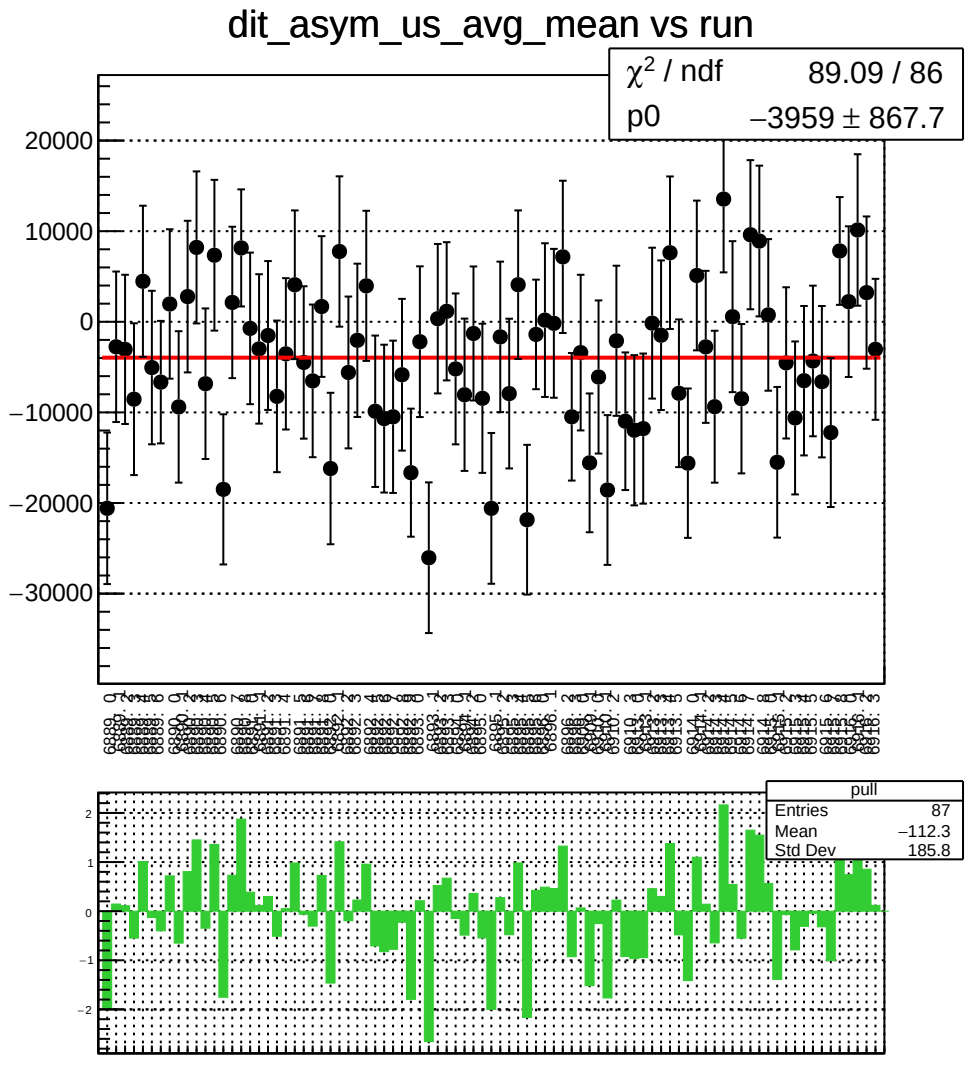
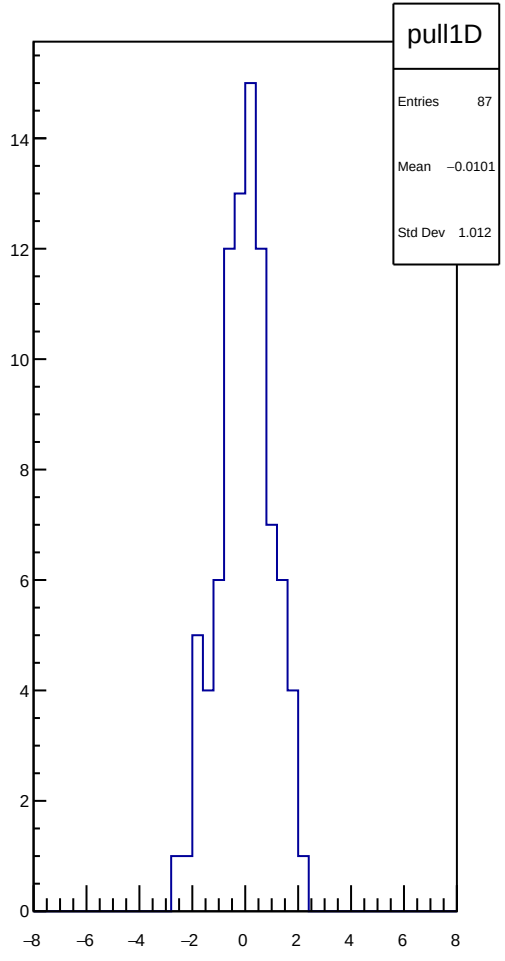
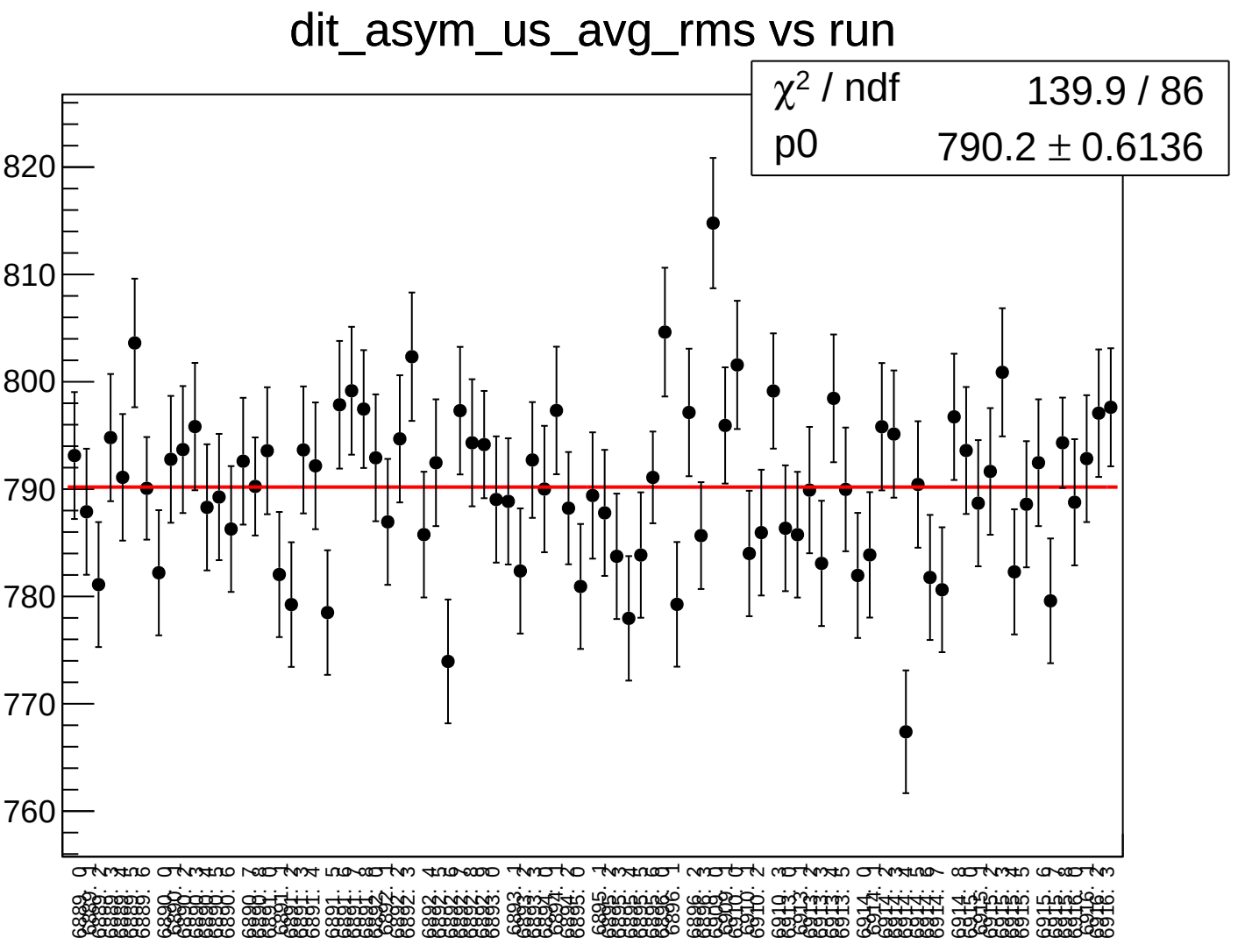
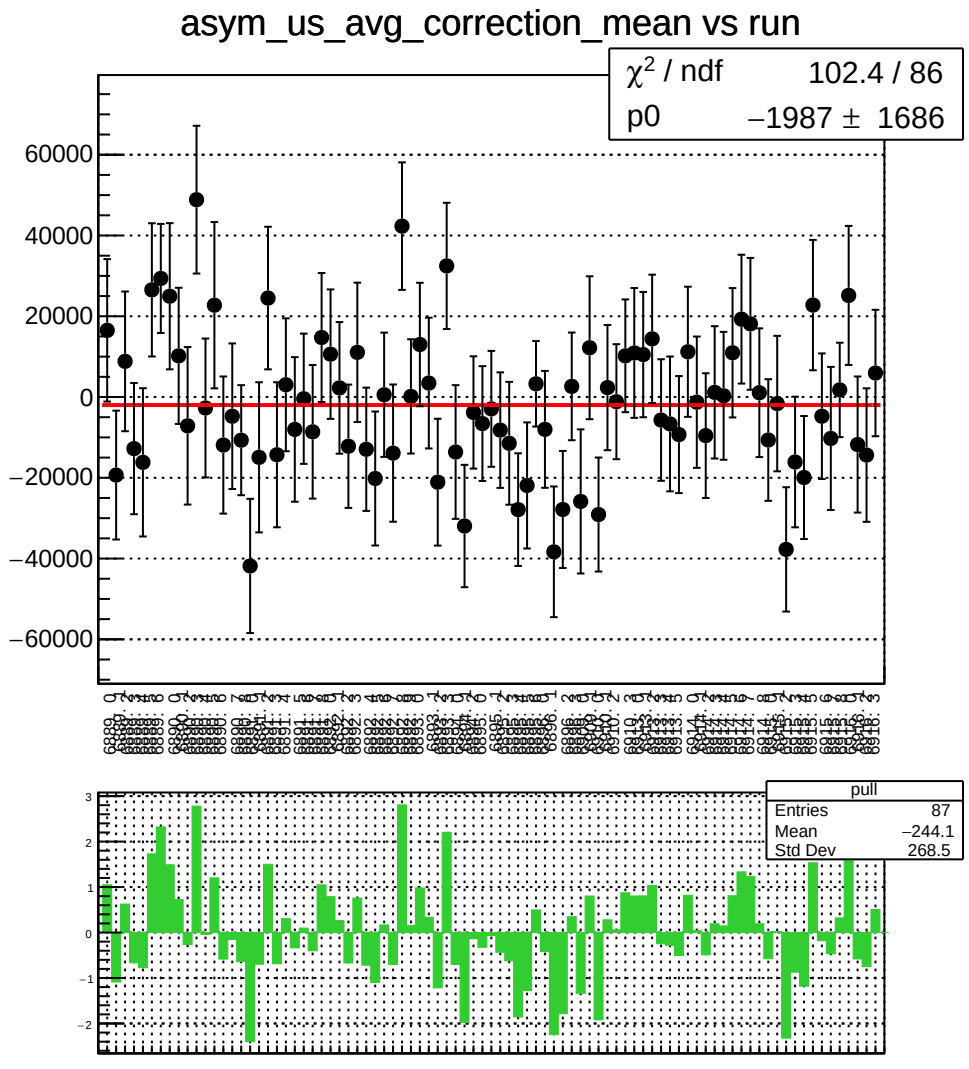
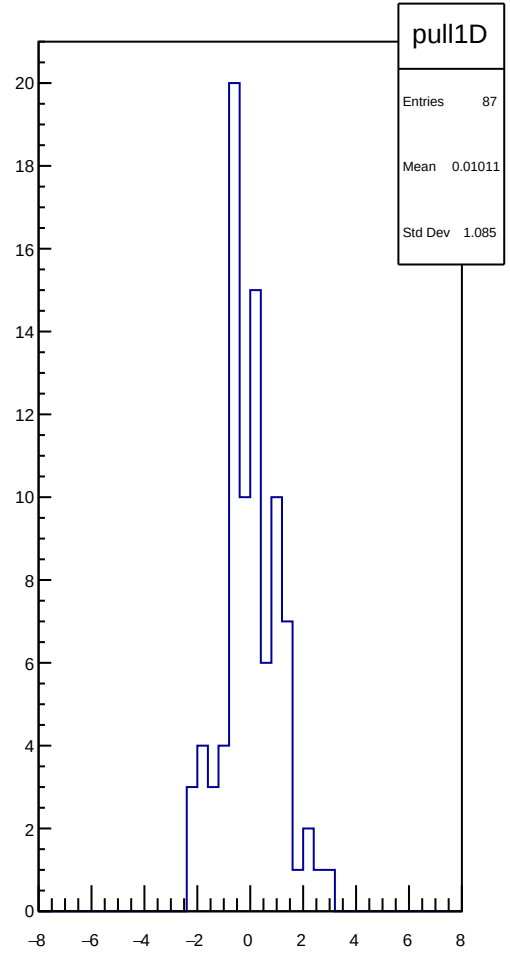
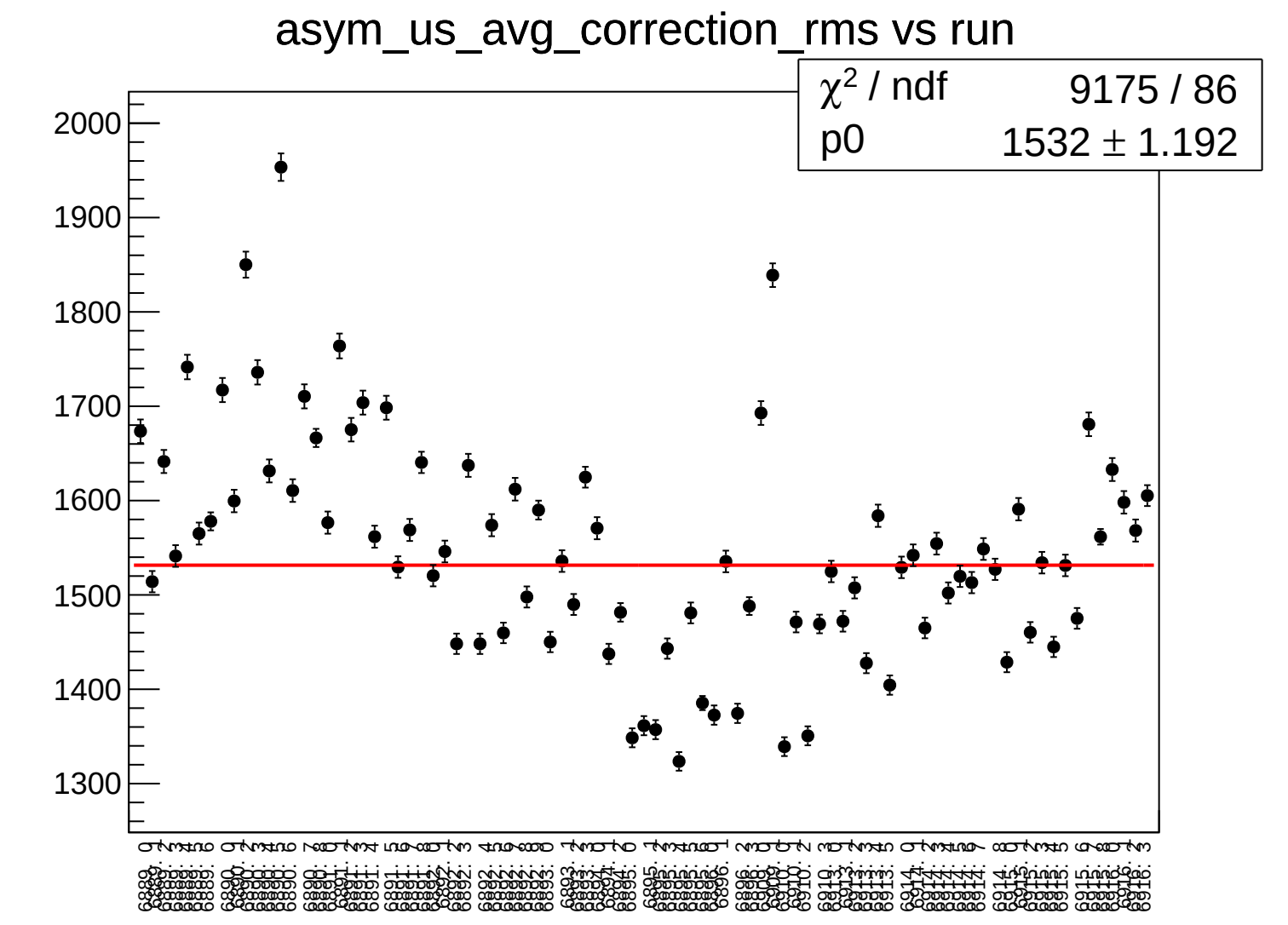

dit_asym_us_avg_mean vs run
χ² / ndf 89.09 / 86
p0 −3959 ± 867.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −112.3
Std Dev 185.8
2
1
0
−1
−2

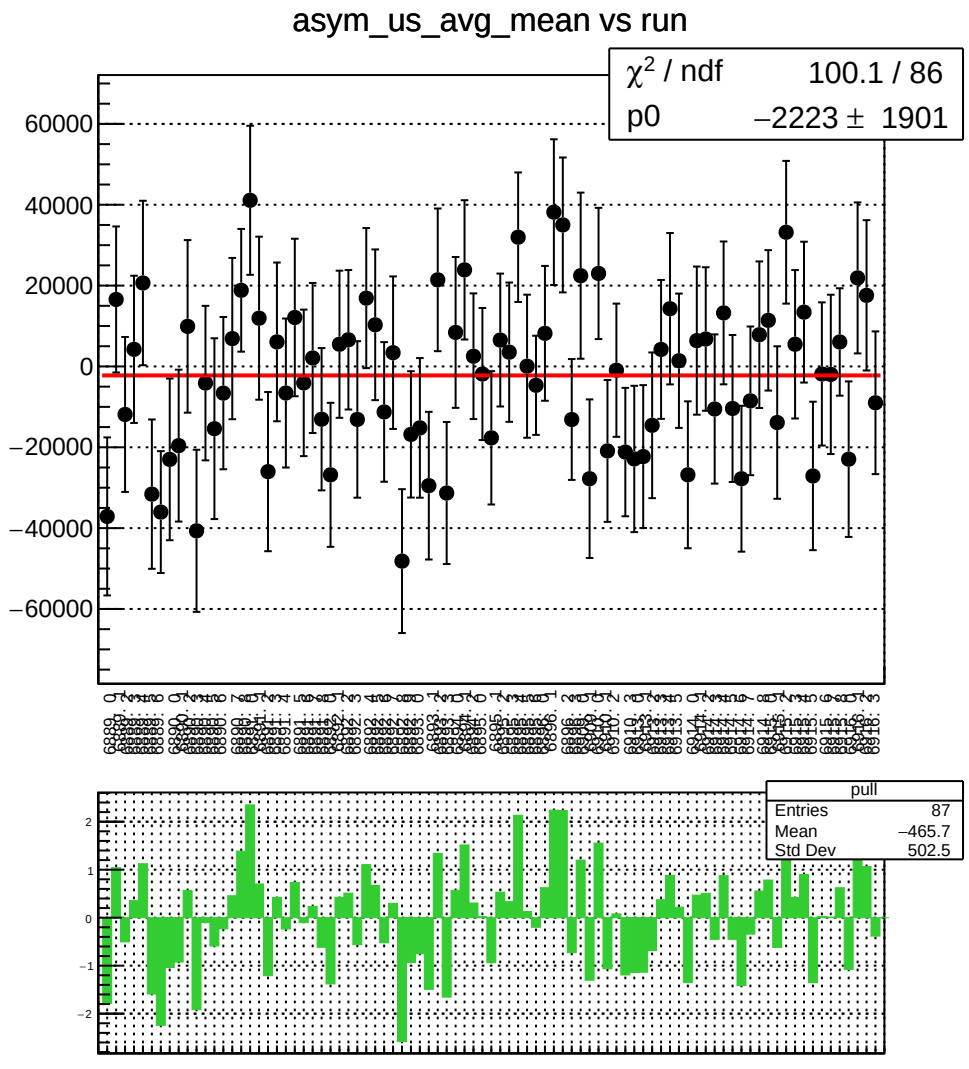

pull1D
Entries 87
Mean −0.0101
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

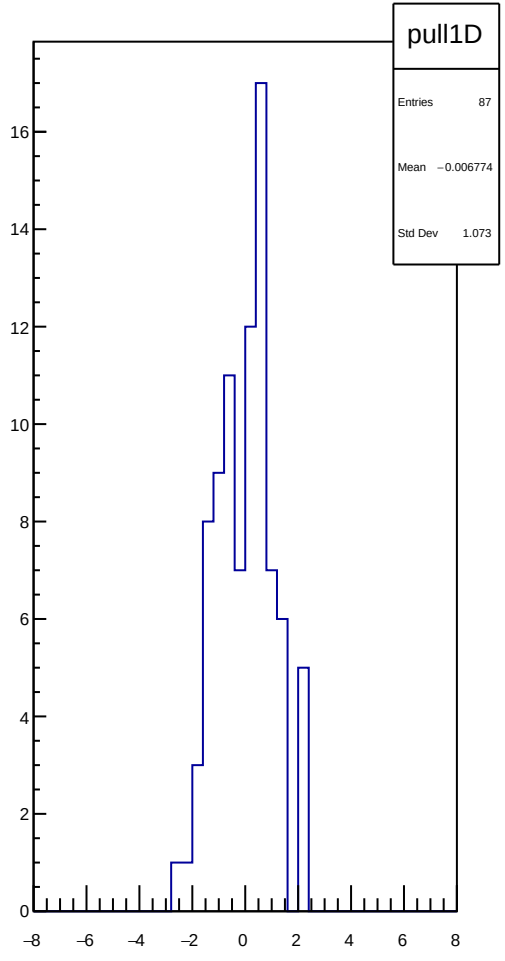

dit_asym_us_avg_rms vs run
χ² / ndf 139.9 / 86
p0 790.2 ± 0.6136
820
810
800
790
780
770
760

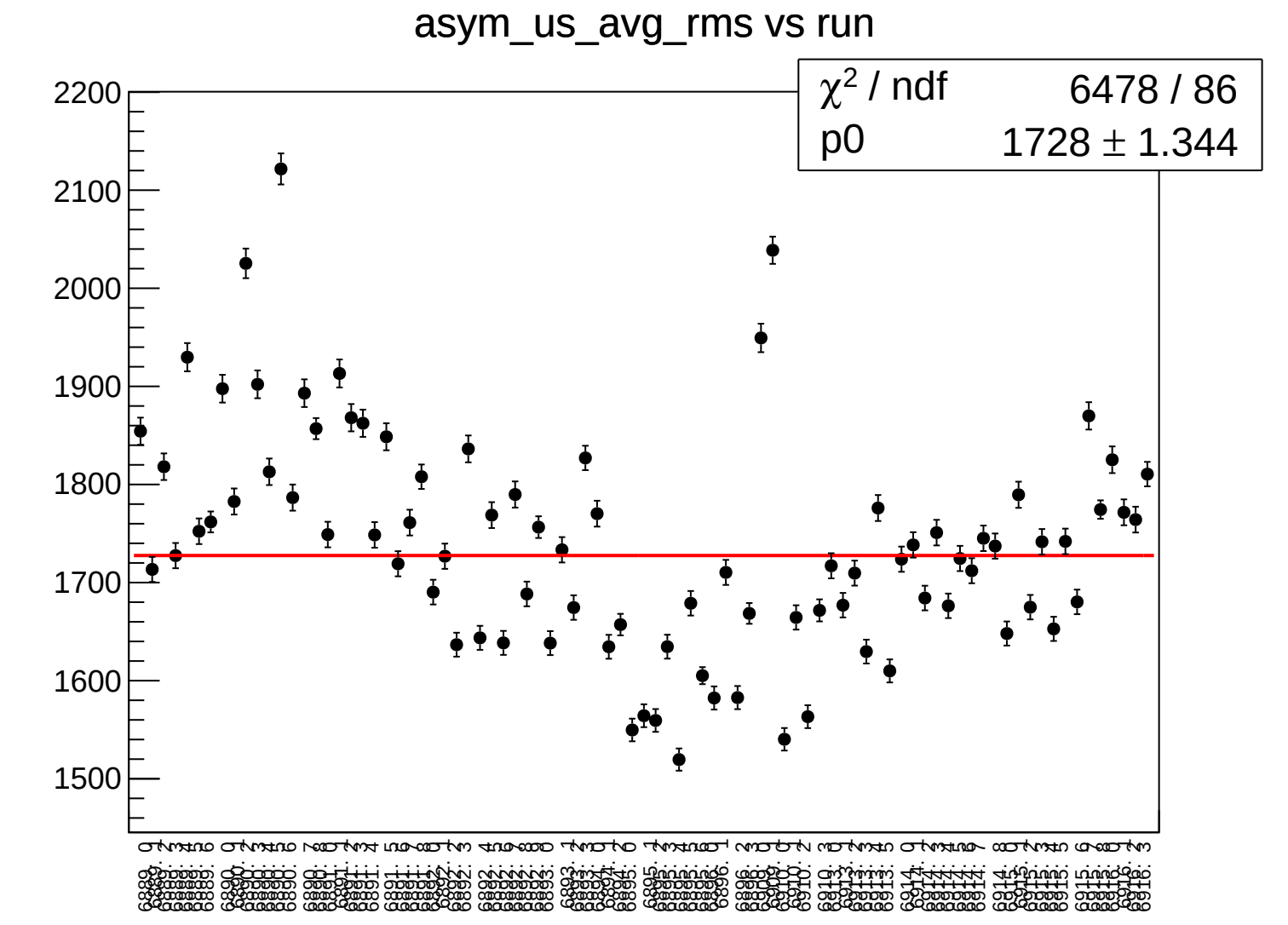

asym_us_avg_correction_mean vs run
χ² / ndf 102.4 / 86
p0 −1987 ± 1686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −244.1
Std Dev 268.5
3
2
1
0
−1
−2

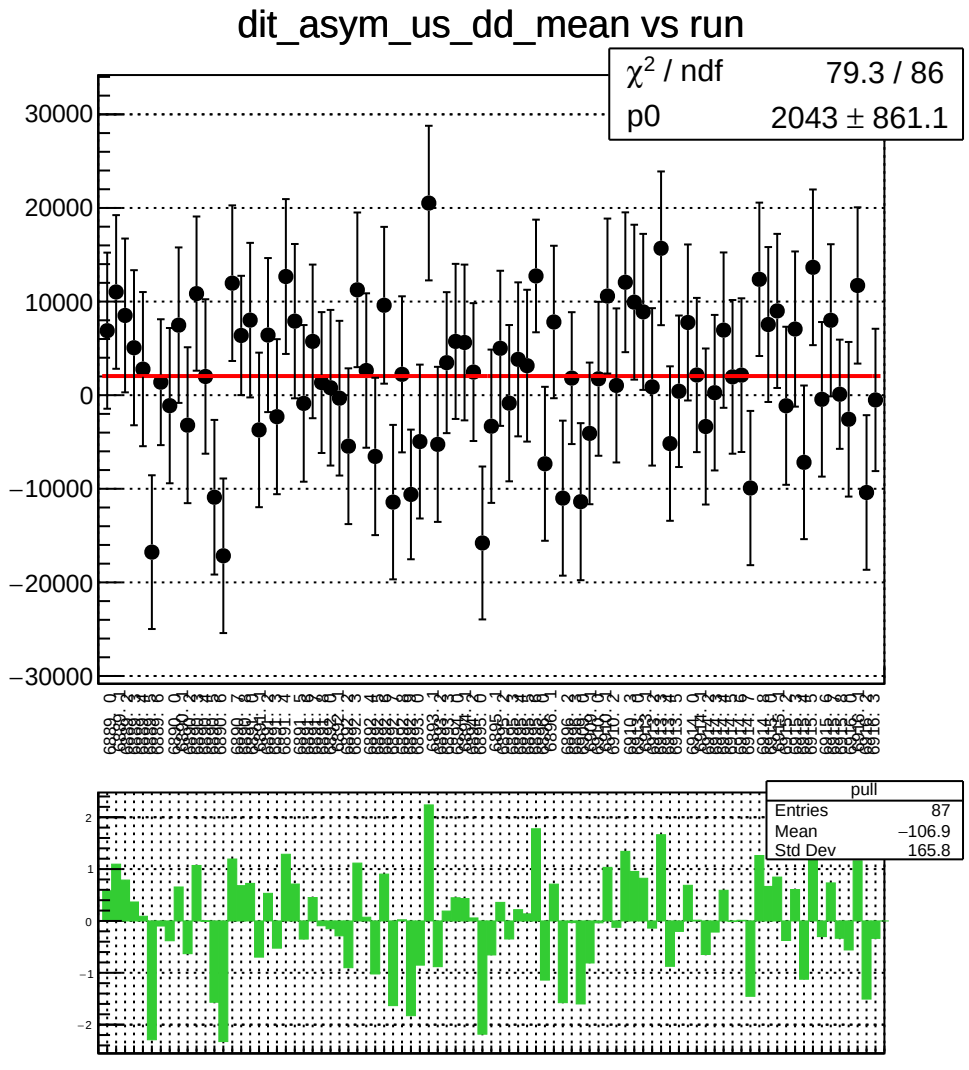

pull1D
Entries 87
Mean 0.01011
Std Dev 1.085
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

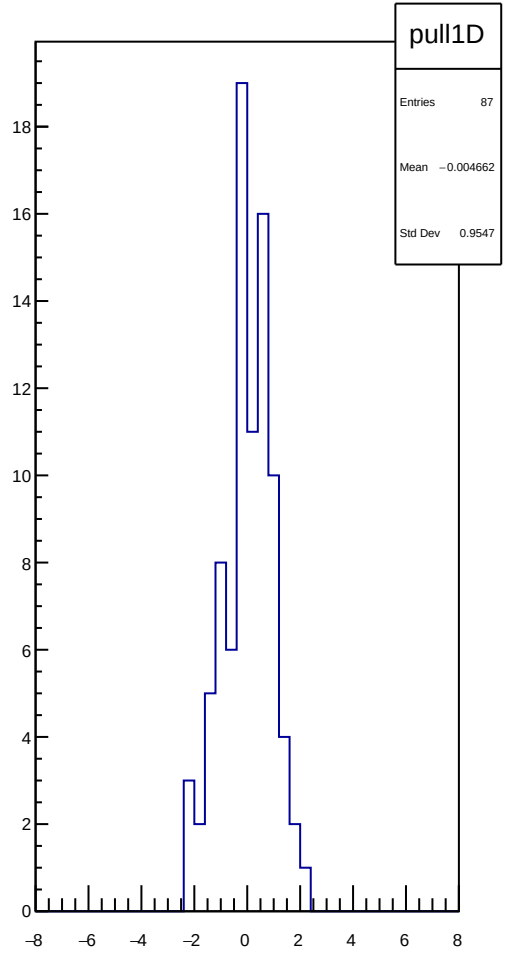

asym_us_avg_correction_rms vs run
χ^2 / ndf 9175 / 86
p0 1532 ± 1.192
2000
1900
1800
1700
1600
1500
1400
1300

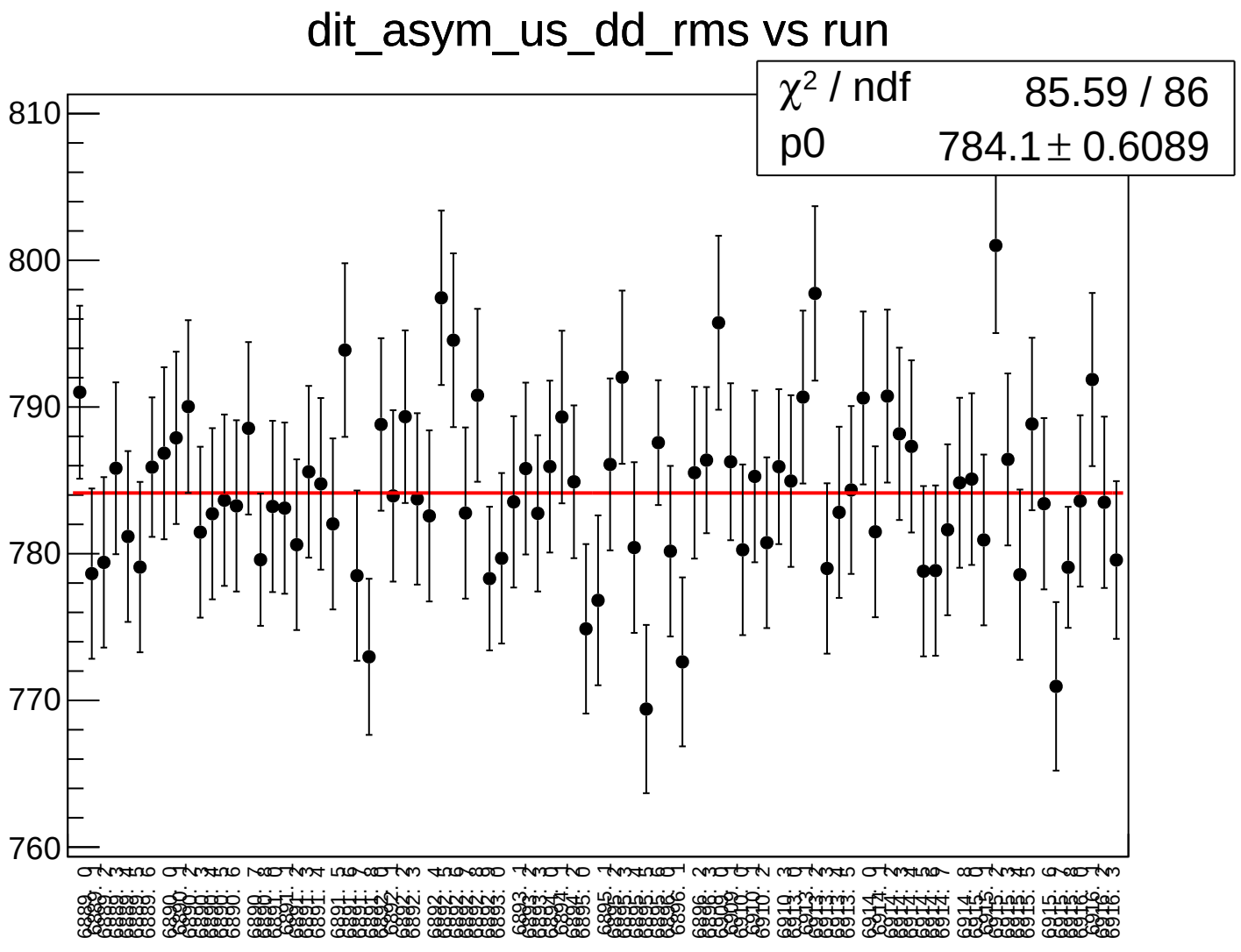

asym_us_avg_mean vs run
χ² / ndf 100.1 / 86
p0 −2223 ± 1901
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −465.7
Std Dev 502.5
2
1
0
−1
−2

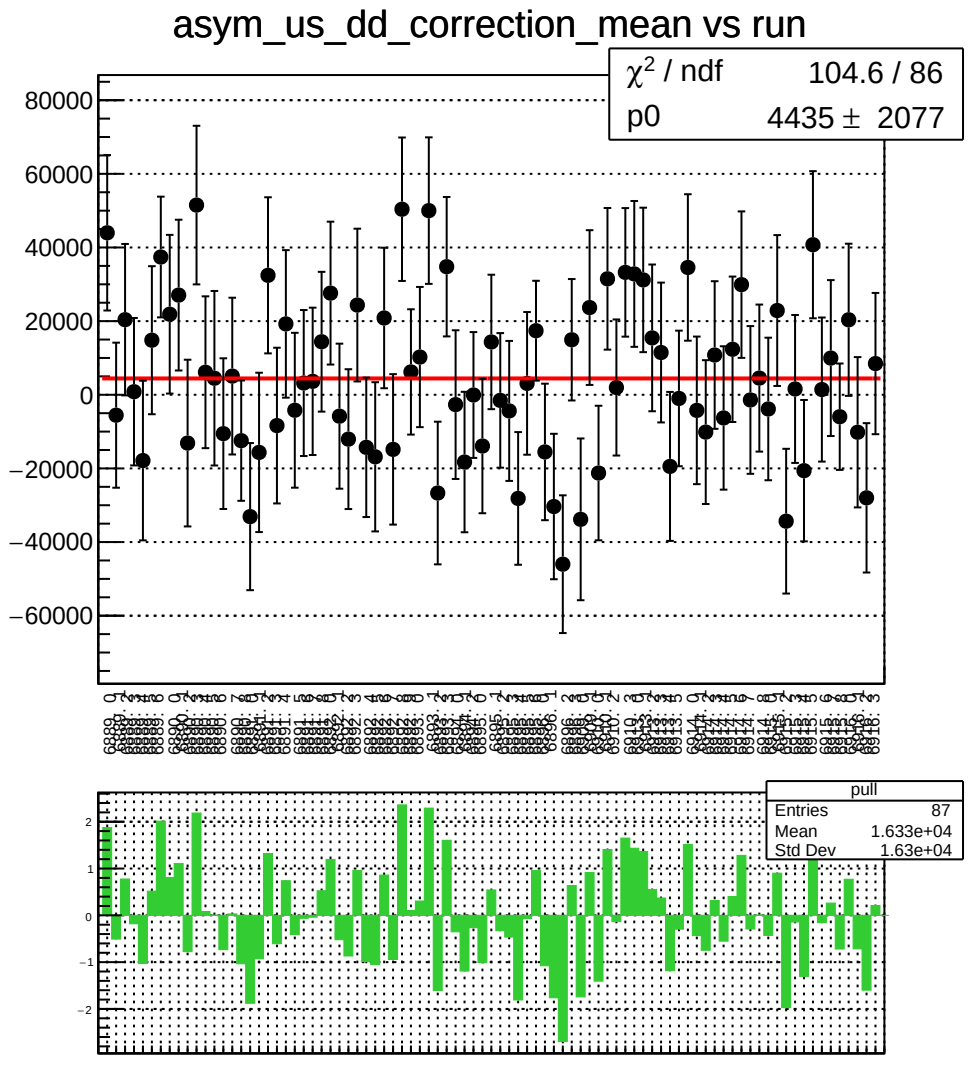

pull1D
Entries 87
Mean −0.006774
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

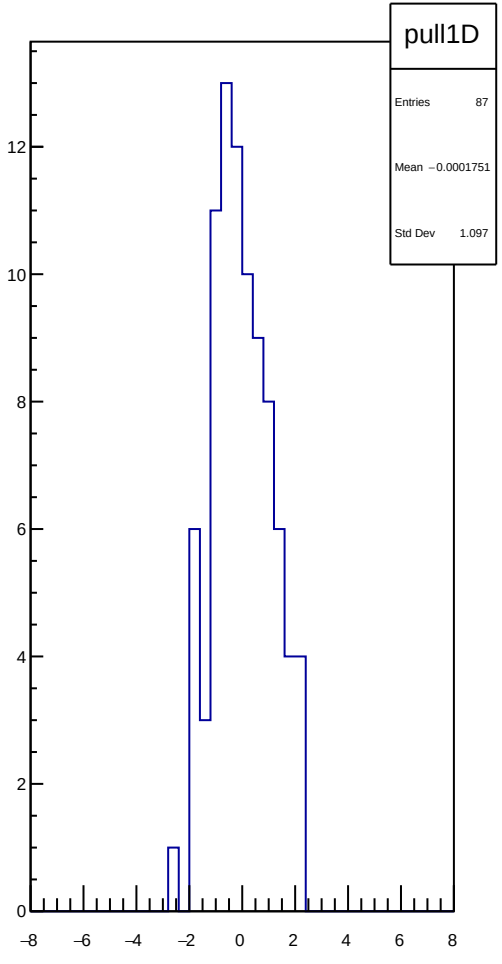

asym_us_avg_rms vs run
χ^2 / ndf 6478 / 86
p0 1728 ± 1.344
2200
2100
2000
1900
1800
1700
1600
1500

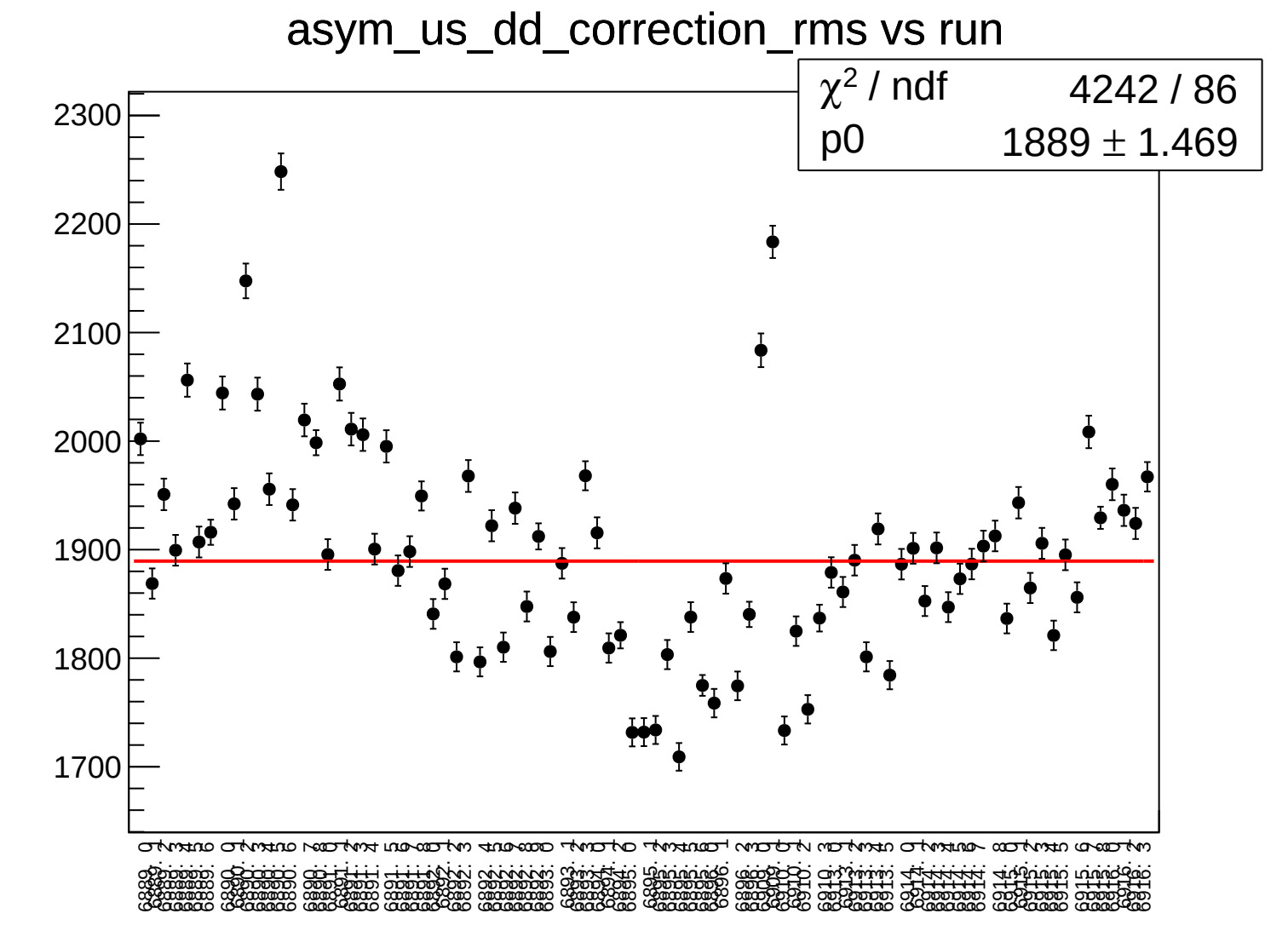

dit_asym_us_dd_mean vs run
χ² / ndf 79.3 / 86
p0 2043 ± 861.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −106.9
Std Dev 165.8
2
1
0
−1
−2

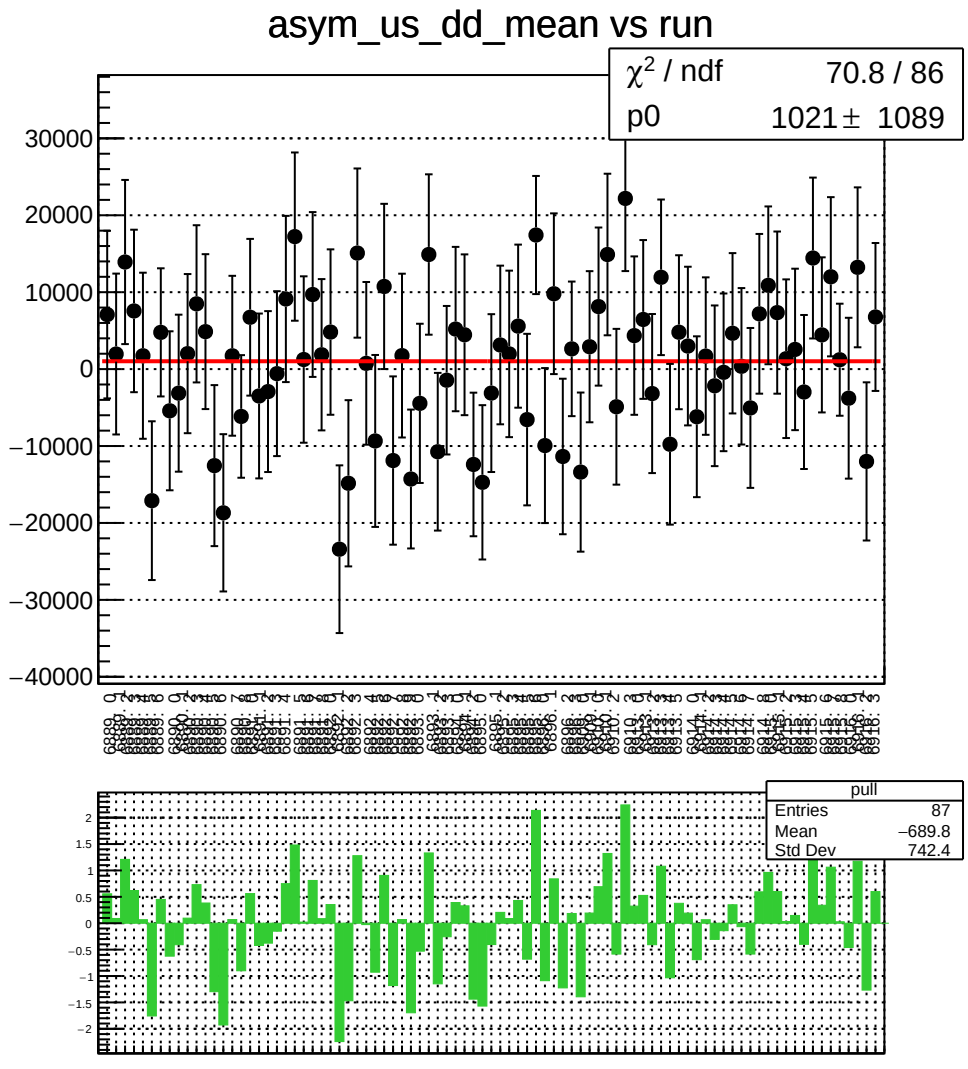

pull1D
Entries 87
Mean −0.004662
Std Dev 0.9547
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

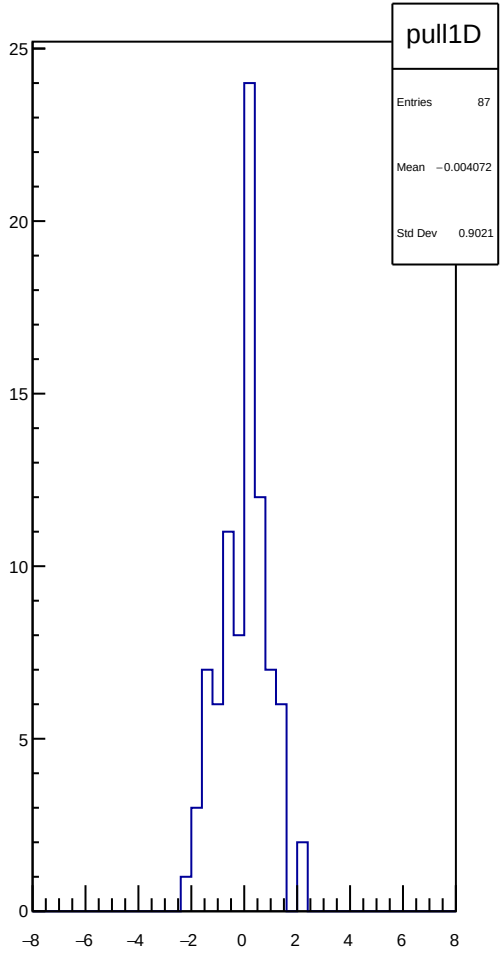

dit_asym_us_dd_rms vs run
χ² / ndf 85.59 / 86
p0 784.1 ± 0.6089
810
800
790
780
770
760

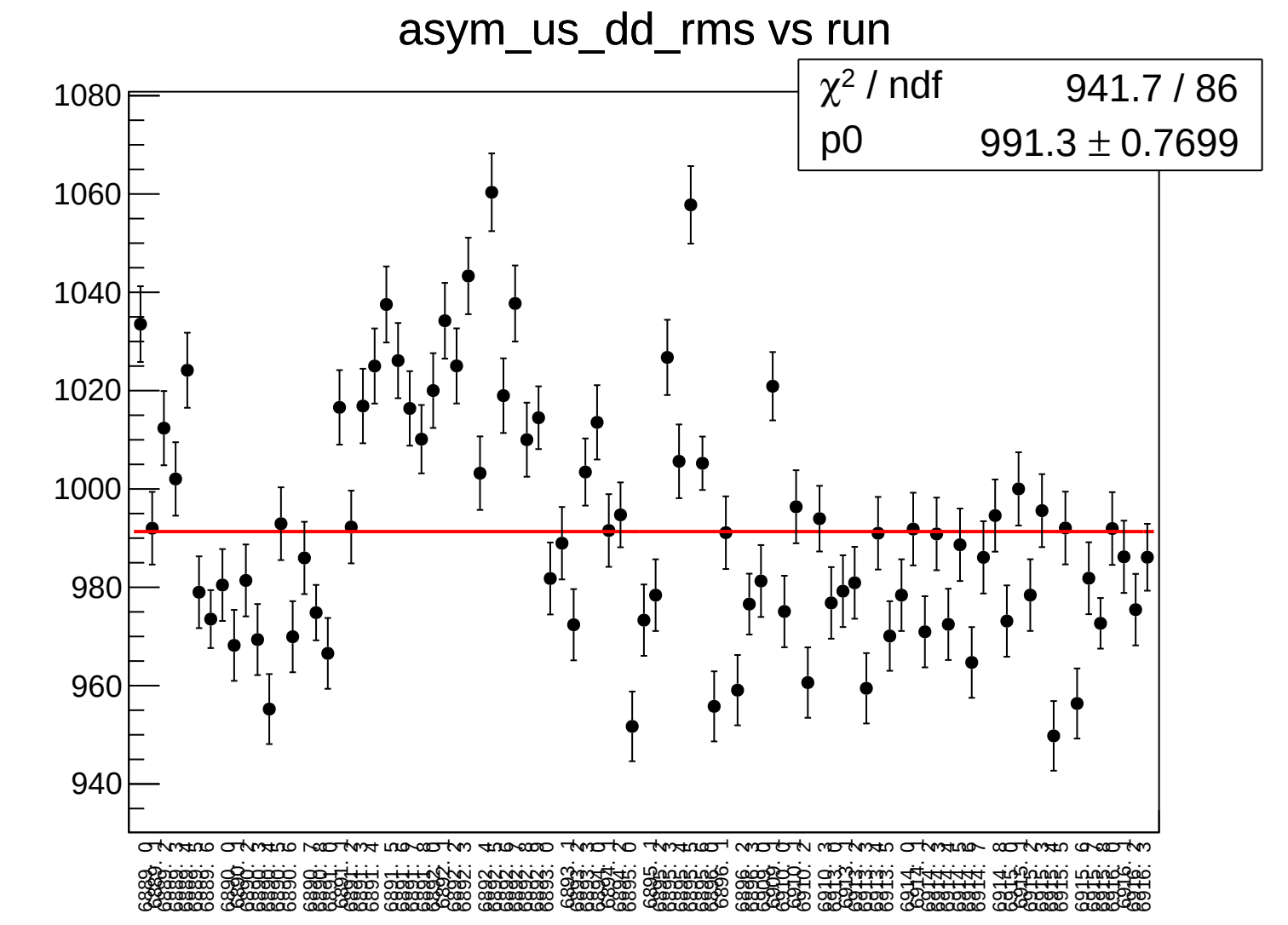

asym_us_dd_correction_mean vs run
χ² / ndf 104.6 / 86
p0 4435 ± 2077
pull
Entries 87
Mean 1.633e+04
Std Dev 1.63e+04

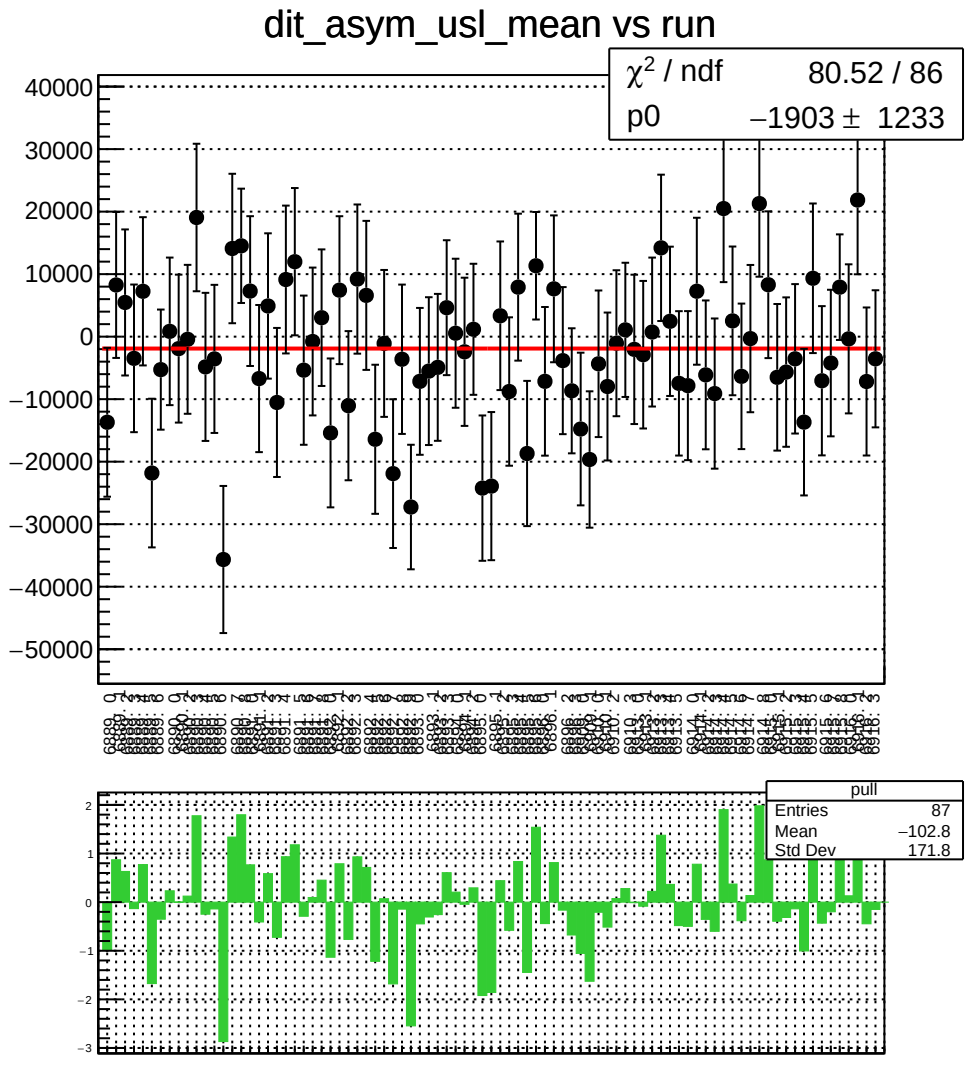

pull1D
Entries 87
Mean −0.0001751
Std Dev 1.097

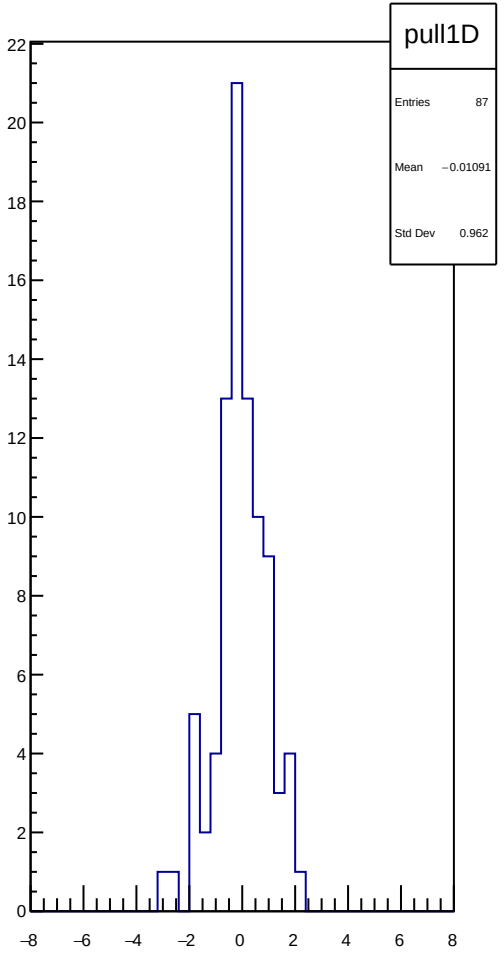

asym_us_dd_correction_rms vs run
χ² / ndf 4242 / 86
p0 1889 ± 1.469
2300
2200
2100
2000
1900
1800
1700

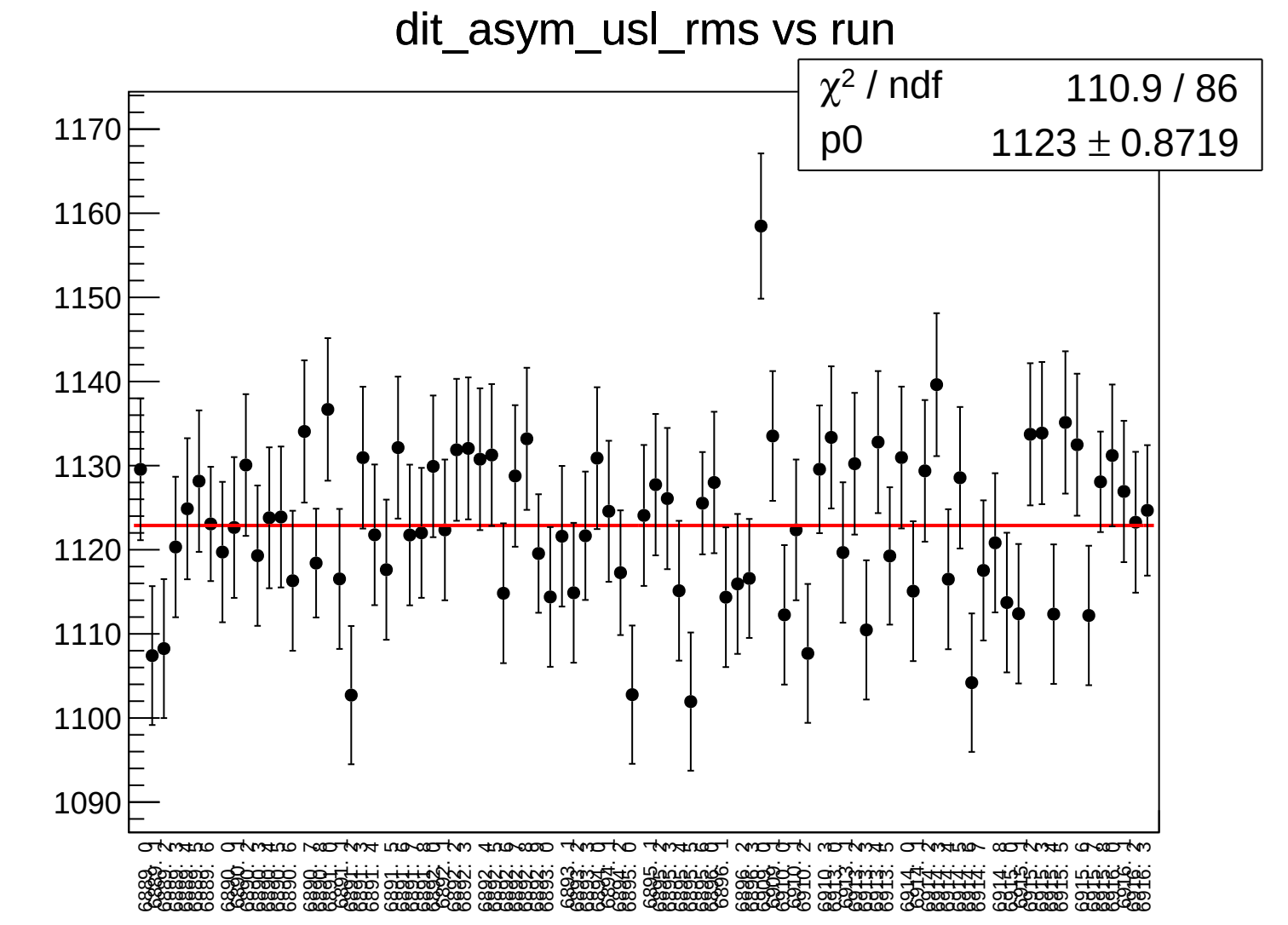

asym_us_dd_mean vs run
χ² / ndf 70.8 / 86
p0 1021 ± 1089
pull
Entries 87
Mean −689.8
Std Dev 742.4

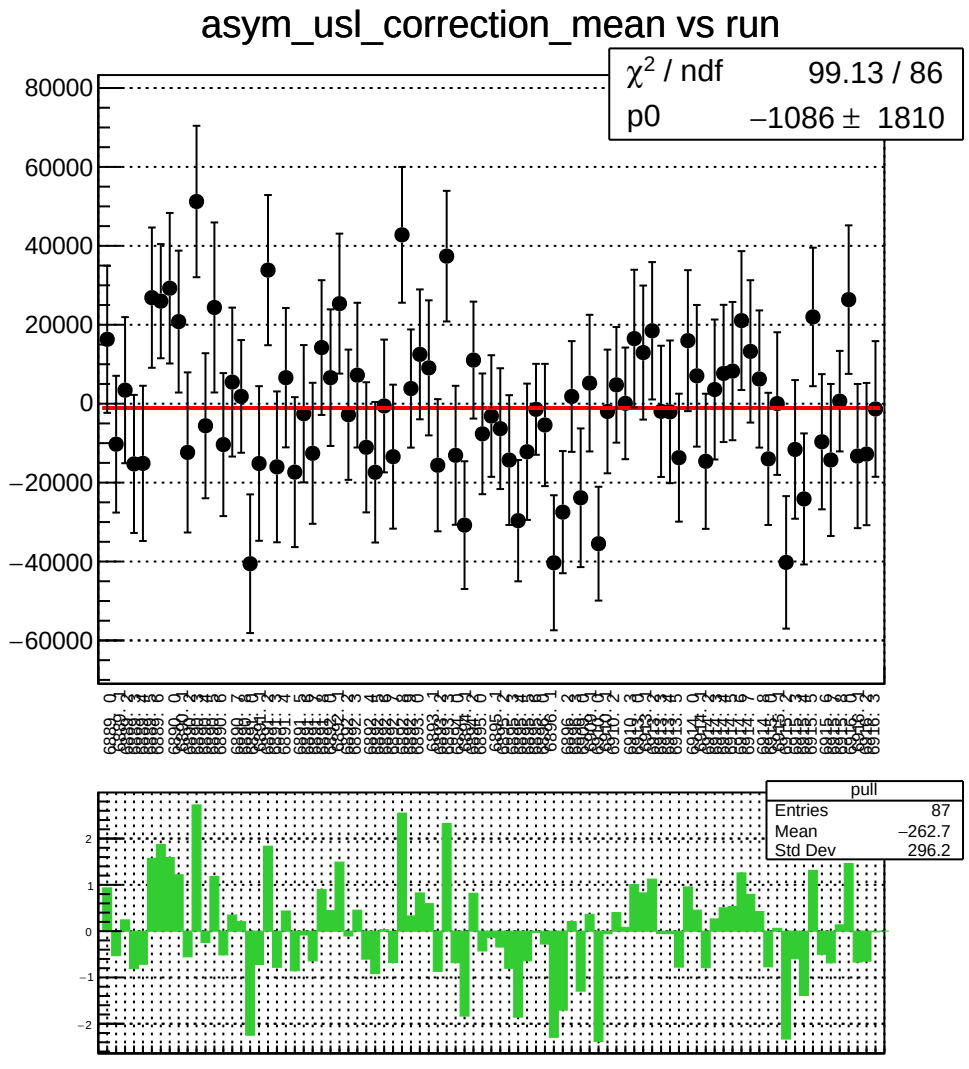

pull1D
Entries 87
Mean −0.004072
Std Dev 0.9021

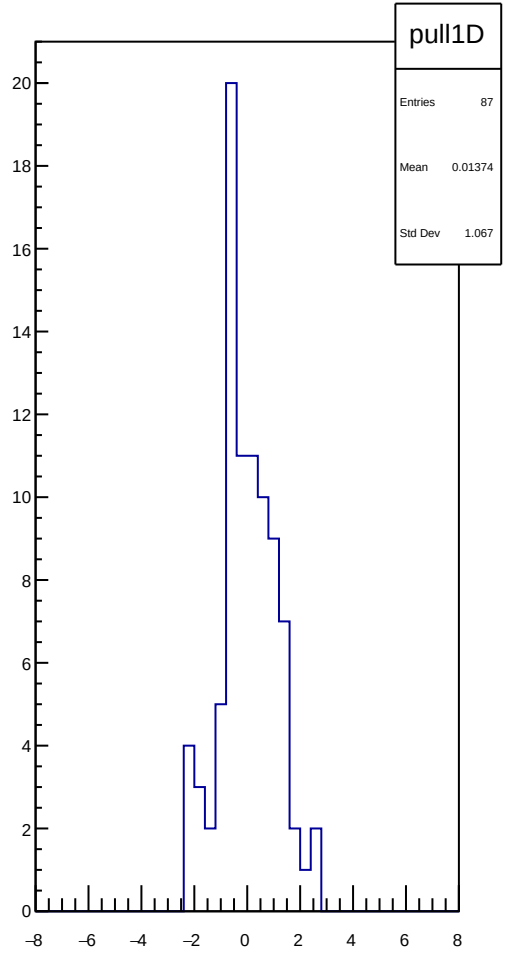

asym_us_dd_rms vs run
χ^2 / ndf 941.7 / 86
p0 991.3 ± 0.7699
1080
1060
1040
1020
1000
980
960
940


dit_asym_usl_mean vs run
χ² / ndf 80.52 / 86
p0 −1903 ± 1233
pull
Entries 87
Mean −102.8
Std Dev 171.8

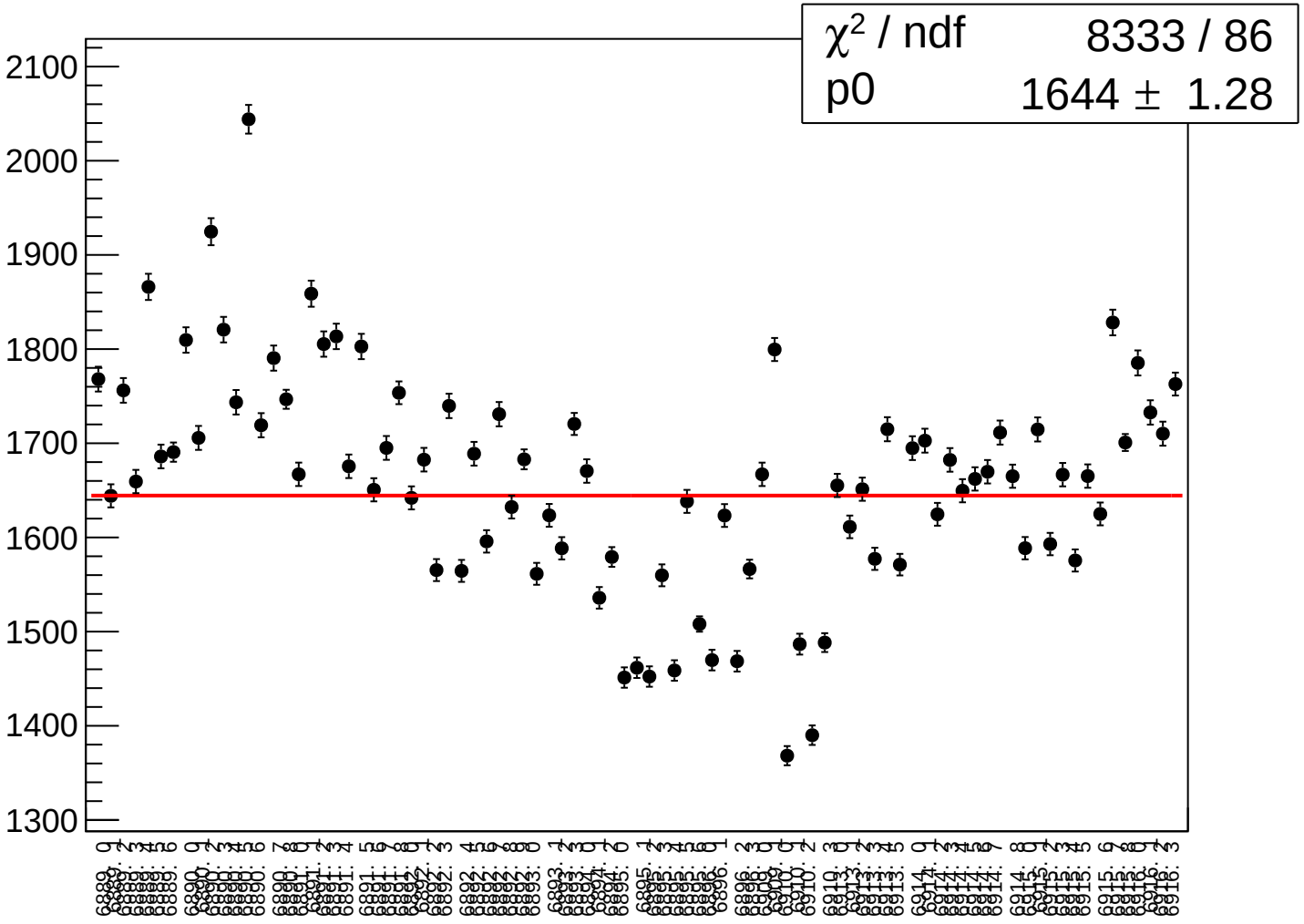

pull1D
Entries 87
Mean −0.01091
Std Dev 0.962

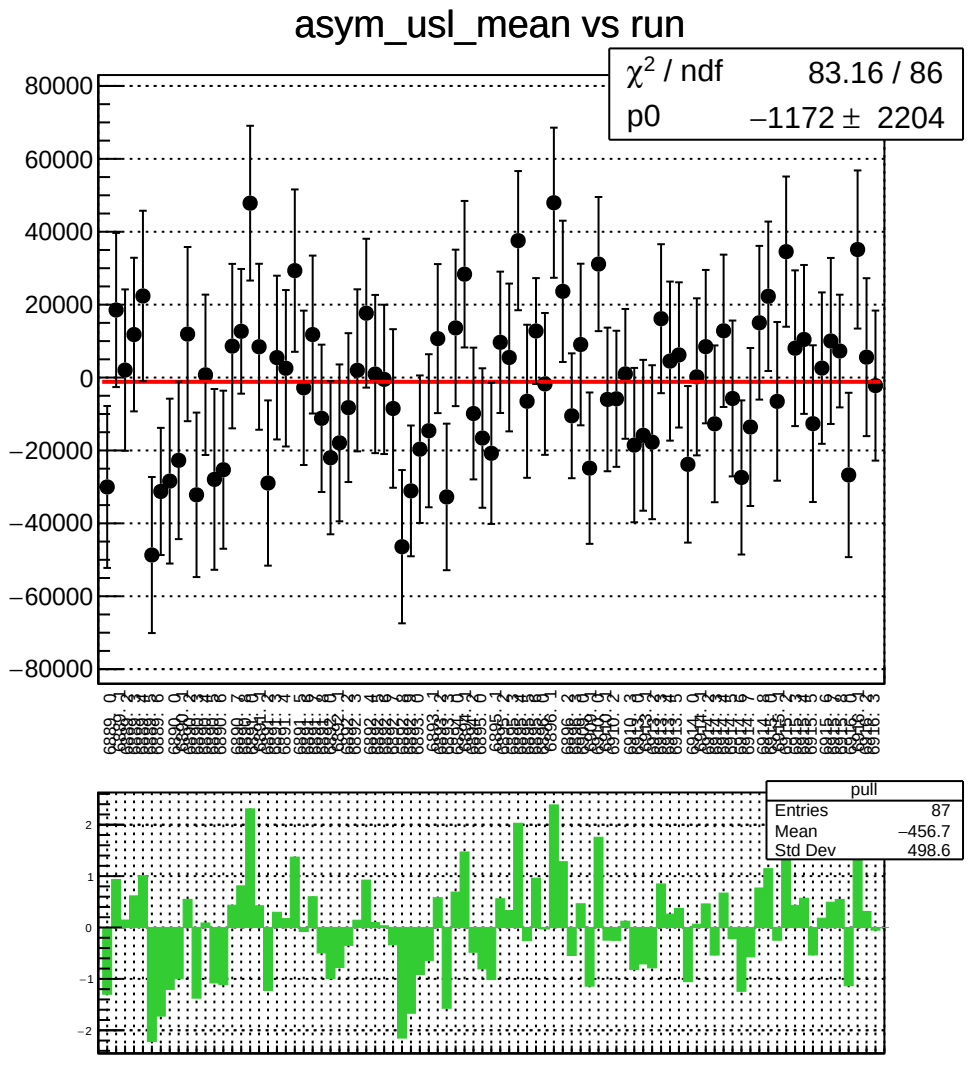

dit_asym_usl_rms vs run
χ^2 / ndf 110.9 / 86
p0 1123 ± 0.8719
1170
1160
1150
1140
1130
1120
1110
1100
1090

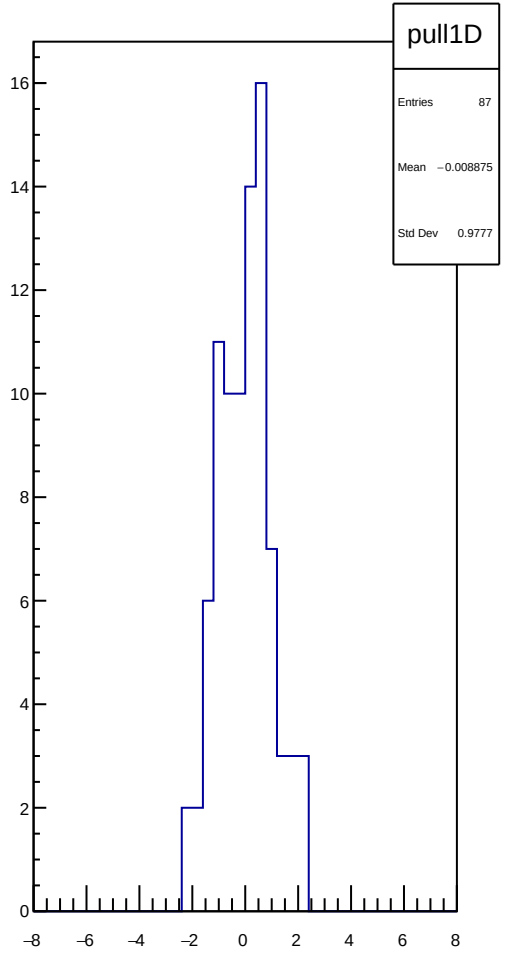

asym_usl_correction_mean vs run
χ² / ndf 99.13 / 86
p0 −1086 ± 1810
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −262.7
Std Dev 296.2
2
1
0
−1
−2

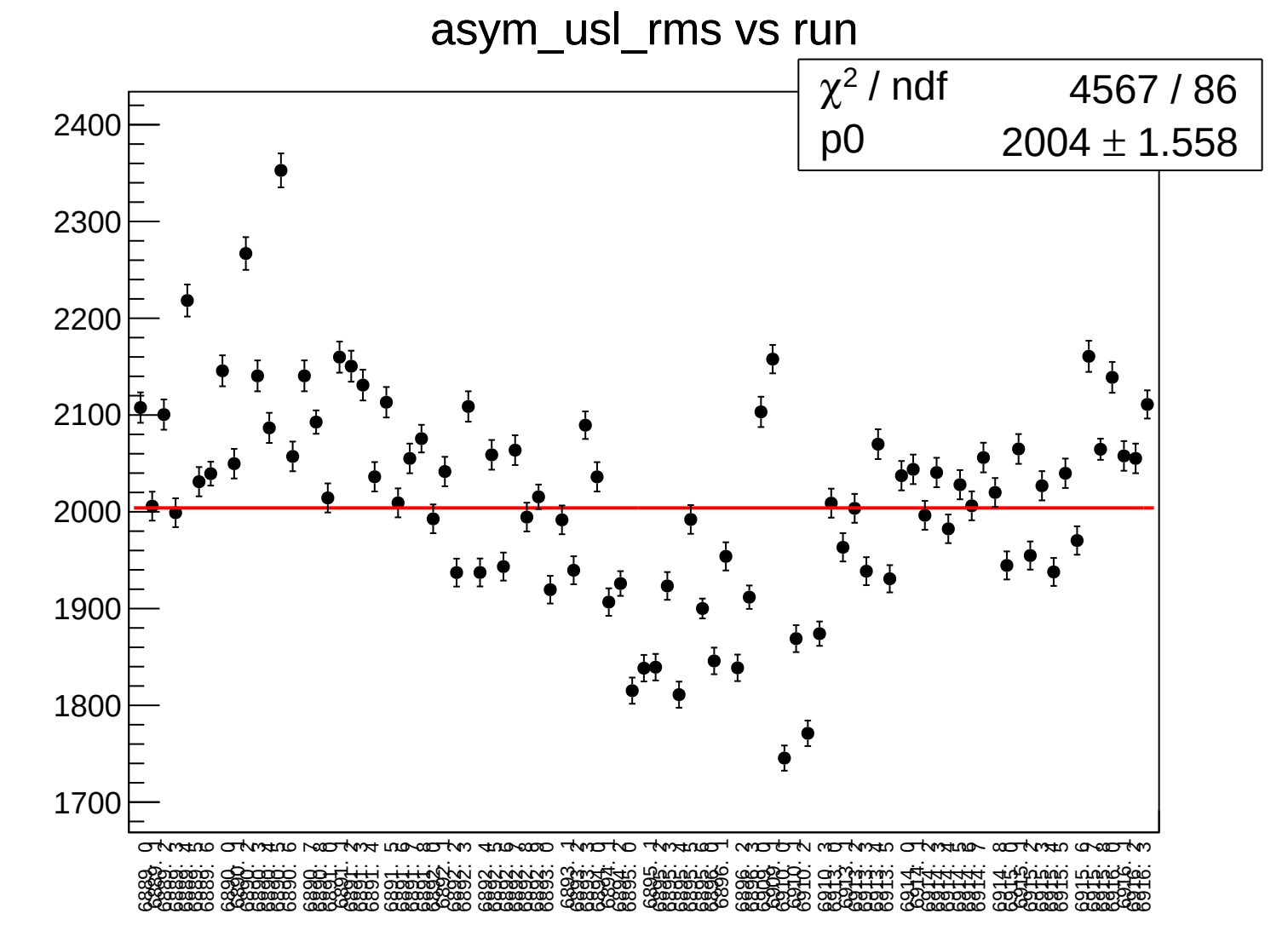

pull1D
Entries 87
Mean 0.01374
Std Dev 1.067
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

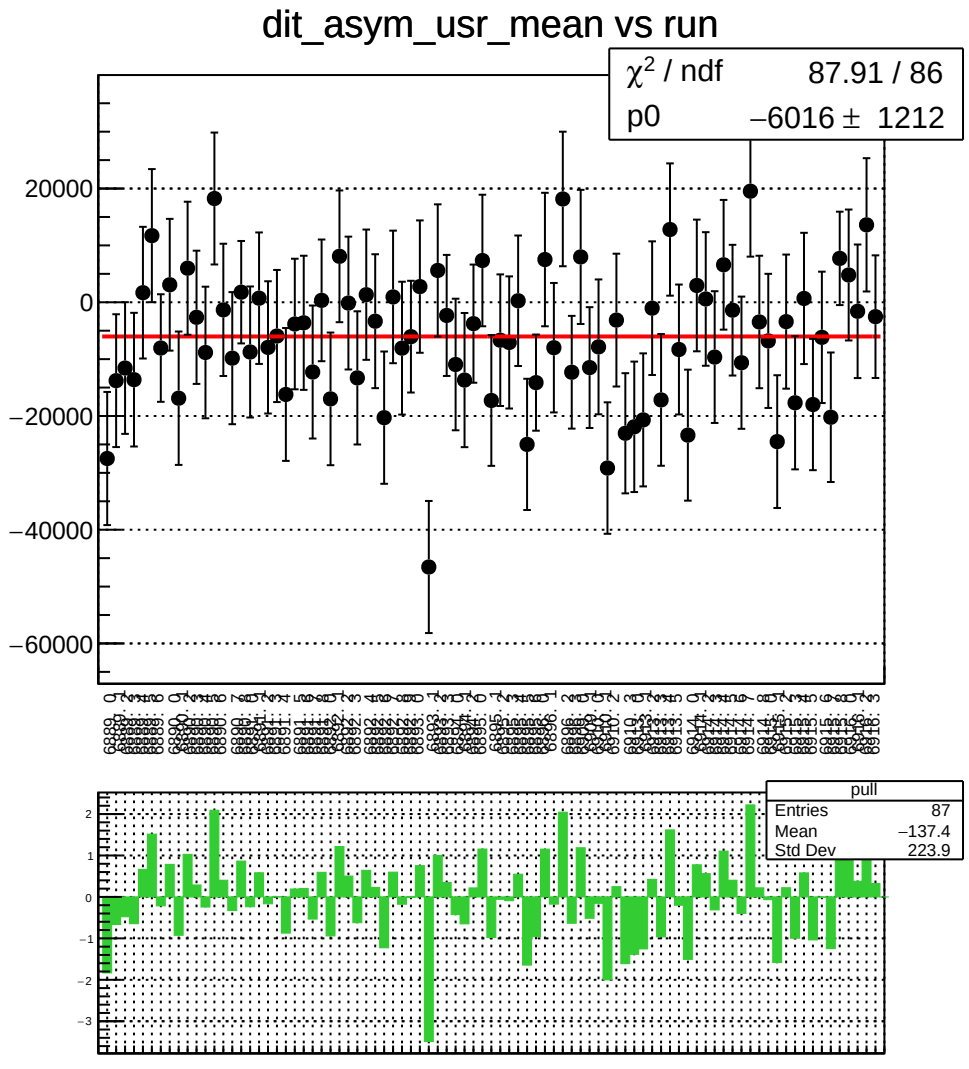
asym_usl_correction_rms vs run

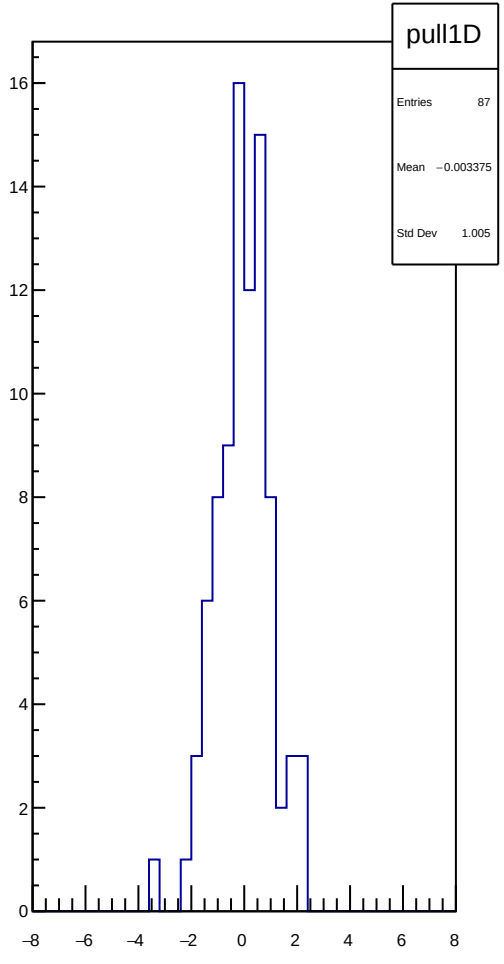


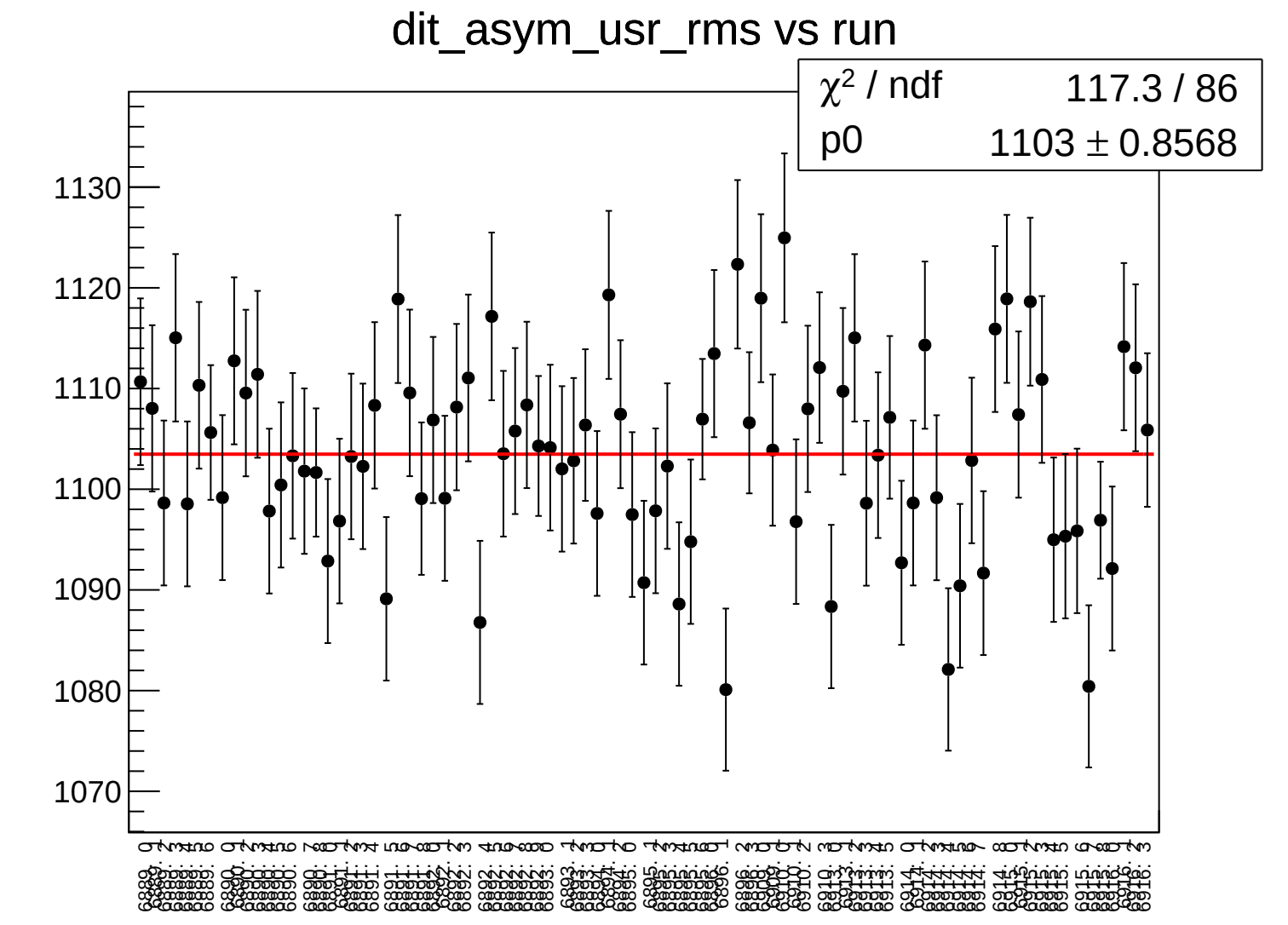

asym_usl_mean vs run
χ² / ndf 83.16 / 86
p0 −1172 ± 2204
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean −456.7
Std Dev 498.6
2
1
0
−1
−2

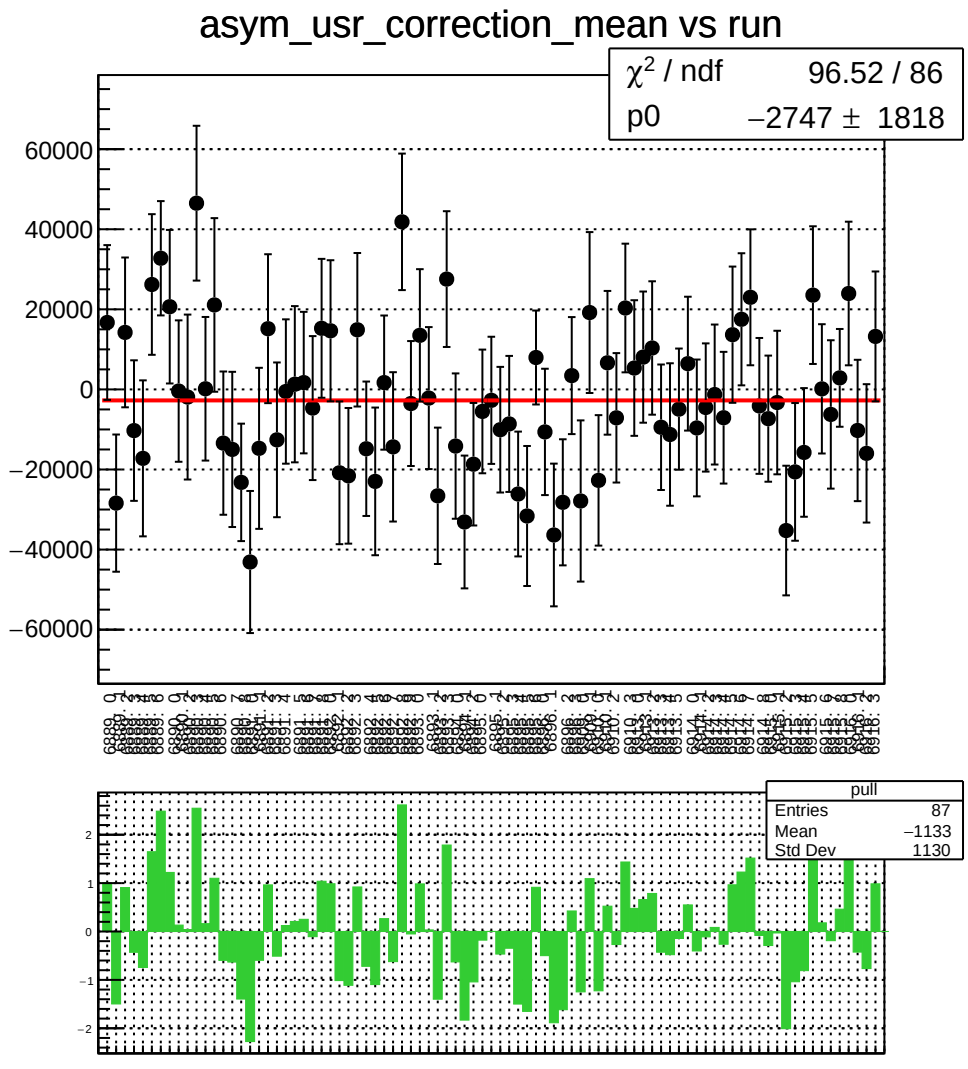

pull1D
Entries 87
Mean −0.008875
Std Dev 0.9777
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

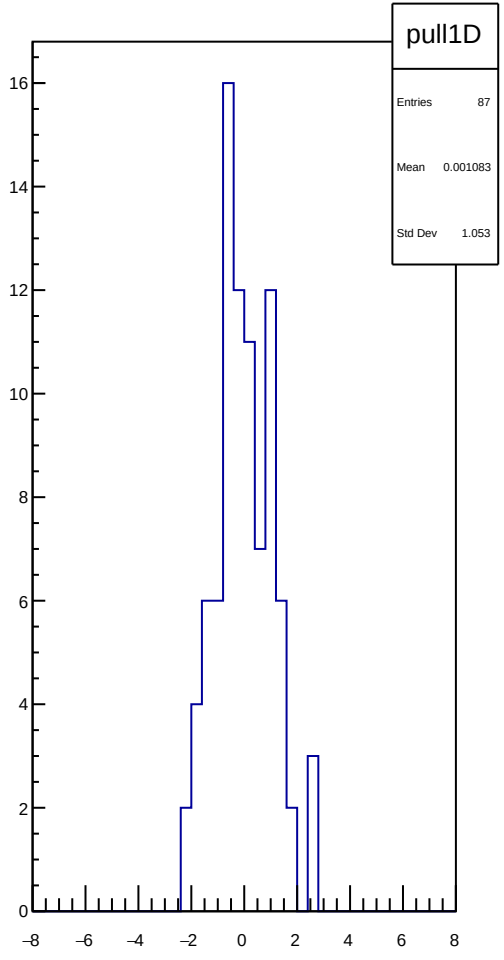

asym_usl_rms vs run
χ^2 / ndf 4567 / 86
p0 2004 ± 1.558
2400
2300
2200
2100
2000
1900
1800
1700

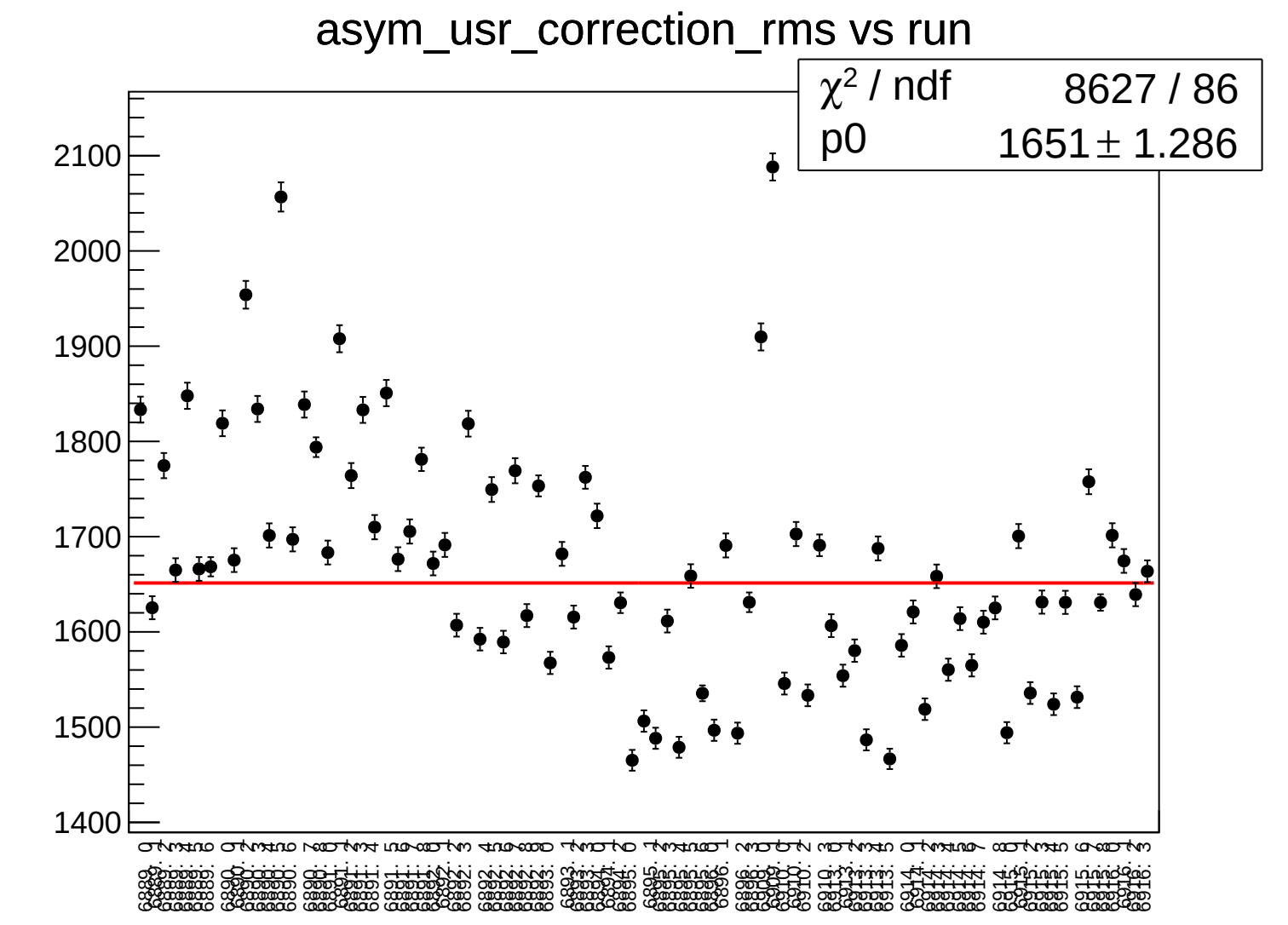

dit_asym_usr_mean vs run
χ² / ndf 87.91 / 86
p0 −6016 ± 1212
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −137.4
Std Dev 223.9
2
1
0
−1
−2
−3

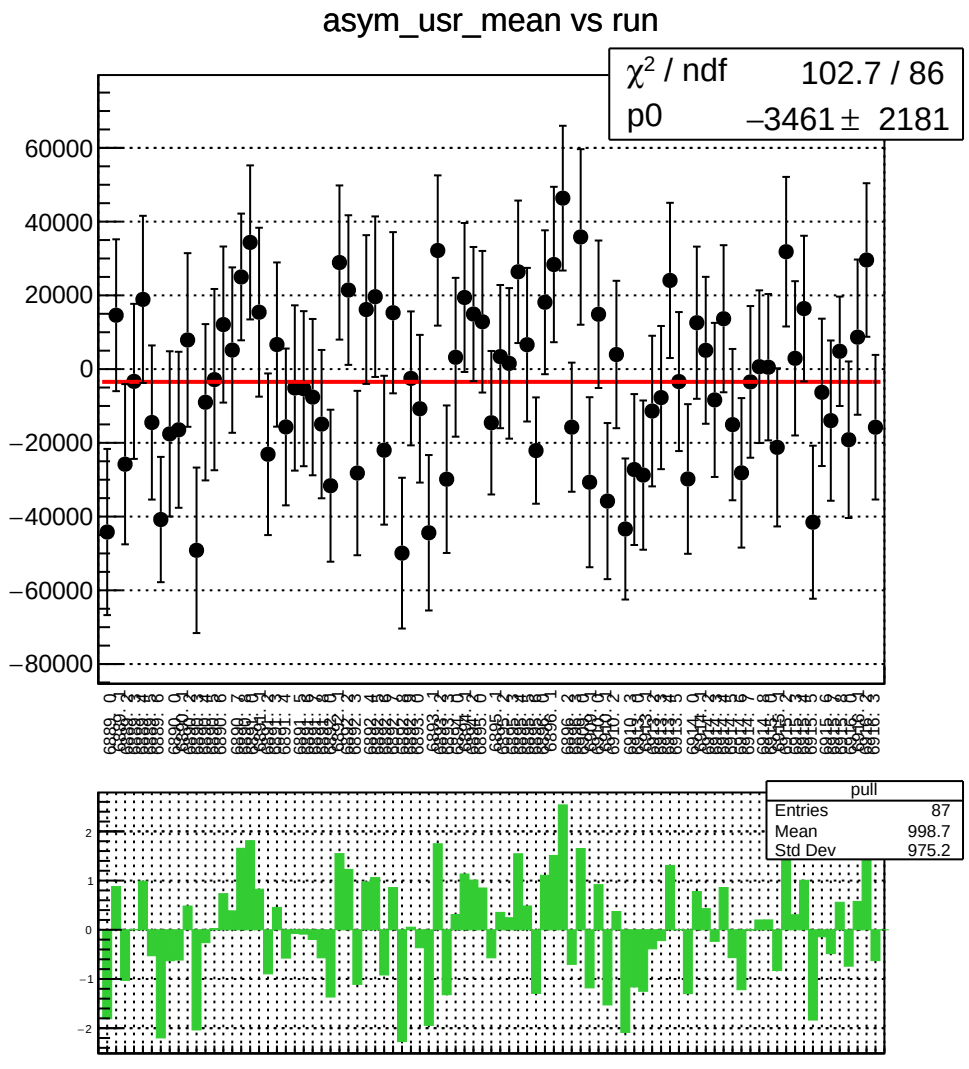

pull1D
Entries 87
Mean −0.003375
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

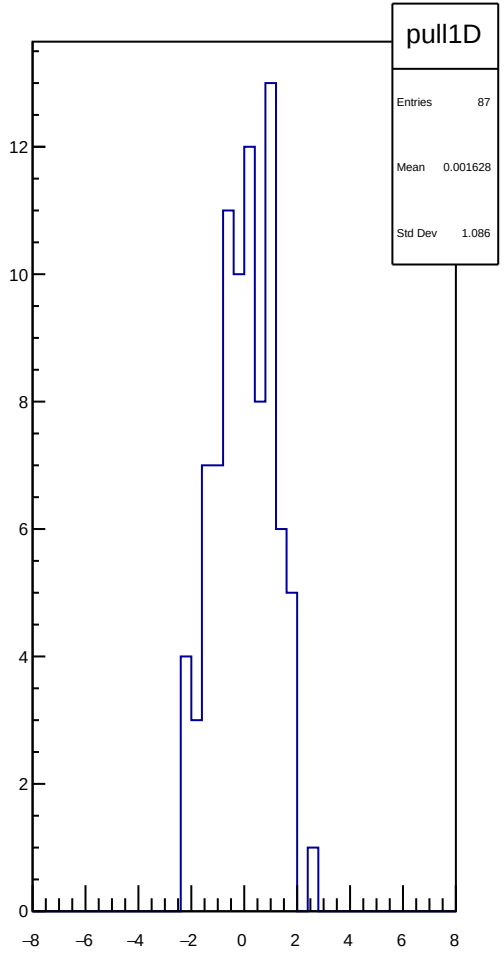

dit_asym_usr_rms vs run
χ^2 / ndf 117.3 / 86
p0 1103 ± 0.8568
1130
1120
1110
1100
1090
1080
1070

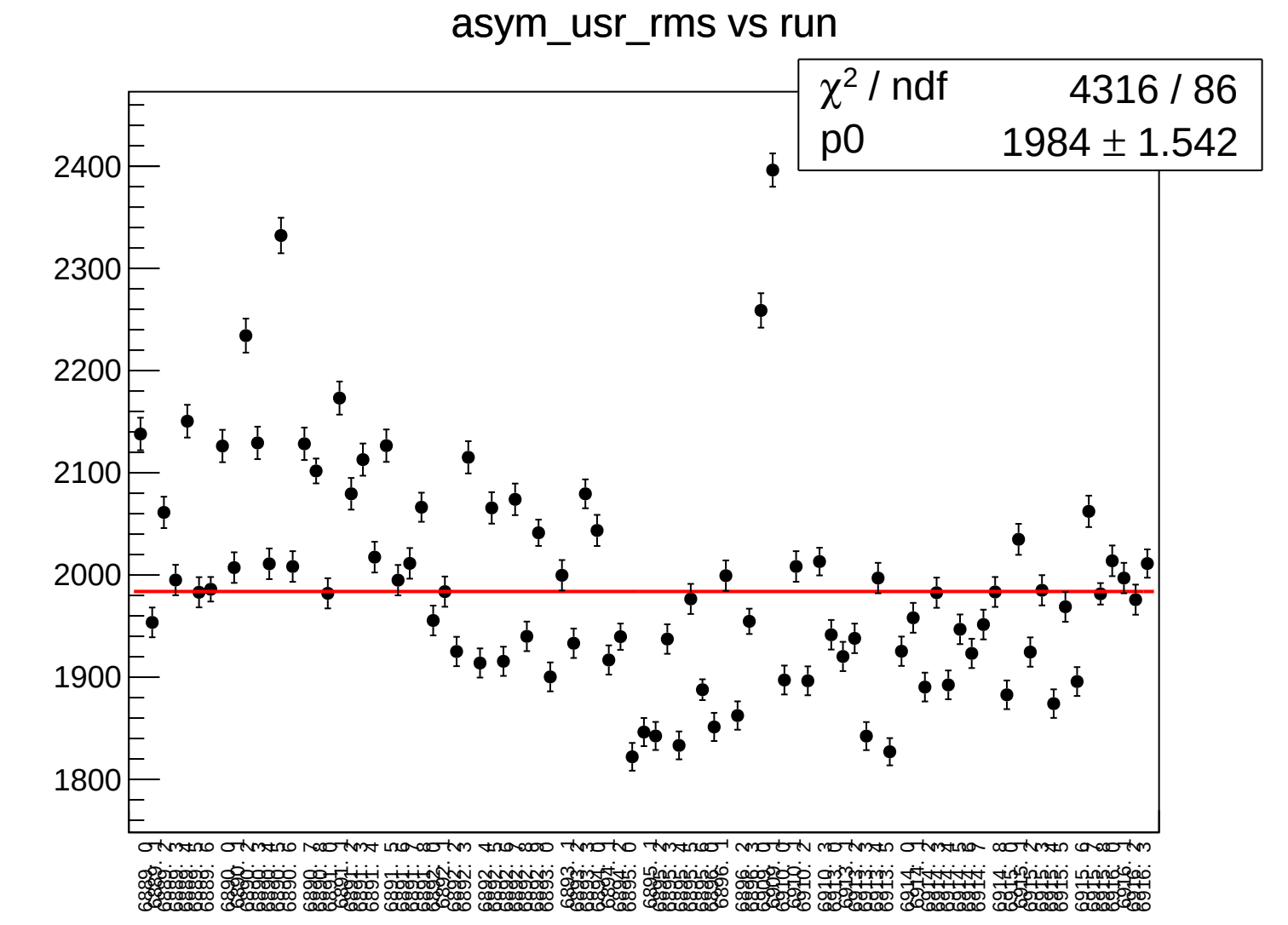

asym_usr_correction_mean vs run
χ² / ndf 96.52 / 86
p0 −2747 ± 1818
pull
Entries 87
Mean −1133
Std Dev 1130

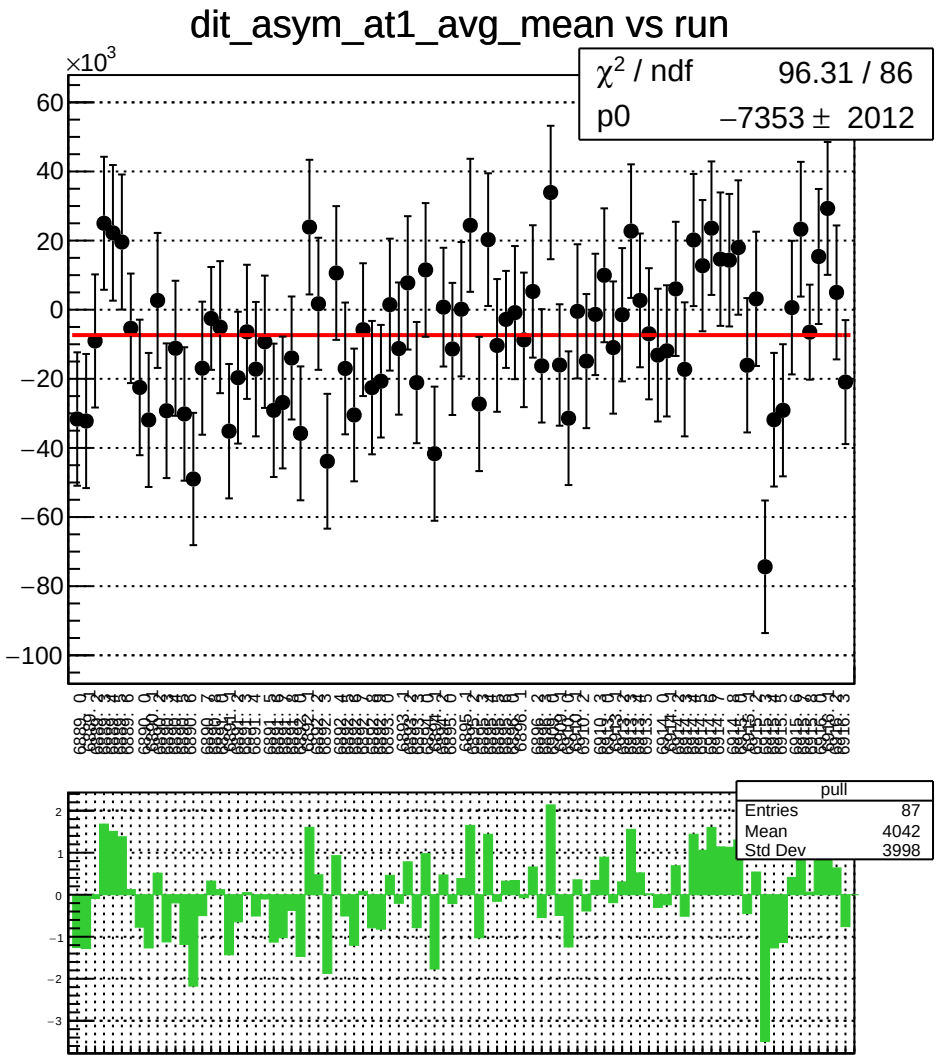

pull1D
Entries 87
Mean 0.001083
Std Dev 1.053

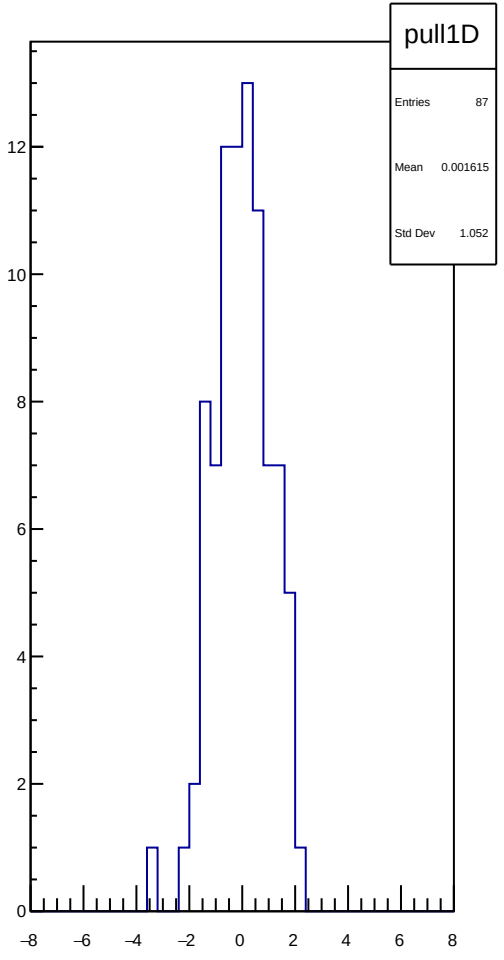

asym_usr_correction_rms vs run
χ² / ndf 8627 / 86
p0 1651 ± 1.286
2100
2000
1900
1800
1700
1600
1500
1400

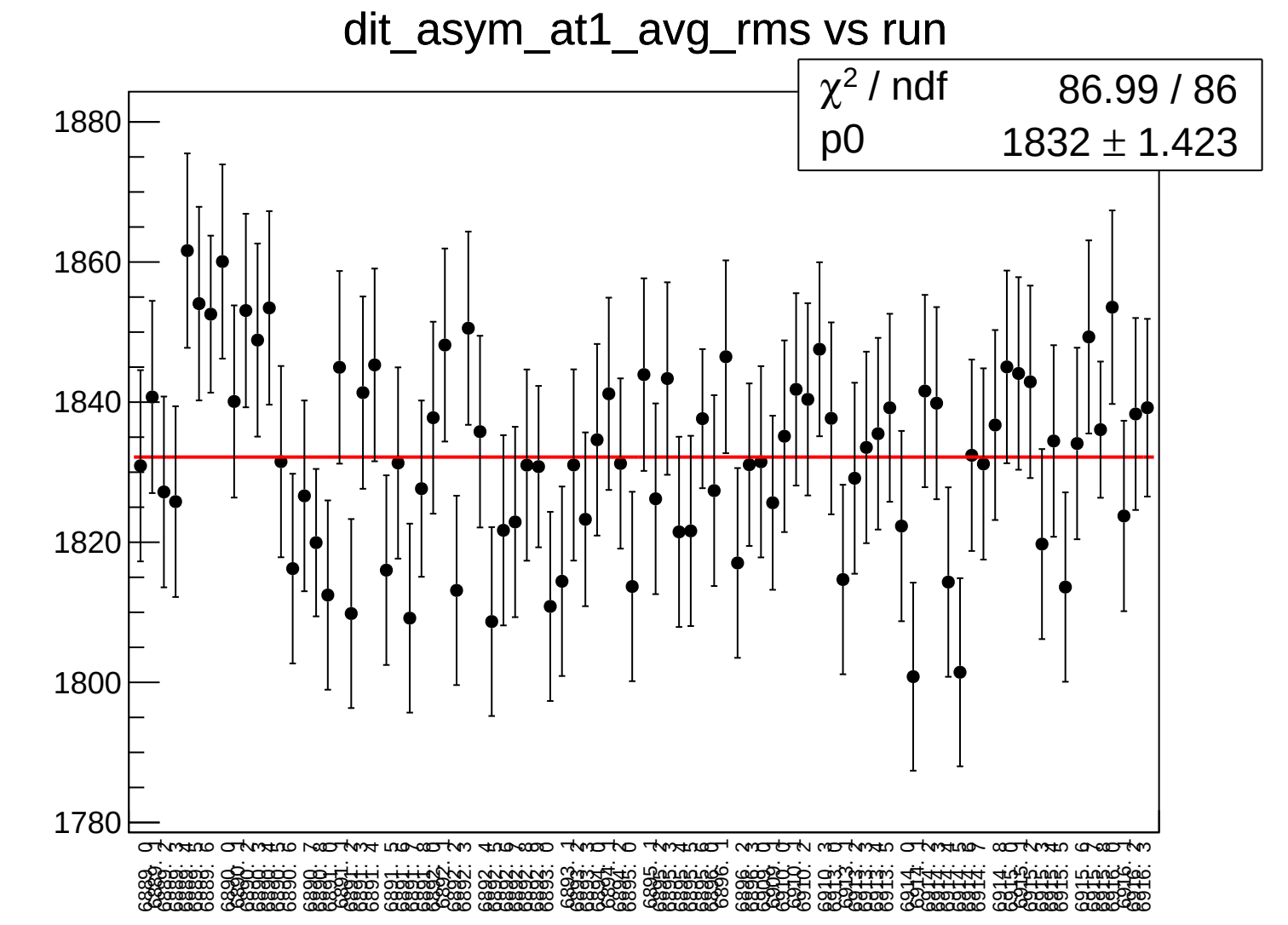

asym_usr_mean vs run
χ² / ndf 102.7 / 86
p0 −3461 ± 2181
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean 998.7
Std Dev 975.2
2
1
0
−1
−2

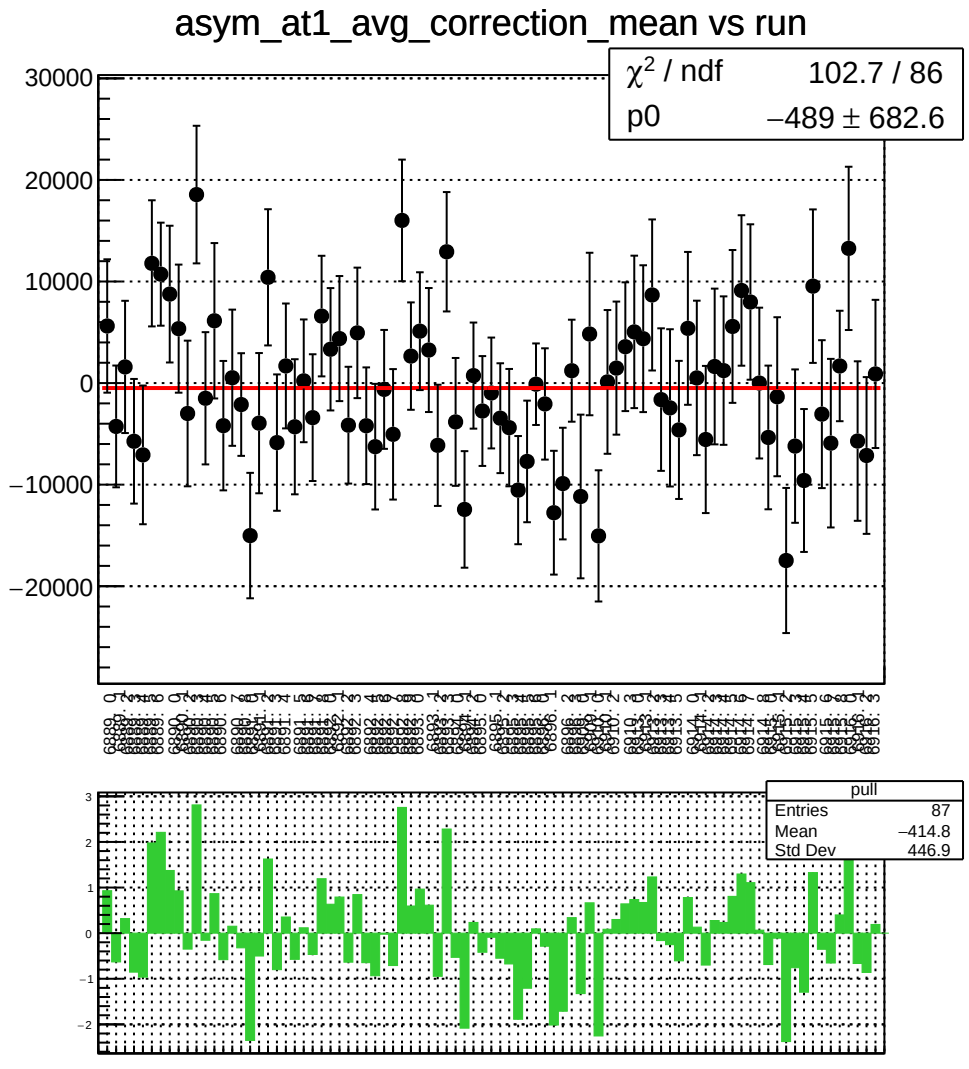

pull1D
Entries 87
Mean 0.001628
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

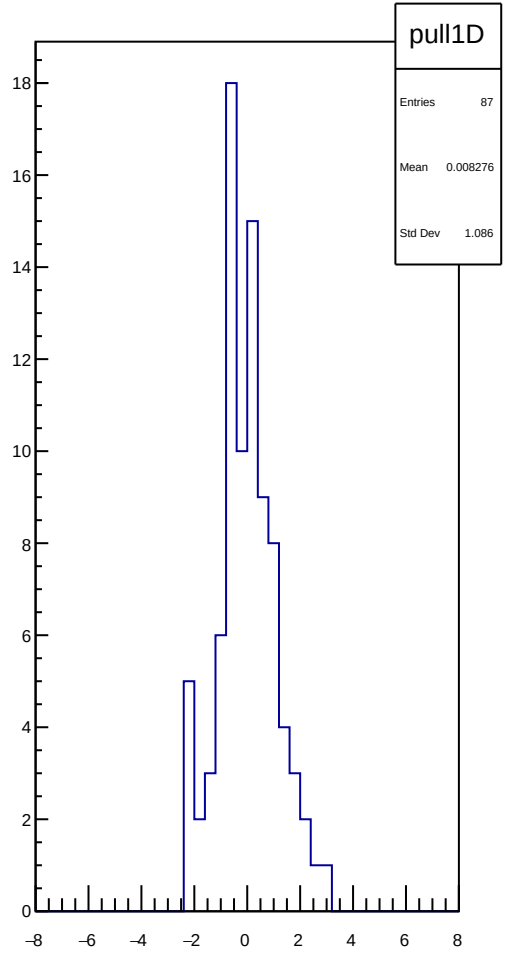

asym_usr_rms vs run
χ² / ndf 4316 / 86
p0 1984 ± 1.542
2400
2300
2200
2100
2000
1900
1800

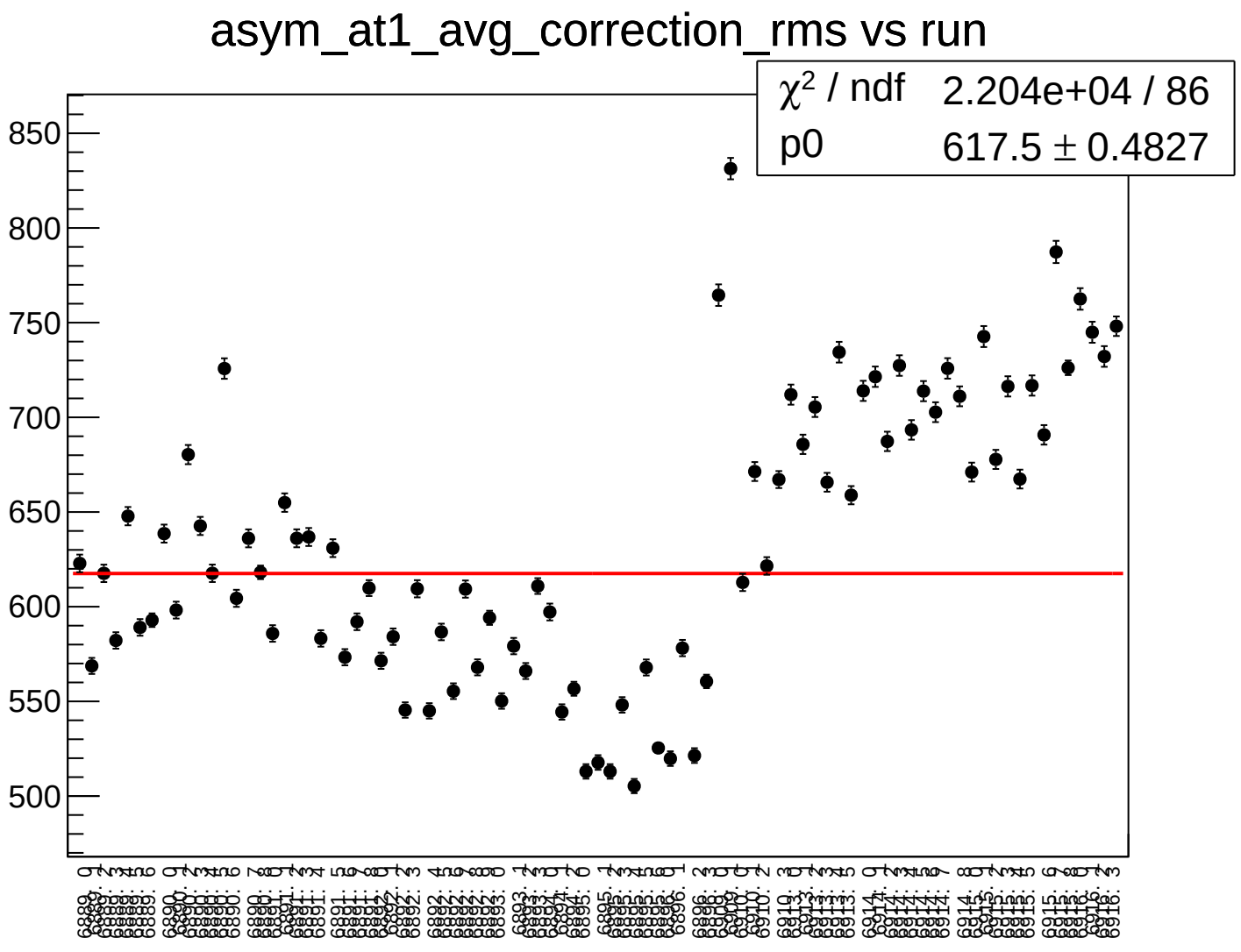

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 96.31 / 86
p0 −7353 ± 2012
pull
Entries 87
Mean 4042
Std Dev 3998

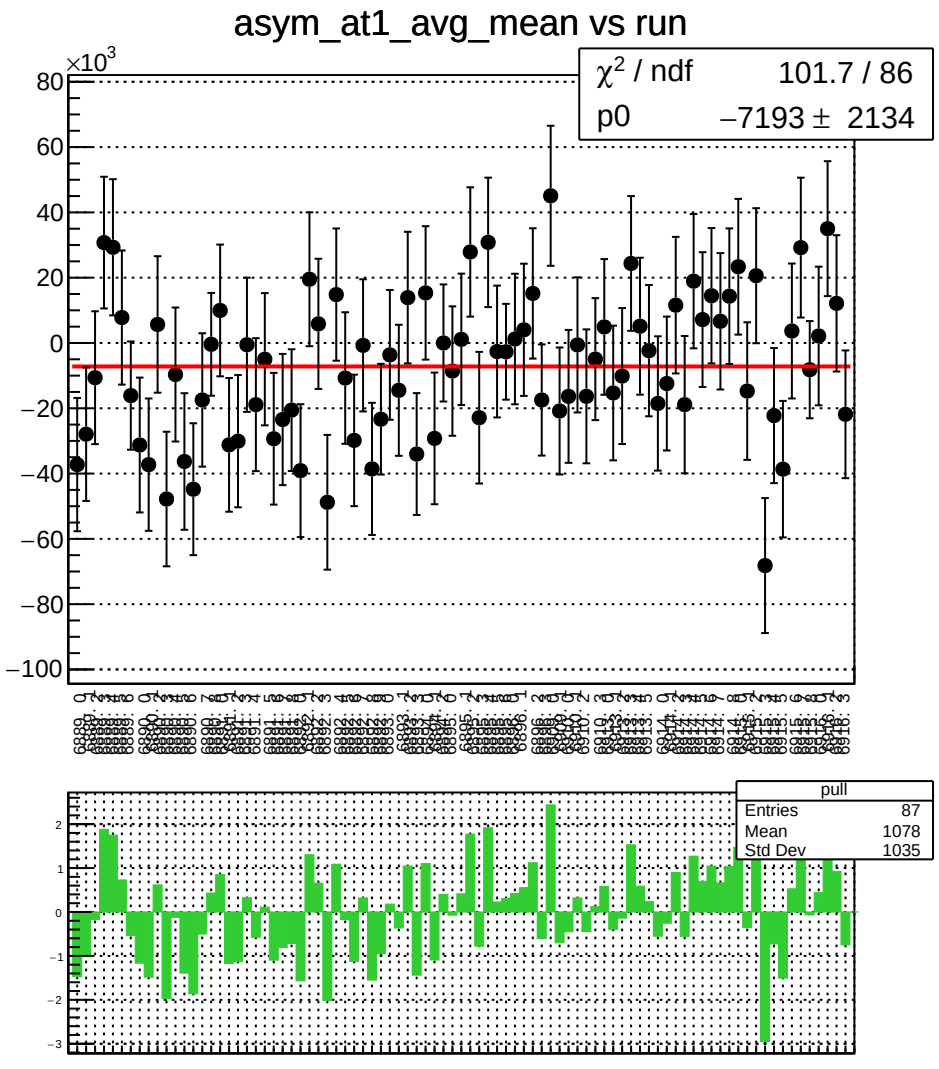

pull1D
Entries 87
Mean 0.001615
Std Dev 1.052

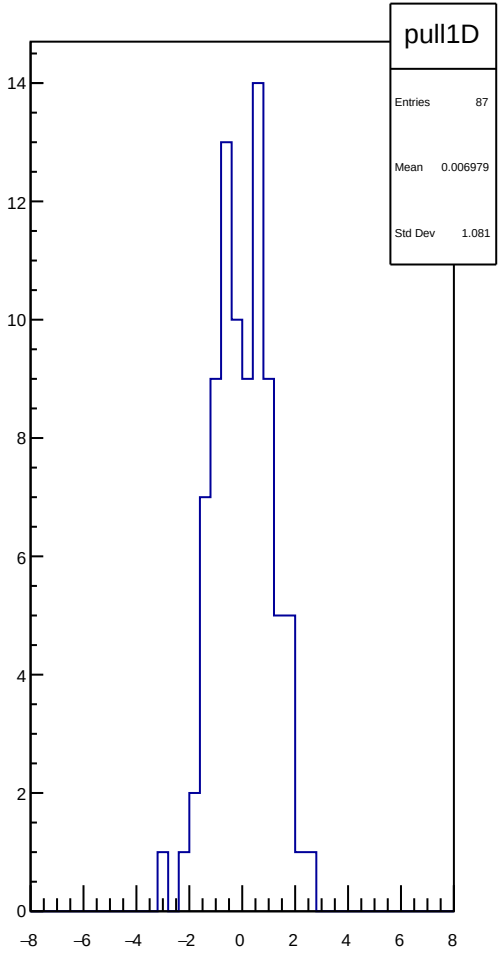

dit_asym_at1_avg_rms vs run
χ² / ndf 86.99 / 86
p0 1832 ± 1.423
1880
1860
1840
1820
1800
1780

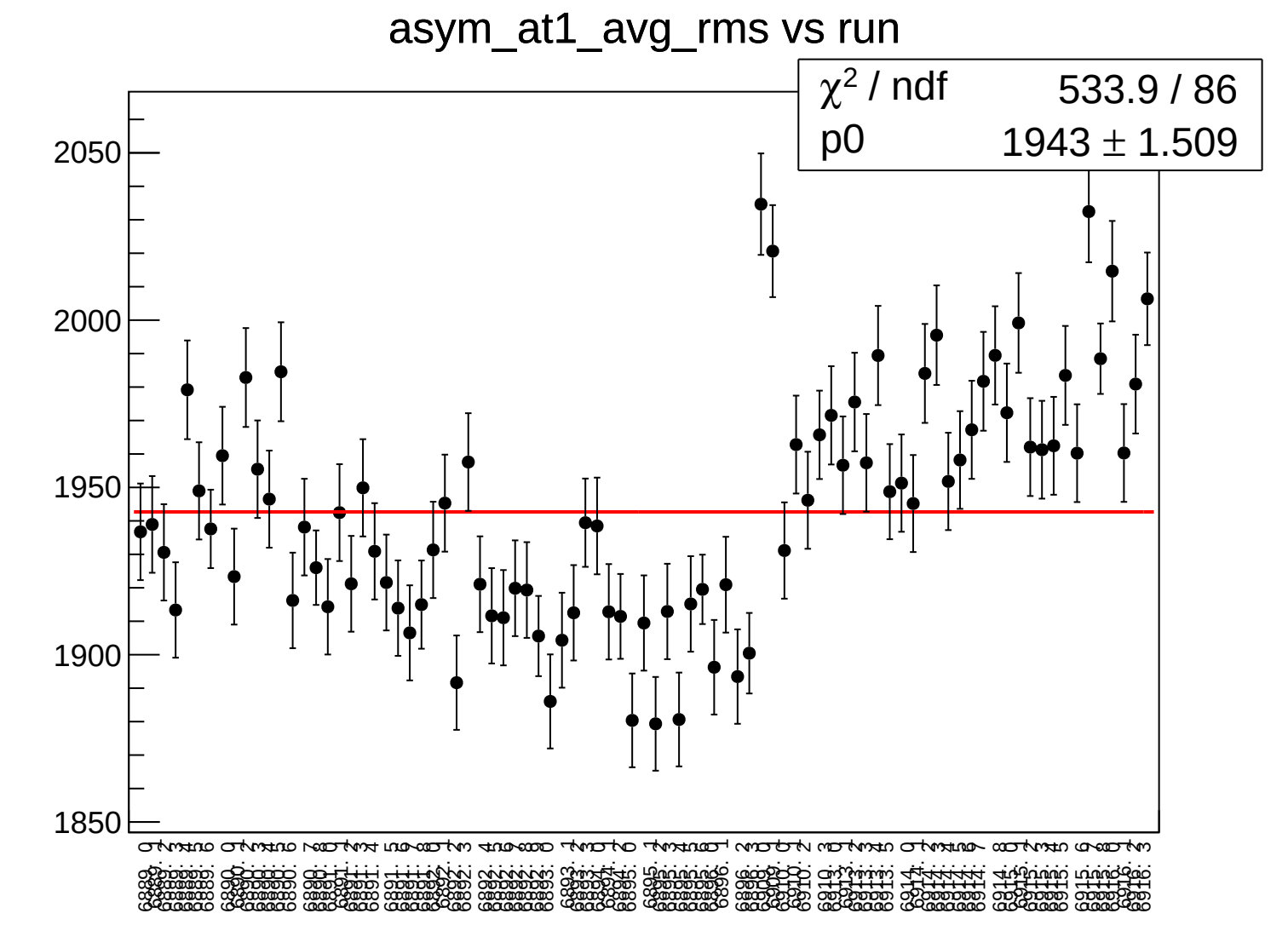

asym_at1_avg_correction_mean vs run
χ² / ndf 102.7 / 86
p0 −489 ± 682.6
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −414.8
Std Dev 446.9
3
2
1
0
−1
−2

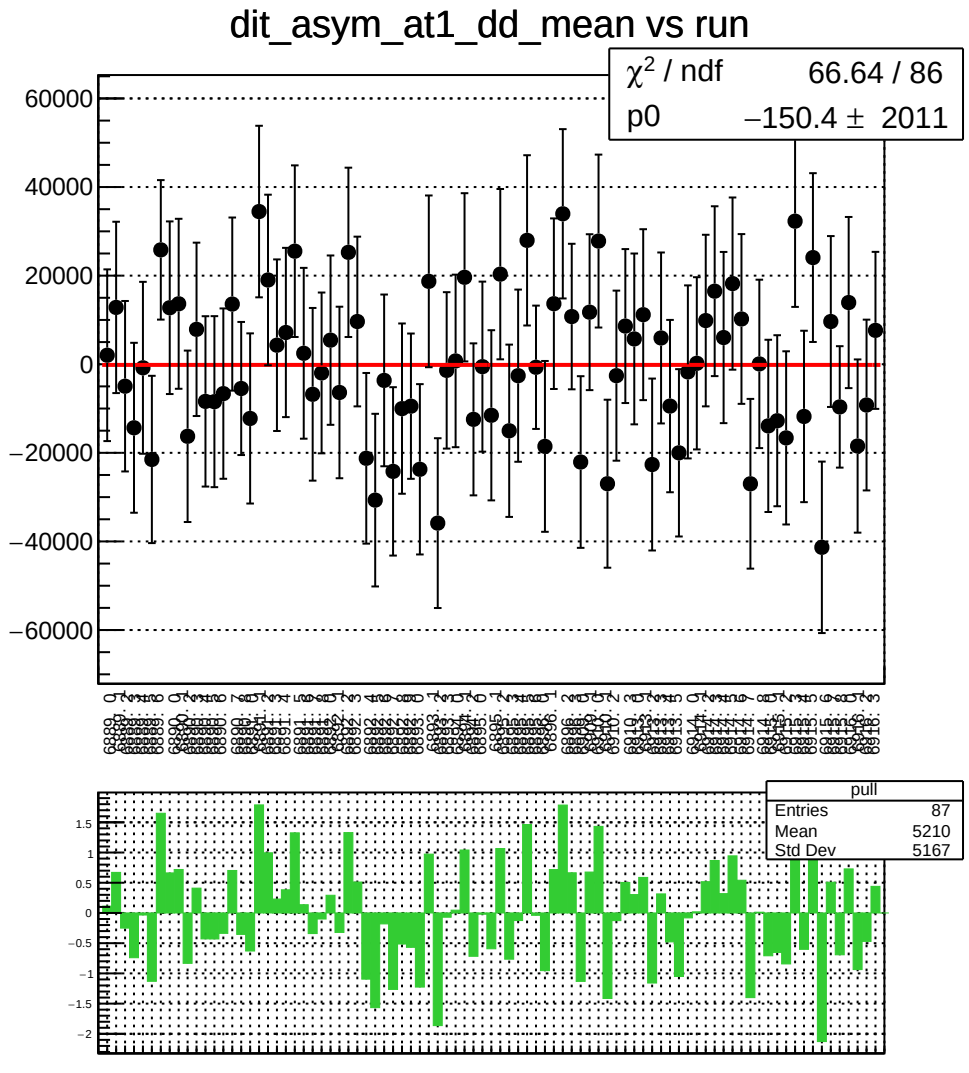

pull1D
Entries 87
Mean 0.008276
Std Dev 1.086
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

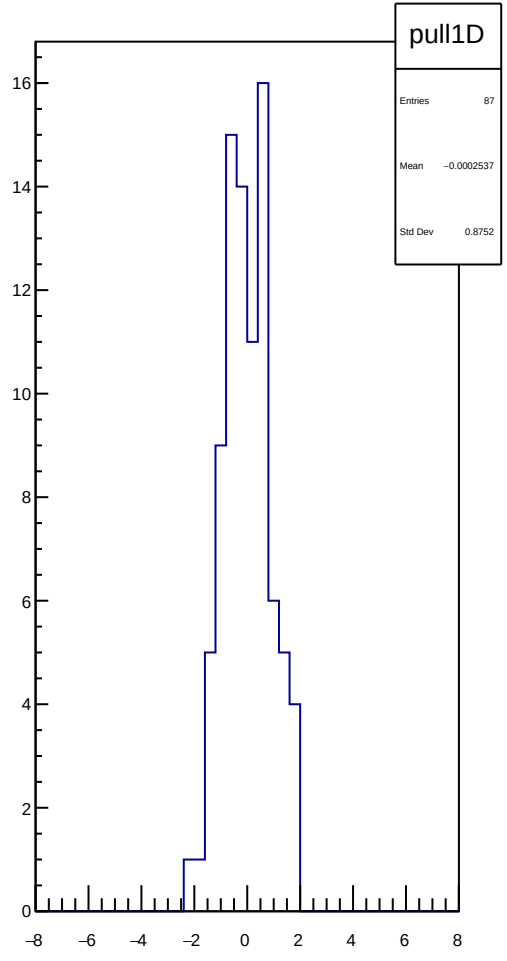

asym_at1_avg_correction_rms vs run
χ² / ndf 2.204e+04 / 86
p0 617.5 ± 0.4827
850
800
750
700
650
600
550
500

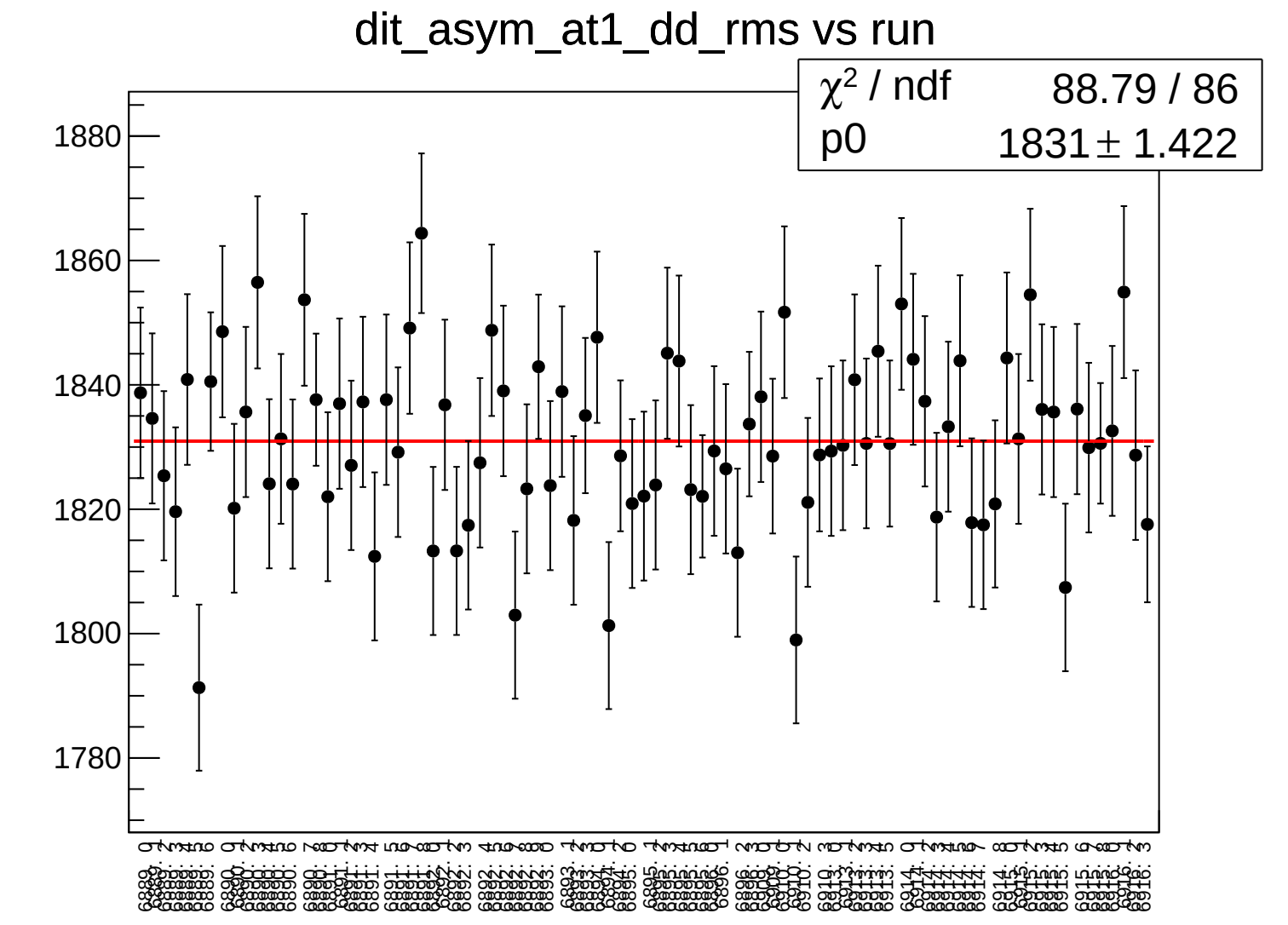

asym_at1_avg_mean vs run
χ² / ndf 101.7 / 86
p0 −7193 ± 2134
×10³
pull
Entries 87
Mean 1078
Std Dev 1035

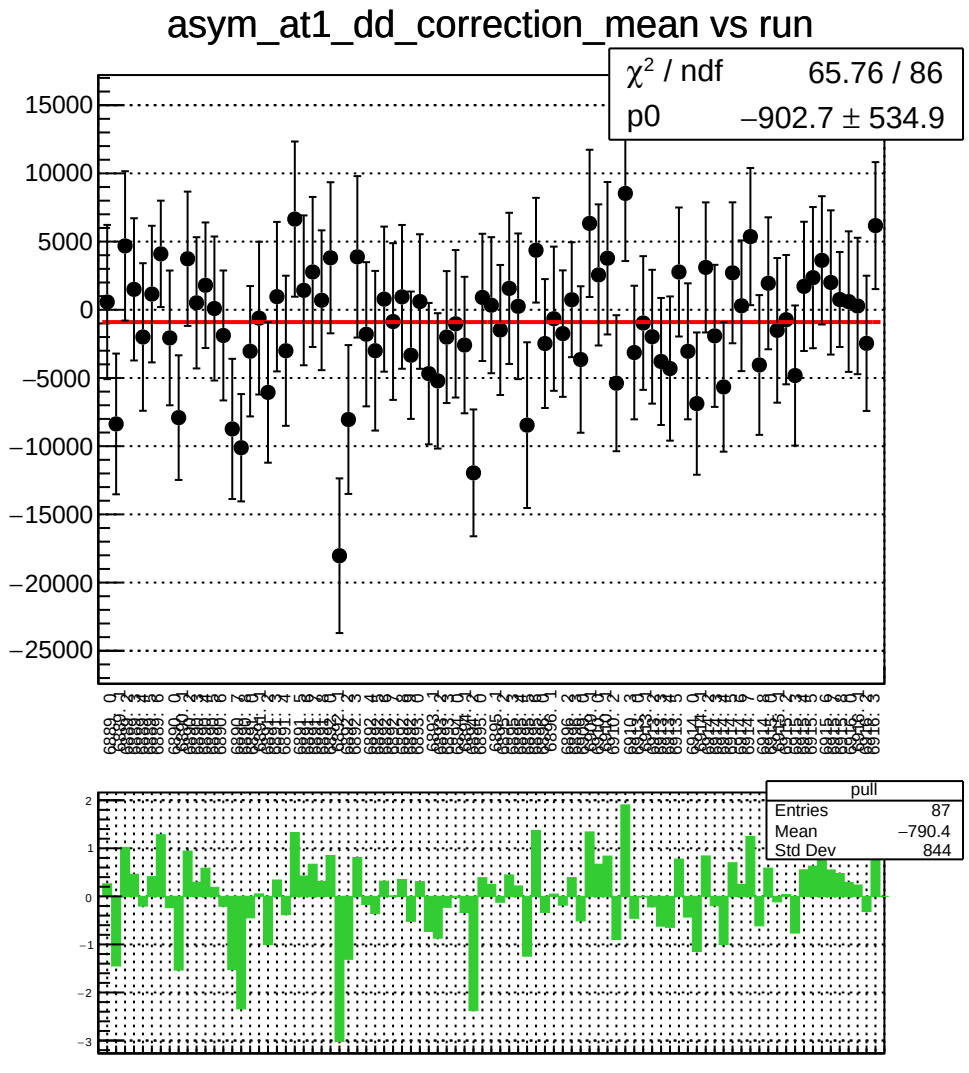

pull1D
Entries 87
Mean 0.006979
Std Dev 1.081

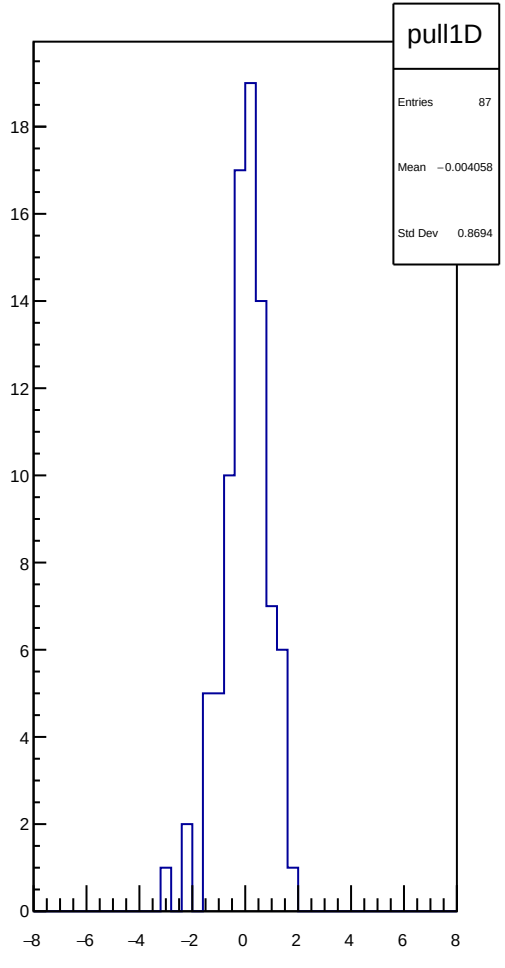

asym_at1_avg_rms vs run
χ^2 / ndf 533.9 / 86
p0 1943 ± 1.509
2050
2000
1950
1900
1850

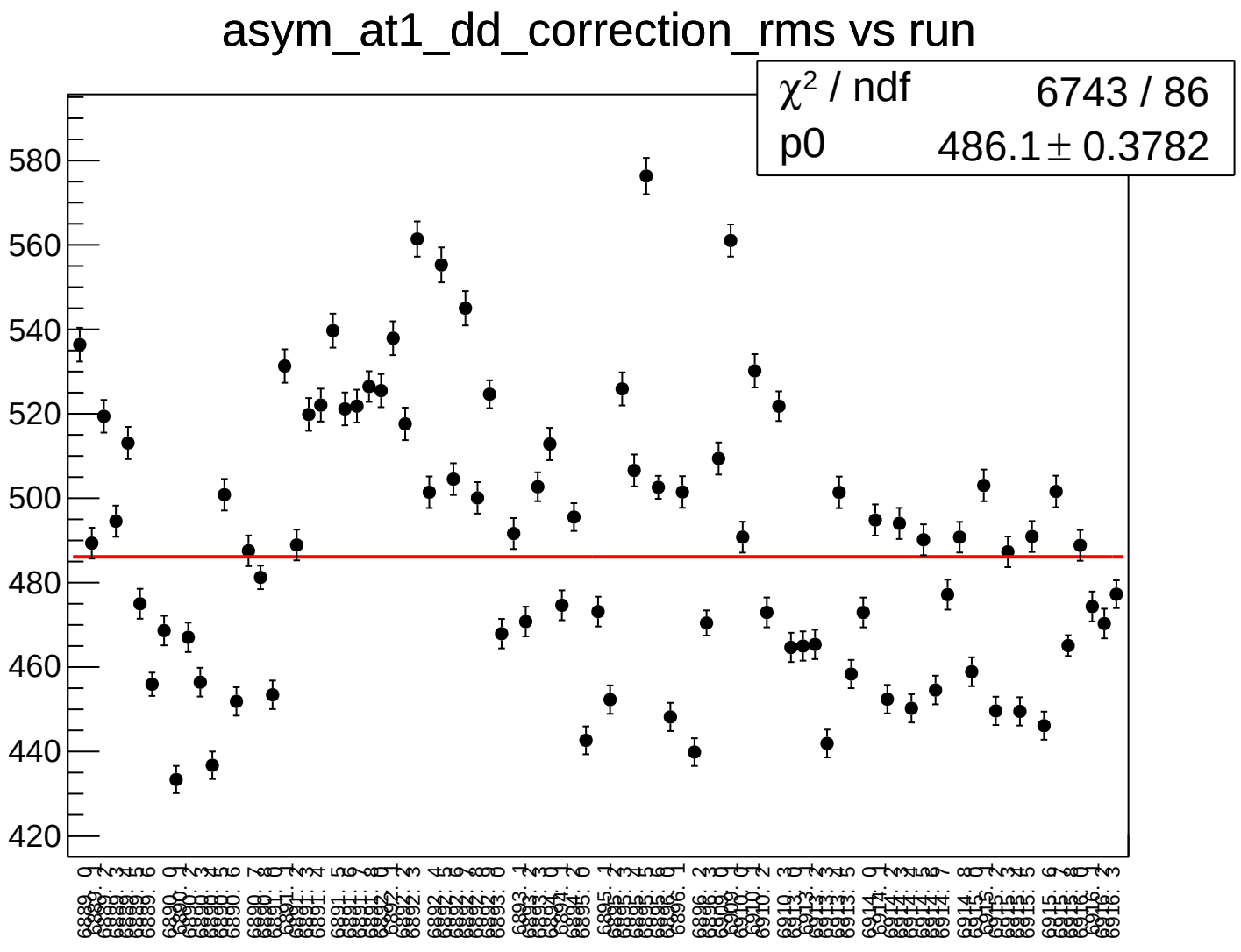

dit_asym_at1_dd_mean vs run
χ² / ndf 66.64 / 86
p0 −150.4 ± 2011
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 5210
Std Dev 5167
1.5
1
0.5
0
−0.5
−1
−1.5
−2

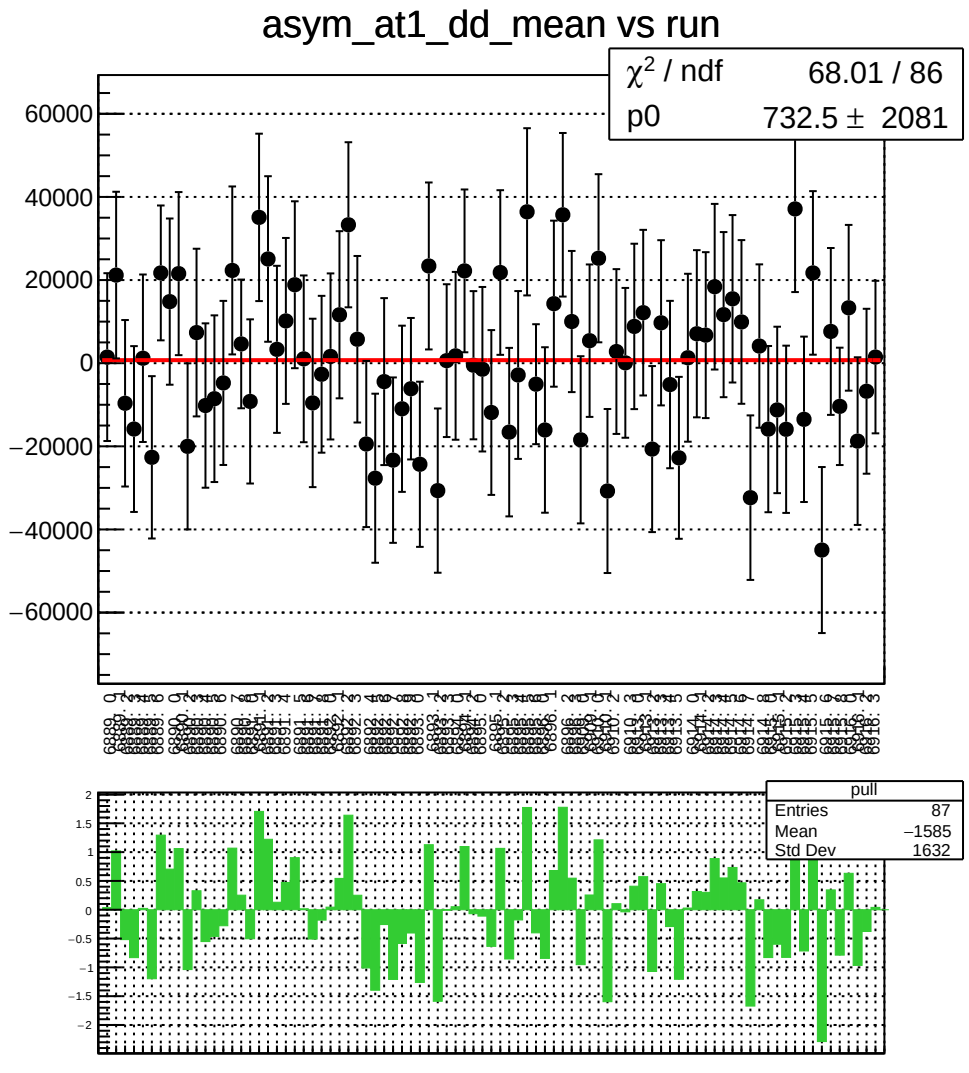

pull1D
Entries 87
Mean −0.0002537
Std Dev 0.8752
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

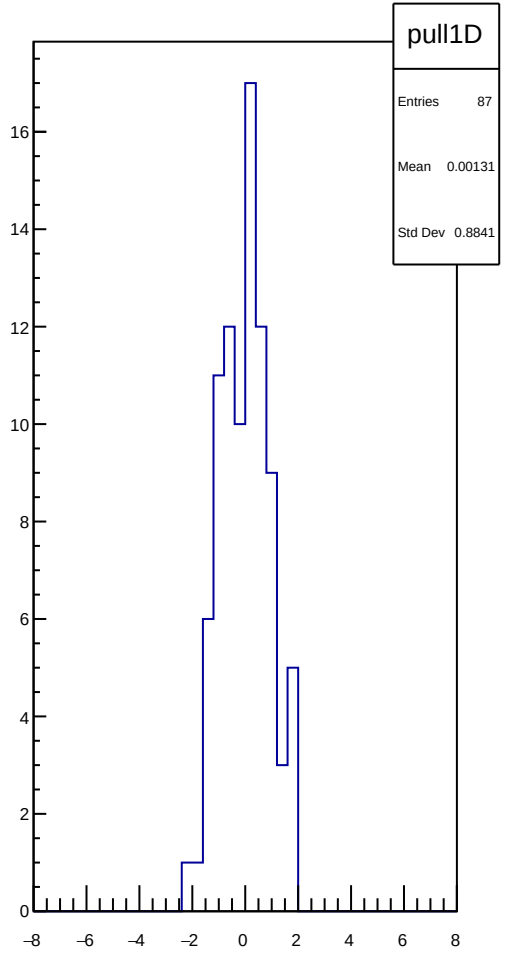

dit_asym_at1_dd_rms vs run
χ^2 / ndf 88.79 / 86
p0 1831 ± 1.422
1880
1860
1840
1820
1800
1780

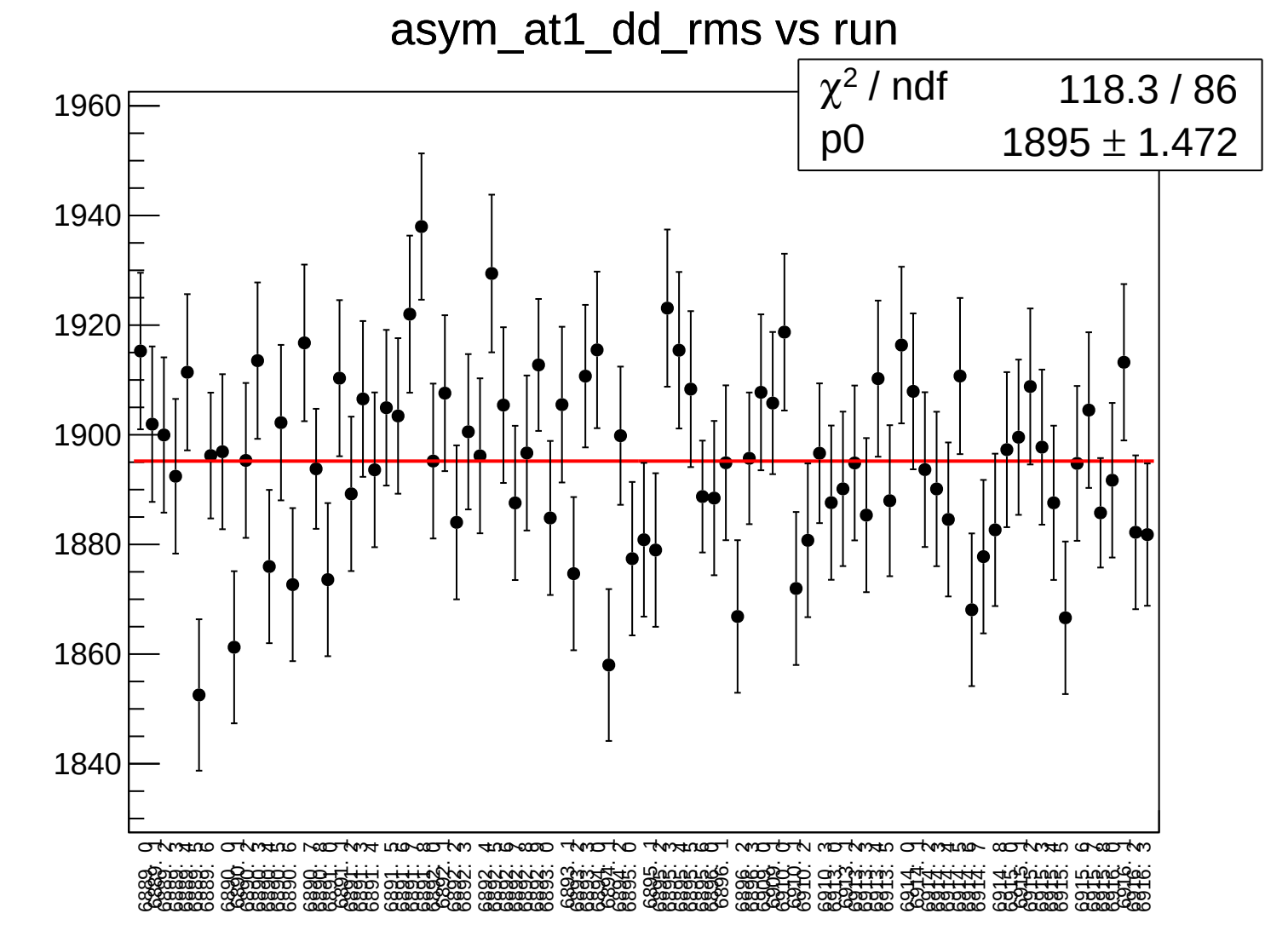

asym_at1_dd_correction_mean vs run
χ² / ndf 65.76 / 86
p0 −902.7 ± 534.9
pull
Entries 87
Mean −790.4
Std Dev 844

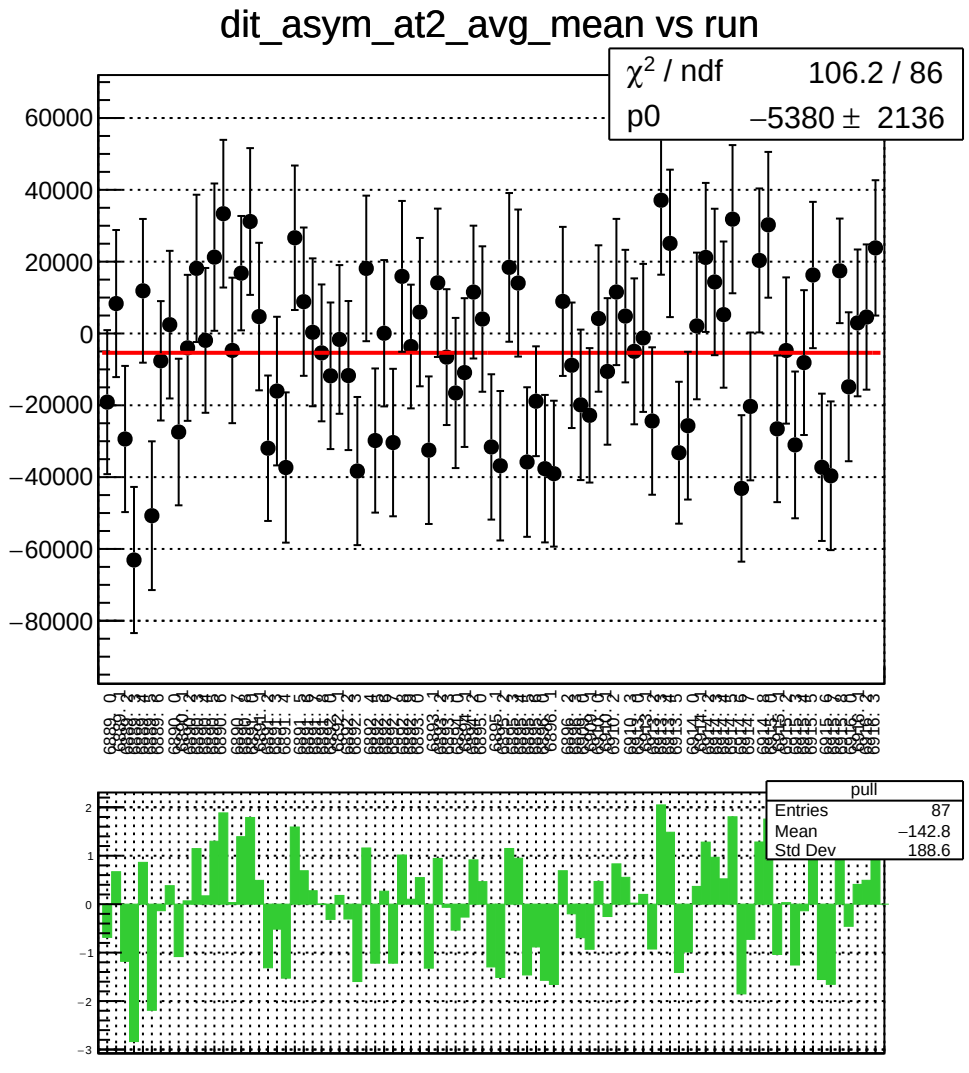

pull1D
Entries 87
Mean −0.004058
Std Dev 0.8694

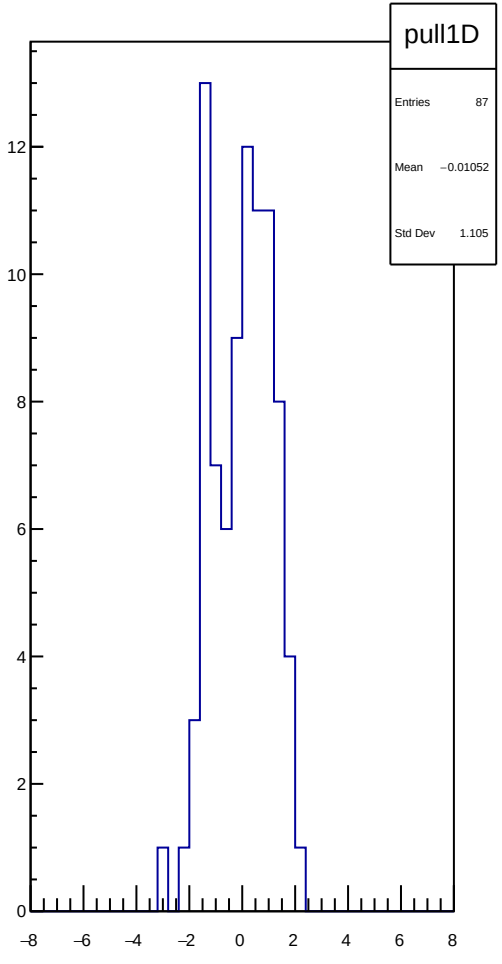

asym_at1_dd_correction_rms vs run
χ² / ndf 6743 / 86
p0 486.1 ± 0.3782
580
560
540
520
500
480
460
440
420

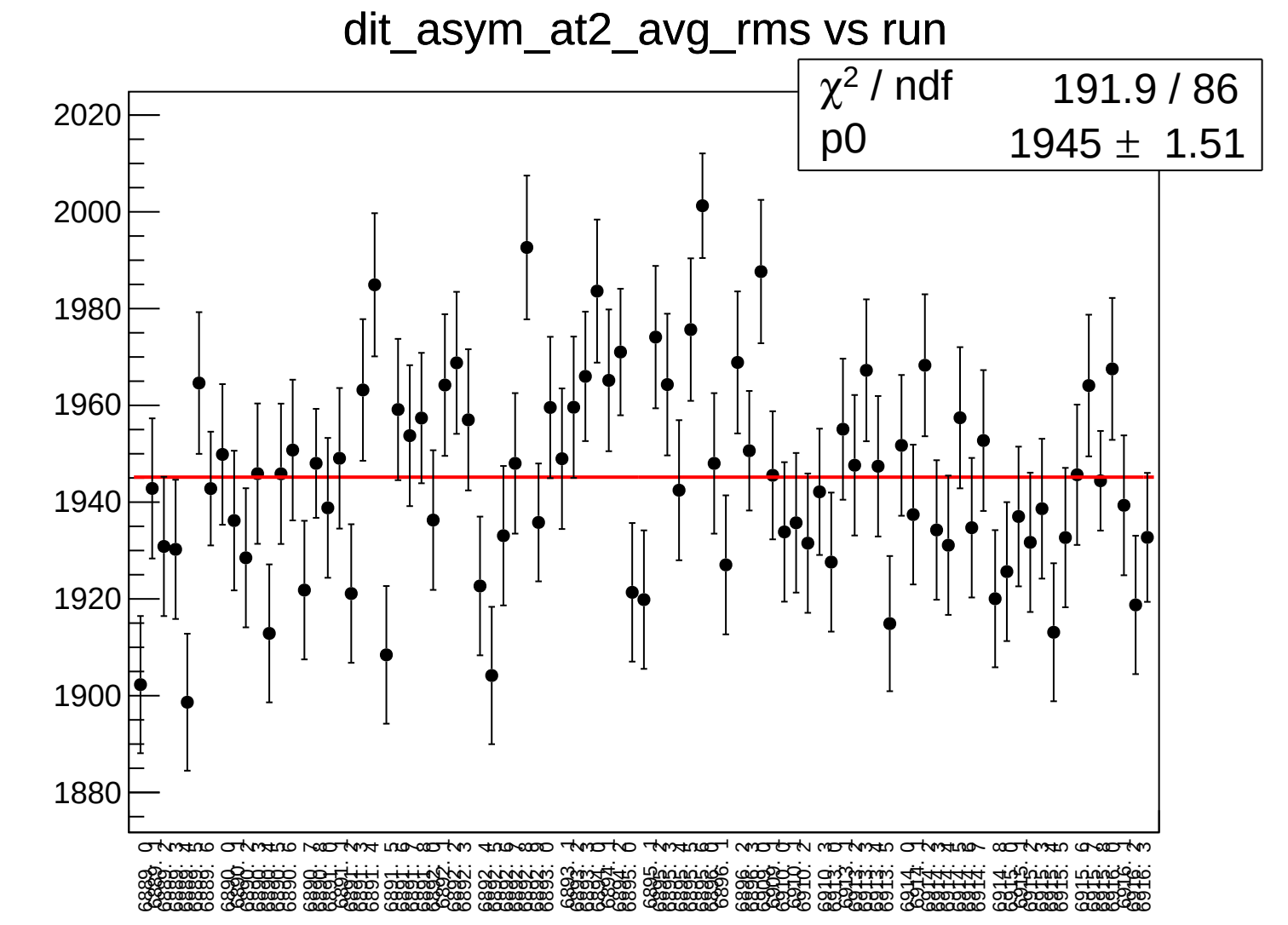

asym_at1_dd_mean vs run
χ² / ndf 68.01 / 86
p0 732.5 ± 2081
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −1585
Std Dev 1632
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

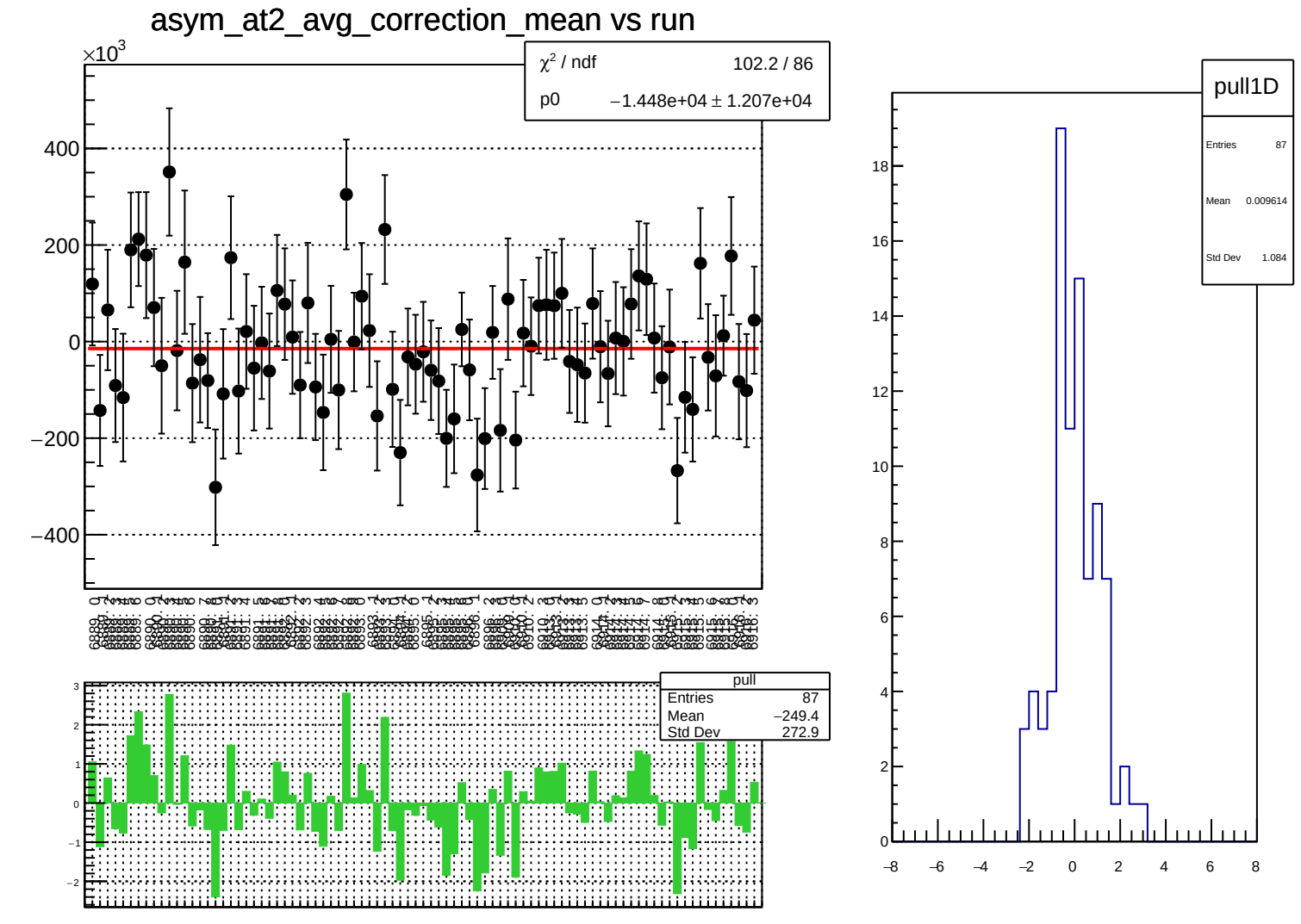

pull1D
Entries 87
Mean 0.00131
Std Dev 0.8841
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

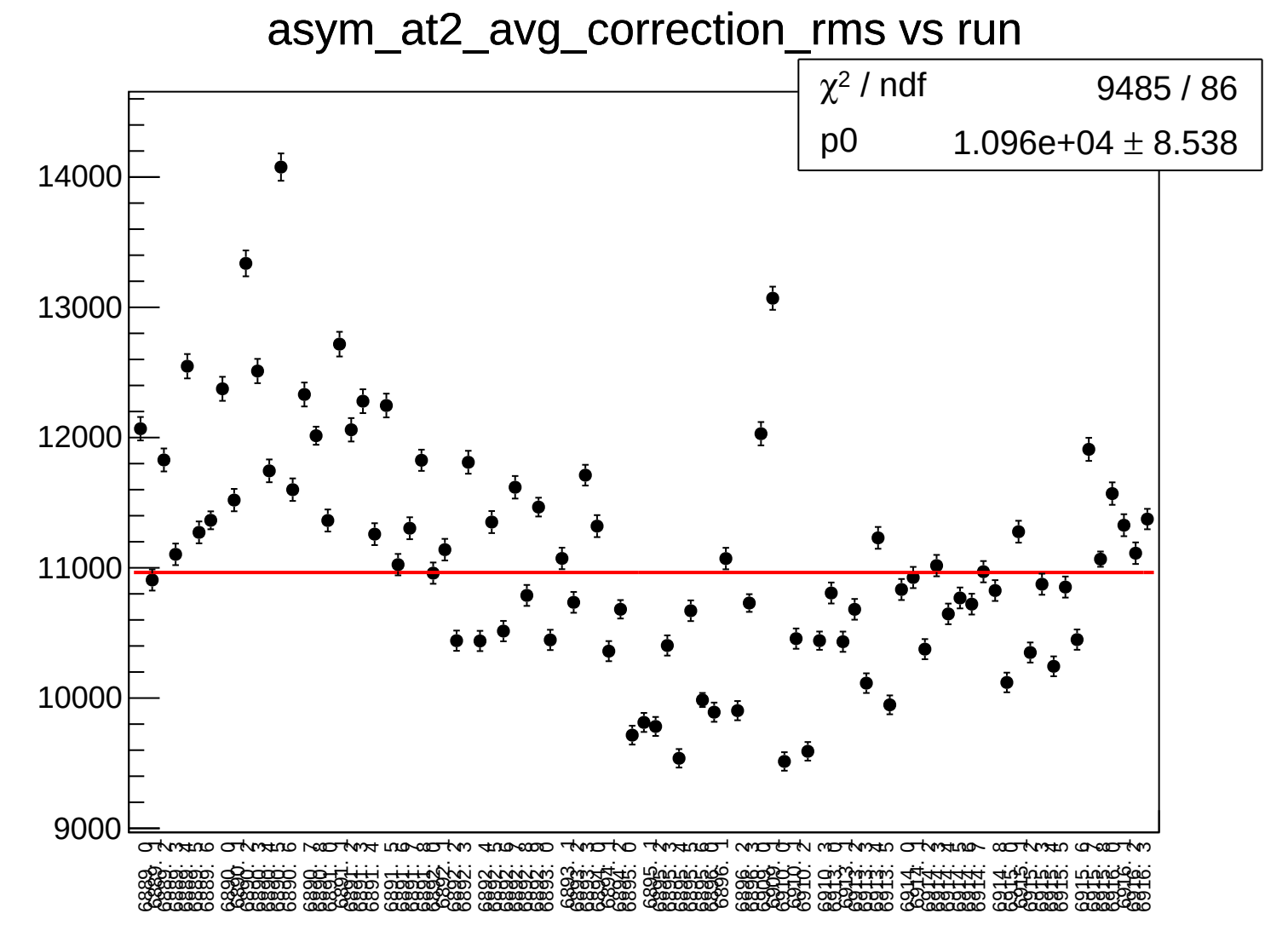

asym_at1_dd_rms vs run
χ² / ndf 118.3 / 86
p0 1895 ± 1.472
1960
1940
1920
1900
1880
1860
1840

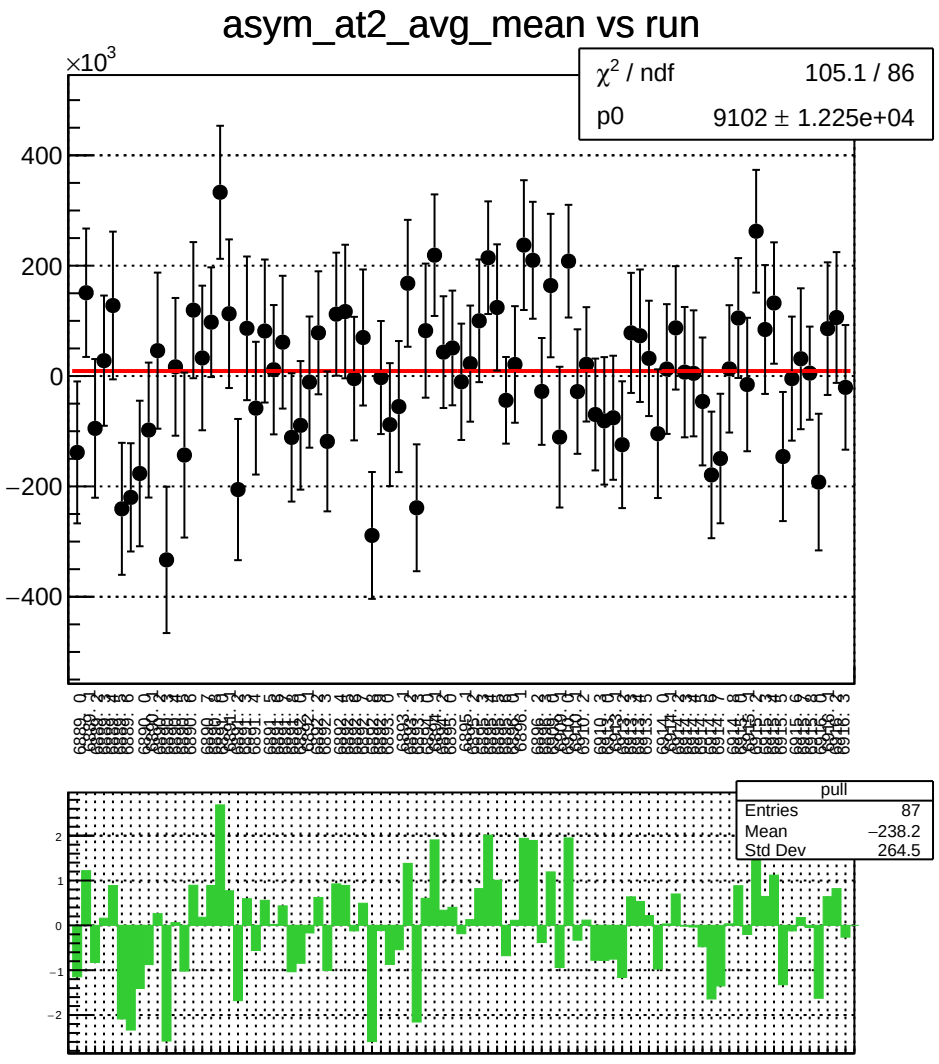

dit_asym_at2_avg_mean vs run
χ² / ndf 106.2 / 86
p0 −5380 ± 2136
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean −142.8
Std Dev 188.6
2
1
0
−1
−2
−3

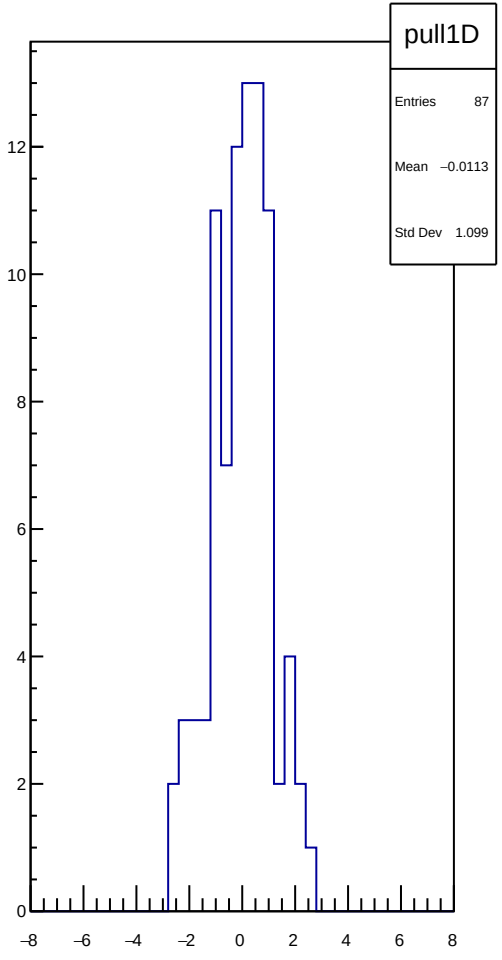

pull1D
Entries 87
Mean −0.01052
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

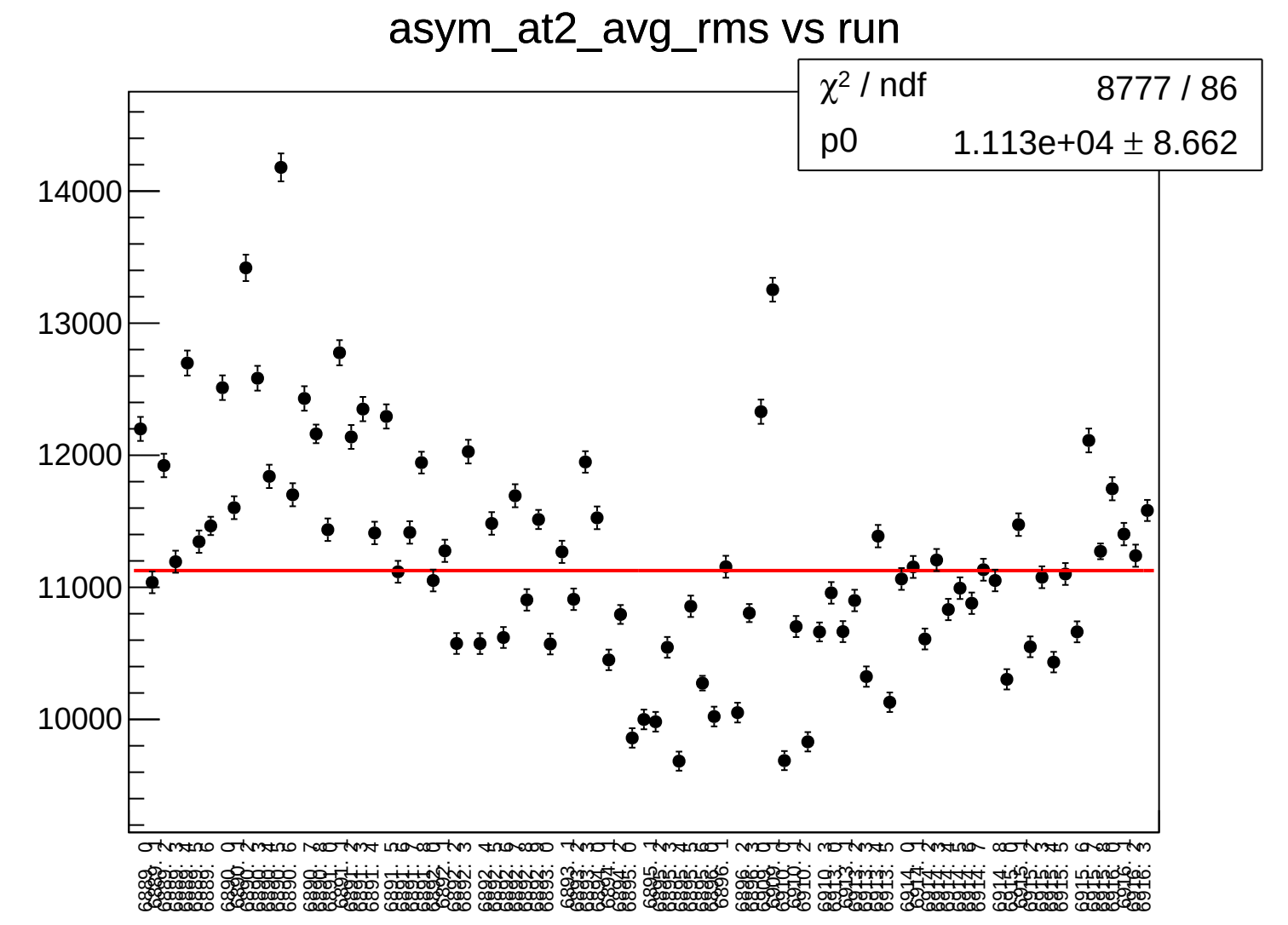

dit_asym_at2_avg_rms vs run
χ² / ndf 191.9 / 86
p0 1945 ± 1.51
2020
2000
1980
1960
1940
1920
1900
1880

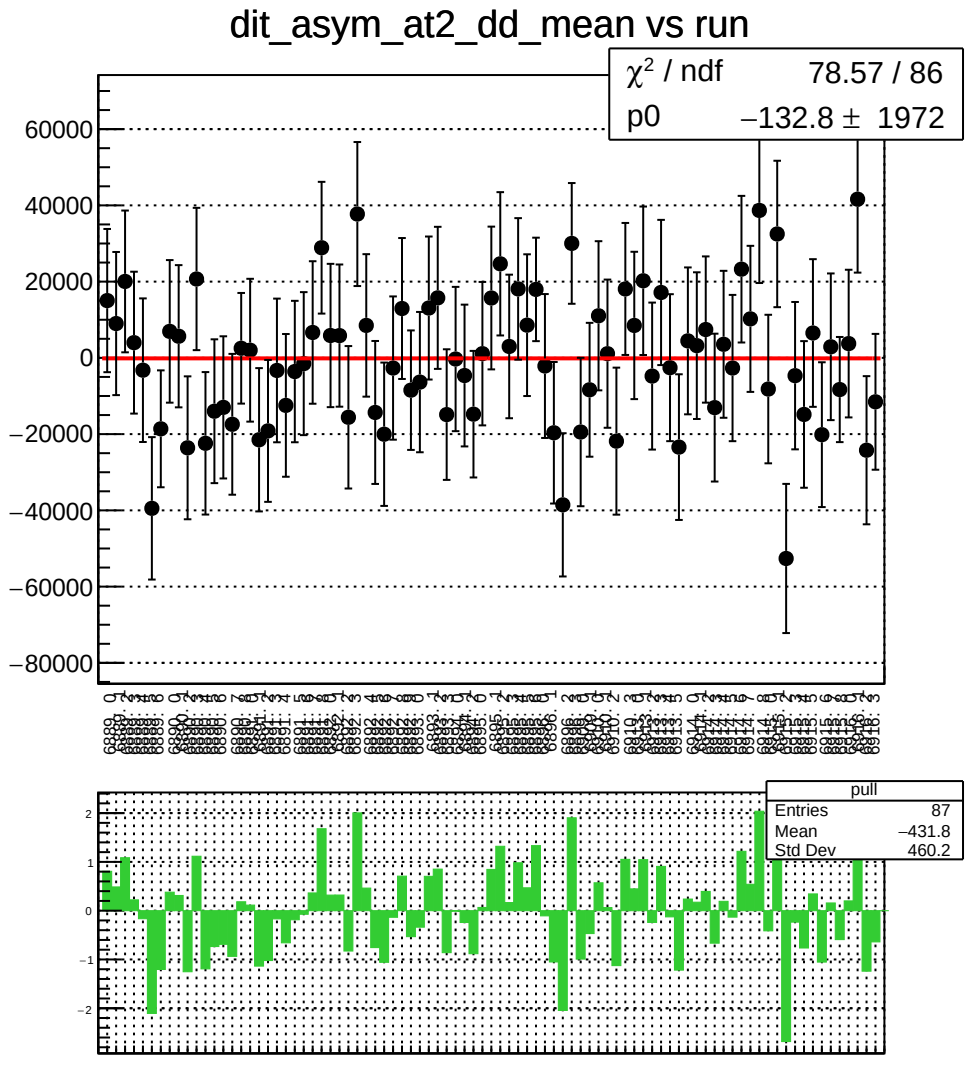

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 102.2 / 86
p0 −1.448e+04 ± 1.207e+04
400
200
0
−200
−400
pull
Entries 87
Mean −249.4
Std Dev 272.9
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.009614
Std Dev 1.084
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

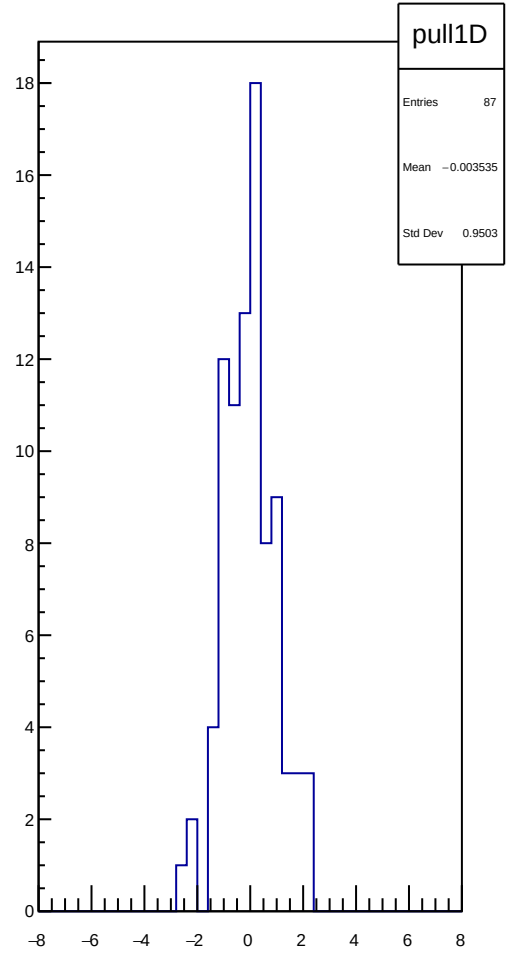

asym_at2_avg_correction_rms vs run
χ² / ndf 9485 / 86
p0 1.096e+04 ± 8.538
14000
13000
12000
11000
10000
9000

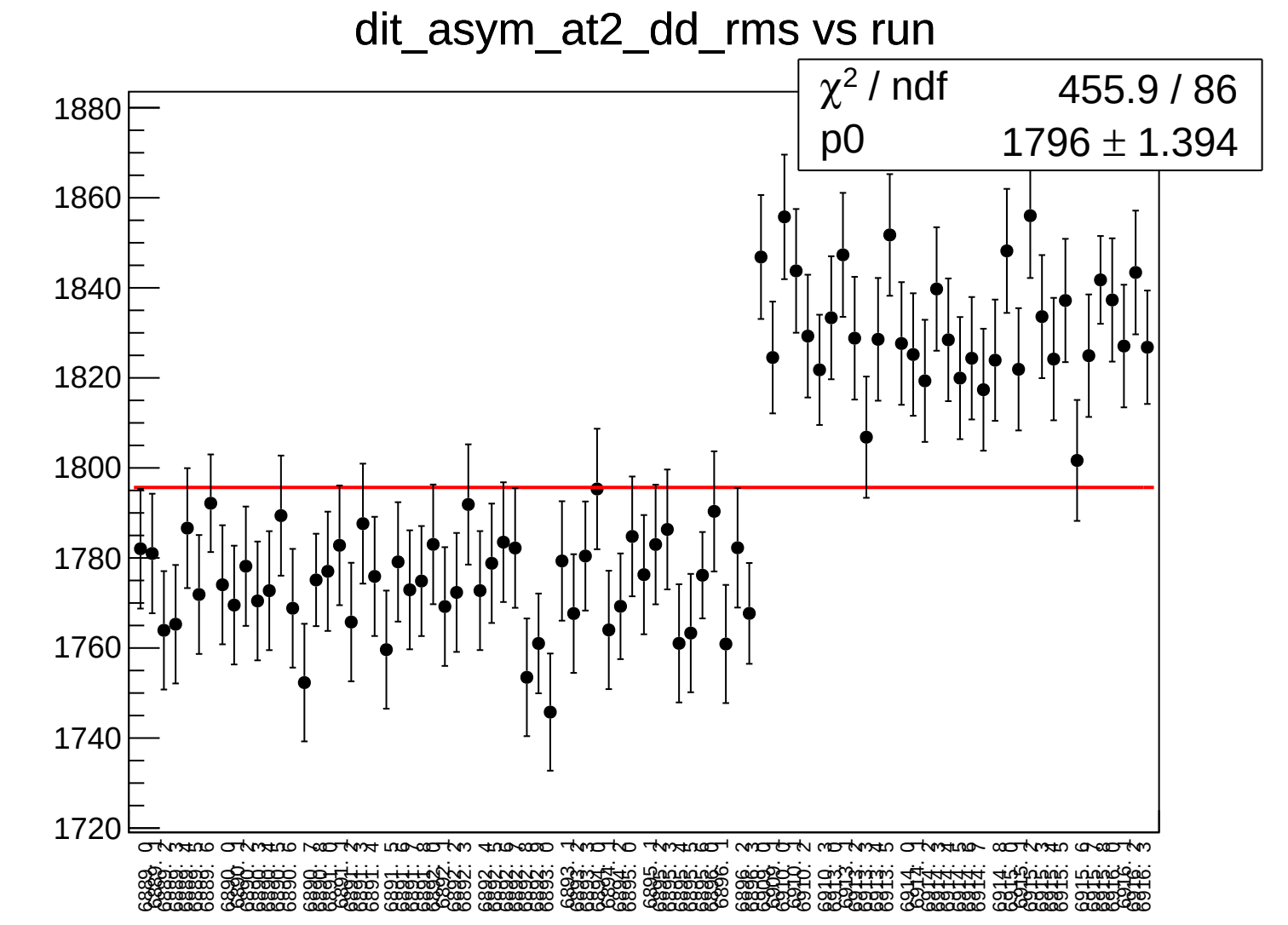

asym_at2_avg_mean vs run
×10^3
χ² / ndf 105.1 / 86
p0 9102 ± 1.225e+04
400
200
0
−200
−400
pull
Entries 87
Mean −238.2
Std Dev 264.5
2
1
0
−1
−2

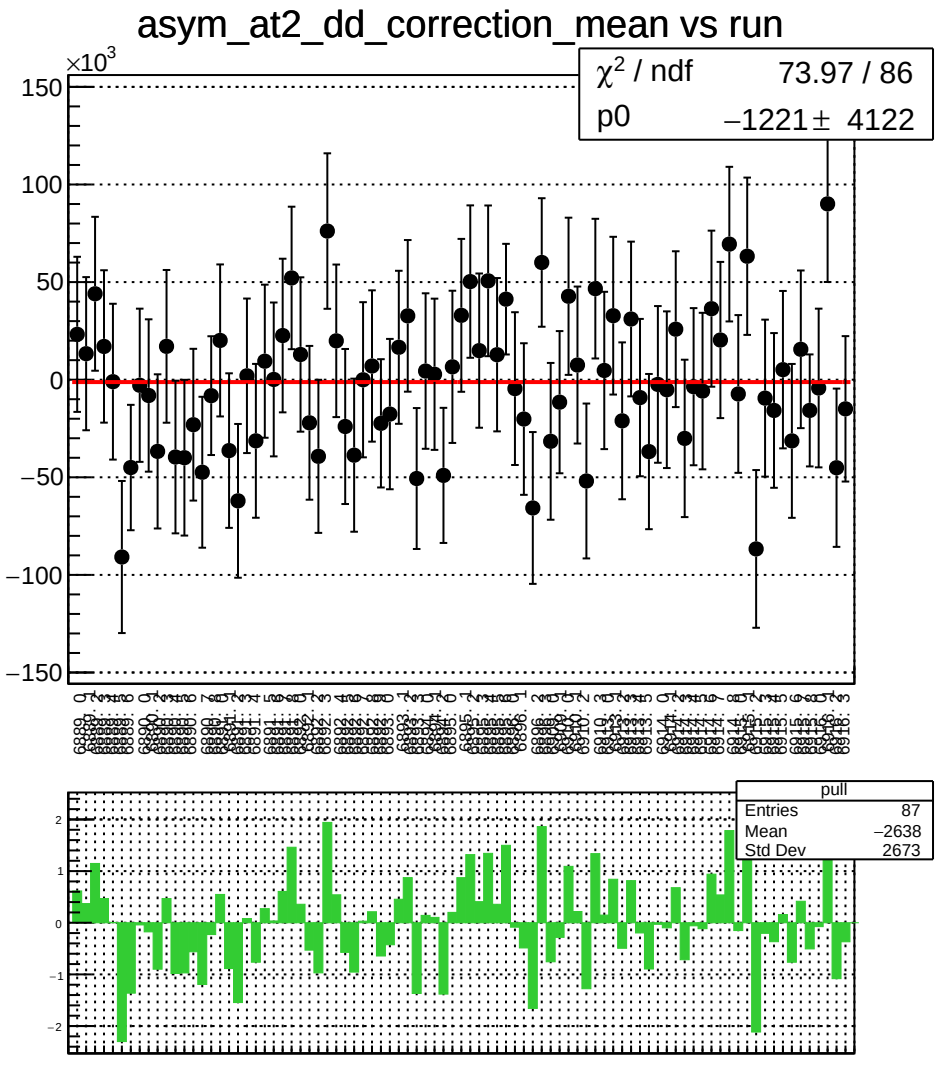

pull1D
Entries 87
Mean −0.0113
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

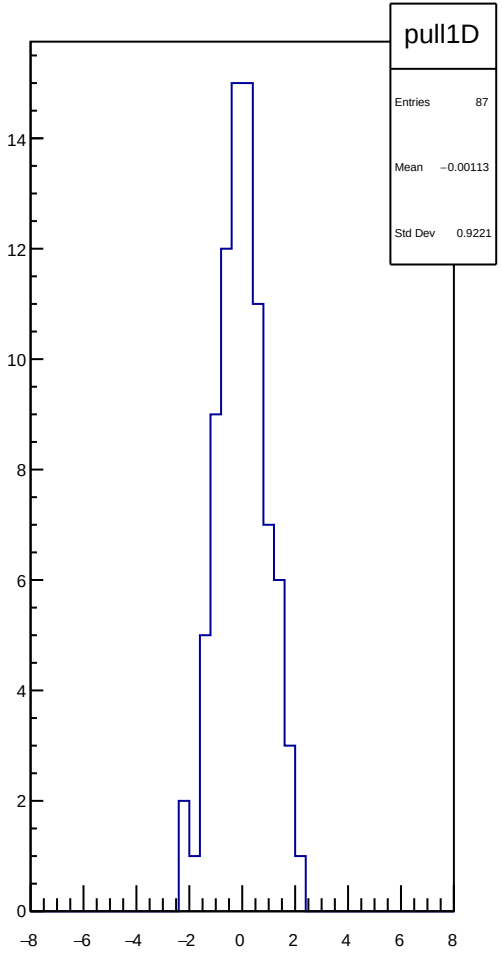

asym_at2_avg_rms vs run
χ² / ndf 8777 / 86
p0 1.113e+04 ± 8.662
14000
13000
12000
11000
10000

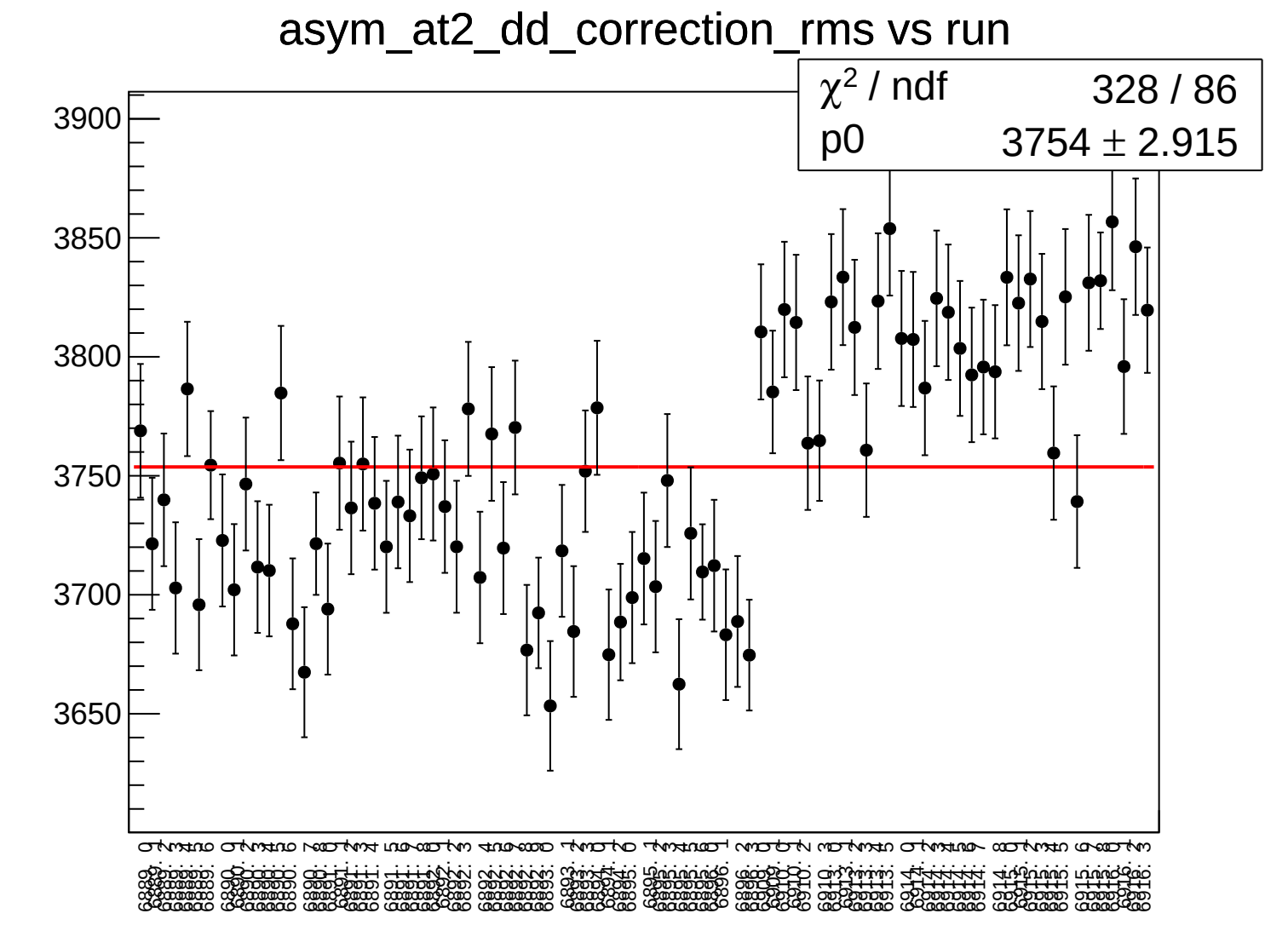

dit_asym_at2_dd_mean vs run
χ² / ndf 78.57 / 86
p0 −132.8 ± 1972
pull
Entries 87
Mean −431.8
Std Dev 460.2

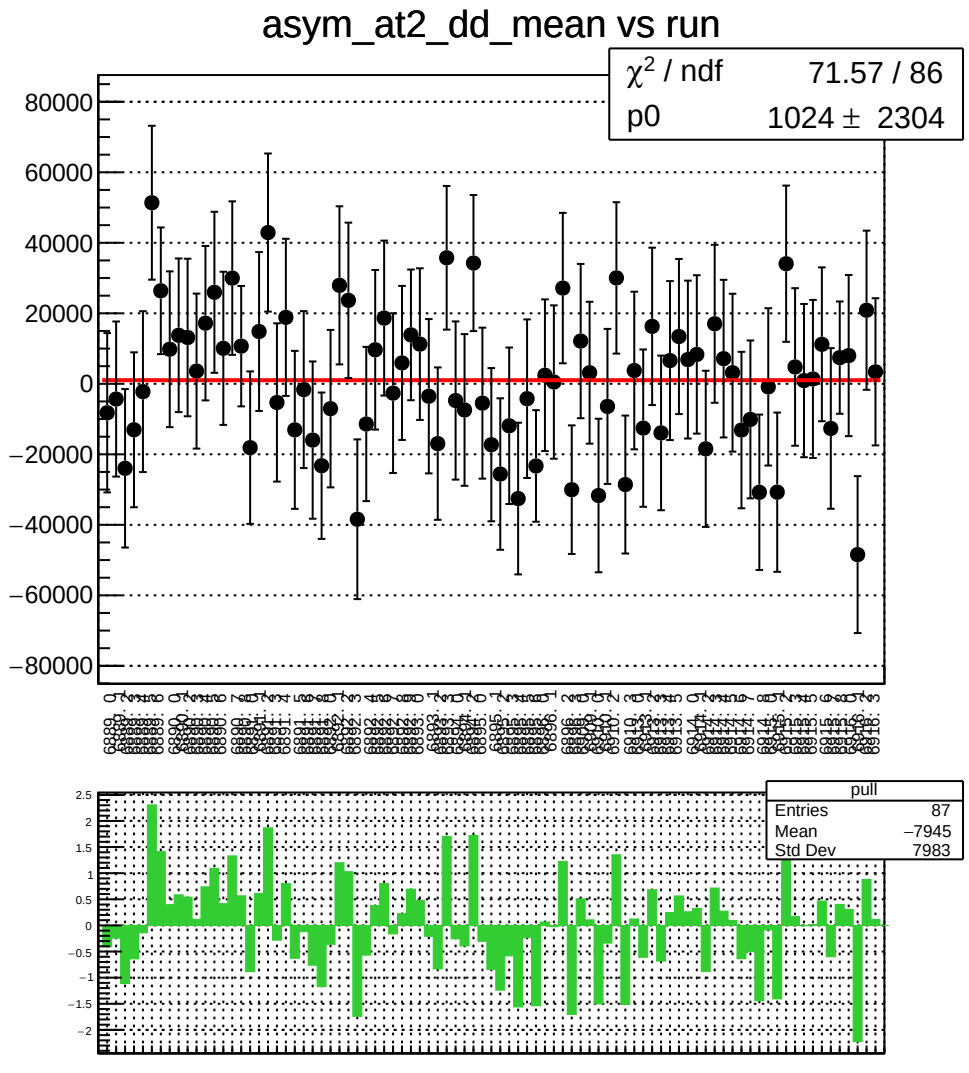

pull1D
Entries 87
Mean −0.003535
Std Dev 0.9503

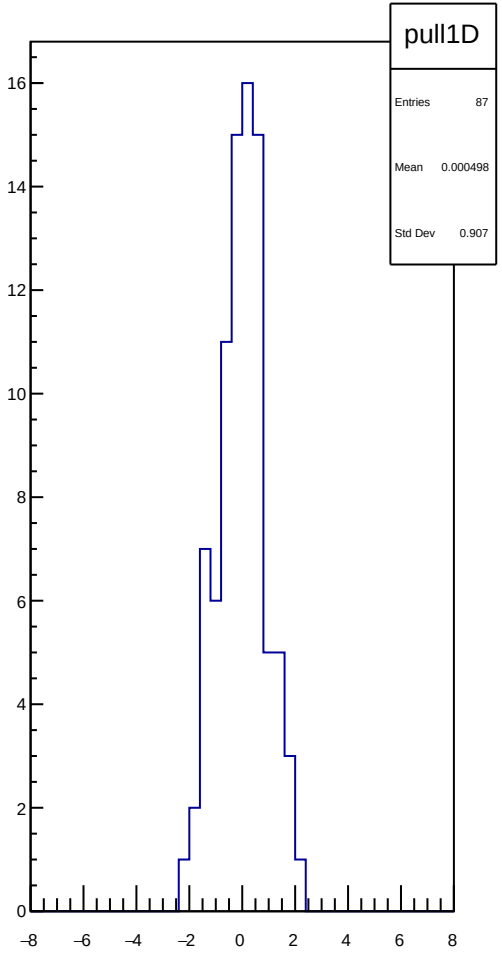

dit_asym_at2_dd_rms vs run
χ² / ndf 455.9 / 86
p0 1796 ± 1.394
1880
1860
1840
1820
1800
1780
1760
1740
1720

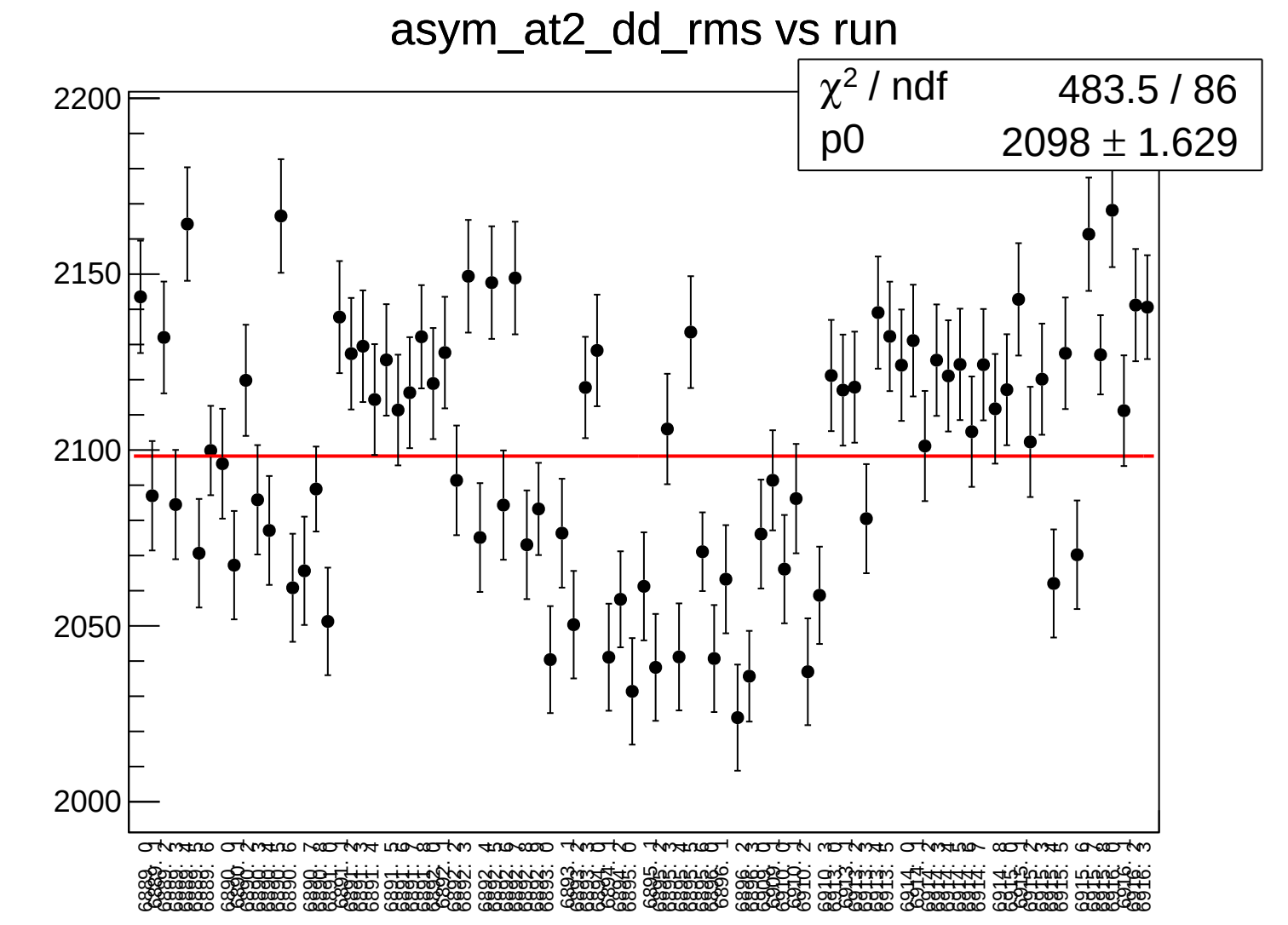

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 73.97 / 86
p0 −1221 ± 4122
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −2638
Std Dev 2673
2
1
0
−1
−2

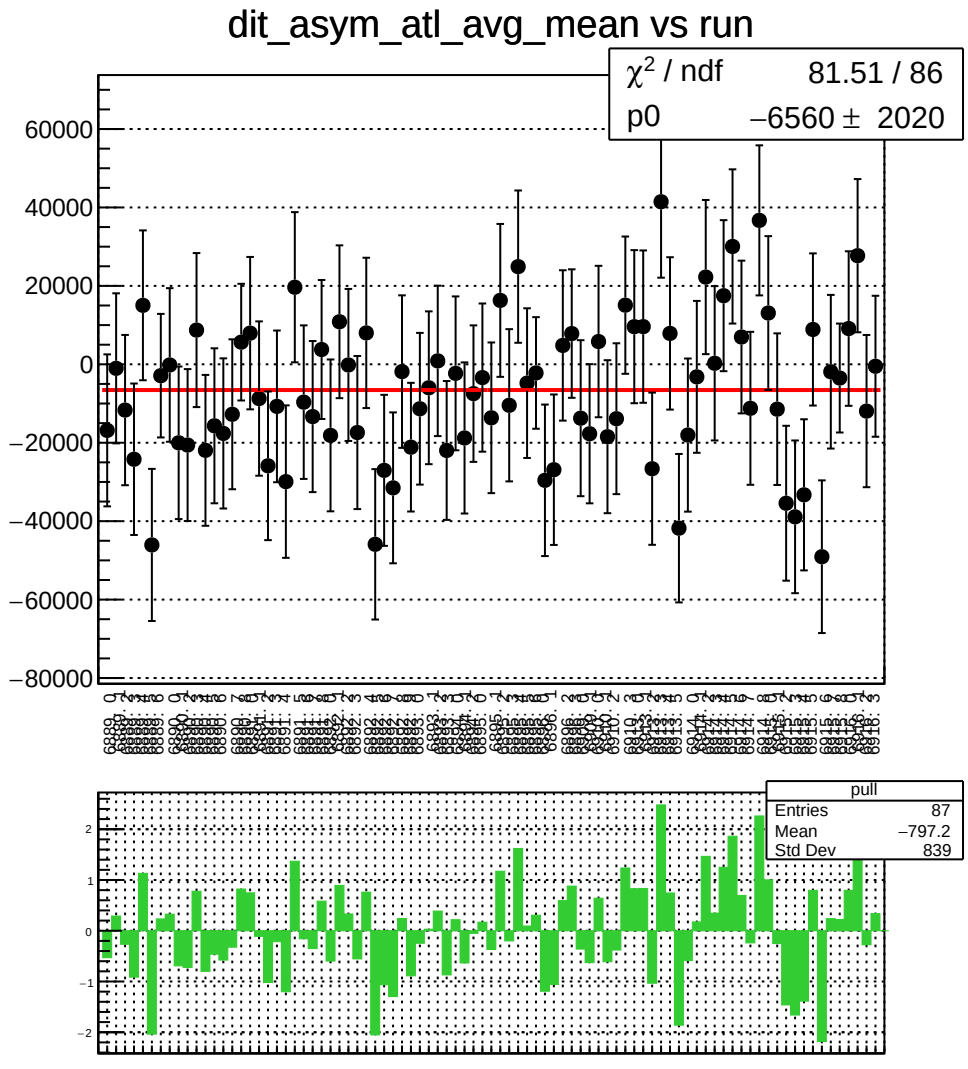

pull1D
Entries 87
Mean −0.00113
Std Dev 0.9221
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

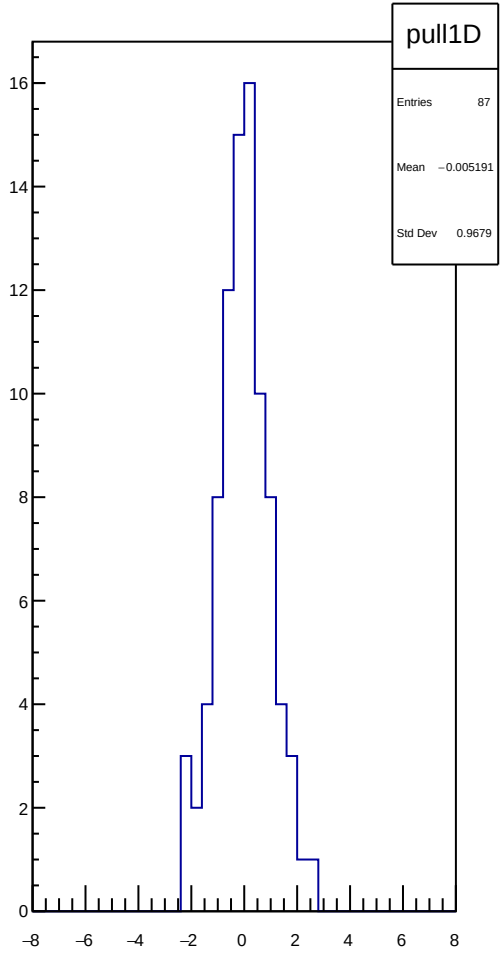

asym_at2_dd_correction_rms vs run
χ^2 / ndf 328 / 86
p0 3754 ± 2.915
3900
3850
3800
3750
3700
3650

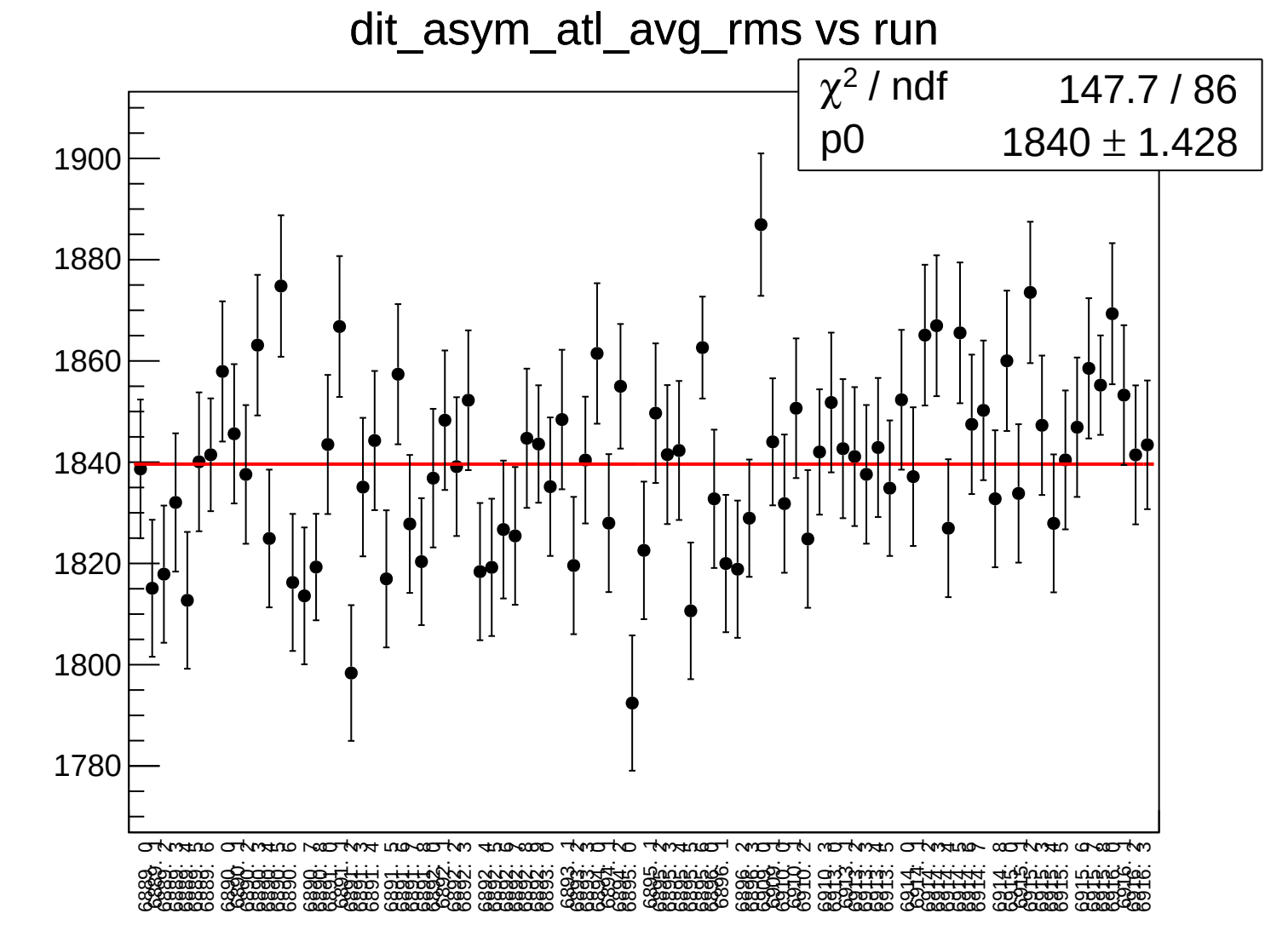

asym_at2_dd_mean vs run
χ² / ndf 71.57 / 86
p0 1024 ± 2304
pull
Entries 87
Mean −7945
Std Dev 7983

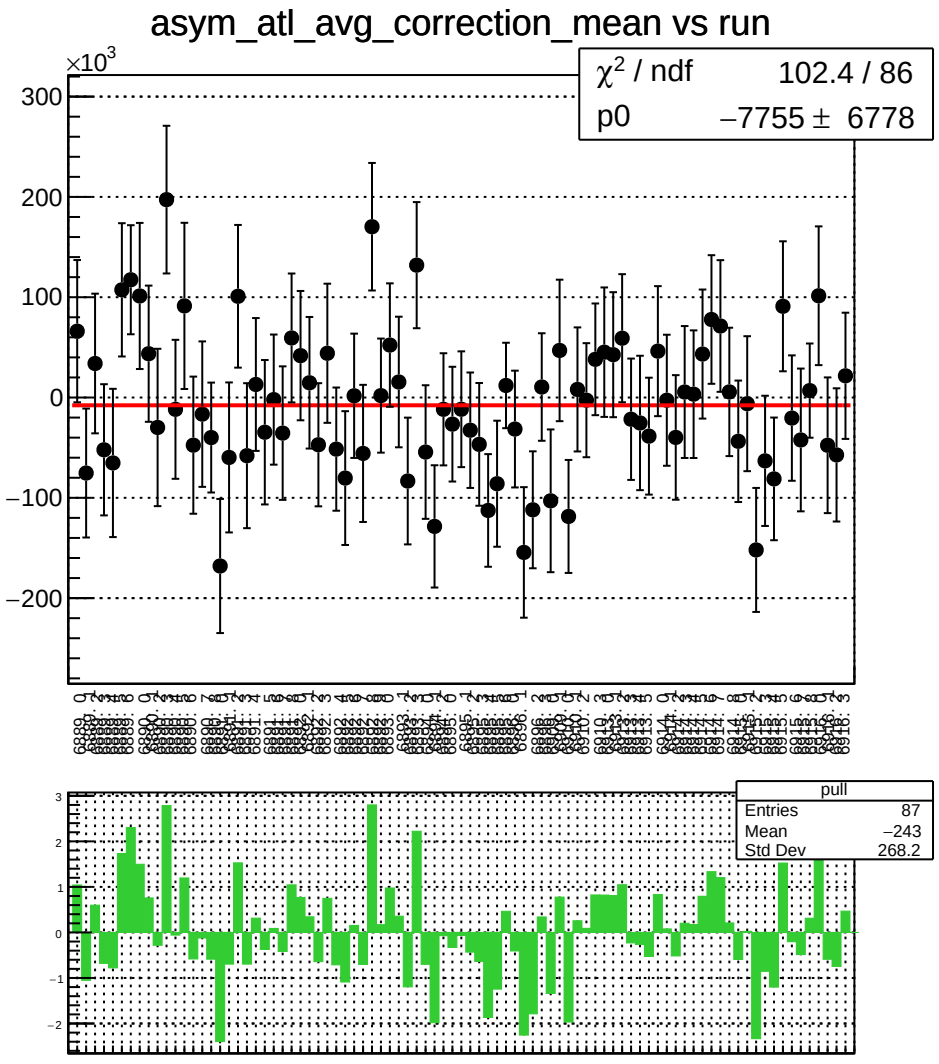

pull1D
Entries 87
Mean 0.000498
Std Dev 0.907

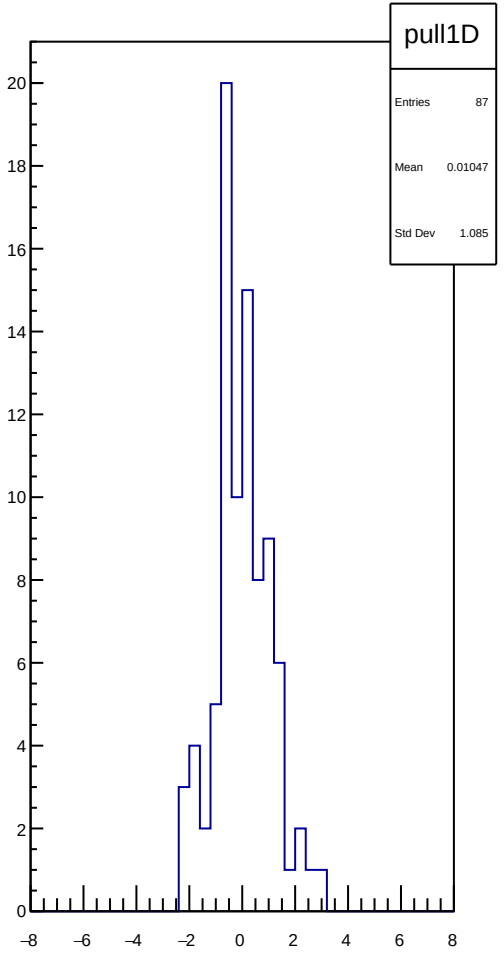

asym_at2_dd_rms vs run
χ^2 / ndf 483.5 / 86
p0 2098 ± 1.629
2200
2150
2100
2050
2000

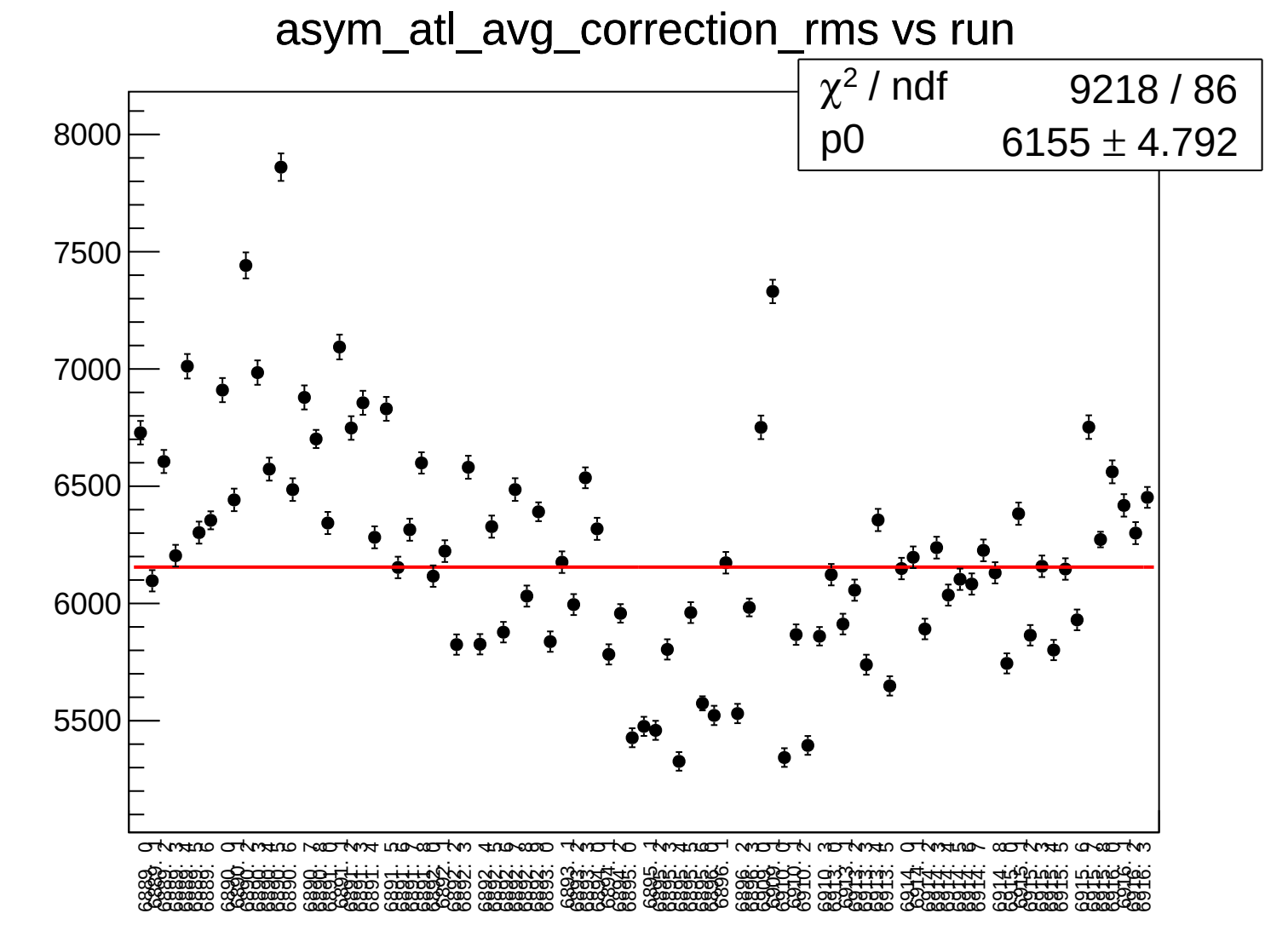

dit_asym_atl_avg_mean vs run
χ² / ndf 81.51 / 86
p0 −6560 ± 2020
pull
Entries 87
Mean −797.2
Std Dev 839

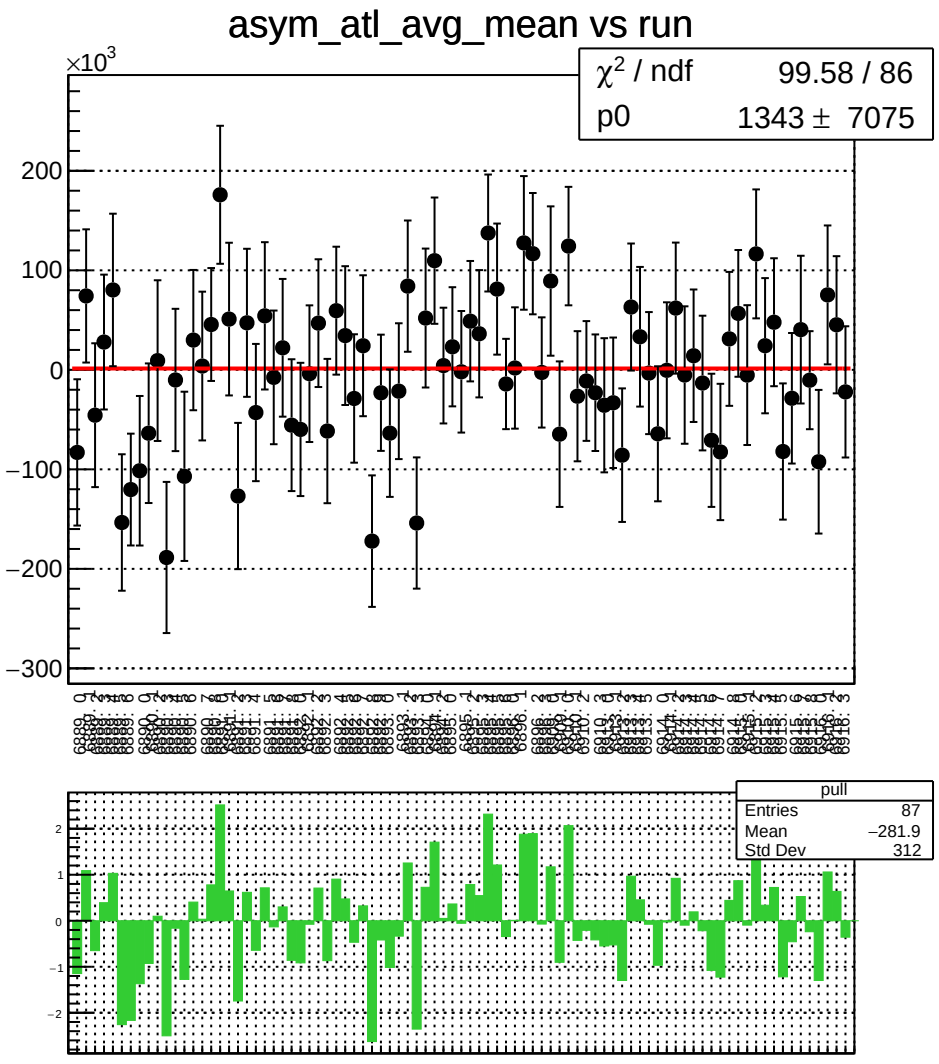

pull1D
Entries 87
Mean −0.005191
Std Dev 0.9679

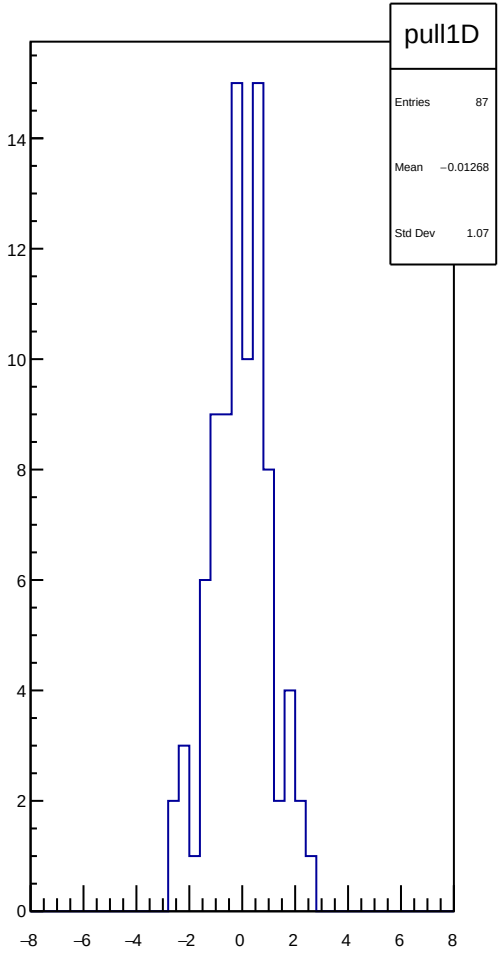

dit_asym_atl_avg_rms vs run
χ² / ndf 147.7 / 86
p0 1840 ± 1.428
1900
1880
1860
1840
1820
1800
1780

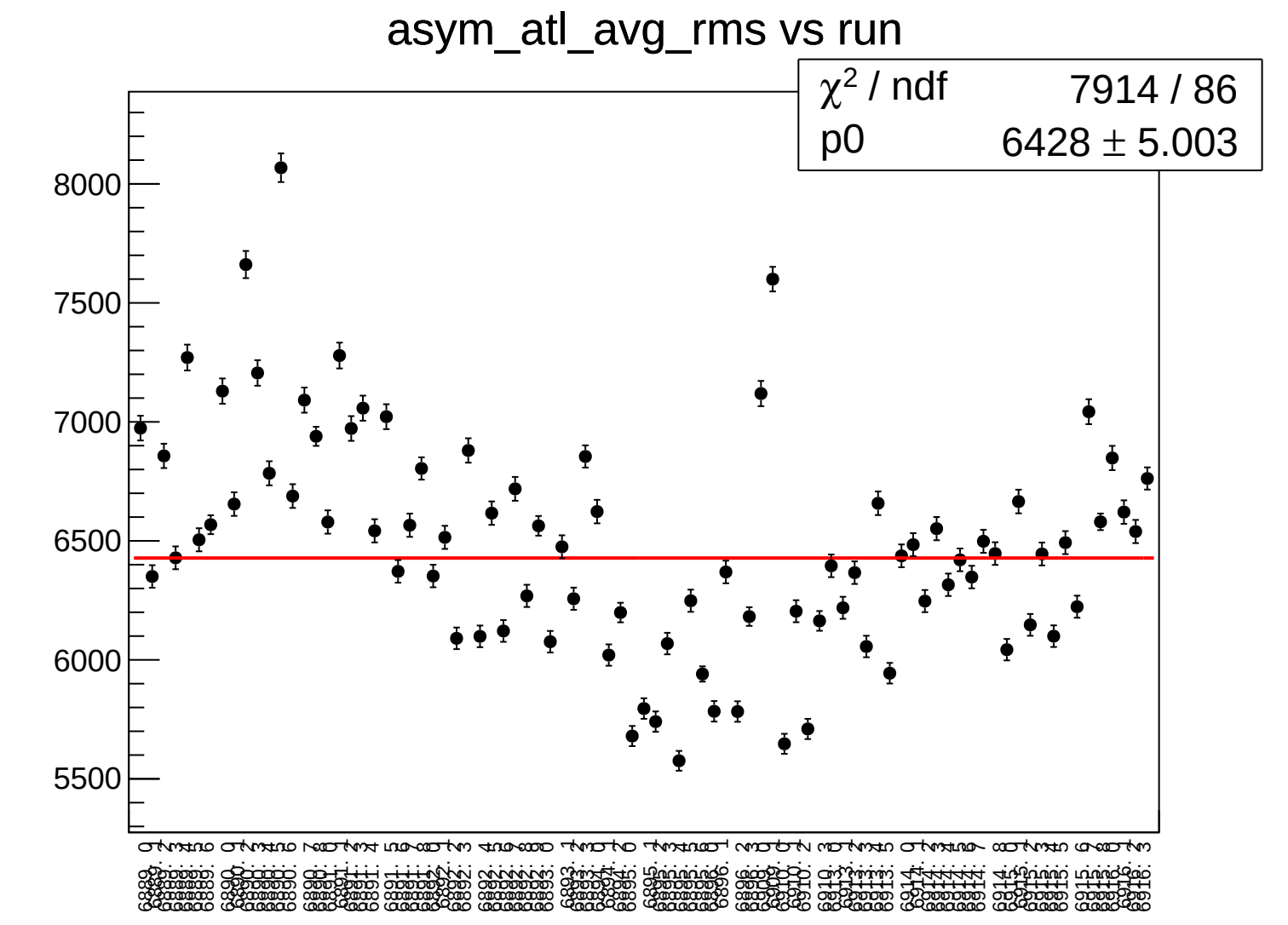

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 102.4 / 86
p0 −7755 ± 6778
300
200
100
0
−100
−200
pull
Entries 87
Mean −243
Std Dev 268.2
3
2
1
0
−1
−2

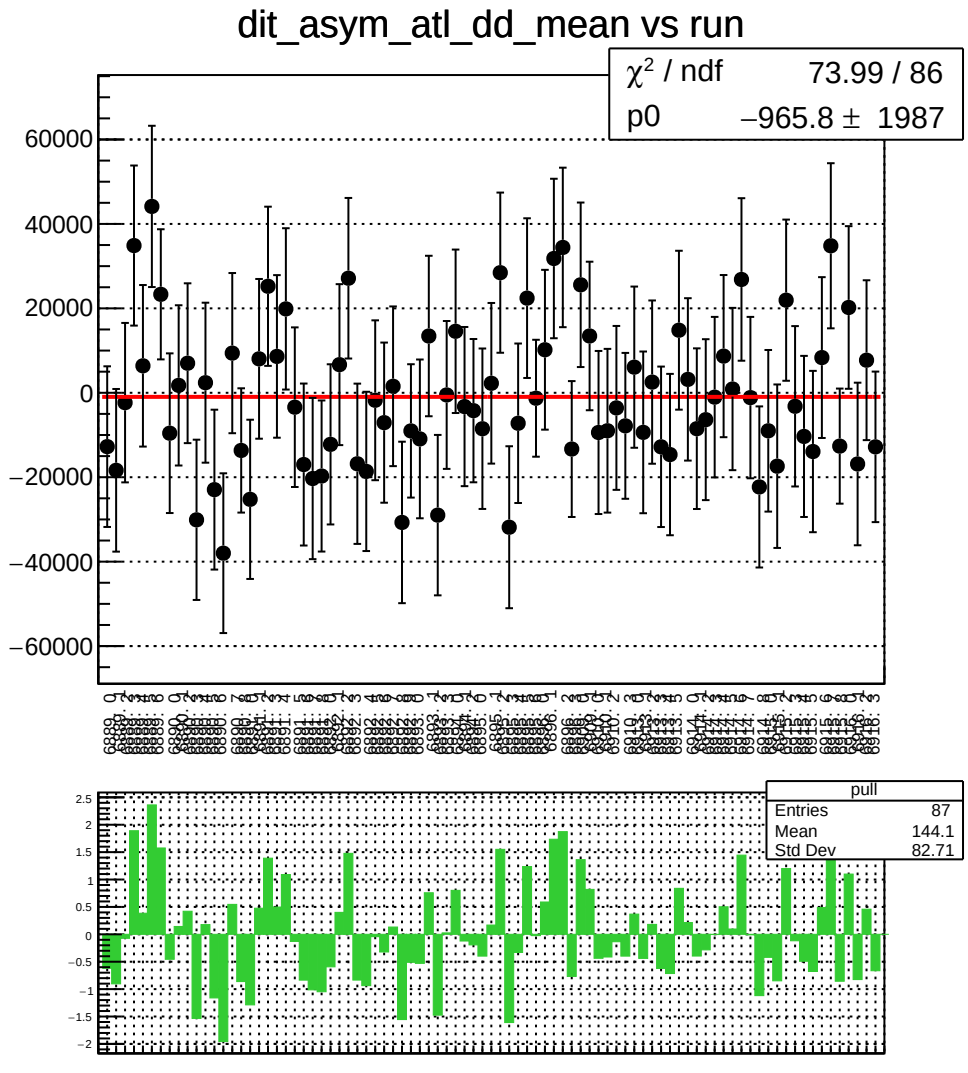

pull1D
Entries 87
Mean 0.01047
Std Dev 1.085
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

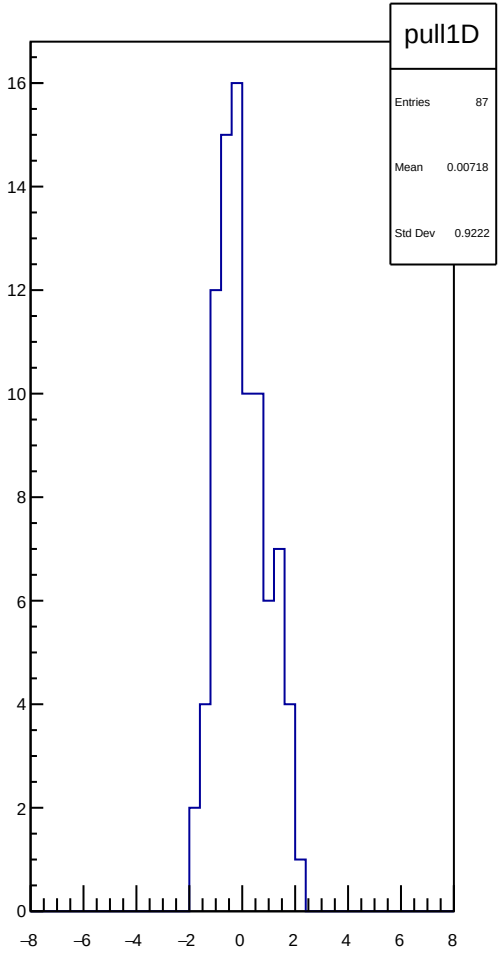

asym_atl_avg_correction_rms vs run
χ^2 / ndf 9218 / 86
p0 6155 ± 4.792
8000
7500
7000
6500
6000
5500

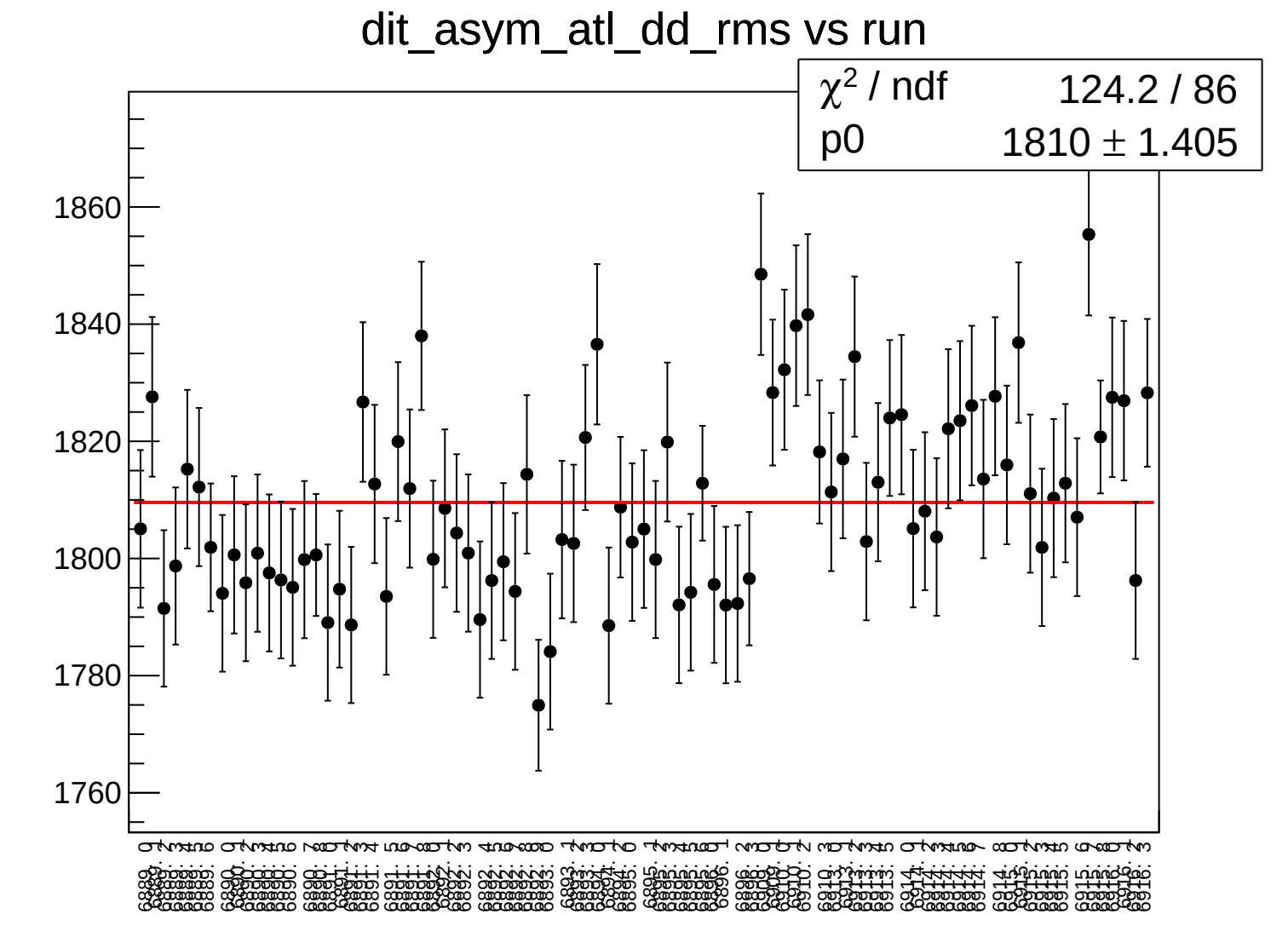

asym_atl_avg_mean vs run
×10^3
χ² / ndf 99.58 / 86
p0 1343 ± 7075
200
100
0
−100
−200
−300
pull
Entries 87
Mean −281.9
Std Dev 312
2
1
0
−1
−2

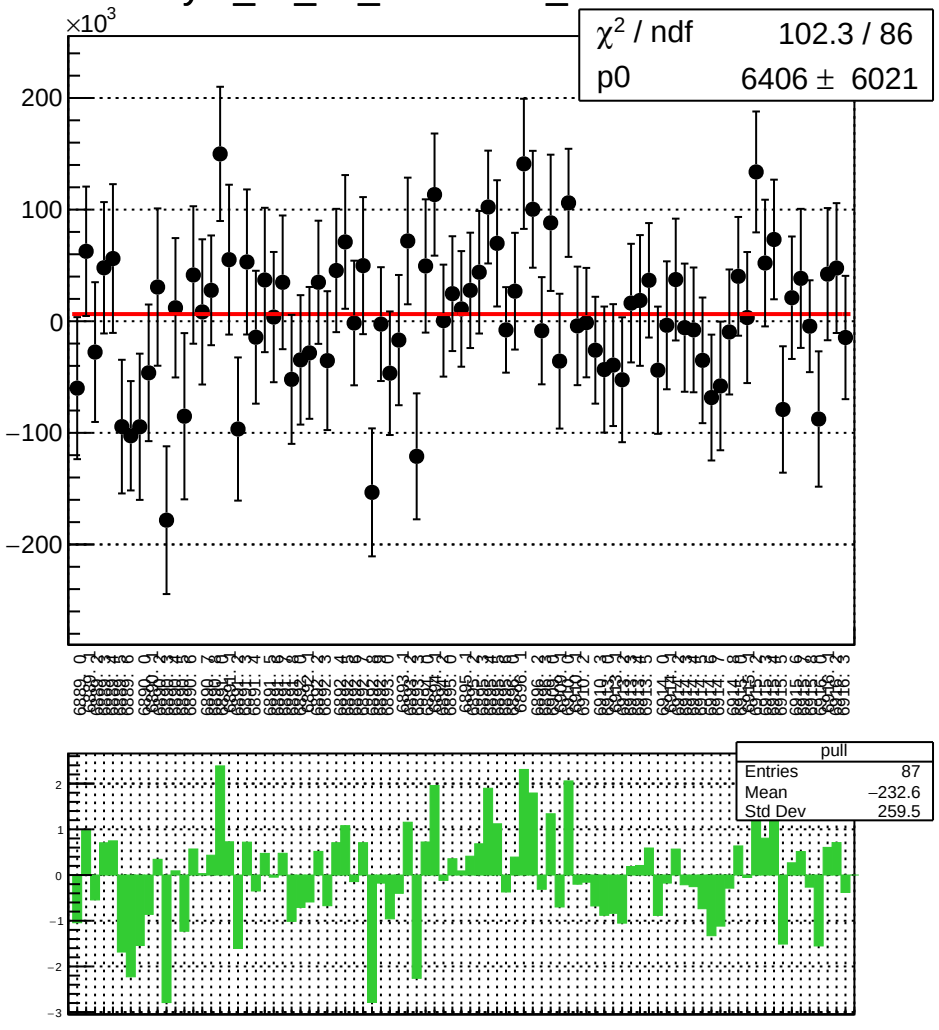

pull1D
Entries 87
Mean −0.01268
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

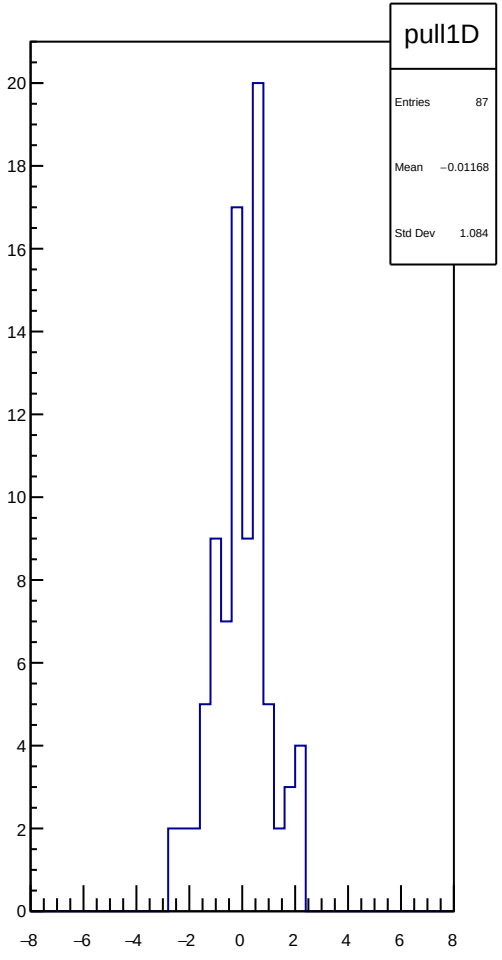

asym_atl_avg_rms vs run
χ² / ndf 7914 / 86
p0 6428 ± 5.003
8000
7500
7000
6500
6000
5500

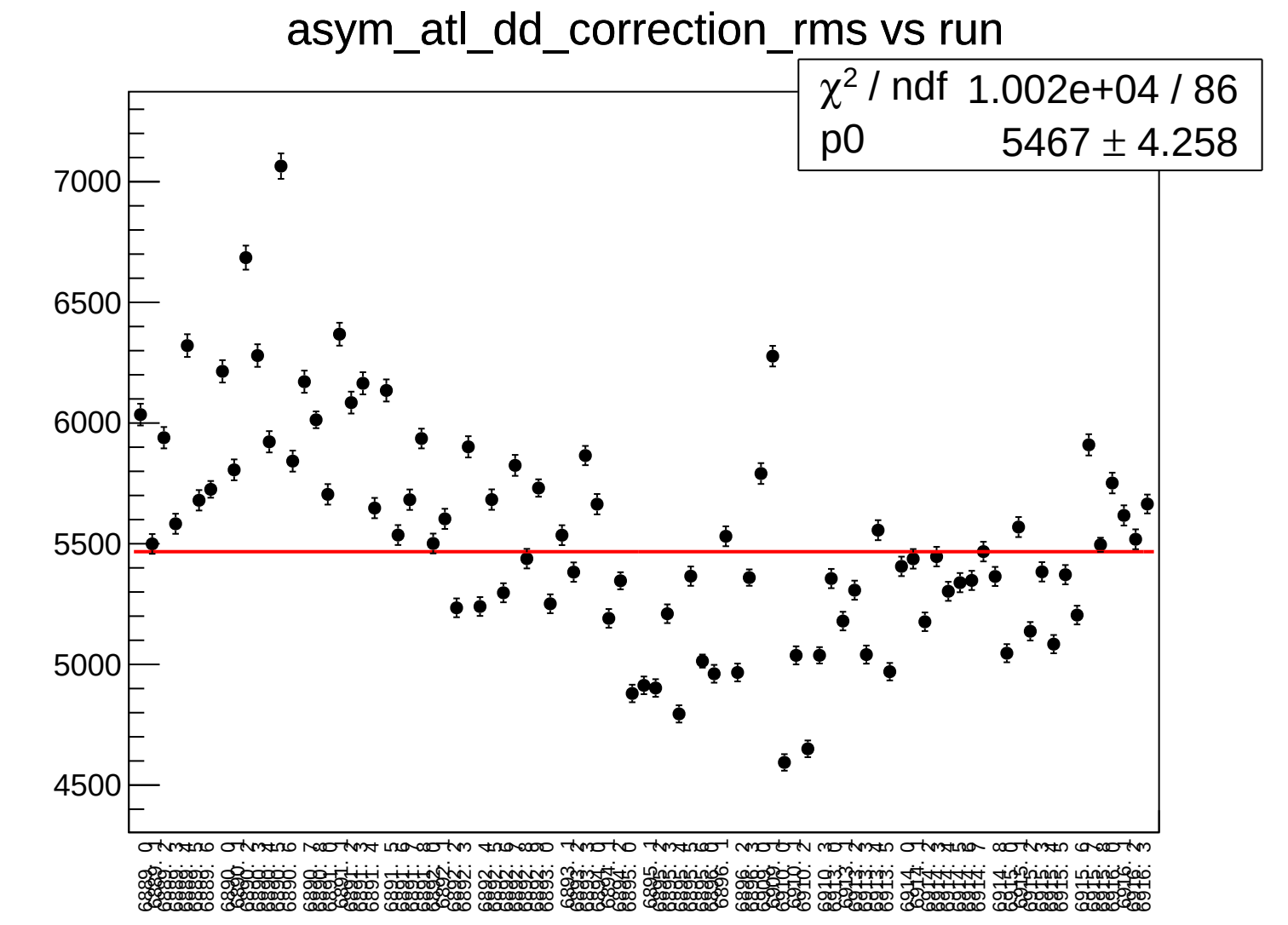

dit_asym_atl_dd_mean vs run
χ² / ndf 73.99 / 86
p0 −965.8 ± 1987
pull
Entries 87
Mean 144.1
Std Dev 82.71

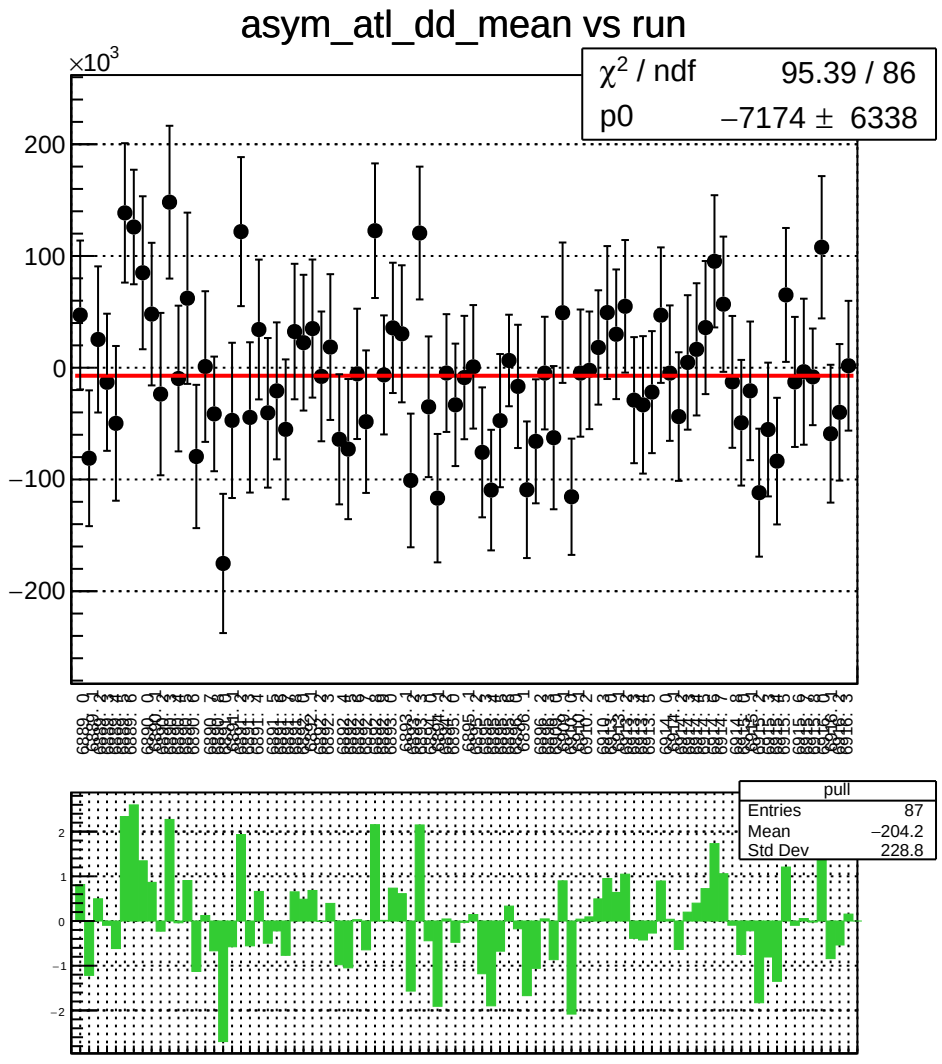

pull1D
Entries 87
Mean 0.00718
Std Dev 0.9222

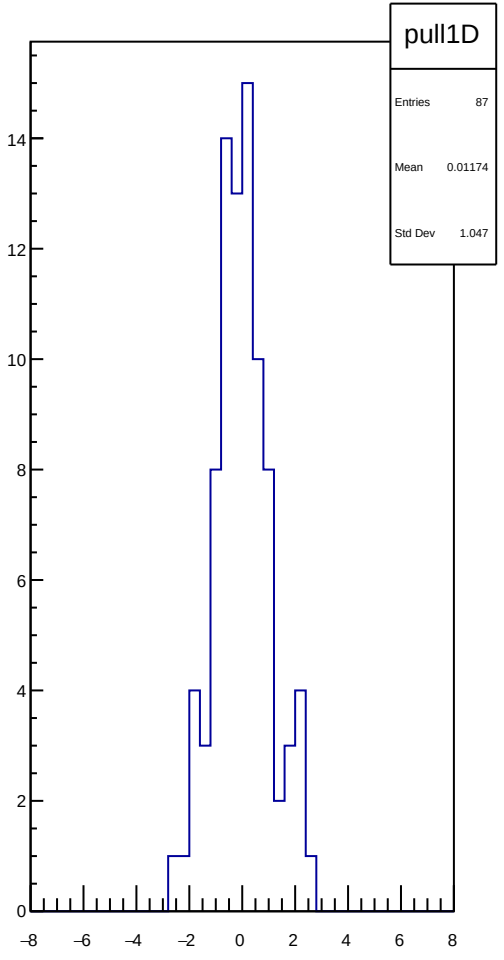

dit_asym_atl_dd_rms vs run
χ^2 / ndf 124.2 / 86
p0 1810 ± 1.405
1860
1840
1820
1800
1780
1760

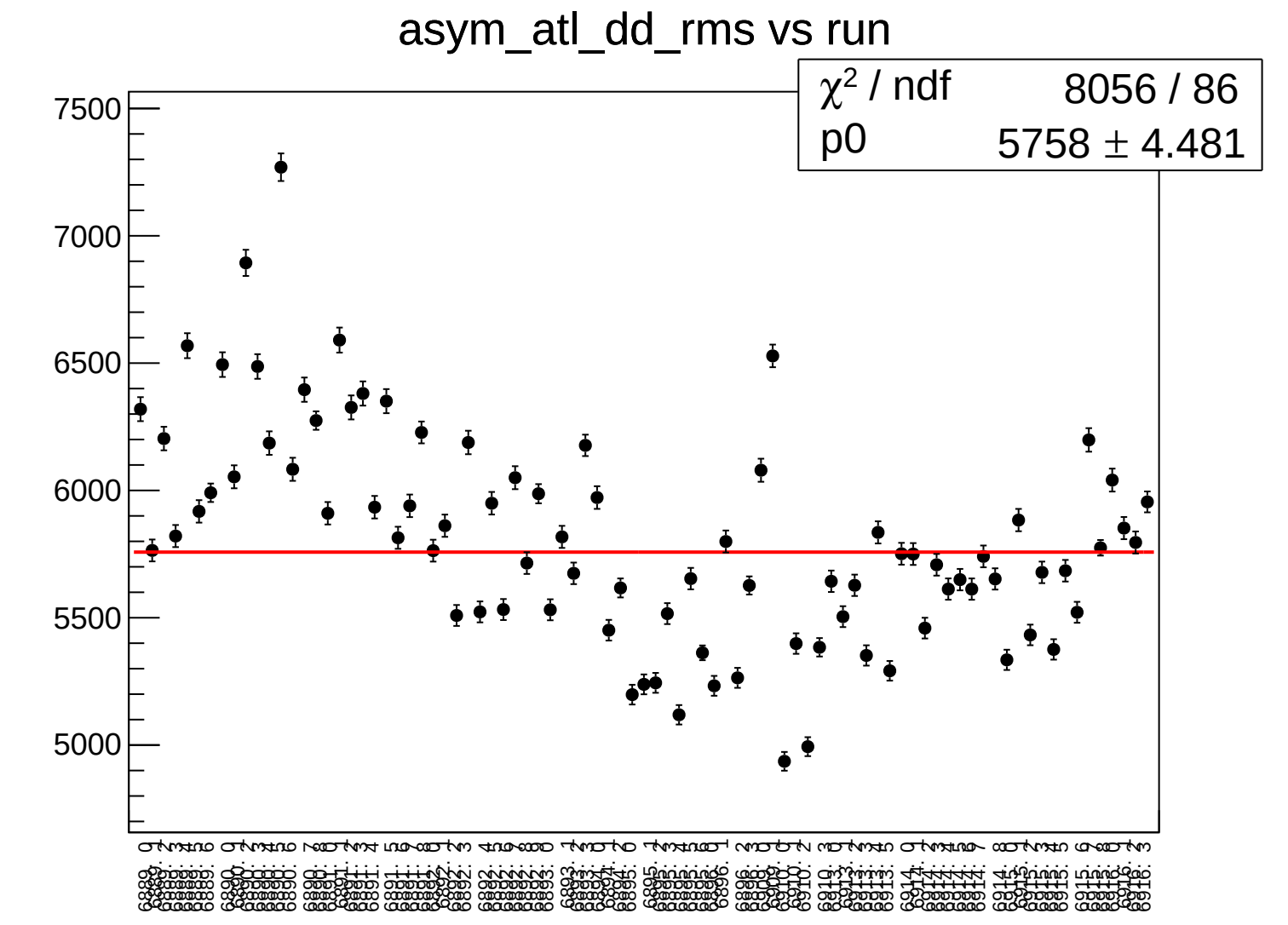

asym_atl_dd_correction_mean vs run
χ² / ndf 102.3 / 86
p0 6406 ± 6021
pull
Entries 87
Mean −232.6
Std Dev 259.5

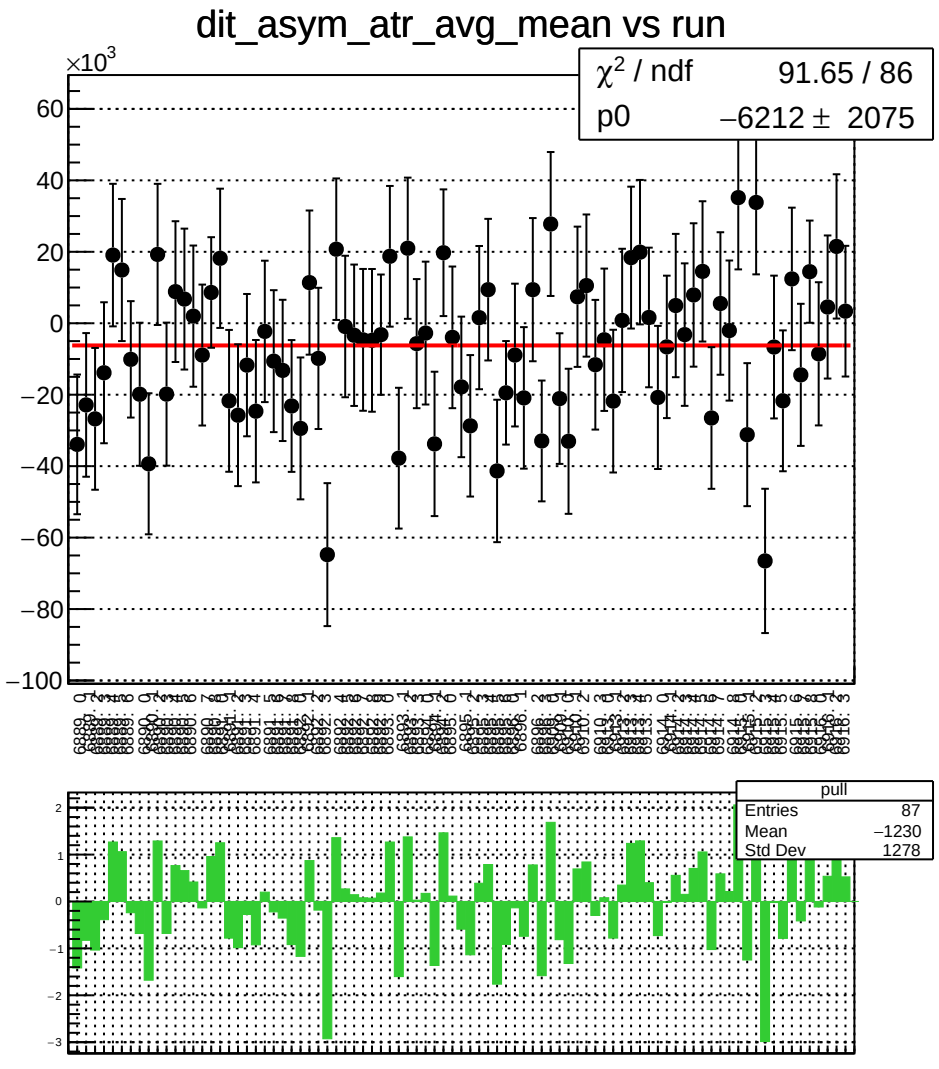

pull1D
Entries 87
Mean −0.01168
Std Dev 1.084

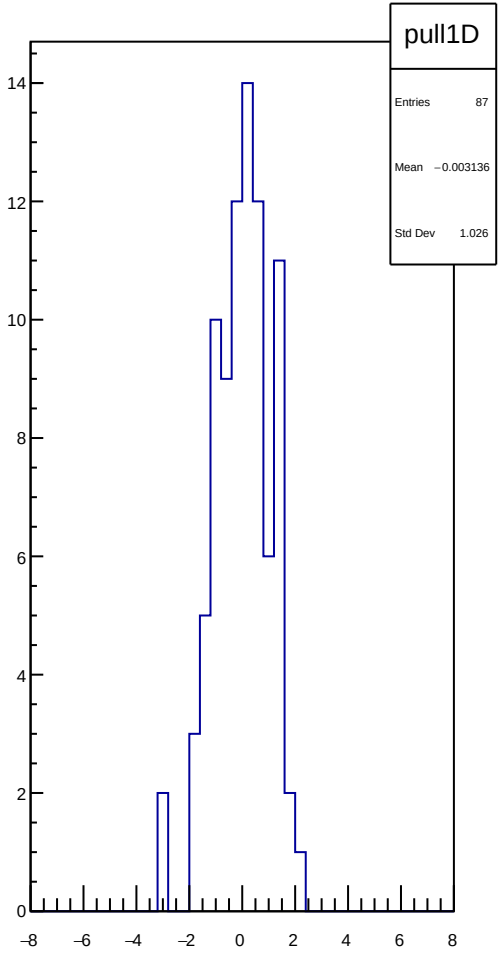

asym_atl_dd_correction_rms vs run
χ² / ndf 1.002e+04 / 86
p0 5467 ± 4.258
7000
6500
6000
5500
5000
4500

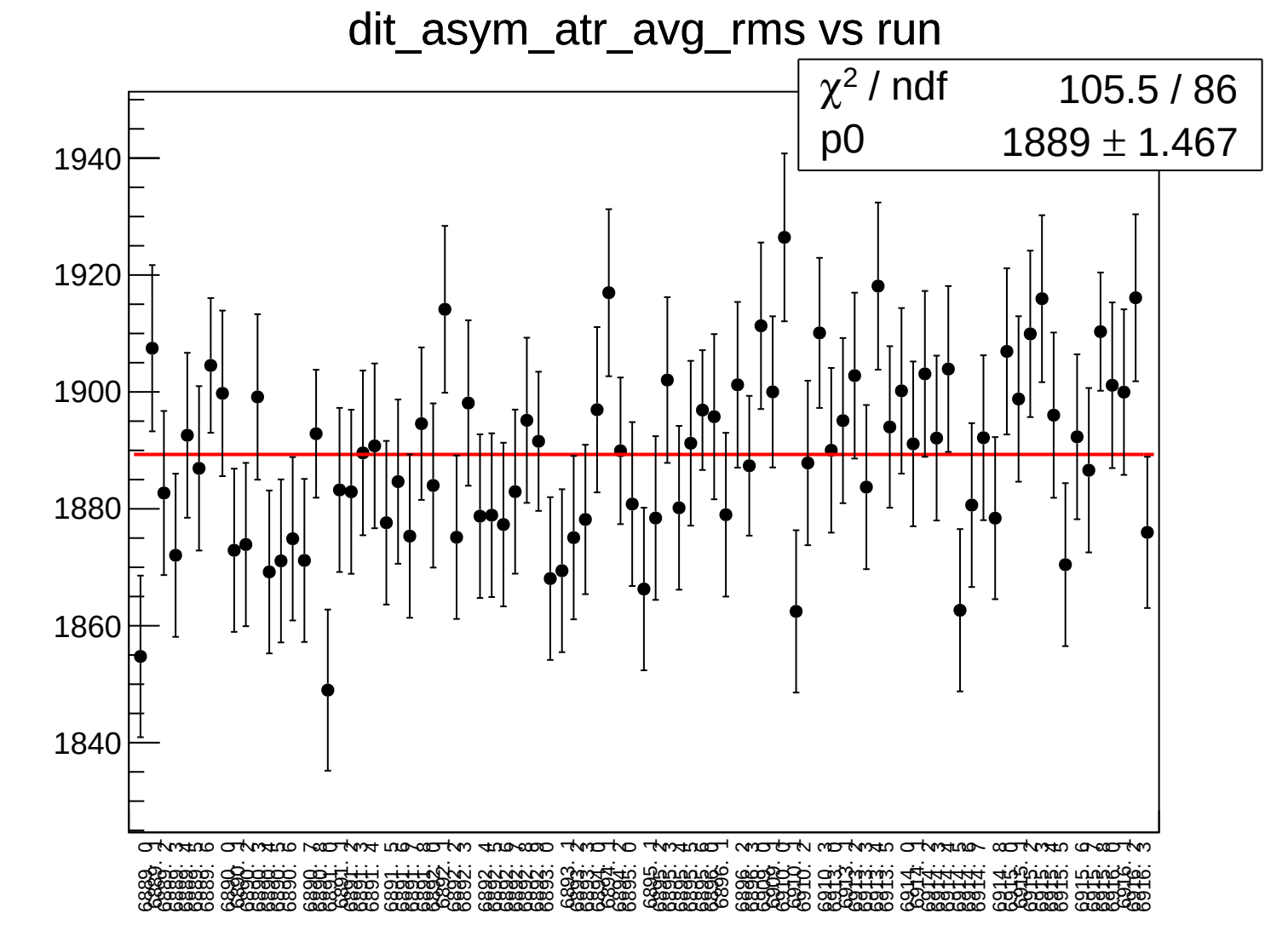

asym_atl_dd_mean vs run
×10^3
χ² / ndf 95.39 / 86
p0 −7174 ± 6338
200
100
0
−100
−200
pull
Entries 87
Mean −204.2
Std Dev 228.8
2
1
0
−1
−2

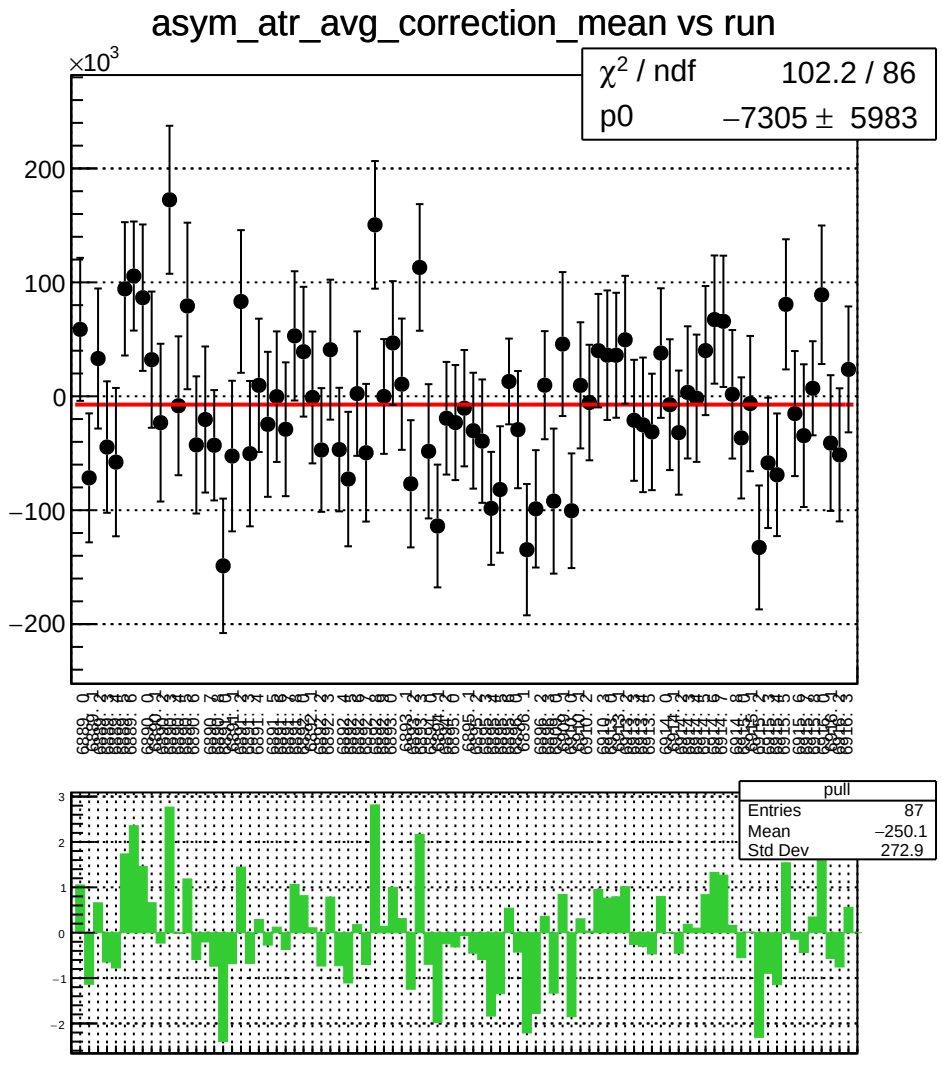

pull1D
Entries 87
Mean 0.01174
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

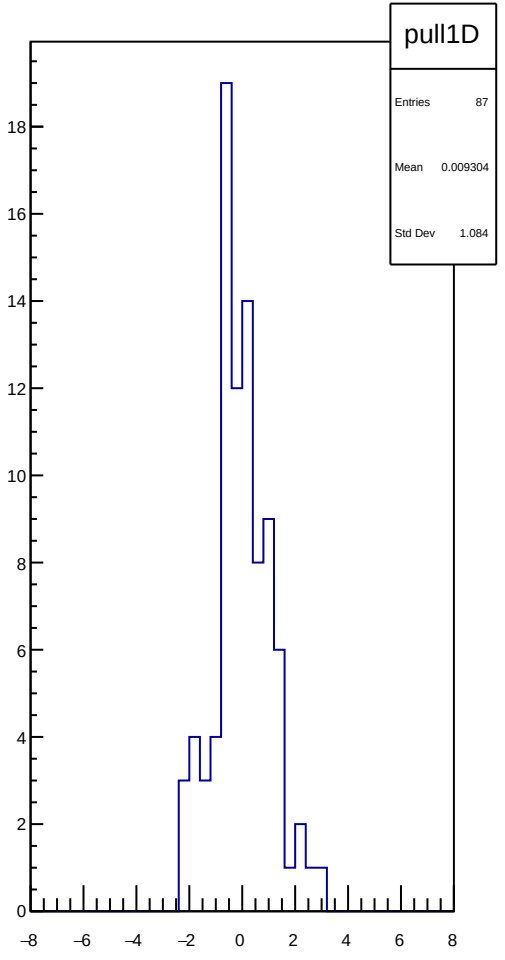

asym_atl_dd_rms vs run
χ^2 / ndf 8056 / 86
p0 5758 ± 4.481
7500
7000
6500
6000
5500
5000

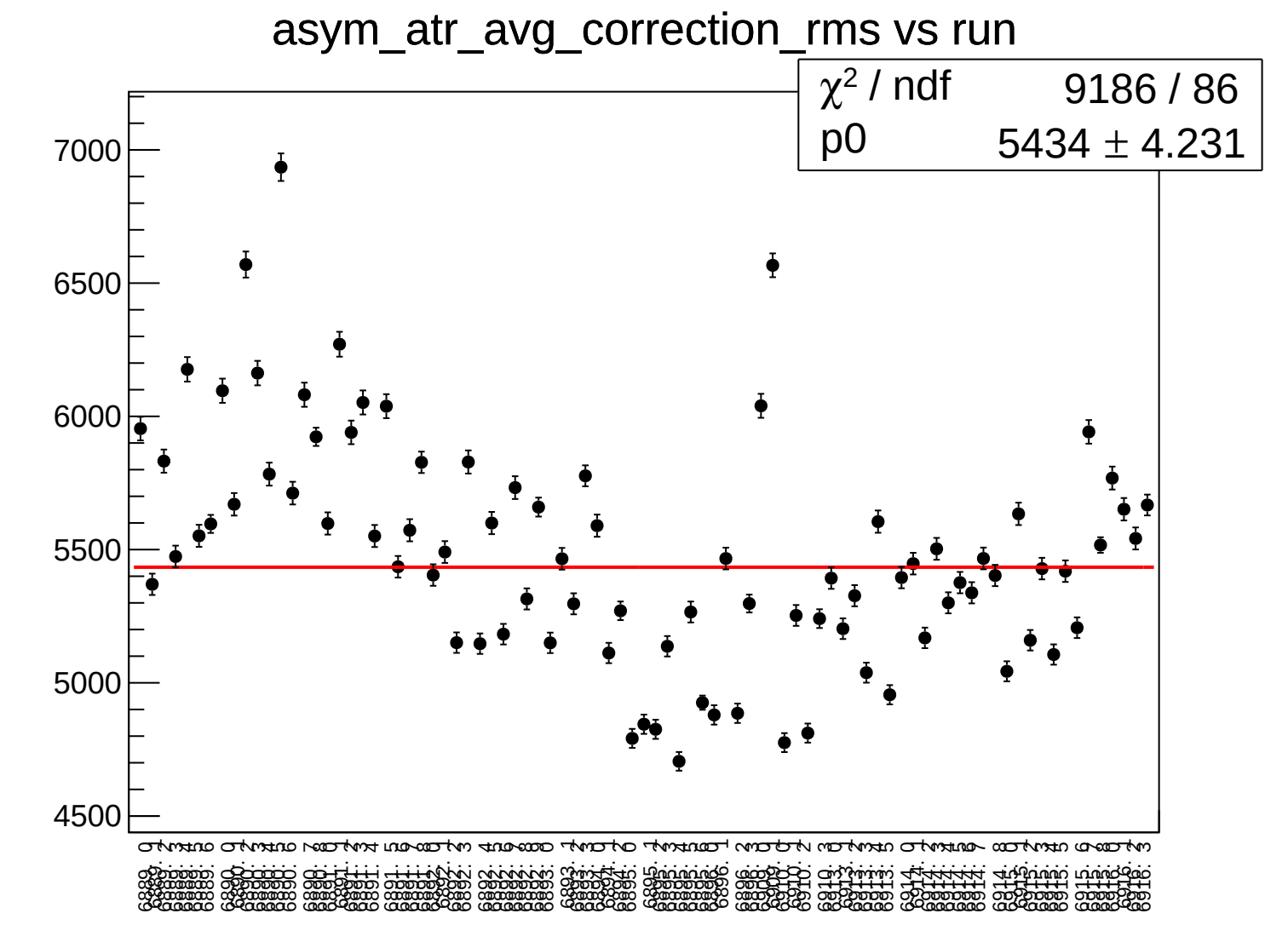

dit_asym_atr_avg_mean vs run
χ² / ndf 91.65 / 86
p0 −6212 ± 2075
pull
Entries 87
Mean −1230
Std Dev 1278

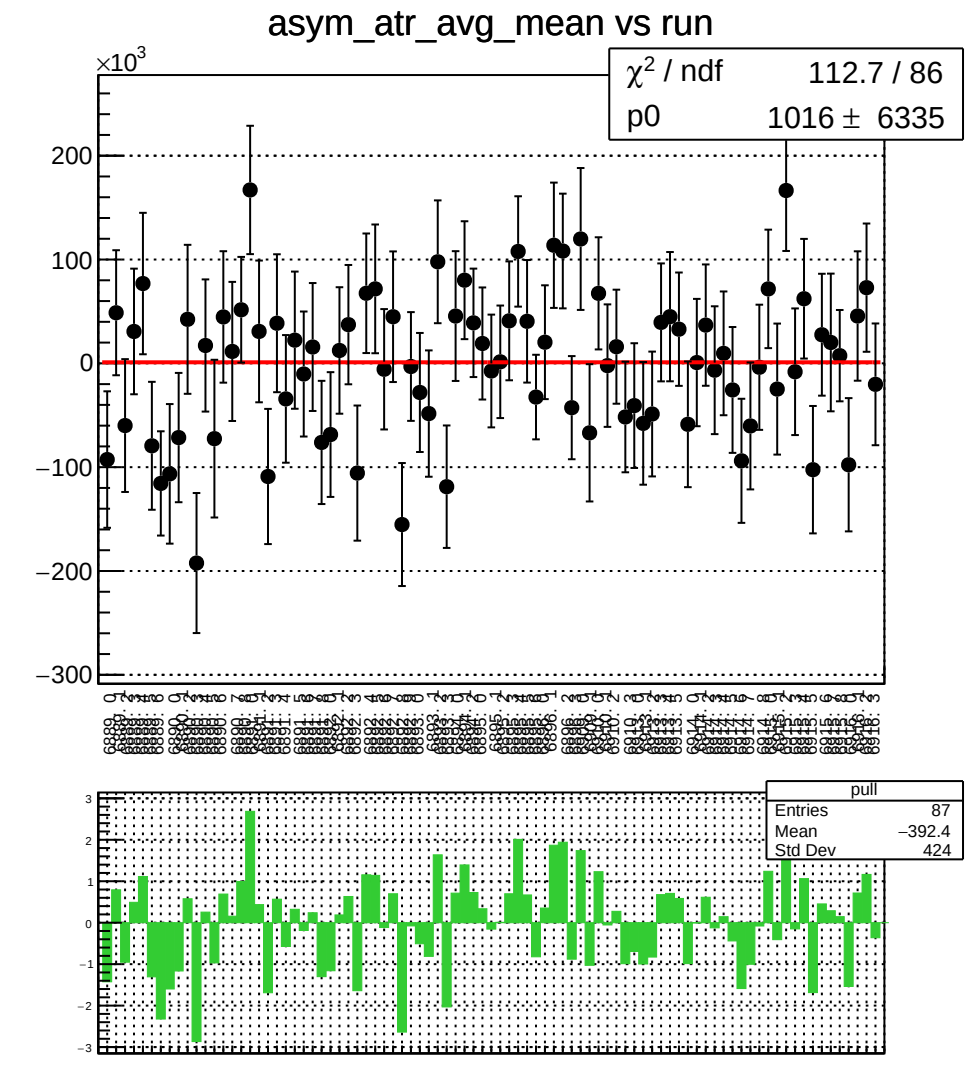

pull1D
Entries 87
Mean −0.003136
Std Dev 1.026

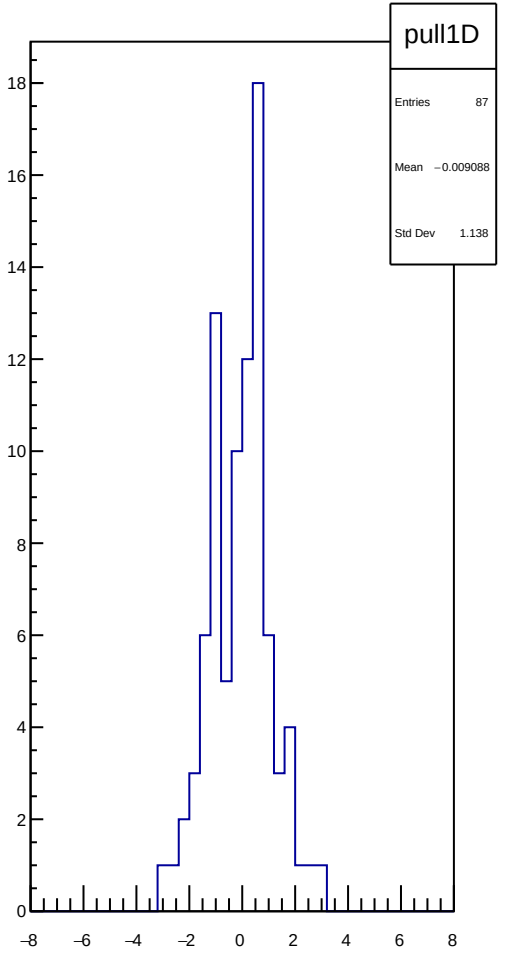

dit_asym_atr_avg_rms vs run
χ² / ndf 105.5 / 86
p0 1889 ± 1.467
1940
1920
1900
1880
1860
1840

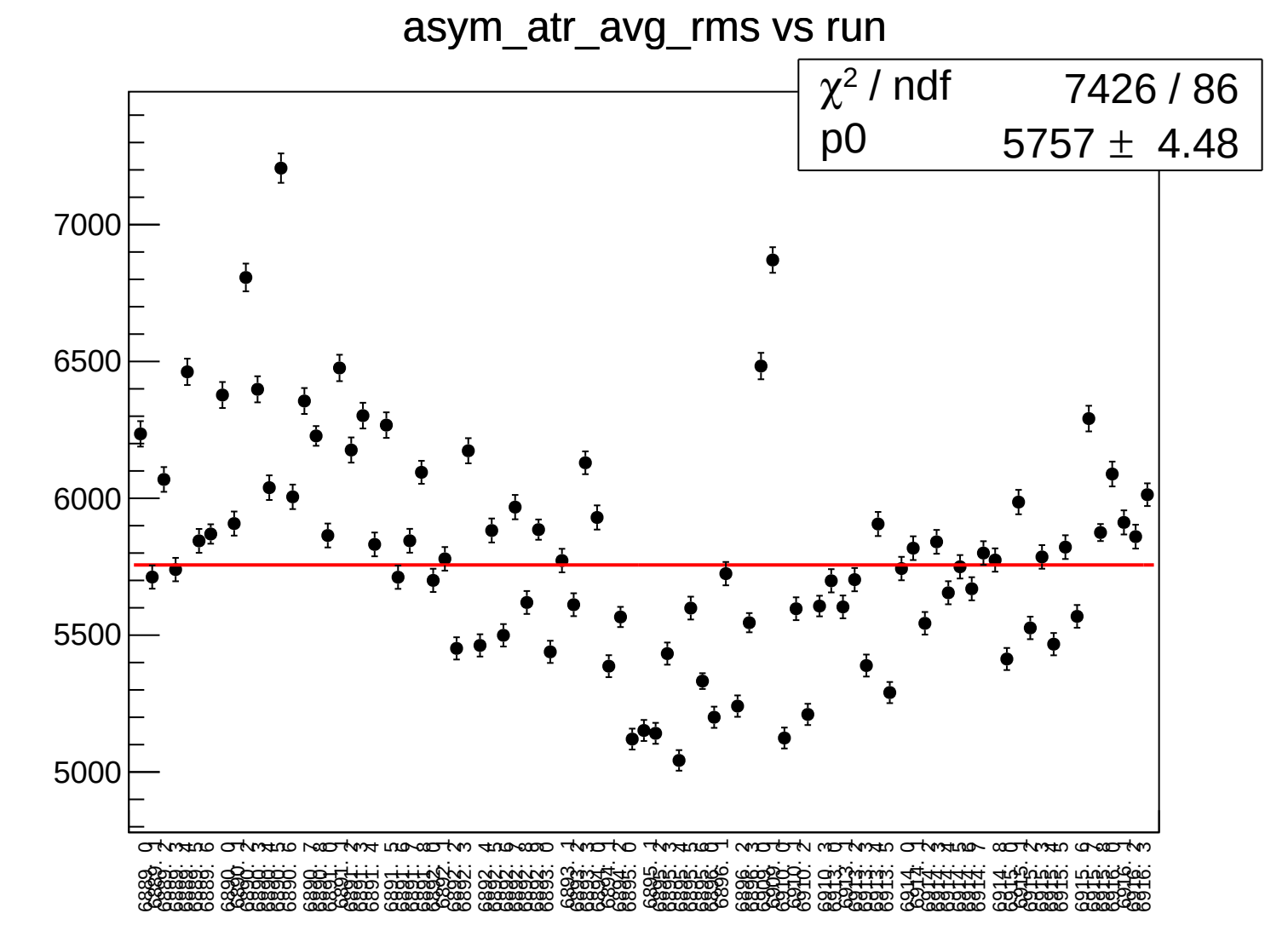

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 102.2 / 86
p0 −7305 ± 5983
200
100
0
−100
−200
pull
Entries 87
Mean −250.1
Std Dev 272.9
3
2
1
0
−1
−2

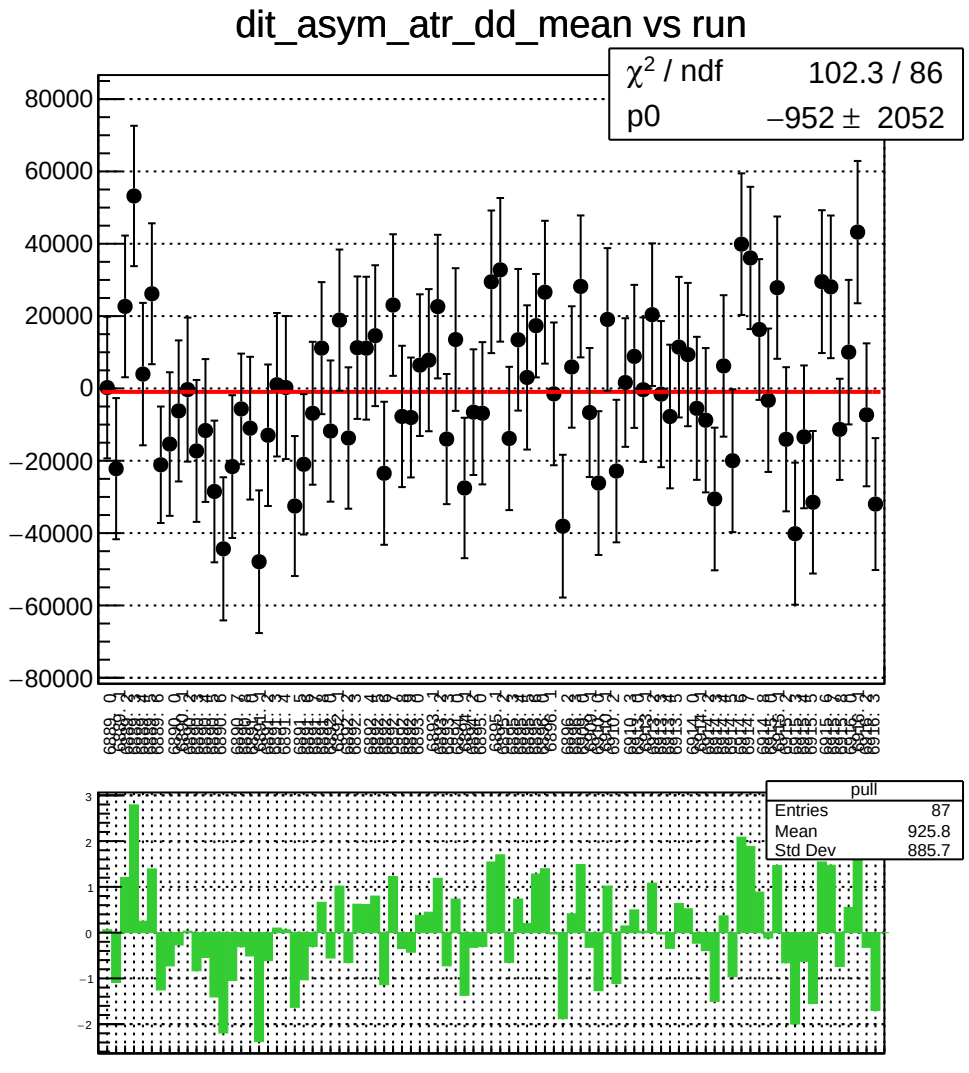

pull1D
Entries 87
Mean 0.009304
Std Dev 1.084
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

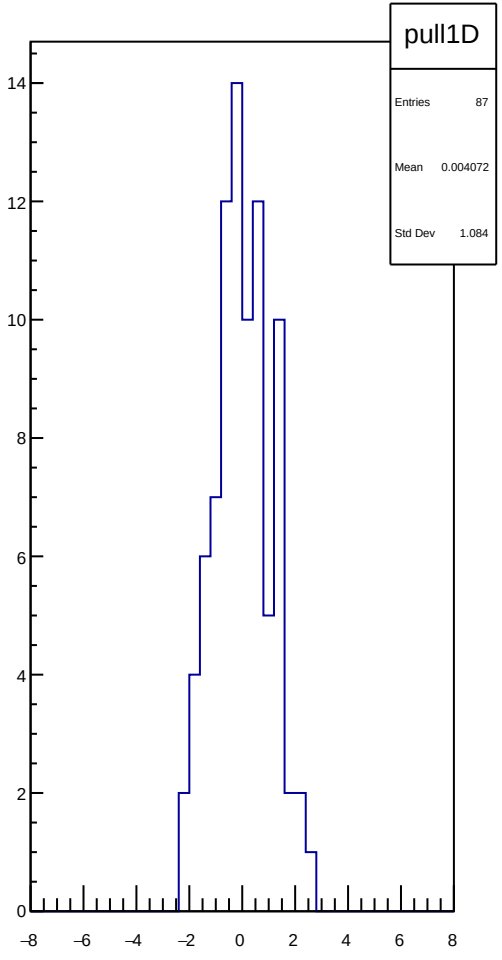

asym_atr_avg_correction_rms vs run
χ² / ndf 9186 / 86
p0 5434 ± 4.231
7000
6500
6000
5500
5000
4500

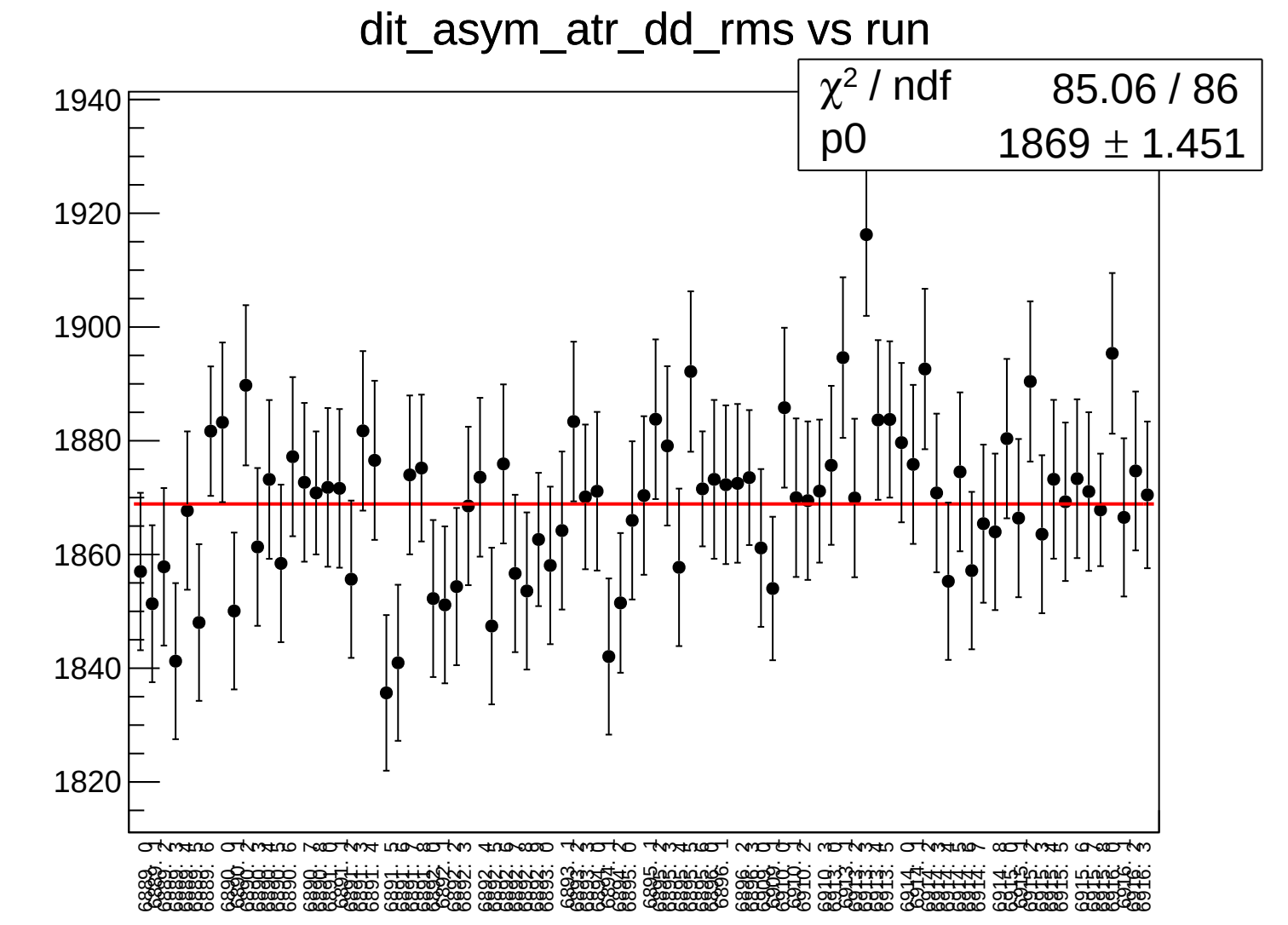

asym_atr_avg_mean vs run
×10^3
χ² / ndf 112.7 / 86
p0 1016 ± 6335
200
100
0
−100
−200
−300
pull
Entries 87
Mean −392.4
Std Dev 424
3
2
1
0
−1
−2
−3

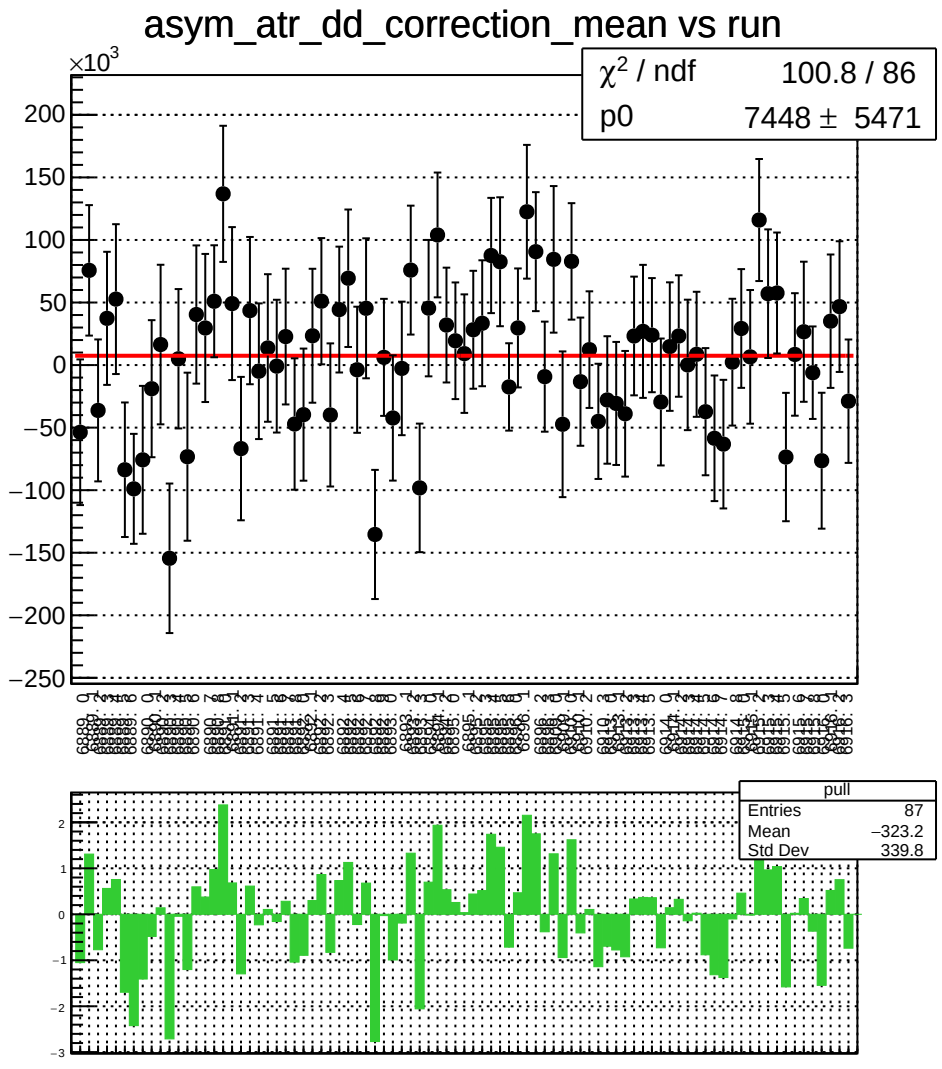

pull1D
Entries 87
Mean −0.009088
Std Dev 1.138
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

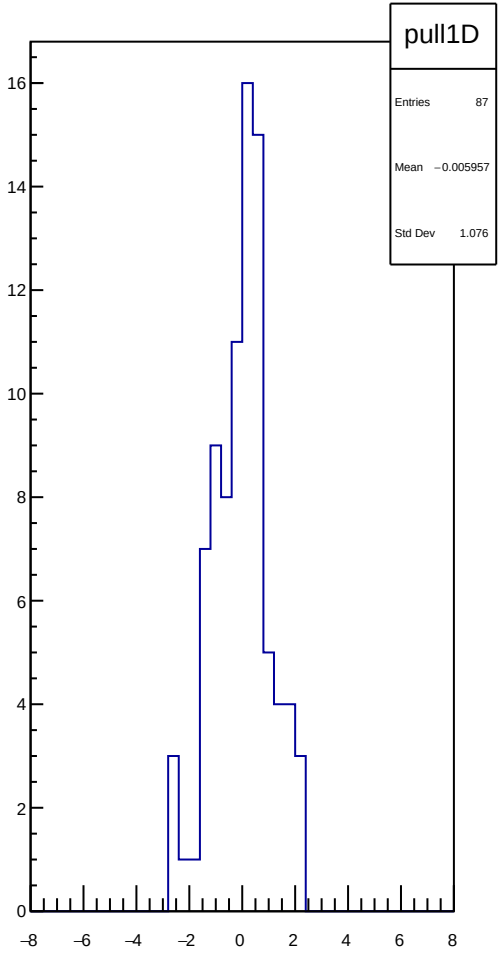

asym_atr_avg_rms vs run
χ² / ndf 7426 / 86
p0 5757 ± 4.48
7000
6500
6000
5500
5000

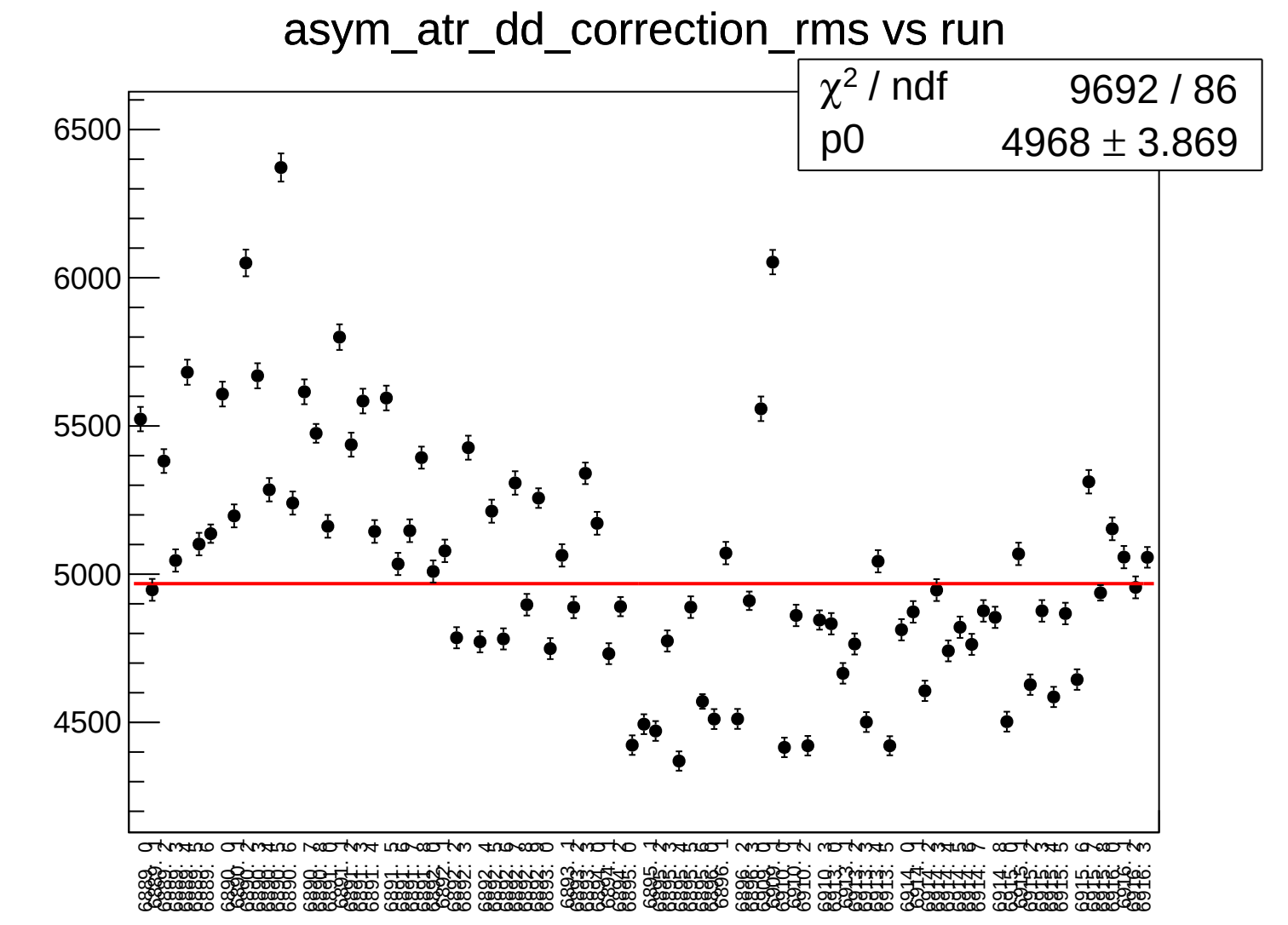

dit_asym_atr_dd_mean vs run
χ² / ndf 102.3 / 86
p0 −952 ± 2052
pull
Entries 87
Mean 925.8
Std Dev 885.7

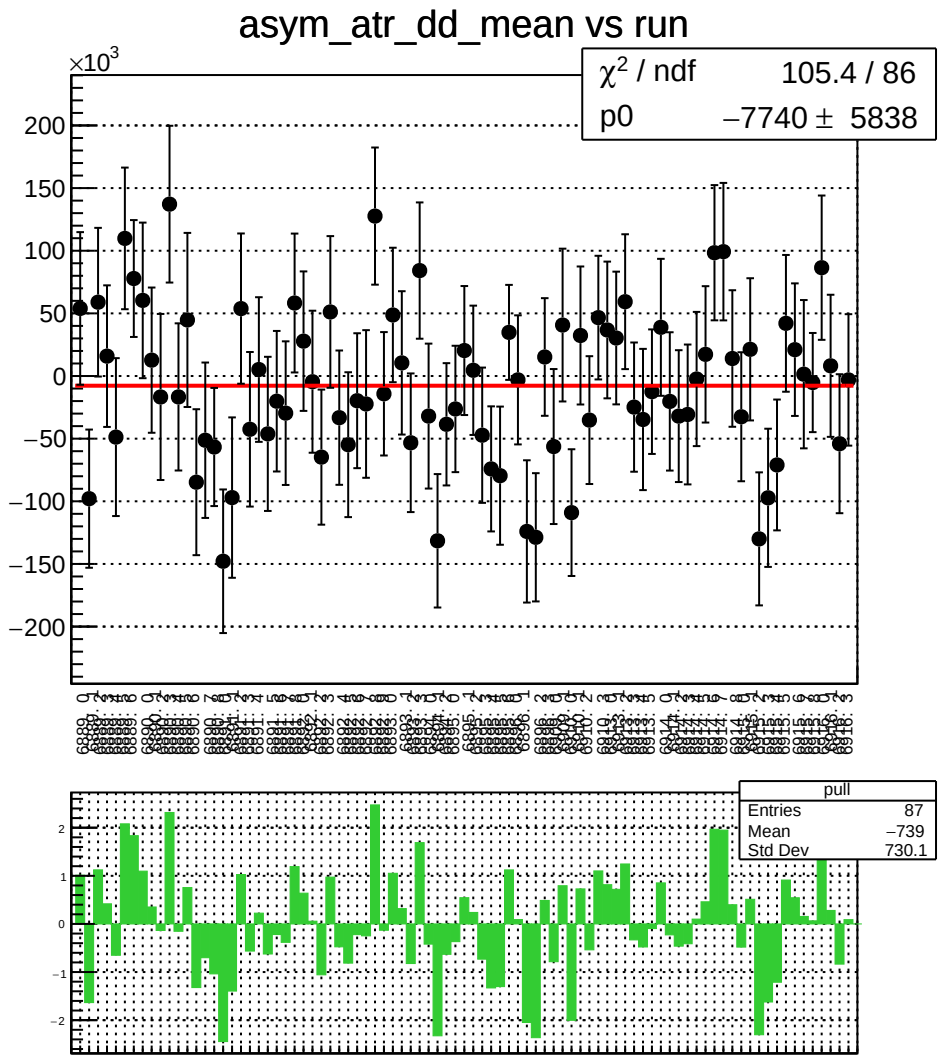

pull1D
Entries 87
Mean 0.004072
Std Dev 1.084

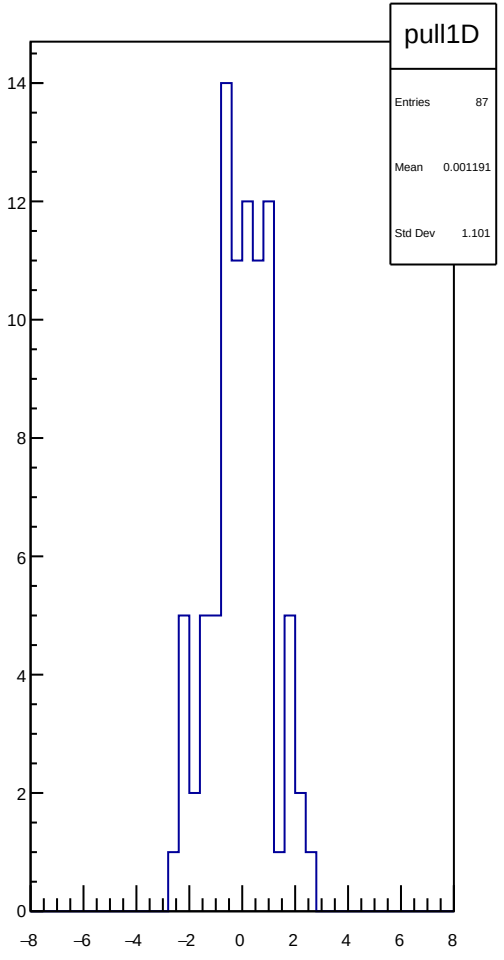

dit_asym_atr_dd_rms vs run
χ^2 / ndf 85.06 / 86
p0 1869 ± 1.451
1940
1920
1900
1880
1860
1840
1820

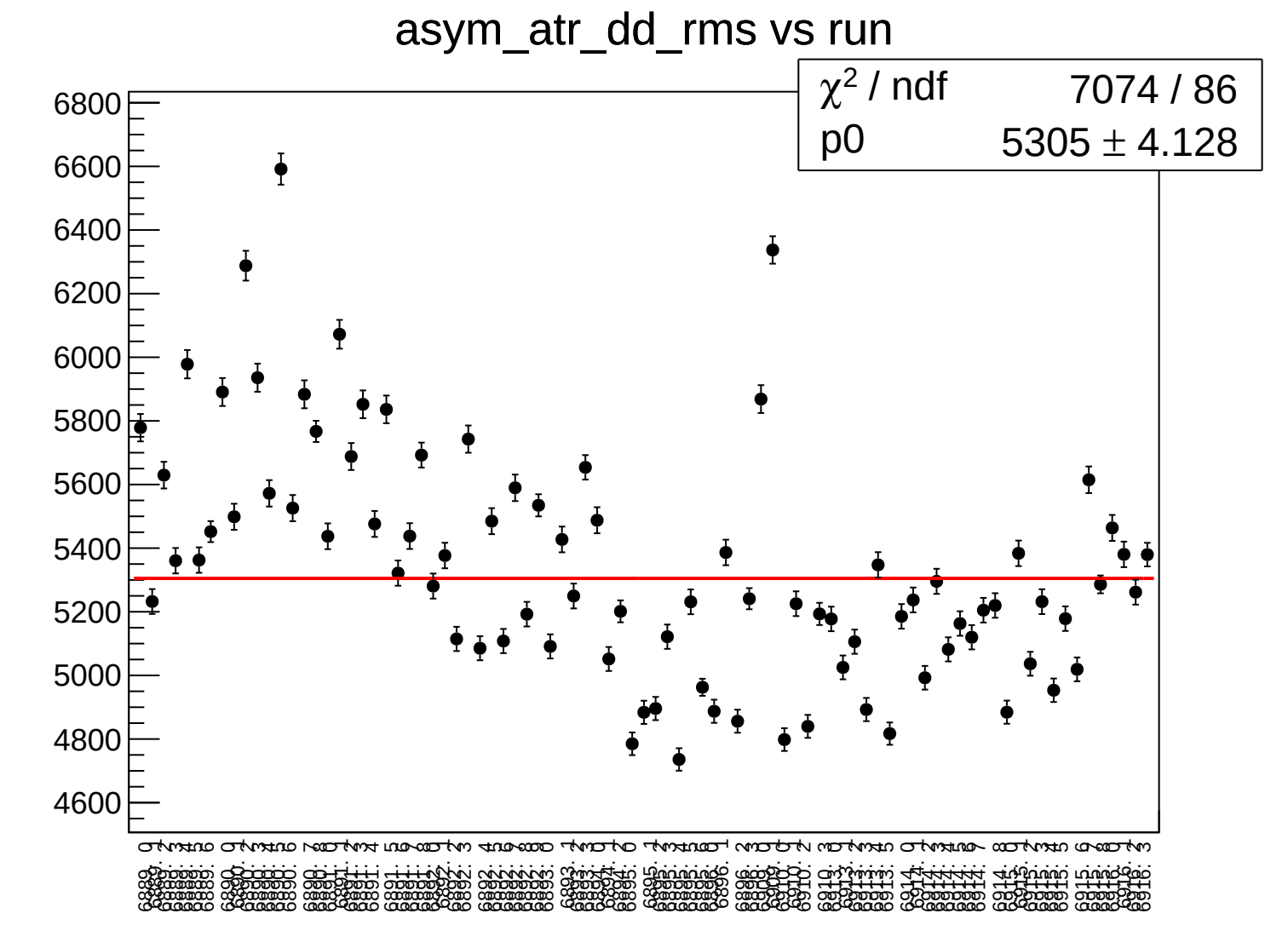

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 100.8 / 86
p0 7448 ± 5471
pull
Entries 87
Mean −323.2
Std Dev 339.8

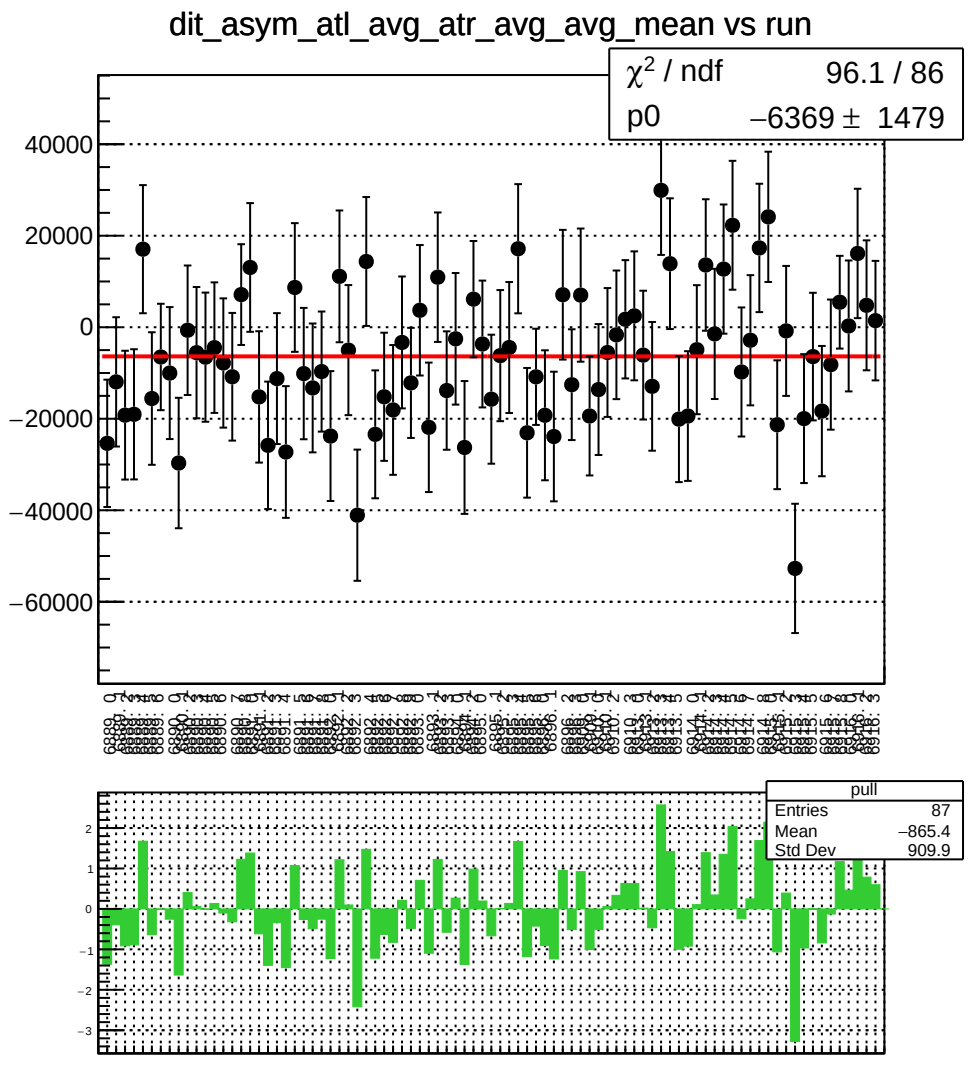

pull1D
Entries 87
Mean −0.005957
Std Dev 1.076

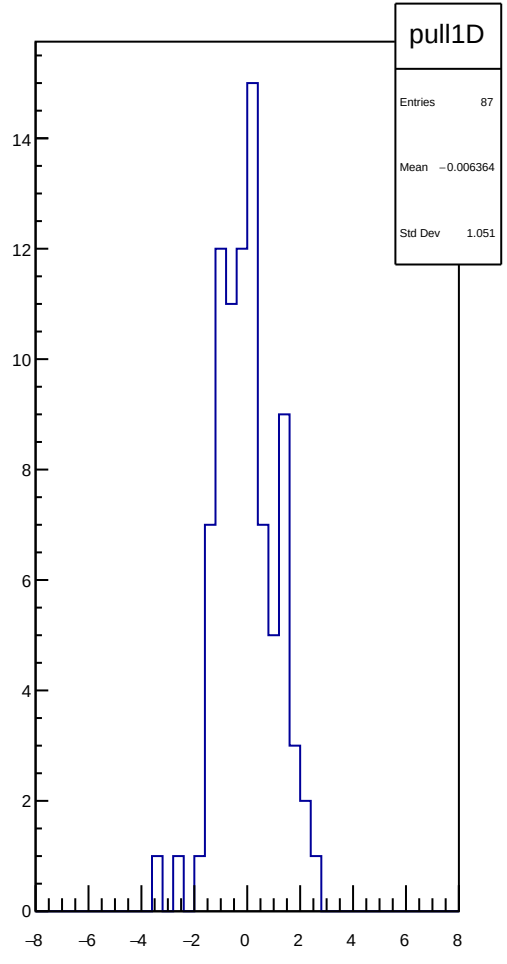

asym_atr_dd_correction_rms vs run
χ² / ndf 9692 / 86
p0 4968 ± 3.869
6500
6000
5500
5000
4500

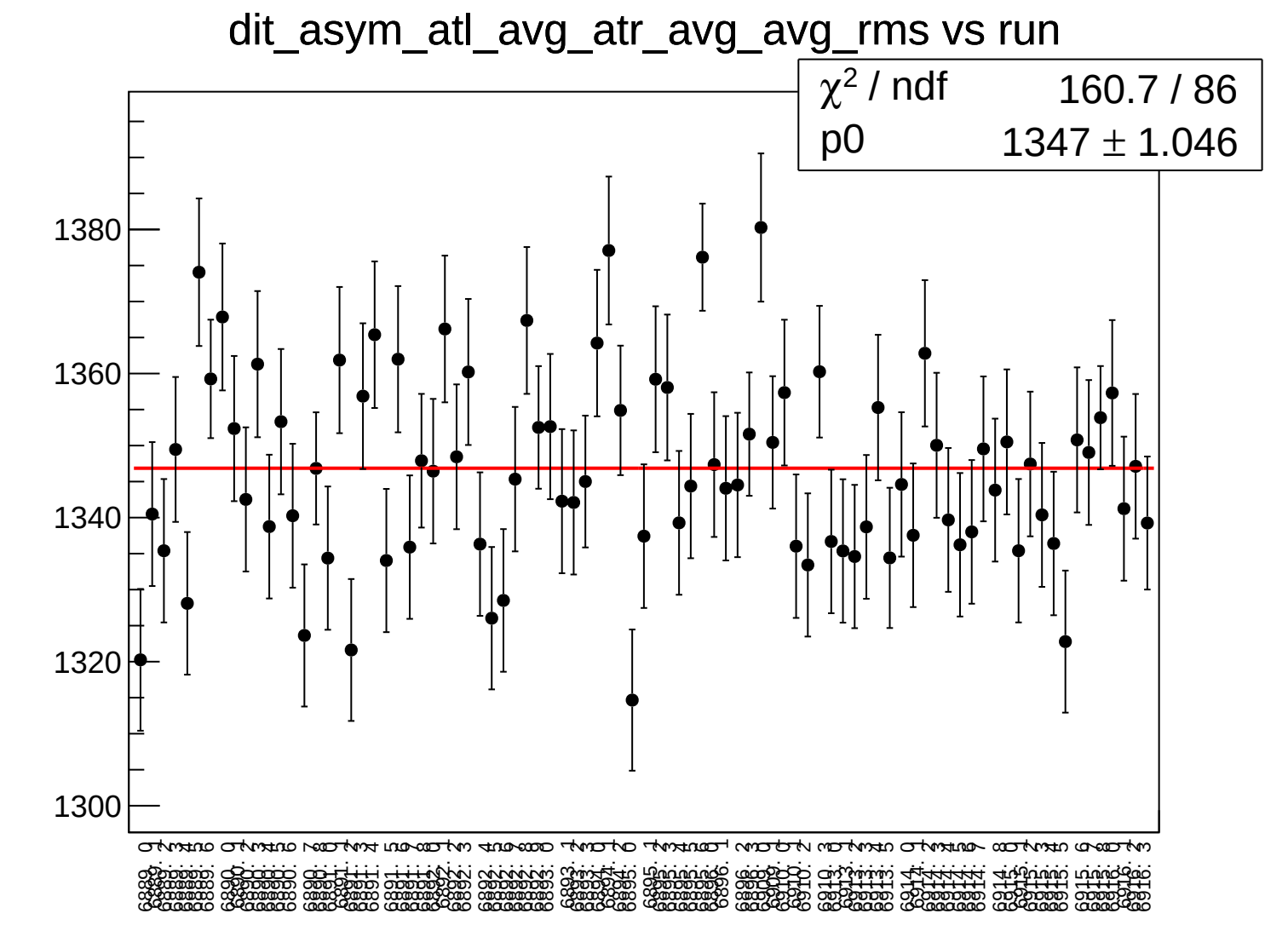

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 105.4 / 86
p0 −7740 ± 5838
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean −739
Std Dev 730.1
2
1
0
−1
−2

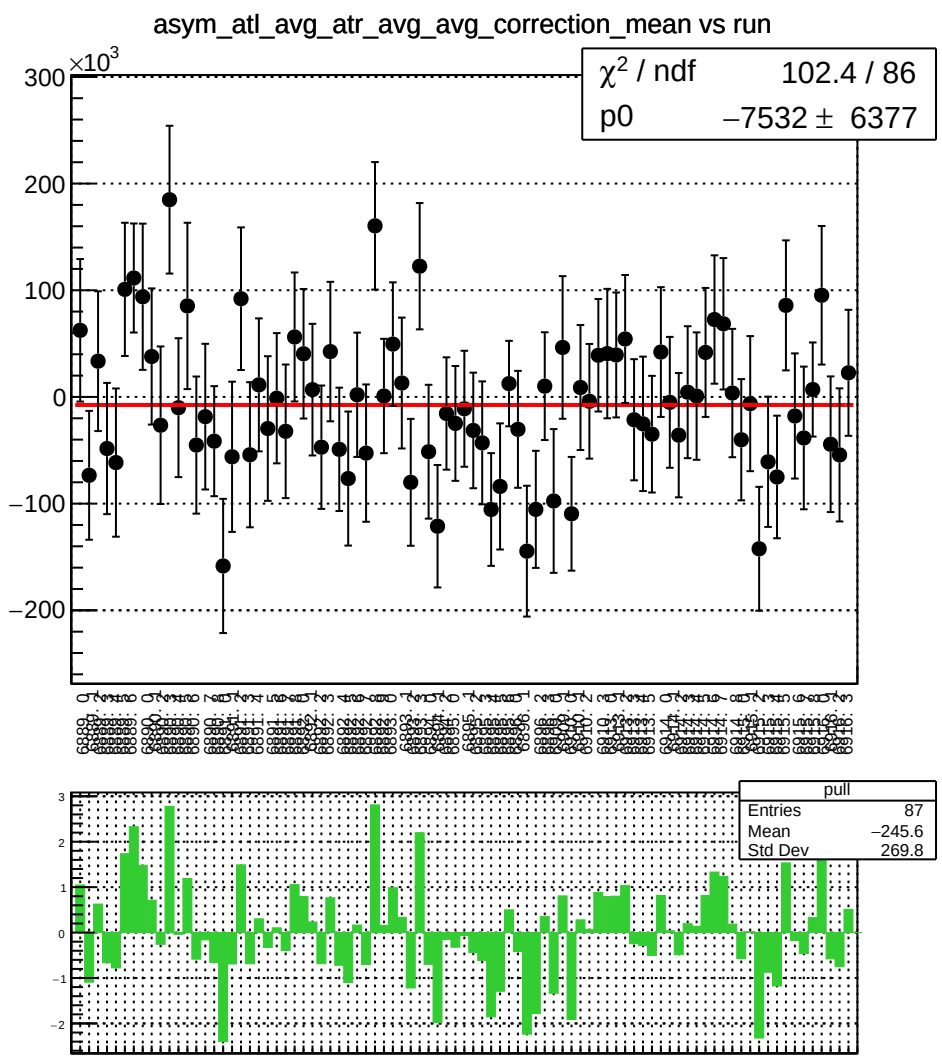

pull1D
Entries 87
Mean 0.001191
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

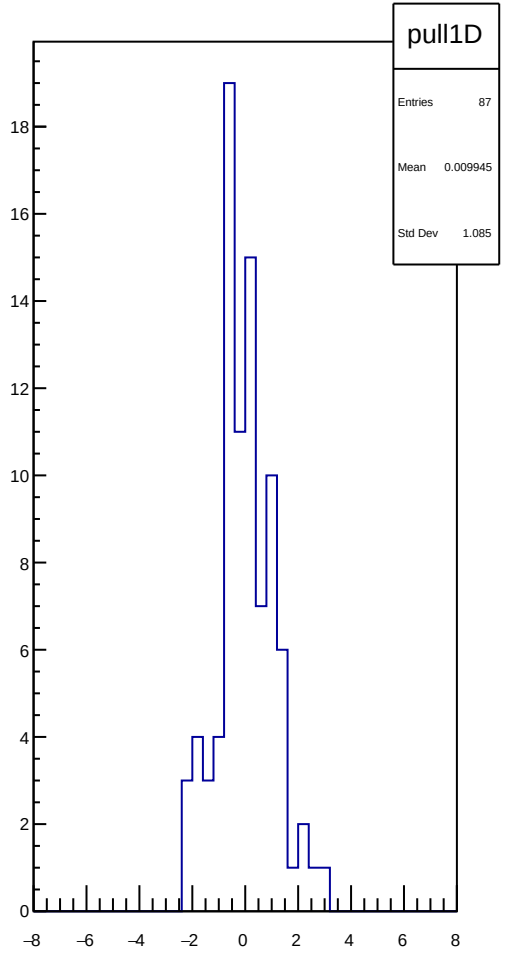

asym_atr_dd_rms vs run
χ² / ndf 7074 / 86
p0 5305 ± 4.128
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

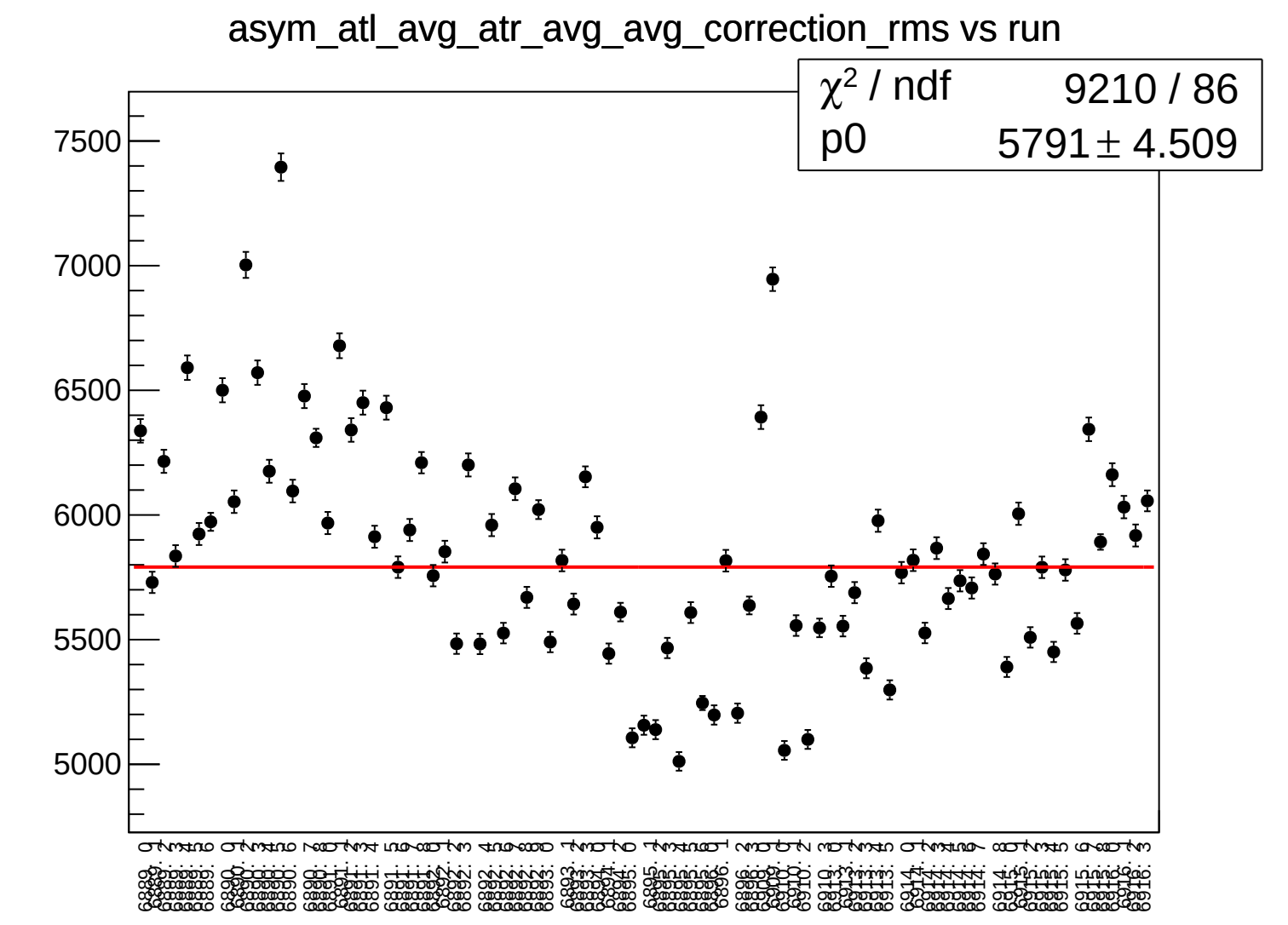

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 96.1 / 86
p0 −6369 ± 1479
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −865.4
Std Dev 909.9
2
1
0
−1
−2
−3

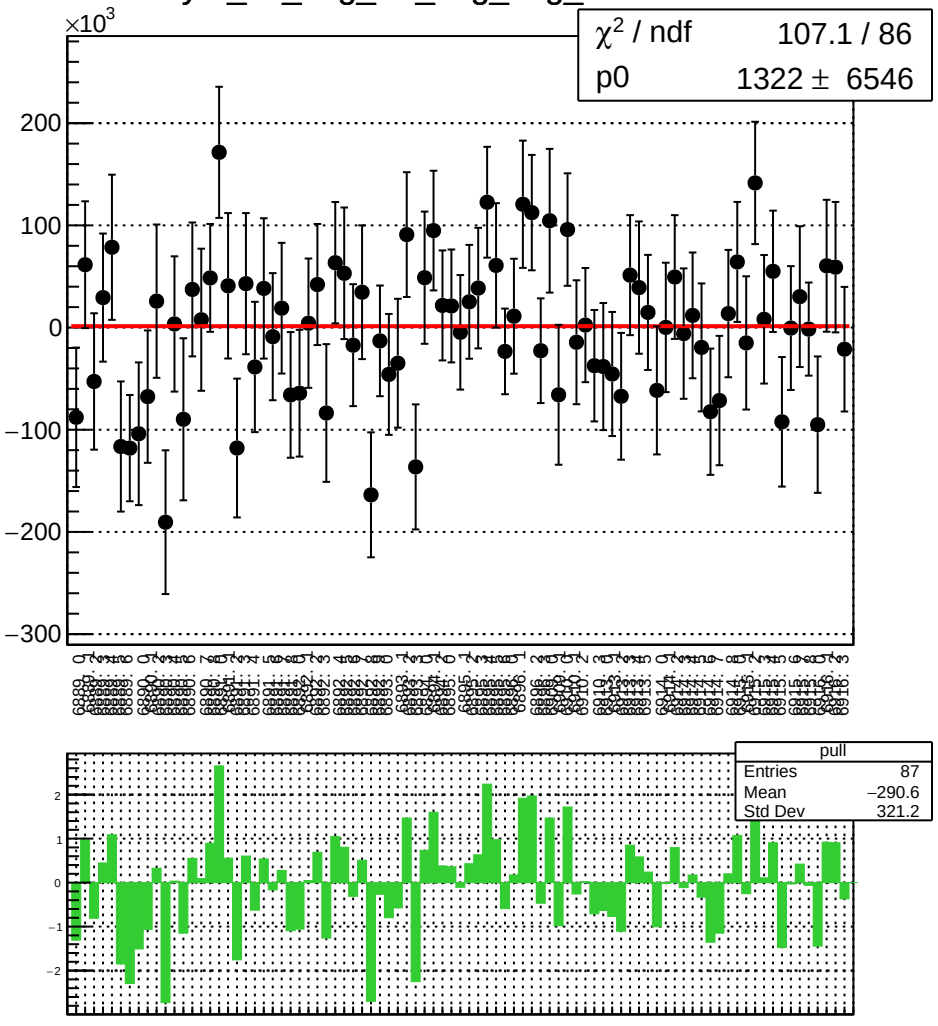

pull1D
Entries 87
Mean −0.006364
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

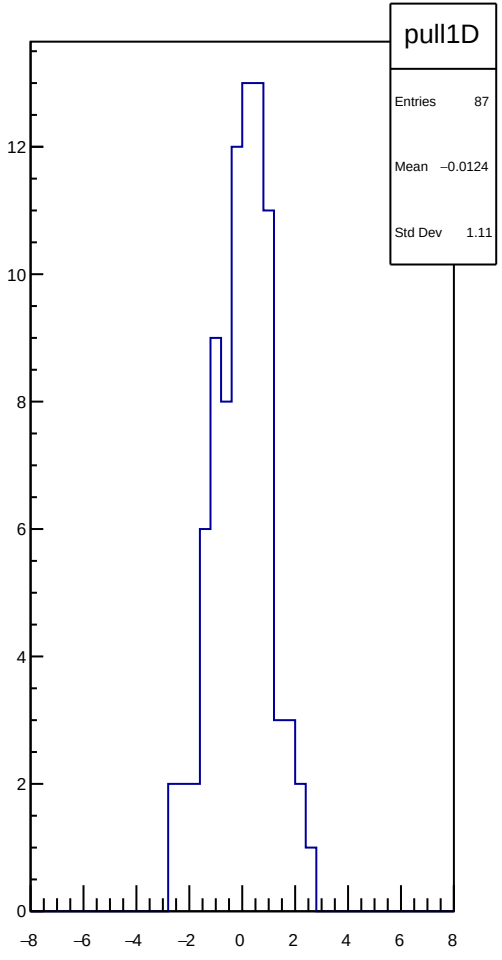

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 160.7 / 86
p0 1347 ± 1.046
1380
1360
1340
1320
1300

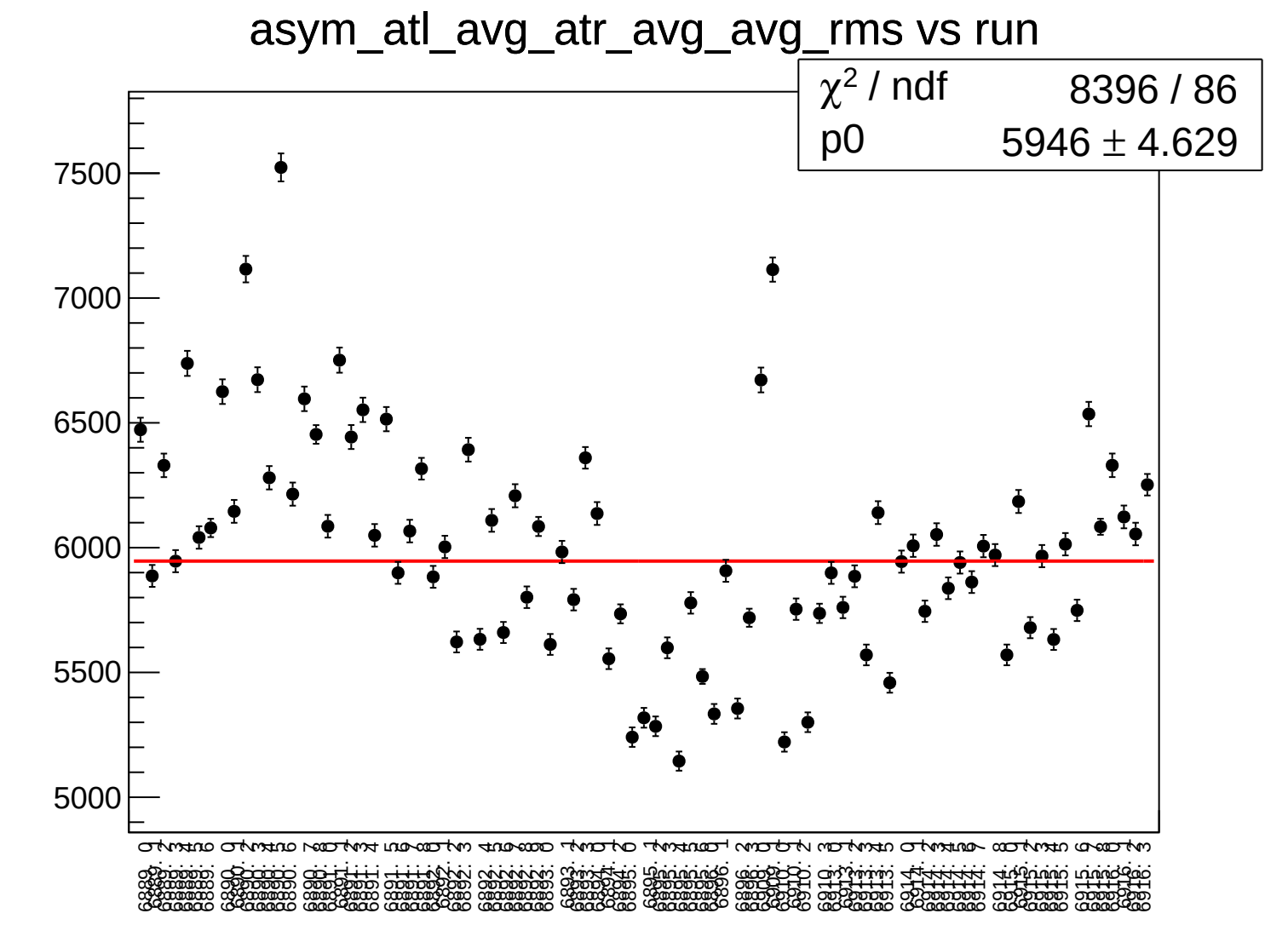

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 102.4 / 86
p0 −7532 ± 6377
×10³
300
200
100
0
−100
−200
pull
Entries 87
Mean −245.6
Std Dev 269.8
3
2
1
0
−1
−2

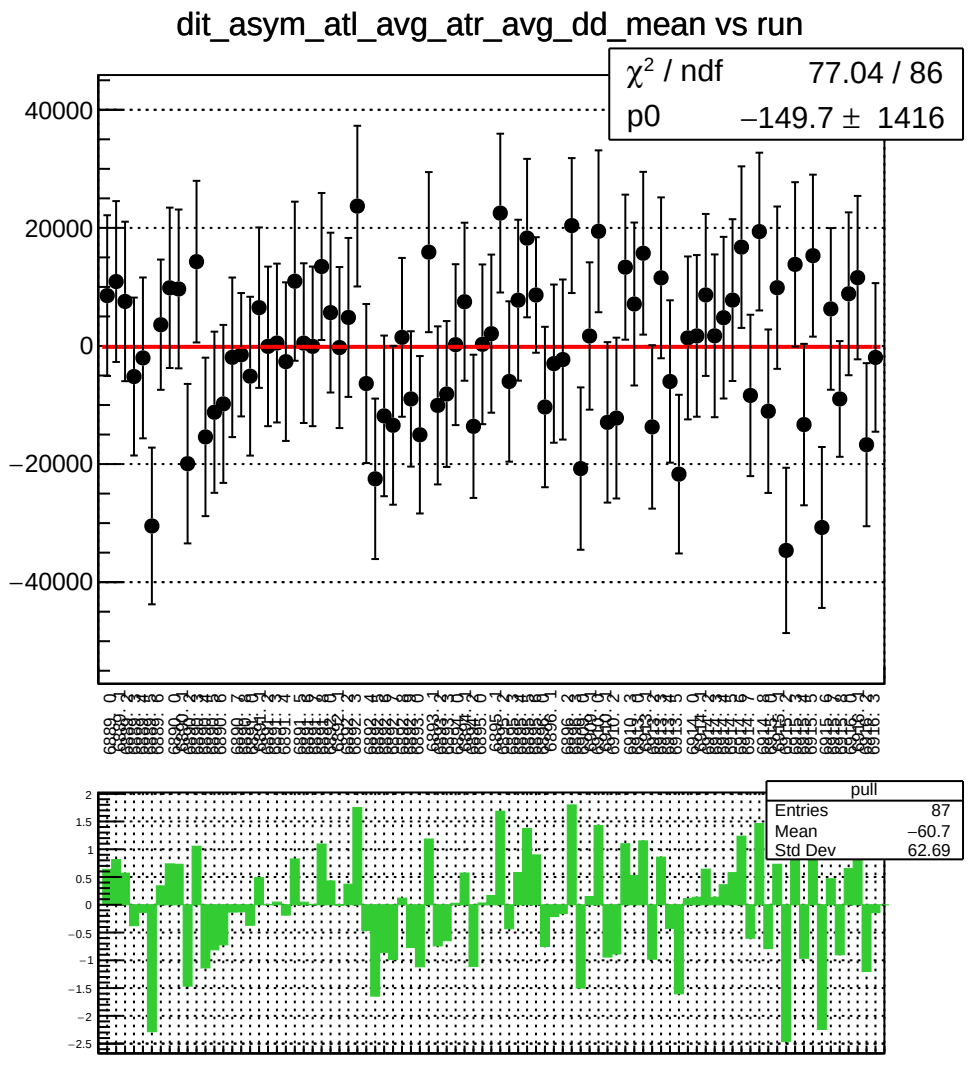

pull1D
Entries 87
Mean 0.009945
Std Dev 1.085
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

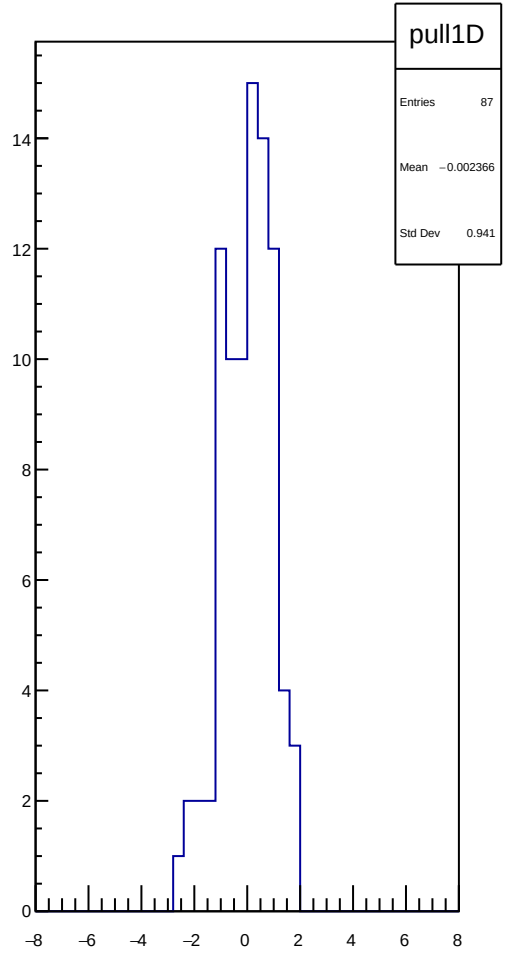

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 9210 / 86
p0 5791 ± 4.509
7500
7000
6500
6000
5500
5000

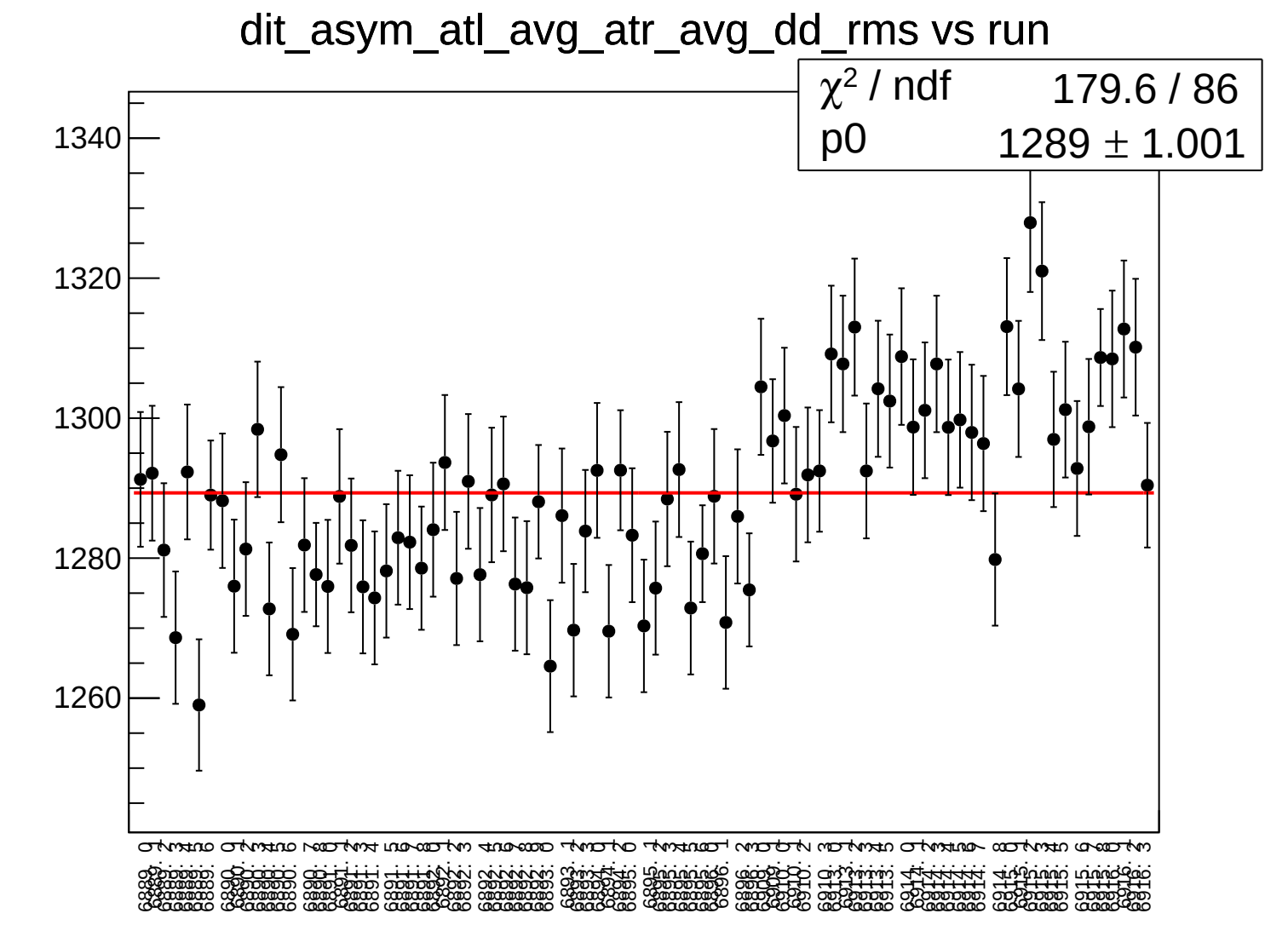

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 107.1 / 86
p0 1322 ± 6546
×10³
200
100
0
−100
−200
−300
pull
Entries 87
Mean −290.6
Std Dev 321.2
2
1
0
−1
−2

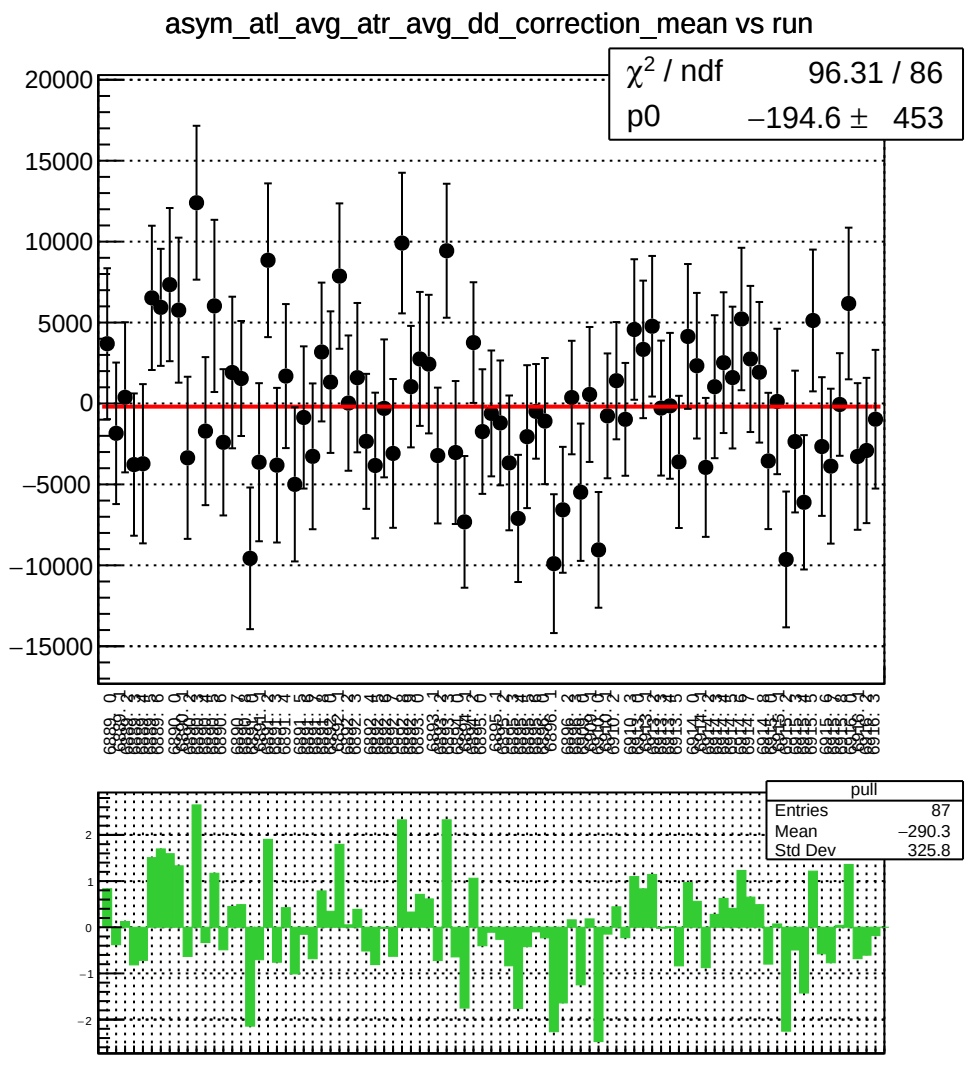

pull1D
Entries 87
Mean −0.0124
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

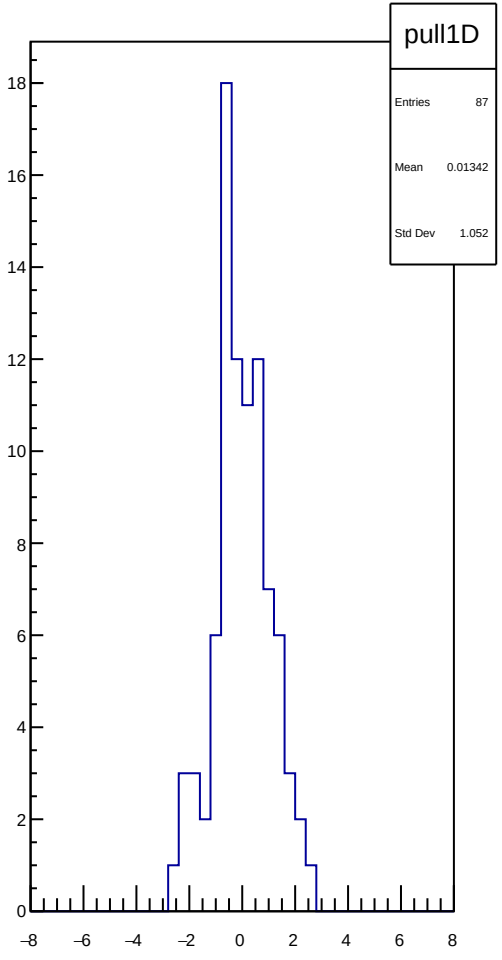

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8396 / 86
p0 5946 ± 4.629
7500
7000
6500
6000
5500
5000

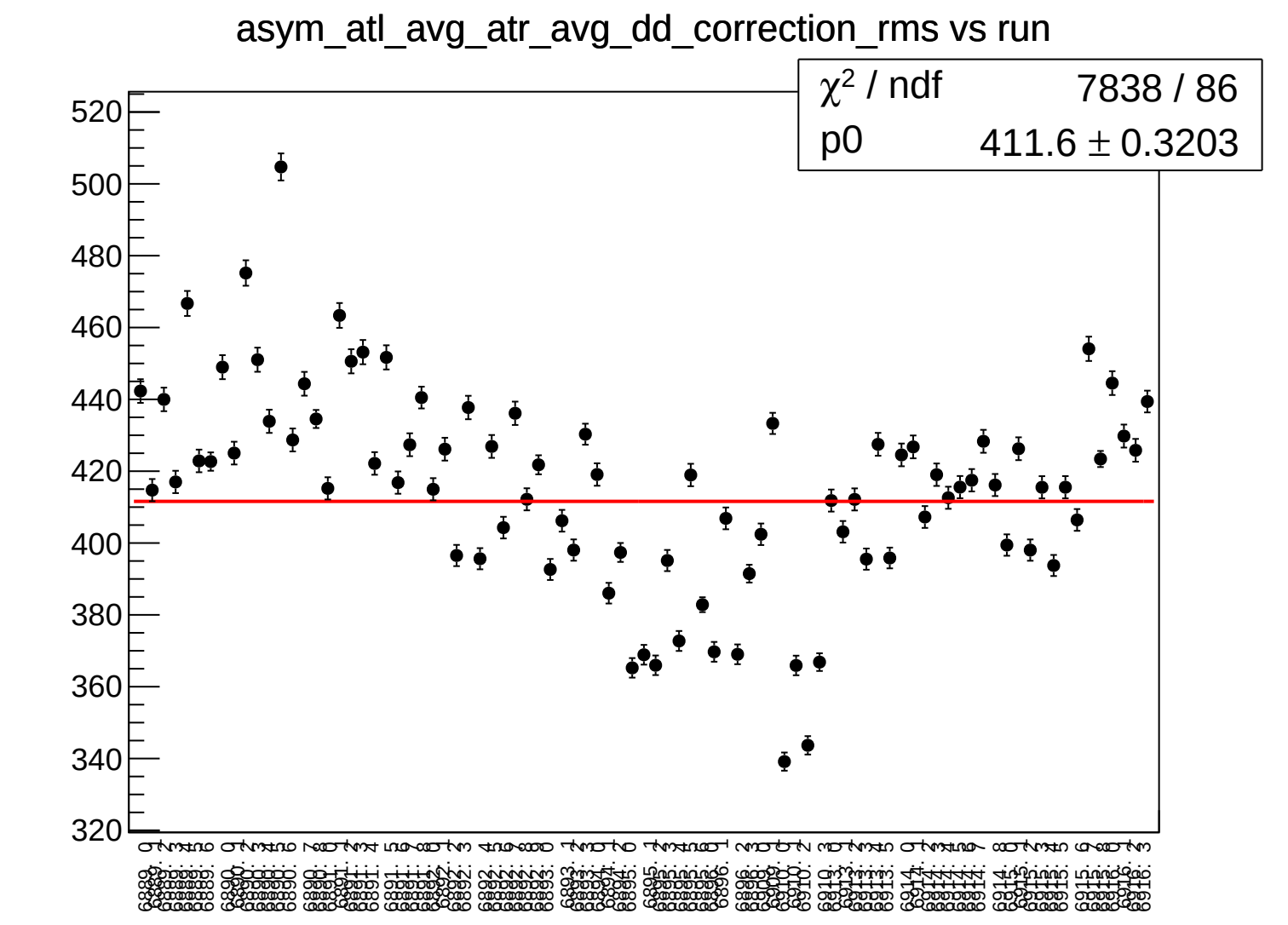

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.04 / 86
p0 −149.7 ± 1416
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −60.7
Std Dev 62.69
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

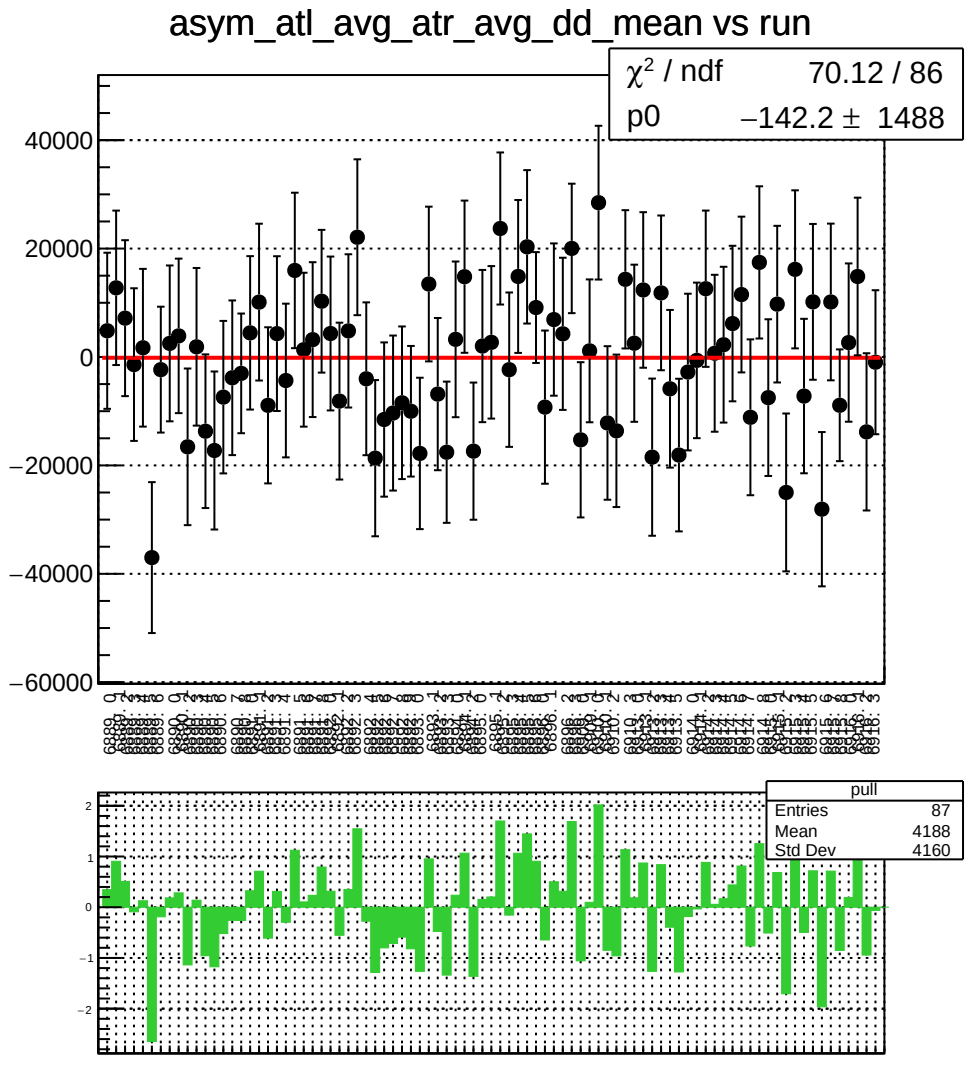

pull1D
Entries 87
Mean −0.002366
Std Dev 0.941
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

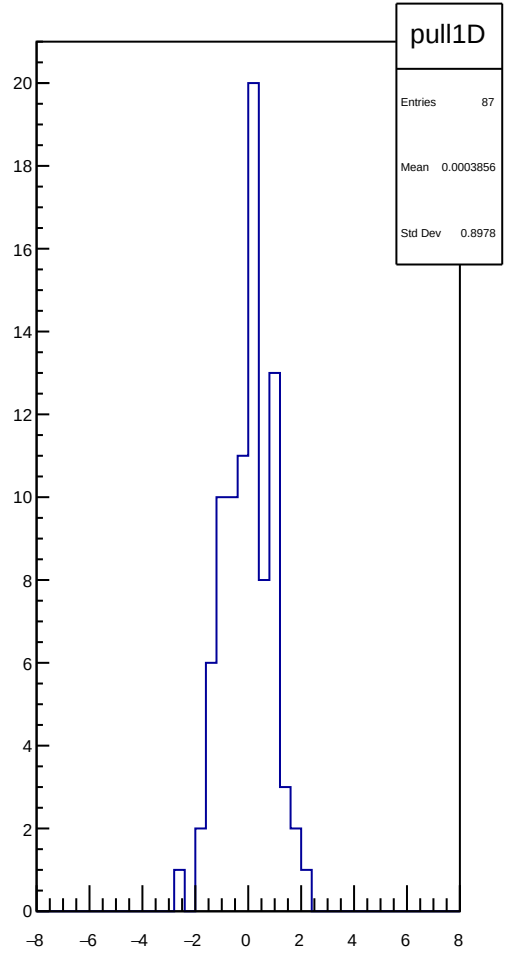

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 179.6 / 86
p0 1289 ± 1.001
1340
1320
1300
1280
1260

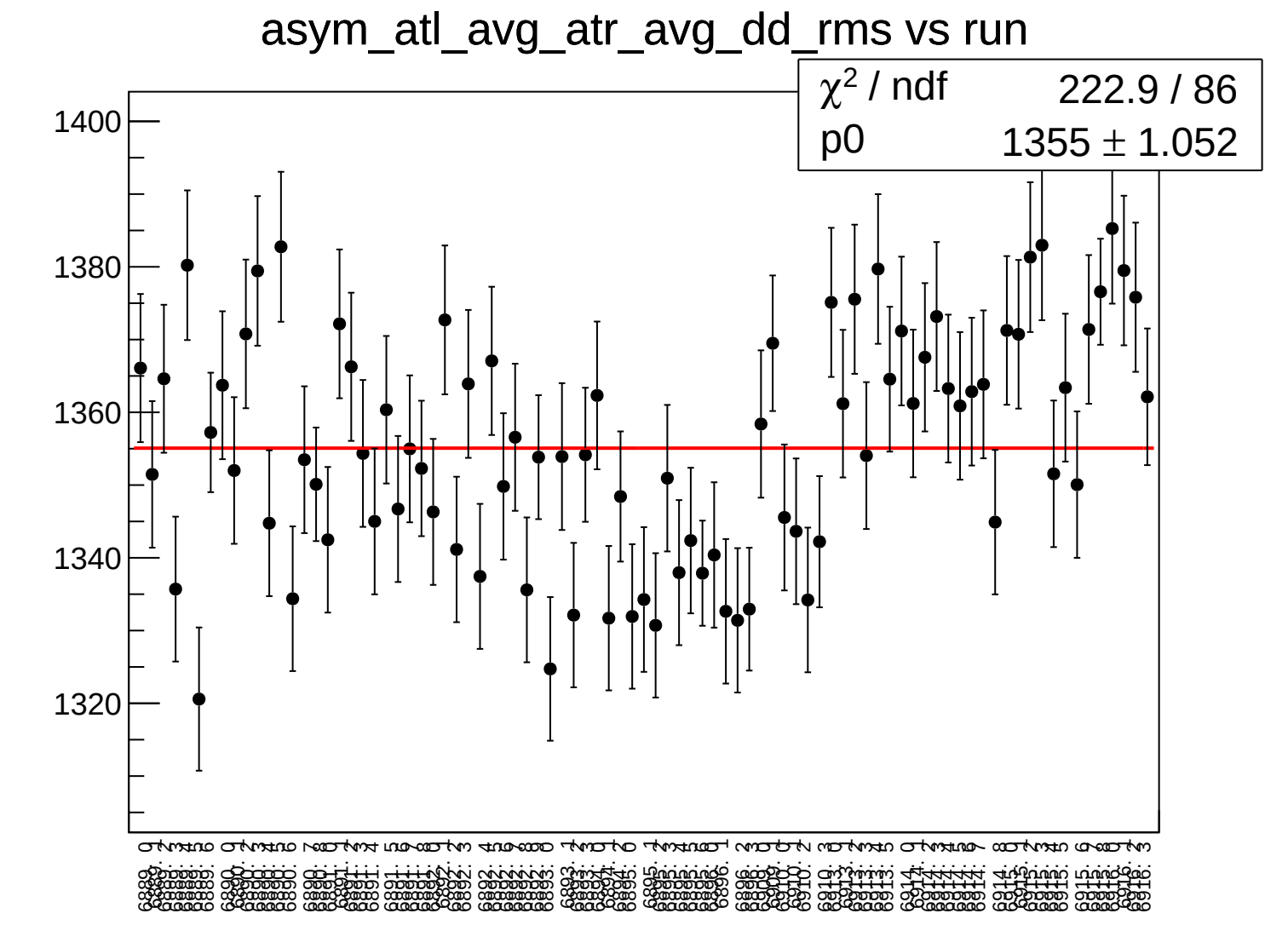

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 96.31 / 86
p0 −194.6 ± 453
pull
Entries 87
Mean −290.3
Std Dev 325.8

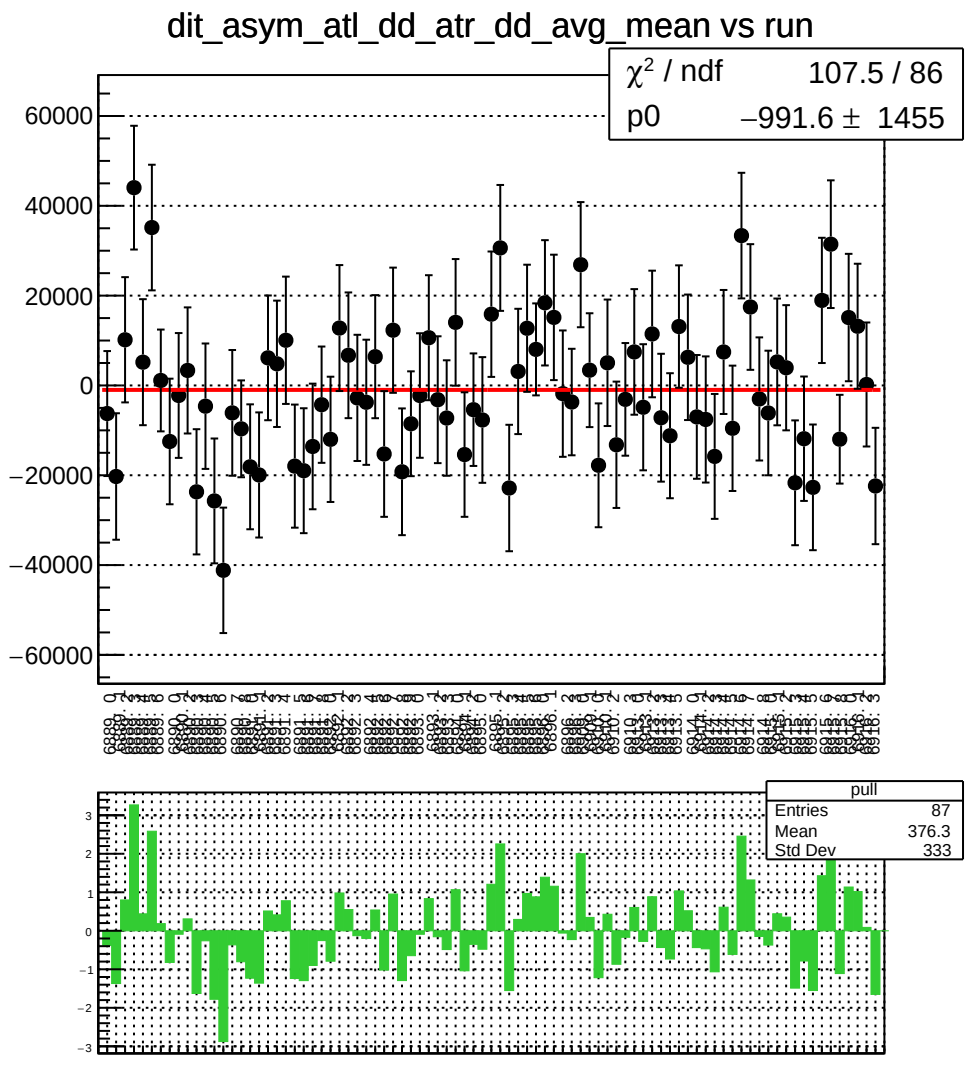

pull1D
Entries 87
Mean 0.01342
Std Dev 1.052

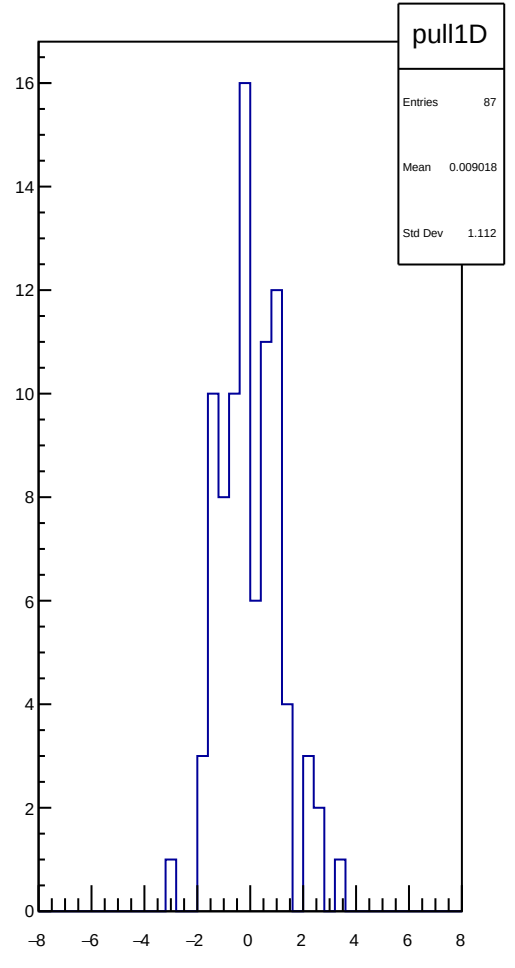

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7838 / 86
p0 411.6 ± 0.3203
520
500
480
460
440
420
400
380
360
340
320

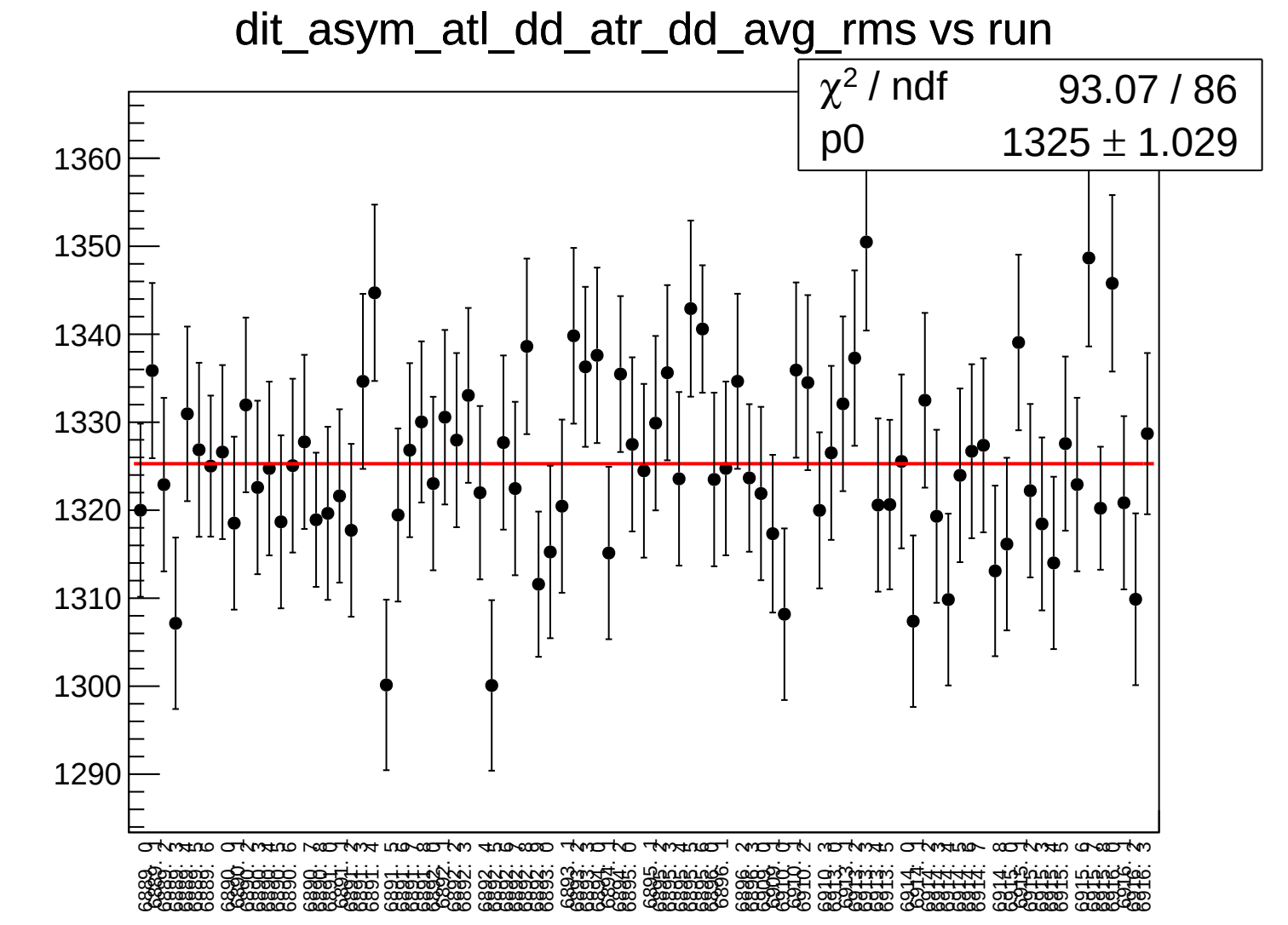

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 70.12 / 86
p0 −142.2 ± 1488
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 4188
Std Dev 4160
2
1
0
−1
−2

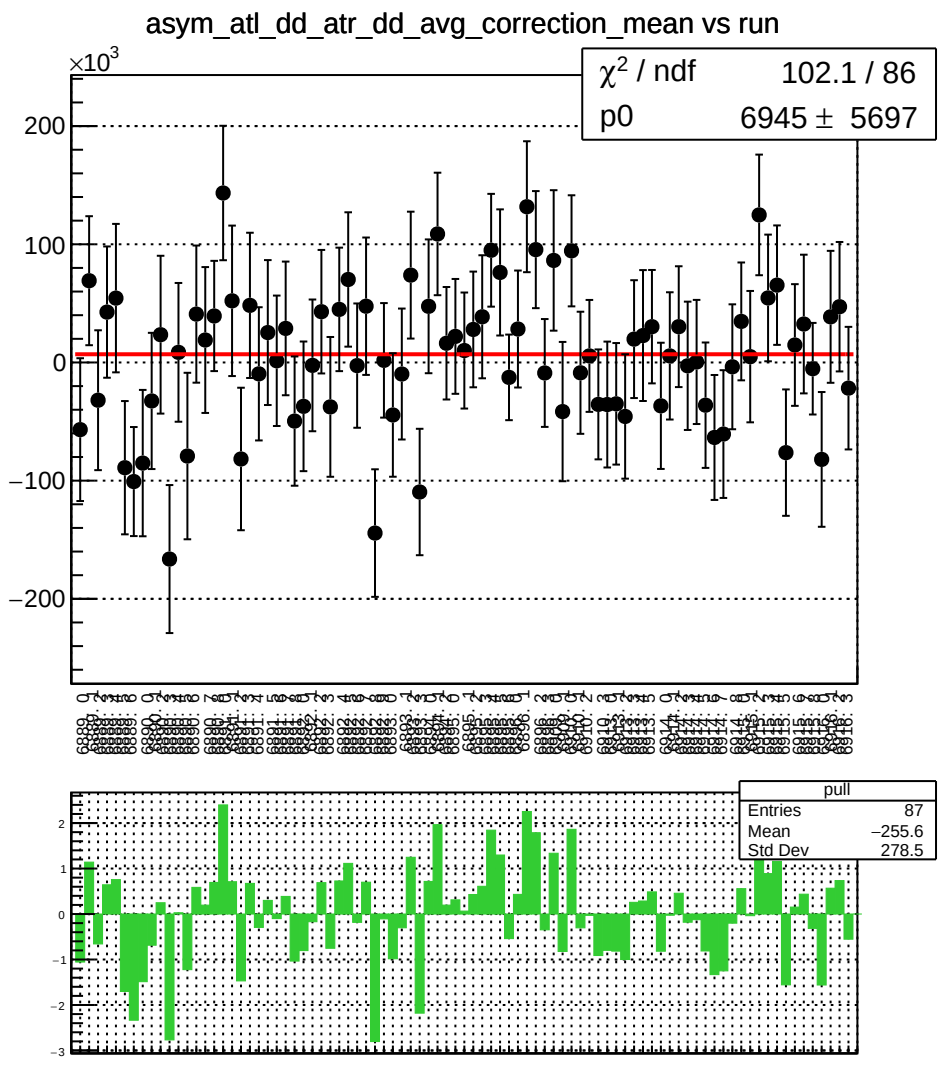

pull1D
Entries 87
Mean 0.0003856
Std Dev 0.8978
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

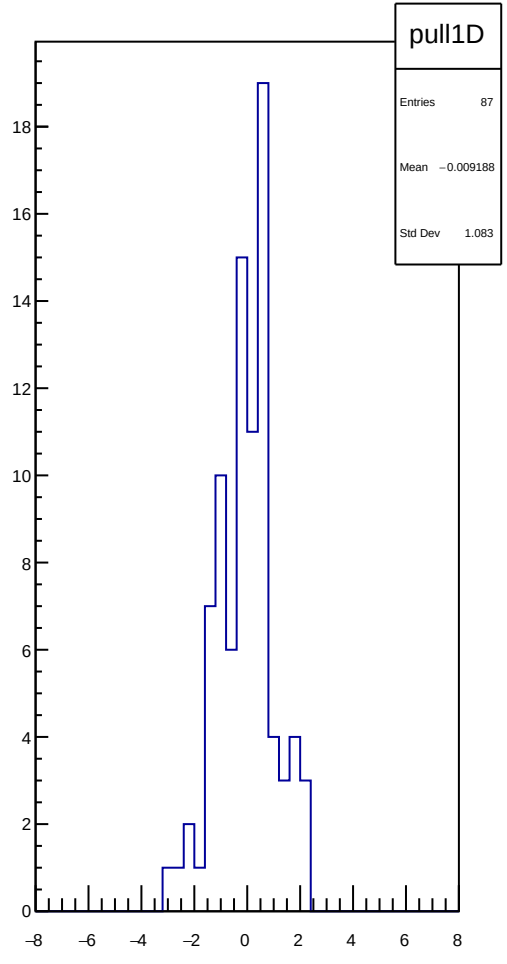

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 222.9 / 86
p0 1355 ± 1.052
1400
1380
1360
1340
1320

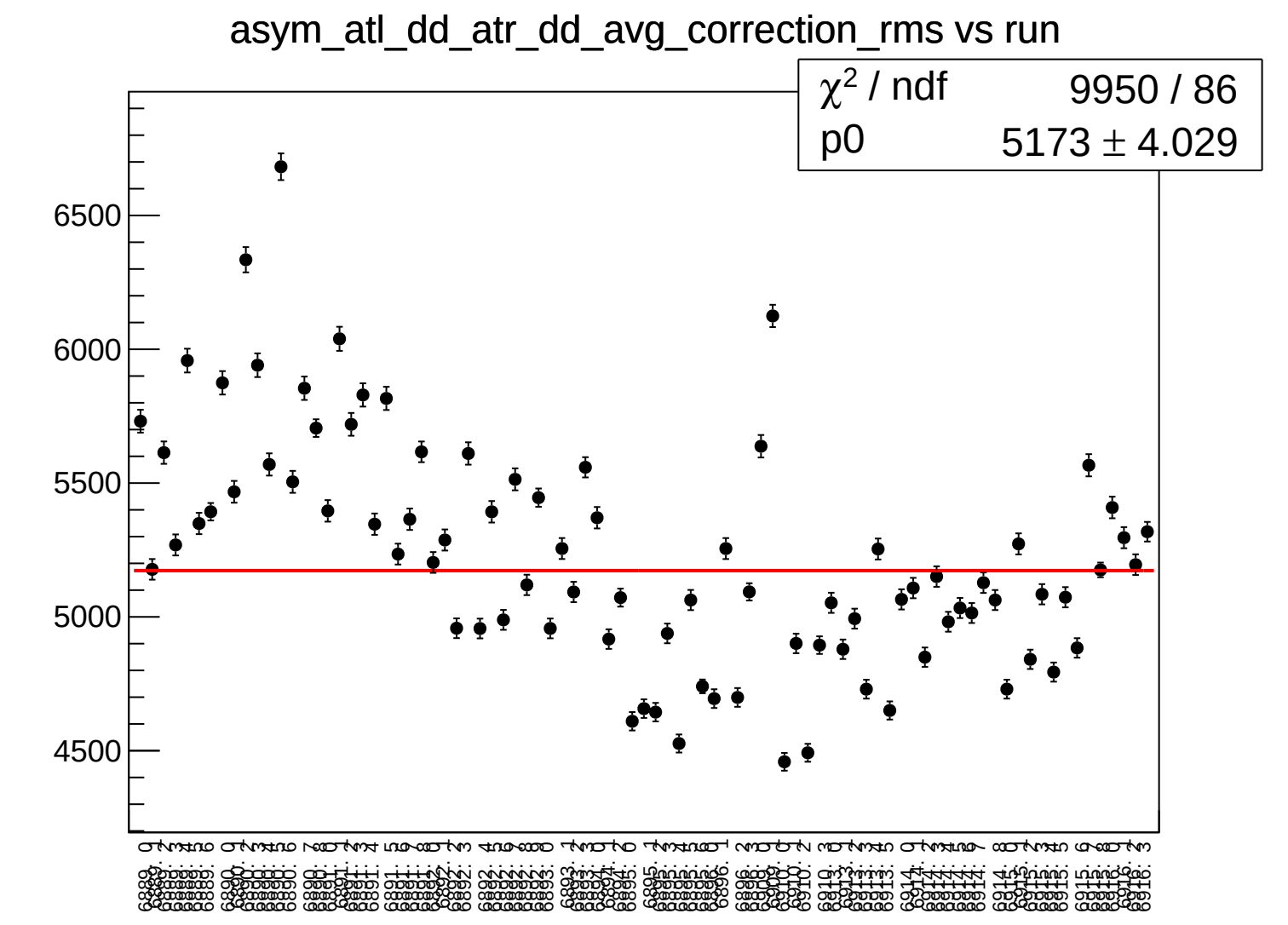

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 107.5 / 86
p0 −991.6 ± 1455
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 376.3
Std Dev 333
3
2
1
0
−1
−2
−3

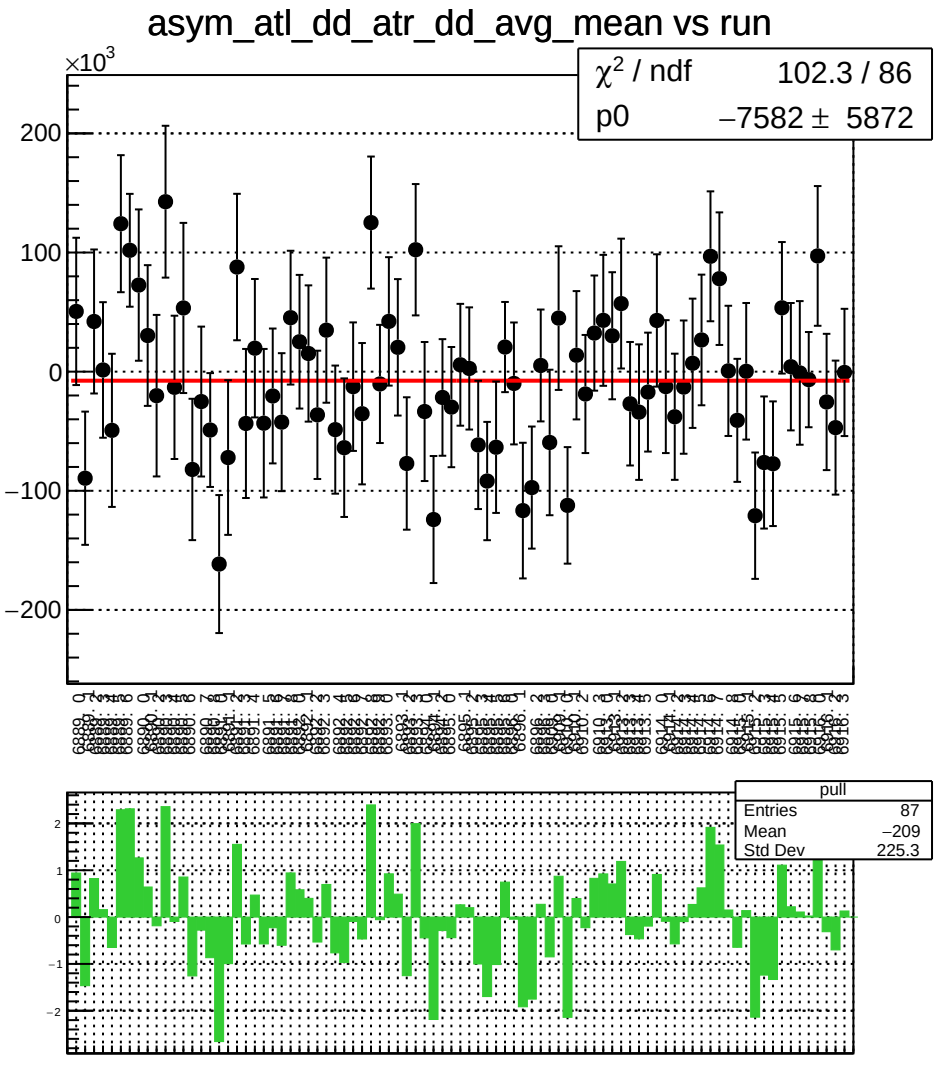

pull1D
Entries 87
Mean 0.009018
Std Dev 1.112
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

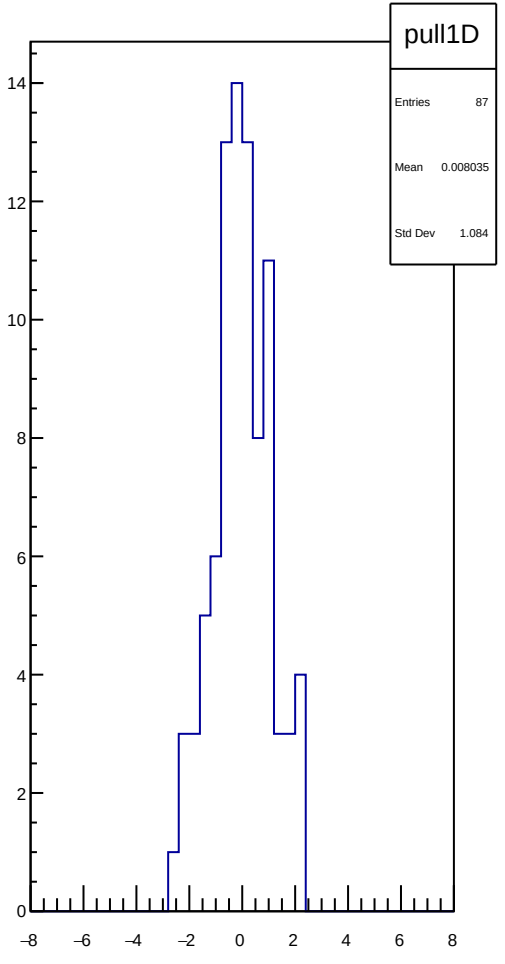

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 93.07 / 86
p0 1325 ± 1.029
1360
1350
1340
1330
1320
1310
1300
1290

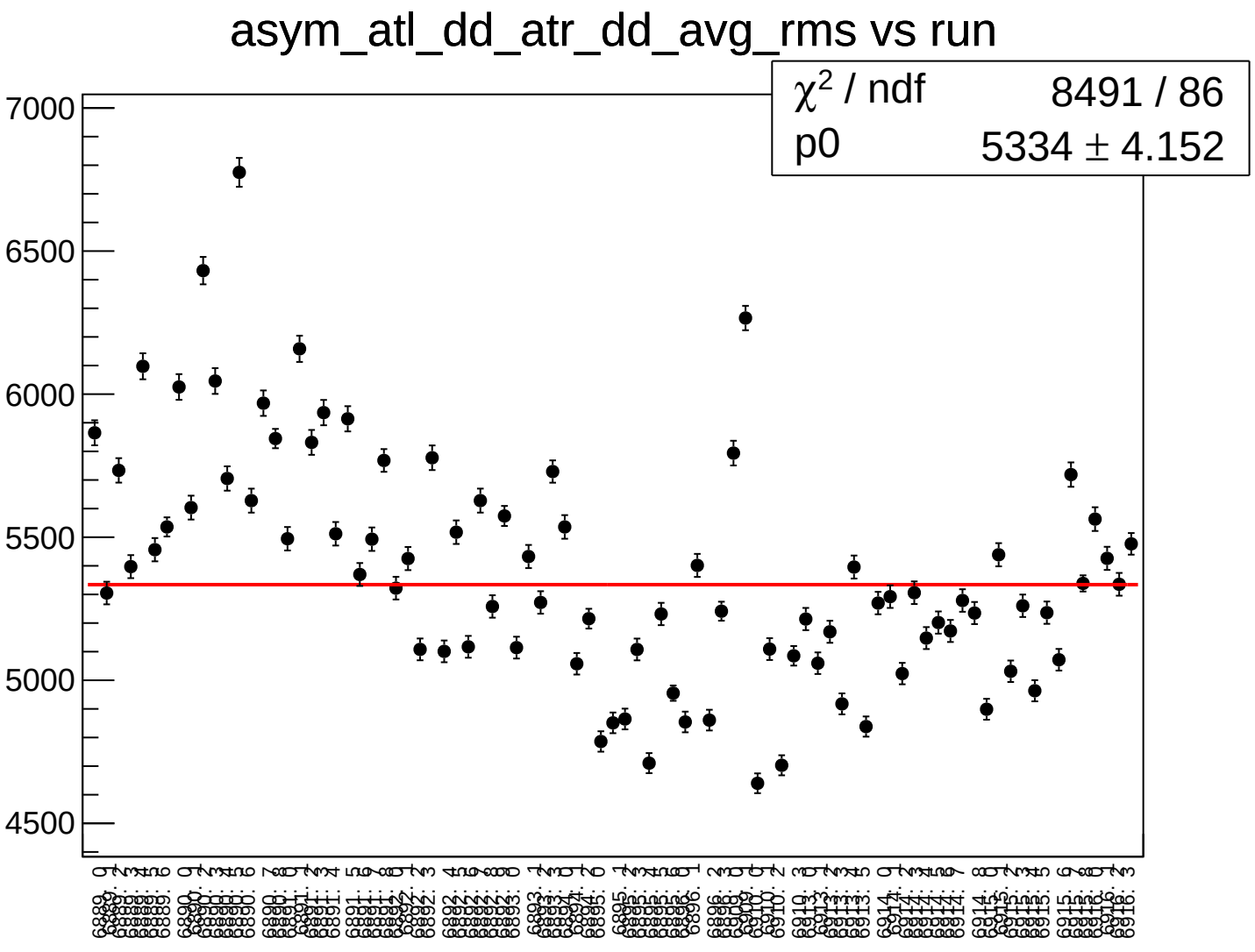

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 102.1 / 86
p0 6945 ± 5697
200
100
0
−100
−200
pull
Entries 87
Mean −255.6
Std Dev 278.5
2
1
0
−1
−2
−3

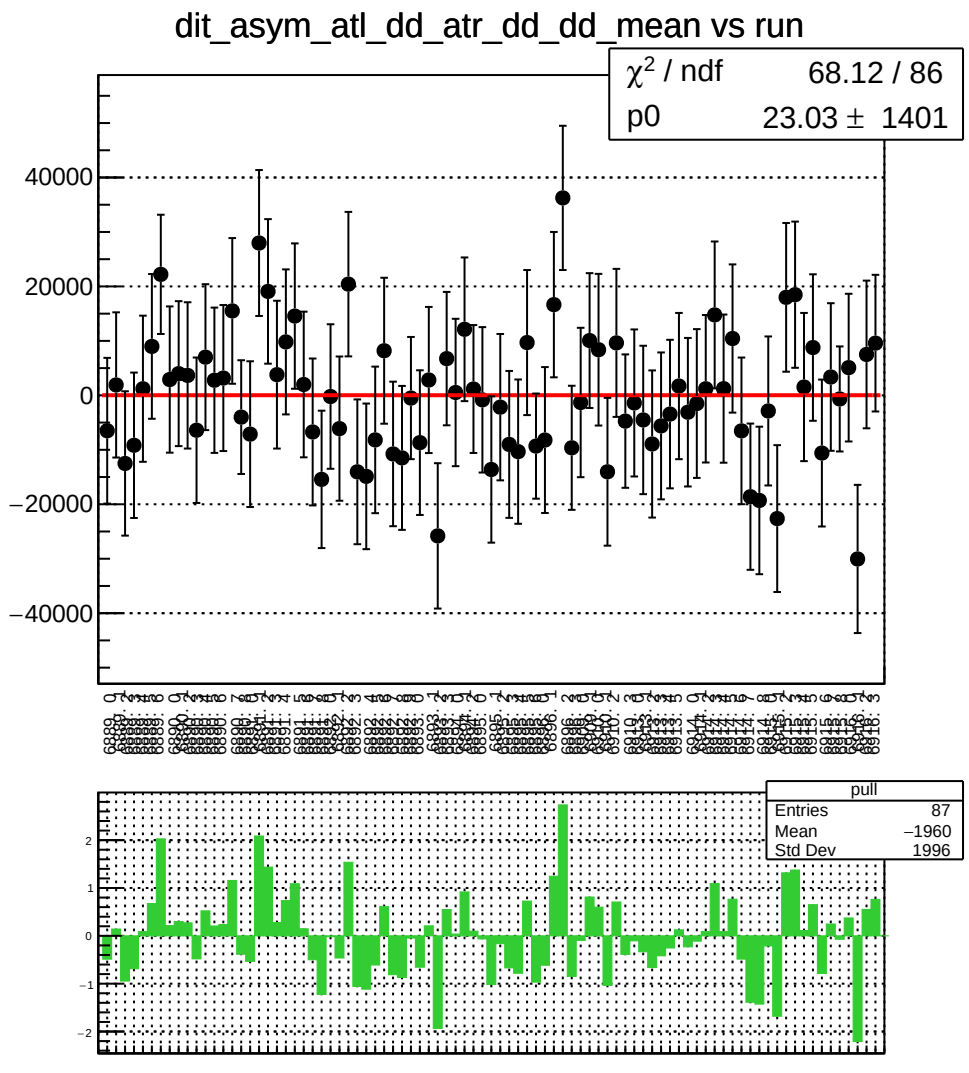

pull1D
Entries 87
Mean −0.009188
Std Dev 1.083
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

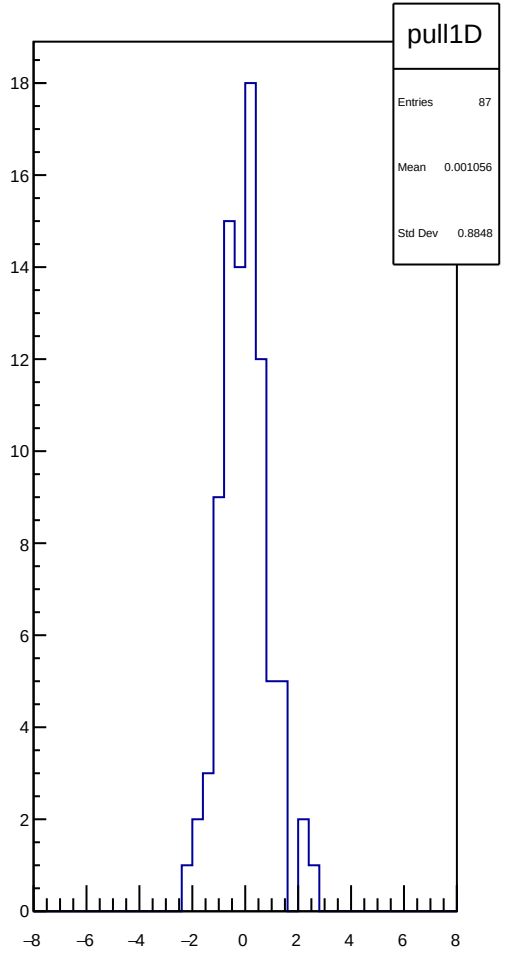

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 9950 / 86
p0 5173 ± 4.029
6500
6000
5500
5000
4500

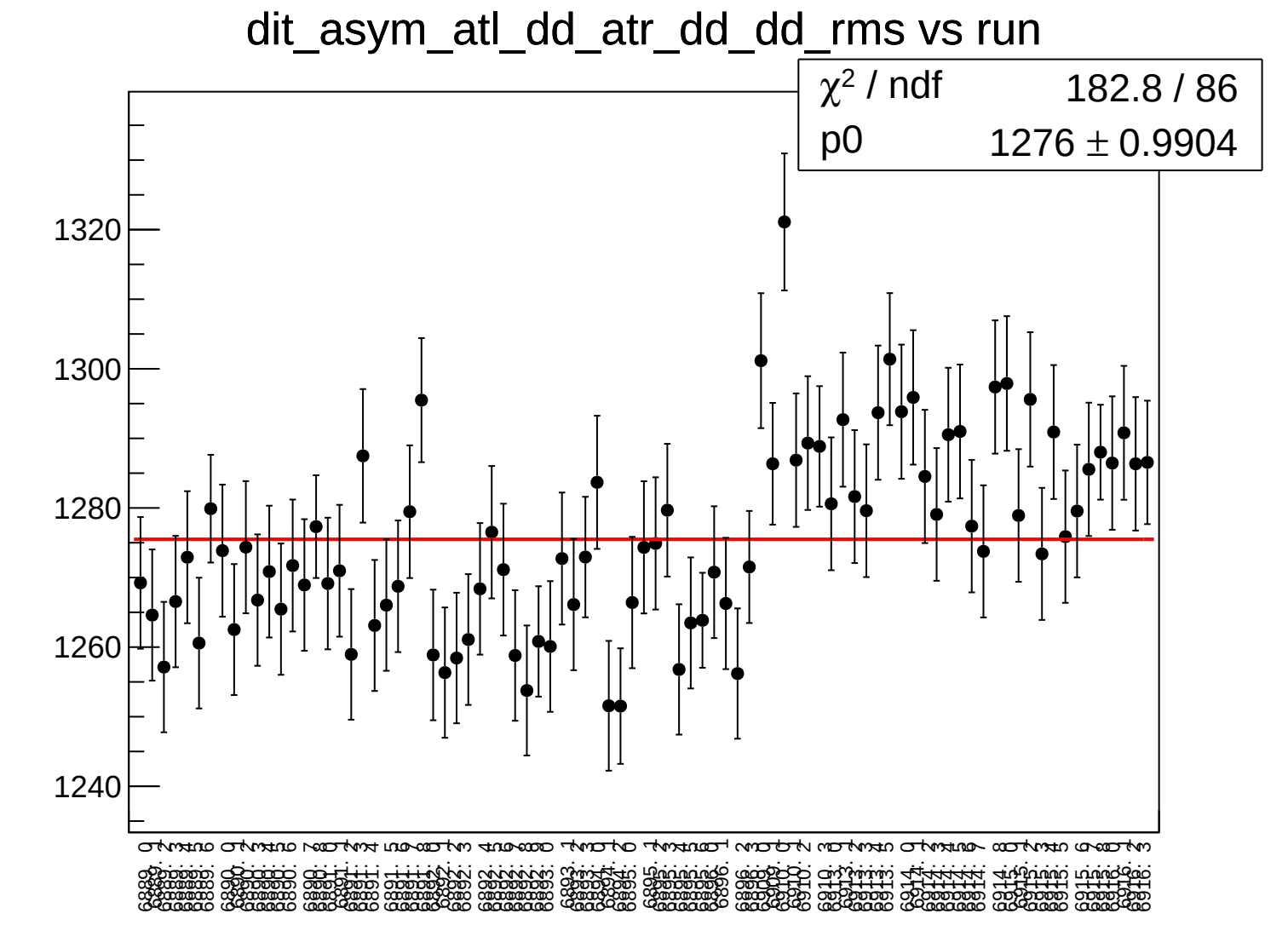

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 102.3 / 86
p0 −7582 ± 5872
200
100
0
−100
−200
pull
Entries 87
Mean −209
Std Dev 225.3
2
1
0
−1
−2

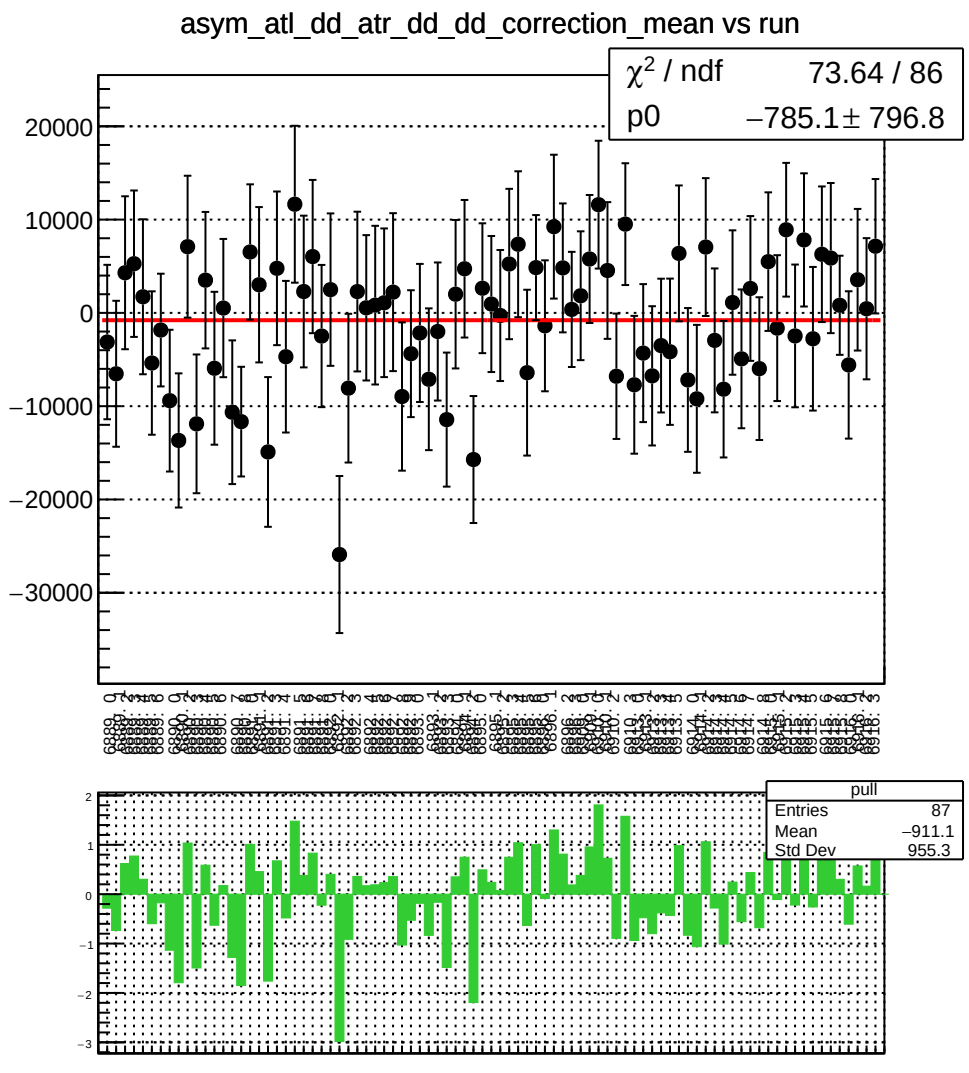

pull1D
Entries 87
Mean 0.008035
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

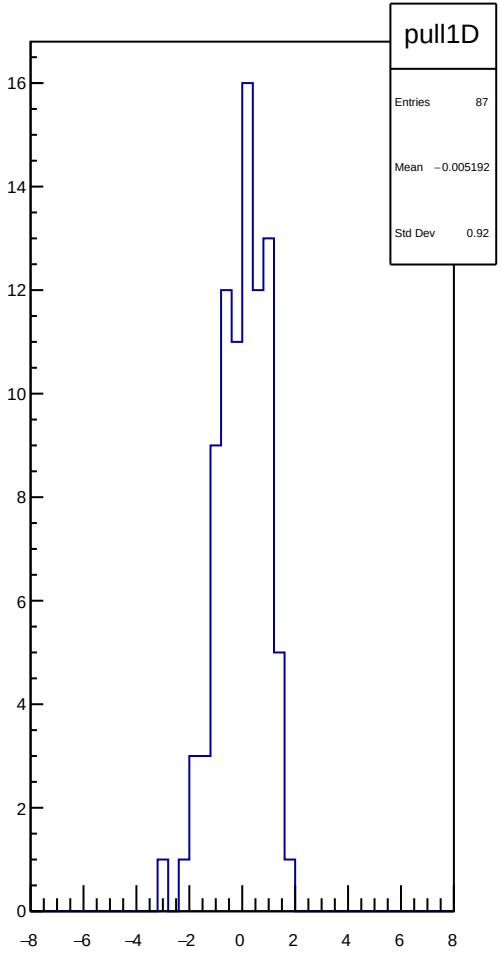

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 8491 / 86
p0 5334 ± 4.152
7000
6500
6000
5500
5000
4500

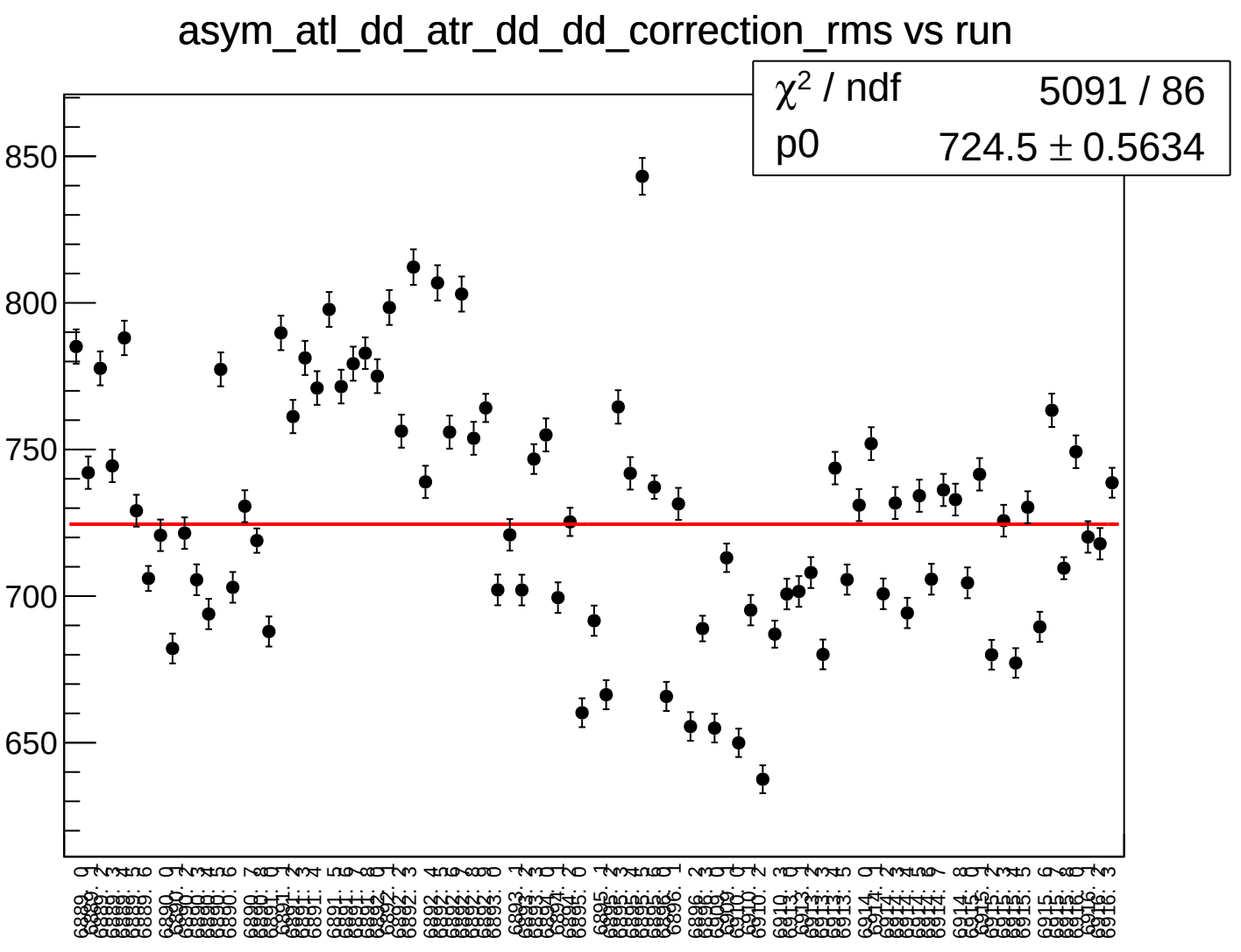

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 68.12 / 86
p0 23.03 ± 1401
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −1960
Std Dev 1996
2
1
0
−1
−2

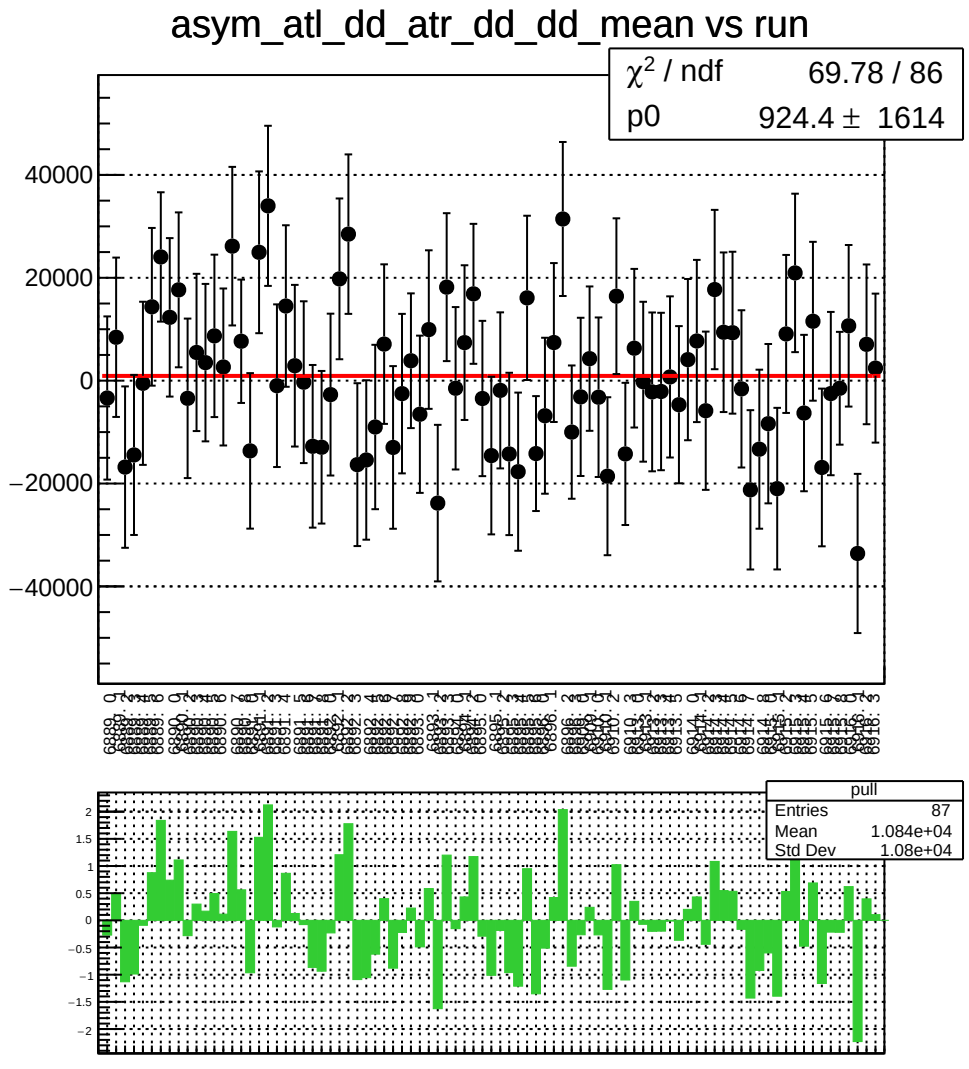

pull1D
Entries 87
Mean 0.001056
Std Dev 0.8848
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

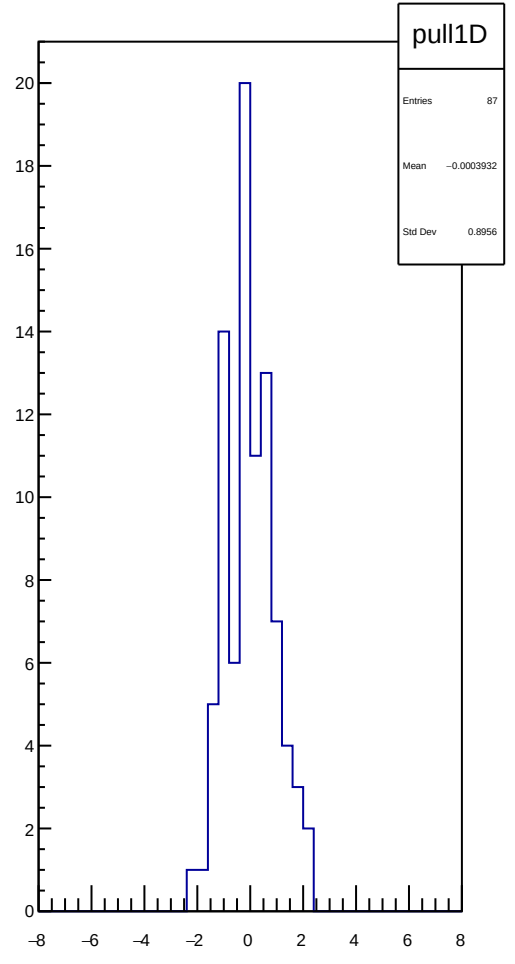

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 182.8 / 86
p0 1276 ± 0.9904
1320
1300
1280
1260
1240

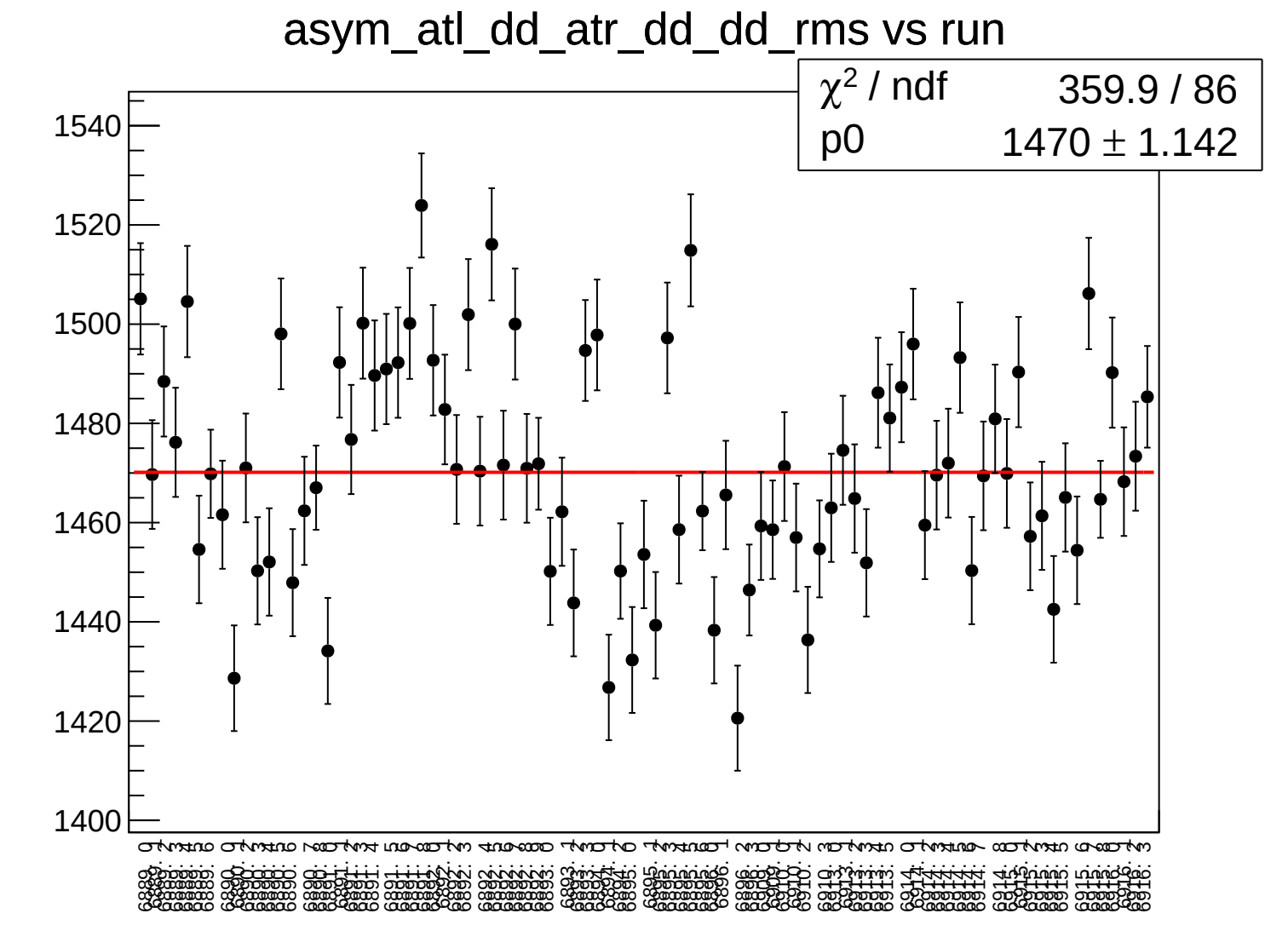

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 73.64 / 86
p0 −785.1± 796.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −911.1
Std Dev 955.3
2
1
0
−1
−2
−3

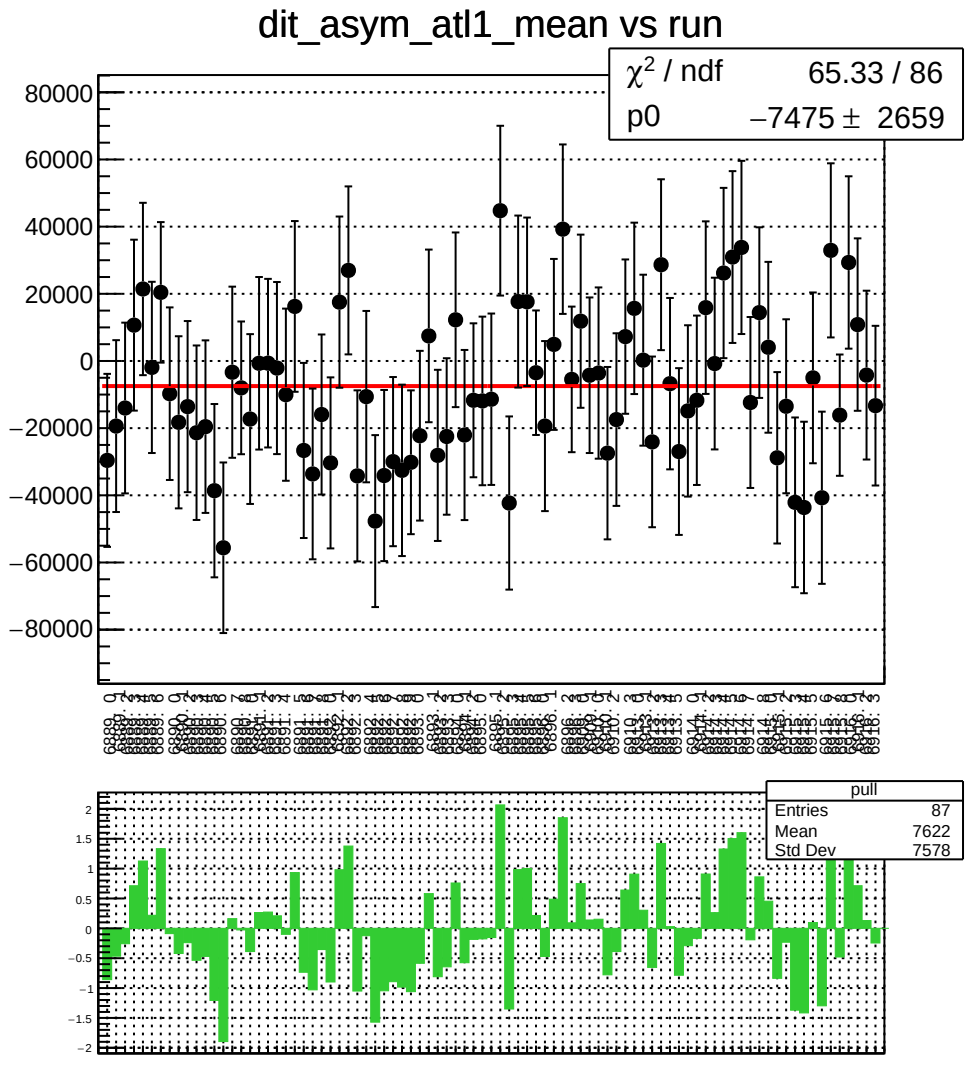

pull1D
Entries 87
Mean −0.005192
Std Dev 0.92
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

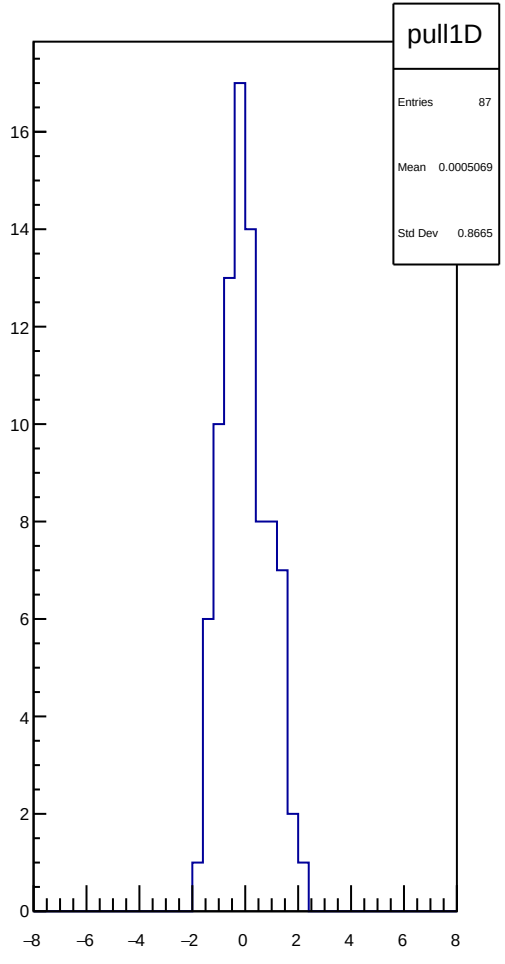

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 5091 / 86
p0 724.5 ± 0.5634
850
800
750
700
650

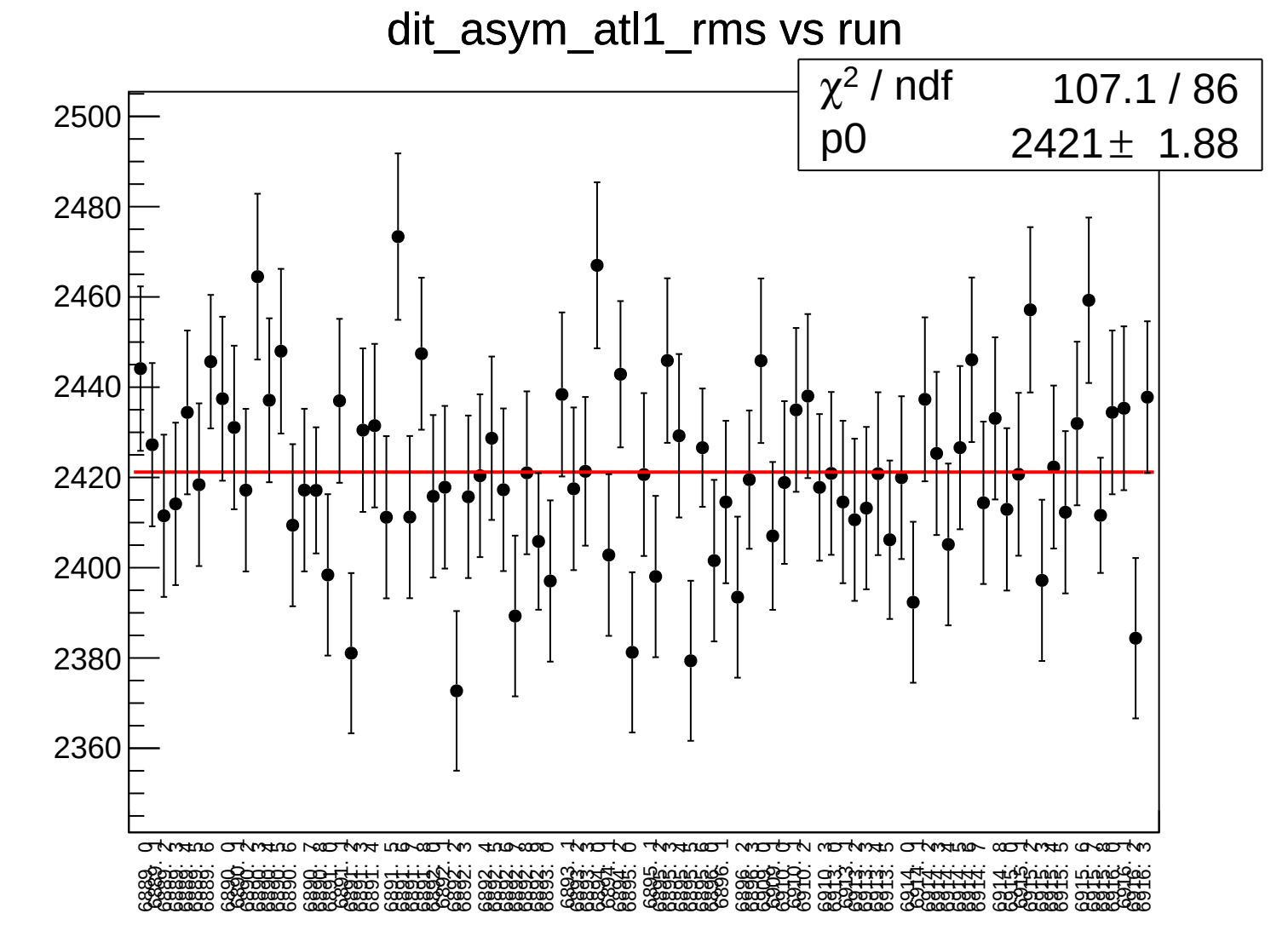

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69.78 / 86
p0 924.4 ± 1614
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 1.084e+04
Std Dev 1.08e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

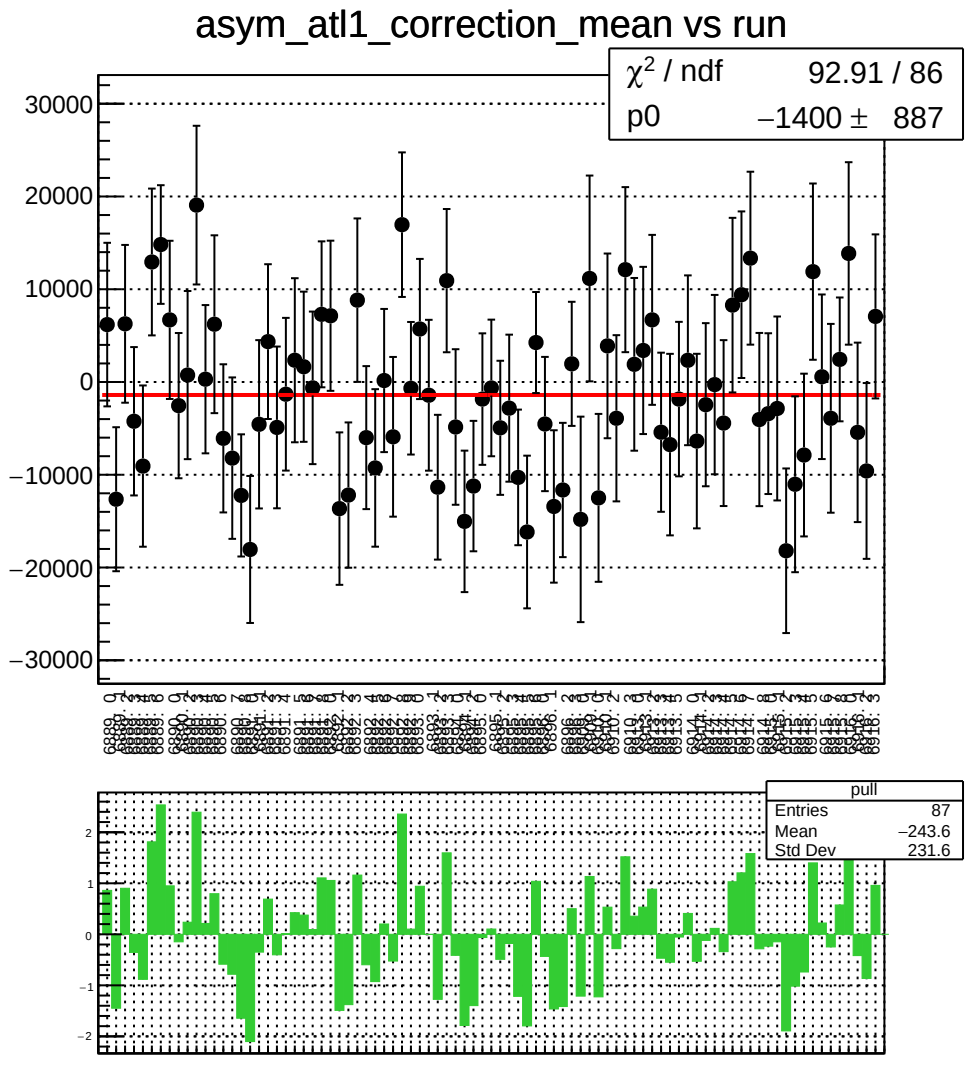

pull1D
Entries 87
Mean −0.0003932
Std Dev 0.8956
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

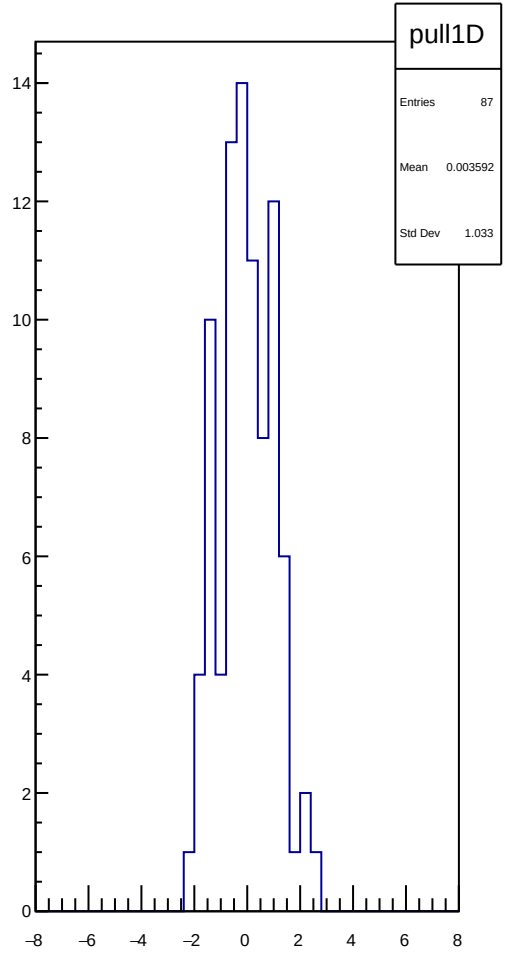

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 359.9 / 86
p0 1470 ± 1.142
1540
1520
1500
1480
1460
1440
1420
1400

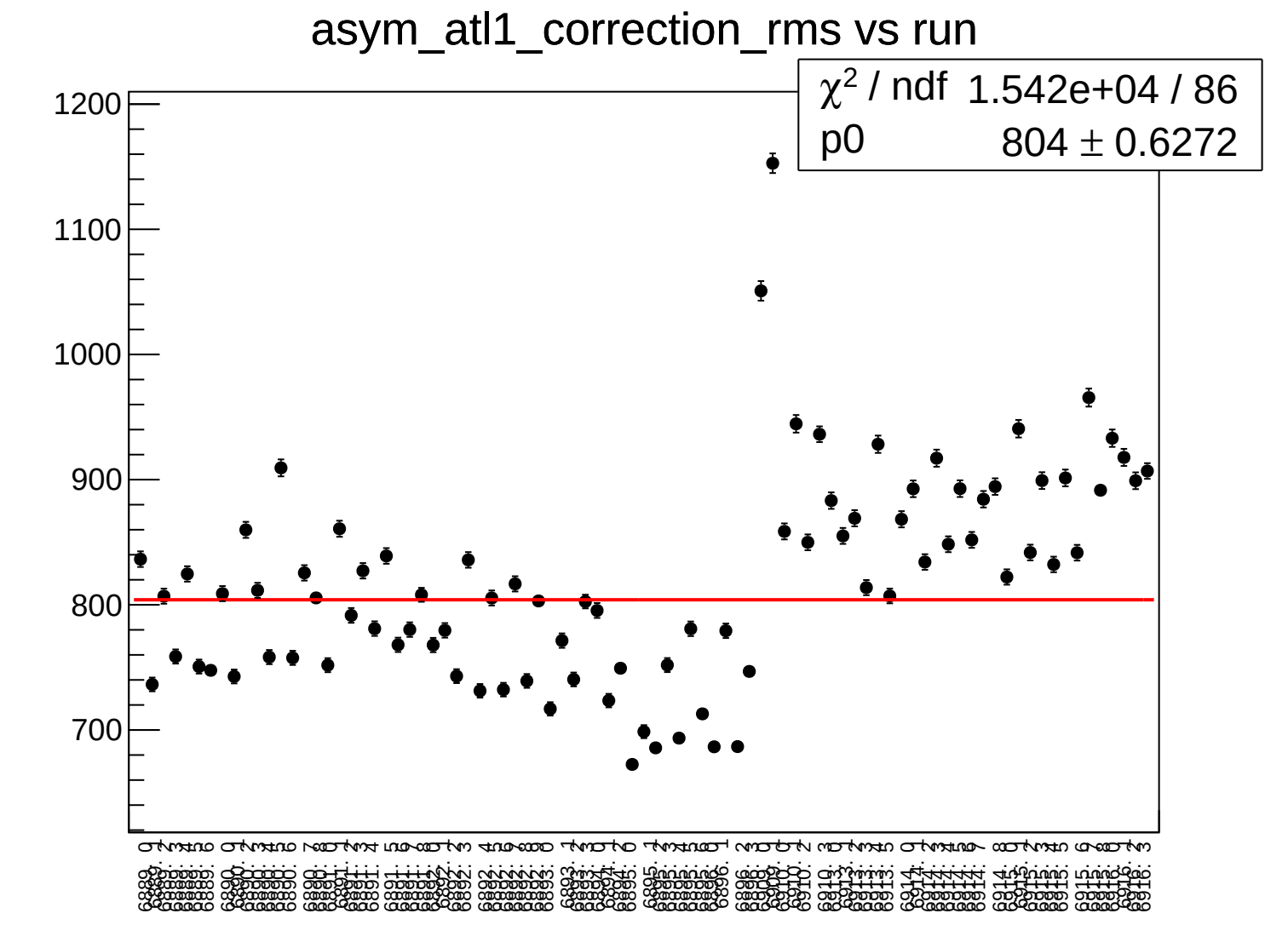

dit_asym_atl1_mean vs run
χ² / ndf 65.33 / 86
p0 −7475 ± 2659
pull
Entries 87
Mean 7622
Std Dev 7578

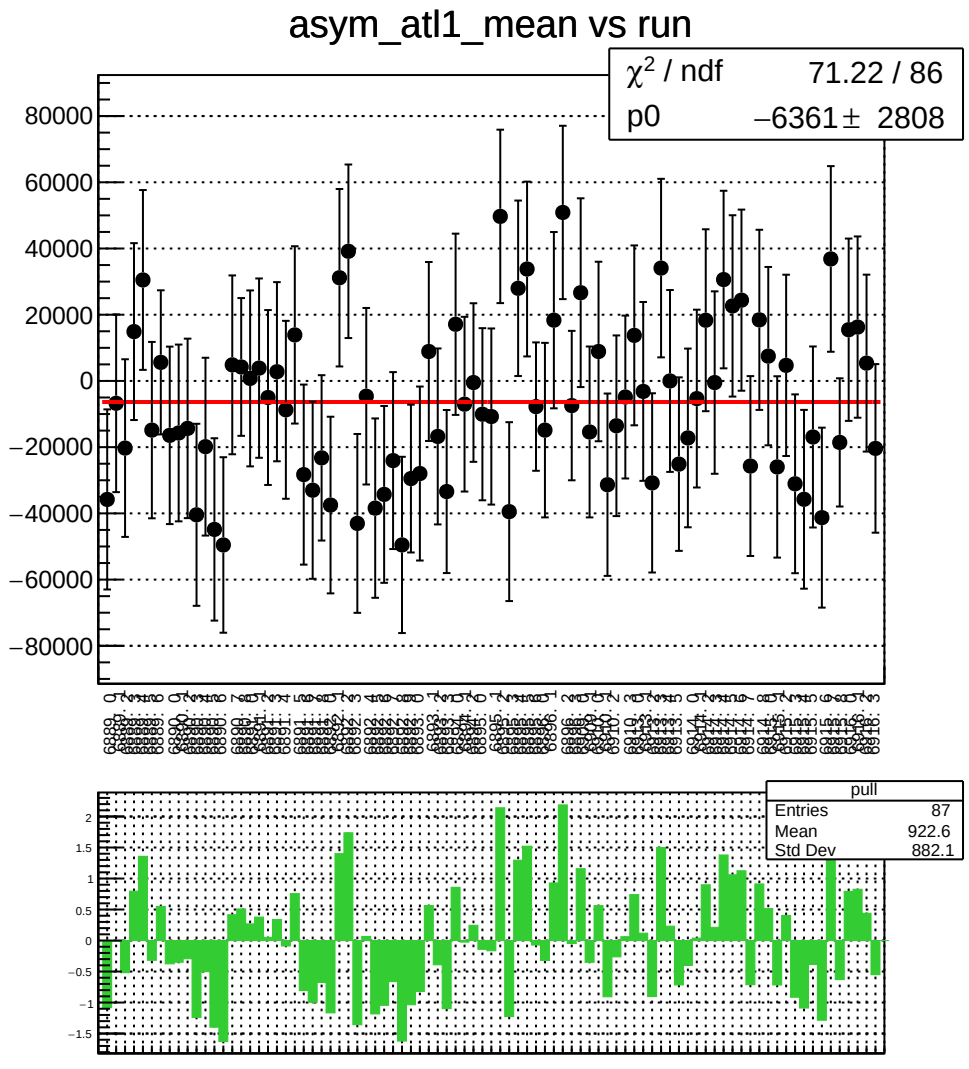

pull1D
Entries 87
Mean 0.0005069
Std Dev 0.8665

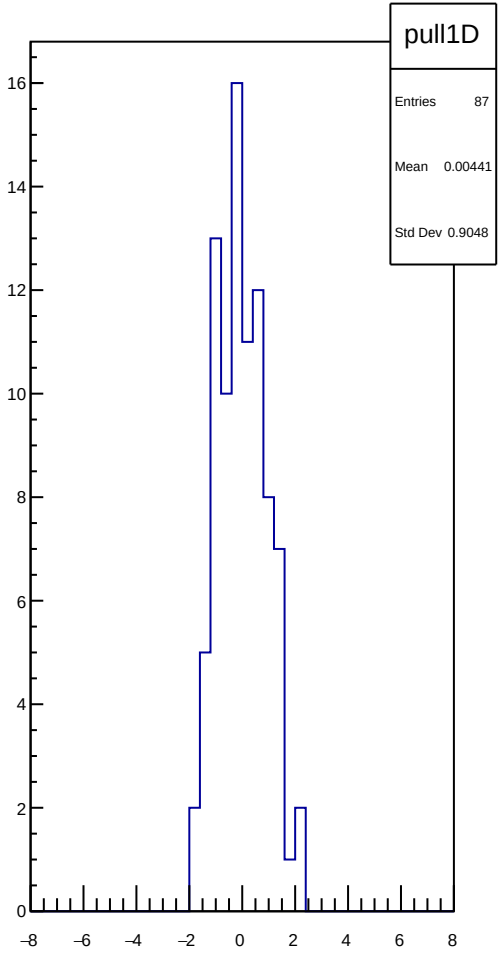

dit_asym_atl1_rms vs run
χ² / ndf 107.1 / 86
p0 2421 ± 1.88
2500
2480
2460
2440
2420
2400
2380
2360

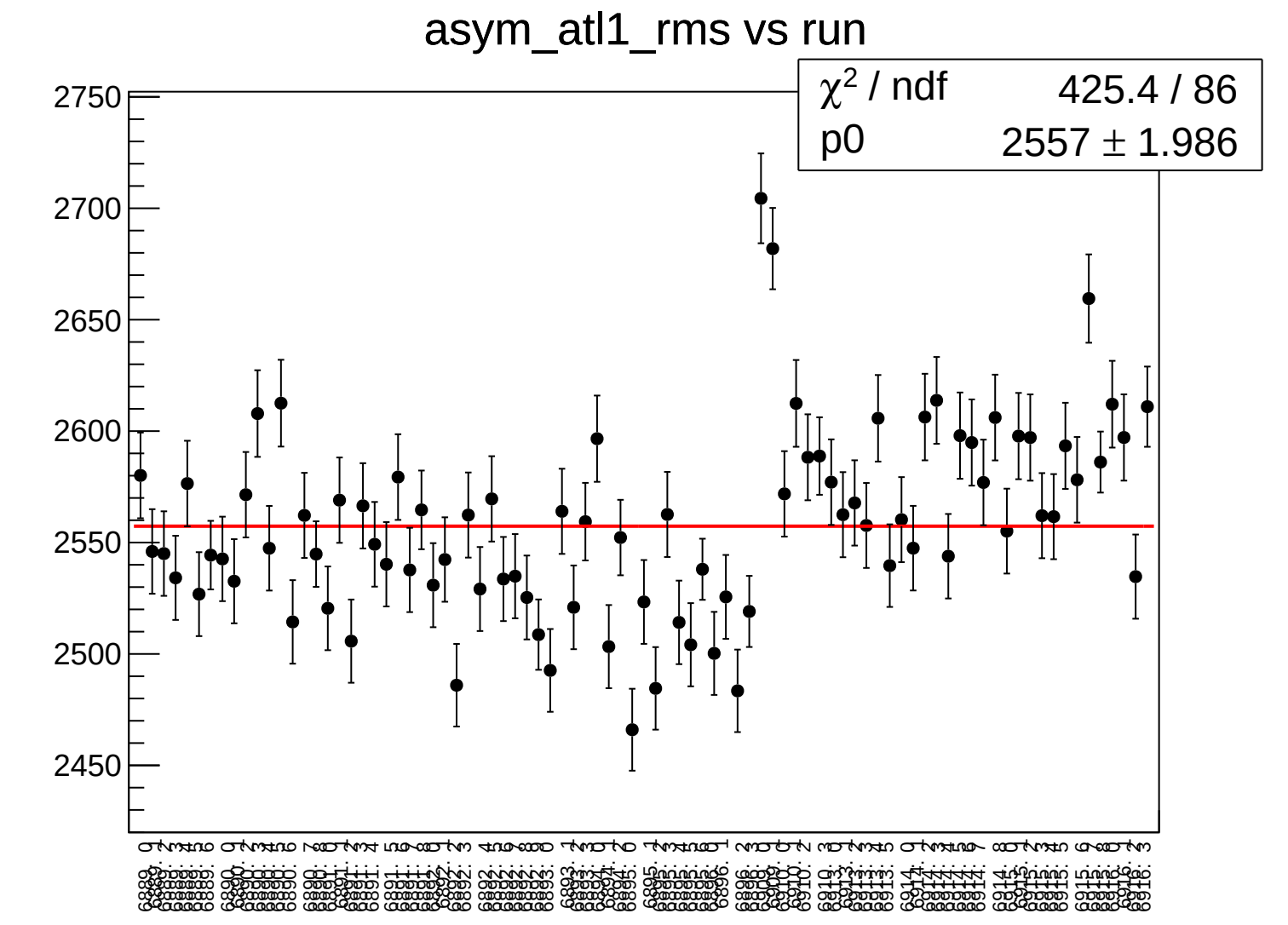

asym_atl1_correction_mean vs run
χ² / ndf 92.91 / 86
p0 −1400 ± 887
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −243.6
Std Dev 231.6
2
1
0
−1
−2

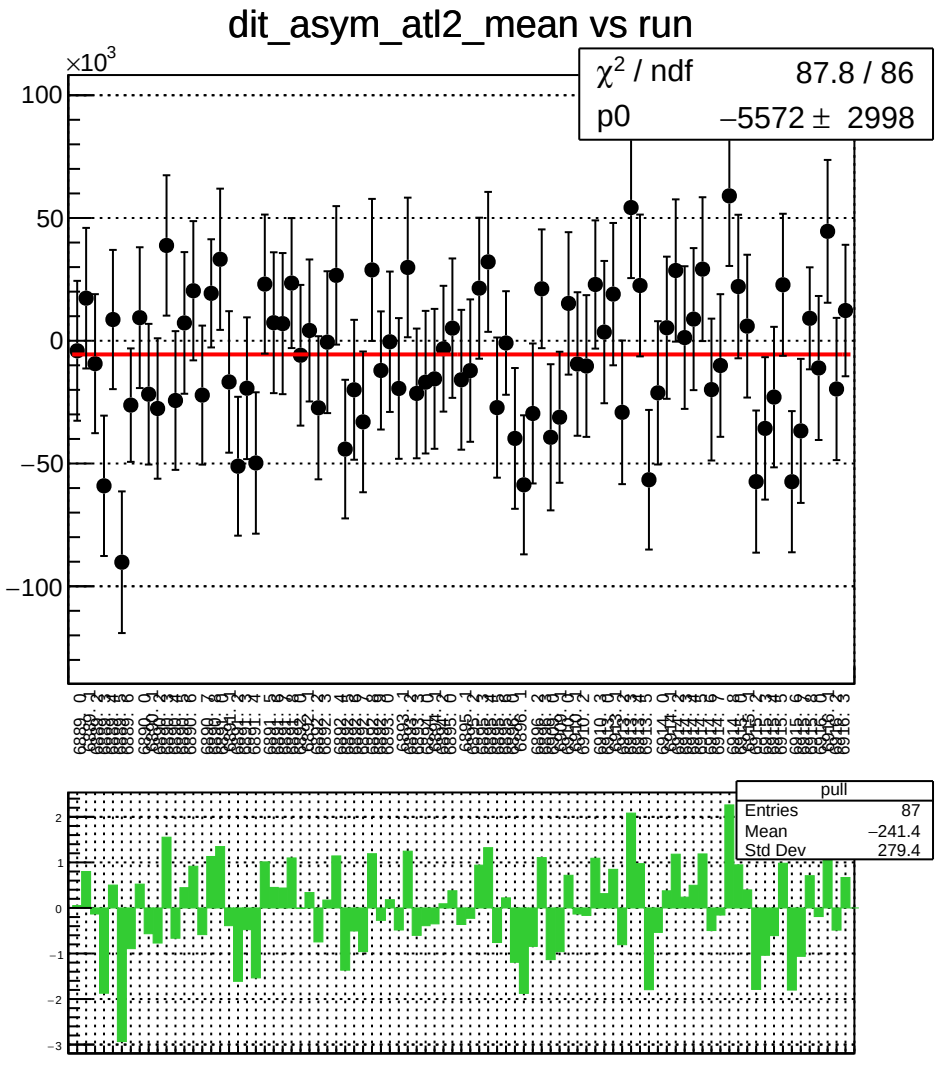

pull1D
Entries 87
Mean 0.003592
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

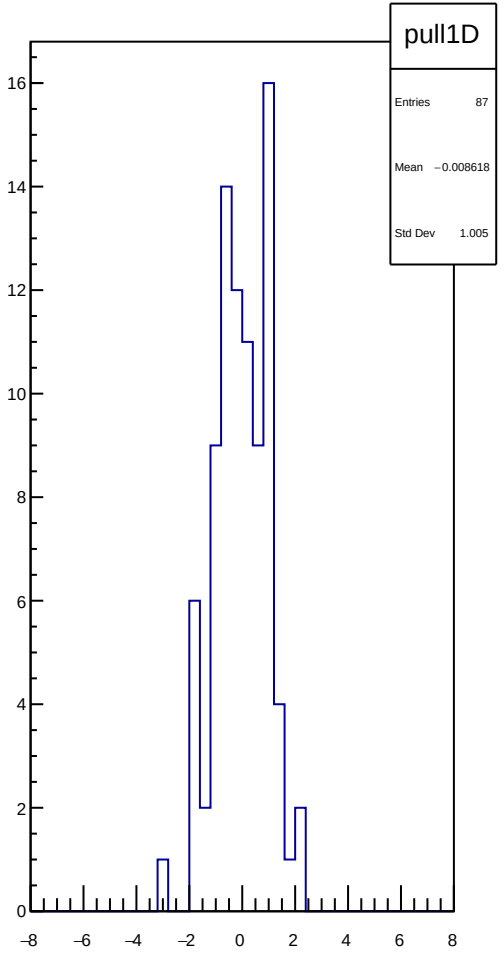

asym_atl1_correction_rms vs run
χ² / ndf 1.542e+04 / 86
p0 804 ± 0.6272
1200
1100
1000
900
800
700

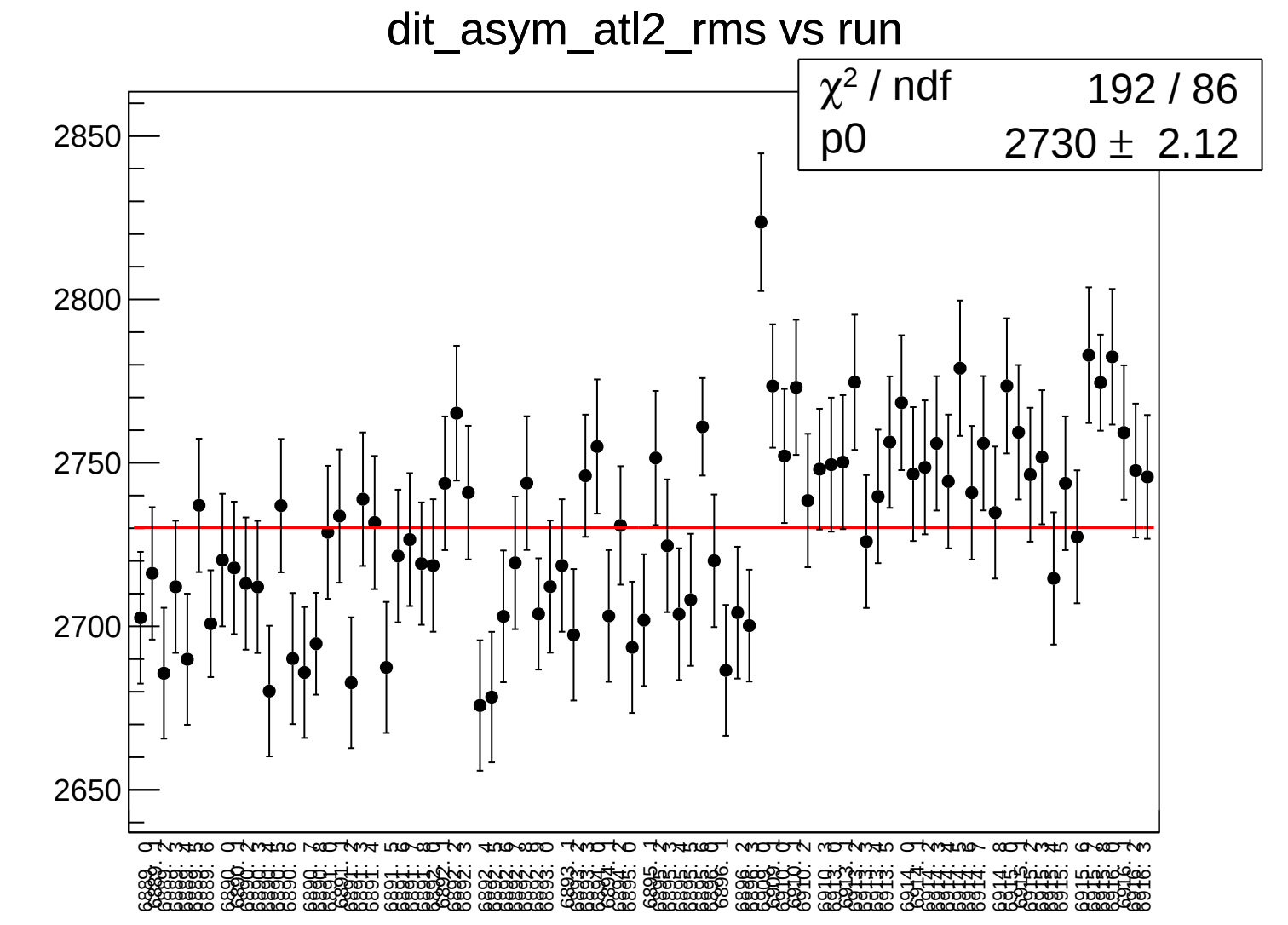

asym_atl1_mean vs run
χ² / ndf 71.22 / 86
p0 −6361 ± 2808
pull
Entries 87
Mean 922.6
Std Dev 882.1

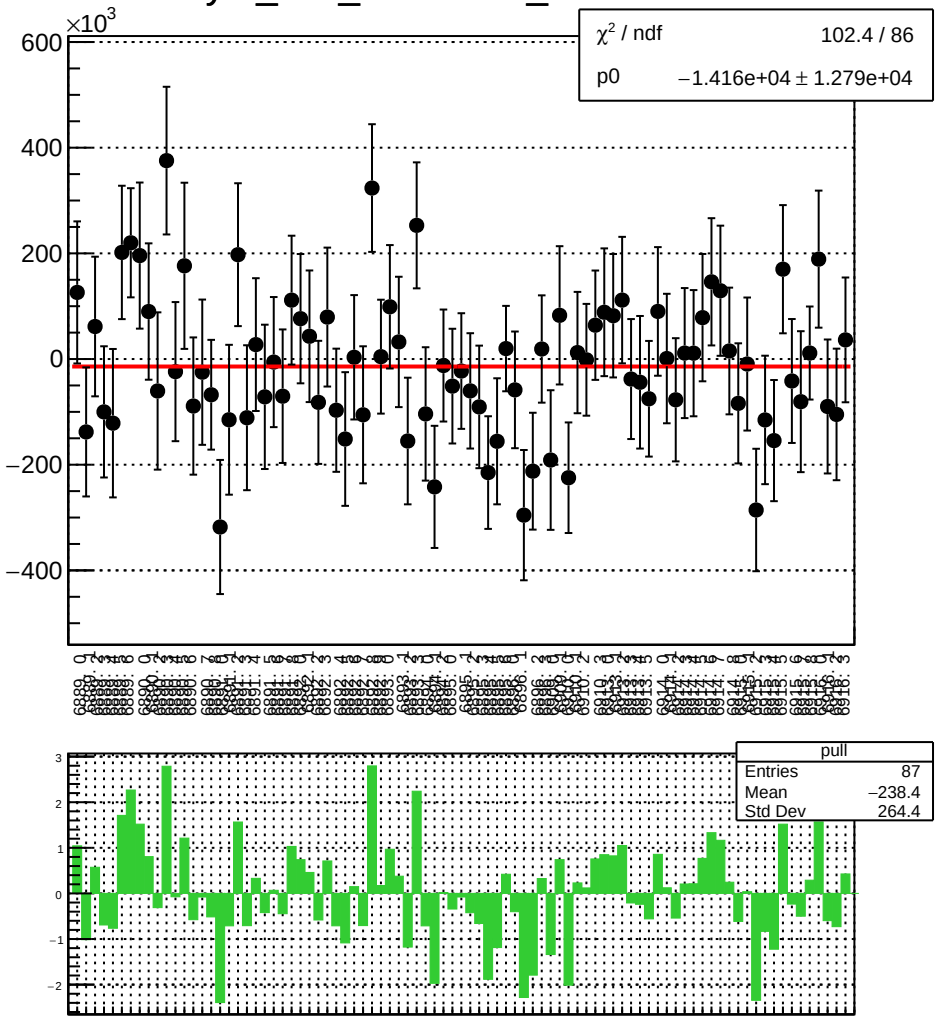

pull1D
Entries 87
Mean 0.00441
Std Dev 0.9048

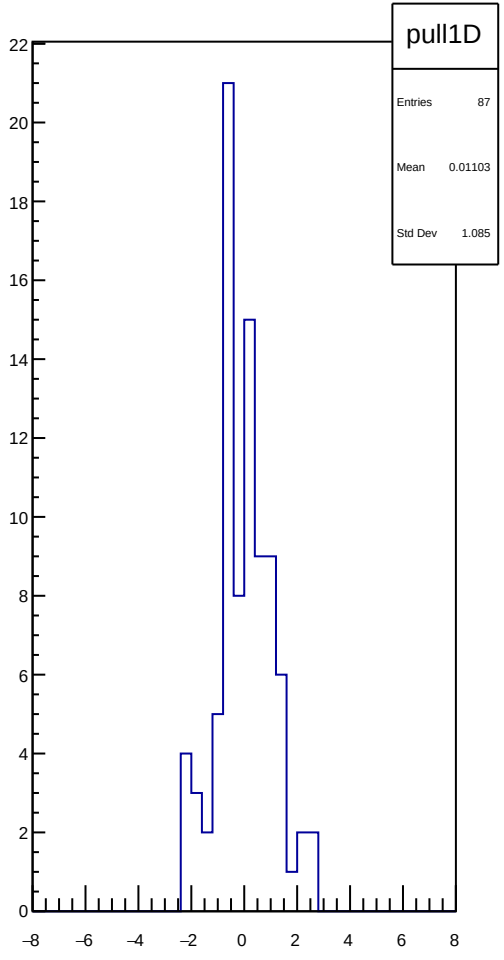

asym_atl1_rms vs run
χ^2 / ndf 425.4 / 86
p0 2557 ± 1.986
2750
2700
2650
2600
2550
2500
2450

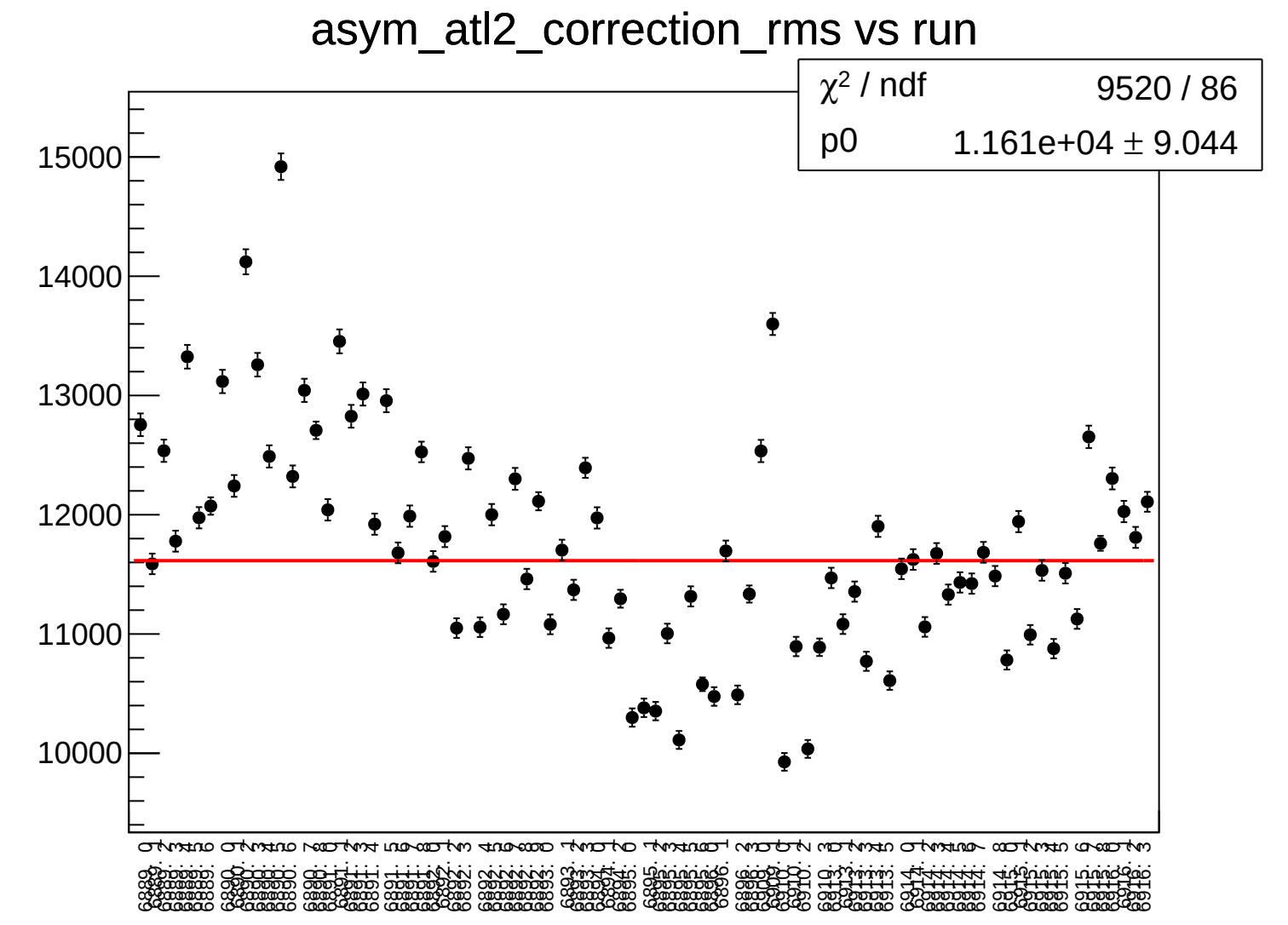

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 87.8 / 86
p0 −5572 ± 2998
100
50
0
−50
−100
pull
Entries 87
Mean −241.4
Std Dev 279.4
2
1
0
−1
−2
−3

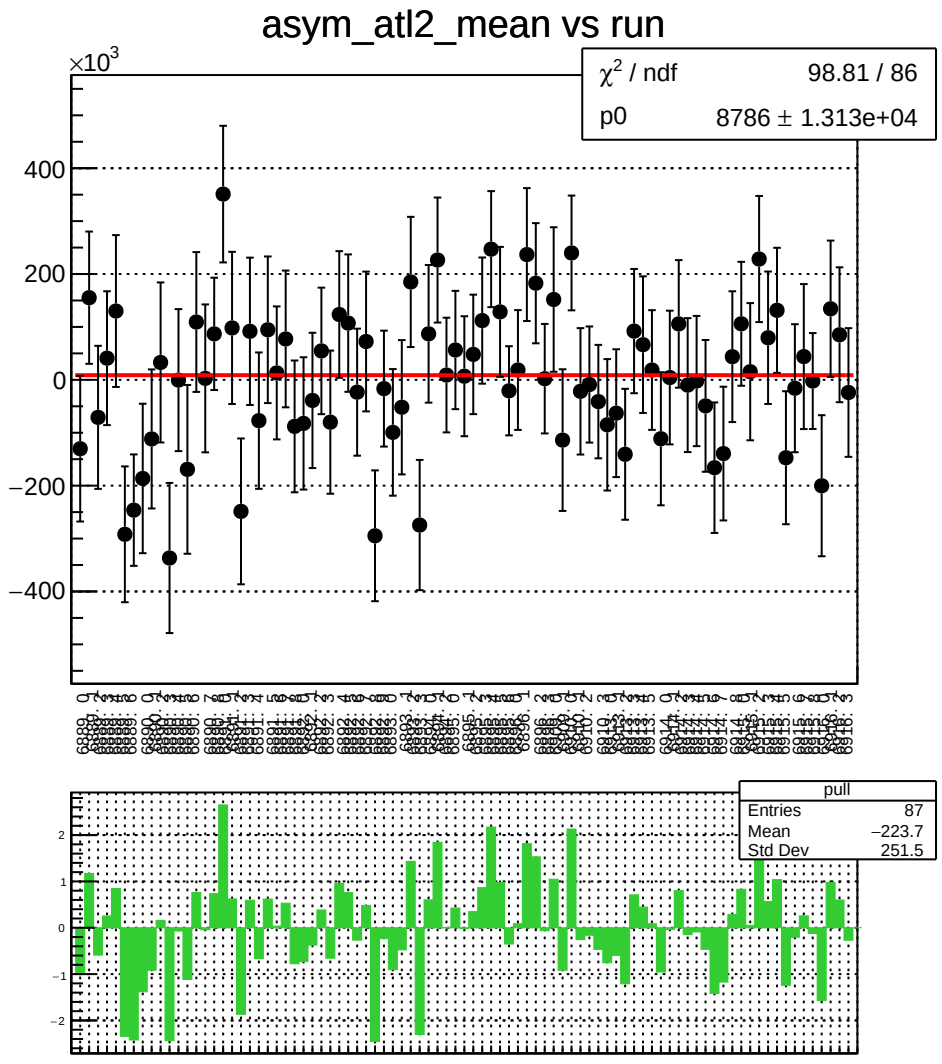

pull1D
Entries 87
Mean −0.008618
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

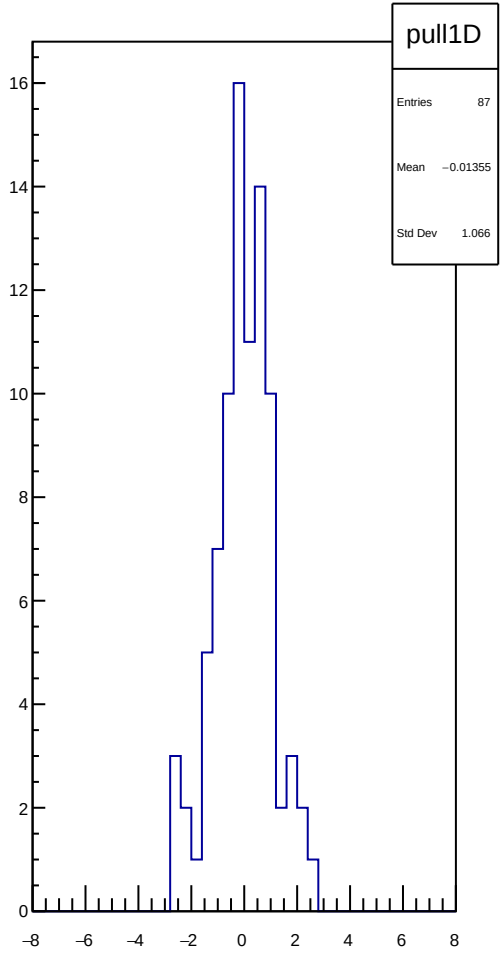

dit_asym_atl2_rms vs run
χ² / ndf 192 / 86
p0 2730 ± 2.12
2850
2800
2750
2700
2650

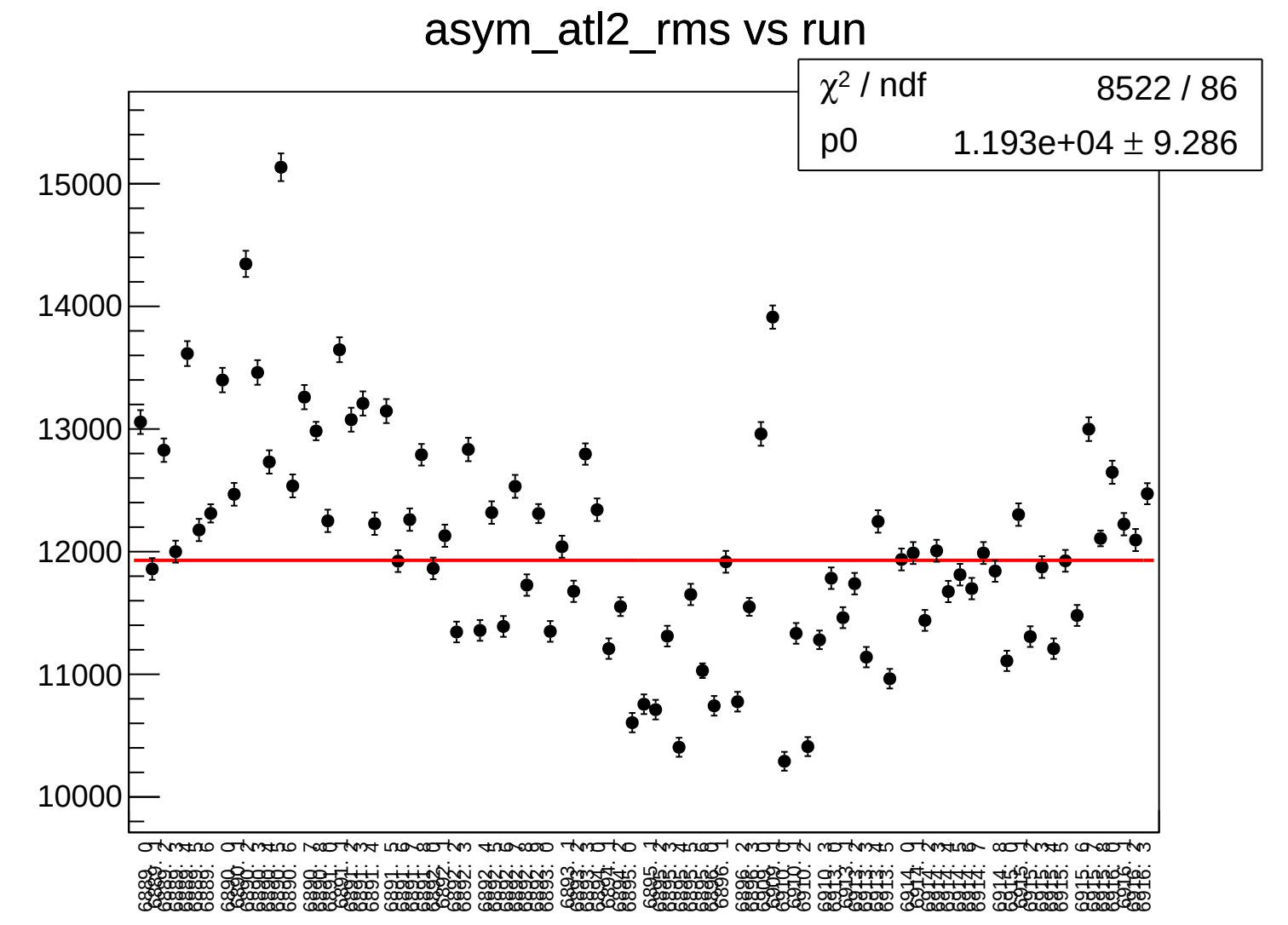

asym_atl2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 102.4 / 86
p0 −1.416e+04 ± 1.279e+04
pull
Entries 87
Mean −238.4
Std Dev 264.4
3
2
1
0
−1
−2

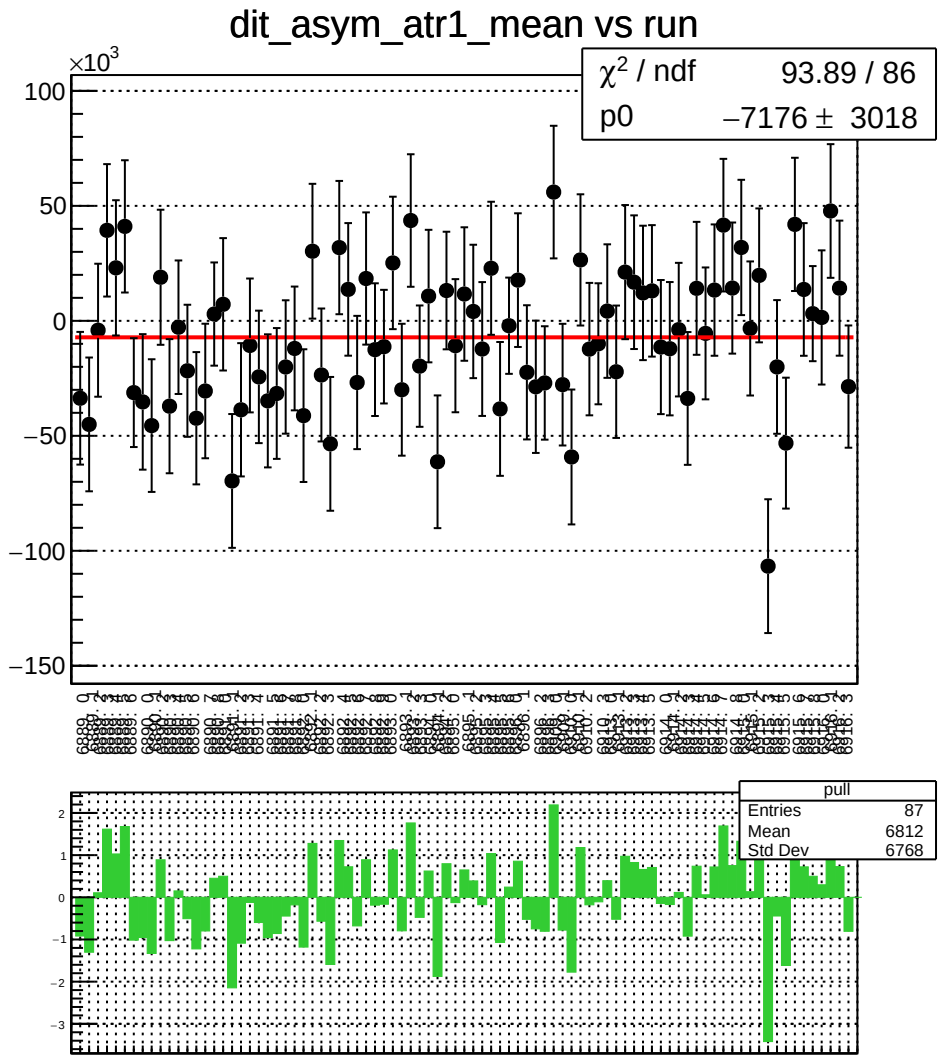

pull1D
Entries 87
Mean 0.01103
Std Dev 1.085
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

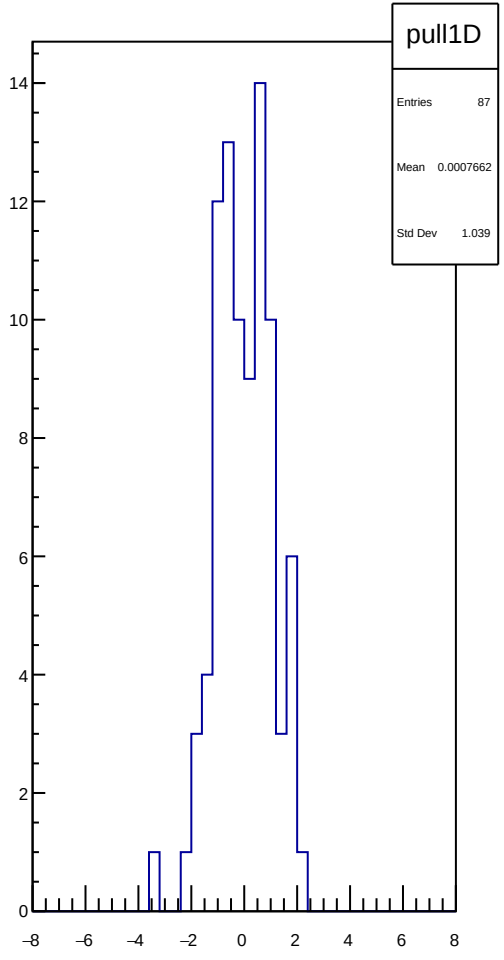

asym_atl2_correction_rms vs run
χ² / ndf 9520 / 86
p0 1.161e+04 ± 9.044
15000
14000
13000
12000
11000
10000

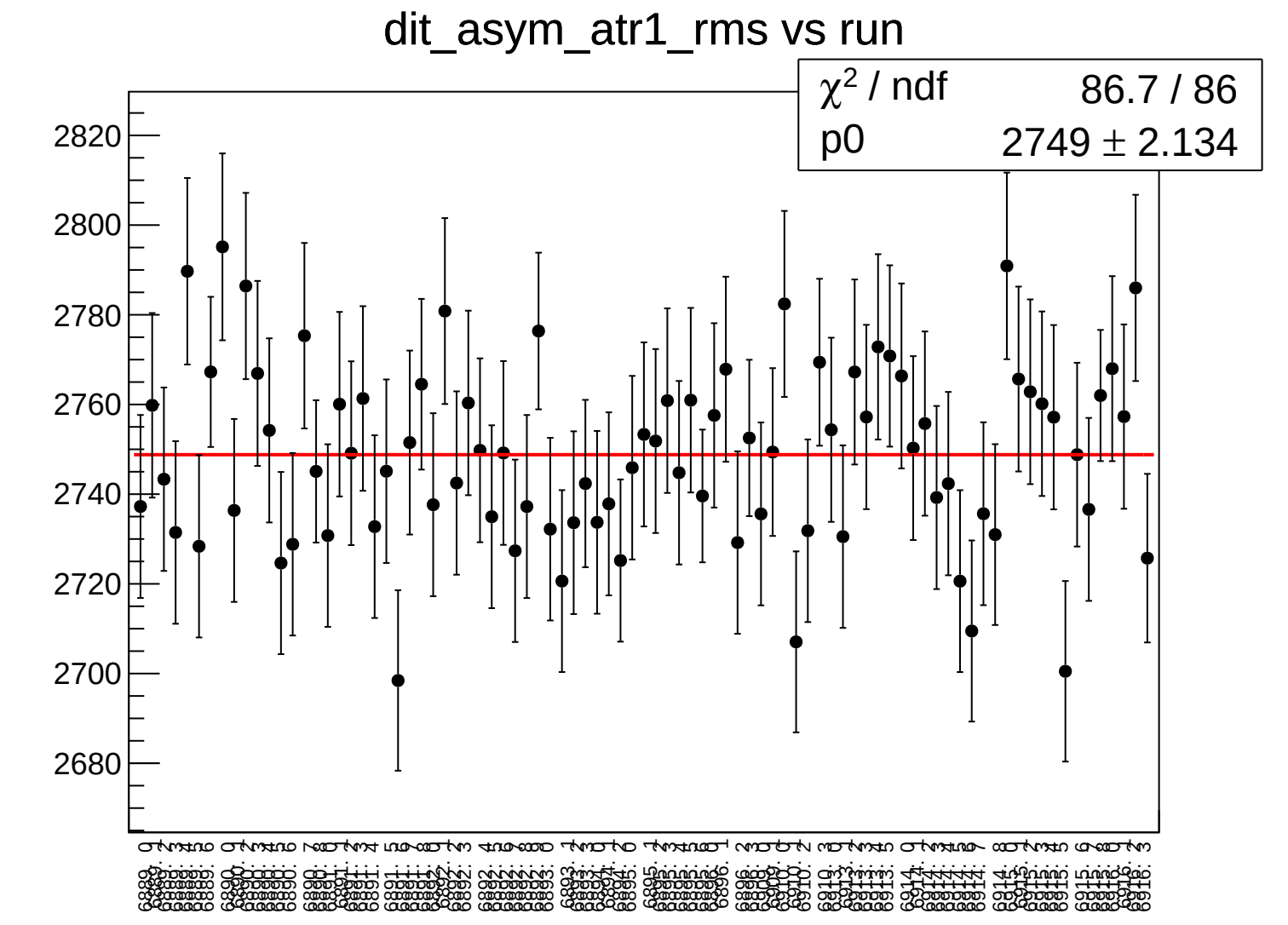

asym_atl2_mean vs run
×10^3
χ² / ndf 98.81 / 86
p0 8786 ± 1.313e+04
400
200
0
−200
−400
pull
Entries 87
Mean −223.7
Std Dev 251.5
2
1
0
−1
−2

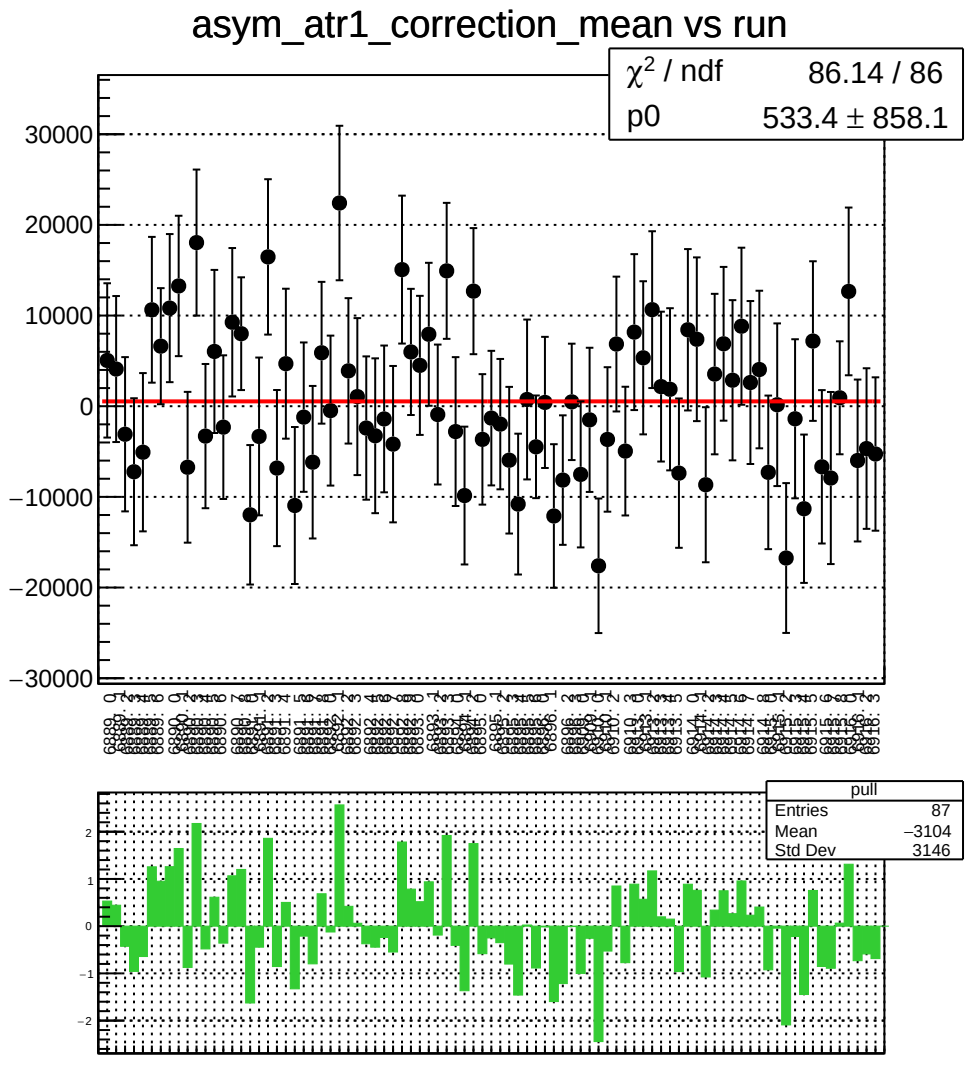

pull1D
Entries 87
Mean −0.01355
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

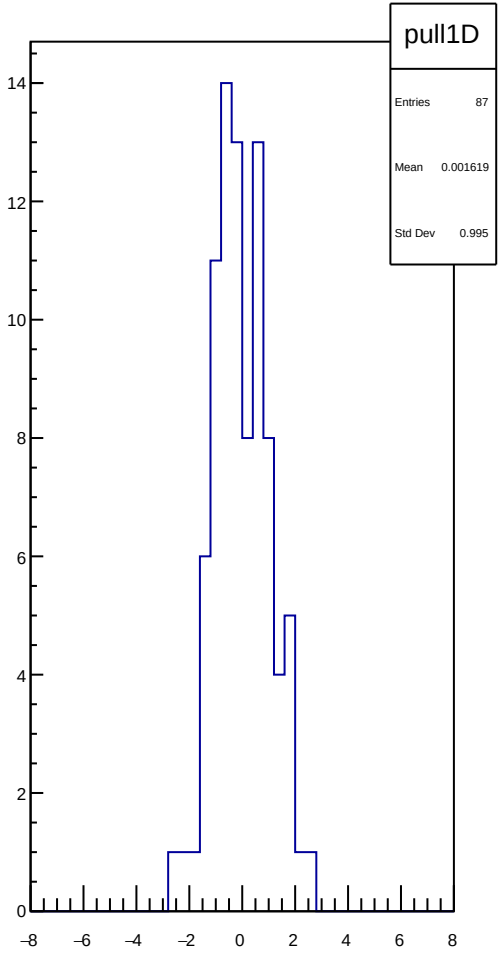

asym_atl2_rms vs run
χ² / ndf 8522 / 86
p0 1.193e+04 ± 9.286
15000
14000
13000
12000
11000
10000

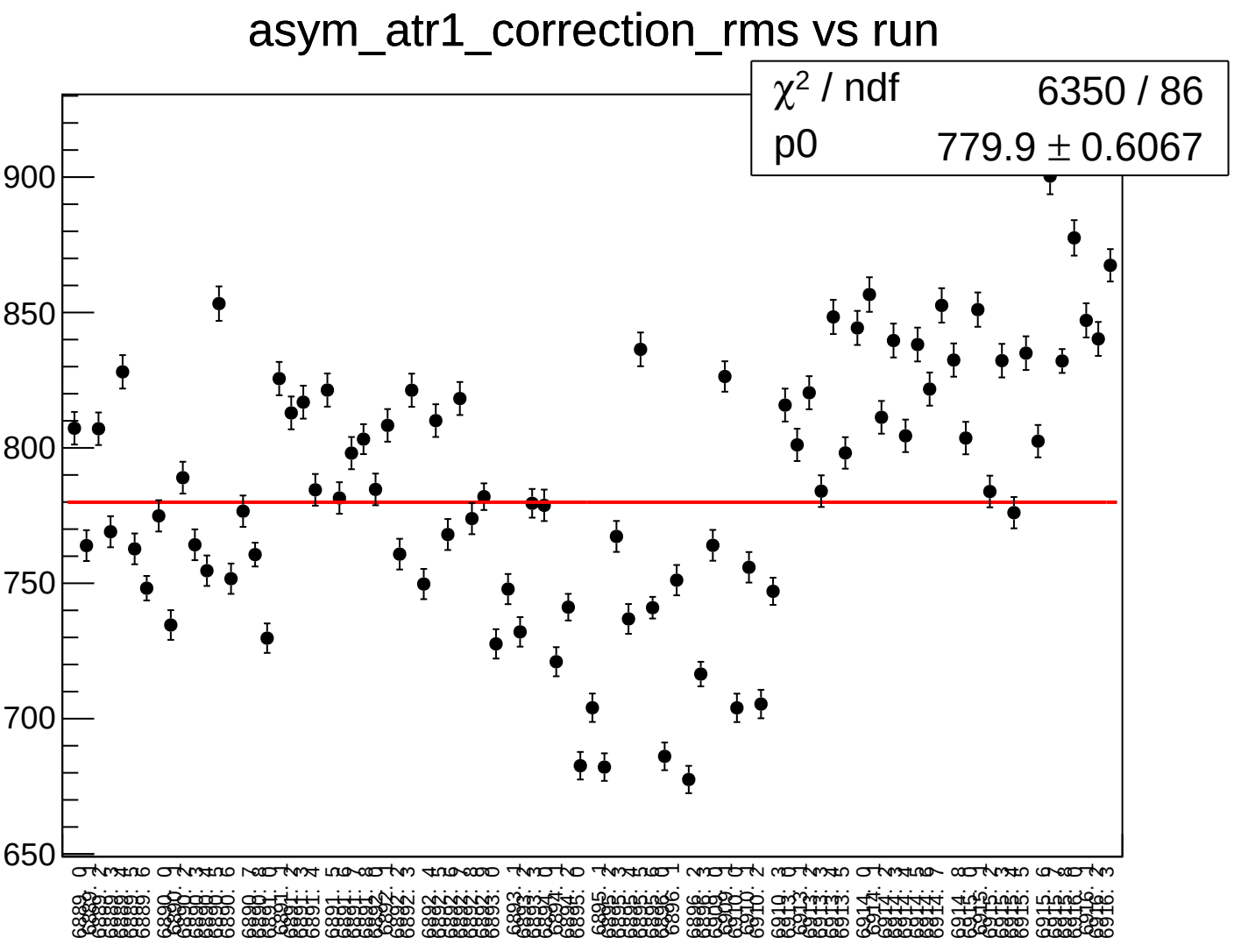

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 93.89 / 86
p0 −7176 ± 3018
100
50
0
−50
−100
−150
pull
Entries 87
Mean 6812
Std Dev 6768
2
1
0
−1
−2
−3

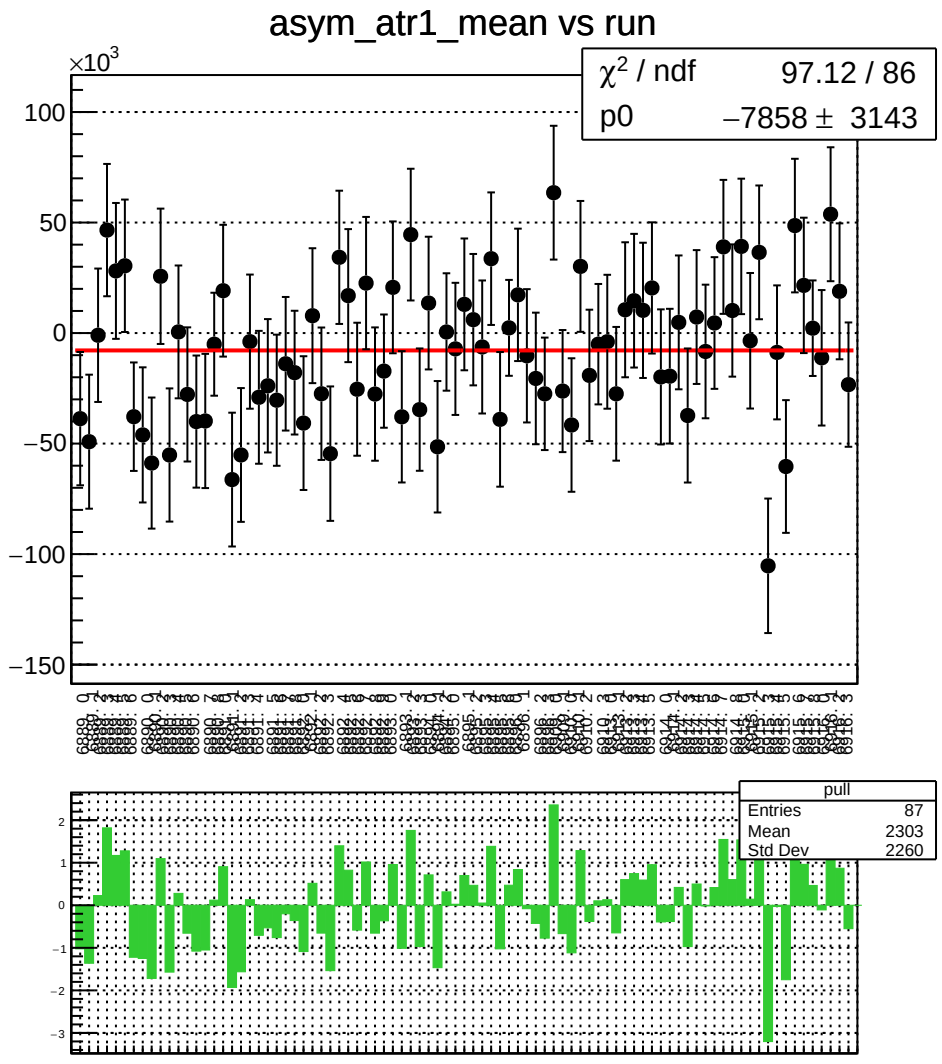

pull1D
Entries 87
Mean 0.0007662
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

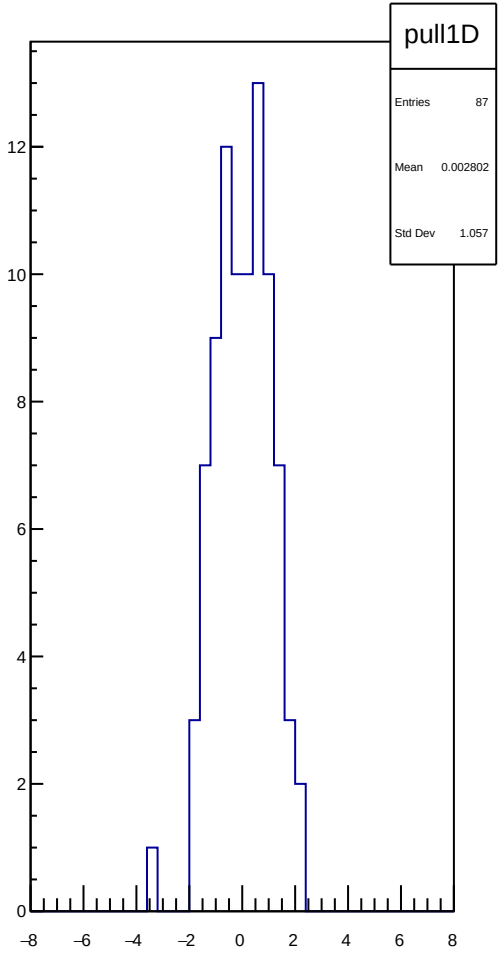

dit_asym_atr1_rms vs run
χ^2 / ndf 86.7 / 86
p0 2749 ± 2.134
2820
2800
2780
2760
2740
2720
2700
2680

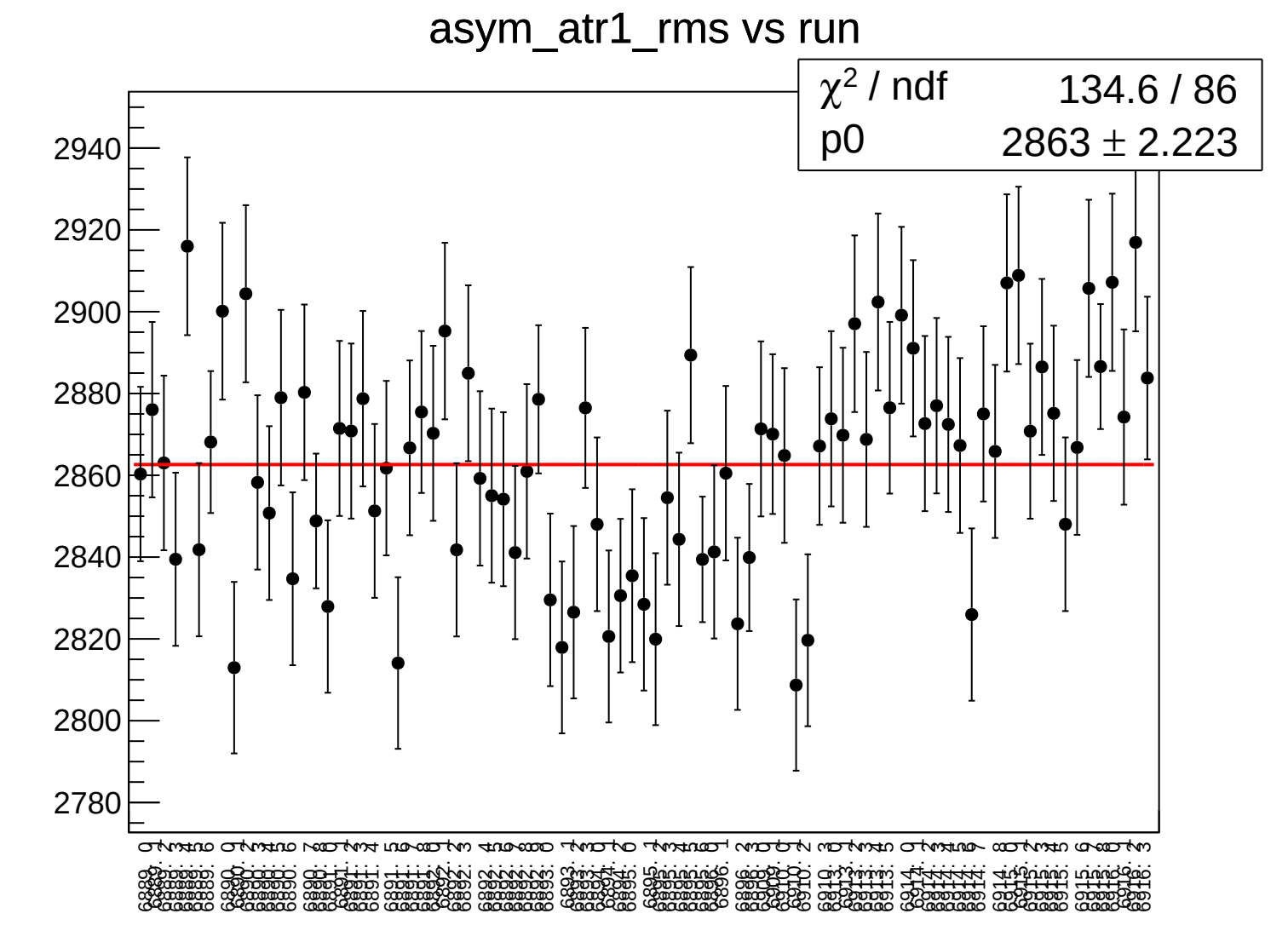

asym_atr1_correction_mean vs run
χ² / ndf 86.14 / 86
p0 533.4 ± 858.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −3104
Std Dev 3146
2
1
0
−1
−2

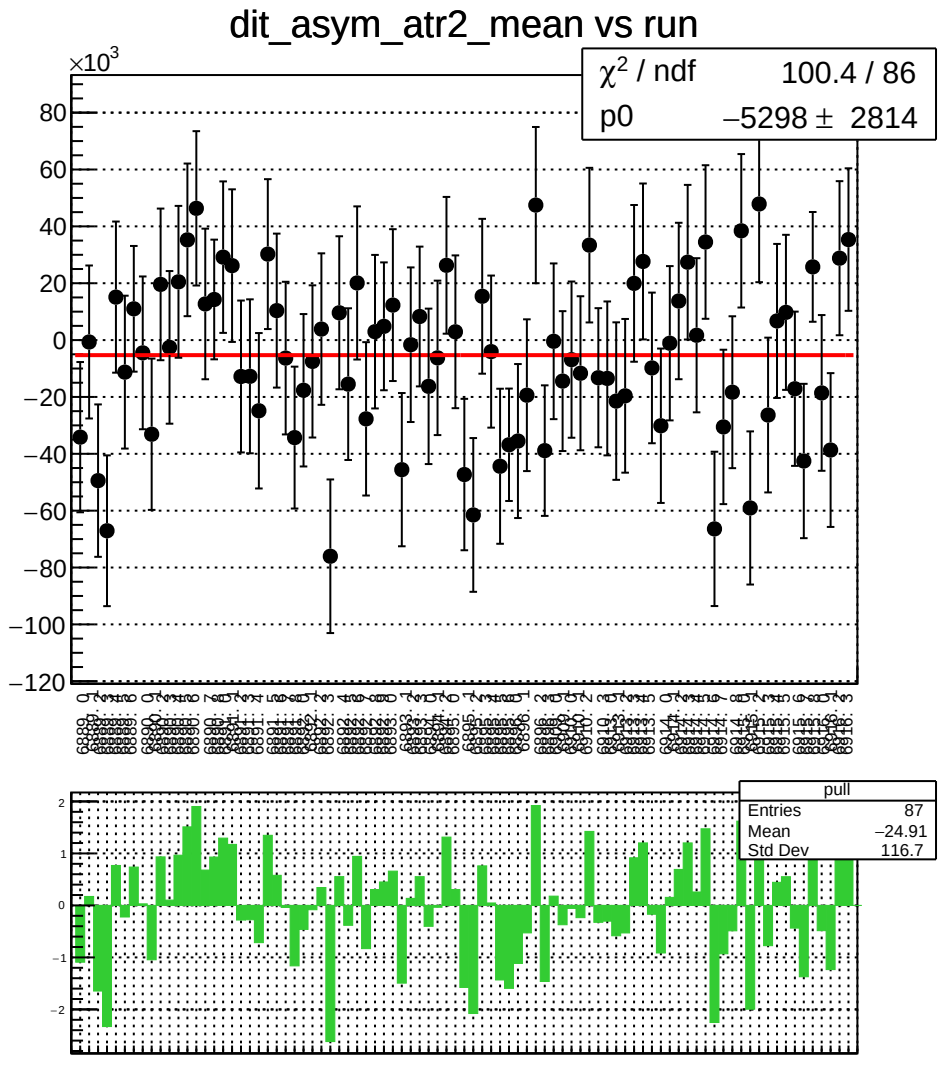

pull1D
Entries 87
Mean 0.001619
Std Dev 0.995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

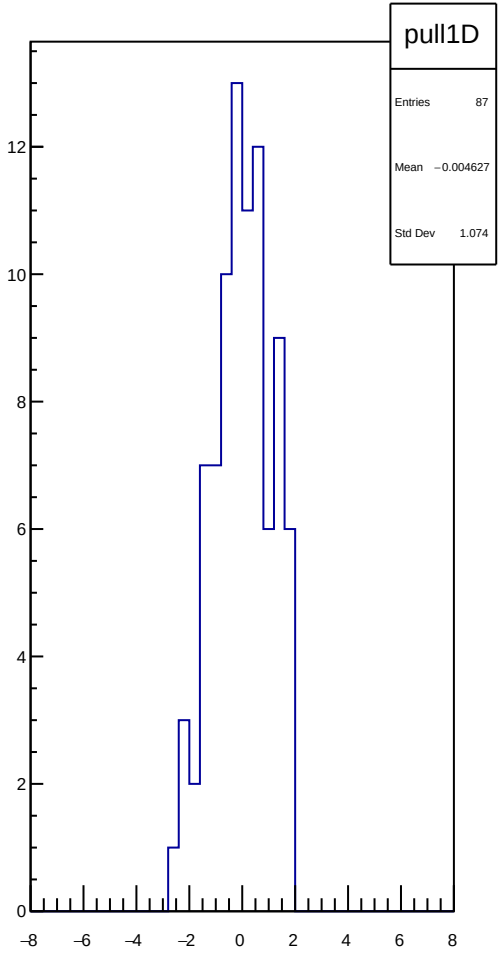

asym_atr1_correction_rms vs run
χ² / ndf 6350 / 86
p0 779.9 ± 0.6067
900
850
800
750
700
650

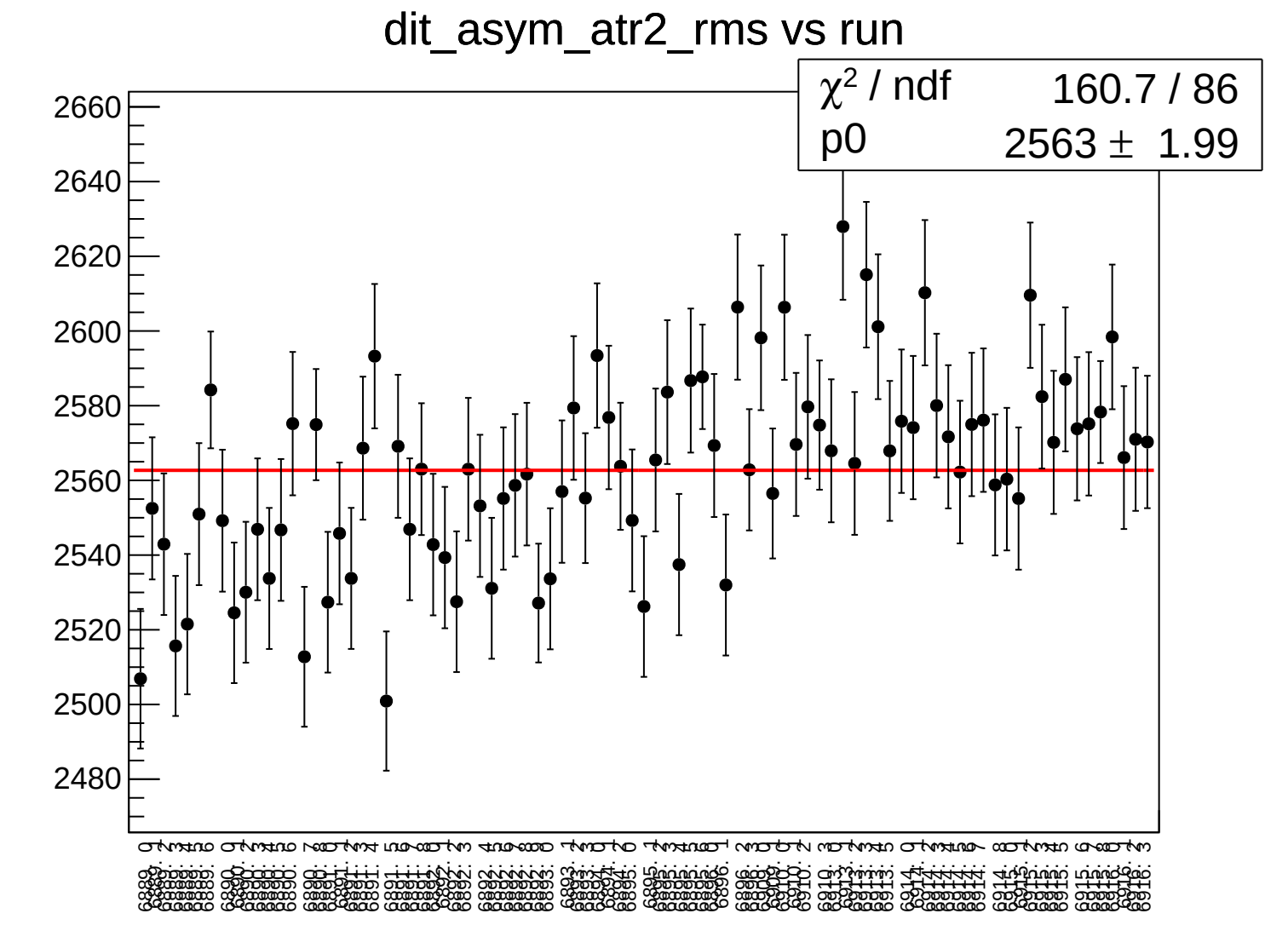

asym_atr1_mean vs run
×10^3
χ² / ndf 97.12 / 86
p0 −7858 ± 3143
100
50
0
−50
−100
−150
pull
Entries 87
Mean 2303
Std Dev 2260
2
1
0
−1
−2
−3

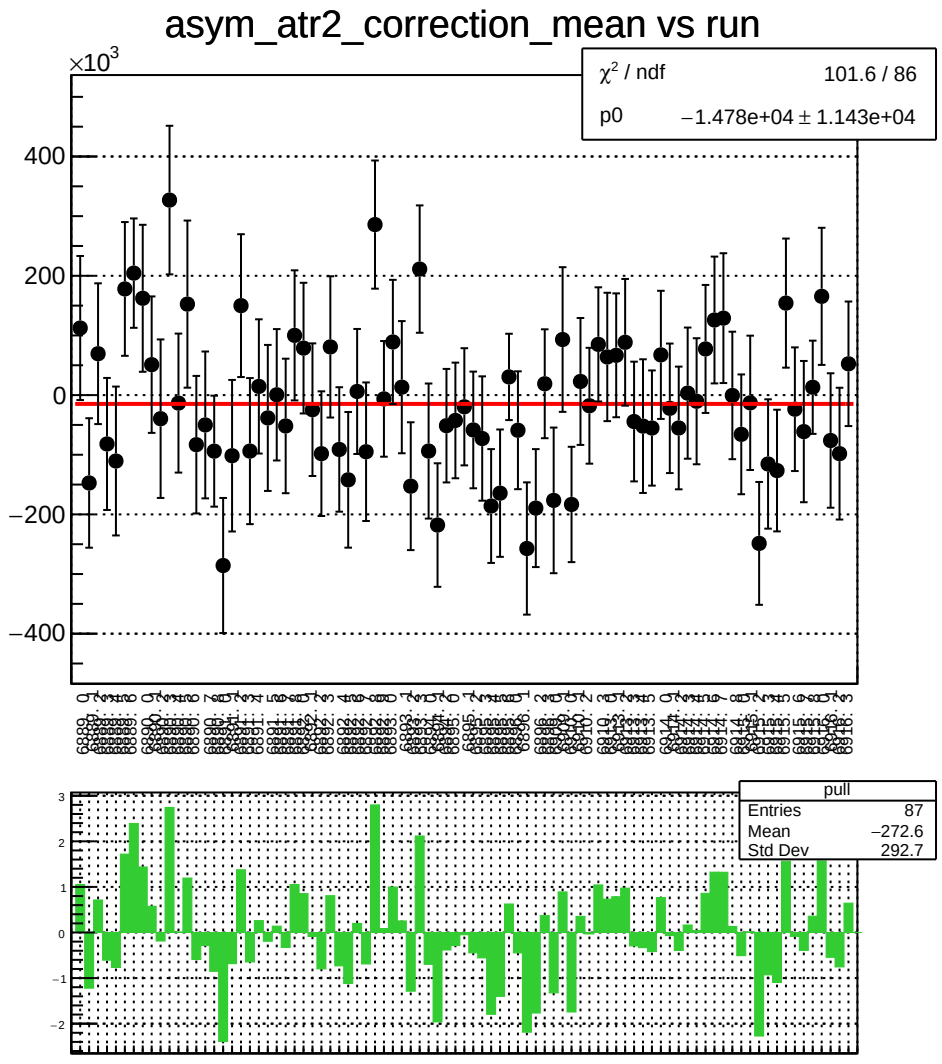

pull1D
Entries 87
Mean 0.002802
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

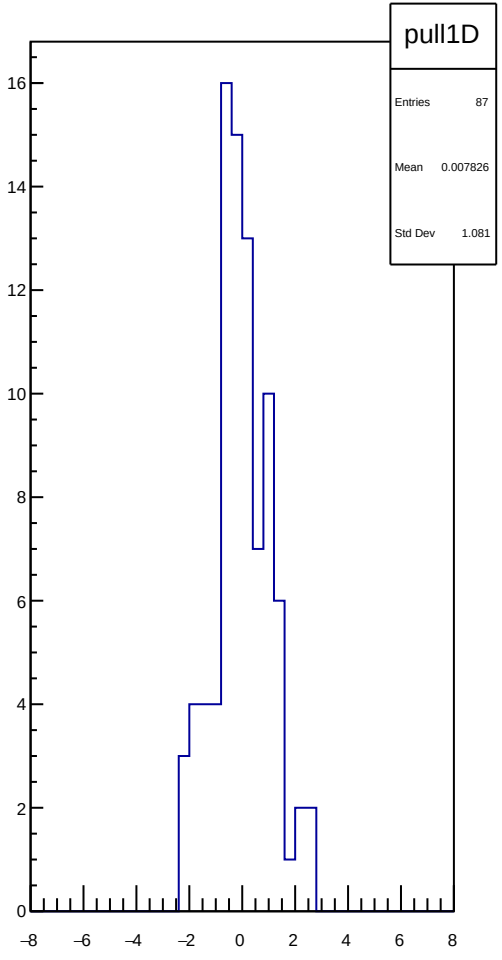

asym_atr1_rms vs run
χ^2 / ndf 134.6 / 86
p0 2863 ± 2.223
2940
2920
2900
2880
2860
2840
2820
2800
2780

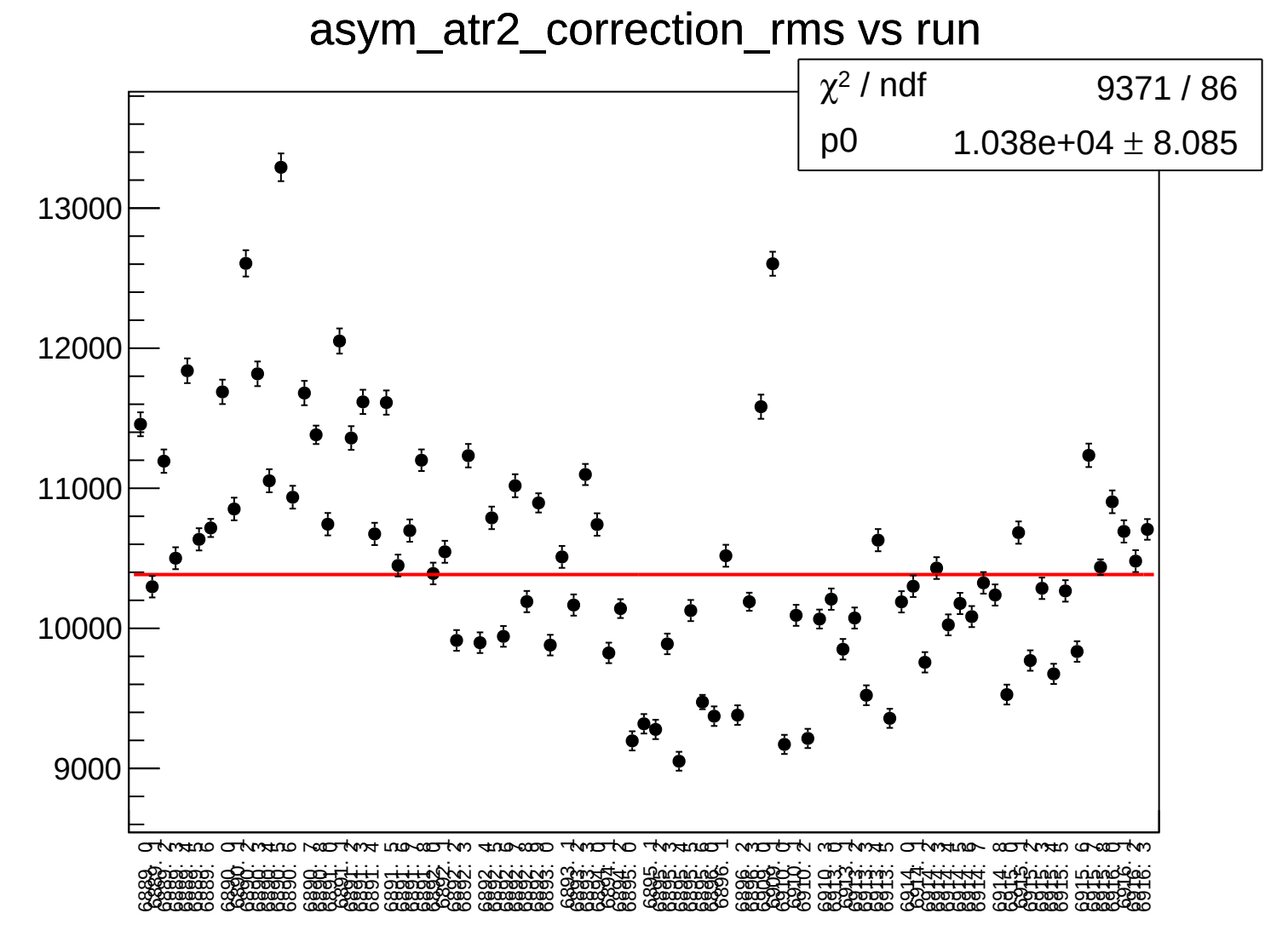

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 100.4 / 86
p0 −5298 ± 2814
pull
Entries 87
Mean −24.91
Std Dev 116.7

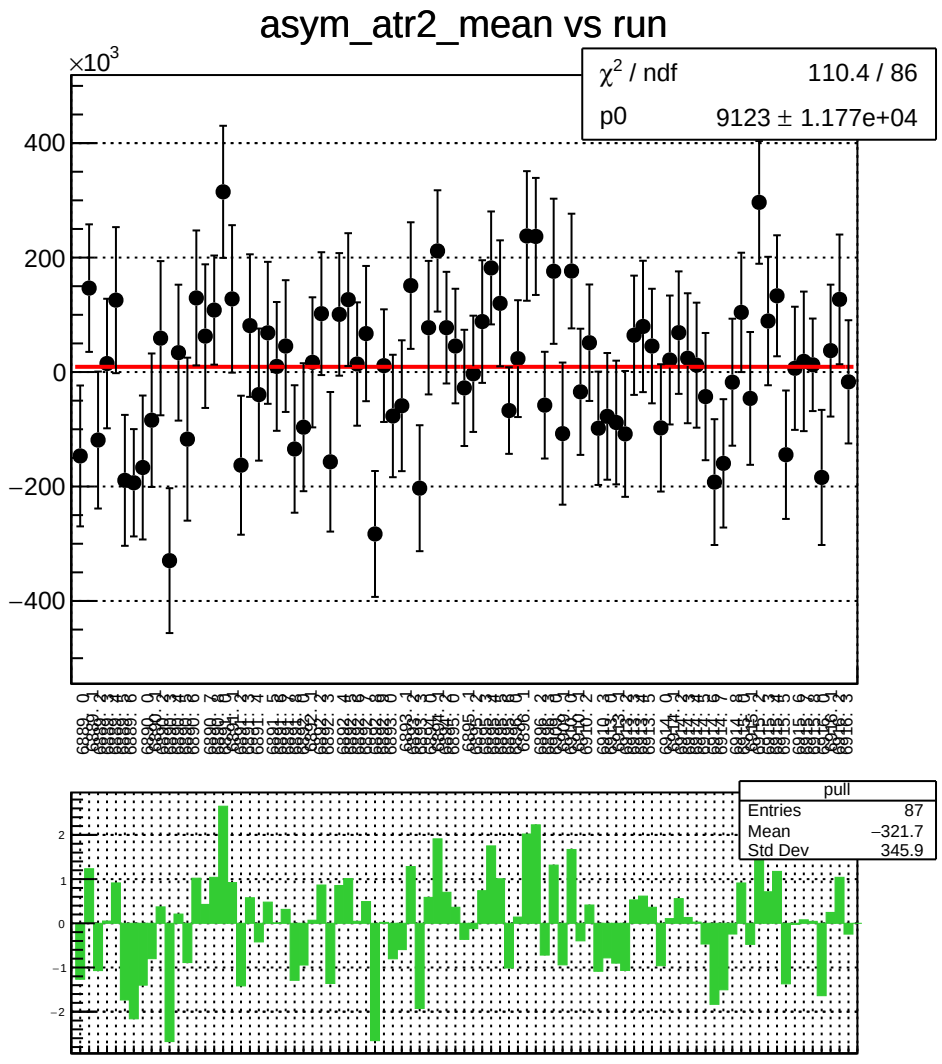

pull1D
Entries 87
Mean −0.004627
Std Dev 1.074

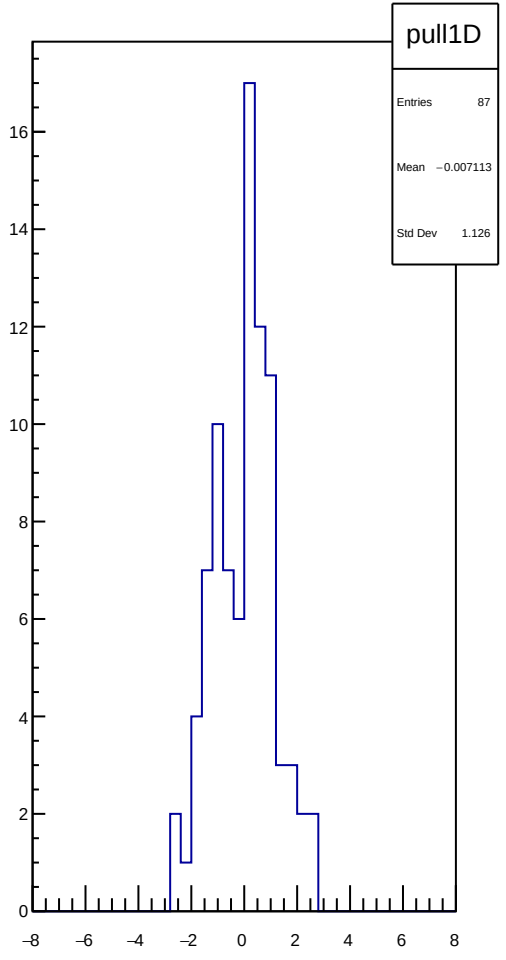

dit_asym_atr2_rms vs run
χ² / ndf 160.7 / 86
p0 2563 ± 1.99
2660
2640
2620
2600
2580
2560
2540
2520
2500
2480

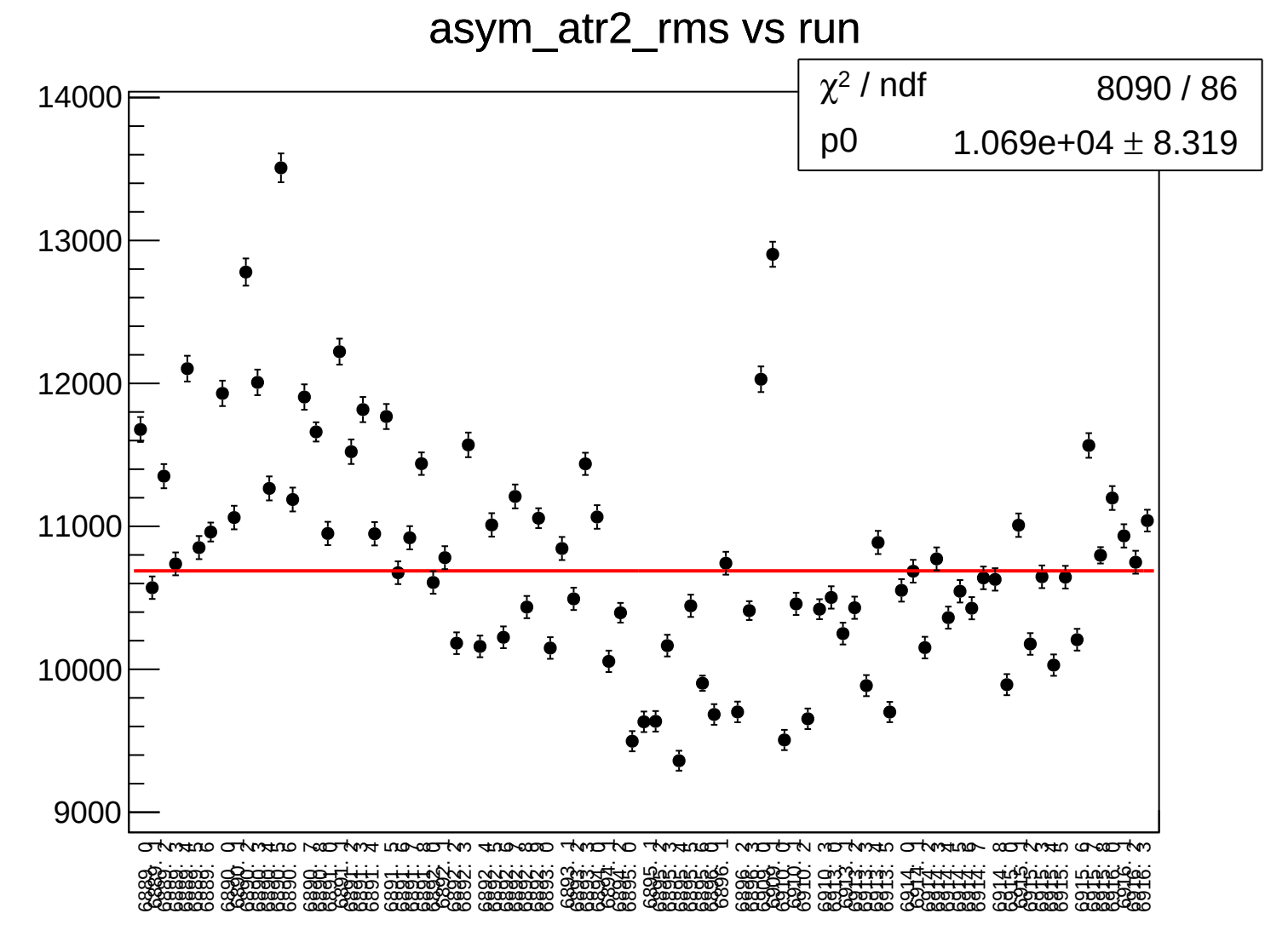

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 101.6 / 86
p0 −1.478e+04 ± 1.143e+04
400
200
0
−200
−400
pull
Entries 87
Mean −272.6
Std Dev 292.7
3
2
1
0
−1
−2

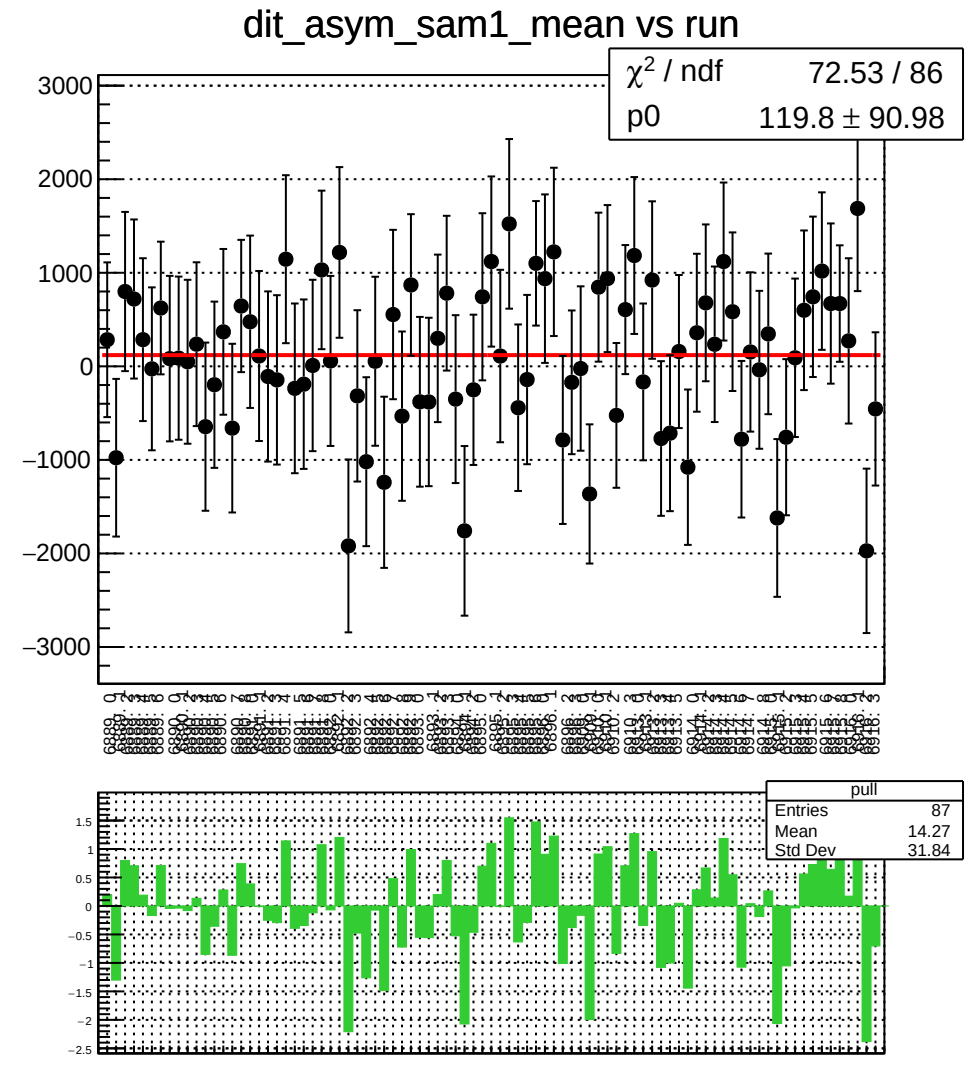

pull1D
Entries 87
Mean 0.007826
Std Dev 1.081
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

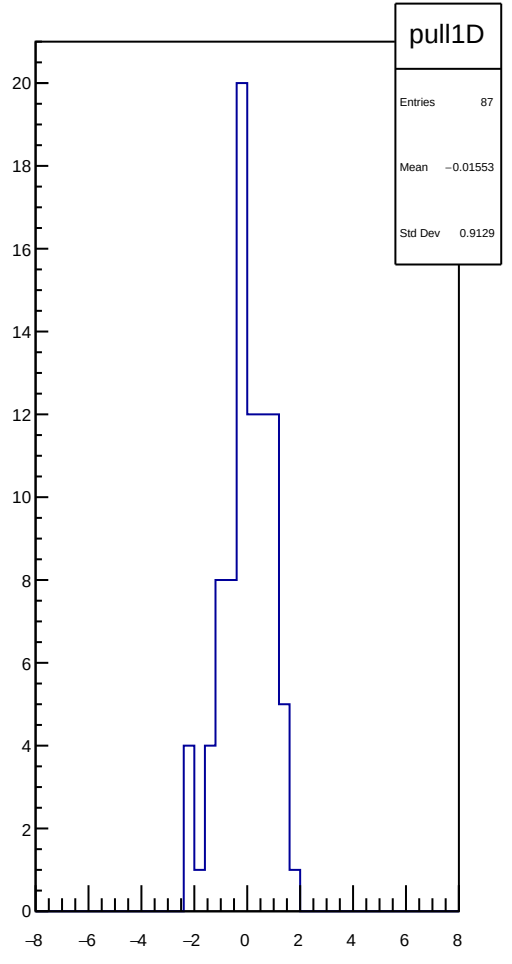

asym_atr2_correction_rms vs run
χ² / ndf 9371 / 86
p0 1.038e+04 ± 8.085
13000
12000
11000
10000
9000

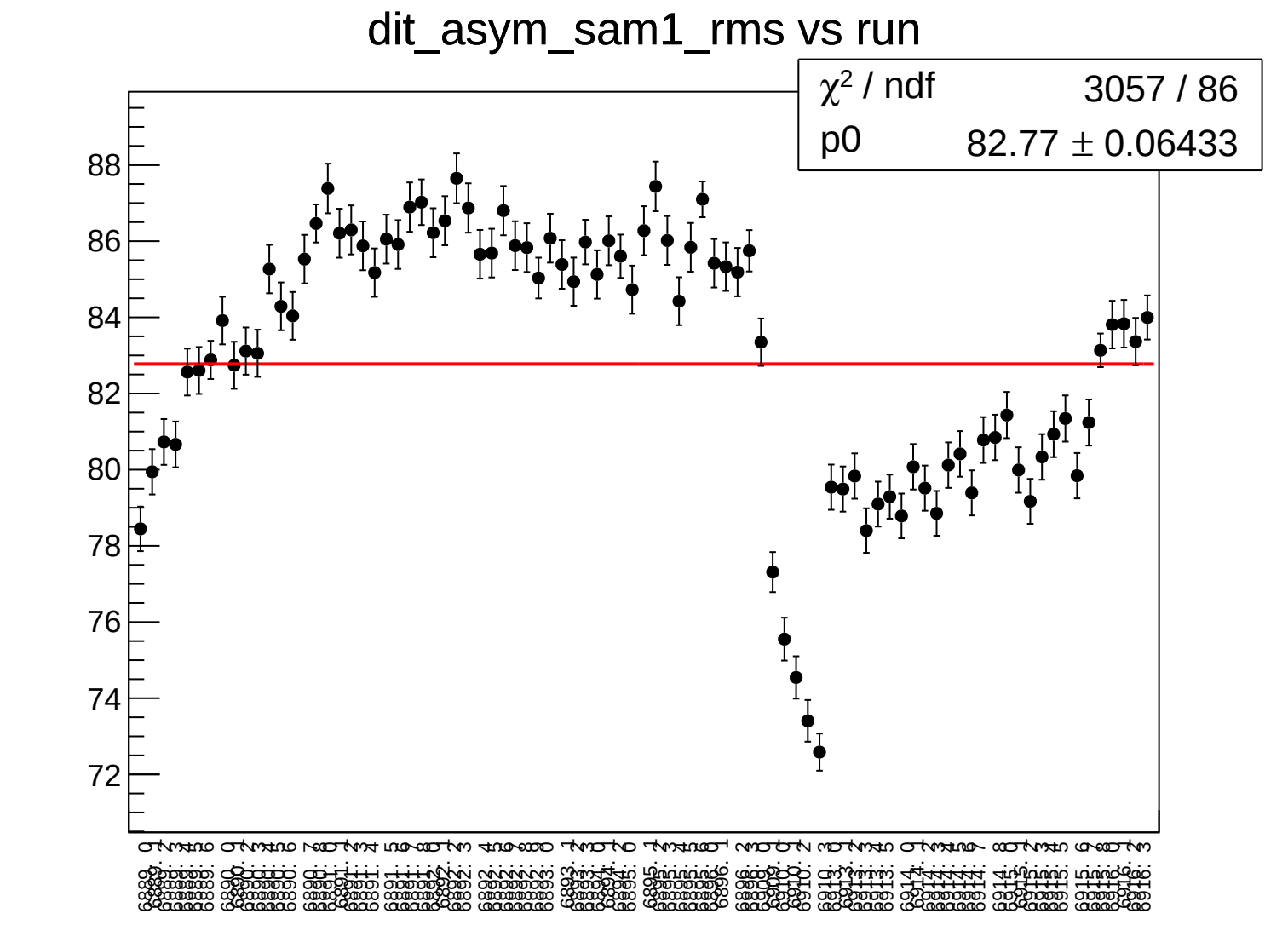

asym_atr2_mean vs run
×10^3
χ² / ndf 110.4 / 86
p0 9123 ± 1.177e+04
400
200
0
−200
−400
pull
Entries 87
Mean −321.7
Std Dev 345.9
2
1
0
−1
−2

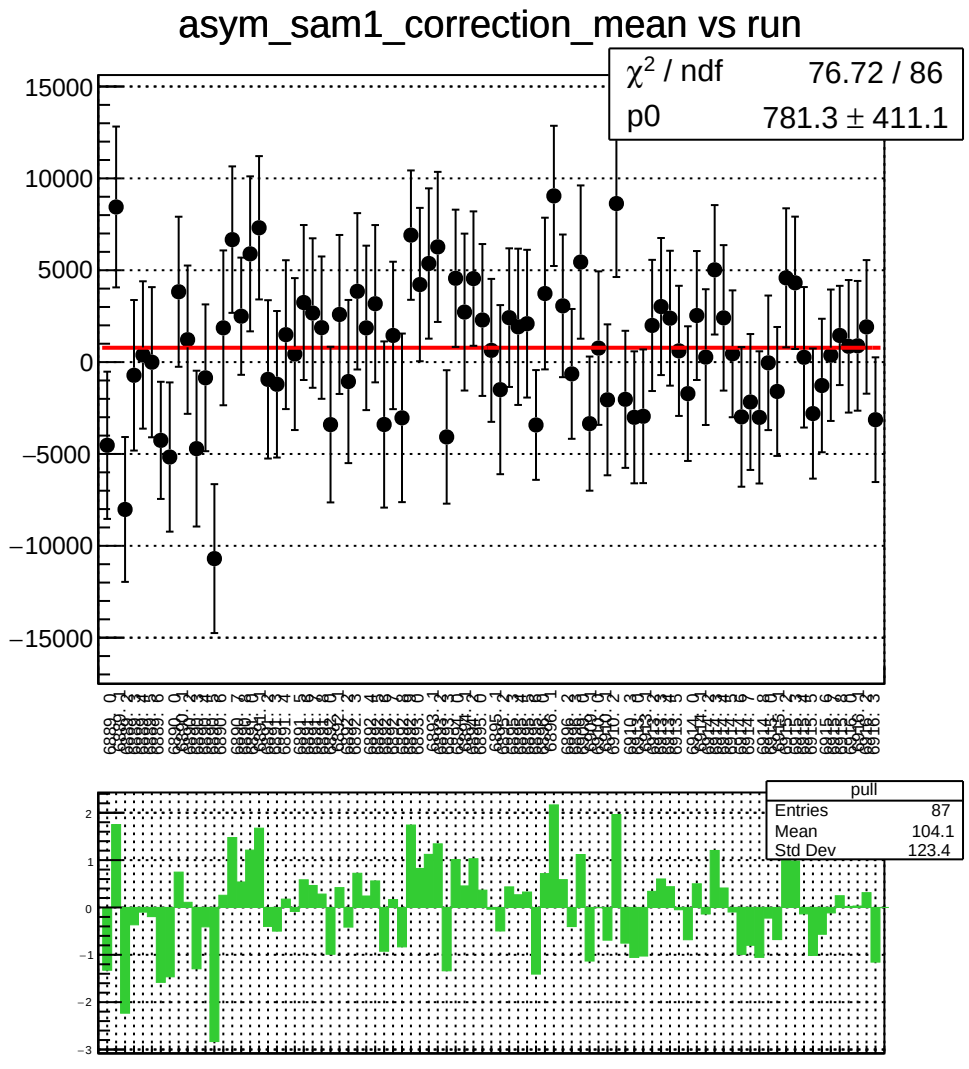

pull1D
Entries 87
Mean −0.007113
Std Dev 1.126
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

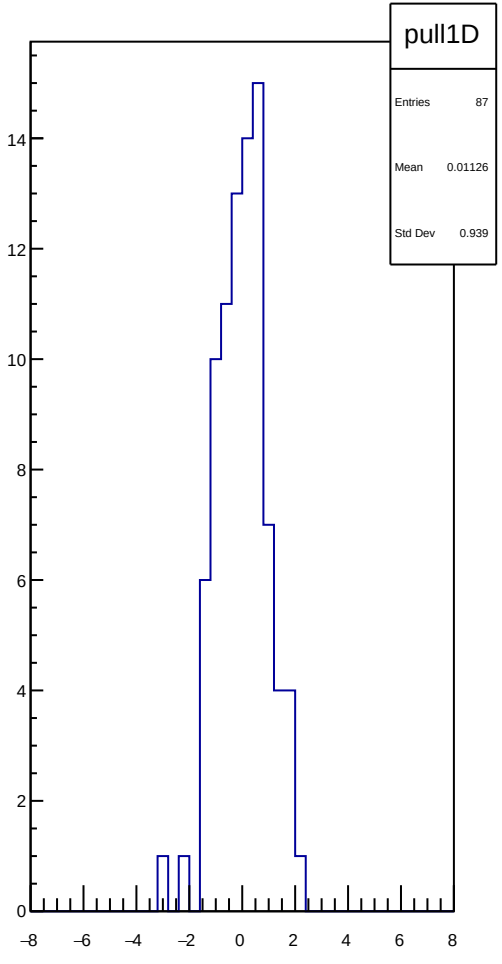

asym_atr2_rms vs run
χ^2 / ndf 8090 / 86
p0 1.069e+04 ± 8.319
14000
13000
12000
11000
10000
9000

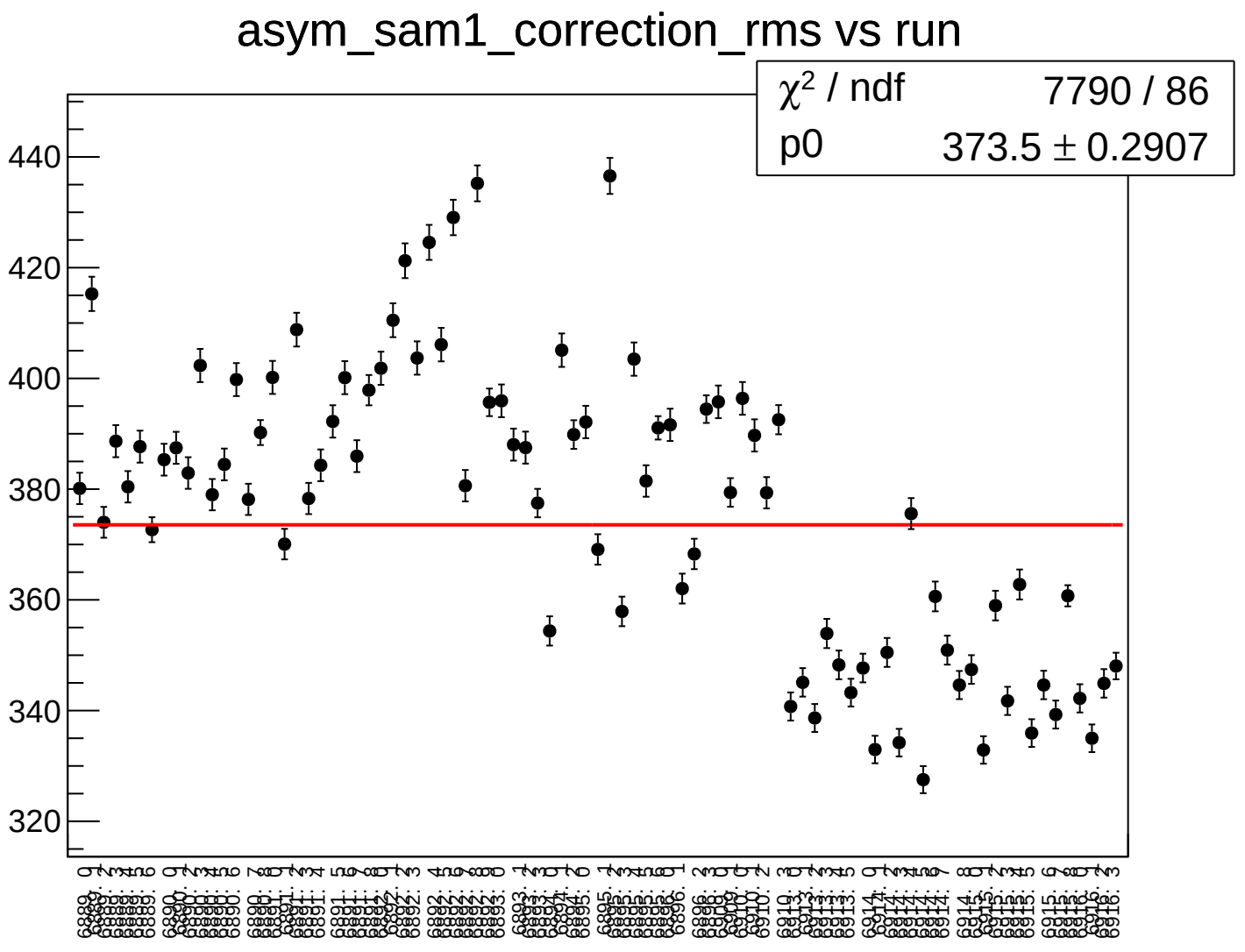

dit_asym_sam1_mean vs run
χ^2 / ndf 72.53 / 86
p0 119.8 ± 90.98
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 14.27
Std Dev 31.84
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

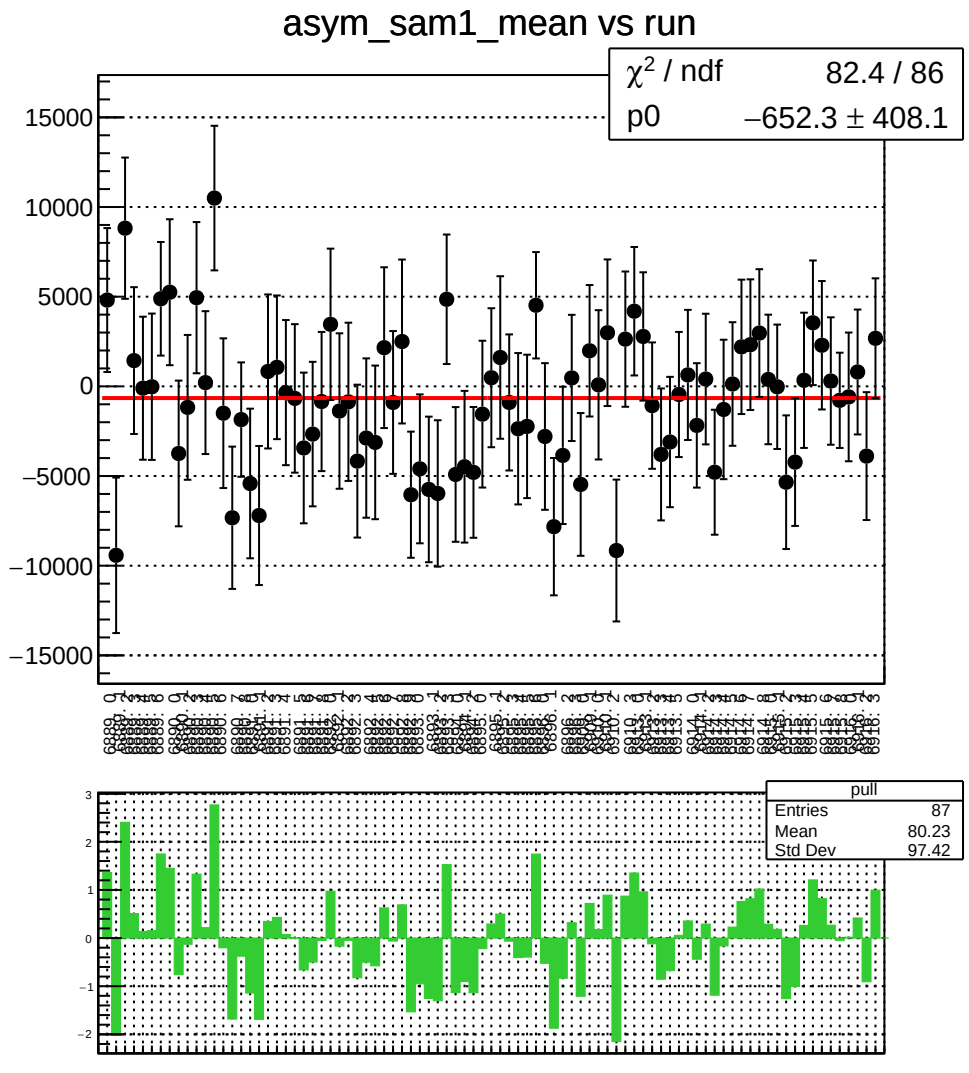

pull1D
Entries 87
Mean −0.01553
Std Dev 0.9129
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

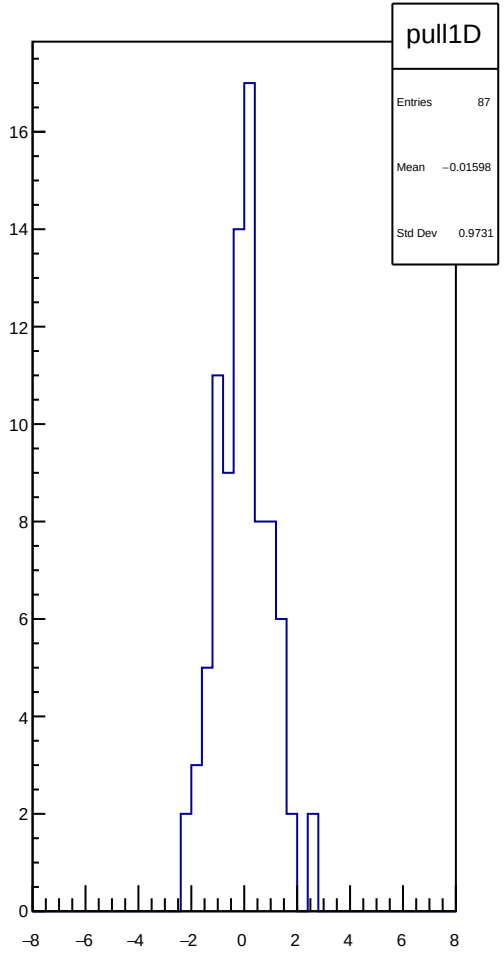

dit_asym_sam1_rms vs run
χ² / ndf 3057 / 86
p0 82.77 ± 0.06433
88
86
84
82
80
78
76
74
72

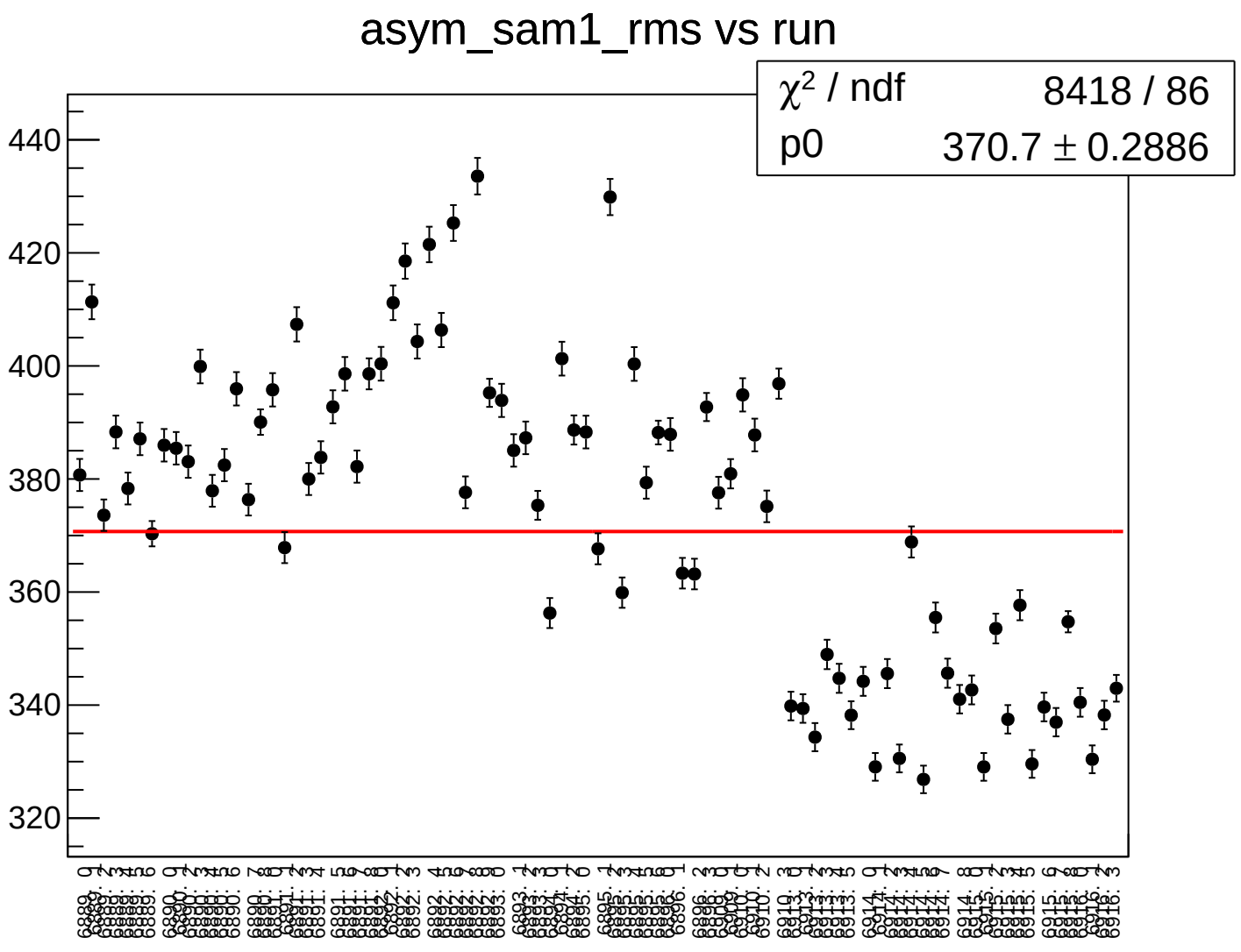

asym_sam1_correction_mean vs run
χ² / ndf 76.72 / 86
p0 781.3 ± 411.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 104.1
Std Dev 123.4
2
1
0
−1
−2
−3

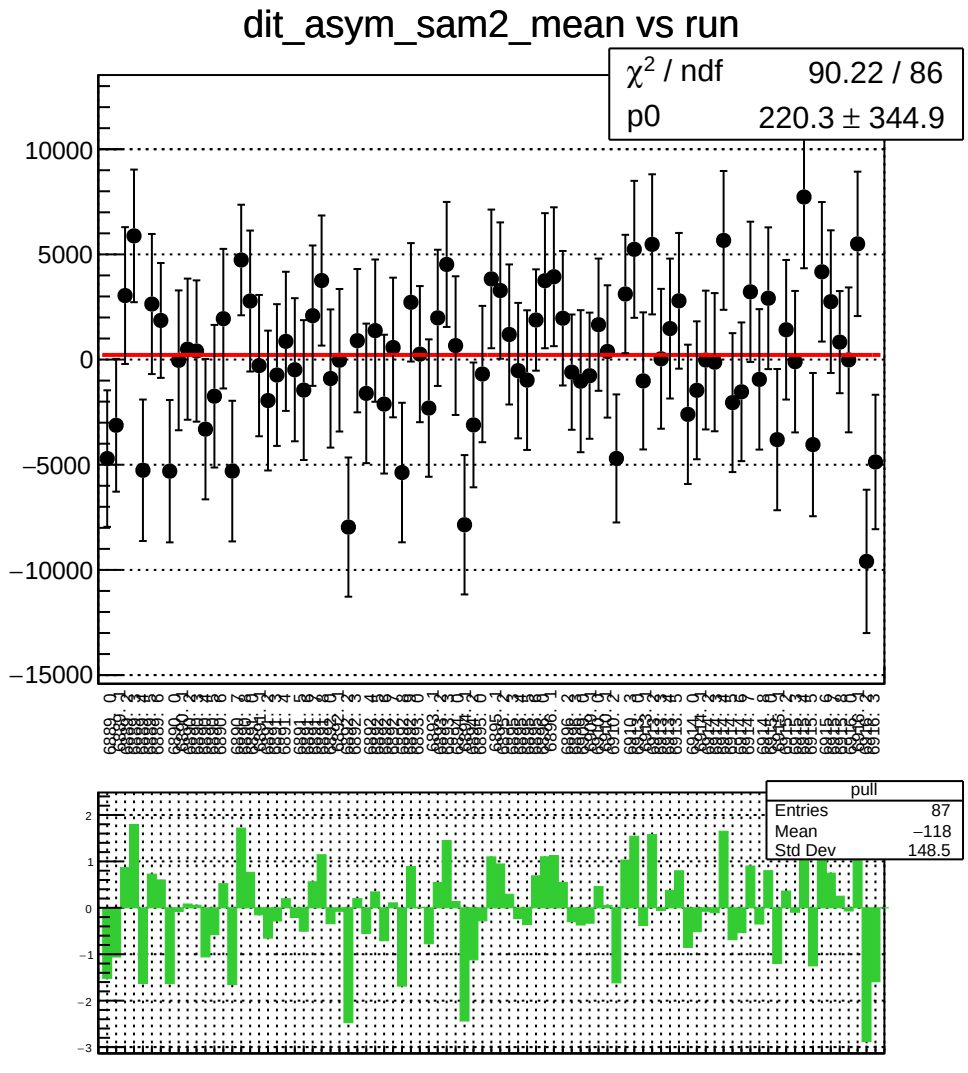

pull1D
Entries 87
Mean 0.01126
Std Dev 0.939
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

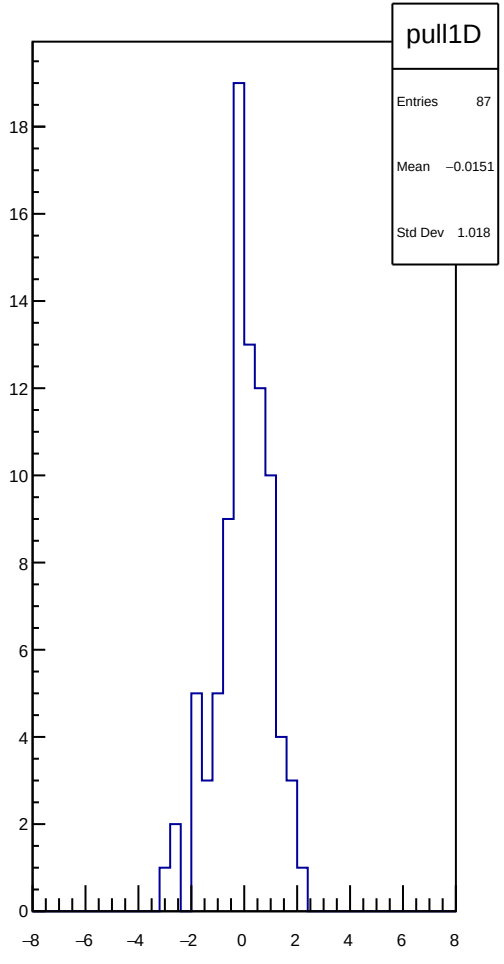

asym_sam1_correction_rms vs run
χ^2 / ndf 7790 / 86
p0 373.5 ± 0.2907
440
420
400
380
360
340
320

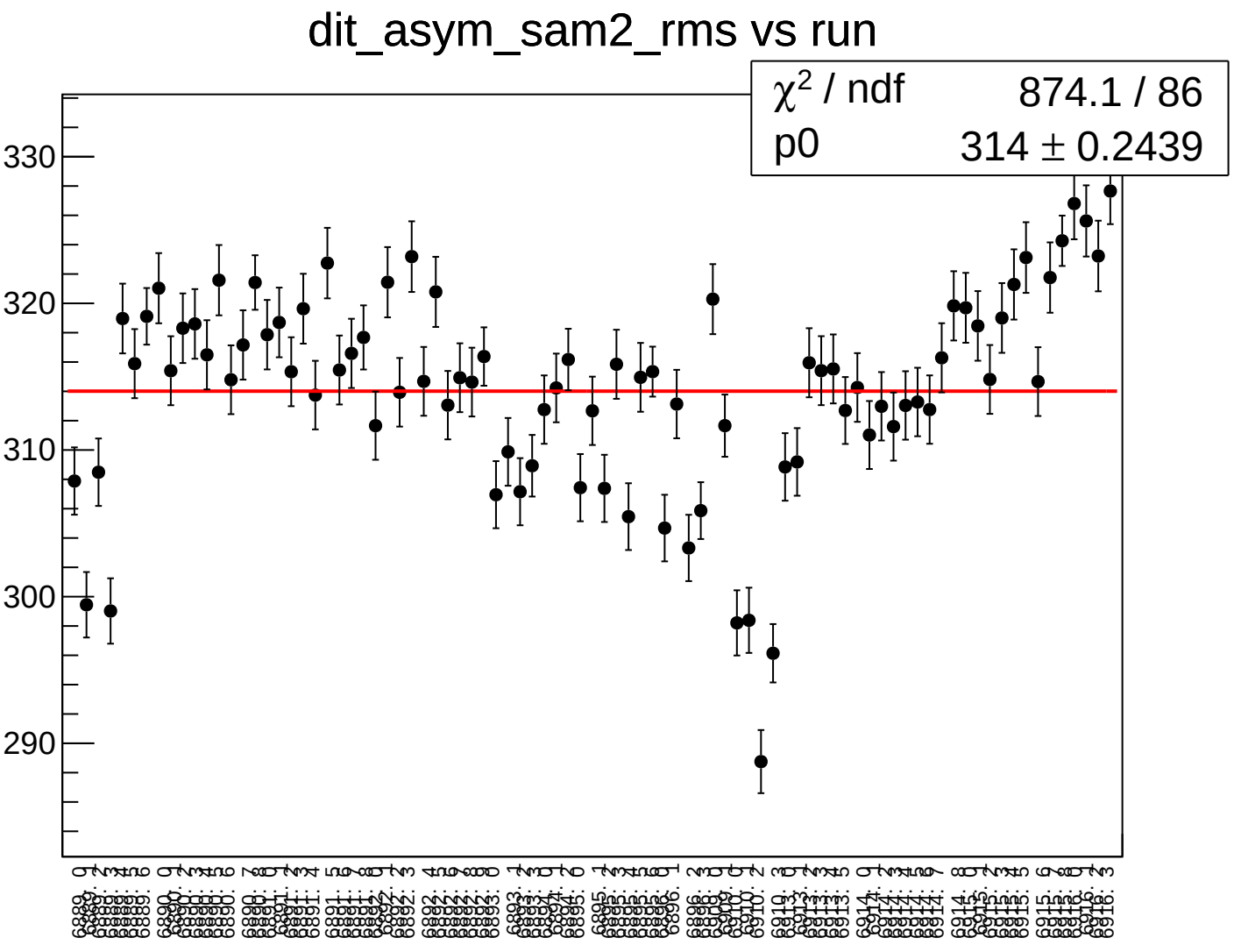

asym_sam1_mean vs run
χ² / ndf 82.4 / 86
p0 −652.3 ± 408.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 80.23
Std Dev 97.42
3
2
1
0
−1
−2

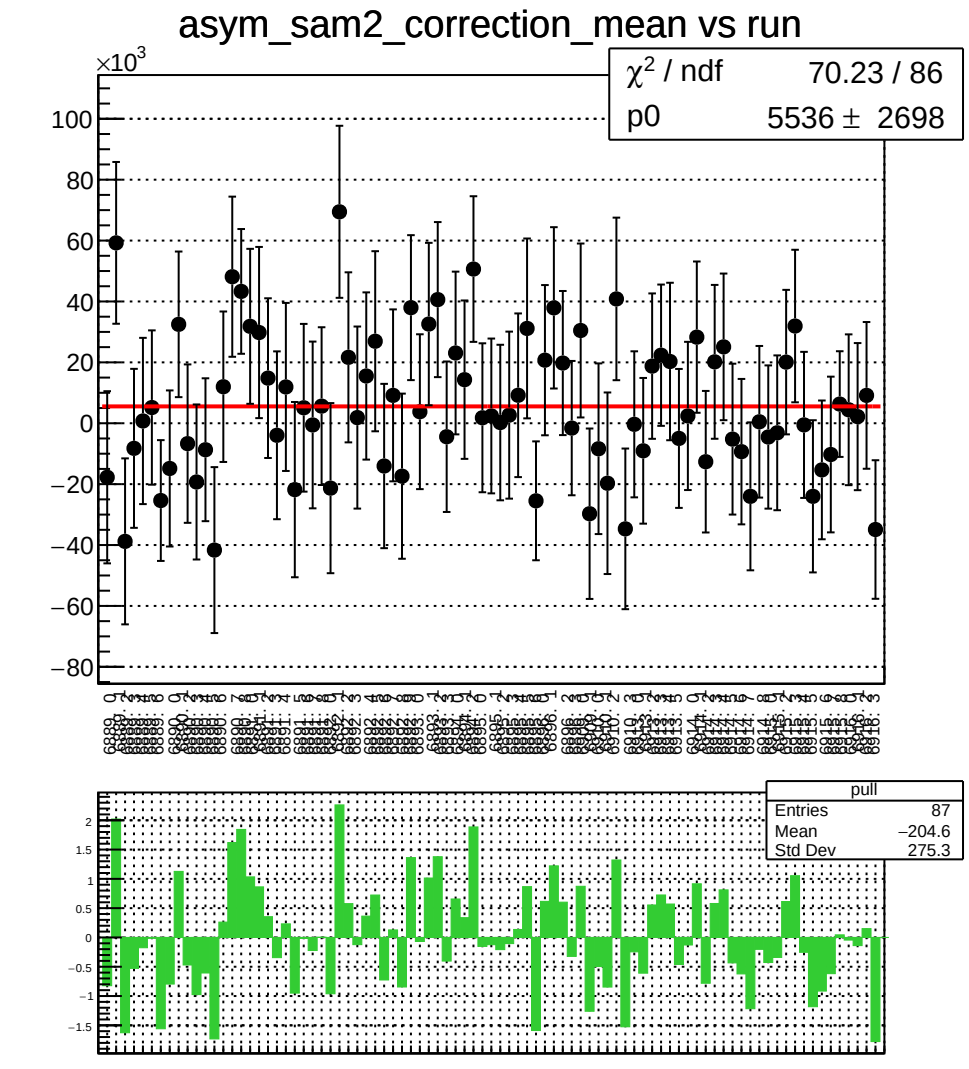

pull1D
Entries 87
Mean −0.01598
Std Dev 0.9731
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

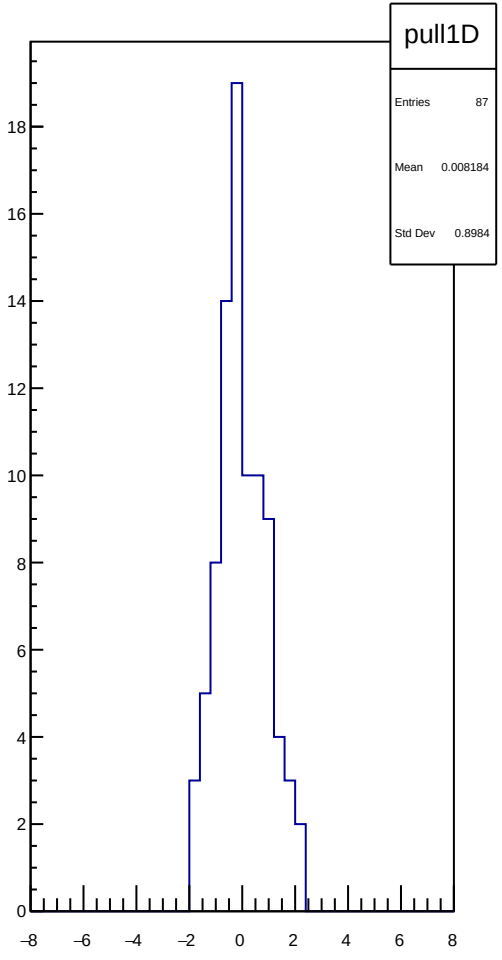

asym_sam1_rms vs run
χ^2 / ndf 8418 / 86
p0 370.7 ± 0.2886
440
420
400
380
360
340
320

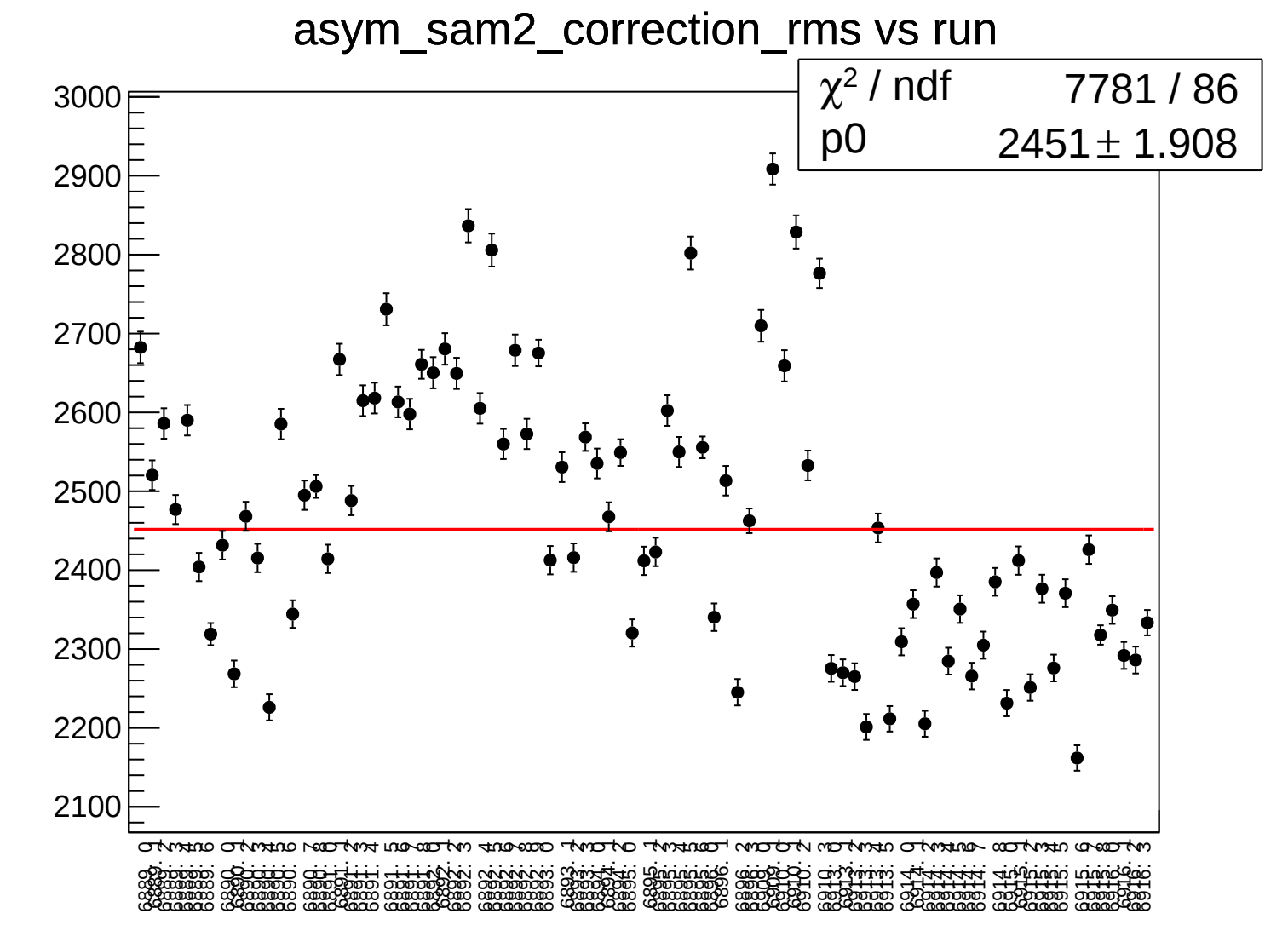

dit_asym_sam2_mean vs run
χ² / ndf 90.22 / 86
p0 220.3 ± 344.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −118
Std Dev 148.5
2
1
0
−1
−2
−3

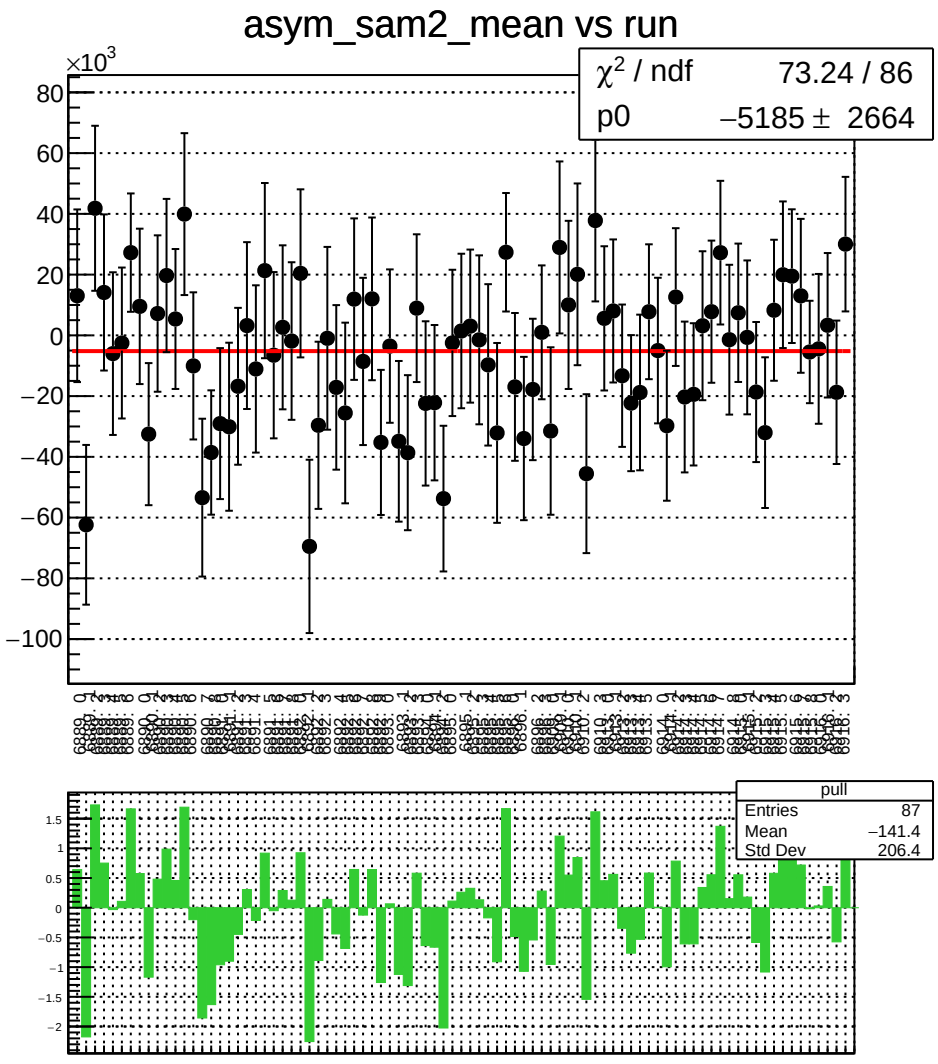

pull1D
Entries 87
Mean −0.0151
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

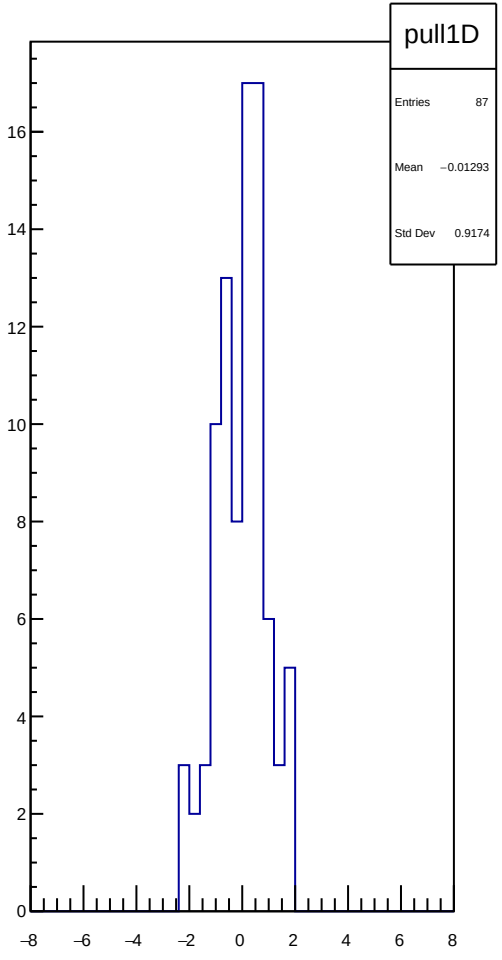

dit_asym_sam2_rms vs run
χ^2 / ndf 874.1 / 86
p0 314 ± 0.2439
330
320
310
300
290

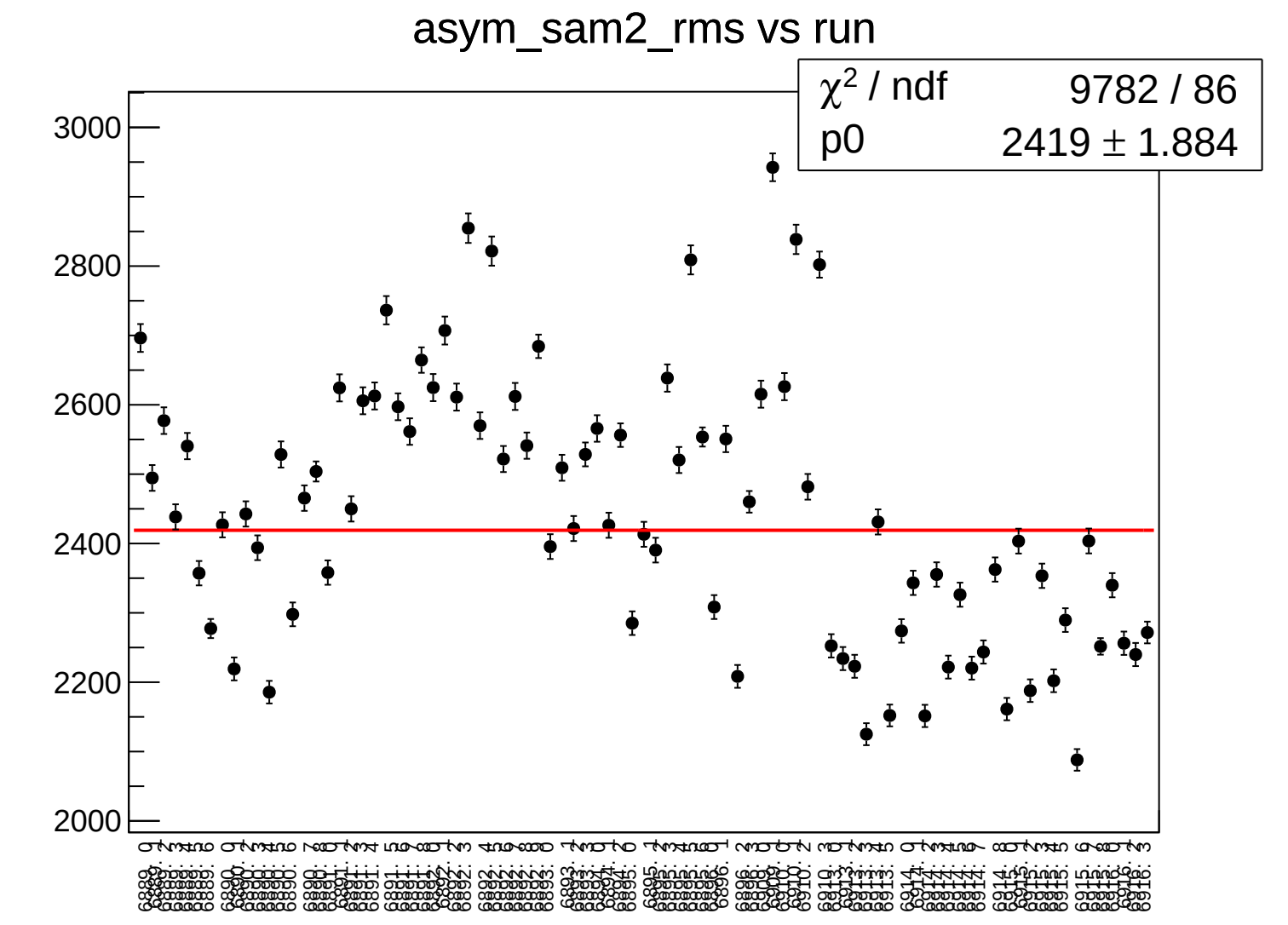

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 70.23 / 86
p0 5536 ± 2698
pull
Entries 87
Mean −204.6
Std Dev 275.3

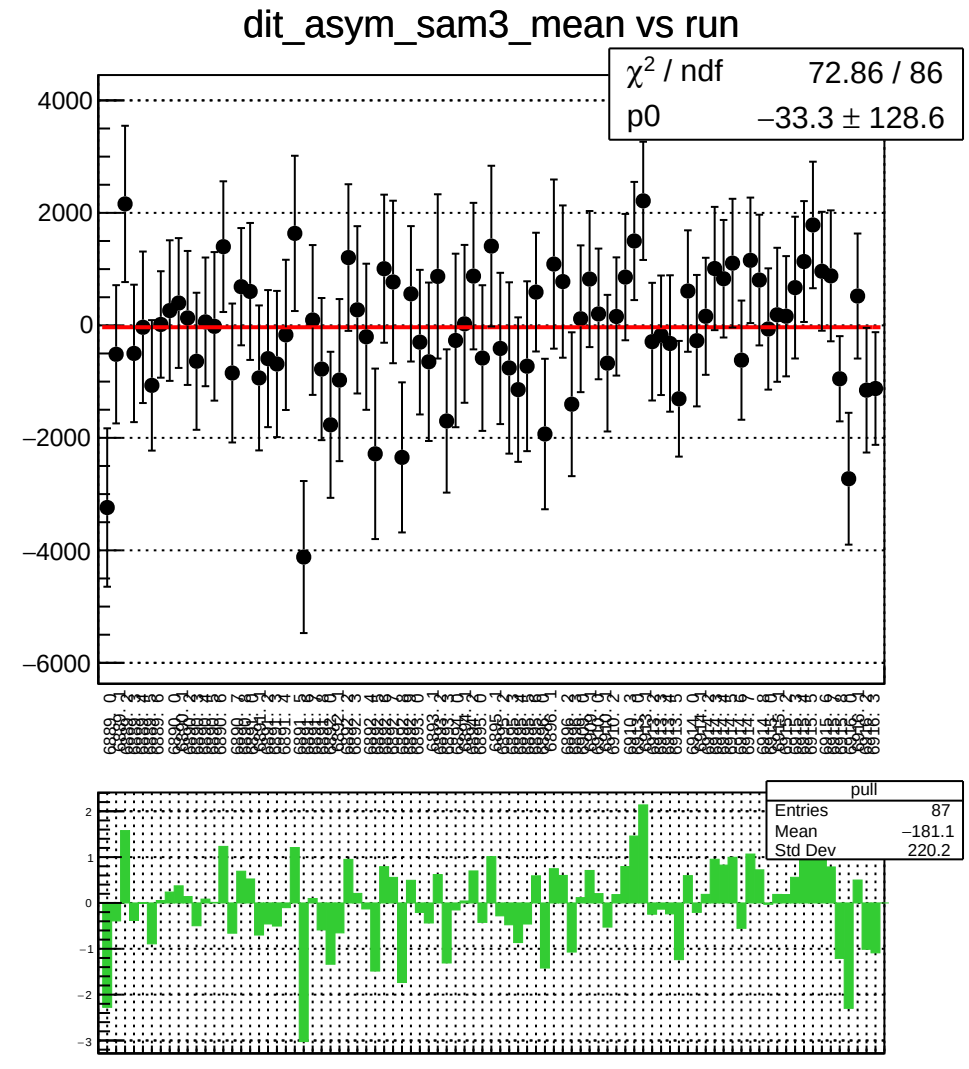

pull1D
Entries 87
Mean 0.008184
Std Dev 0.8984

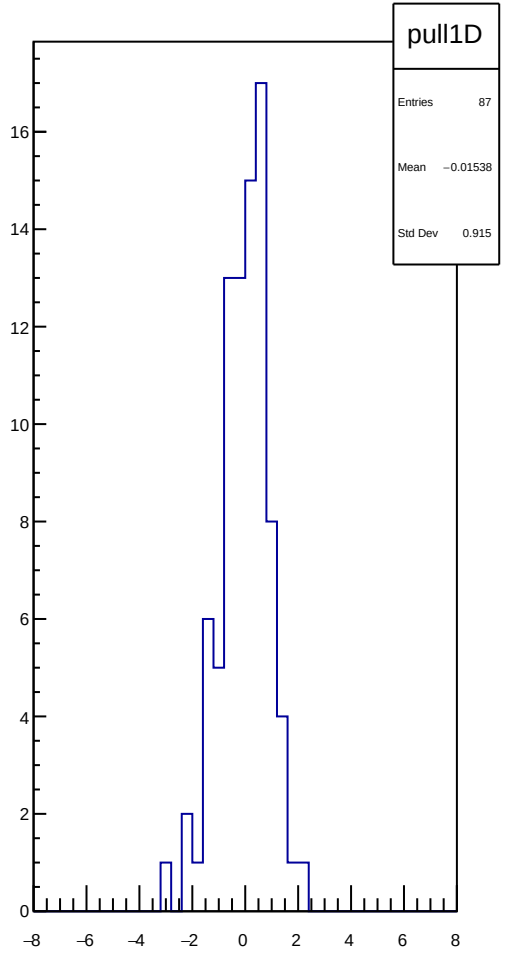

asym_sam2_correction_rms vs run
χ² / ndf 7781 / 86
p0 2451 ± 1.908
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100

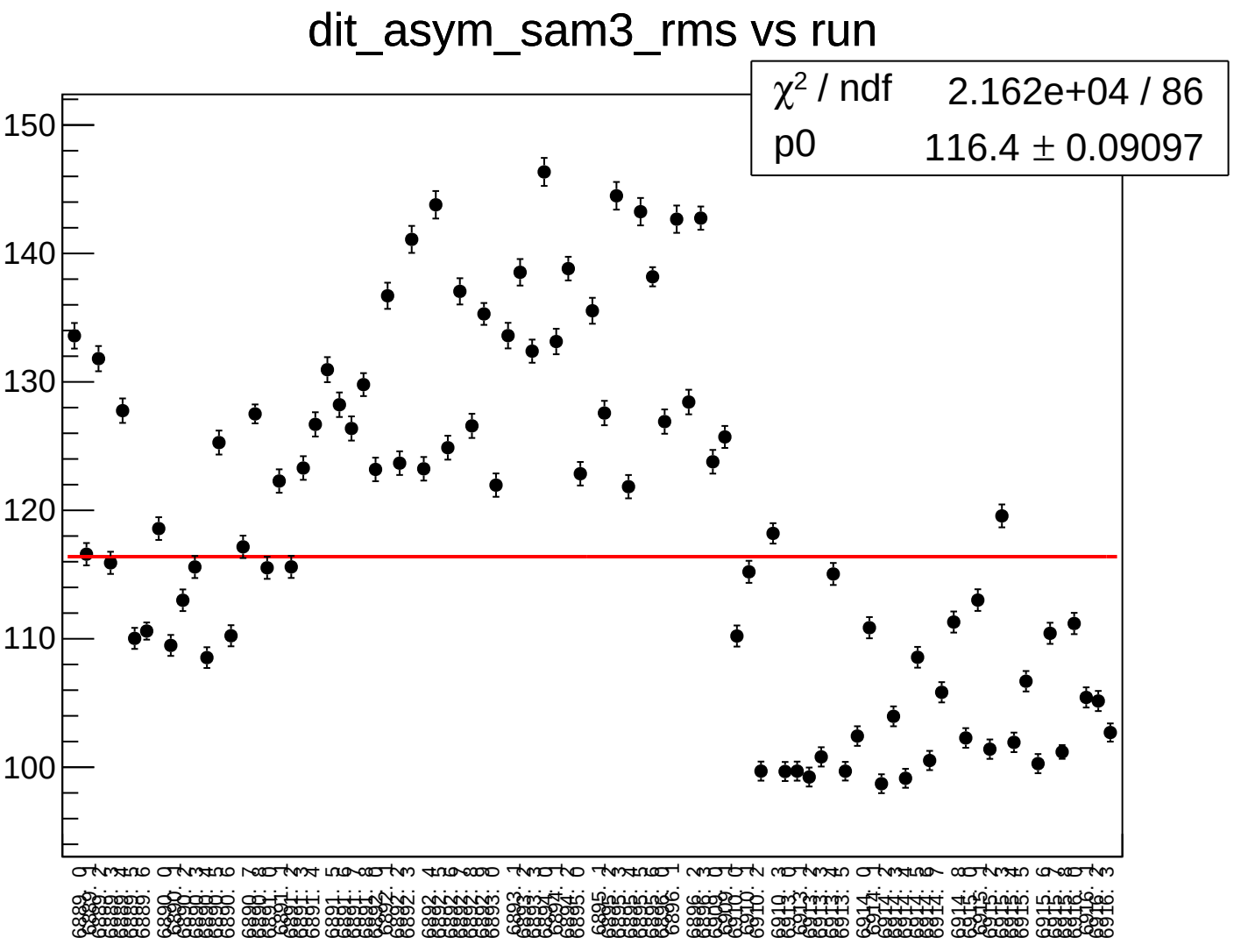

asym_sam2_mean vs run
×10^3
χ^2 / ndf 73.24 / 86
p0 −5185 ± 2664
pull
Entries 87
Mean −141.4
Std Dev 206.4

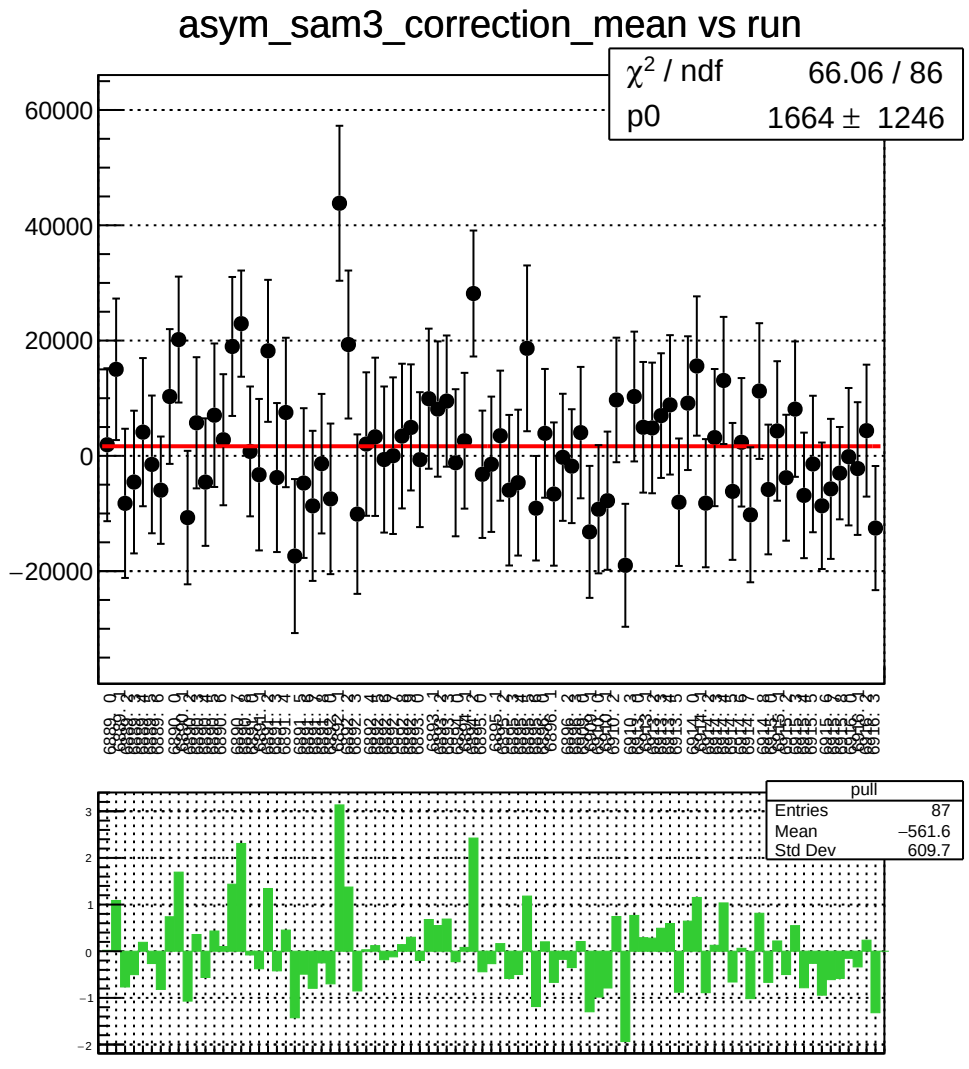

pull1D
Entries 87
Mean −0.01293
Std Dev 0.9174

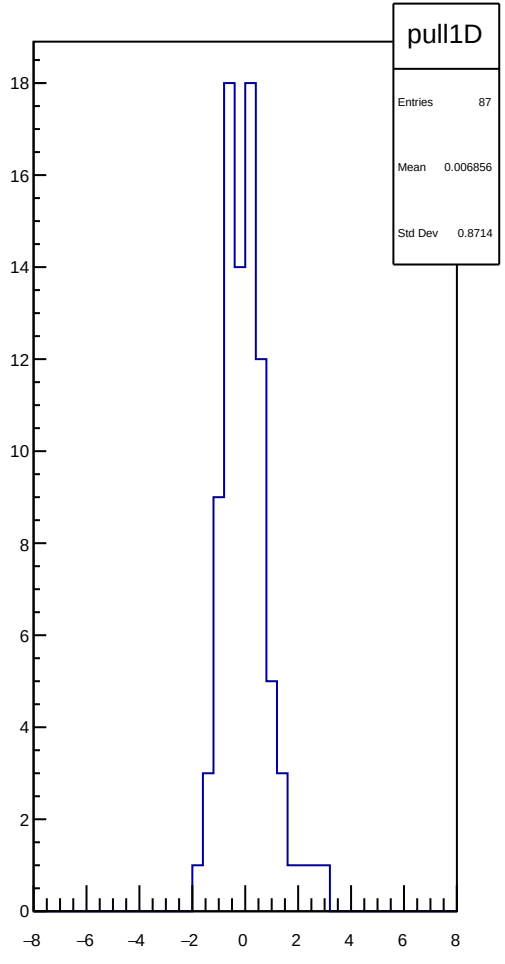

asym_sam2_rms vs run
χ^2 / ndf 9782 / 86
p0 2419 ± 1.884
3000
2800
2600
2400
2200
2000

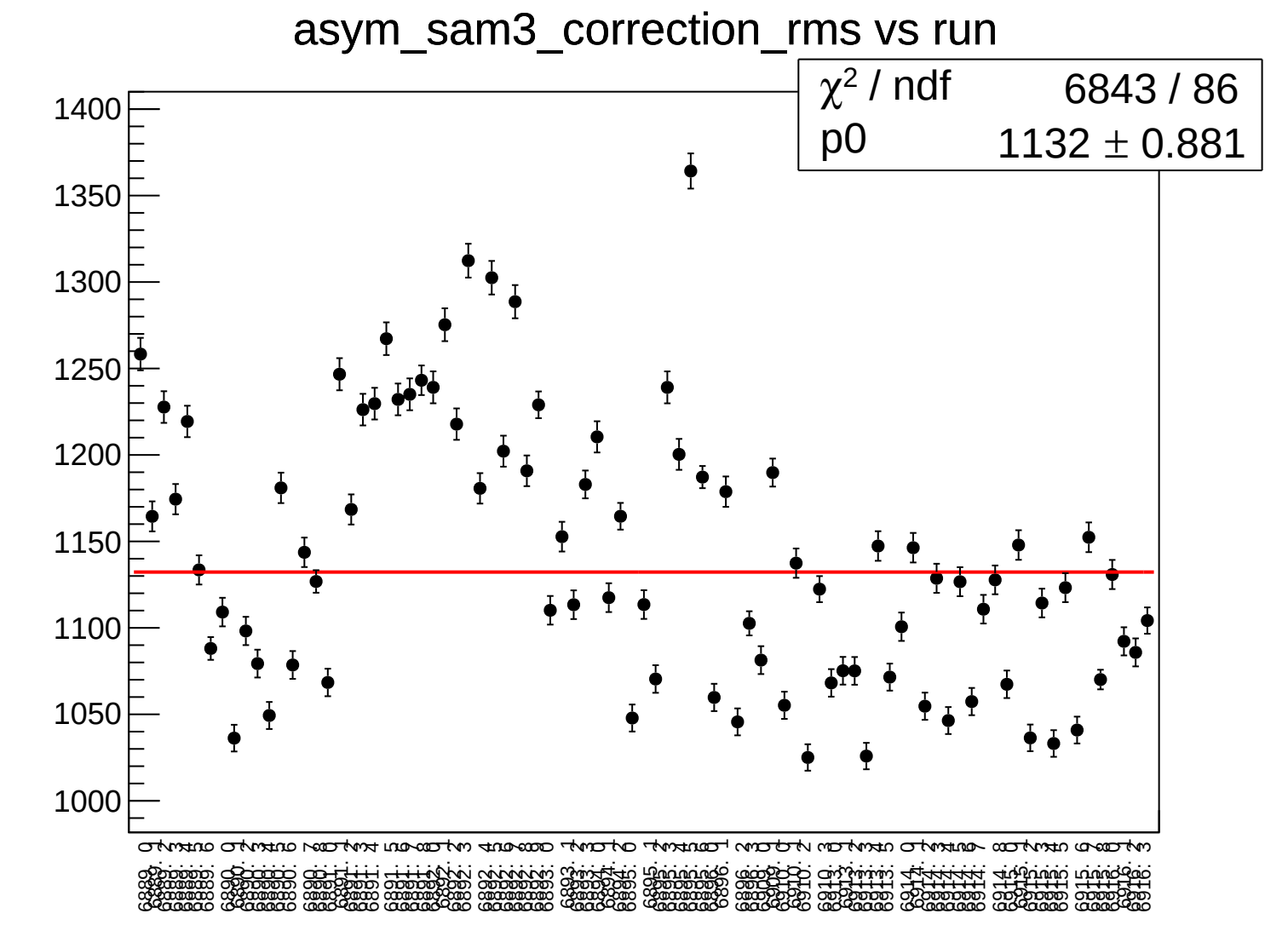

dit_asym_sam3_mean vs run
χ² / ndf 72.86 / 86
p0 −33.3 ± 128.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean −181.1
Std Dev 220.2
2
1
0
−1
−2
−3

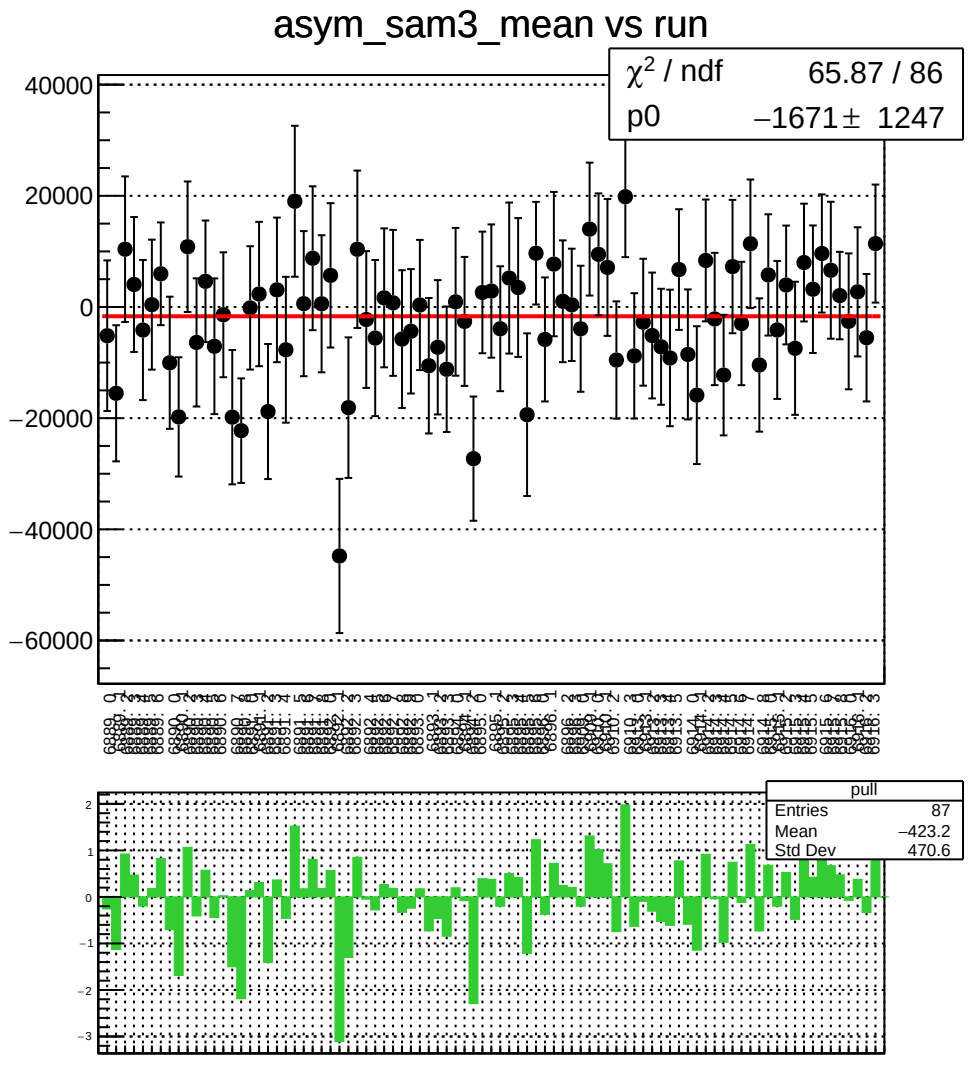

pull1D
Entries 87
Mean −0.01538
Std Dev 0.915
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

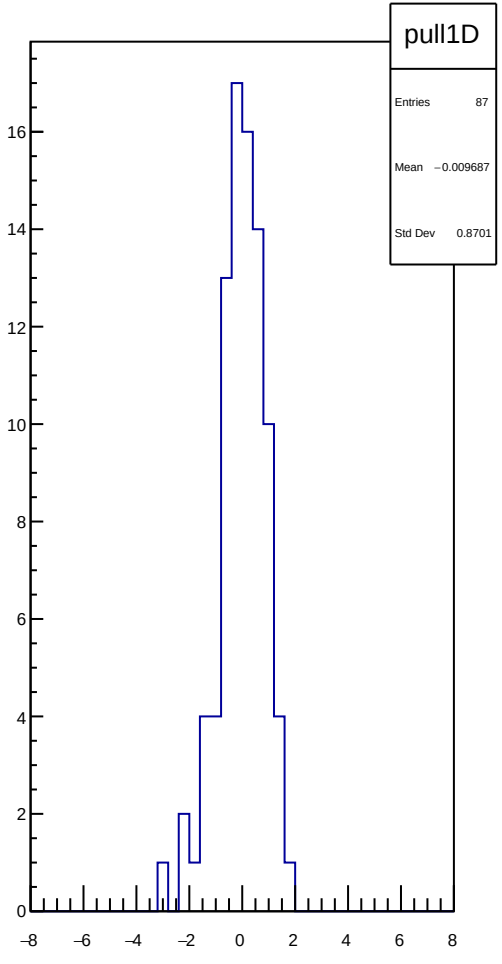

dit_asym_sam3_rms vs run
χ² / ndf 2.162e+04 / 86
p0 116.4 ± 0.09097
150
140
130
120
110
100

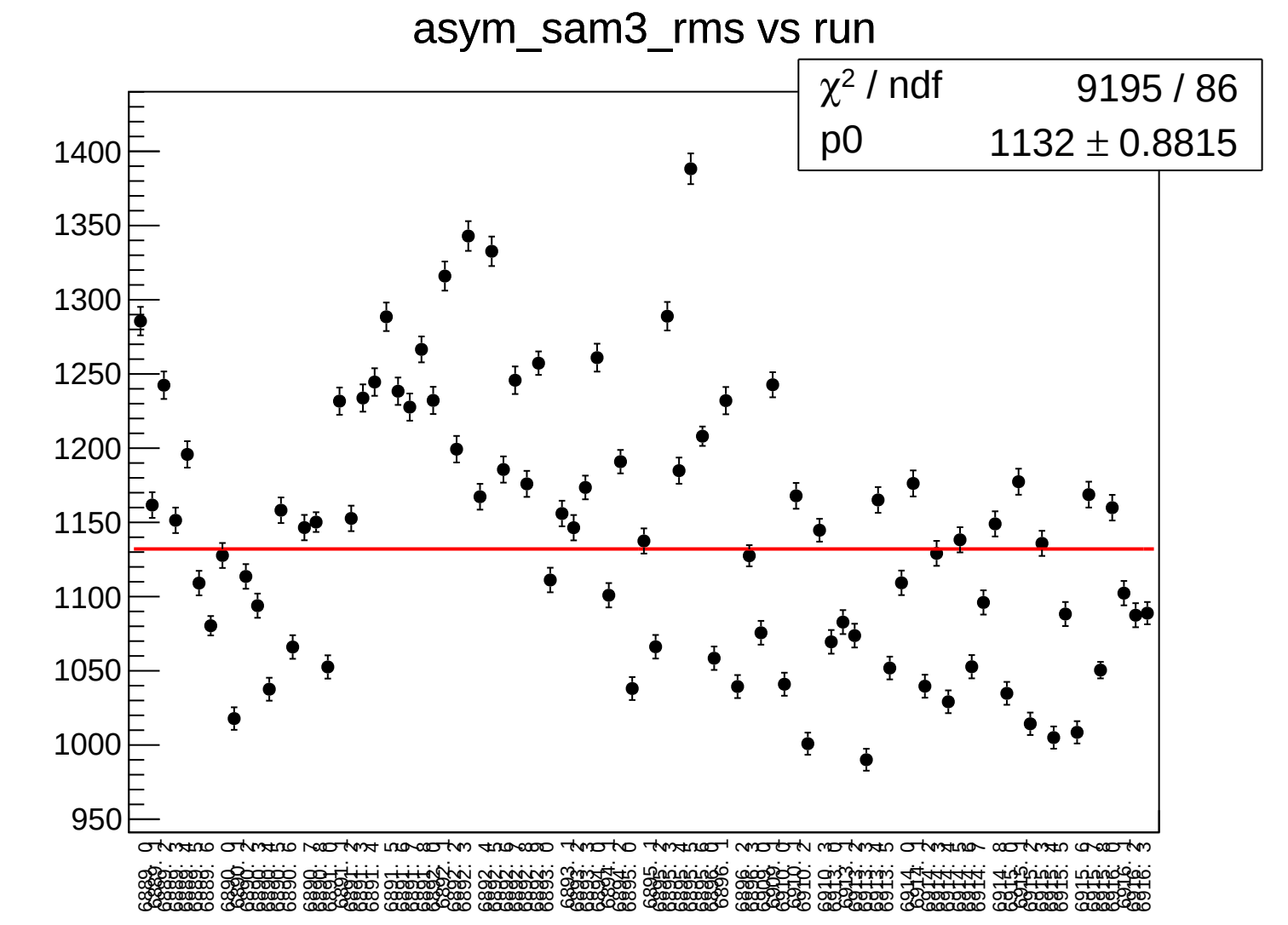

asym_sam3_correction_mean vs run
χ² / ndf 66.06 / 86
p0 1664 ± 1246
60000
40000
20000
0
−20000
pull
Entries 87
Mean −561.6
Std Dev 609.7
3
2
1
0
−1
−2

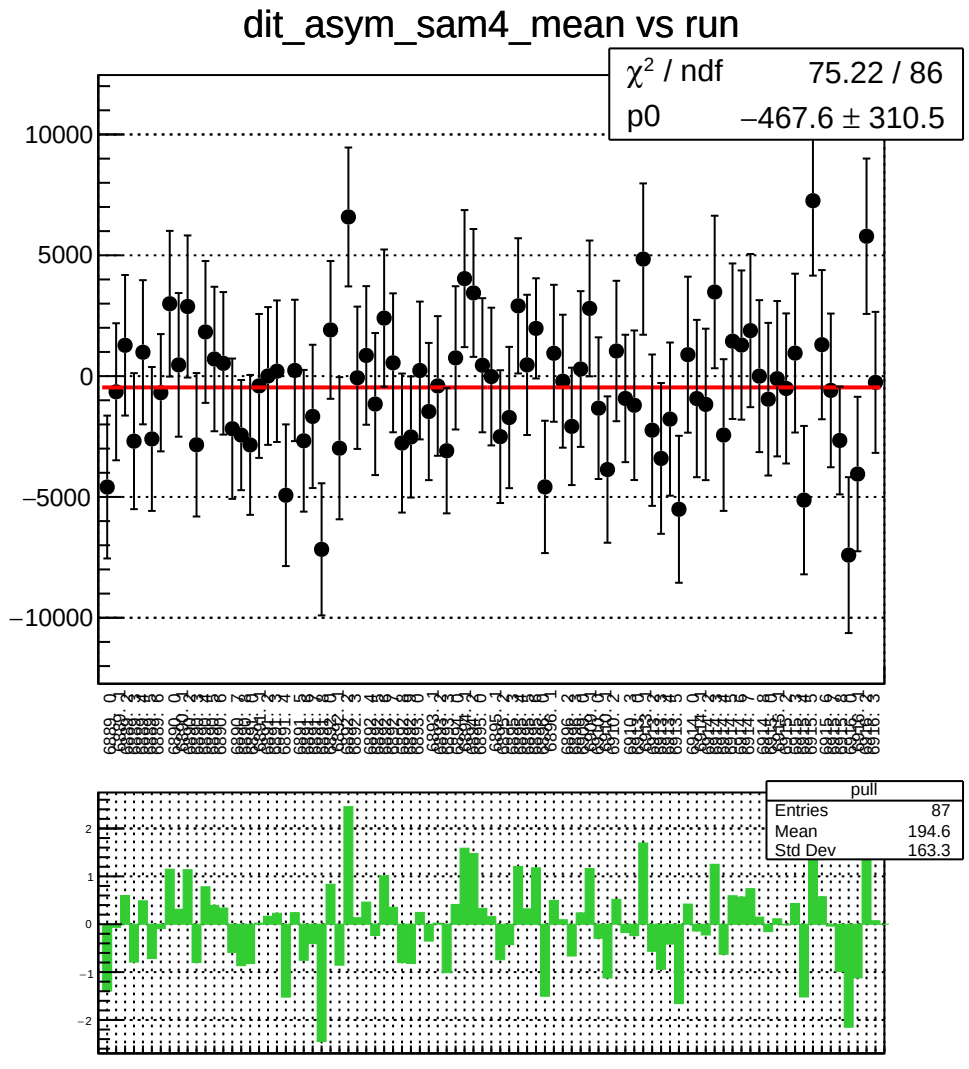

pull1D
Entries 87
Mean 0.006856
Std Dev 0.8714
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

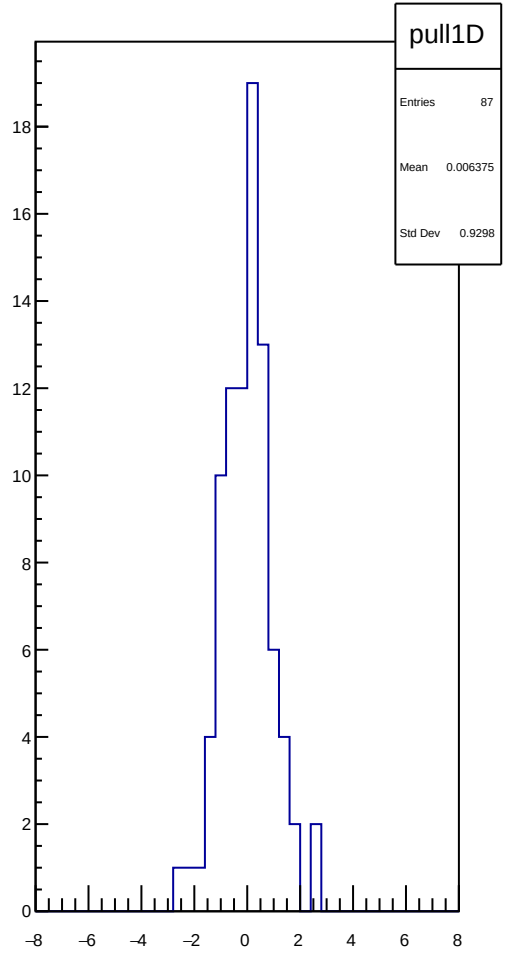

asym_sam3_correction_rms vs run
χ² / ndf 6843 / 86
p0 1132 ± 0.881
1400
1350
1300
1250
1200
1150
1100
1050
1000

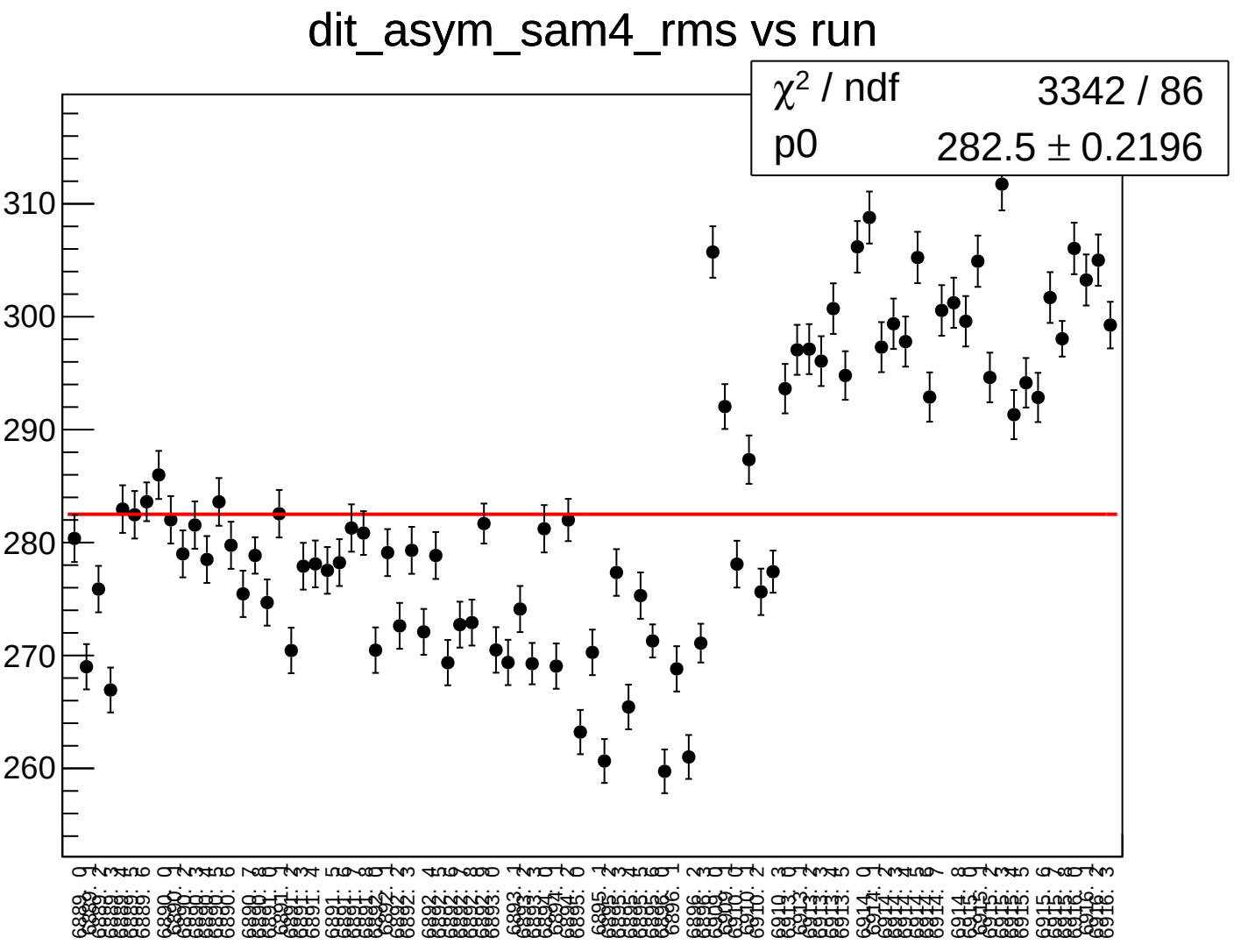

asym_sam3_mean vs run
χ² / ndf 65.87 / 86
p0 −1671 ± 1247
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −423.2
Std Dev 470.6
2
1
0
−1
−2
−3

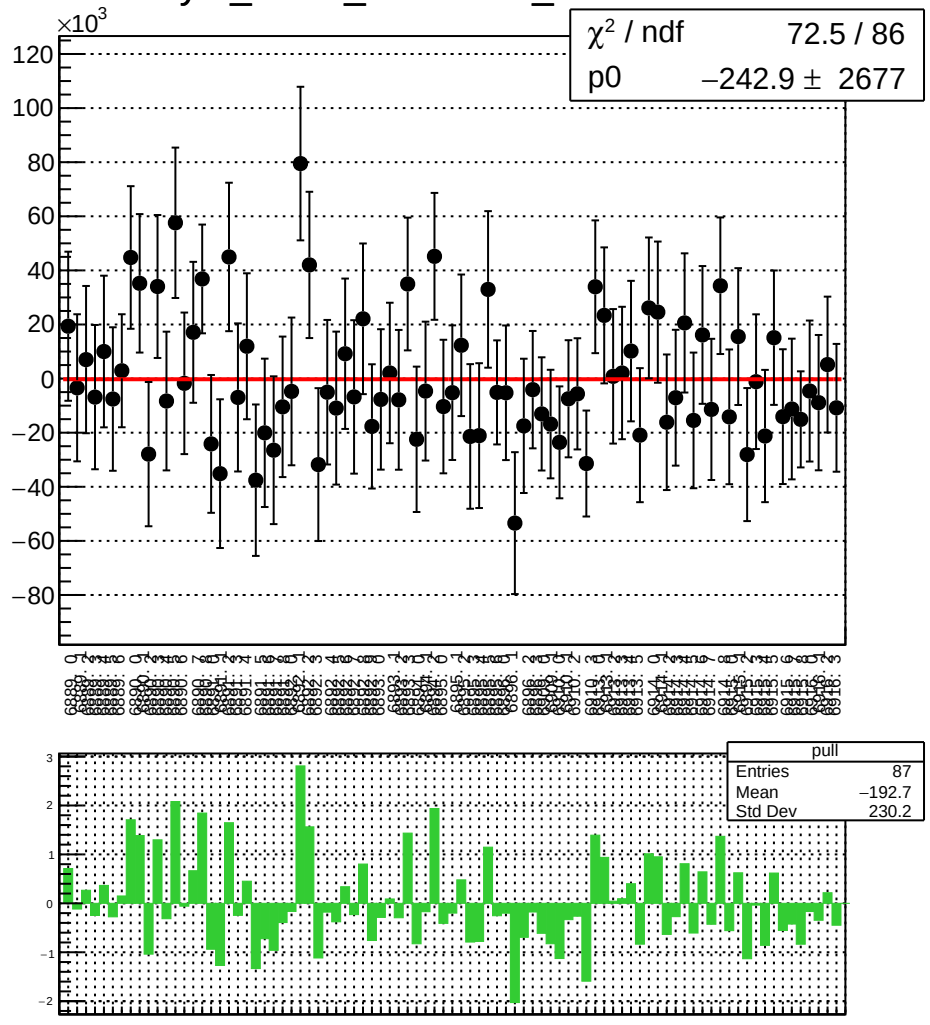

pull1D
Entries 87
Mean −0.009687
Std Dev 0.8701
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

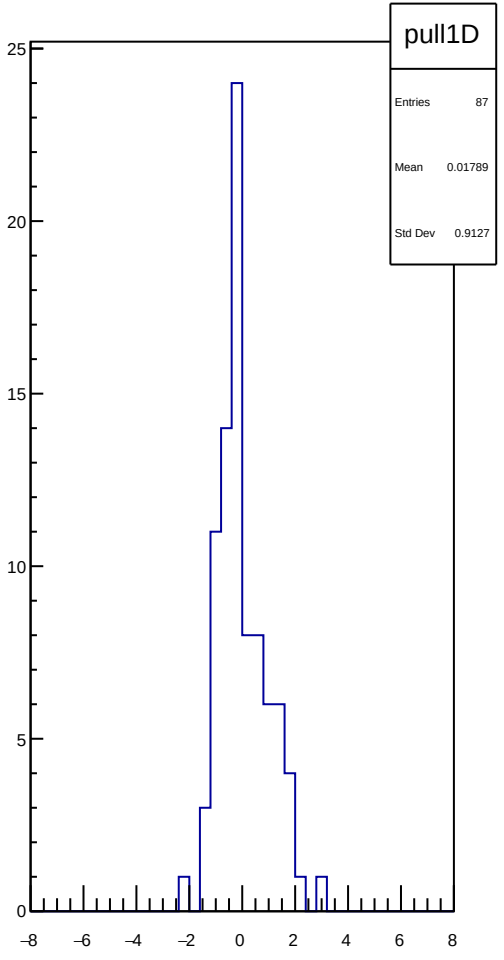

asym_sam3_rms vs run
χ^2 / ndf 9195 / 86
p0 1132 ± 0.8815
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

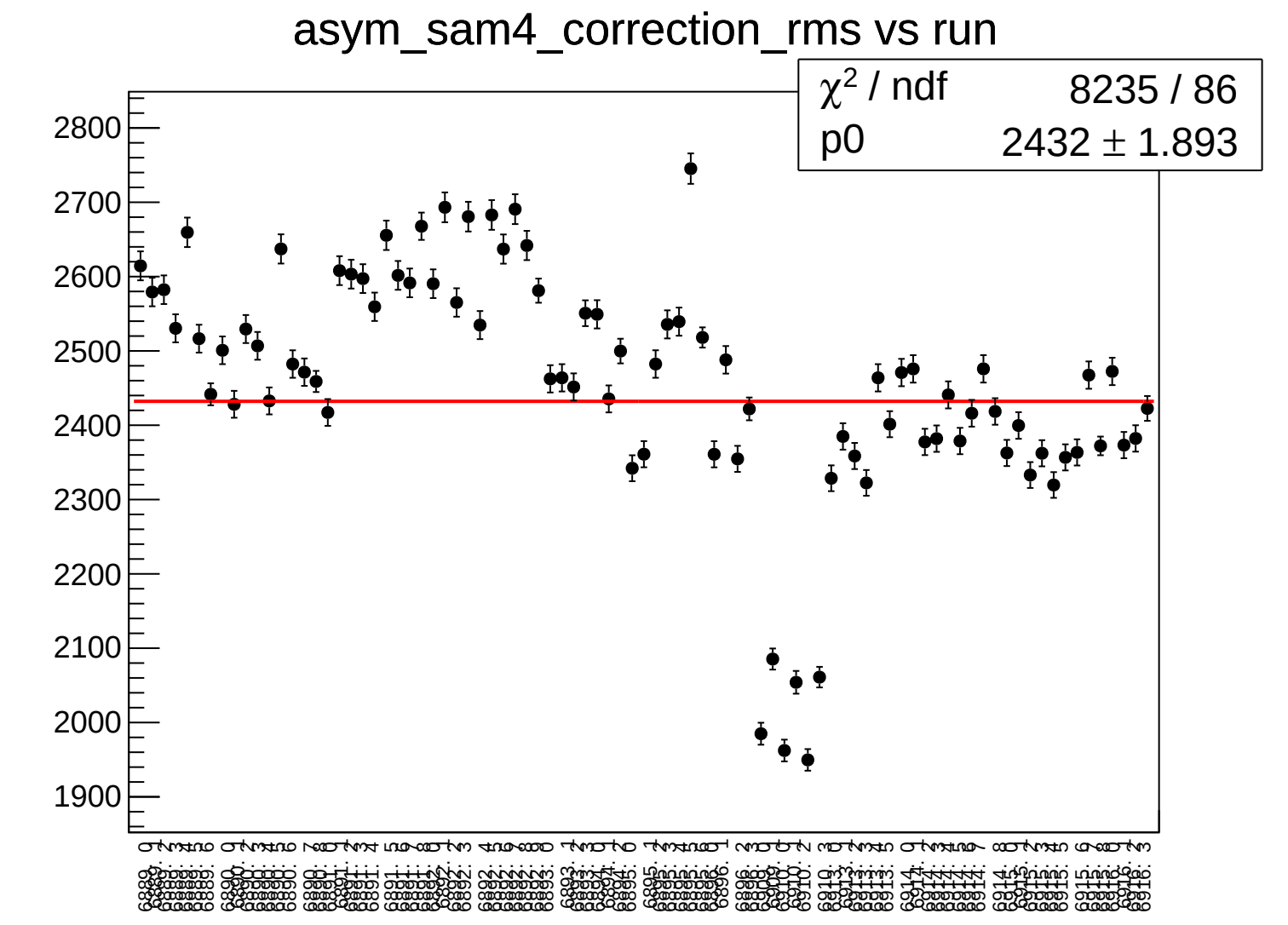

dit_asym_sam4_mean vs run
χ² / ndf 75.22 / 86
p0 −467.6 ± 310.5
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 194.6
Std Dev 163.3
2
1
0
−1
−2

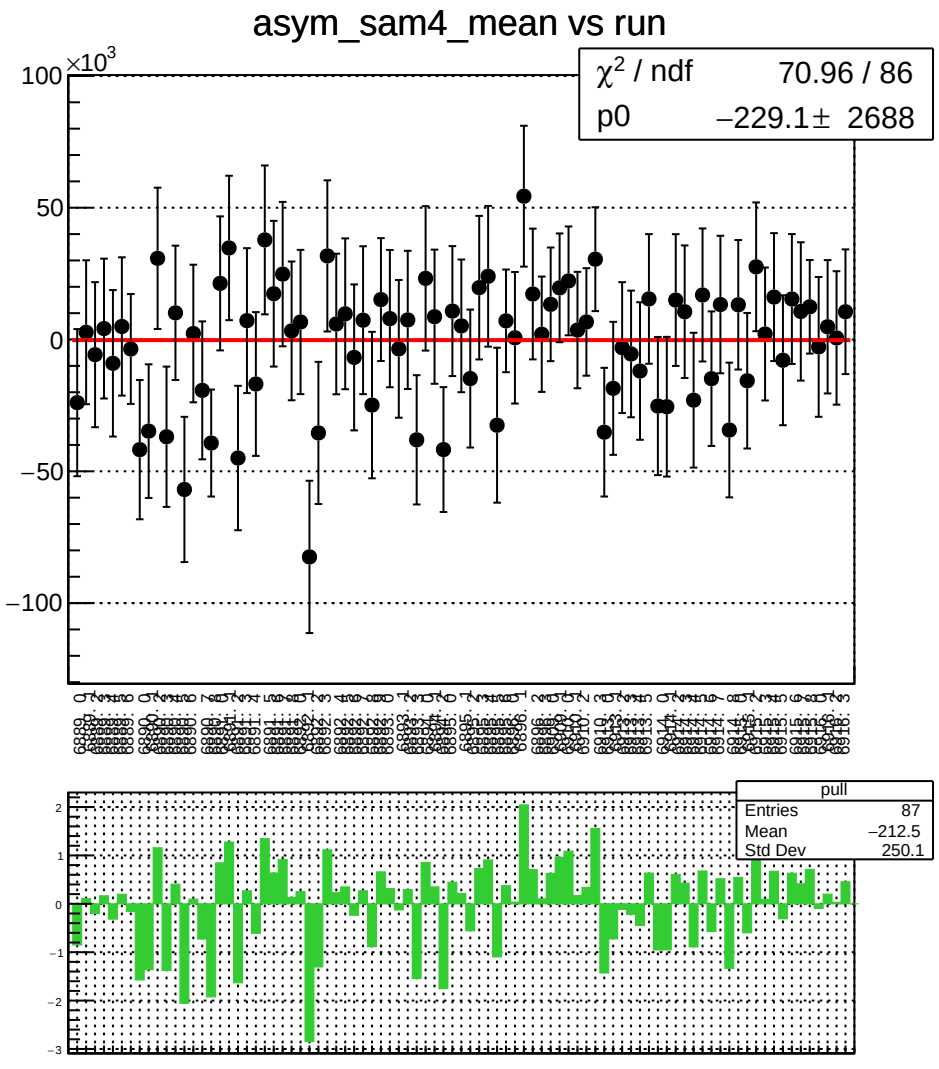

pull1D
Entries 87
Mean 0.006375
Std Dev 0.9298
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

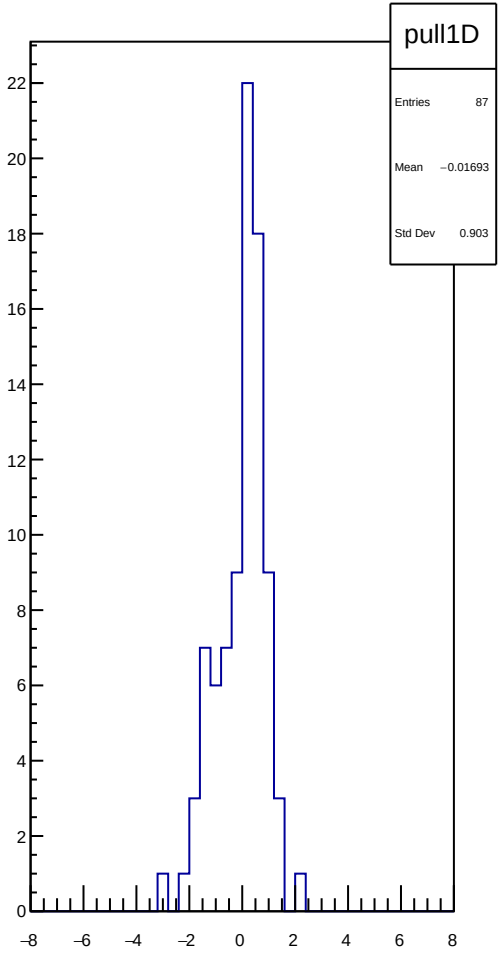

dit_asym_sam4_rms vs run
χ² / ndf 3342 / 86
p0 282.5 ± 0.2196
310
300
290
280
270
260

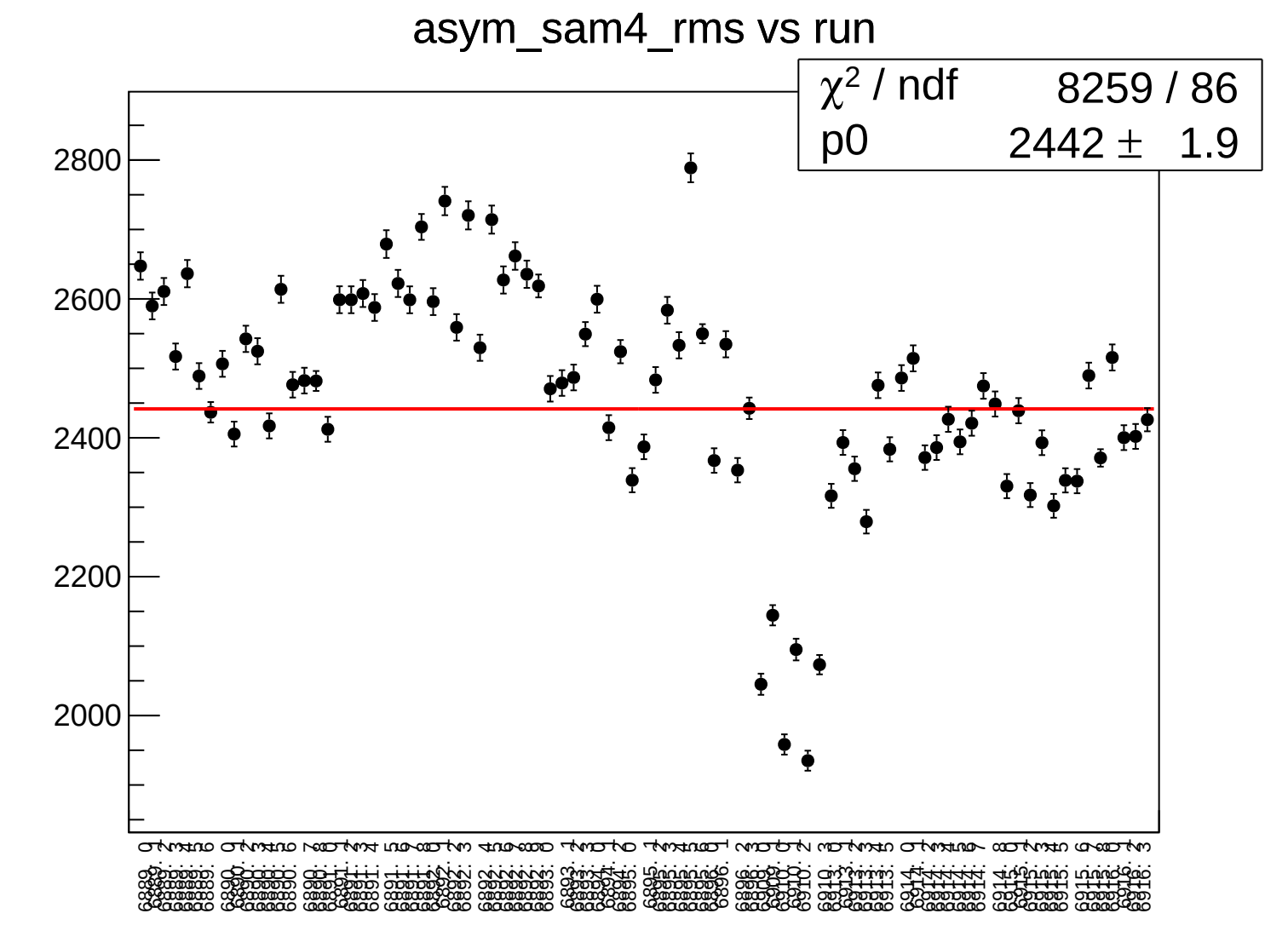

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 72.5 / 86
p0 −242.9 ± 2677
pull
Entries 87
Mean −192.7
Std Dev 230.2

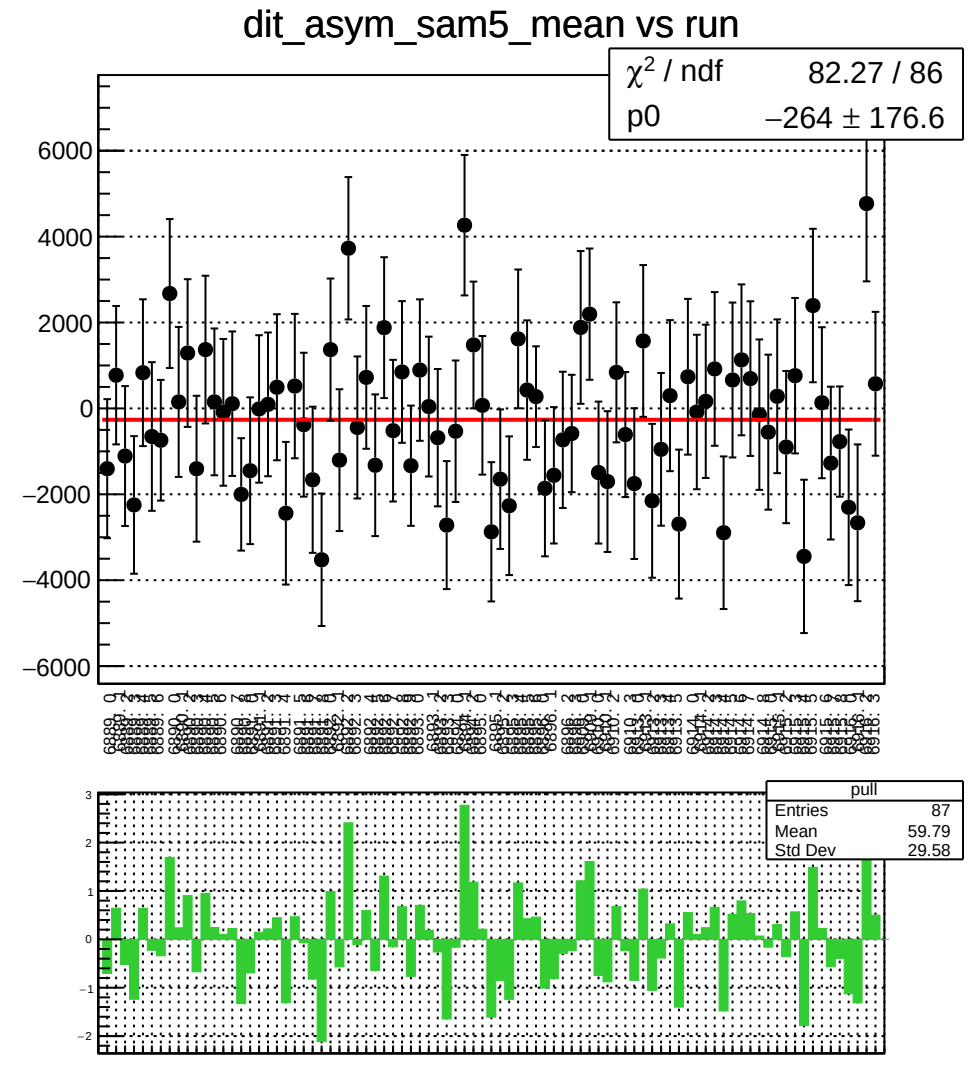

pull1D
Entries 87
Mean 0.01789
Std Dev 0.9127

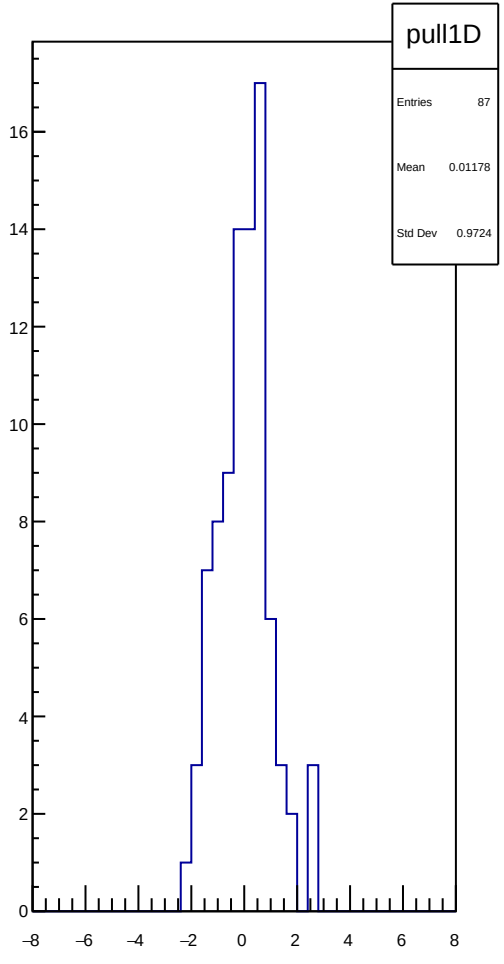

asym_sam4_correction_rms vs run
χ² / ndf 8235 / 86
p0 2432 ± 1.893
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900

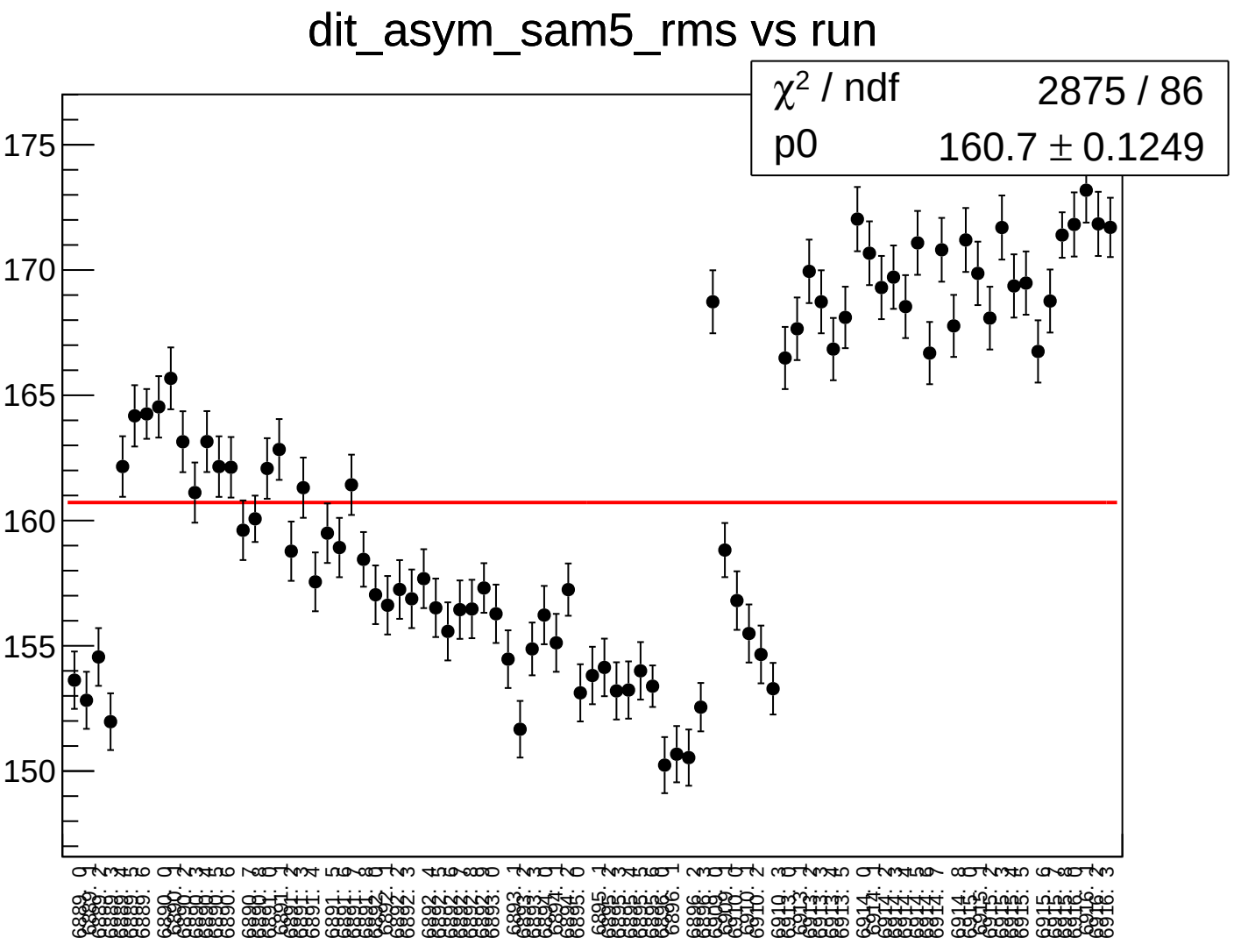

asym_sam4_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 70.96 / 86
p0 −229.1± 2688
pull
Entries 87
Mean −212.5
Std Dev 250.1
2
1
0
−1
−2
−3

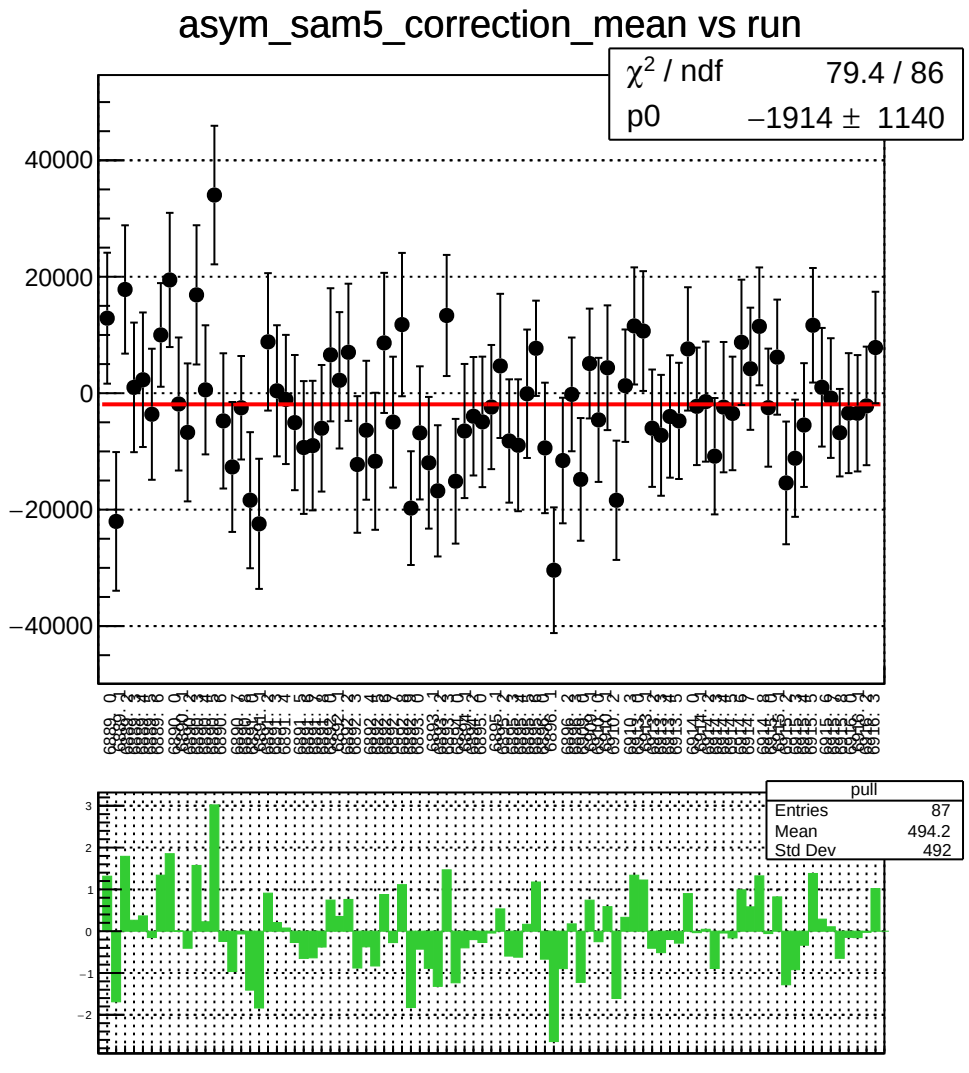

pull1D
Entries 87
Mean −0.01693
Std Dev 0.903
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

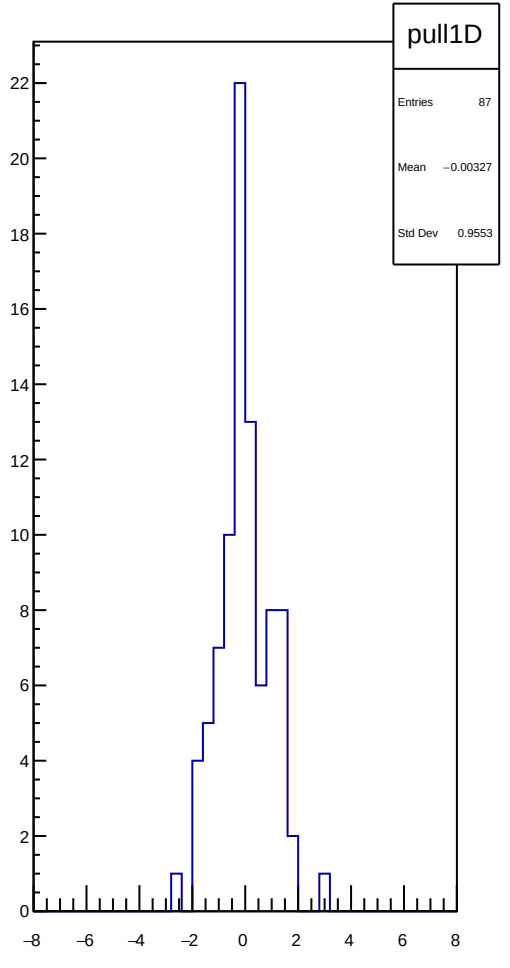

asym_sam4_rms vs run
χ² / ndf 8259 / 86
p0 2442 ± 1.9
2800
2600
2400
2200
2000

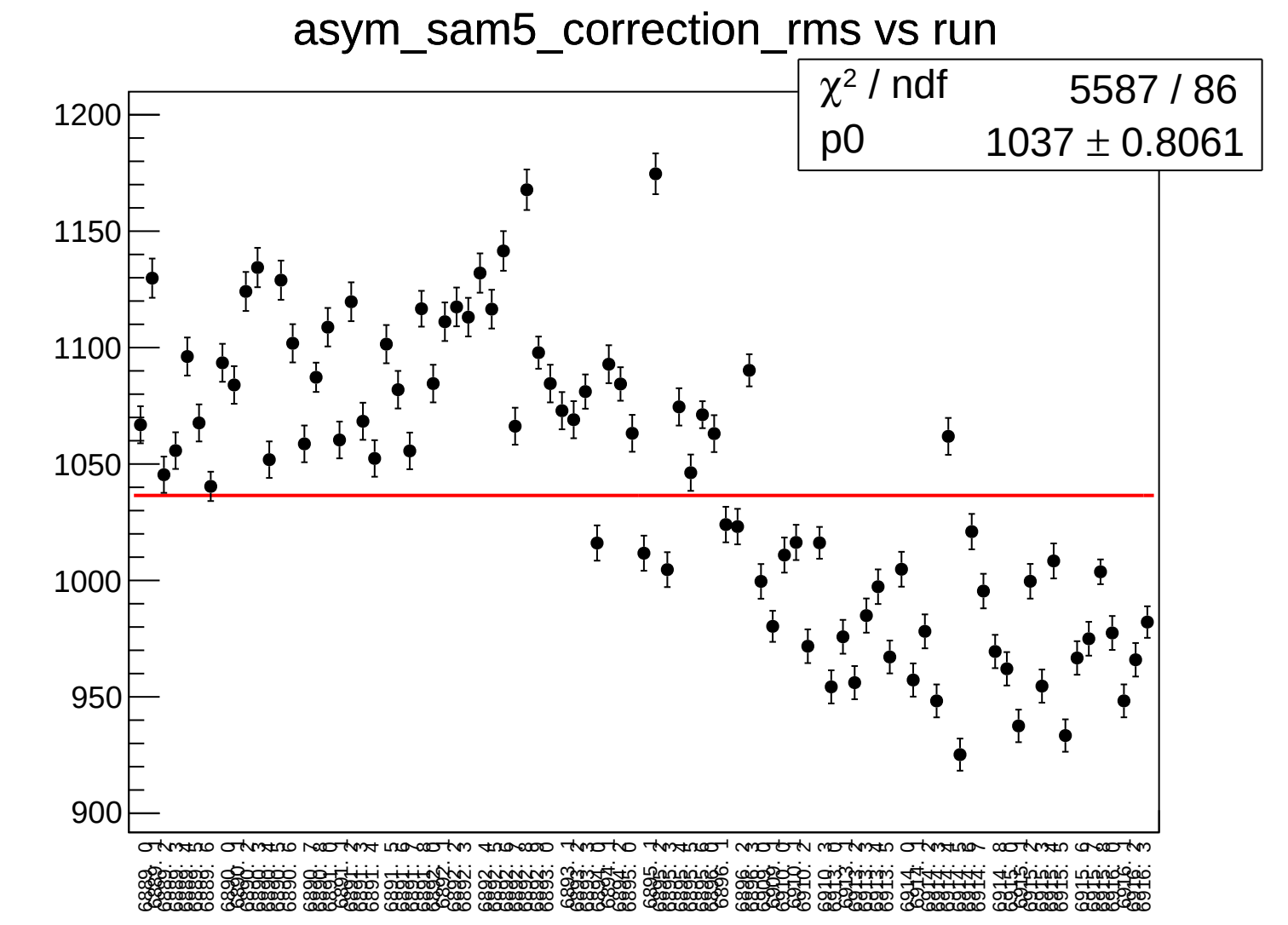

dit_asym_sam5_mean vs run
χ² / ndf 82.27 / 86
p0 −264 ± 176.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 59.79
Std Dev 29.58
3
2
1
0
−1
−2

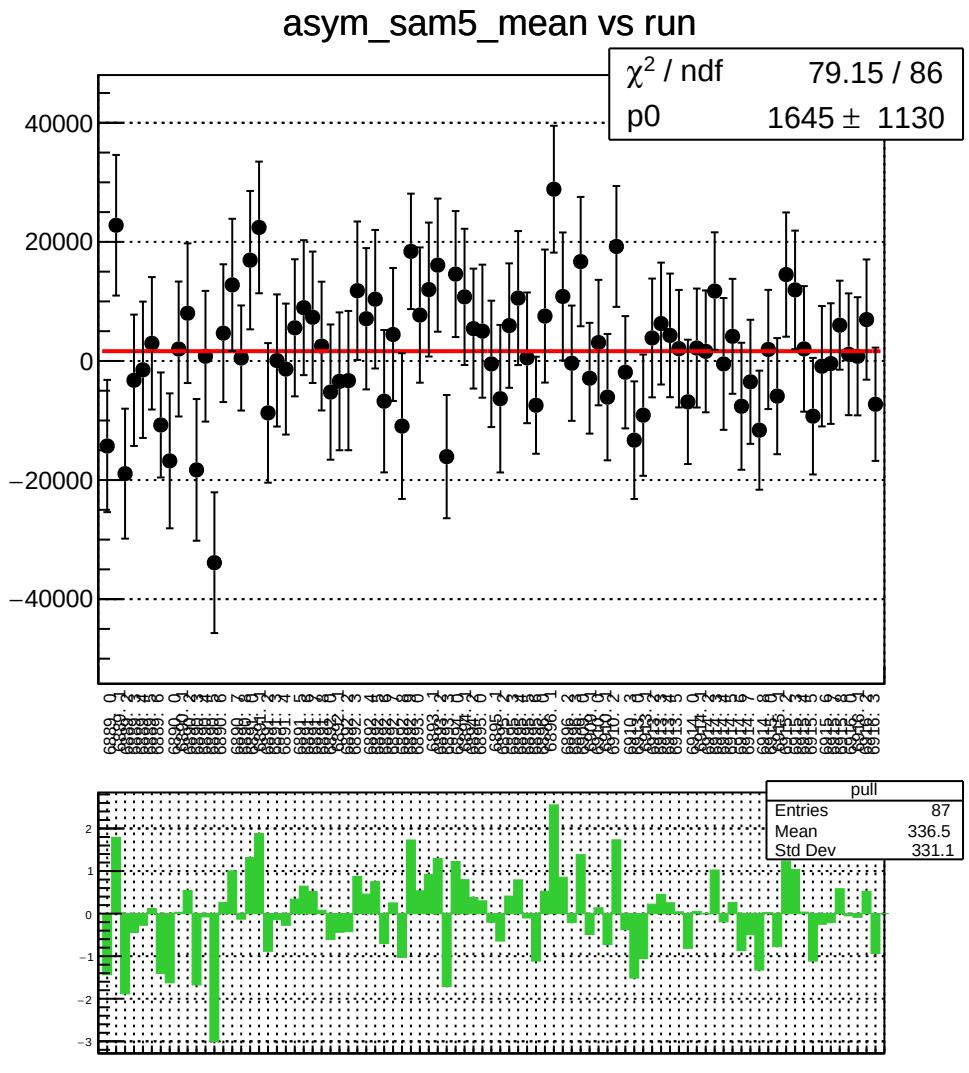

pull1D
Entries 87
Mean 0.01178
Std Dev 0.9724
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

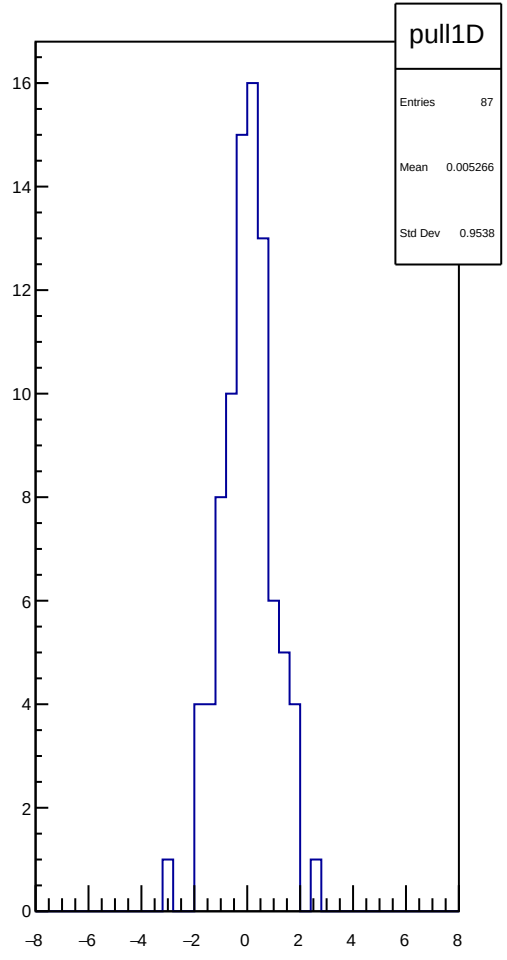

dit_asym_sam5_rms vs run
χ^2 / ndf 2875 / 86
p0 160.7 ± 0.1249
175
170
165
160
155
150

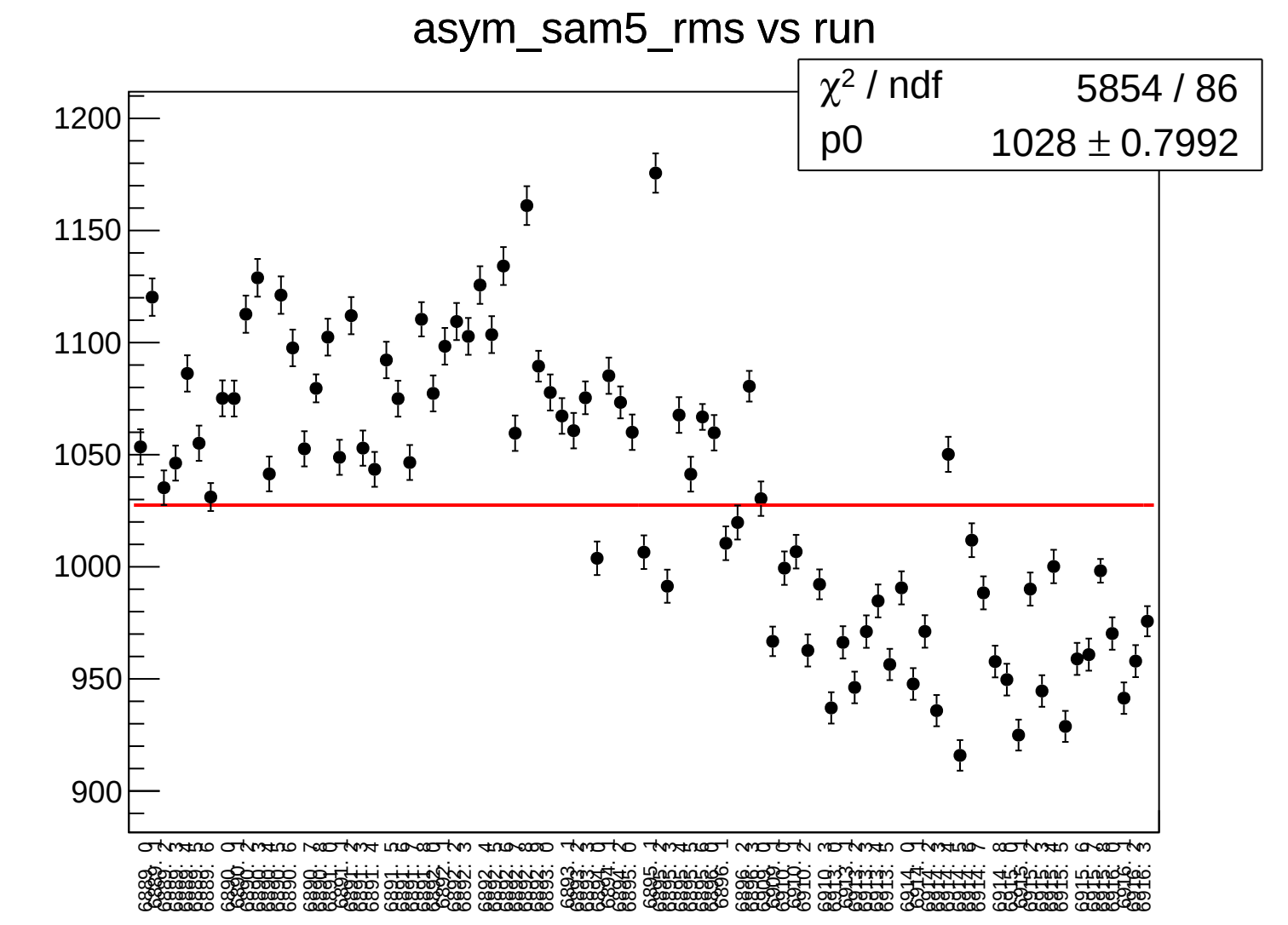

asym_sam5_correction_mean vs run
χ² / ndf 79.4 / 86
p0 −1914 ± 1140
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 494.2
Std Dev 492
3
2
1
0
−1
−2

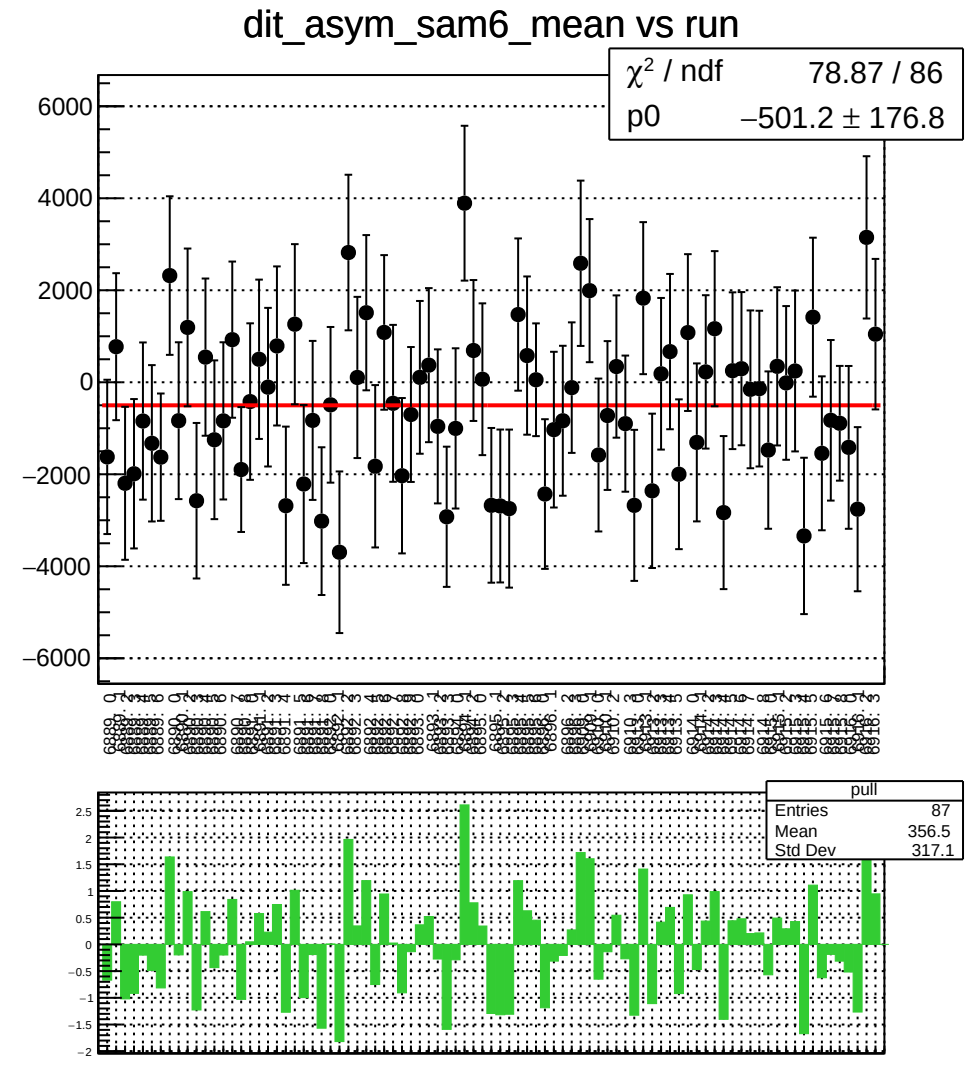

pull1D
Entries 87
Mean −0.00327
Std Dev 0.9553
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

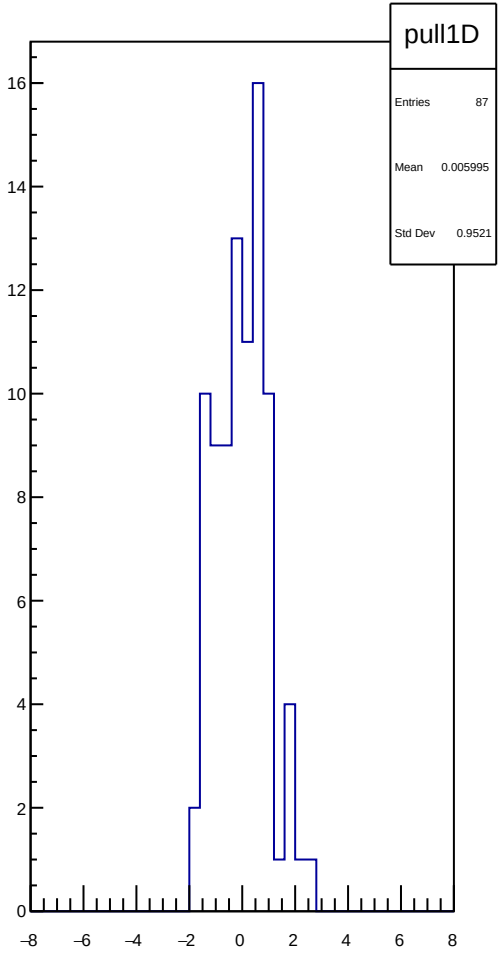

asym_sam5_correction_rms vs run
χ² / ndf 5587 / 86
p0 1037 ± 0.8061
1200
1150
1100
1050
1000
950
900

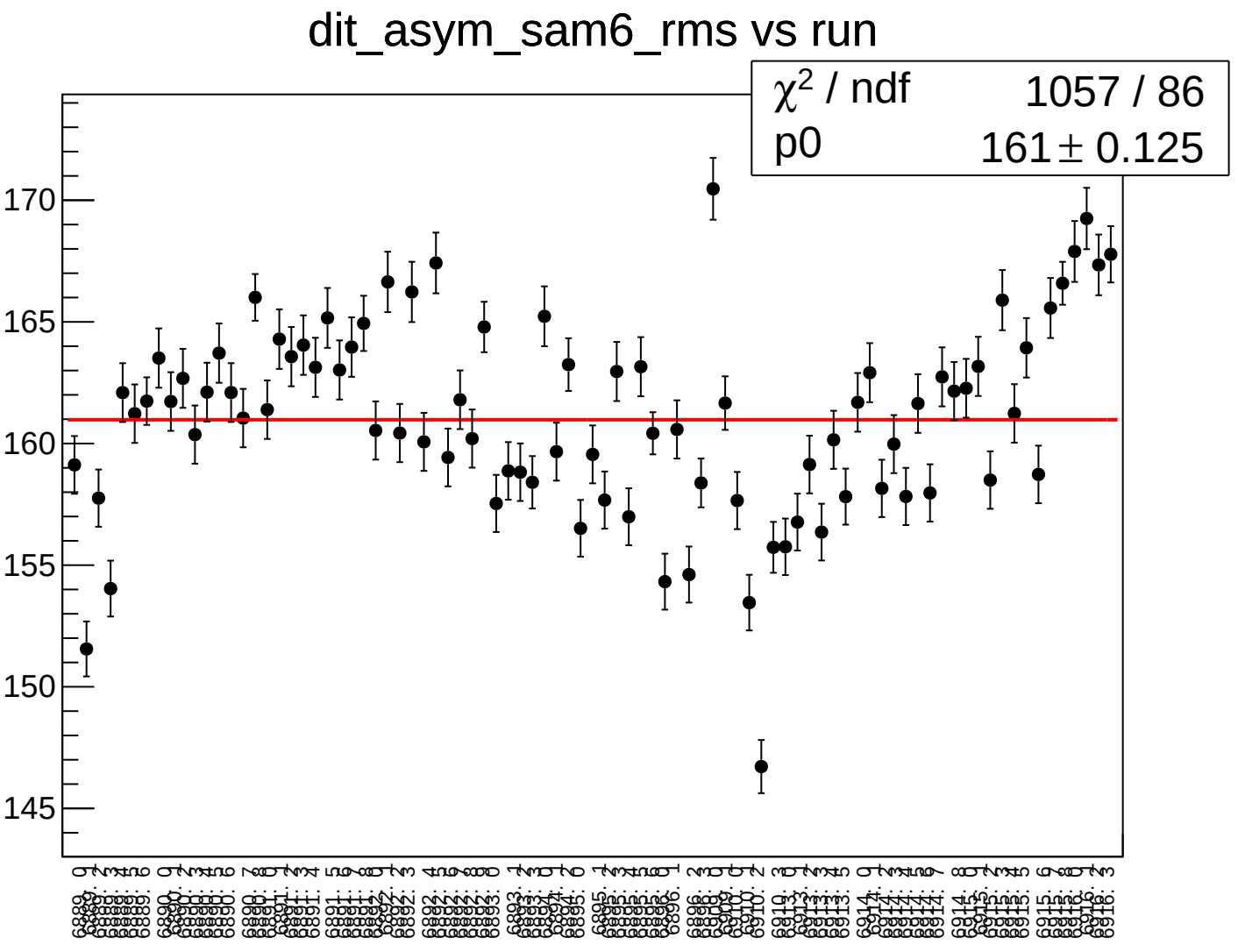

asym_sam5_mean vs run
χ² / ndf 79.15 / 86
p0 1645 ± 1130
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 336.5
Std Dev 331.1
2
1
0
−1
−2
−3

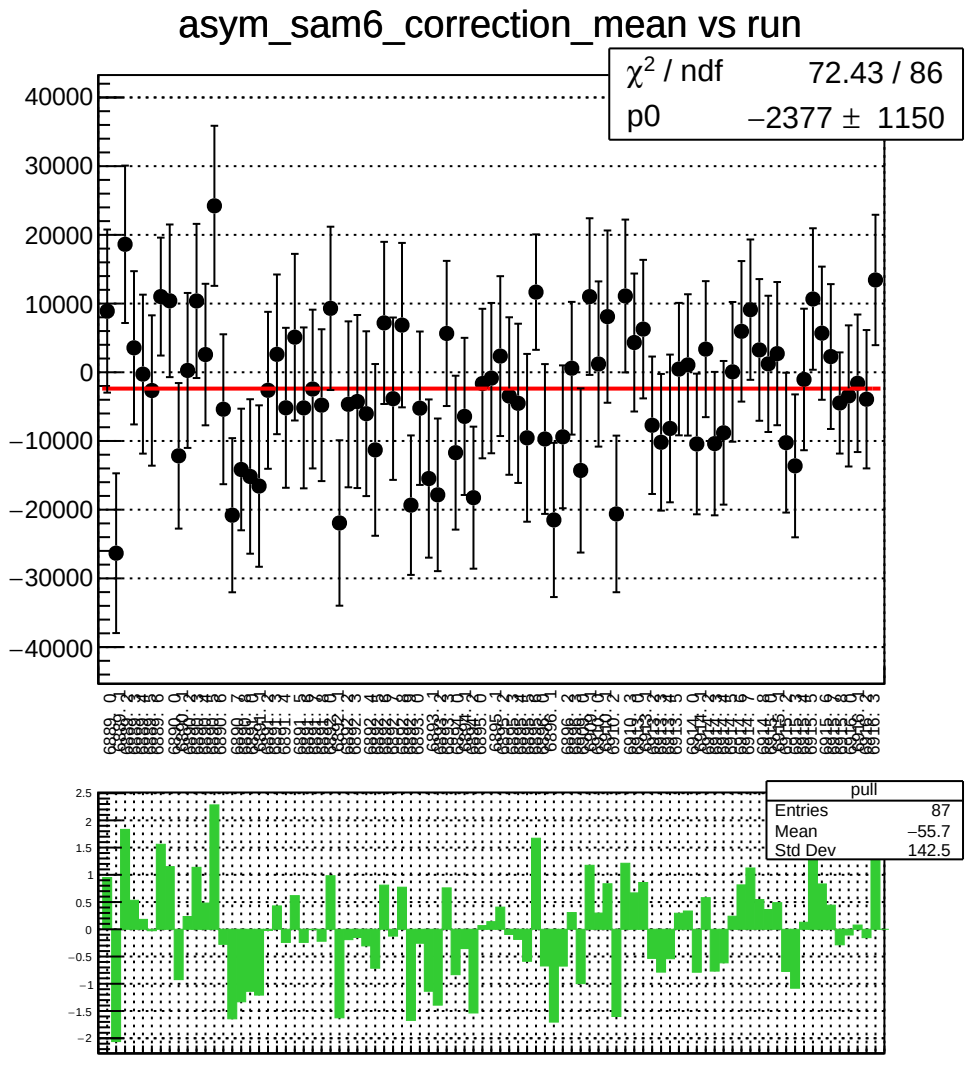

pull1D
Entries 87
Mean 0.005266
Std Dev 0.9538
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

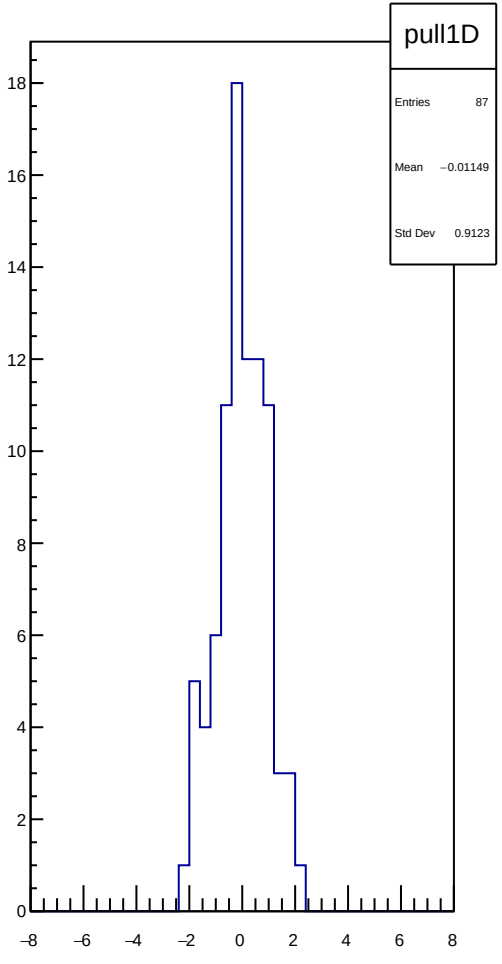

asym_sam5_rms vs run
χ² / ndf 5854 / 86
p0 1028 ± 0.7992
1200
1150
1100
1050
1000
950
900

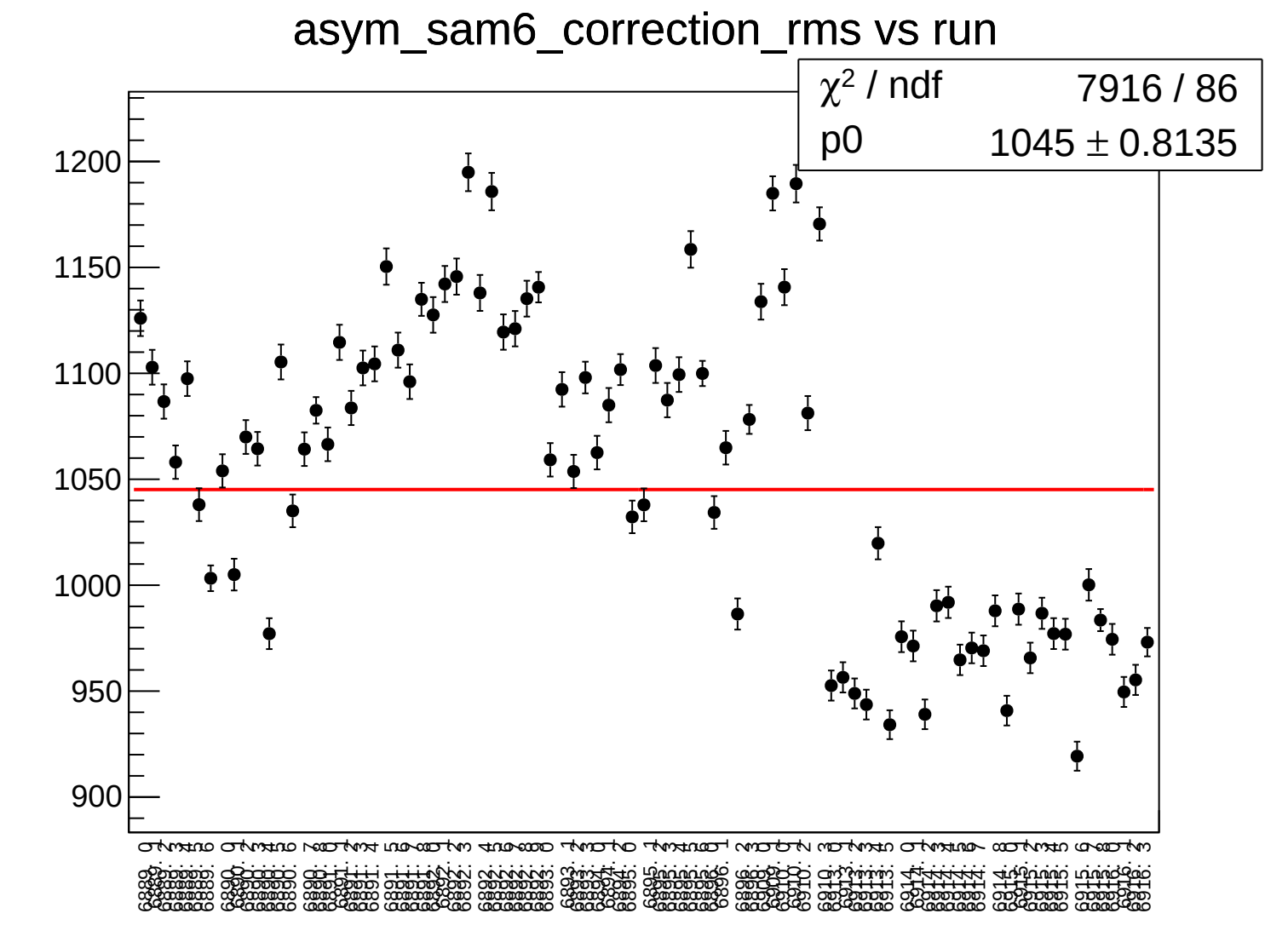

dit_asym_sam6_mean vs run
χ² / ndf 78.87 / 86
p0 −501.2 ± 176.8
pull
Entries 87
Mean 356.5
Std Dev 317.1

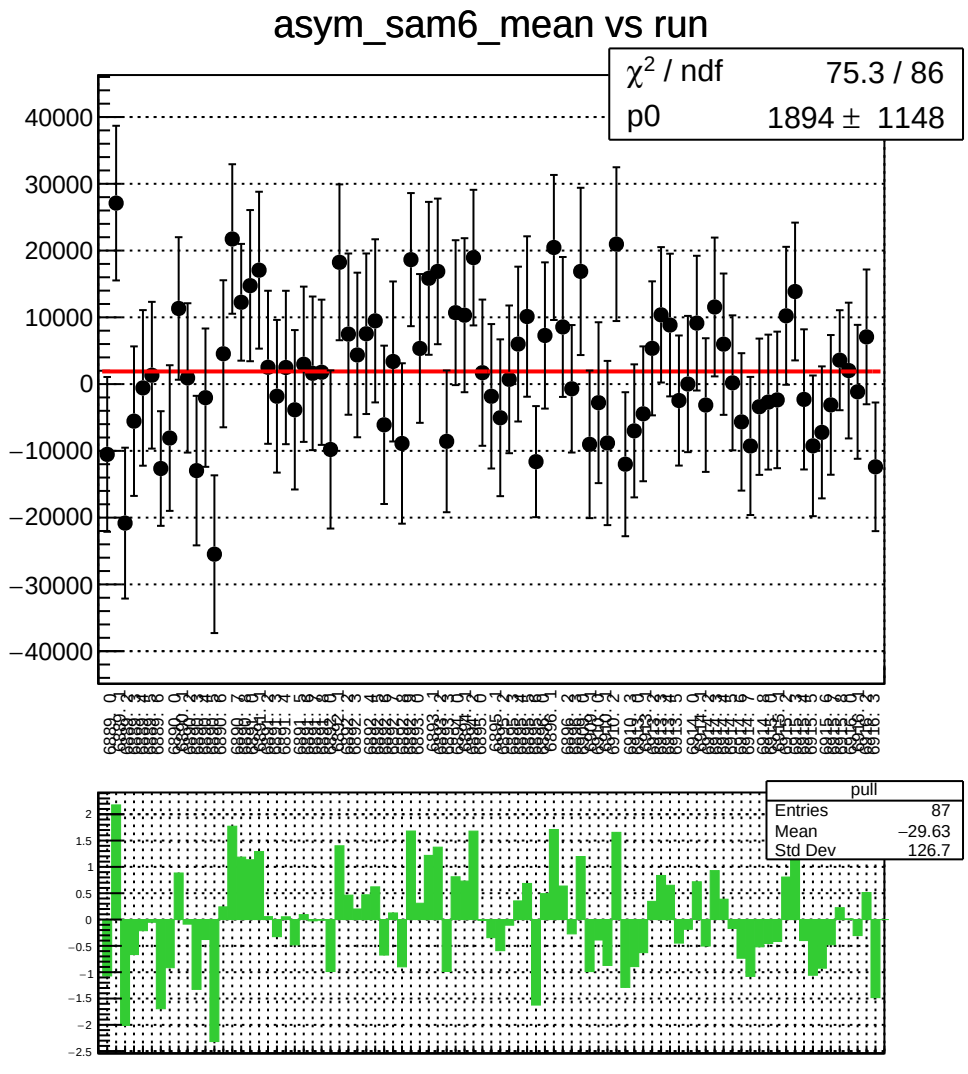

pull1D
Entries 87
Mean 0.005995
Std Dev 0.9521

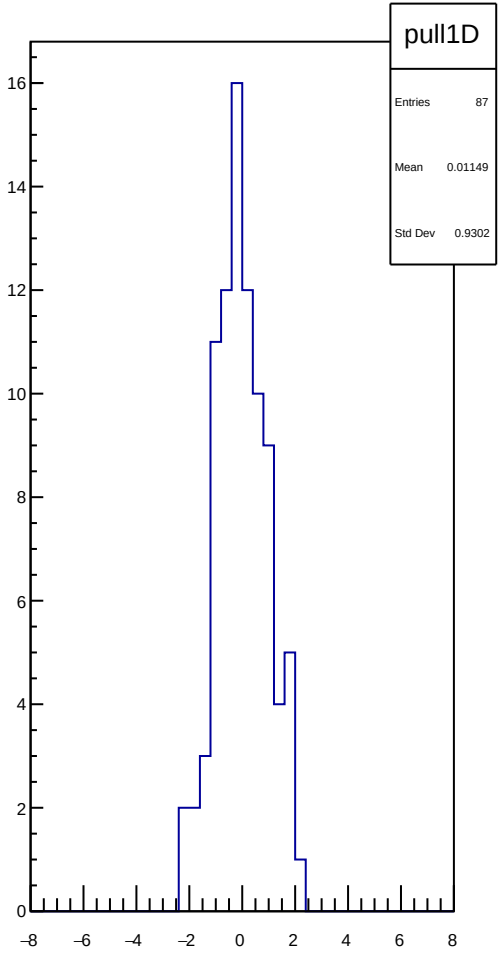

dit_asym_sam6_rms vs run
χ^2 / ndf 1057 / 86
p0 161 ± 0.125
170
165
160
155
150
145

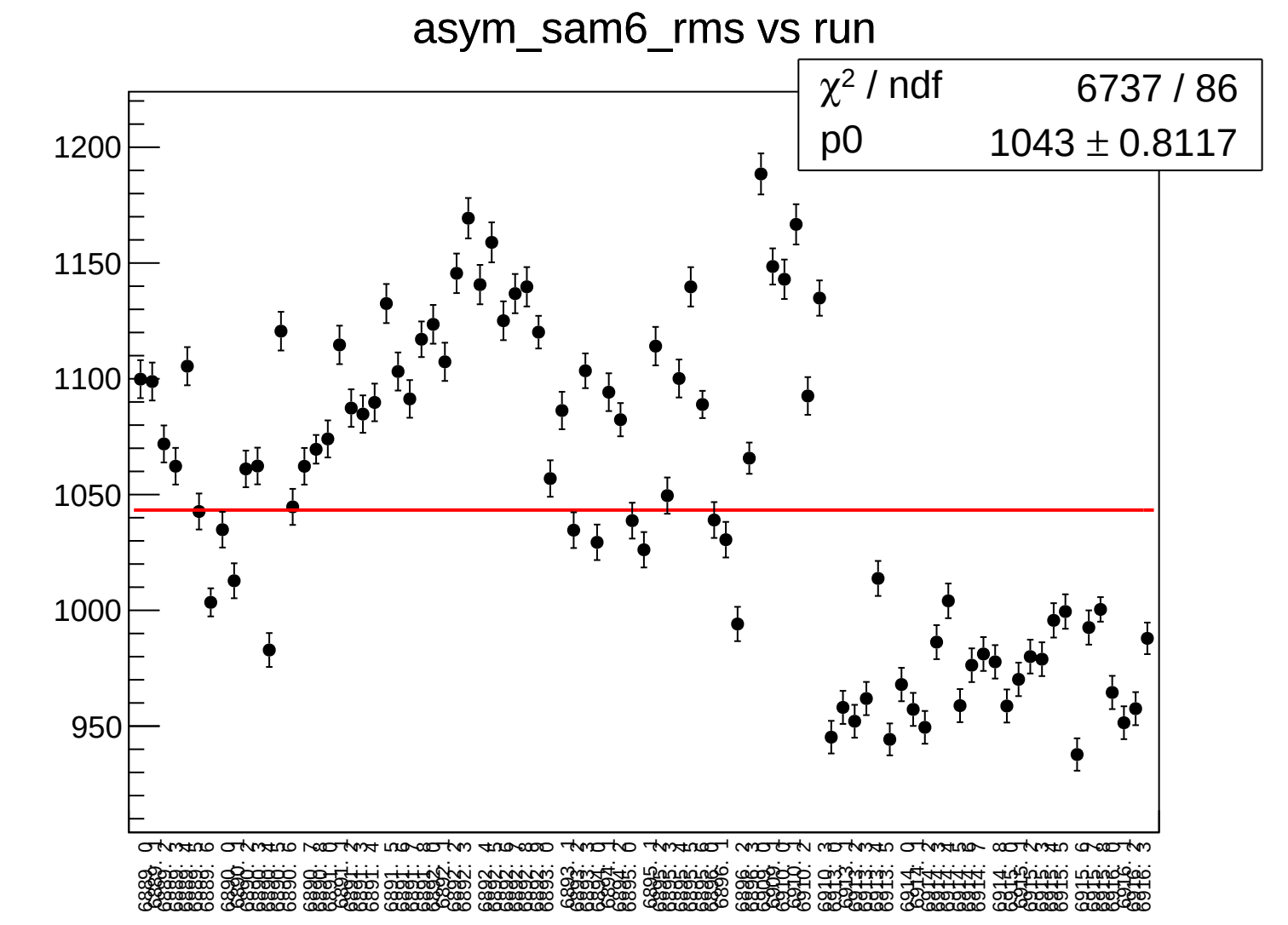

asym_sam6_correction_mean vs run
χ² / ndf 72.43 / 86
p0 −2377 ± 1150
pull
Entries 87
Mean −55.7
Std Dev 142.5

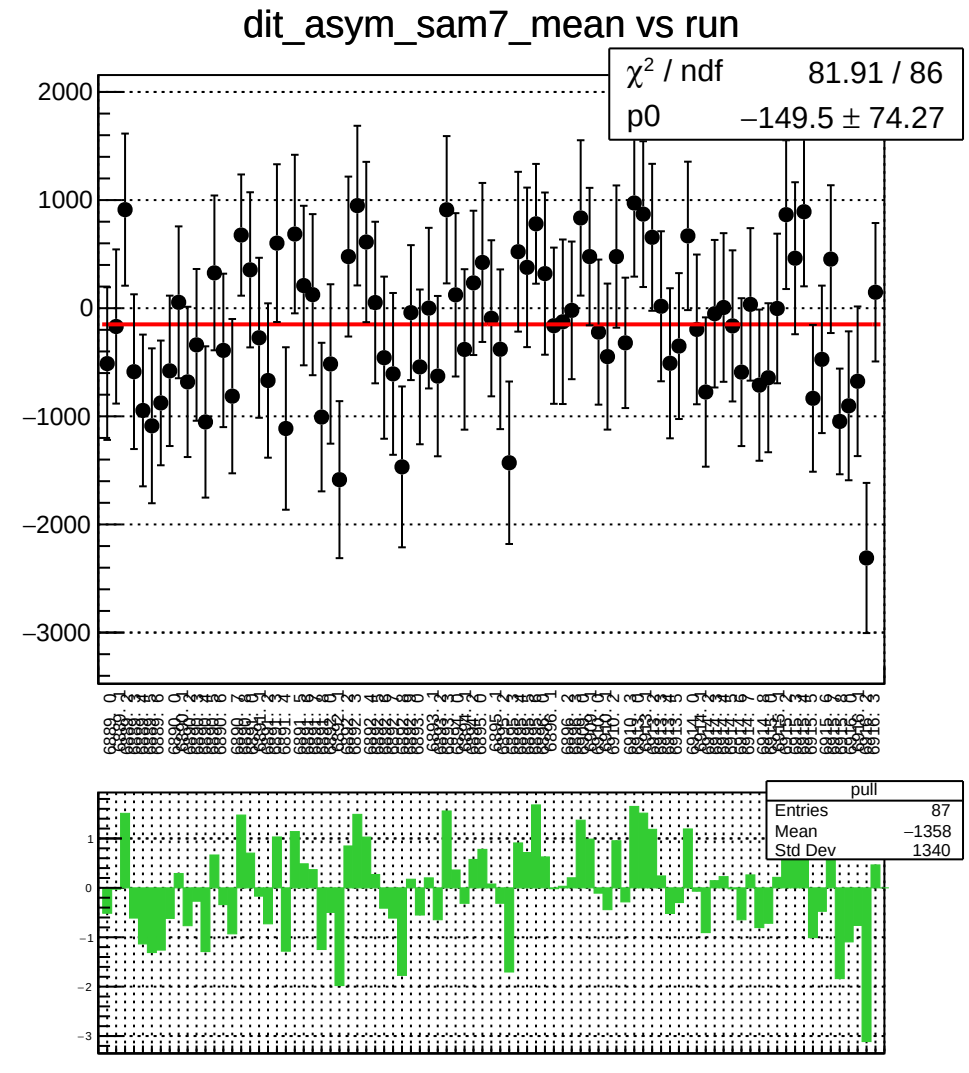

pull1D
Entries 87
Mean −0.01149
Std Dev 0.9123

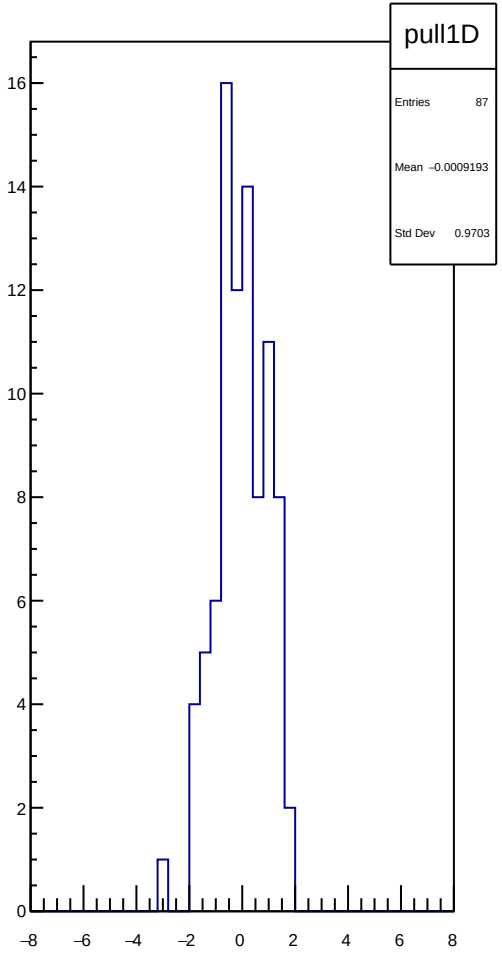

asym_sam6_correction_rms vs run
χ² / ndf 7916 / 86
p0 1045 ± 0.8135
1200
1150
1100
1050
1000
950
900

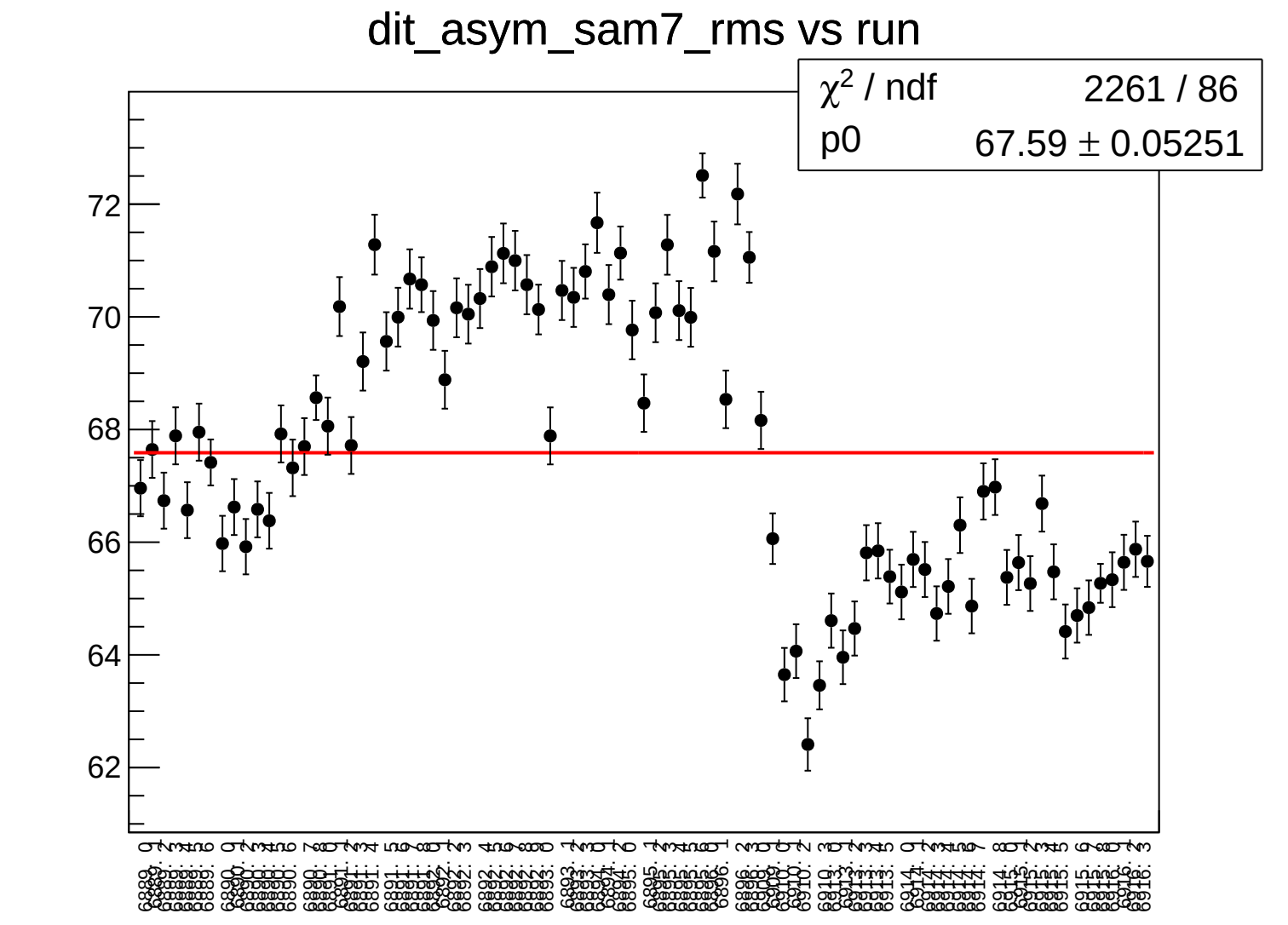

asym_sam6_mean vs run
χ² / ndf 75.3 / 86
p0 1894 ± 1148
pull
Entries 87
Mean −29.63
Std Dev 126.7

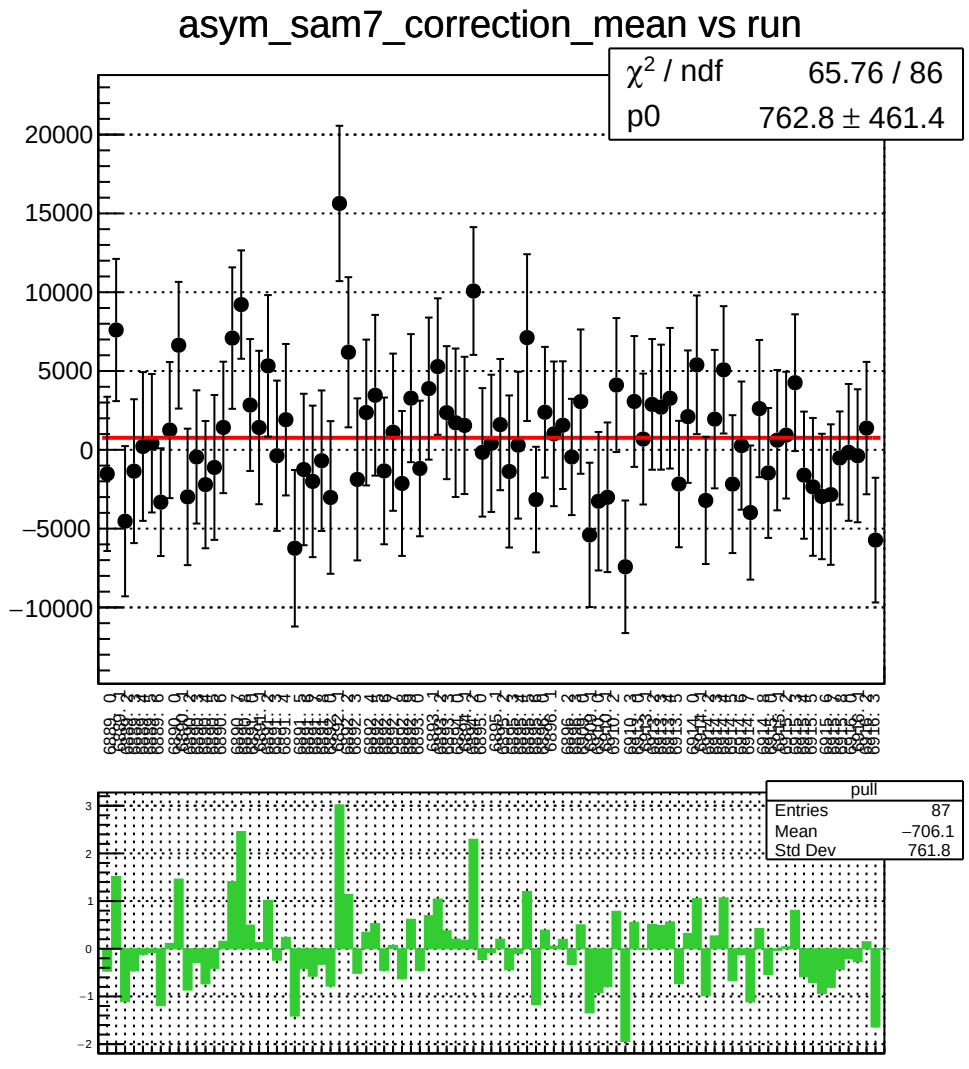

pull1D
Entries 87
Mean 0.01149
Std Dev 0.9302

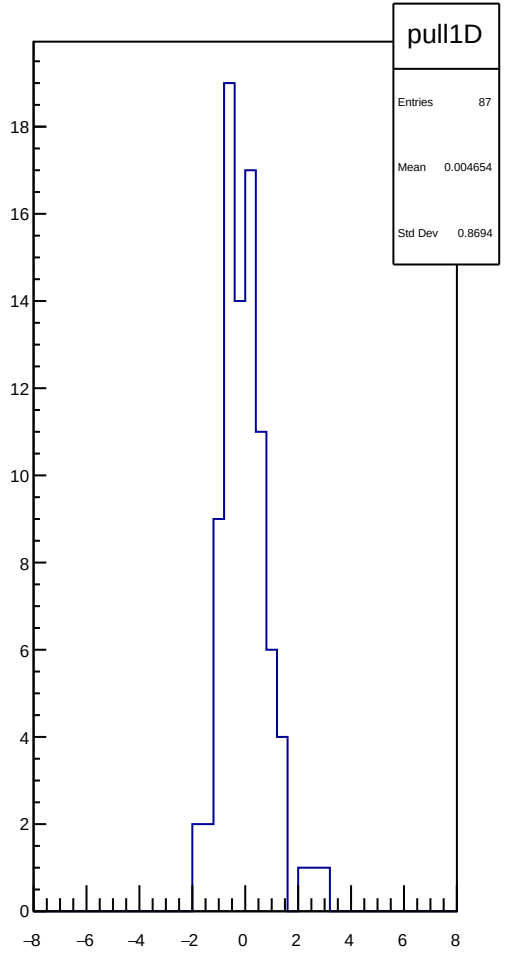

asym_sam6_rms vs run
χ² / ndf 6737 / 86
p0 1043 ± 0.8117
1200
1150
1100
1050
1000
950

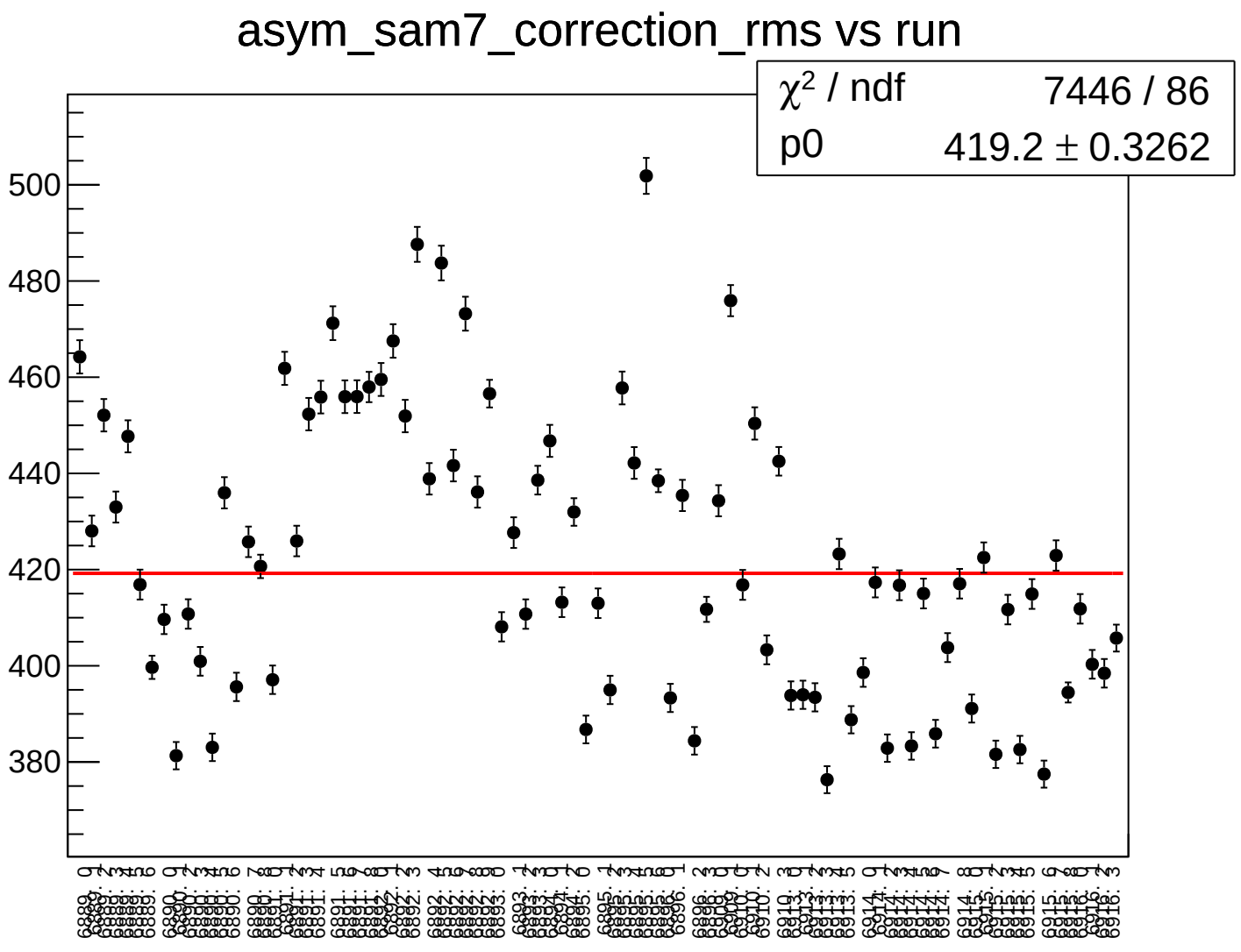

dit_asym_sam7_mean vs run
χ² / ndf 81.91 / 86
p0 −149.5 ± 74.27
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −1358
Std Dev 1340

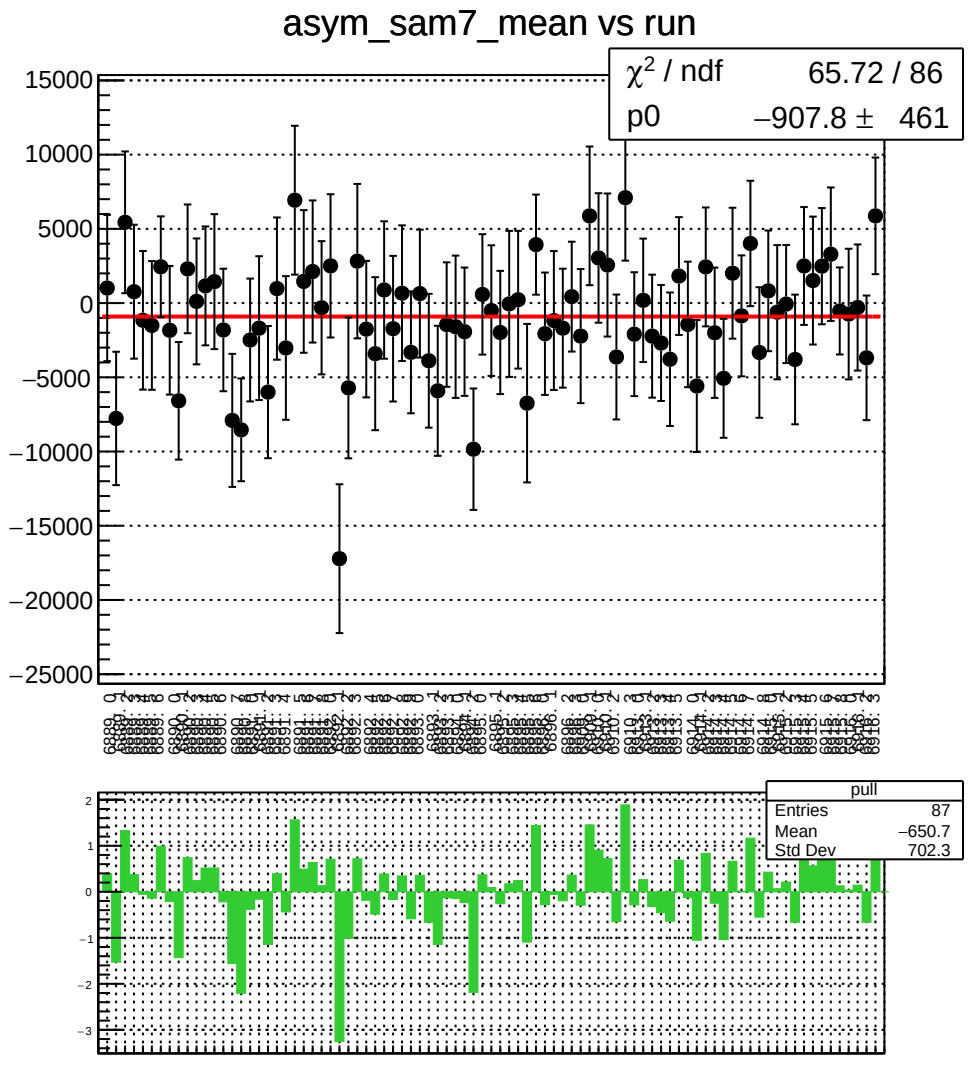

pull1D
Entries 87
Mean −0.0009193
Std Dev 0.9703
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

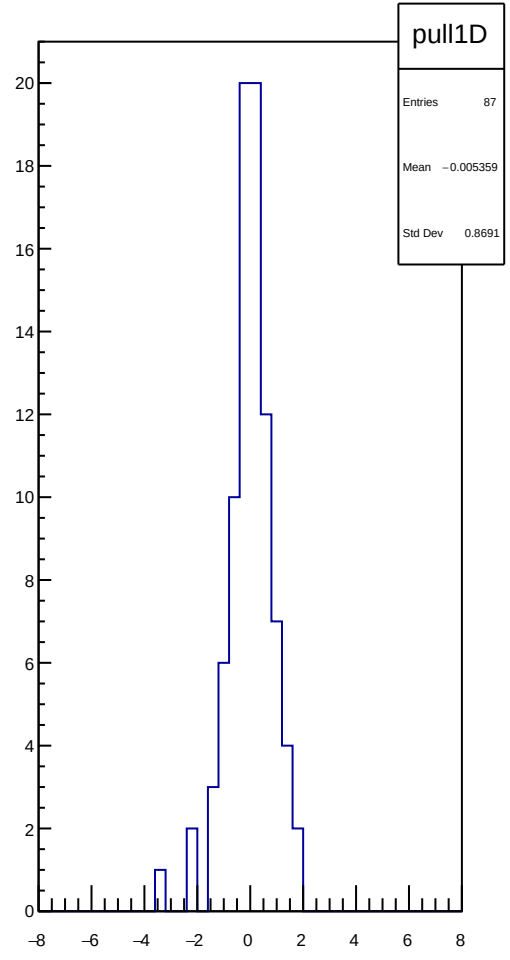

dit_asym_sam7_rms vs run
χ^2 / ndf 2261 / 86
p0 67.59 ± 0.05251
72
70
68
66
64
62

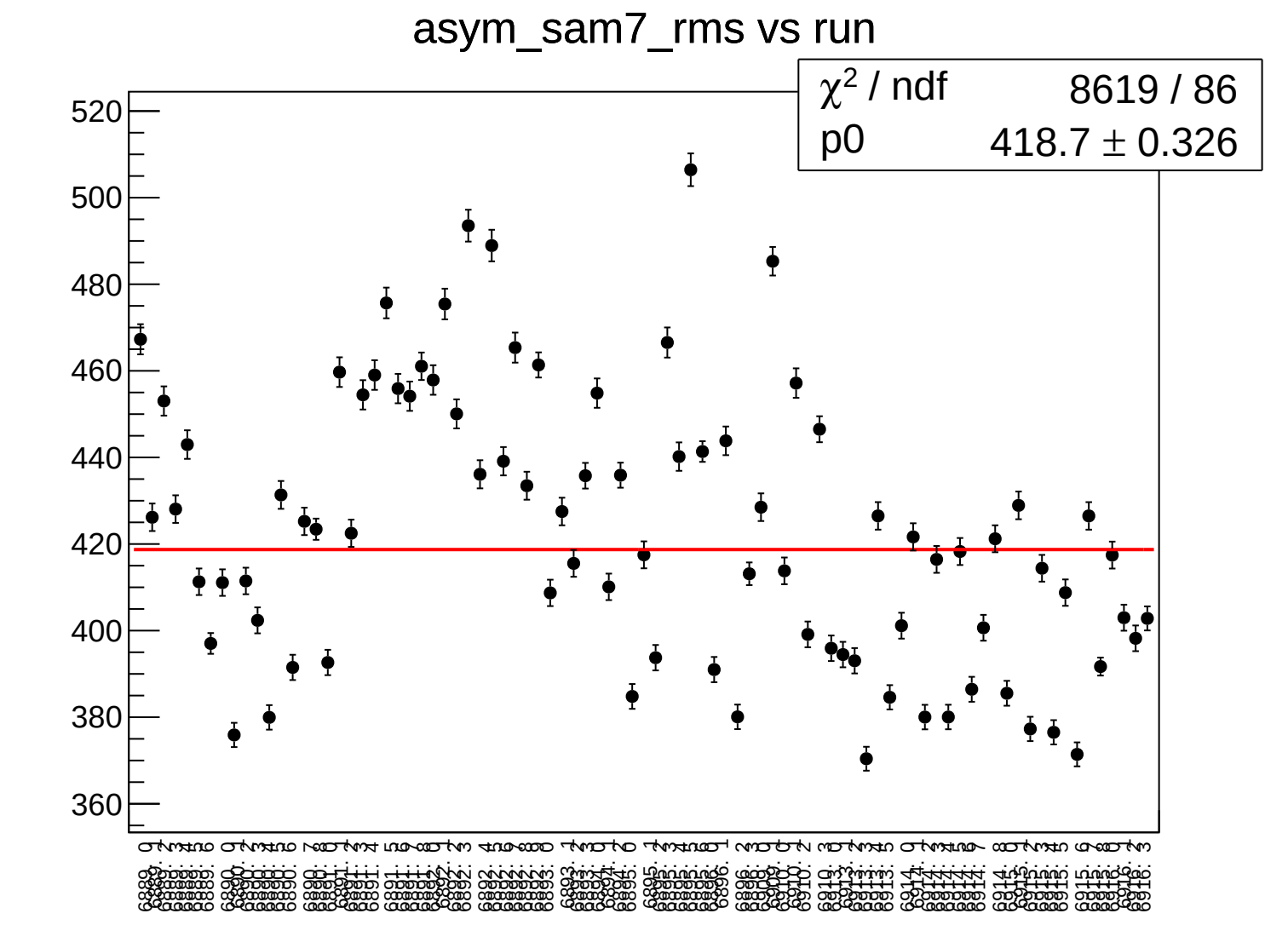

asym_sam7_correction_mean vs run
χ² / ndf 65.76 / 86
p0 762.8 ± 461.4
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −706.1
Std Dev 761.8
3
2
1
0
−1
−2

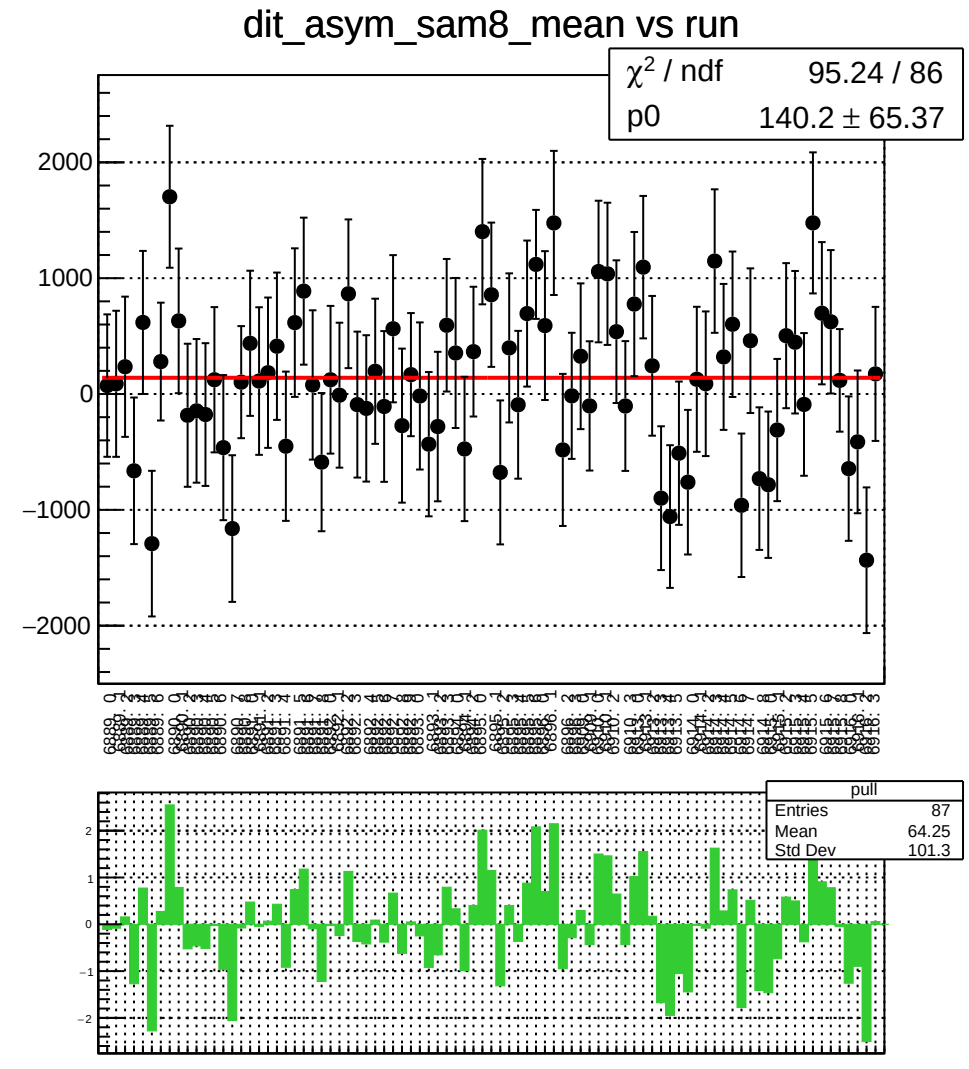

pull1D
Entries 87
Mean 0.004654
Std Dev 0.8694
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

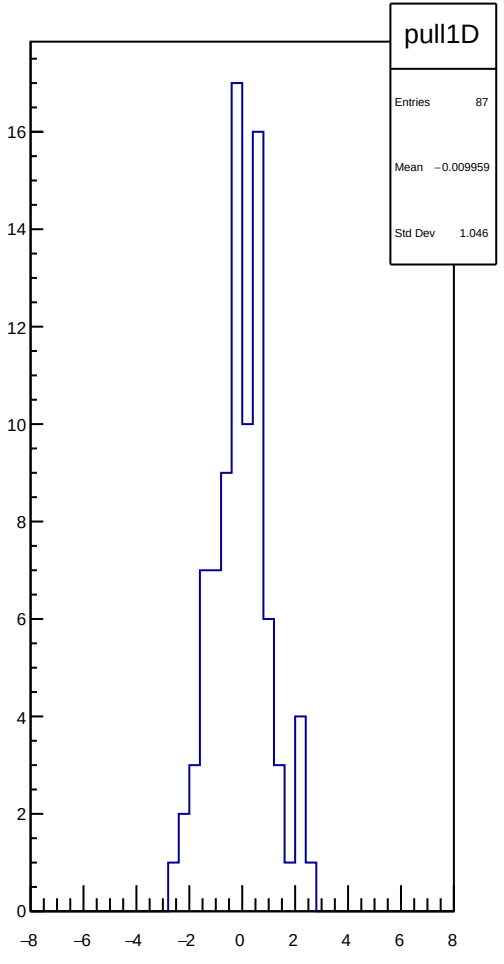

asym_sam7_correction_rms vs run
χ² / ndf 7446 / 86
p0 419.2 ± 0.3262
500
480
460
440
420
400
380

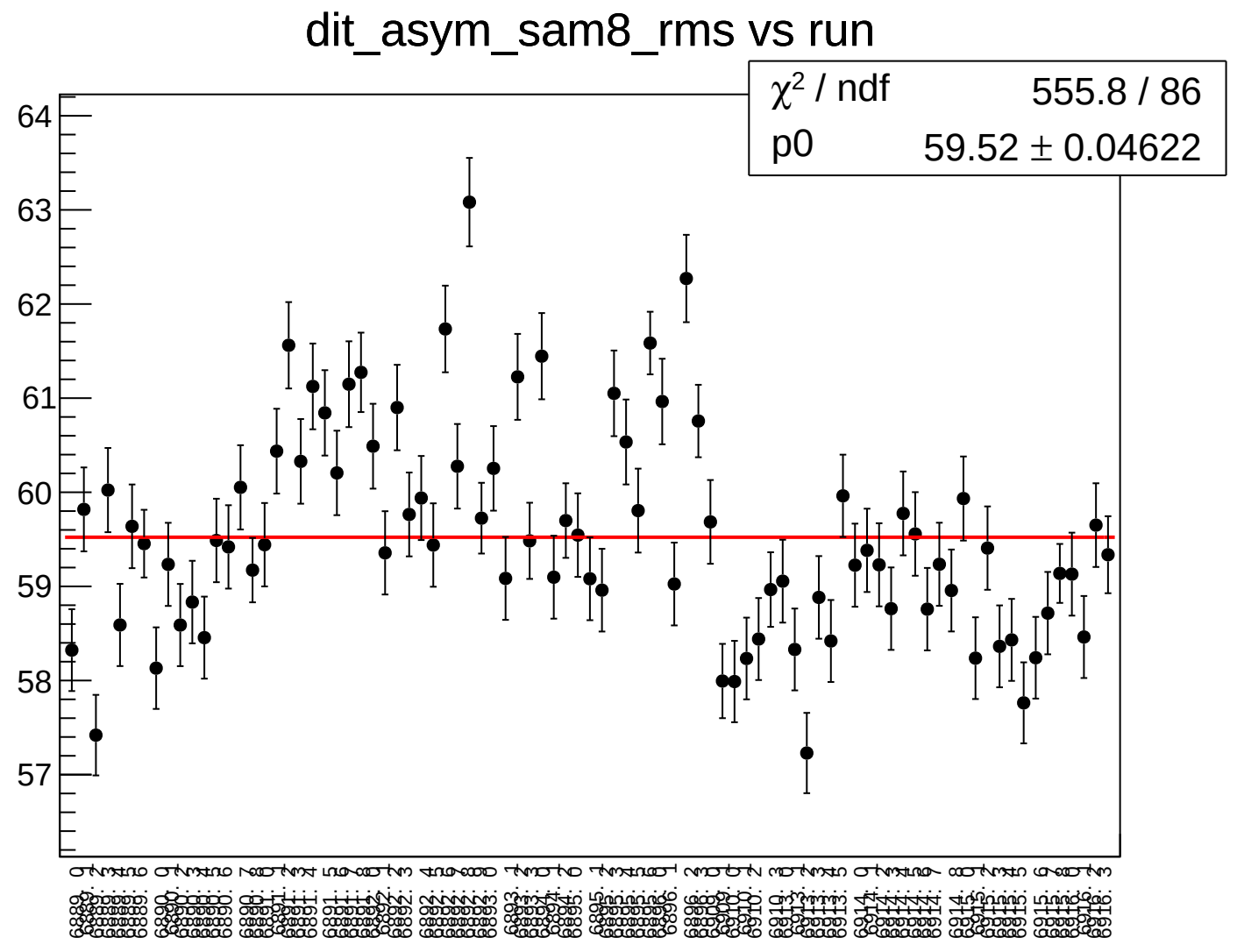

asym_sam7_mean vs run
χ² / ndf 65.72 / 86
p0 −907.8 ± 461
pull
Entries 87
Mean −650.7
Std Dev 702.3

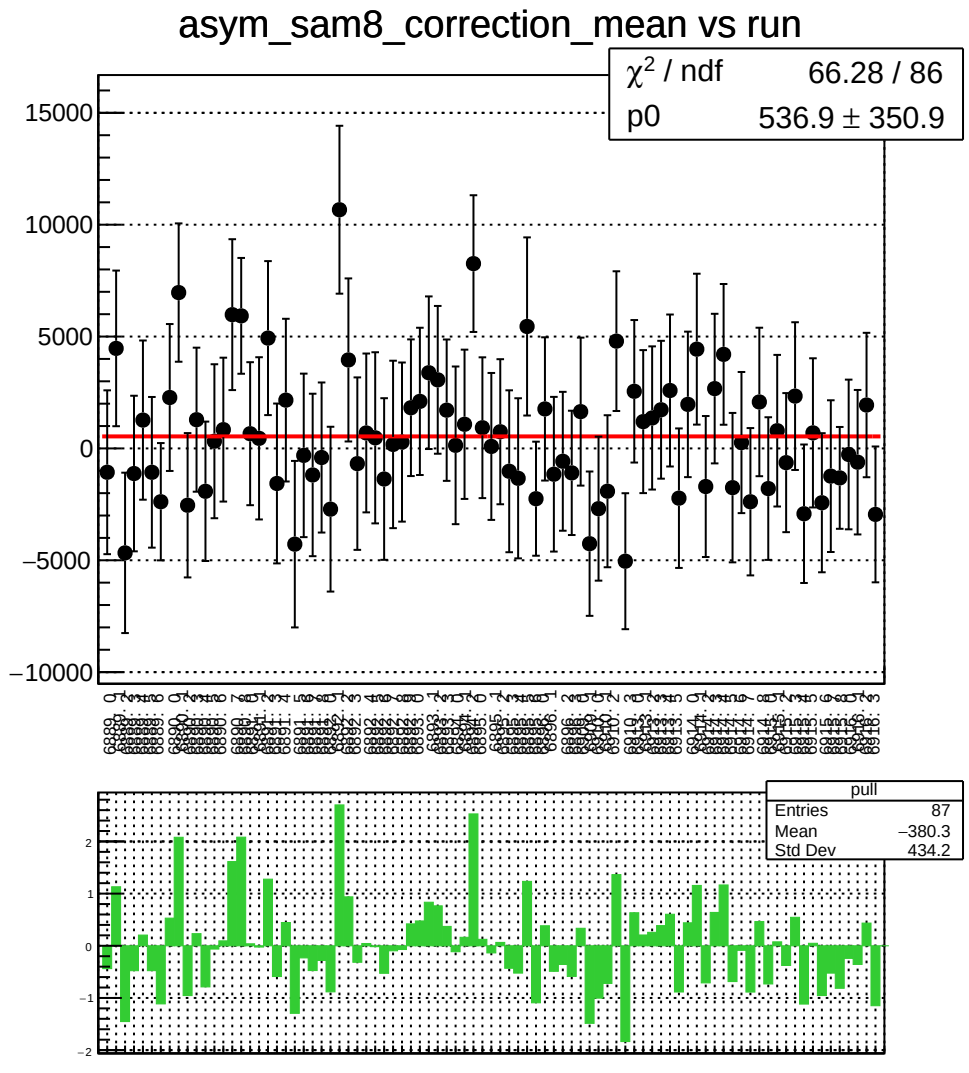

pull1D
Entries 87
Mean −0.005359
Std Dev 0.8691

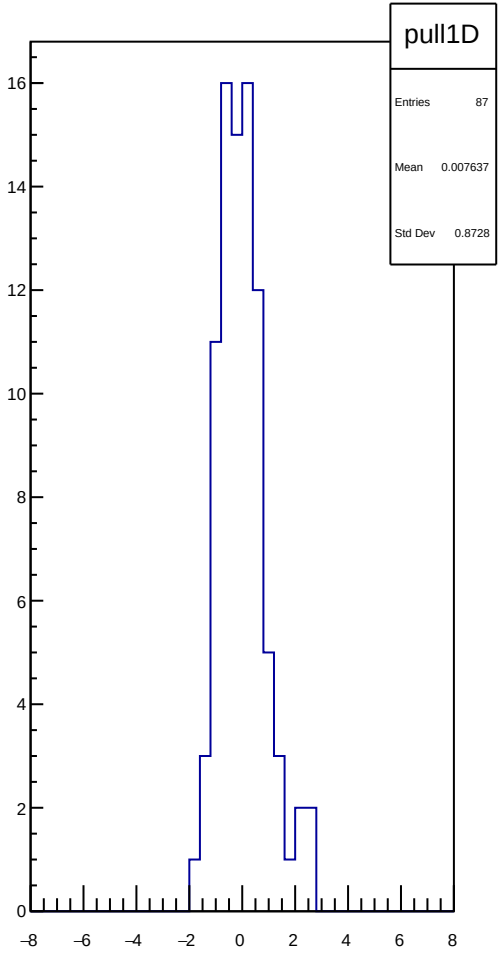

asym_sam7_rms vs run
χ^2 / ndf 8619 / 86
p0 418.7 ± 0.326
520
500
480
460
440
420
400
380
360

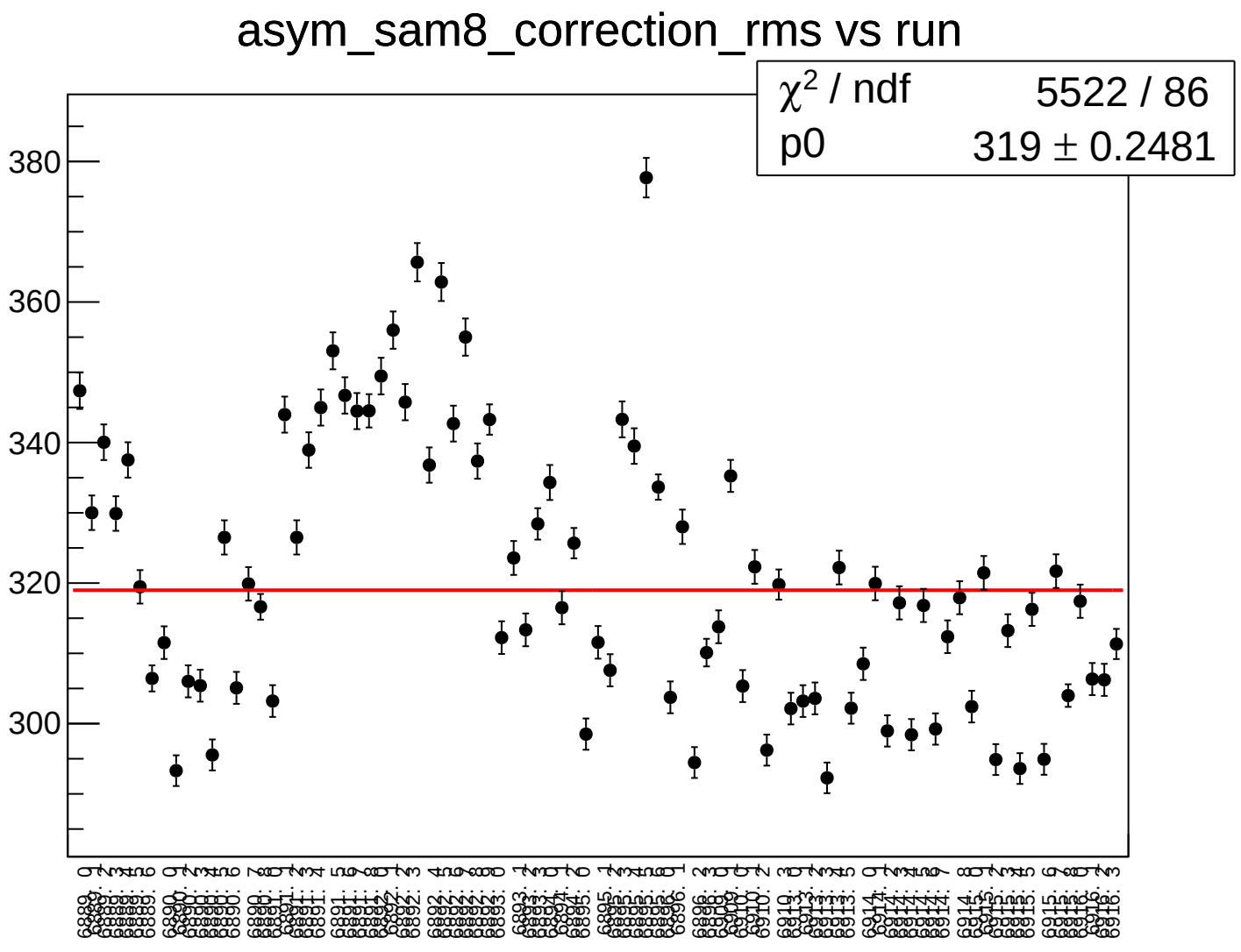

dit_asym_sam8_mean vs run
χ² / ndf 95.24 / 86
p0 140.2 ± 65.37
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 64.25
Std Dev 101.3
2
1
0
−1
−2

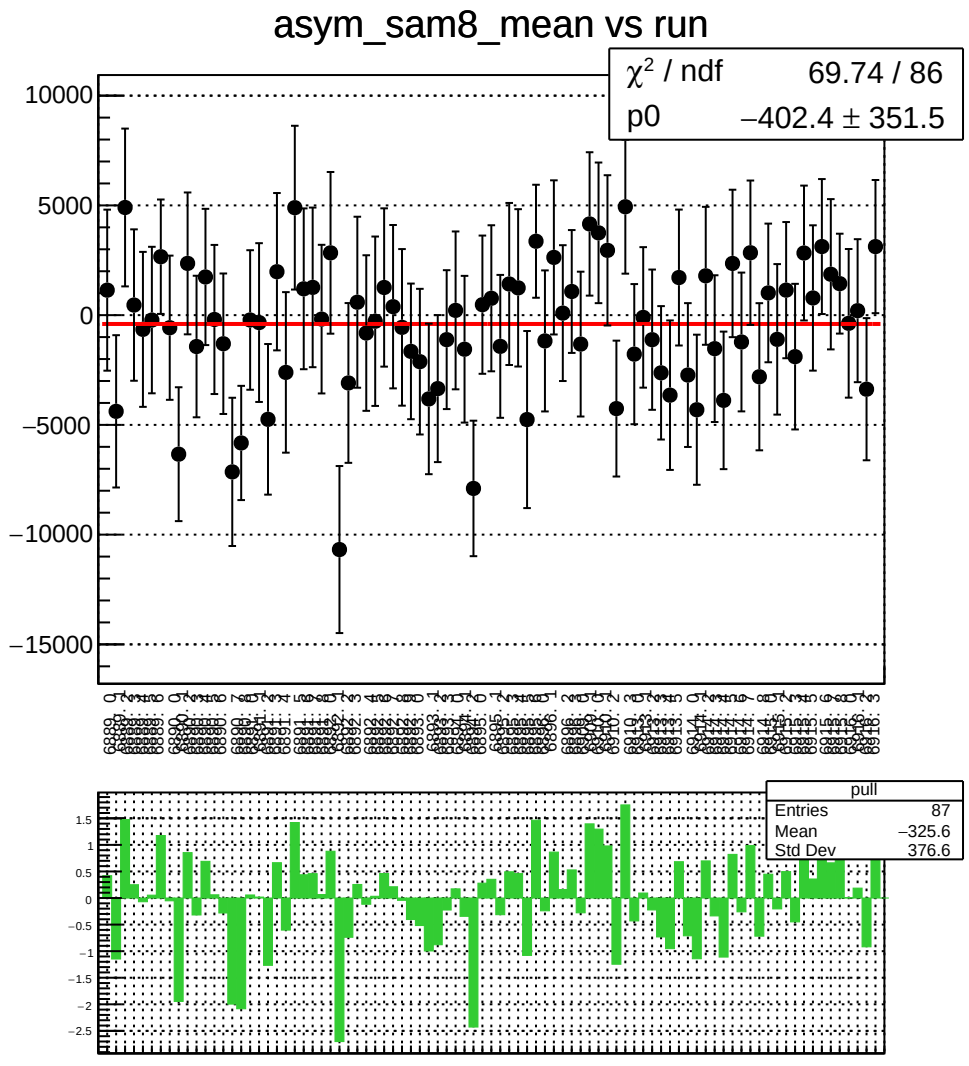

pull1D
Entries 87
Mean −0.009959
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

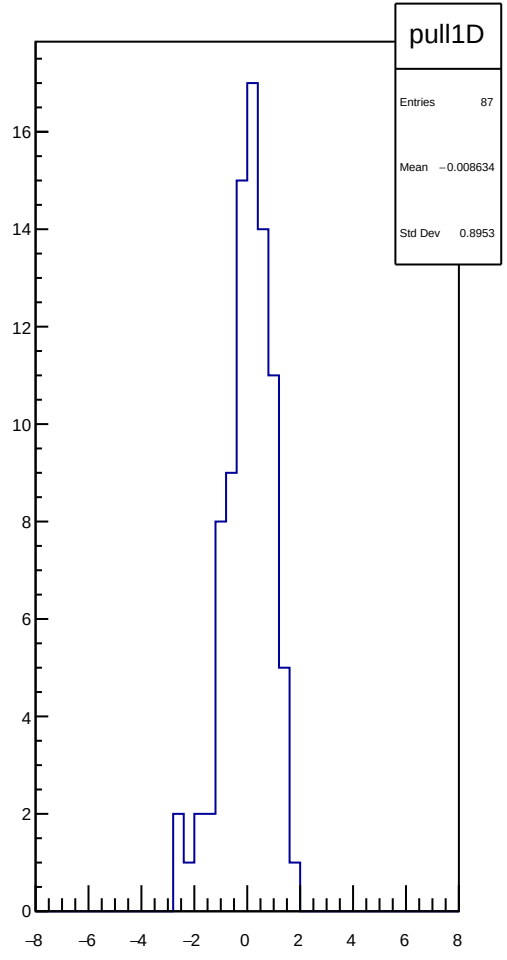

dit_asym_sam8_rms vs run
χ^2 / ndf 555.8 / 86
p0 59.52 ± 0.04622
64
63
62
61
60
59
58
57

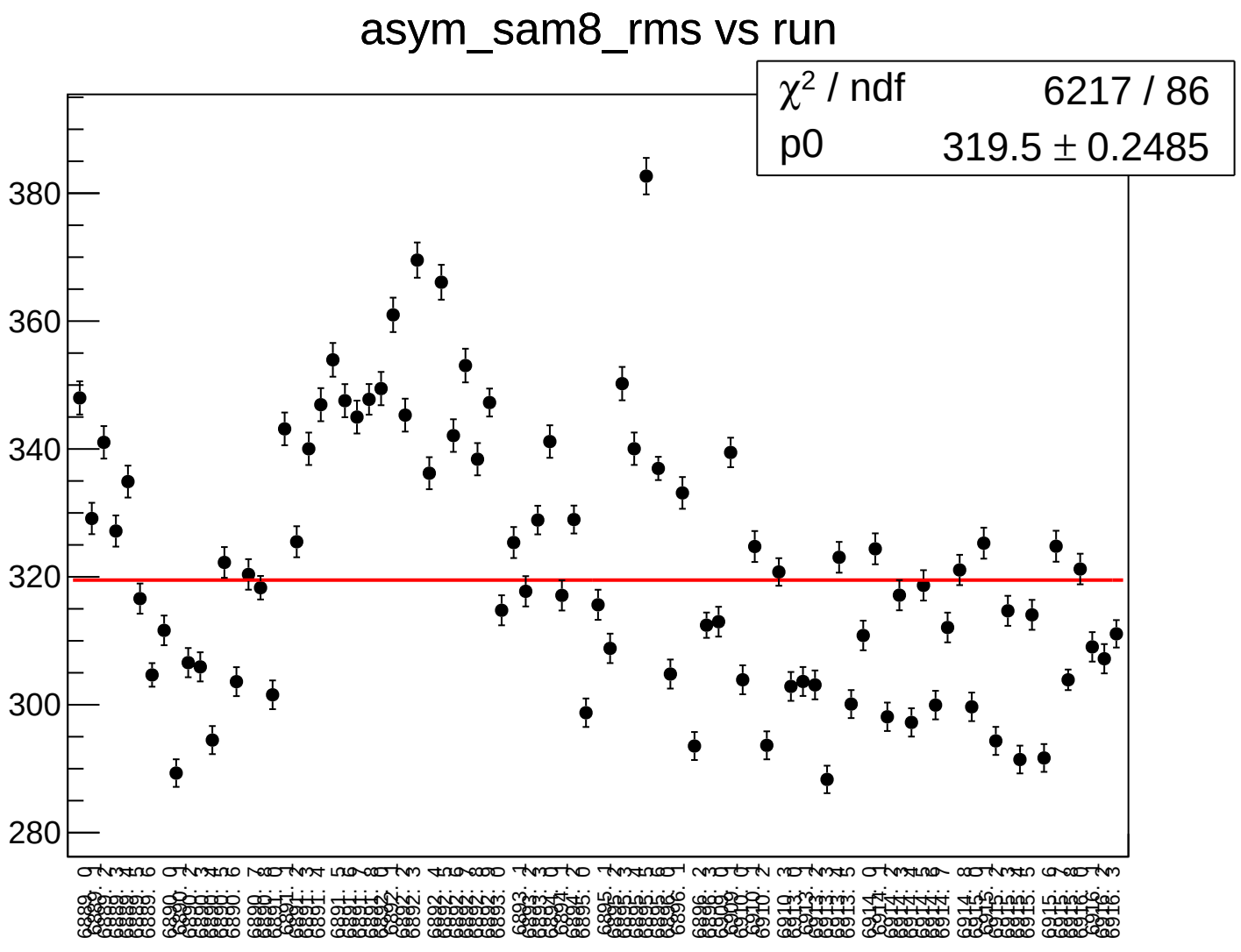

asym_sam8_correction_mean vs run
χ² / ndf 66.28 / 86
p0 536.9 ± 350.9
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −380.3
Std Dev 434.2
2
1
0
−1
−2

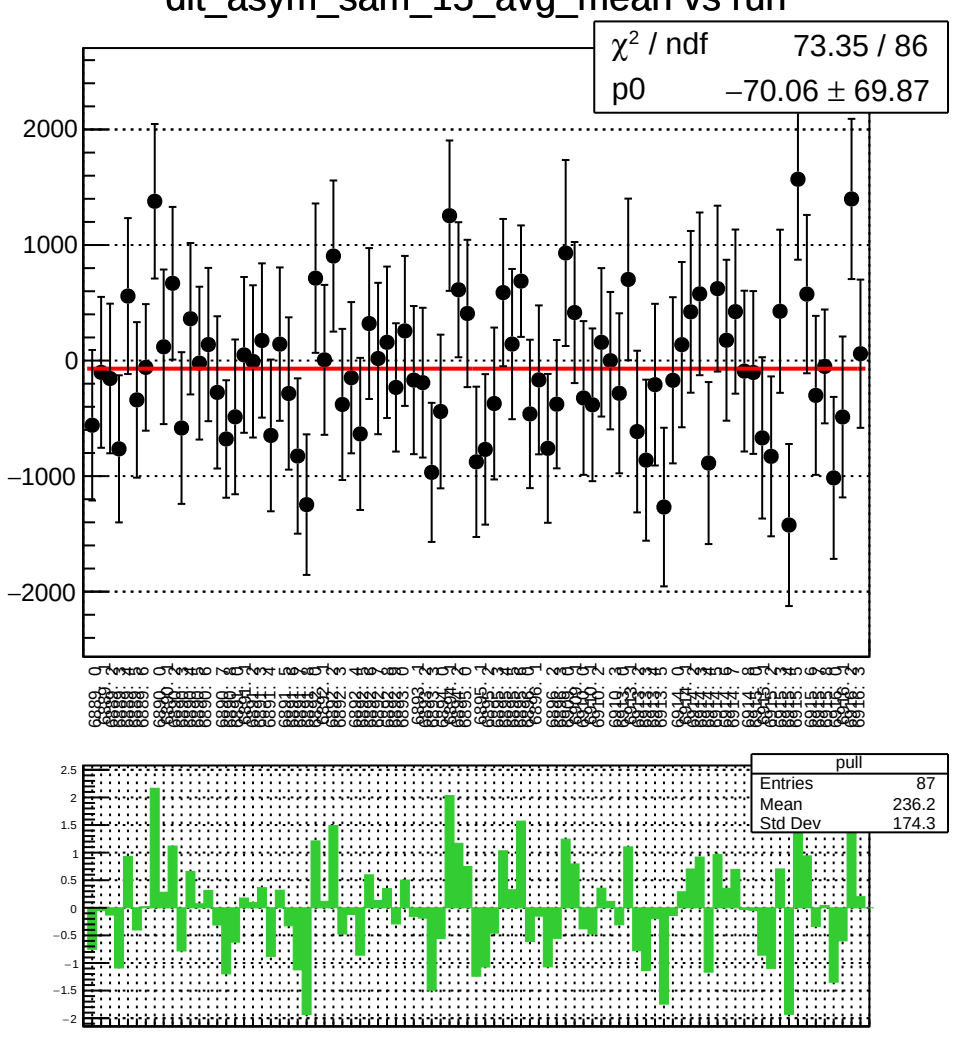

pull1D
Entries 87
Mean 0.007637
Std Dev 0.8728
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

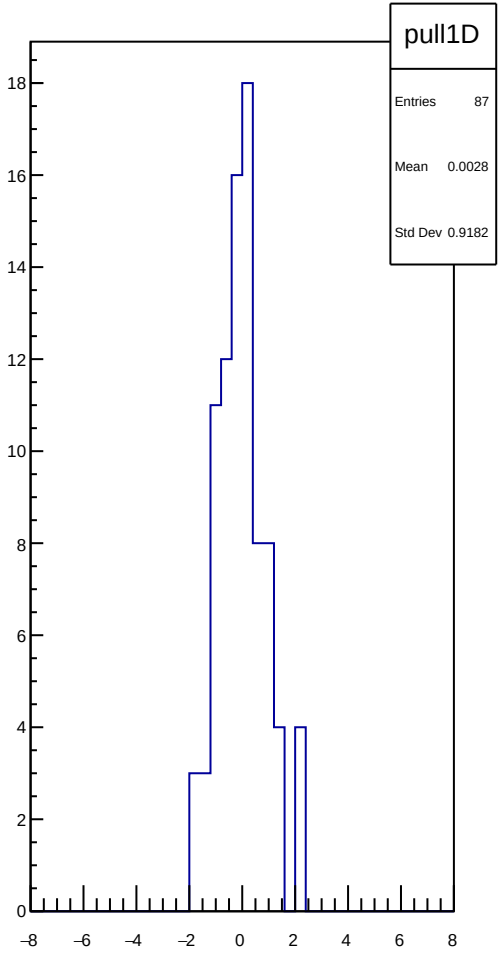

asym_sam8_correction_rms vs run
χ² / ndf 5522 / 86
p0 319 ± 0.2481
380
360
340
320
300

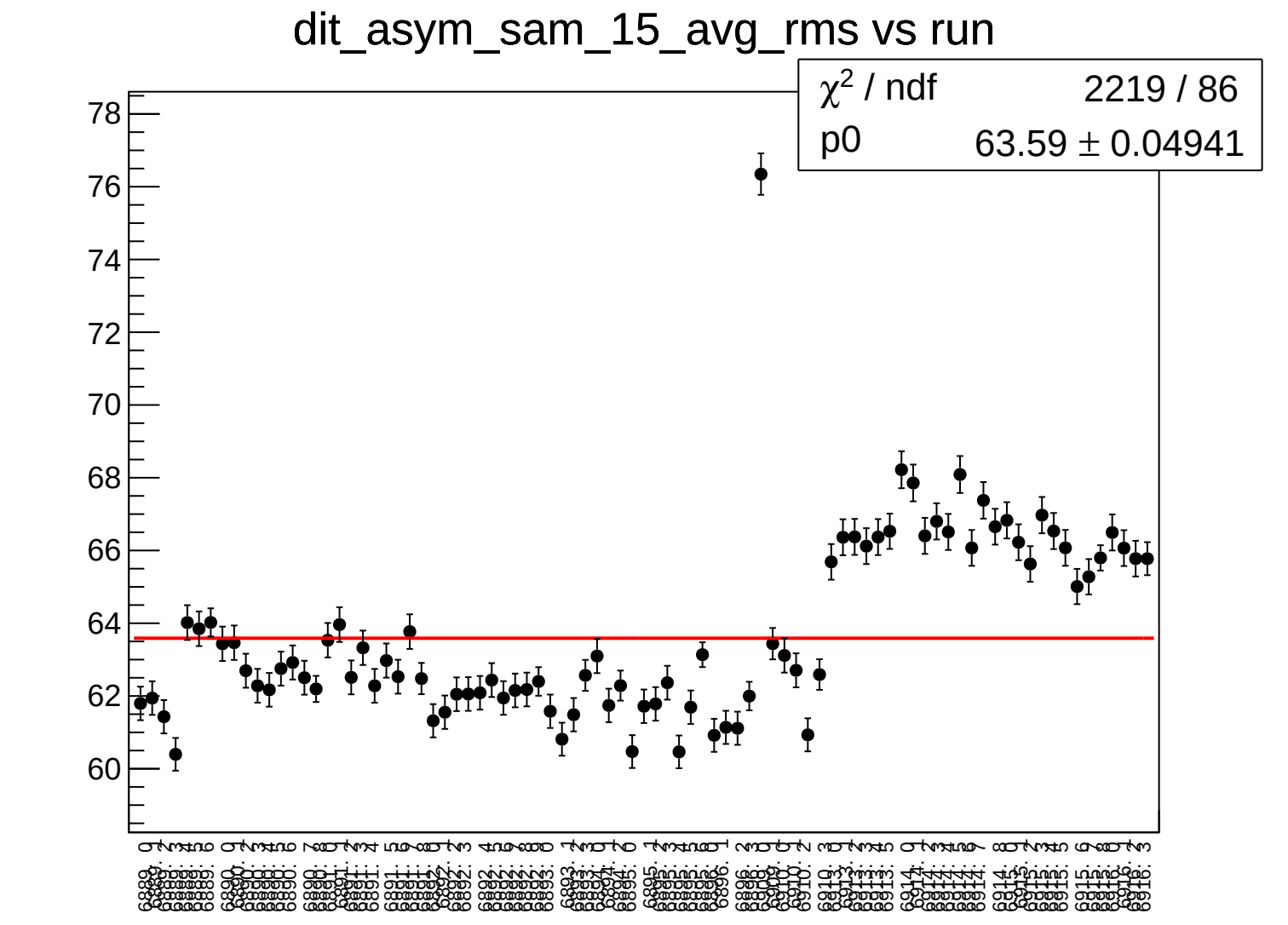

asym_sam8_mean vs run
χ² / ndf 69.74 / 86
p0 −402.4 ± 351.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −325.6
Std Dev 376.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

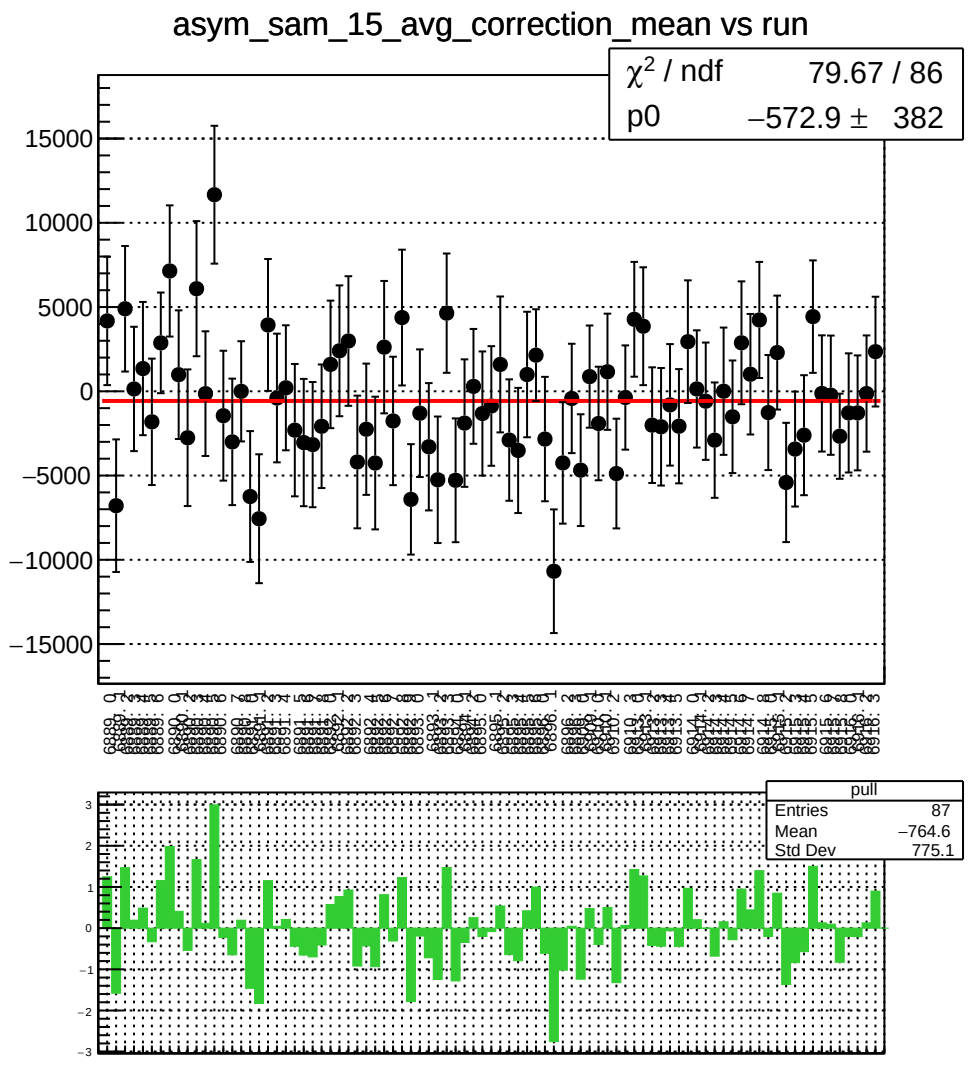

pull1D
Entries 87
Mean −0.008634
Std Dev 0.8953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

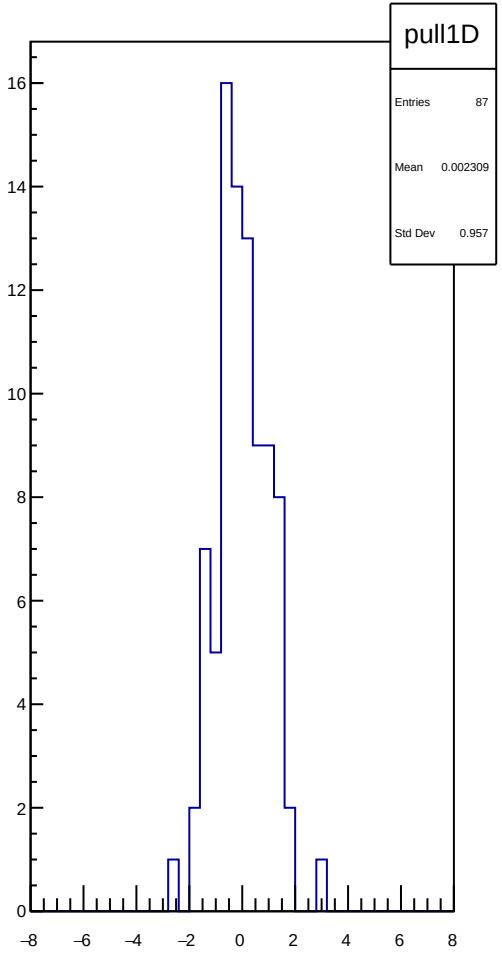

asym_sam8_rms vs run
χ² / ndf 6217 / 86
p0 319.5 ± 0.2485
380
360
340
320
300
280

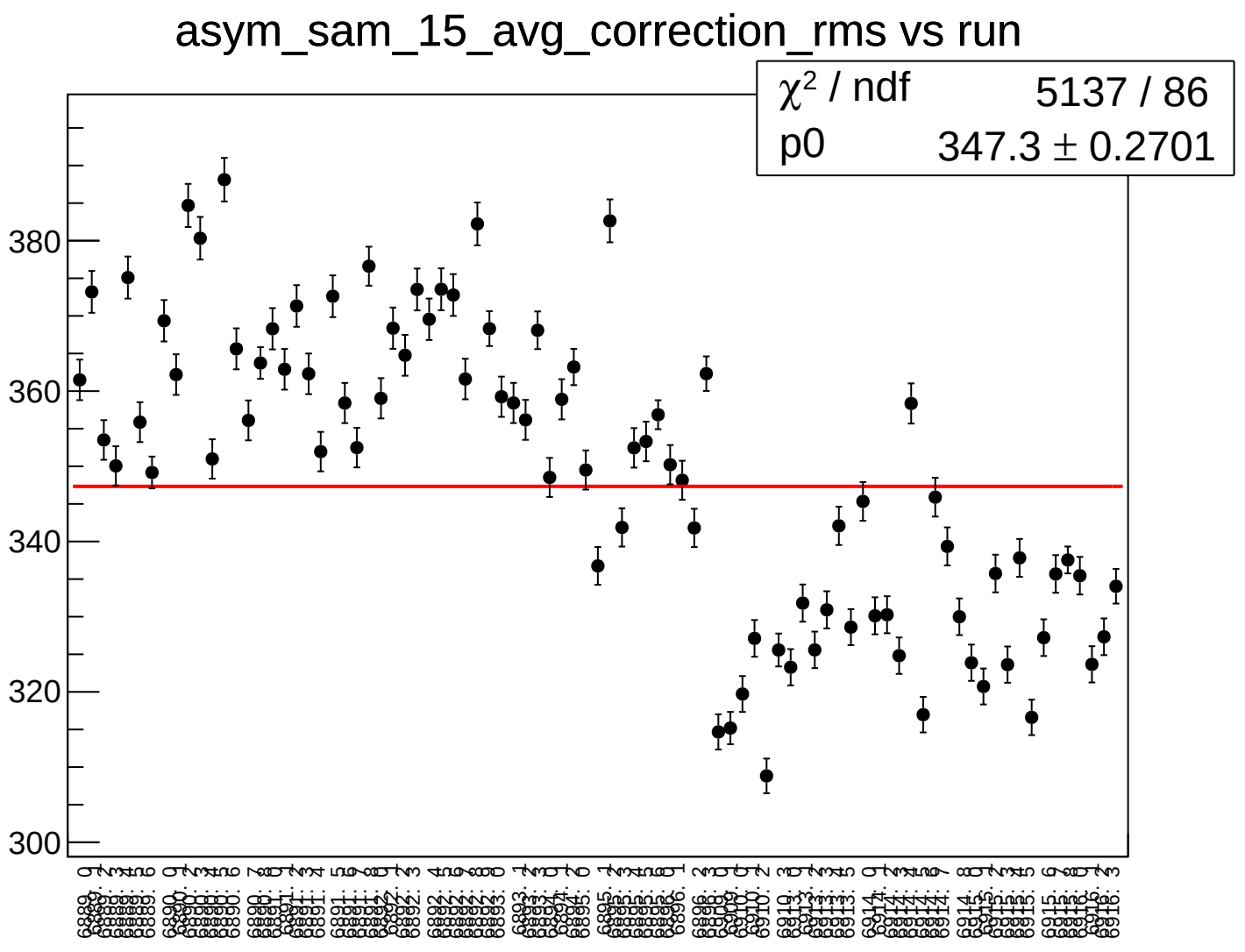

dit_asym_sam_15_avg_mean vs run
χ² / ndf 73.35 / 86
p0 −70.06 ± 69.87
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 236.2
Std Dev 174.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

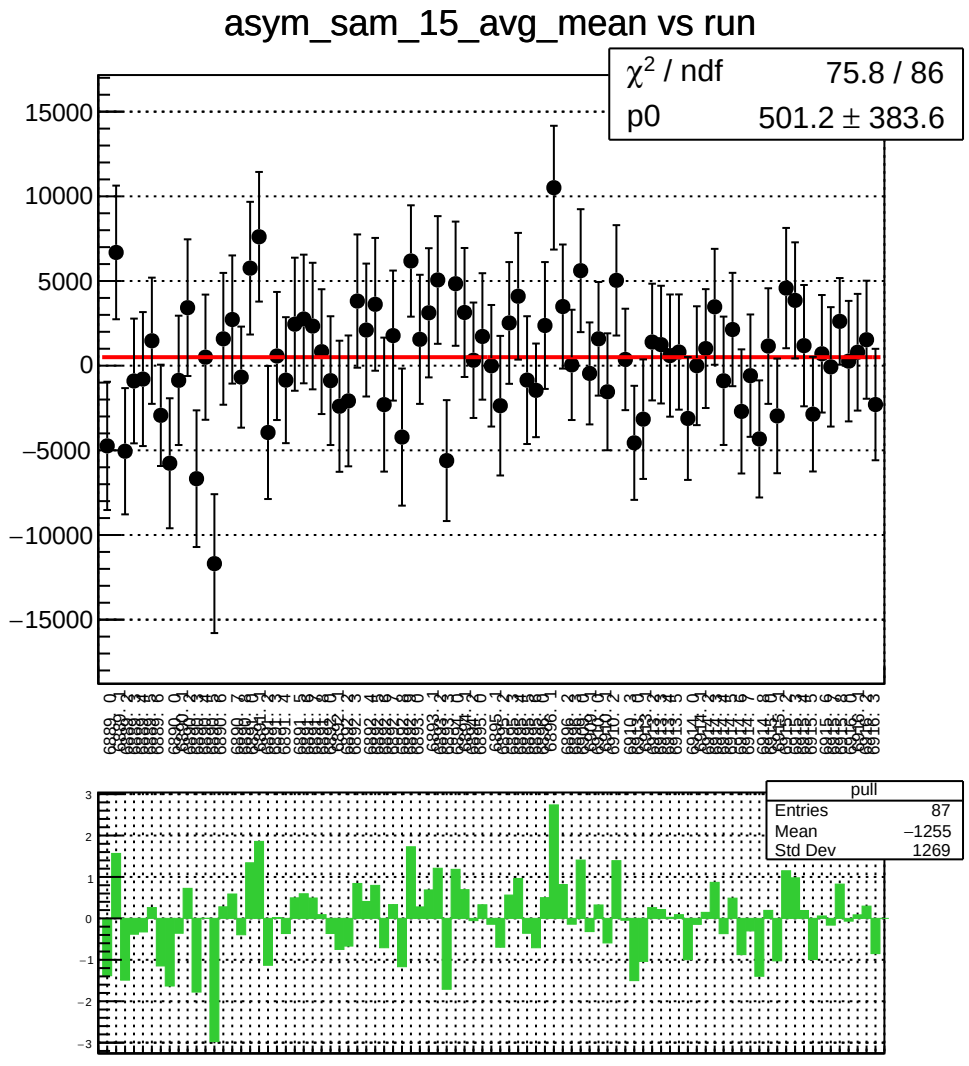

pull1D
Entries 87
Mean 0.0028
Std Dev 0.9182
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

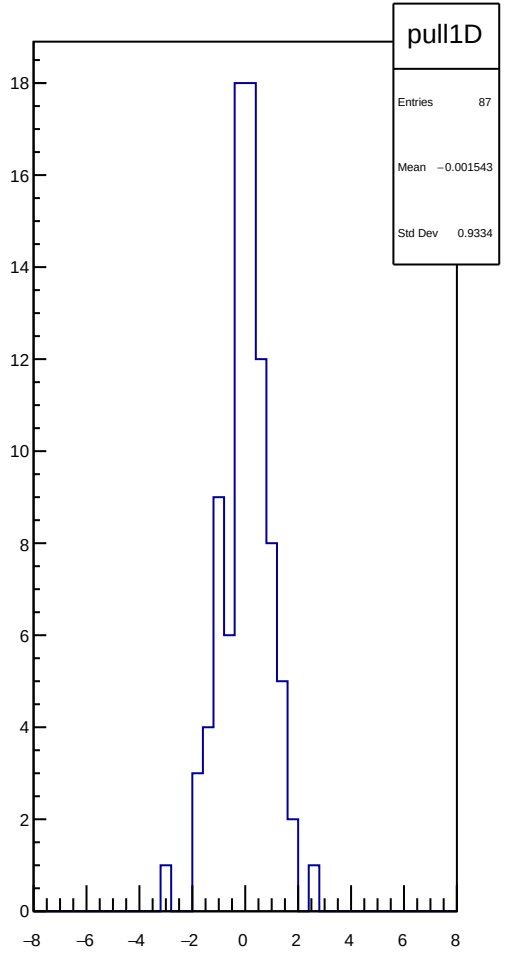

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2219 / 86
p0 63.59 ± 0.04941
78
76
74
72
70
68
66
64
62
60

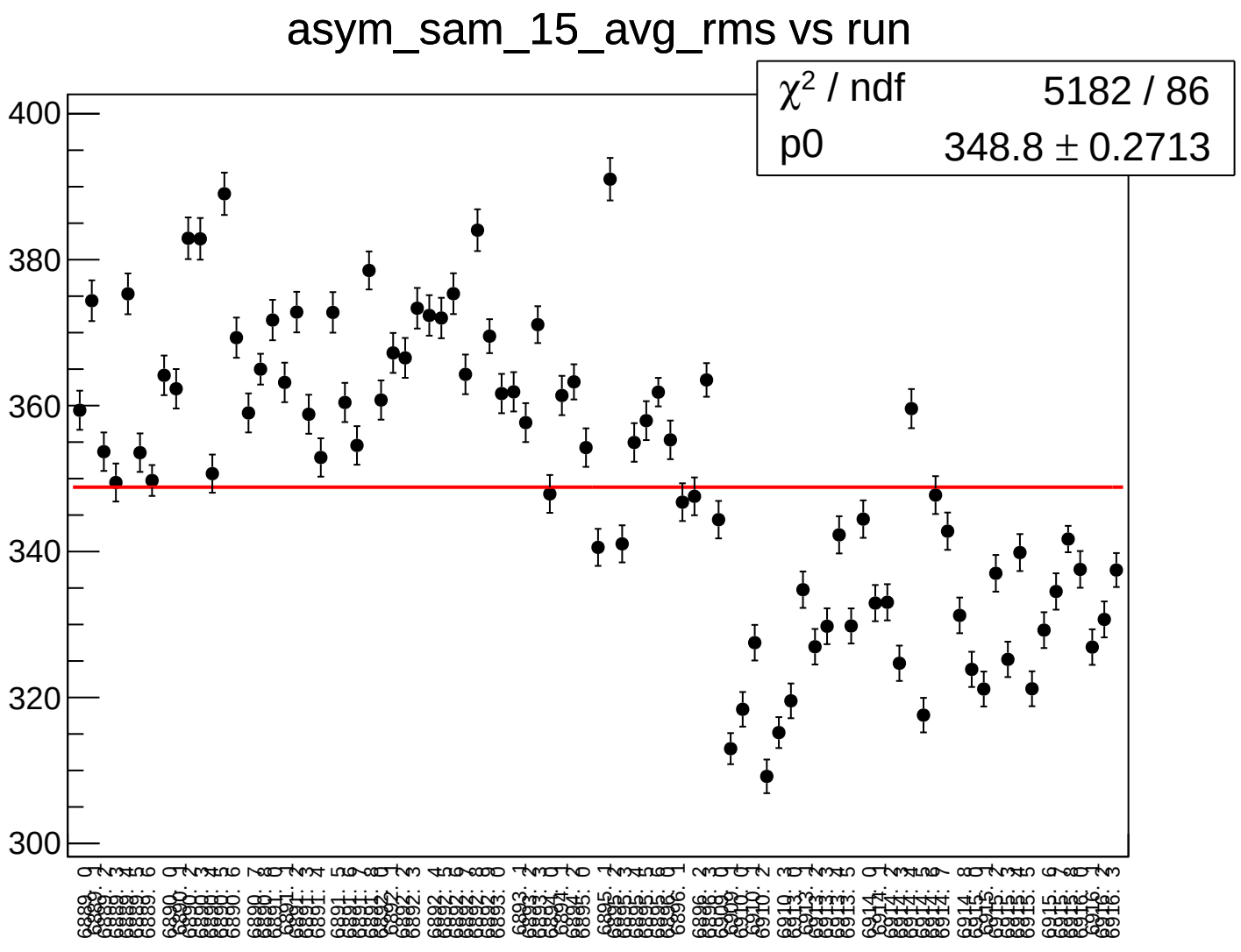

asym_sam_15_avg_correction_mean vs run
χ² / ndf 79.67 / 86
p0 −572.9 ± 382
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −764.6
Std Dev 775.1
3
2
1
0
−1
−2
−3

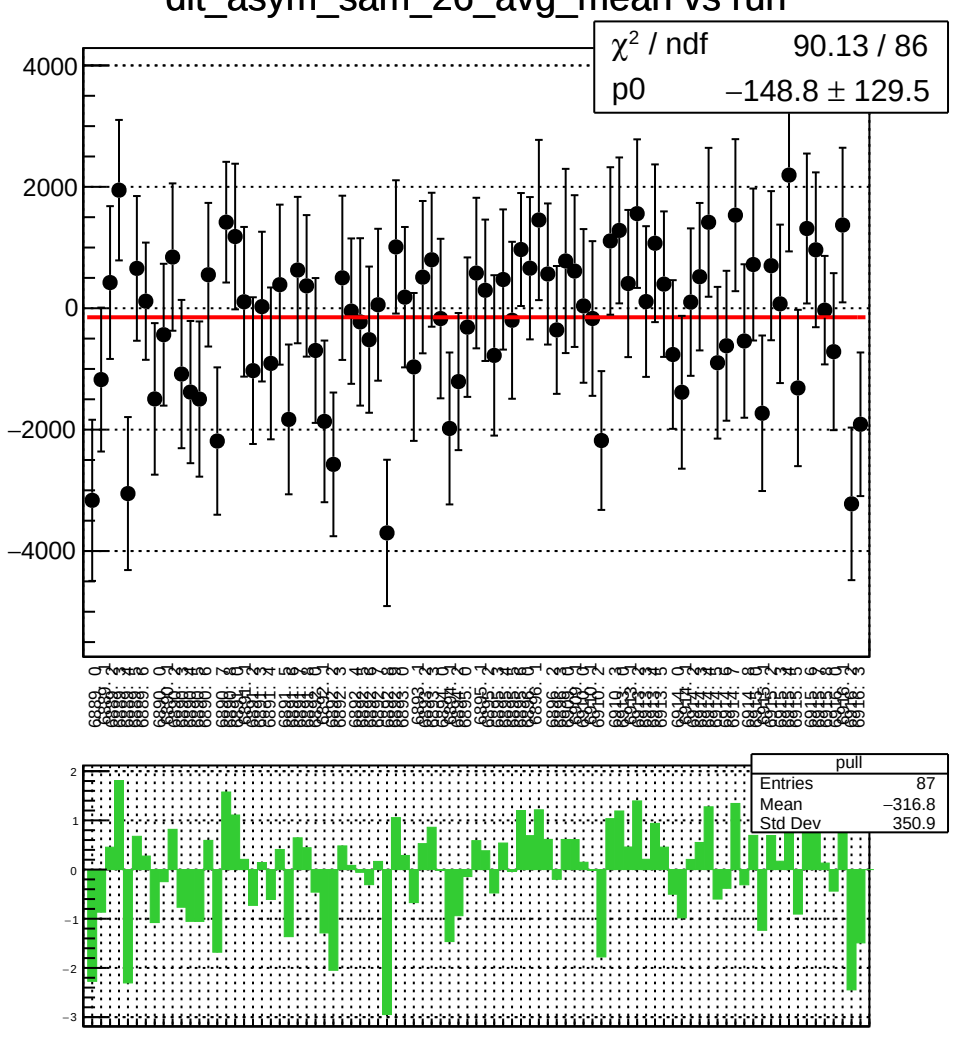

pull1D
Entries 87
Mean 0.002309
Std Dev 0.957
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

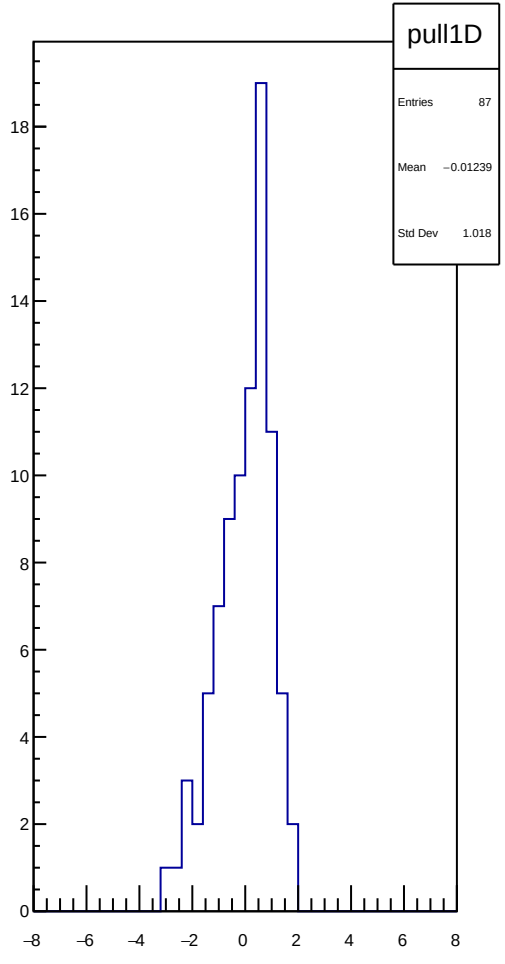

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5137 / 86
p0 347.3 ± 0.2701
380
360
340
320
300

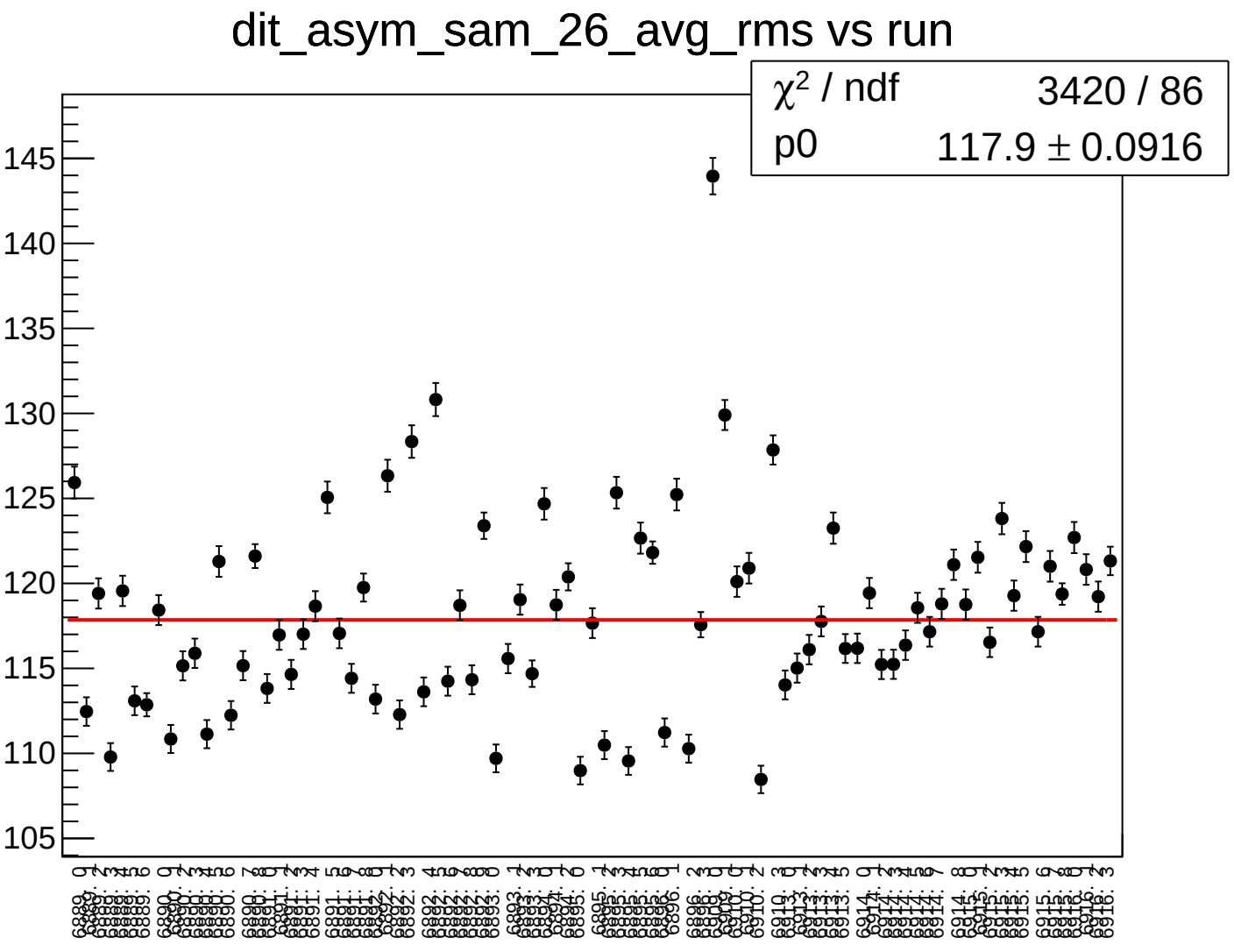

asym_sam_15_avg_mean vs run
χ² / ndf 75.8 / 86
p0 501.2 ± 383.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −1255
Std Dev 1269
3
2
1
0
−1
−2
−3

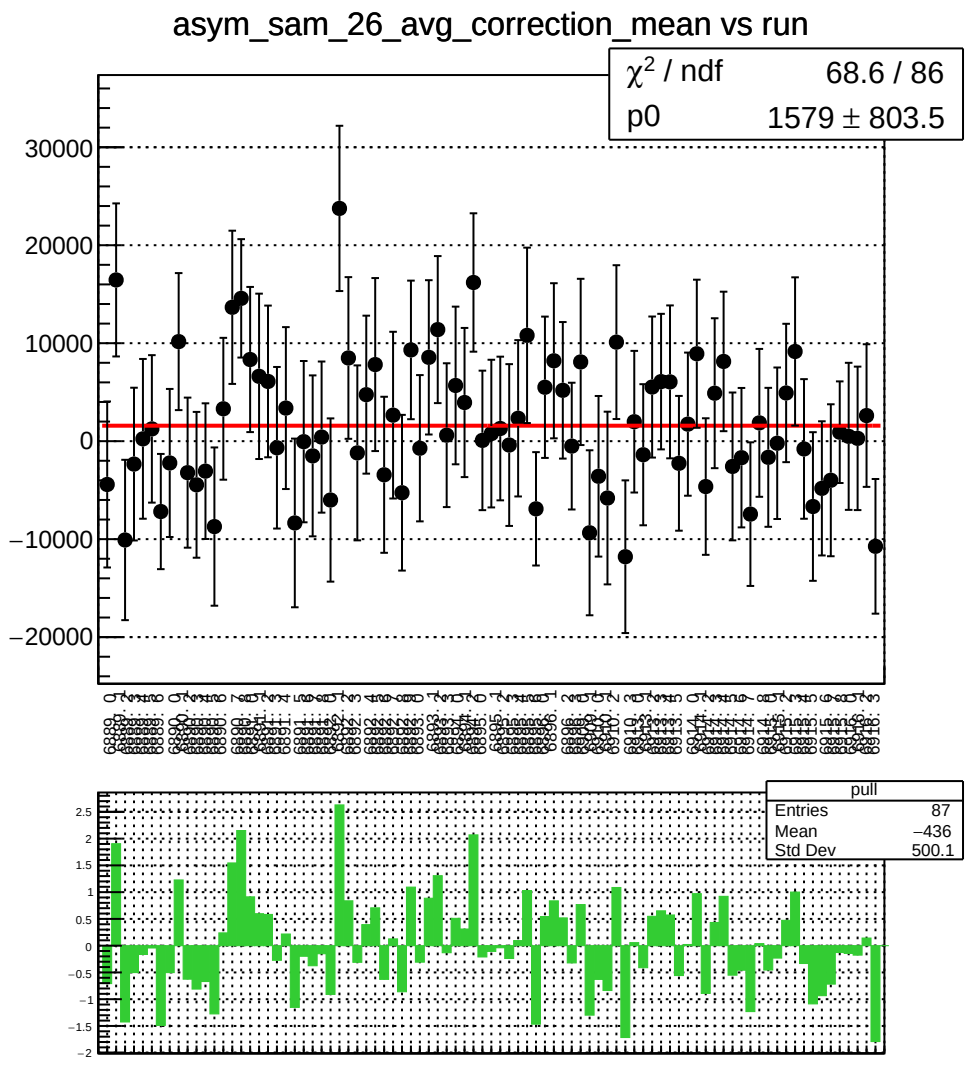

pull1D
Entries 87
Mean −0.001543
Std Dev 0.9334
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

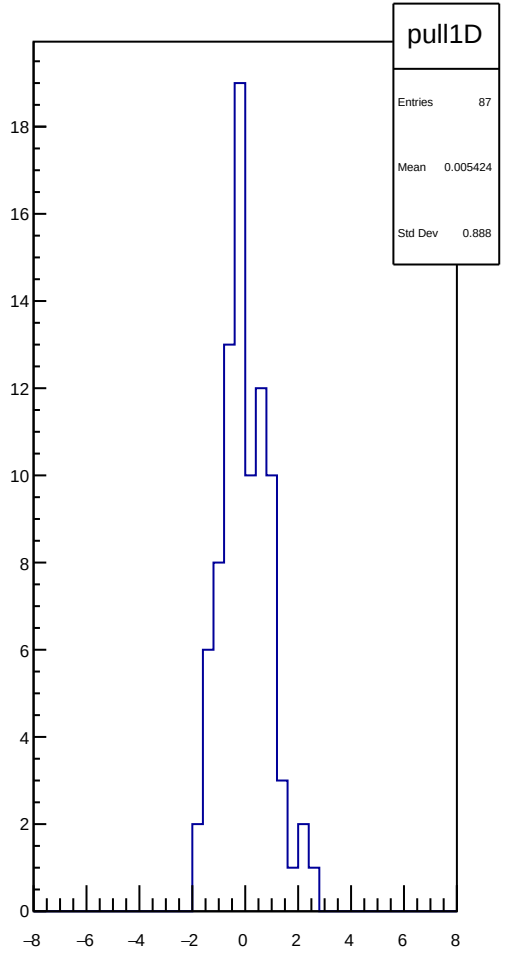

asym_sam_15_avg_rms vs run
χ² / ndf 5182 / 86
p0 348.8 ± 0.2713
400
380
360
340
320
300

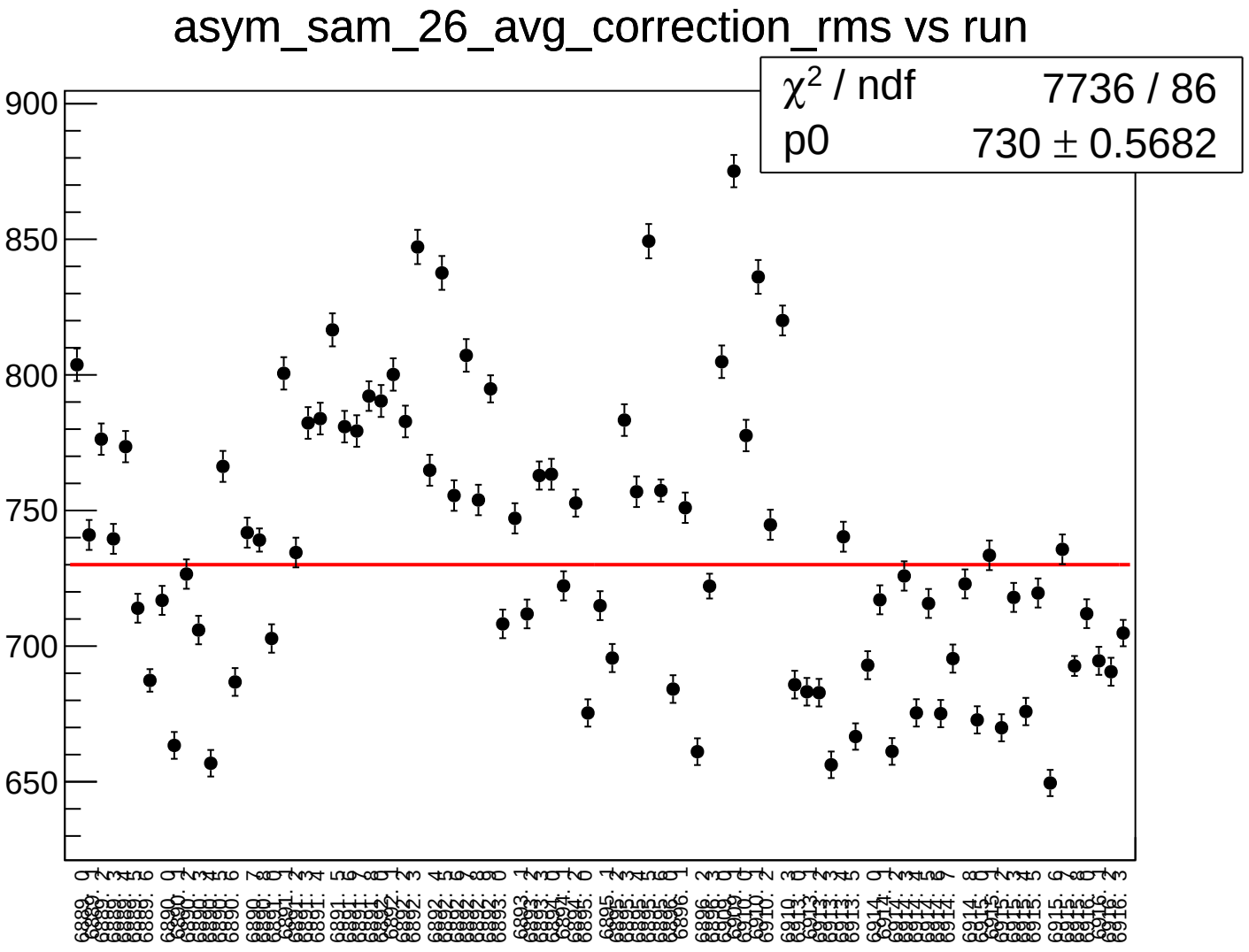

dit_asym_sam_26_avg_mean vs run
χ² / ndf 90.13 / 86
p0 −148.8 ± 129.5
4000
2000
0
−2000
−4000
pull
Entries 87
Mean −316.8
Std Dev 350.9
2
1
0
−1
−2
−3

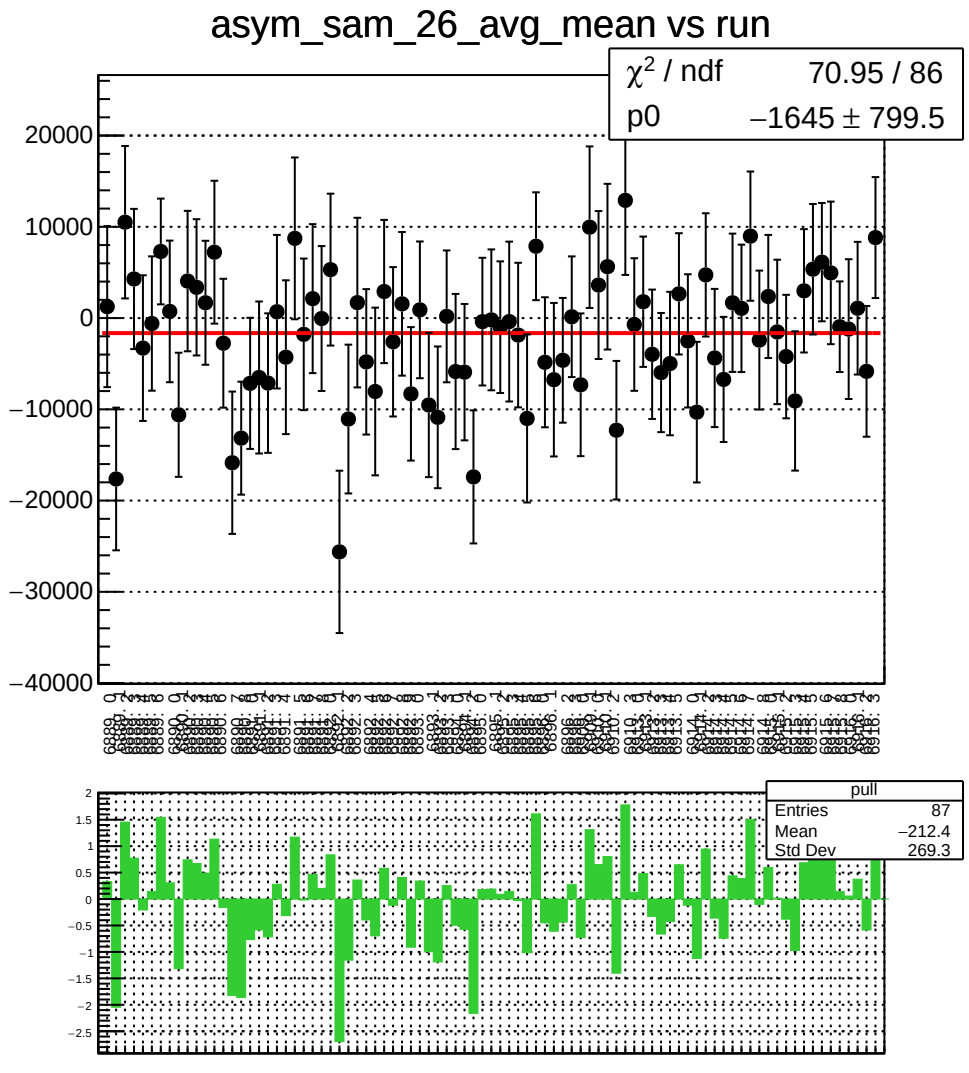

pull1D
Entries 87
Mean −0.01239
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

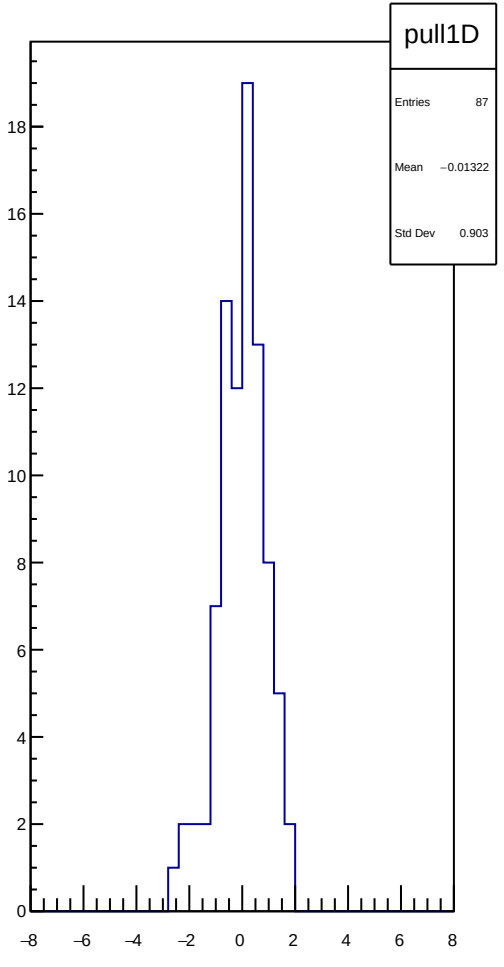

dit_asym_sam_26_avg_rms vs run
χ² / ndf 3420 / 86
p0 117.9 ± 0.0916
145
140
135
130
125
120
115
110
105

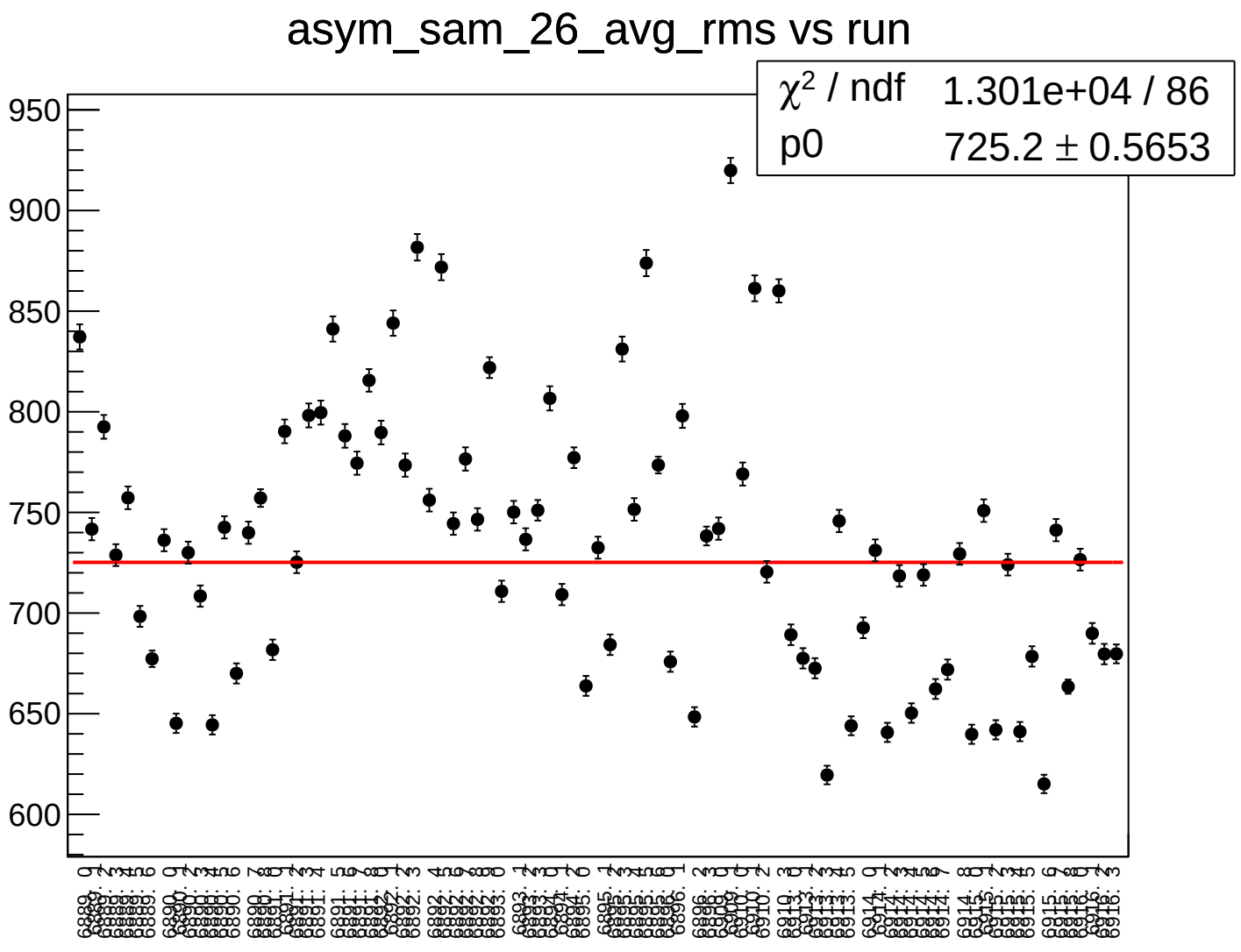

asym_sam_26_avg_correction_mean vs run
χ² / ndf 68.6 / 86
p0 1579 ± 803.5
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −436
Std Dev 500.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

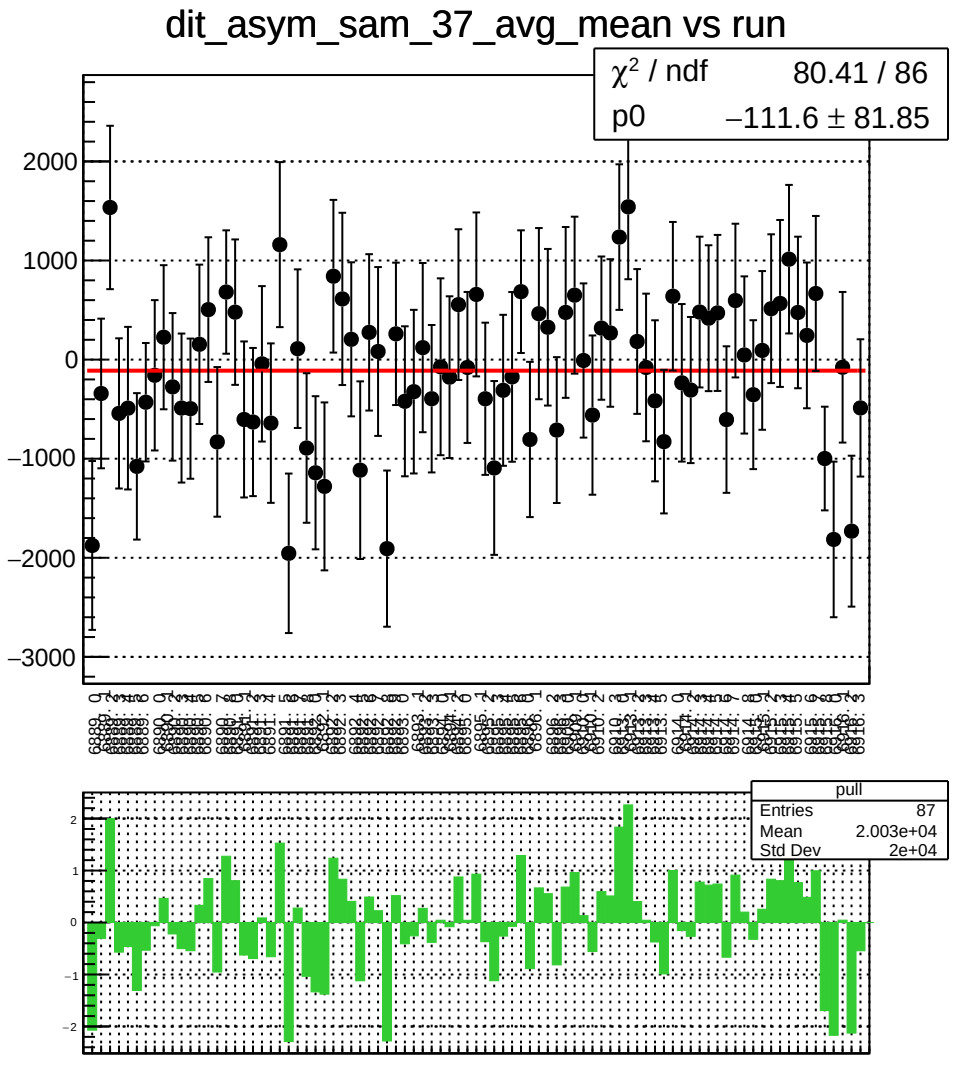

pull1D
Entries 87
Mean 0.005424
Std Dev 0.888
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

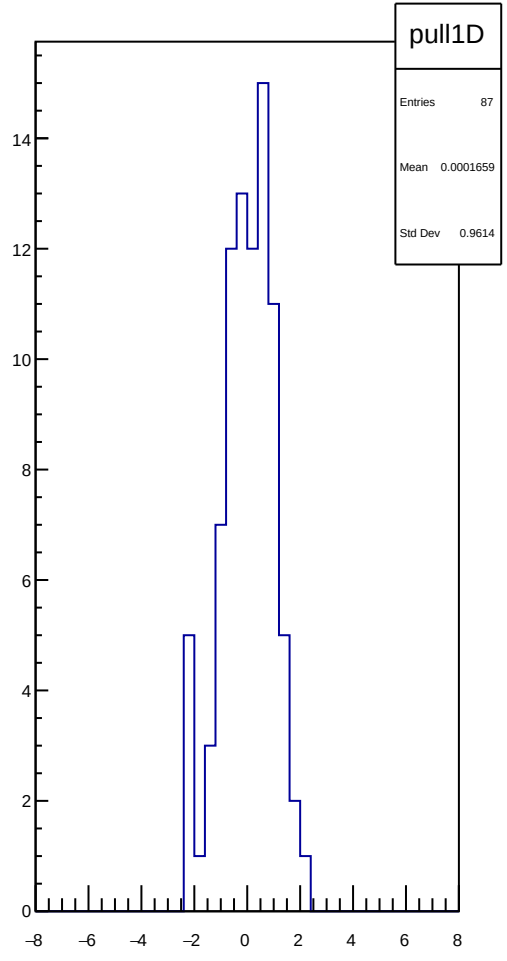

asym_sam_26_avg_correction_rms vs run
χ² / ndf 7736 / 86
p0 730 ± 0.5682
900
850
800
750
700
650

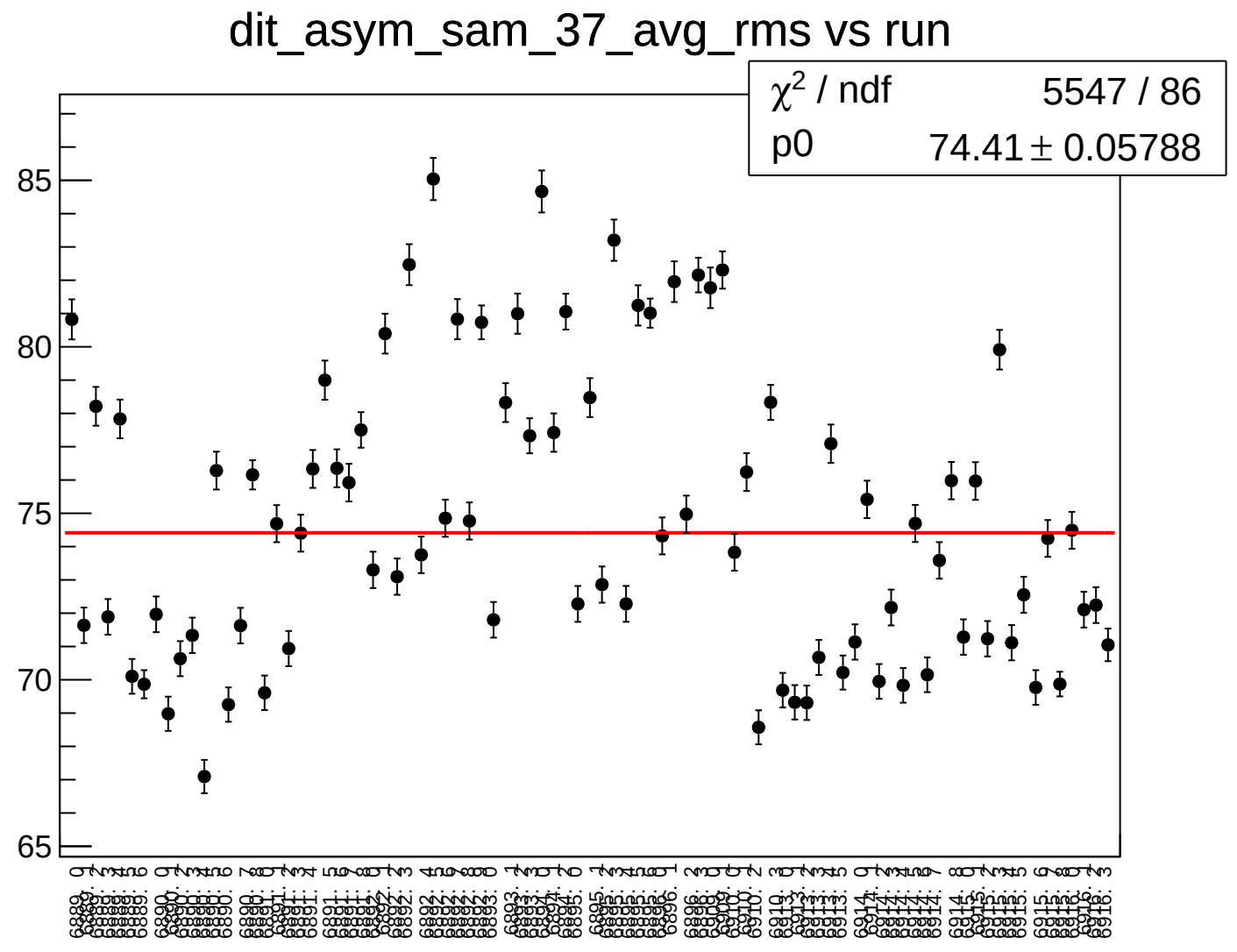

asym_sam_26_avg_mean vs run
χ^2 / ndf 70.95 / 86
p0 −1645 ± 799.5
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −212.4
Std Dev 269.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

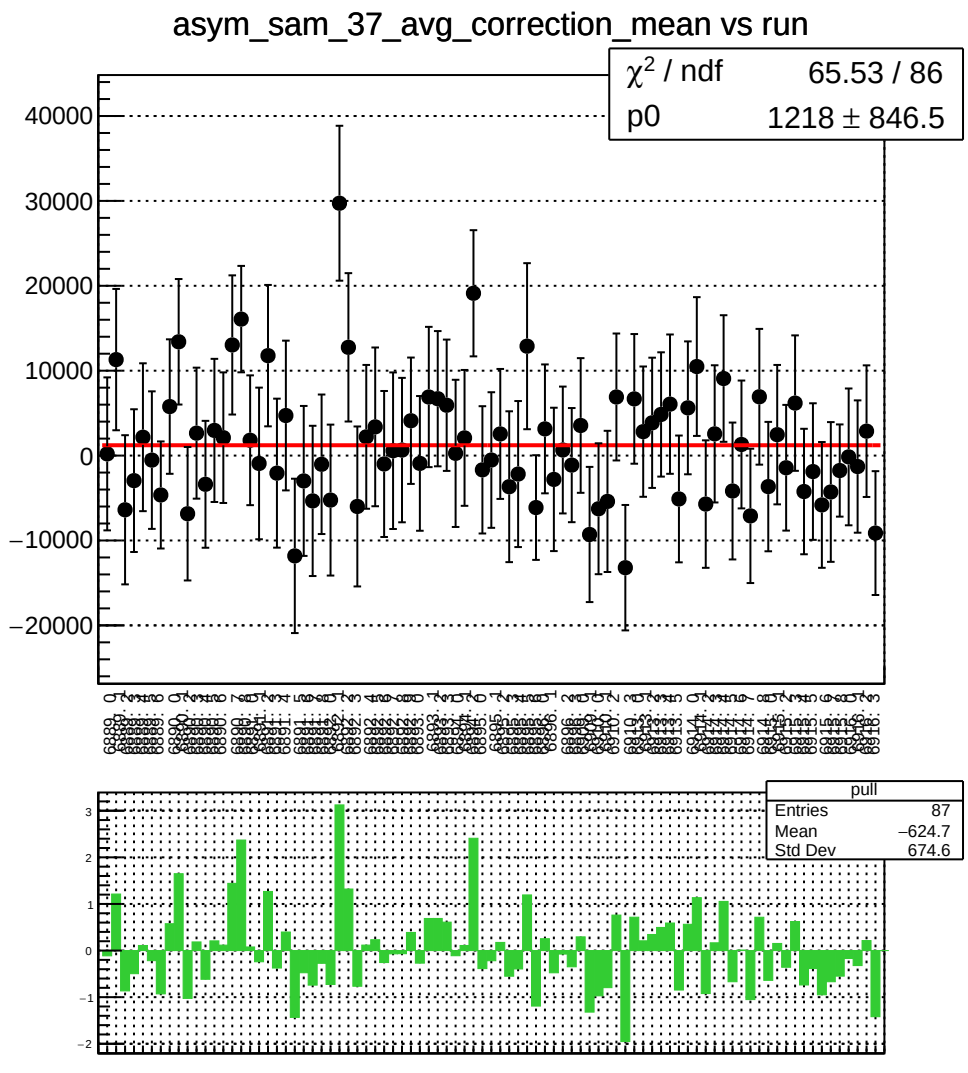

pull1D
Entries 87
Mean −0.01322
Std Dev 0.903
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

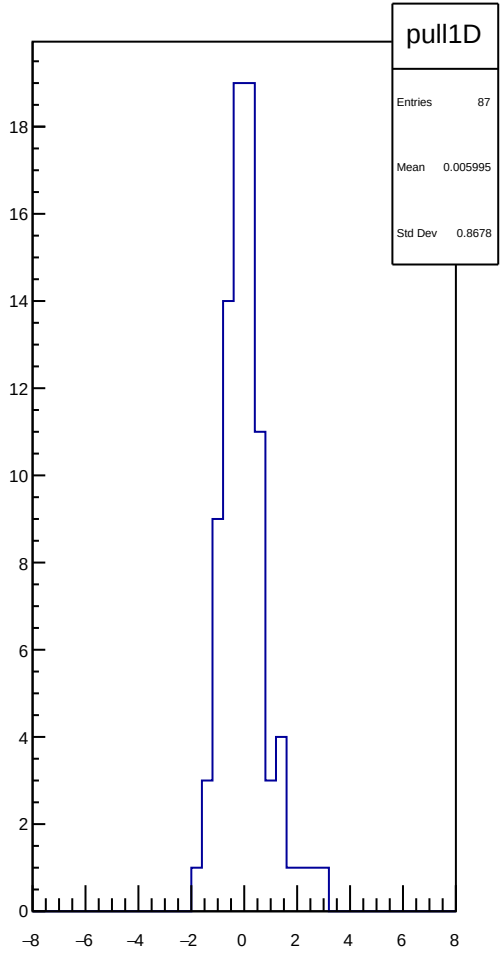

asym_sam_26_avg_rms vs run
χ² / ndf 1.301e+04 / 86
p0 725.2 ± 0.5653
950
900
850
800
750
700
650
600

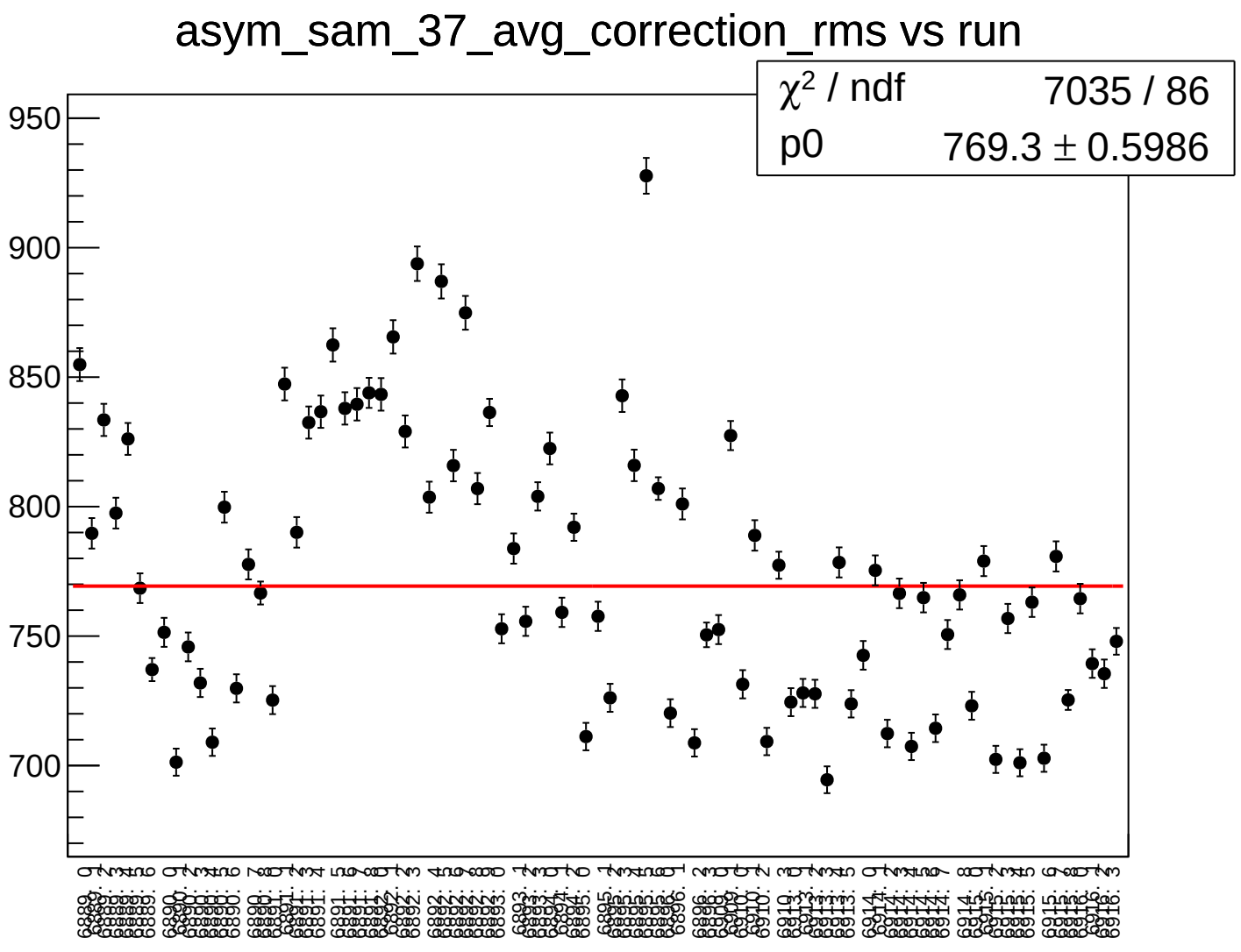

dit_asym_sam_37_avg_mean vs run
χ² / ndf 80.41 / 86
p0 −111.6 ± 81.85
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 2.003e+04
Std Dev 2e+04
2
1
0
−1
−2

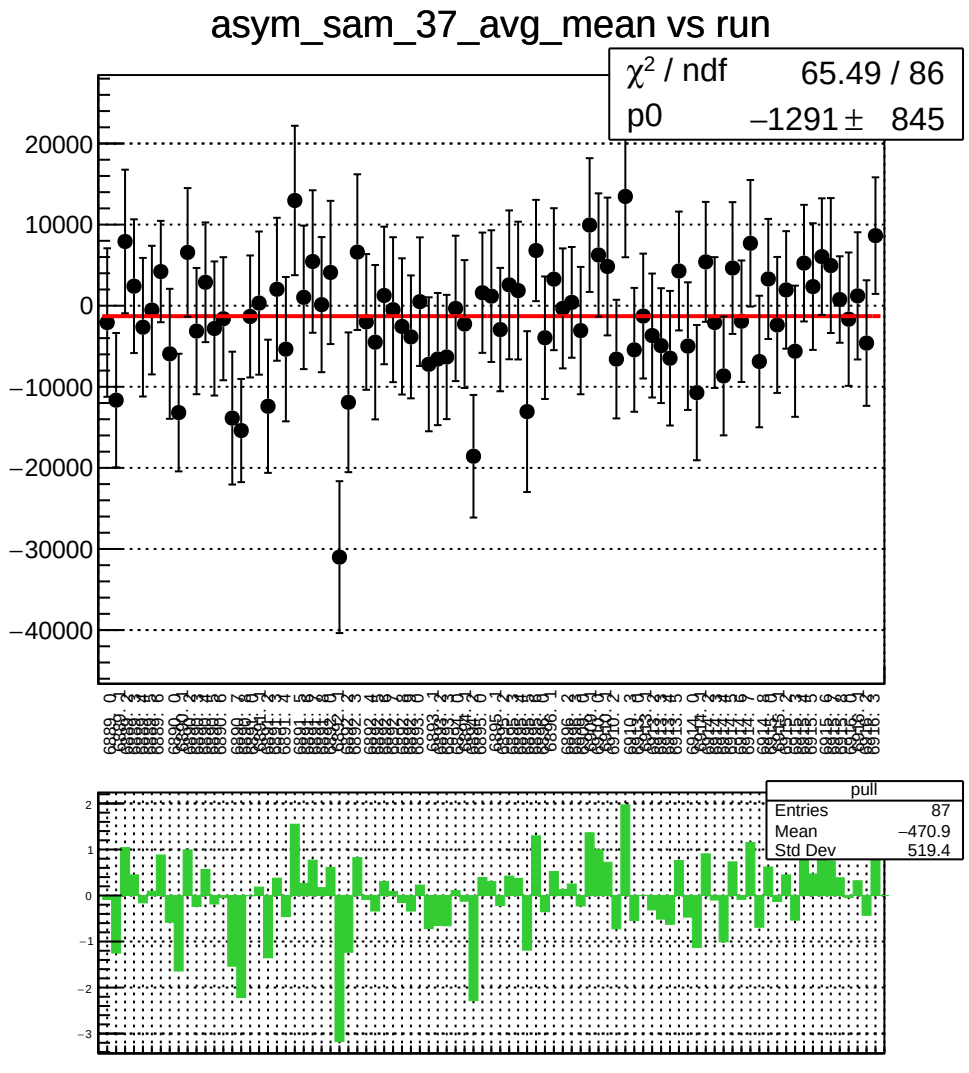

pull1D
Entries 87
Mean 0.0001659
Std Dev 0.9614
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

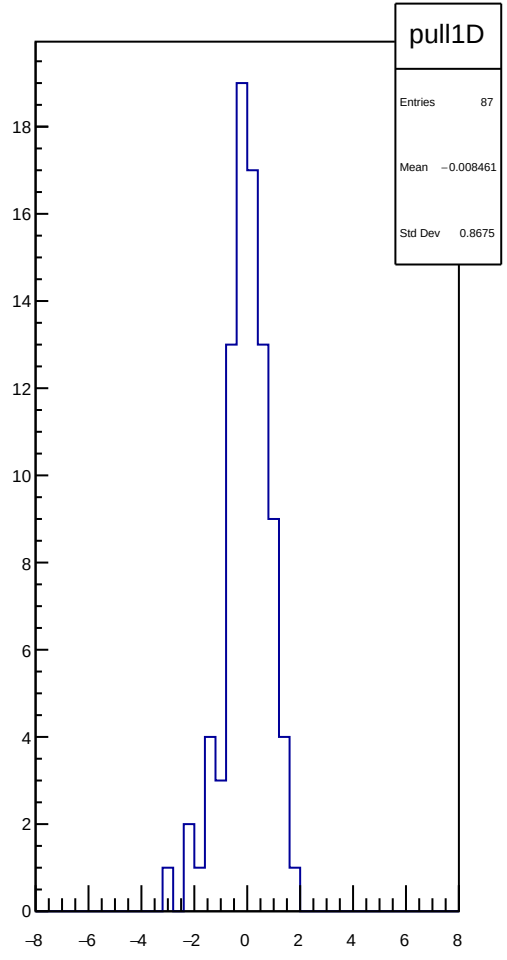

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5547 / 86
p0 74.41 ± 0.05788
85
80
75
70
65

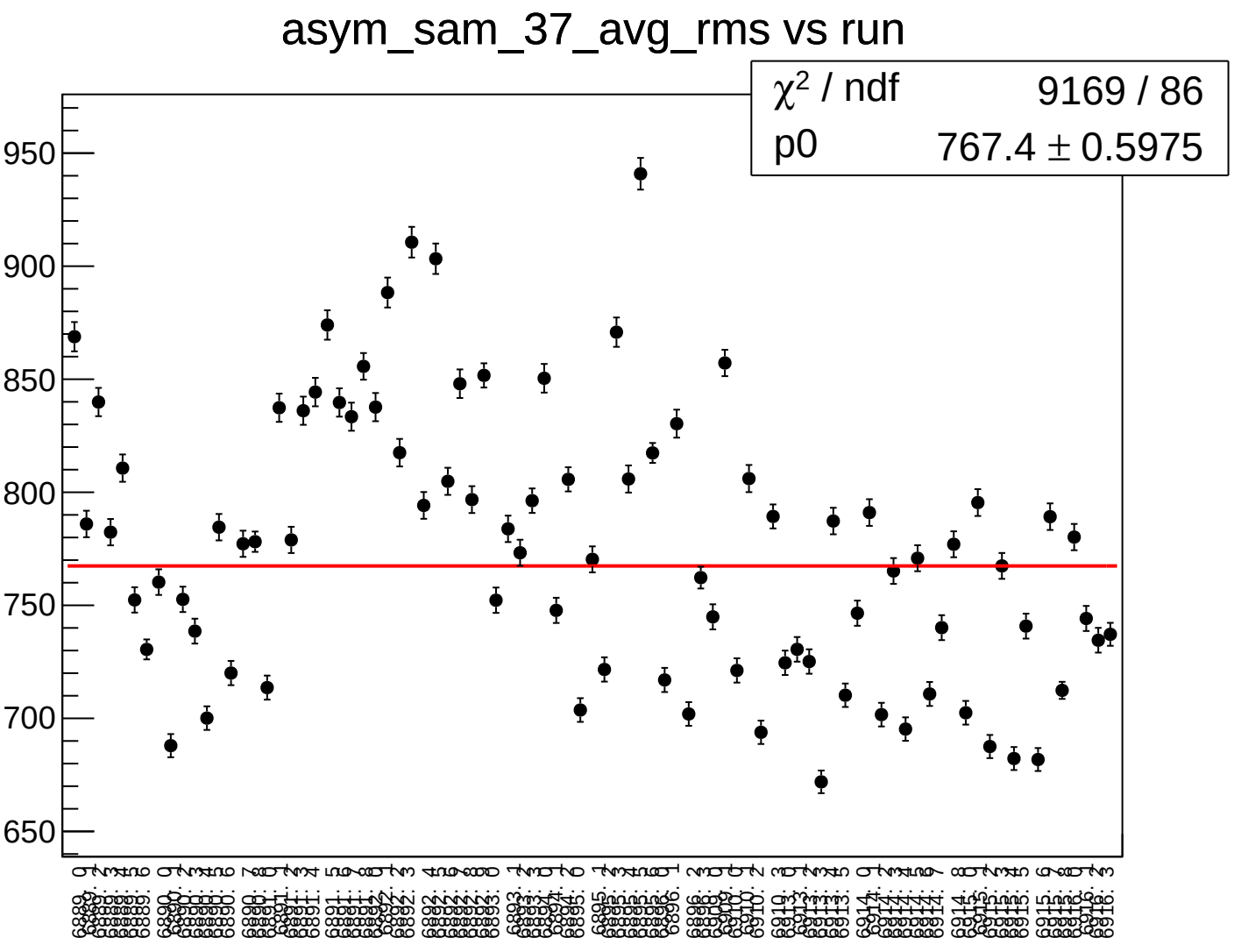

asym_sam_37_avg_correction_mean vs run
χ² / ndf 65.53 / 86
p0 1218 ± 846.5
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −624.7
Std Dev 674.6
3
2
1
0
−1
−2

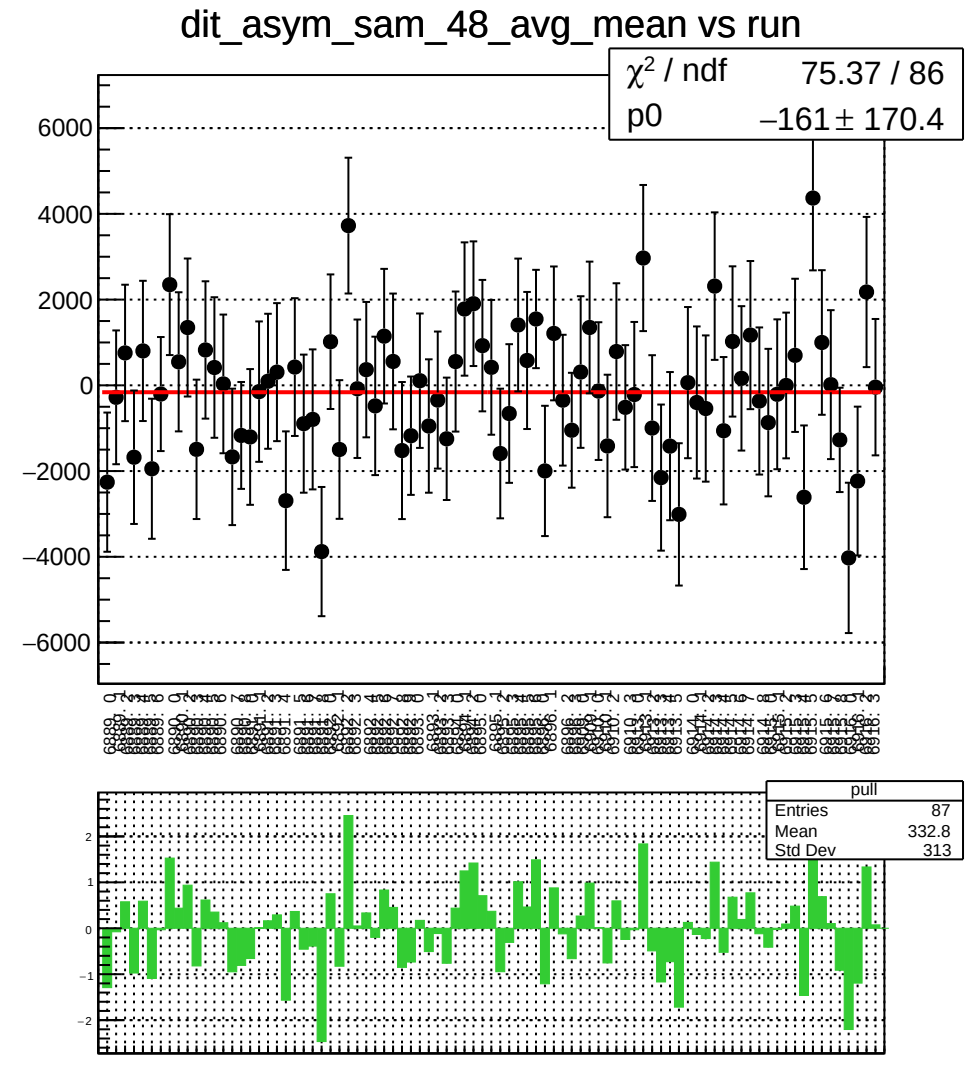

pull1D
Entries 87
Mean 0.005995
Std Dev 0.8678
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

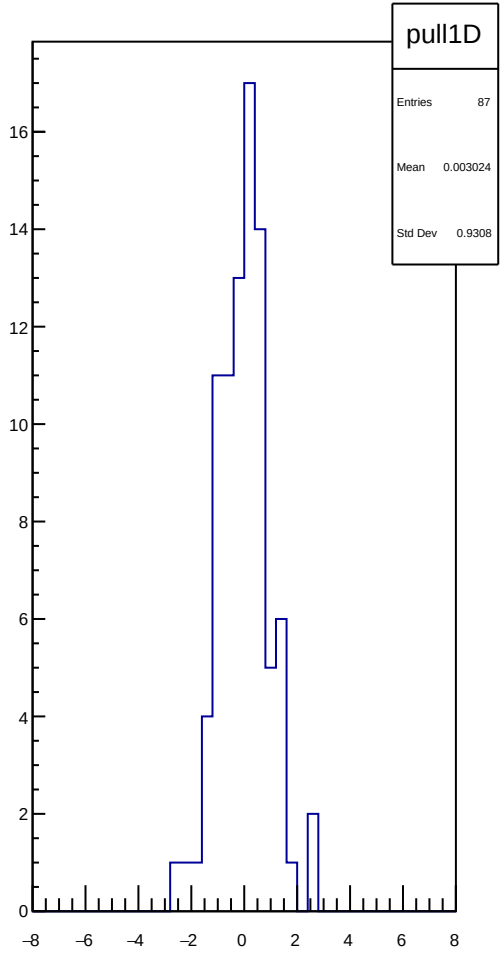

asym_sam_37_avg_correction_rms vs run
χ² / ndf 7035 / 86
p0 769.3 ± 0.5986
950
900
850
800
750
700

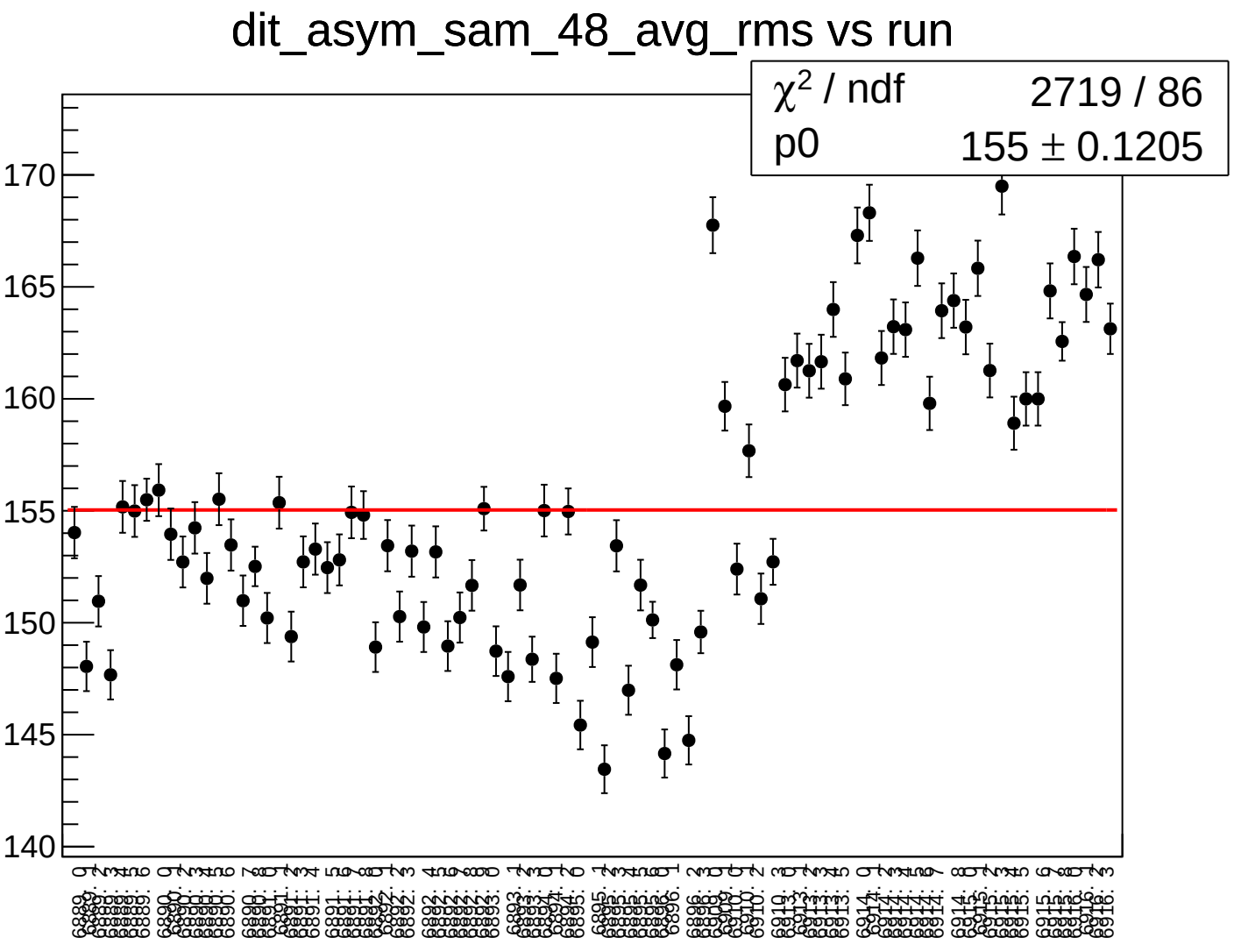

asym_sam_37_avg_mean vs run
χ² / ndf 65.49 / 86
p0 −1291 ± 845
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −470.9
Std Dev 519.4
2
1
0
−1
−2
−3

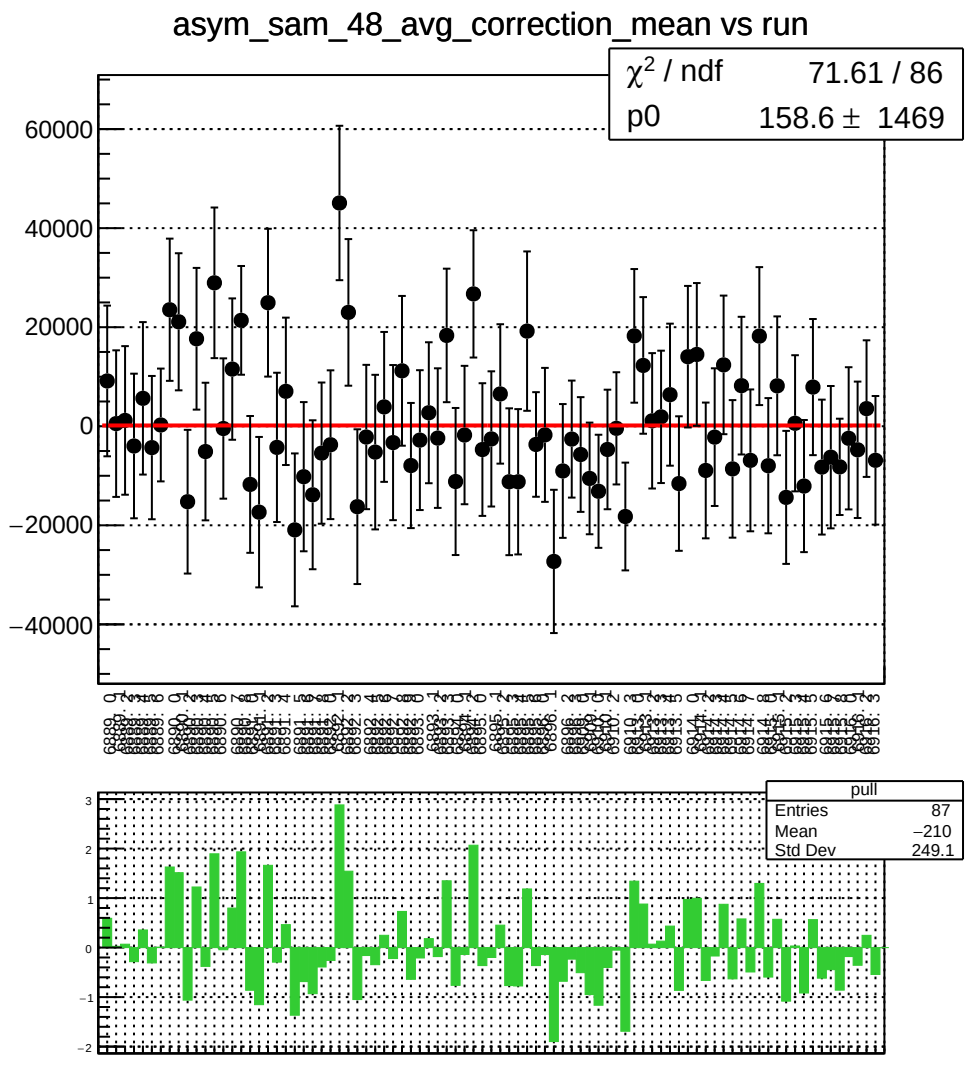

pull1D
Entries 87
Mean −0.008461
Std Dev 0.8675
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

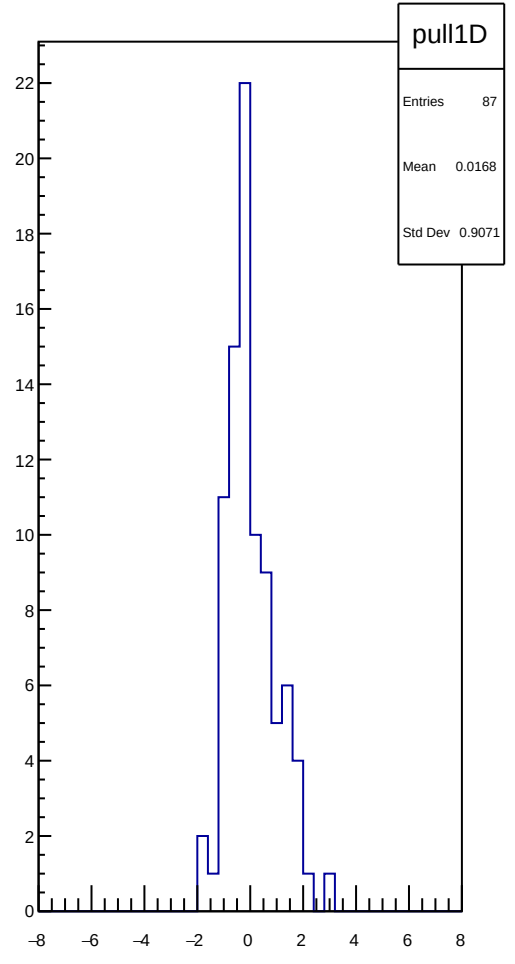

asym_sam_37_avg_rms vs run
χ^2 / ndf 9169 / 86
p0 767.4 ± 0.5975
950
900
850
800
750
700
650

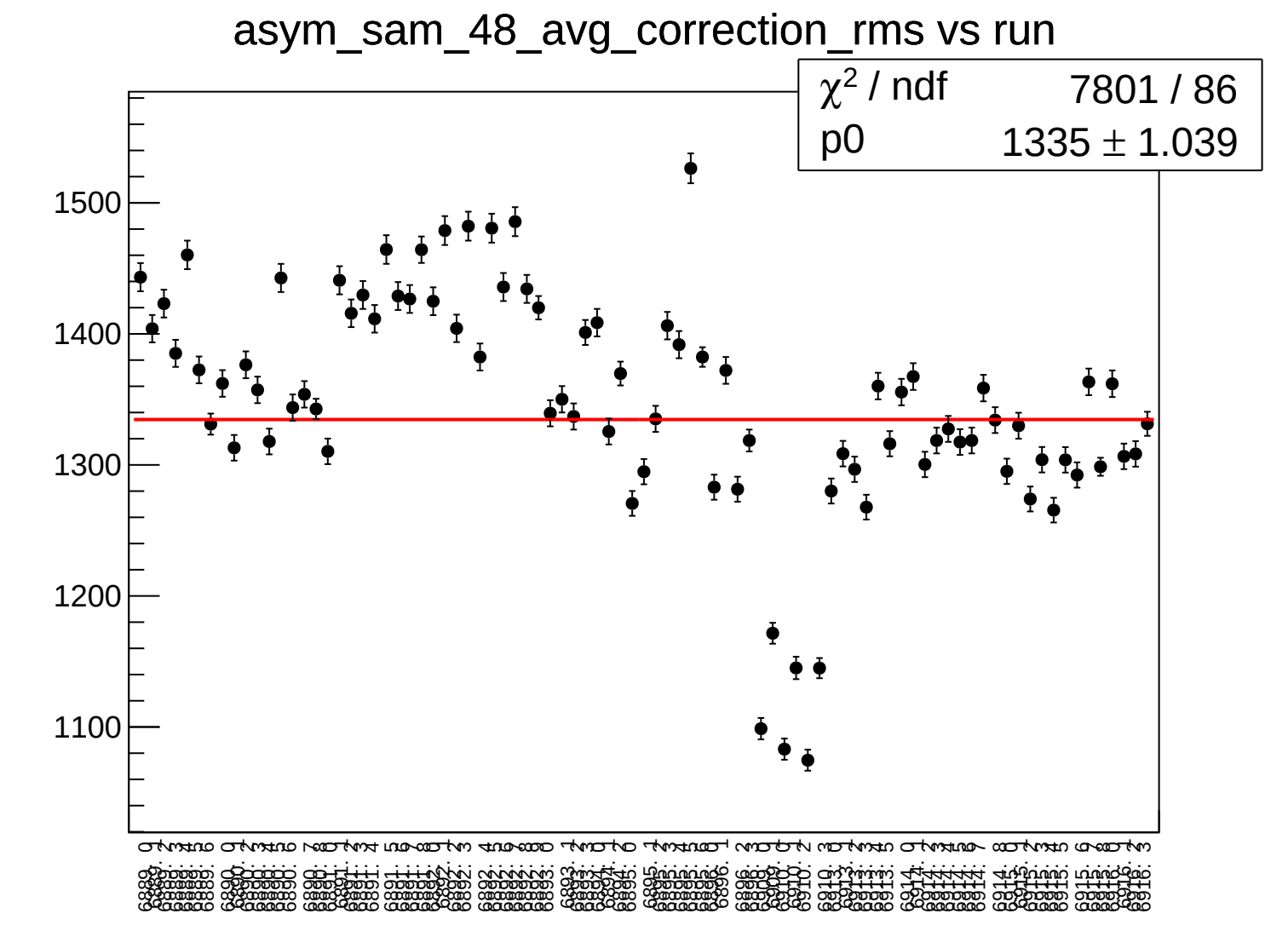

dit_asym_sam_48_avg_mean vs run
χ² / ndf 75.37 / 86
p0 −161 ± 170.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 332.8
Std Dev 313
2
1
0
−1
−2

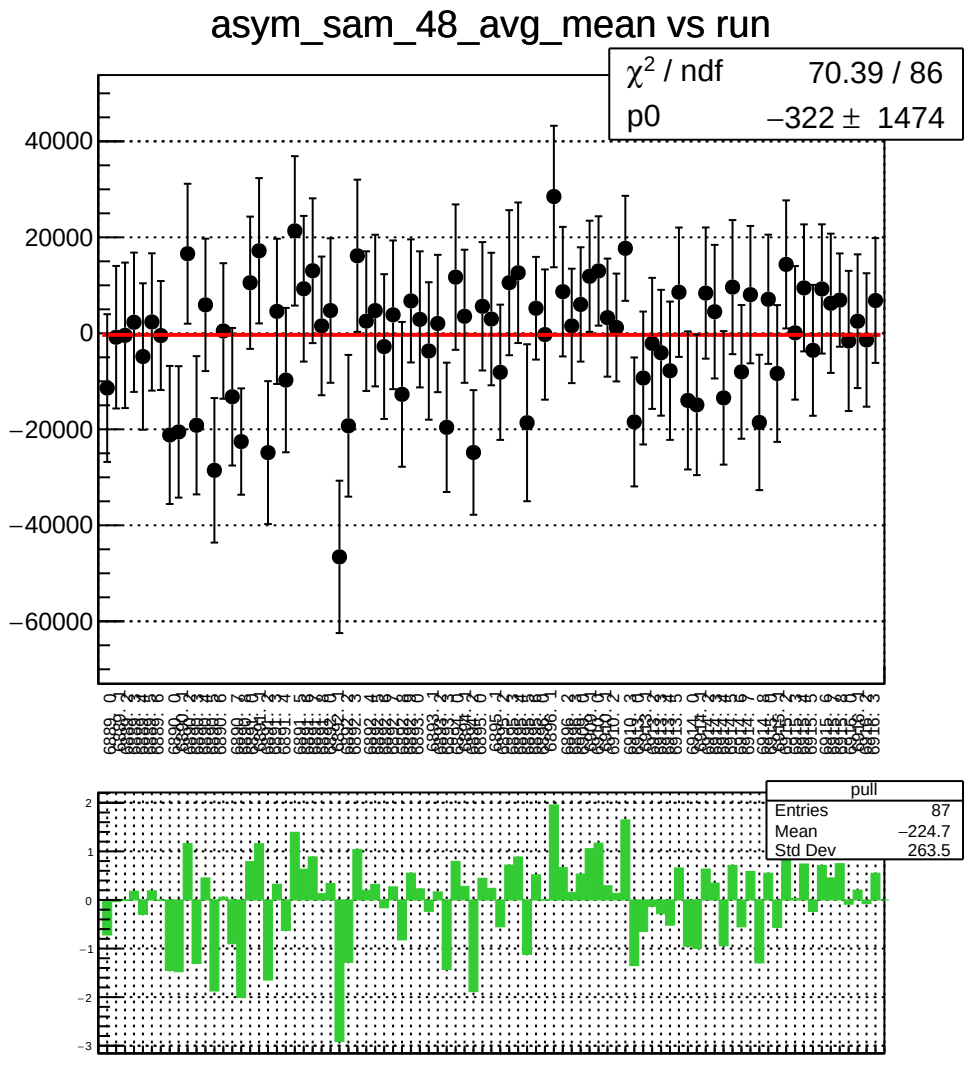

pull1D
Entries 87
Mean 0.003024
Std Dev 0.9308
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

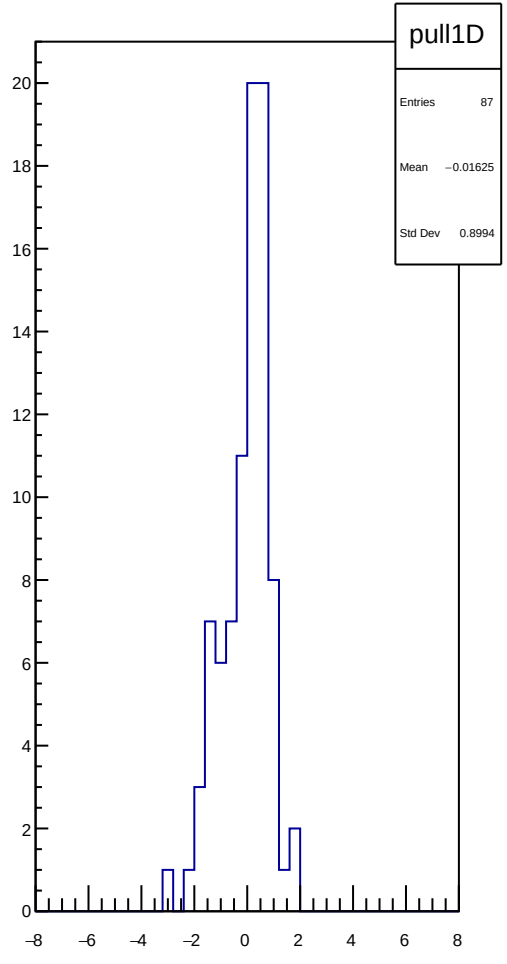

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 2719 / 86
p0 155 ± 0.1205
170
165
160
155
150
145
140

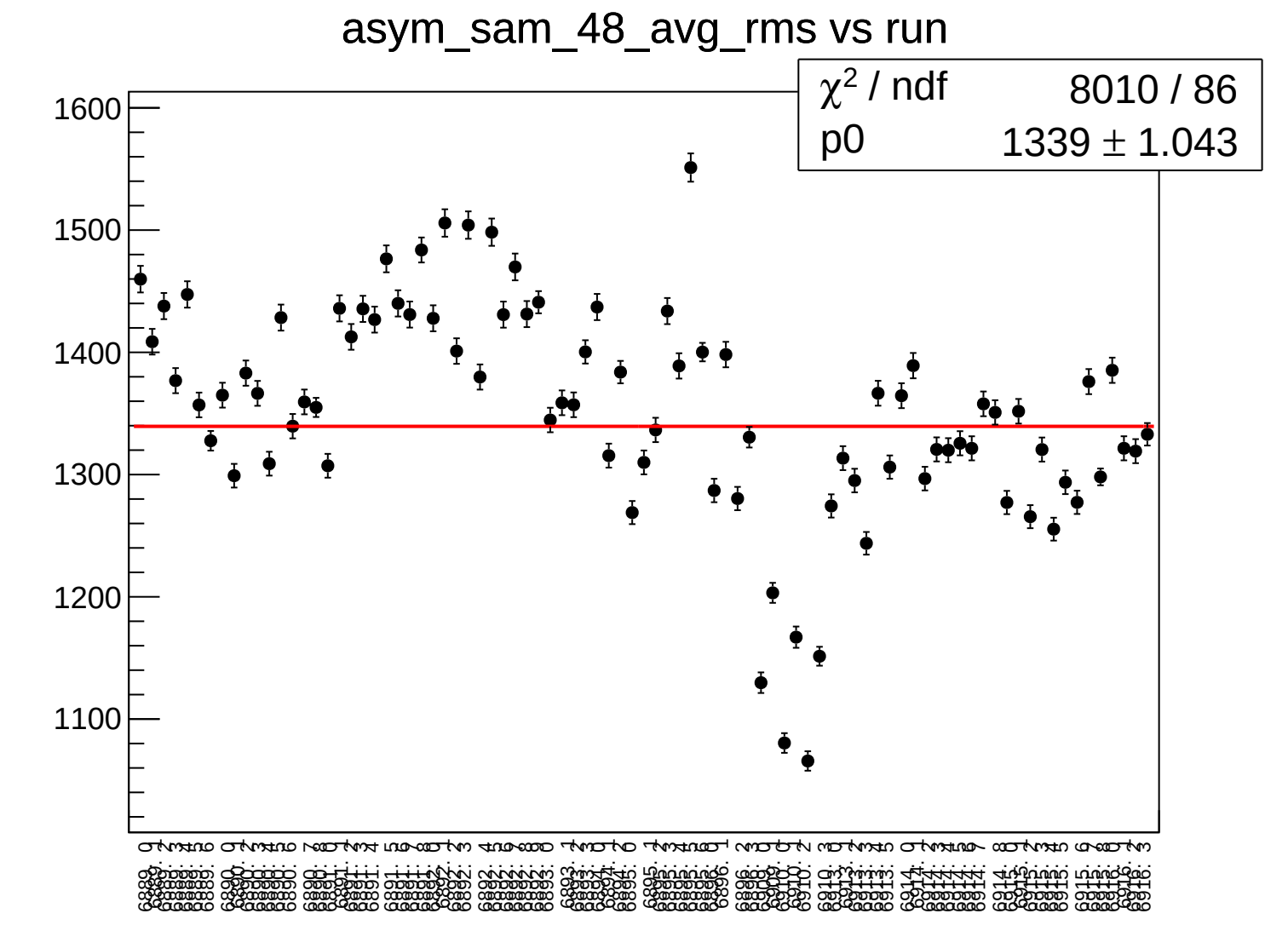

asym_sam_48_avg_correction_mean vs run
χ² / ndf 71.61 / 86
p0 158.6 ± 1469
60000
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −210
Std Dev 249.1
3
2
1
0
−1
−2

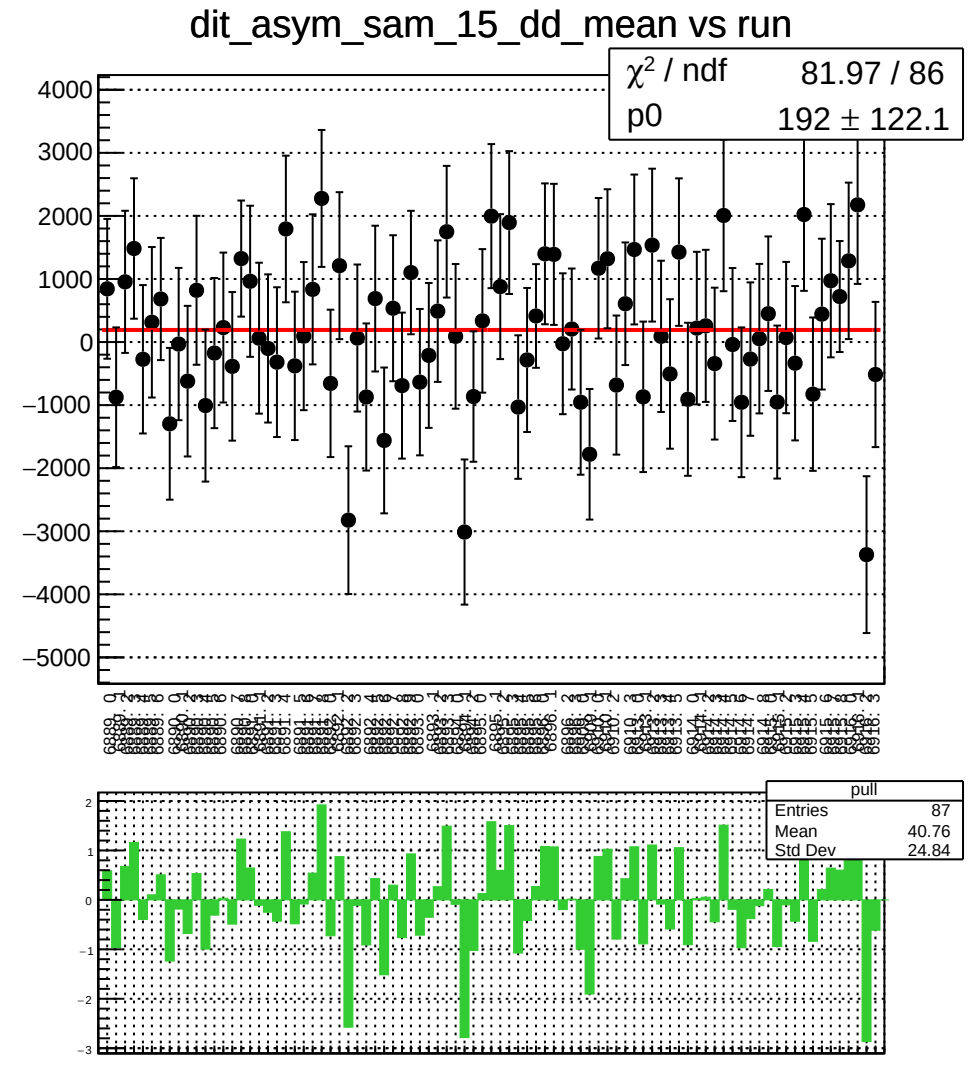

pull1D
Entries 87
Mean 0.0168
Std Dev 0.9071
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

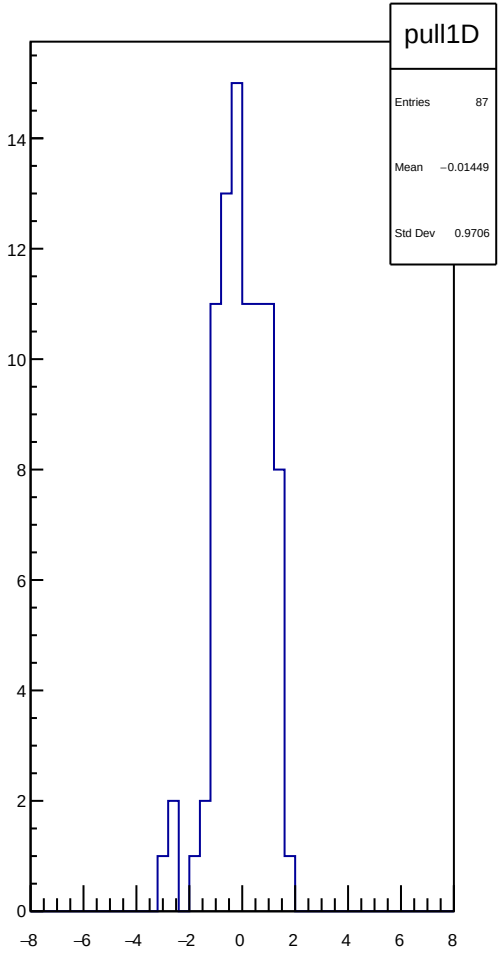

asym_sam_48_avg_correction_rms vs run
χ² / ndf 7801 / 86
p0 1335 ± 1.039
1500
1400
1300
1200
1100

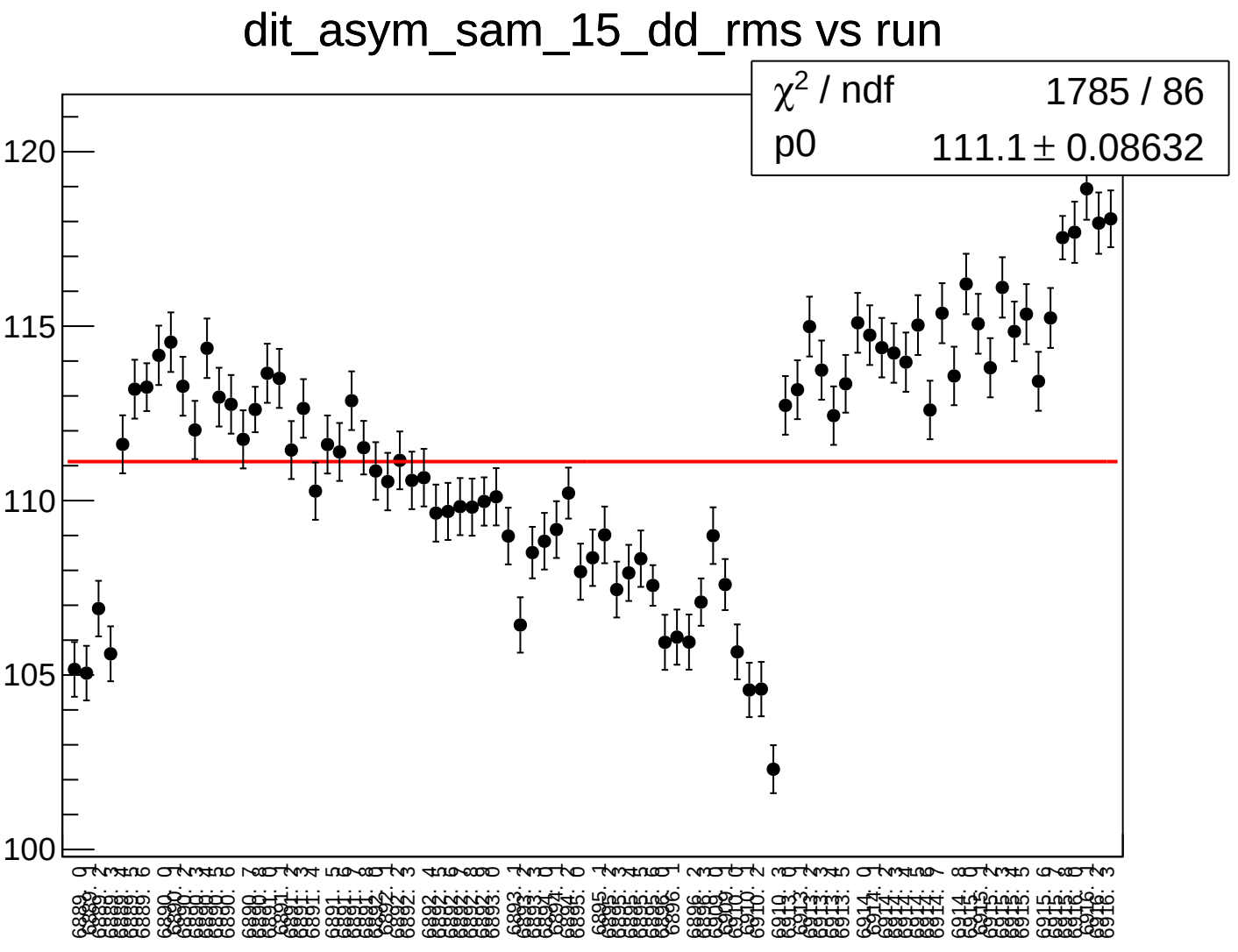

asym_sam_48_avg_mean vs run
χ² / ndf 70.39 / 86
p0 −322 ± 1474
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −224.7
Std Dev 263.5
2
1
0
−1
−2
−3

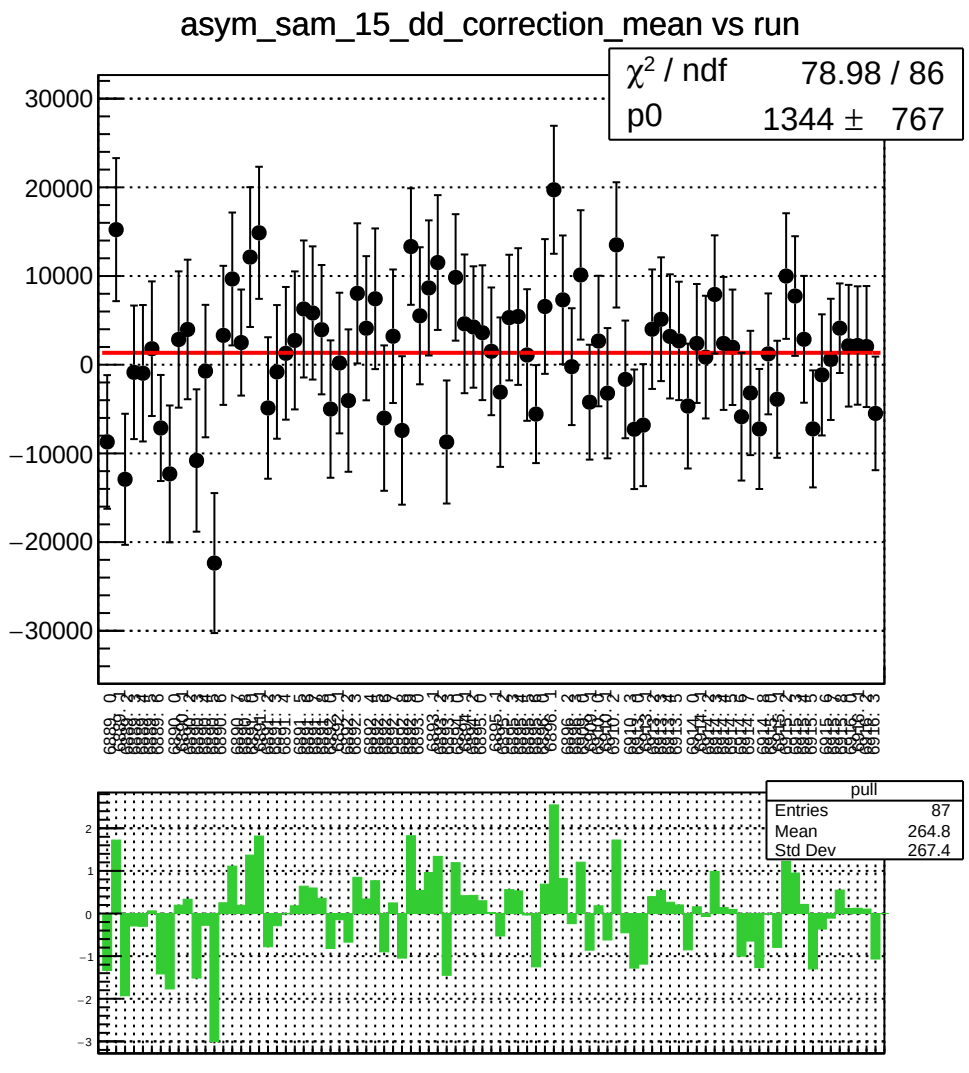

pull1D
Entries 87
Mean −0.01625
Std Dev 0.8994
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

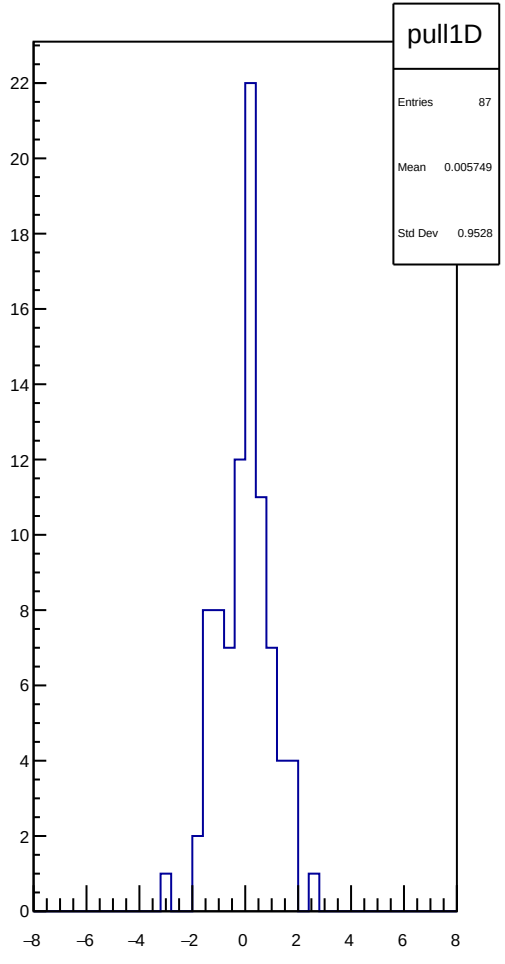

asym_sam_48_avg_rms vs run
χ² / ndf 8010 / 86
p0 1339 ± 1.043
1600
1500
1400
1300
1200
1100

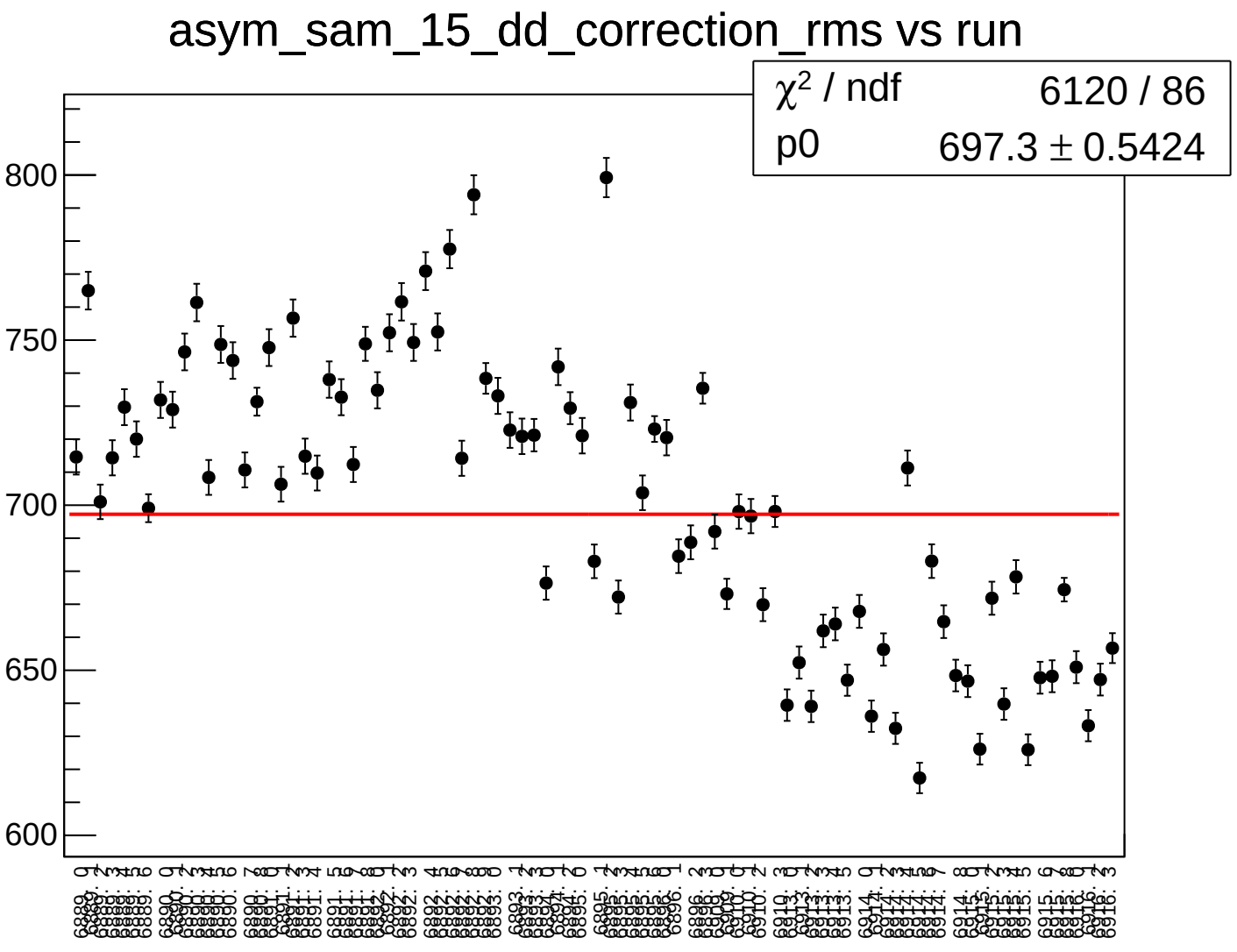

dit_asym_sam_15_dd_mean vs run
χ² / ndf 81.97 / 86
p0 192 ± 122.1
pull
Entries 87
Mean 40.76
Std Dev 24.84

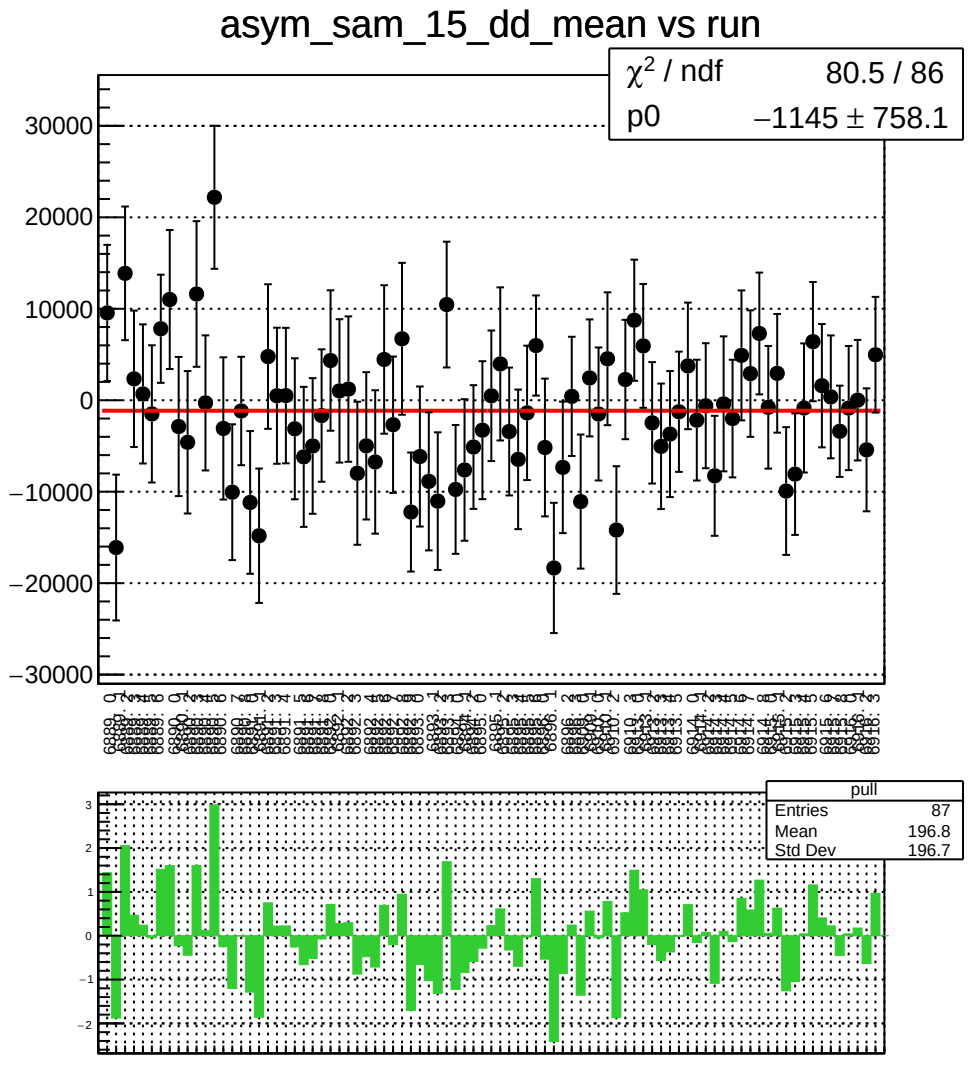

pull1D
Entries 87
Mean −0.01449
Std Dev 0.9706

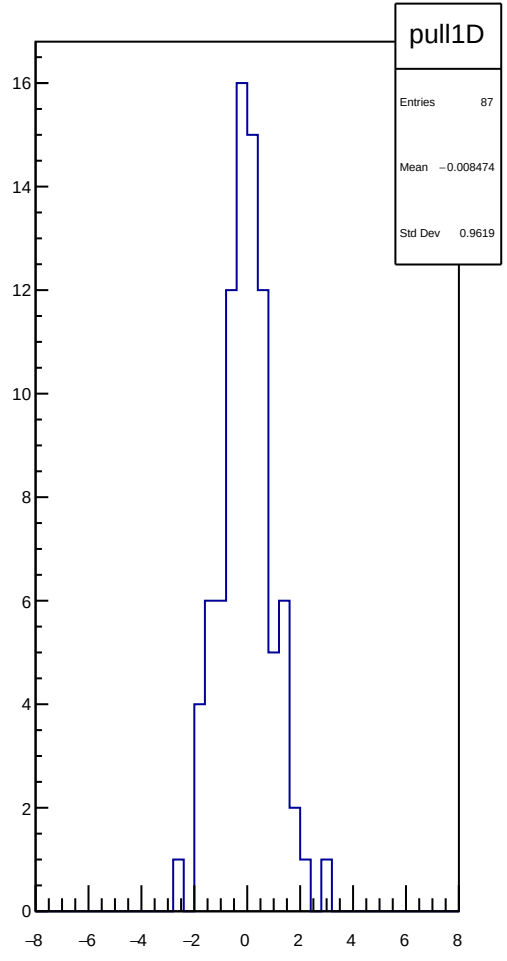

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1785 / 86
p0 111.1 ± 0.08632
120
115
110
105
100

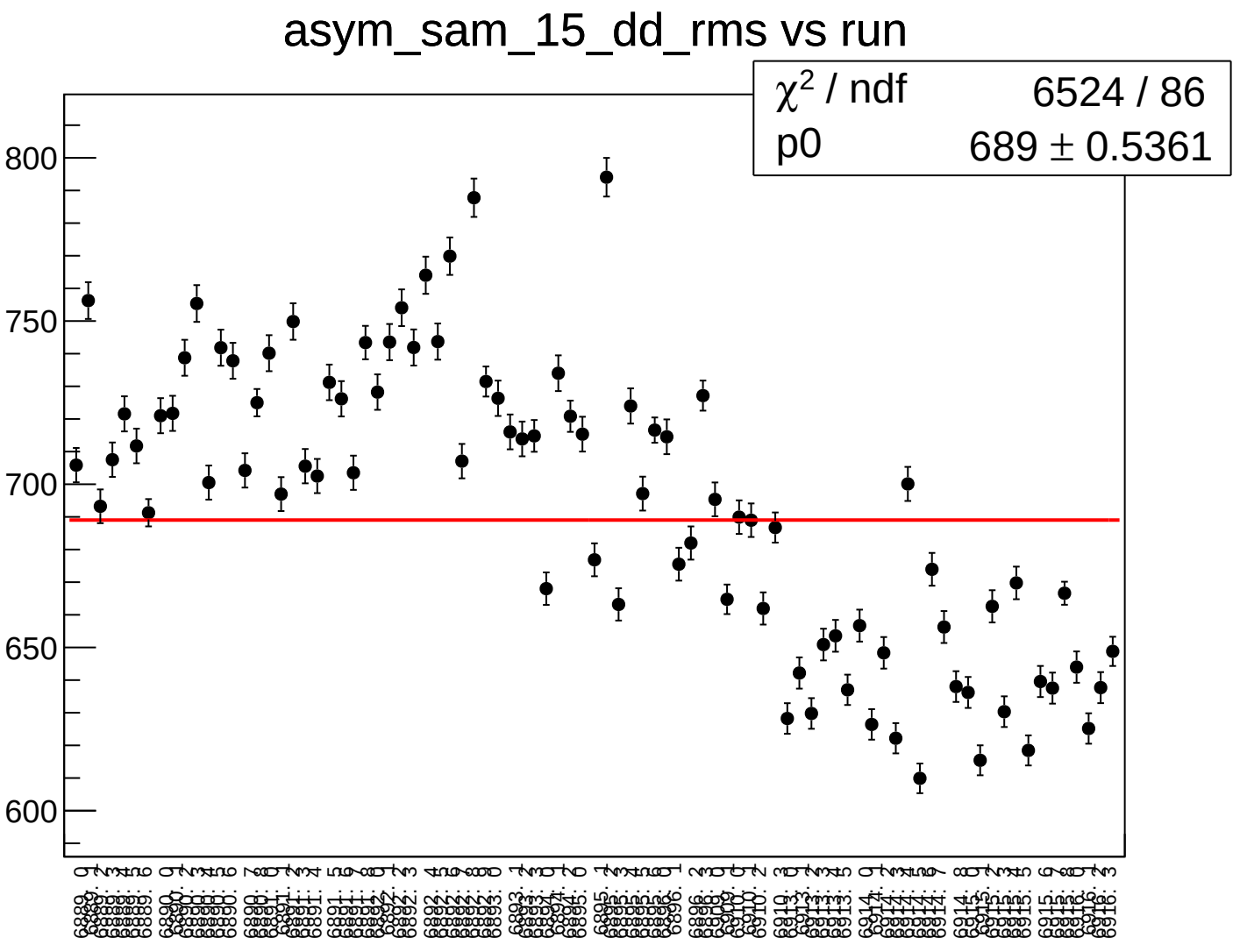

asym_sam_15_dd_correction_mean vs run
χ² / ndf 78.98 / 86
p0 1344 ± 767
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 264.8
Std Dev 267.4
2
1
0
−1
−2
−3

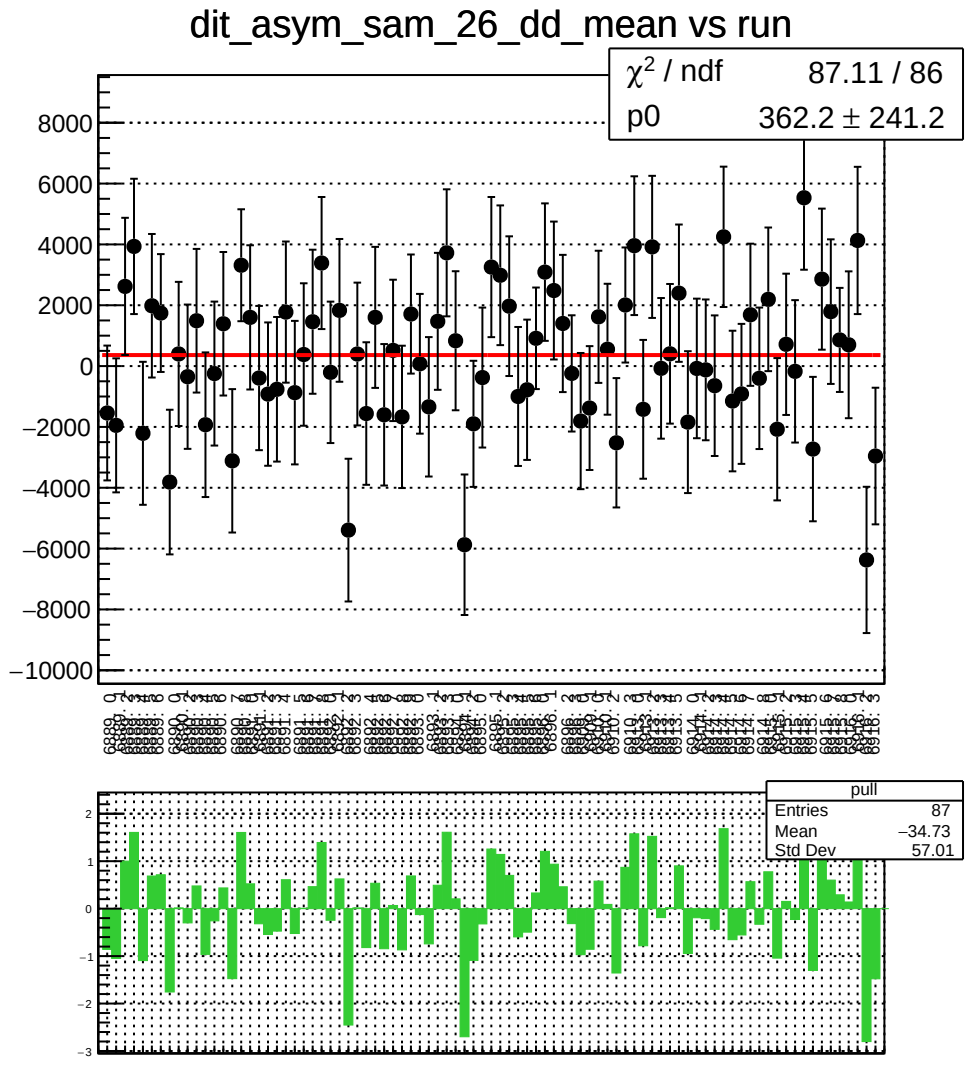

pull1D
Entries 87
Mean 0.005749
Std Dev 0.9528
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

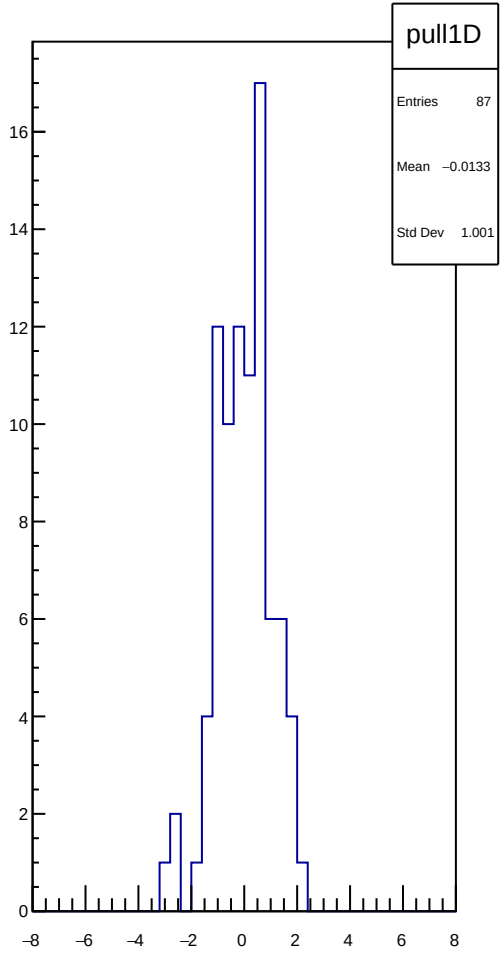

asym_sam_15_dd_correction_rms vs run
χ² / ndf 6120 / 86
p0 697.3 ± 0.5424
800
750
700
650
600

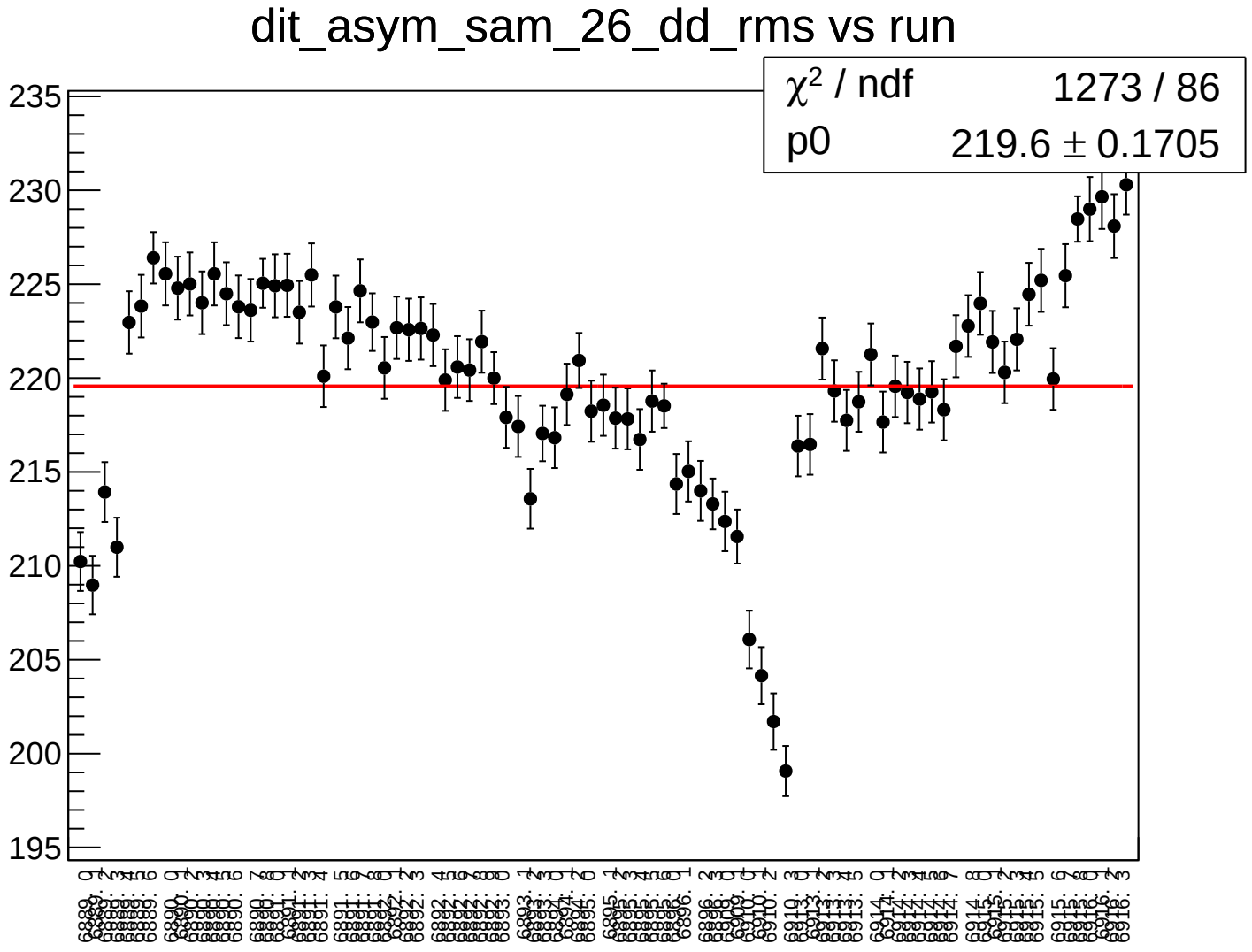

asym_sam_15_dd_mean vs run
χ² / ndf 80.5 / 86
p0 −1145 ± 758.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 196.8
Std Dev 196.7
3
2
1
0
−1
−2

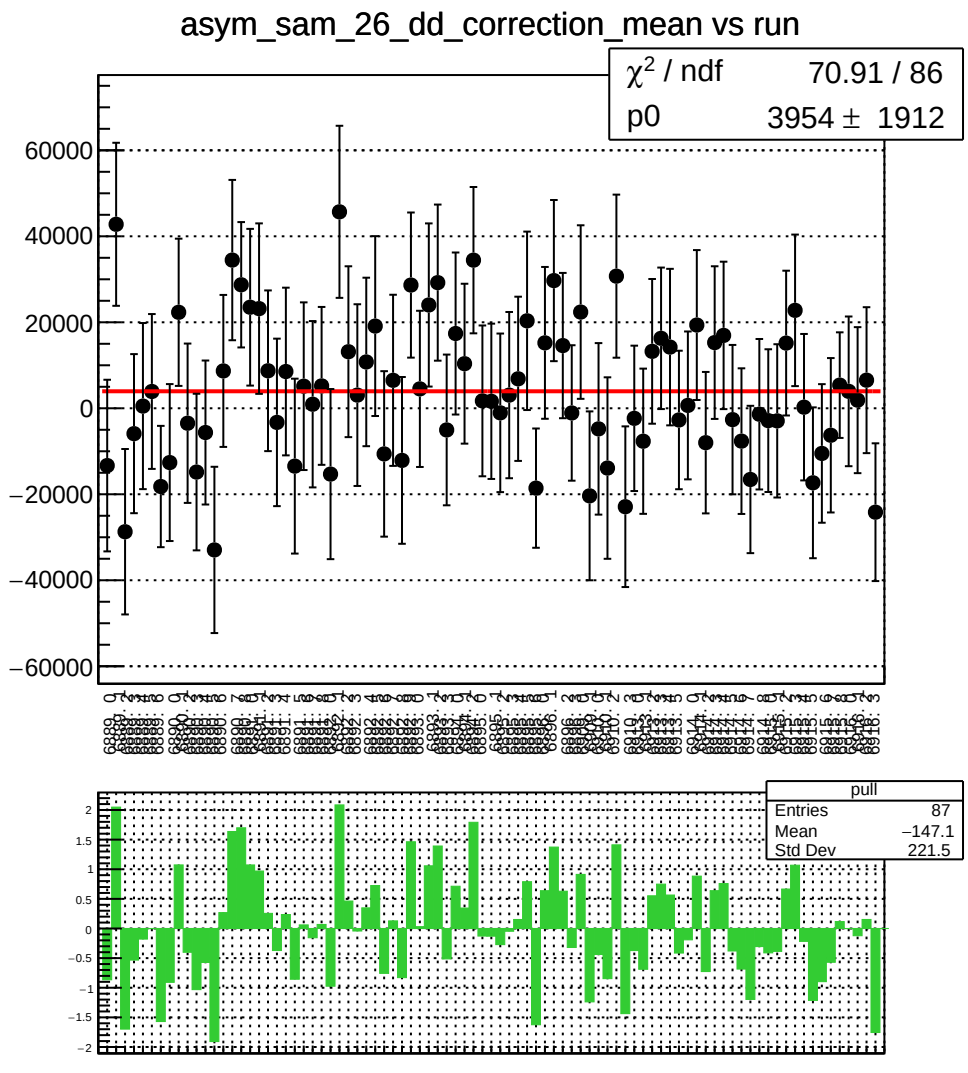

pull1D
Entries 87
Mean −0.008474
Std Dev 0.9619
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

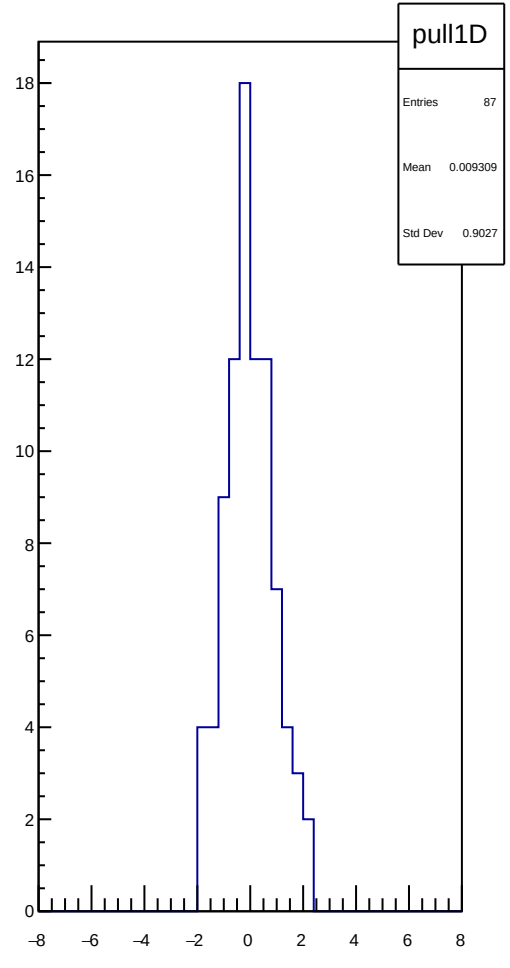

asym_sam_15_dd_rms vs run
χ² / ndf 6524 / 86
p0 689 ± 0.5361
800
750
700
650
600

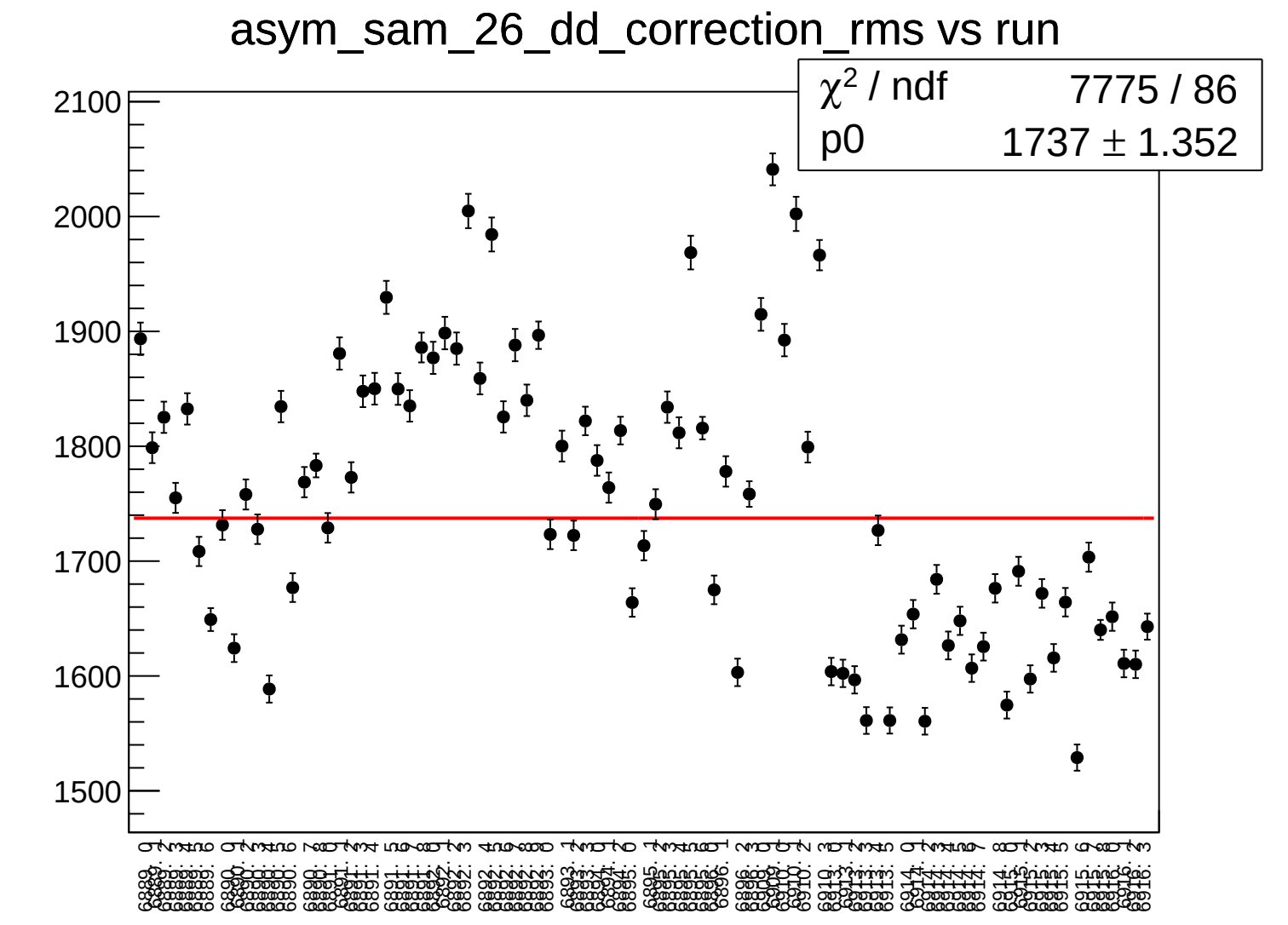

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 87.11 / 86
p0 362.2 ± 241.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 87
Mean −34.73
Std Dev 57.01
2
1
0
−1
−2
−3

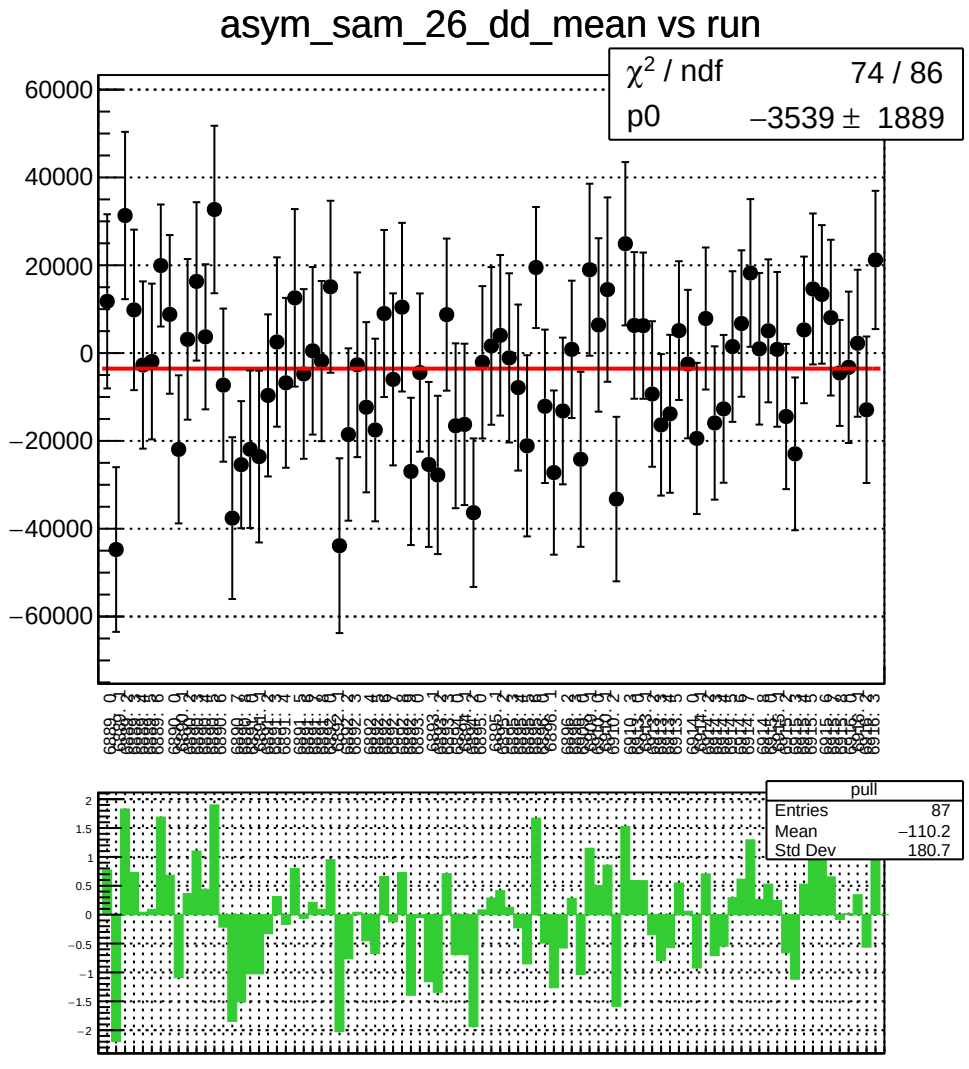

pull1D
Entries 87
Mean −0.0133
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

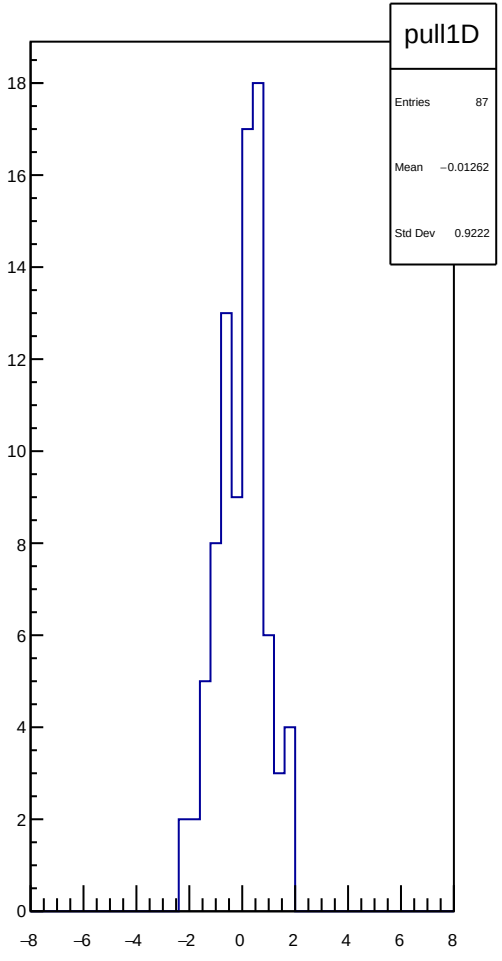

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1273 / 86
p0 219.6 ± 0.1705
235
230
225
220
215
210
205
200
195

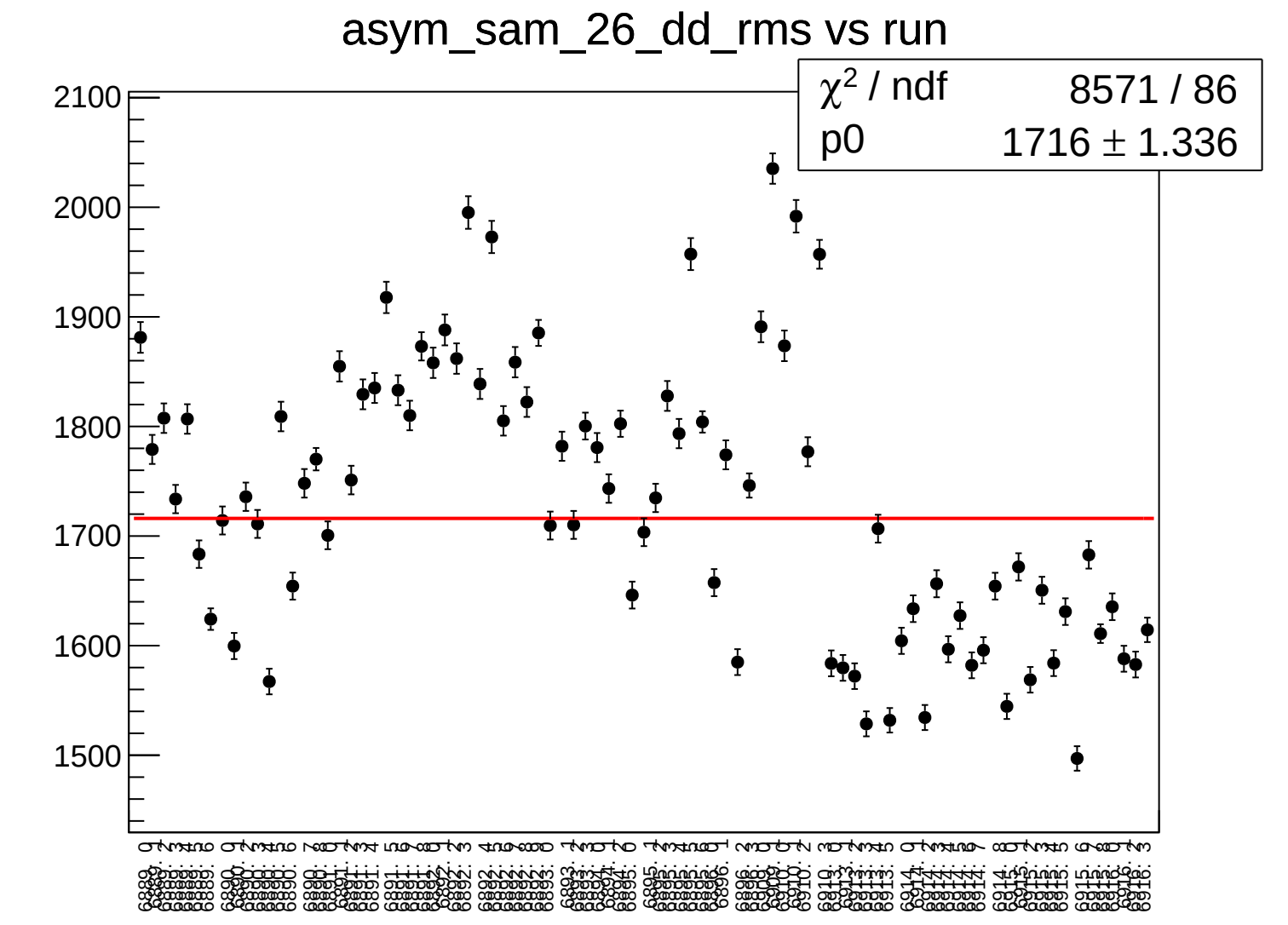

asym_sam_26_dd_correction_mean vs run
χ² / ndf 70.91 / 86
p0 3954 ± 1912
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −147.1
Std Dev 221.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

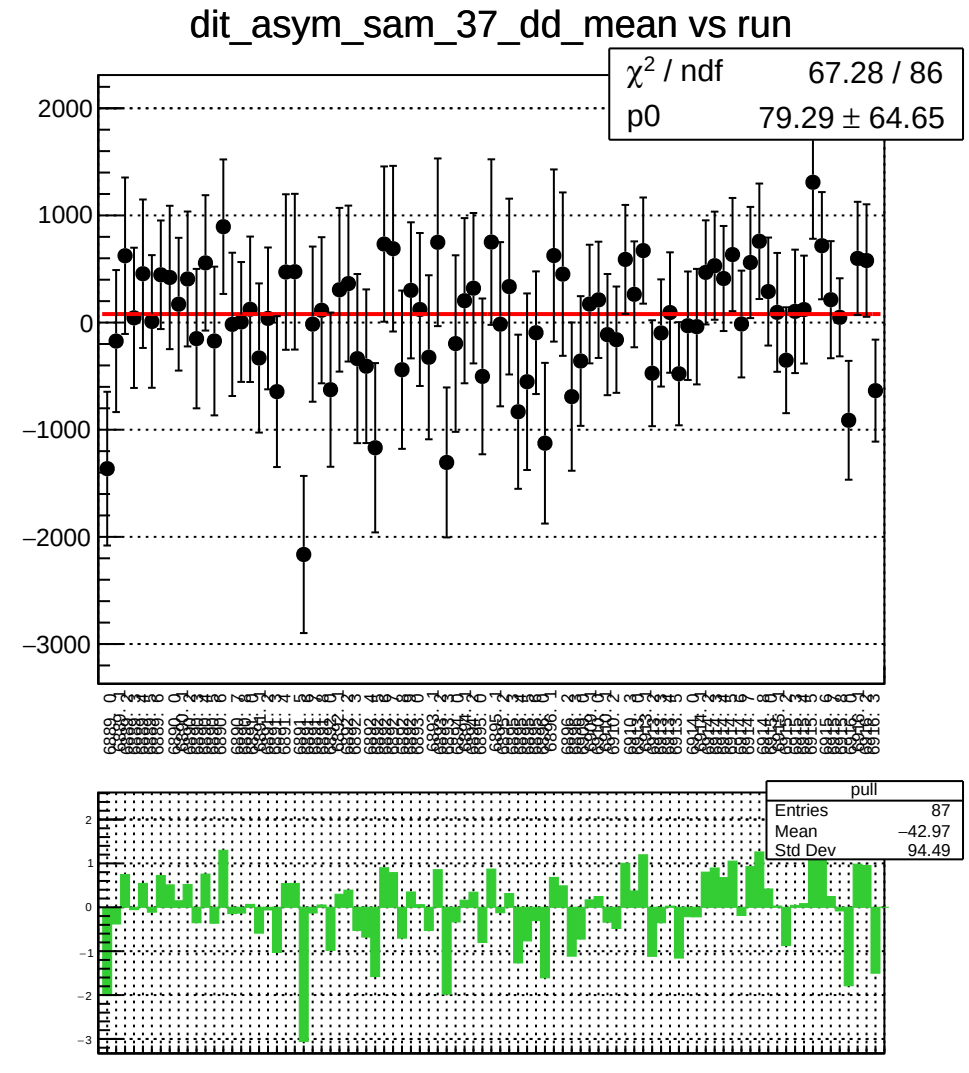

pull1D
Entries 87
Mean 0.009309
Std Dev 0.9027
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

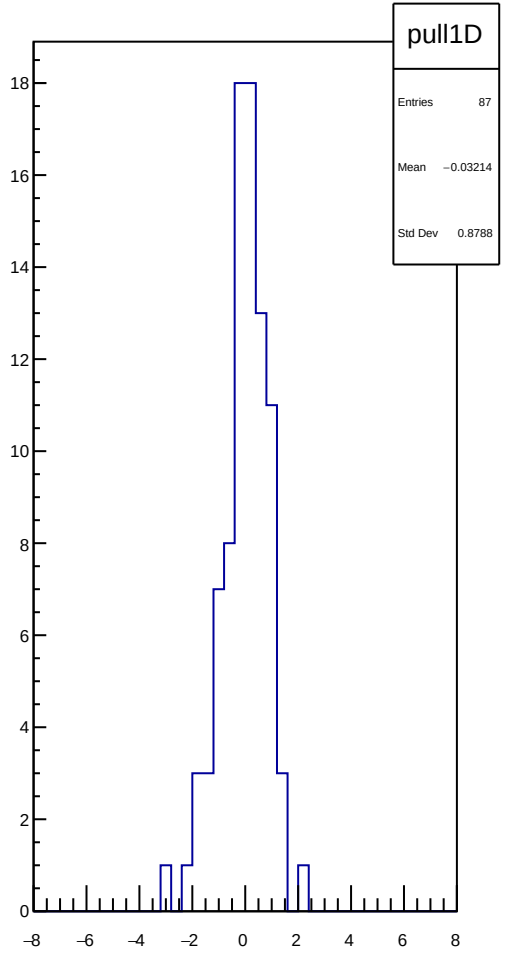

asym_sam_26_dd_correction_rms vs run
χ² / ndf 7775 / 86
p0 1737 ± 1.352
2100
2000
1900
1800
1700
1600
1500

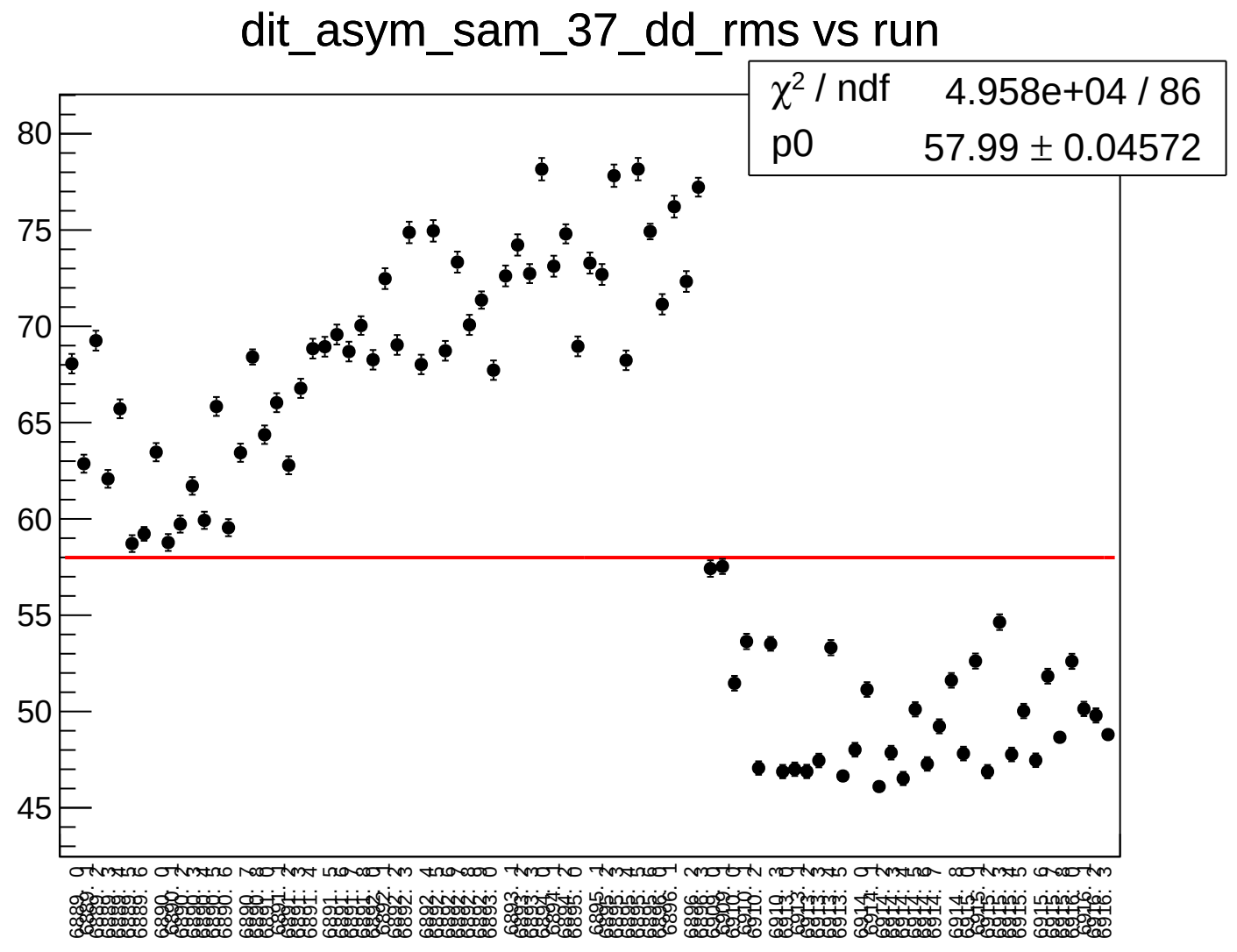

asym_sam_26_dd_mean vs run
χ² / ndf 74 / 86
p0 −3539 ± 1889
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −110.2
Std Dev 180.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

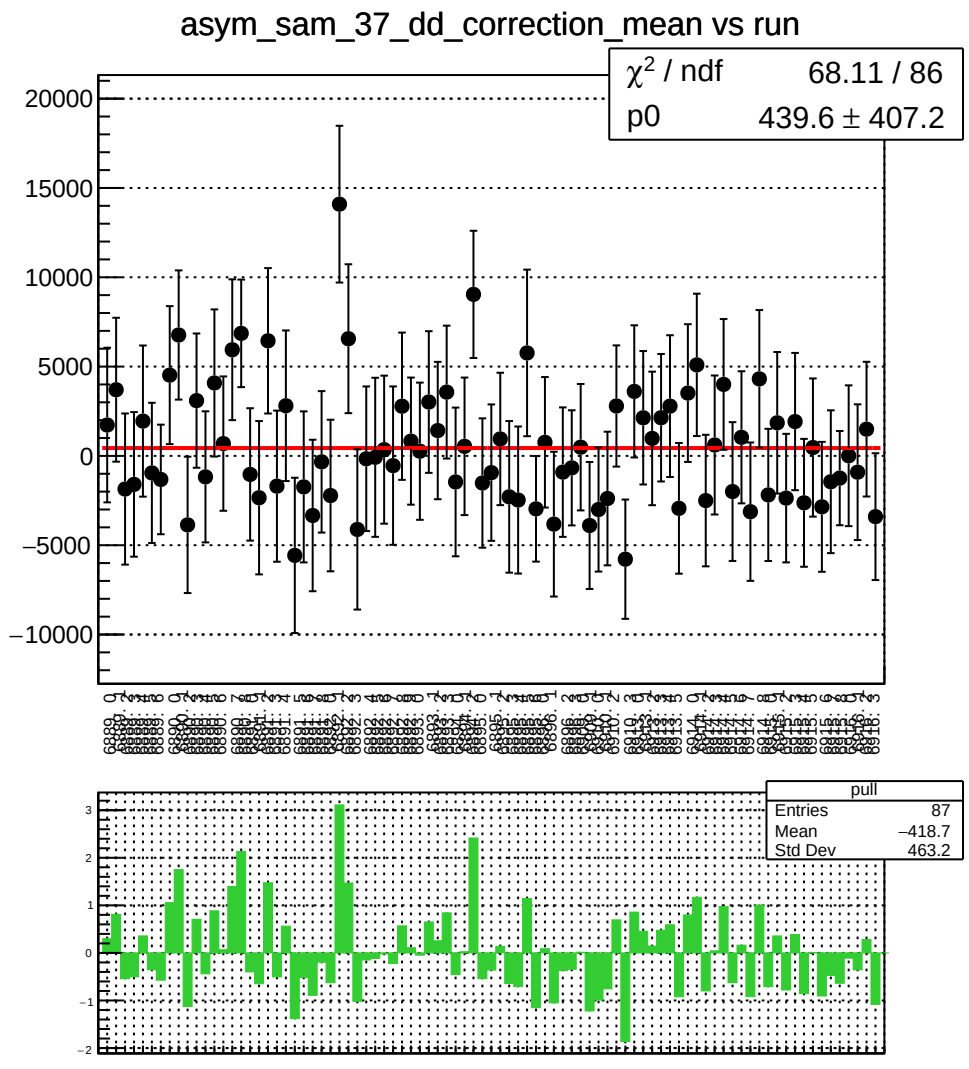

pull1D
Entries 87
Mean −0.01262
Std Dev 0.9222
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

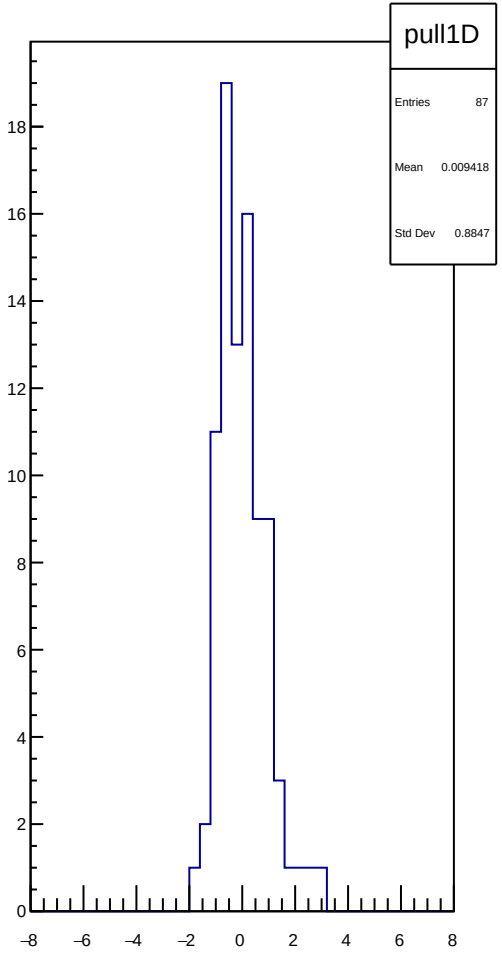

asym_sam_26_dd_rms vs run
χ² / ndf 8571 / 86
p0 1716 ± 1.336
2100
2000
1900
1800
1700
1600
1500

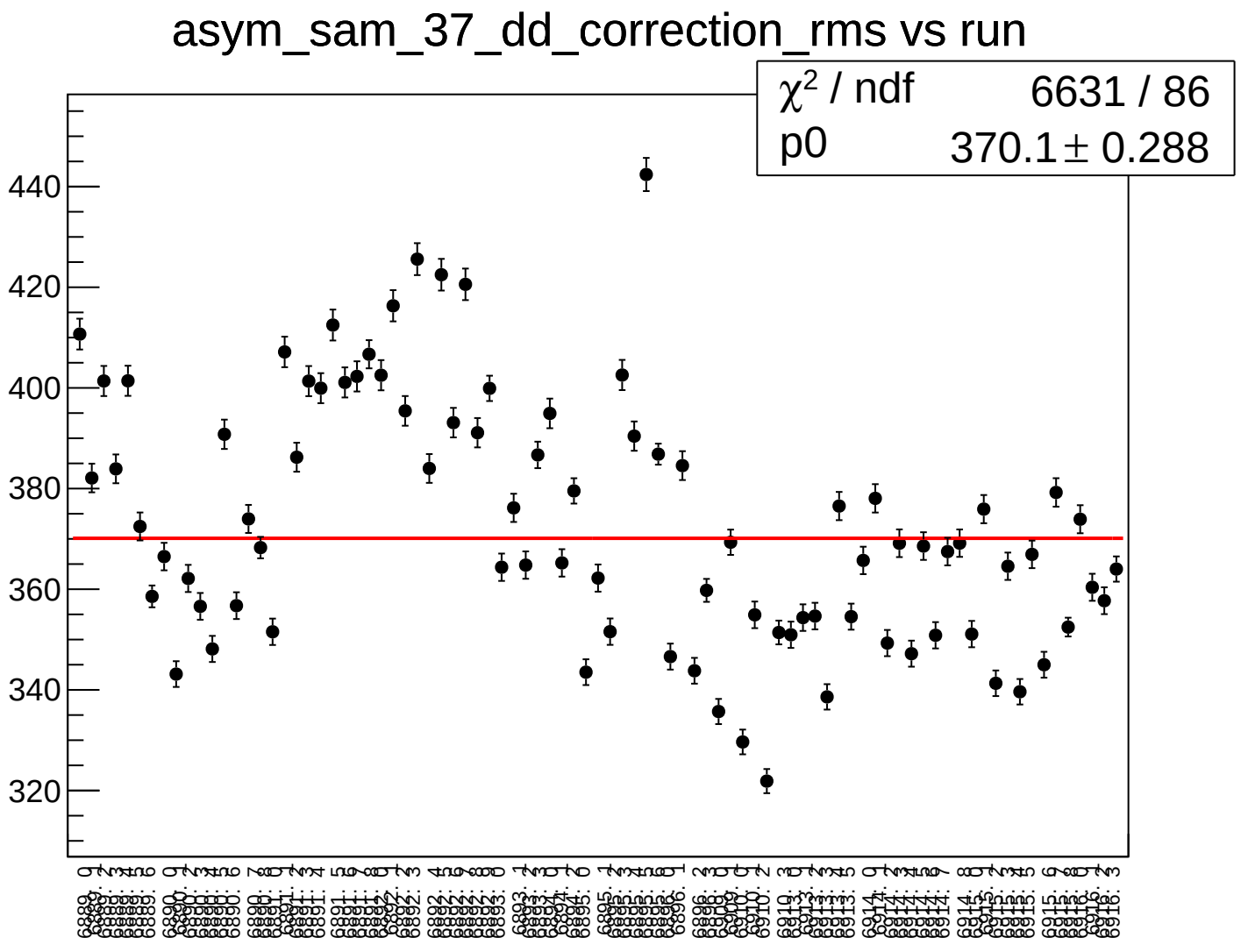

dit_asym_sam_37_dd_mean vs run
χ² / ndf 67.28 / 86
p0 79.29 ± 64.65
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −42.97
Std Dev 94.49
2
1
0
−1
−2
−3

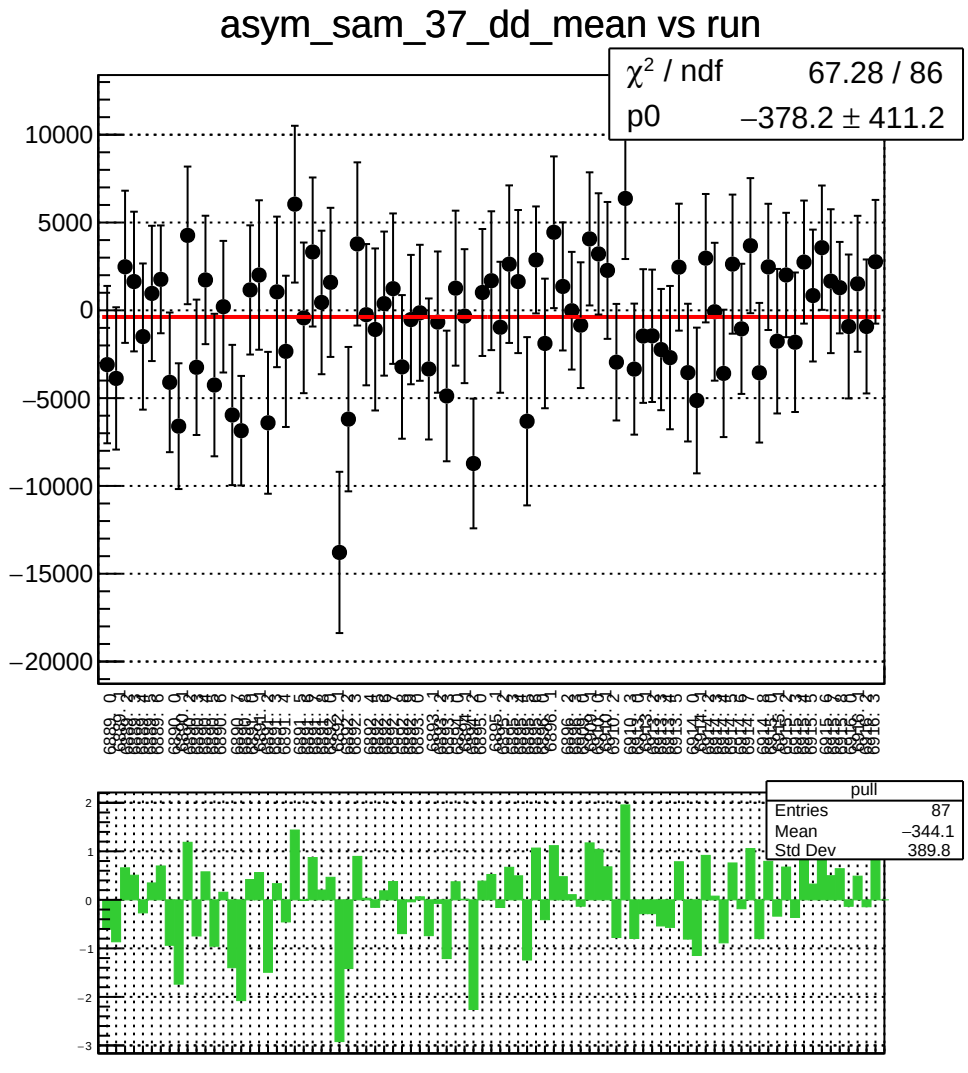

pull1D
Entries 87
Mean −0.03214
Std Dev 0.8788
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

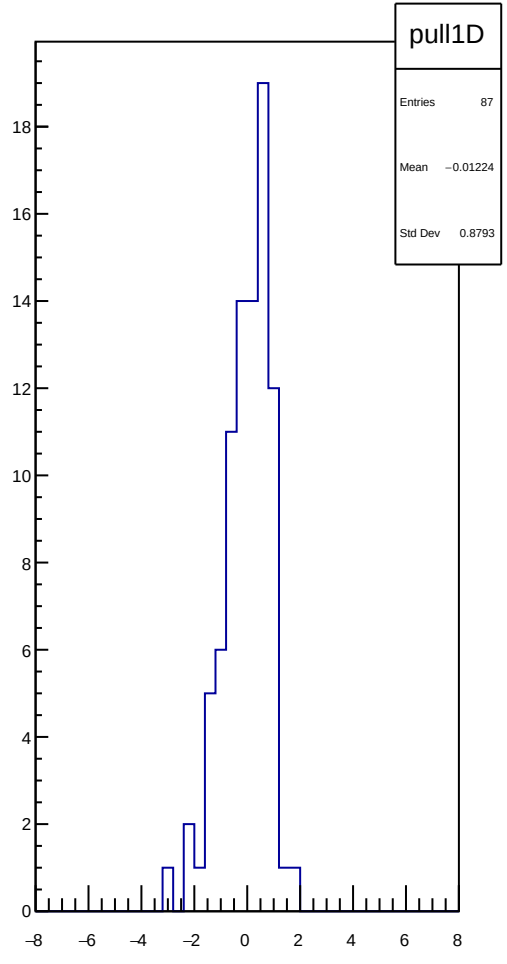

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.958e+04 / 86
p0 57.99 ± 0.04572
80
75
70
65
60
55
50
45

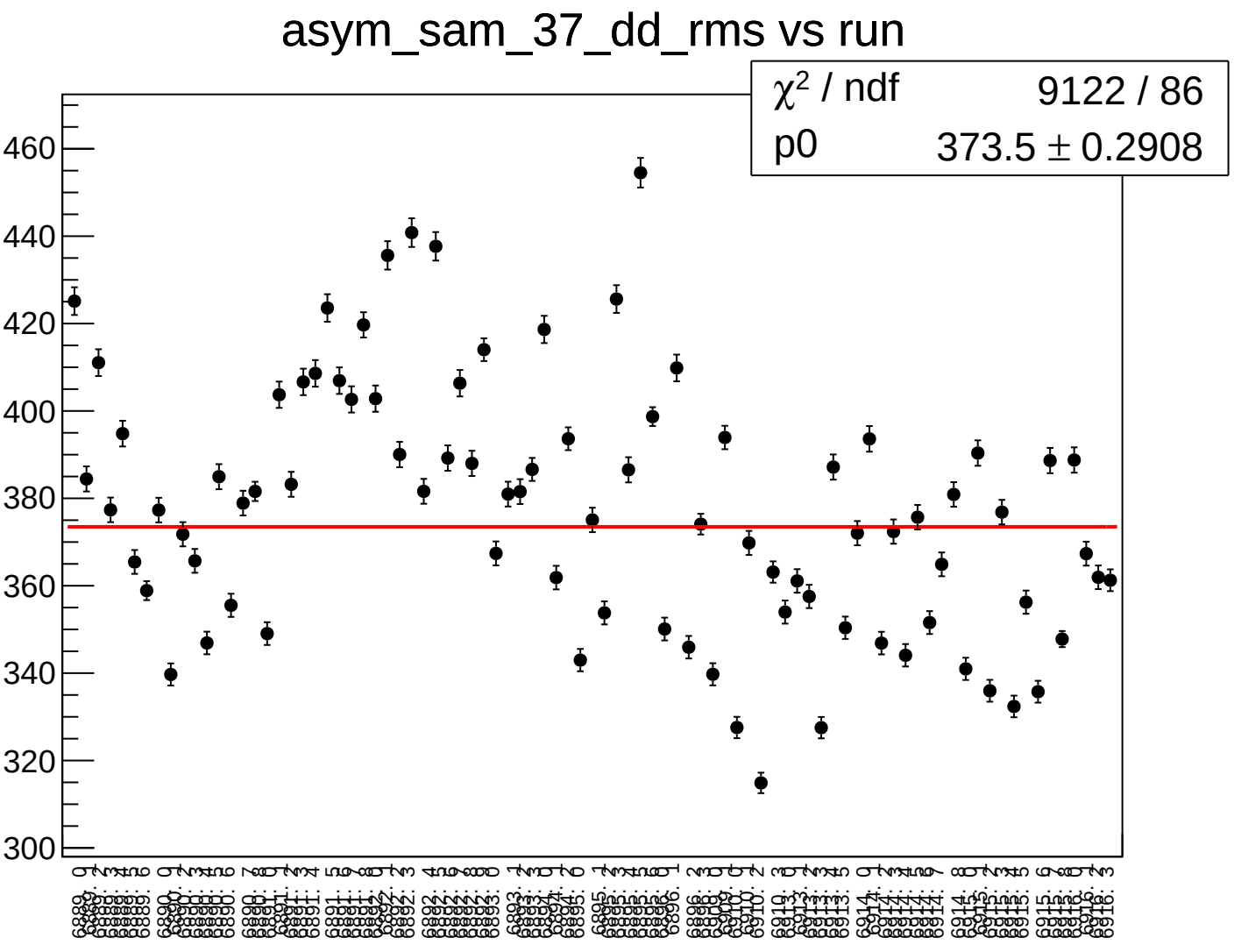

asym_sam_37_dd_correction_mean vs run
χ² / ndf 68.11 / 86
p0 439.6 ± 407.2
pull
Entries 87
Mean −418.7
Std Dev 463.2

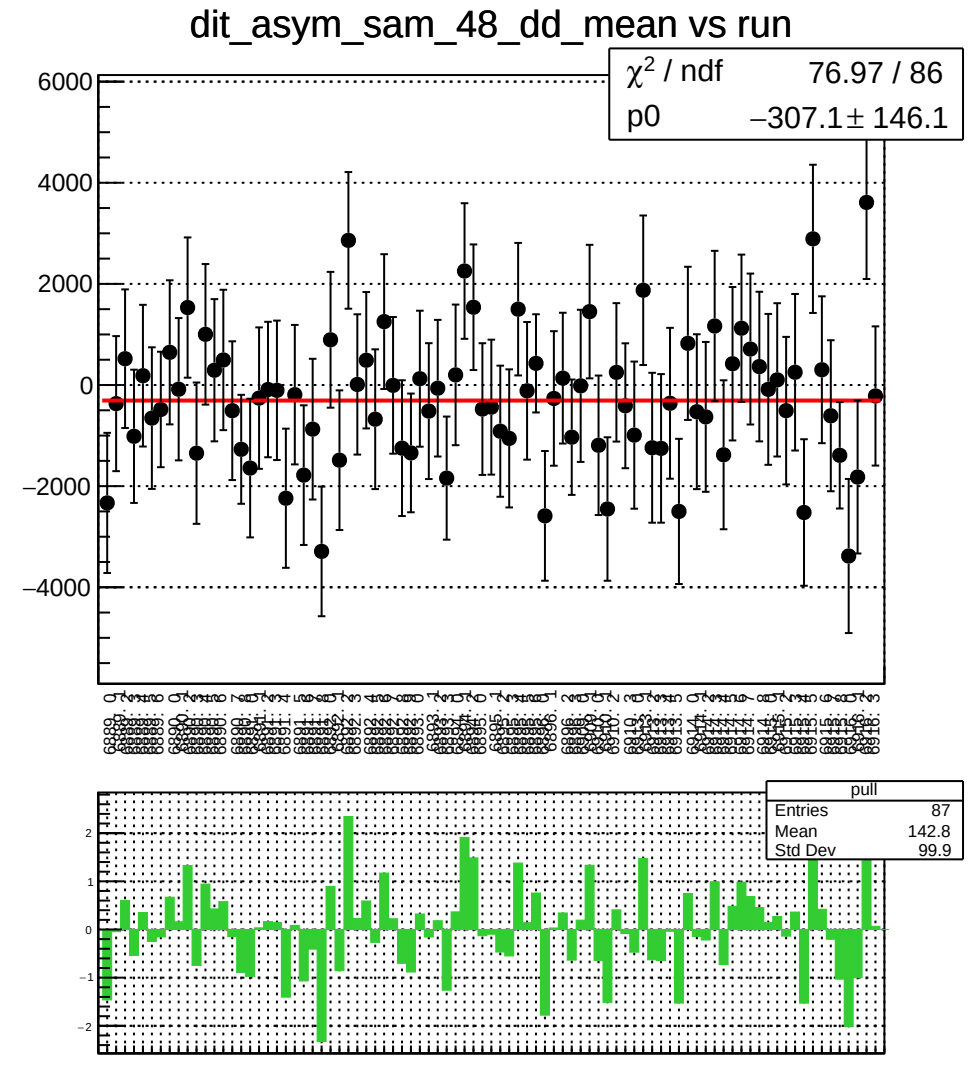

pull1D
Entries 87
Mean 0.009418
Std Dev 0.8847

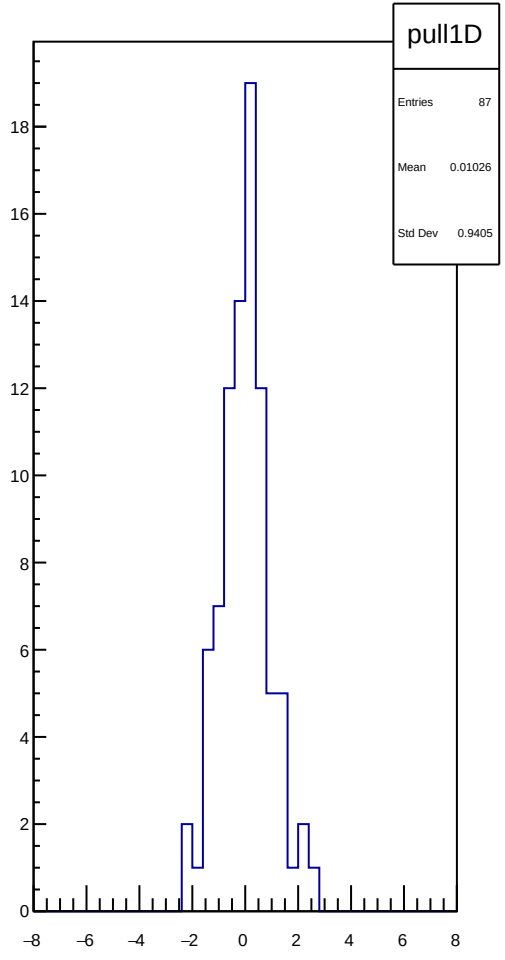

asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 6631 / 86
p0 370.1 ± 0.288
440
420
400
380
360
340
320

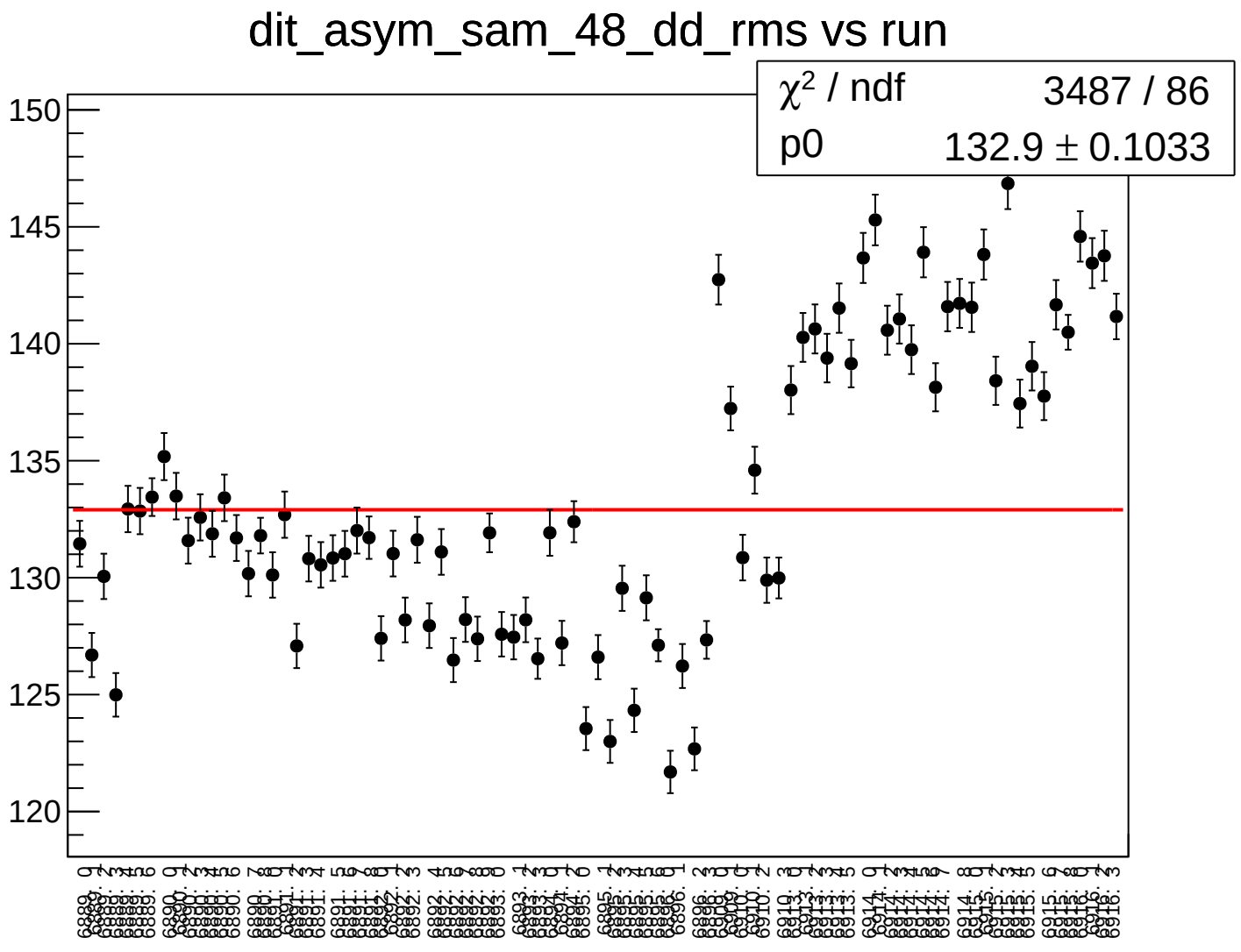

asym_sam_37_dd_mean vs run
χ² / ndf 67.28 / 86
p0 −378.2 ± 411.2
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean −344.1
Std Dev 389.8
2
1
0
−1
−2
−3

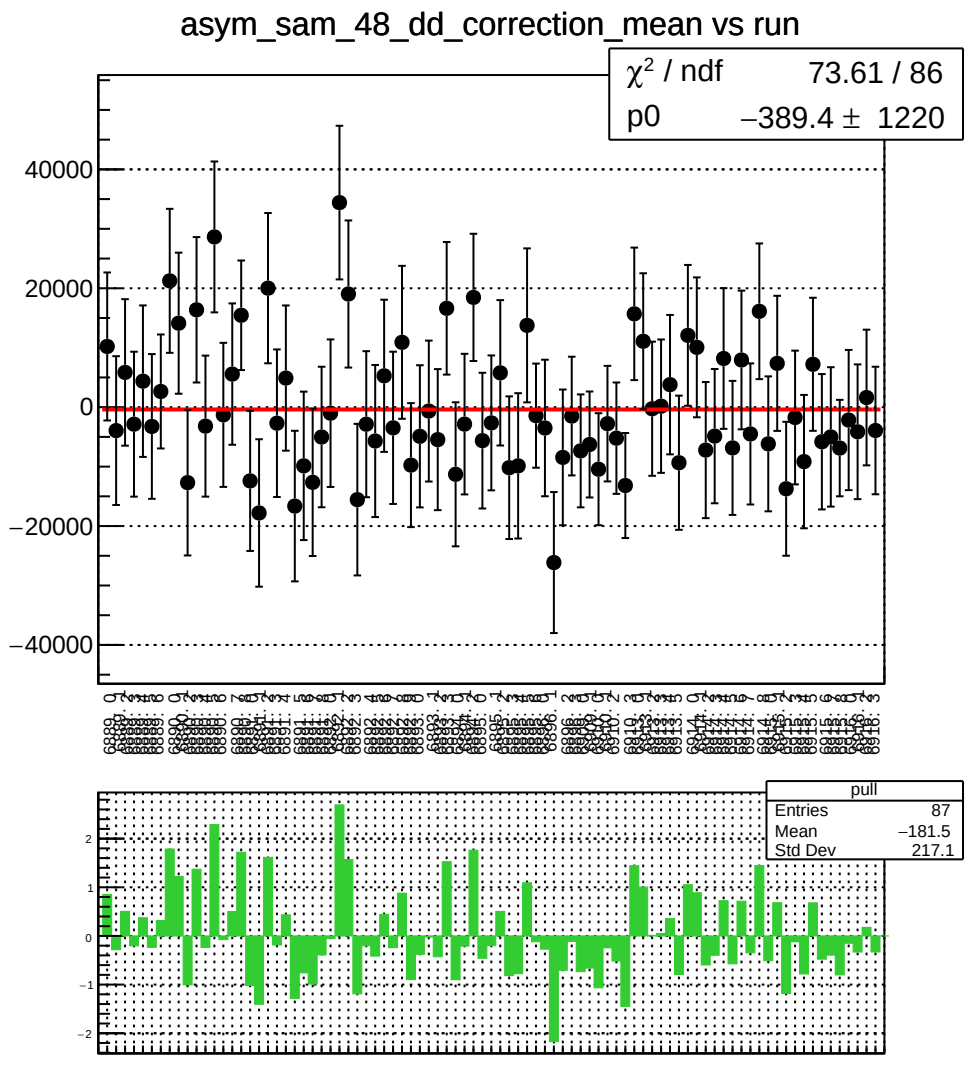

pull1D
Entries 87
Mean −0.01224
Std Dev 0.8793
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

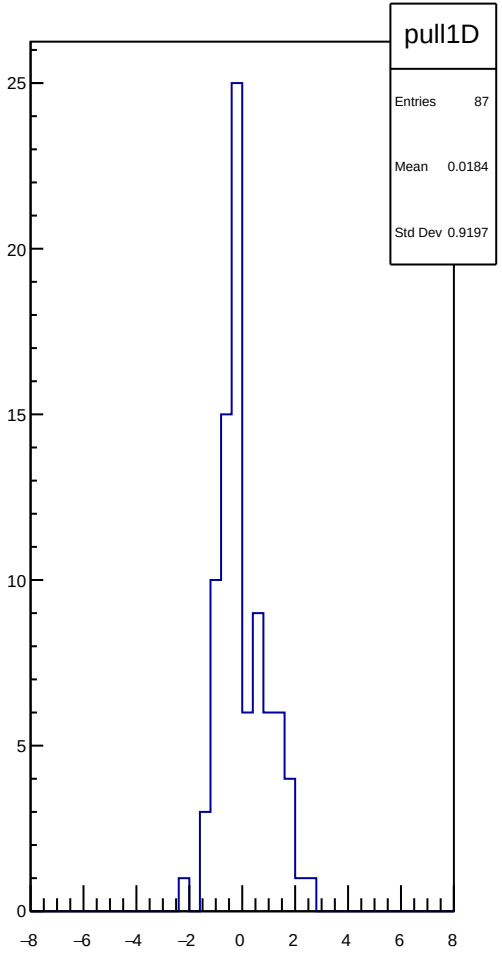

asym_sam_37_dd_rms vs run
χ^2 / ndf 9122 / 86
p0 373.5 ± 0.2908
460
440
420
400
380
360
340
320
300

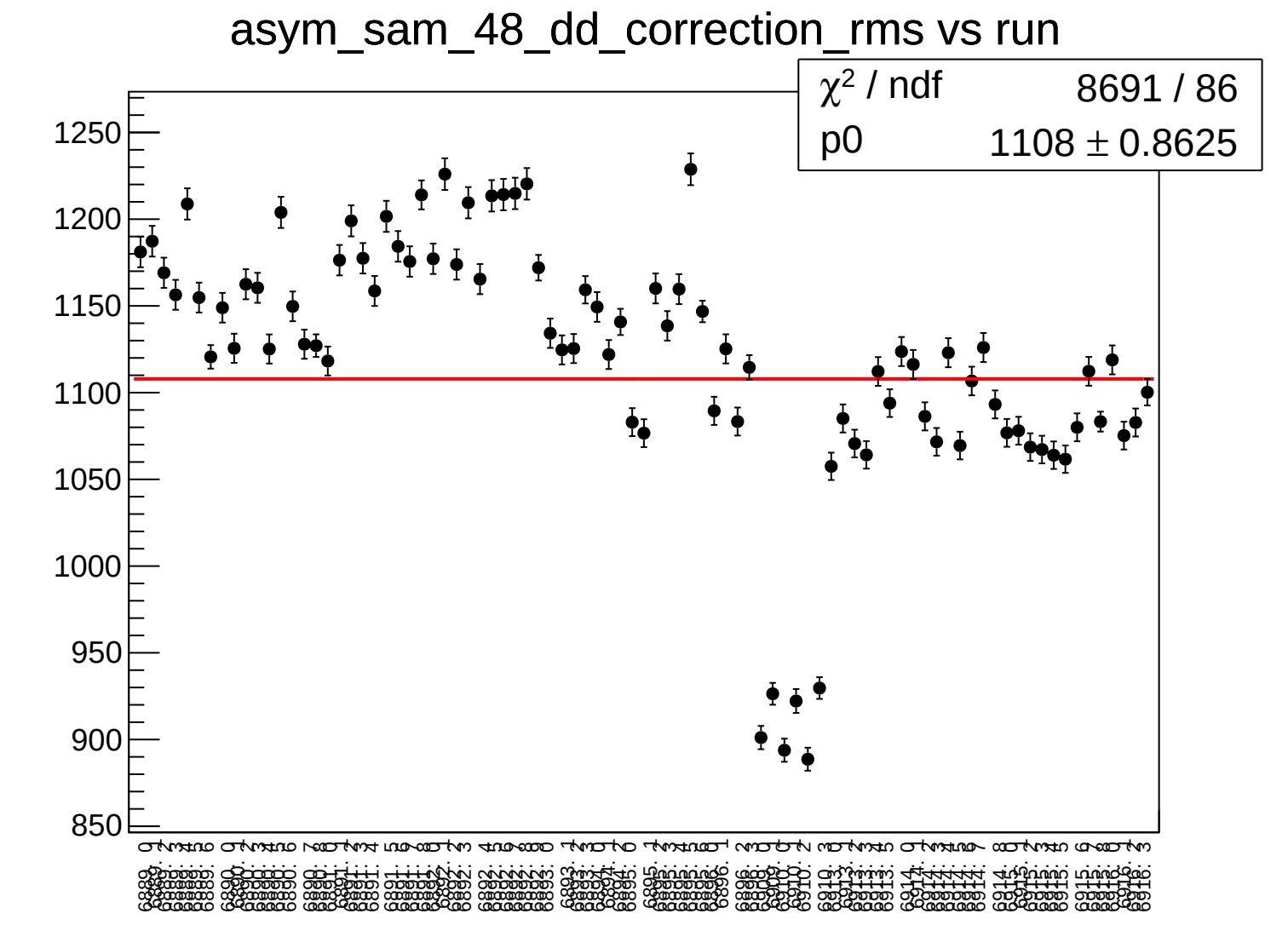

dit_asym_sam_48_dd_mean vs run
χ² / ndf 76.97 / 86
p0 −307.1 ± 146.1
pull
Entries 87
Mean 142.8
Std Dev 99.9

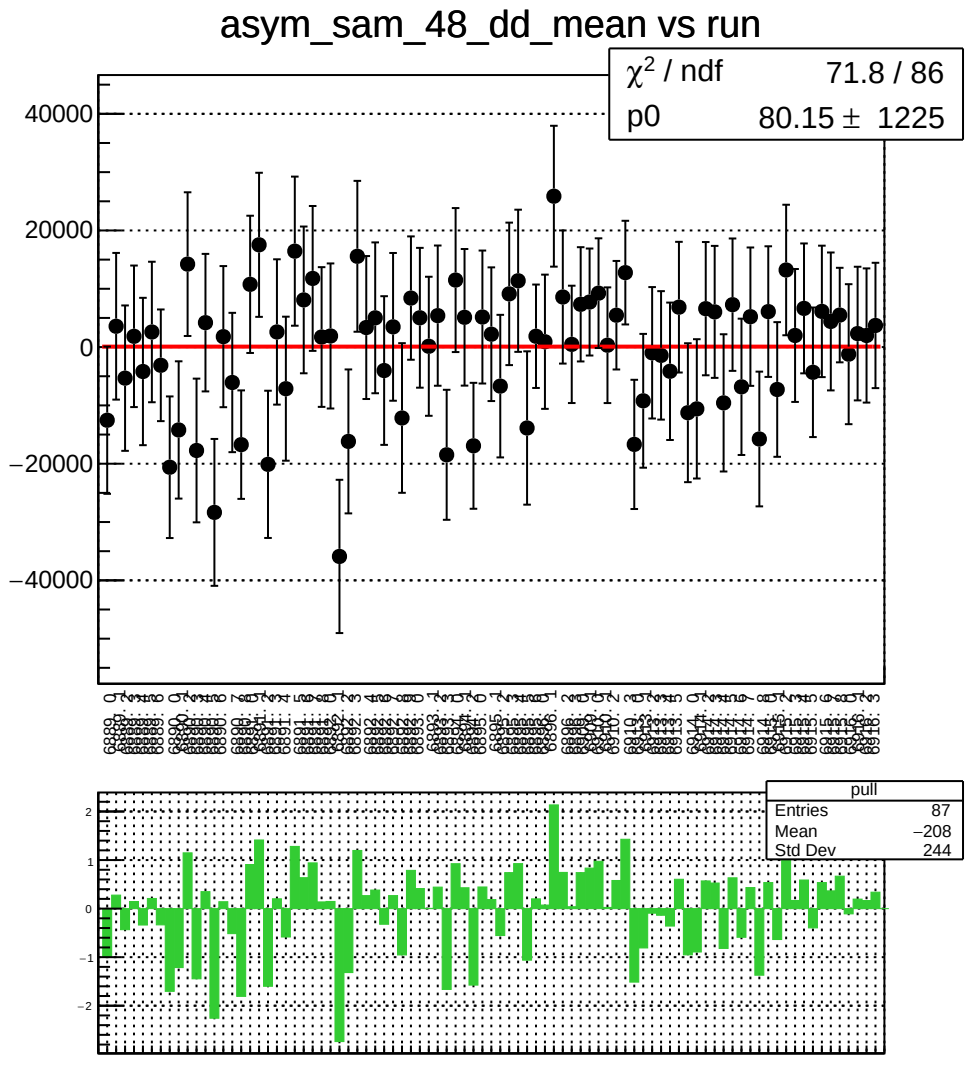

pull1D
Entries 87
Mean 0.01026
Std Dev 0.9405

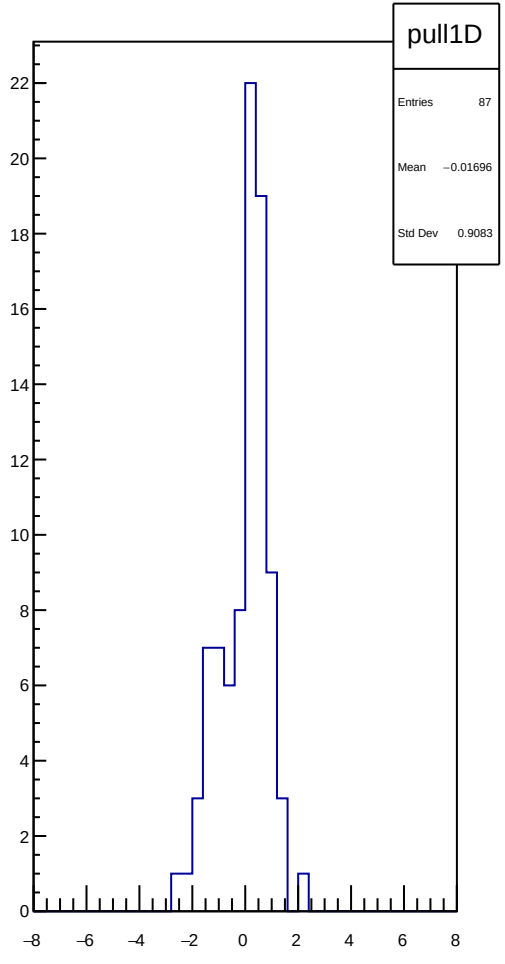

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3487 / 86
p0 132.9 ± 0.1033
150
145
140
135
130
125
120

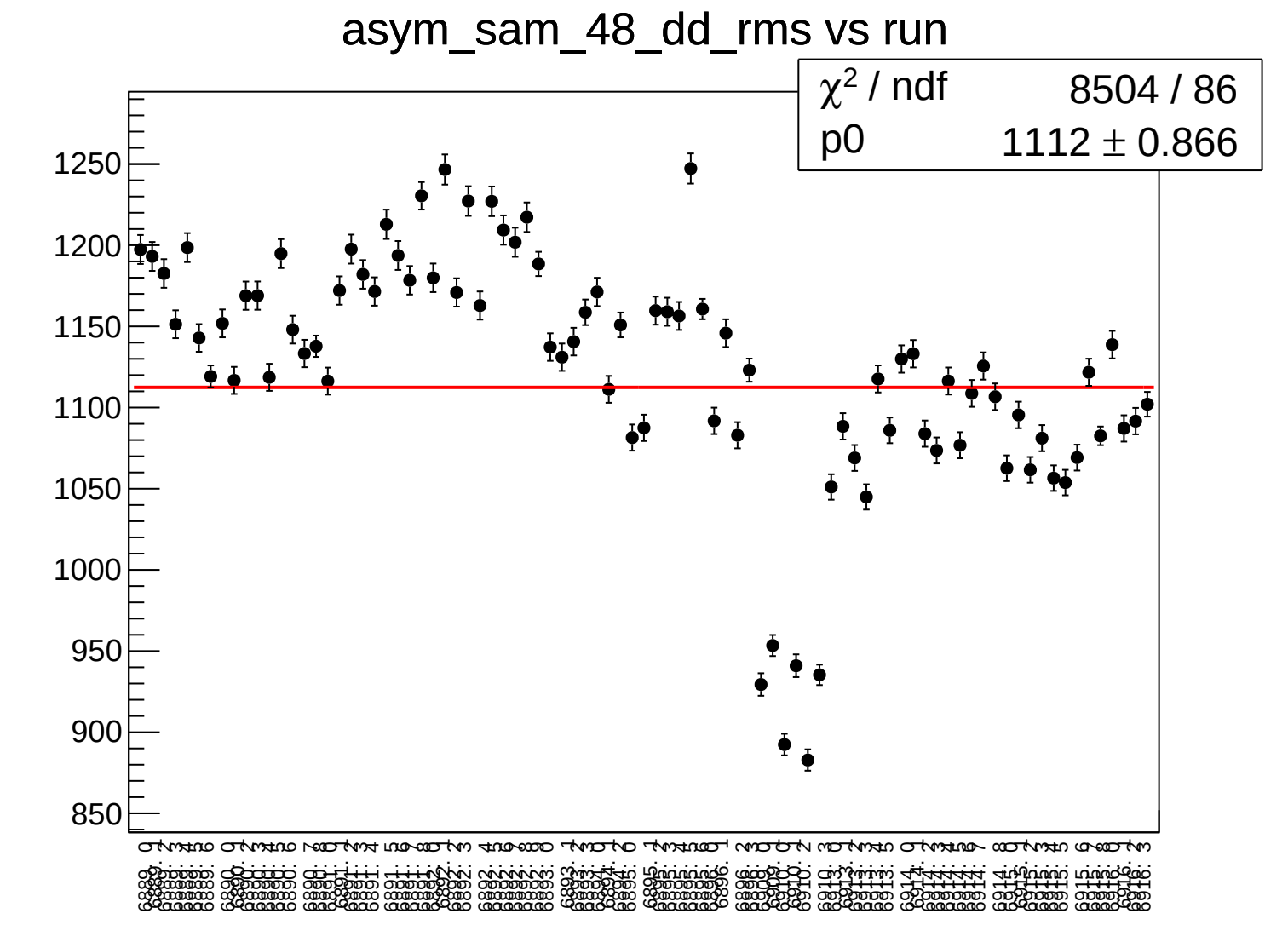

asym_sam_48_dd_correction_mean vs run
χ² / ndf 73.61 / 86
p0 −389.4 ± 1220
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −181.5
Std Dev 217.1
2
1
0
−1
−2

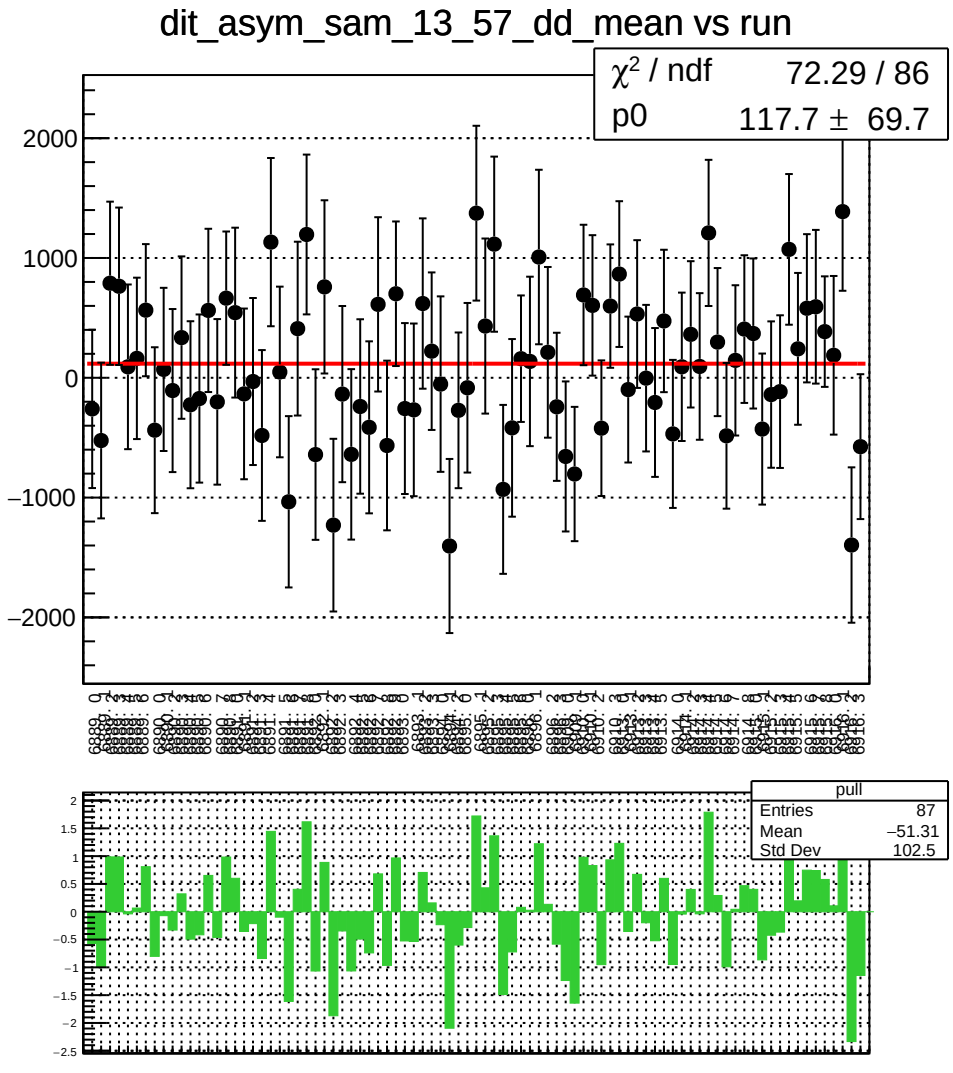

pull1D
Entries 87
Mean 0.0184
Std Dev 0.9197
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

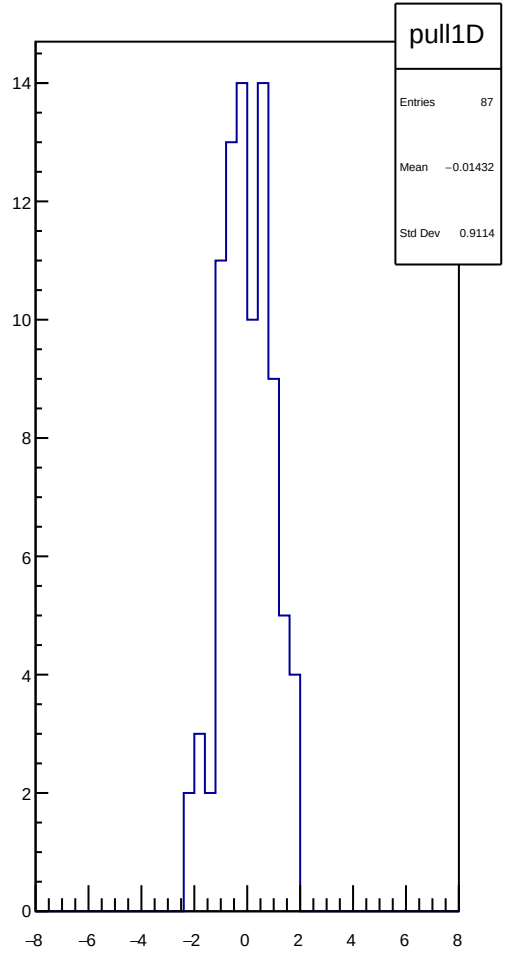

asym_sam_48_dd_correction_rms vs run
χ² / ndf 8691 / 86
p0 1108 ± 0.8625
1250
1200
1150
1100
1050
1000
950
900
850

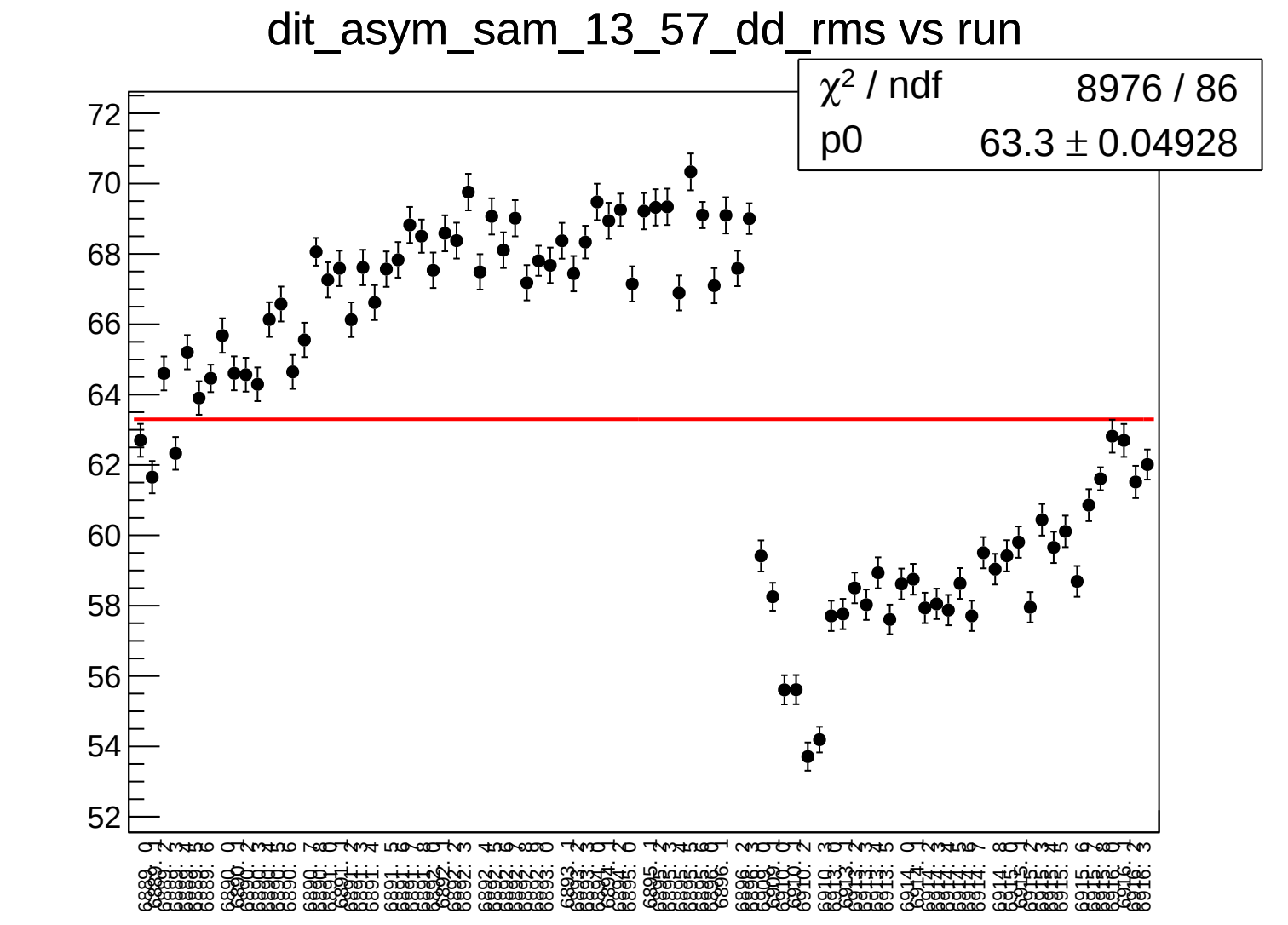

asym_sam_48_dd_mean vs run
χ² / ndf 71.8 / 86
p0 80.15 ± 1225
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −208
Std Dev 244
2
1
0
−1
−2

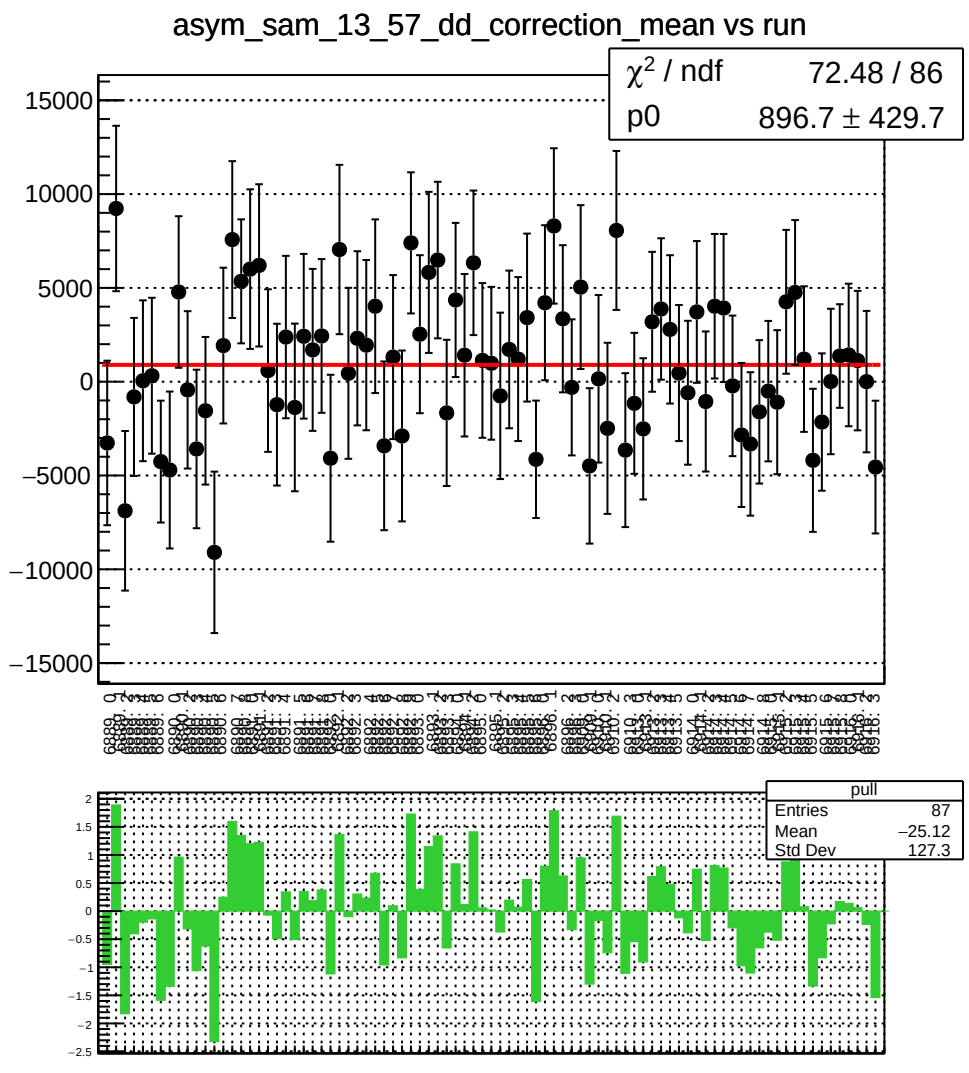

pull1D
Entries 87
Mean −0.01696
Std Dev 0.9083
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

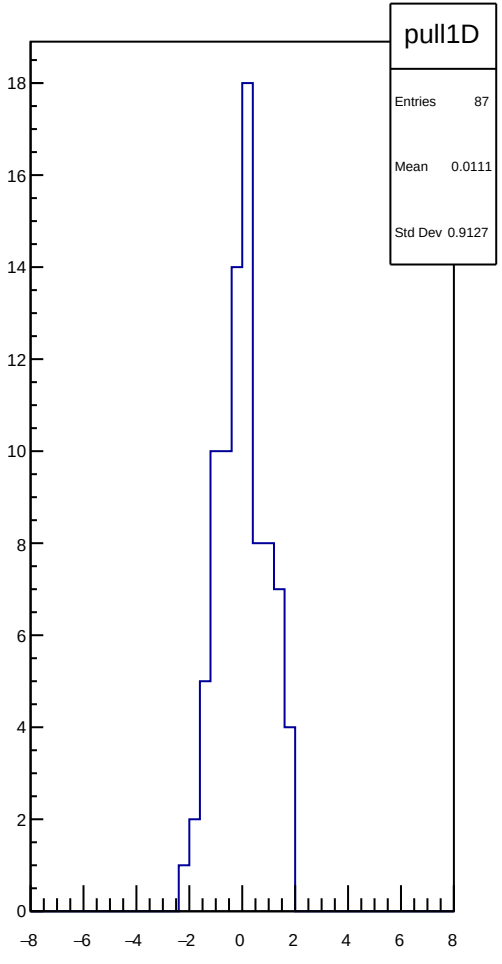

asym_sam_48_dd_rms vs run
χ² / ndf 8504 / 86
p0 1112 ± 0.866
1250
1200
1150
1100
1050
1000
950
900
850

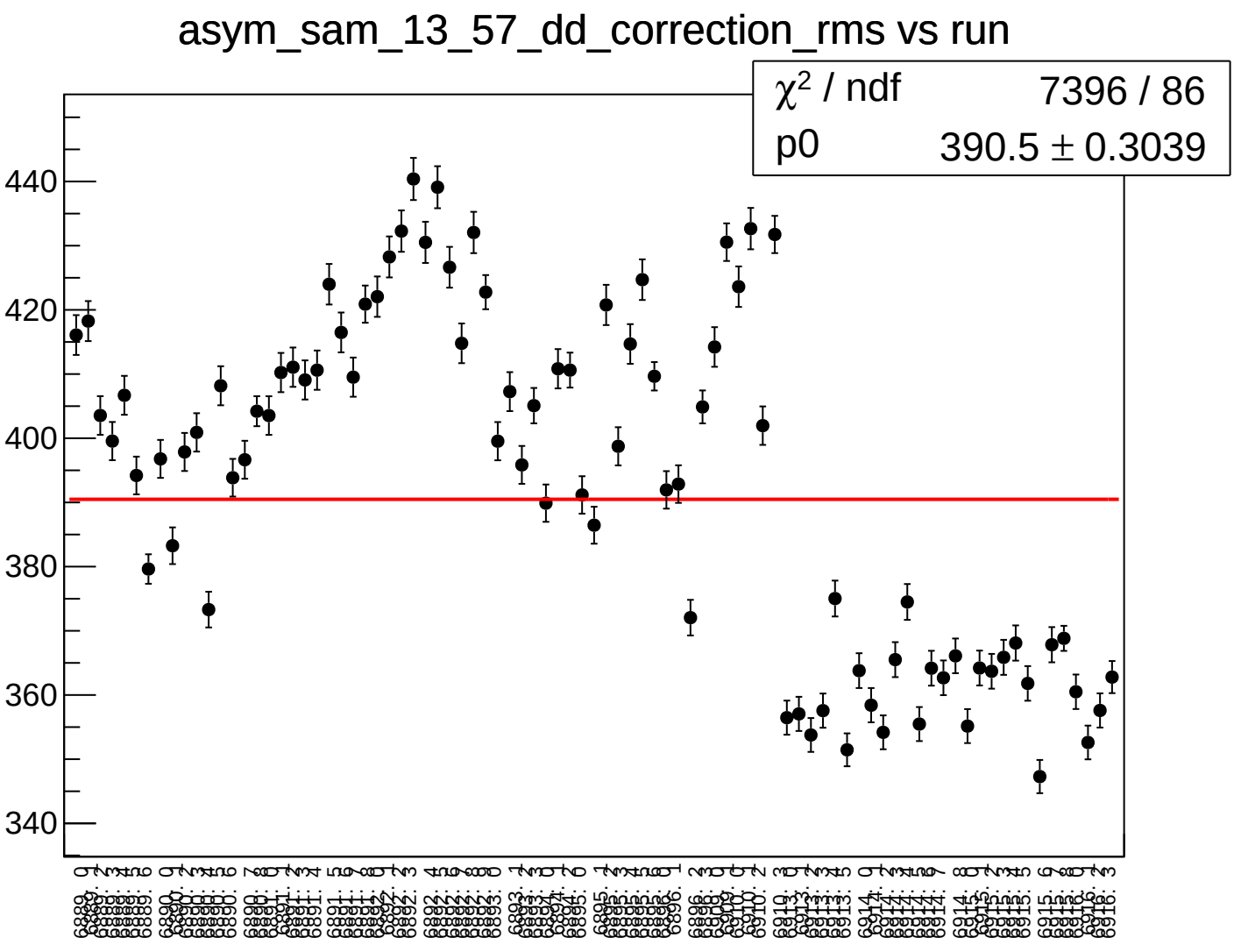

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 72.29 / 86
p0 117.7 ± 69.7
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −51.31
Std Dev 102.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

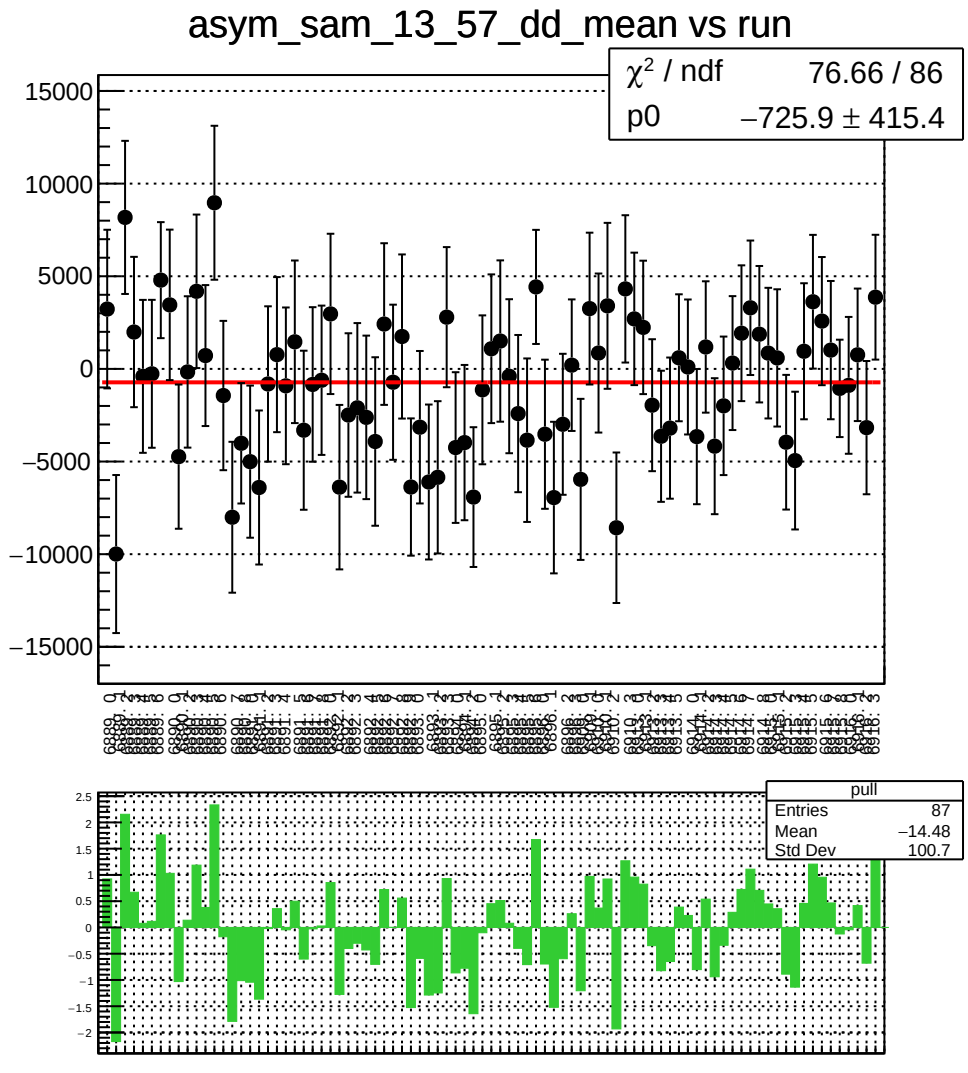

pull1D
Entries 87
Mean −0.01432
Std Dev 0.9114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

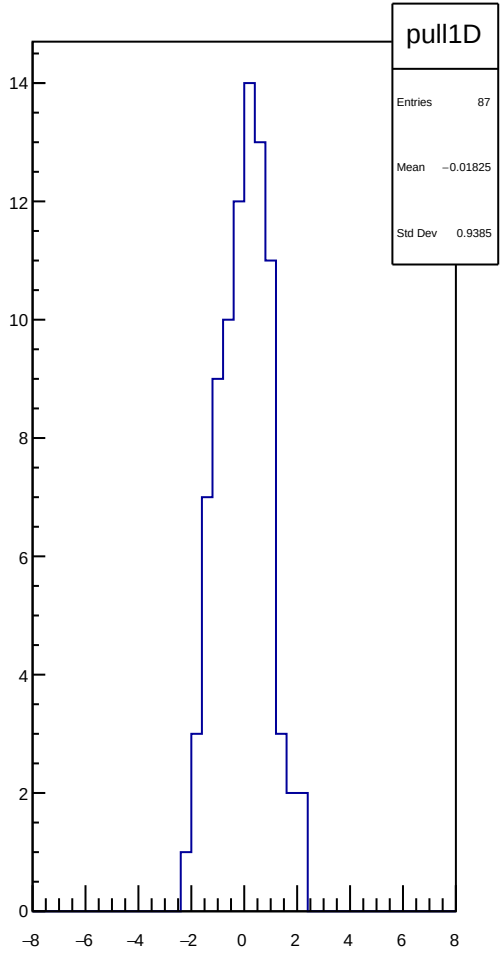

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 8976 / 86
p0 63.3 ± 0.04928
72
70
68
66
64
62
60
58
56
54
52

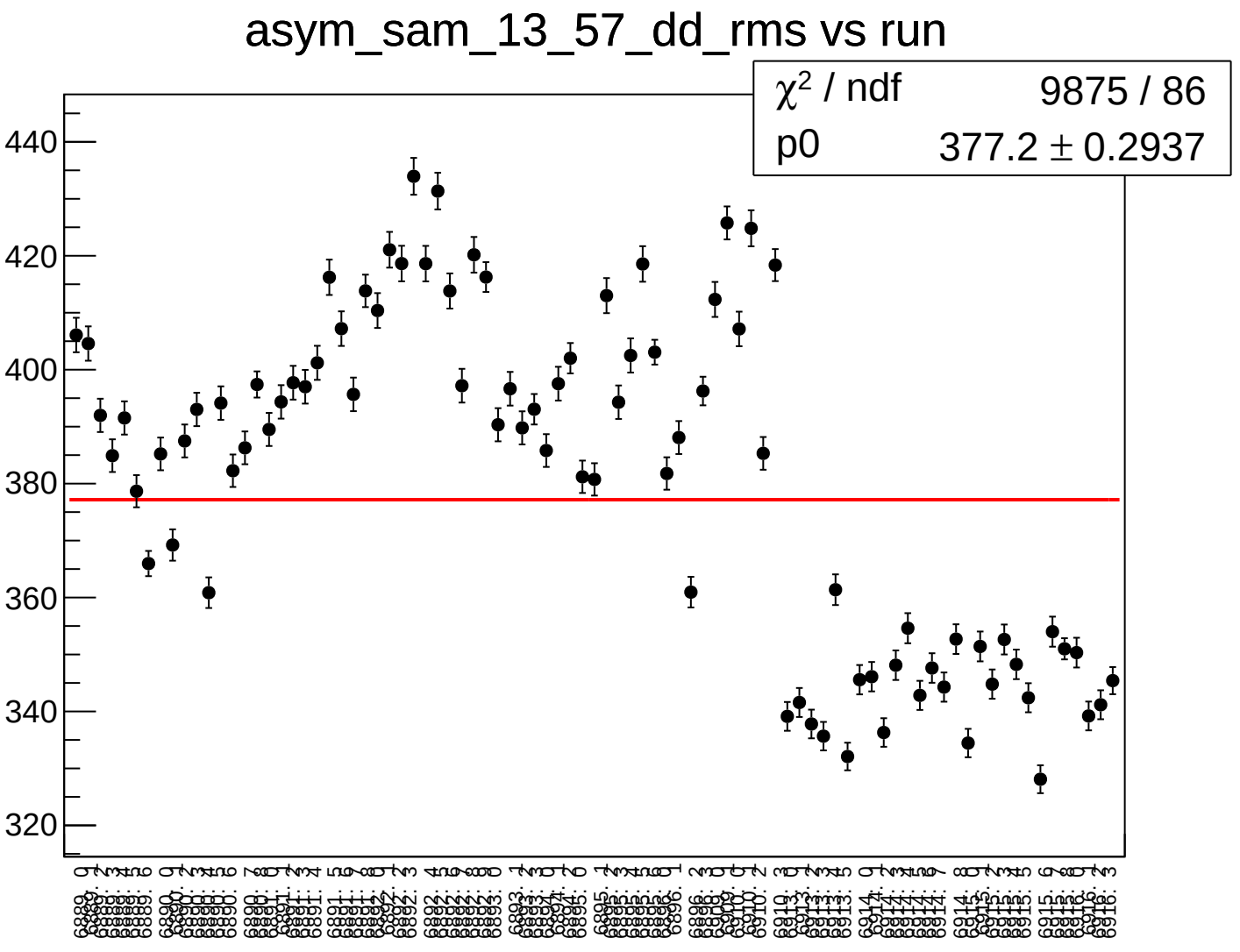

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 72.48 / 86
p0 896.7 ± 429.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −25.12
Std Dev 127.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

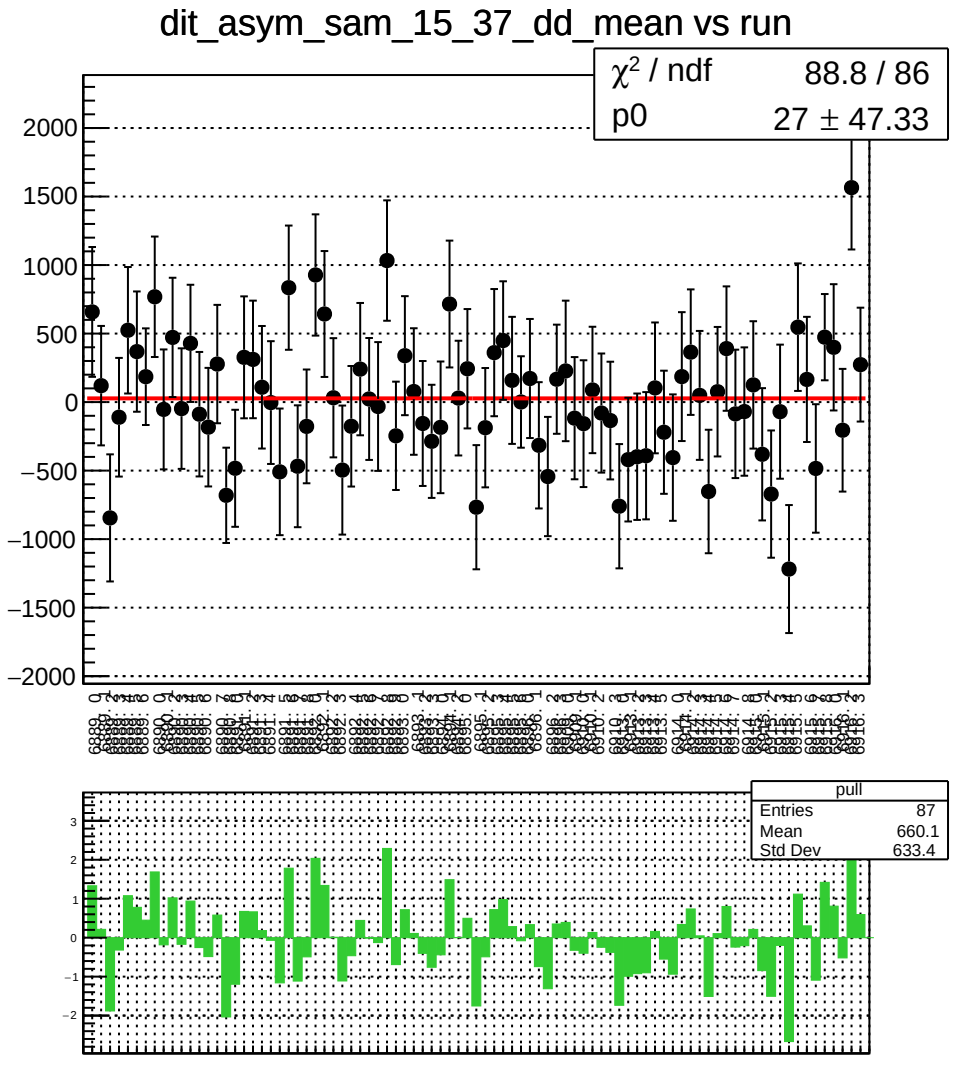

pull1D
Entries 87
Mean 0.0111
Std Dev 0.9127
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

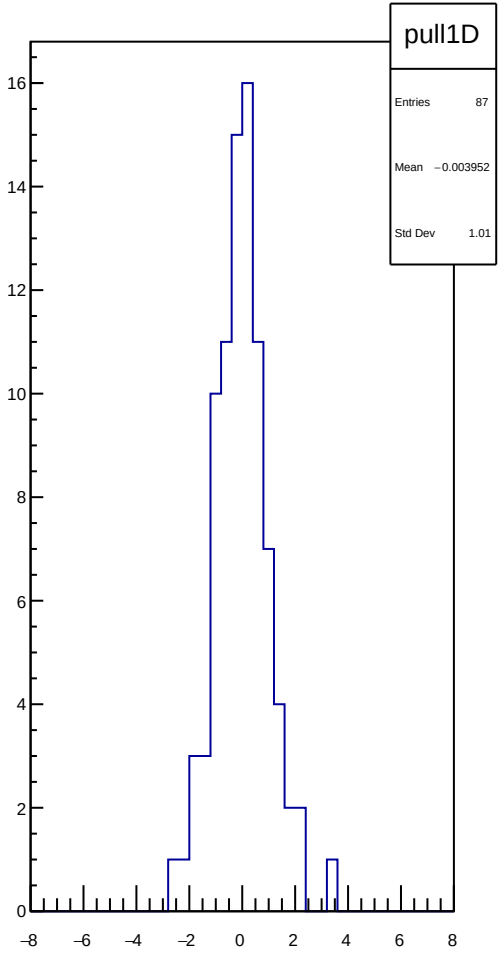

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 7396 / 86
p0 390.5 ± 0.3039
440
420
400
380
360
340

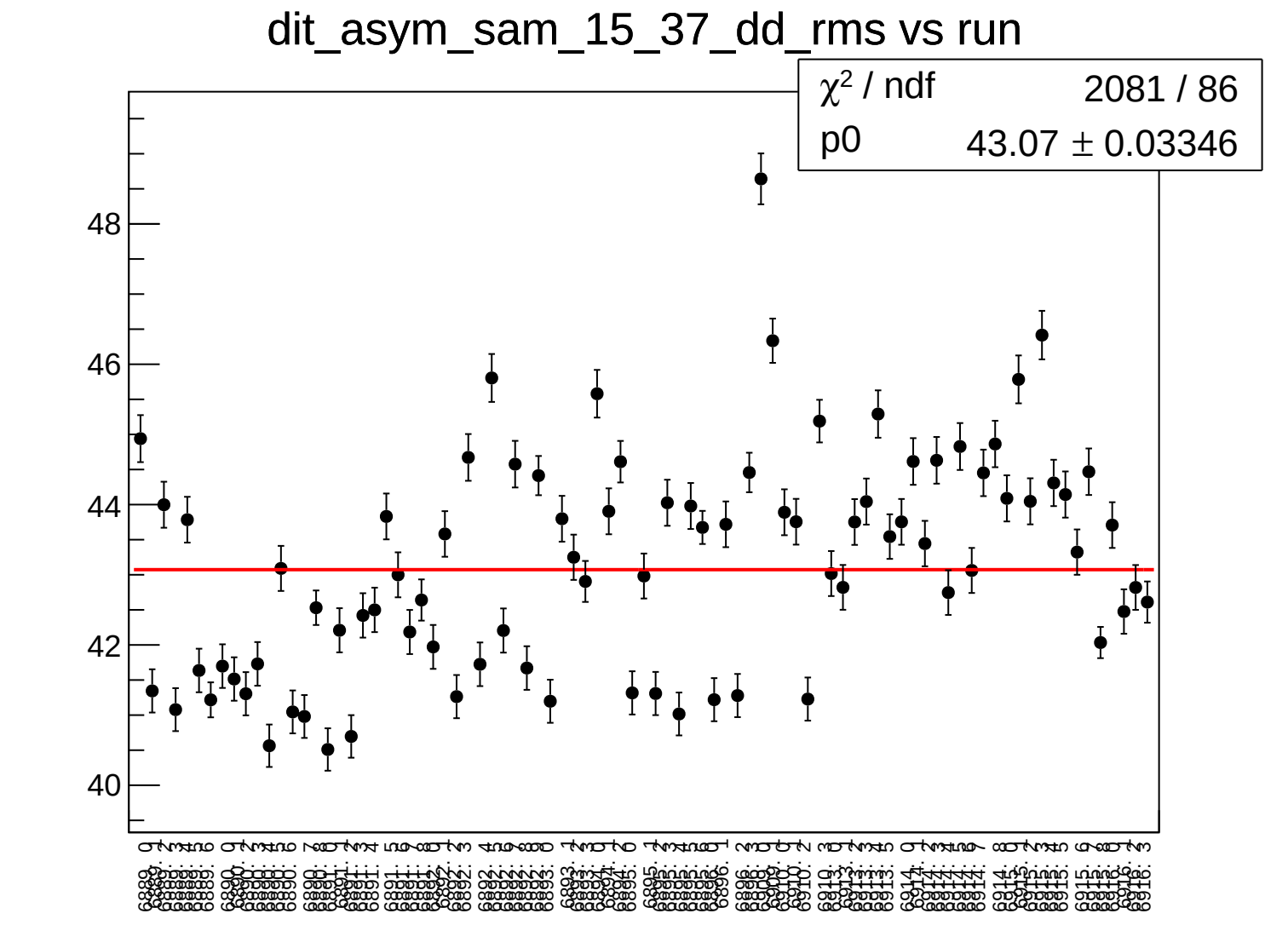

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.66 / 86
p0 −725.9 ± 415.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −14.48
Std Dev 100.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

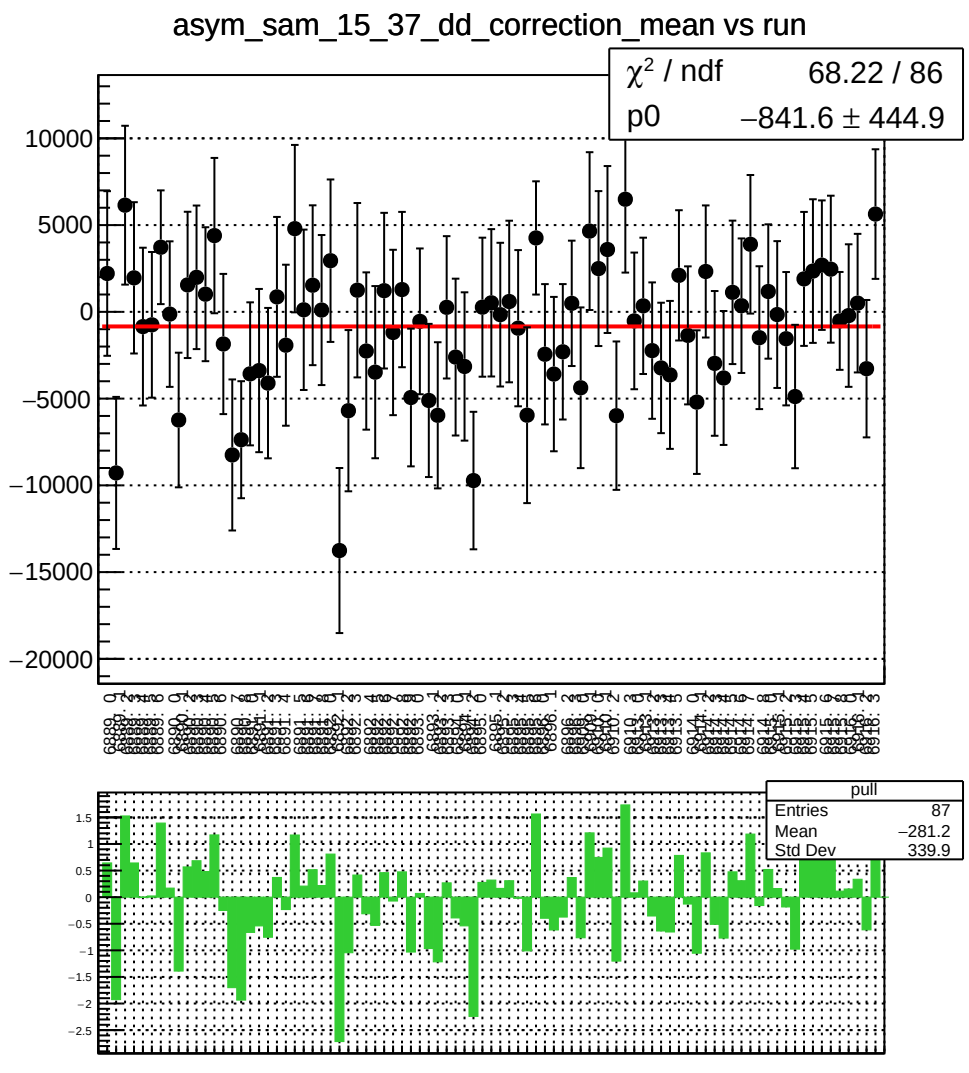

pull1D
Entries 87
Mean −0.01825
Std Dev 0.9385
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

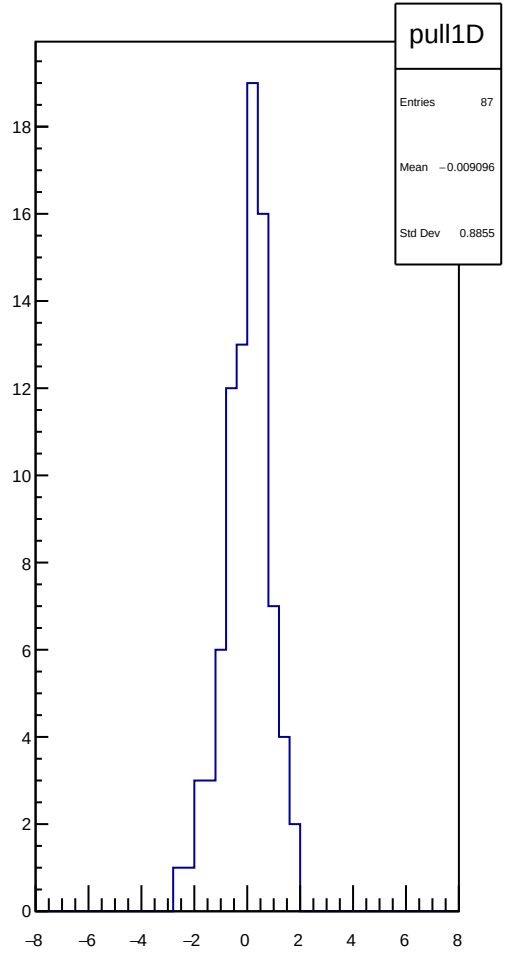

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 9875 / 86
p0 377.2 ± 0.2937
440
420
400
380
360
340
320

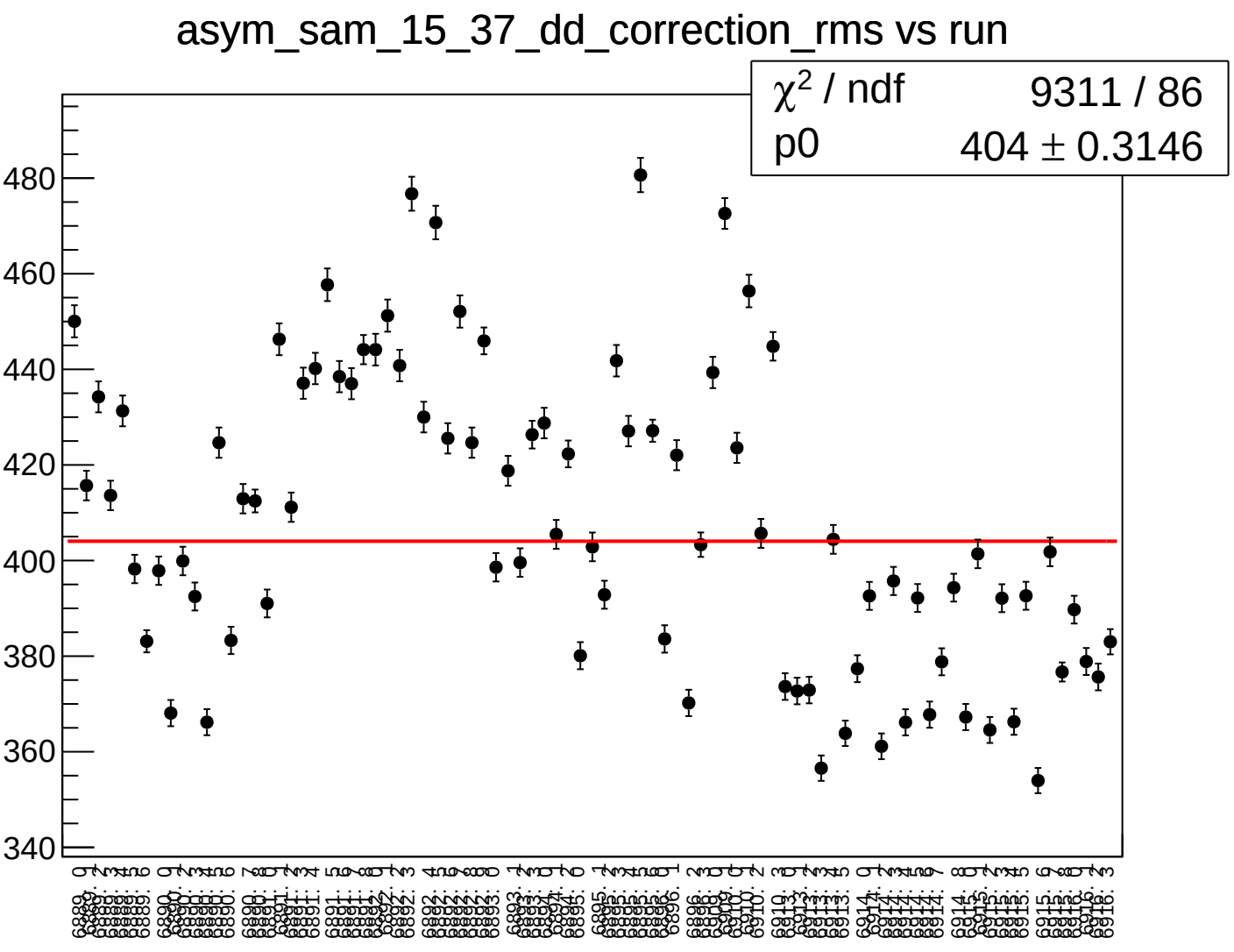

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 88.8 / 86
p0 27 ± 47.33
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 87
Mean 660.1
Std Dev 633.4
3
2
1
0
−1
−2

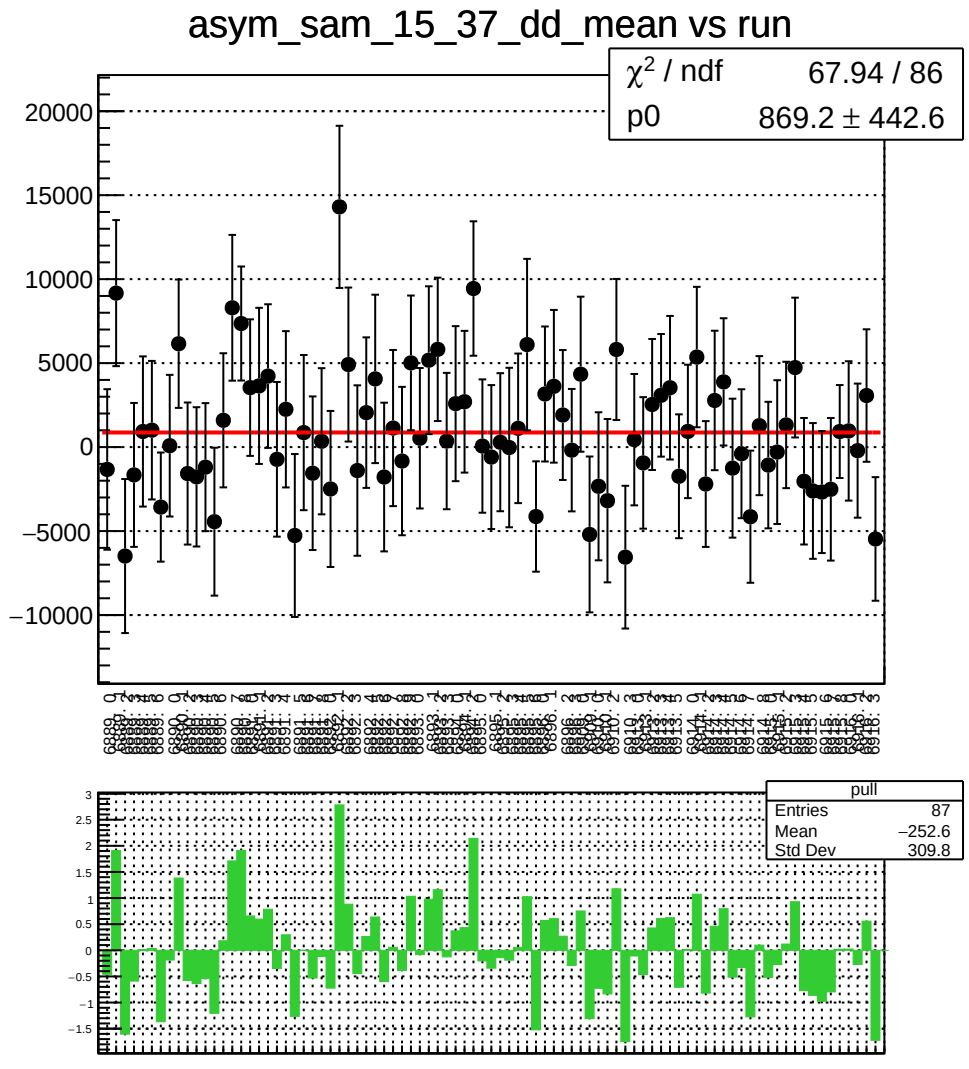

pull1D
Entries 87
Mean −0.003952
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

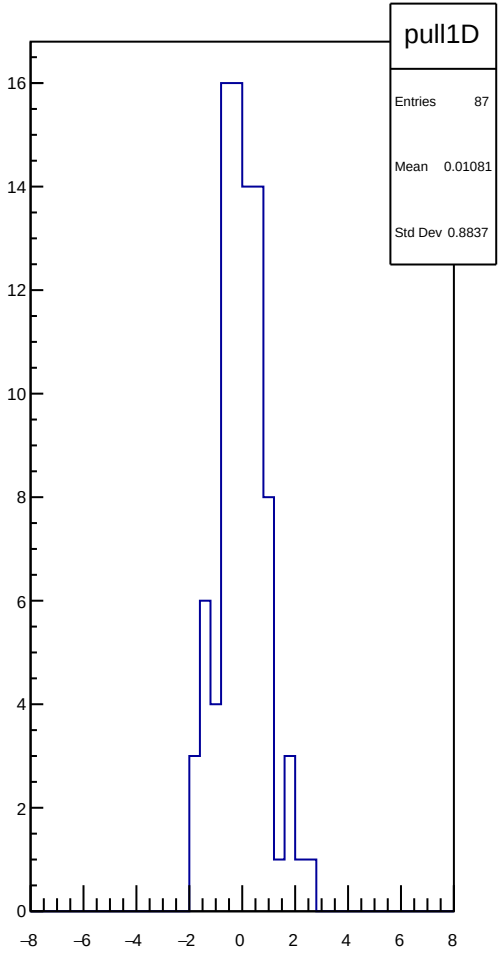

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2081 / 86
p0 43.07 ± 0.03346
48
46
44
42
40

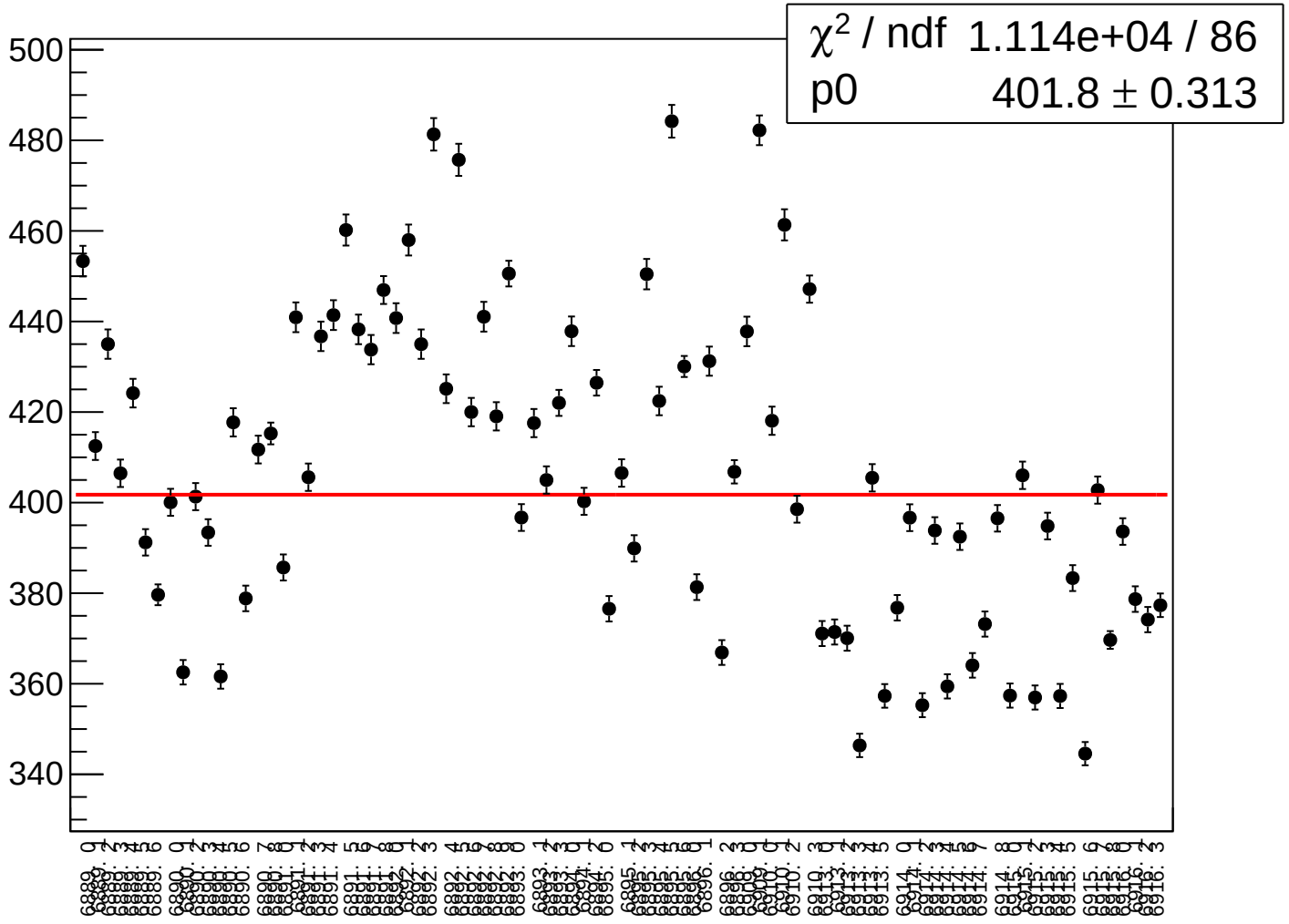

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 68.22 / 86
p0 −841.6 ± 444.9
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean −281.2
Std Dev 339.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

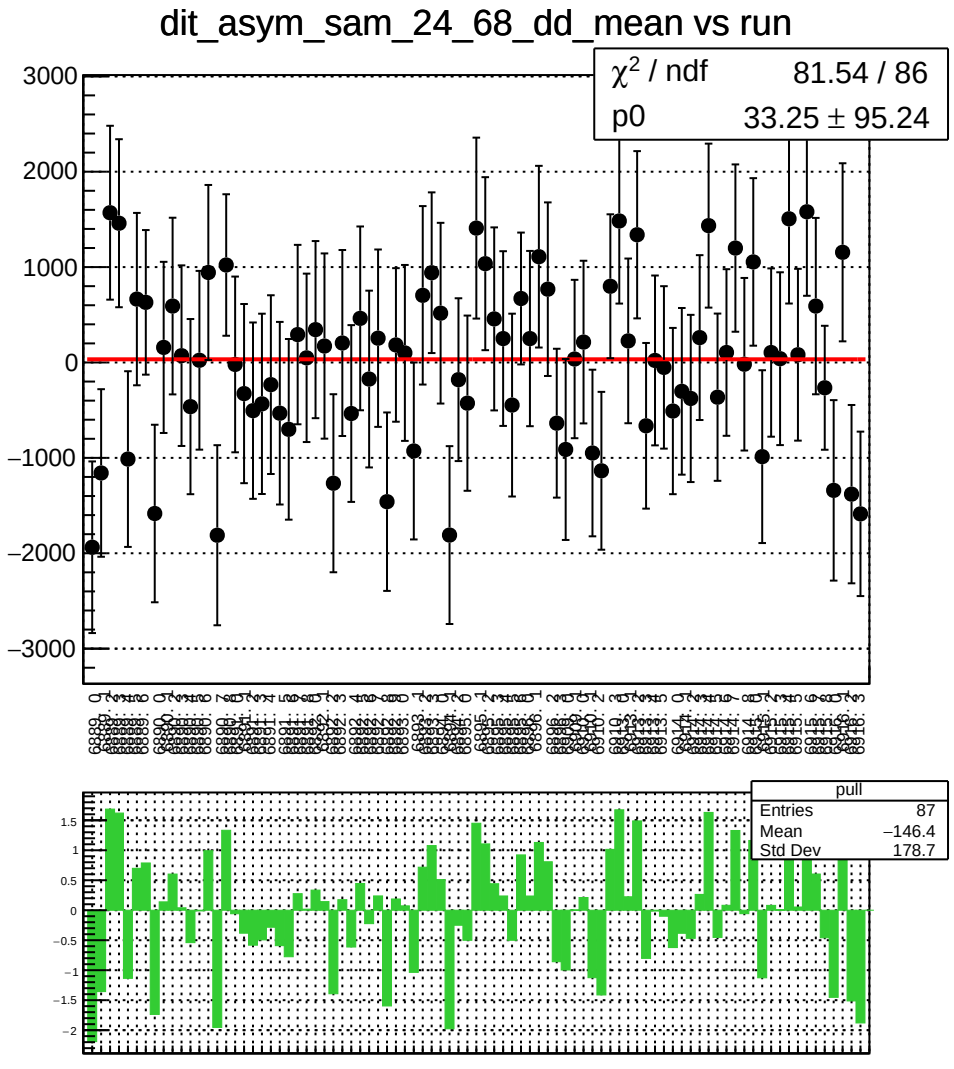

pull1D
Entries 87
Mean −0.009096
Std Dev 0.8855
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

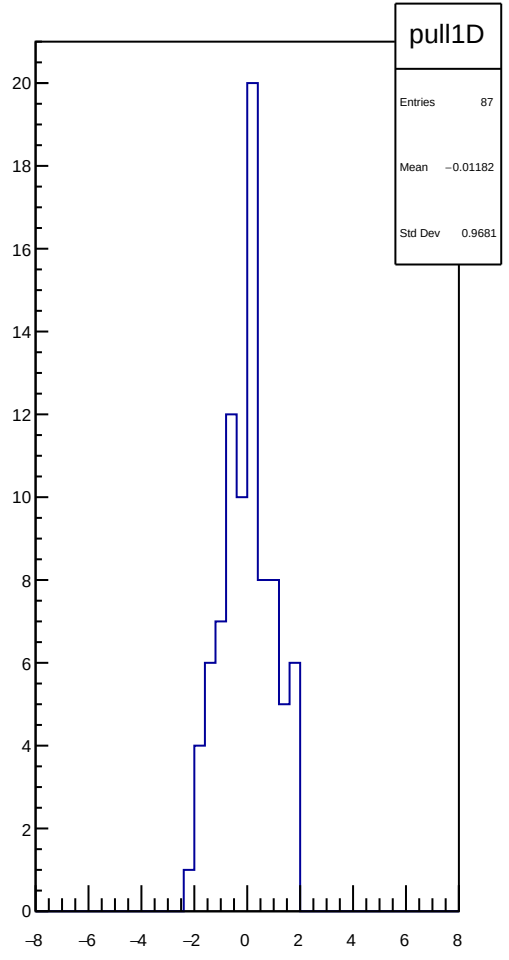

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 9311 / 86
p0 404 ± 0.3146
480
460
440
420
400
380
360
340

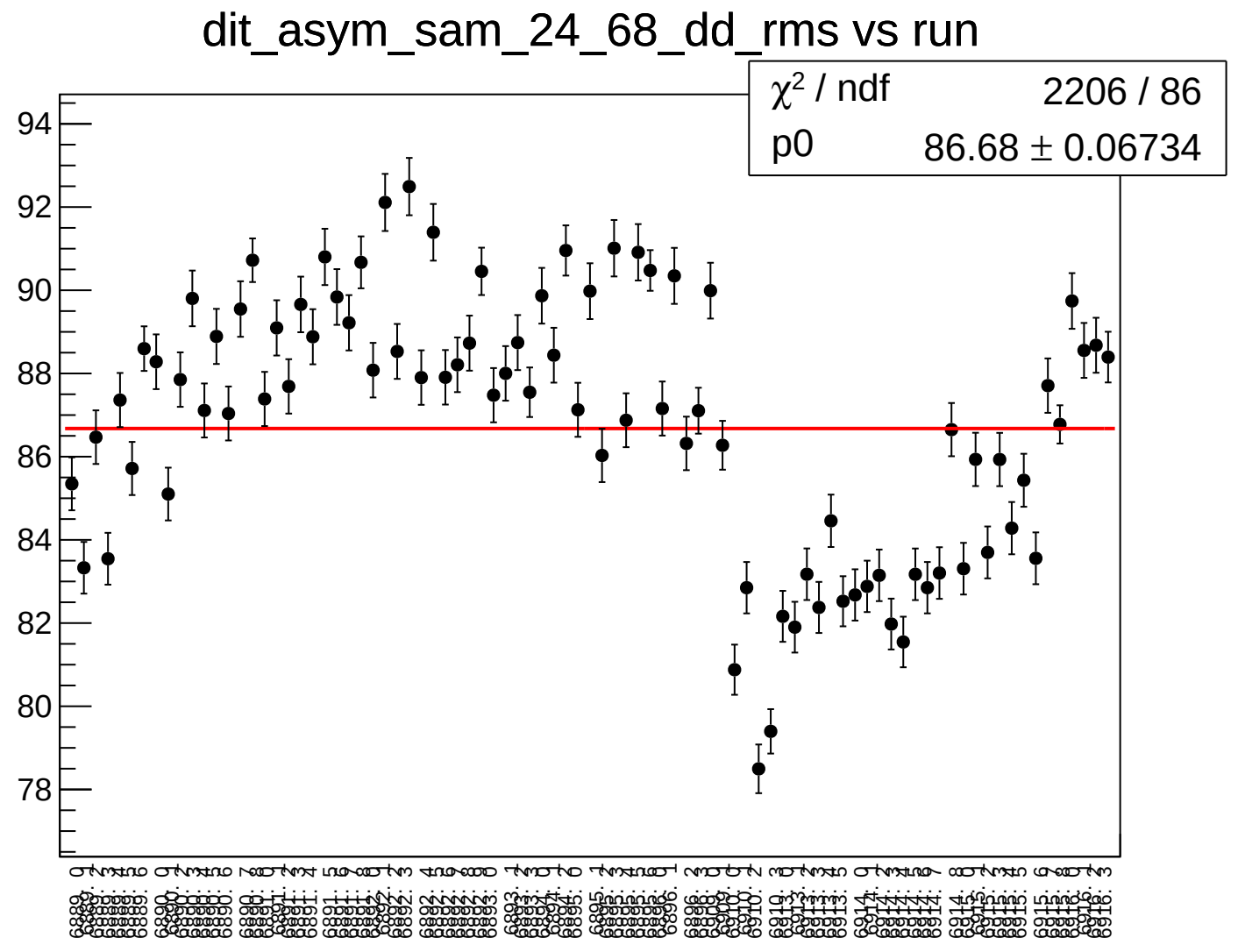

asym_sam_15_37_dd_mean vs run
χ² / ndf 67.94 / 86
p0 869.2 ± 442.6
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −252.6
Std Dev 309.8
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

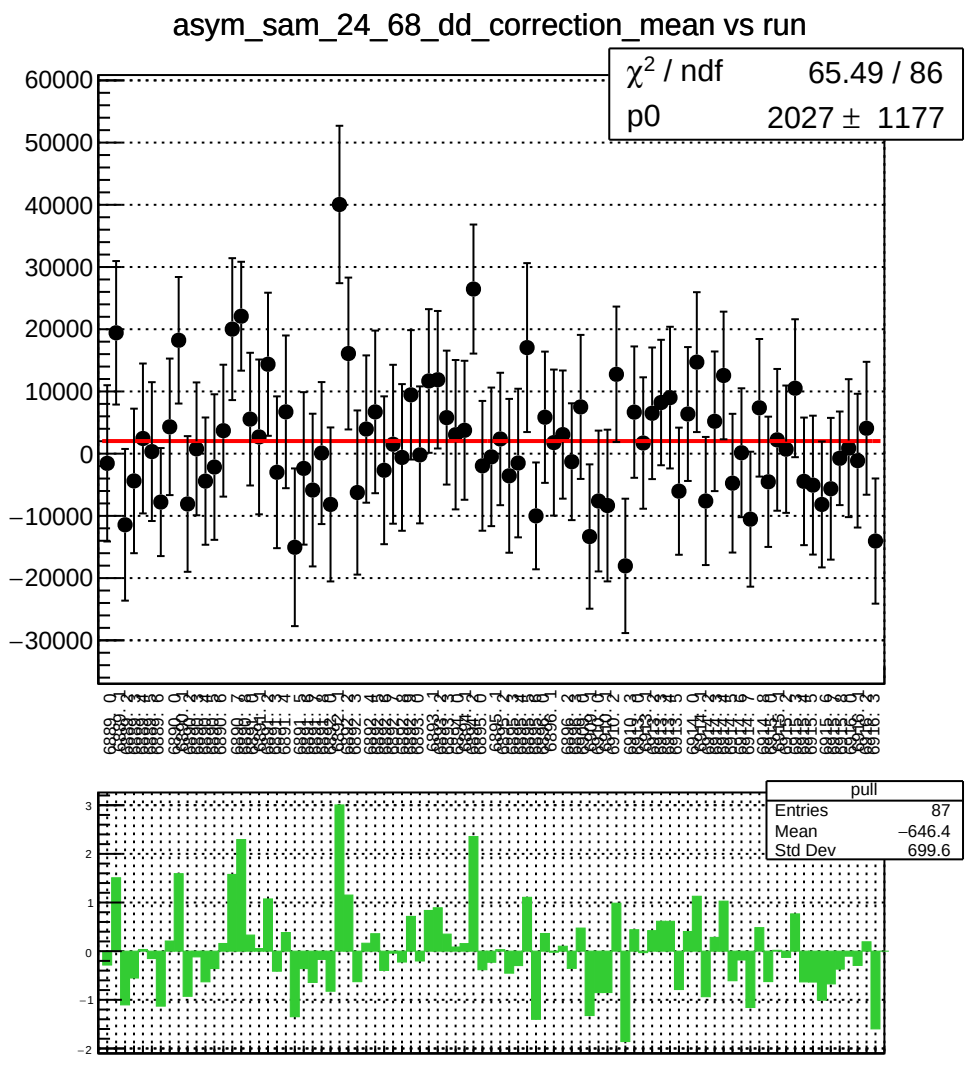

pull1D
Entries 87
Mean 0.01081
Std Dev 0.8837
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

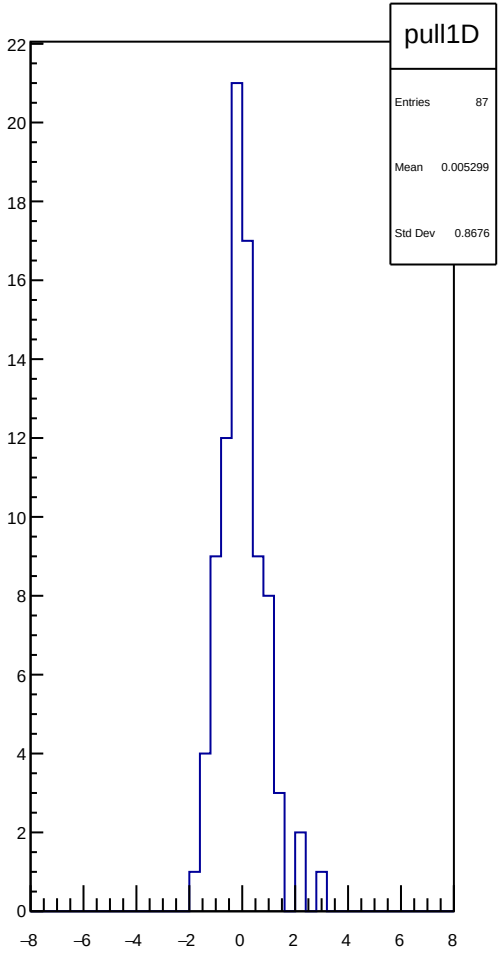

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.114e+04 / 86
p0 401.8 ± 0.313
500
480
460
440
420
400
380
360
340

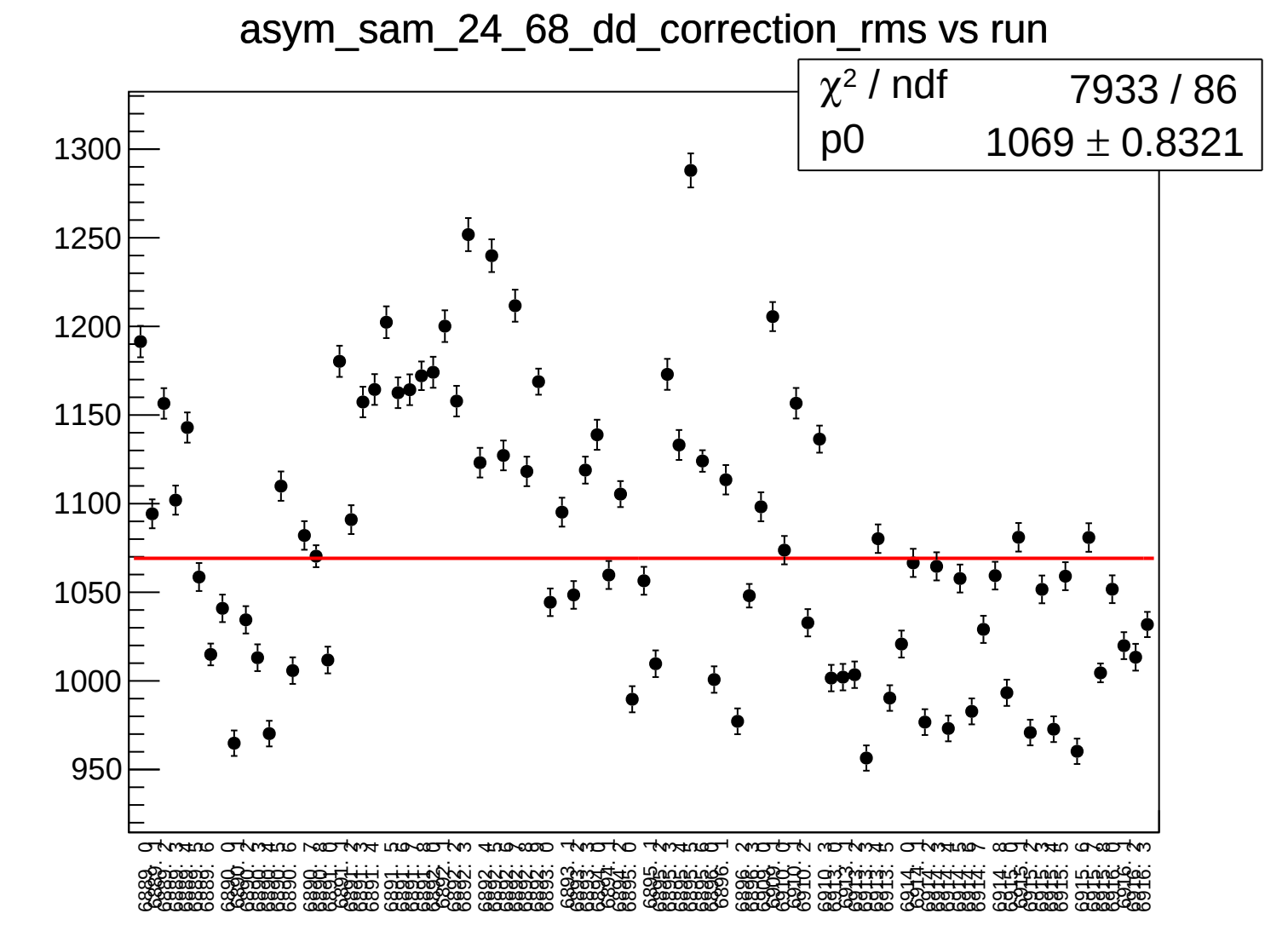

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 81.54 / 86
p0 33.25 ± 95.24
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −146.4
Std Dev 178.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

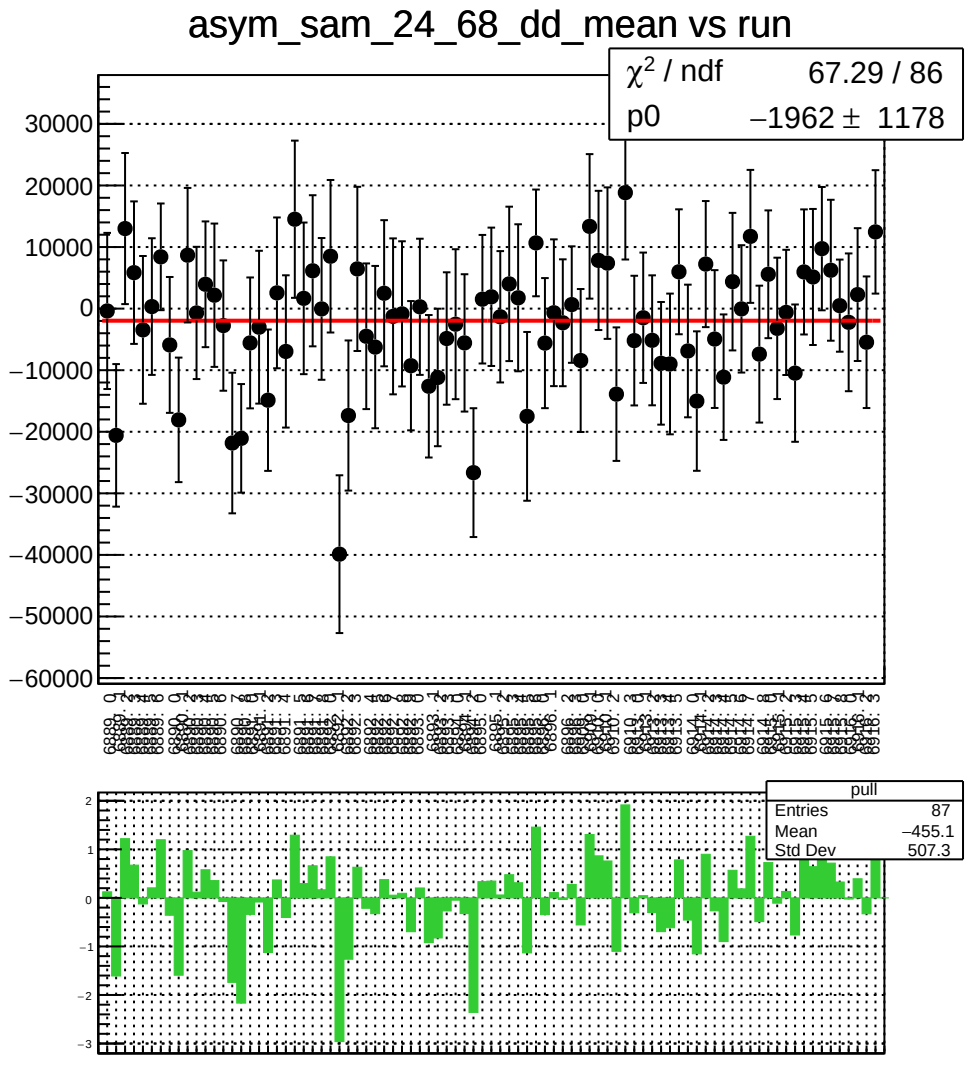

pull1D
Entries 87
Mean −0.01182
Std Dev 0.9681
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

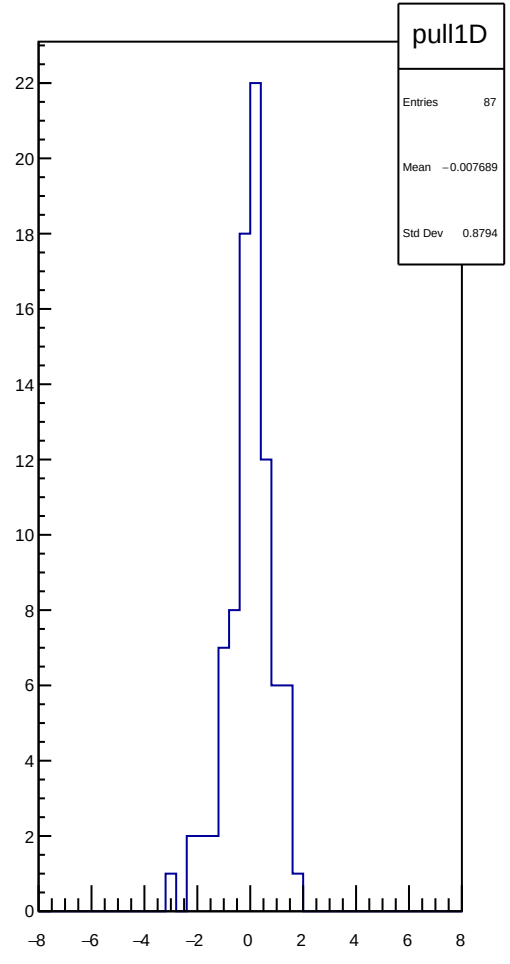

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2206 / 86
p0 86.68 ± 0.06734
94
92
90
88
86
84
82
80
78

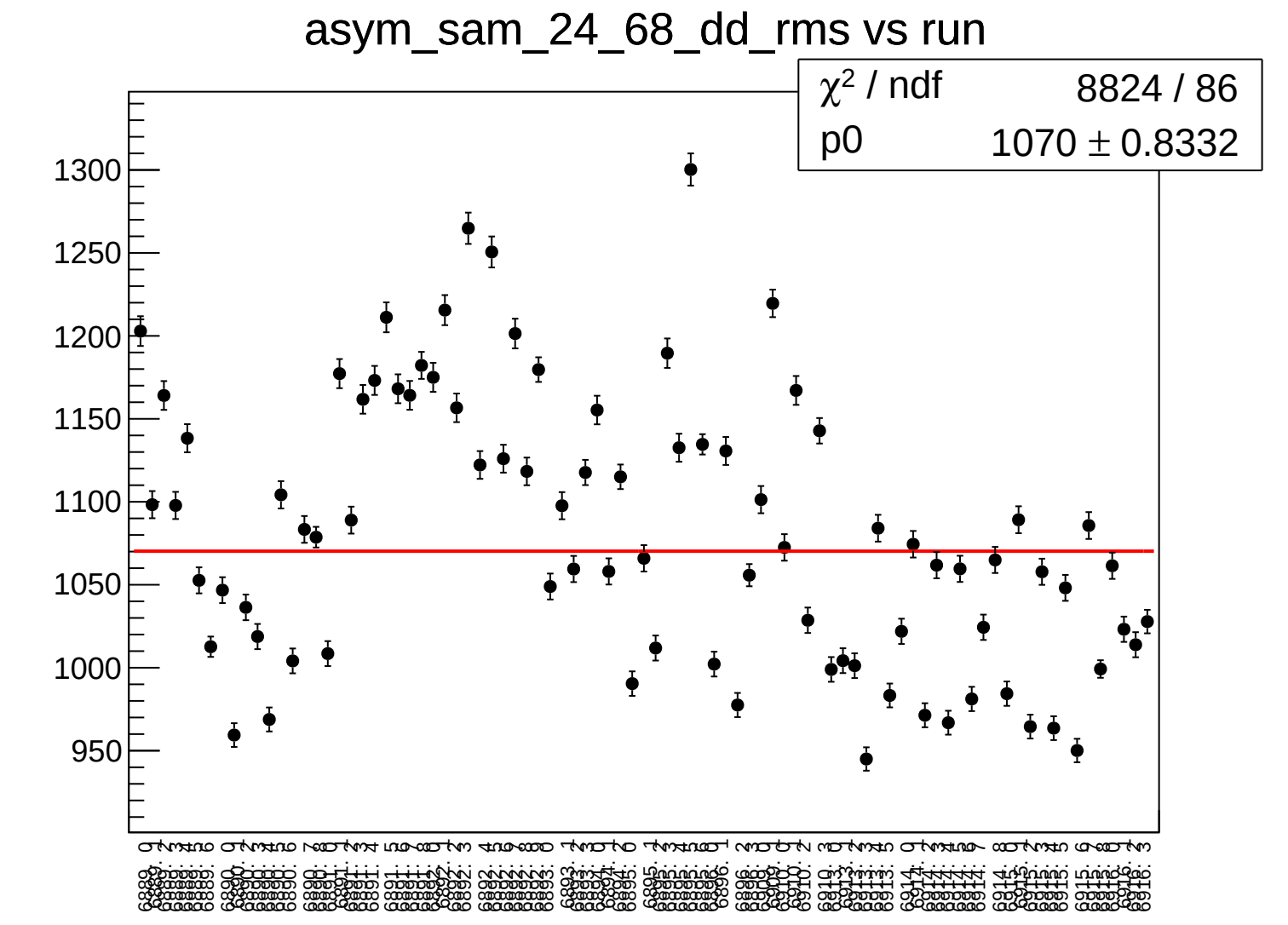

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 65.49 / 86
p0 2027 ± 1177
pull
Entries 87
Mean −646.4
Std Dev 699.6

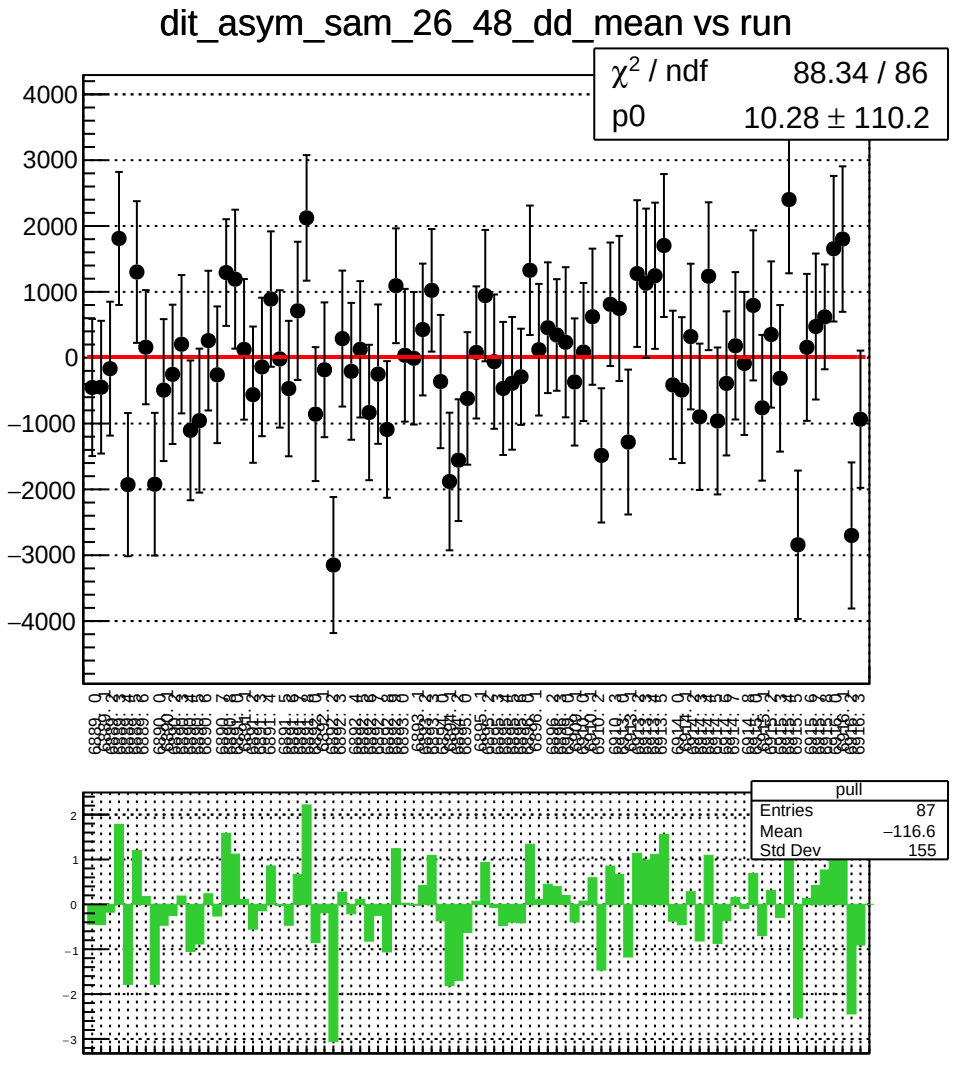

pull1D
Entries 87
Mean 0.005299
Std Dev 0.8676

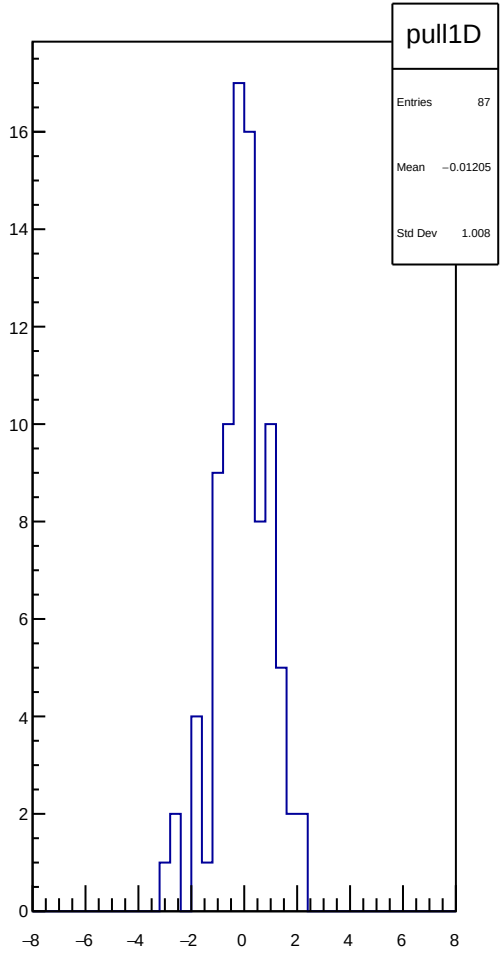

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 7933 / 86
p0 1069 ± 0.8321
1300
1250
1200
1150
1100
1050
1000
950

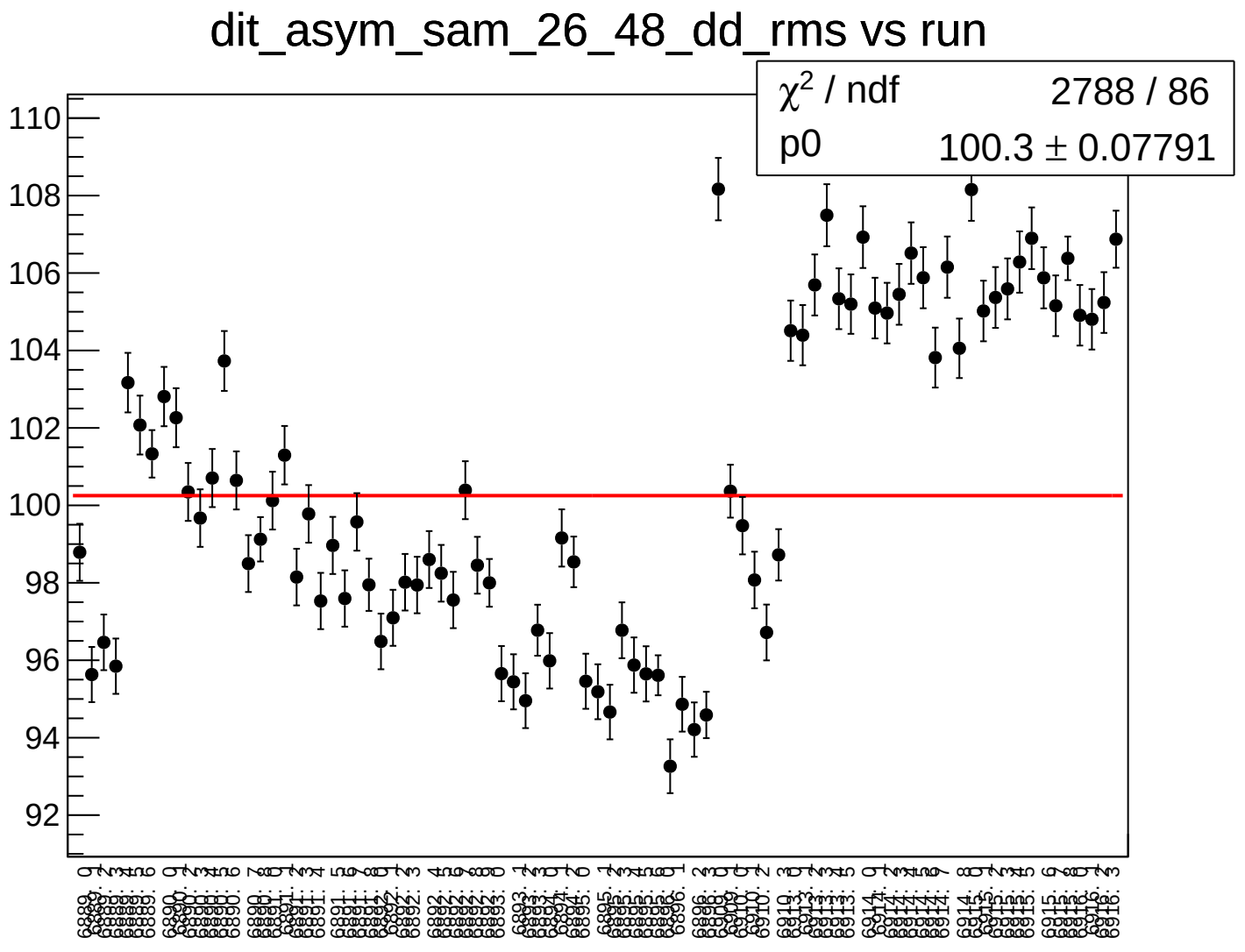

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 67.29 / 86
p0 −1962 ± 1178
pull
Entries 87
Mean −455.1
Std Dev 507.3

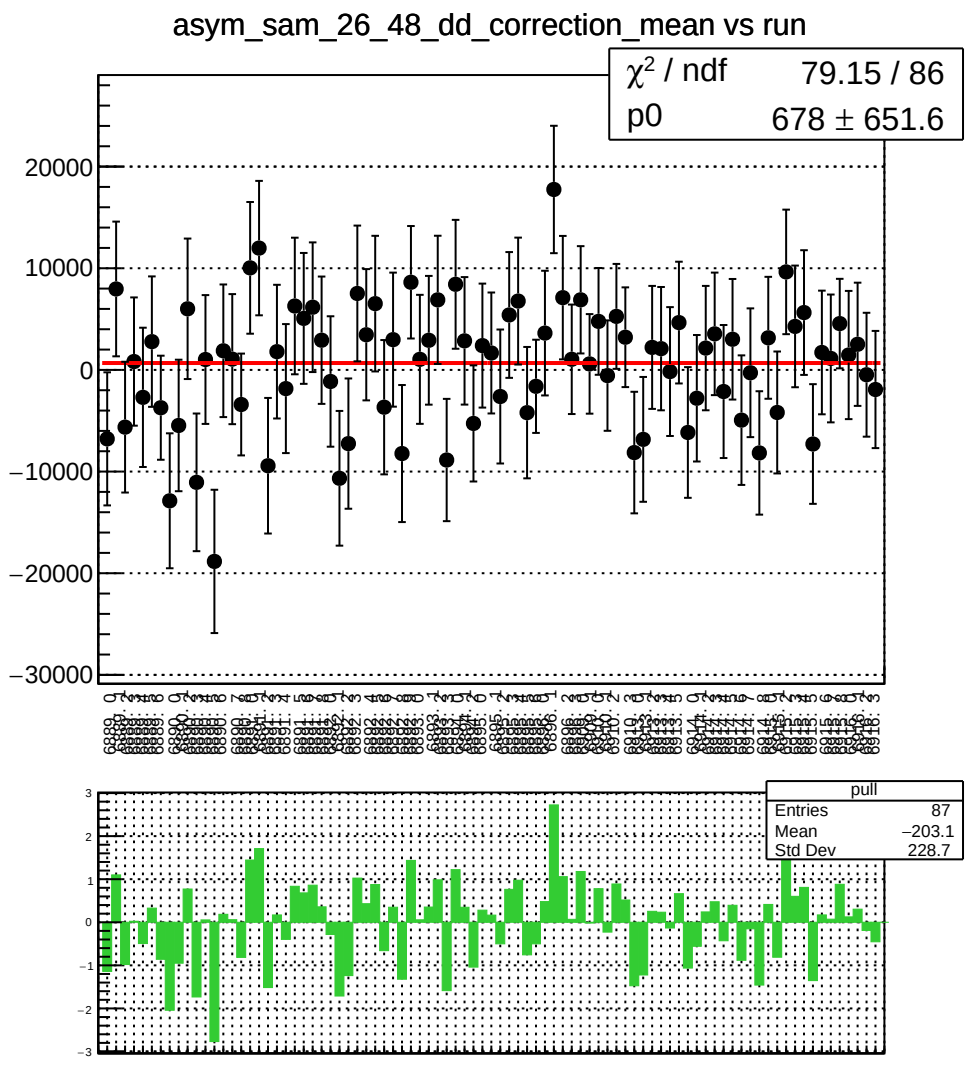

pull1D
Entries 87
Mean −0.007689
Std Dev 0.8794

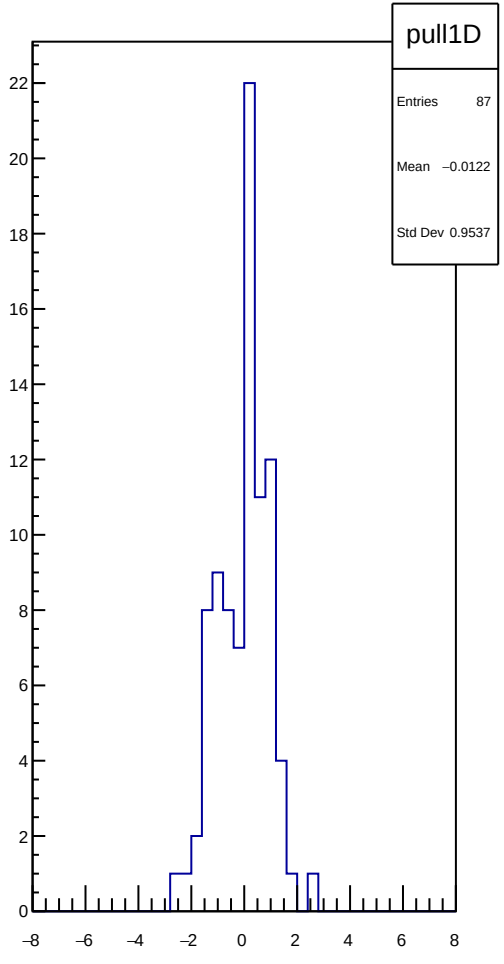

asym_sam_24_68_dd_rms vs run
χ² / ndf 8824 / 86
p0 1070 ± 0.8332
1300
1250
1200
1150
1100
1050
1000
950

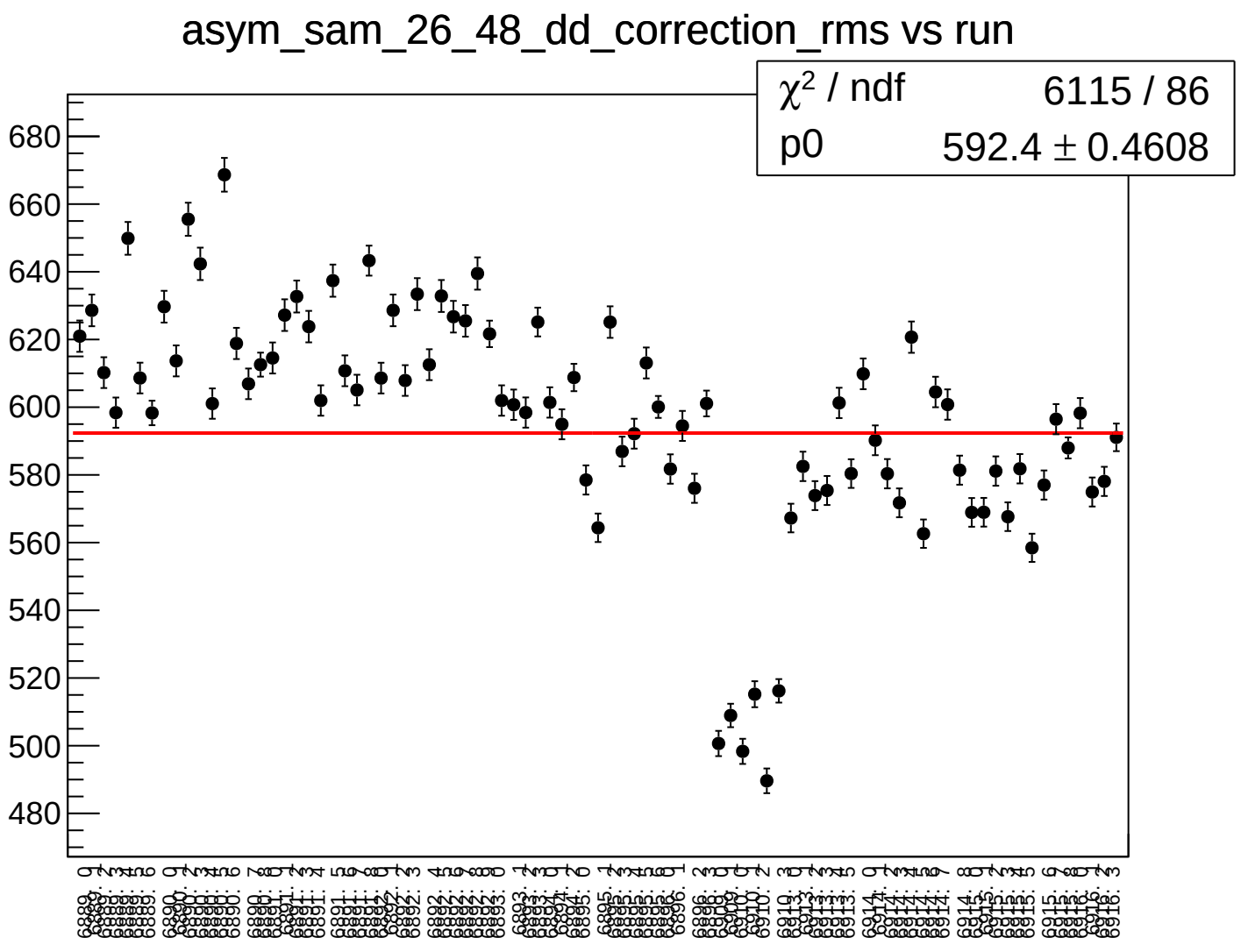

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 88.34 / 86
p0 10.28 ± 110.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 87
Mean −116.6
Std Dev 155
2
1
0
−1
−2
−3

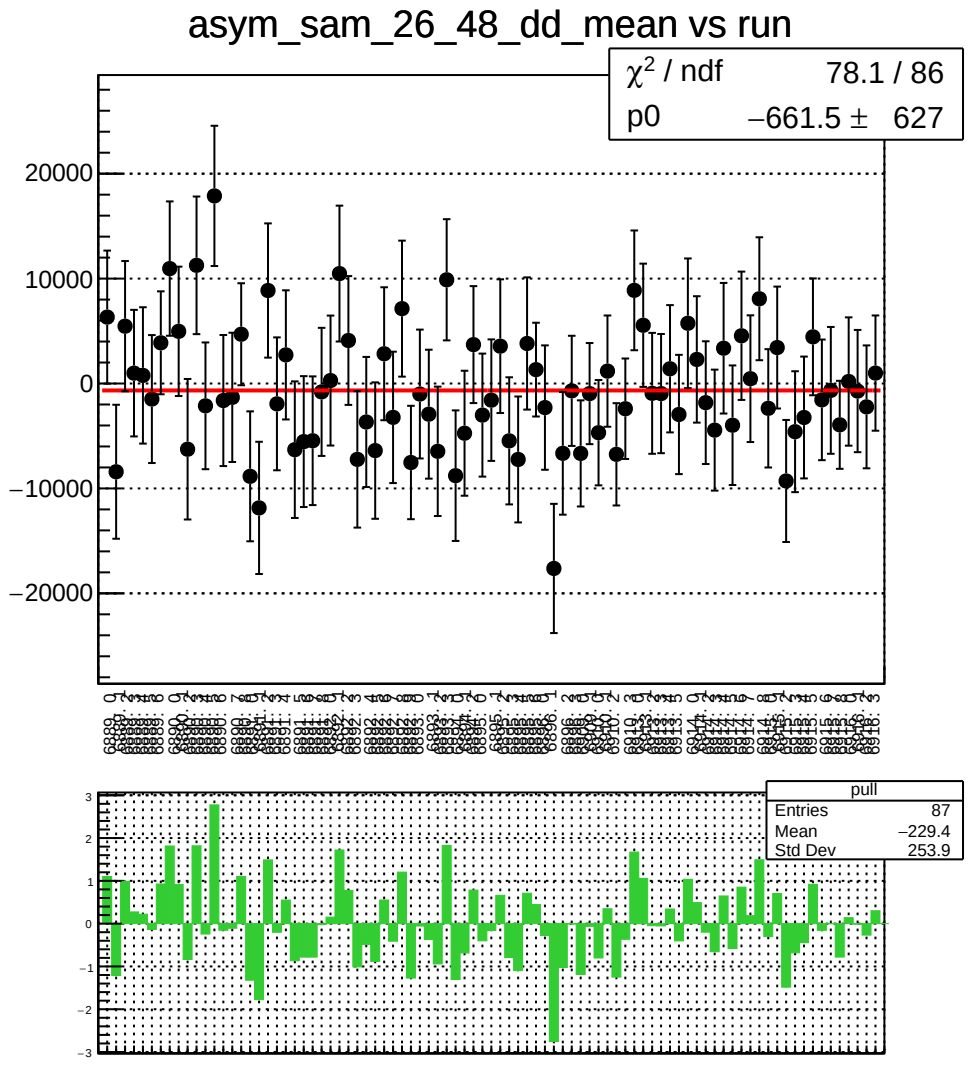

pull1D
Entries 87
Mean −0.01205
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

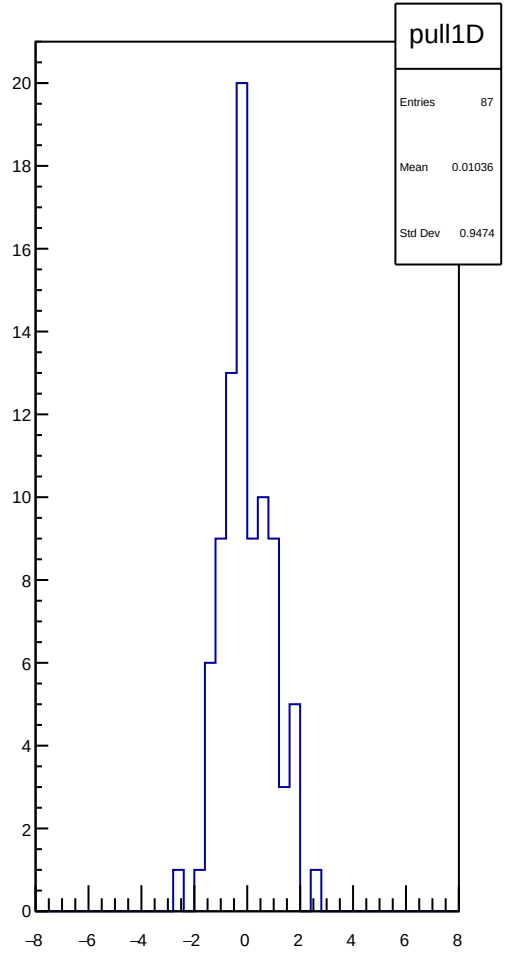

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2788 / 86
p0 100.3 ± 0.07791
110
108
106
104
102
100
98
96
94
92

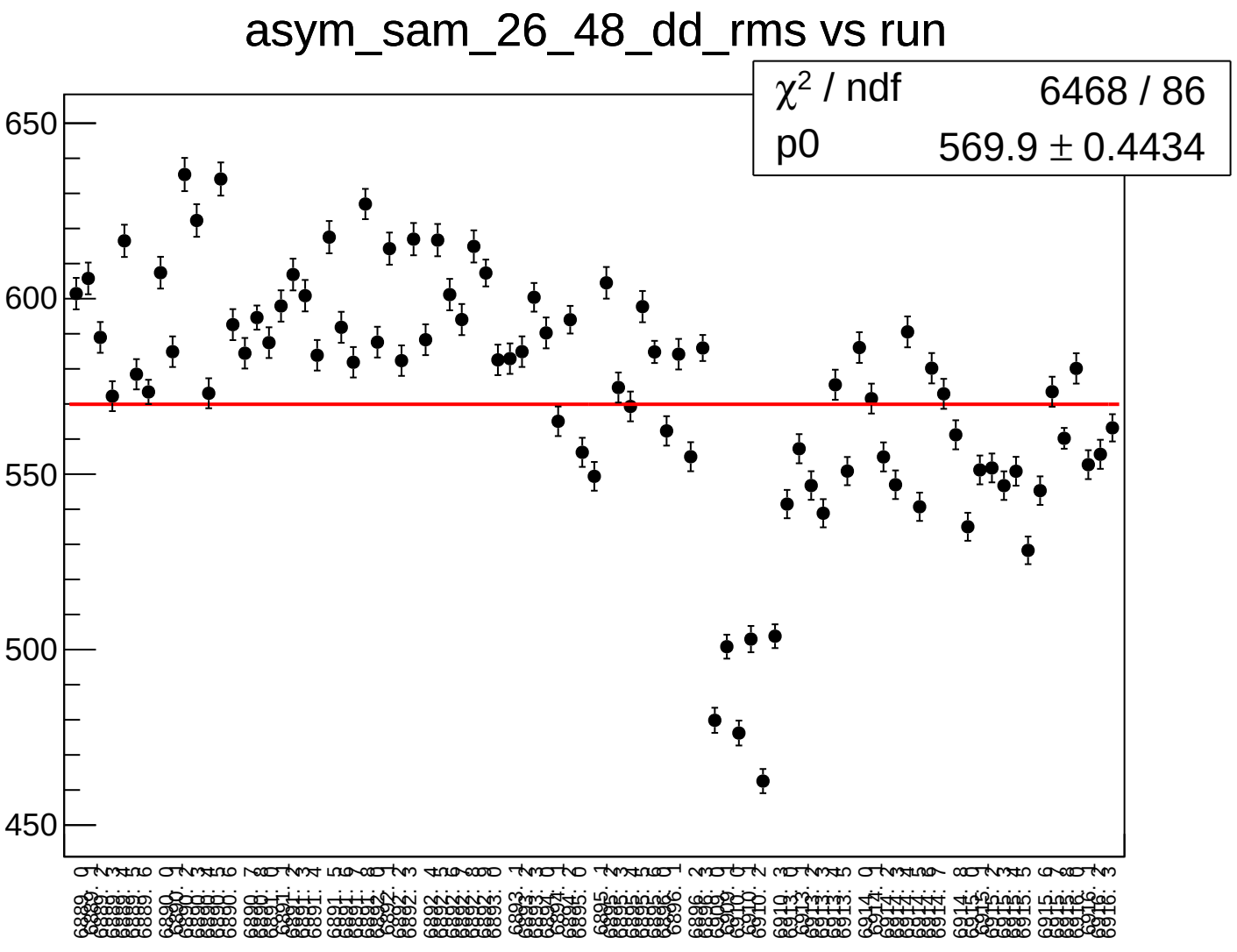

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 79.15 / 86
p0 678 ± 651.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −203.1
Std Dev 228.7
3
2
1
0
−1
−2
−3

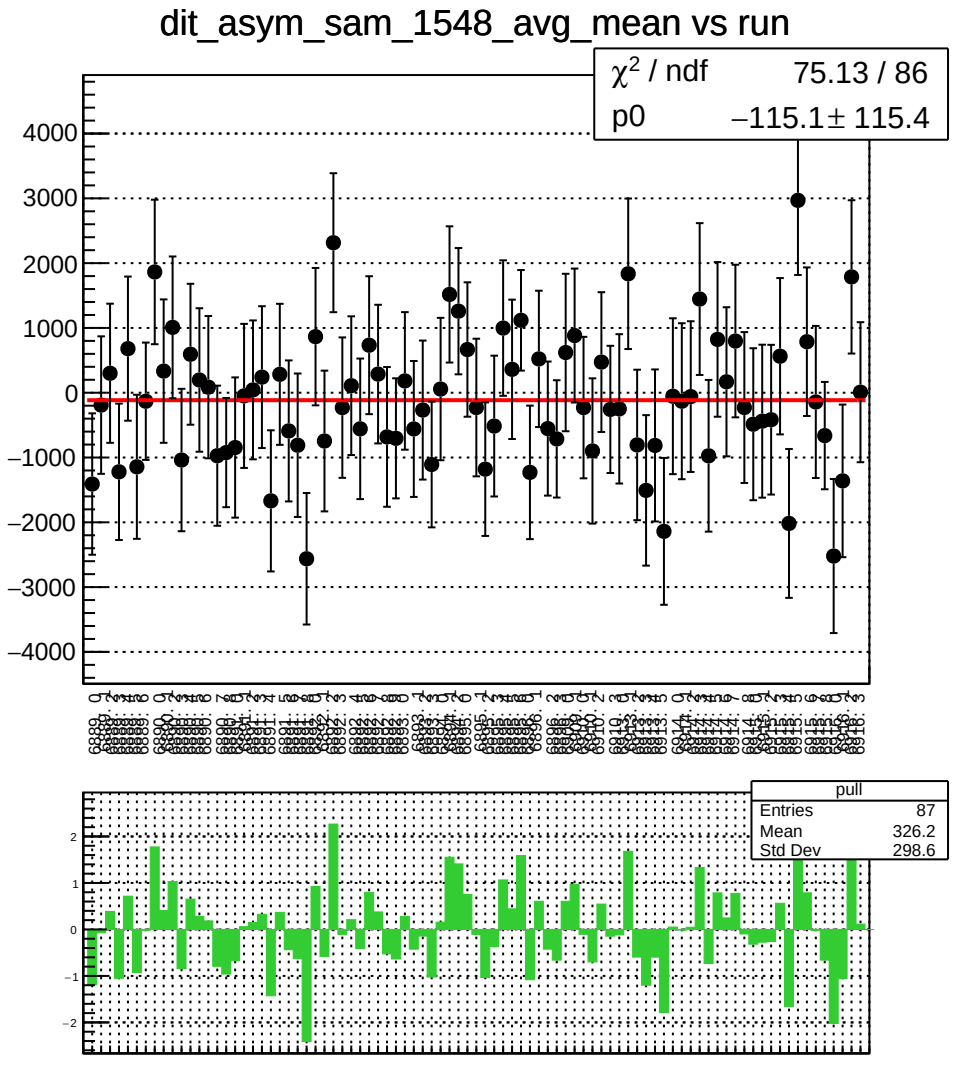

pull1D
Entries 87
Mean −0.0122
Std Dev 0.9537
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

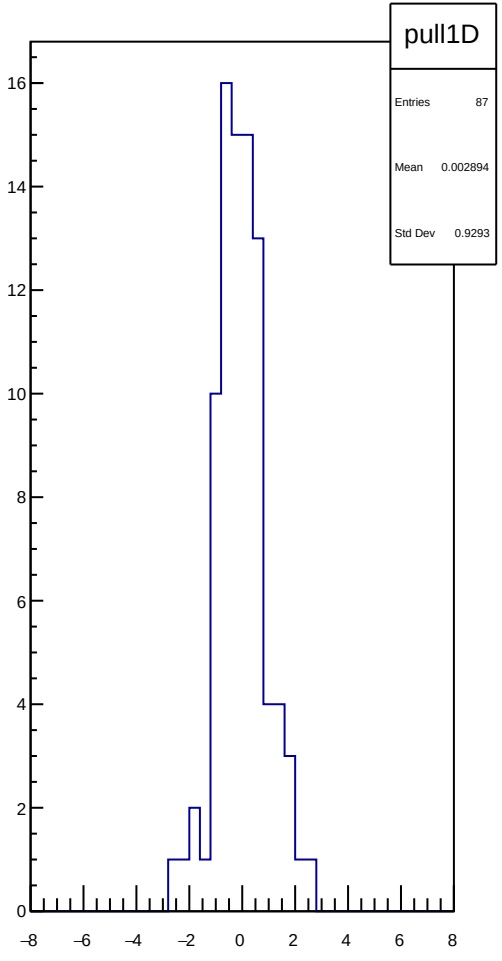

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 6115 / 86
p0 592.4 ± 0.4608
680
660
640
620
600
580
560
540
520
500
480

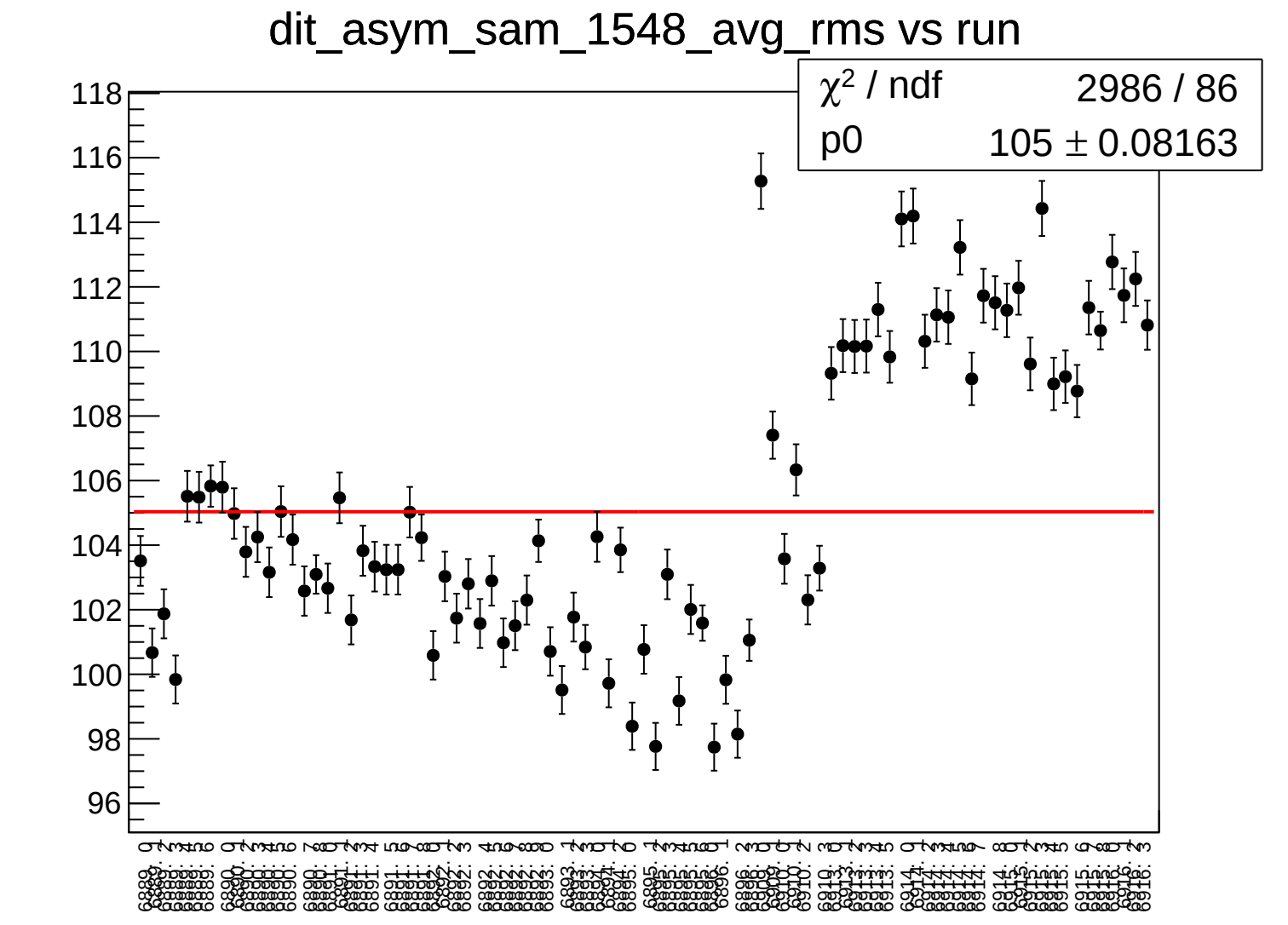

asym_sam_26_48_dd_mean vs run
χ² / ndf 78.1 / 86
p0 −661.5 ± 627
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −229.4
Std Dev 253.9
3
2
1
0
−1
−2
−3

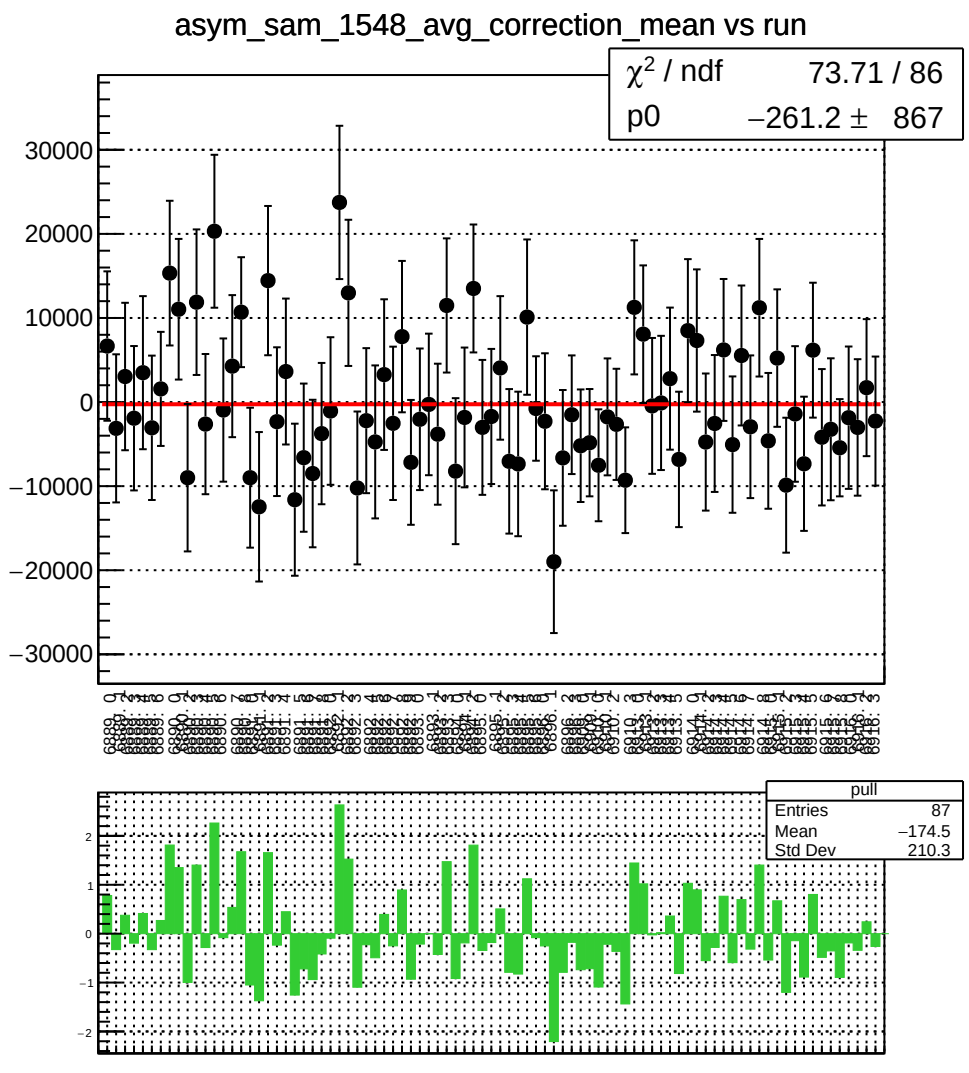

pull1D
Entries 87
Mean 0.01036
Std Dev 0.9474
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

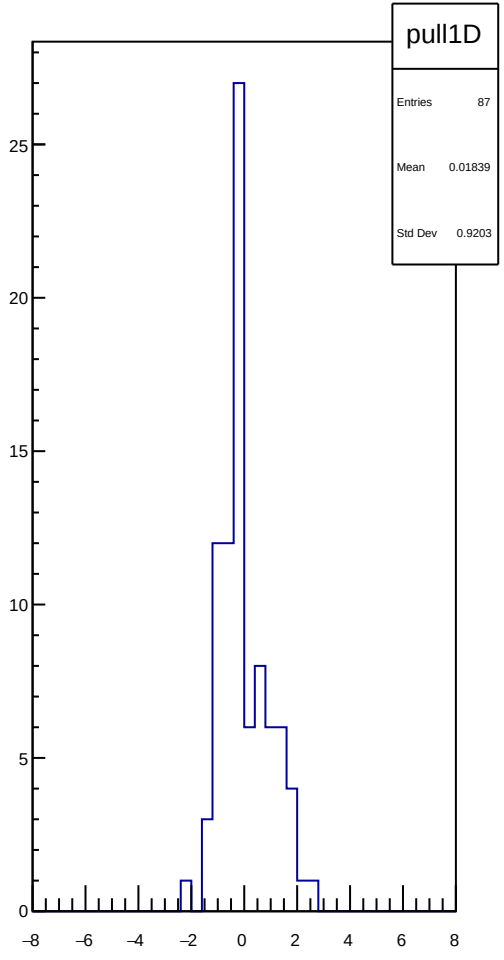

asym_sam_26_48_dd_rms vs run
χ² / ndf 6468 / 86
p0 569.9 ± 0.4434
650
600
550
500
450

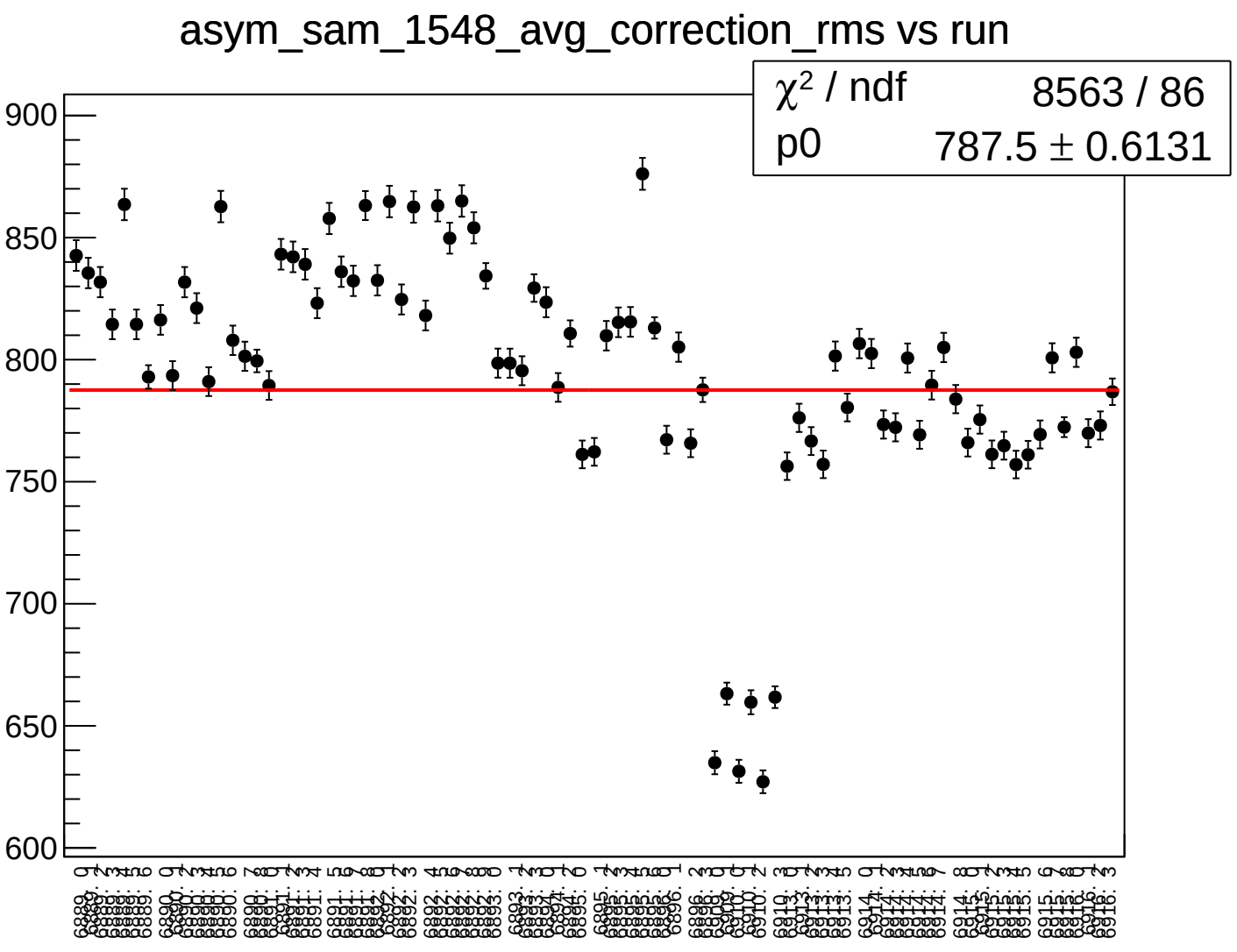

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 75.13 / 86
p0 −115.1± 115.4
pull
Entries 87
Mean 326.2
Std Dev 298.6

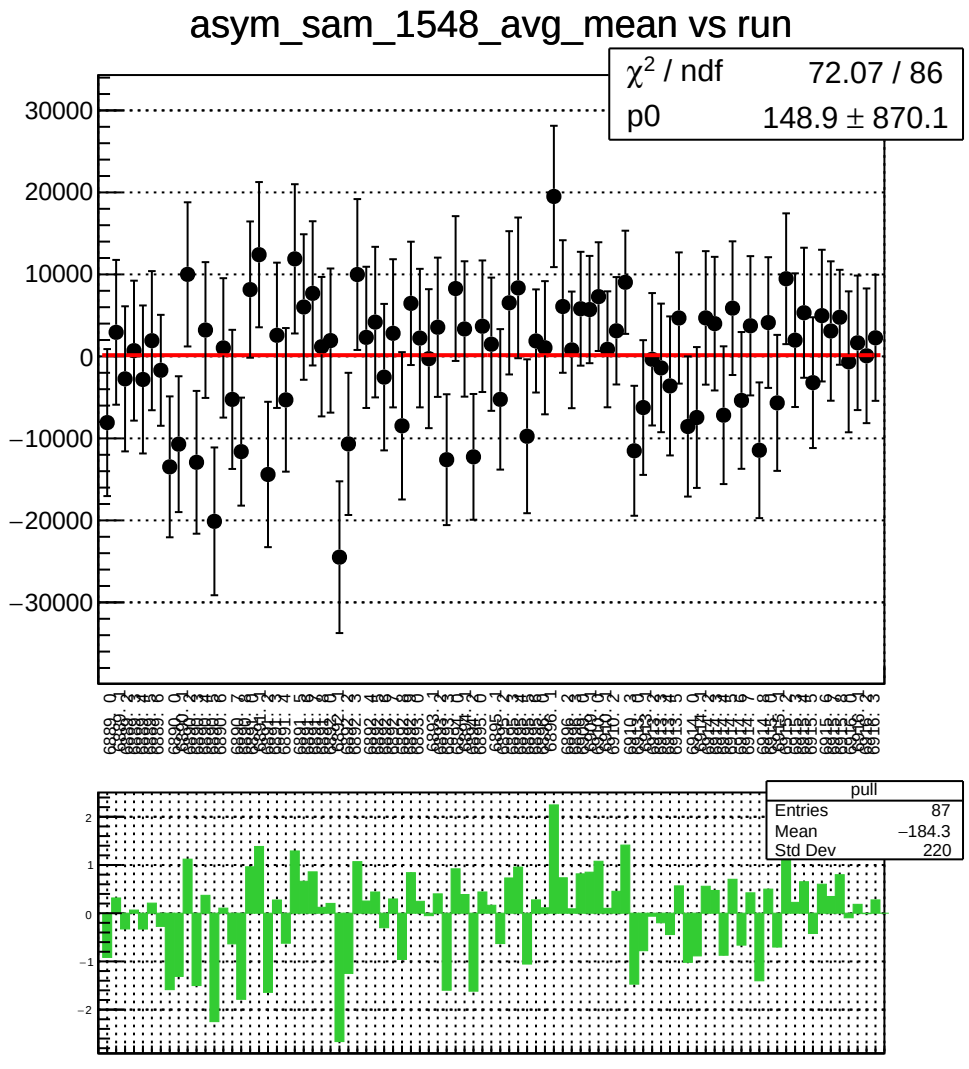

pull1D
Entries 87
Mean 0.002894
Std Dev 0.9293

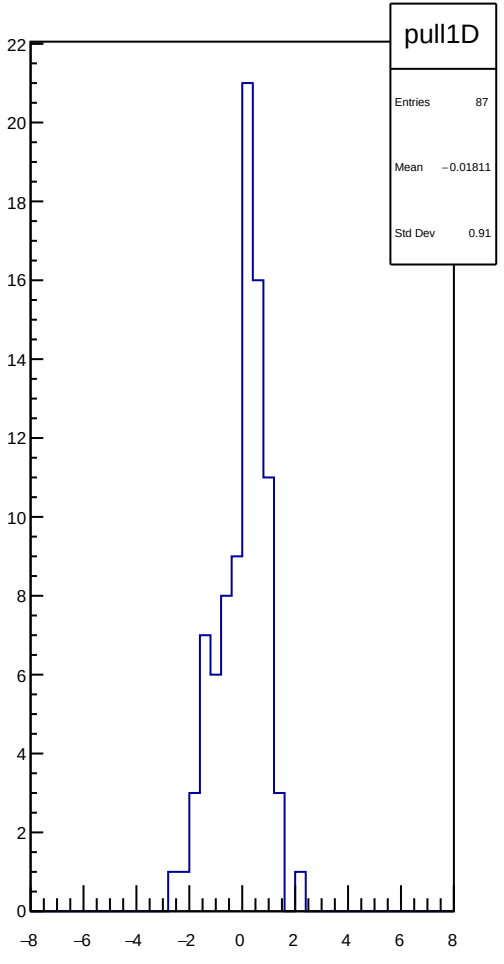

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2986 / 86
p0 105 ± 0.08163
118
116
114
112
110
108
106
104
102
100
98
96

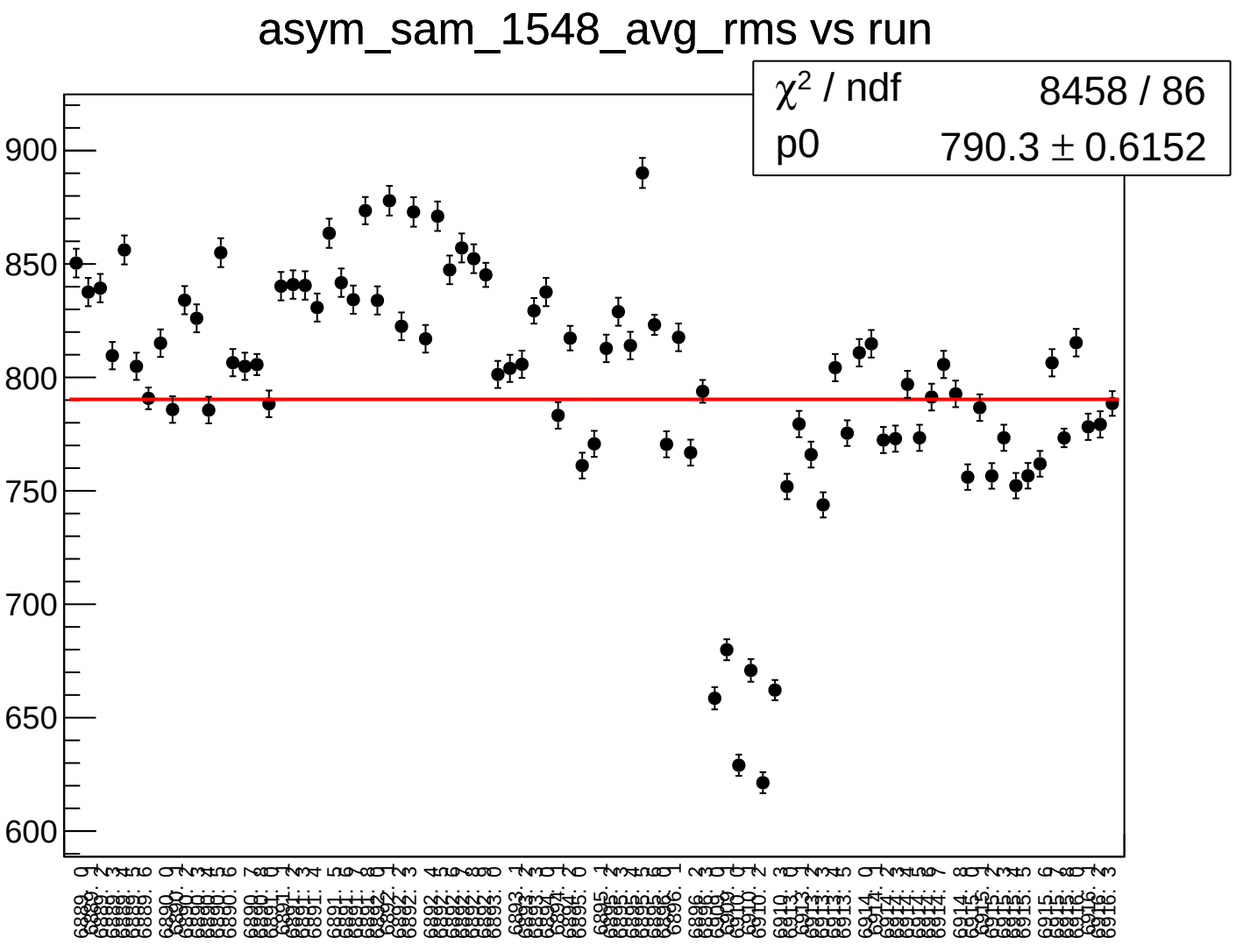

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 73.71 / 86
p0 −261.2 ± 867
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −174.5
Std Dev 210.3
2
1
0
−1
−2

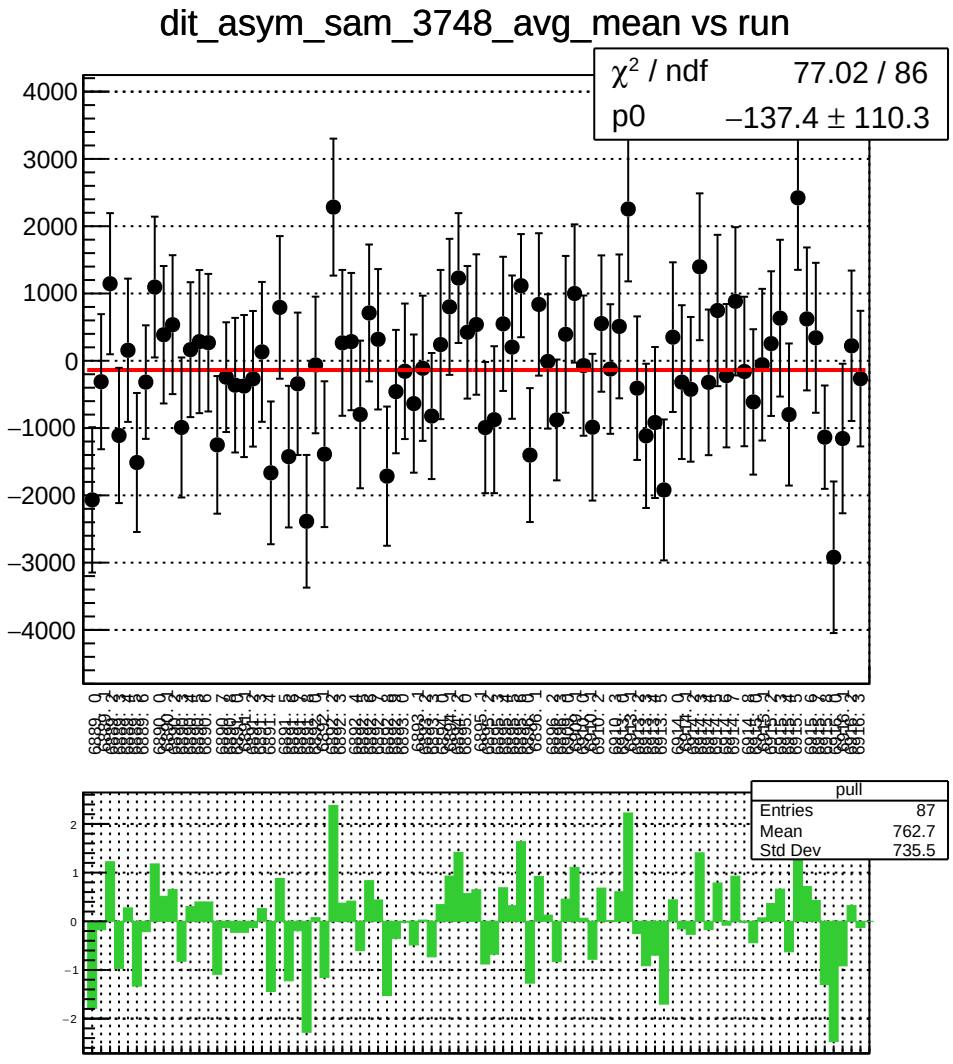

pull1D
Entries 87
Mean 0.01839
Std Dev 0.9203
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

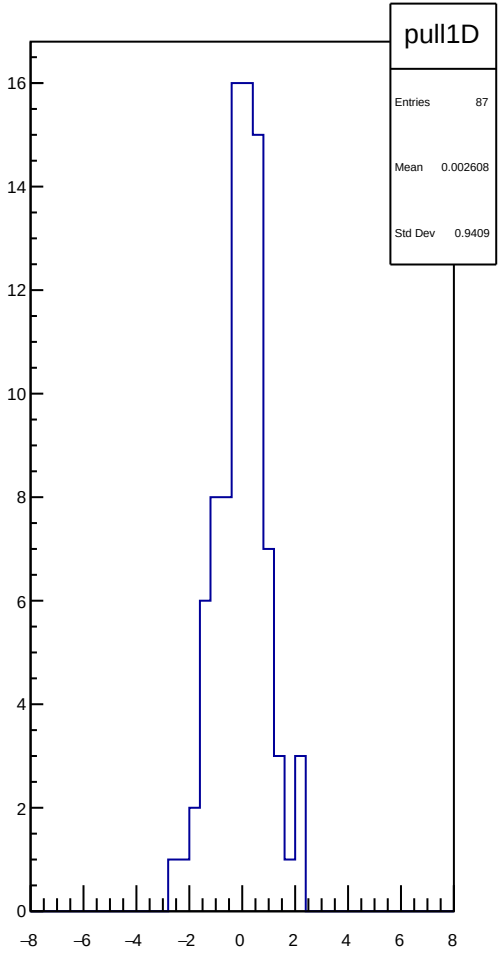

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 8563 / 86
p0 787.5 ± 0.6131
900
850
800
750
700
650
600

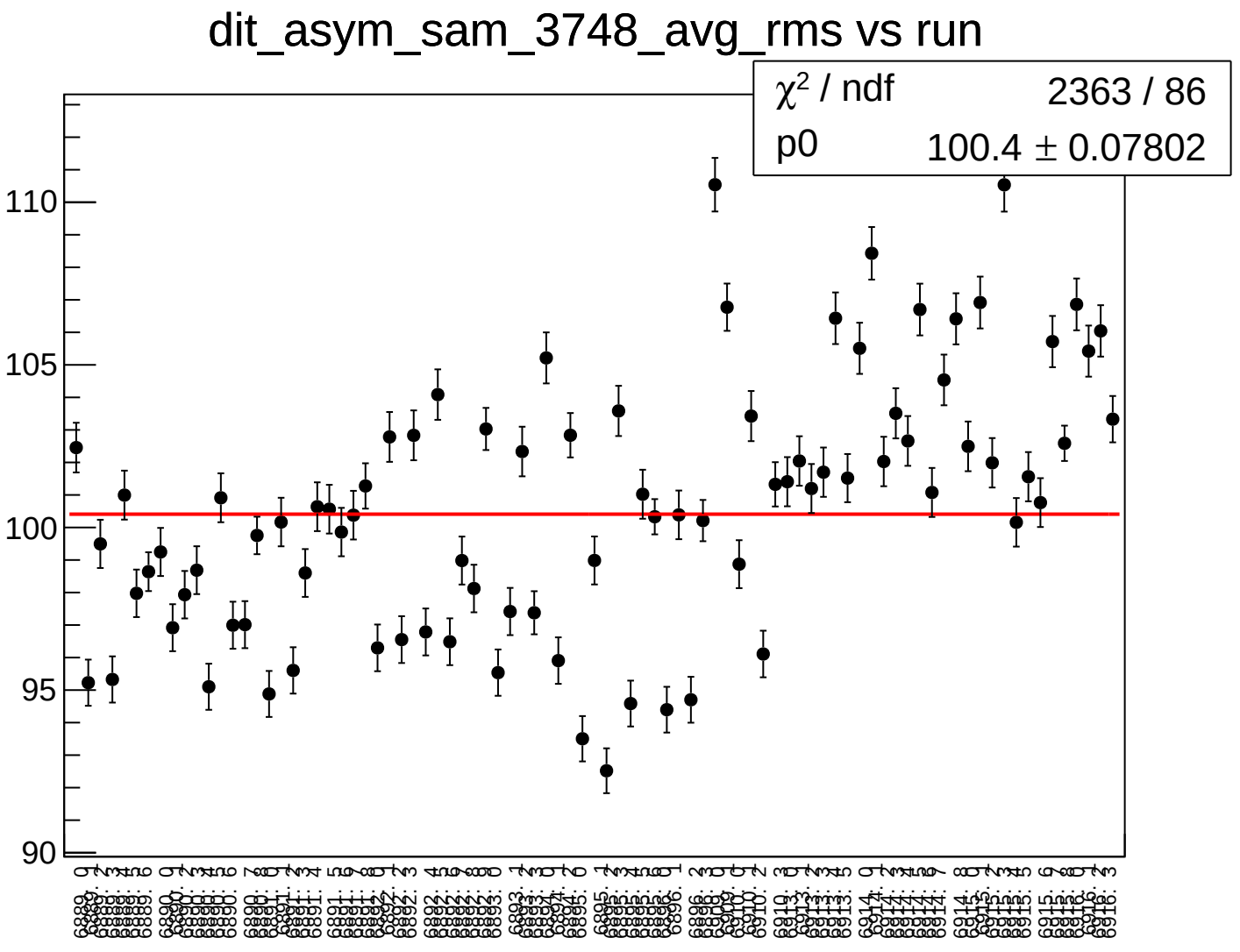

asym_sam_1548_avg_mean vs run
χ² / ndf 72.07 / 86
p0 148.9 ± 870.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −184.3
Std Dev 220
2
1
0
−1
−2

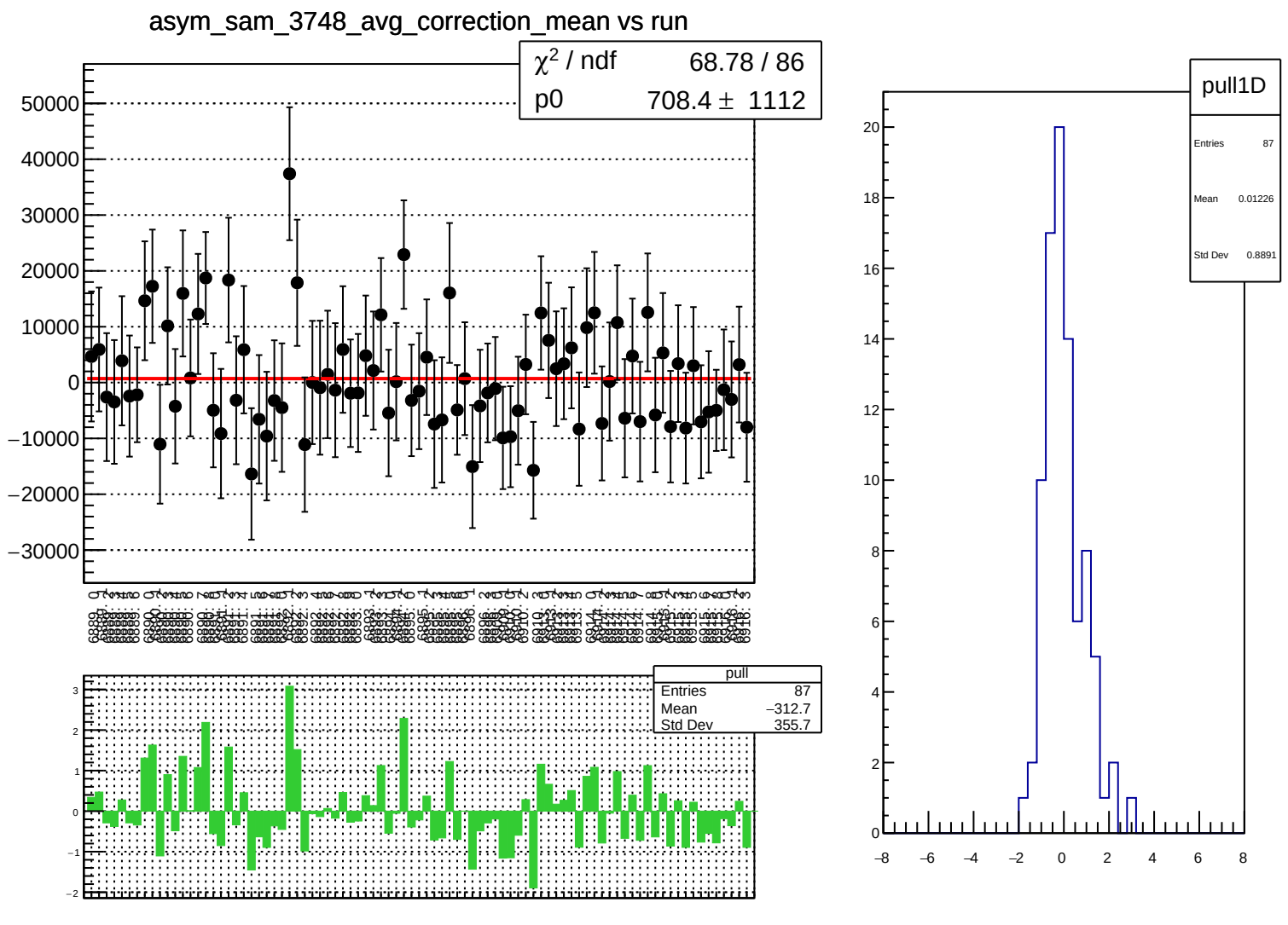

pull1D
Entries 87
Mean −0.01811
Std Dev 0.91
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

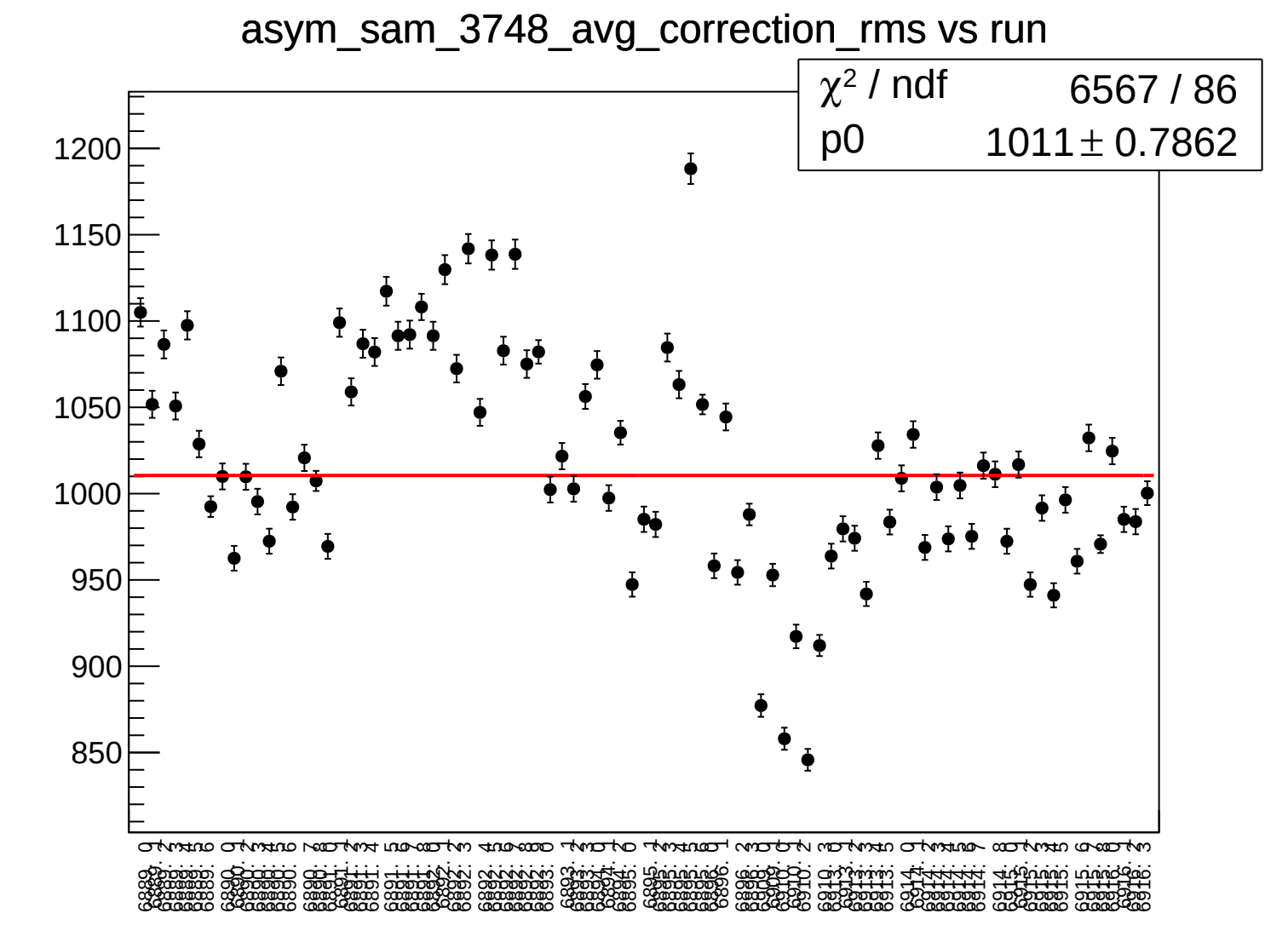

asym_sam_1548_avg_rms vs run
χ² / ndf 8458 / 86
p0 790.3 ± 0.6152
900
850
800
750
700
650
600

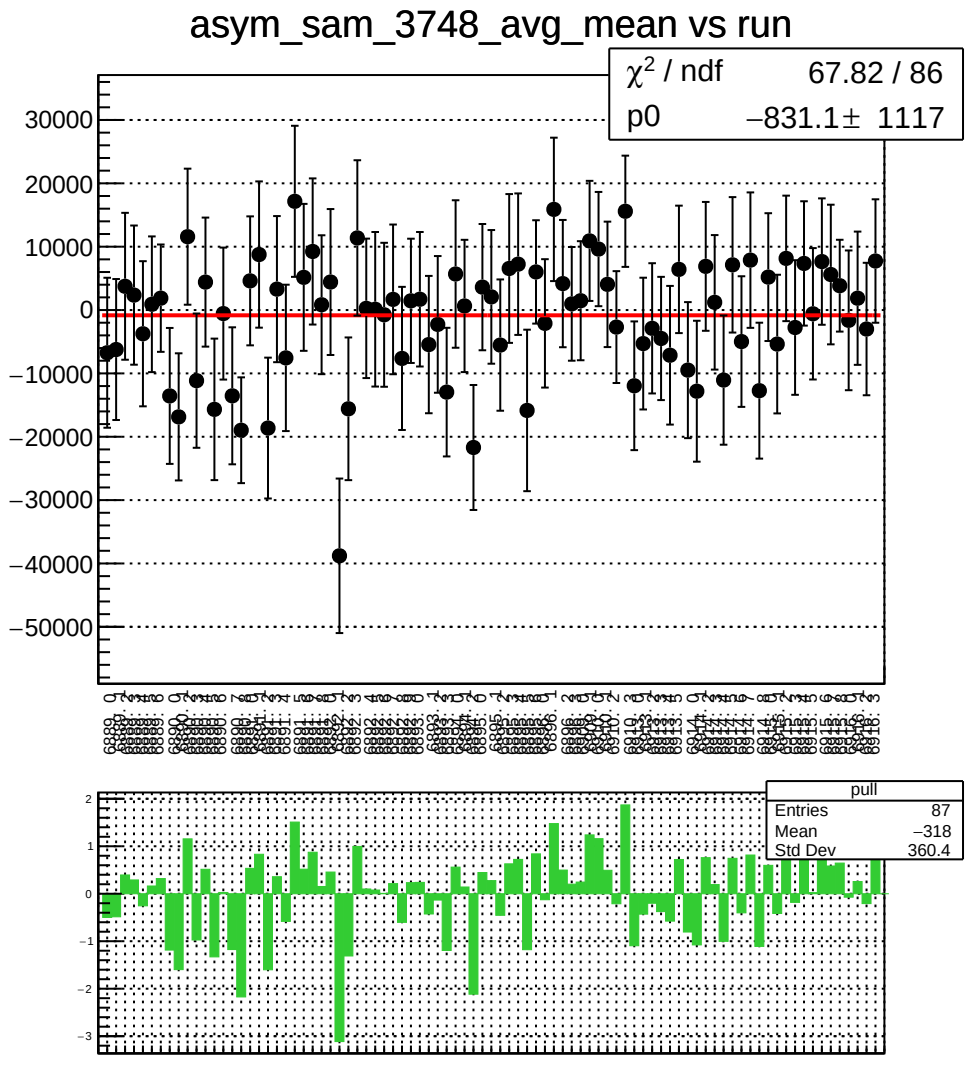

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 77.02 / 86
p0 −137.4 ± 110.3
pull
Entries 87
Mean 762.7
Std Dev 735.5

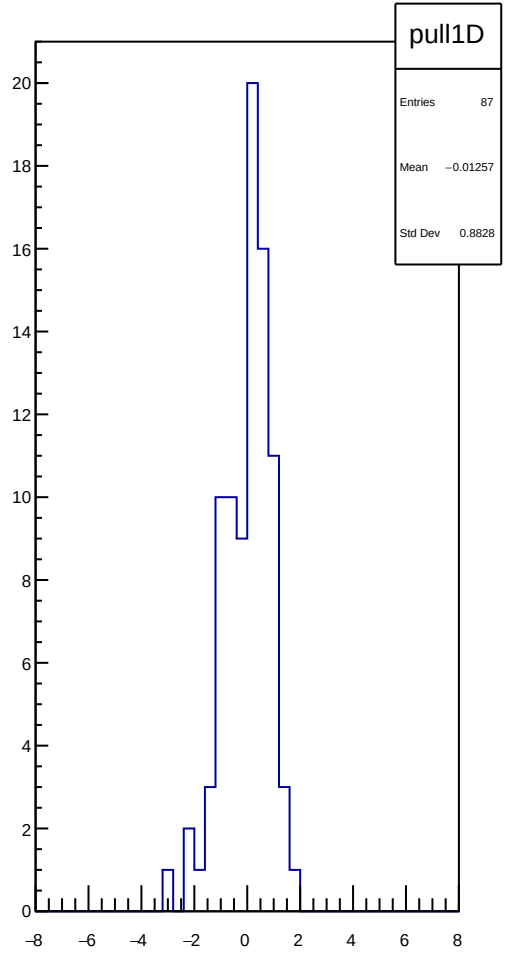

pull1D
Entries 87
Mean 0.002608
Std Dev 0.9409

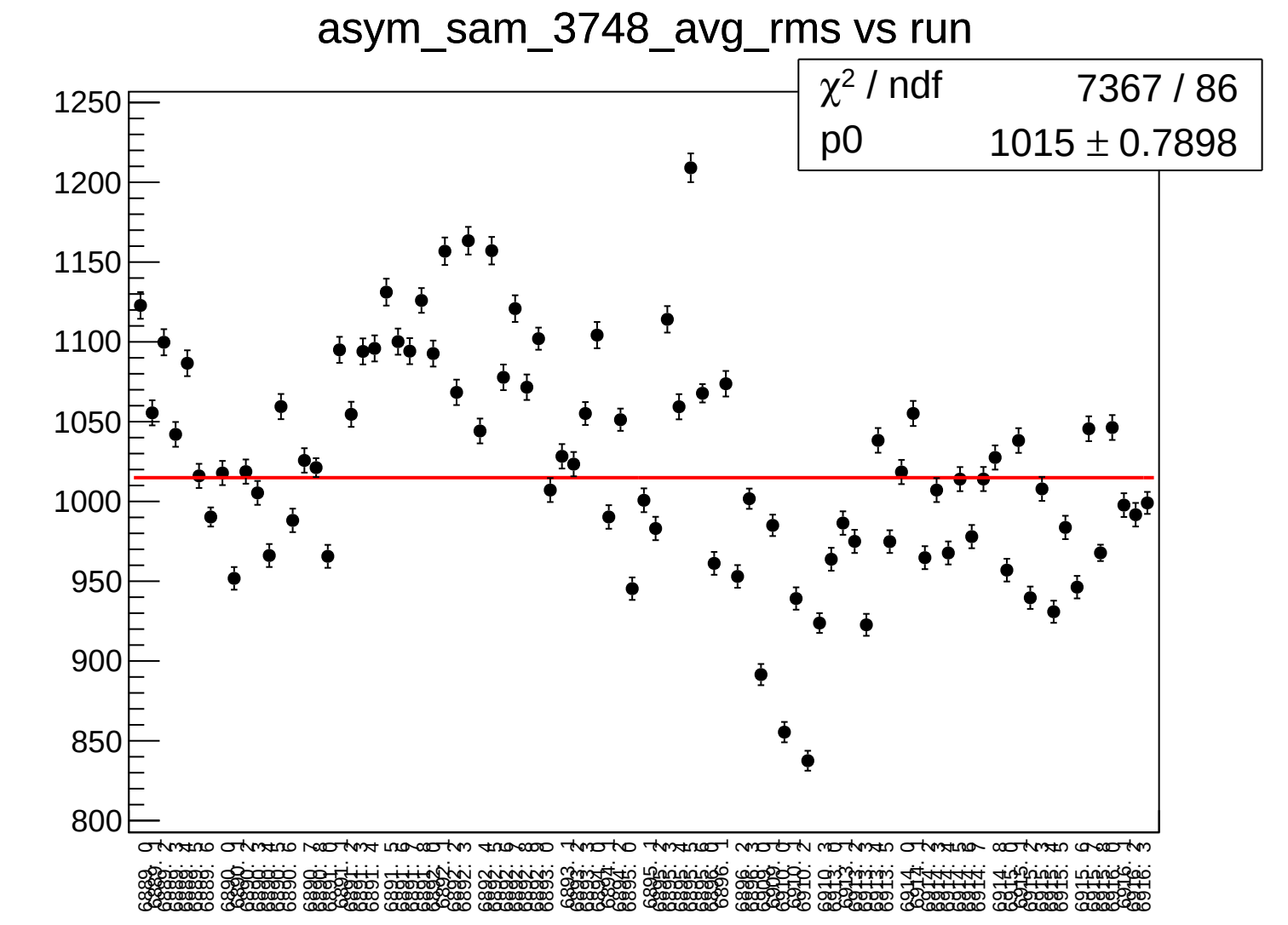

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2363 / 86
p0 100.4 ± 0.07802
110
105
100
95
90

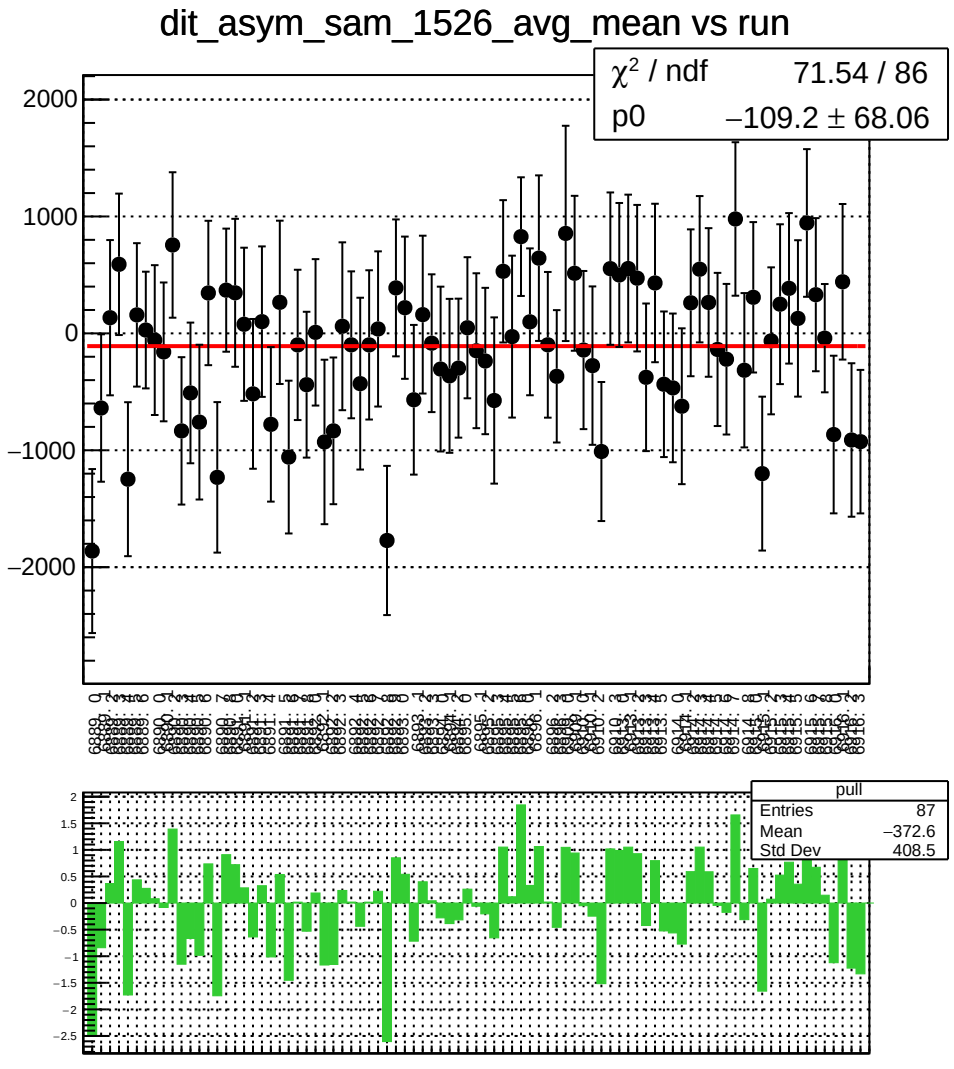

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 68.78 / 86
p0 708.4 ± 1112
pull
Entries 87
Mean −312.7
Std Dev 355.7
pull1D
Entries 87
Mean 0.01226
Std Dev 0.8891

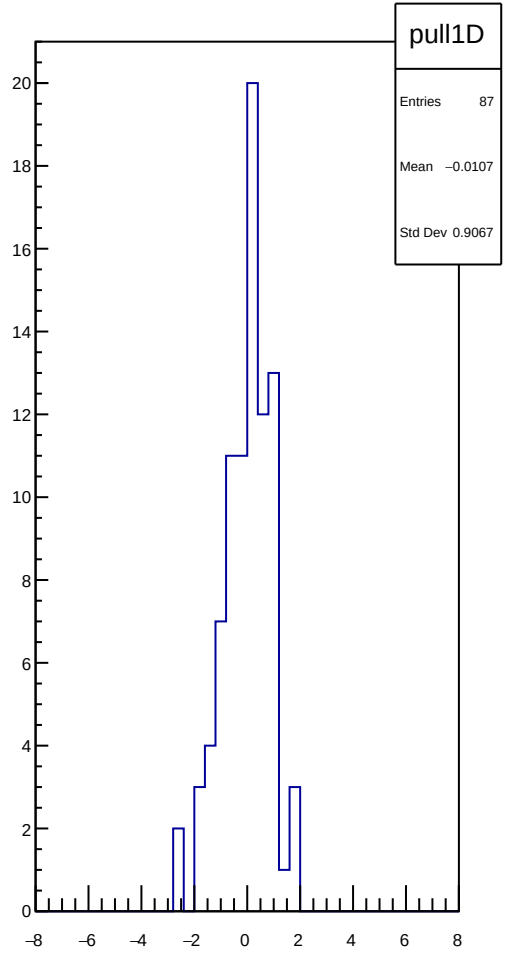

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 6567 / 86
p0 1011 ± 0.7862
1200
1150
1100
1050
1000
950
900
850

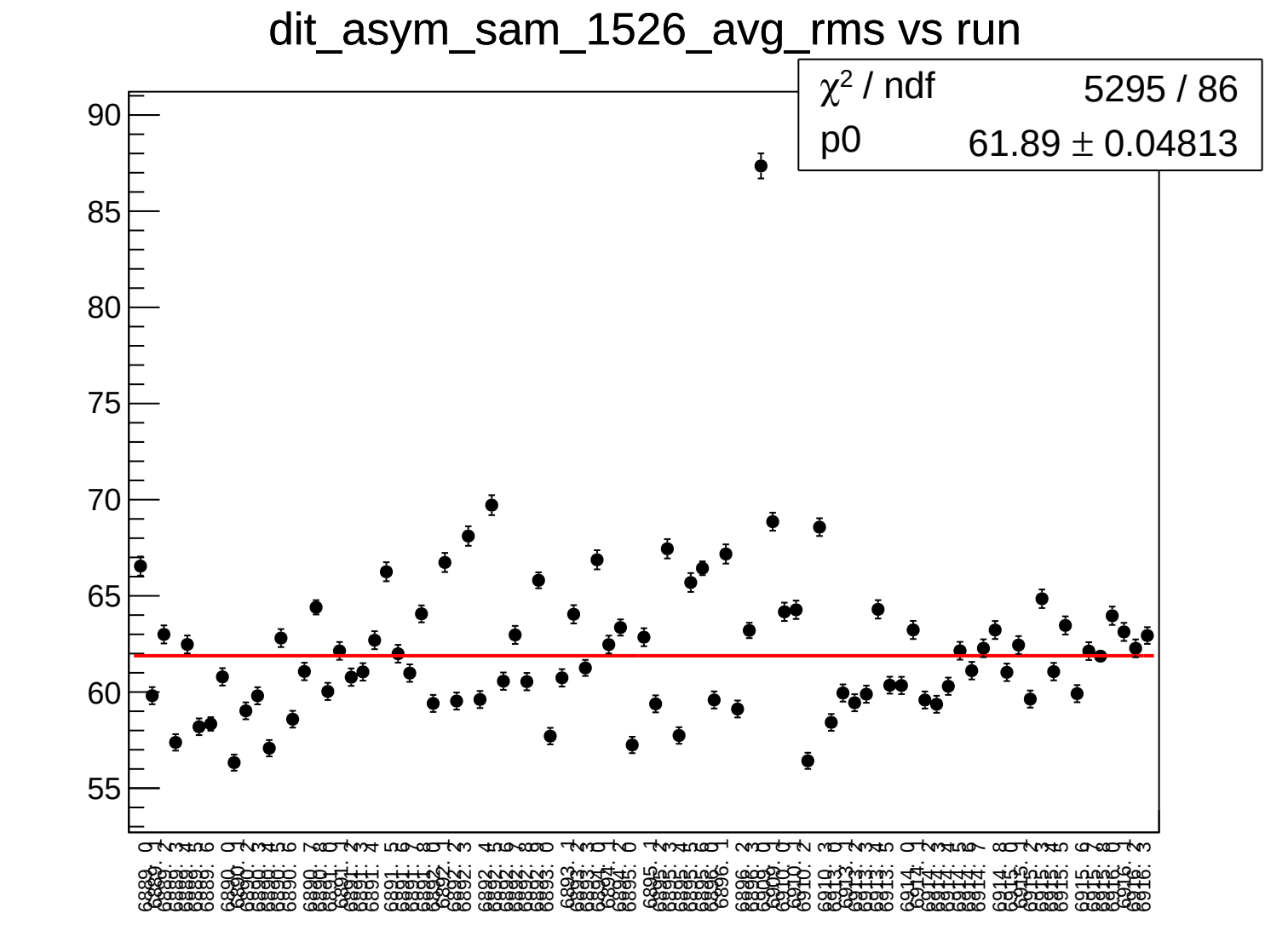

asym_sam_3748_avg_mean vs run
χ² / ndf 67.82 / 86
p0 −831.1± 1117
pull
Entries 87
Mean −318
Std Dev 360.4

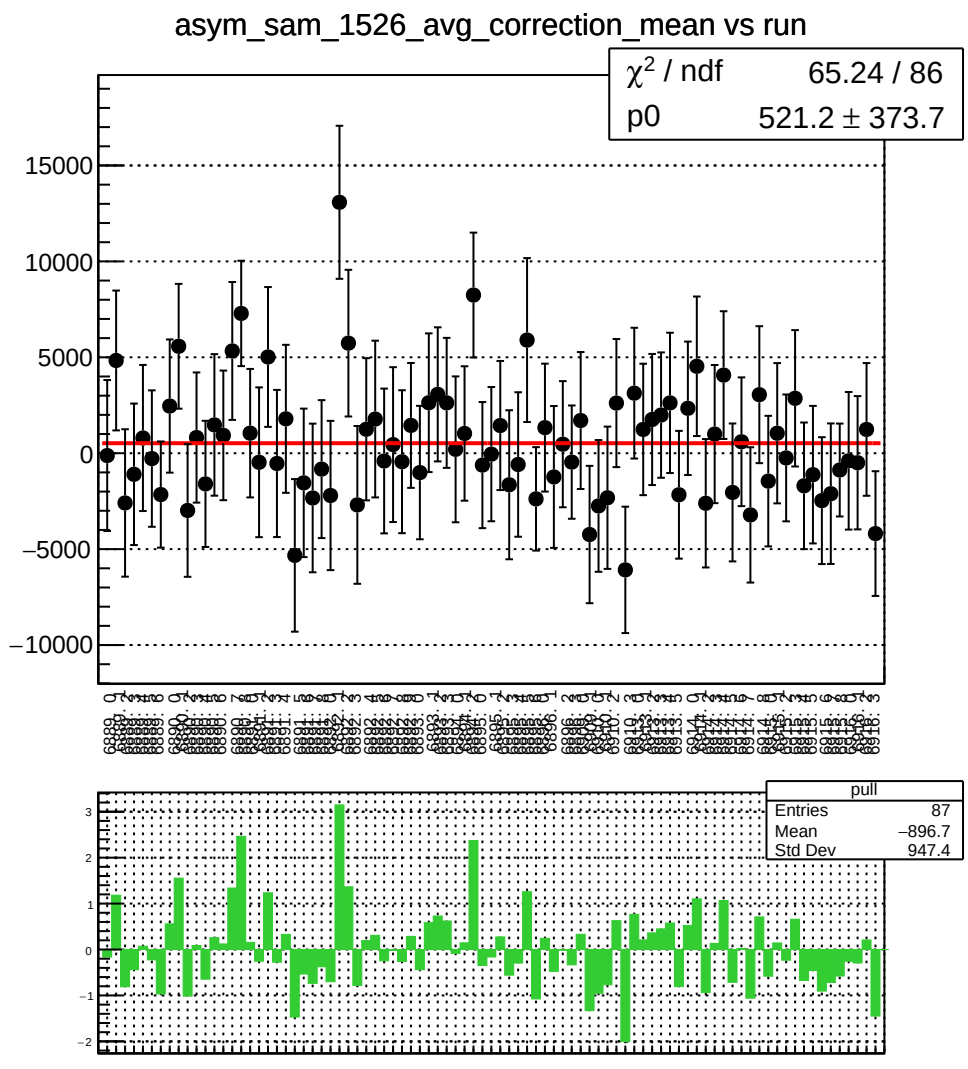

pull1D
Entries 87
Mean −0.01257
Std Dev 0.8828

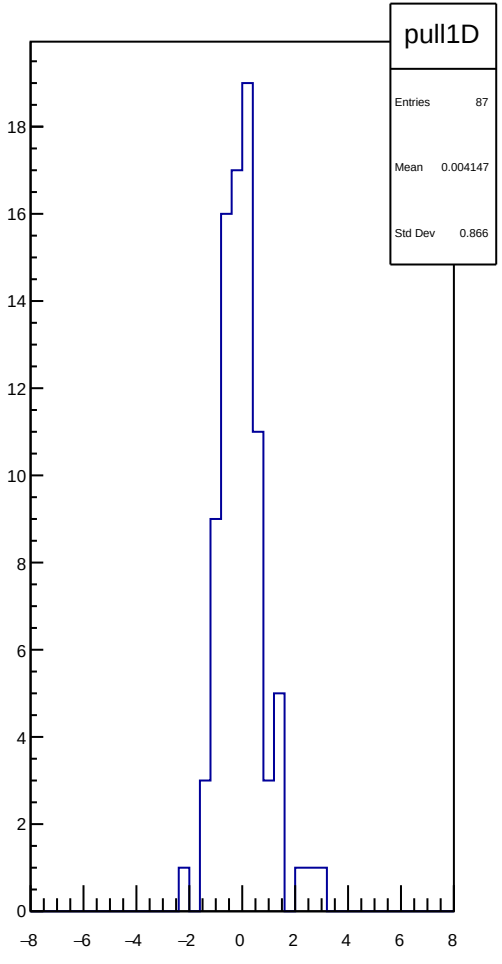

asym_sam_3748_avg_rms vs run
χ² / ndf 7367 / 86
p0 1015 ± 0.7898
1250
1200
1150
1100
1050
1000
950
900
850
800

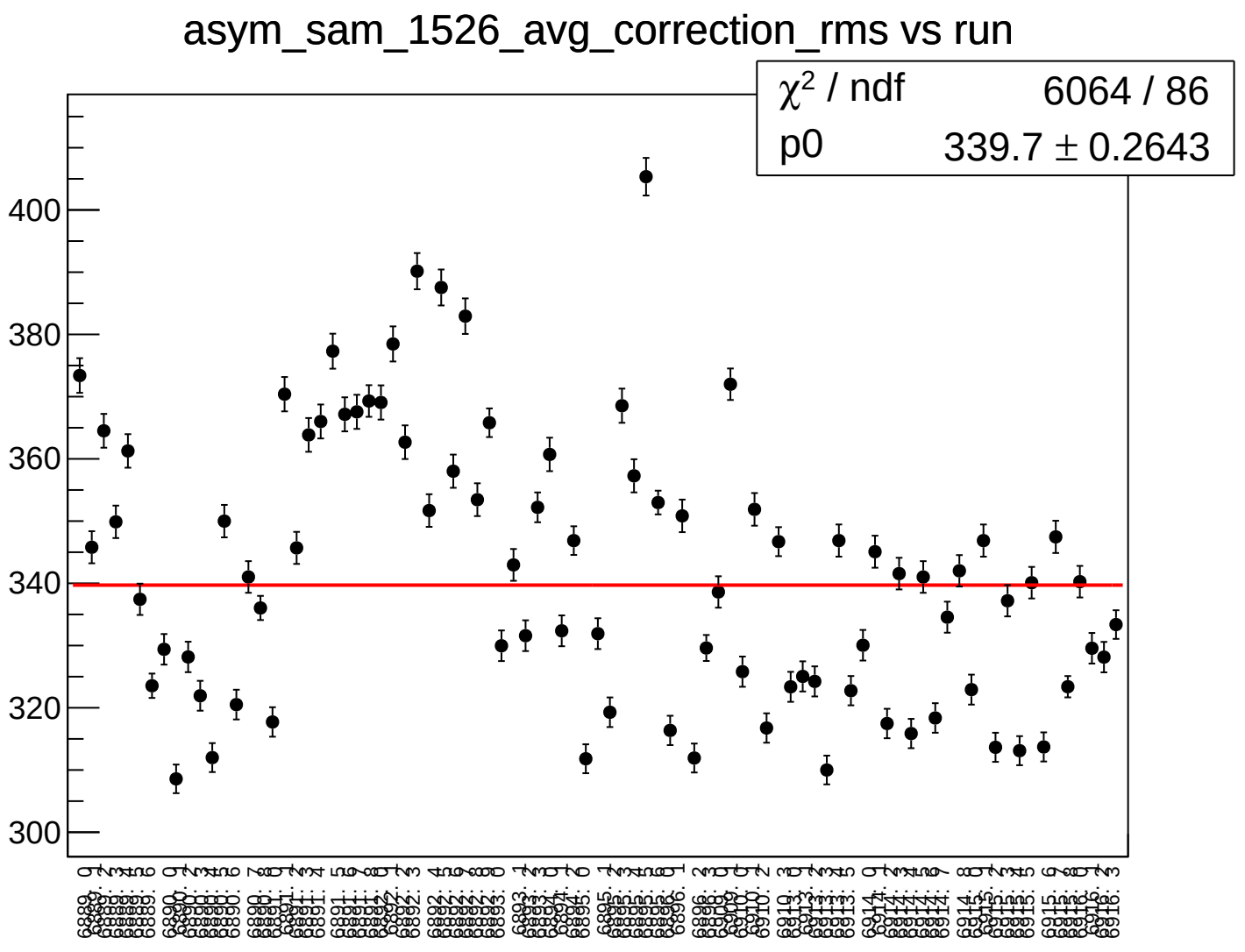

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 71.54 / 86
p0 −109.2 ± 68.06
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −372.6
Std Dev 408.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

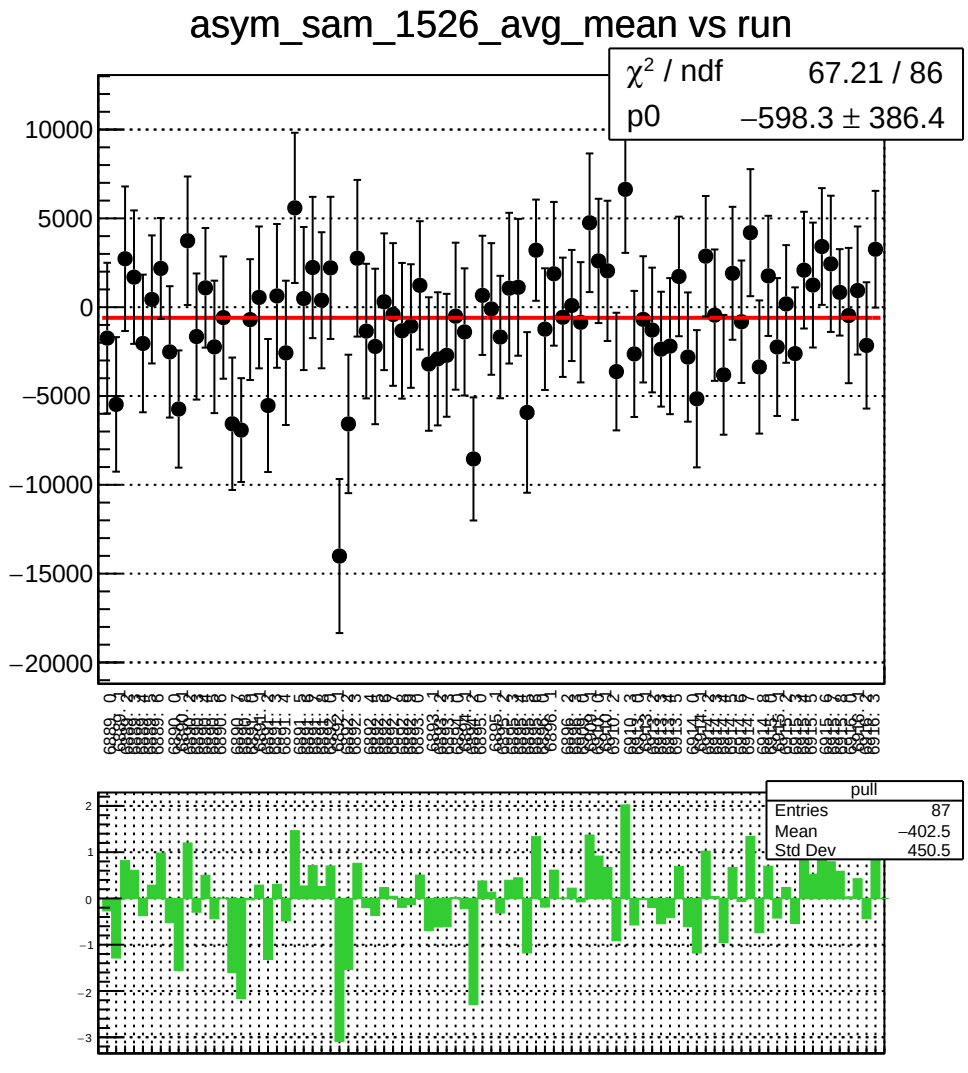

pull1D
Entries 87
Mean −0.0107
Std Dev 0.9067
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

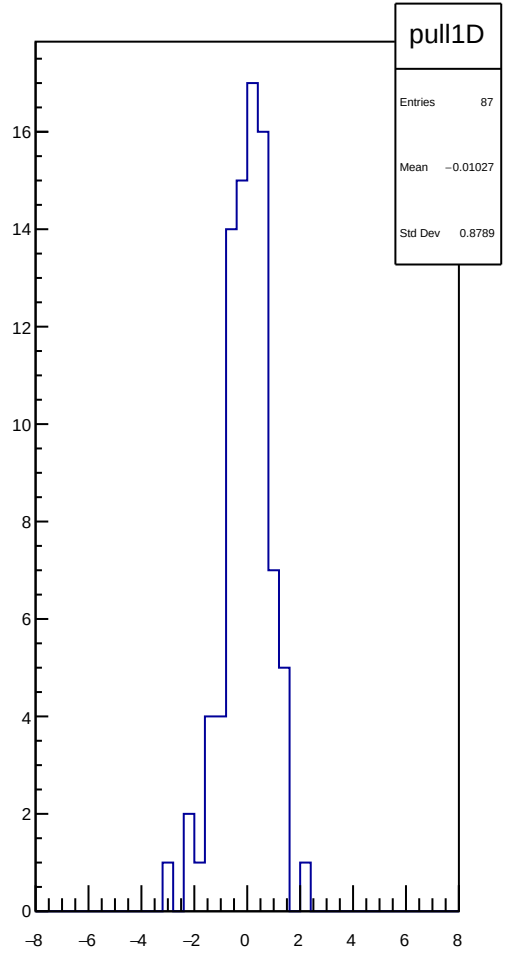

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 5295 / 86
p0 61.89 ± 0.04813
90
85
80
75
70
65
60
55

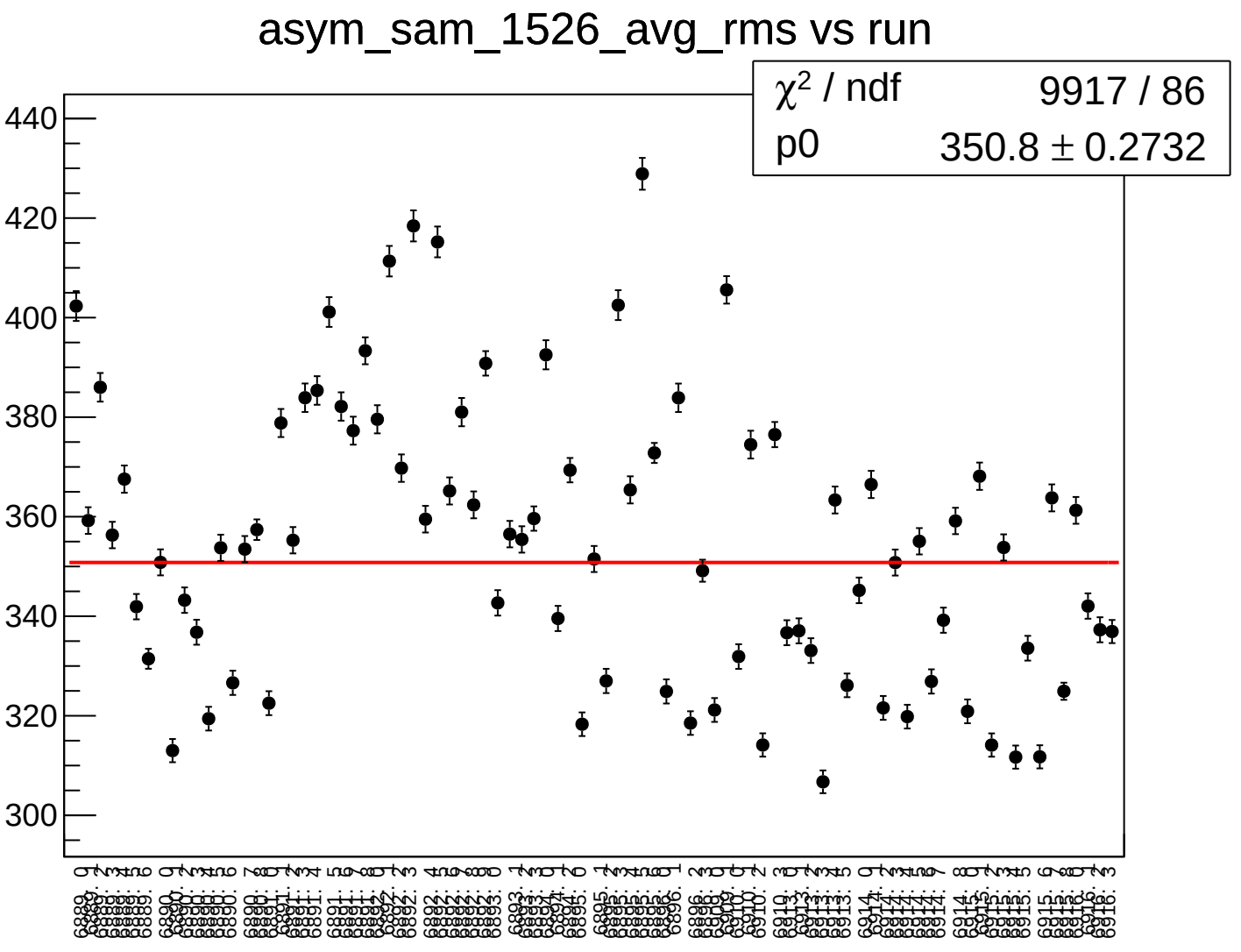

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 65.24 / 86
p0 521.2 ± 373.7
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −896.7
Std Dev 947.4
3
2
1
0
−1
−2

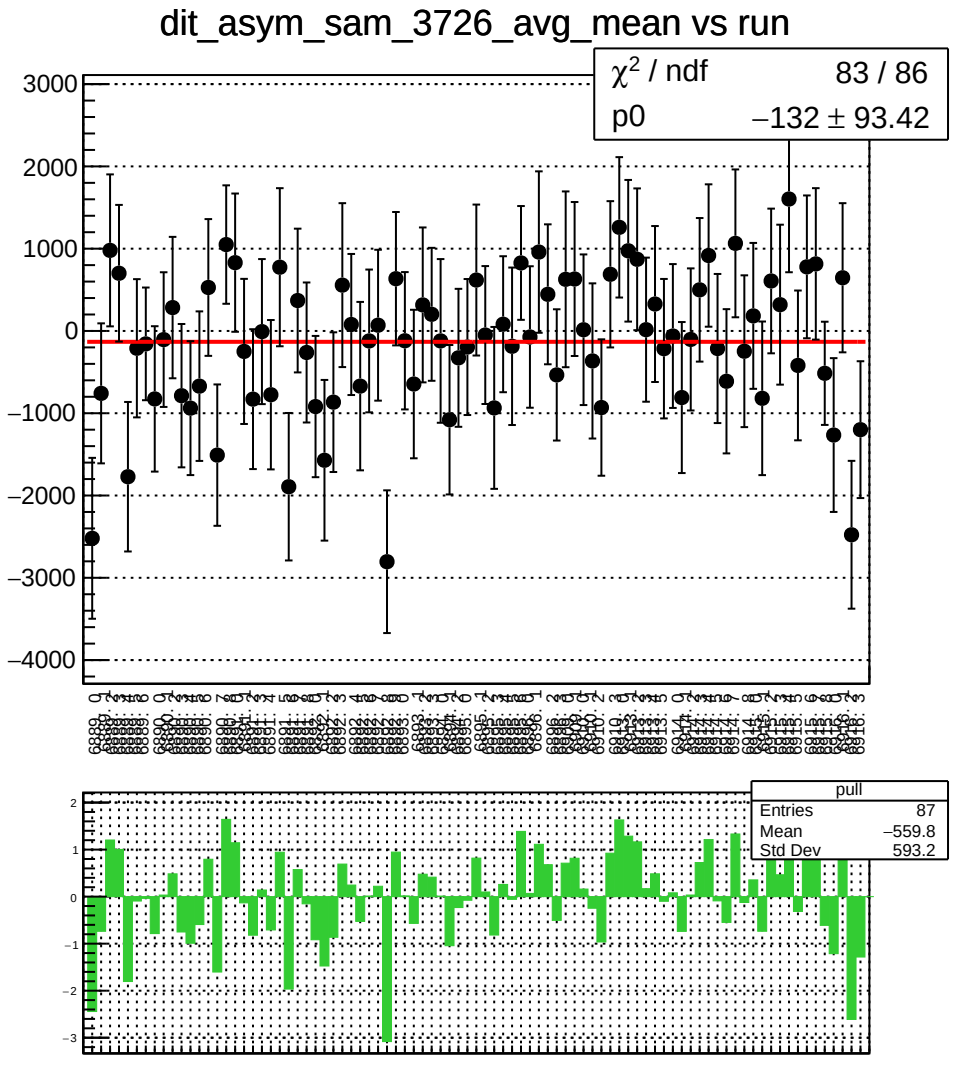

pull1D
Entries 87
Mean 0.004147
Std Dev 0.866
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

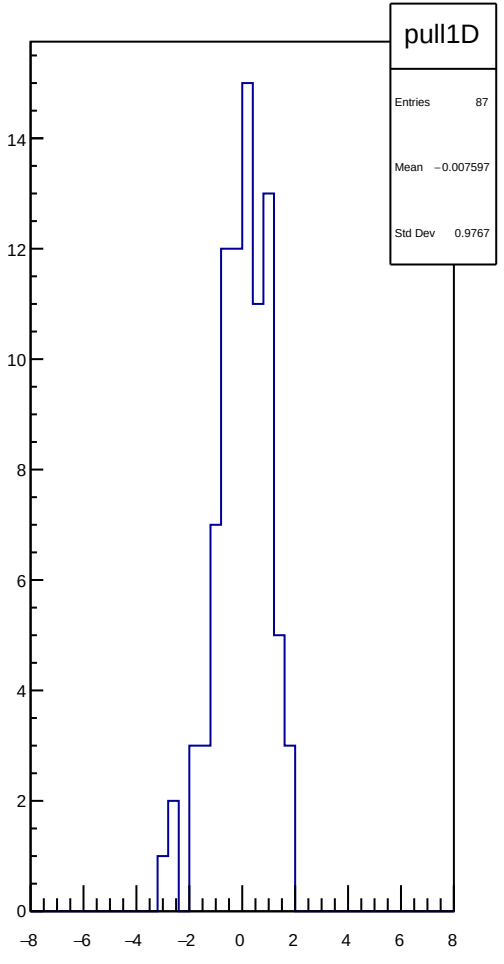

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 6064 / 86
p0 339.7 ± 0.2643
400
380
360
340
320
300

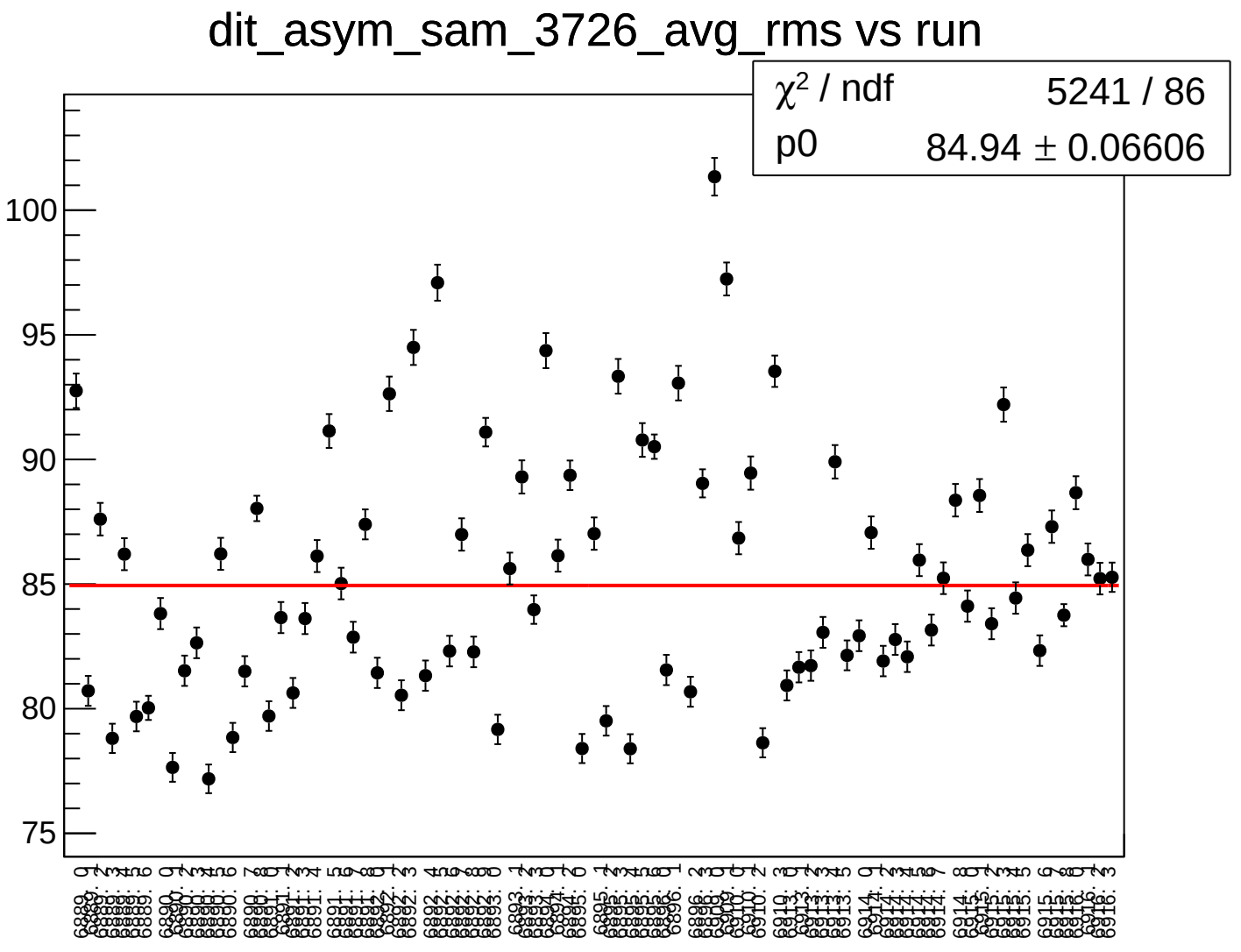

asym_sam_1526_avg_mean vs run
χ² / ndf 67.21 / 86
p0 −598.3 ± 386.4
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean −402.5
Std Dev 450.5
2
1
0
−1
−2
−3

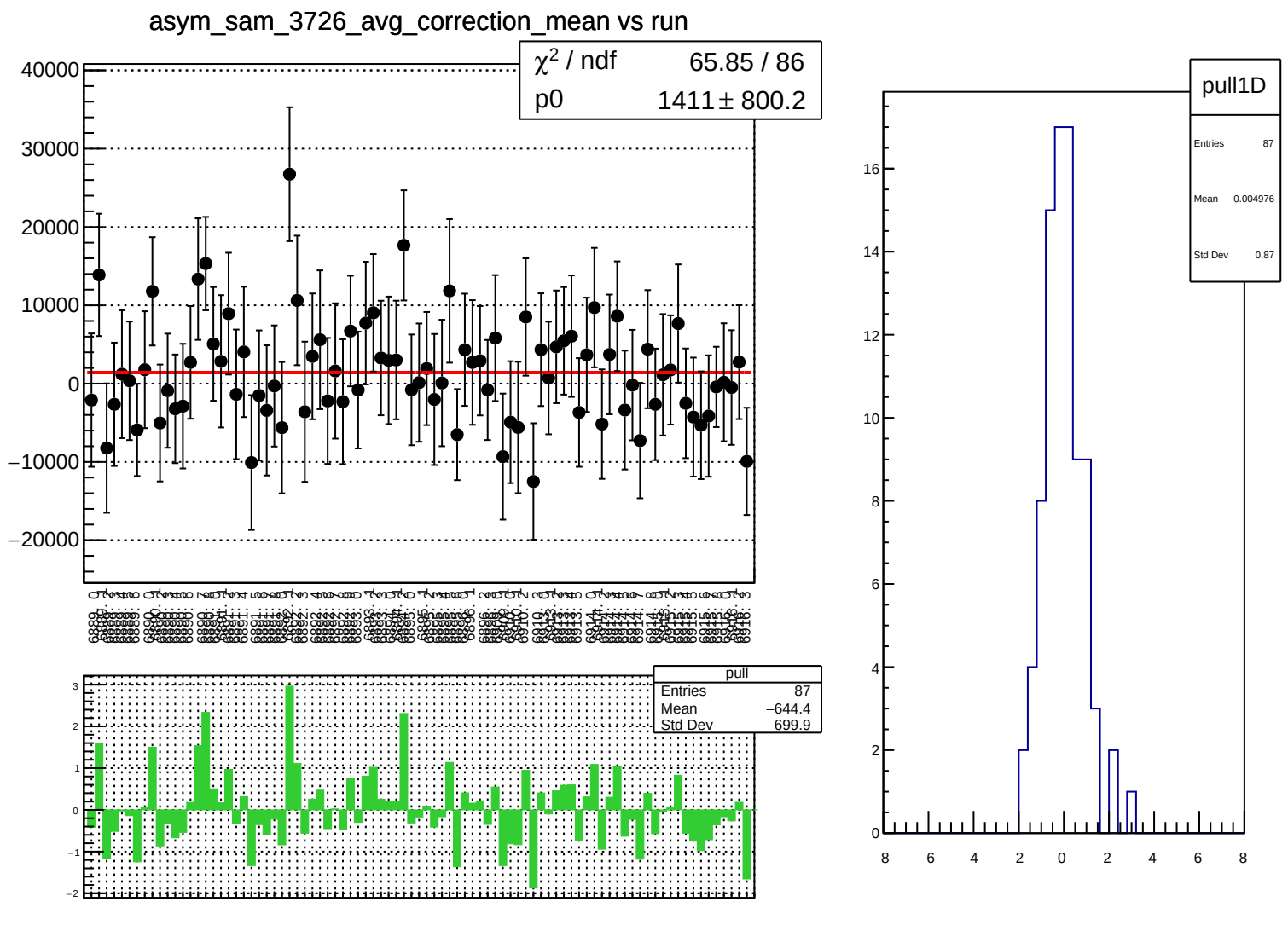

pull1D
Entries 87
Mean −0.01027
Std Dev 0.8789
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

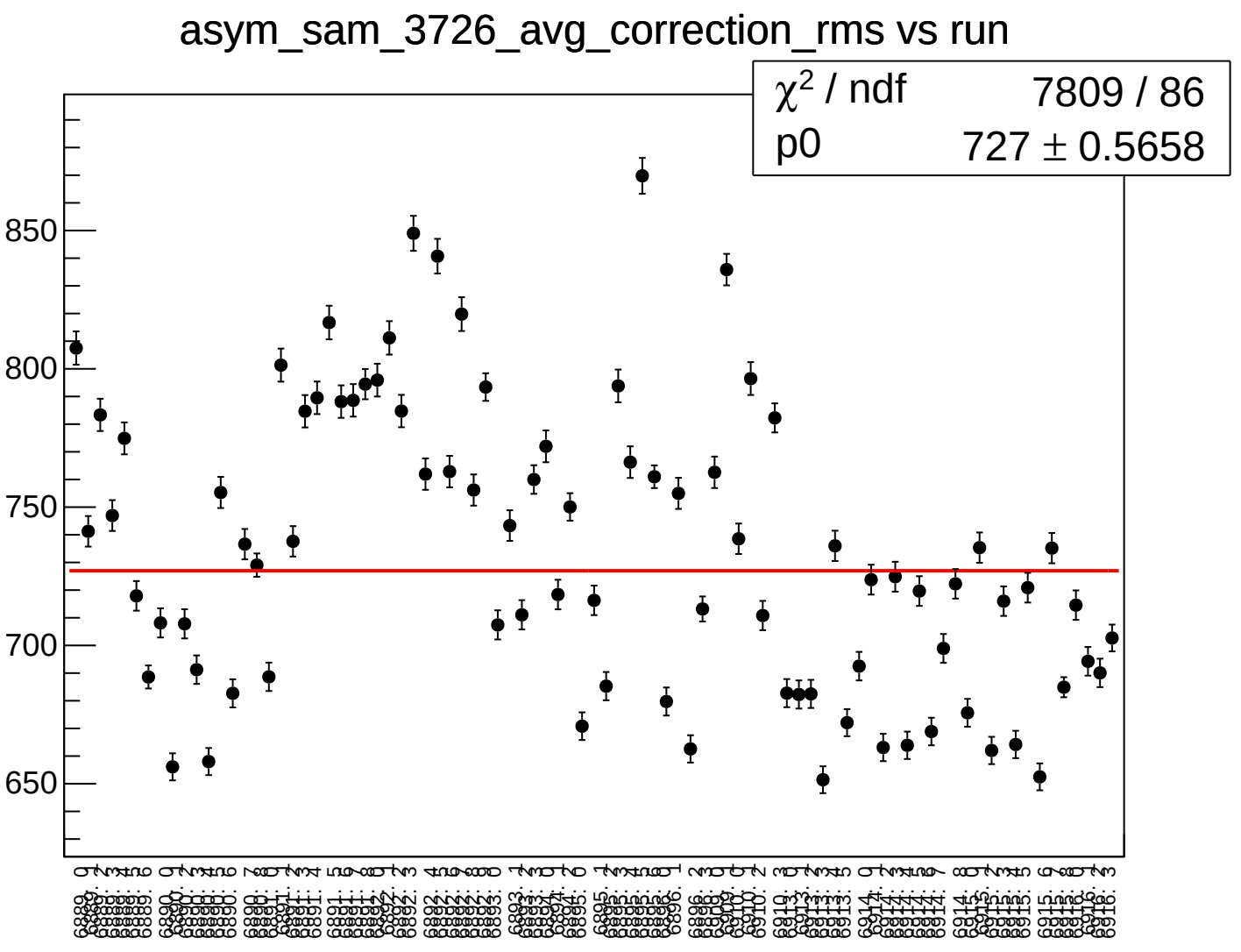

asym_sam_1526_avg_rms vs run
χ^2 / ndf 9917 / 86
p0 350.8 ± 0.2732
440
420
400
380
360
340
320
300

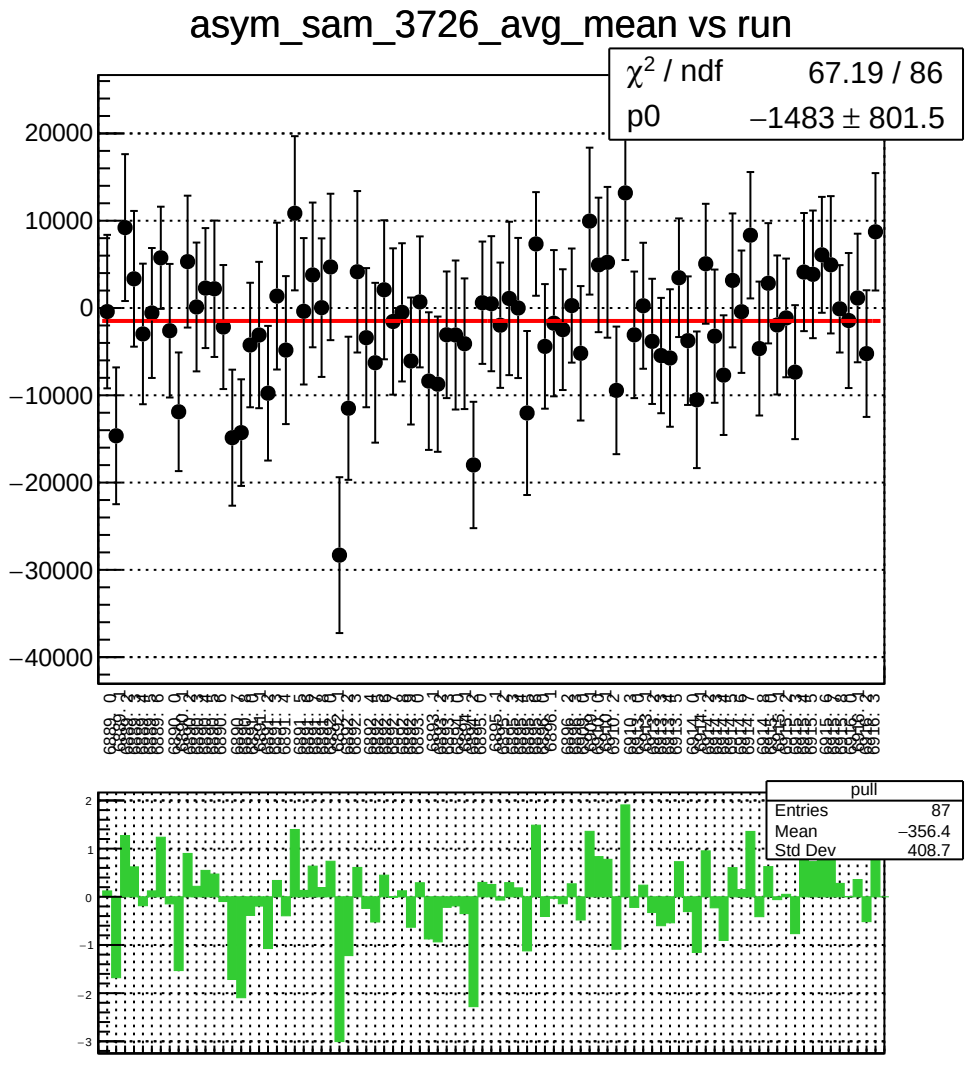

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 83 / 86
p0 −132 ± 93.42
pull
Entries 87
Mean −559.8
Std Dev 593.2

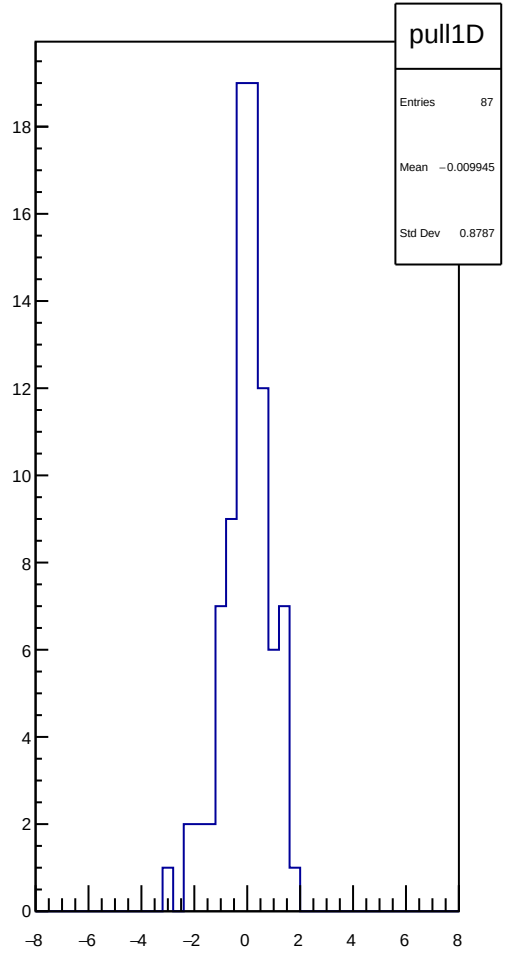

pull1D
Entries 87
Mean −0.007597
Std Dev 0.9767

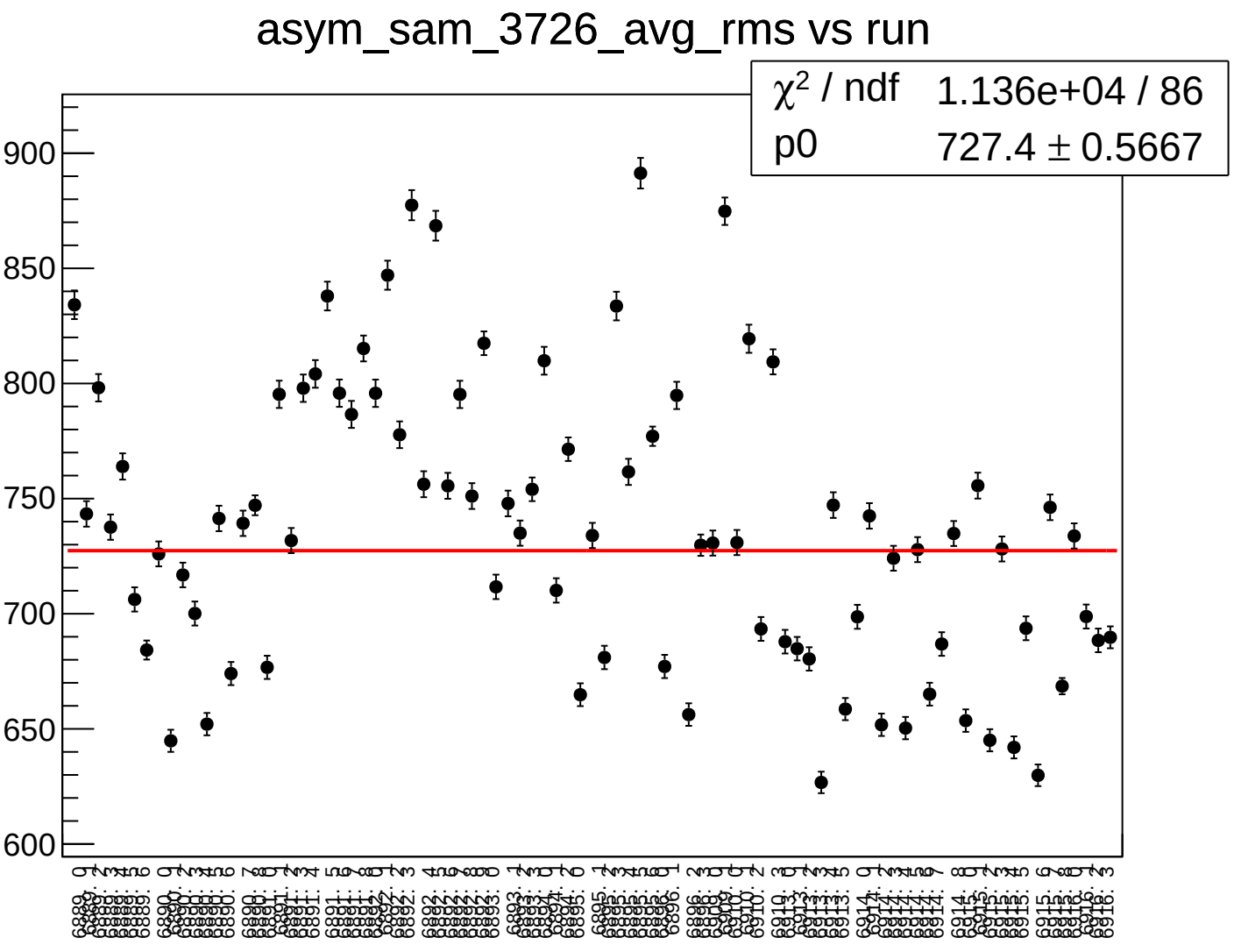

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 5241 / 86
p0 84.94 ± 0.06606
100
95
90
85
80
75

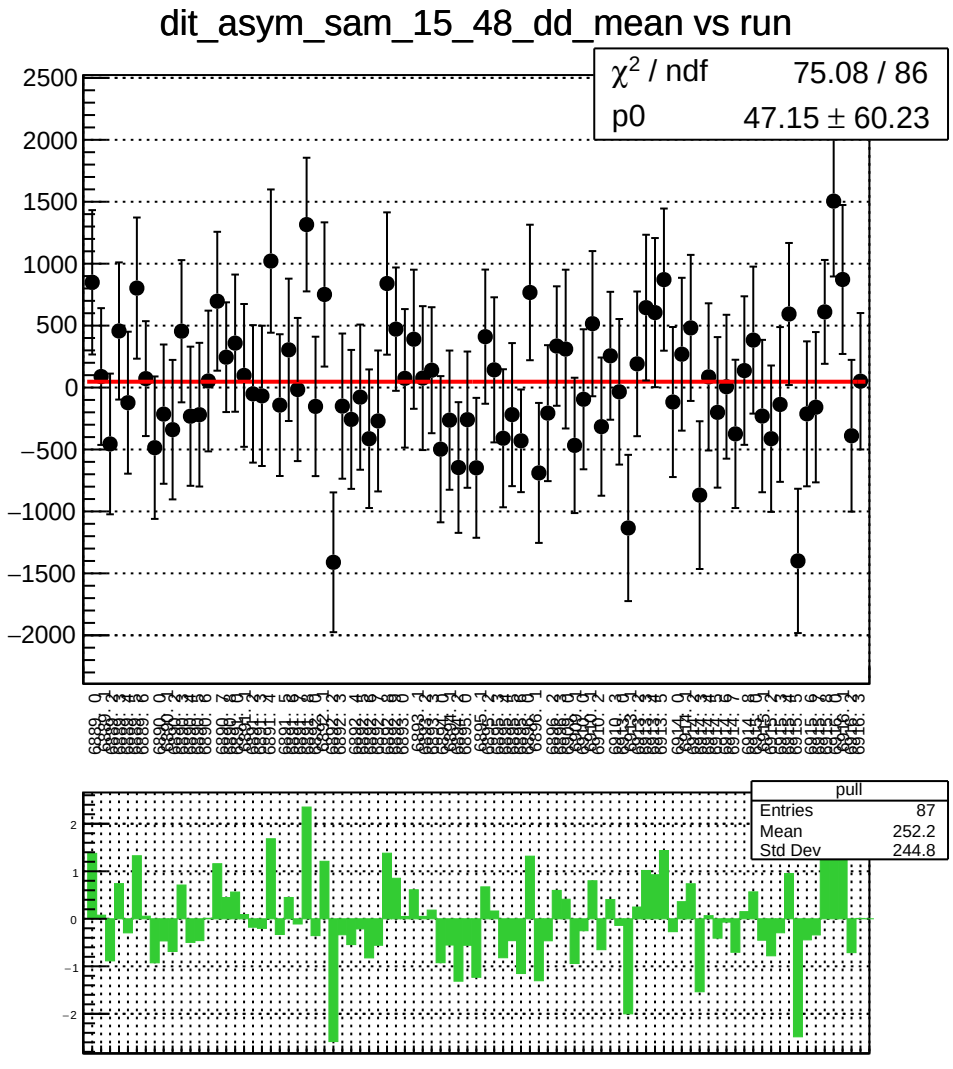

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 65.85 / 86
p0 1411 ± 800.2
pull
Entries 87
Mean −644.4
Std Dev 699.9
pull1D
Entries 87
Mean 0.004976
Std Dev 0.87

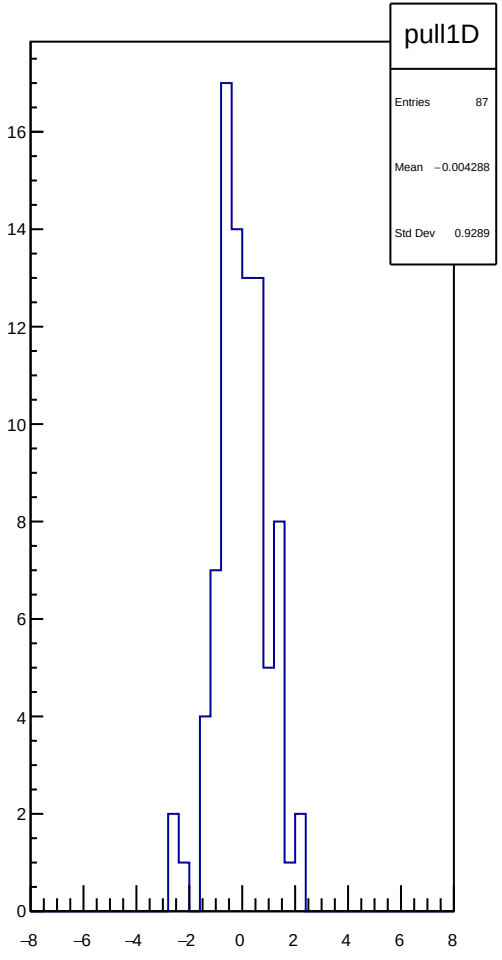

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 7809 / 86
p0 727 ± 0.5658
850
800
750
700
650

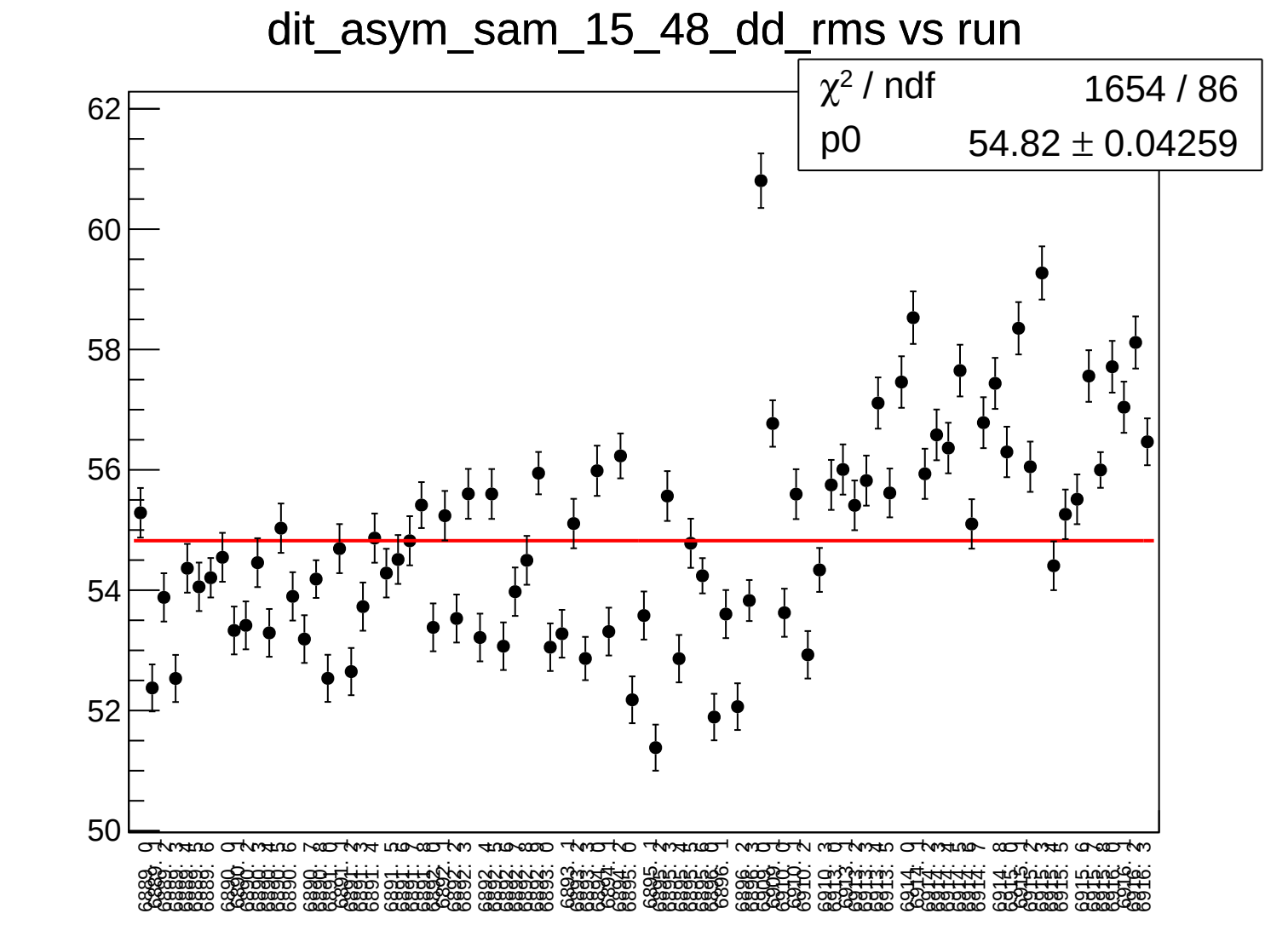

asym_sam_3726_avg_mean vs run
χ² / ndf 67.19 / 86
p0 −1483 ± 801.5
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −356.4
Std Dev 408.7
2
1
0
−1
−2
−3

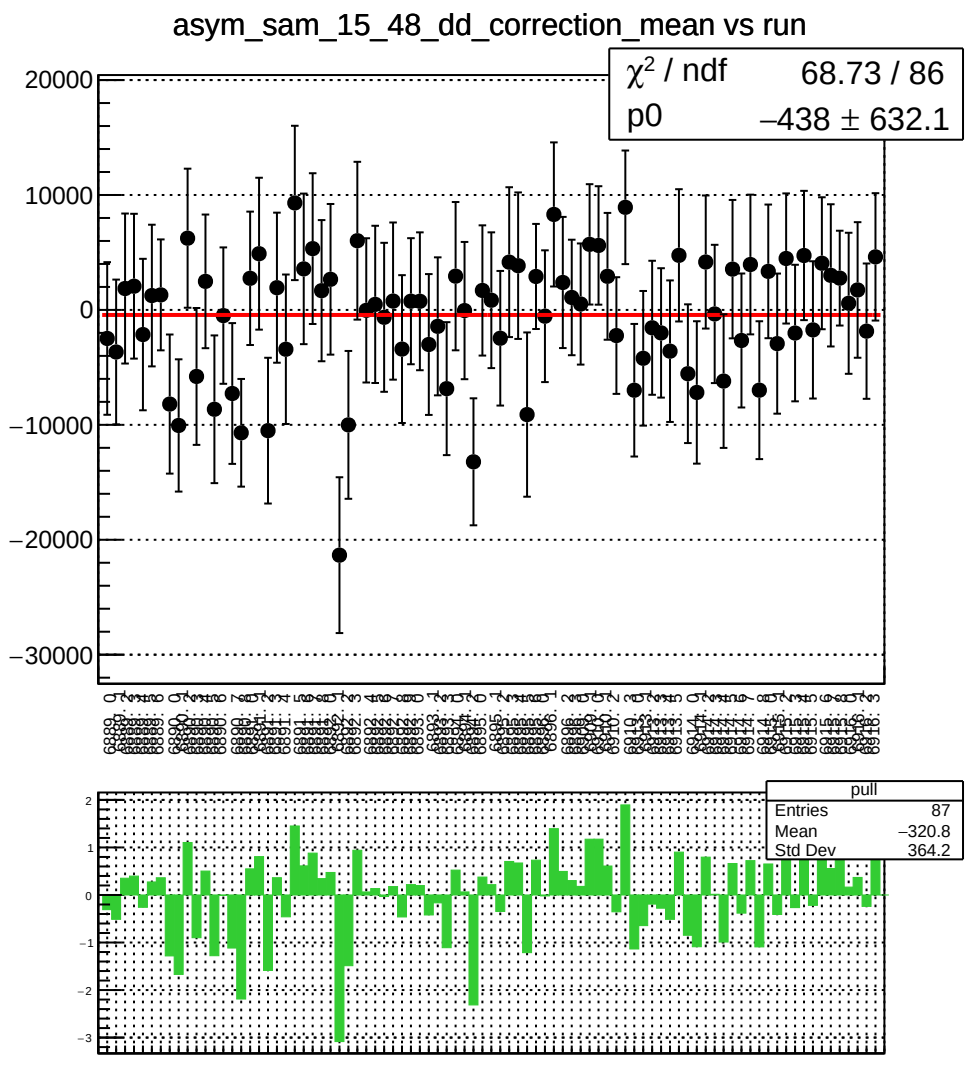

pull1D
Entries 87
Mean −0.009945
Std Dev 0.8787
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

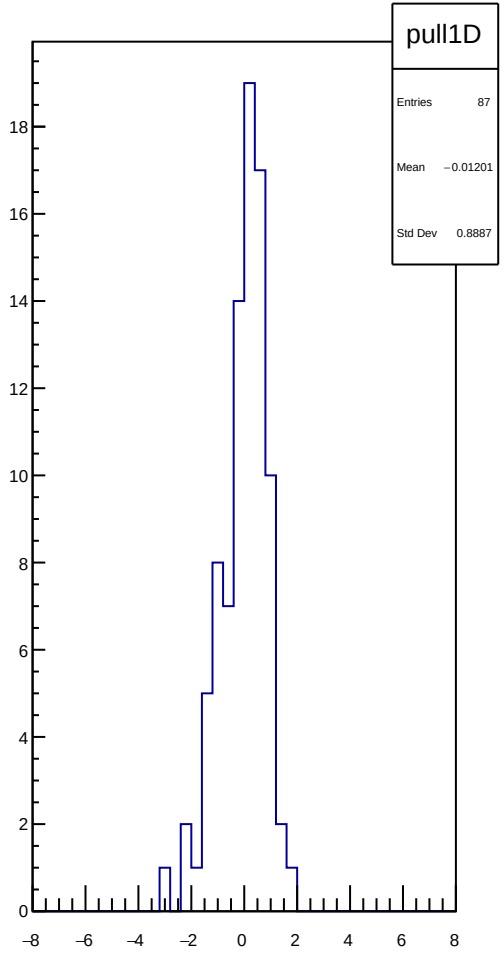

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.136e+04 / 86
p0 727.4 ± 0.5667
900
850
800
750
700
650
600

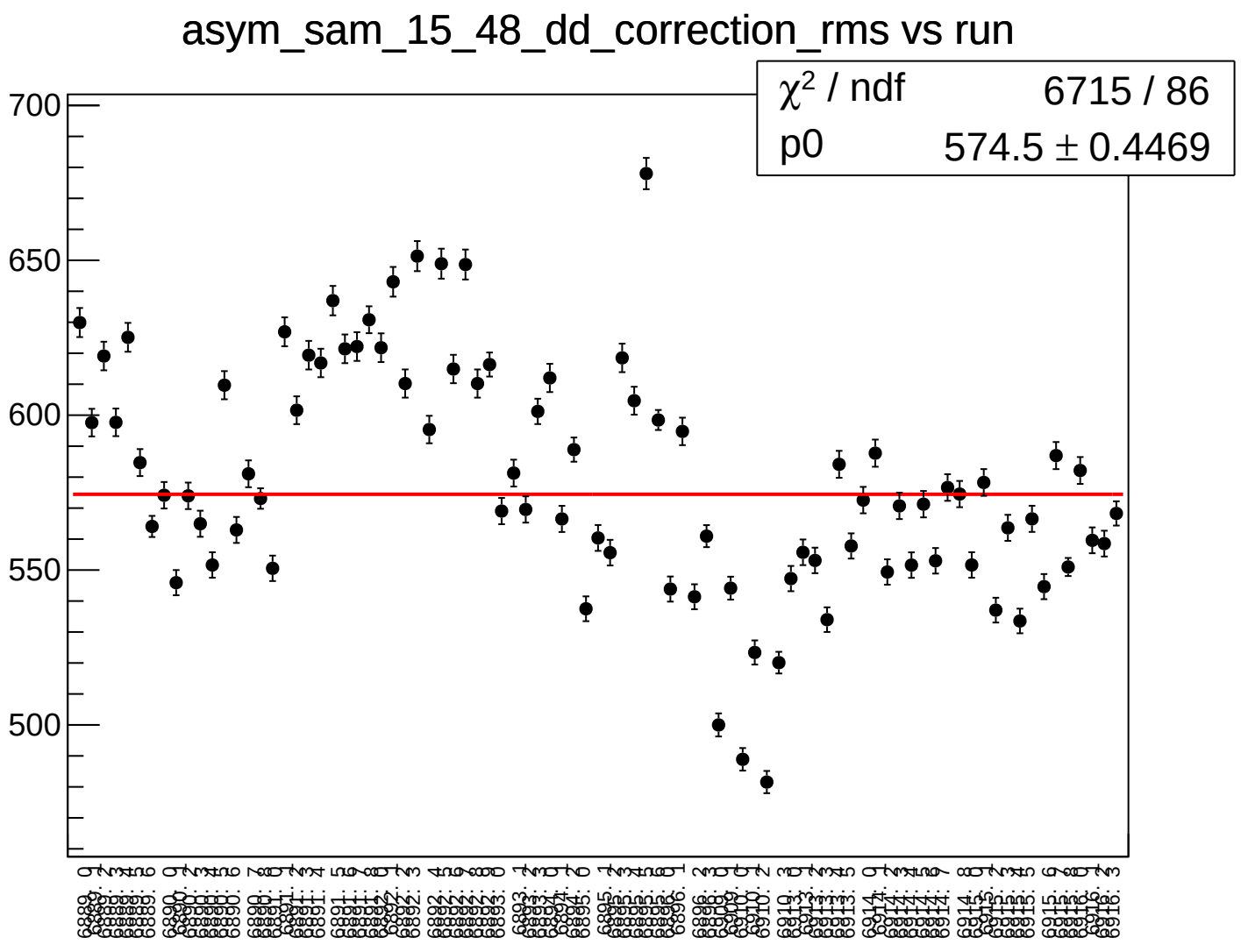

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 75.08 / 86
p0 47.15 ± 60.23
pull
Entries 87
Mean 252.2
Std Dev 244.8

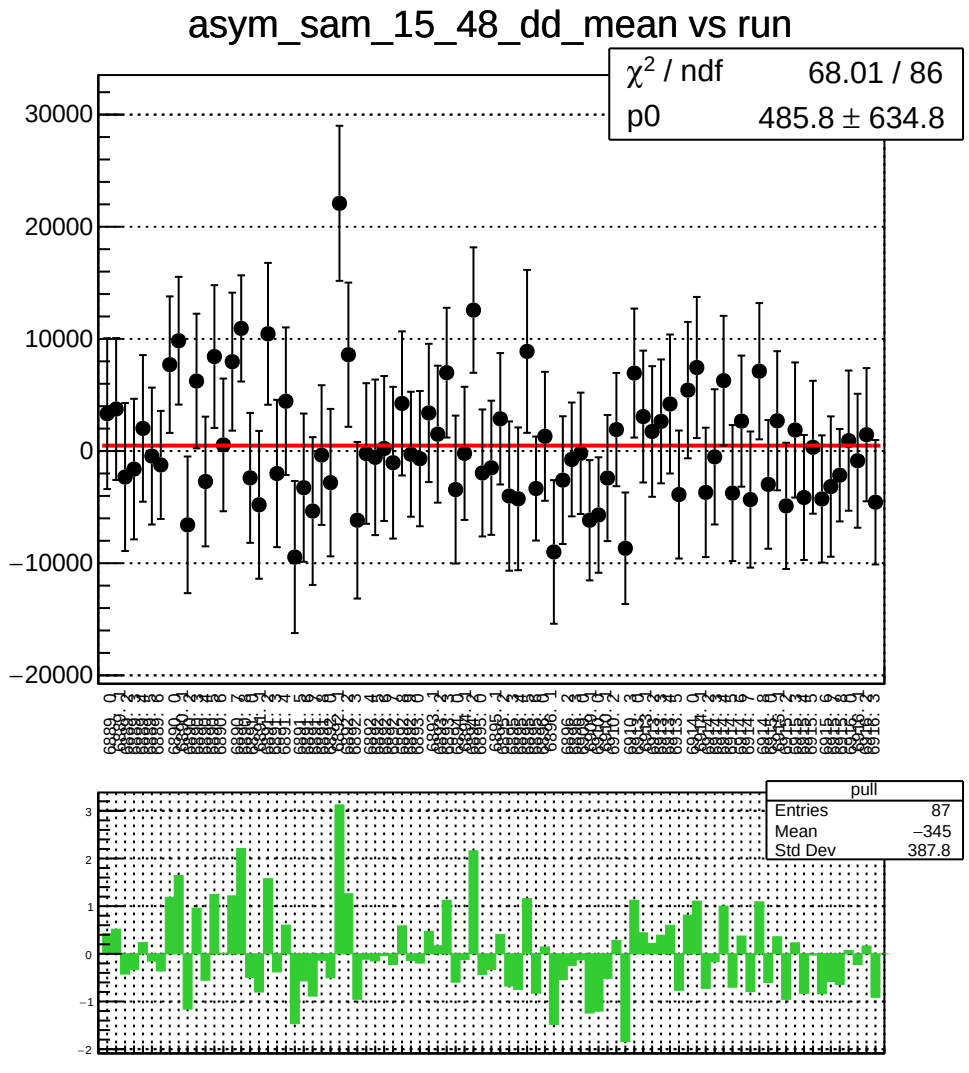

pull1D
Entries 87
Mean −0.004288
Std Dev 0.9289

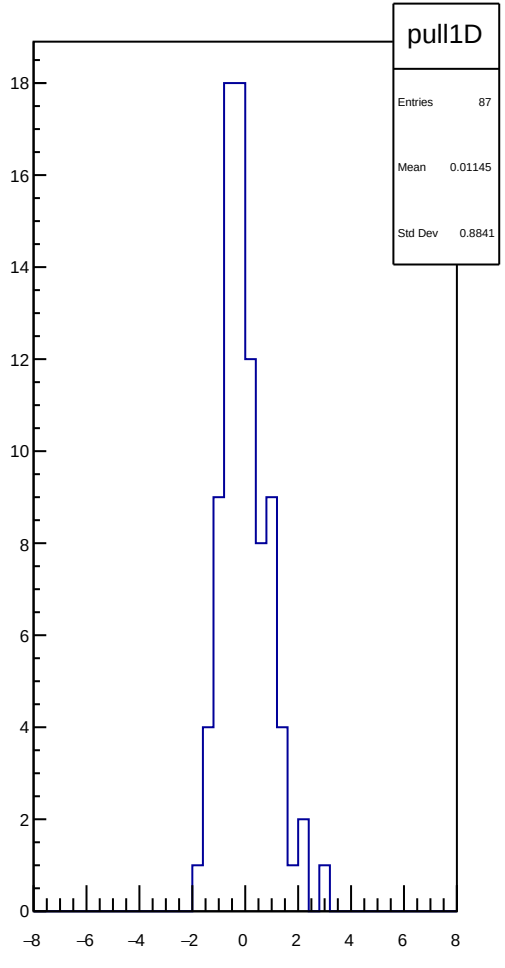

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1654 / 86
p0 54.82 ± 0.04259
62
60
58
56
54
52
50

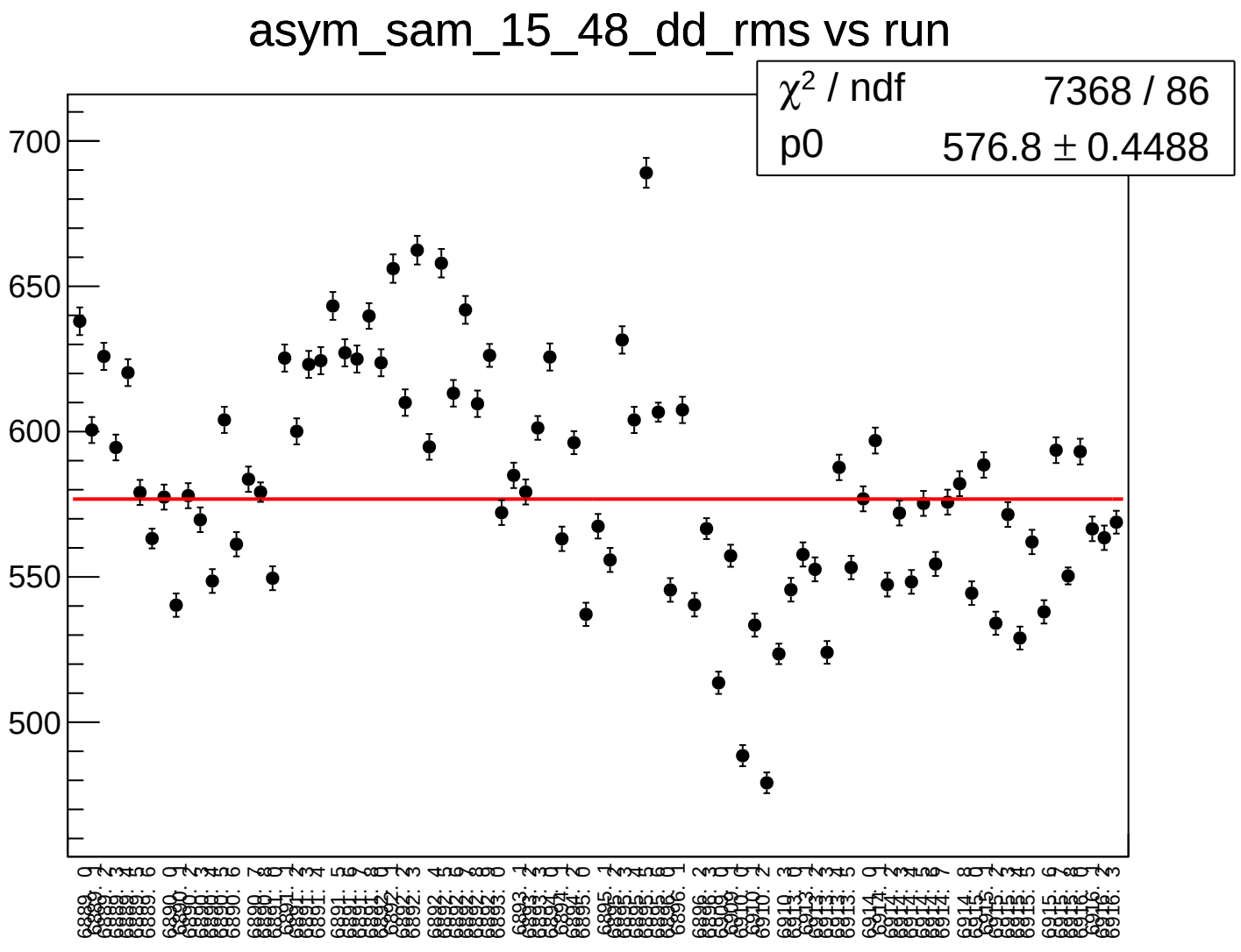

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 68.73 / 86
p0 −438 ± 632.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −320.8
Std Dev 364.2
2
1
0
−1
−2
−3

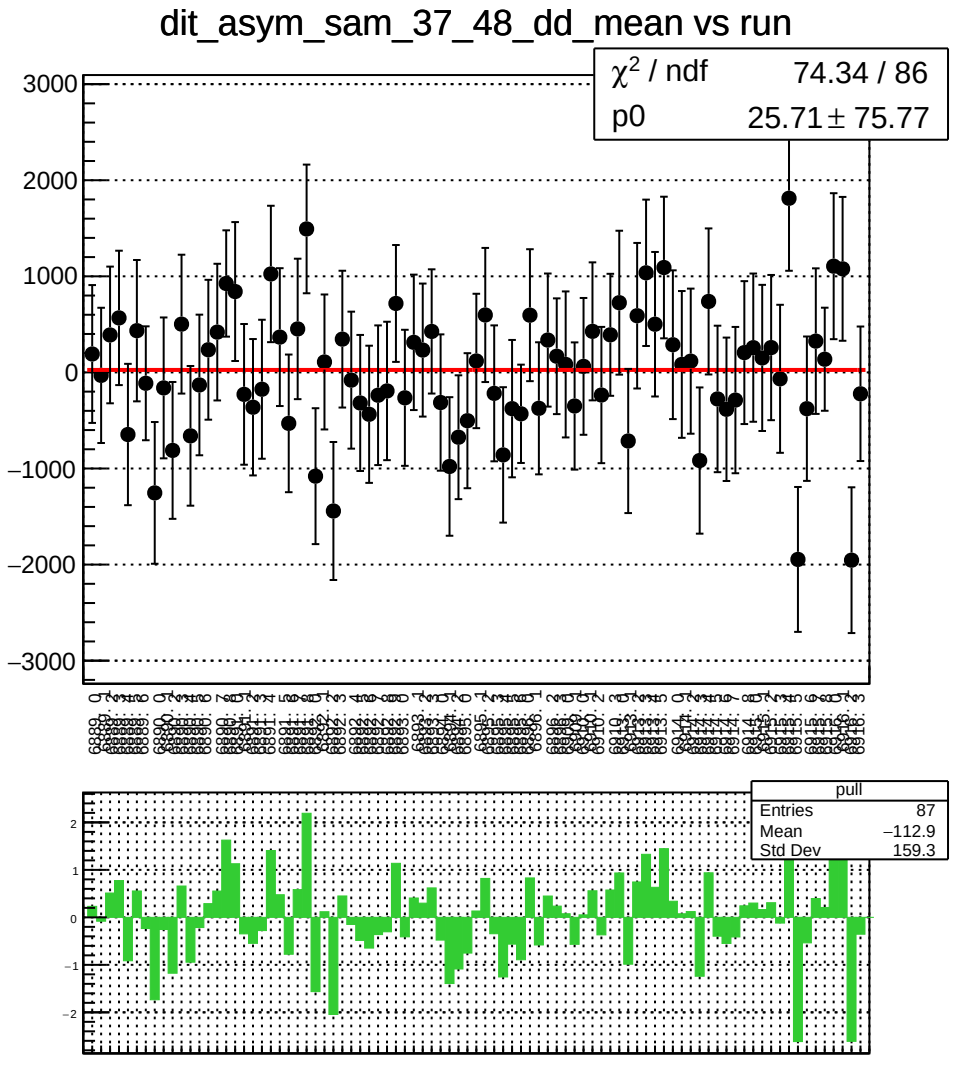

pull1D
Entries 87
Mean −0.01201
Std Dev 0.8887
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

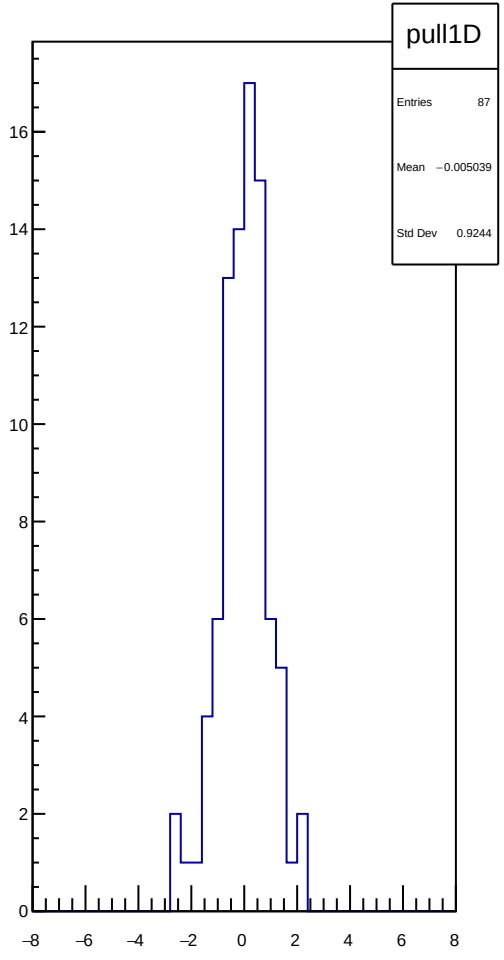

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 6715 / 86
p0 574.5 ± 0.4469
700
650
600
550
500

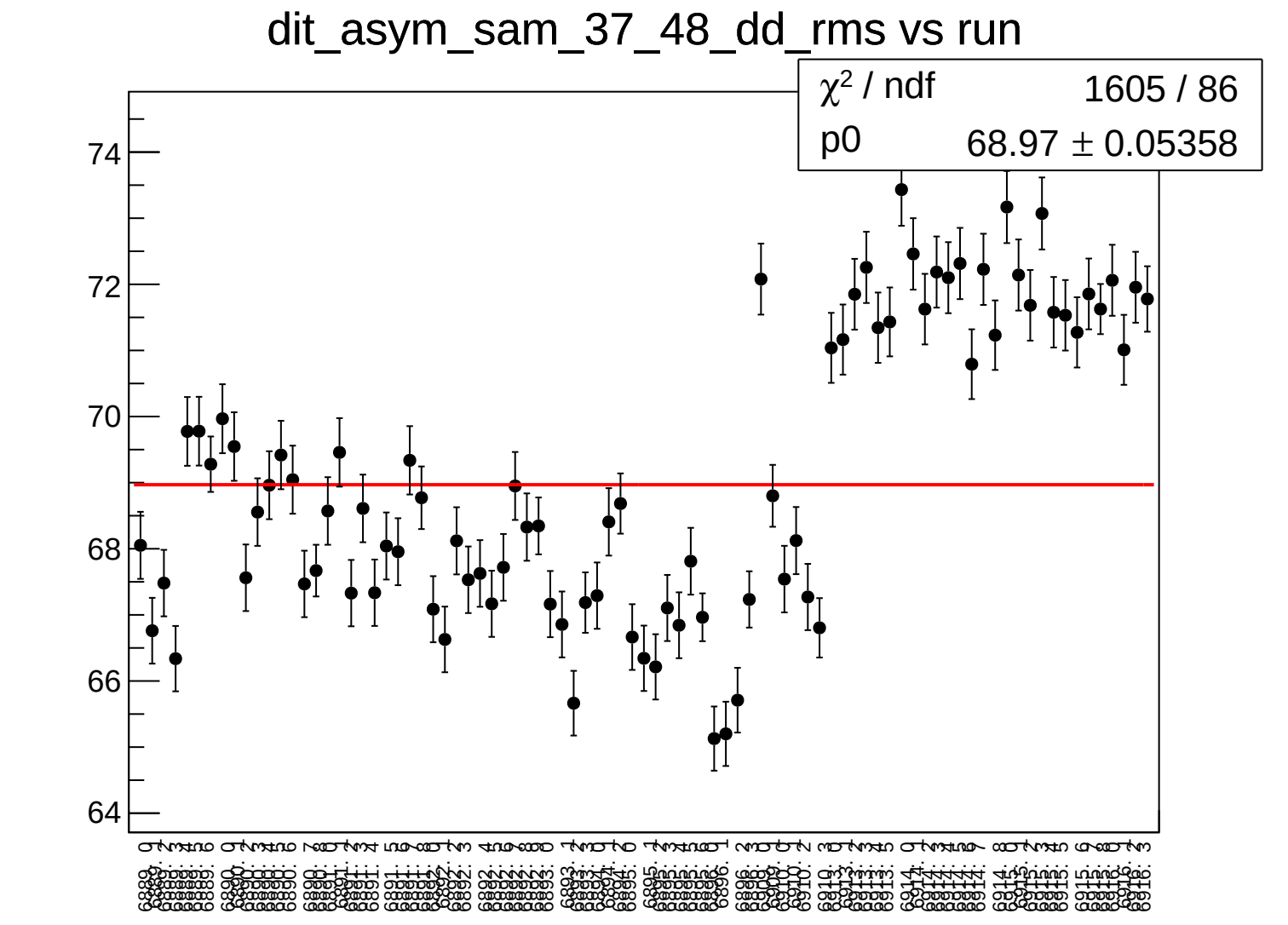

asym_sam_15_48_dd_mean vs run
χ² / ndf 68.01 / 86
p0 485.8 ± 634.8
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −345
Std Dev 387.8
3
2
1
0
−1
−2

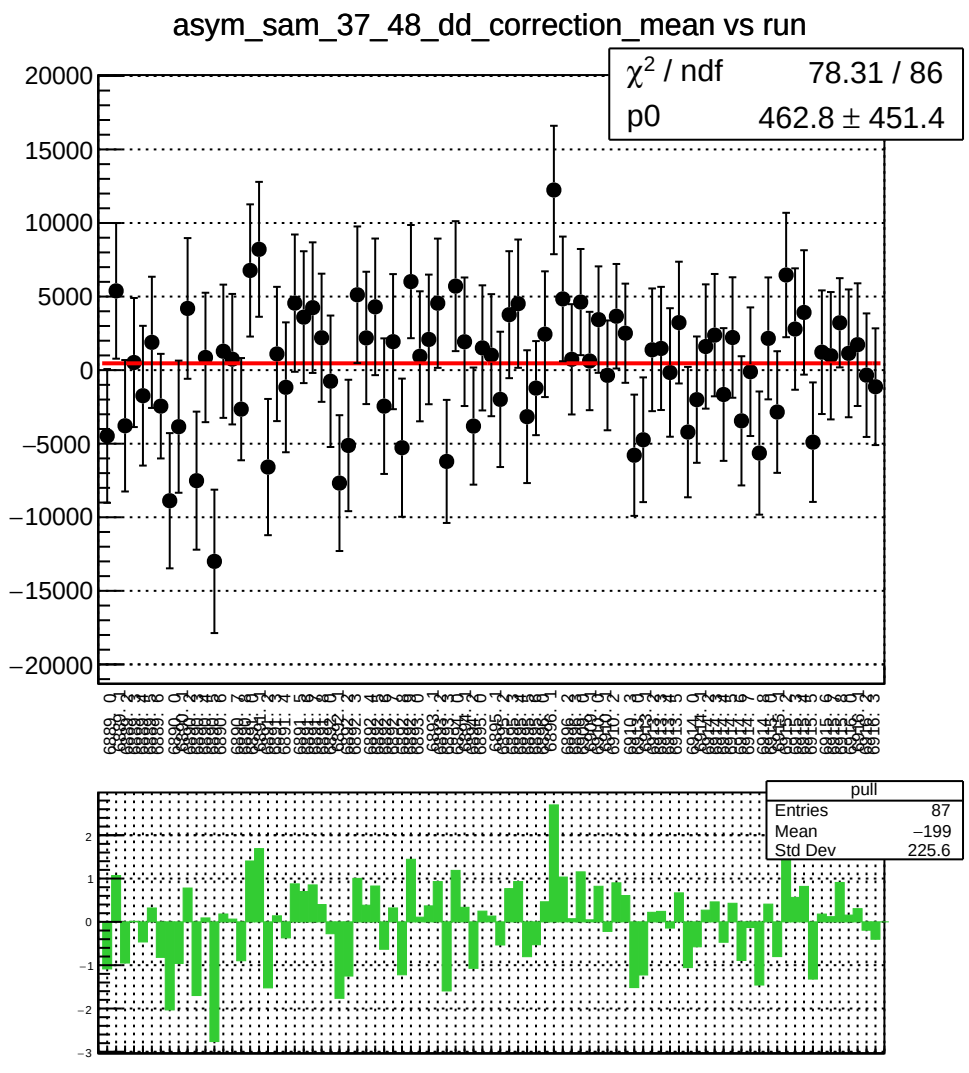

pull1D
Entries 87
Mean 0.01145
Std Dev 0.8841
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

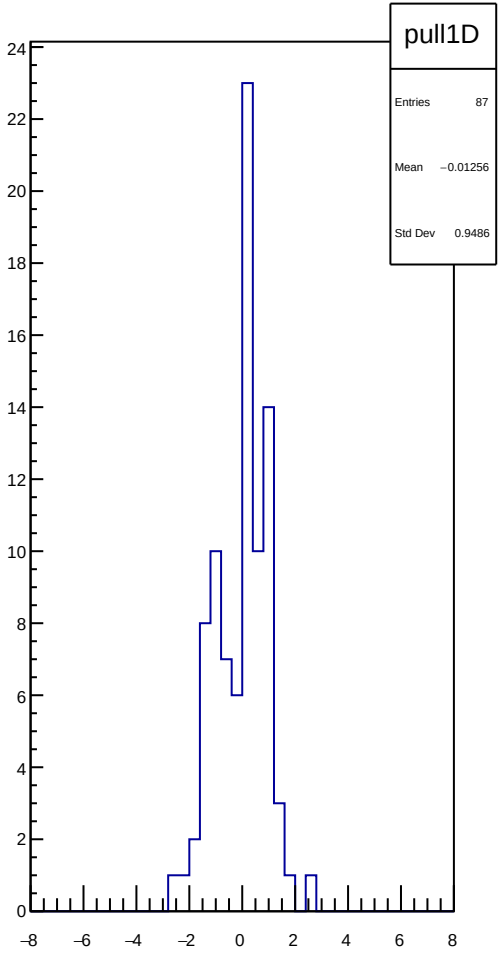

asym_sam_15_48_dd_rms vs run
χ² / ndf 7368 / 86
p0 576.8 ± 0.4488
700
650
600
550
500

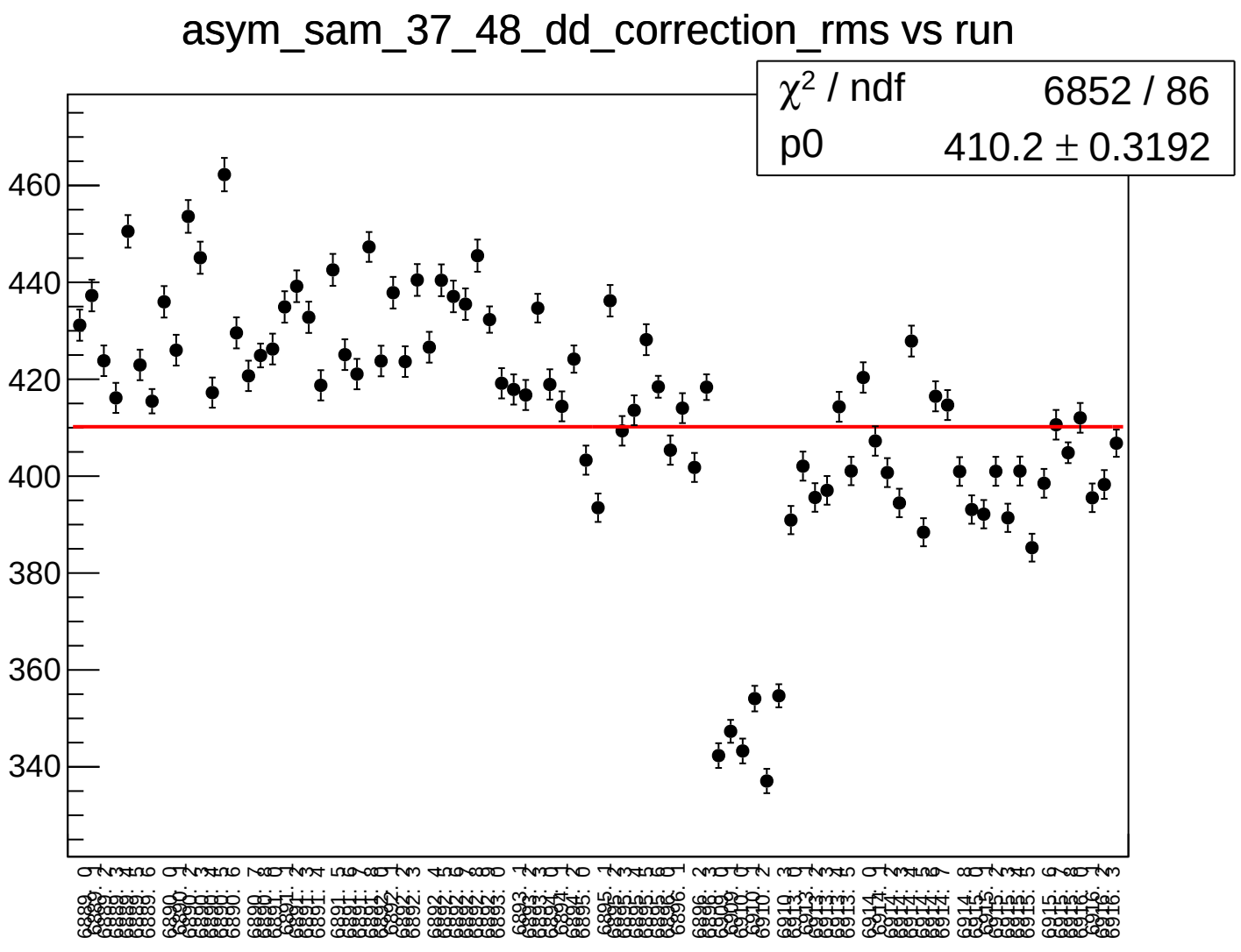

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 74.34 / 86
p0 25.71 ± 75.77
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −112.9
Std Dev 159.3
2
1
0
−1
−2

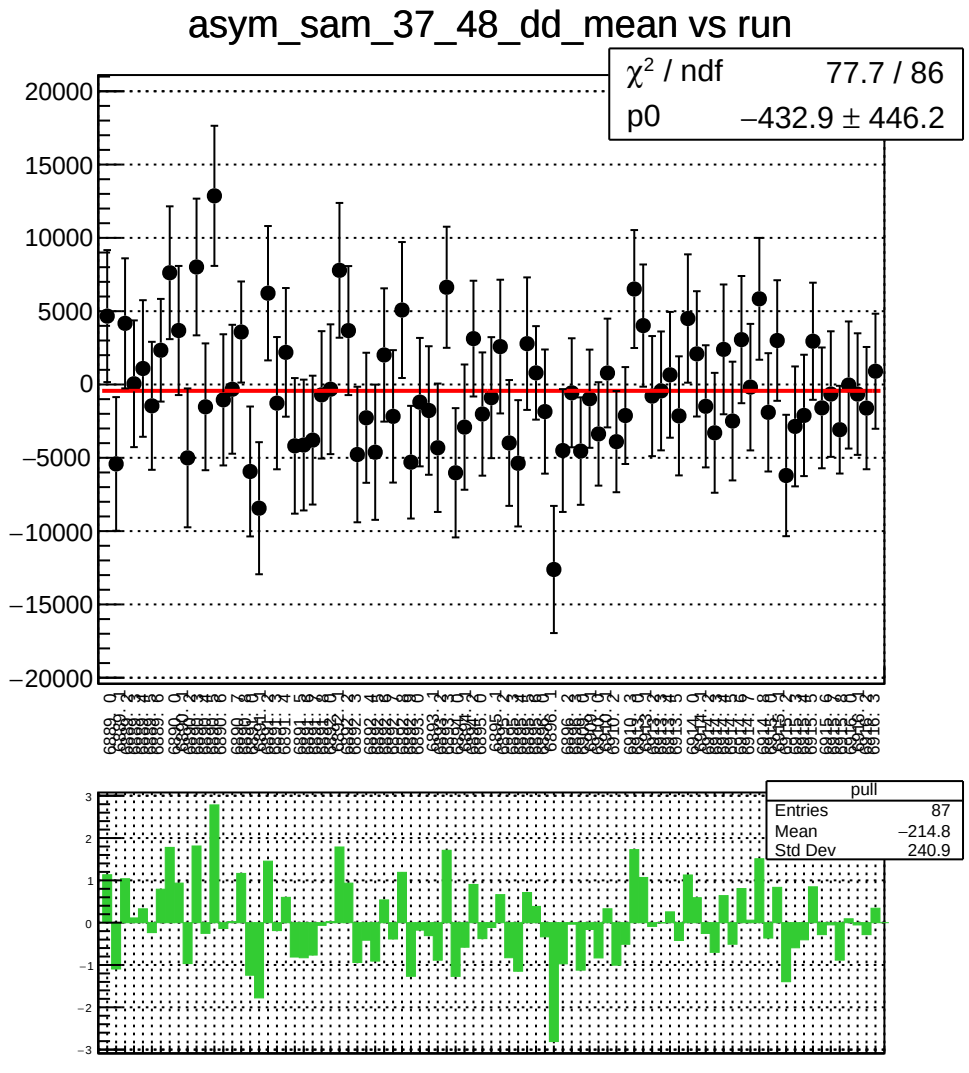

pull1D
Entries 87
Mean −0.005039
Std Dev 0.9244
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

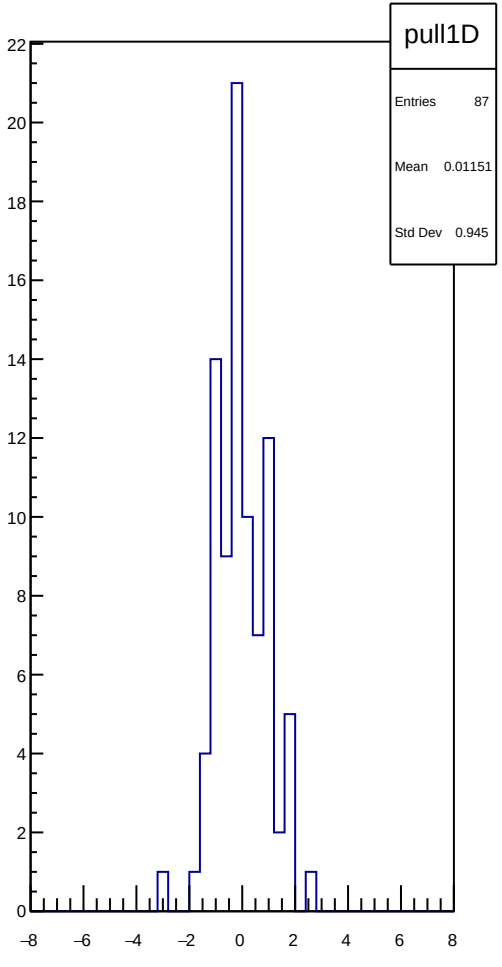

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1605 / 86
p0 68.97 ± 0.05358
74
72
70
68
66
64

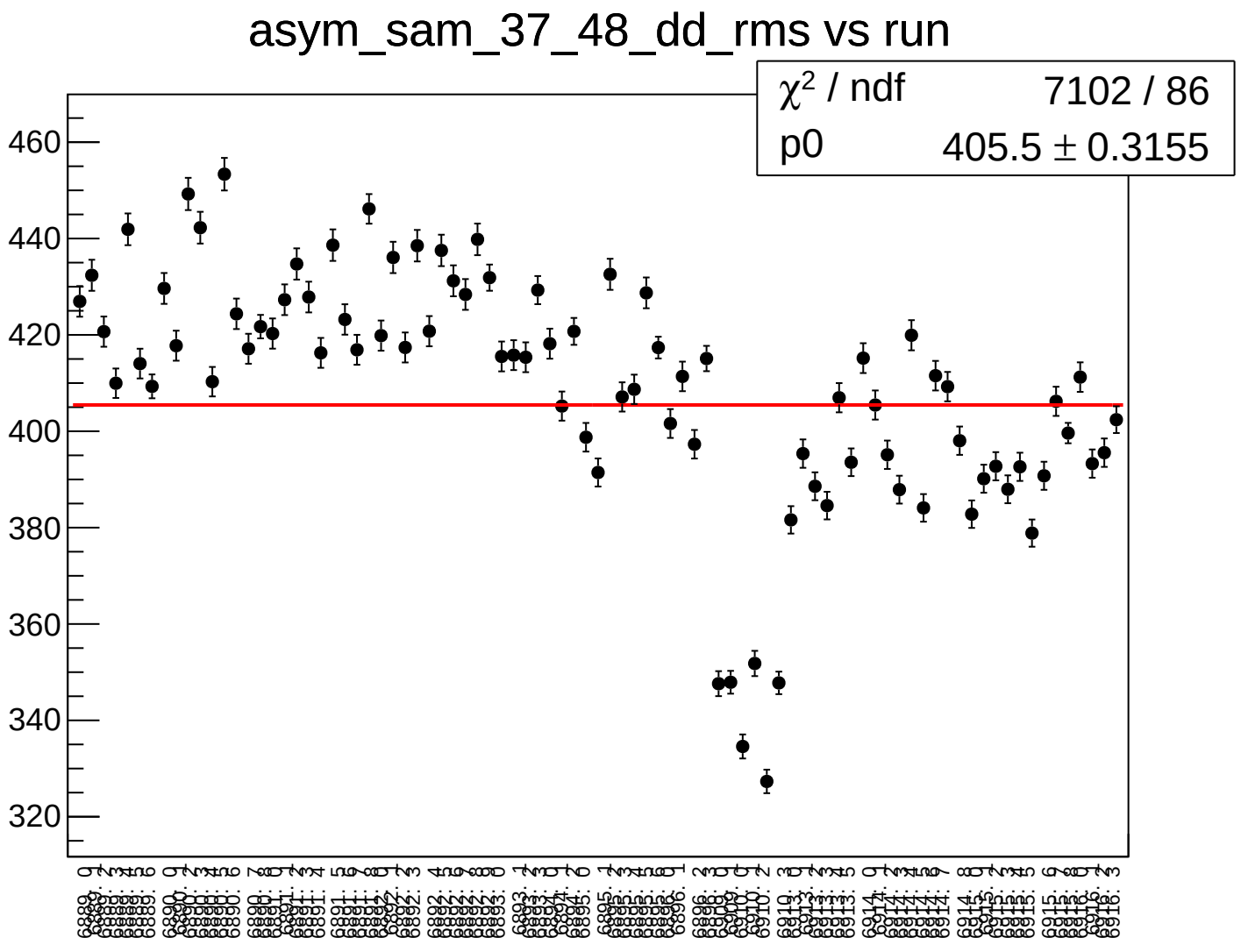

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 78.31 / 86
p0 462.8 ± 451.4
pull
Entries 87
Mean −199
Std Dev 225.6

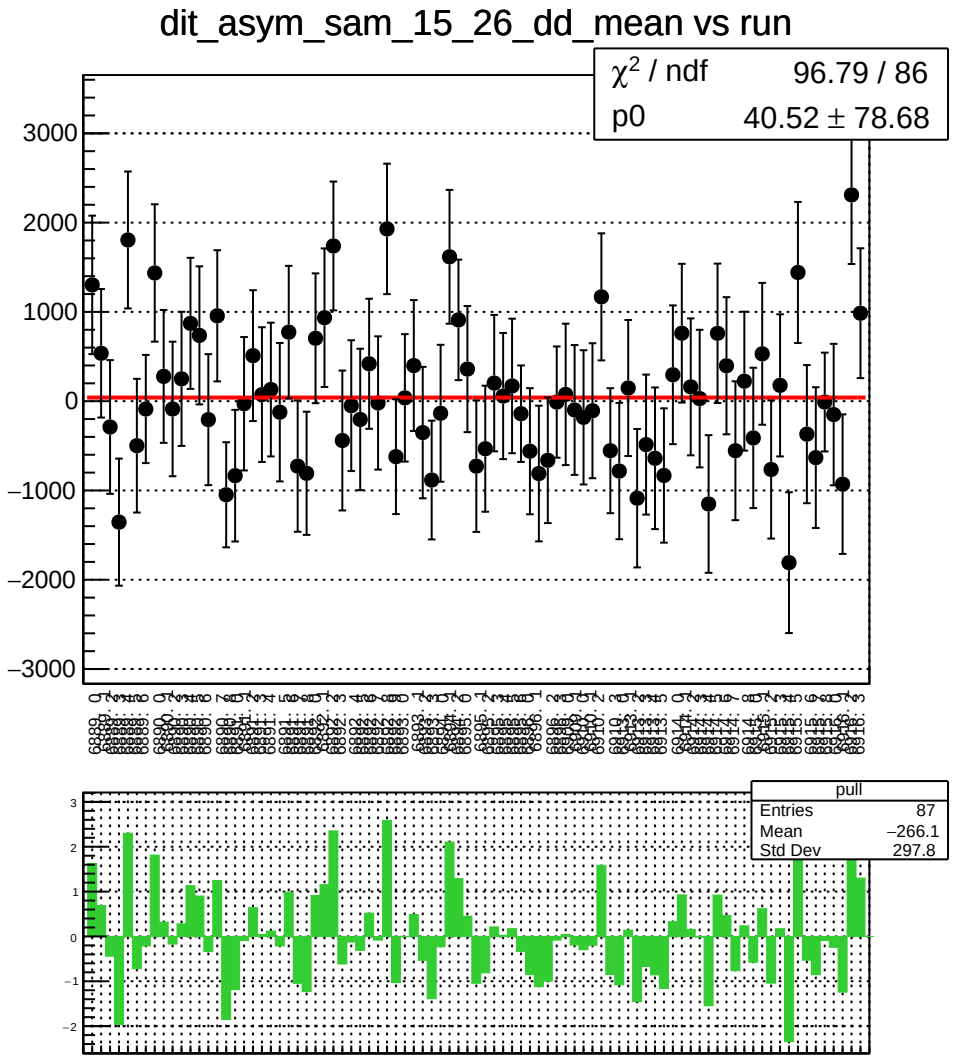

pull1D
Entries 87
Mean −0.01256
Std Dev 0.9486

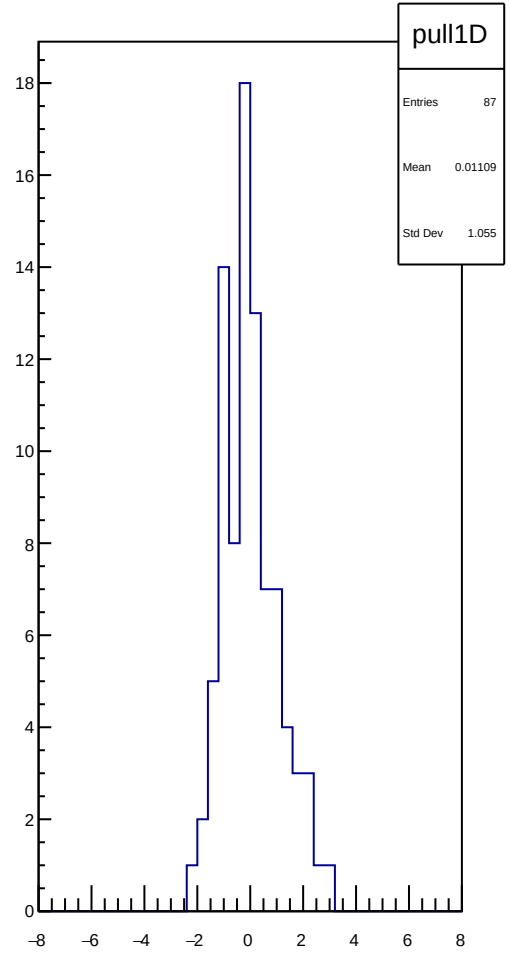

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 6852 / 86
p0 410.2 ± 0.3192
460
440
420
400
380
360
340

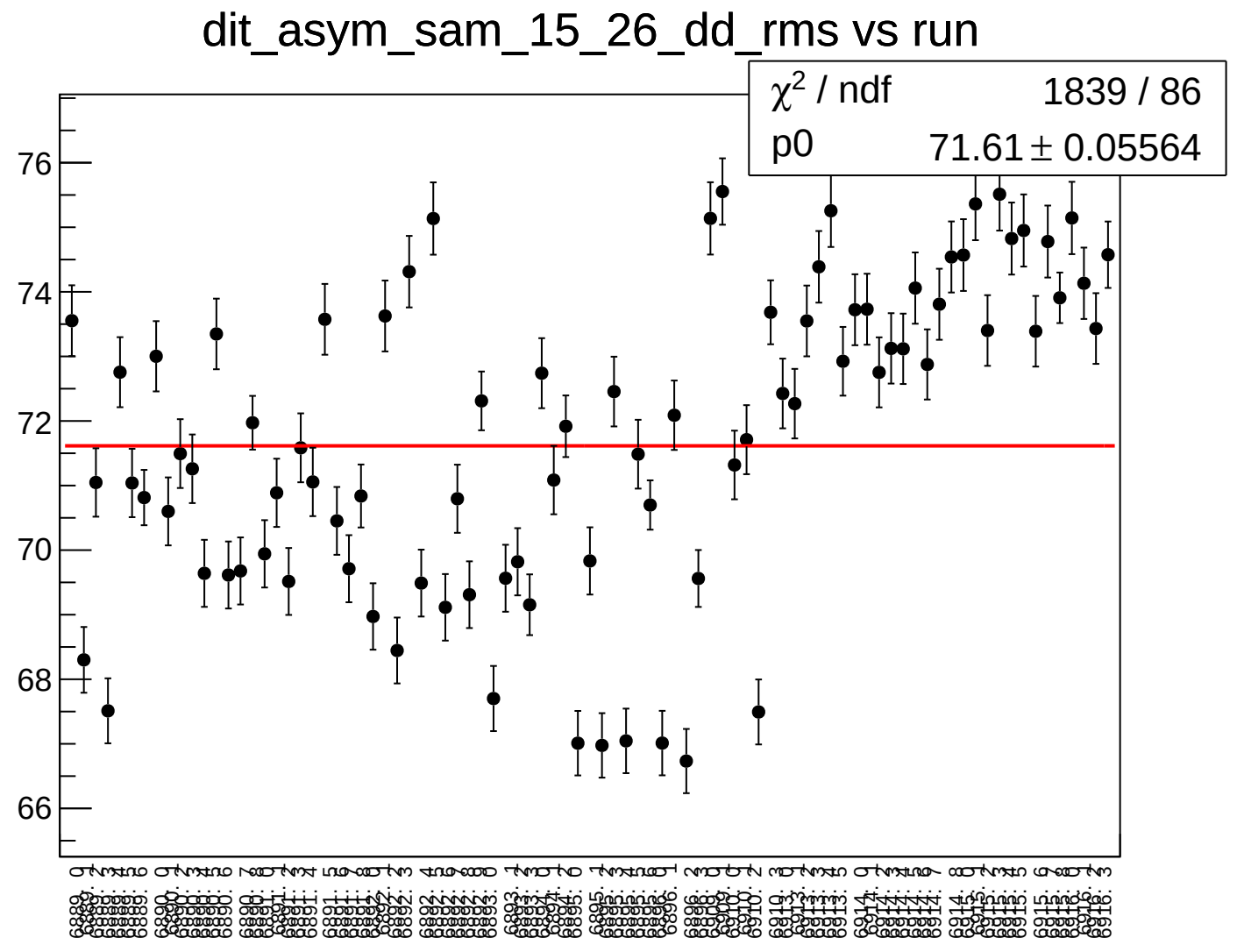

asym_sam_37_48_dd_mean vs run
χ² / ndf 77.7 / 86
p0 −432.9 ± 446.2
pull
Entries 87
Mean −214.8
Std Dev 240.9

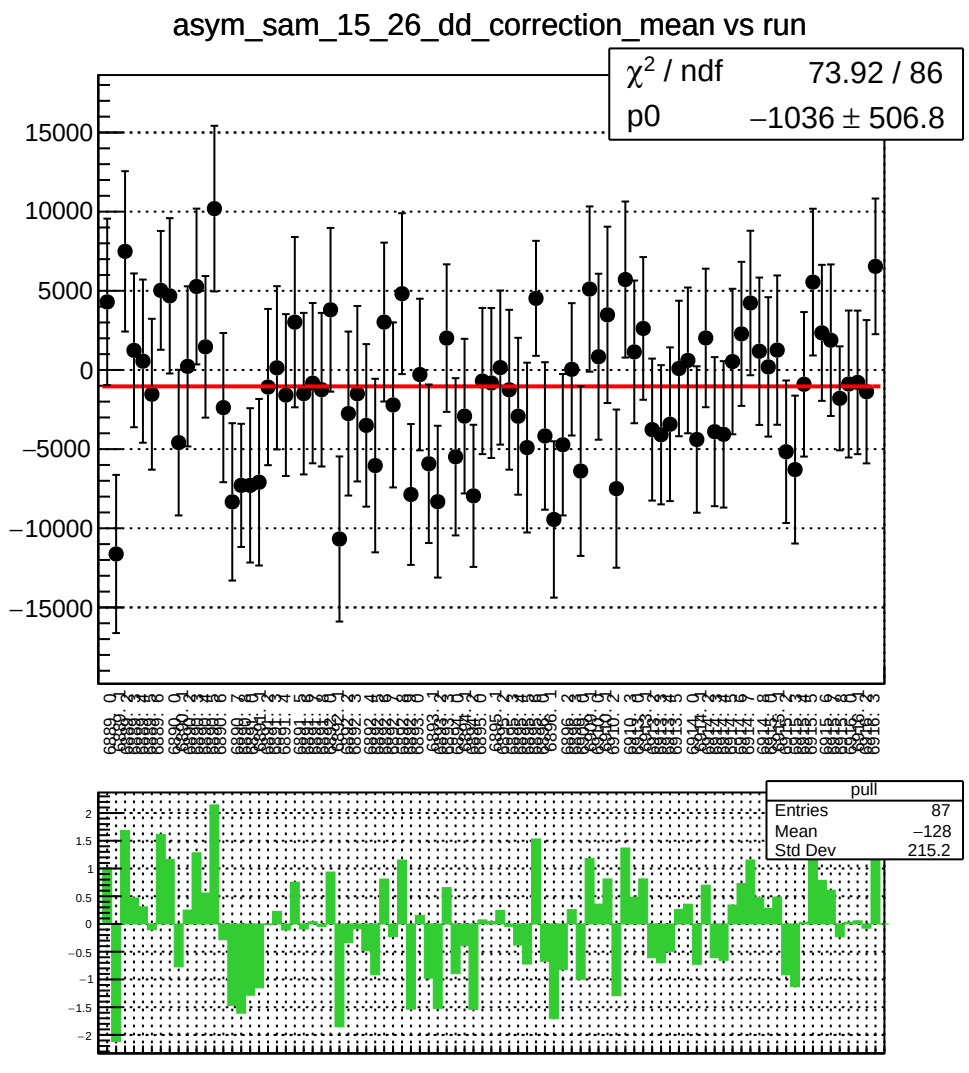

pull1D
Entries 87
Mean 0.01151
Std Dev 0.945

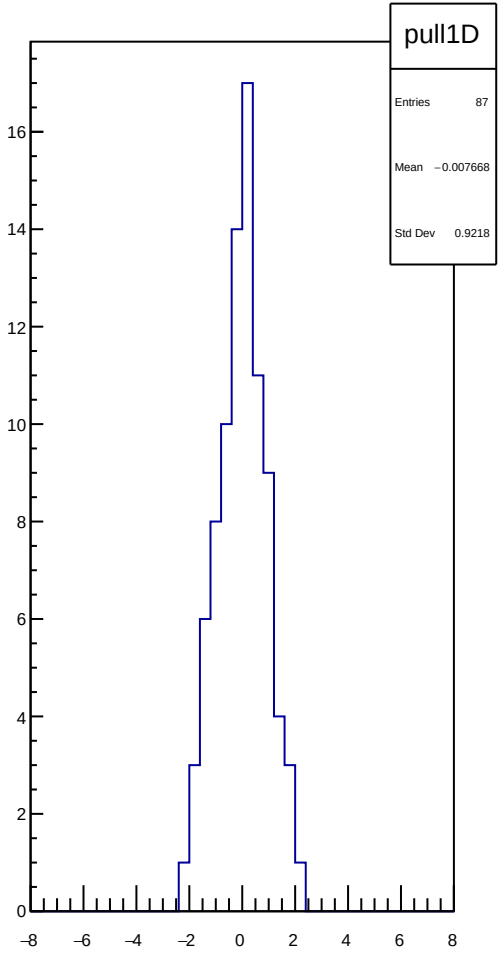

asym_sam_37_48_dd_rms vs run
χ² / ndf 7102 / 86
p0 405.5 ± 0.3155
460
440
420
400
380
360
340
320

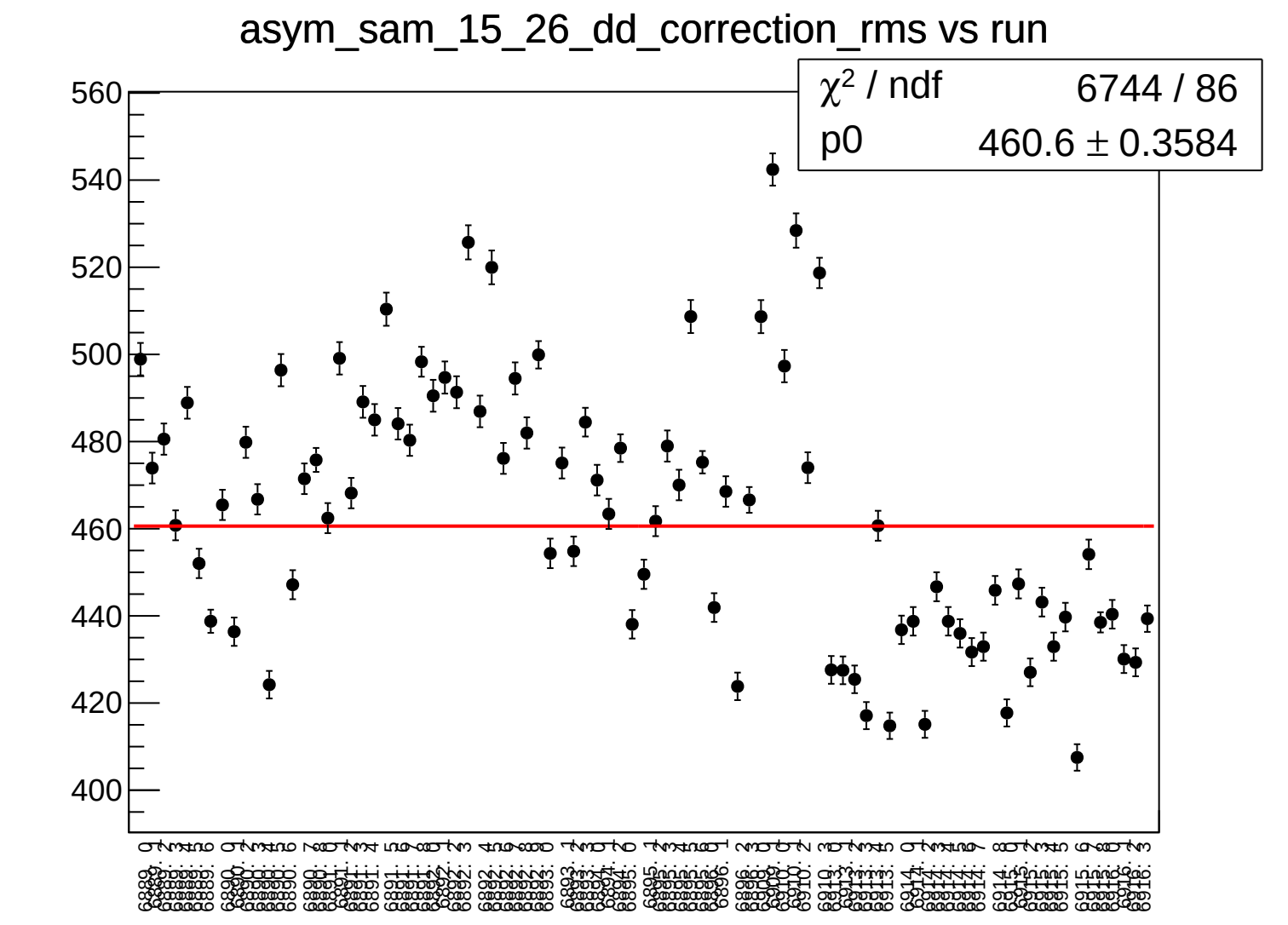

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 96.79 / 86
p0 40.52 ± 78.68
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −266.1
Std Dev 297.8
3
2
1
0
−1
−2

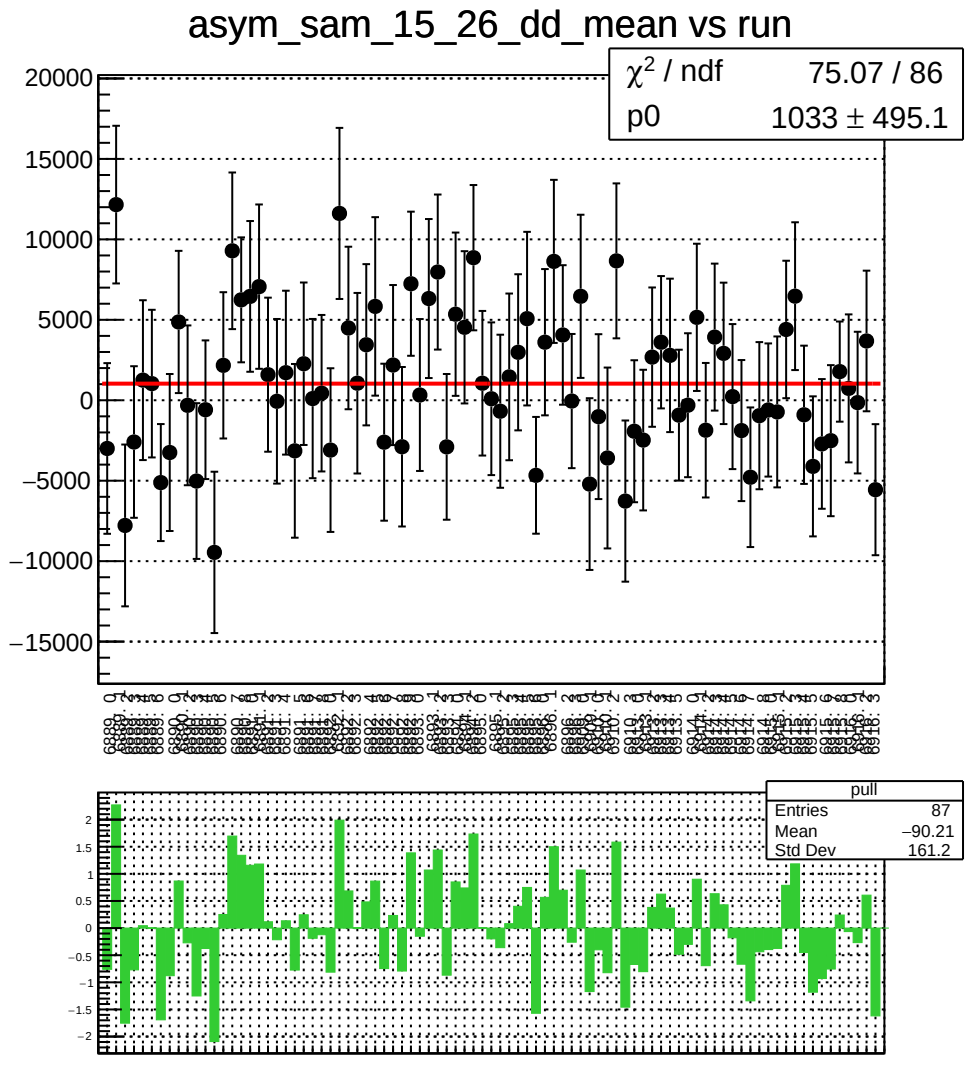

pull1D
Entries 87
Mean 0.01109
Std Dev 1.055
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

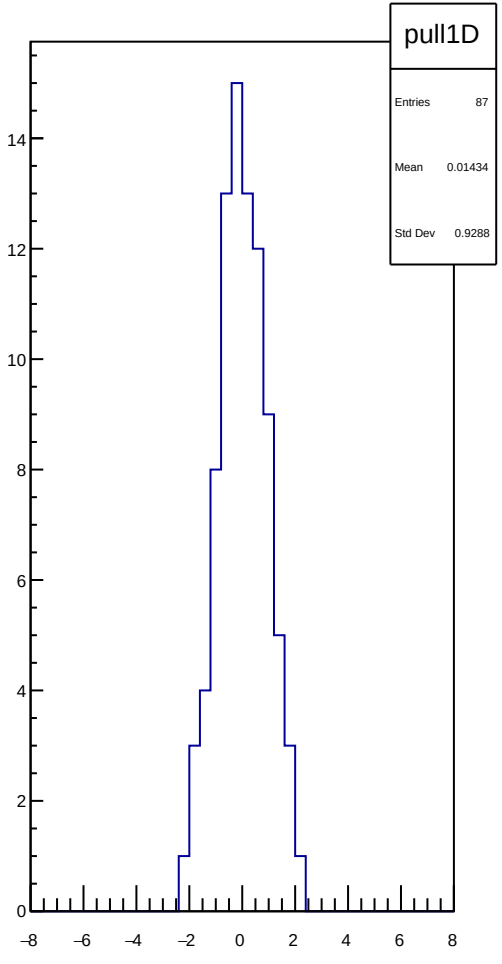

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1839 / 86
p0 71.61 ± 0.05564
76
74
72
70
68
66

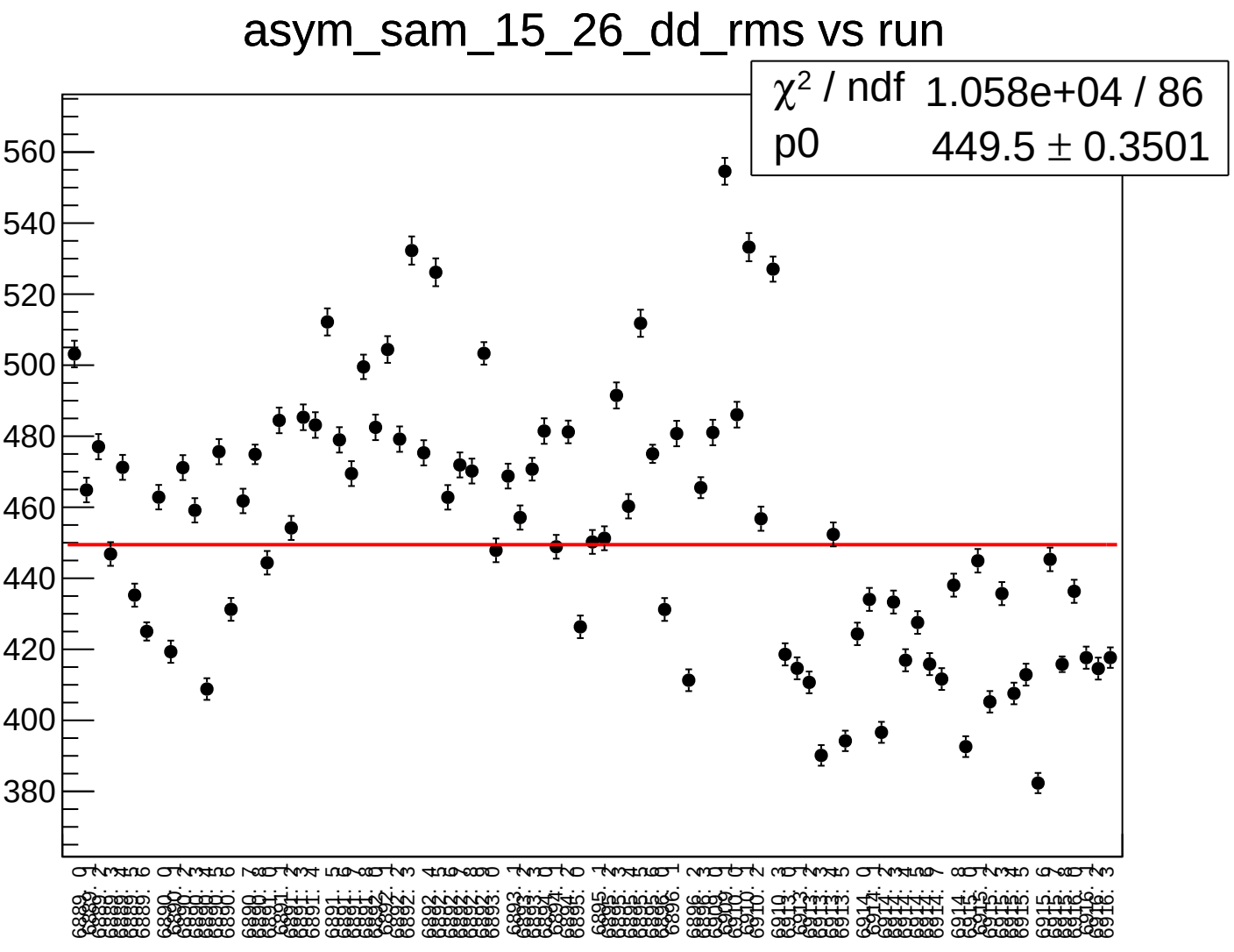

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 73.92 / 86
p0 −1036 ± 506.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −128
Std Dev 215.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

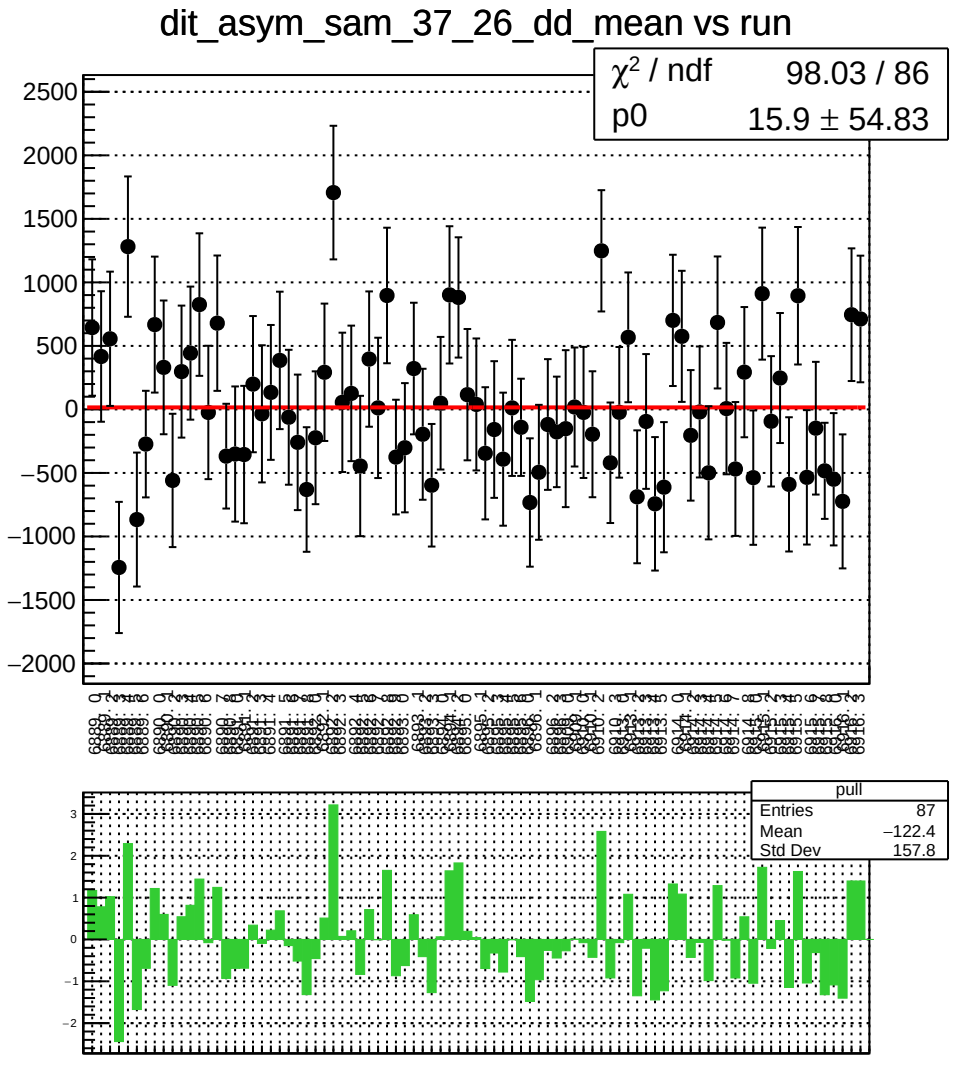

pull1D
Entries 87
Mean −0.007668
Std Dev 0.9218
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

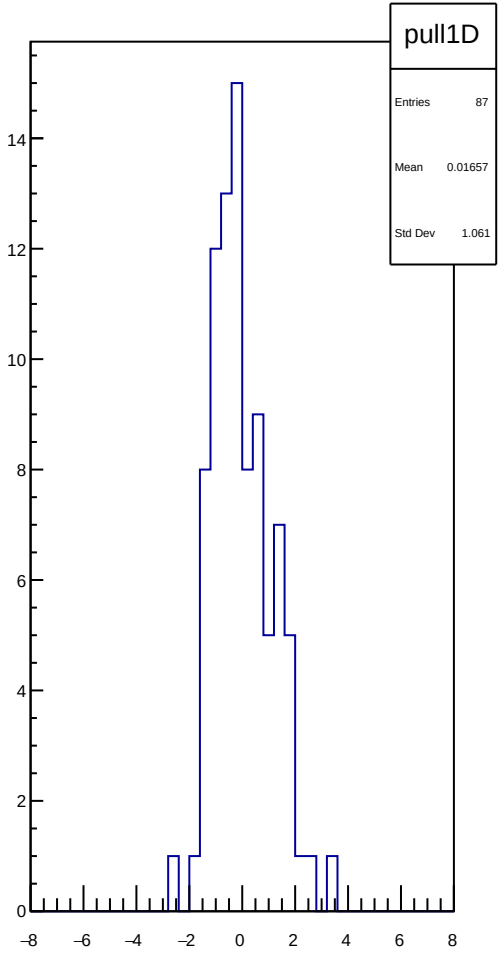

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 6744 / 86
p0 460.6 ± 0.3584
560
540
520
500
480
460
440
420
400

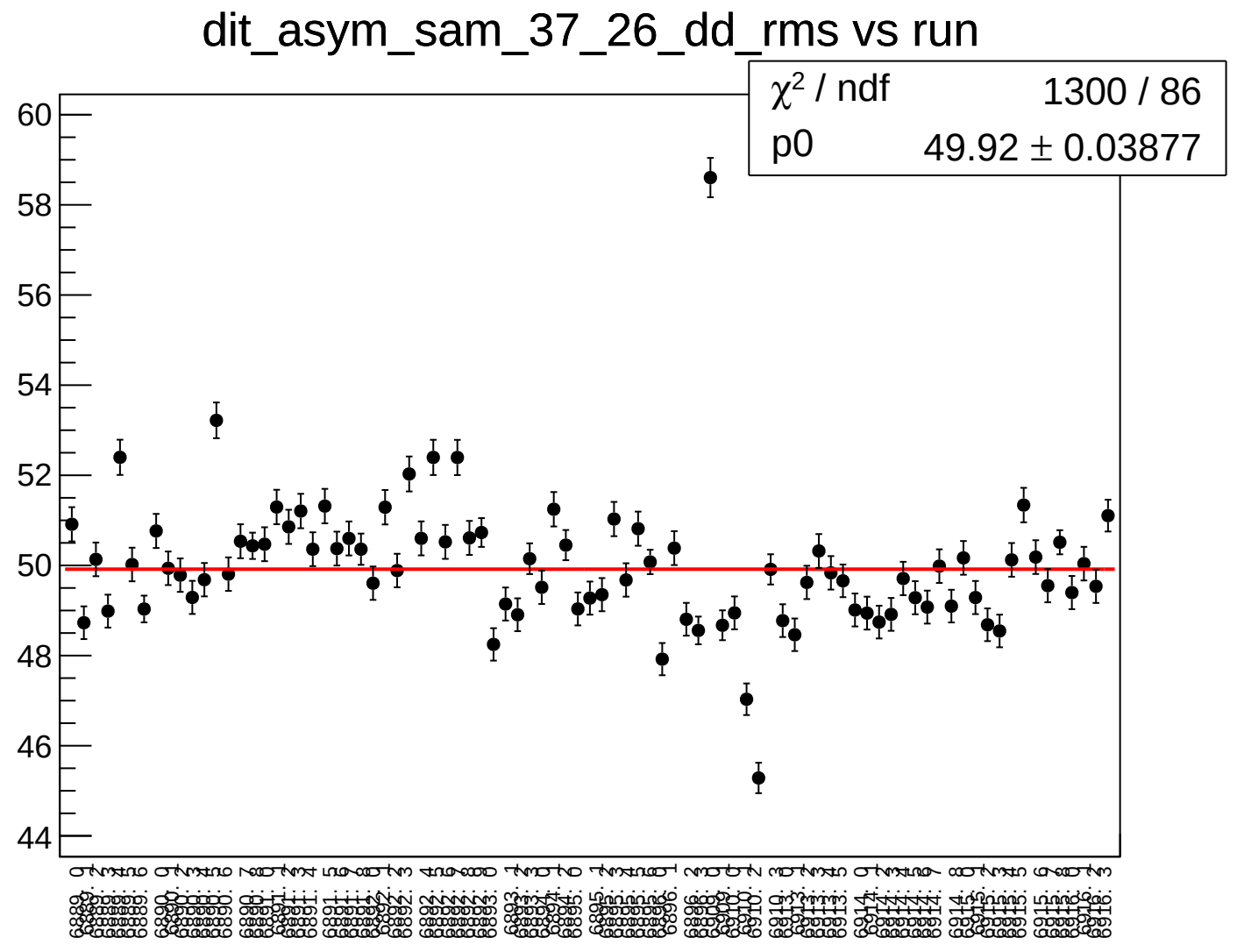

asym_sam_15_26_dd_mean vs run
χ² / ndf 75.07 / 86
p0 1033 ± 495.1
pull
Entries 87
Mean −90.21
Std Dev 161.2

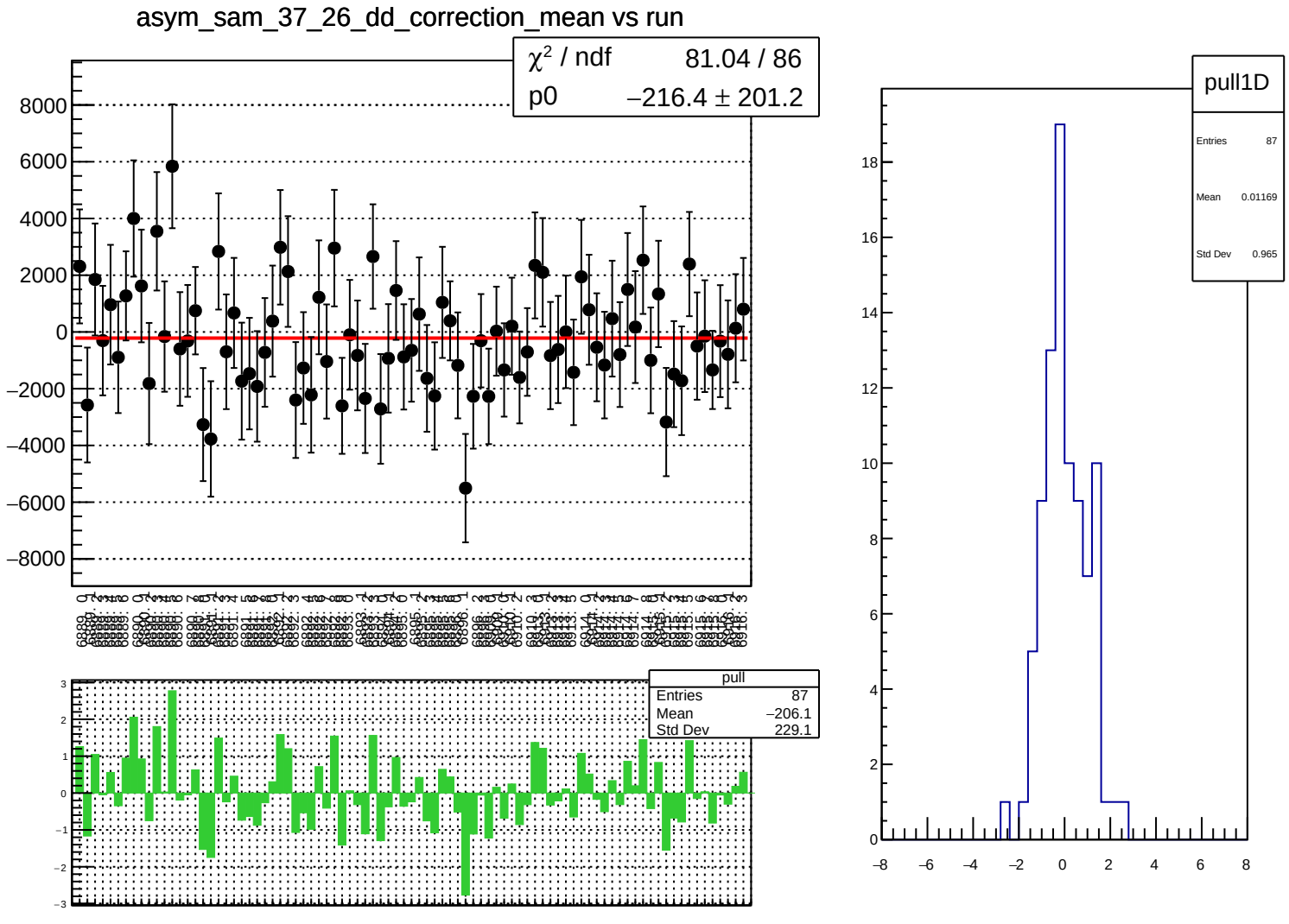

pull1D
Entries 87
Mean 0.01434
Std Dev 0.9288

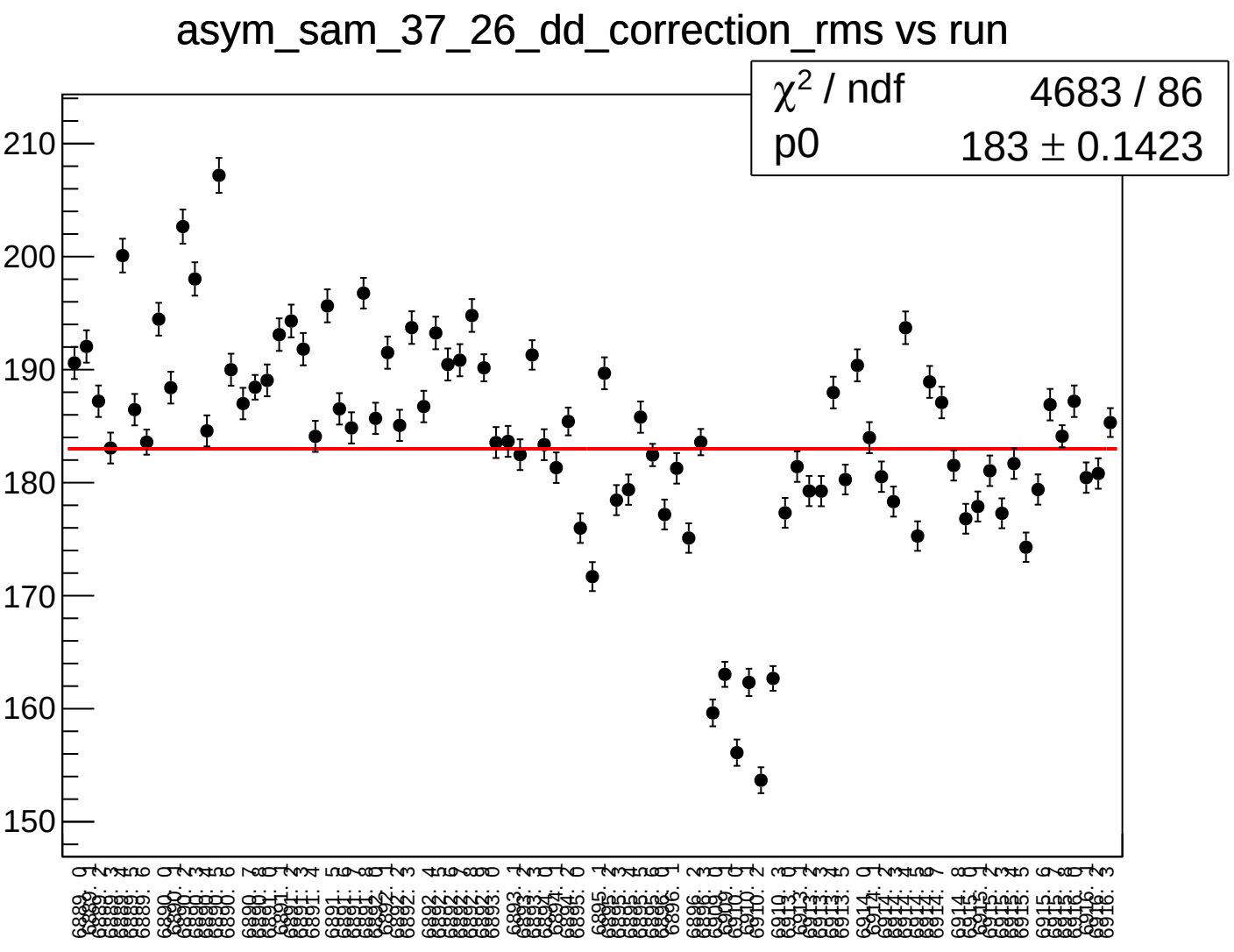

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.058e+04 / 86
p0 449.5 ± 0.3501
560
540
520
500
480
460
440
420
400
380

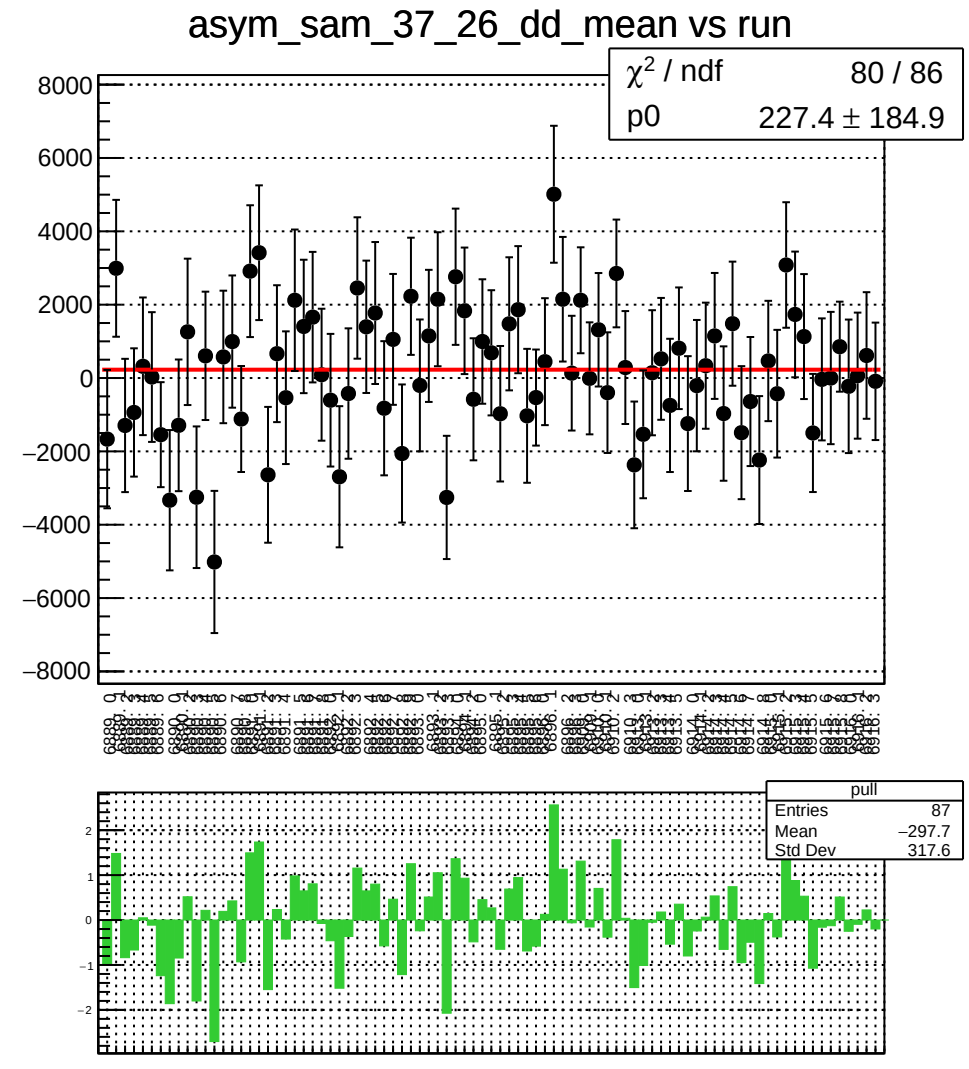

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 98.03 / 86
p0 15.9 ± 54.83
pull
Entries 87
Mean −122.4
Std Dev 157.8

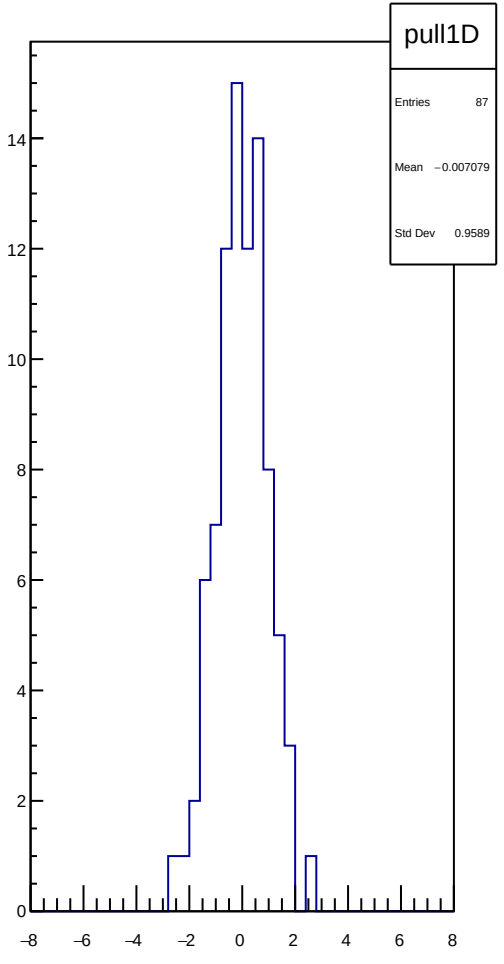

pull1D
Entries 87
Mean 0.01657
Std Dev 1.061

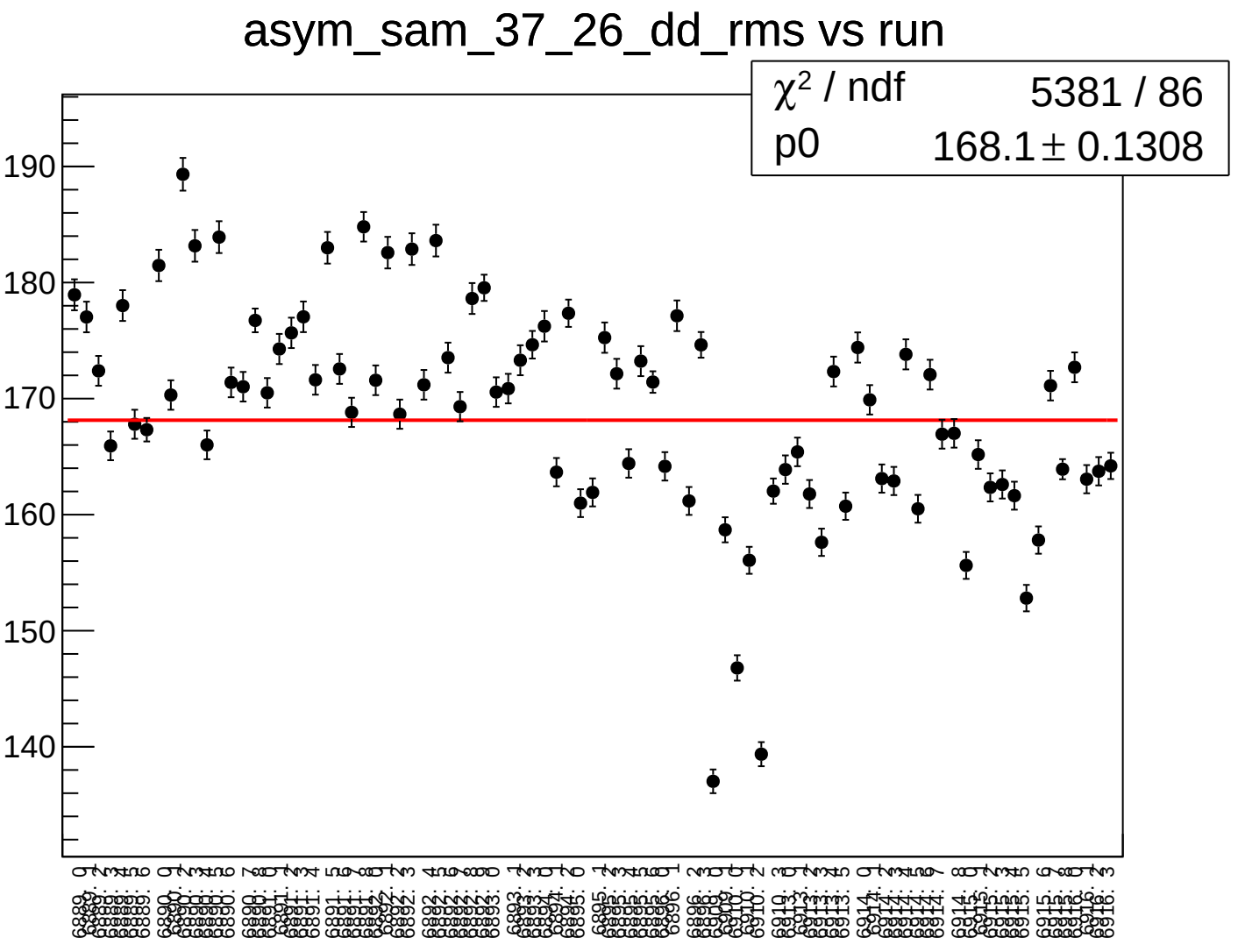

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1300 / 86
p0 49.92 ± 0.03877
60
58
56
54
52
50
48
46
44

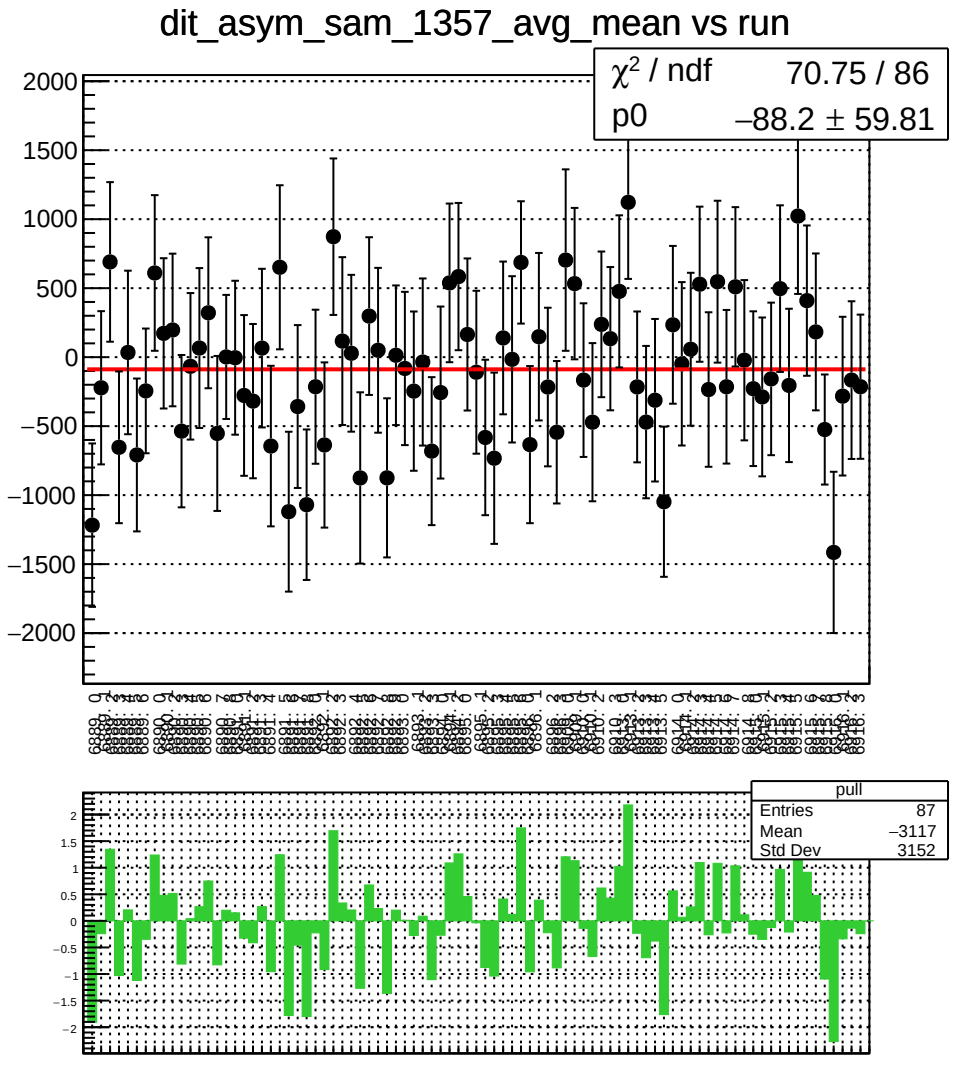

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 81.04 / 86
p0 −216.4 ± 201.2
pull
Entries 87
Mean −206.1
Std Dev 229.1
pull1D
Entries 87
Mean 0.01169
Std Dev 0.965

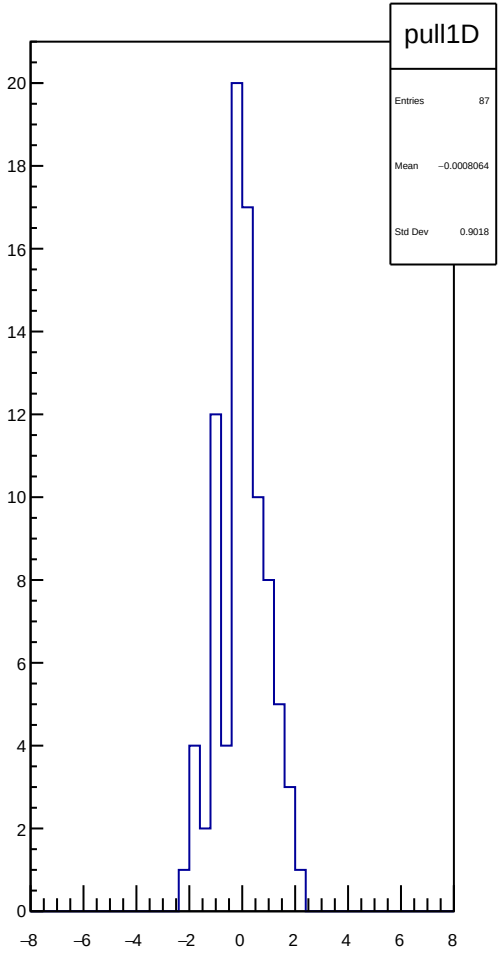

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4683 / 86
p0 183 ± 0.1423
210
200
190
180
170
160
150

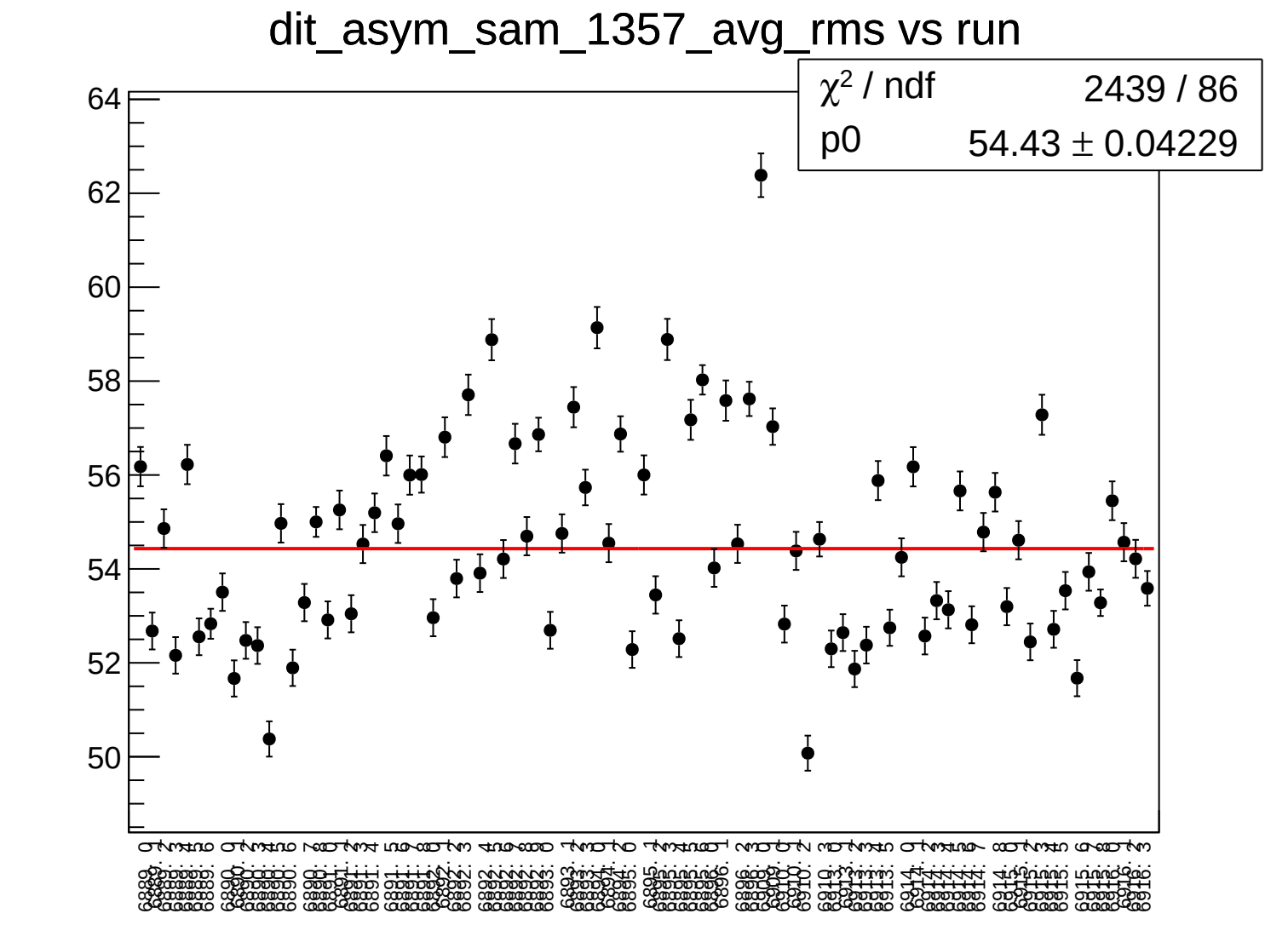

asym_sam_37_26_dd_mean vs run
χ² / ndf 80 / 86
p0 227.4 ± 184.9
pull
Entries 87
Mean −297.7
Std Dev 317.6

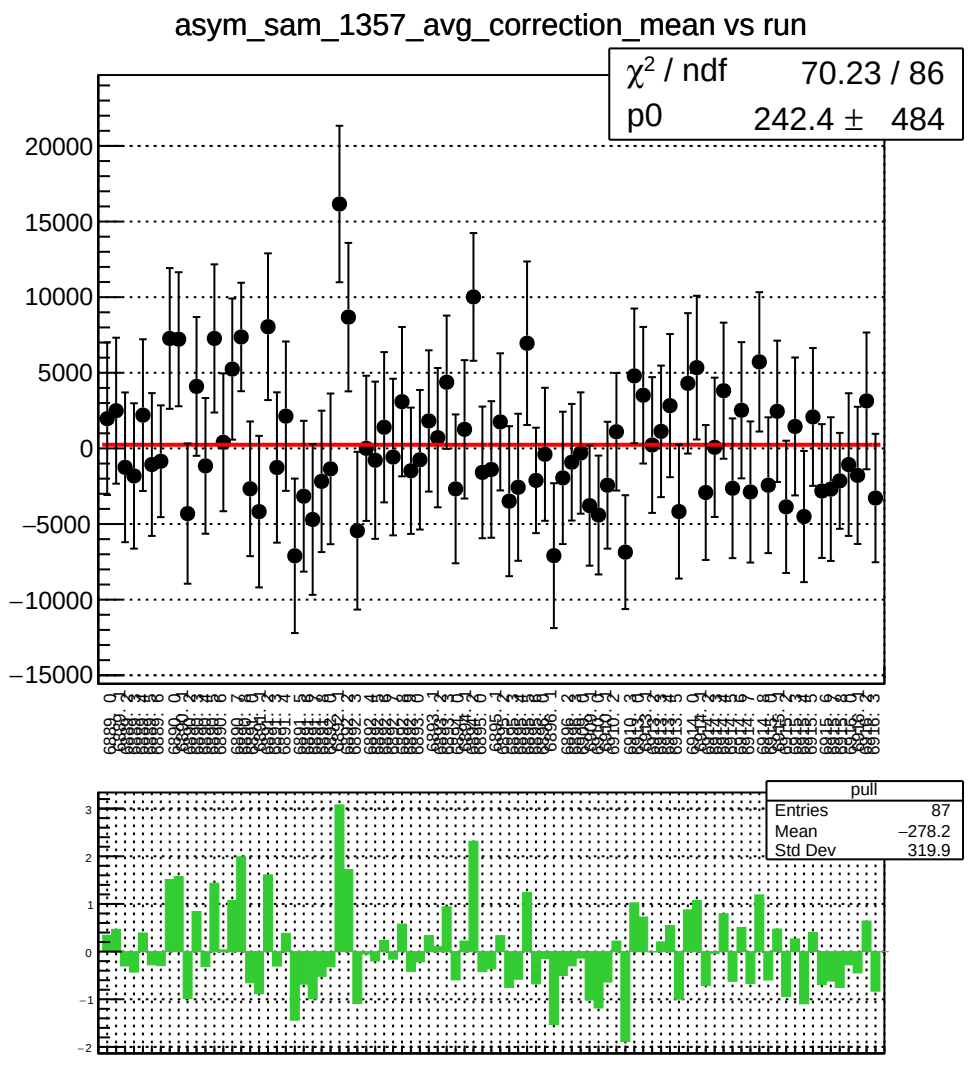

pull1D
Entries 87
Mean −0.007079
Std Dev 0.9589

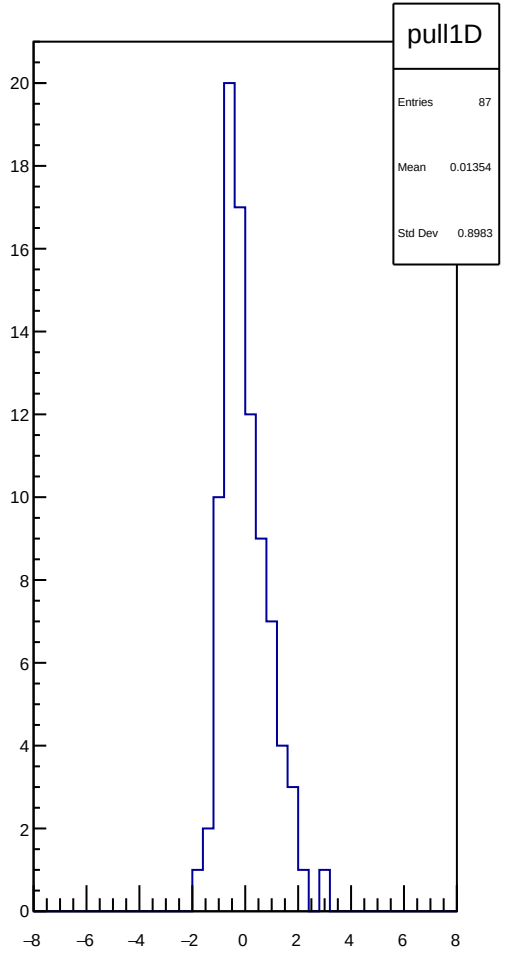

asym_sam_37_26_dd_rms vs run
χ² / ndf 5381 / 86
p0 168.1 ± 0.1308
190
180
170
160
150
140

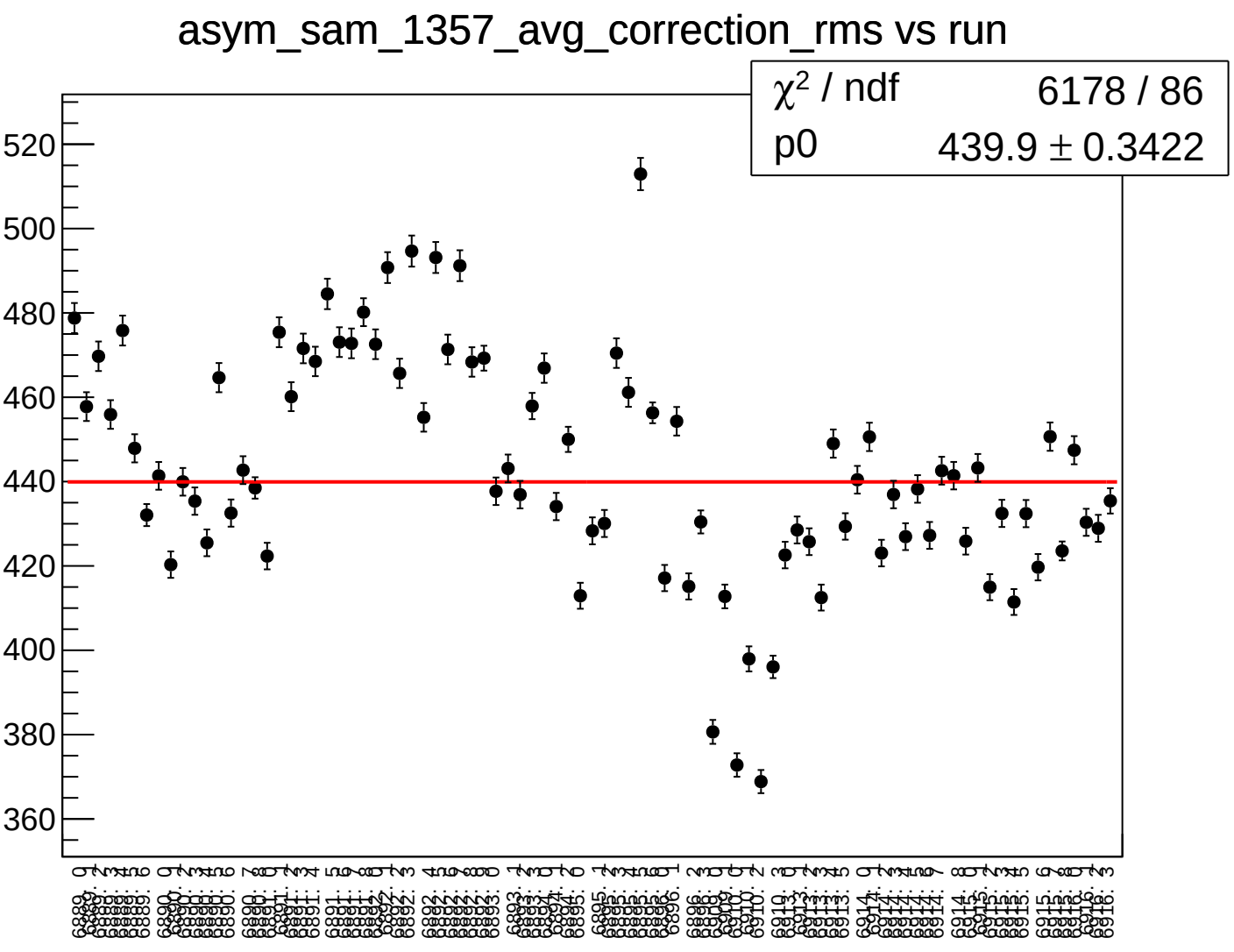

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 70.75 / 86
p0 −88.2 ± 59.81
pull
Entries 87
Mean −3117
Std Dev 3152

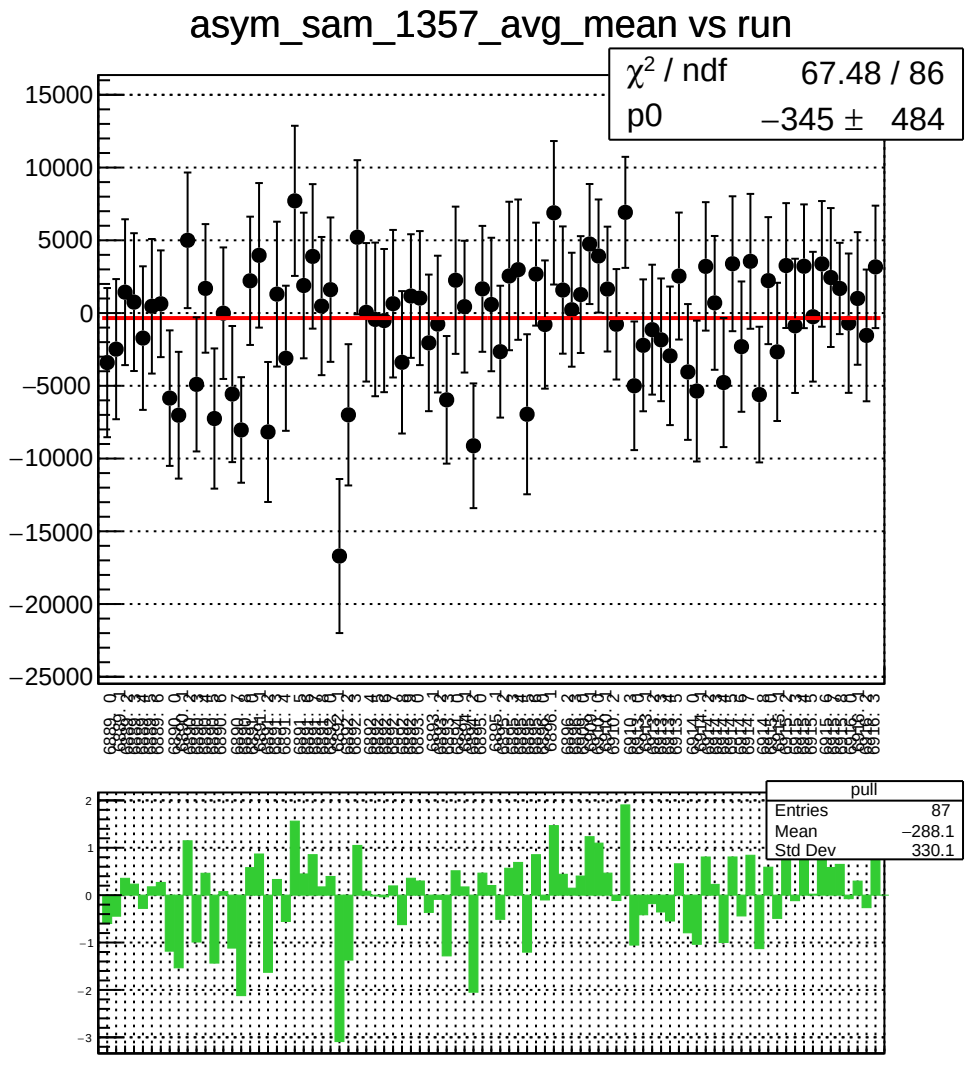

pull1D
Entries 87
Mean −0.0008064
Std Dev 0.9018

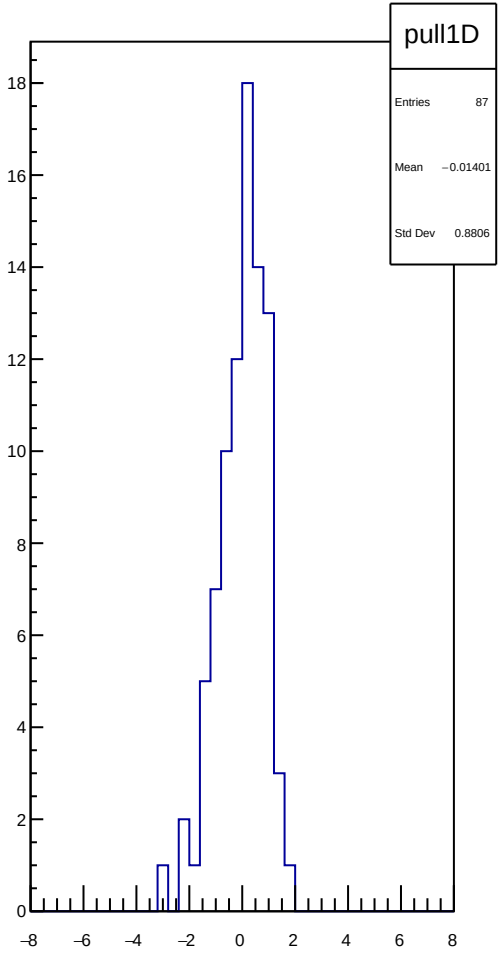

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2439 / 86
p0 54.43 ± 0.04229
64
62
60
58
56
54
52
50

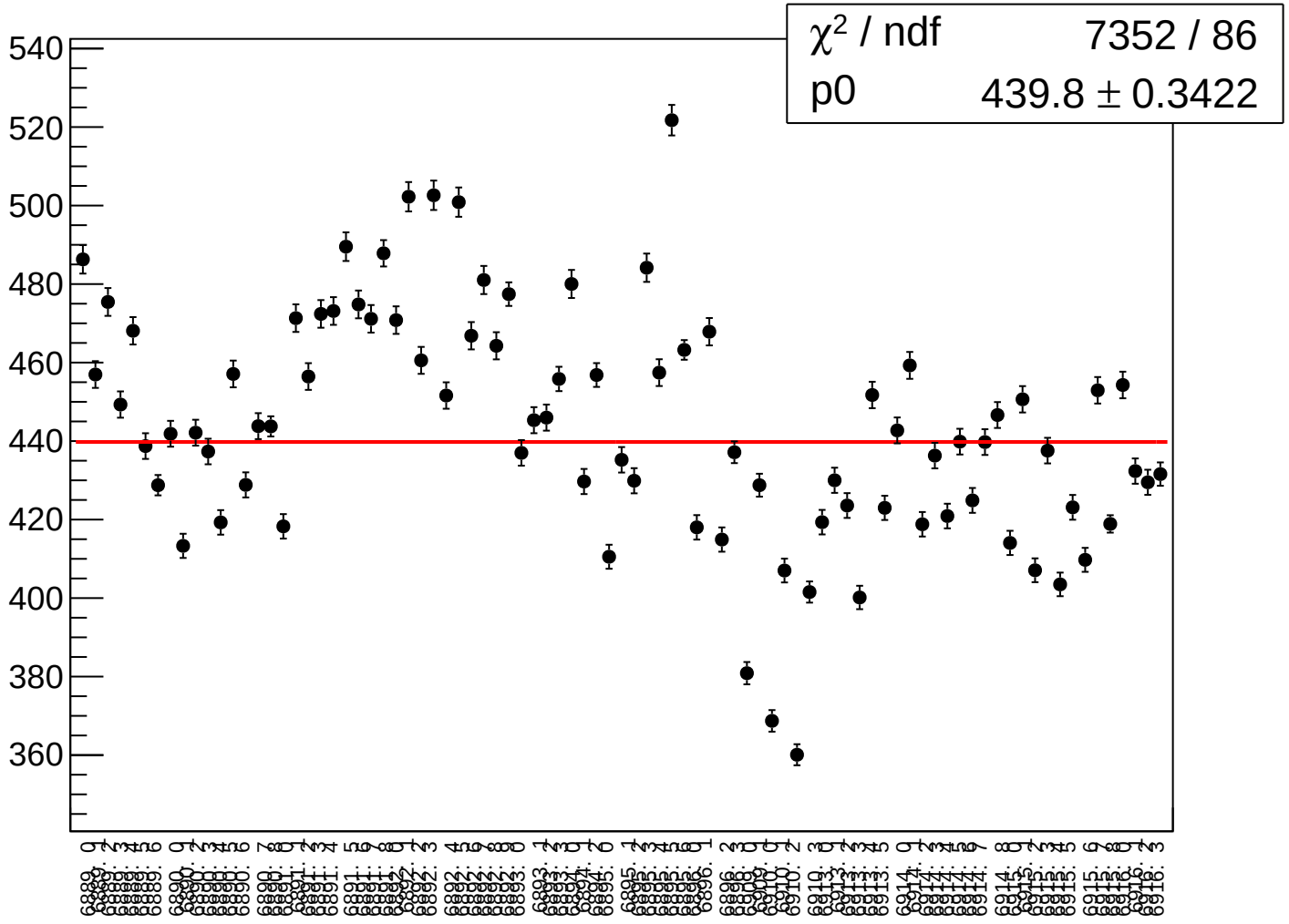

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 70.23 / 86
p0 242.4 ± 484
pull
Entries 87
Mean −278.2
Std Dev 319.9

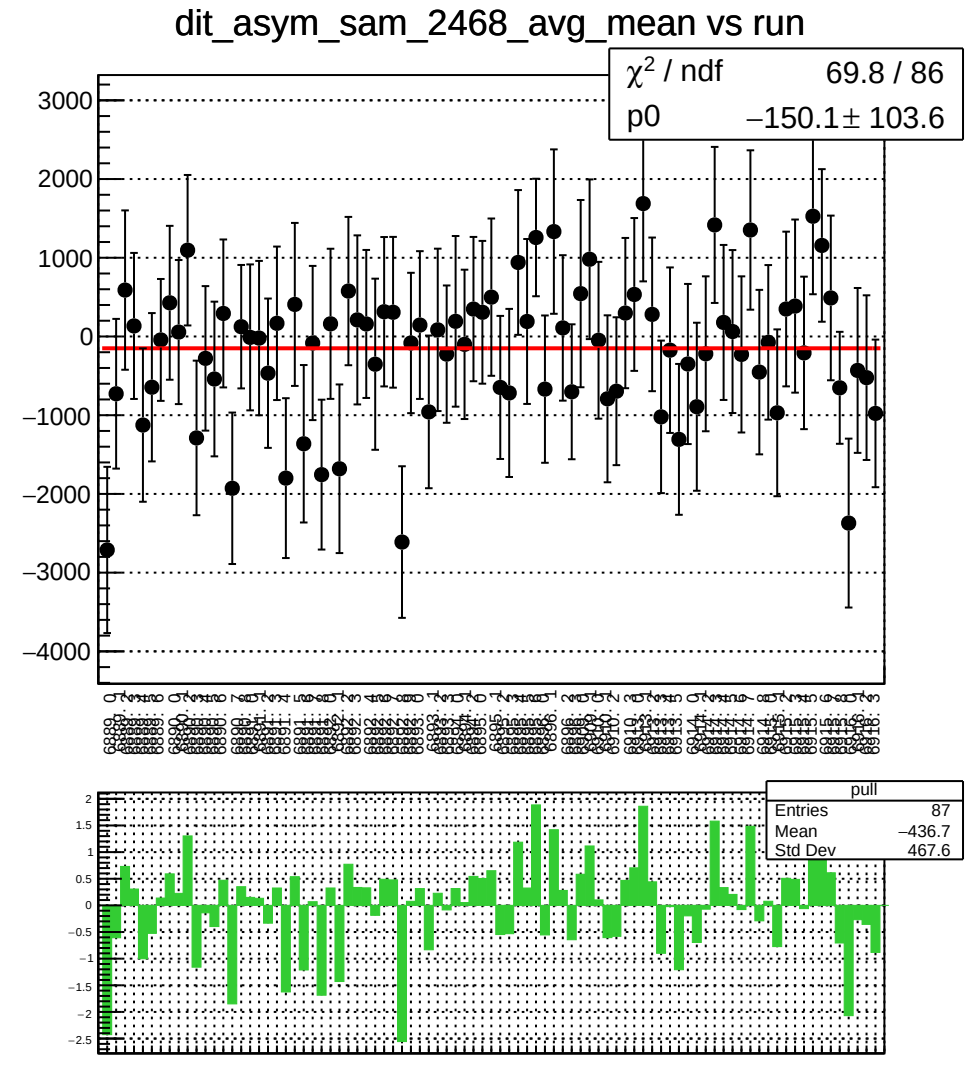

pull1D
Entries 87
Mean 0.01354
Std Dev 0.8983

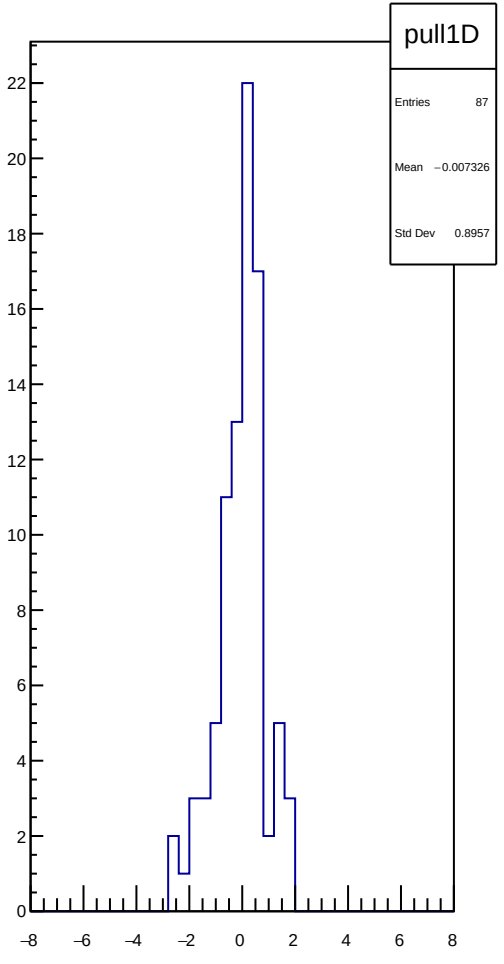

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 6178 / 86
p0 439.9 ± 0.3422
520
500
480
460
440
420
400
380
360

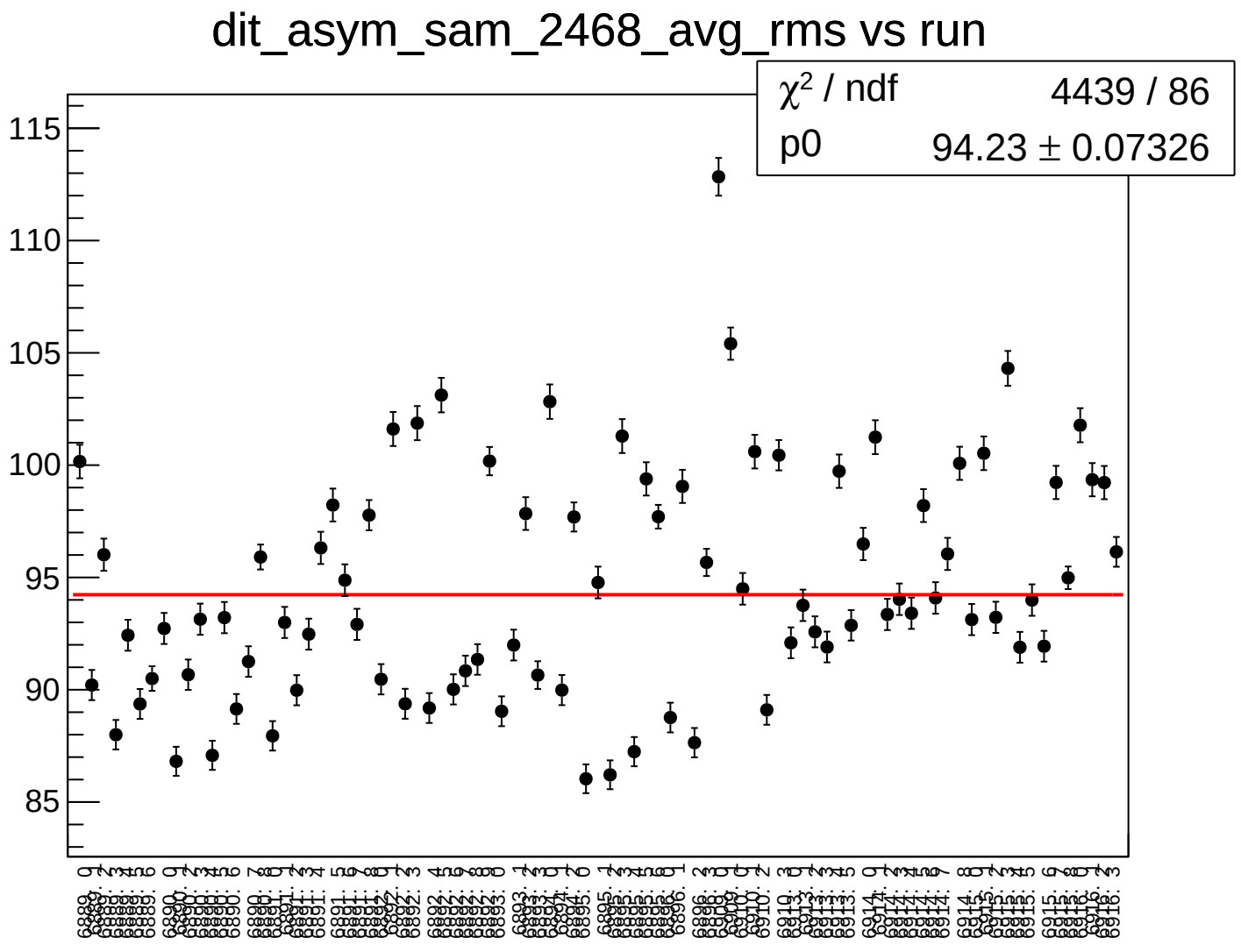

asym_sam_1357_avg_mean vs run
χ² / ndf 67.48 / 86
p0 −345 ± 484
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 87
Mean −288.1
Std Dev 330.1
2
1
0
−1
−2
−3

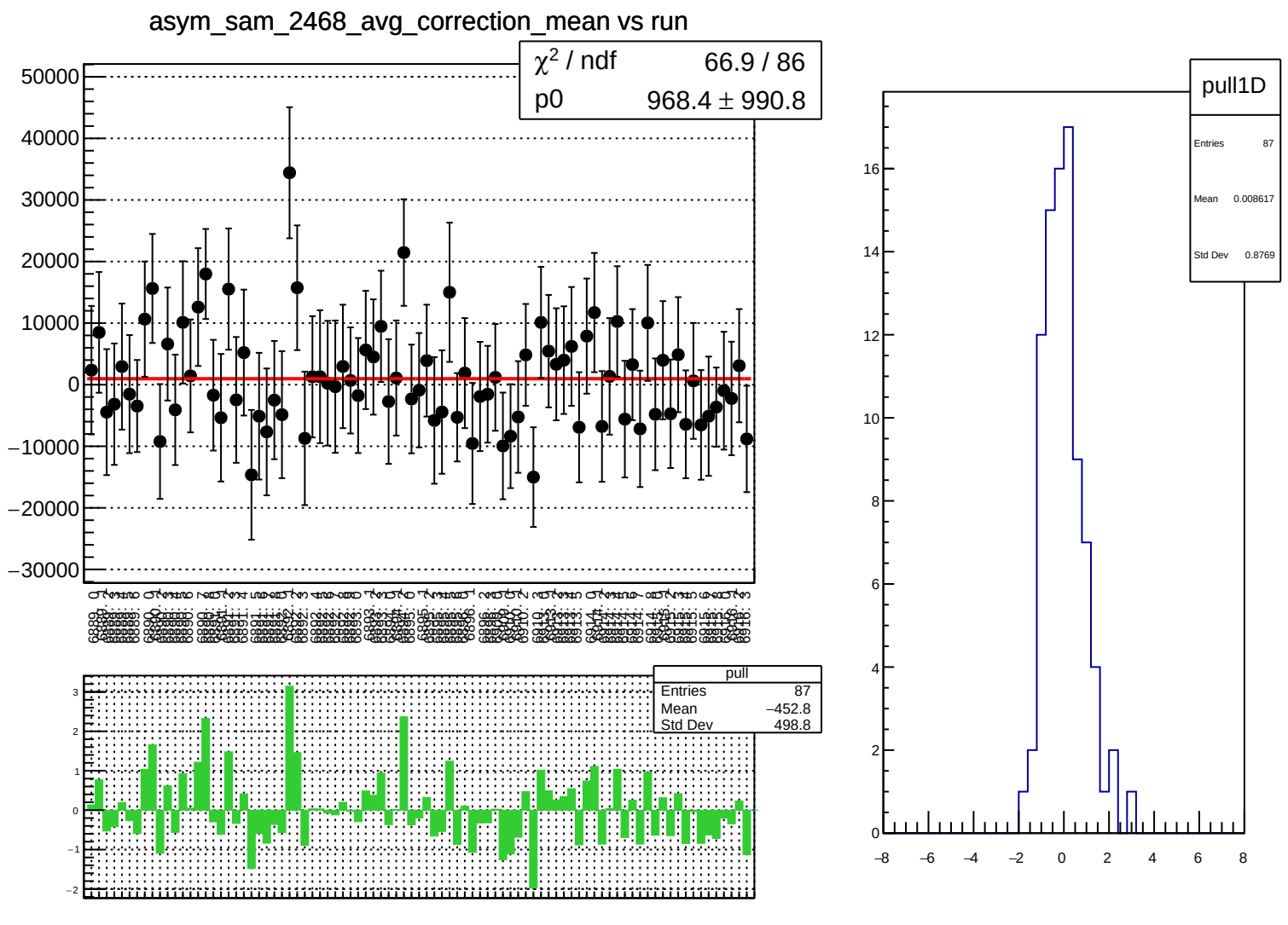

pull1D
Entries 87
Mean −0.01401
Std Dev 0.8806
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

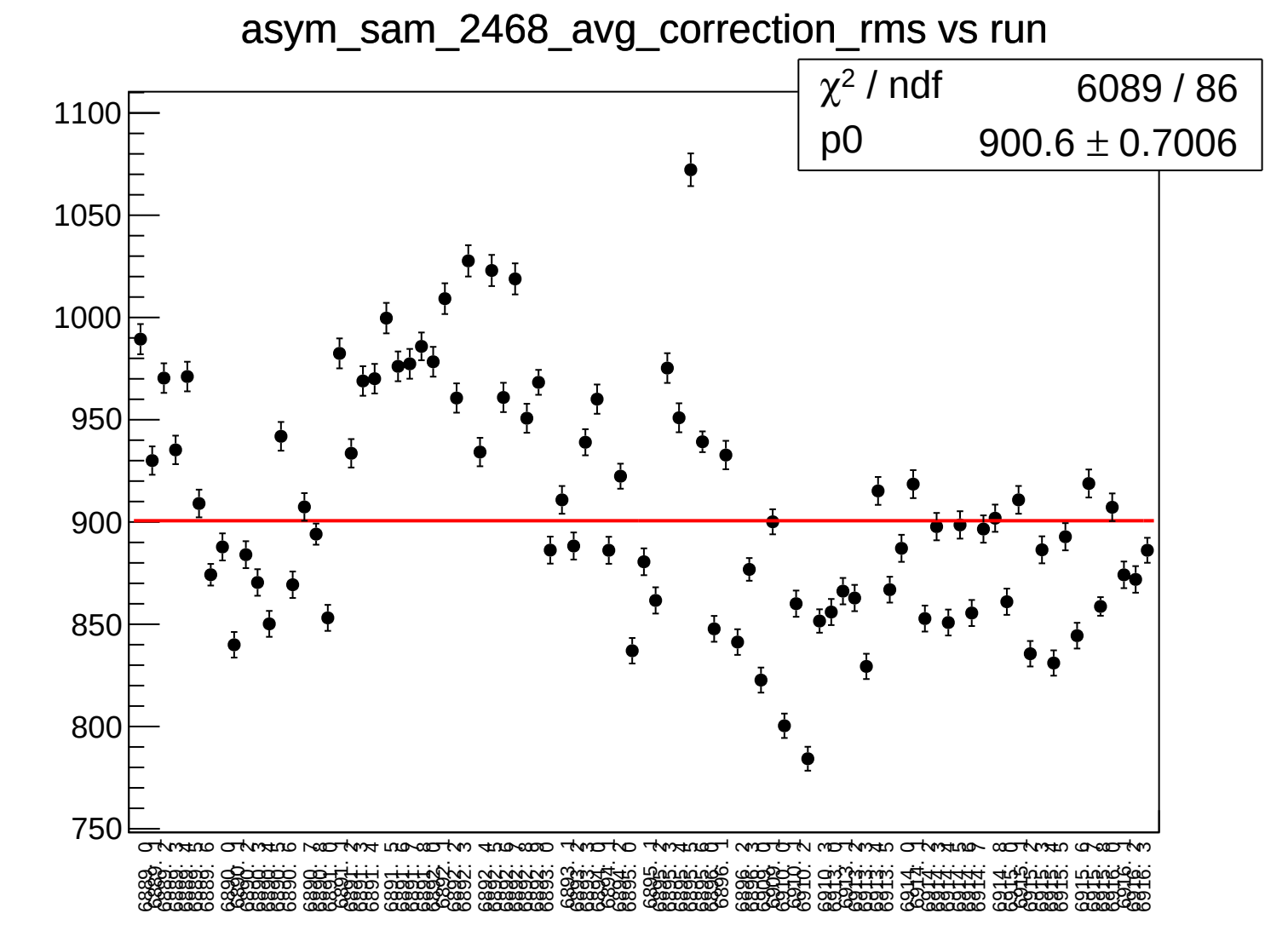

asym_sam_1357_avg_rms vs run
χ^2 / ndf 7352 / 86
p0 439.8 ± 0.3422
540
520
500
480
460
440
420
400
380
360

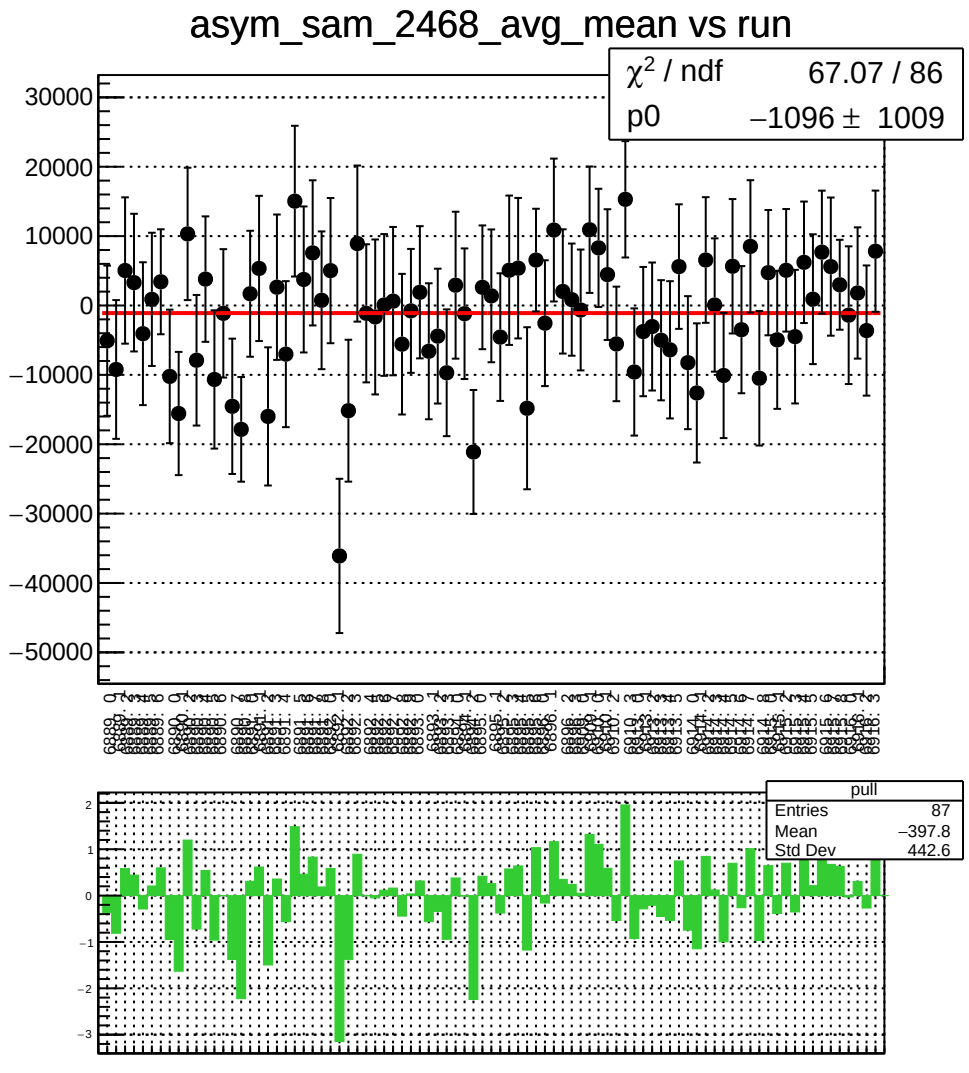

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 69.8 / 86
p0 −150.1± 103.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 87
Mean −436.7
Std Dev 467.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

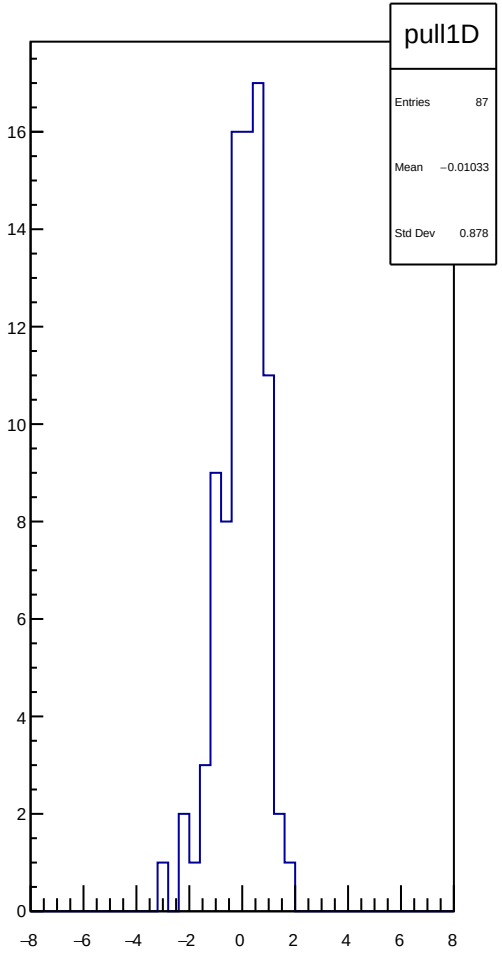

pull1D
Entries 87
Mean −0.007326
Std Dev 0.8957
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

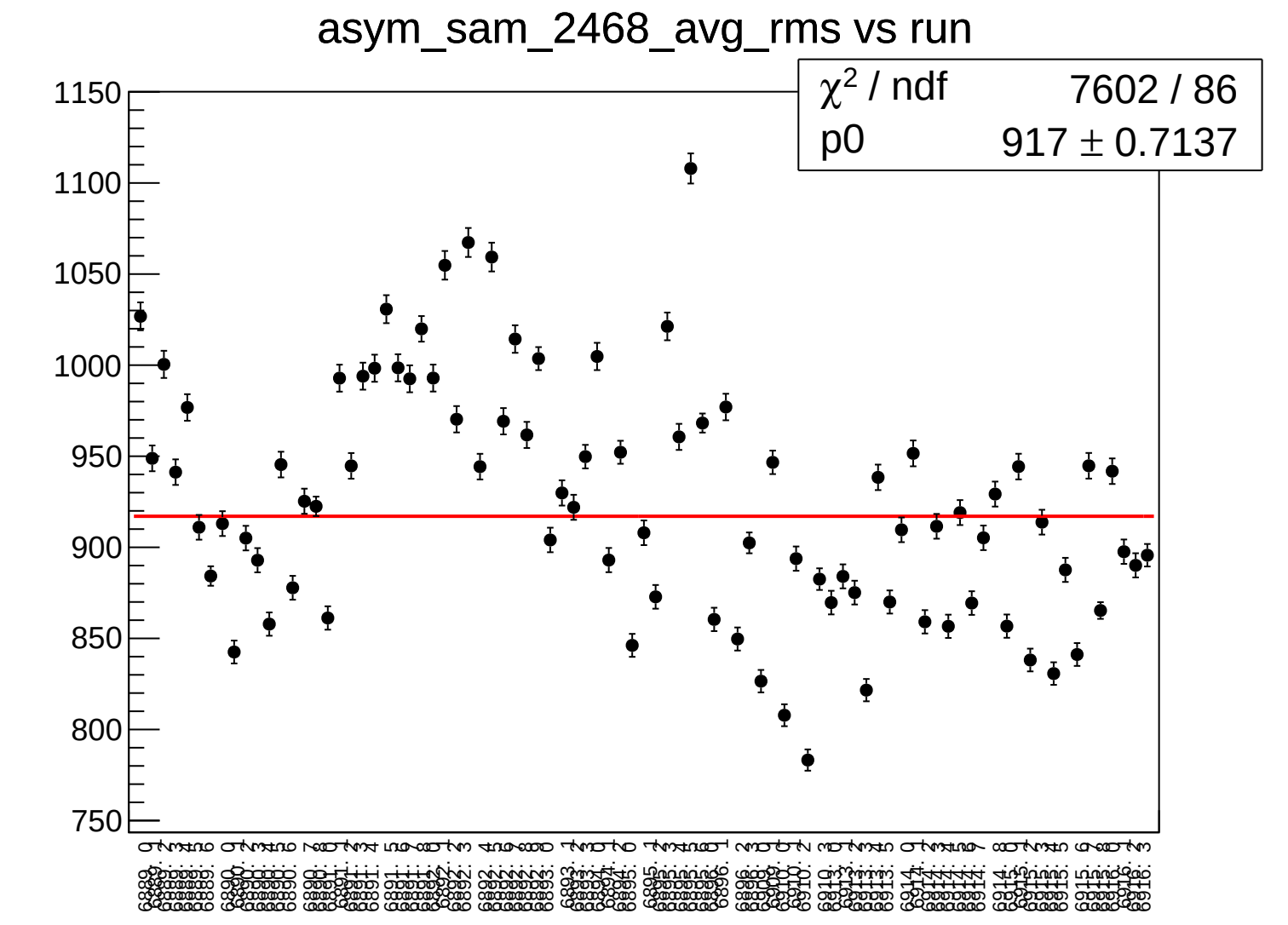

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4439 / 86
p0 94.23 ± 0.07326
115
110
105
100
95
90
85

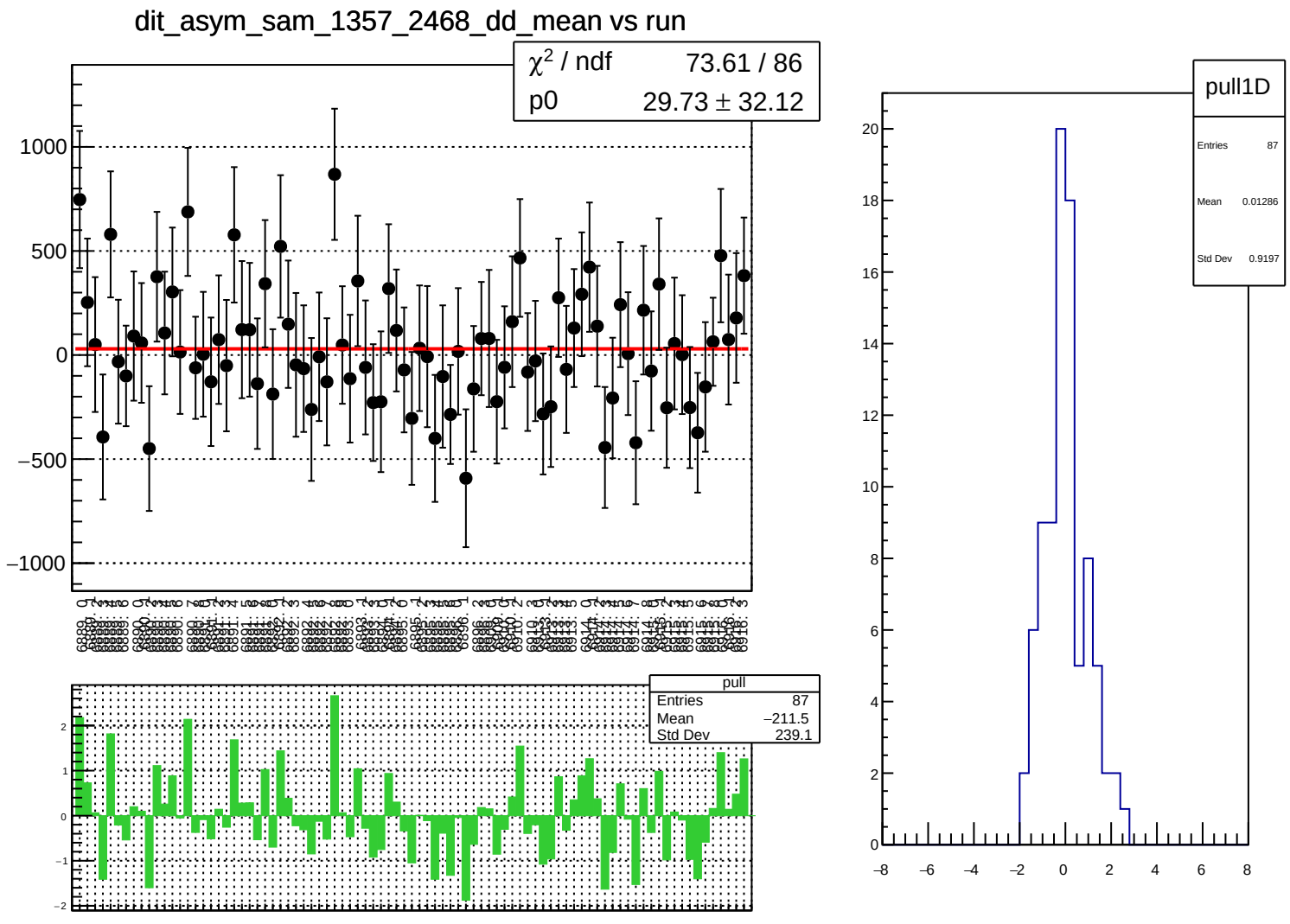

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 66.9 / 86
p0 968.4 ± 990.8
pull
Entries 87
Mean −452.8
Std Dev 498.8
pull1D
Entries 87
Mean 0.008617
Std Dev 0.8769

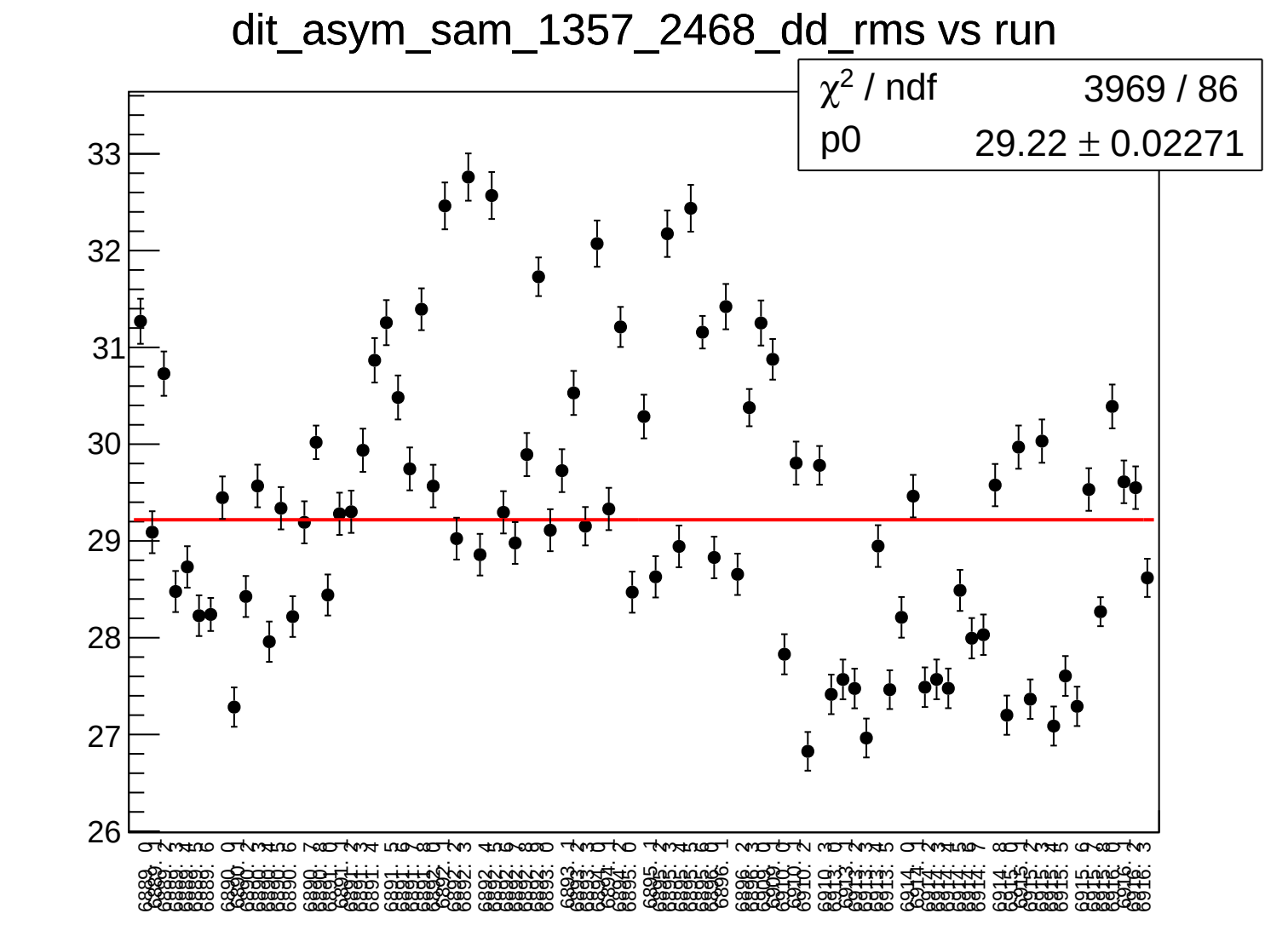

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 6089 / 86
p0 900.6 ± 0.7006
1100
1050
1000
950
900
850
800
750

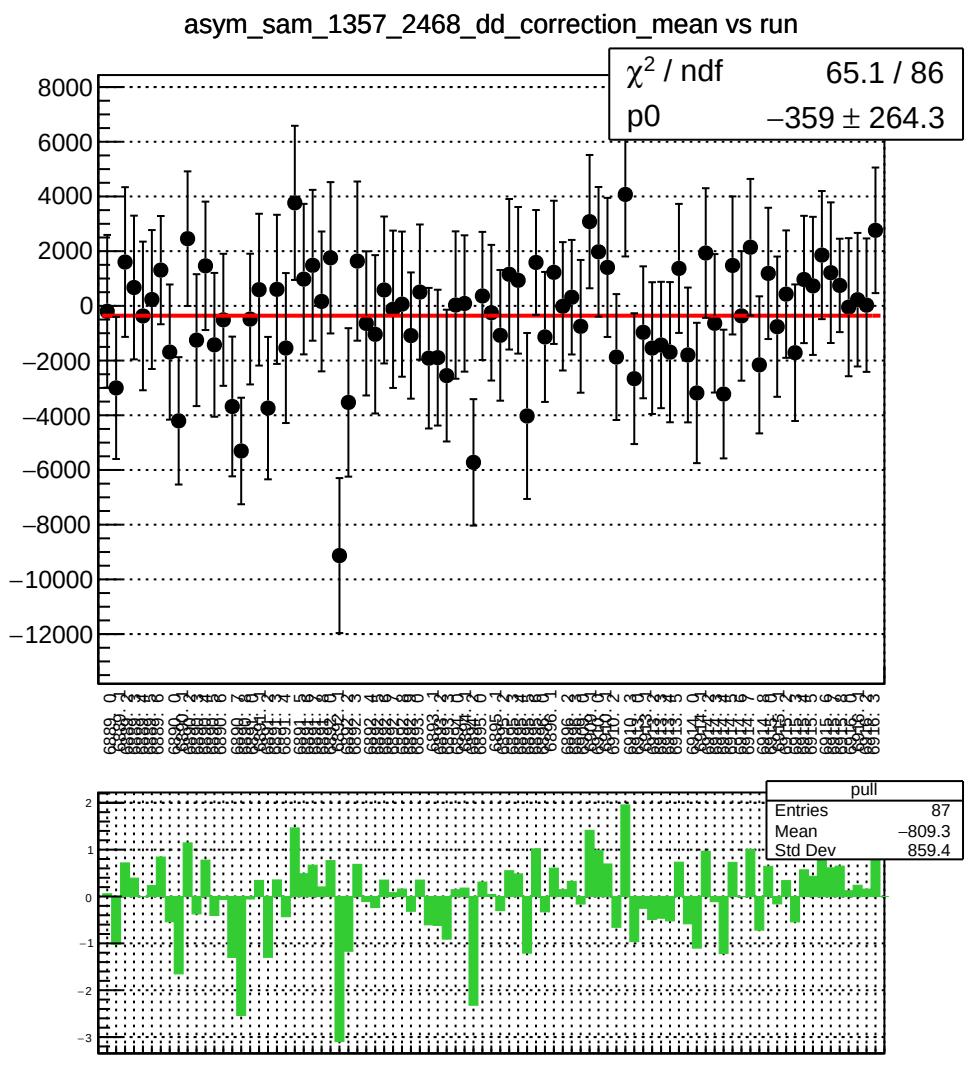

asym_sam_2468_avg_mean vs run
χ² / ndf 67.07 / 86
p0 −1096 ± 1009
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 87
Mean −397.8
Std Dev 442.6
2
1
0
−1
−2
−3

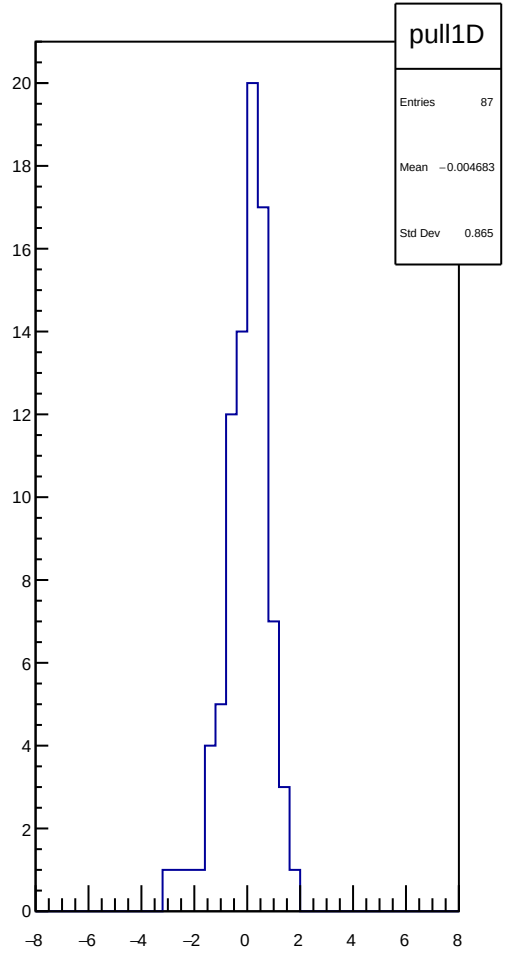

pull1D
Entries 87
Mean −0.01033
Std Dev 0.878
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

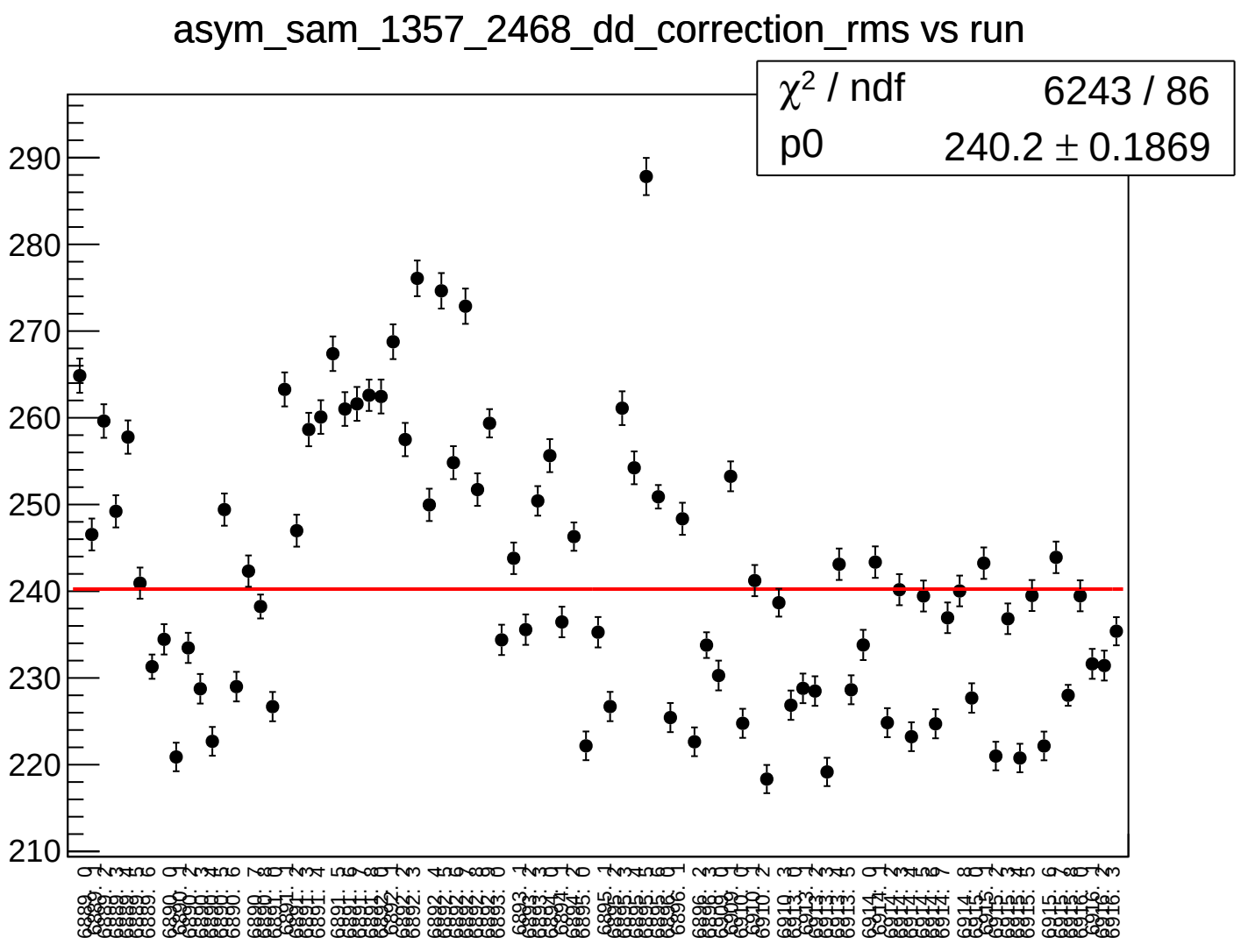

asym_sam_2468_avg_rms vs run
χ² / ndf 7602 / 86
p0 917 ± 0.7137
1150
1100
1050
1000
950
900
850
800
750

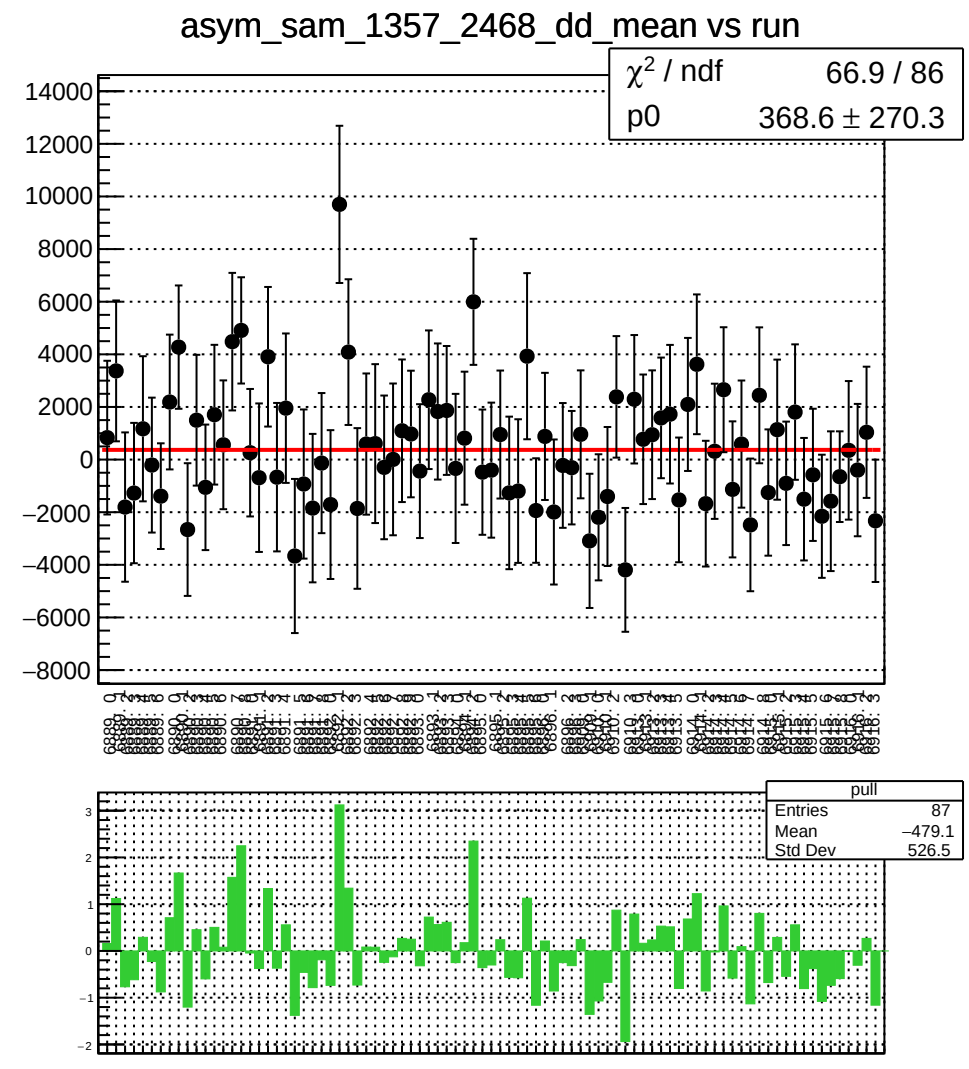

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 73.61 / 86
p0 29.73 ± 32.12
1000
500
0
−500
−1000
pull
Entries 87
Mean −211.5
Std Dev 239.1
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01286
Std Dev 0.9197
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

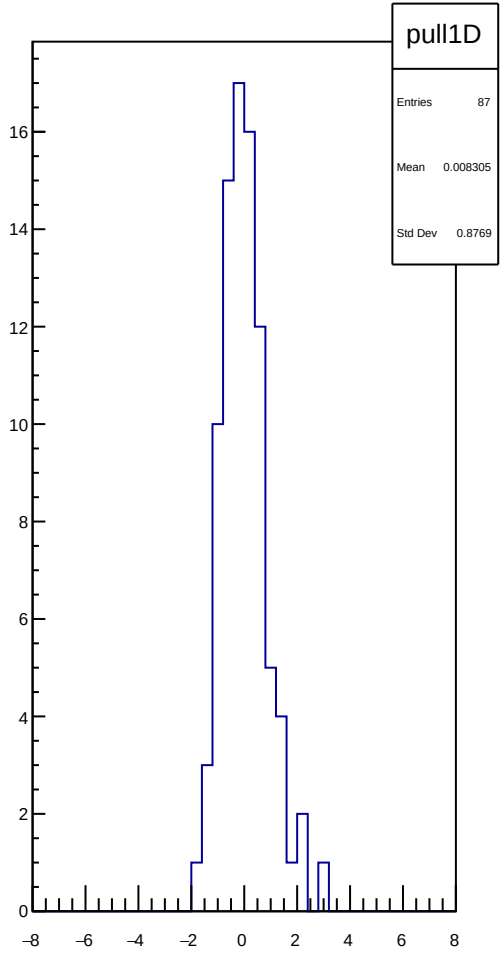

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3969 / 86
p0 29.22 ± 0.02271
33
32
31
30
29
28
27
26

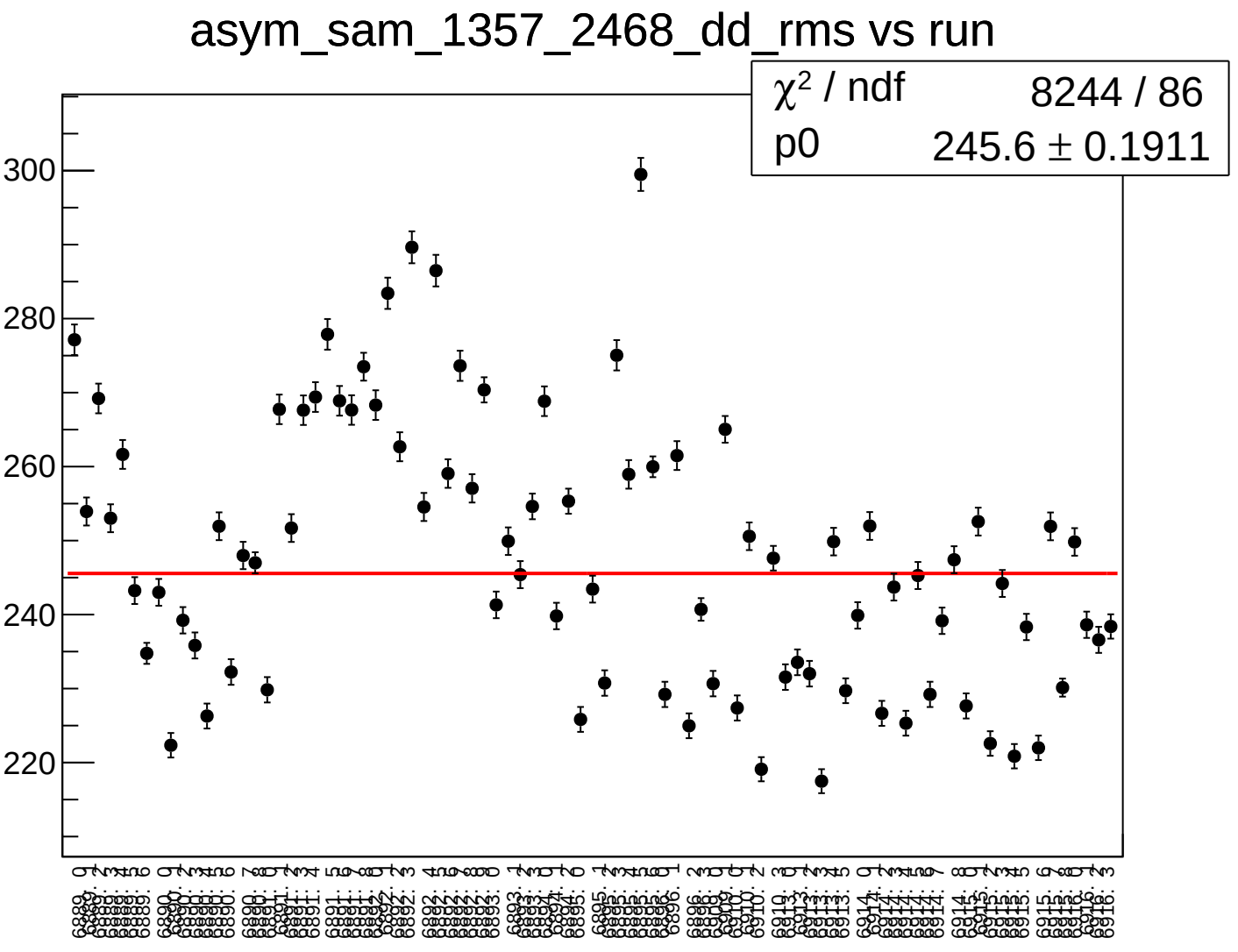

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 65.1 / 86
p0 −359 ± 264.3
pull
Entries 87
Mean −809.3
Std Dev 859.4

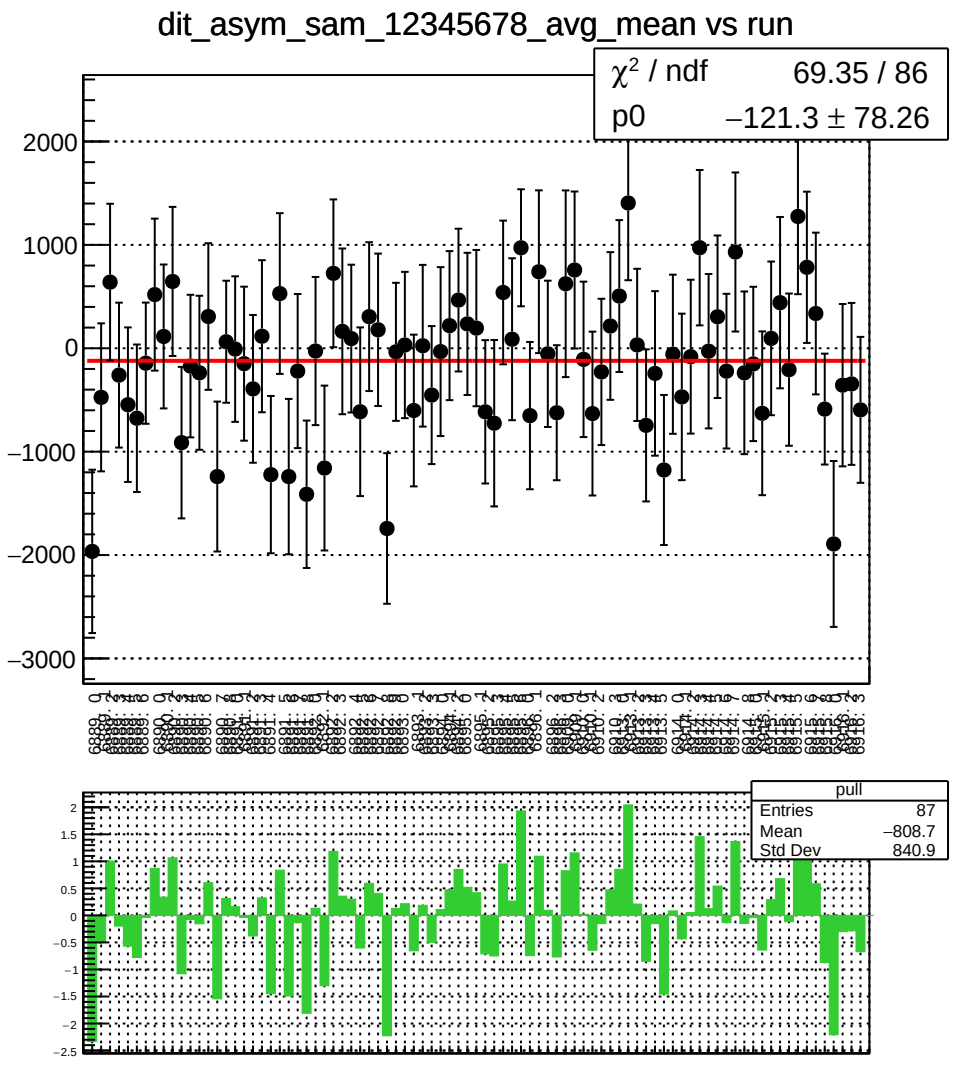

pull1D
Entries 87
Mean −0.004683
Std Dev 0.865

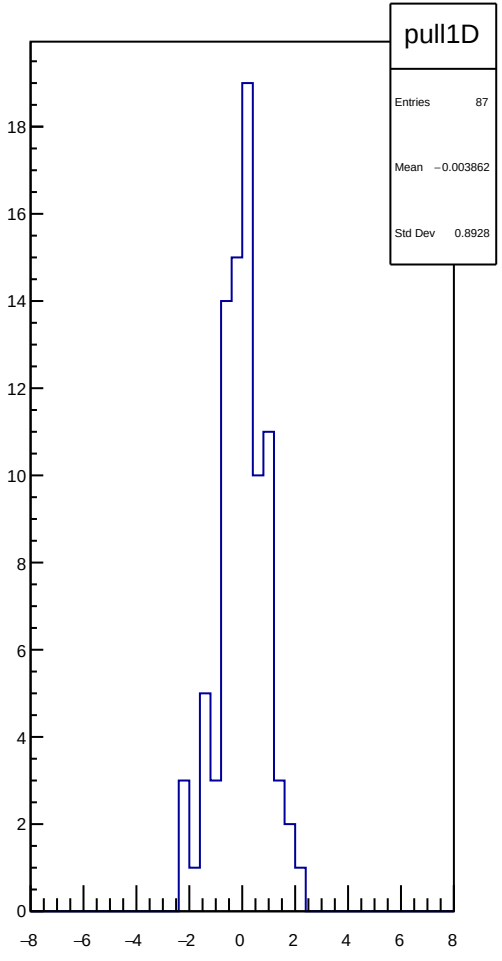

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 6243 / 86
p0 240.2 ± 0.1869
290
280
270
260
250
240
230
220
210

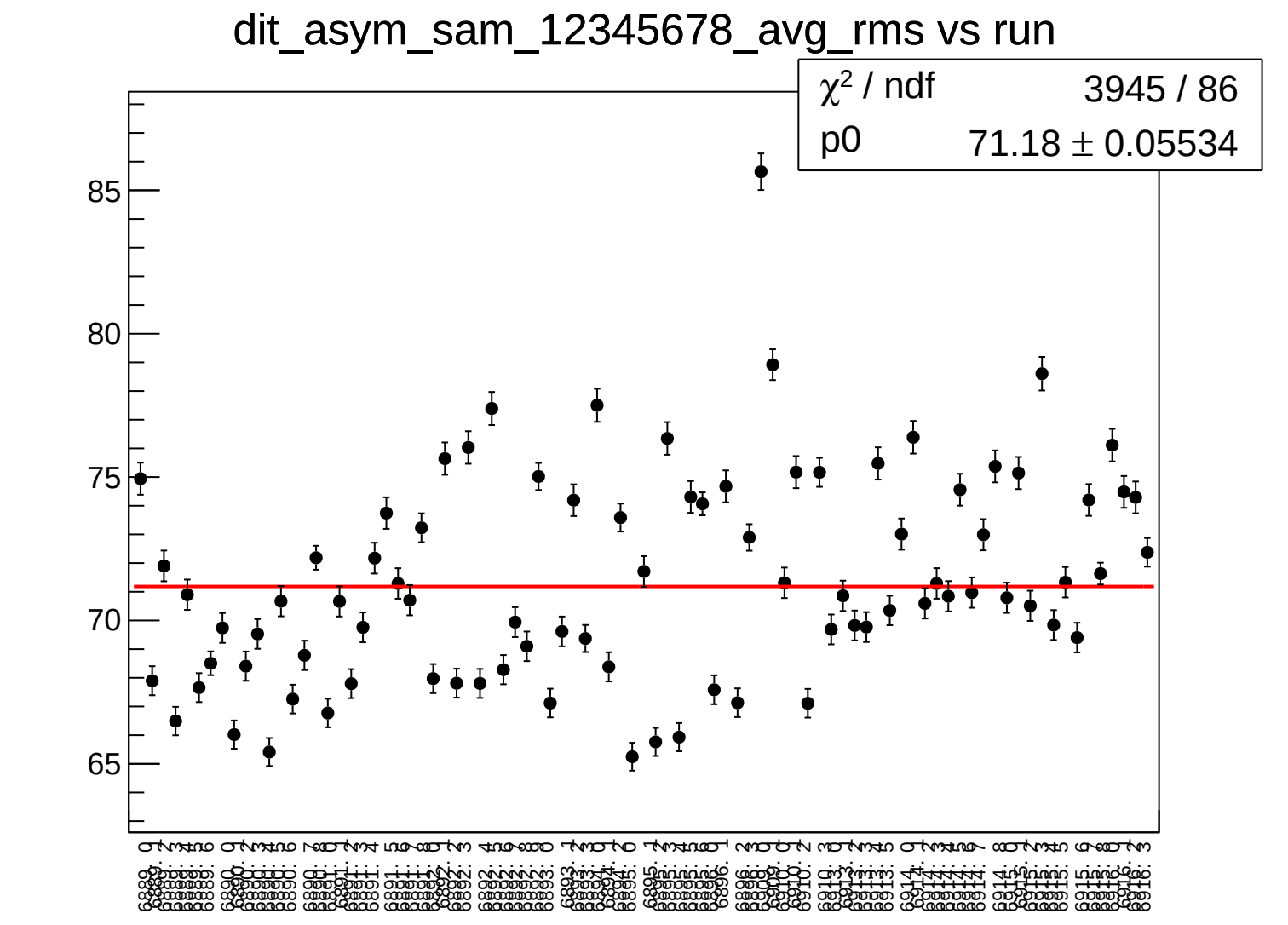

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 66.9 / 86
p0 368.6 ± 270.3
pull
Entries 87
Mean −479.1
Std Dev 526.5

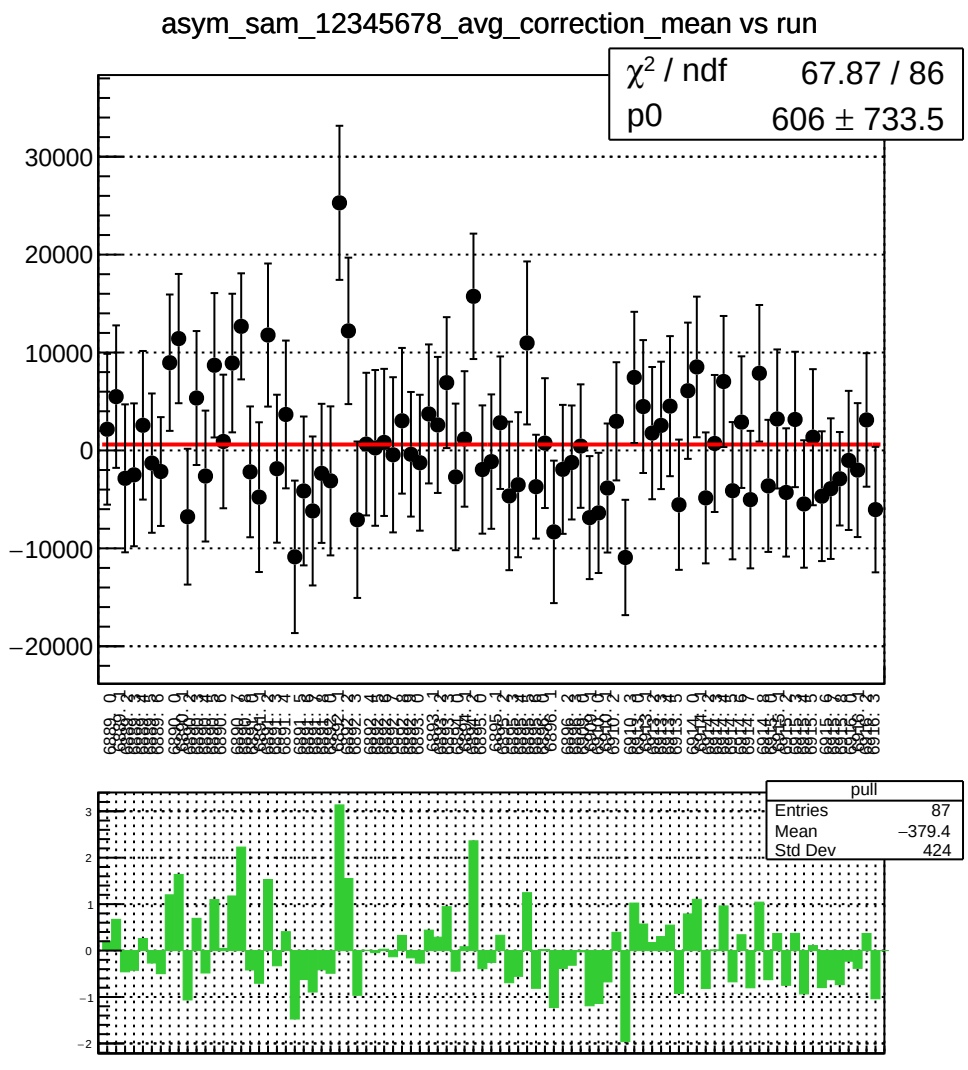

pull1D
Entries 87
Mean 0.008305
Std Dev 0.8769

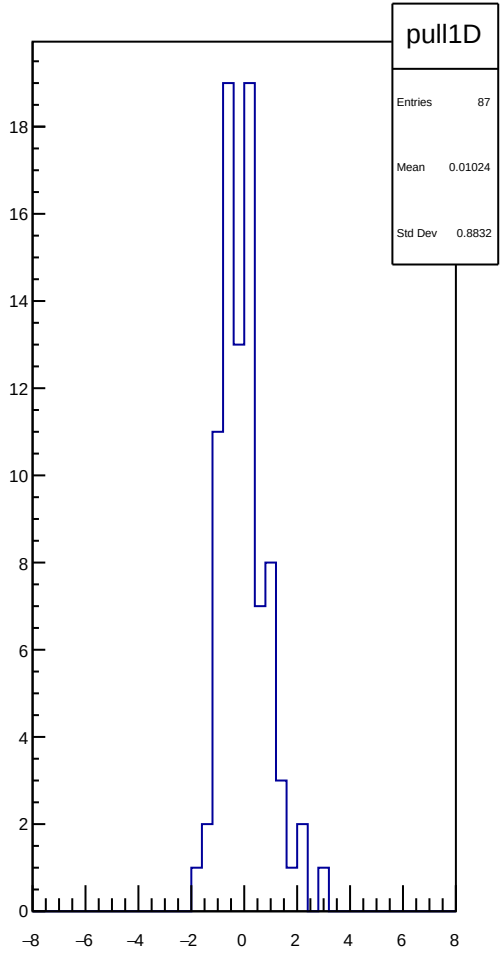

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8244 / 86
p0 245.6 ± 0.1911
300
280
260
240
220

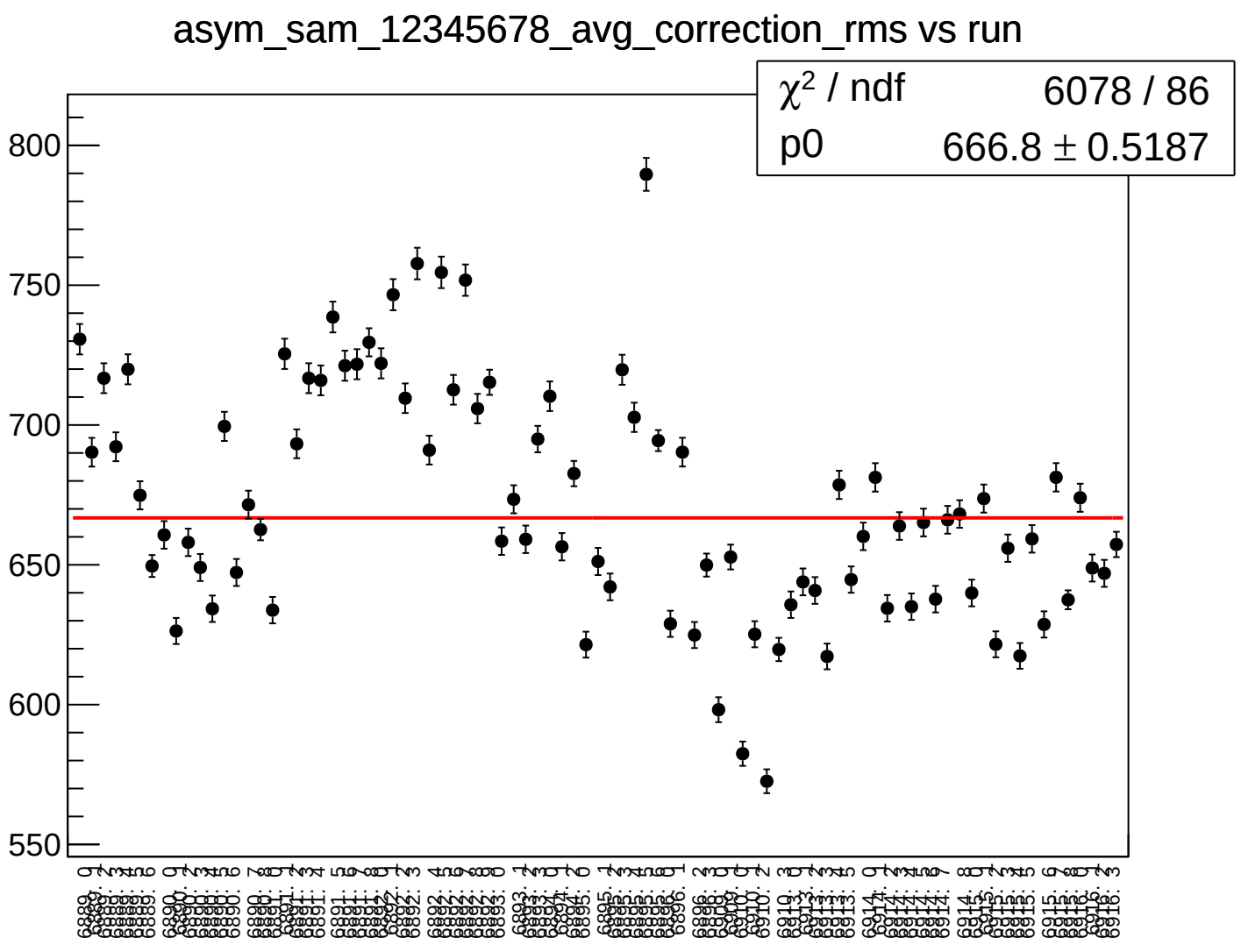

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 69.35 / 86
p0 −121.3 ± 78.26
pull
Entries 87
Mean −808.7
Std Dev 840.9

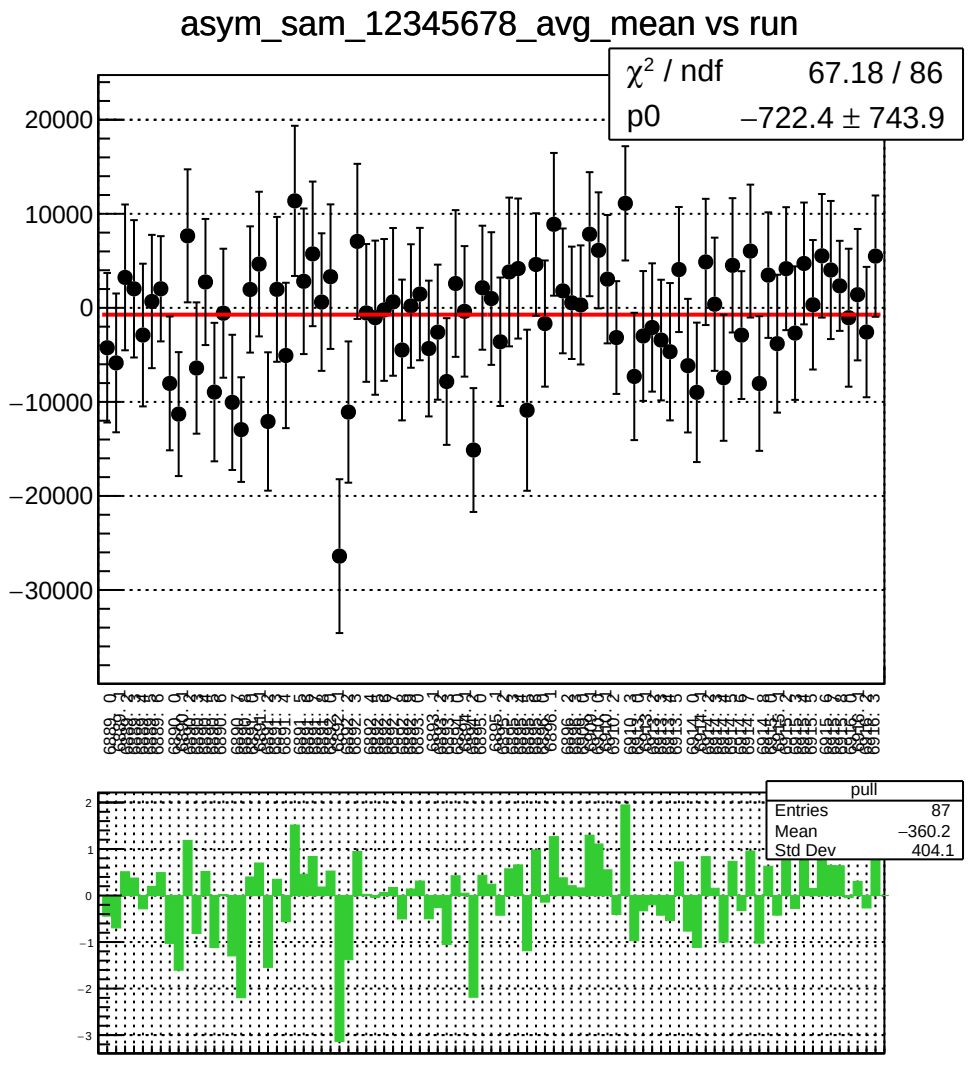

pull1D
Entries 87
Mean −0.003862
Std Dev 0.8928

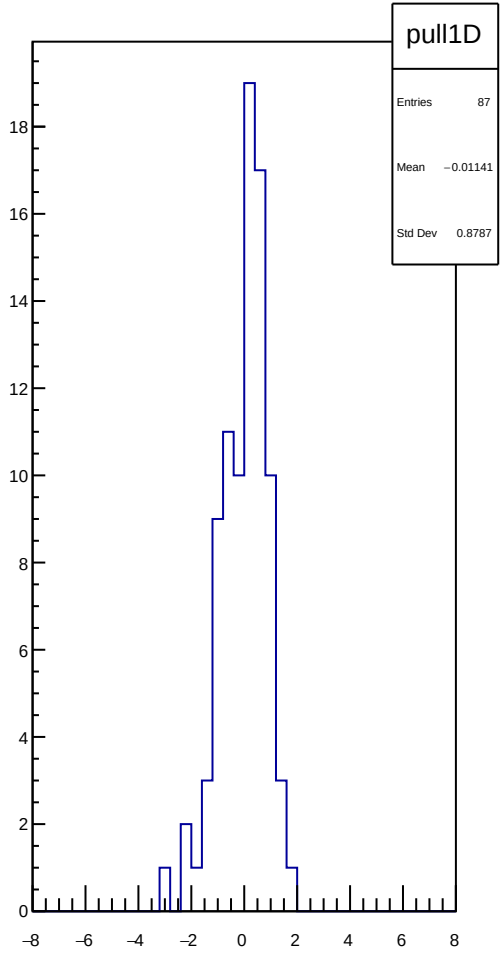

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3945 / 86
p0 71.18 ± 0.05534
85
80
75
70
65

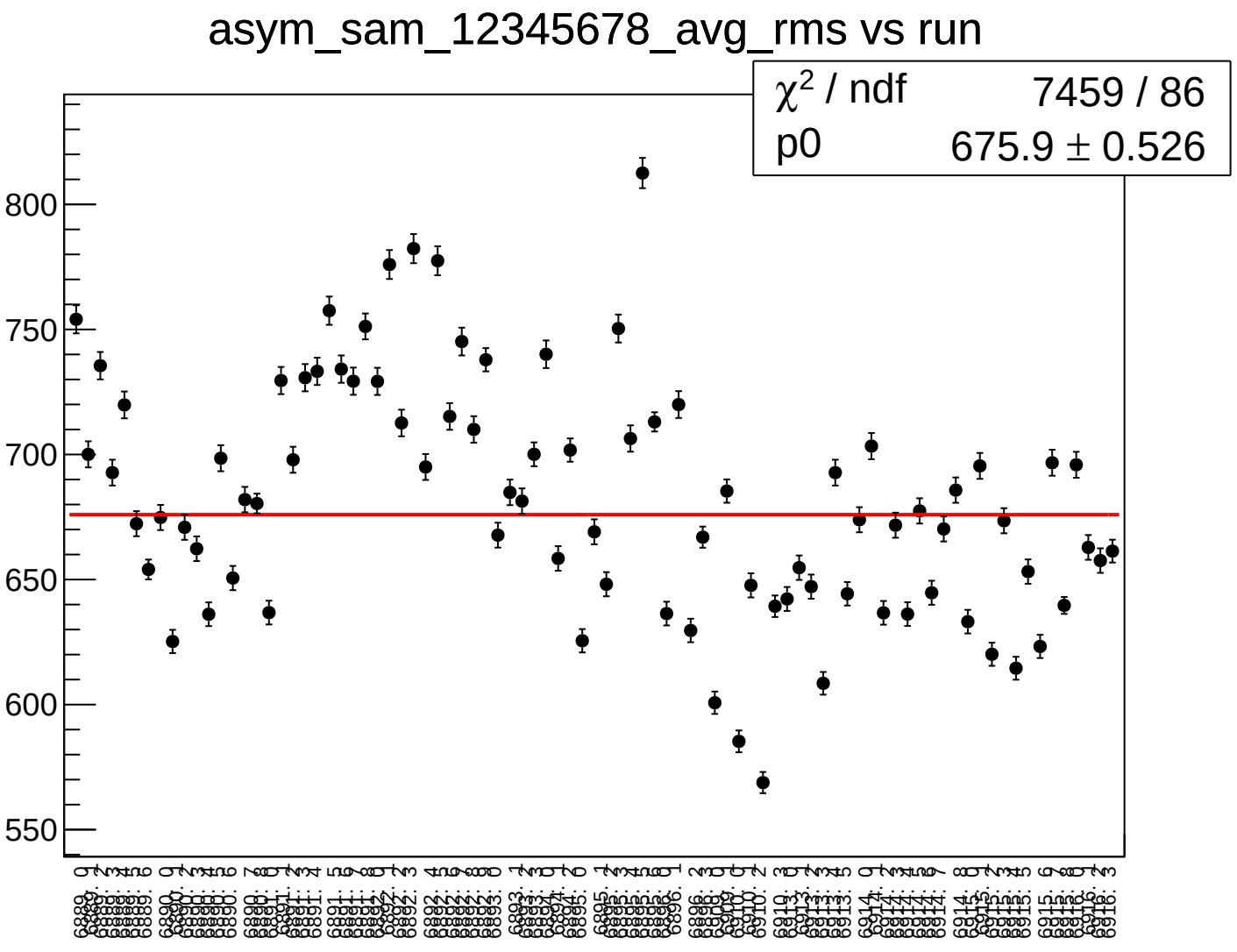

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 67.87 / 86
p0 606 ± 733.5
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −379.4
Std Dev 424
3
2
1
0
−1
−2

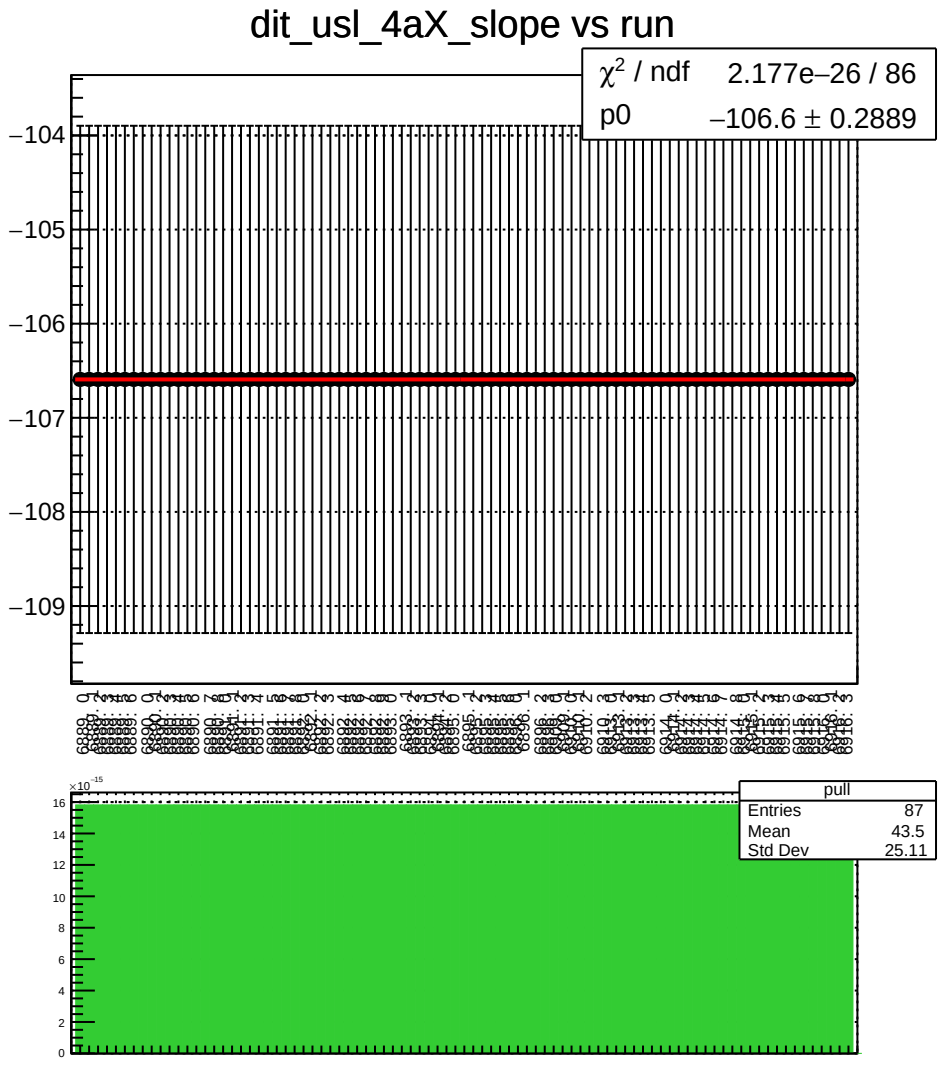

pull1D
Entries 87
Mean 0.01024
Std Dev 0.8832
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

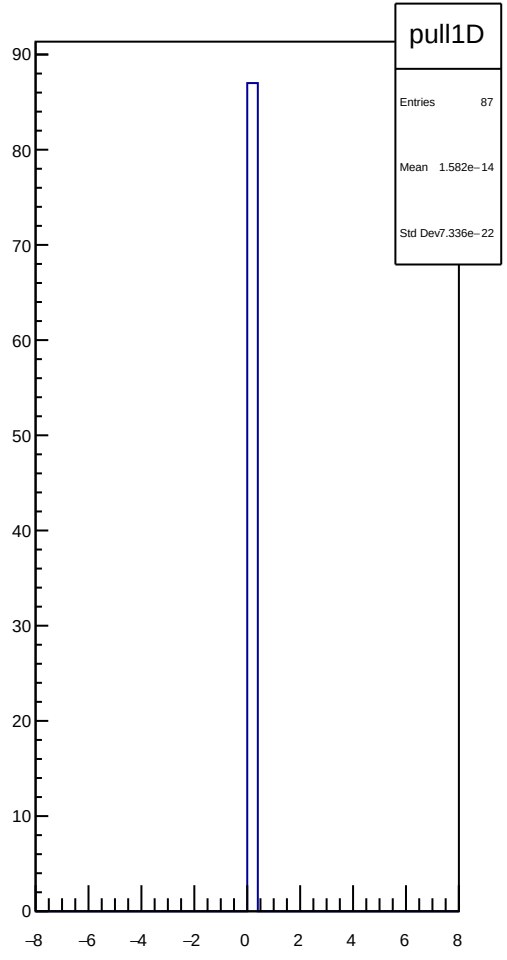

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 6078 / 86
p0 666.8 ± 0.5187
800
750
700
650
600
550

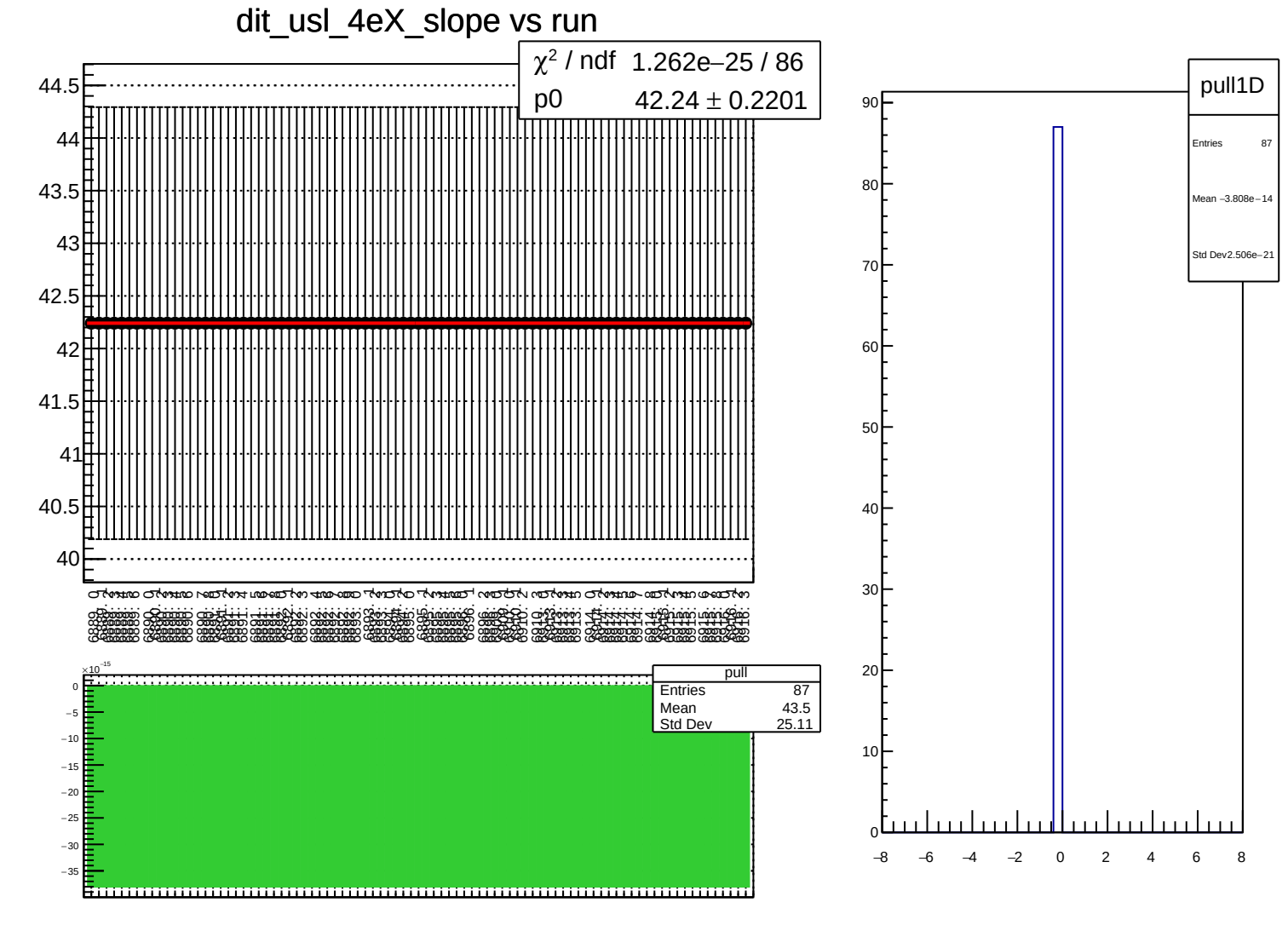

asym_sam_12345678_avg_mean vs run
χ² / ndf 67.18 / 86
p0 −722.4 ± 743.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −360.2
Std Dev 404.1
2
1
0
−1
−2
−3

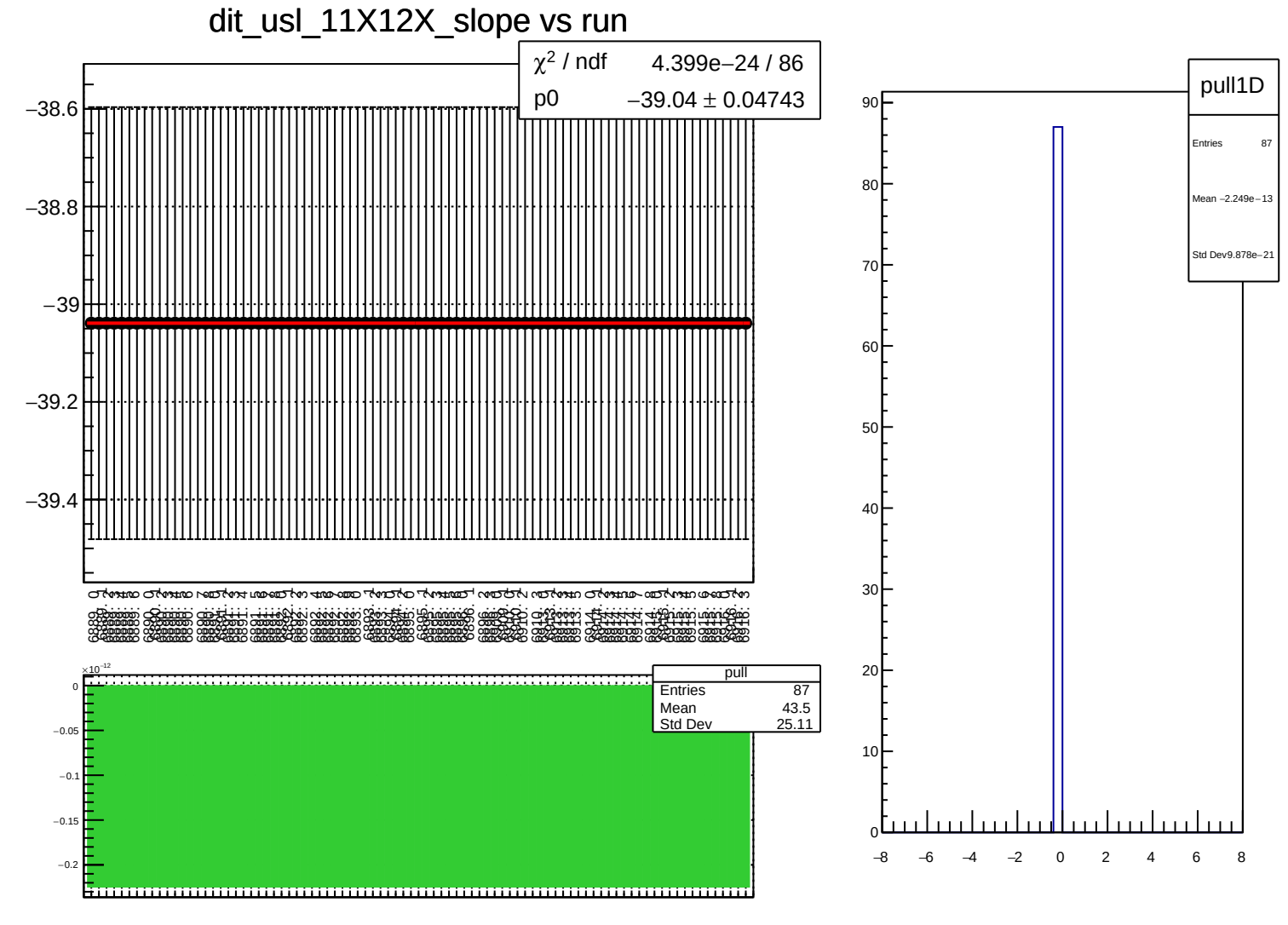

pull1D
Entries 87
Mean −0.01141
Std Dev 0.8787
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

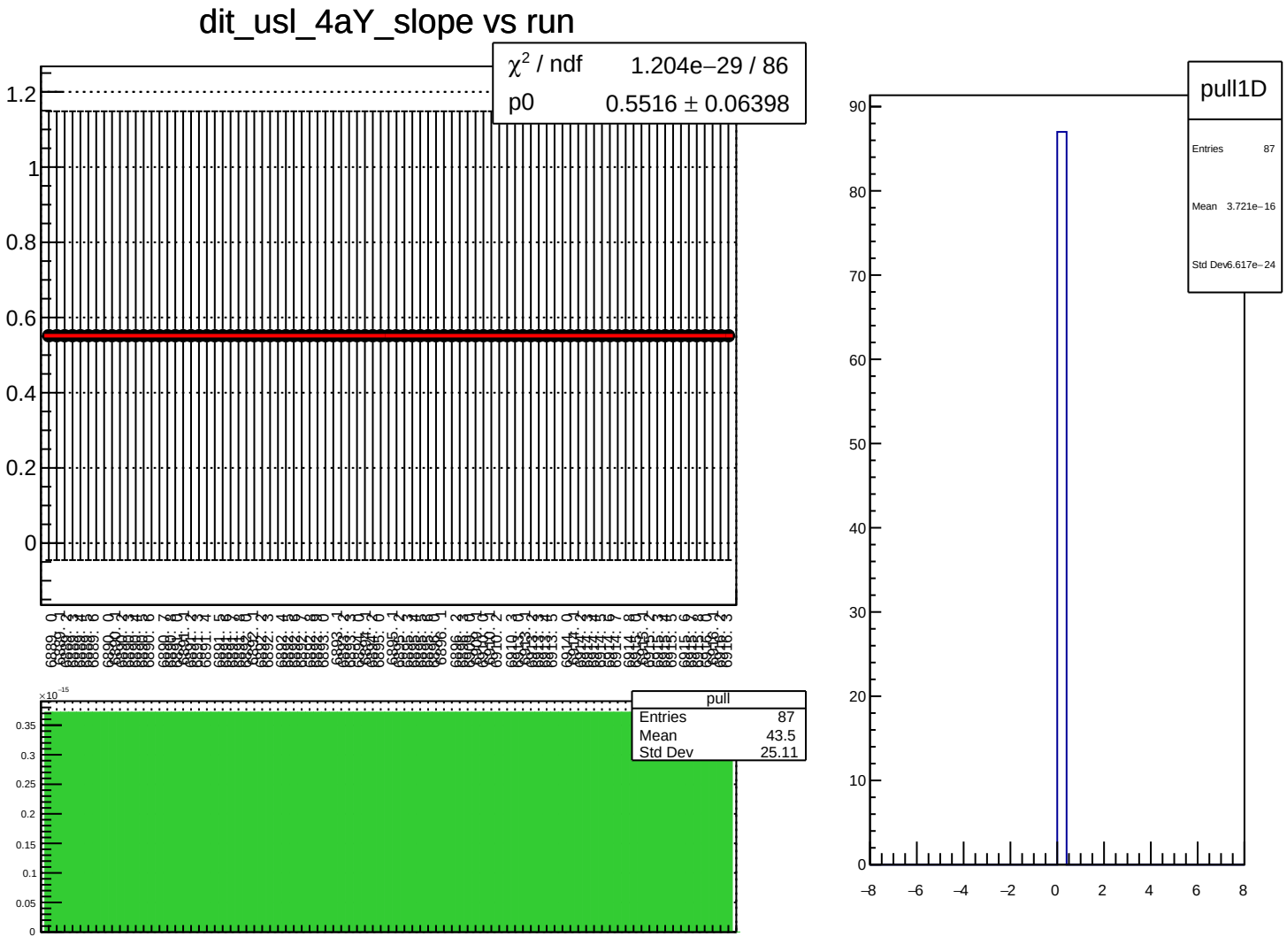

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 7459 / 86
p0 675.9 ± 0.526
800
750
700
650
600
550

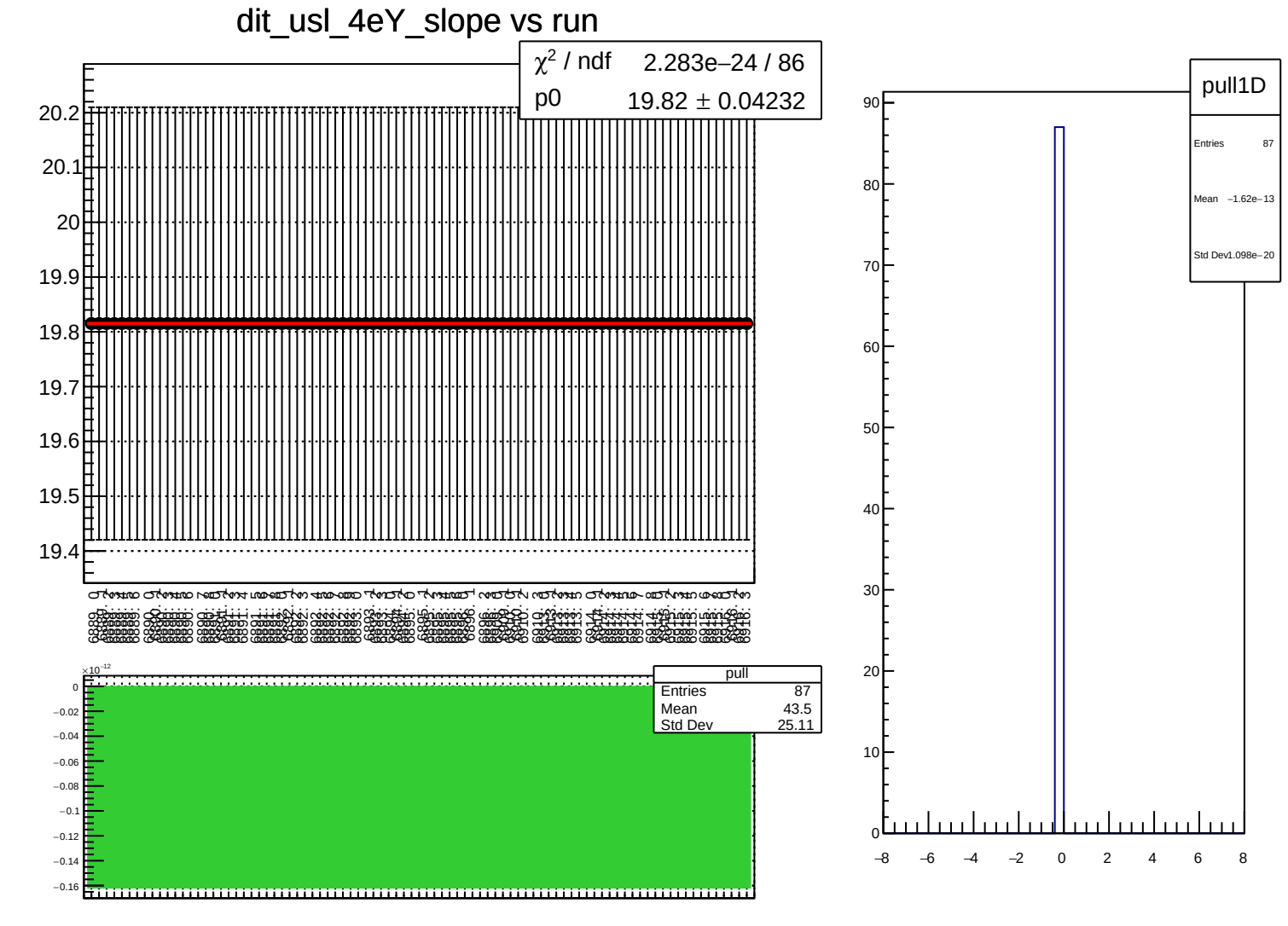

dit_usl_4aX_slope vs run
χ² / ndf 2.177e−26 / 86
p0 −106.6 ± 0.2889
−104
−105
−106
−107
−108
−109
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

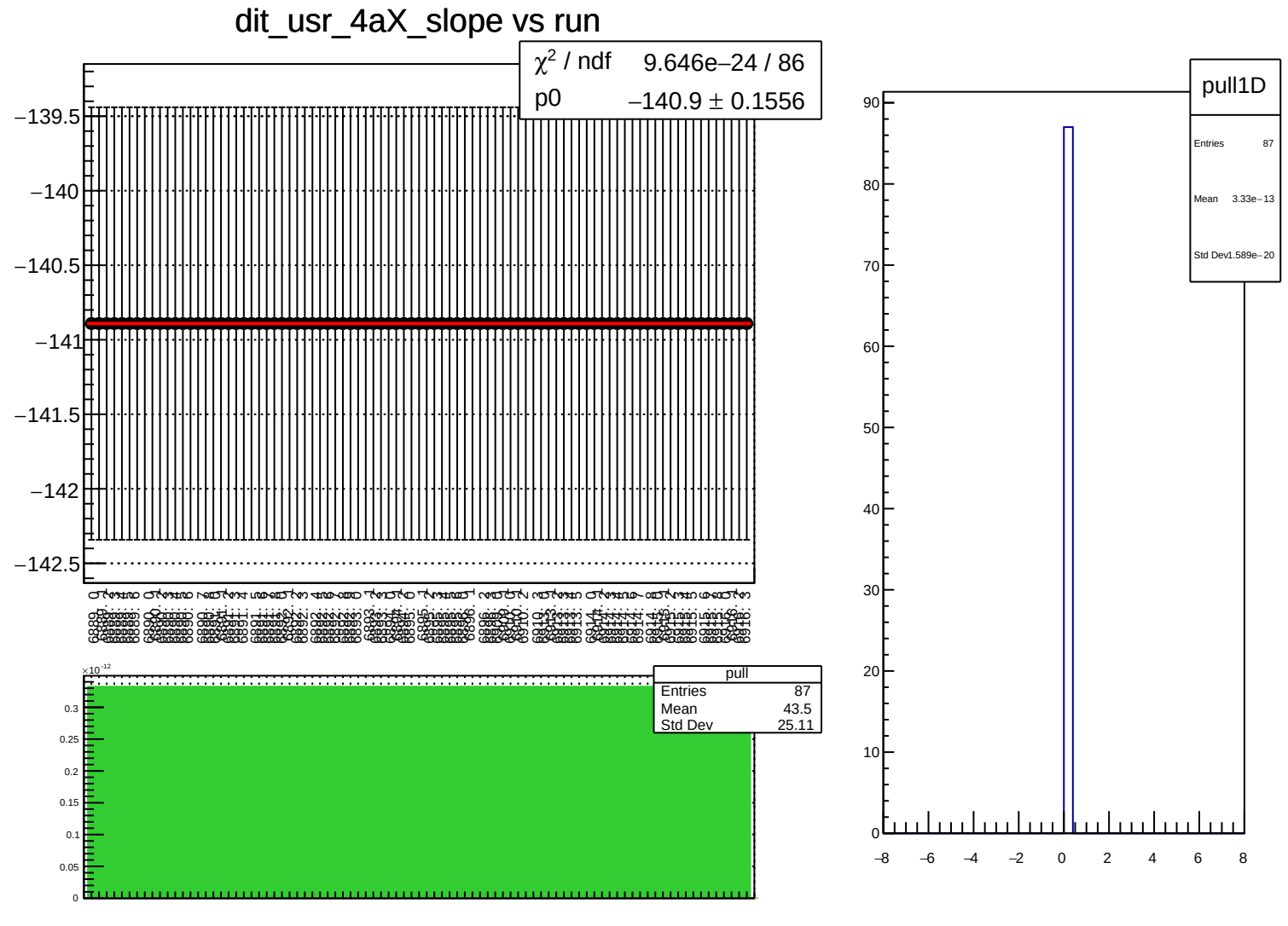

pull1D
Entries 87
Mean 1.582e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

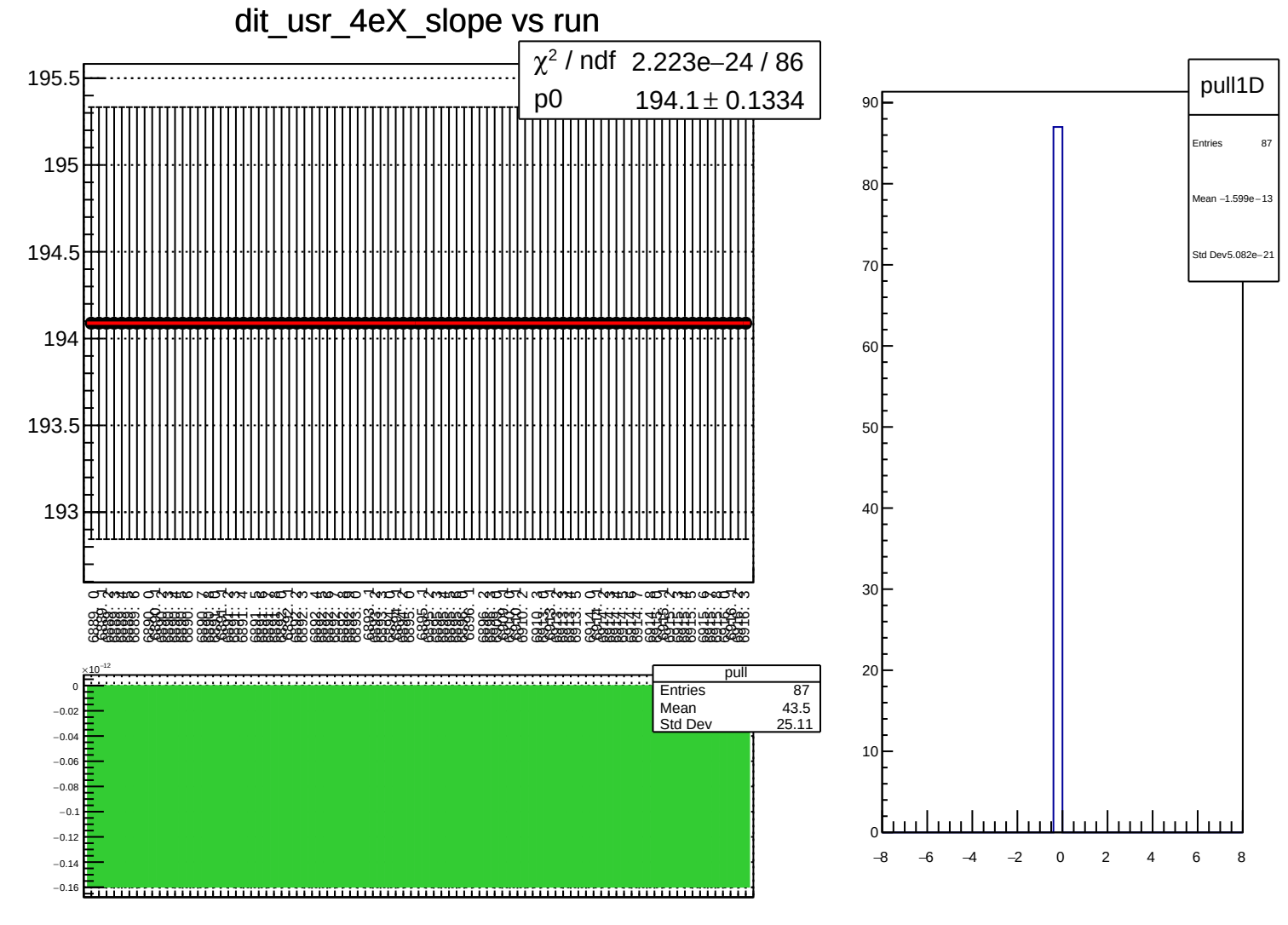

dit_usl_4eX_slope vs run
χ² / ndf 1.262e−25 / 86
p0 42.24 ± 0.2201
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −3.808e−14
Std Dev2.506e−21

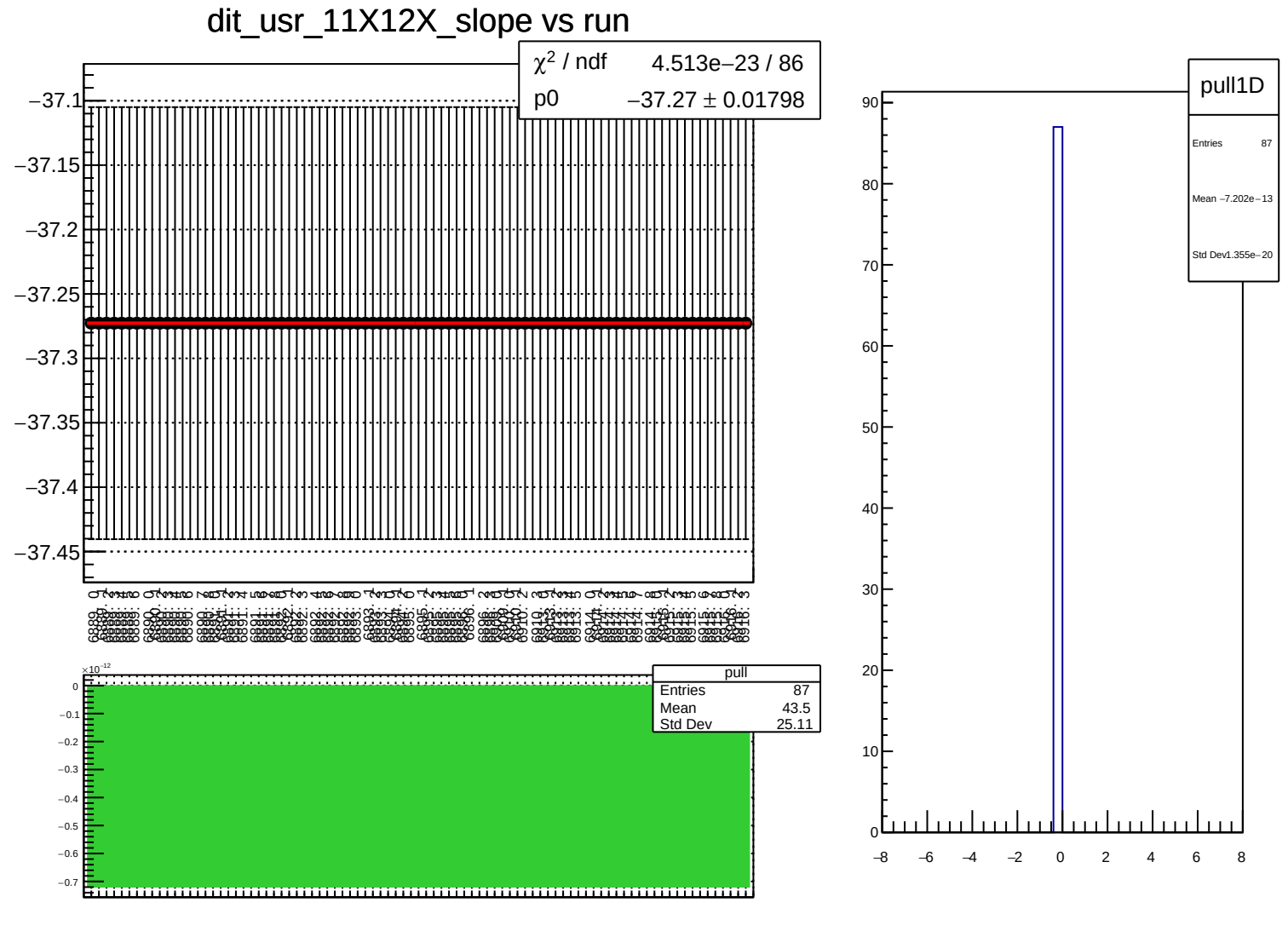

dit_usl_11X12X_slope vs run
χ² / ndf 4.399e−24 / 86
p0 −39.04 ± 0.04743
−38.6
−38.8
−39
−39.2
−39.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 87
Mean −2.249e−13
Std Dev9.878e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

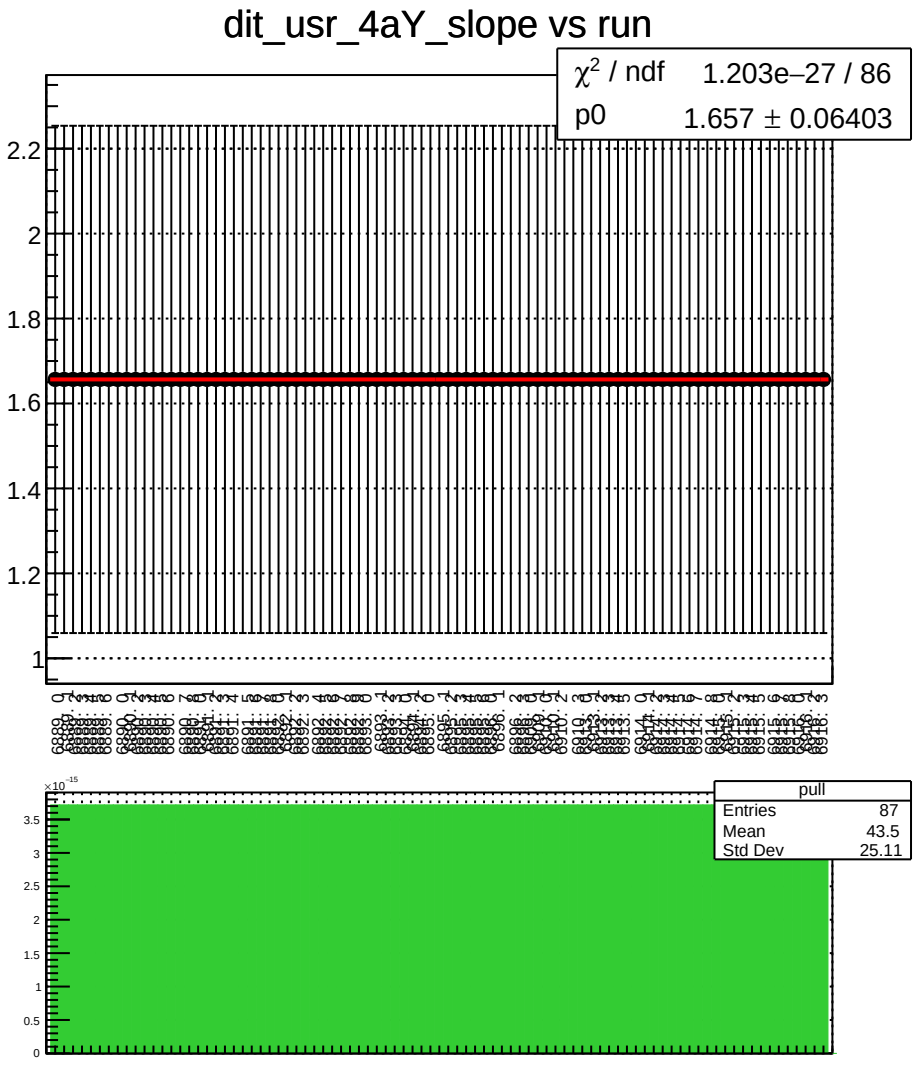

dit_usl_4aY_slope vs run
χ² / ndf 1.204e−29 / 86
p0 0.5516 ± 0.06398
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 3.721e−16
Std Dev 6.617e−24

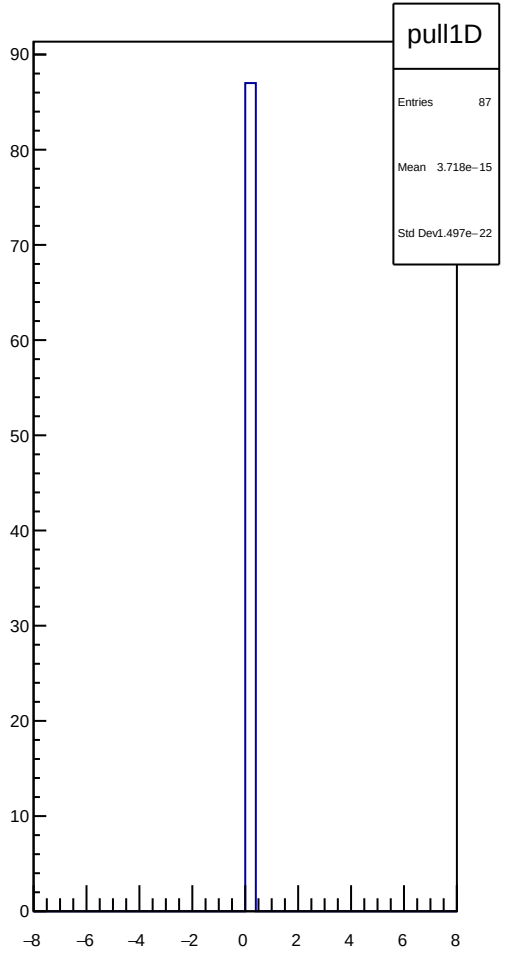

dit_usl_4eY_slope vs run
χ² / ndf 2.283e−24 / 86
p0 19.82 ± 0.04232
20.2
20.1
20
19.9
19.8
19.7
19.6
19.5
19.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 87
Mean −1.62e−13
Std Dev1.098e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

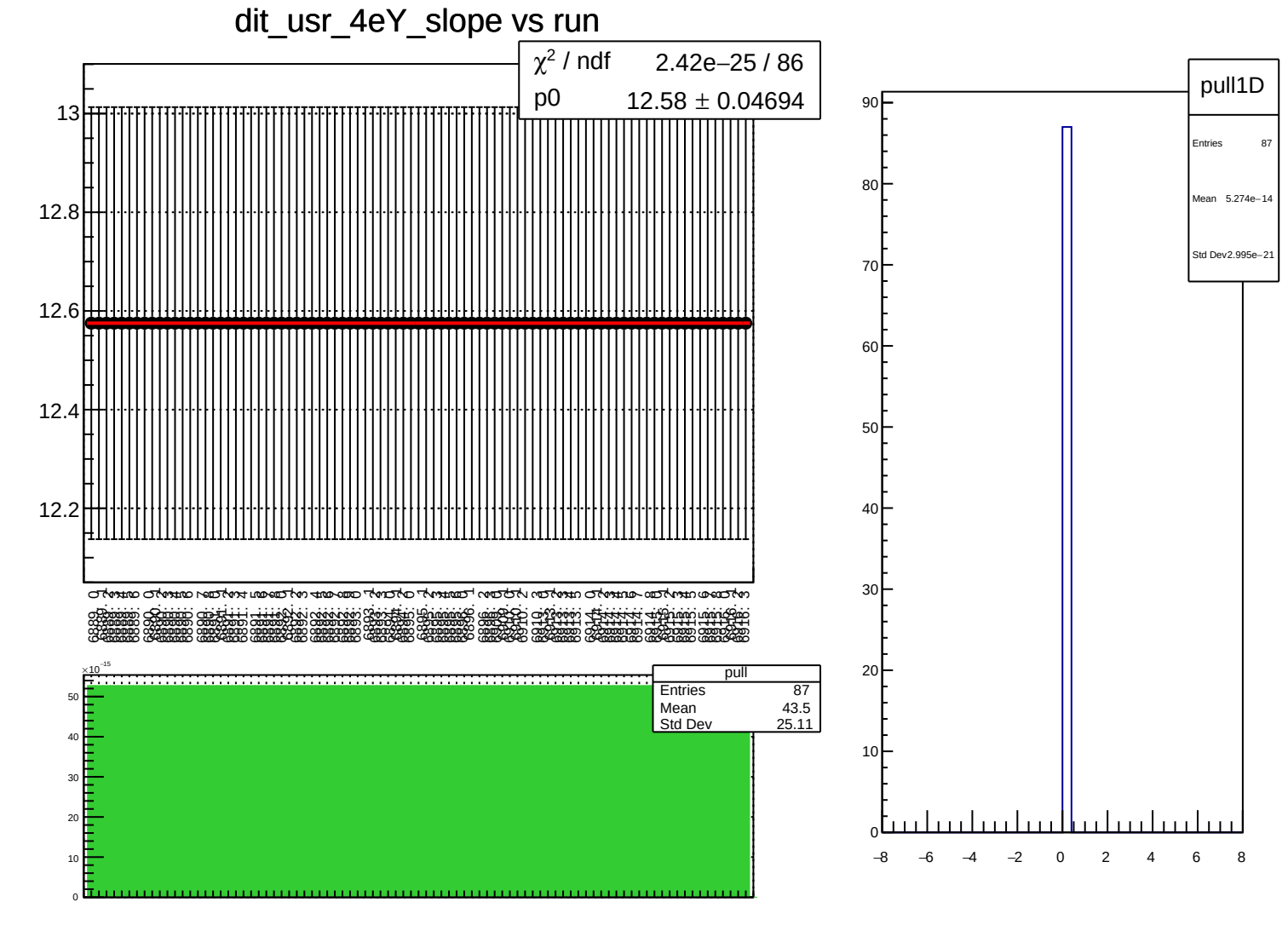

dit_usr_4aX_slope vs run
χ² / ndf 9.646e−24 / 86
p0 −140.9 ± 0.1556
−139.5
−140
−140.5
−141
−141.5
−142
−142.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 87
Mean 3.33e−13
Std Dev 1.589e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

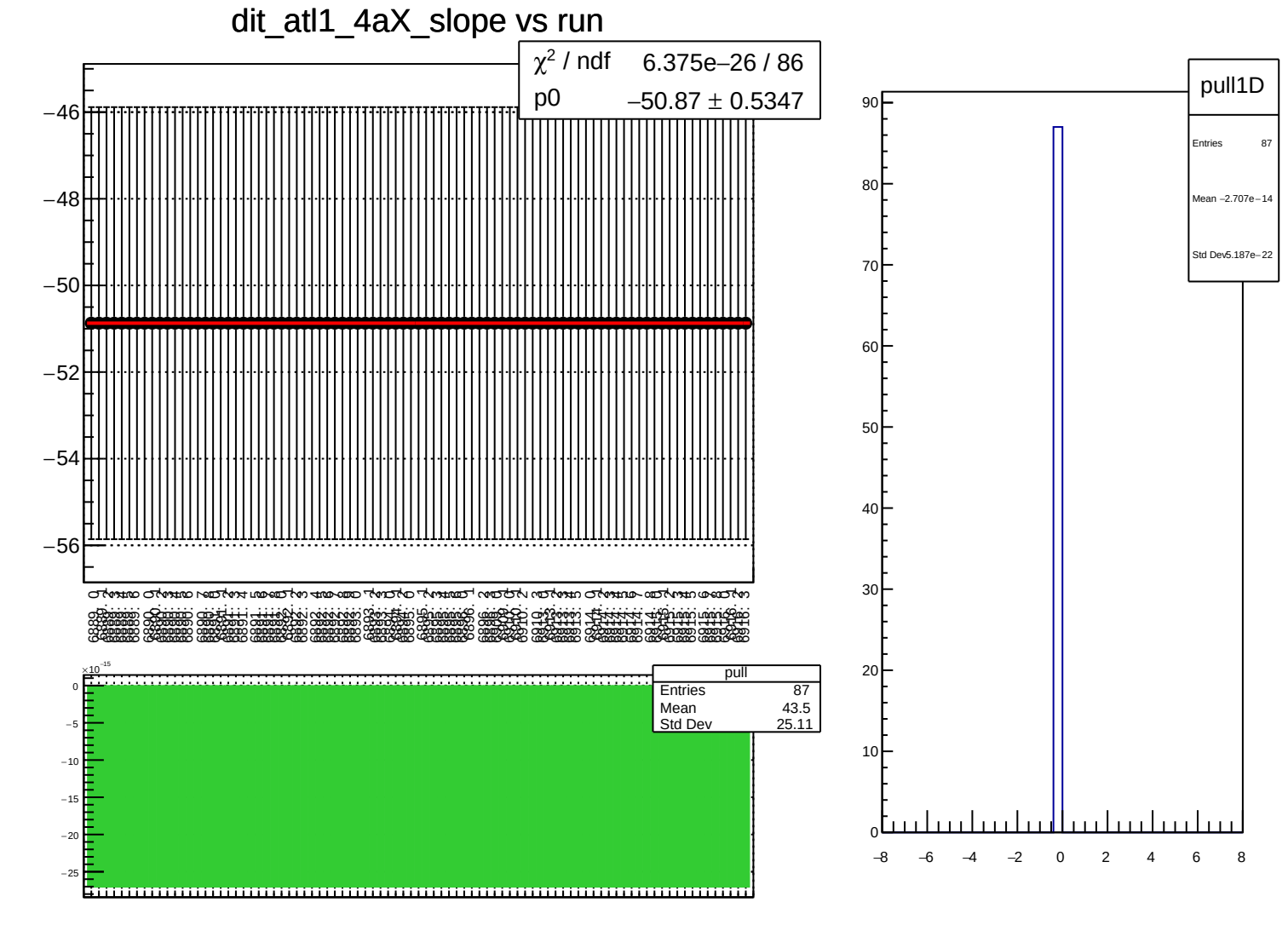

dit_usr_4eX_slope vs run
χ² / ndf 2.223e−24 / 86
p0 194.1 ± 0.1334
195.5
195
194.5
194
193.5
193
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 87
Mean −1.599e−13
Std Dev5.082e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

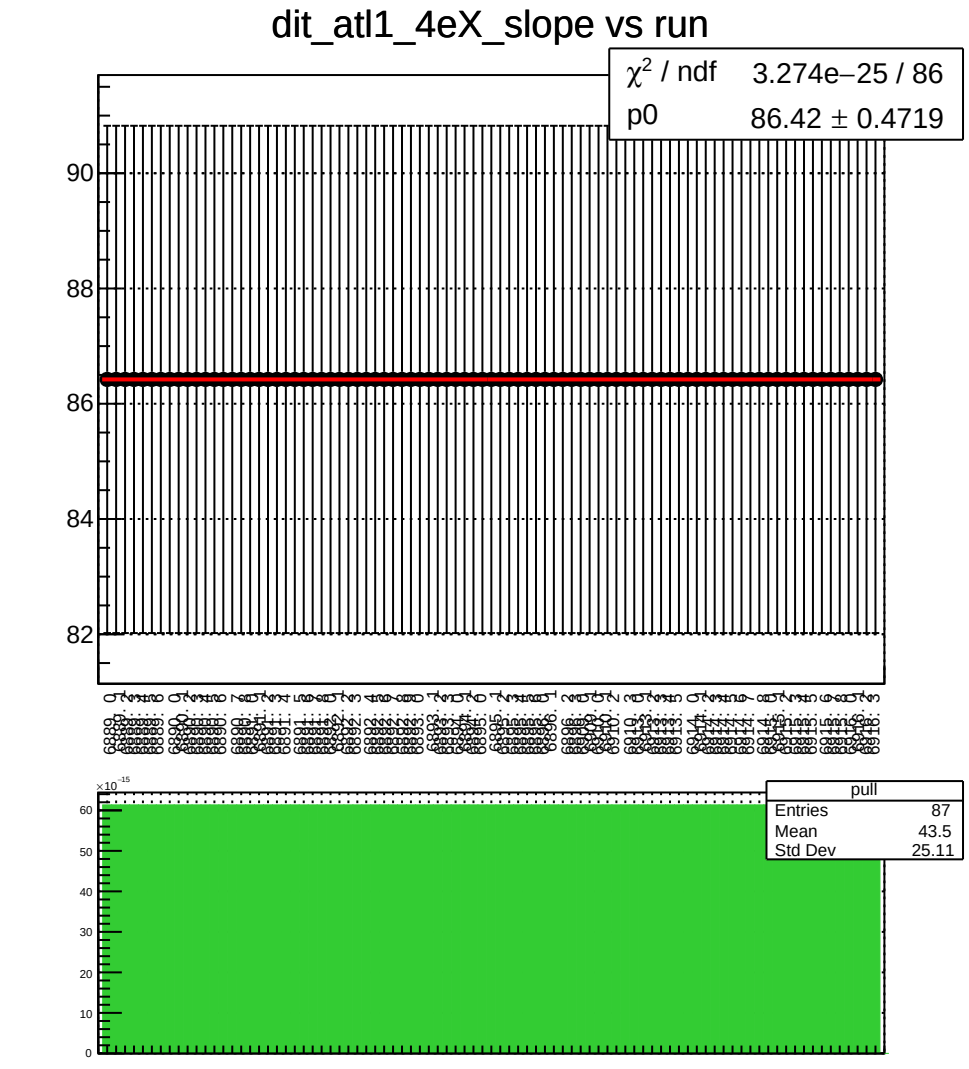

dit_usr_11X12X_slope vs run
χ² / ndf 4.513e−23 / 86
p0 −37.27 ± 0.01798
−37.1
−37.15
−37.2
−37.25
−37.3
−37.35
−37.4
−37.45
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull1D
Entries 87
Mean −7.202e−13
Std Dev1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

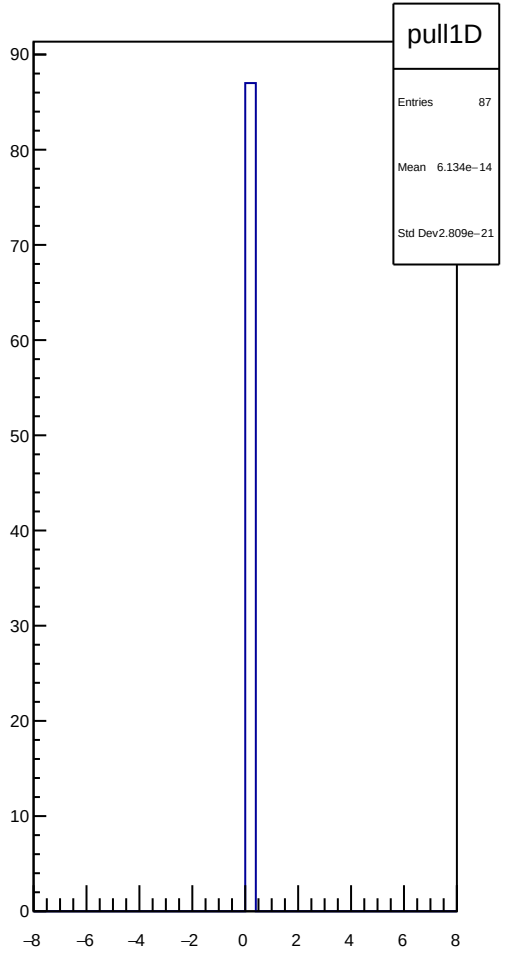

dit_usr_4aY_slope vs run
χ² / ndf 1.203e−27 / 86
p0 1.657 ± 0.06403
pull
Entries 87
Mean 43.5
Std Dev 25.11

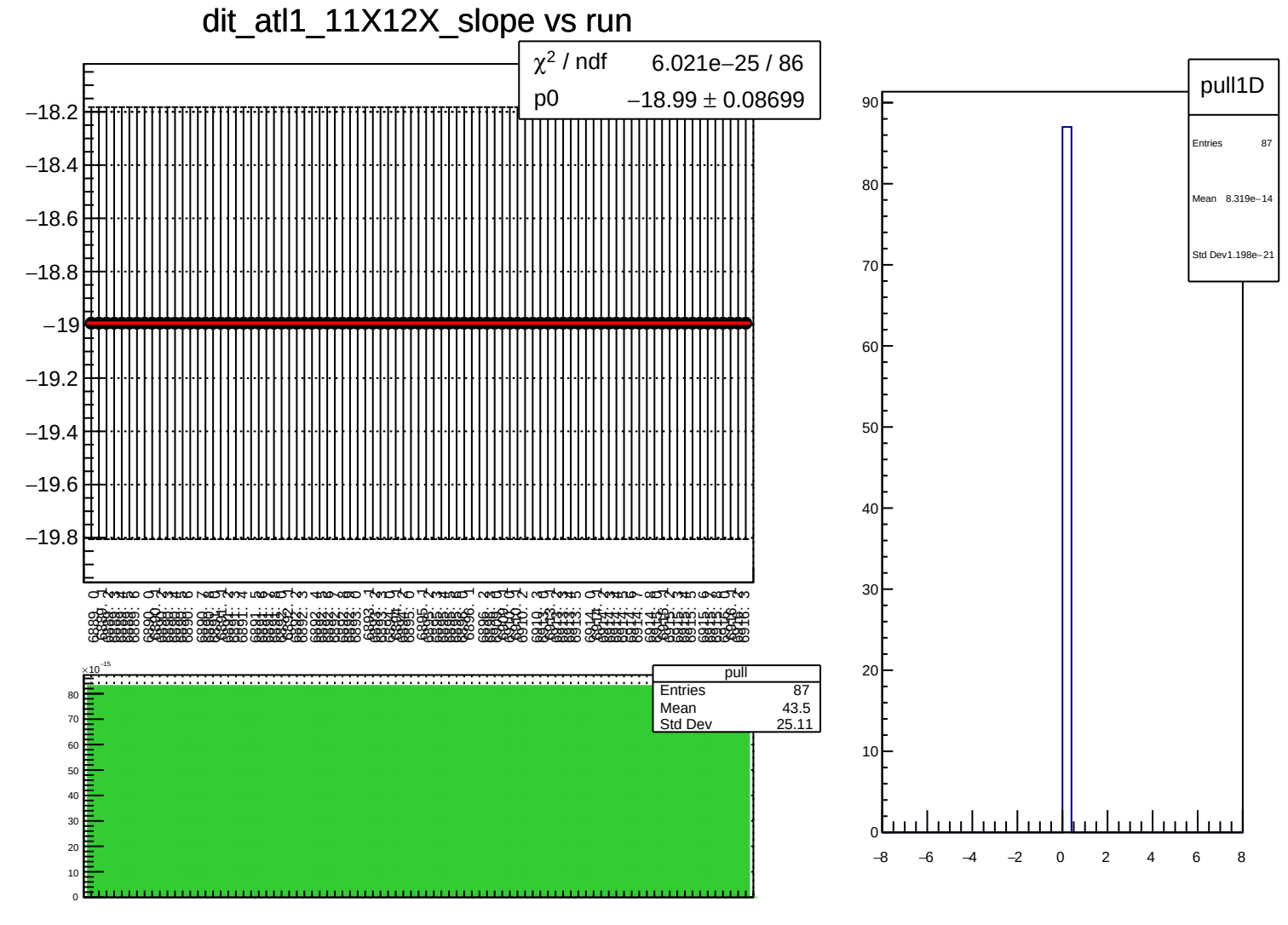

pull1D
Entries 87
Mean 3.718e−15
Std Dev1.497e−22

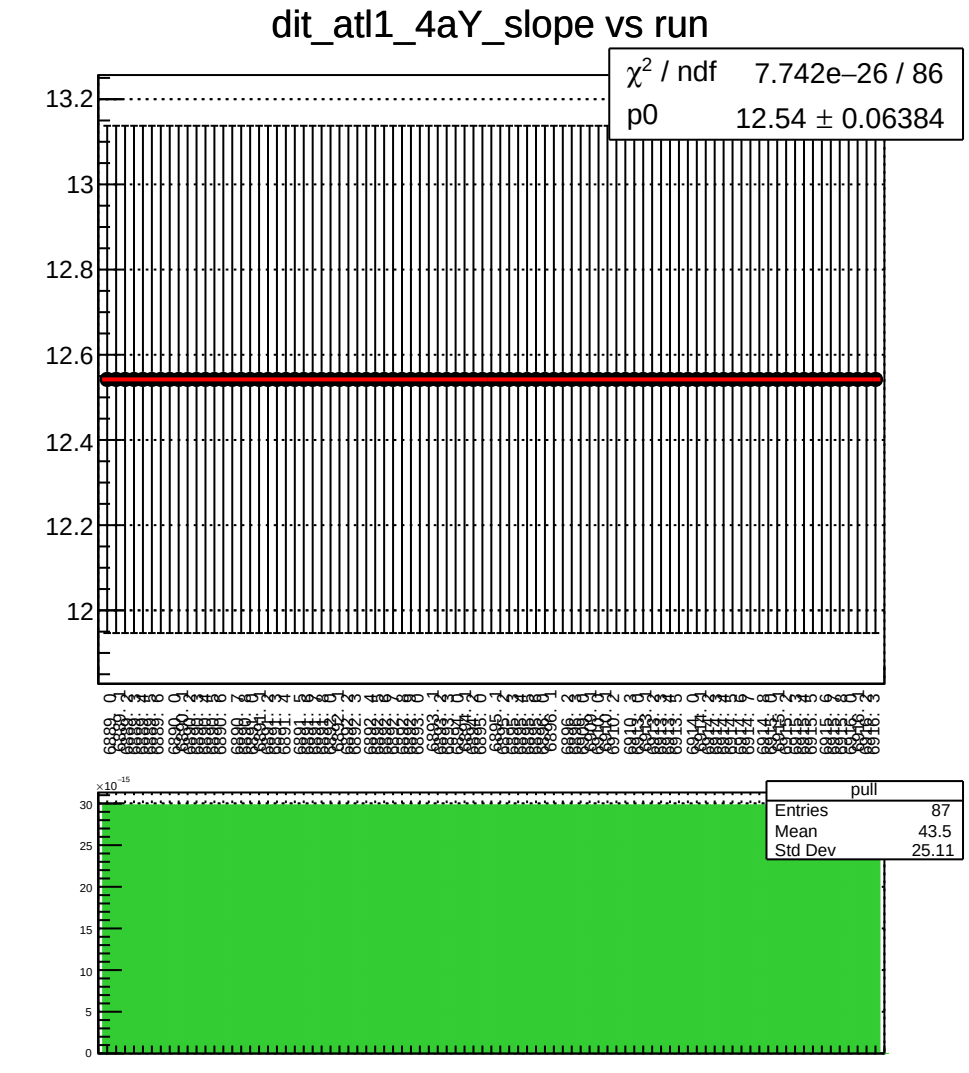

dit_usr_4eY_slope vs run
χ² / ndf 2.42e−25 / 86
p0 12.58 ± 0.04694
13
12.8
12.6
12.4
12.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.274e−14
Std Dev2.995e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

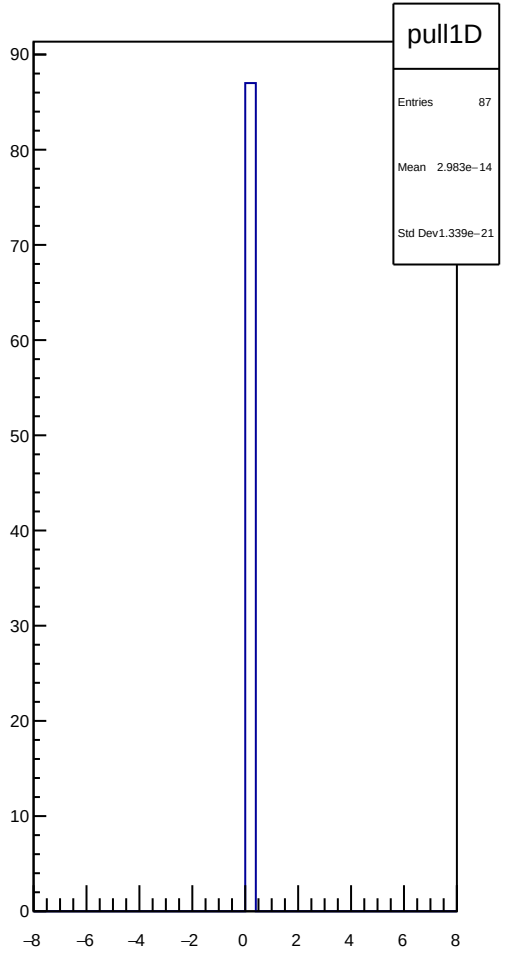

dit_atl1_4aX_slope vs run
χ² / ndf 6.375e−26 / 86
p0 −50.87 ± 0.5347
−46
−48
−50
−52
−54
−56
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 87
Mean −2.707e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

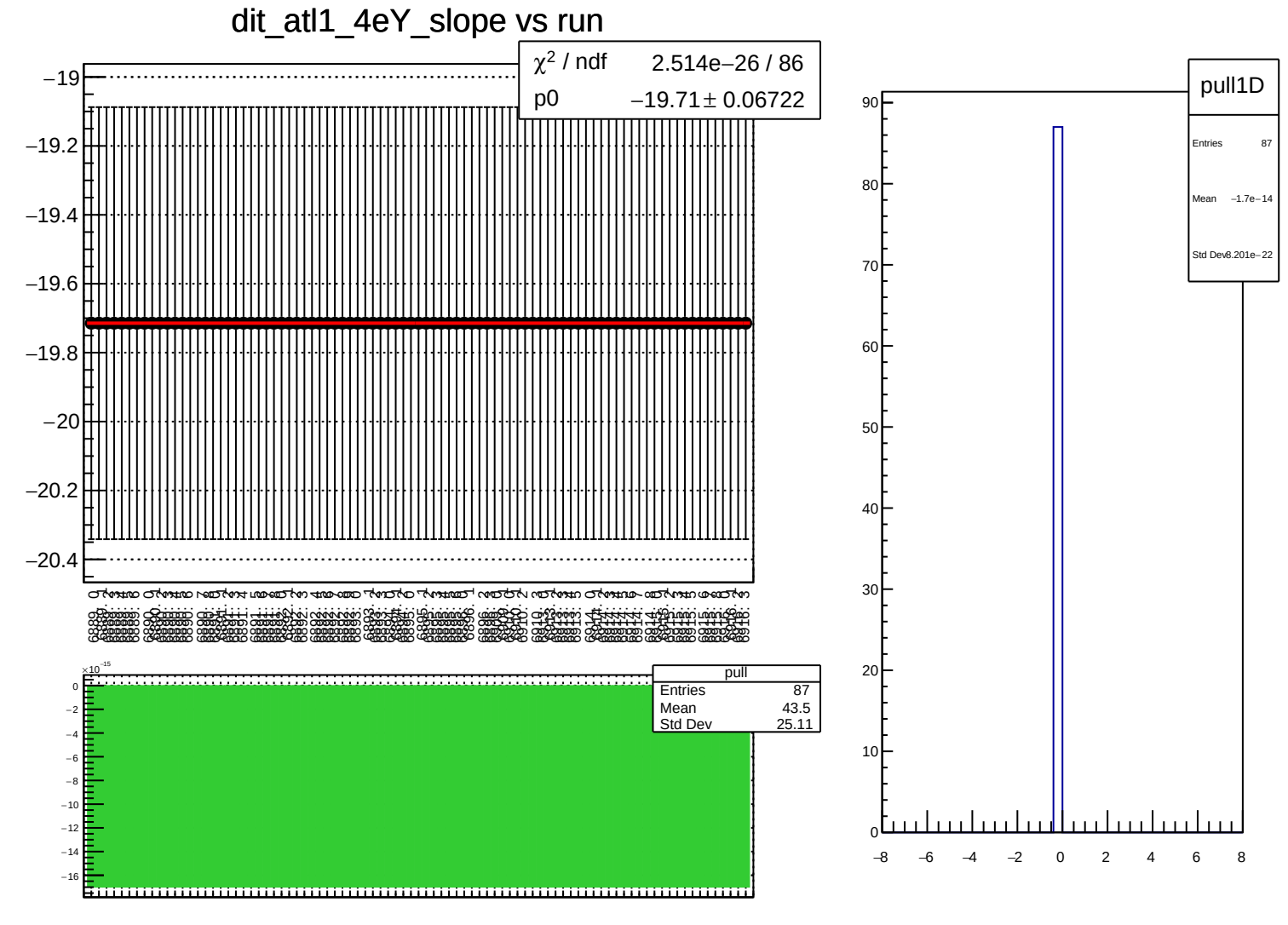

dit_atl1_4eX_slope vs run
χ² / ndf 3.274e−25 / 86
p0 86.42 ± 0.4719
90
88
86
84
82
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
60
50
40
30
20
10
0

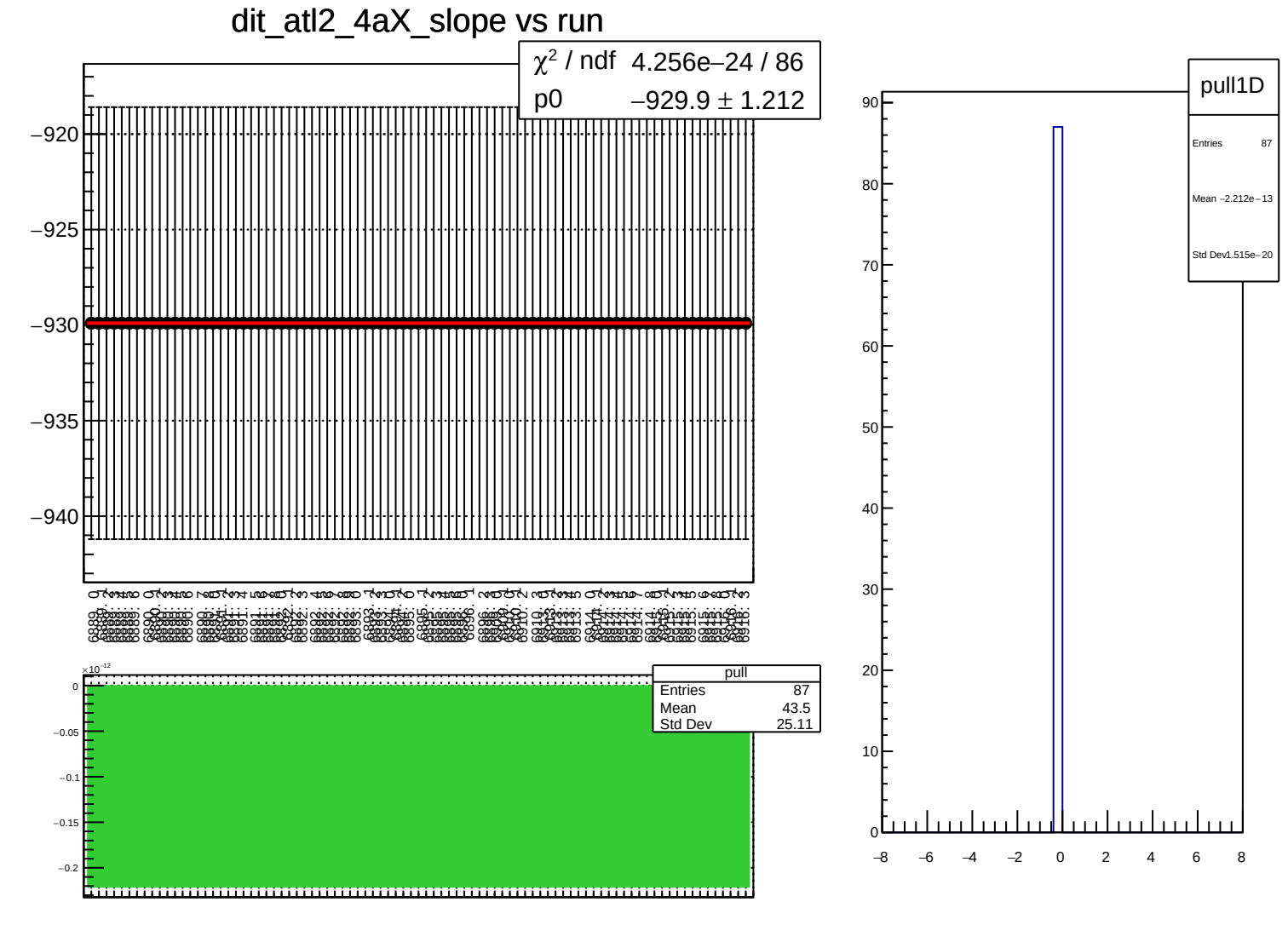

pull1D
Entries 87
Mean 6.134e−14
Std Dev2.809e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

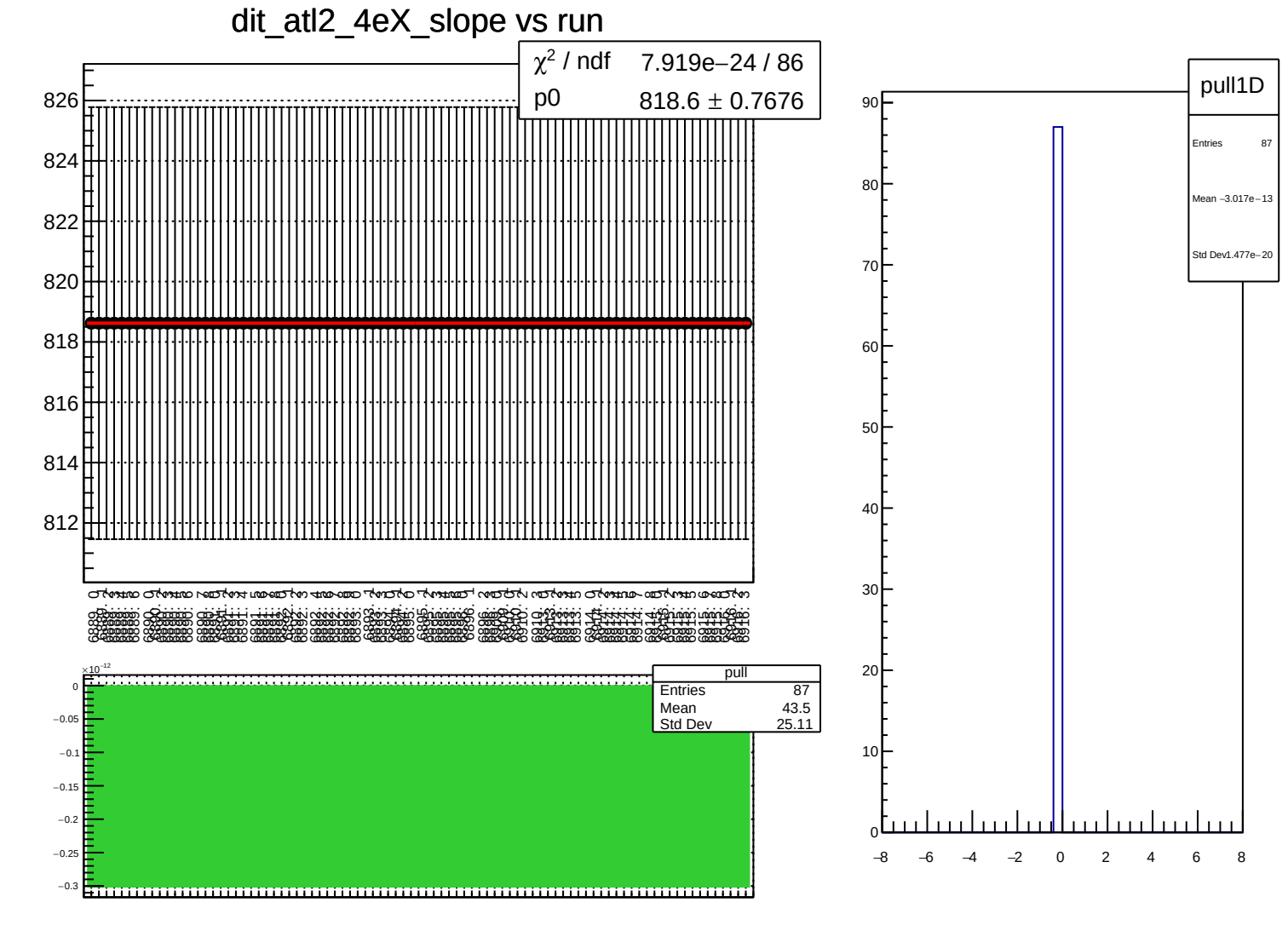

dit_atl1_11X12X_slope vs run
χ² / ndf 6.021e−25 / 86
p0 −18.99 ± 0.08699
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 8.319e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

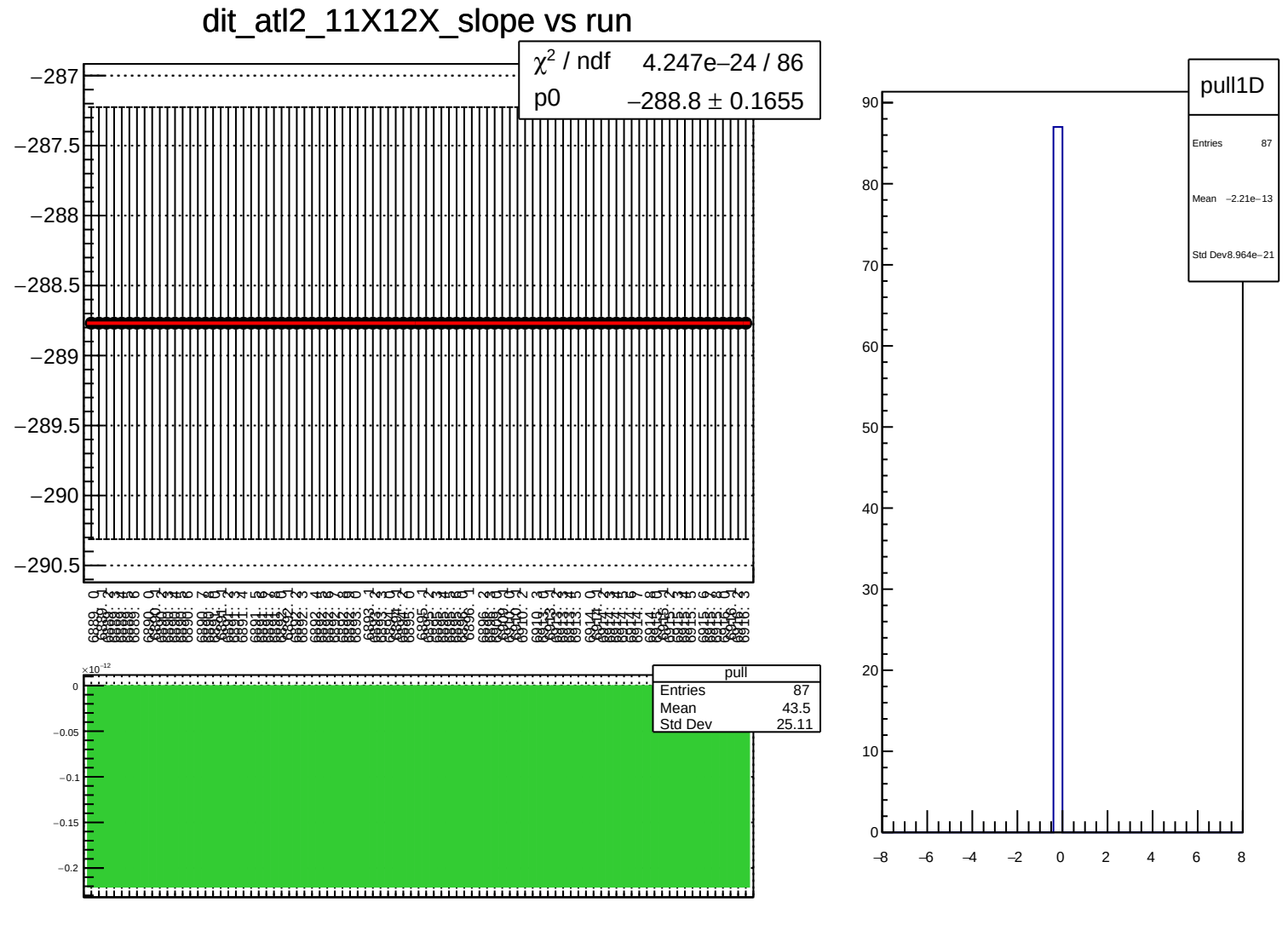

dit_atl1_4aY_slope vs run
χ² / ndf 7.742e−26 / 86
p0 12.54 ± 0.06384
13.2
13
12.8
12.6
12.4
12.2
12
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
30
25
20
15
10
5
0

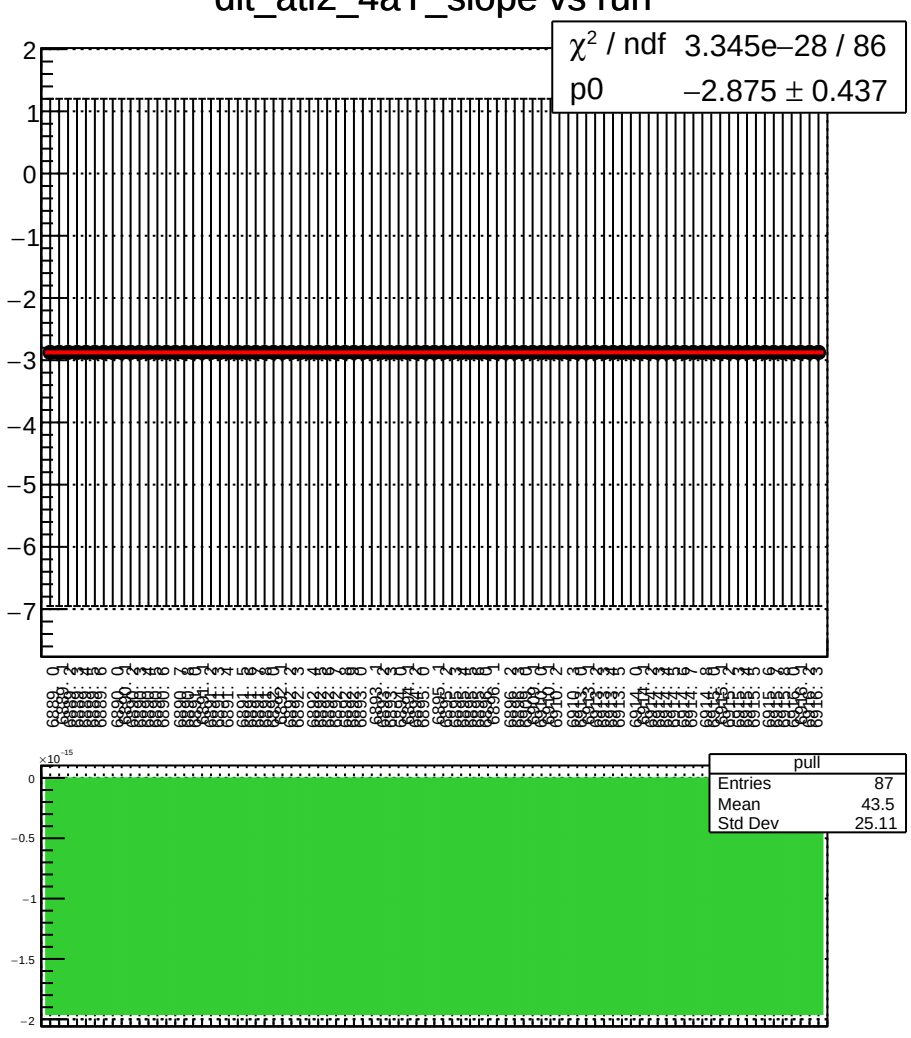

pull1D
Entries 87
Mean 2.983e−14
Std Dev1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

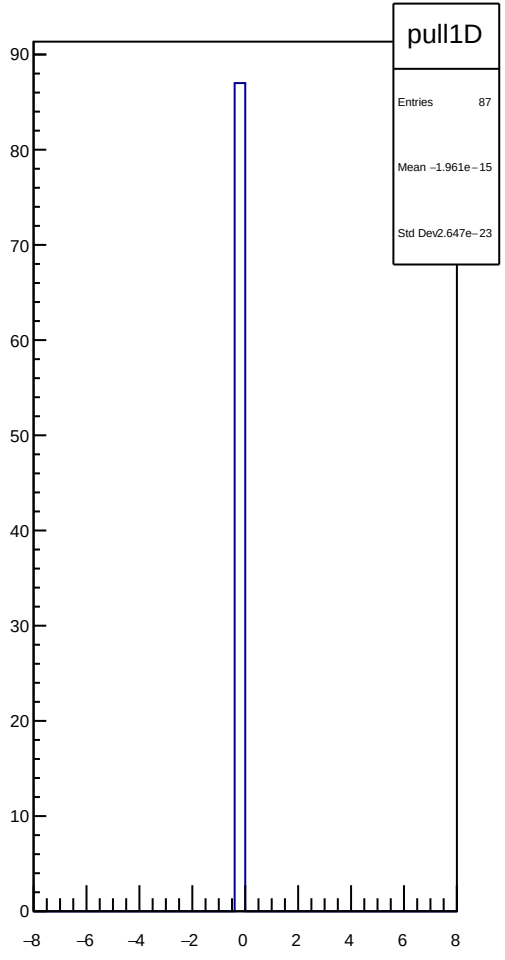

dit_atl1_4eY_slope vs run
χ² / ndf 2.514e−26 / 86
p0 −19.71 ± 0.06722
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 87
Mean −1.7e−14
Std Dev 8.201e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

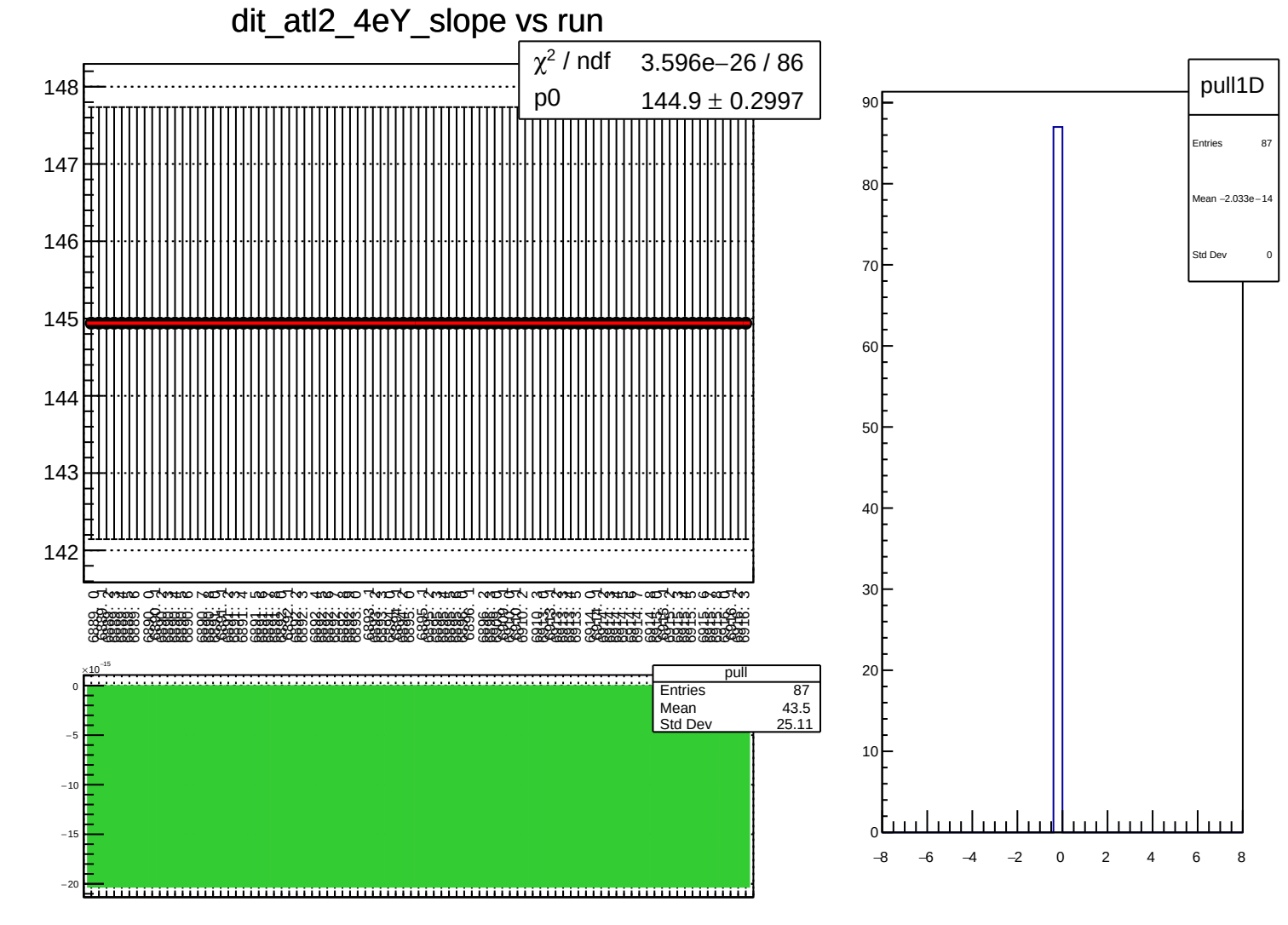

dit_atl2_4aX_slope vs run
χ² / ndf 4.256e−24 / 86
p0 −929.9 ± 1.212
−920
−925
−930
−935
−940
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 87
Mean −2.212e−13
Std Dev1.515e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

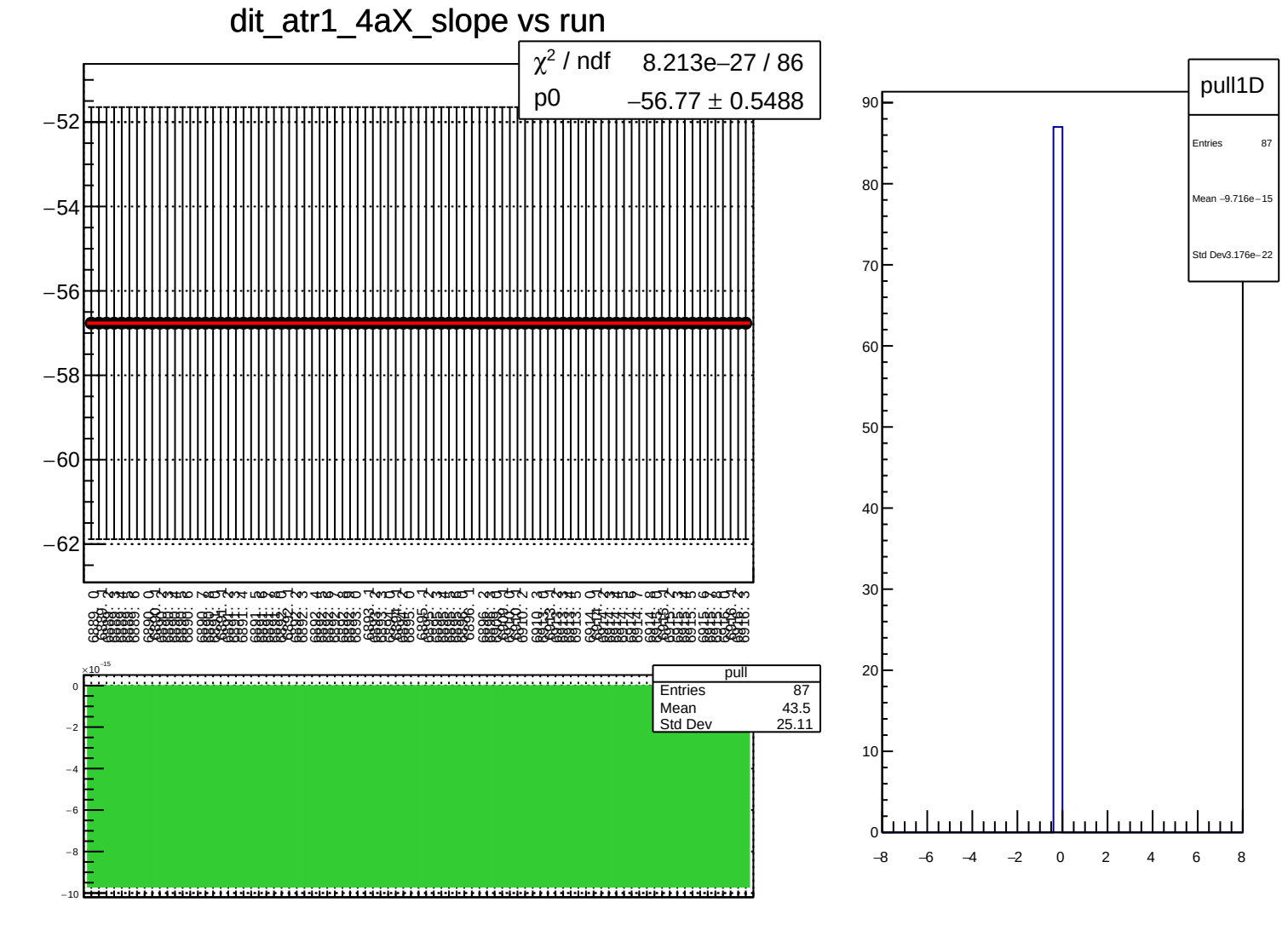

dit_atl2_4eX_slope vs run
χ² / ndf 7.919e−24 / 86
p0 818.6 ± 0.7676
826
824
822
820
818
816
814
812
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −3.017e−13
Std Dev1.477e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

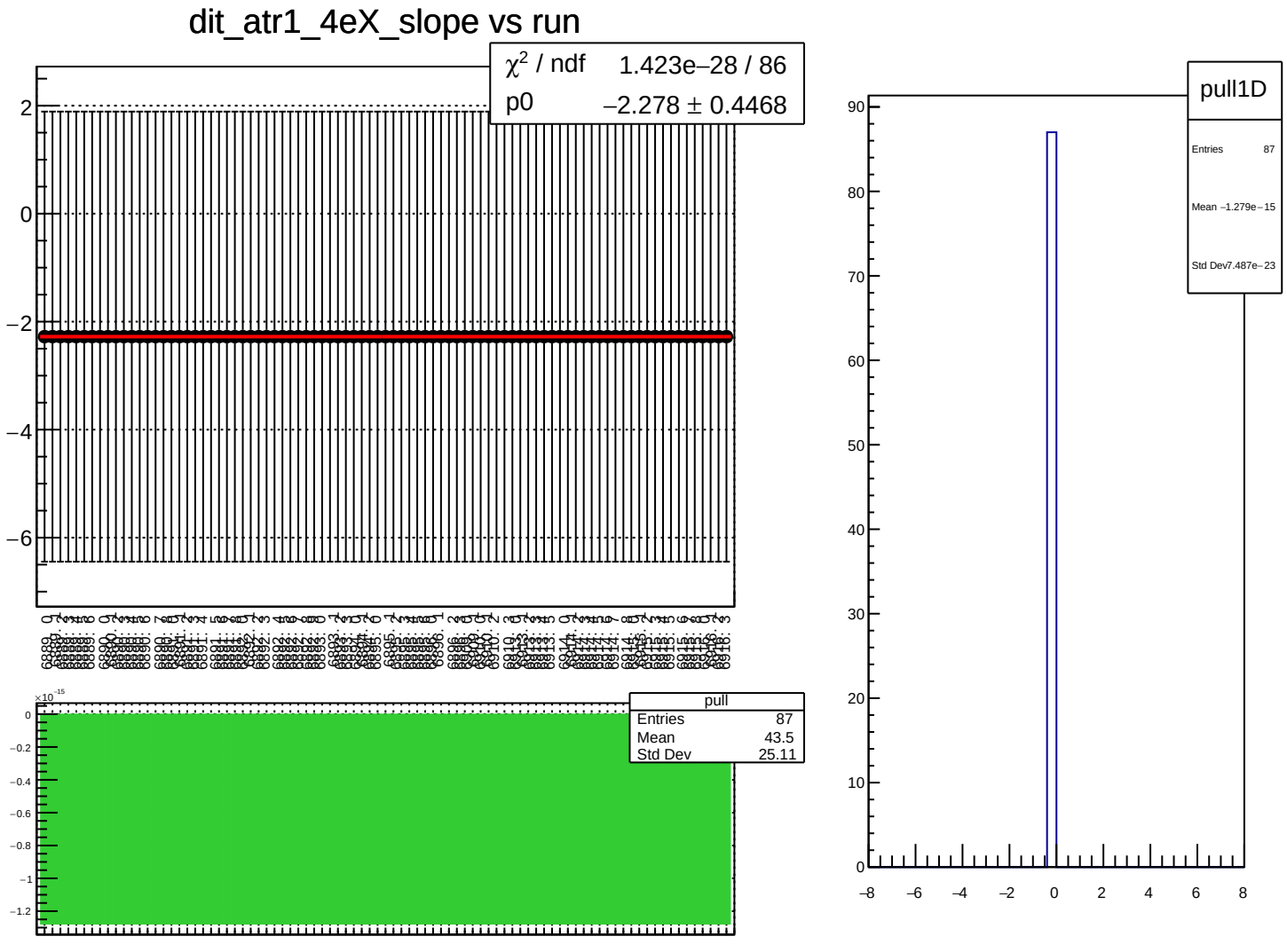

dit_atl2_11X12X_slope vs run
χ² / ndf 4.247e−24 / 86
p0 −288.8 ± 0.1655
−287
−287.5
−288
−288.5
−289
−289.5
−290
−290.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 87
Mean −2.21e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

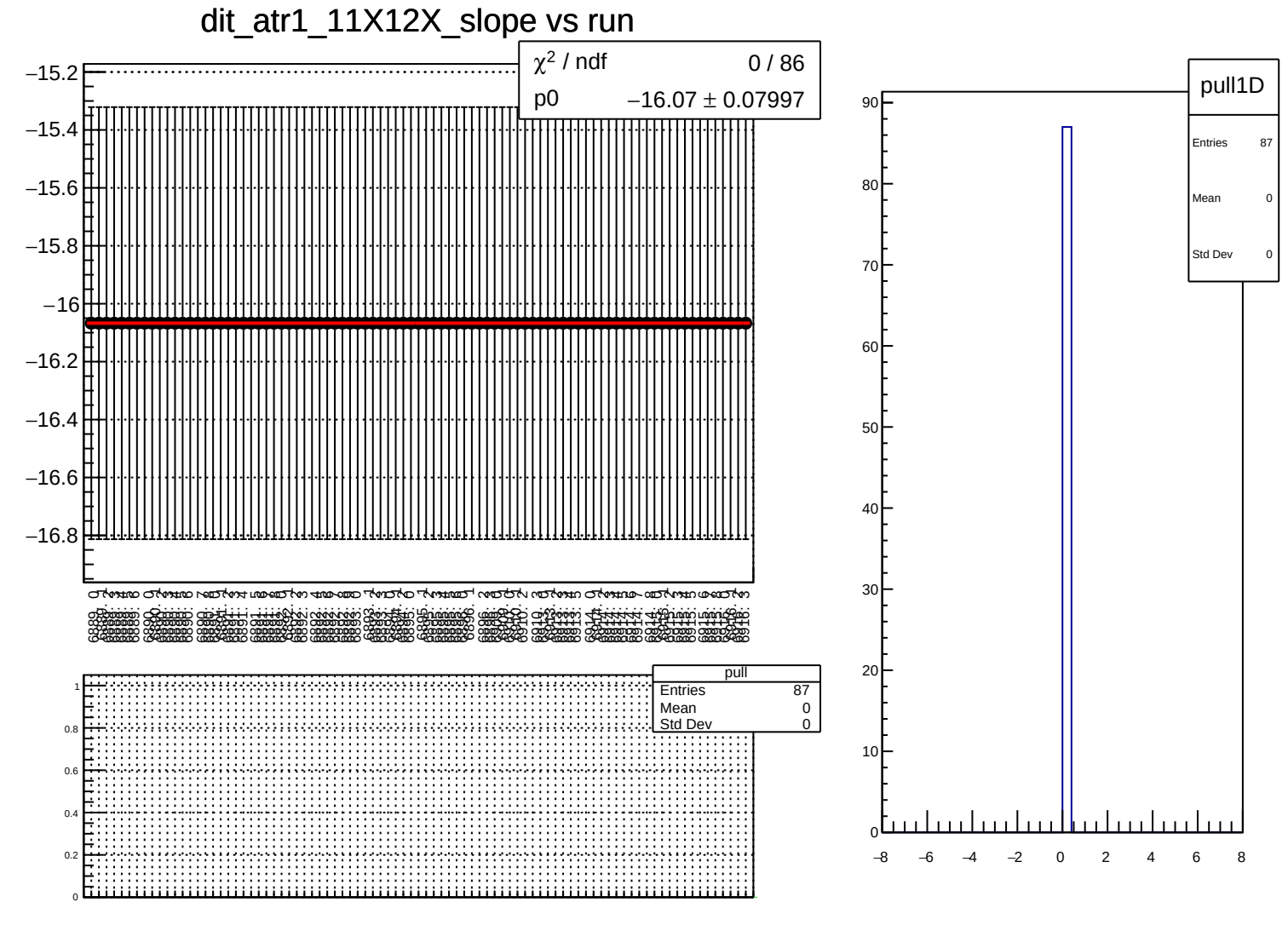

dit_atl2_4aY_slope vs run
χ² / ndf 3.345e−28 / 86
p0 −2.875 ± 0.437
pull
Entries 87
Mean 43.5
Std Dev 25.11

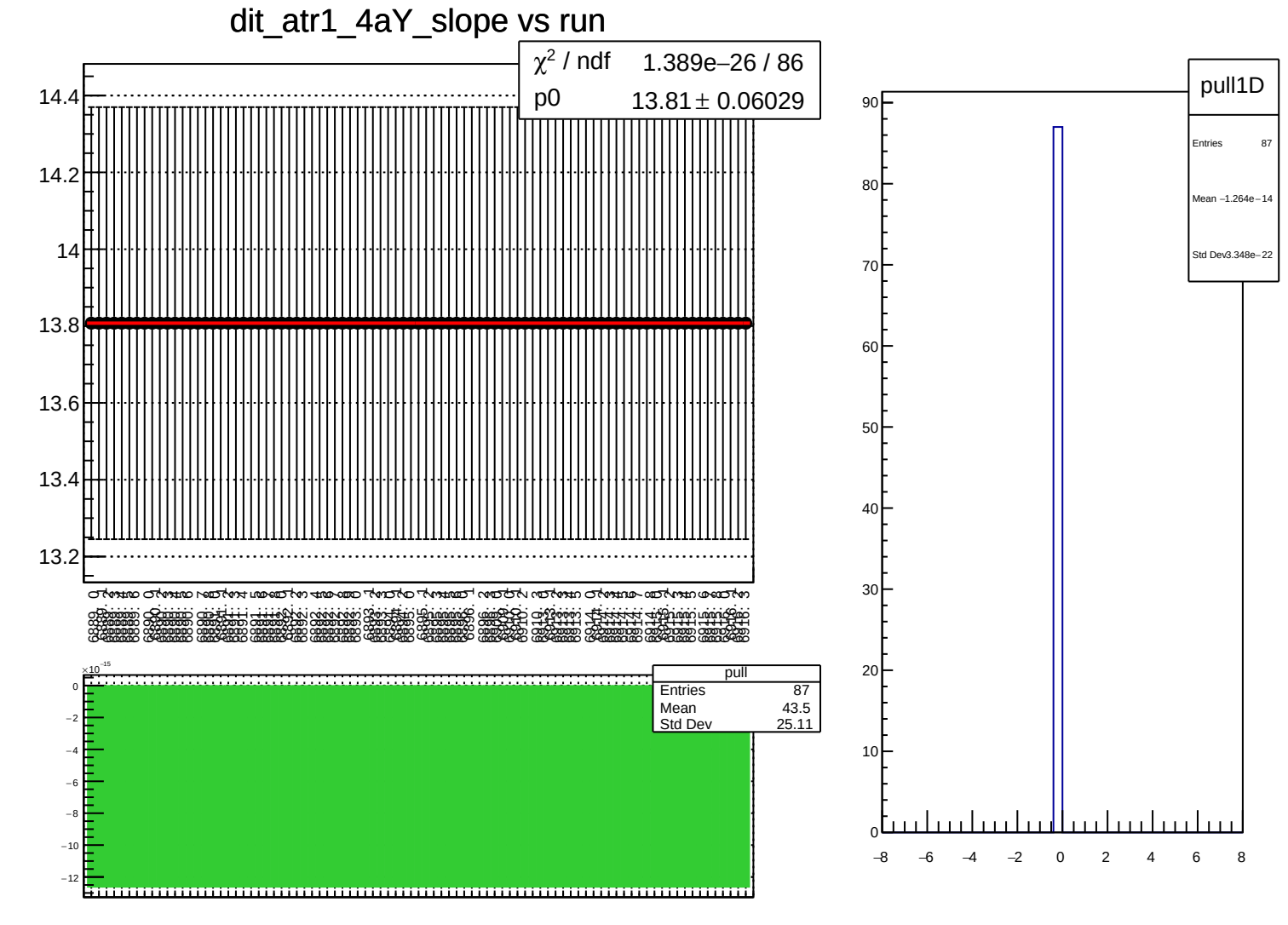

pull1D
Entries 87
Mean −1.961e−15
Std Dev 2.647e−23

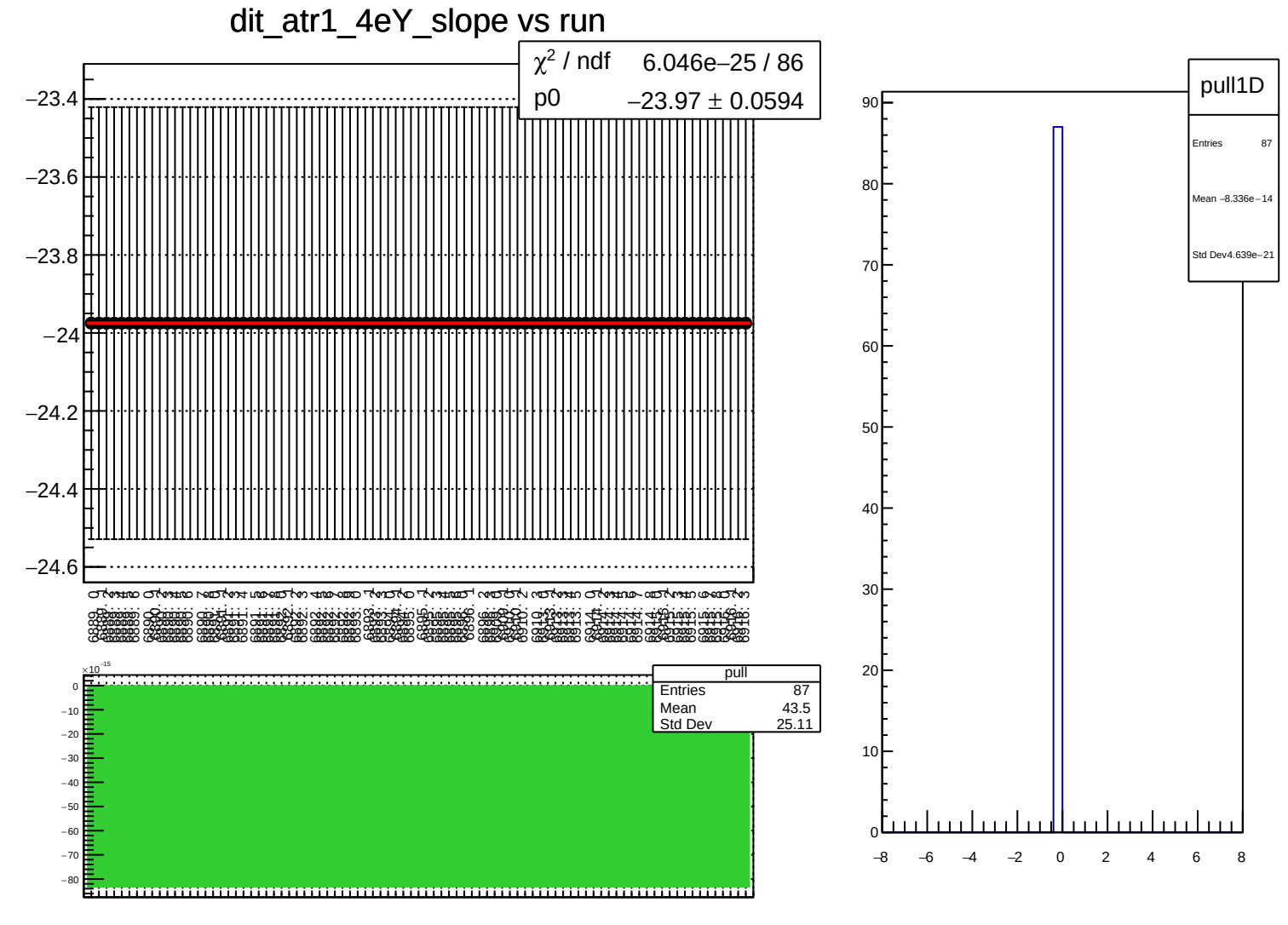

dit_atl2_4eY_slope vs run
χ² / ndf 3.596e−26 / 86
p0 144.9 ± 0.2997
148
147
146
145
144
143
142
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 87
Mean −2.033e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

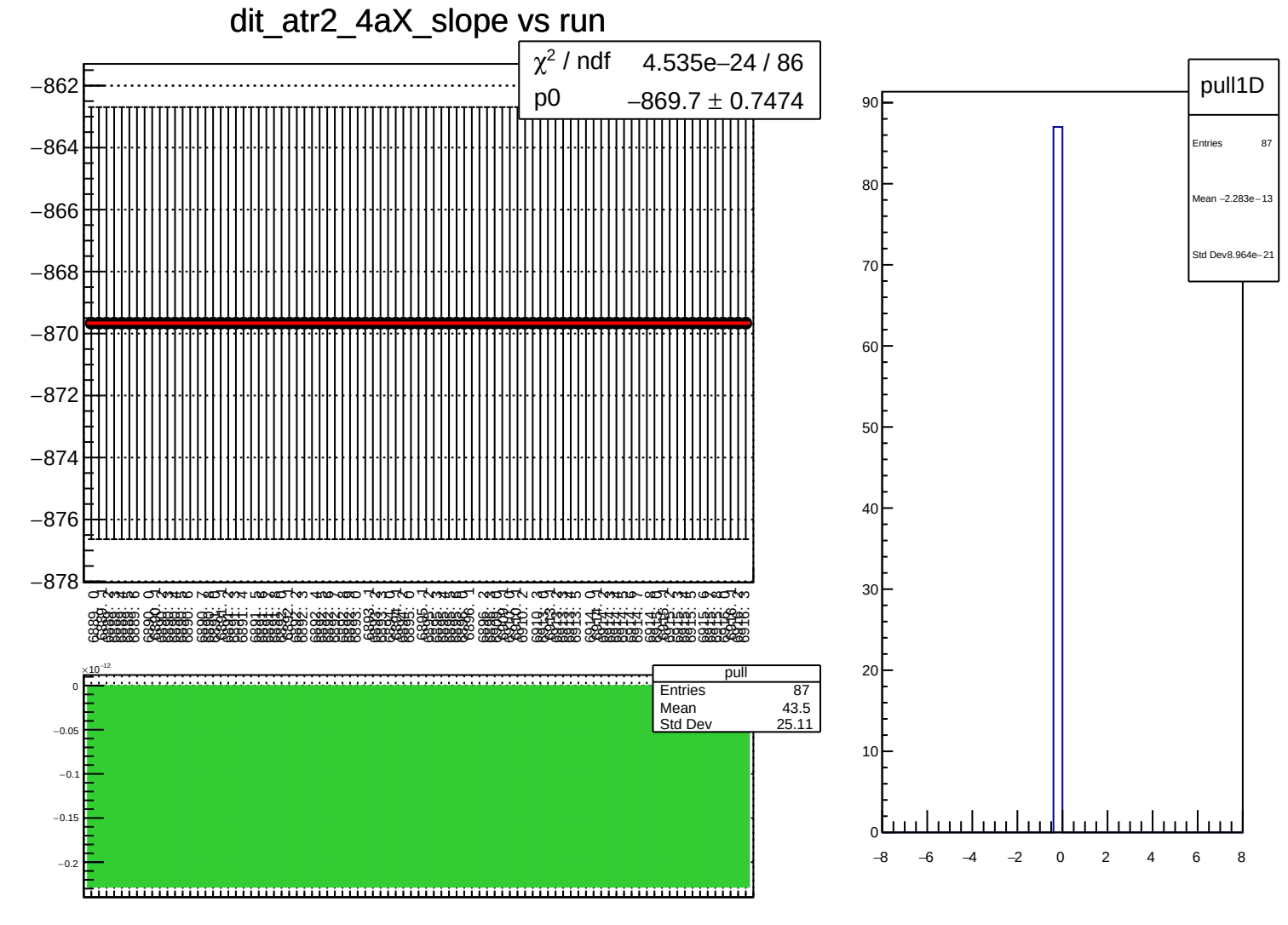

dit_atr1_4aX_slope vs run
χ² / ndf 8.213e−27 / 86
p0 −56.77 ± 0.5488
−52
−54
−56
−58
−60
−62
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −9.716e−15
Std Dev 3.176e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

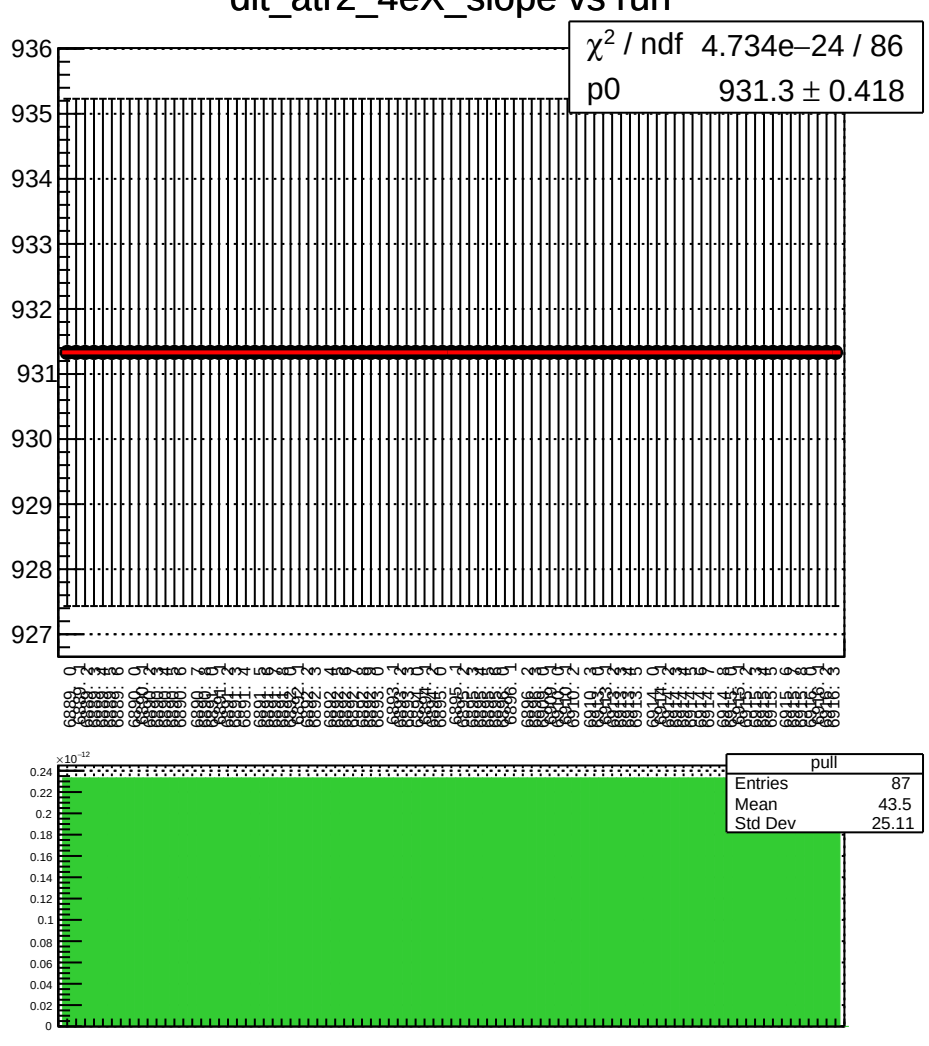

dit_atr1_4eX_slope vs run
χ² / ndf 1.423e−28 / 86
p0 −2.278 ± 0.4468
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −1.279e−15
Std Dev7.487e−23

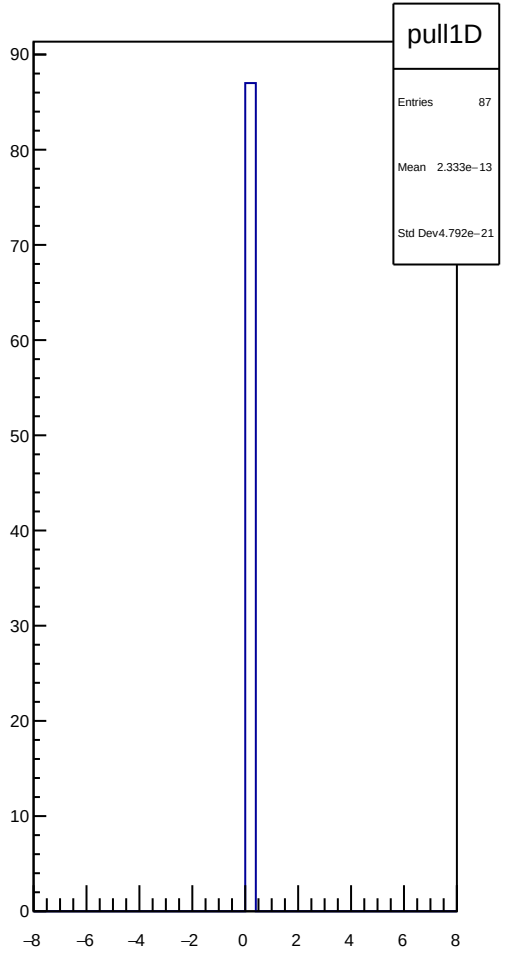

dit_atr1_11X12X_slope vs run
χ² / ndf 0 / 86
p0 −16.07 ± 0.07997
pull
Entries 87
Mean 0
Std Dev 0
pull1D
Entries 87
Mean 0
Std Dev 0

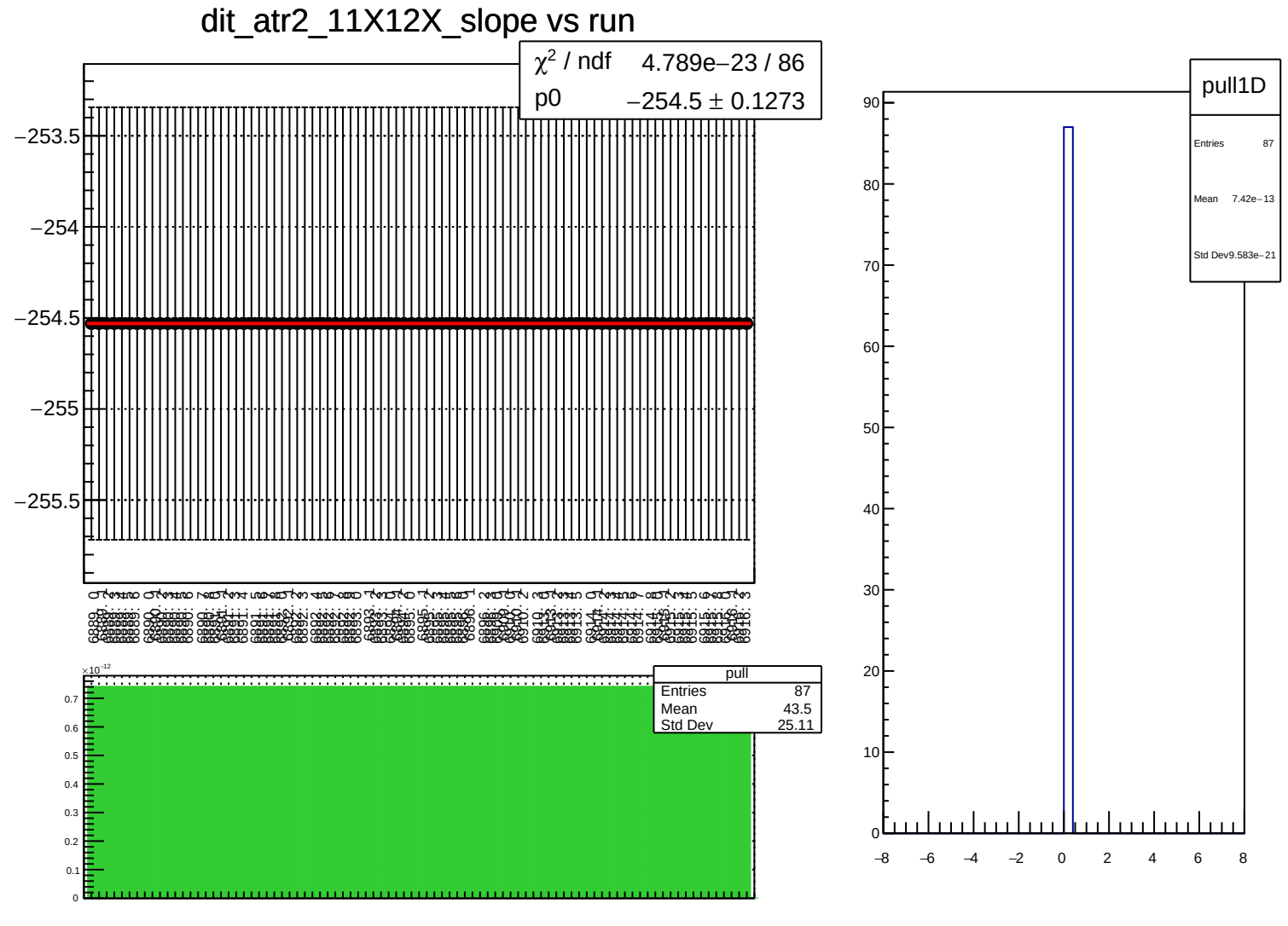

dit_atr1_4aY_slope vs run
χ² / ndf 1.389e−26 / 86
p0 13.81 ± 0.06029
14.4
14.2
14
13.8
13.6
13.4
13.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 87
Mean −1.264e−14
Std Dev 3.348e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

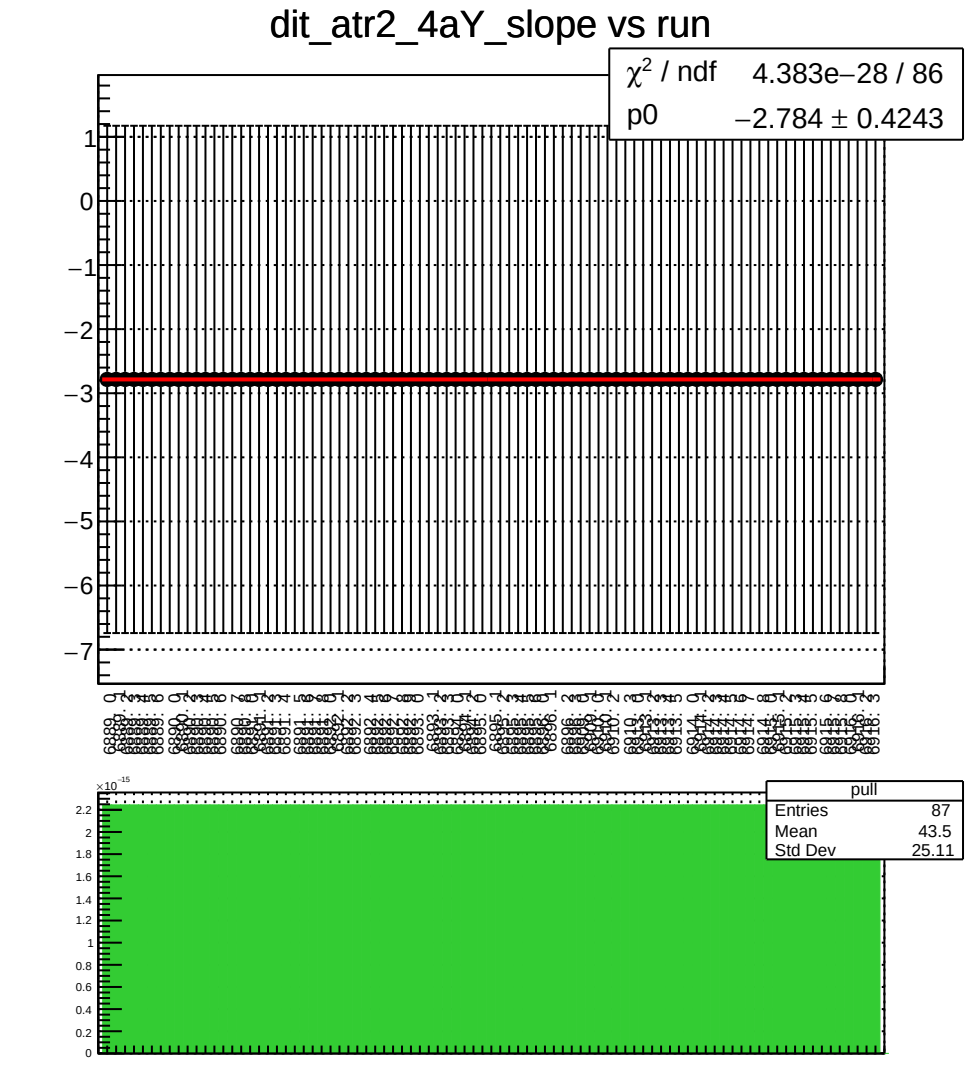

dit_atr1_4eY_slope vs run
χ² / ndf 6.046e−25 / 86
p0 −23.97 ± 0.0594
−23.4
−23.6
−23.8
−24
−24.2
−24.4
−24.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 87
Mean −8.336e−14
Std Dev4.639e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

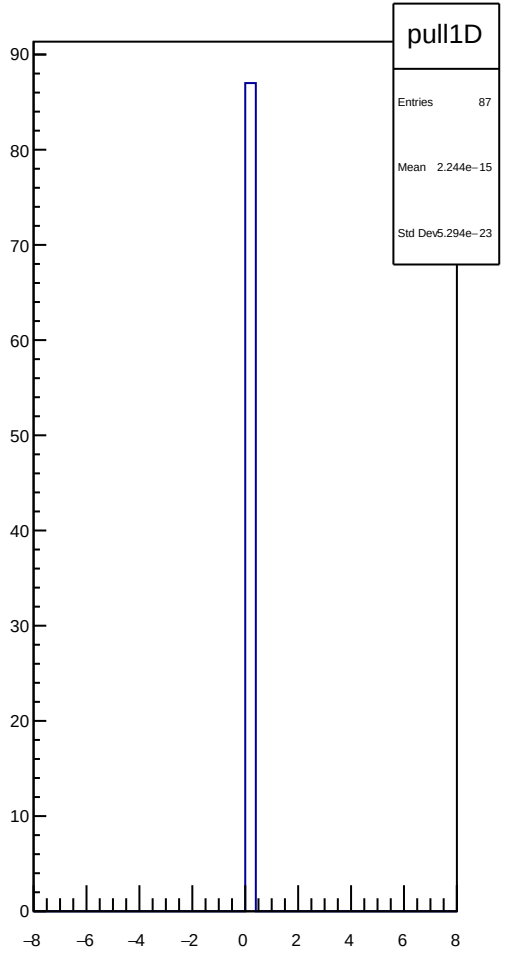

dit_atr2_4aX_slope vs run
χ² / ndf 4.535e−24 / 86
p0 −869.7 ± 0.7474
−862
−864
−866
−868
−870
−872
−874
−876
−878
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 87
Mean −2.283e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

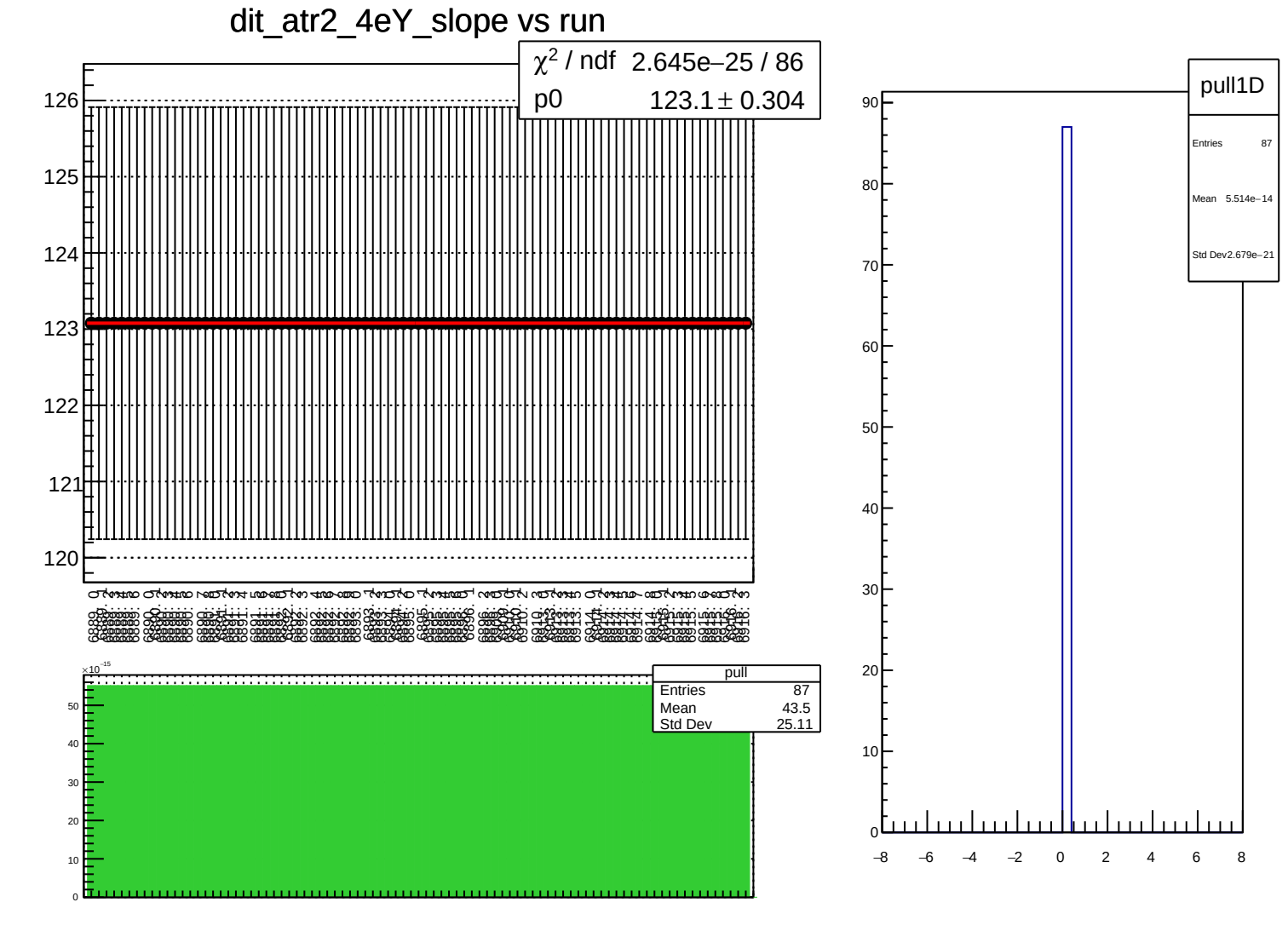

dit_atr2_4eX_slope vs run
χ^2 / ndf 4.734e−24 / 86
p0 931.3 ± 0.418
936
935
934
933
932
931
930
929
928
927
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

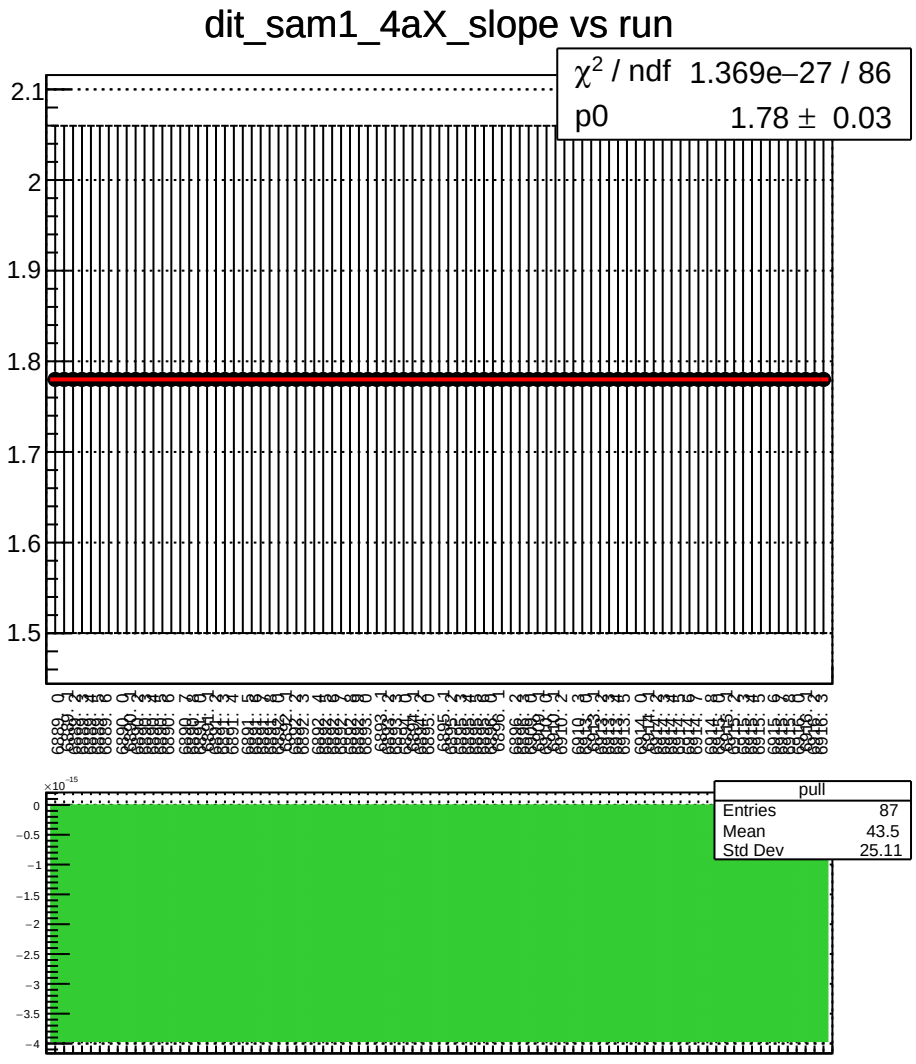

pull1D
Entries 87
Mean 2.333e−13
Std Dev 4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

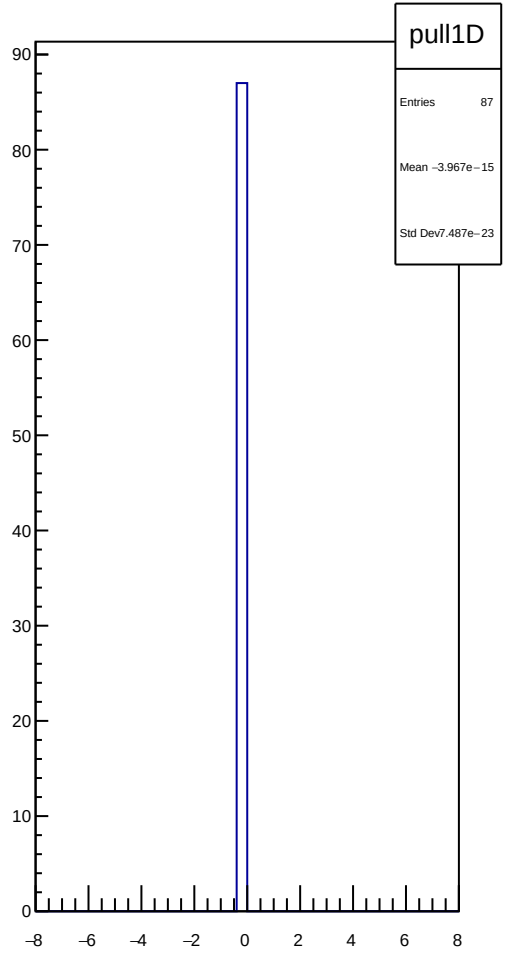

dit_atr2_11X12X_slope vs run
χ² / ndf 4.789e−23 / 86
p0 −254.5 ± 0.1273
−253.5
−254
−254.5
−255
−255.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 7.42e−13
Std Dev9.583e−21

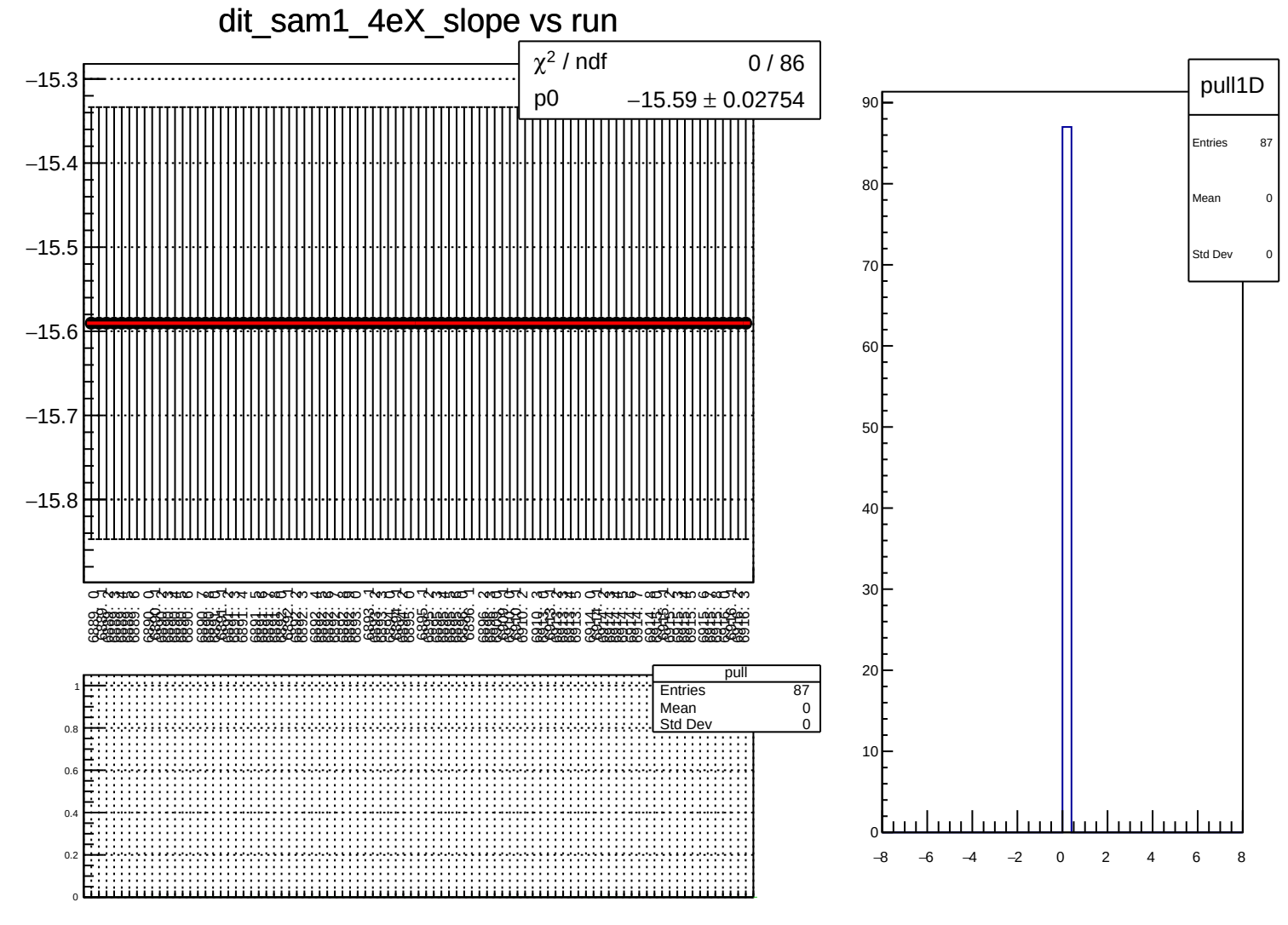

dit_atr2_4aY_slope vs run
χ² / ndf 4.383e−28 / 86
p0 −2.784 ± 0.4243
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵

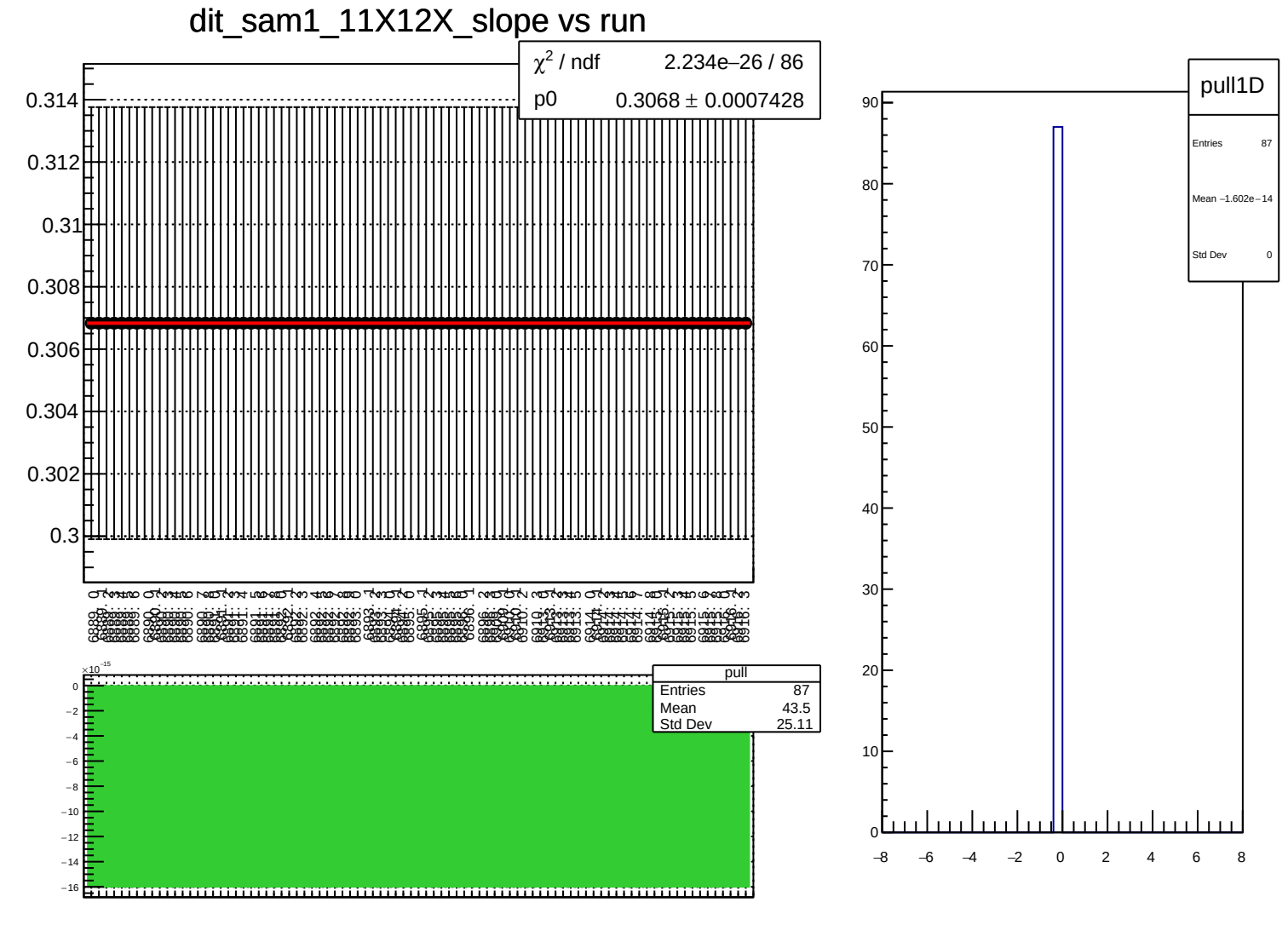

pull1D
Entries 87
Mean 2.244e−15
Std Dev 5.294e−23

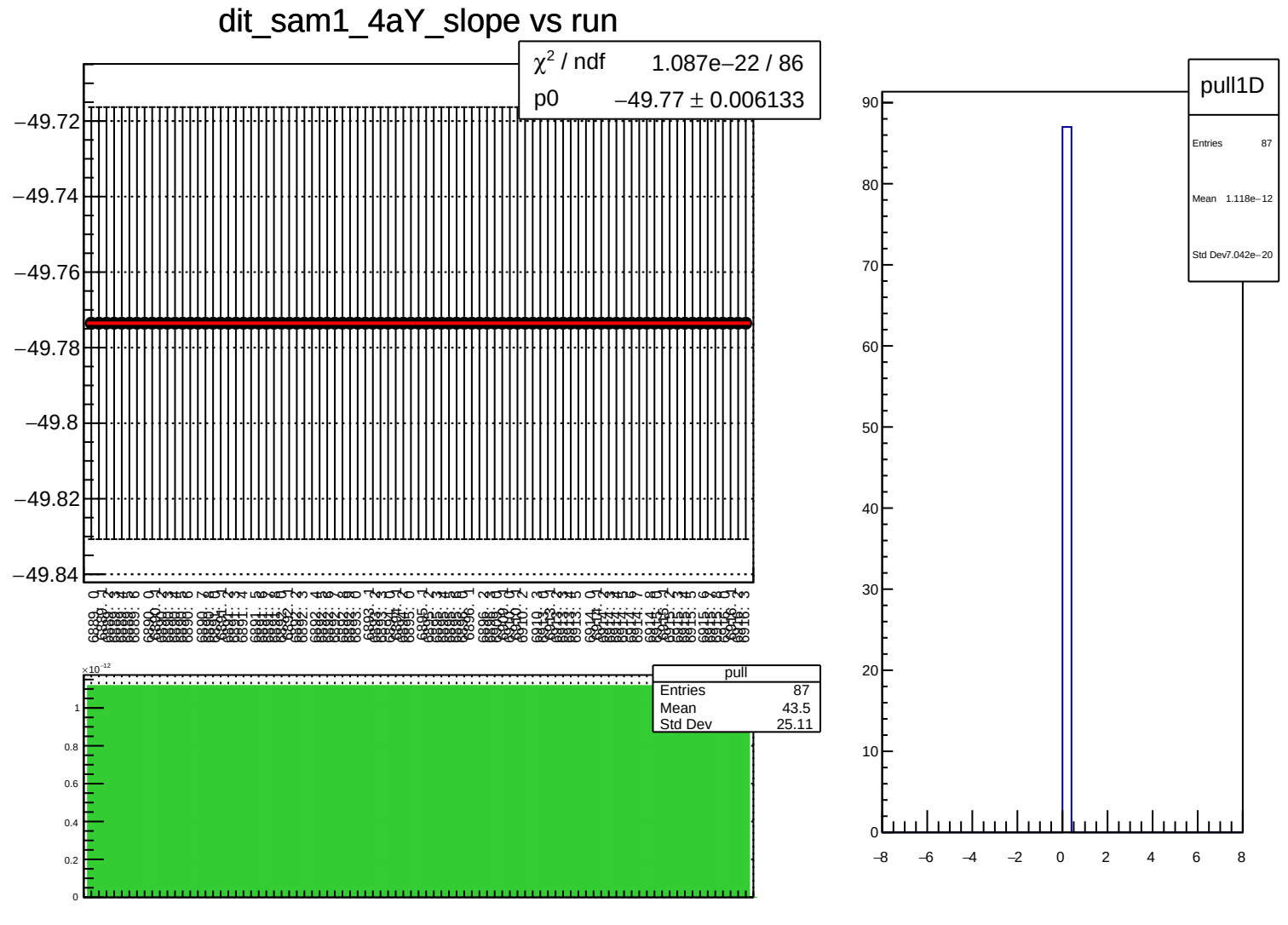

dit_atr2_4eY_slope vs run
χ^2 / ndf 2.645e−25 / 86
p0 123.1 ± 0.304
126
125
124
123
122
121
120
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.514e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

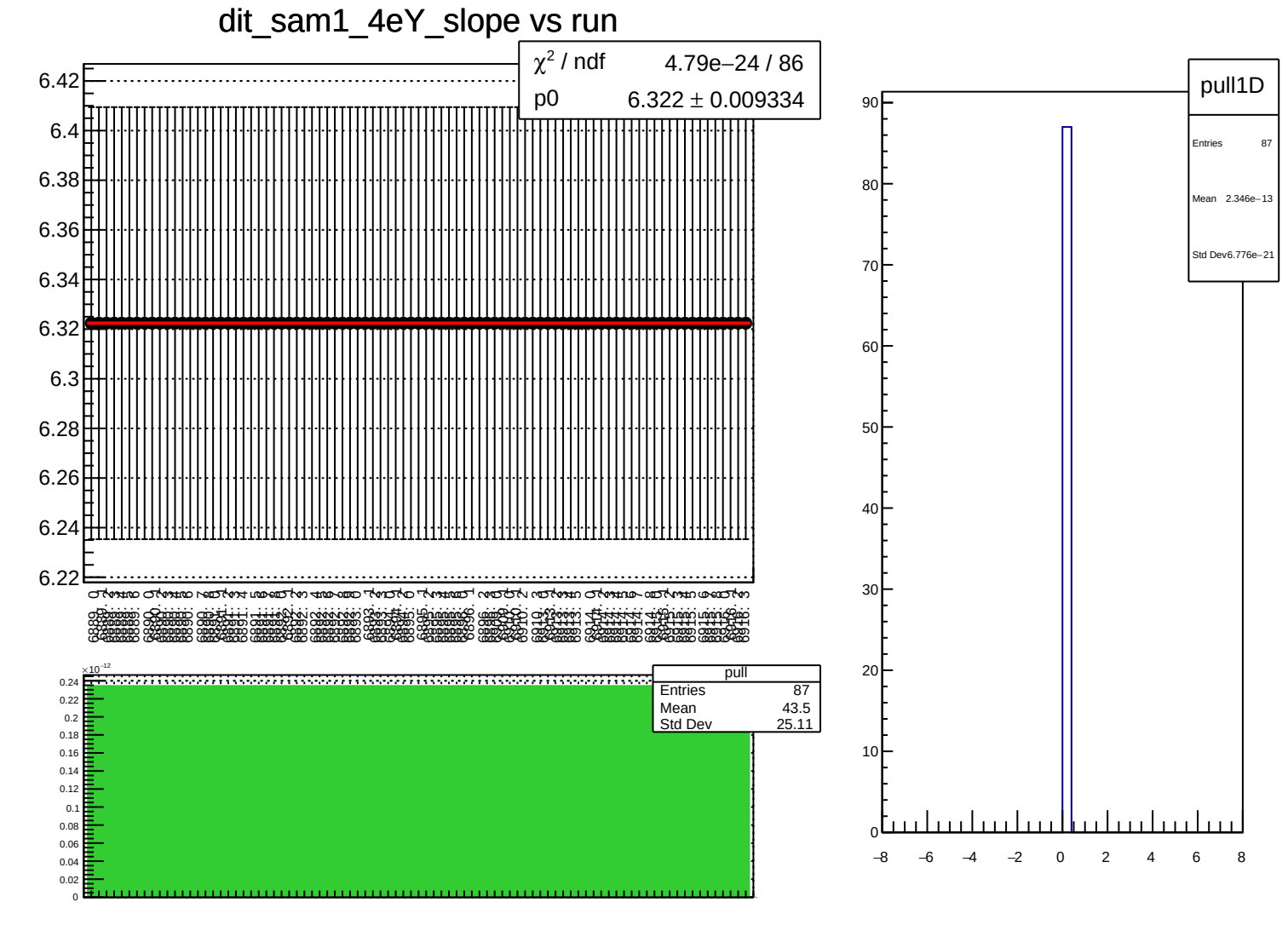

dit_sam1_4aX_slope vs run
χ^2 / ndf 1.369e−27 / 86
p0 1.78 ± 0.03
2.1
2
1.9
1.8
1.7
1.6
1.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

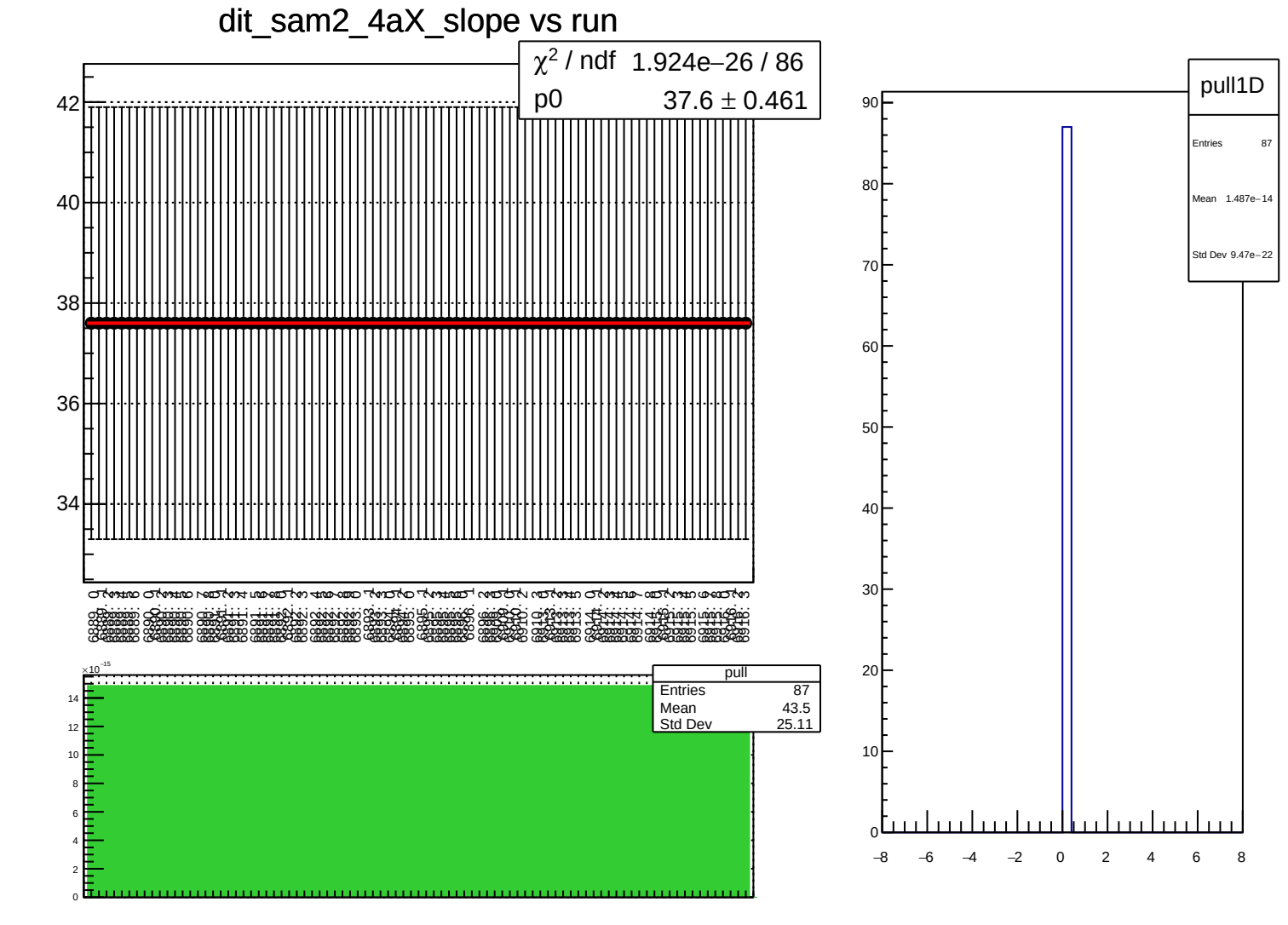

pull1D
Entries 87
Mean −3.967e−15
Std Dev7.487e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

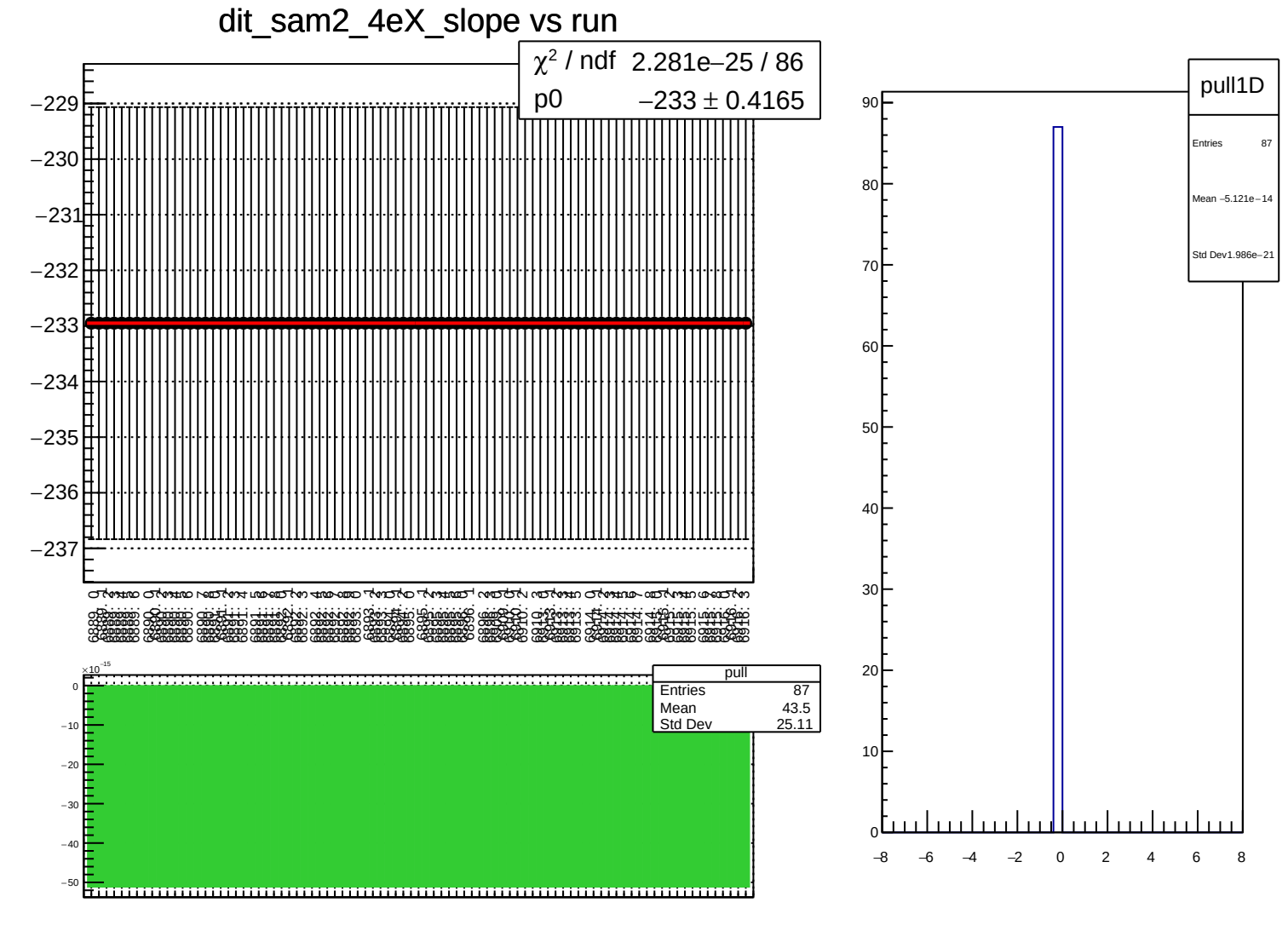

dit_sam1_4eX_slope vs run
χ² / ndf 0 / 86
p0 −15.59 ± 0.02754
−15.3
−15.4
−15.5
−15.6
−15.7
−15.8
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

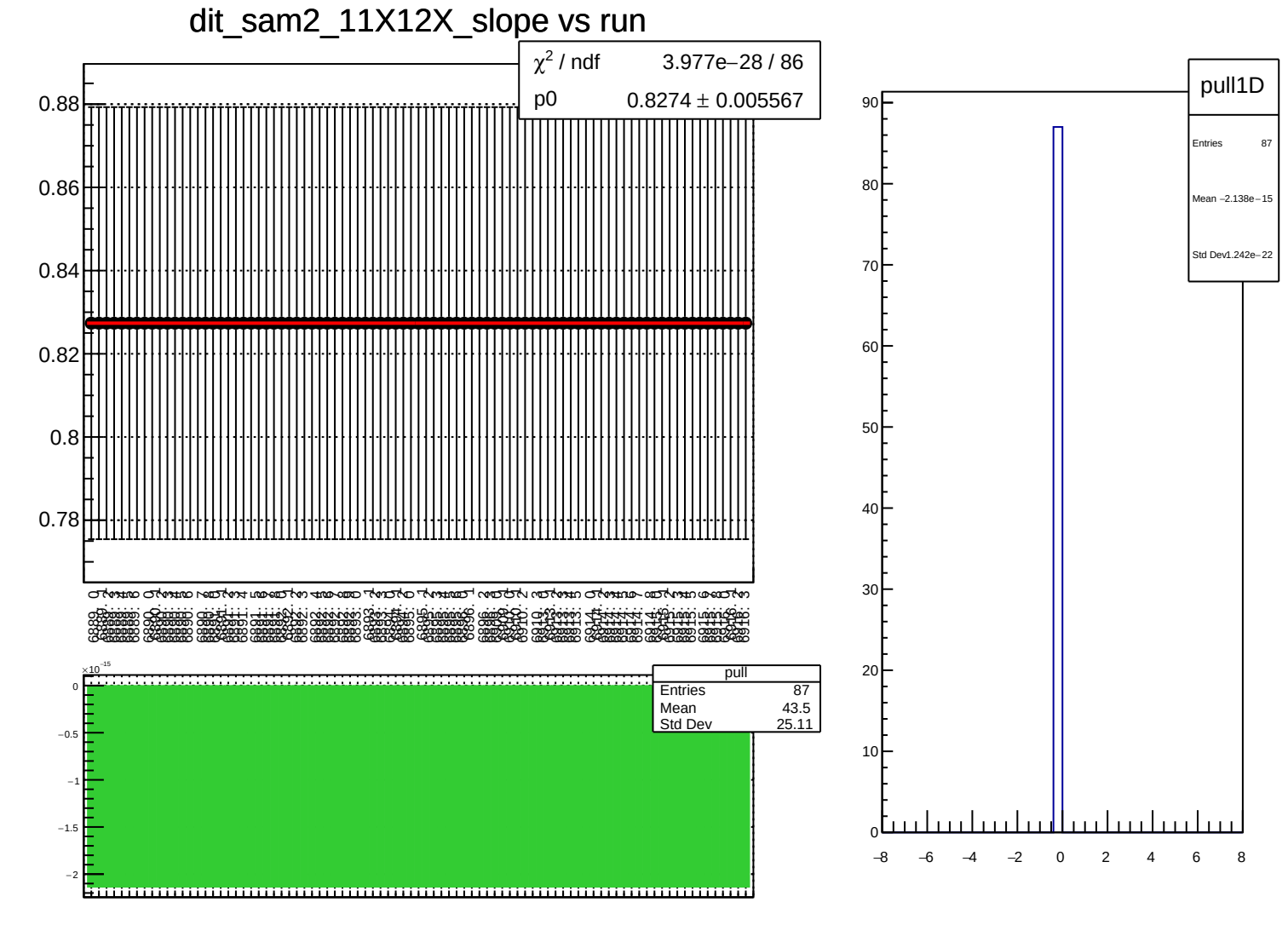

dit_sam1_11X12X_slope vs run
χ² / ndf 2.234e−26 / 86
p0 0.3068 ± 0.0007428
0.314
0.312
0.31
0.308
0.306
0.304
0.302
0.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean −1.602e−14
Std Dev 0

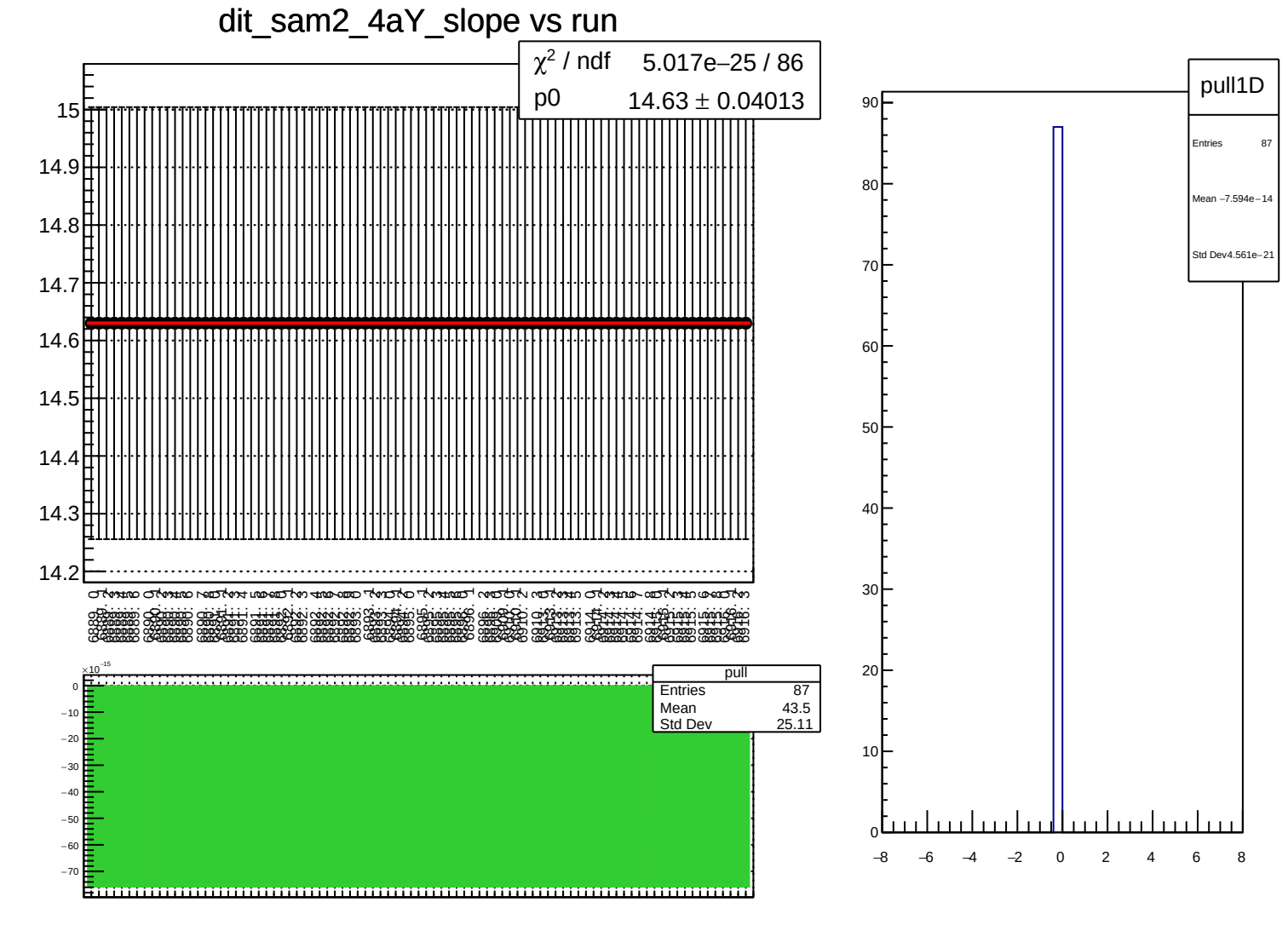

dit_sam1_4aY_slope vs run
χ² / ndf 1.087e−22 / 86
p0 −49.77 ± 0.006133
−49.72
−49.74
−49.76
−49.78
−49.8
−49.82
−49.84
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 1.118e−12
Std Dev7.042e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

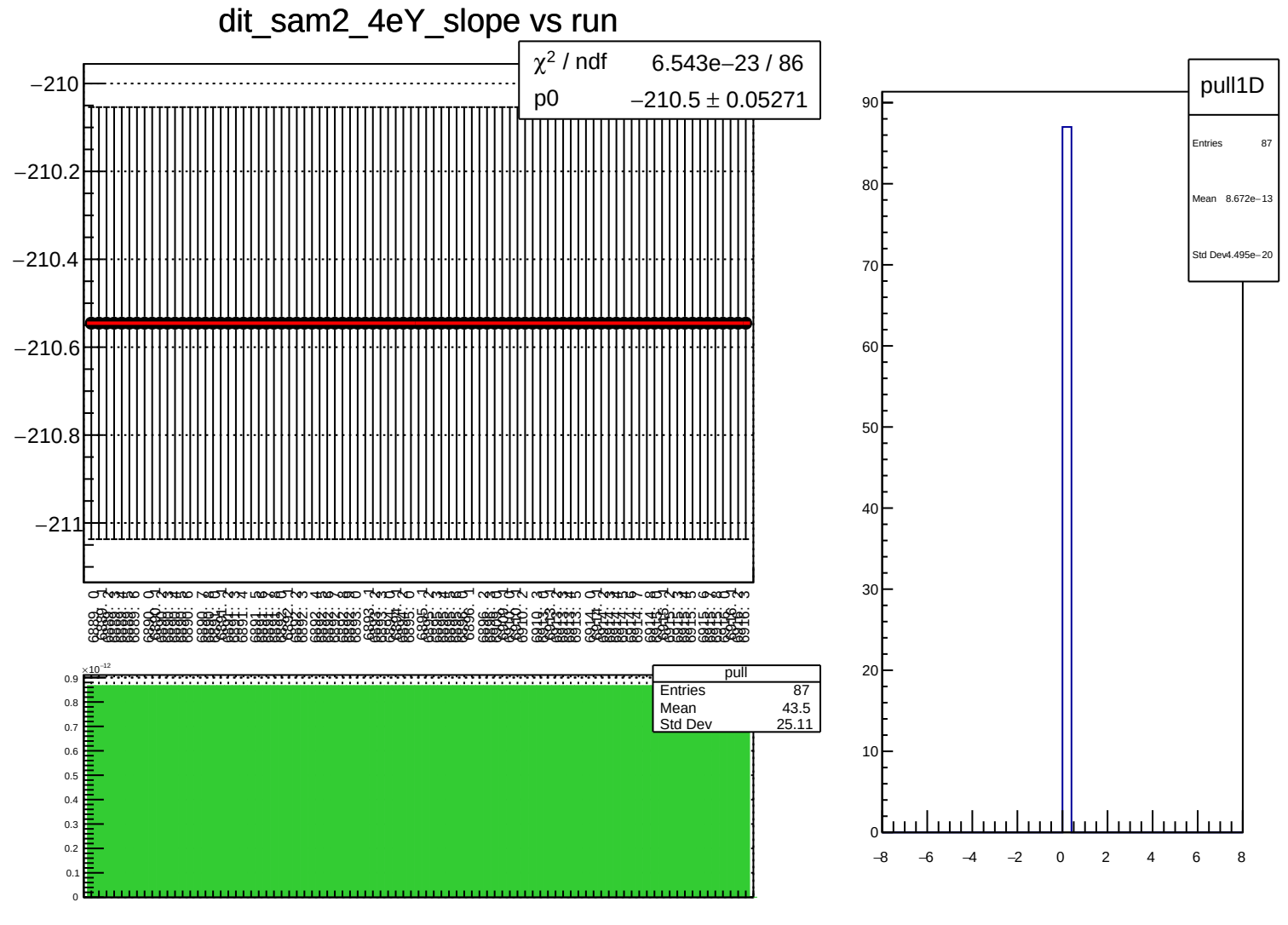

dit_sam1_4eY_slope vs run
χ² / ndf 4.79e−24 / 86
p0 6.322 ± 0.009334
6.42
6.4
6.38
6.36
6.34
6.32
6.3
6.28
6.26
6.24
6.22
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 2.346e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

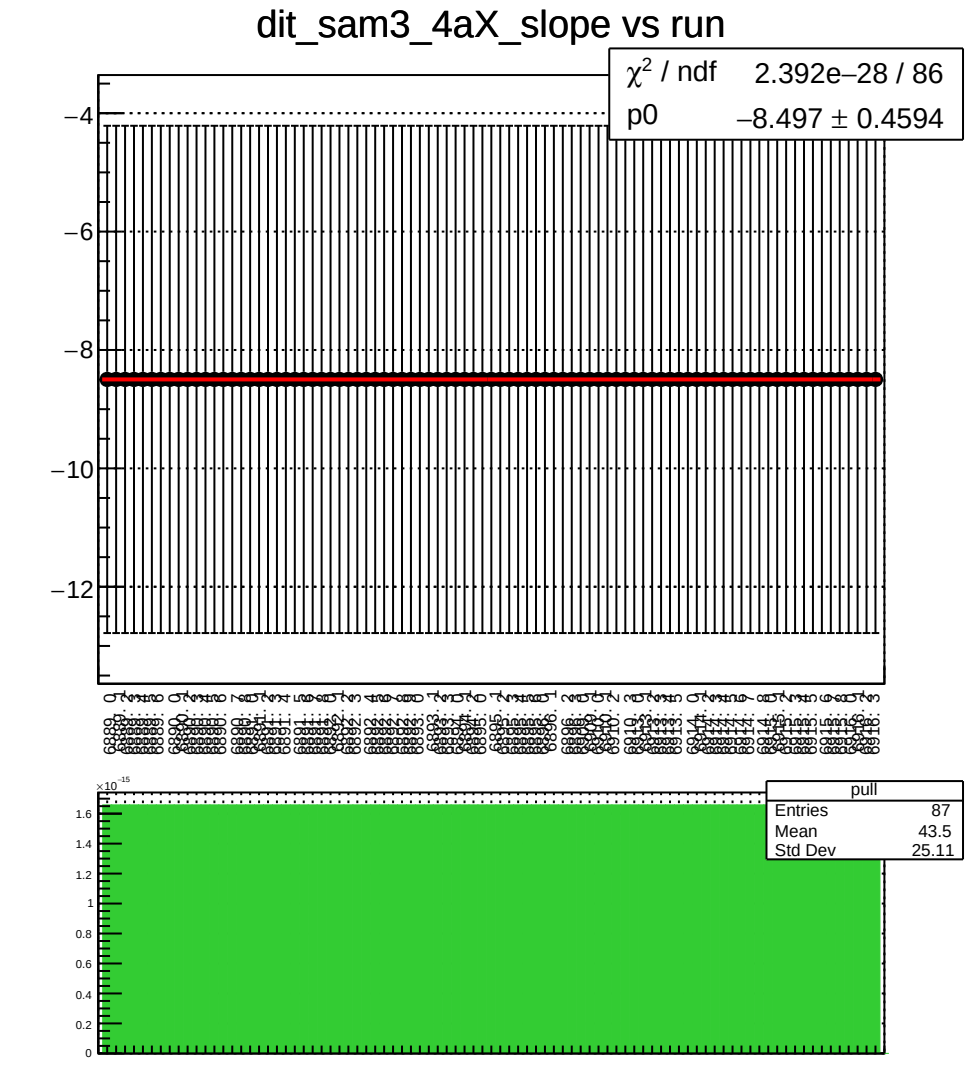

dit_sam2_4aX_slope vs run
χ² / ndf 1.924e−26 / 86
p0 37.6 ± 0.461
42
40
38
36
34
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.487e−14
Std Dev 9.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

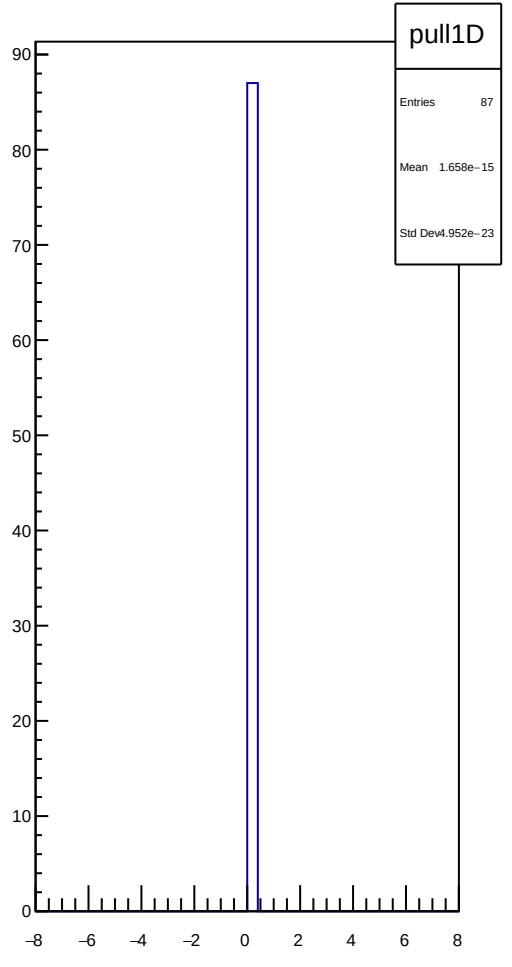

dit_sam2_4eX_slope vs run
χ² / ndf 2.281e−25 / 86
p0 −233 ± 0.4165
−229
−230
−231
−232
−233
−234
−235
−236
−237
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 87
Mean −5.121e−14
Std Dev1.986e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

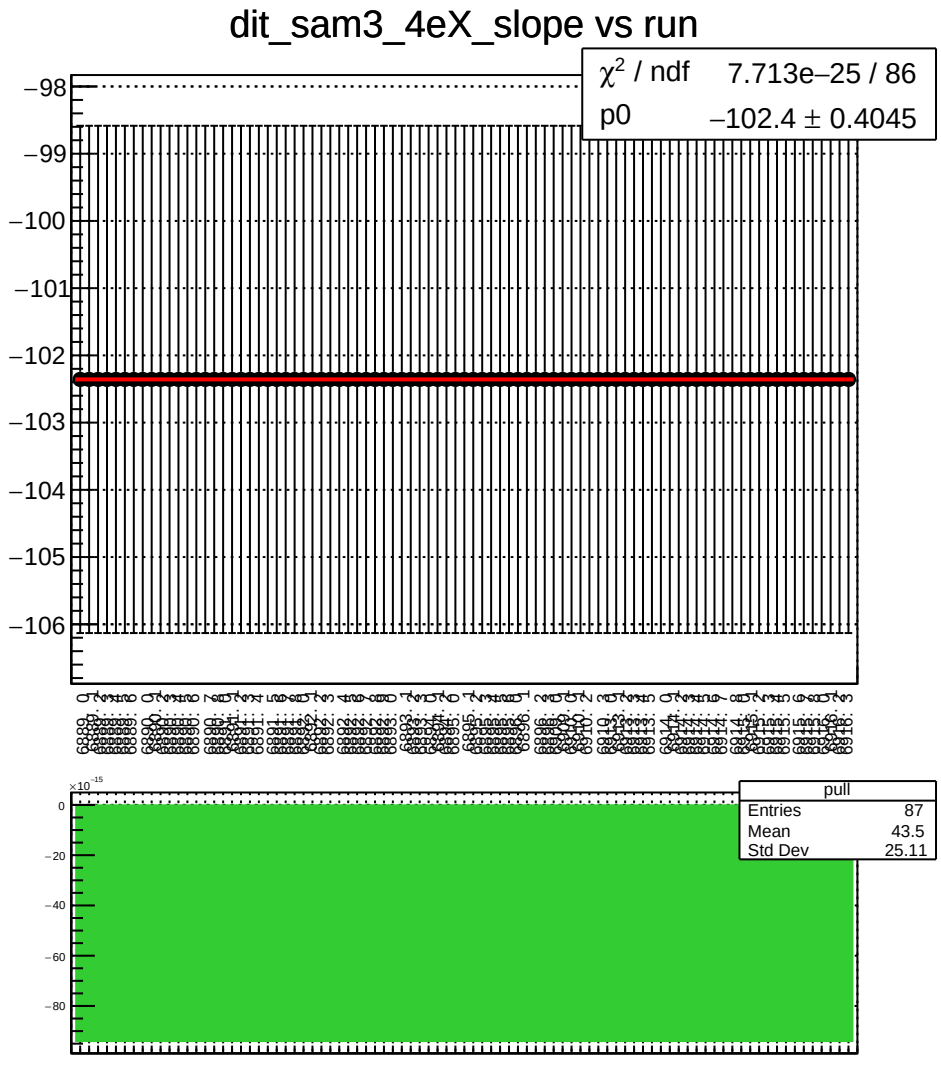

dit_sam2_11X12X_slope vs run
χ² / ndf 3.977e−28 / 86
p0 0.8274 ± 0.005567
0.88
0.86
0.84
0.82
0.8
0.78
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −2.138e−15
Std Dev1.242e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

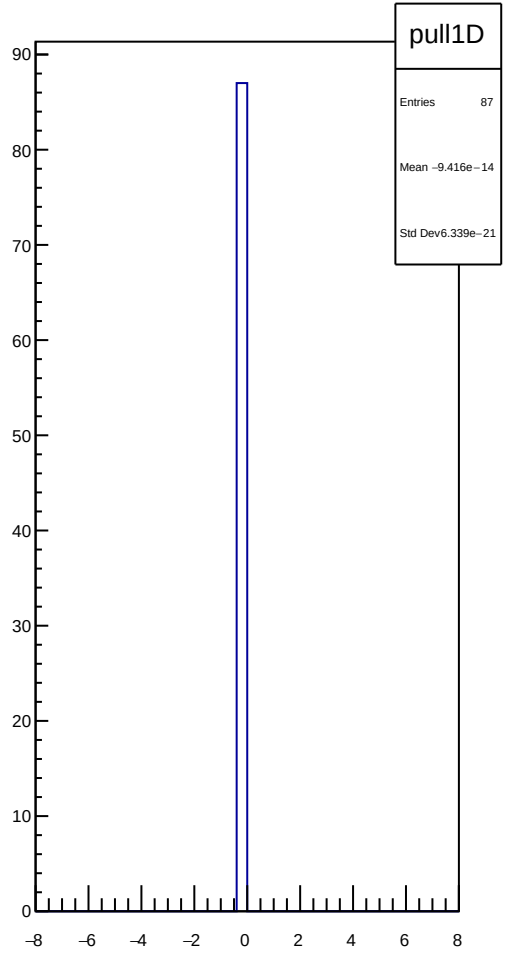

dit_sam2_4aY_slope vs run
χ² / ndf 5.017e−25 / 86
p0 14.63 ± 0.04013
15
14.9
14.8
14.7
14.6
14.5
14.4
14.3
14.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 87
Mean −7.594e−14
Std Dev4.561e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

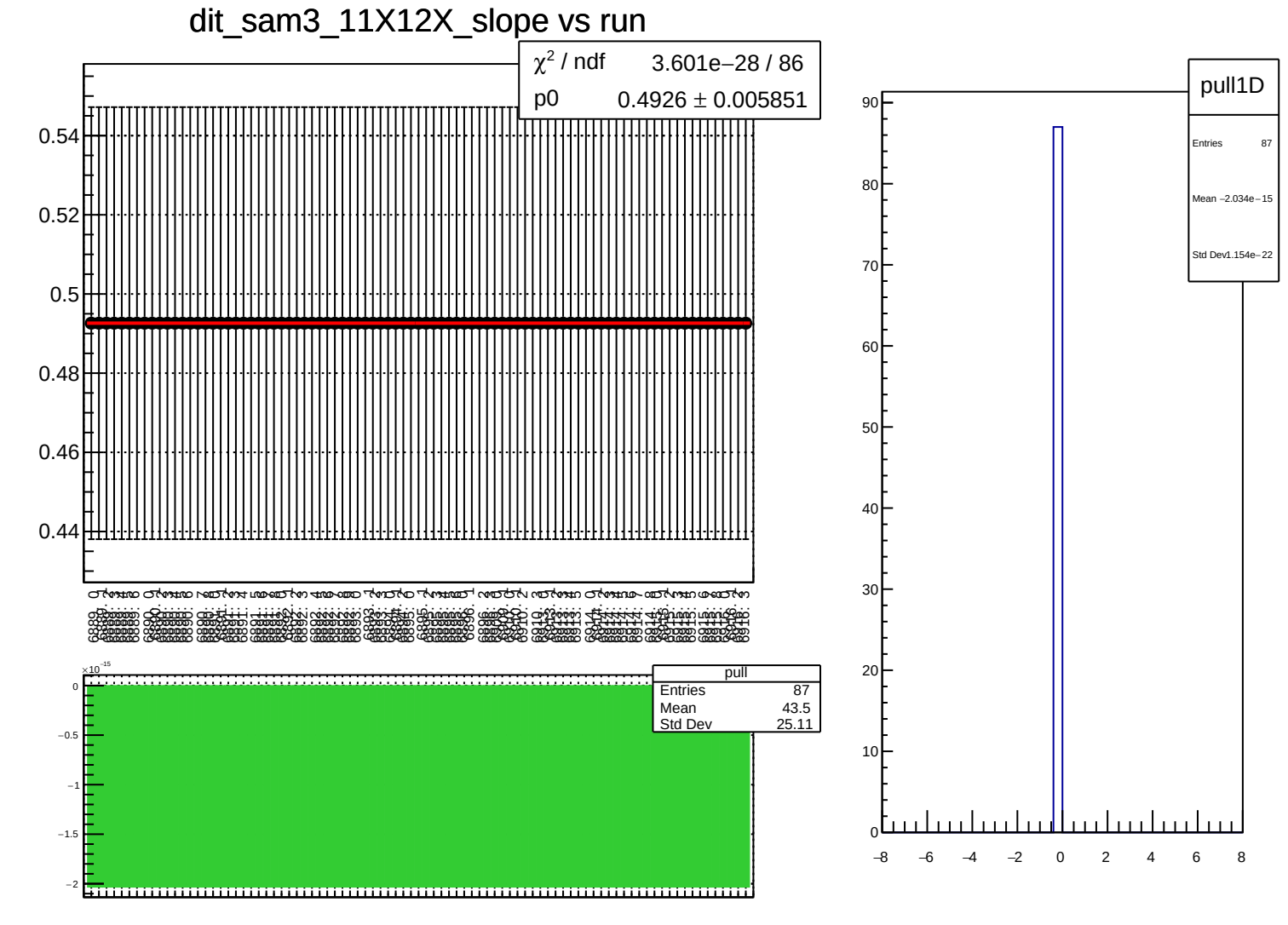

dit_sam2_4eY_slope vs run
χ² / ndf 6.543e−23 / 86
p0 −210.5 ± 0.05271
−210
−210.2
−210.4
−210.6
−210.8
−211
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
pull1D
Entries 87
Mean 8.672e−13
Std Dev4.495e−20

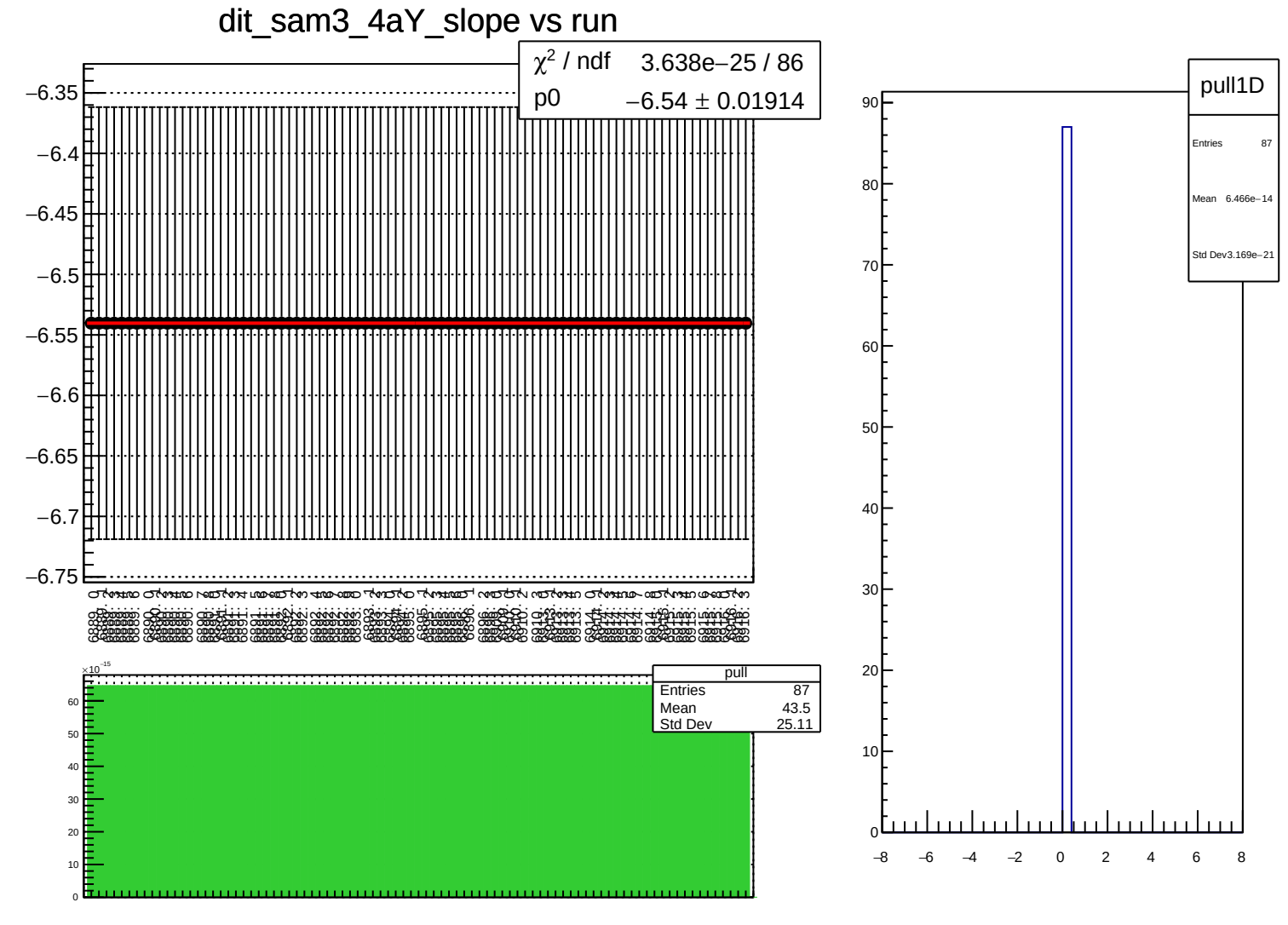

dit_sam3_4aX_slope vs run
χ² / ndf 2.392e−28 / 86
p0 −8.497 ± 0.4594
−4
−6
−8
−10
−12
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 87
Mean 43.5
Std Dev 25.11

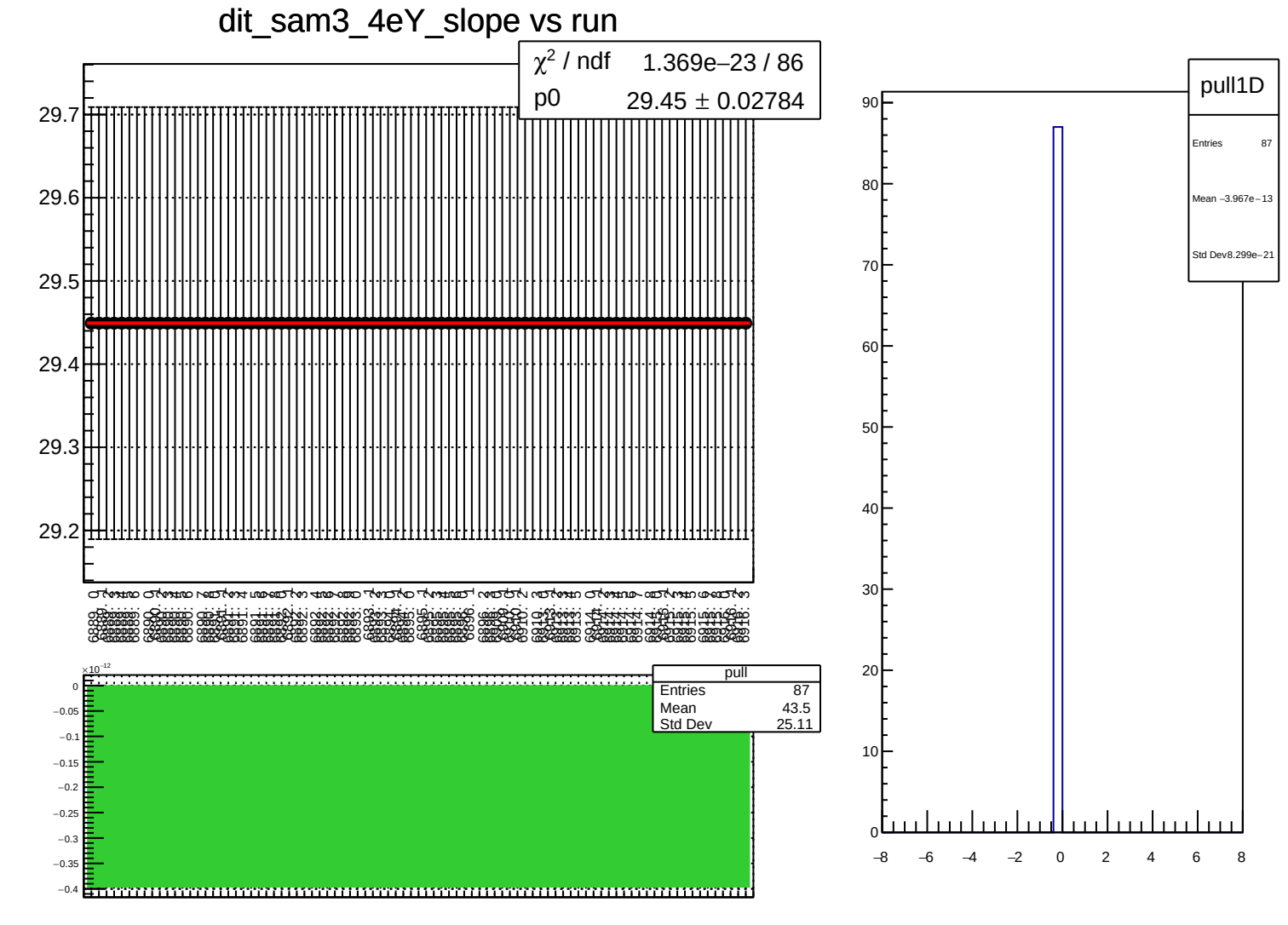

pull1D
Entries 87
Mean 1.658e−15
Std Dev 4.952e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

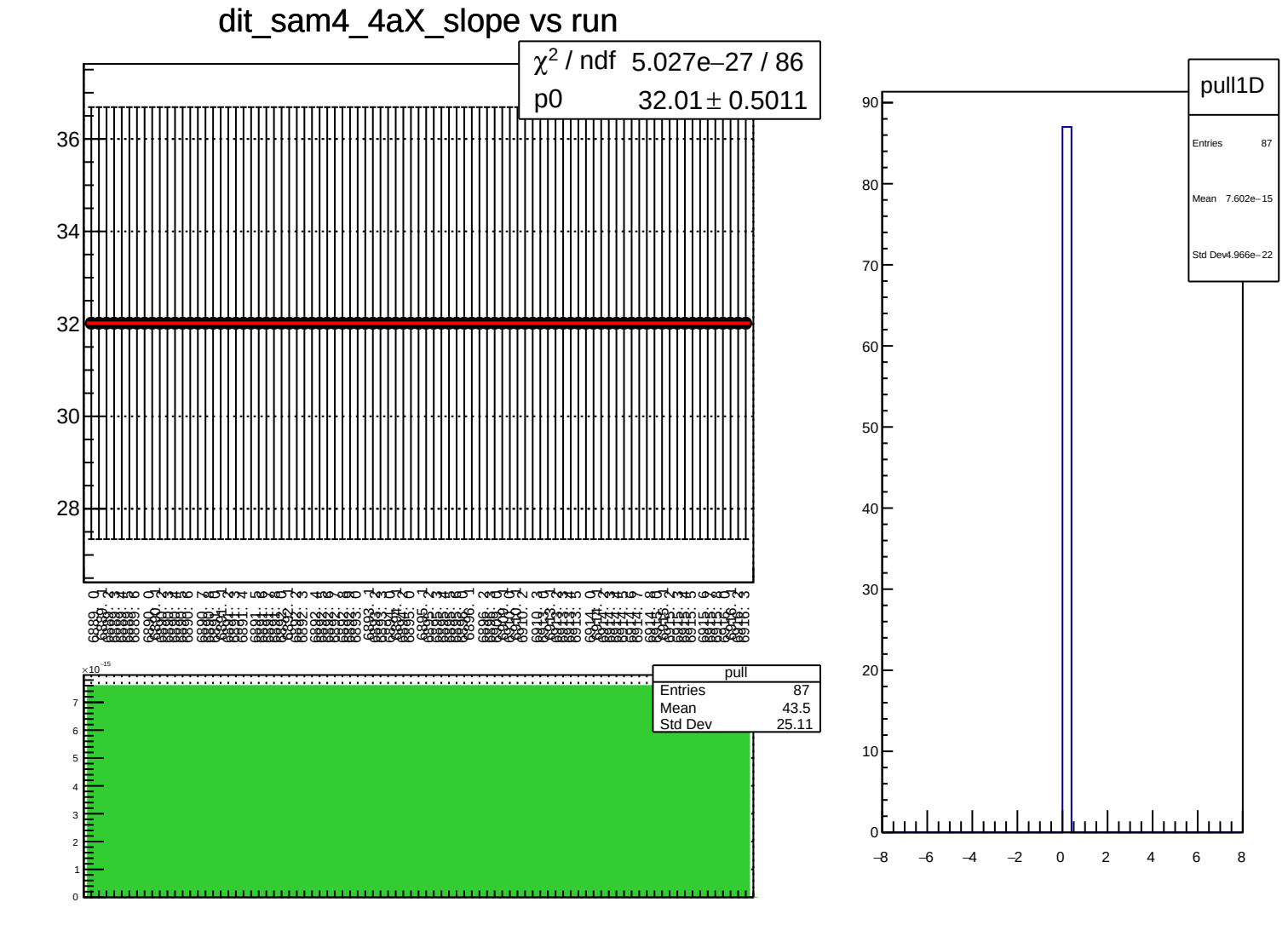

dit_sam3_4eX_slope vs run
χ² / ndf 7.713e−25 / 86
p0 −102.4 ± 0.4045
−98
−99
−100
−101
−102
−103
−104
−105
−106
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−20
−40
−60
−80

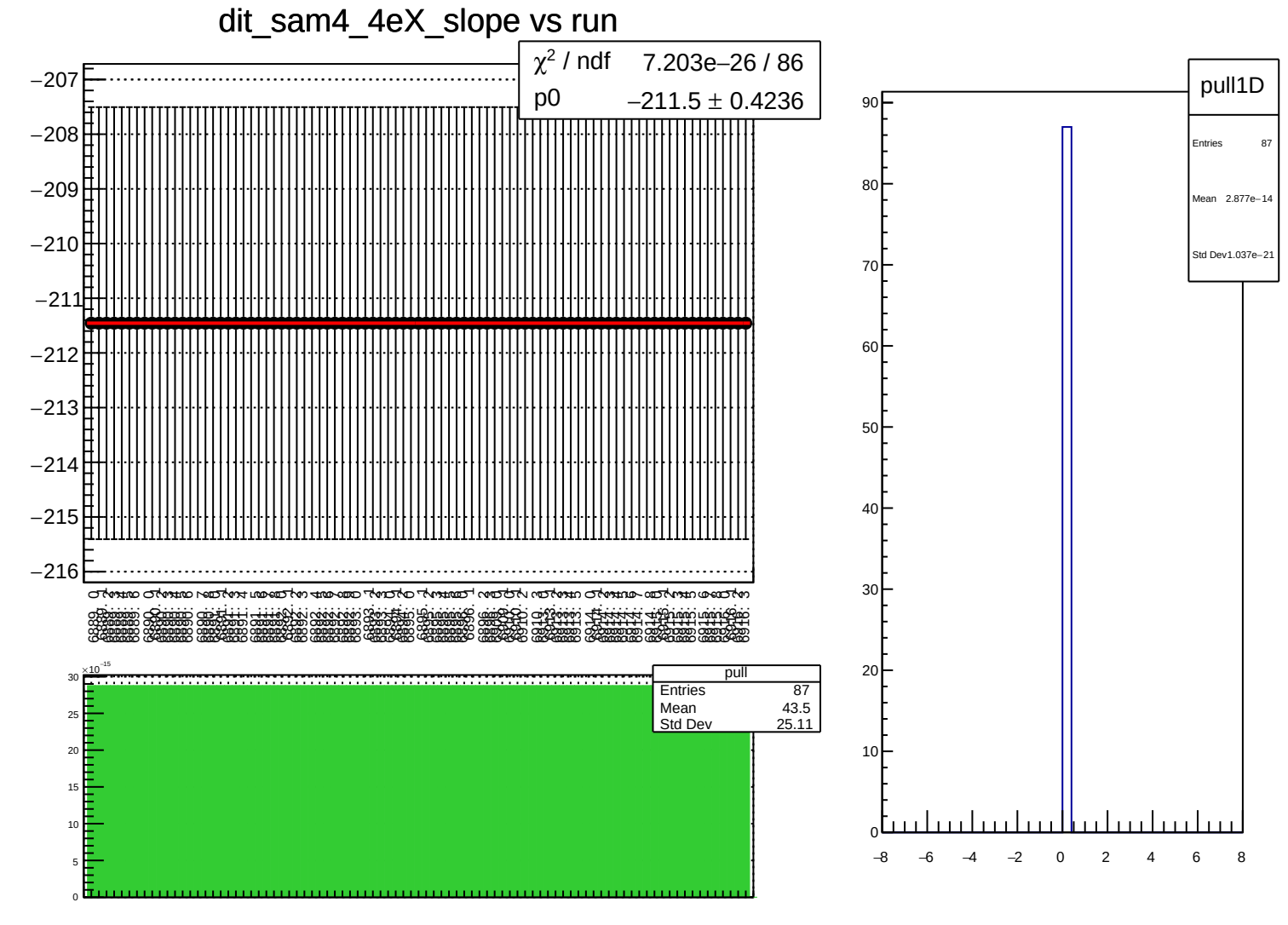

pull1D
Entries 87
Mean −9.416e−14
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

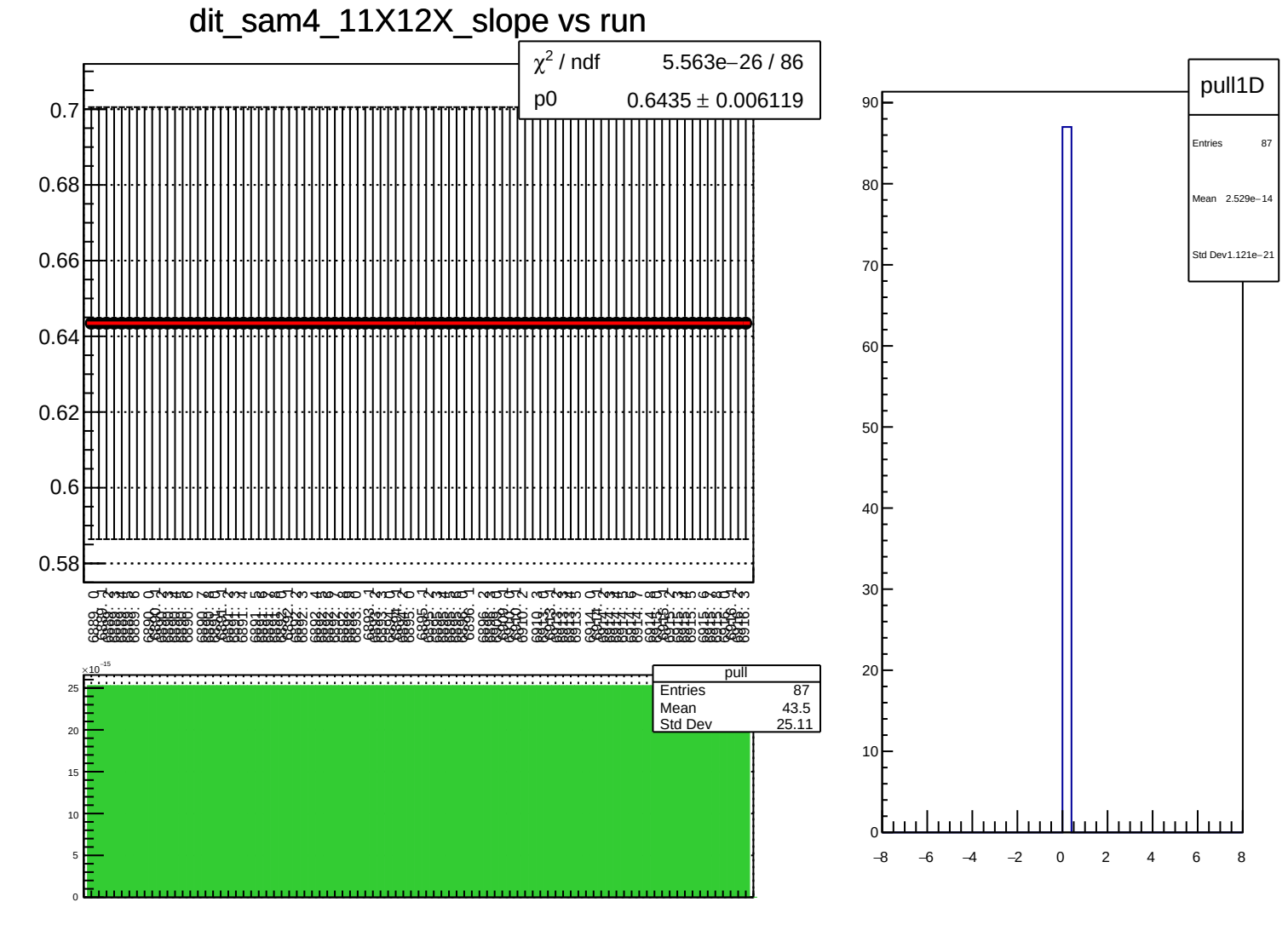

dit_sam3_11X12X_slope vs run
χ² / ndf 3.601e−28 / 86
p0 0.4926 ± 0.005851
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −2.034e−15
Std Dev1.154e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

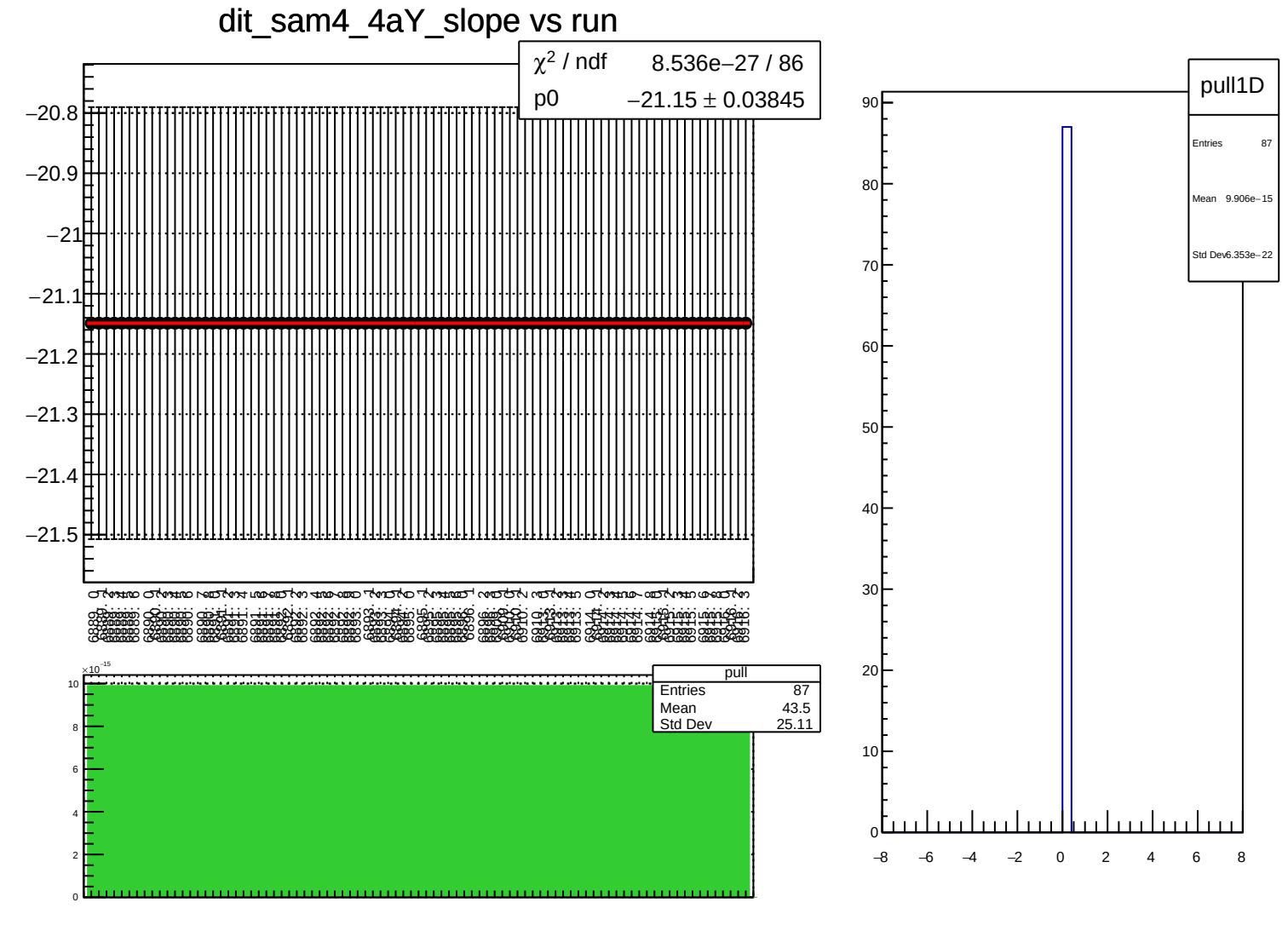

dit_sam3_4aY_slope vs run
χ² / ndf 3.638e−25 / 86
p0 −6.54 ± 0.01914
−6.35
−6.4
−6.45
−6.5
−6.55
−6.6
−6.65
−6.7
−6.75
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 87
Mean 6.466e−14
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

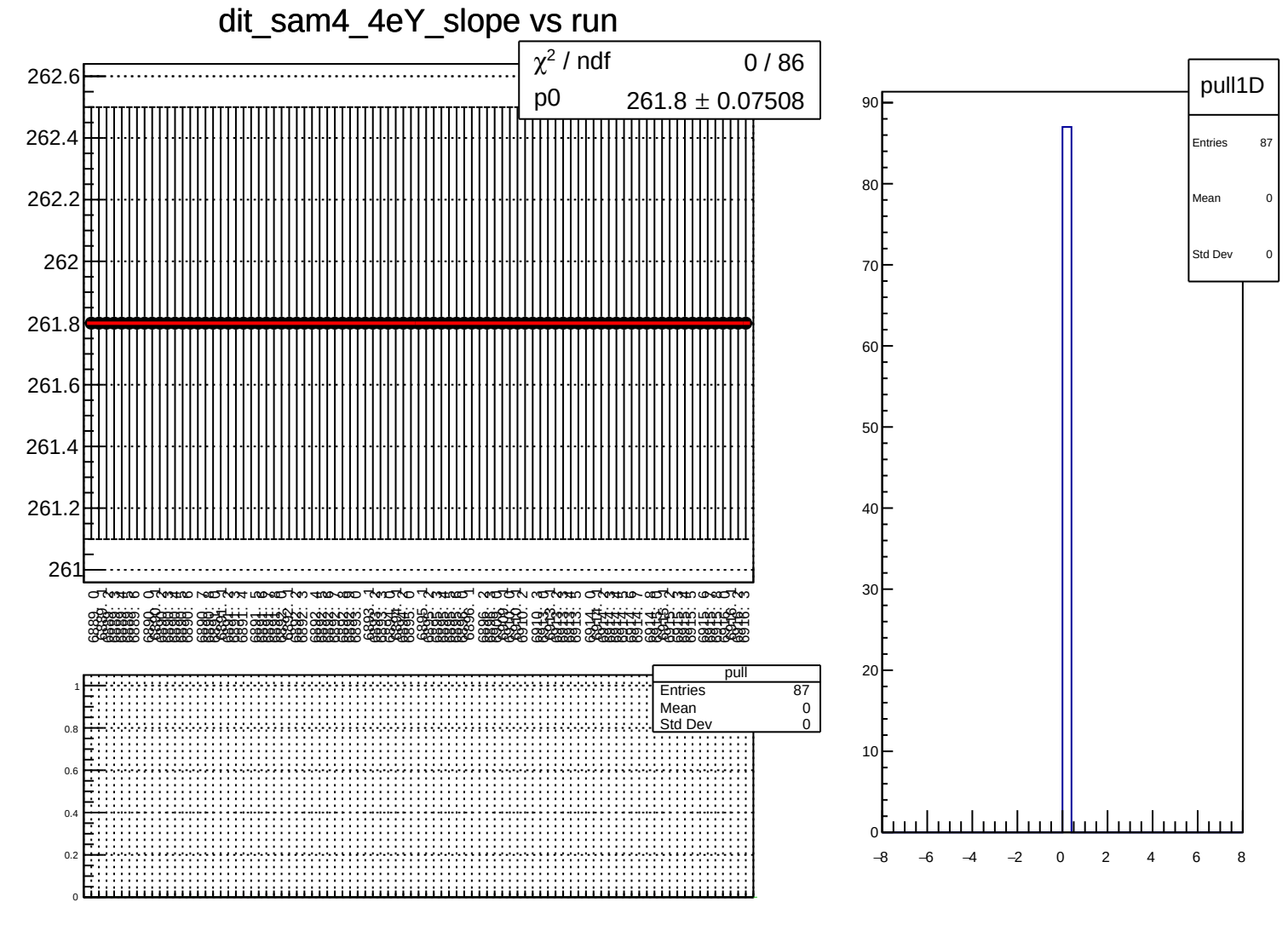

dit_sam3_4eY_slope vs run
χ² / ndf 1.369e−23 / 86
p0 29.45 ± 0.02784
29.7
29.6
29.5
29.4
29.3
29.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 87
Mean −3.967e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

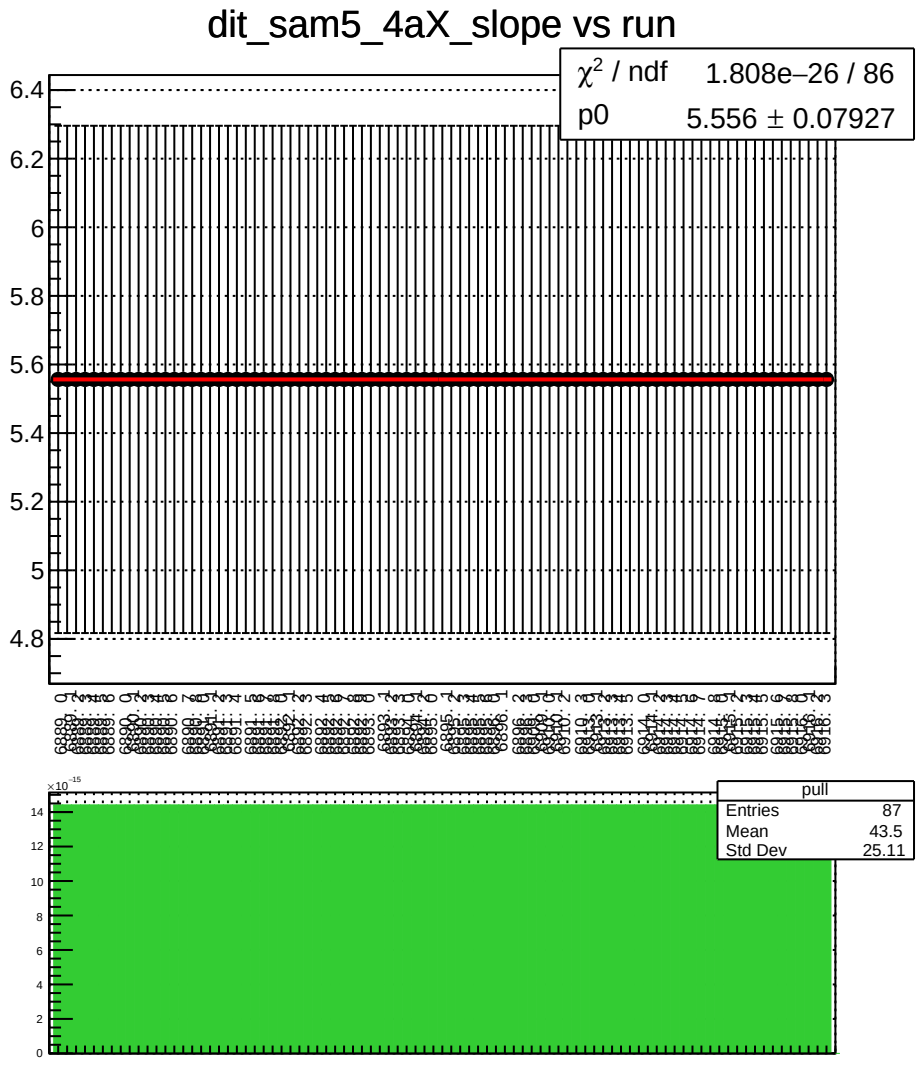

dit_sam4_4aX_slope vs run
χ² / ndf 5.027e−27 / 86
p0 32.01 ± 0.5011
36
34
32
30
28
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull1D
Entries 87
Mean 7.602e−15
Std Dev 4.966e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

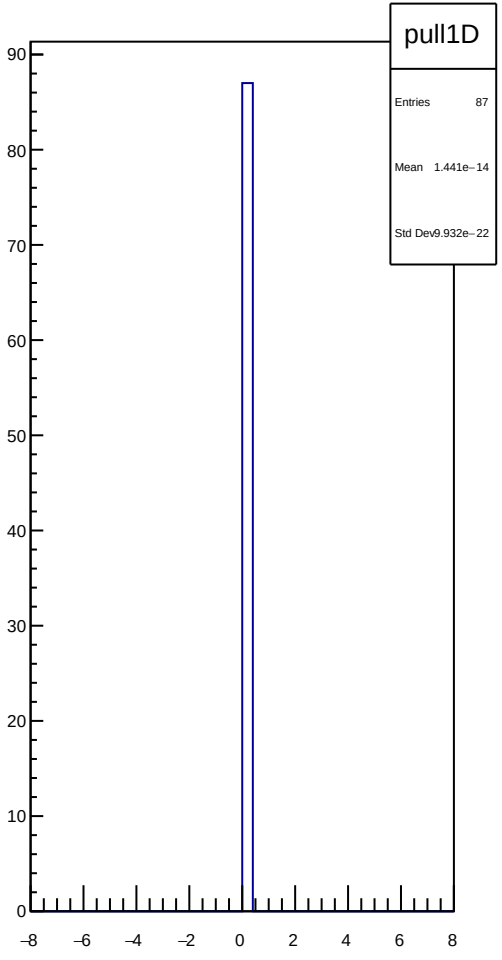

dit_sam4_4eX_slope vs run
χ² / ndf 7.203e−26 / 86
p0 −211.5 ± 0.4236
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 2.877e−14
Std Dev1.037e−21

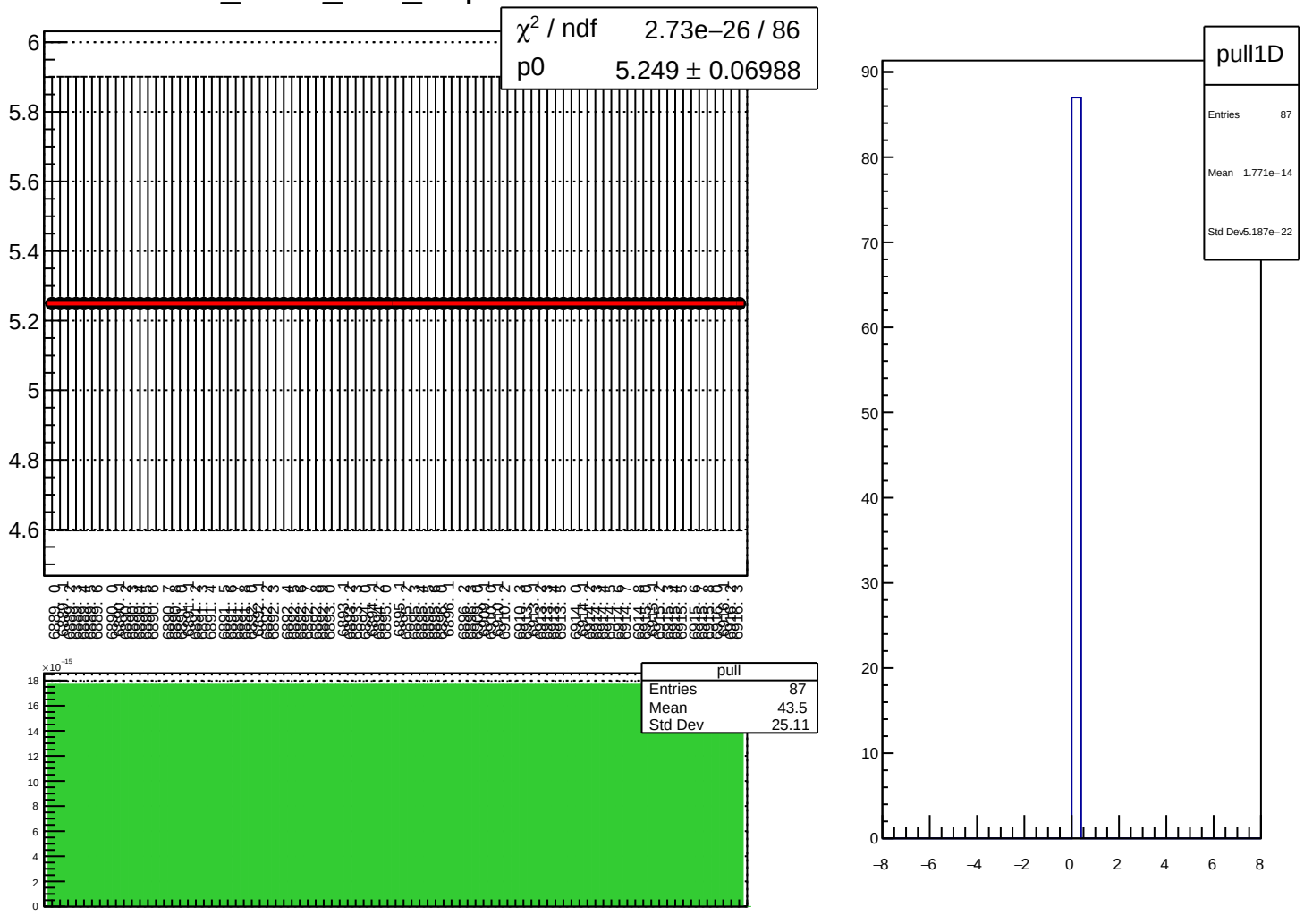

dit_sam4_11X12X_slope vs run
χ² / ndf 5.563e−26 / 86
p0 0.6435 ± 0.006119
0.7
0.68
0.66
0.64
0.62
0.6
0.58
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 87
Mean 2.529e−14
Std Dev 1.121e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

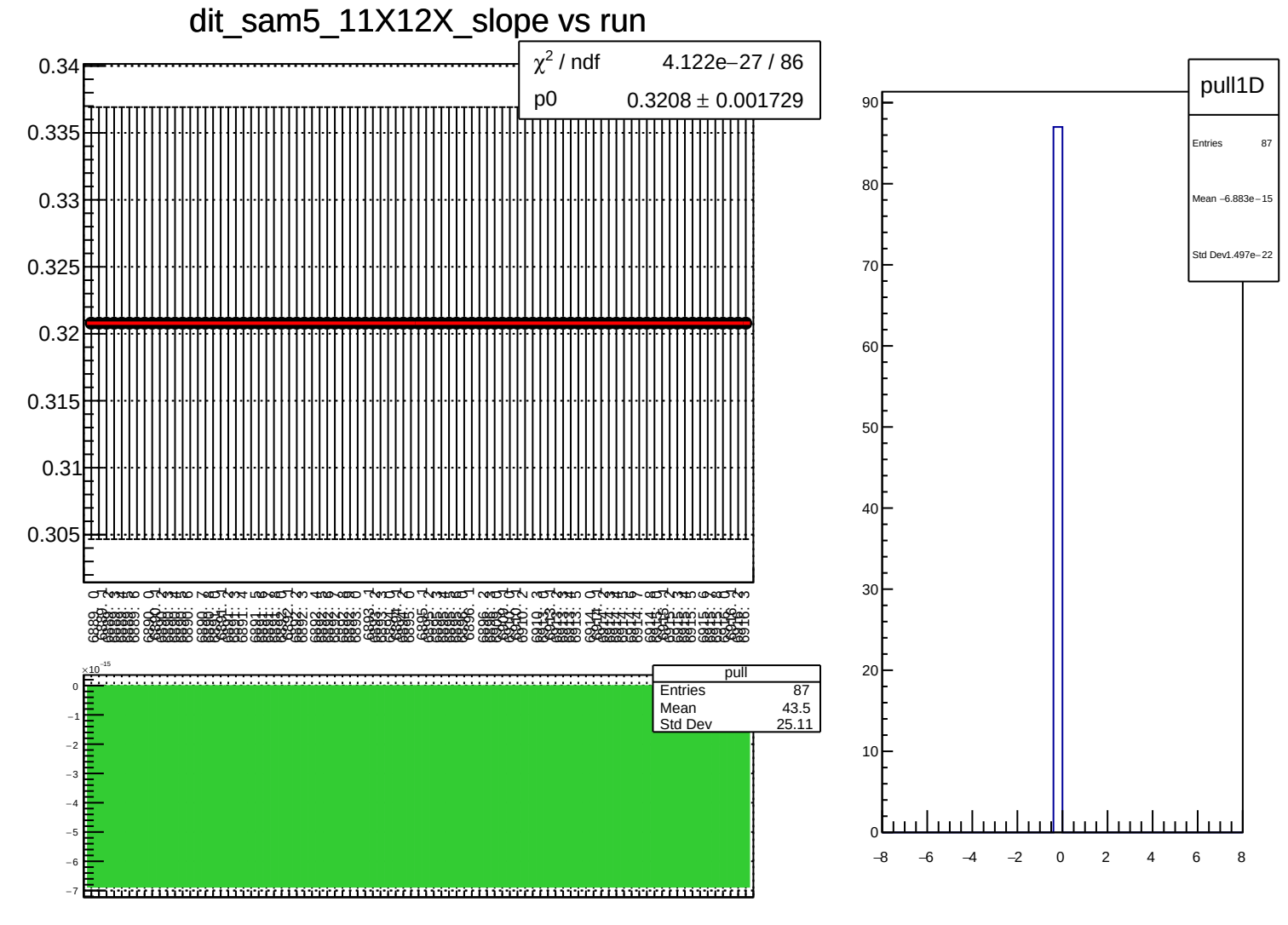

dit_sam4_4aY_slope vs run
χ² / ndf 8.536e−27 / 86
p0 −21.15 ± 0.03845
−20.8
−20.9
−21
−21.1
−21.2
−21.3
−21.4
−21.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 87
Mean 9.906e−15
Std Dev 6.353e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

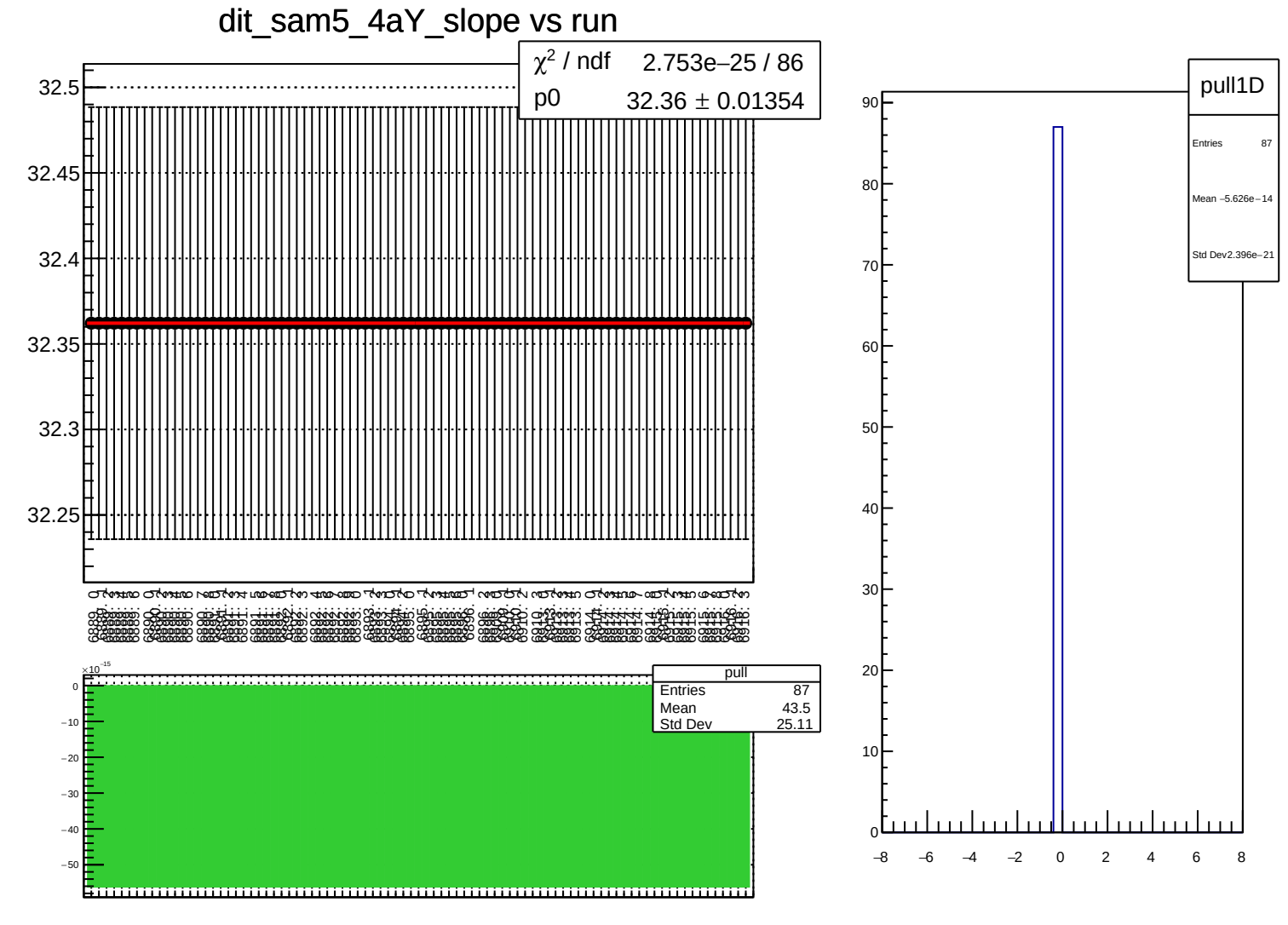

dit_sam4_4eY_slope vs run
χ² / ndf 0 / 86
p0 261.8 ± 0.07508
262.6
262.4
262.2
262
261.8
261.6
261.4
261.2
261
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

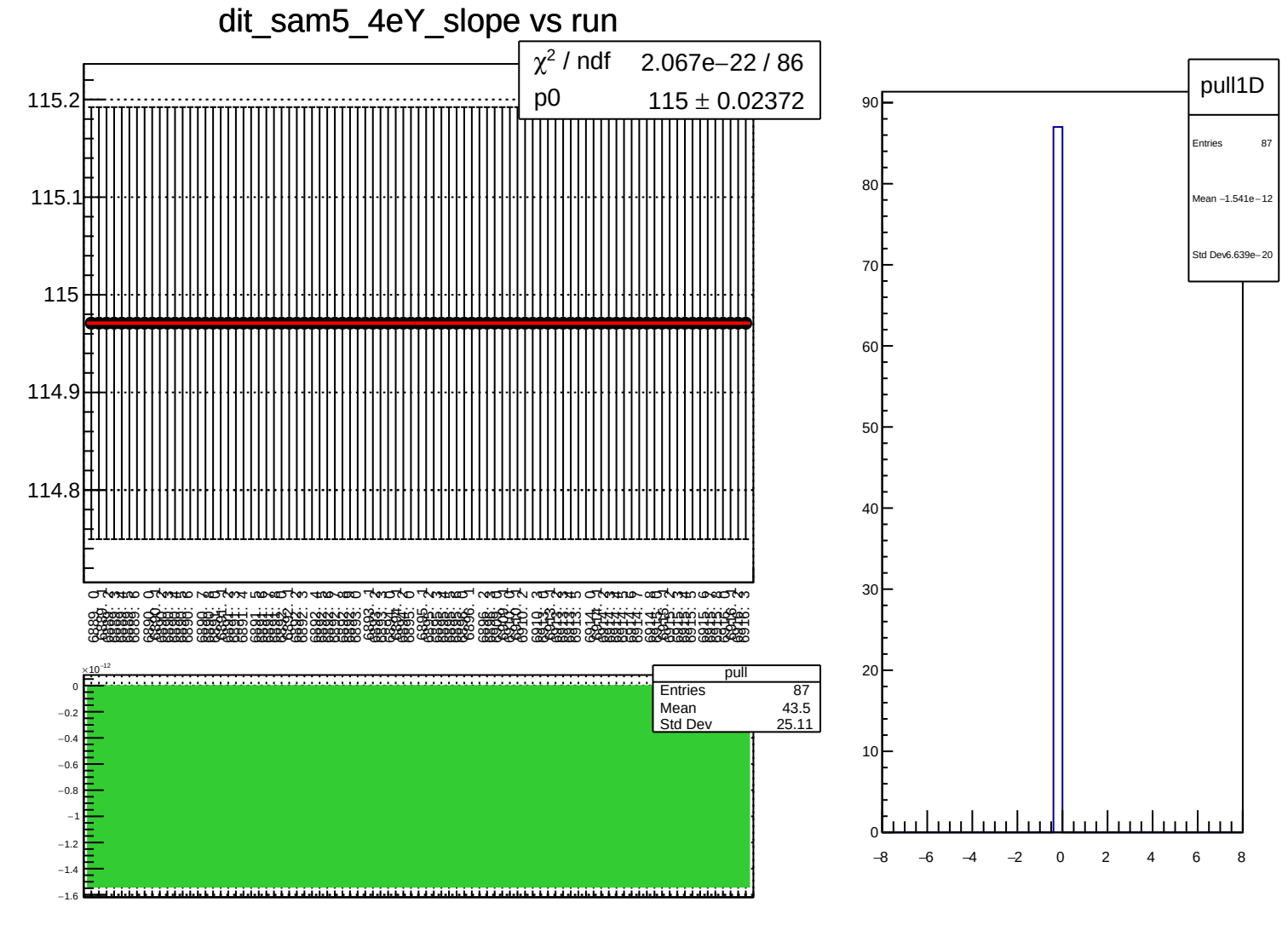

dit_sam5_4aX_slope vs run
χ² / ndf 1.808e−26 / 86
p0 5.556 ± 0.07927
pull
Entries 87
Mean 43.5
Std Dev 25.11

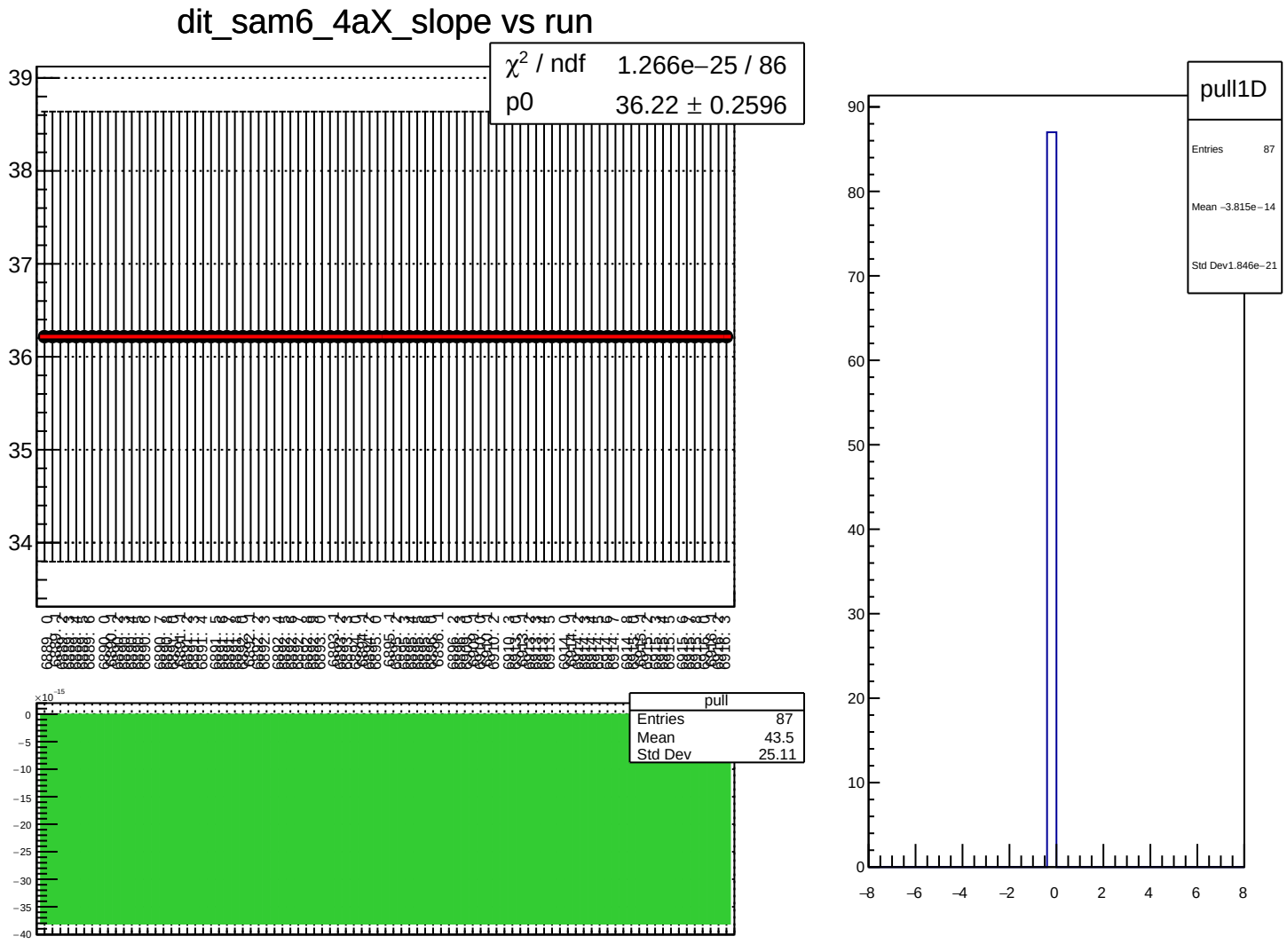

pull1D
Entries 87
Mean 1.441e−14
Std Dev 9.932e−22

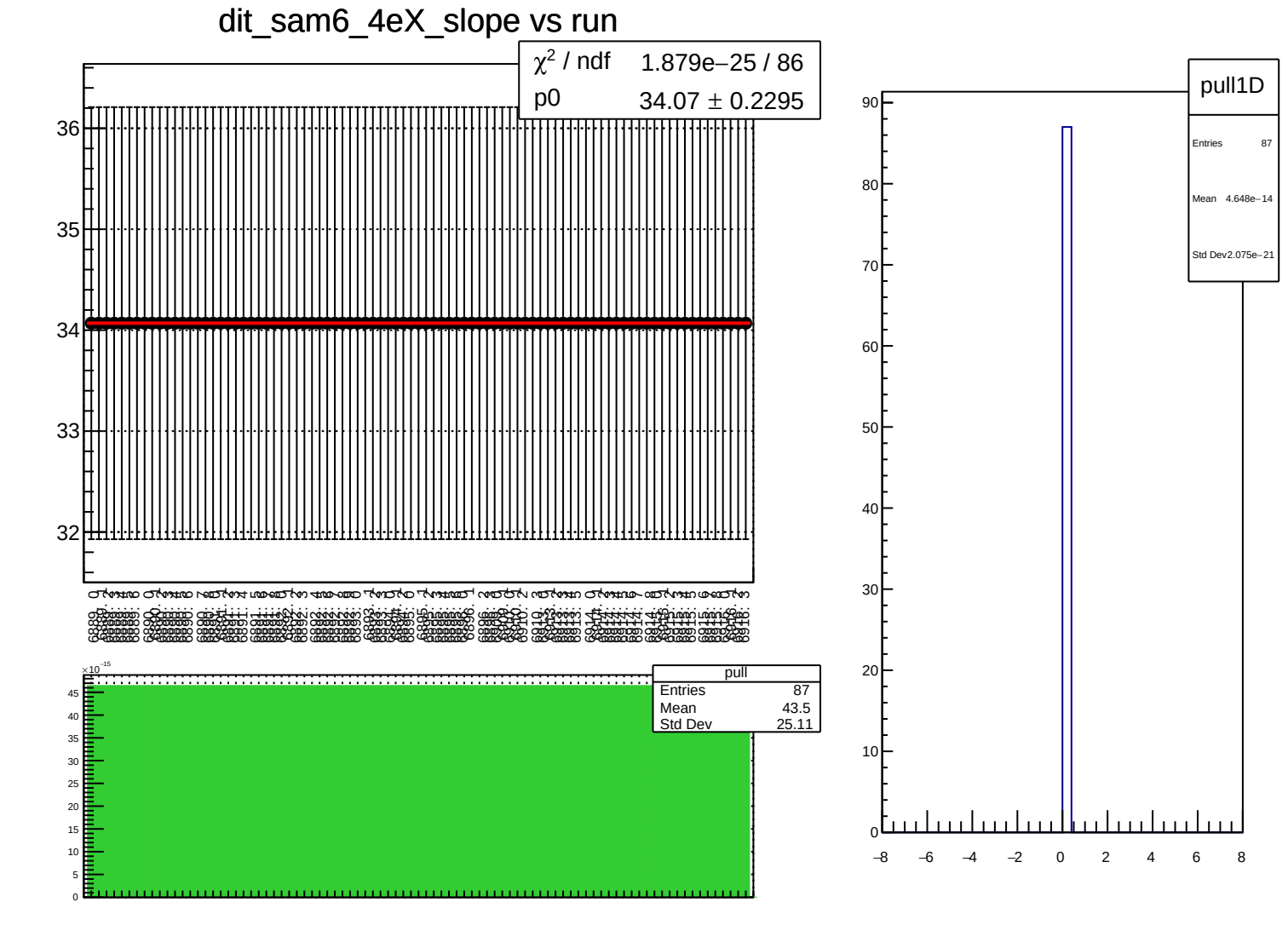

dit_sam5_4eX_slope vs run
χ² / ndf 2.73e−26 / 86
p0 5.249 ± 0.06988
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 1.771e−14
Std Dev5.187e−22

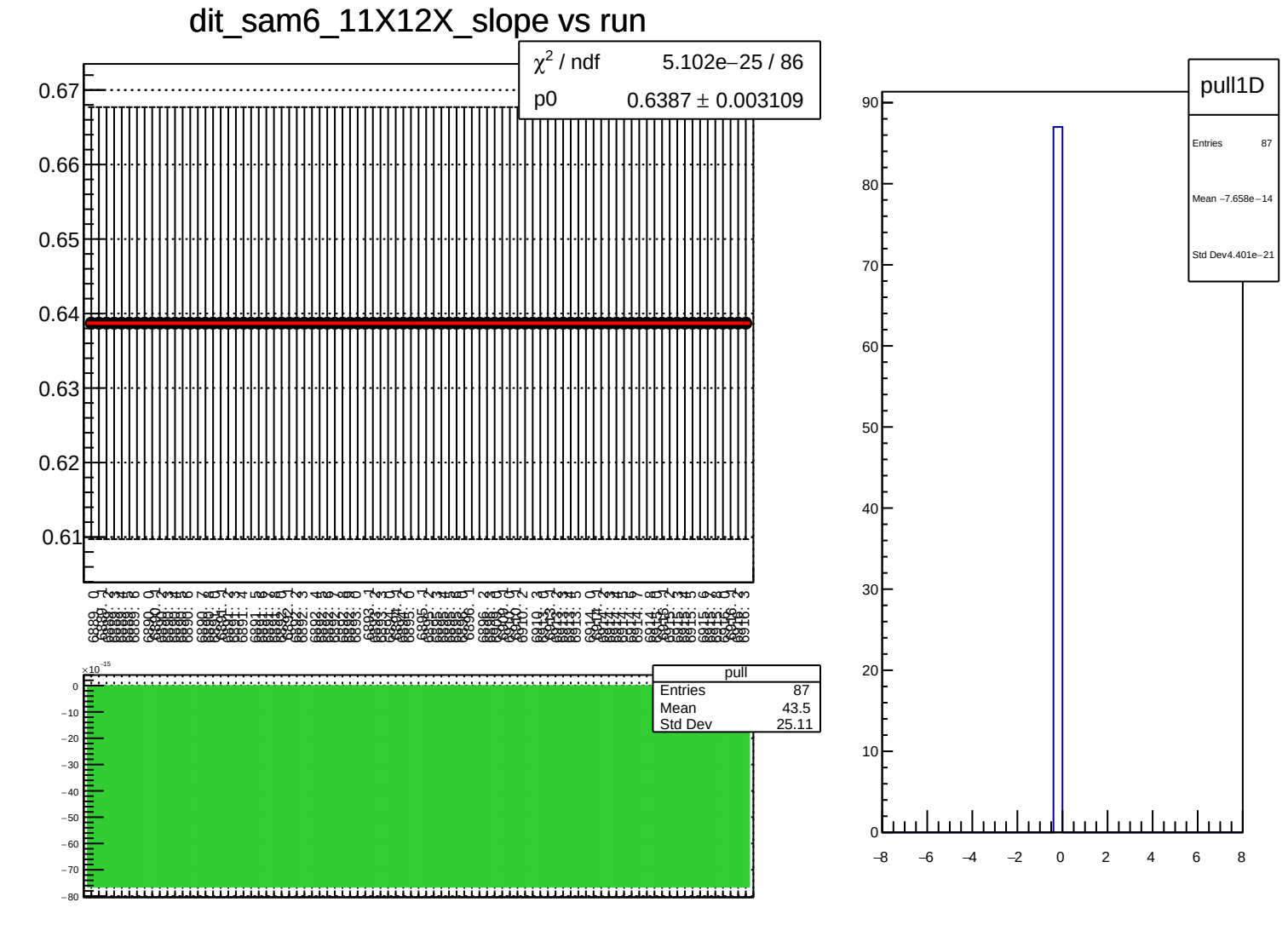

dit_sam5_11X12X_slope vs run
χ² / ndf 4.122e−27 / 86
p0 0.3208 ± 0.001729
0.34
0.335
0.33
0.325
0.32
0.315
0.31
0.305
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 87
Mean −6.883e−15
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

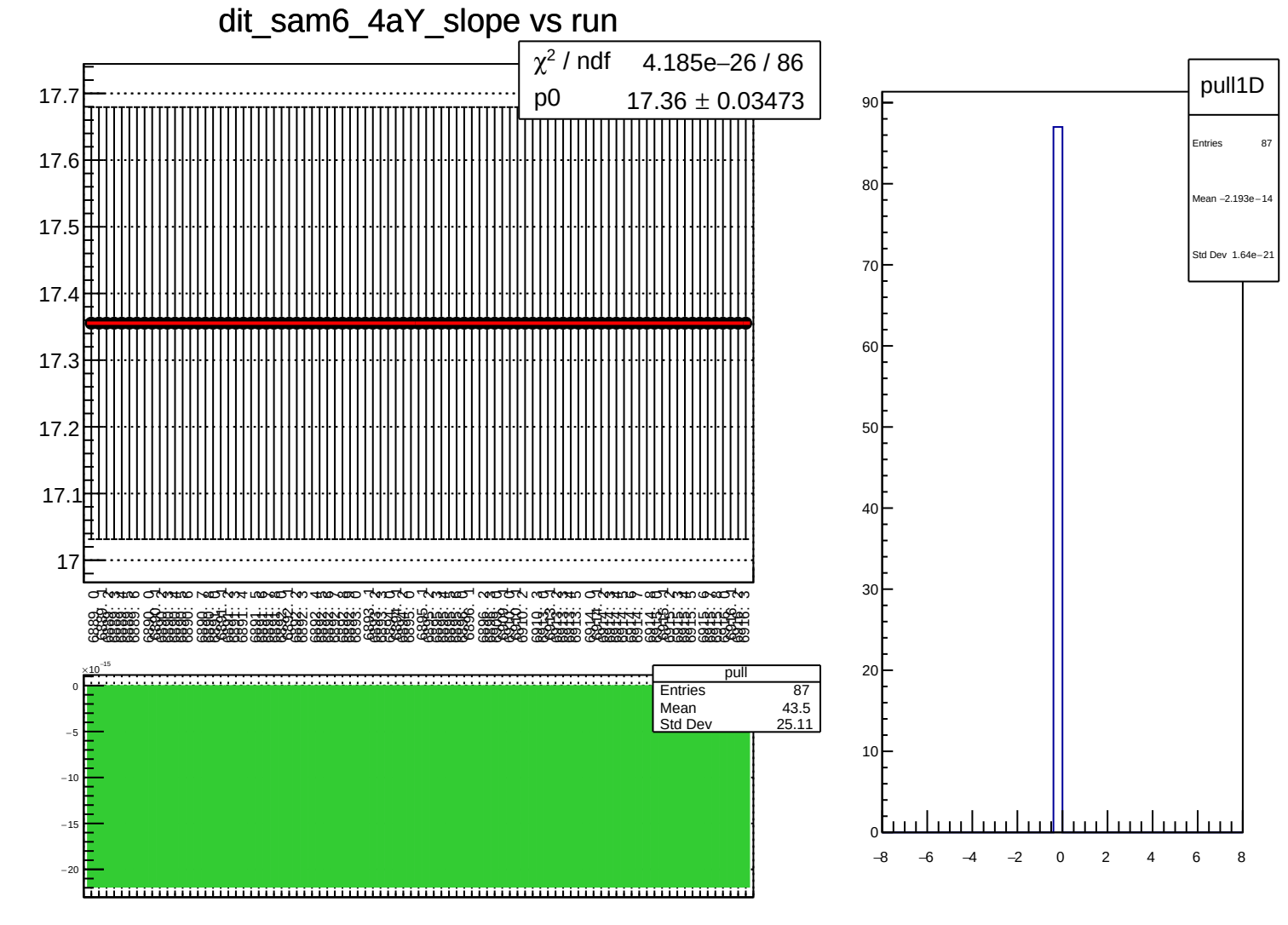

dit_sam5_4aY_slope vs run
χ² / ndf 2.753e−25 / 86
p0 32.36 ± 0.01354
32.5
32.45
32.4
32.35
32.3
32.25
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 87
Mean −5.626e−14
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

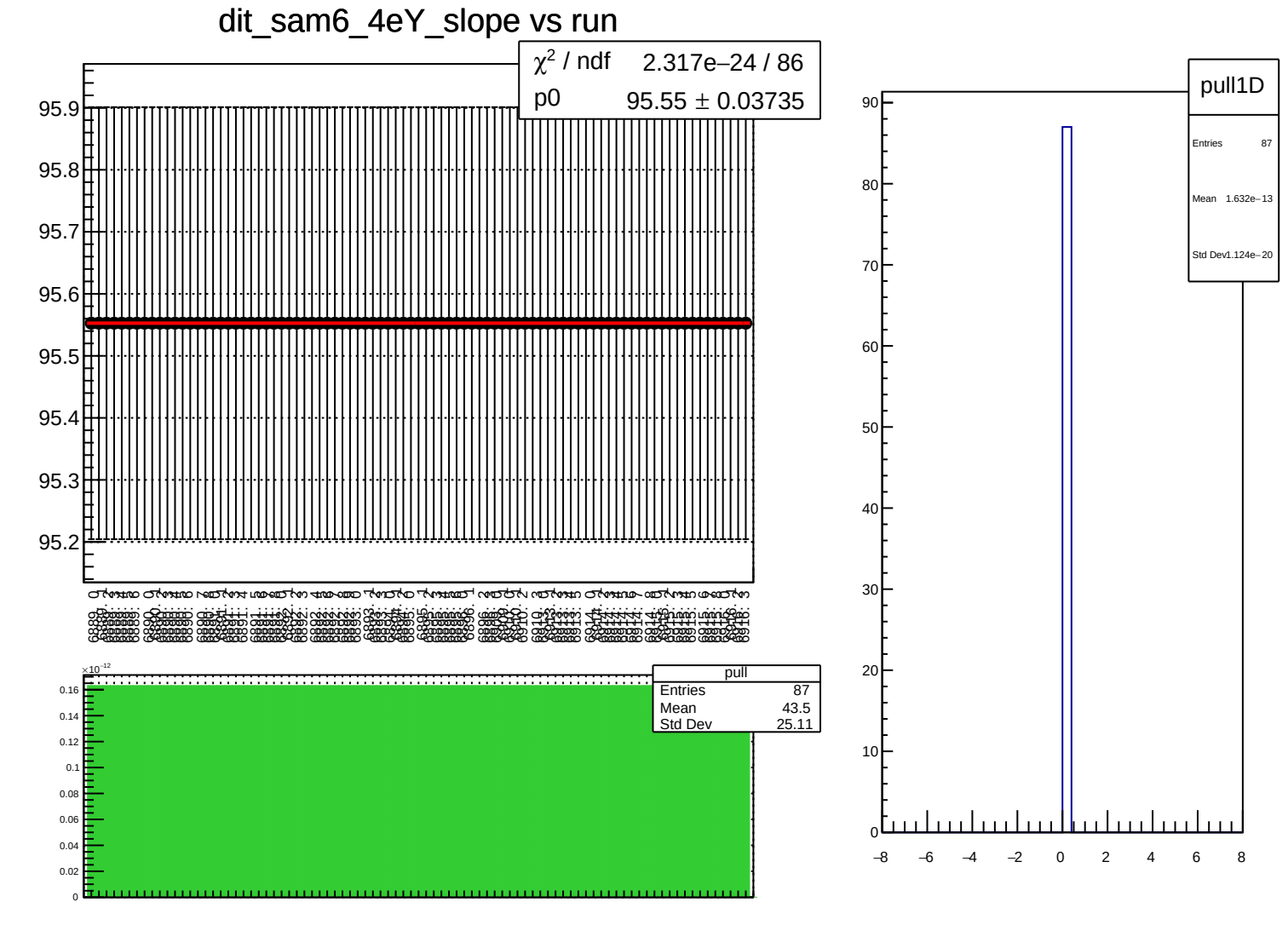

dit_sam5_4eY_slope vs run
χ² / ndf 2.067e−22 / 86
p0 115 ± 0.02372
115.2
115.1
115
114.9
114.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 87
Mean −1.541e−12
Std Dev 6.639e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

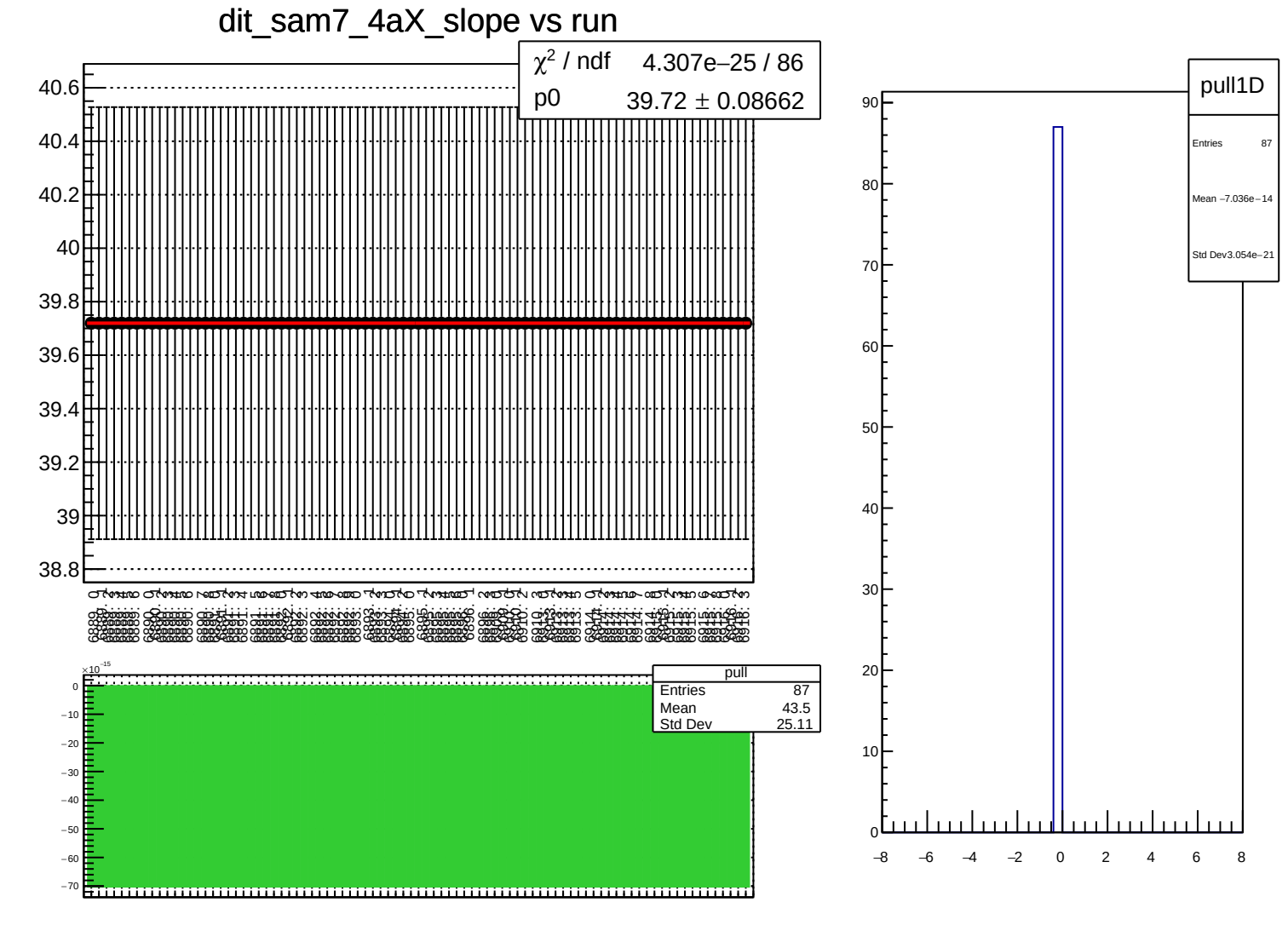

dit_sam6_4aX_slope vs run
χ² / ndf 1.266e−25 / 86
p0 36.22 ± 0.2596
39
38
37
36
35
34
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 87
Mean −3.815e−14
Std Dev1.846e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

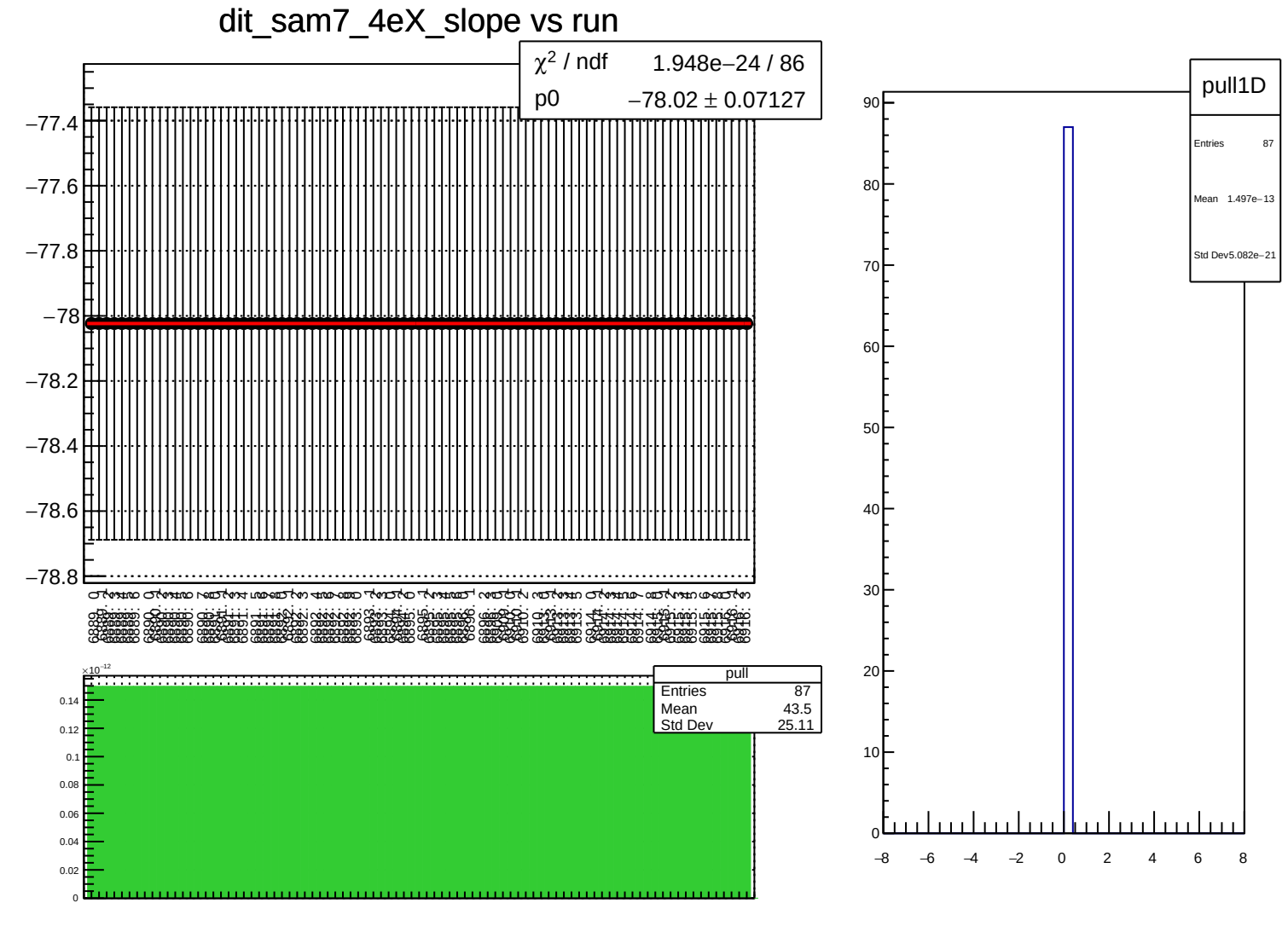

dit_sam6_4eX_slope vs run
χ² / ndf 1.879e−25 / 86
p0 34.07 ± 0.2295
36
35
34
33
32
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 87
Mean 4.648e−14
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

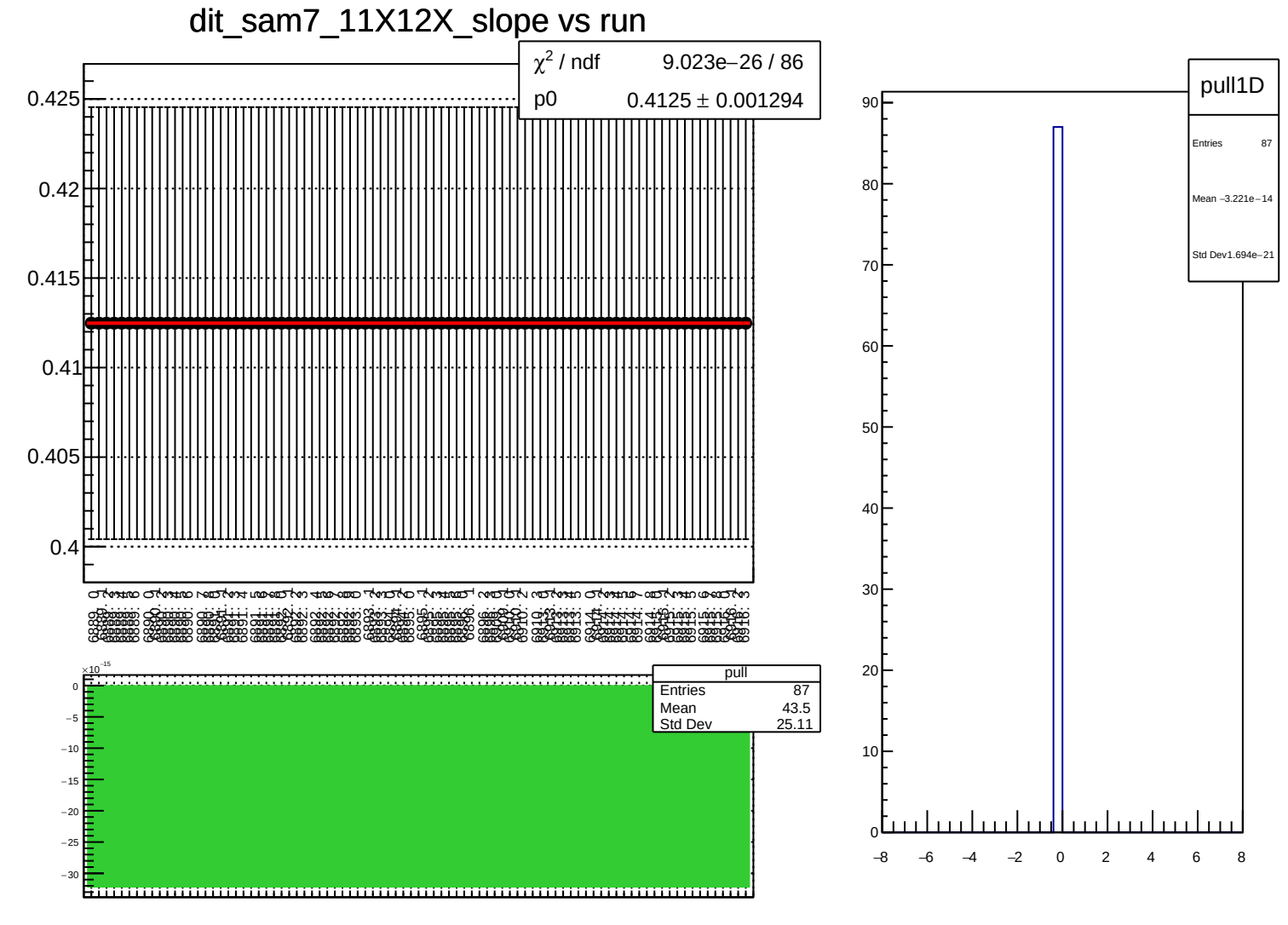

dit_sam6_11X12X_slope vs run
χ² / ndf 5.102e−25 / 86
p0 0.6387 ± 0.003109
0.67
0.66
0.65
0.64
0.63
0.62
0.61
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 87
Mean −7.658e−14
Std Dev4.401e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

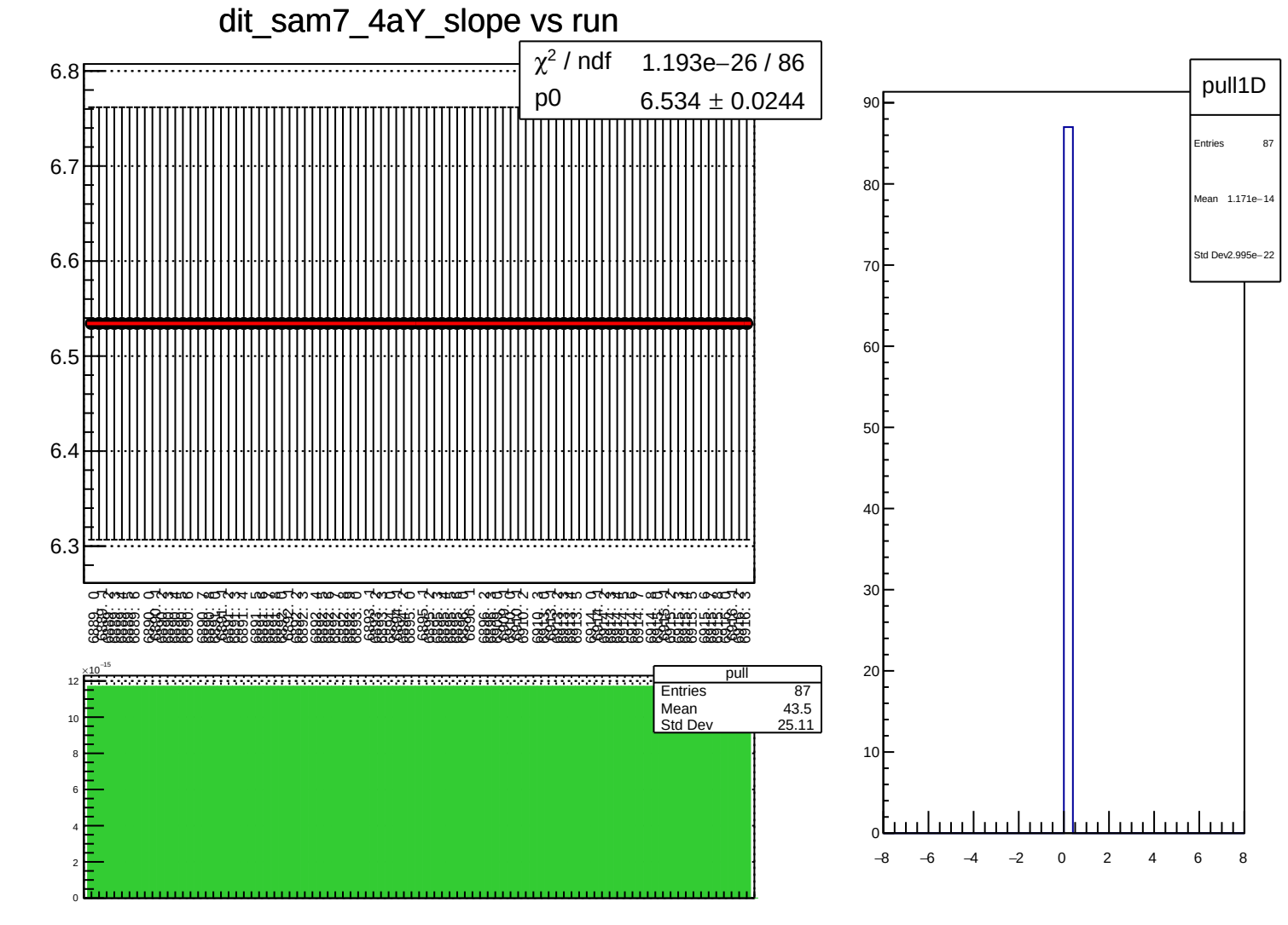

dit_sam6_4aY_slope vs run
χ² / ndf 4.185e−26 / 86
p0 17.36 ± 0.03473
17.7
17.6
17.5
17.4
17.3
17.2
17.1
17
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 87
Mean −2.193e−14
Std Dev 1.64e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

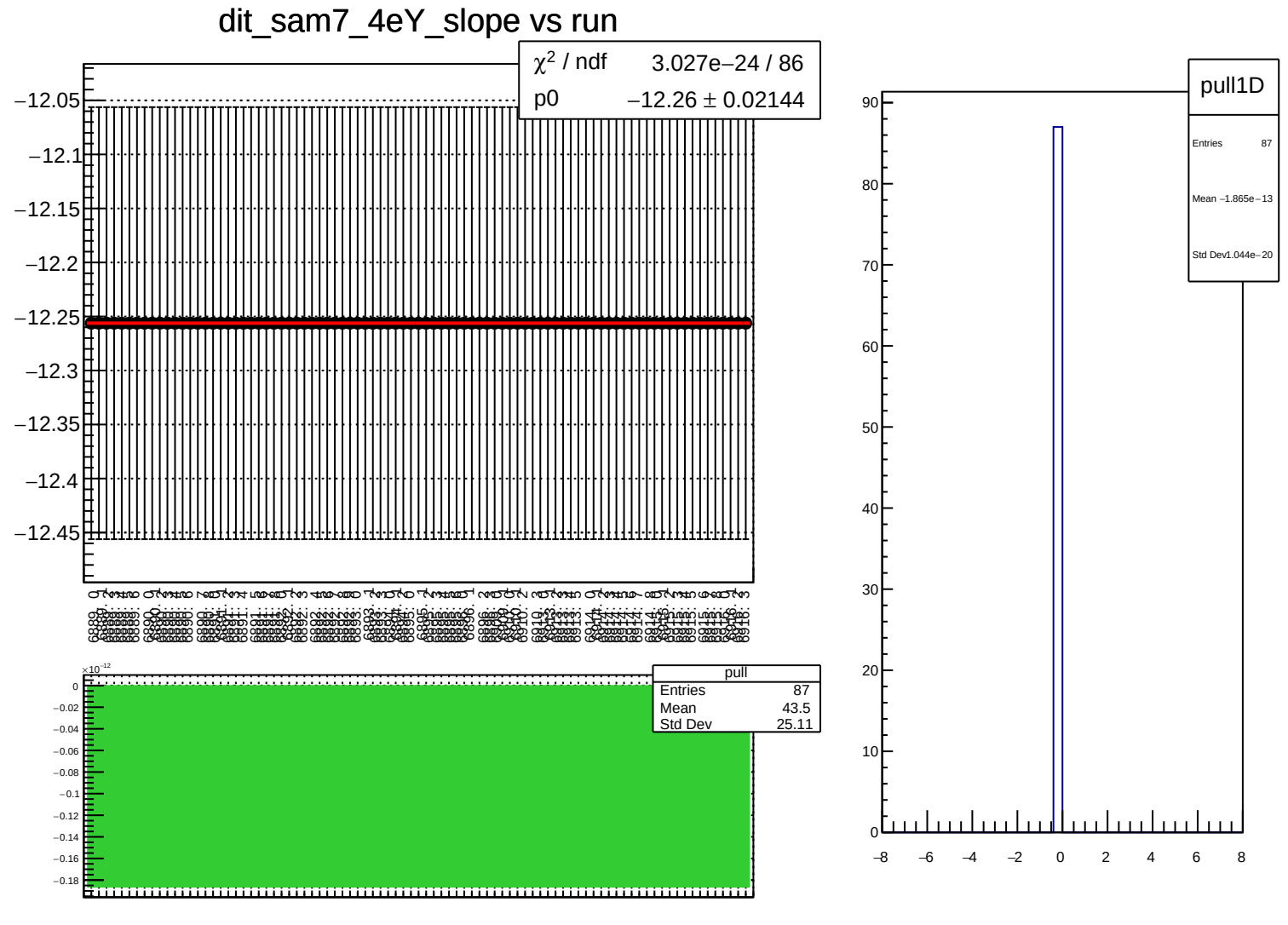

dit_sam6_4eY_slope vs run
χ² / ndf 2.317e−24 / 86
p0 95.55 ± 0.03735
95.9
95.8
95.7
95.6
95.5
95.4
95.3
95.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.632e−13
Std Dev1.124e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

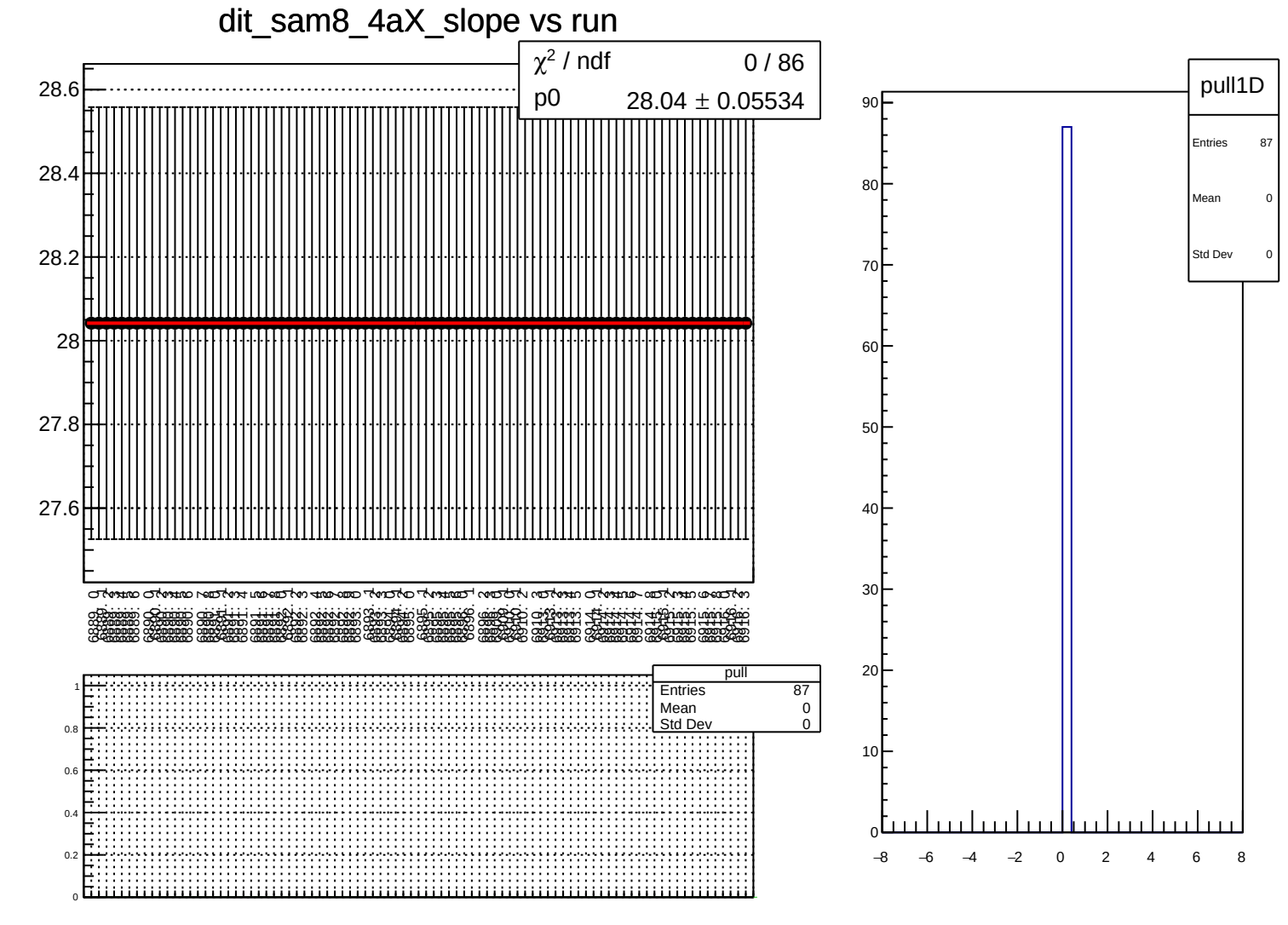

dit_sam7_4aX_slope vs run
χ² / ndf 4.307e−25 / 86
p0 39.72 ± 0.08662
40.6
40.4
40.2
40
39.8
39.6
39.4
39.2
39
38.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 87
Mean −7.036e−14
Std Dev3.054e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

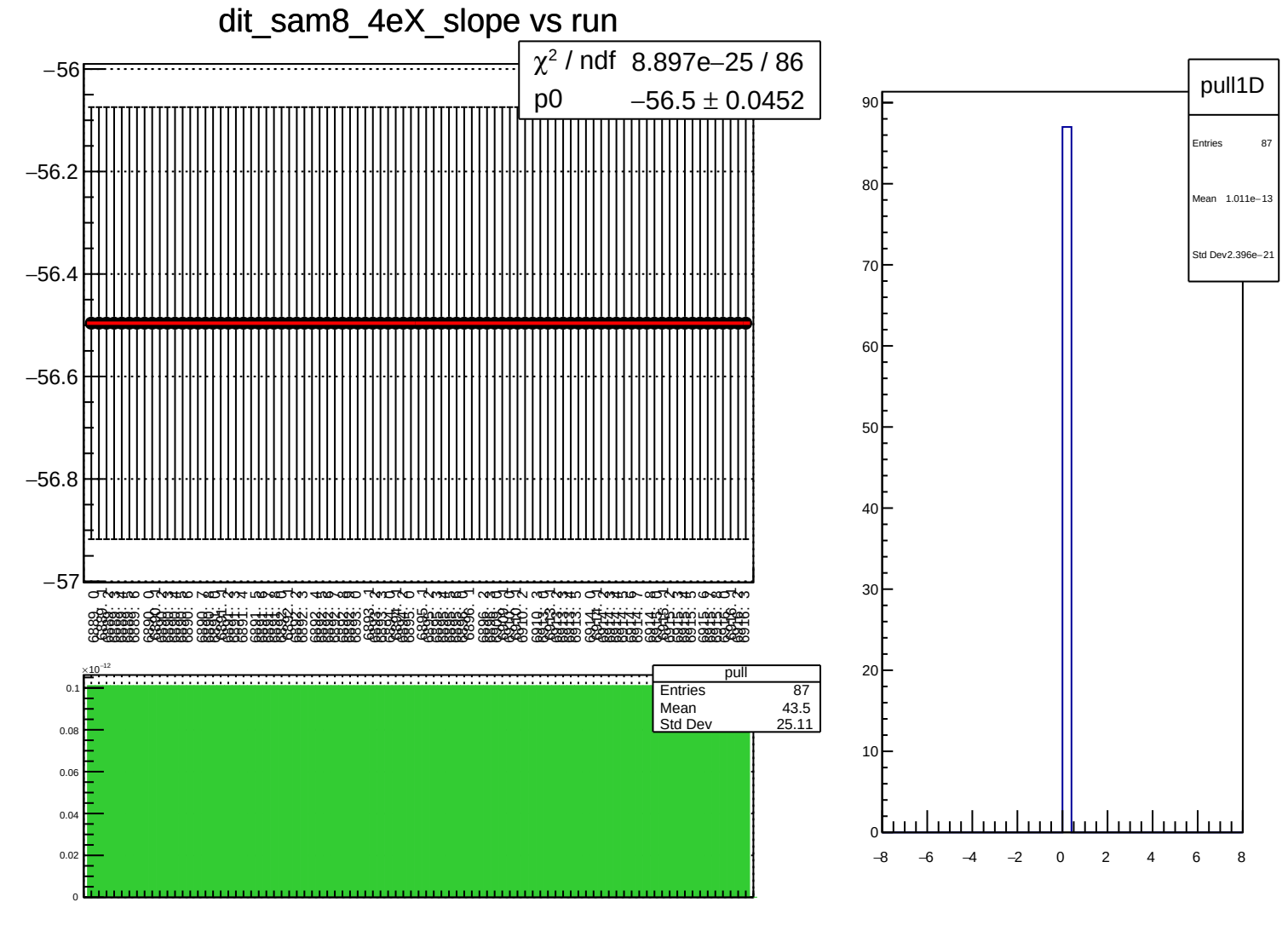

dit_sam7_4eX_slope vs run
χ² / ndf 1.948e−24 / 86
p0 −78.02 ± 0.07127
−77.4
−77.6
−77.8
−78
−78.2
−78.4
−78.6
−78.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.497e−13
Std Dev5.082e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

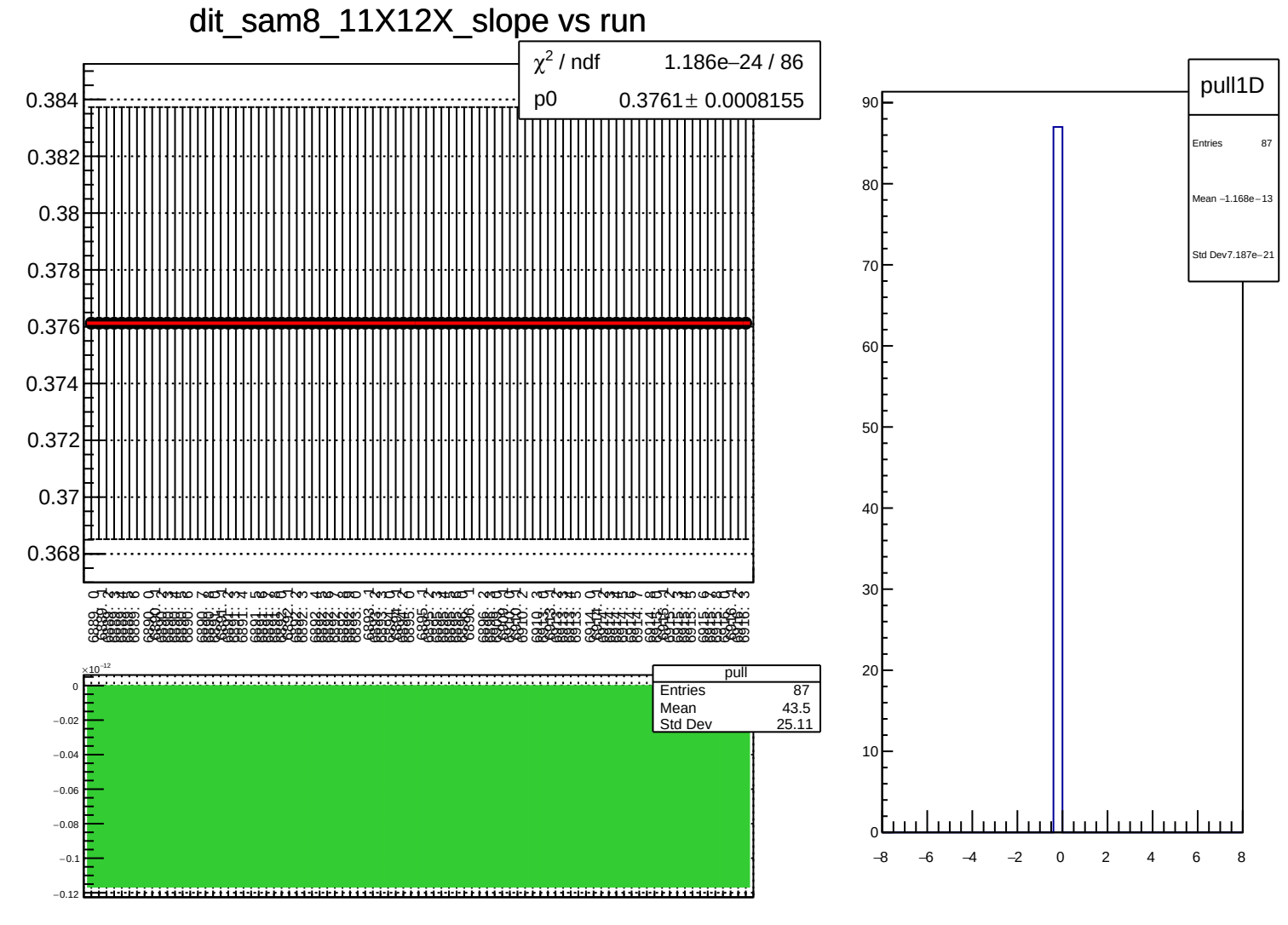

dit_sam7_11X12X_slope vs run
χ² / ndf 9.023e−26 / 86
p0 0.4125 ± 0.001294
0.425
0.42
0.415
0.41
0.405
0.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 87
Mean −3.221e−14
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

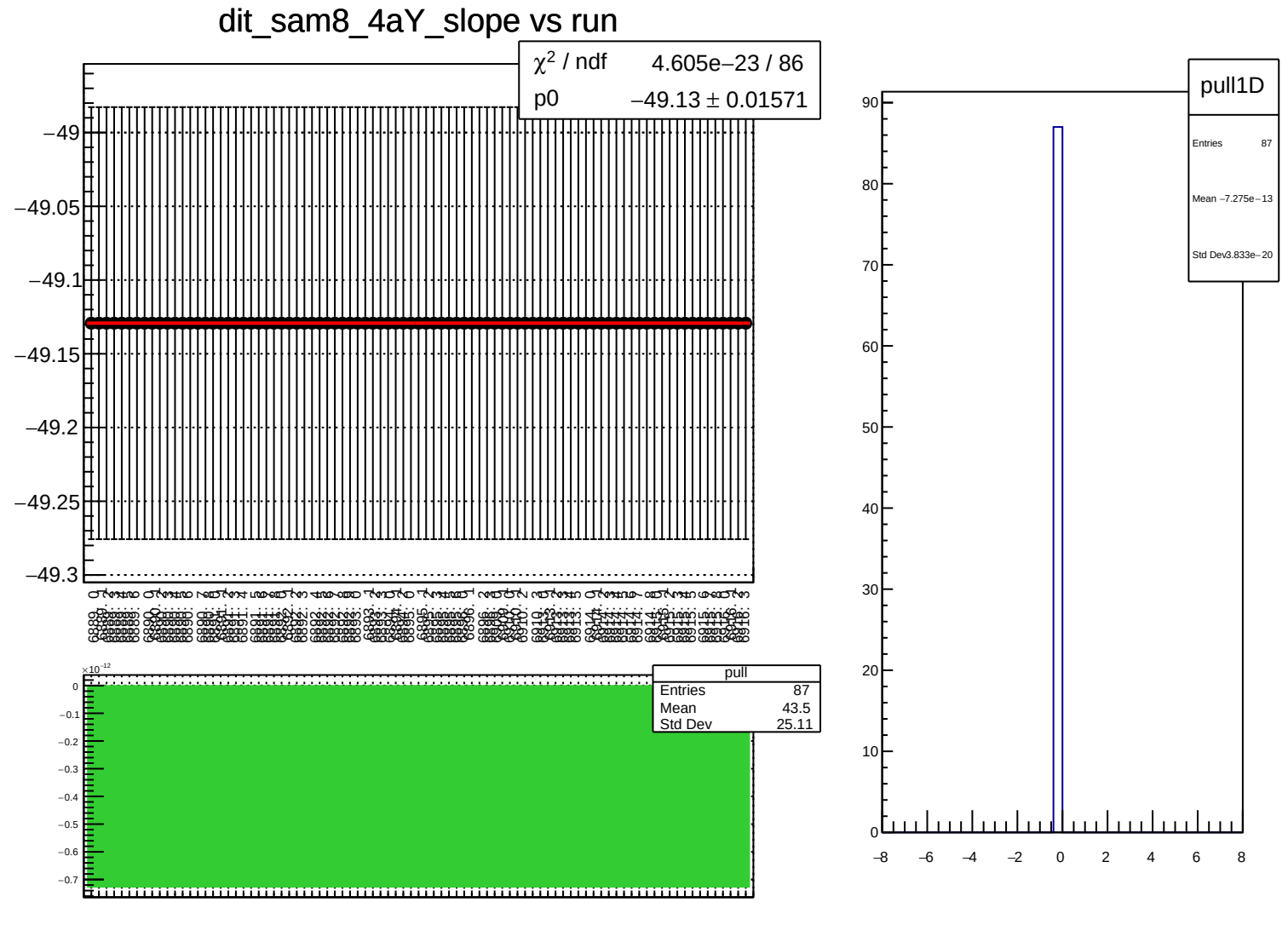

dit_sam7_4aY_slope vs run
χ² / ndf 1.193e−26 / 86
p0 6.534 ± 0.0244
6.8
6.7
6.6
6.5
6.4
6.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.171e−14
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

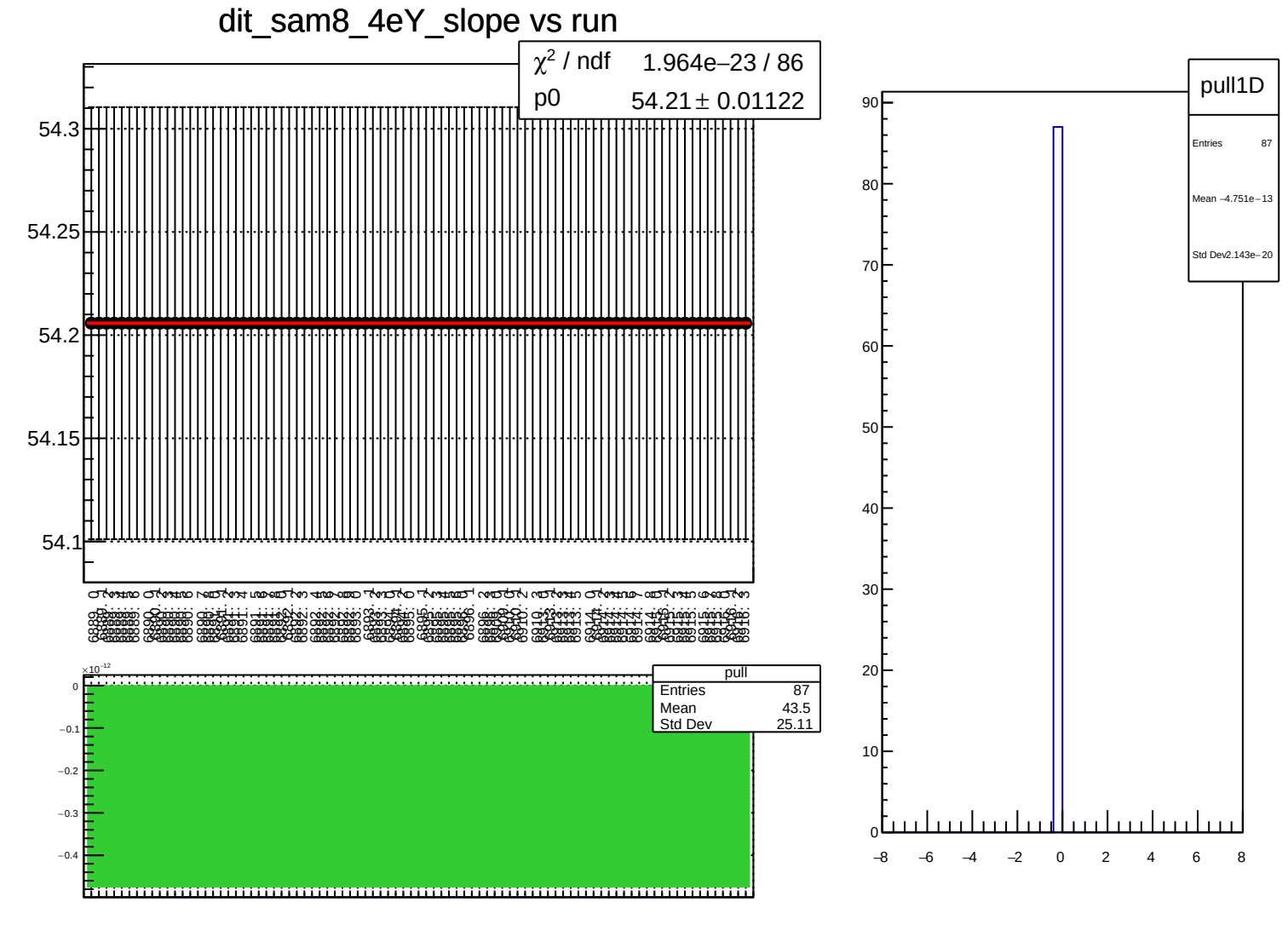

dit_sam7_4eY_slope vs run
χ² / ndf 3.027e−24 / 86
p0 −12.26 ± 0.02144
−12.05
−12.1
−12.15
−12.2
−12.25
−12.3
−12.35
−12.4
−12.45
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 87
Mean −1.865e−13
Std Dev1.044e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

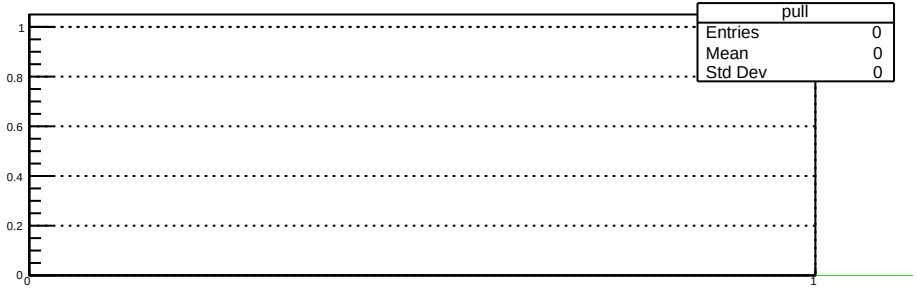

dit_sam8_4aX_slope vs run
χ² / ndf 0 / 86
p0 28.04 ± 0.05534
28.6
28.4
28.2
28
27.8
27.6
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

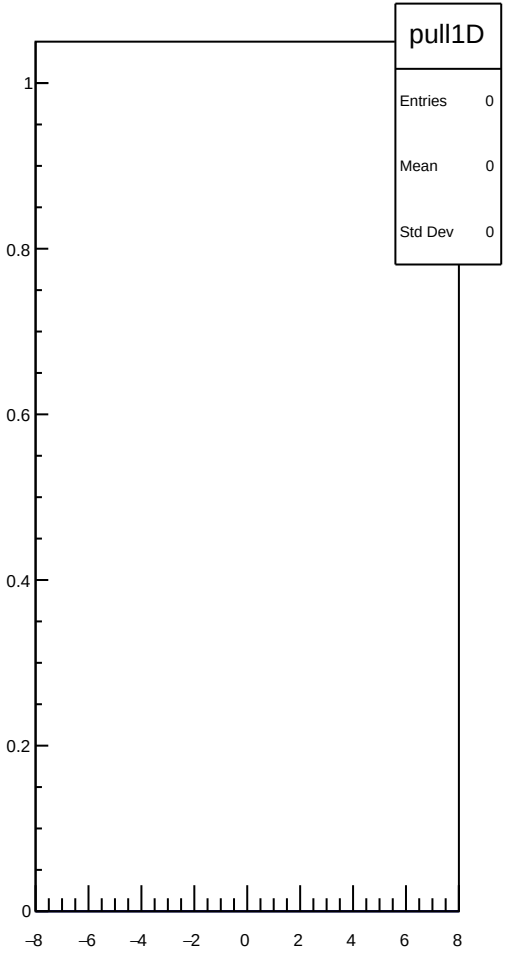

dit_sam8_4eX_slope vs run
χ² / ndf 8.897e−25 / 86
p0 −56.5 ± 0.0452
−56
−56.2
−56.4
−56.6
−56.8
−57
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.011e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

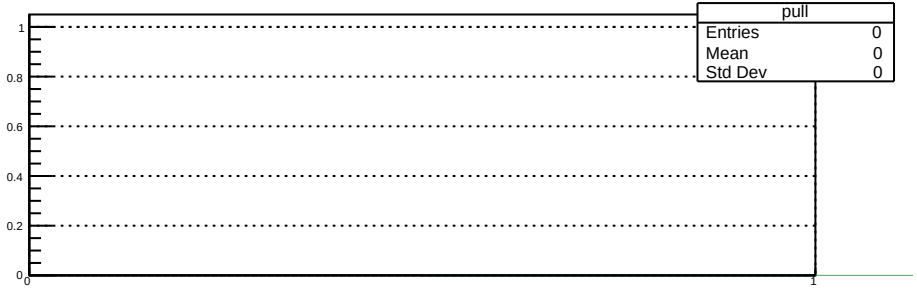

dit_sam8_11X12X_slope vs run
χ² / ndf 1.186e−24 / 86
p0 0.3761 ± 0.0008155
0.384
0.382
0.38
0.378
0.376
0.374
0.372
0.37
0.368
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 87
Mean −1.168e−13
Std Dev7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

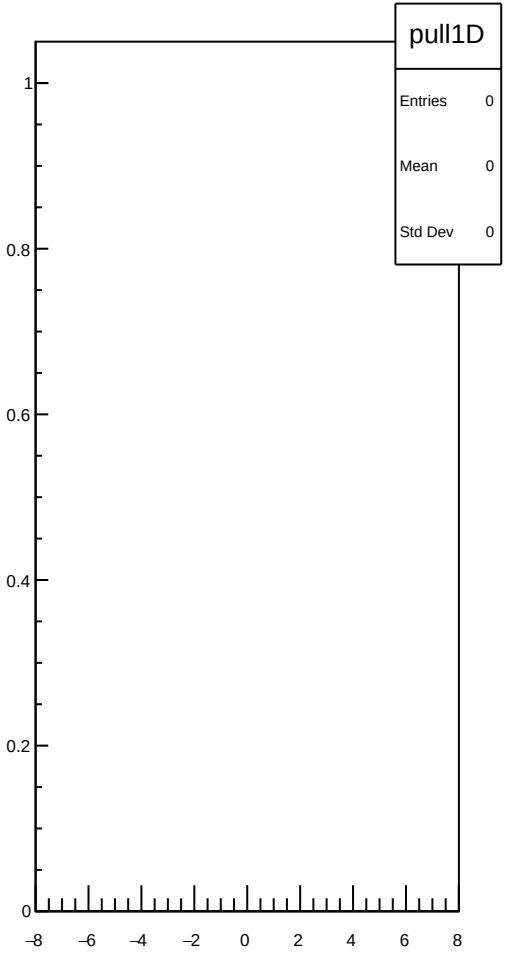

dit_sam8_4aY_slope vs run
χ² / ndf 4.605e−23 / 86
p0 −49.13 ± 0.01571
−49
−49.05
−49.1
−49.15
−49.2
−49.25
−49.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull1D
Entries 87
Mean −7.275e−13
Std Dev 3.833e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

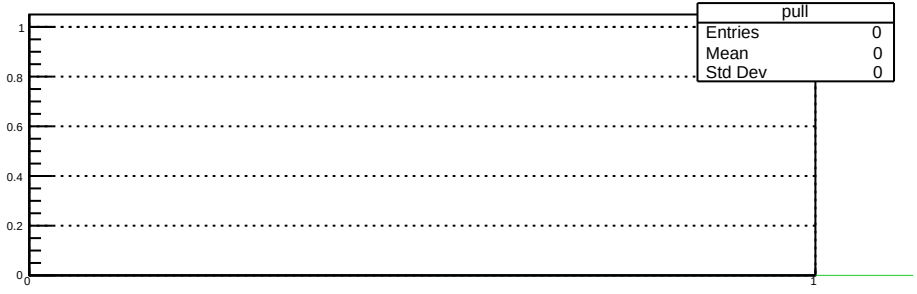

dit_sam8_4eY_slope vs run
χ² / ndf 1.964e−23 / 86
p0 54.21 ± 0.01122
54.3
54.25
54.2
54.15
54.1
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 87
Mean −4.751e−13
Std Dev 2.143e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

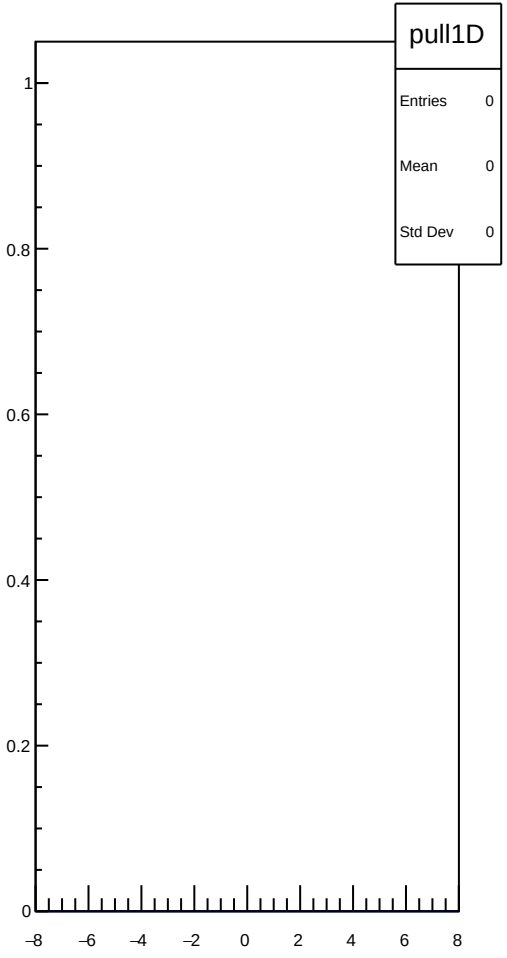

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

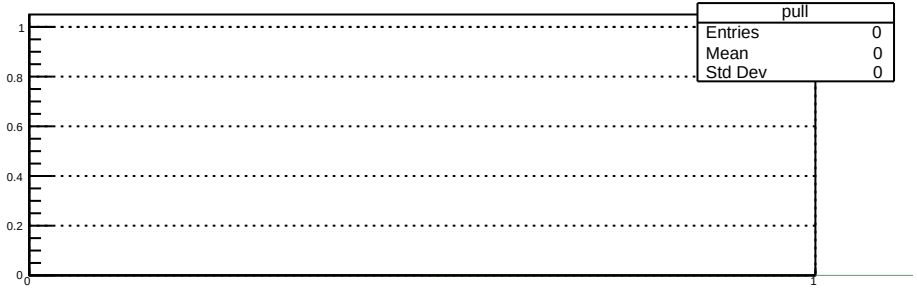

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

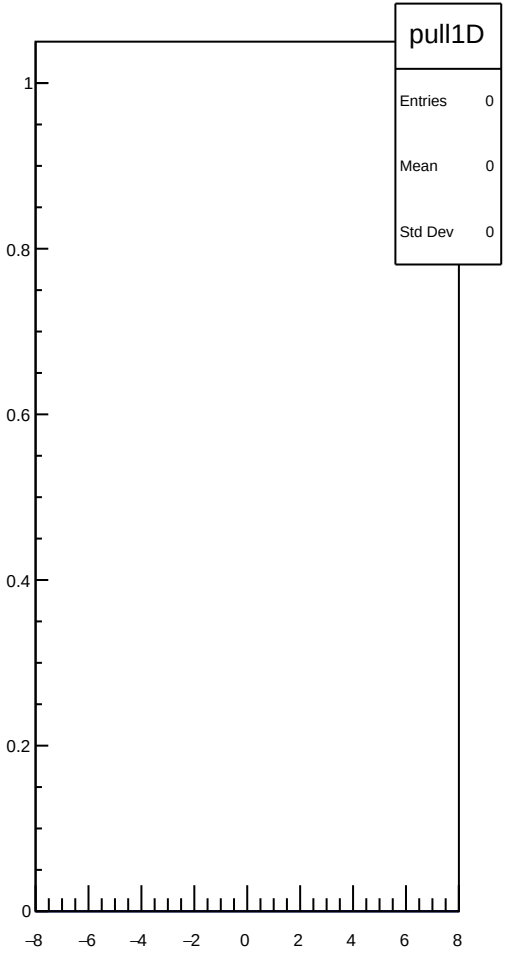

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

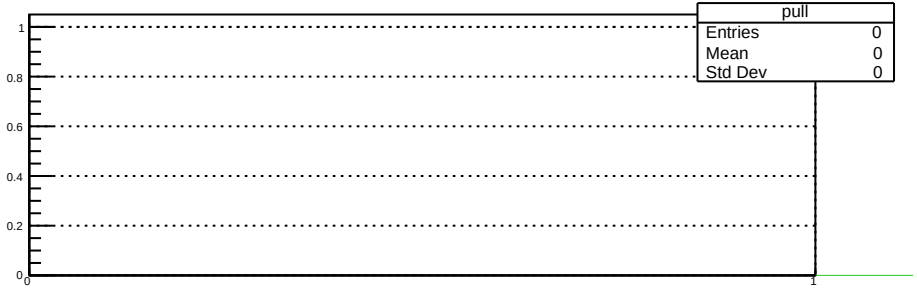

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

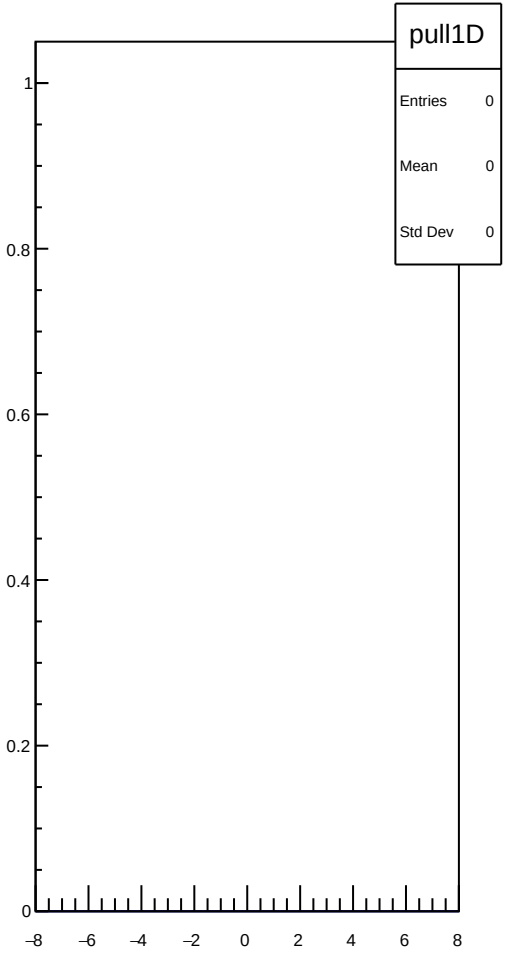

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

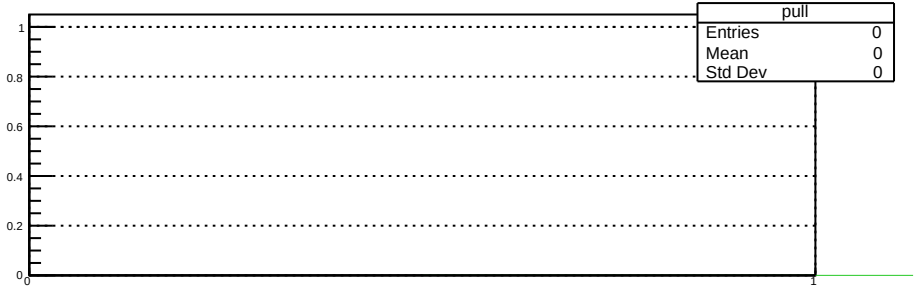

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

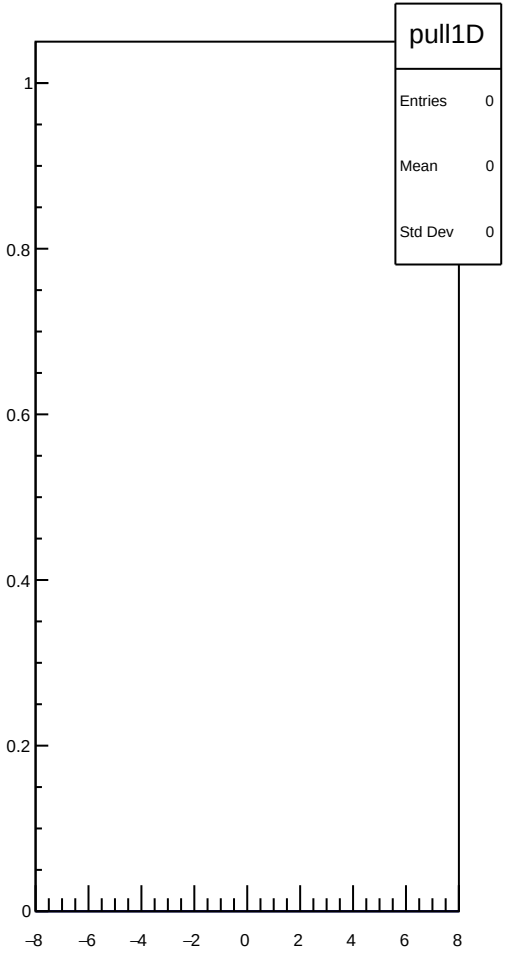

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

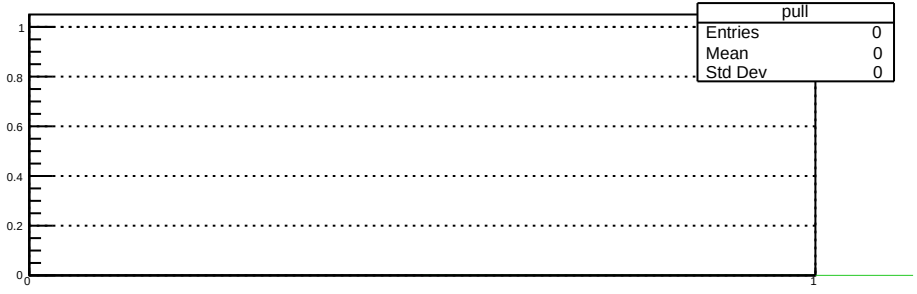

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

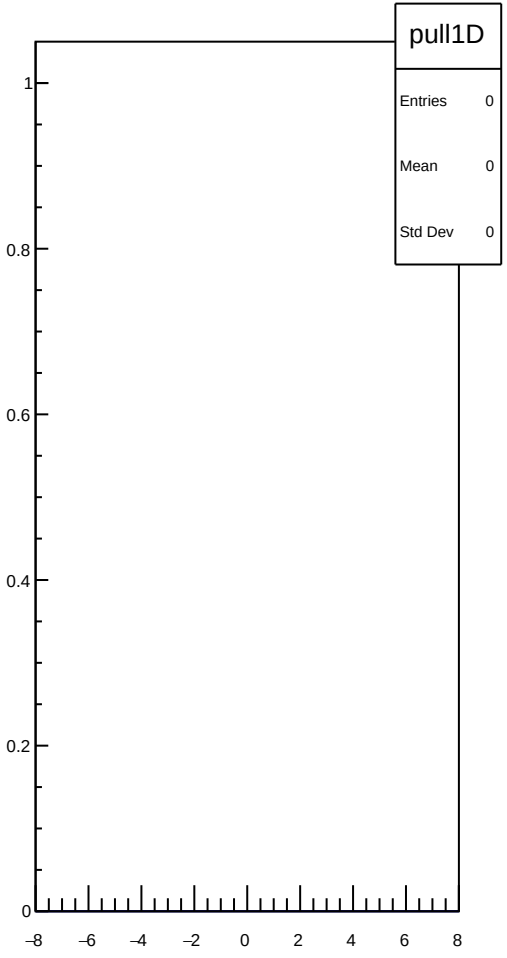

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

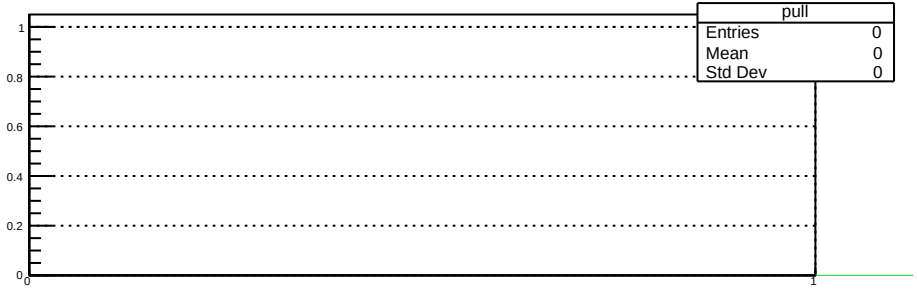

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

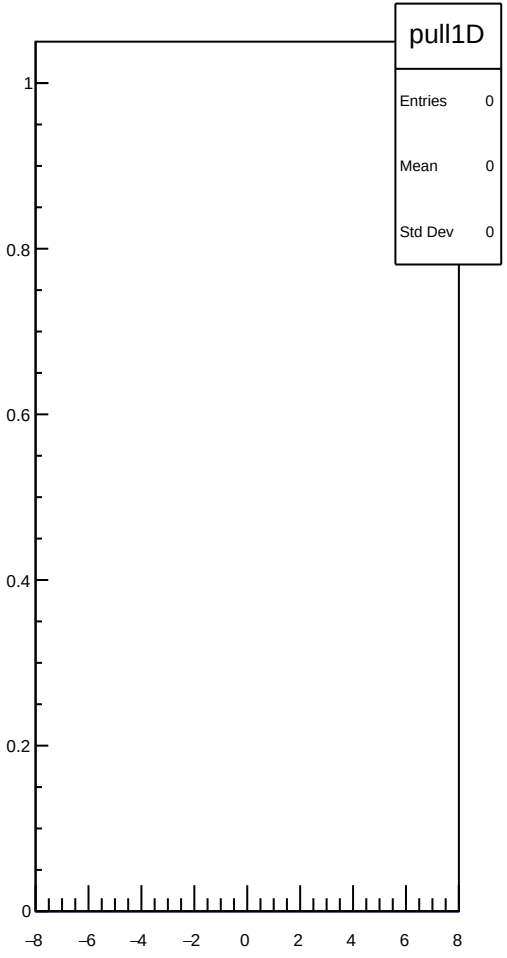

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

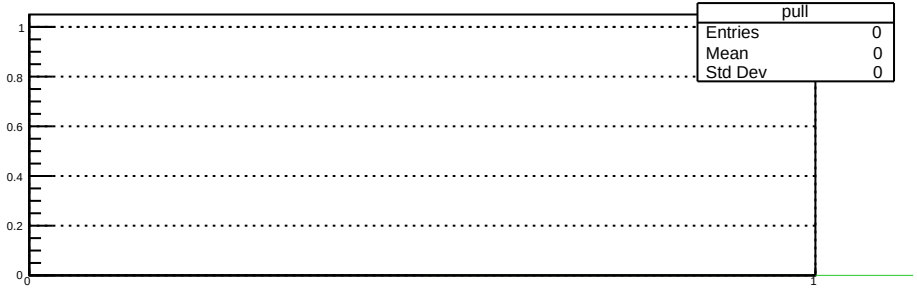

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

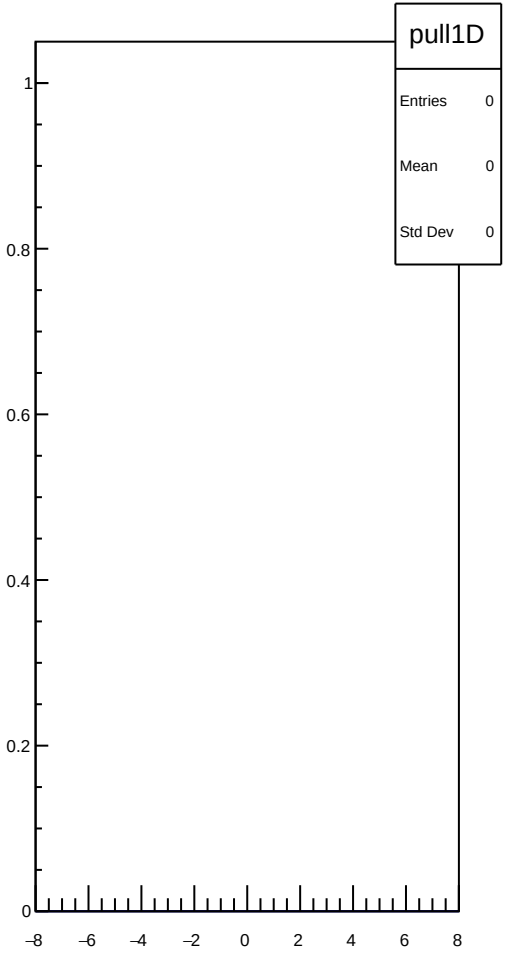

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

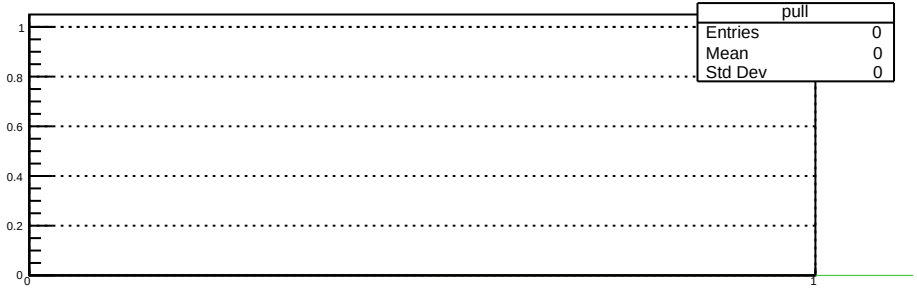

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
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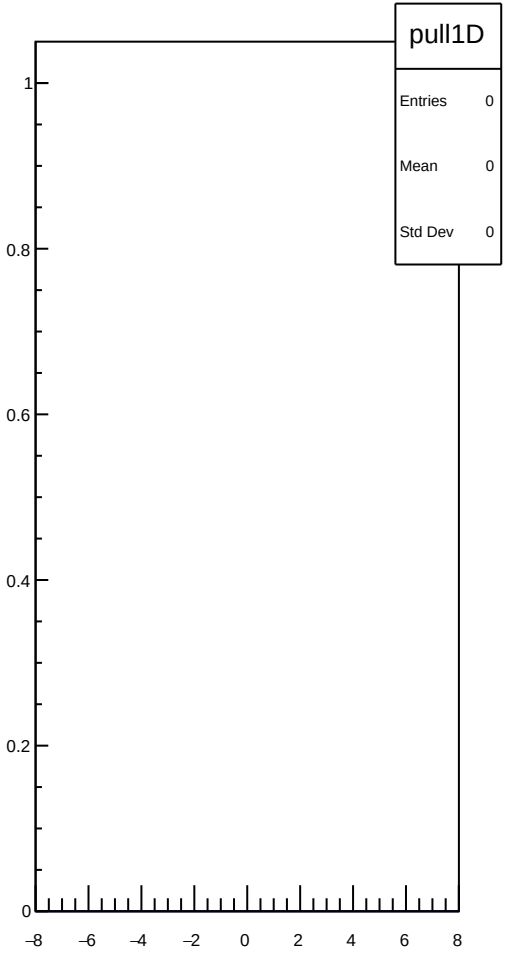

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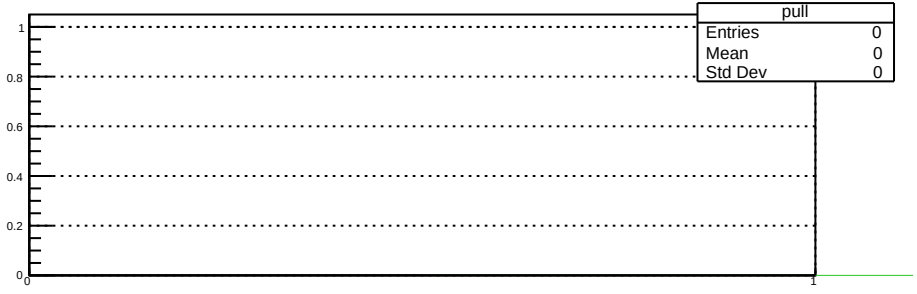

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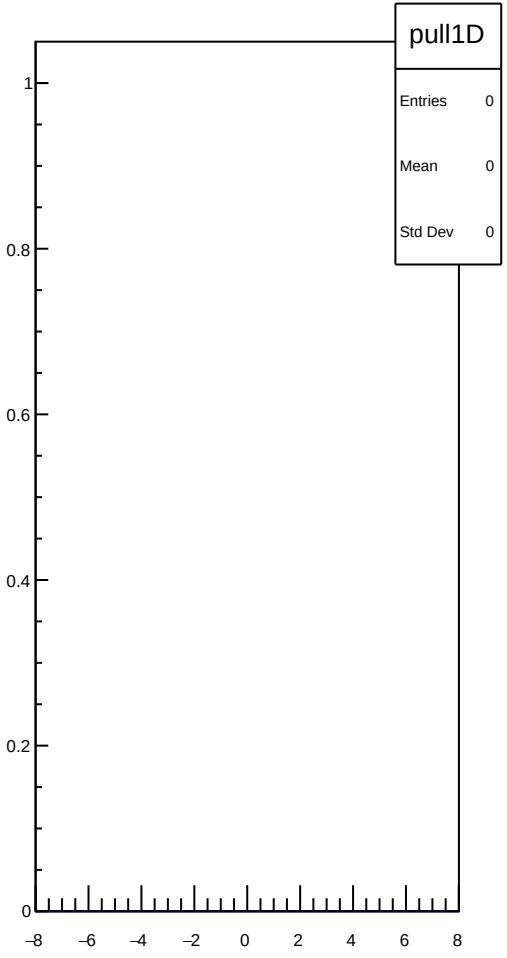

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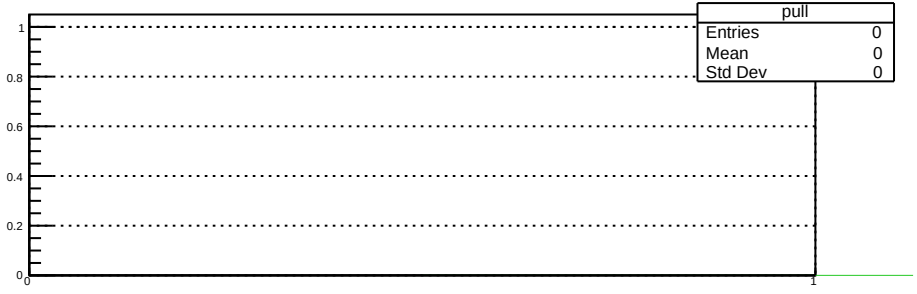

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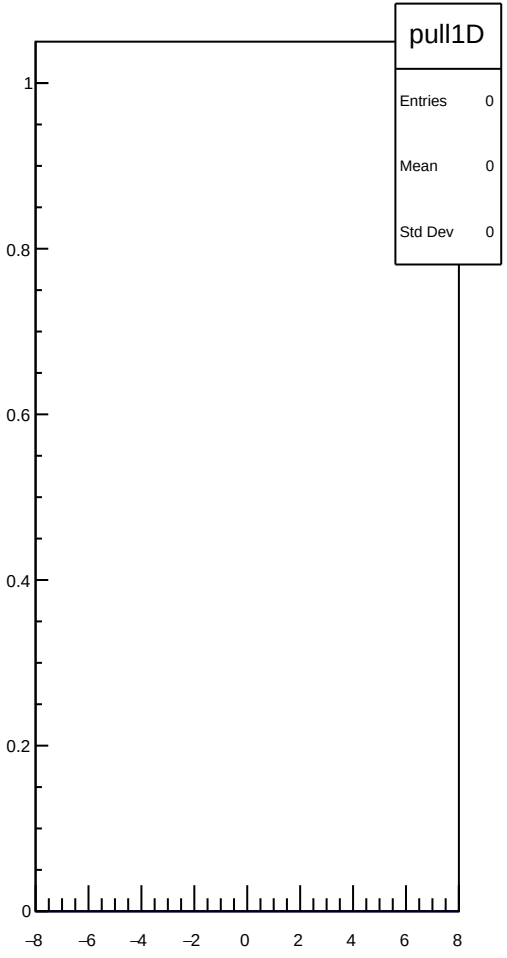

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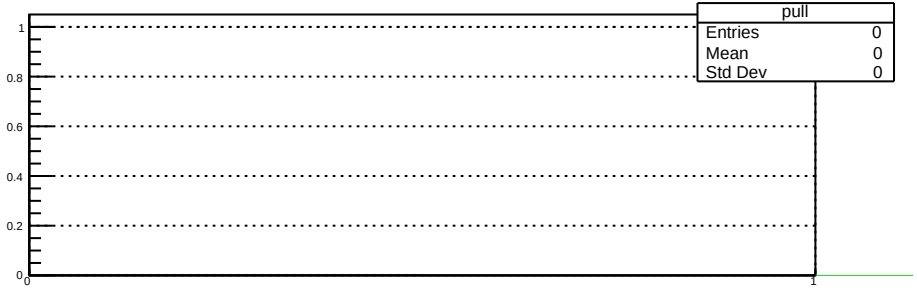

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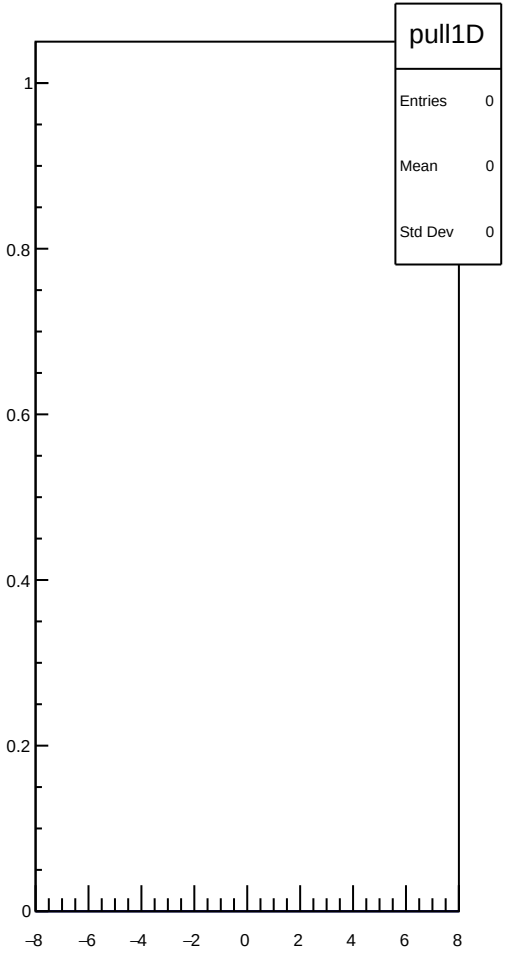

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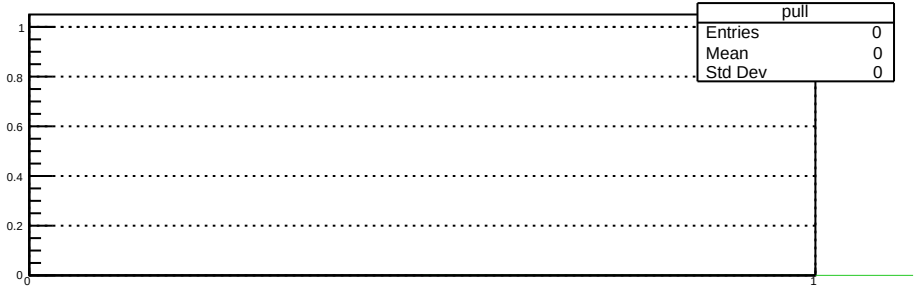

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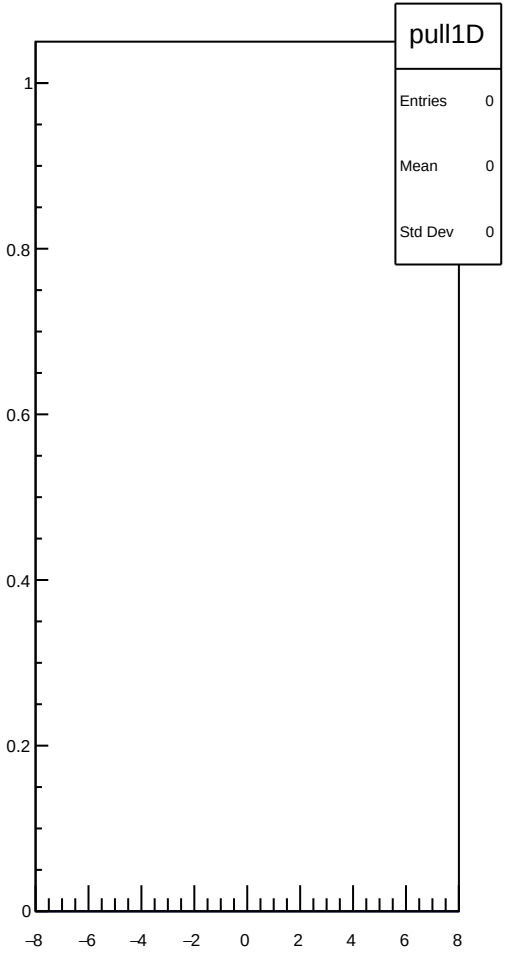

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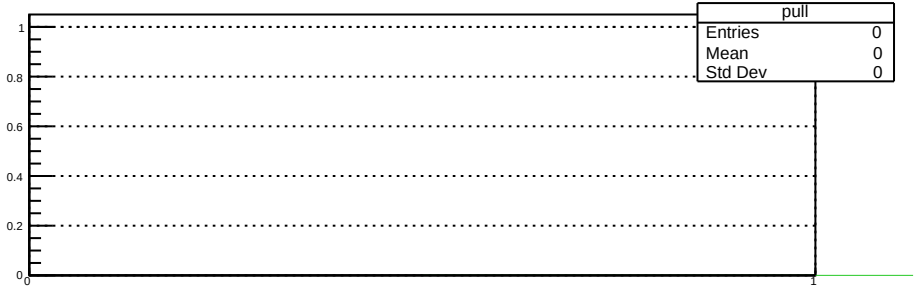

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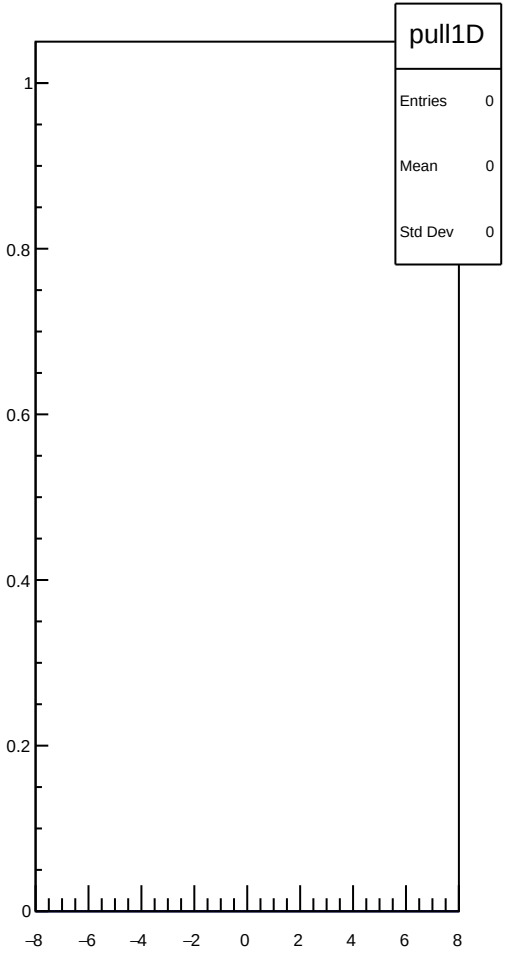

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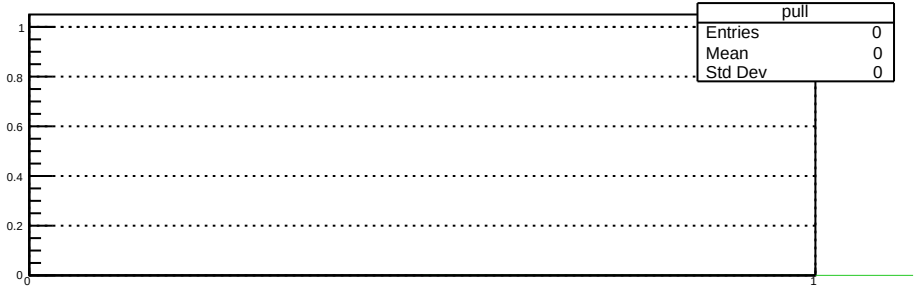

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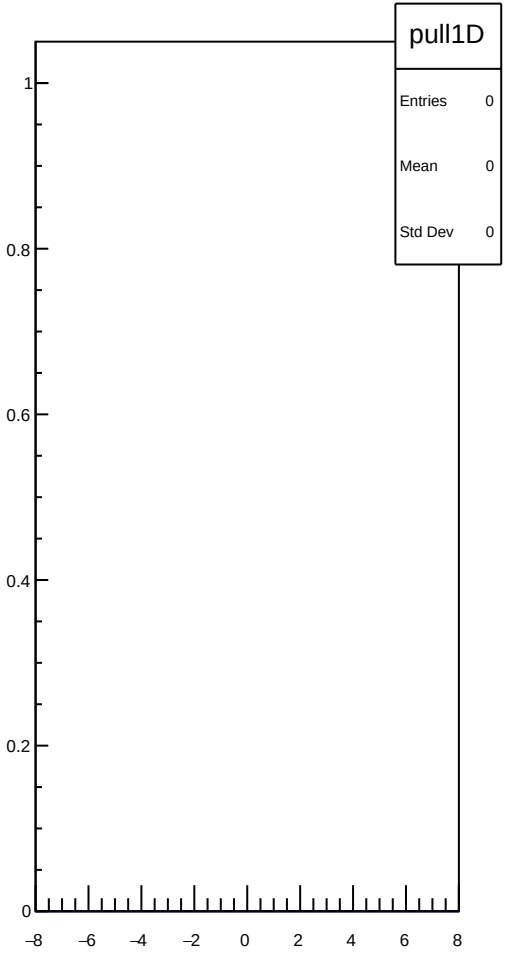

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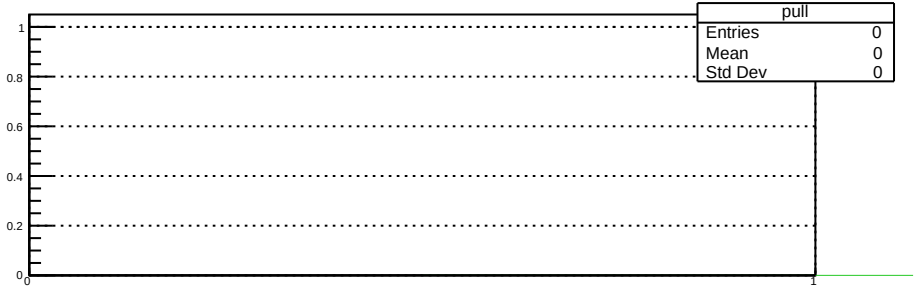

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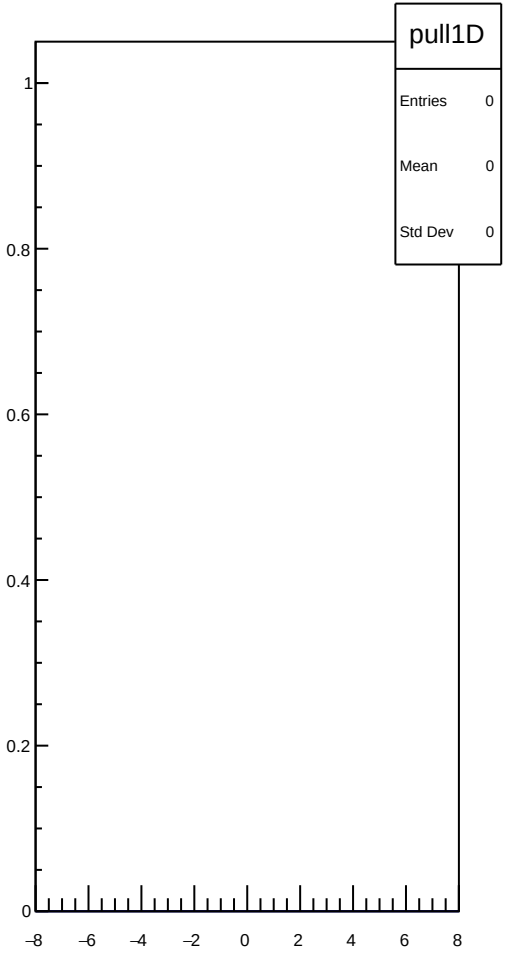

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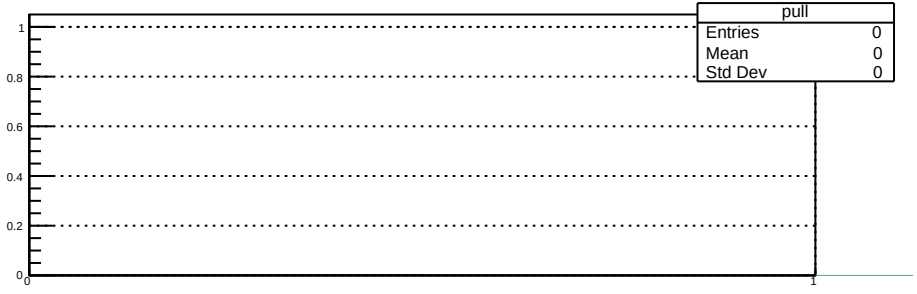

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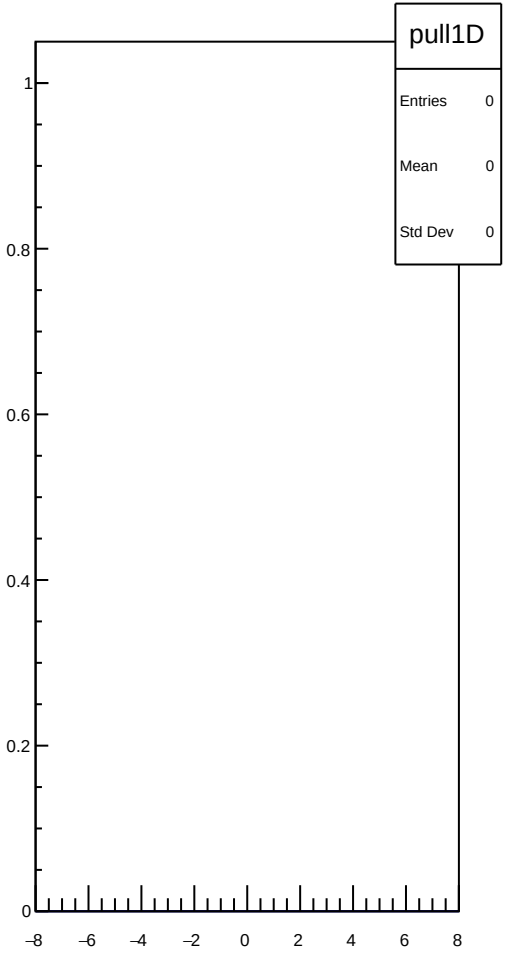

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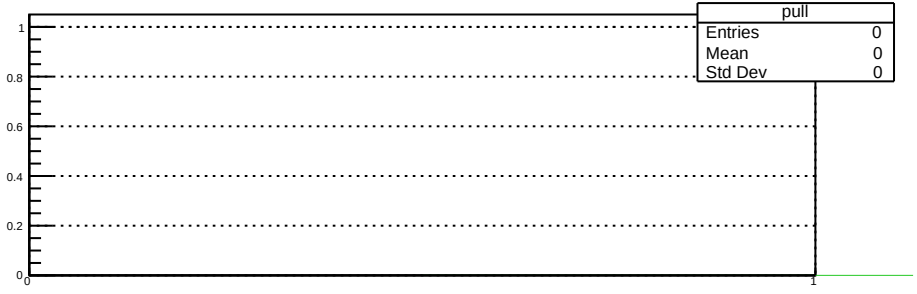

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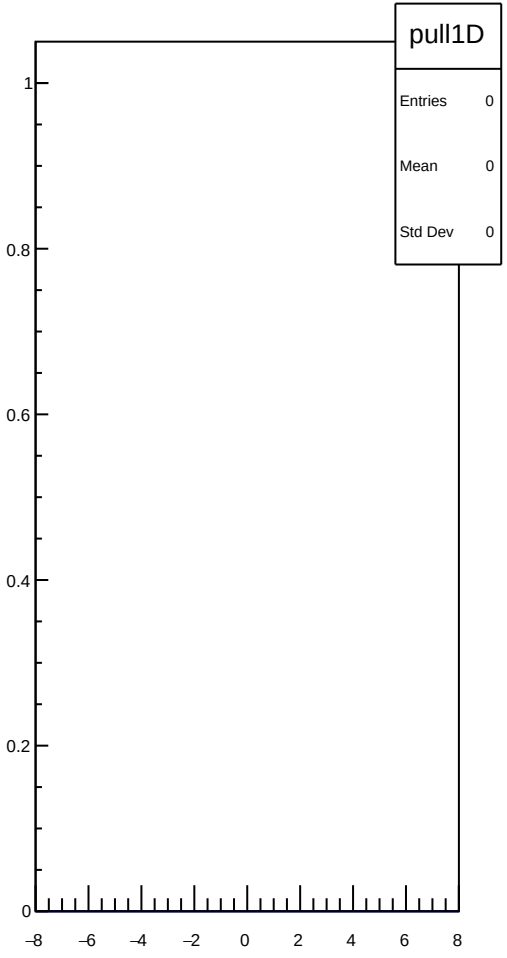

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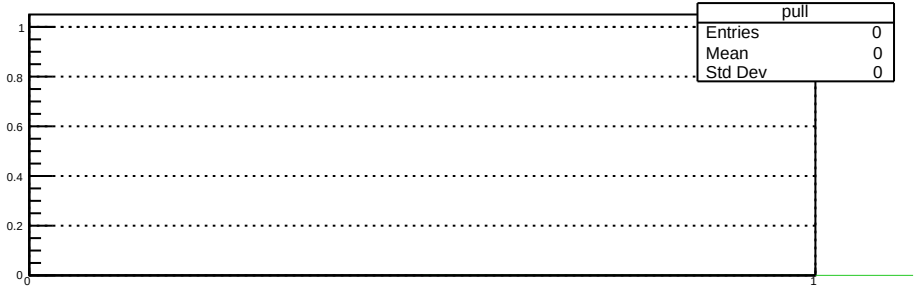

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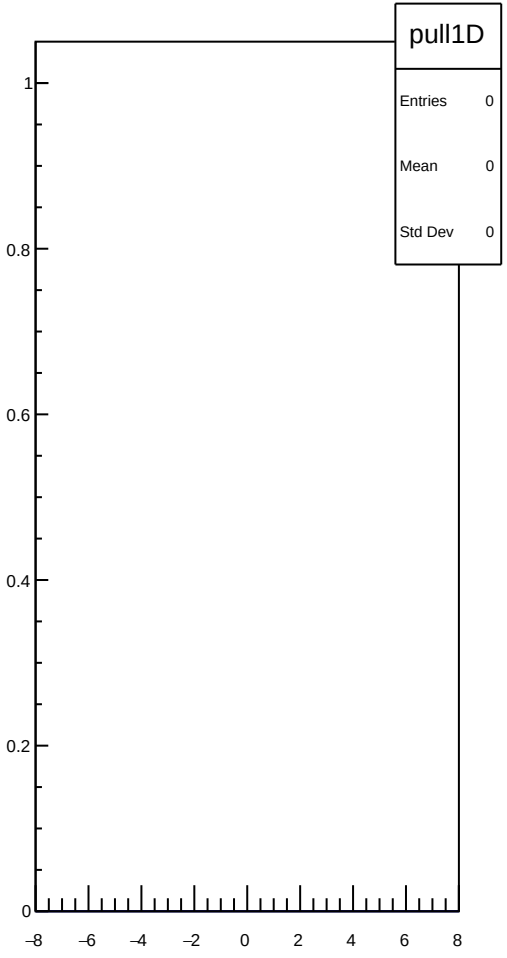

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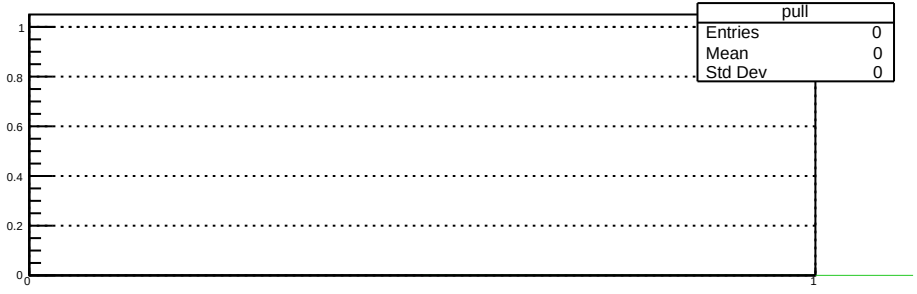

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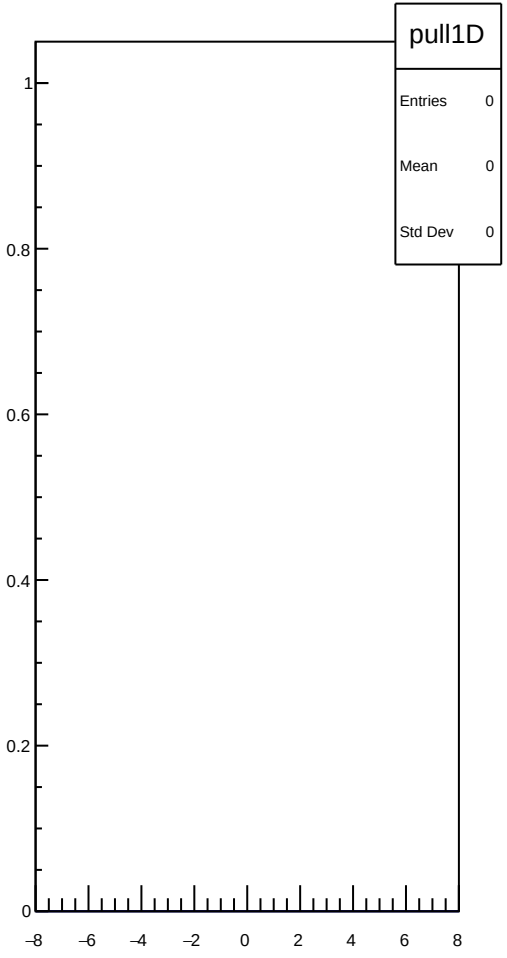

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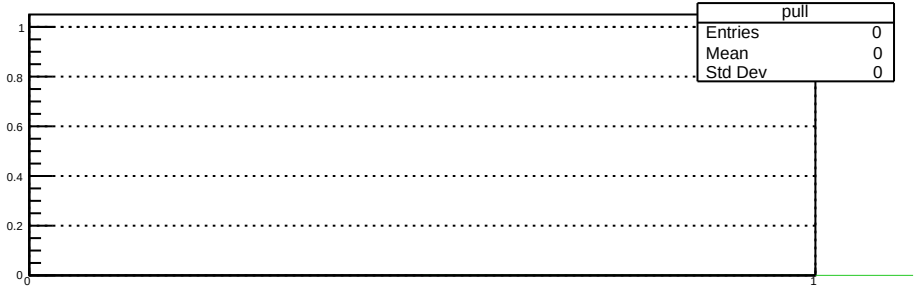

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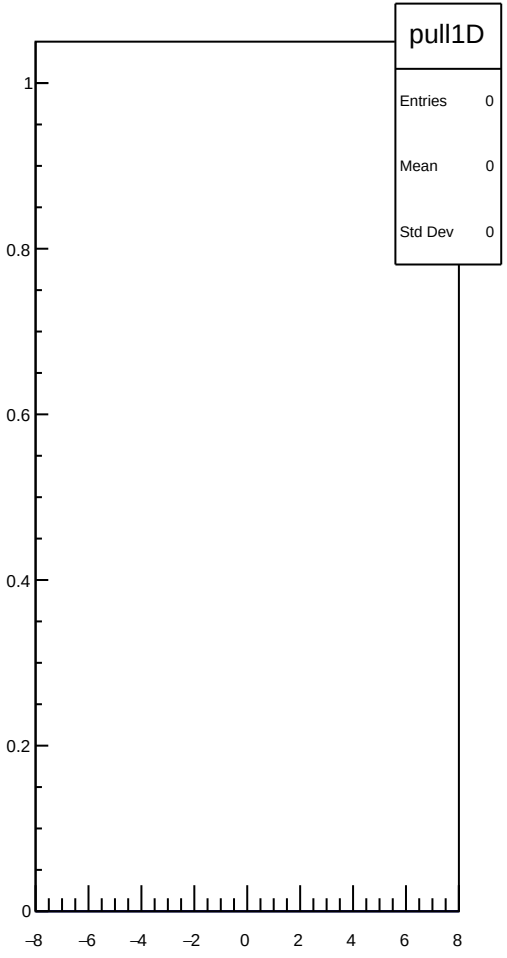

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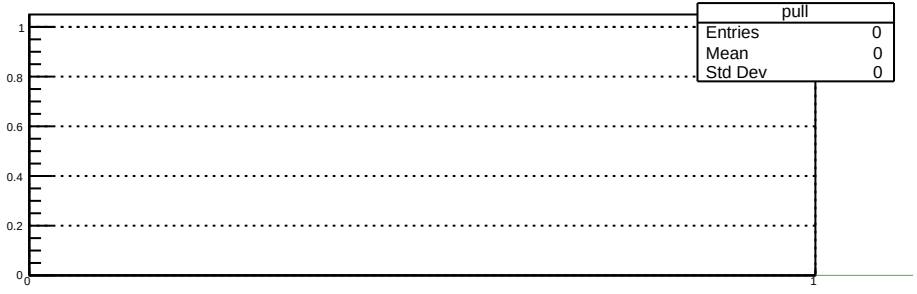

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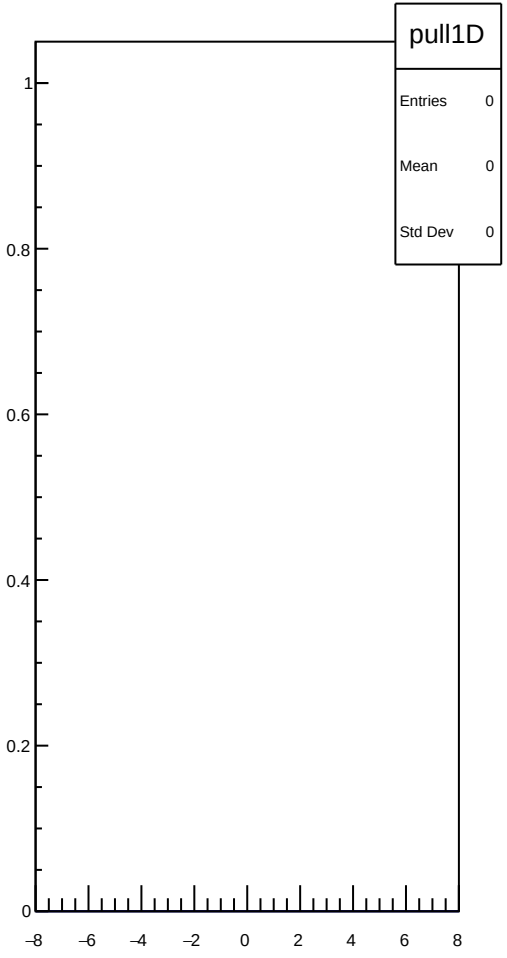

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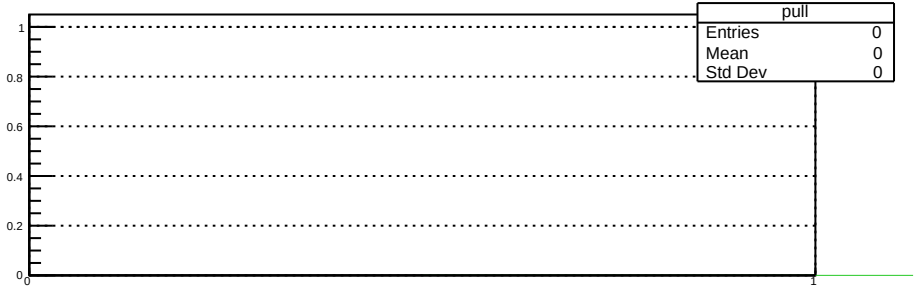

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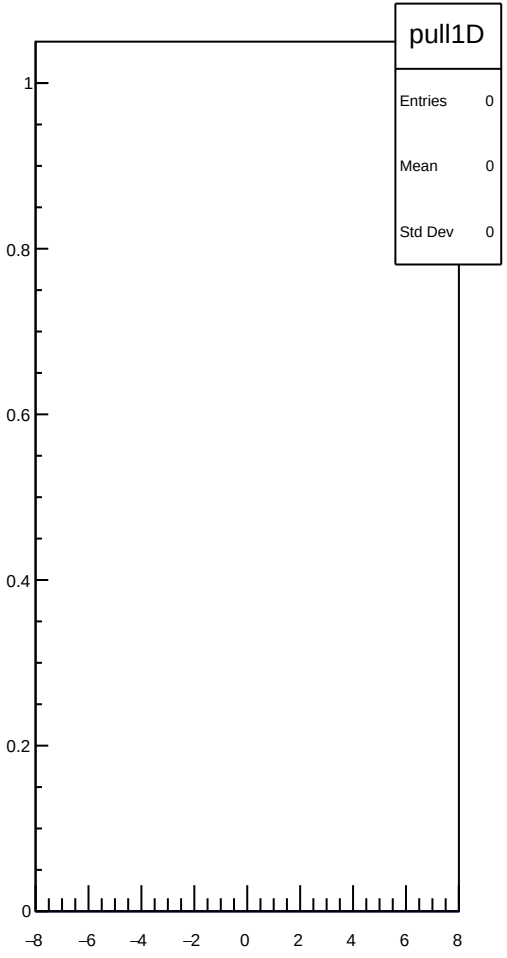

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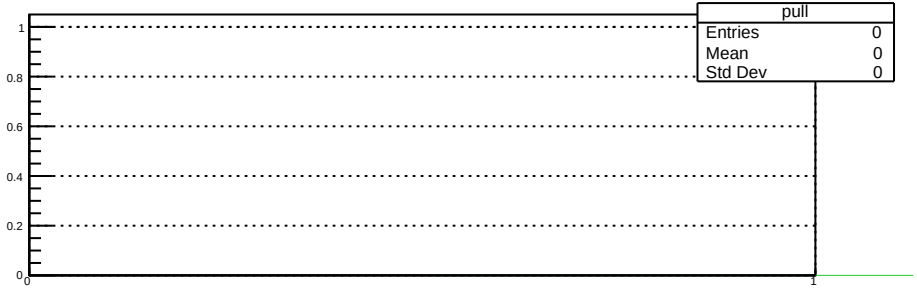

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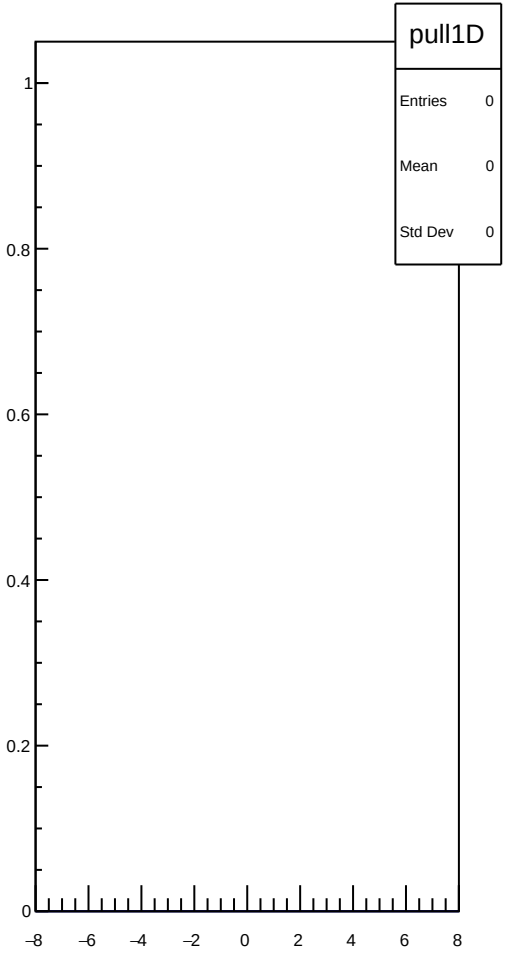

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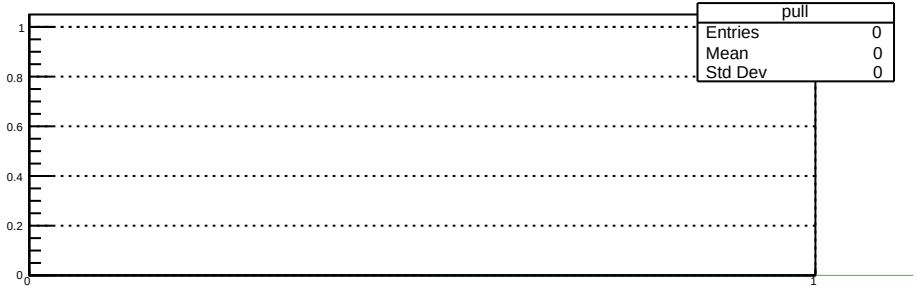

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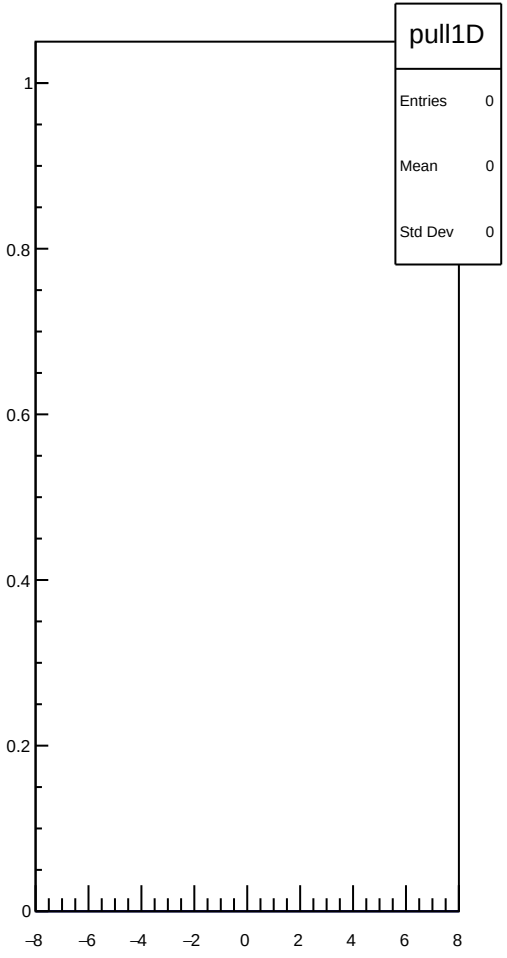

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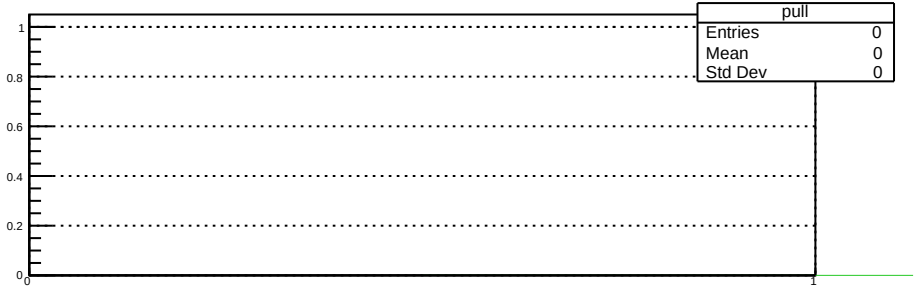

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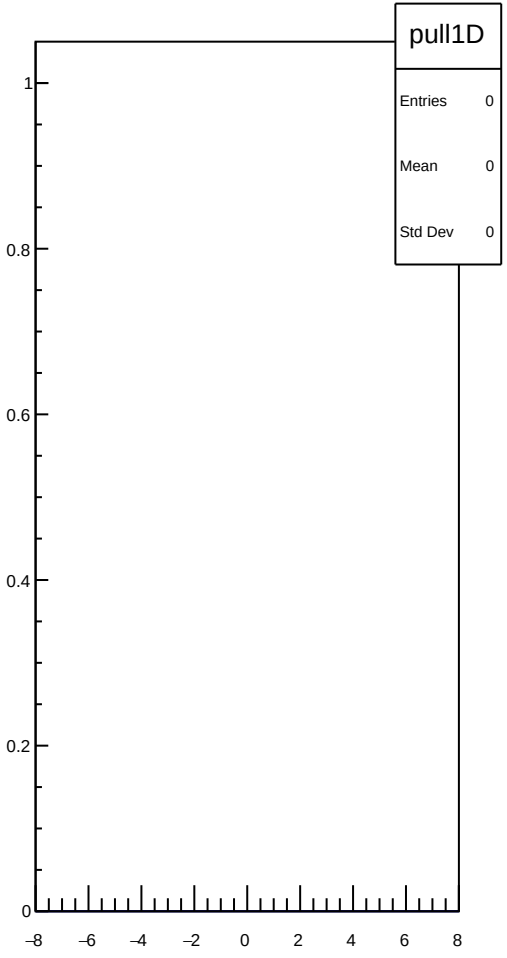

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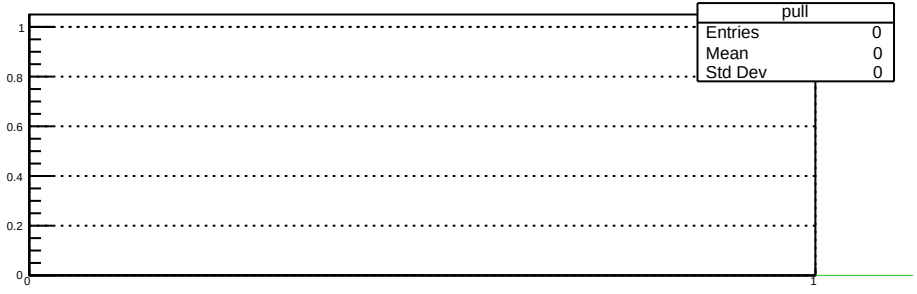

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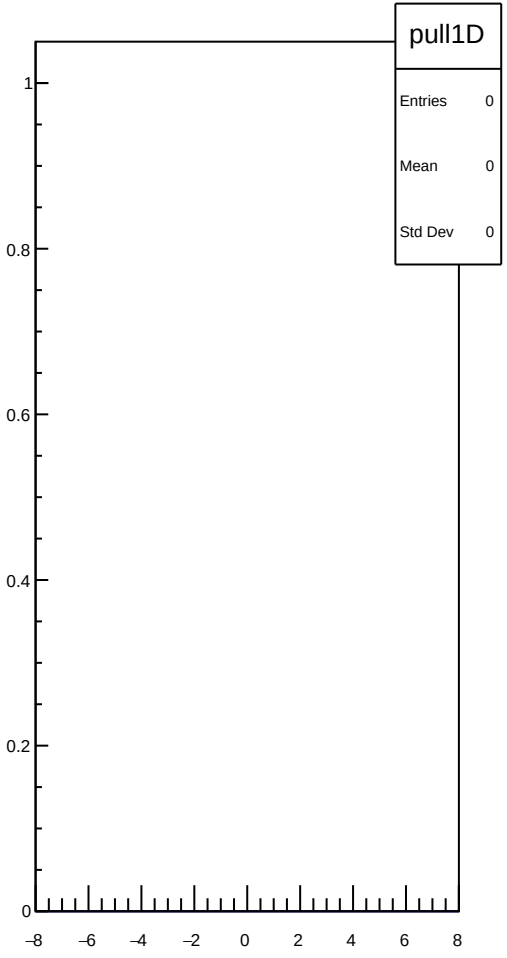

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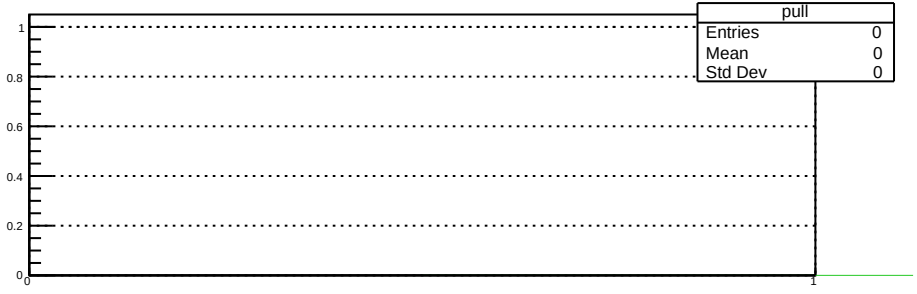

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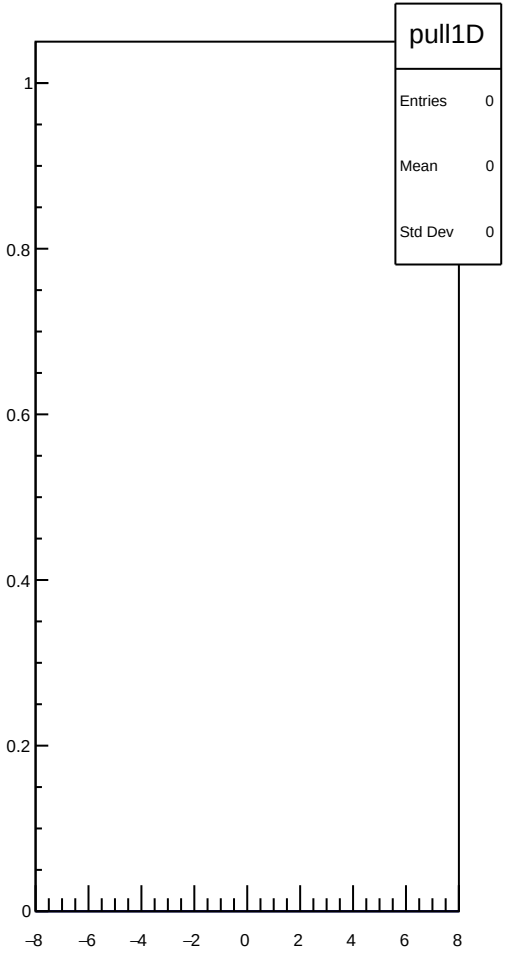

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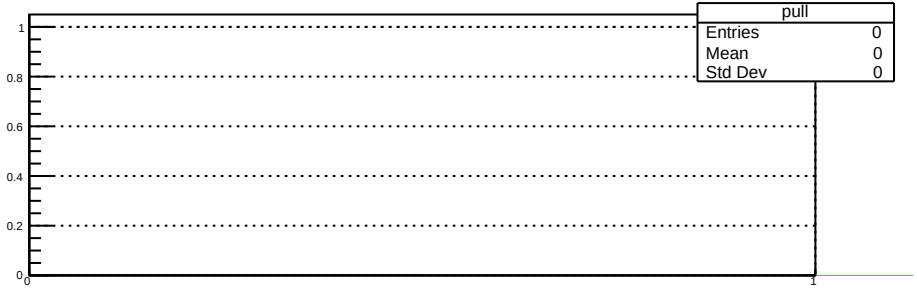

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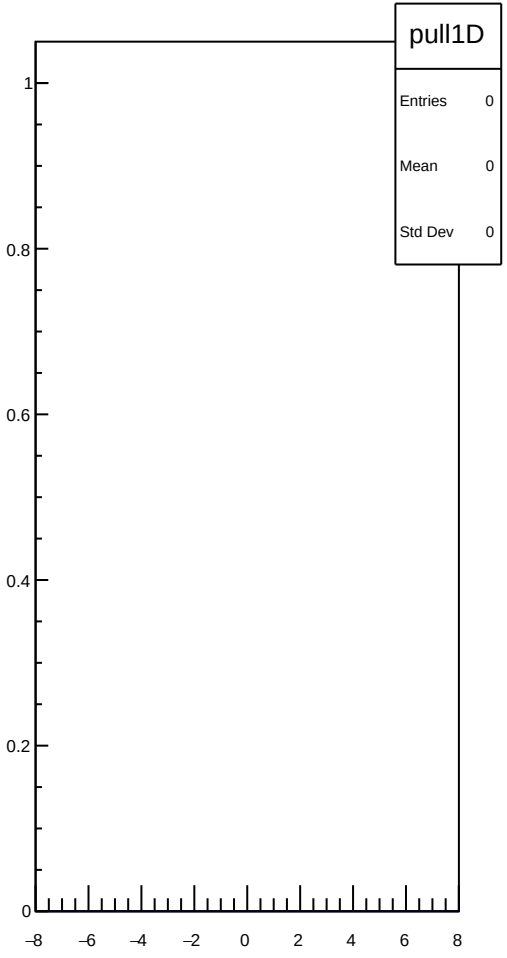

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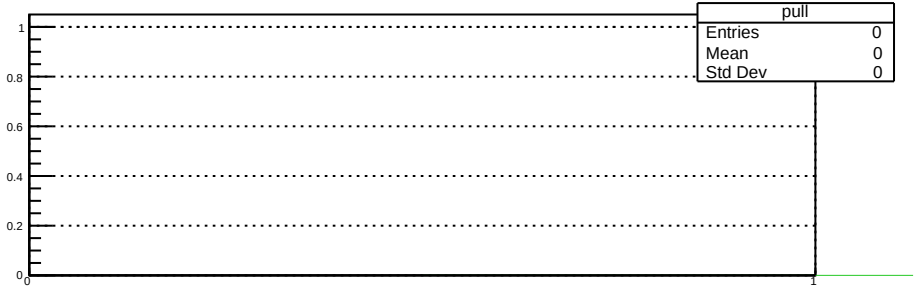

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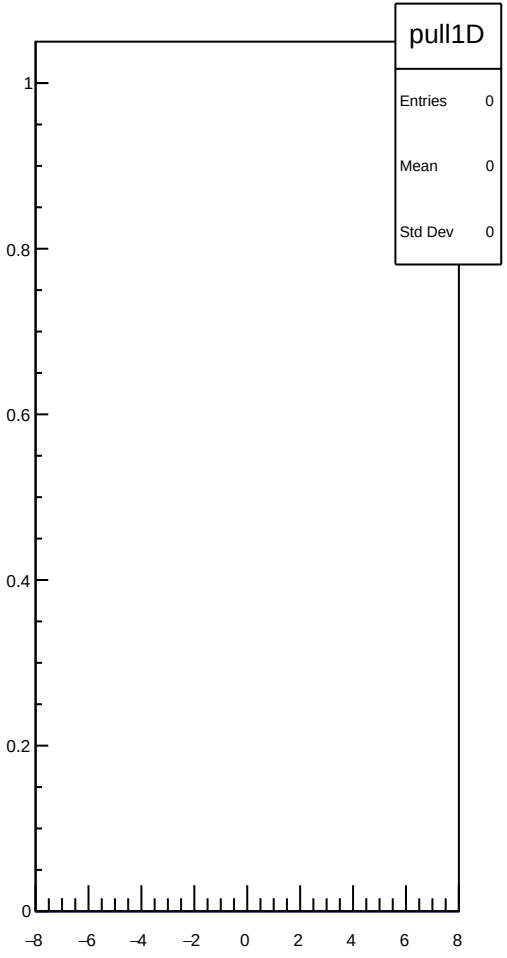

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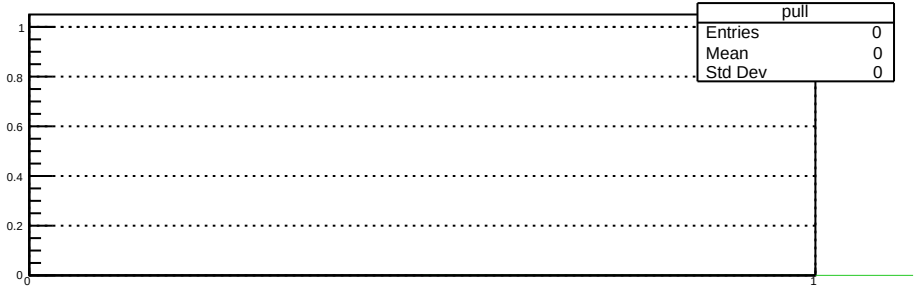

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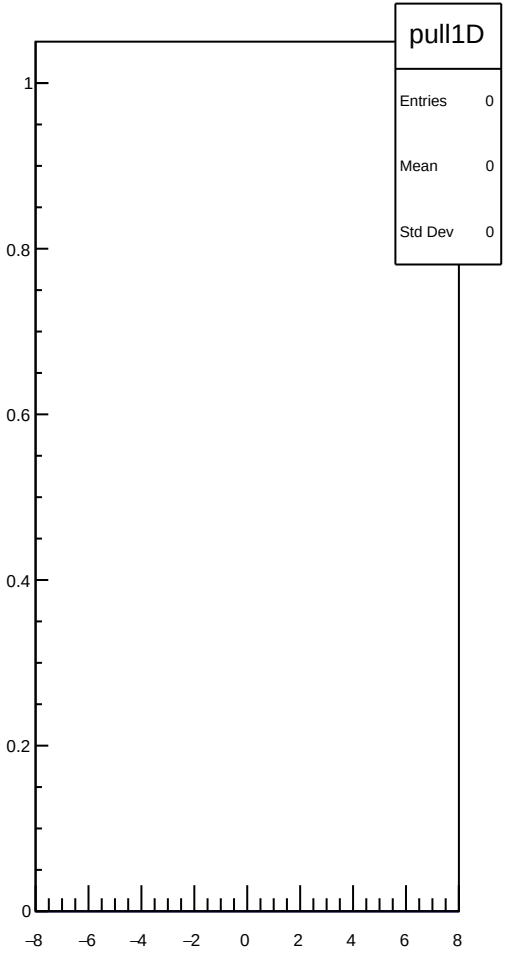

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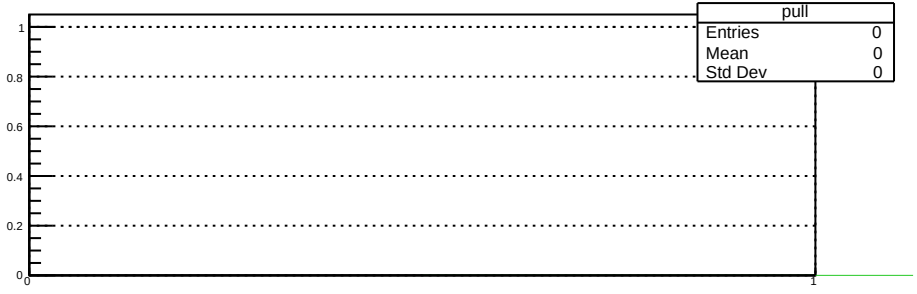

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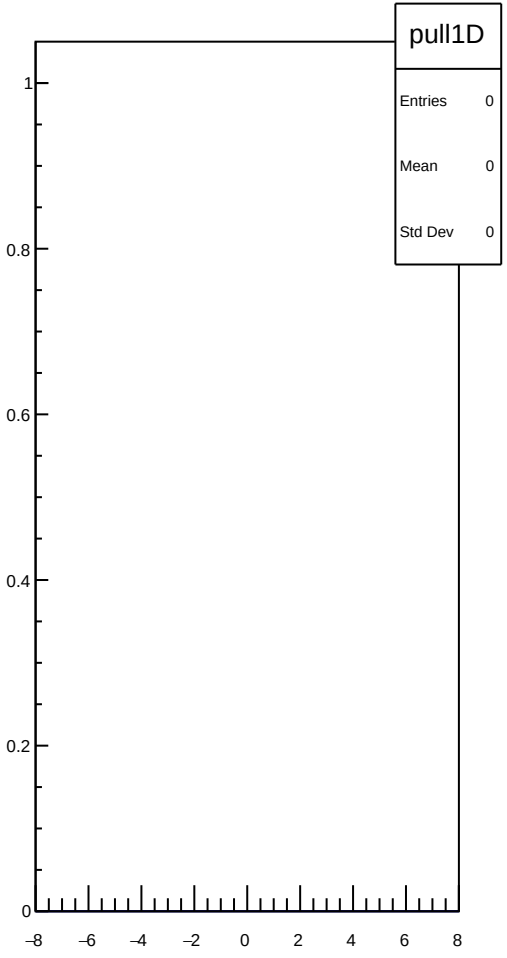

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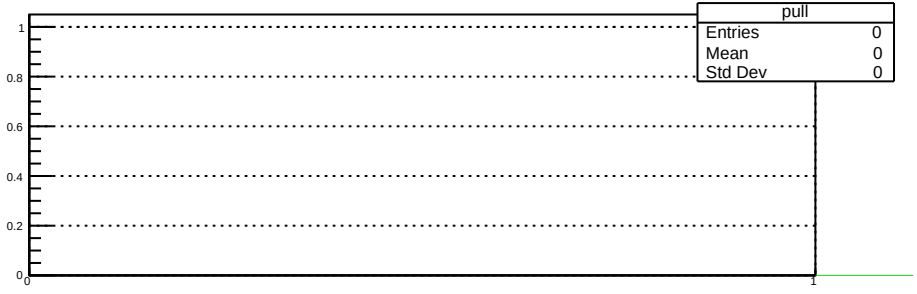

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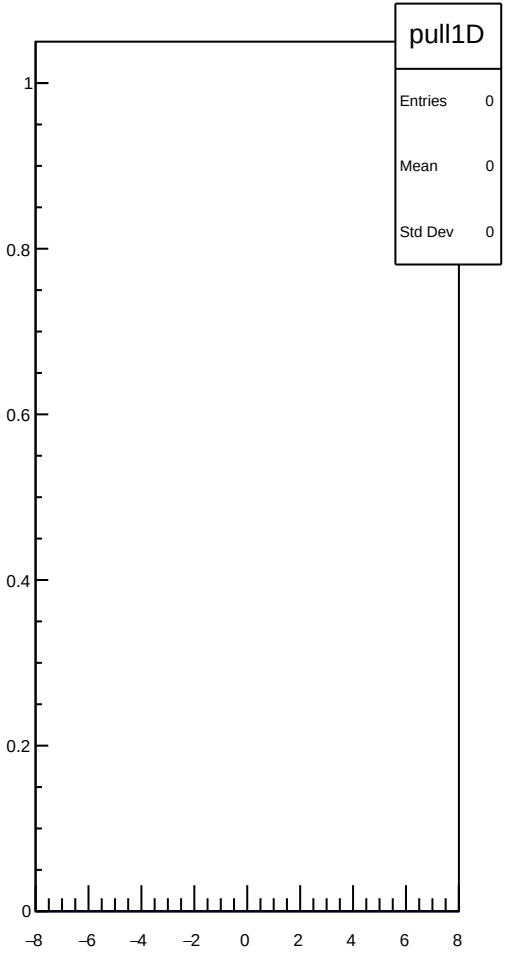

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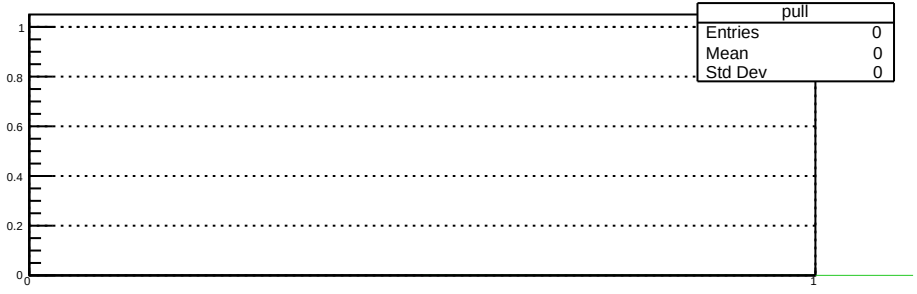

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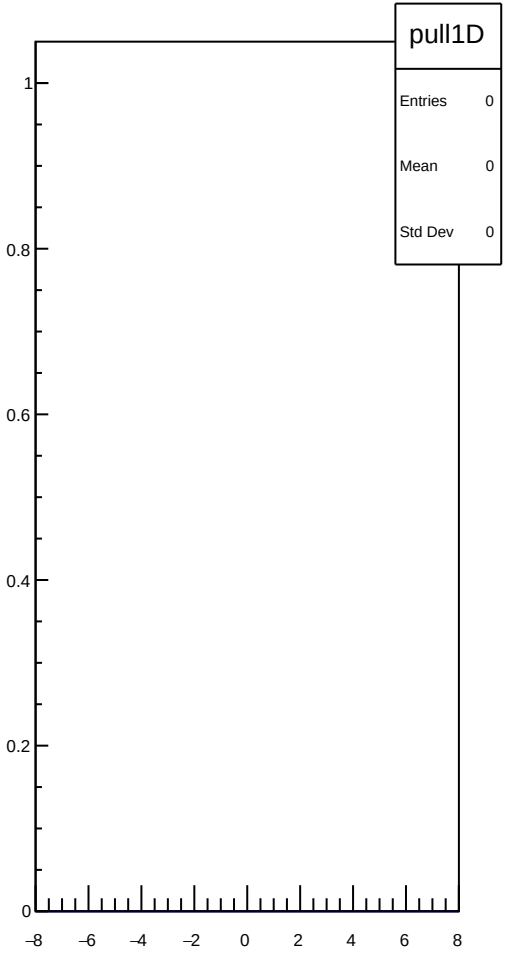

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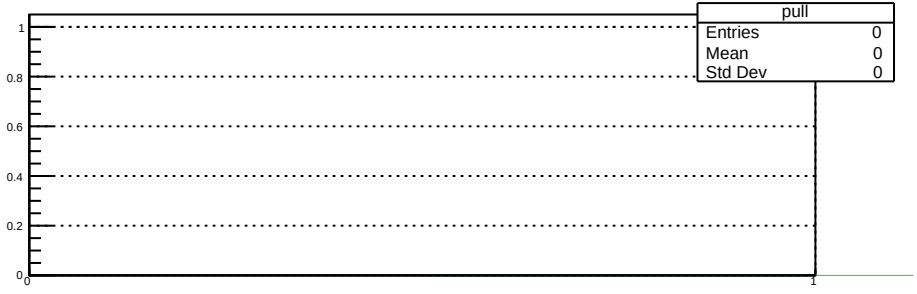

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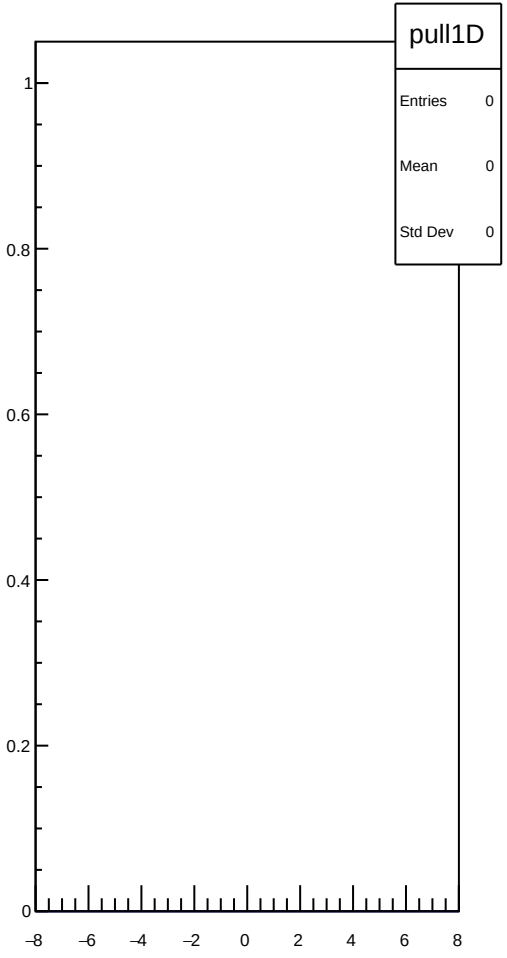

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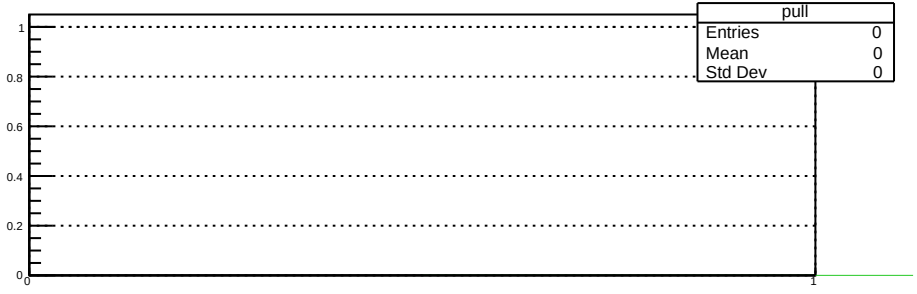

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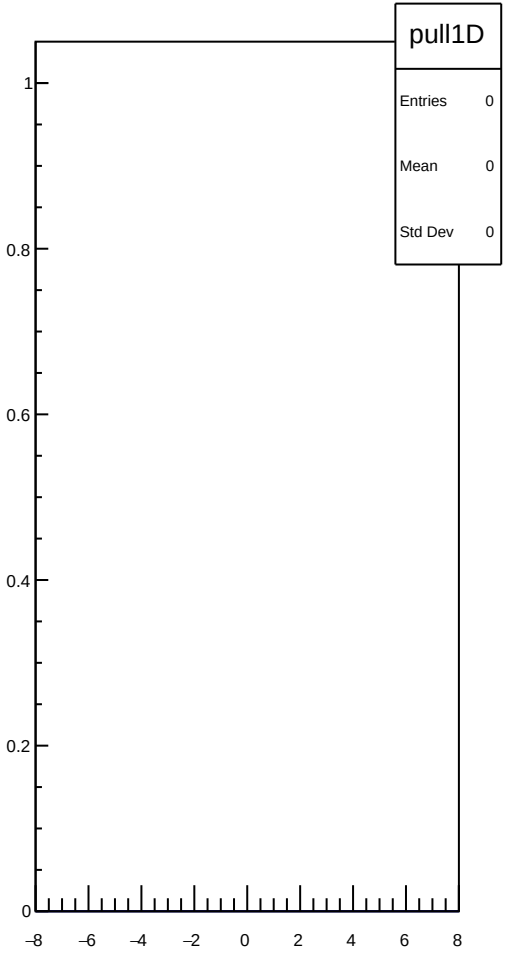

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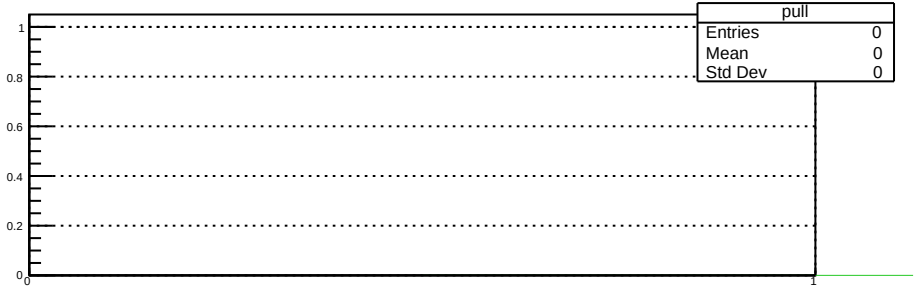

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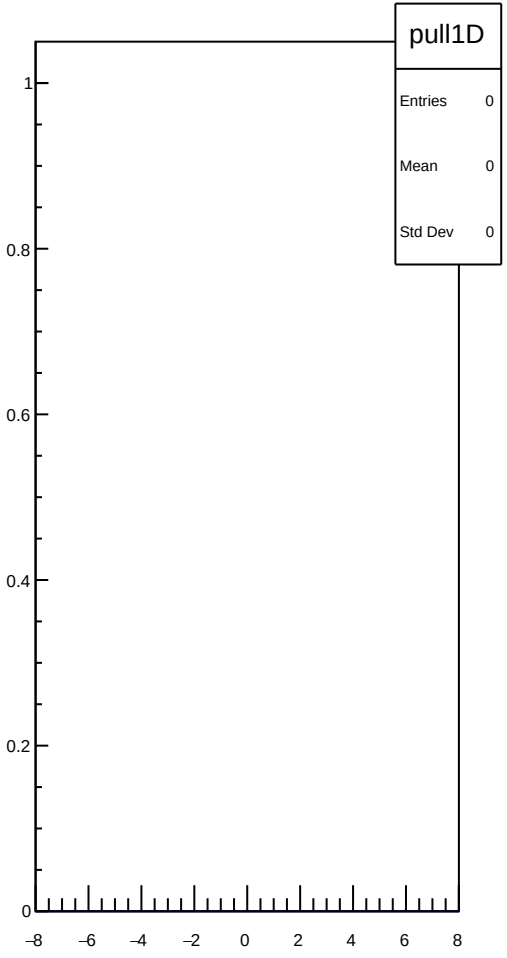

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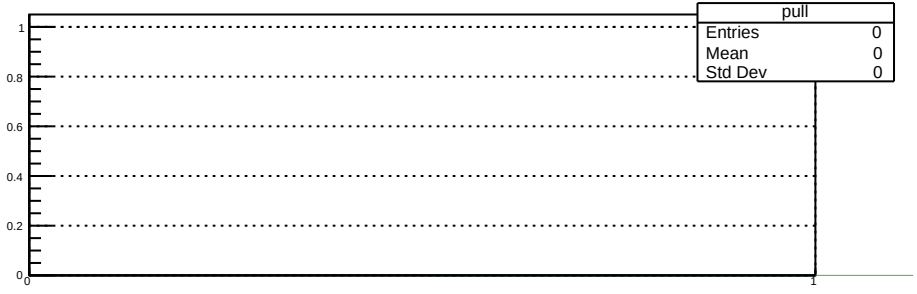

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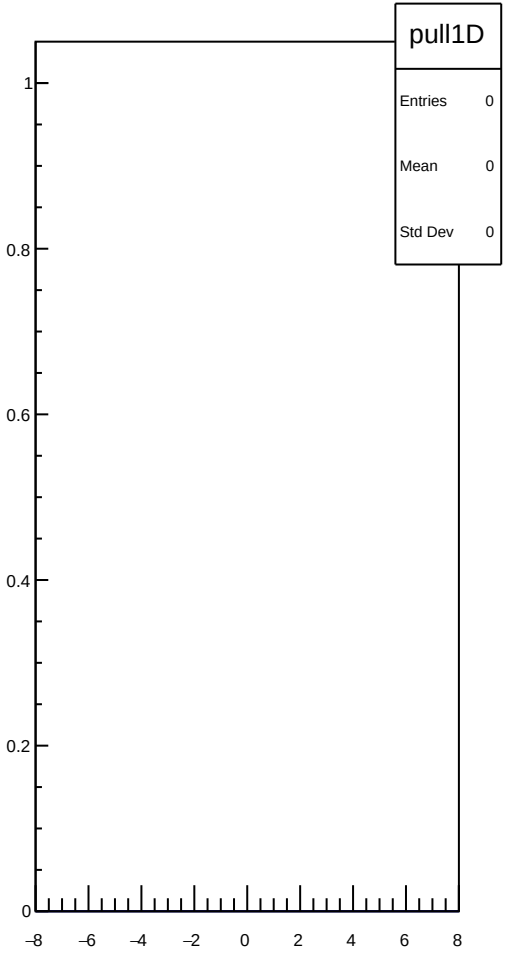

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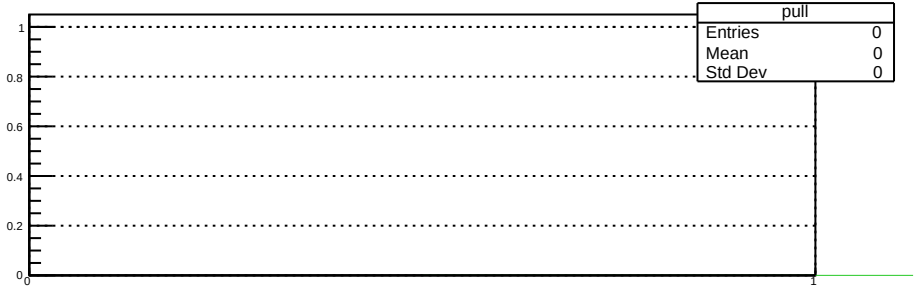

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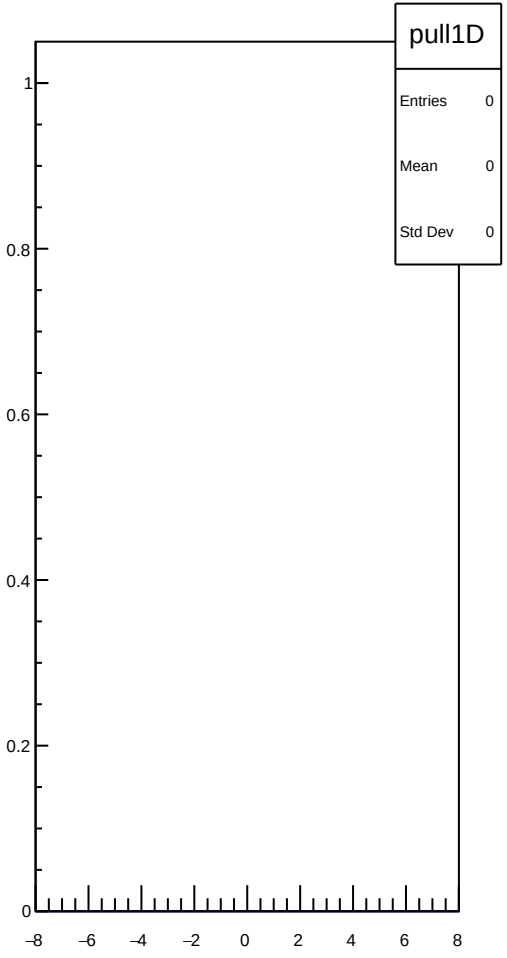

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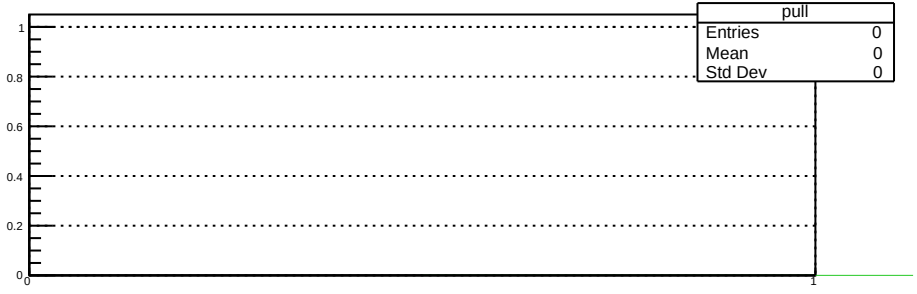

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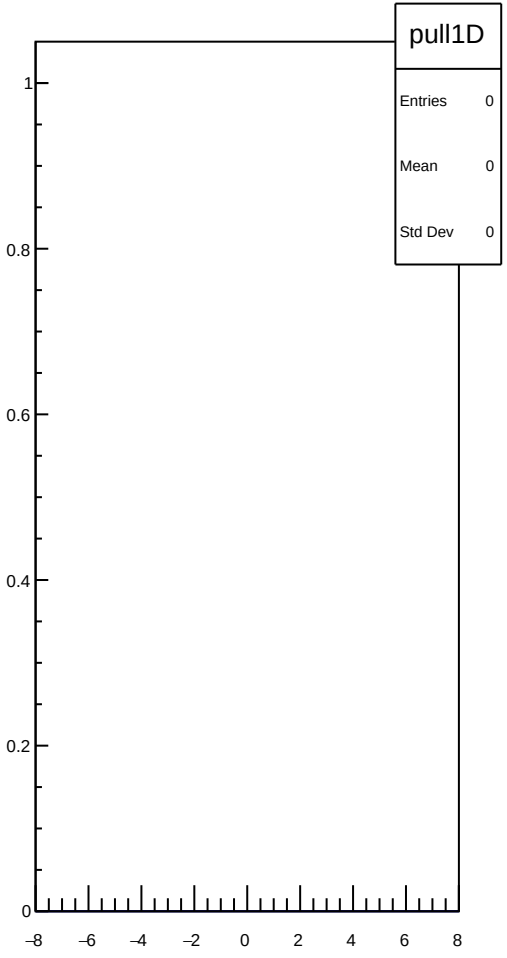

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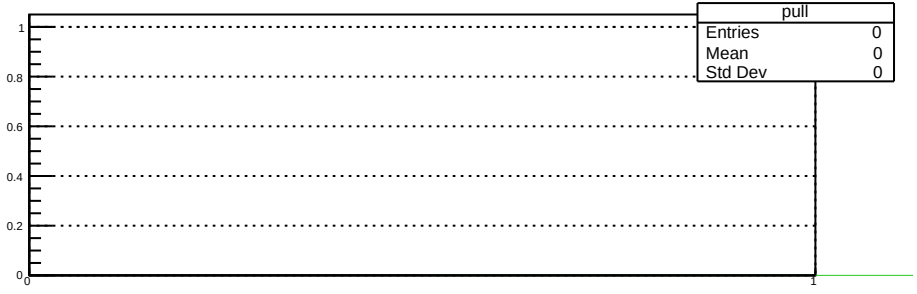

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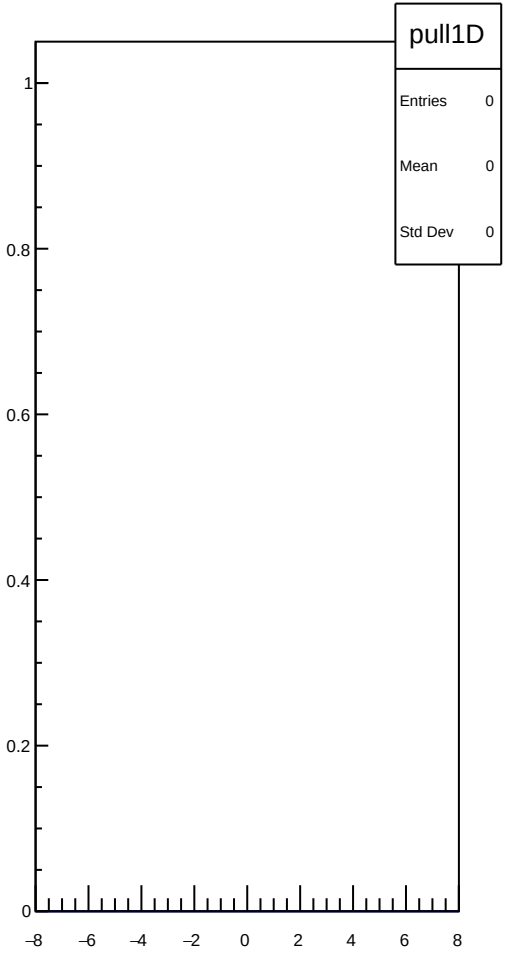

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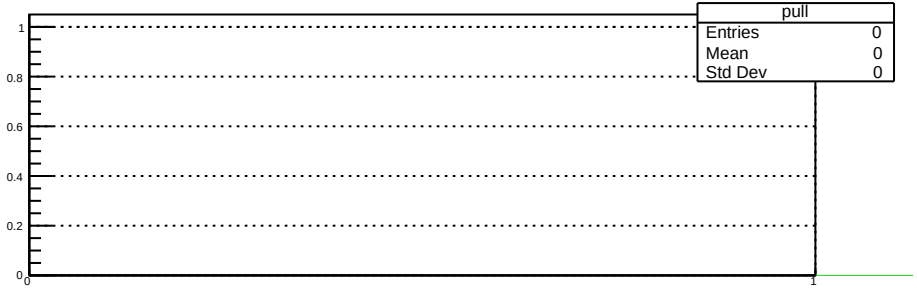

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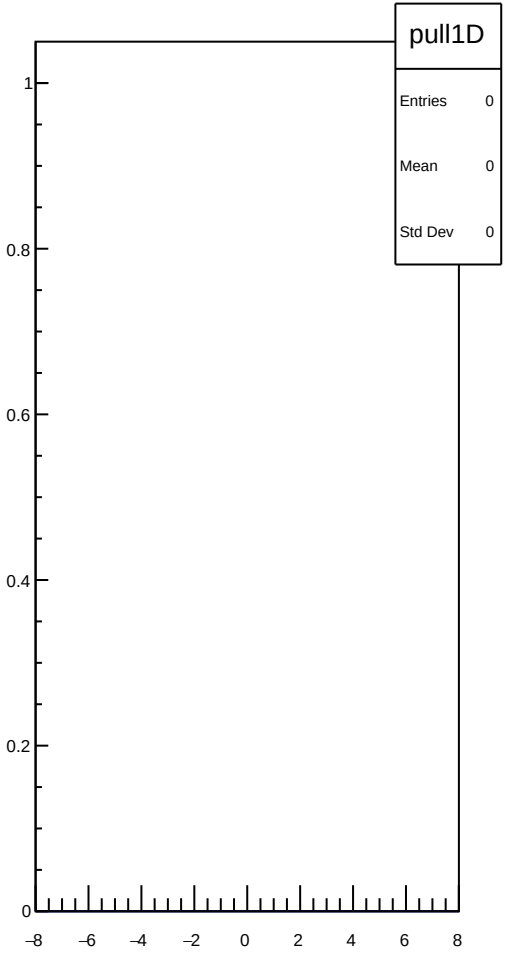

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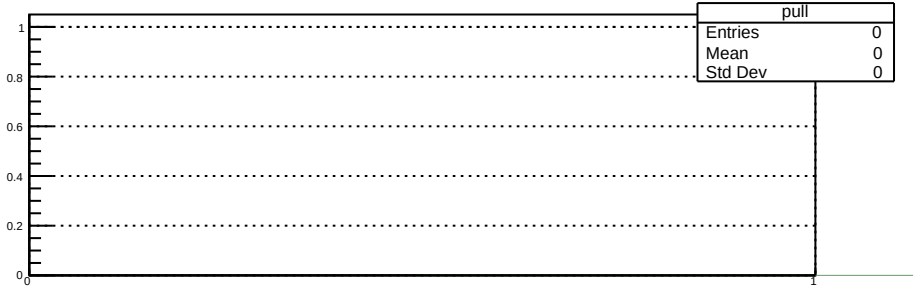

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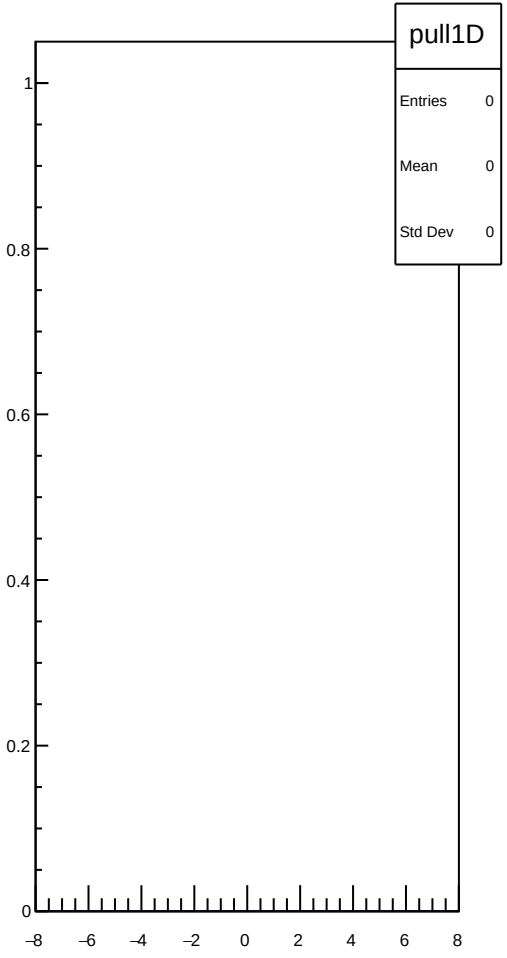

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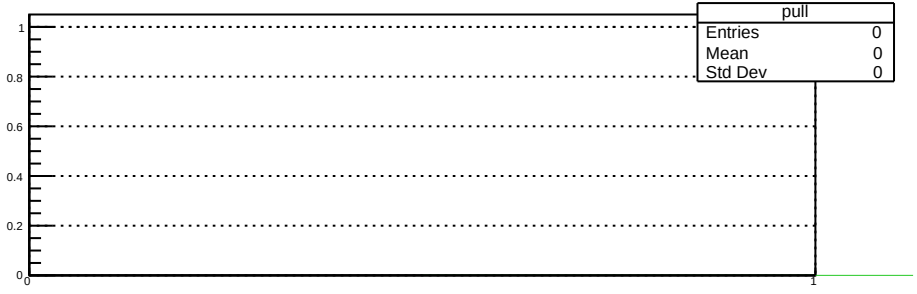

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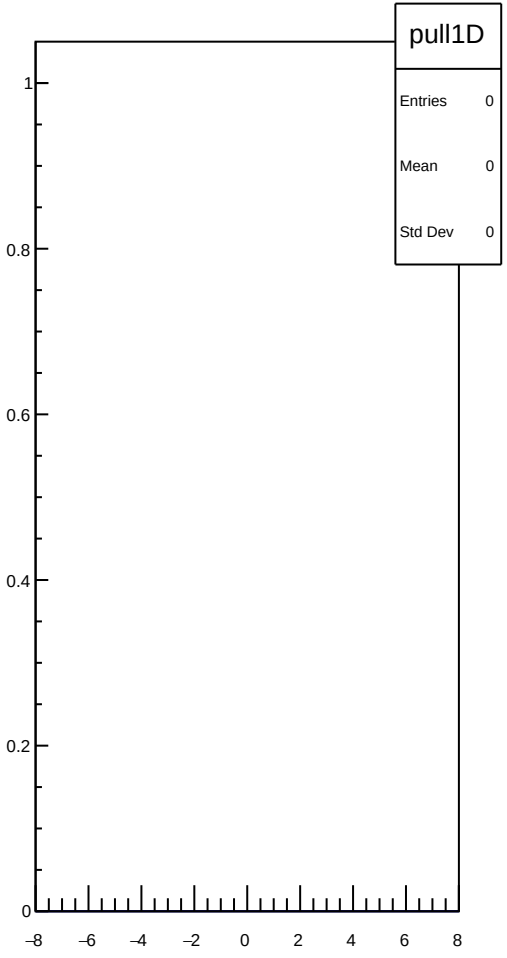

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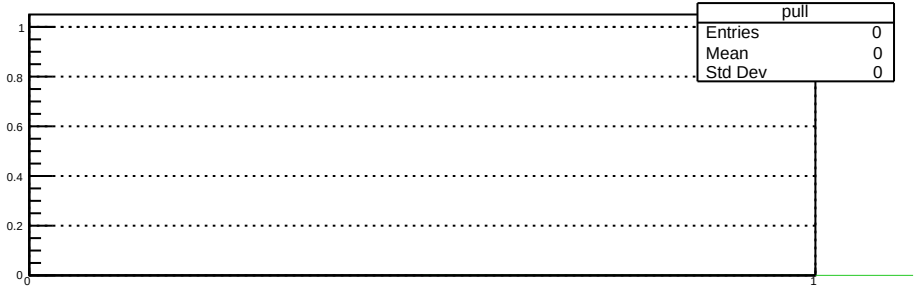

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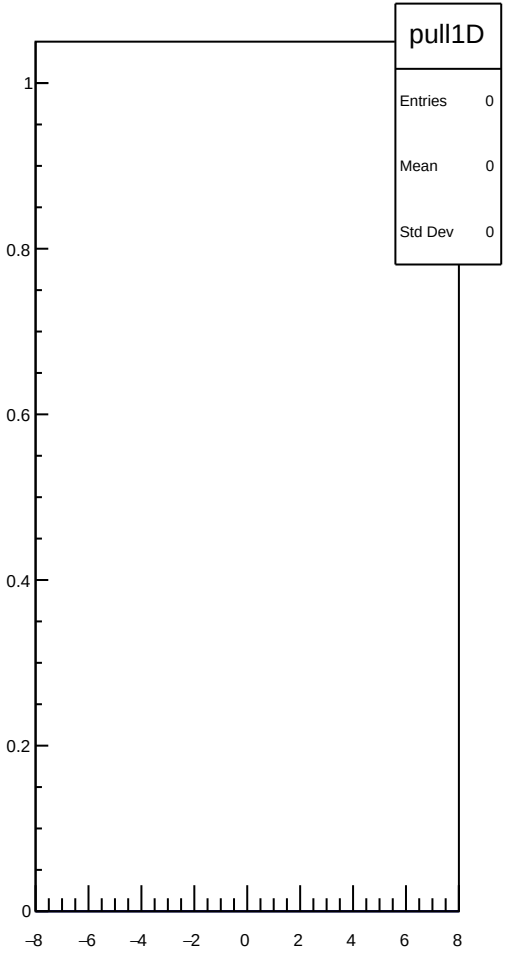

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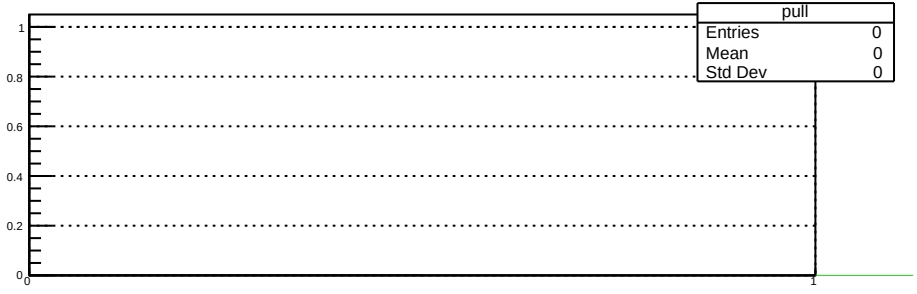

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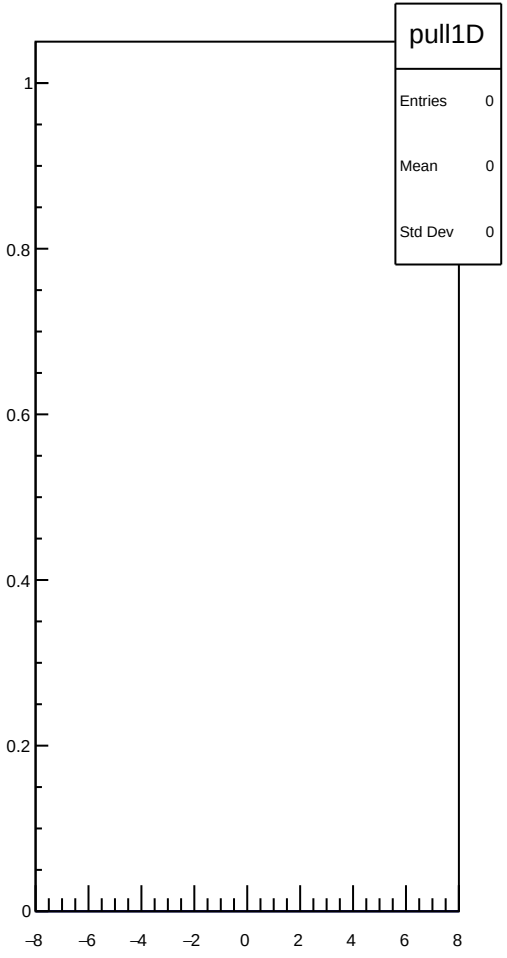

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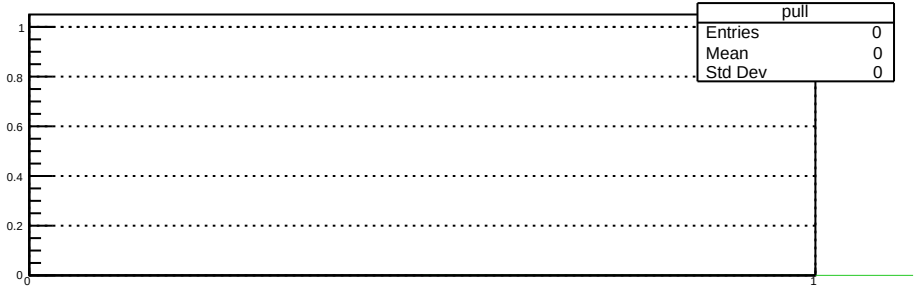

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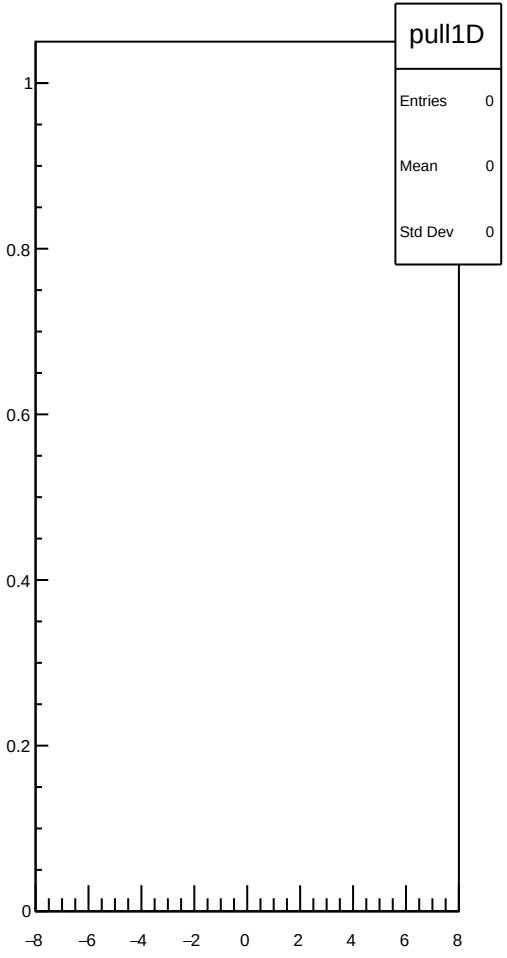

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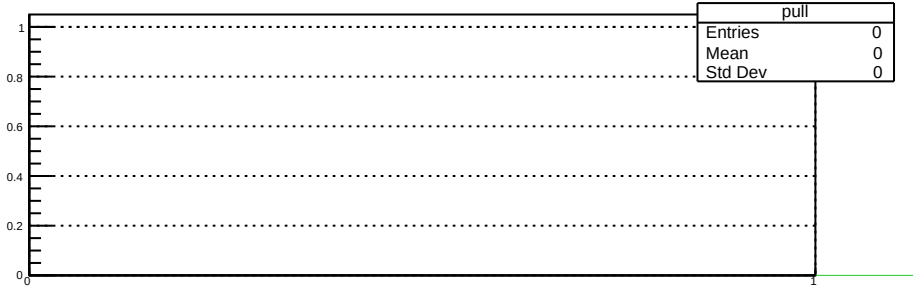

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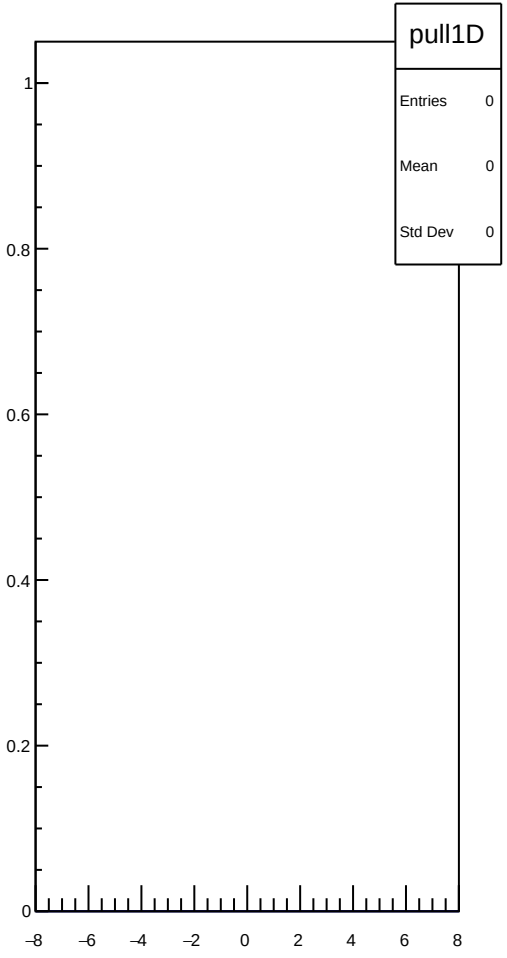

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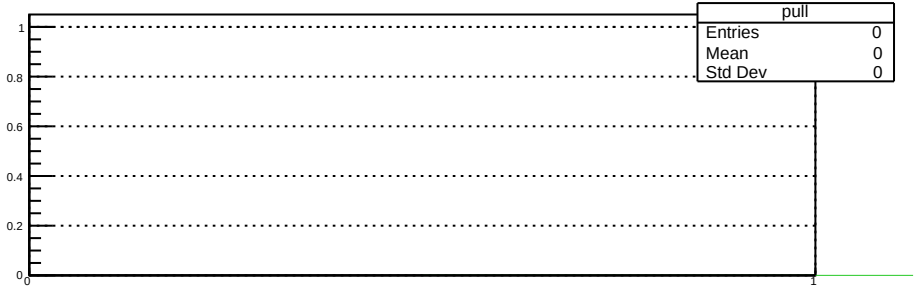

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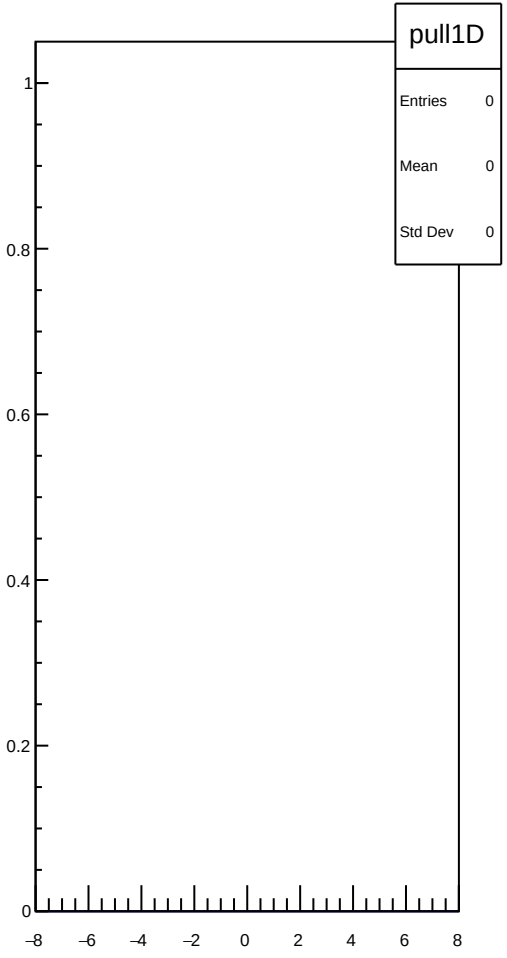

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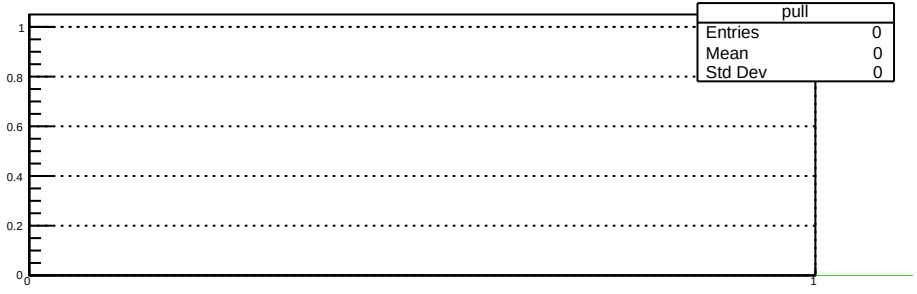

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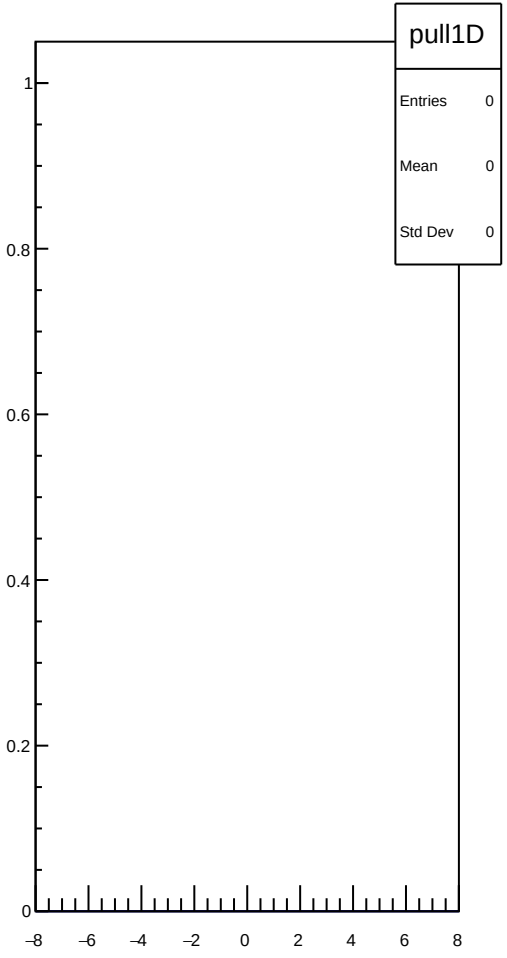

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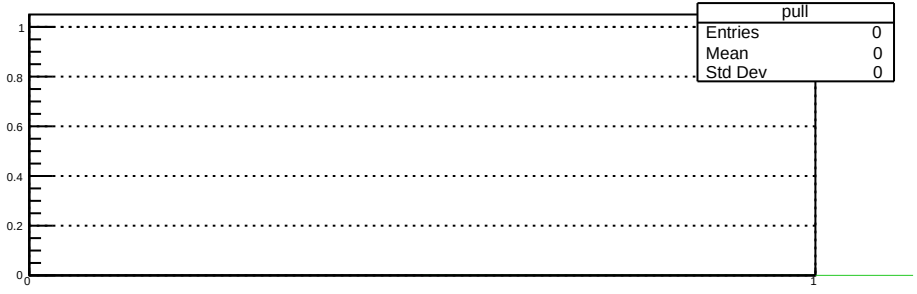

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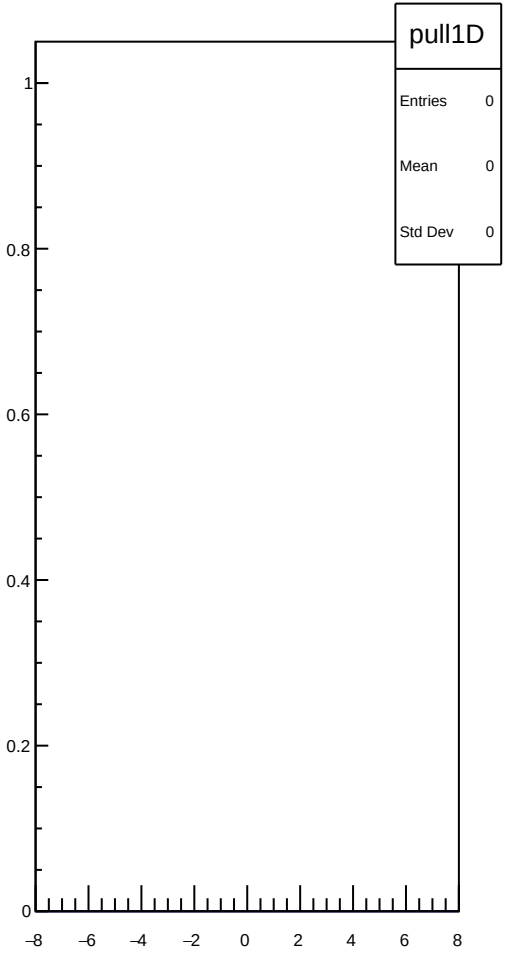

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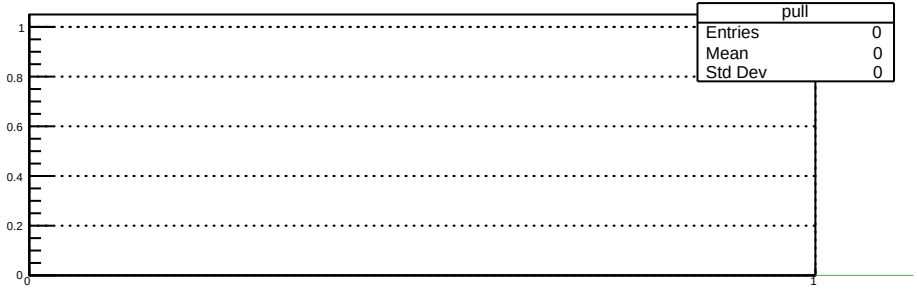

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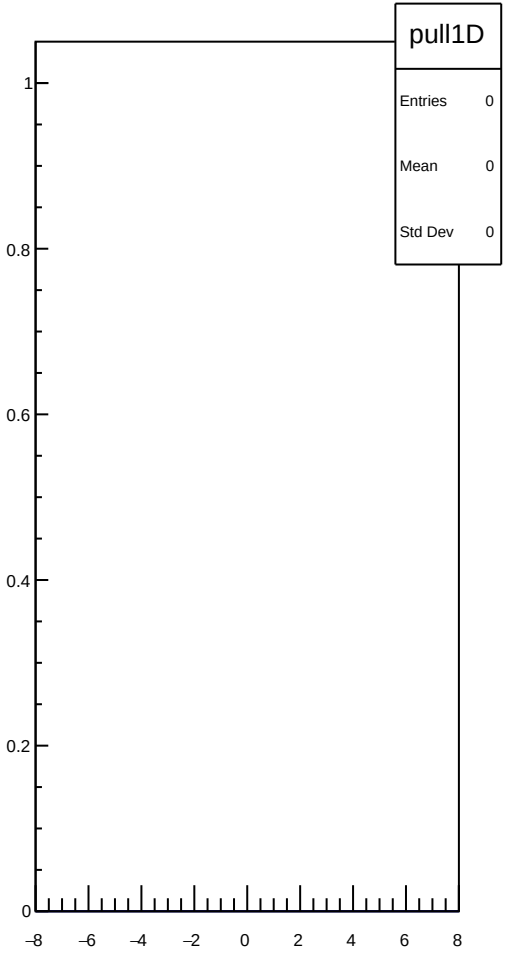

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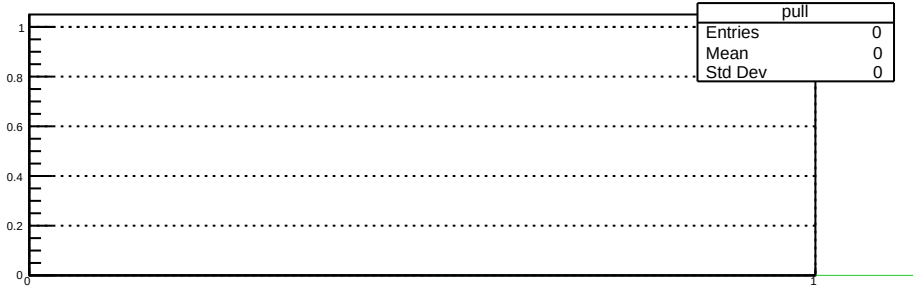

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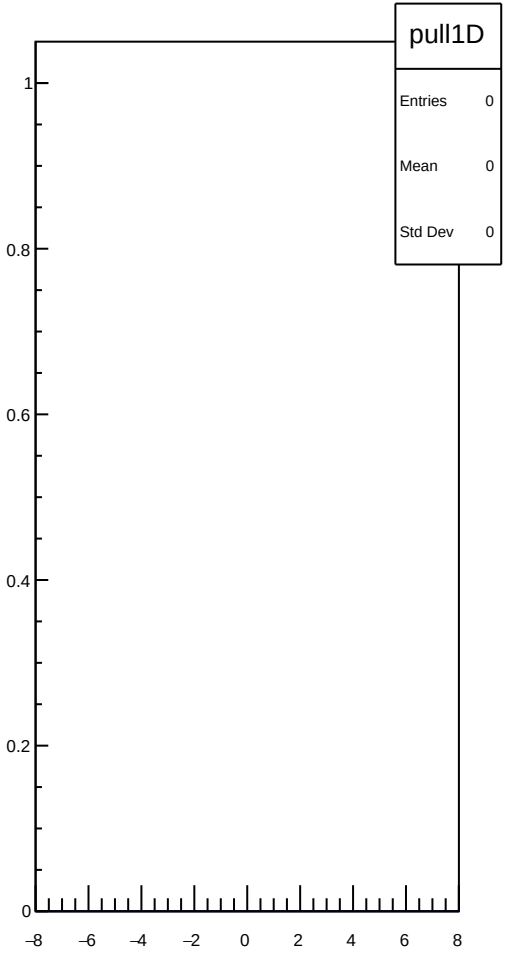

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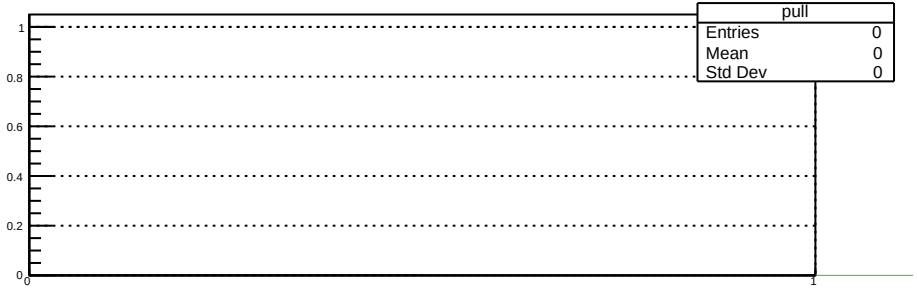

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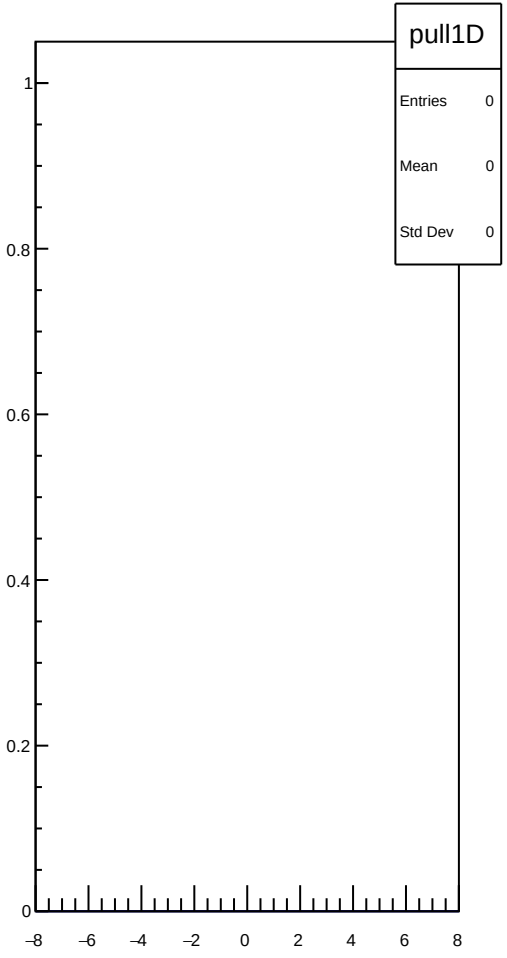

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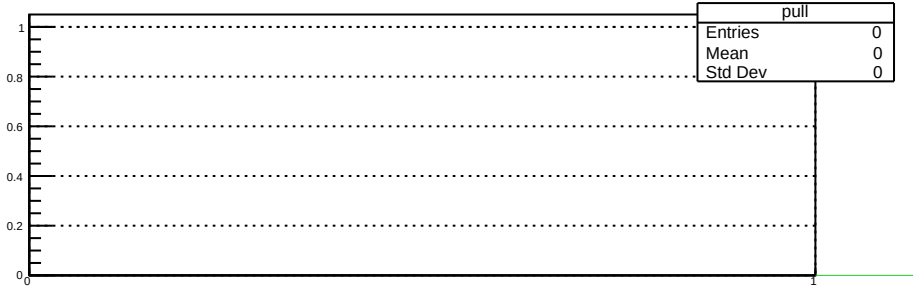

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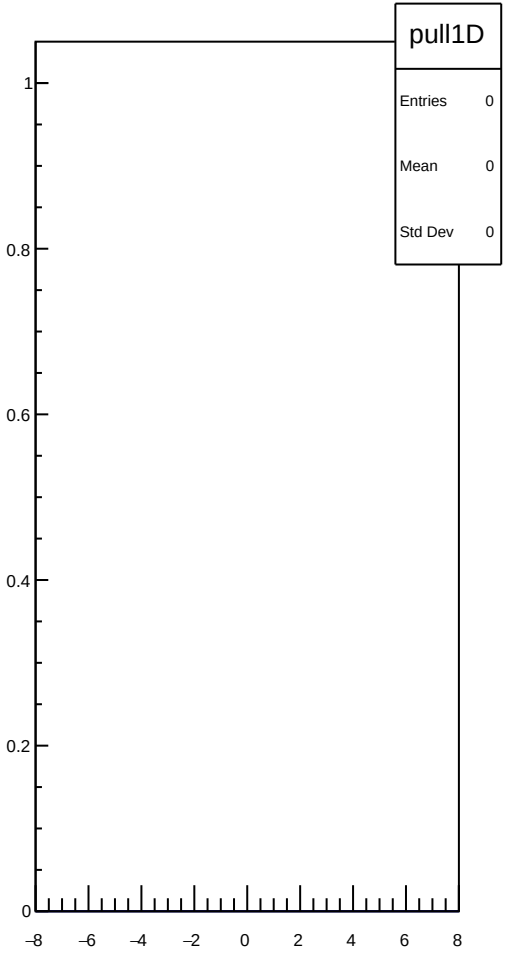

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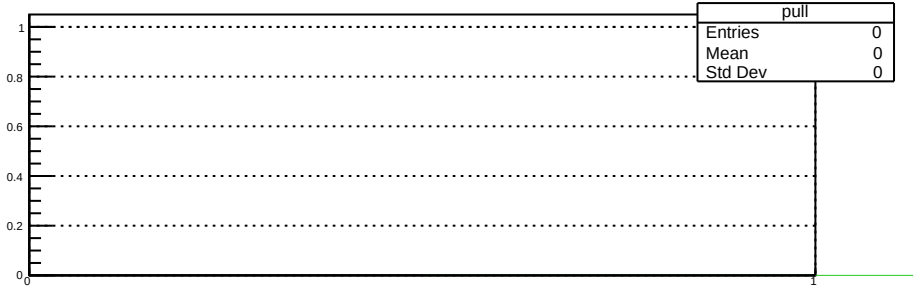

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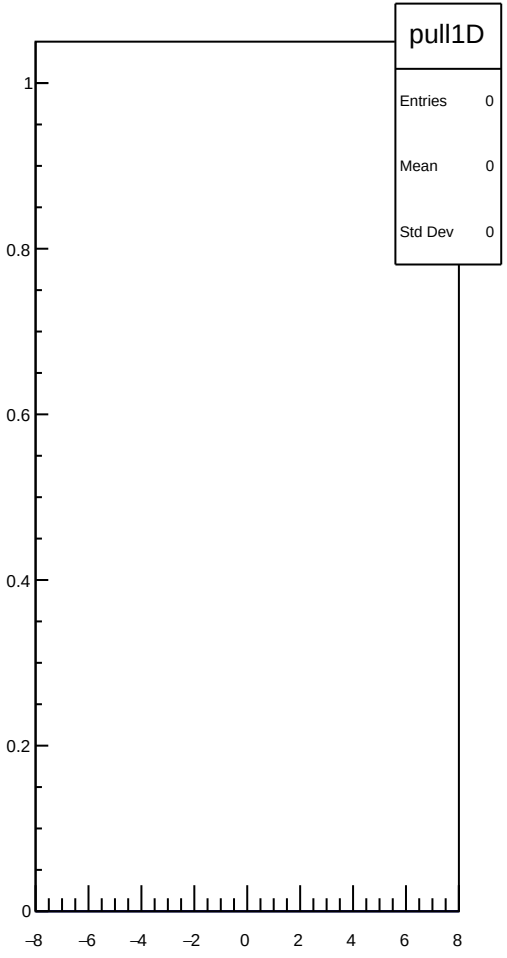

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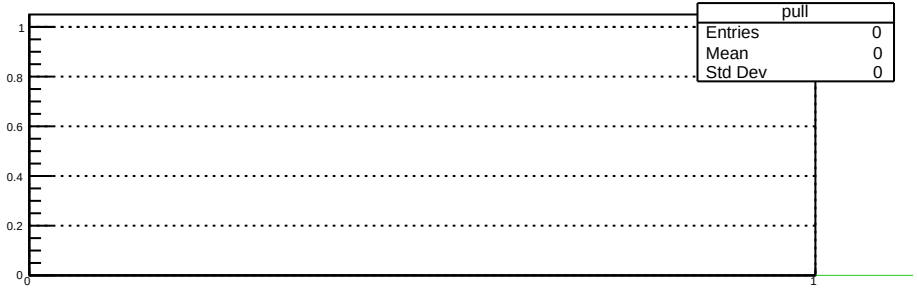

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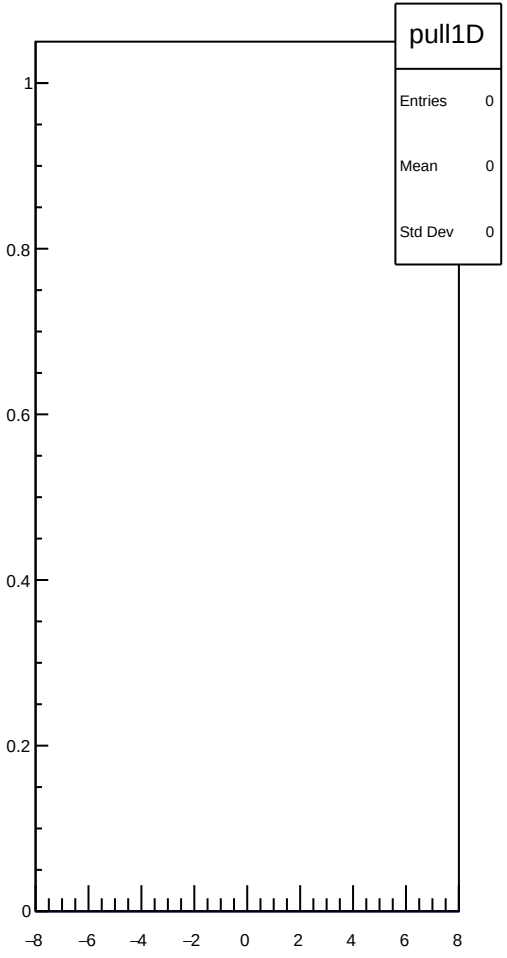

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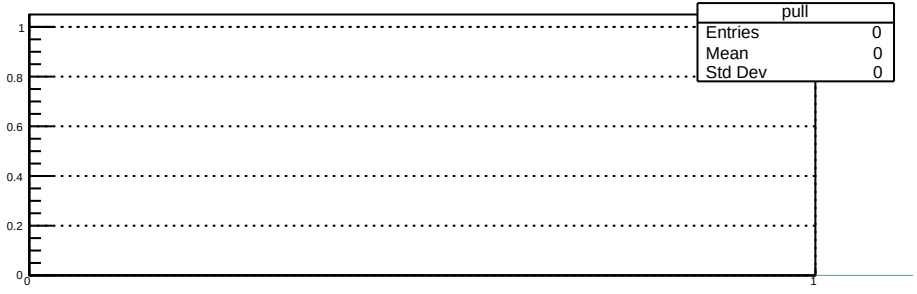

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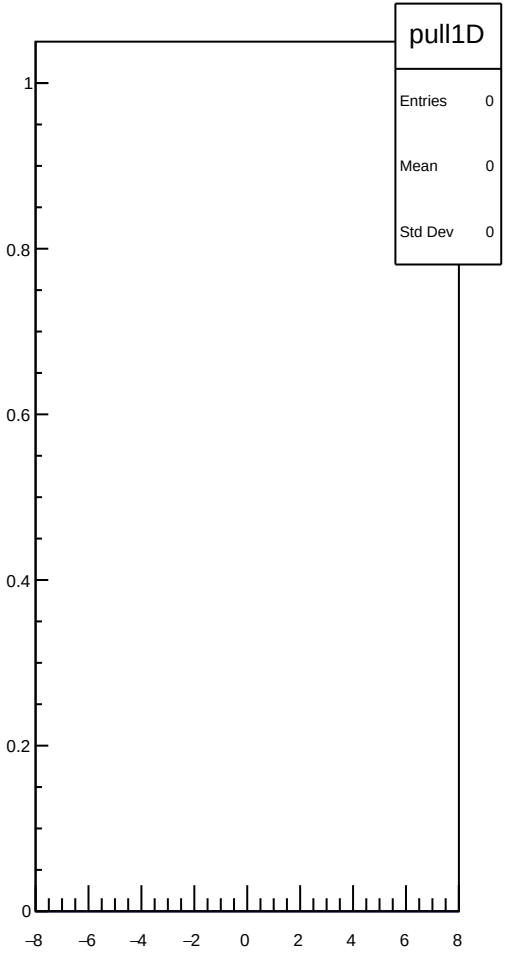

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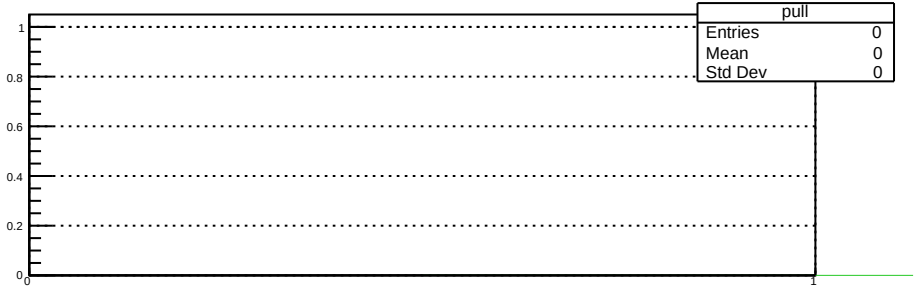

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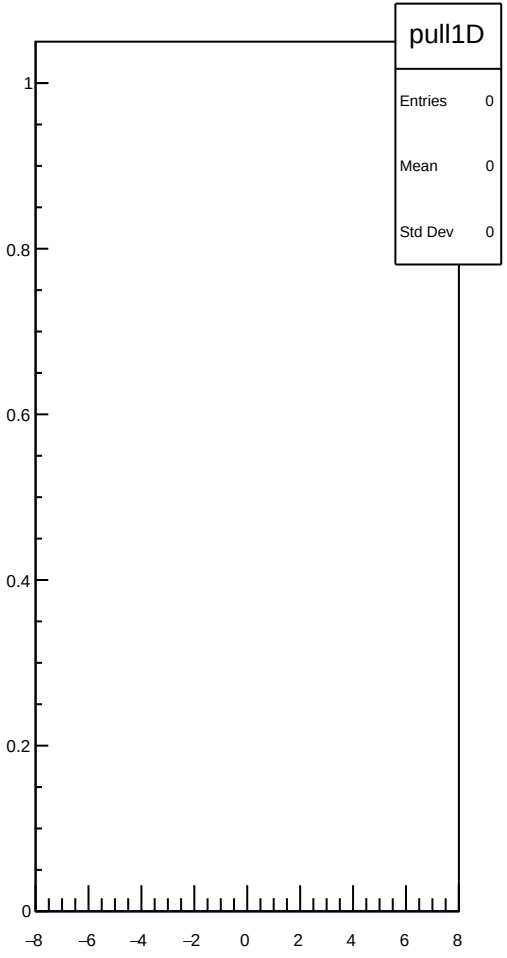

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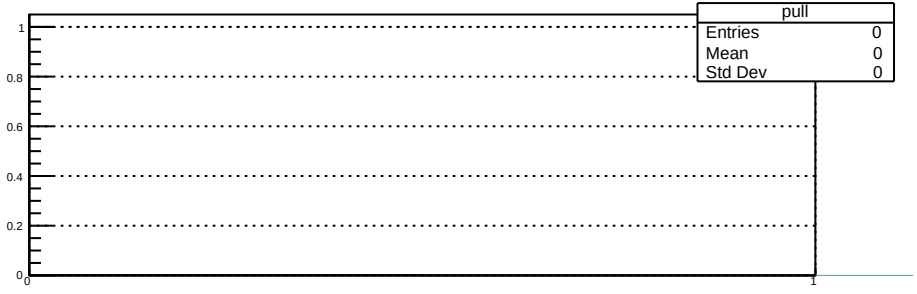

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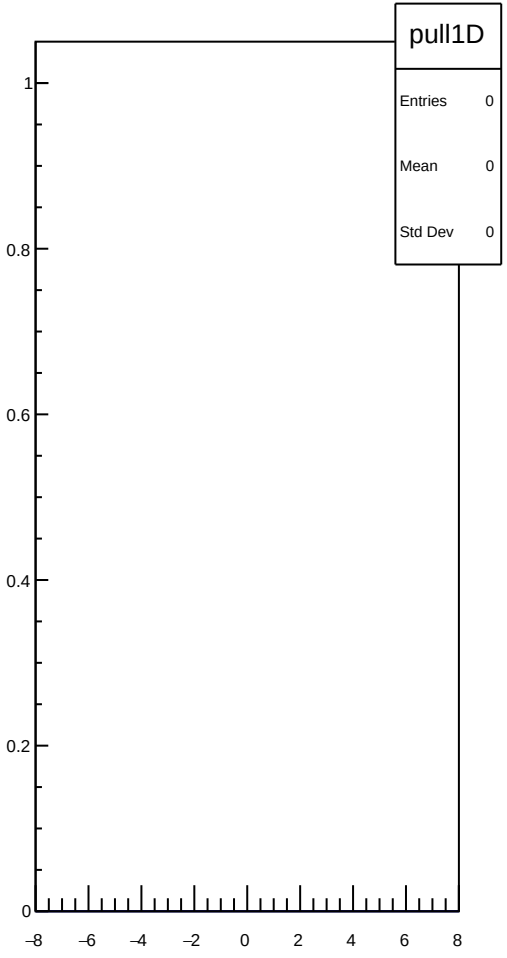

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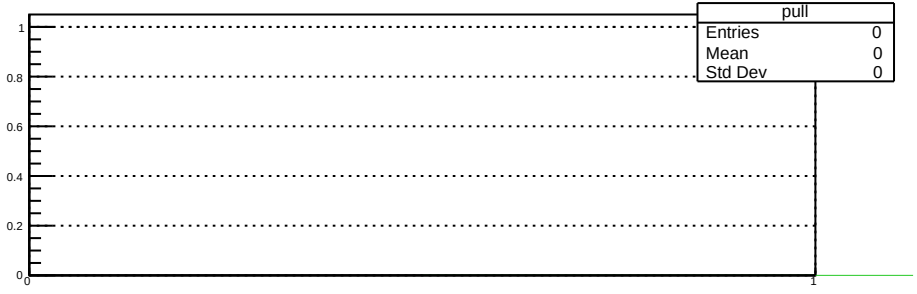

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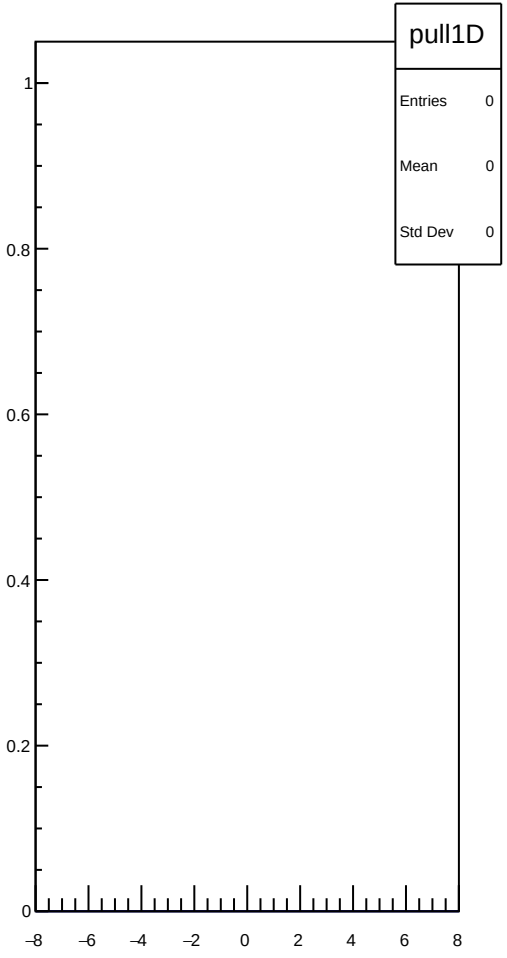

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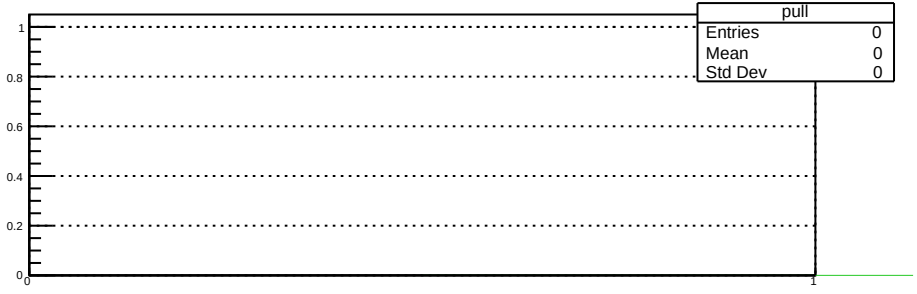

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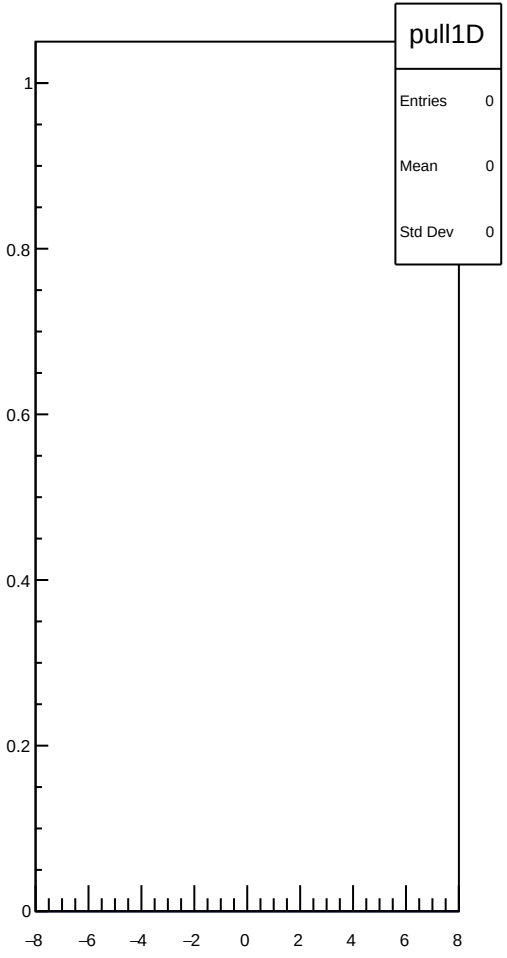

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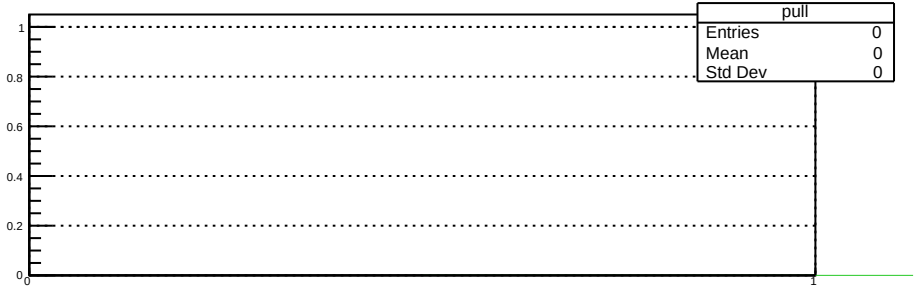

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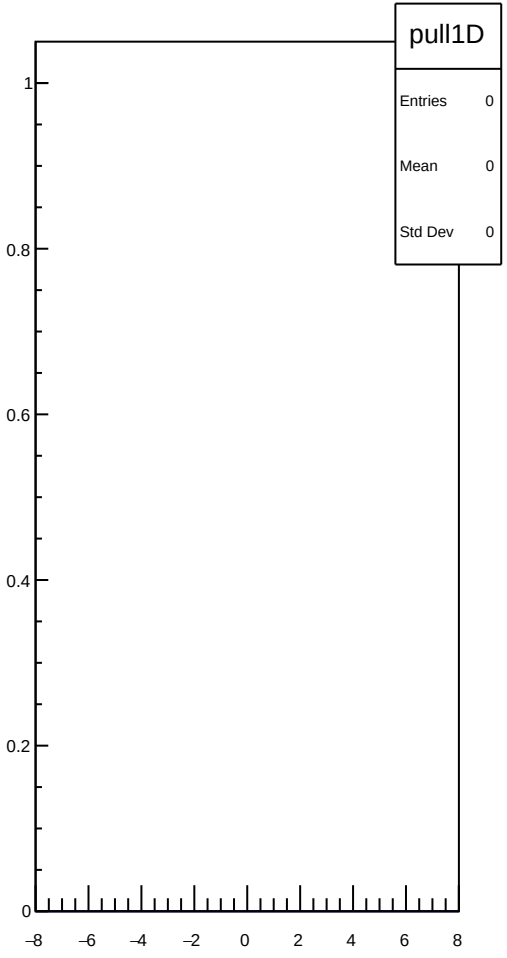

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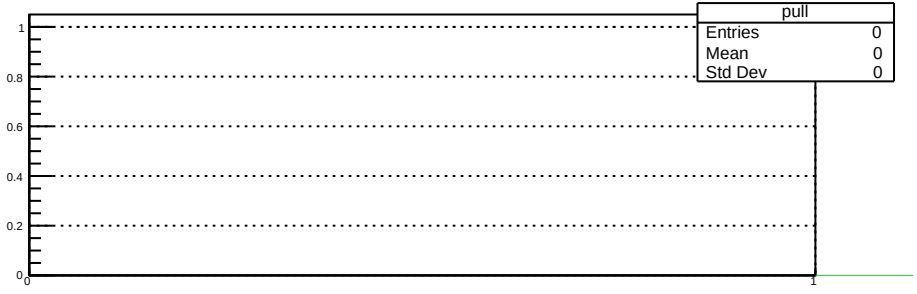

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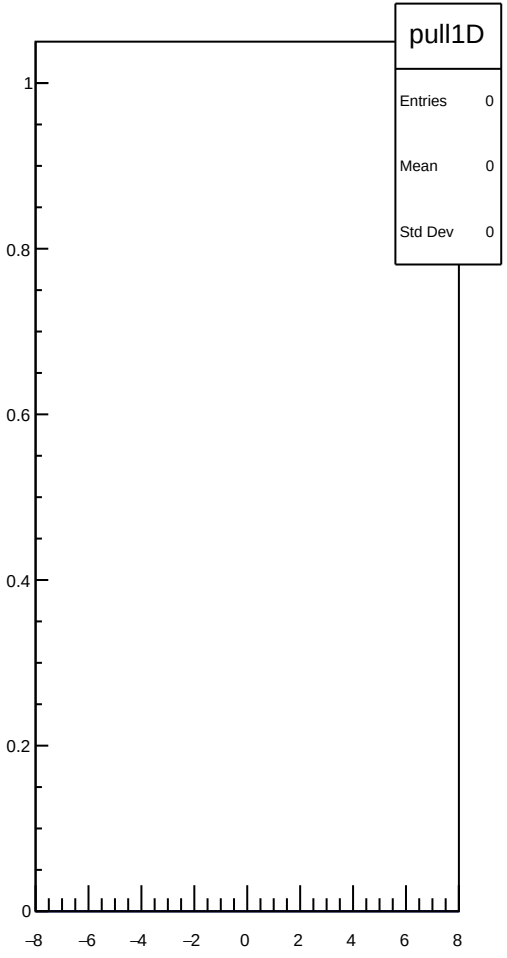

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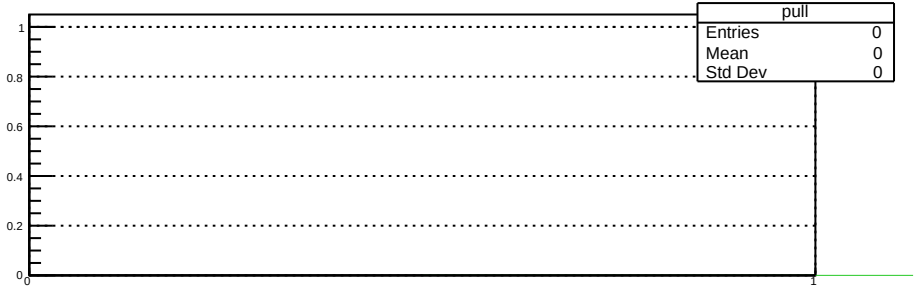

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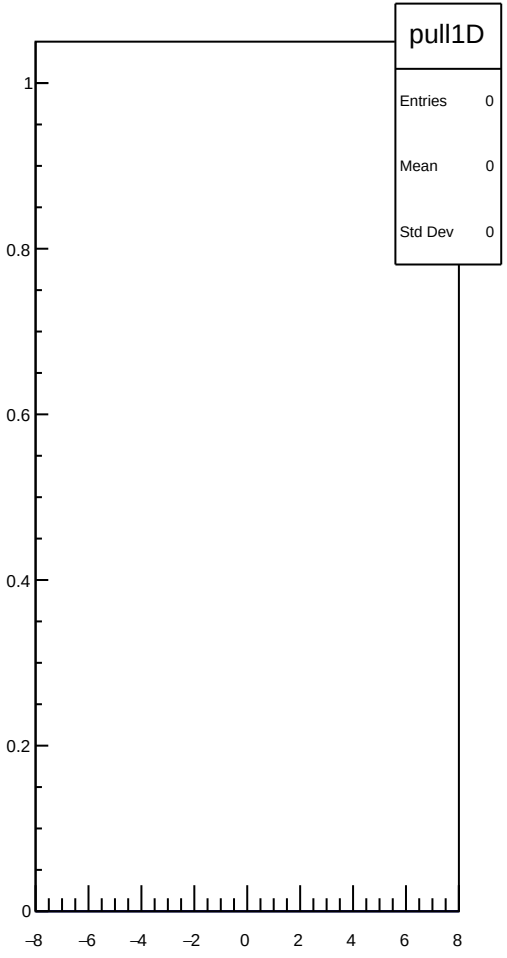

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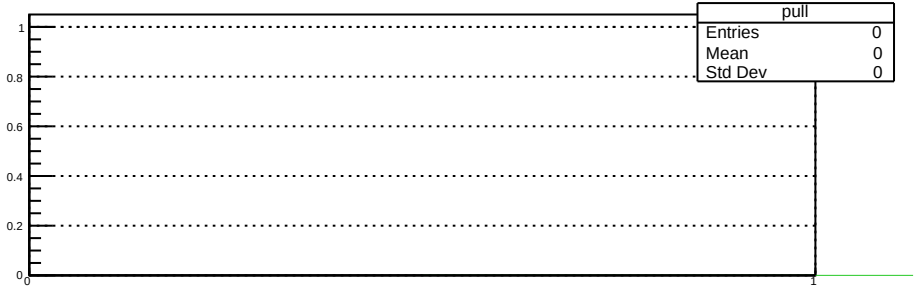

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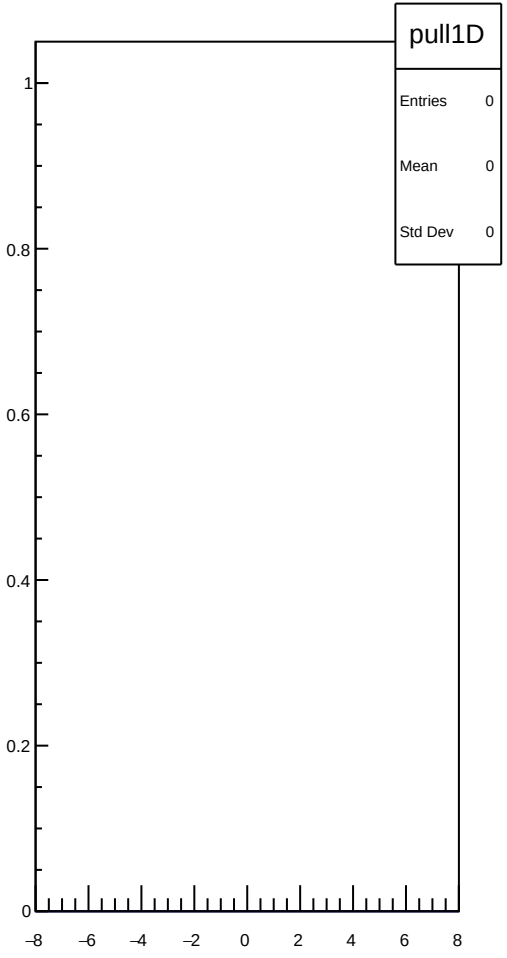

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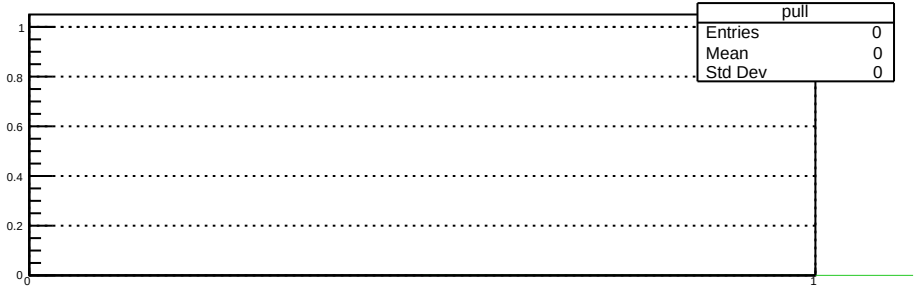

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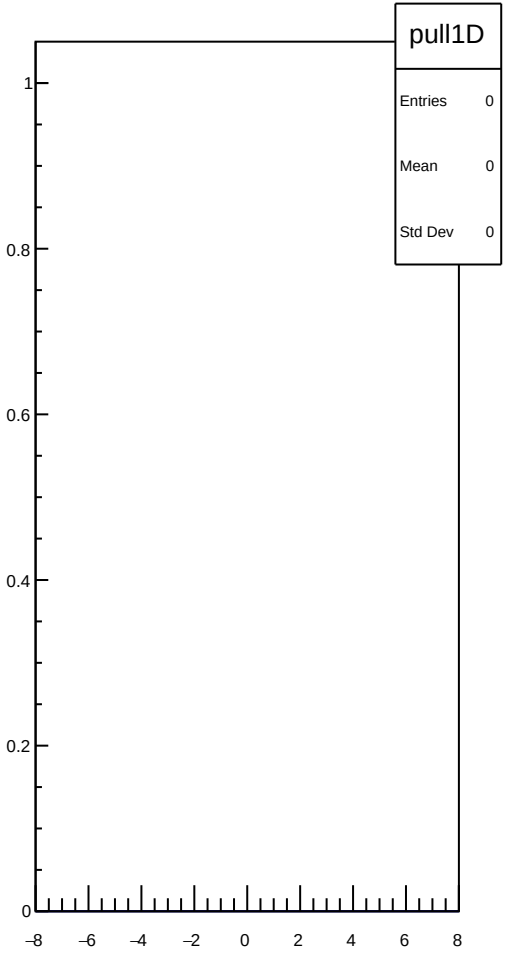

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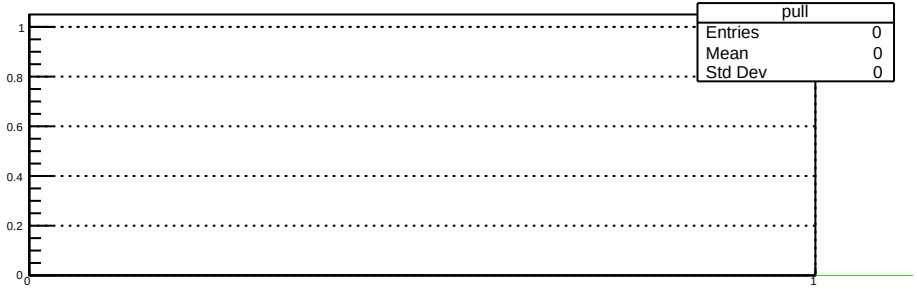

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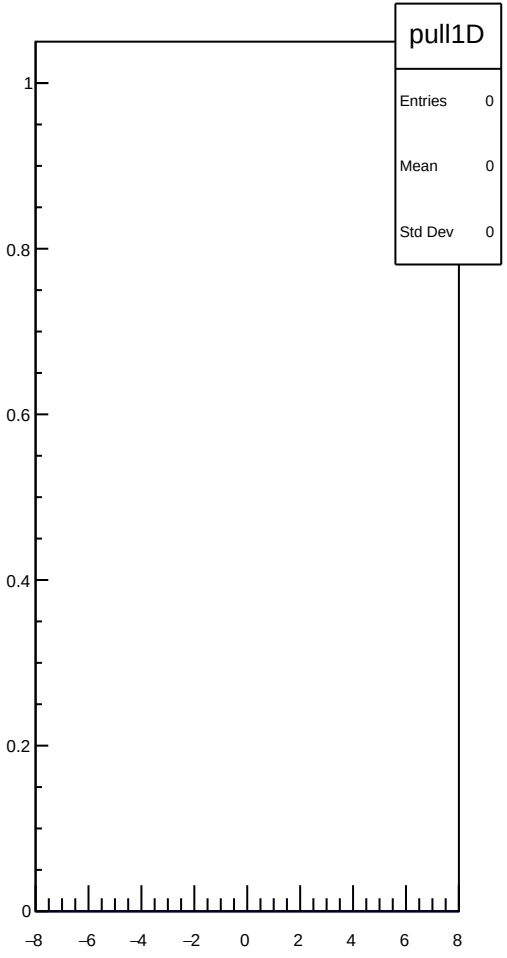

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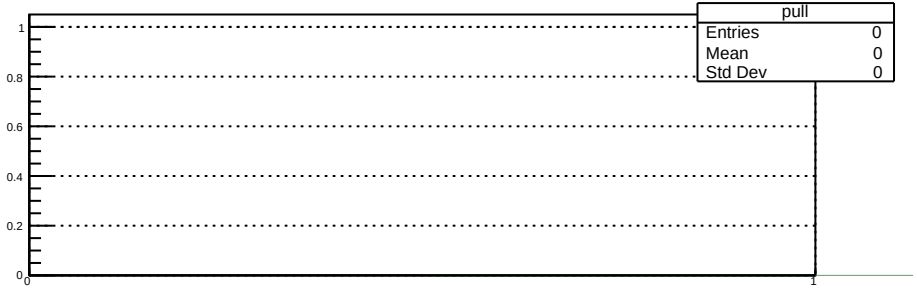

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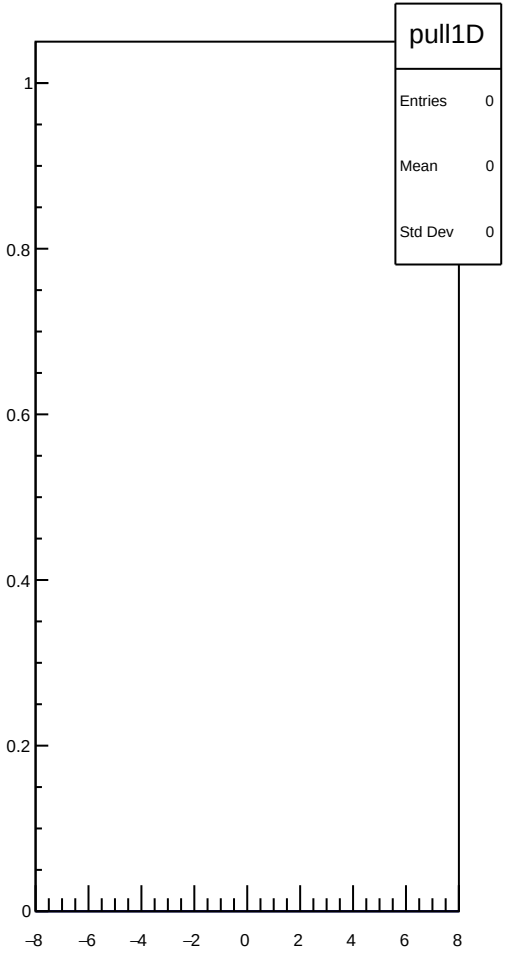

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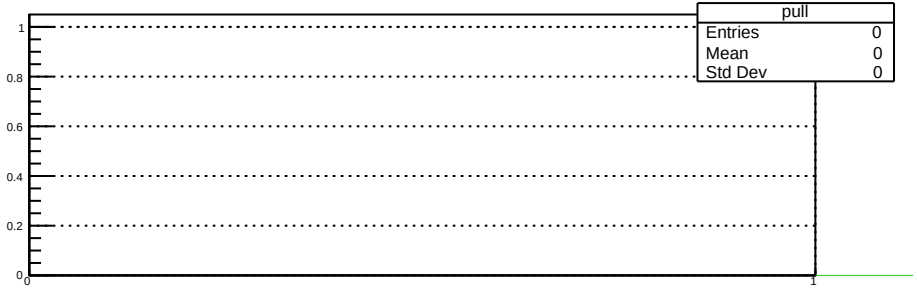

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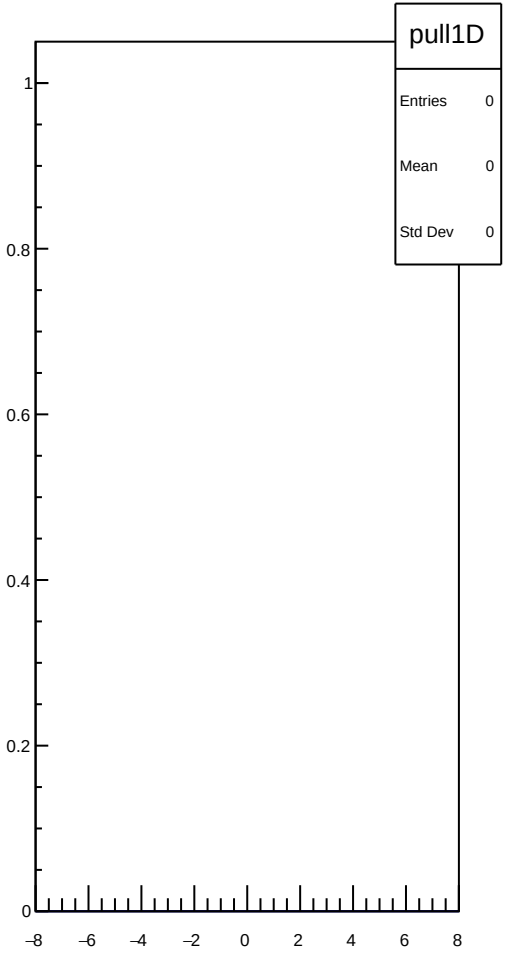

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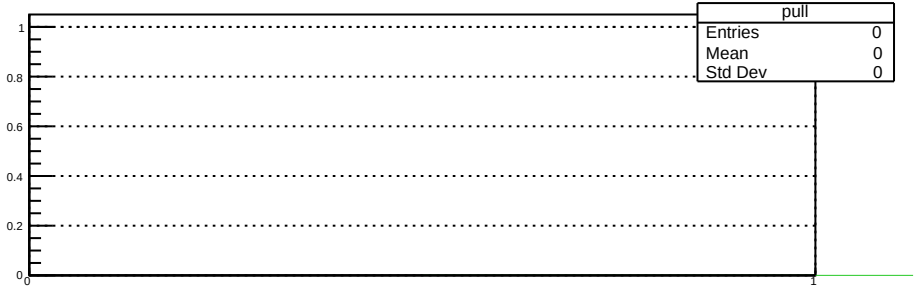

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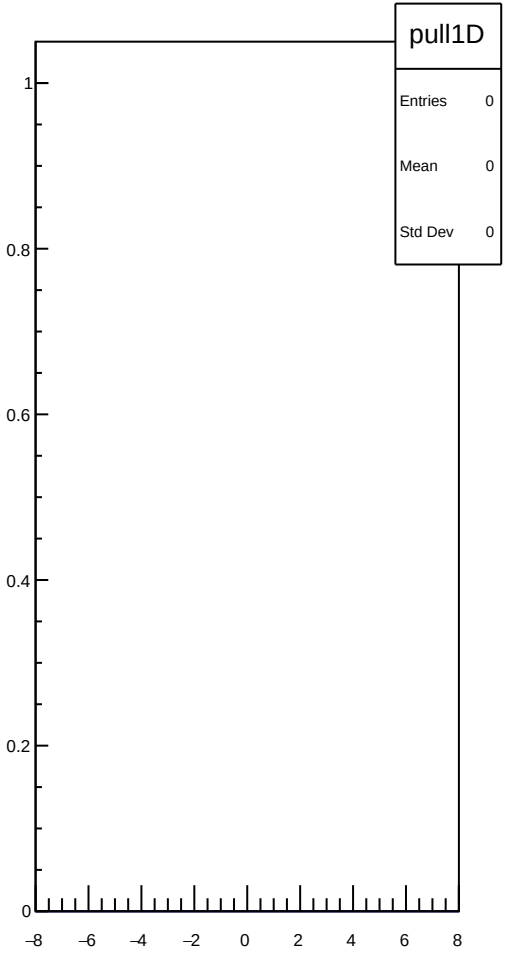

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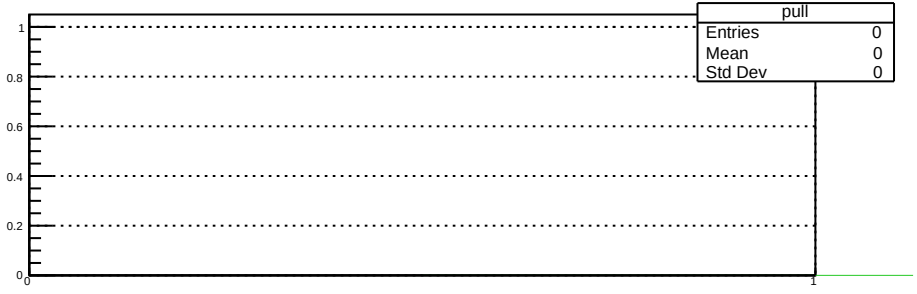

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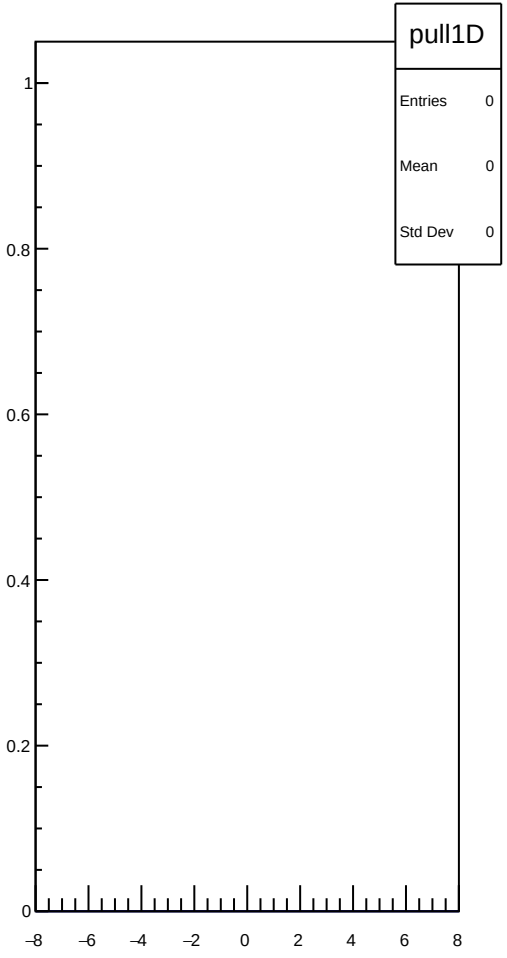

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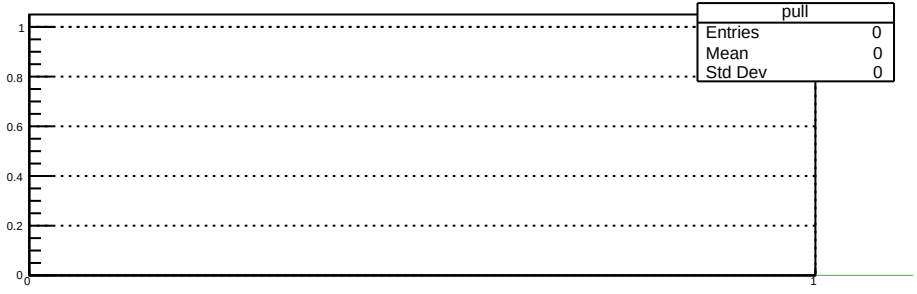

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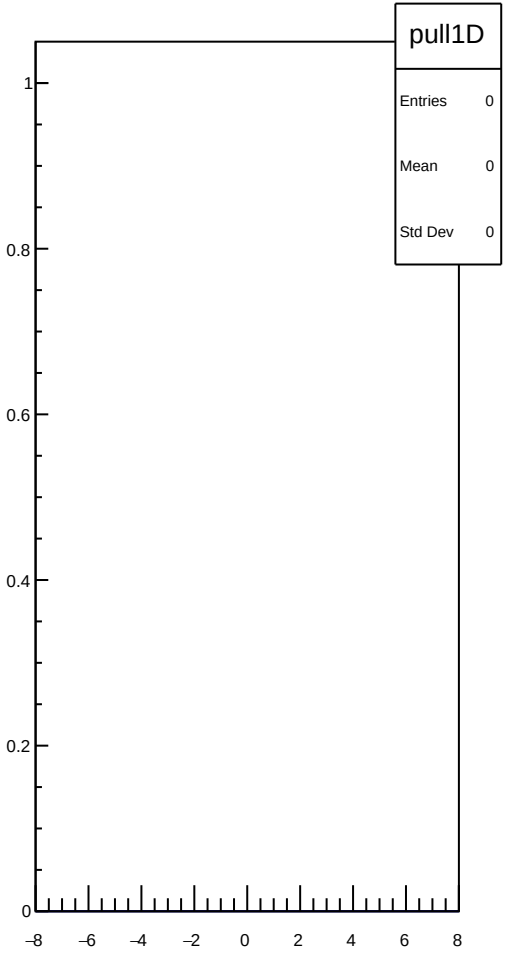

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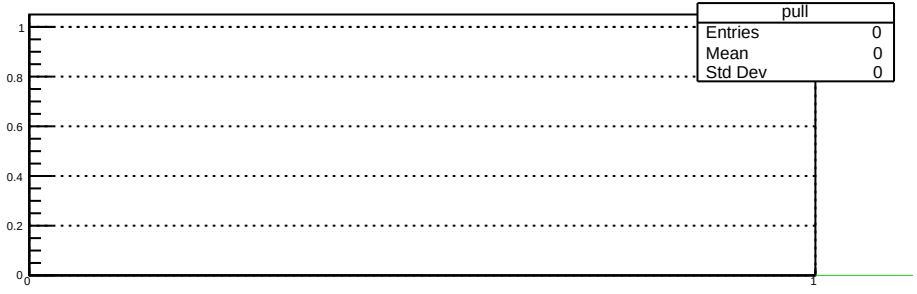

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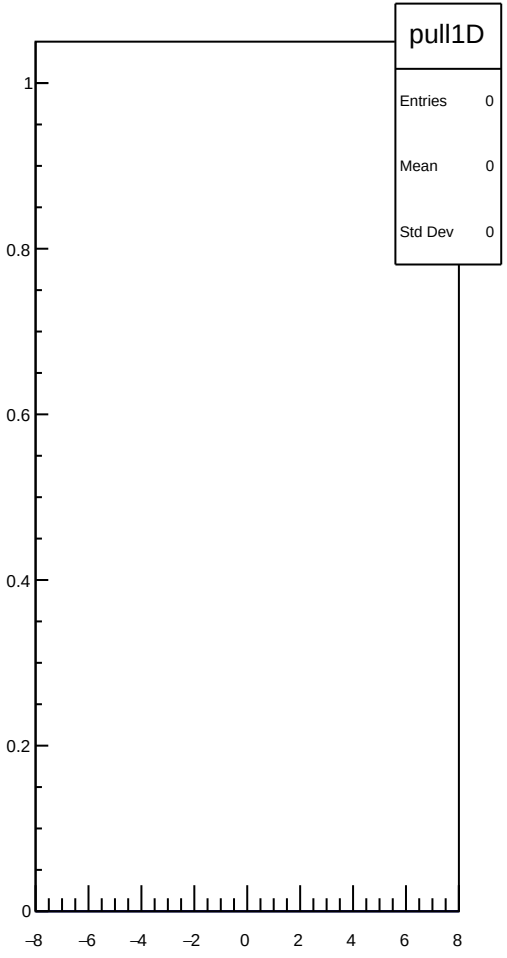

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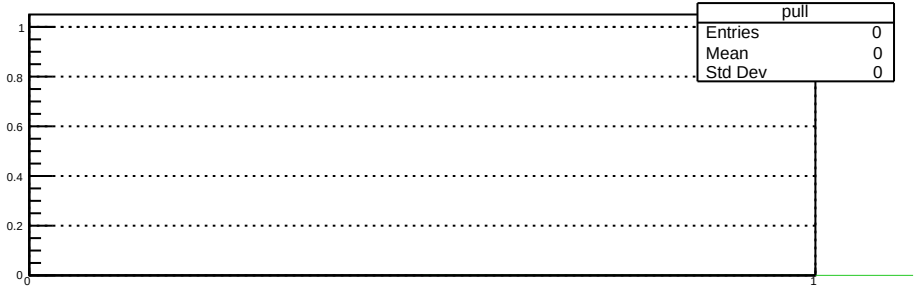

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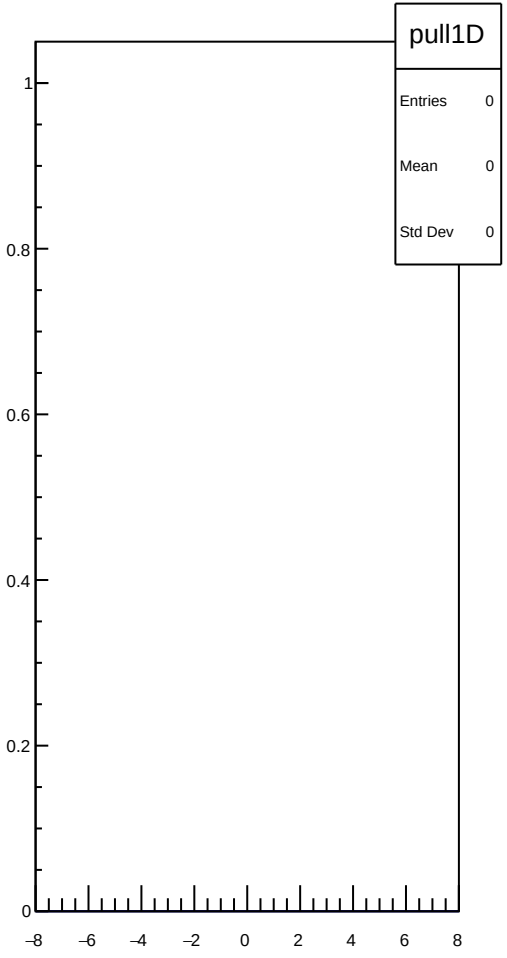

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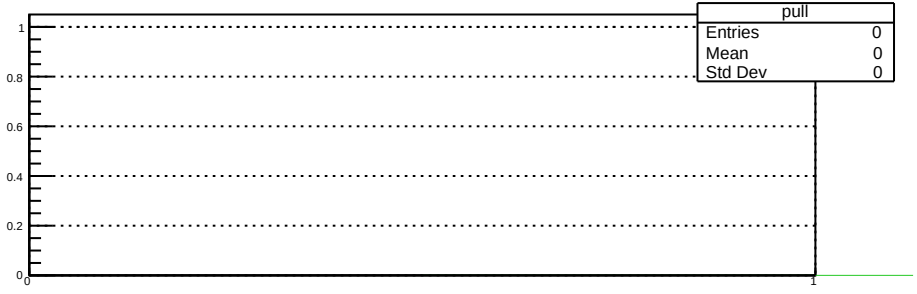

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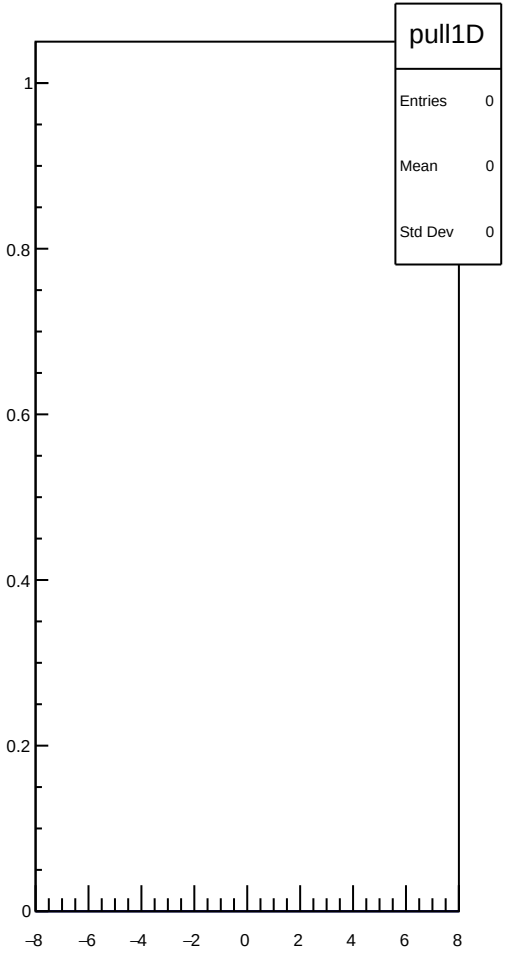

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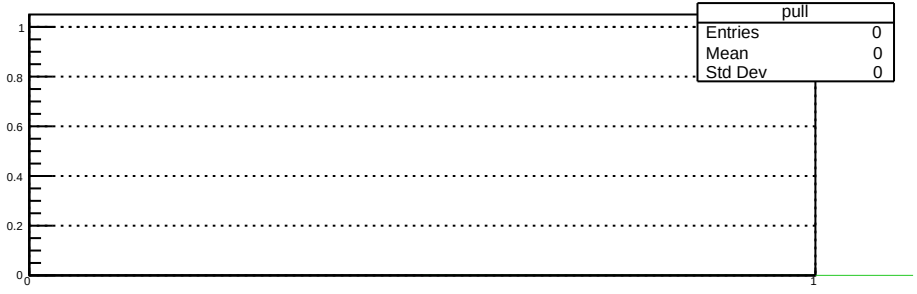

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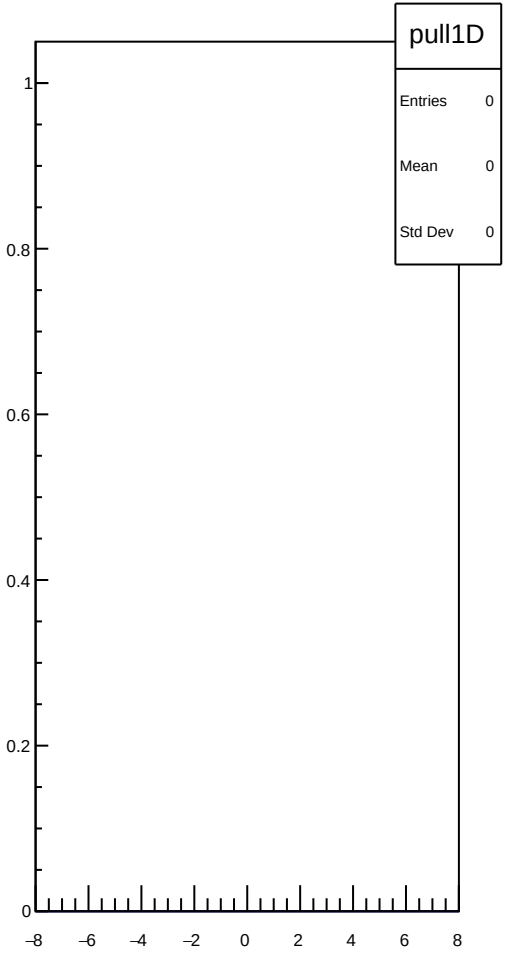

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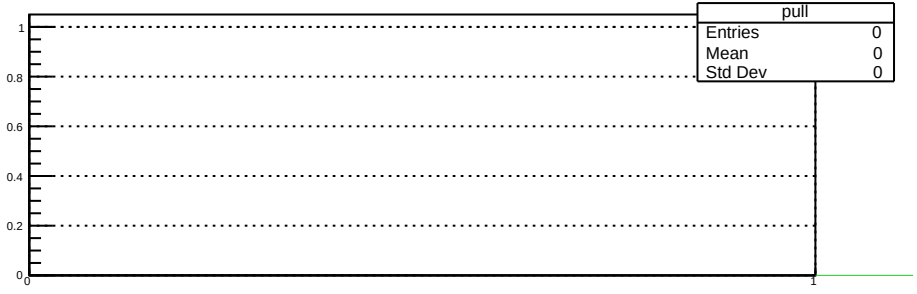

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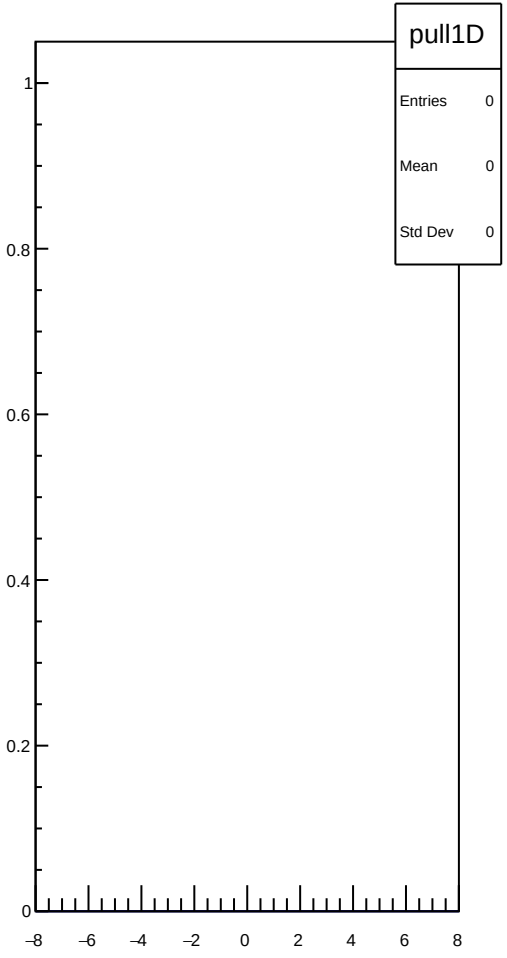

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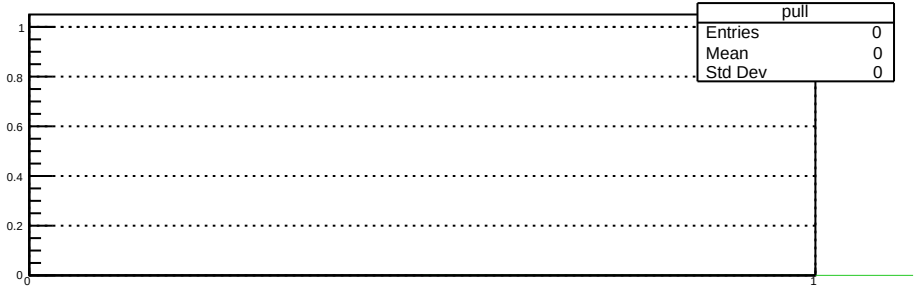

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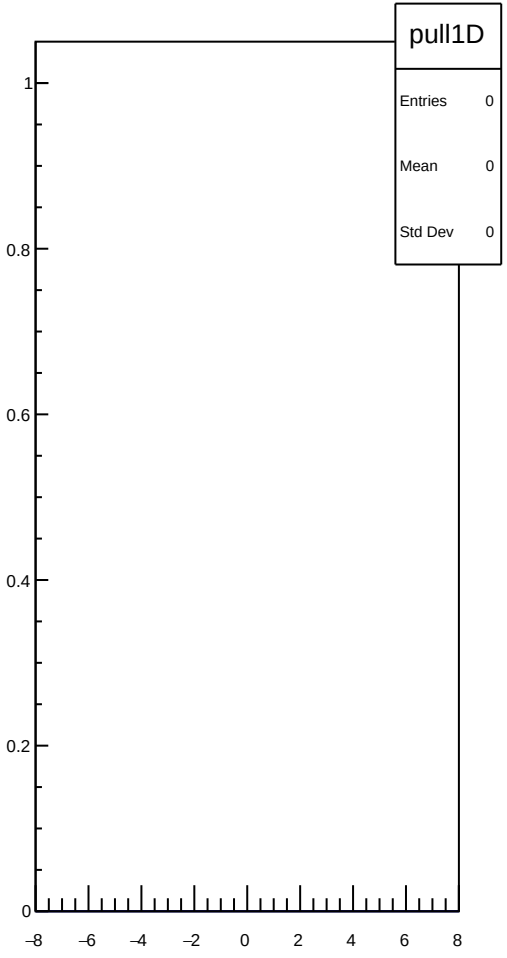

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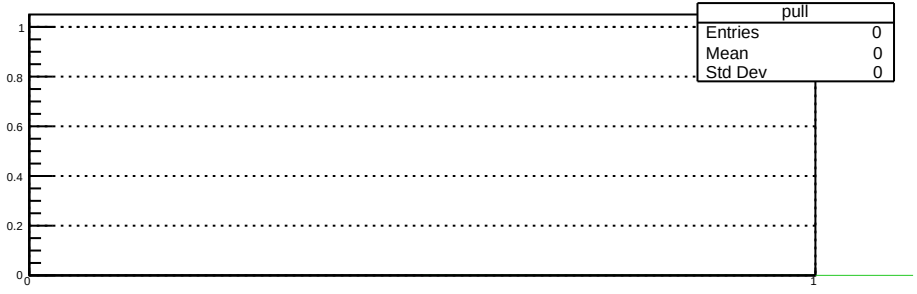

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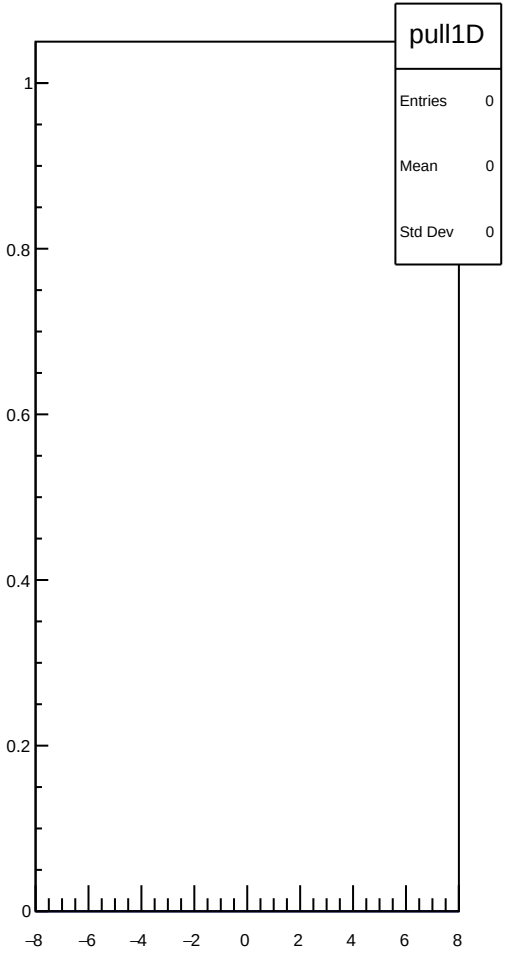

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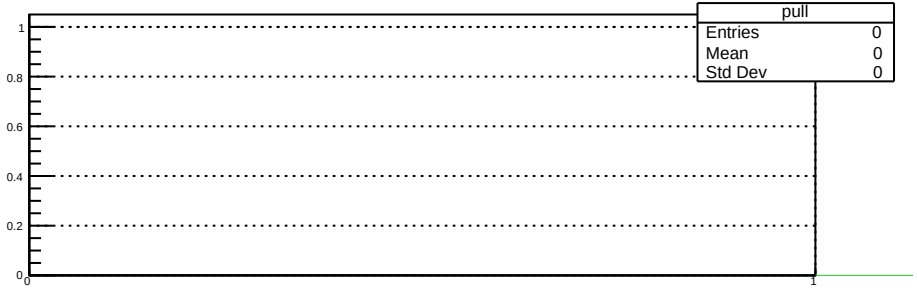

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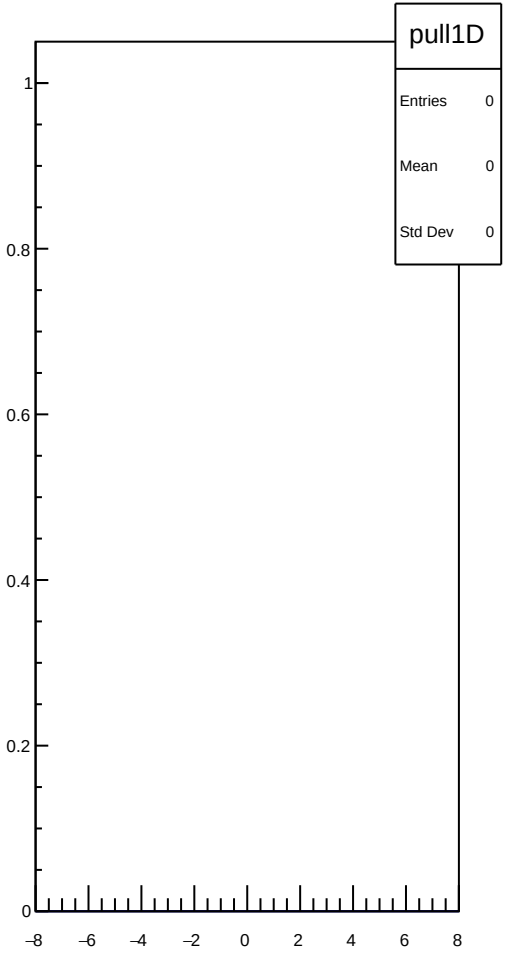

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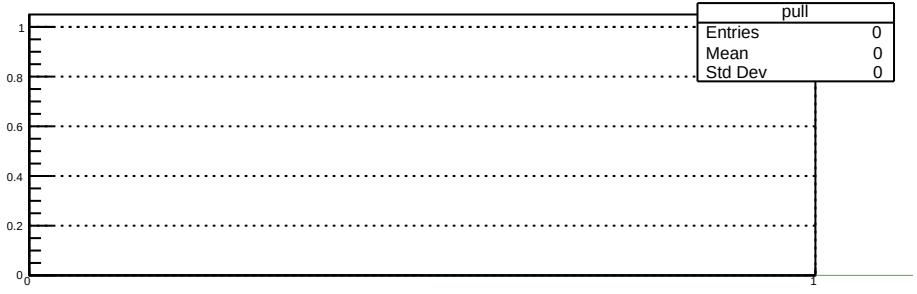

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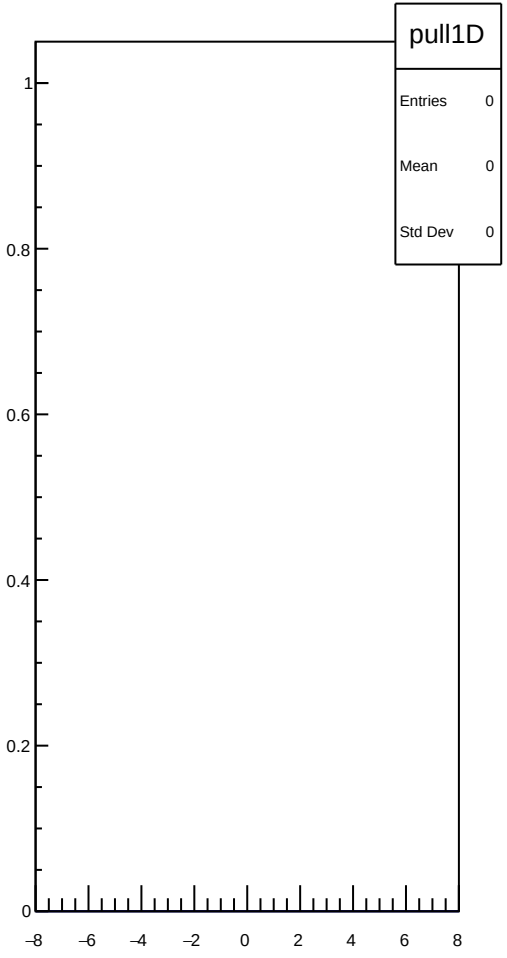

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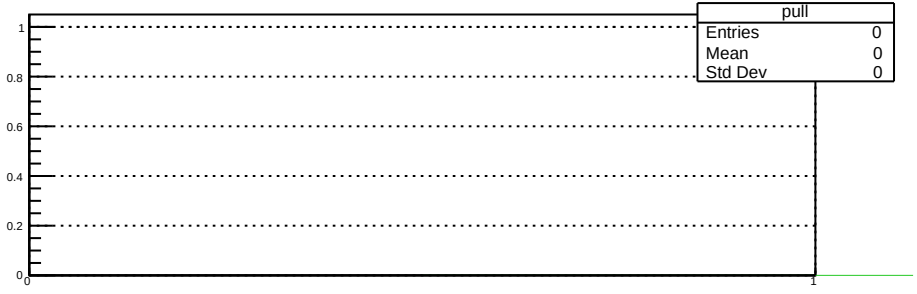

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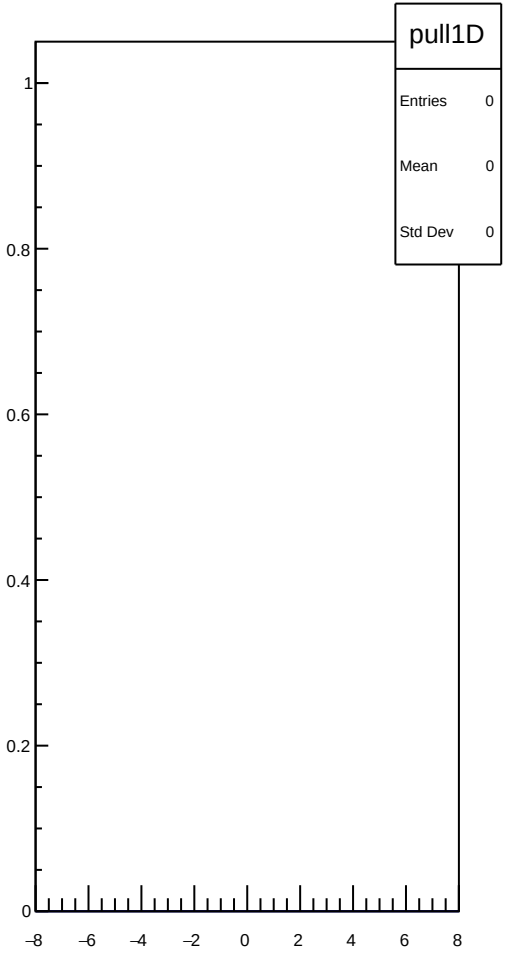

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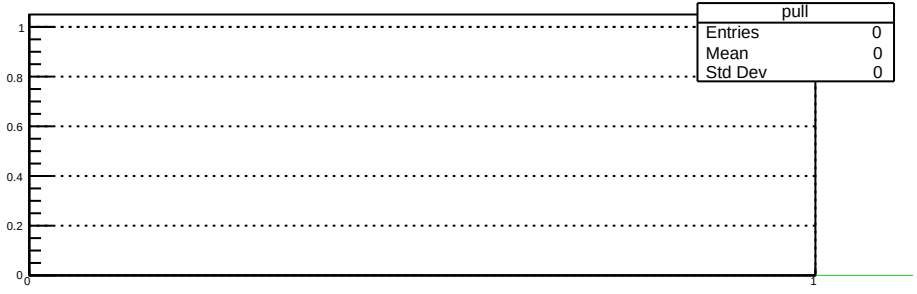

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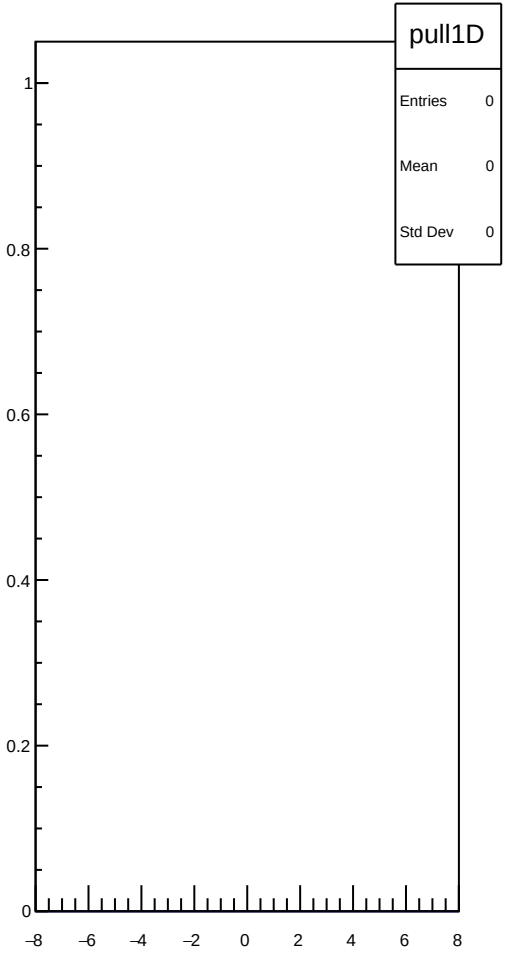

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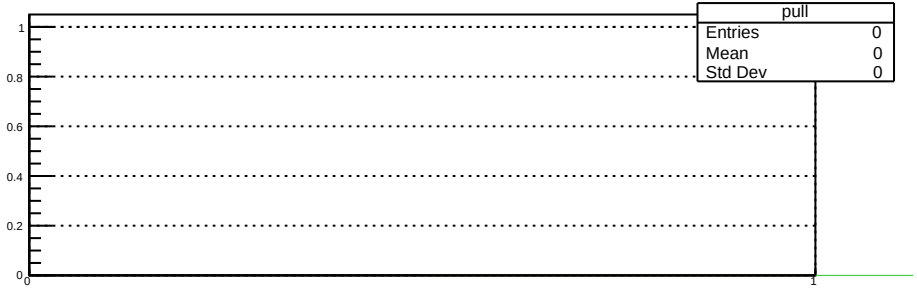

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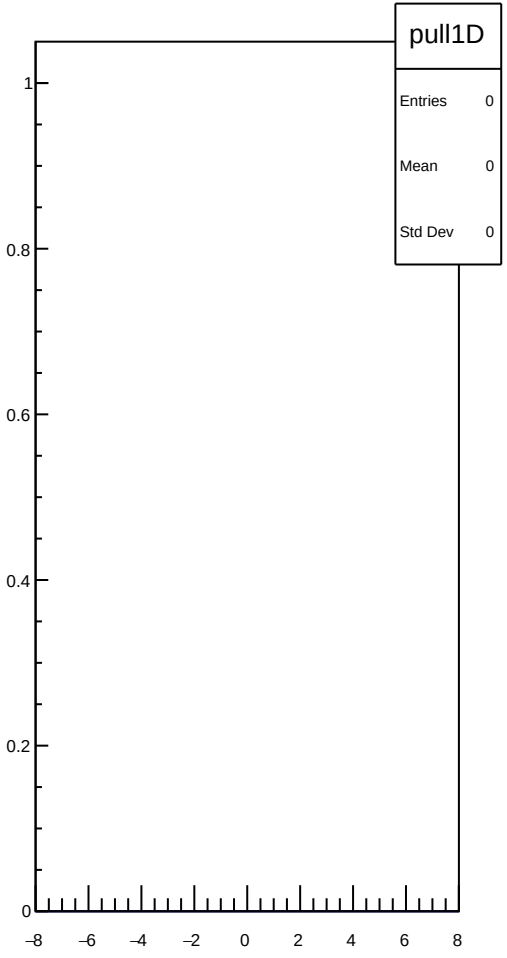

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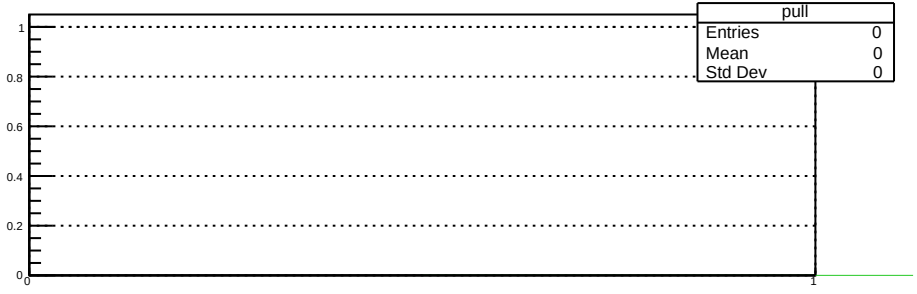

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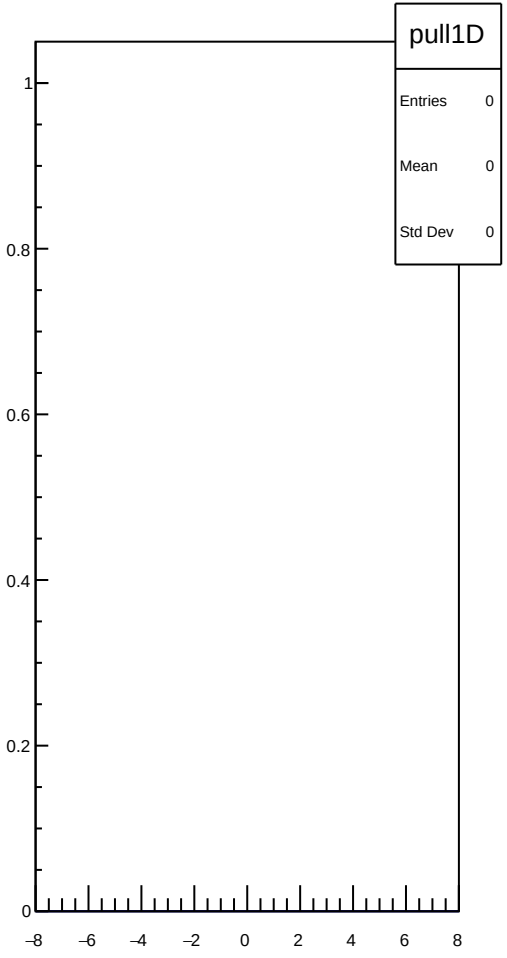

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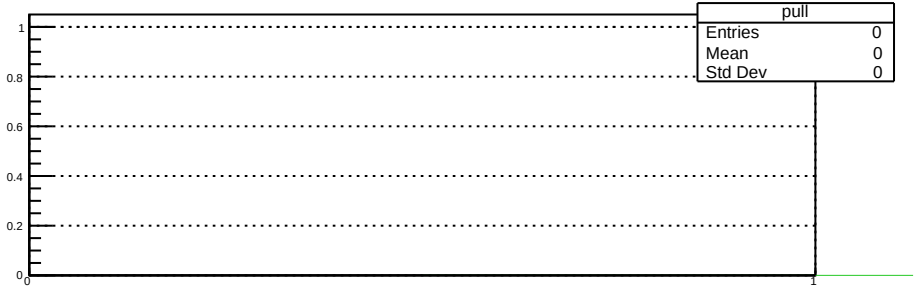

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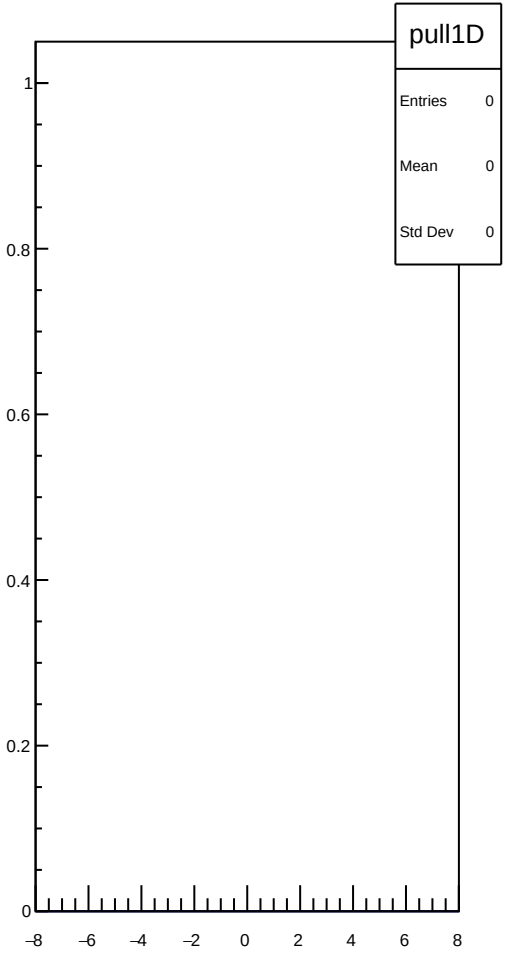

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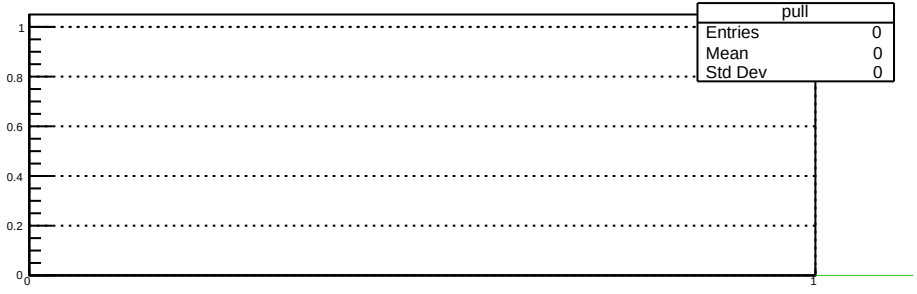

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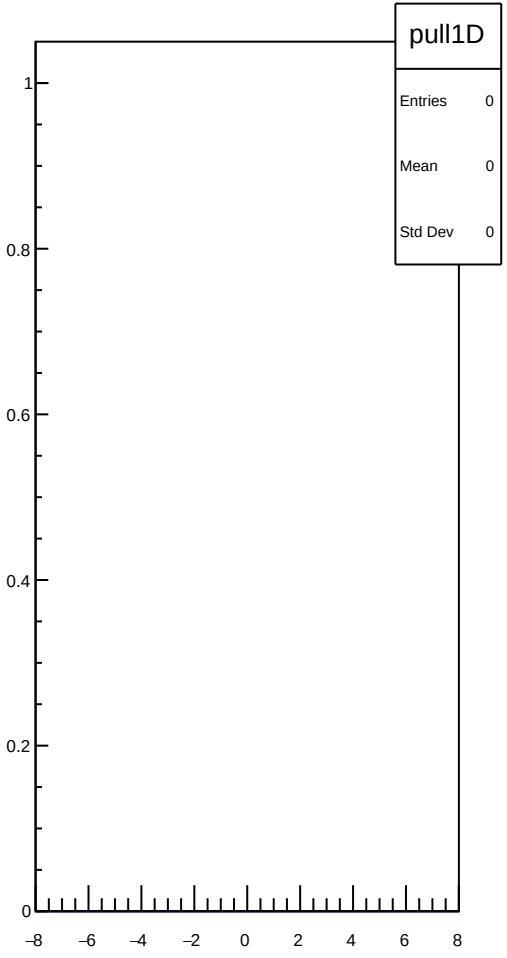

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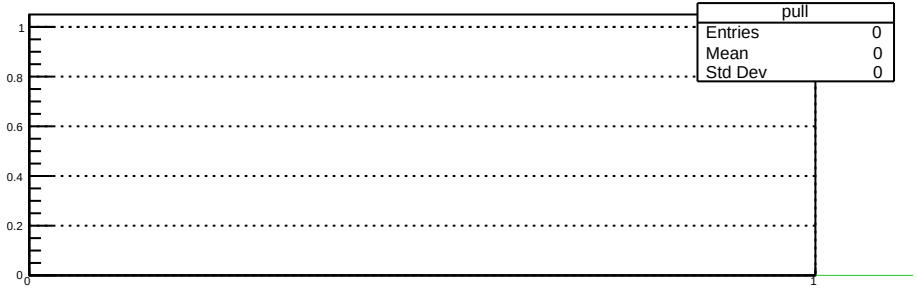

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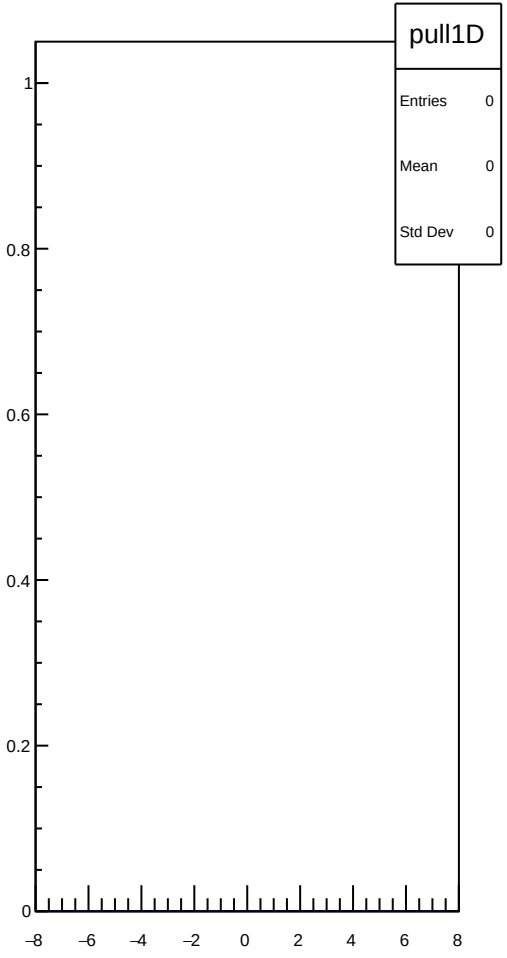

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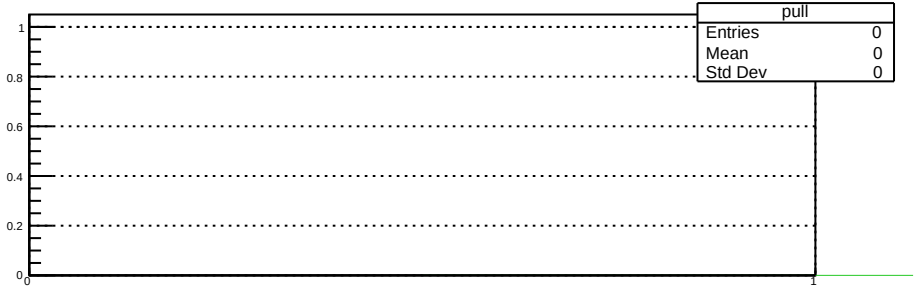

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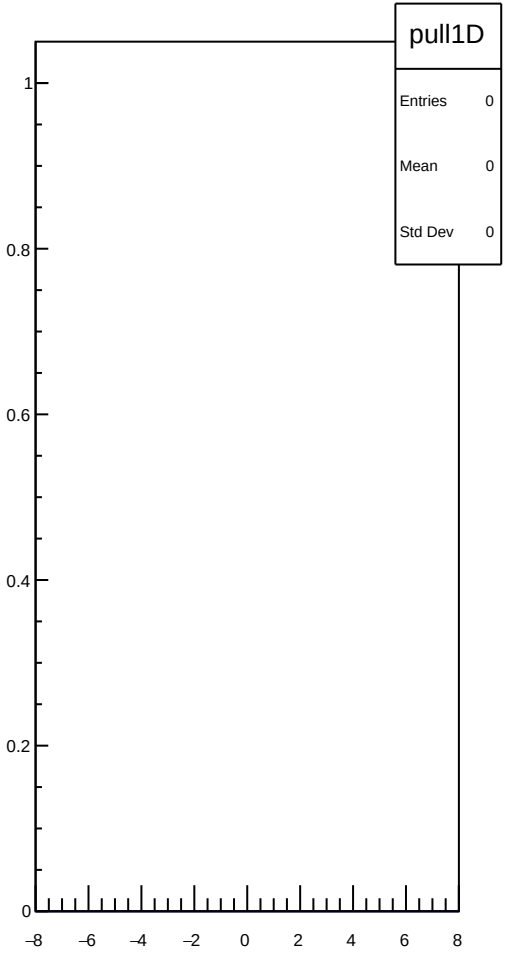

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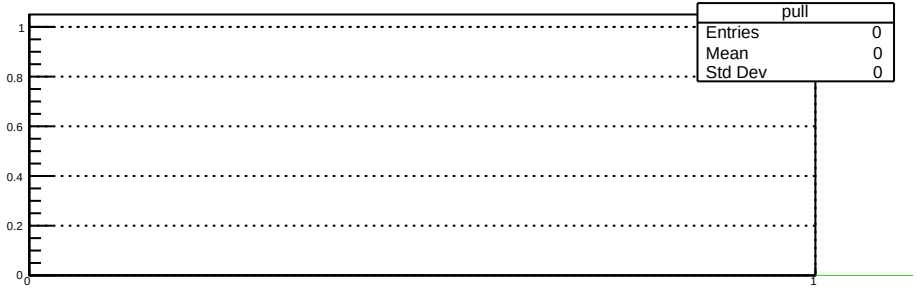

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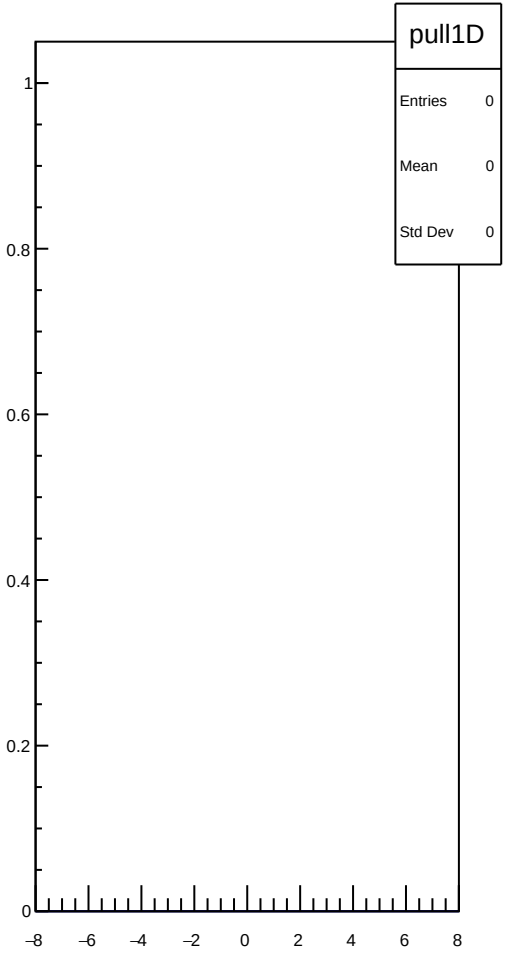

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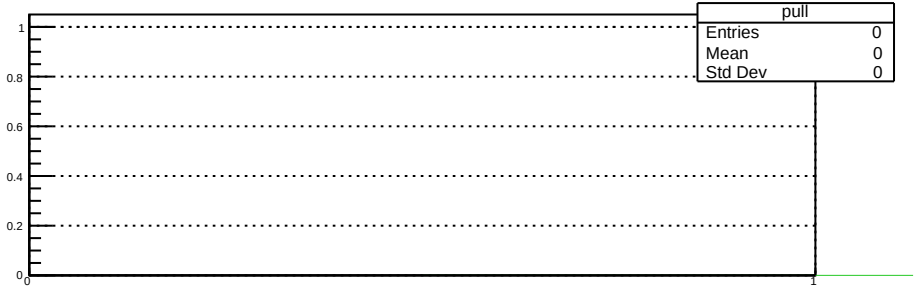

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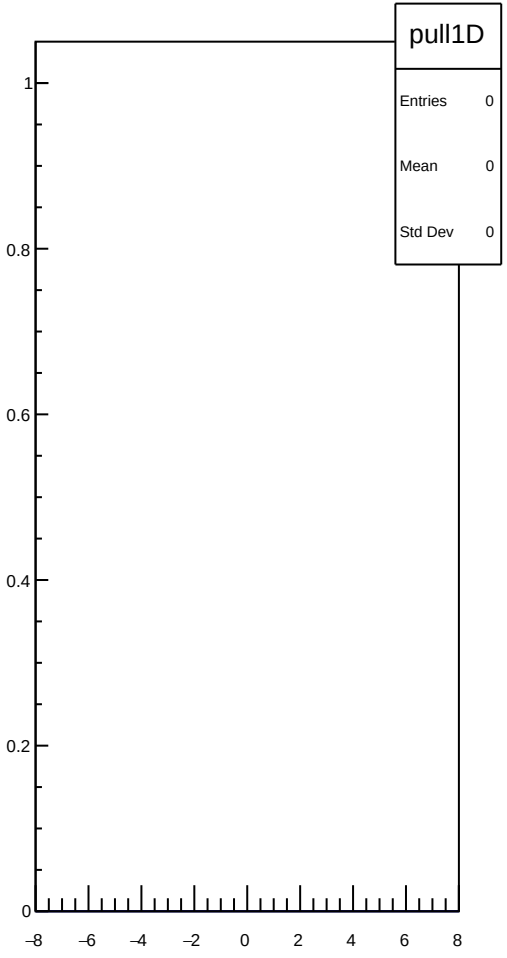

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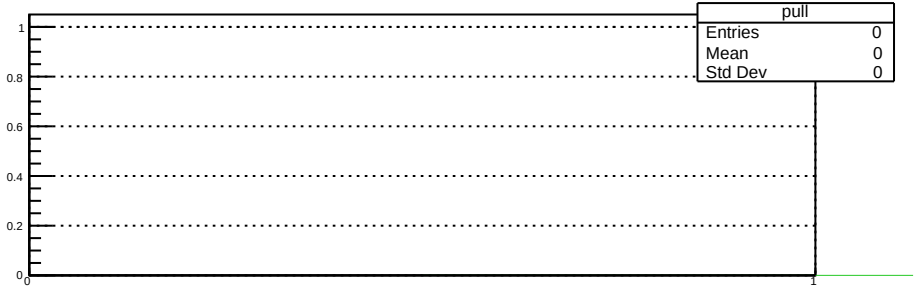

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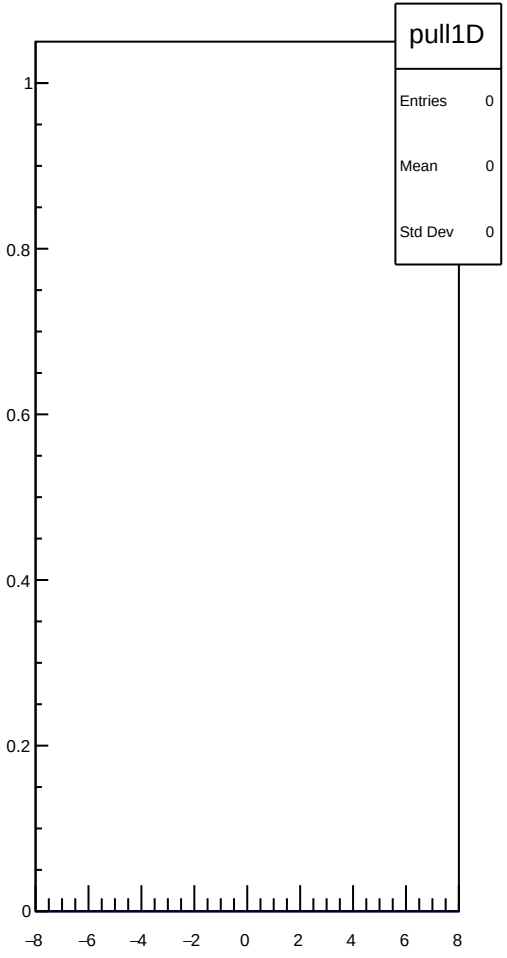

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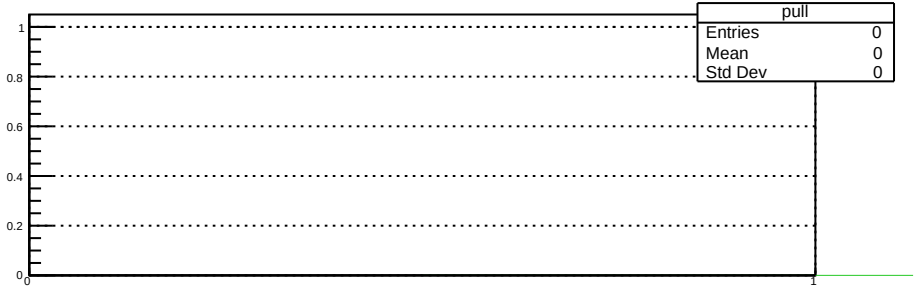

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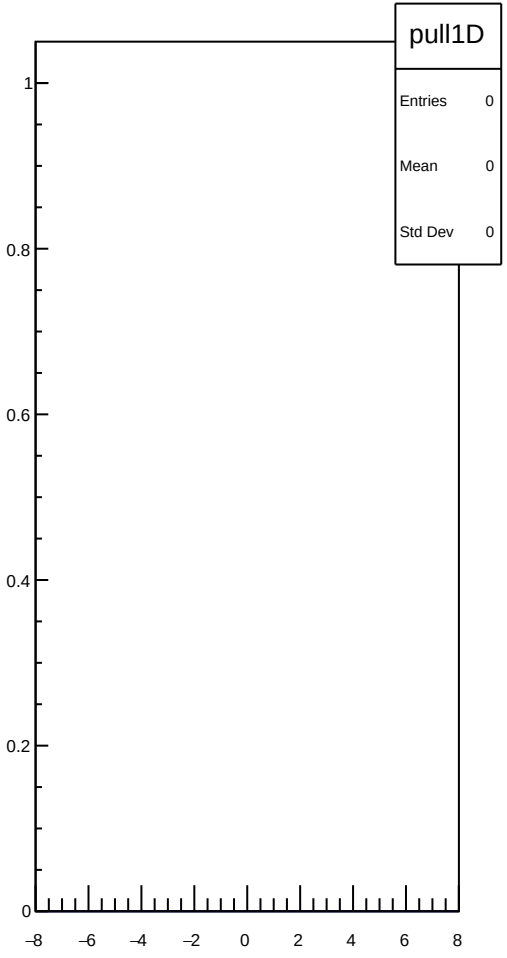

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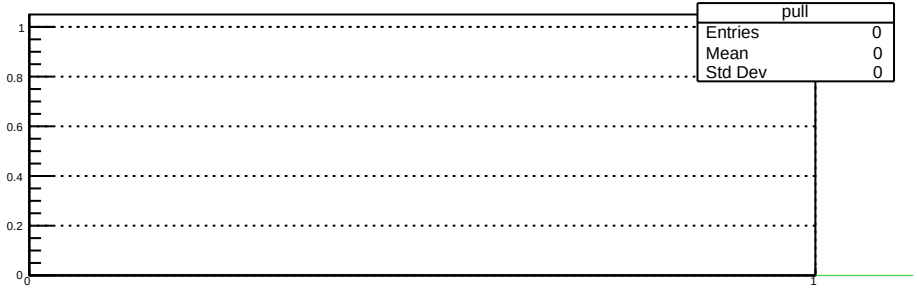

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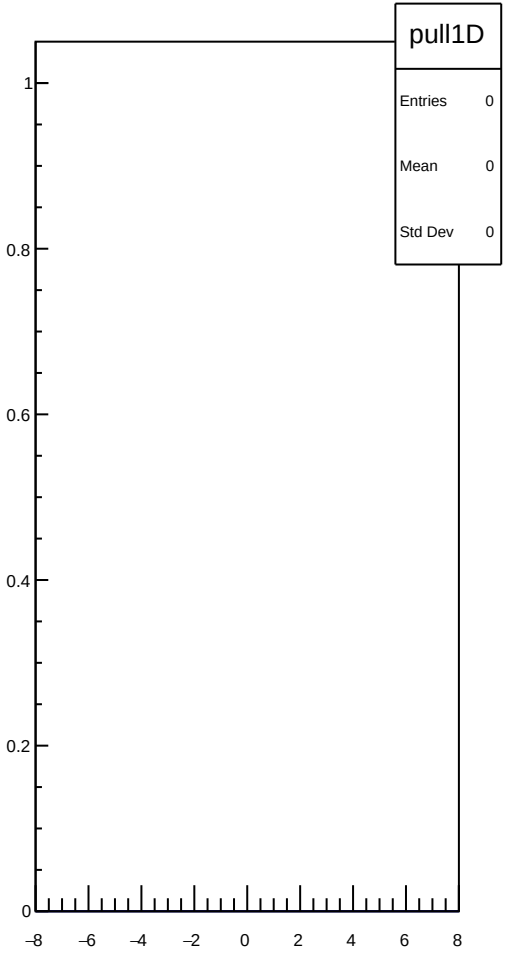

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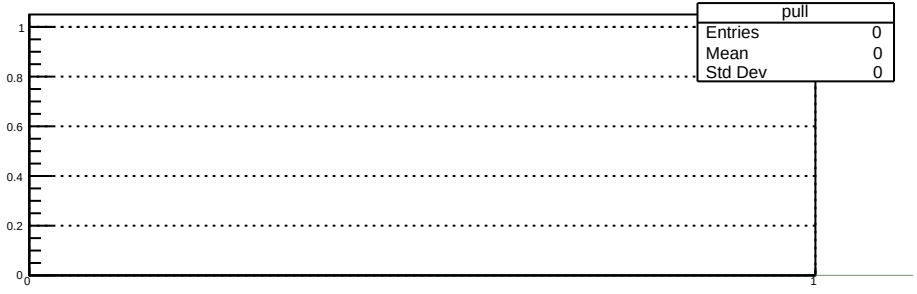

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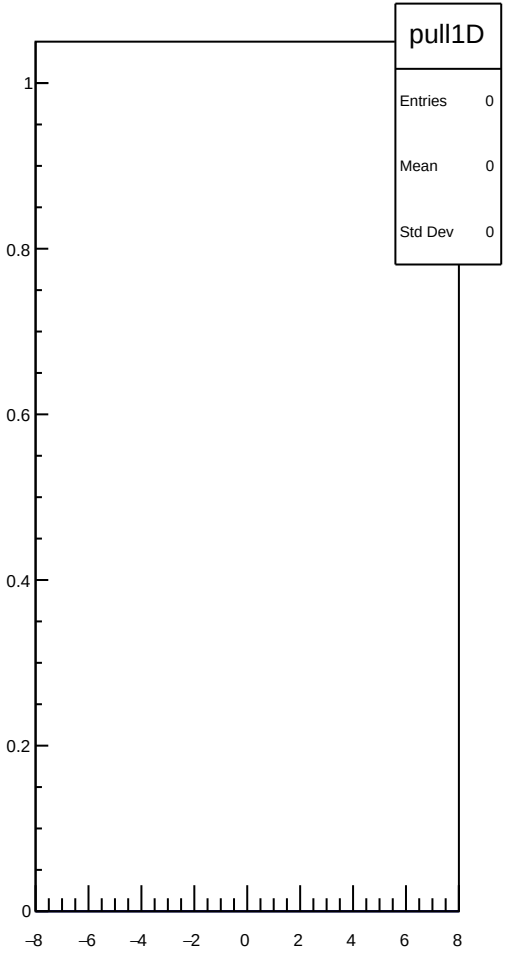

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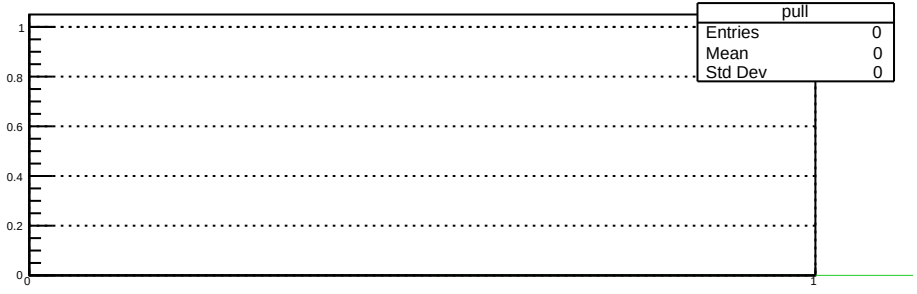

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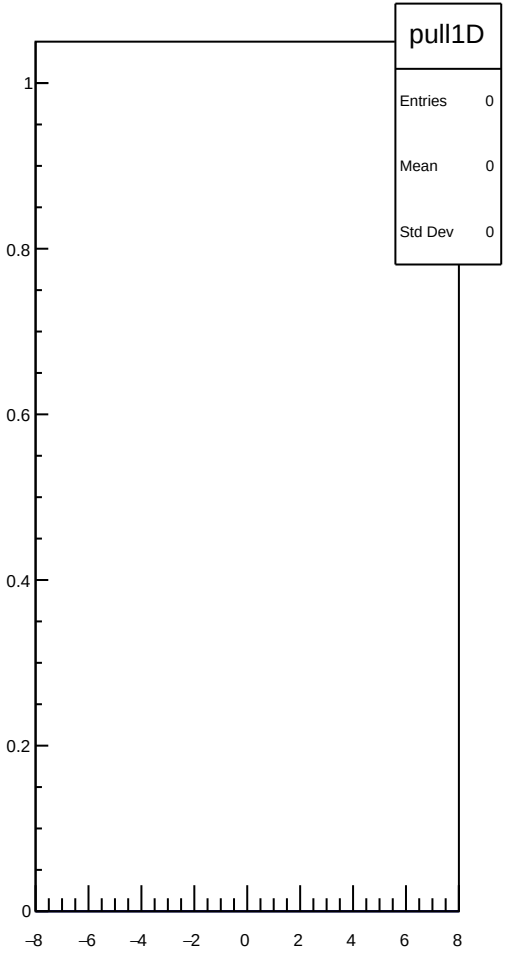

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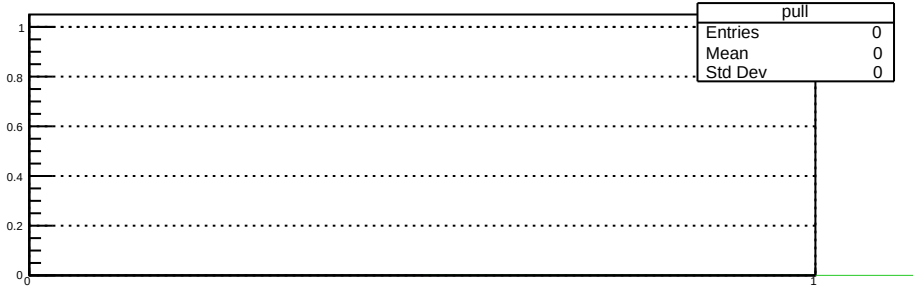

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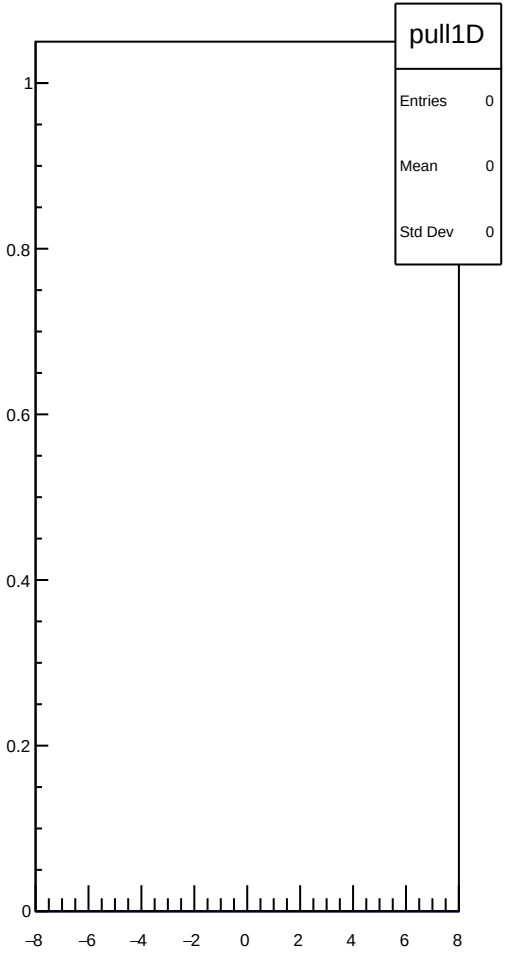

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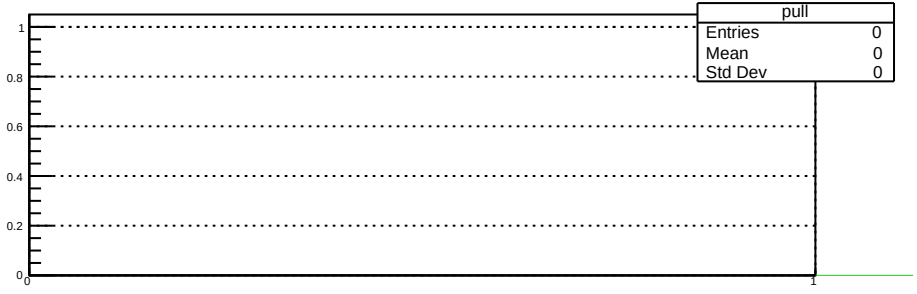

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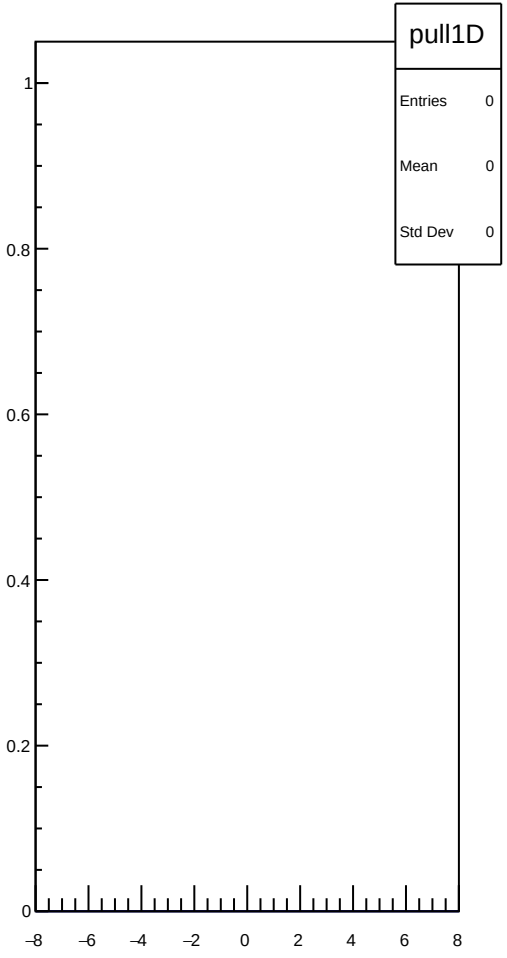

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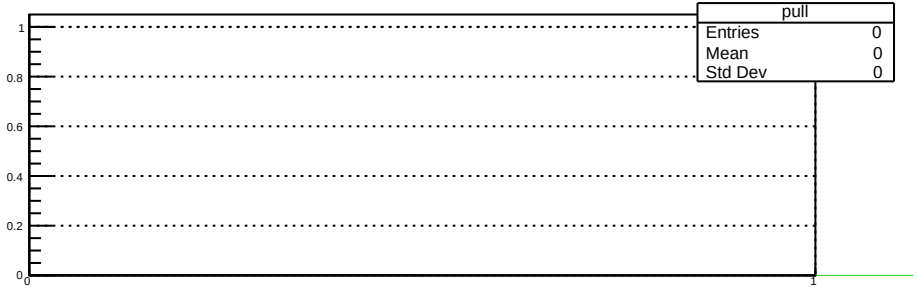

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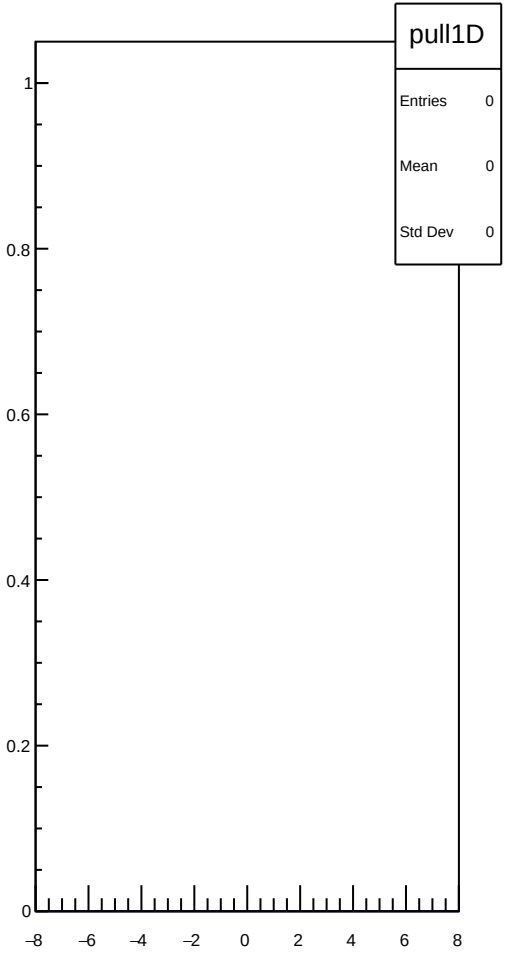

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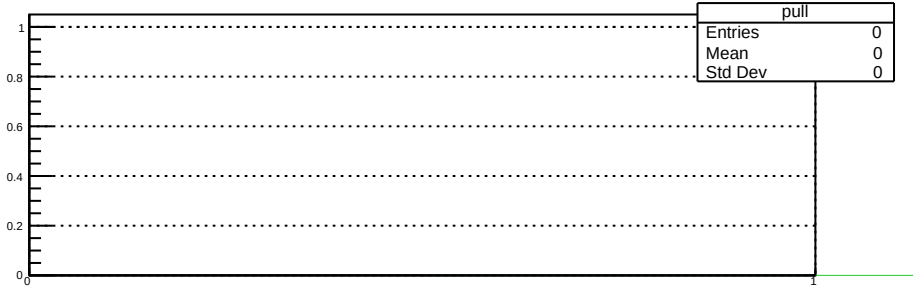

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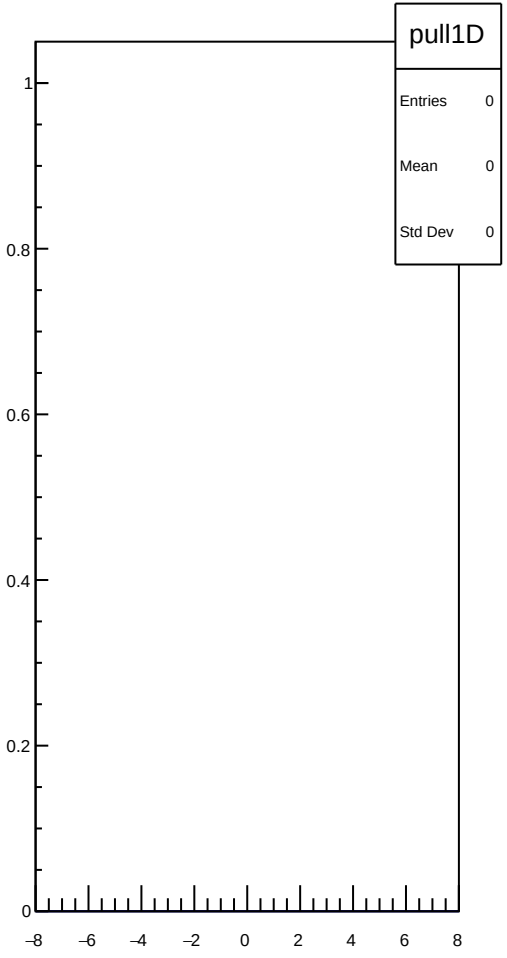

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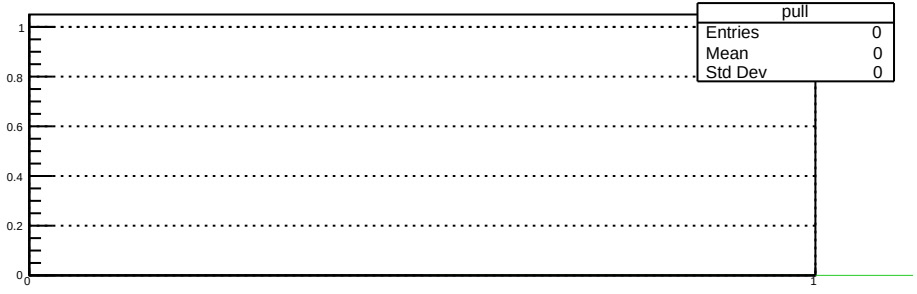

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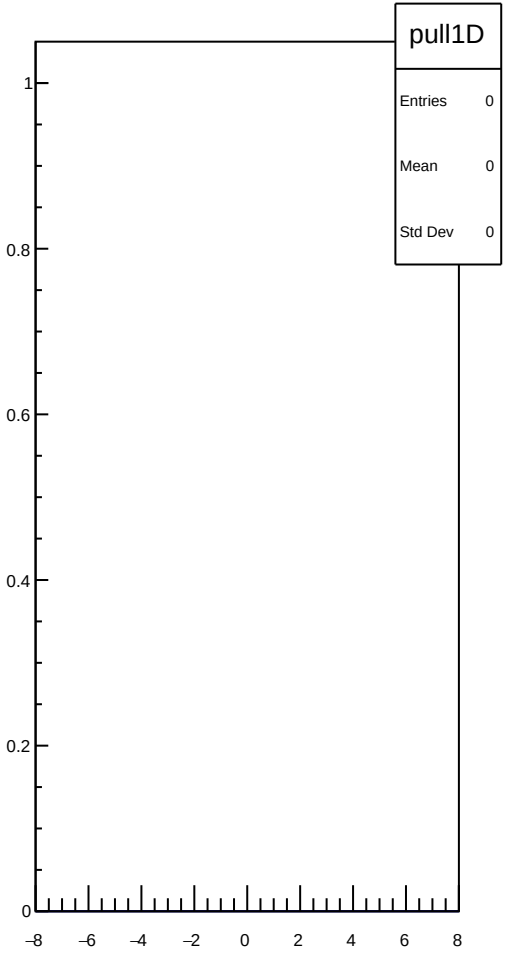

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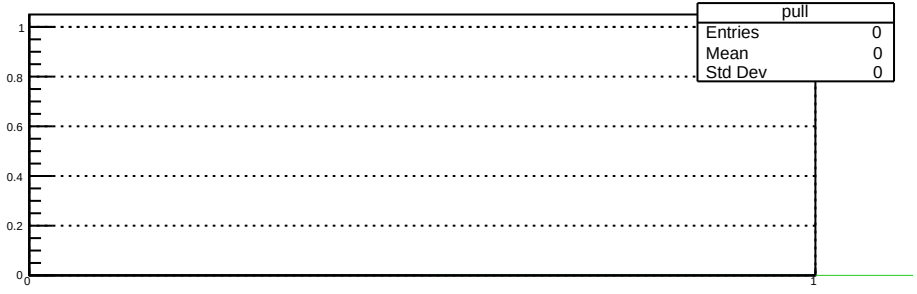

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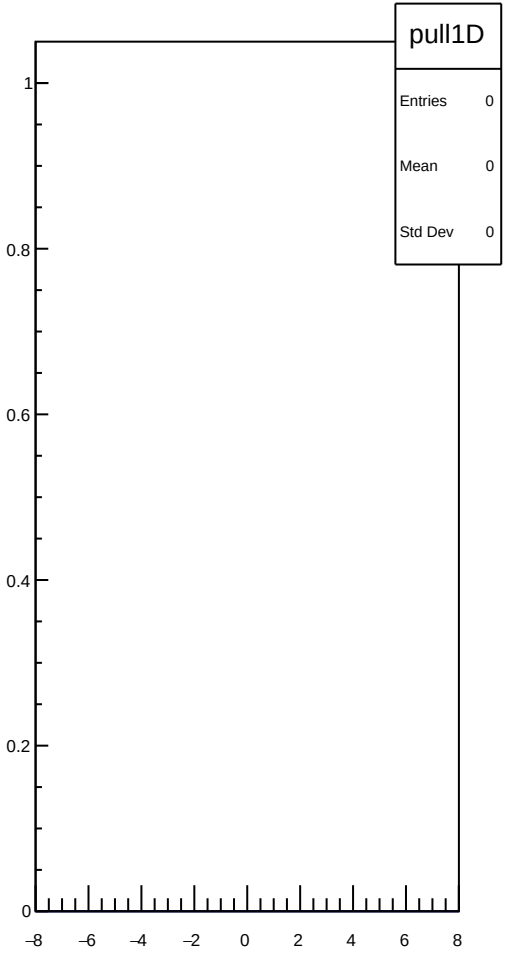

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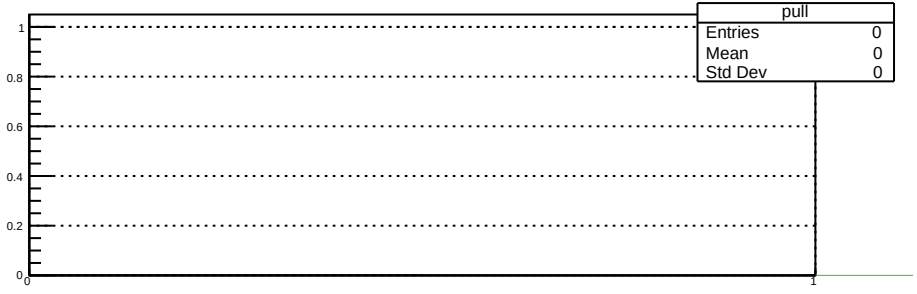

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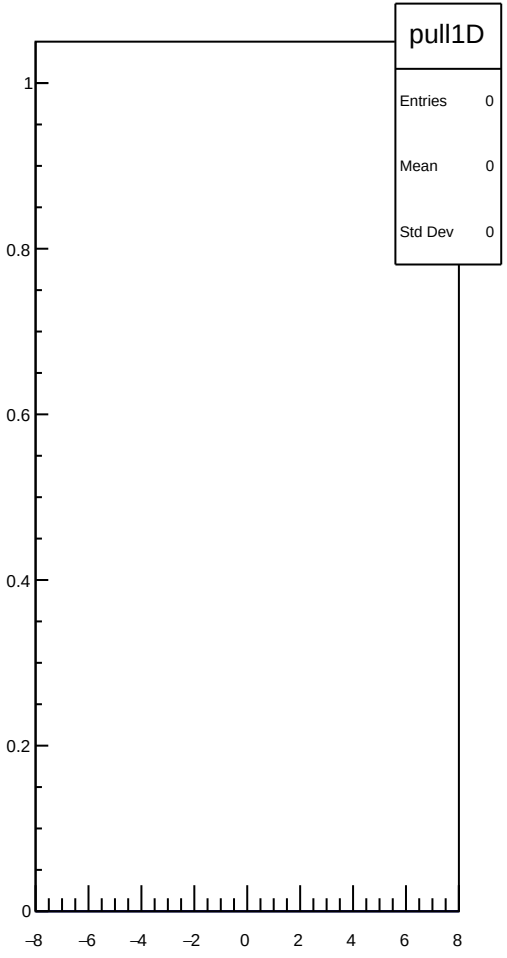

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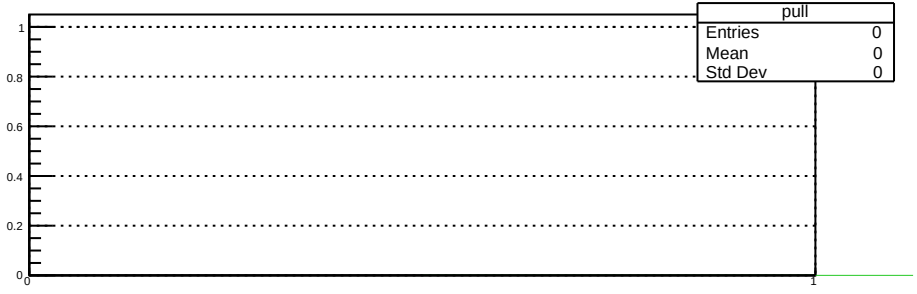

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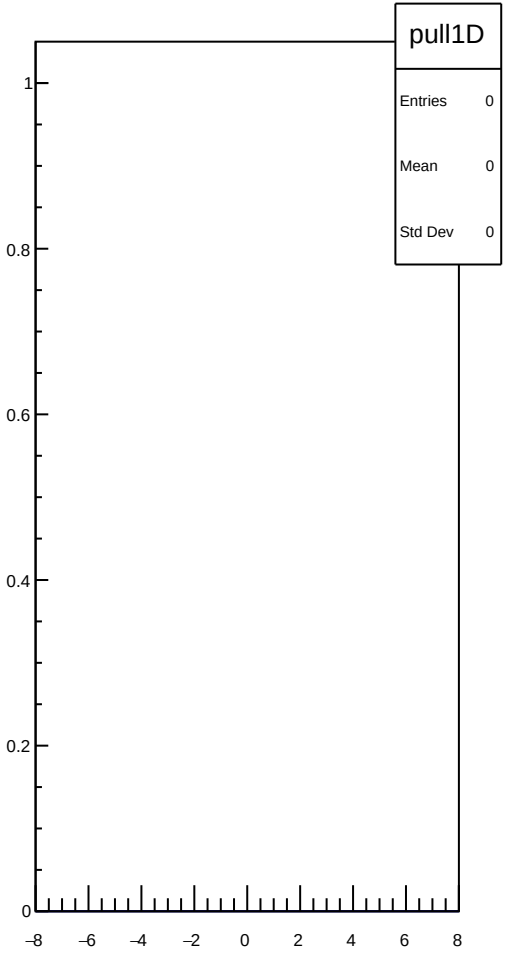

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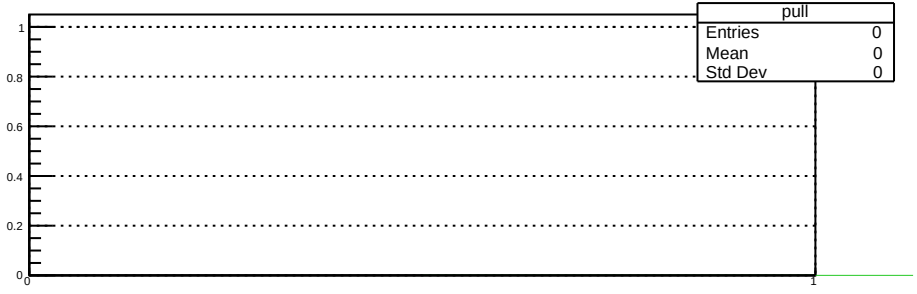

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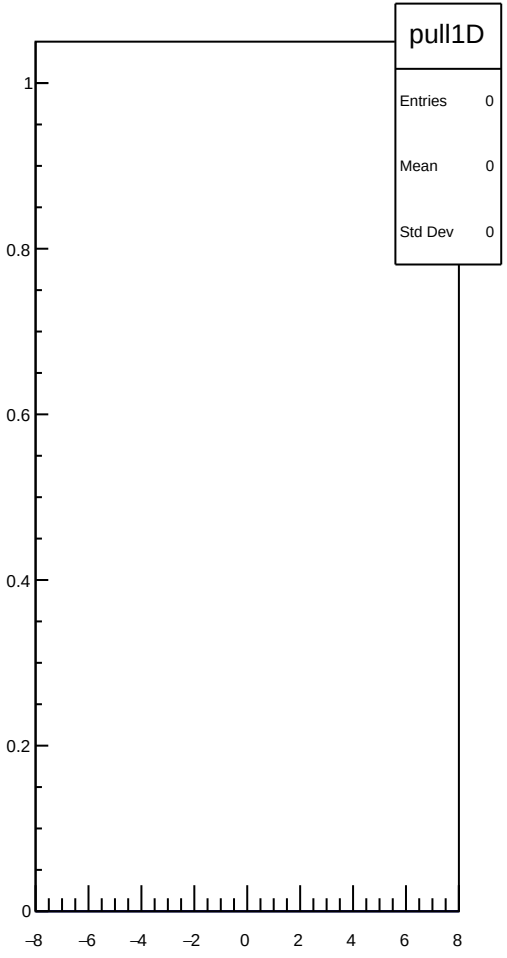

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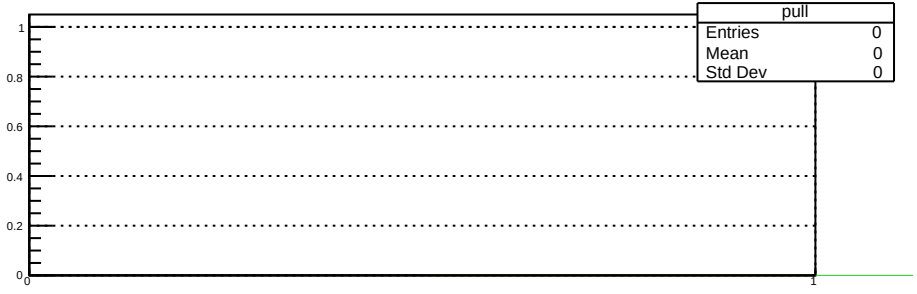

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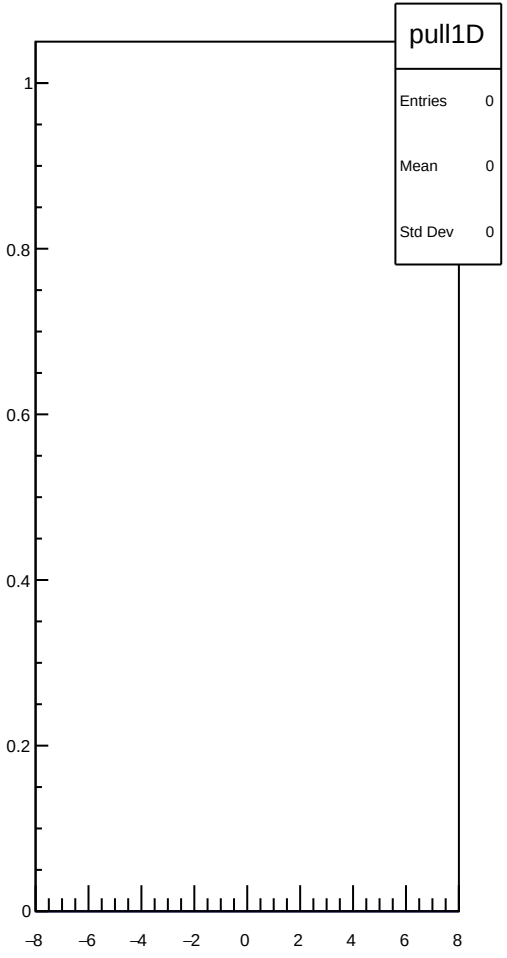

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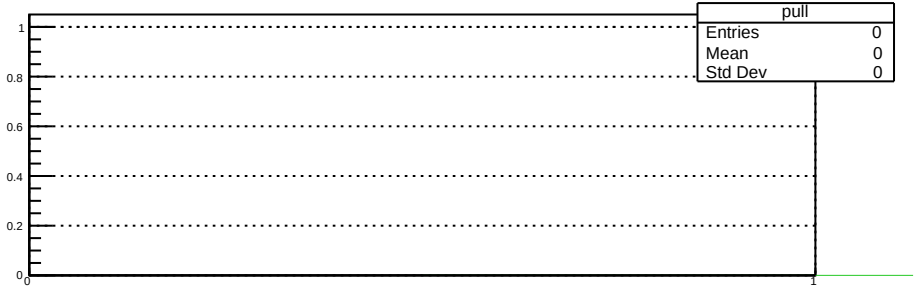

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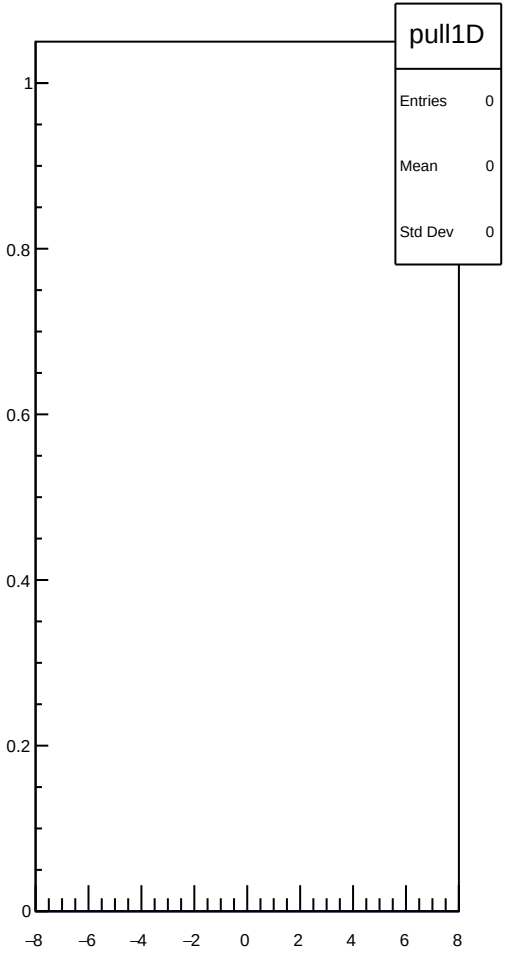

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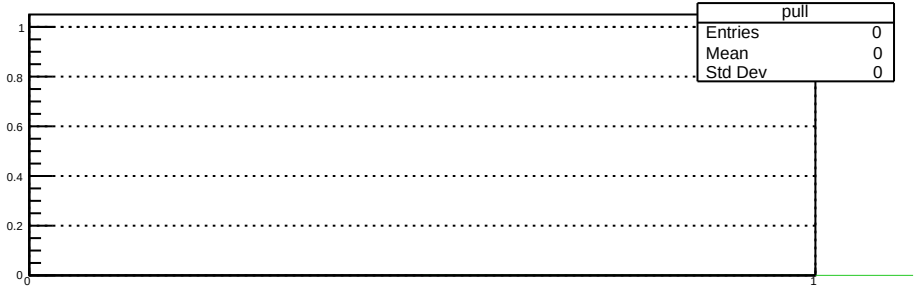

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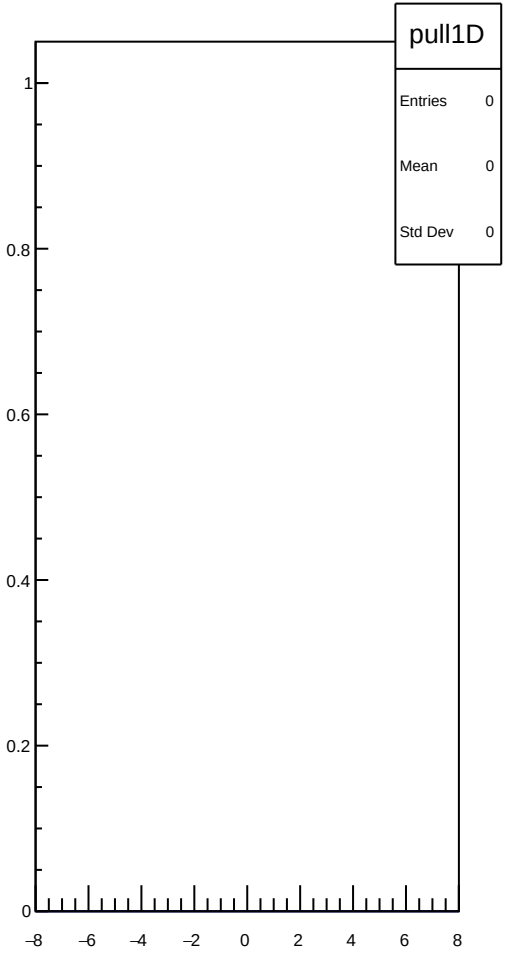

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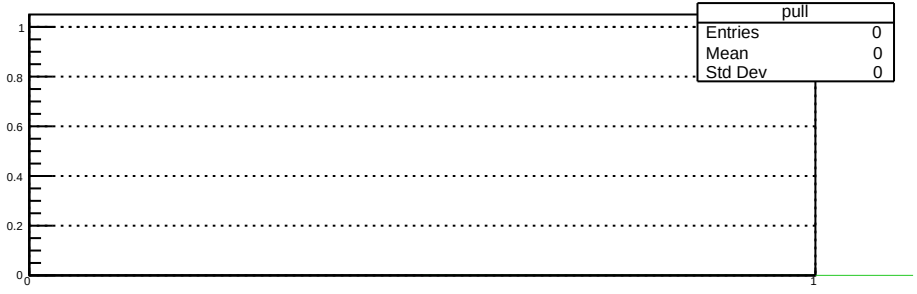

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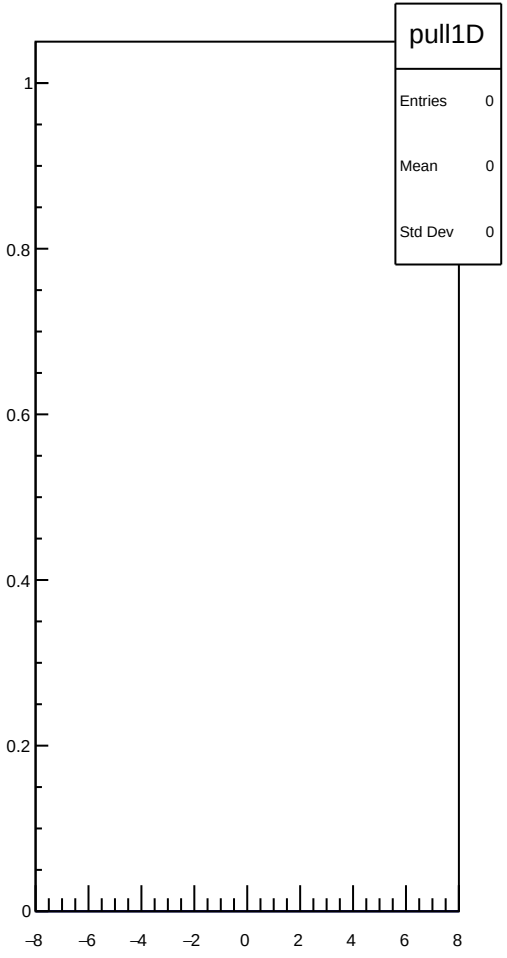

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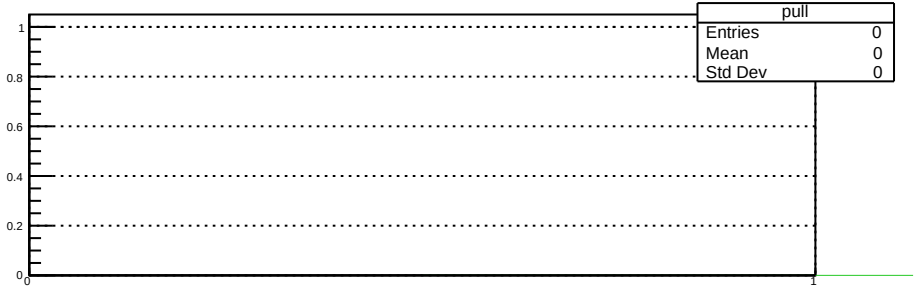

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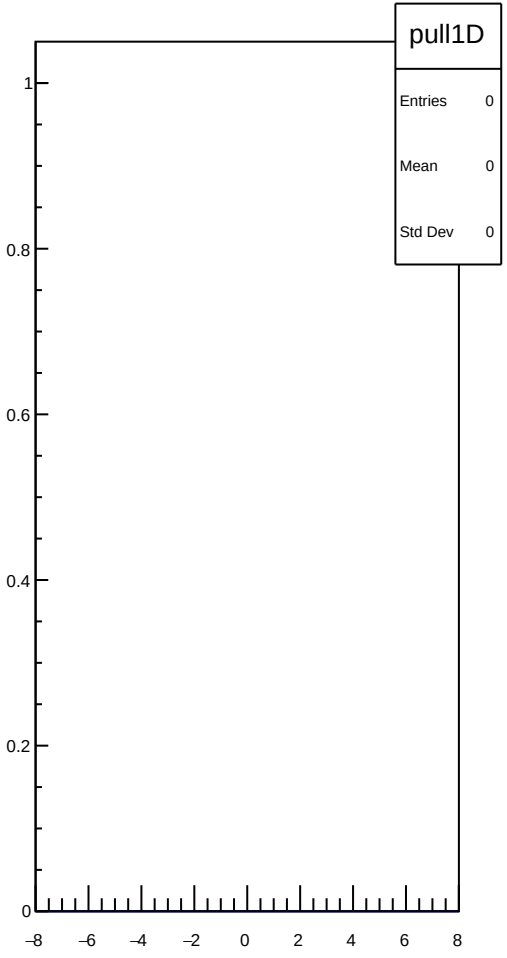

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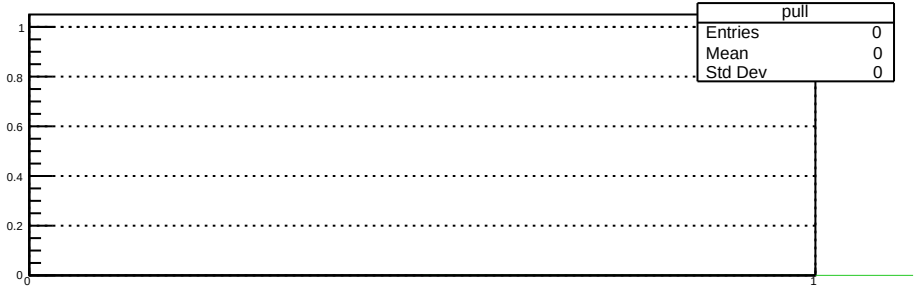

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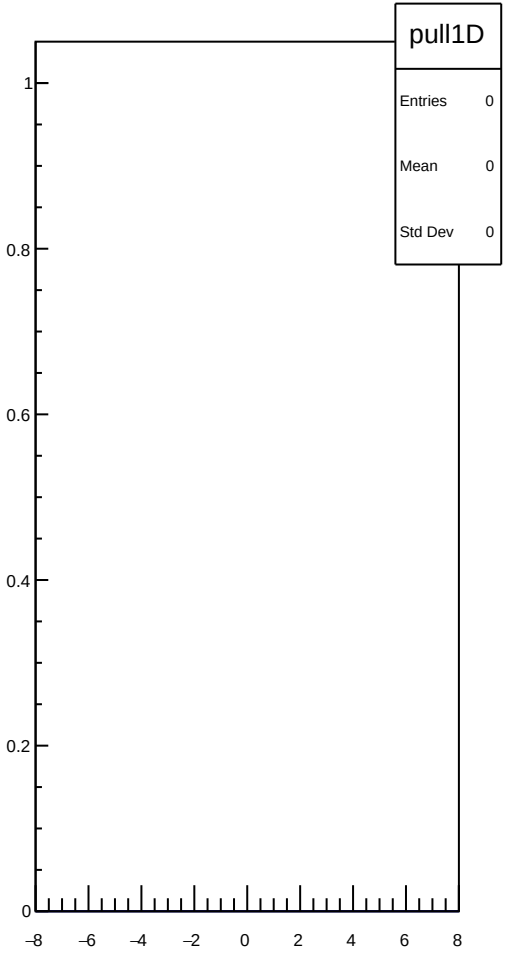

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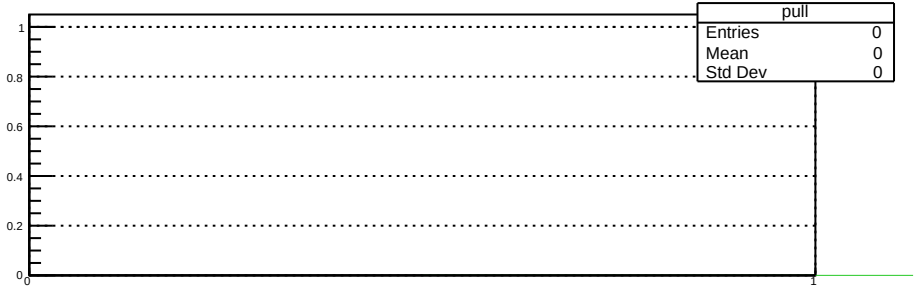

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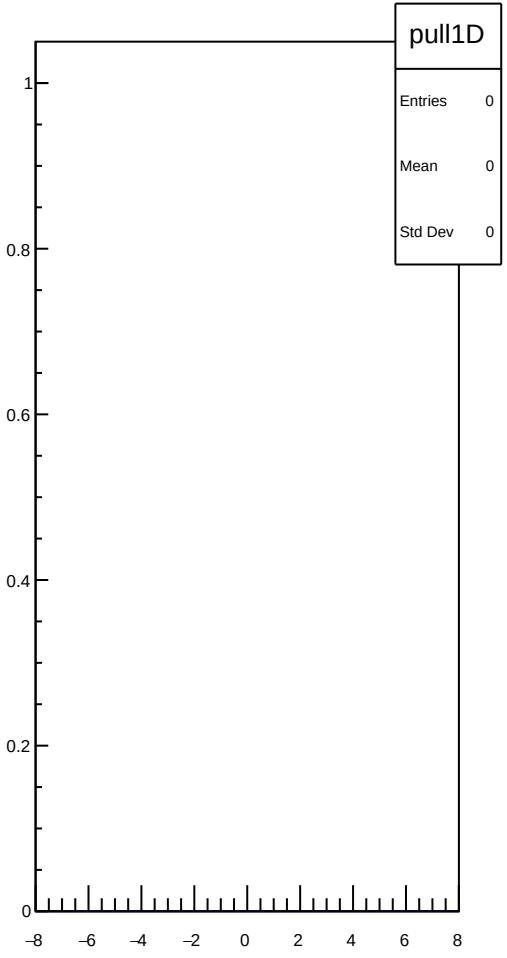

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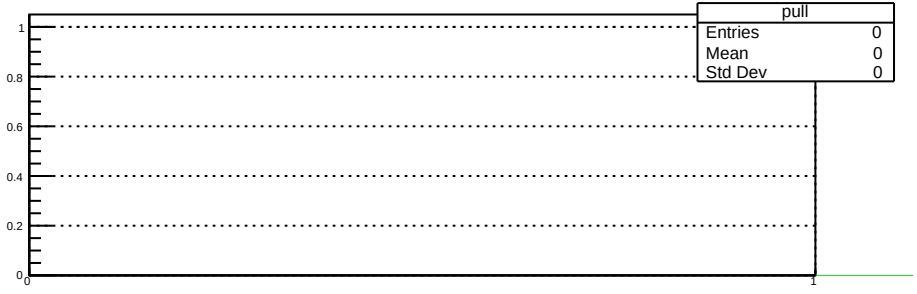

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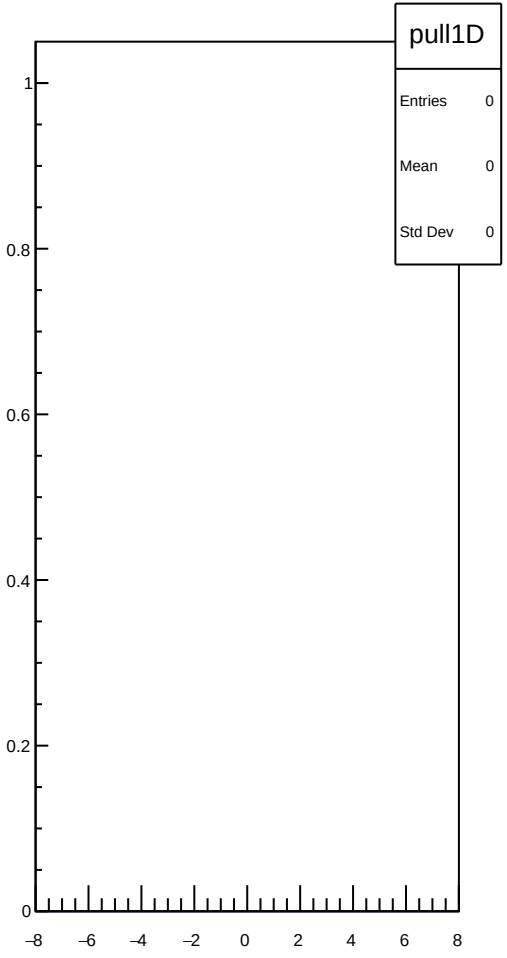

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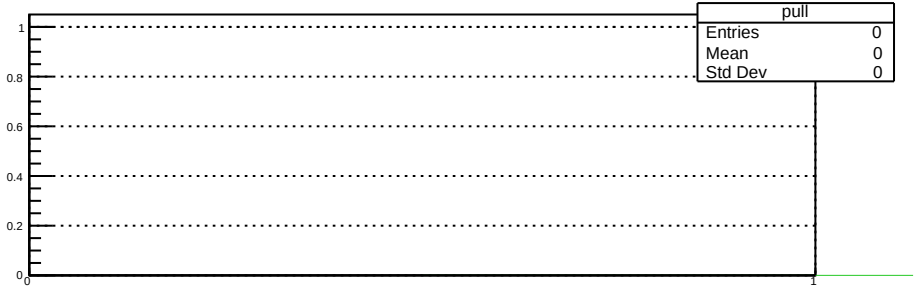

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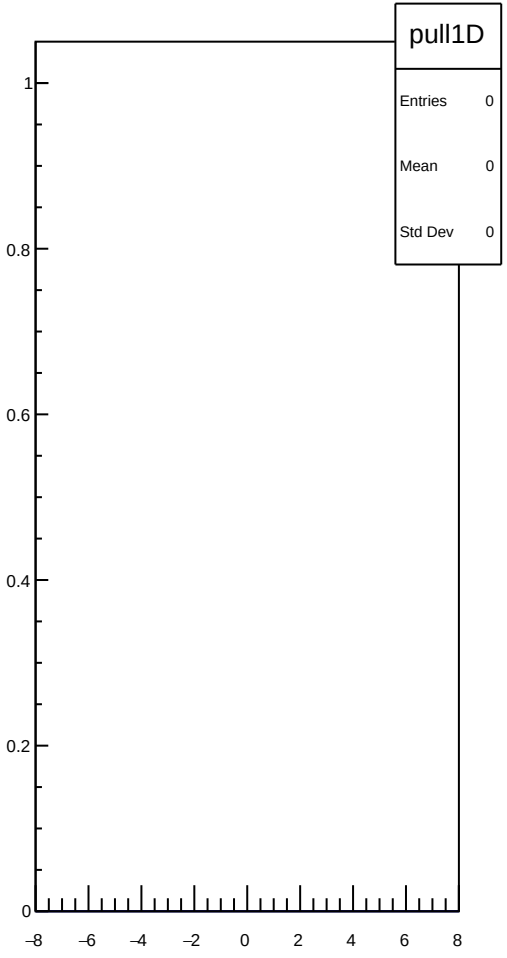

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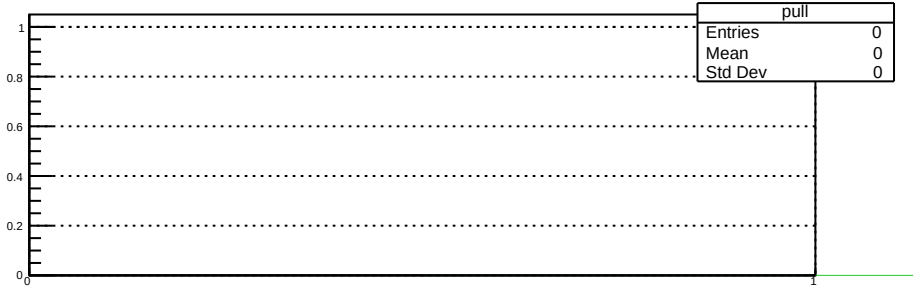

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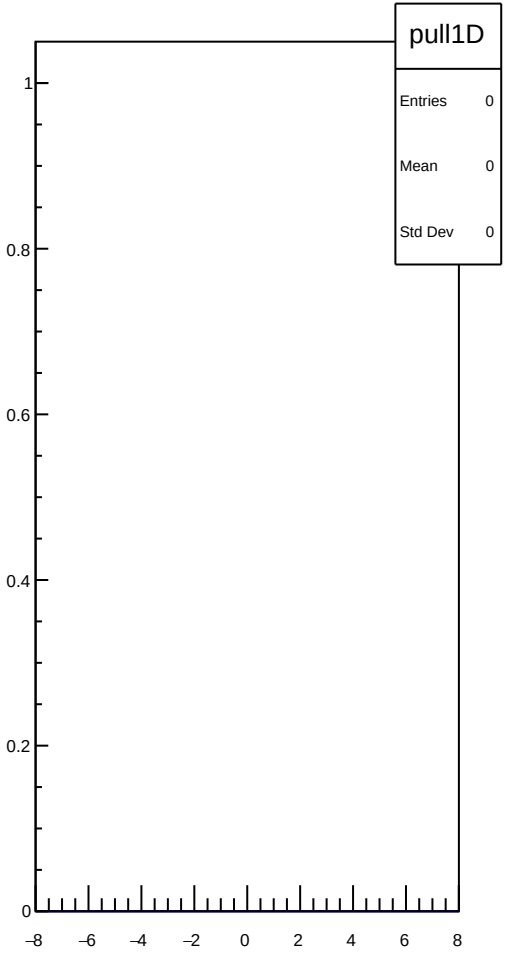

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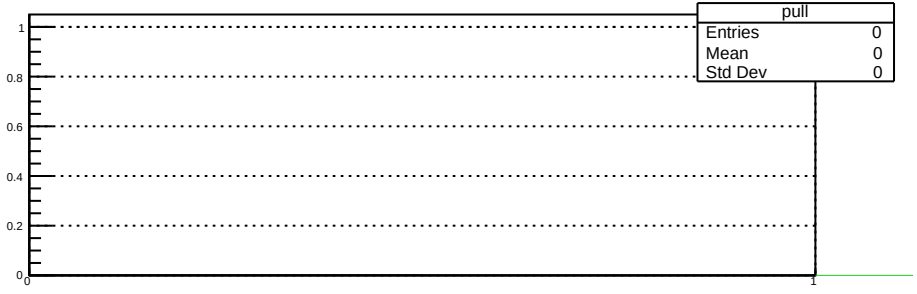

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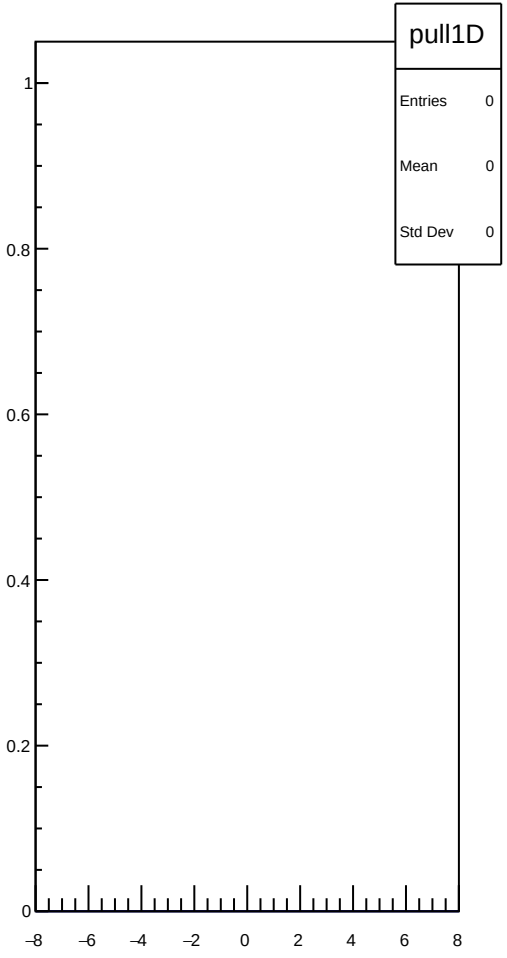

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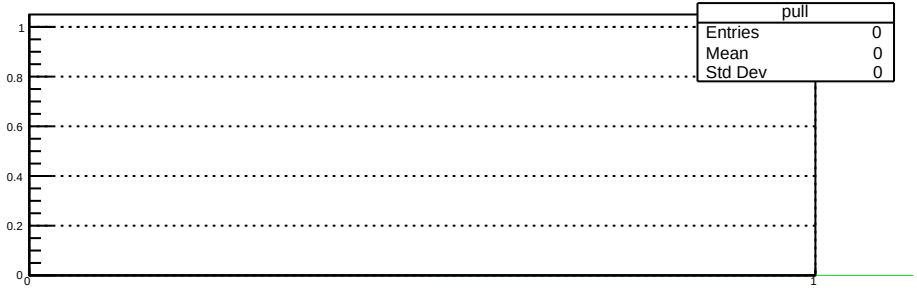

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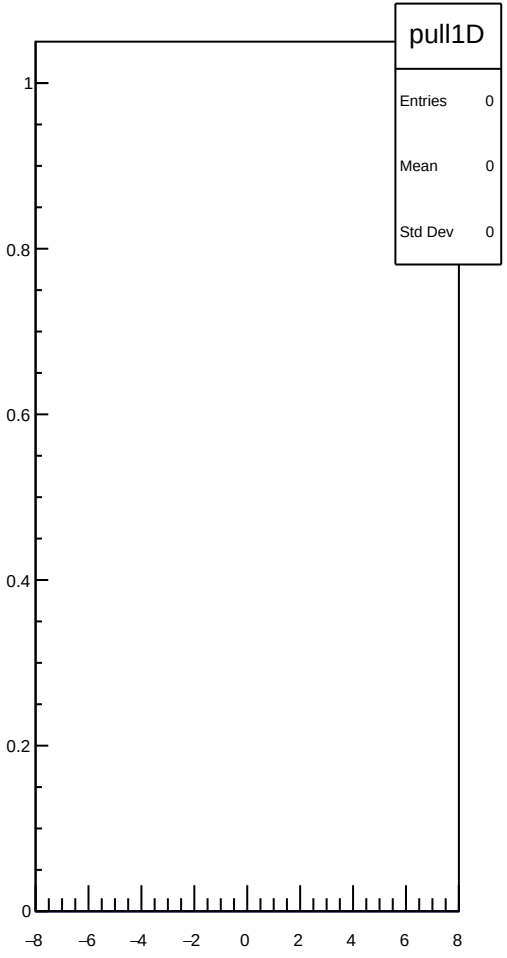

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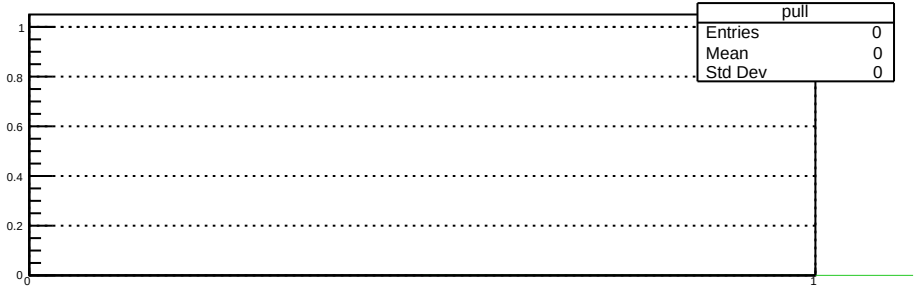

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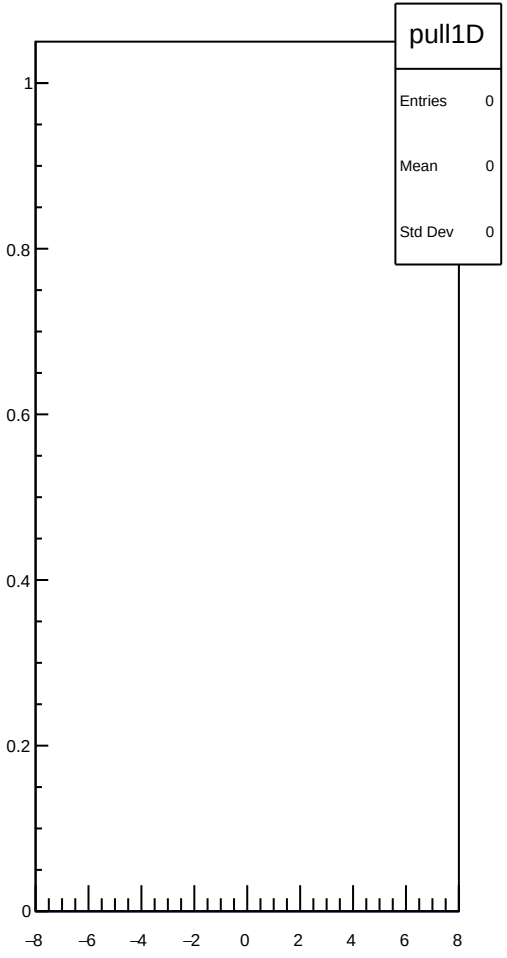

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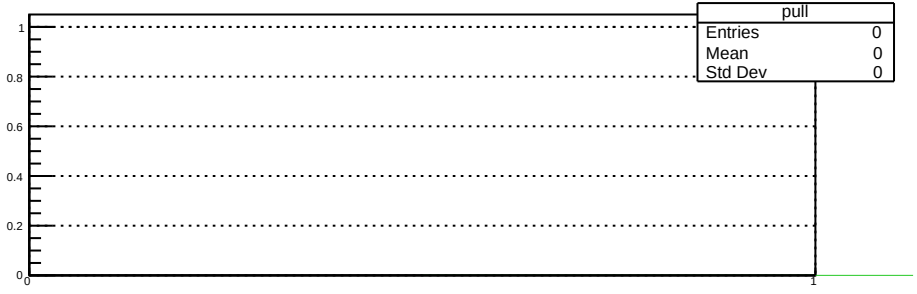

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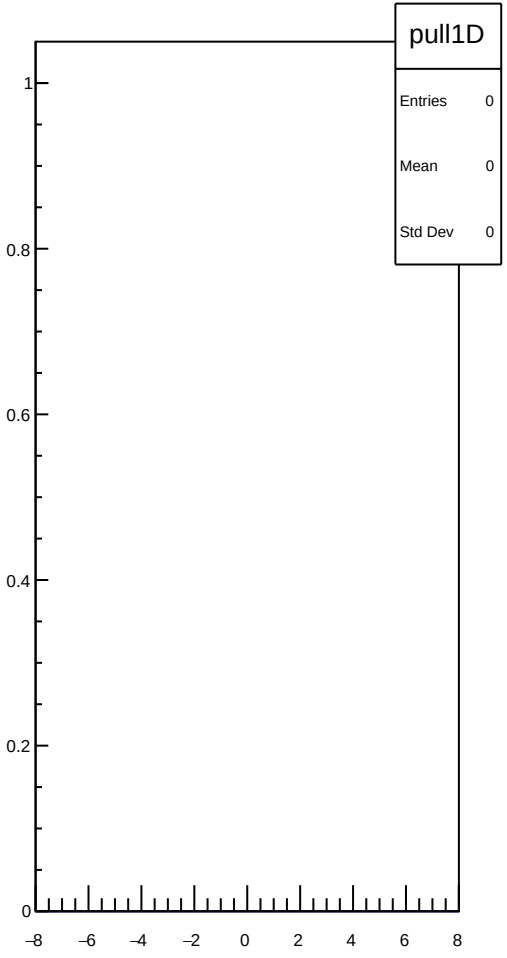

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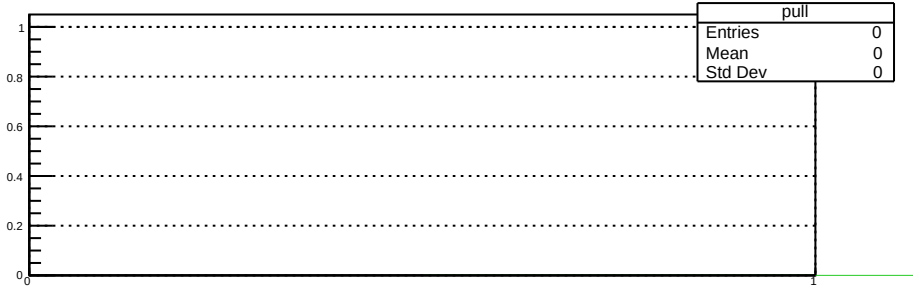

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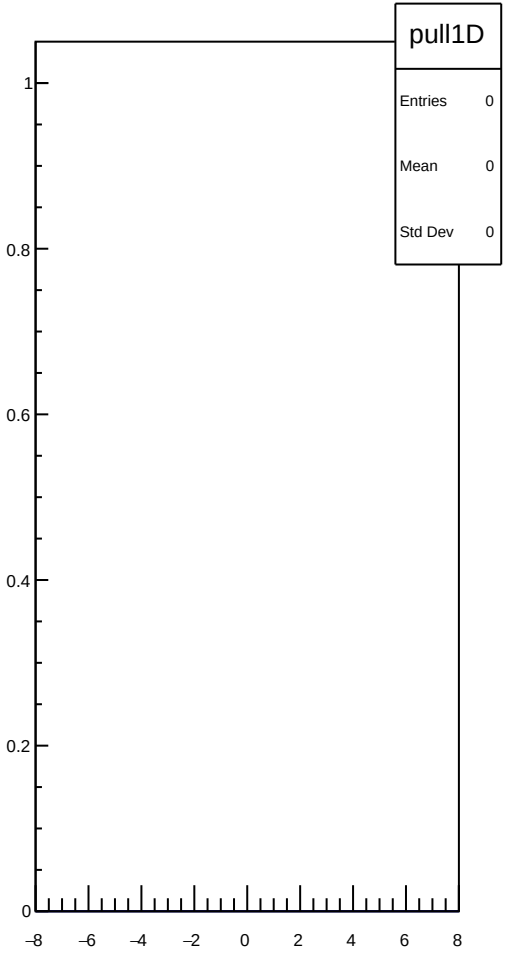

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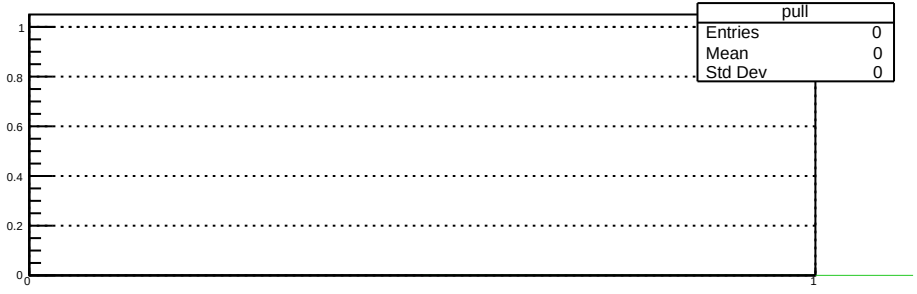

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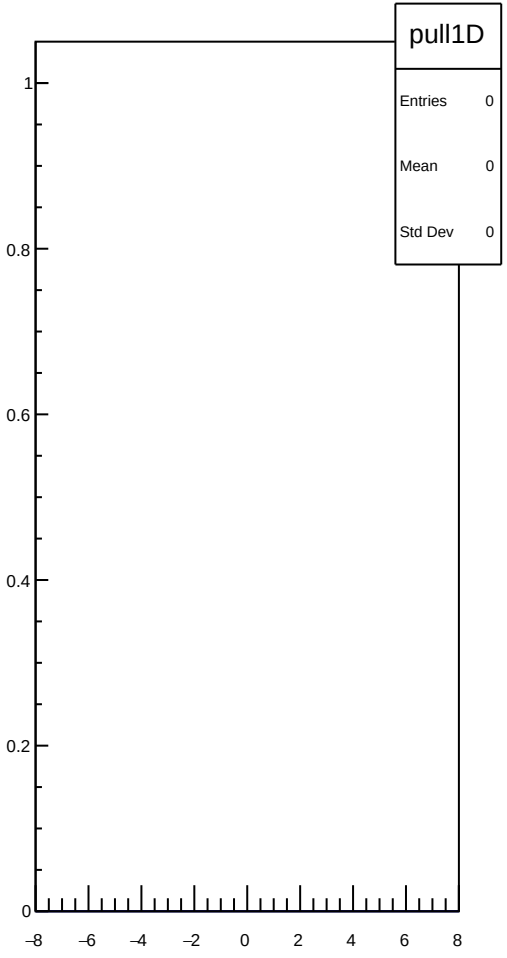

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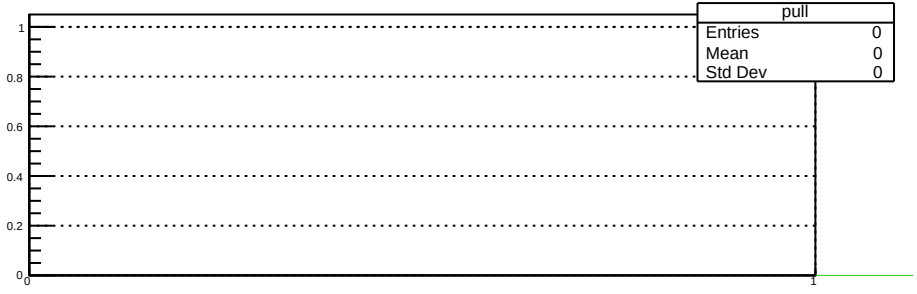

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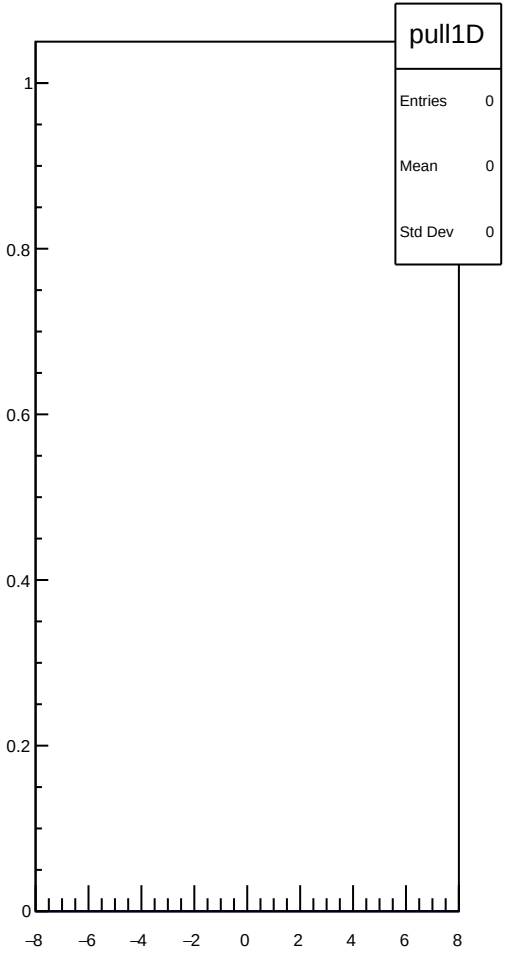

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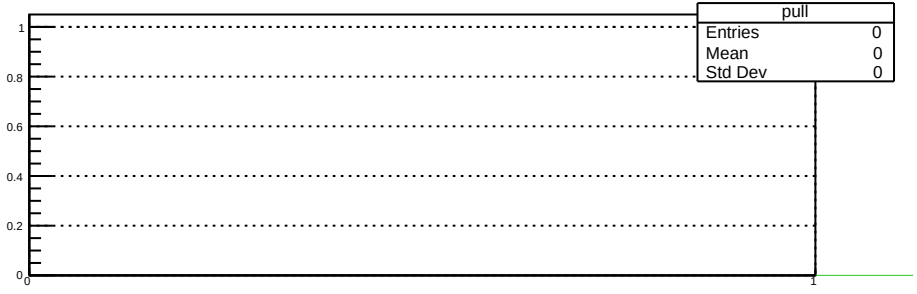

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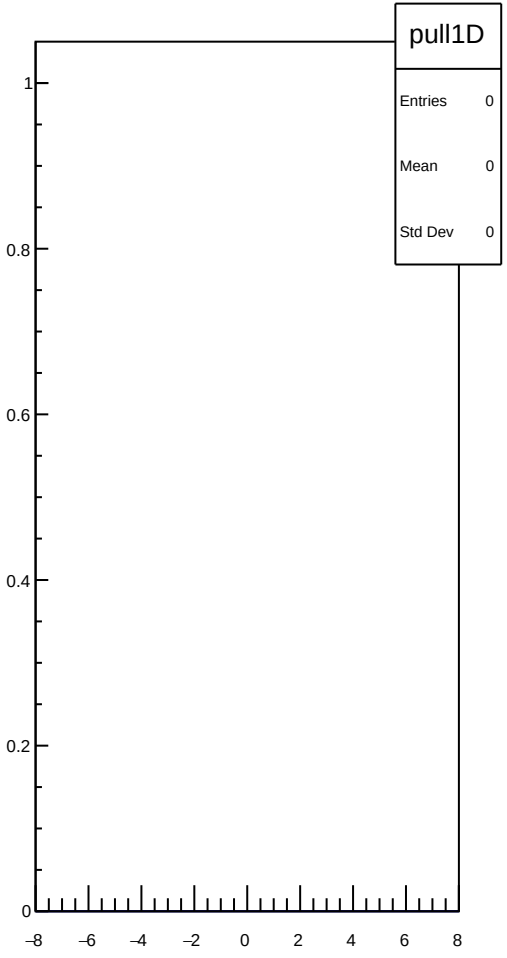

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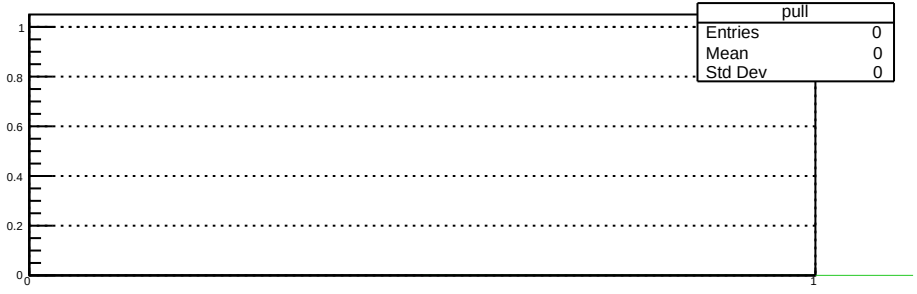

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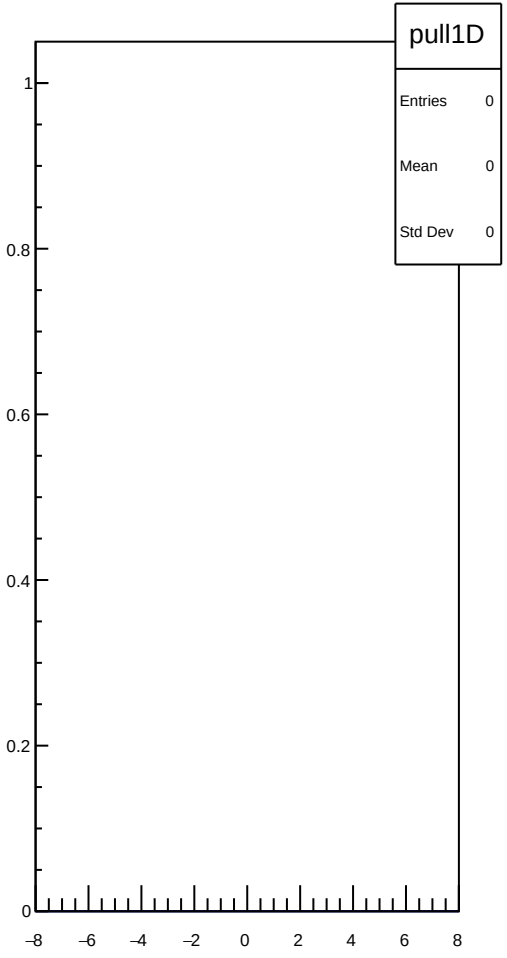

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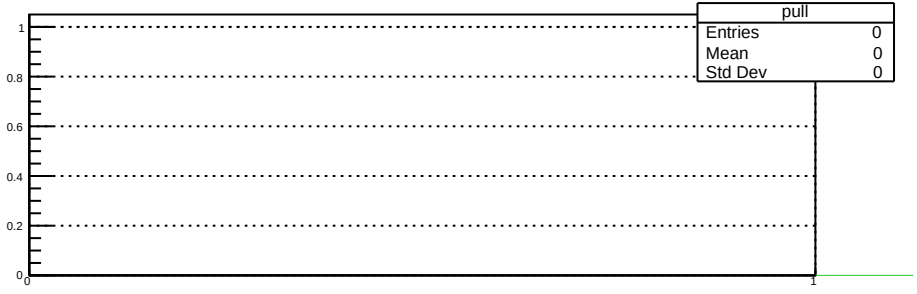

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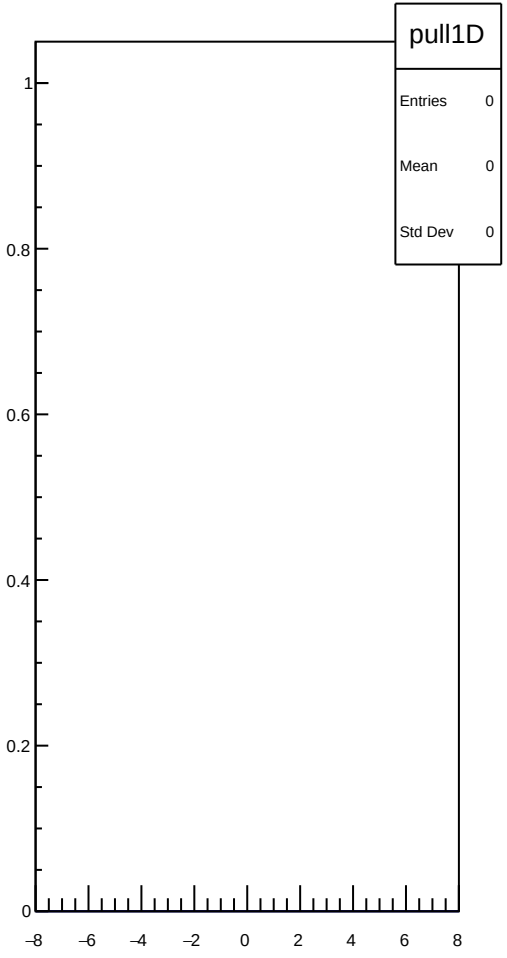

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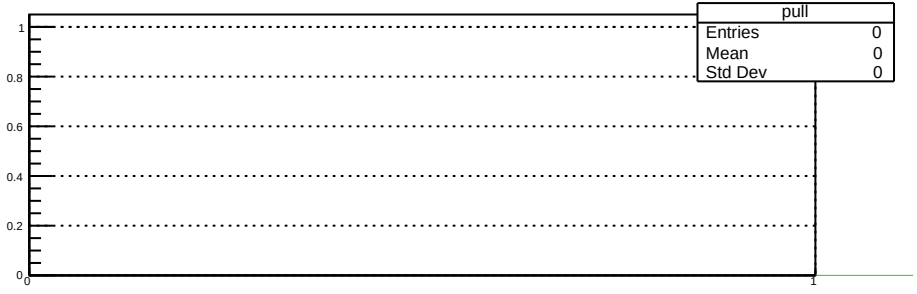

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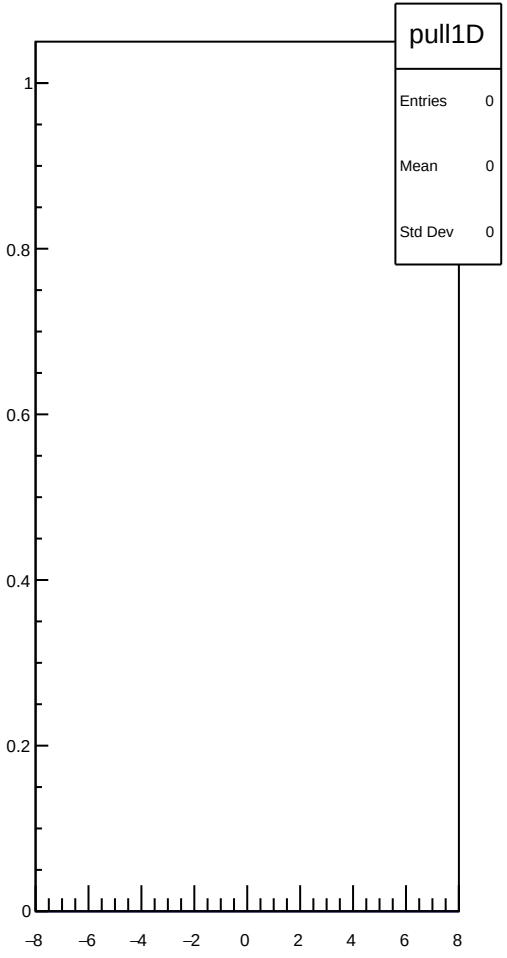

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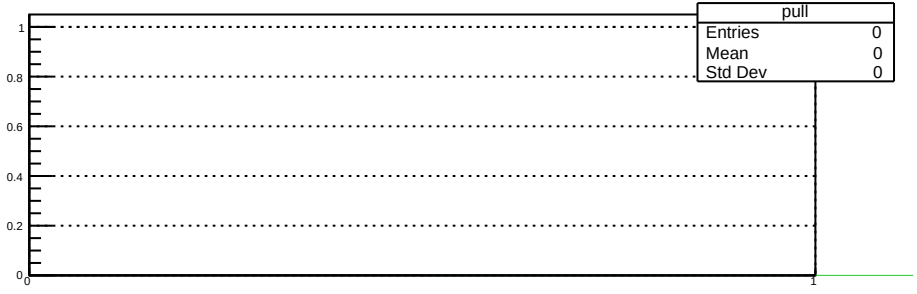

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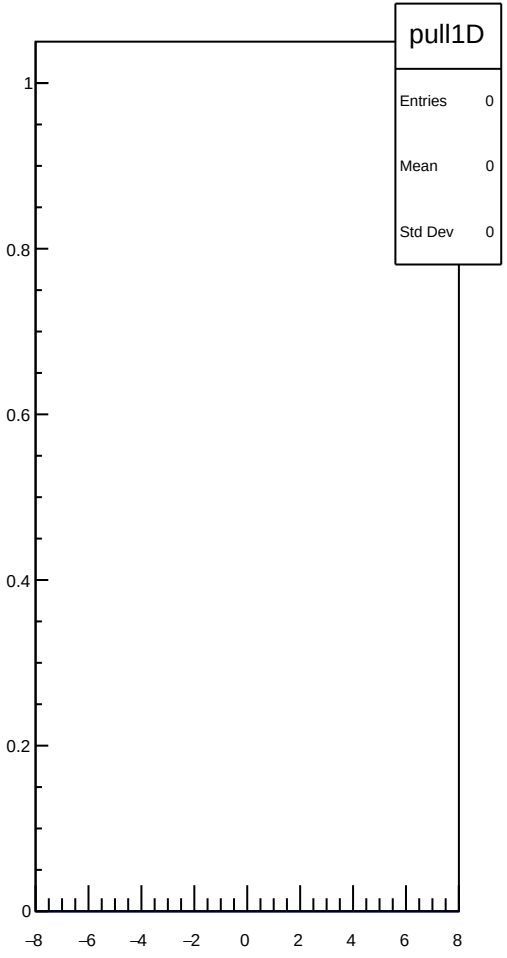

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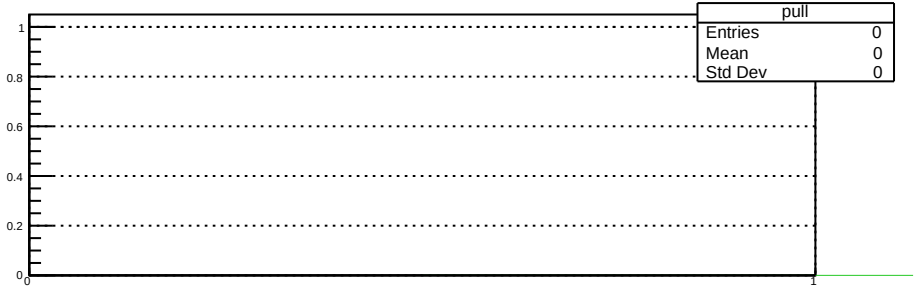

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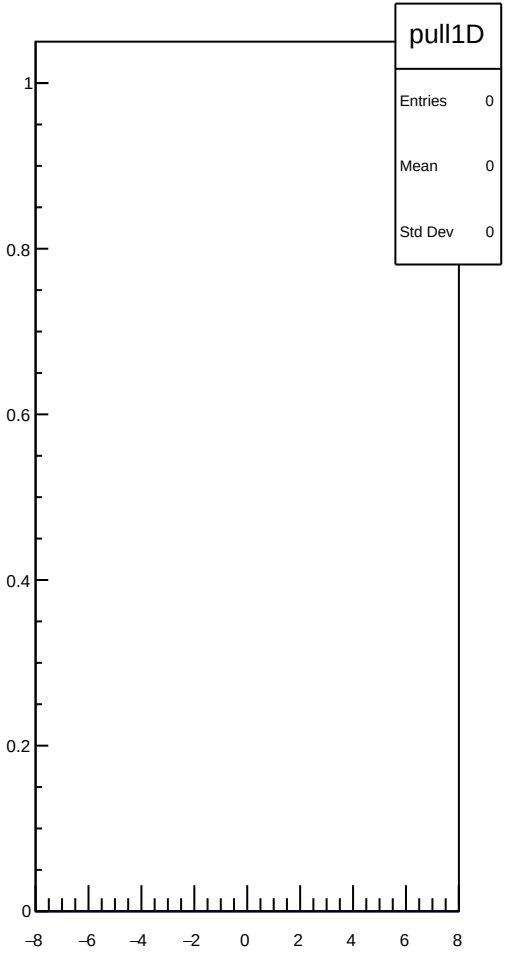

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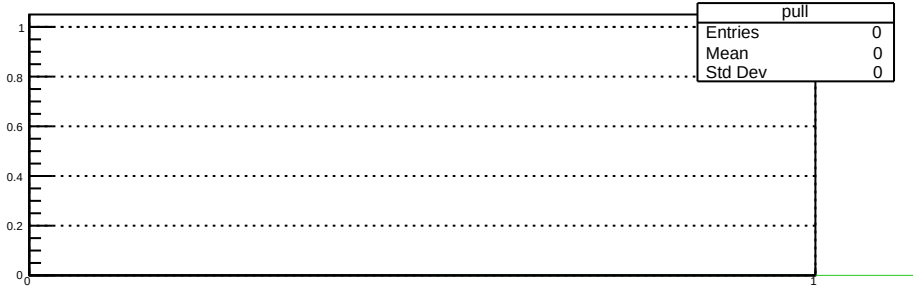

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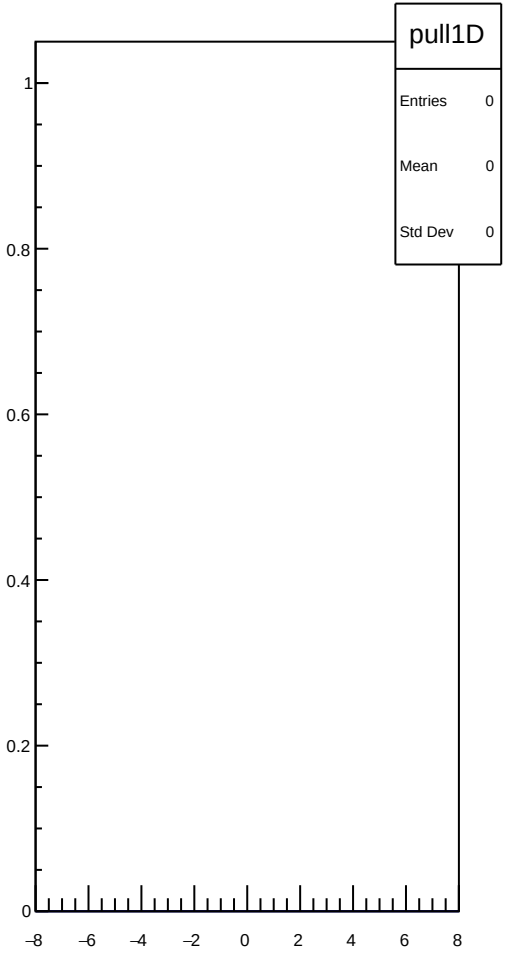

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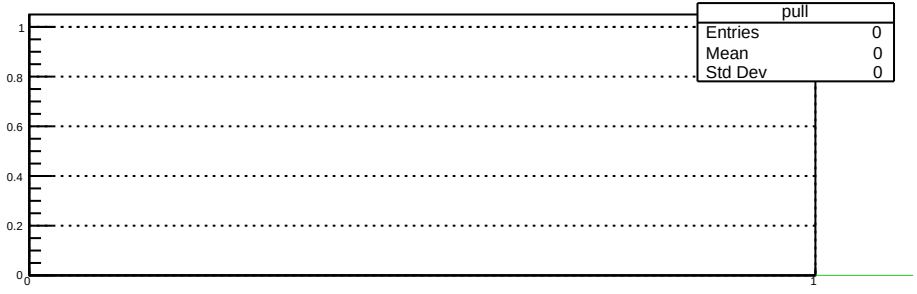

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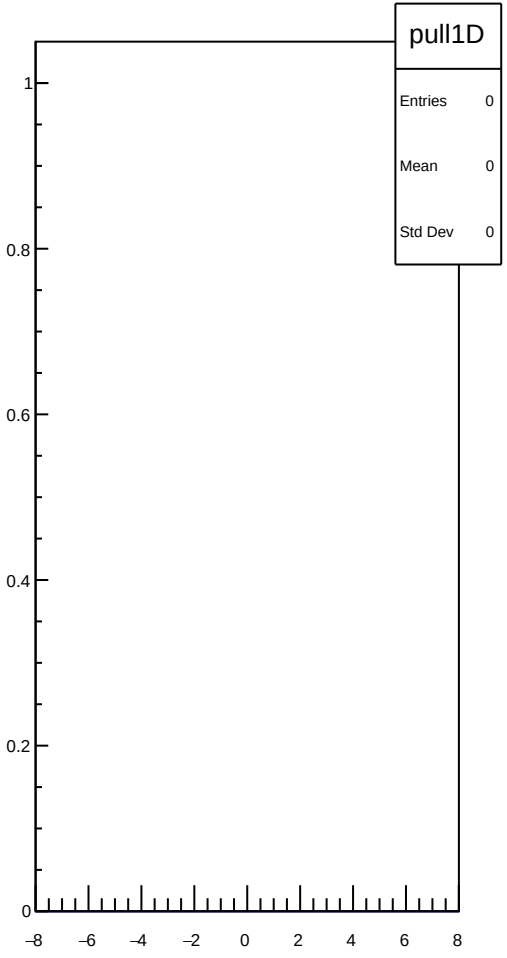

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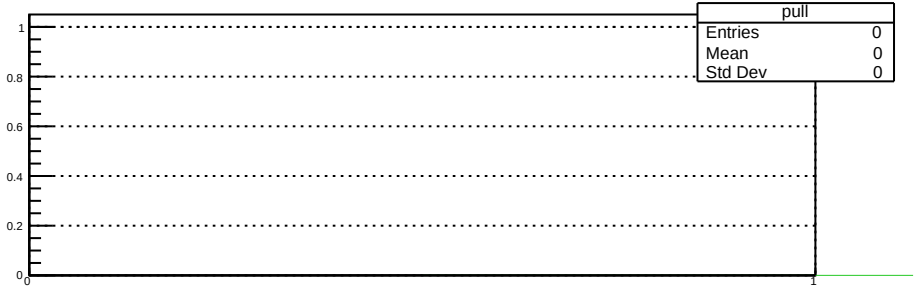

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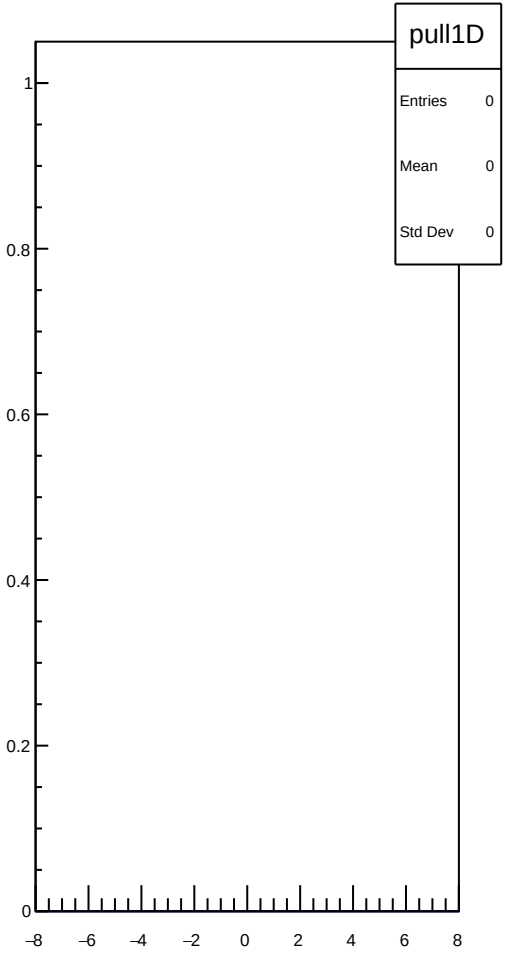

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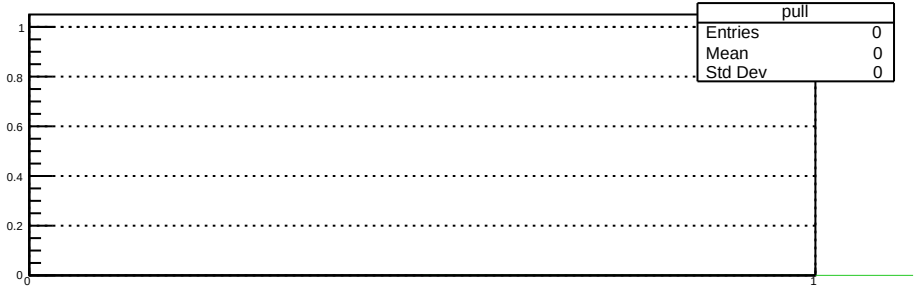

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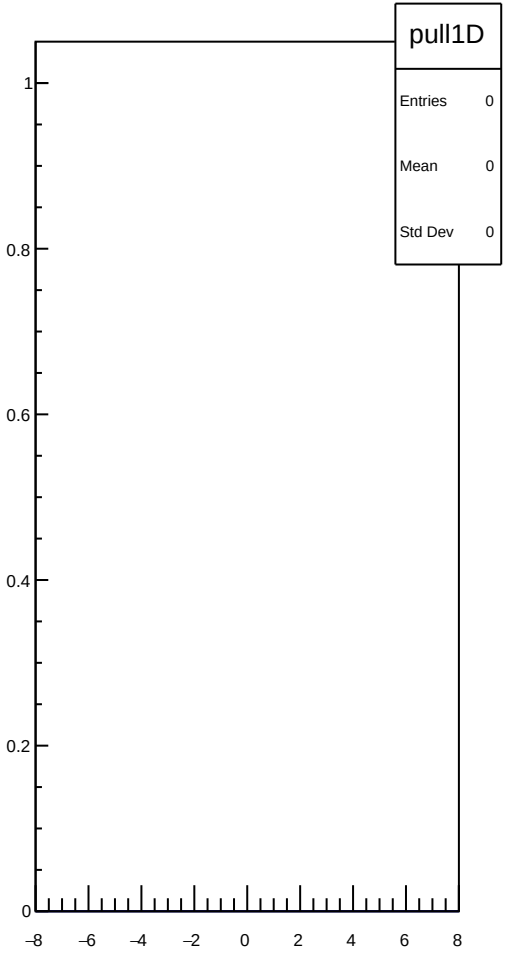

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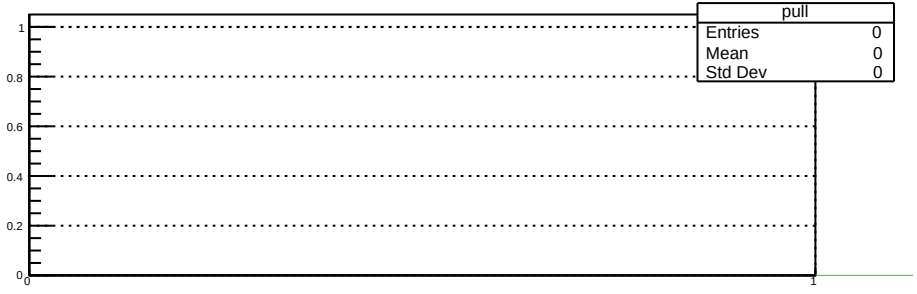

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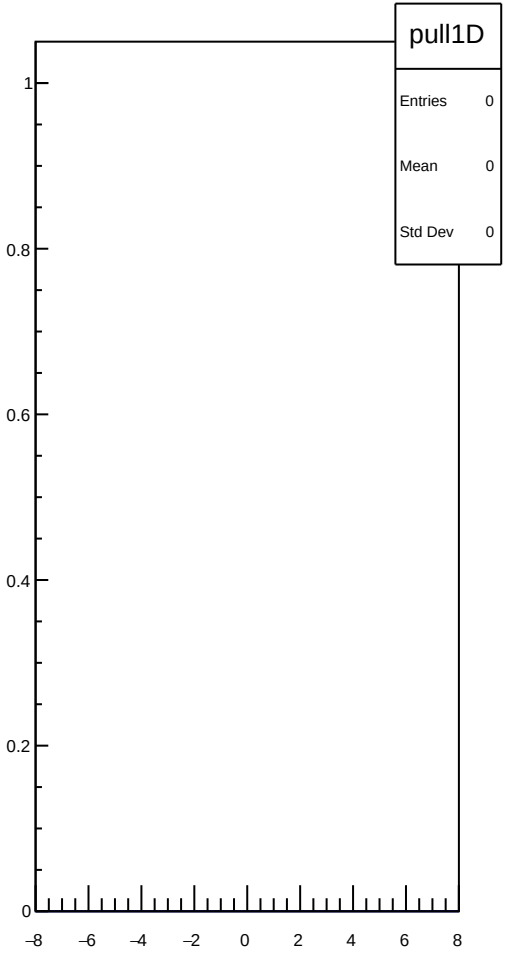

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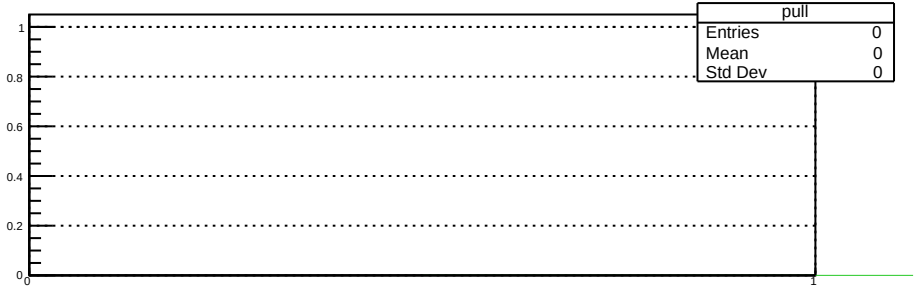

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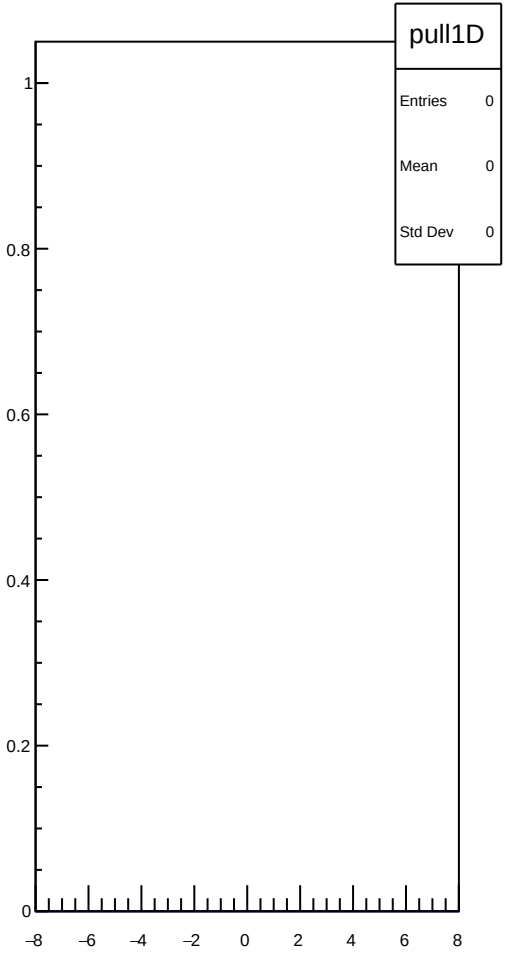

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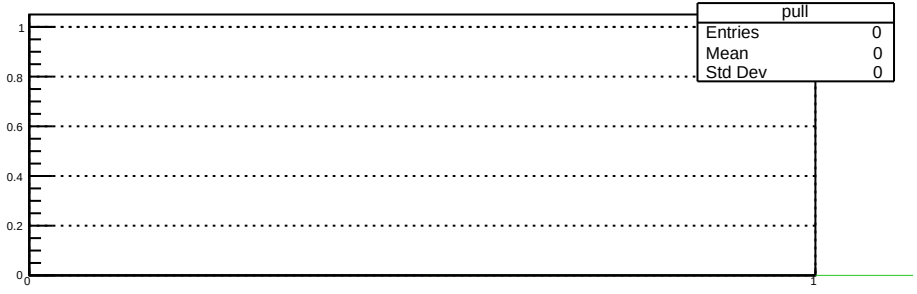

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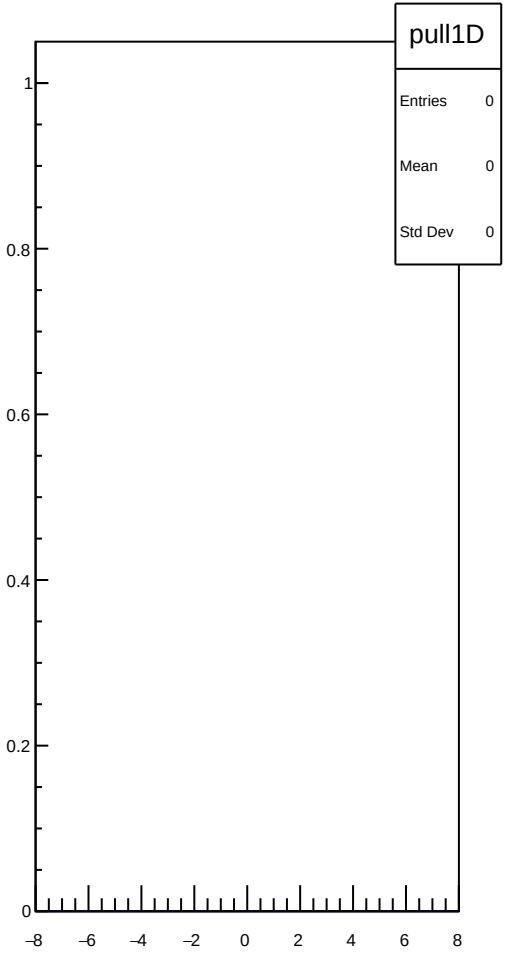

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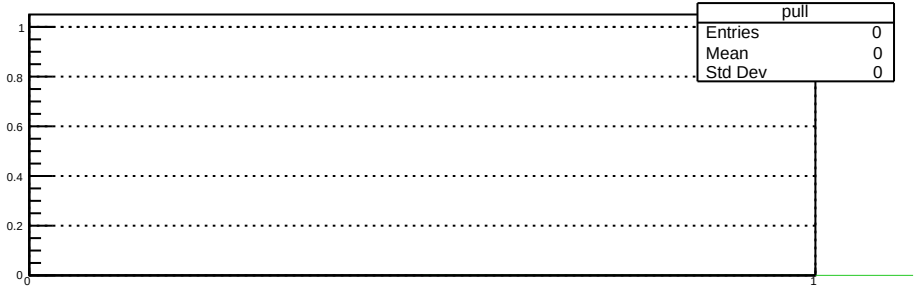

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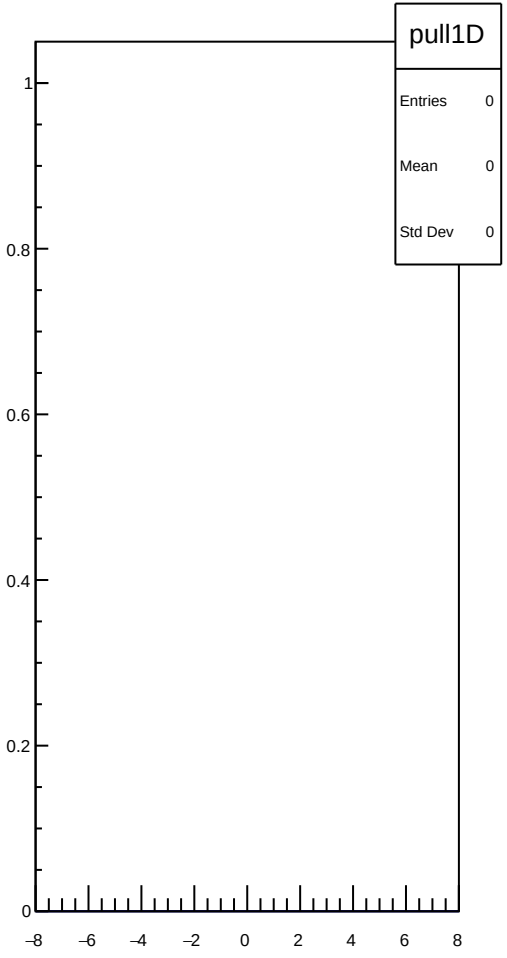

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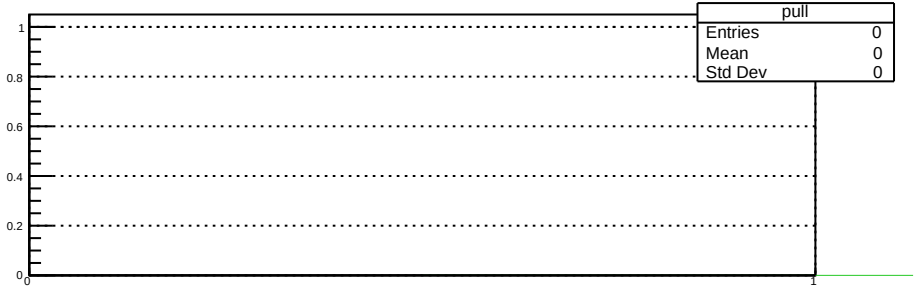

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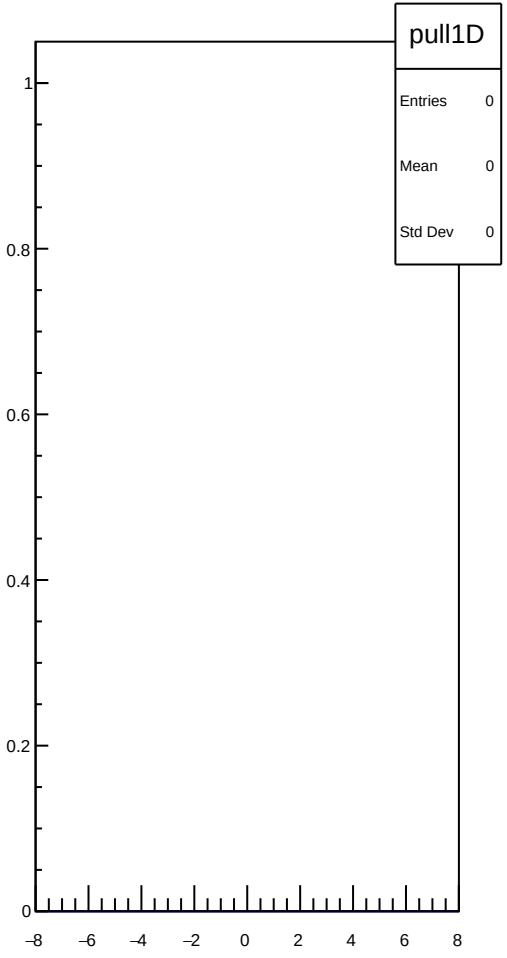

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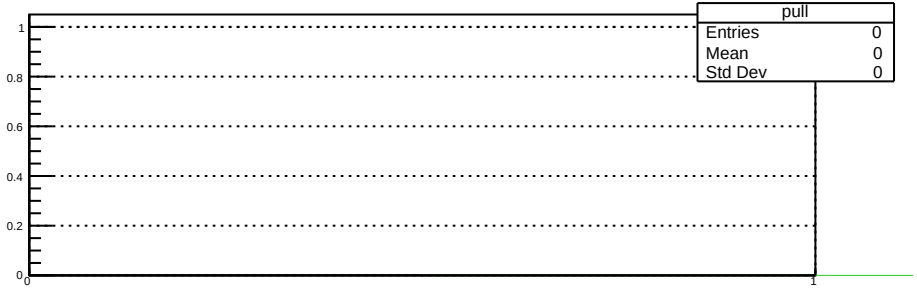

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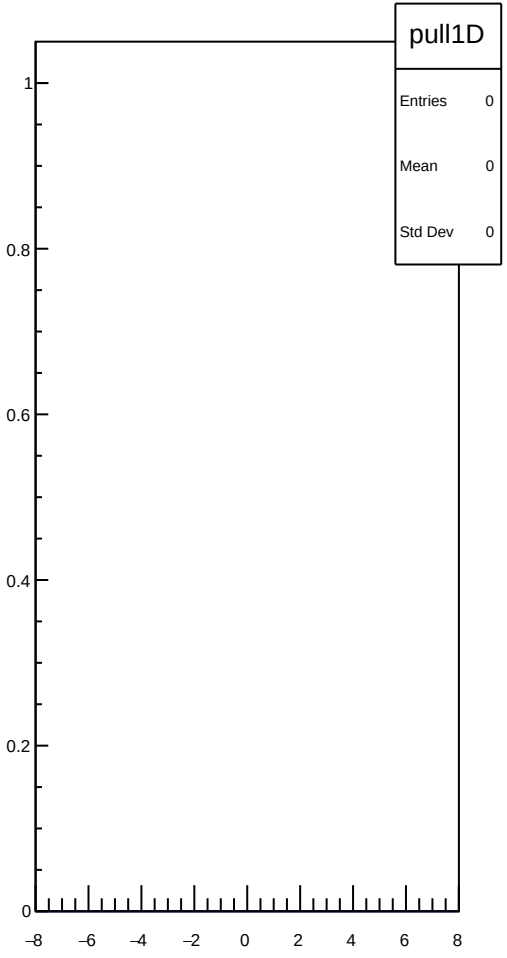

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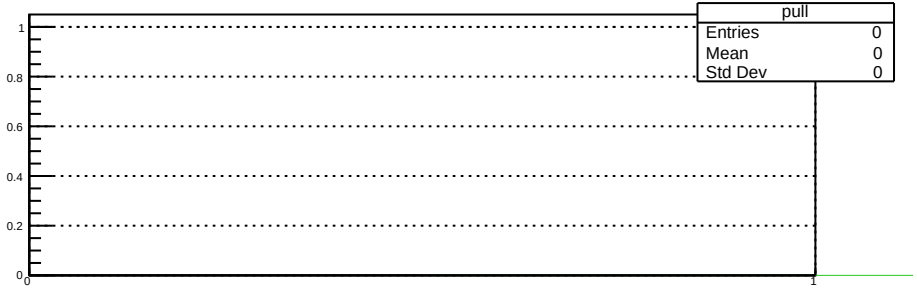

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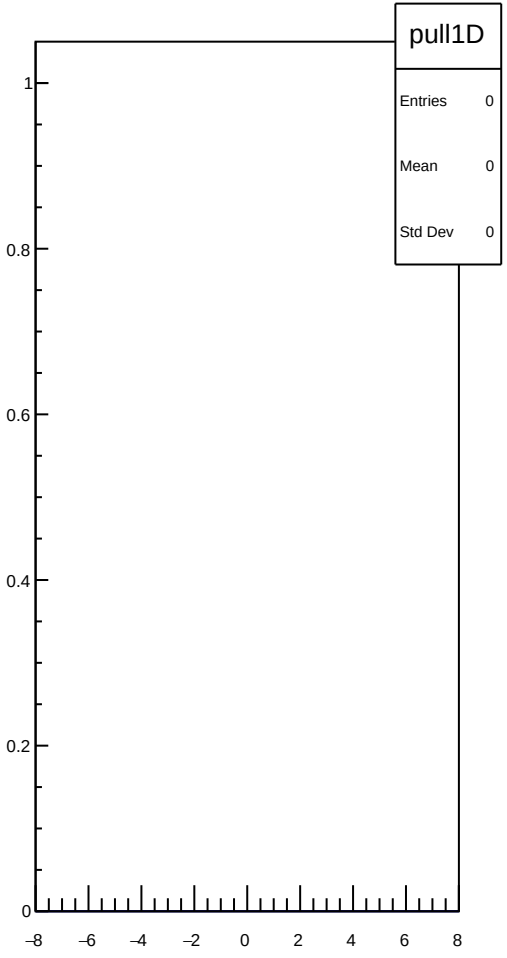

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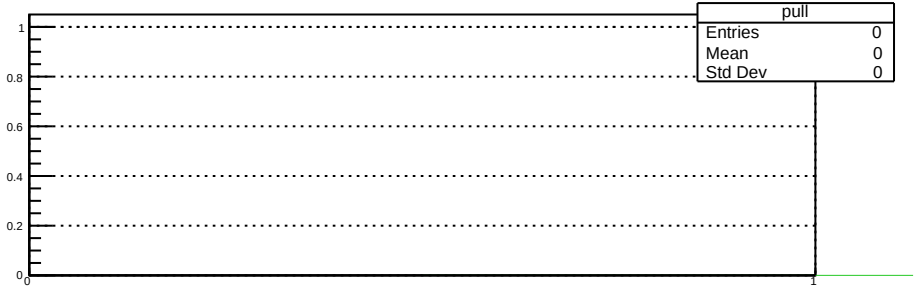

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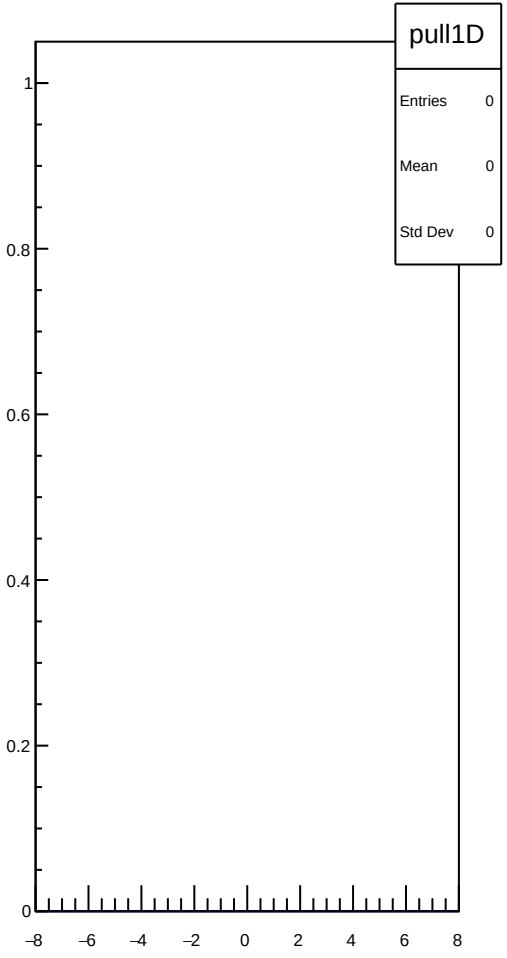

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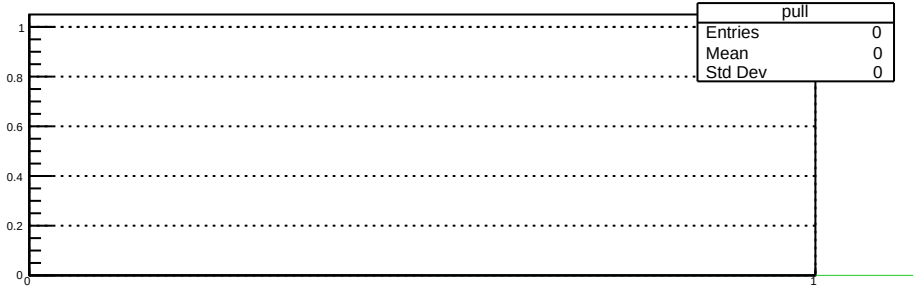

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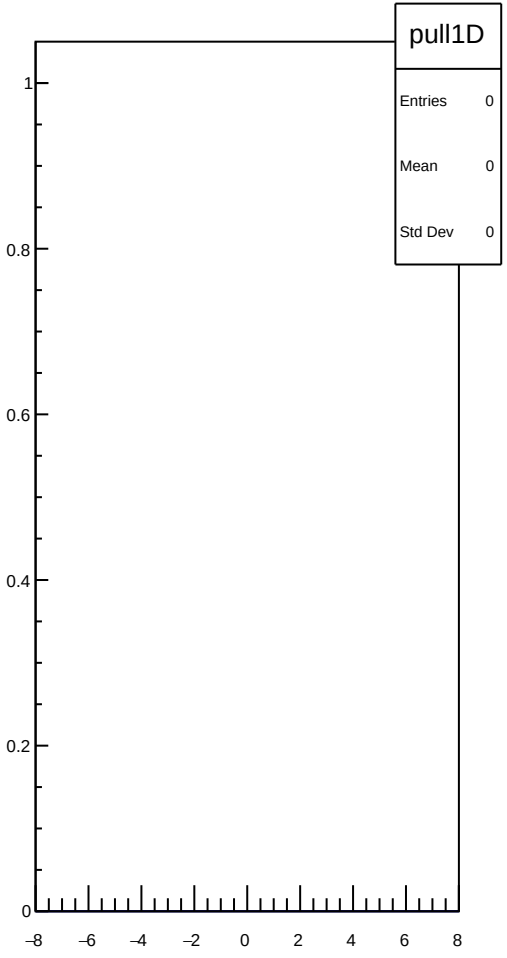

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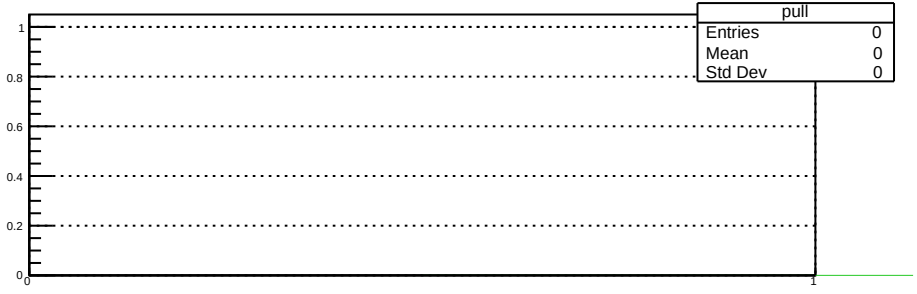

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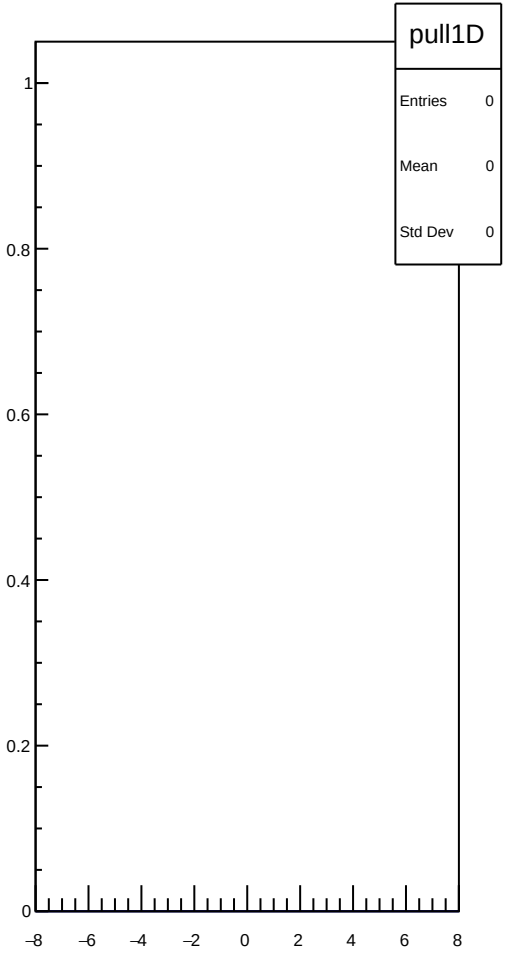

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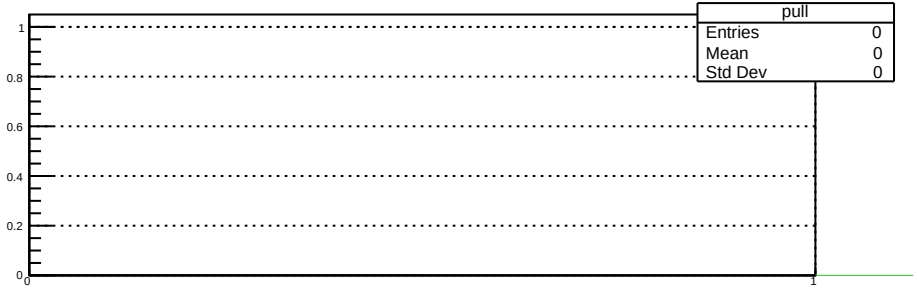

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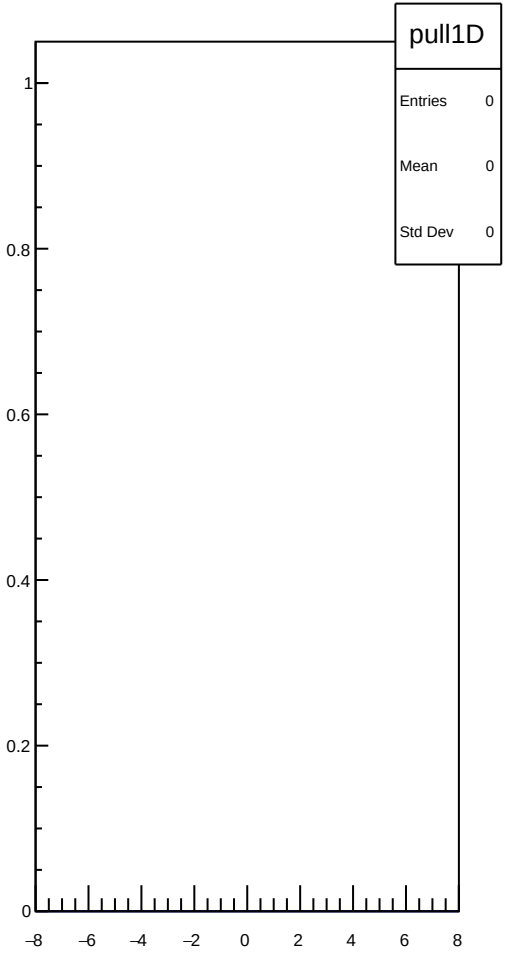

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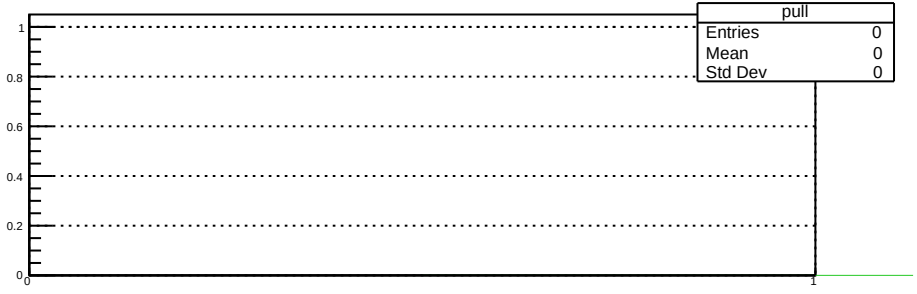

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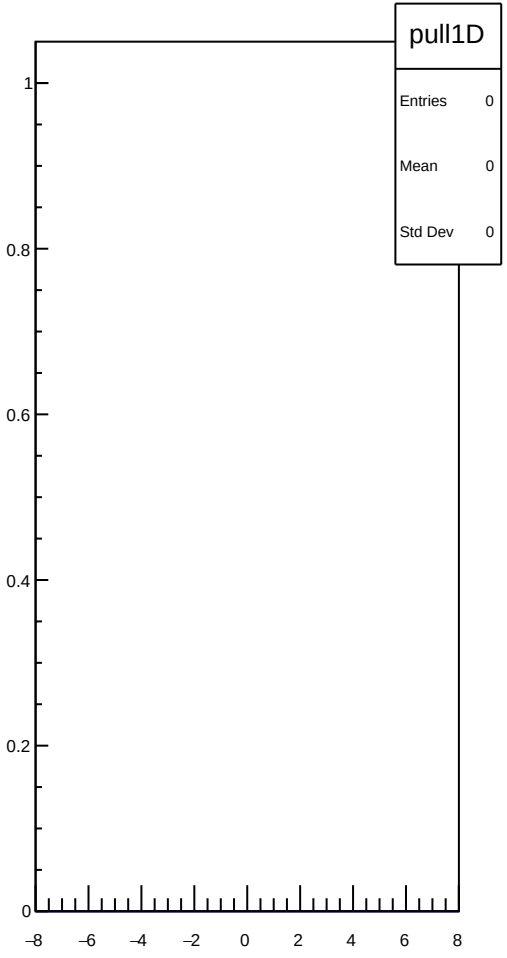

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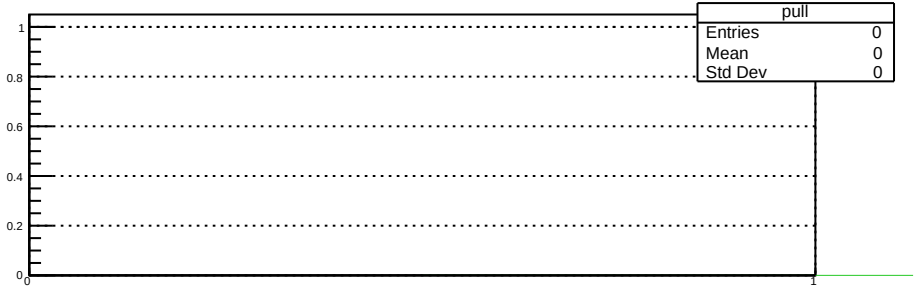

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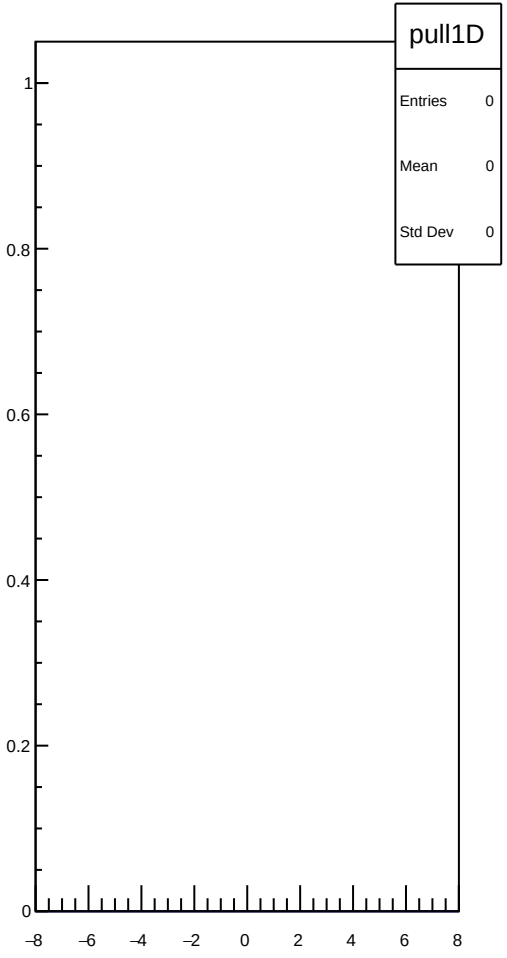

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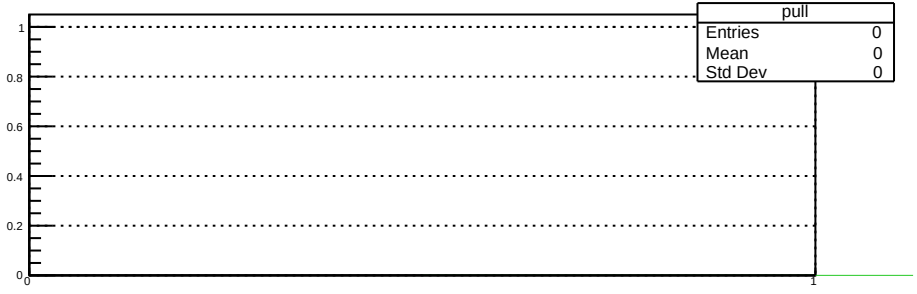

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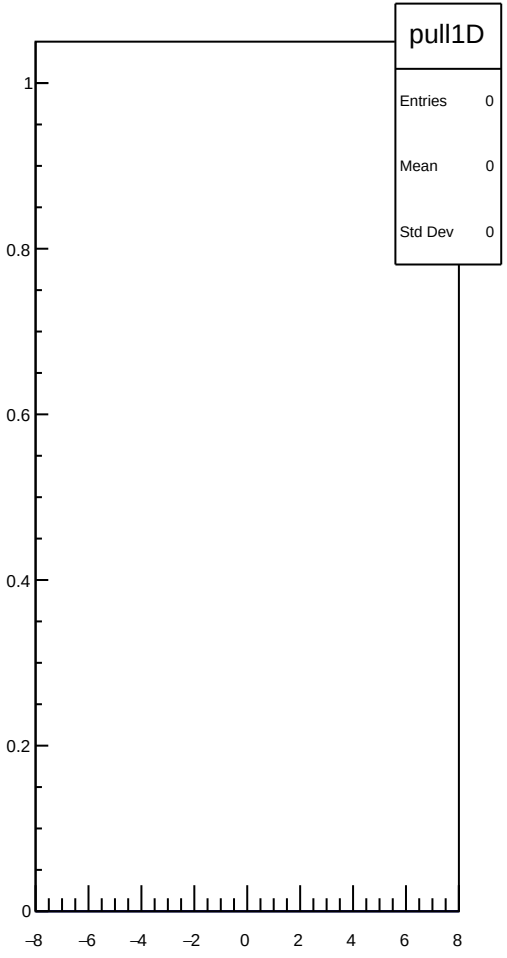

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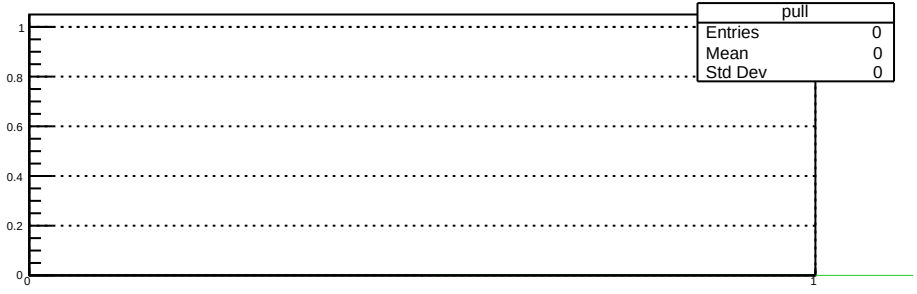

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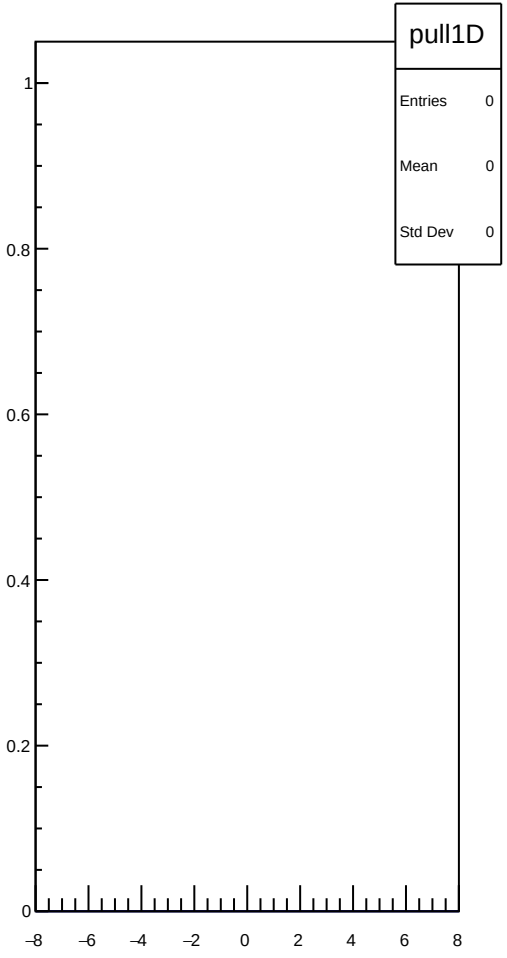

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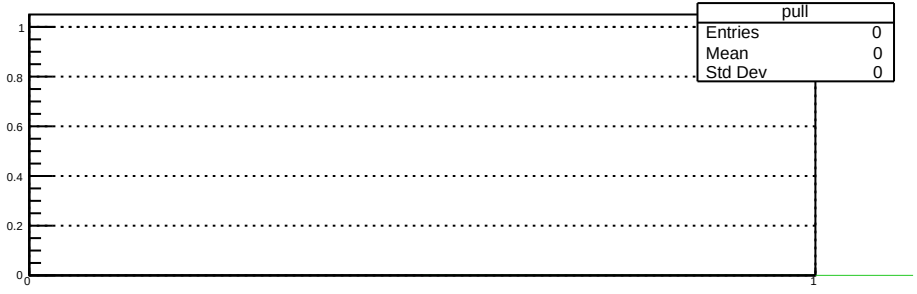

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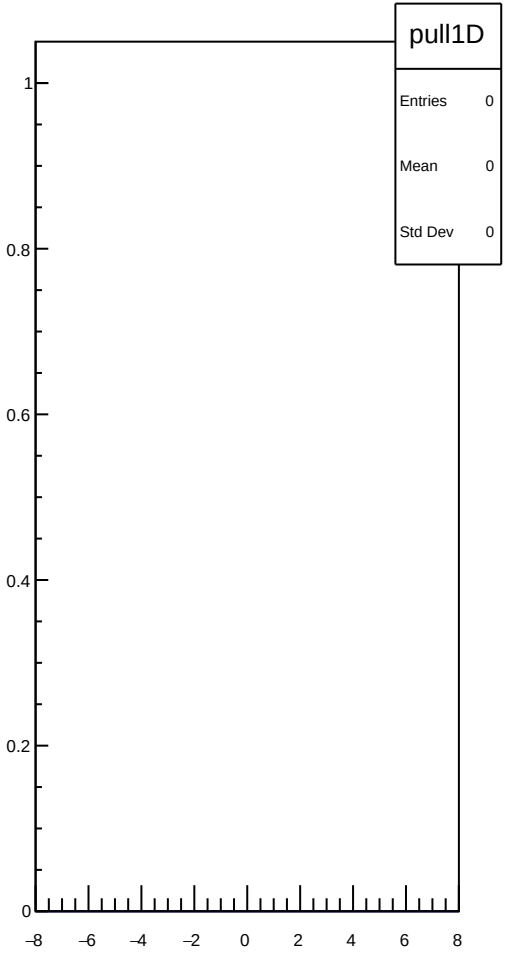

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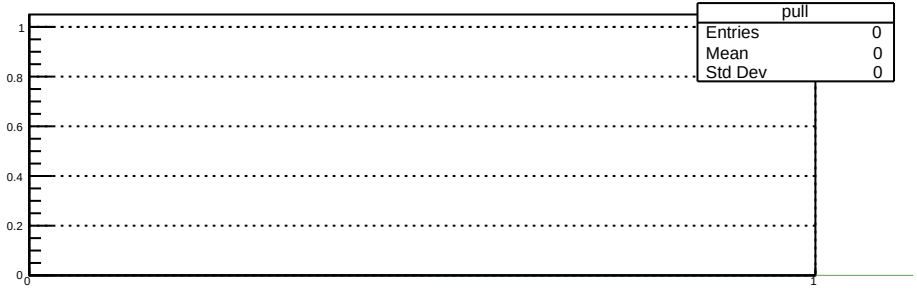

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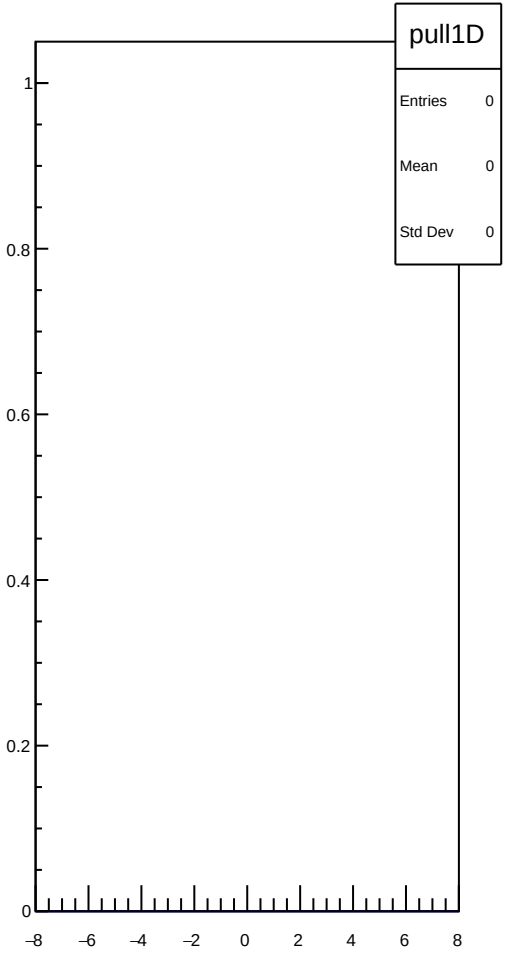

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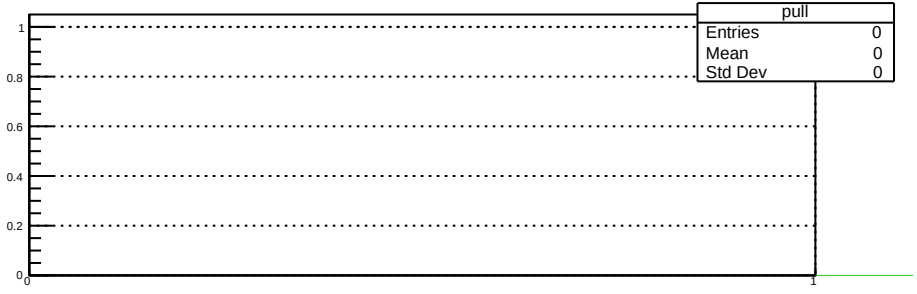

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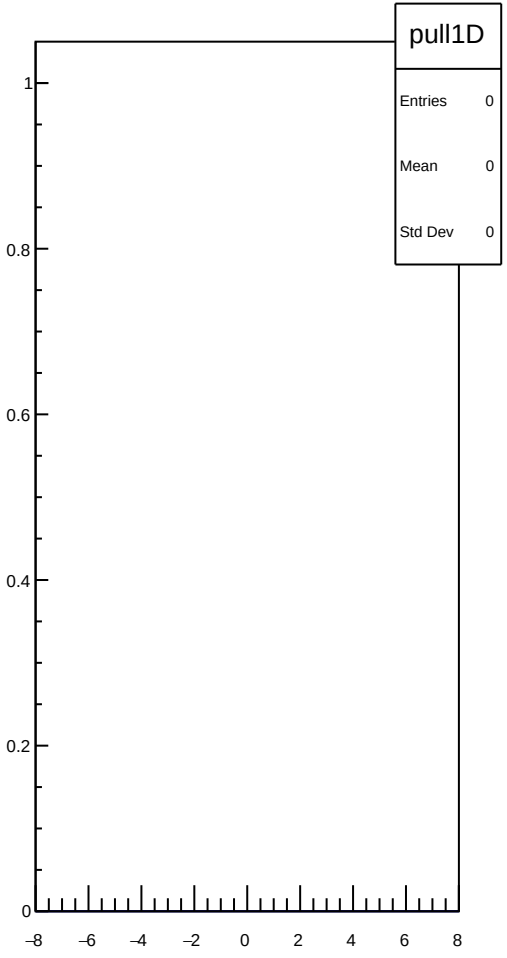

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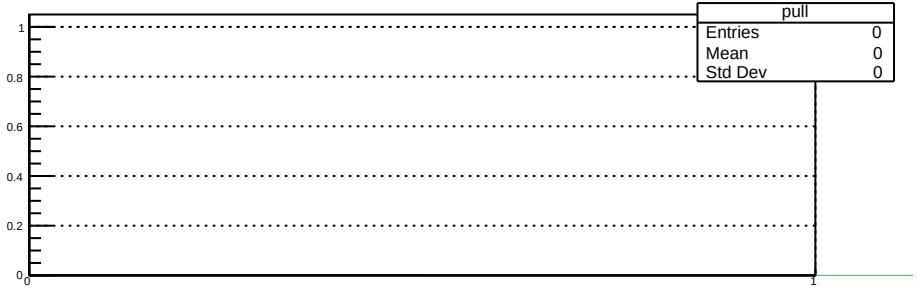

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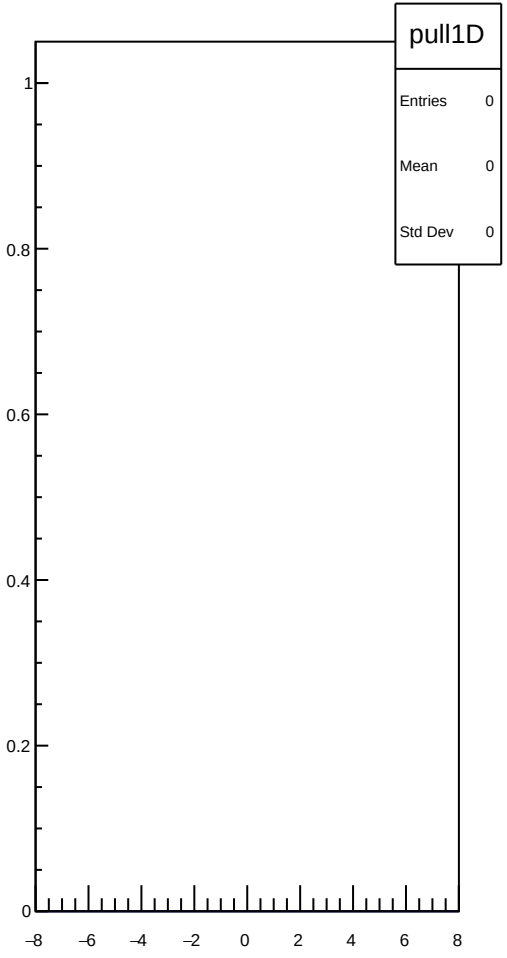

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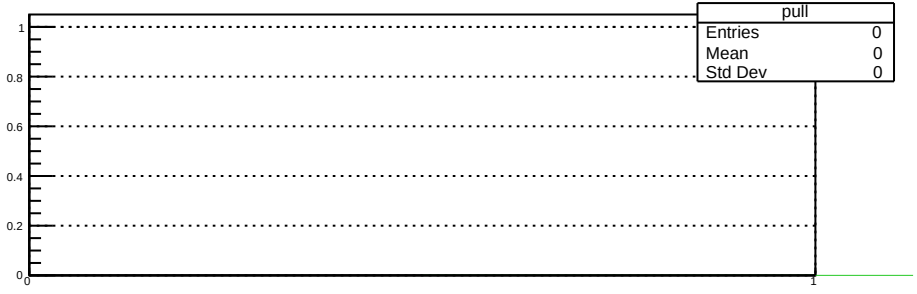

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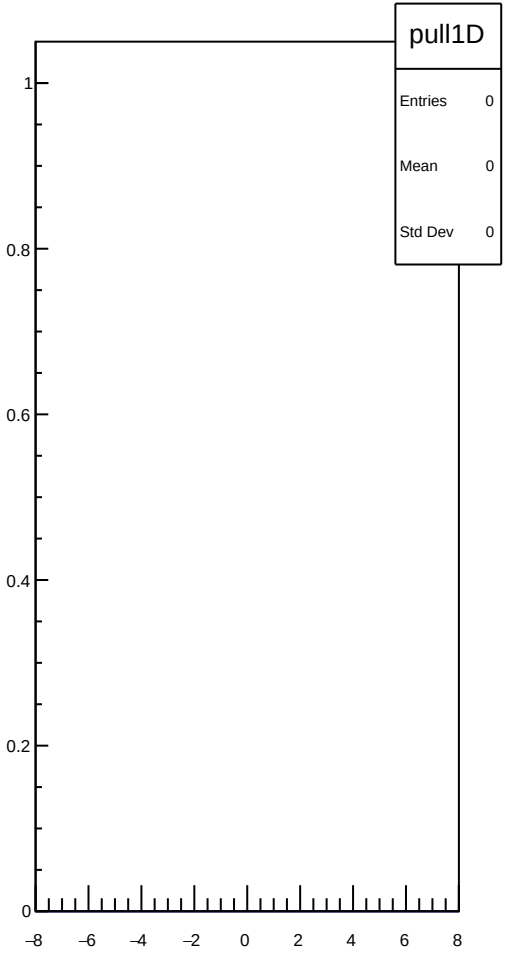

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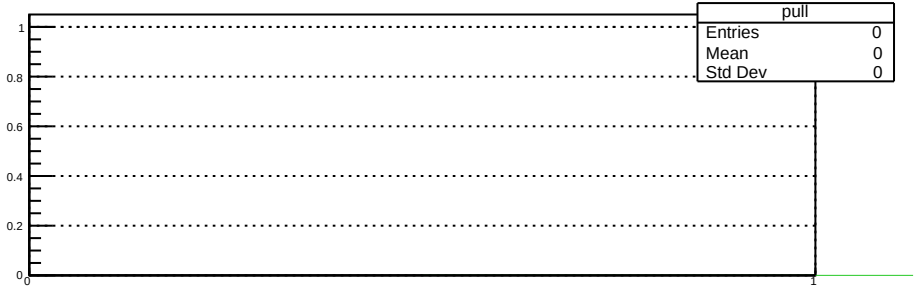

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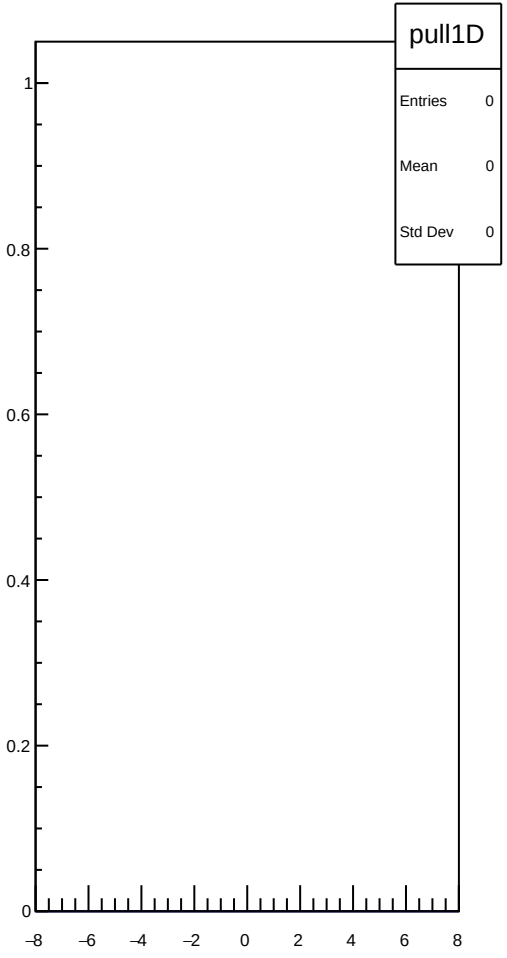

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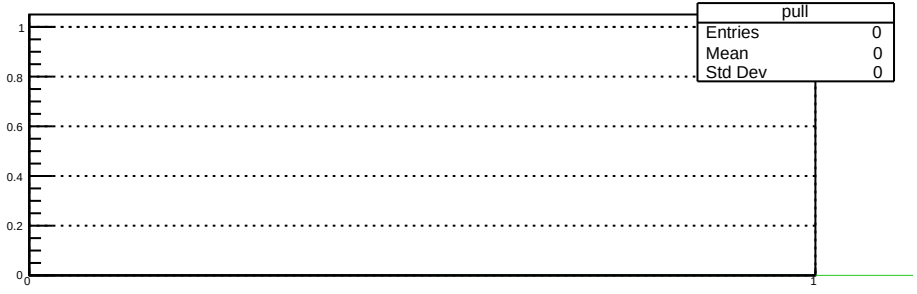

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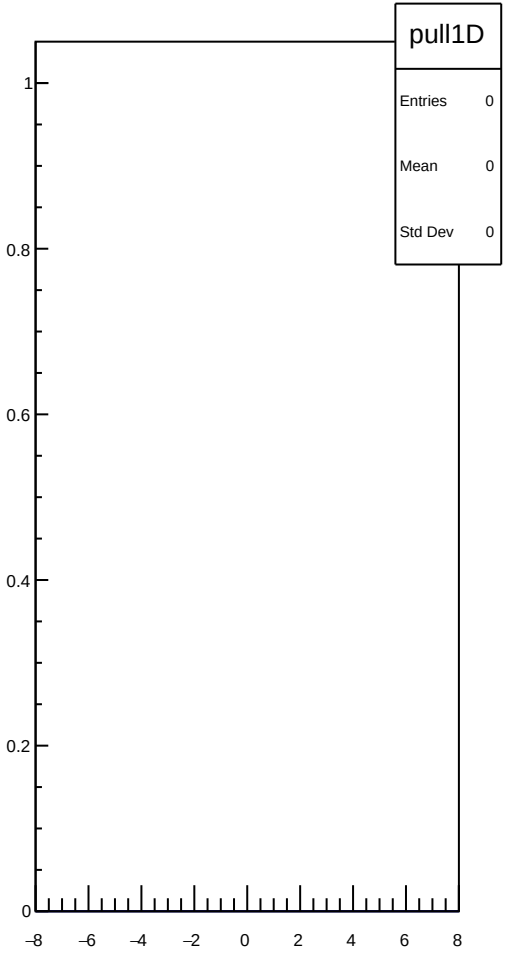

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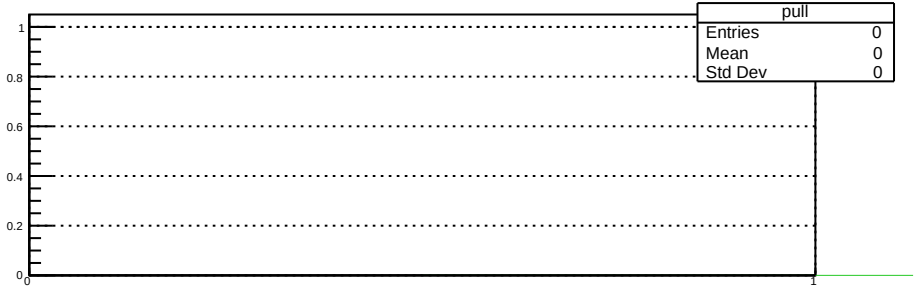

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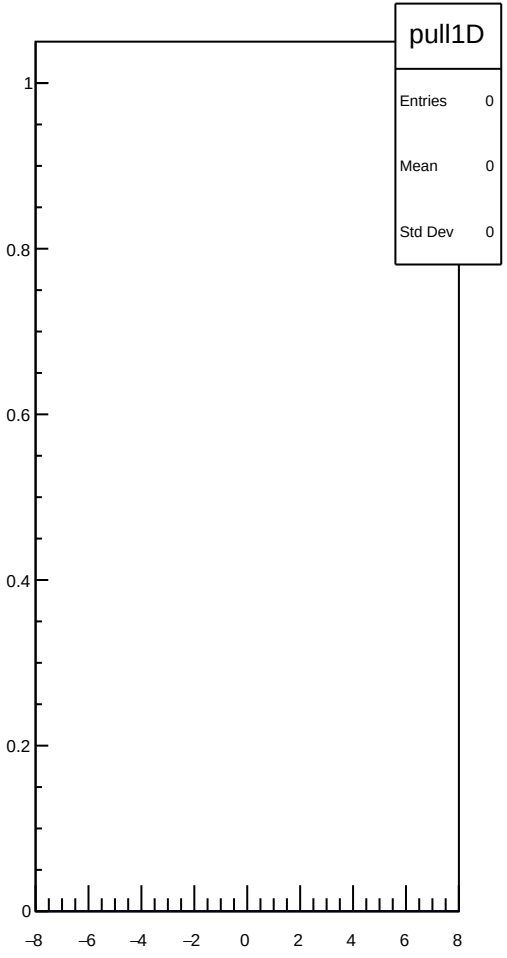

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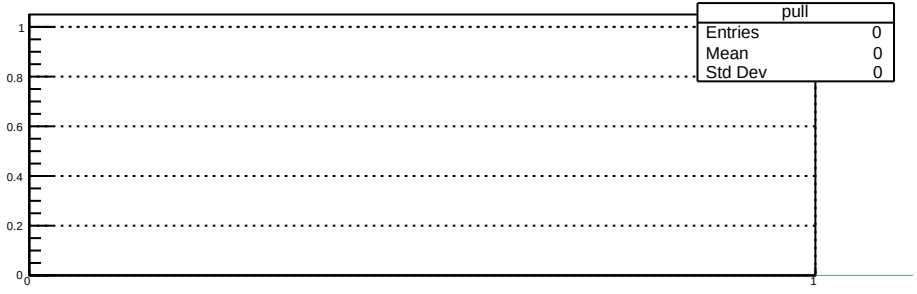

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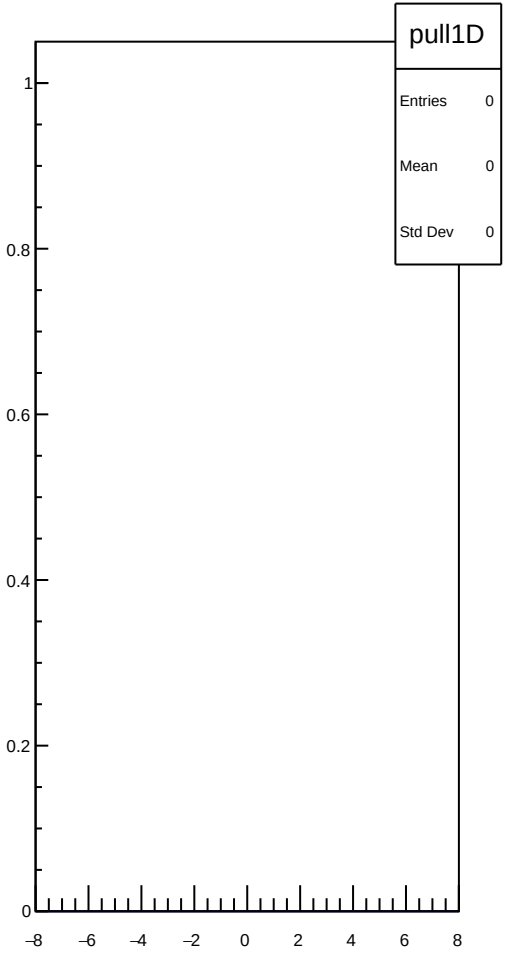

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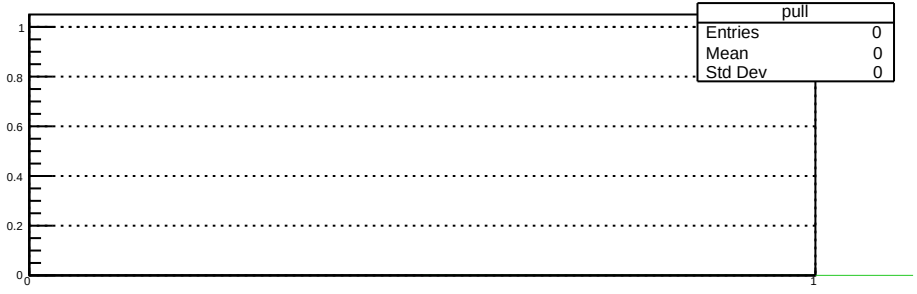

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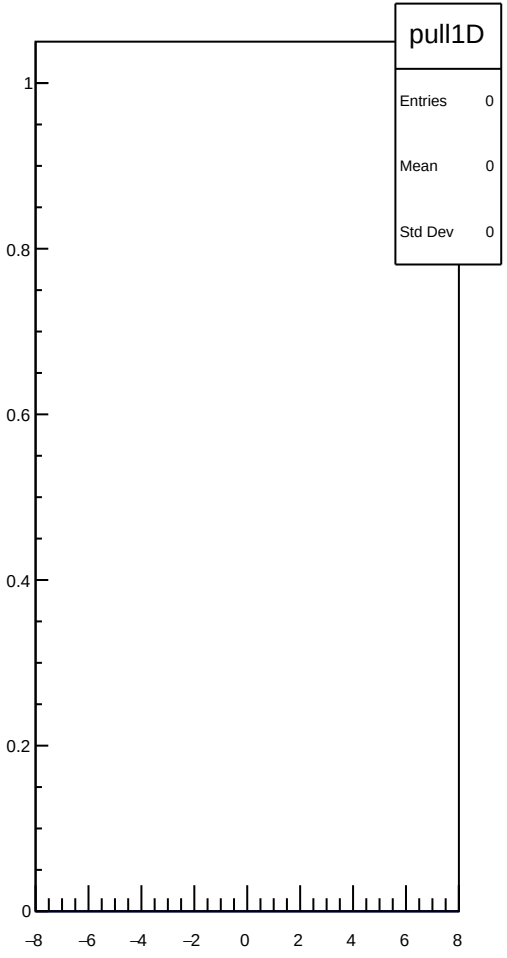

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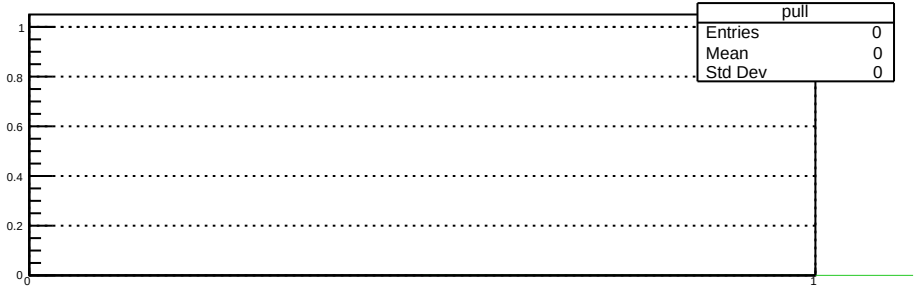

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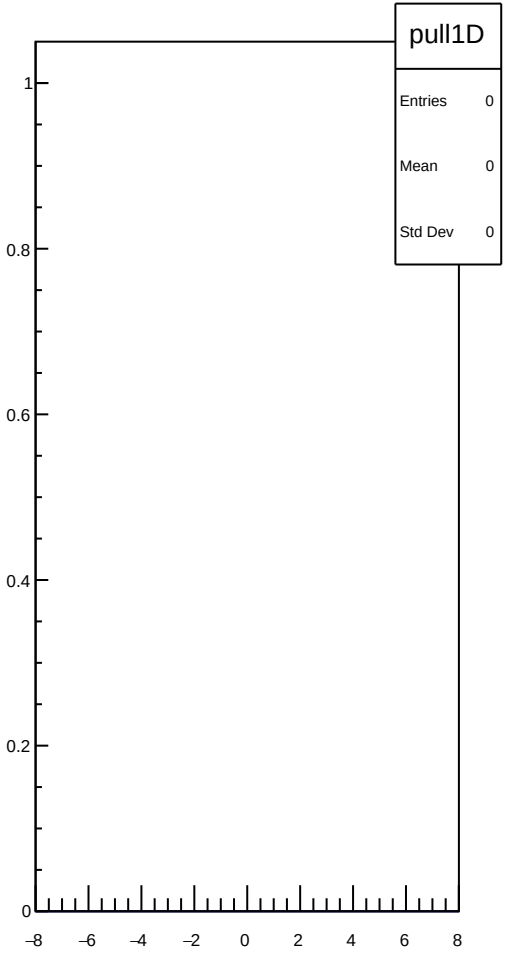

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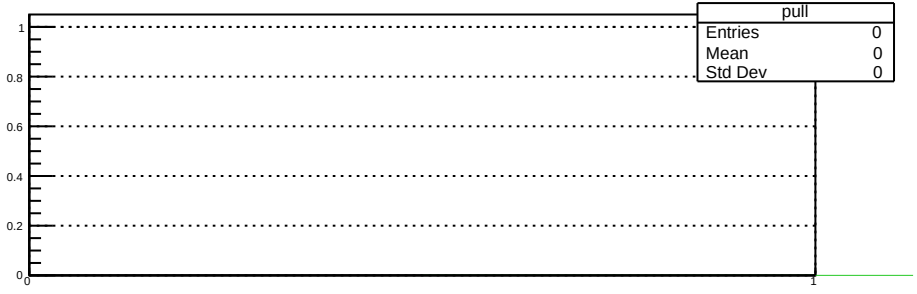

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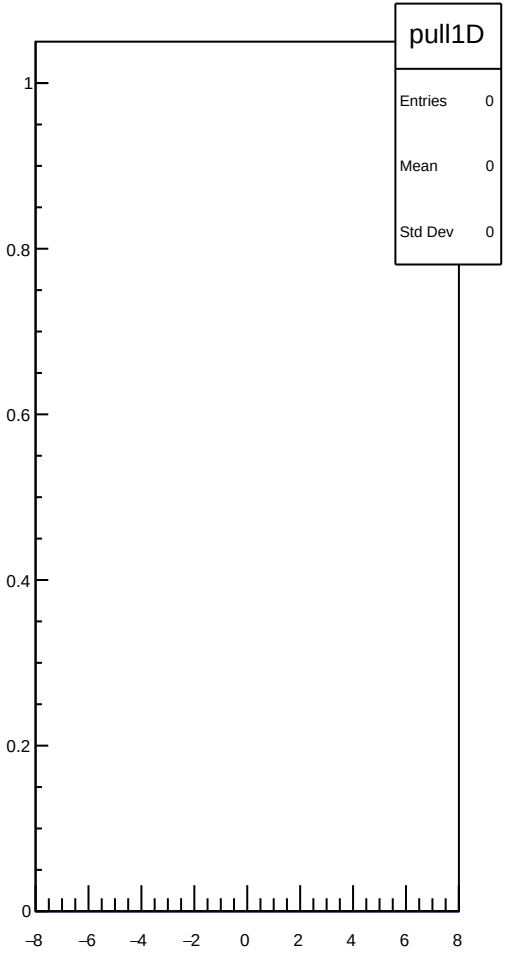

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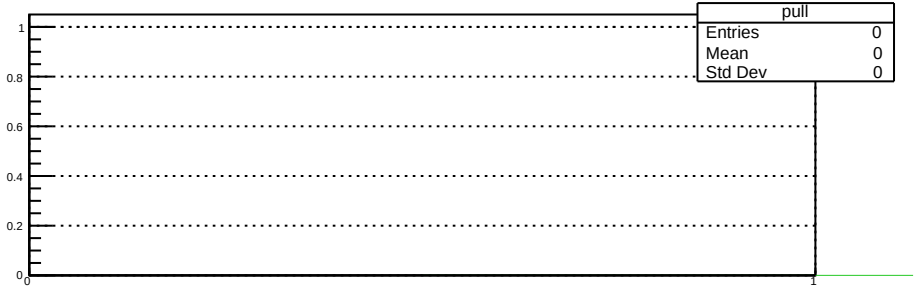

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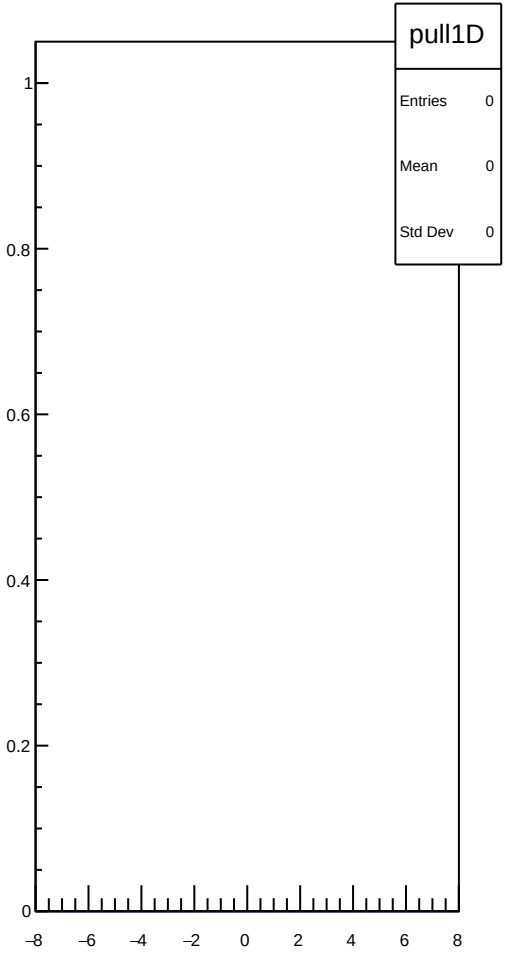

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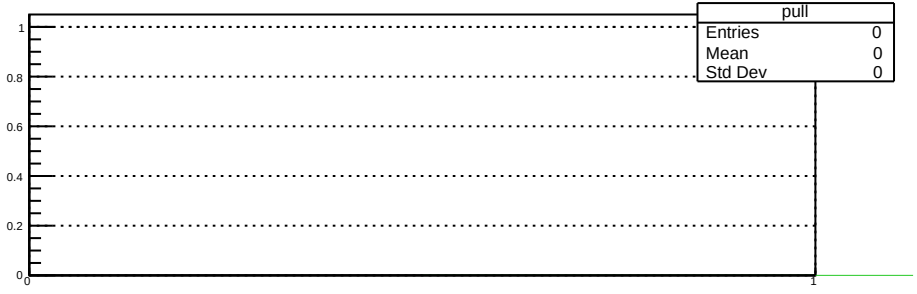

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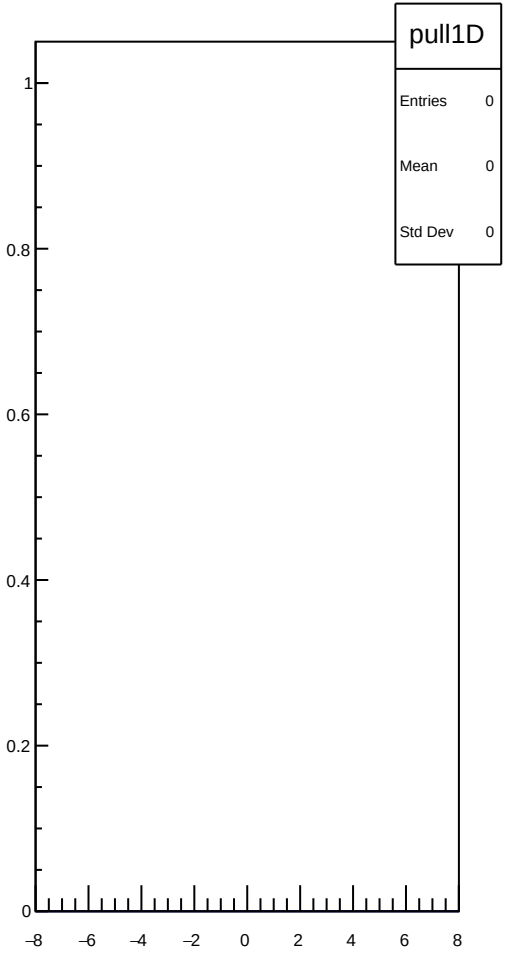

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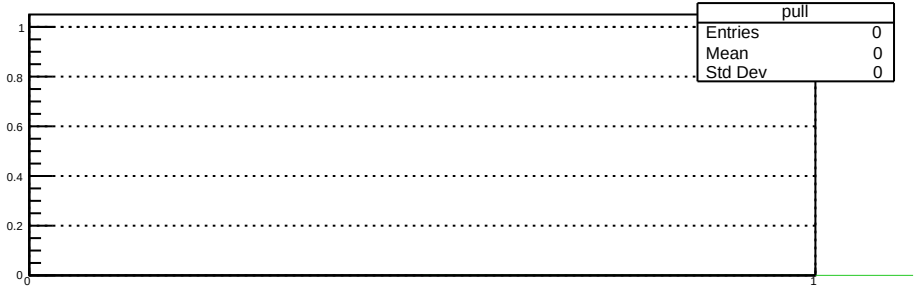

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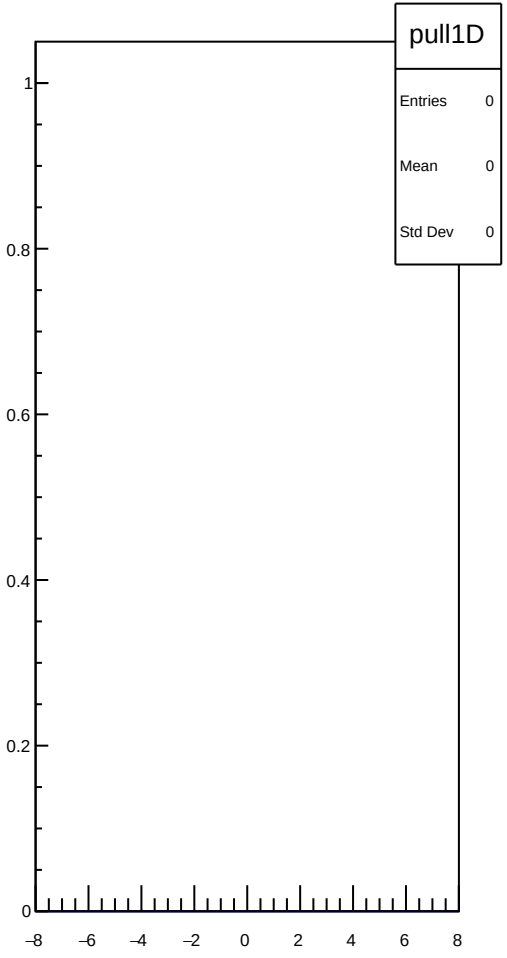

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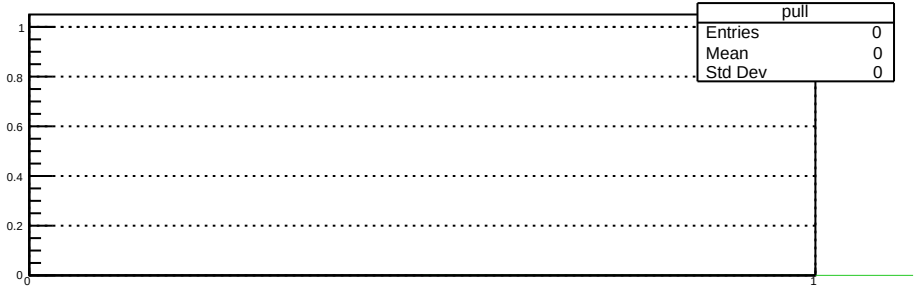

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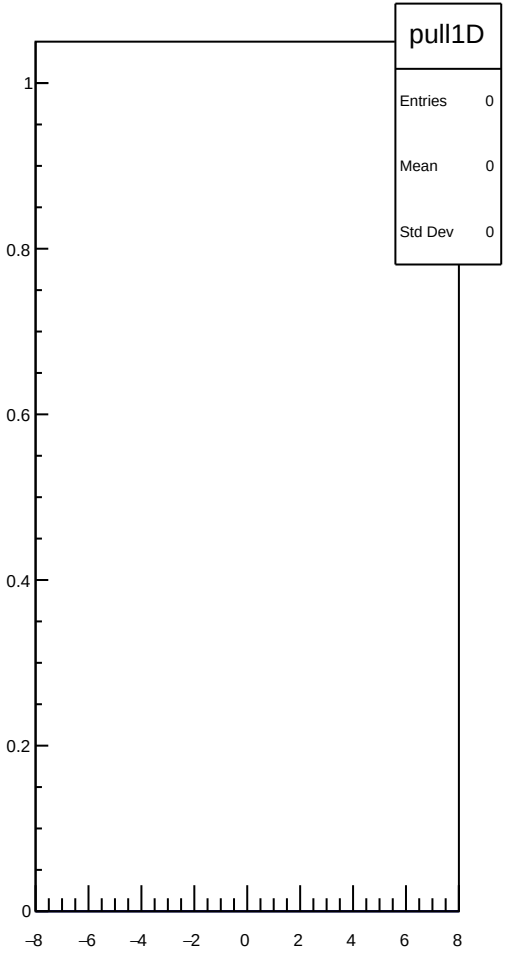

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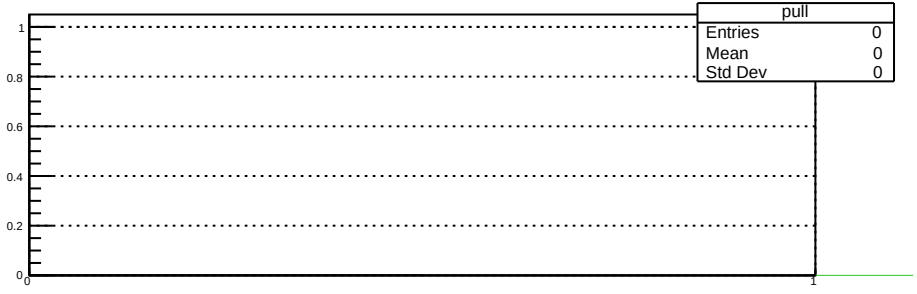

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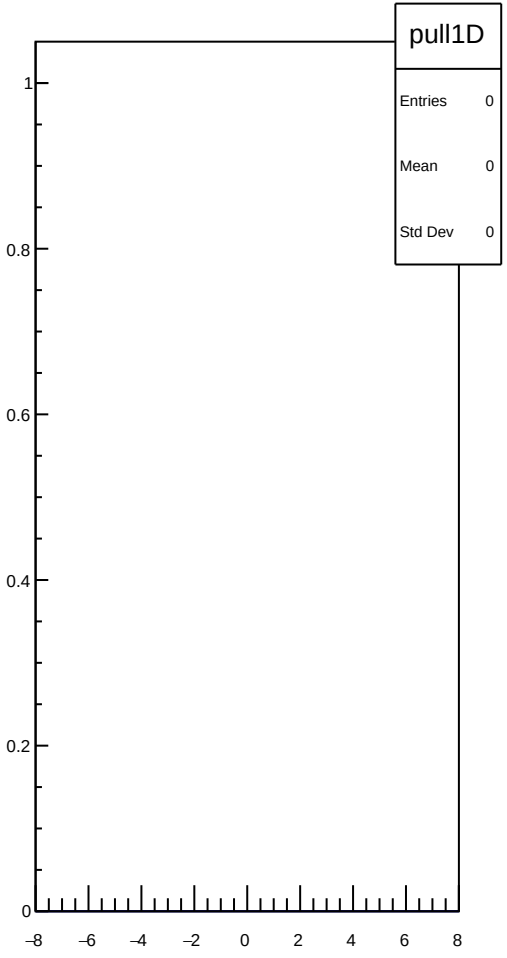

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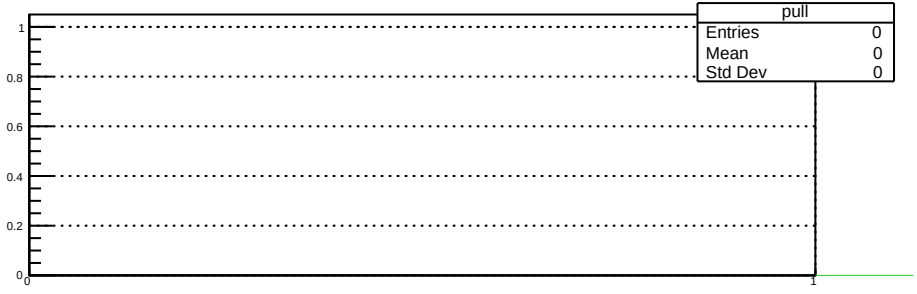

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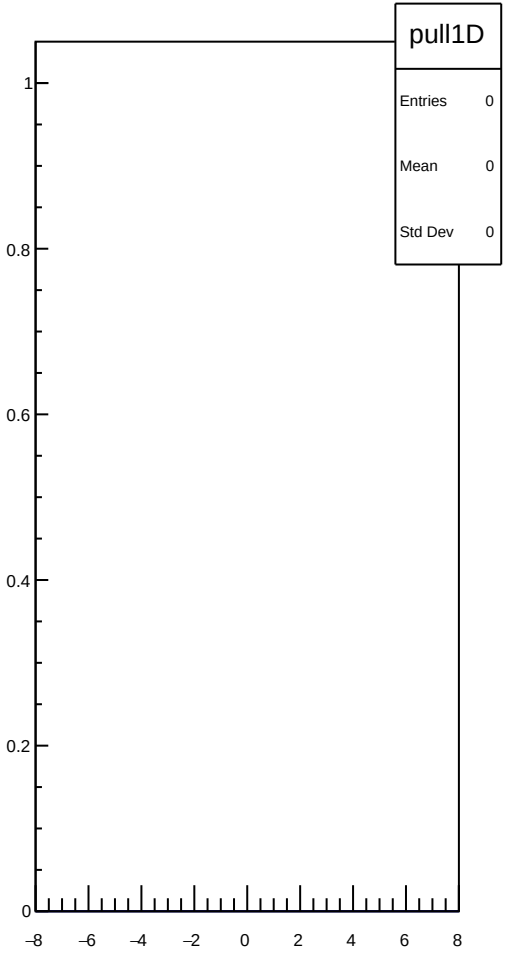

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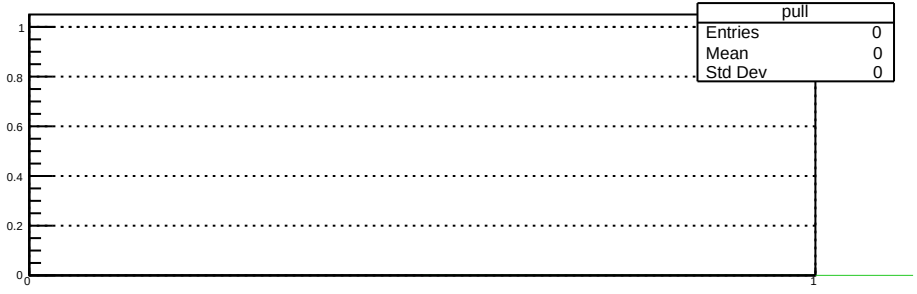

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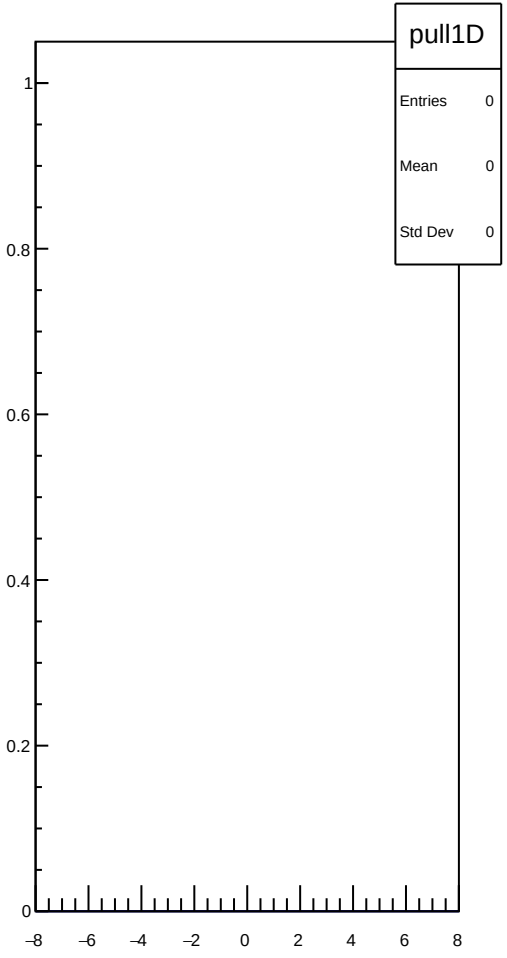

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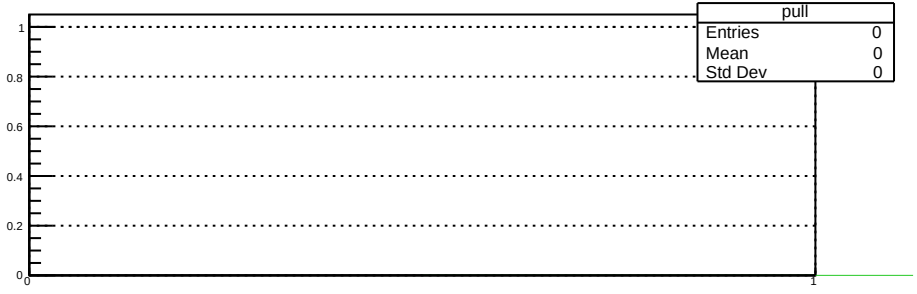

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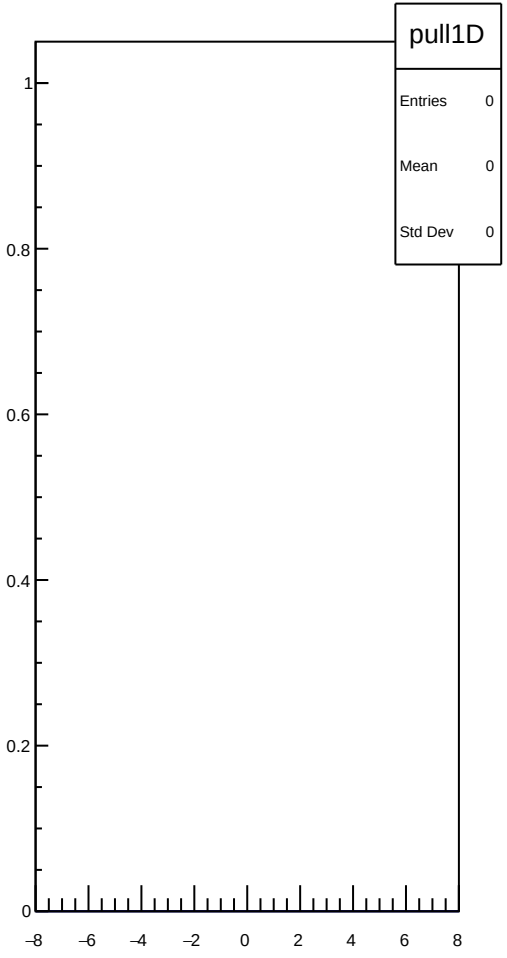

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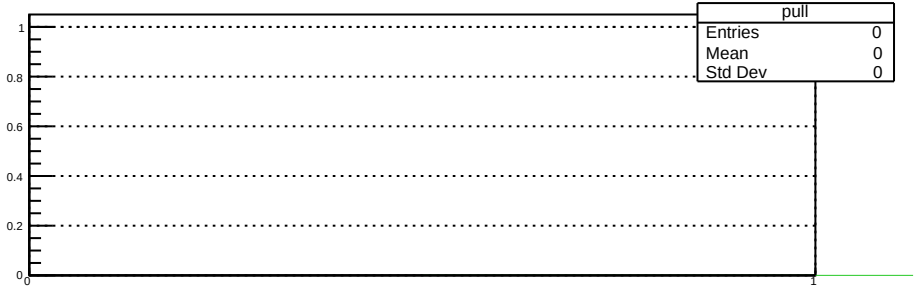

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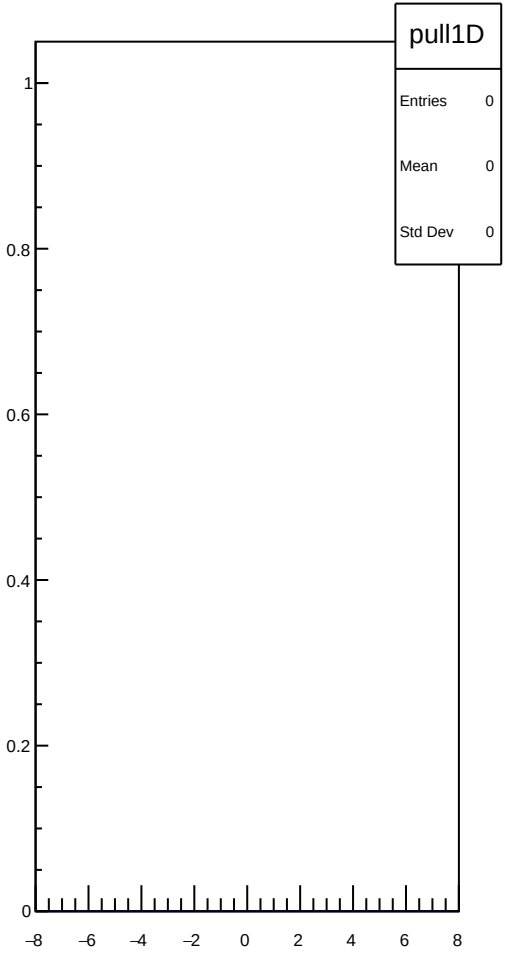

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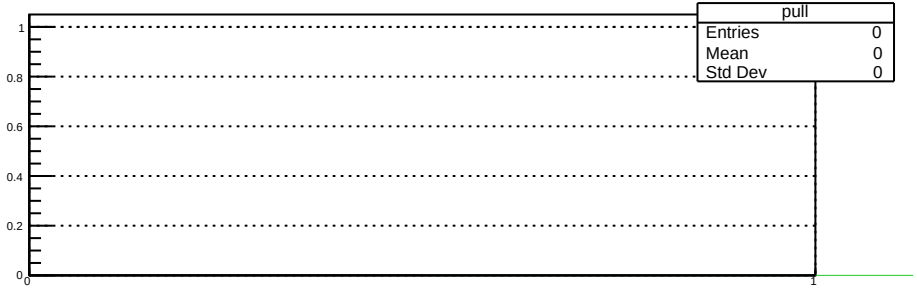

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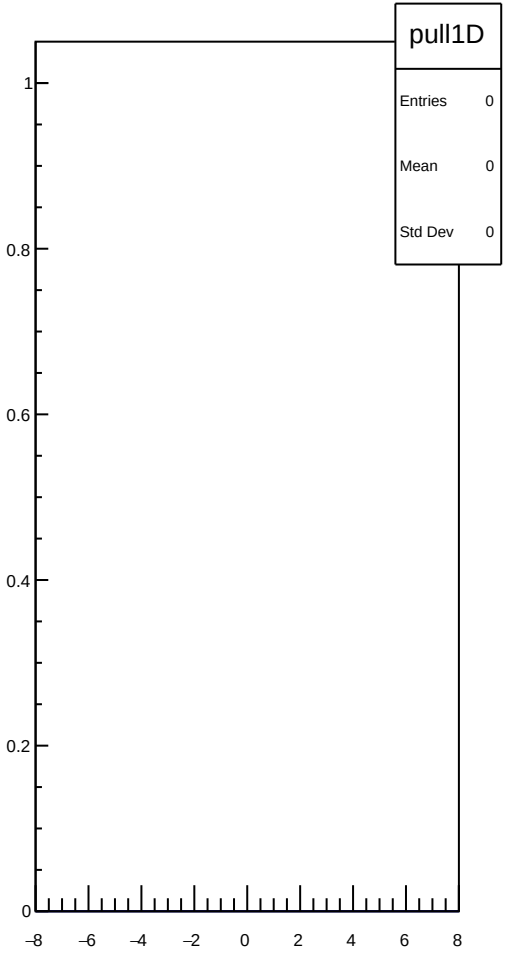

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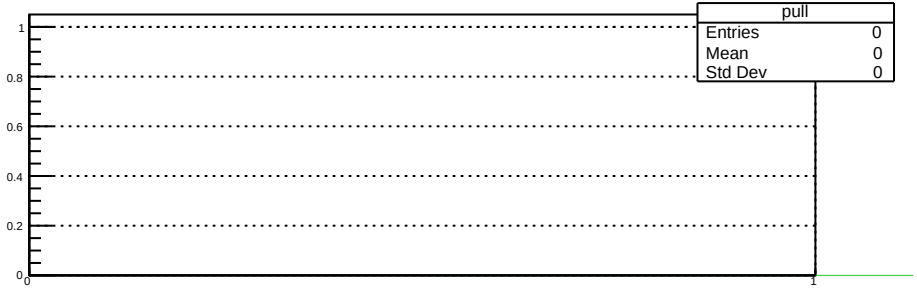

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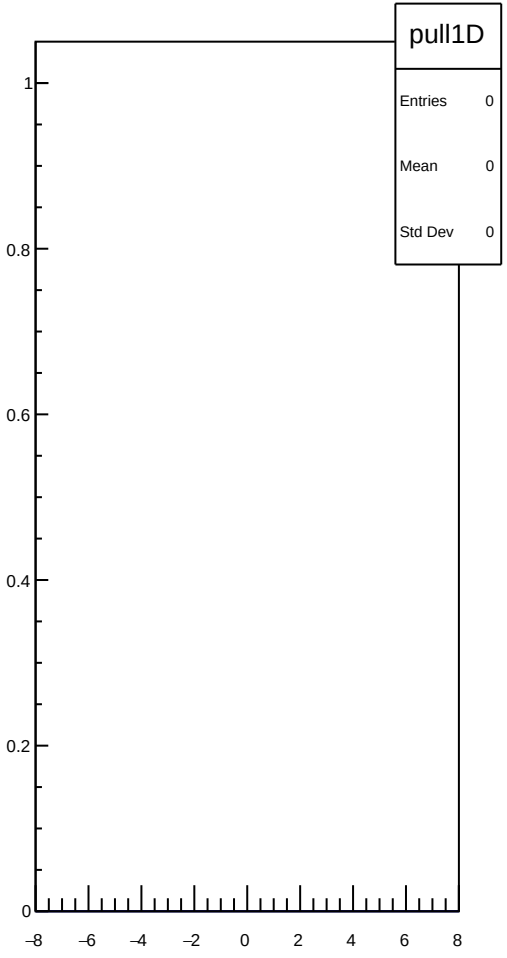

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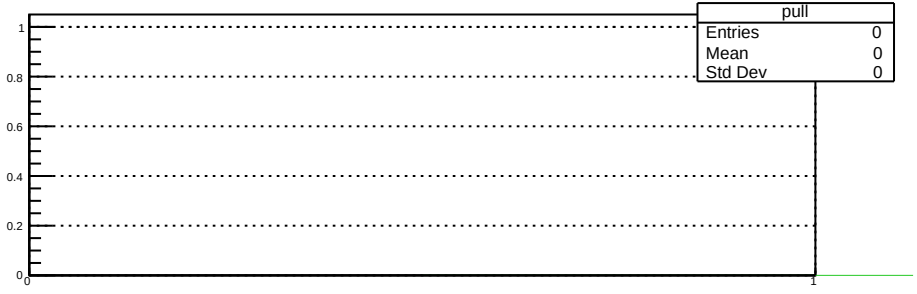

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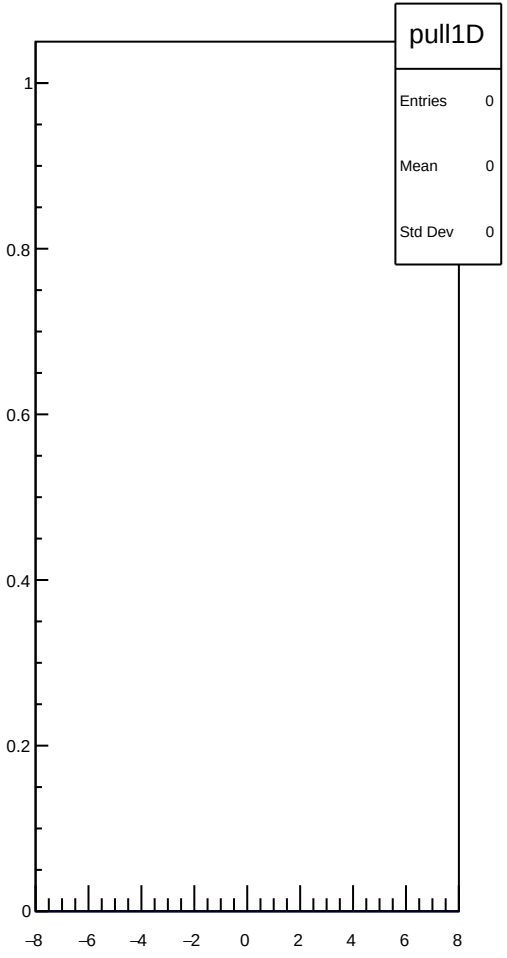

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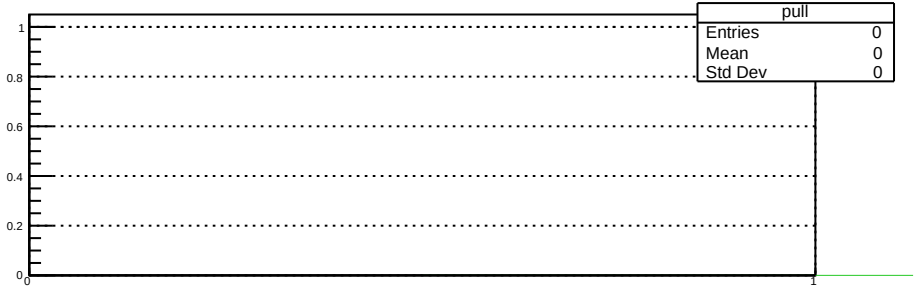

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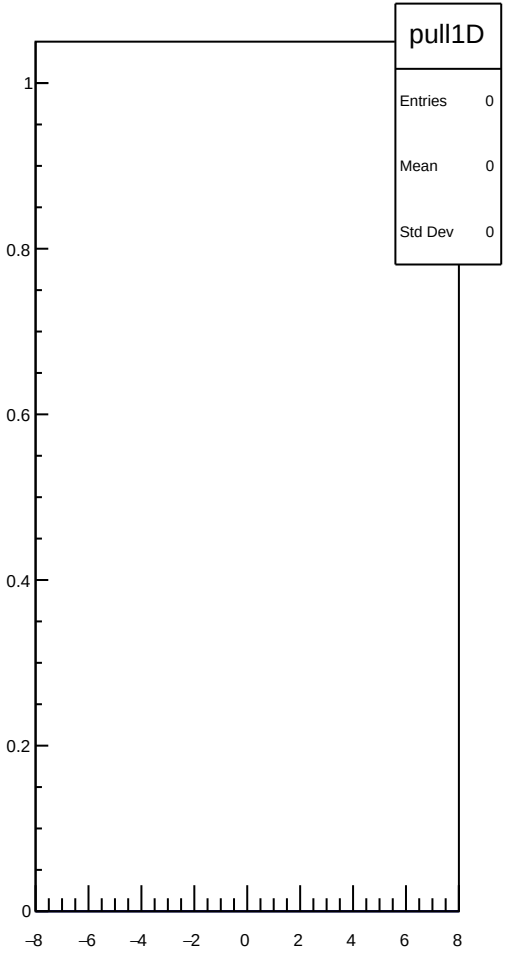

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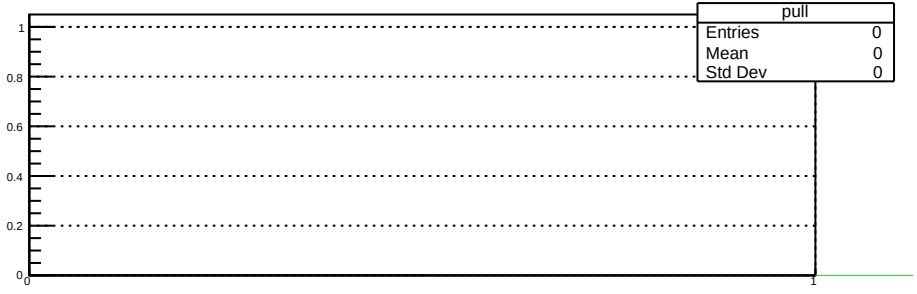

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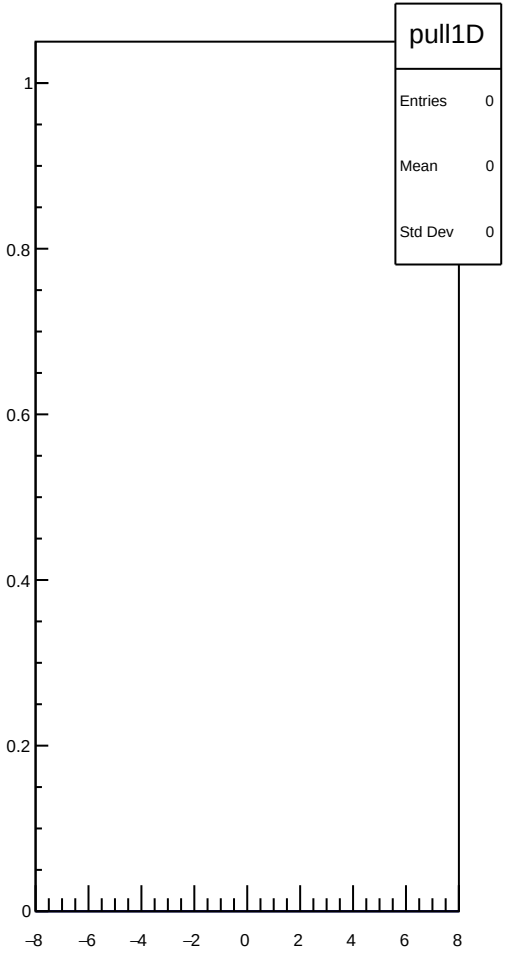

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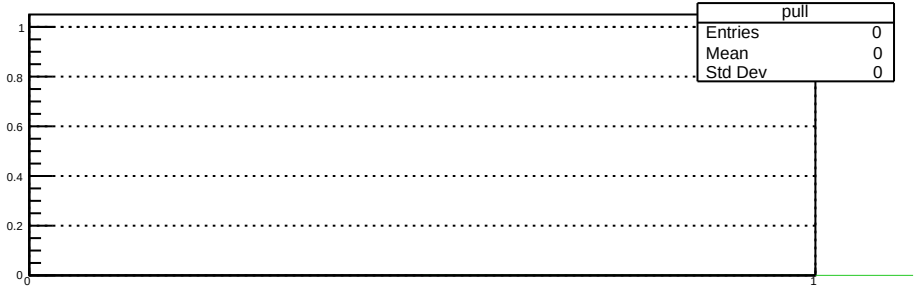

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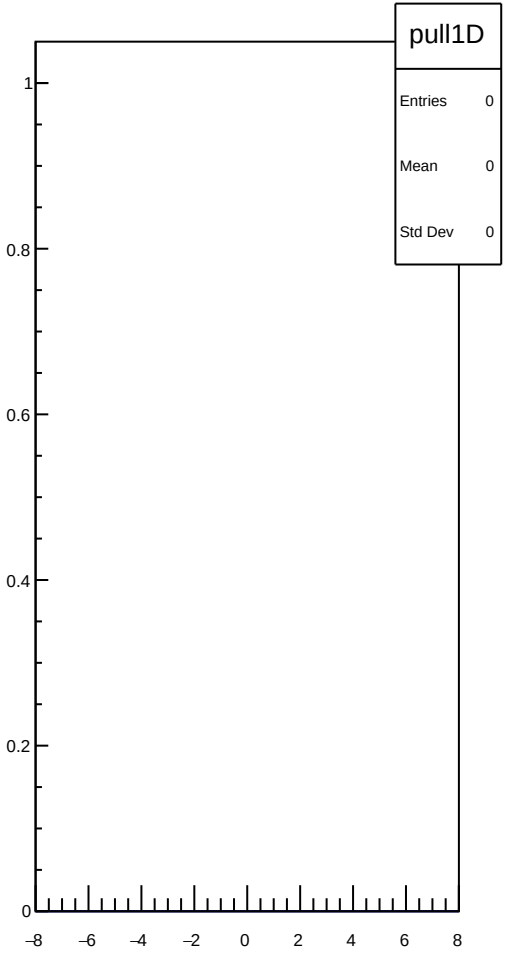

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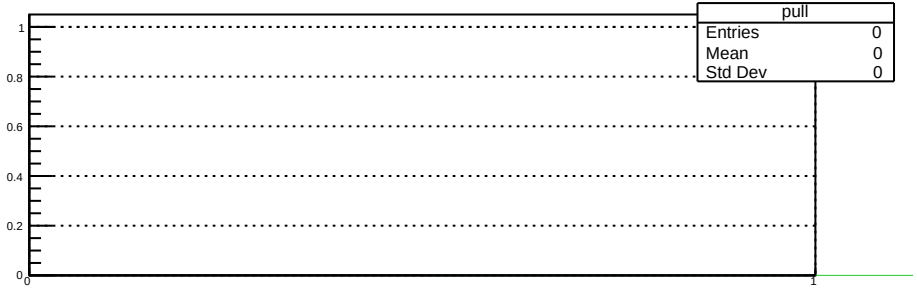

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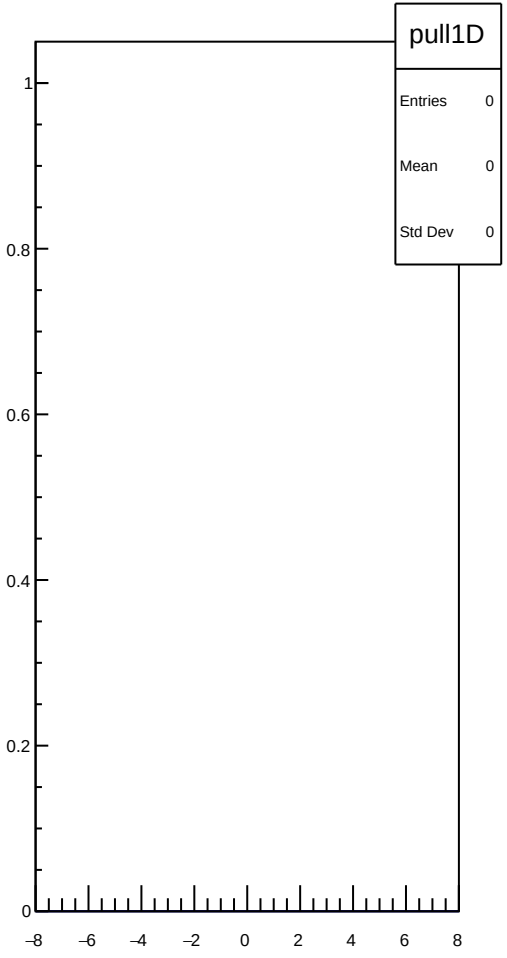

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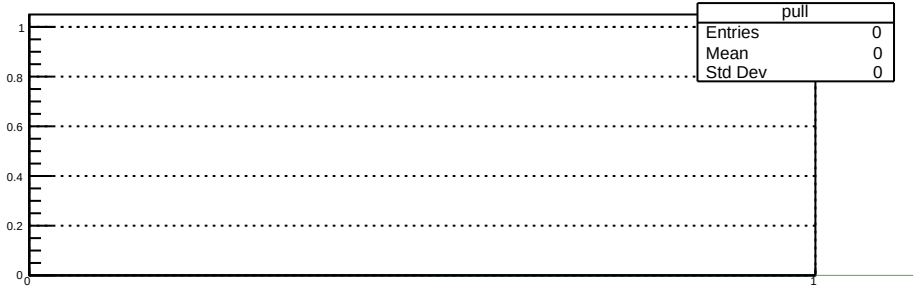

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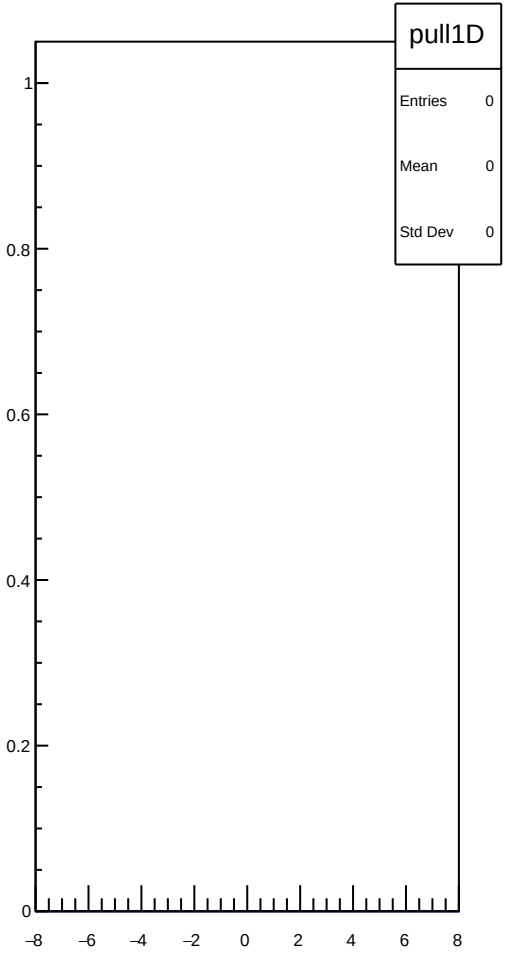

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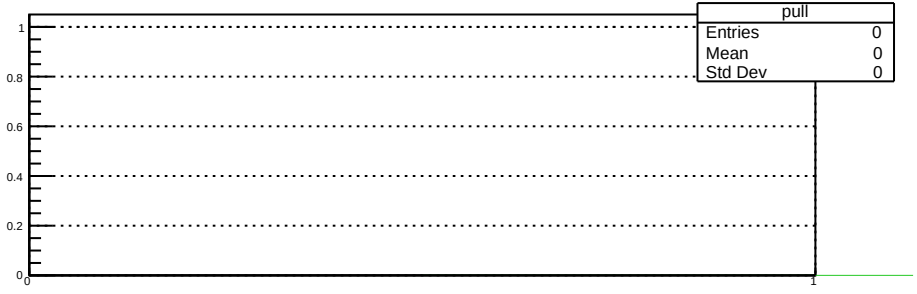

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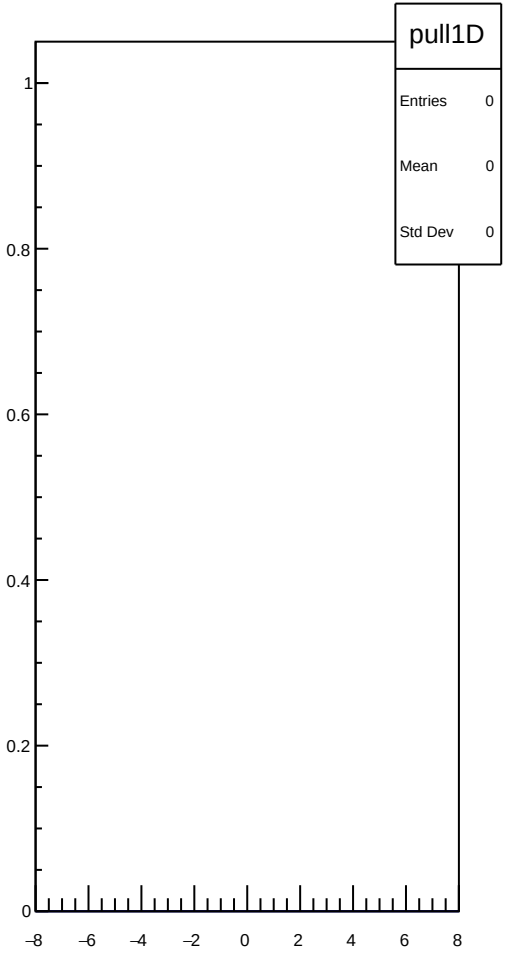

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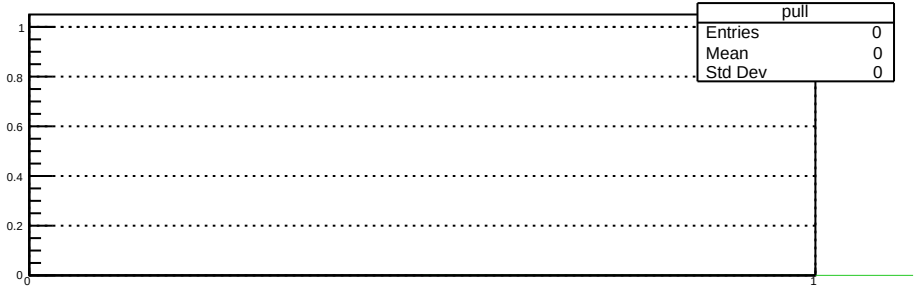

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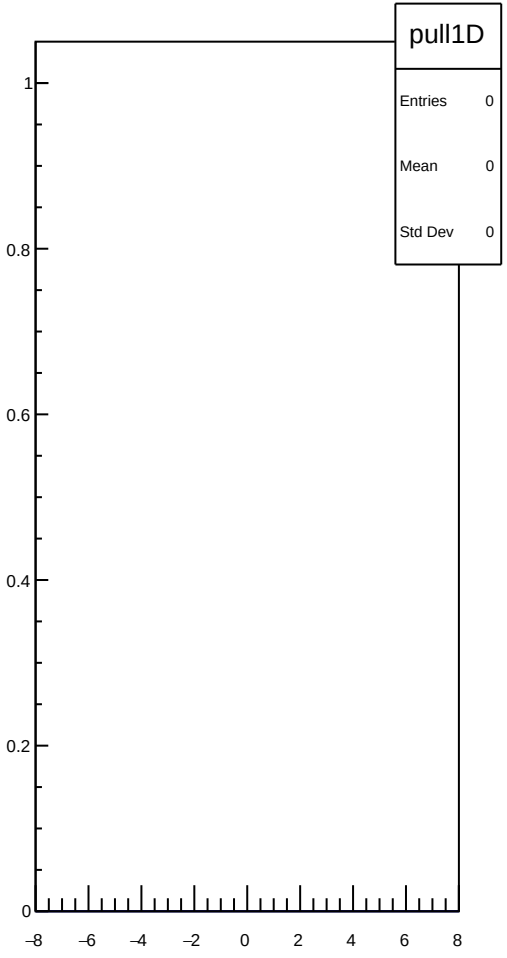

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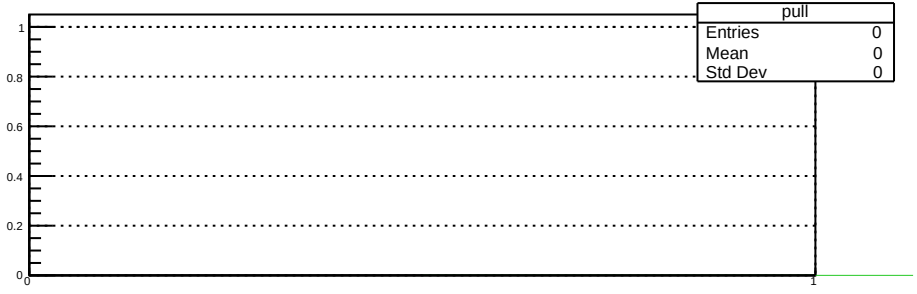

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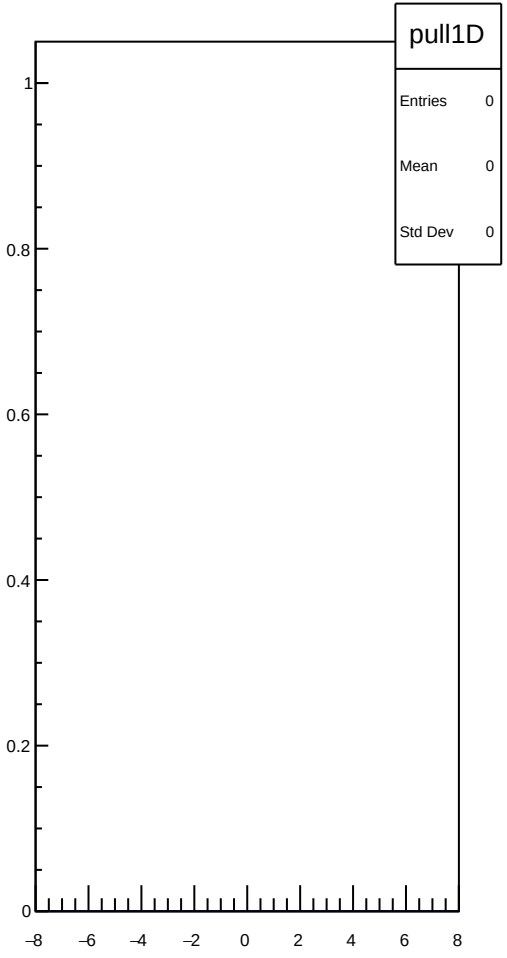

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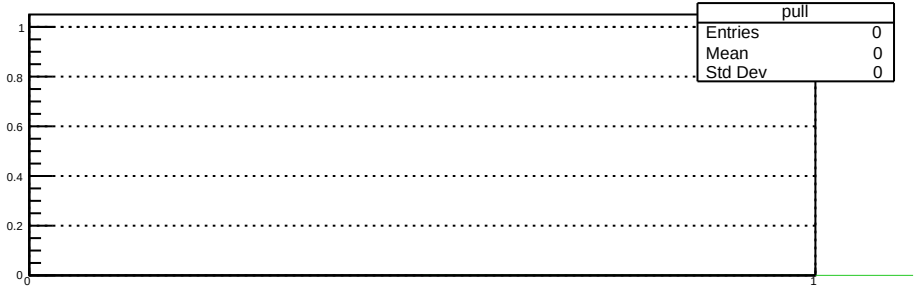

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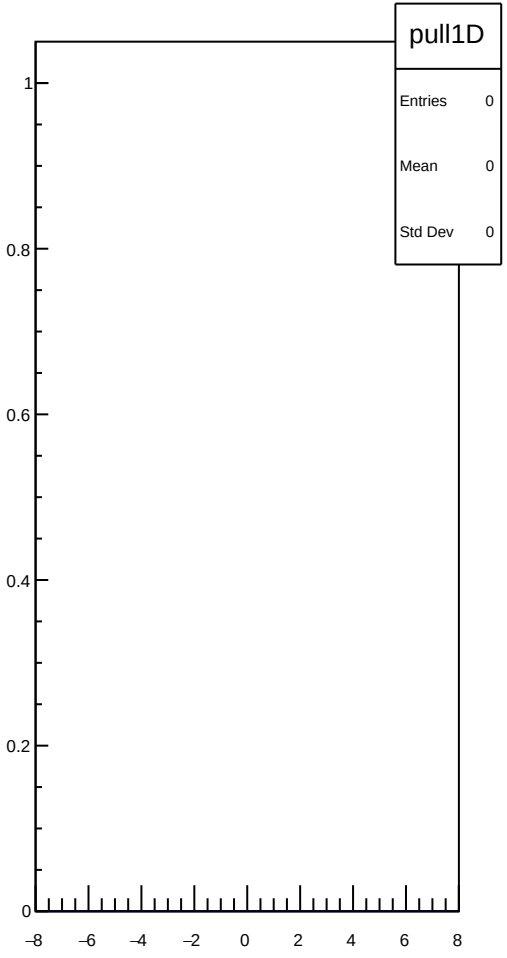

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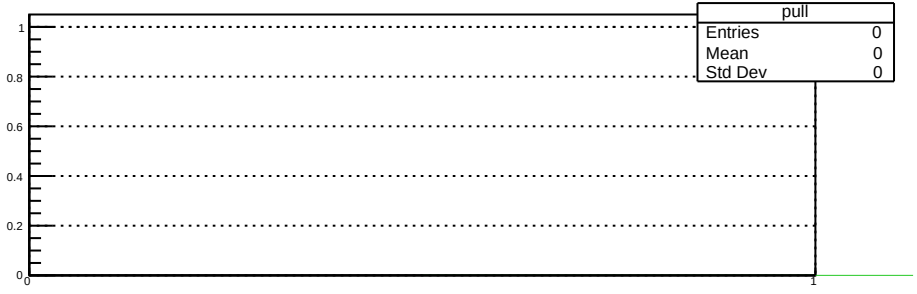

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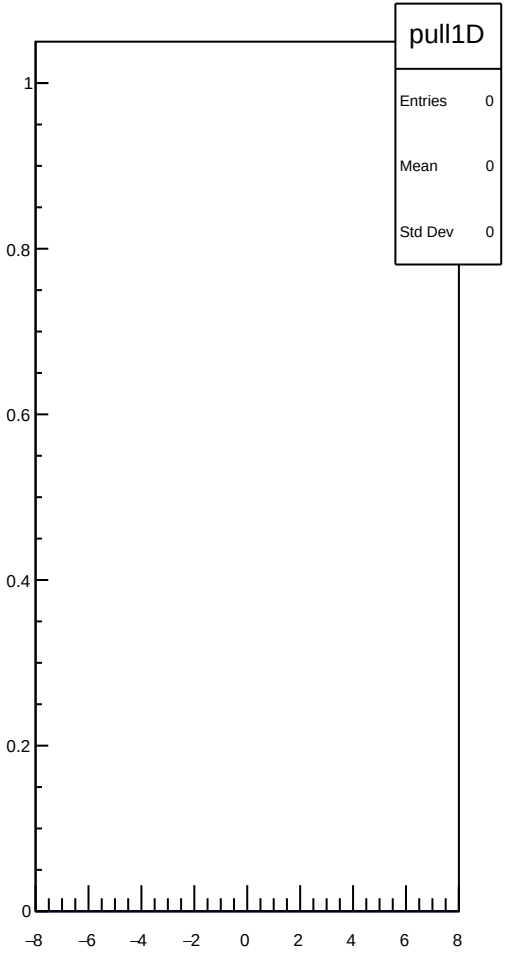

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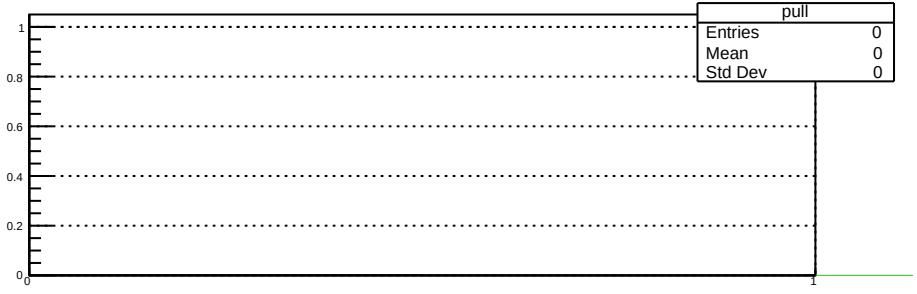

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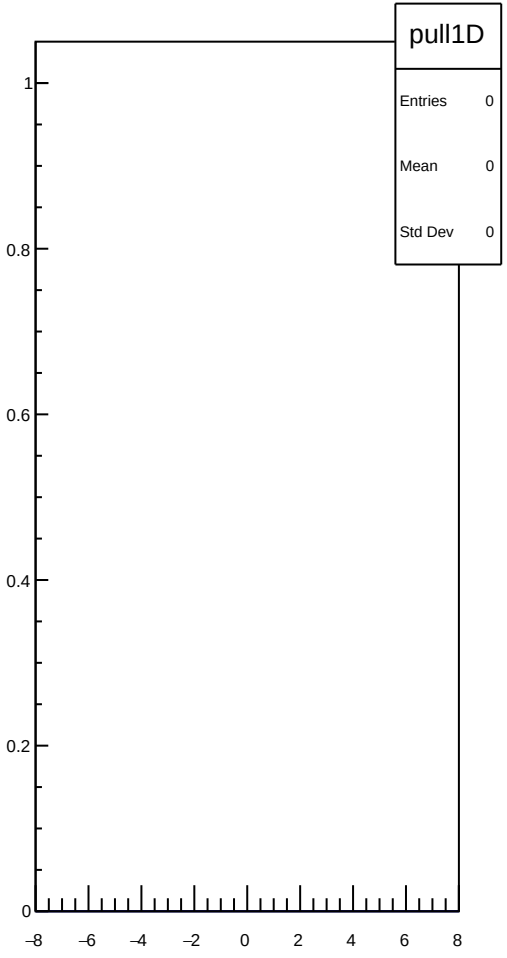

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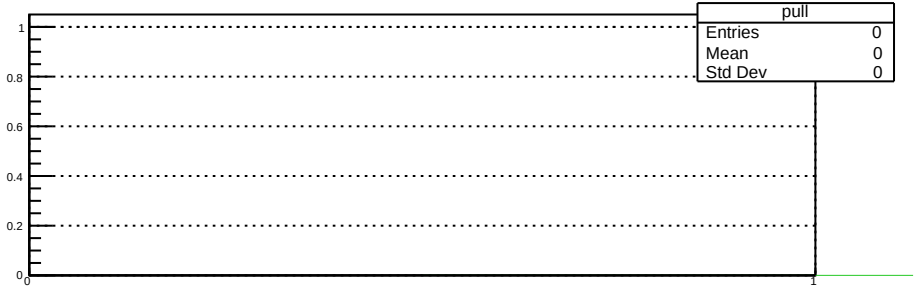

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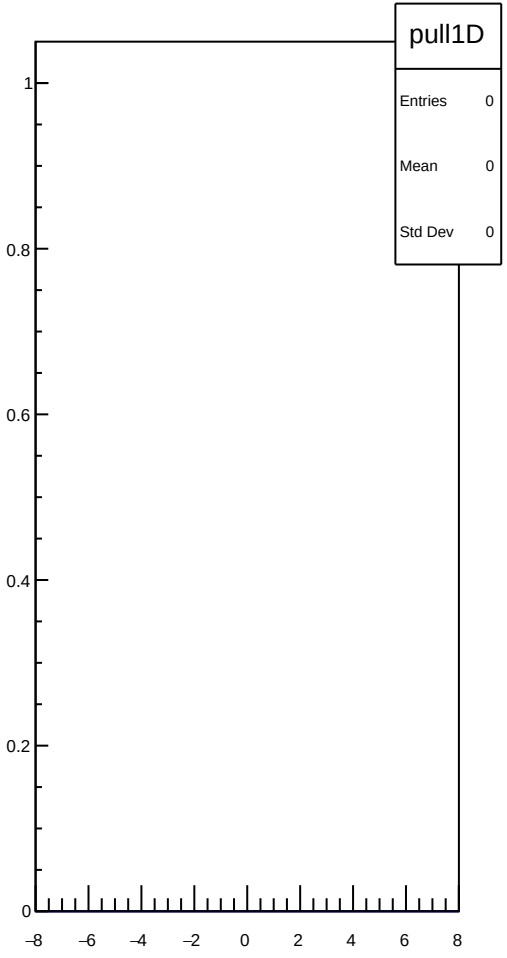

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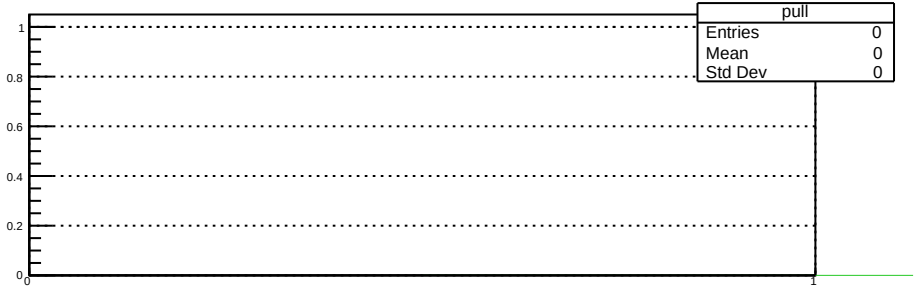

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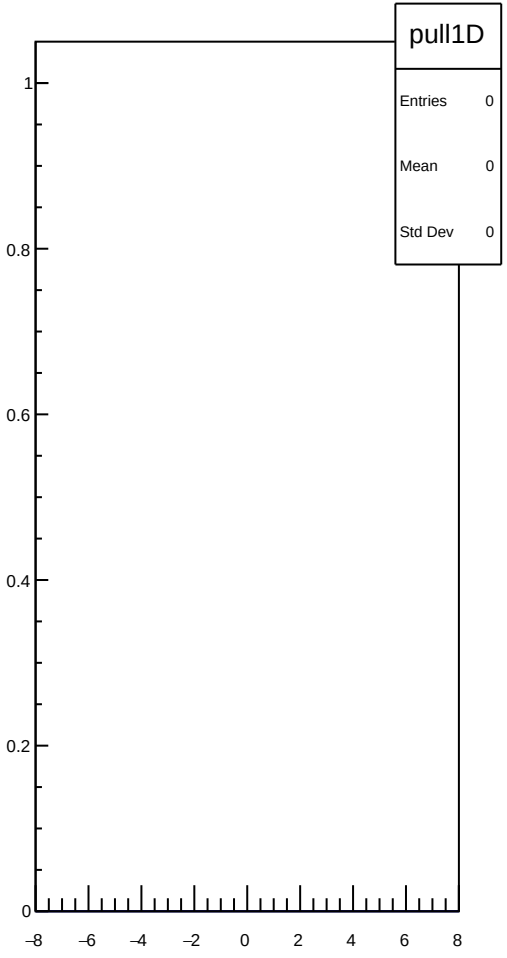

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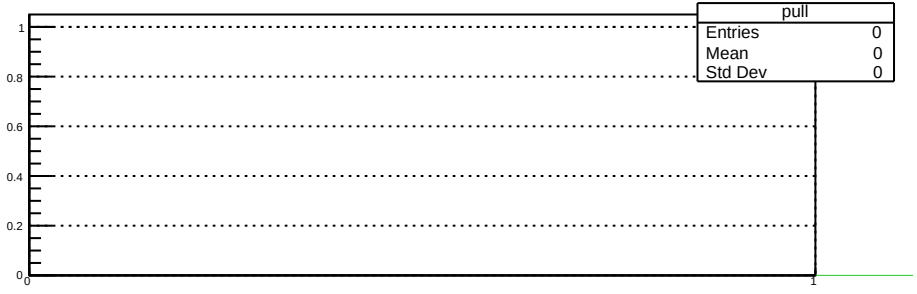

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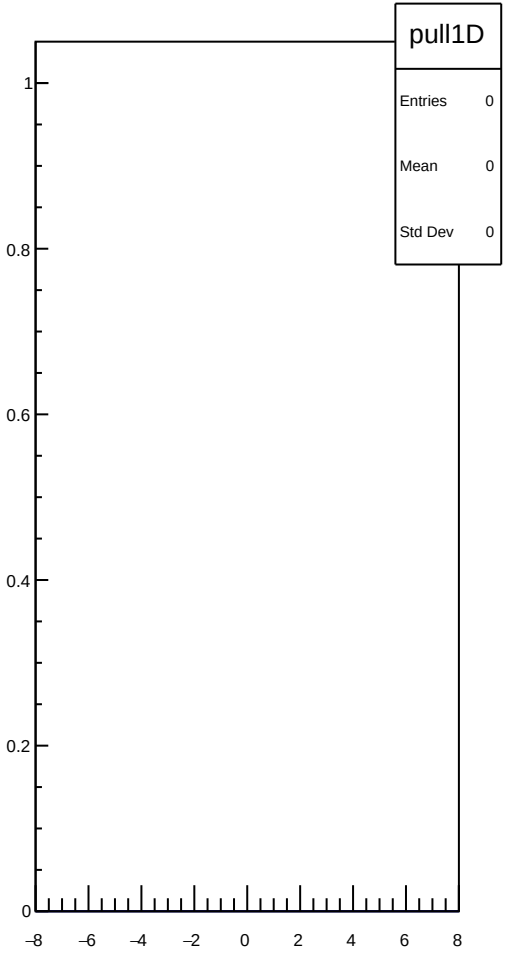

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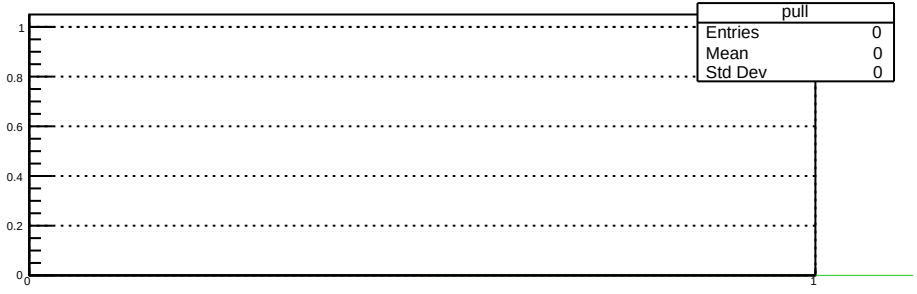

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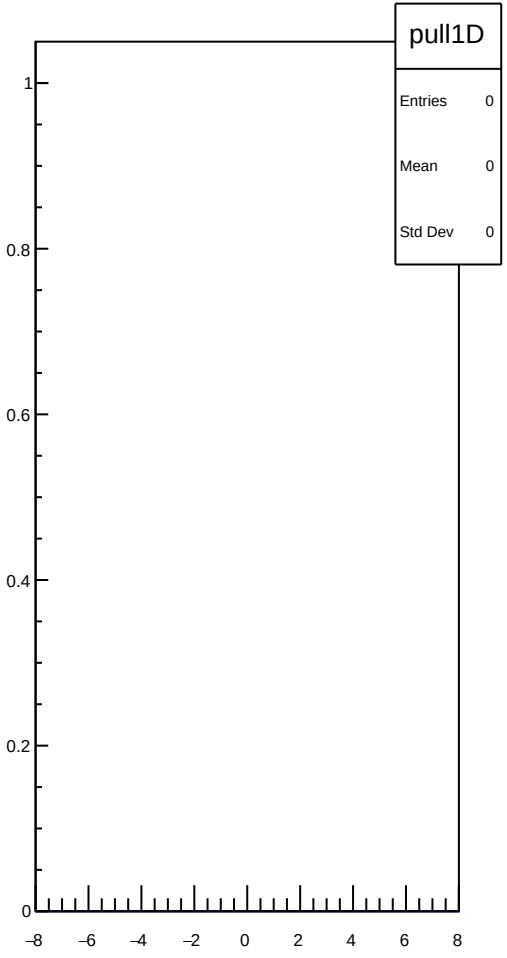

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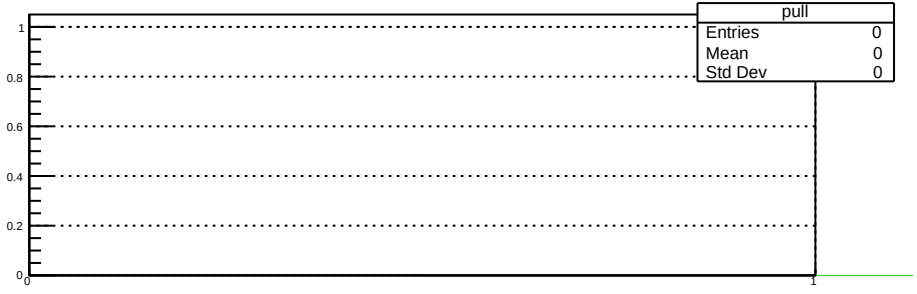

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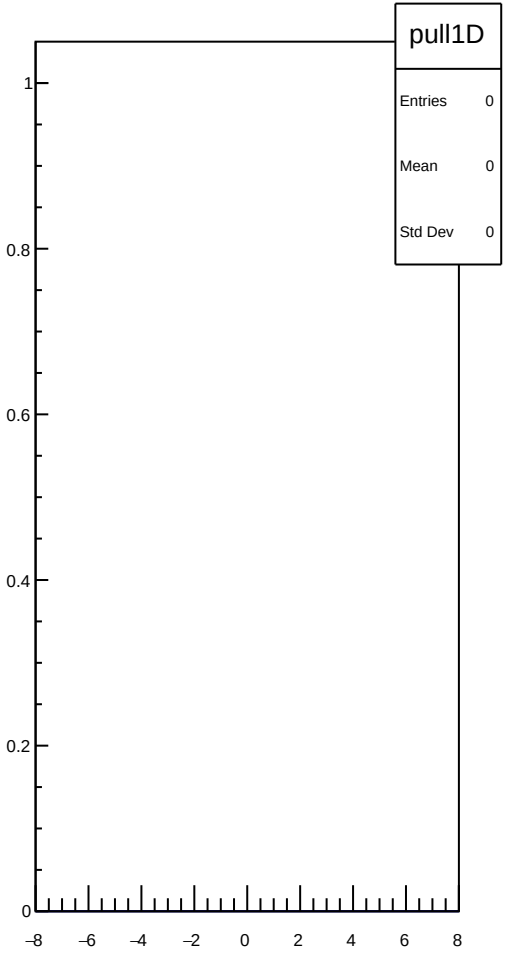

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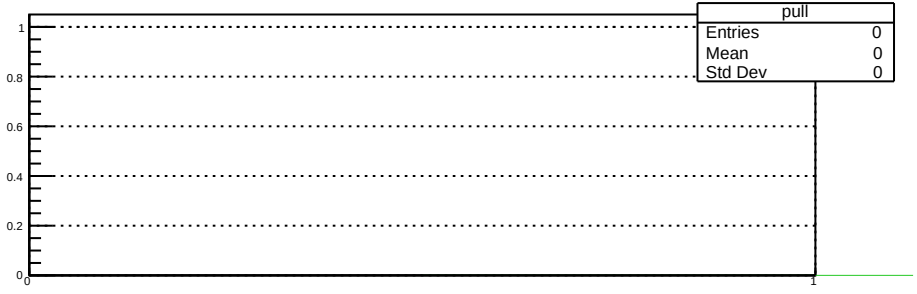

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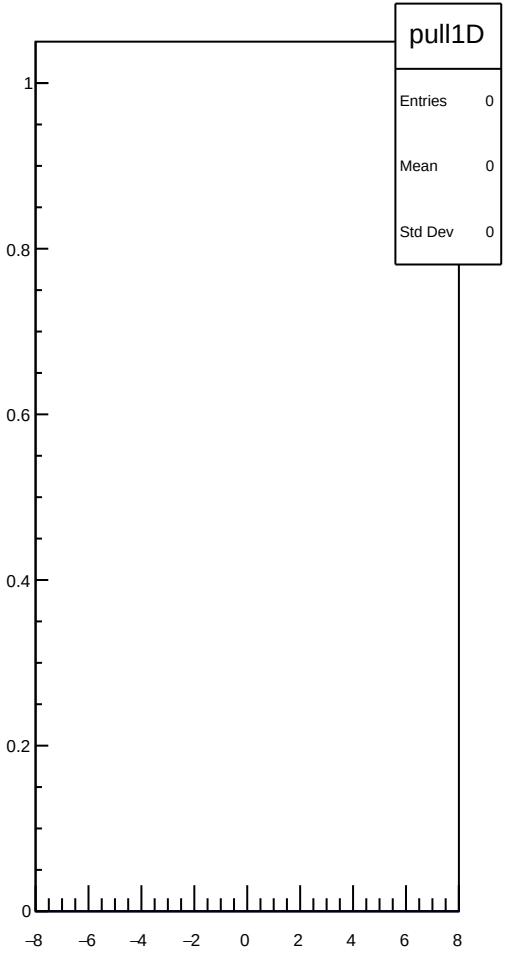

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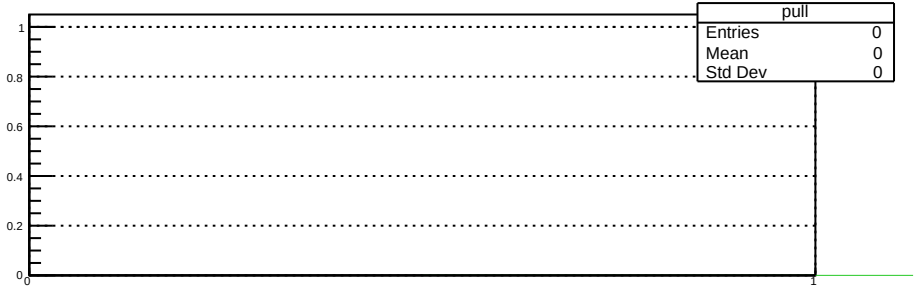

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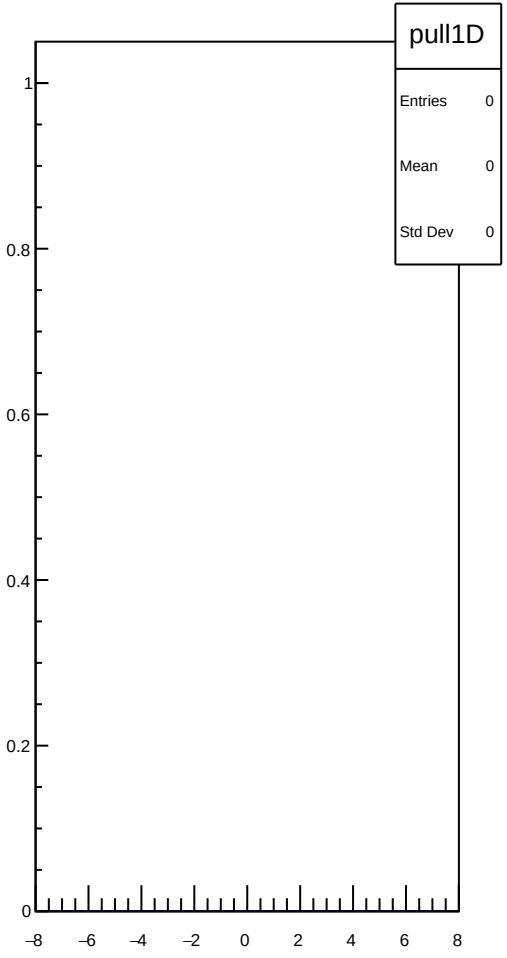

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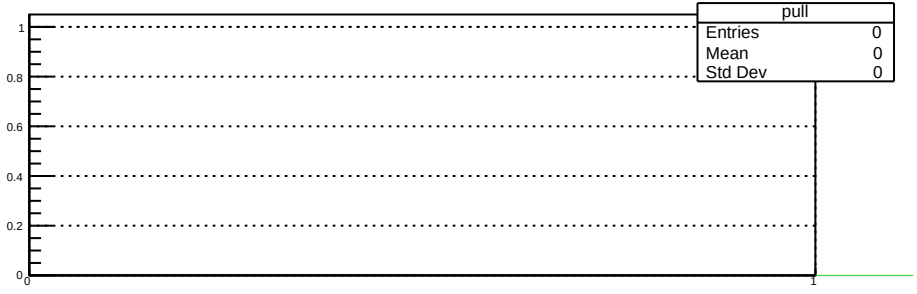

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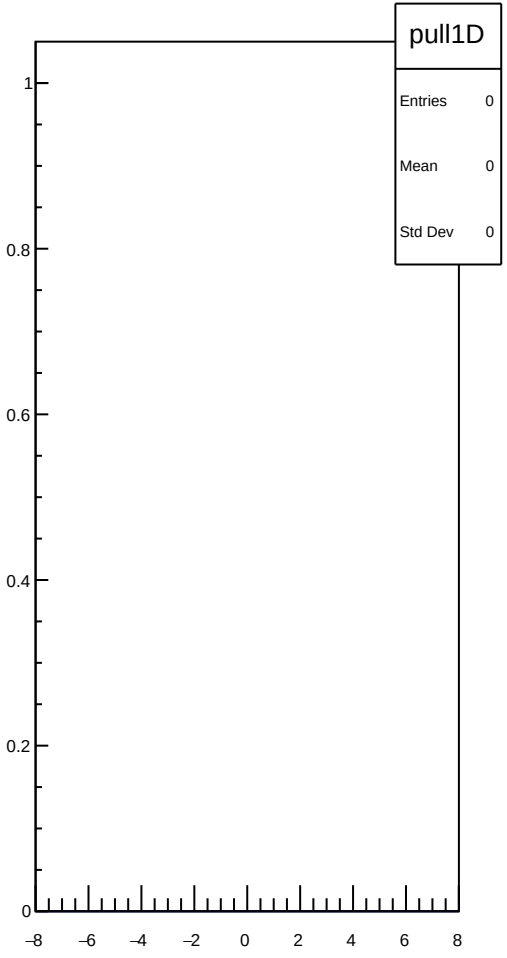

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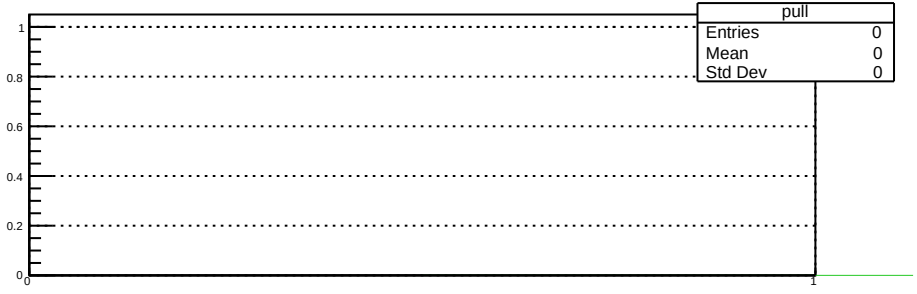

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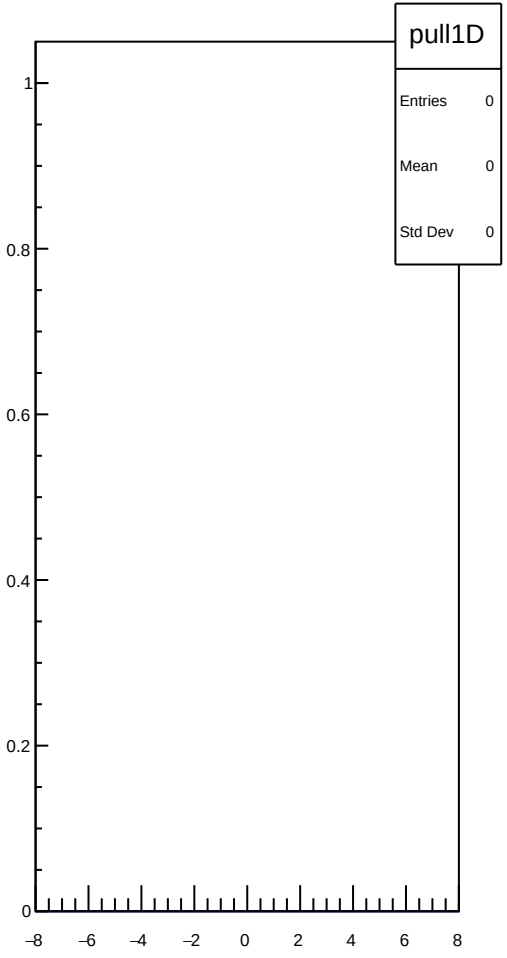

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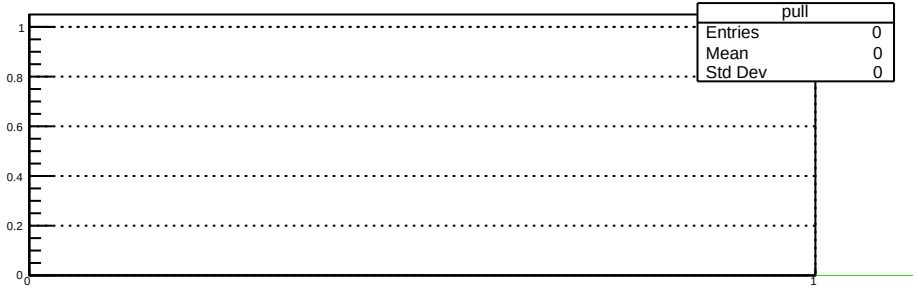

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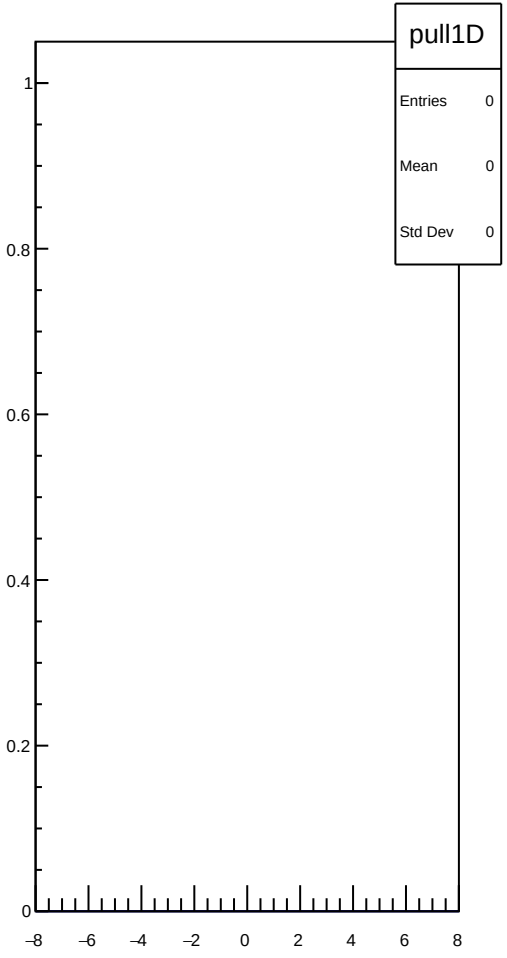

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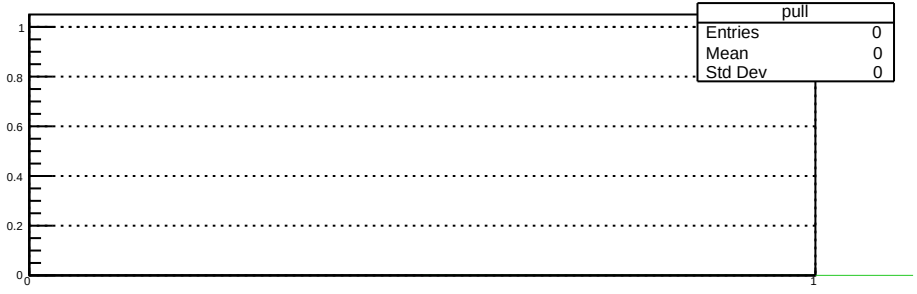

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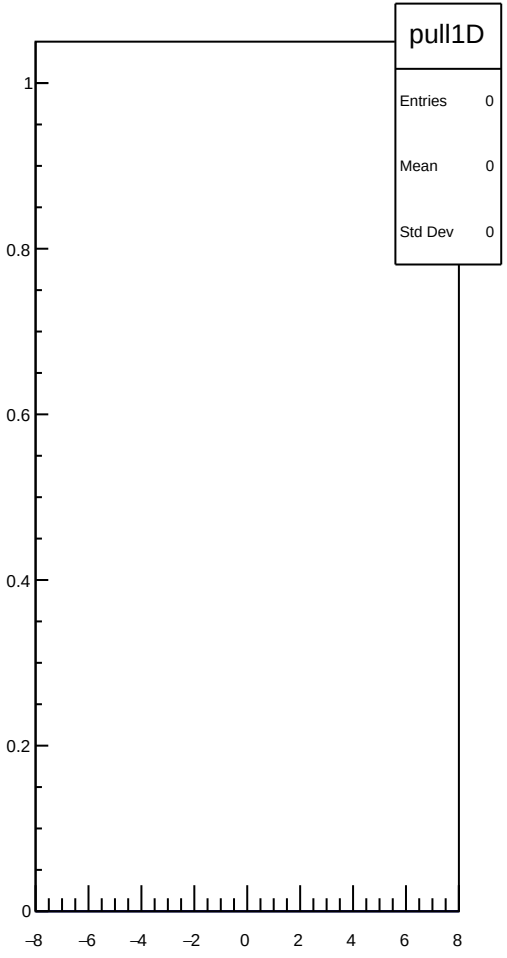

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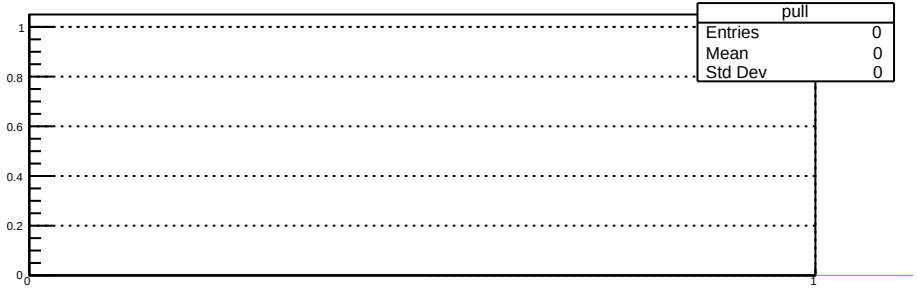

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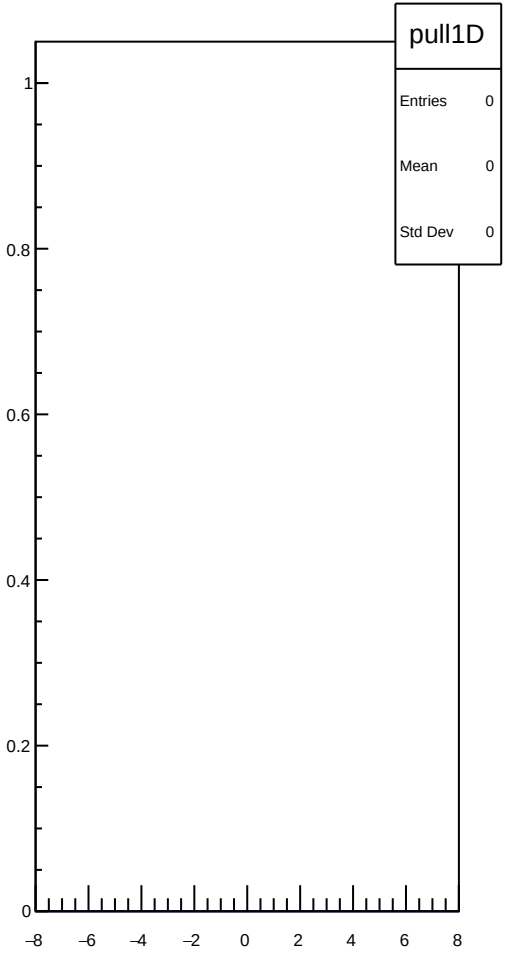

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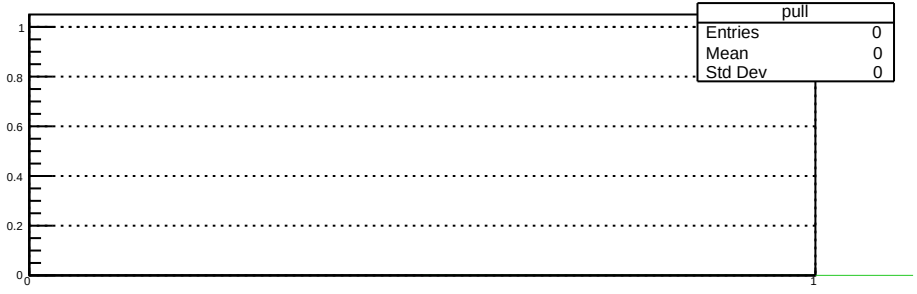

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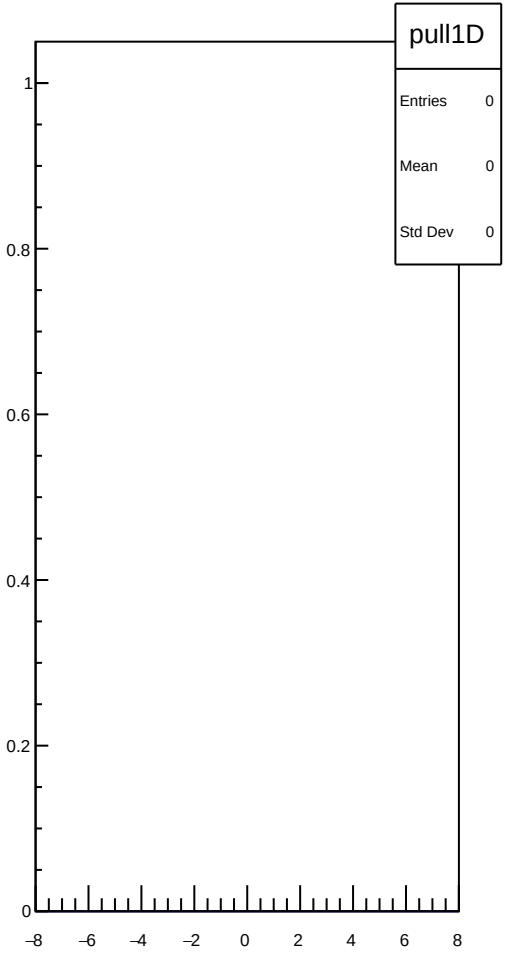

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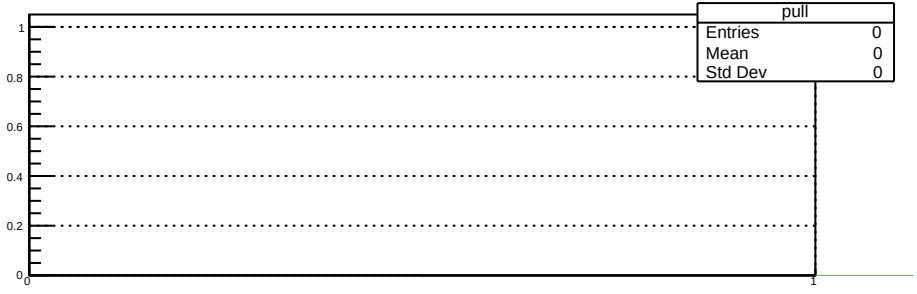

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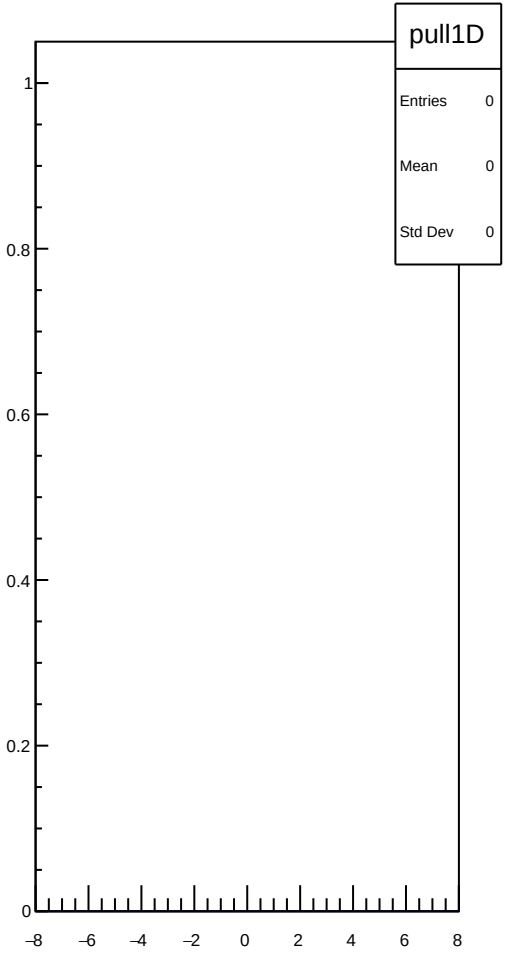

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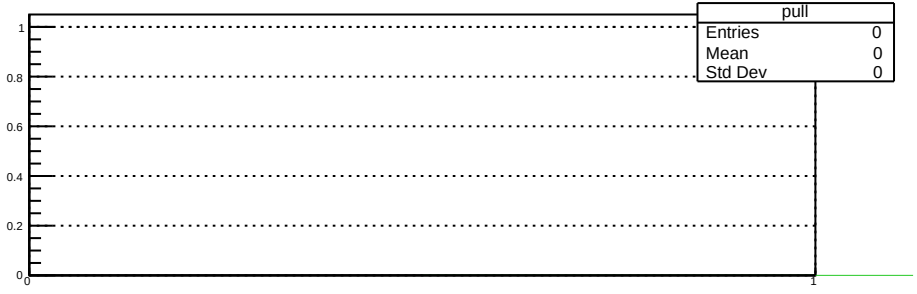

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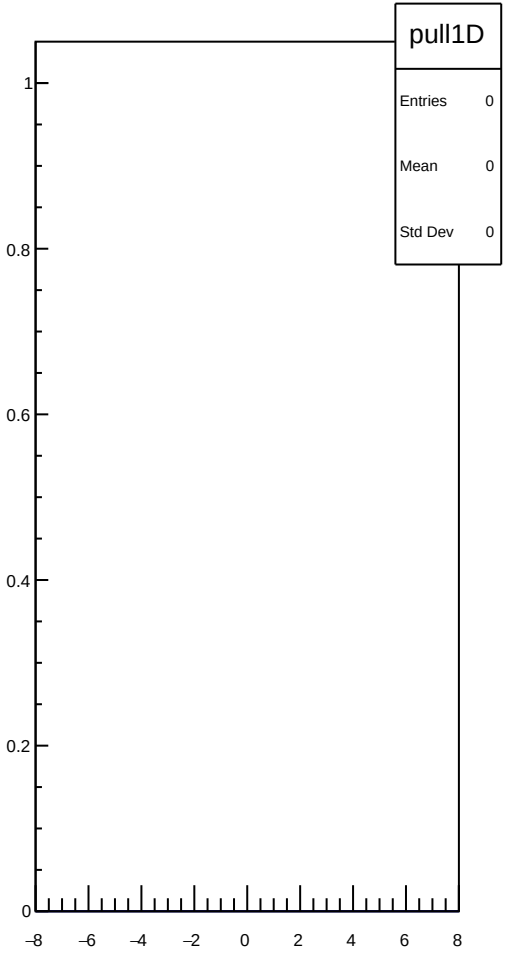

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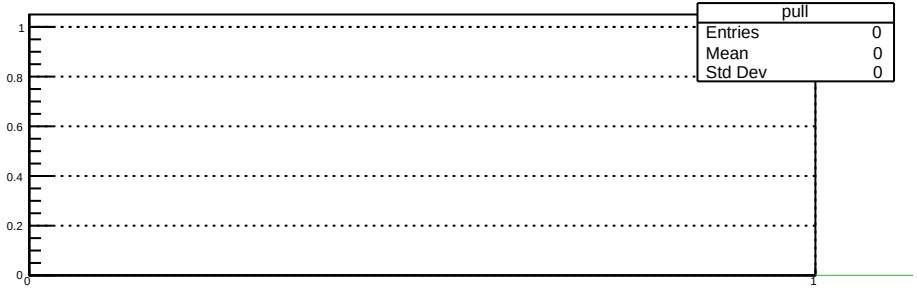

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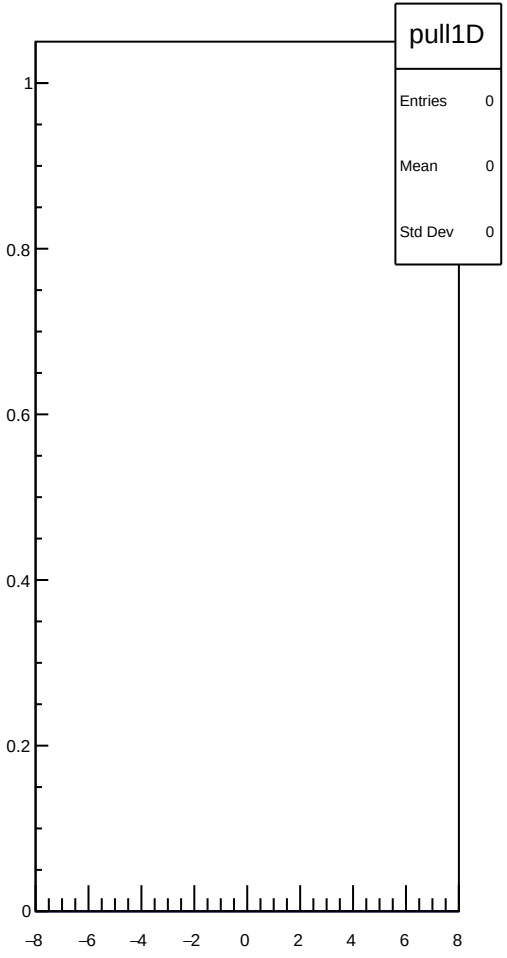

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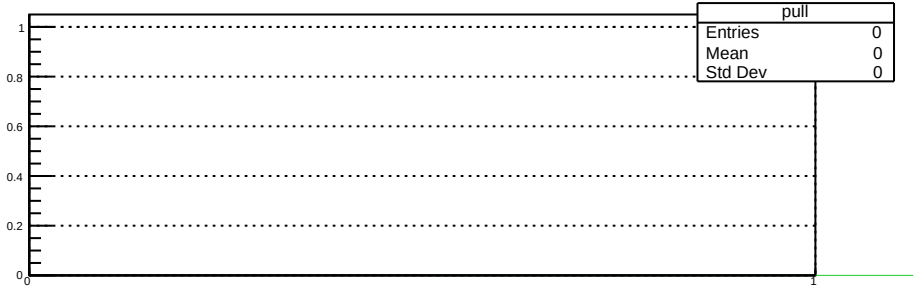

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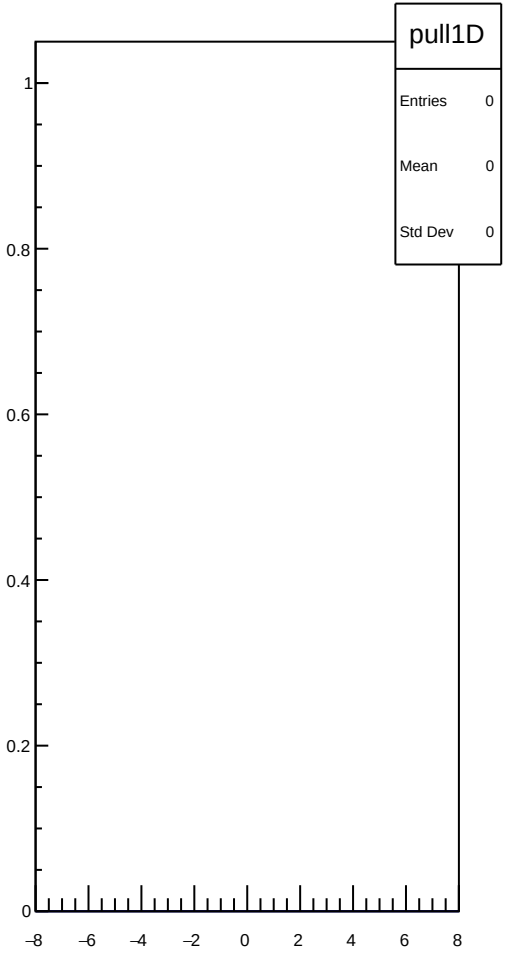

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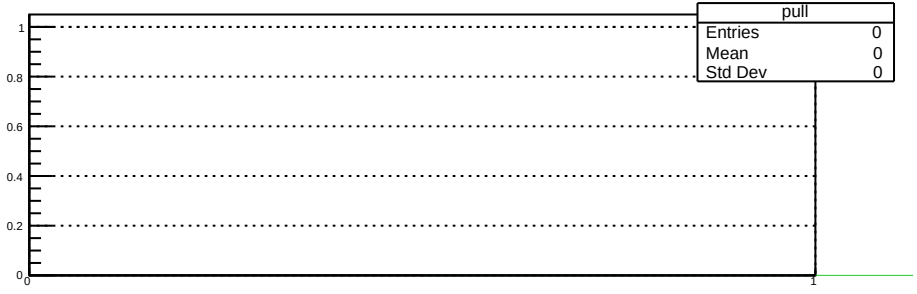

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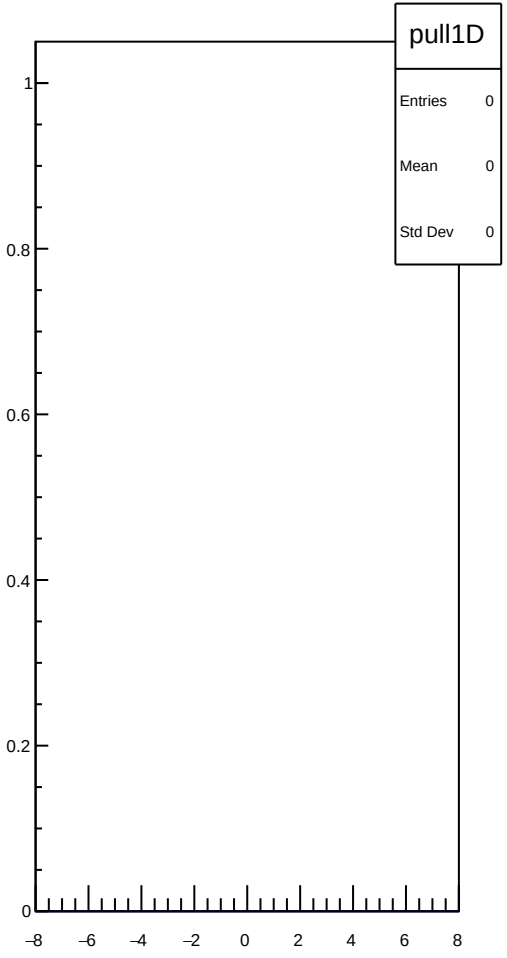

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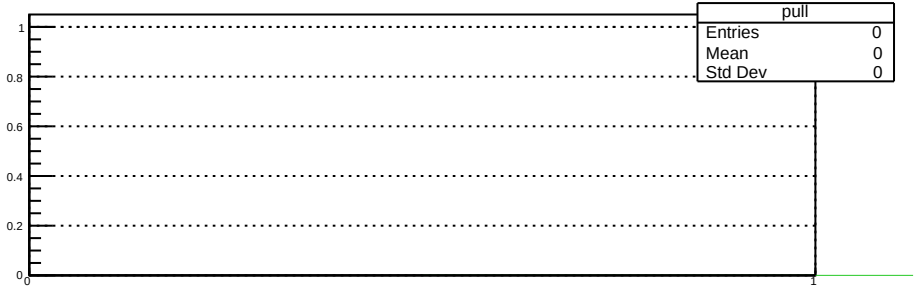

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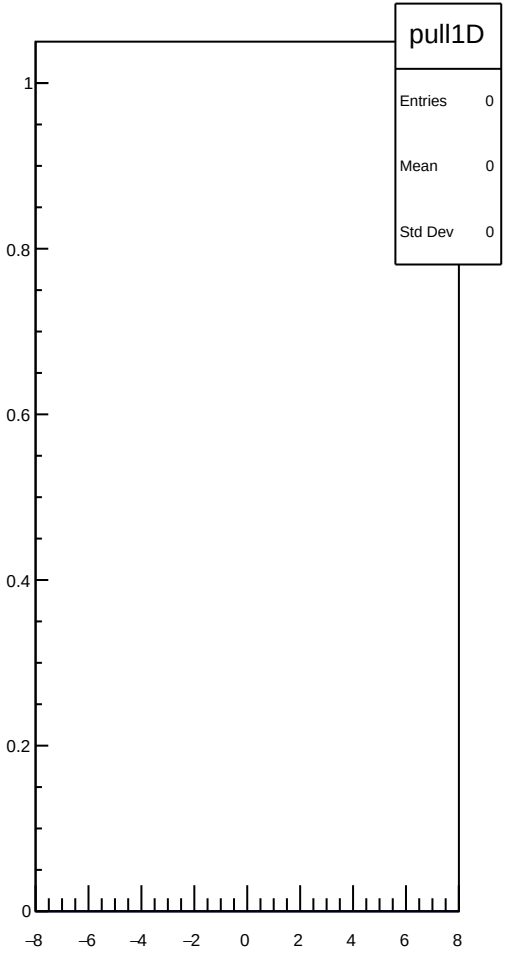

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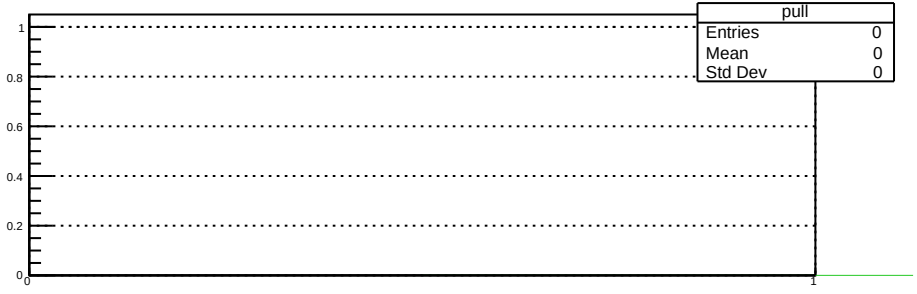

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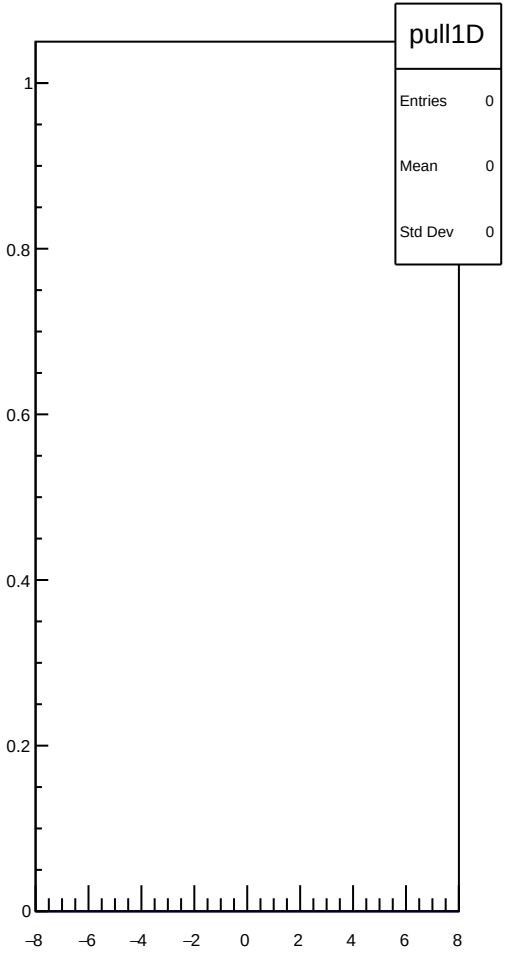

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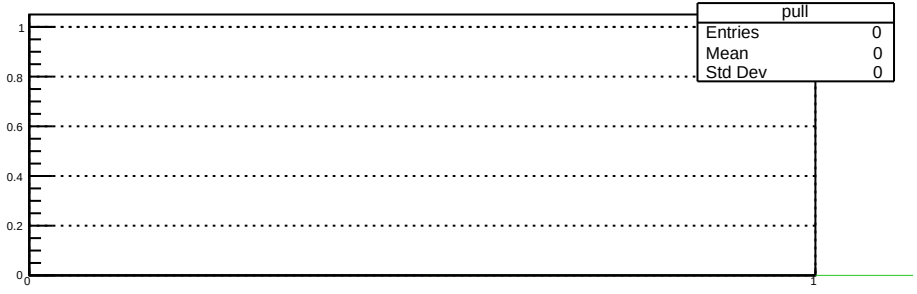

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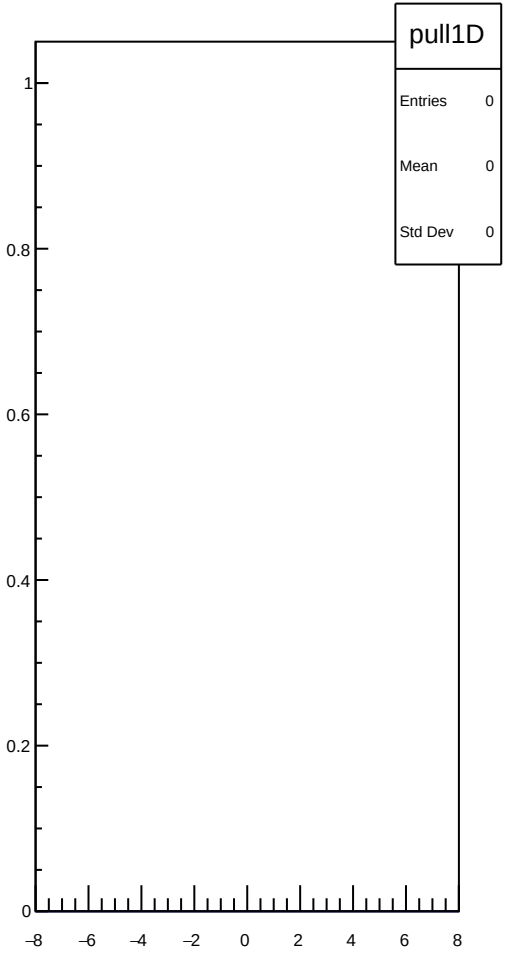

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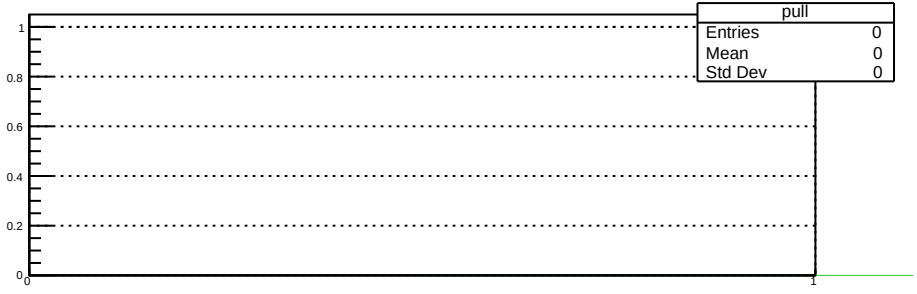

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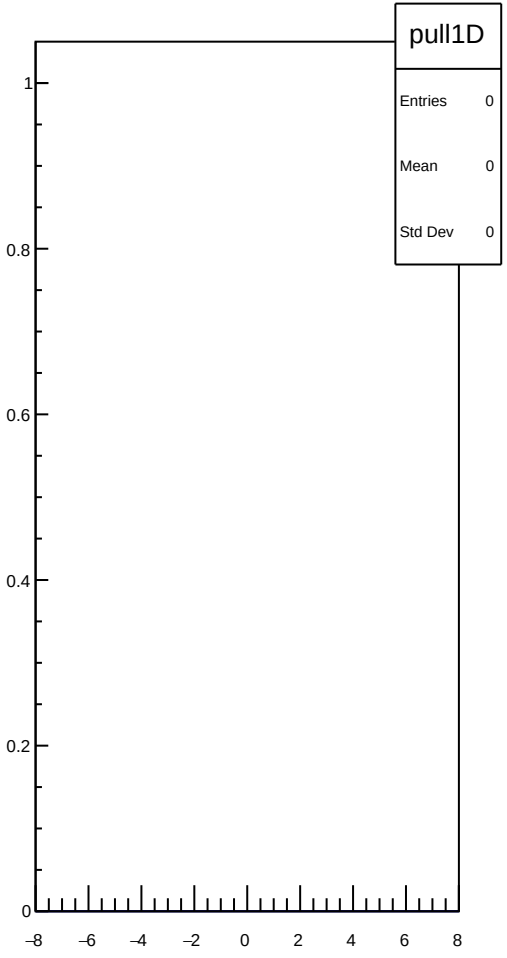

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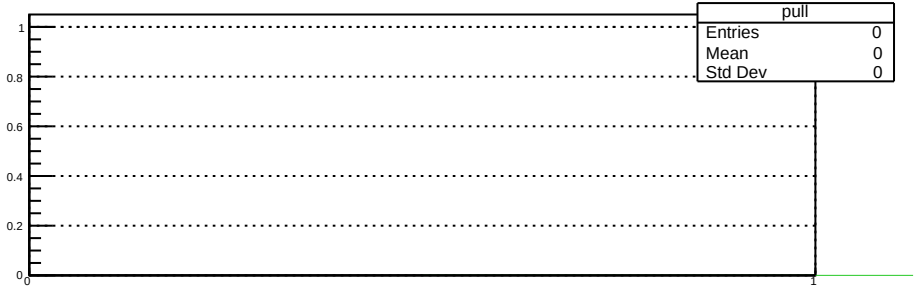

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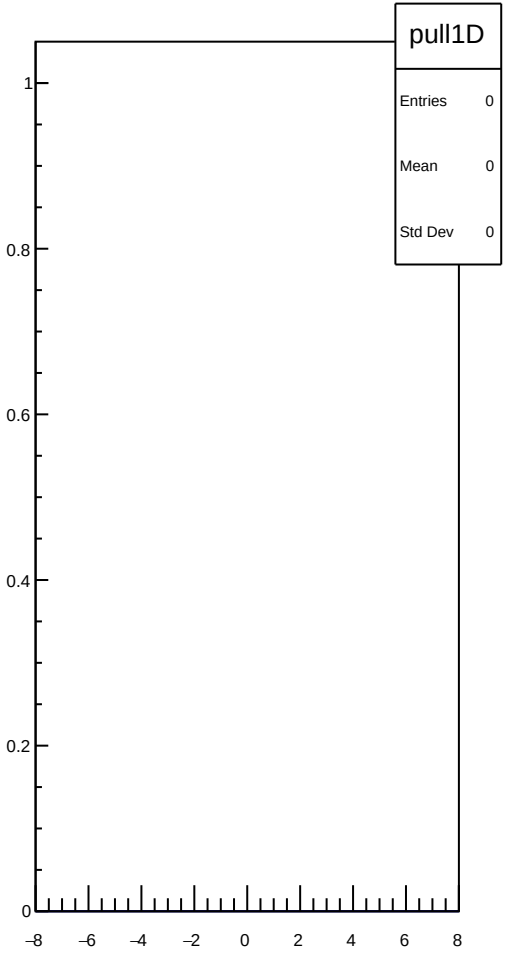

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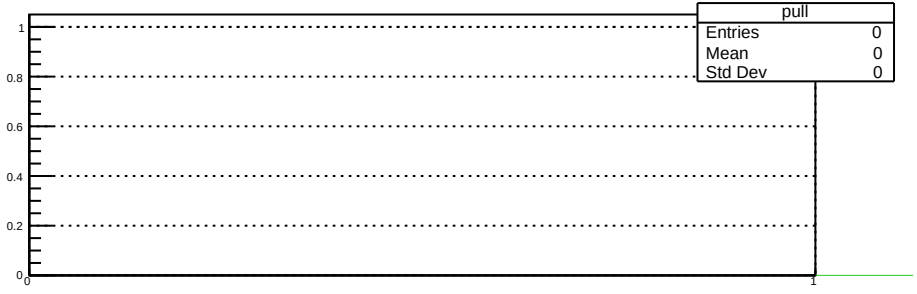

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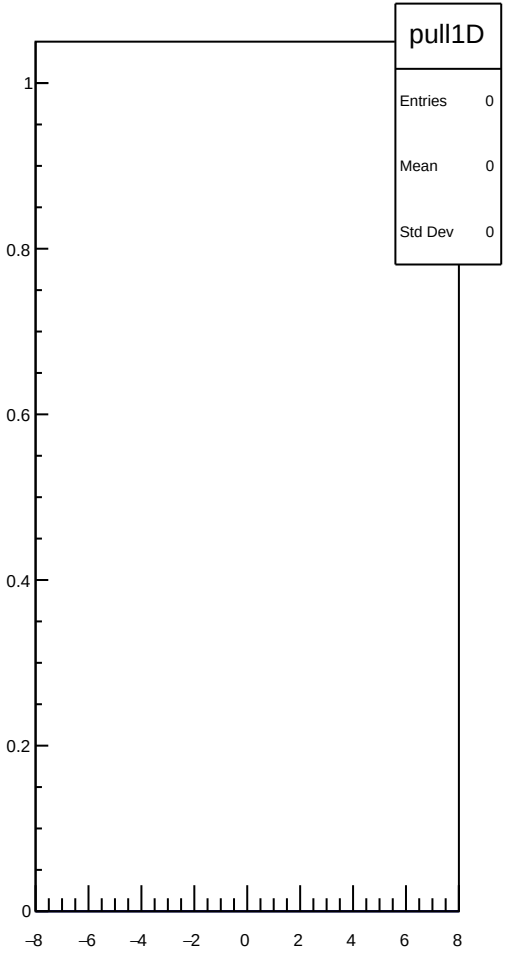

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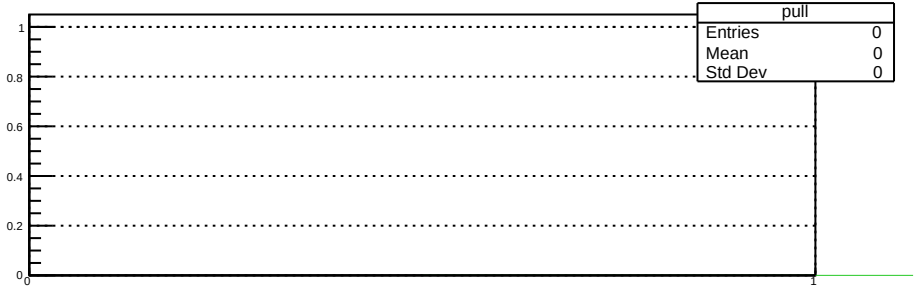

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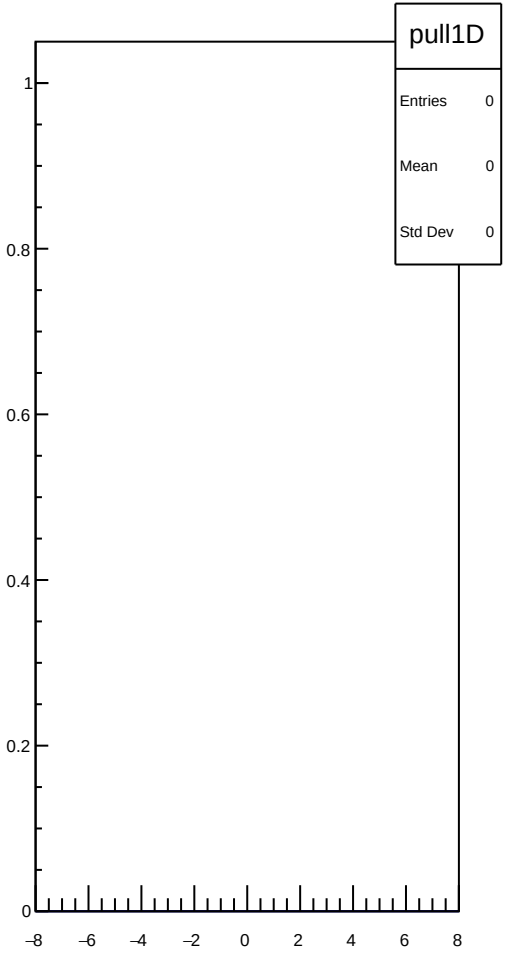

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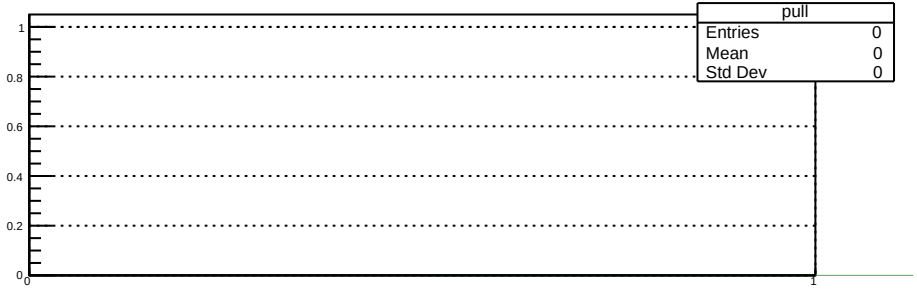

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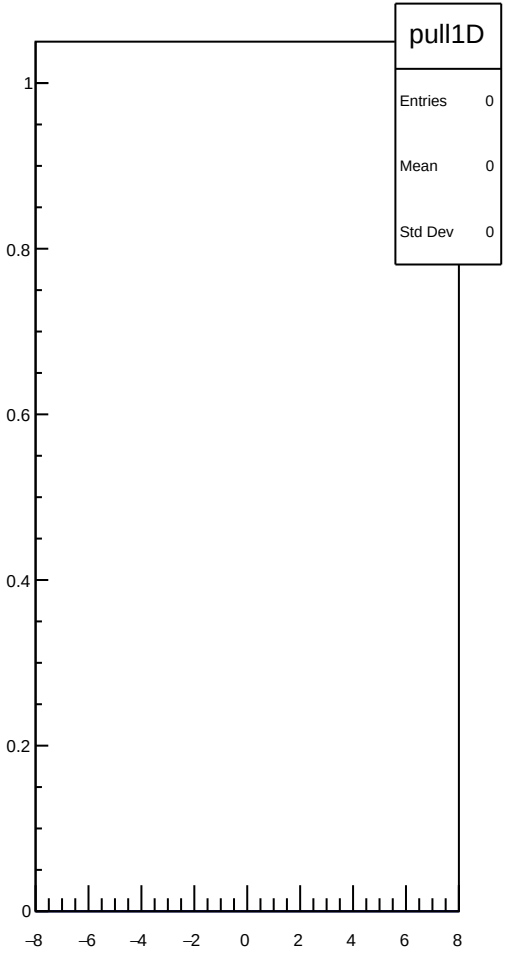

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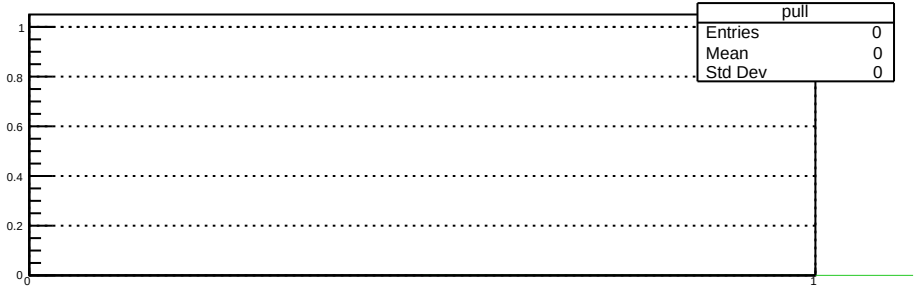

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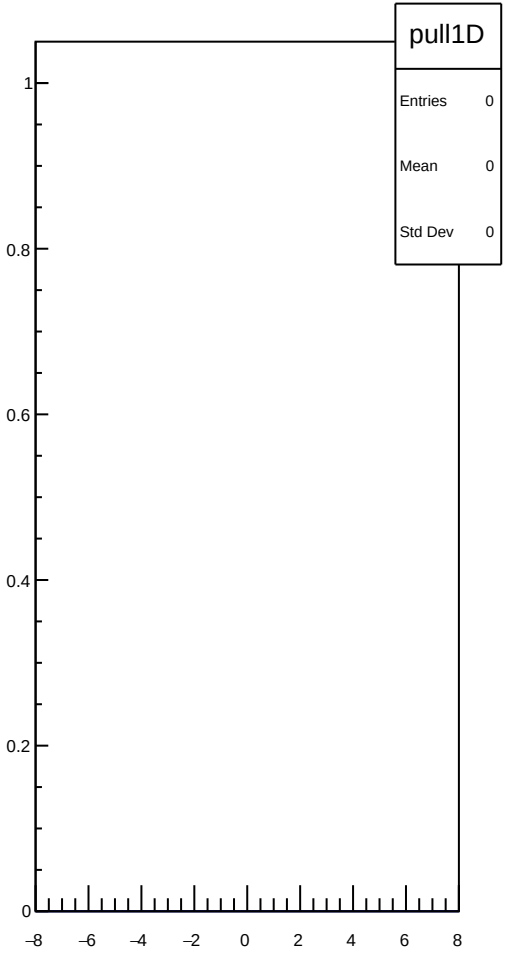

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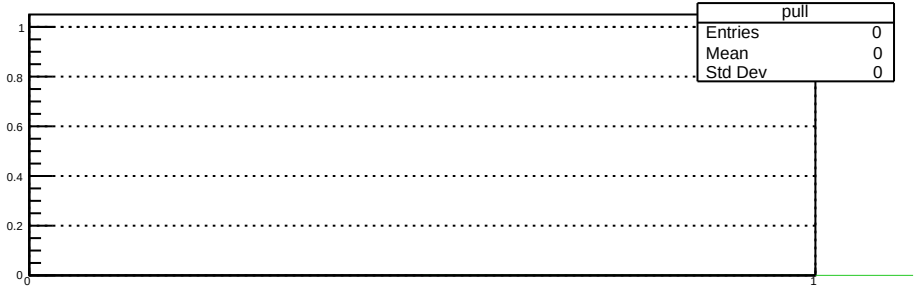

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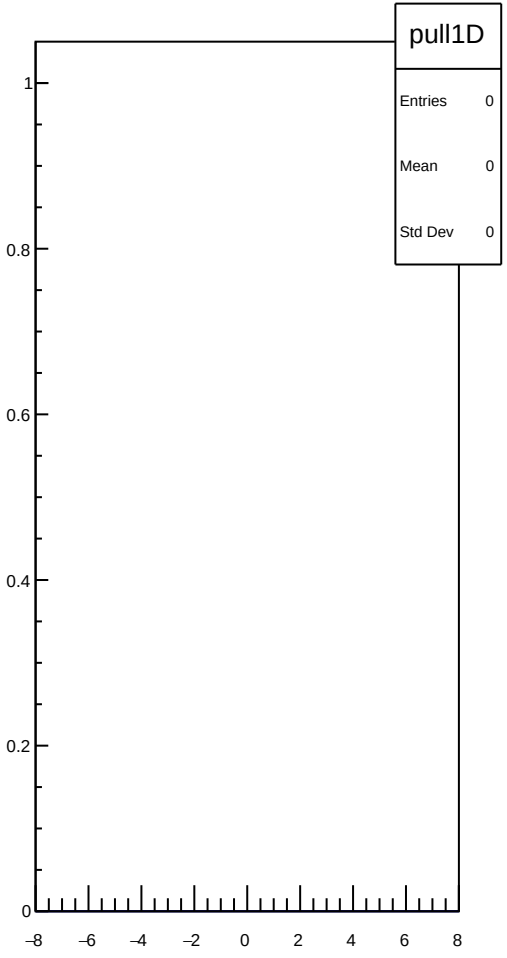

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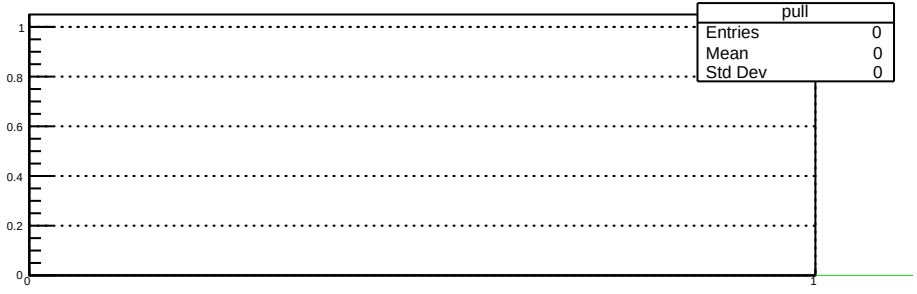

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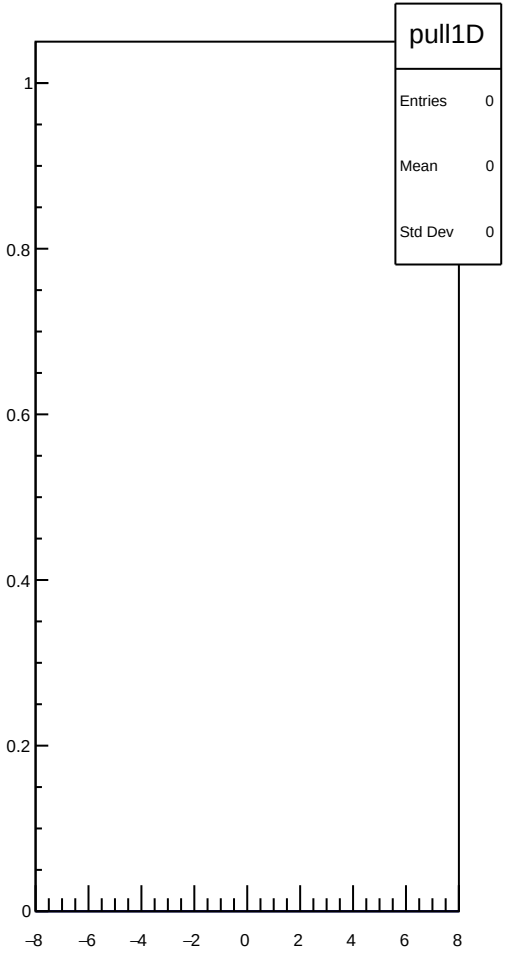

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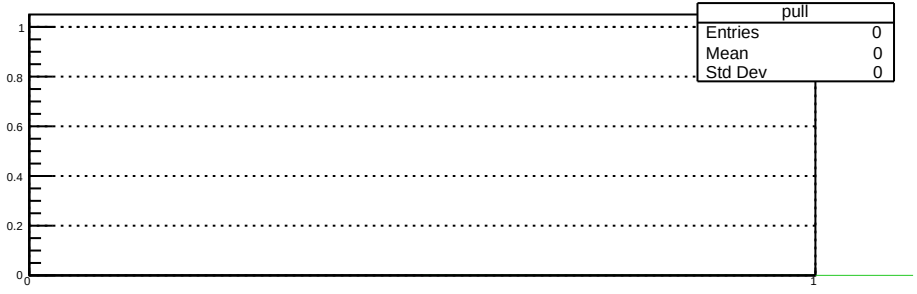

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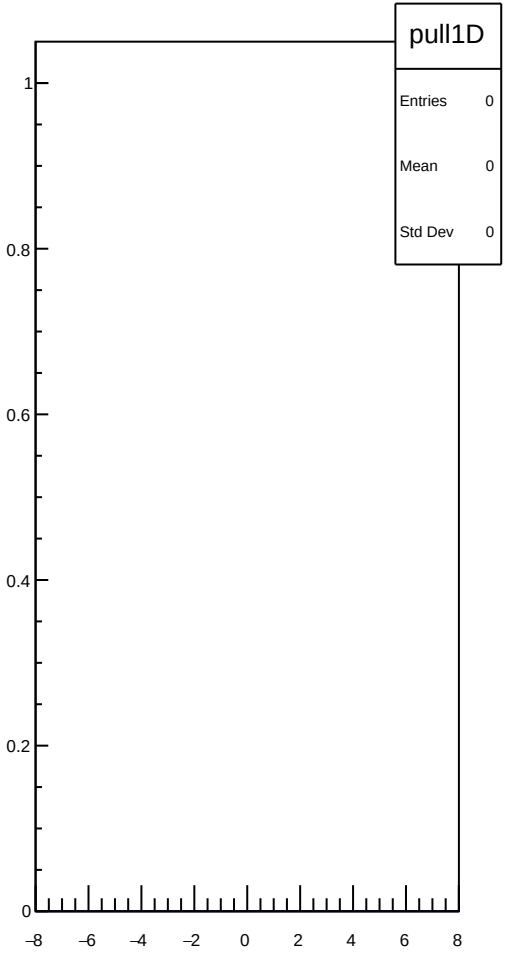

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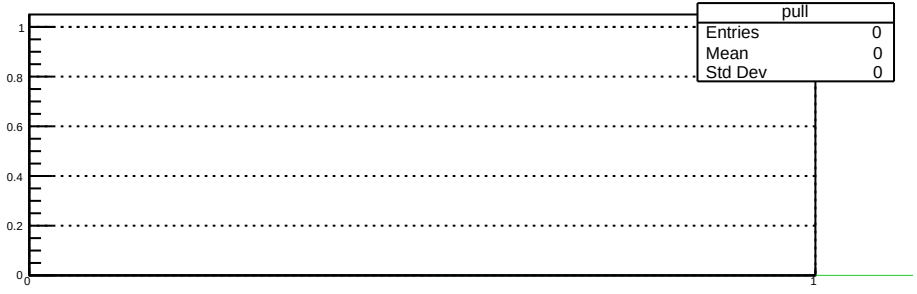

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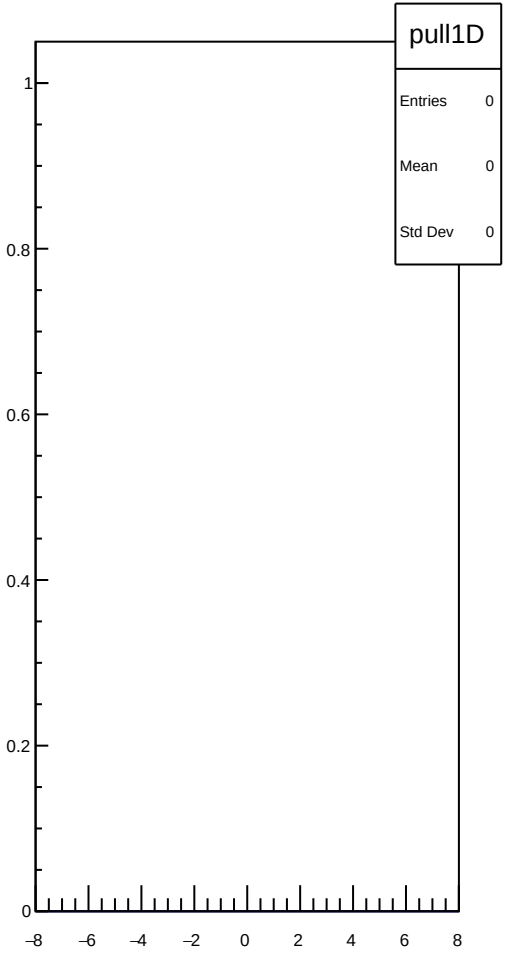

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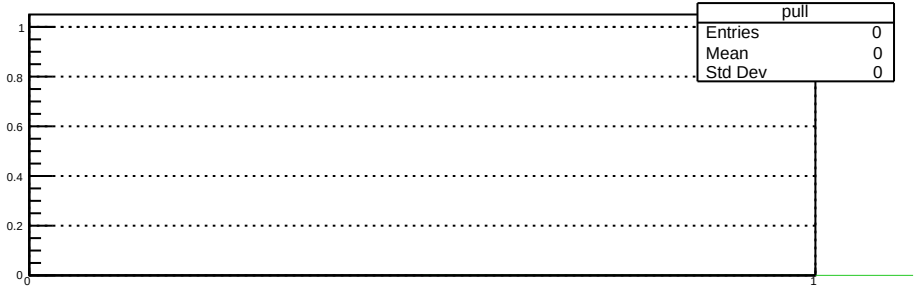

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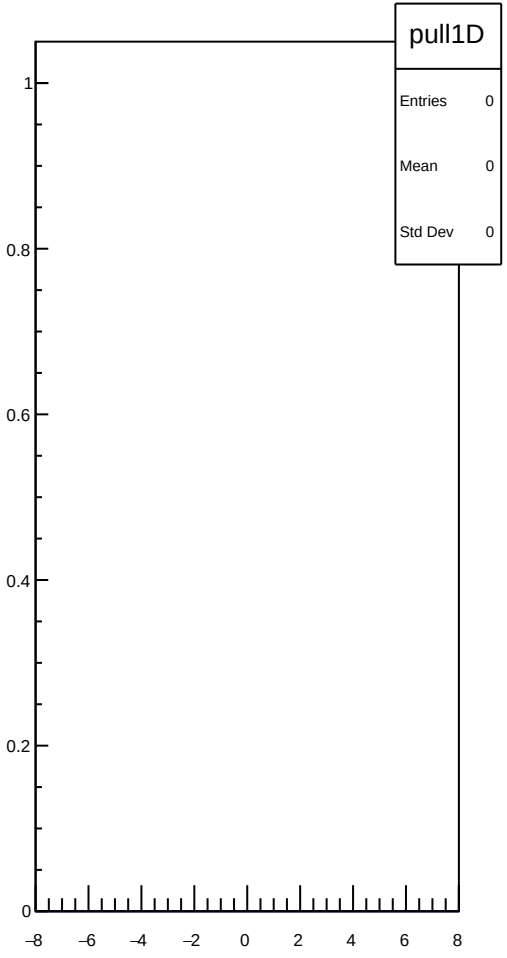

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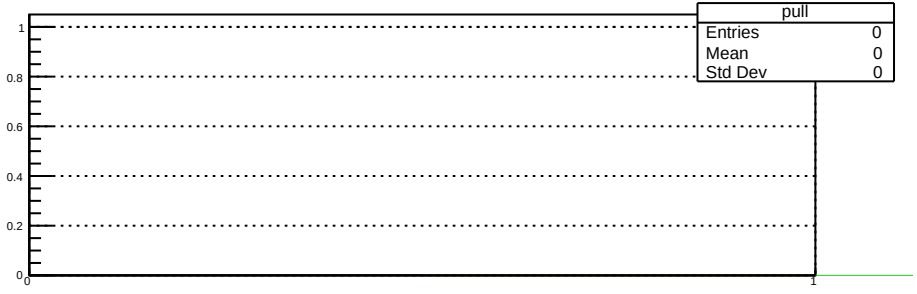

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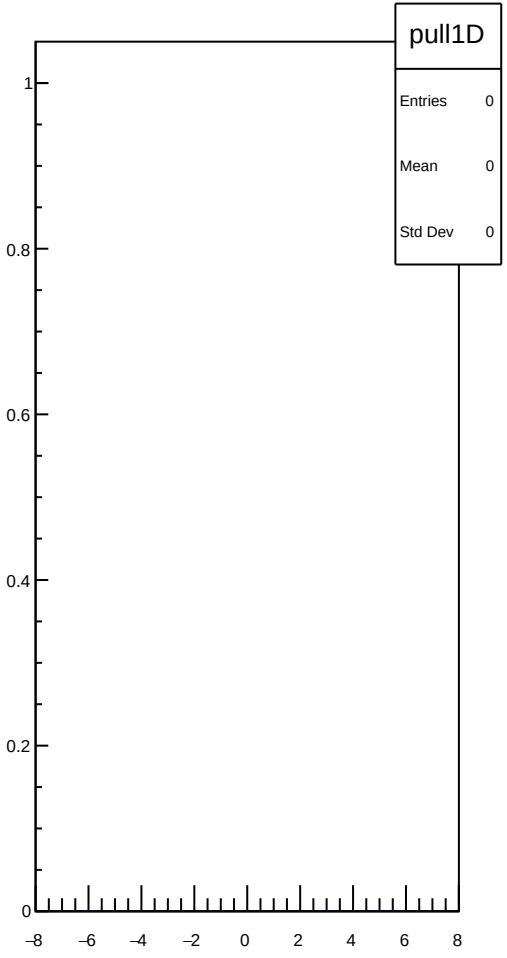

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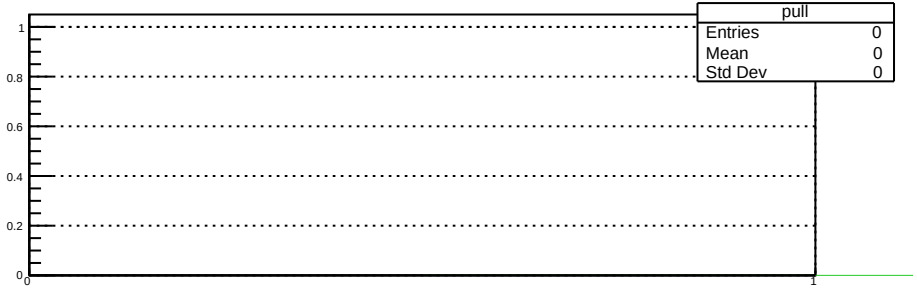

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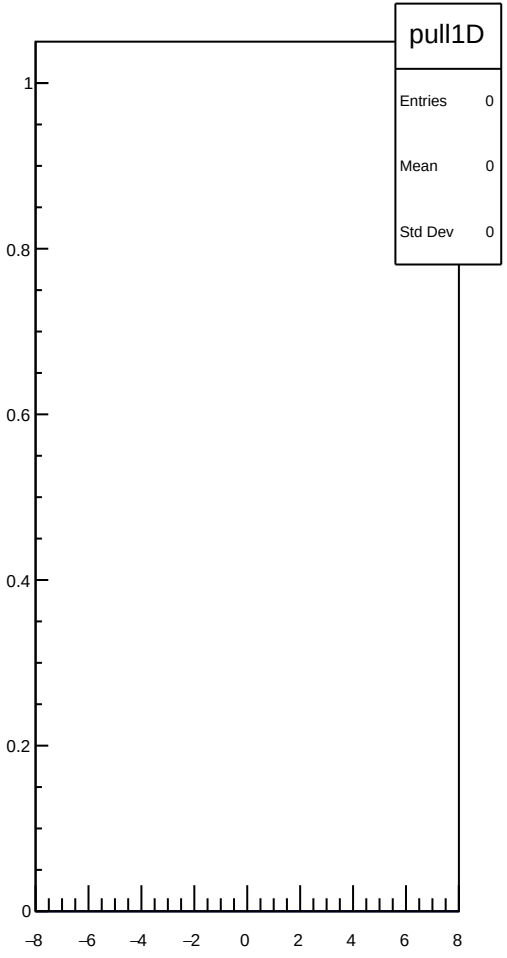

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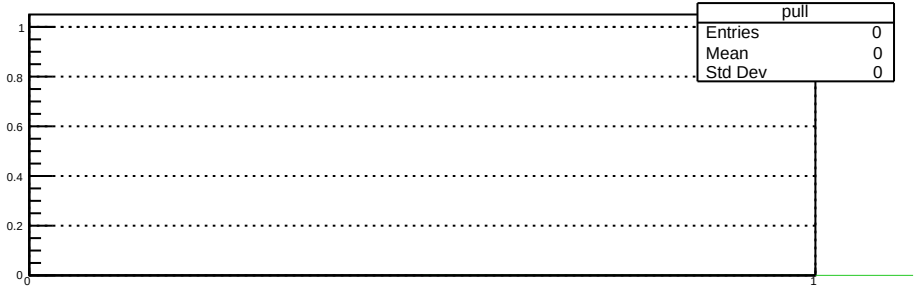

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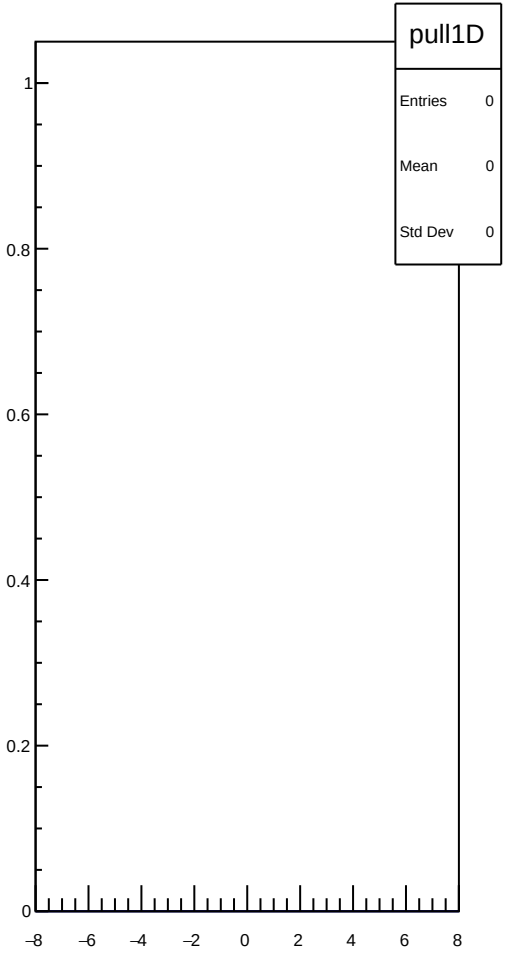

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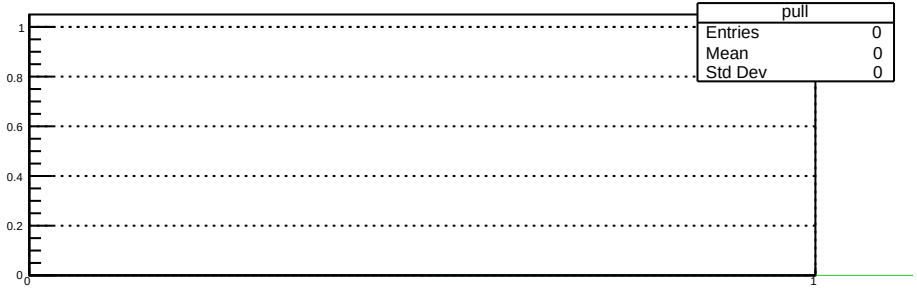

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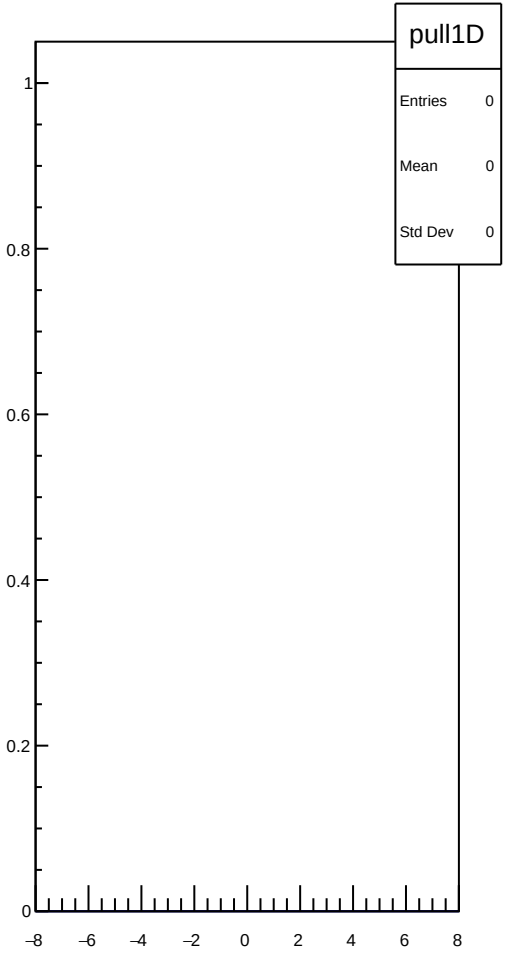

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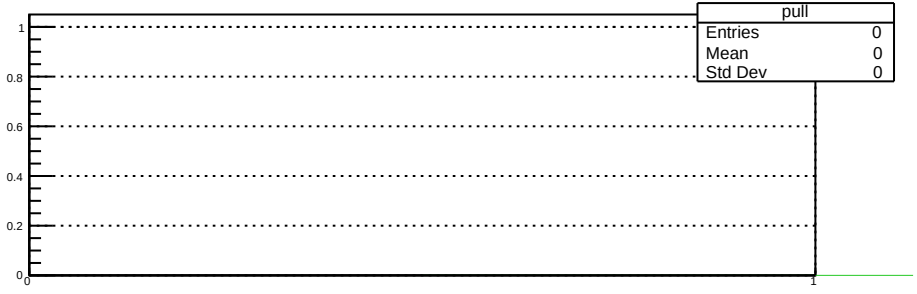

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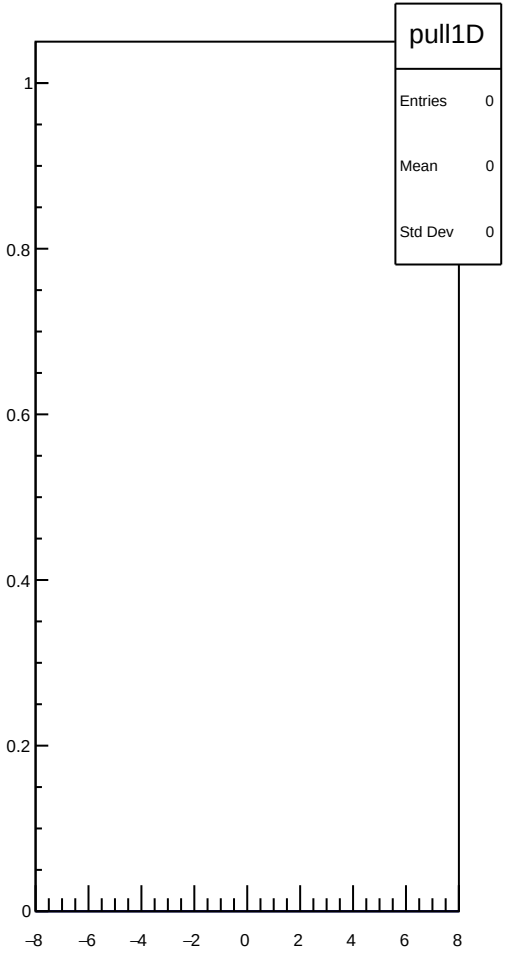

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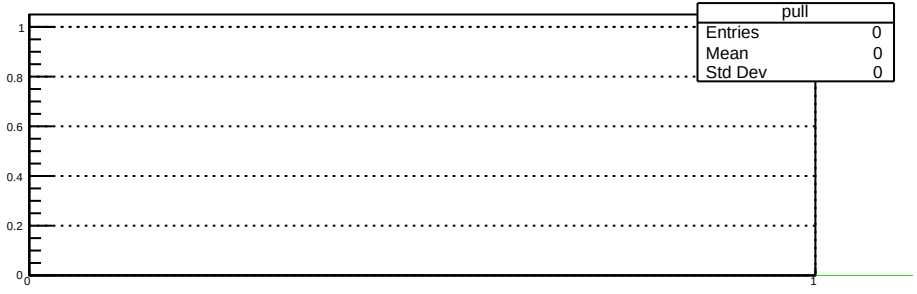

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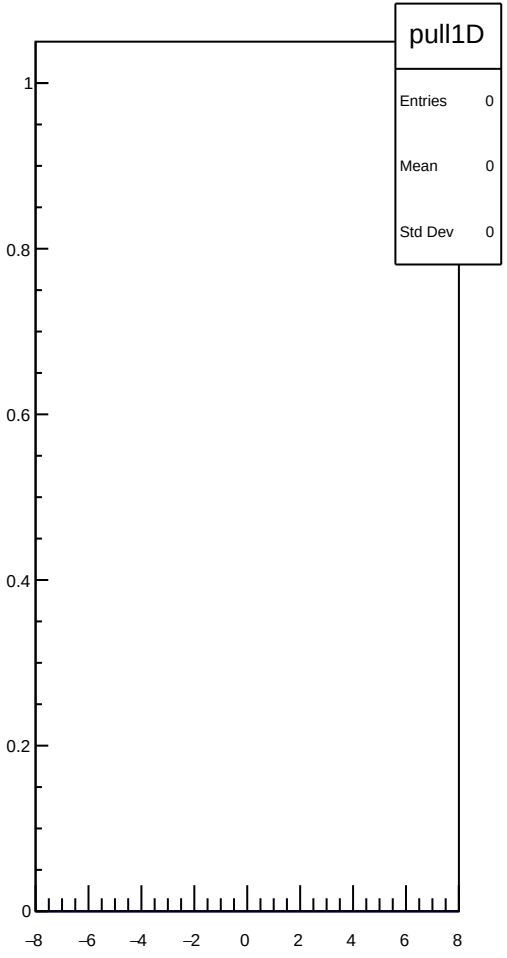

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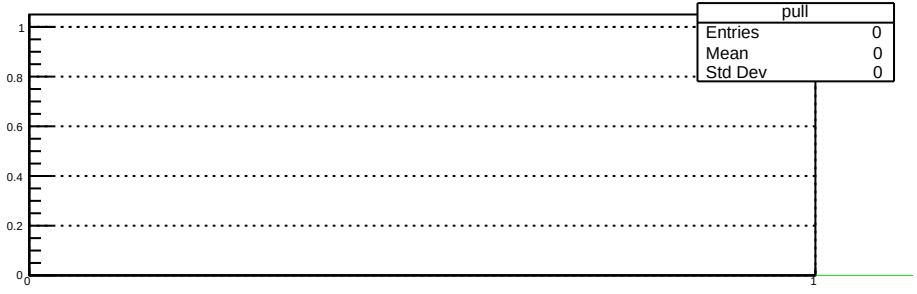

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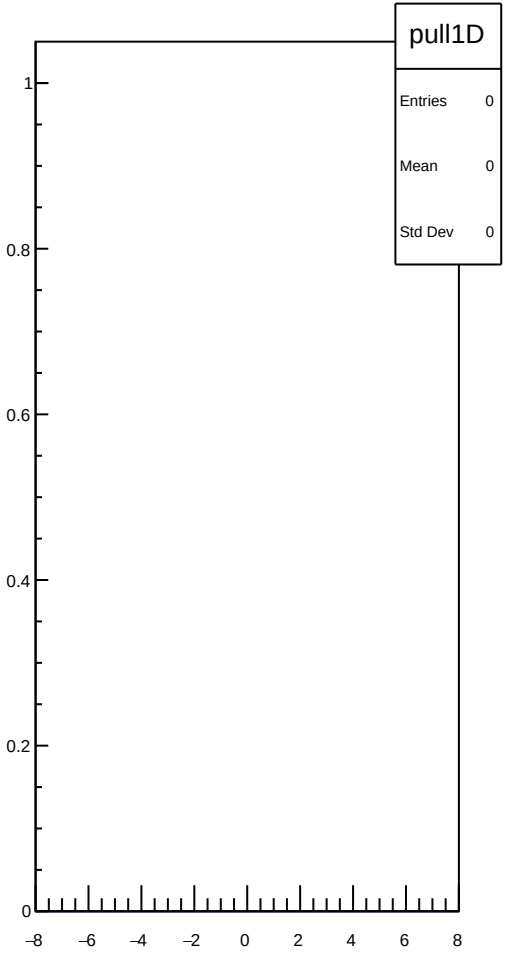

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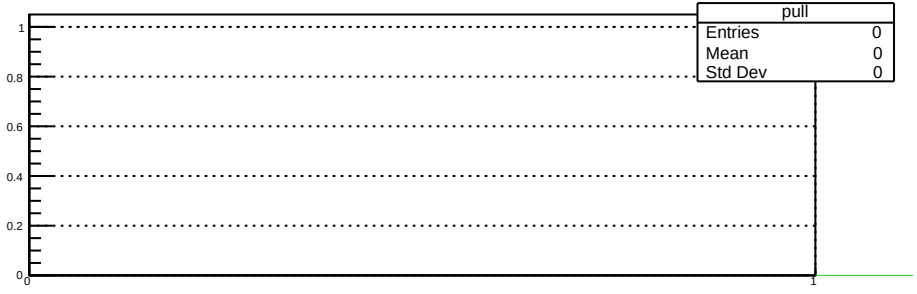

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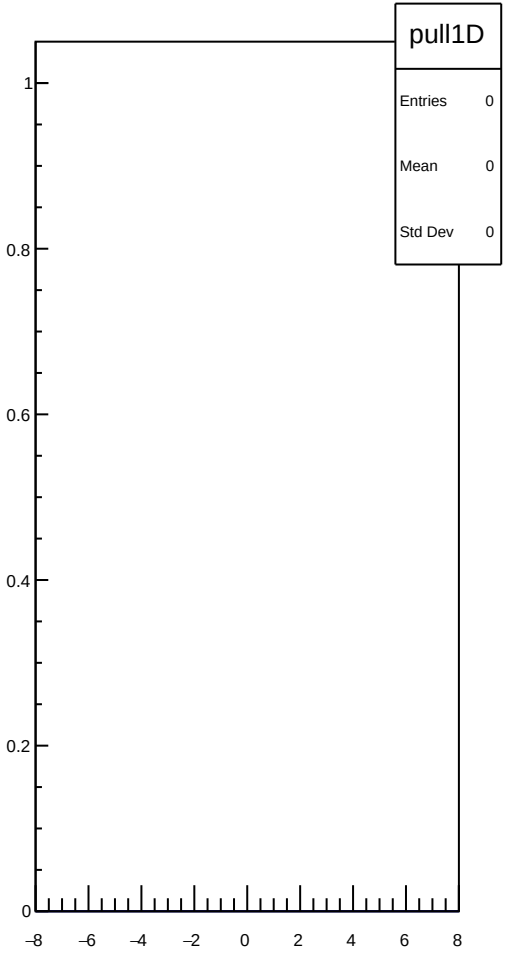

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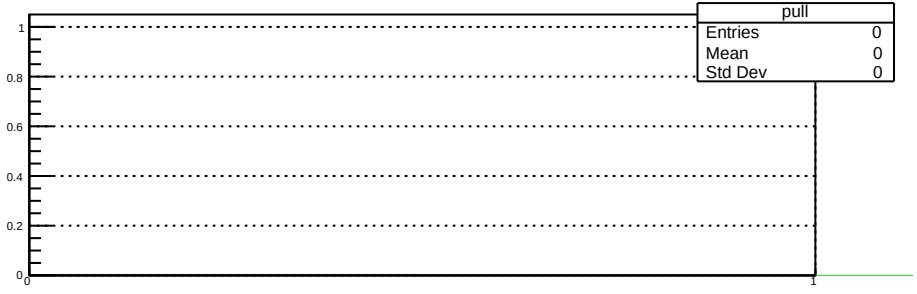

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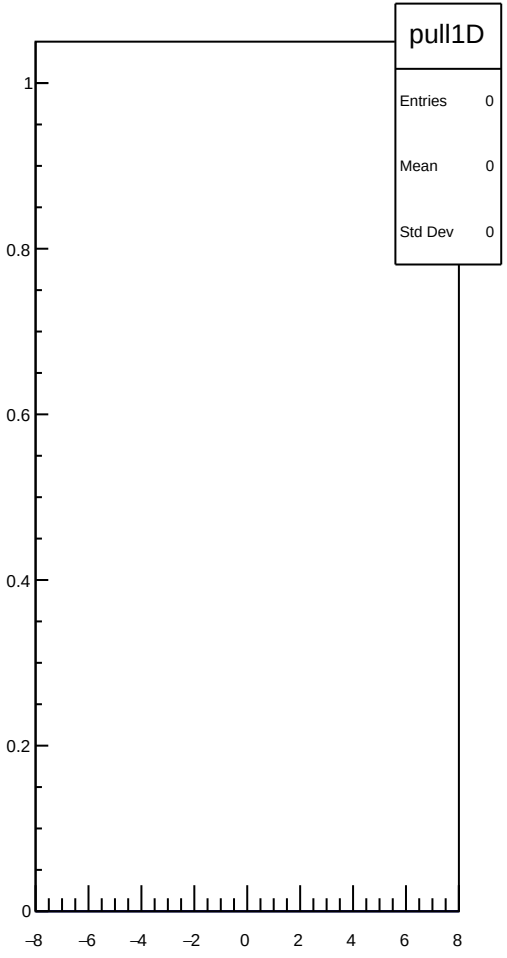

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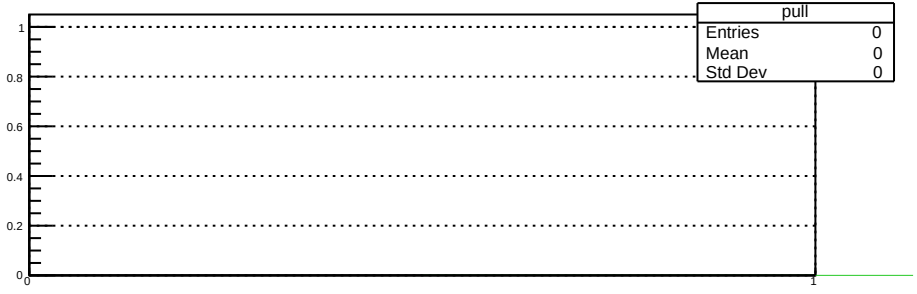

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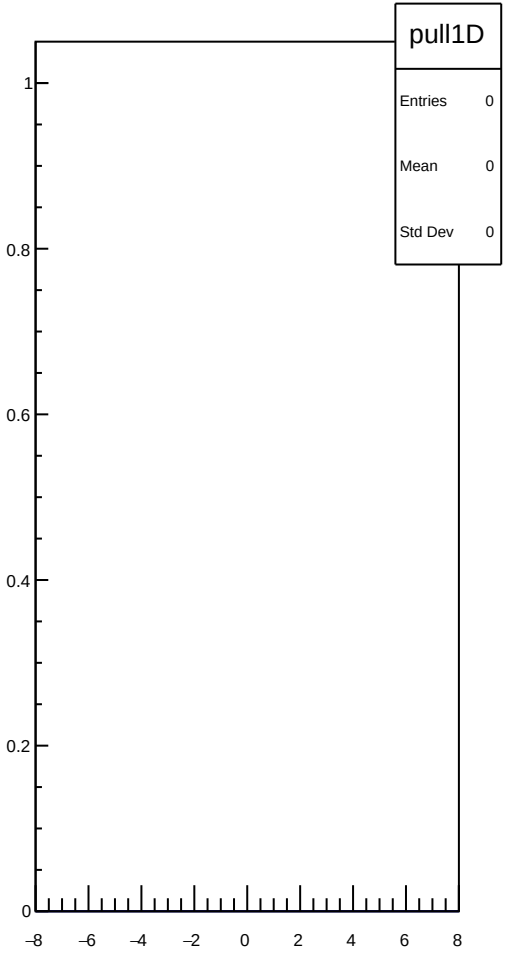

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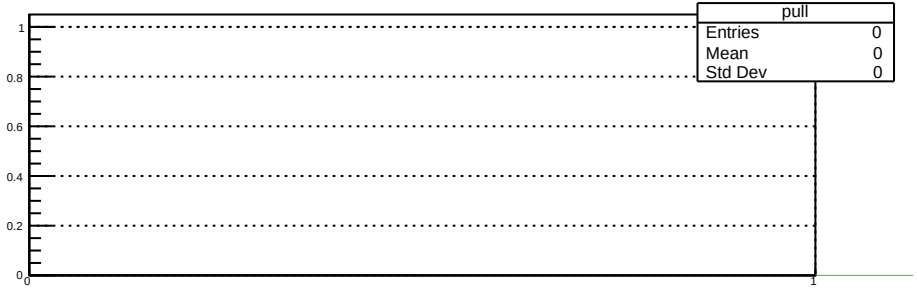

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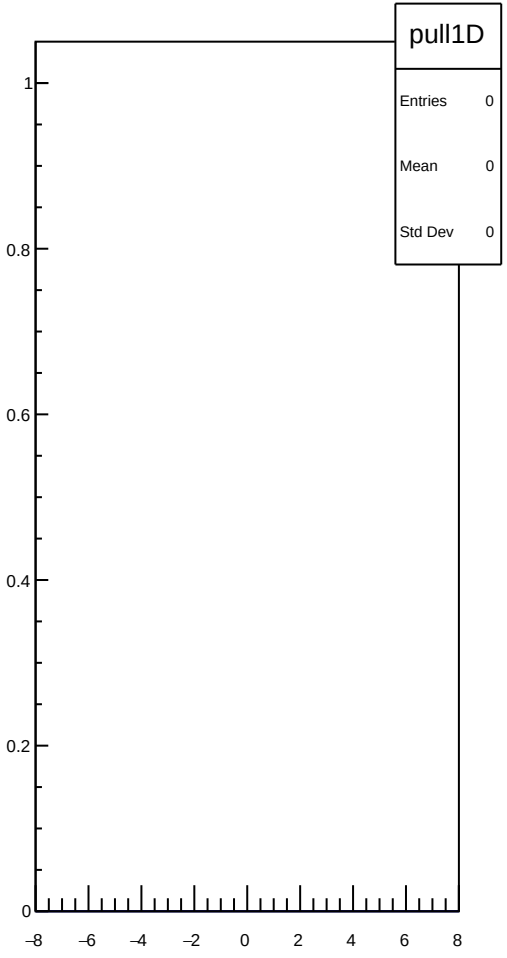

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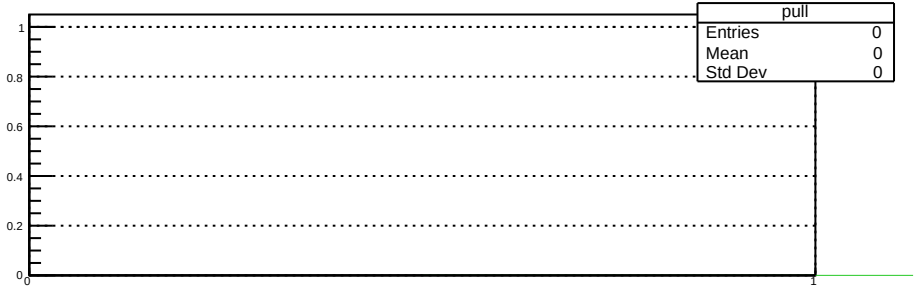

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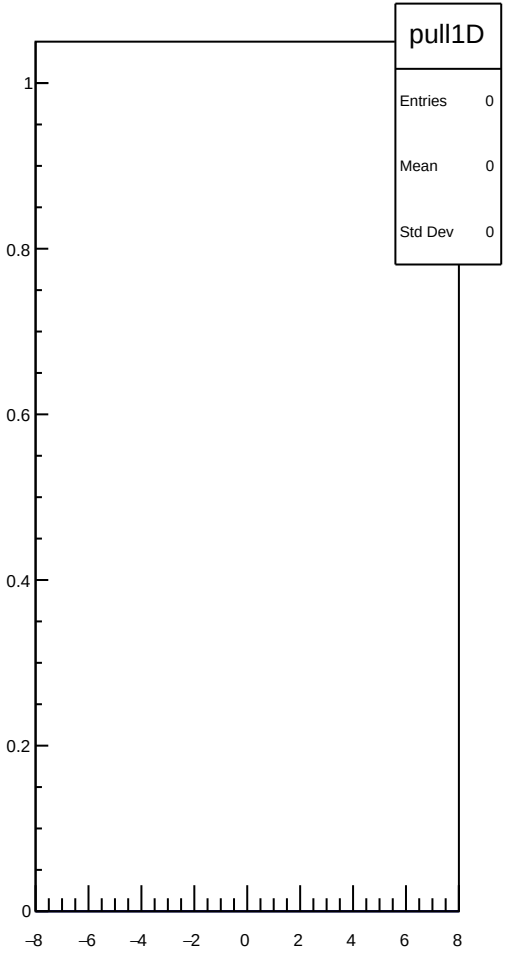

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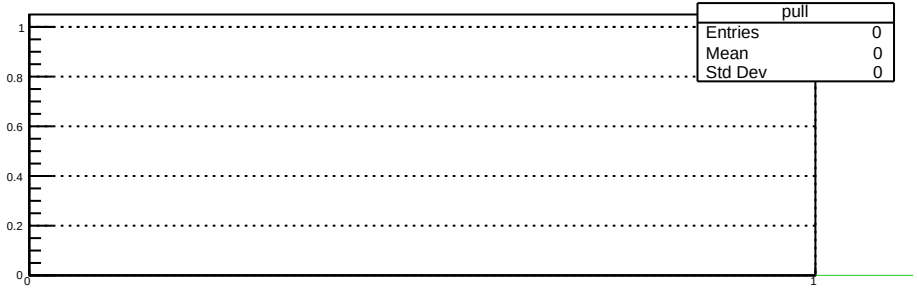

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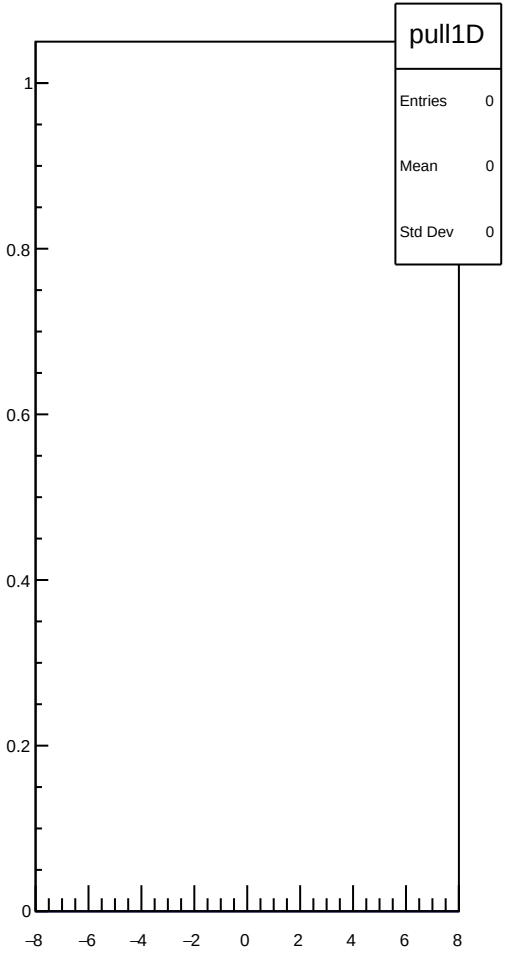

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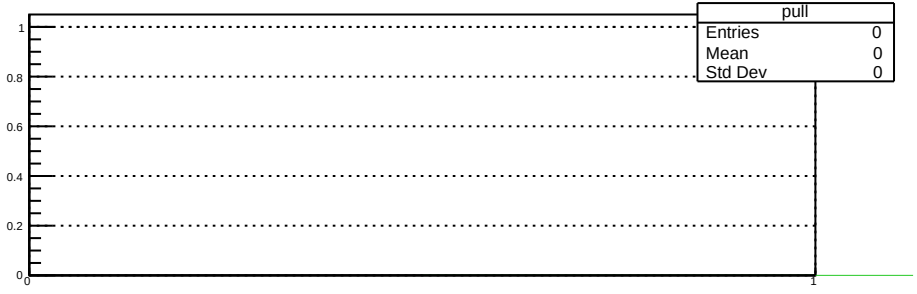

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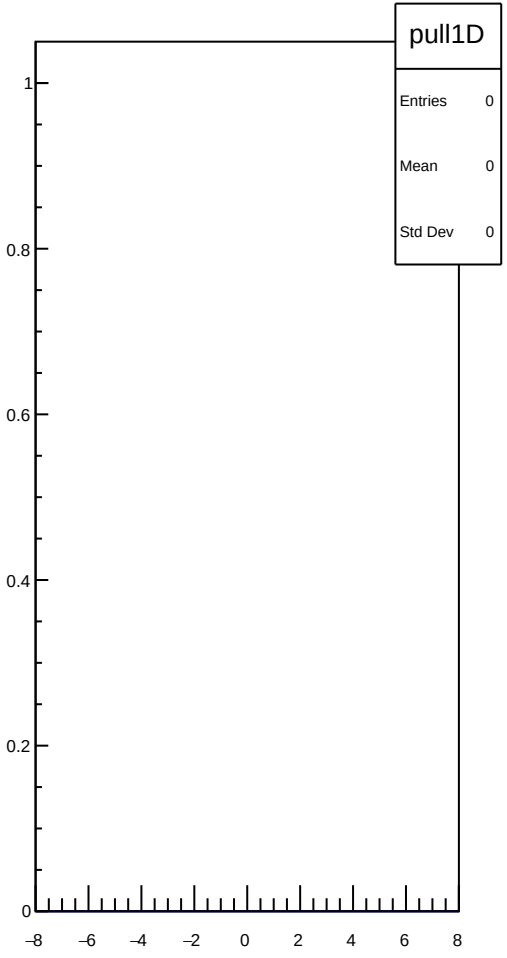

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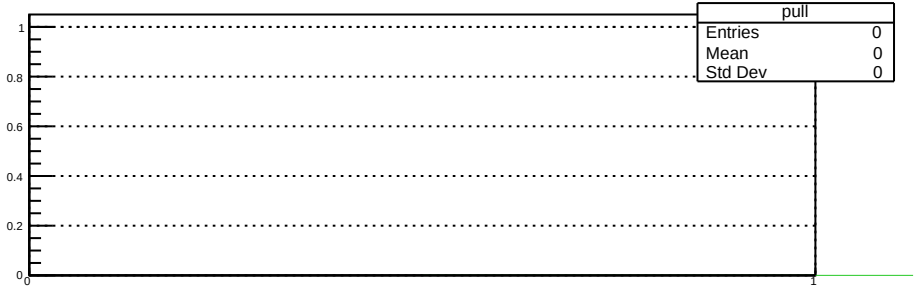

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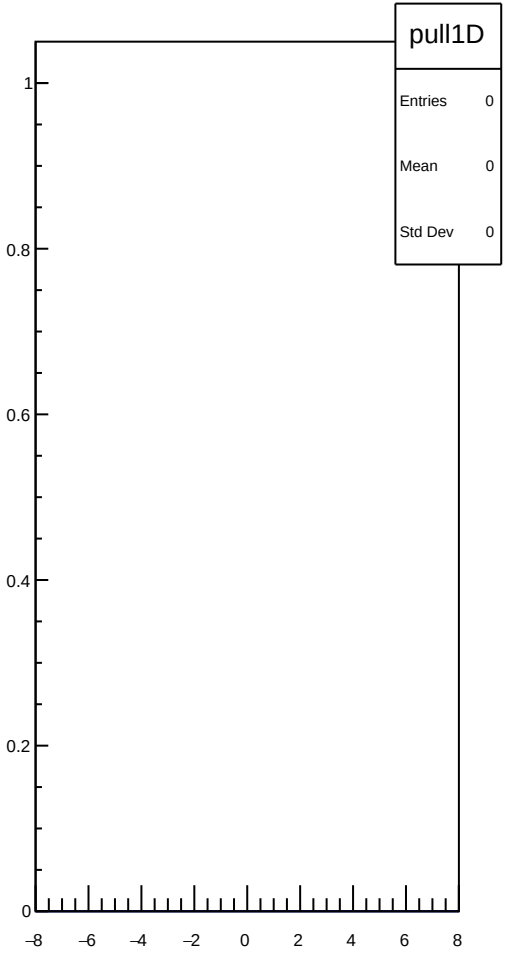

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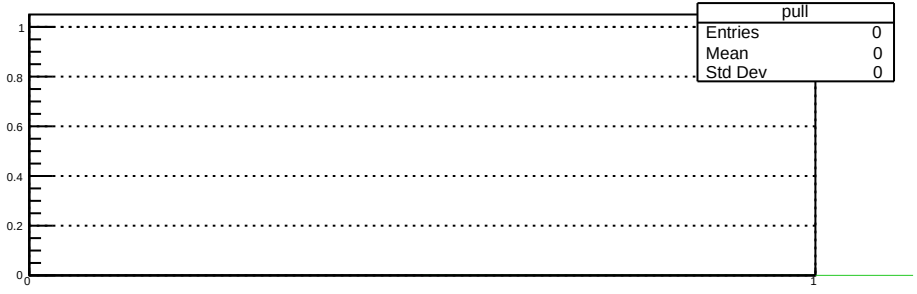

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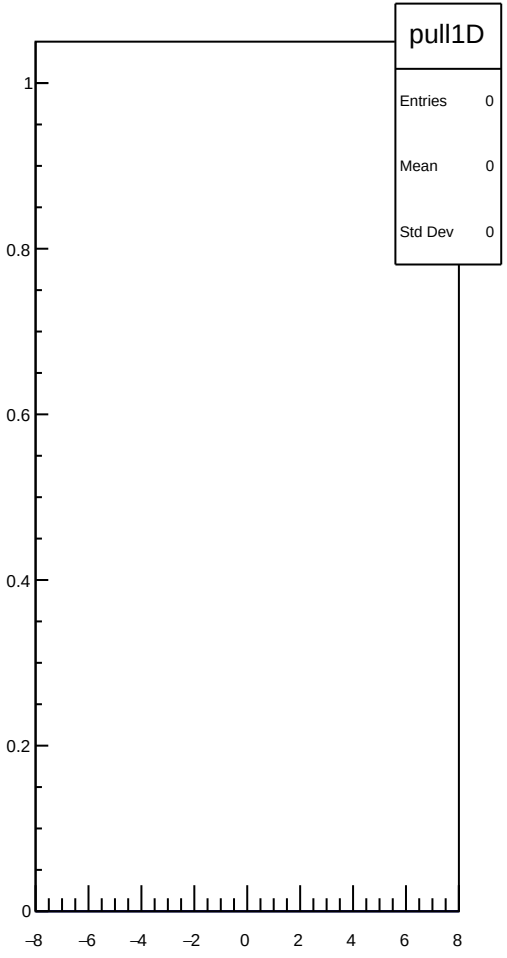

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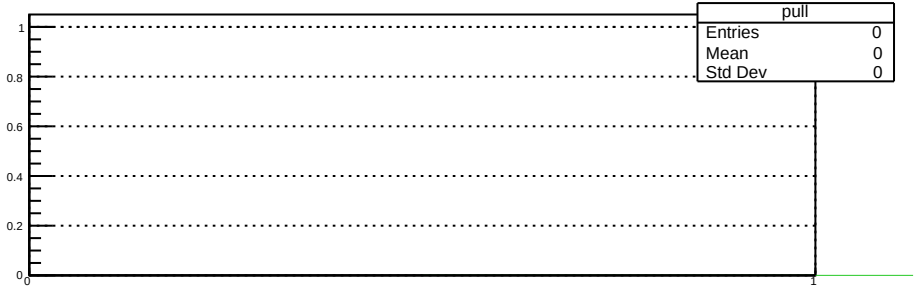

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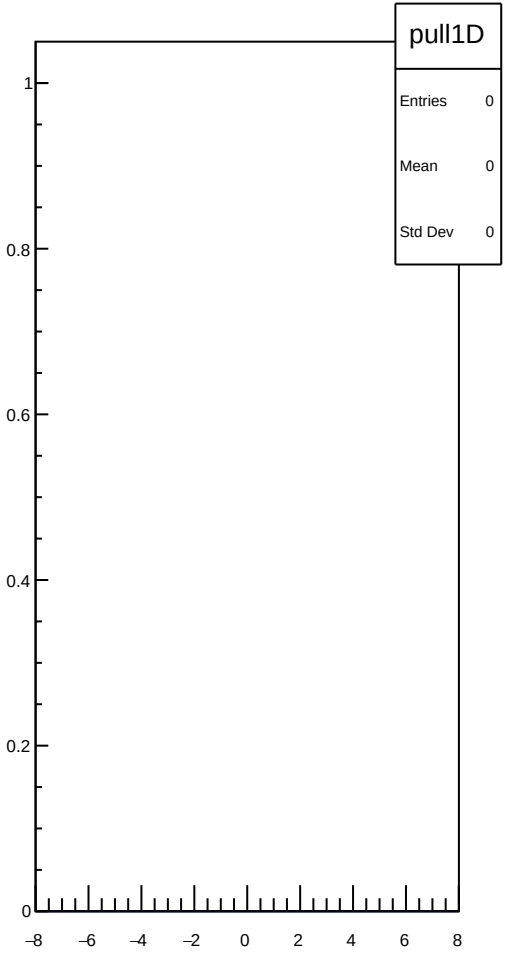

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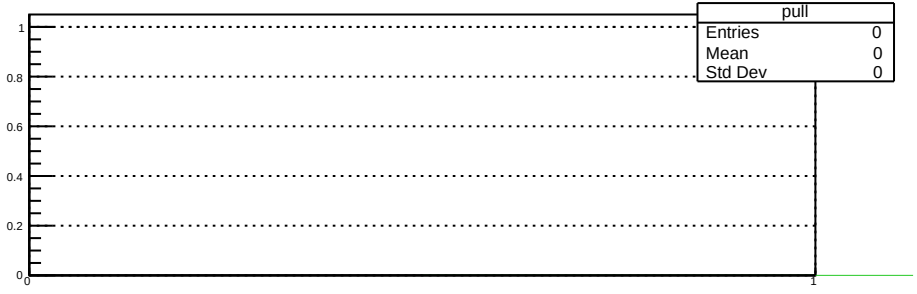

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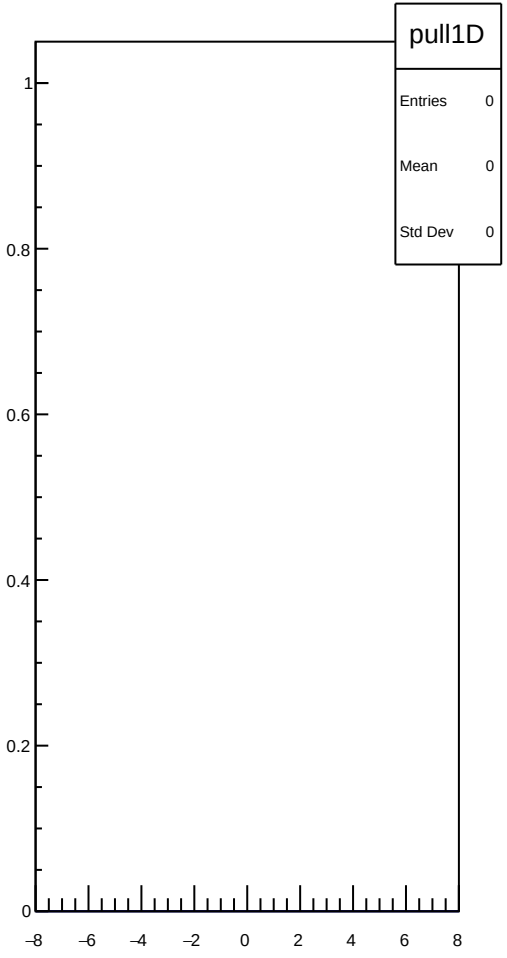

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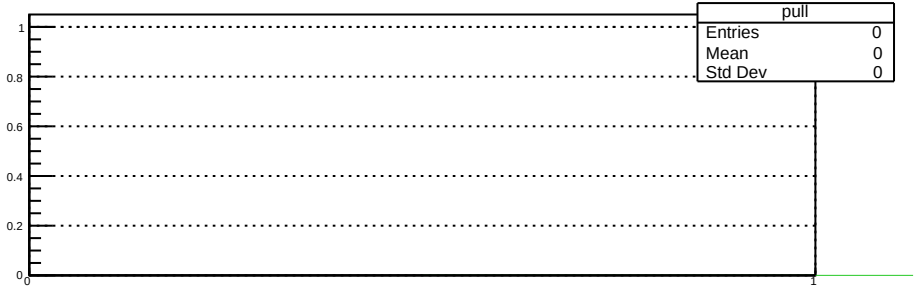

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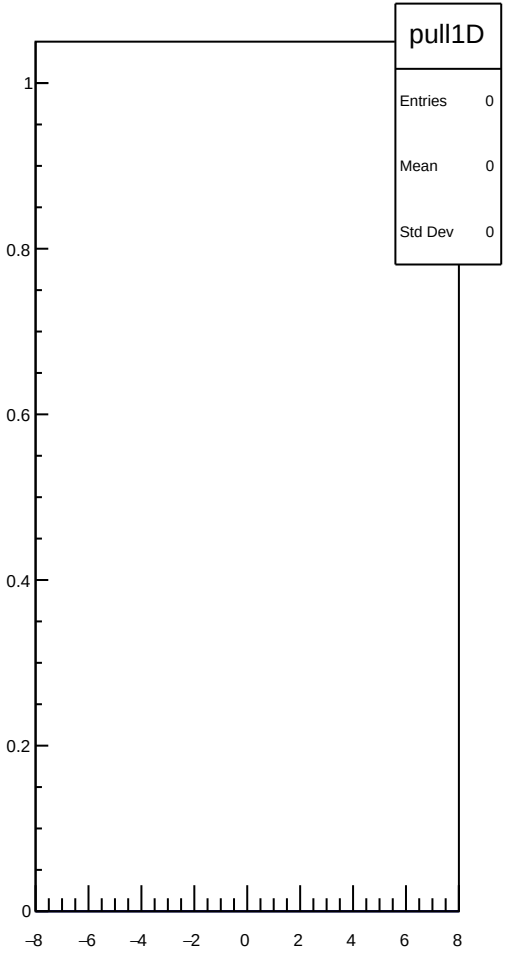

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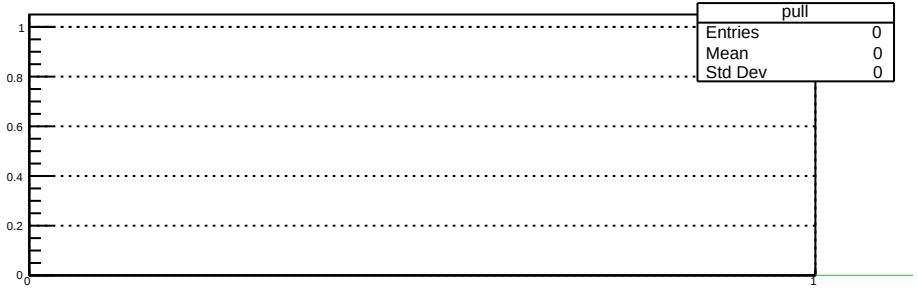

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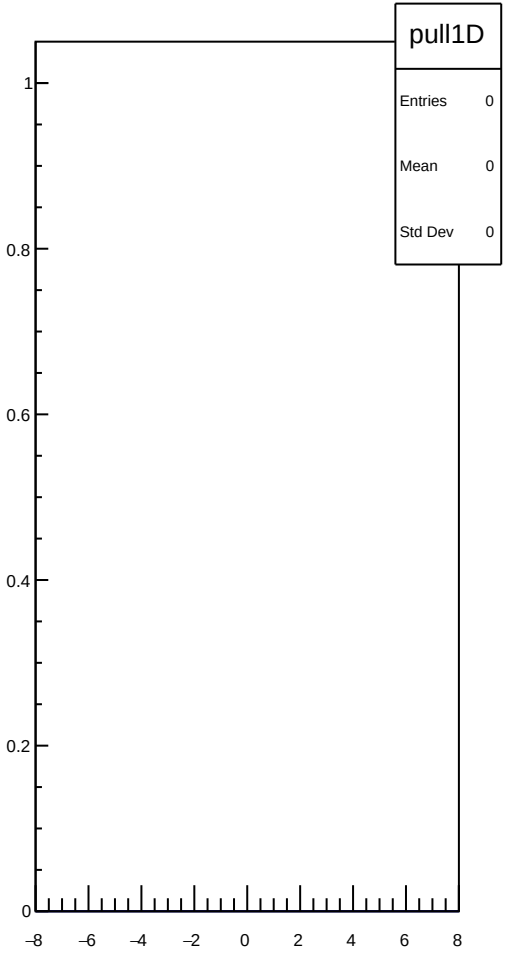

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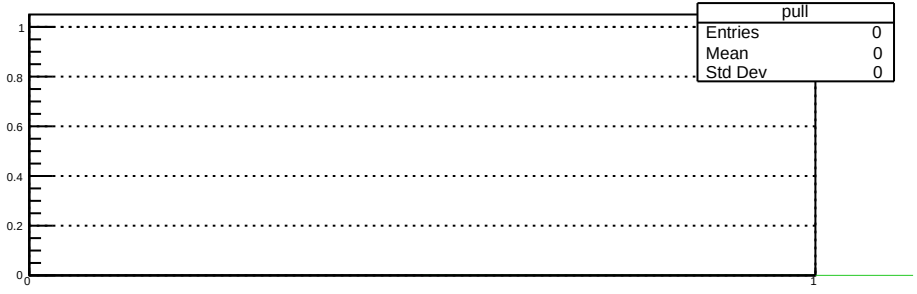

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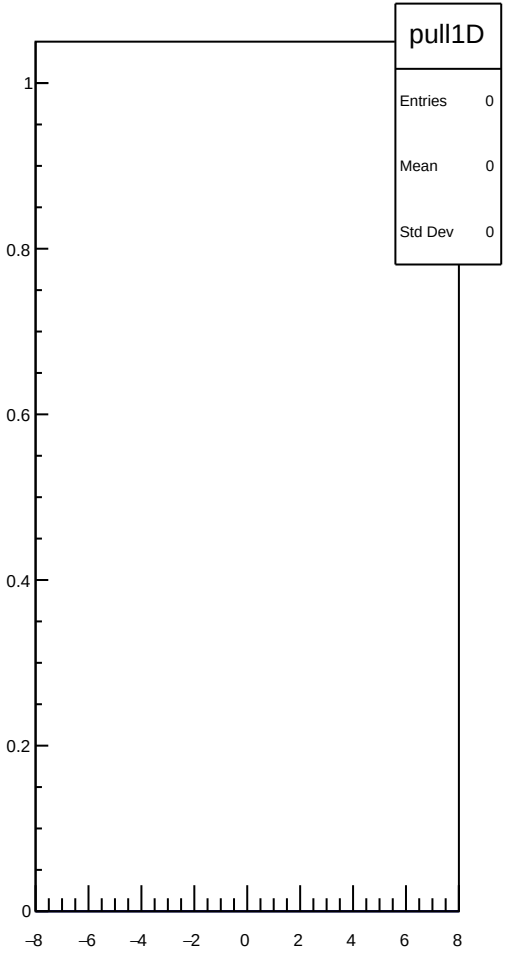

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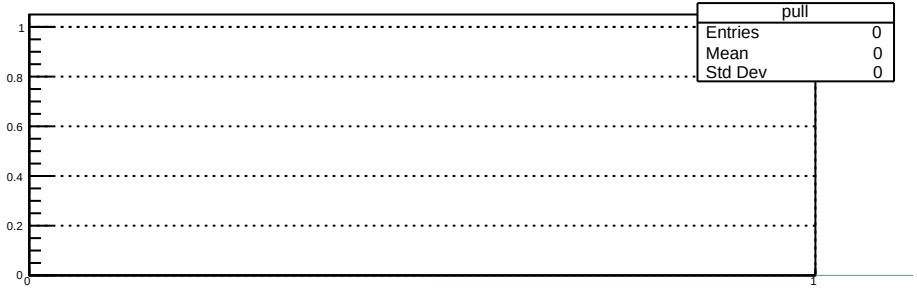

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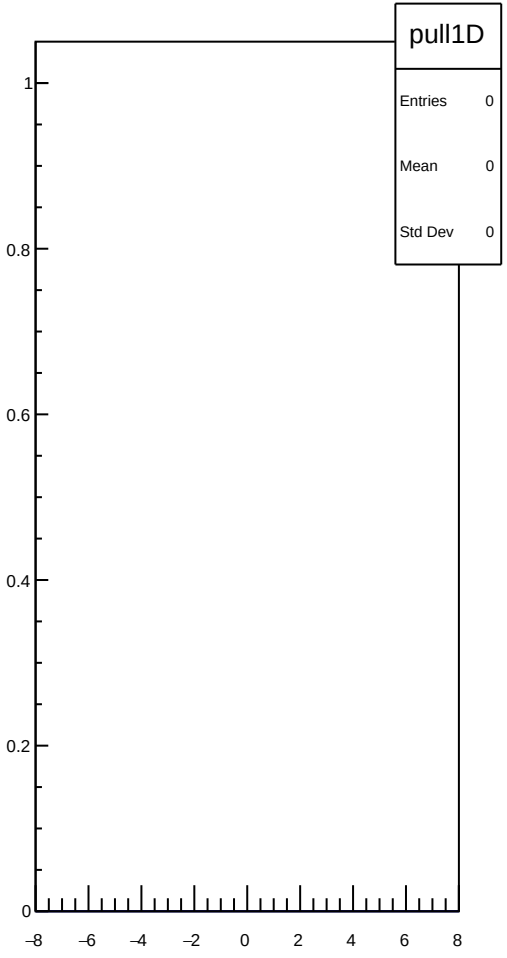

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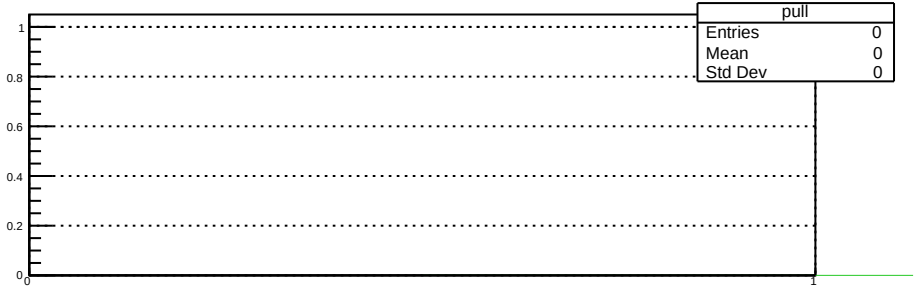

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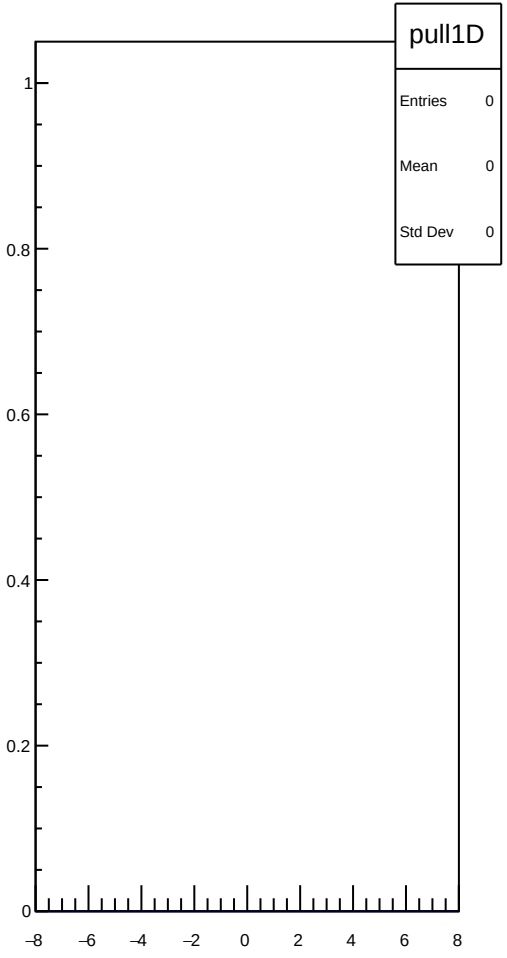

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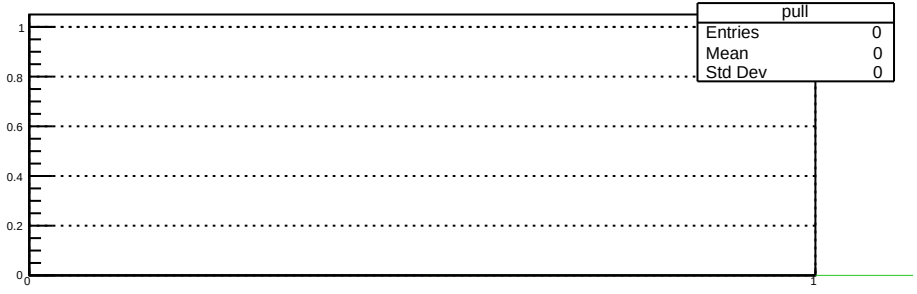

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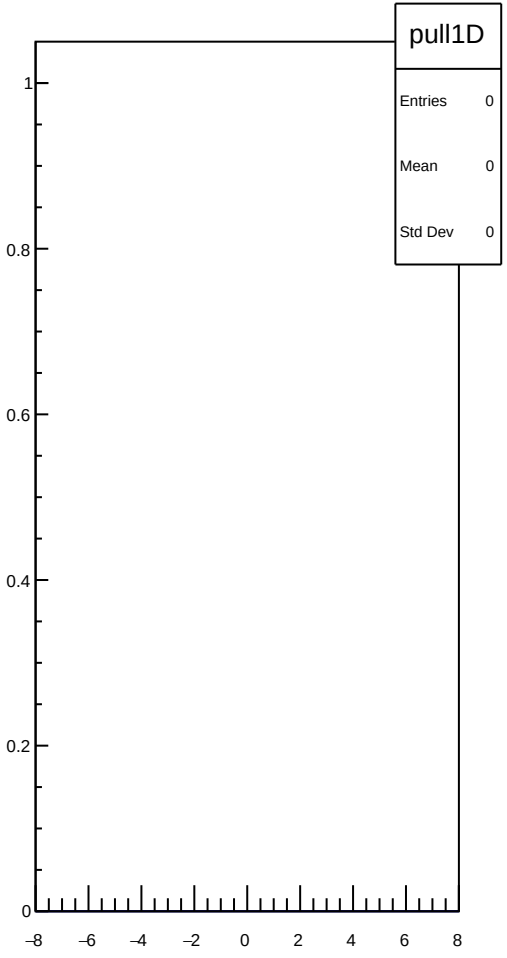

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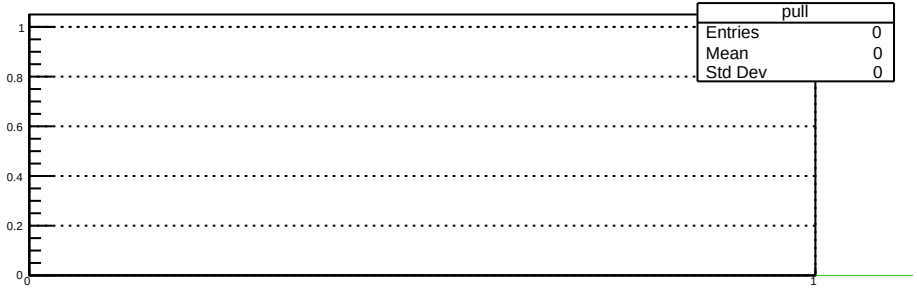

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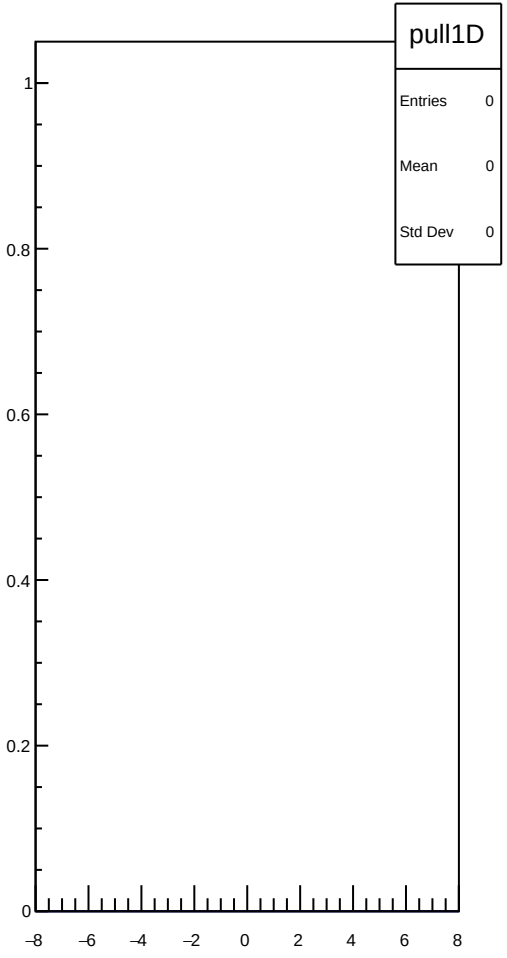

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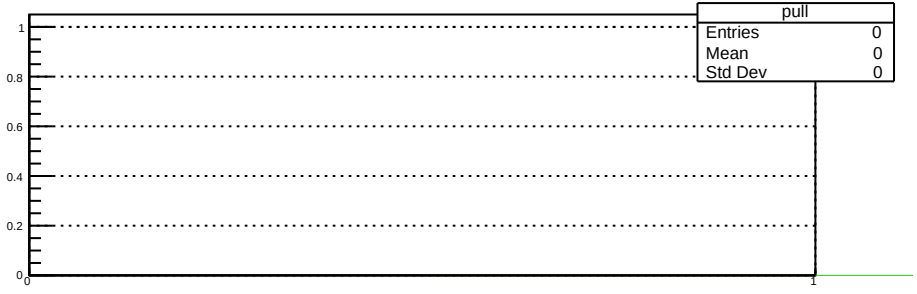

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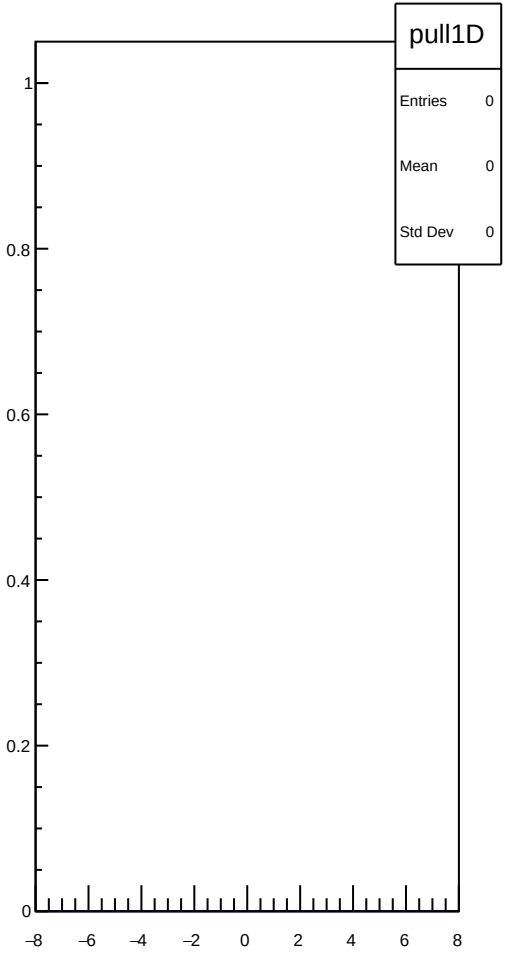

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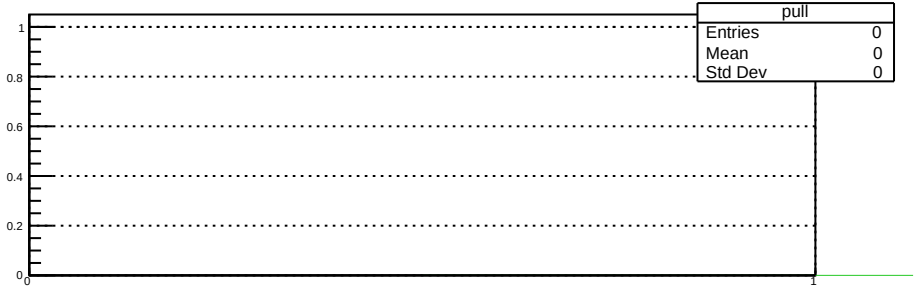

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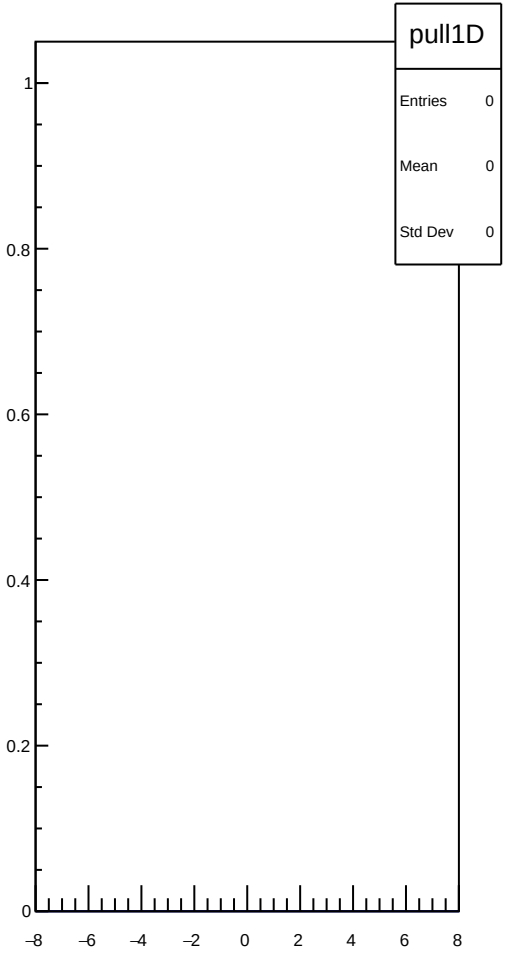

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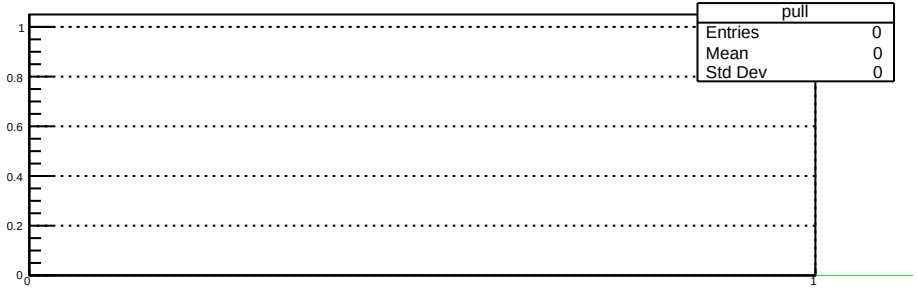

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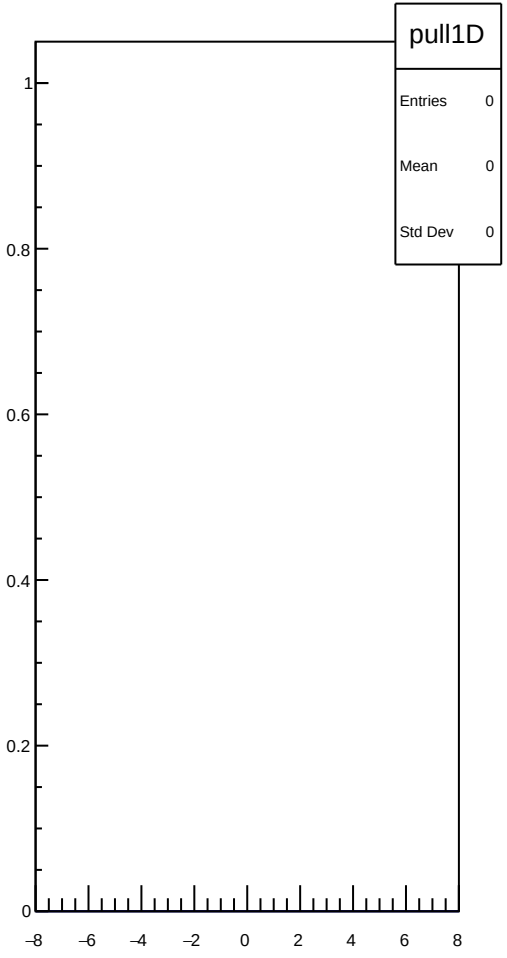

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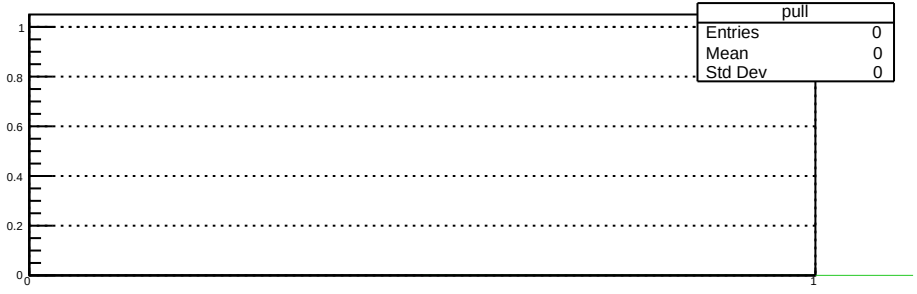

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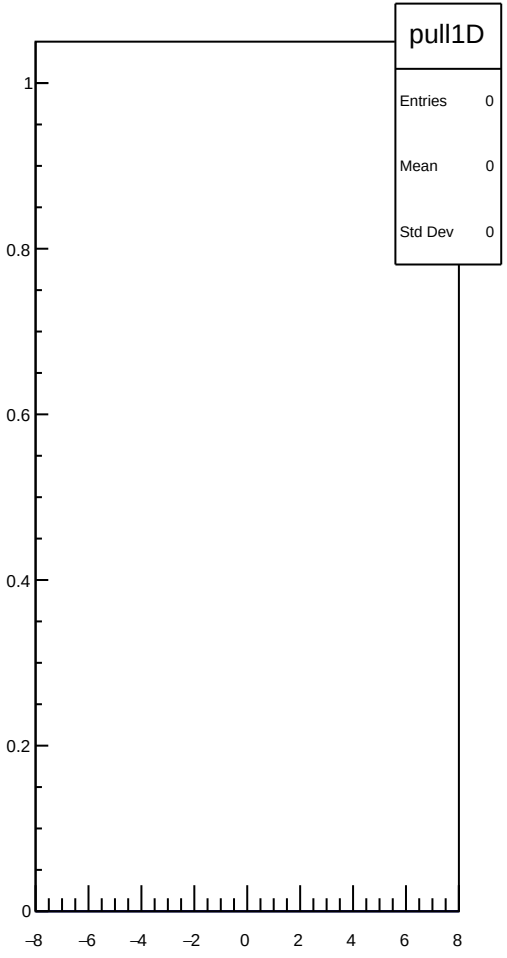

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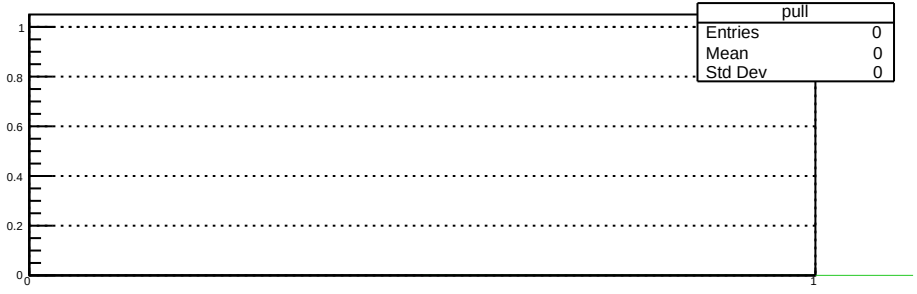

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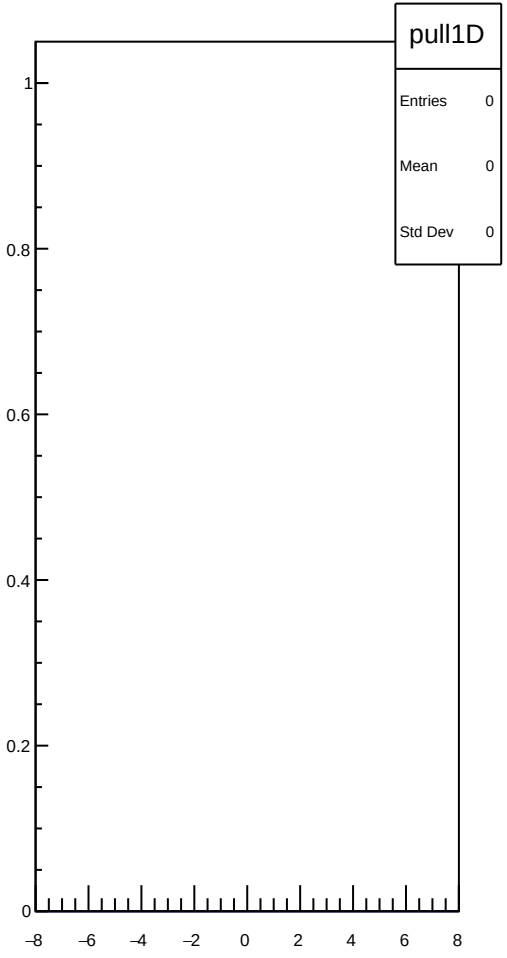

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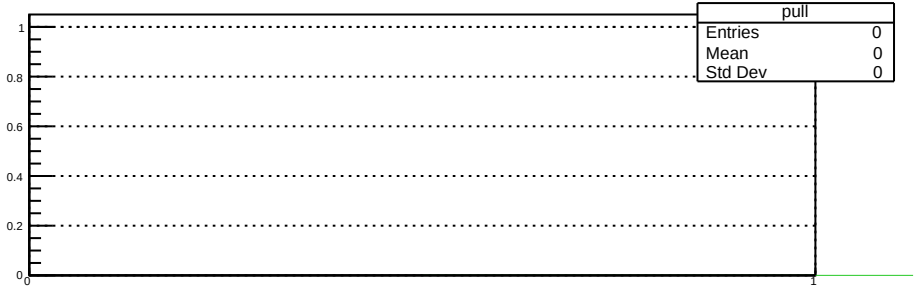

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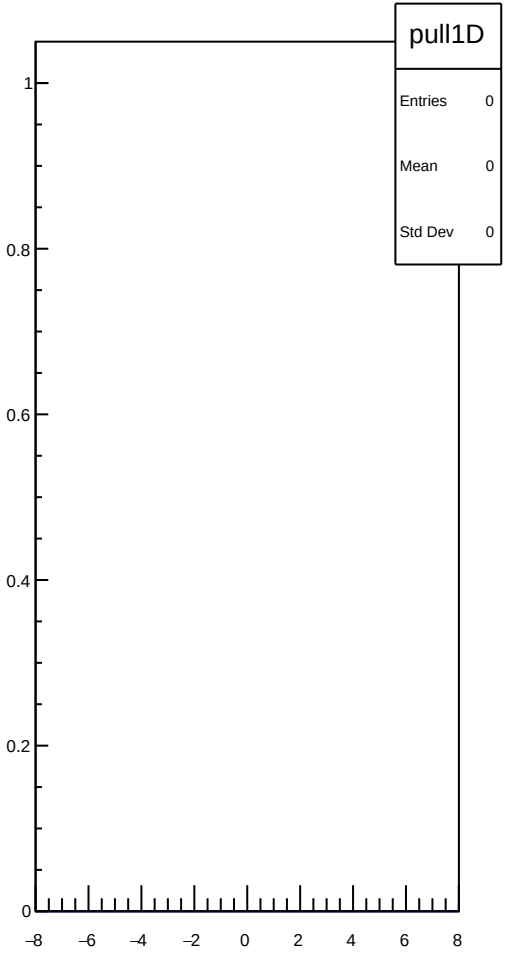

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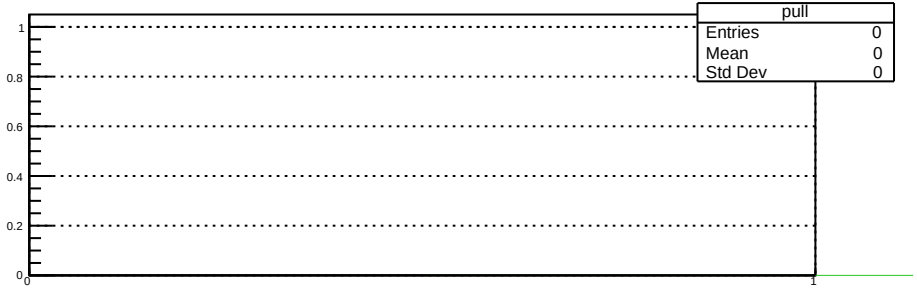

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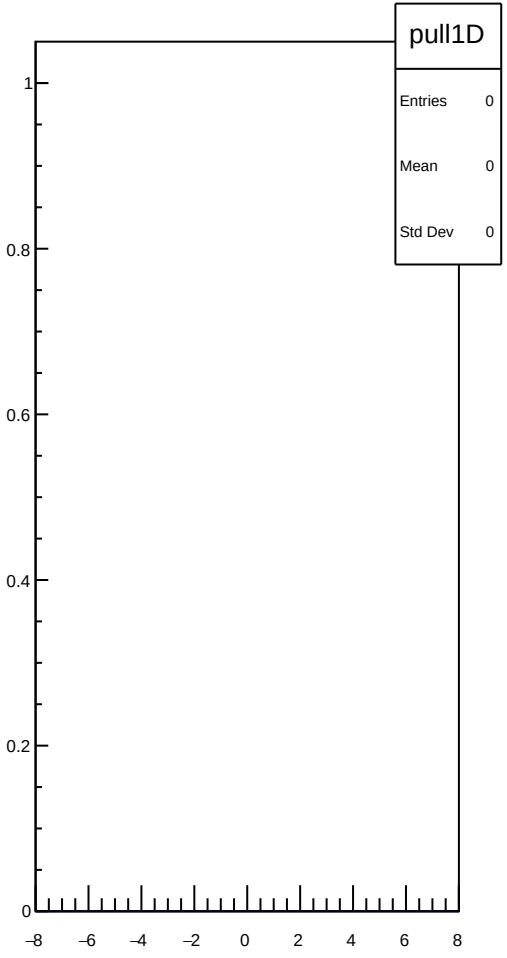

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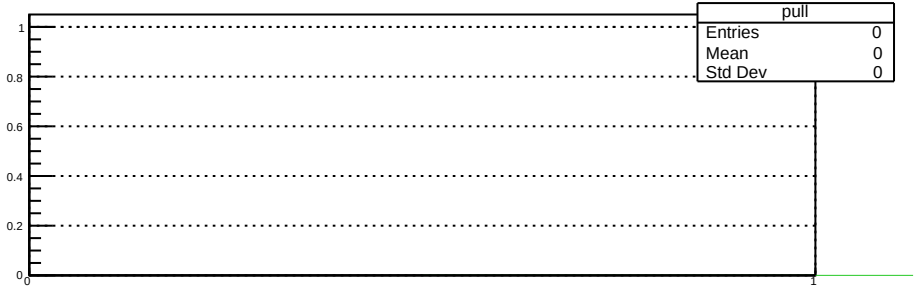

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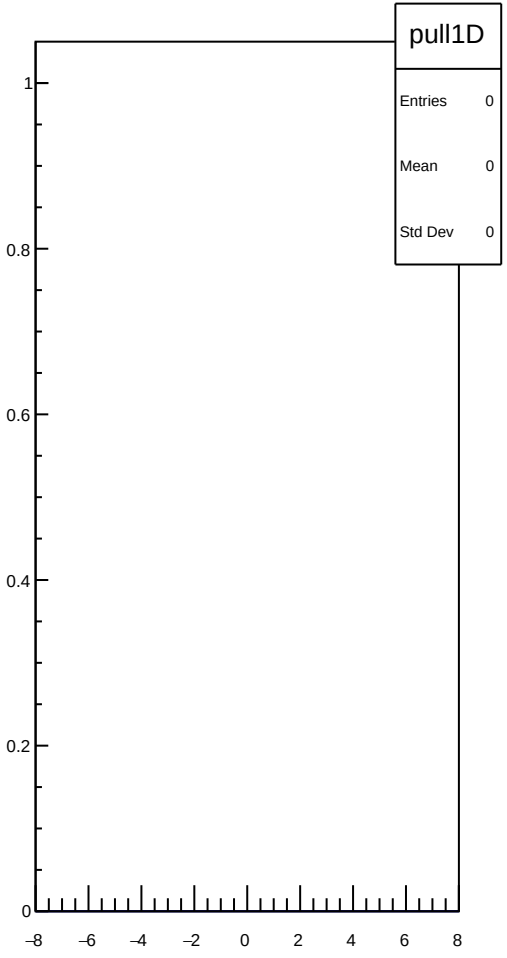

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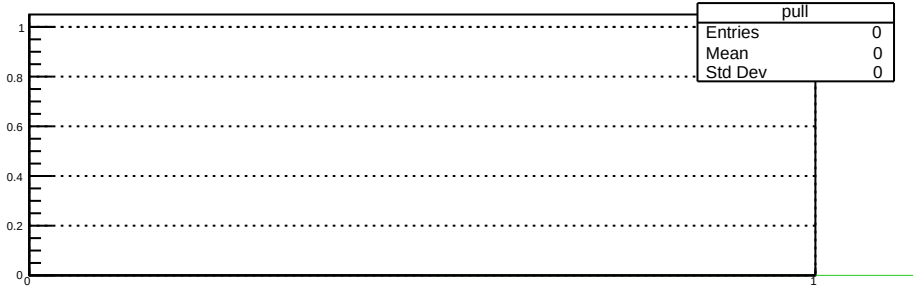

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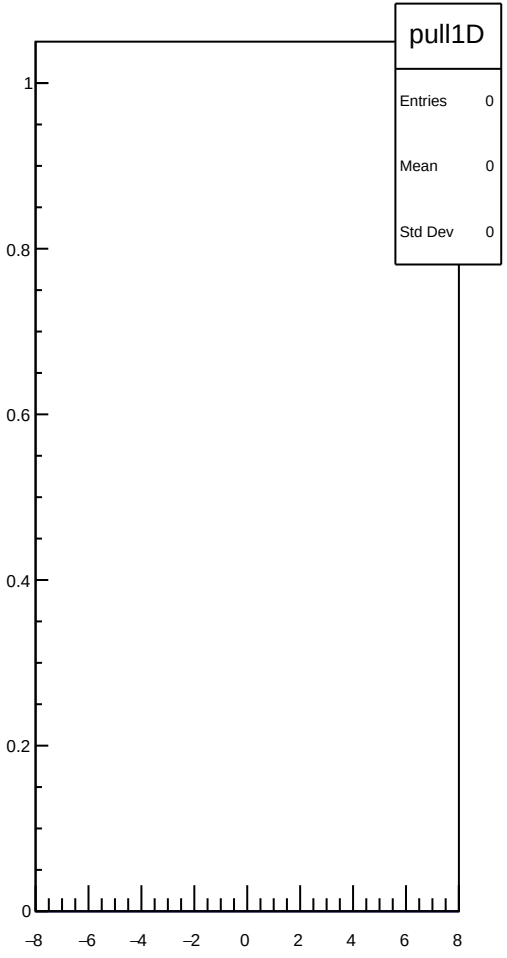

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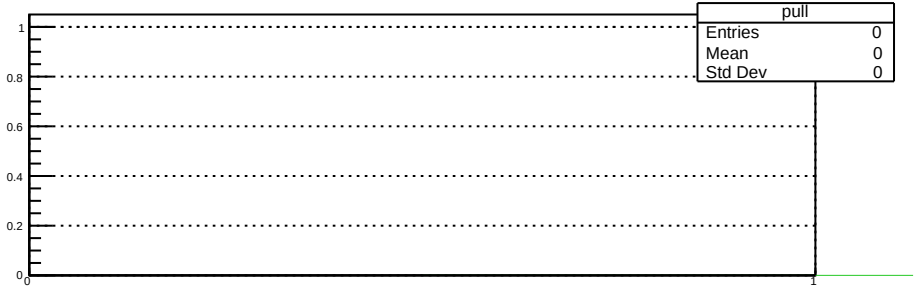

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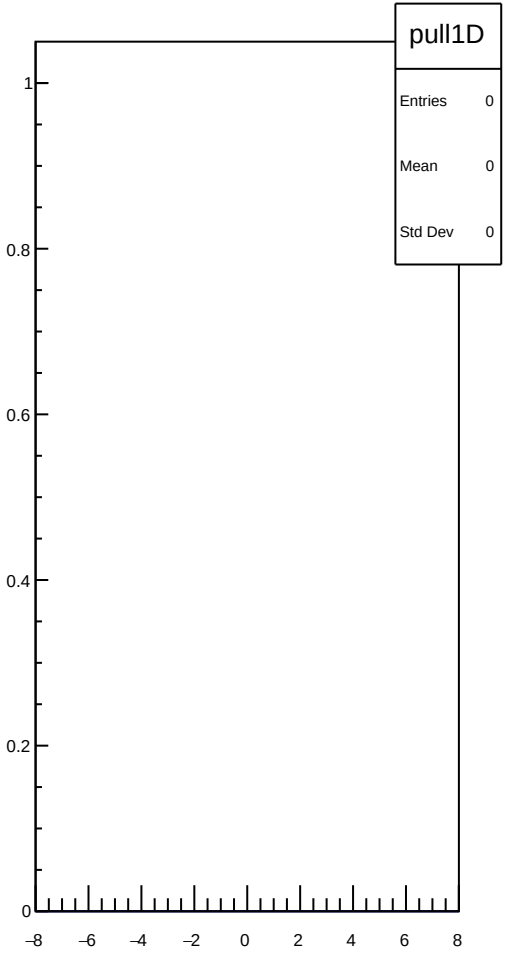

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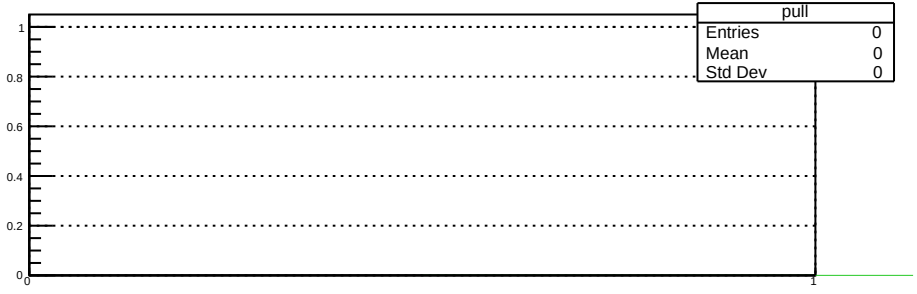

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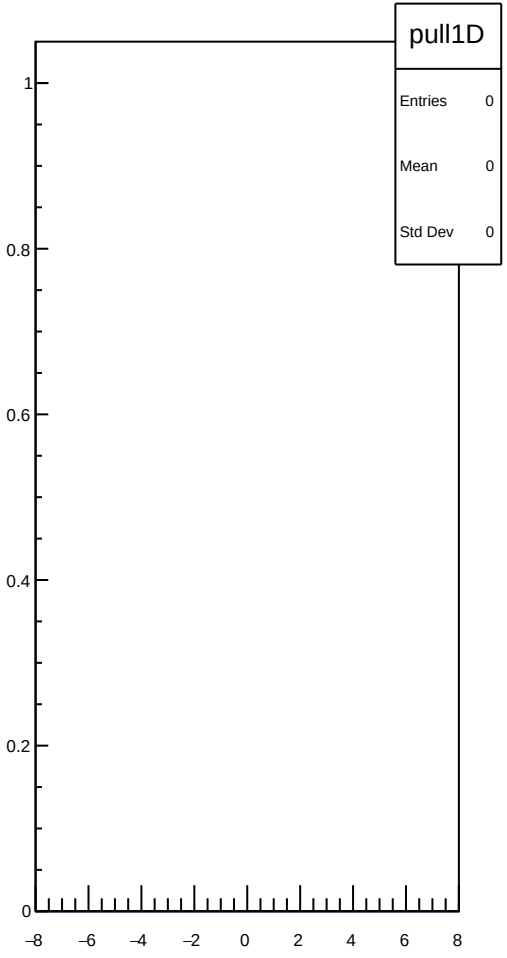

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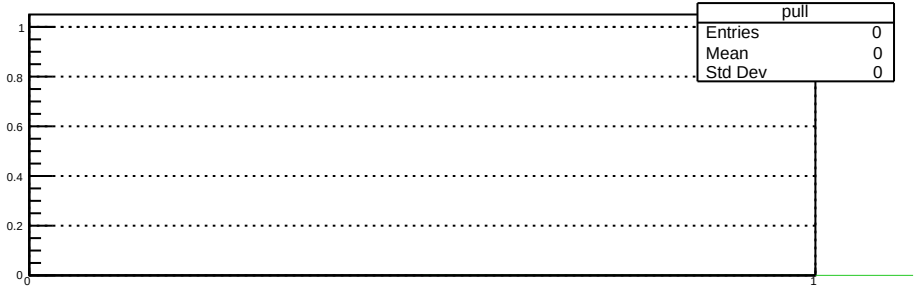

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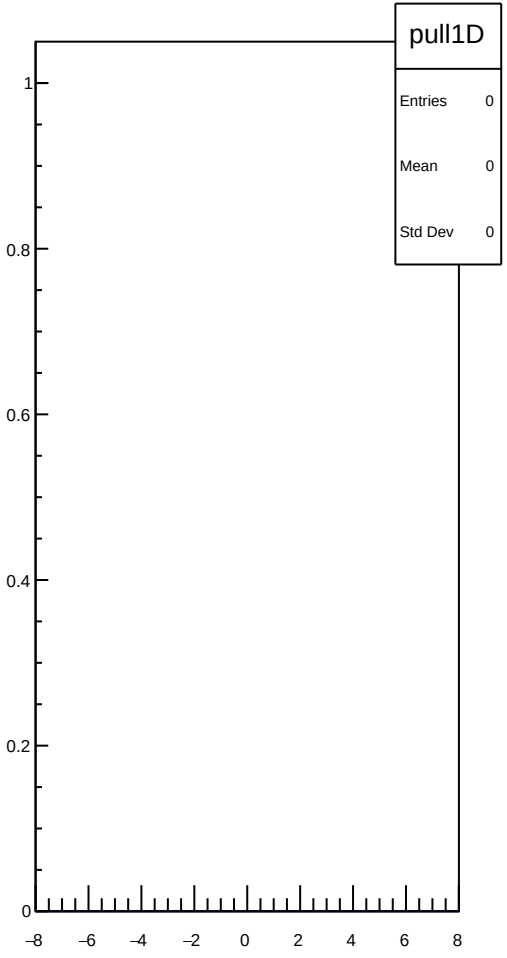

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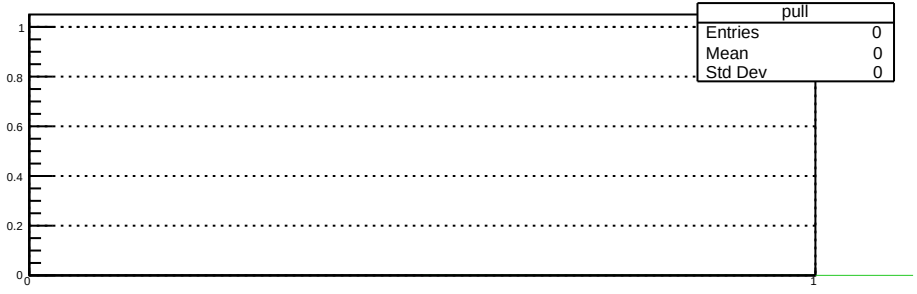

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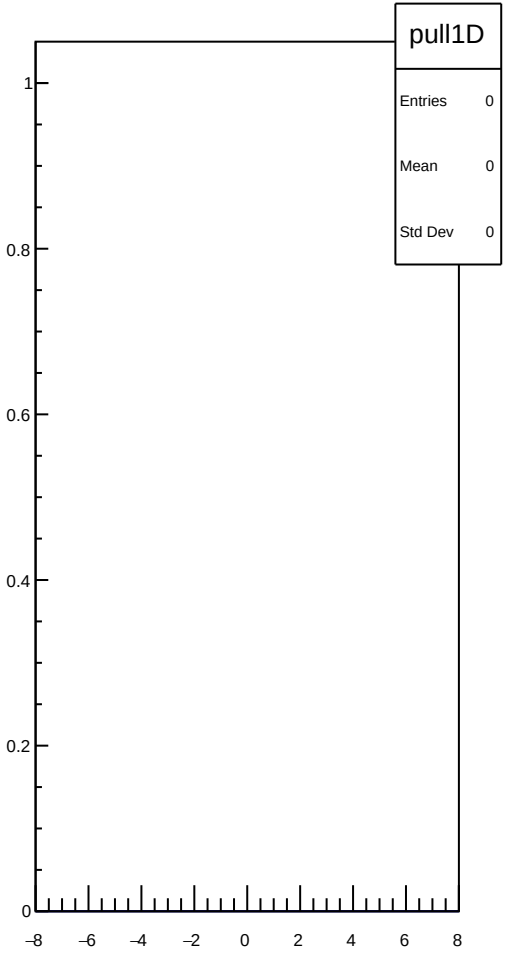

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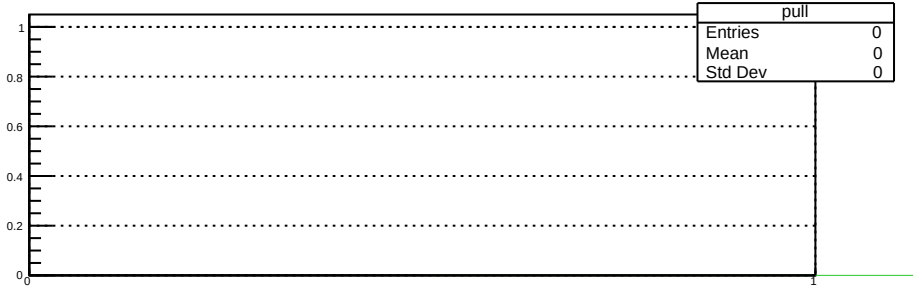

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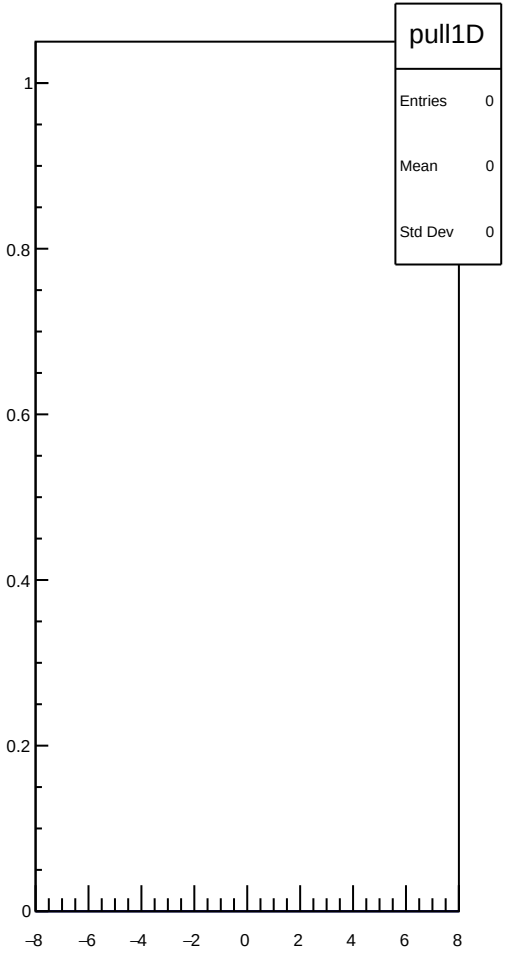

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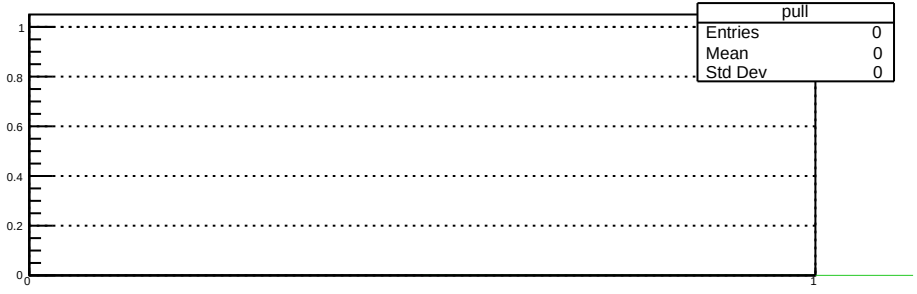

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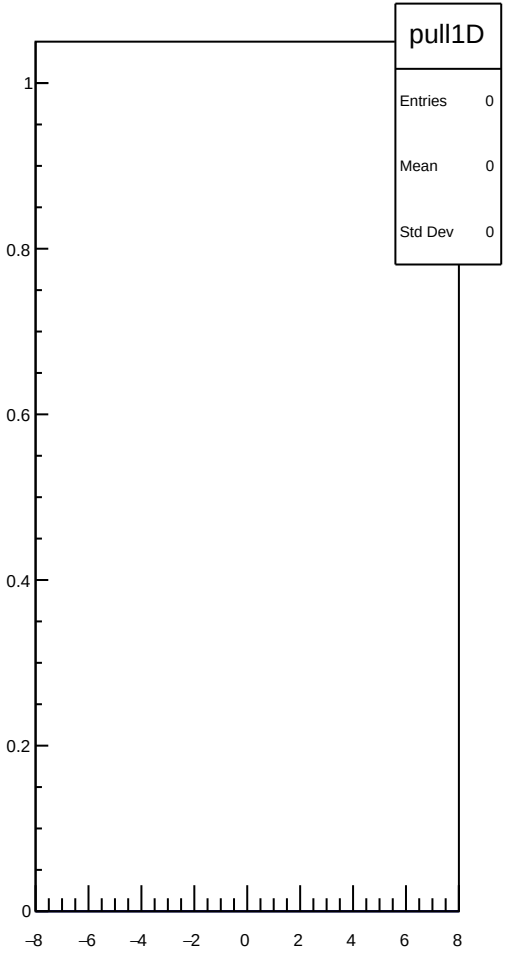

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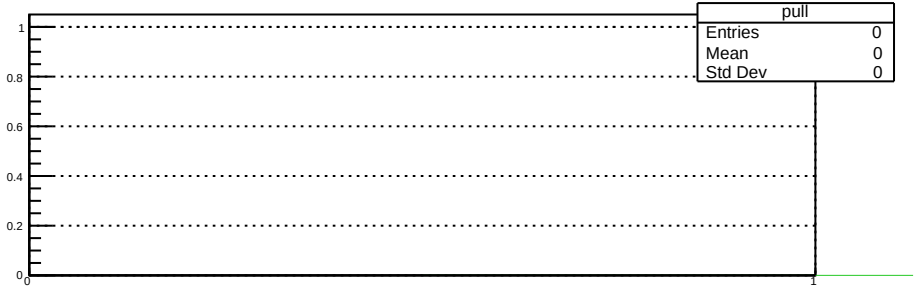

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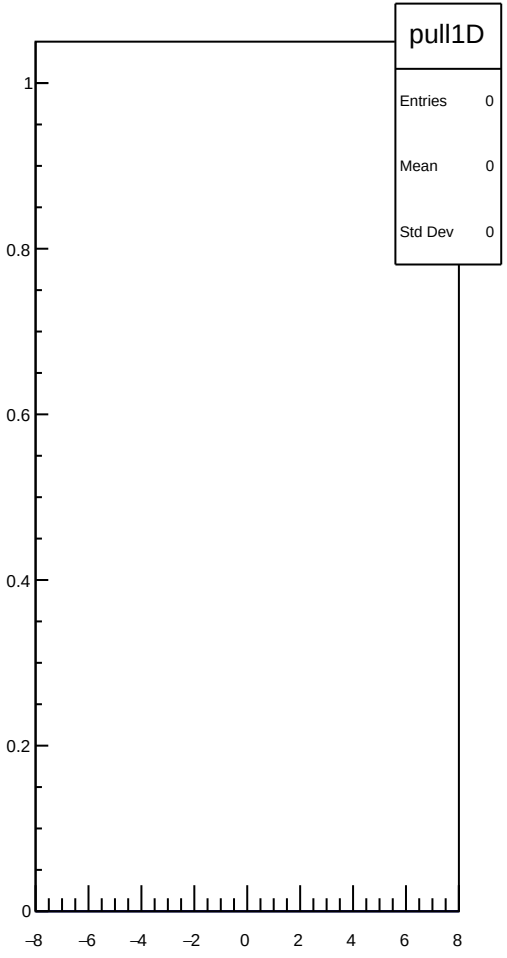

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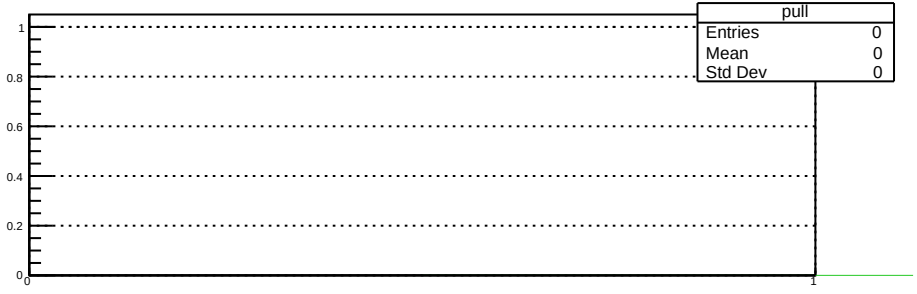

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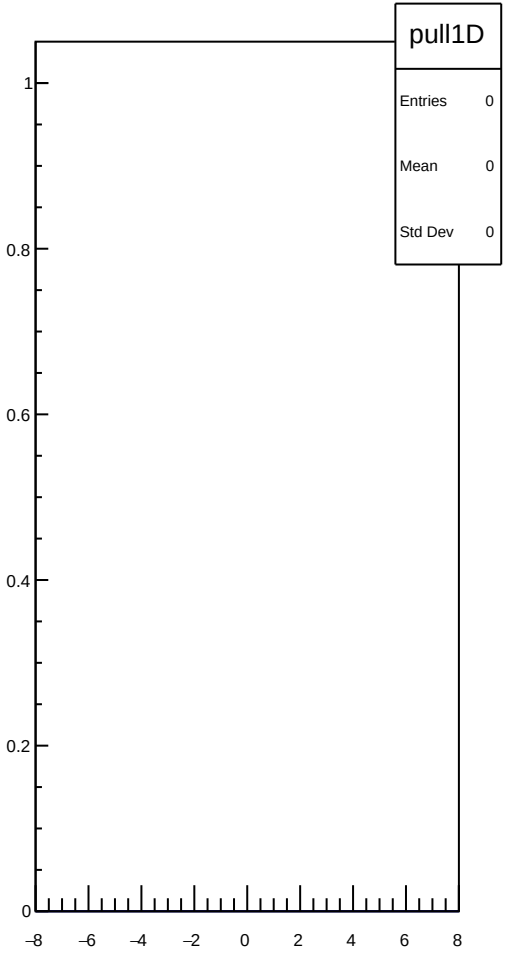

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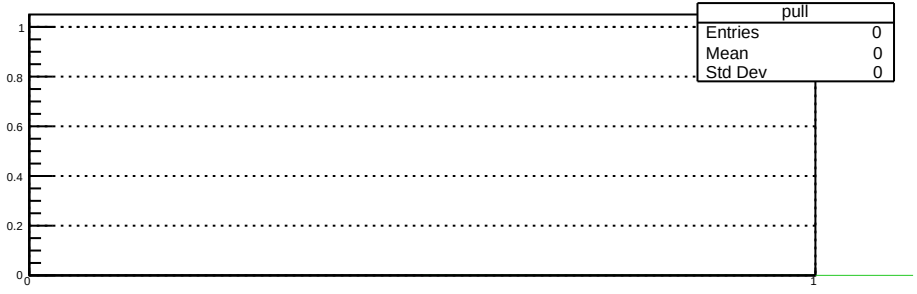

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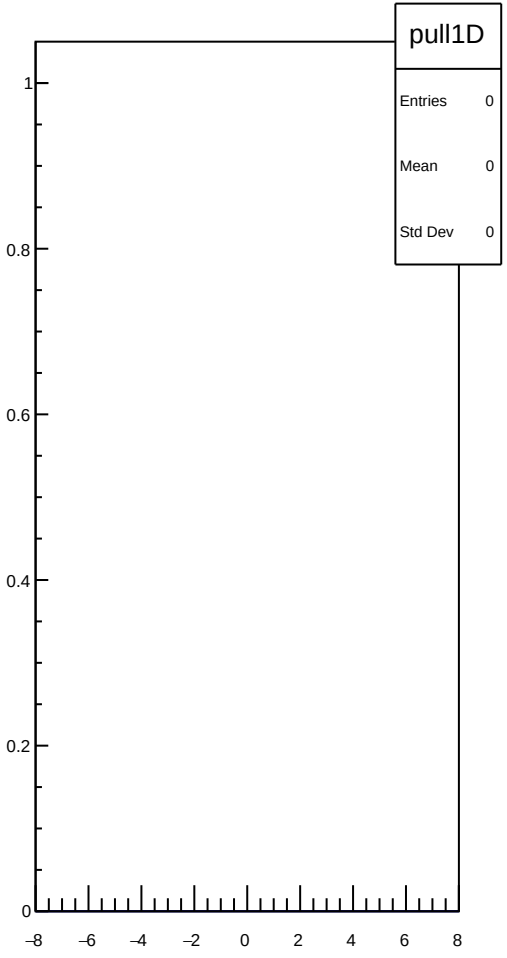

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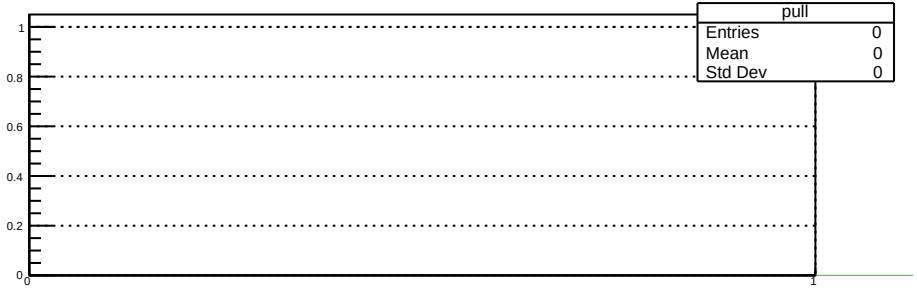

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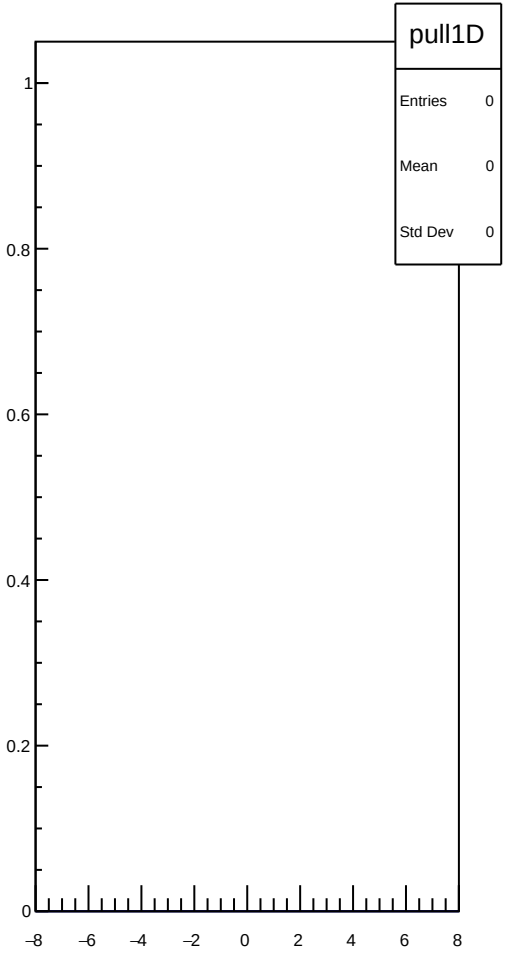

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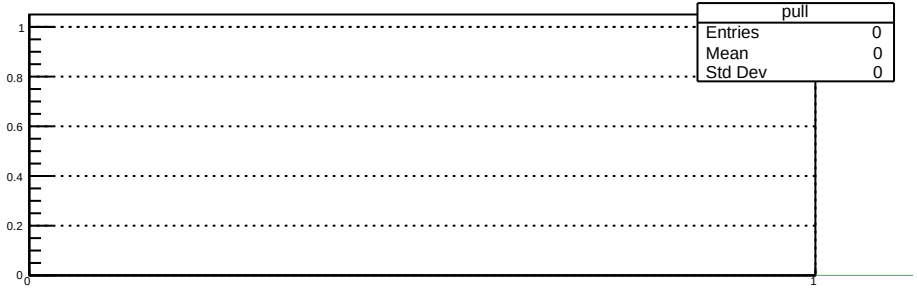

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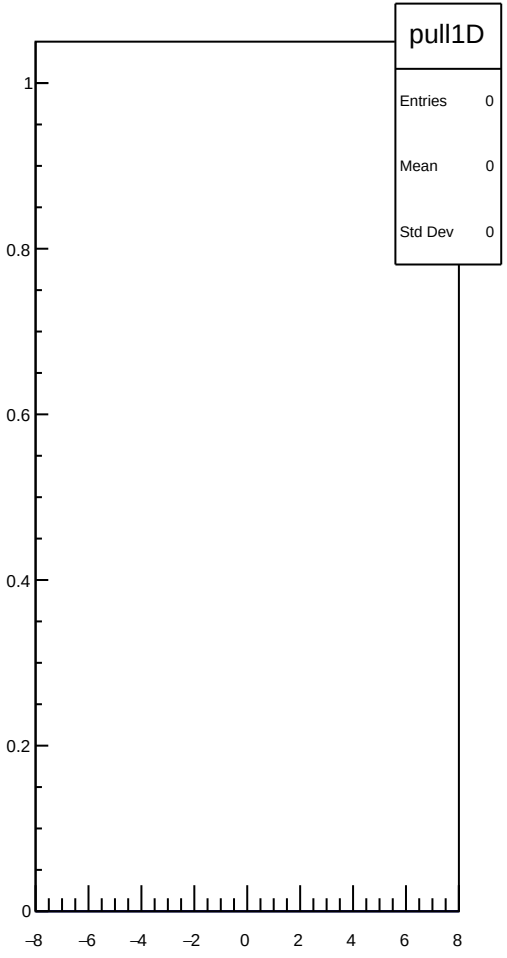

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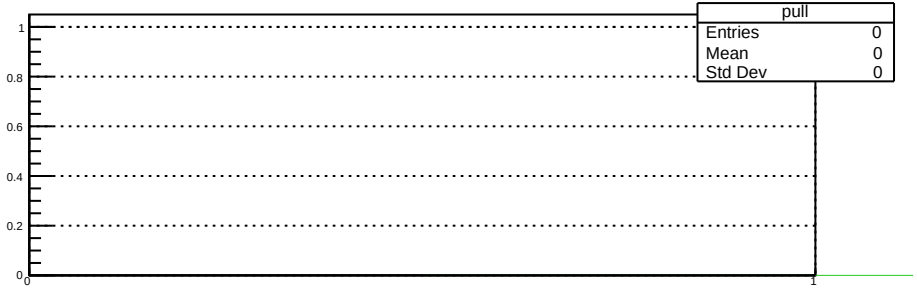

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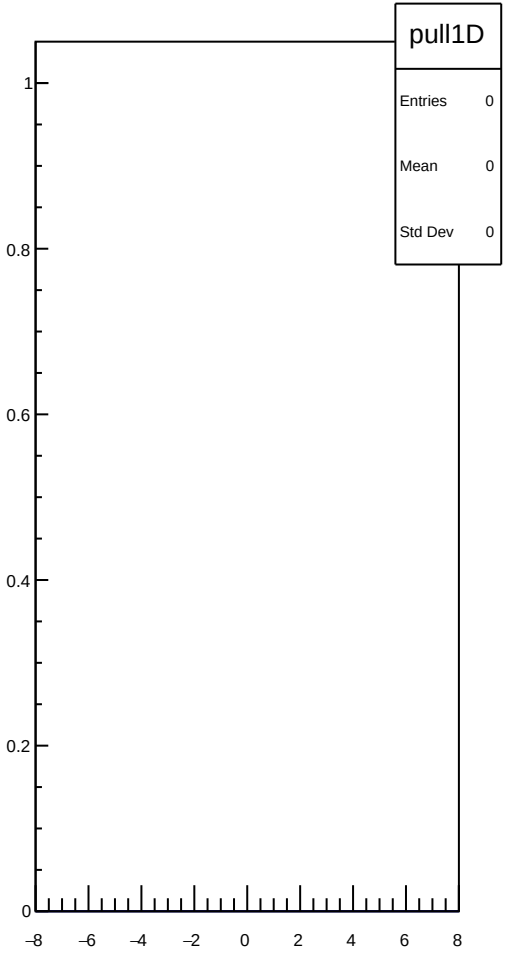

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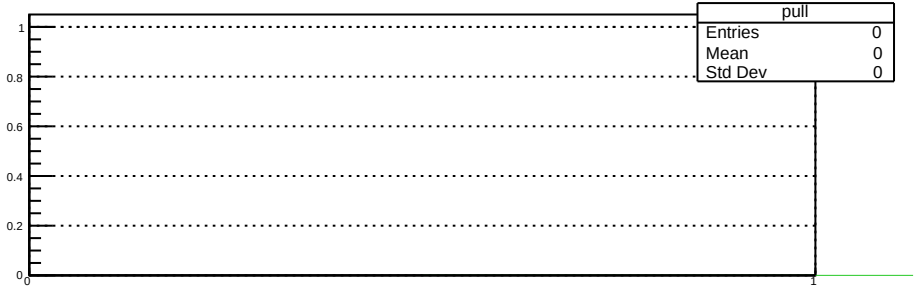

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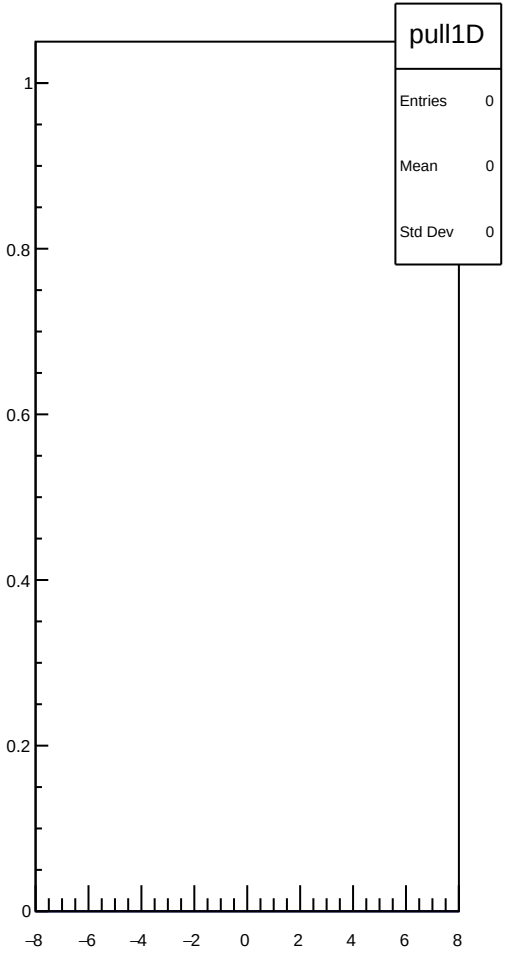

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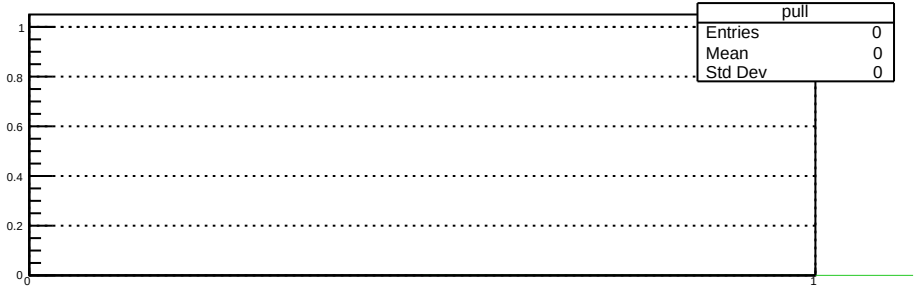

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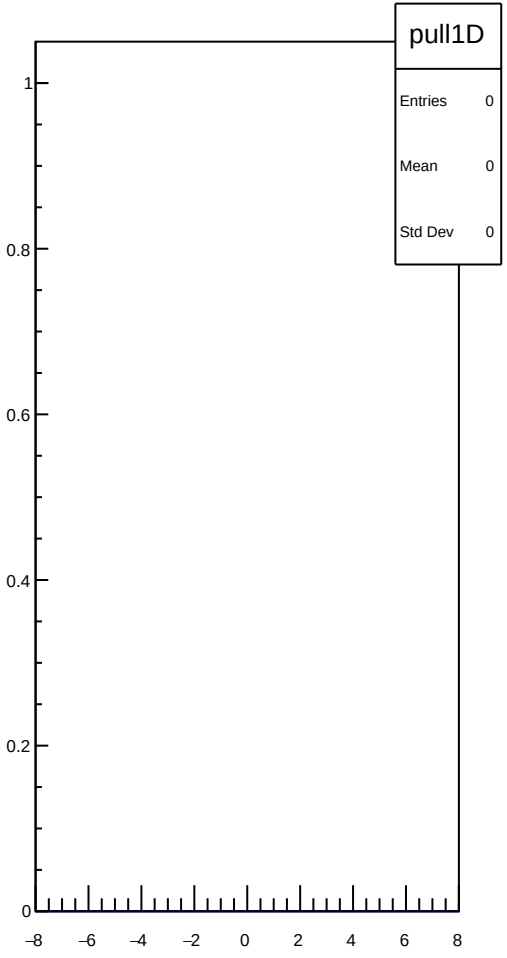

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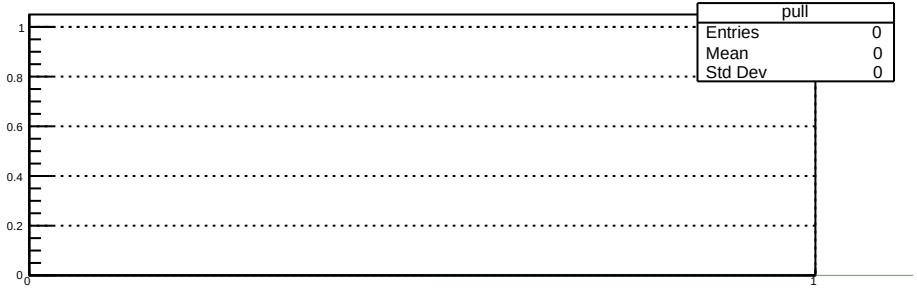

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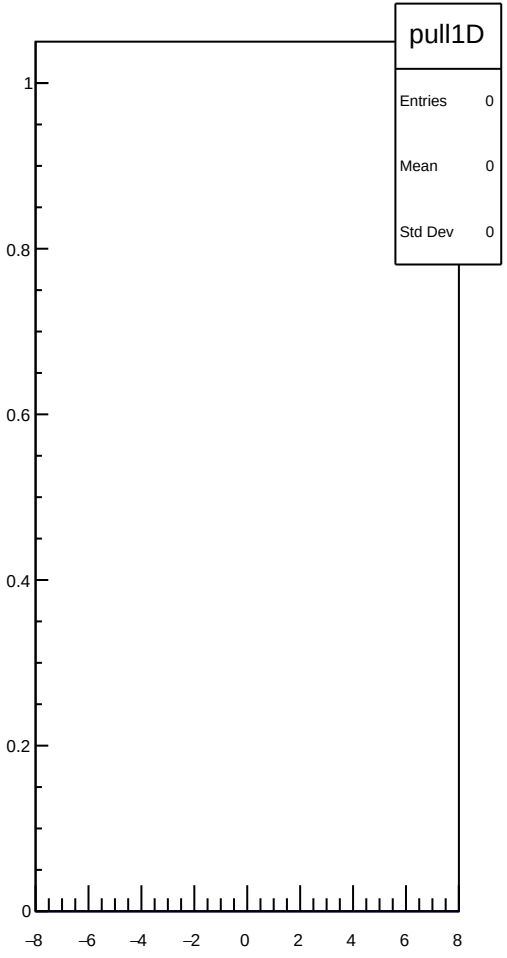

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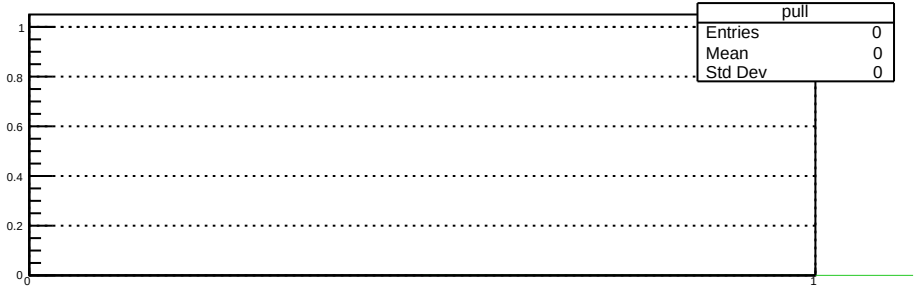

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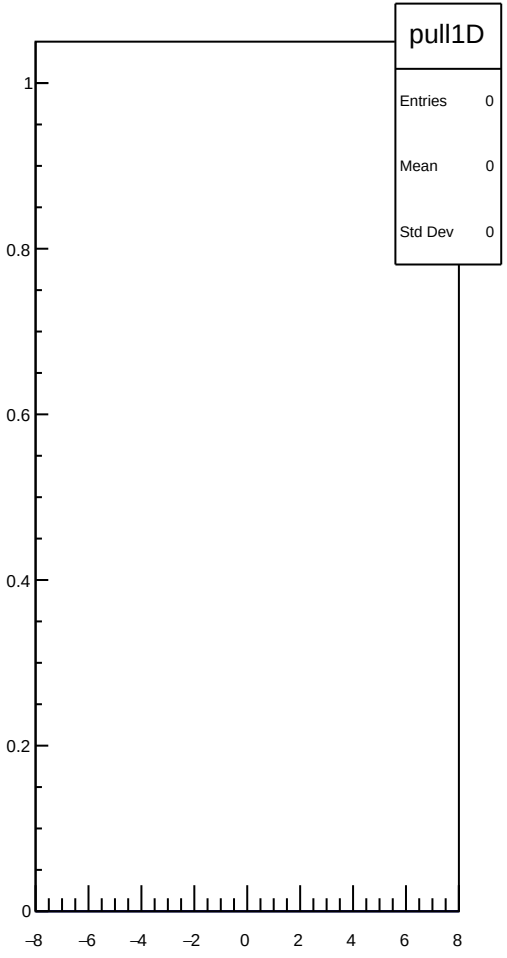

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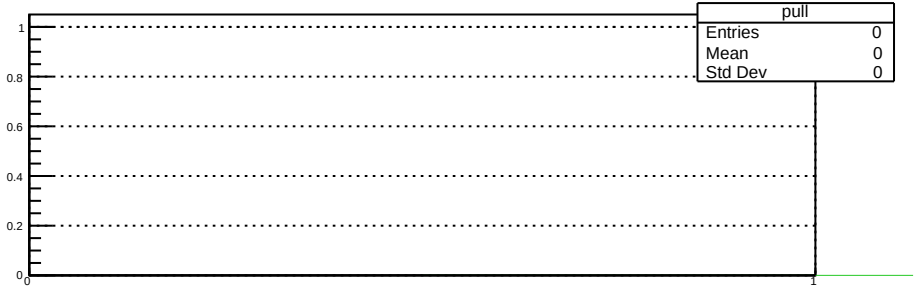

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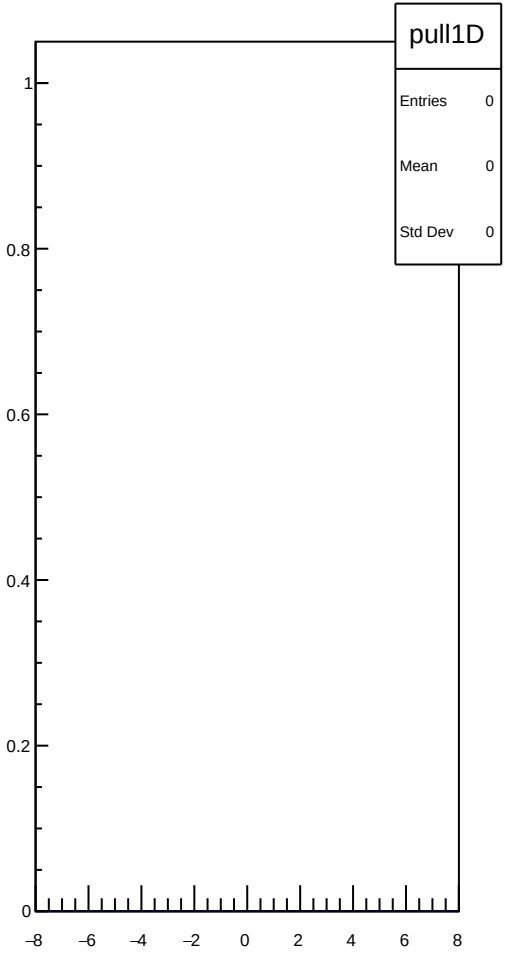

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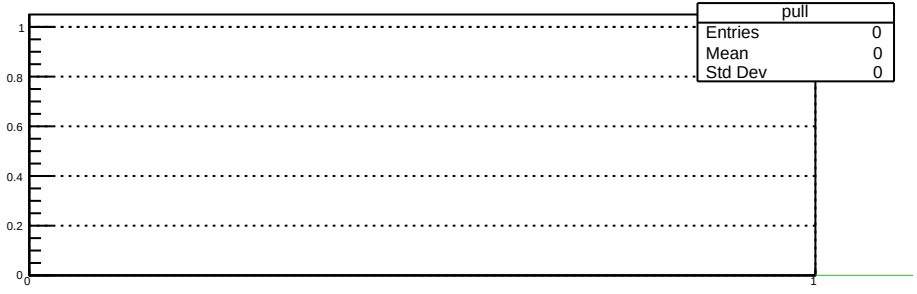

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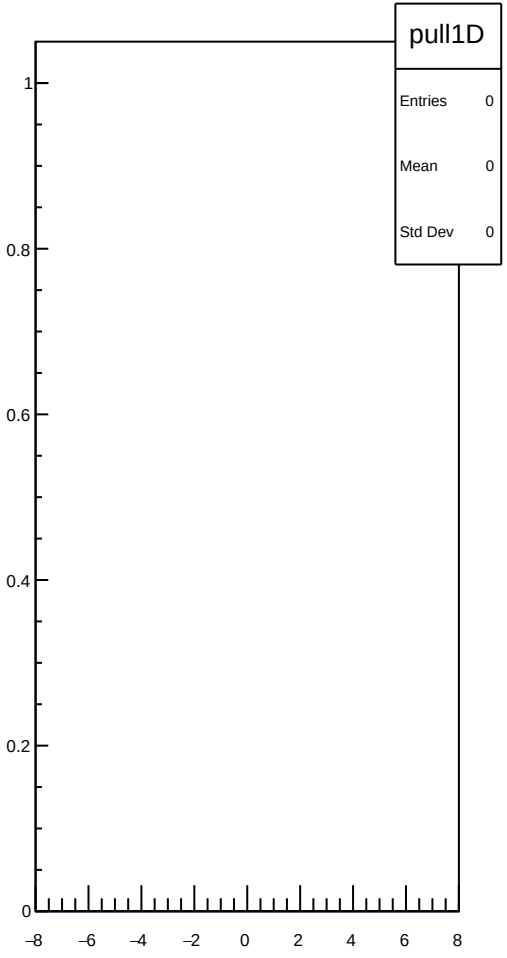

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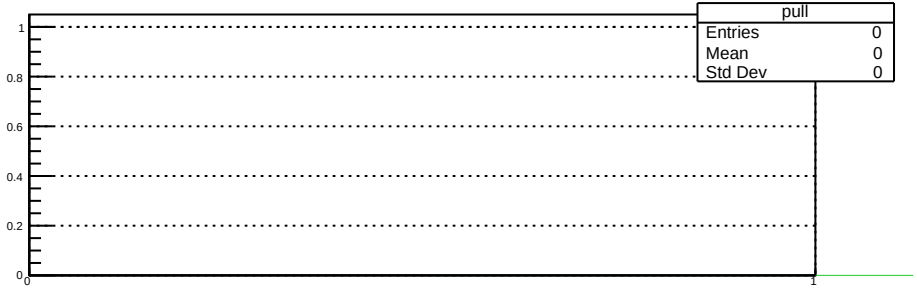

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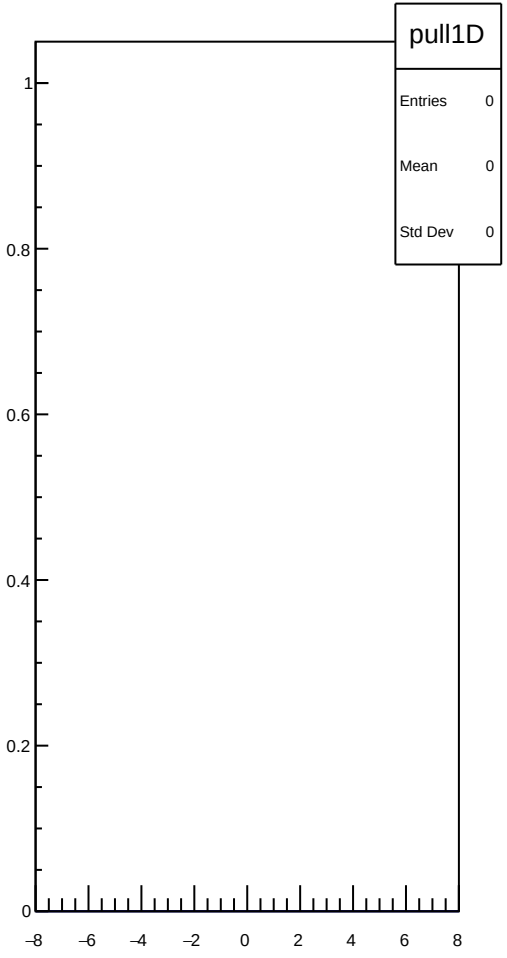

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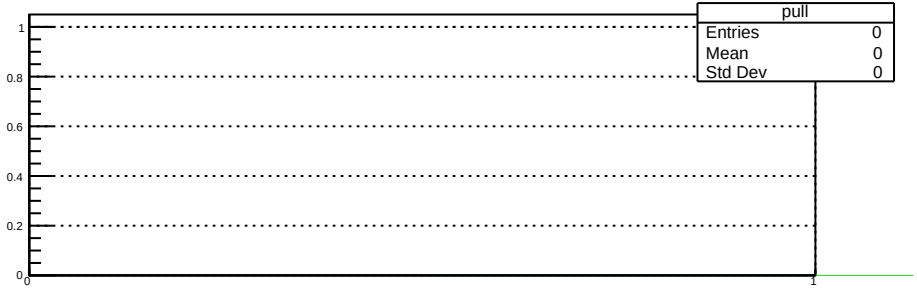

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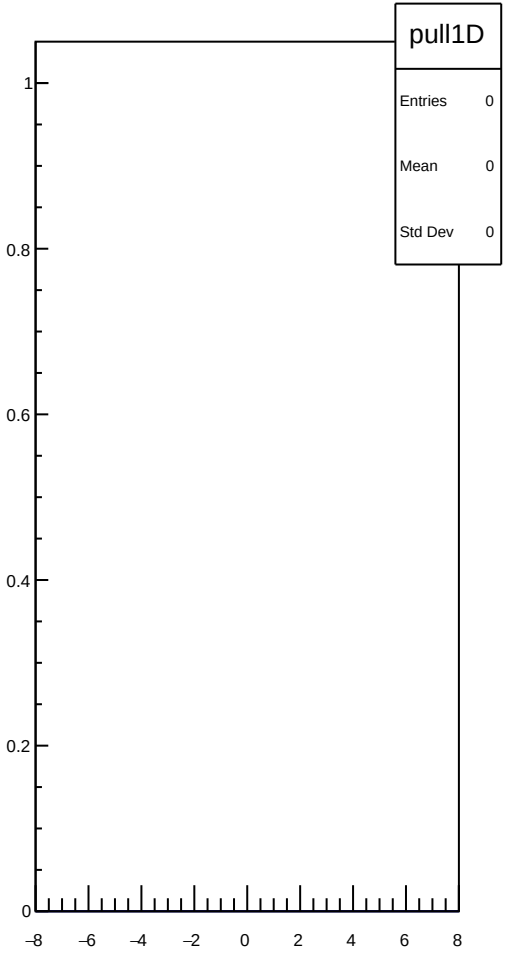

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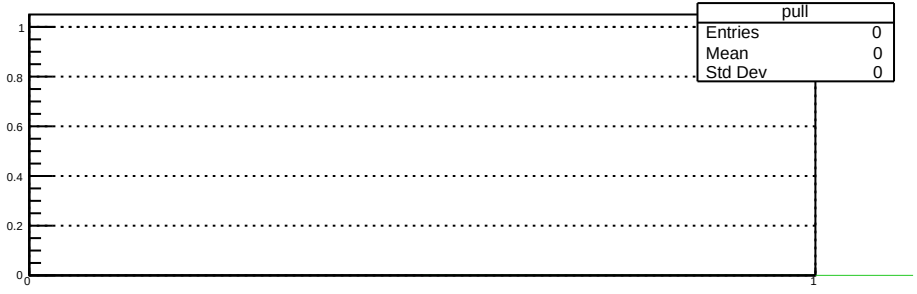

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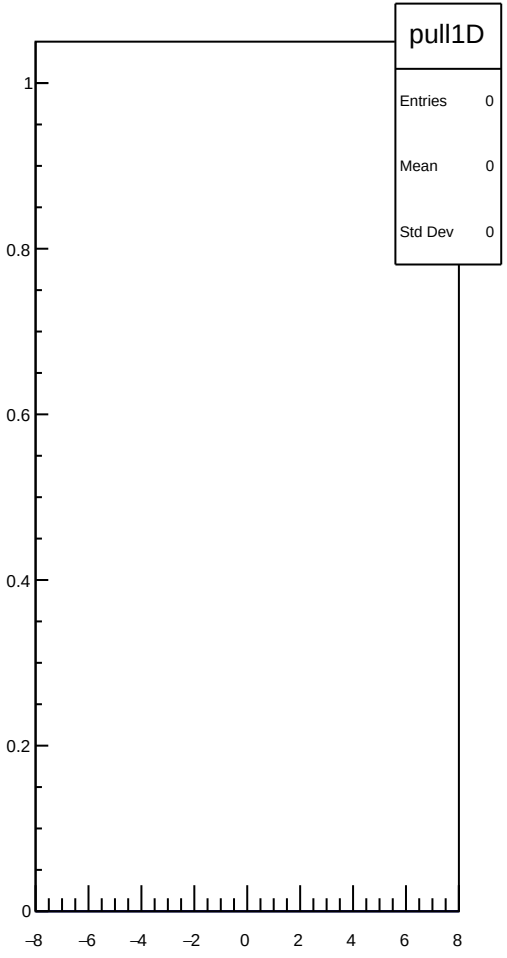

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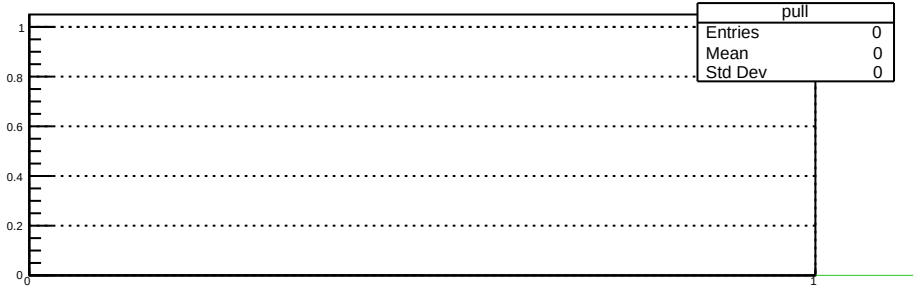

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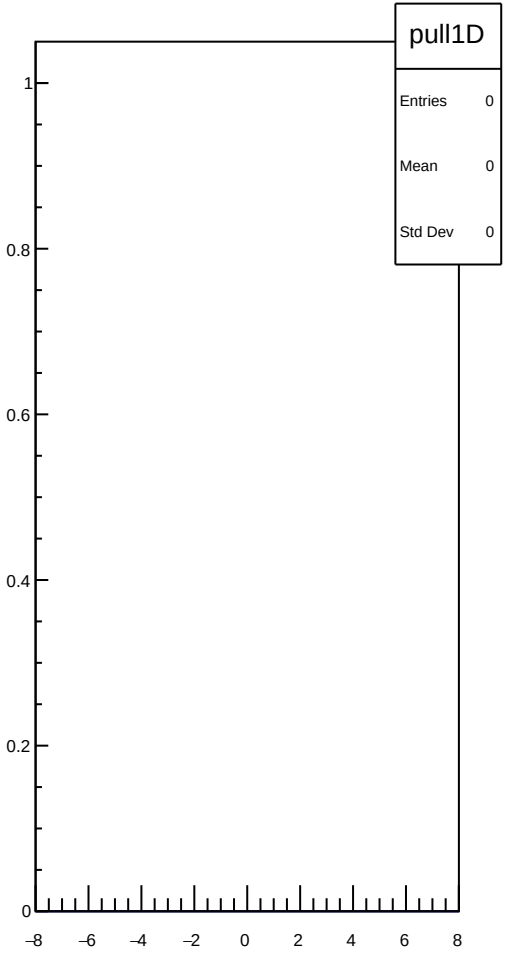

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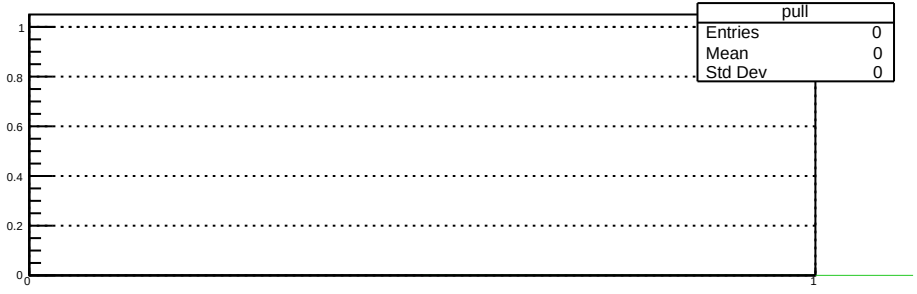

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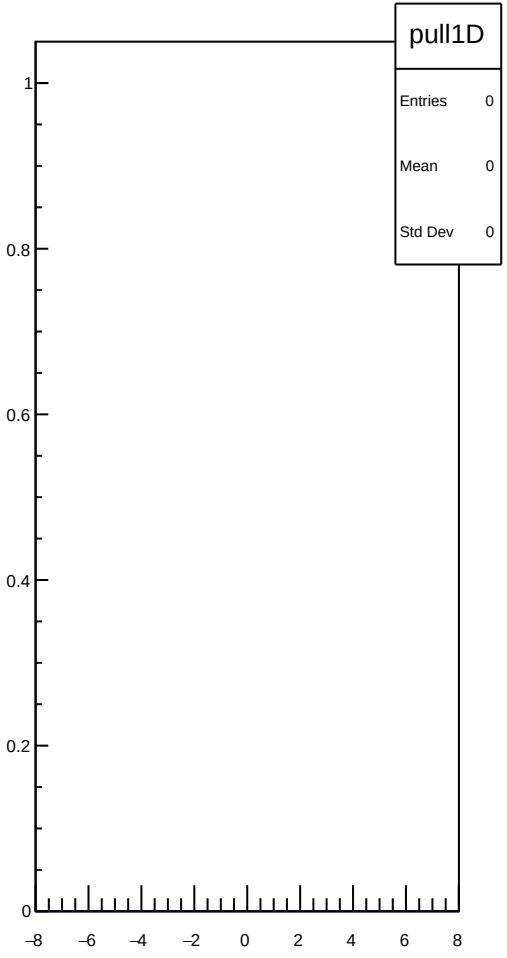

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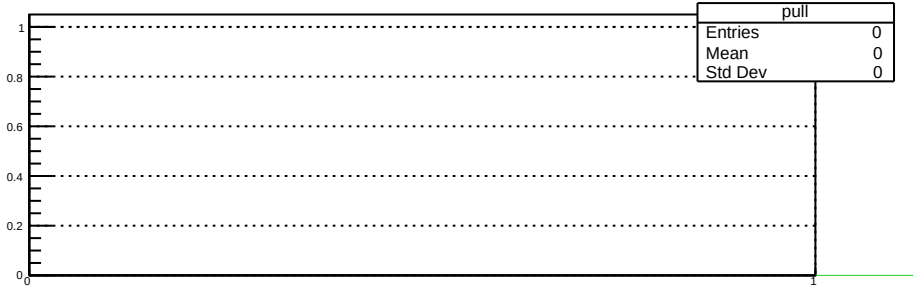

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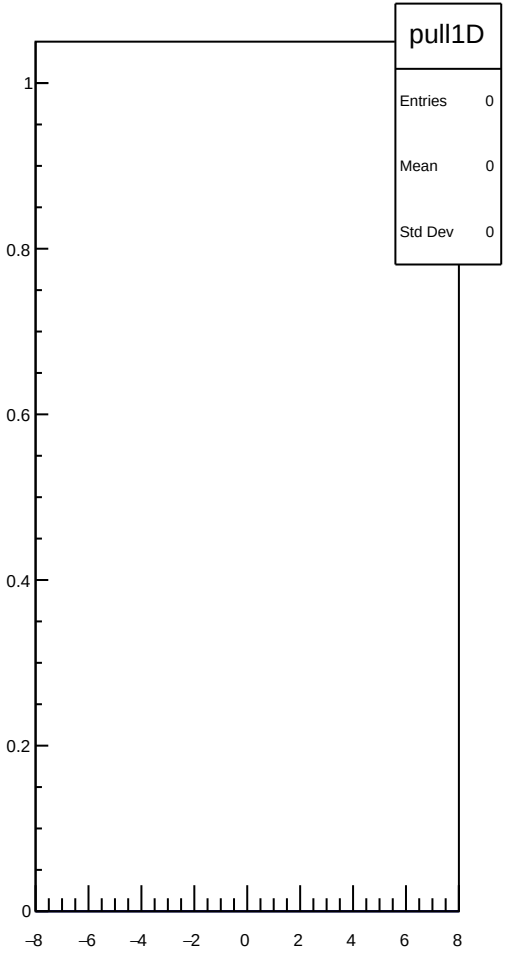

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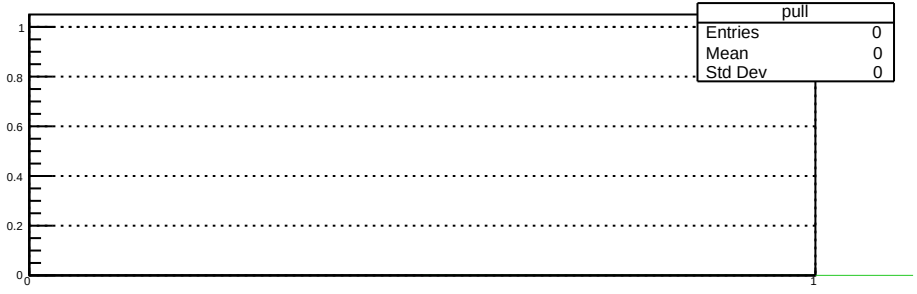

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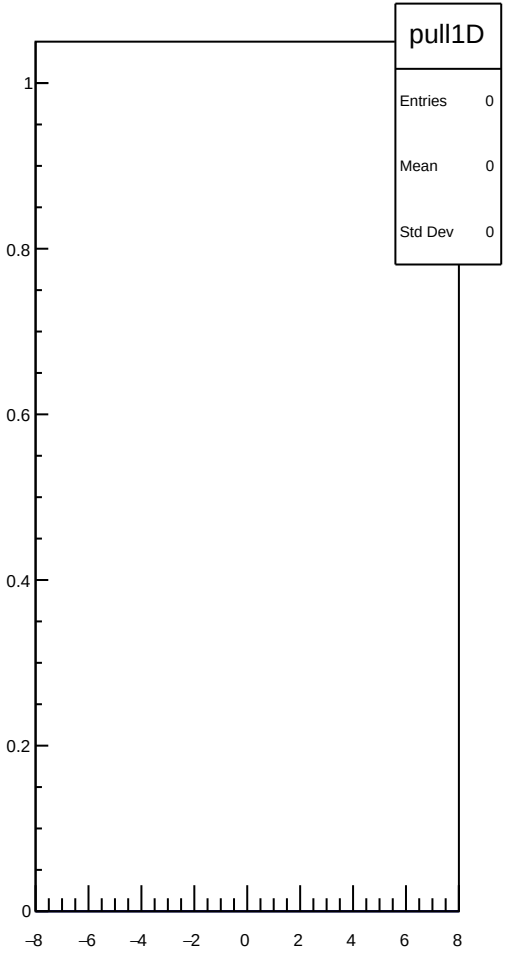

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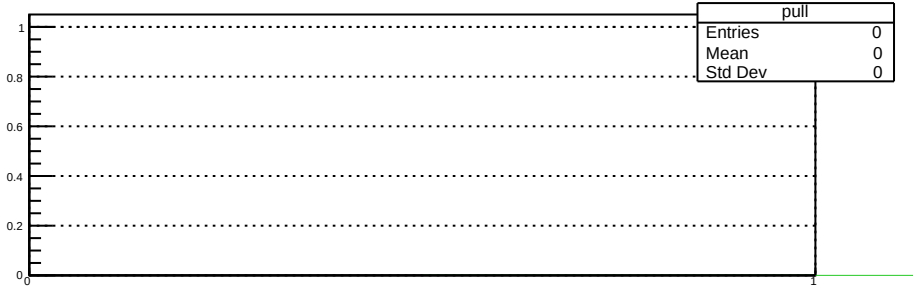

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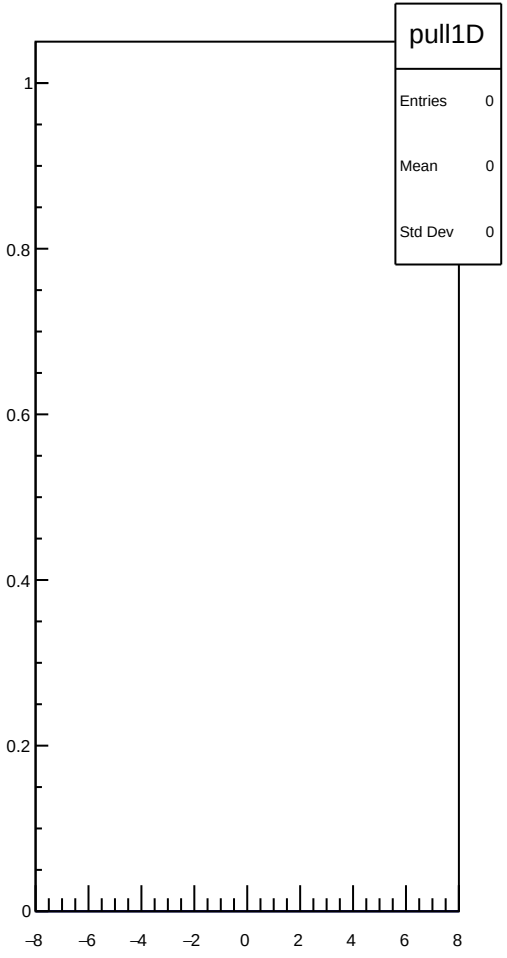

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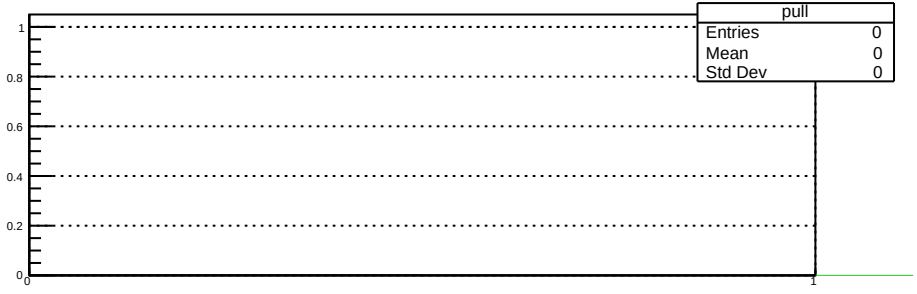

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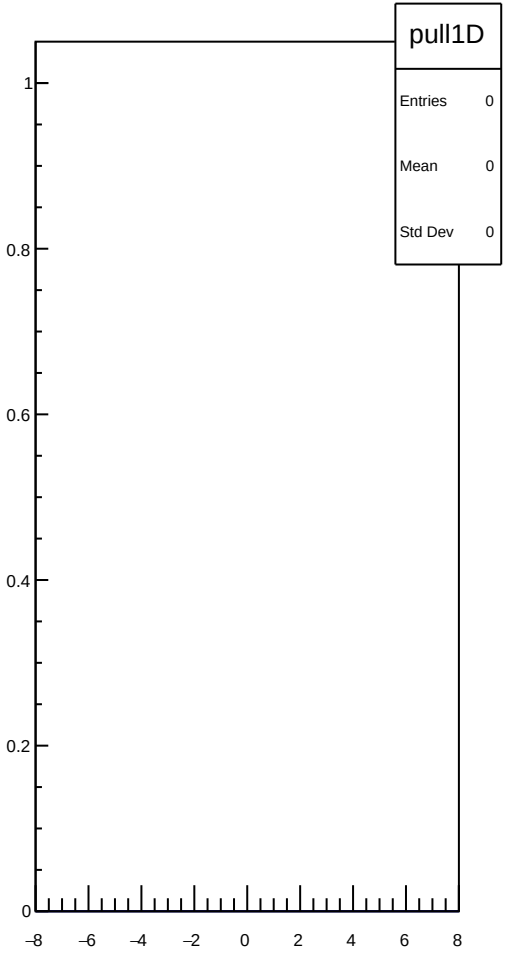

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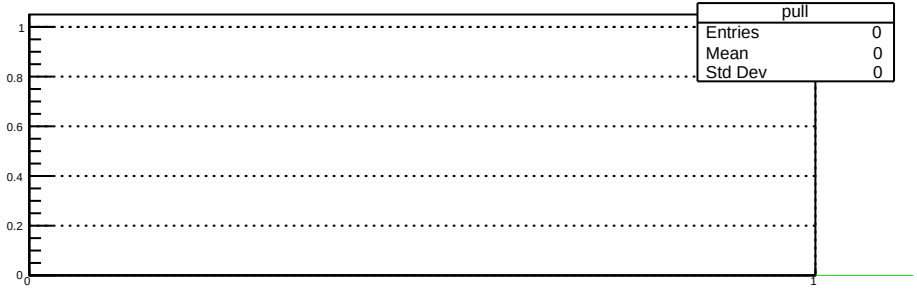

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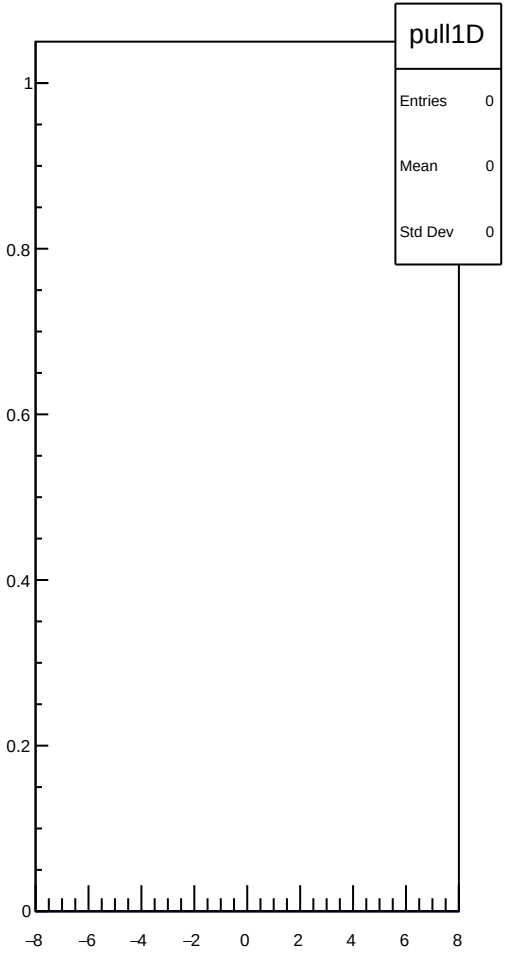

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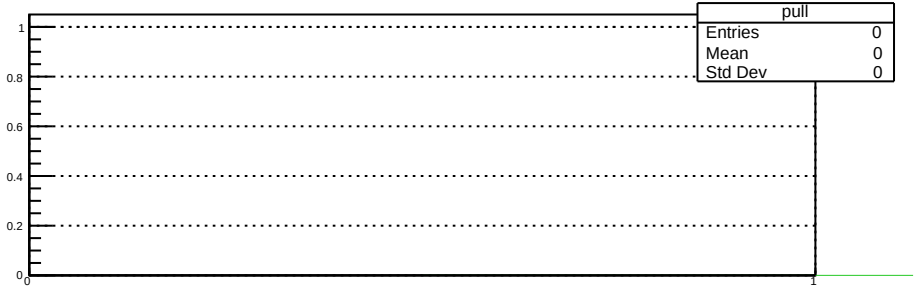

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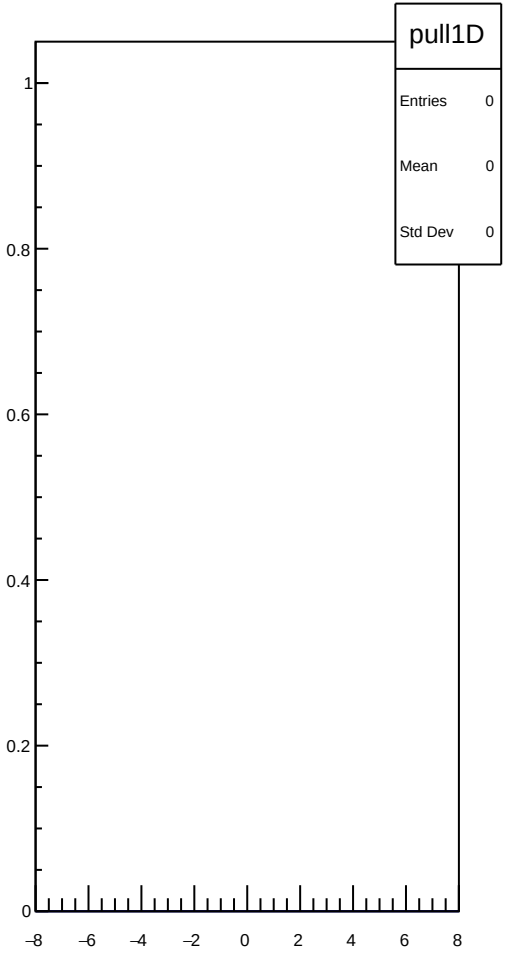

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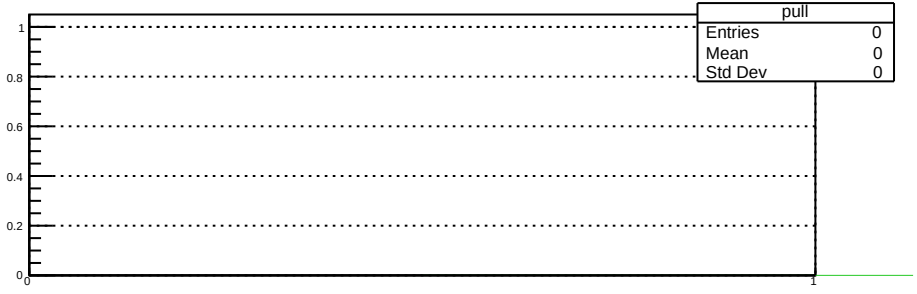

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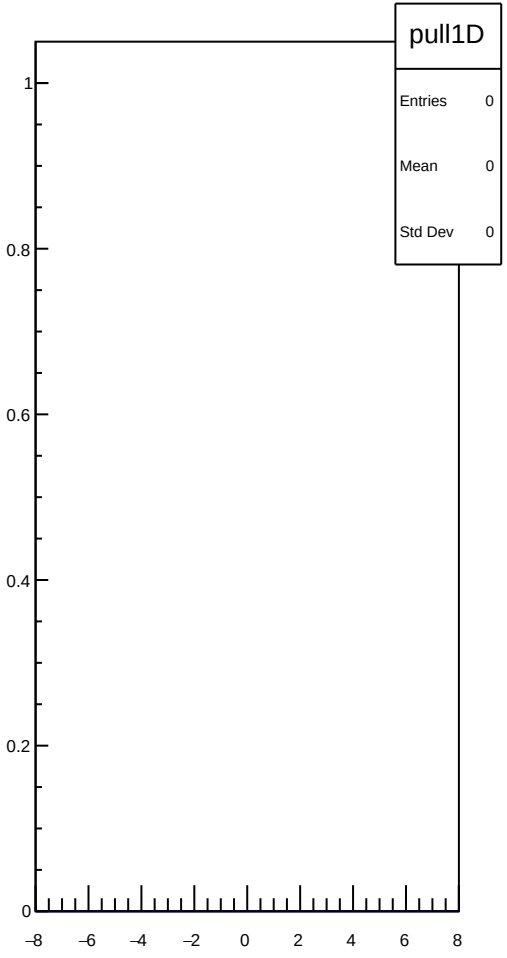

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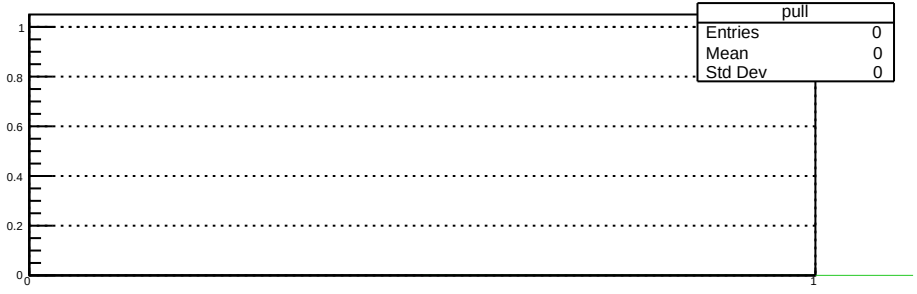

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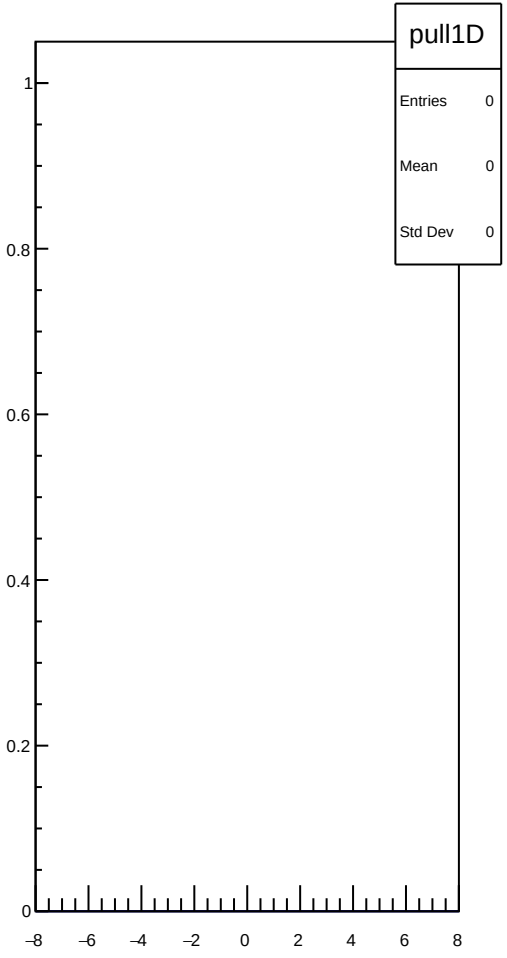

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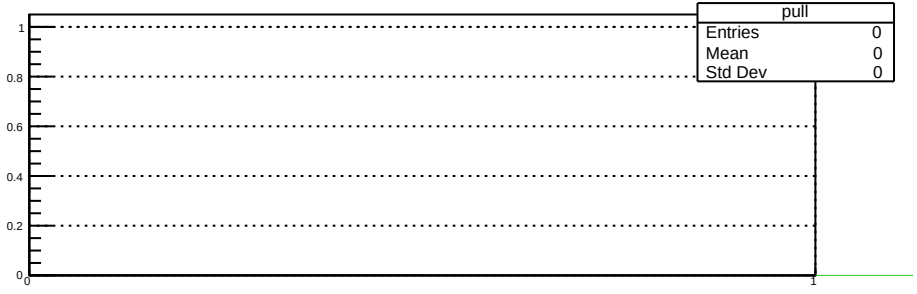

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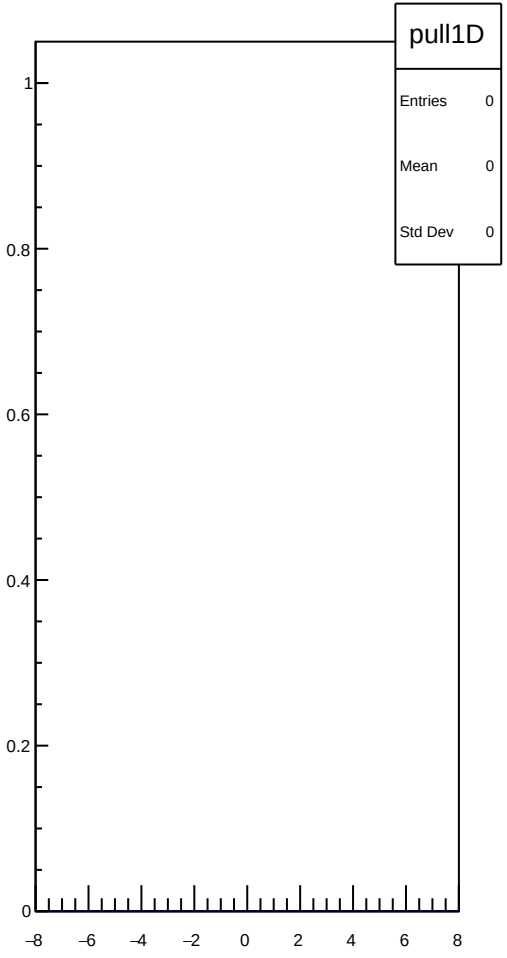

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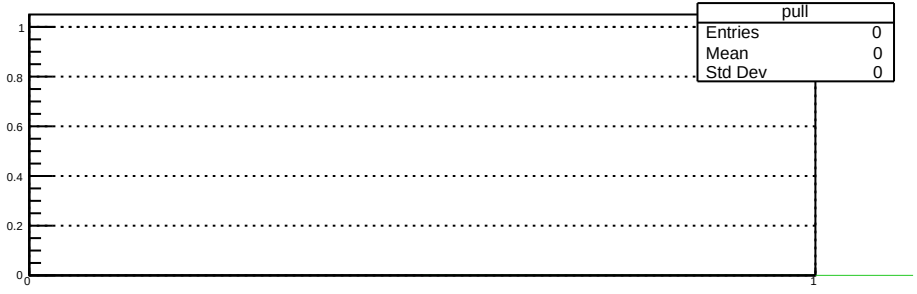

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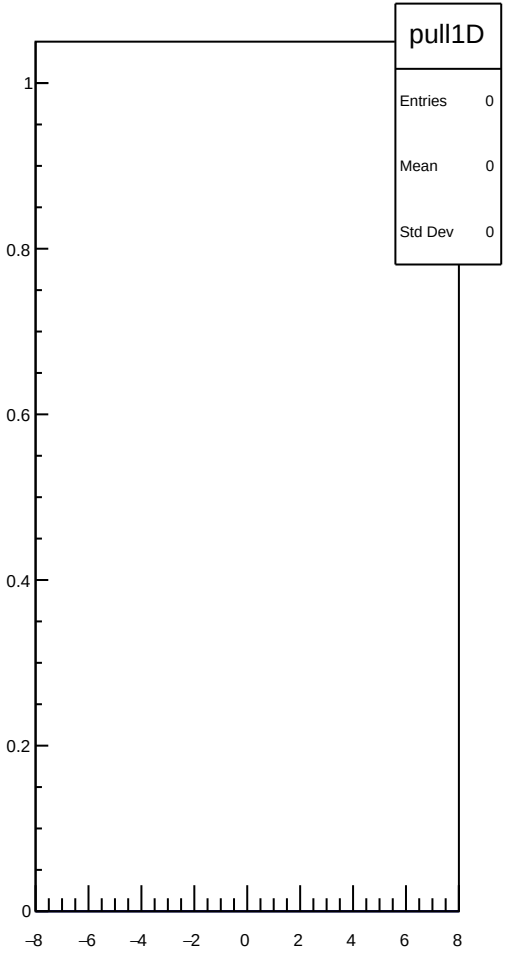

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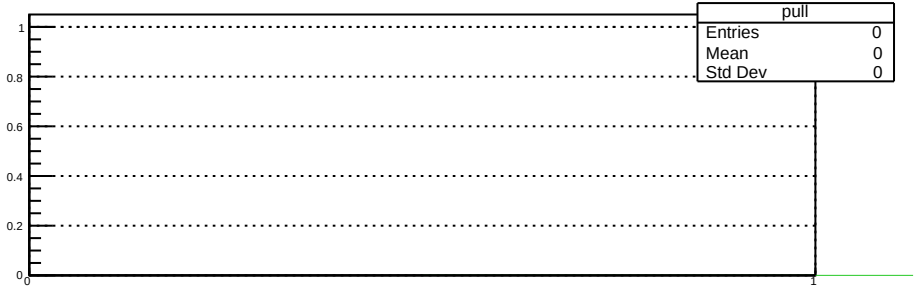

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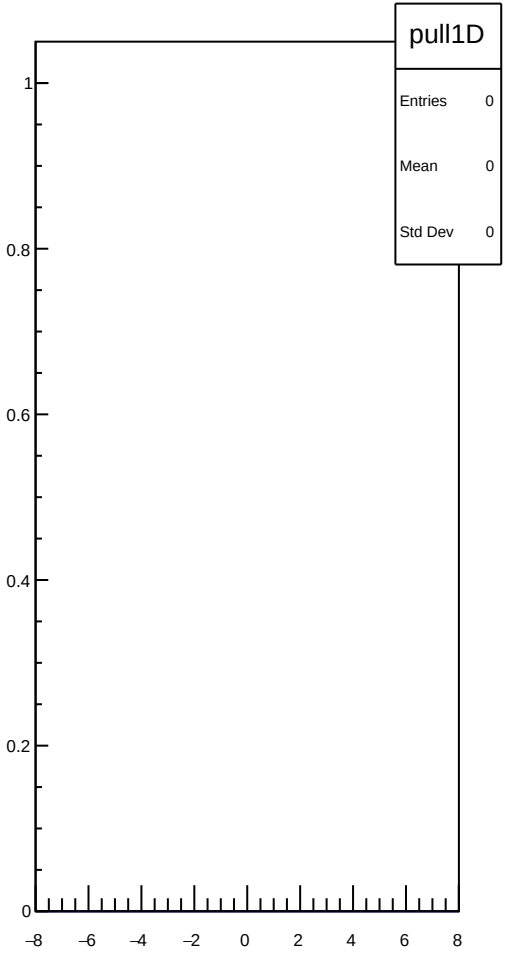

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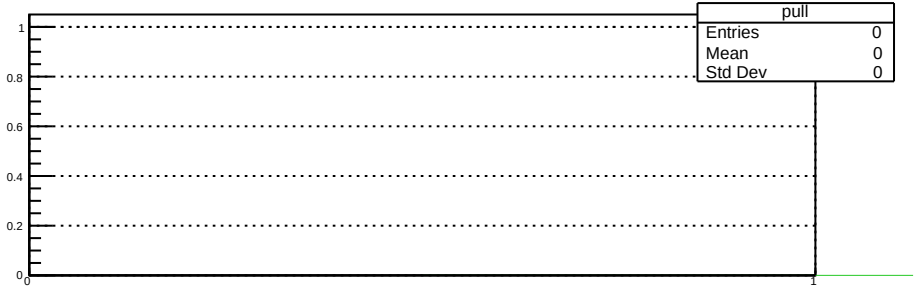

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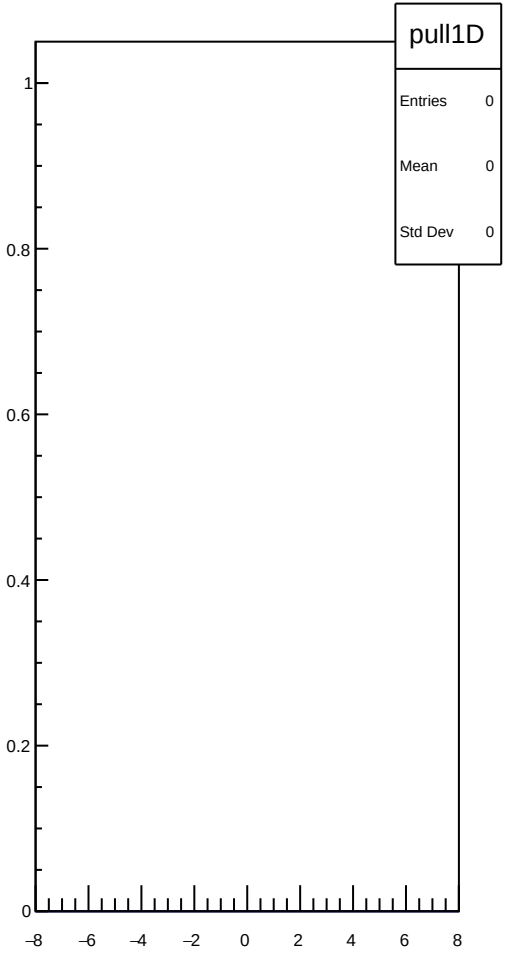

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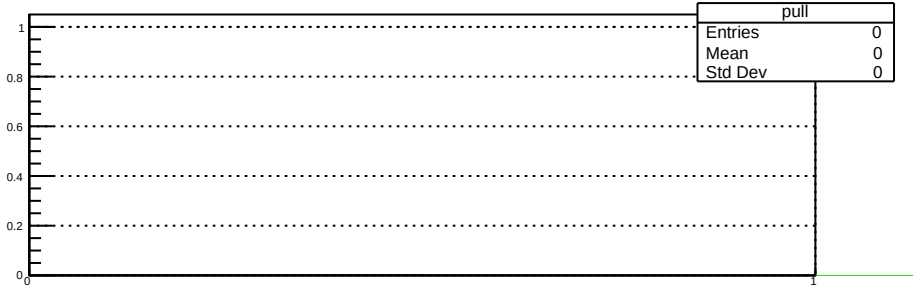

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

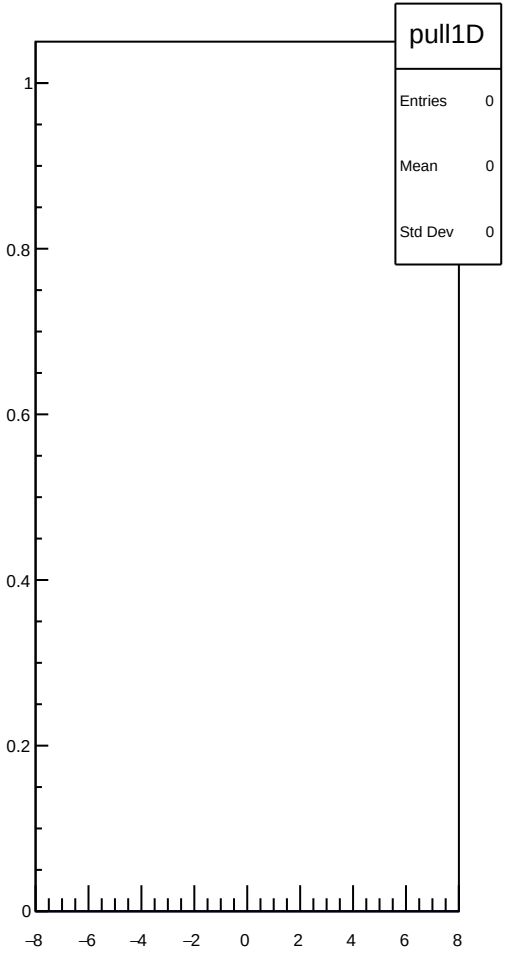

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

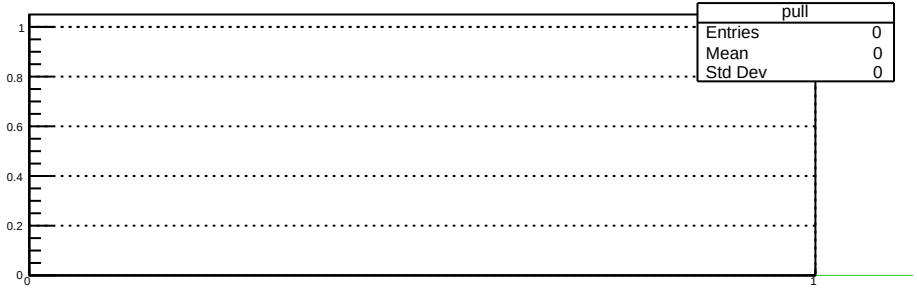

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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2
4
6
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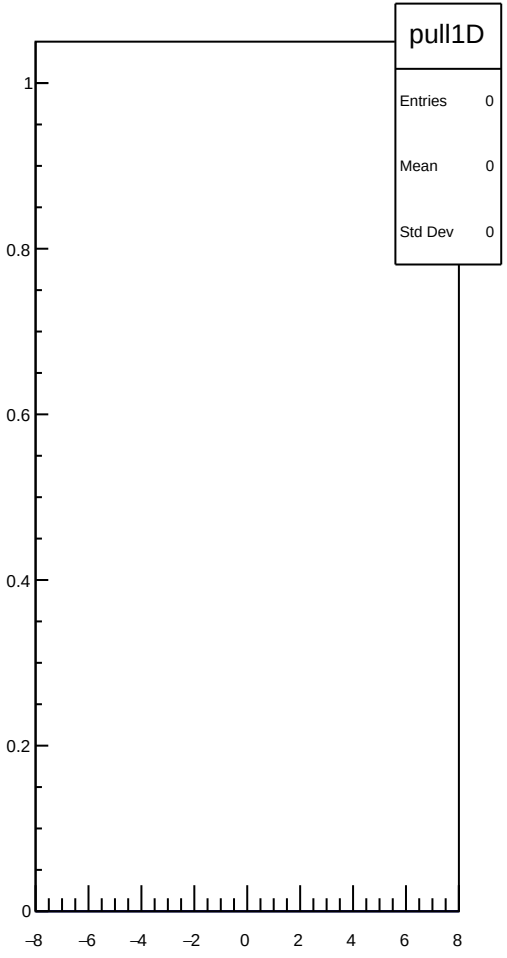

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

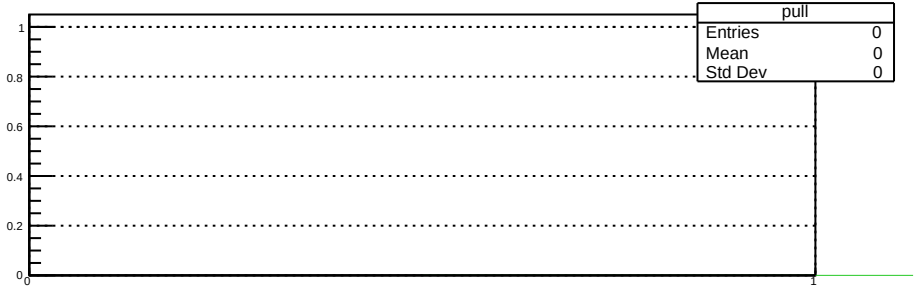

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
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2
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6
8

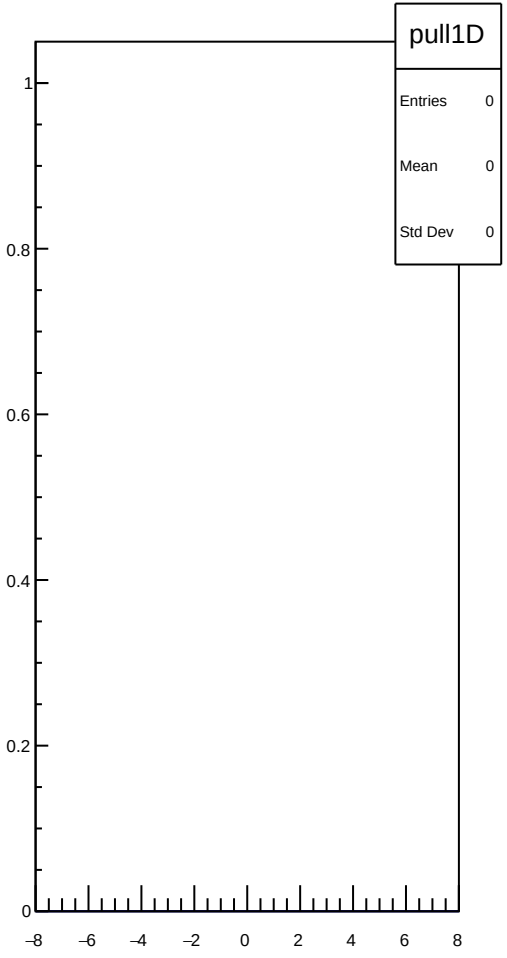

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

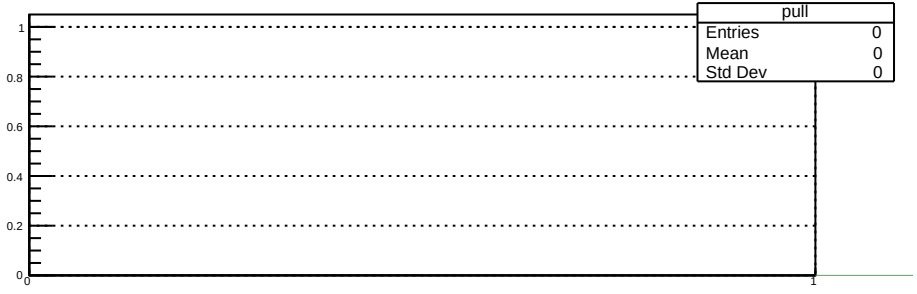

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–8
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–4
–2
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2
4
6
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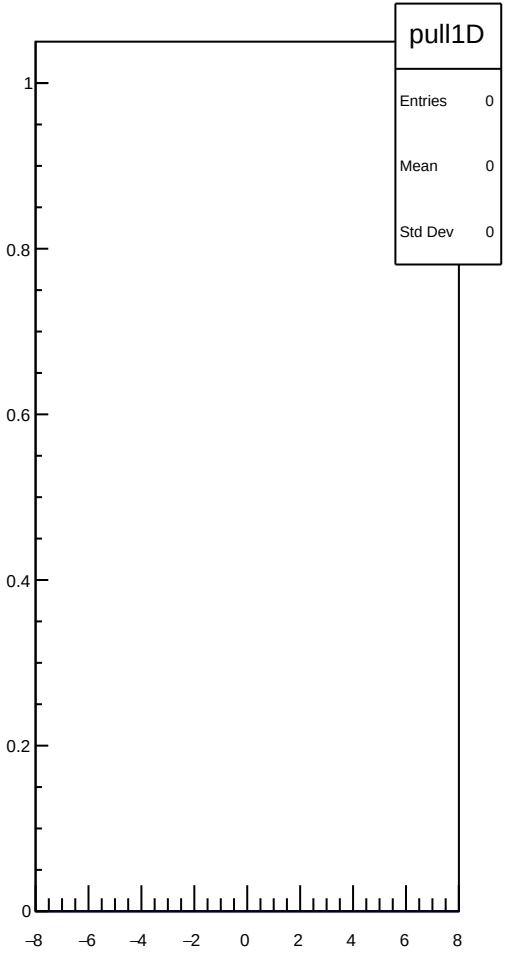

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

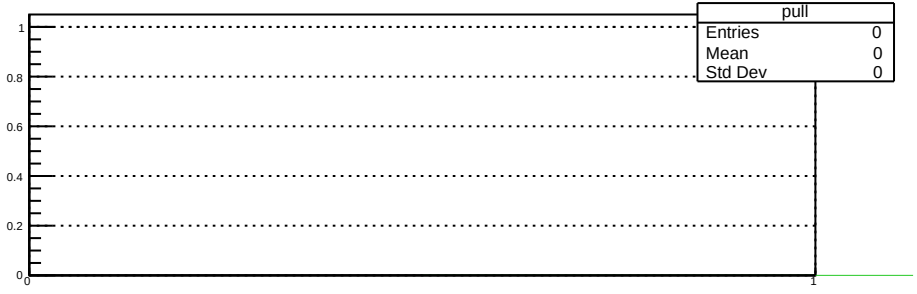

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.4
0.2
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–8
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–4
–2
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2
4
6
8

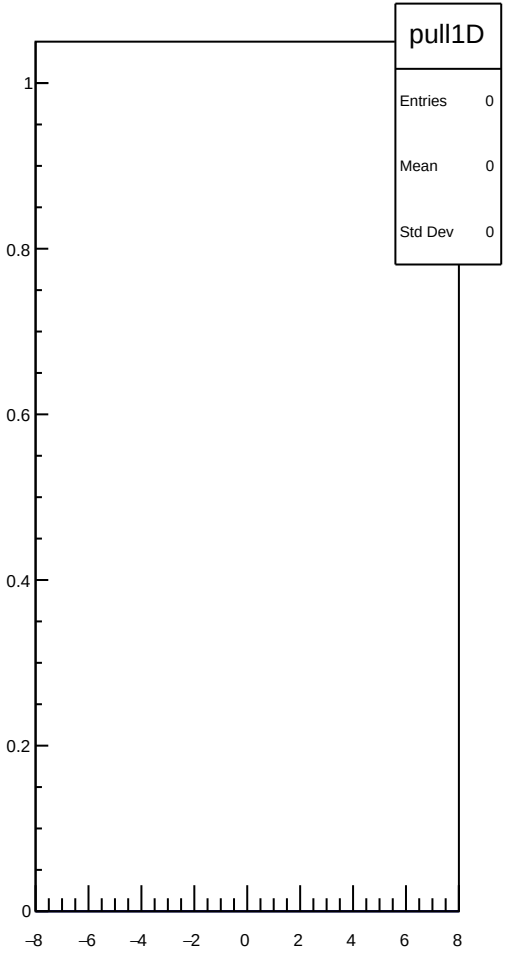

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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1

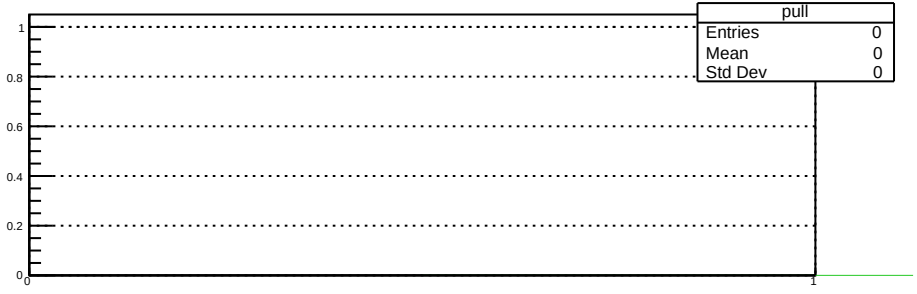

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

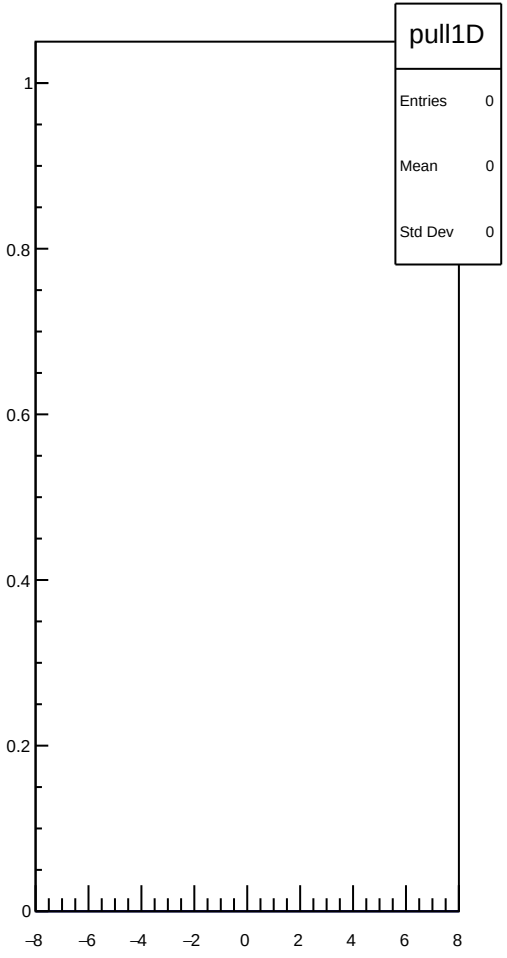

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

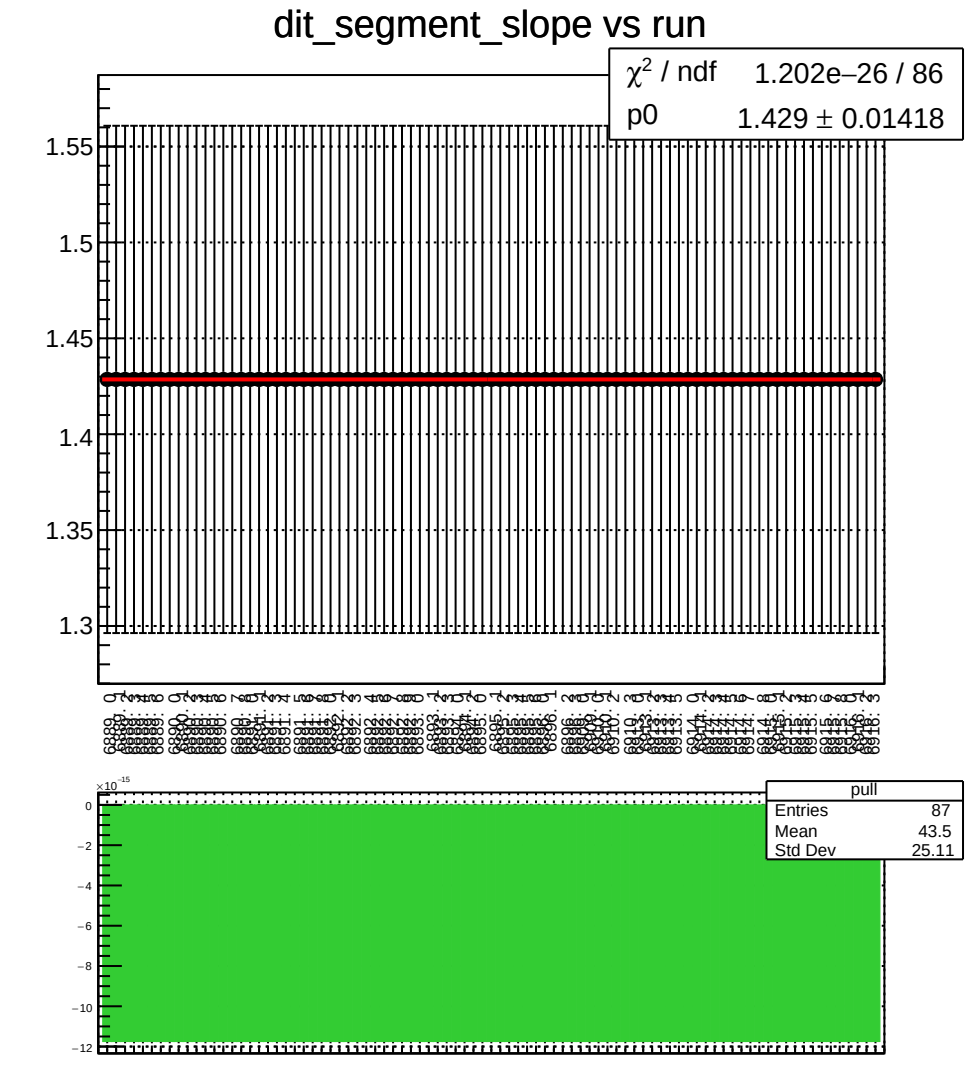

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

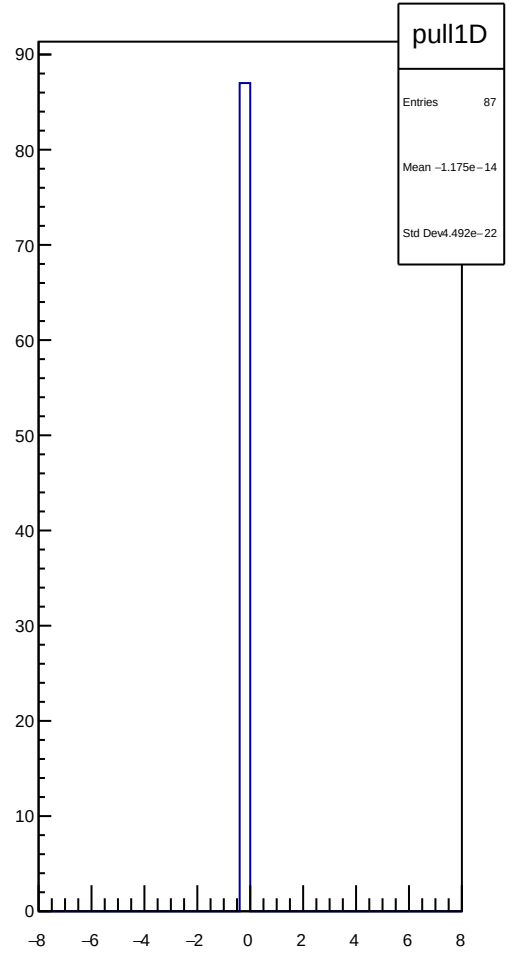

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

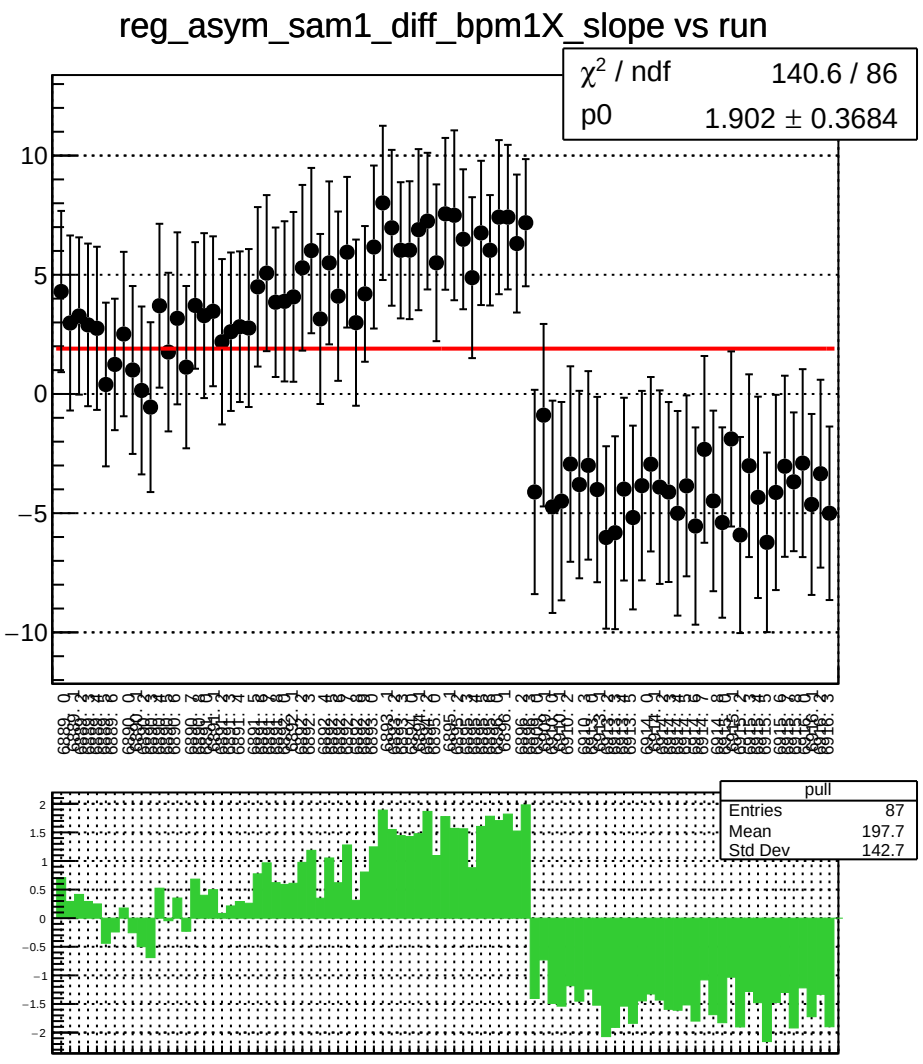

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

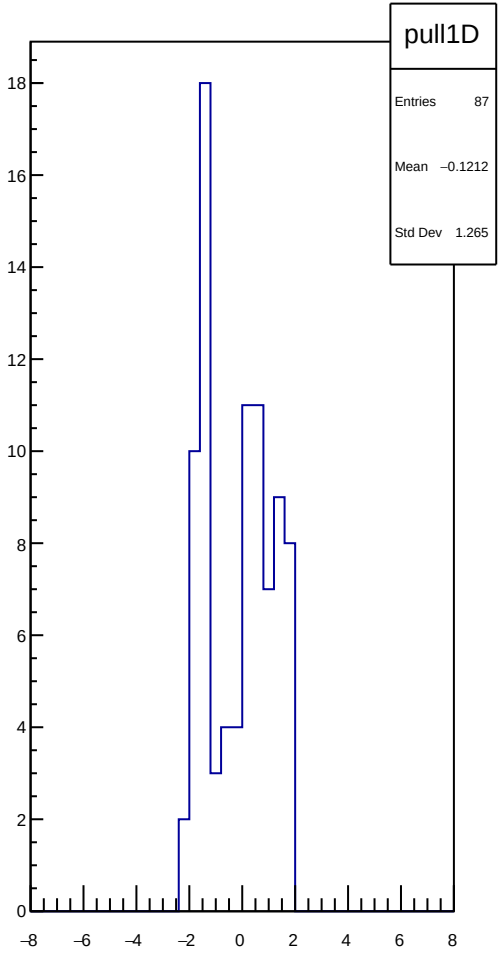

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

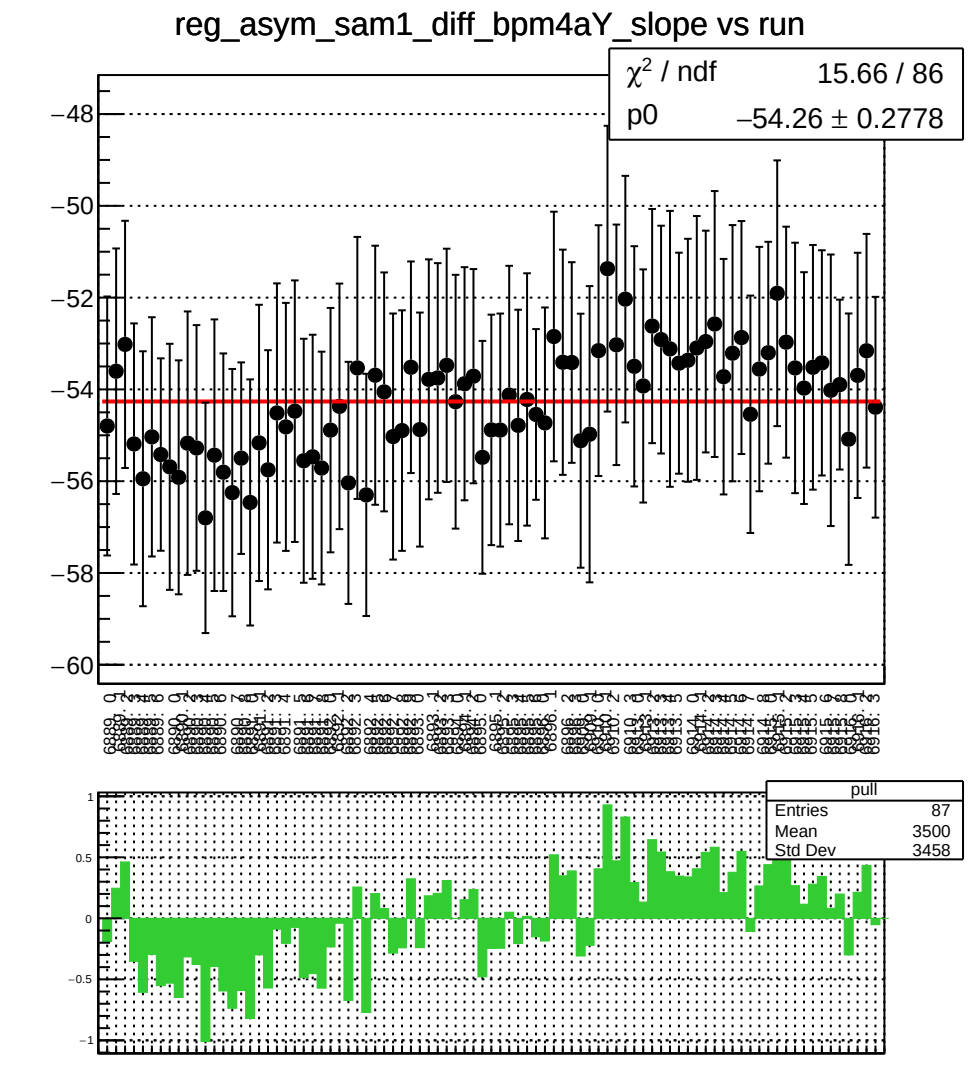

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

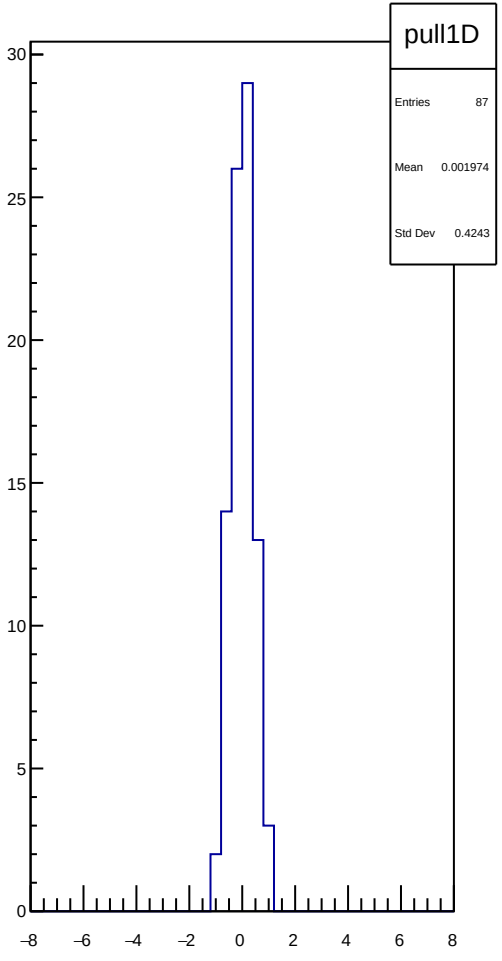

dit_segment_slope vs run
χ² / ndf 1.202e−26 / 86
p0 1.429 ± 0.01418
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

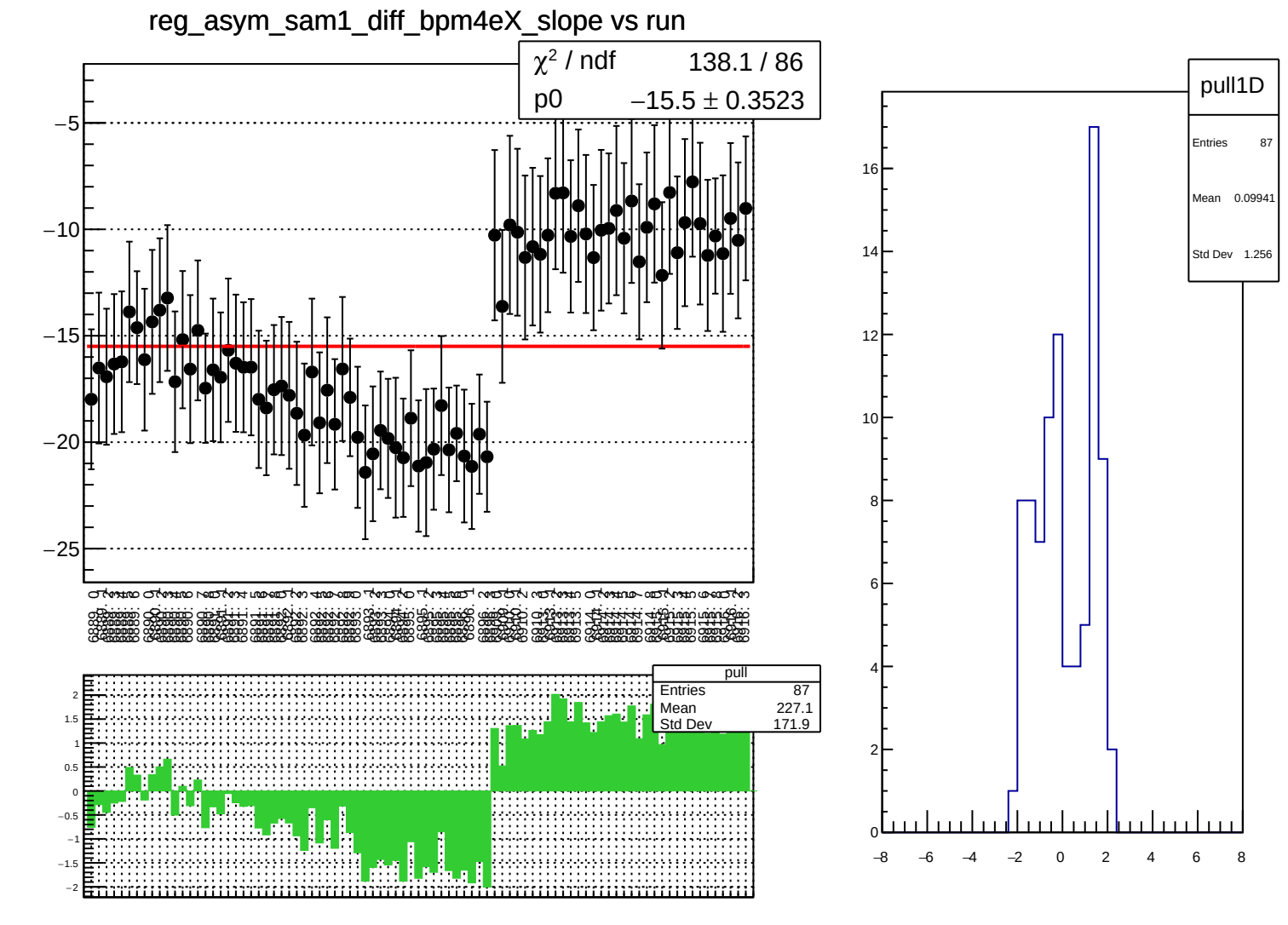

pull1D
Entries 87
Mean −1.175e−14
Std Dev4.492e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

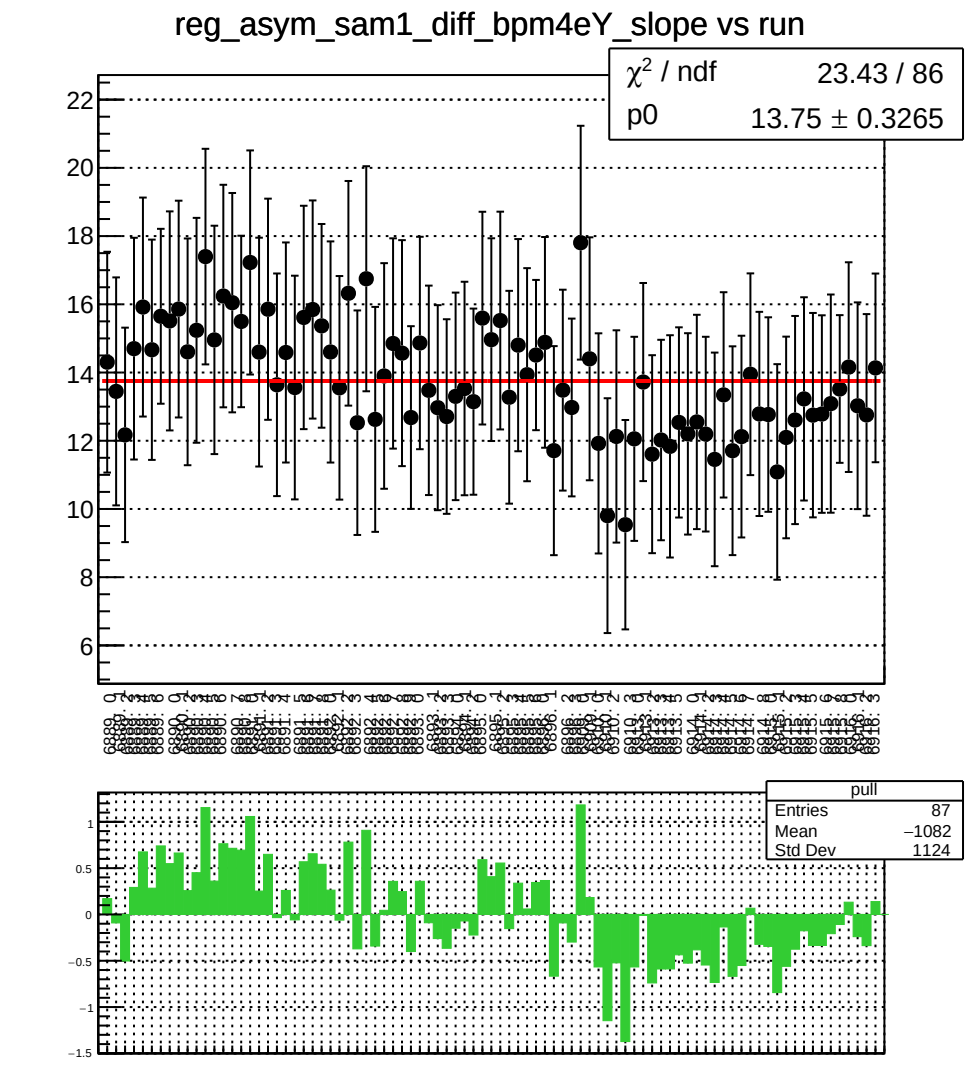

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 140.6 / 86
p0 1.902 ± 0.3684
pull
Entries 87
Mean 197.7
Std Dev 142.7

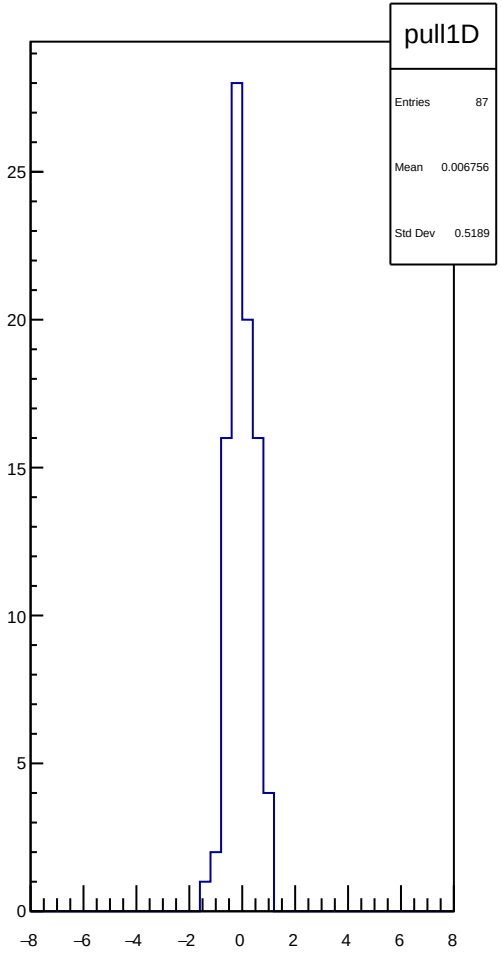

pull1D
Entries 87
Mean −0.1212
Std Dev 1.265

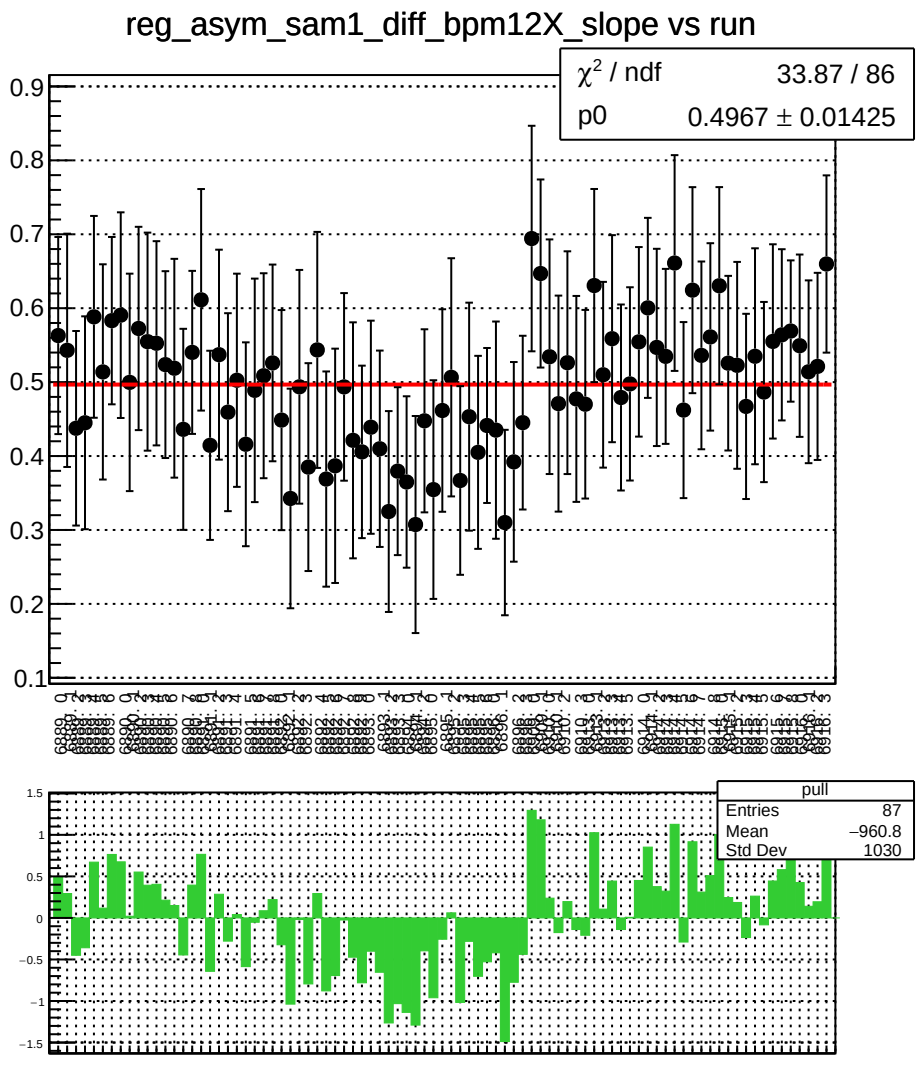

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 15.66 / 86
p0 −54.26 ± 0.2778
pull
Entries 87
Mean 3500
Std Dev 3458

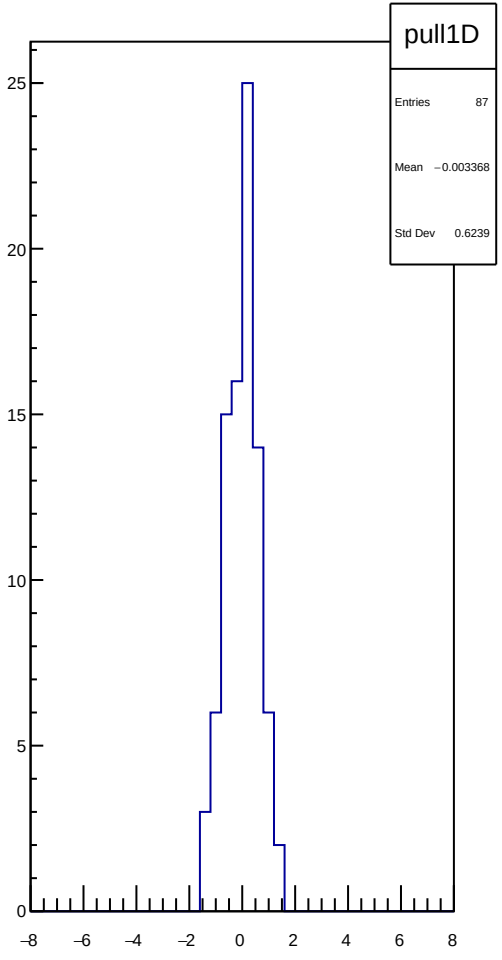

pull1D
Entries 87
Mean 0.001974
Std Dev 0.4243

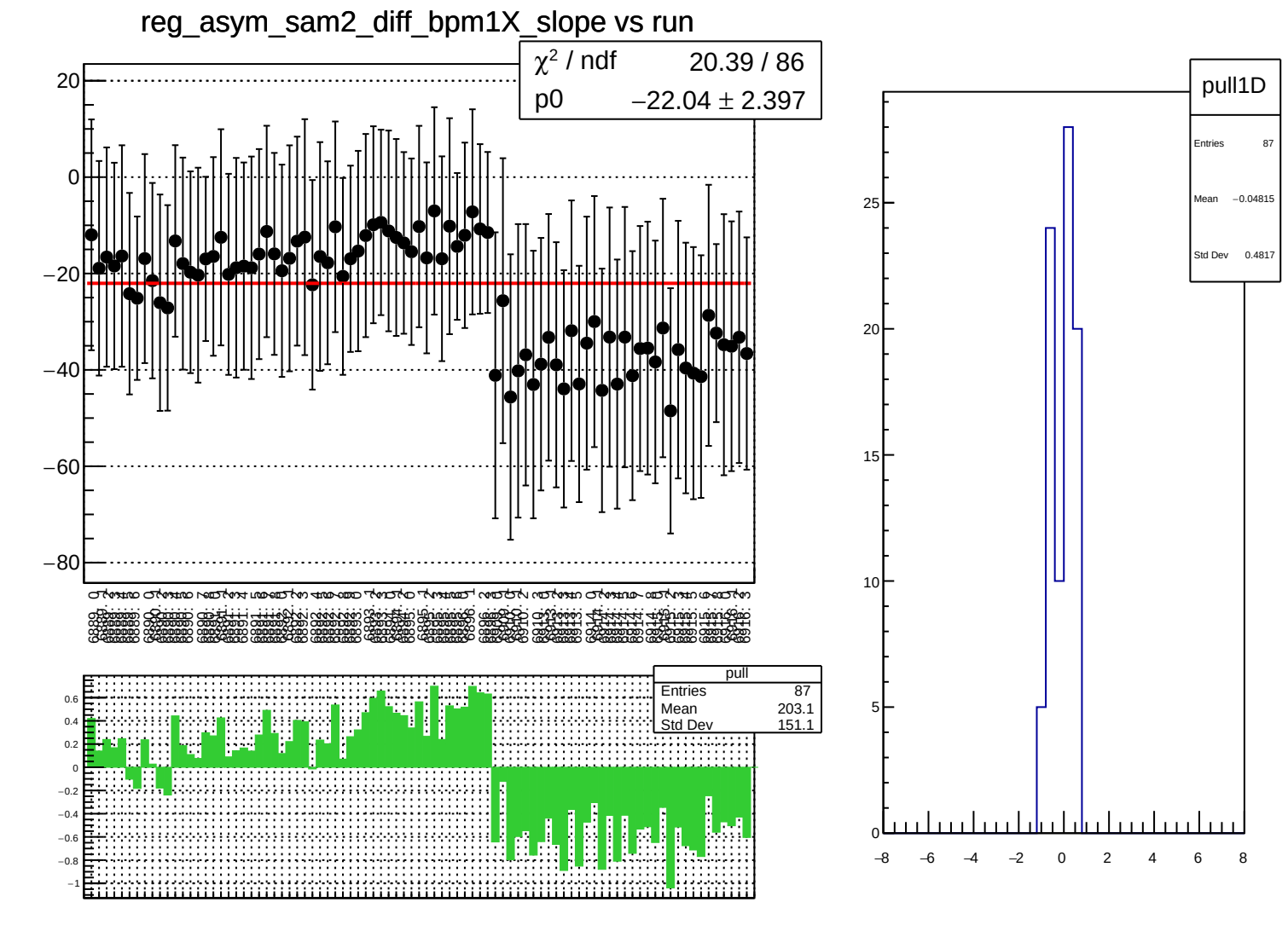

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 138.1 / 86
p0 −15.5 ± 0.3523
pull
Entries 87
Mean 227.1
Std Dev 171.9
pull1D
Entries 87
Mean 0.09941
Std Dev 1.256

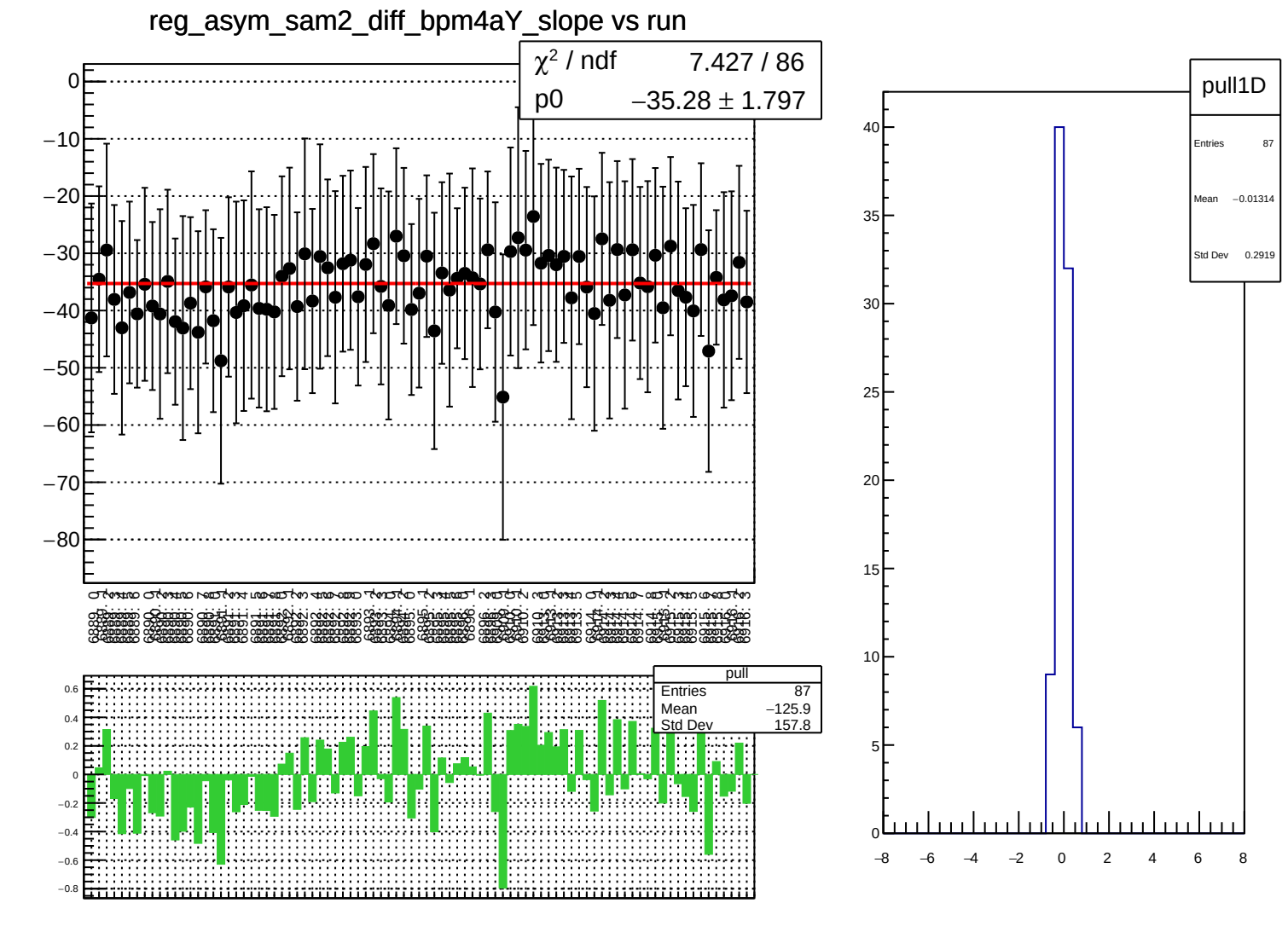

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 23.43 / 86
p0 13.75 ± 0.3265
pull
Entries 87
Mean −1082
Std Dev 1124

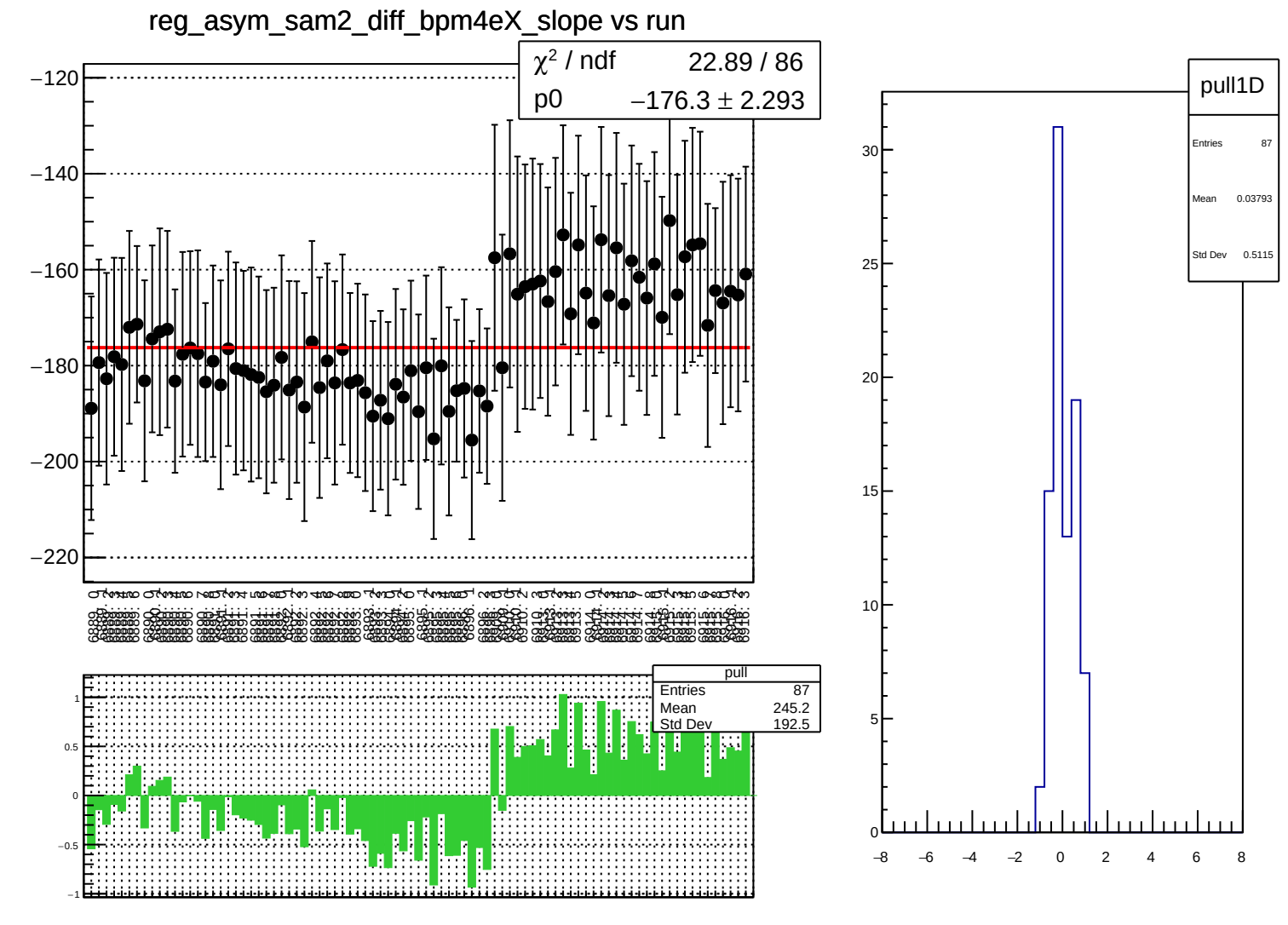

pull1D
Entries 87
Mean 0.006756
Std Dev 0.5189

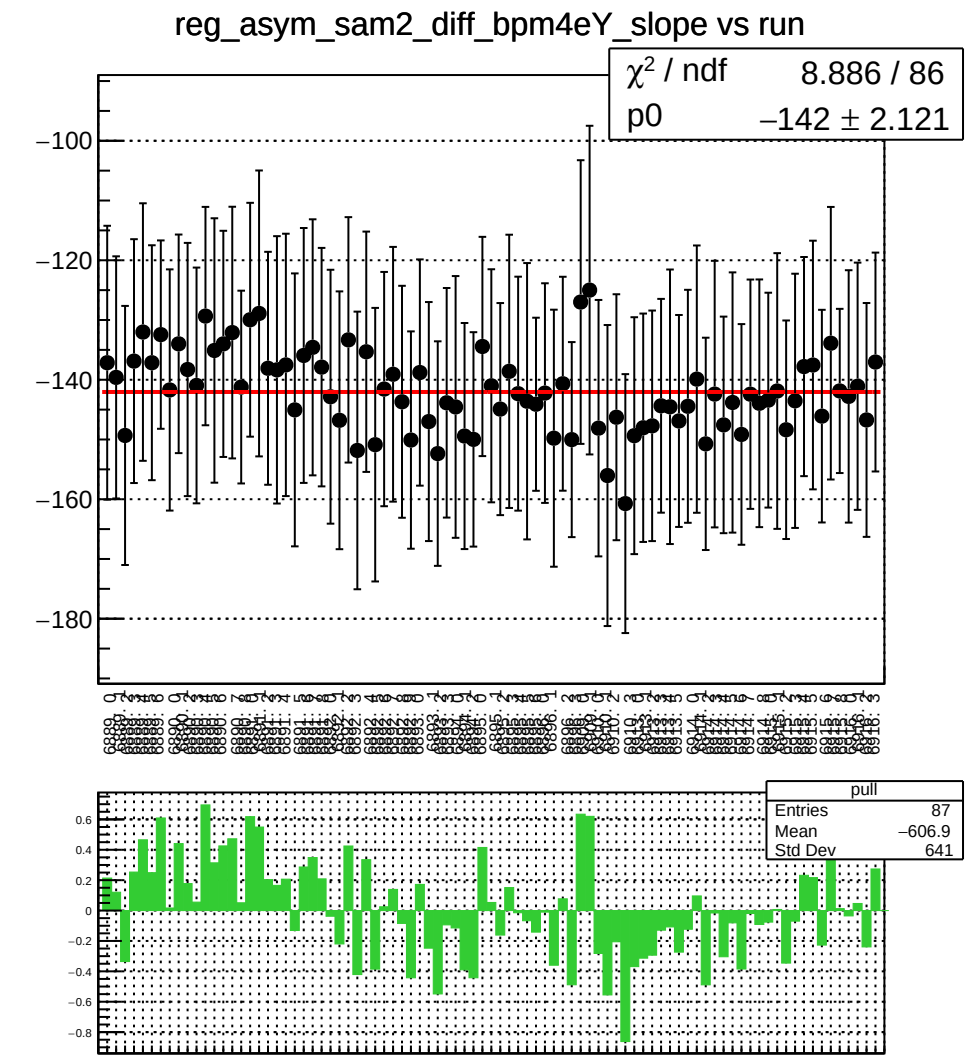

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 33.87 / 86
p0 0.4967 ± 0.01425
pull
Entries 87
Mean −960.8
Std Dev 1030

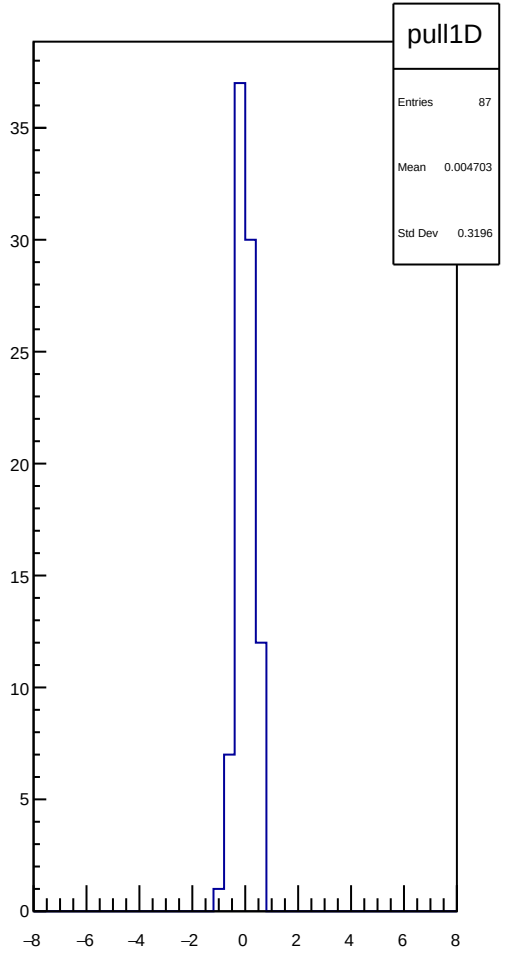

pull1D
Entries 87
Mean −0.003368
Std Dev 0.6239

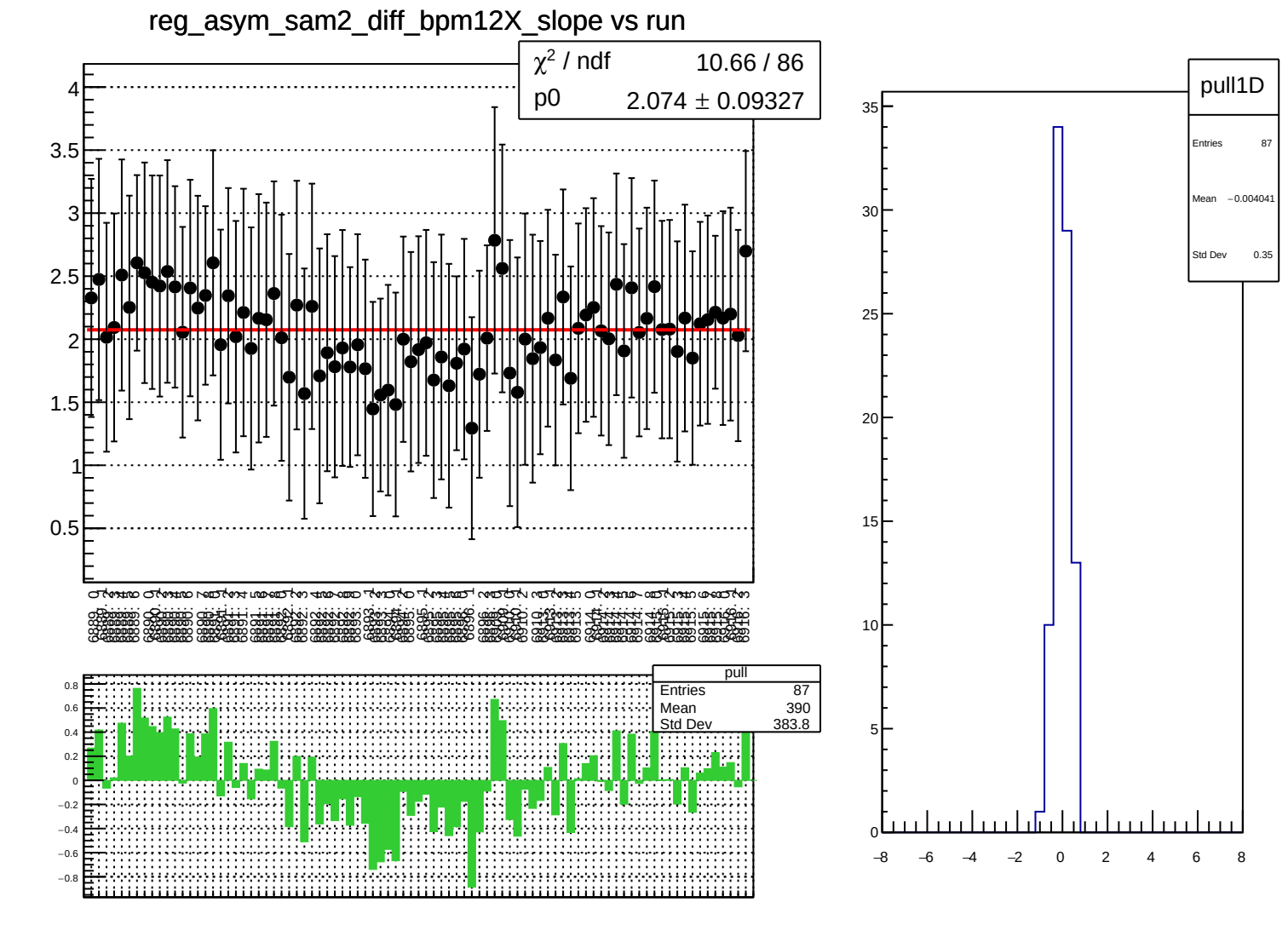

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 20.39 / 86
p0 −22.04 ± 2.397
pull
Entries 87
Mean 203.1
Std Dev 151.1
pull1D
Entries 87
Mean −0.04815
Std Dev 0.4817

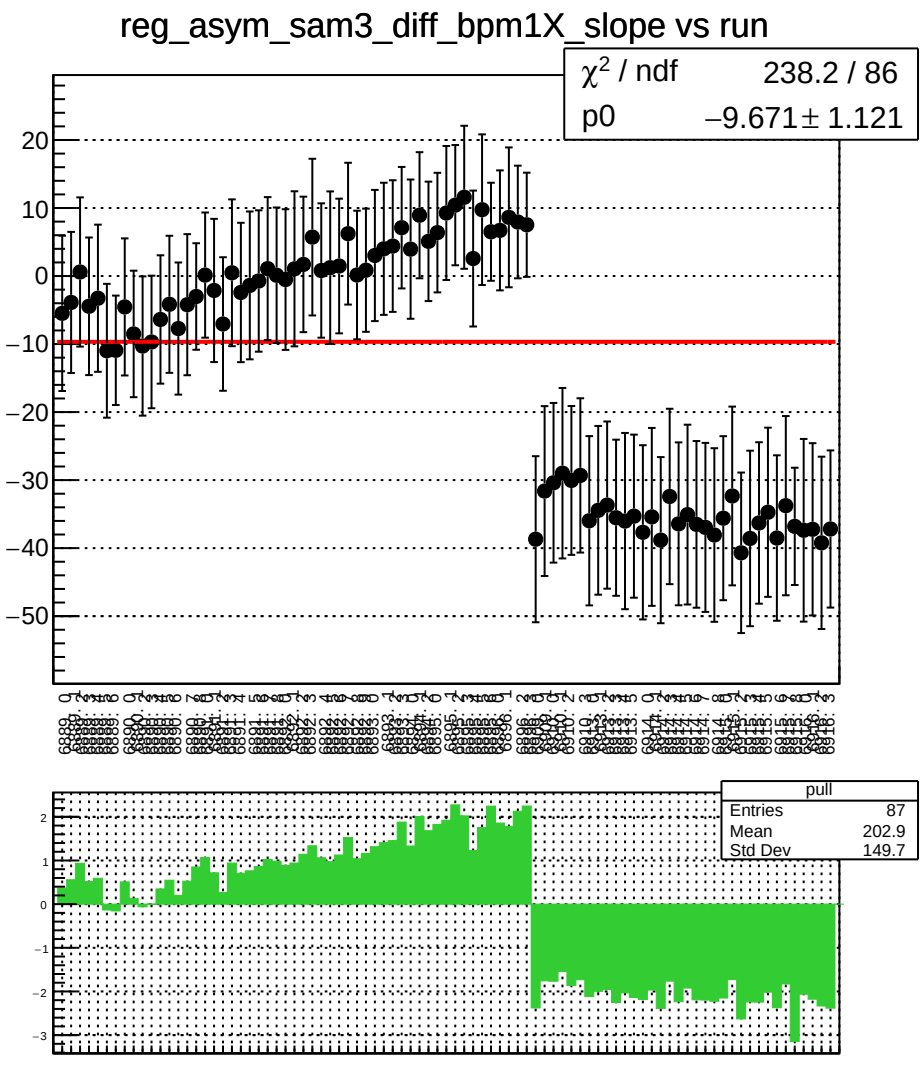

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.427 / 86
p0 −35.28 ± 1.797
pull
Entries 87
Mean −125.9
Std Dev 157.8
pull1D
Entries 87
Mean −0.01314
Std Dev 0.2919

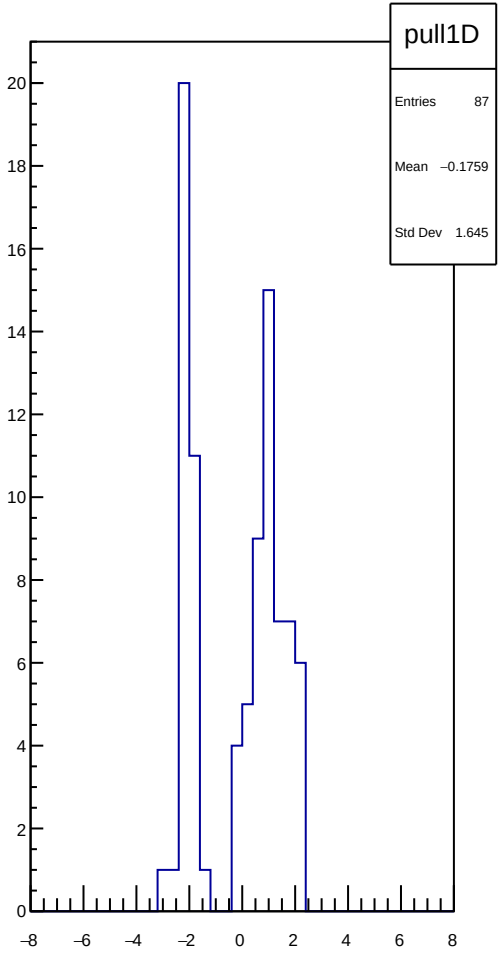

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 22.89 / 86
p0 −176.3 ± 2.293
−120
−140
−160
−180
−200
−220
pull
Entries 87
Mean 245.2
Std Dev 192.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.03793
Std Dev 0.5115
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

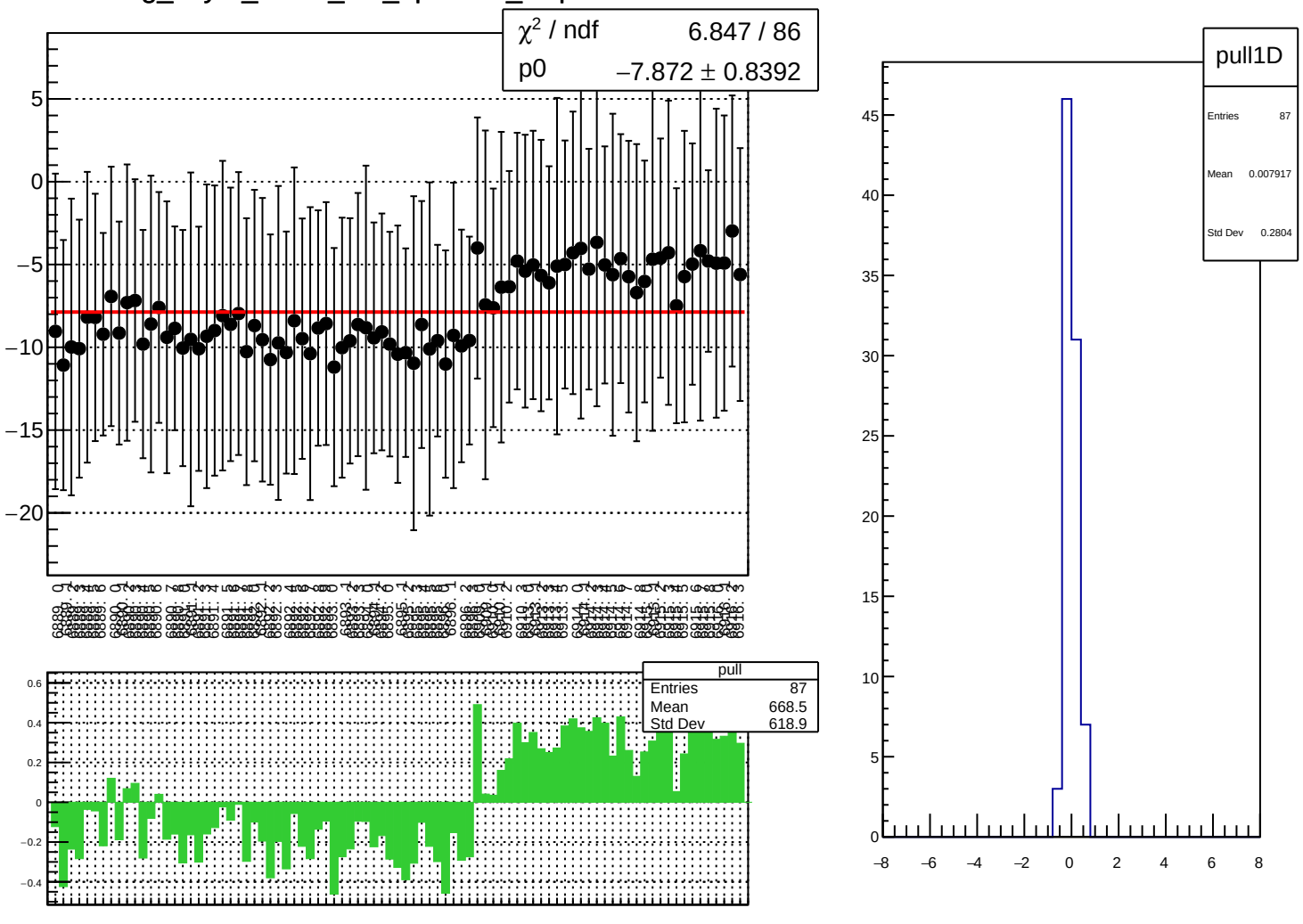

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 8.886 / 86
p0 −142 ± 2.121
−100
−120
−140
−160
−180
pull
Entries 87
Mean −606.9
Std Dev 641
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

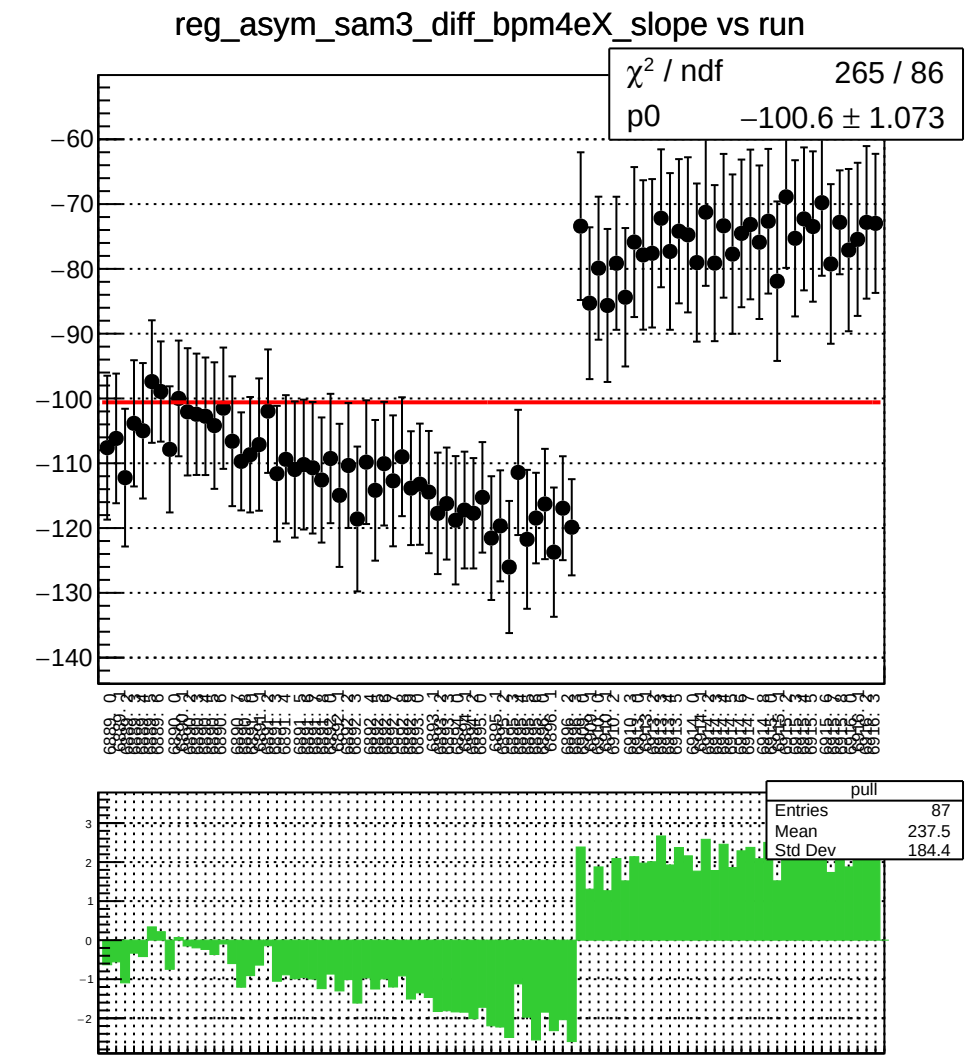

pull1D
Entries 87
Mean 0.004703
Std Dev 0.3196
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

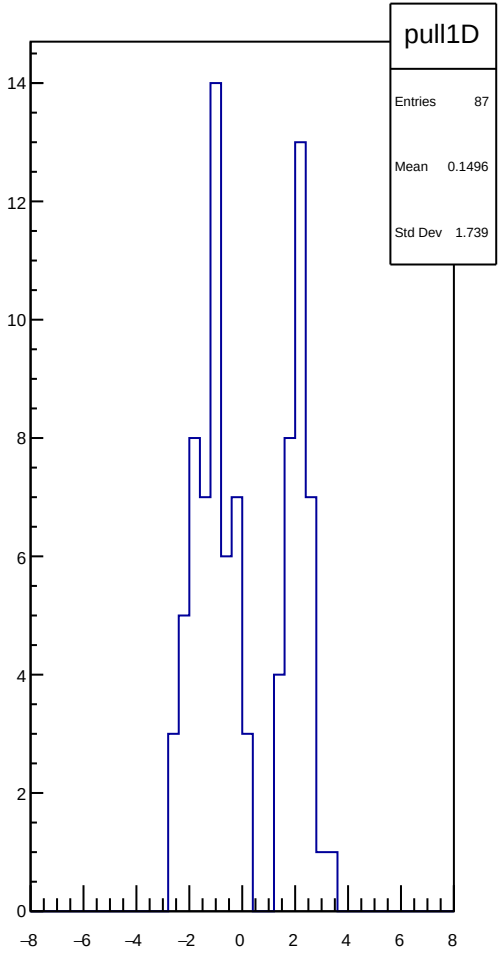

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 10.66 / 86
p0 2.074 ± 0.09327
pull
Entries 87
Mean 390
Std Dev 383.8
pull1D
Entries 87
Mean −0.004041
Std Dev 0.35

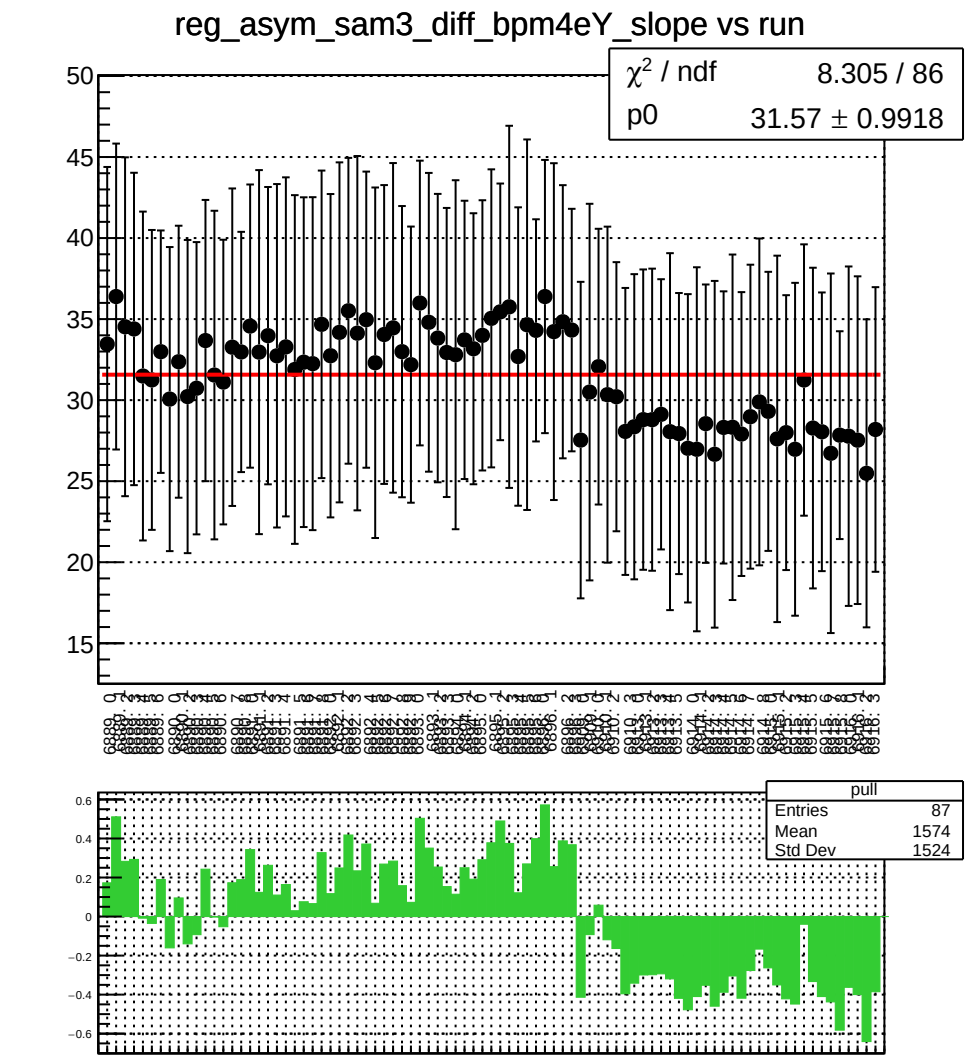

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 238.2 / 86
p0 −9.671 ± 1.121
pull
Entries 87
Mean 202.9
Std Dev 149.7

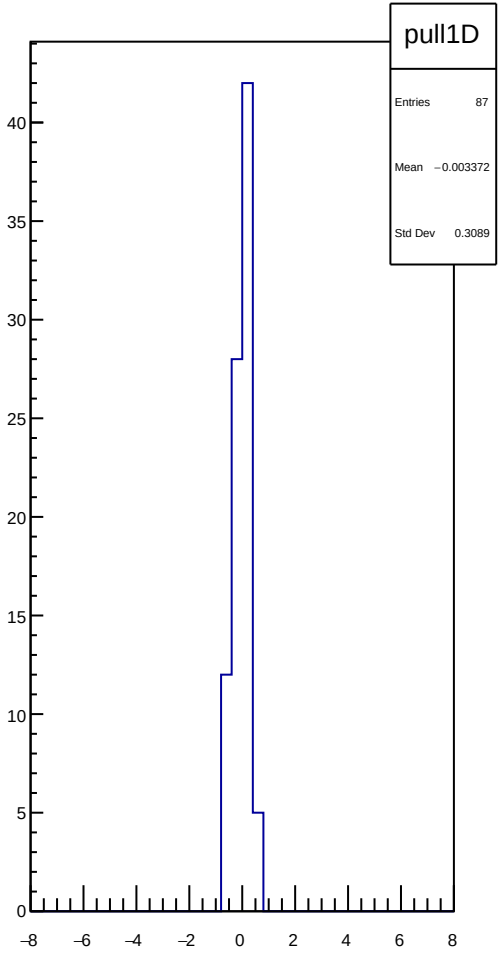

pull1D
Entries 87
Mean −0.1759
Std Dev 1.645

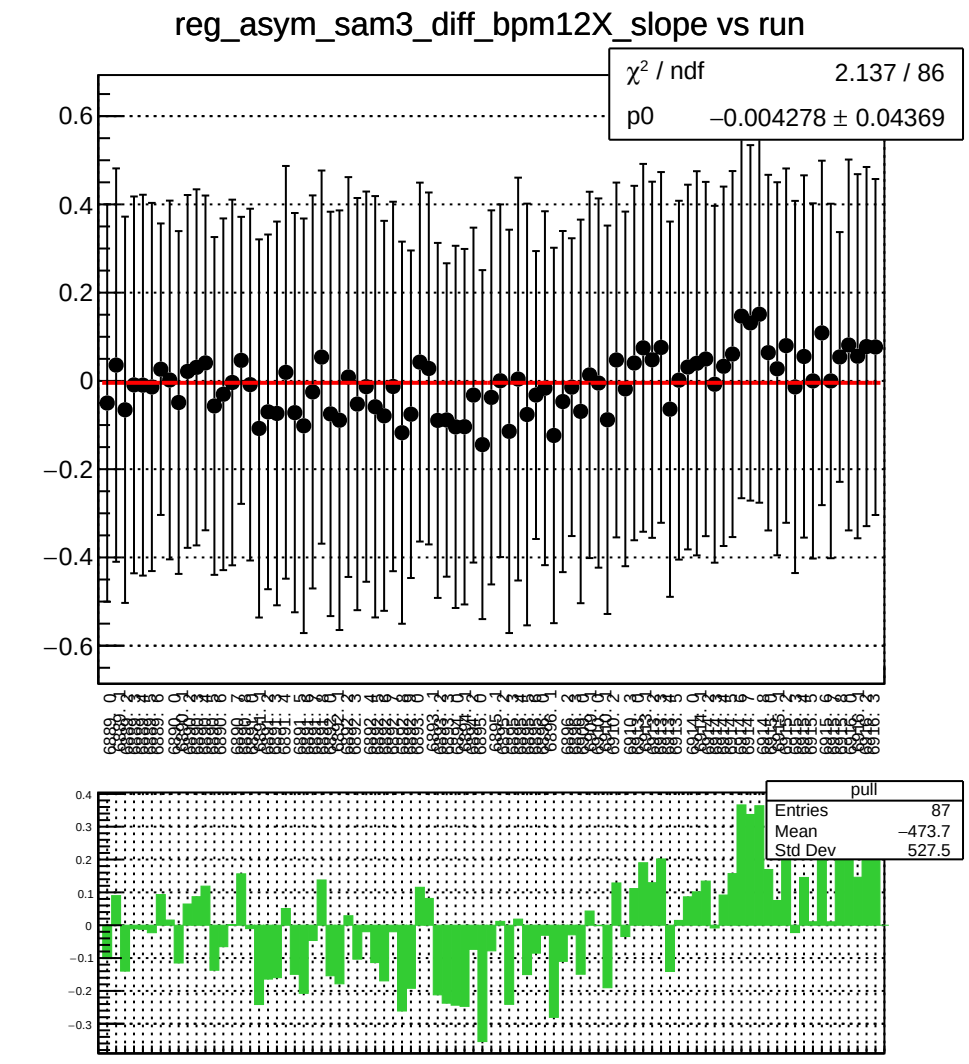

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 6.847 / 86
p0 −7.872 ± 0.8392
pull
Entries 87
Mean 668.5
Std Dev 618.9
pull1D
Entries 87
Mean 0.007917
Std Dev 0.2804

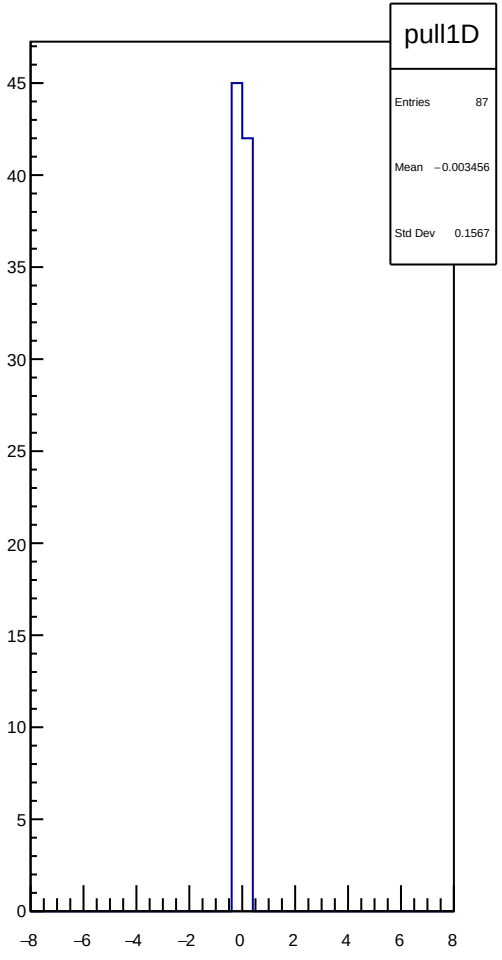

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 265 / 86
p0 −100.6 ± 1.073
pull
Entries 87
Mean 237.5
Std Dev 184.4

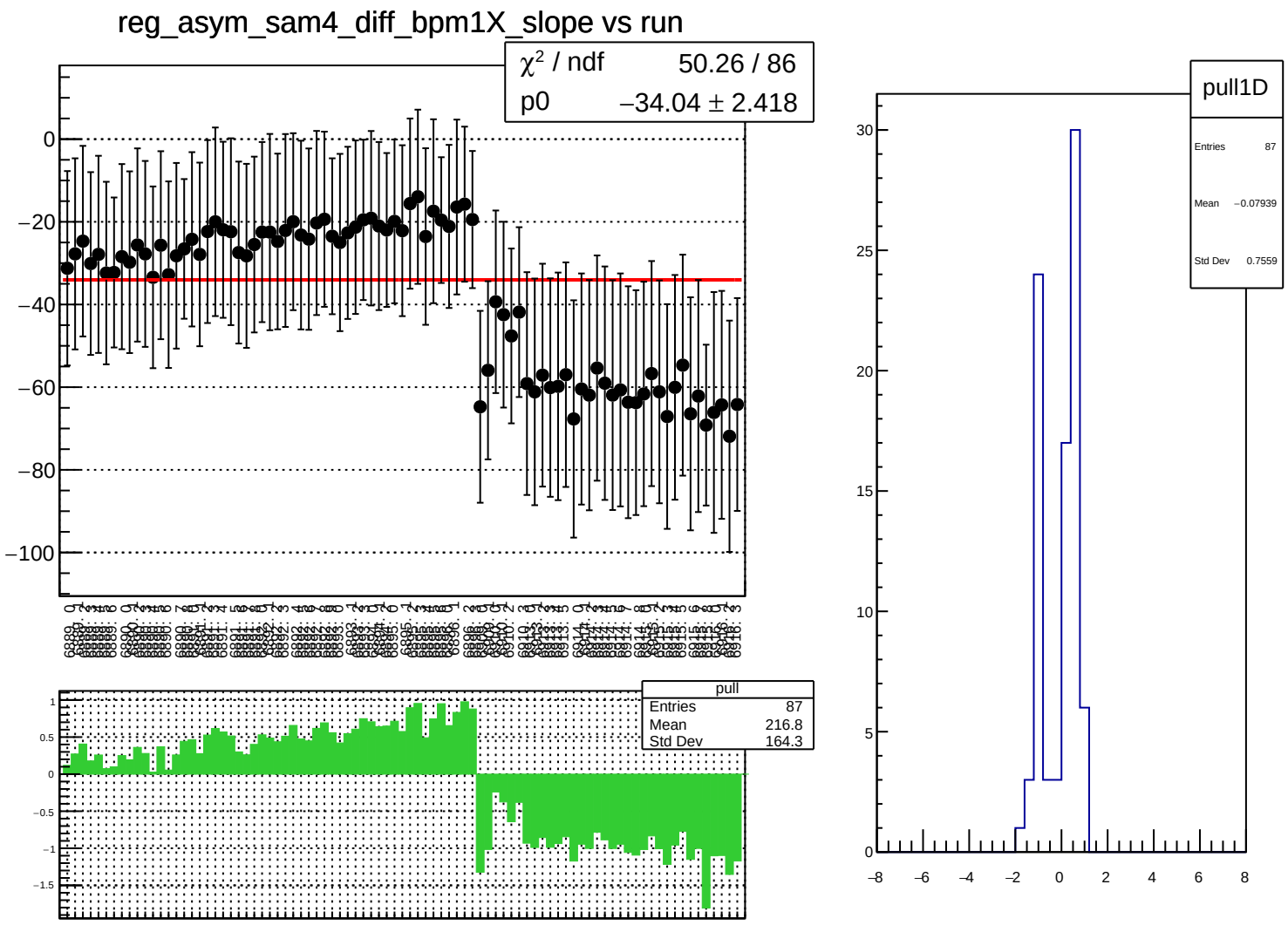

pull1D
Entries 87
Mean 0.1496
Std Dev 1.739

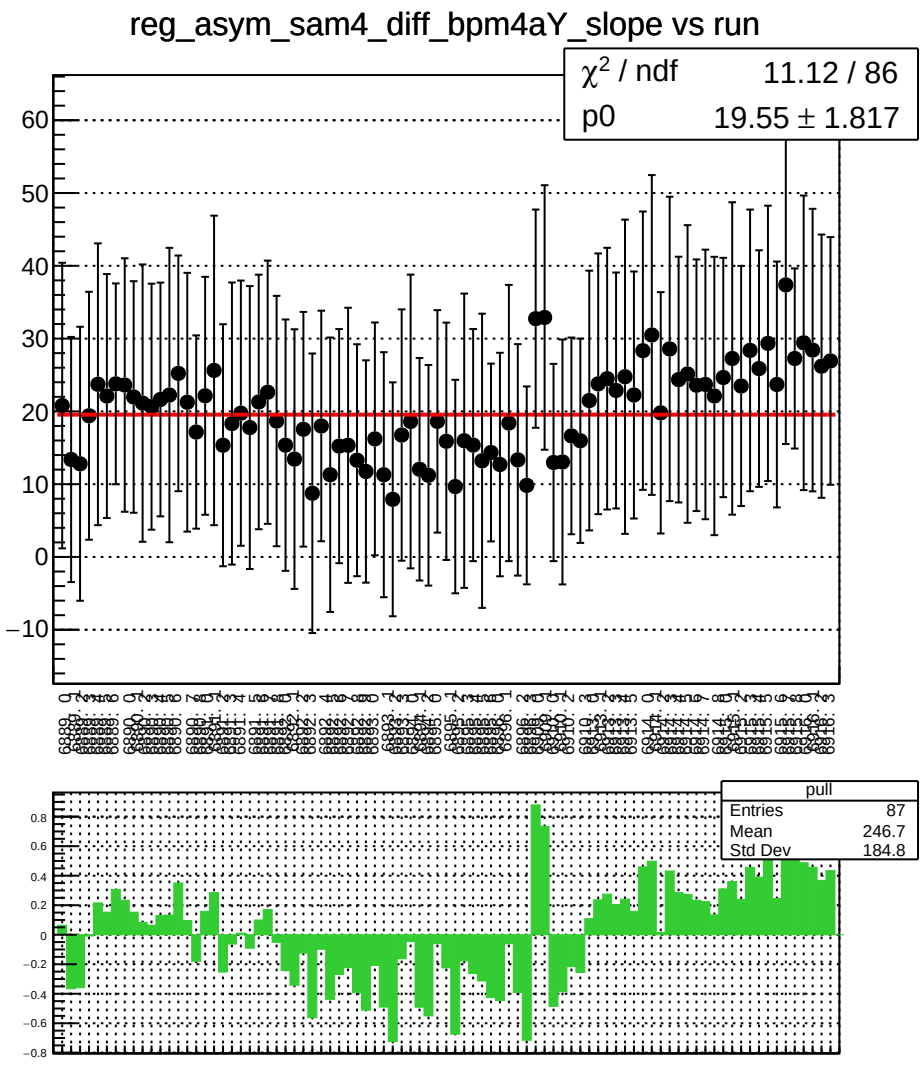

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 8.305 / 86
p0 31.57 ± 0.9918
pull
Entries 87
Mean 1574
Std Dev 1524

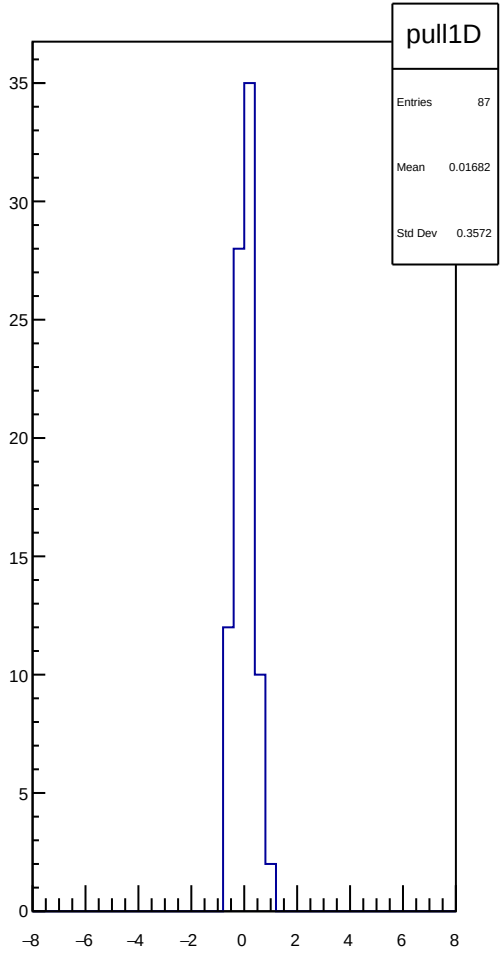

pull1D
Entries 87
Mean −0.003372
Std Dev 0.3089

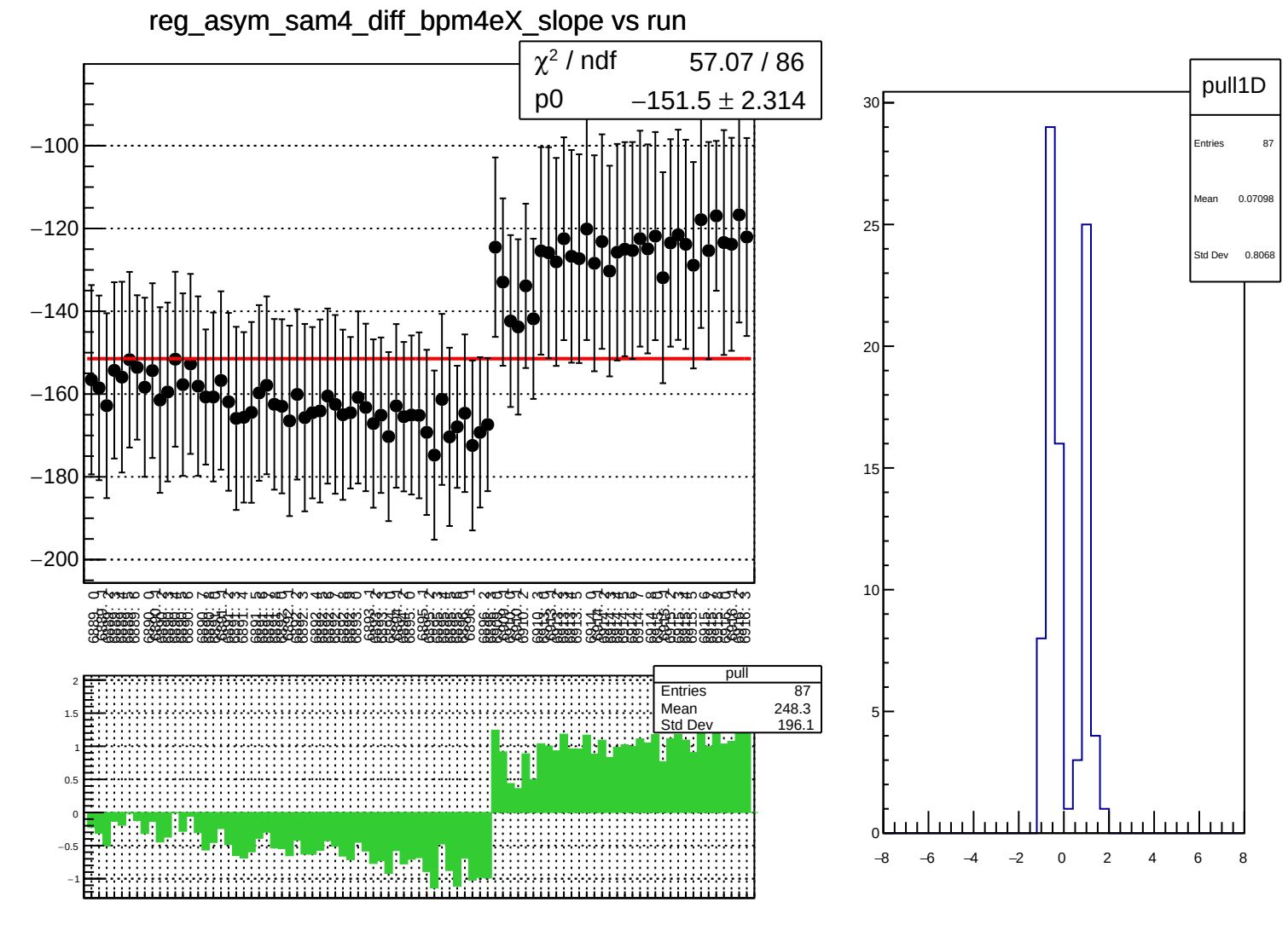

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.137 / 86
p0 −0.004278 ± 0.04369
pull
Entries 87
Mean −473.7
Std Dev 527.5

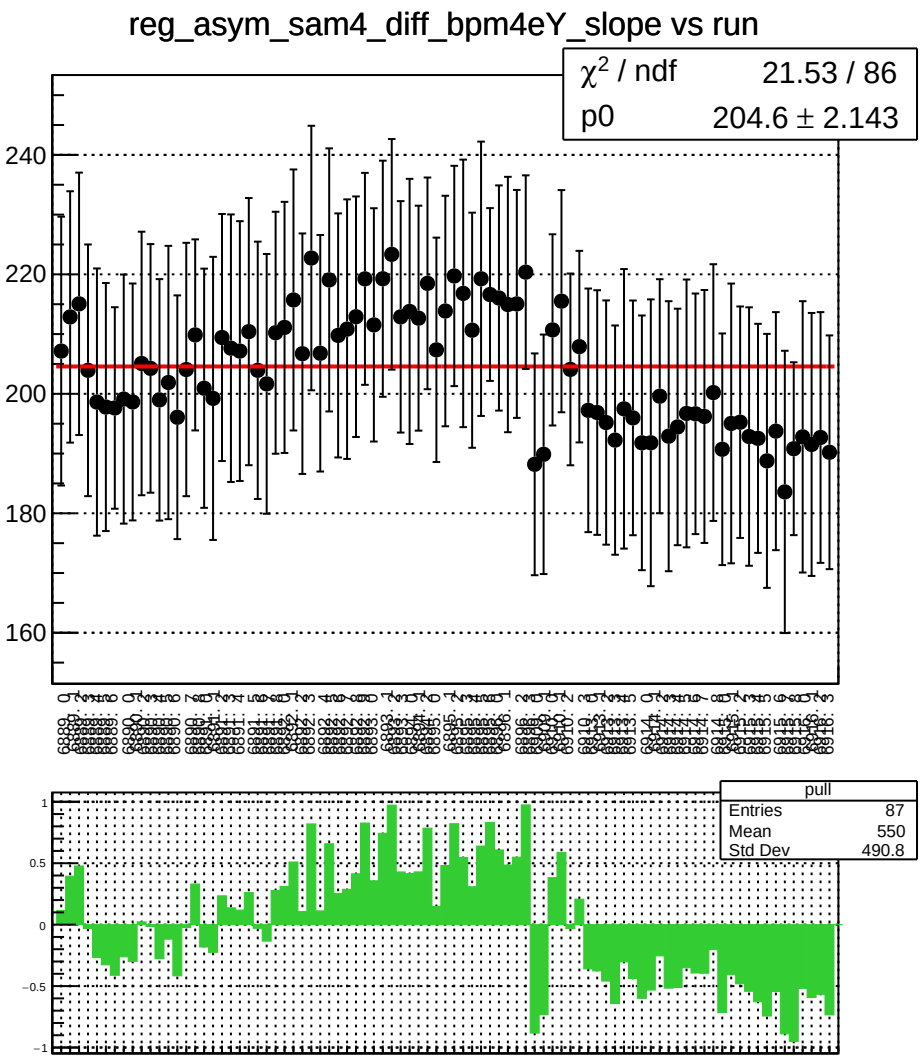

pull1D
Entries 87
Mean −0.003456
Std Dev 0.1567

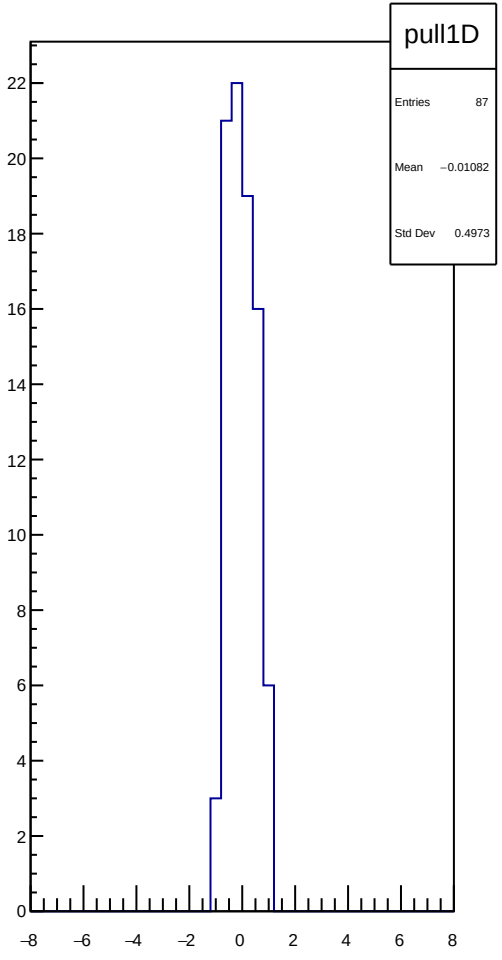

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 50.26 / 86
p0 −34.04 ± 2.418
pull
Entries 87
Mean 216.8
Std Dev 164.3
pull1D
Entries 87
Mean −0.07939
Std Dev 0.7559

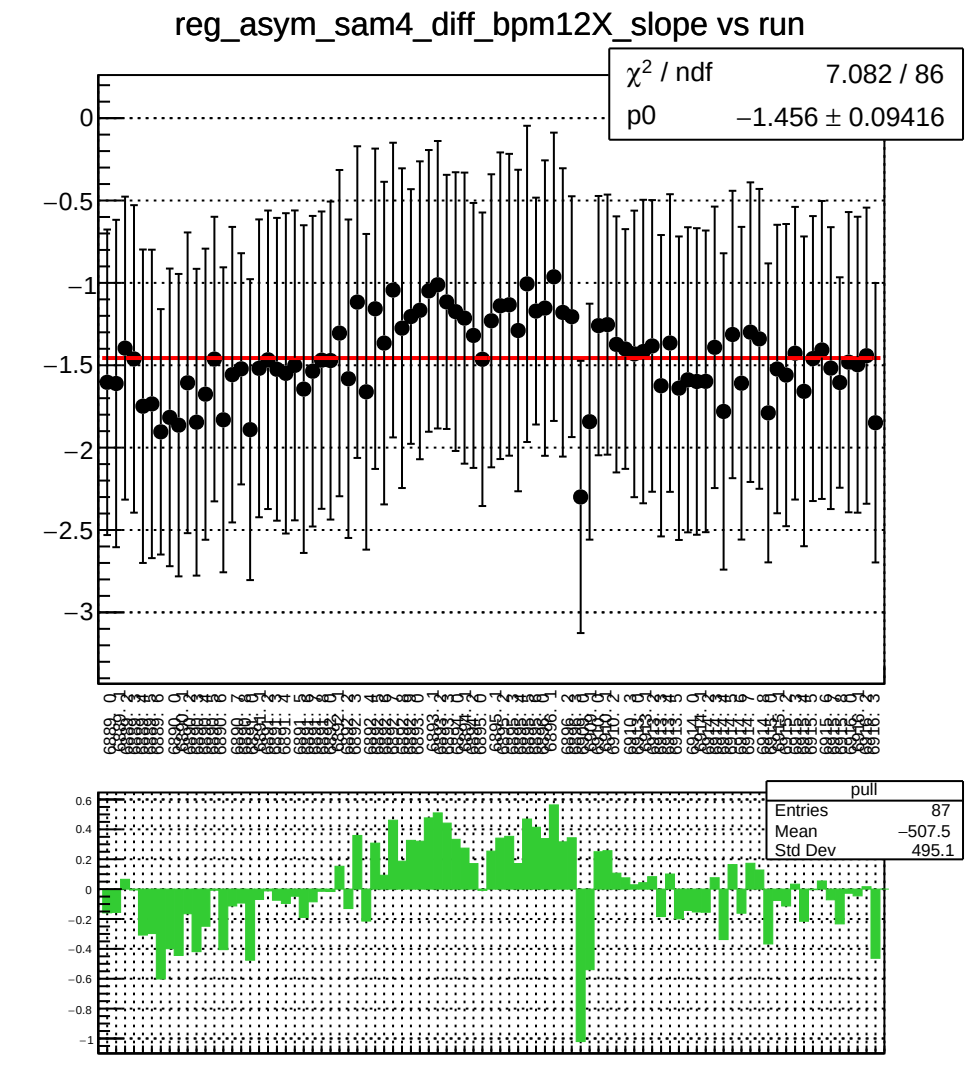

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 11.12 / 86
p0 19.55 ± 1.817
pull
Entries 87
Mean 246.7
Std Dev 184.8

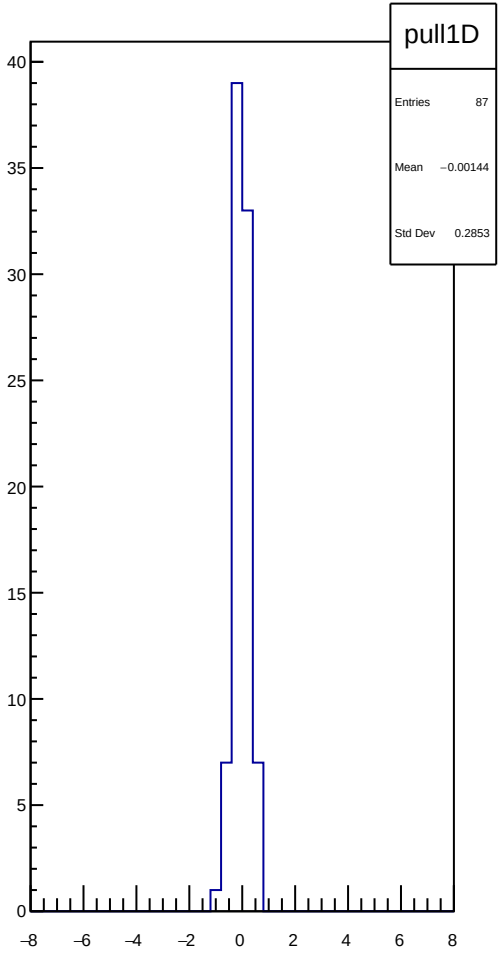

pull1D
Entries 87
Mean 0.01682
Std Dev 0.3572

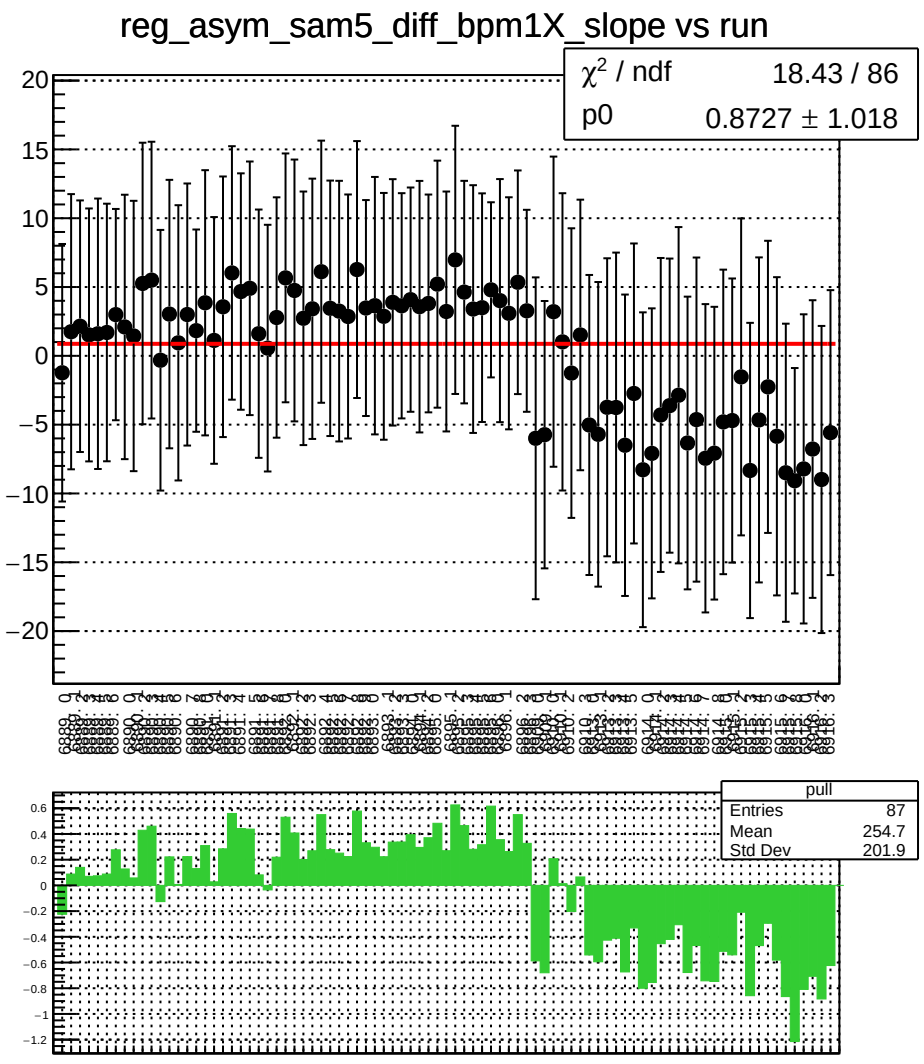

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 57.07 / 86
p0 −151.5 ± 2.314
−100
−120
−140
−160
−180
−200
pull
Entries 87
Mean 248.3
Std Dev 196.1
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.07098
Std Dev 0.8068
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

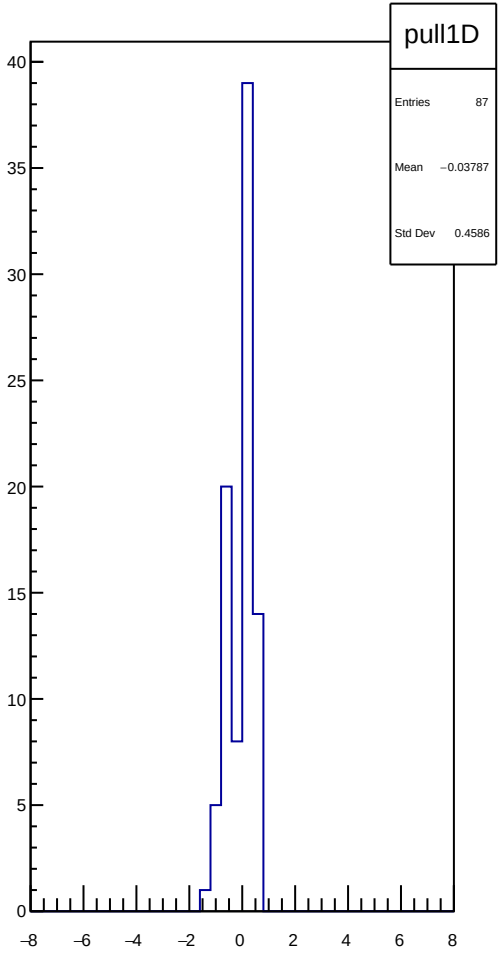

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 21.53 / 86
p0 204.6 ± 2.143
240
220
200
180
160
pull
Entries 87
Mean 550
Std Dev 490.8
1
0.5
0
−0.5
−1

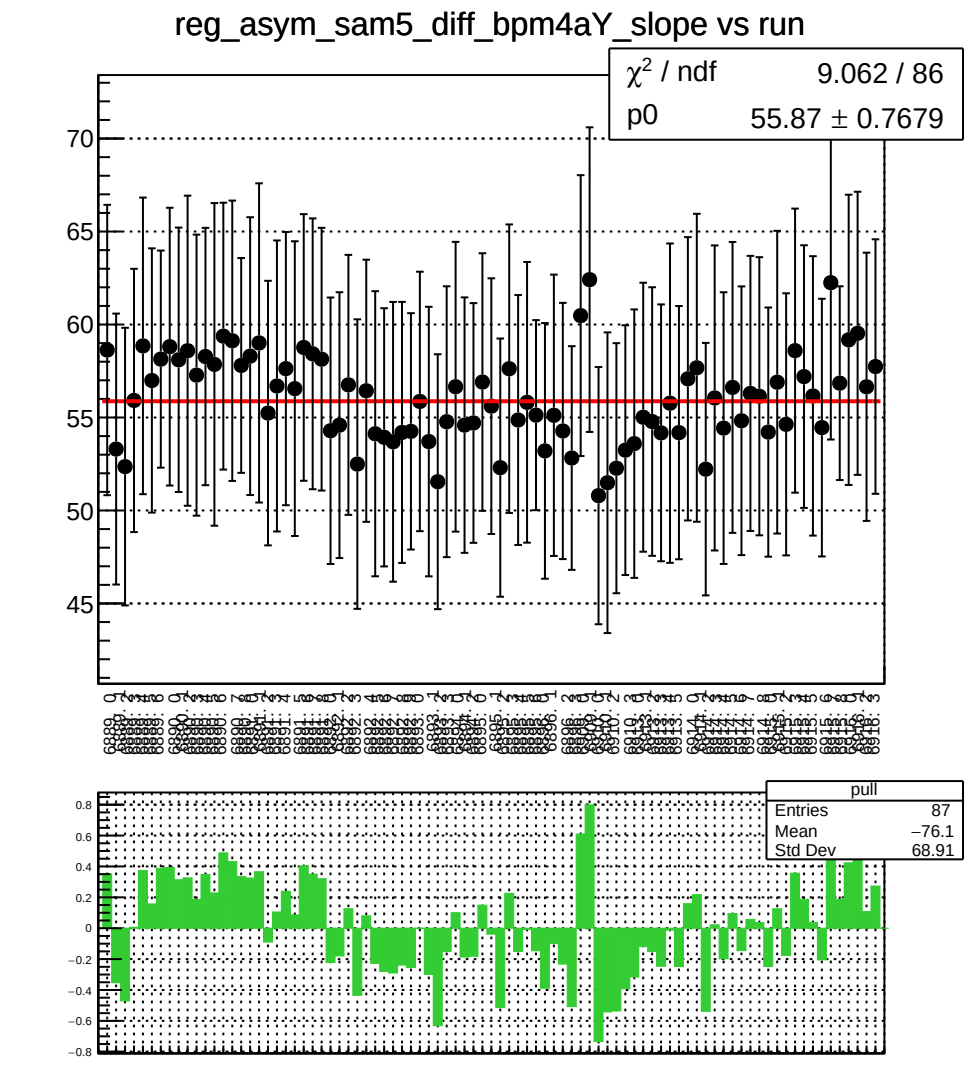

pull1D
Entries 87
Mean −0.01082
Std Dev 0.4973
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

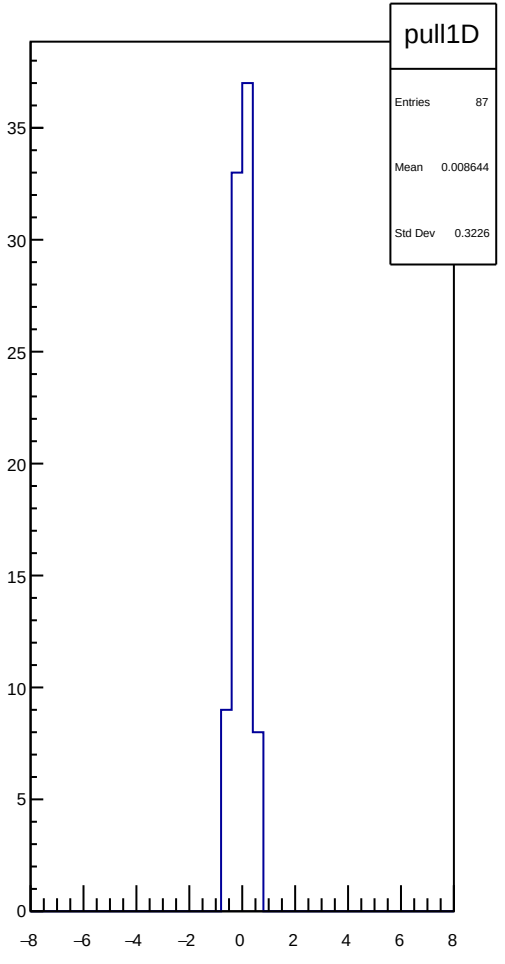

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 7.082 / 86
p0 −1.456 ± 0.09416
pull
Entries 87
Mean −507.5
Std Dev 495.1

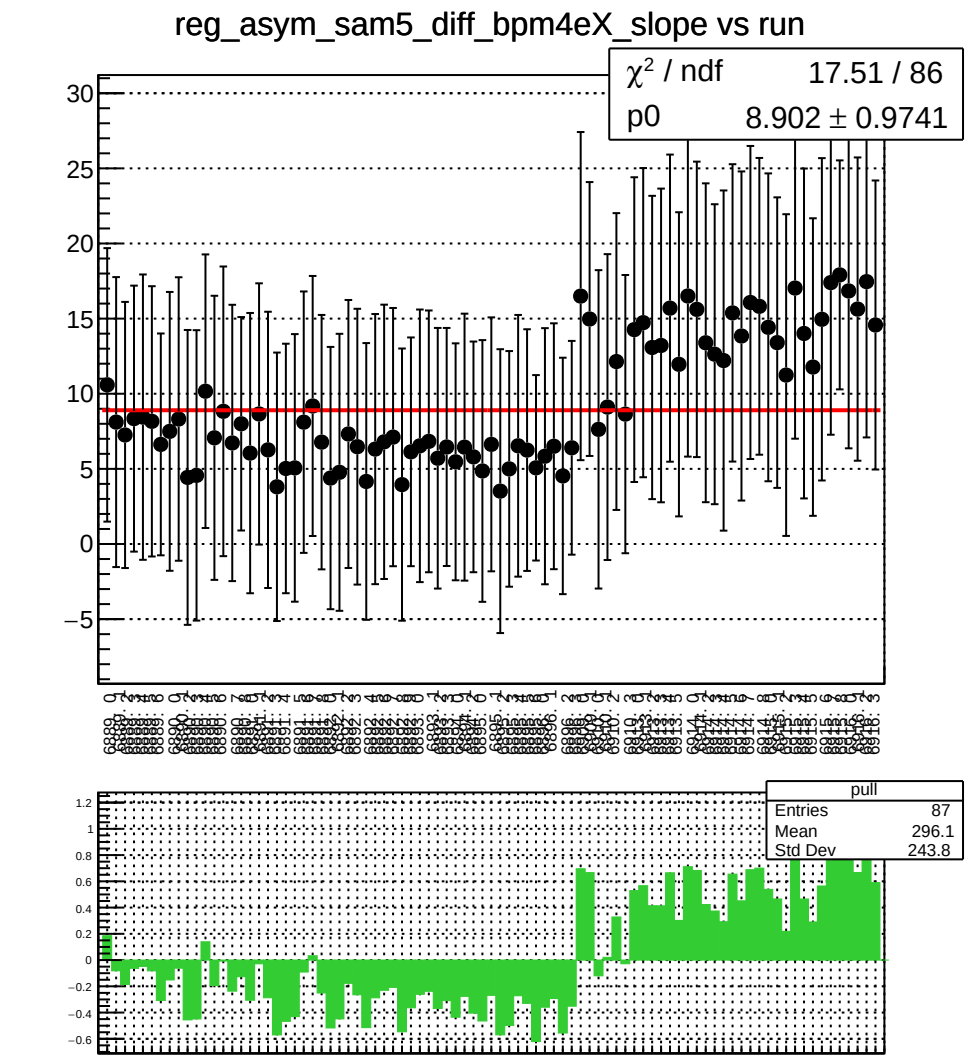

pull1D
Entries 87
Mean −0.00144
Std Dev 0.2853

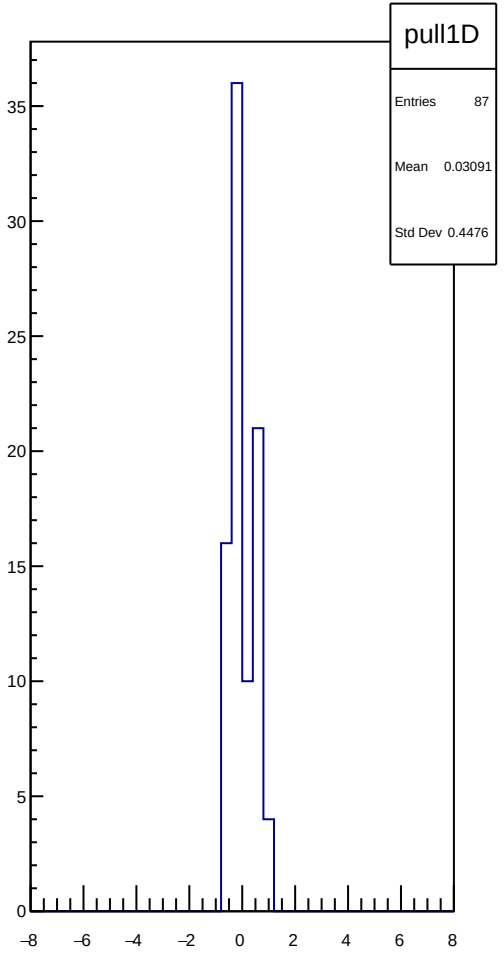

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 18.43 / 86
p0 0.8727 ± 1.018
pull
Entries 87
Mean 254.7
Std Dev 201.9

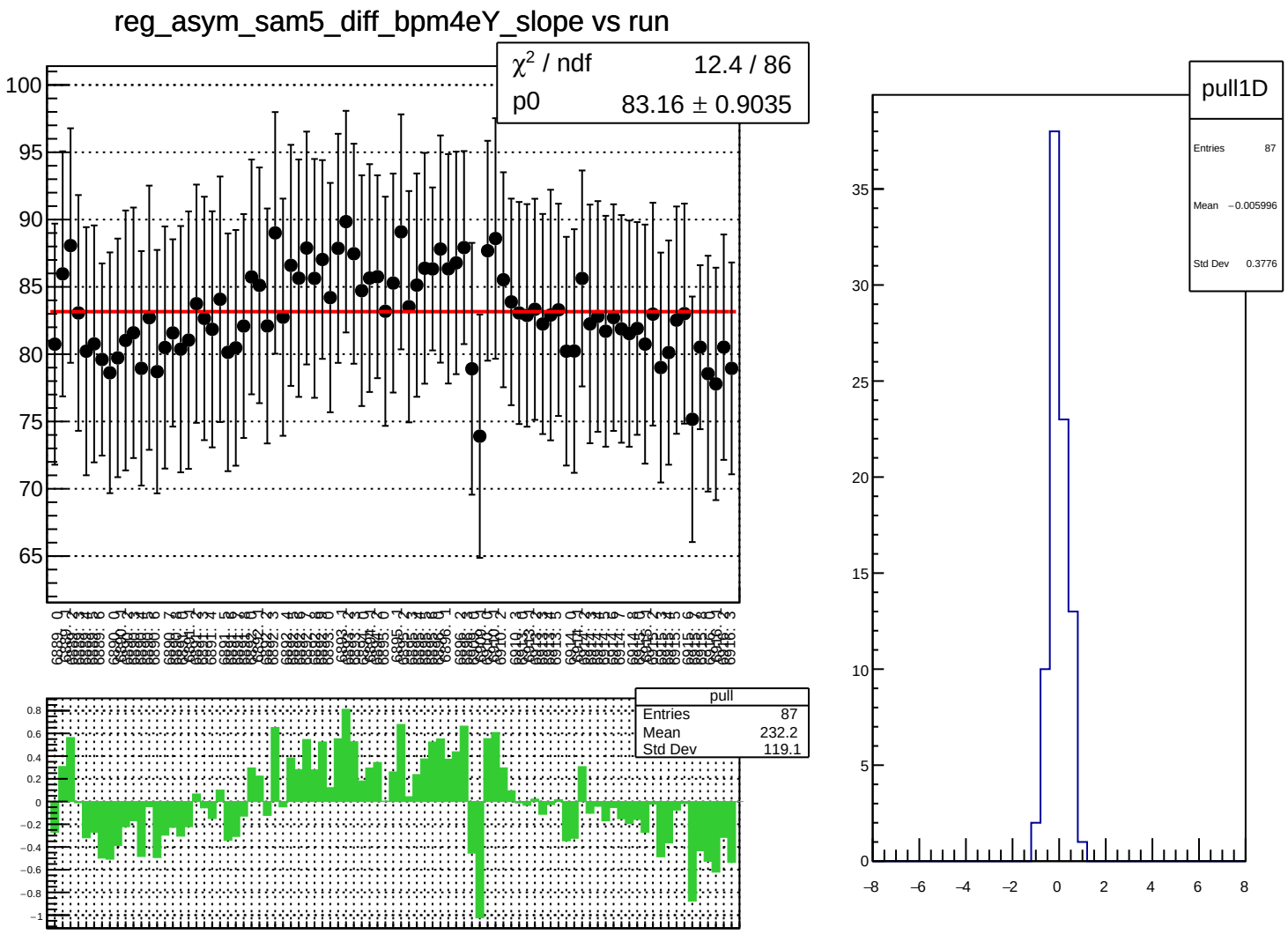

pull1D
Entries 87
Mean −0.03787
Std Dev 0.4586

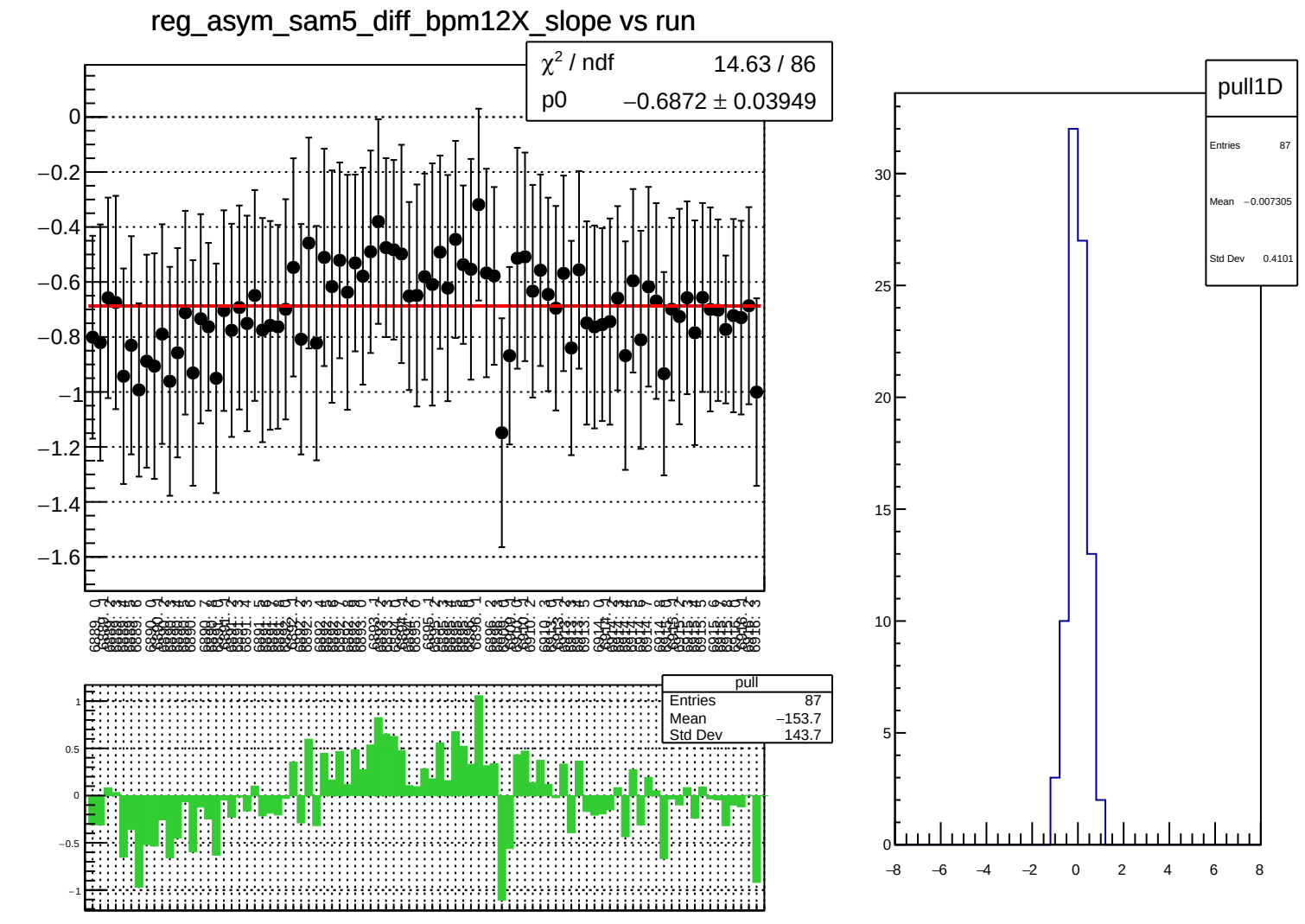

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 9.062 / 86
p0 55.87 ± 0.7679
70
65
60
55
50
45
pull
Entries 87
Mean −76.1
Std Dev 68.91
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

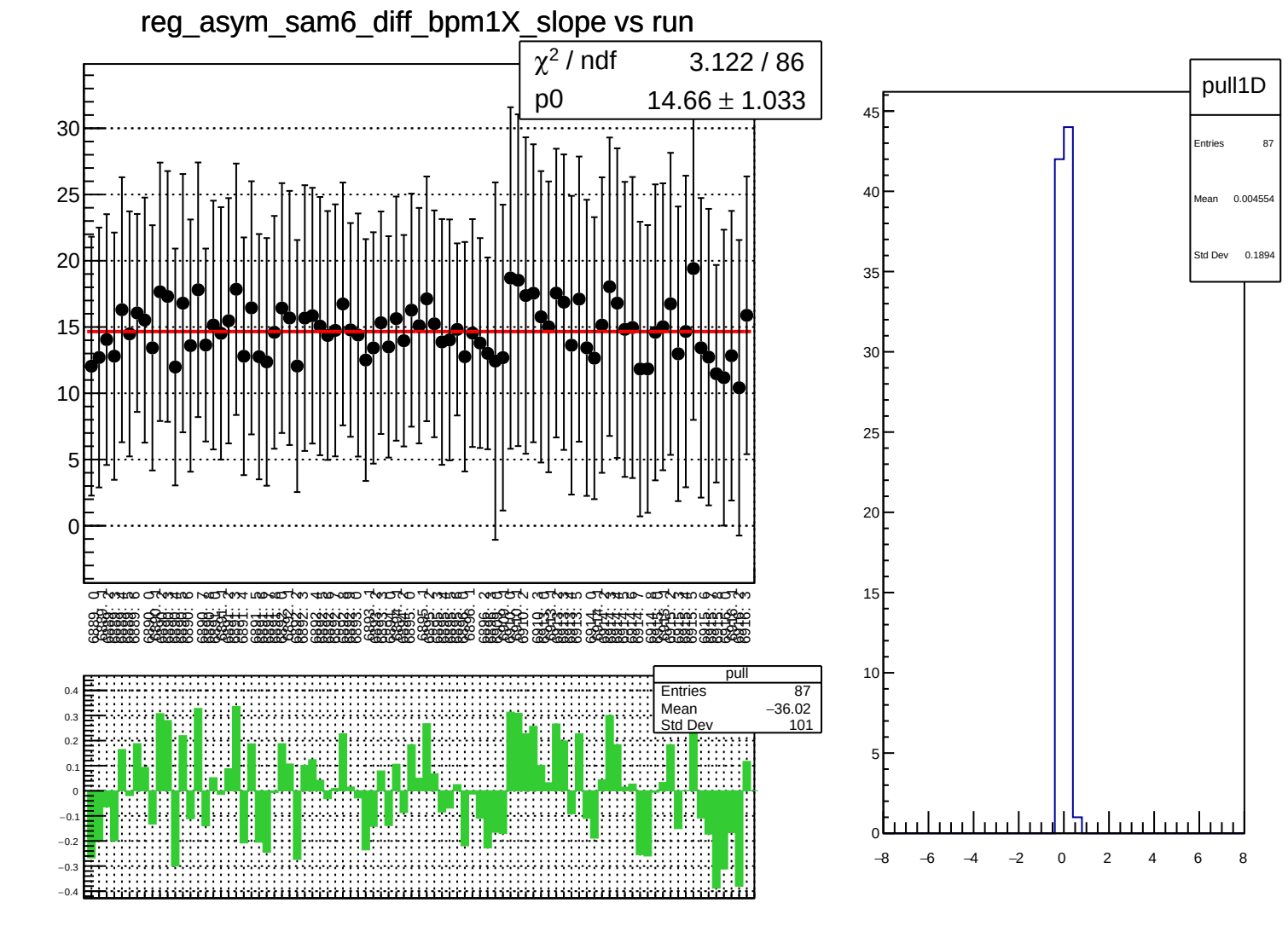

pull1D
Entries 87
Mean 0.008644
Std Dev 0.3226
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

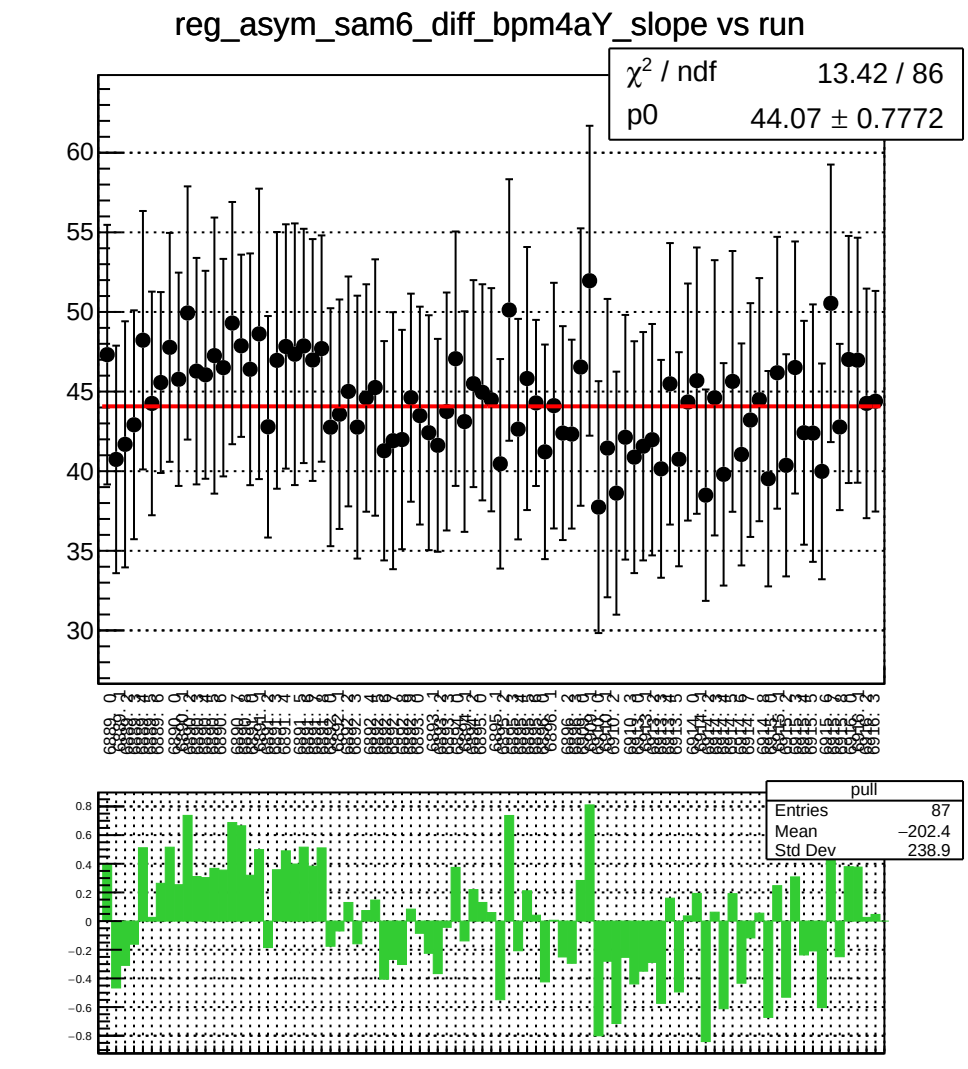

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 17.51 / 86
p0 8.902 ± 0.9741
pull
Entries 87
Mean 296.1
Std Dev 243.8

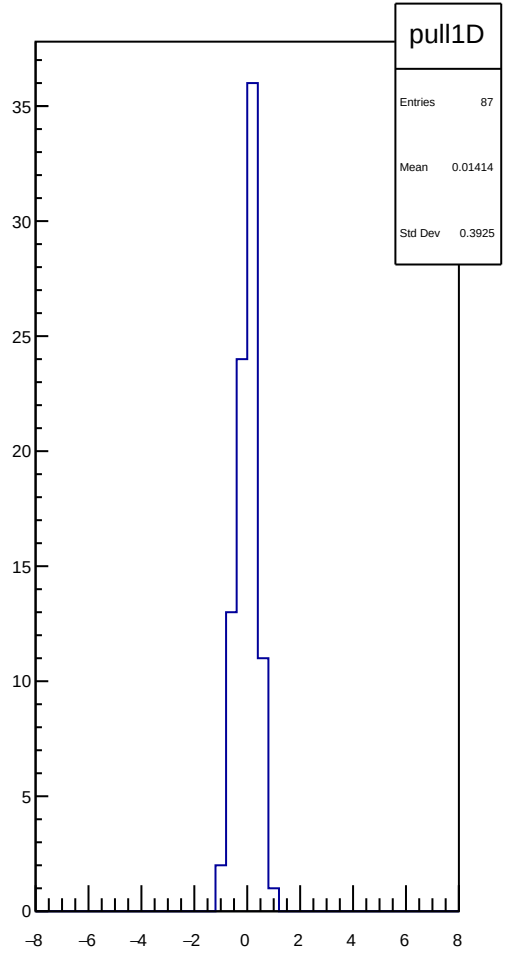

pull1D
Entries 87
Mean 0.03091
Std Dev 0.4476

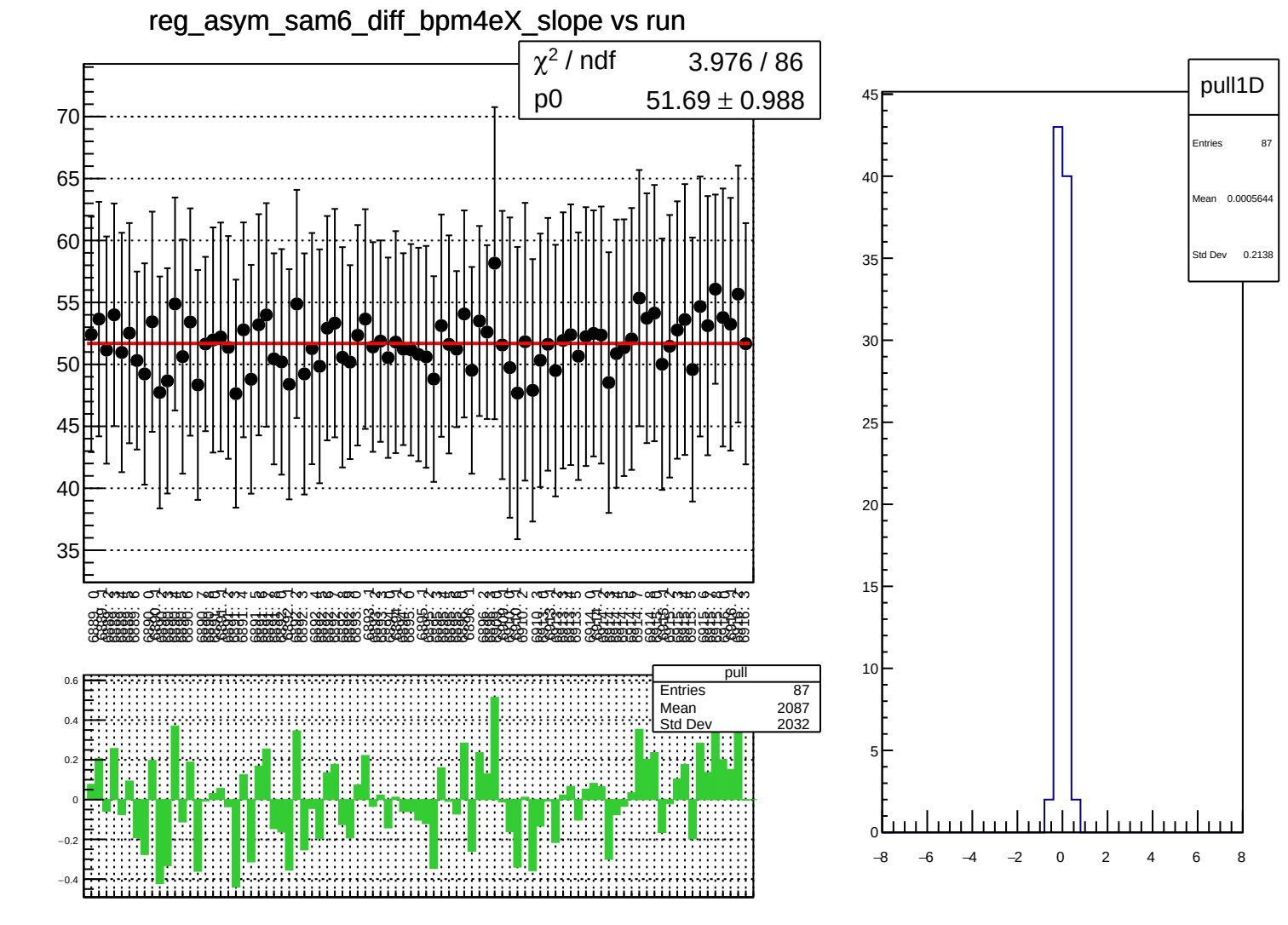

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.4 / 86
p0 83.16 ± 0.9035
pull
Entries 87
Mean 232.2
Std Dev 119.1
pull1D
Entries 87
Mean −0.005996
Std Dev 0.3776

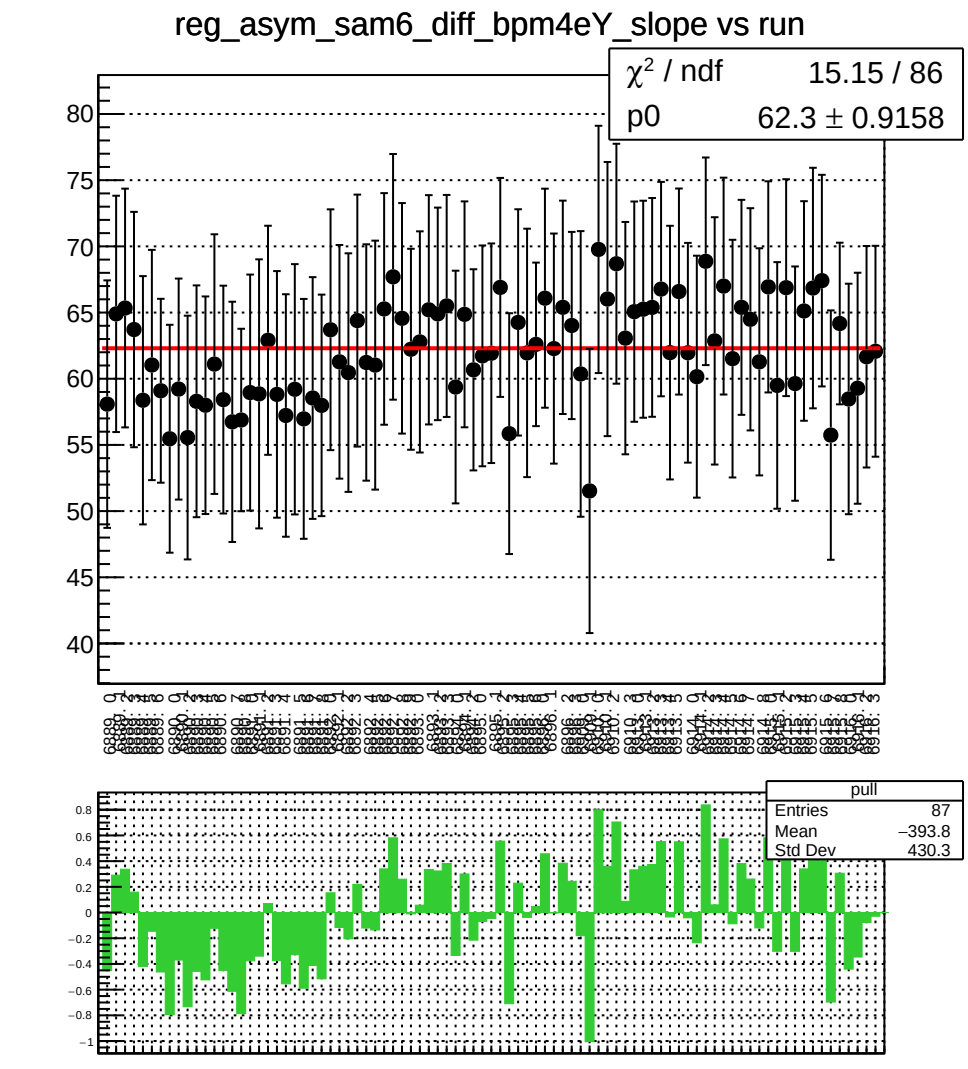

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 14.63 / 86
p0 −0.6872 ± 0.03949
pull
Entries 87
Mean −153.7
Std Dev 143.7
pull1D
Entries 87
Mean −0.007305
Std Dev 0.4101

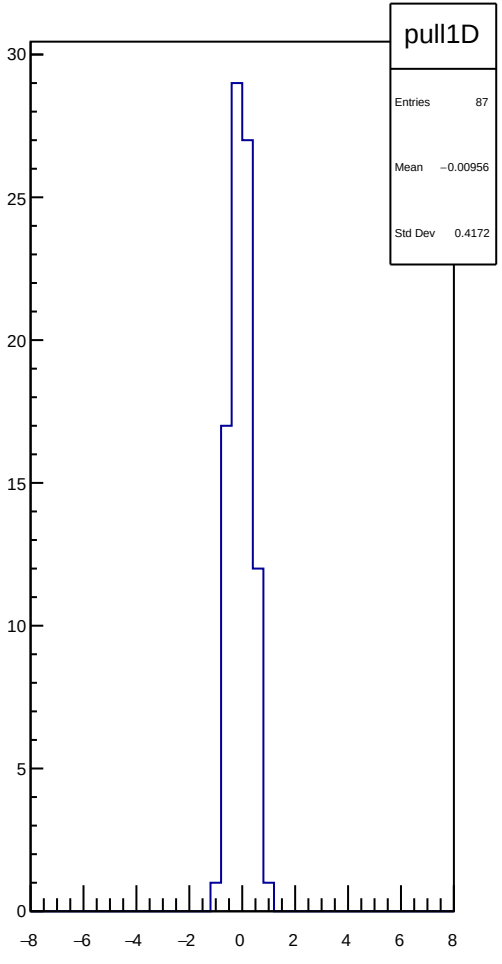

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.122 / 86
p0 14.66 ± 1.033
pull
Entries 87
Mean −36.02
Std Dev 101
pull1D
Entries 87
Mean 0.004554
Std Dev 0.1894

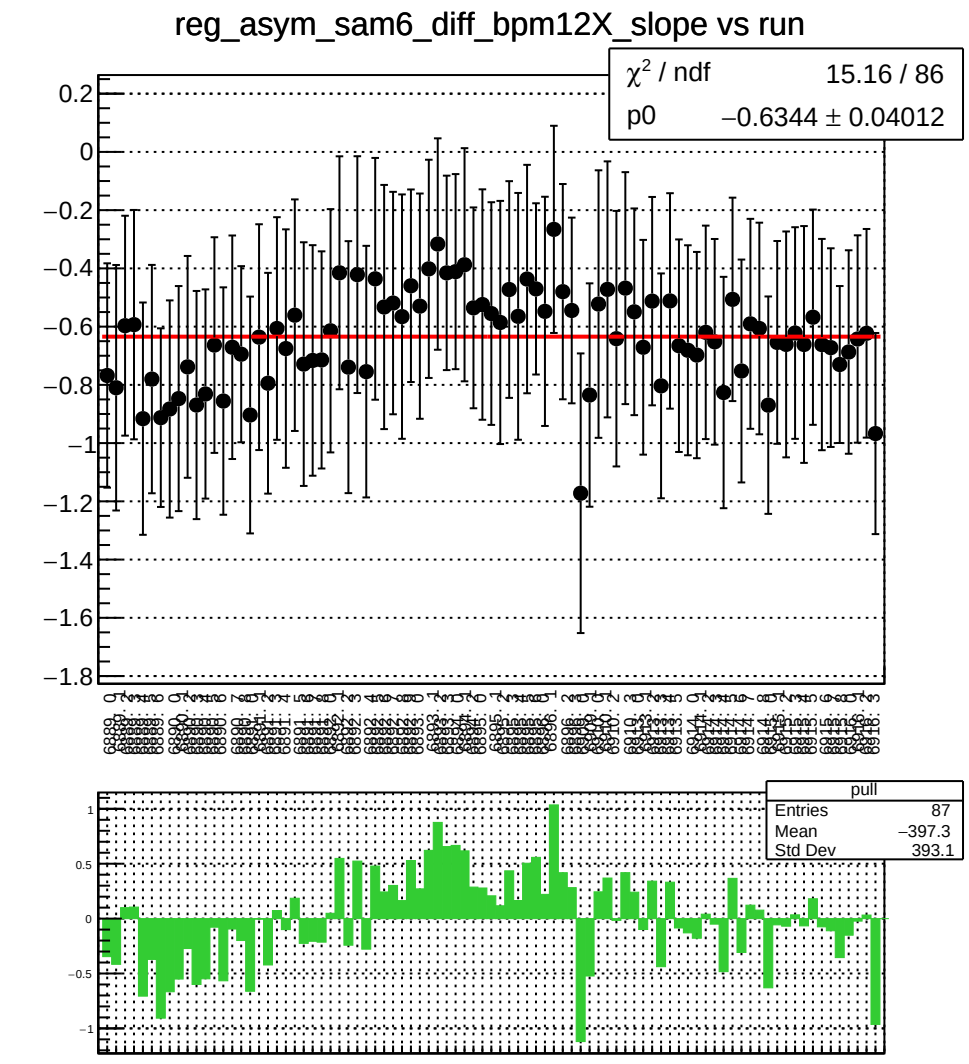

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 13.42 / 86
p0 44.07 ± 0.7772
pull
Entries 87
Mean −202.4
Std Dev 238.9

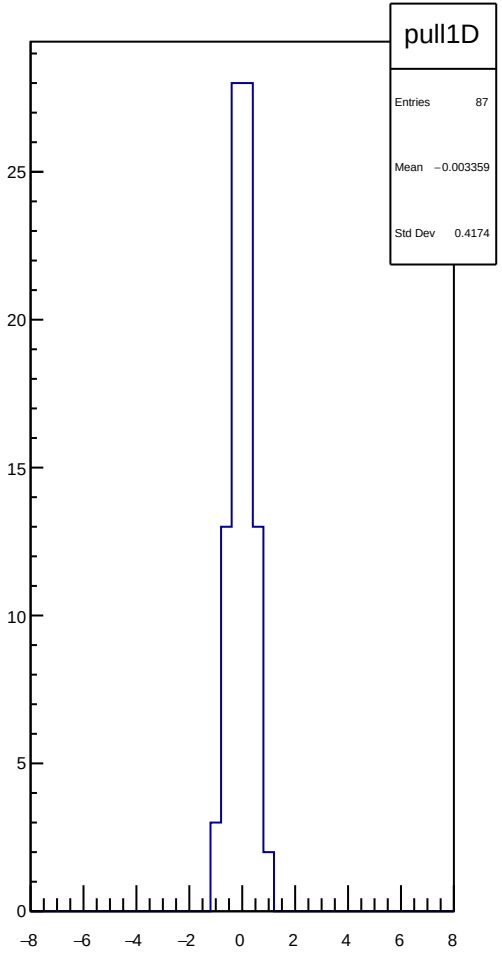

pull1D
Entries 87
Mean 0.01414
Std Dev 0.3925

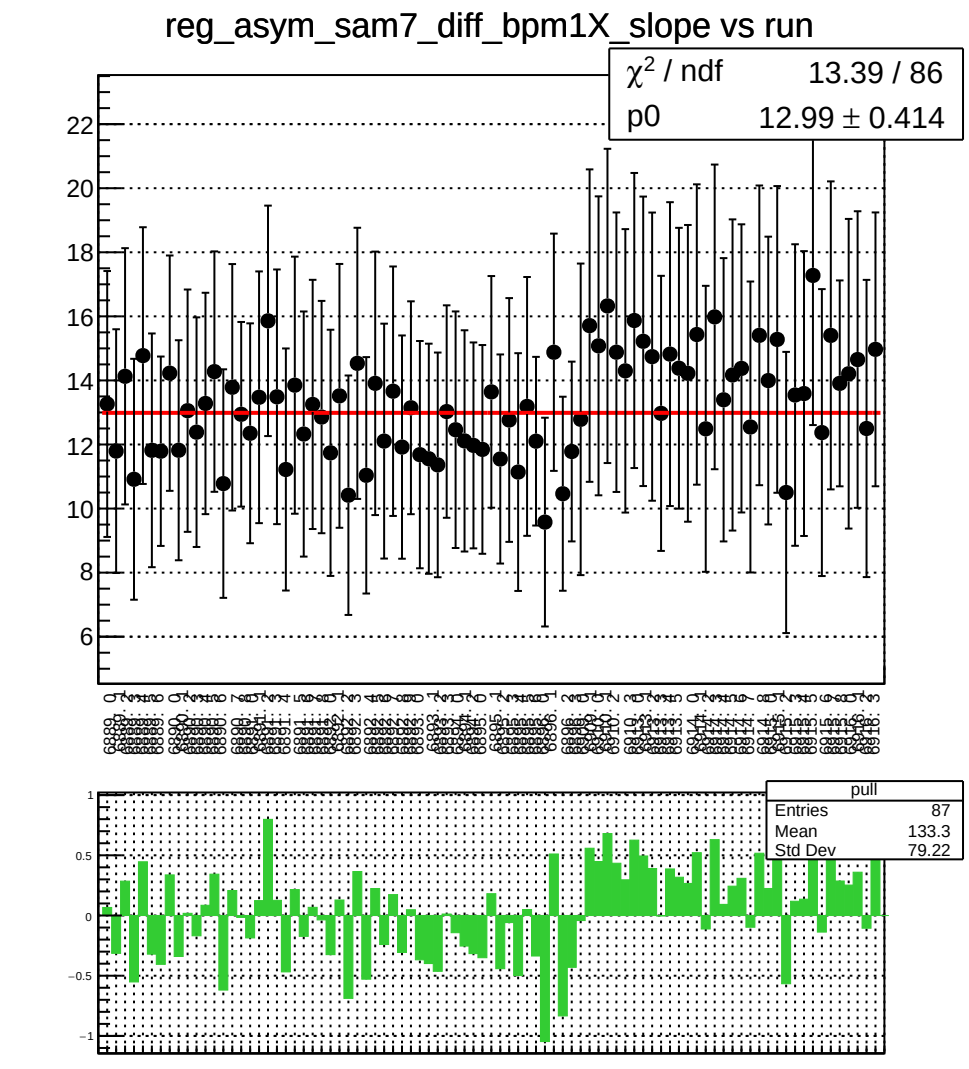

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.976 / 86
p0 51.69 ± 0.988
pull
Entries 87
Mean 2087
Std Dev 2032
pull1D
Entries 87
Mean 0.0005644
Std Dev 0.2138

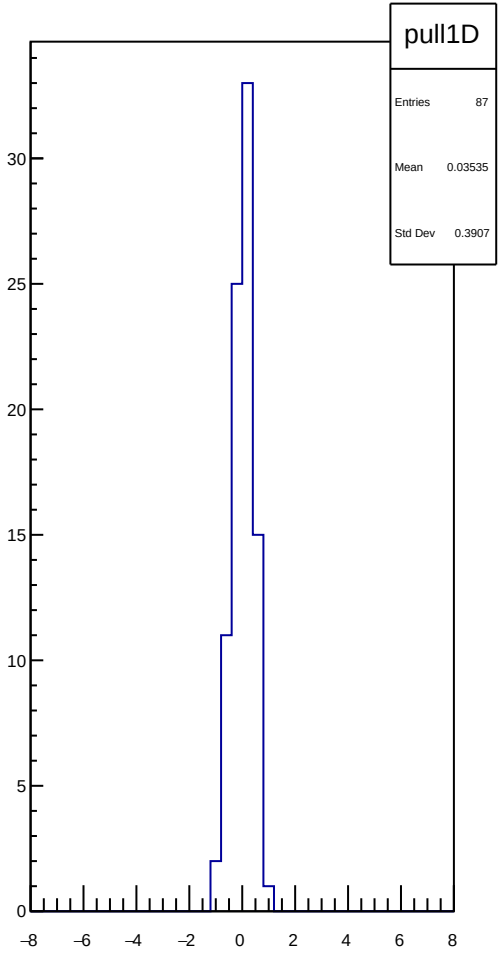

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 15.15 / 86
p0 62.3 ± 0.9158
pull
Entries 87
Mean −393.8
Std Dev 430.3

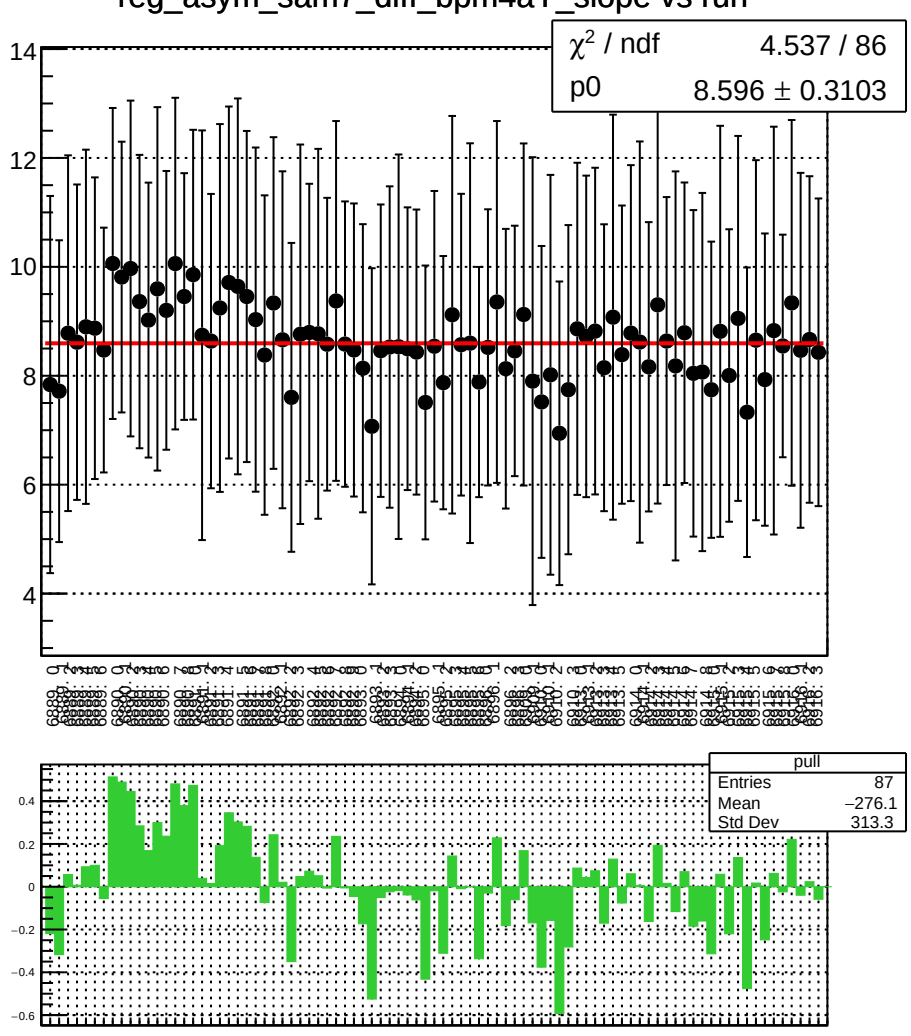

pull1D
Entries 87
Mean −0.00956
Std Dev 0.4172

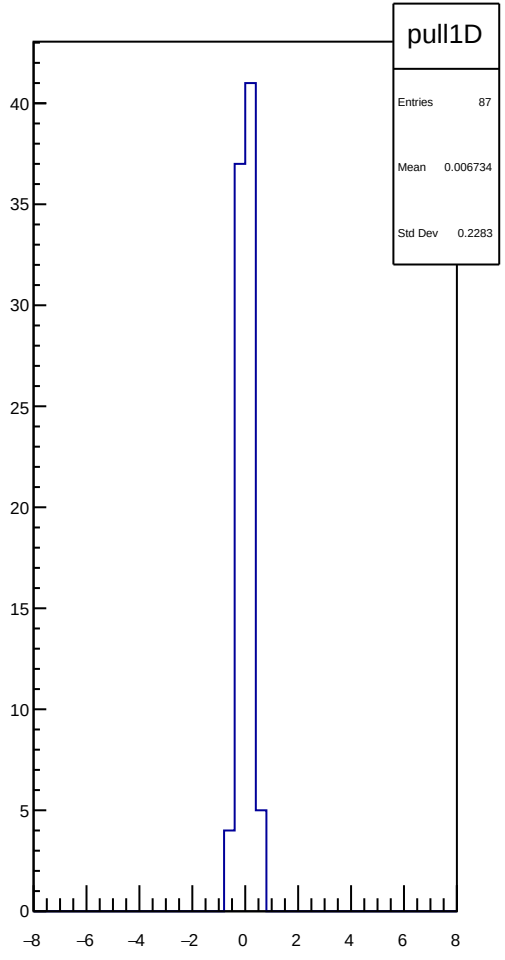

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 15.16 / 86
p0 −0.6344 ± 0.04012
pull
Entries 87
Mean −397.3
Std Dev 393.1

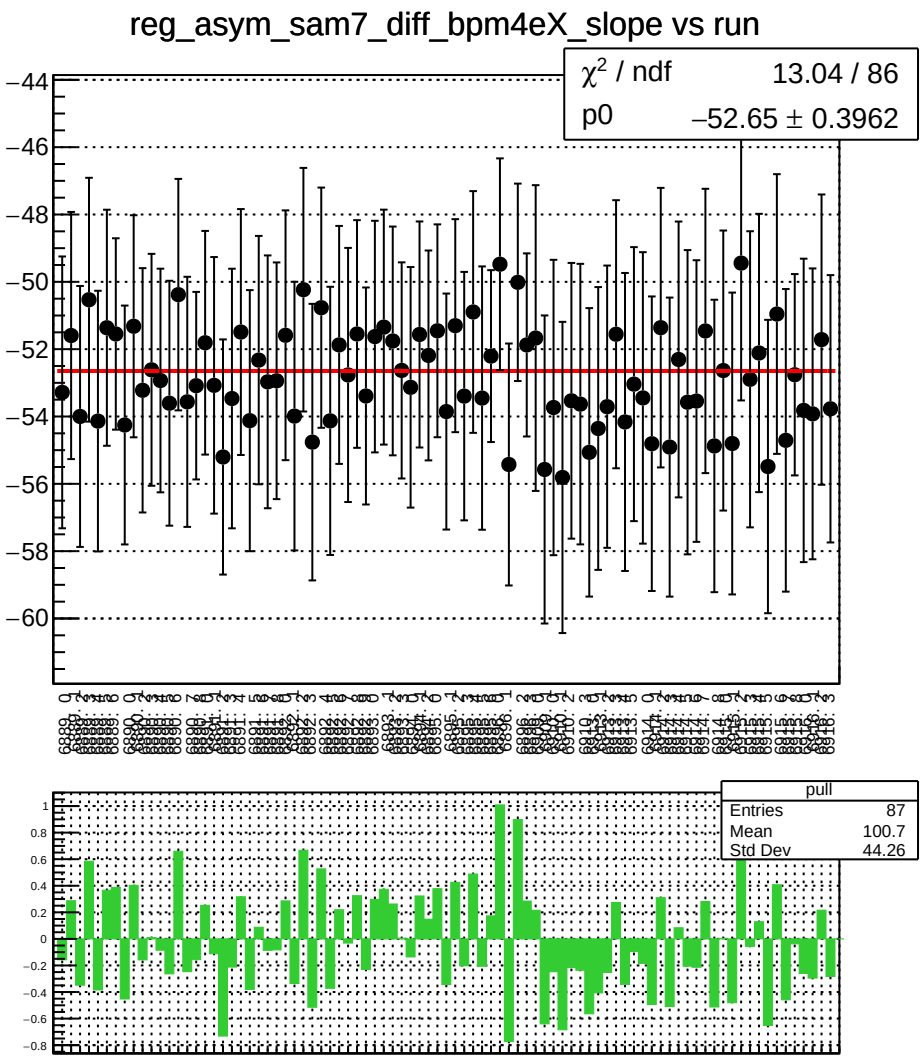

pull1D
Entries 87
Mean −0.003359
Std Dev 0.4174

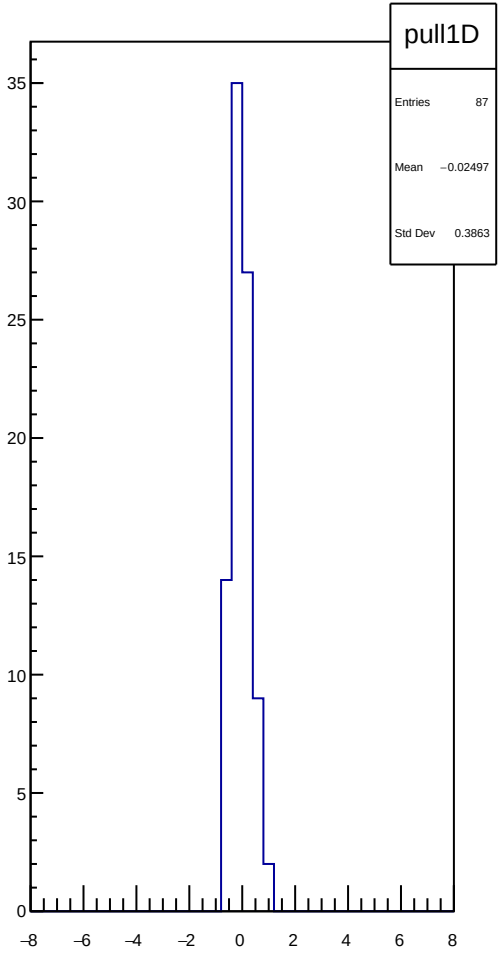

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 13.39 / 86
p0 12.99 ± 0.414
pull
Entries 87
Mean 133.3
Std Dev 79.22

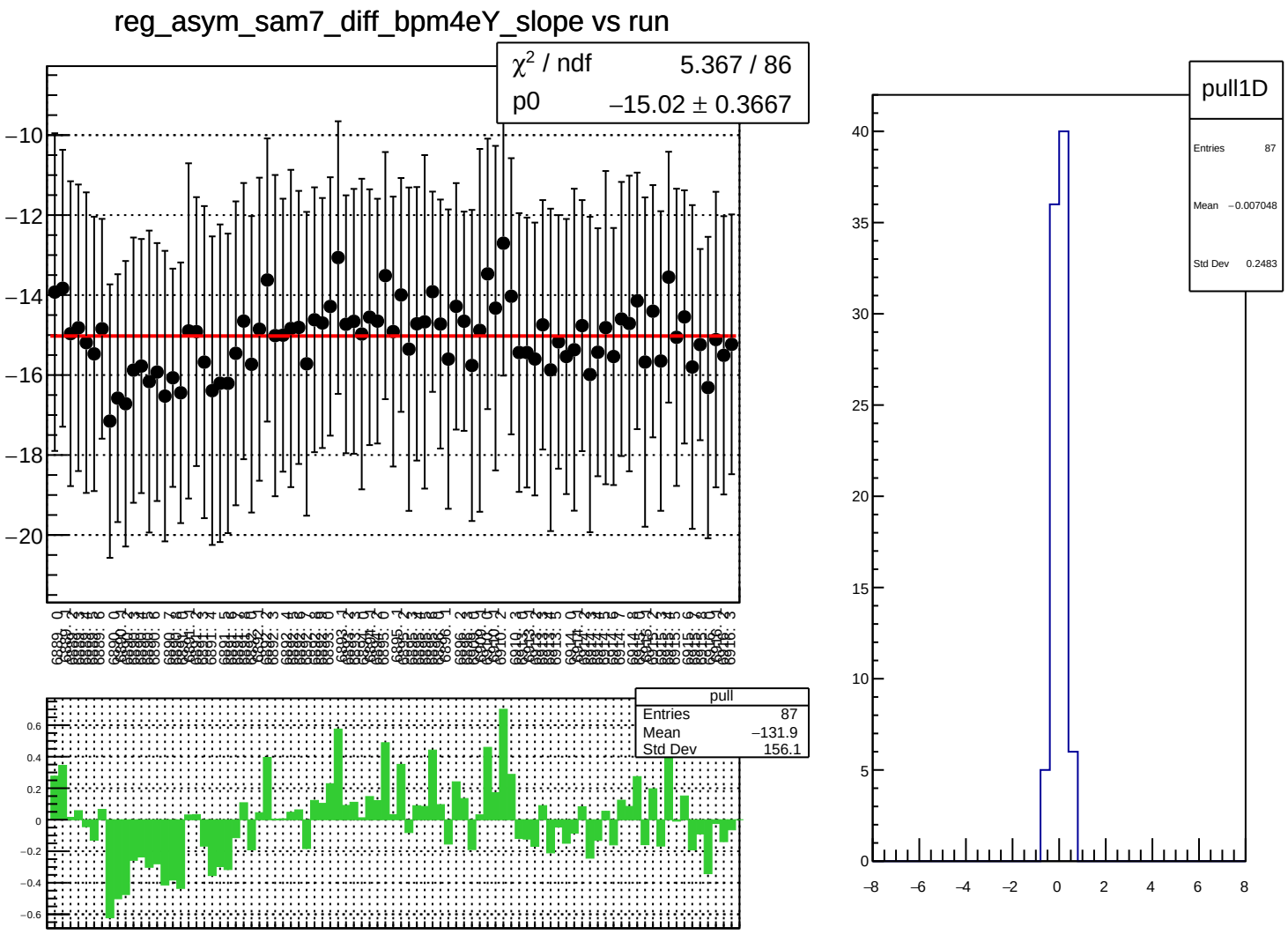

pull1D
Entries 87
Mean 0.03535
Std Dev 0.3907

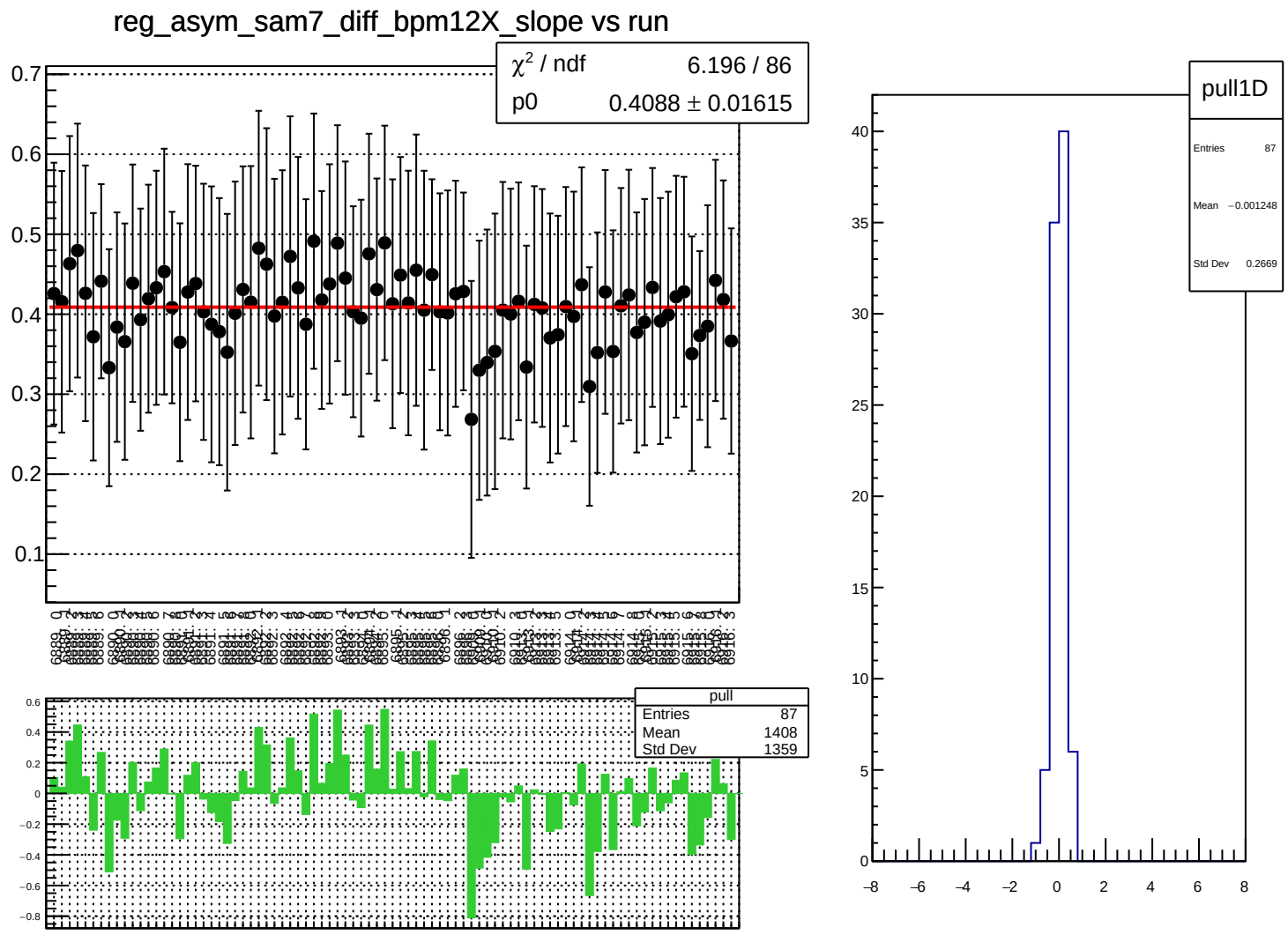

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 4.537 / 86
p0 8.596 ± 0.3103
pull
Entries 87
Mean −276.1
Std Dev 313.3

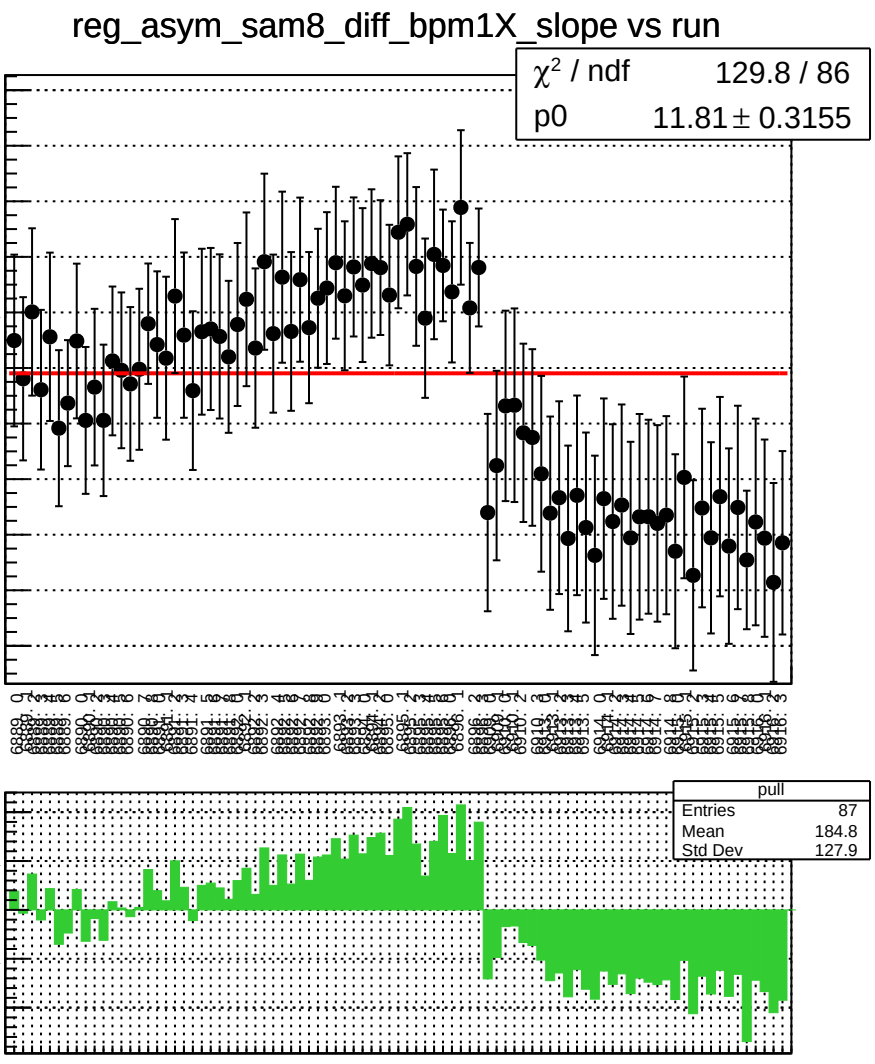

pull1D
Entries 87
Mean 0.006734
Std Dev 0.2283

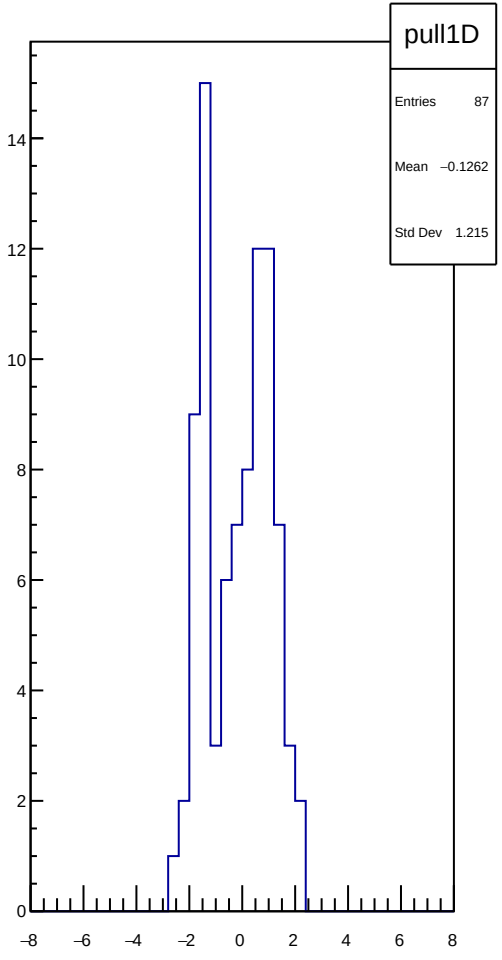

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 13.04 / 86
p0 −52.65 ± 0.3962
pull
Entries 87
Mean 100.7
Std Dev 44.26

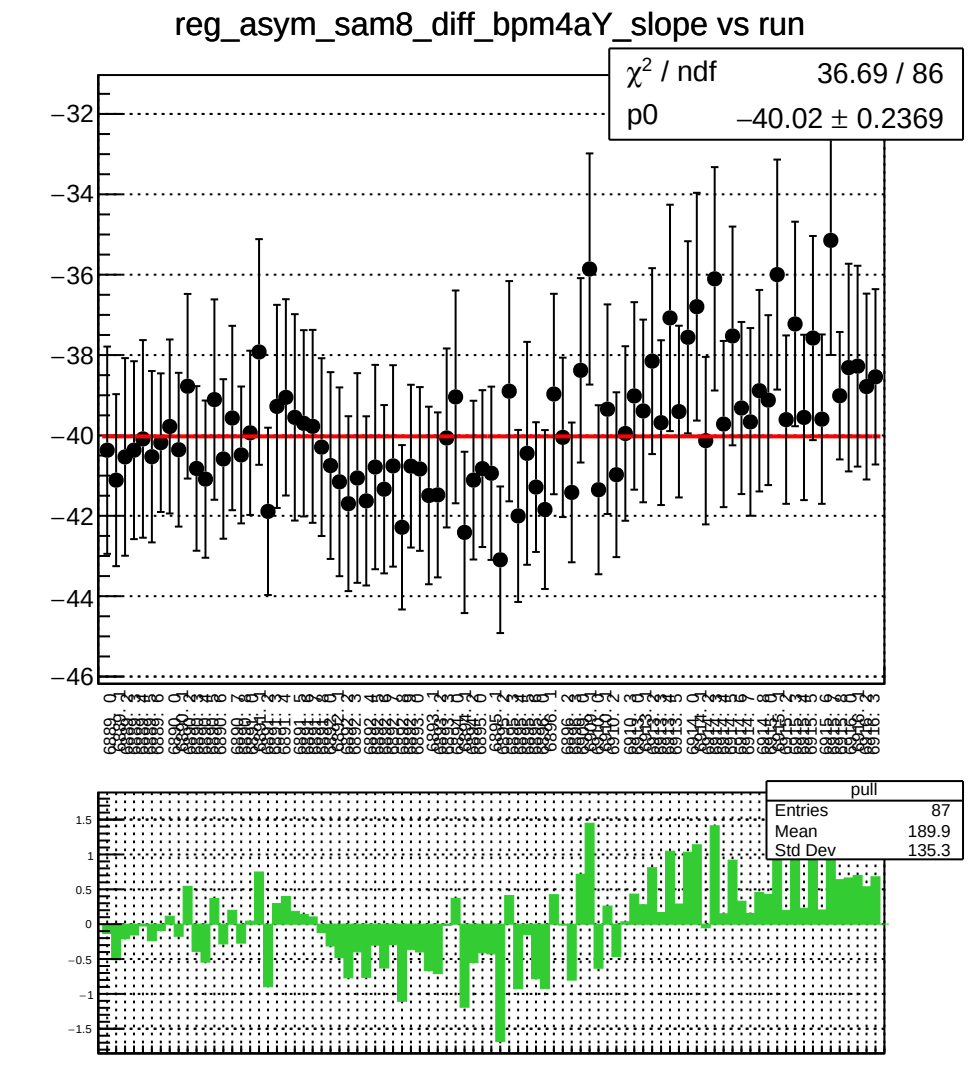

pull1D
Entries 87
Mean −0.02497
Std Dev 0.3863

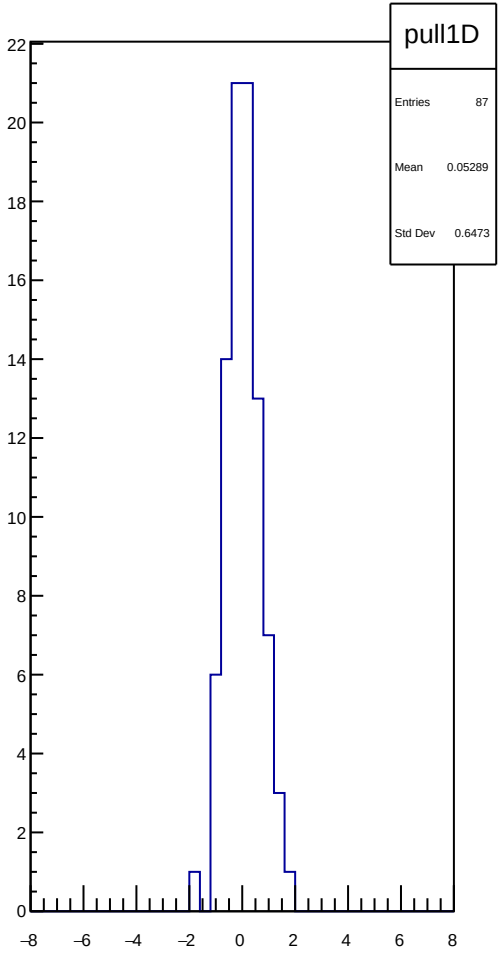

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 5.367 / 86
p0 −15.02 ± 0.3667
pull
Entries 87
Mean −131.9
Std Dev 156.1
pull1D
Entries 87
Mean −0.007048
Std Dev 0.2483

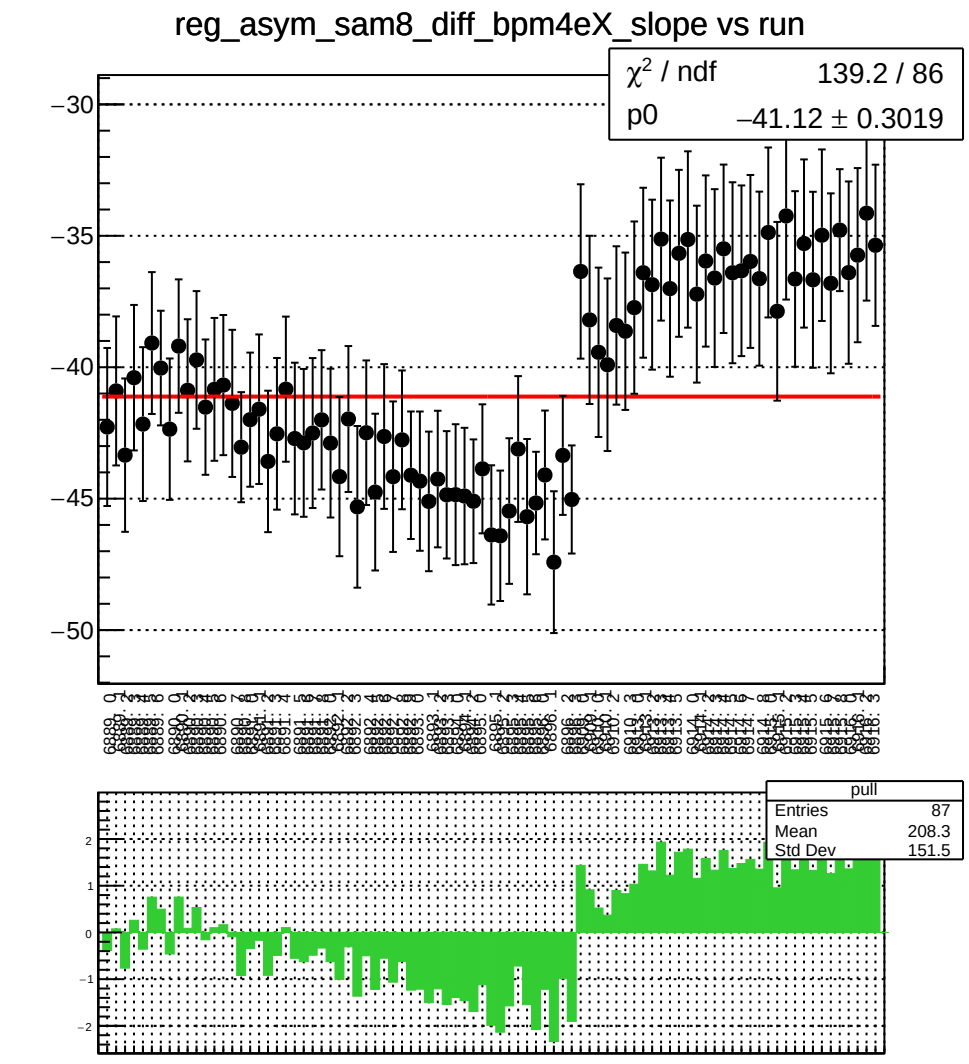

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 6.196 / 86
p0 0.4088 ± 0.01615
pull
Entries 87
Mean 1408
Std Dev 1359
pull1D
Entries 87
Mean −0.001248
Std Dev 0.2669

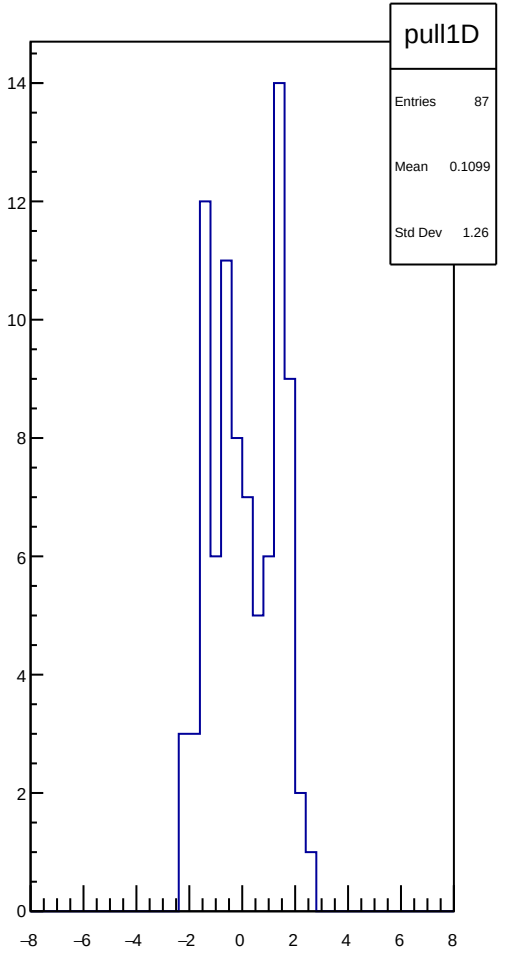

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 129.8 / 86
p0 11.81 ± 0.3155
pull
Entries 87
Mean 184.8
Std Dev 127.9

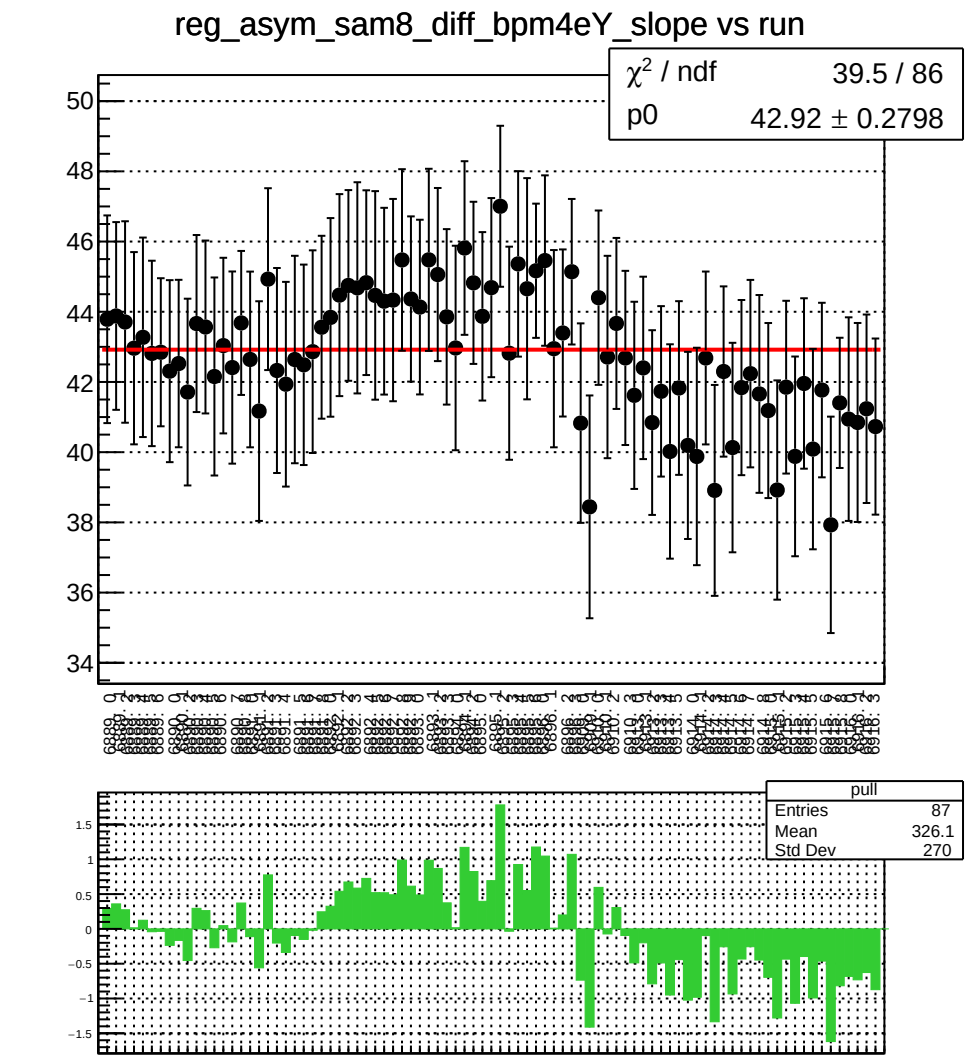

pull1D
Entries 87
Mean −0.1262
Std Dev 1.215

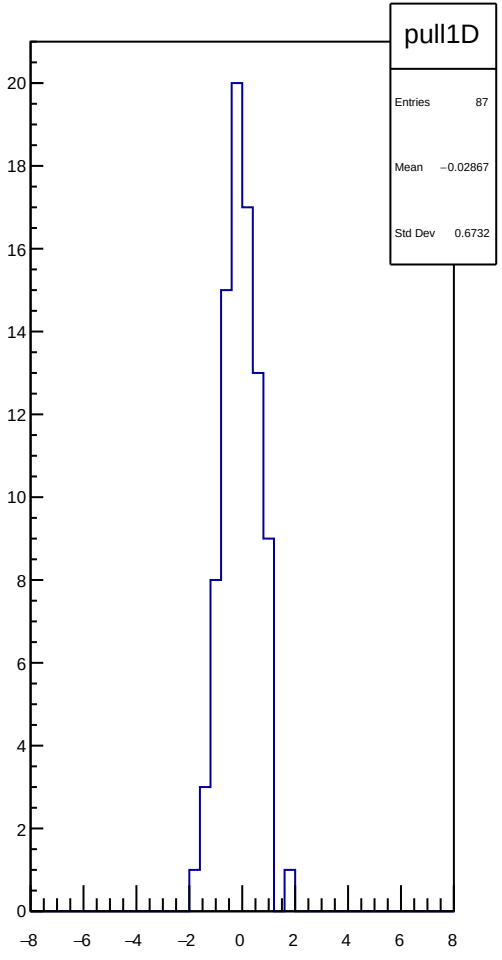

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 36.69 / 86
p0 −40.02 ± 0.2369
pull
Entries 87
Mean 189.9
Std Dev 135.3

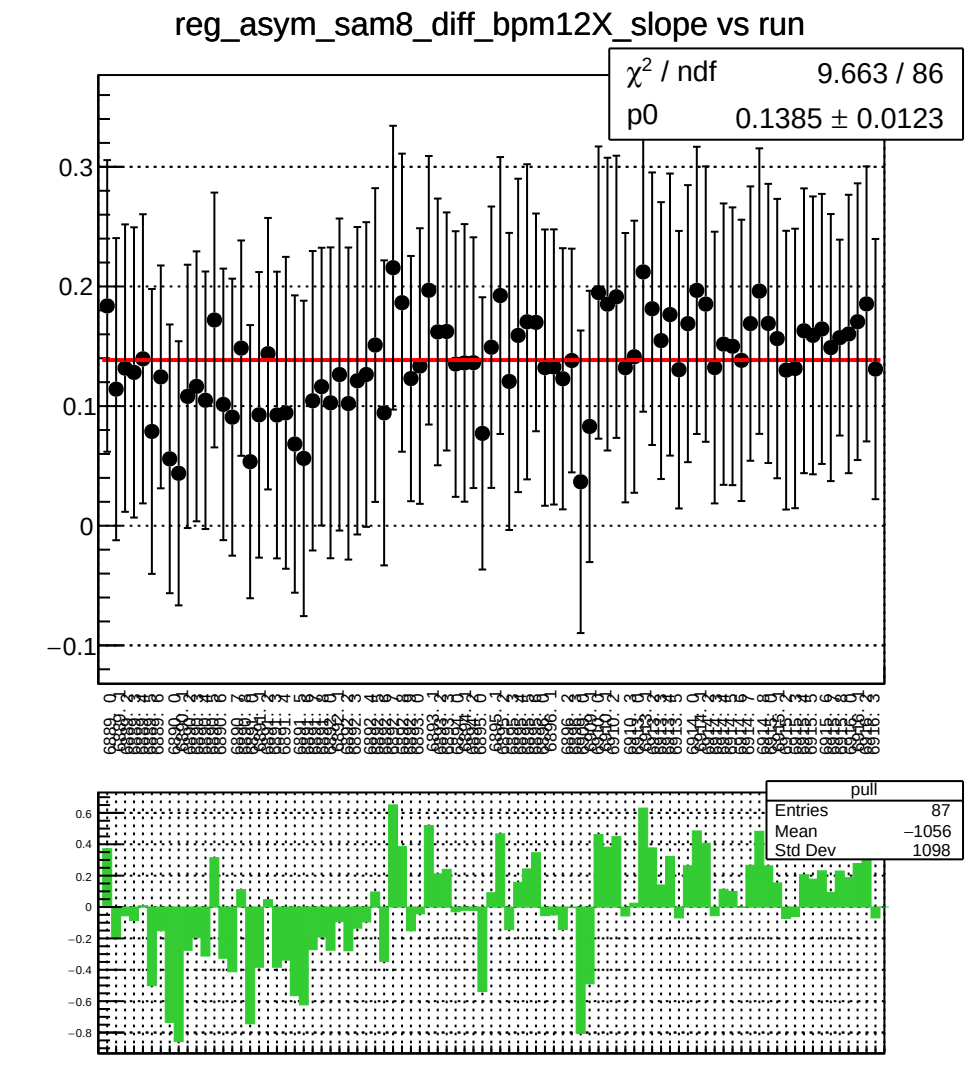

pull1D
Entries 87
Mean 0.05289
Std Dev 0.6473

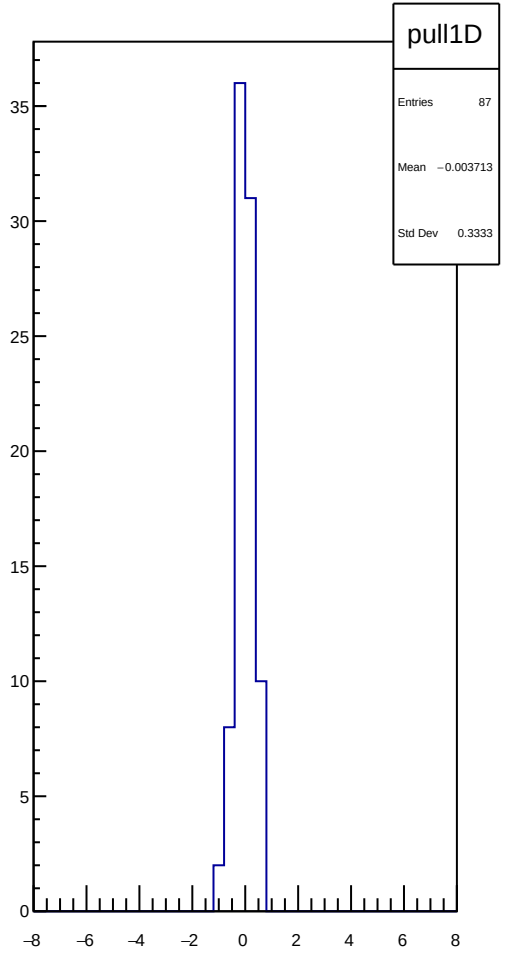

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 139.2 / 86
p0 −41.12 ± 0.3019
−30
−35
−40
−45
−50
pull
Entries 87
Mean 208.3
Std Dev 151.5
2
1
0
−1
−2

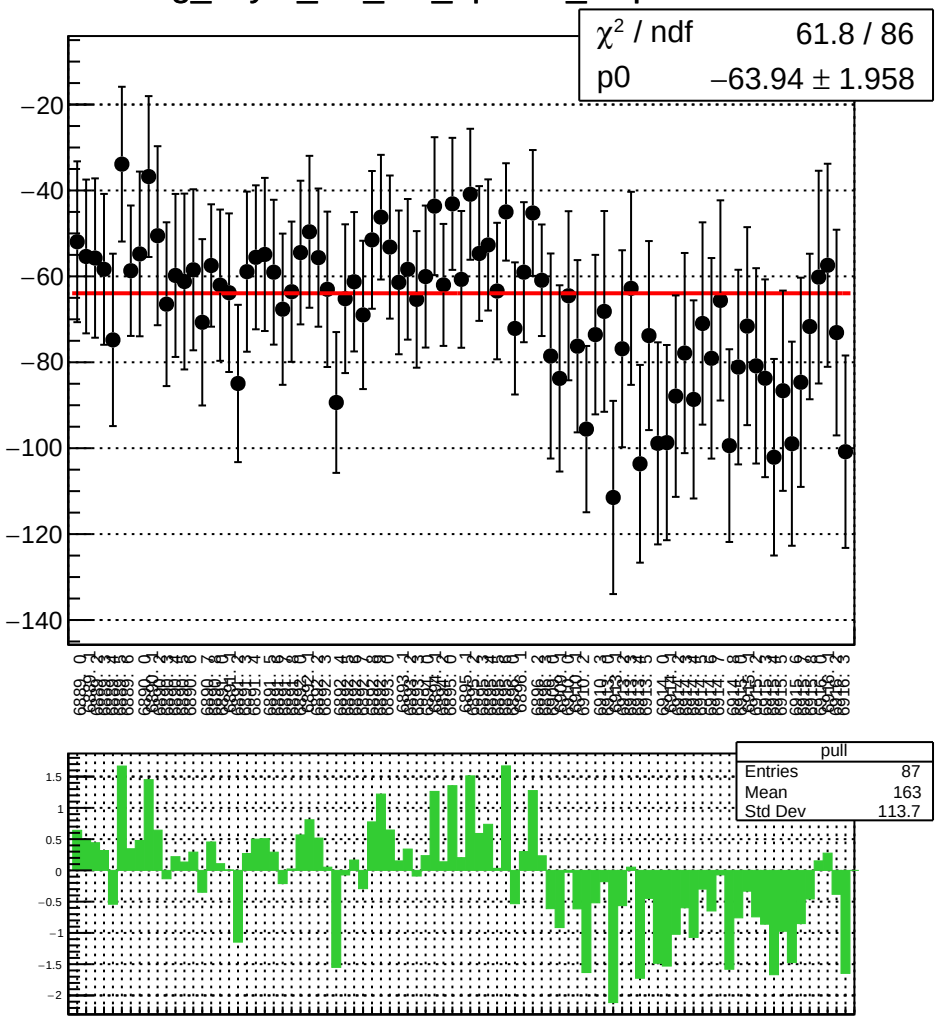

pull1D
Entries 87
Mean 0.1099
Std Dev 1.26
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

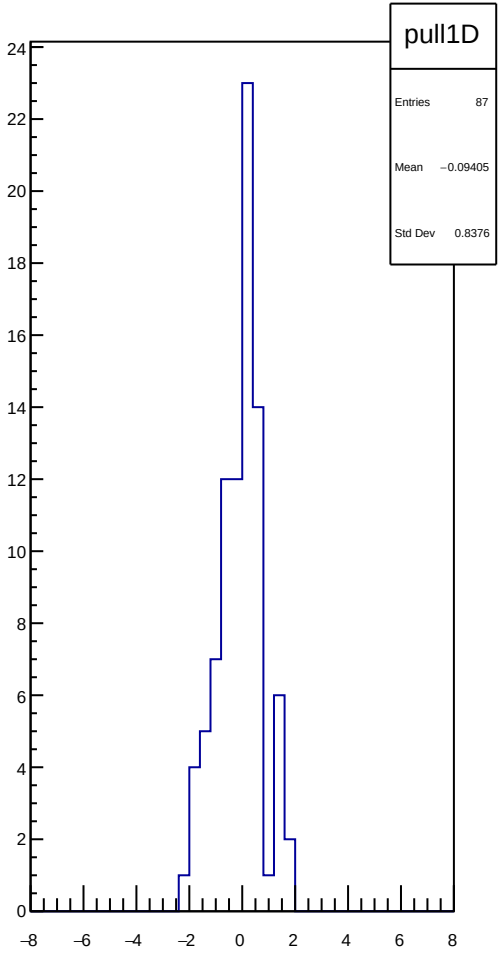

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 39.5 / 86
p0 42.92 ± 0.2798
pull
Entries 87
Mean 326.1
Std Dev 270

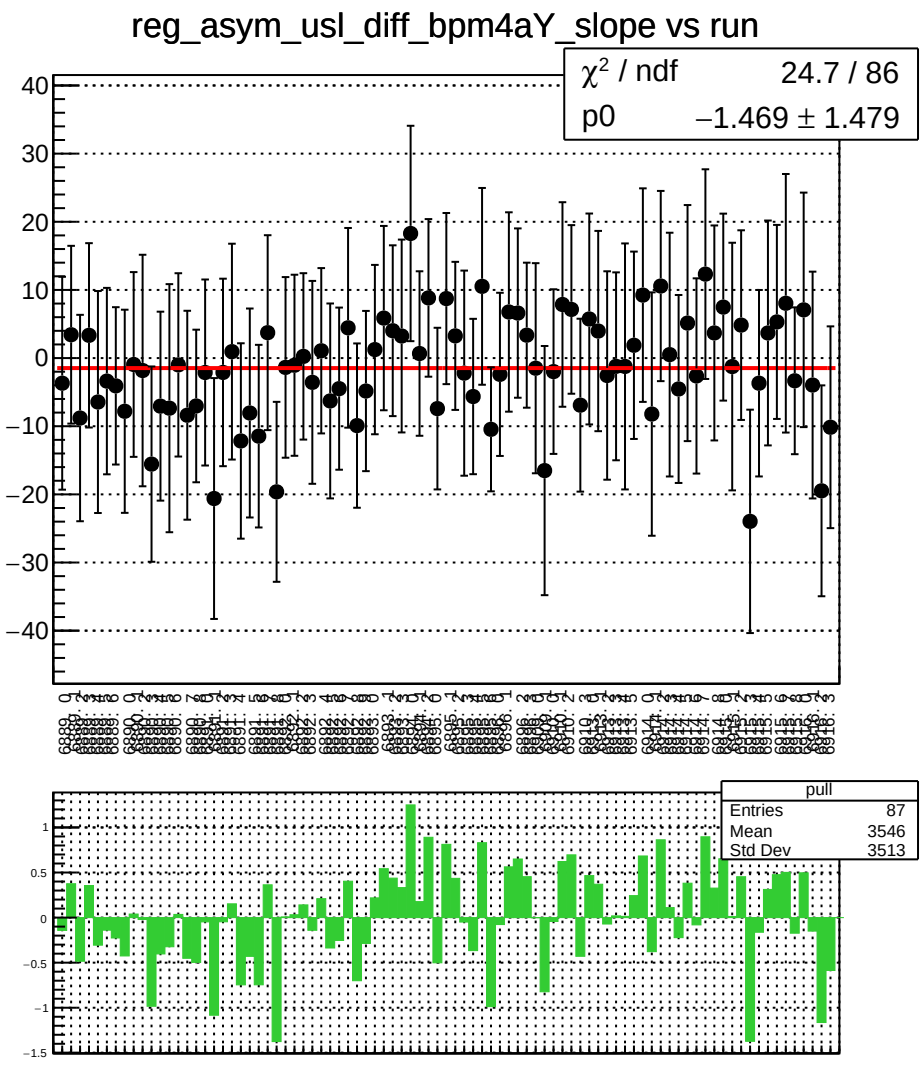

pull1D
Entries 87
Mean −0.02867
Std Dev 0.6732

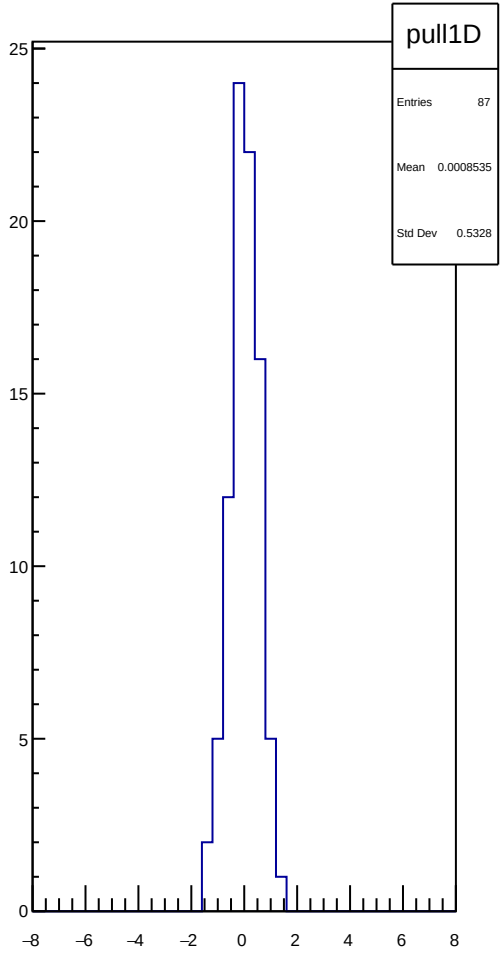

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 9.663 / 86
p0 0.1385 ± 0.0123
pull
Entries 87
Mean −1056
Std Dev 1098

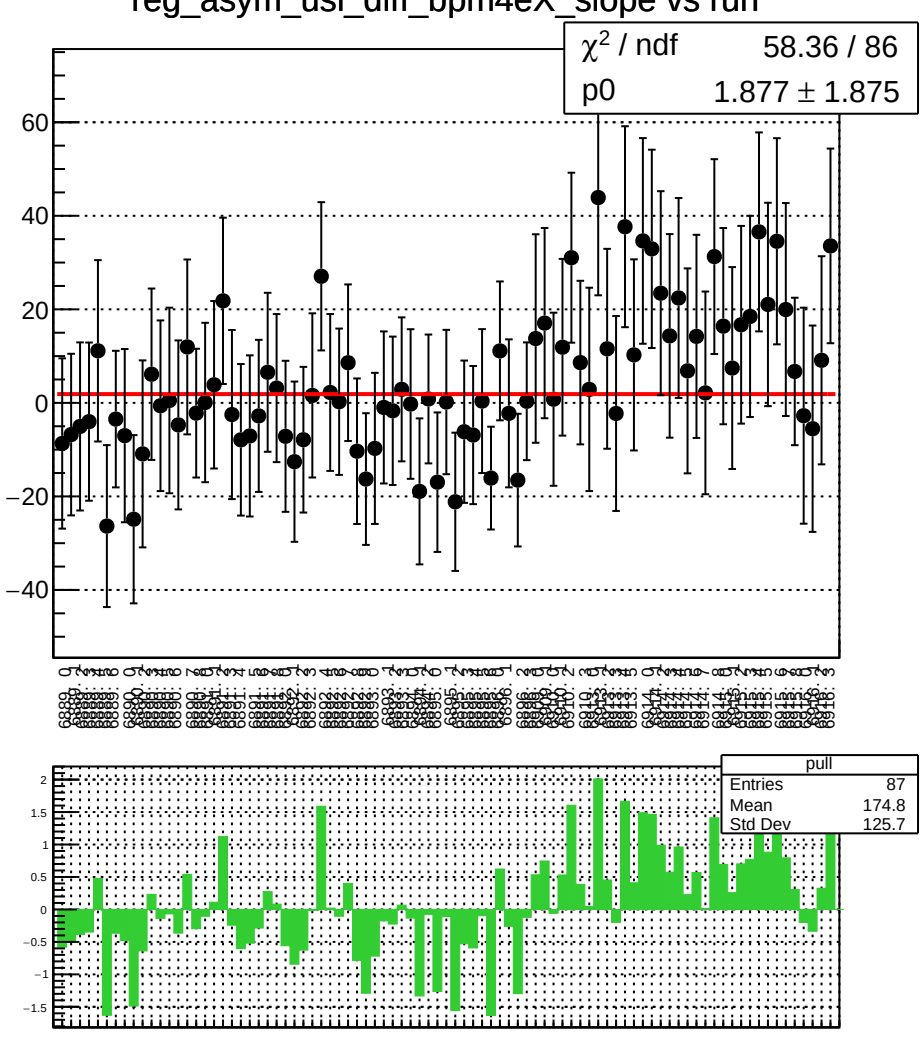

pull1D
Entries 87
Mean −0.003713
Std Dev 0.3333

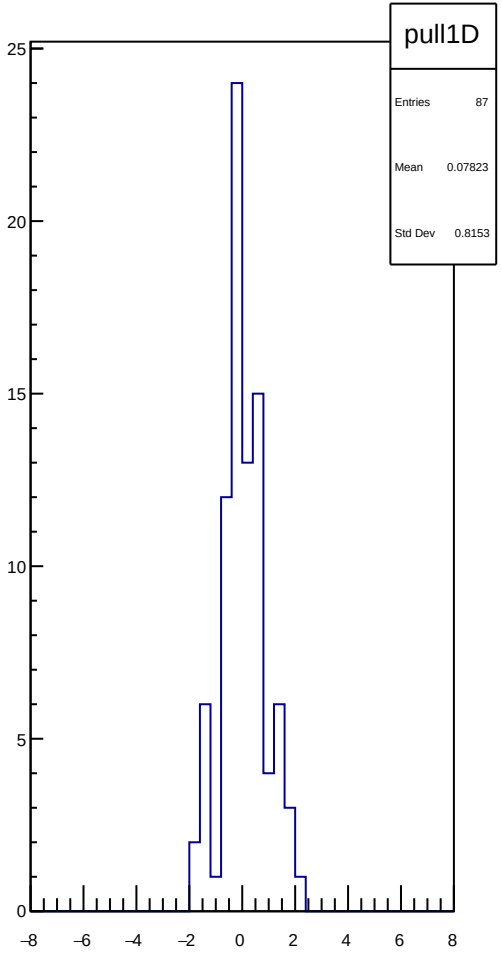

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 61.8 / 86
p0 −63.94 ± 1.958
pull
Entries 87
Mean 163
Std Dev 113.7

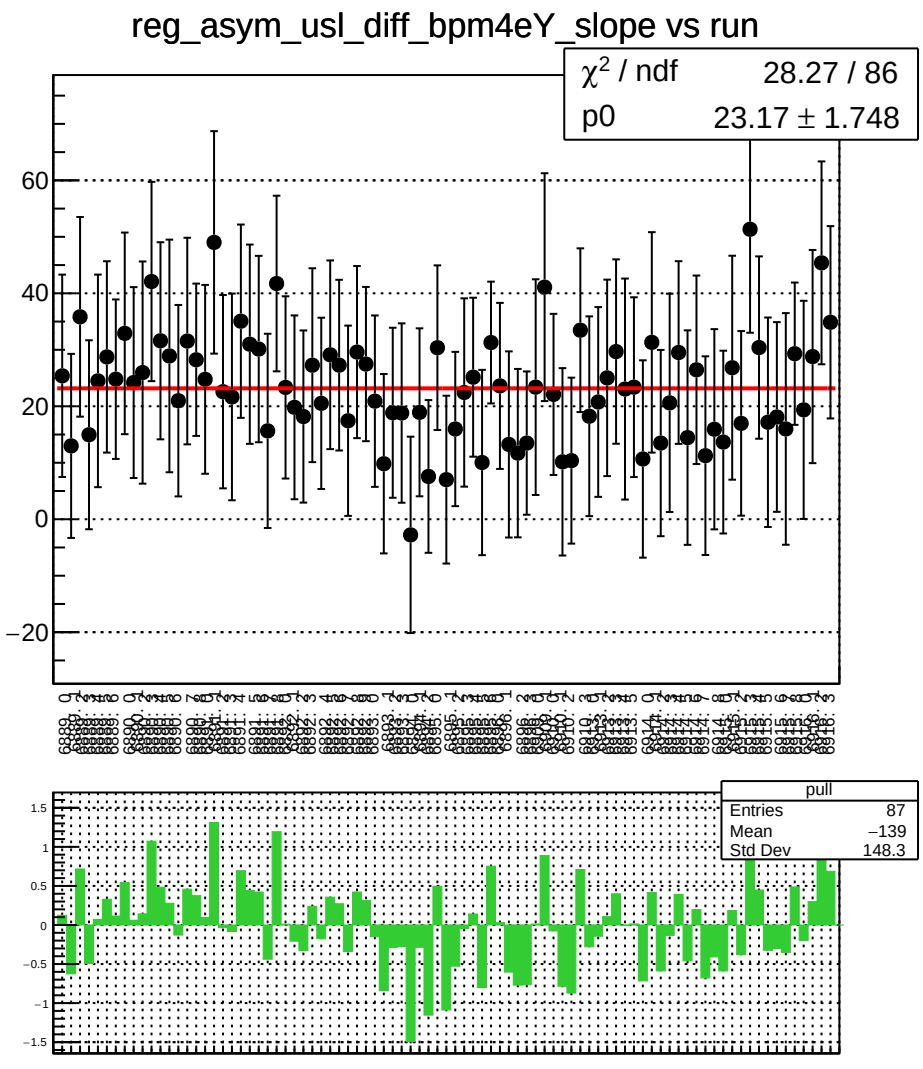

pull1D
Entries 87
Mean −0.09405
Std Dev 0.8376

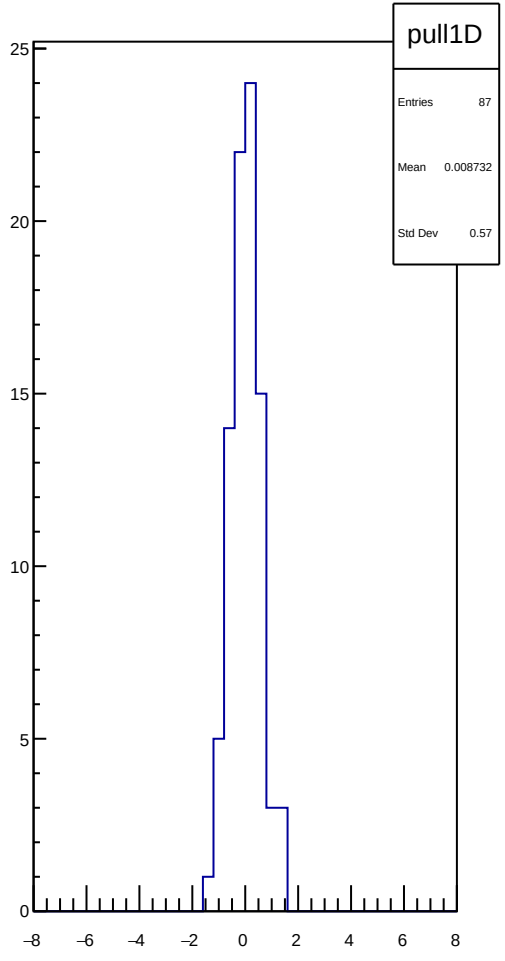

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 24.7 / 86
p0 −1.469 ± 1.479
pull
Entries 87
Mean 3546
Std Dev 3513

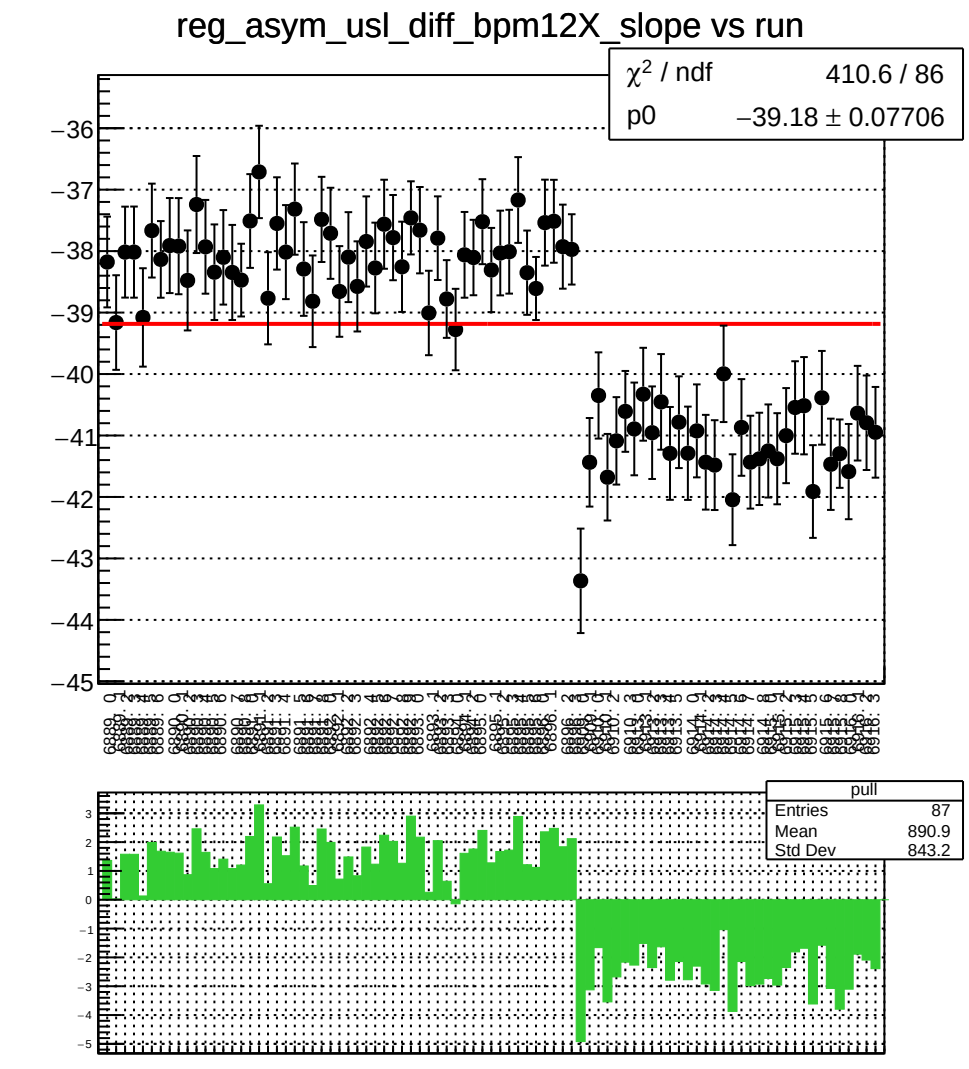

pull1D
Entries 87
Mean 0.0008535
Std Dev 0.5328

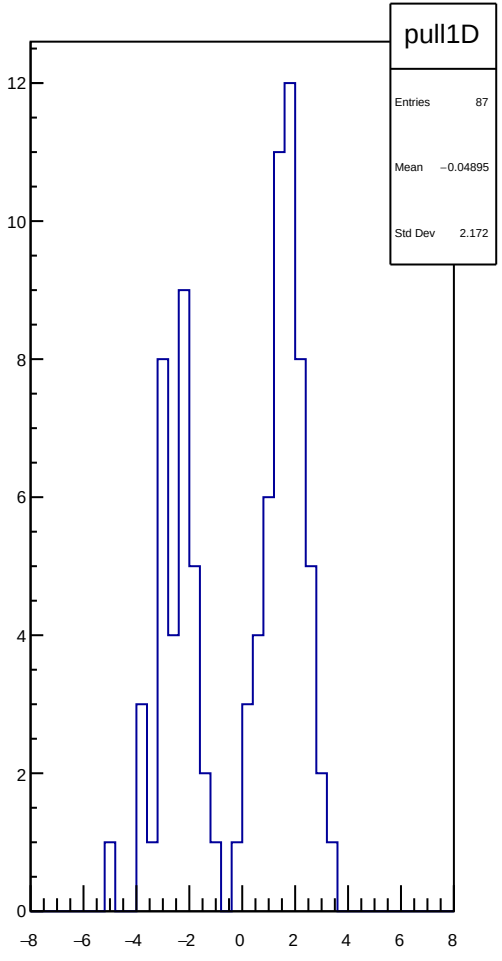

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 58.36 / 86
p0 1.877 ± 1.875
pull
Entries 87
Mean 174.8
Std Dev 125.7

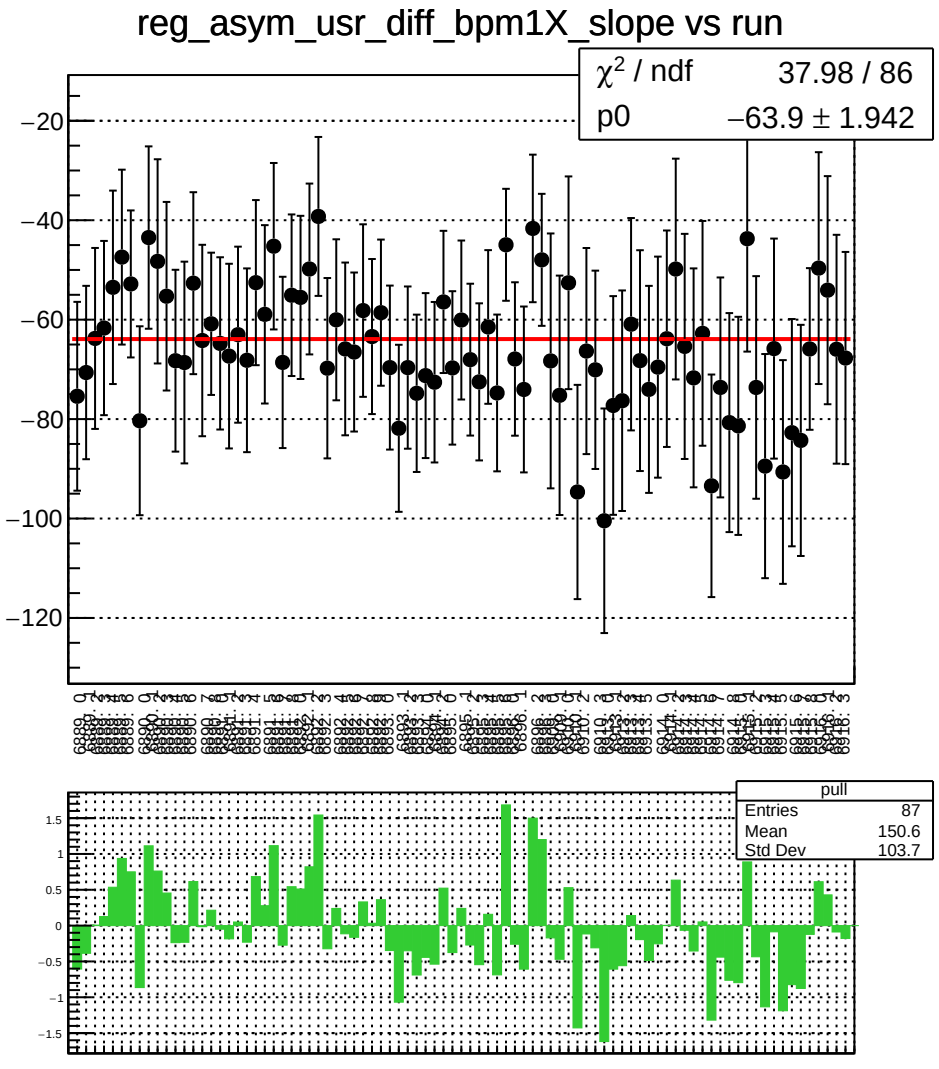

pull1D
Entries 87
Mean 0.07823
Std Dev 0.8153

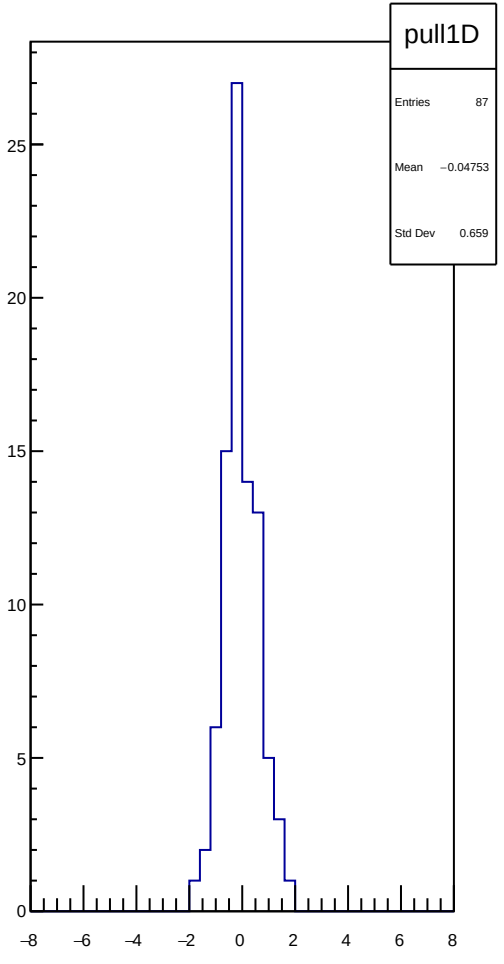

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 28.27 / 86
p0 23.17 ± 1.748
60
40
20
0
−20
pull
Entries 87
Mean −139
Std Dev 148.3
1.5
1
0.5
0
−0.5
−1
−1.5

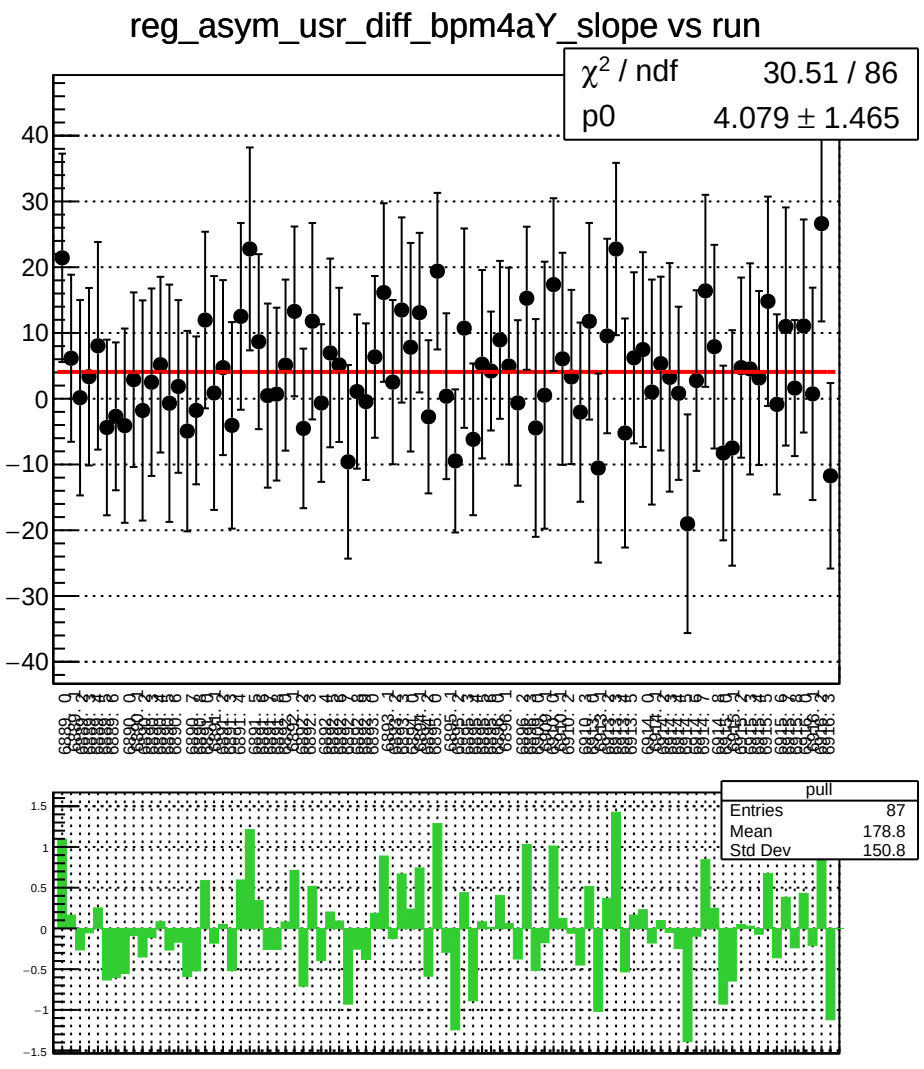

pull1D
Entries 87
Mean 0.008732
Std Dev 0.57
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

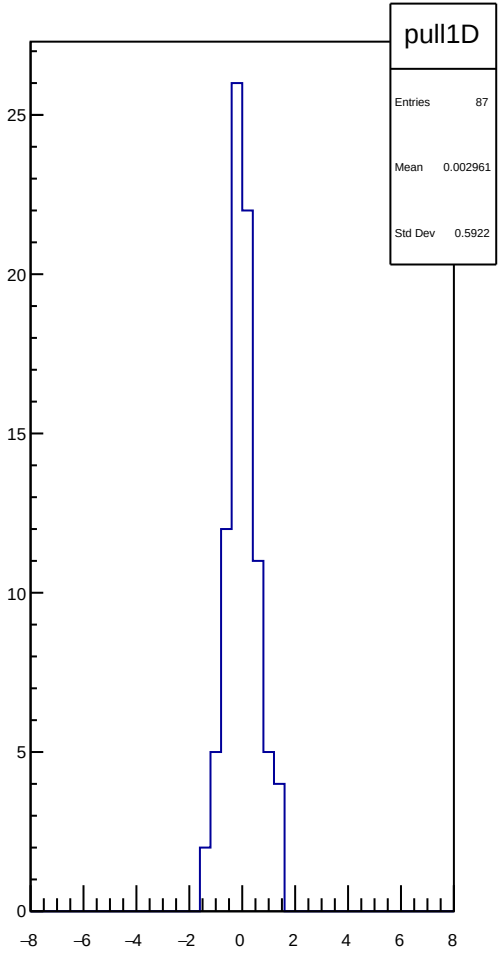

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 410.6 / 86
p0 −39.18 ± 0.07706
pull
Entries 87
Mean 890.9
Std Dev 843.2

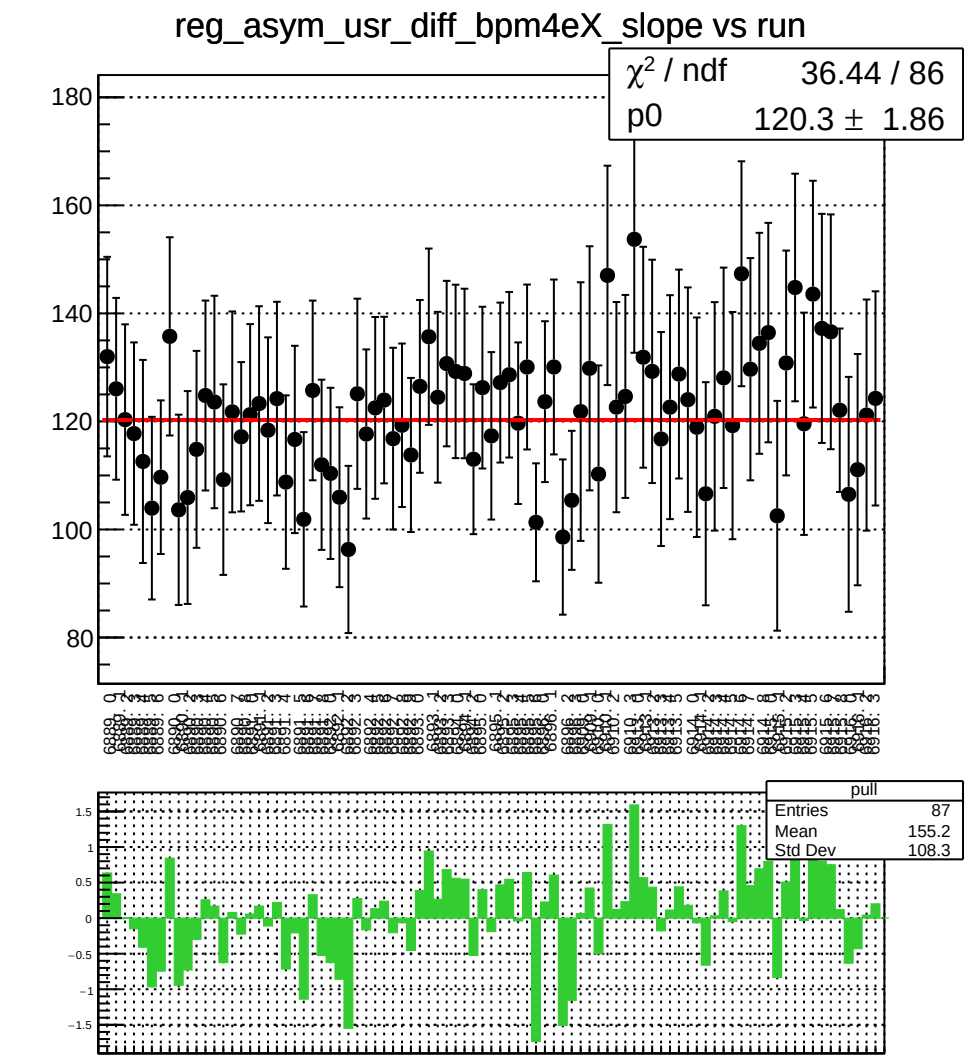

pull1D
Entries 87
Mean −0.04895
Std Dev 2.172

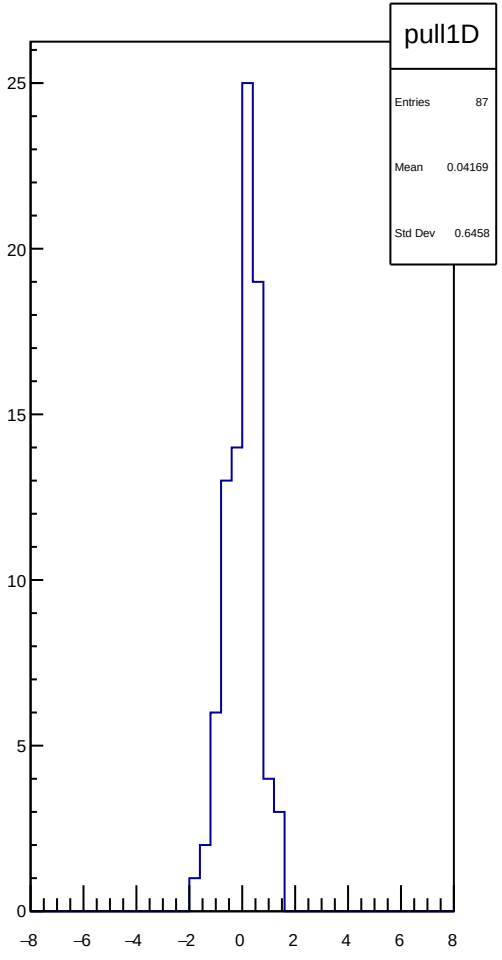

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 37.98 / 86
p0 −63.9 ± 1.942
−20
−40
−60
−80
−100
−120
pull
Entries 87
Mean 150.6
Std Dev 103.7
1.5
1
0.5
0
−0.5
−1
−1.5

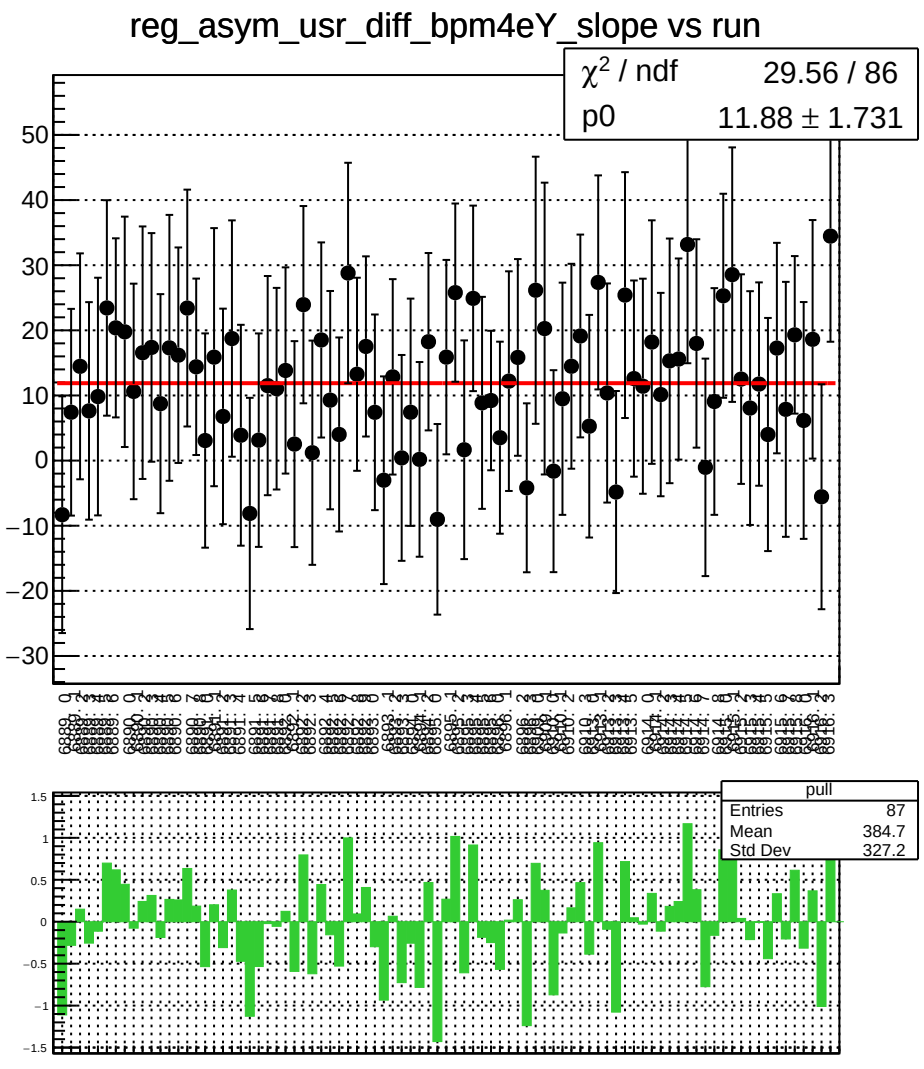

pull1D
Entries 87
Mean −0.04753
Std Dev 0.659
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

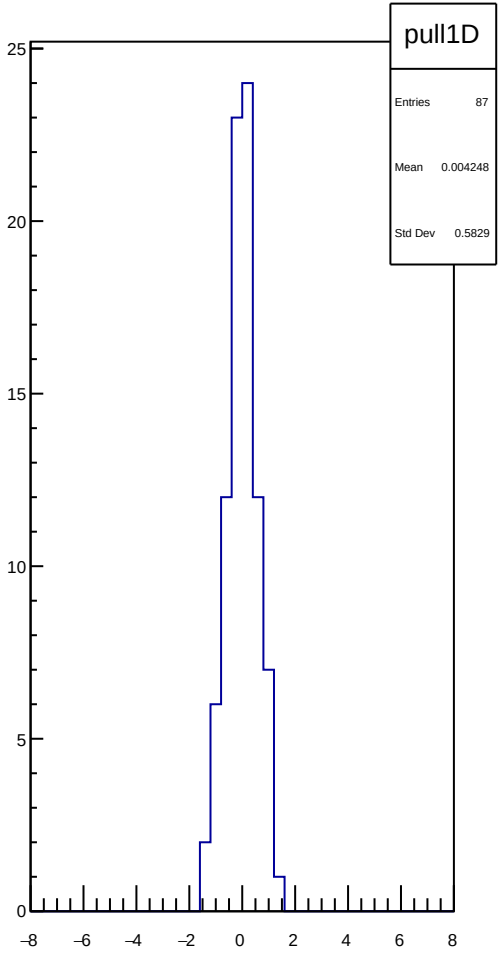

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 30.51 / 86
p0 4.079 ± 1.465
pull
Entries 87
Mean 178.8
Std Dev 150.8

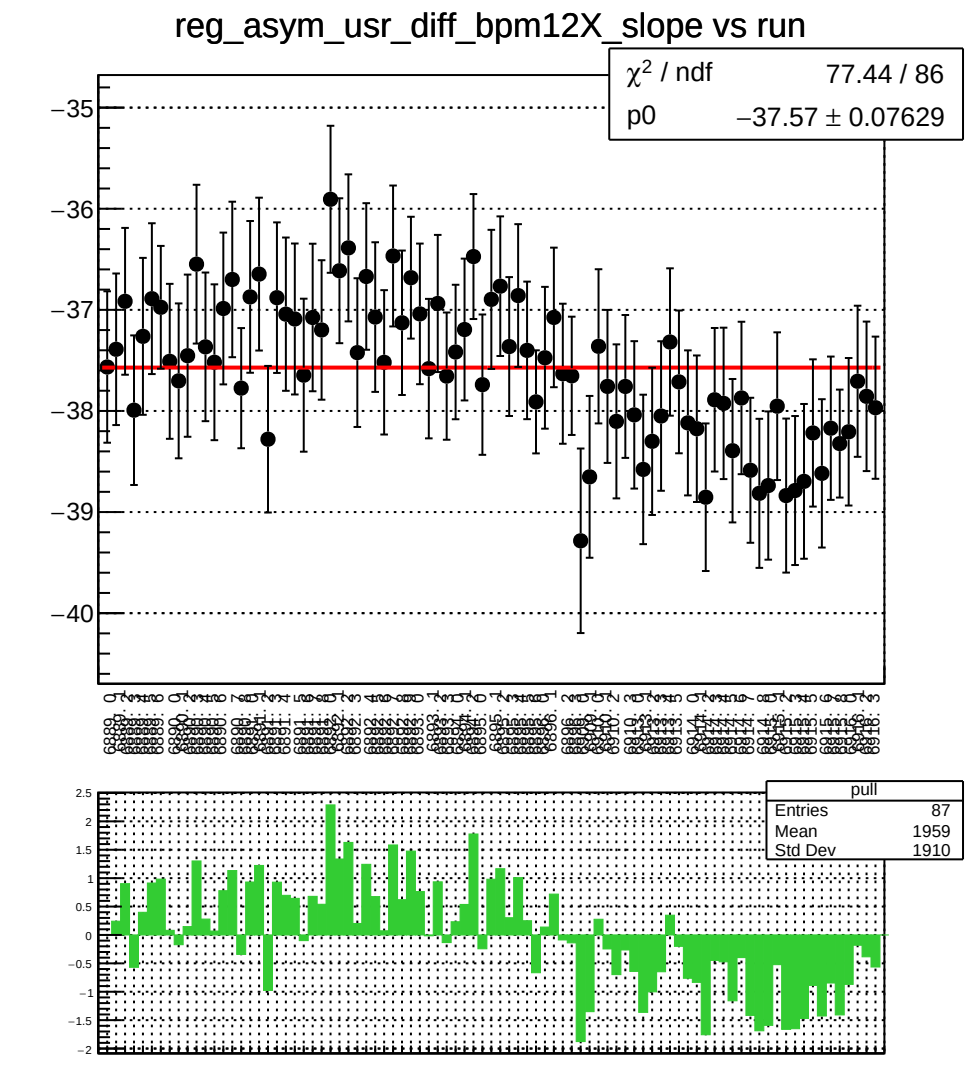

pull1D
Entries 87
Mean 0.002961
Std Dev 0.5922

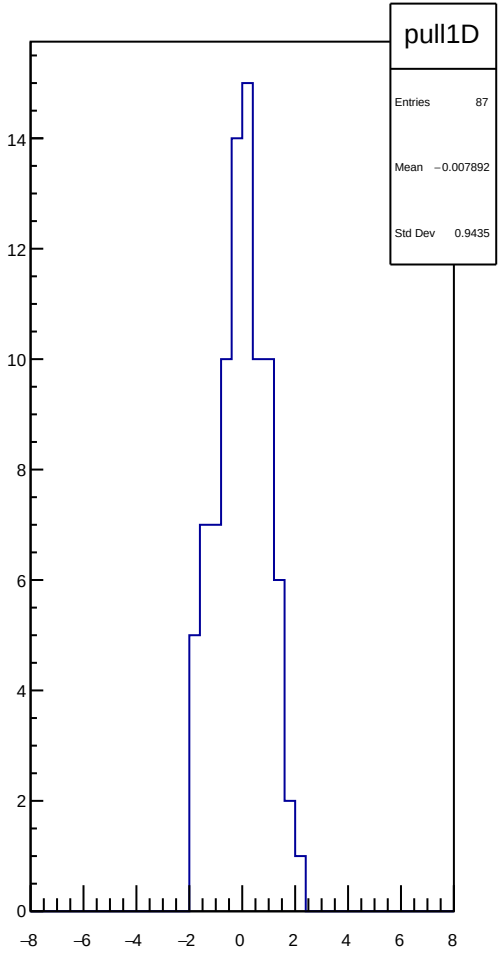

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 36.44 / 86
p0 120.3 ± 1.86
pull
Entries 87
Mean 155.2
Std Dev 108.3

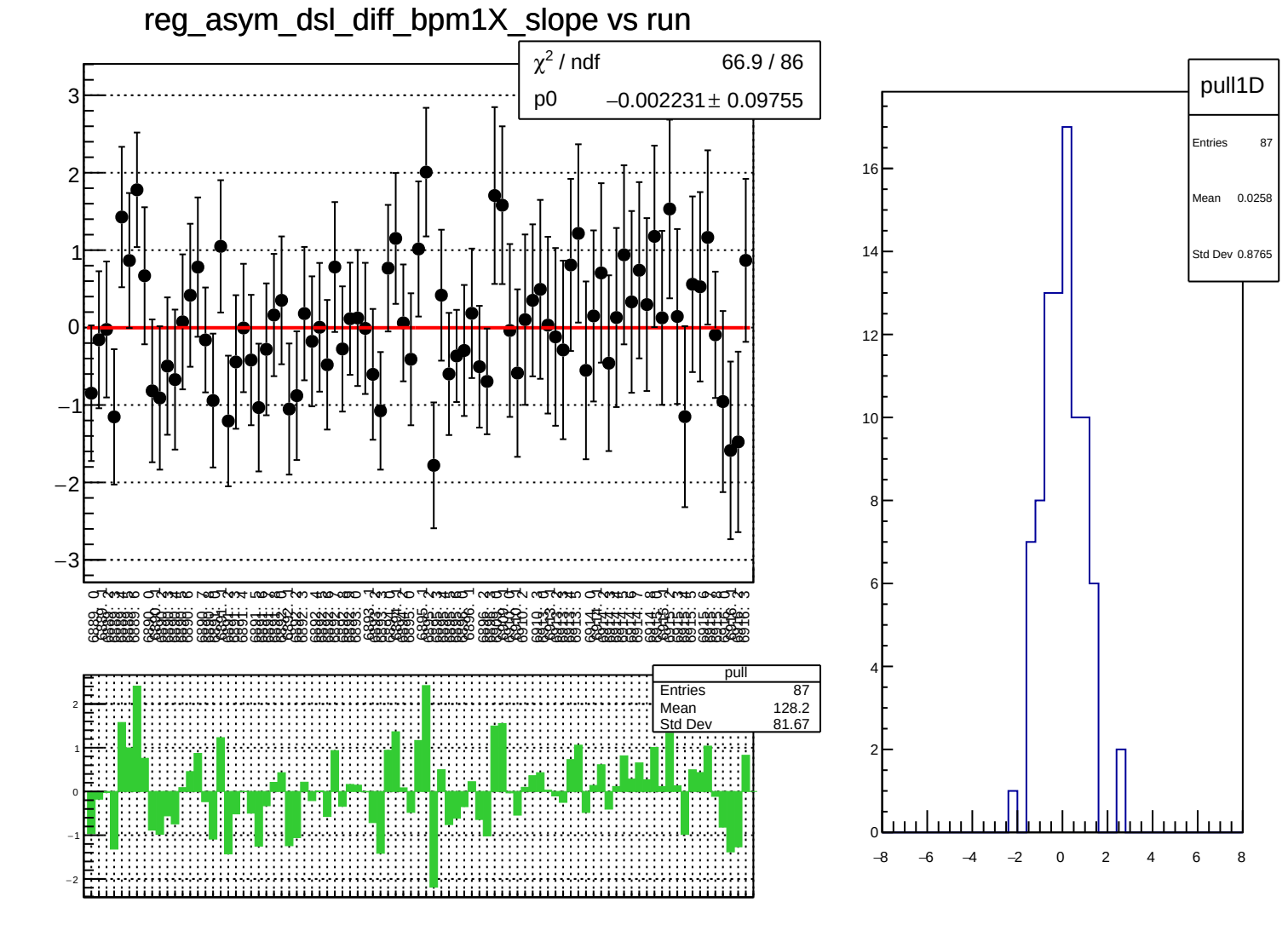

pull1D
Entries 87
Mean 0.04169
Std Dev 0.6458

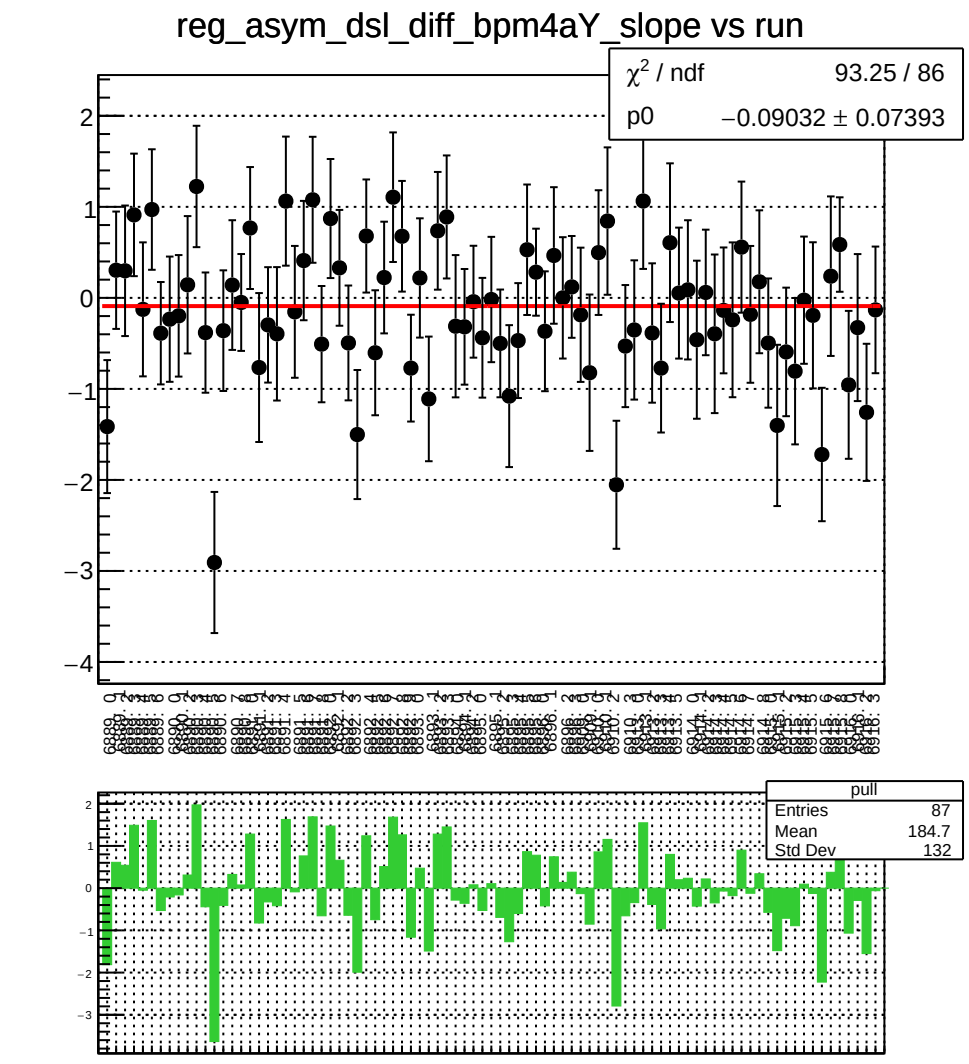

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 29.56 / 86
p0 11.88 ± 1.731
pull
Entries 87
Mean 384.7
Std Dev 327.2

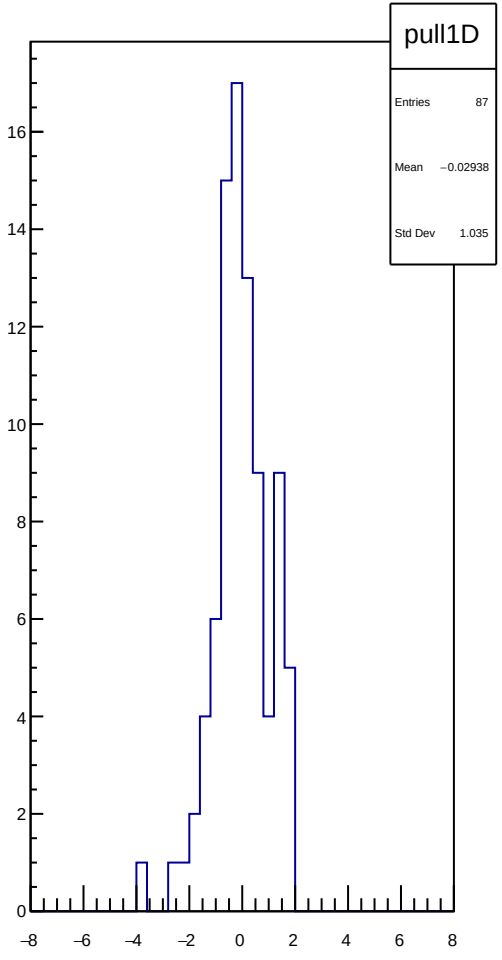

pull1D
Entries 87
Mean 0.004248
Std Dev 0.5829

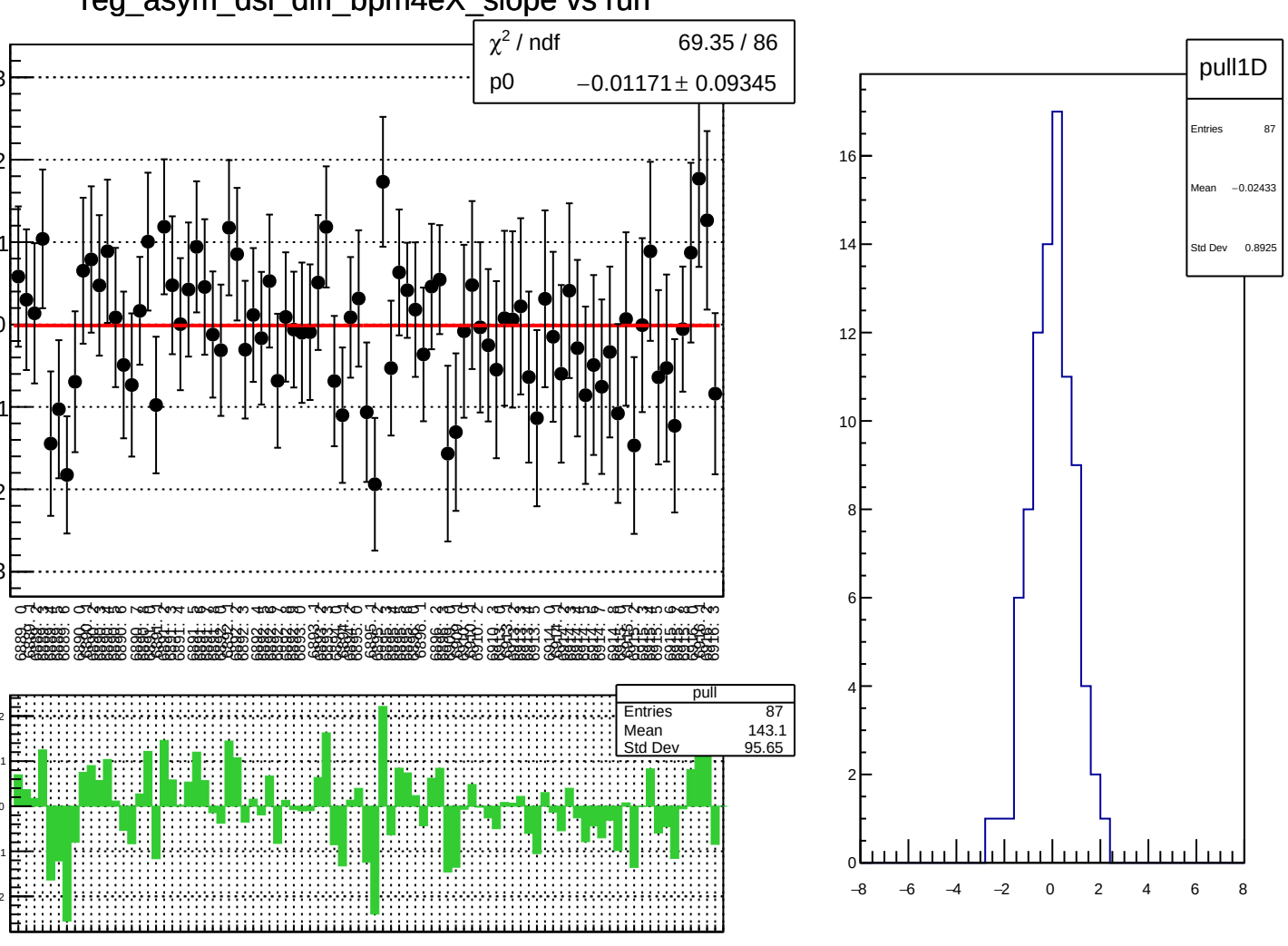

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 77.44 / 86
p0 −37.57 ± 0.07629
pull
Entries 87
Mean 1959
Std Dev 1910

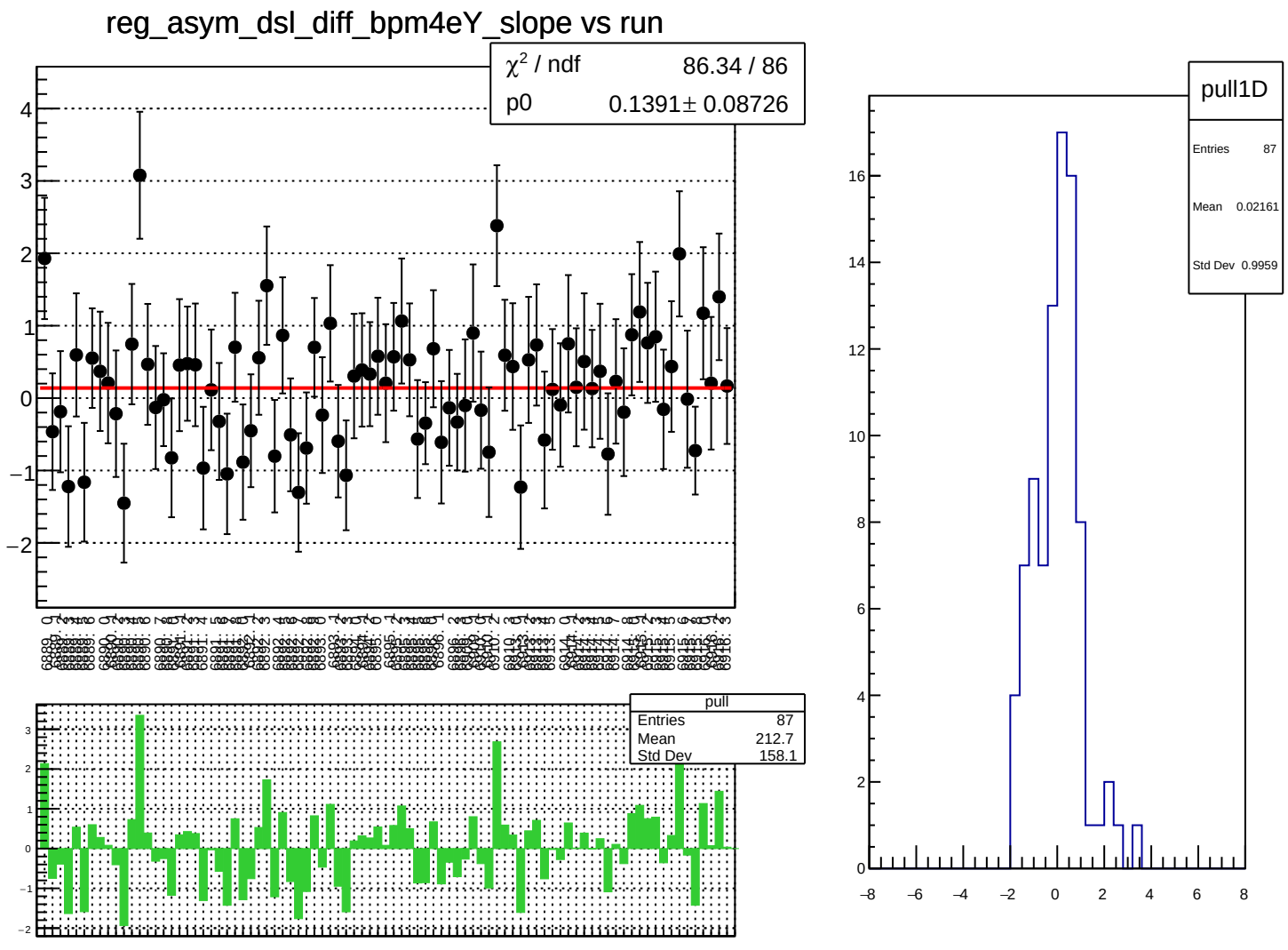

pull1D
Entries 87
Mean −0.007892
Std Dev 0.9435

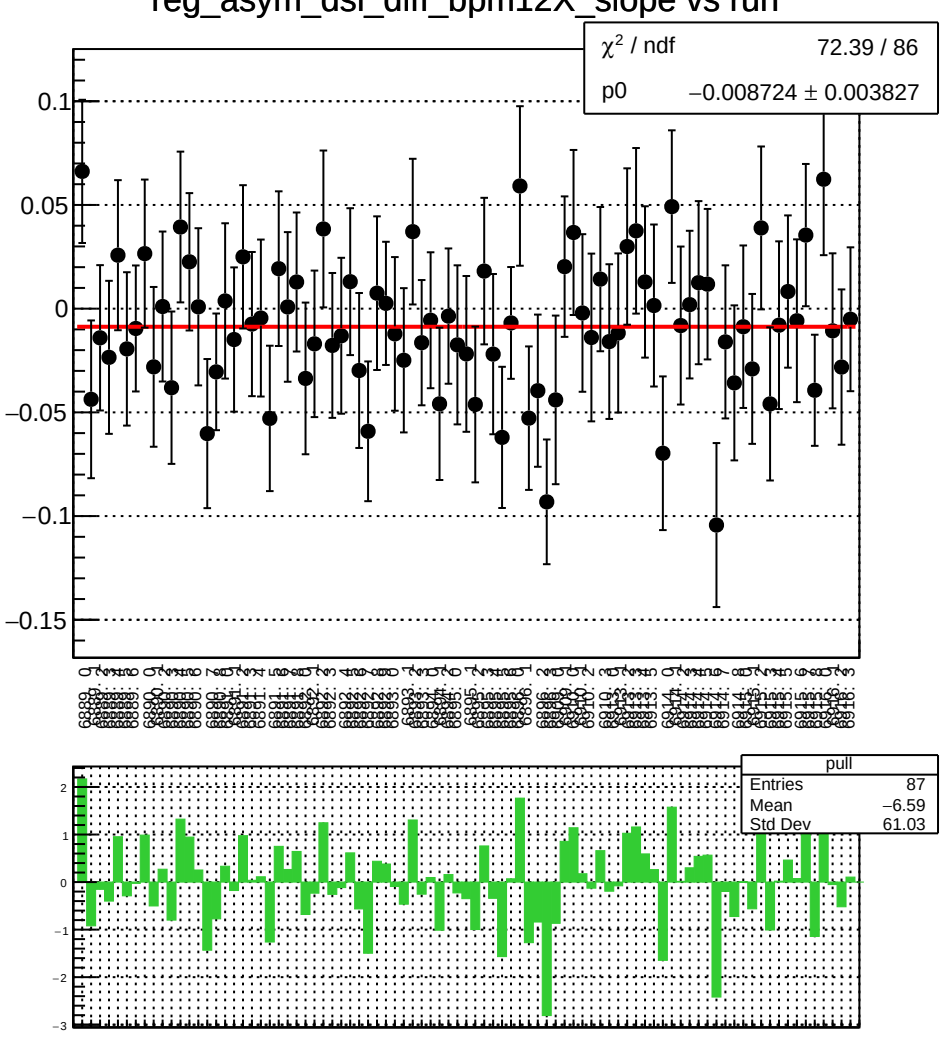

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 66.9 / 86
p0 −0.002231 ± 0.09755
pull
Entries 87
Mean 128.2
Std Dev 81.67
pull1D
Entries 87
Mean 0.0258
Std Dev 0.8765

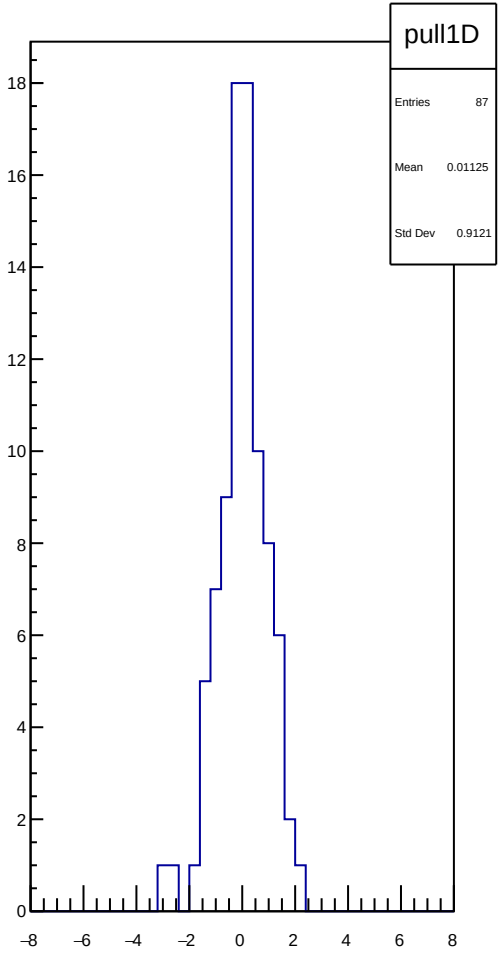

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 93.25 / 86
p0 −0.09032 ± 0.07393
pull
Entries 87
Mean 184.7
Std Dev 132

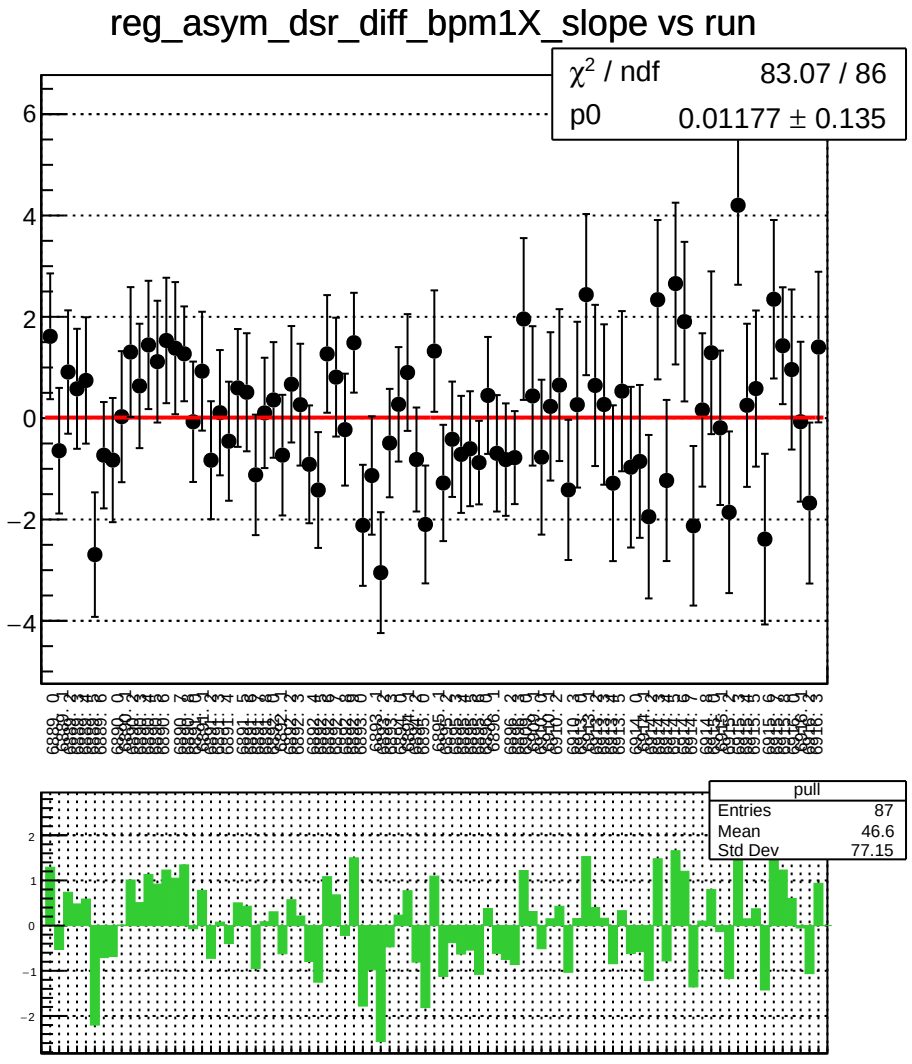

pull1D
Entries 87
Mean −0.02938
Std Dev 1.035

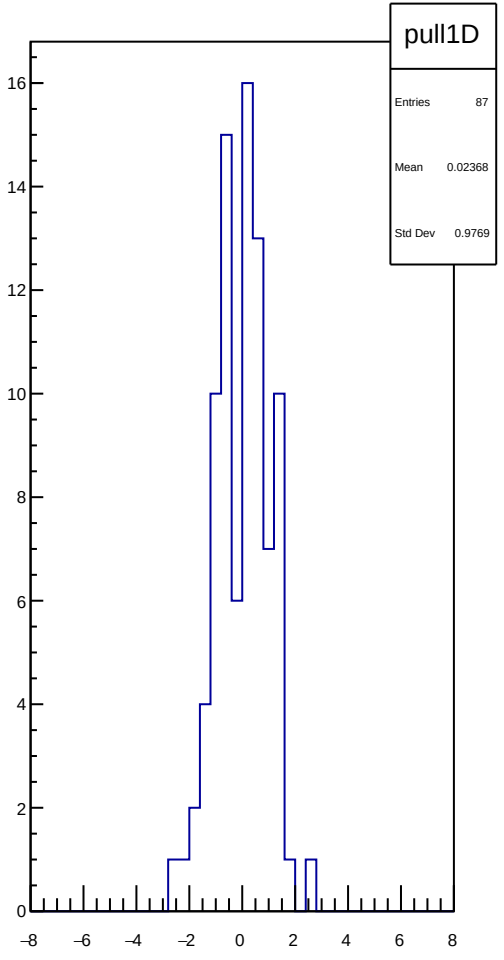

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 69.35 / 86
p0 −0.01171 ± 0.09345
pull
Entries 87
Mean 143.1
Std Dev 95.65
pull1D
Entries 87
Mean −0.02433
Std Dev 0.8925

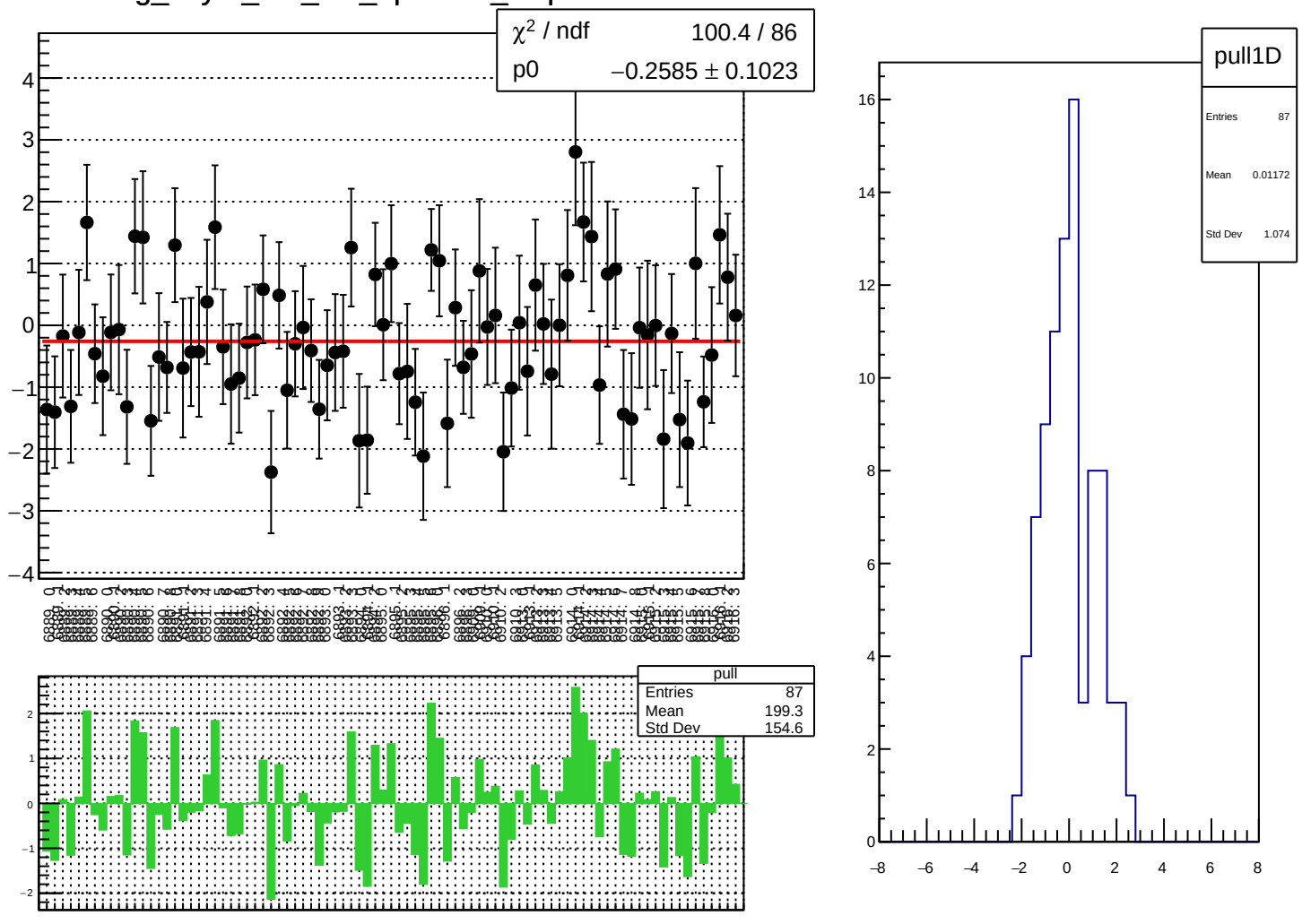

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 86.34 / 86
p0 0.1391± 0.08726
pull
Entries 87
Mean 212.7
Std Dev 158.1
pull1D
Entries 87
Mean 0.02161
Std Dev 0.9959

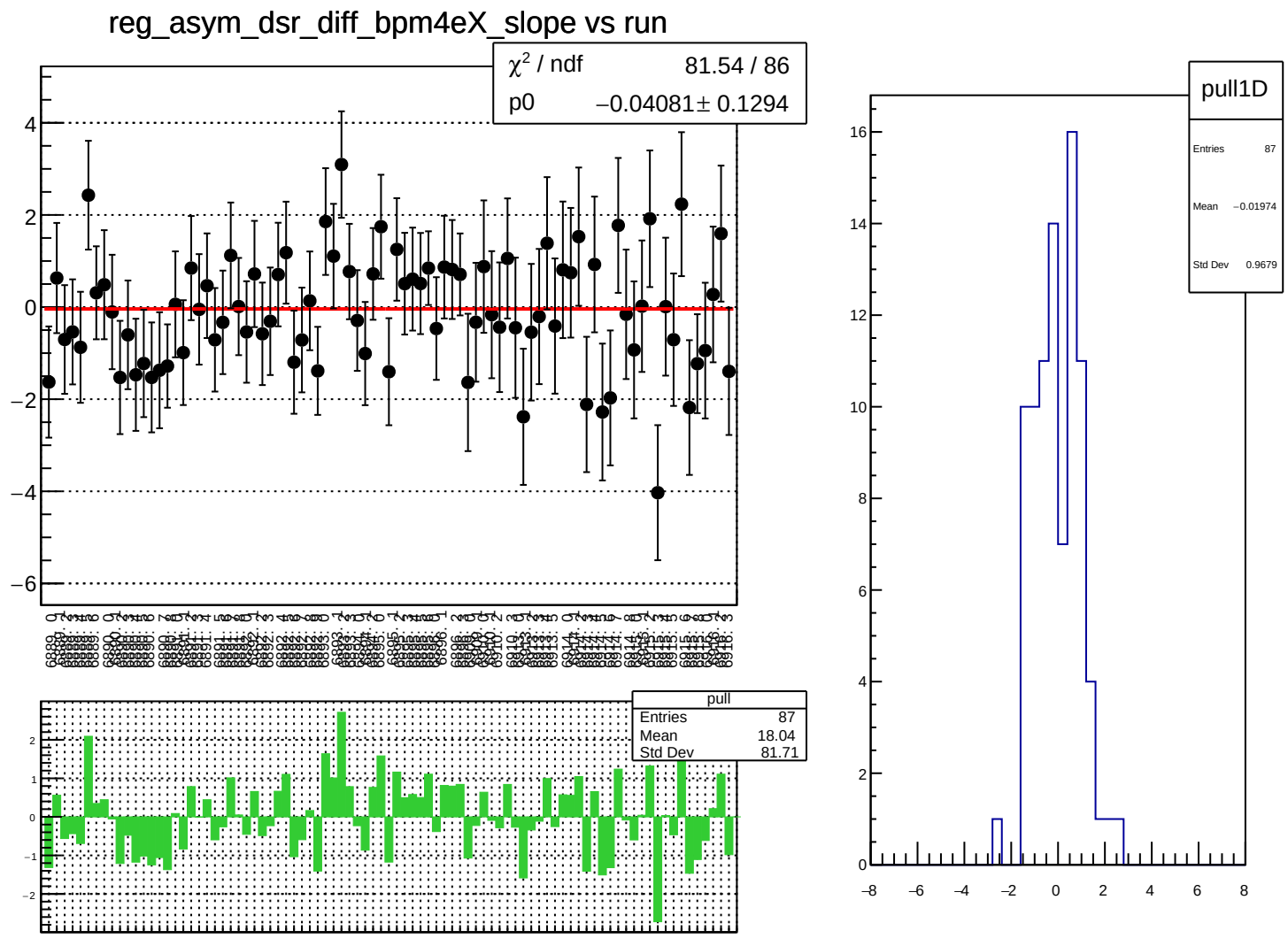

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 72.39 / 86
p0 −0.008724 ± 0.003827
pull
Entries 87
Mean −6.59
Std Dev 61.03

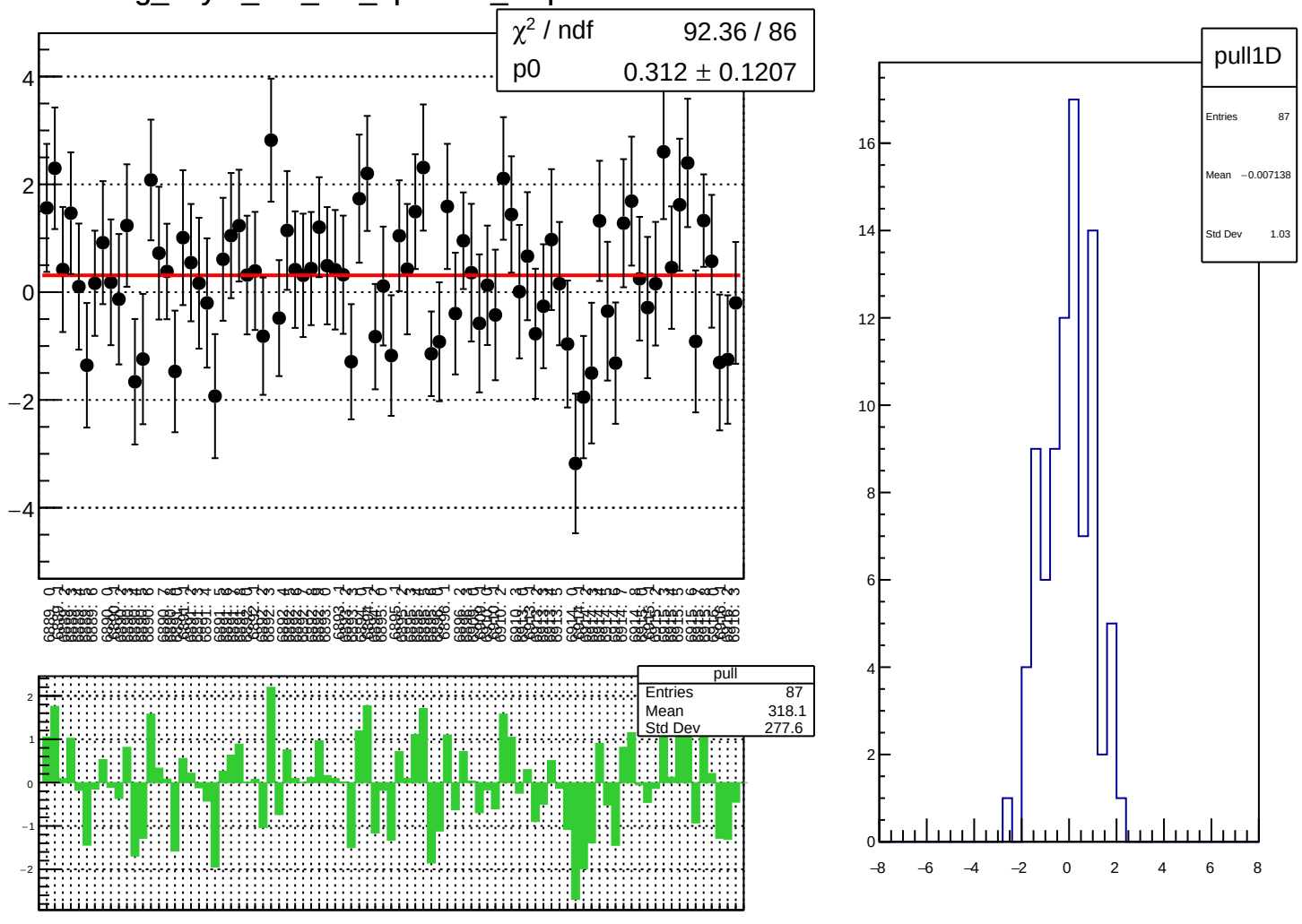

pull1D
Entries 87
Mean 0.01125
Std Dev 0.9121

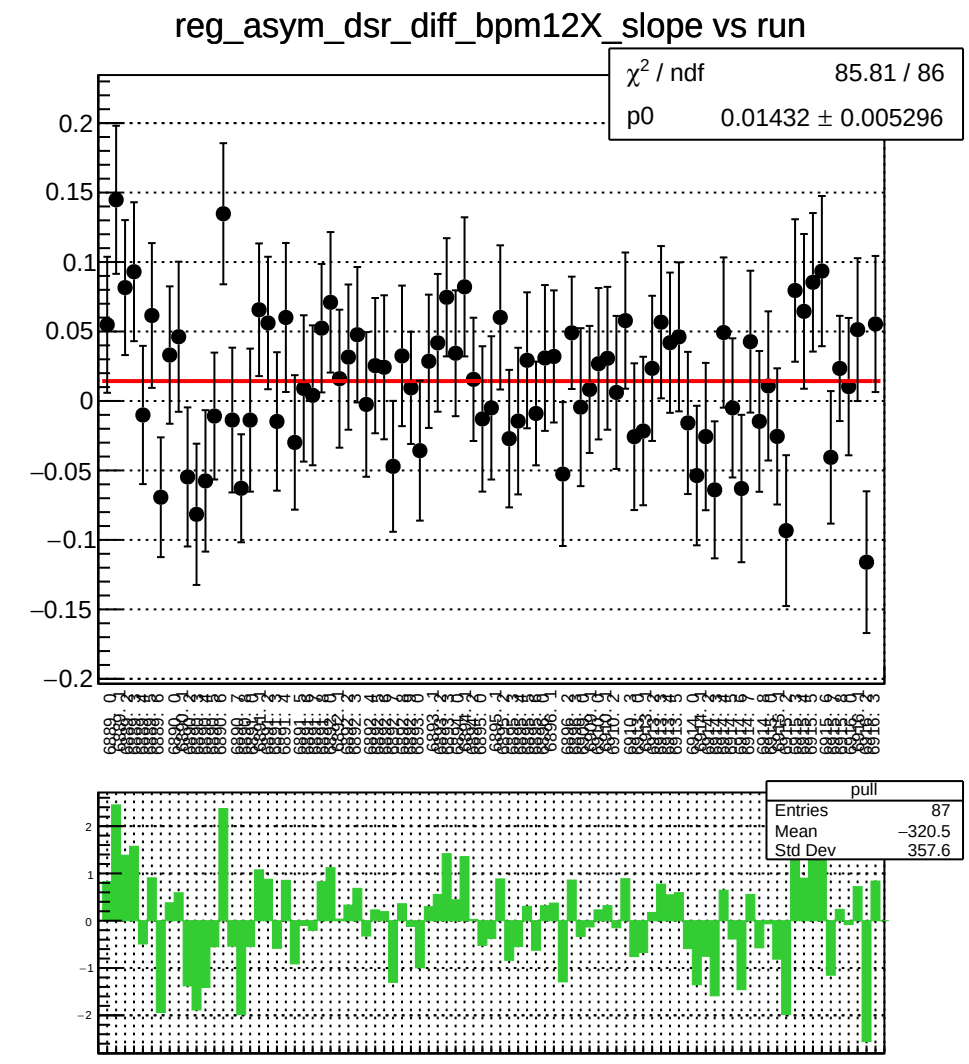

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 83.07 / 86
p0 0.01177 ± 0.135
pull
Entries 87
Mean 46.6
Std Dev 77.15

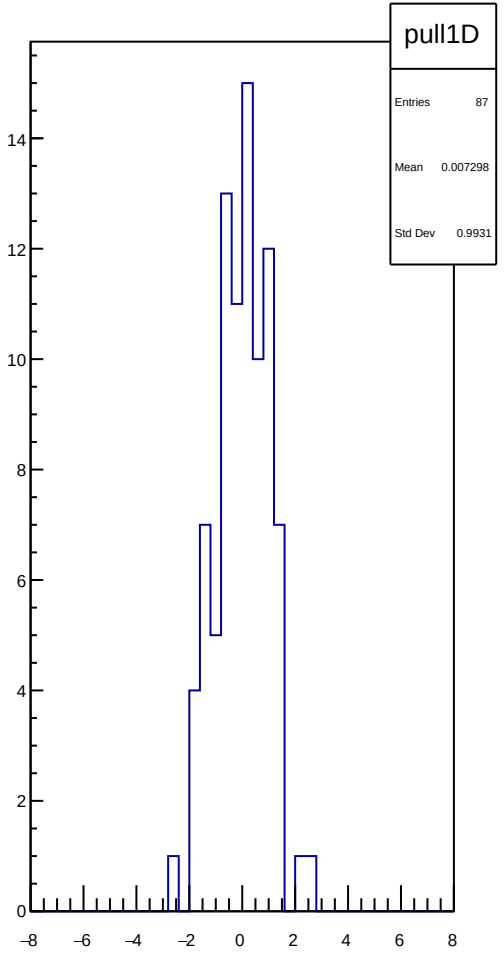

pull1D
Entries 87
Mean 0.02368
Std Dev 0.9769

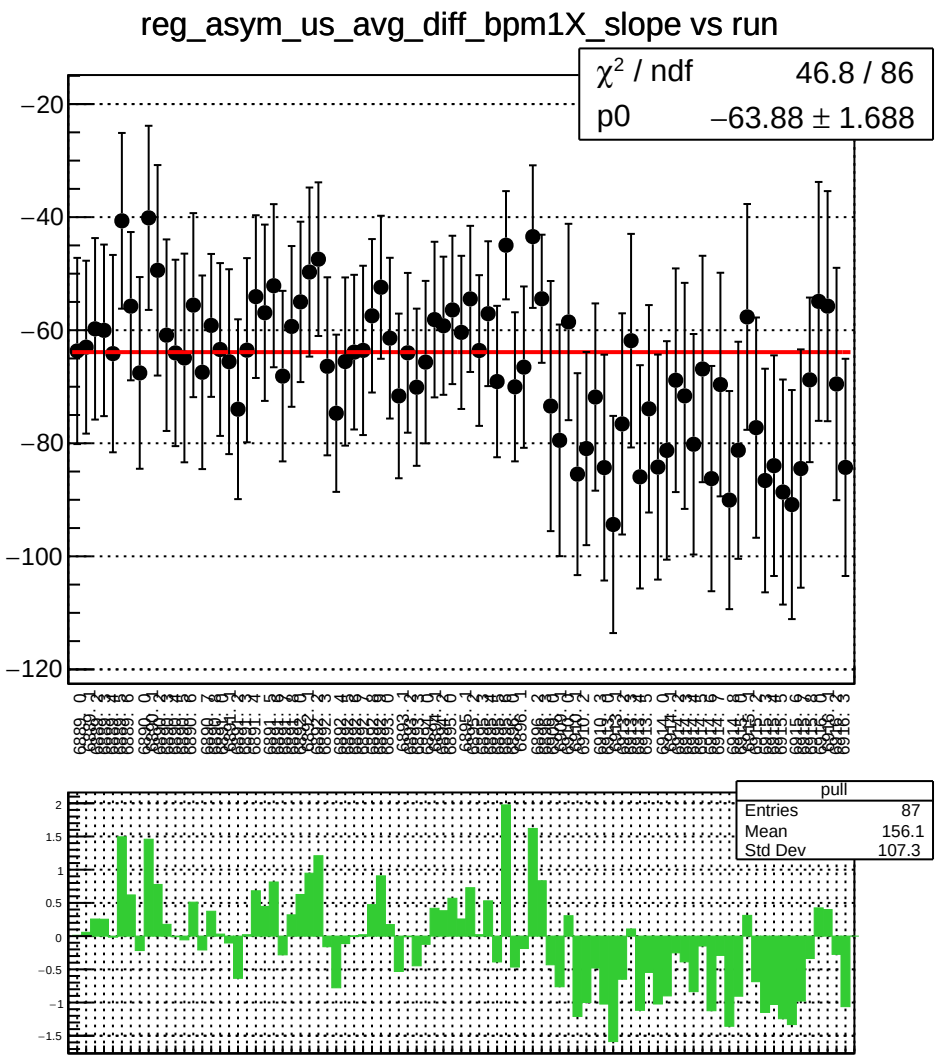

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 100.4 / 86
p0 −0.2585 ± 0.1023
pull
Entries 87
Mean 199.3
Std Dev 154.6
pull1D
Entries 87
Mean 0.01172
Std Dev 1.074

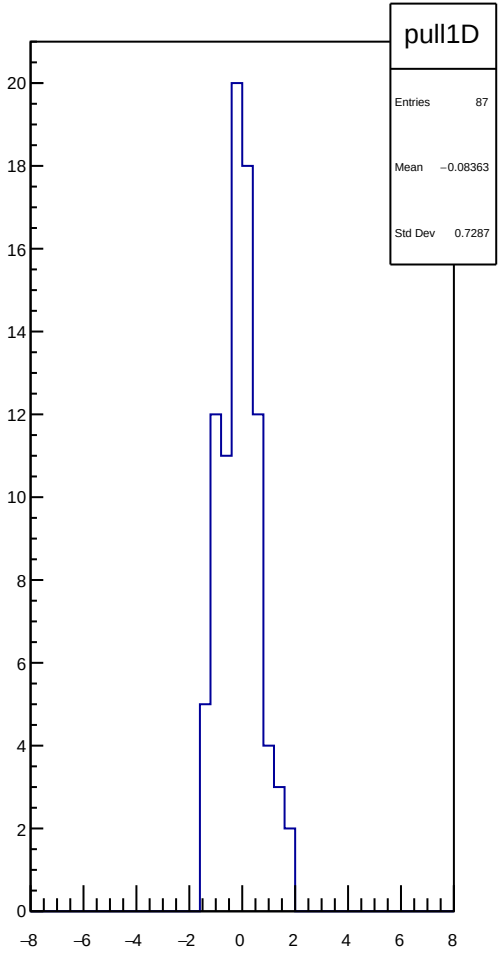

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 81.54 / 86
p0 −0.04081± 0.1294
pull
Entries 87
Mean 18.04
Std Dev 81.71
pull1D
Entries 87
Mean −0.01974
Std Dev 0.9679

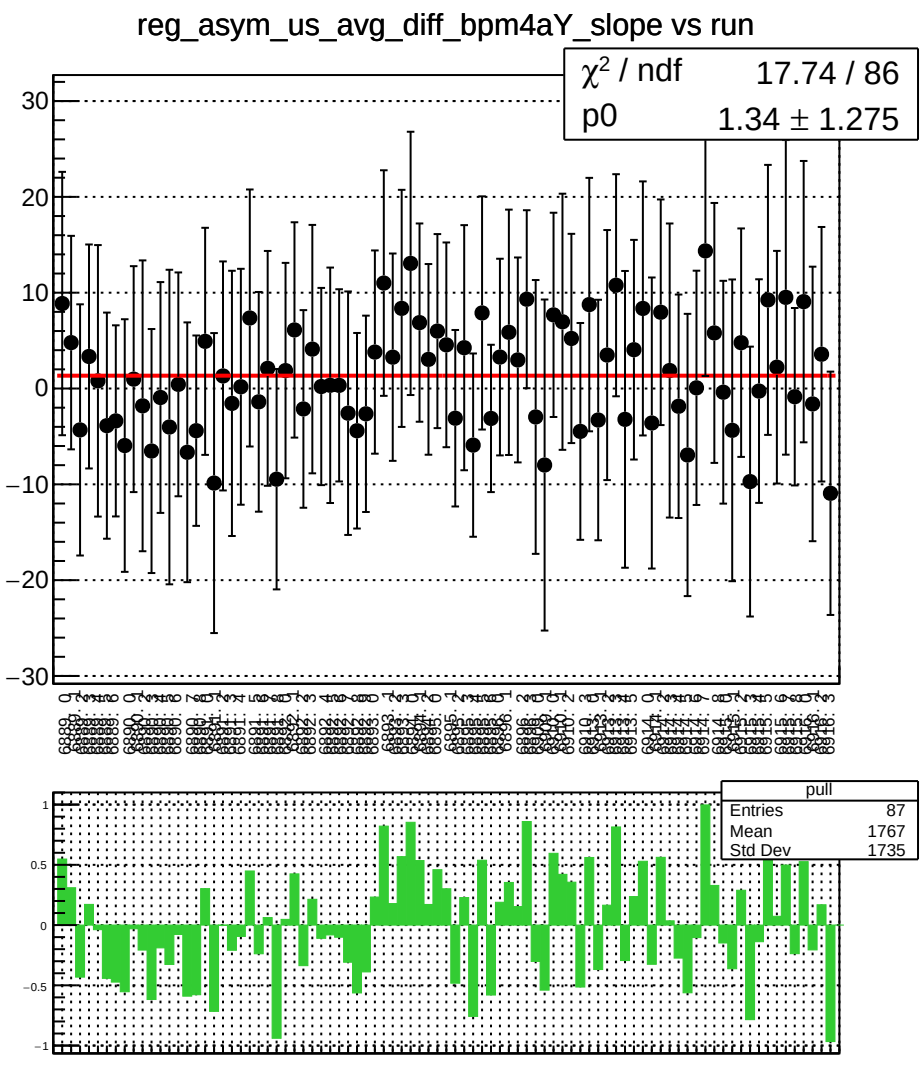

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 92.36 / 86
p0 0.312 ± 0.1207
pull
Entries 87
Mean 318.1
Std Dev 277.6
pull1D
Entries 87
Mean −0.007138
Std Dev 1.03

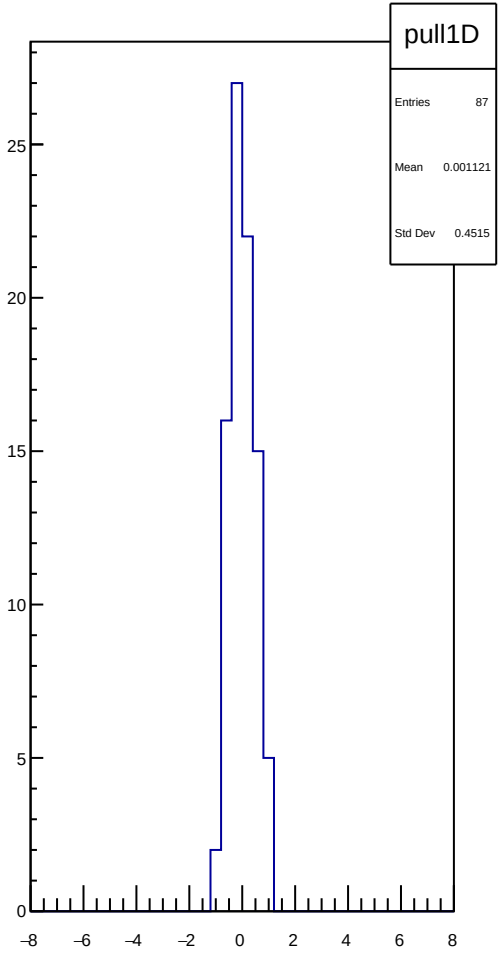

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 85.81 / 86
p0 0.01432 ± 0.005296
pull
Entries 87
Mean −320.5
Std Dev 357.6

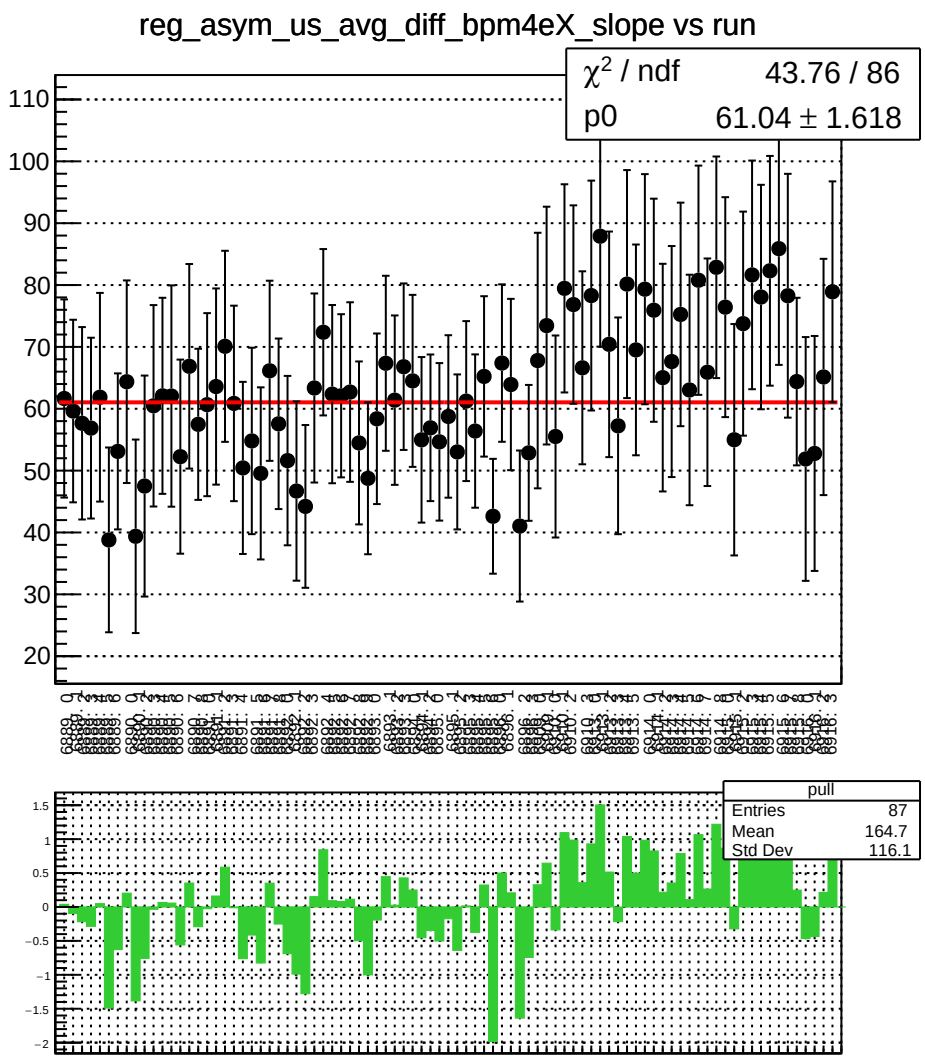

pull1D
Entries 87
Mean 0.007298
Std Dev 0.9931

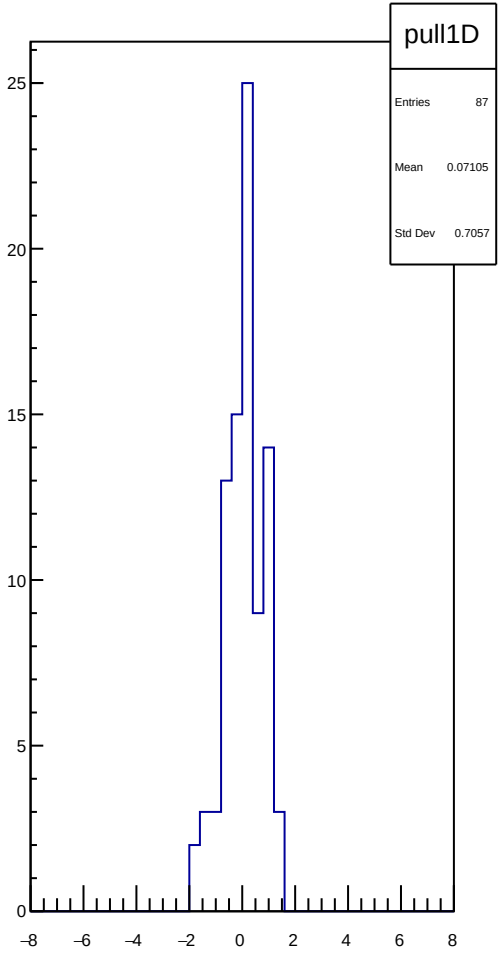

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 46.8 / 86
p0 −63.88 ± 1.688
pull
Entries 87
Mean 156.1
Std Dev 107.3

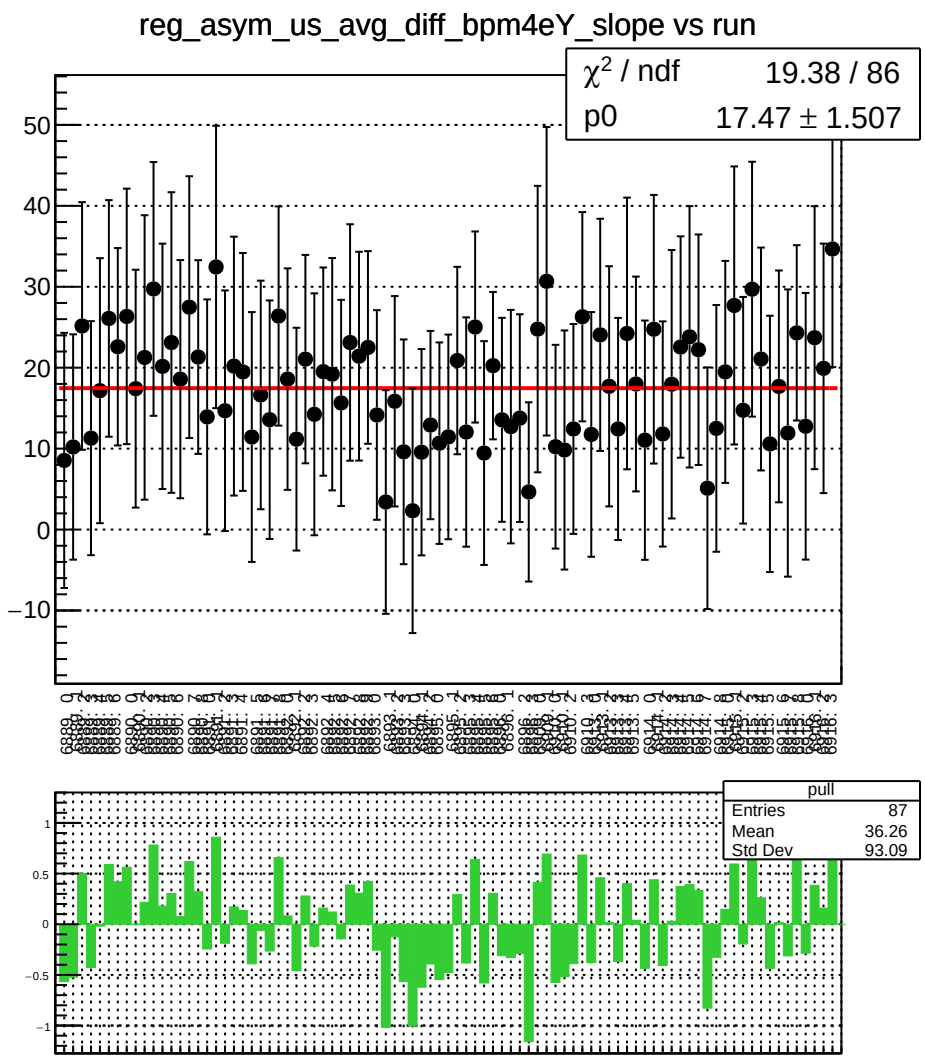

pull1D
Entries 87
Mean −0.08363
Std Dev 0.7287

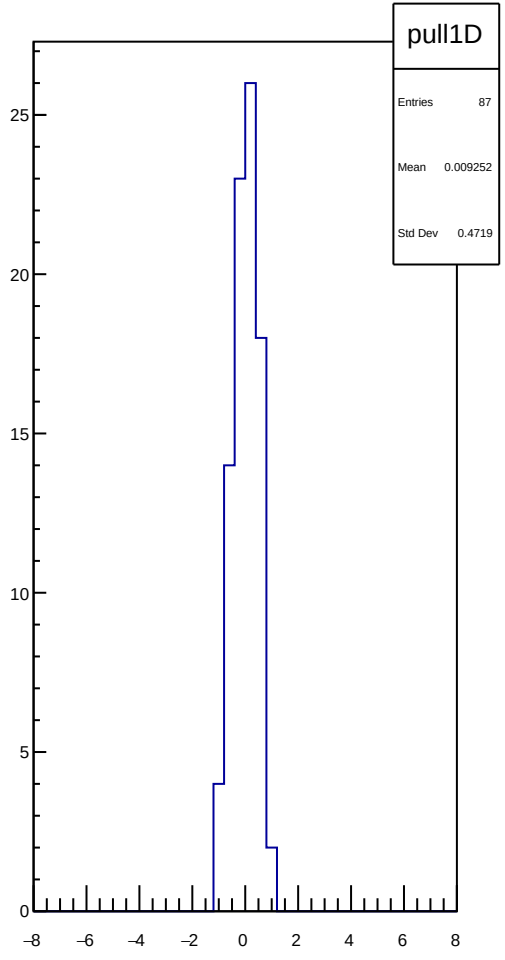

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.74 / 86
p0 1.34 ± 1.275
pull
Entries 87
Mean 1767
Std Dev 1735

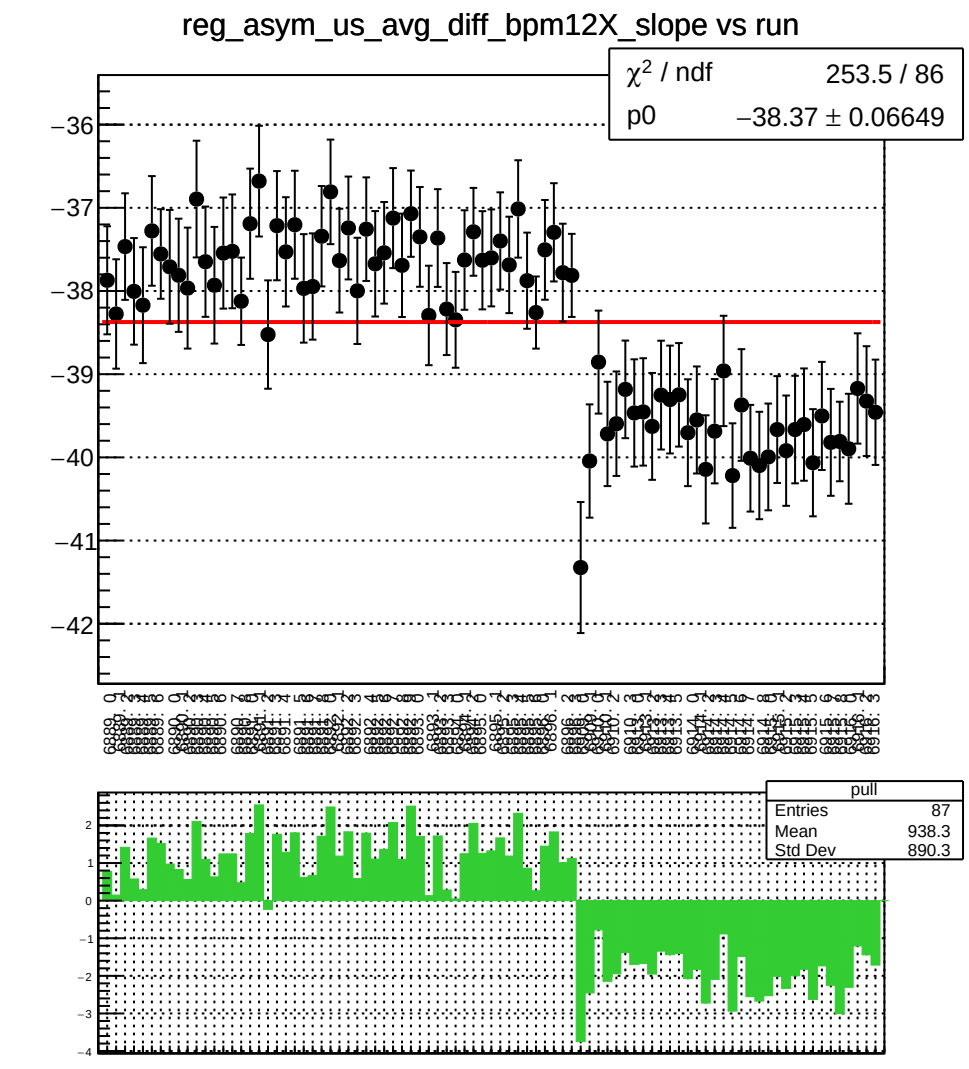

pull1D
Entries 87
Mean 0.001121
Std Dev 0.4515

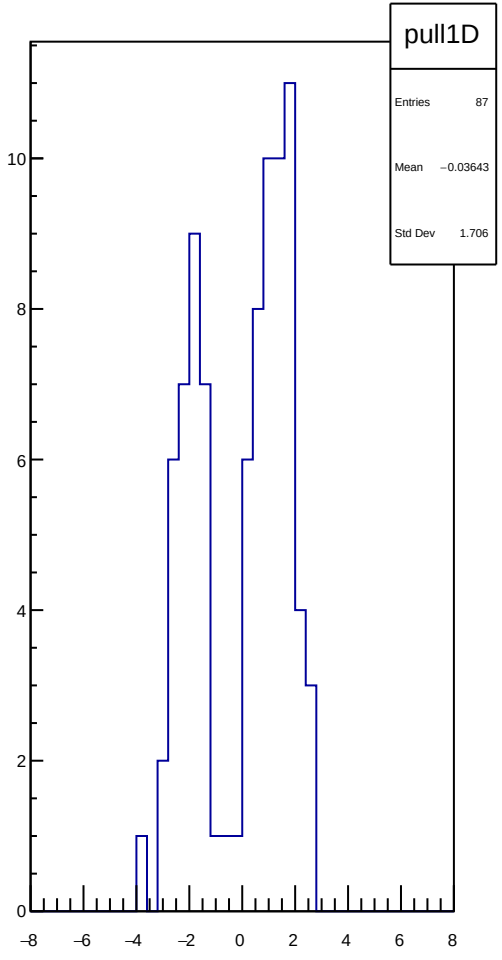

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.76 / 86
p0 61.04 ± 1.618
pull
Entries 87
Mean 164.7
Std Dev 116.1

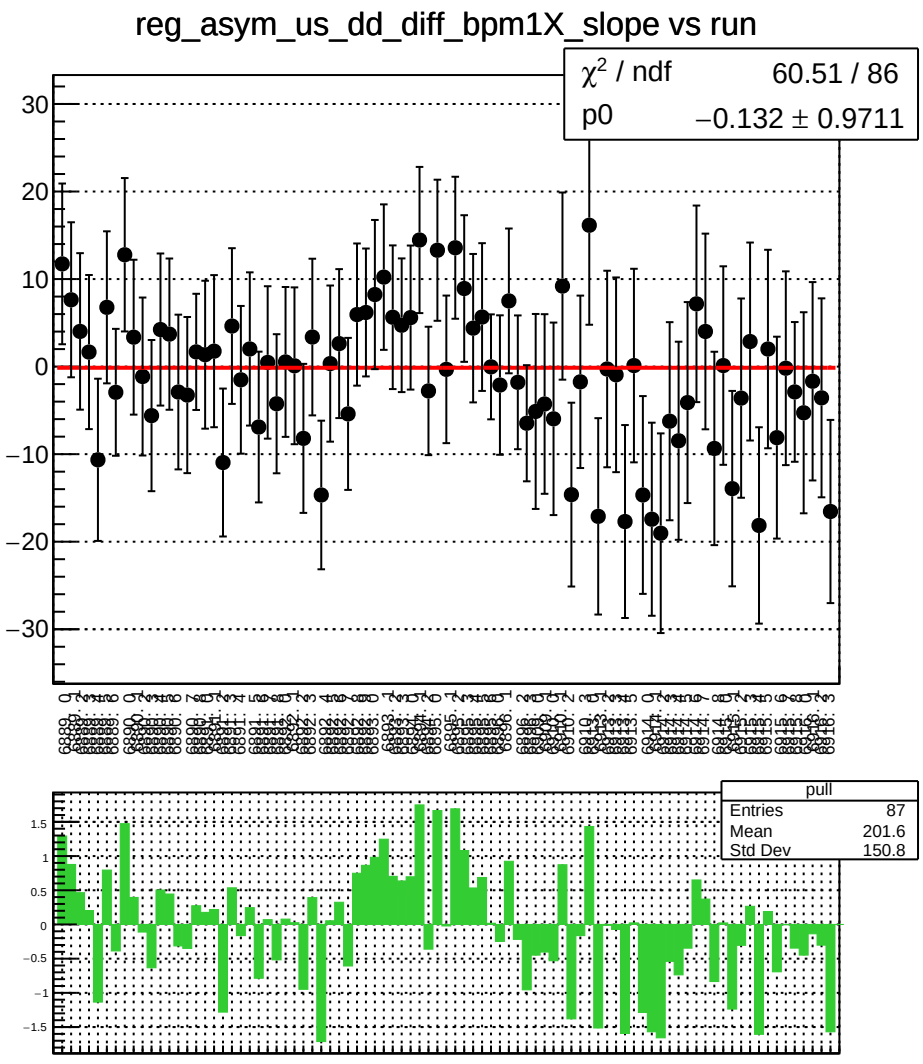

pull1D
Entries 87
Mean 0.07105
Std Dev 0.7057

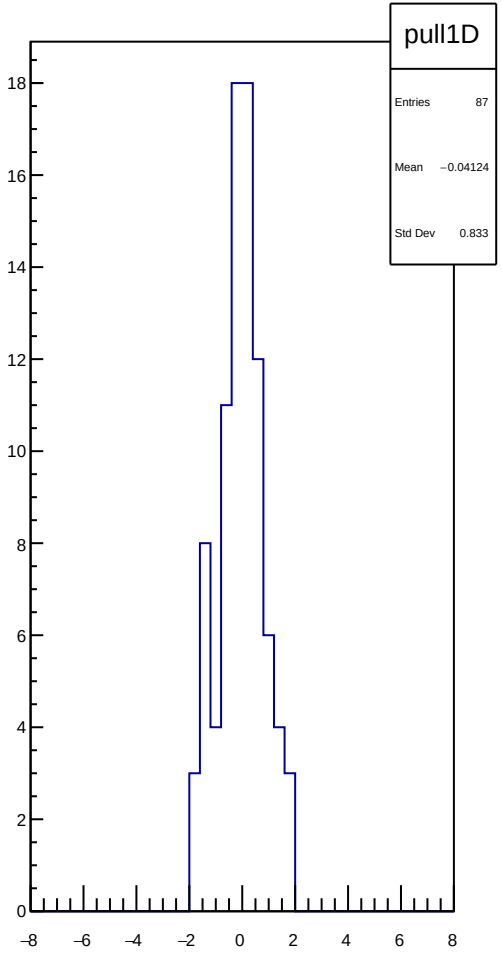

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.38 / 86
p0 17.47 ± 1.507
pull
Entries 87
Mean 36.26
Std Dev 93.09

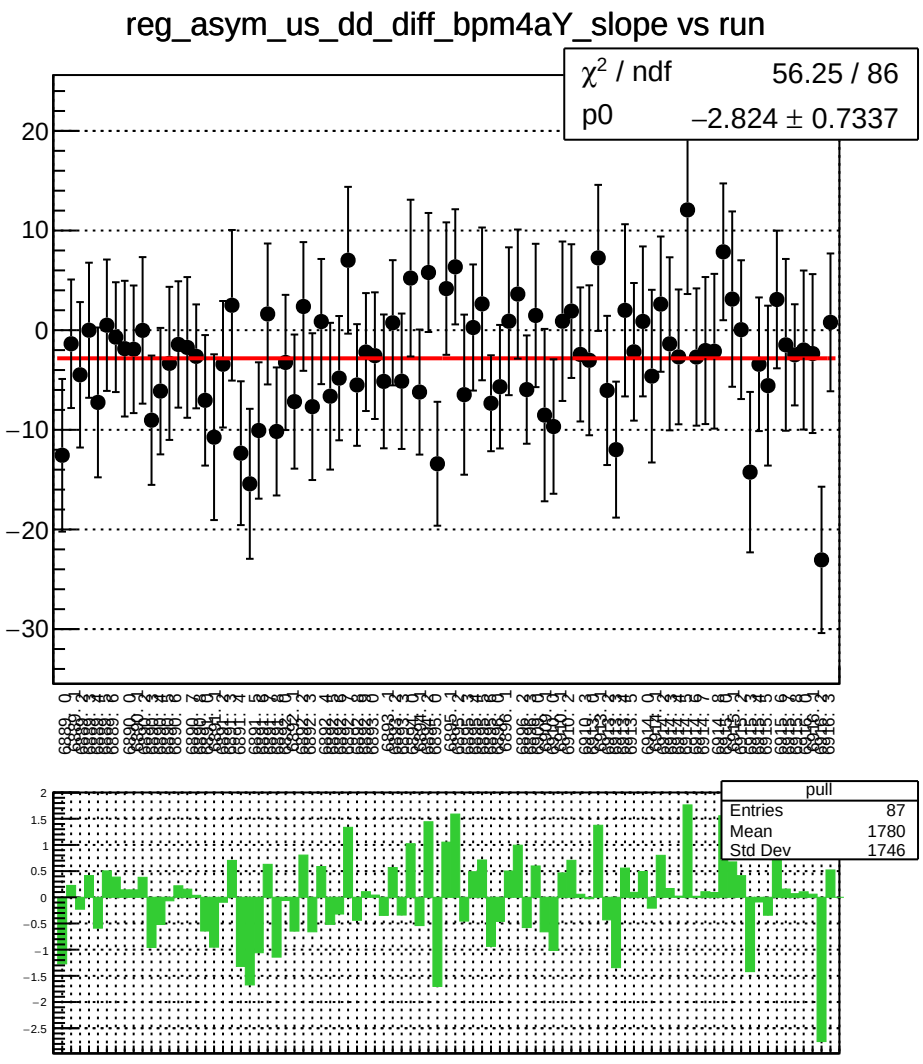

pull1D
Entries 87
Mean 0.009252
Std Dev 0.4719

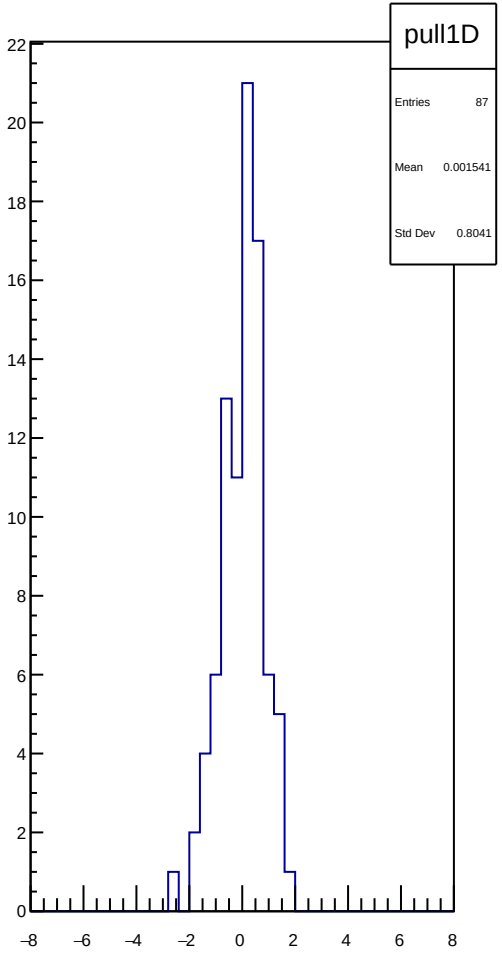

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 253.5 / 86
p0 −38.37 ± 0.06649
pull
Entries 87
Mean 938.3
Std Dev 890.3

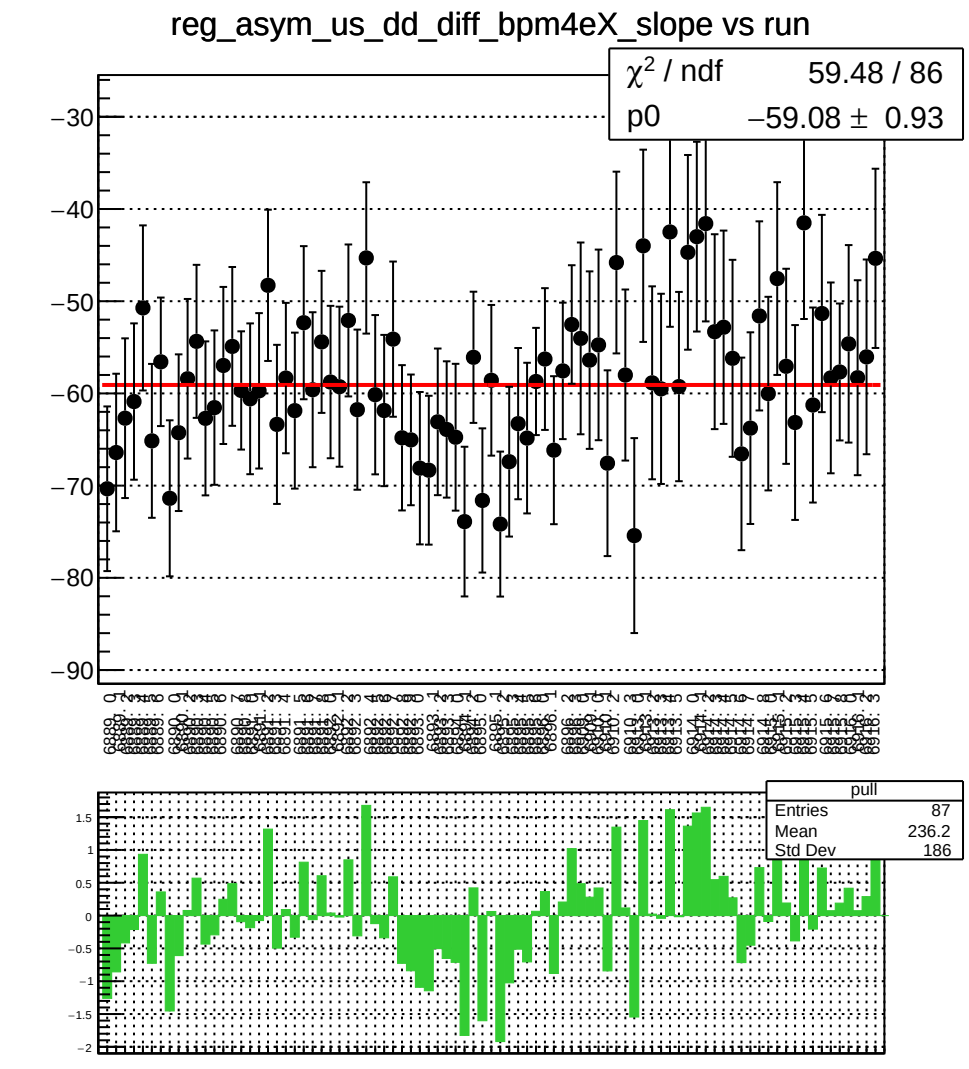

pull1D
Entries 87
Mean −0.03643
Std Dev 1.706

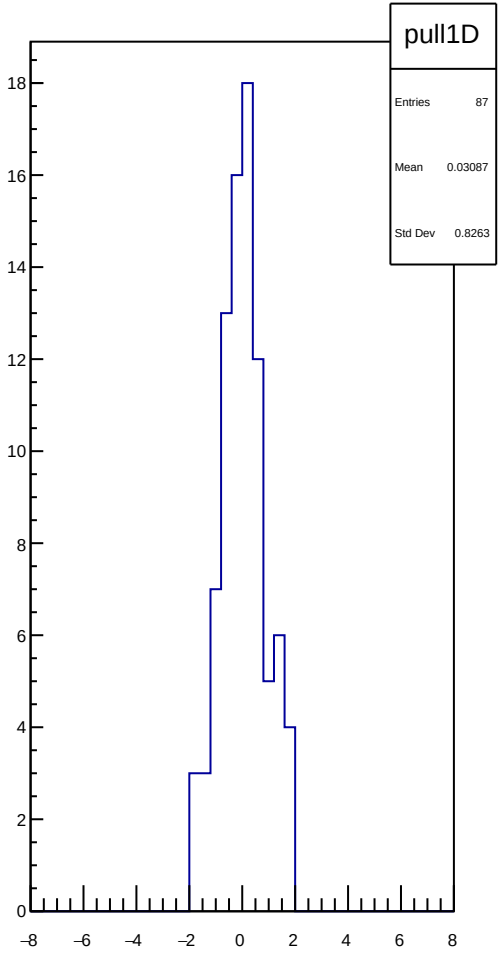

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 60.51 / 86
p0 −0.132 ± 0.9711
pull
Entries 87
Mean 201.6
Std Dev 150.8

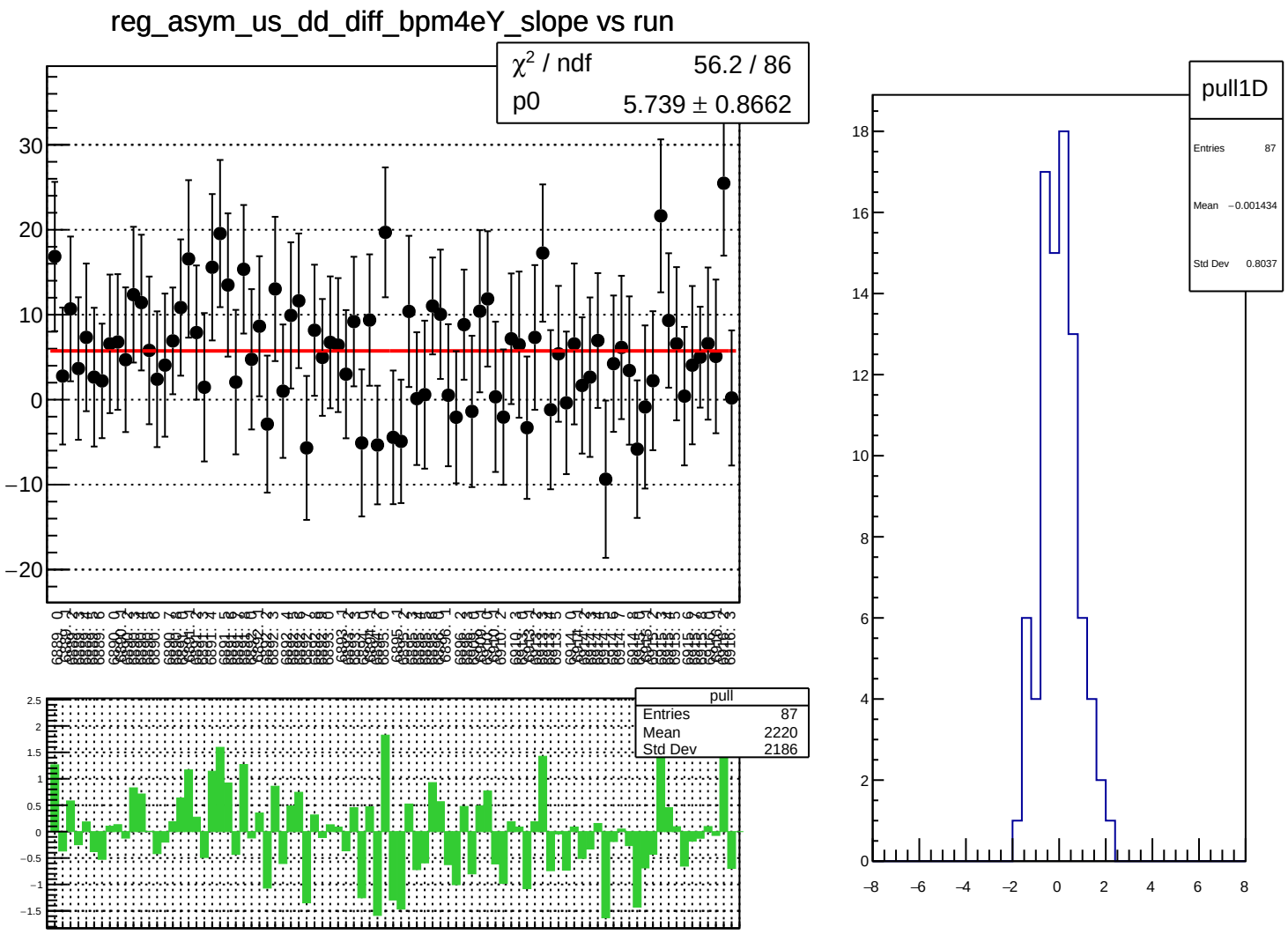

pull1D
Entries 87
Mean −0.04124
Std Dev 0.833

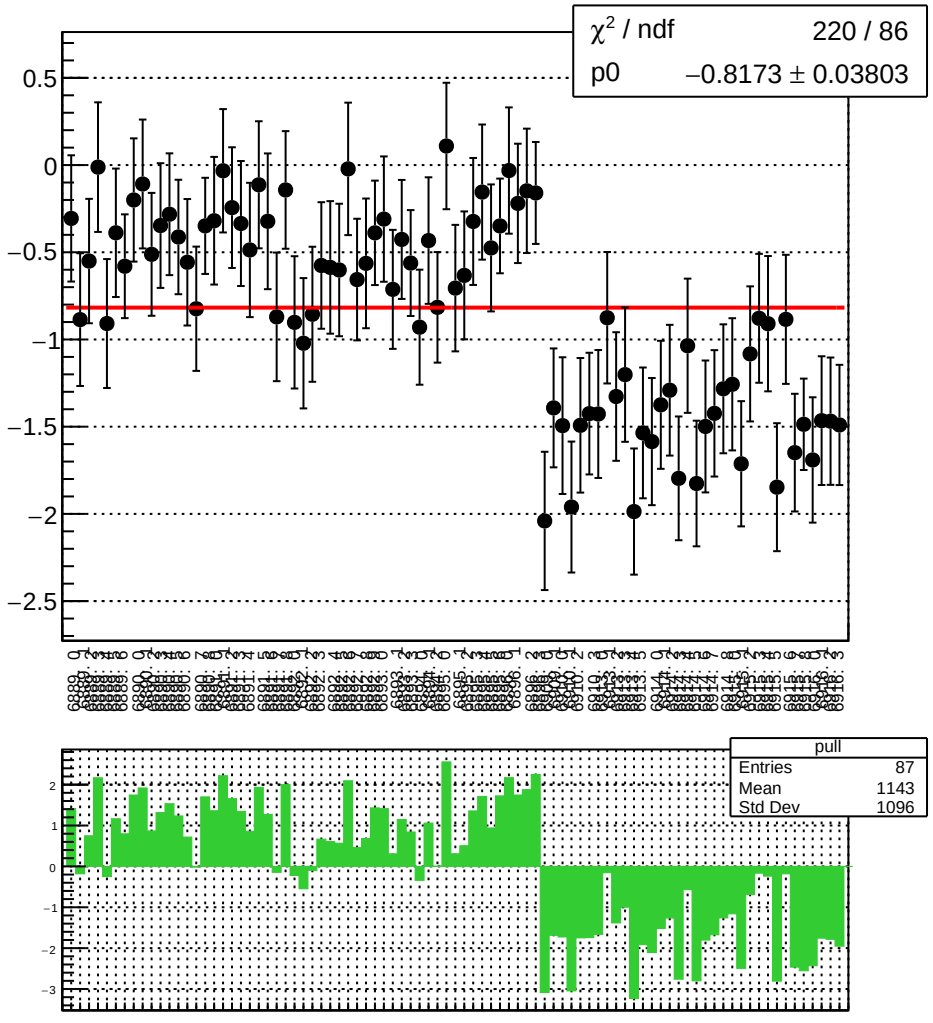

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.25 / 86
p0 −2.824 ± 0.7337
pull
Entries 87
Mean 1780
Std Dev 1746

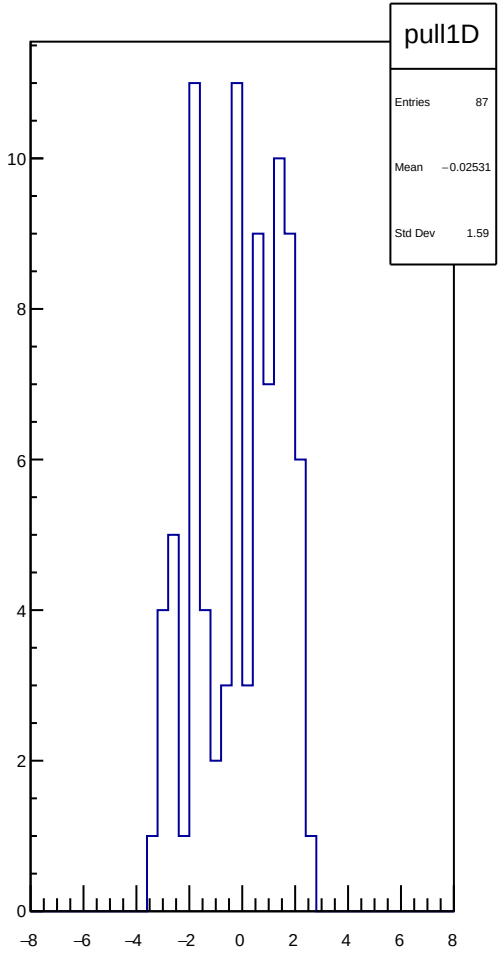

pull1D
Entries 87
Mean 0.001541
Std Dev 0.8041

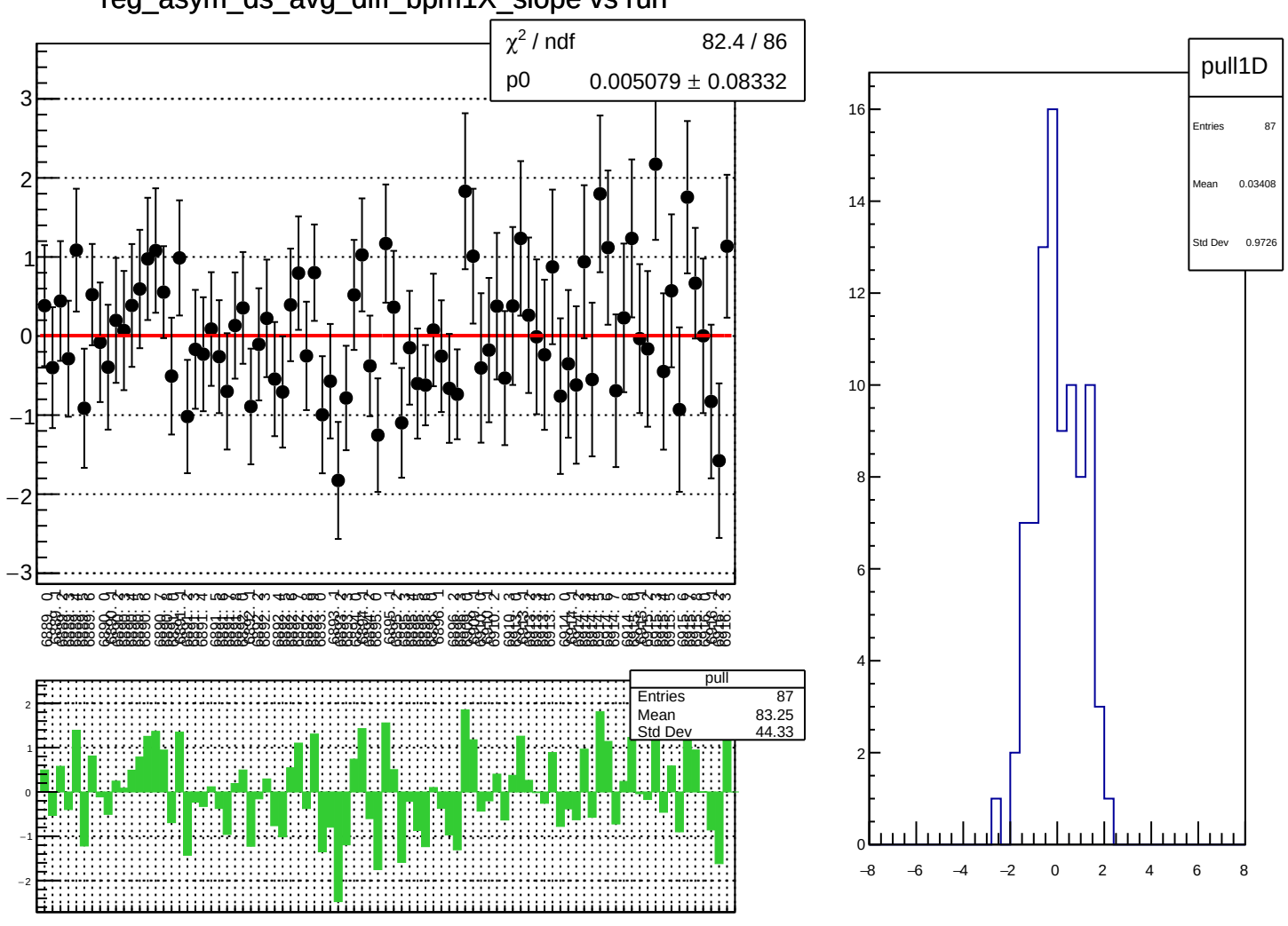

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.48 / 86
p0 −59.08 ± 0.93
pull
Entries 87
Mean 236.2
Std Dev 186

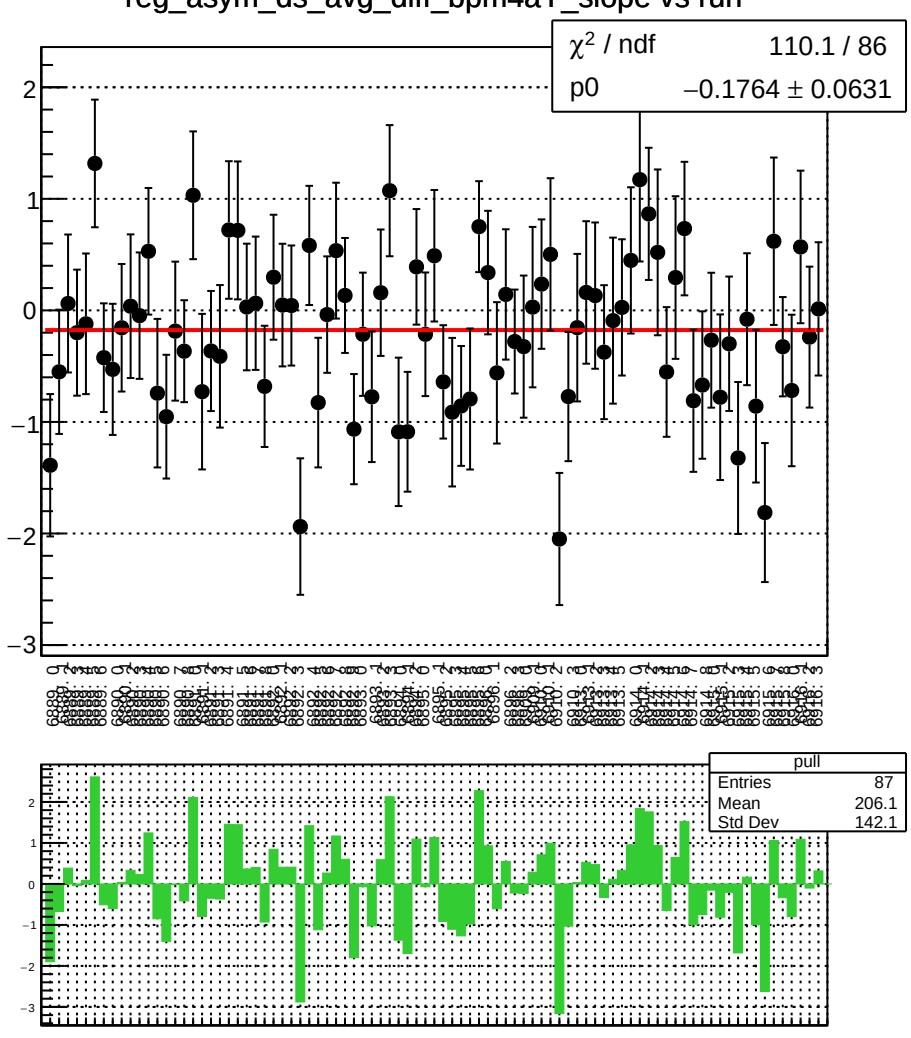

pull1D
Entries 87
Mean 0.03087
Std Dev 0.8263

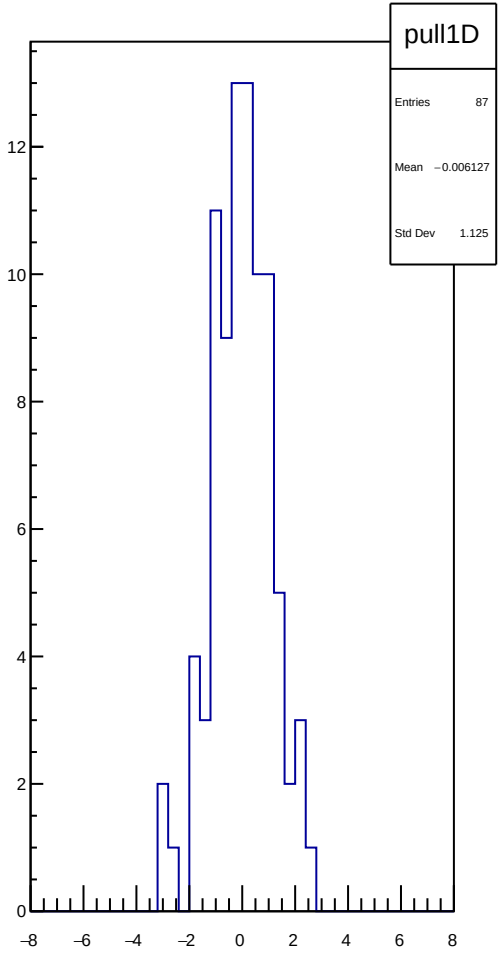

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.2 / 86
p0 5.739 ± 0.8662
pull
Entries 87
Mean 2220
Std Dev 2186
pull1D
Entries 87
Mean −0.001434
Std Dev 0.8037

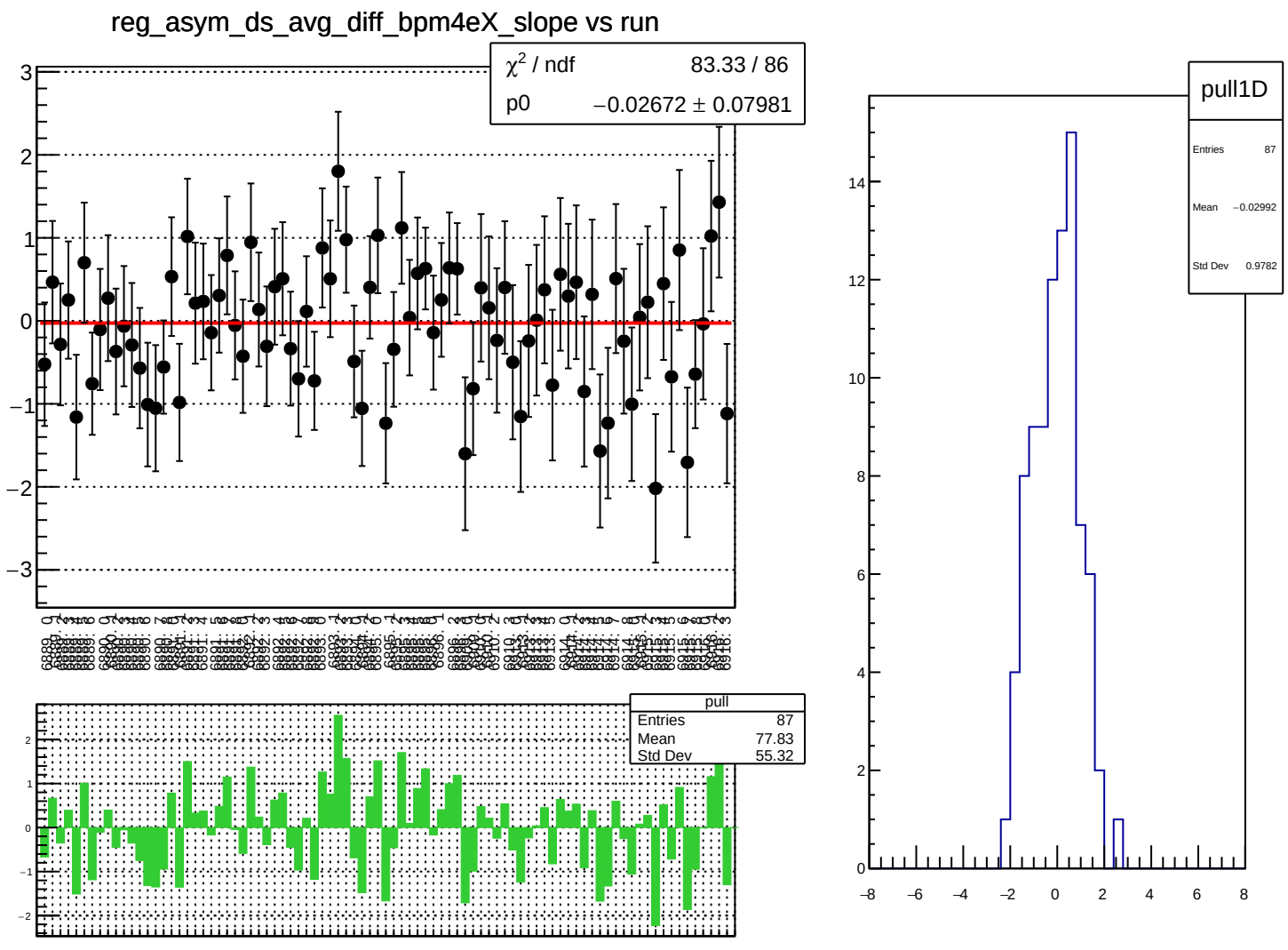

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 220 / 86
p0 −0.8173 ± 0.03803
pull
Entries 87
Mean 1143
Std Dev 1096

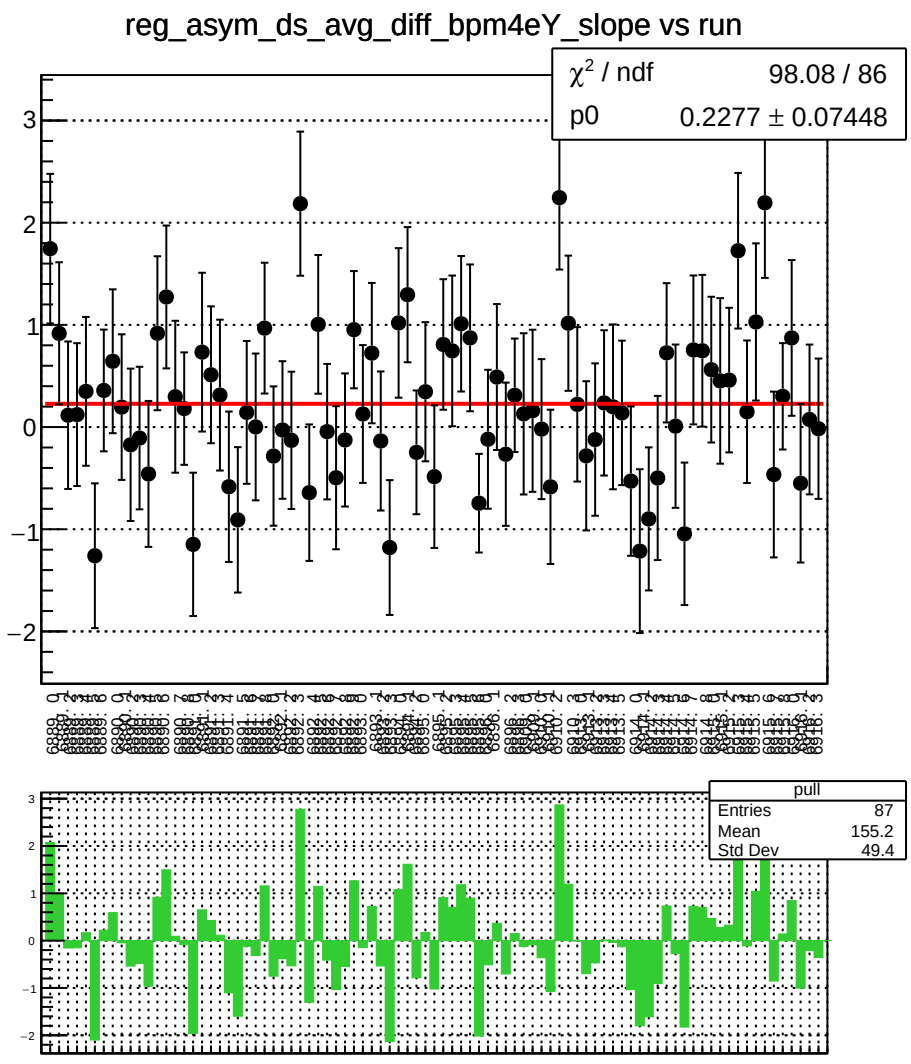

pull1D
Entries 87
Mean −0.02531
Std Dev 1.59

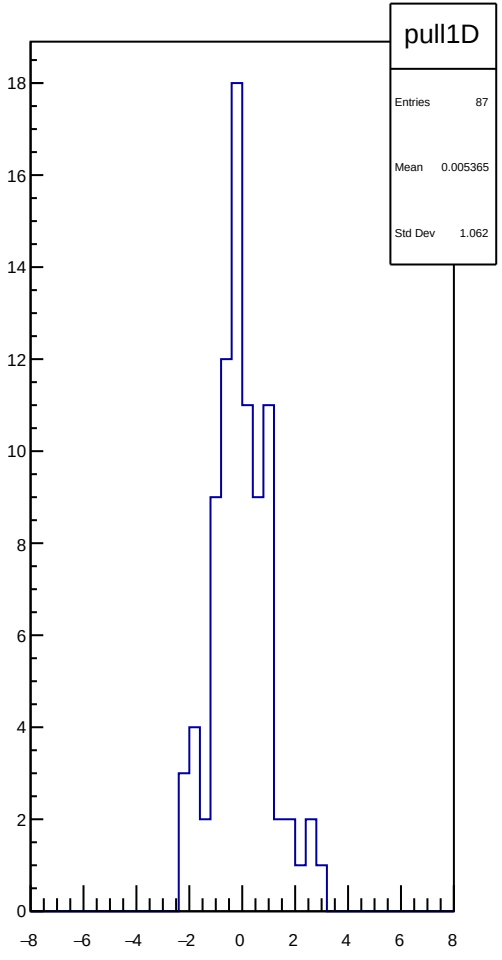

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 82.4 / 86
p0 0.005079 ± 0.08332
pull
Entries 87
Mean 83.25
Std Dev 44.33
pull1D
Entries 87
Mean 0.03408
Std Dev 0.9726

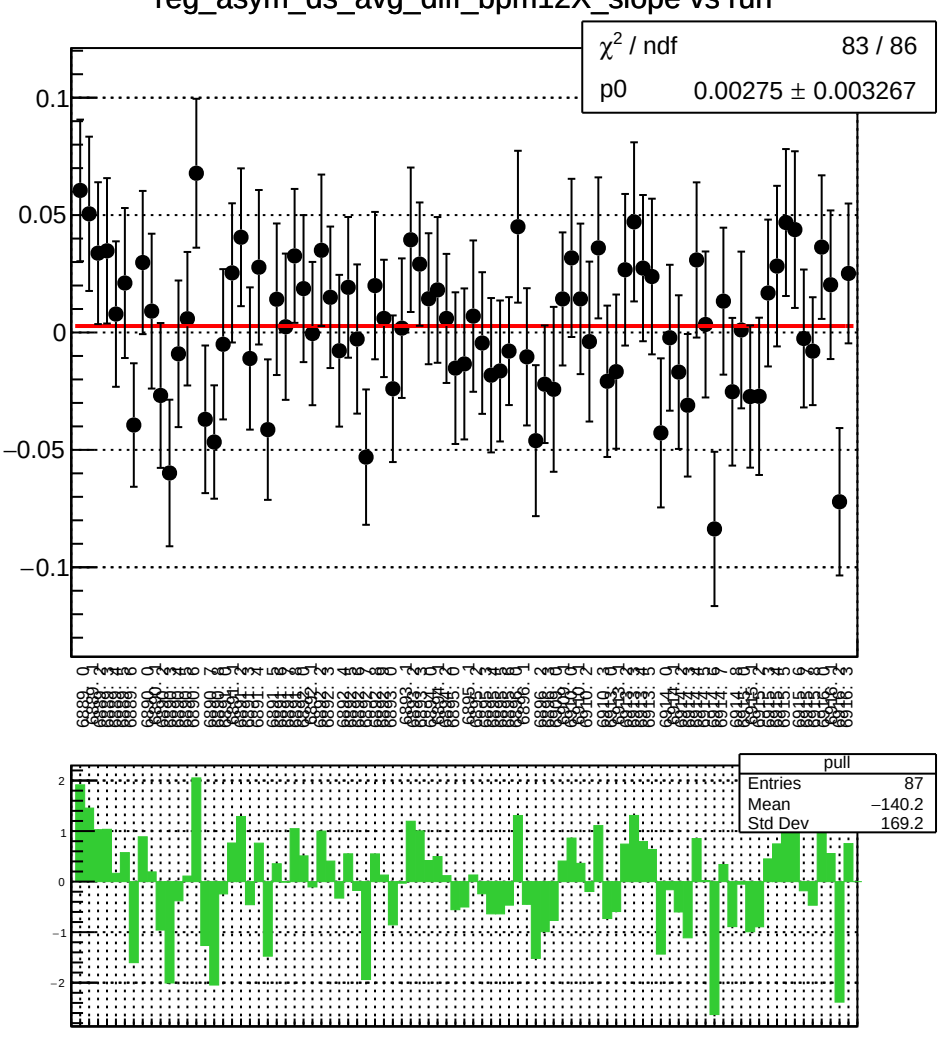

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 110.1 / 86
p0 −0.1764 ± 0.0631
pull
Entries 87
Mean 206.1
Std Dev 142.1

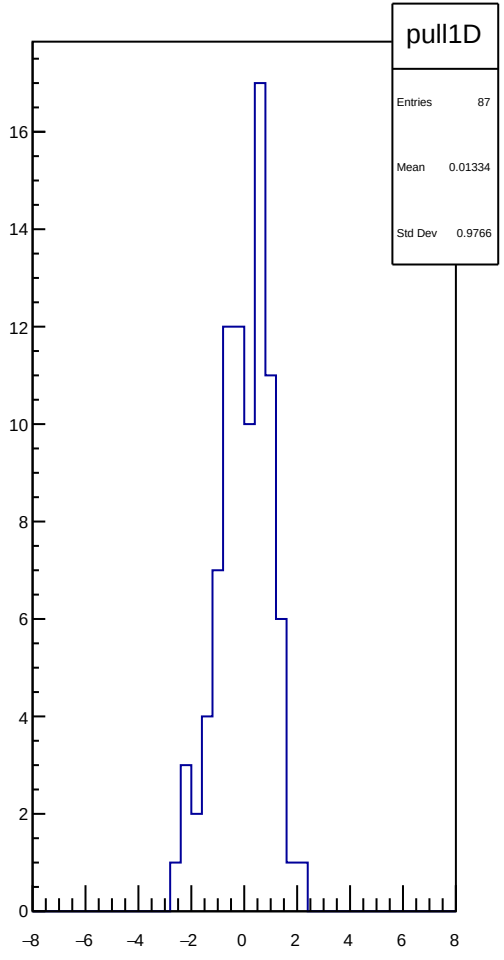

pull1D
Entries 87
Mean −0.006127
Std Dev 1.125

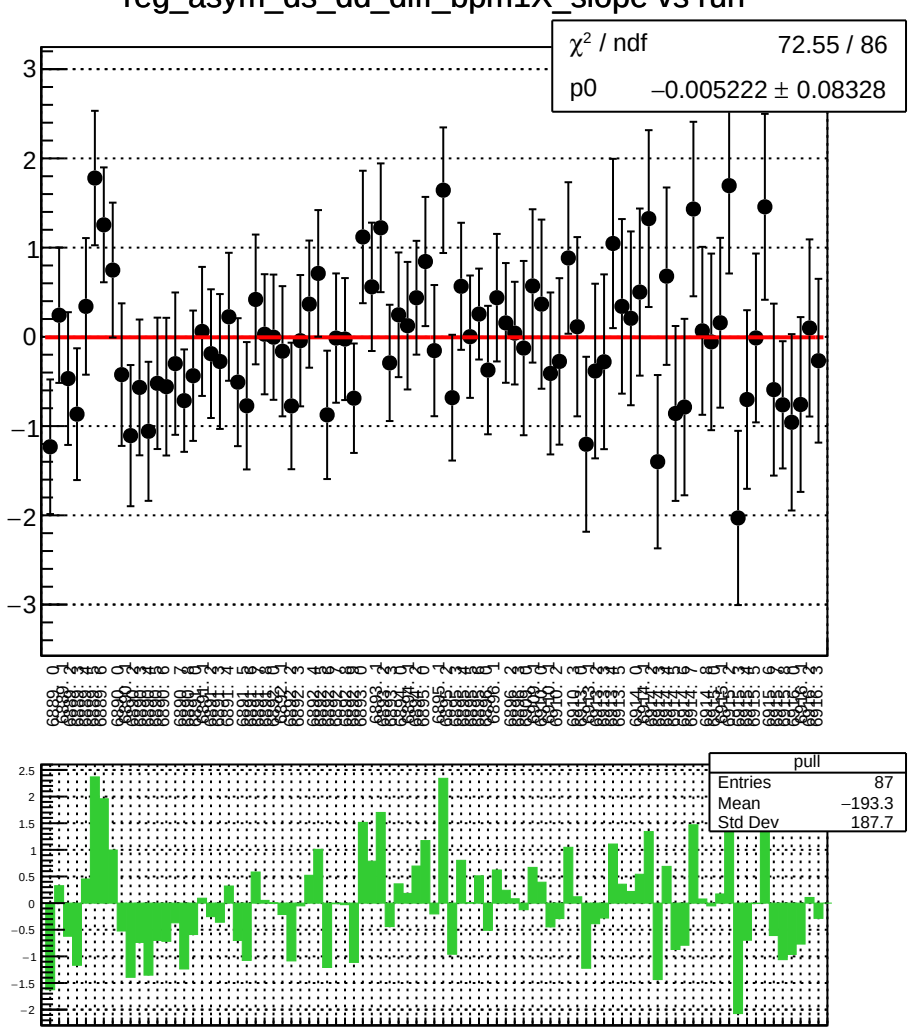

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.33 / 86
p0 −0.02672 ± 0.07981
pull
Entries 87
Mean 77.83
Std Dev 55.32
pull1D
Entries 87
Mean −0.02992
Std Dev 0.9782

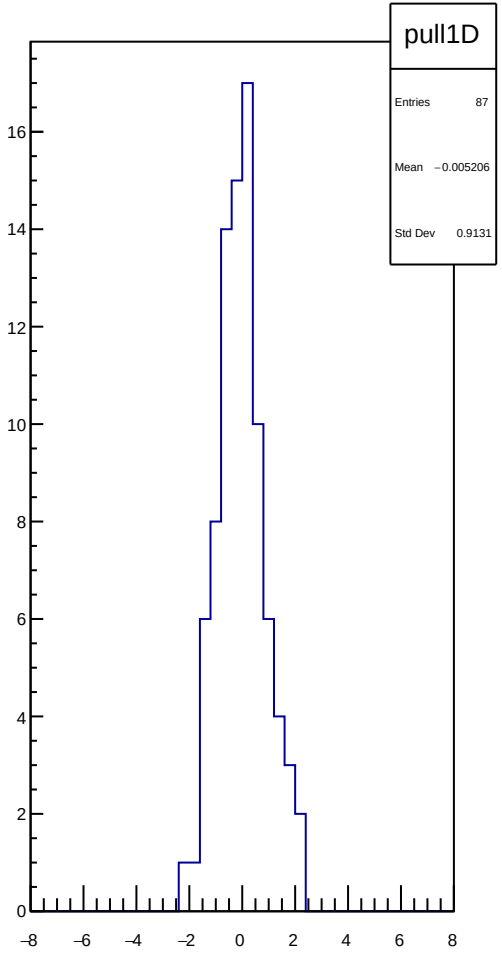

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.08 / 86
p0 0.2277 ± 0.07448
pull
Entries 87
Mean 155.2
Std Dev 49.4

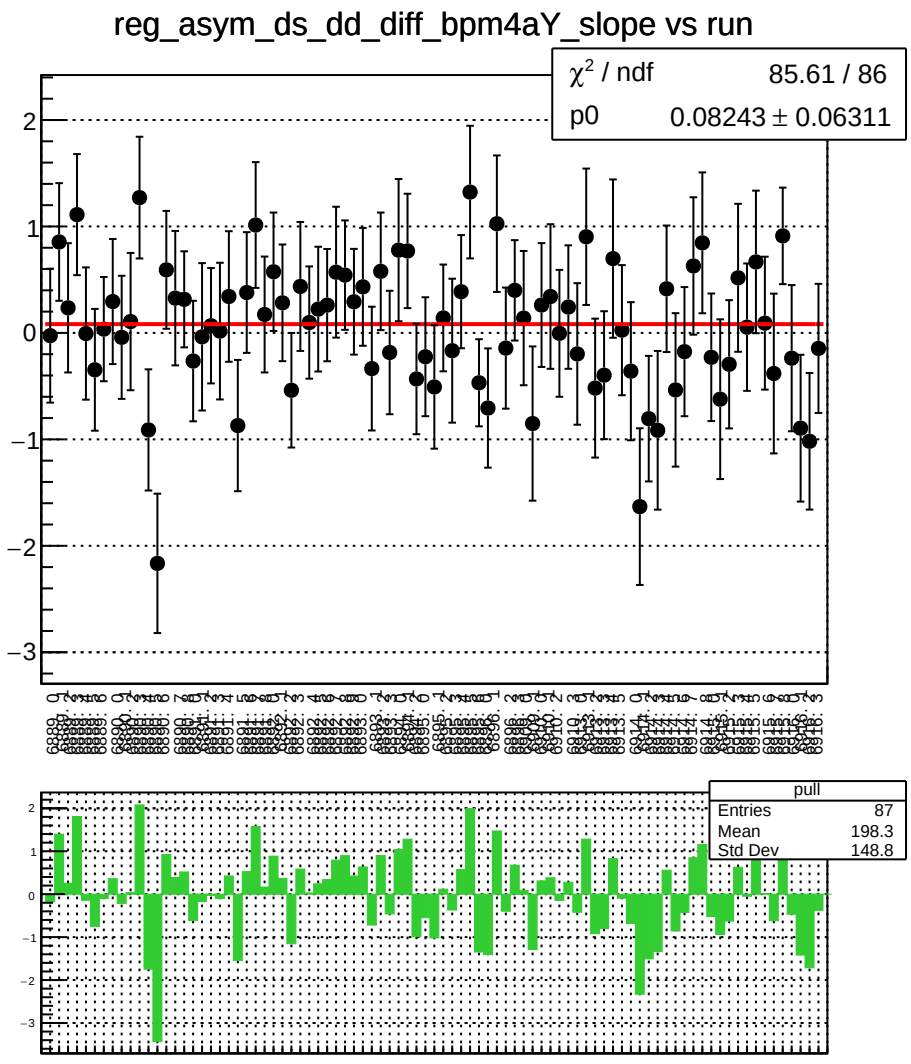

pull1D
Entries 87
Mean 0.005365
Std Dev 1.062

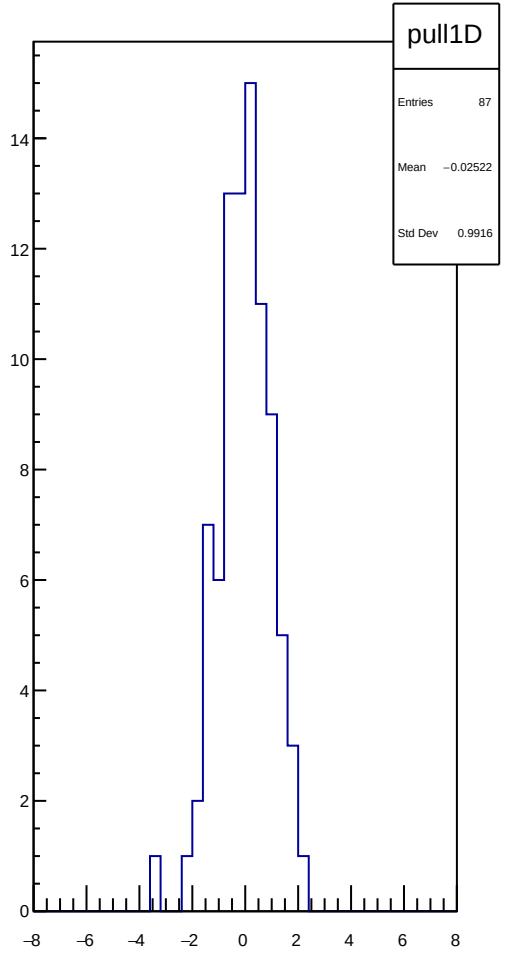

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 83 / 86
p0 0.00275 ± 0.003267
0.1
0.05
0
−0.05
−0.1
pull
Entries 87
Mean −140.2
Std Dev 169.2
2
1
0
−1
−2

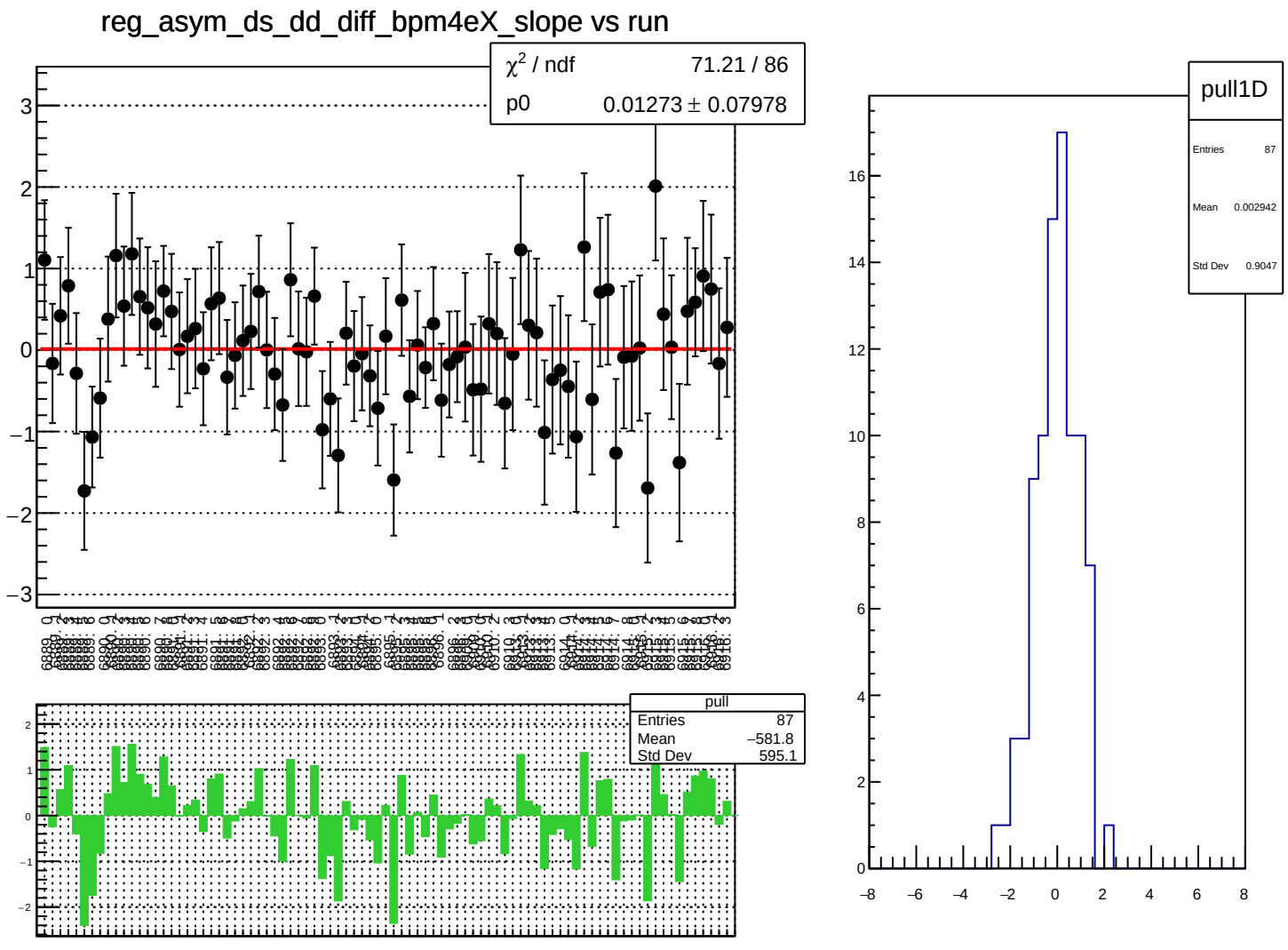

pull1D
Entries 87
Mean 0.01334
Std Dev 0.9766
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

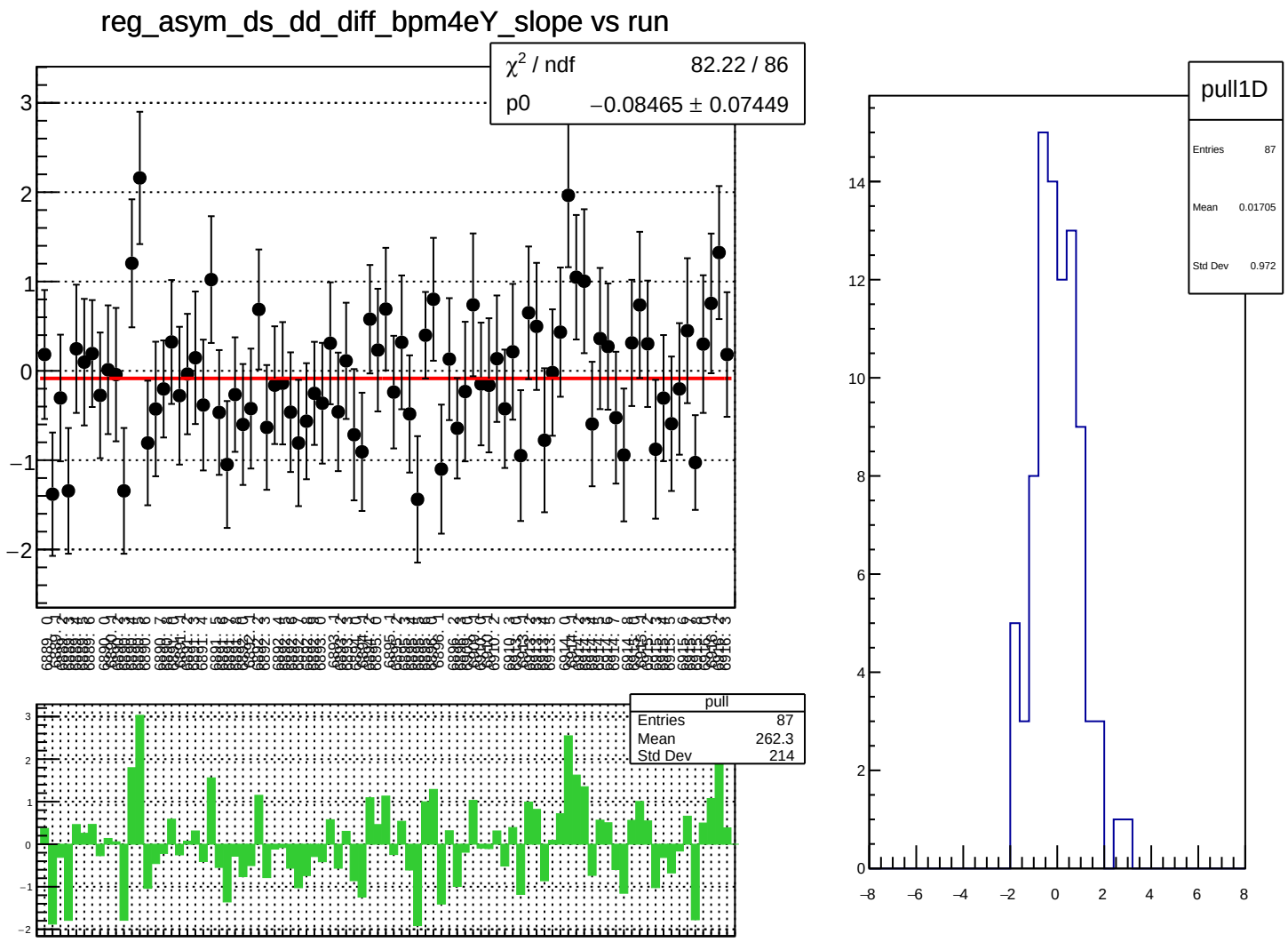

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 72.55 / 86
p0 −0.005222 ± 0.08328
pull
Entries 87
Mean −193.3
Std Dev 187.7

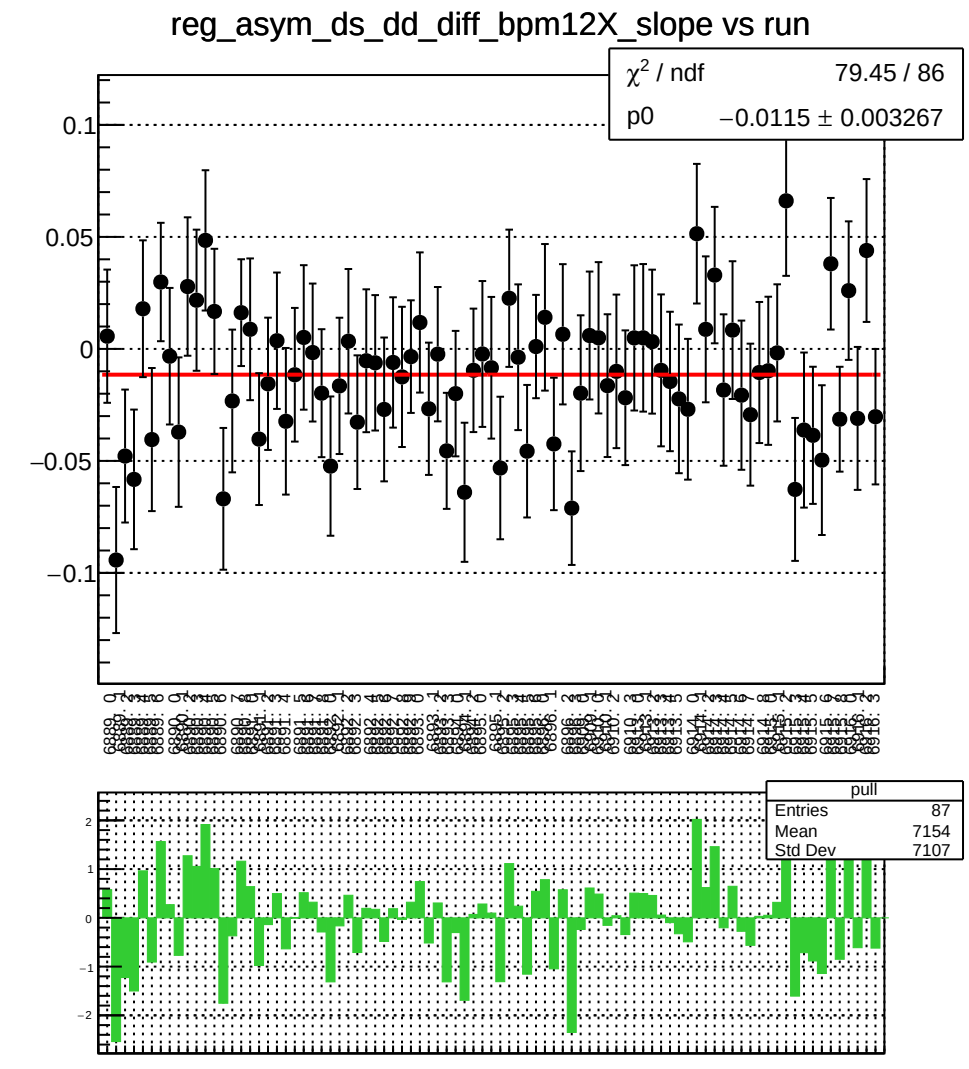

pull1D
Entries 87
Mean −0.005206
Std Dev 0.9131

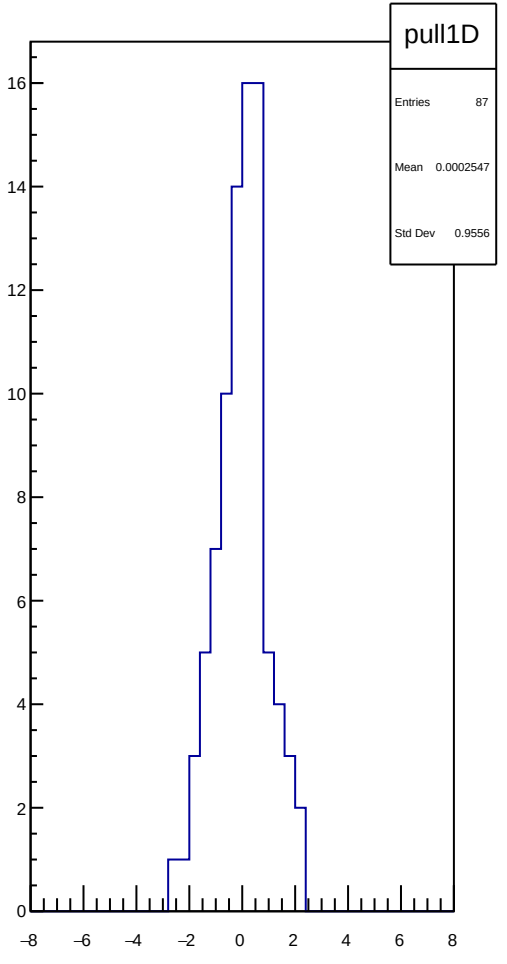

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.61 / 86
p0 0.08243 ± 0.06311
pull
Entries 87
Mean 198.3
Std Dev 148.8

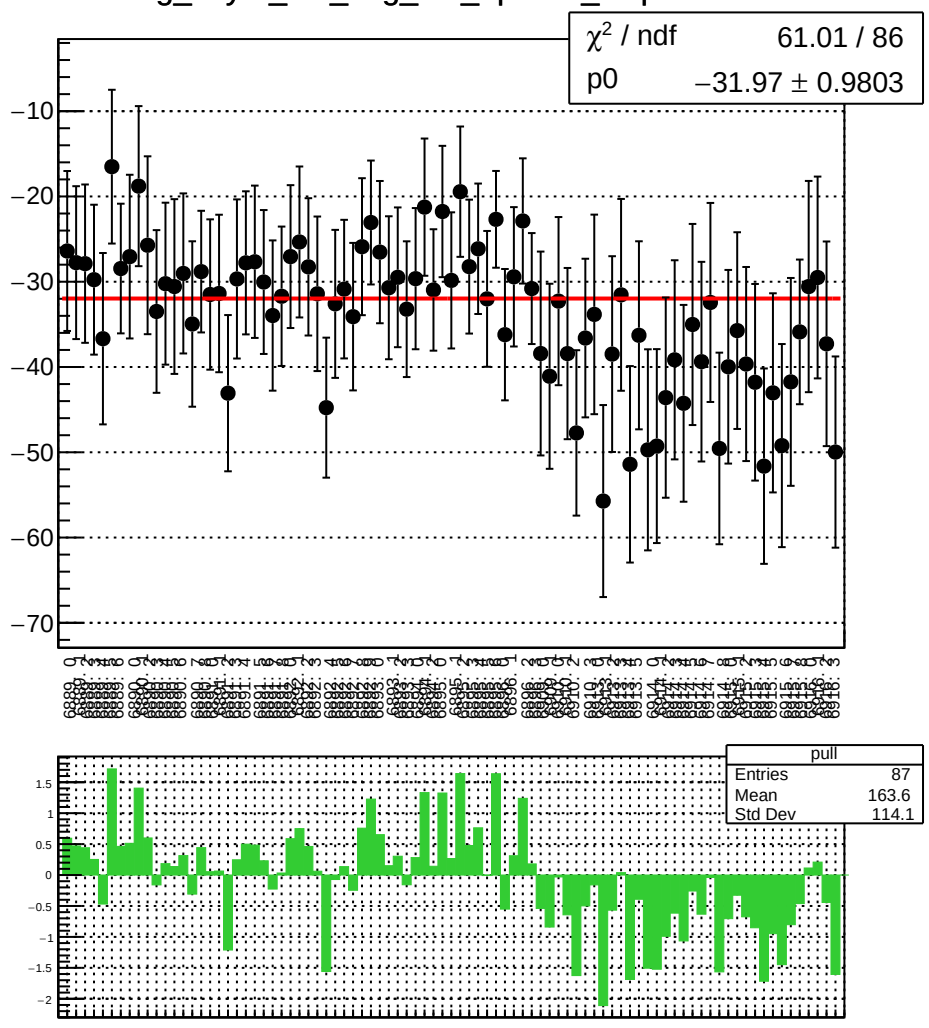

pull1D
Entries 87
Mean −0.02522
Std Dev 0.9916

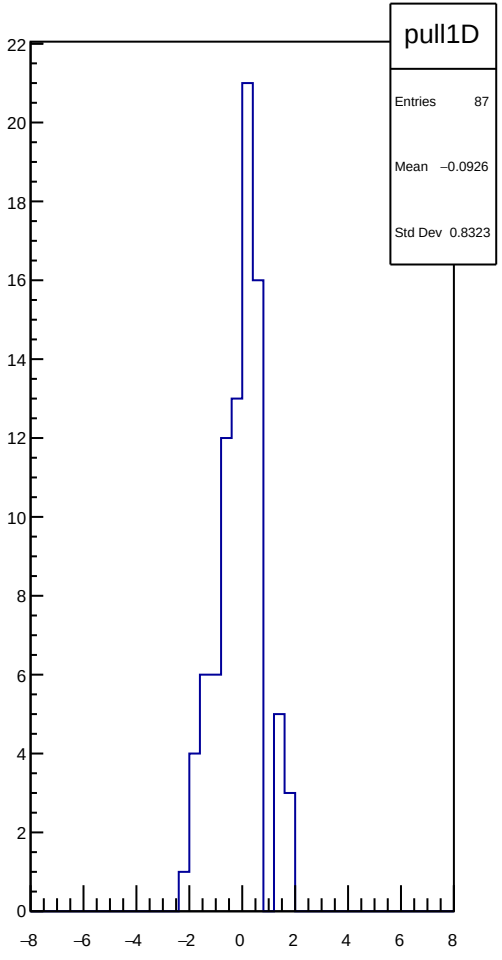

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.21 / 86
p0 0.01273 ± 0.07978
pull
Entries 87
Mean −581.8
Std Dev 595.1
pull1D
Entries 87
Mean 0.002942
Std Dev 0.9047

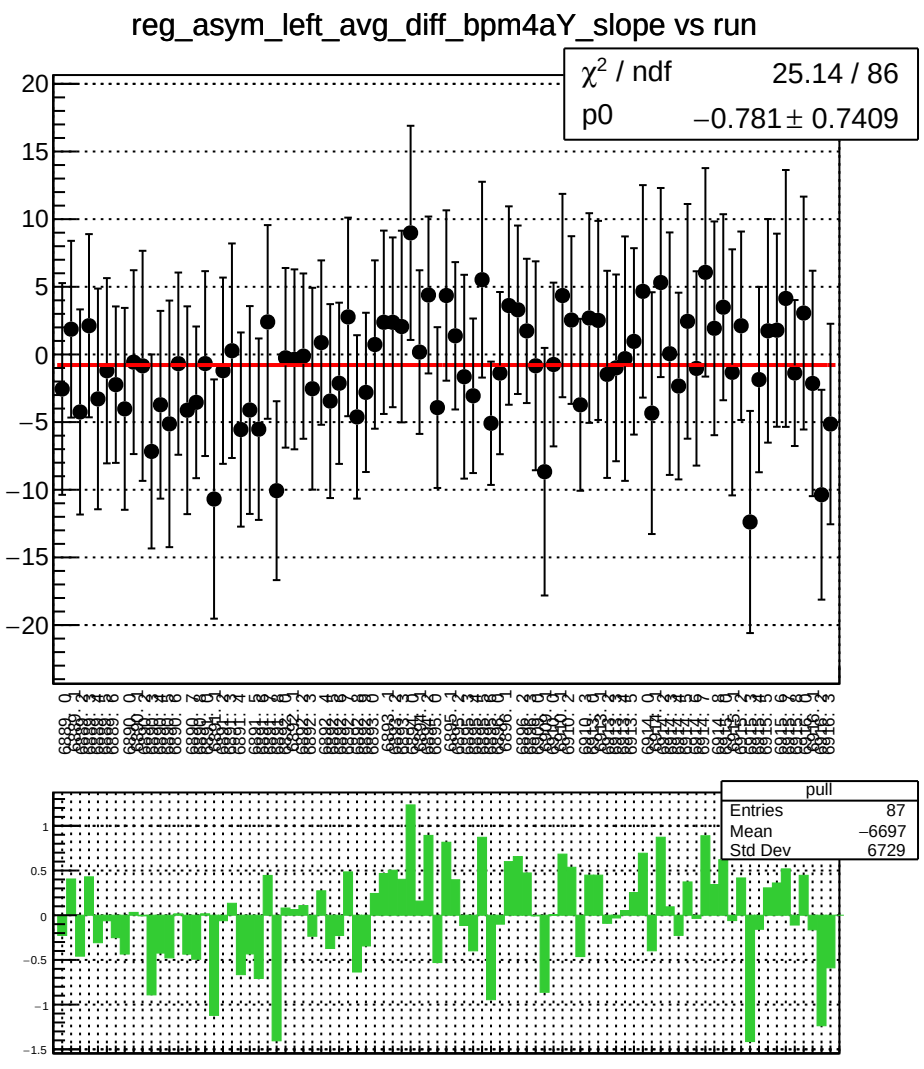

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.22 / 86
p0 −0.08465 ± 0.07449
pull
Entries 87
Mean 262.3
Std Dev 214
pull1D
Entries 87
Mean 0.01705
Std Dev 0.972

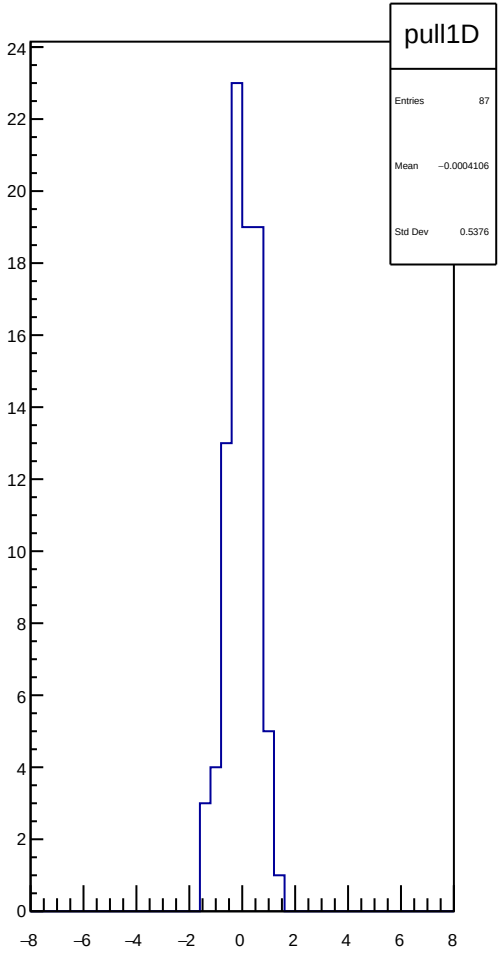

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 79.45 / 86
p0 −0.0115 ± 0.003267
0.1
0.05
0
−0.05
−0.1
pull
Entries 87
Mean 7154
Std Dev 7107
2
1
0
−1
−2

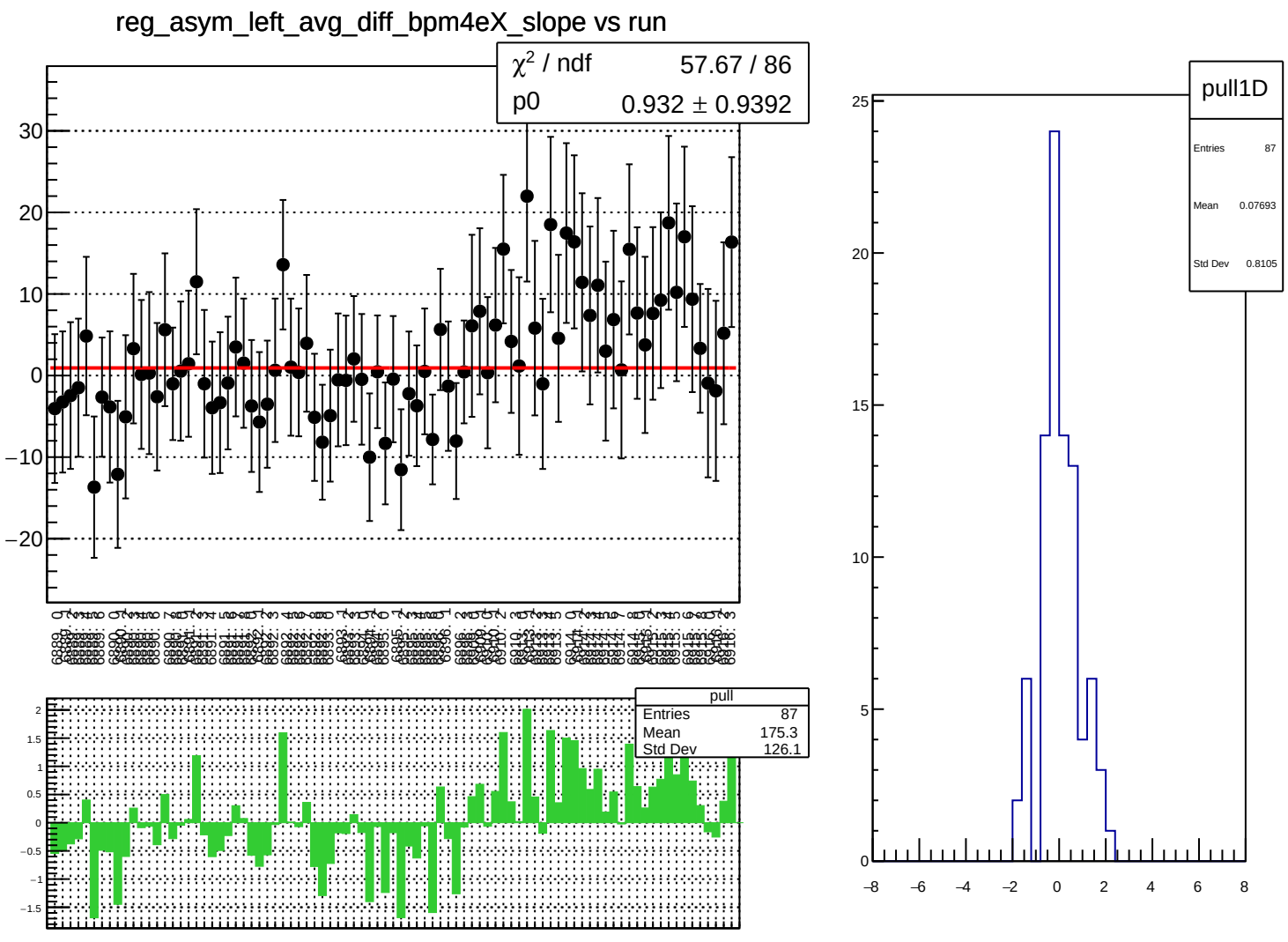

pull1D
Entries 87
Mean 0.0002547
Std Dev 0.9556
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

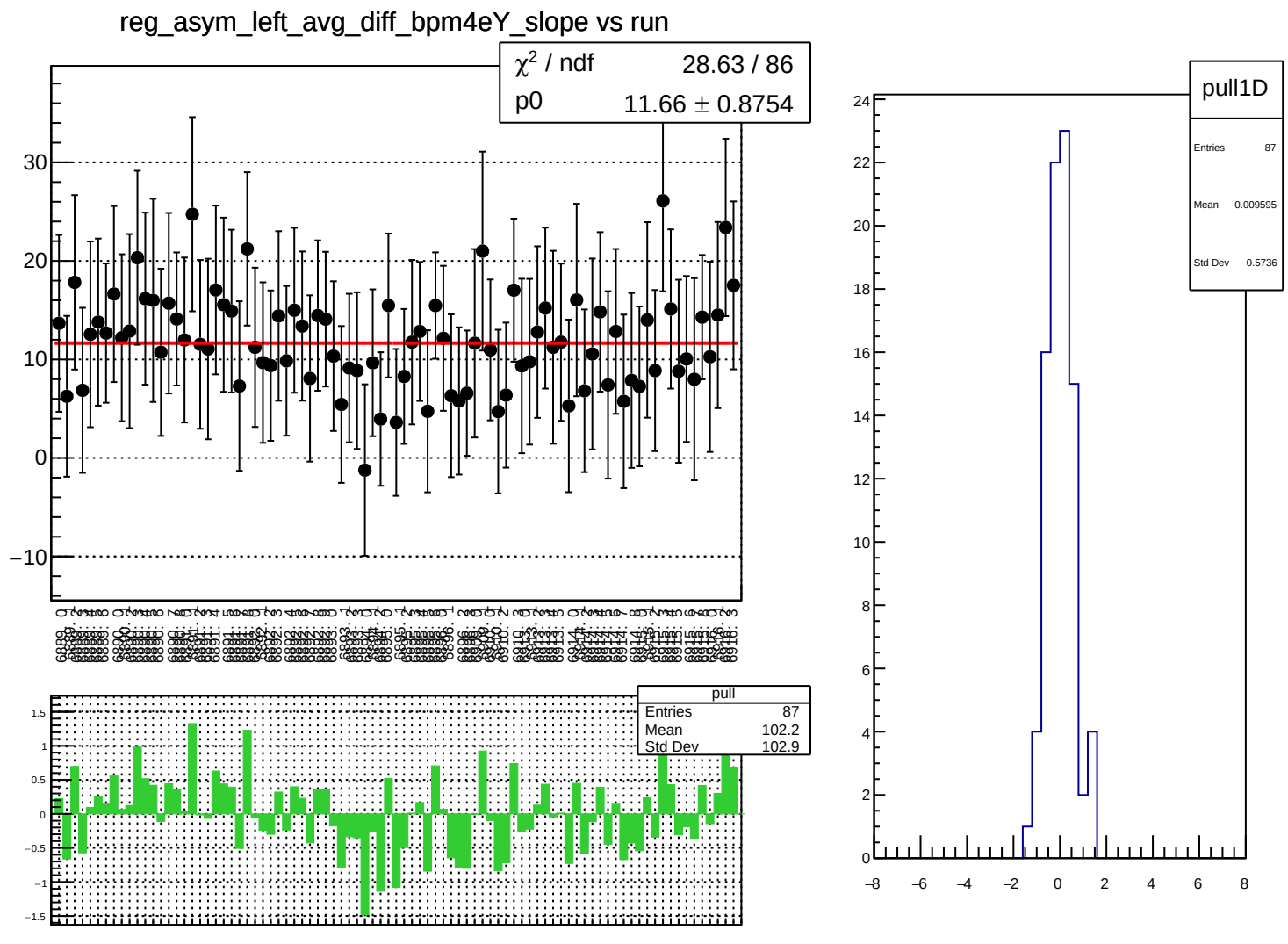

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 61.01 / 86
p0 −31.97 ± 0.9803
pull
Entries 87
Mean 163.6
Std Dev 114.1

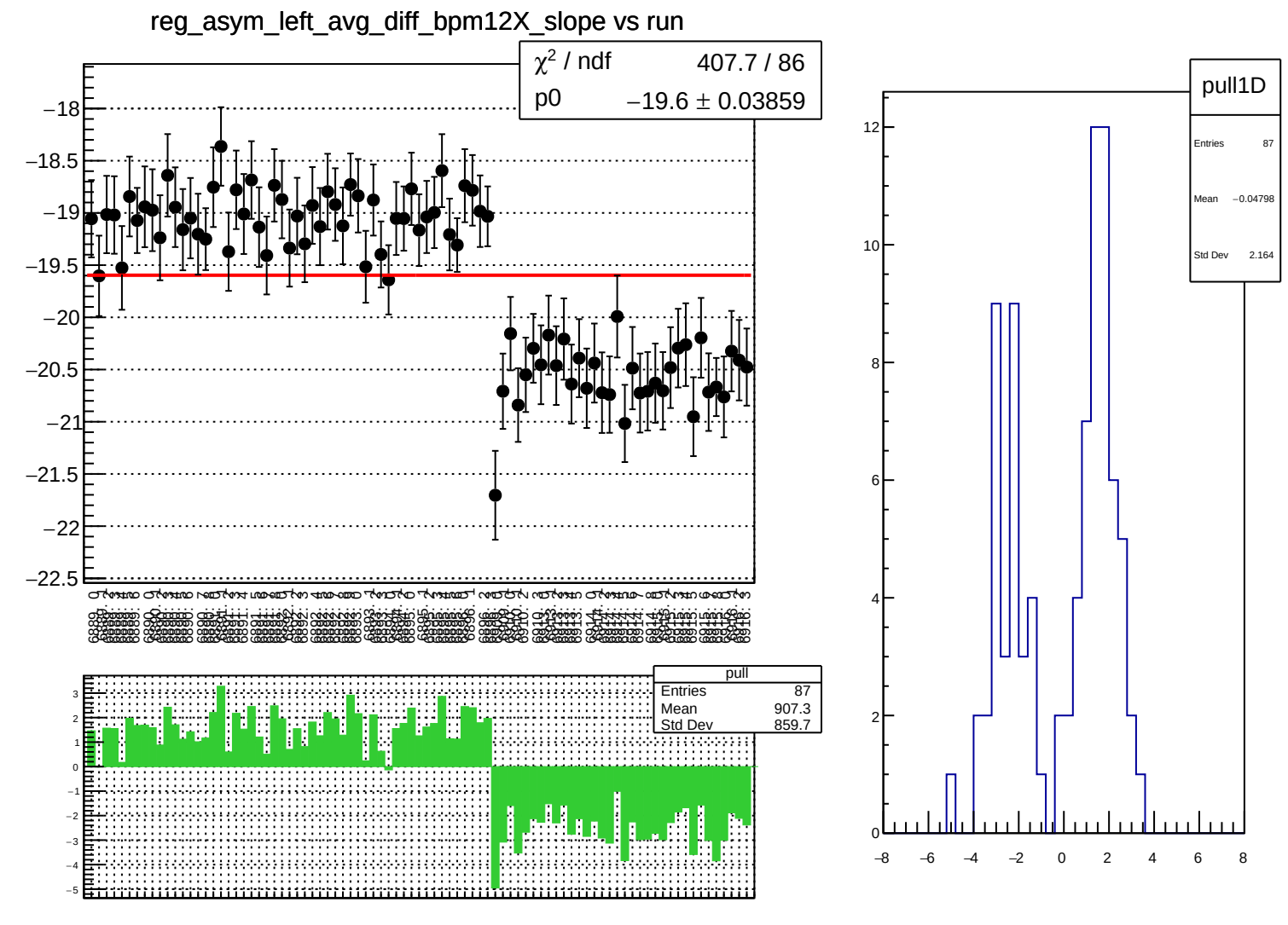

pull1D
Entries 87
Mean −0.0926
Std Dev 0.8323

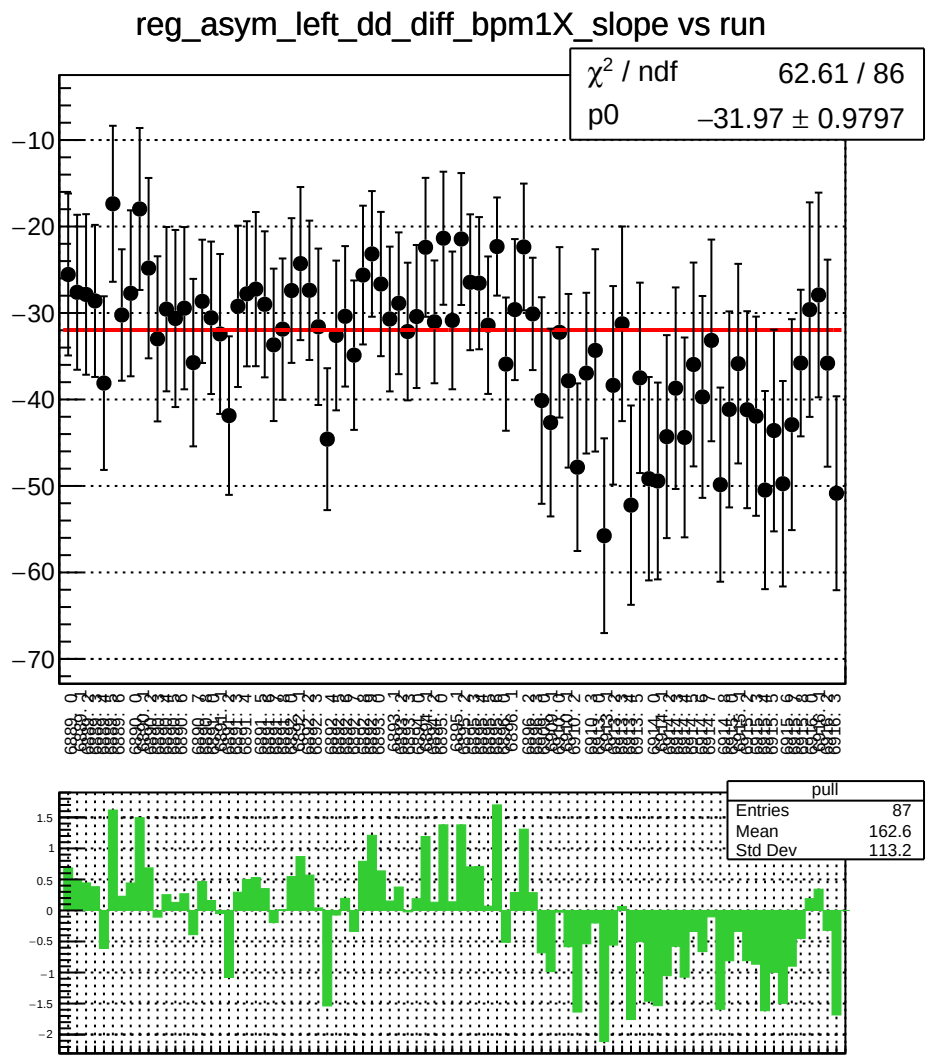

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.14 / 86
p0 −0.781 ± 0.7409
pull
Entries 87
Mean −6697
Std Dev 6729

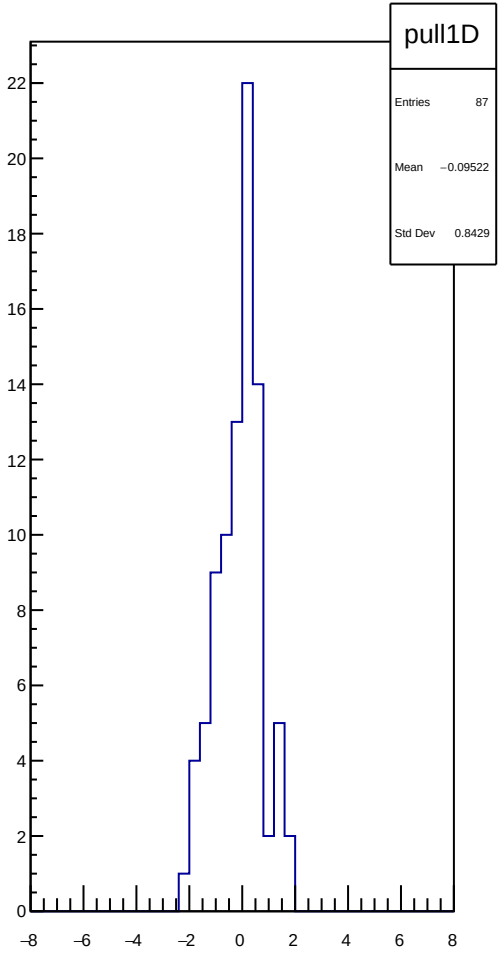

pull1D
Entries 87
Mean −0.0004106
Std Dev 0.5376

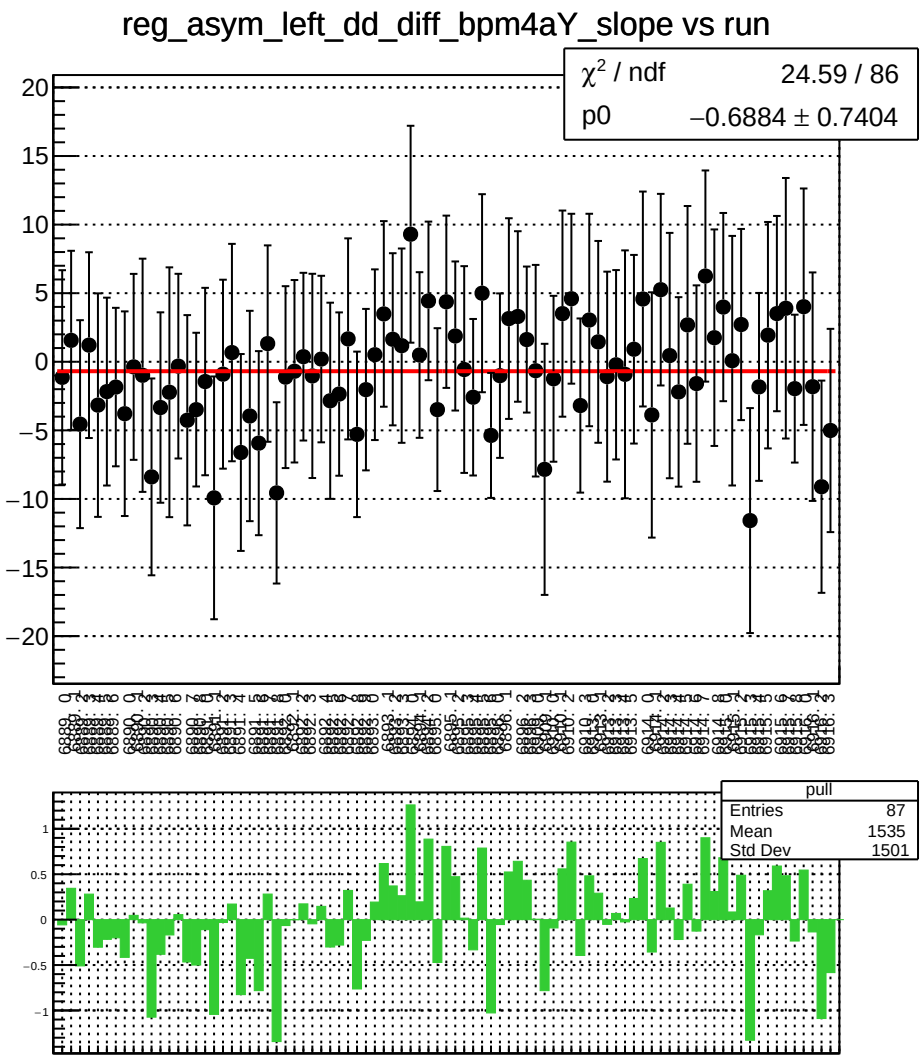

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.67 / 86
p0 0.932 ± 0.9392
pull
Entries 87
Mean 175.3
Std Dev 126.1
pull1D
Entries 87
Mean 0.07693
Std Dev 0.8105

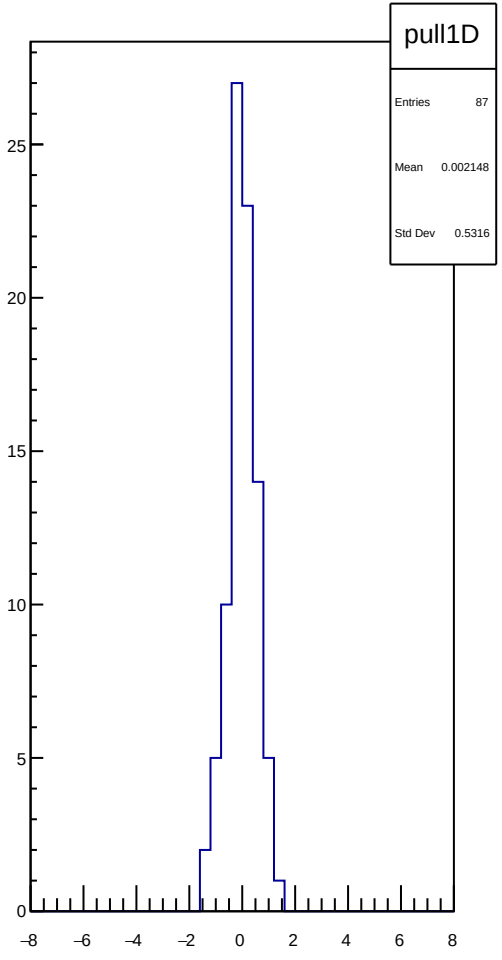

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.63 / 86
p0 11.66 ± 0.8754
pull
Entries 87
Mean −102.2
Std Dev 102.9
pull1D
Entries 87
Mean 0.009595
Std Dev 0.5736

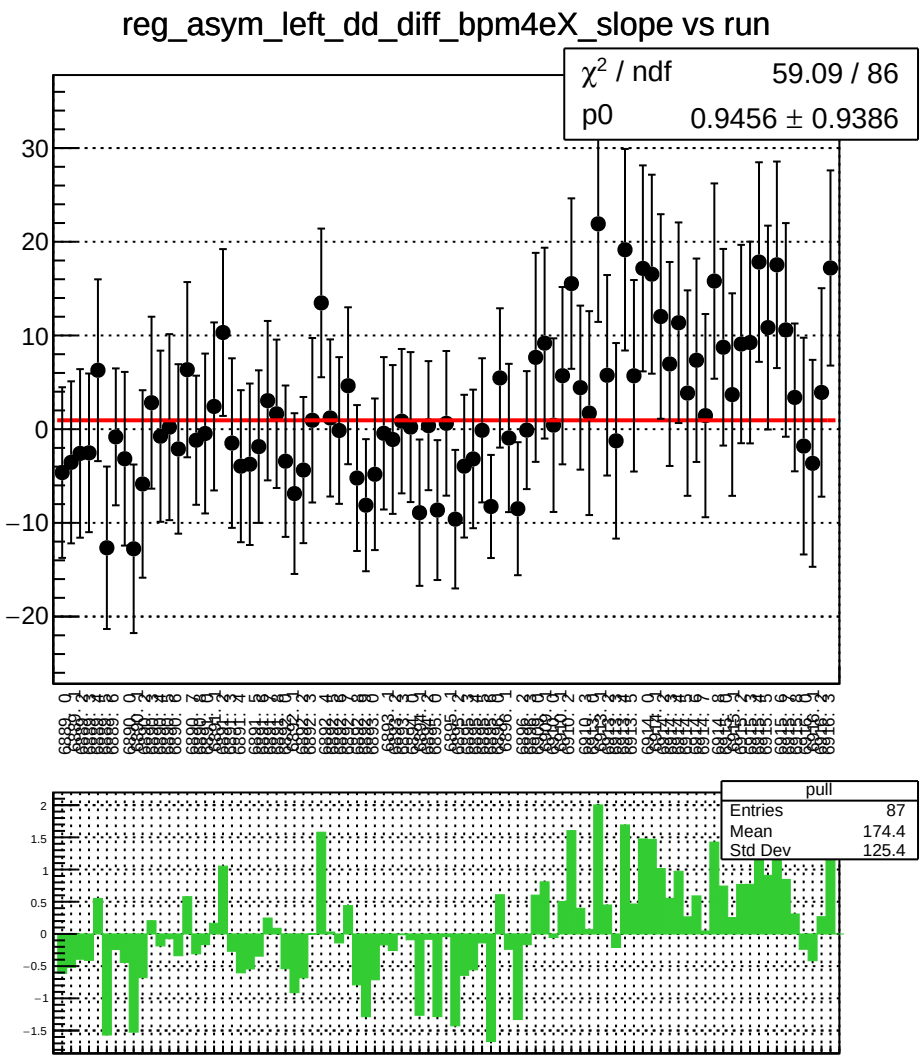

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 407.7 / 86
p0 −19.6 ± 0.03859
−18
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
−22
−22.5
pull
Entries 87
Mean 907.3
Std Dev 859.7
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 87
Mean −0.04798
Std Dev 2.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

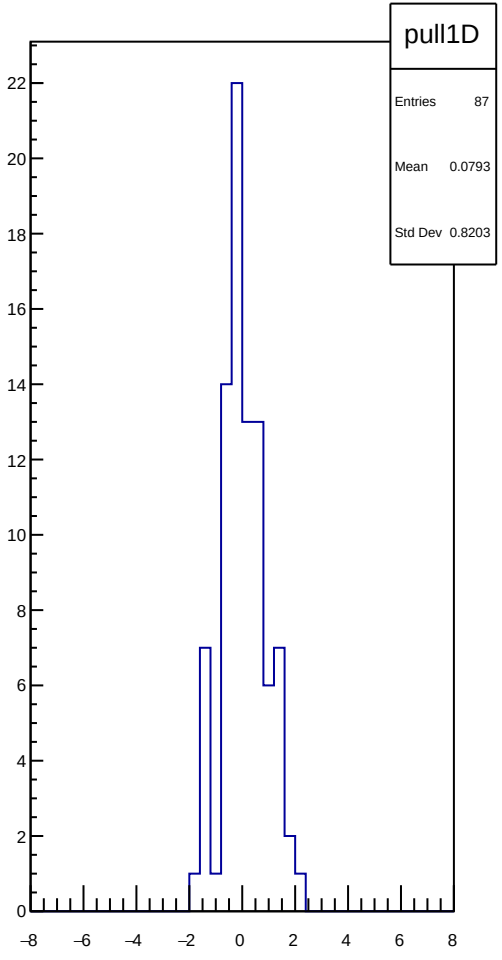

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 62.61 / 86
p0 −31.97 ± 0.9797
pull
Entries 87
Mean 162.6
Std Dev 113.2

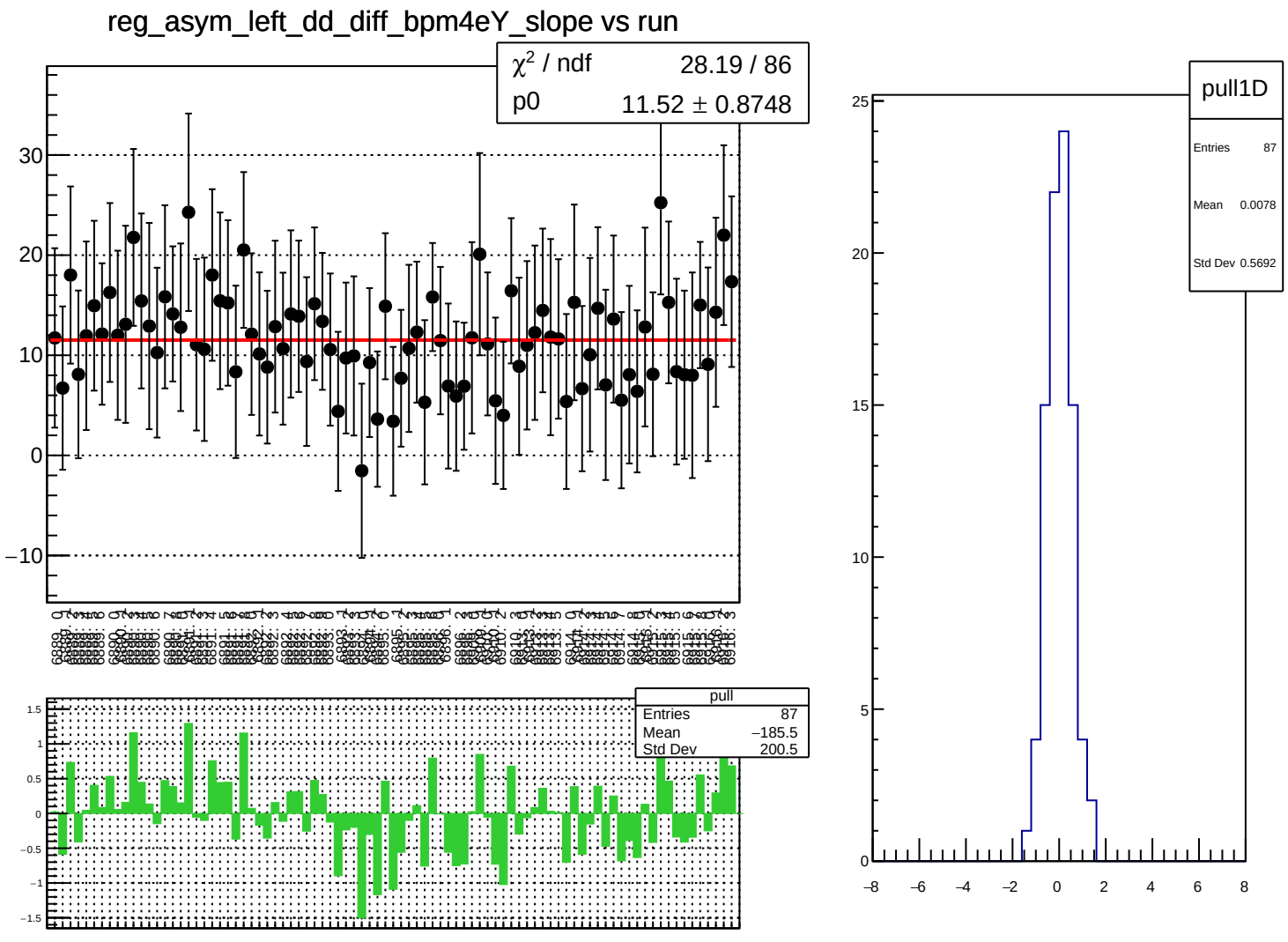

pull1D
Entries 87
Mean −0.09522
Std Dev 0.8429

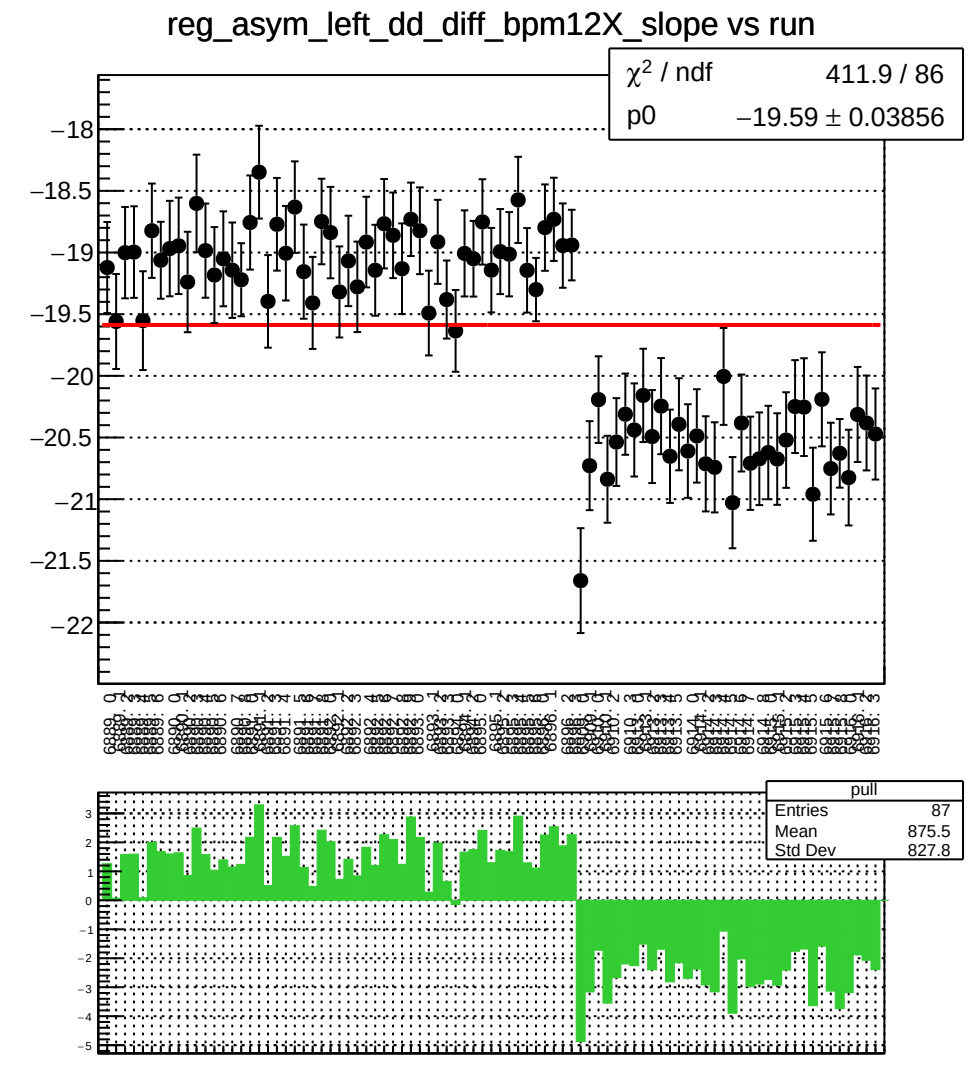

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.59 / 86
p0 −0.6884 ± 0.7404
pull
Entries 87
Mean 1535
Std Dev 1501

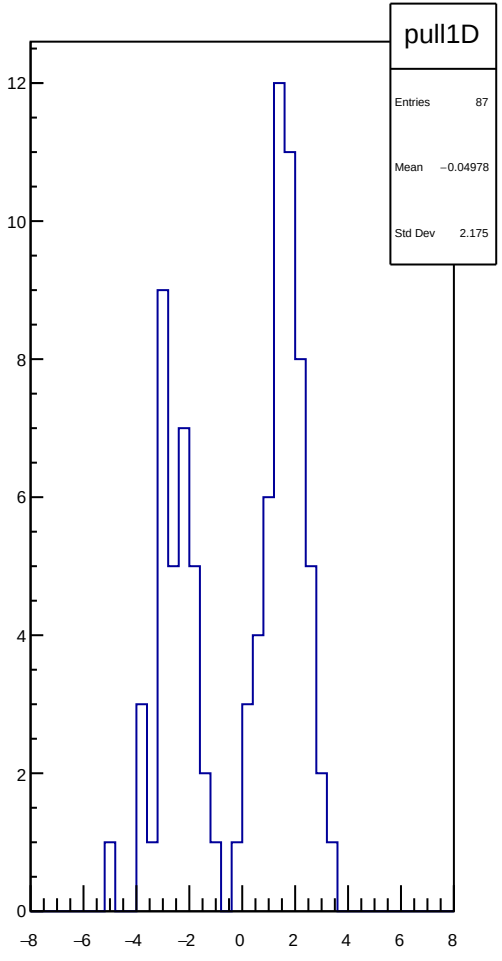

pull1D
Entries 87
Mean 0.002148
Std Dev 0.5316

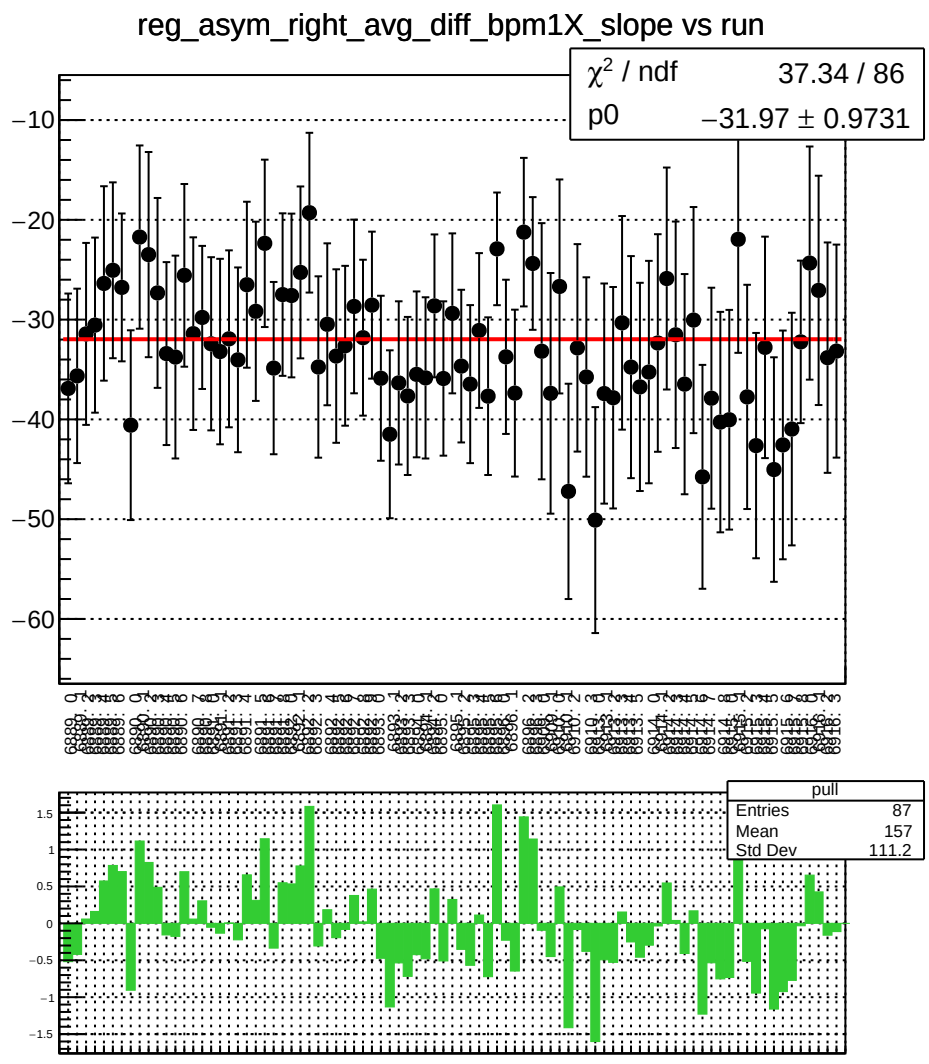

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.09 / 86
p0 0.9456 ± 0.9386
pull
Entries 87
Mean 174.4
Std Dev 125.4

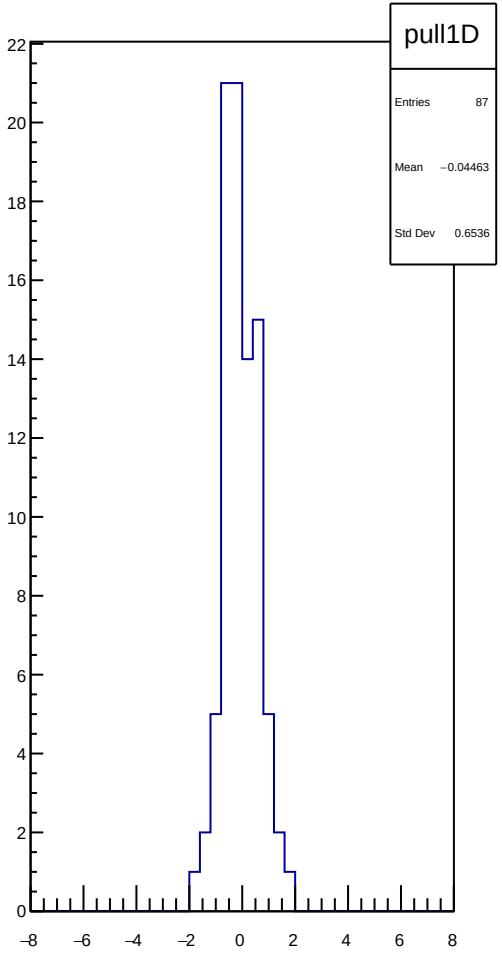

pull1D
Entries 87
Mean 0.0793
Std Dev 0.8203

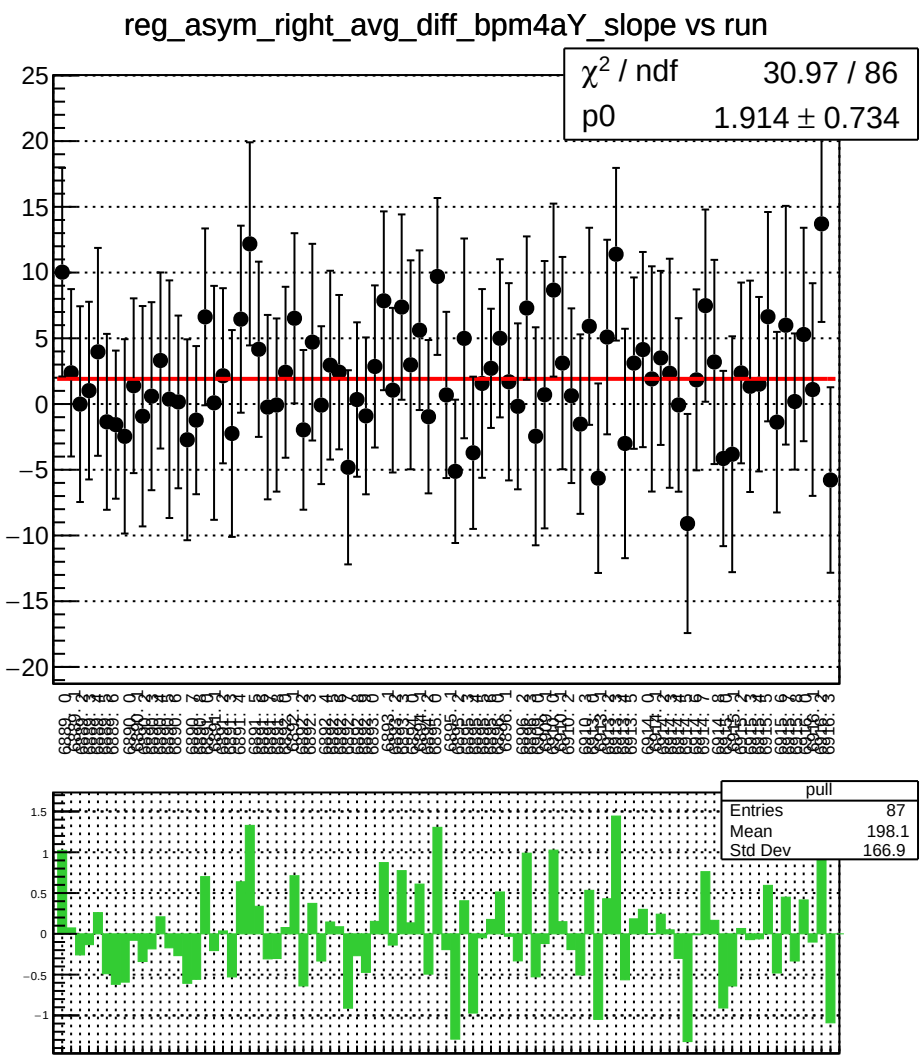

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.19 / 86
p0 11.52 ± 0.8748
pull
Entries 87
Mean −185.5
Std Dev 200.5
pull1D
Entries 87
Mean 0.0078
Std Dev 0.5692

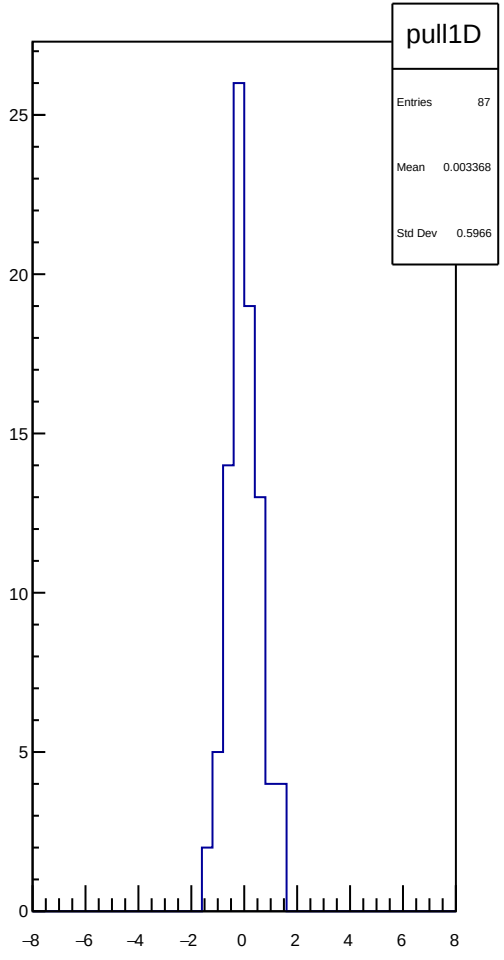

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 411.9 / 86
p0 −19.59 ± 0.03856
pull
Entries 87
Mean 875.5
Std Dev 827.8

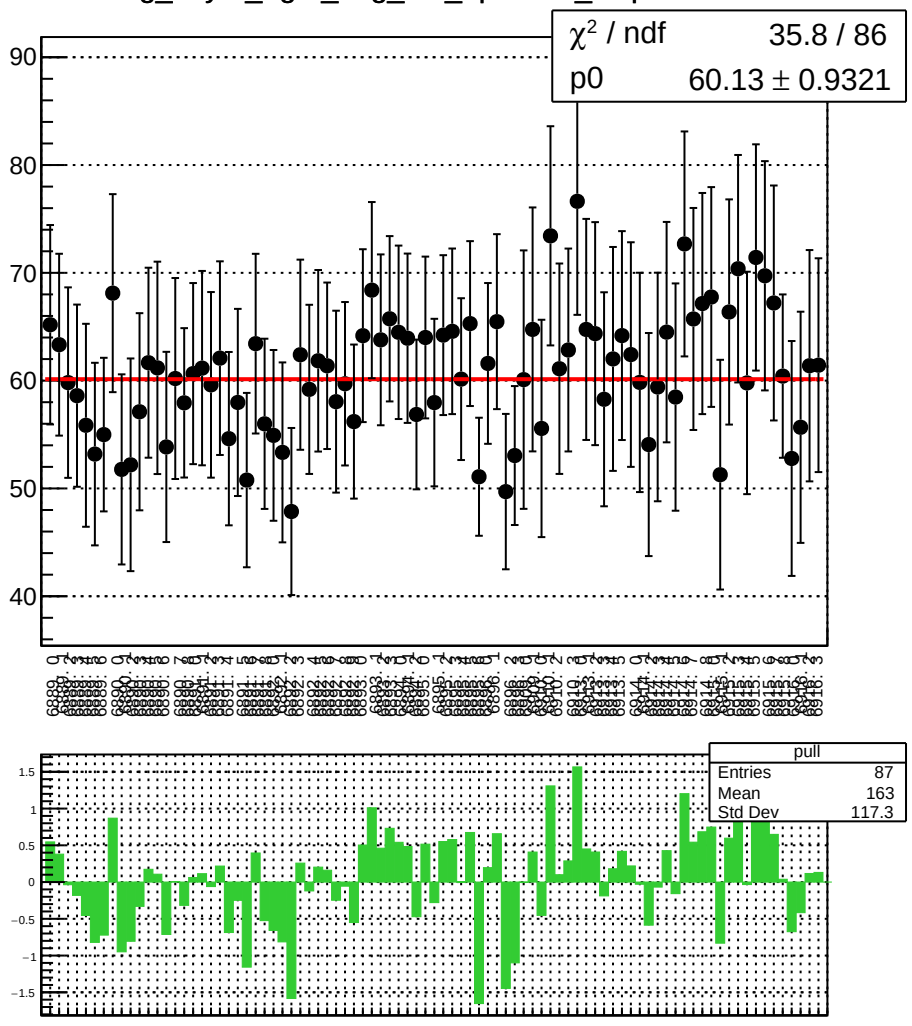

pull1D
Entries 87
Mean −0.04978
Std Dev 2.175

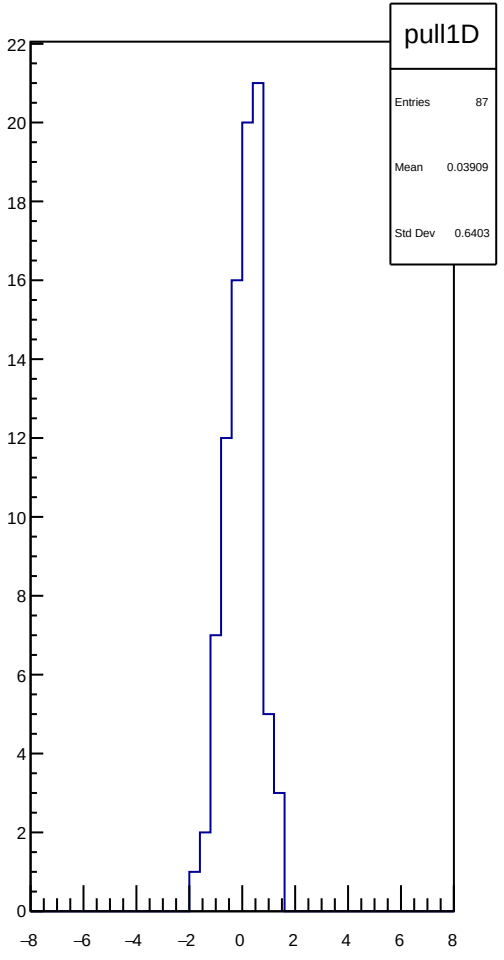

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 37.34 / 86
p0 −31.97 ± 0.9731
pull
Entries 87
Mean 157
Std Dev 111.2

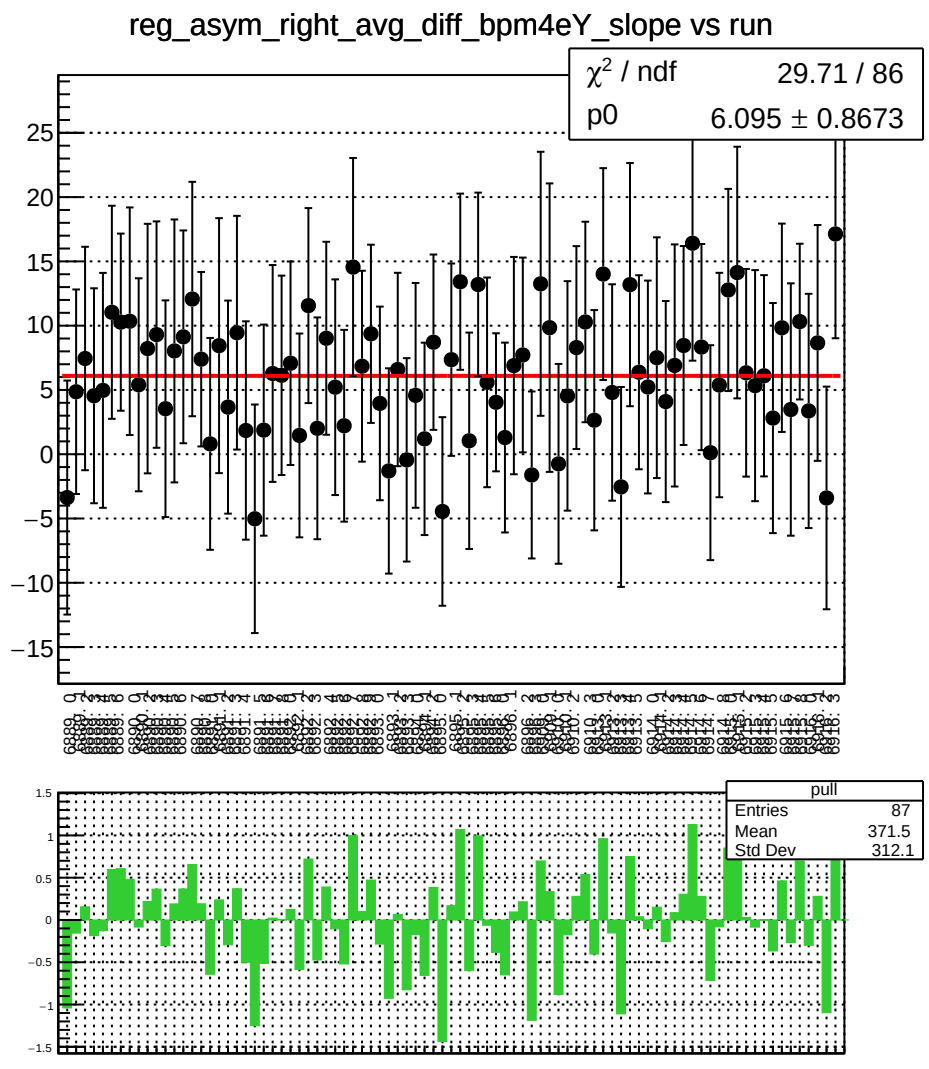

pull1D
Entries 87
Mean −0.04463
Std Dev 0.6536

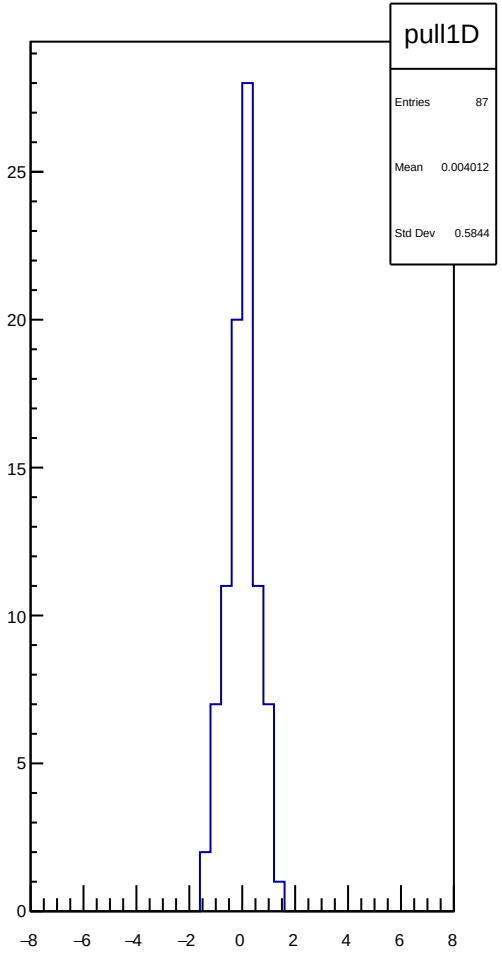

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.97 / 86
p0 1.914 ± 0.734
pull
Entries 87
Mean 198.1
Std Dev 166.9

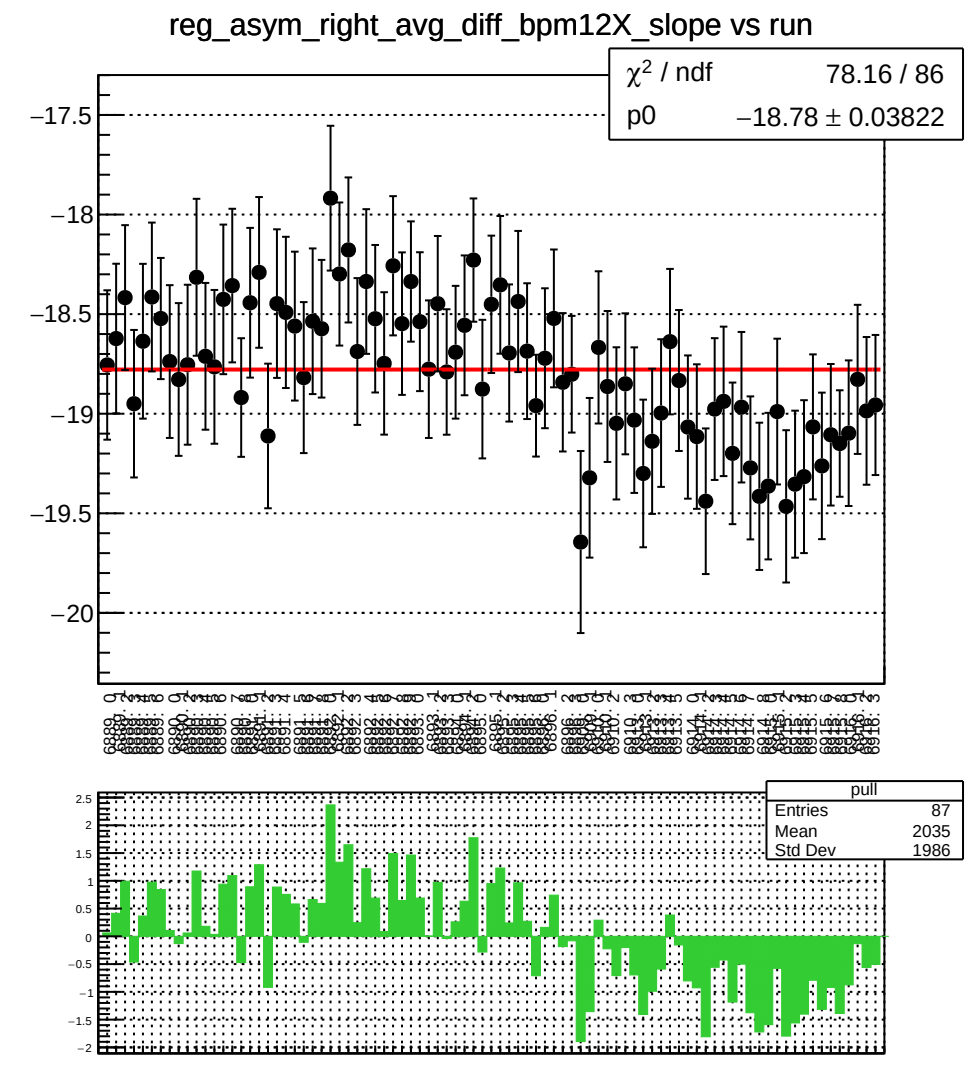

pull1D
Entries 87
Mean 0.003368
Std Dev 0.5966

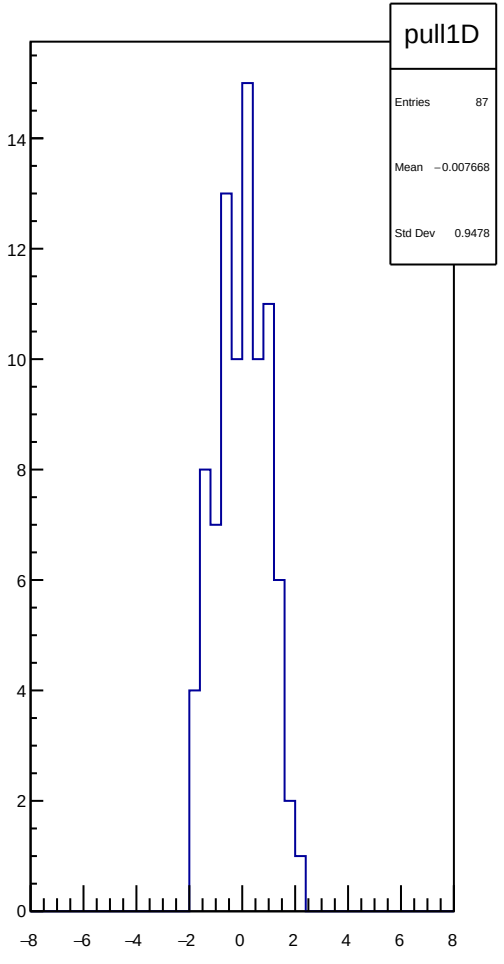

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.8 / 86
p0 60.13 ± 0.9321
pull
Entries 87
Mean 163
Std Dev 117.3

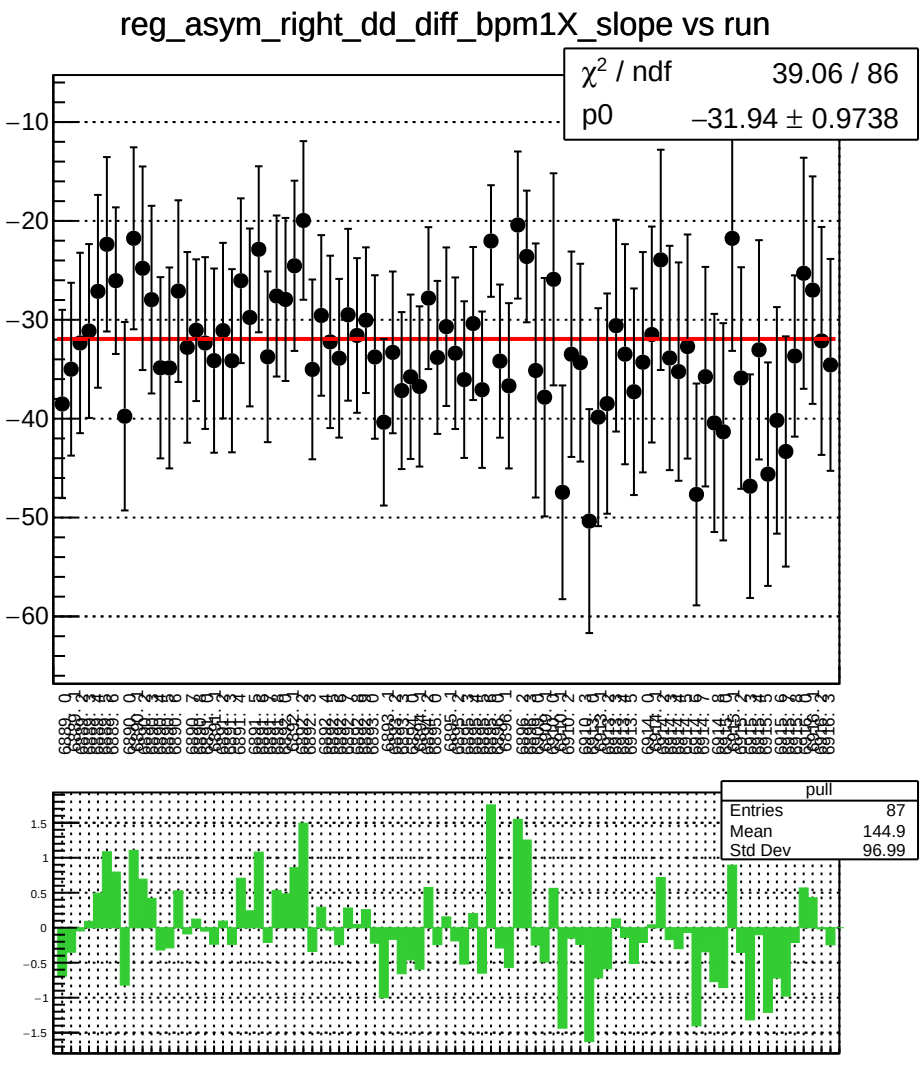

pull1D
Entries 87
Mean 0.03909
Std Dev 0.6403

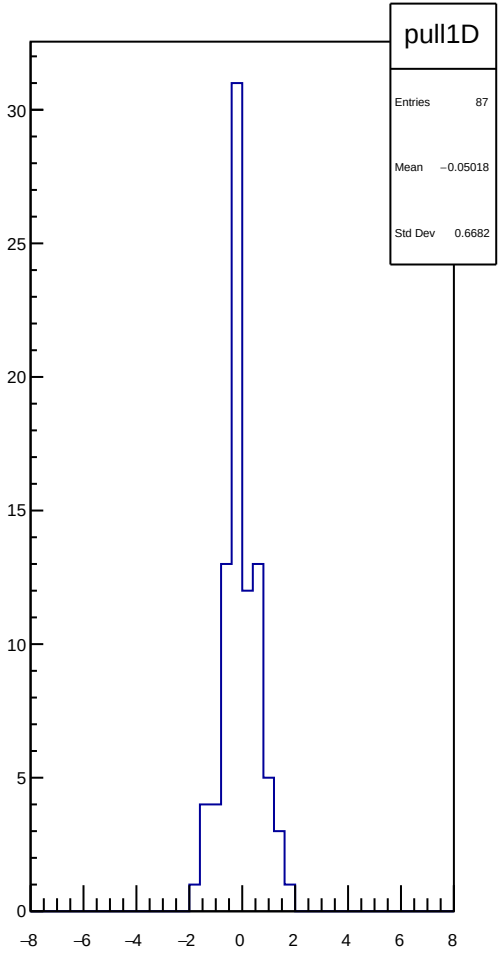

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.71 / 86
p0 6.095 ± 0.8673
pull
Entries 87
Mean 371.5
Std Dev 312.1

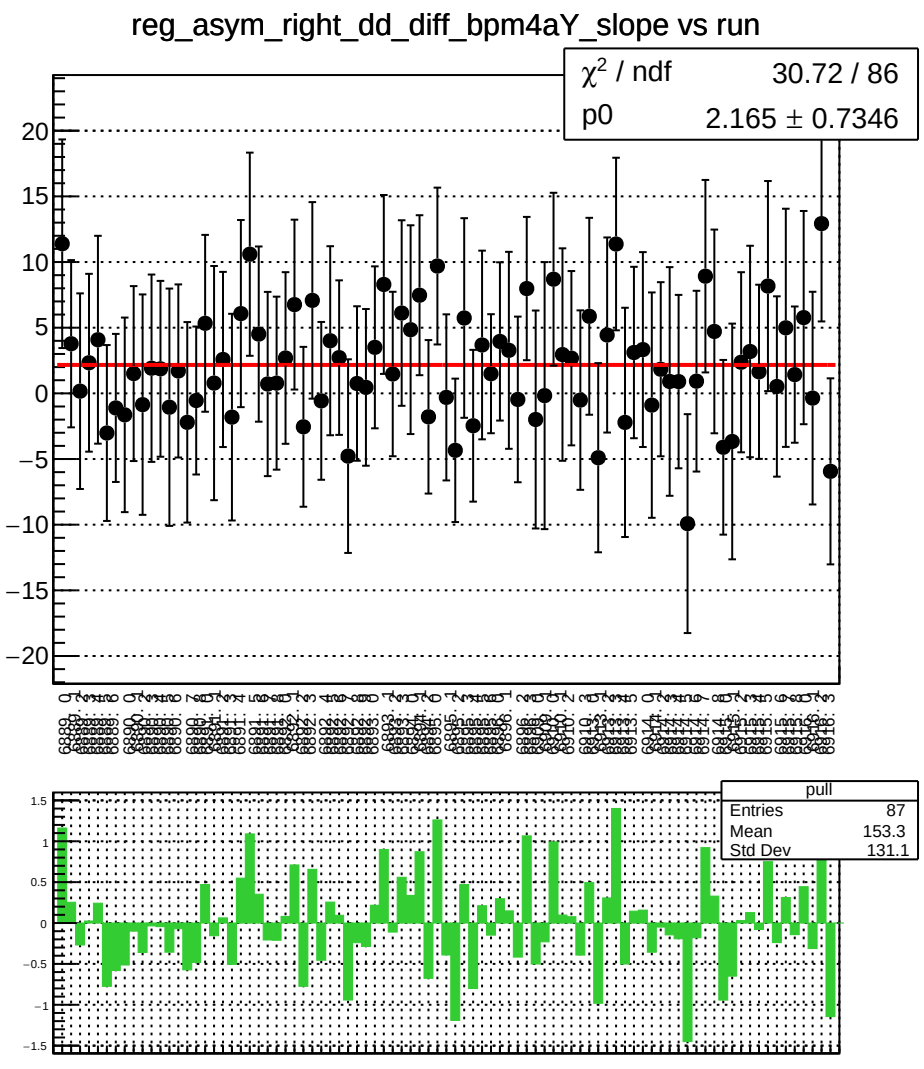

pull1D
Entries 87
Mean 0.004012
Std Dev 0.5844

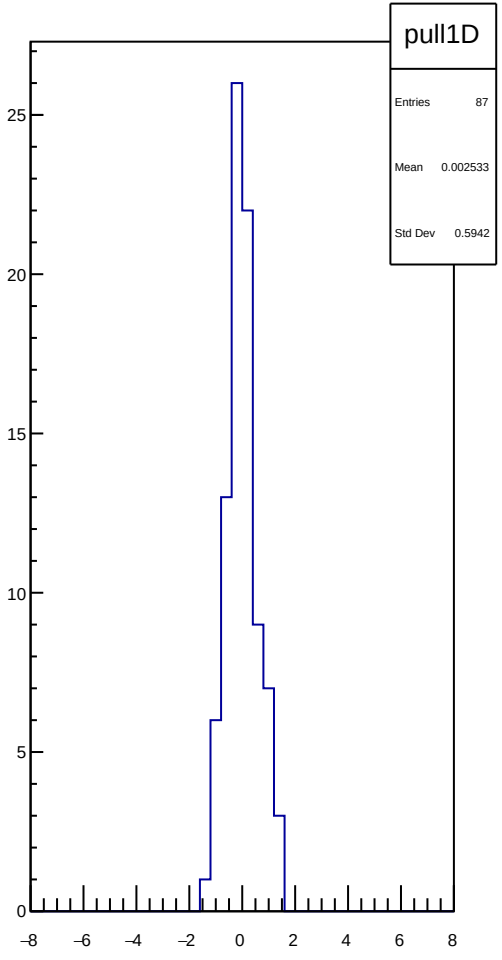

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 78.16 / 86
p0 −18.78 ± 0.03822
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 87
Mean 2035
Std Dev 1986
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

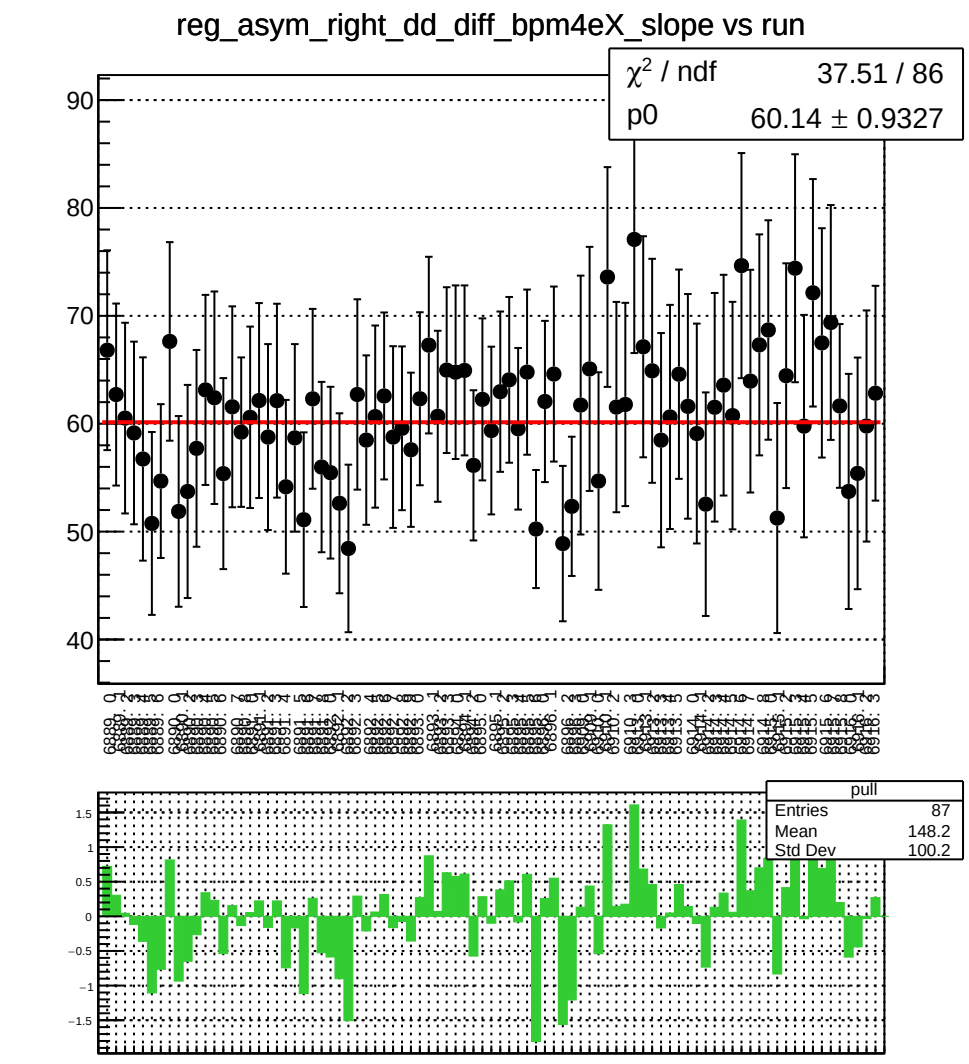

pull1D
Entries 87
Mean −0.007668
Std Dev 0.9478
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

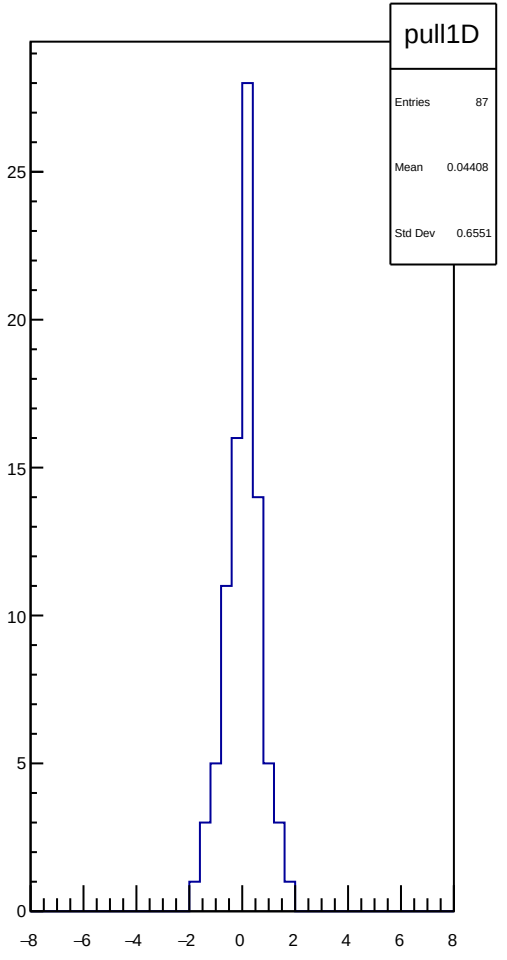

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 39.06 / 86
p0 −31.94 ± 0.9738
pull
Entries 87
Mean 144.9
Std Dev 96.99

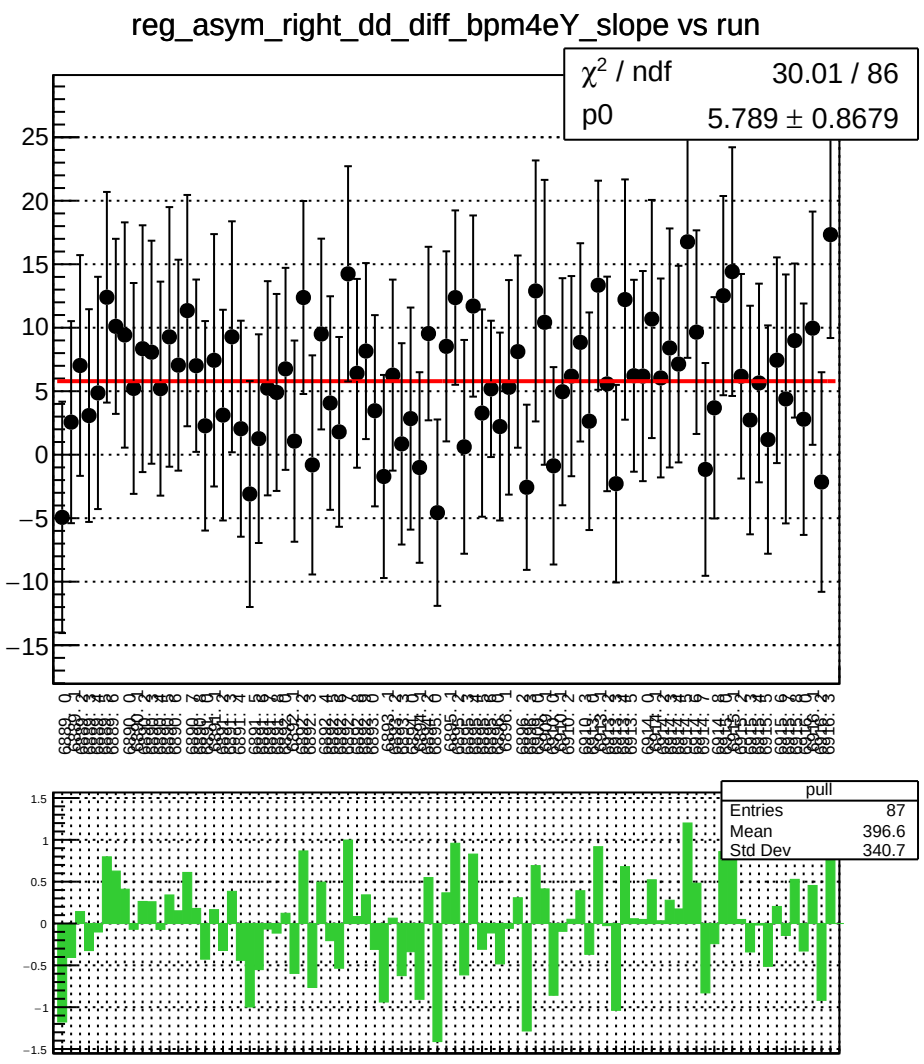

pull1D
Entries 87
Mean −0.05018
Std Dev 0.6682

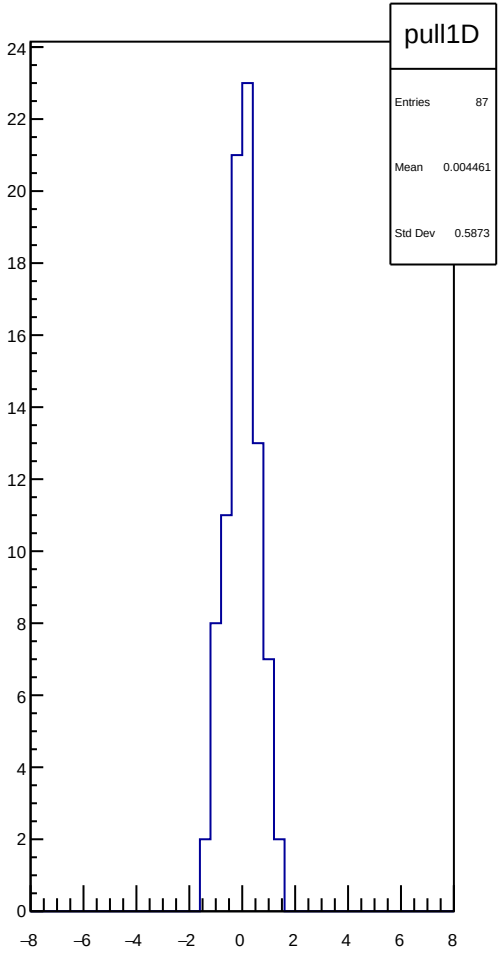

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.72 / 86
p0 2.165 ± 0.7346
pull
Entries 87
Mean 153.3
Std Dev 131.1

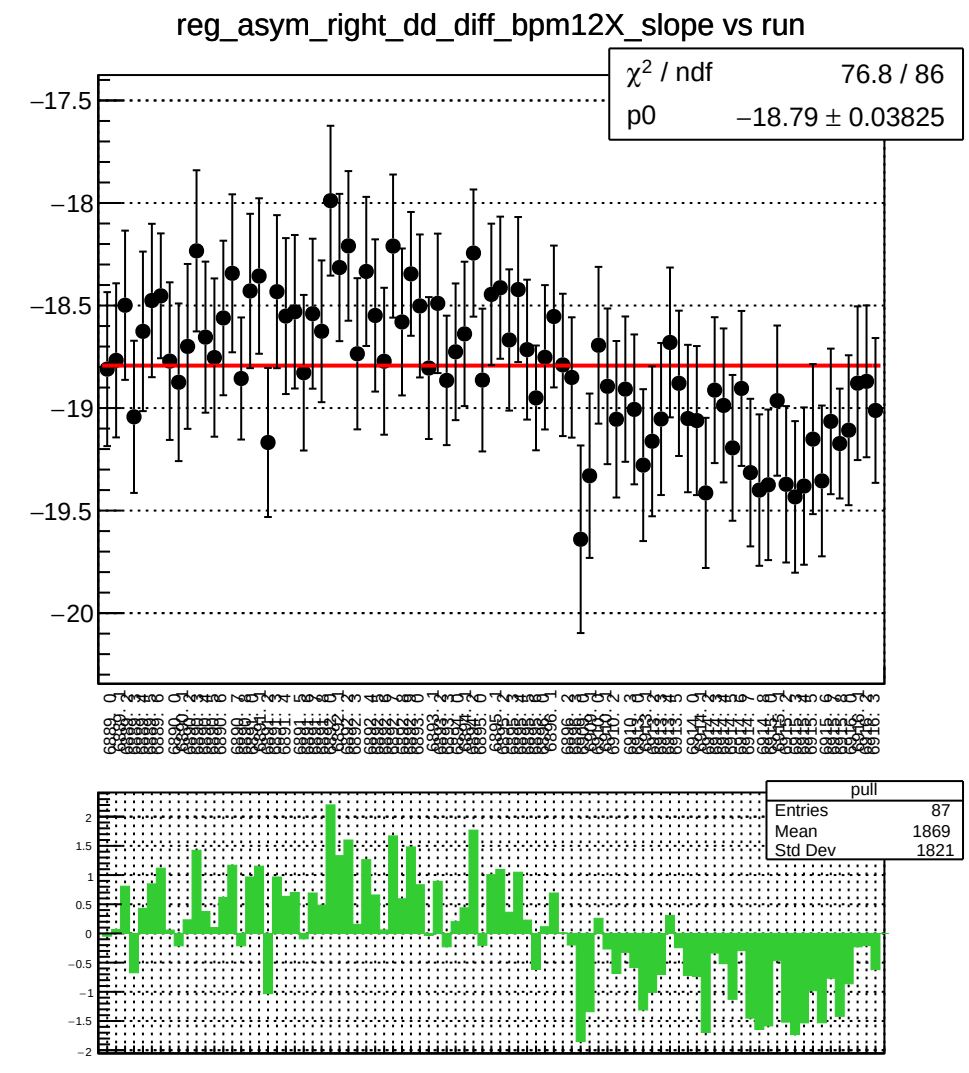

pull1D
Entries 87
Mean 0.002533
Std Dev 0.5942

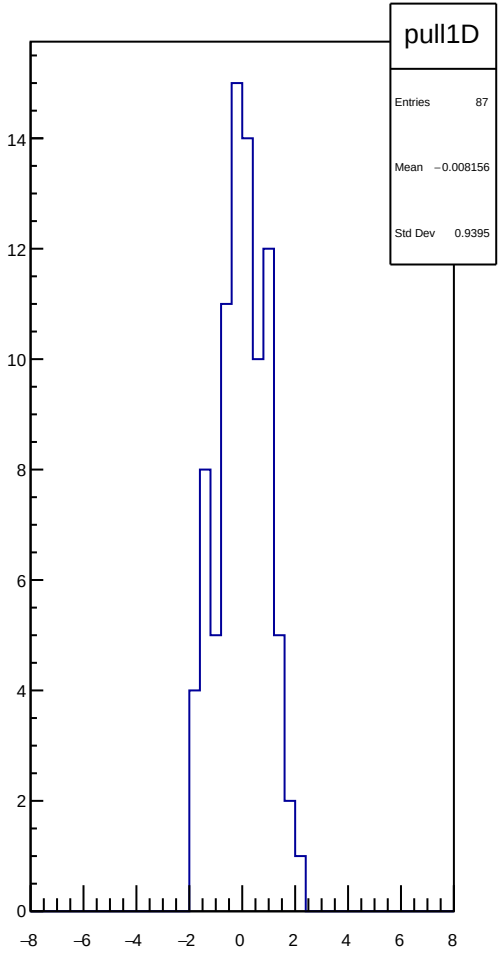

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.51 / 86
p0 60.14 ± 0.9327
pull
Entries 87
Mean 148.2
Std Dev 100.2

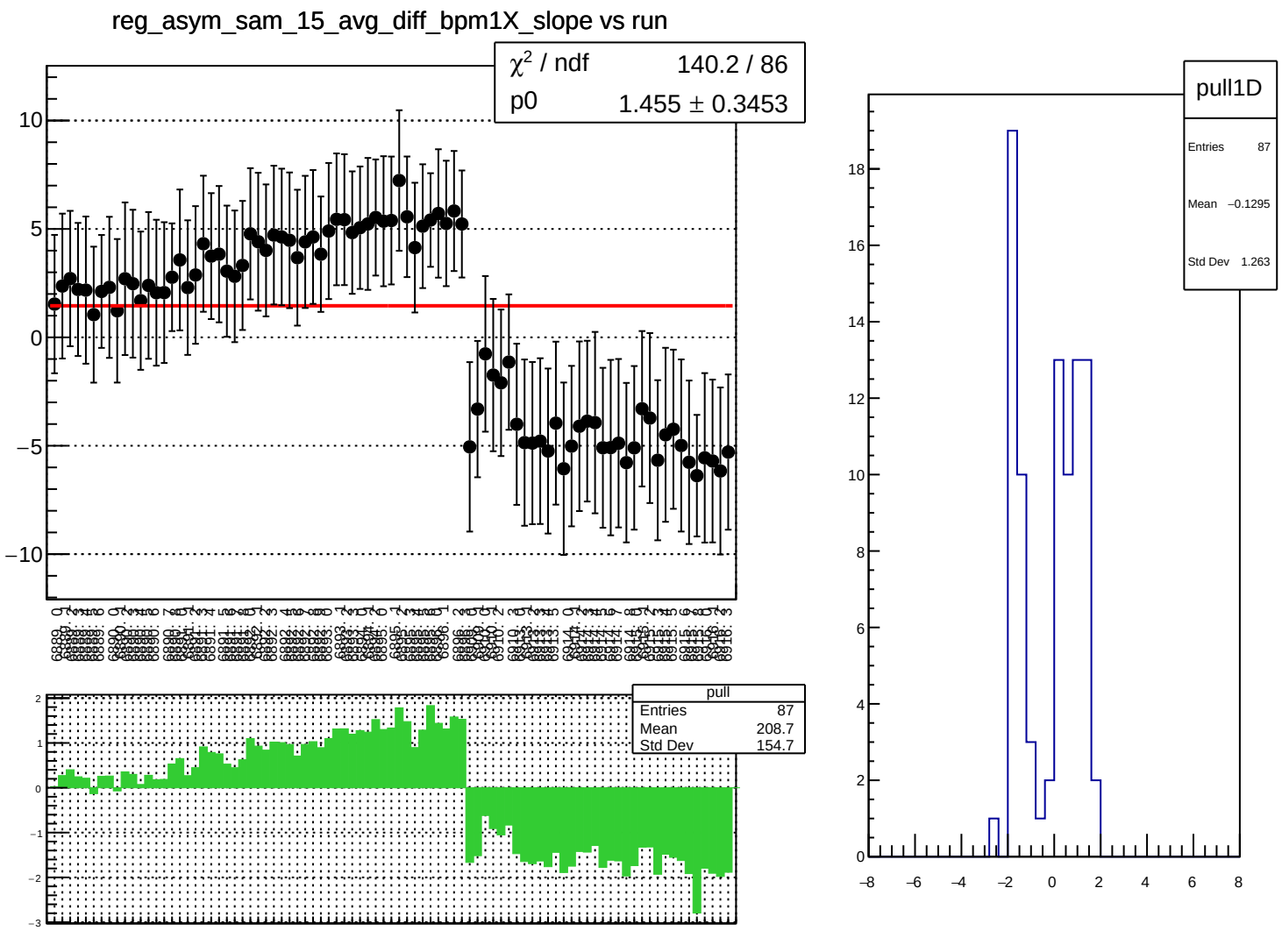

pull1D
Entries 87
Mean 0.04408
Std Dev 0.6551

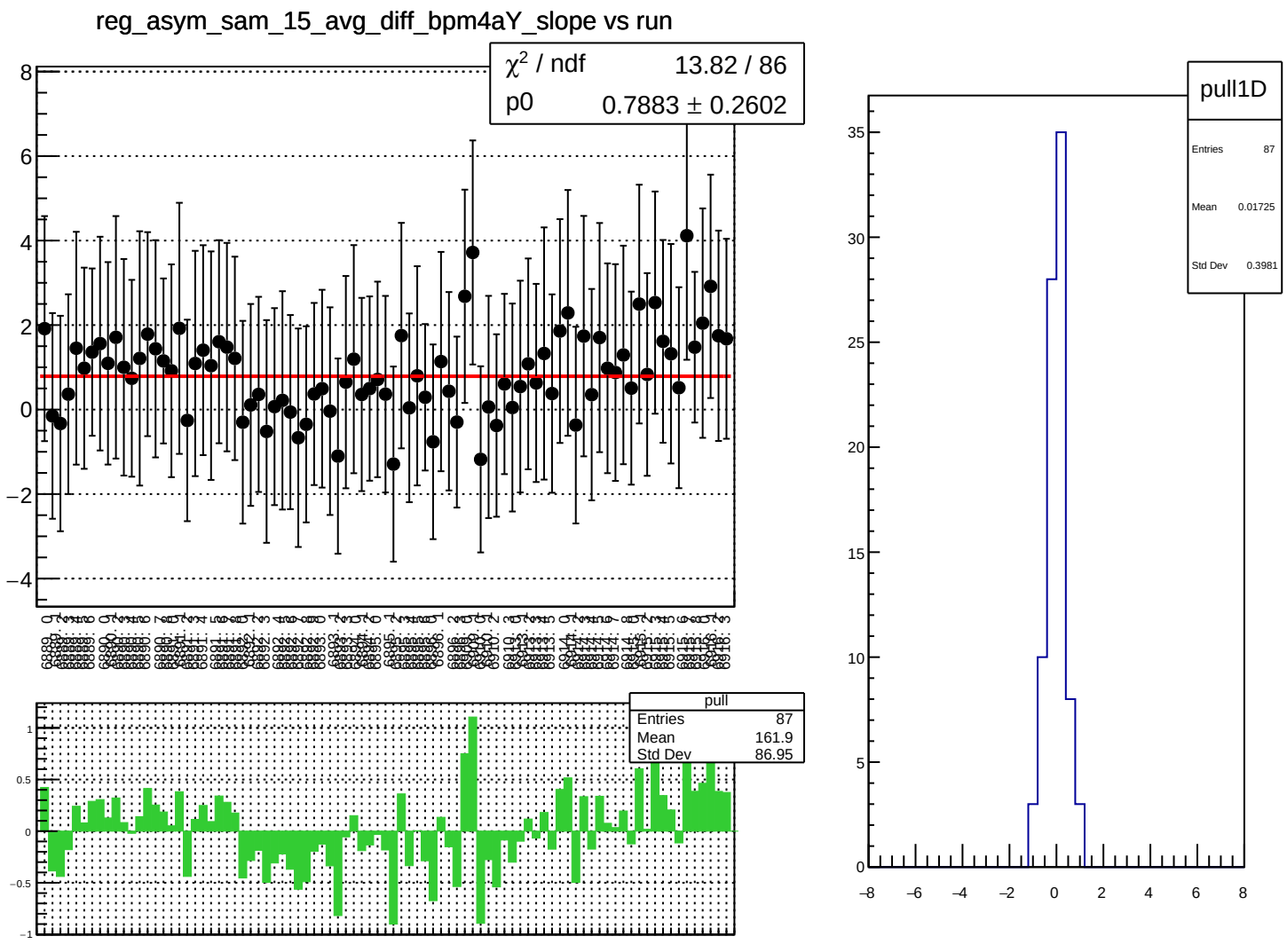

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.01 / 86
p0 5.789 ± 0.8679
pull
Entries 87
Mean 396.6
Std Dev 340.7

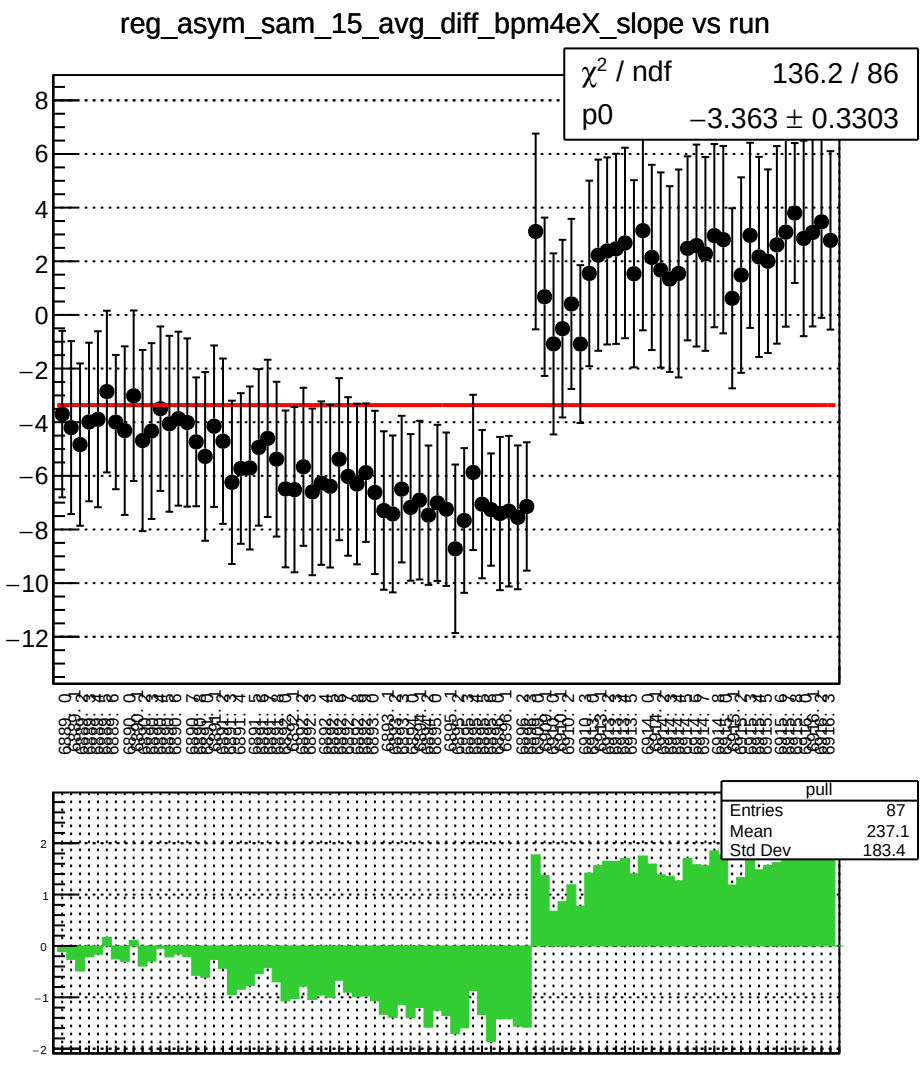

pull1D
Entries 87
Mean 0.004461
Std Dev 0.5873

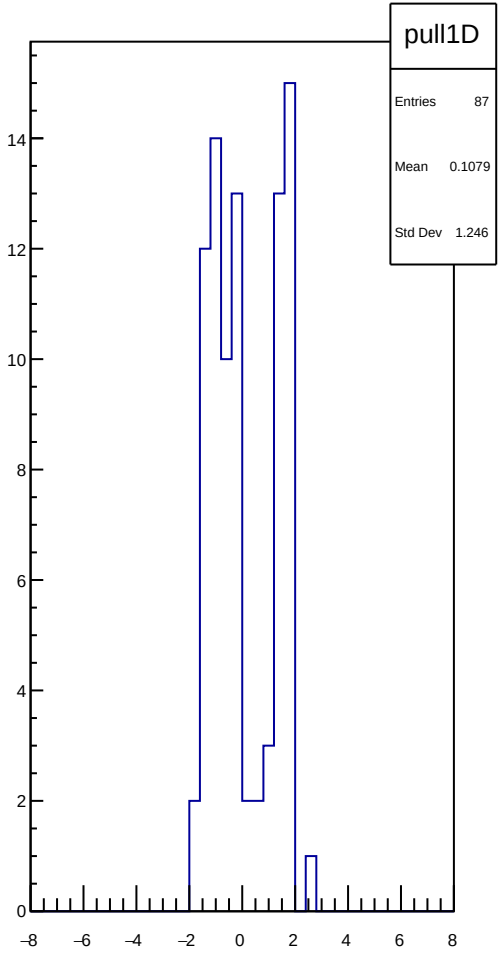

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 76.8 / 86
p0 −18.79 ± 0.03825
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 87
Mean 1869
Std Dev 1821
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

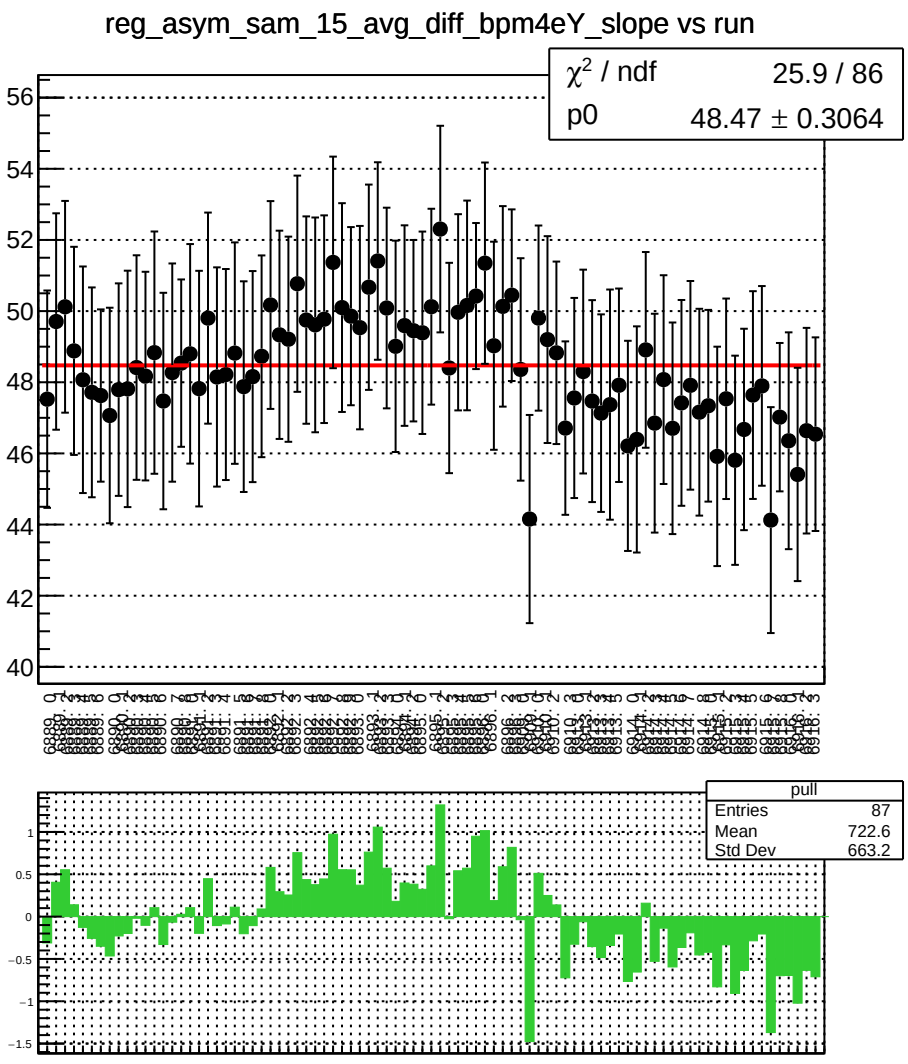

pull1D
Entries 87
Mean −0.008156
Std Dev 0.9395
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

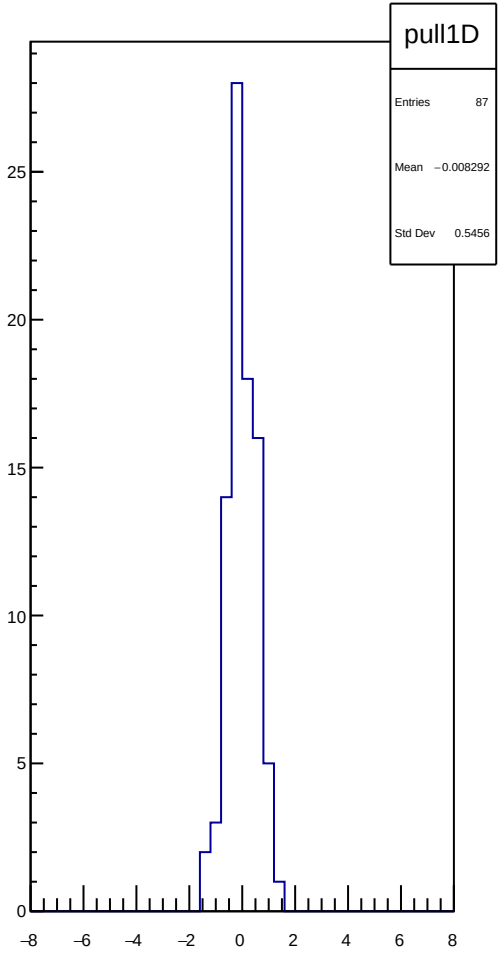

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 140.2 / 86
p0 1.455 ± 0.3453
pull
Entries 87
Mean 208.7
Std Dev 154.7
pull1D
Entries 87
Mean −0.1295
Std Dev 1.263

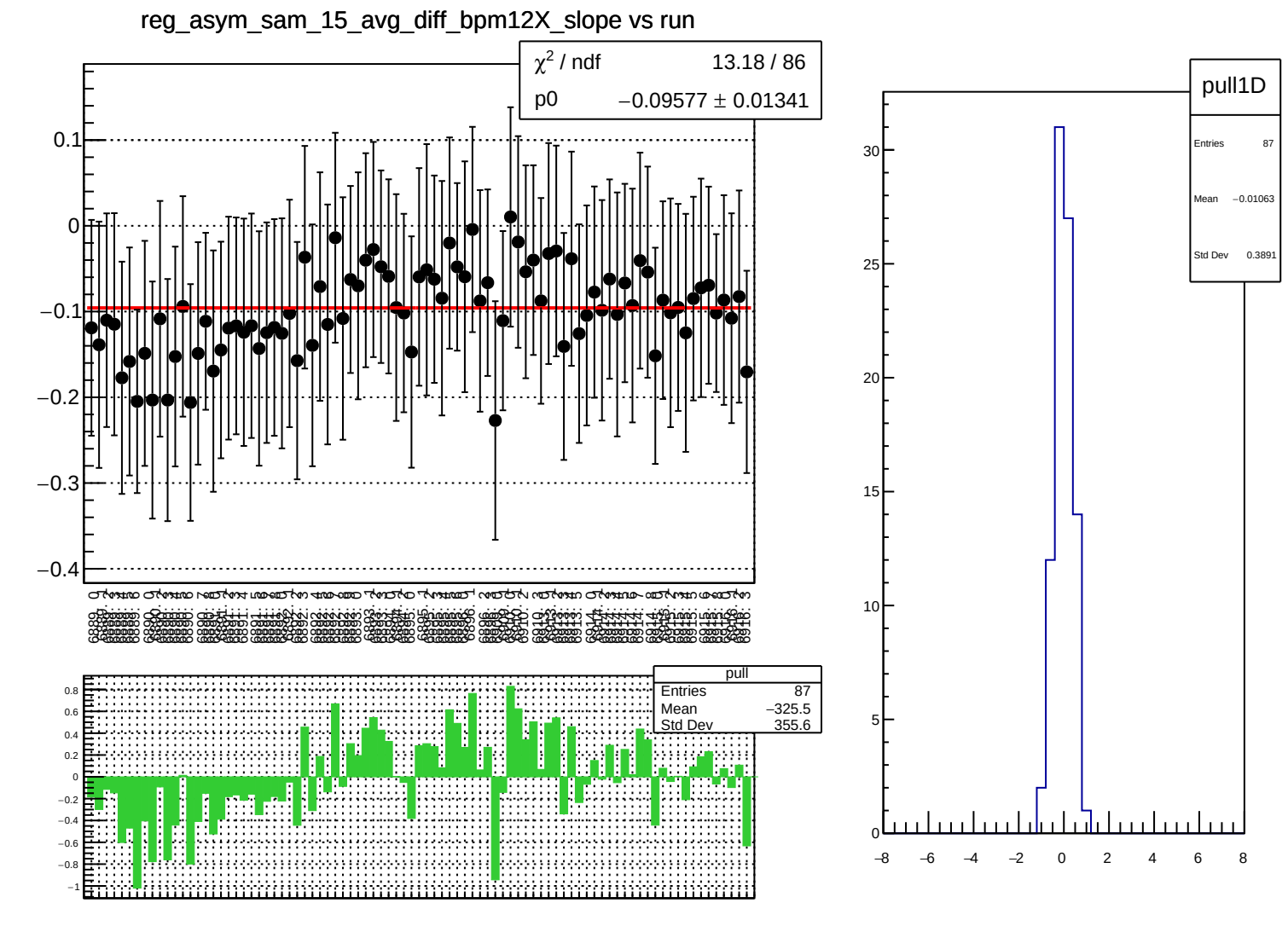

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.82 / 86
p0 0.7883 ± 0.2602
pull
Entries 87
Mean 161.9
Std Dev 86.95
pull1D
Entries 87
Mean 0.01725
Std Dev 0.3981

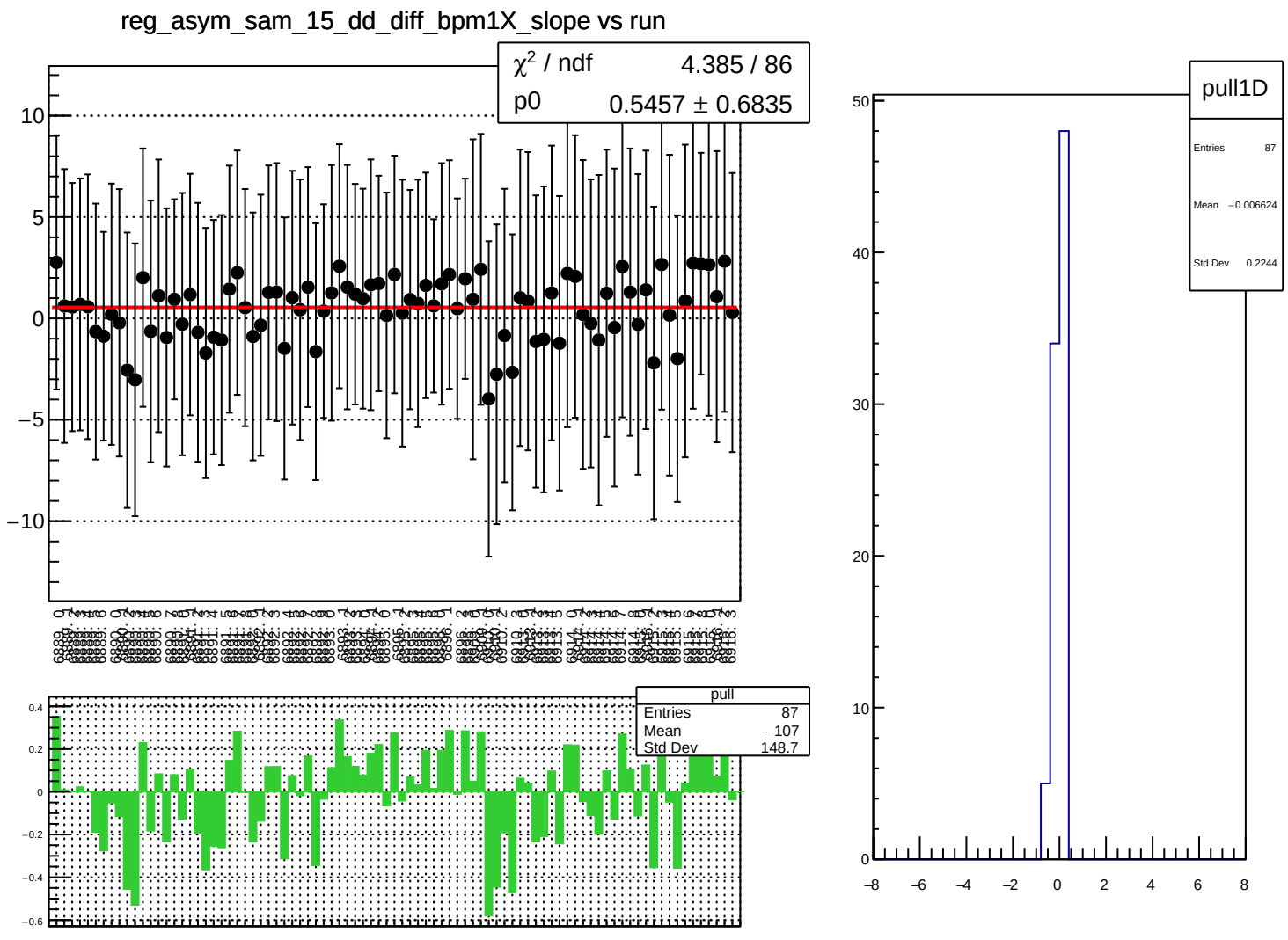

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 136.2 / 86
p0 −3.363 ± 0.3303
pull
Entries 87
Mean 237.1
Std Dev 183.4

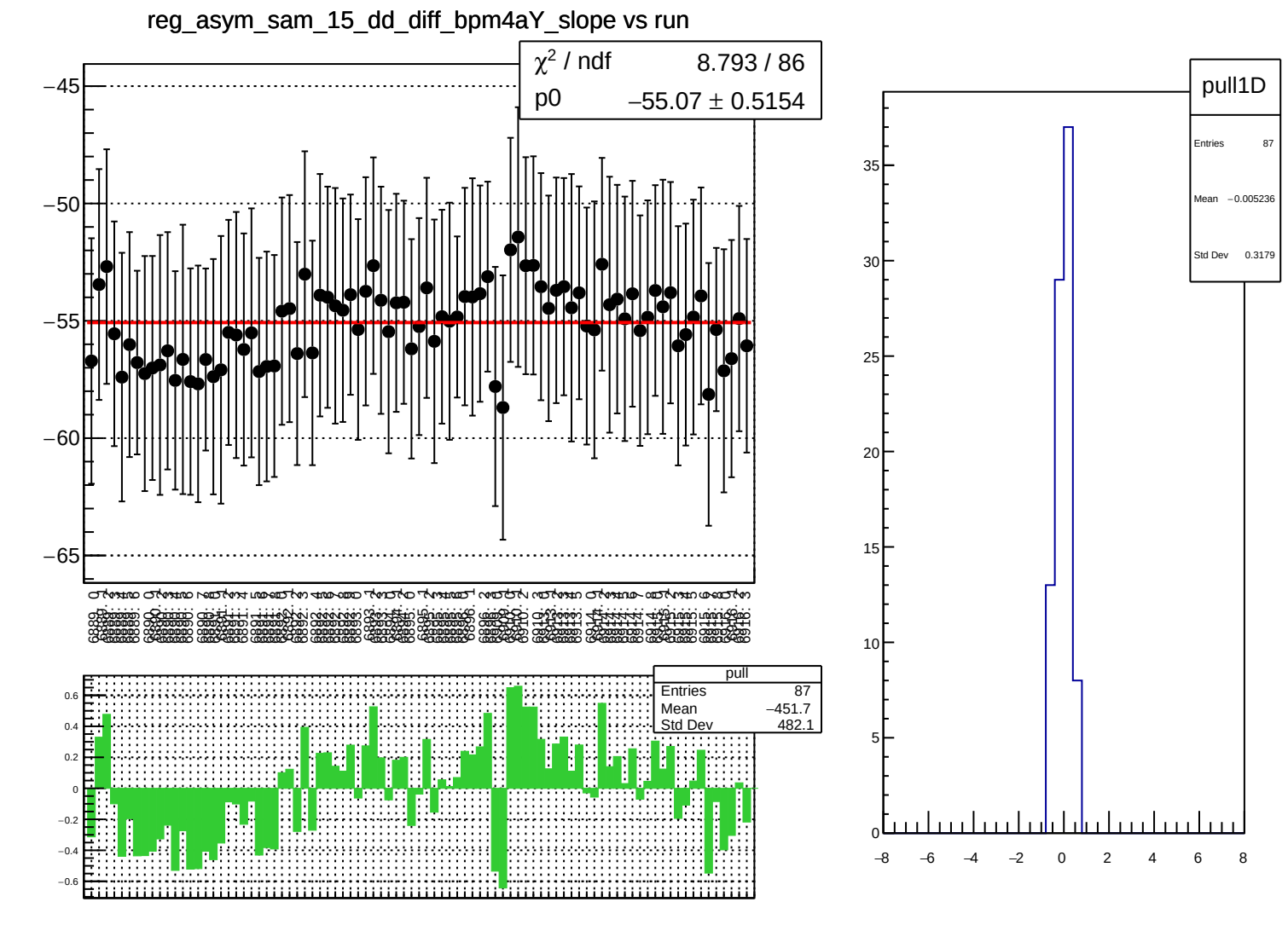

pull1D
Entries 87
Mean 0.1079
Std Dev 1.246

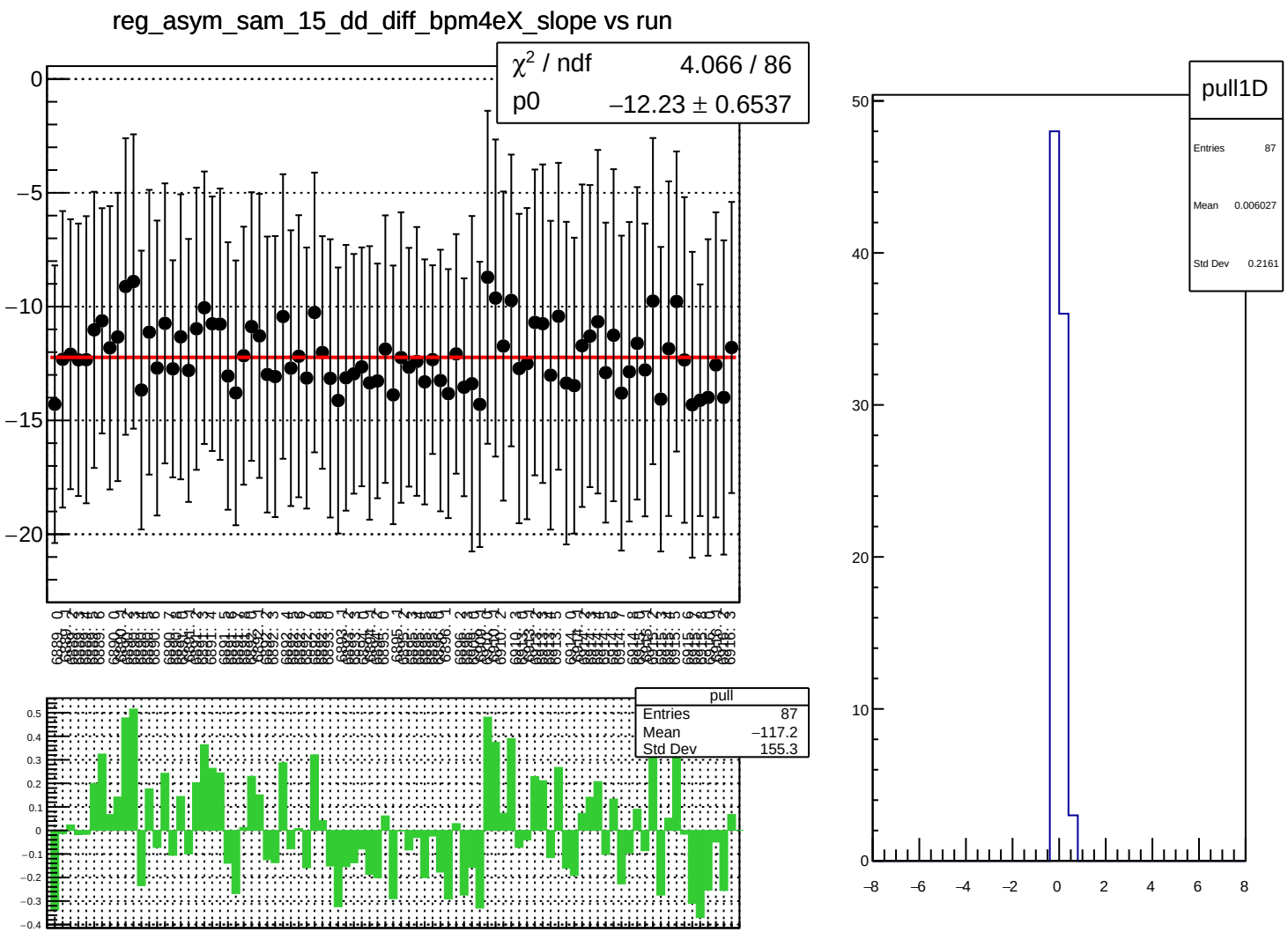

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.9 / 86
p0 48.47 ± 0.3064
pull
Entries 87
Mean 722.6
Std Dev 663.2

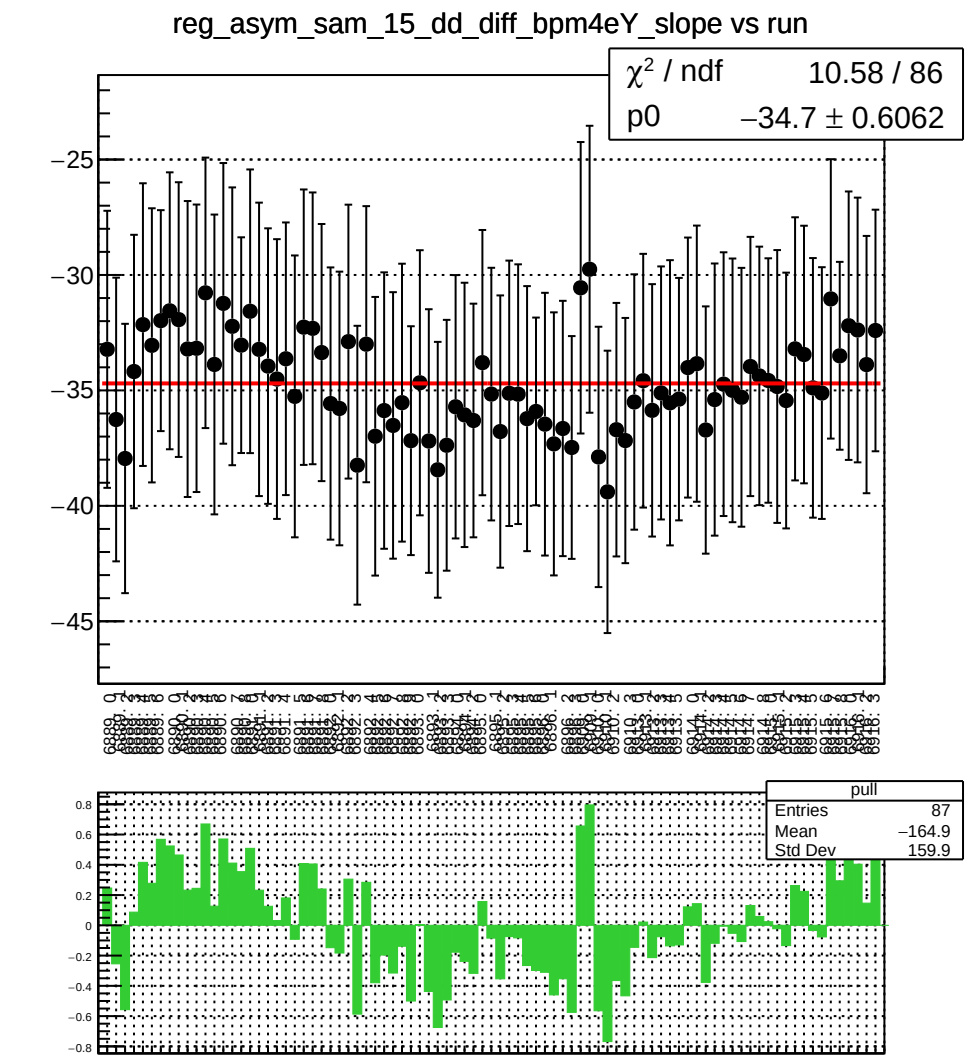

pull1D
Entries 87
Mean −0.008292
Std Dev 0.5456

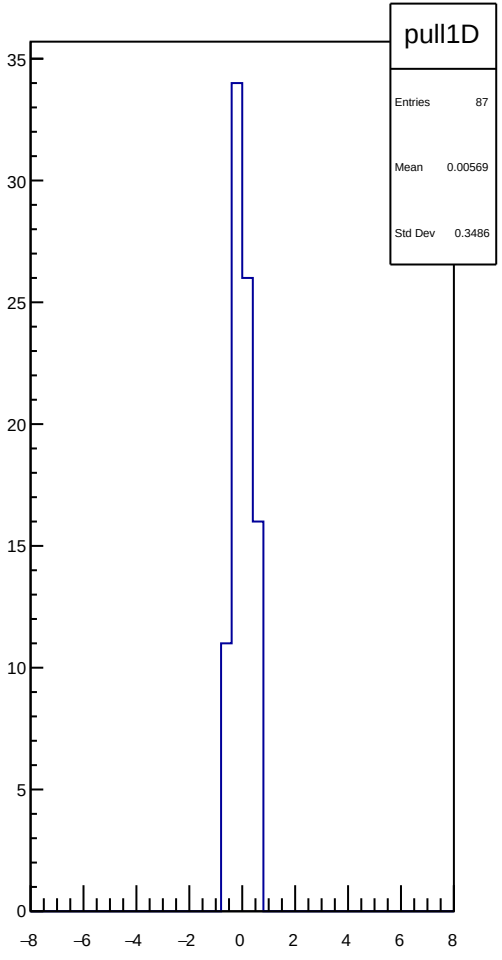

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 13.18 / 86
p0 −0.09577 ± 0.01341
pull
Entries 87
Mean −325.5
Std Dev 355.6
pull1D
Entries 87
Mean −0.01063
Std Dev 0.3891

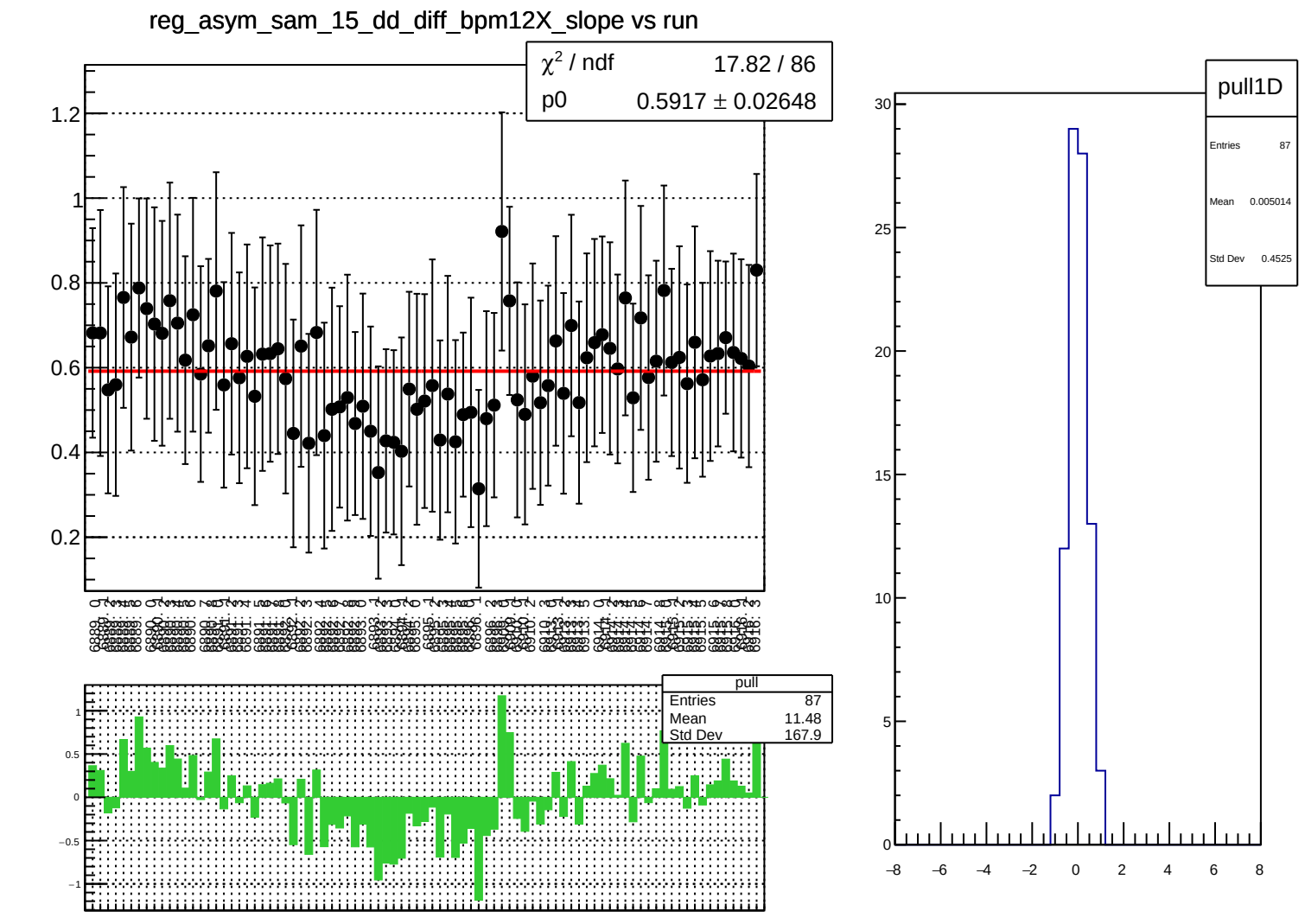

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 4.385 / 86
p0 0.5457 ± 0.6835
pull
Entries 87
Mean −107
Std Dev 148.7
pull1D
Entries 87
Mean −0.006624
Std Dev 0.2244

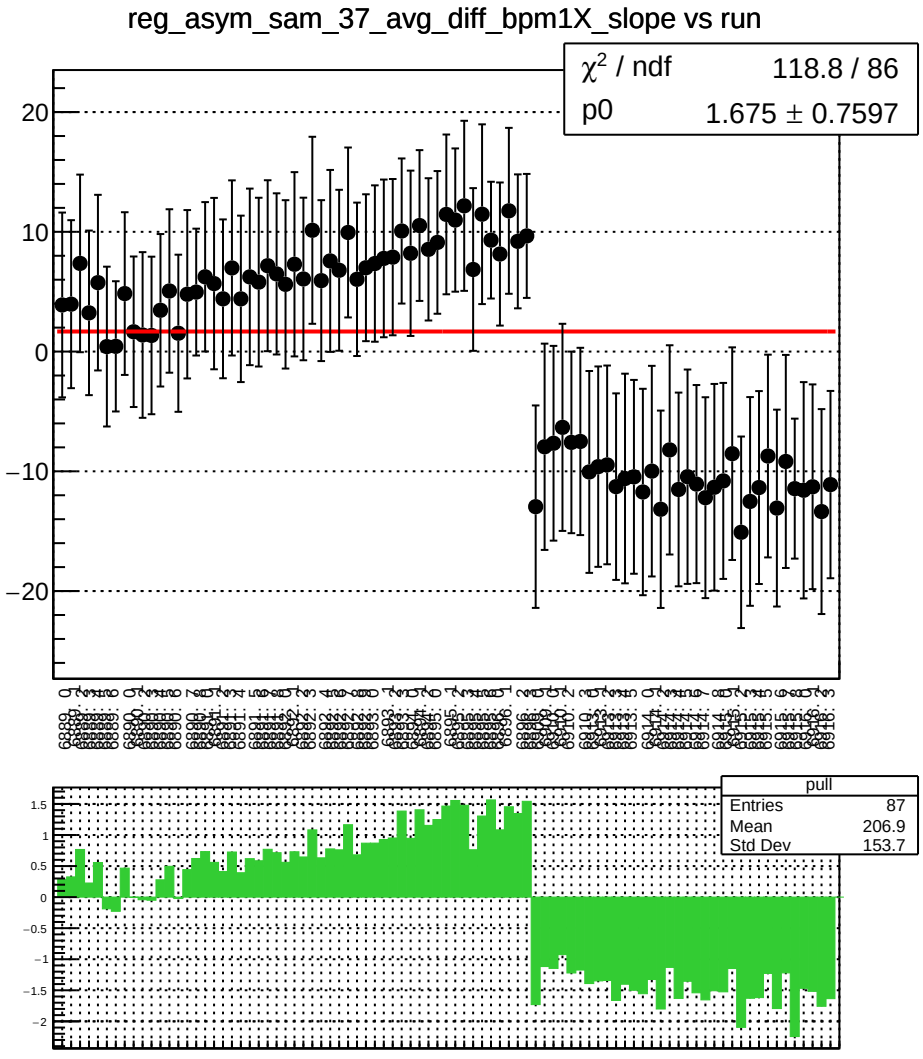

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.793 / 86
p0 −55.07 ± 0.5154
−45
−50
−55
−60
−65
pull
Entries 87
Mean −451.7
Std Dev 482.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.005236
Std Dev 0.3179
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

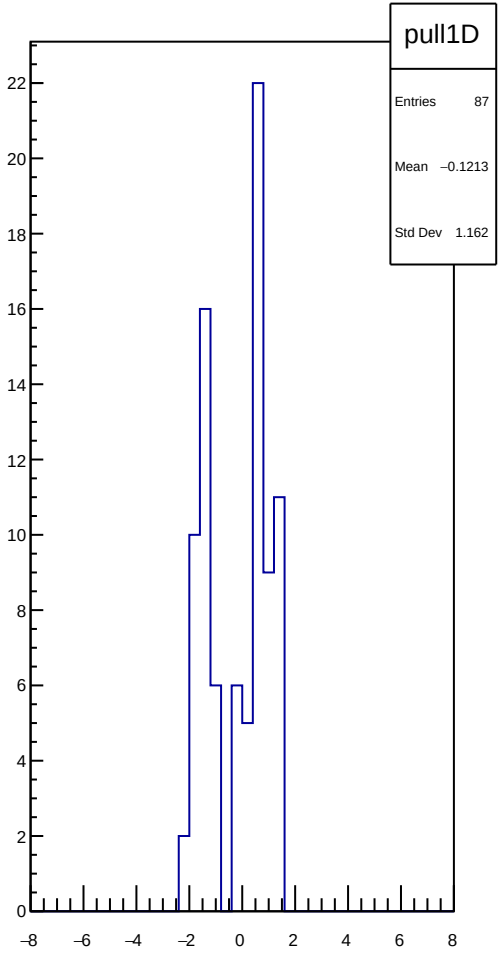

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.066 / 86
p0 −12.23 ± 0.6537
pull
Entries 87
Mean −117.2
Std Dev 155.3
pull1D
Entries 87
Mean 0.006027
Std Dev 0.2161

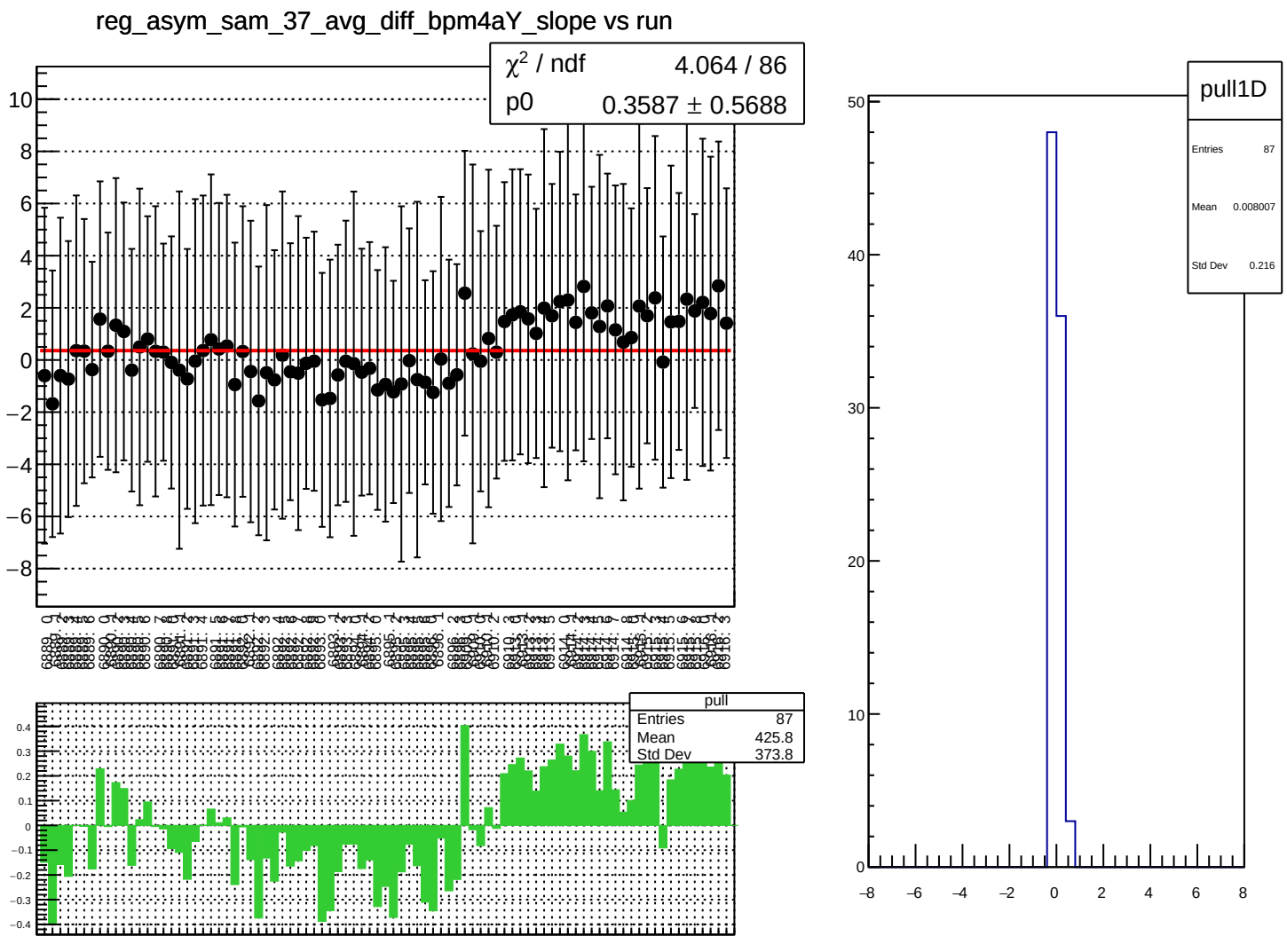

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.58 / 86
p0 −34.7 ± 0.6062
−25
−30
−35
−40
−45
pull
Entries 87
Mean −164.9
Std Dev 159.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

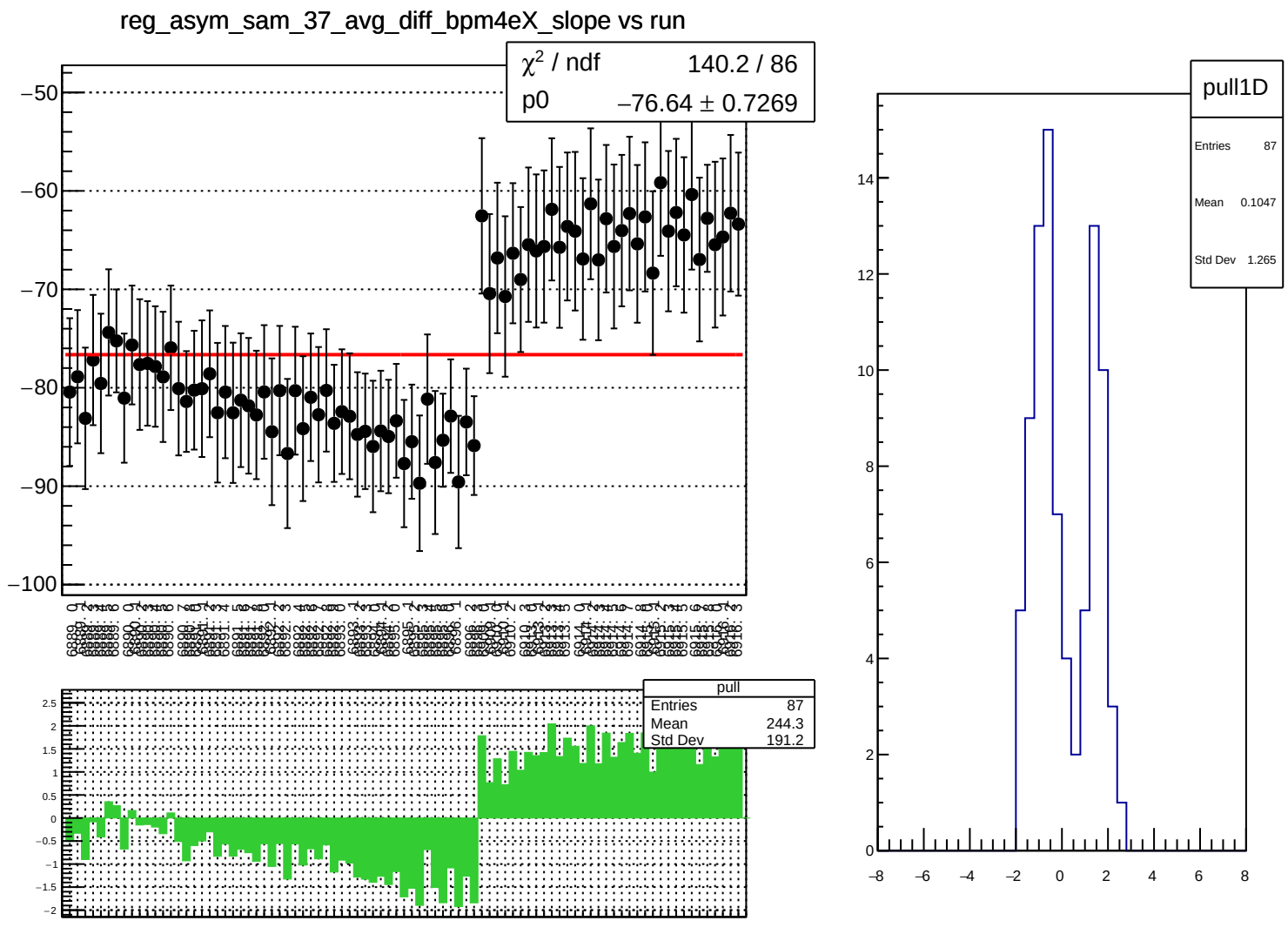

pull1D
Entries 87
Mean 0.00569
Std Dev 0.3486
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

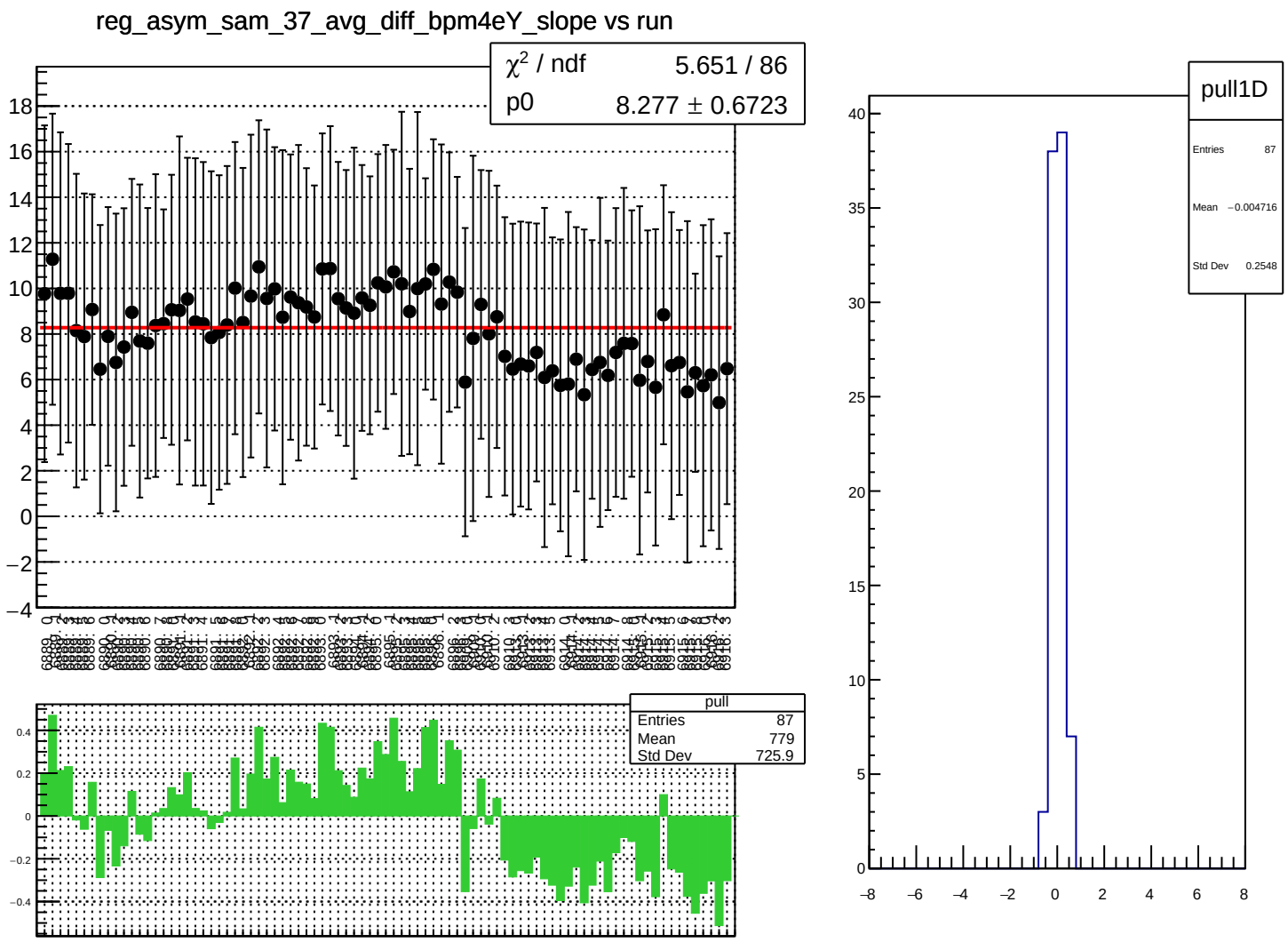

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 17.82 / 86
p0 0.5917 ± 0.02648
pull
Entries 87
Mean 11.48
Std Dev 167.9
pull1D
Entries 87
Mean 0.005014
Std Dev 0.4525

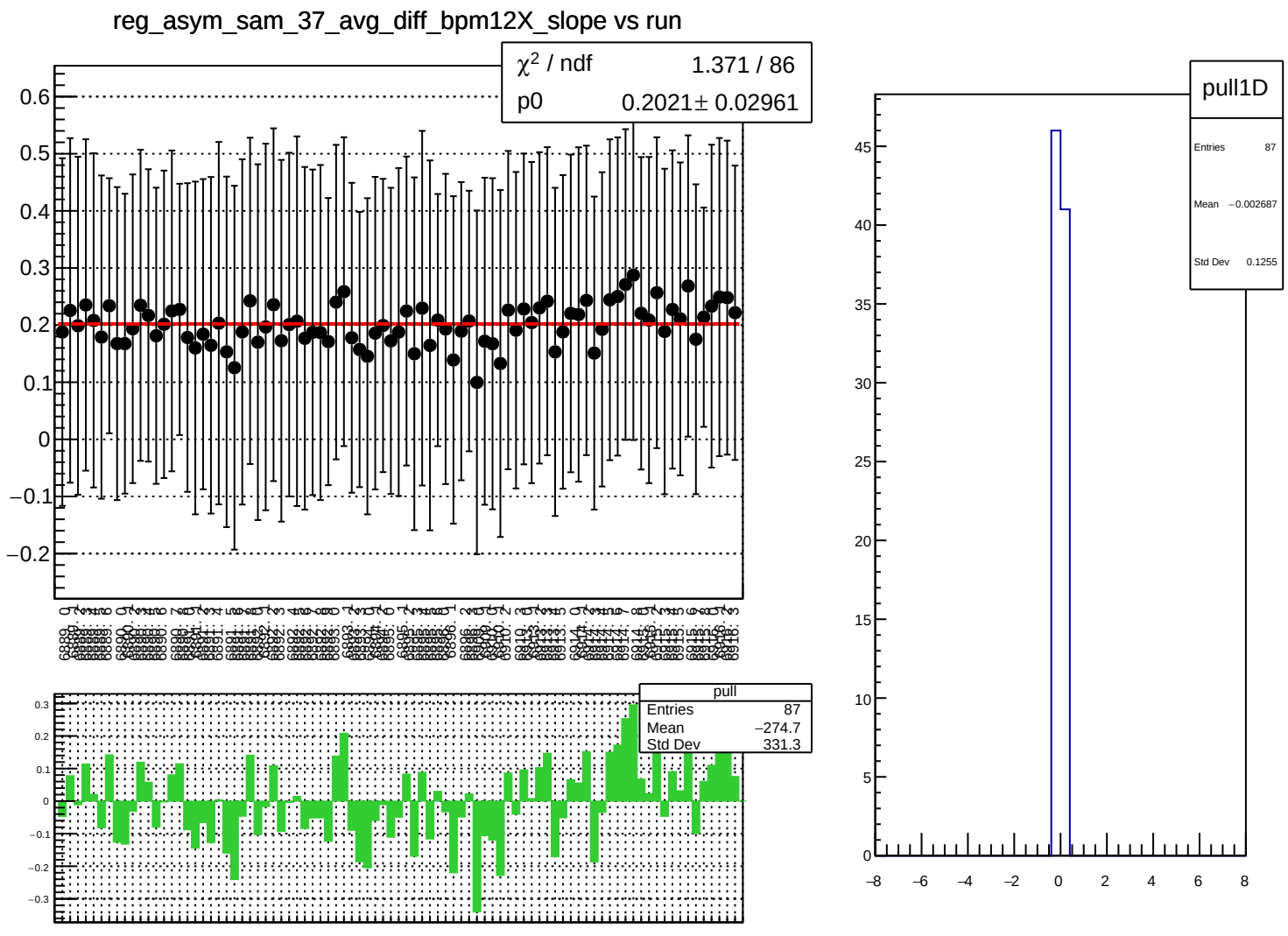

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 118.8 / 86
p0 1.675 ± 0.7597
pull
Entries 87
Mean 206.9
Std Dev 153.7

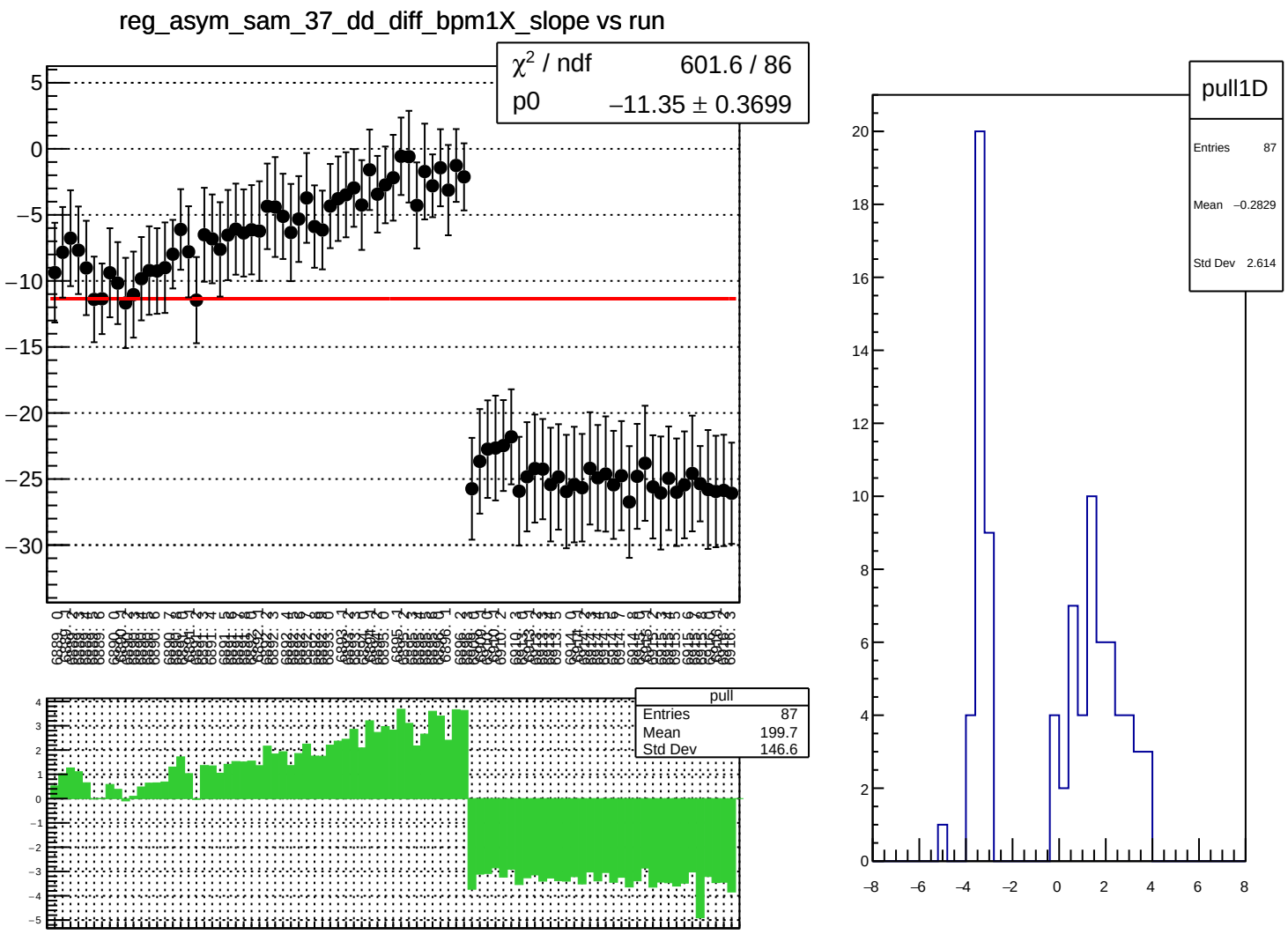

pull1D
Entries 87
Mean −0.1213
Std Dev 1.162

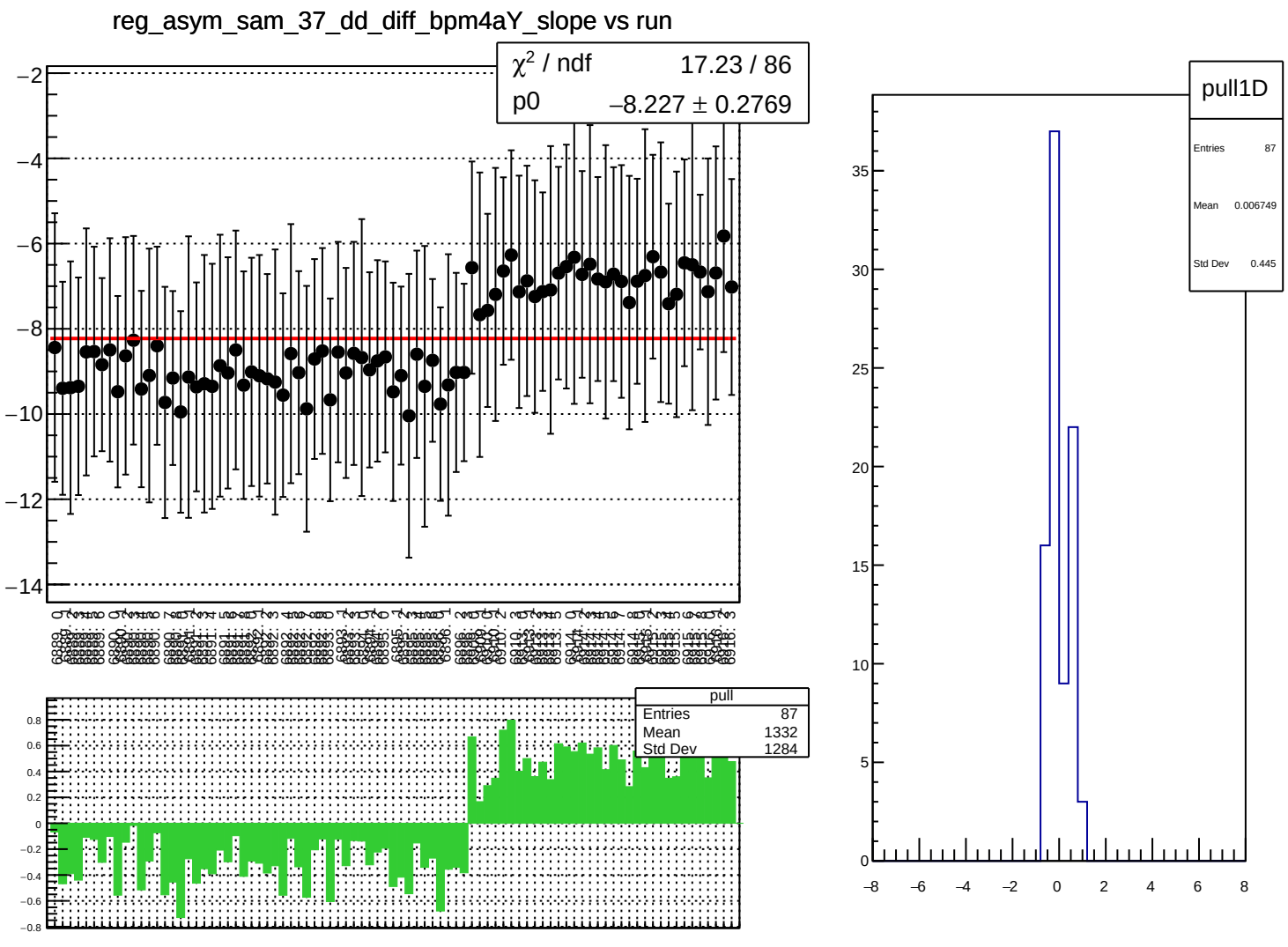

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.064 / 86
p0 0.3587 ± 0.5688
pull
Entries 87
Mean 425.8
Std Dev 373.8
pull1D
Entries 87
Mean 0.008007
Std Dev 0.216

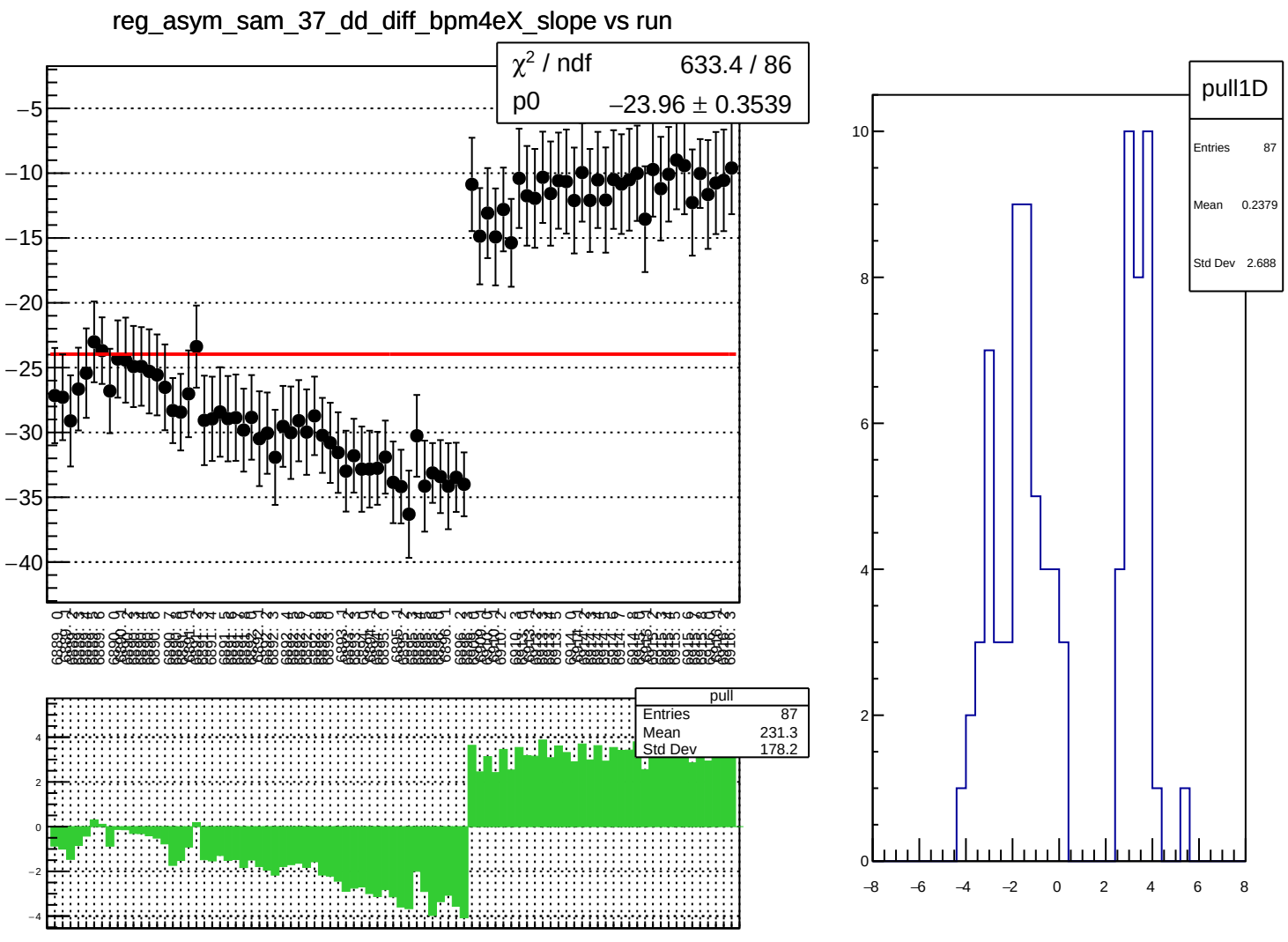

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 140.2 / 86
p0 −76.64 ± 0.7269
−50
−60
−70
−80
−90
−100
pull
Entries 87
Mean 244.3
Std Dev 191.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean 0.1047
Std Dev 1.265
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

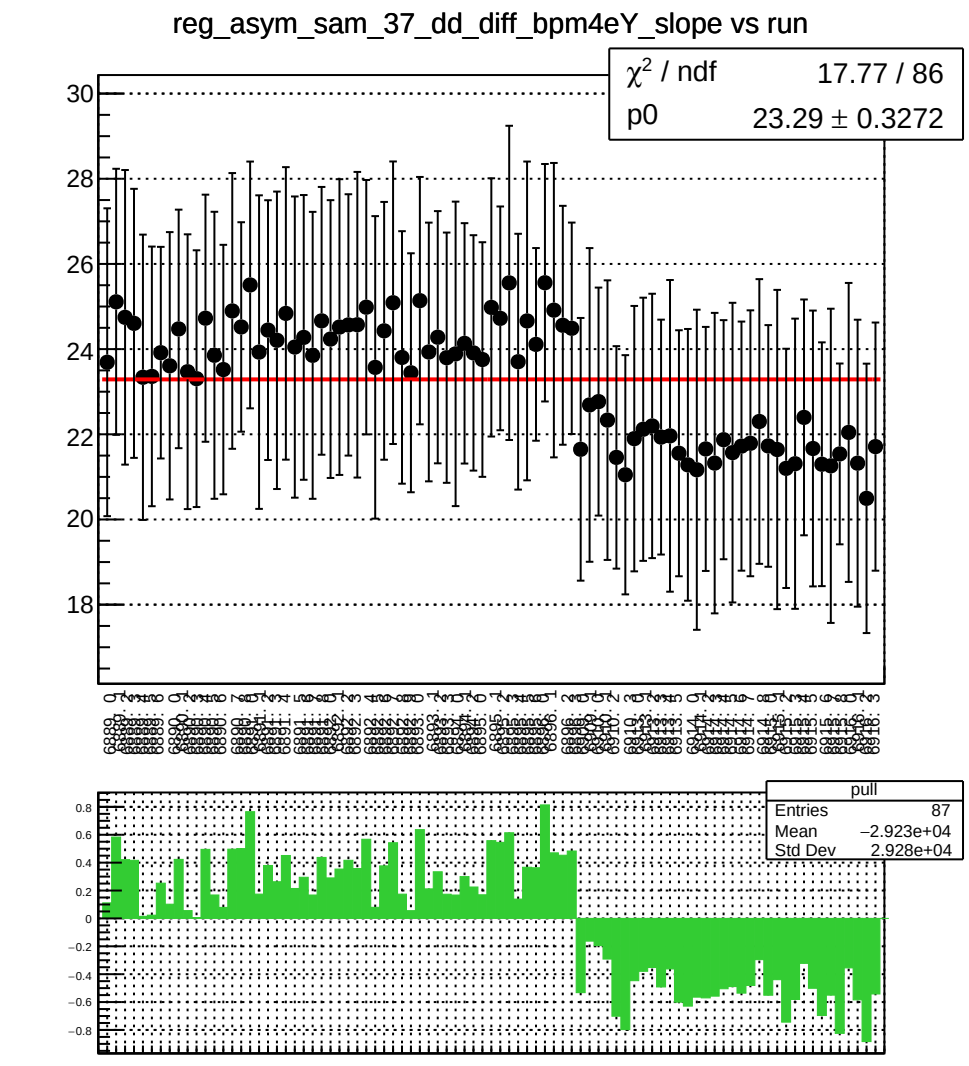

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.651 / 86
p0 8.277 ± 0.6723
pull
Entries 87
Mean 779
Std Dev 725.9
pull1D
Entries 87
Mean −0.004716
Std Dev 0.2548

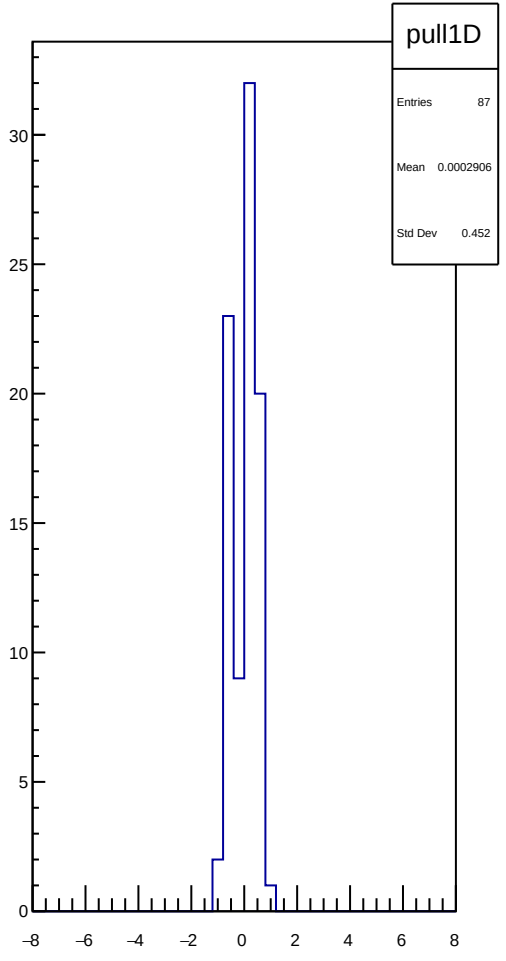

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.371 / 86
p0 0.2021± 0.02961
pull
Entries 87
Mean −274.7
Std Dev 331.3
pull1D
Entries 87
Mean −0.002687
Std Dev 0.1255

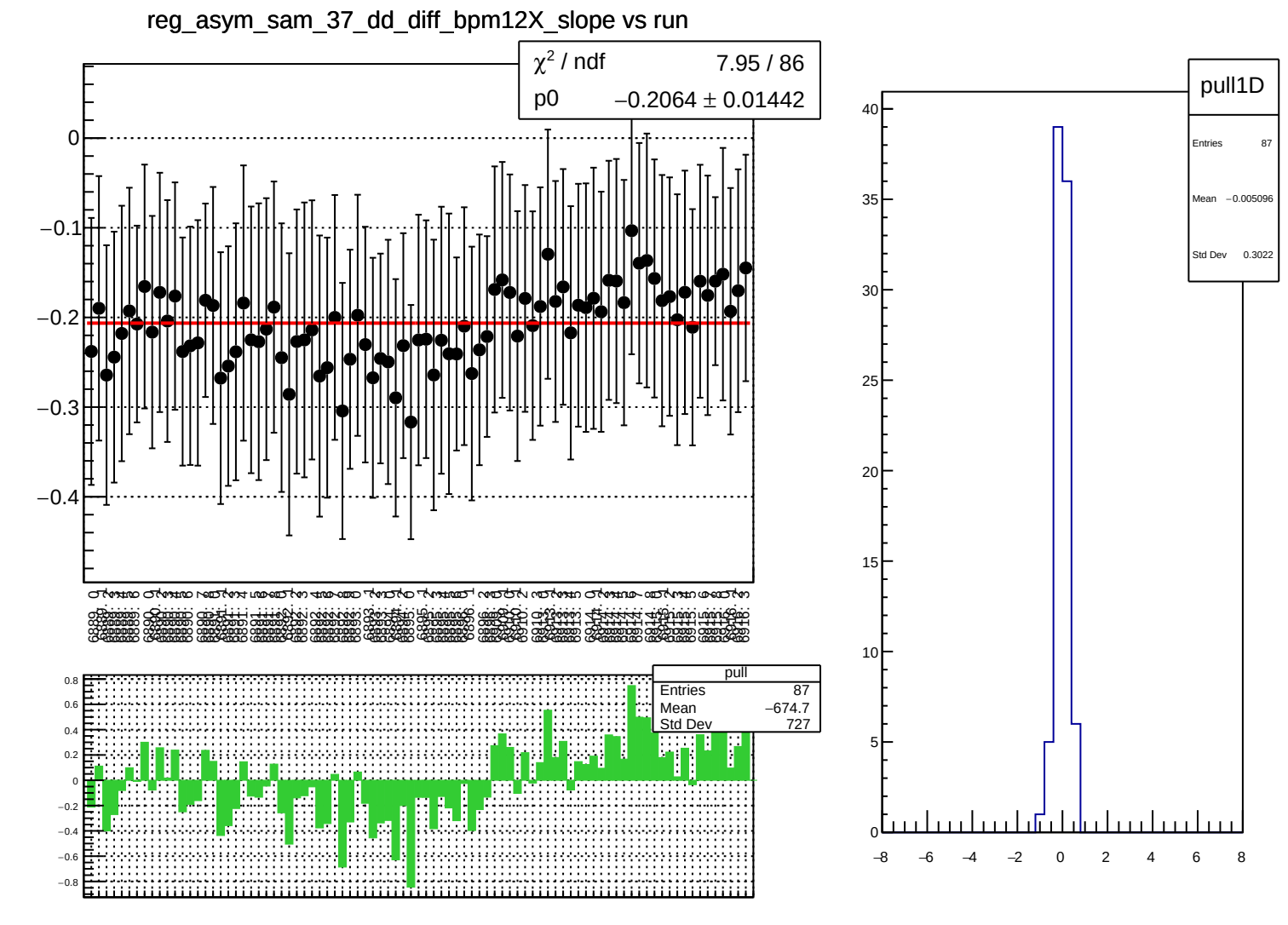

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 601.6 / 86
p0 −11.35 ± 0.3699
pull
Entries 87
Mean 199.7
Std Dev 146.6
pull1D
Entries 87
Mean −0.2829
Std Dev 2.614

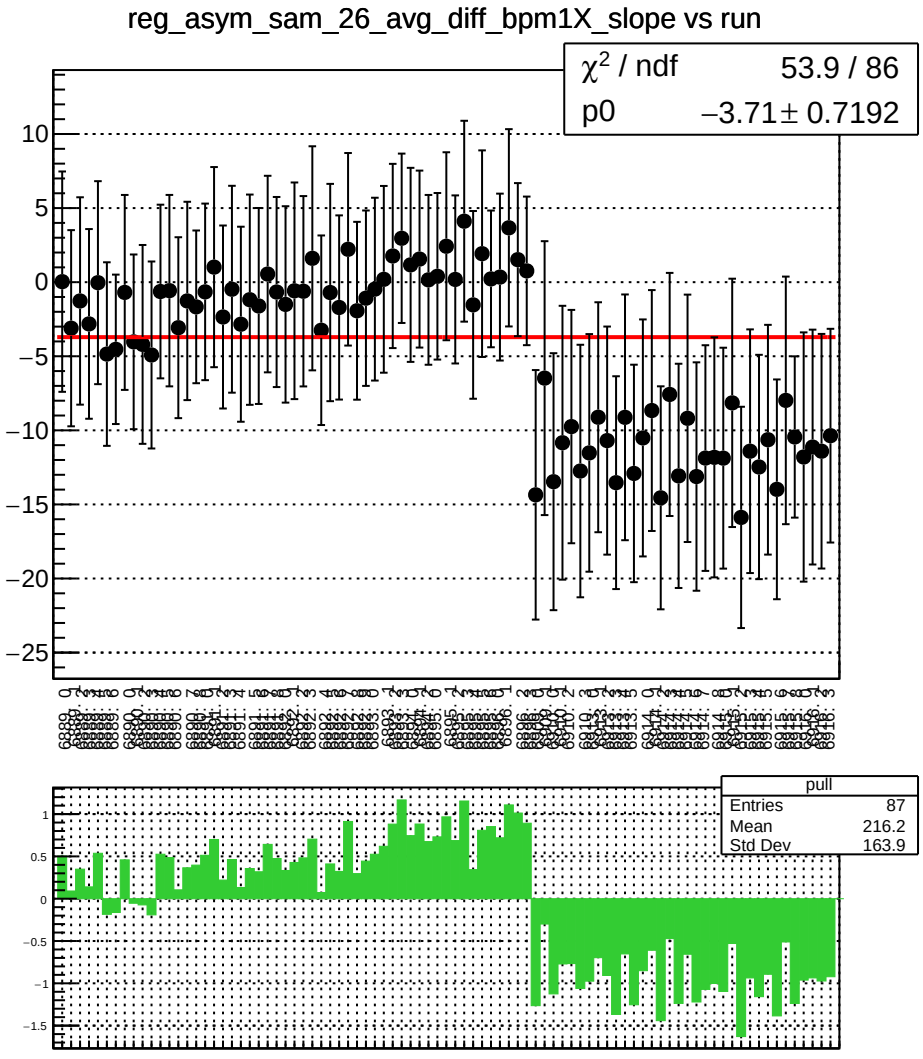

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.23 / 86
p0 −8.227 ± 0.2769
pull
Entries 87
Mean 1332
Std Dev 1284
pull1D
Entries 87
Mean 0.006749
Std Dev 0.445

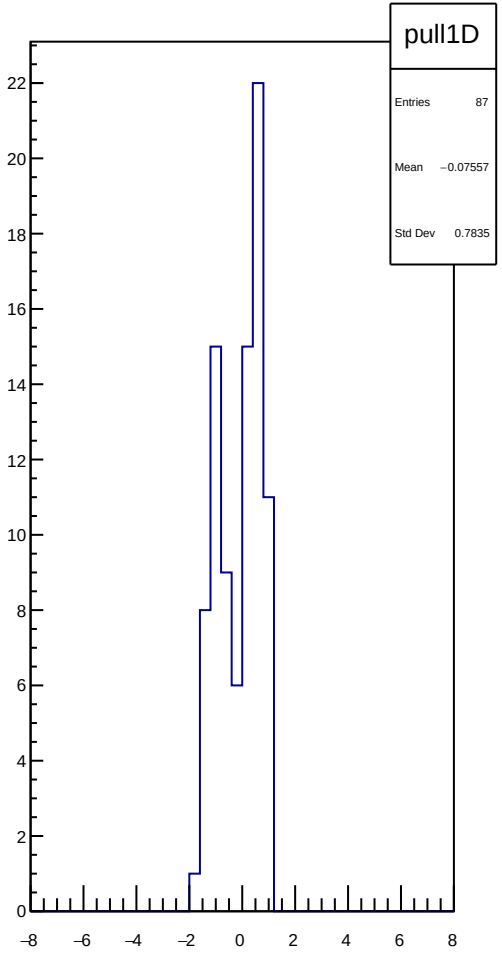

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 633.4 / 86
p0 −23.96 ± 0.3539
pull
Entries 87
Mean 231.3
Std Dev 178.2
pull1D
Entries 87
Mean 0.2379
Std Dev 2.688

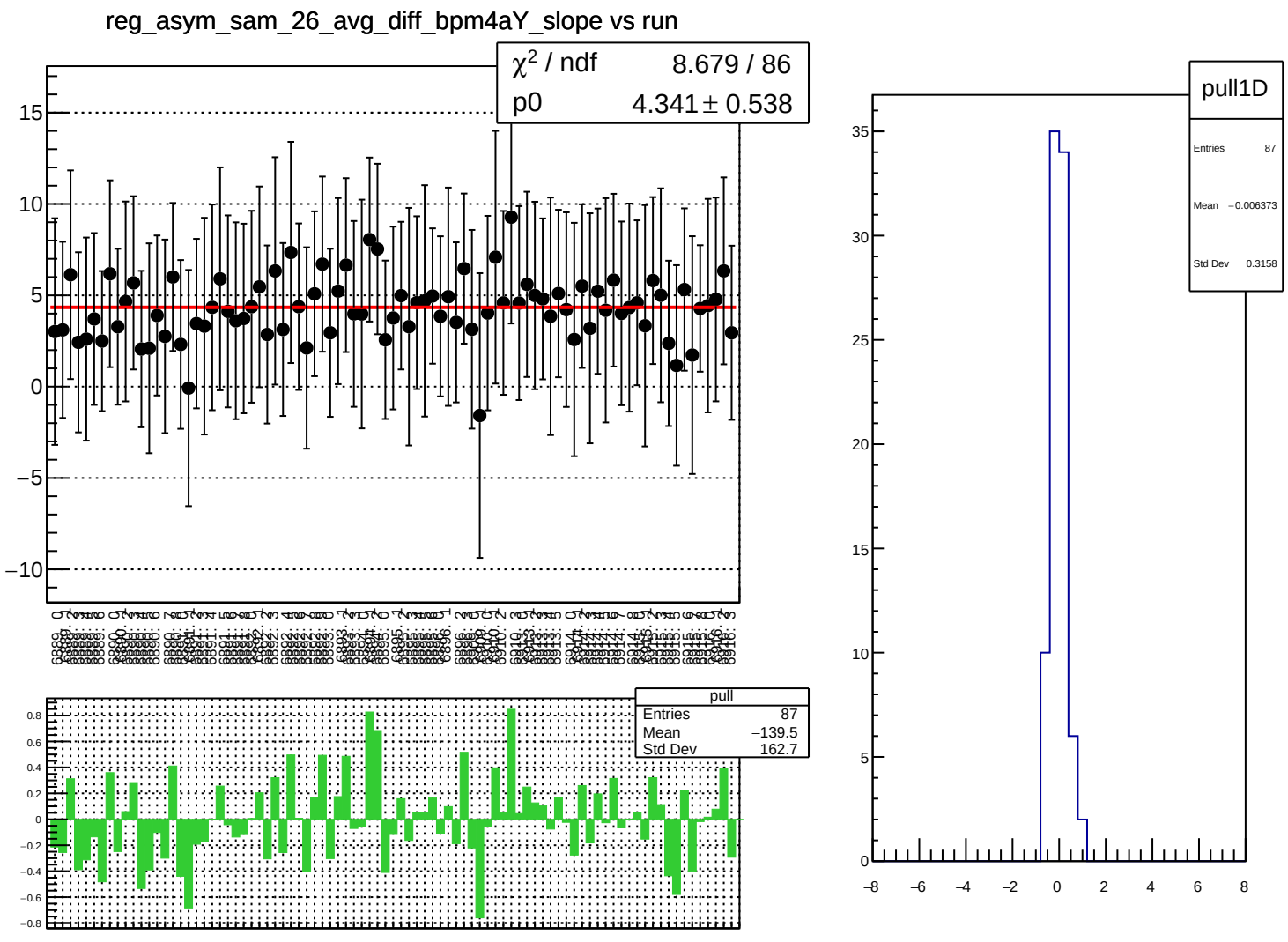

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.77 / 86
p0 23.29 ± 0.3272
30
28
26
24
22
20
18
pull
Entries 87
Mean −2.923e+04
Std Dev 2.928e+04
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

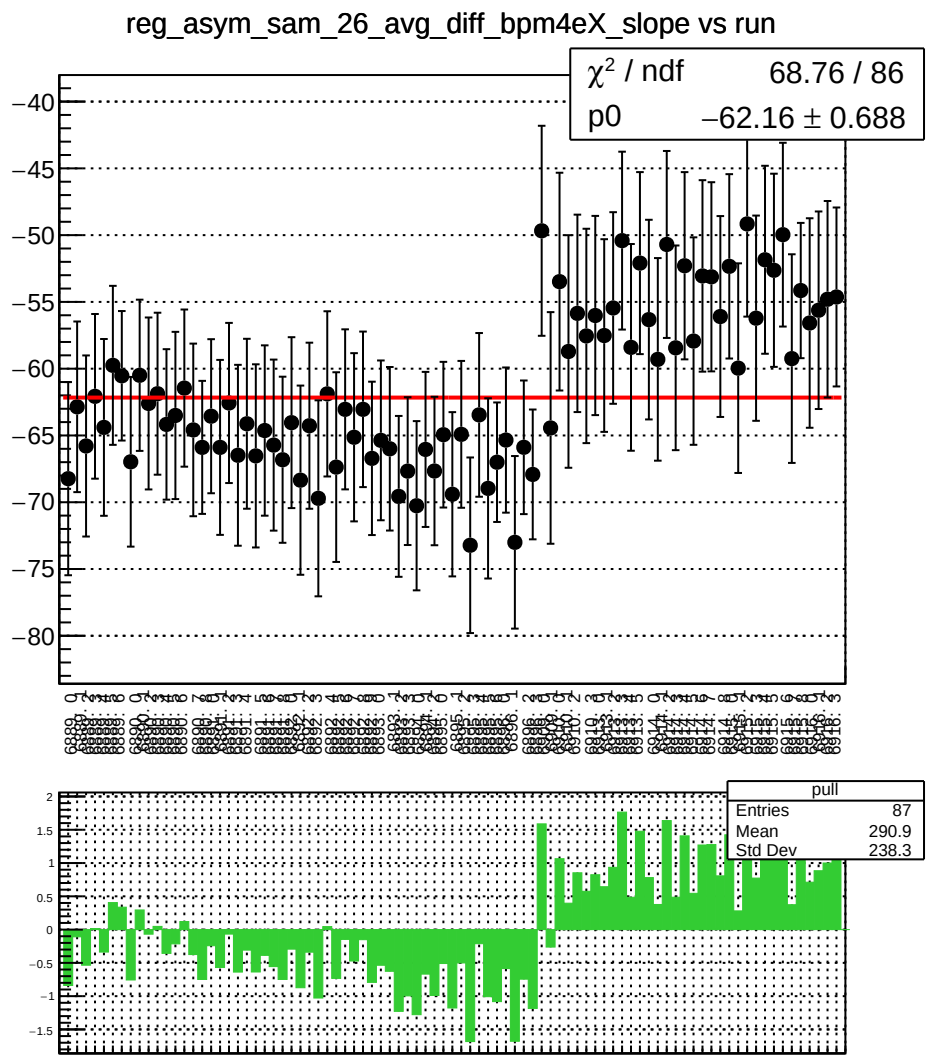

pull1D
Entries 87
Mean 0.0002906
Std Dev 0.452
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

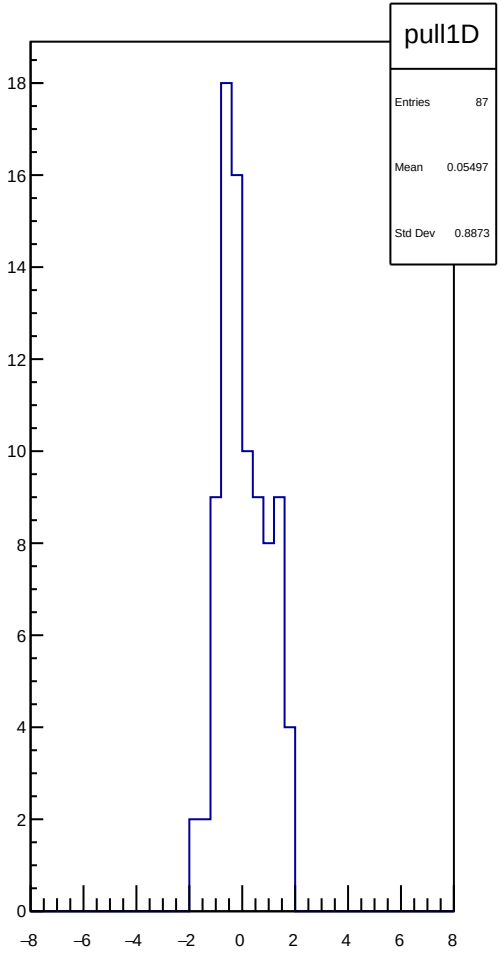

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.95 / 86
p0 −0.2064 ± 0.01442
pull
Entries 87
Mean −674.7
Std Dev 727
pull1D
Entries 87
Mean −0.005096
Std Dev 0.3022

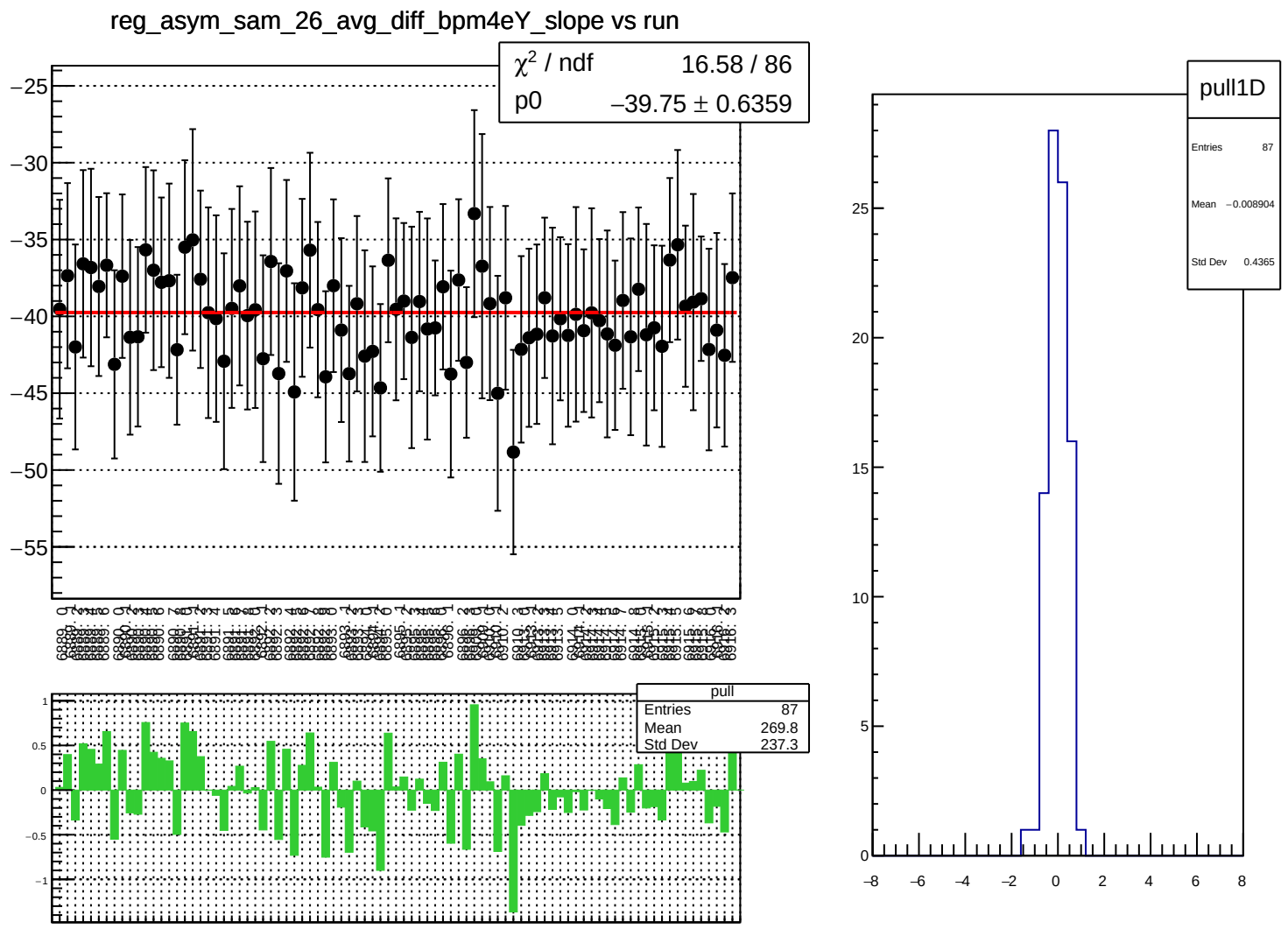

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 53.9 / 86
p0 −3.71 ± 0.7192
pull
Entries 87
Mean 216.2
Std Dev 163.9

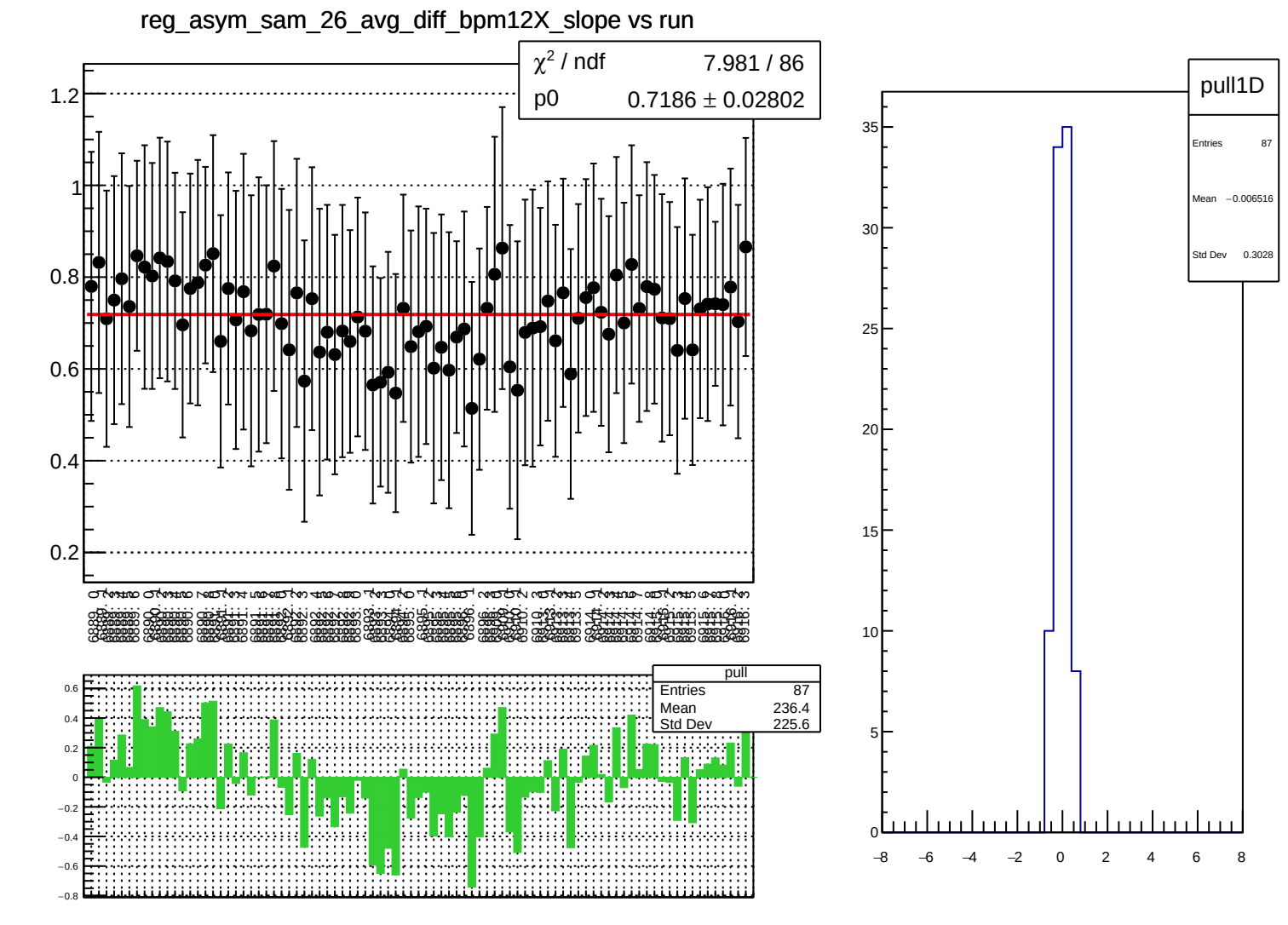

pull1D
Entries 87
Mean −0.07557
Std Dev 0.7835

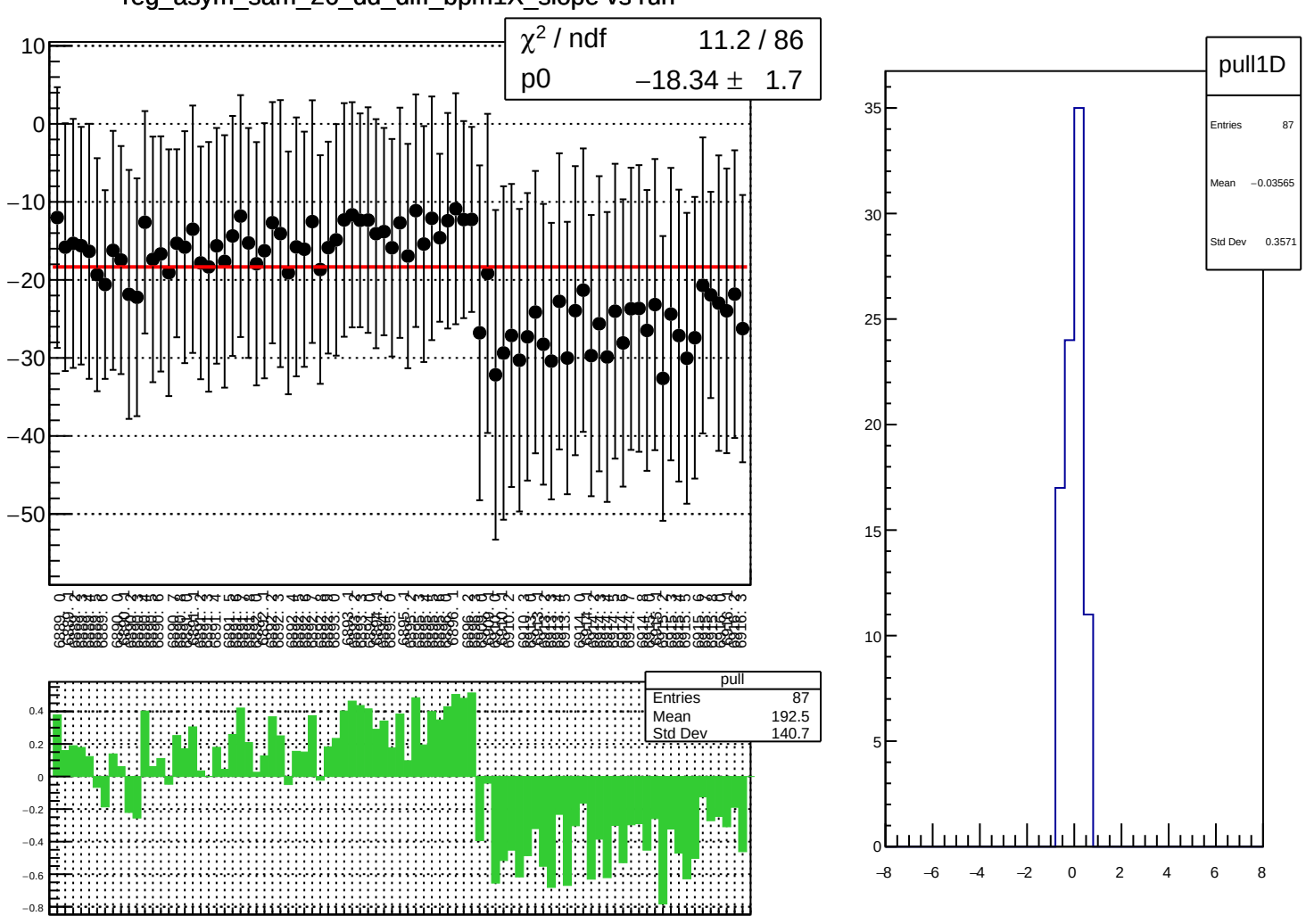

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.679 / 86
p0 4.341 ± 0.538
pull
Entries 87
Mean −139.5
Std Dev 162.7
pull1D
Entries 87
Mean −0.006373
Std Dev 0.3158

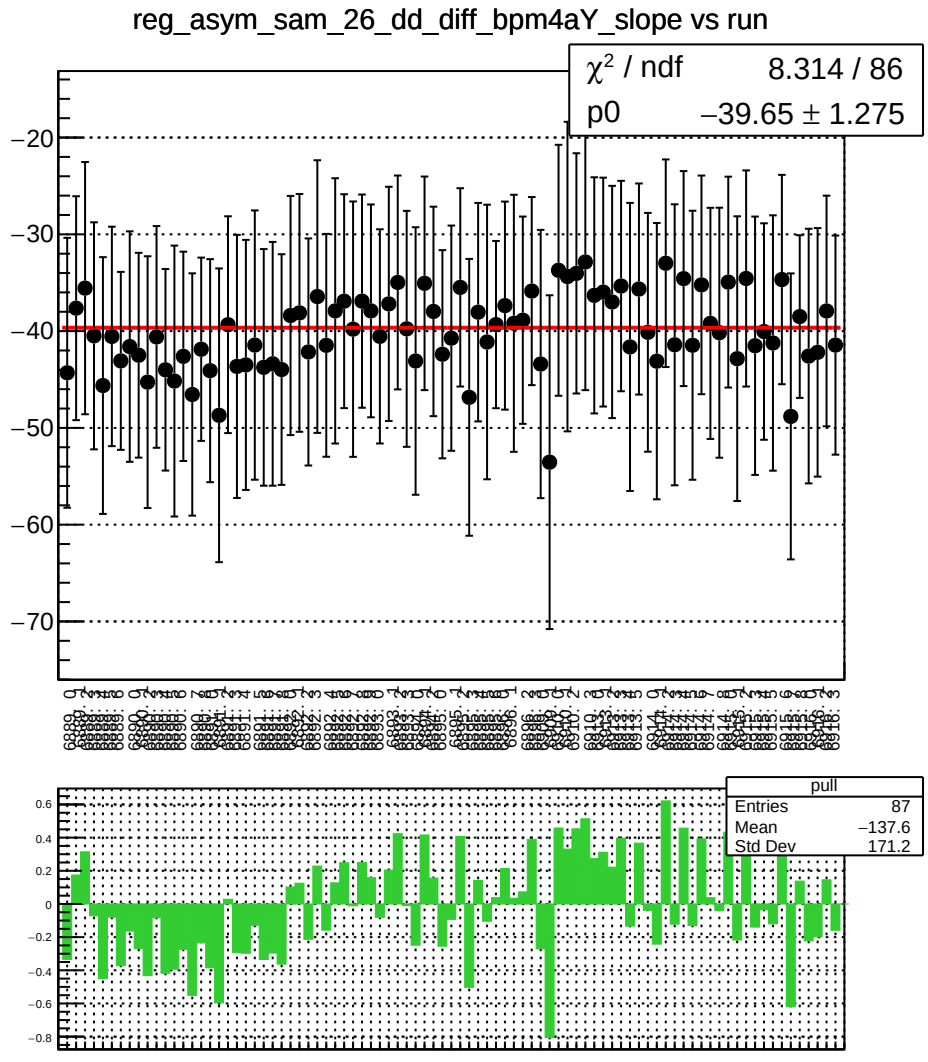

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.76 / 86
p0 −62.16 ± 0.688
pull
Entries 87
Mean 290.9
Std Dev 238.3

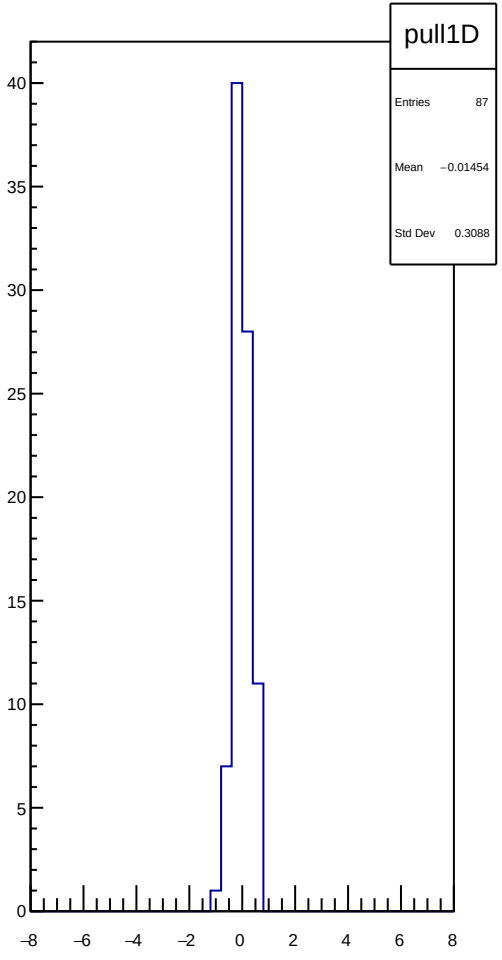

pull1D
Entries 87
Mean 0.05497
Std Dev 0.8873

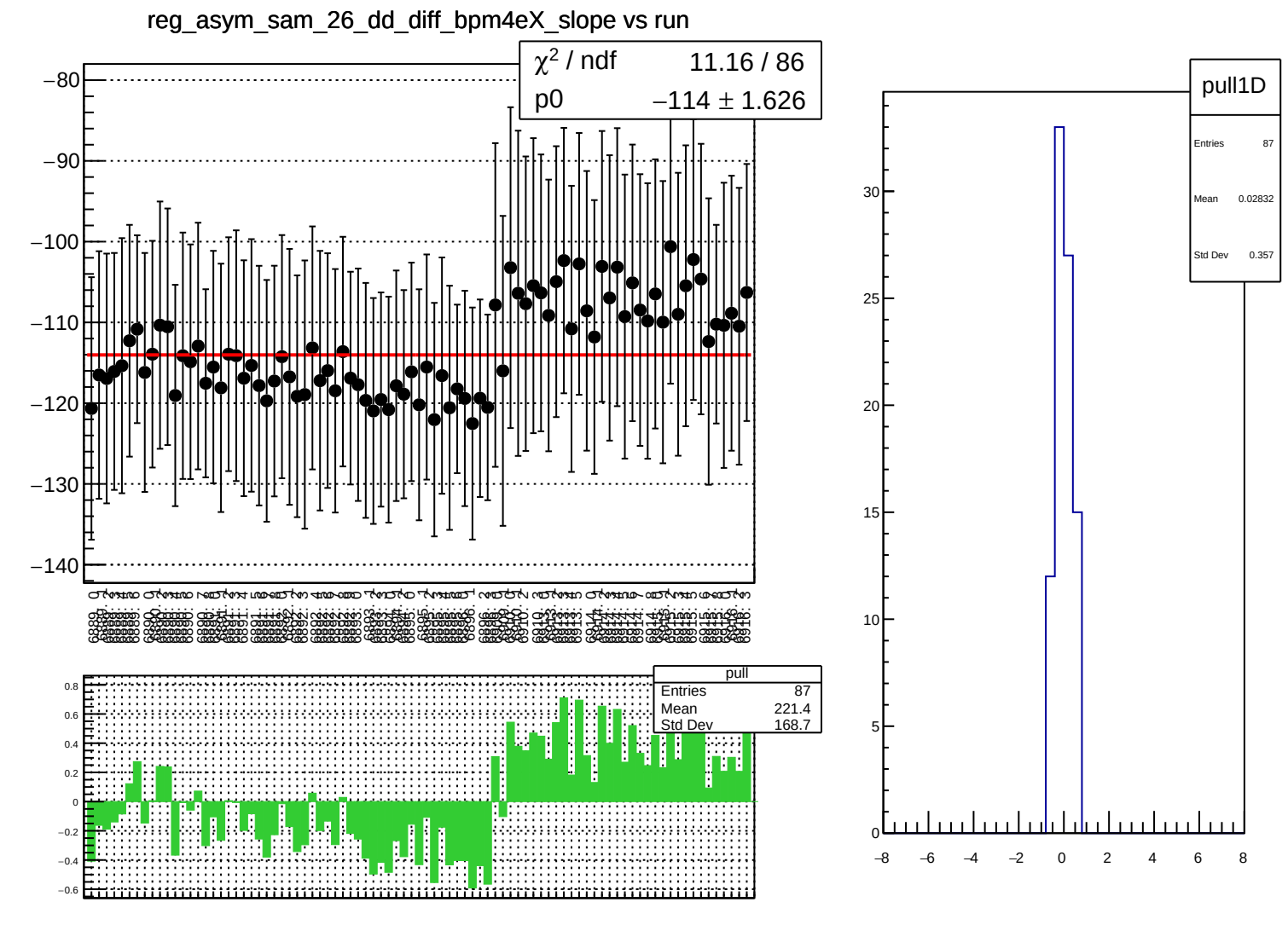

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.58 / 86
p0 −39.75 ± 0.6359
pull
Entries 87
Mean 269.8
Std Dev 237.3
pull1D
Entries 87
Mean −0.008904
Std Dev 0.4365

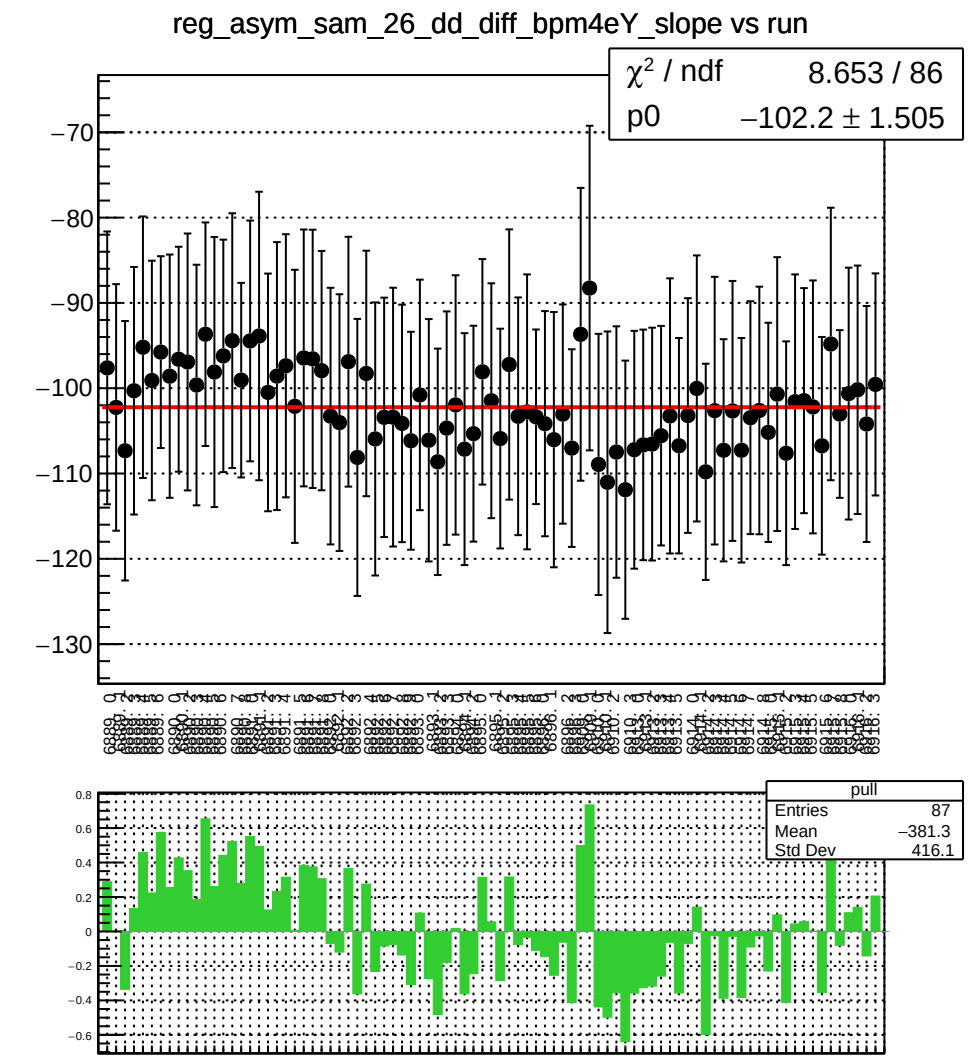

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.981 / 86
p0 0.7186 ± 0.02802
pull
Entries 87
Mean 236.4
Std Dev 225.6
pull1D
Entries 87
Mean −0.006516
Std Dev 0.3028

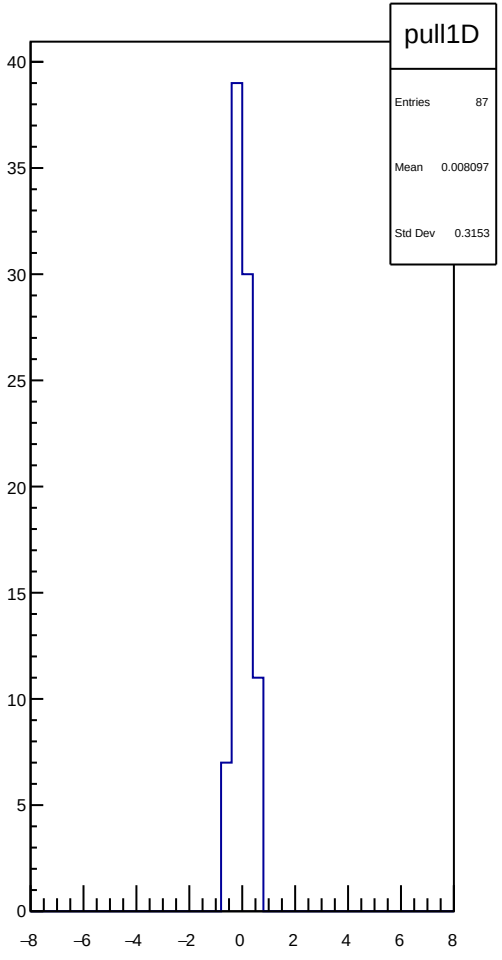

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.2 / 86
p0 −18.34 ± 1.7
pull
Entries 87
Mean 192.5
Std Dev 140.7
pull1D
Entries 87
Mean −0.03565
Std Dev 0.3571

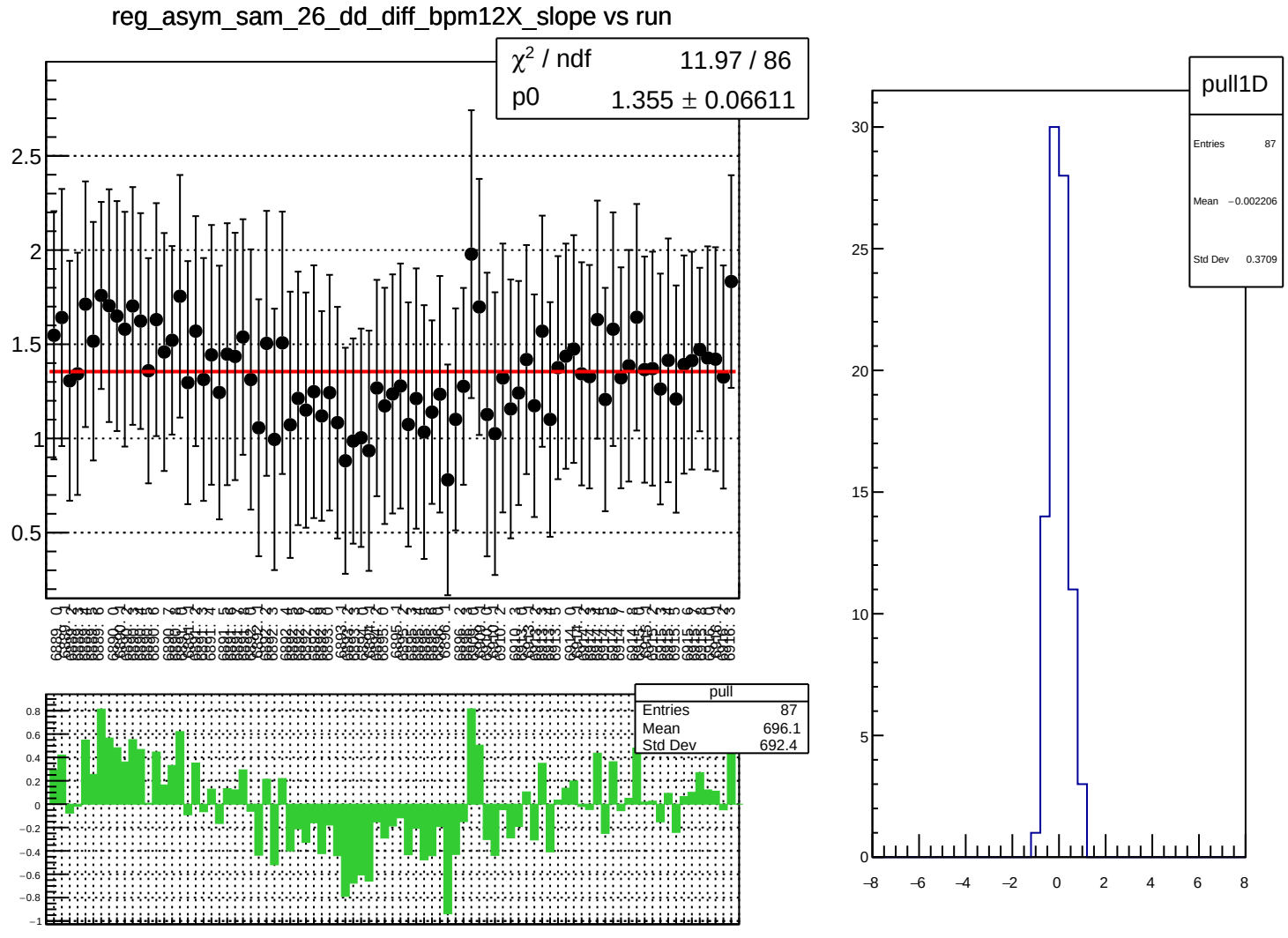

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.314 / 86
p0 −39.65 ± 1.275
pull
Entries 87
Mean −137.6
Std Dev 171.2

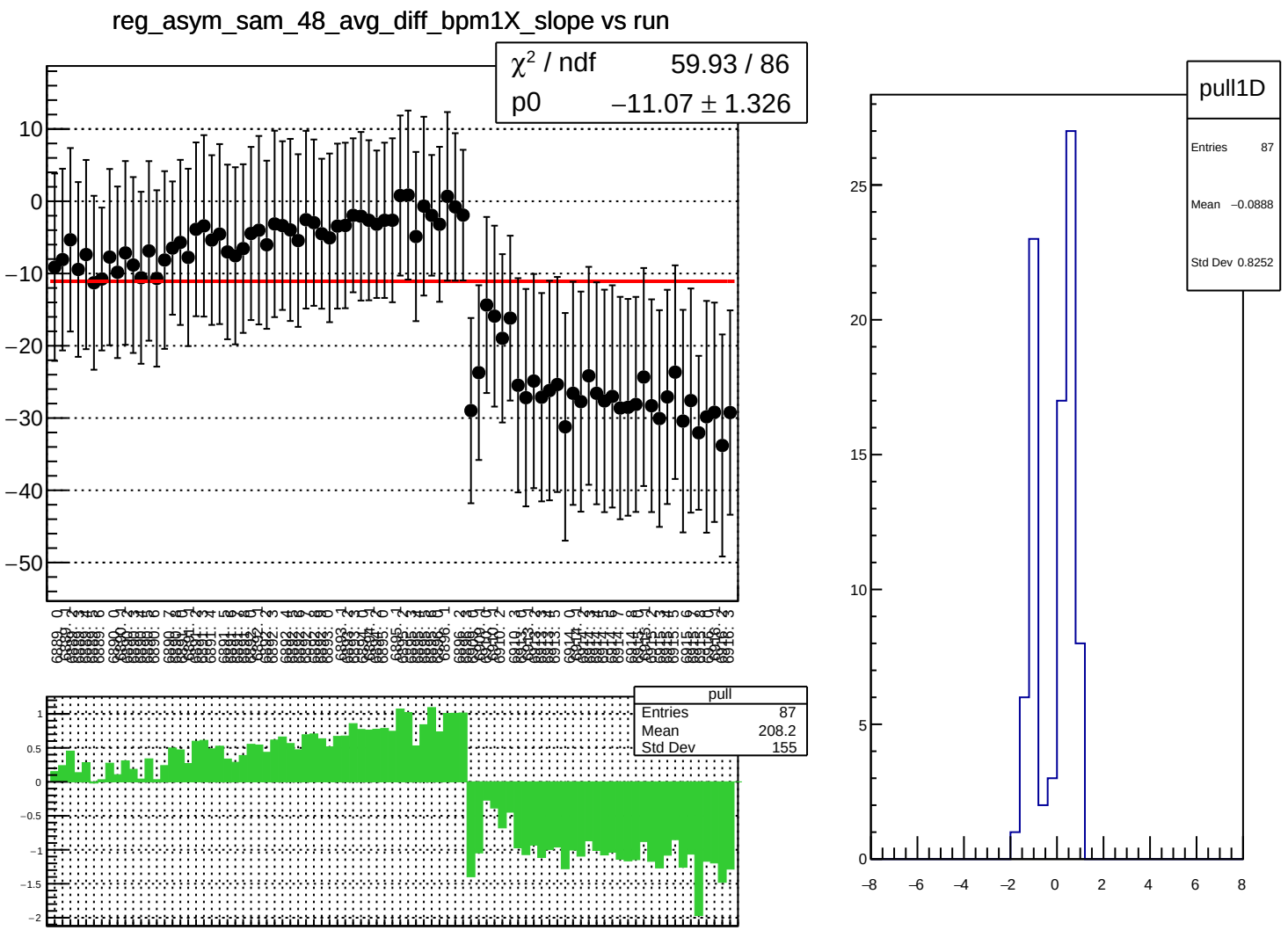

pull1D
Entries 87
Mean −0.01454
Std Dev 0.3088

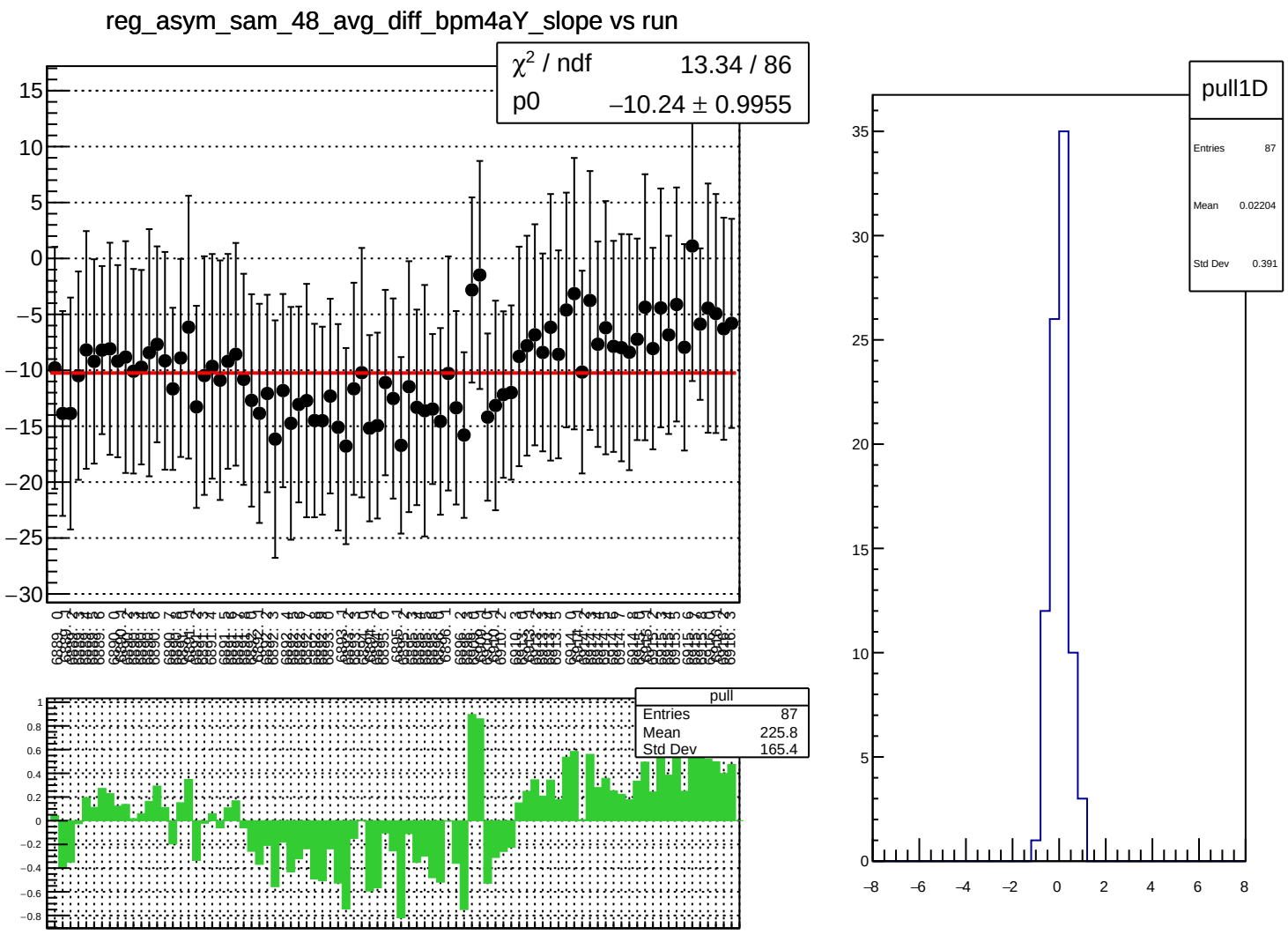

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.16 / 86
p0 −114 ± 1.626
−80
−90
−100
−110
−120
−130
−140
pull
Entries 87
Mean 221.4
Std Dev 168.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.02832
Std Dev 0.357
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

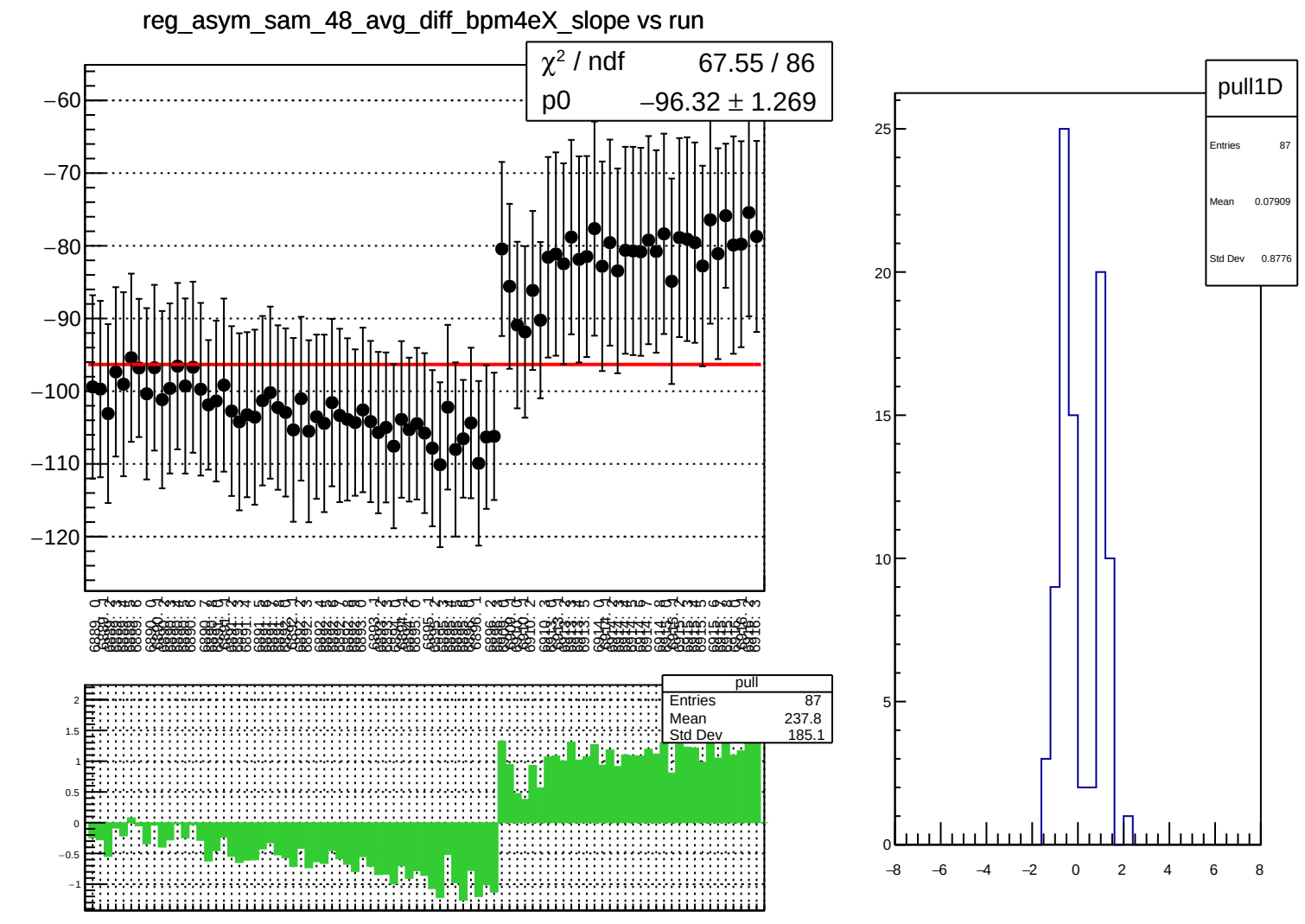

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.653 / 86
p0 −102.2 ± 1.505
pull
Entries 87
Mean −381.3
Std Dev 416.1

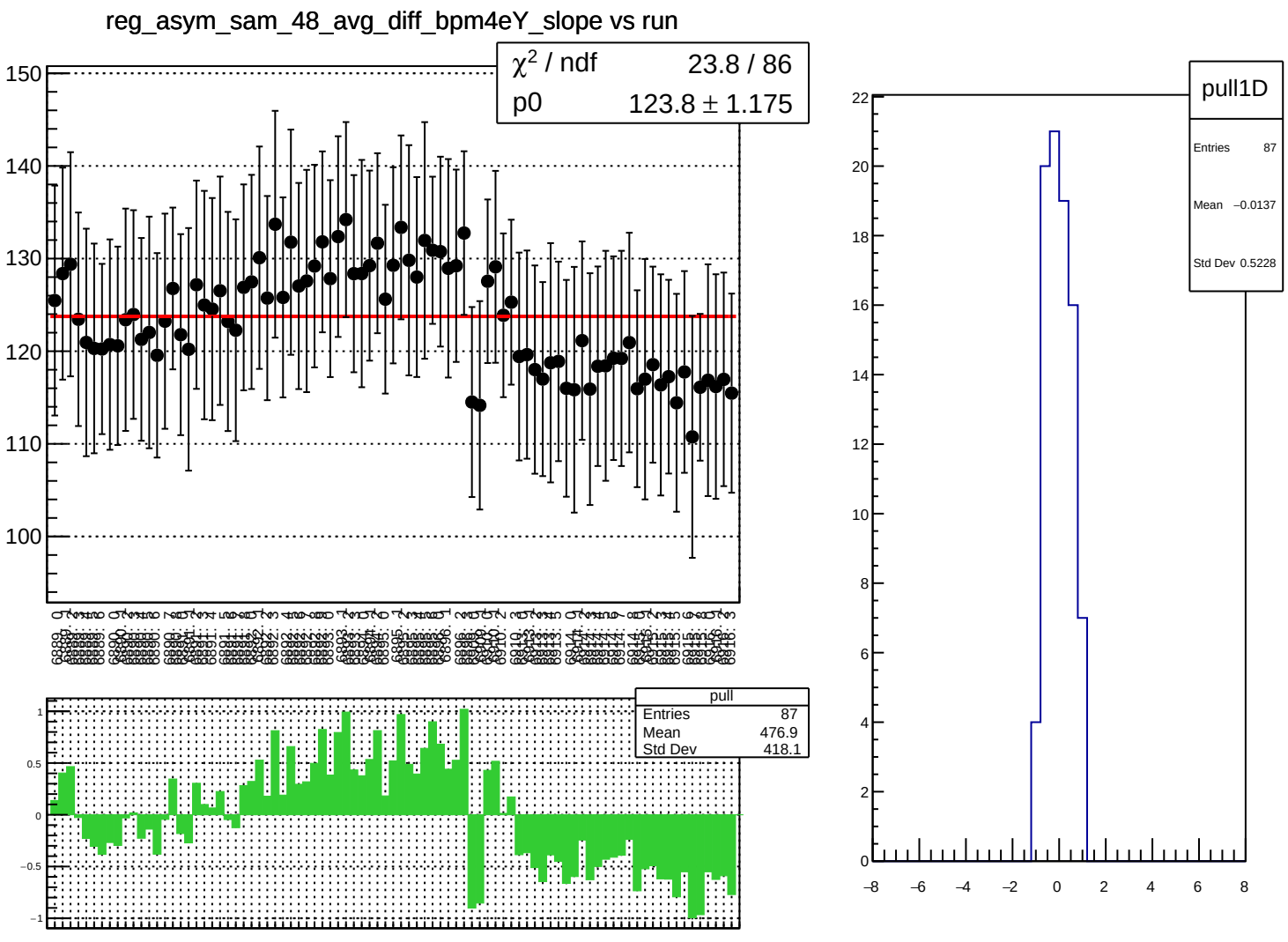

pull1D
Entries 87
Mean 0.008097
Std Dev 0.3153

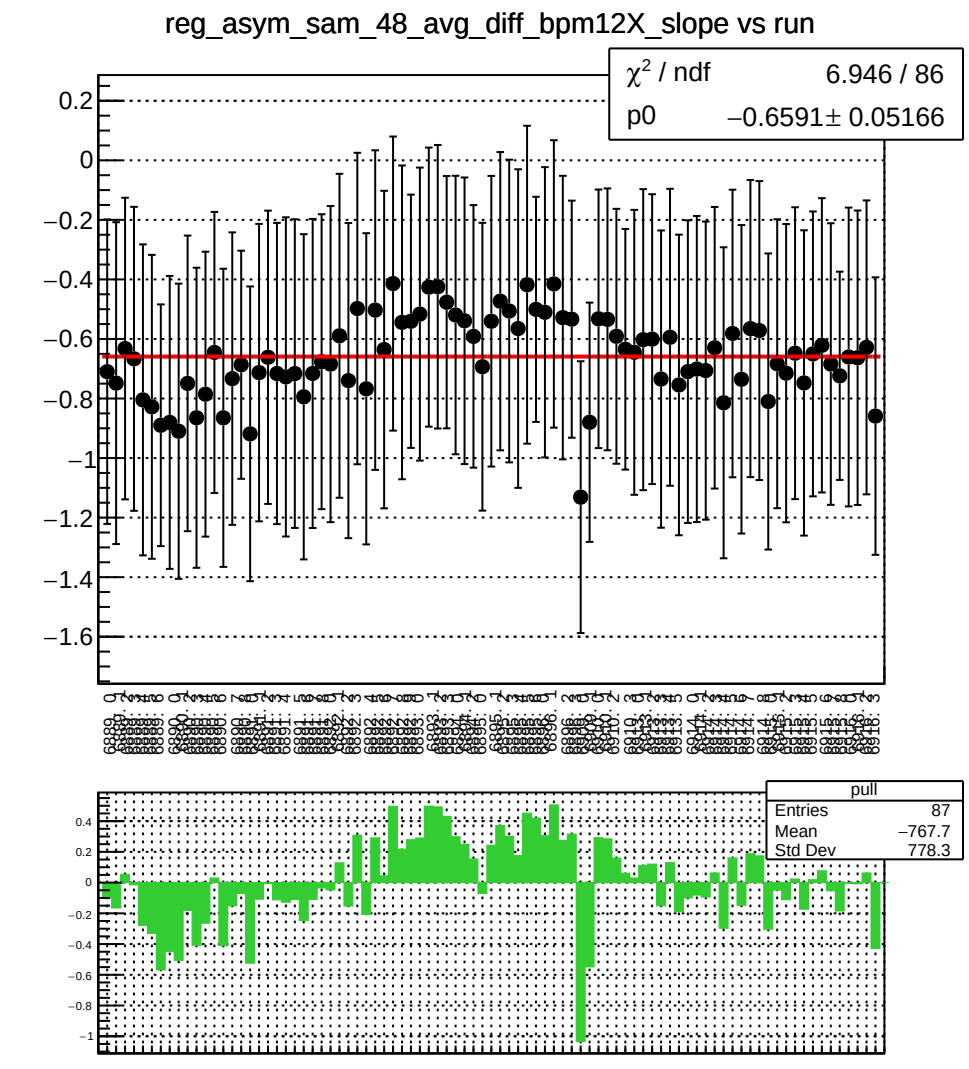

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.97 / 86
p0 1.355 ± 0.06611
pull
Entries 87
Mean 696.1
Std Dev 692.4
pull1D
Entries 87
Mean −0.002206
Std Dev 0.3709

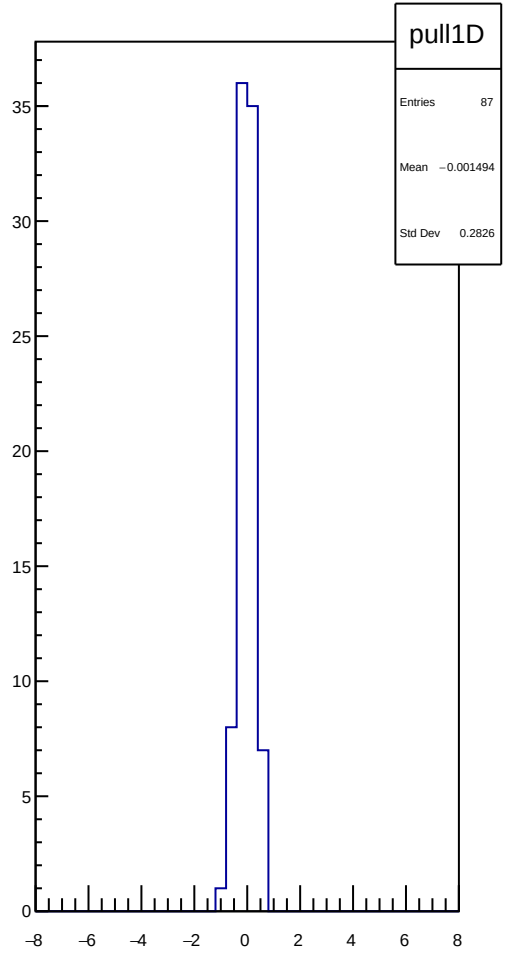

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 59.93 / 86
p0 −11.07 ± 1.326
pull
Entries 87
Mean 208.2
Std Dev 155
pull1D
Entries 87
Mean −0.0888
Std Dev 0.8252

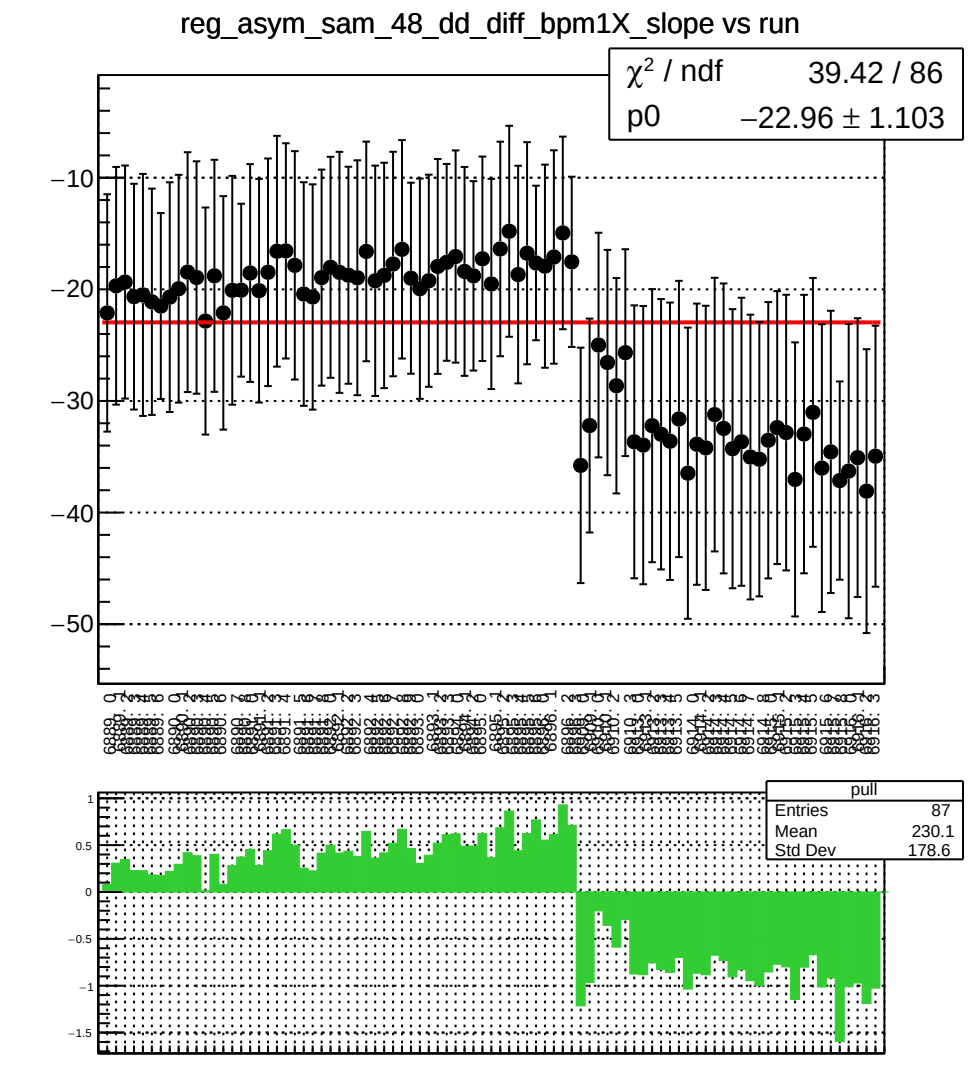

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.34 / 86
p0 −10.24 ± 0.9955
pull
Entries 87
Mean 225.8
Std Dev 165.4
pull1D
Entries 87
Mean 0.02204
Std Dev 0.391

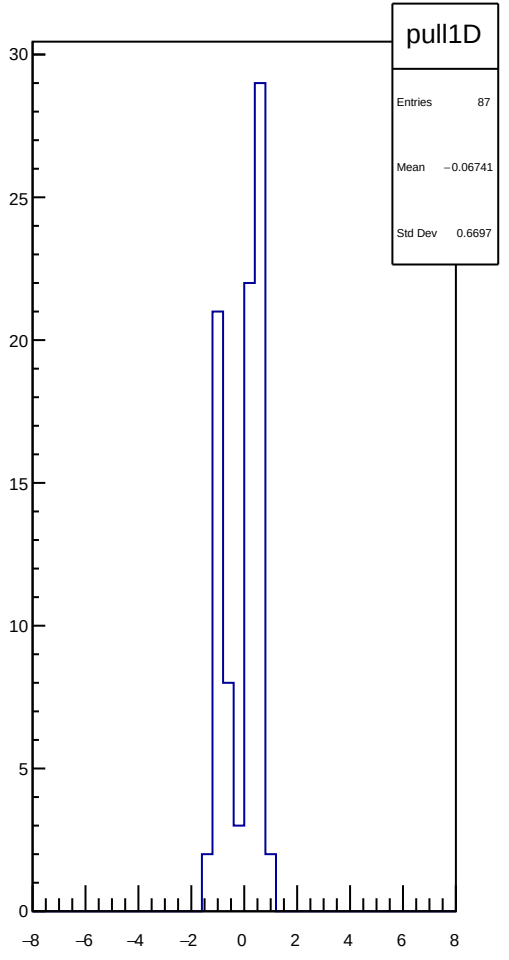

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.55 / 86
p0 −96.32 ± 1.269
pull
Entries 87
Mean 237.8
Std Dev 185.1
pull1D
Entries 87
Mean 0.07909
Std Dev 0.8776

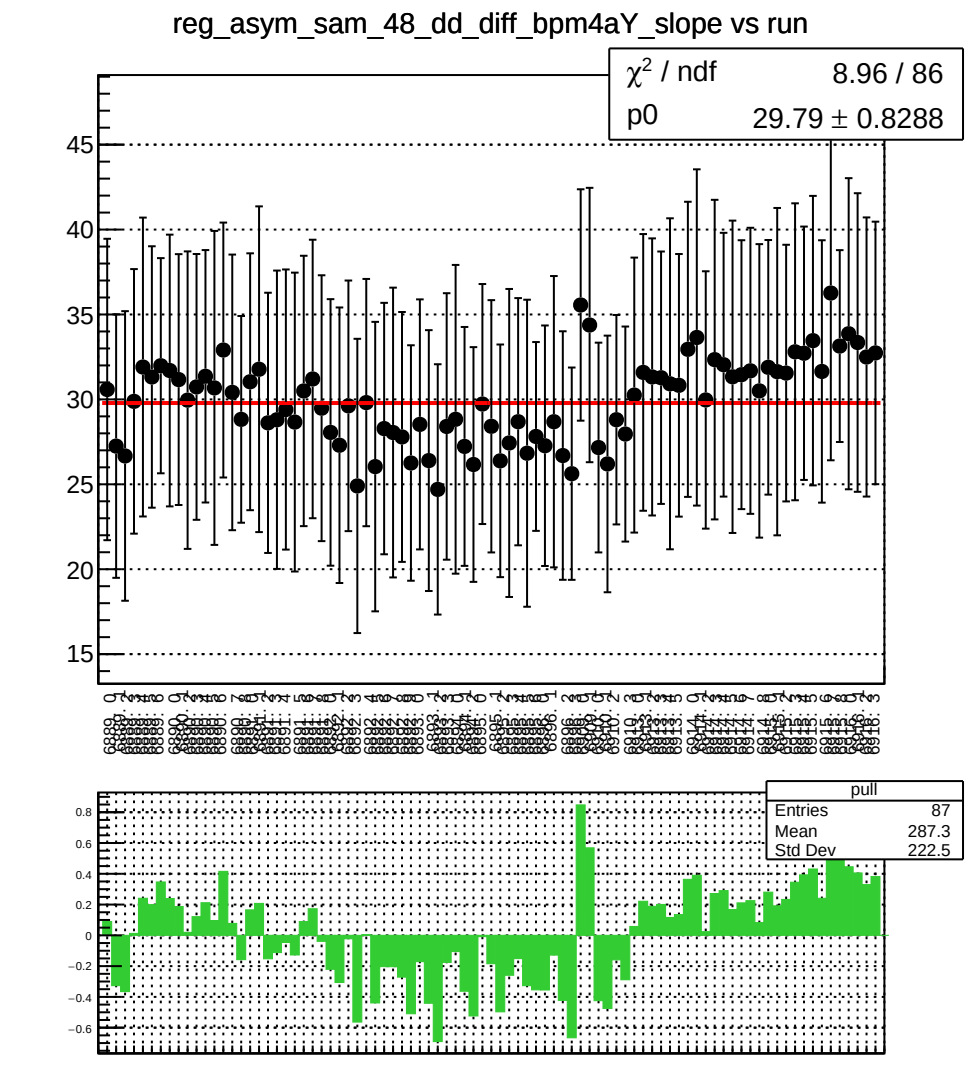

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.8 / 86
p0 123.8 ± 1.175
150
140
130
120
110
100
pull
Entries 87
Mean 476.9
Std Dev 418.1
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.0137
Std Dev 0.5228
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

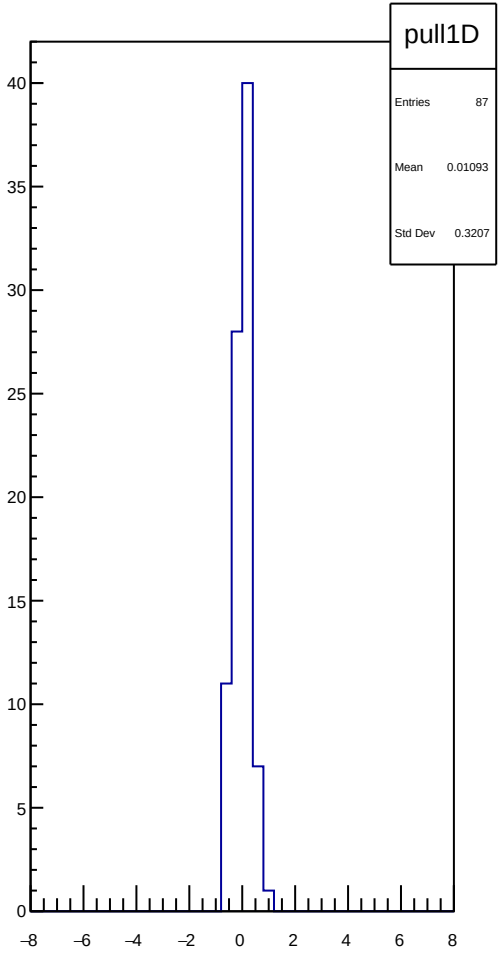

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 6.946 / 86
p0 −0.6591 ± 0.05166
pull
Entries 87
Mean −767.7
Std Dev 778.3

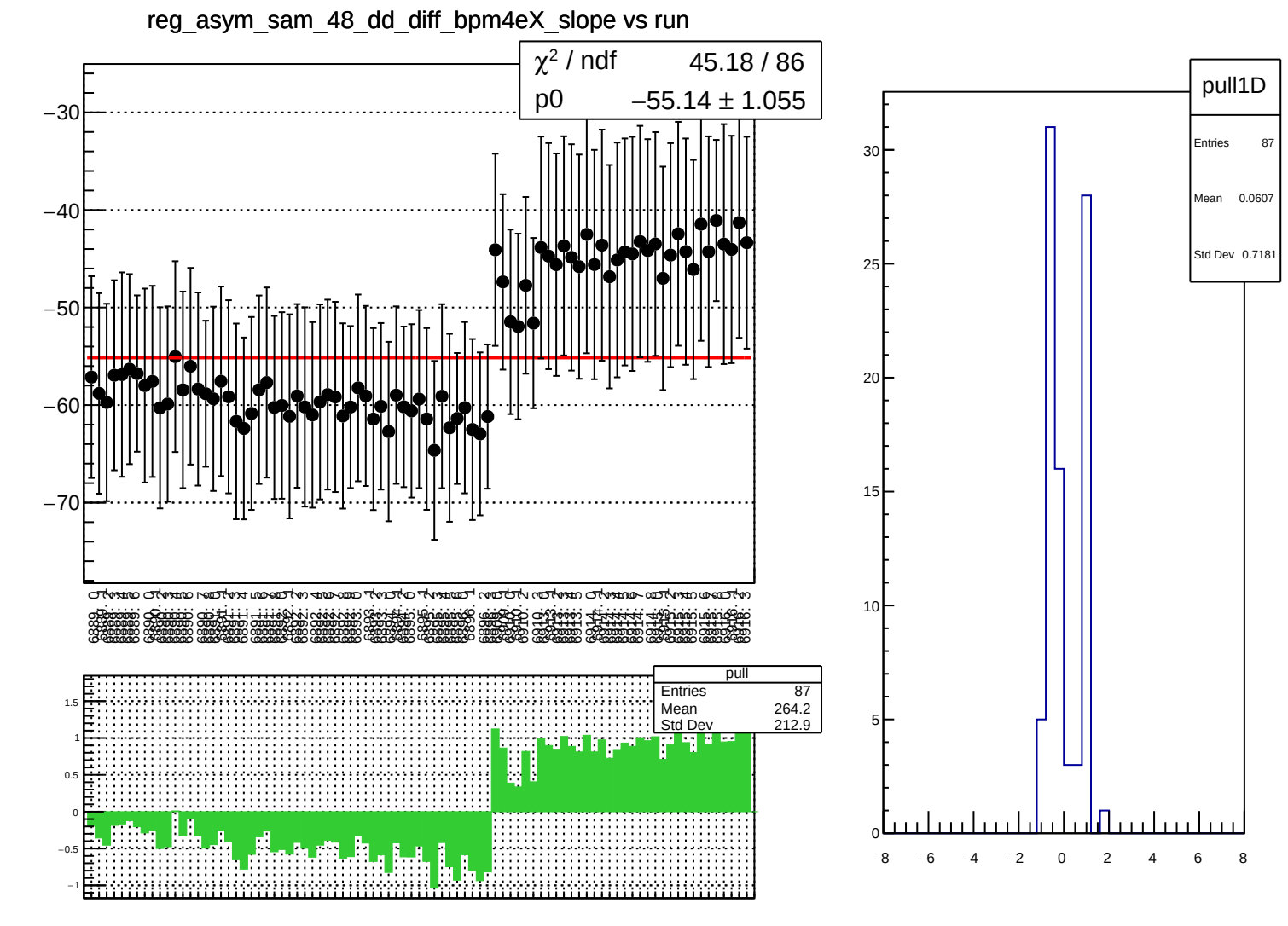

pull1D
Entries 87
Mean −0.001494
Std Dev 0.2826

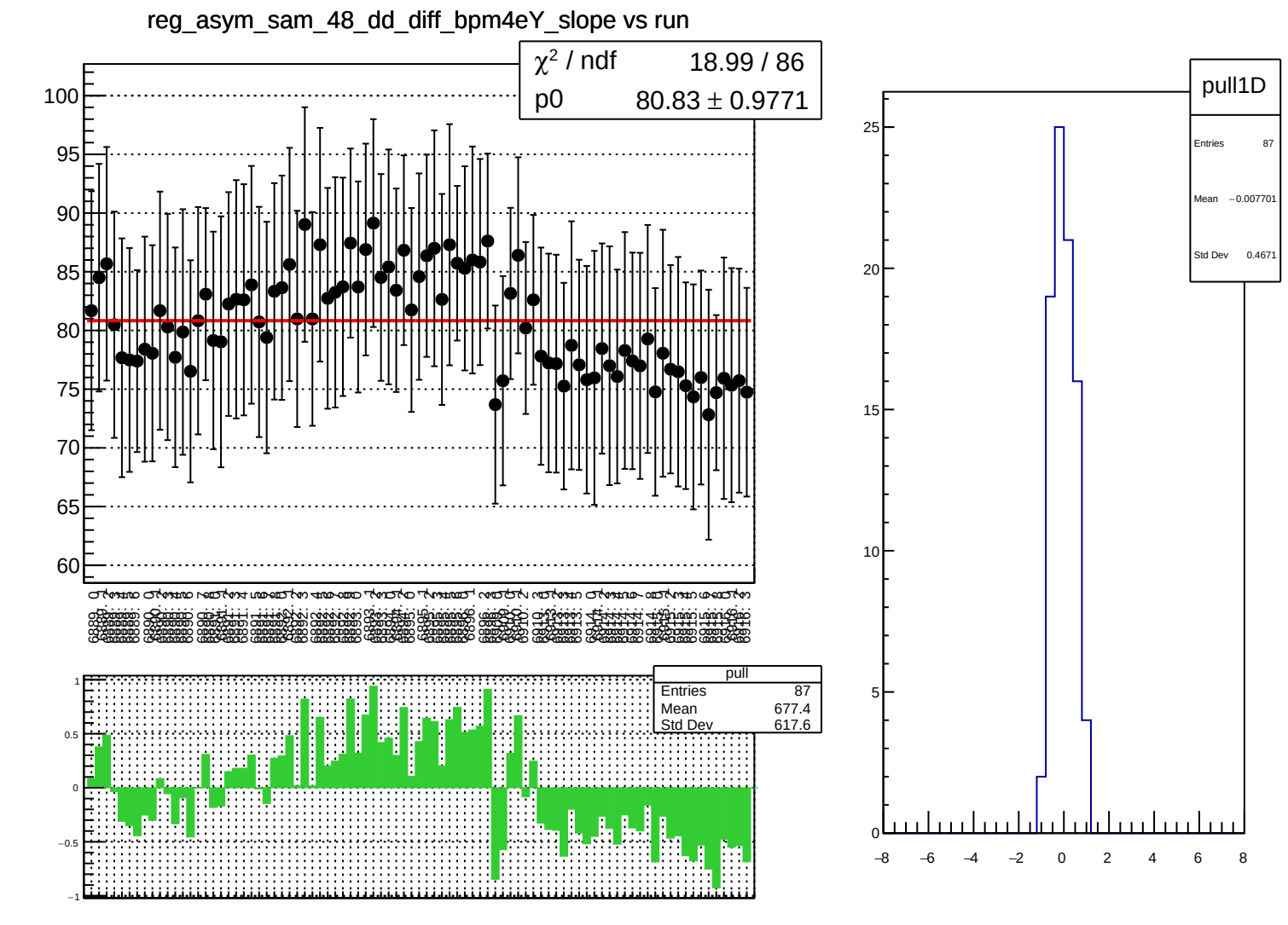

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 39.42 / 86
p0 −22.96 ± 1.103
−10
−20
−30
−40
−50
pull
Entries 87
Mean 230.1
Std Dev 178.6
1
0.5
0
−0.5
−1
−1.5

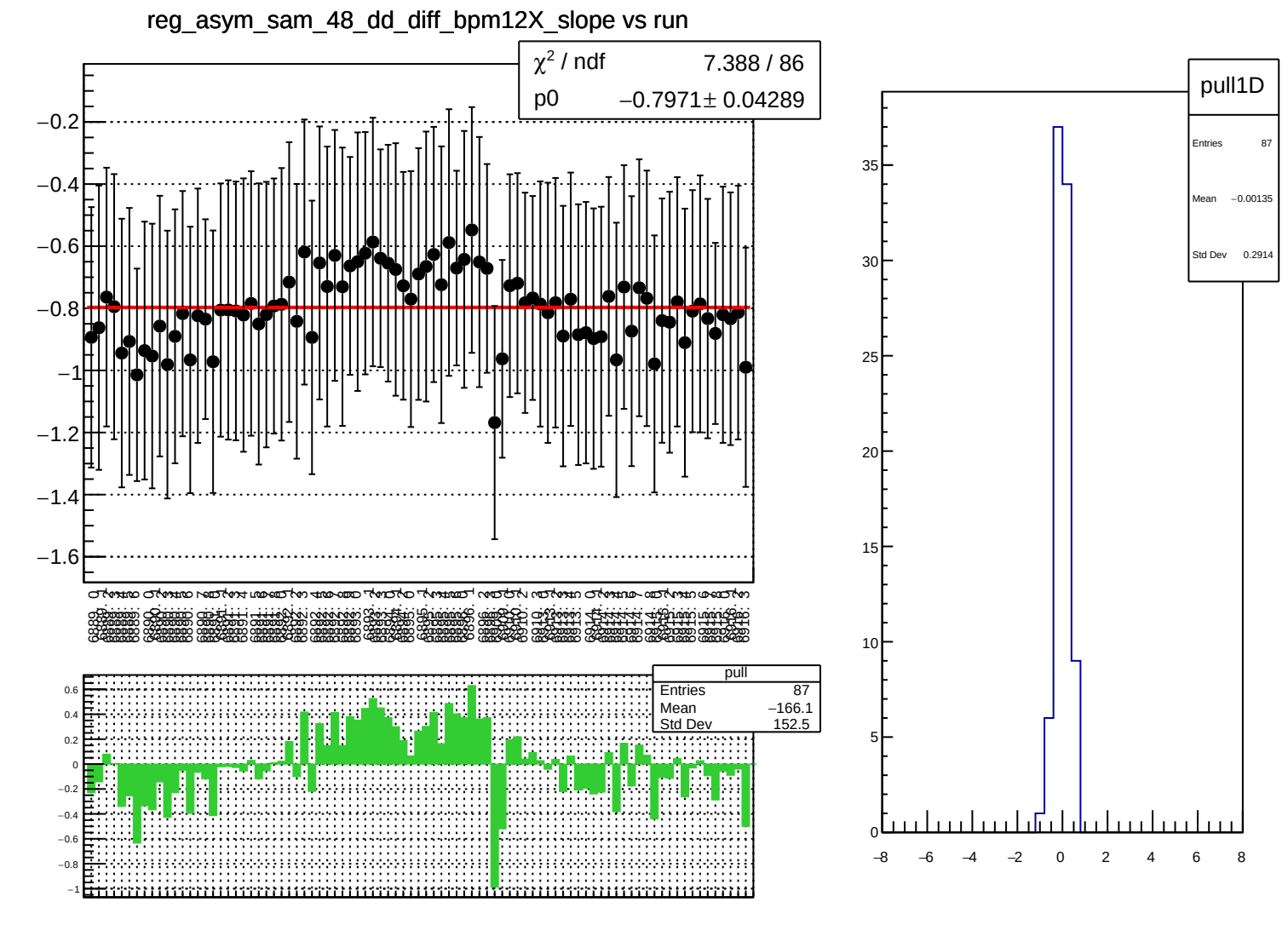

pull1D
Entries 87
Mean −0.06741
Std Dev 0.6697
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

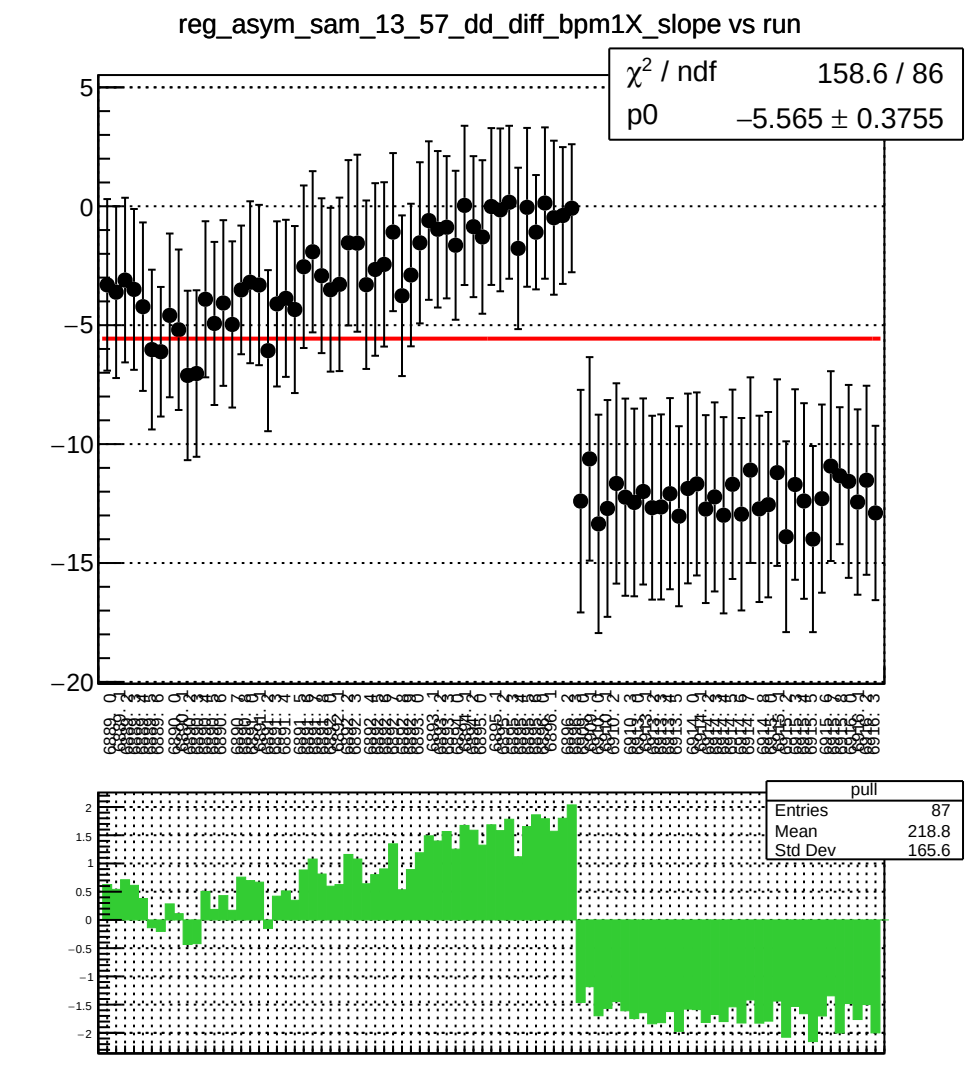

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.96 / 86
p0 29.79 ± 0.8288
pull
Entries 87
Mean 287.3
Std Dev 222.5

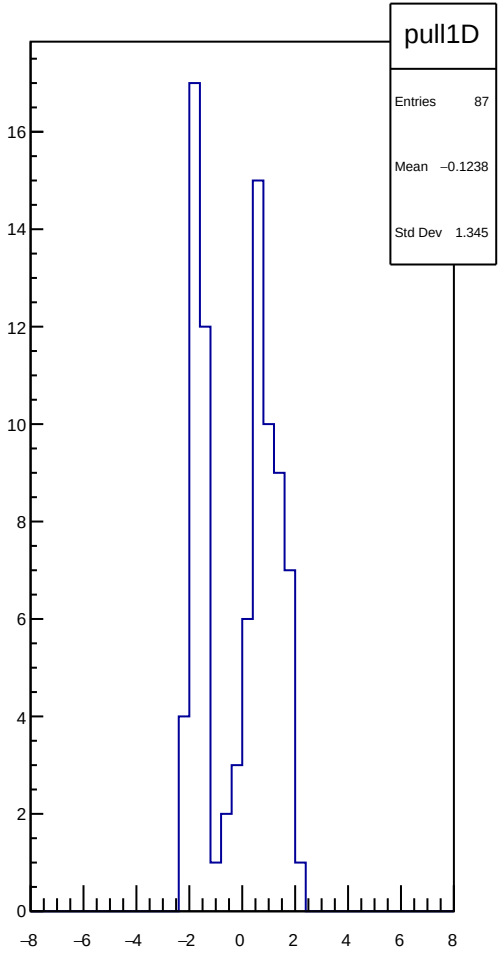

pull1D
Entries 87
Mean 0.01093
Std Dev 0.3207

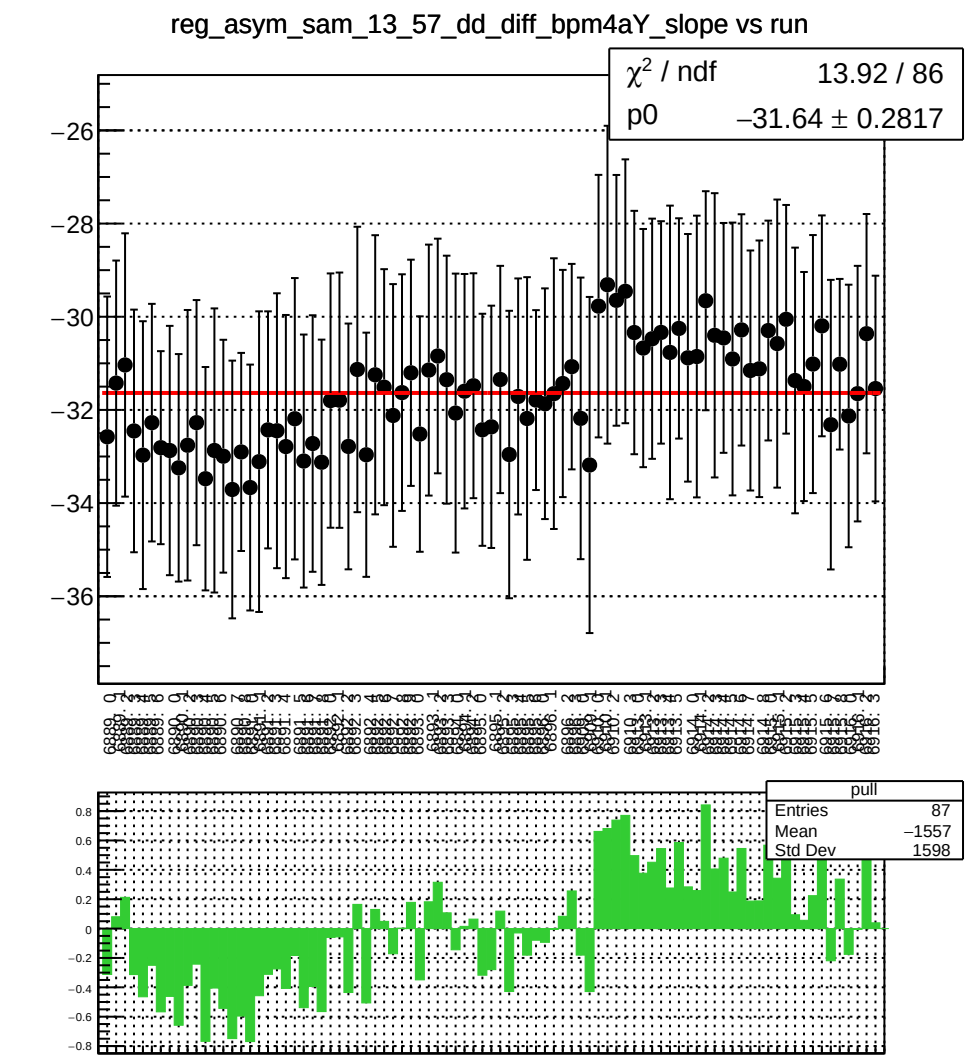

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.18 / 86
p0 −55.14 ± 1.055
−30
−40
−50
−60
−70
pull
Entries 87
Mean 264.2
Std Dev 212.9
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.0607
Std Dev 0.7181
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

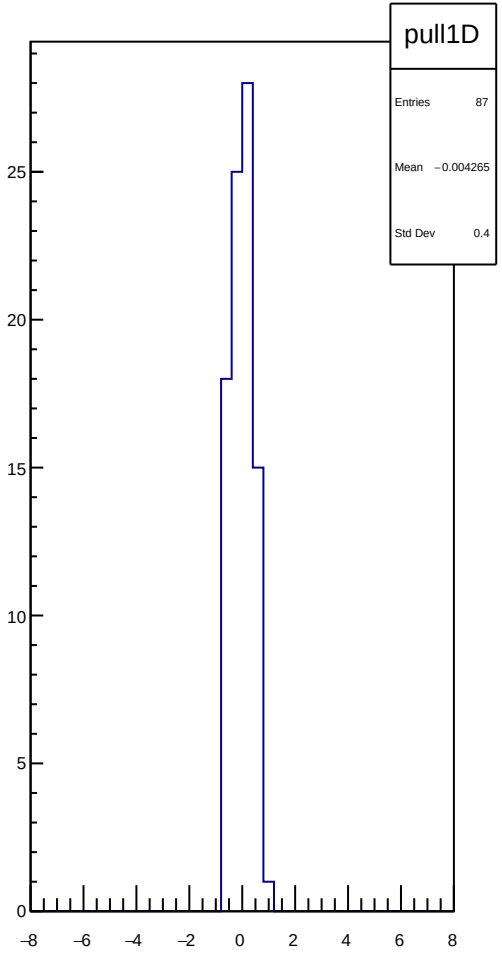

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.99 / 86
p0 80.83 ± 0.9771
pull
Entries 87
Mean 677.4
Std Dev 617.6
pull1D
Entries 87
Mean −0.007701
Std Dev 0.4671

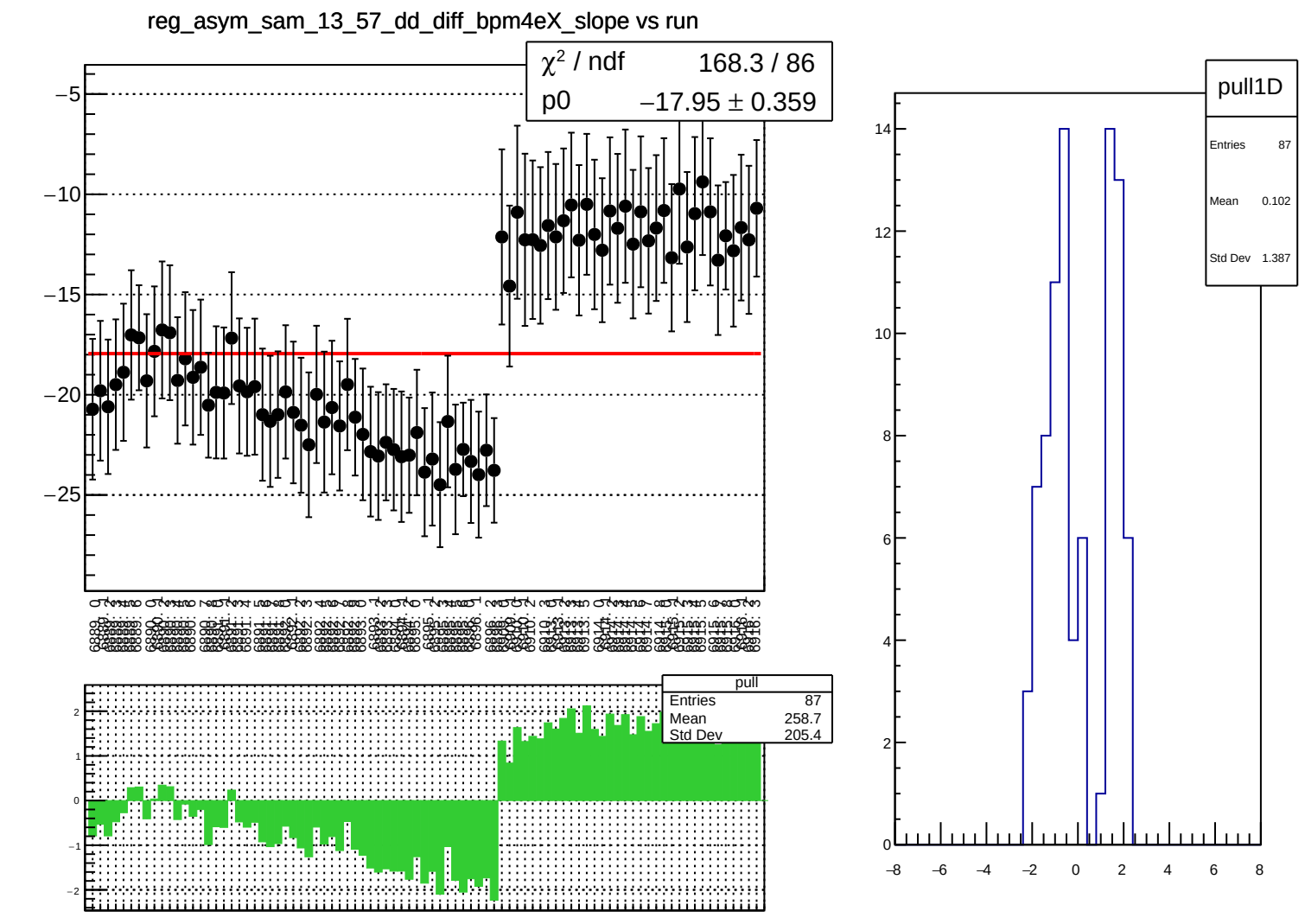

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.388 / 86
p0 −0.7971± 0.04289
pull
Entries 87
Mean −166.1
Std Dev 152.5
pull1D
Entries 87
Mean −0.00135
Std Dev 0.2914

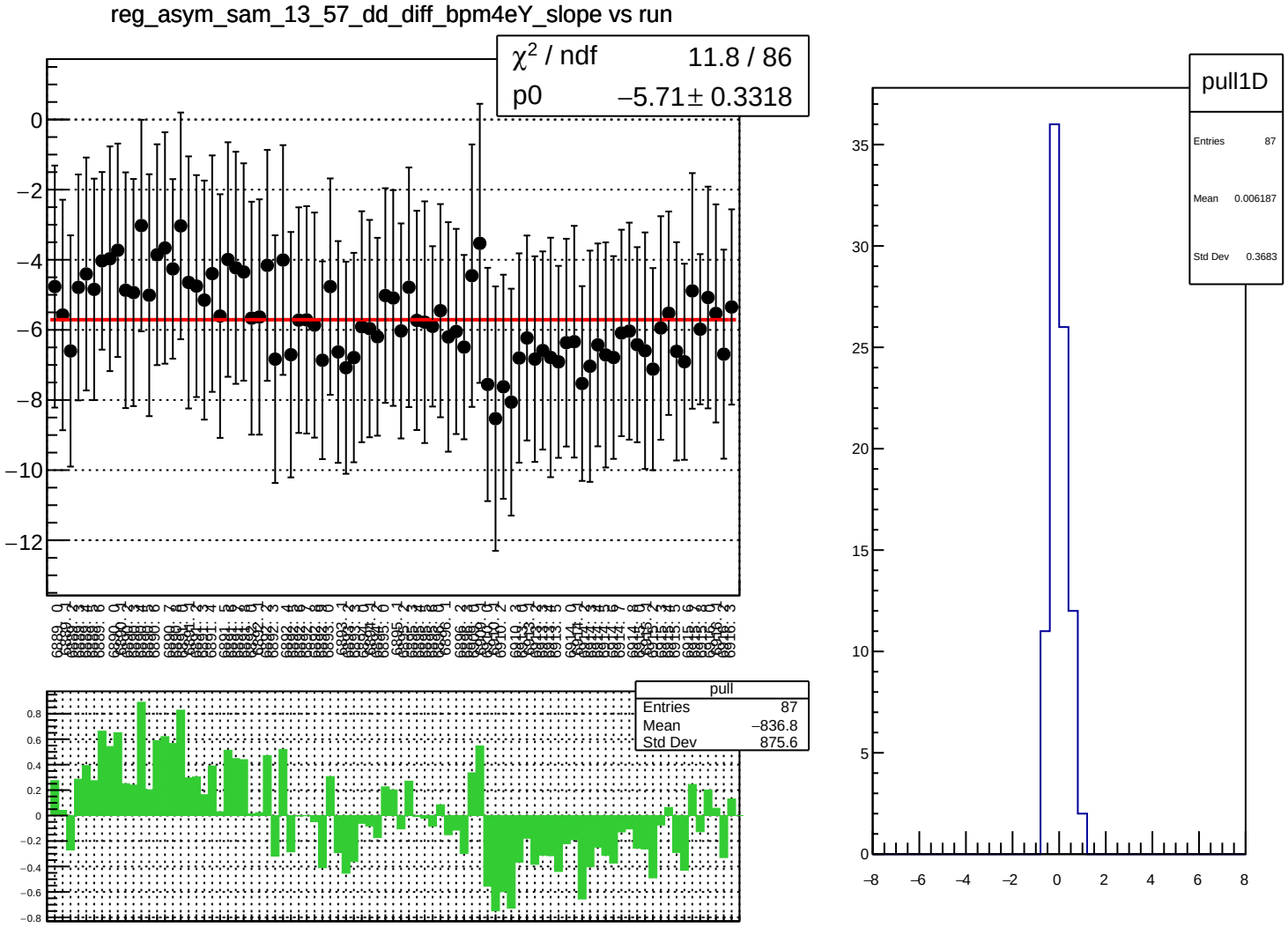

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 158.6 / 86
p0 −5.565 ± 0.3755
pull
Entries 87
Mean 218.8
Std Dev 165.6

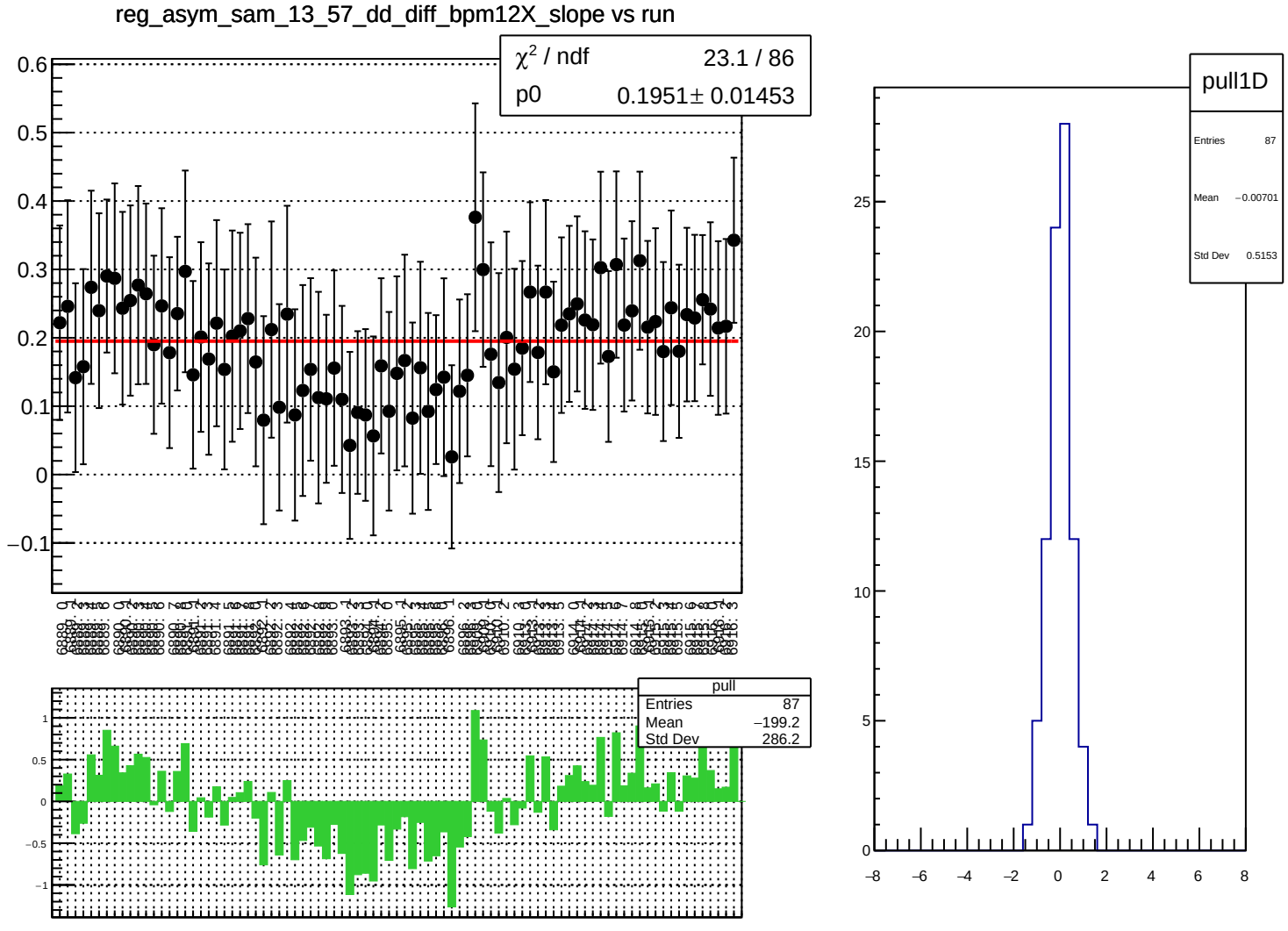

pull1D
Entries 87
Mean −0.1238
Std Dev 1.345

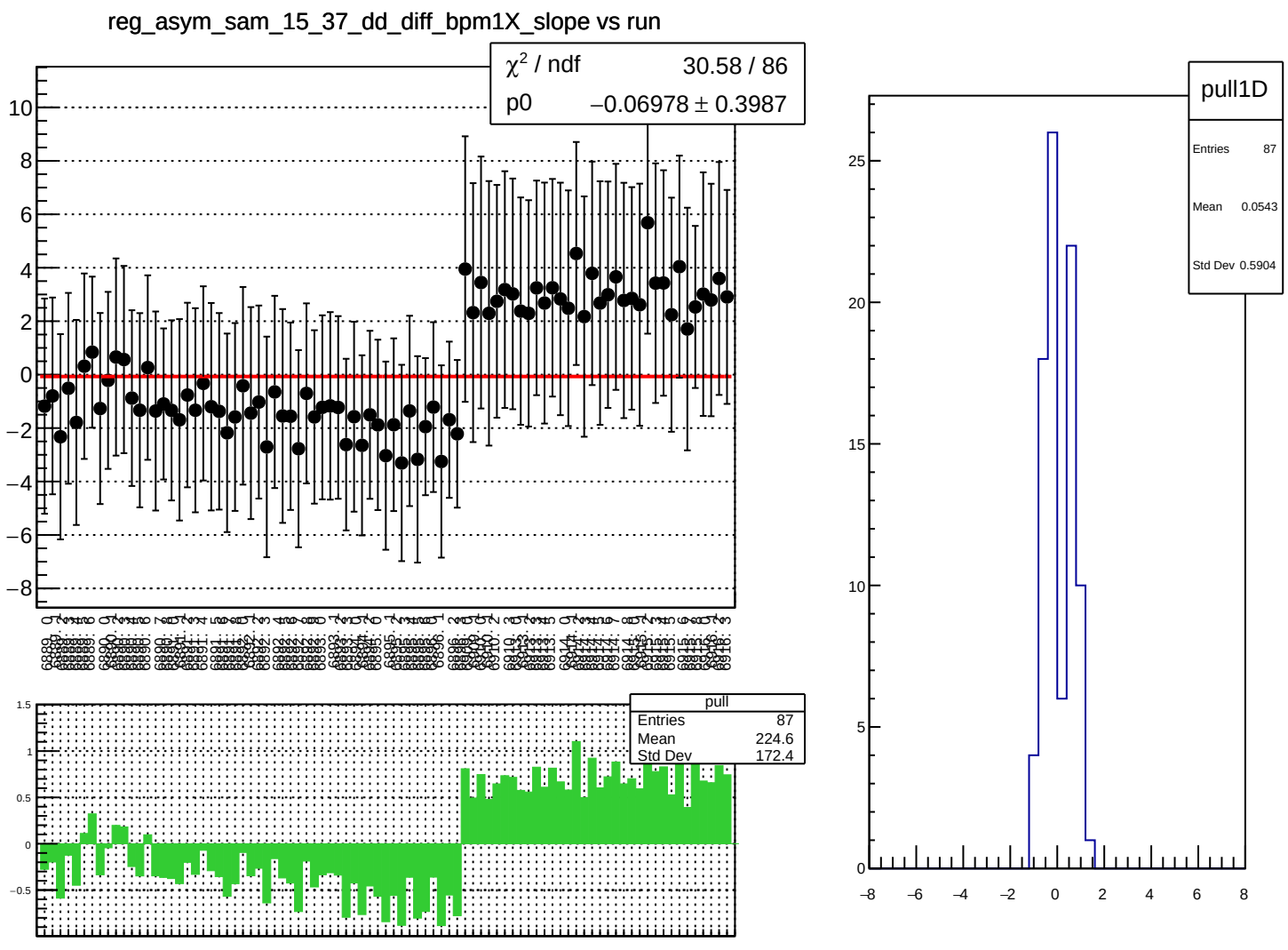

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.92 / 86
p0 −31.64 ± 0.2817
pull
Entries 87
Mean −1557
Std Dev 1598

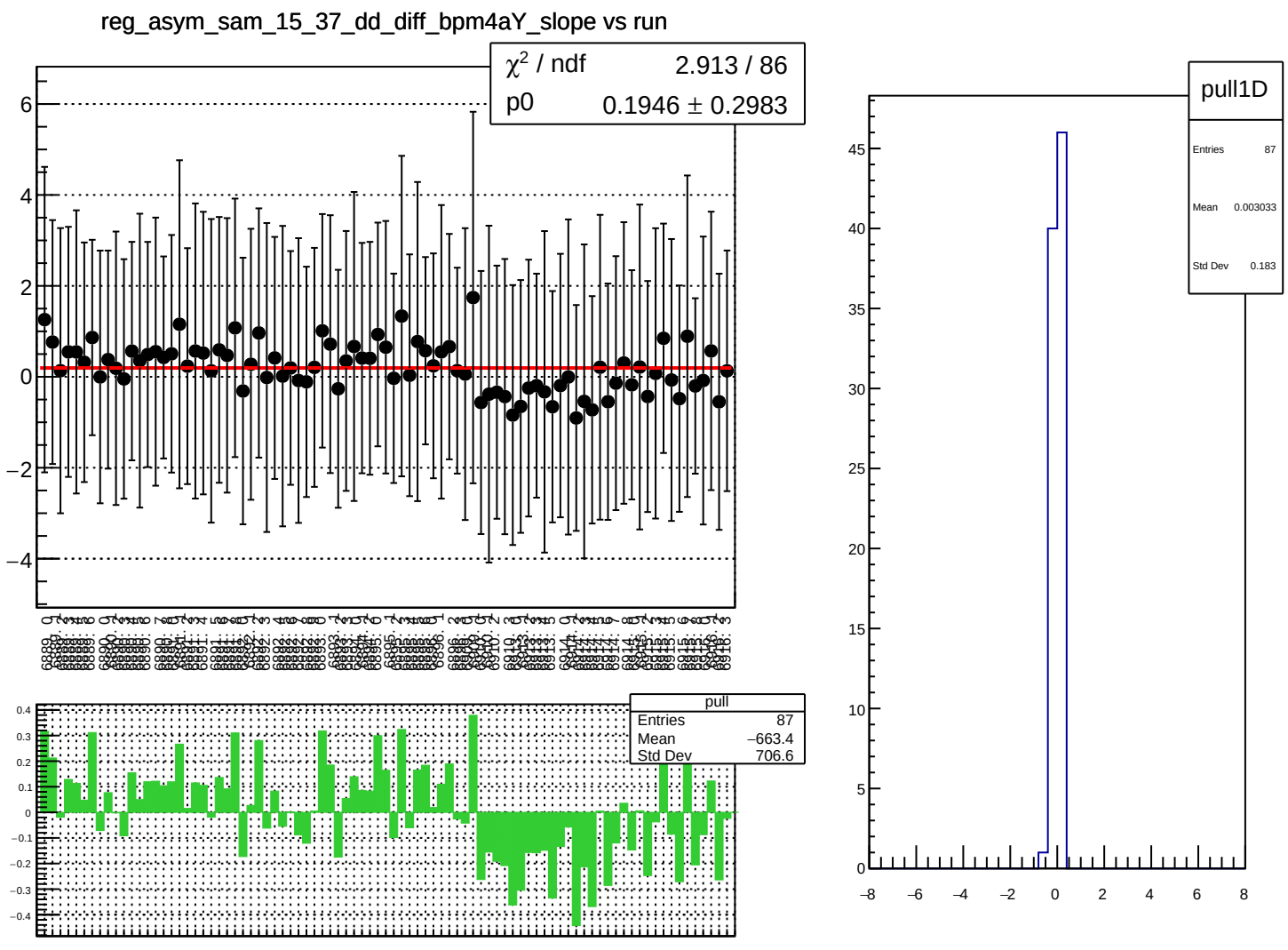

pull1D
Entries 87
Mean −0.004265
Std Dev 0.4

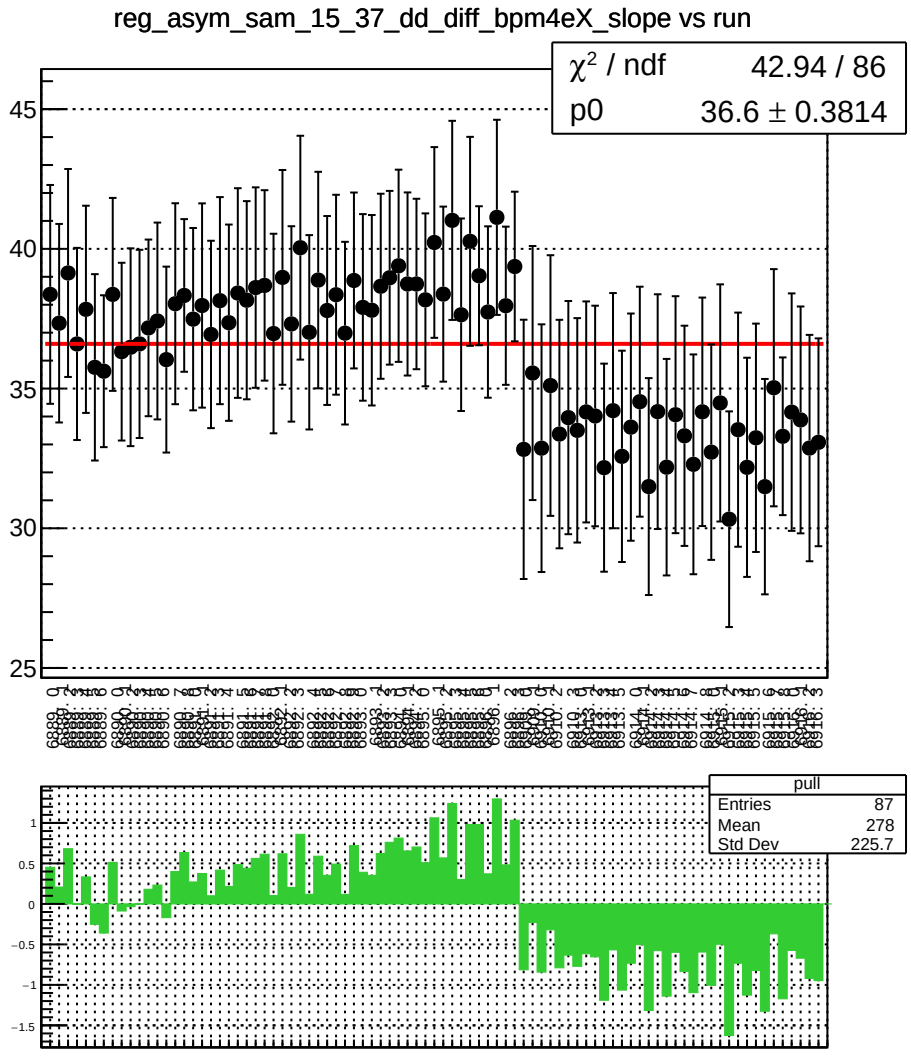

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 168.3 / 86
p0 −17.95 ± 0.359
pull
Entries 87
Mean 258.7
Std Dev 205.4
pull1D
Entries 87
Mean 0.102
Std Dev 1.387

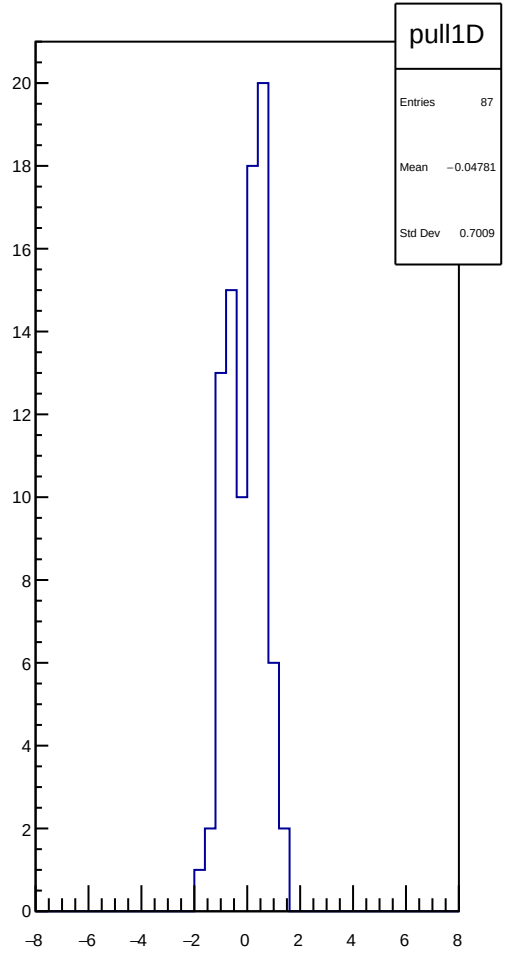

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.8 / 86
p0 −5.71 ± 0.3318
pull
Entries 87
Mean −836.8
Std Dev 875.6
pull1D
Entries 87
Mean 0.006187
Std Dev 0.3683

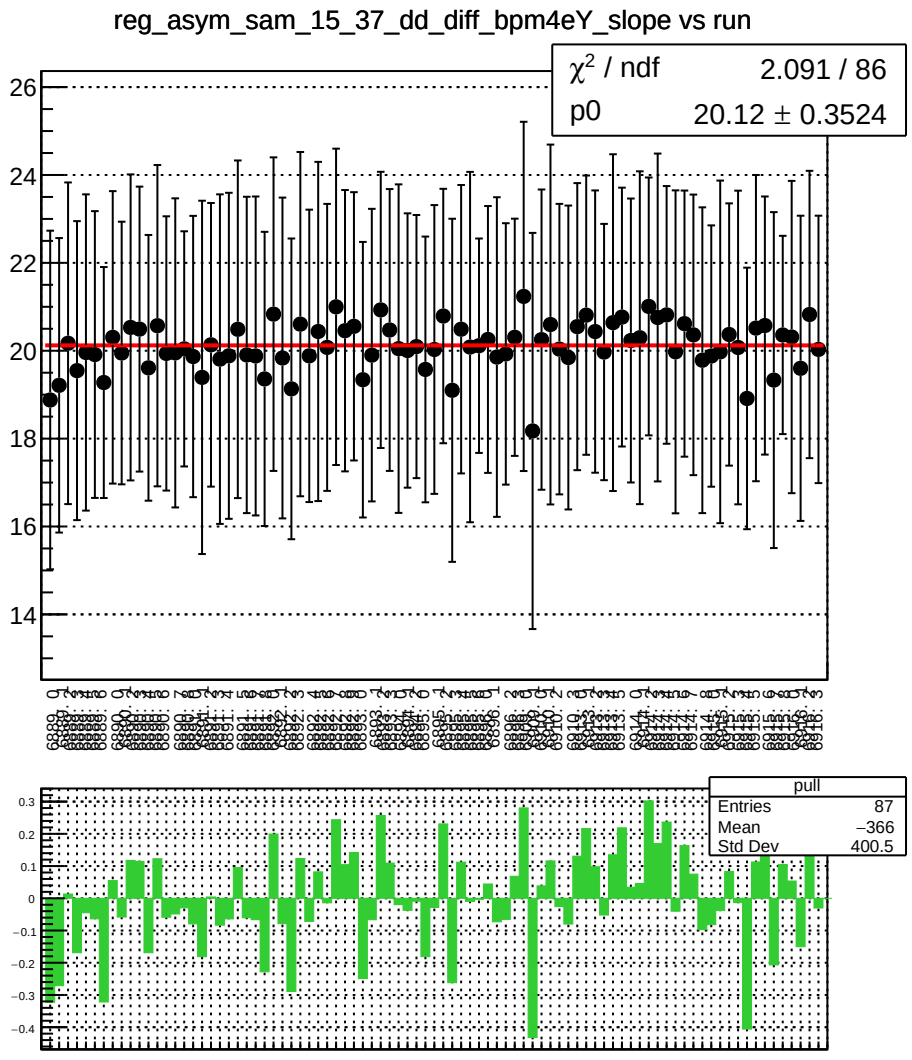

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 23.1 / 86
p0 0.1951± 0.01453
pull
Entries 87
Mean −199.2
Std Dev 286.2
pull1D
Entries 87
Mean −0.00701
Std Dev 0.5153

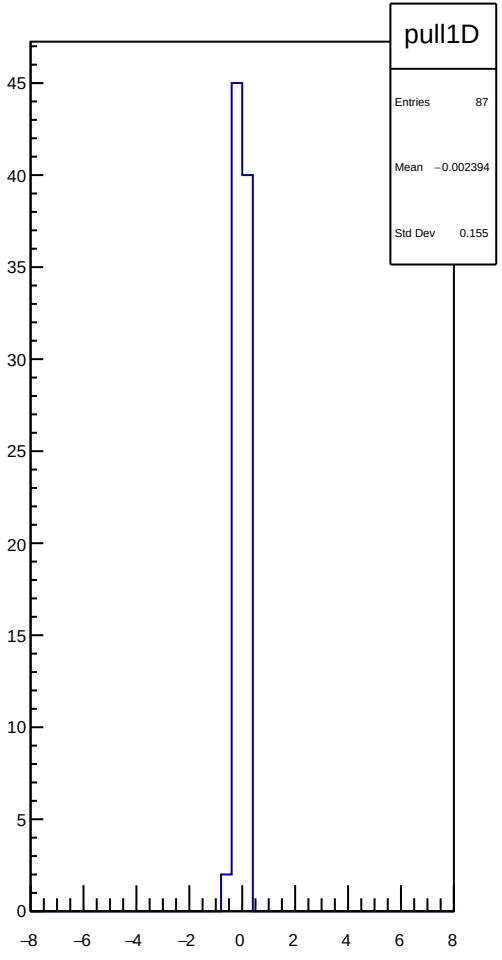

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 30.58 / 86
p0 −0.06978 ± 0.3987
pull
Entries 87
Mean 224.6
Std Dev 172.4
pull1D
Entries 87
Mean 0.0543
Std Dev 0.5904

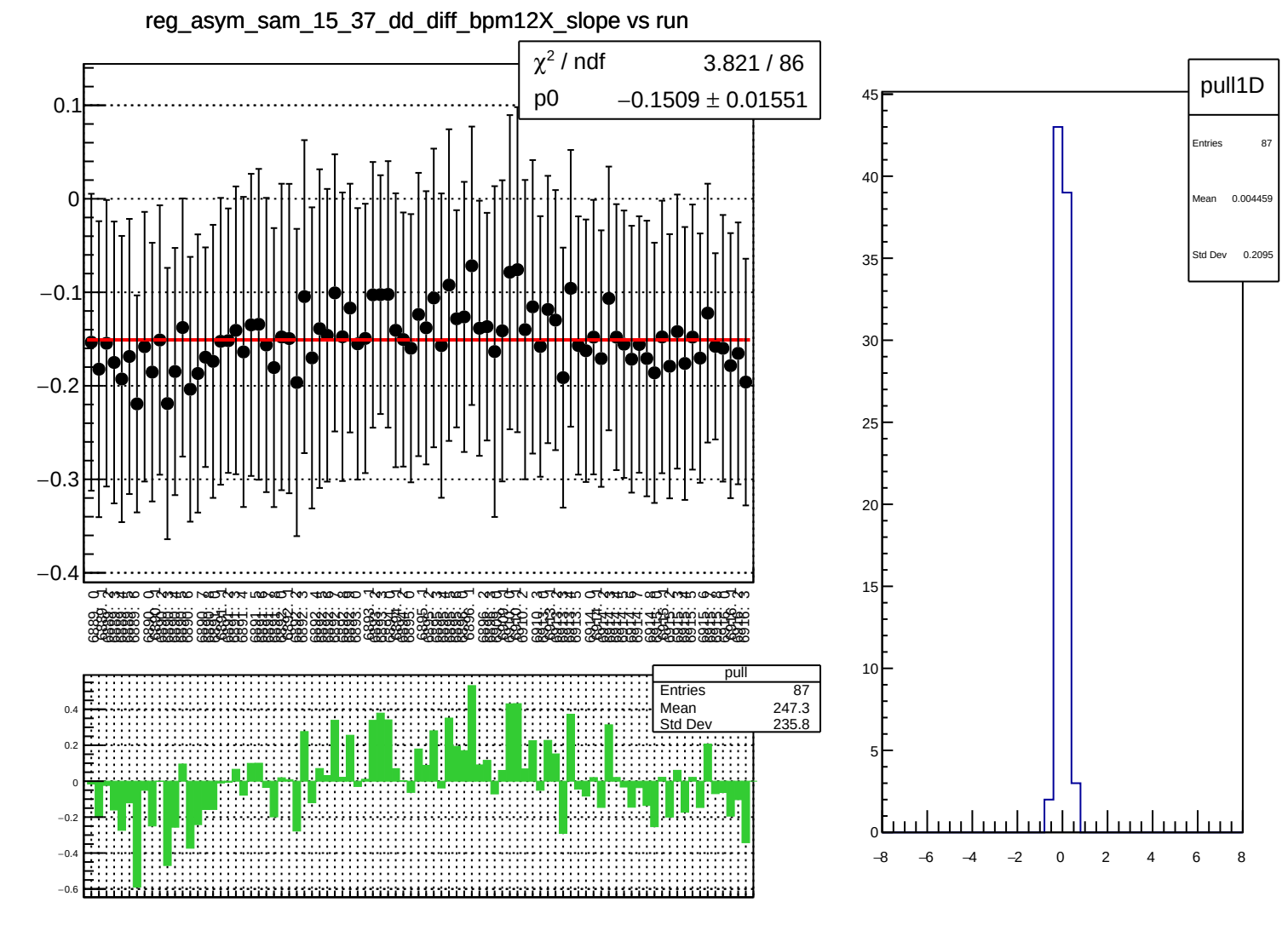

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.913 / 86
p0 0.1946 ± 0.2983
pull
Entries 87
Mean −663.4
Std Dev 706.6
pull1D
Entries 87
Mean 0.003033
Std Dev 0.183

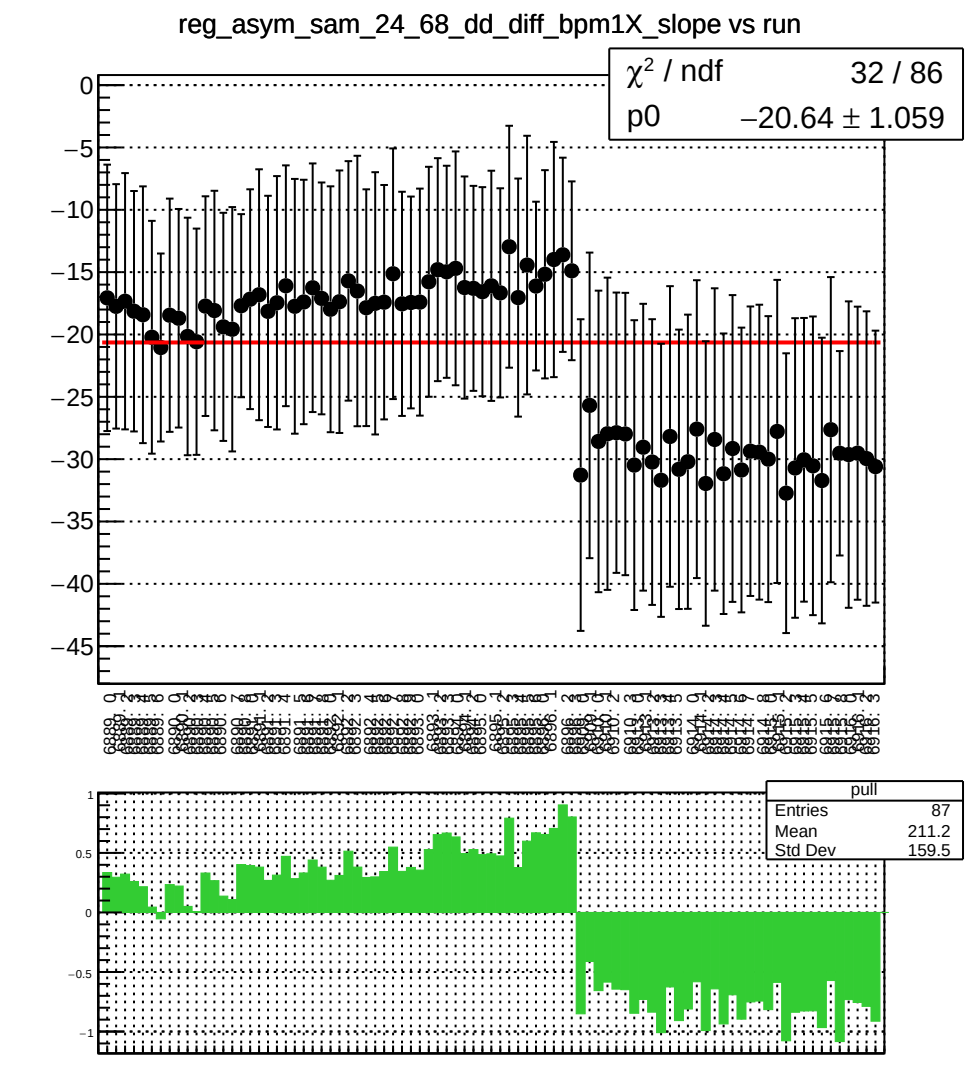

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.94 / 86
p0 36.6 ± 0.3814
45
40
35
30
25
pull
Entries 87
Mean 278
Std Dev 225.7
1
0.5
0
−0.5
−1
−1.5

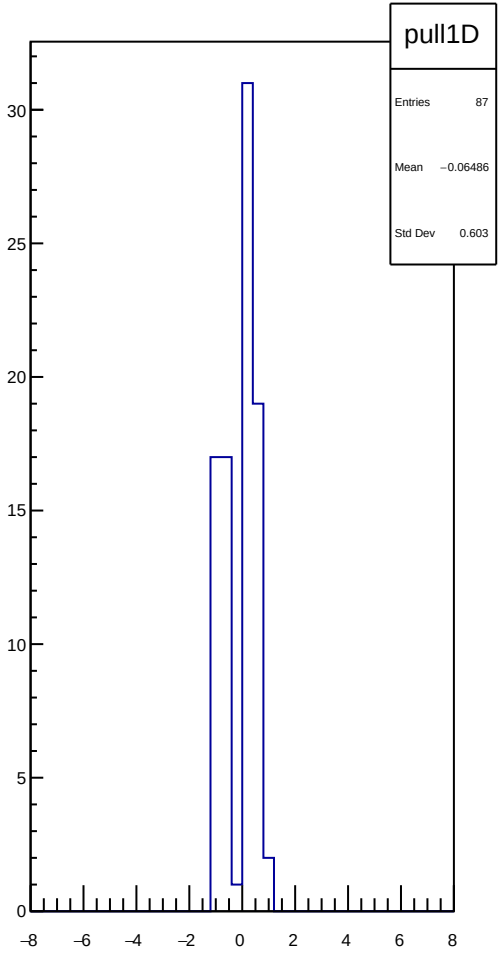

pull1D
Entries 87
Mean −0.04781
Std Dev 0.7009
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

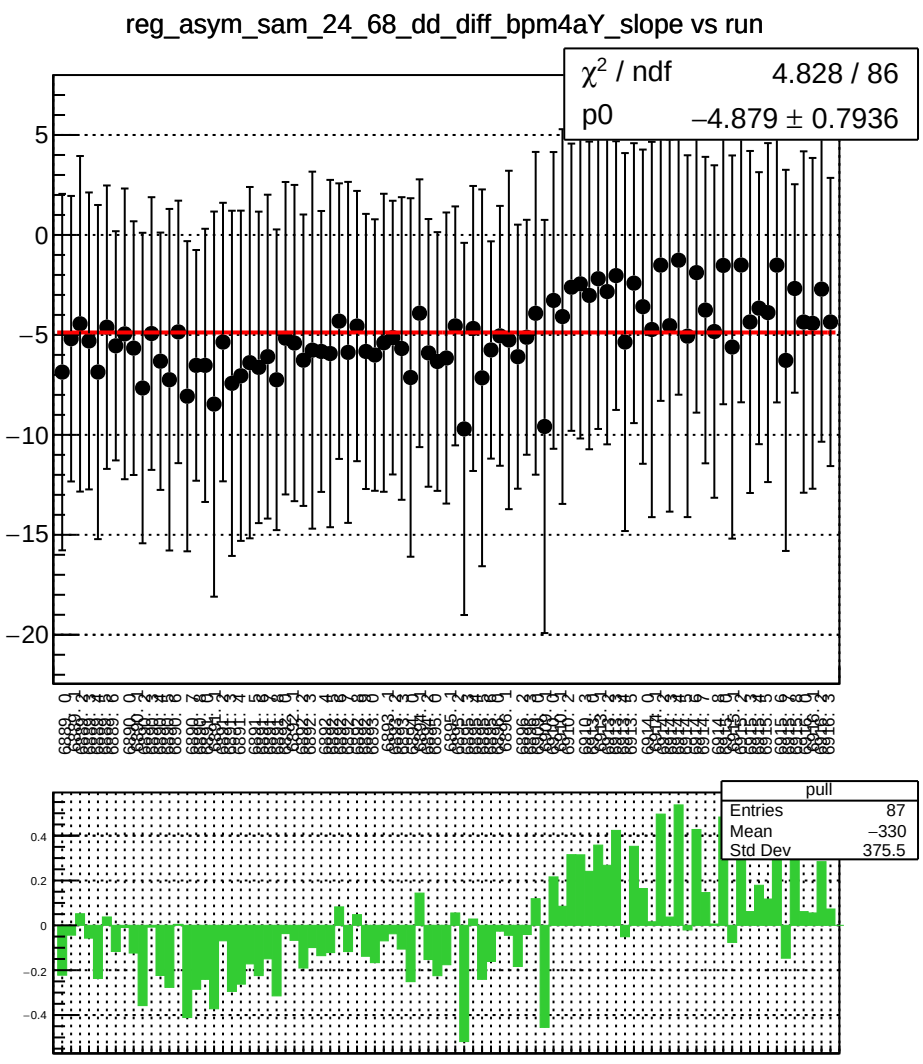

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.091 / 86
p0 20.12 ± 0.3524
pull
Entries 87
Mean −366
Std Dev 400.5

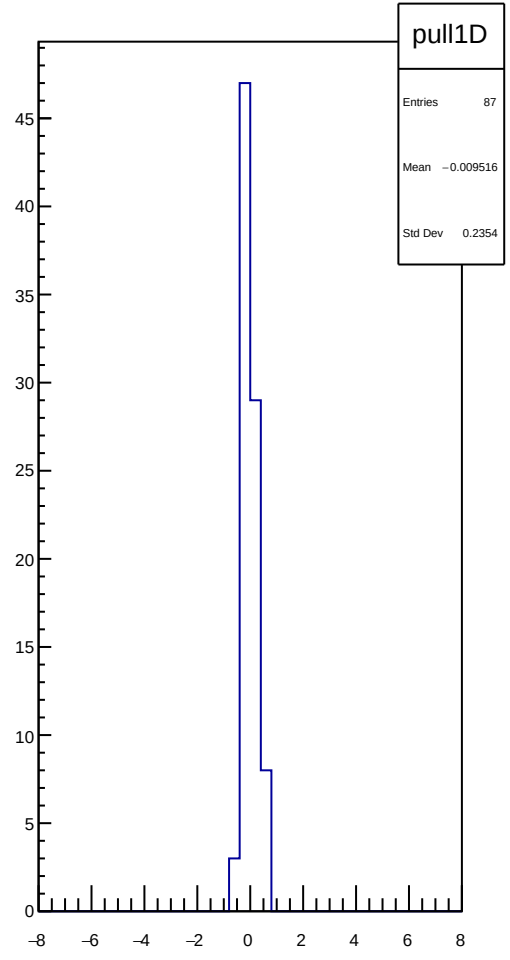

pull1D
Entries 87
Mean −0.002394
Std Dev 0.155

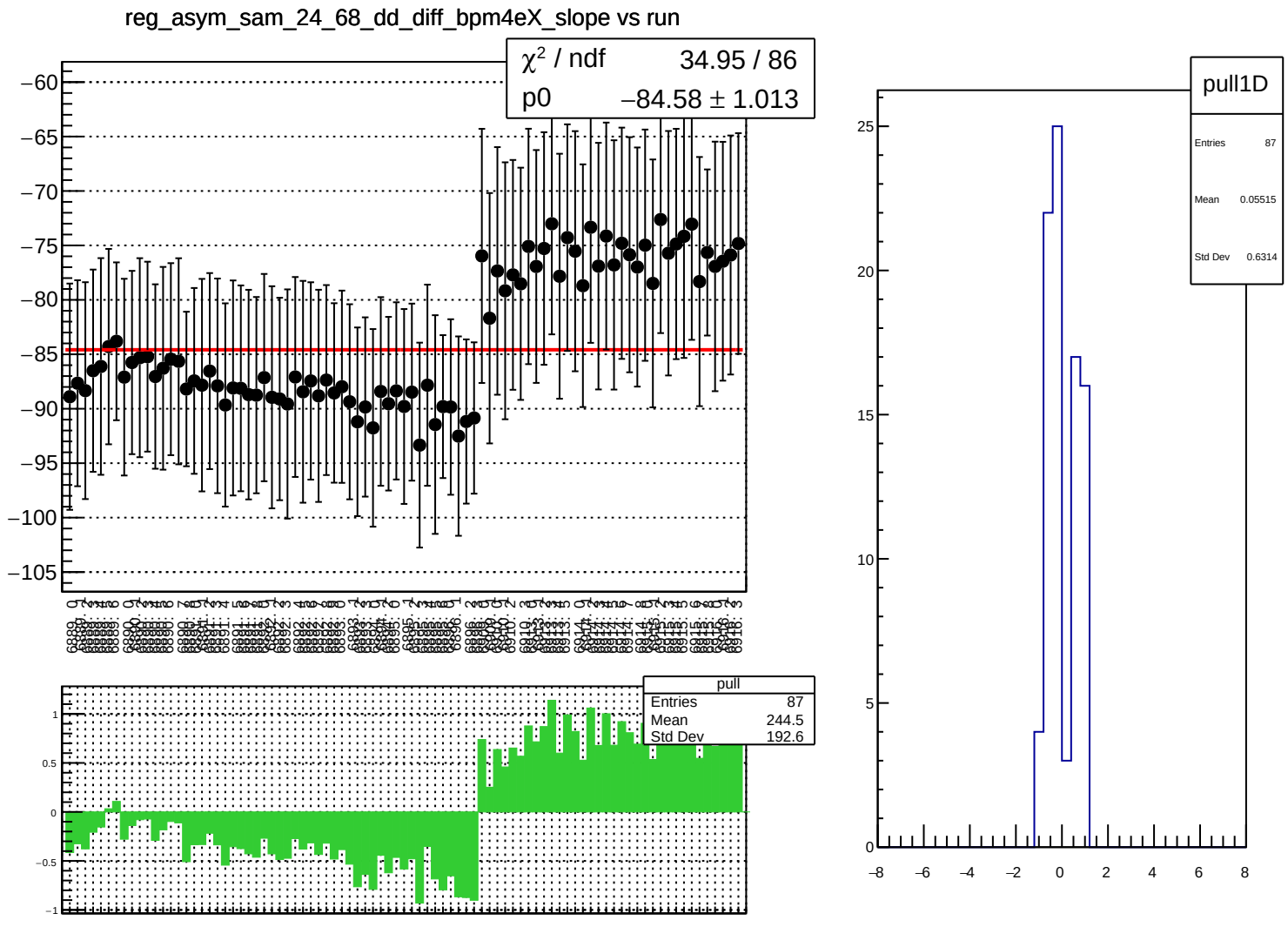

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.821 / 86
p0 −0.1509 ± 0.01551
pull
Entries 87
Mean 247.3
Std Dev 235.8
pull1D
Entries 87
Mean 0.004459
Std Dev 0.2095

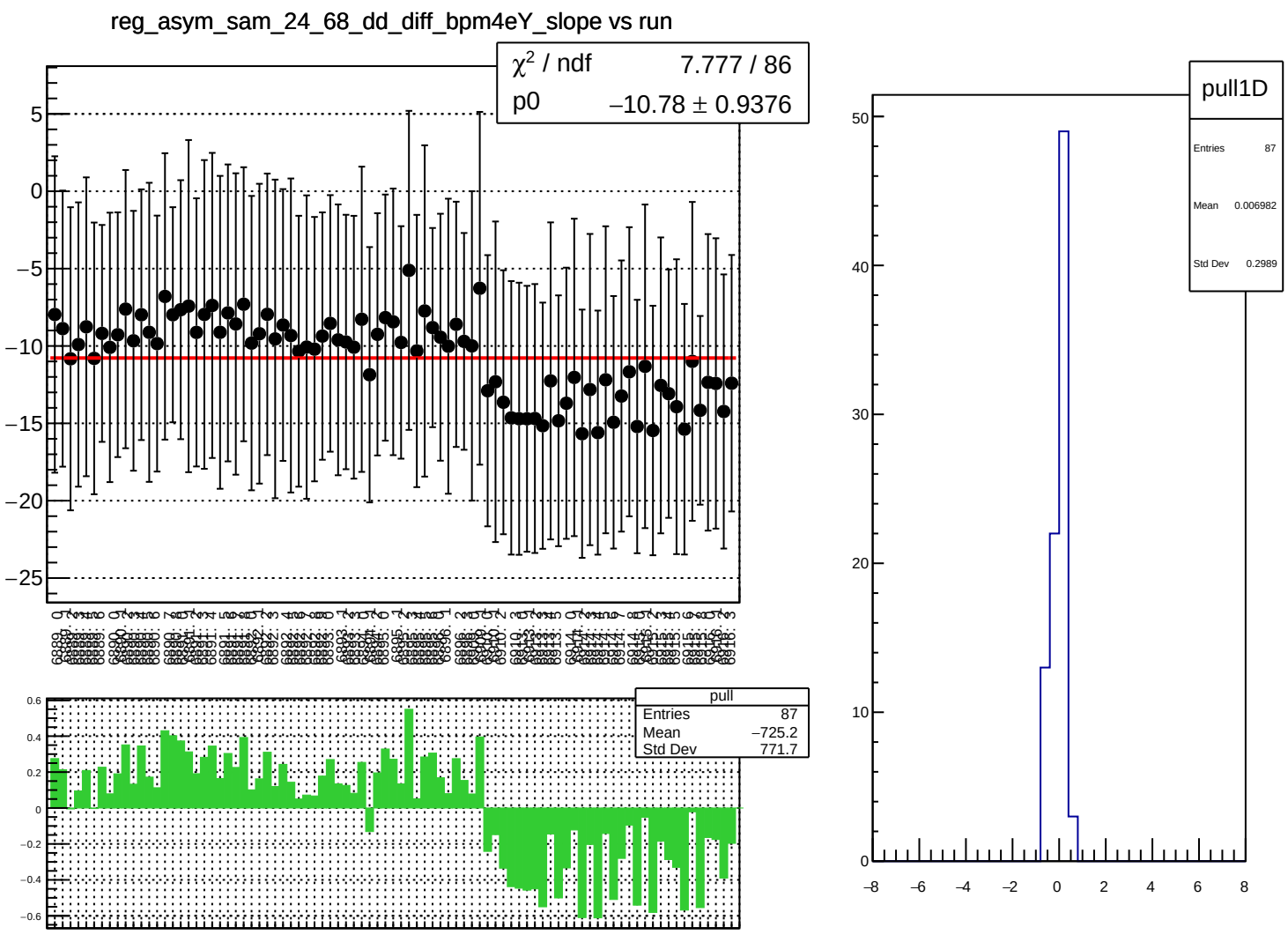

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 32 / 86
p0 −20.64 ± 1.059
pull
Entries 87
Mean 211.2
Std Dev 159.5

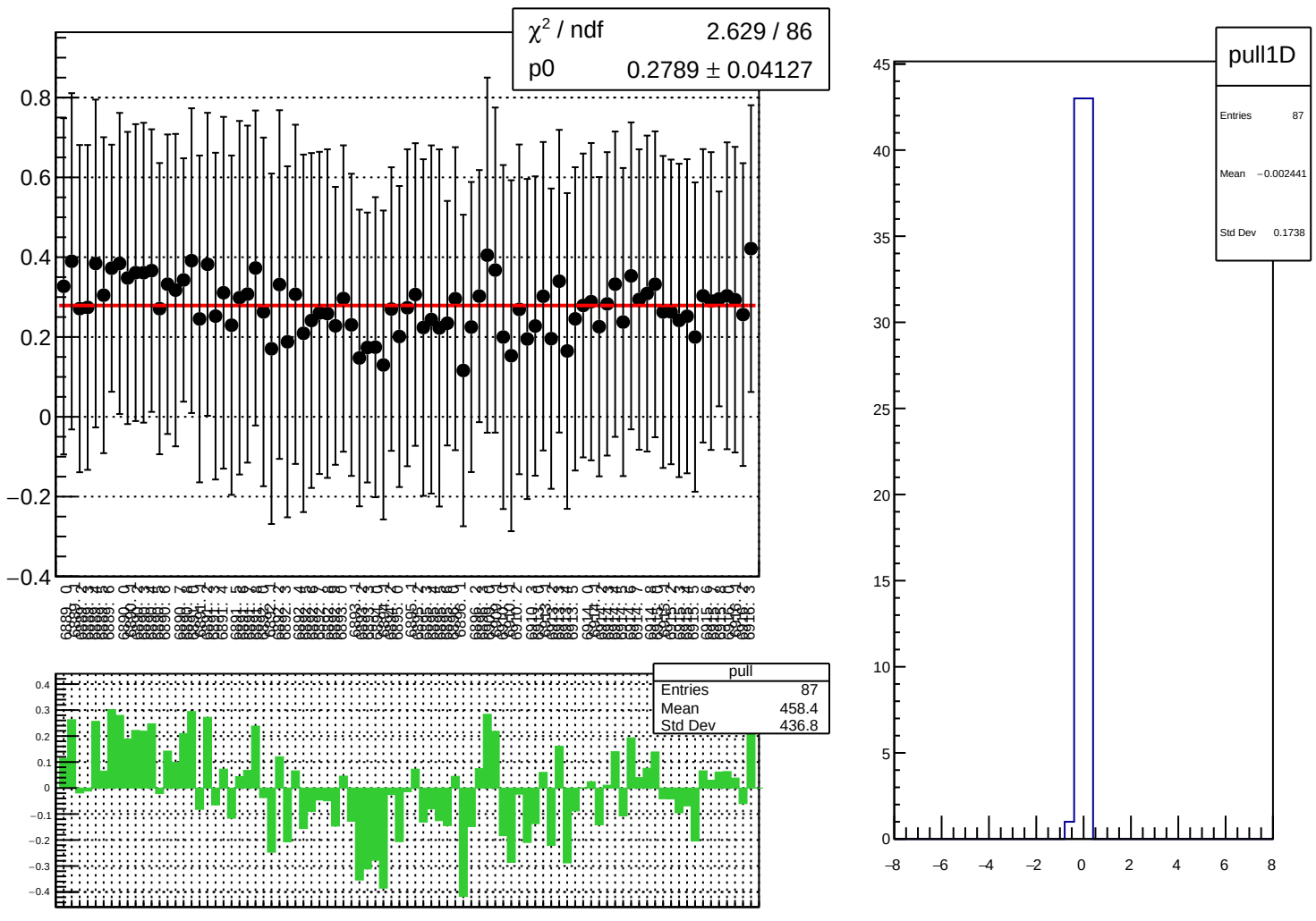

pull1D
Entries 87
Mean −0.06486
Std Dev 0.603

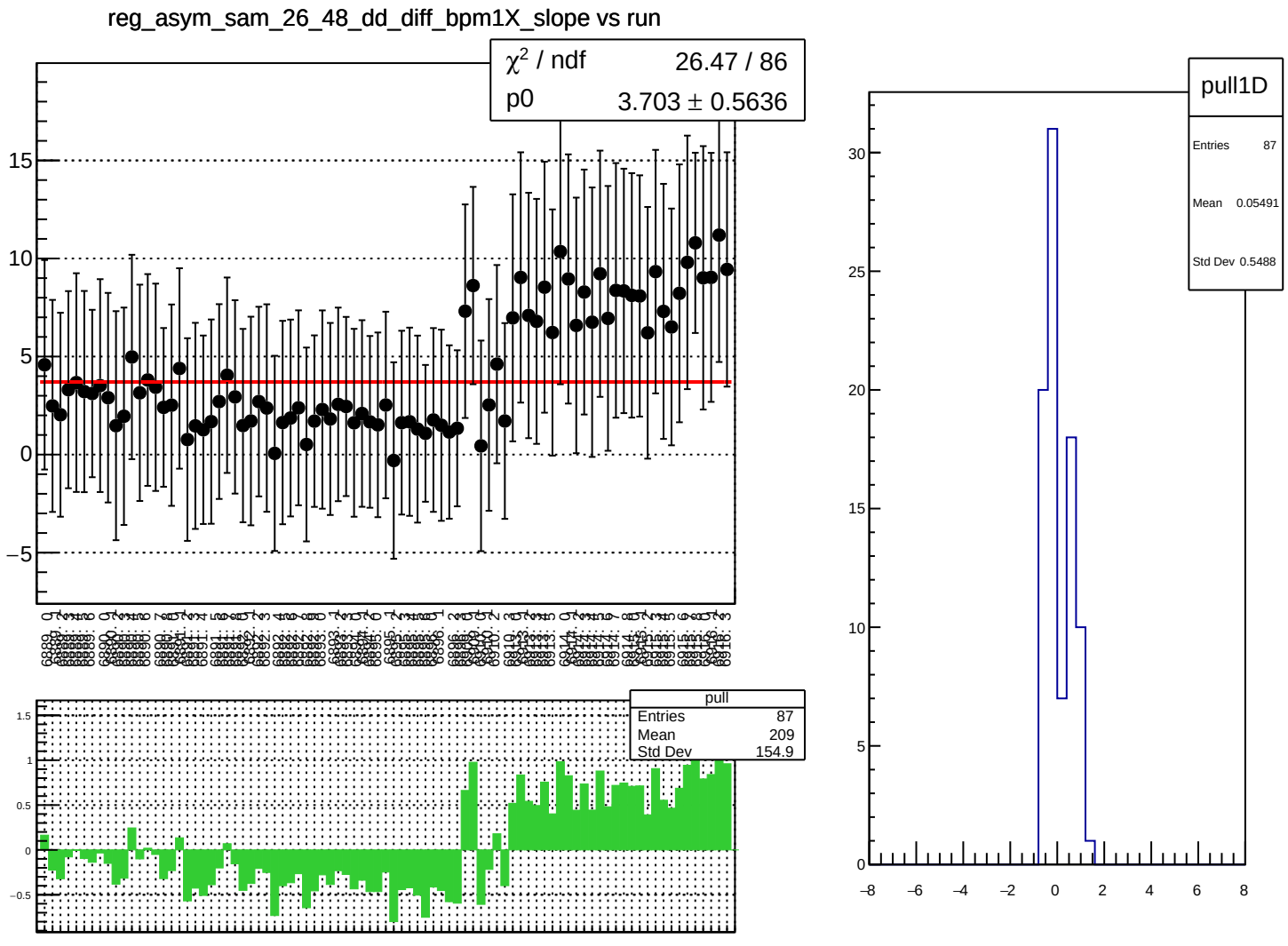

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.828 / 86
p0 −4.879 ± 0.7936
pull
Entries 87
Mean −330
Std Dev 375.5

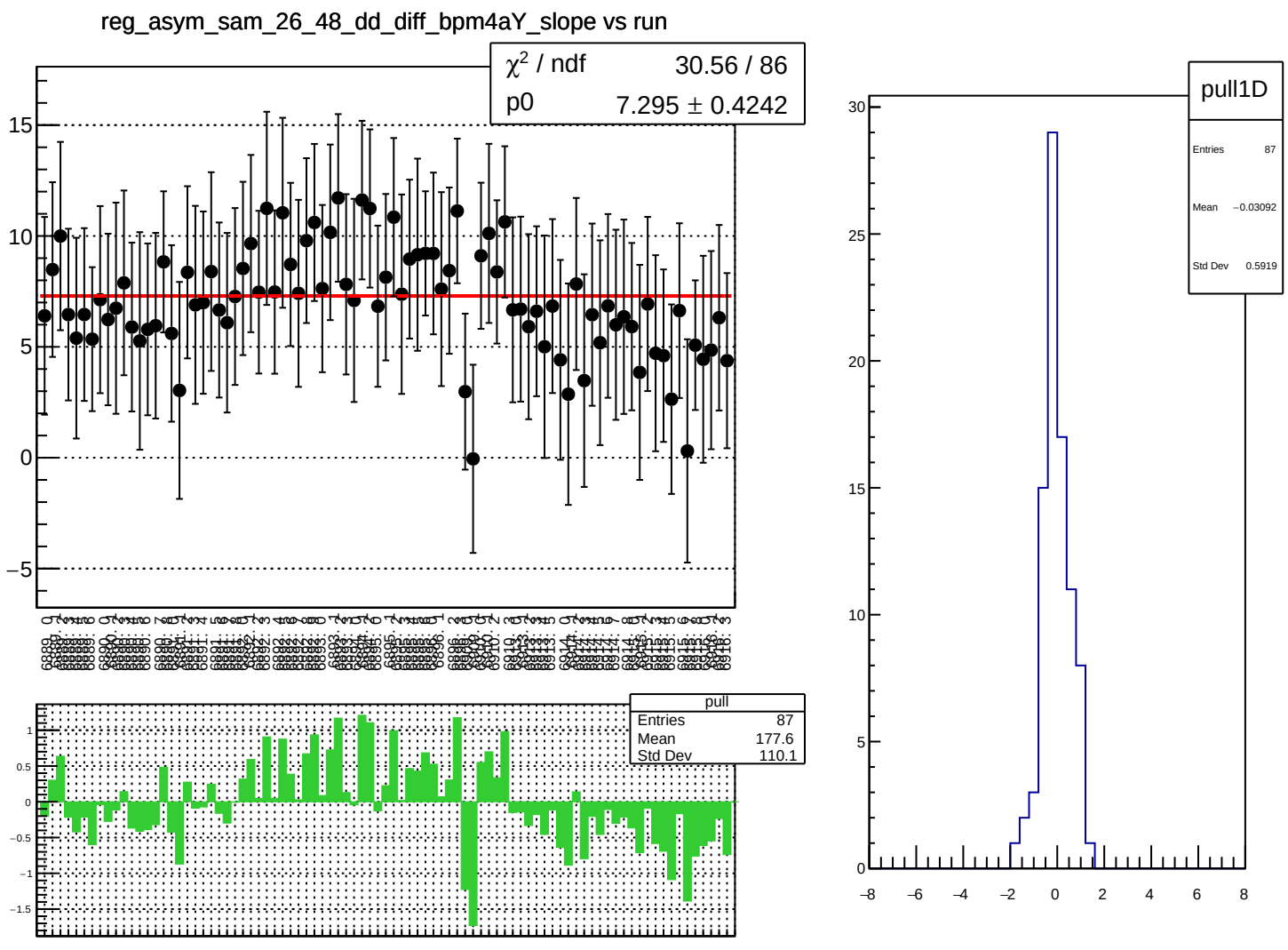

pull1D
Entries 87
Mean −0.009516
Std Dev 0.2354

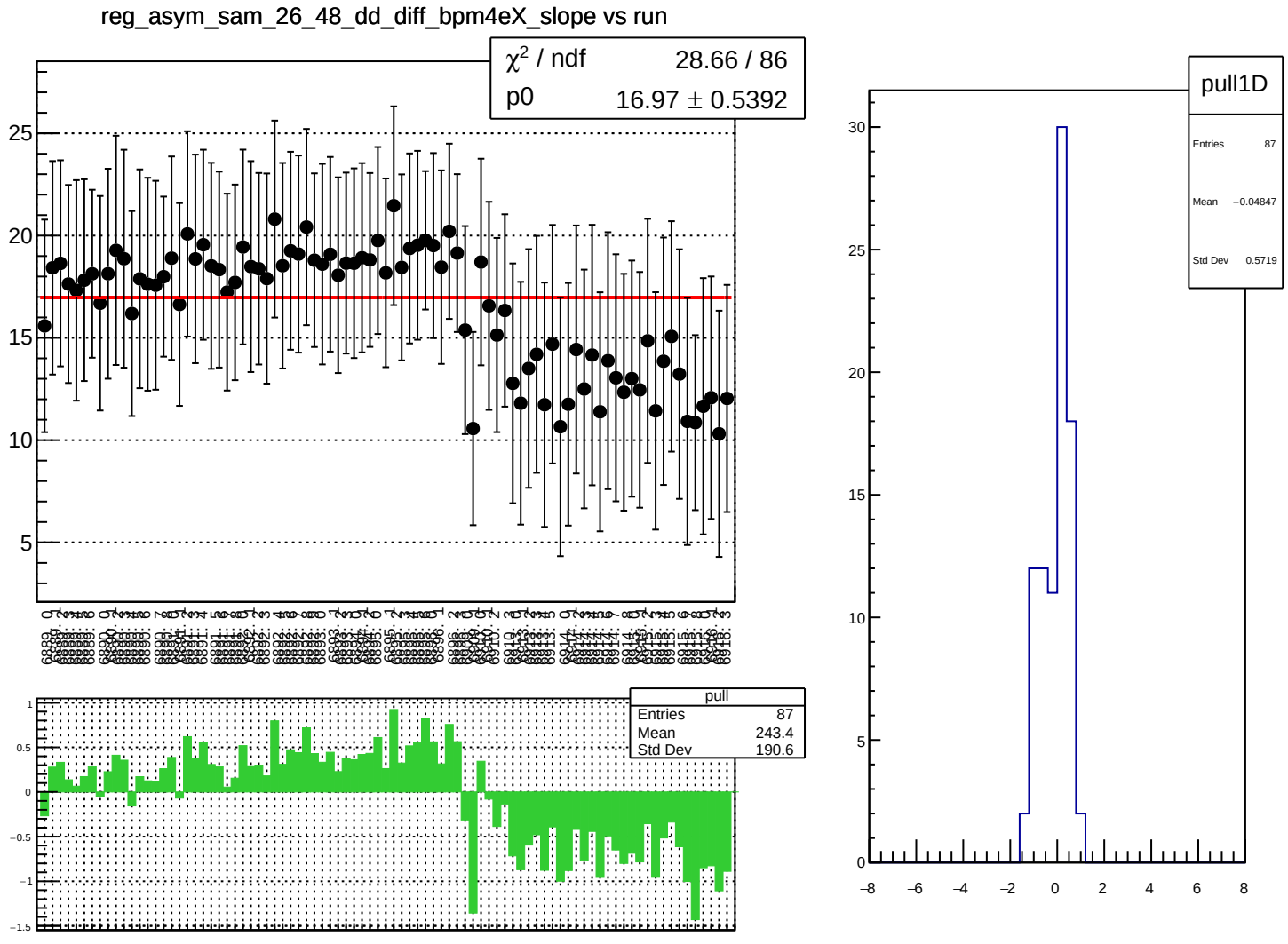

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.95 / 86
p0 −84.58 ± 1.013
pull
Entries 87
Mean 244.5
Std Dev 192.6
pull1D
Entries 87
Mean 0.05515
Std Dev 0.6314

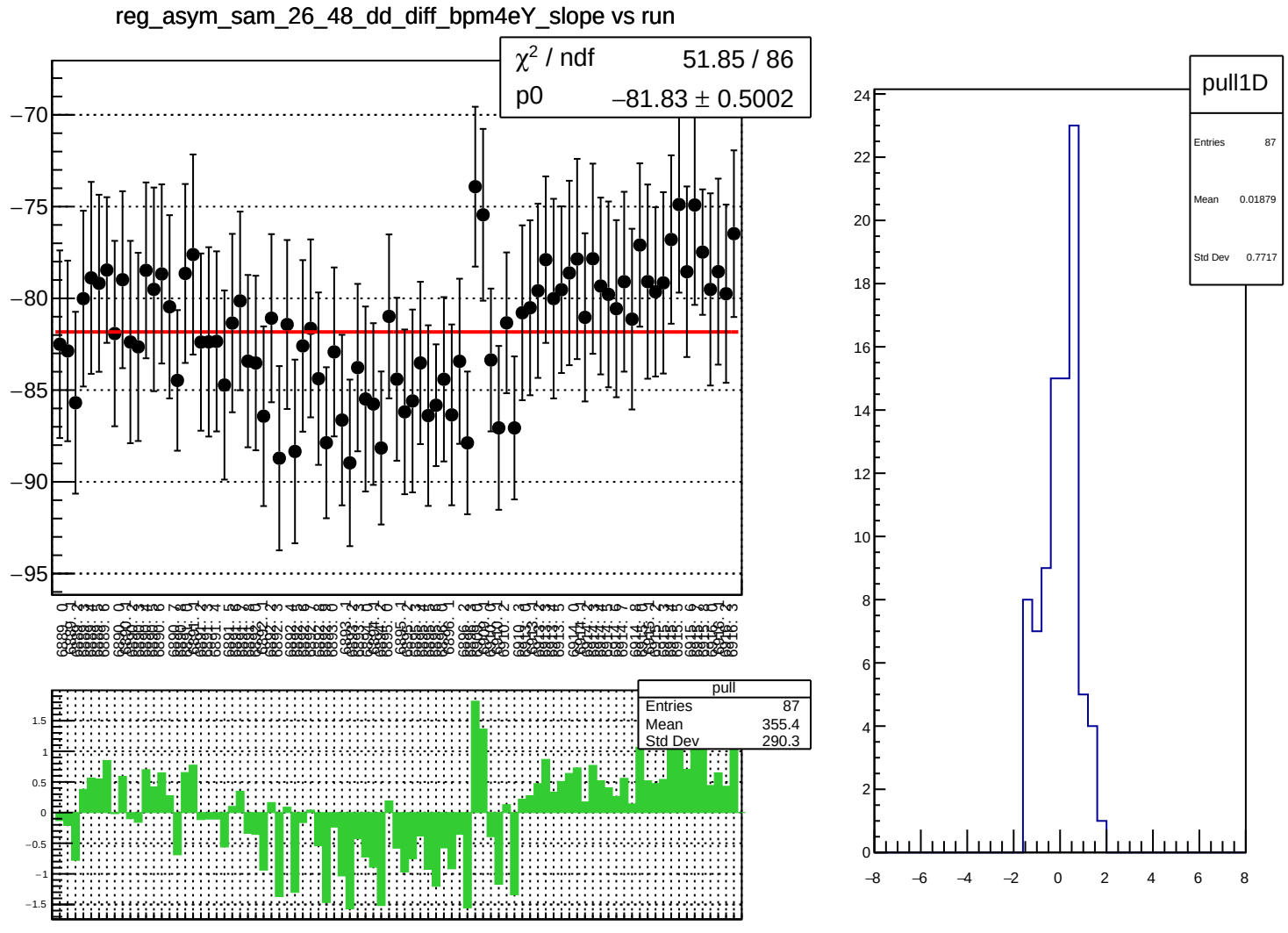

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.777 / 86
p0 −10.78 ± 0.9376
pull
Entries 87
Mean −725.2
Std Dev 771.7
pull1D
Entries 87
Mean 0.006982
Std Dev 0.2989

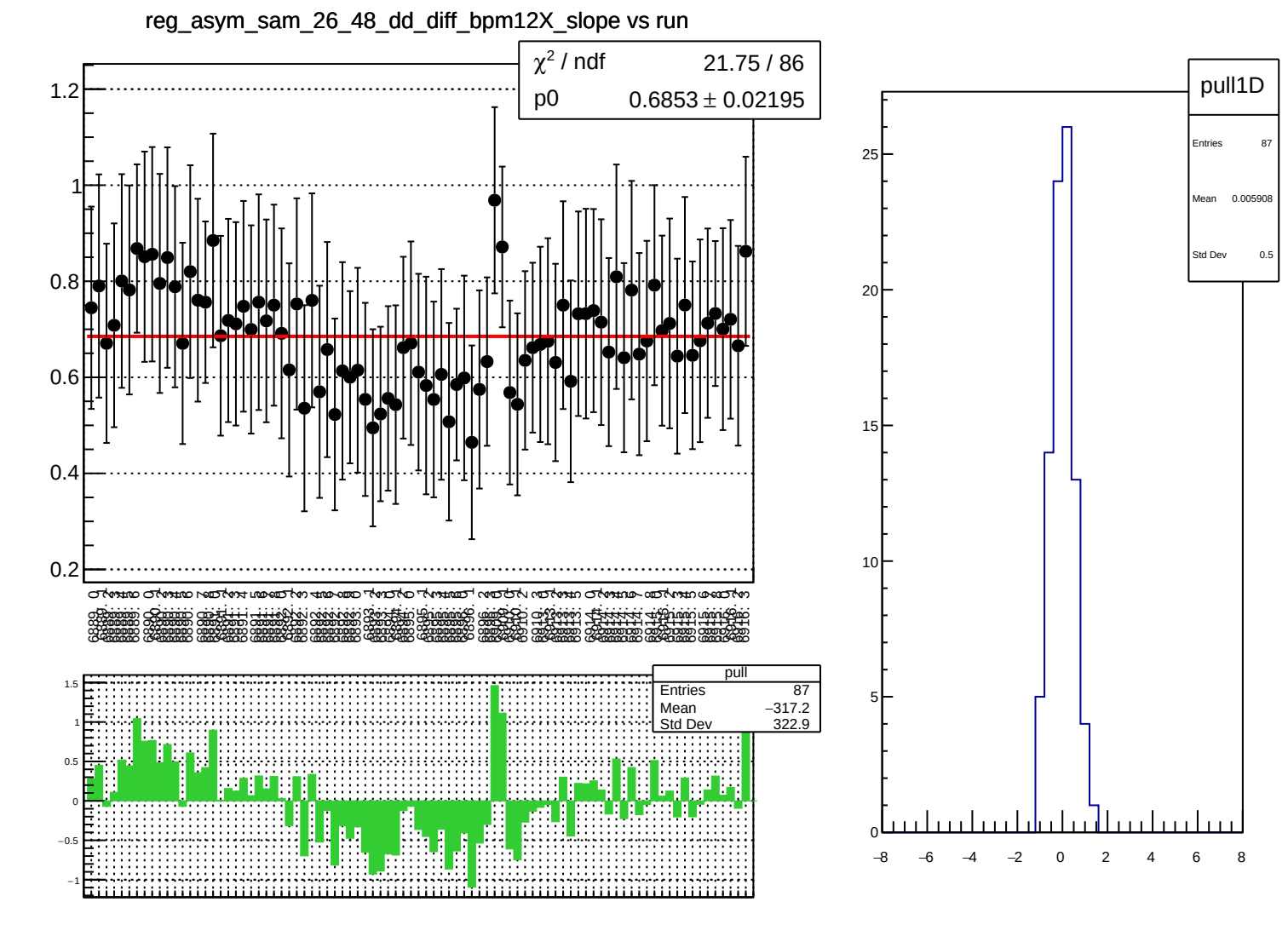

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.629 / 86
p0 0.2789 ± 0.04127
pull
Entries 87
Mean 458.4
Std Dev 436.8
pull1D
Entries 87
Mean −0.002441
Std Dev 0.1738

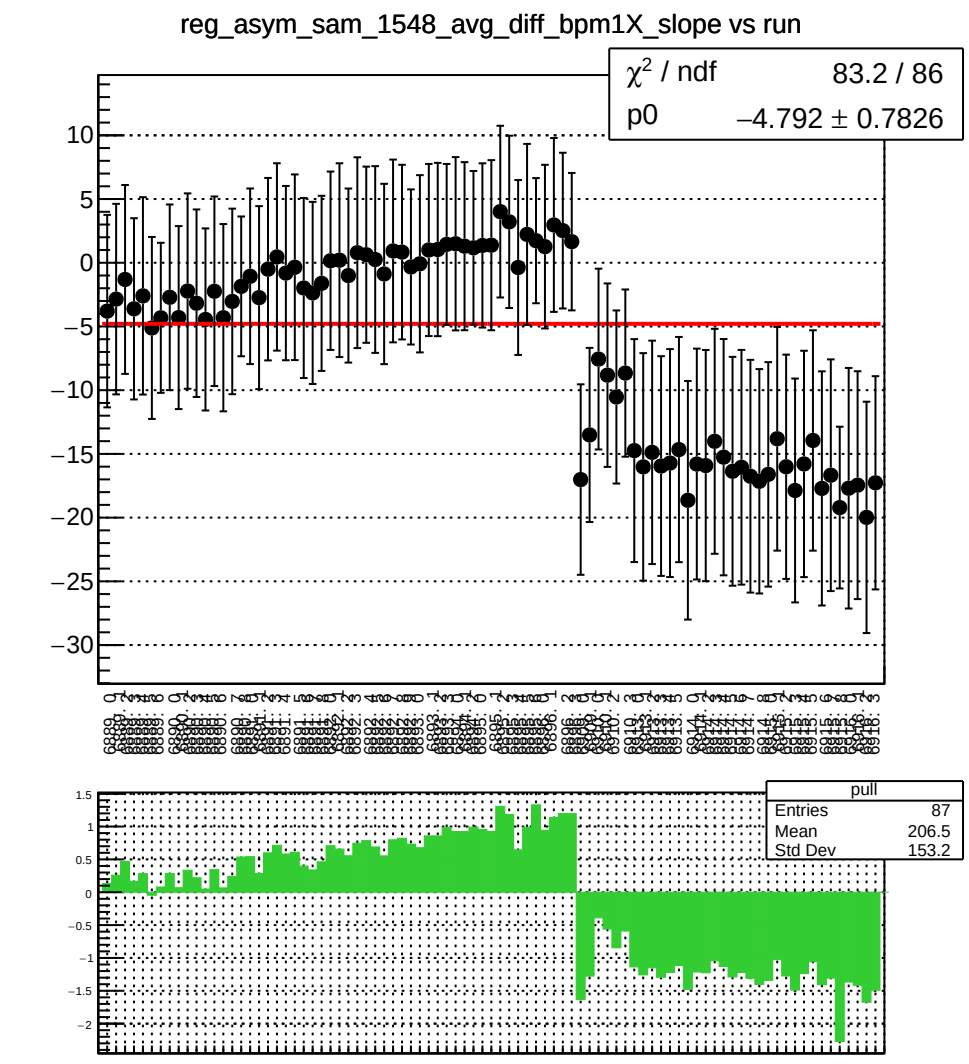

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 26.47 / 86
p0 3.703 ± 0.5636
pull
Entries 87
Mean 209
Std Dev 154.9
pull1D
Entries 87
Mean 0.05491
Std Dev 0.5488

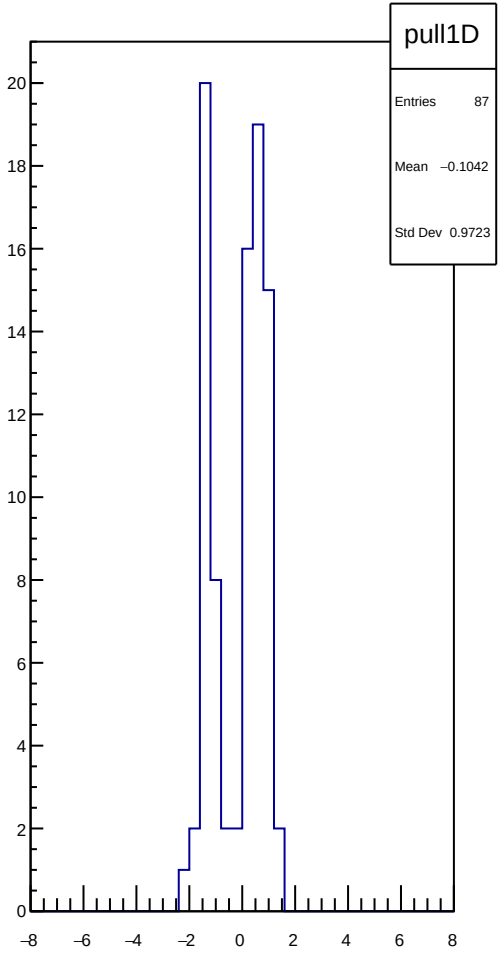

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.56 / 86
p0 7.295 ± 0.4242
pull
Entries 87
Mean 177.6
Std Dev 110.1
pull1D
Entries 87
Mean −0.03092
Std Dev 0.5919

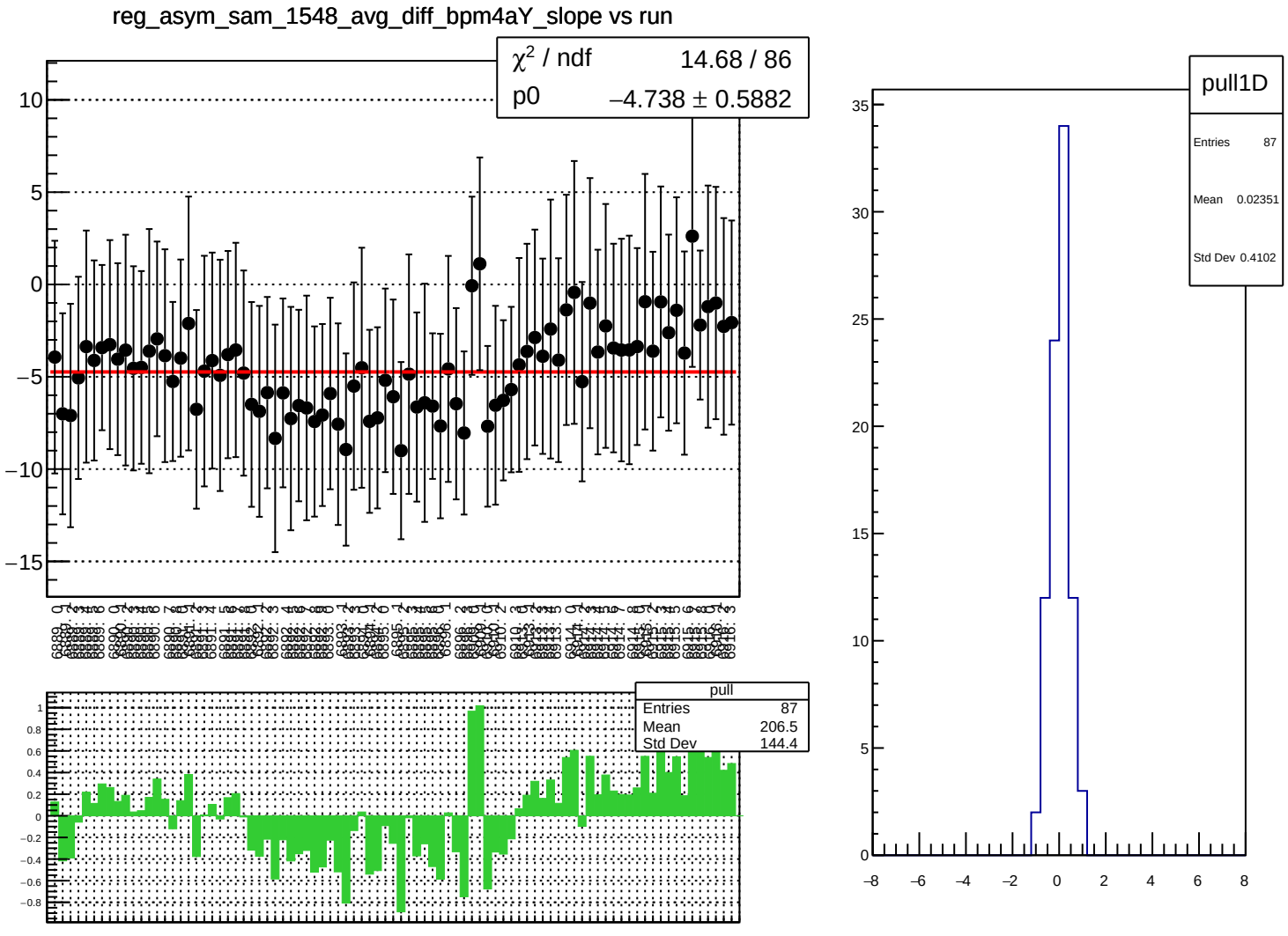

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.66 / 86
p0 16.97 ± 0.5392
pull
Entries 87
Mean 243.4
Std Dev 190.6
pull1D
Entries 87
Mean −0.04847
Std Dev 0.5719

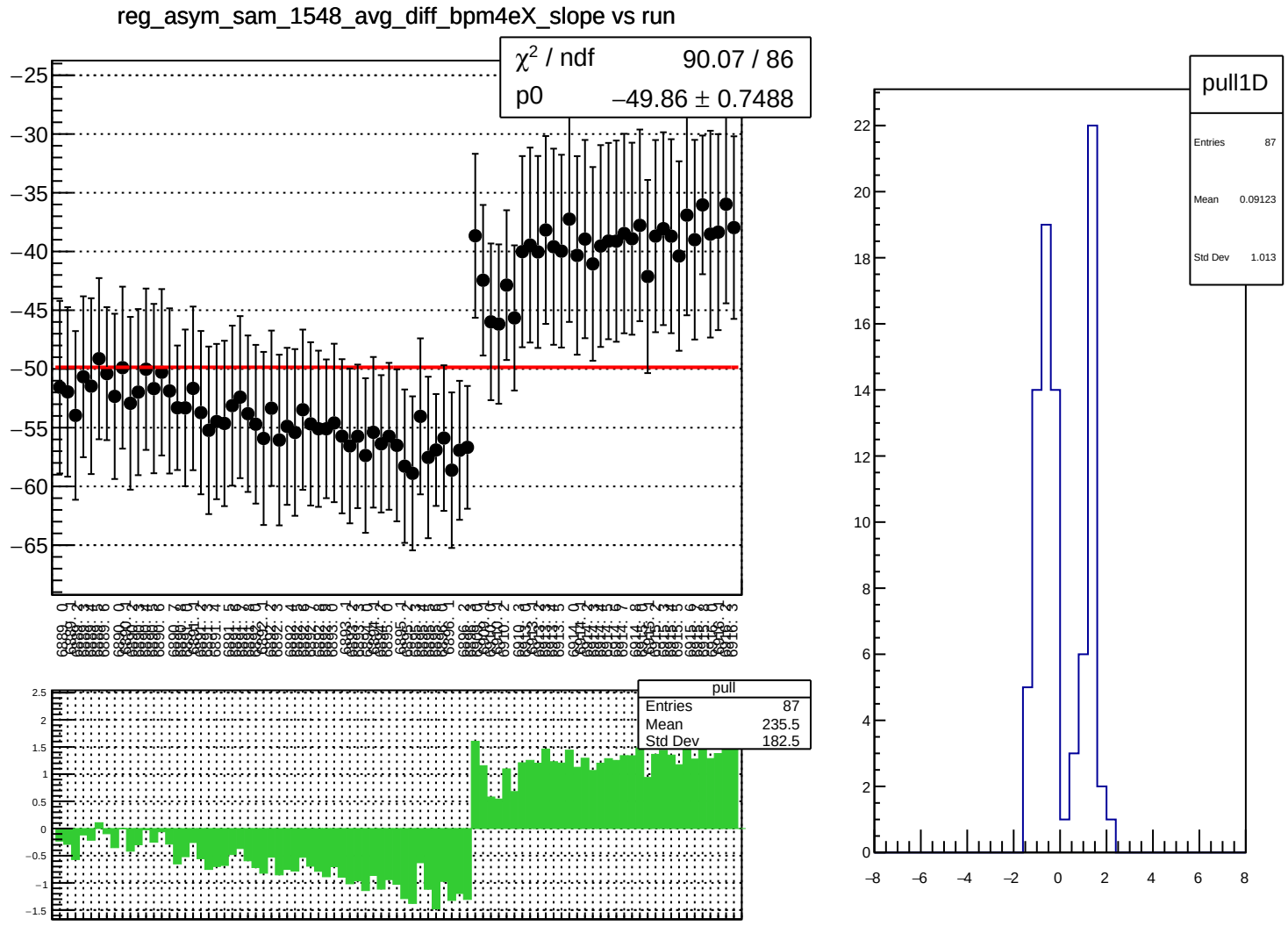

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.85 / 86
p0 −81.83 ± 0.5002
pull
Entries 87
Mean 355.4
Std Dev 290.3
pull1D
Entries 87
Mean 0.01879
Std Dev 0.7717

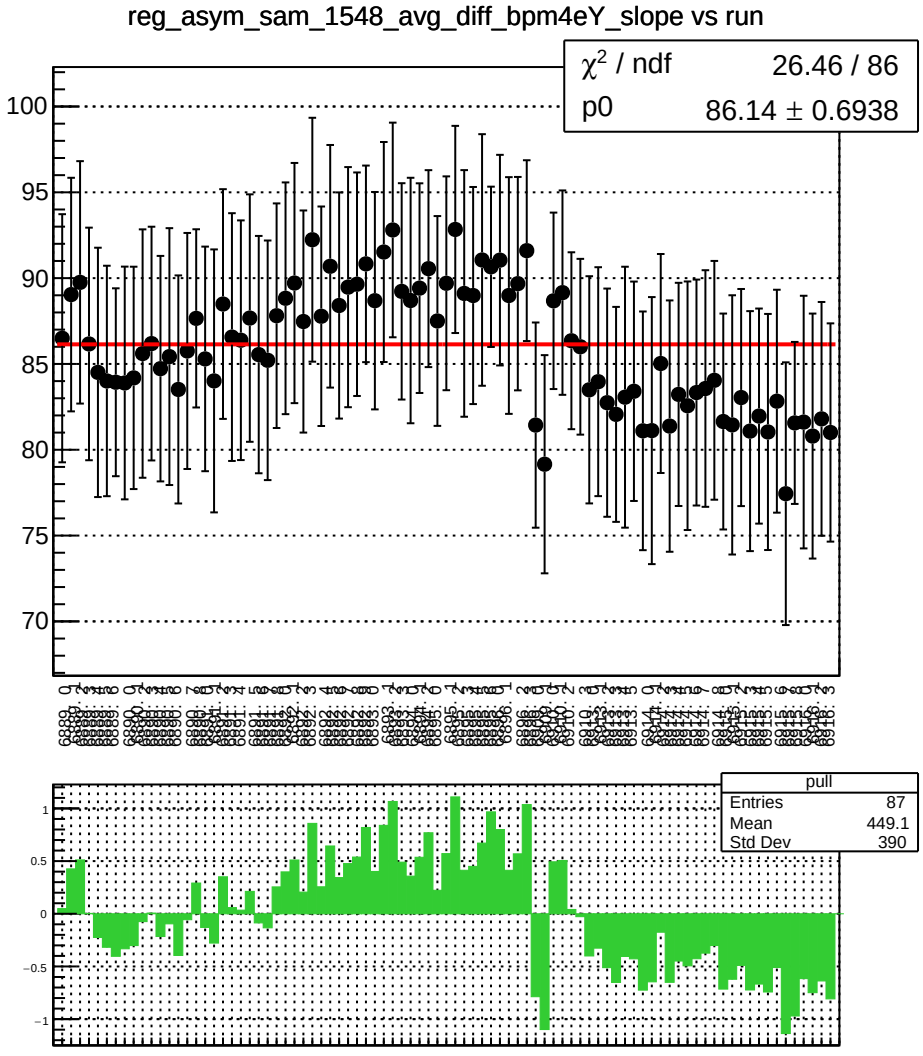

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 21.75 / 86
p0 0.6853 ± 0.02195
pull
Entries 87
Mean −317.2
Std Dev 322.9
pull1D
Entries 87
Mean 0.005908
Std Dev 0.5

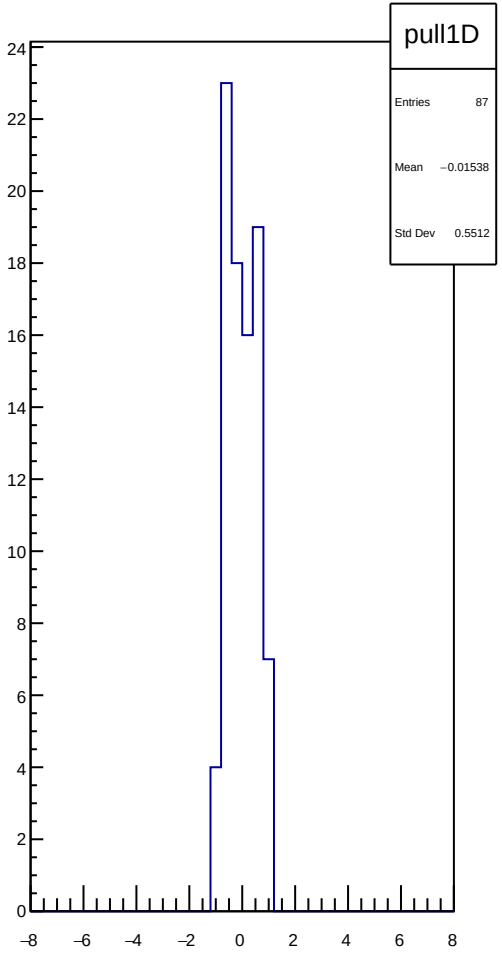

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 83.2 / 86
p0 −4.792 ± 0.7826
pull
Entries 87
Mean 206.5
Std Dev 153.2

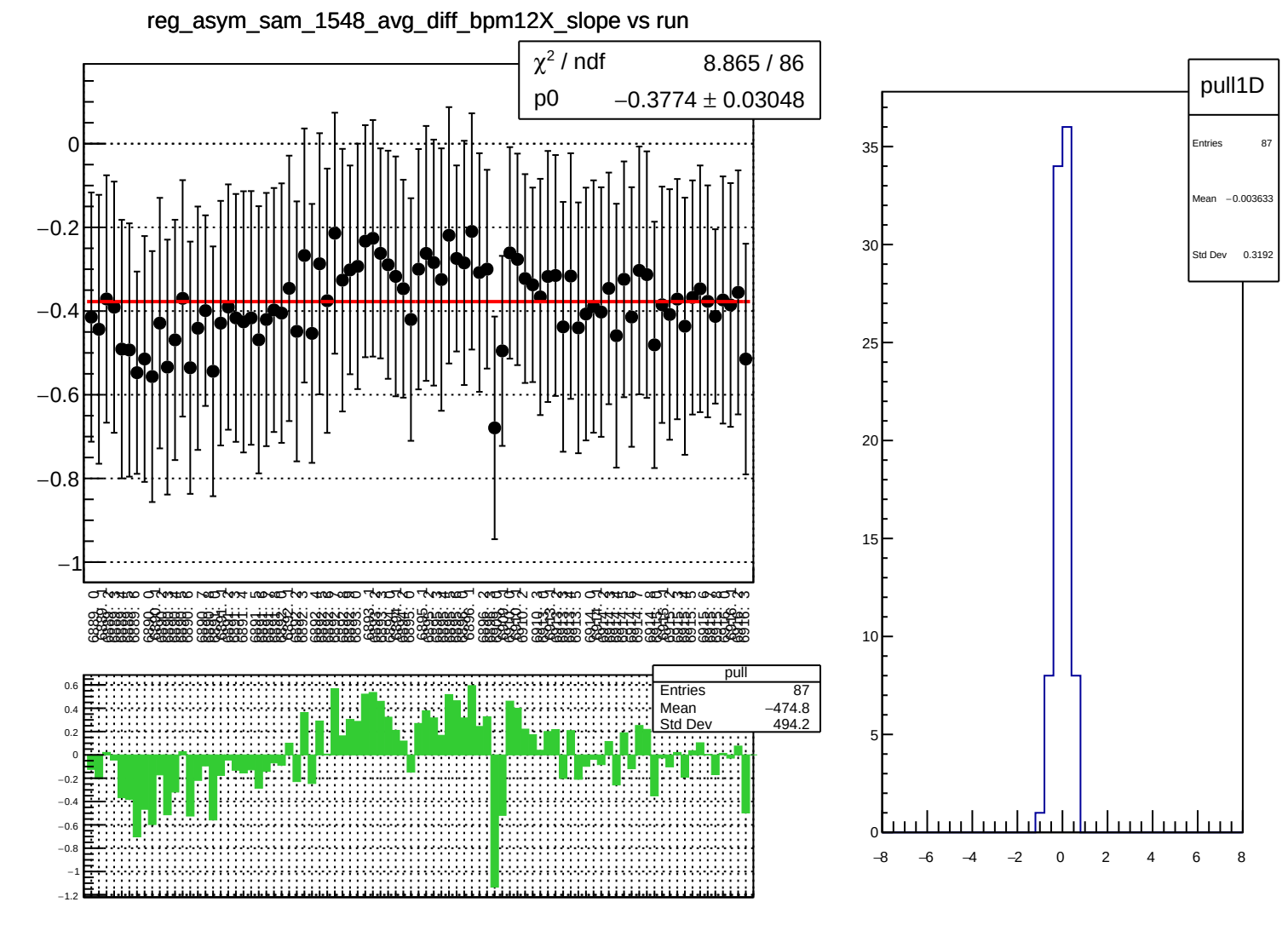

pull1D
Entries 87
Mean −0.1042
Std Dev 0.9723

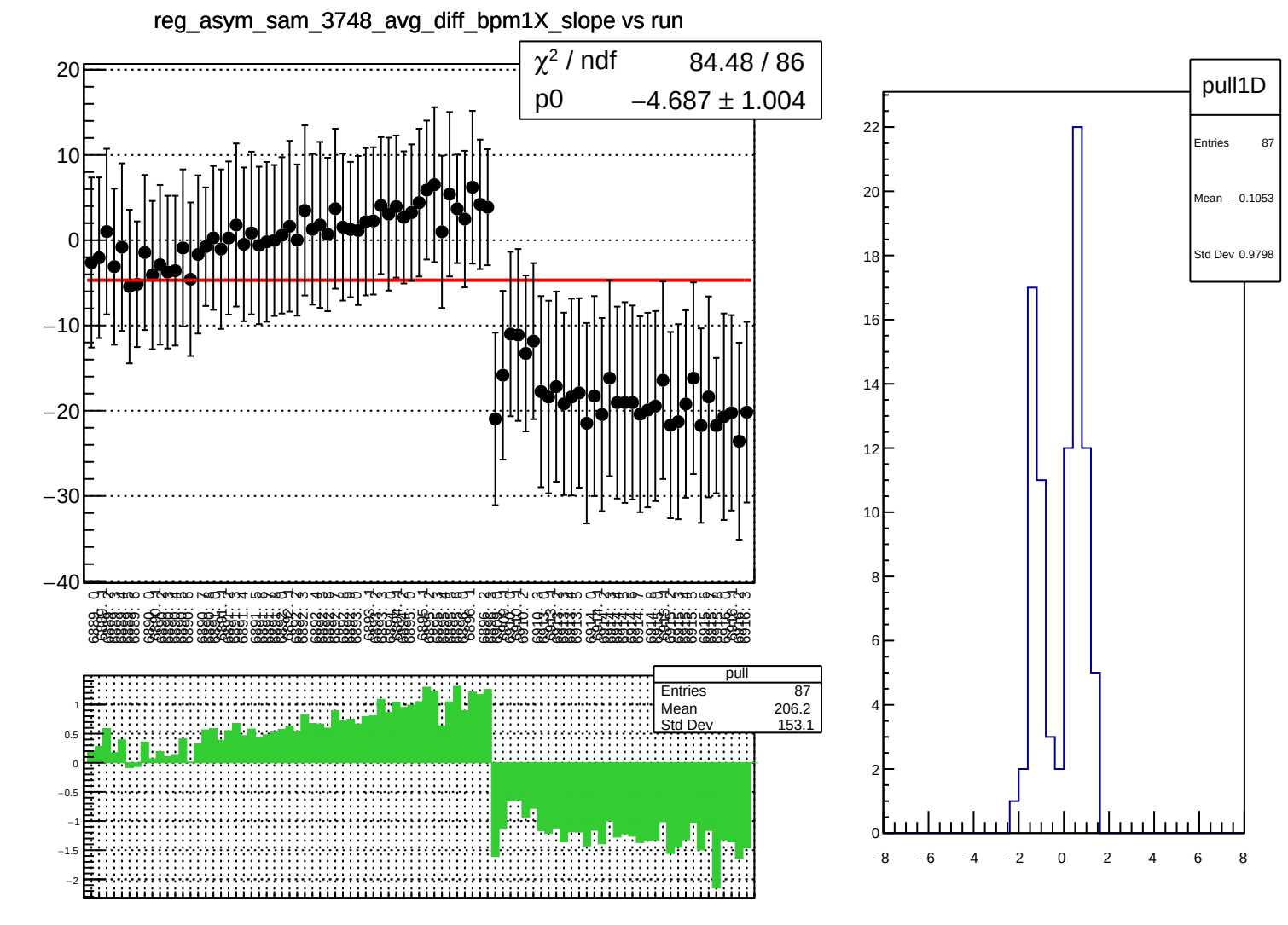

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.68 / 86
p0 −4.738 ± 0.5882
pull
Entries 87
Mean 206.5
Std Dev 144.4
pull1D
Entries 87
Mean 0.02351
Std Dev 0.4102

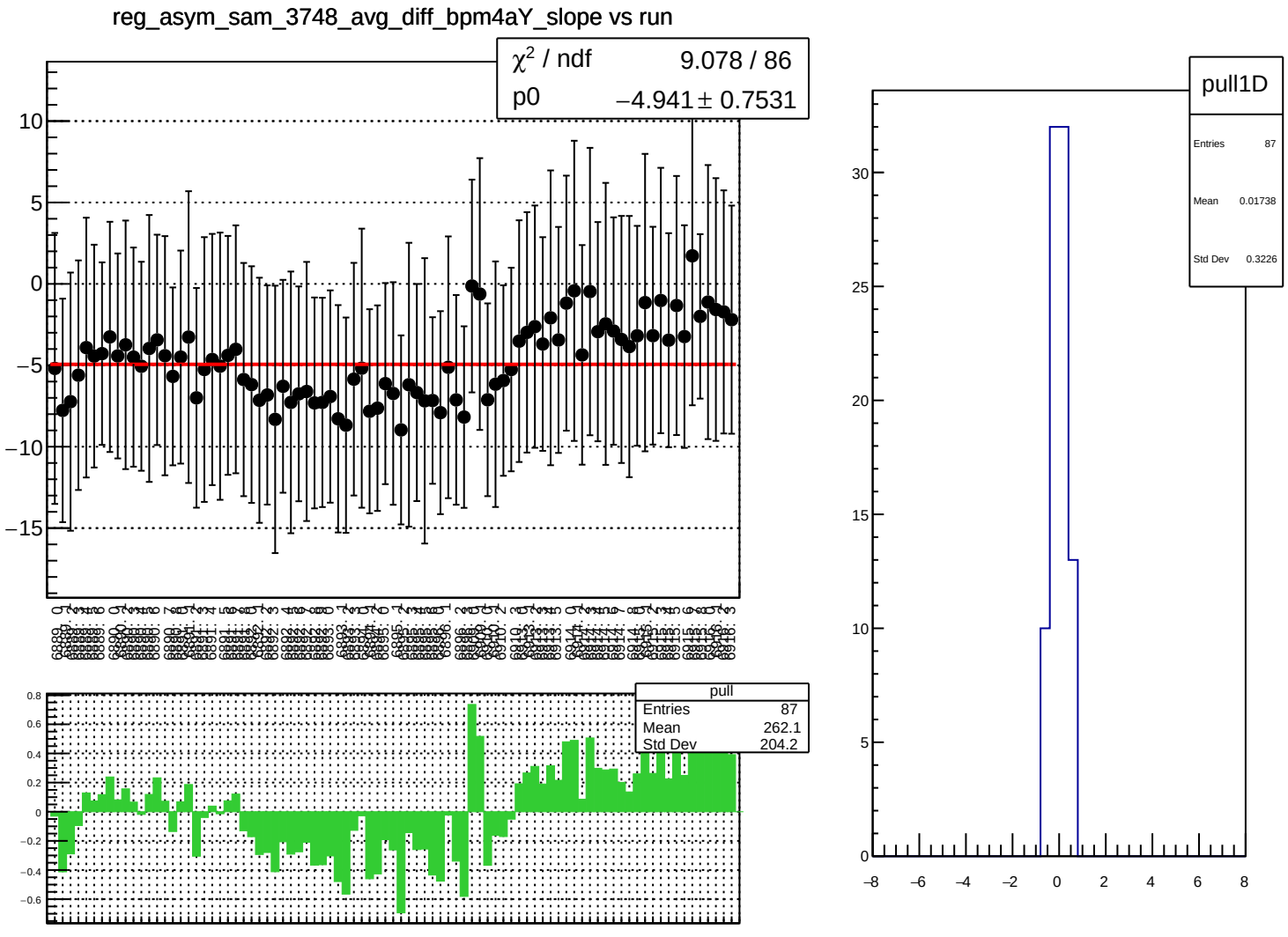

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.07 / 86
p0 −49.86 ± 0.7488
pull
Entries 87
Mean 235.5
Std Dev 182.5
pull1D
Entries 87
Mean 0.09123
Std Dev 1.013

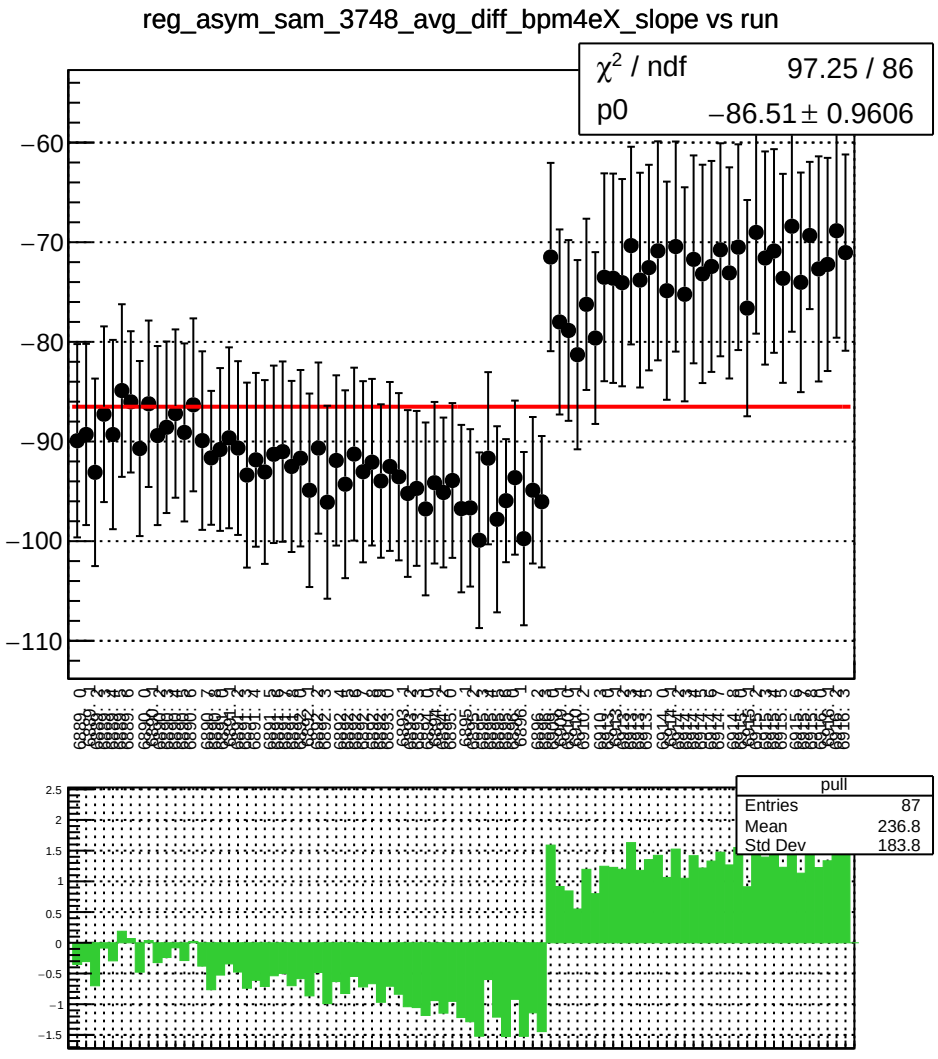

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.46 / 86
p0 86.14 ± 0.6938
100
95
90
85
80
75
70
pull
Entries 87
Mean 449.1
Std Dev 390
1
0.5
0
−0.5
−1

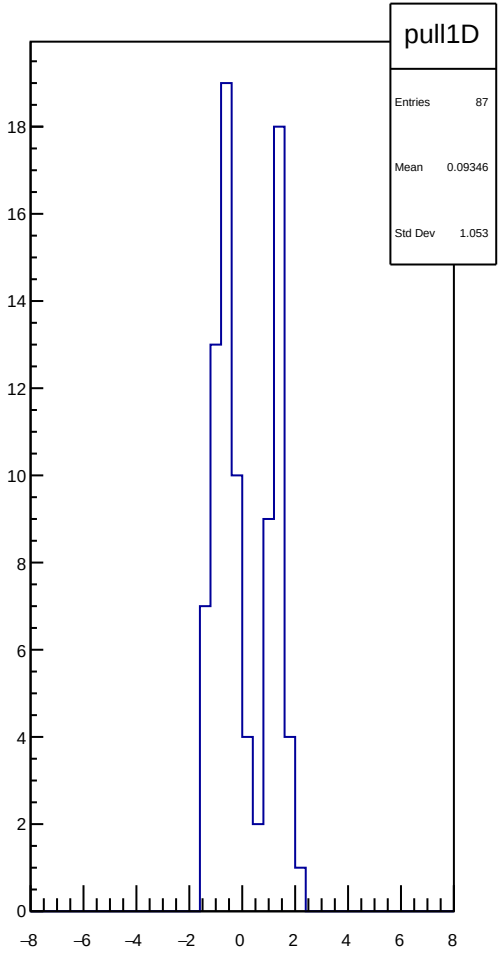

pull1D
Entries 87
Mean −0.01538
Std Dev 0.5512
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

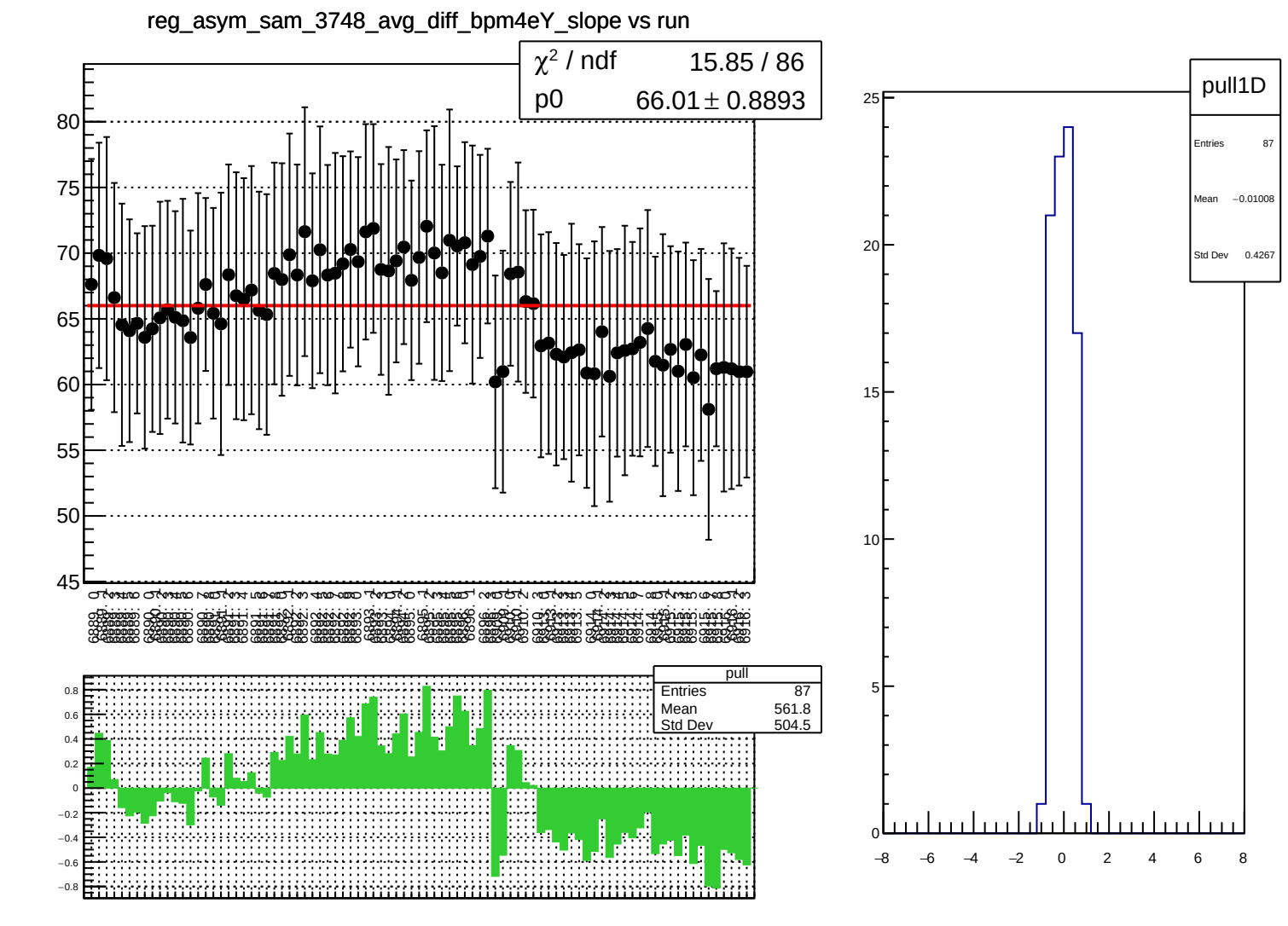

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 8.865 / 86
p0 −0.3774 ± 0.03048
pull
Entries 87
Mean −474.8
Std Dev 494.2
pull1D
Entries 87
Mean −0.003633
Std Dev 0.3192

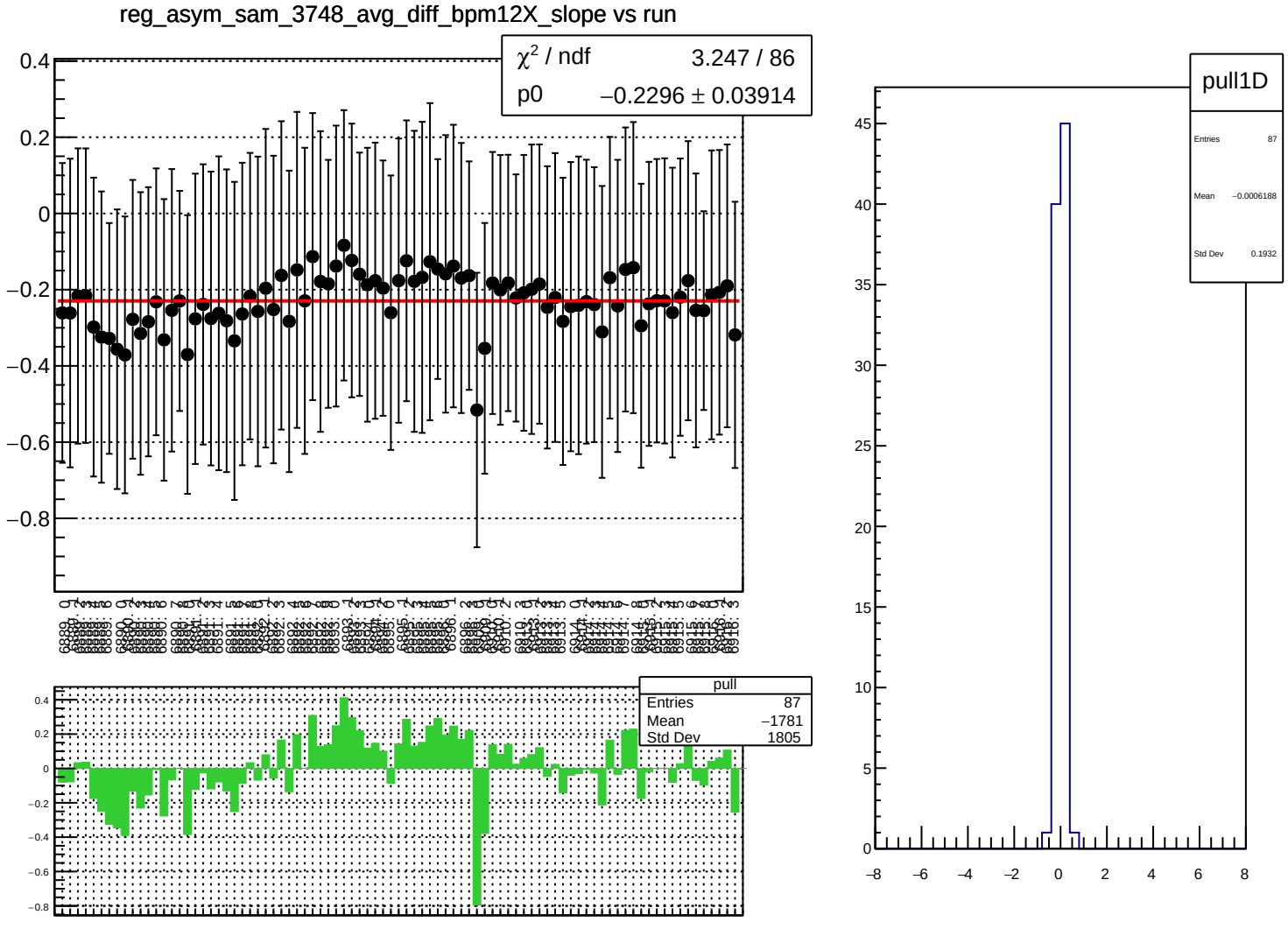

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 84.48 / 86
p0 −4.687 ± 1.004
pull
Entries 87
Mean 206.2
Std Dev 153.1
pull1D
Entries 87
Mean −0.1053
Std Dev 0.9798

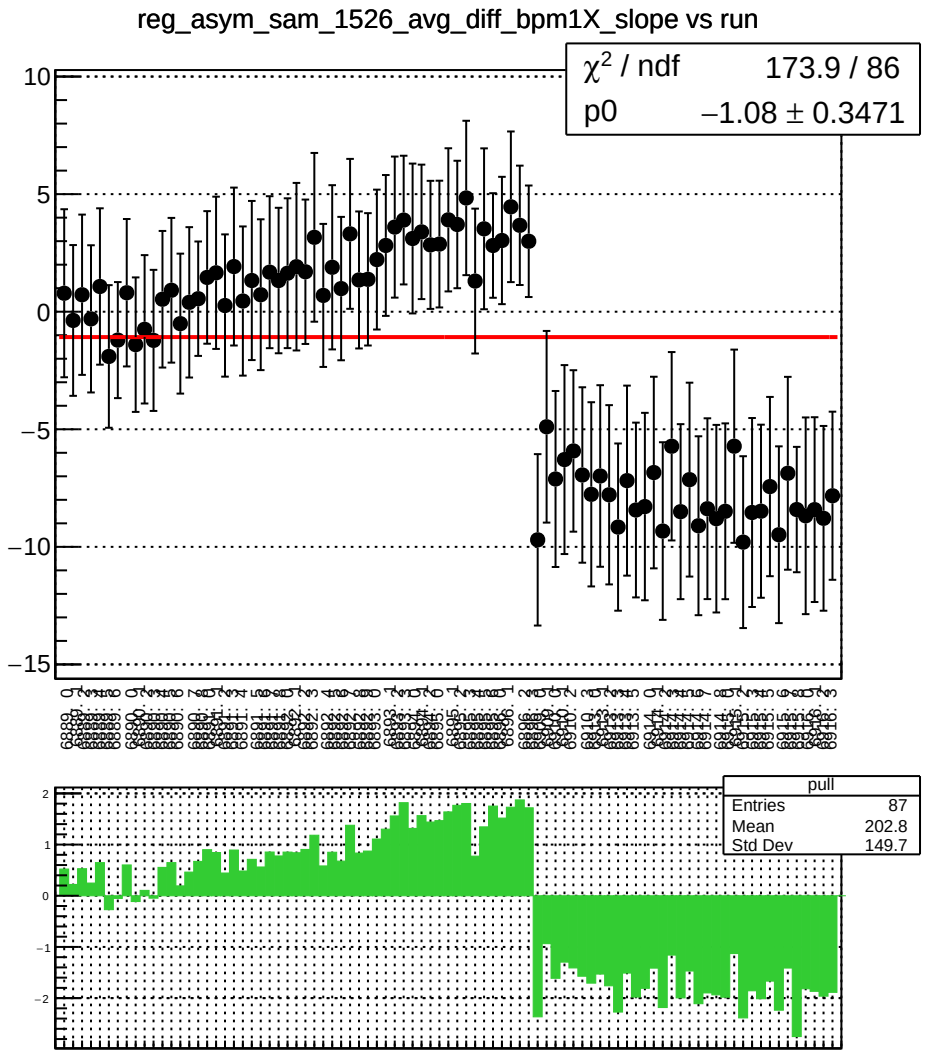

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.078 / 86
p0 −4.941 ± 0.7531
pull
Entries 87
Mean 262.1
Std Dev 204.2
pull1D
Entries 87
Mean 0.01738
Std Dev 0.3226

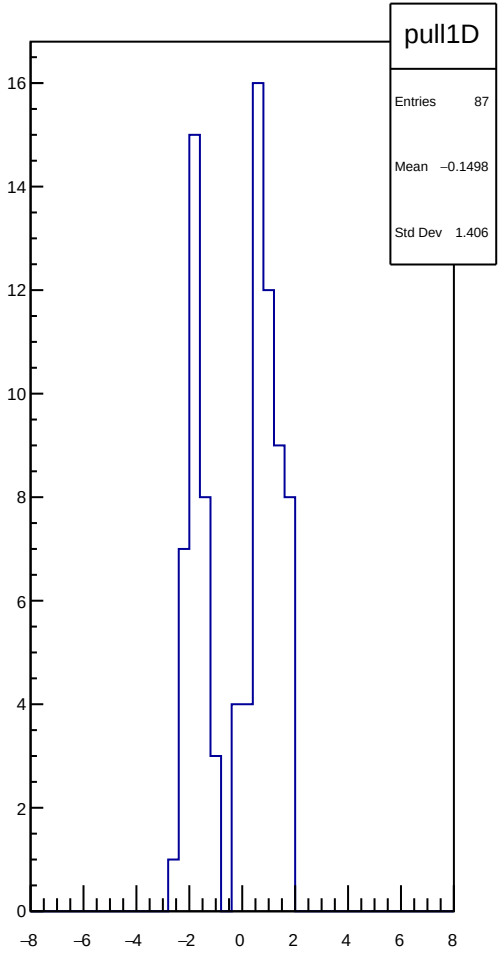

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 97.25 / 86
p0 −86.51 ± 0.9606
pull
Entries 87
Mean 236.8
Std Dev 183.8

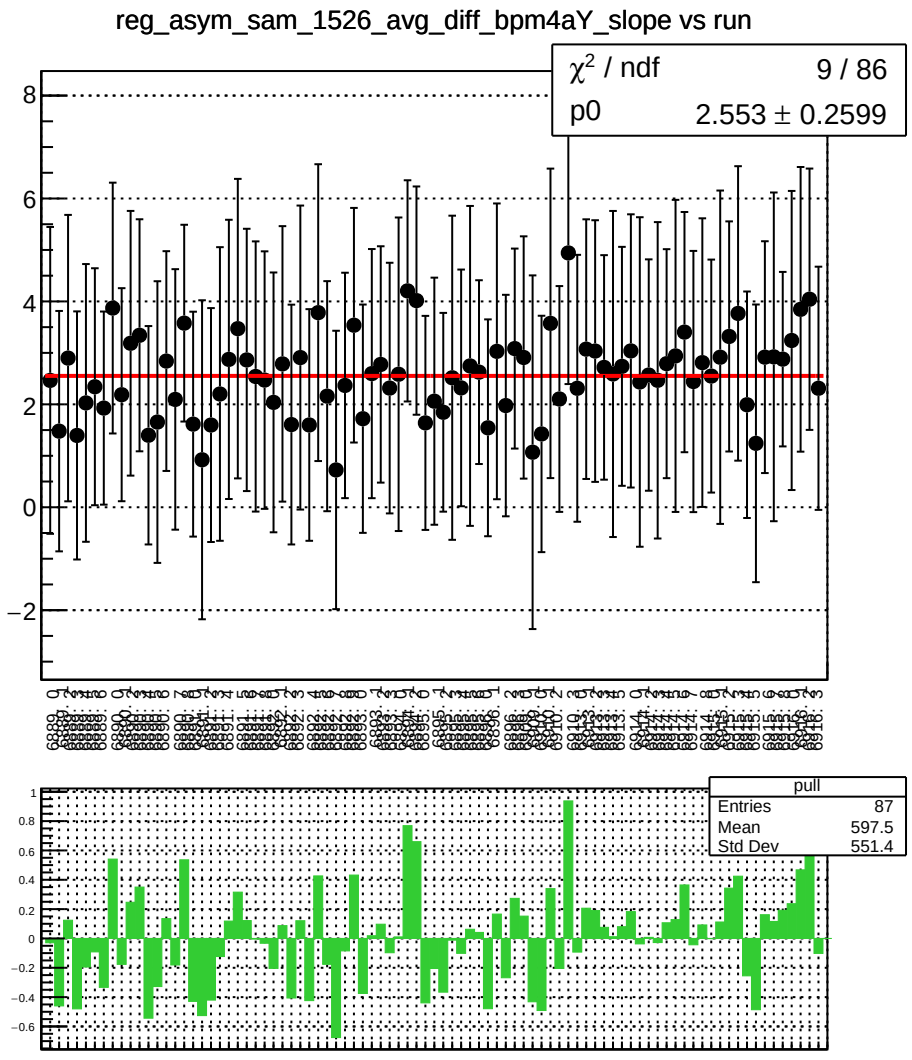

pull1D
Entries 87
Mean 0.09346
Std Dev 1.053

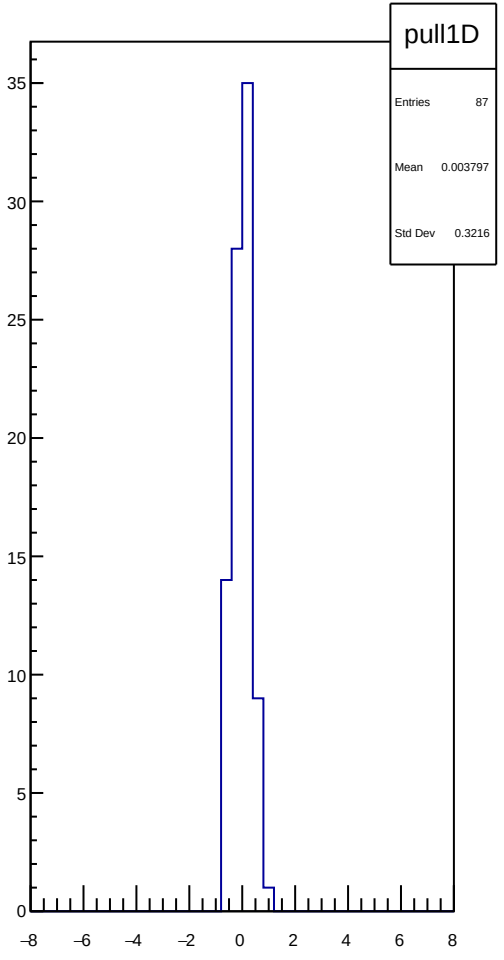

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.85 / 86
p0 66.01 ± 0.8893
pull
Entries 87
Mean 561.8
Std Dev 504.5
pull1D
Entries 87
Mean −0.01008
Std Dev 0.4267

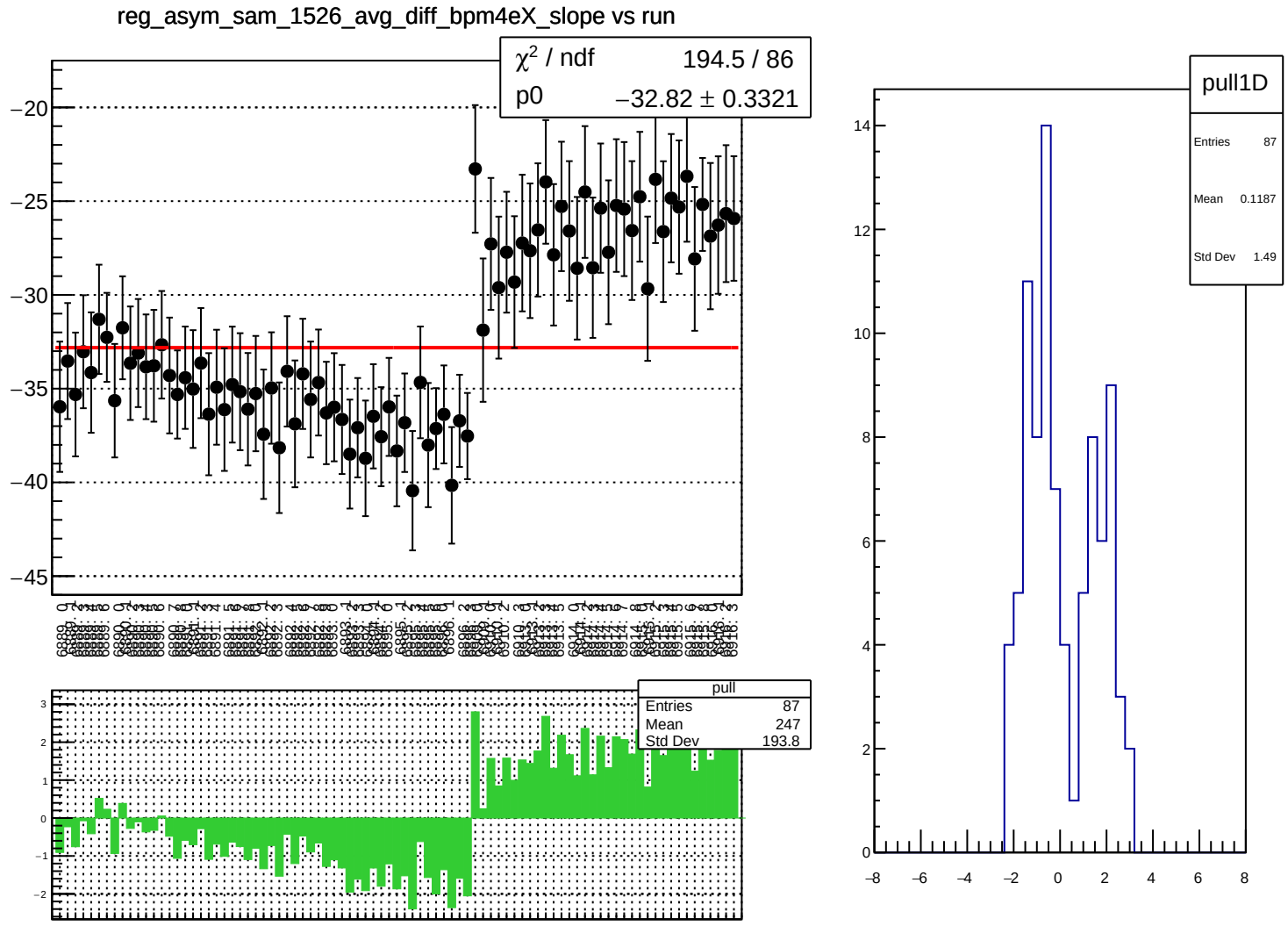

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 3.247 / 86
p0 −0.2296 ± 0.03914
pull
Entries 87
Mean −1781
Std Dev 1805
pull1D
Entries 87
Mean −0.0006188
Std Dev 0.1932

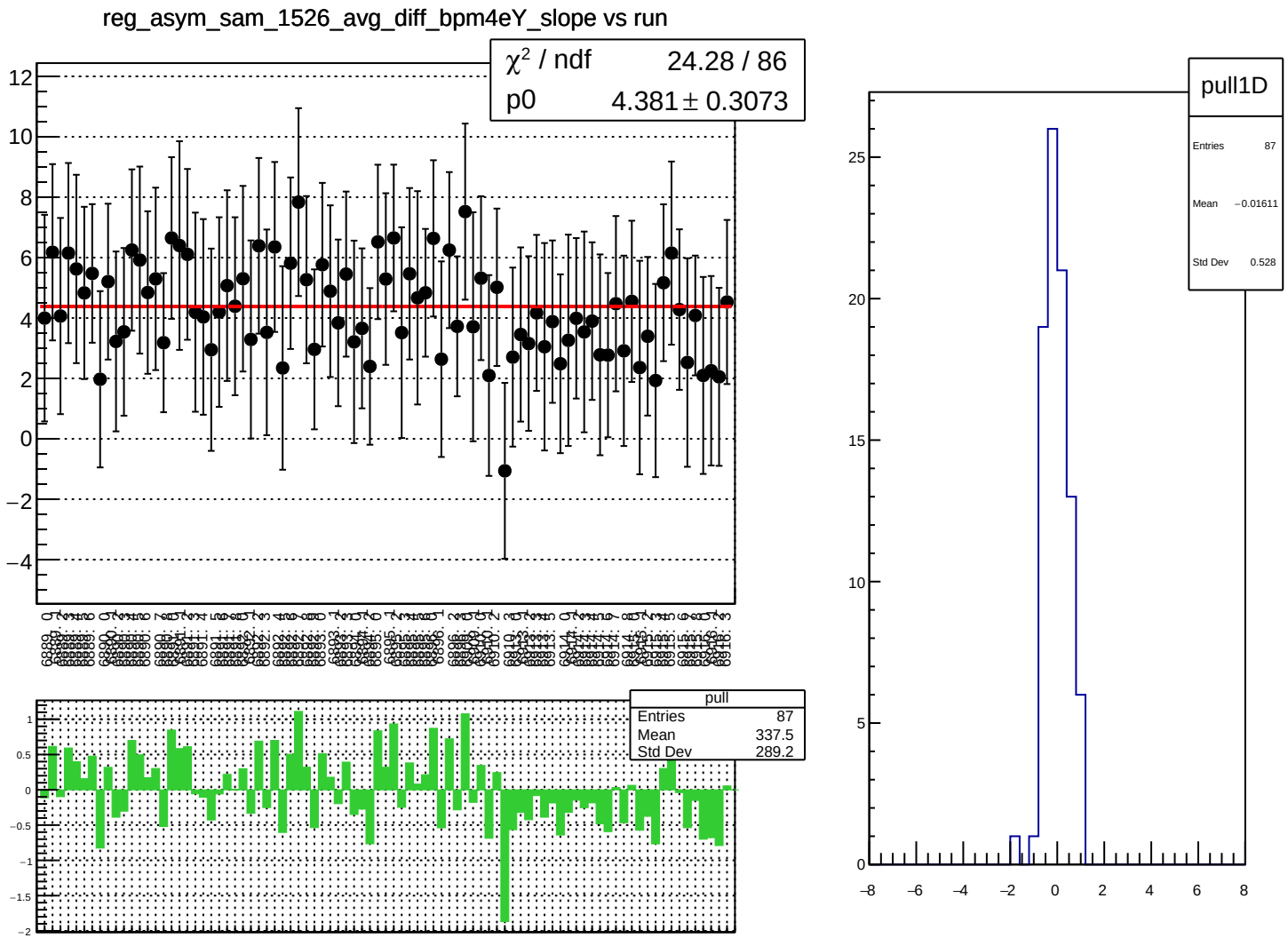

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 173.9 / 86
p0 −1.08 ± 0.3471
pull
Entries 87
Mean 202.8
Std Dev 149.7

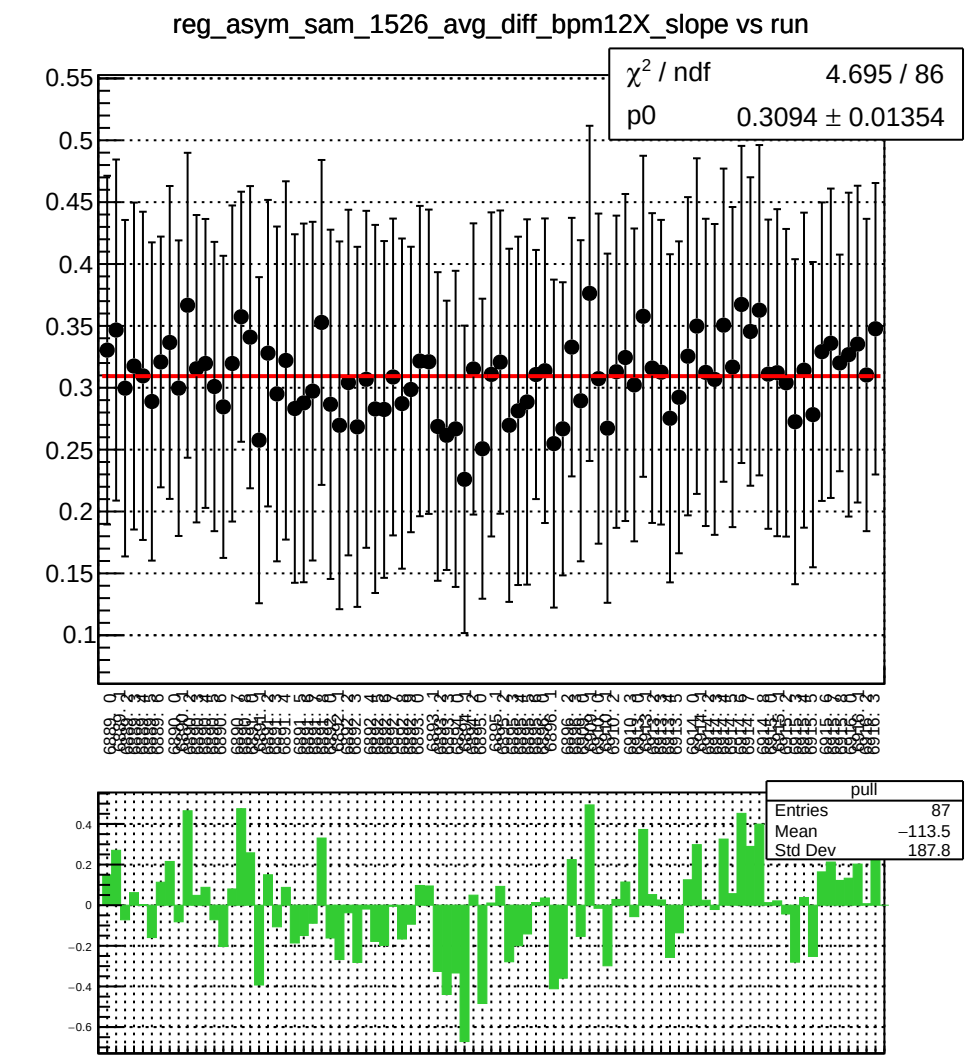

pull1D
Entries 87
Mean −0.1498
Std Dev 1.406

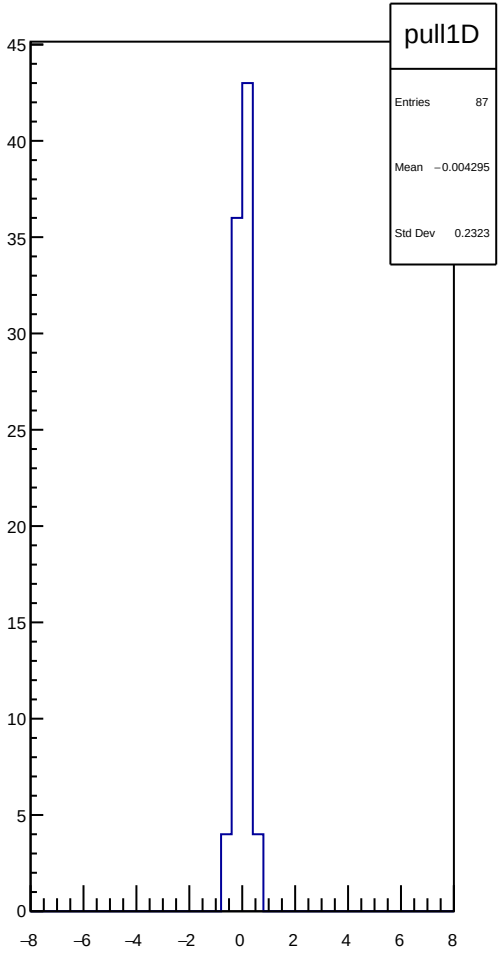

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 9 / 86
p0 2.553 ± 0.2599
pull
Entries 87
Mean 597.5
Std Dev 551.4

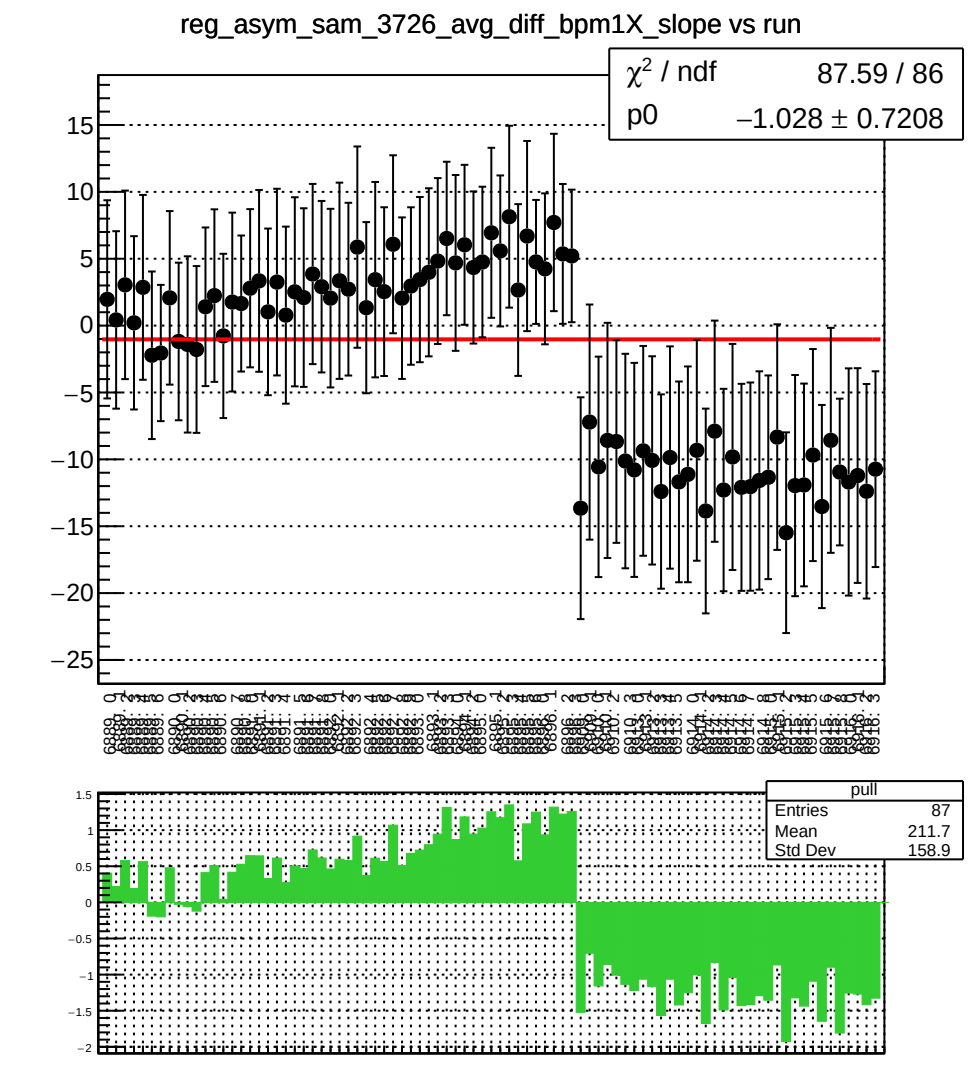

pull1D
Entries 87
Mean 0.003797
Std Dev 0.3216

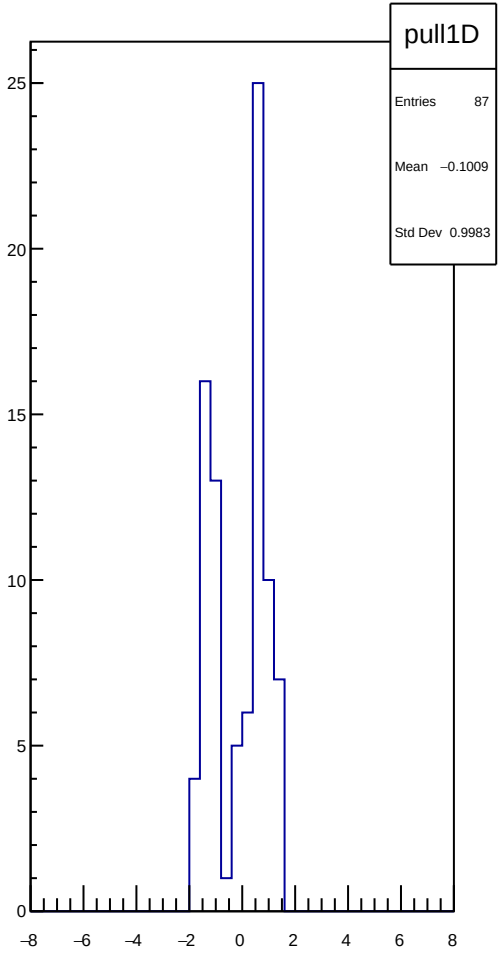

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 194.5 / 86
p0 −32.82 ± 0.3321
pull
Entries 87
Mean 247
Std Dev 193.8
pull1D
Entries 87
Mean 0.1187
Std Dev 1.49

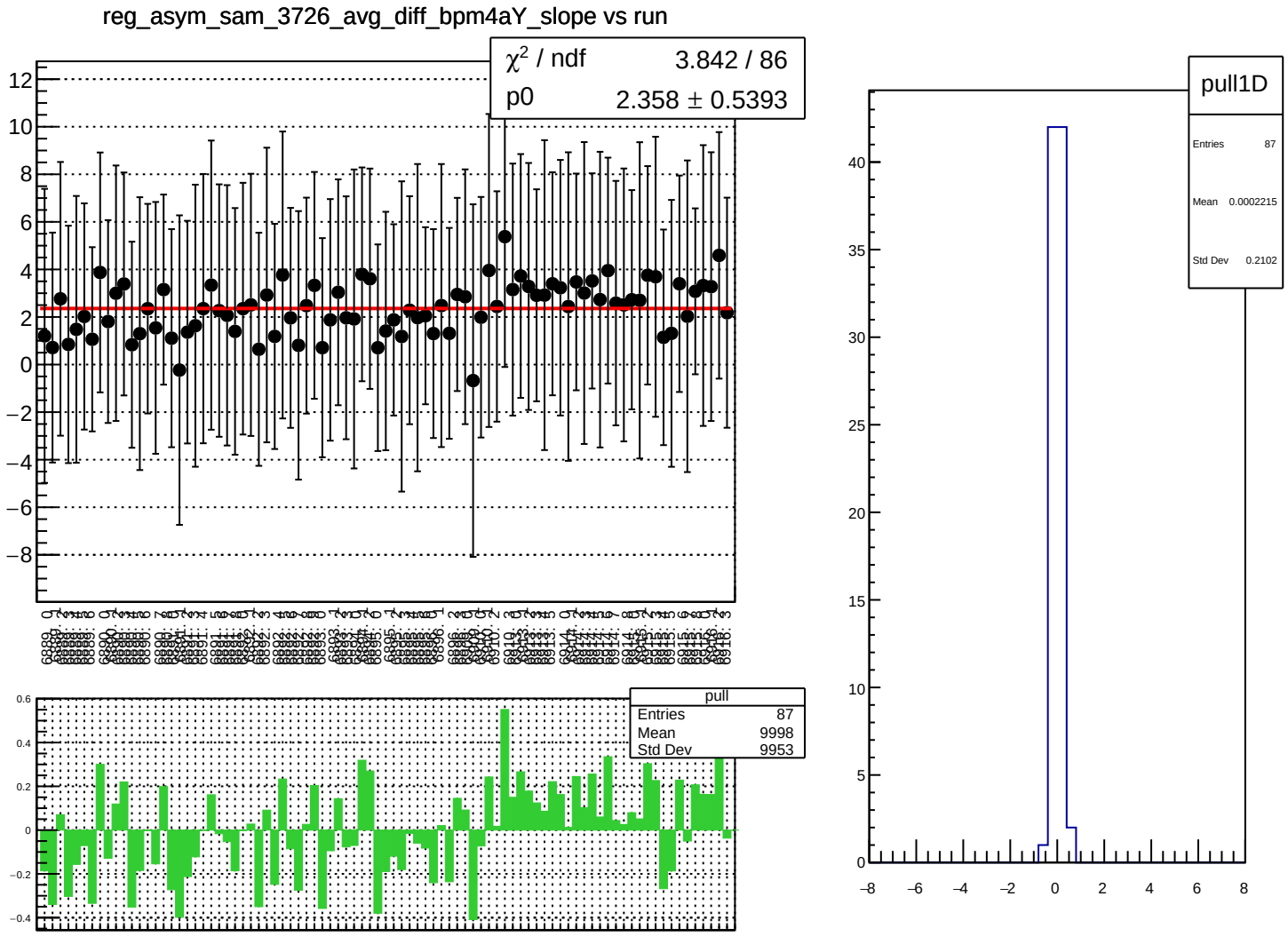

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.28 / 86
p0 4.381 ± 0.3073
pull
Entries 87
Mean 337.5
Std Dev 289.2
pull1D
Entries 87
Mean −0.01611
Std Dev 0.528

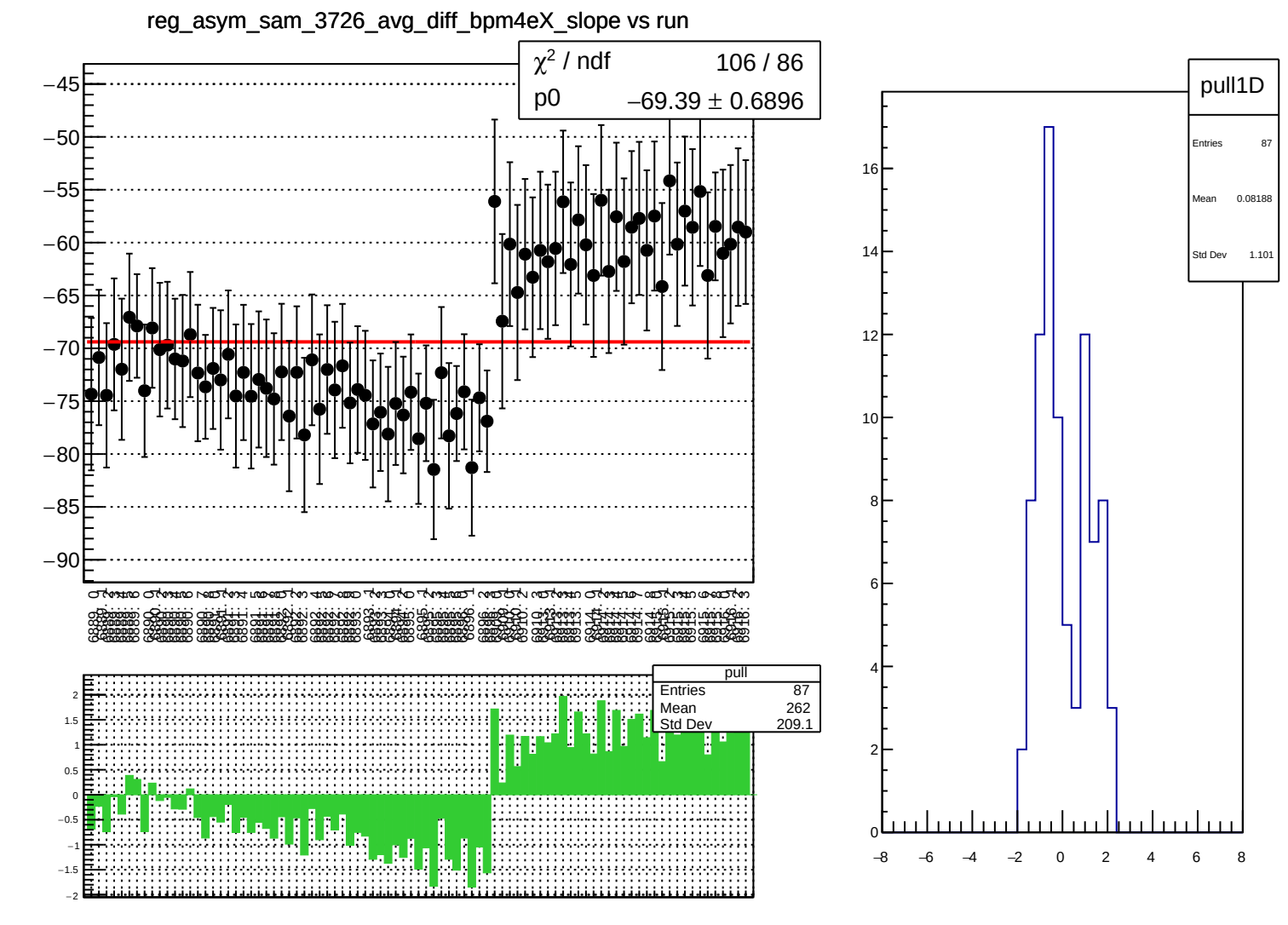

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 4.695 / 86
p0 0.3094 ± 0.01354
pull
Entries 87
Mean −113.5
Std Dev 187.8

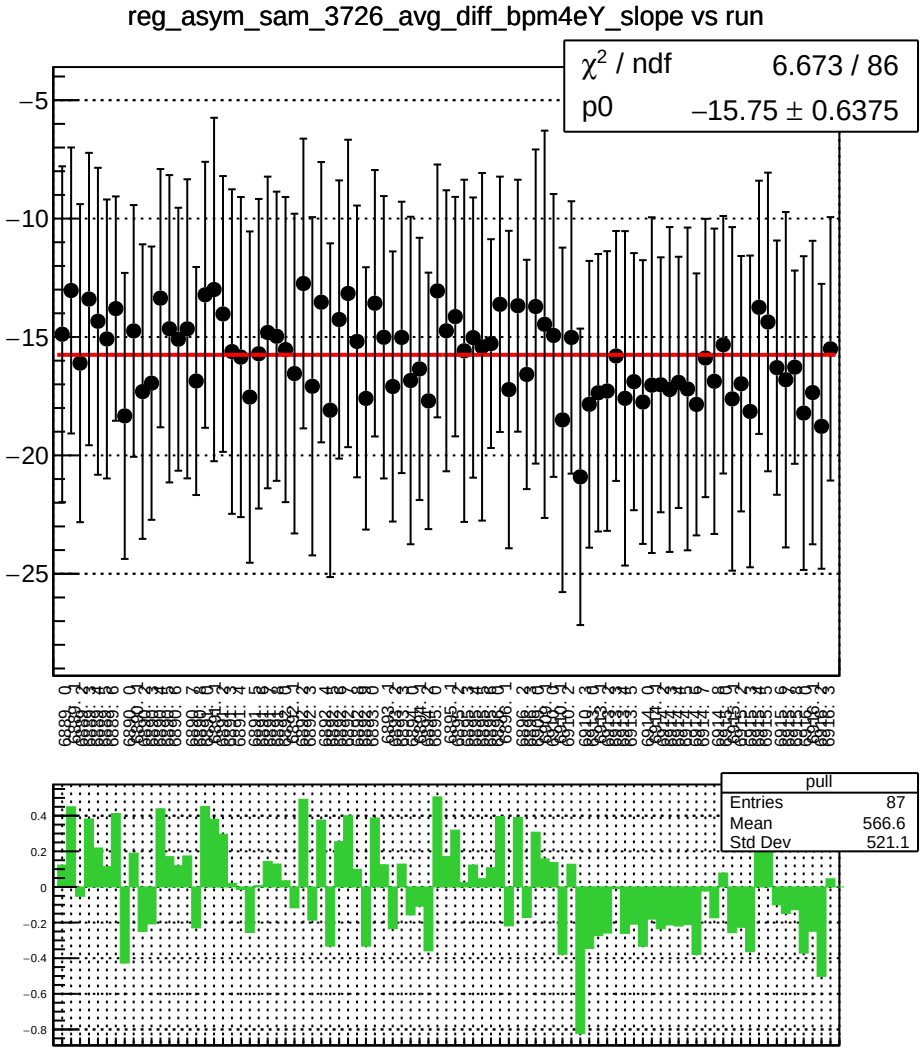

pull1D
Entries 87
Mean −0.004295
Std Dev 0.2323

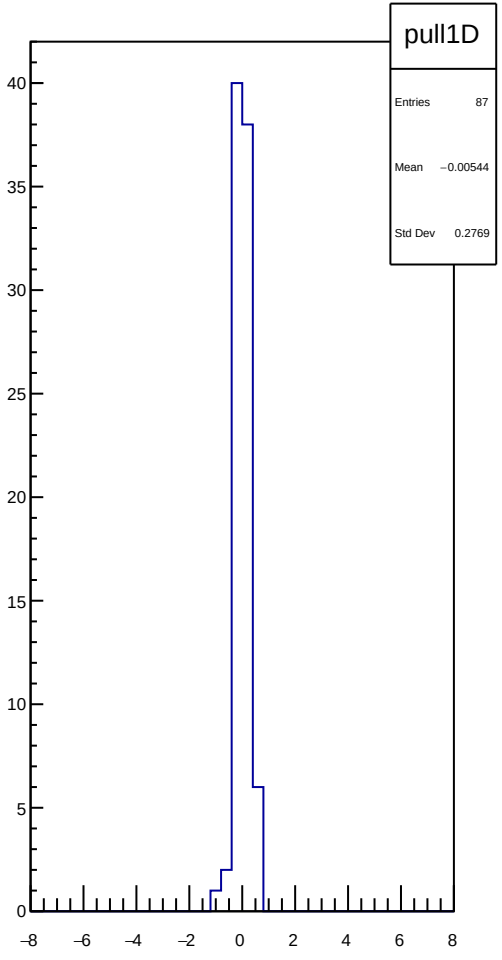

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 87.59 / 86
p0 −1.028 ± 0.7208
pull
Entries 87
Mean 211.7
Std Dev 158.9

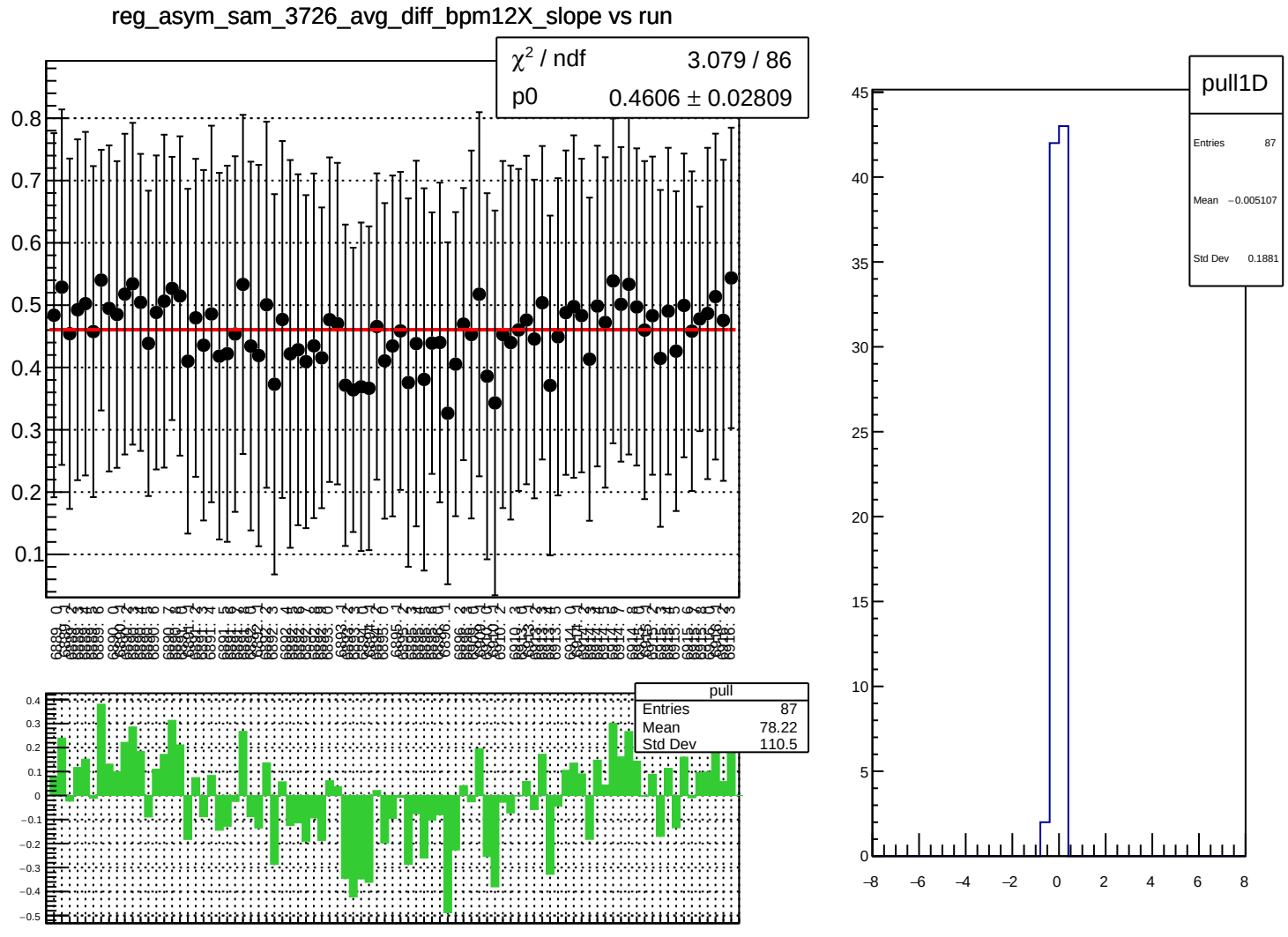

pull1D
Entries 87
Mean −0.1009
Std Dev 0.9983

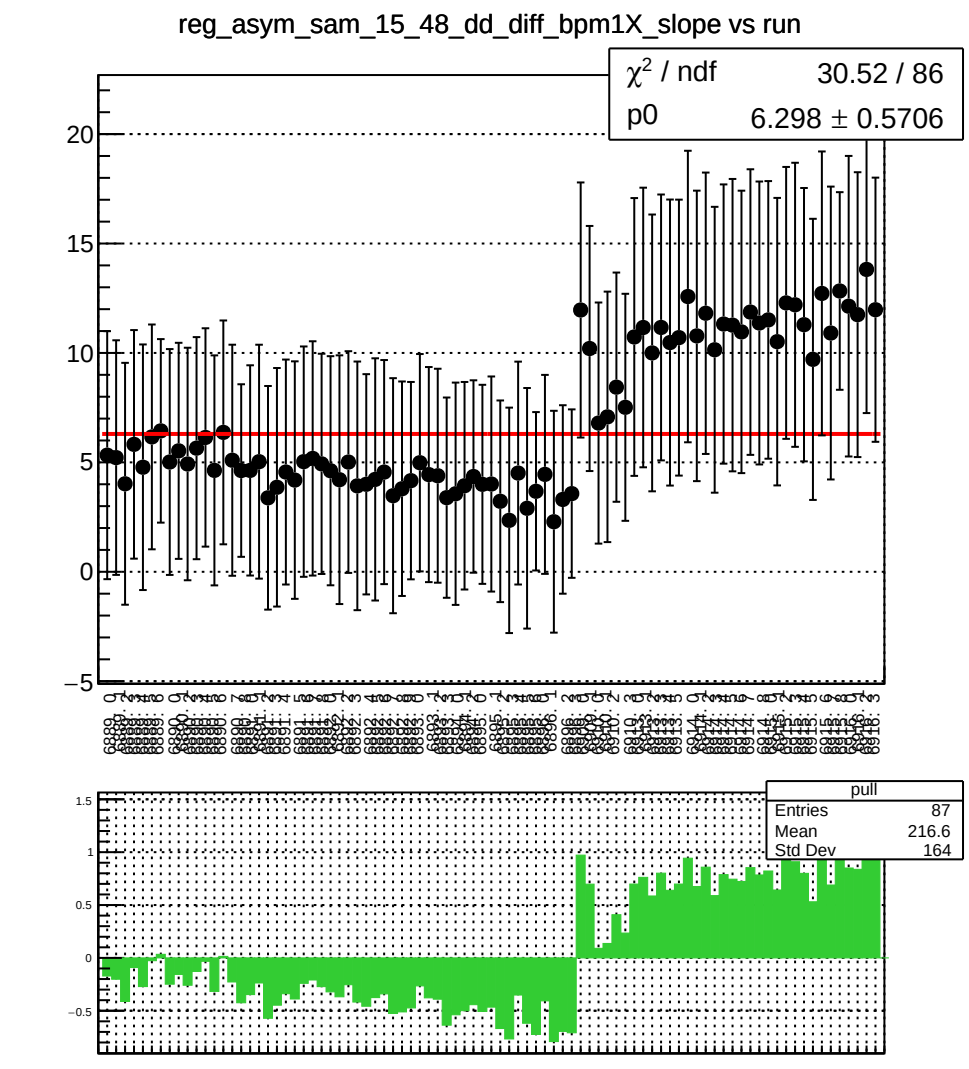

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.842 / 86
p0 2.358 ± 0.5393
pull
Entries 87
Mean 9998
Std Dev 9953
pull1D
Entries 87
Mean 0.0002215
Std Dev 0.2102

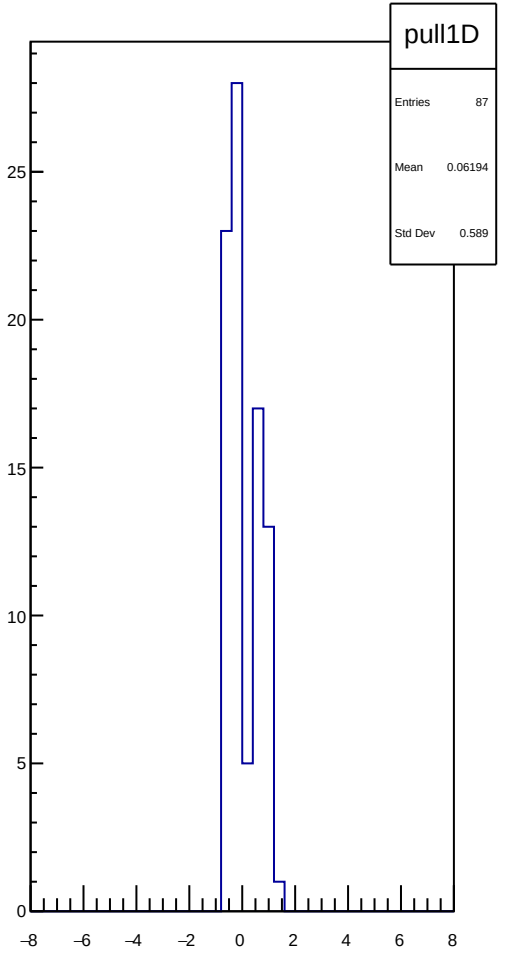

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 106 / 86
p0 −69.39 ± 0.6896
pull
Entries 87
Mean 262
Std Dev 209.1
pull1D
Entries 87
Mean 0.08188
Std Dev 1.101

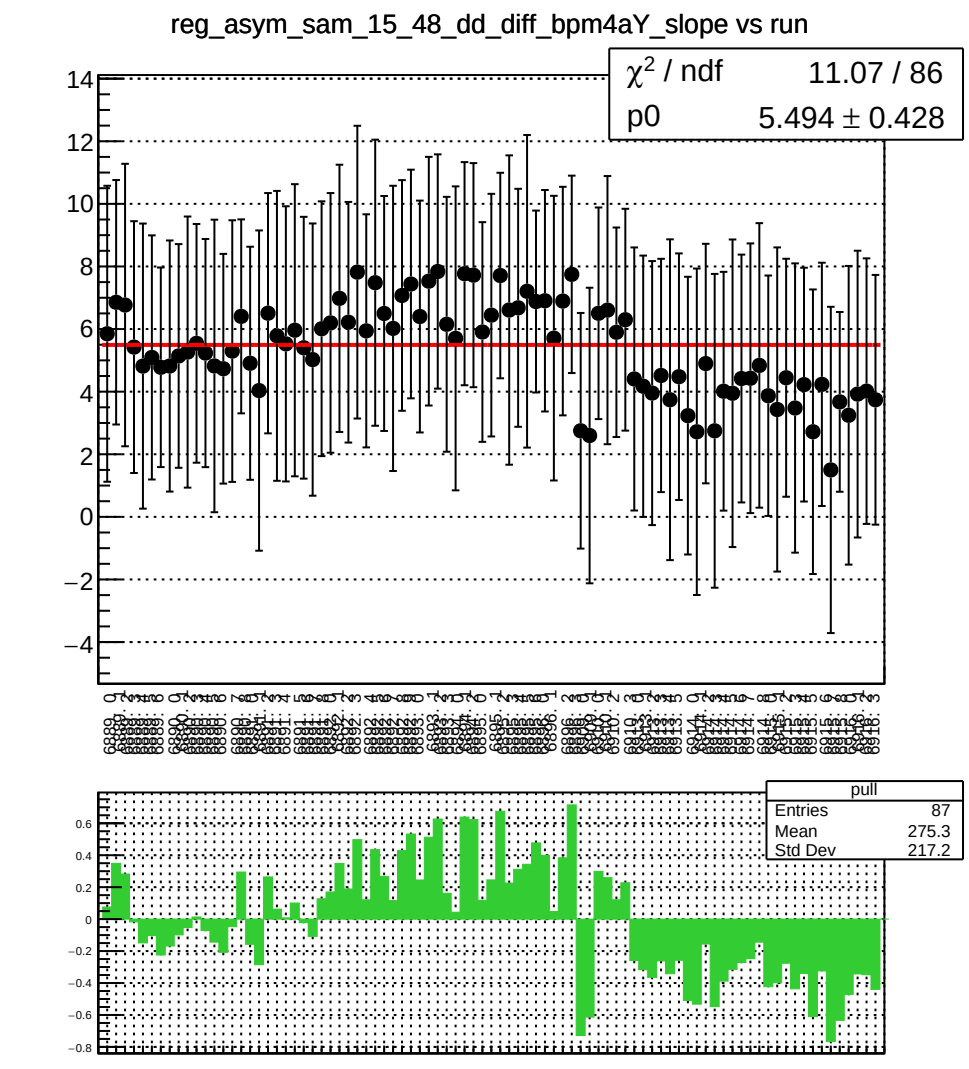

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.673 / 86
p0 −15.75 ± 0.6375
pull
Entries 87
Mean 566.6
Std Dev 521.1

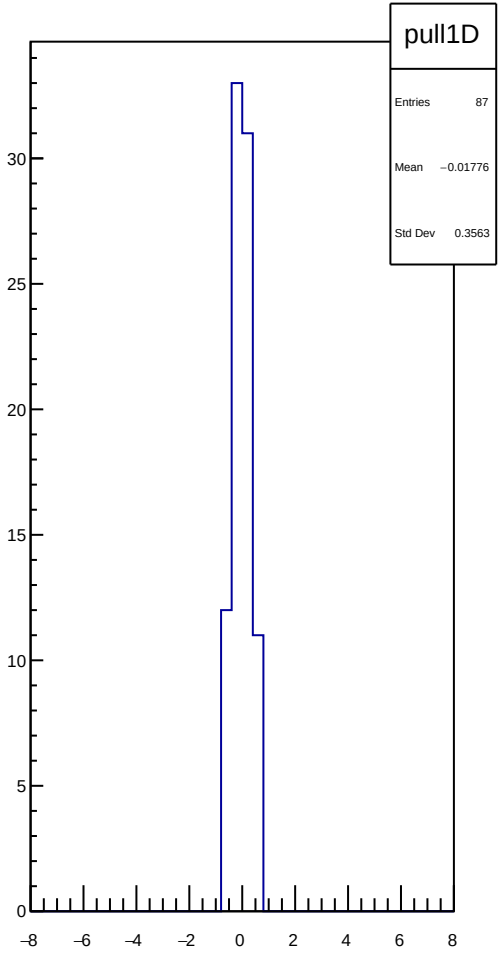

pull1D
Entries 87
Mean −0.00544
Std Dev 0.2769

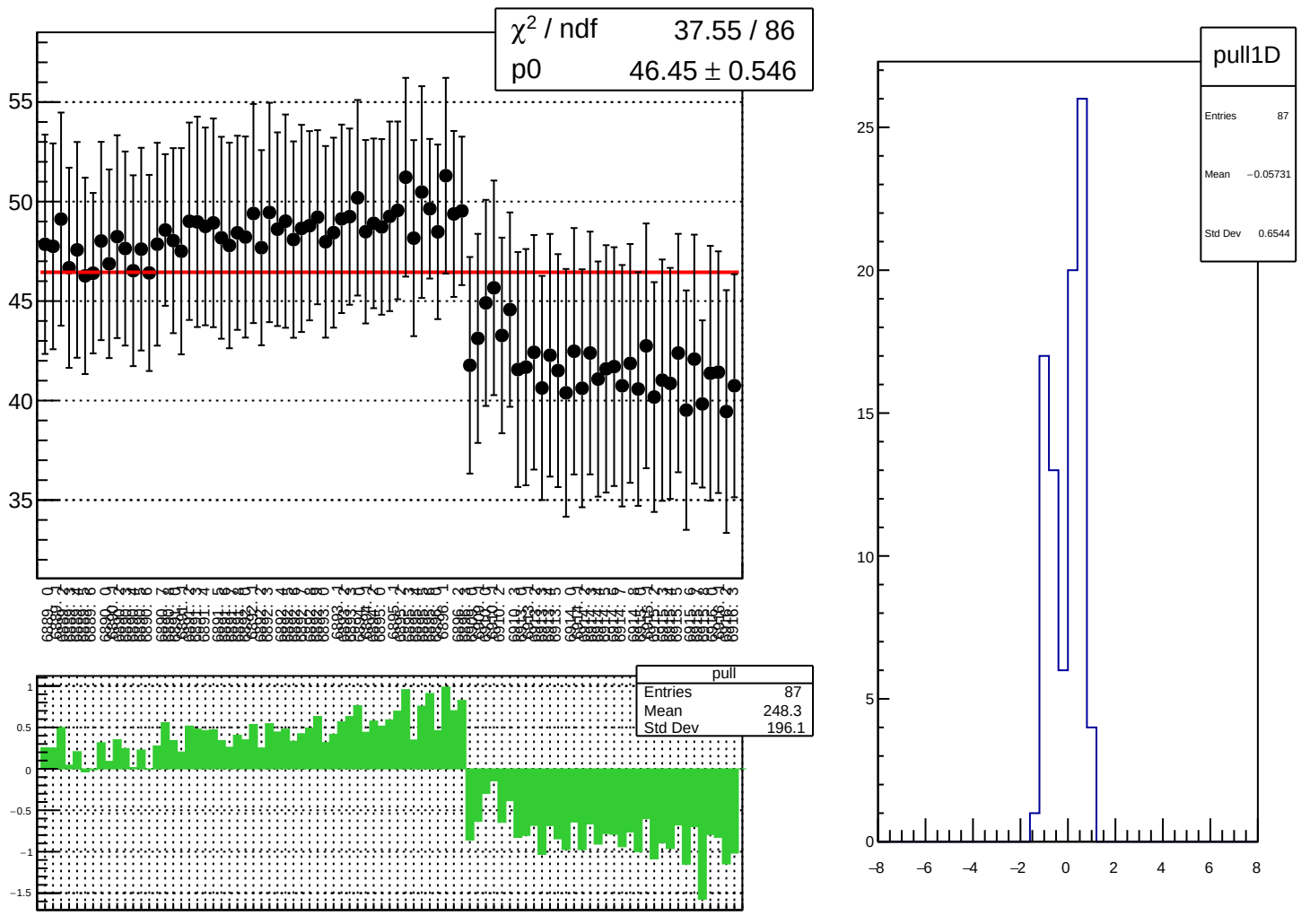

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.079 / 86
p0 0.4606 ± 0.02809
pull
Entries 87
Mean 78.22
Std Dev 110.5
pull1D
Entries 87
Mean −0.005107
Std Dev 0.1881

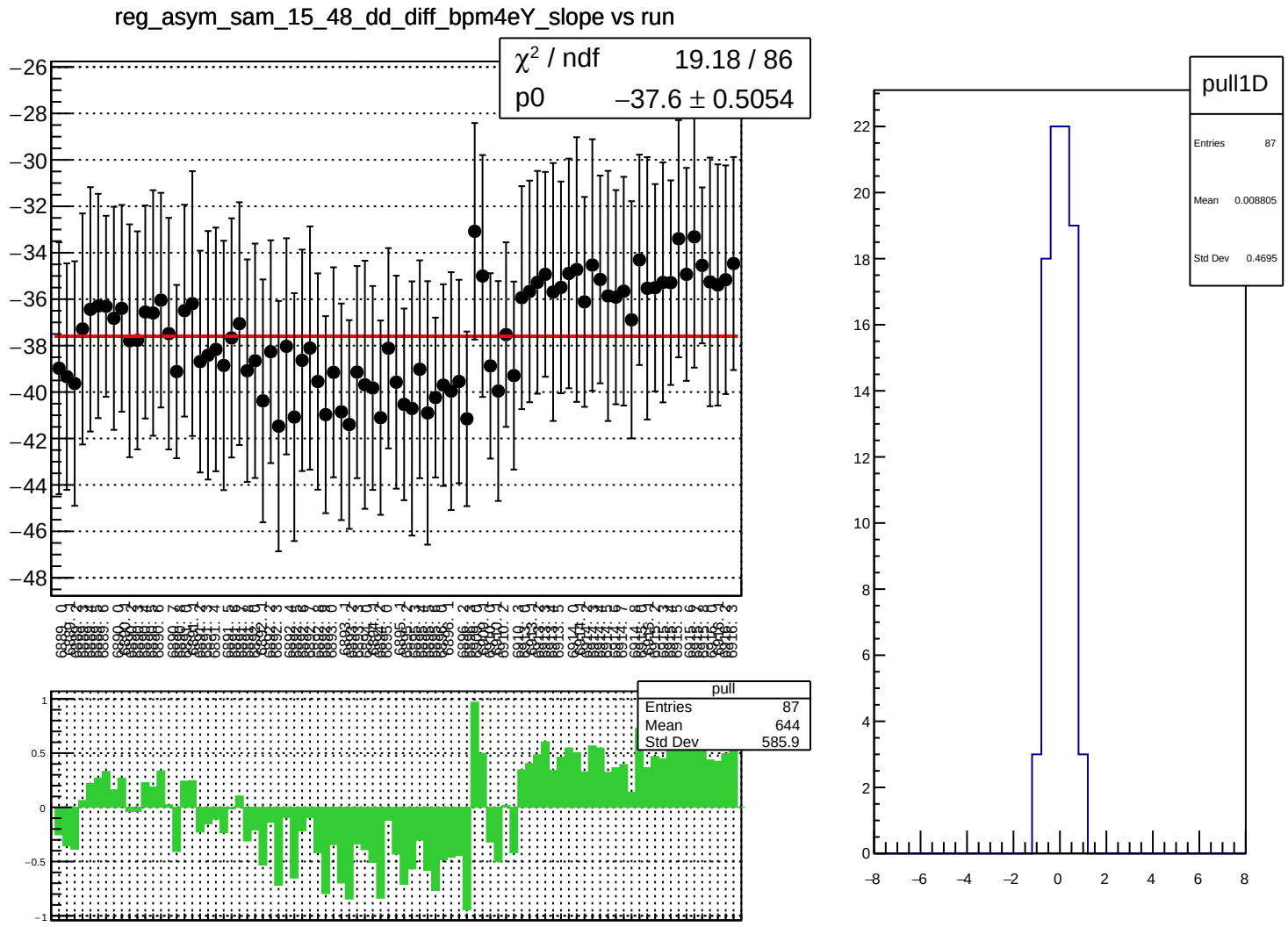

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 30.52 / 86
p0 6.298 ± 0.5706
pull
Entries 87
Mean 216.6
Std Dev 164

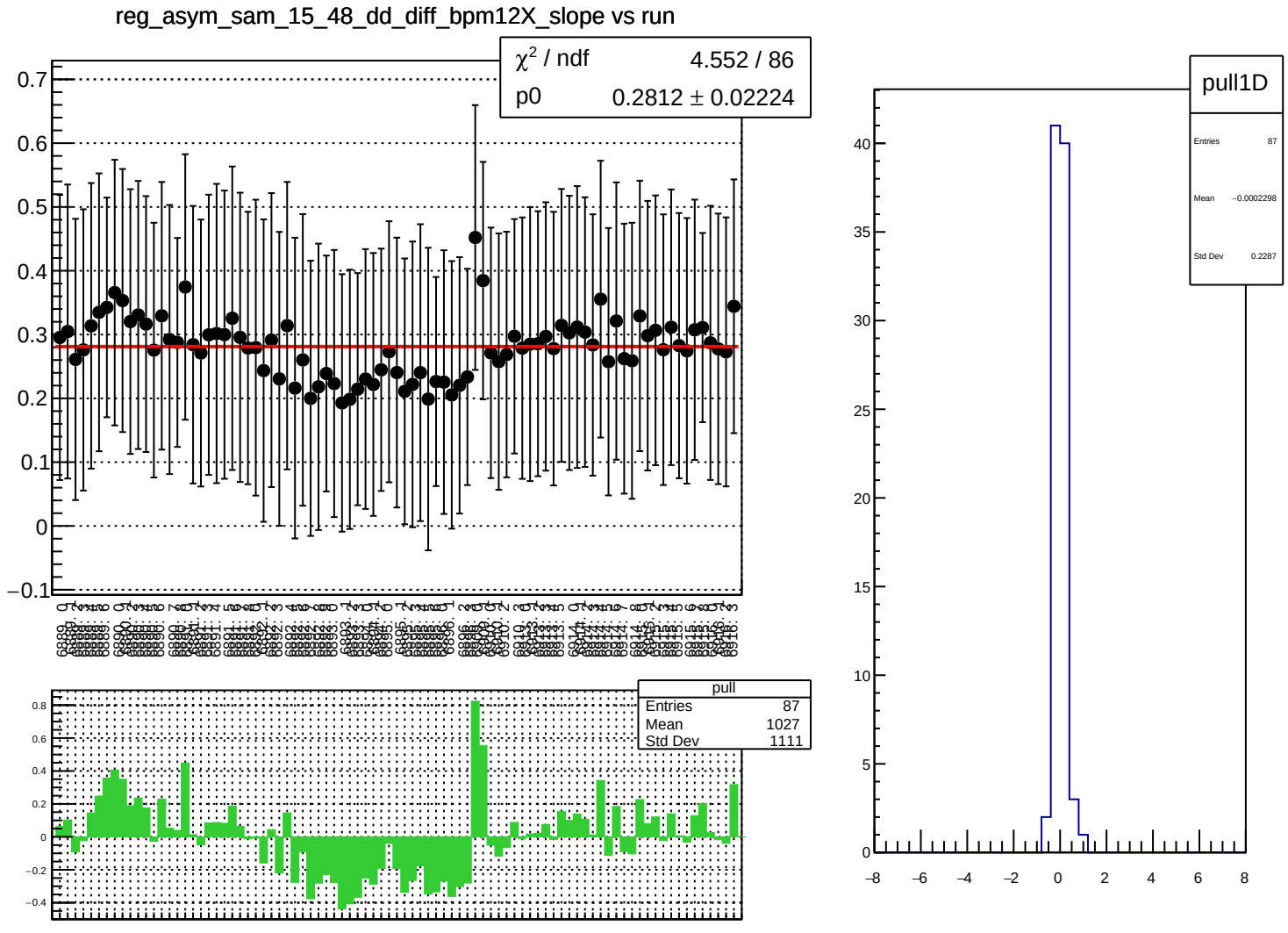

pull1D
Entries 87
Mean 0.06194
Std Dev 0.589

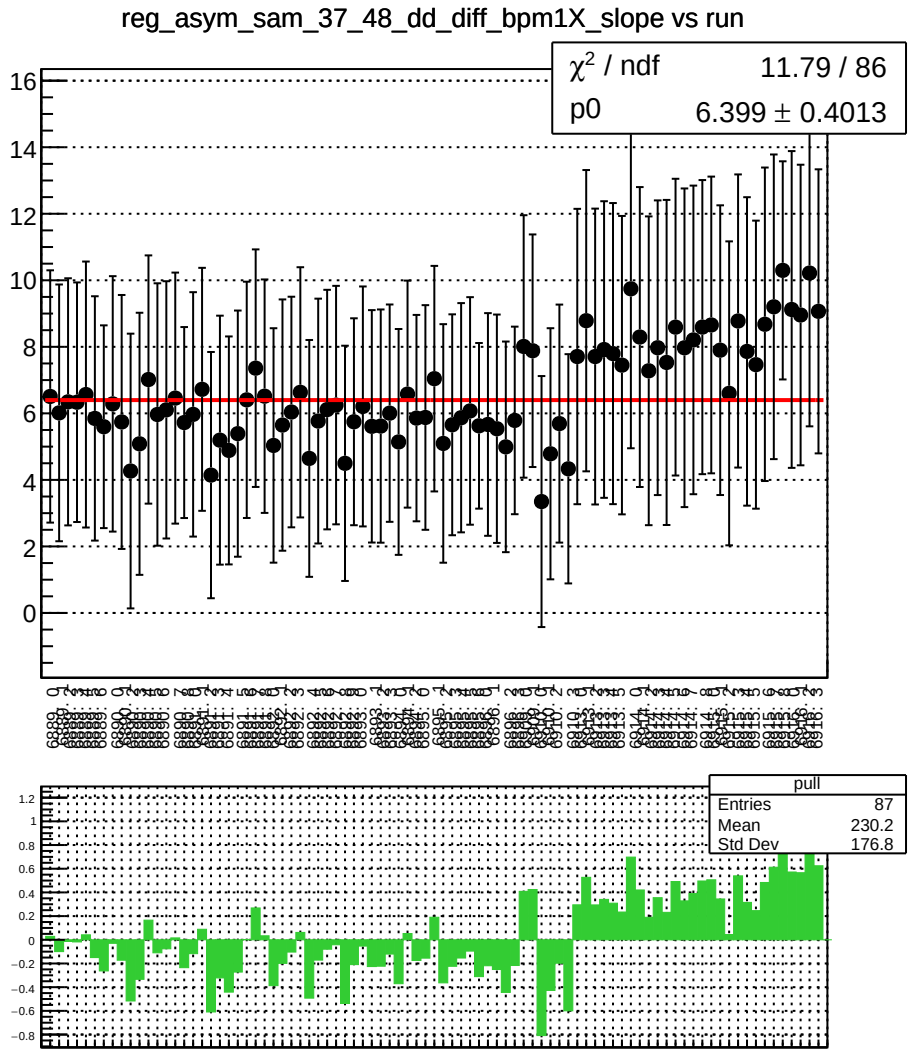

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.07 / 86
p0 5.494 ± 0.428
pull
Entries 87
Mean 275.3
Std Dev 217.2

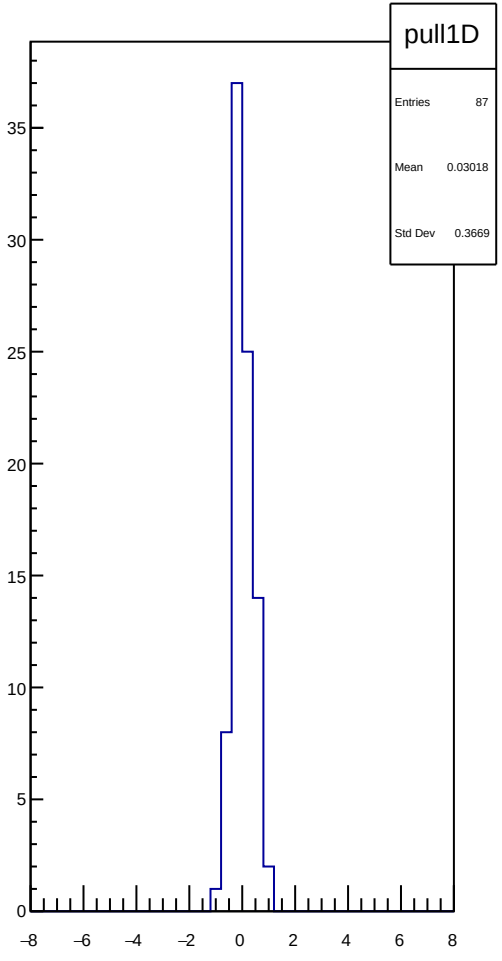

pull1D
Entries 87
Mean −0.01776
Std Dev 0.3563

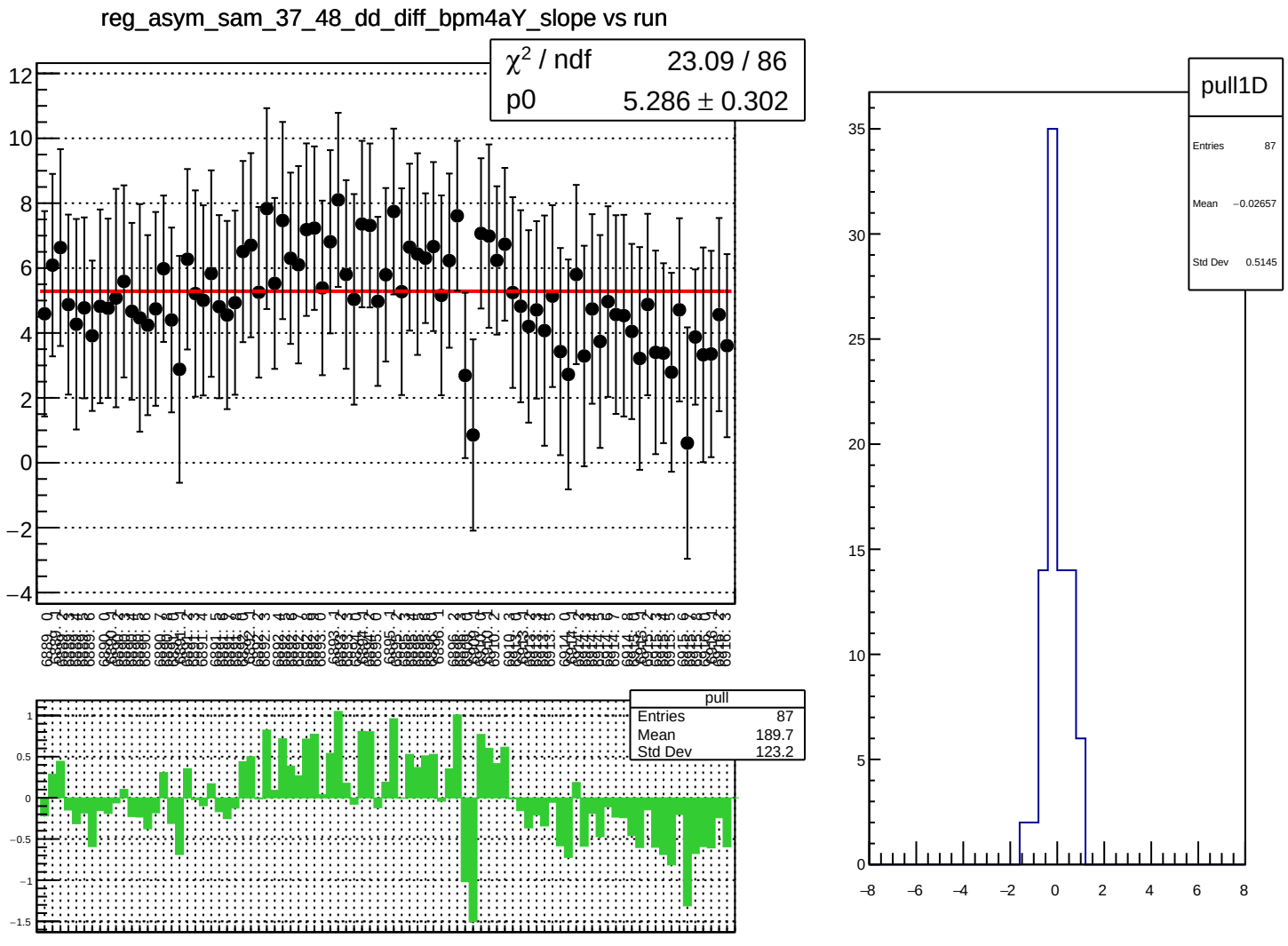

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.55 / 86
p0 46.45 ± 0.546
55
50
45
40
35
pull
Entries 87
Mean 248.3
Std Dev 196.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.05731
Std Dev 0.6544
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

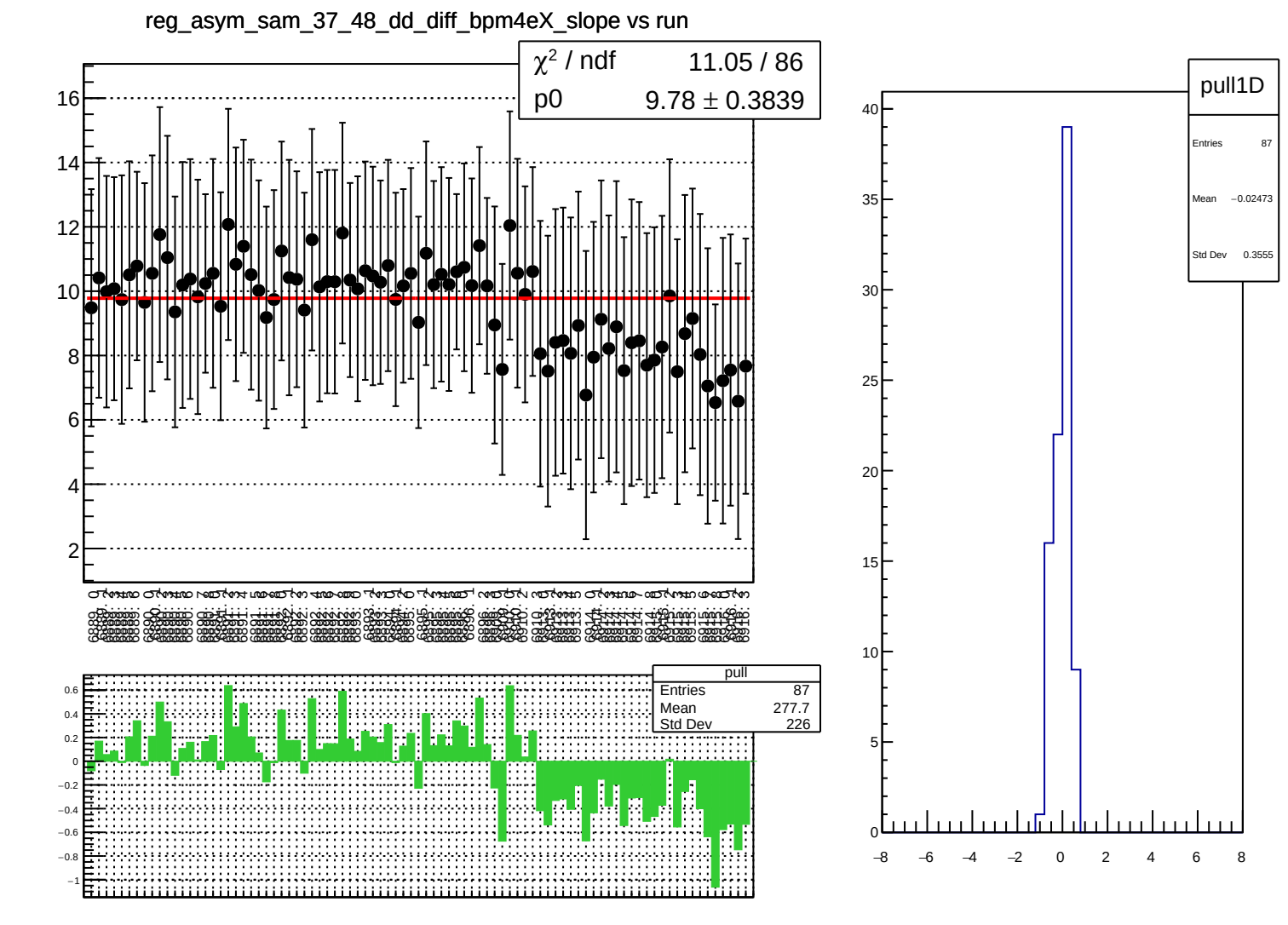

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.18 / 86
p0 −37.6 ± 0.5054
pull
Entries 87
Mean 644
Std Dev 585.9
pull1D
Entries 87
Mean 0.008805
Std Dev 0.4695

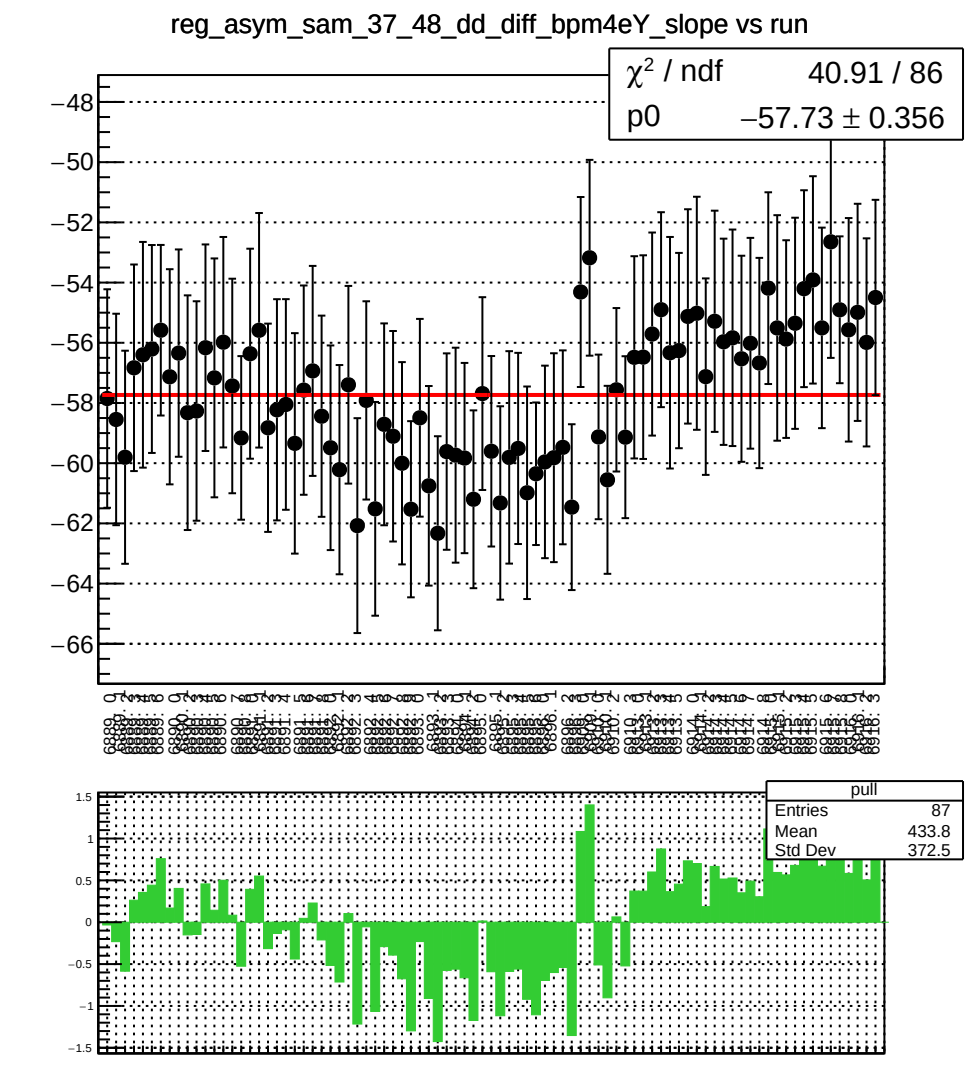

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.552 / 86
p0 0.2812 ± 0.02224
pull
Entries 87
Mean 1027
Std Dev 1111
pull1D
Entries 87
Mean −0.0002298
Std Dev 0.2287

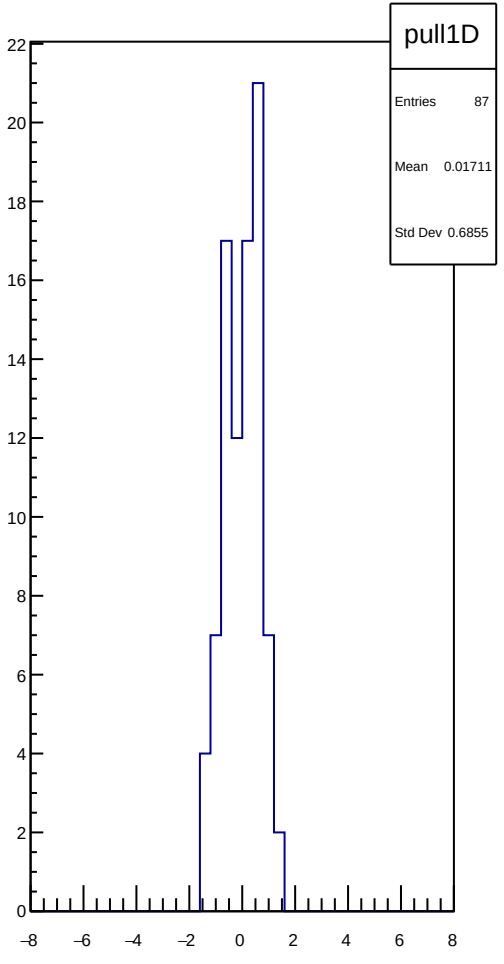

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 11.79 / 86
p0 6.399 ± 0.4013
pull
Entries 87
Mean 230.2
Std Dev 176.8

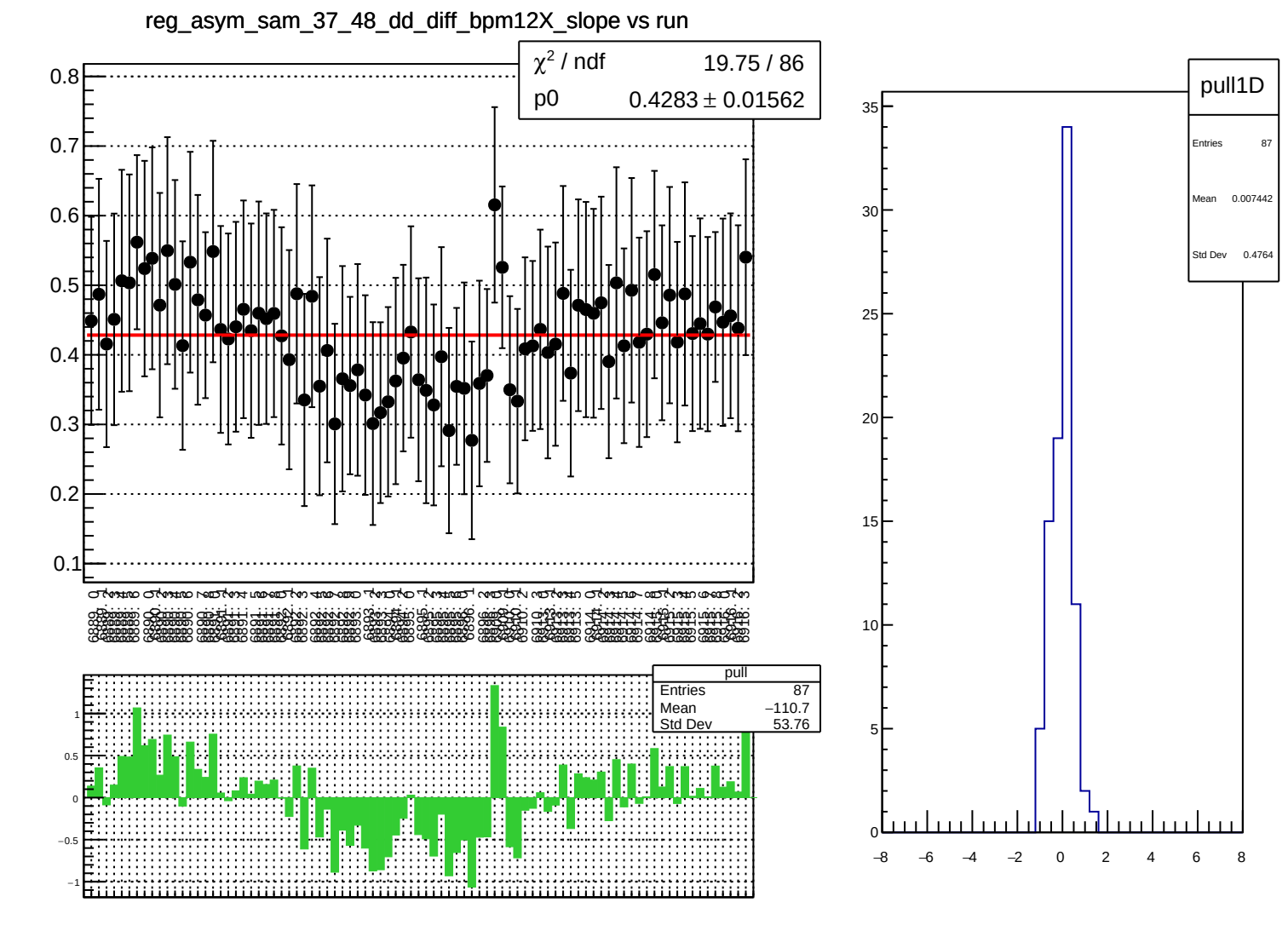

pull1D
Entries 87
Mean 0.03018
Std Dev 0.3669

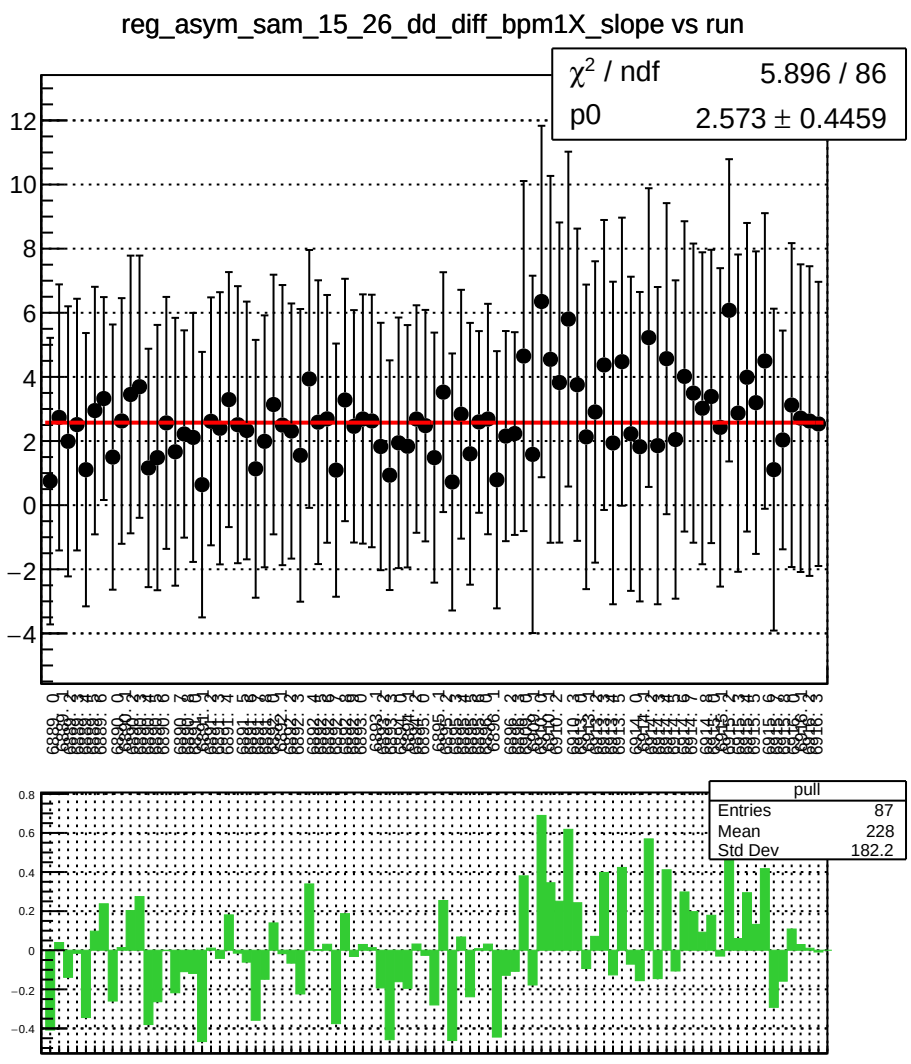

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.09 / 86
p0 5.286 ± 0.302
pull
Entries 87
Mean 189.7
Std Dev 123.2
pull1D
Entries 87
Mean −0.02657
Std Dev 0.5145

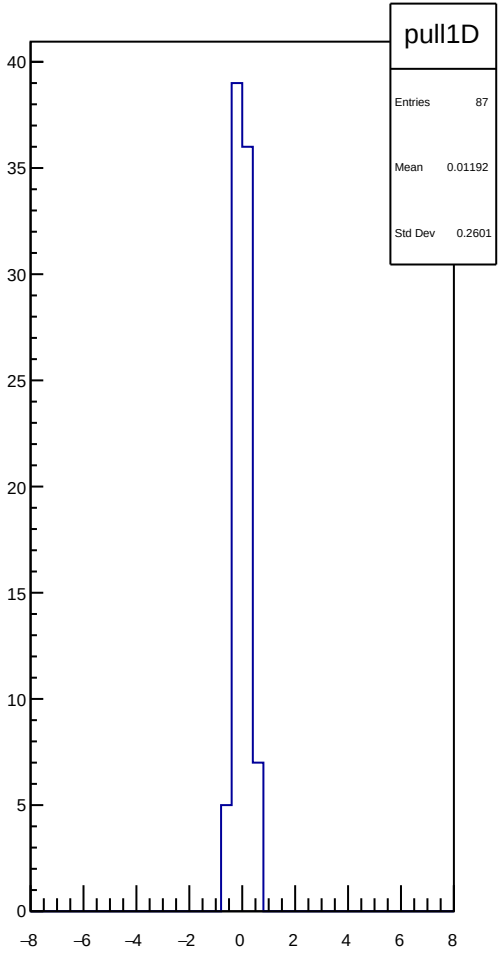

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.05 / 86
p0 9.78 ± 0.3839
pull
Entries 87
Mean 277.7
Std Dev 226
pull1D
Entries 87
Mean −0.02473
Std Dev 0.3555

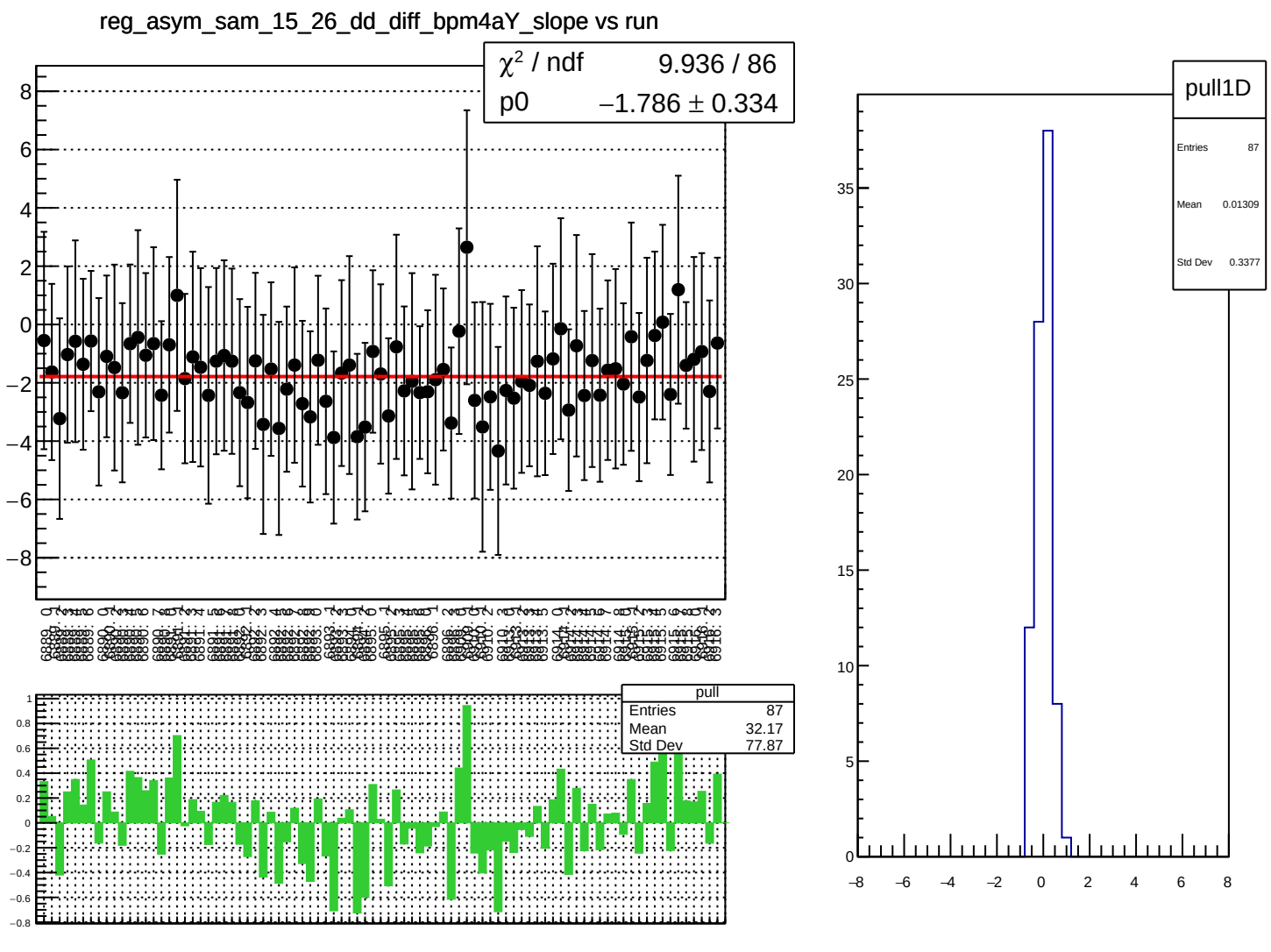

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.91 / 86
p0 −57.73 ± 0.356
pull
Entries 87
Mean 433.8
Std Dev 372.5

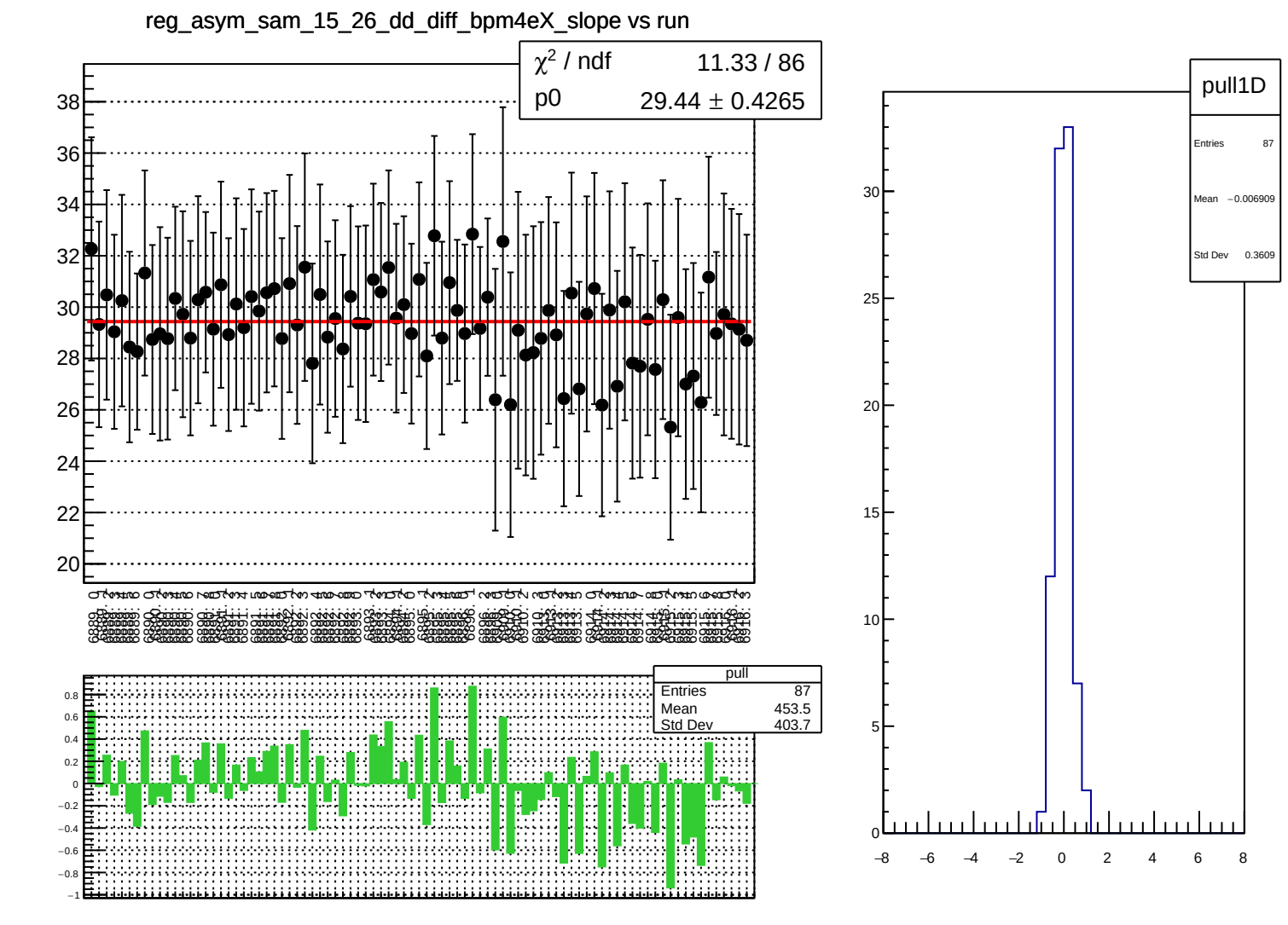

pull1D
Entries 87
Mean 0.01711
Std Dev 0.6855

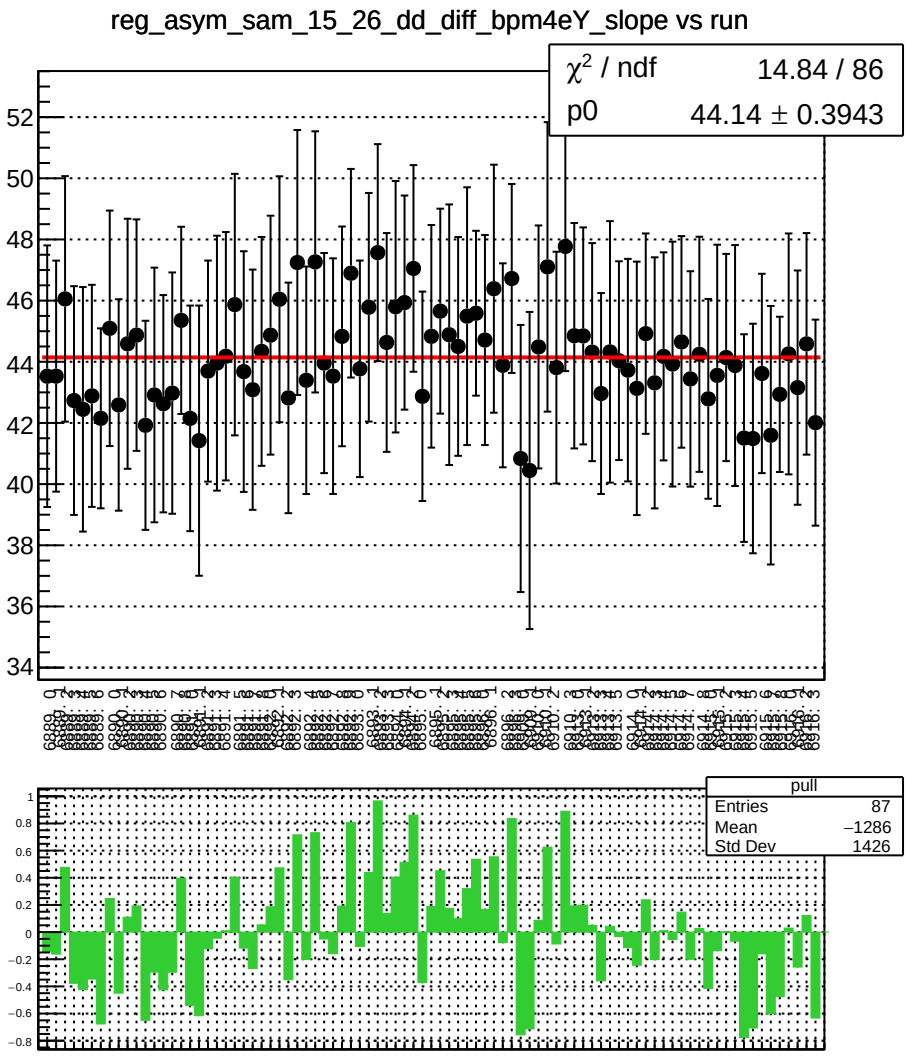

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.75 / 86
p0 0.4283 ± 0.01562
pull
Entries 87
Mean −110.7
Std Dev 53.76
pull1D
Entries 87
Mean 0.007442
Std Dev 0.4764

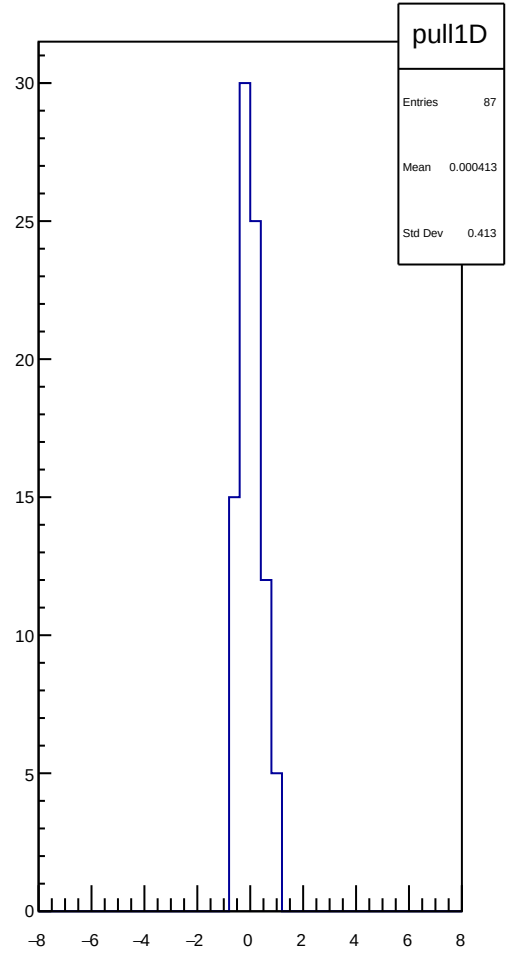

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.896 / 86
p0 2.573 ± 0.4459
pull
Entries 87
Mean 228
Std Dev 182.2

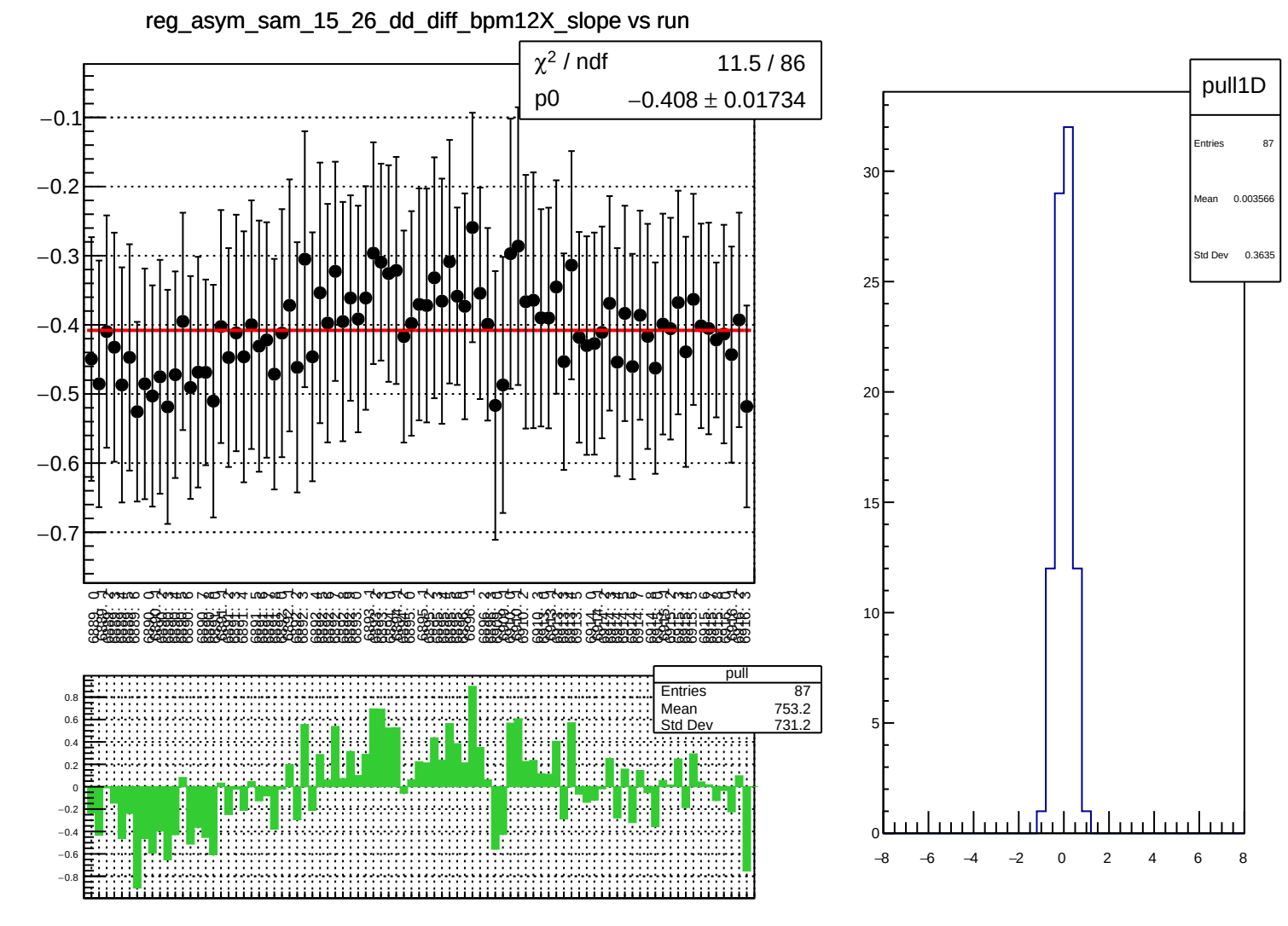

pull1D
Entries 87
Mean 0.01192
Std Dev 0.2601

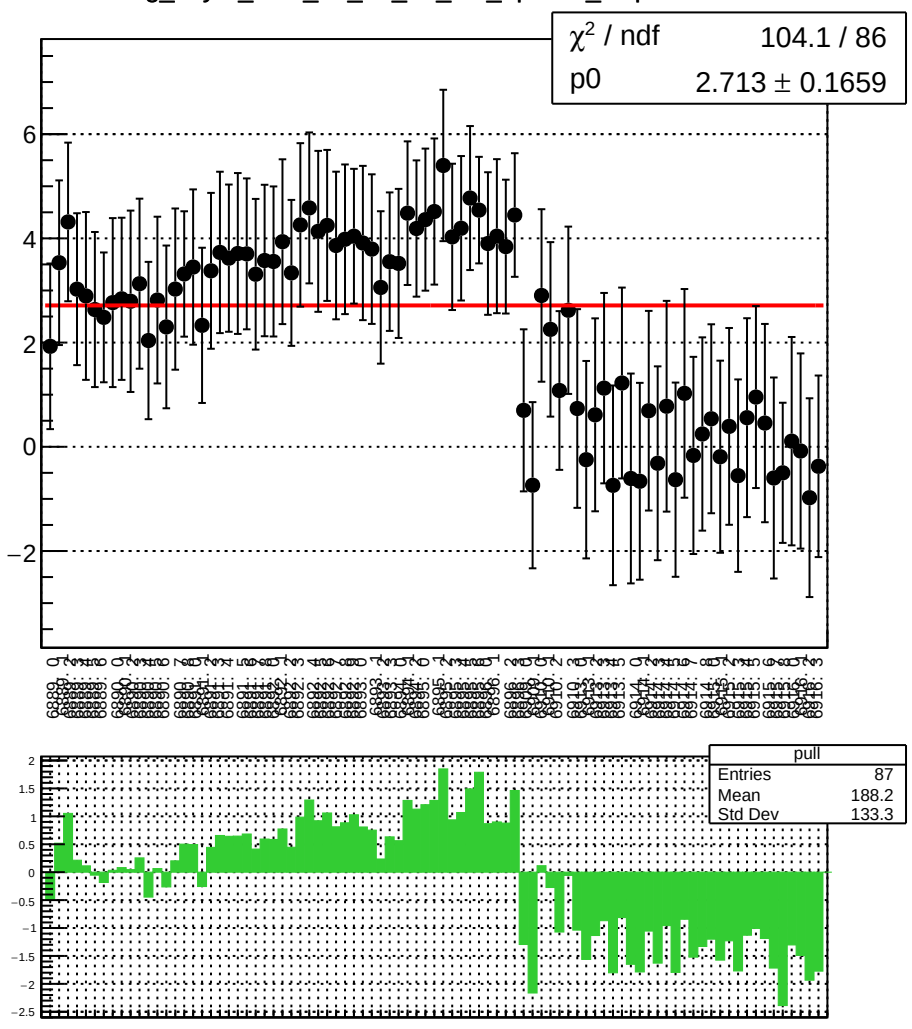

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.936 / 86
p0 −1.786 ± 0.334
pull
Entries 87
Mean 32.17
Std Dev 77.87
pull1D
Entries 87
Mean 0.01309
Std Dev 0.3377

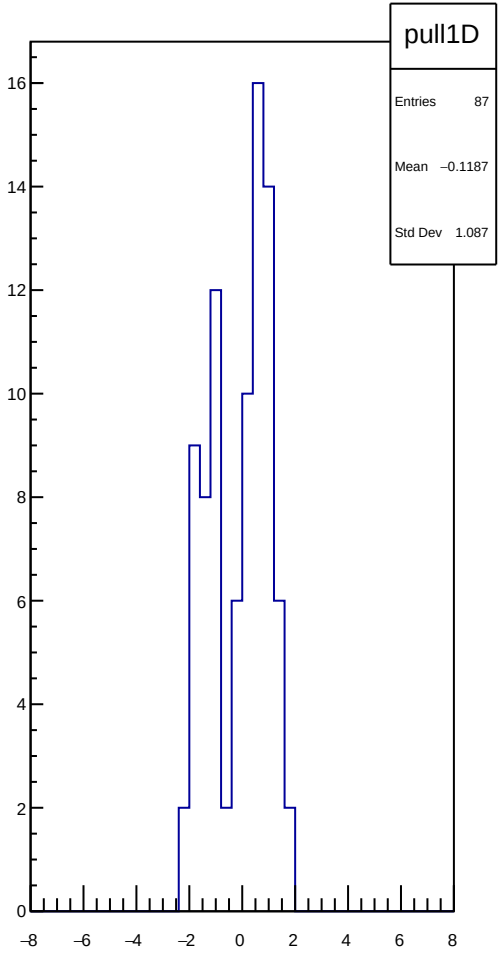

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.33 / 86
p0 29.44 ± 0.4265
pull
Entries 87
Mean 453.5
Std Dev 403.7
pull1D
Entries 87
Mean −0.006909
Std Dev 0.3609

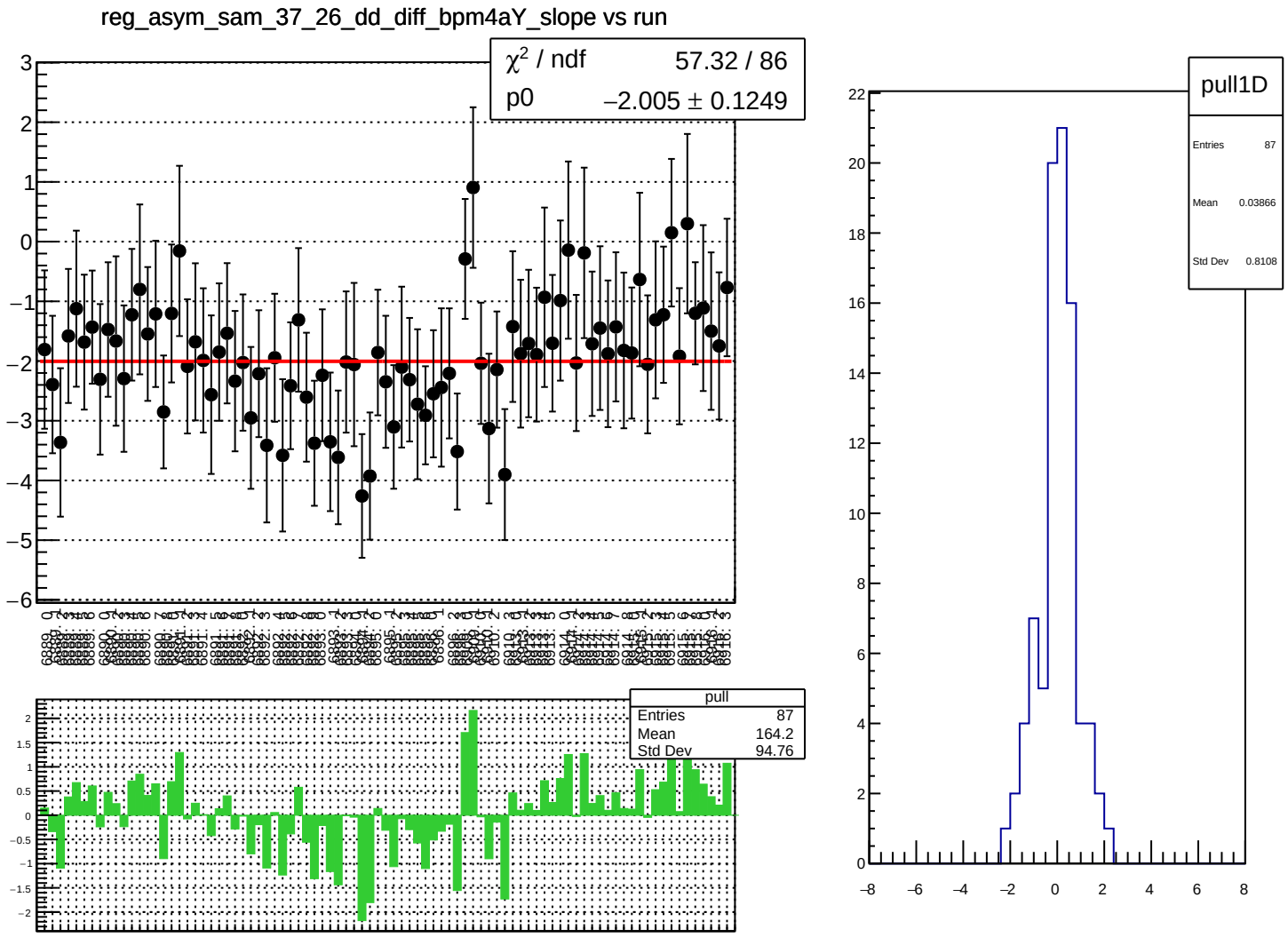

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.84 / 86
p0 44.14 ± 0.3943
pull
Entries 87
Mean −1286
Std Dev 1426

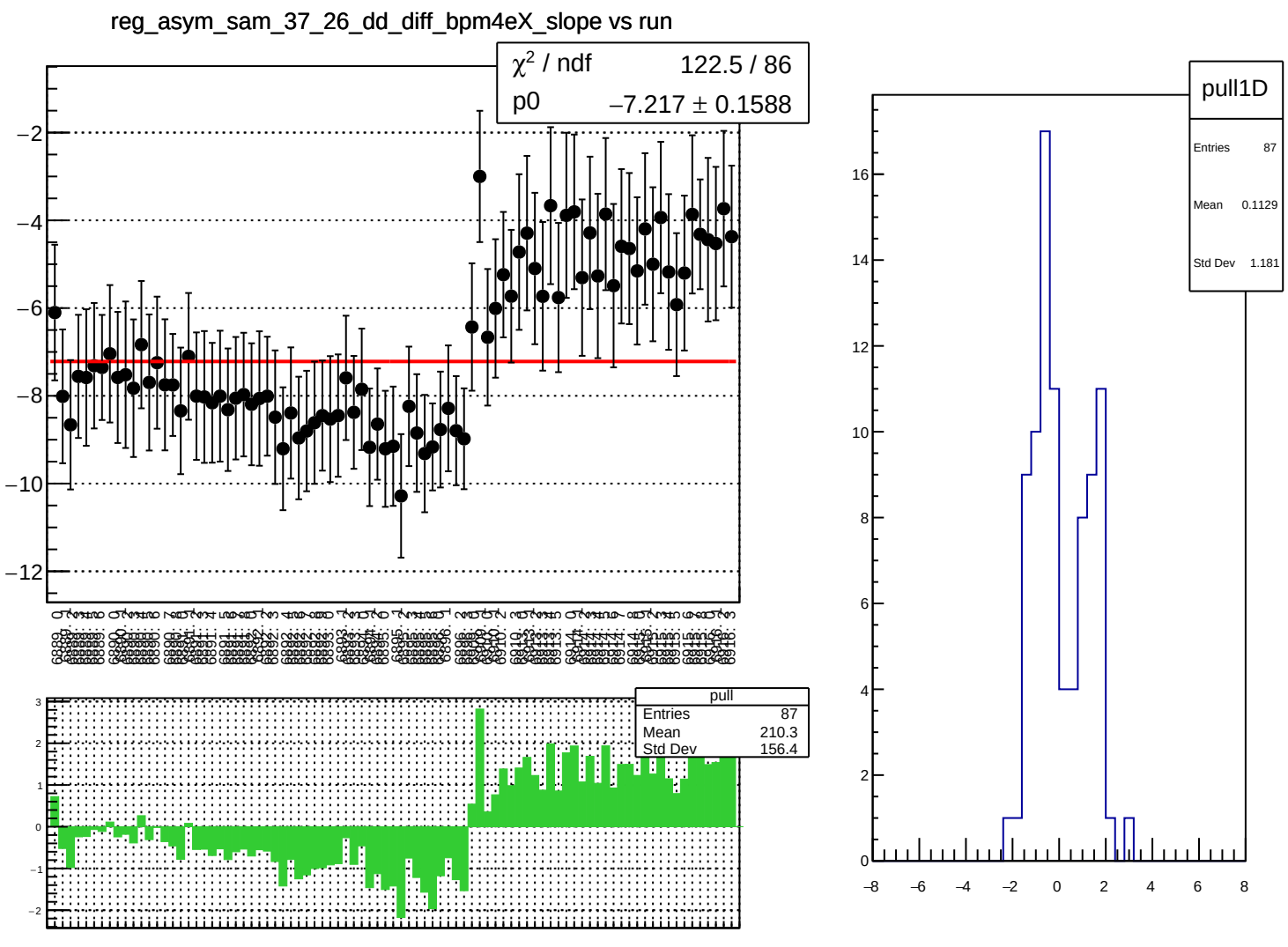

pull1D
Entries 87
Mean 0.000413
Std Dev 0.413

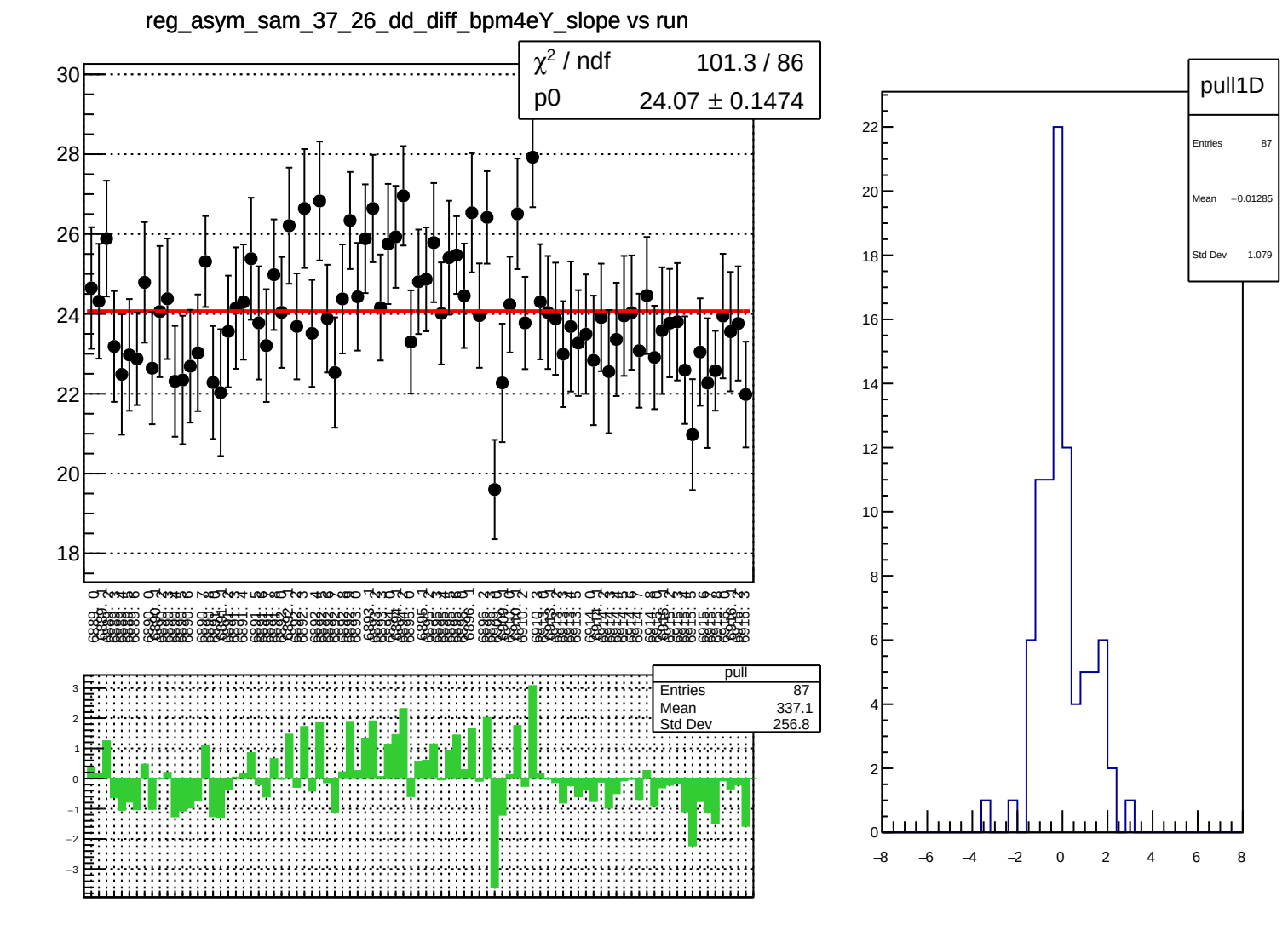

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.5 / 86
p0 −0.408 ± 0.01734
pull
Entries 87
Mean 753.2
Std Dev 731.2
pull1D
Entries 87
Mean 0.003566
Std Dev 0.3635

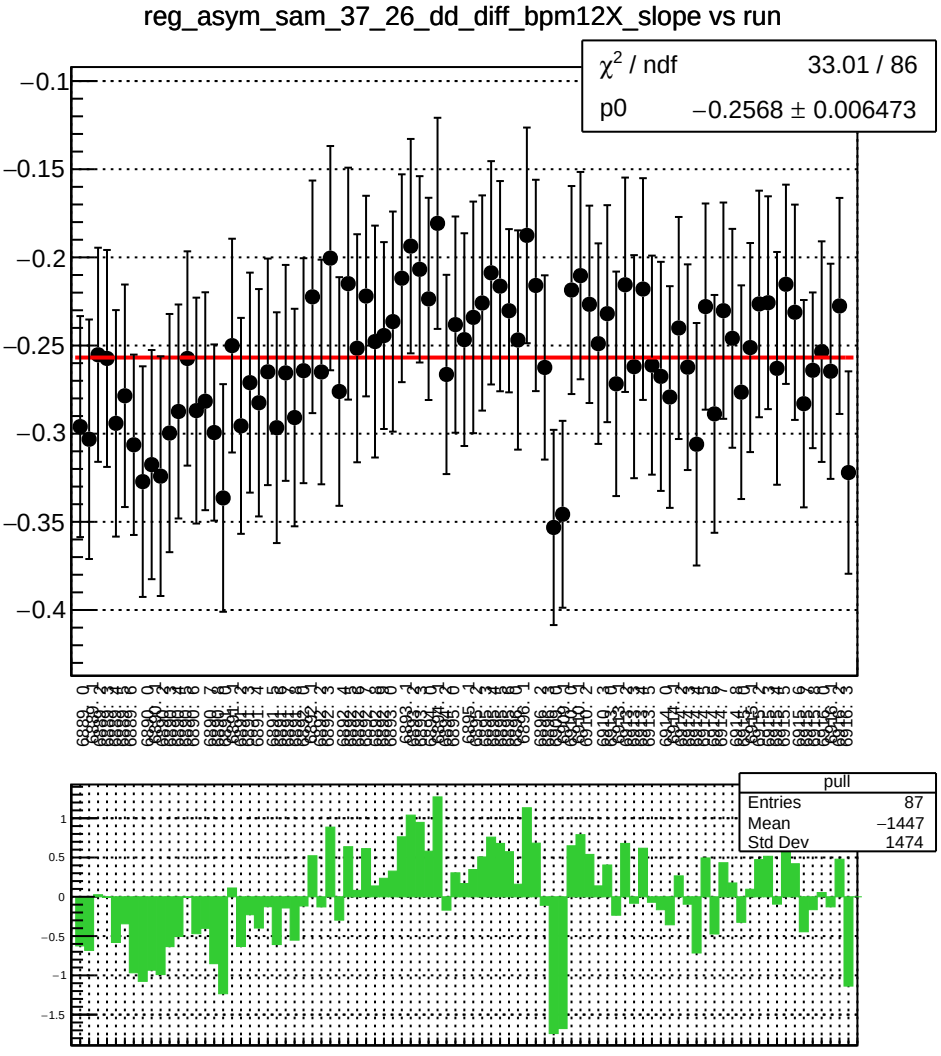

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 104.1 / 86
p0 2.713 ± 0.1659
pull
Entries 87
Mean 188.2
Std Dev 133.3

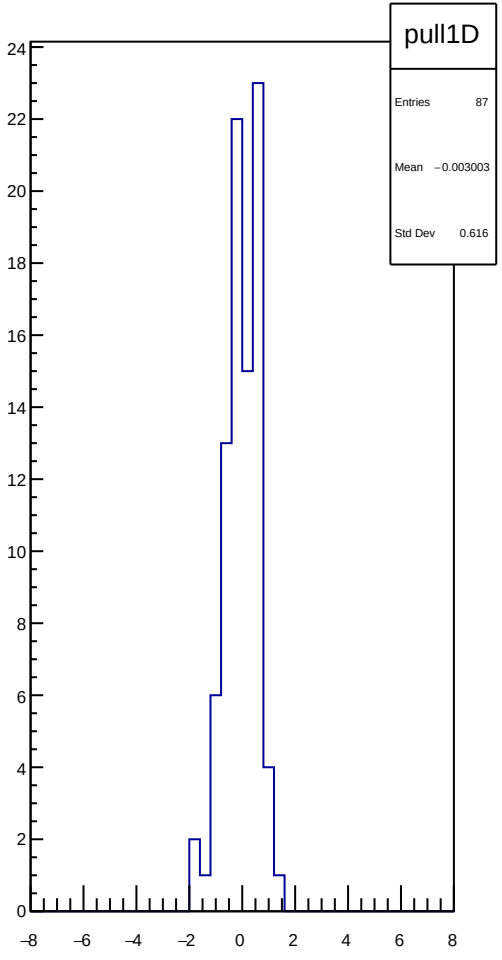

pull1D
Entries 87
Mean −0.1187
Std Dev 1.087

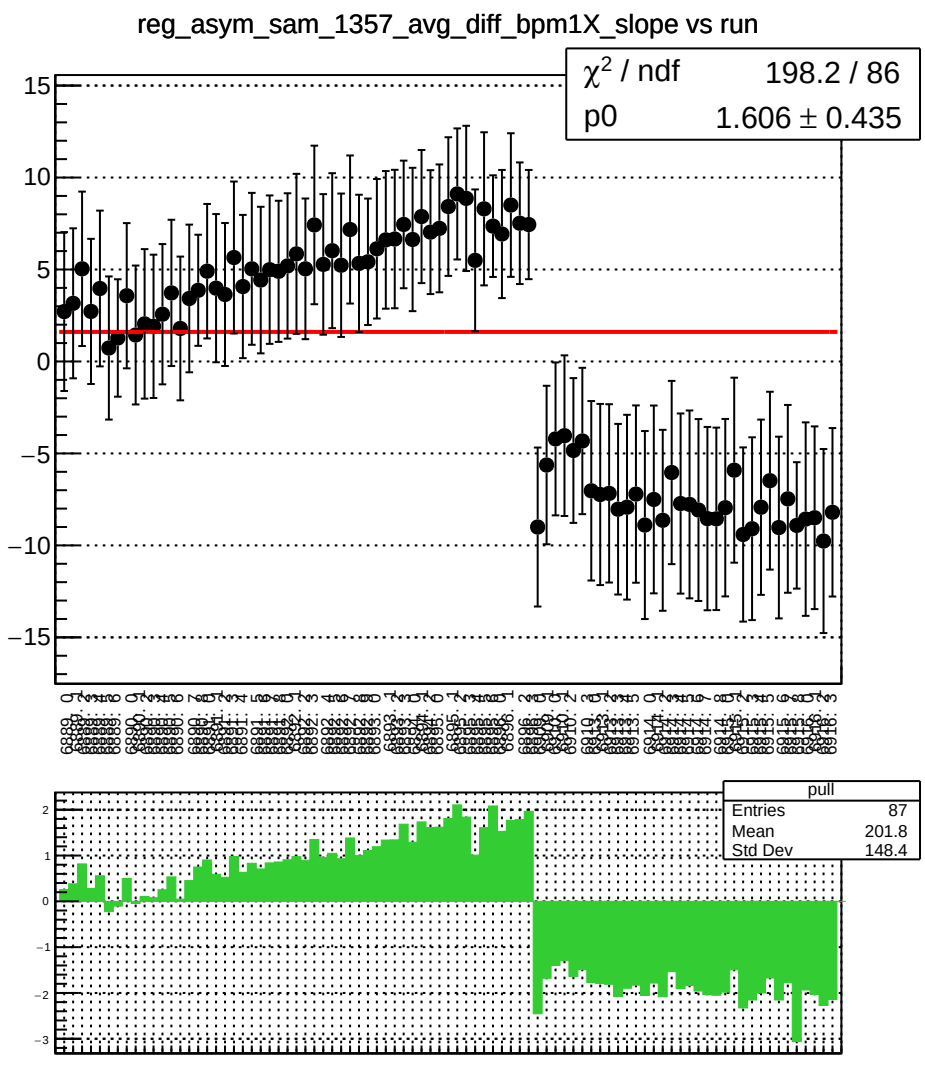

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.32 / 86
p0 −2.005 ± 0.1249
pull
Entries 87
Mean 164.2
Std Dev 94.76
pull1D
Entries 87
Mean 0.03866
Std Dev 0.8108

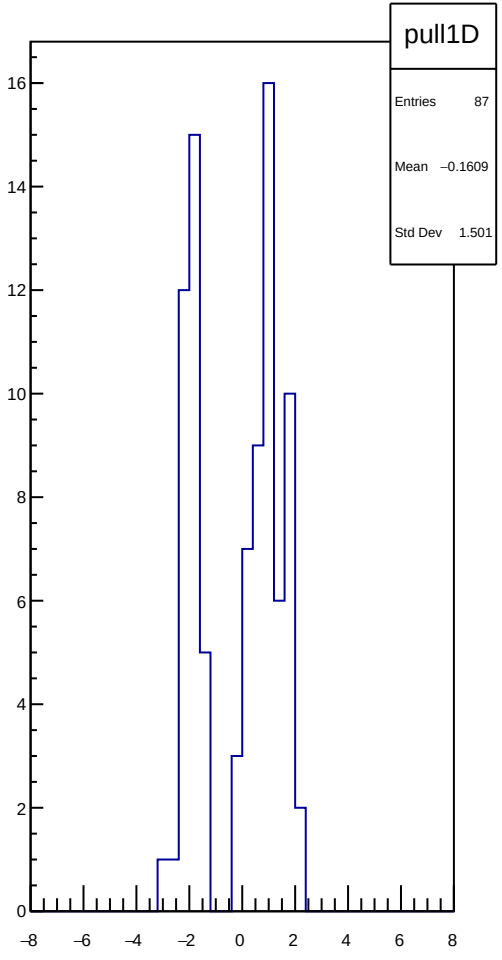

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 122.5 / 86
p0 −7.217 ± 0.1588
pull
Entries 87
Mean 210.3
Std Dev 156.4
pull1D
Entries 87
Mean 0.1129
Std Dev 1.181

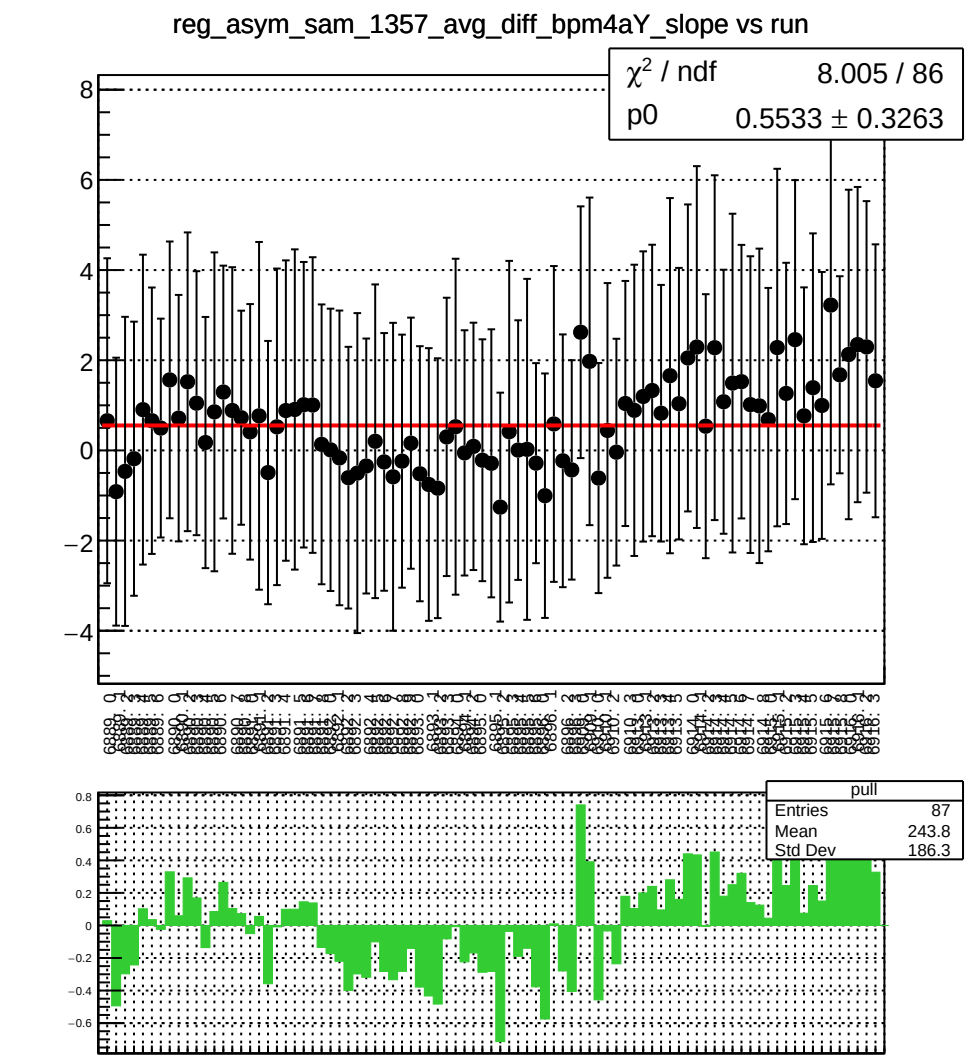

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 101.3 / 86
p0 24.07 ± 0.1474
pull
Entries 87
Mean 337.1
Std Dev 256.8
pull1D
Entries 87
Mean −0.01285
Std Dev 1.079

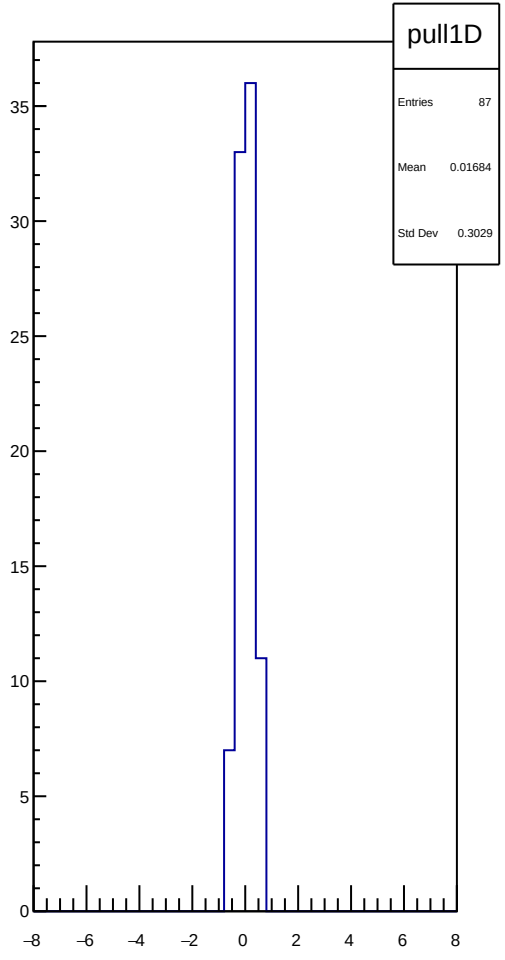

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 33.01 / 86
p0 −0.2568 ± 0.006473
pull
Entries 87
Mean −1447
Std Dev 1474

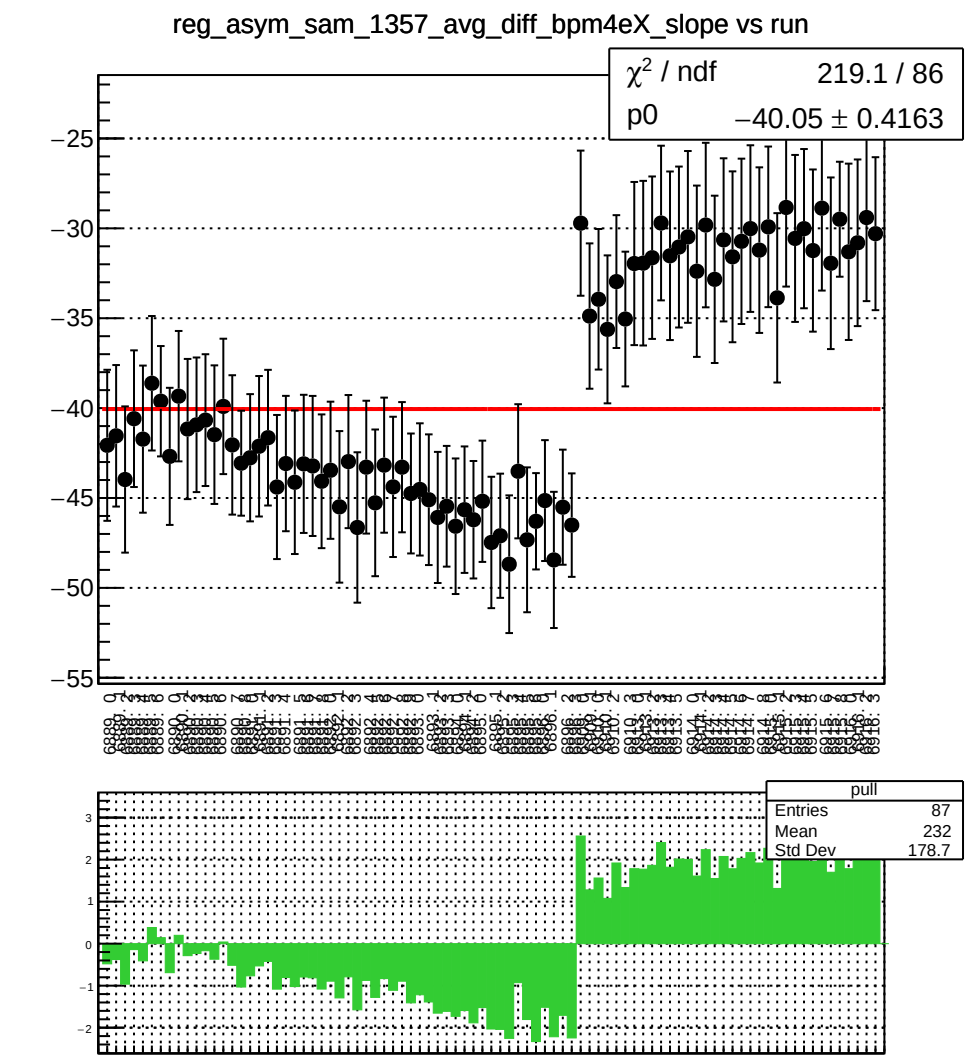

pull1D
Entries 87
Mean −0.003003
Std Dev 0.616

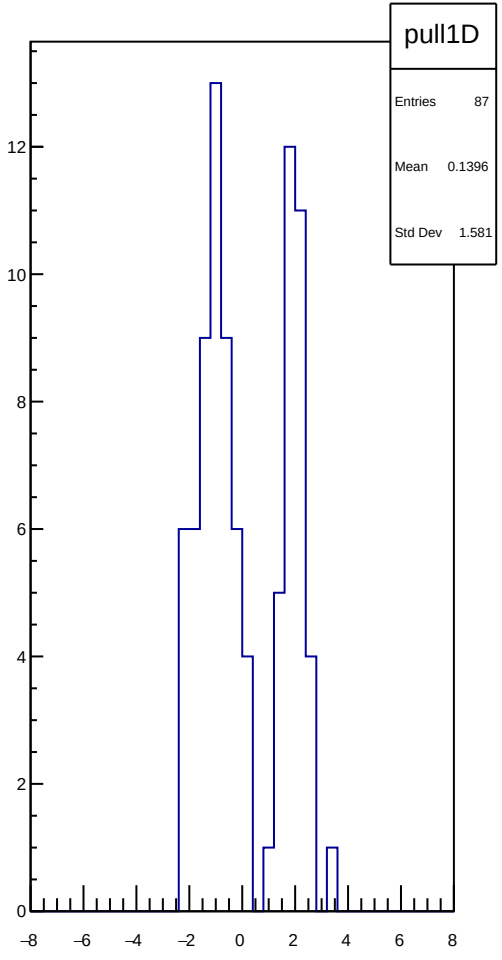

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 198.2 / 86
p0 1.606 ± 0.435
pull
Entries 87
Mean 201.8
Std Dev 148.4

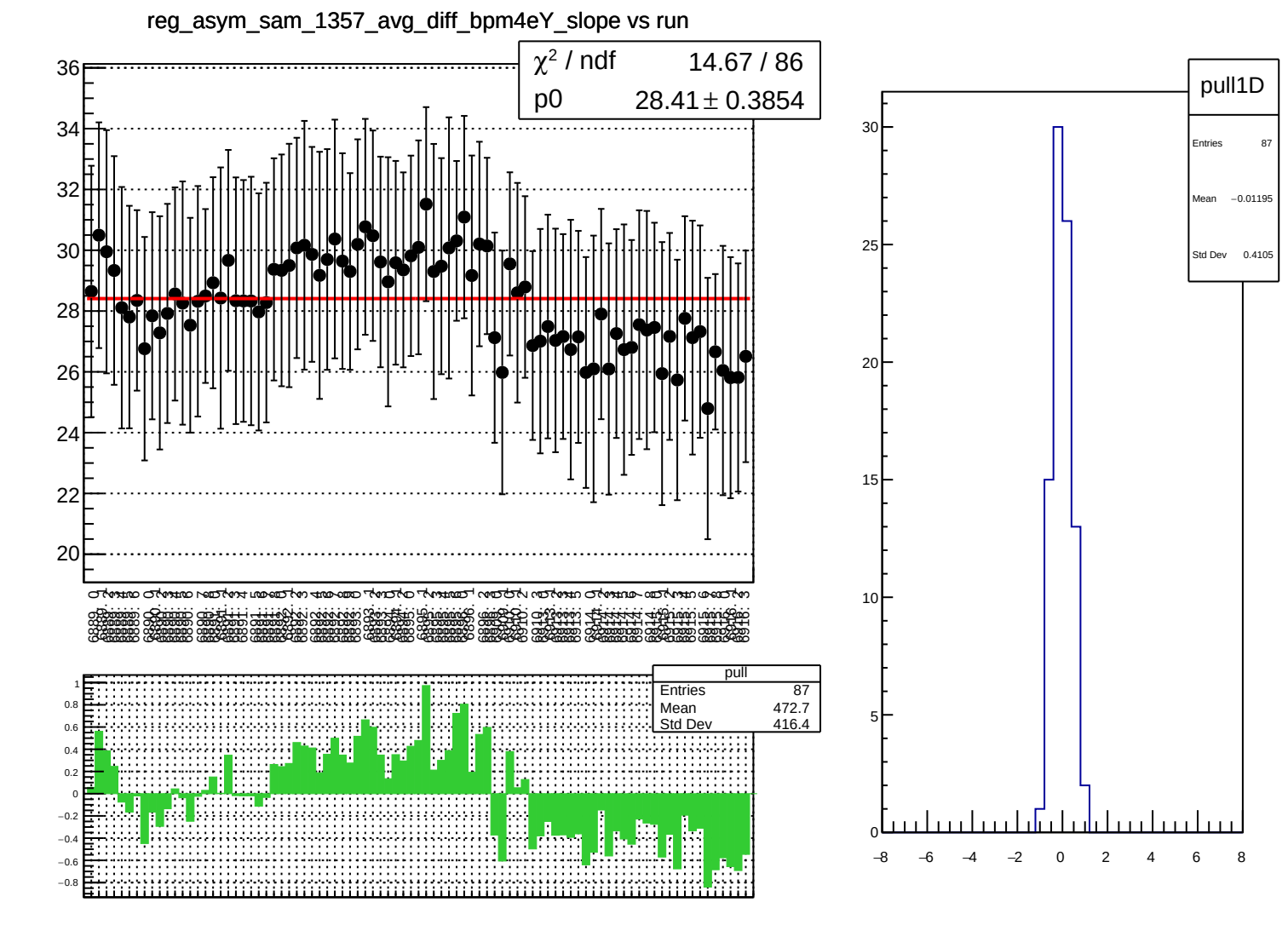

pull1D
Entries 87
Mean −0.1609
Std Dev 1.501

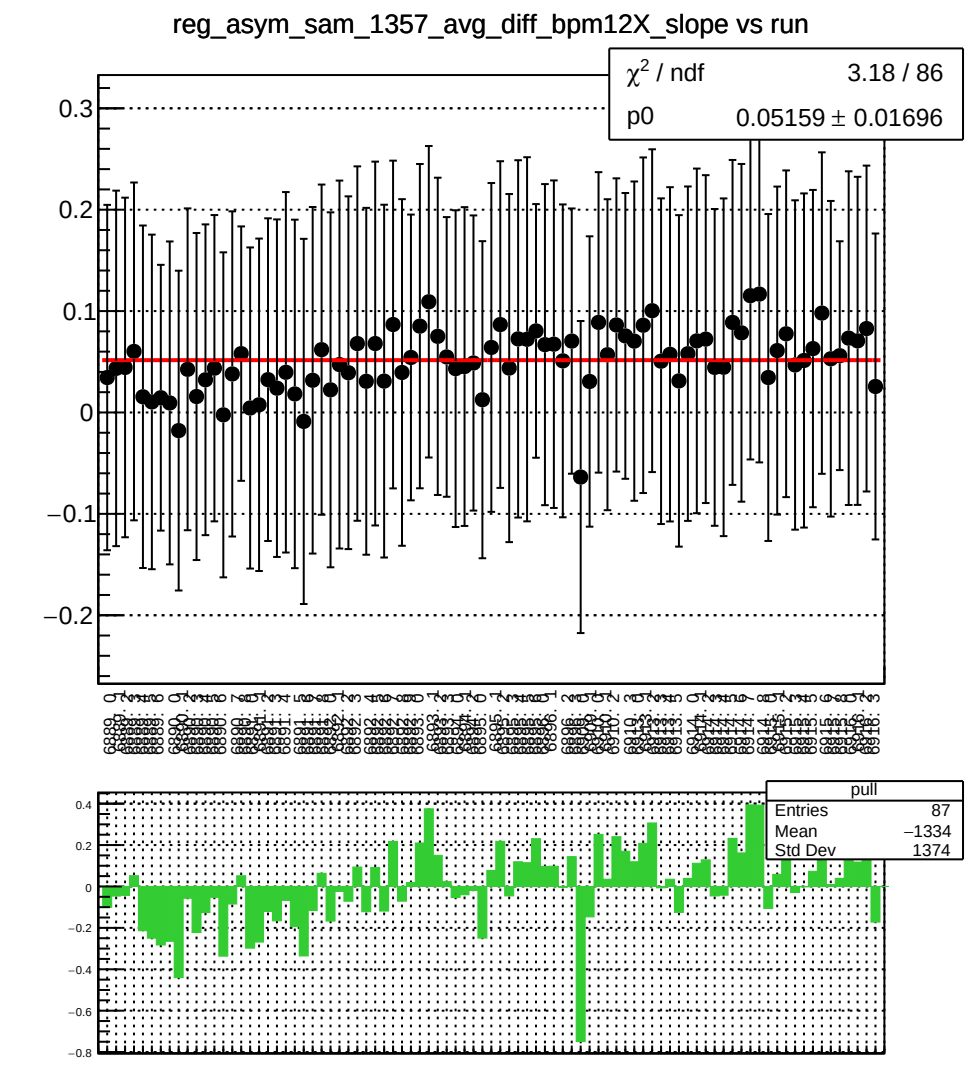

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.005 / 86
p0 0.5533 ± 0.3263
pull
Entries 87
Mean 243.8
Std Dev 186.3

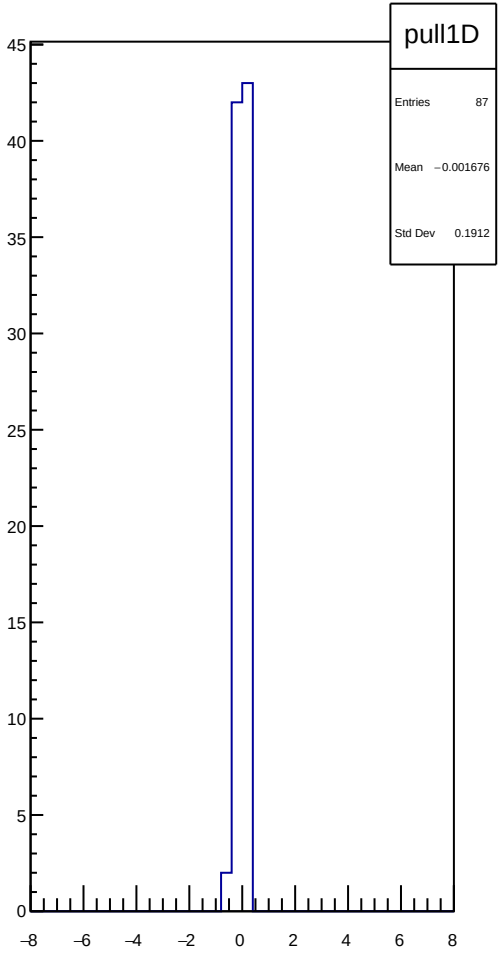

pull1D
Entries 87
Mean 0.01684
Std Dev 0.3029

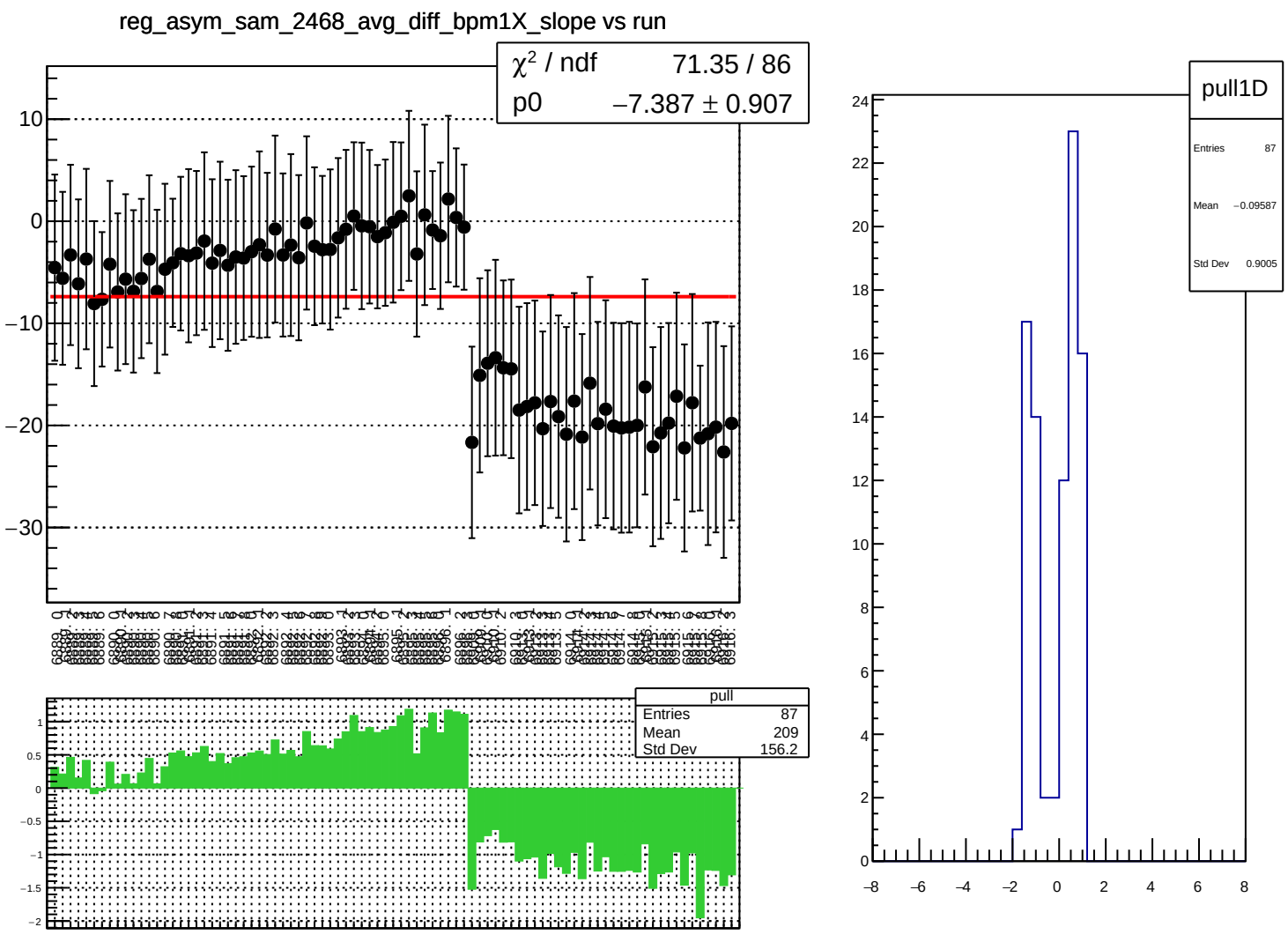

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.1 / 86
p0 −40.05 ± 0.4163
pull
Entries 87
Mean 232
Std Dev 178.7

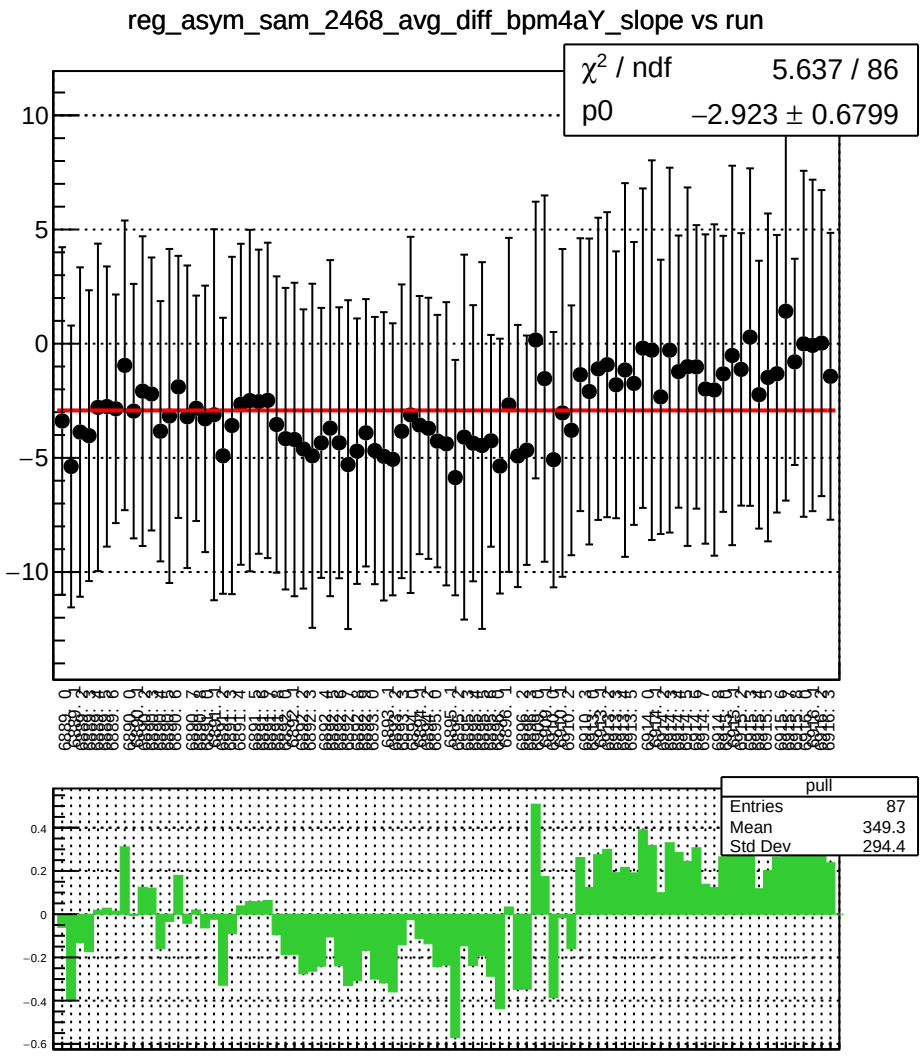

pull1D
Entries 87
Mean 0.1396
Std Dev 1.581

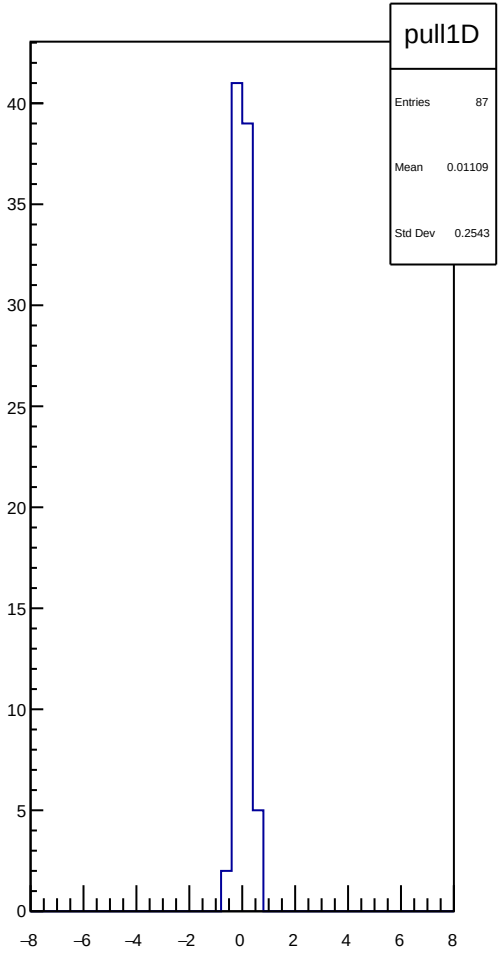

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.67 / 86
p0 28.41 ± 0.3854
pull
Entries 87
Mean 472.7
Std Dev 416.4
pull1D
Entries 87
Mean −0.01195
Std Dev 0.4105

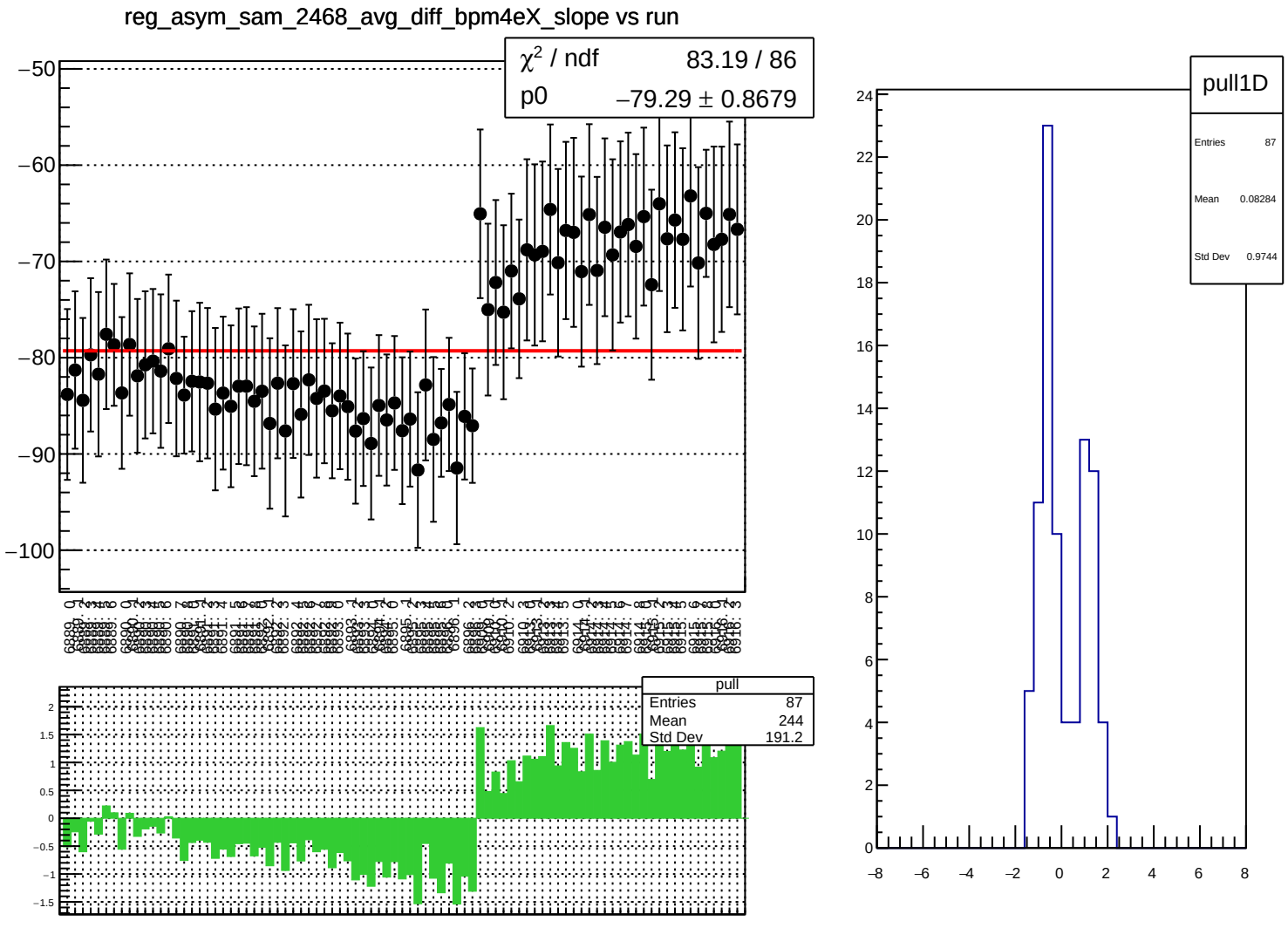

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.18 / 86
p0 0.05159 ± 0.01696
pull
Entries 87
Mean −1334
Std Dev 1374

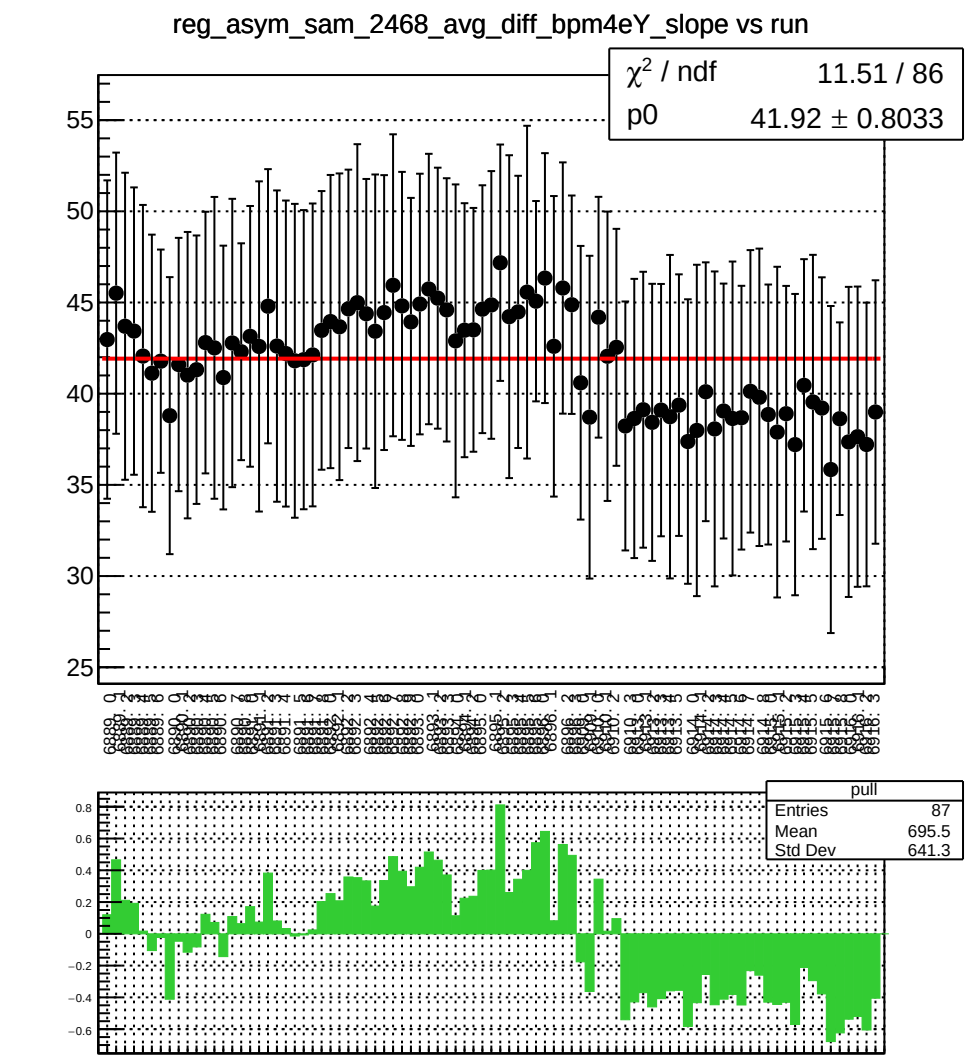

pull1D
Entries 87
Mean −0.001676
Std Dev 0.1912

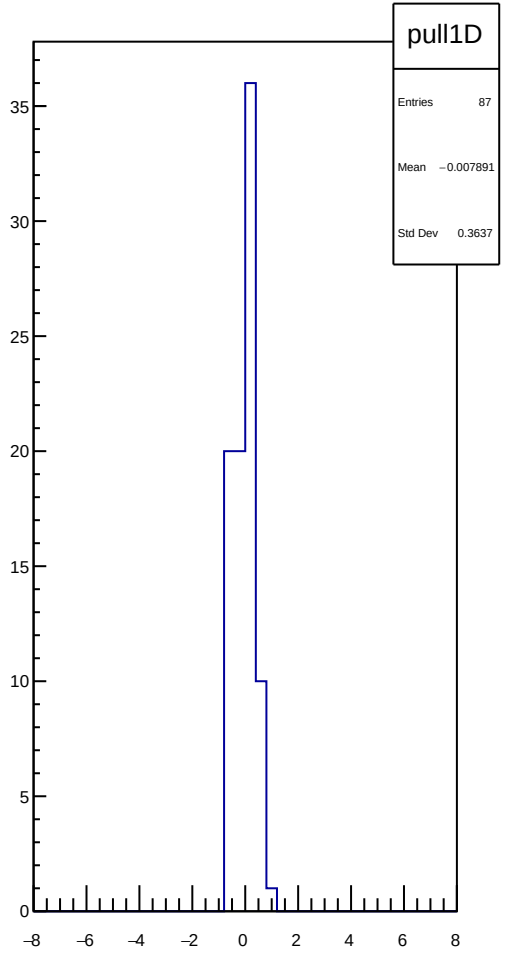

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 71.35 / 86
p0 −7.387 ± 0.907
pull
Entries 87
Mean 209
Std Dev 156.2
pull1D
Entries 87
Mean −0.09587
Std Dev 0.9005

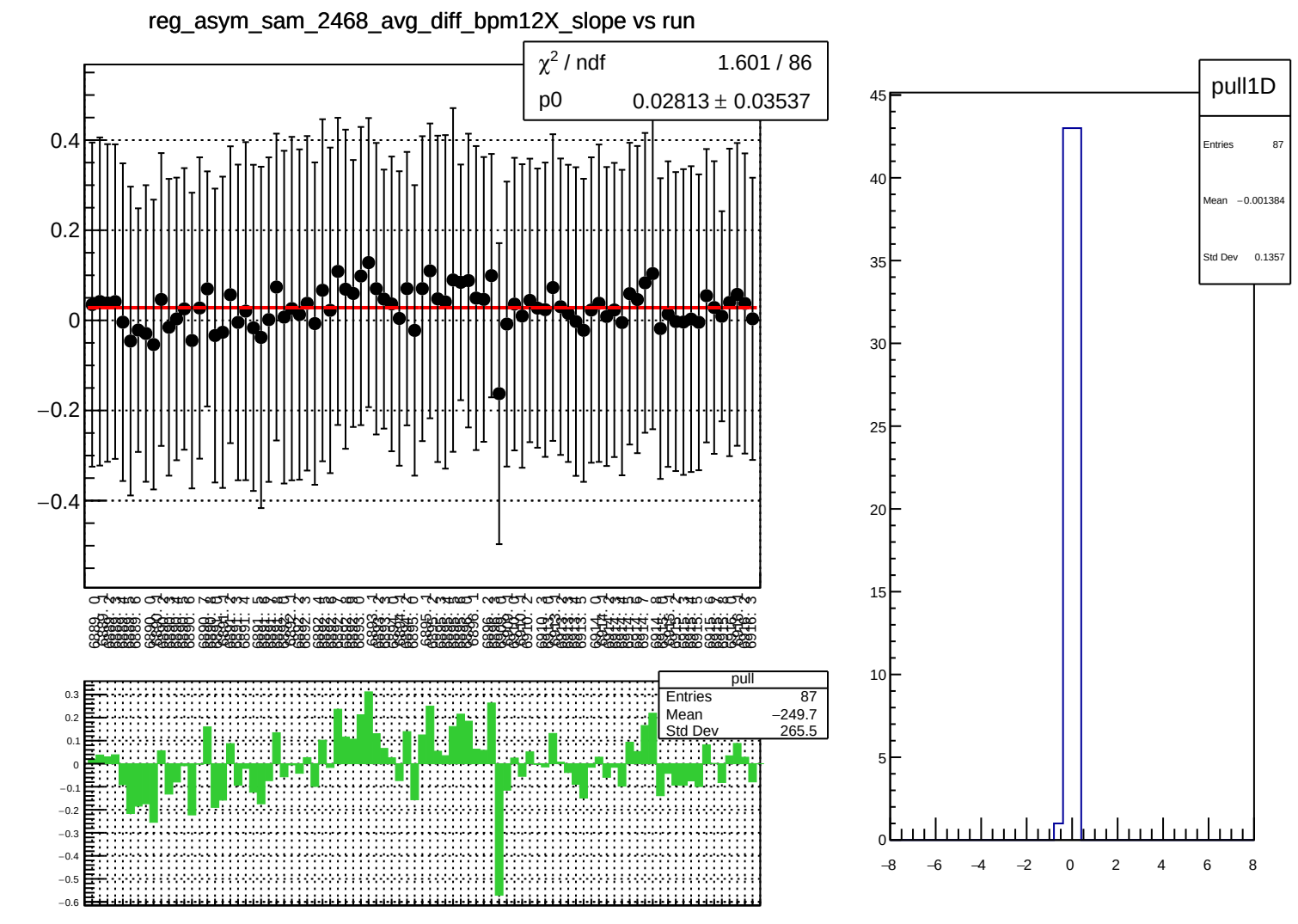

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.637 / 86
p0 −2.923 ± 0.6799
pull
Entries 87
Mean 349.3
Std Dev 294.4

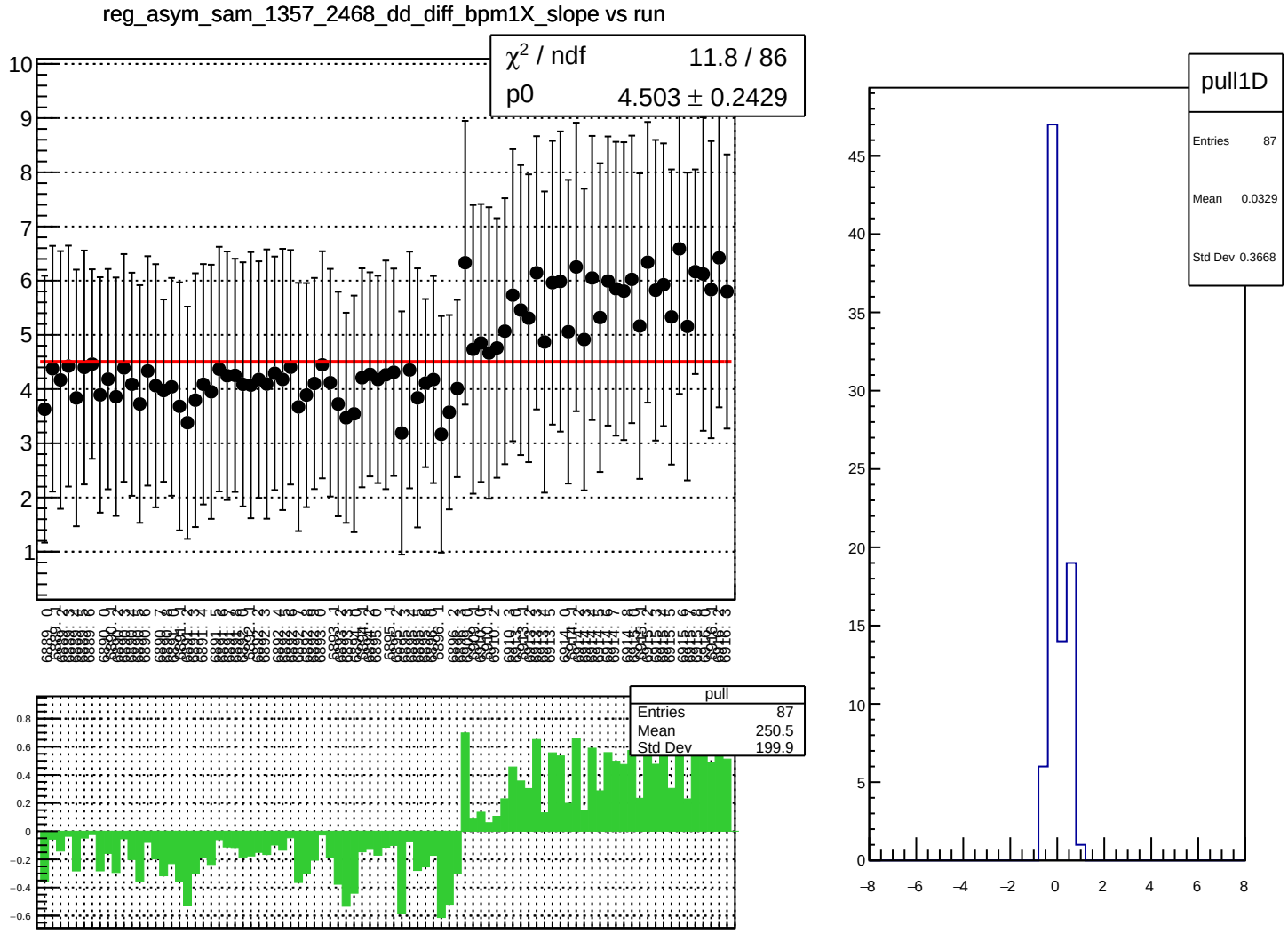

pull1D
Entries 87
Mean 0.01109
Std Dev 0.2543

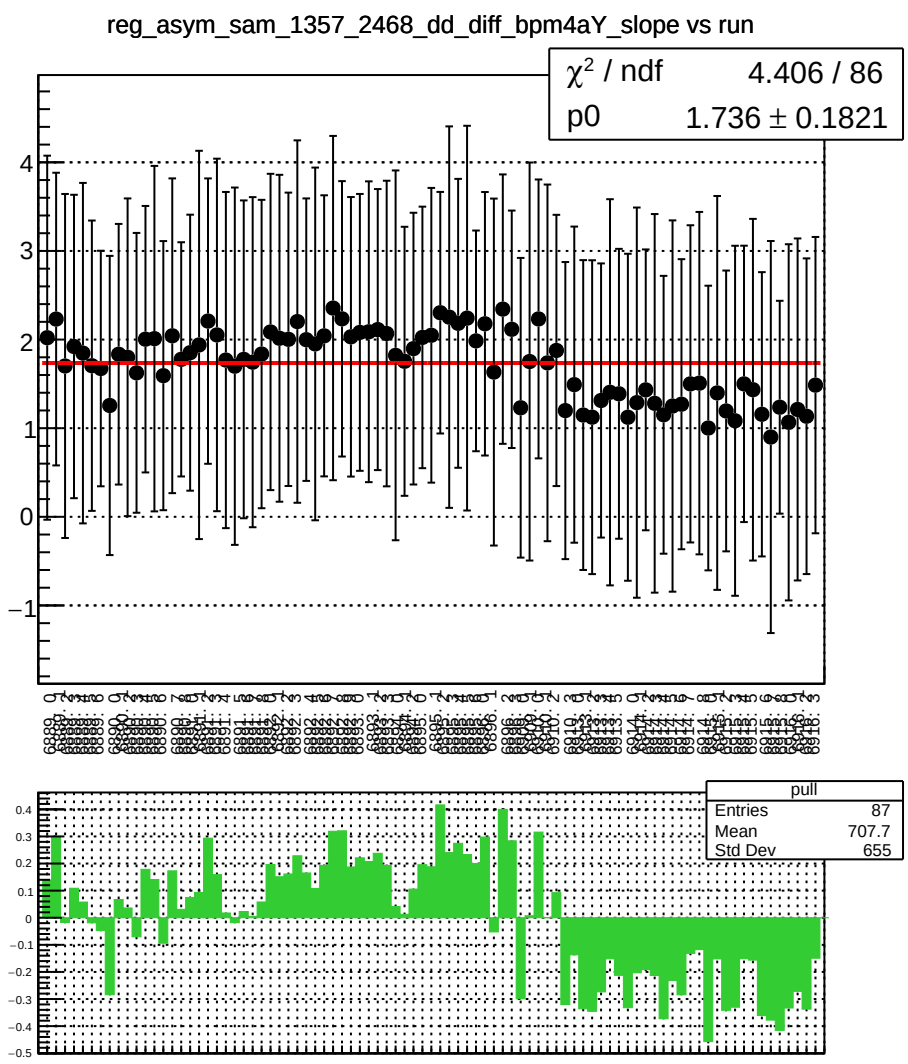

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.19 / 86
p0 −79.29 ± 0.8679
pull
Entries 87
Mean 244
Std Dev 191.2
pull1D
Entries 87
Mean 0.08284
Std Dev 0.9744

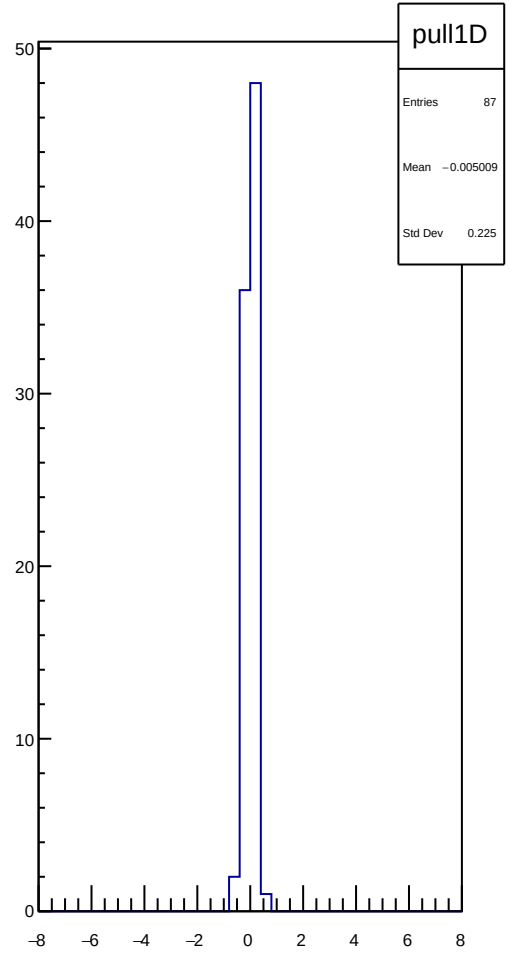

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.51 / 86
p0 41.92 ± 0.8033
pull
Entries 87
Mean 695.5
Std Dev 641.3

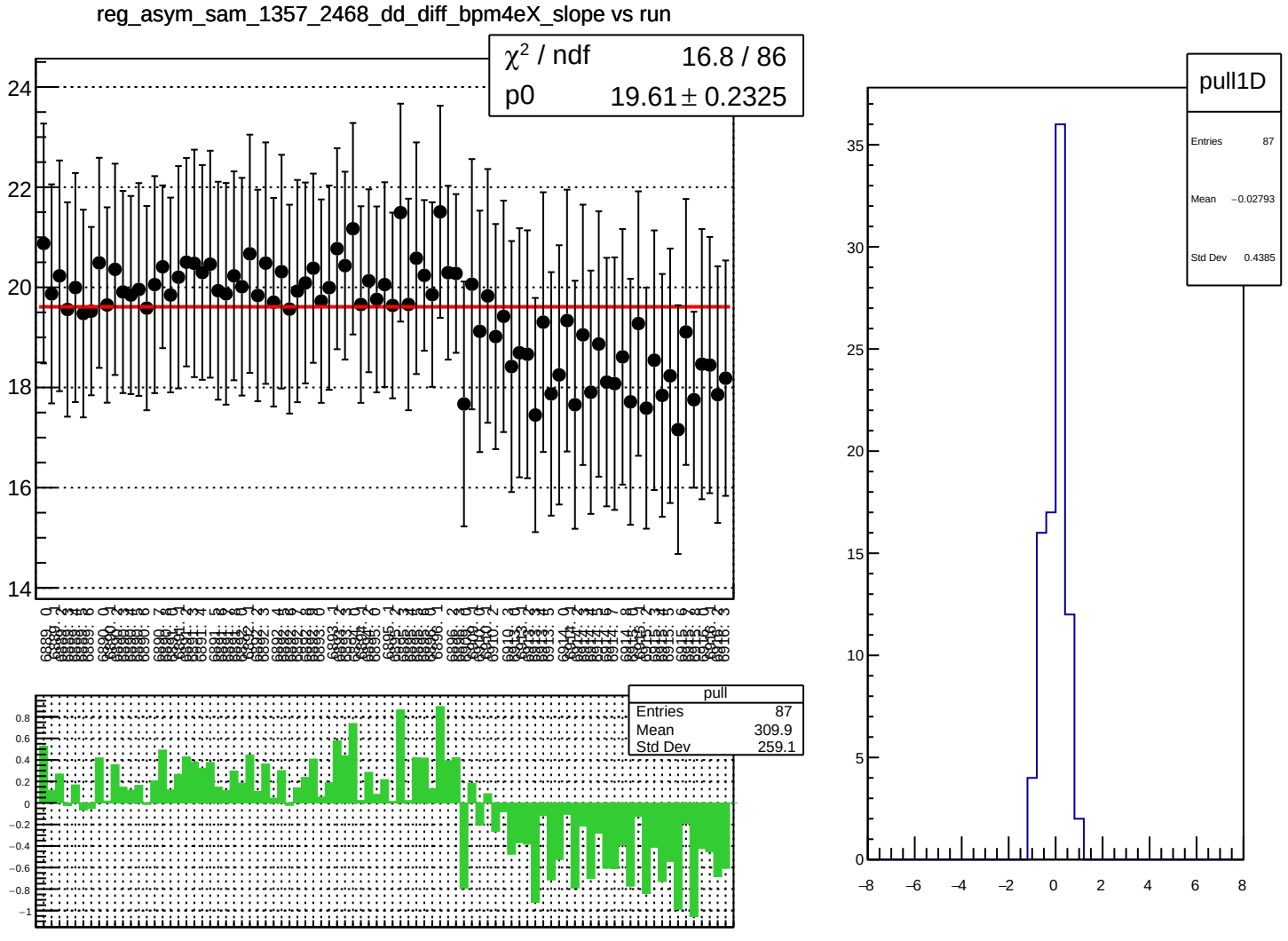

pull1D
Entries 87
Mean −0.007891
Std Dev 0.3637

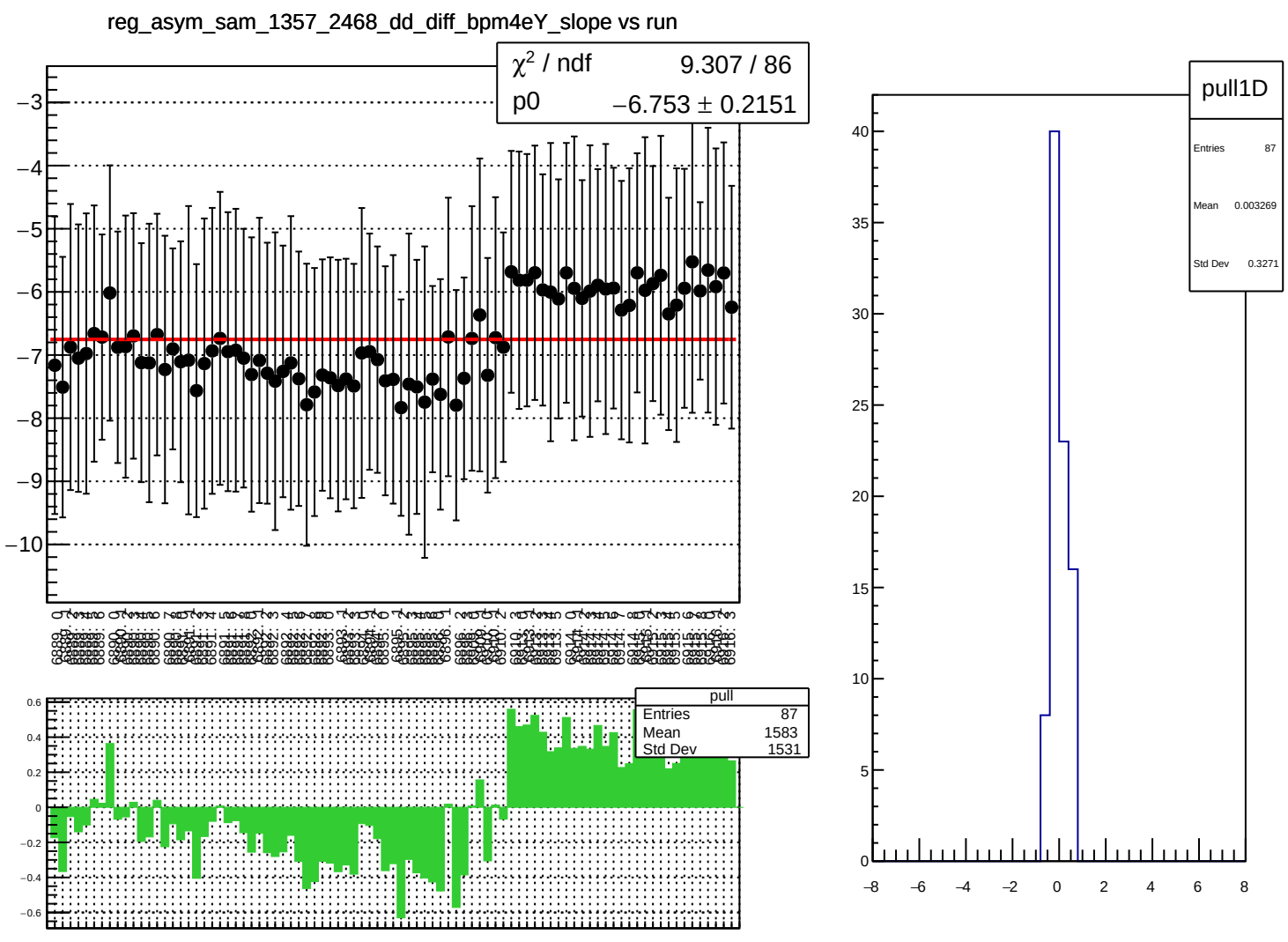

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.601 / 86
p0 0.02813 ± 0.03537
pull
Entries 87
Mean −249.7
Std Dev 265.5
pull1D
Entries 87
Mean −0.001384
Std Dev 0.1357

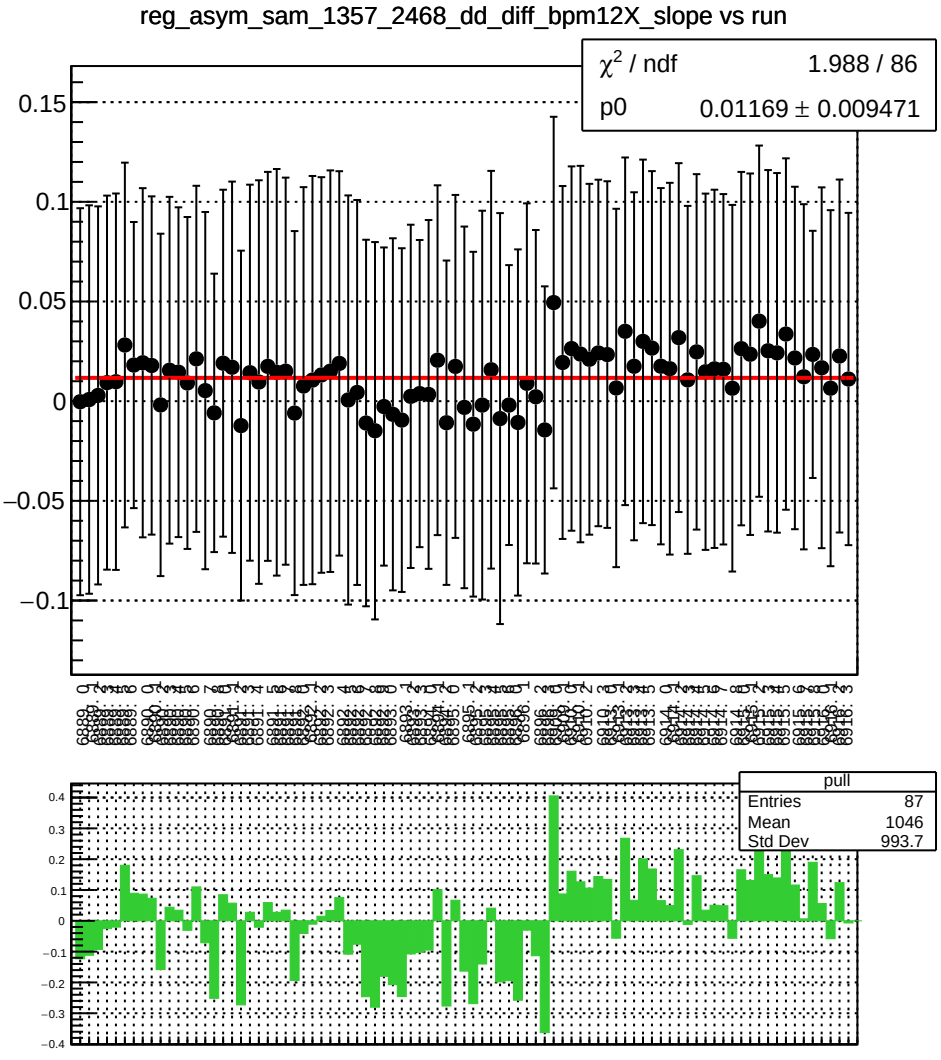

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 11.8 / 86
p0 4.503 ± 0.2429
pull
Entries 87
Mean 250.5
Std Dev 199.9
pull1D
Entries 87
Mean 0.0329
Std Dev 0.3668

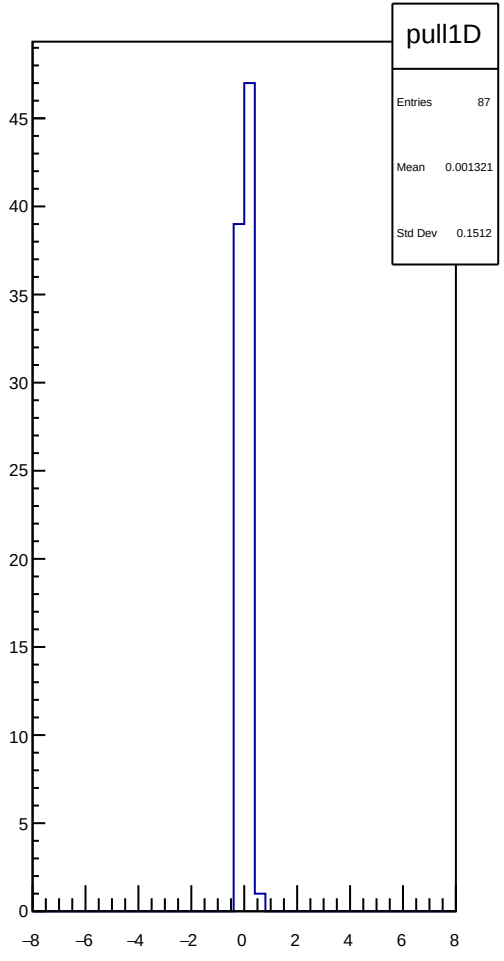

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.406 / 86
p0 1.736 ± 0.1821
pull
Entries 87
Mean 707.7
Std Dev 655

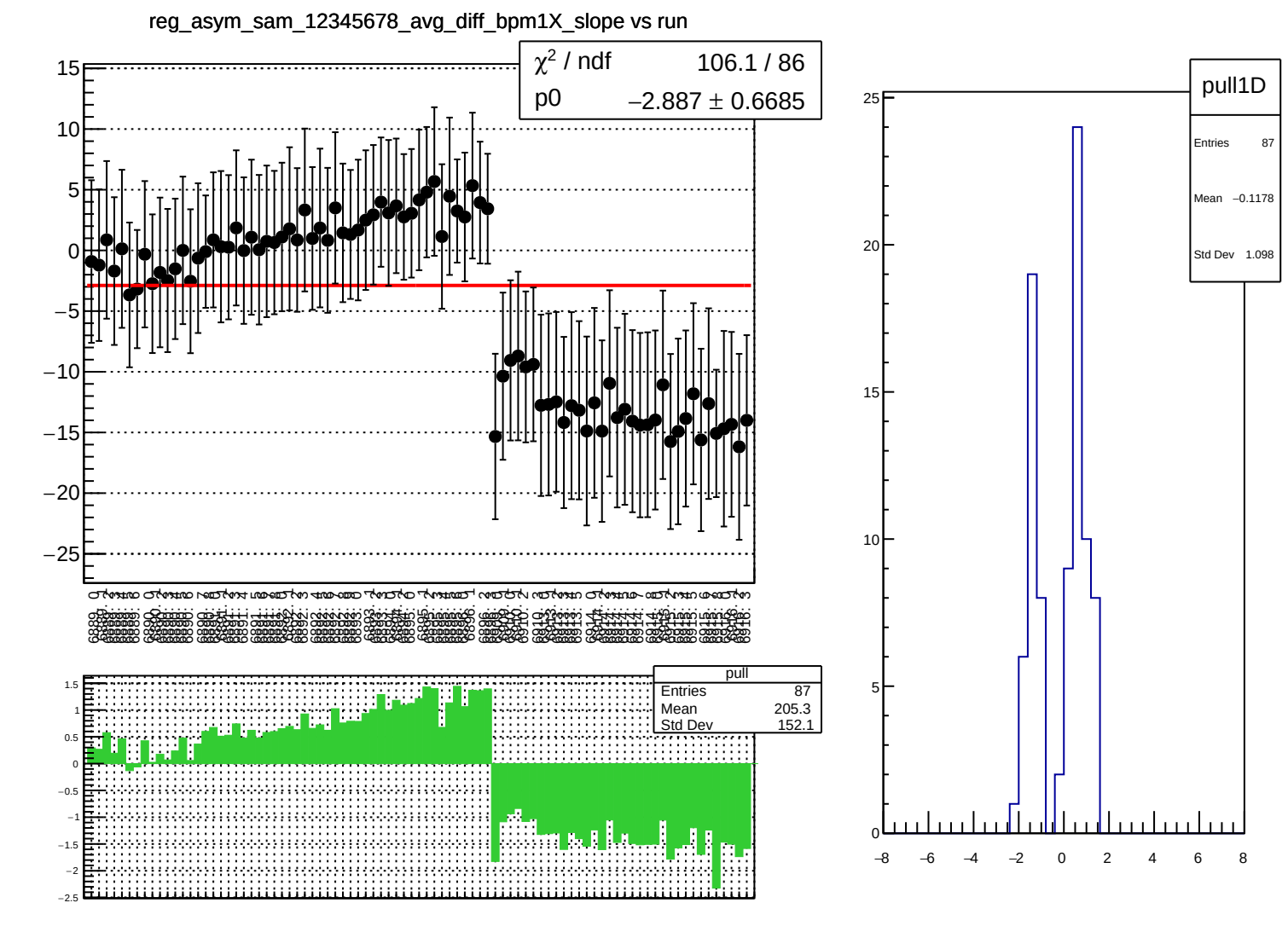

pull1D
Entries 87
Mean −0.005009
Std Dev 0.225

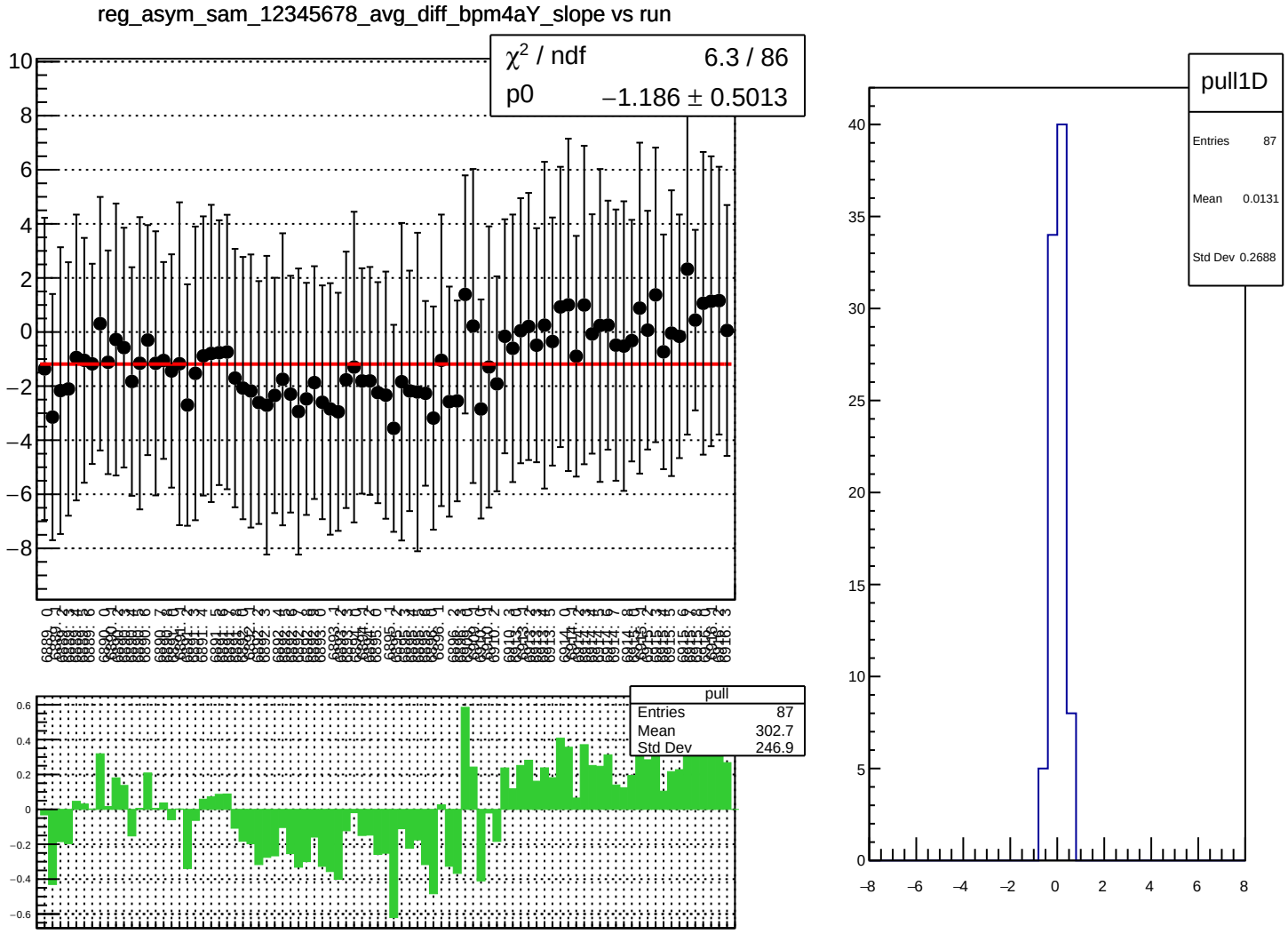

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.8 / 86
p0 19.61 ± 0.2325
pull
Entries 87
Mean 309.9
Std Dev 259.1
pull1D
Entries 87
Mean −0.02793
Std Dev 0.4385

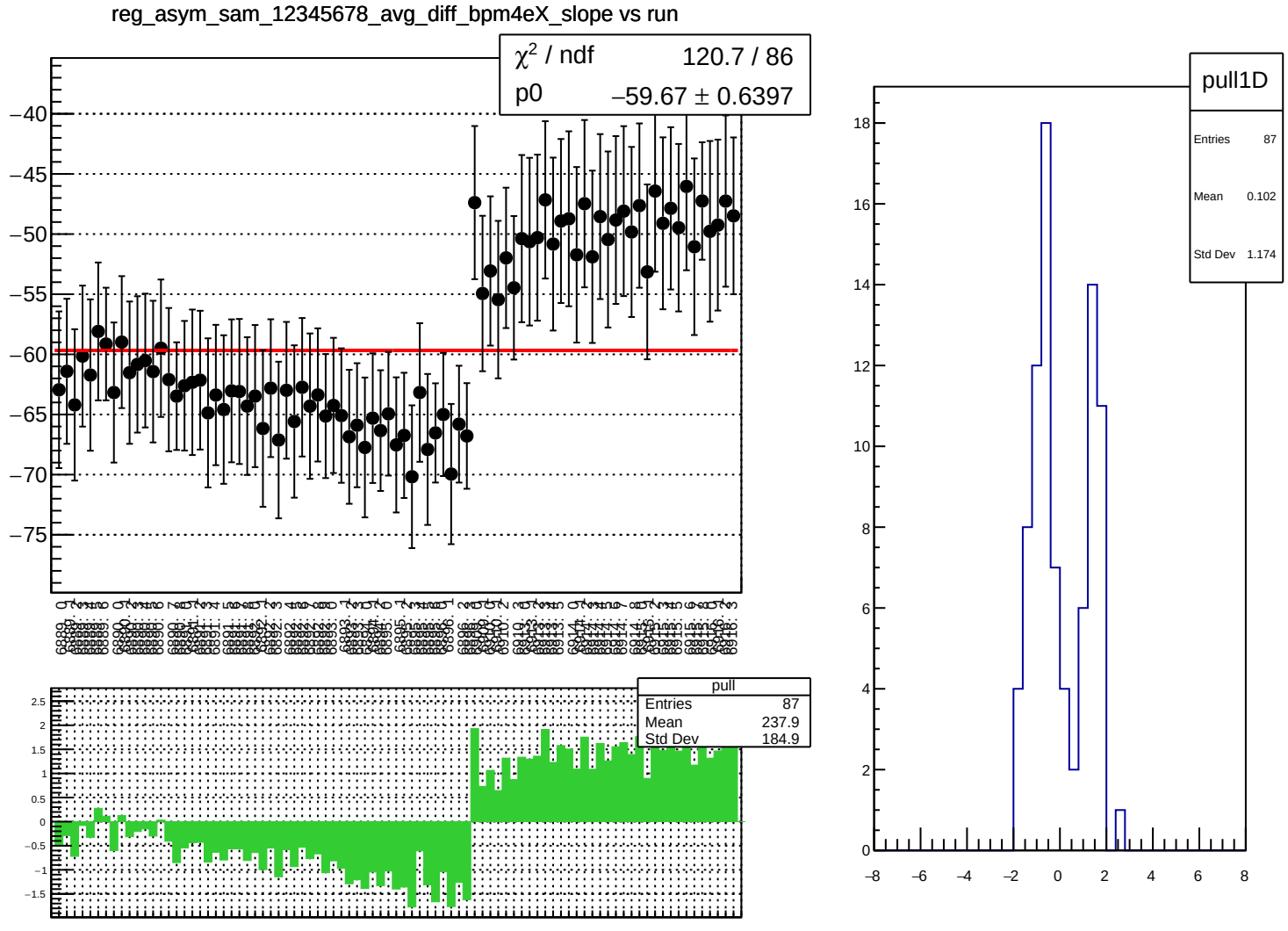

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.307 / 86
p0 −6.753 ± 0.2151
pull
Entries 87
Mean 1583
Std Dev 1531
pull1D
Entries 87
Mean 0.003269
Std Dev 0.3271

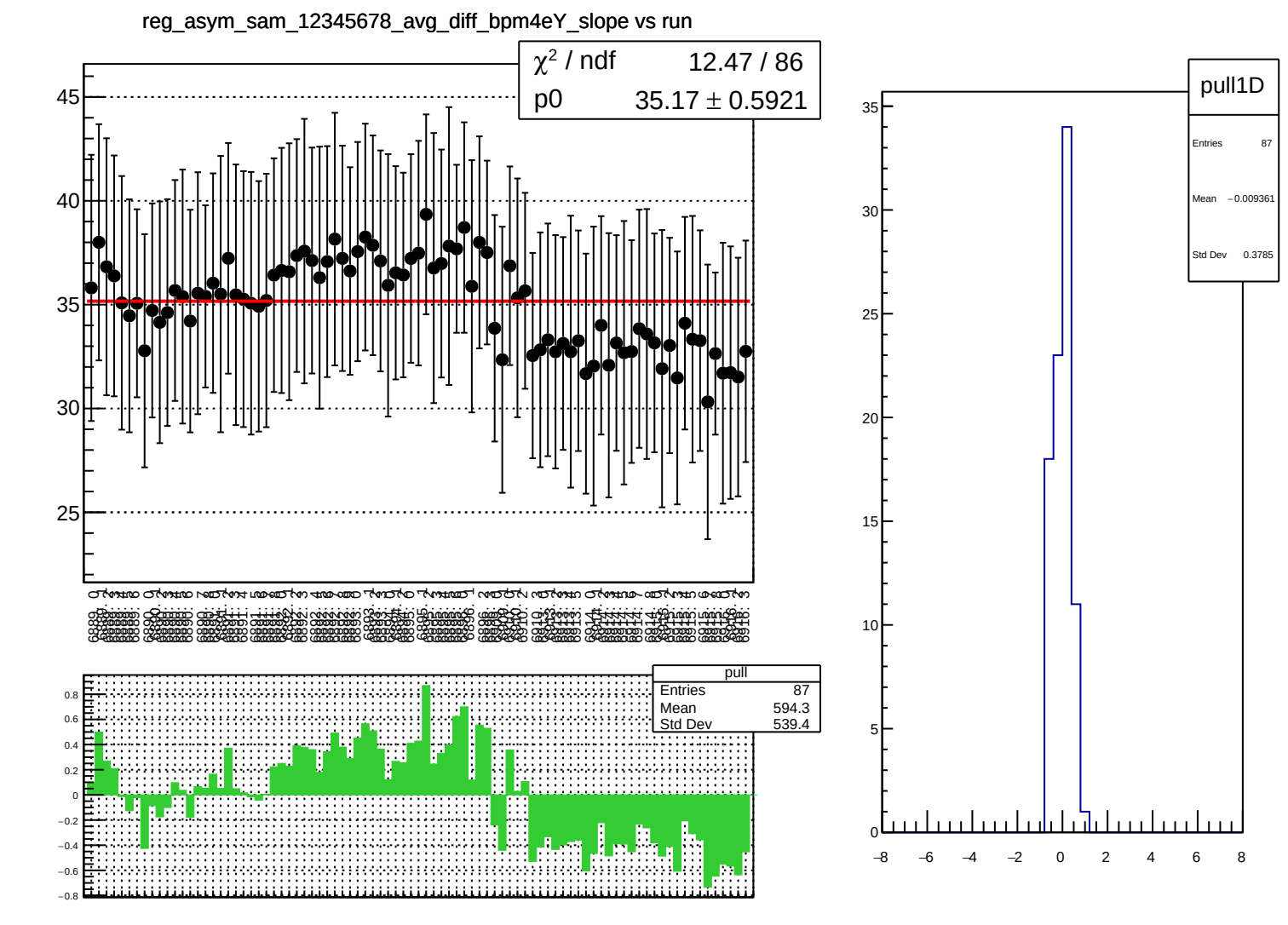

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.988 / 86
p0 0.01169 ± 0.009471
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 87
Mean 1046
Std Dev 993.7
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

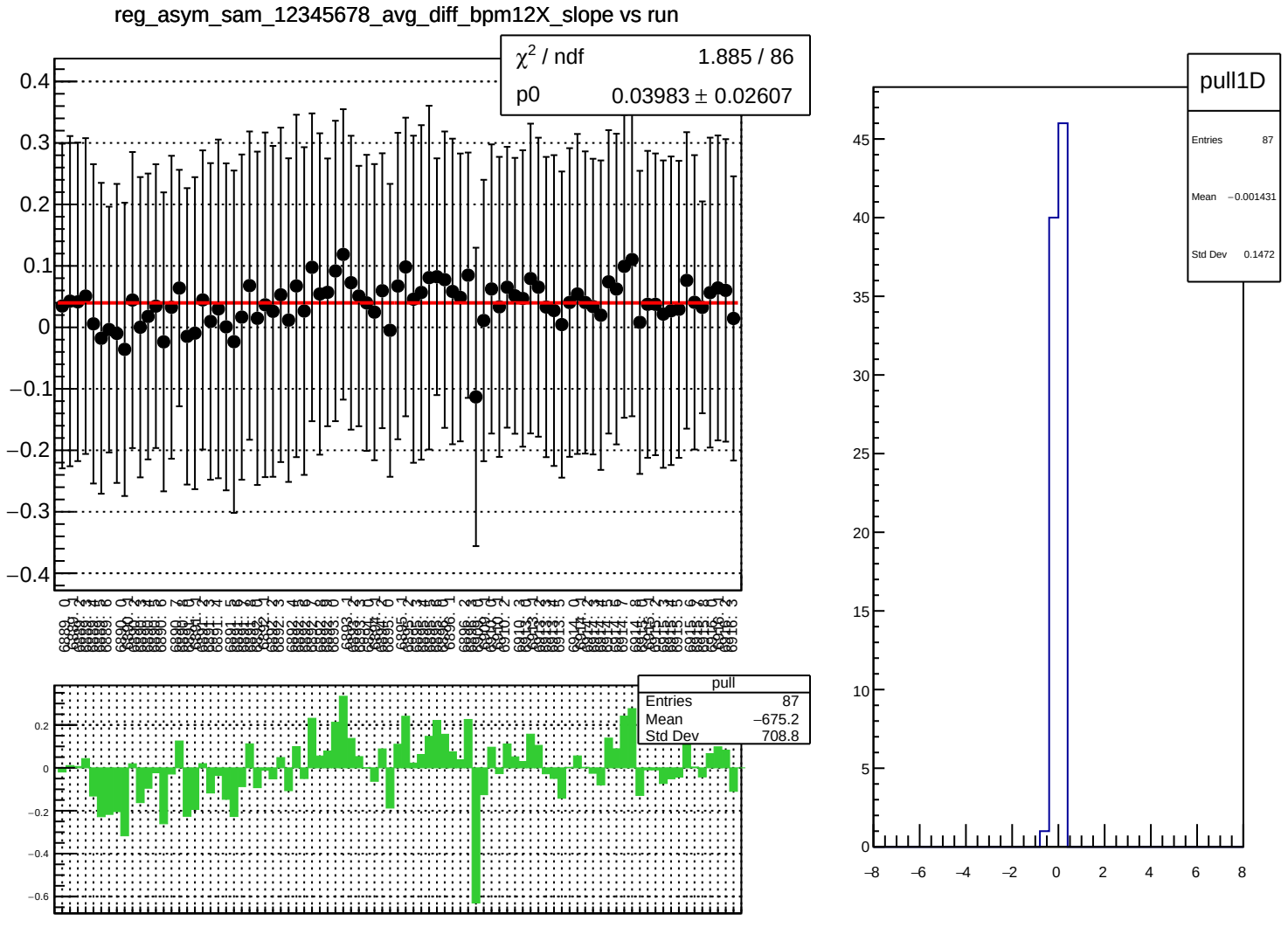

pull1D
Entries 87
Mean 0.001321
Std Dev 0.1512
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

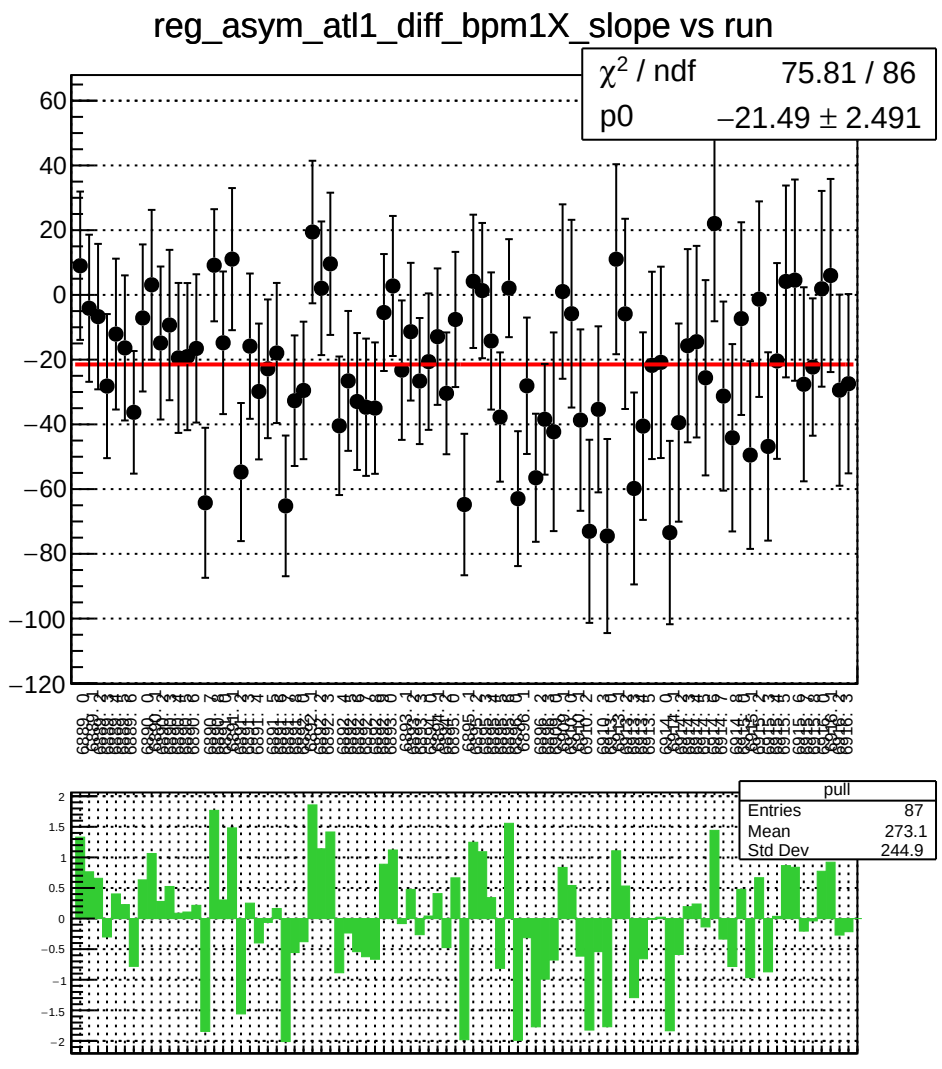

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 106.1 / 86
p0 −2.887 ± 0.6685
pull
Entries 87
Mean 205.3
Std Dev 152.1
pull1D
Entries 87
Mean −0.1178
Std Dev 1.098

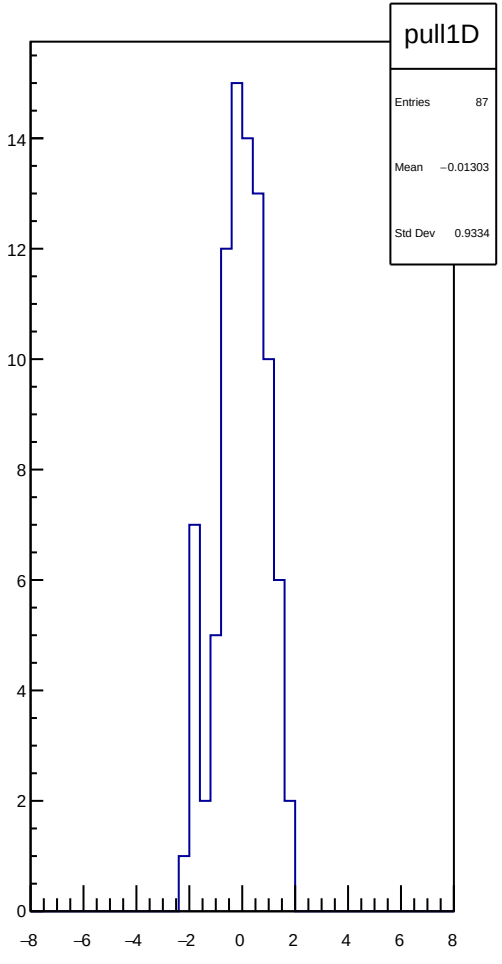

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.3 / 86
p0 −1.186 ± 0.5013
pull
Entries 87
Mean 302.7
Std Dev 246.9
pull1D
Entries 87
Mean 0.0131
Std Dev 0.2688

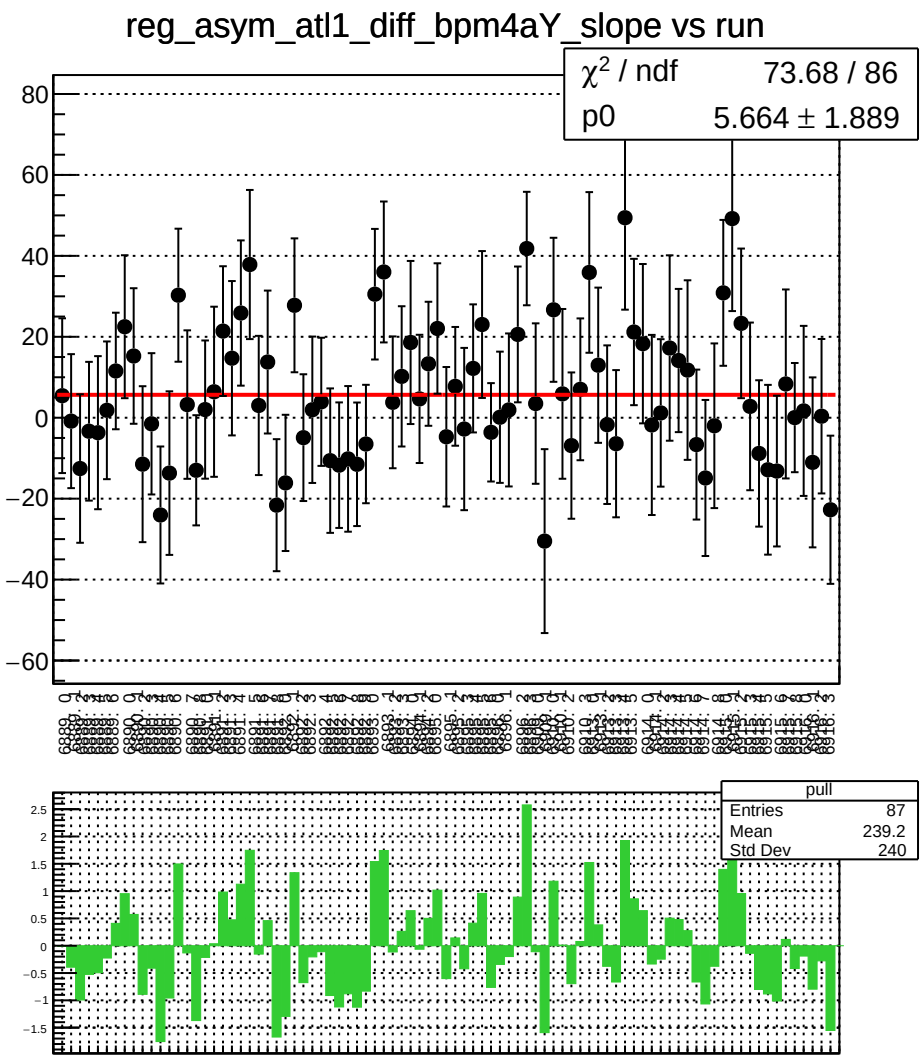

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 120.7 / 86
p0 −59.67 ± 0.6397
−40
−45
−50
−55
−60
−65
−70
−75
pull
Entries 87
Mean 237.9
Std Dev 184.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.102
Std Dev 1.174
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

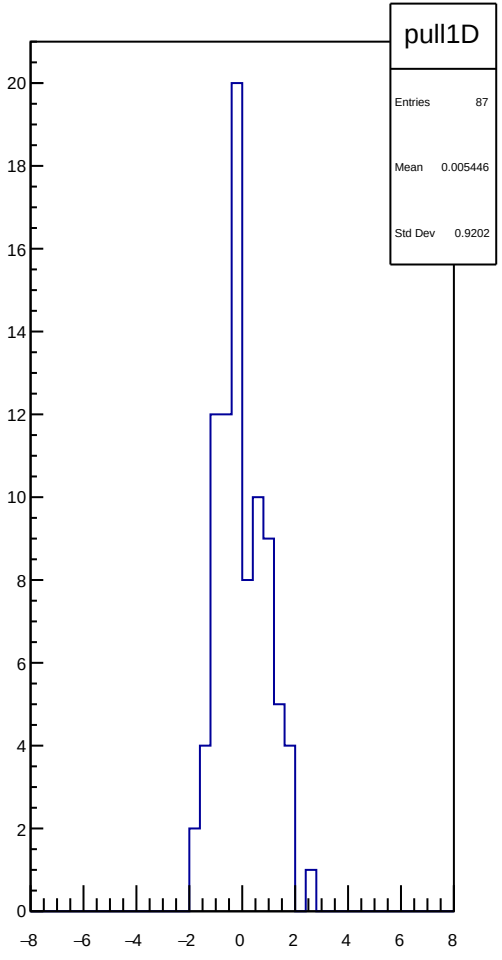

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.47 / 86
p0 35.17 ± 0.5921
pull
Entries 87
Mean 594.3
Std Dev 539.4
pull1D
Entries 87
Mean −0.009361
Std Dev 0.3785

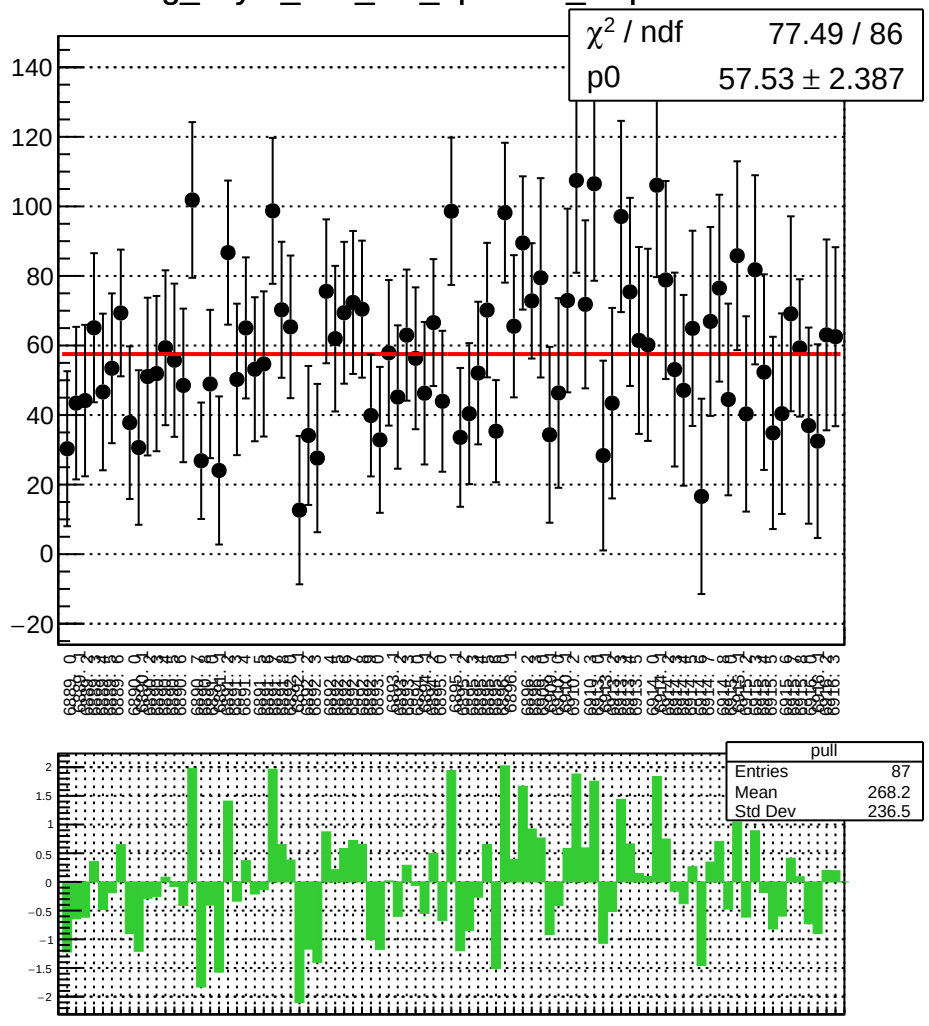

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.885 / 86
p0 0.03983 ± 0.02607
pull
Entries 87
Mean −675.2
Std Dev 708.8
pull1D
Entries 87
Mean −0.001431
Std Dev 0.1472

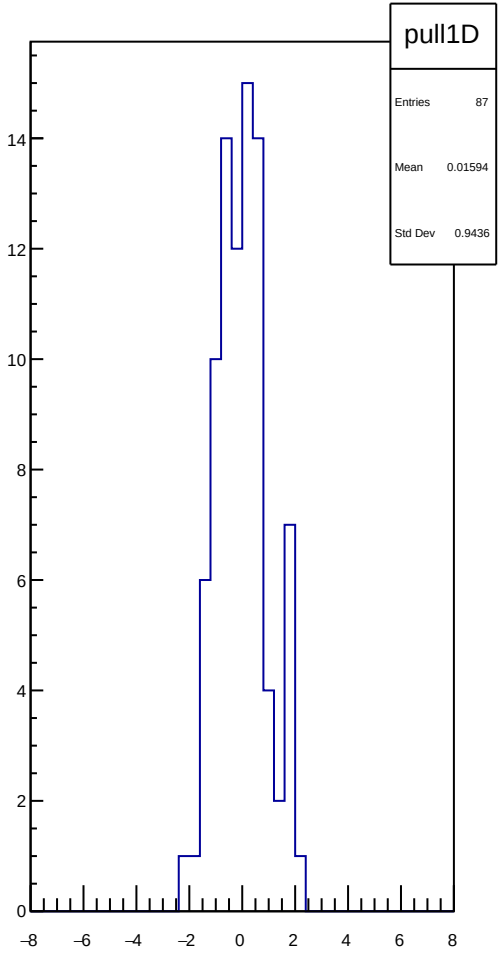

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 75.81 / 86
p0 −21.49 ± 2.491
pull
Entries 87
Mean 273.1
Std Dev 244.9

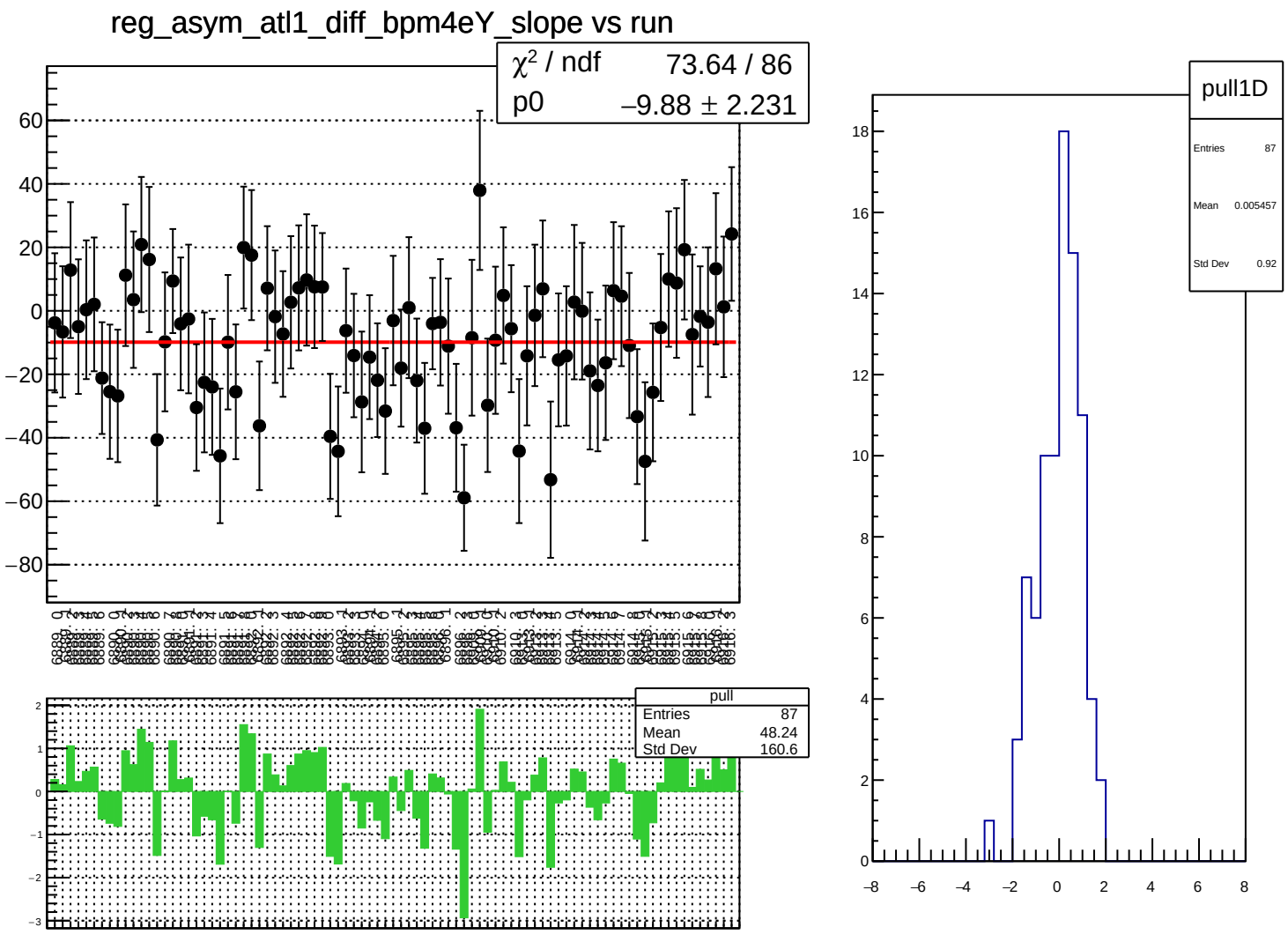

pull1D
Entries 87
Mean −0.01303
Std Dev 0.9334

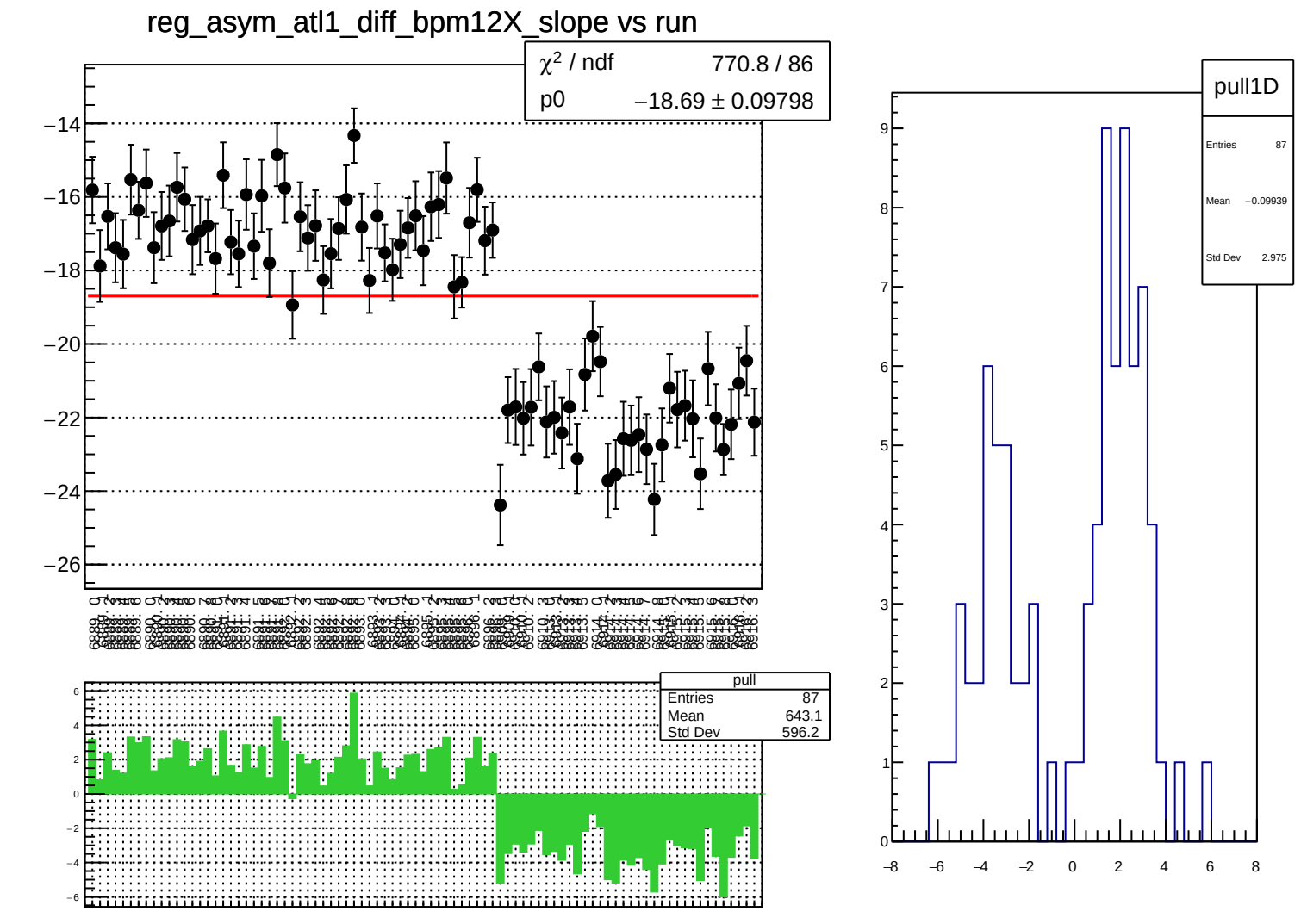

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 73.68 / 86
p0 5.664 ± 1.889
pull
Entries 87
Mean 239.2
Std Dev 240

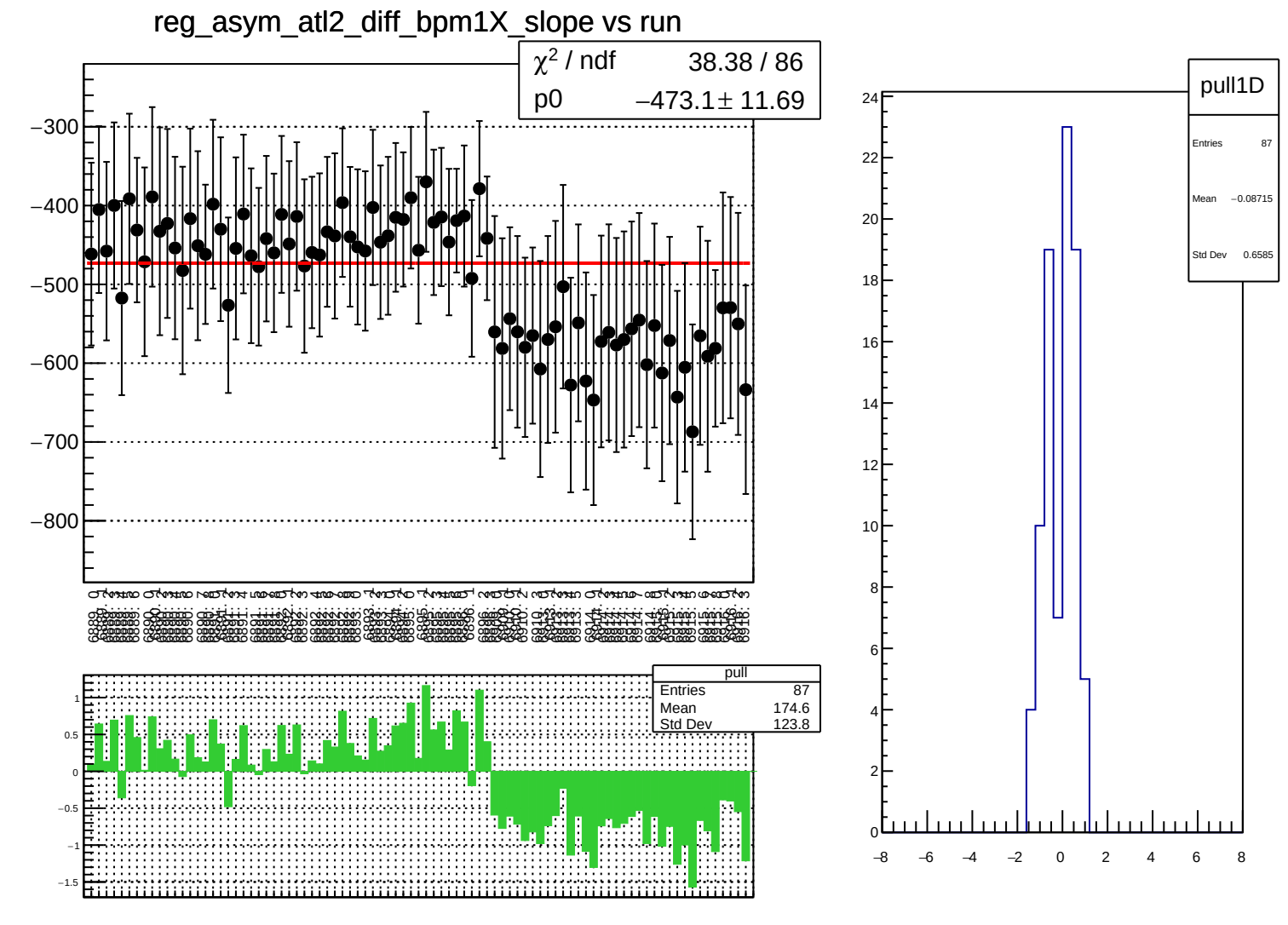

pull1D
Entries 87
Mean 0.005446
Std Dev 0.9202

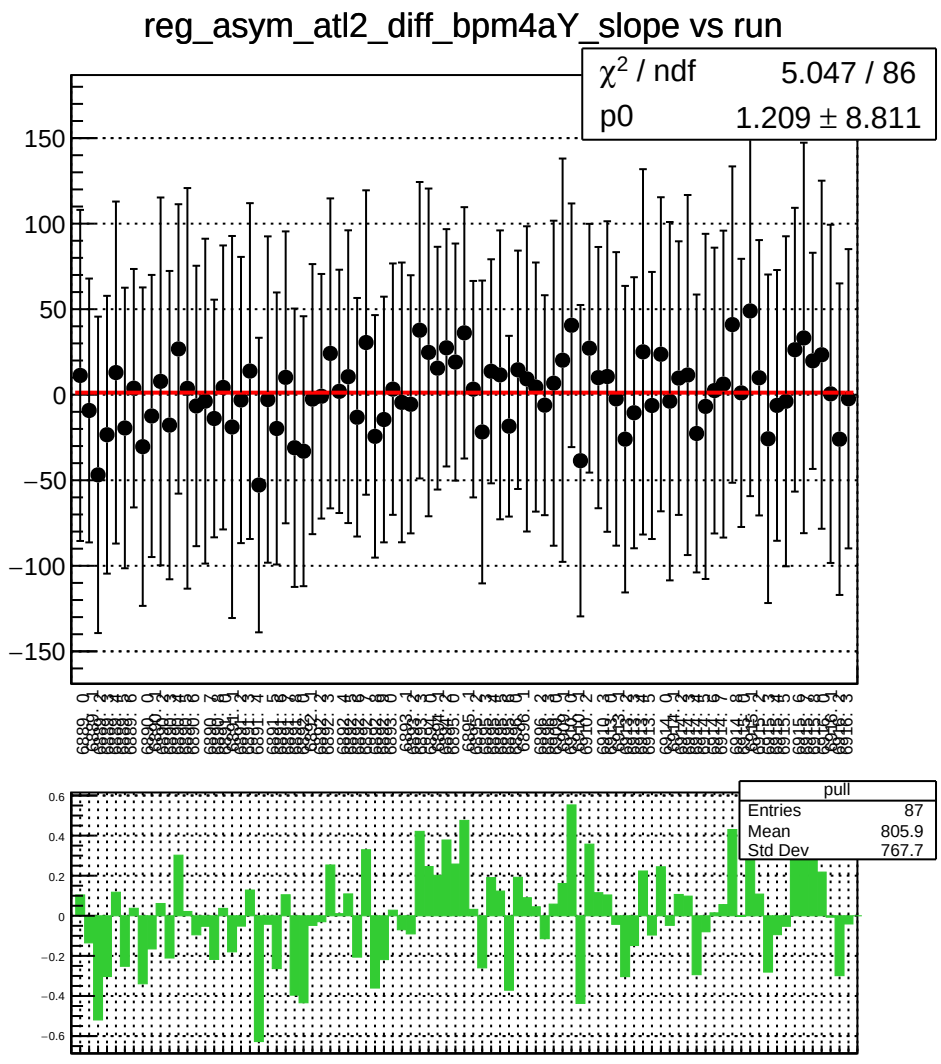

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 77.49 / 86
p0 57.53 ± 2.387
pull
Entries 87
Mean 268.2
Std Dev 236.5

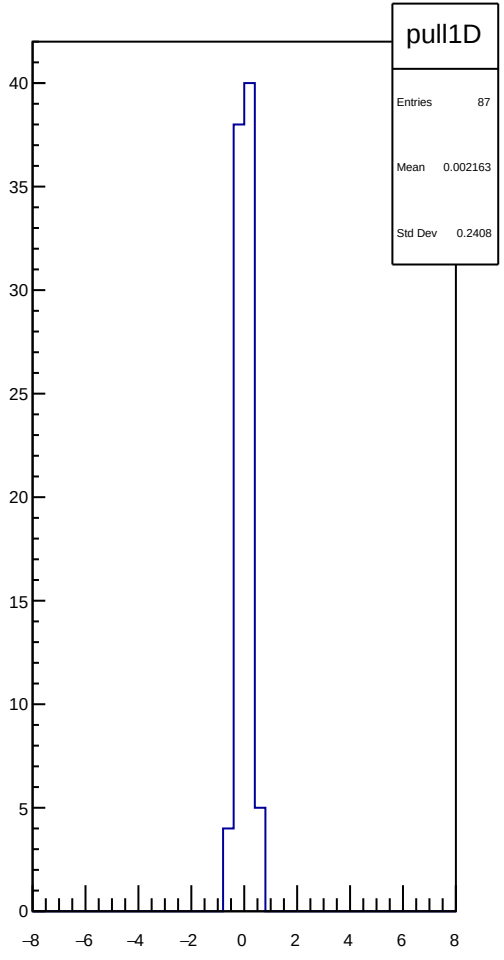

pull1D
Entries 87
Mean 0.01594
Std Dev 0.9436

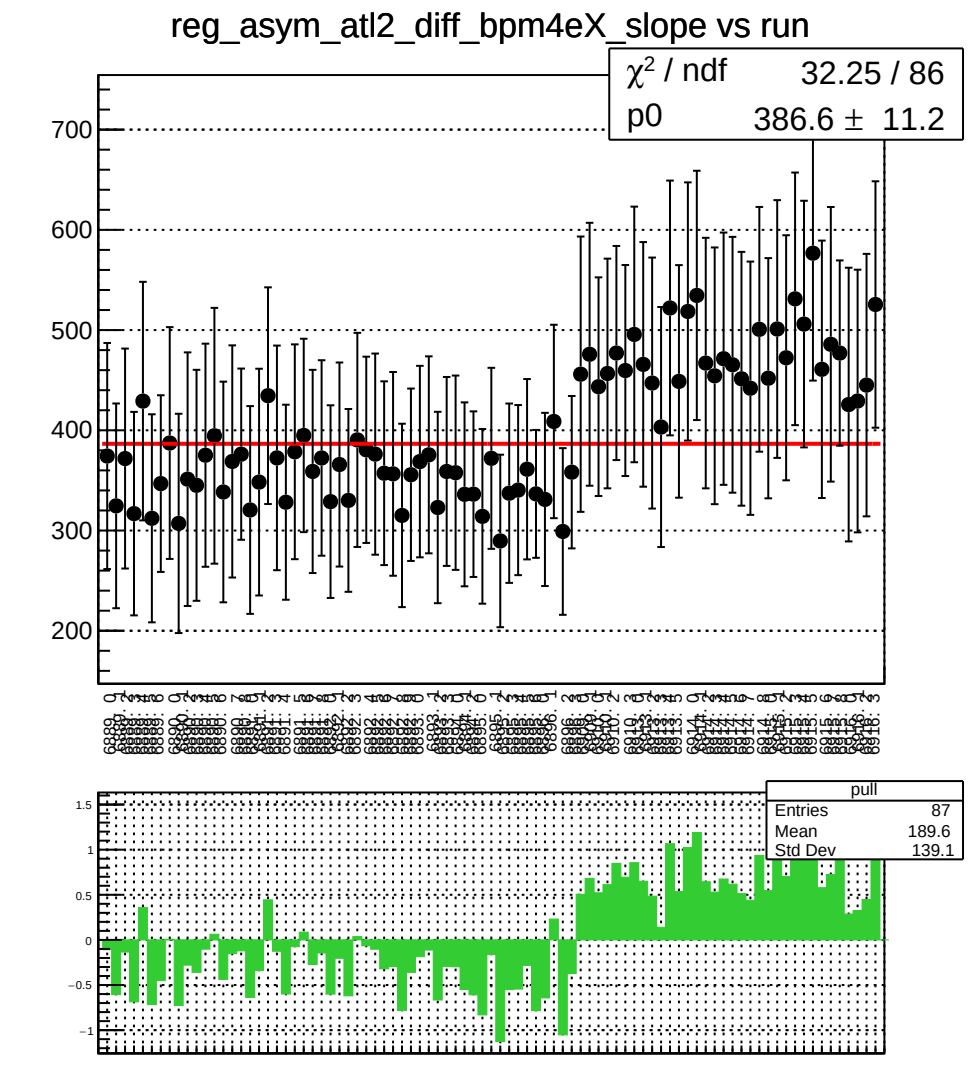

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 73.64 / 86
p0 −9.88 ± 2.231
pull
Entries 87
Mean 48.24
Std Dev 160.6
pull1D
Entries 87
Mean 0.005457
Std Dev 0.92

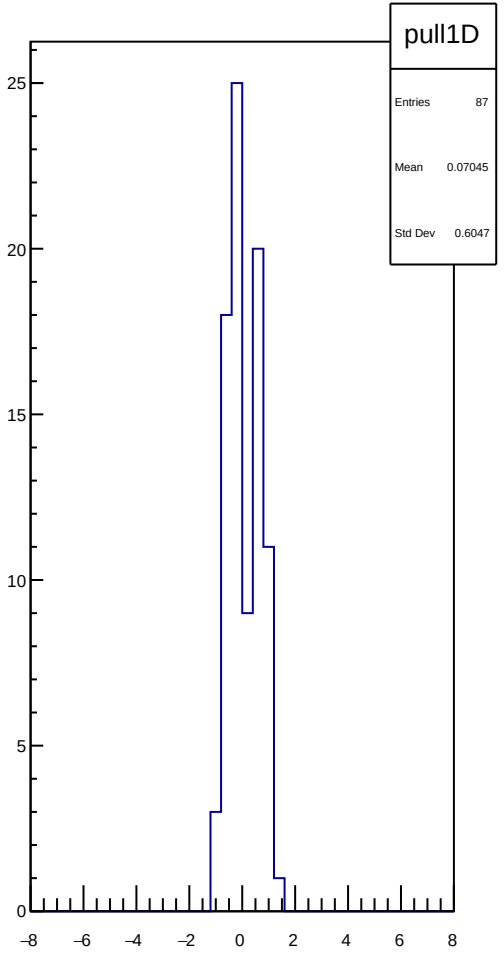

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 770.8 / 86
p0 −18.69 ± 0.09798
pull
Entries 87
Mean 643.1
Std Dev 596.2
pull1D
Entries 87
Mean −0.09939
Std Dev 2.975

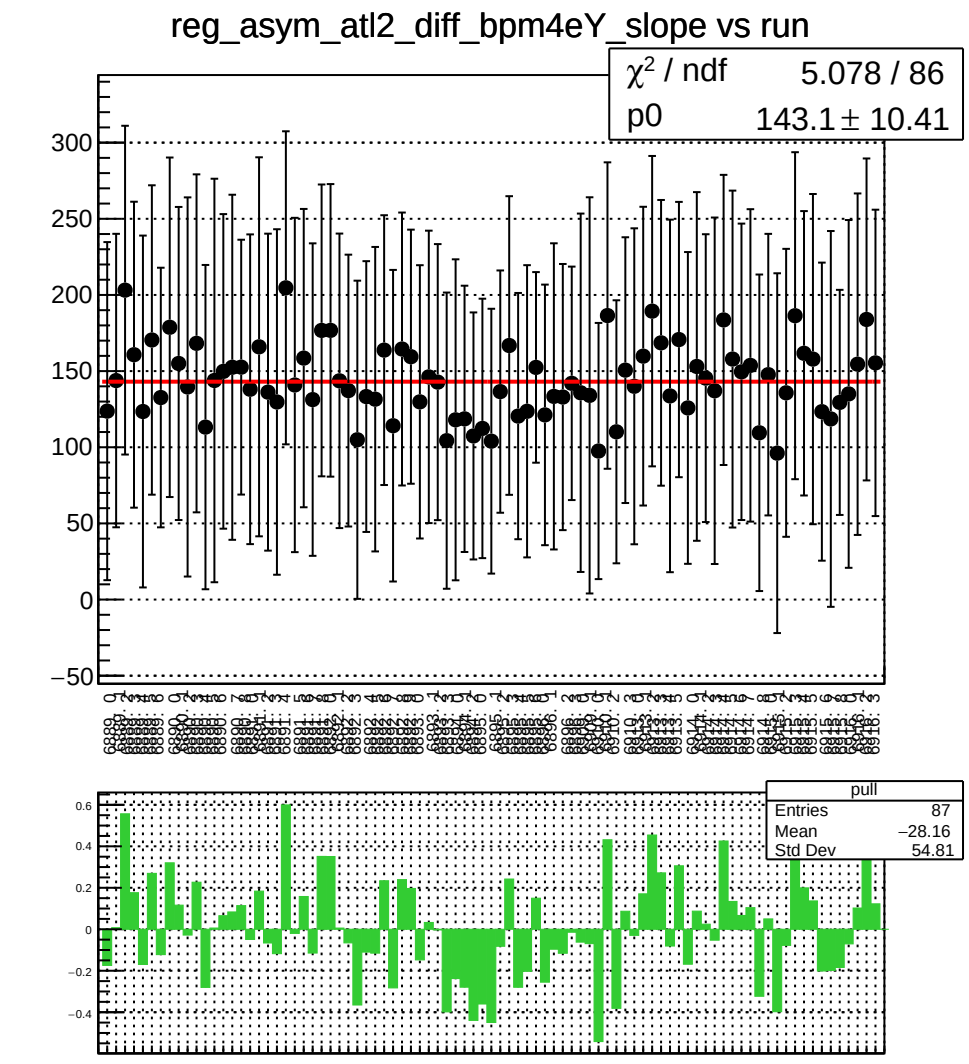

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 38.38 / 86
p0 −473.1 ± 11.69
−300
−400
−500
−600
−700
−800
pull
Entries 87
Mean 174.6
Std Dev 123.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.08715
Std Dev 0.6585
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

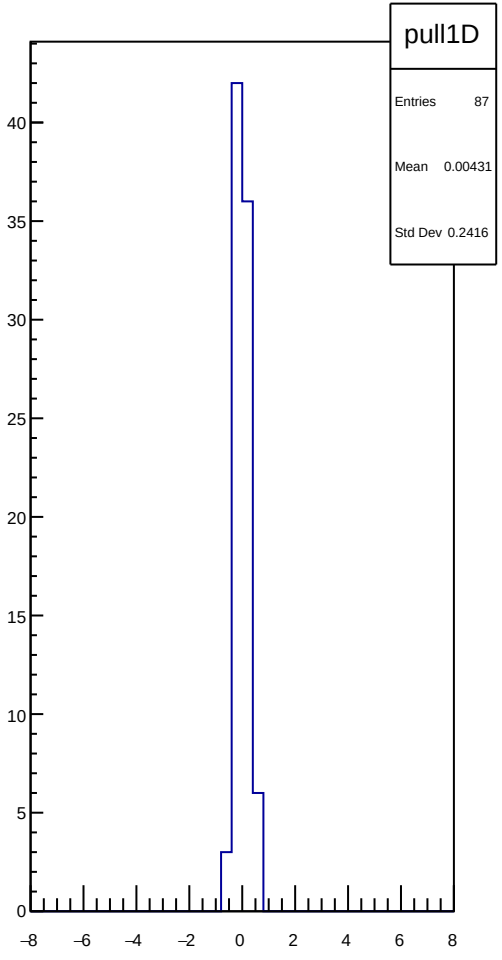

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.047 / 86
p0 1.209 ± 8.811
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean 805.9
Std Dev 767.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

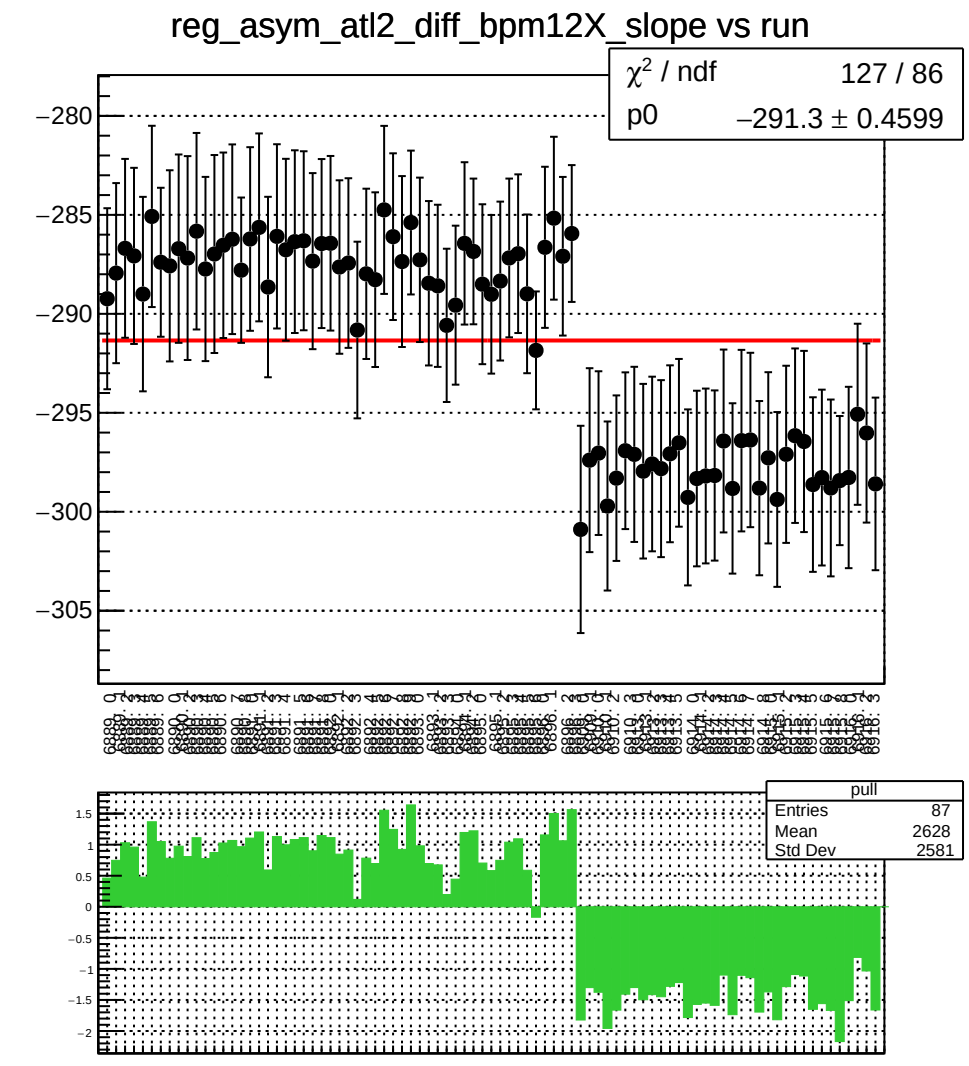

pull1D
Entries 87
Mean 0.002163
Std Dev 0.2408
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

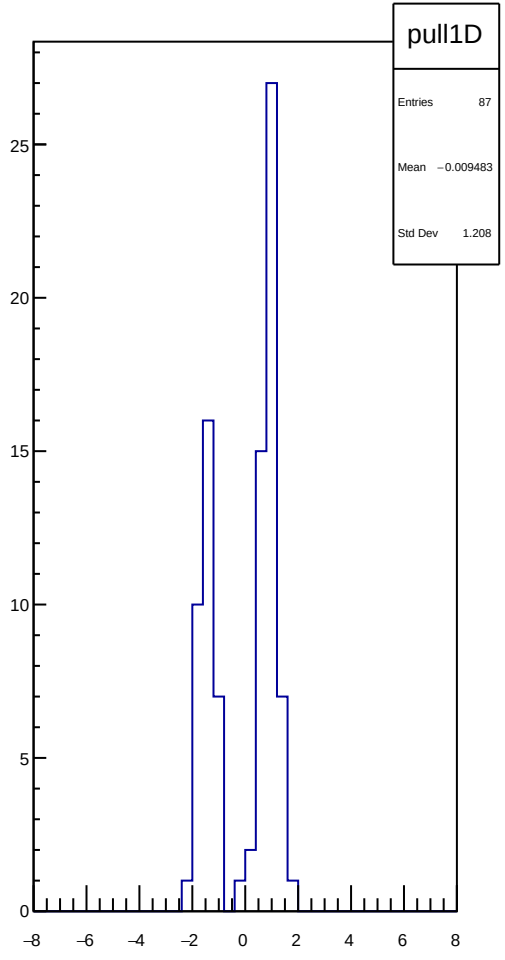

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 32.25 / 86
p0 386.6 ± 11.2
700
600
500
400
300
200
pull
Entries 87
Mean 189.6
Std Dev 139.1
1.5
1
0.5
0
−0.5
−1

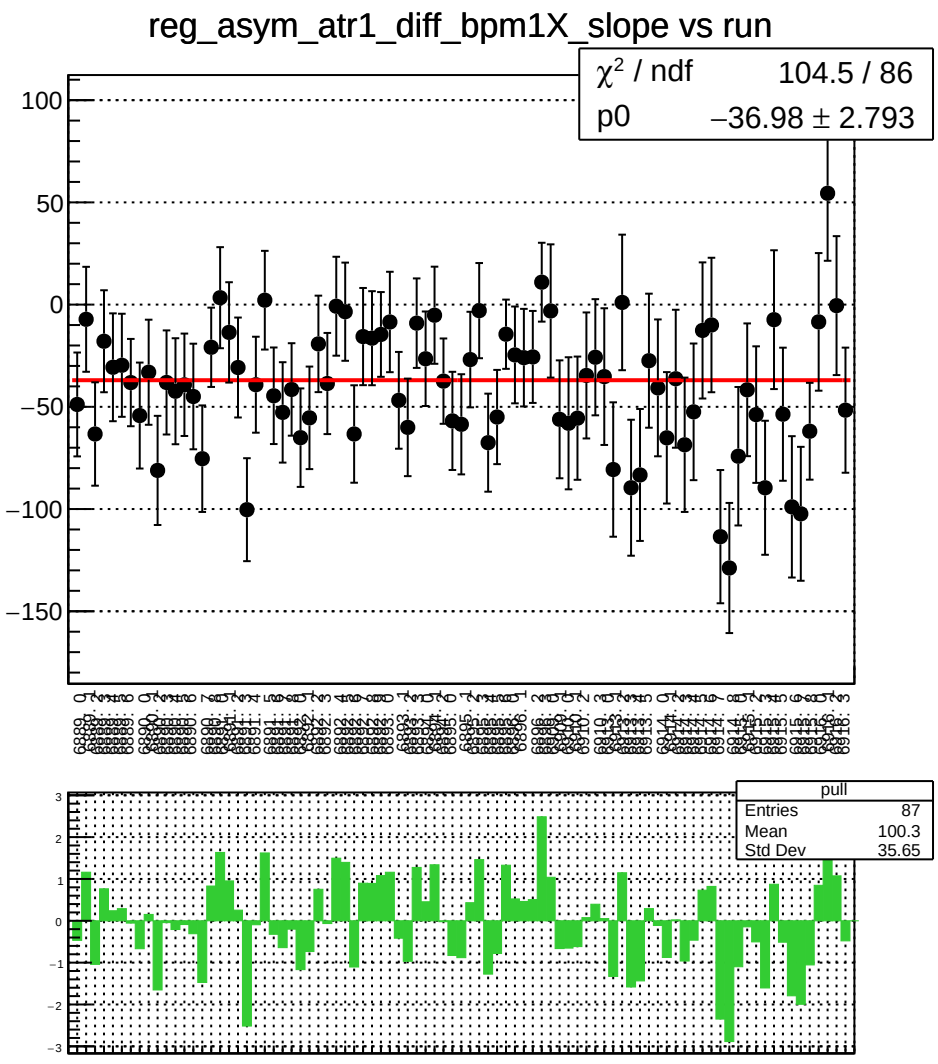

pull1D
Entries 87
Mean 0.07045
Std Dev 0.6047
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

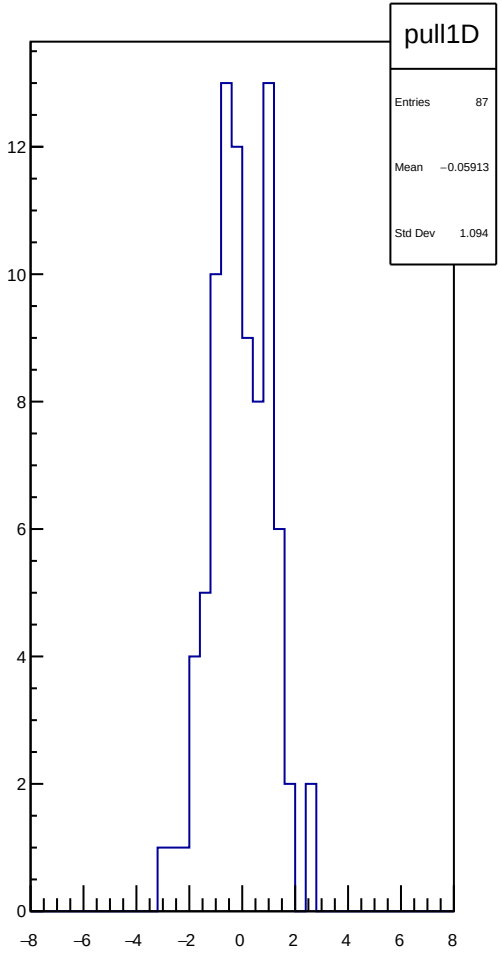

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.078 / 86
p0 143.1 ± 10.41
pull
Entries 87
Mean −28.16
Std Dev 54.81

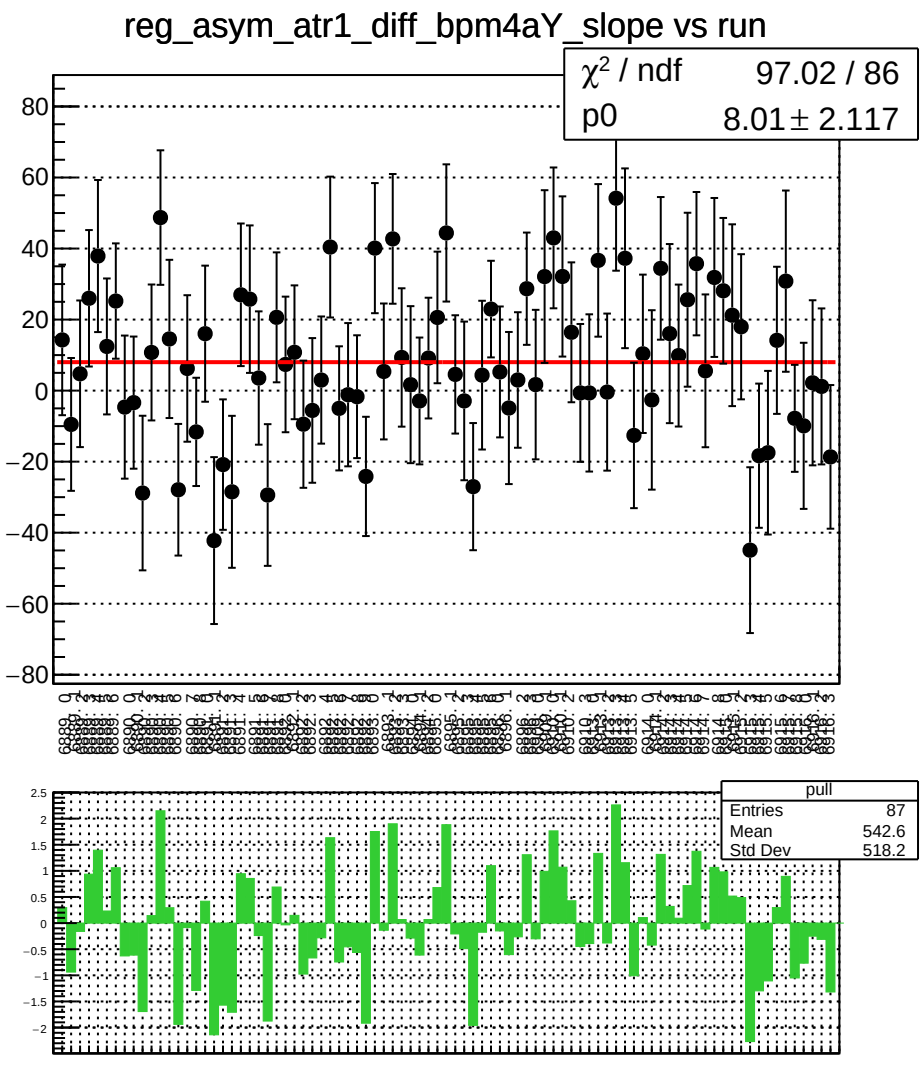

pull1D
Entries 87
Mean 0.00431
Std Dev 0.2416

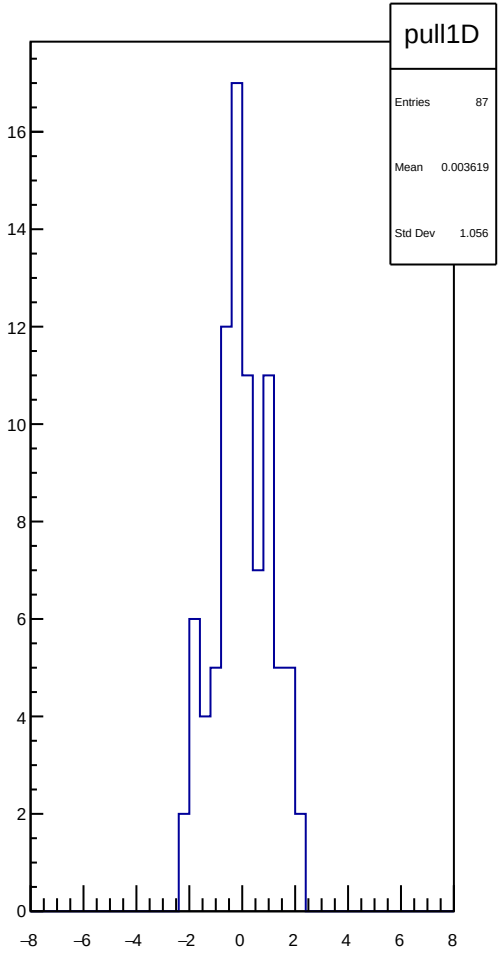

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 127 / 86
p0 −291.3 ± 0.4599
−280
−285
−290
−295
−300
−305
pull
Entries 87
Mean 2628
Std Dev 2581
1.5
1
0.5
0
−0.5
−1
−1.5
−2

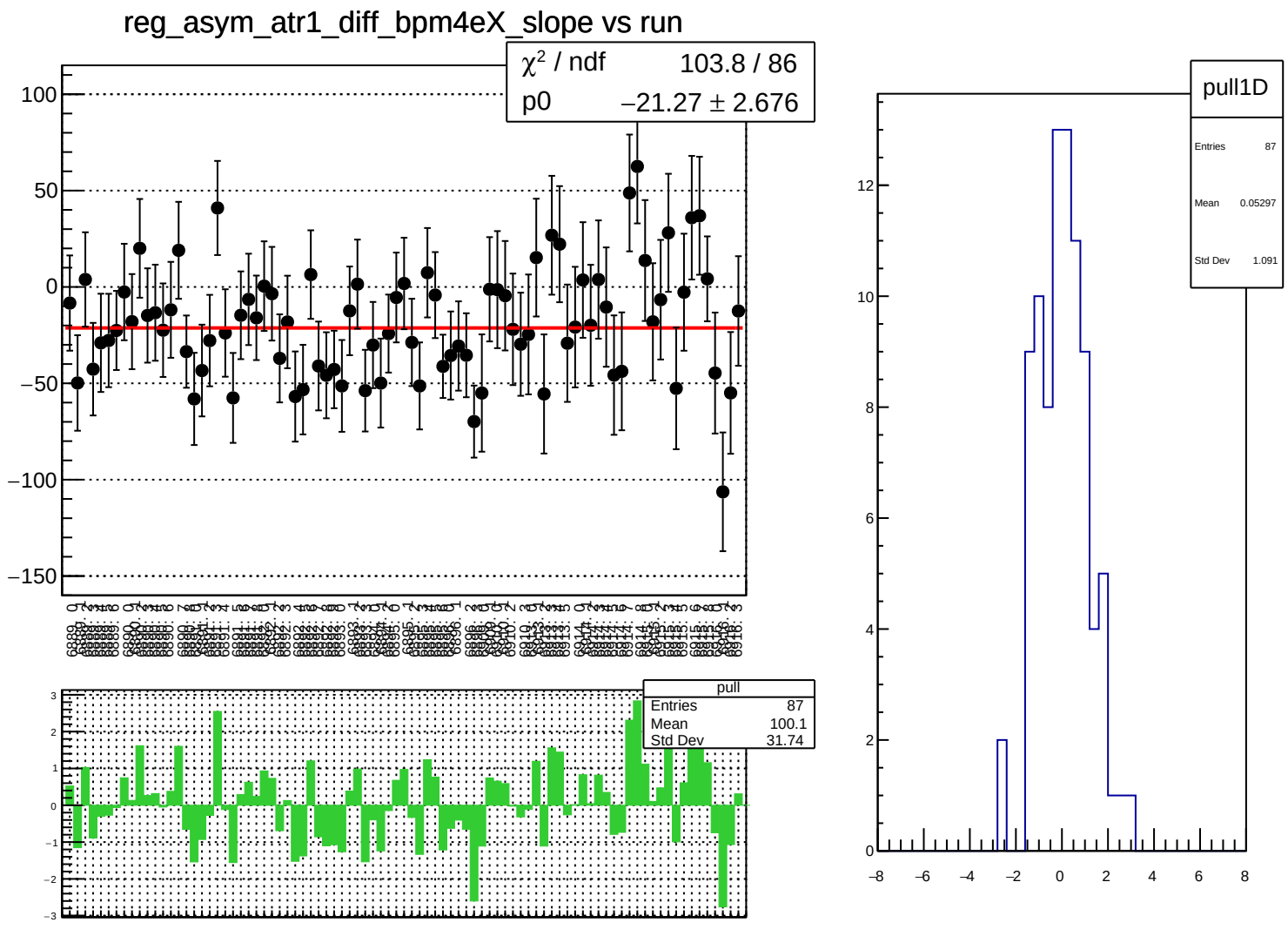

pull1D
Entries 87
Mean −0.009483
Std Dev 1.208
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

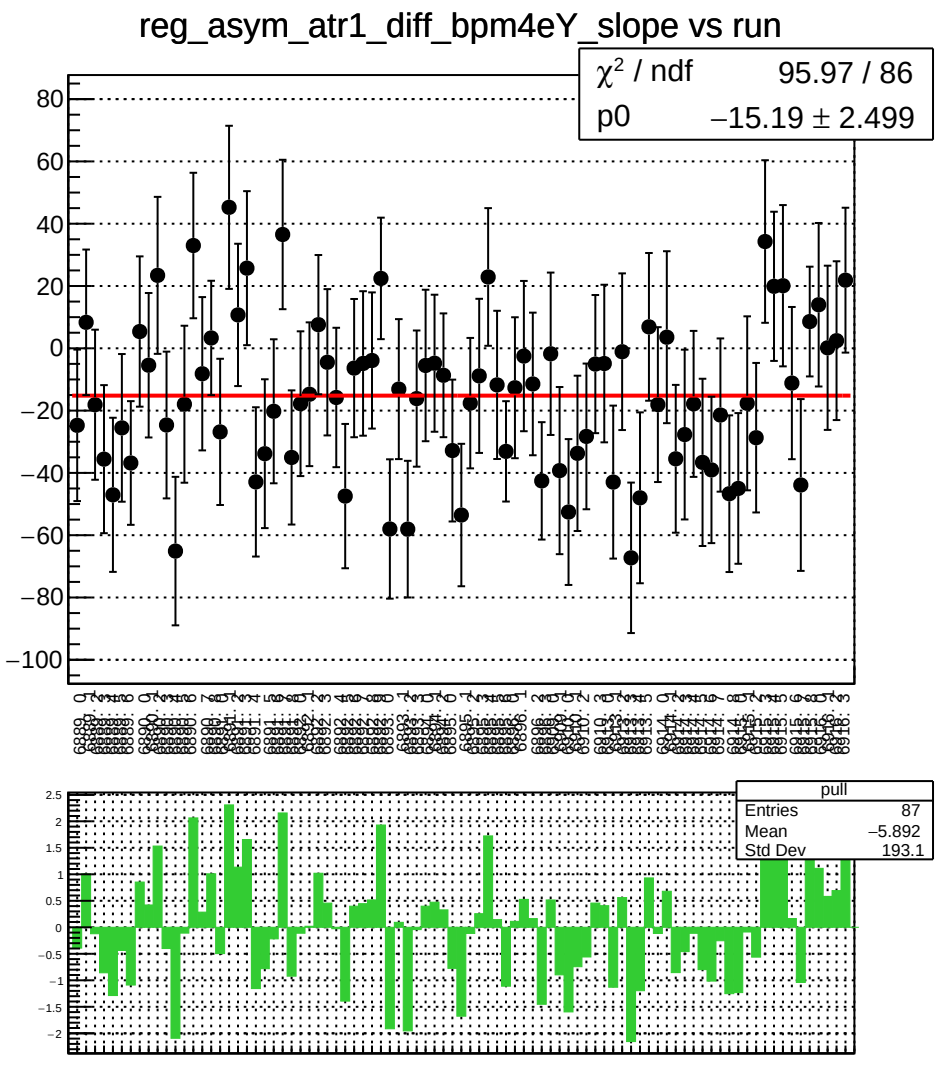

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 104.5 / 86
p0 −36.98 ± 2.793
pull
Entries 87
Mean 100.3
Std Dev 35.65

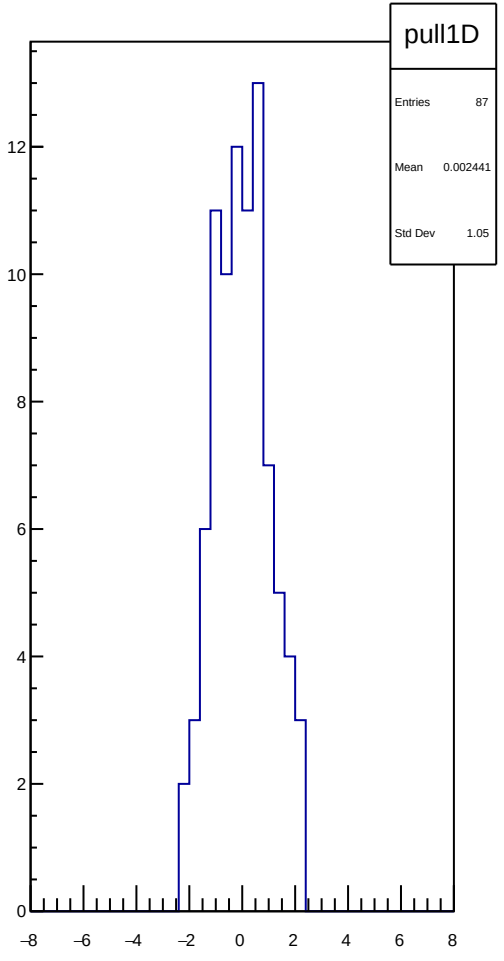

pull1D
Entries 87
Mean −0.05913
Std Dev 1.094

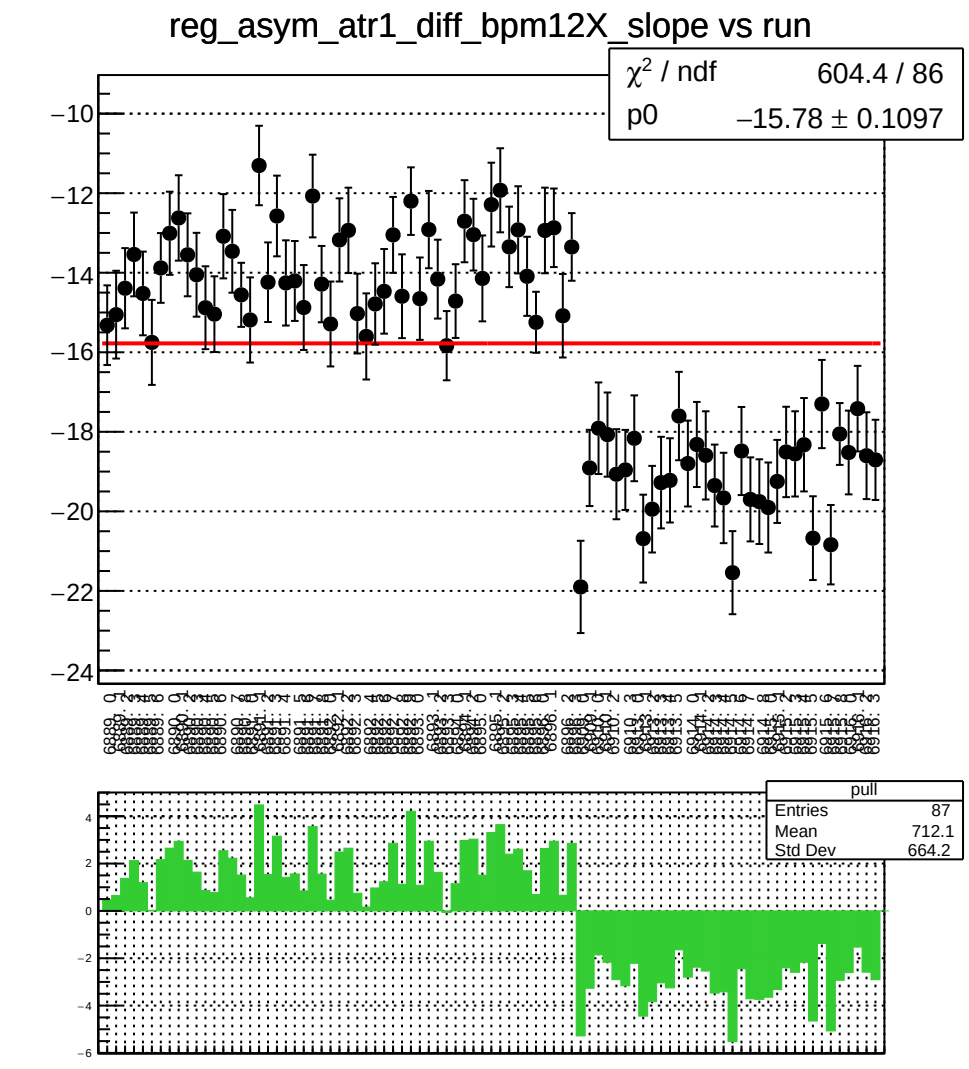

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 97.02 / 86
p0 8.01 ± 2.117
pull
Entries 87
Mean 542.6
Std Dev 518.2

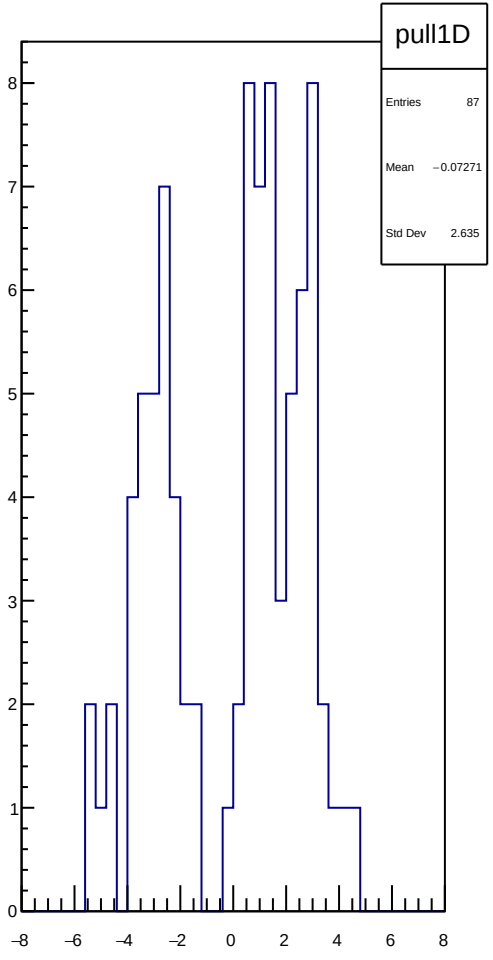

pull1D
Entries 87
Mean 0.003619
Std Dev 1.056

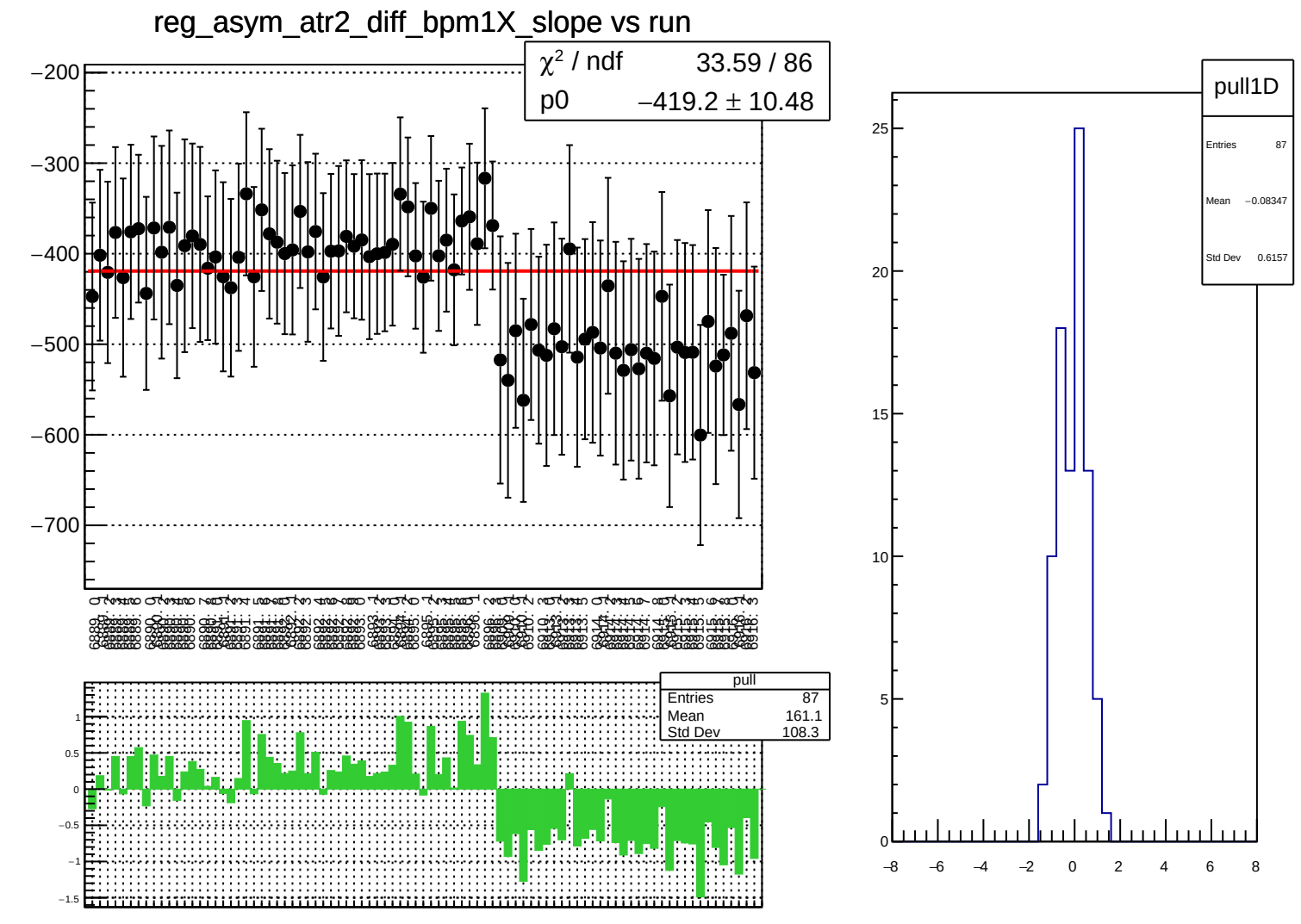

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 103.8 / 86
p0 −21.27 ± 2.676
pull
Entries 87
Mean 100.1
Std Dev 31.74
pull1D
Entries 87
Mean 0.05297
Std Dev 1.091

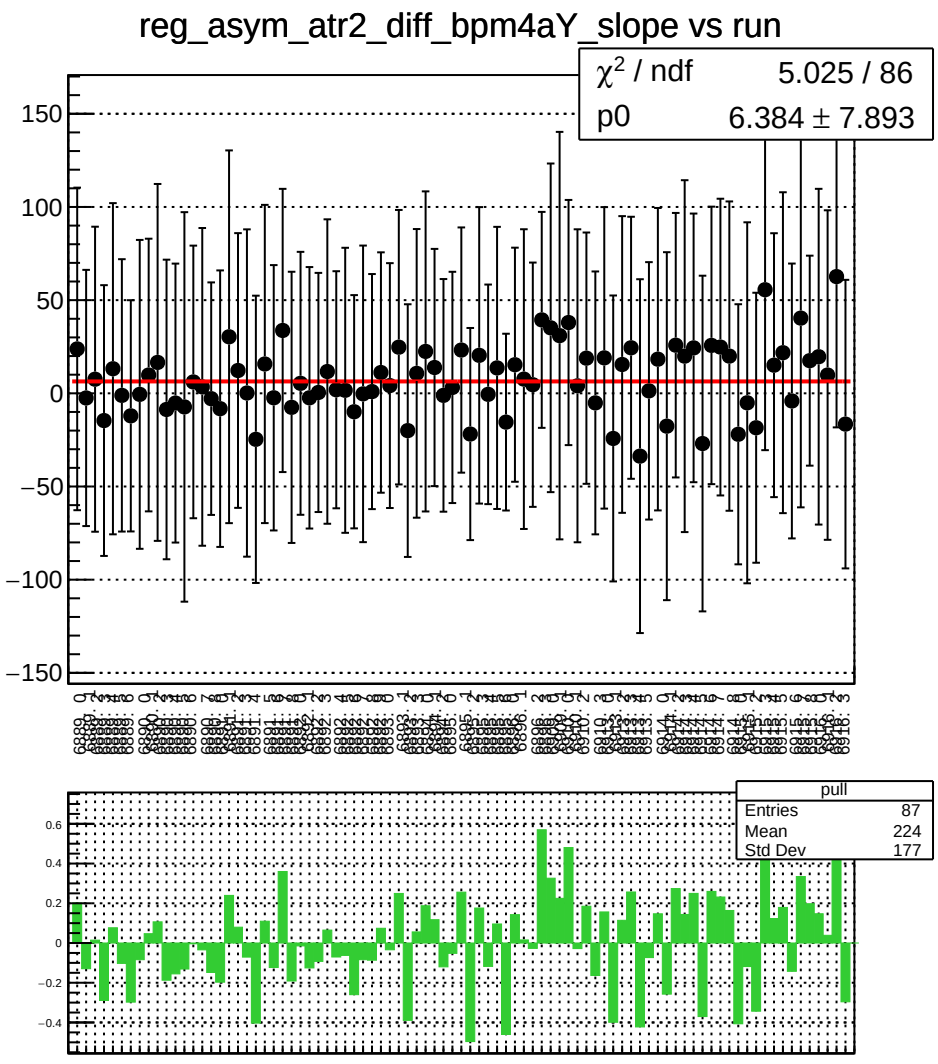

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 95.97 / 86
p0 −15.19 ± 2.499
pull
Entries 87
Mean −5.892
Std Dev 193.1

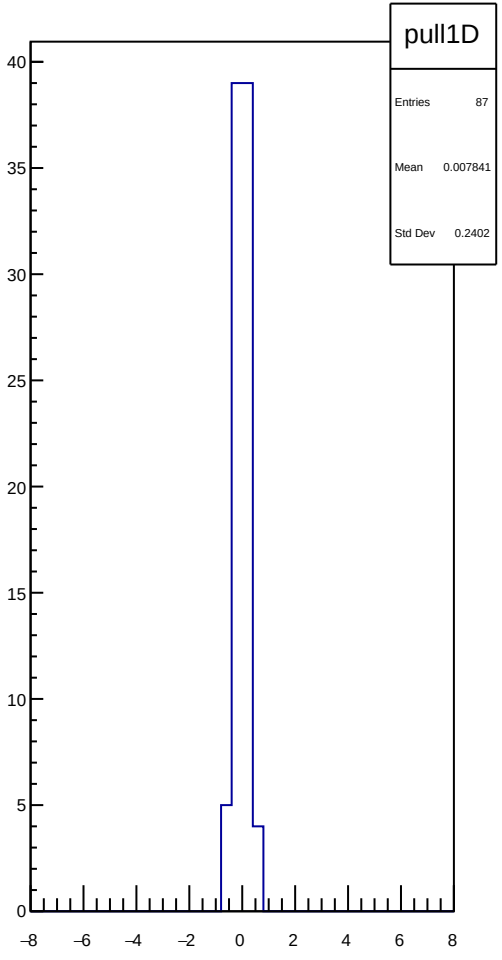

pull1D
Entries 87
Mean 0.002441
Std Dev 1.05

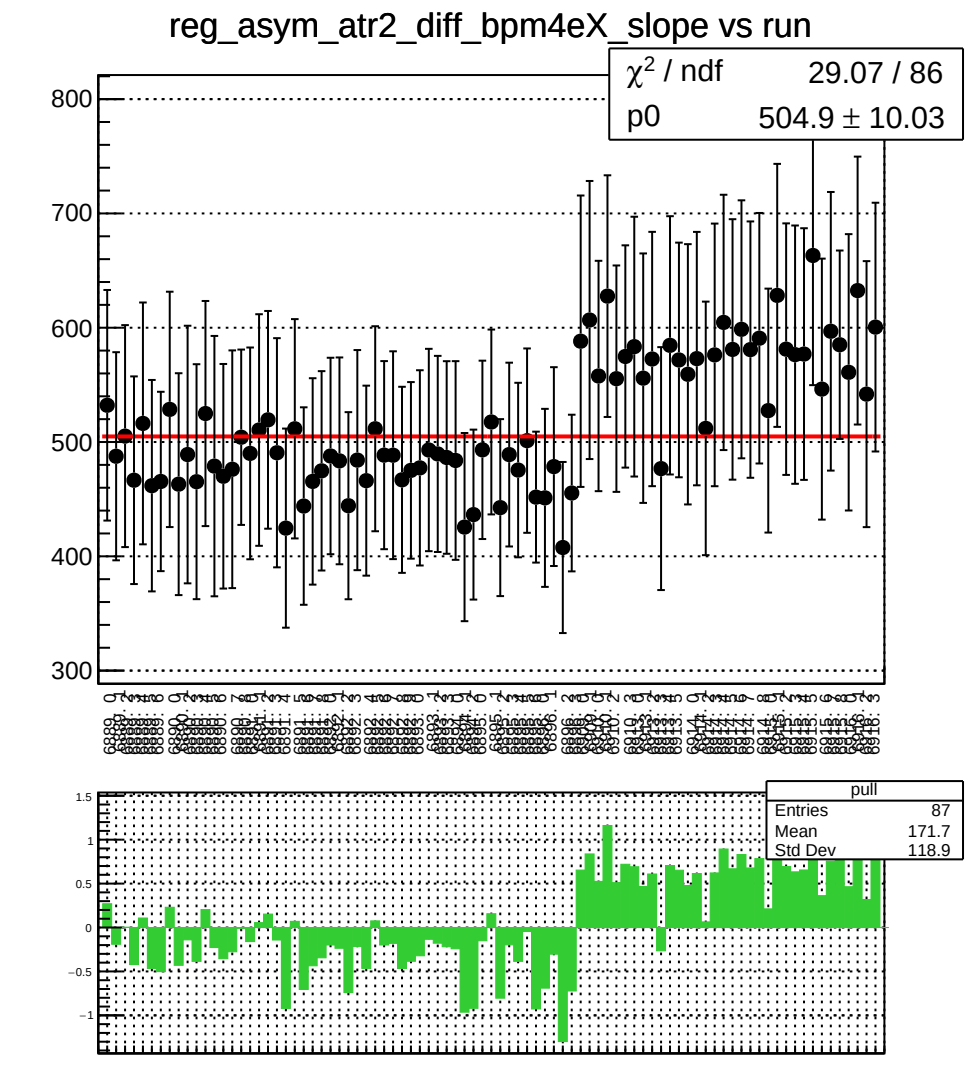

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 604.4 / 86
p0 −15.78 ± 0.1097
pull
Entries 87
Mean 712.1
Std Dev 664.2

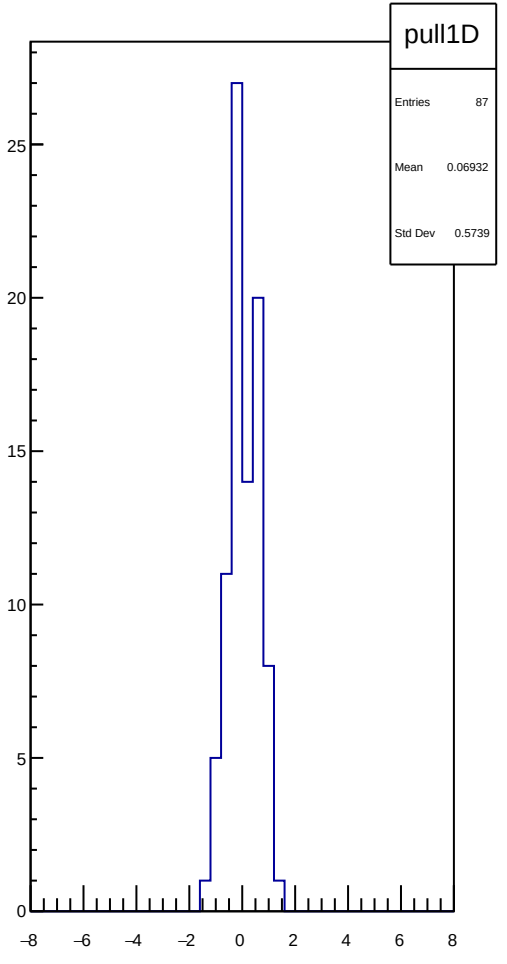

pull1D
Entries 87
Mean −0.07271
Std Dev 2.635

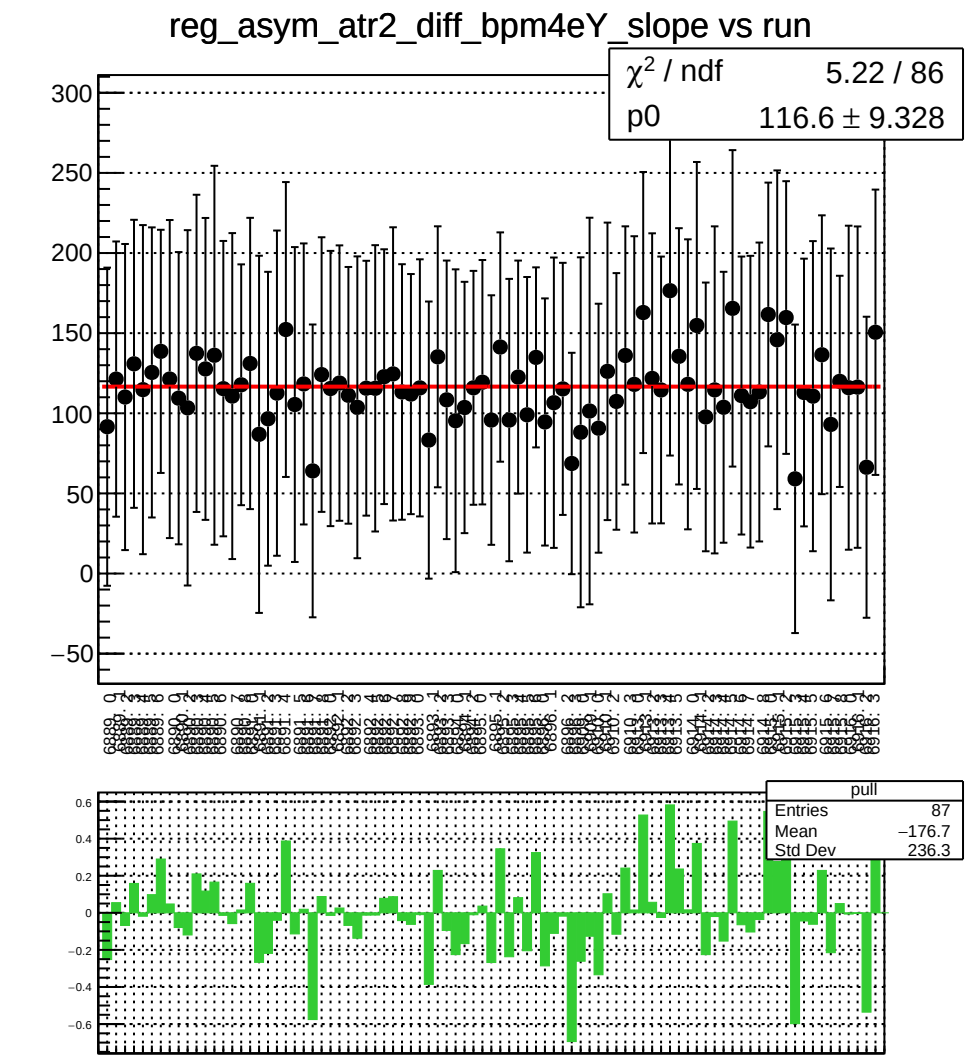

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 33.59 / 86
p0 −419.2 ± 10.48
−200
−300
−400
−500
−600
−700
pull
Entries 87
Mean 161.1
Std Dev 108.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.08347
Std Dev 0.6157
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

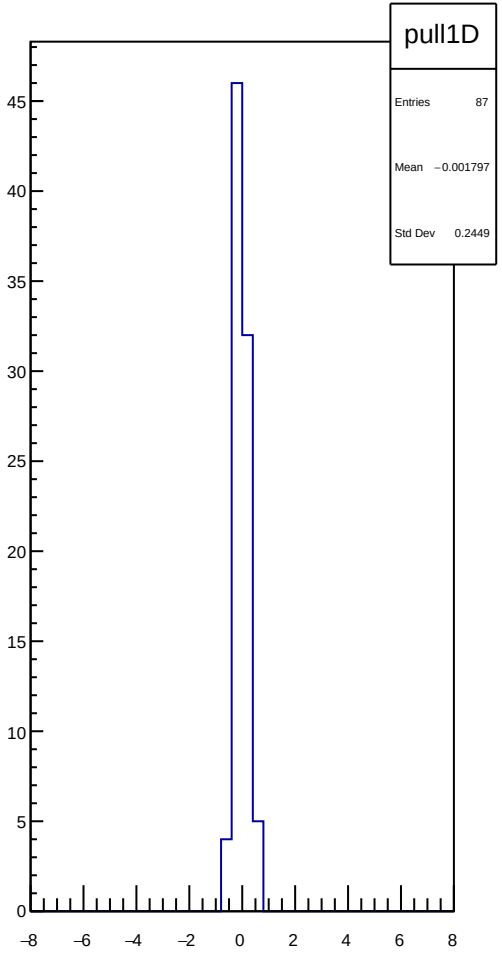

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 5.025 / 86
p0 6.384 ± 7.893
pull
Entries 87
Mean 224
Std Dev 177

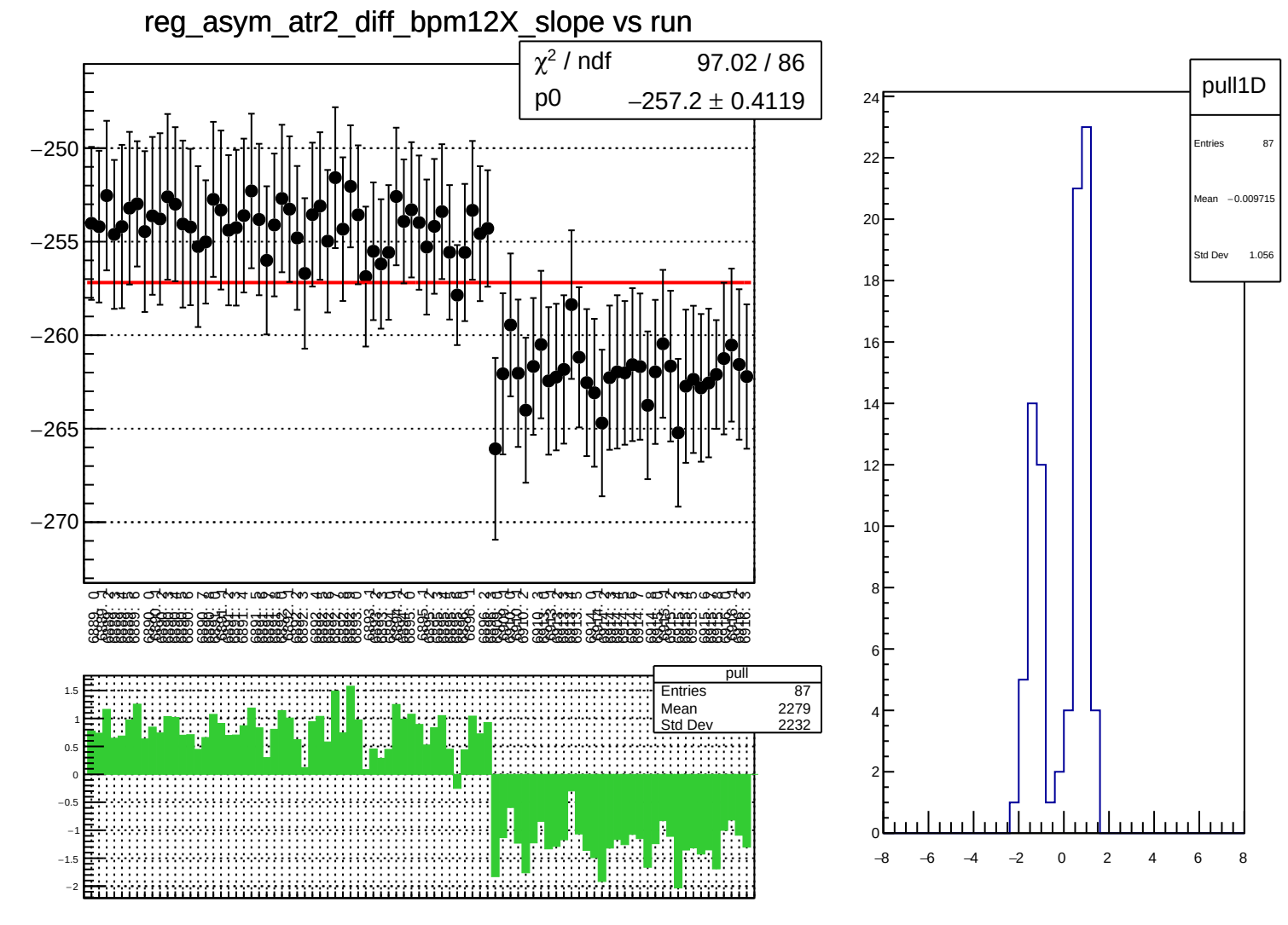

pull1D
Entries 87
Mean 0.007841
Std Dev 0.2402

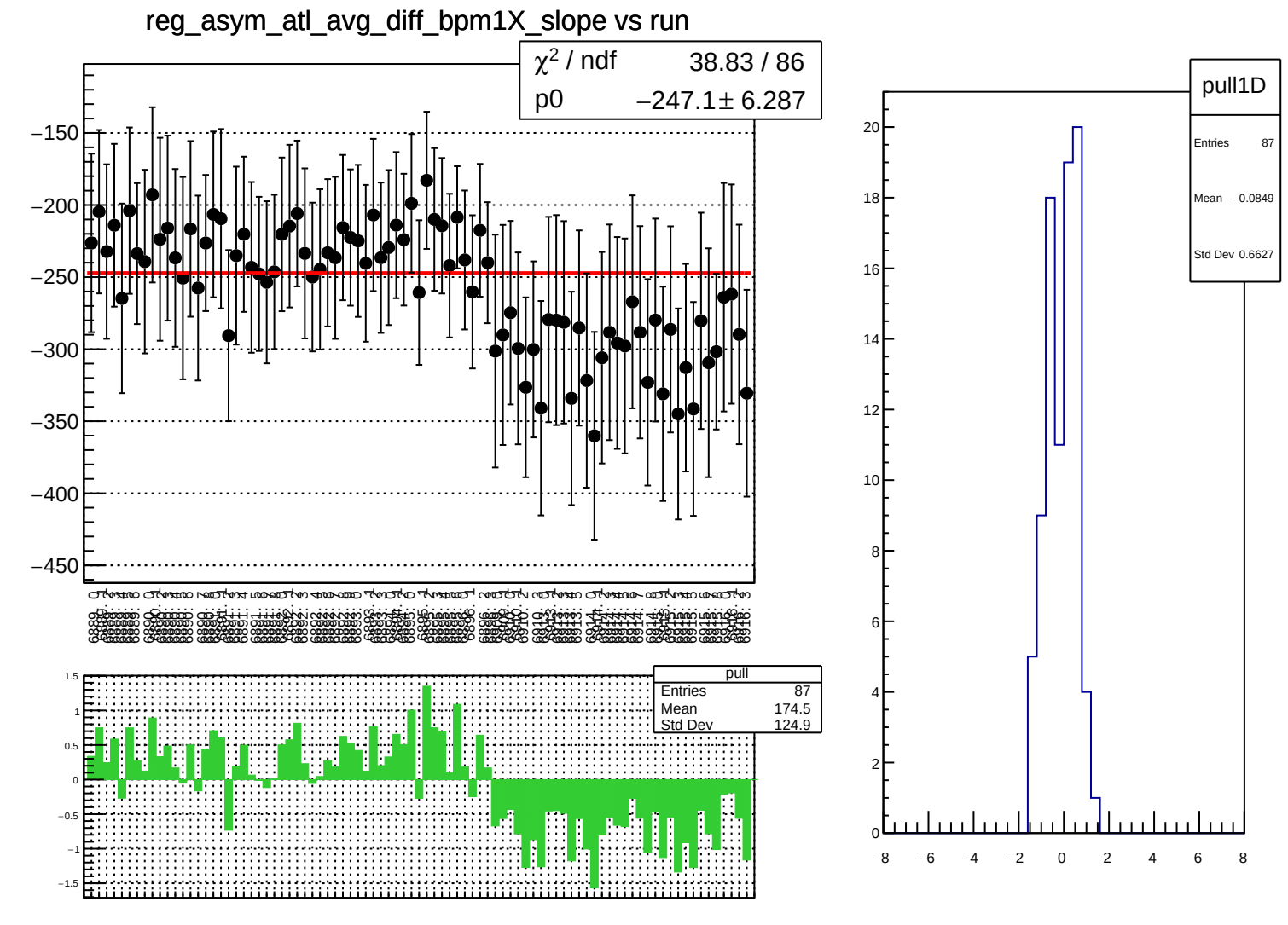

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 29.07 / 86
p0 504.9 ± 10.03
800
700
600
500
400
300
pull
Entries 87
Mean 171.7
Std Dev 118.9
1.5
1
0.5
0
−0.5
−1

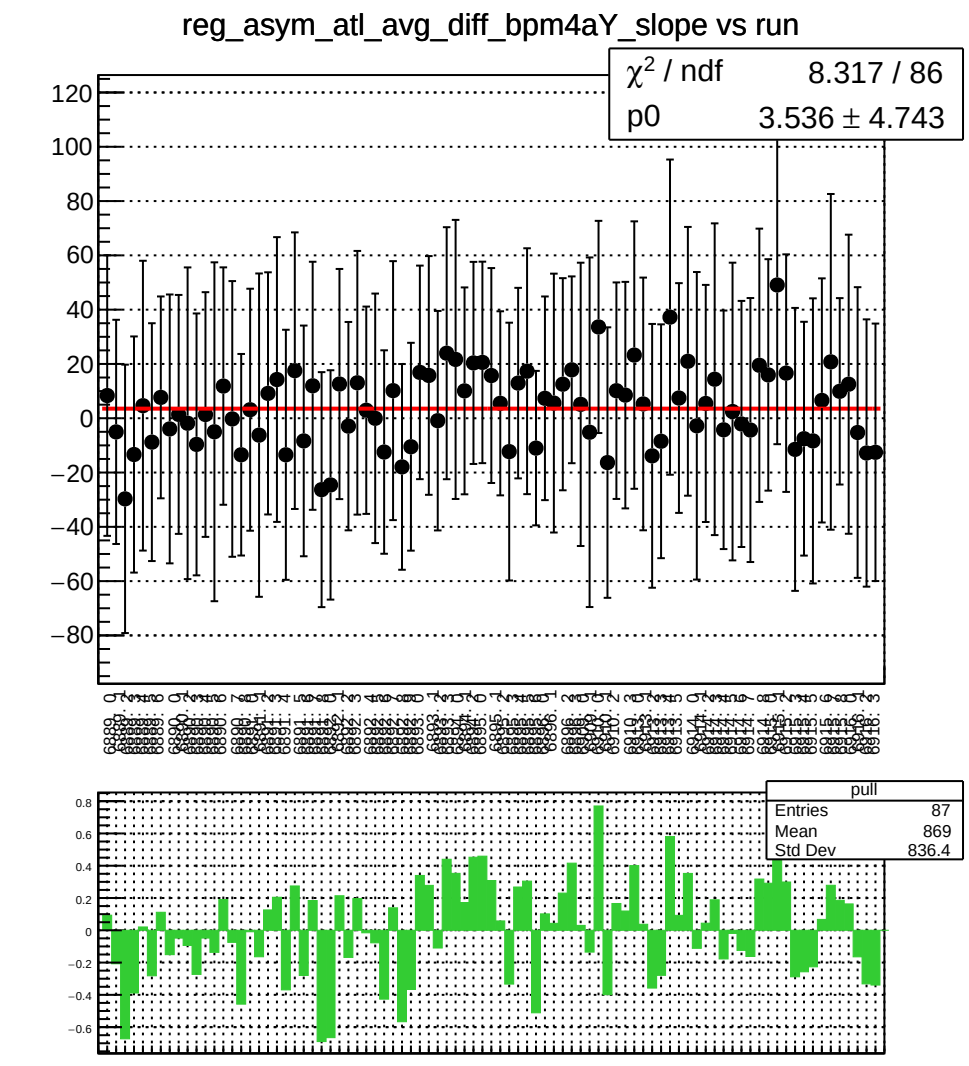

pull1D
Entries 87
Mean 0.06932
Std Dev 0.5739
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

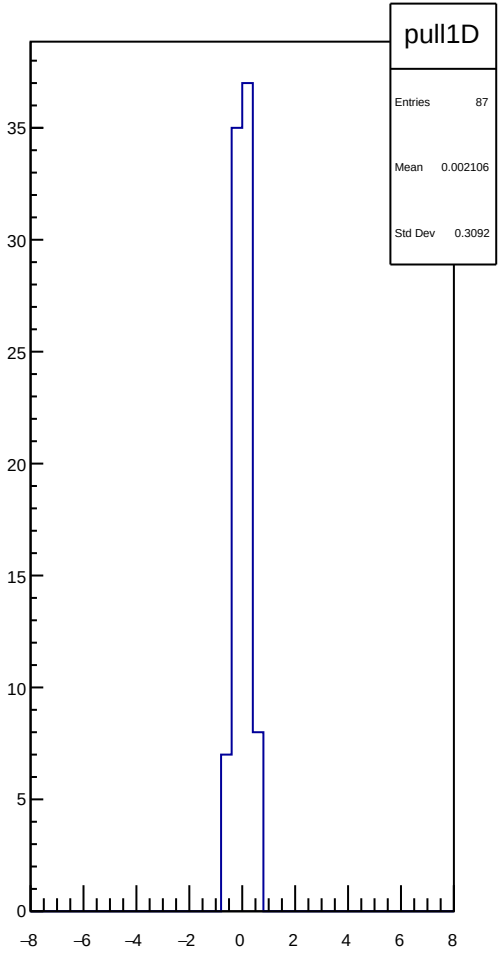

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 5.22 / 86
p0 116.6 ± 9.328
pull
Entries 87
Mean −176.7
Std Dev 236.3

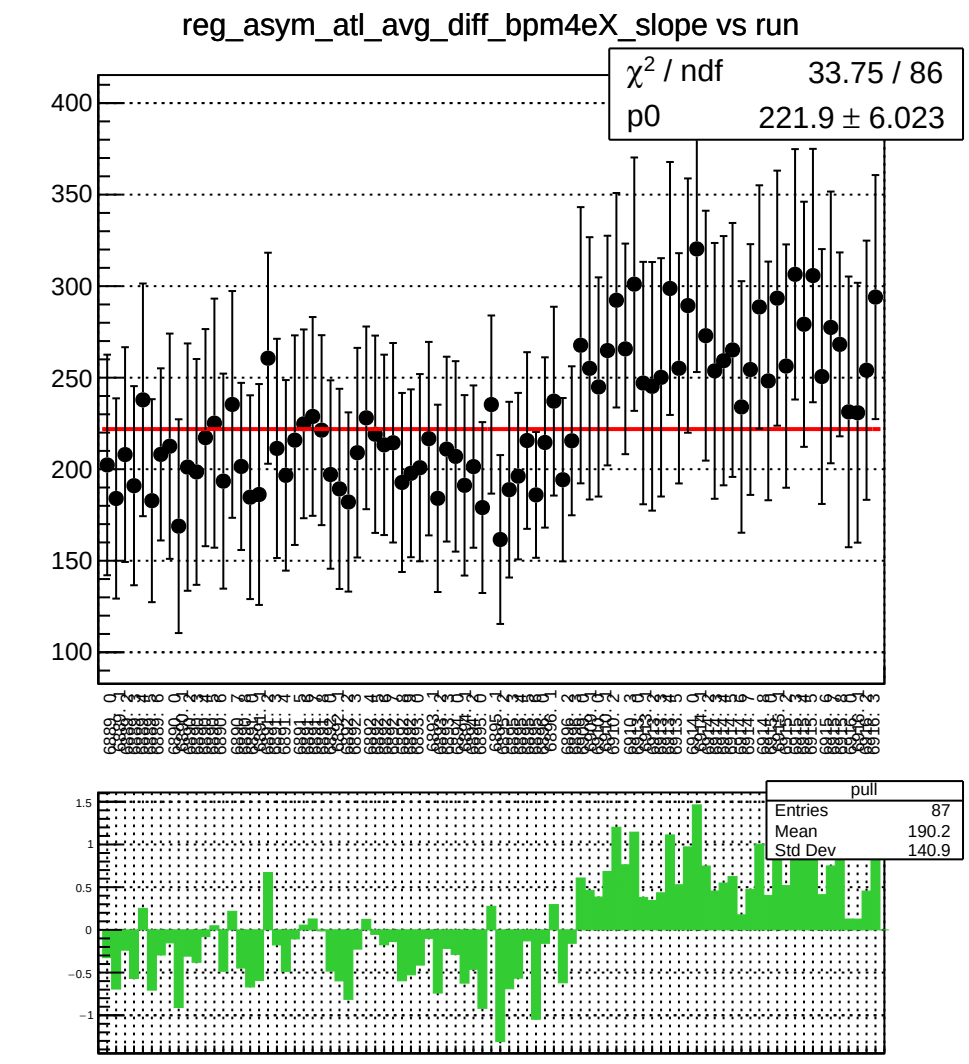

pull1D
Entries 87
Mean −0.001797
Std Dev 0.2449

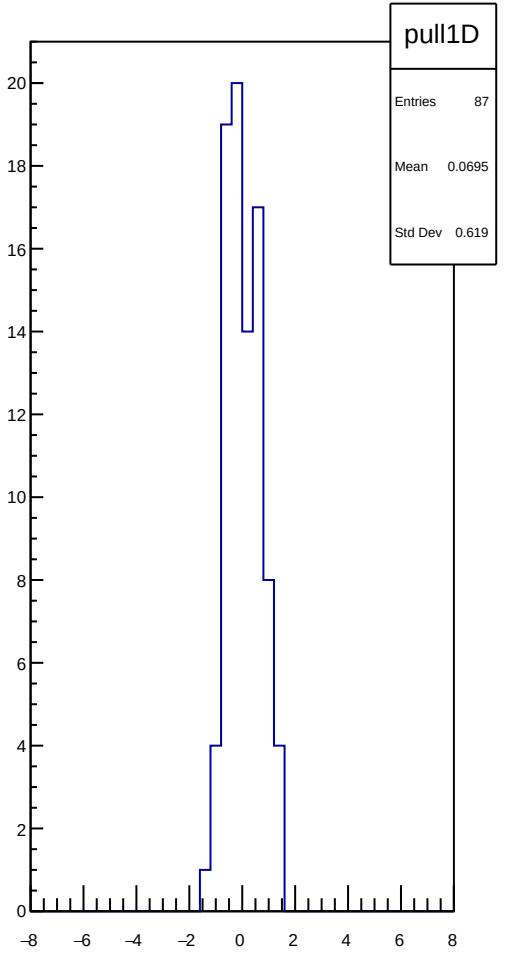

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 97.02 / 86
p0 −257.2 ± 0.4119
−250
−255
−260
−265
−270
pull
Entries 87
Mean 2279
Std Dev 2232
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.009715
Std Dev 1.056
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

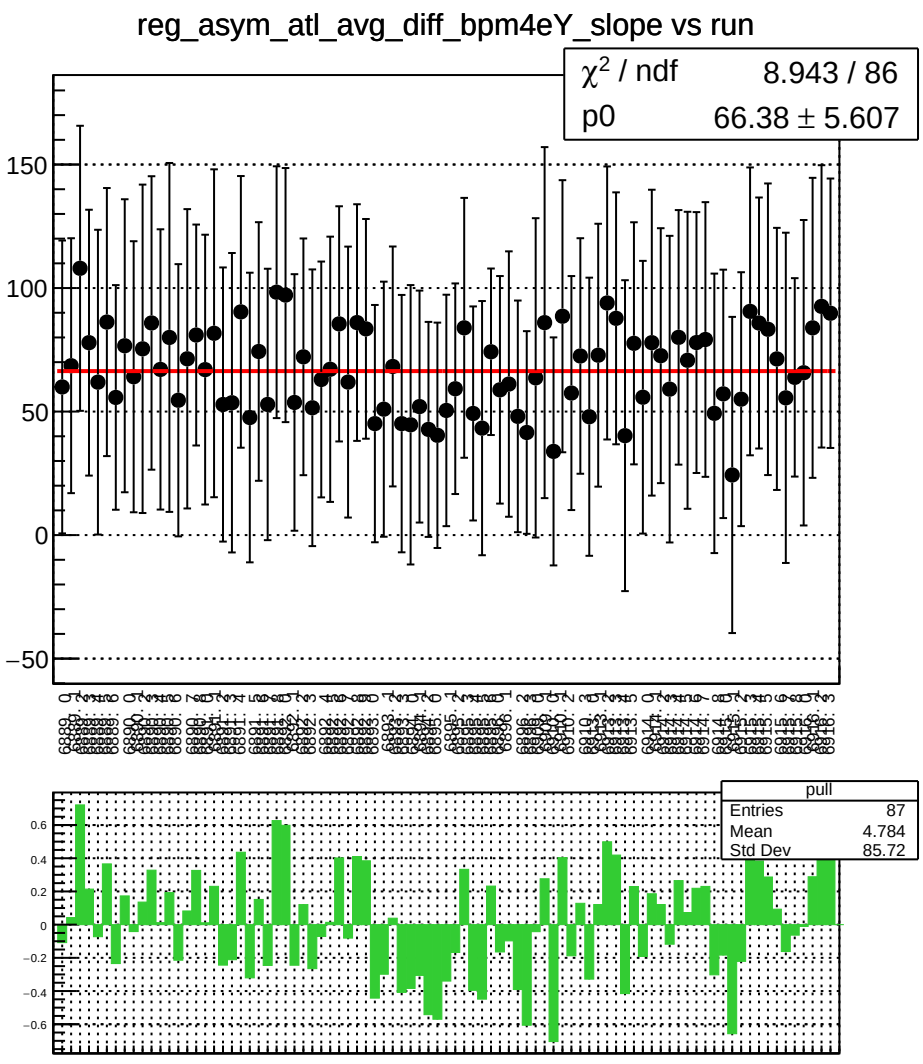

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 38.83 / 86
p0 −247.1± 6.287
−150
−200
−250
−300
−350
−400
−450
pull
Entries 87
Mean 174.5
Std Dev 124.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.0849
Std Dev 0.6627
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

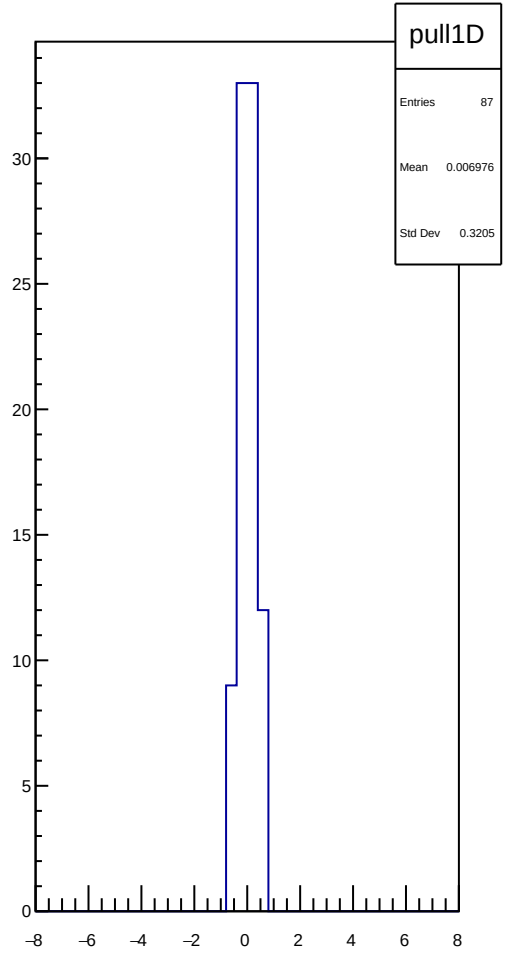

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.317 / 86
p0 3.536 ± 4.743
pull
Entries 87
Mean 869
Std Dev 836.4

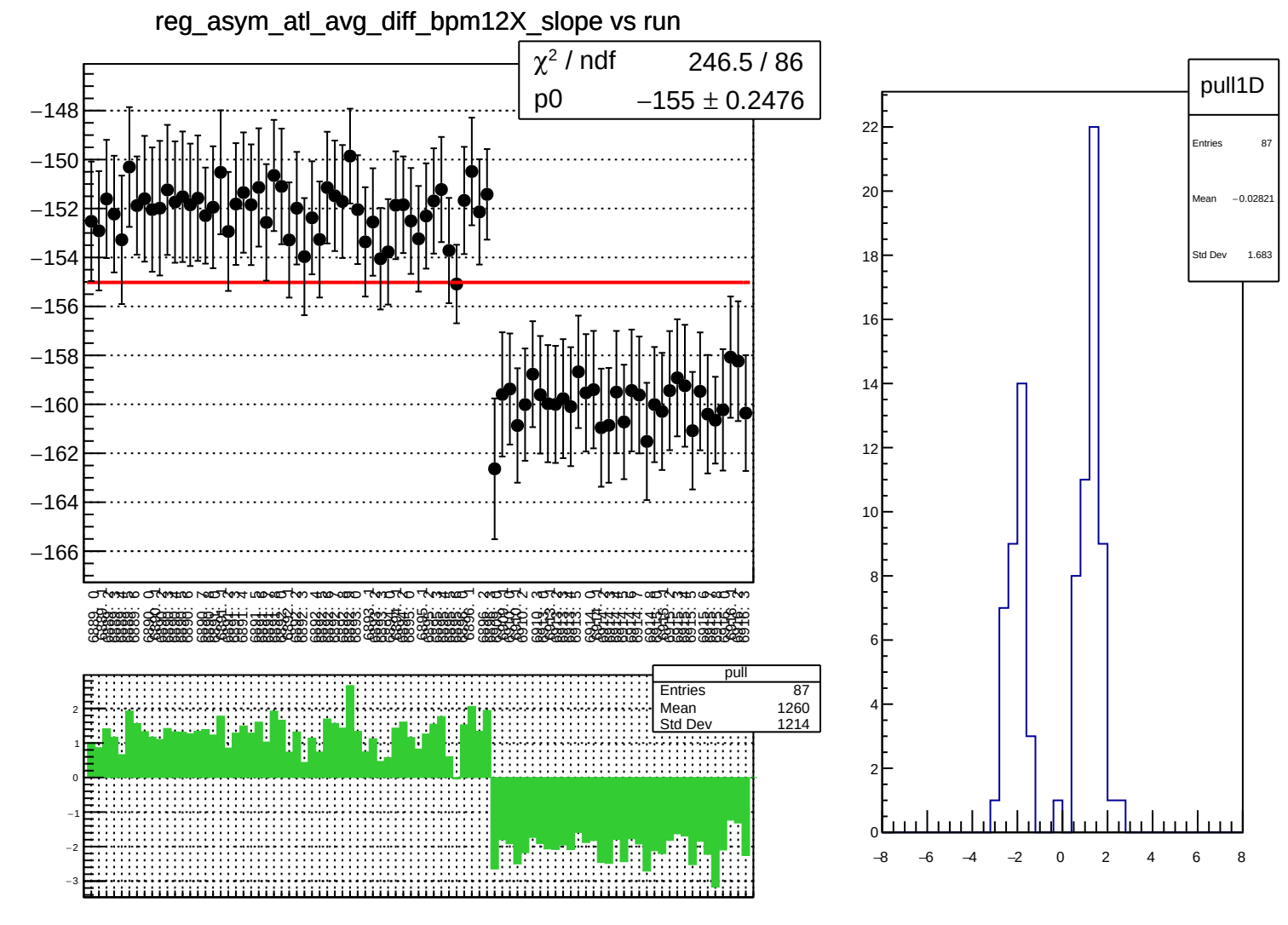

pull1D
Entries 87
Mean 0.002106
Std Dev 0.3092

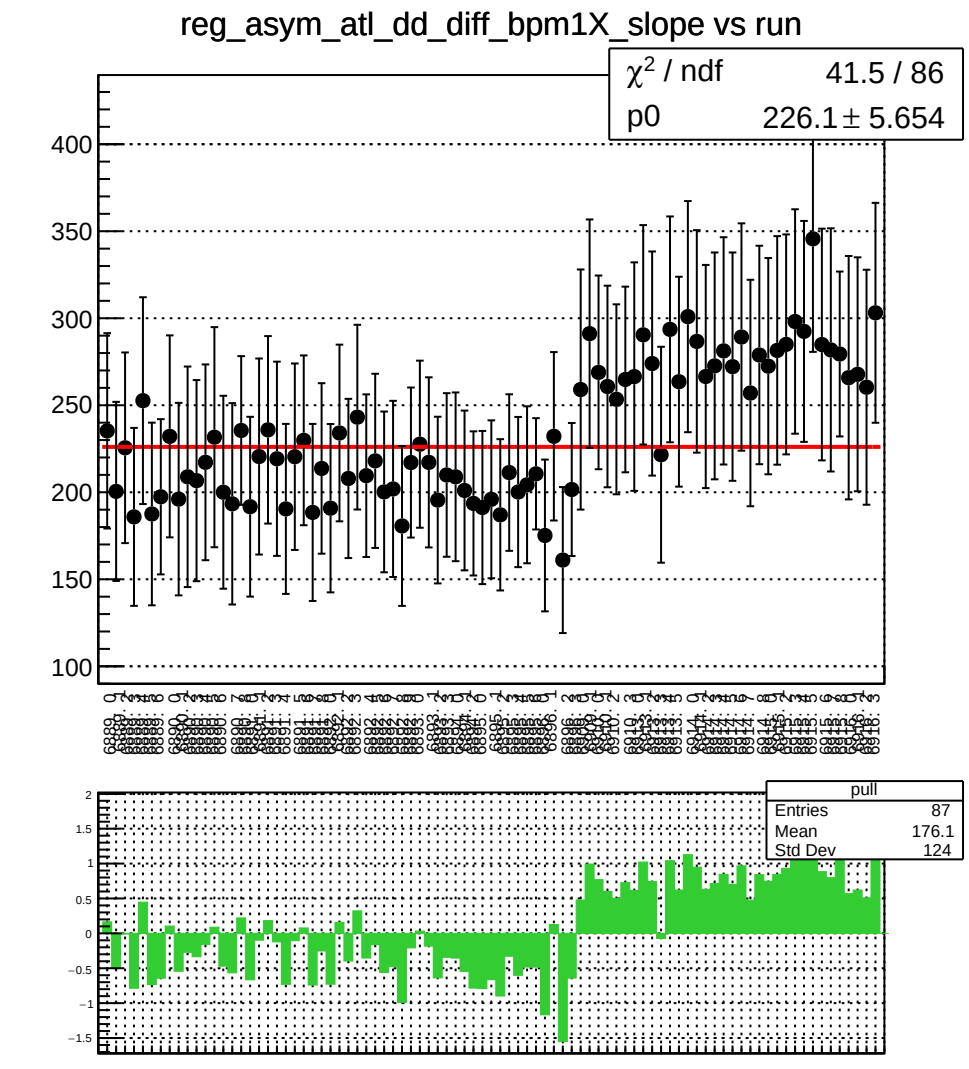

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.75 / 86
p0 221.9 ± 6.023
pull
Entries 87
Mean 190.2
Std Dev 140.9

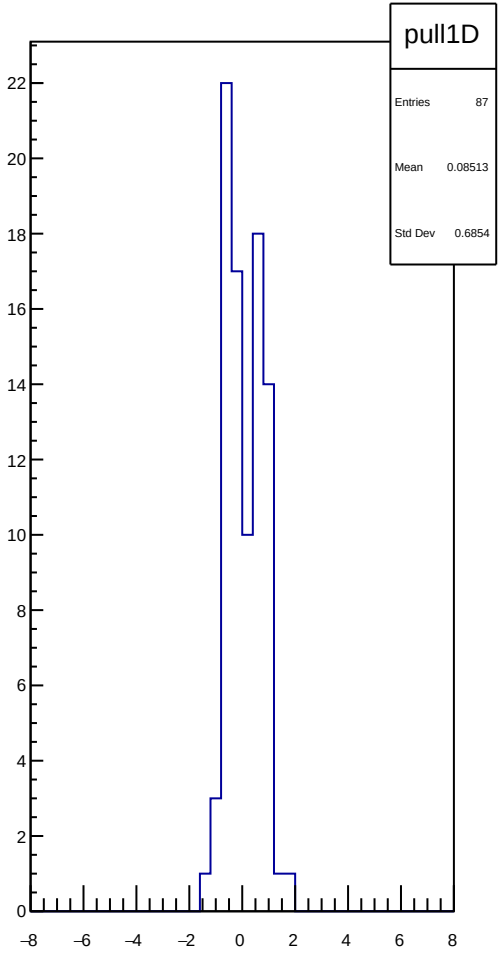

pull1D
Entries 87
Mean 0.0695
Std Dev 0.619

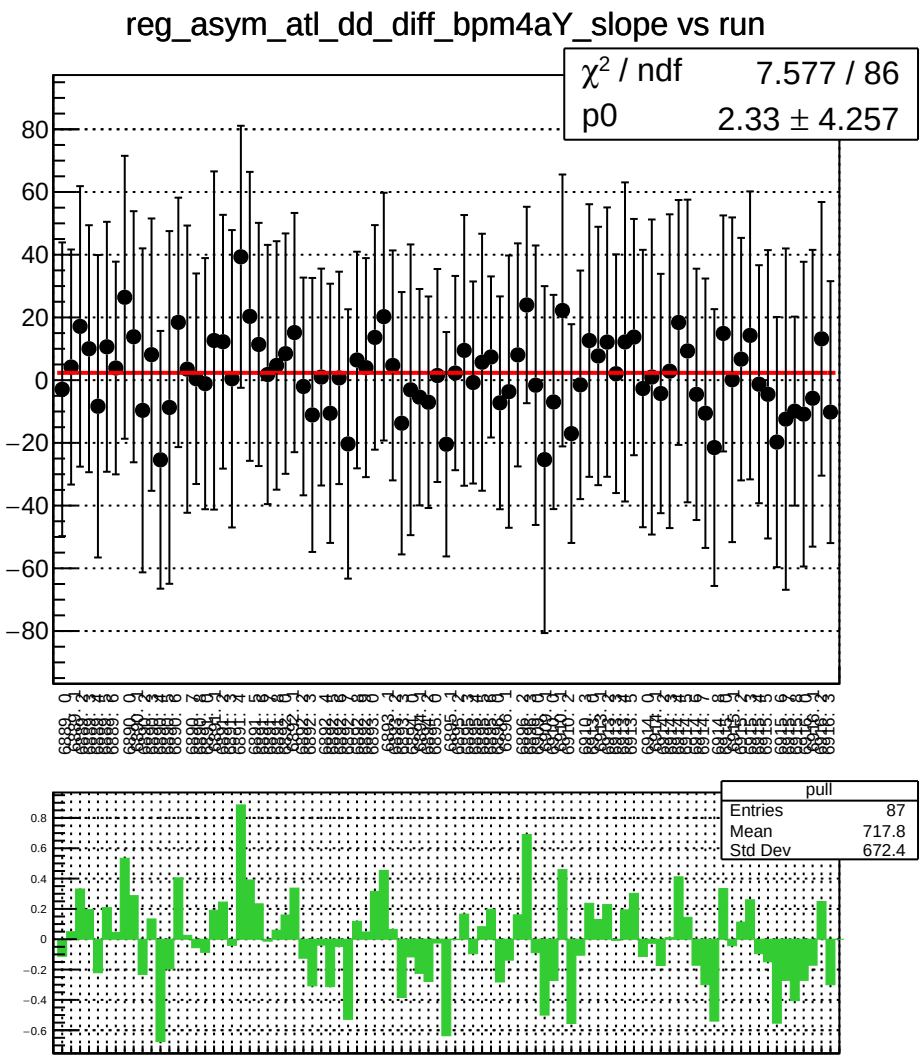

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.943 / 86
p0 66.38 ± 5.607
150
100
50
0
−50
pull
Entries 87
Mean 4.784
Std Dev 85.72
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

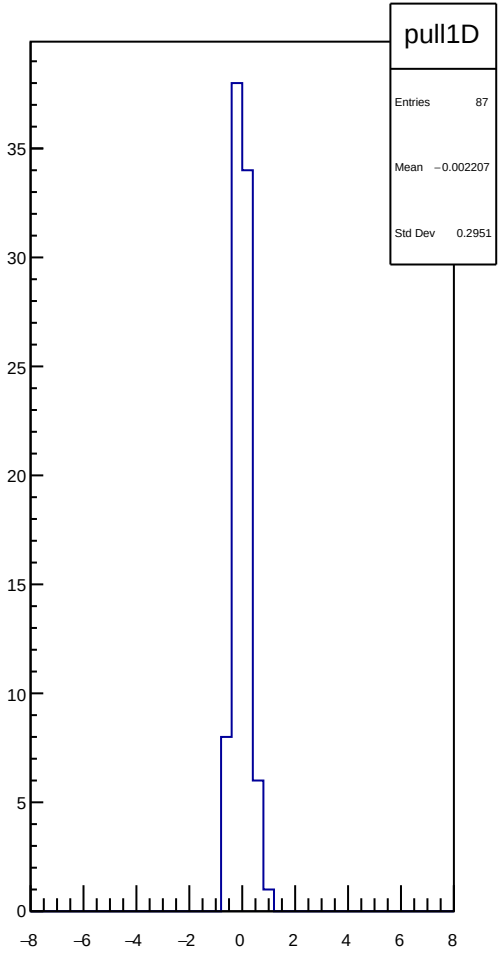

pull1D
Entries 87
Mean 0.006976
Std Dev 0.3205
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

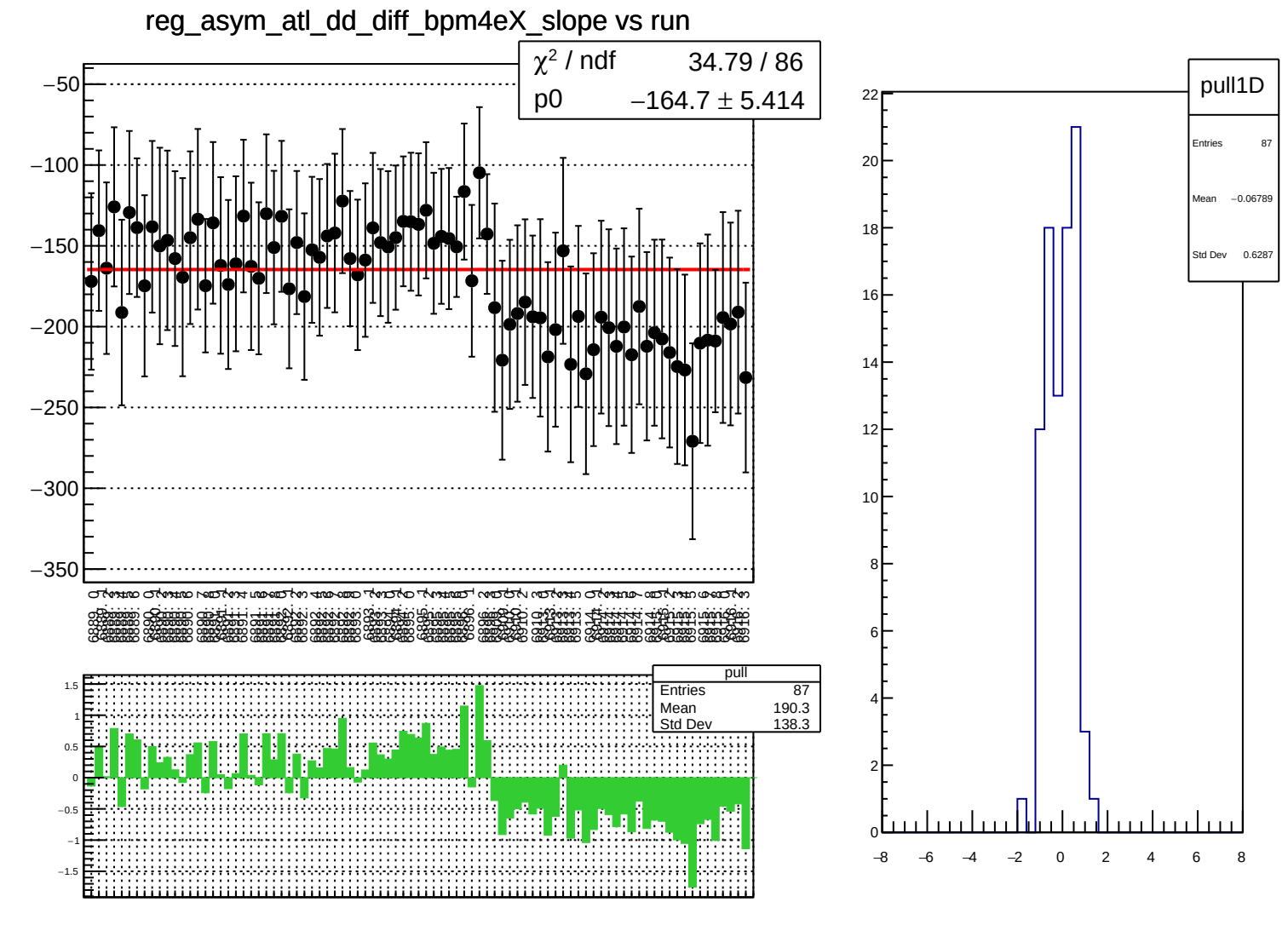

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 246.5 / 86
p0 −155 ± 0.2476
−148
−150
−152
−154
−156
−158
−160
−162
−164
−166
pull
Entries 87
Mean 1260
Std Dev 1214
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.02821
Std Dev 1.683
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

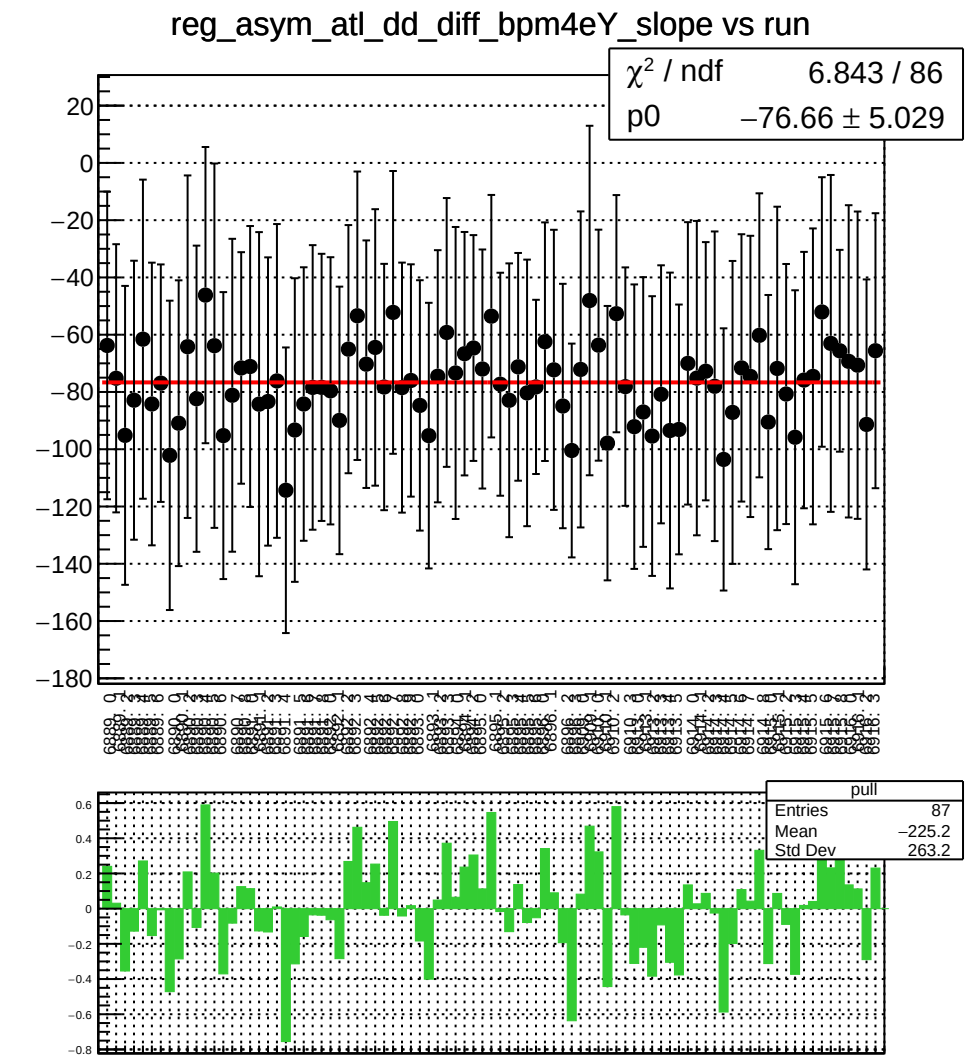

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 41.5 / 86
p0 226.1 ± 5.654
pull
Entries 87
Mean 176.1
Std Dev 124

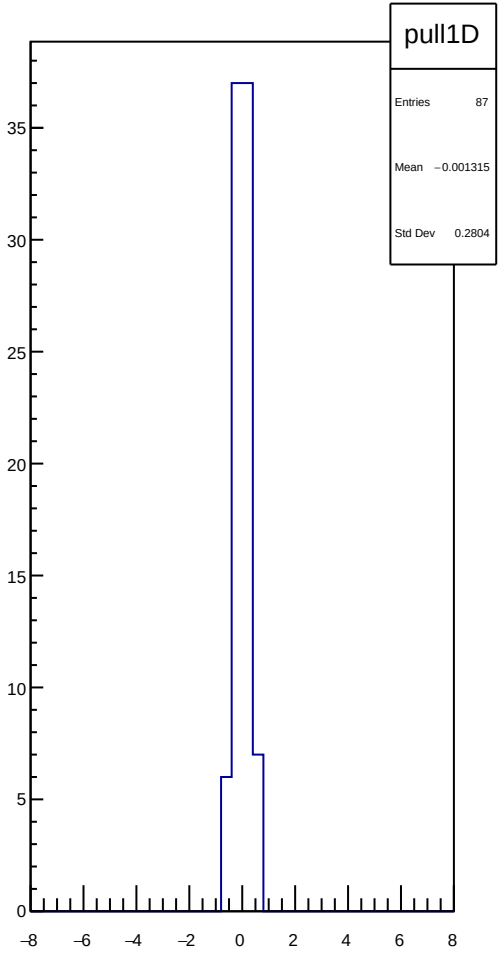

pull1D
Entries 87
Mean 0.08513
Std Dev 0.6854

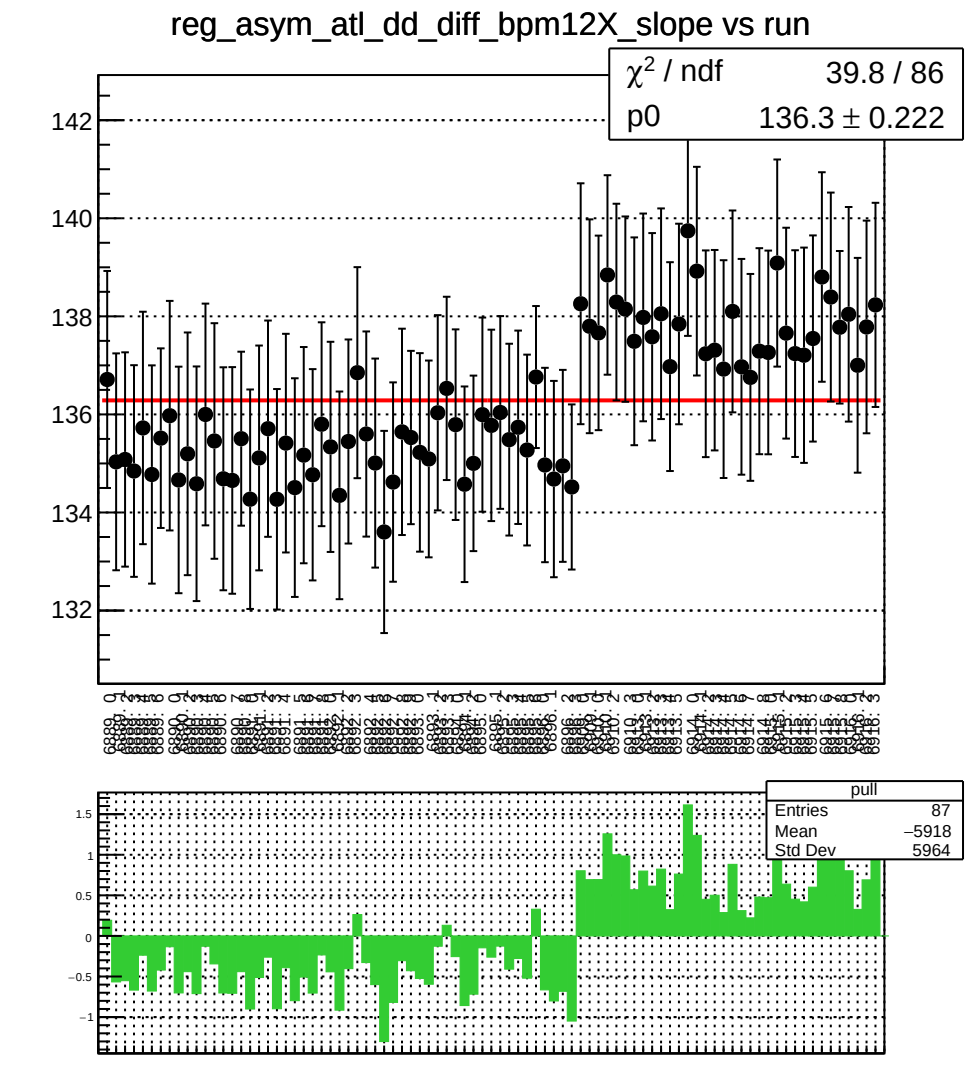

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.577 / 86
p0 2.33 ± 4.257
pull
Entries 87
Mean 717.8
Std Dev 672.4

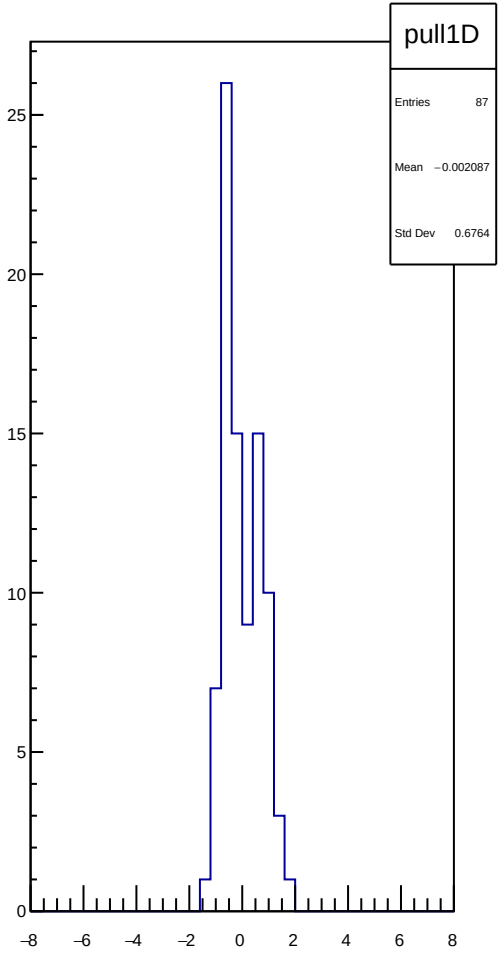

pull1D
Entries 87
Mean −0.002207
Std Dev 0.2951

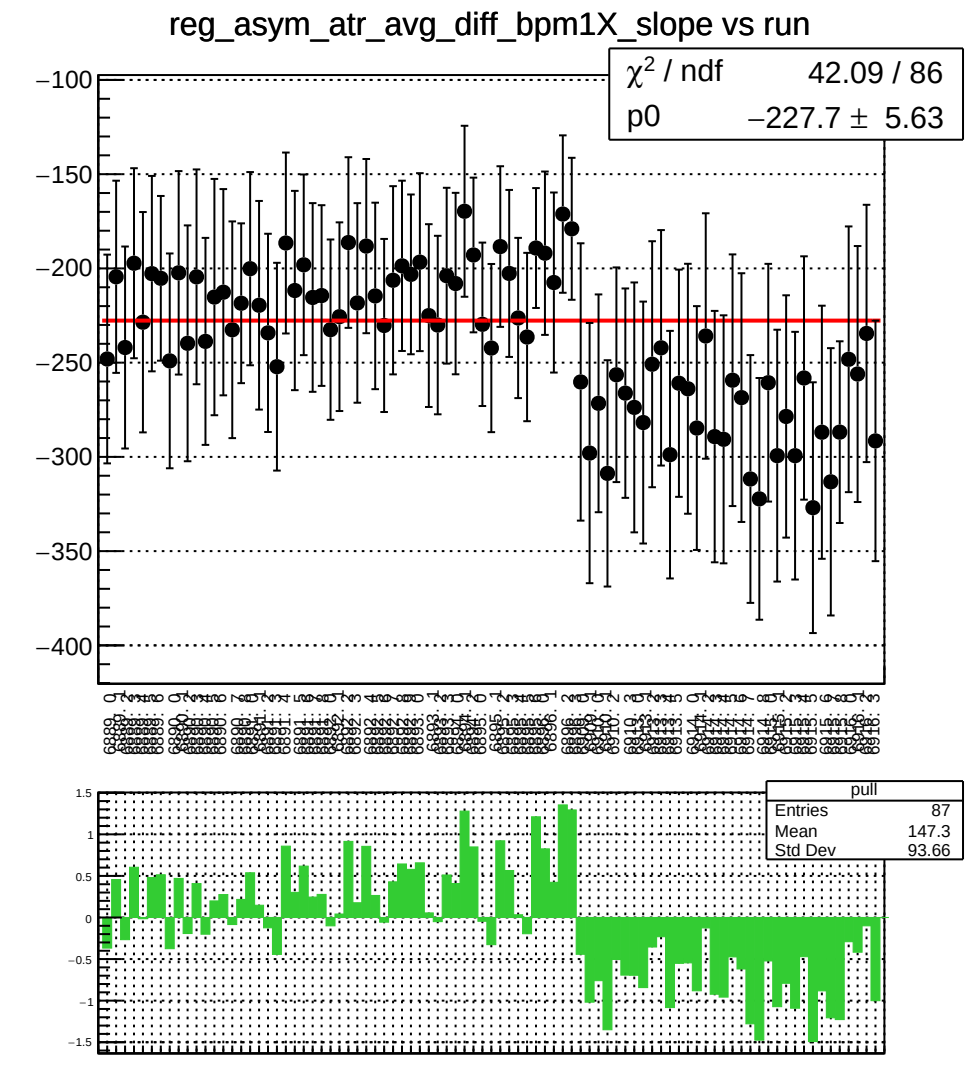

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.79 / 86
p0 −164.7 ± 5.414
pull
Entries 87
Mean 190.3
Std Dev 138.3
pull1D
Entries 87
Mean −0.06789
Std Dev 0.6287

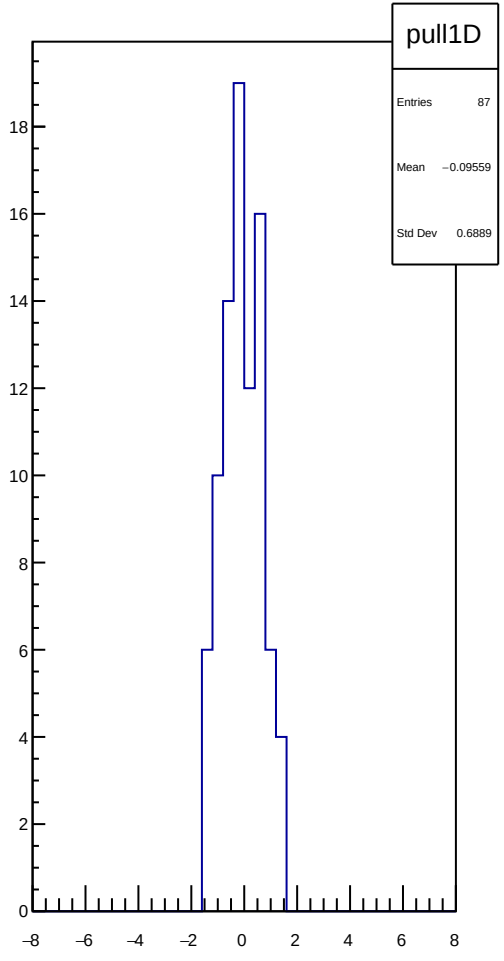

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.843 / 86
p0 −76.66 ± 5.029
pull
Entries 87
Mean −225.2
Std Dev 263.2

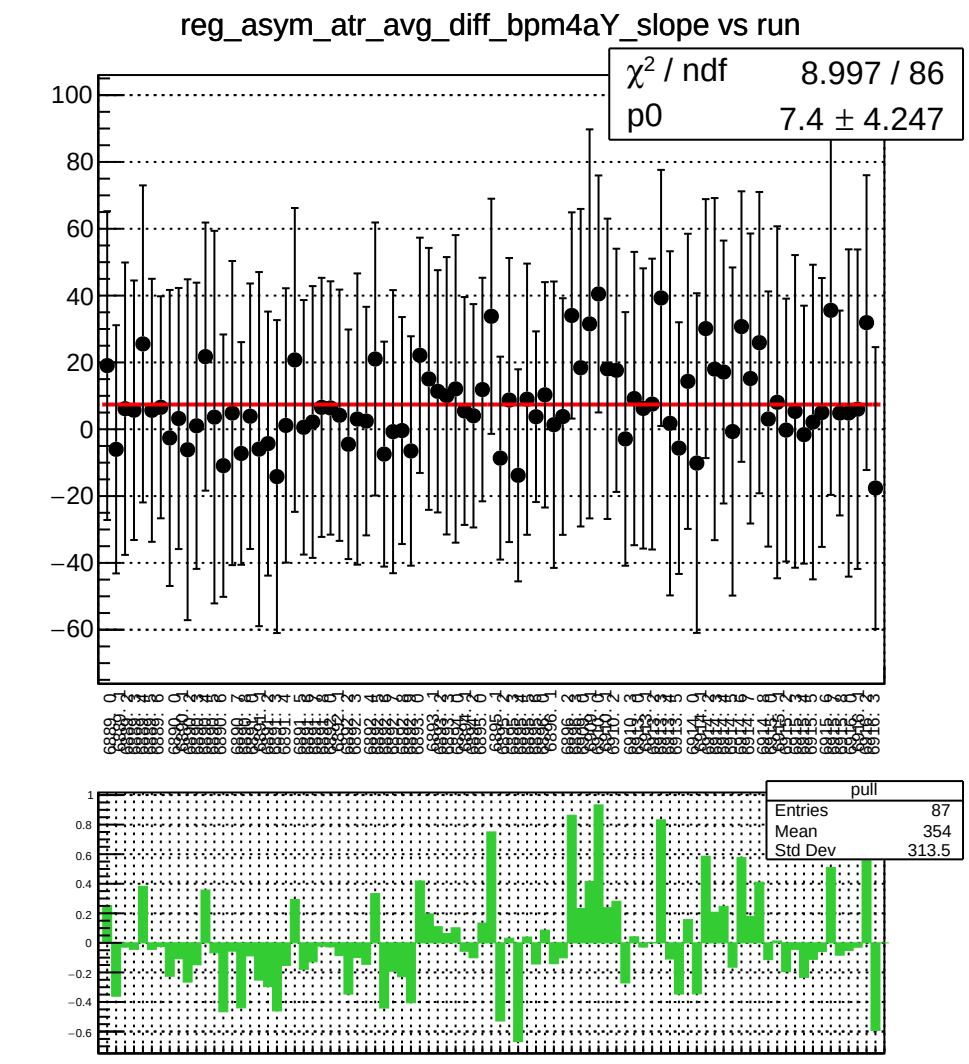

pull1D
Entries 87
Mean −0.001315
Std Dev 0.2804

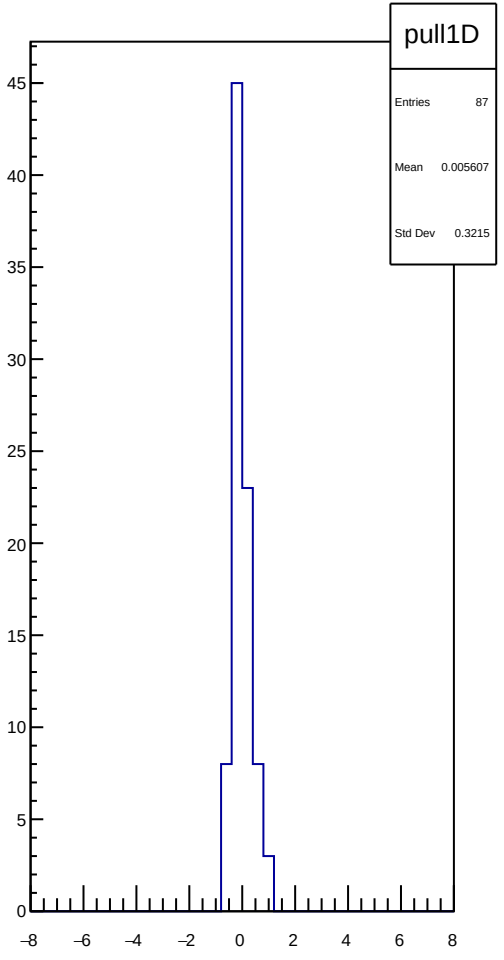

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 39.8 / 86
p0 136.3 ± 0.222
142
140
138
136
134
132
pull
Entries 87
Mean −5918
Std Dev 5964
1.5
1
0.5
0
−0.5
−1

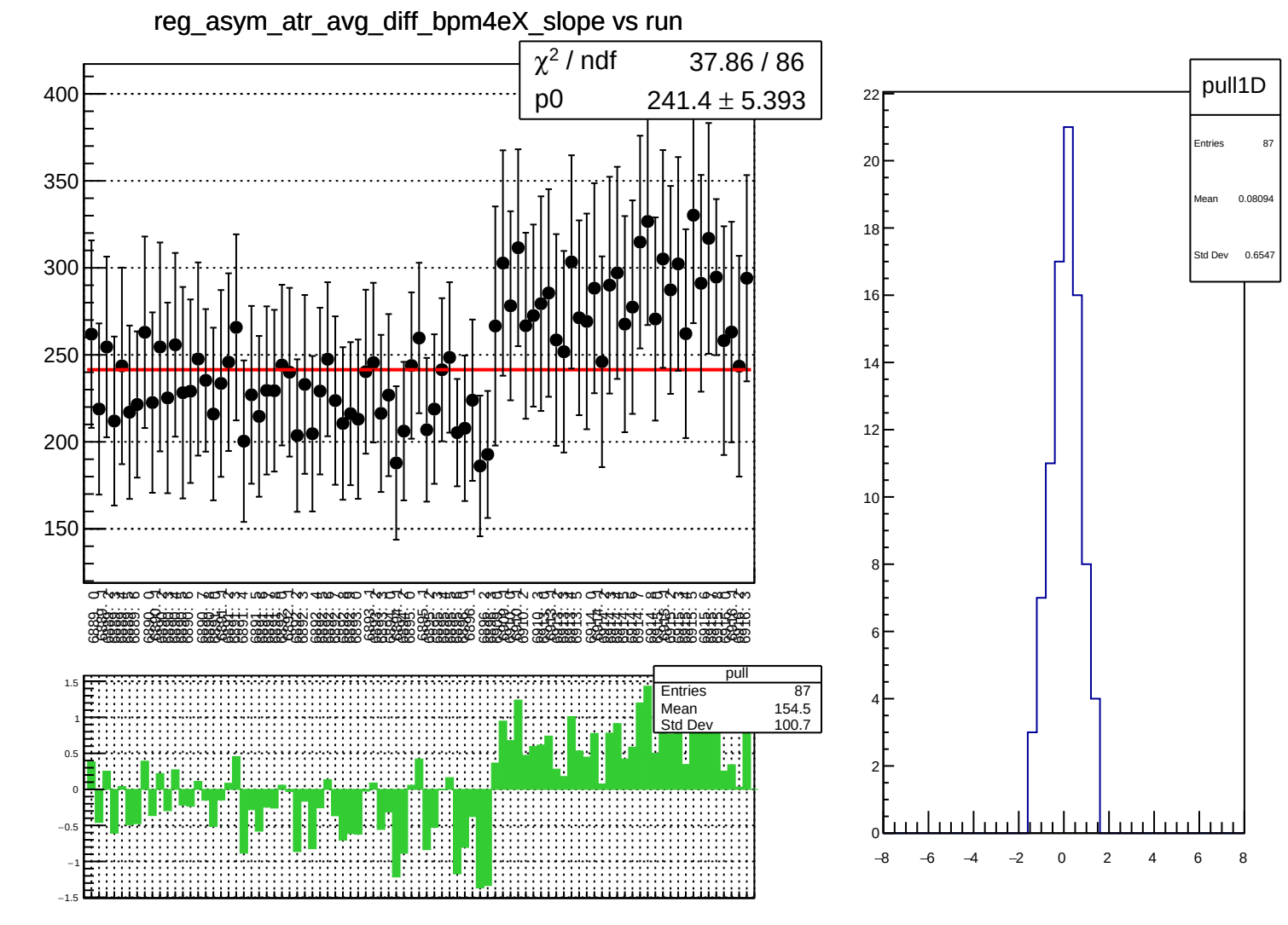

pull1D
Entries 87
Mean −0.002087
Std Dev 0.6764
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

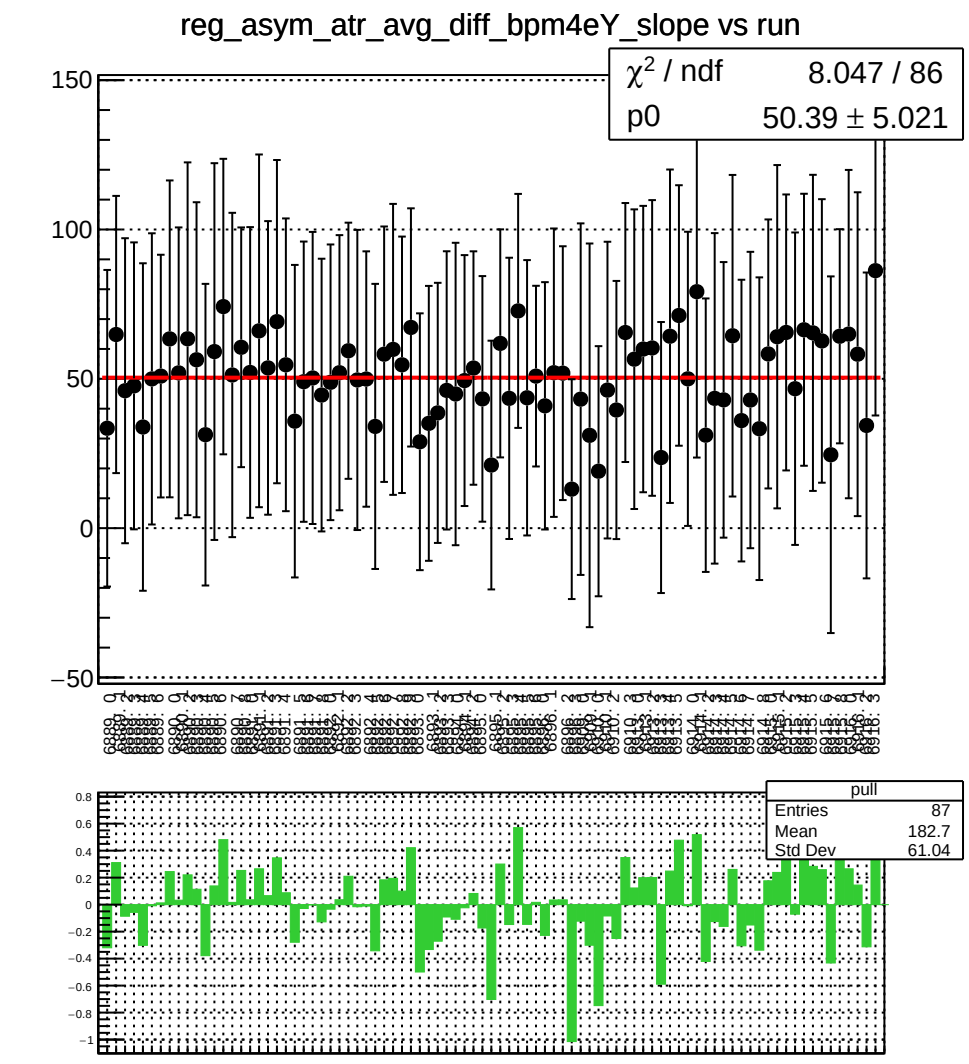

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 42.09 / 86
p0 −227.7 ± 5.63
−100
−150
−200
−250
−300
−350
−400
pull
Entries 87
Mean 147.3
Std Dev 93.66
1.5
1
0.5
0
−0.5
−1
−1.5

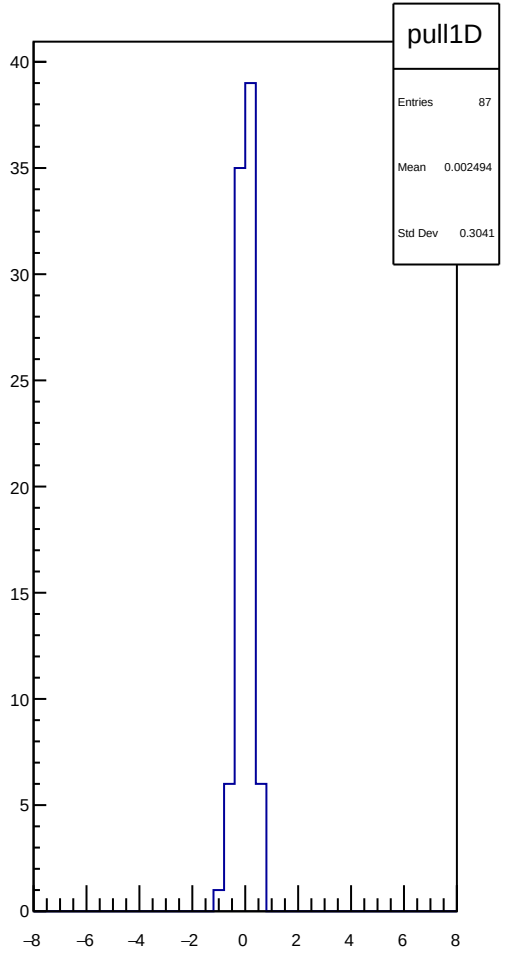

pull1D
Entries 87
Mean −0.09559
Std Dev 0.6889
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

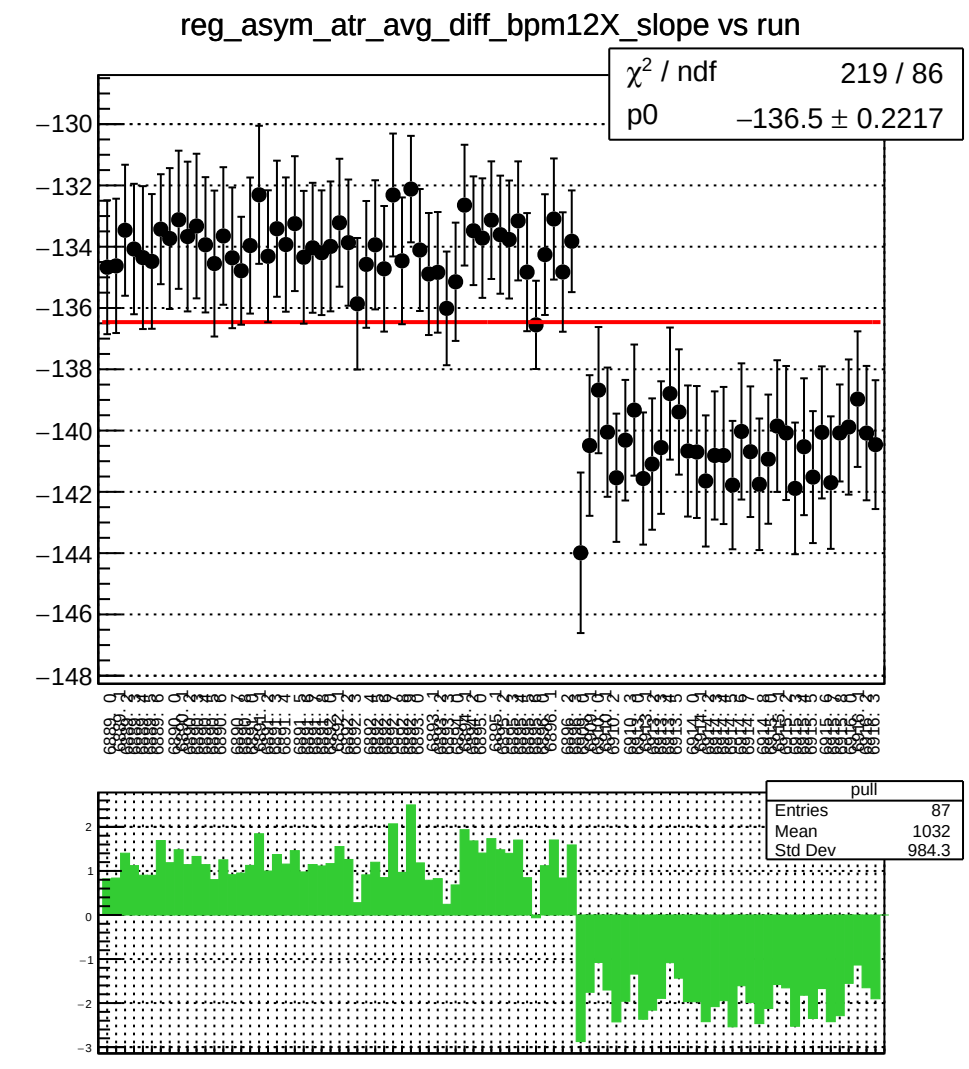

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.997 / 86
p0 7.4 ± 4.247
pull
Entries 87
Mean 354
Std Dev 313.5

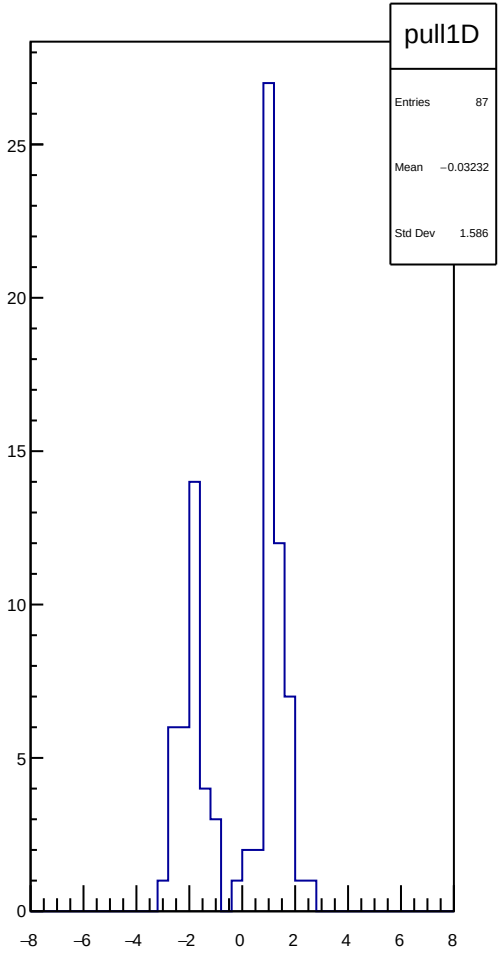

pull1D
Entries 87
Mean 0.005607
Std Dev 0.3215

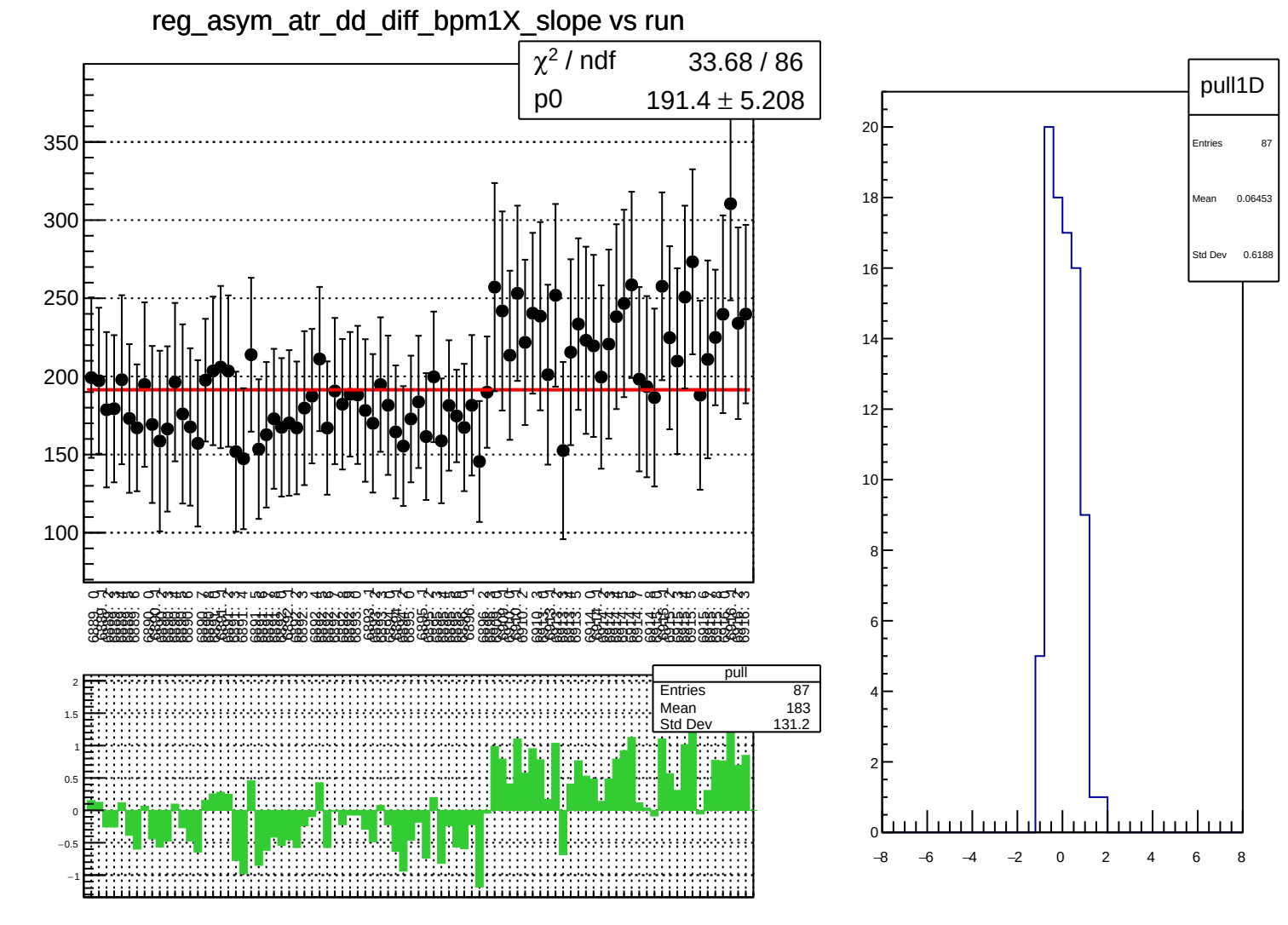

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.86 / 86
p0 241.4 ± 5.393
400
350
300
250
200
150
pull
Entries 87
Mean 154.5
Std Dev 100.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.08094
Std Dev 0.6547
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

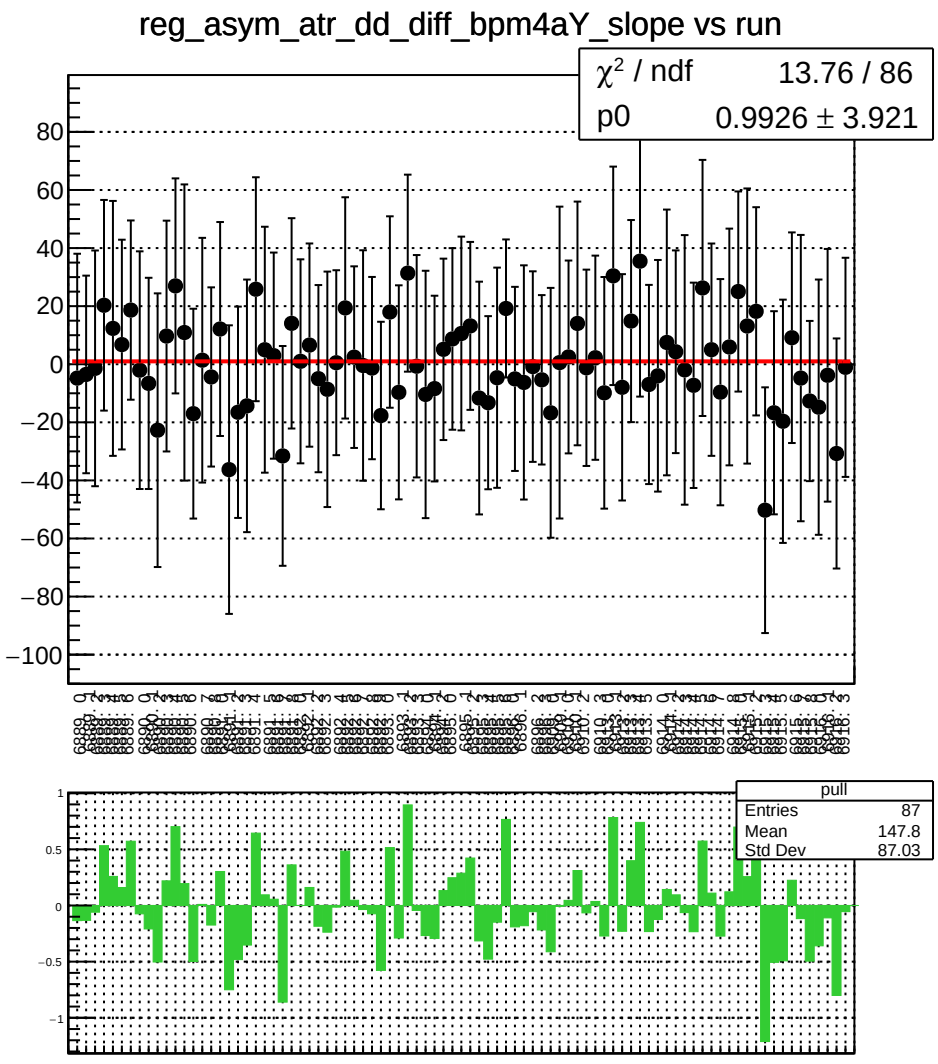

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.047 / 86
p0 50.39 ± 5.021
150
100
50
0
−50
pull
Entries 87
Mean 182.7
Std Dev 61.04
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

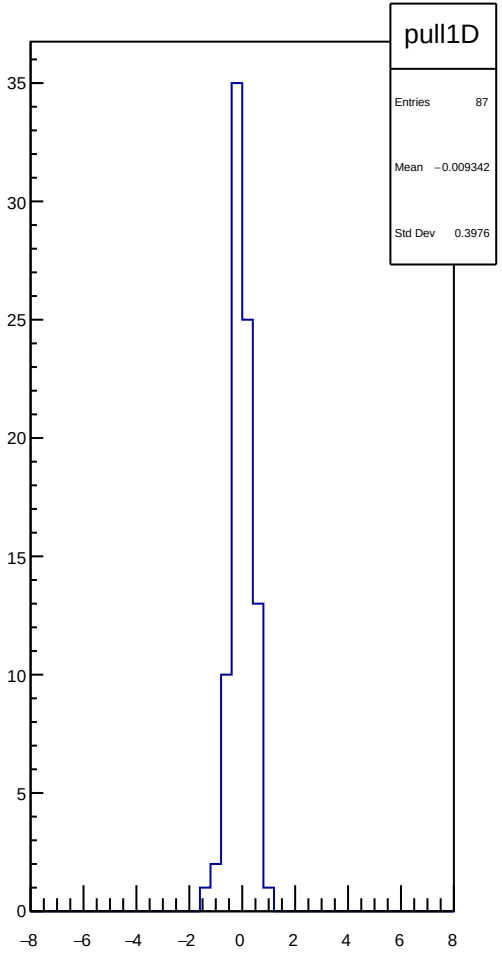

pull1D
Entries 87
Mean 0.002494
Std Dev 0.3041
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

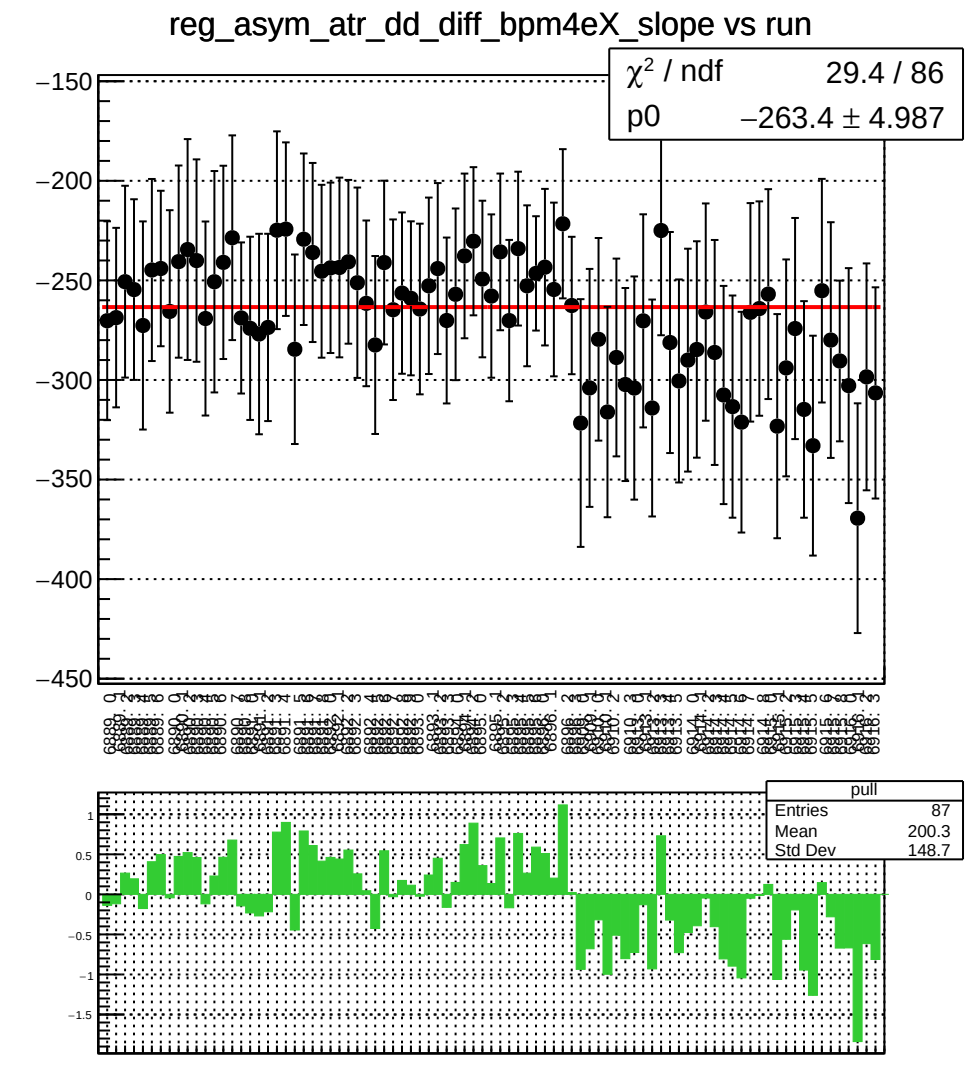

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 219 / 86
p0 −136.5 ± 0.2217
pull
Entries 87
Mean 1032
Std Dev 984.3

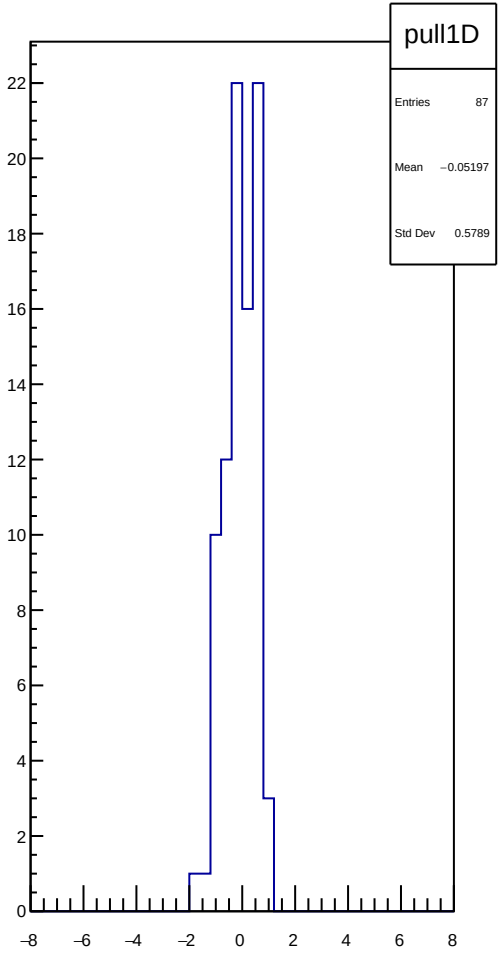

pull1D
Entries 87
Mean −0.03232
Std Dev 1.586

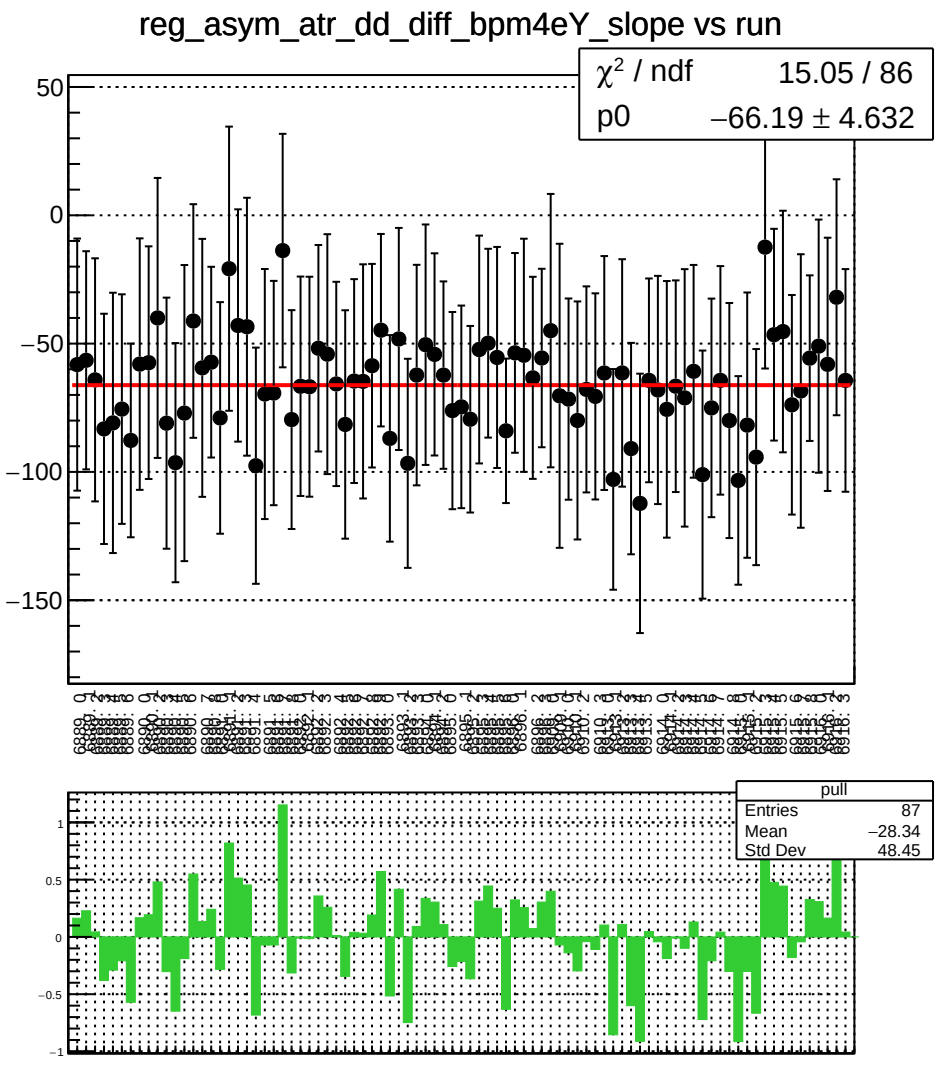

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 33.68 / 86
p0 191.4 ± 5.208
350
300
250
200
150
100
pull
Entries 87
Mean 183
Std Dev 131.2
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.06453
Std Dev 0.6188
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

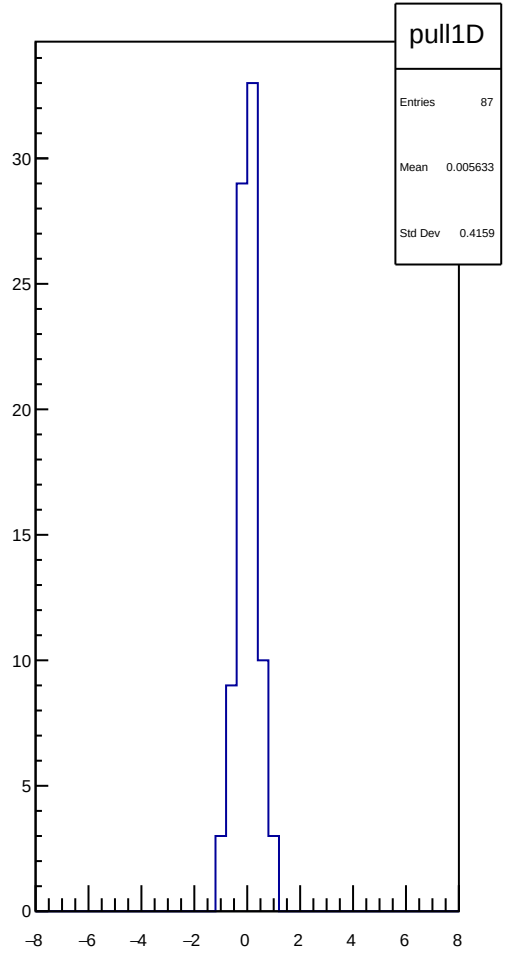

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.76 / 86
p0 0.9926 ± 3.921
pull
Entries 87
Mean 147.8
Std Dev 87.03

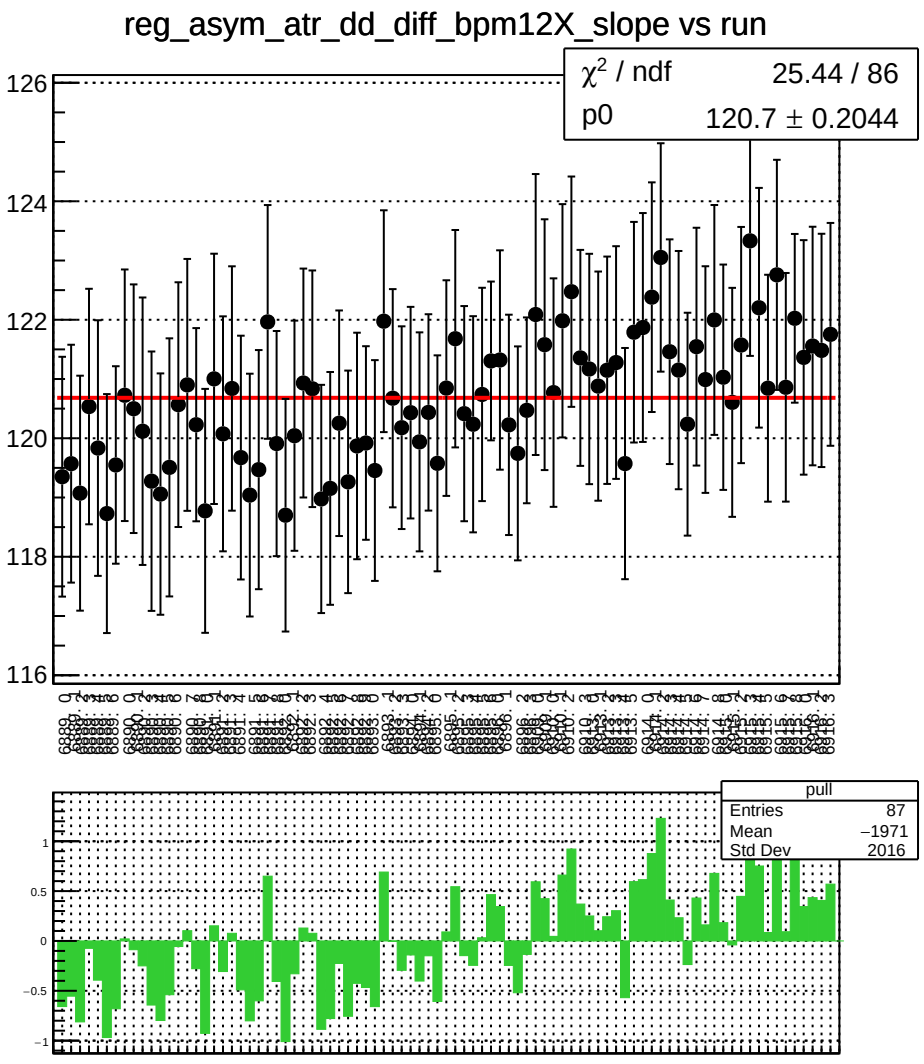

pull1D
Entries 87
Mean −0.009342
Std Dev 0.3976

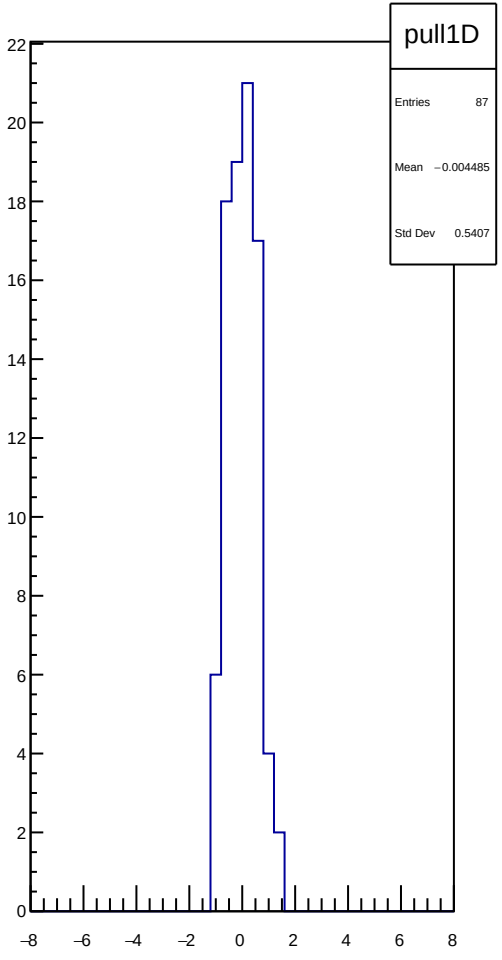

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.4 / 86
p0 −263.4 ± 4.987
pull
Entries 87
Mean 200.3
Std Dev 148.7

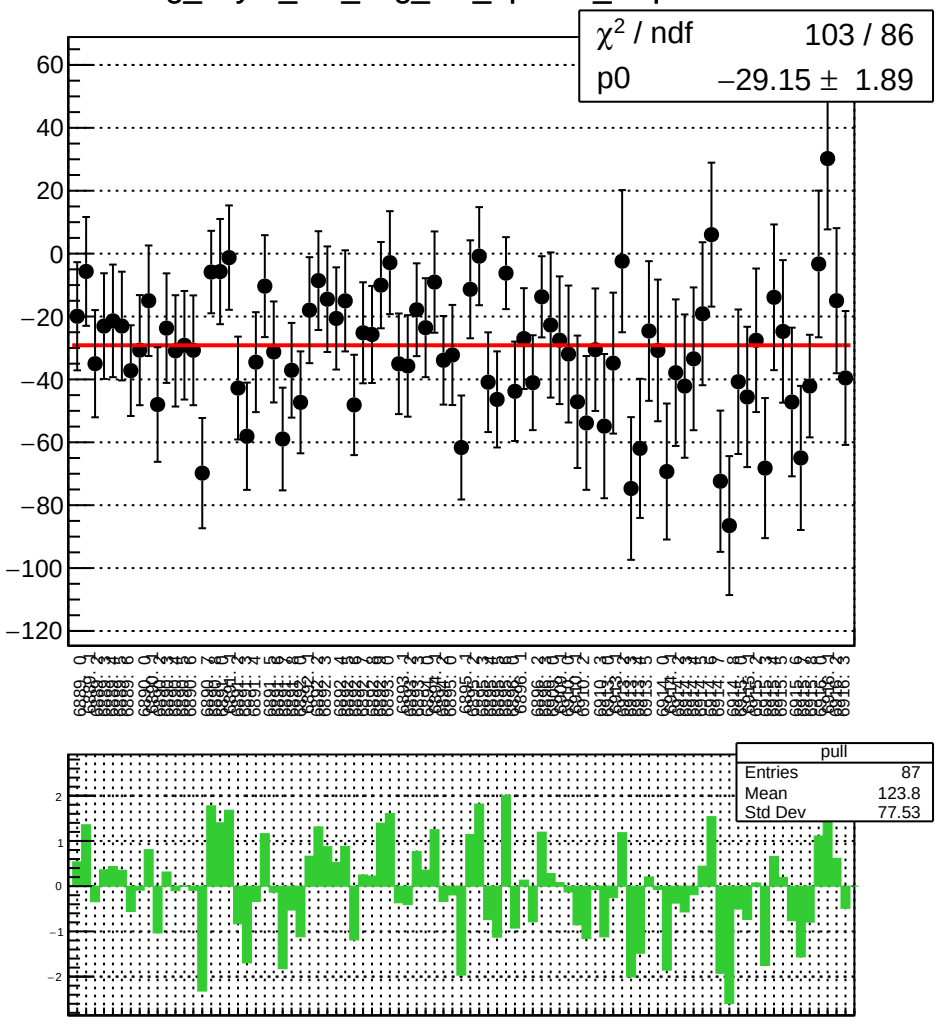

pull1D
Entries 87
Mean −0.05197
Std Dev 0.5789

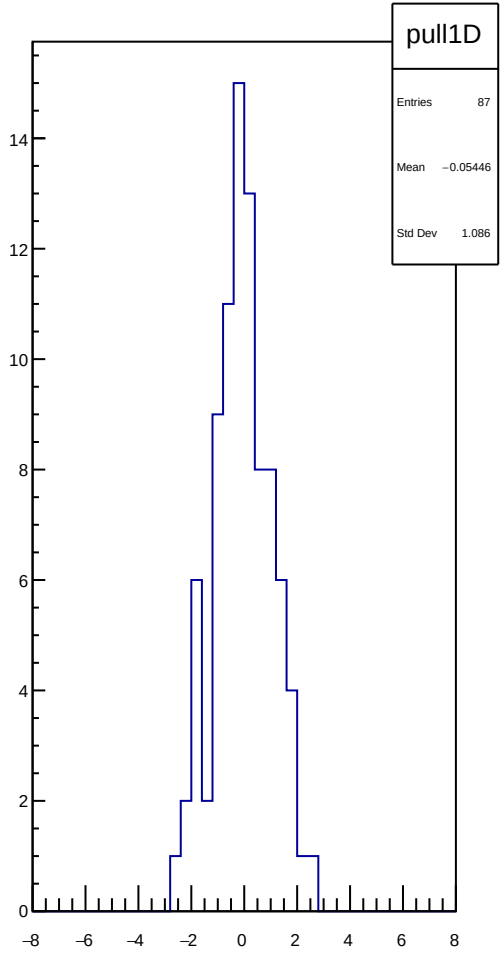

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.05 / 86
p0 −66.19 ± 4.632
50
0
−50
−100
−150
pull
Entries 87
Mean −28.34
Std Dev 48.45
1
0.5
0
−0.5
−1

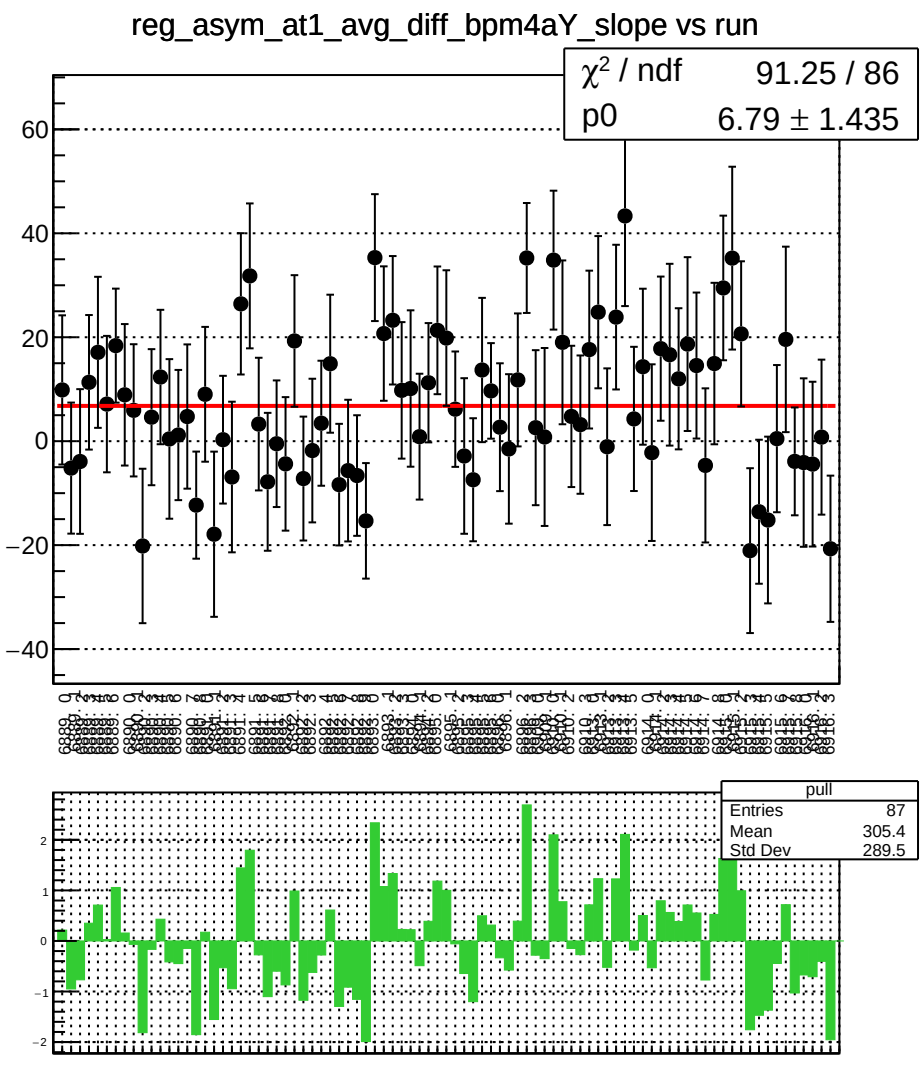

pull1D
Entries 87
Mean 0.005633
Std Dev 0.4159
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

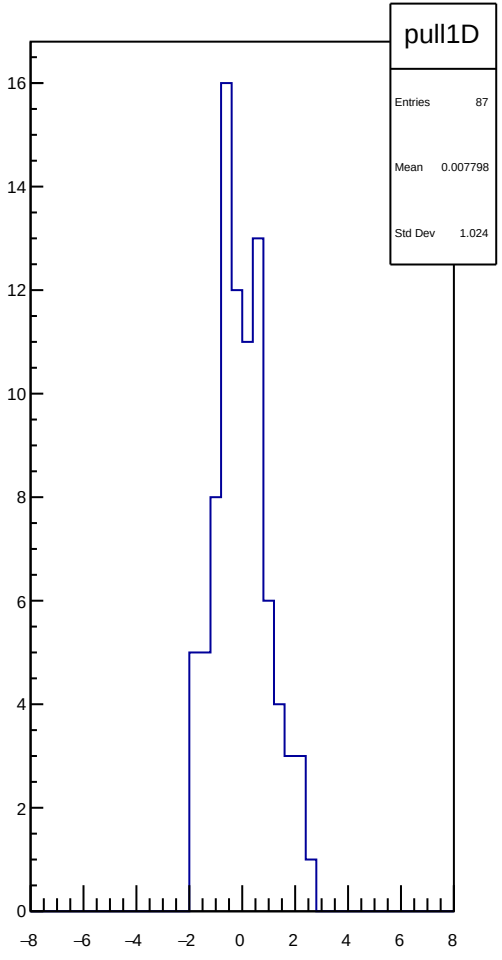

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 25.44 / 86
p0 120.7 ± 0.2044
126
124
122
120
118
116
pull
Entries 87
Mean −1971
Std Dev 2016
1
0.5
0
−0.5
−1

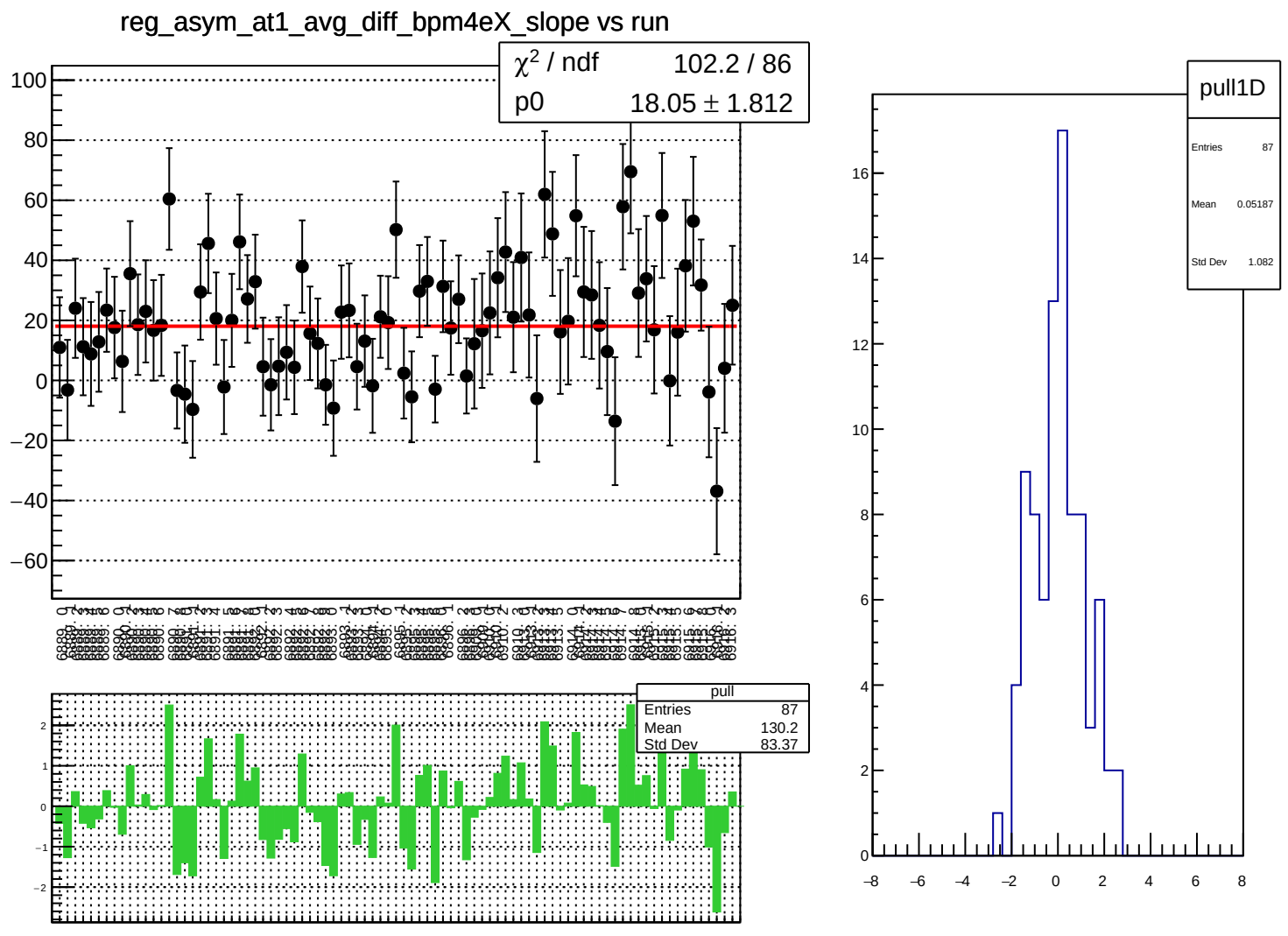

pull1D
Entries 87
Mean −0.004485
Std Dev 0.5407
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

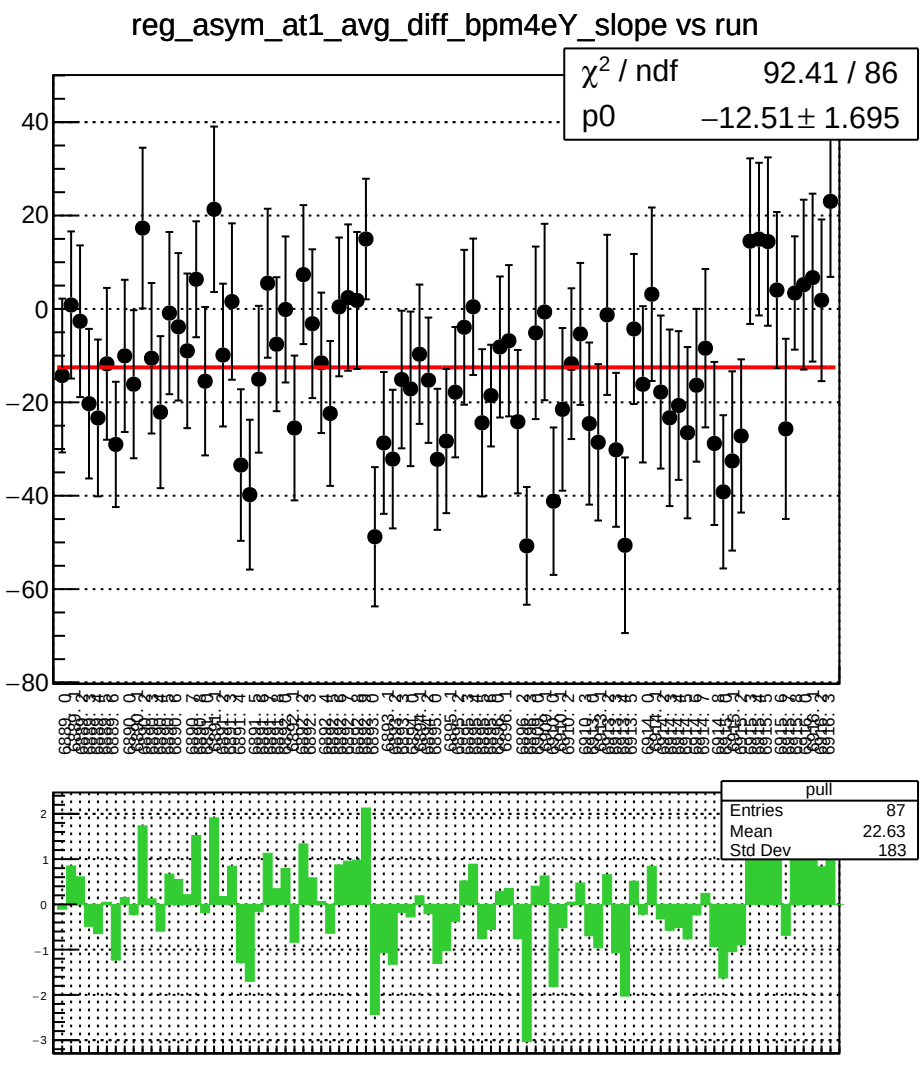

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 103 / 86
p0 −29.15 ± 1.89
pull
Entries 87
Mean 123.8
Std Dev 77.53

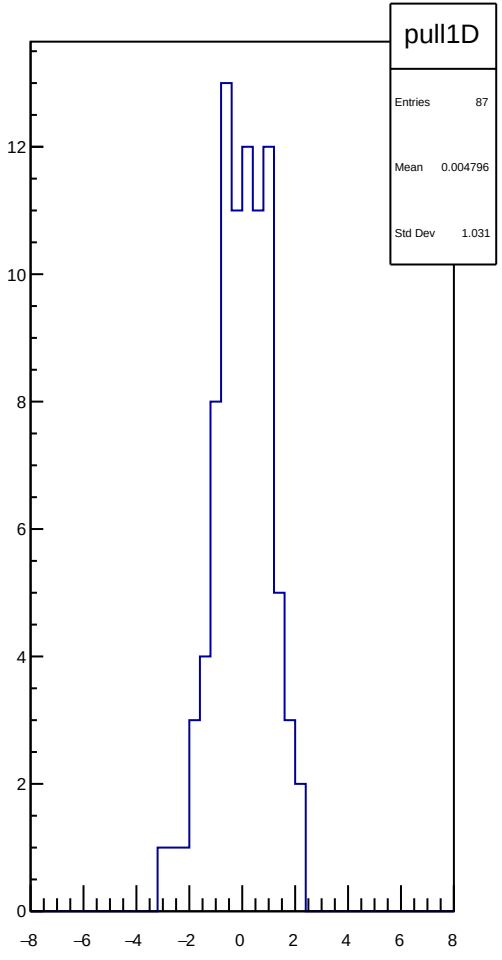

pull1D
Entries 87
Mean −0.05446
Std Dev 1.086

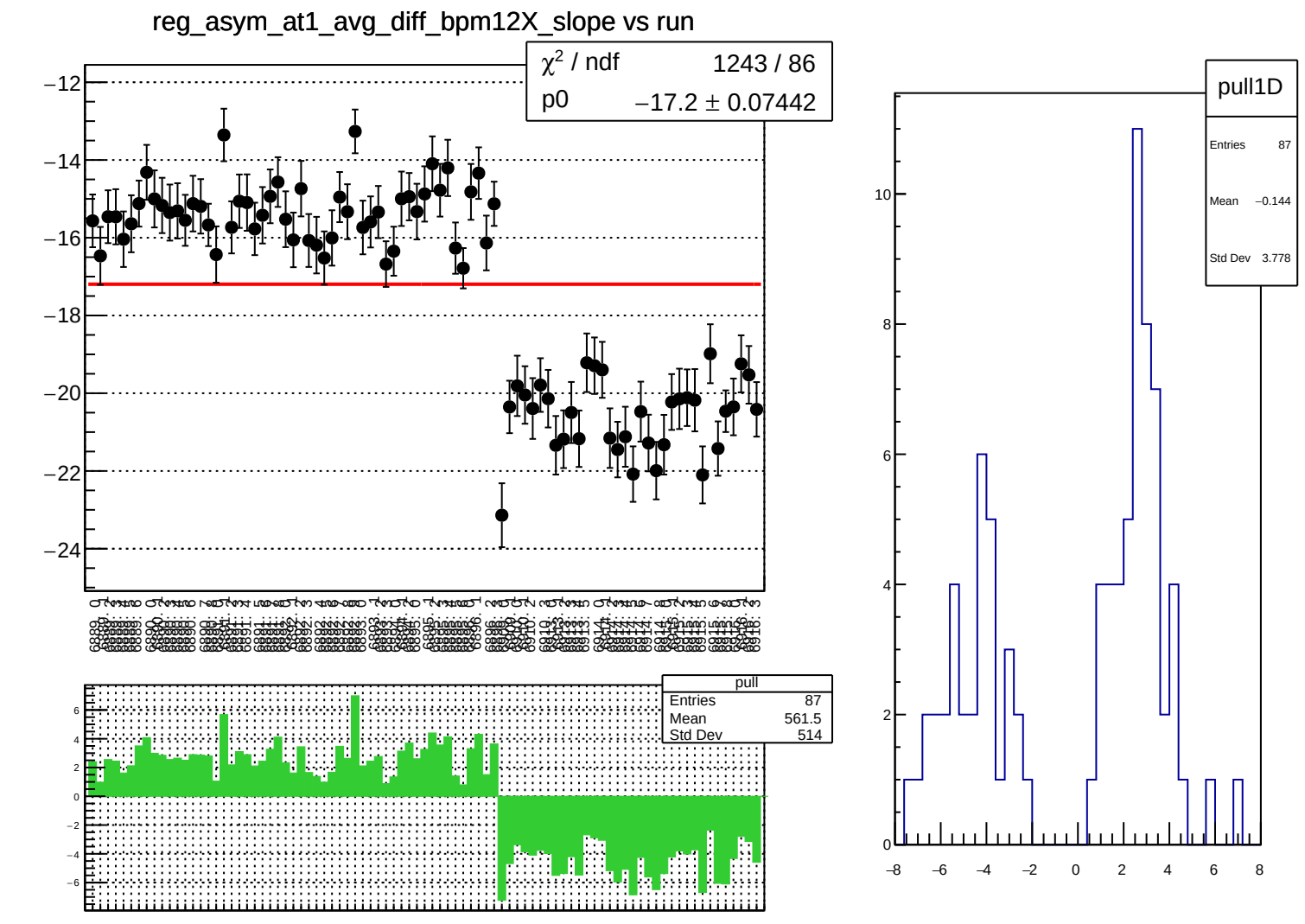

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 91.25 / 86
p0 6.79 ± 1.435
pull
Entries 87
Mean 305.4
Std Dev 289.5

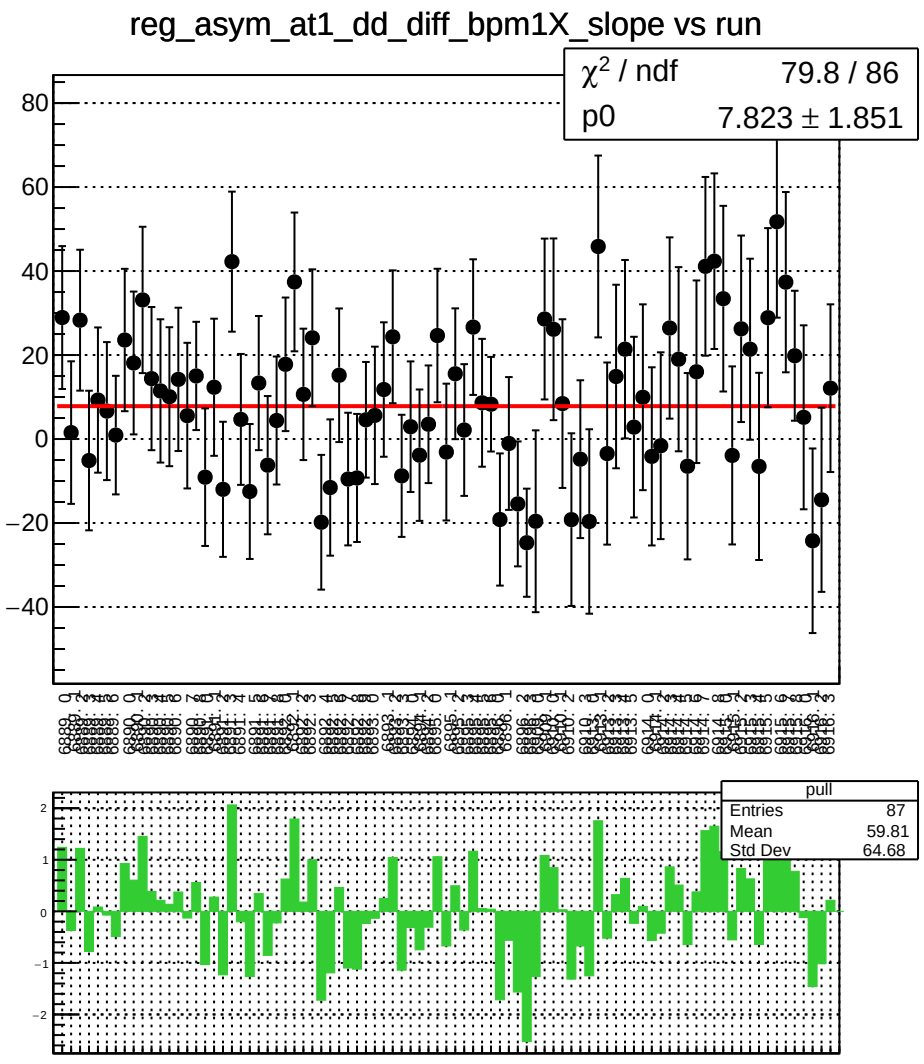

pull1D
Entries 87
Mean 0.007798
Std Dev 1.024

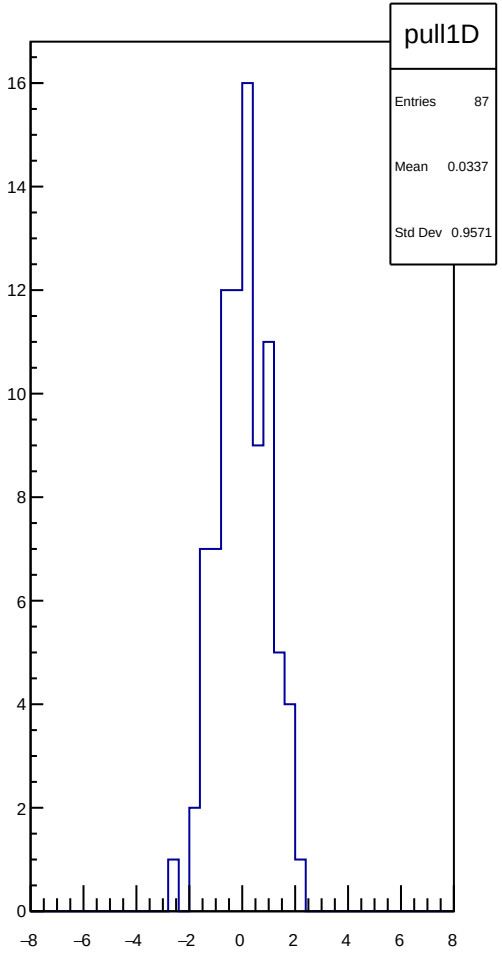

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 102.2 / 86
p0 18.05 ± 1.812
pull
Entries 87
Mean 130.2
Std Dev 83.37
pull1D
Entries 87
Mean 0.05187
Std Dev 1.082

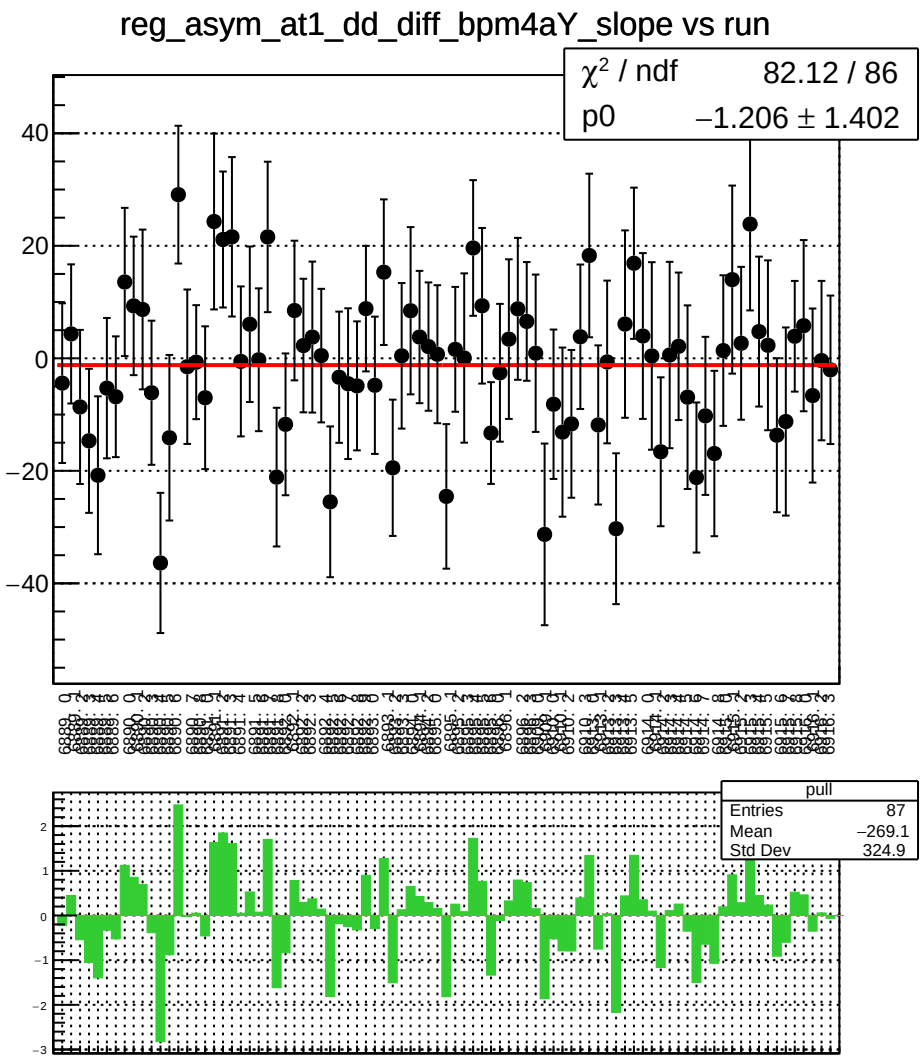

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.41 / 86
p0 −12.51± 1.695
pull
Entries 87
Mean 22.63
Std Dev 183

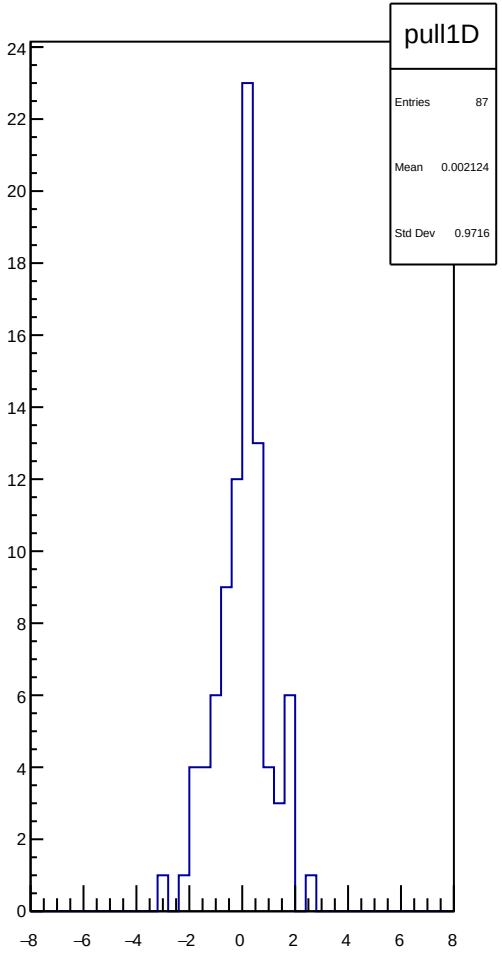

pull1D
Entries 87
Mean 0.004796
Std Dev 1.031

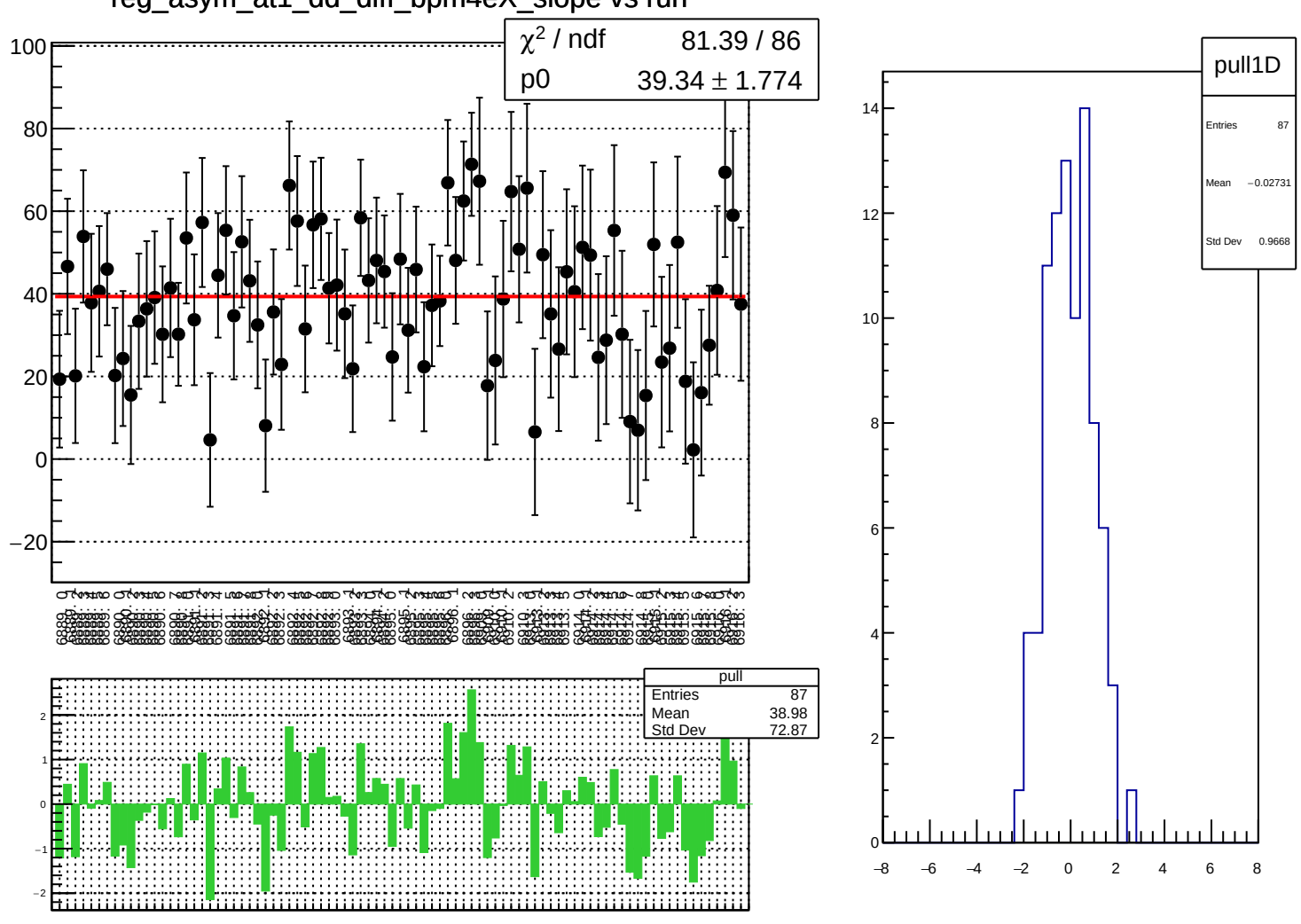

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 1243 / 86
p0 −17.2 ± 0.07442
pull
Entries 87
Mean 561.5
Std Dev 514
pull1D
Entries 87
Mean −0.144
Std Dev 3.778

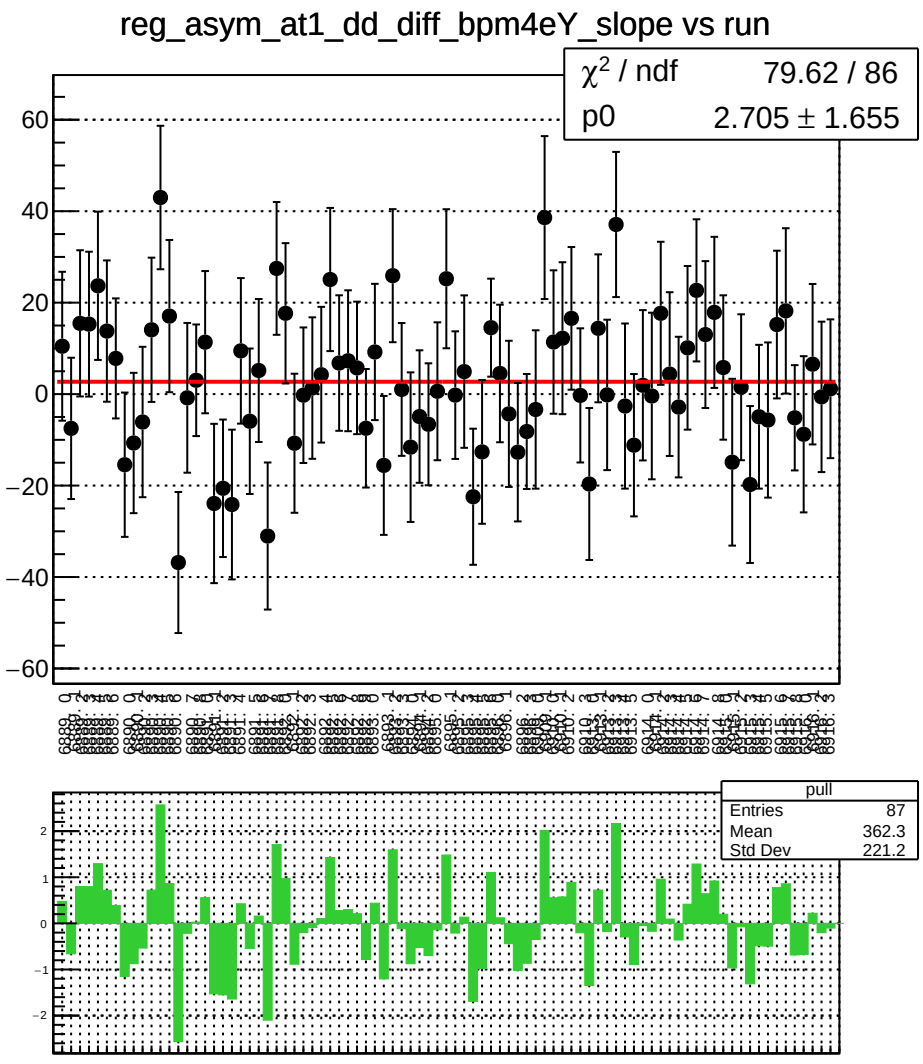

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 79.8 / 86
p0 7.823 ± 1.851
pull
Entries 87
Mean 59.81
Std Dev 64.68

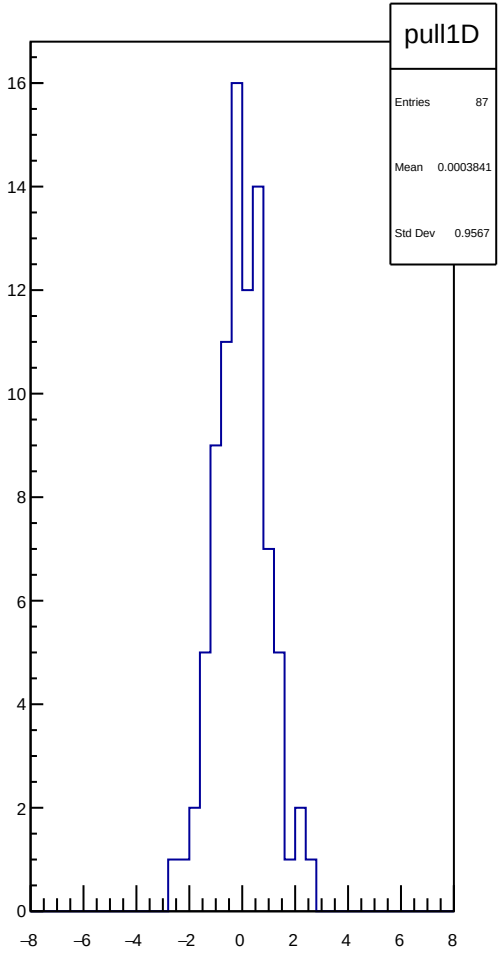

pull1D
Entries 87
Mean 0.0337
Std Dev 0.9571

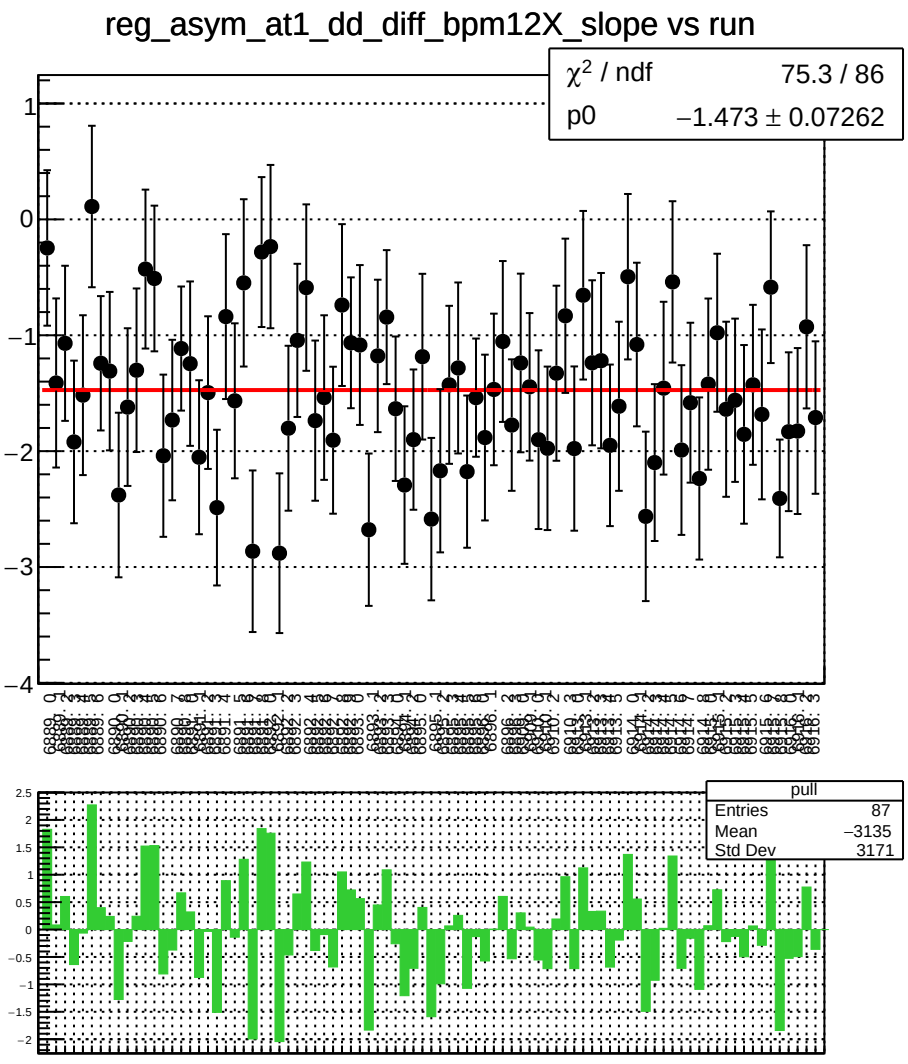

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.12 / 86
p0 −1.206 ± 1.402
pull
Entries 87
Mean −269.1
Std Dev 324.9

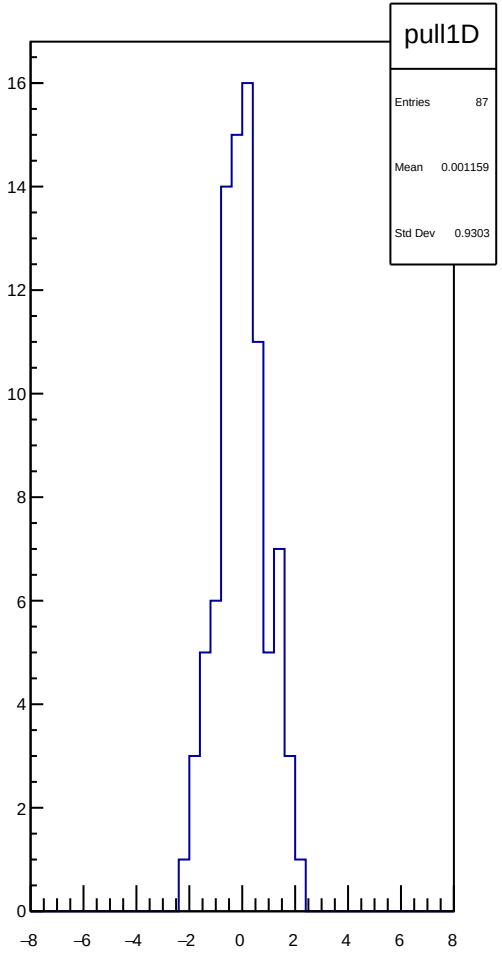

pull1D
Entries 87
Mean 0.002124
Std Dev 0.9716

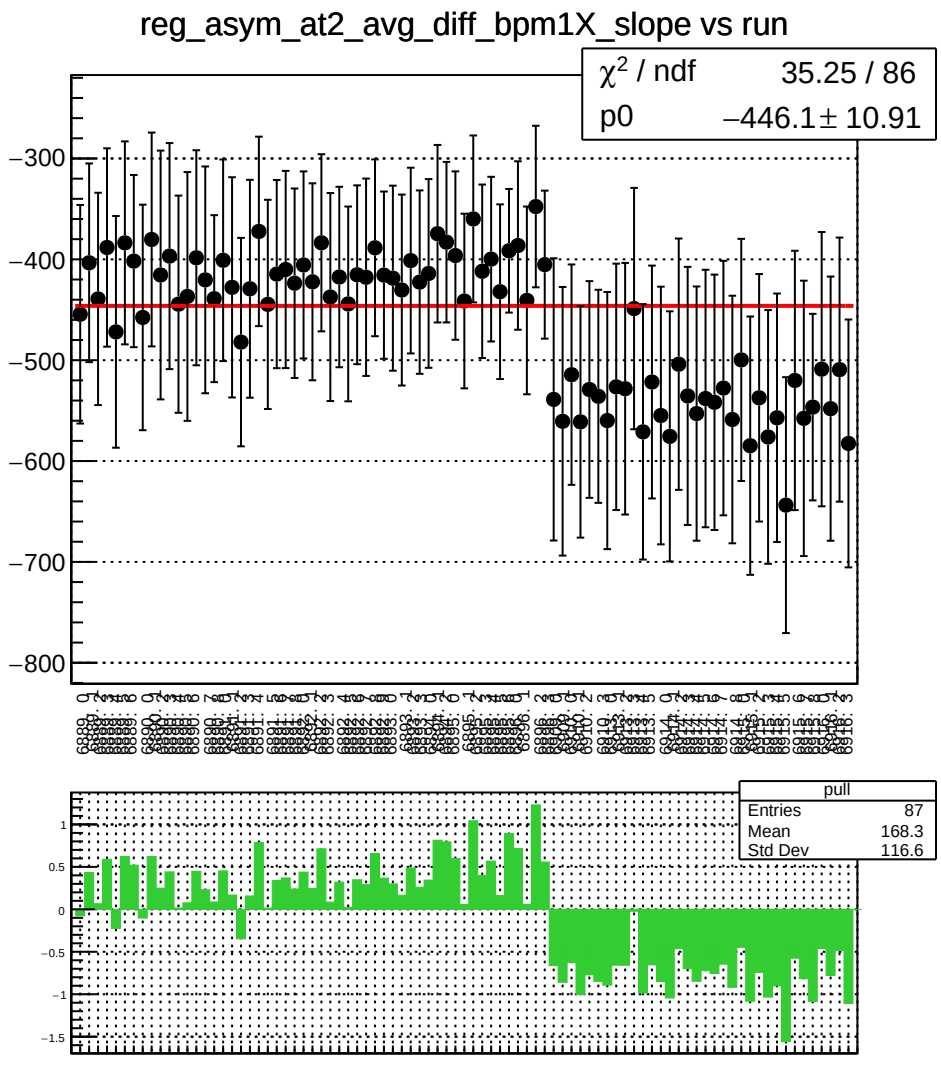

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 81.39 / 86
p0 39.34 ± 1.774
pull
Entries 87
Mean 38.98
Std Dev 72.87
pull1D
Entries 87
Mean −0.02731
Std Dev 0.9668

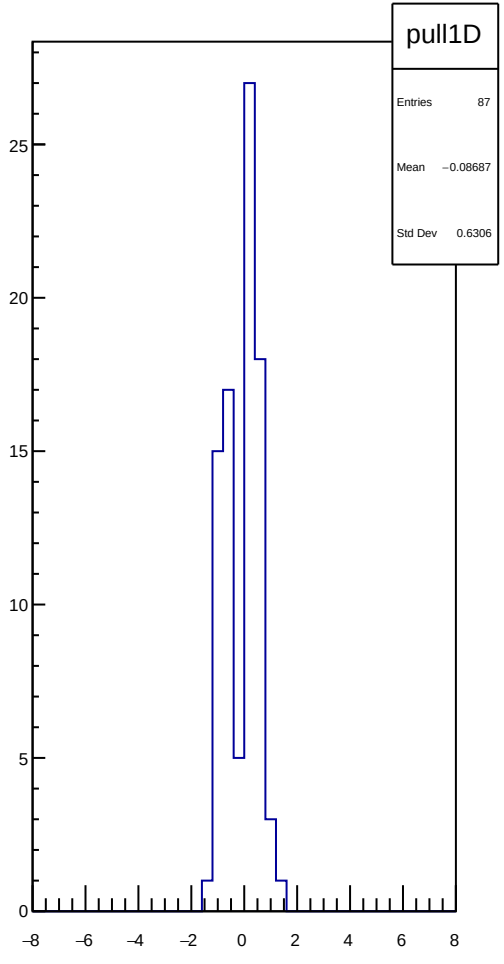

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.62 / 86
p0 2.705 ± 1.655
pull
Entries 87
Mean 362.3
Std Dev 221.2

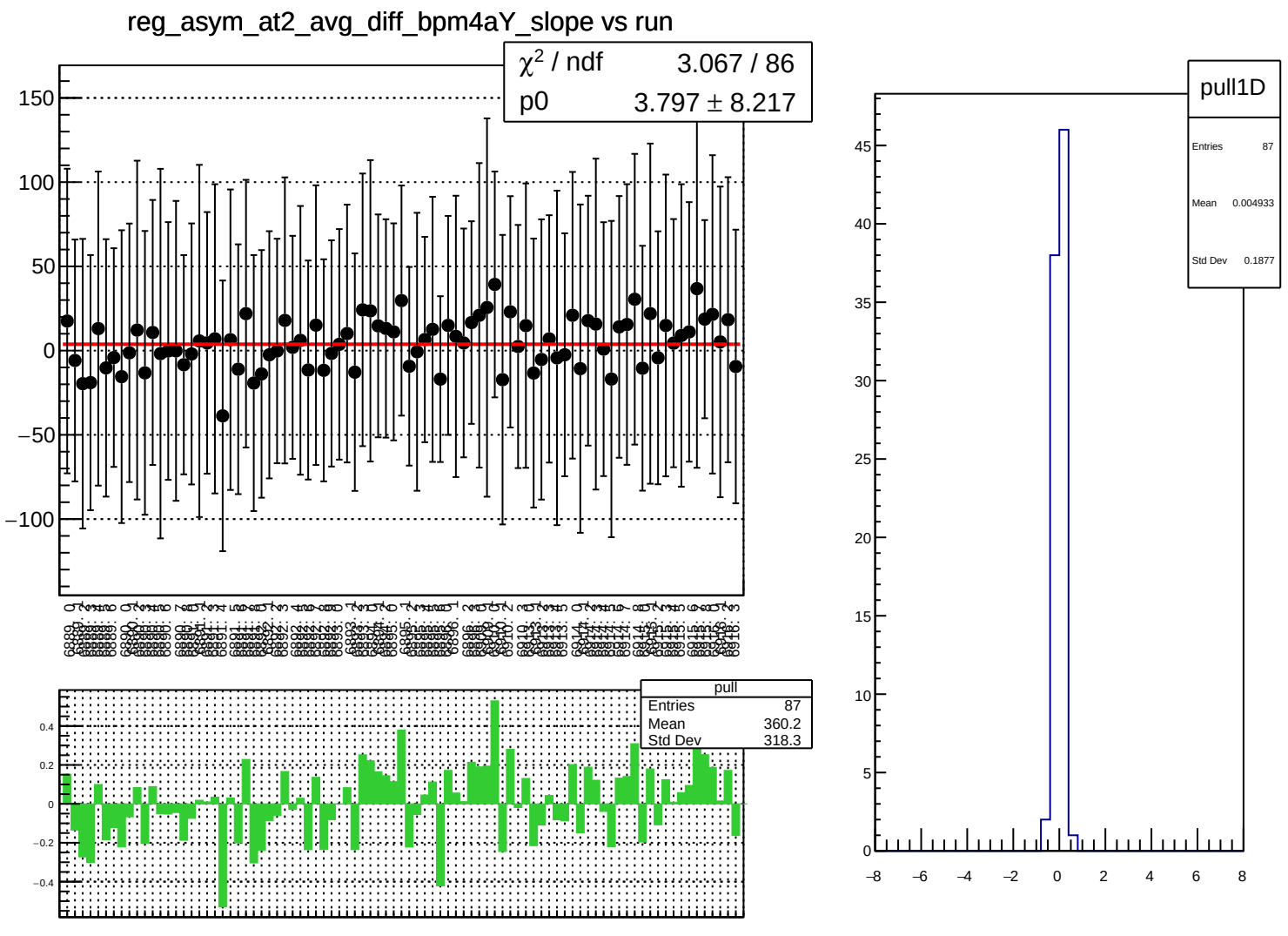

pull1D
Entries 87
Mean 0.0003841
Std Dev 0.9567

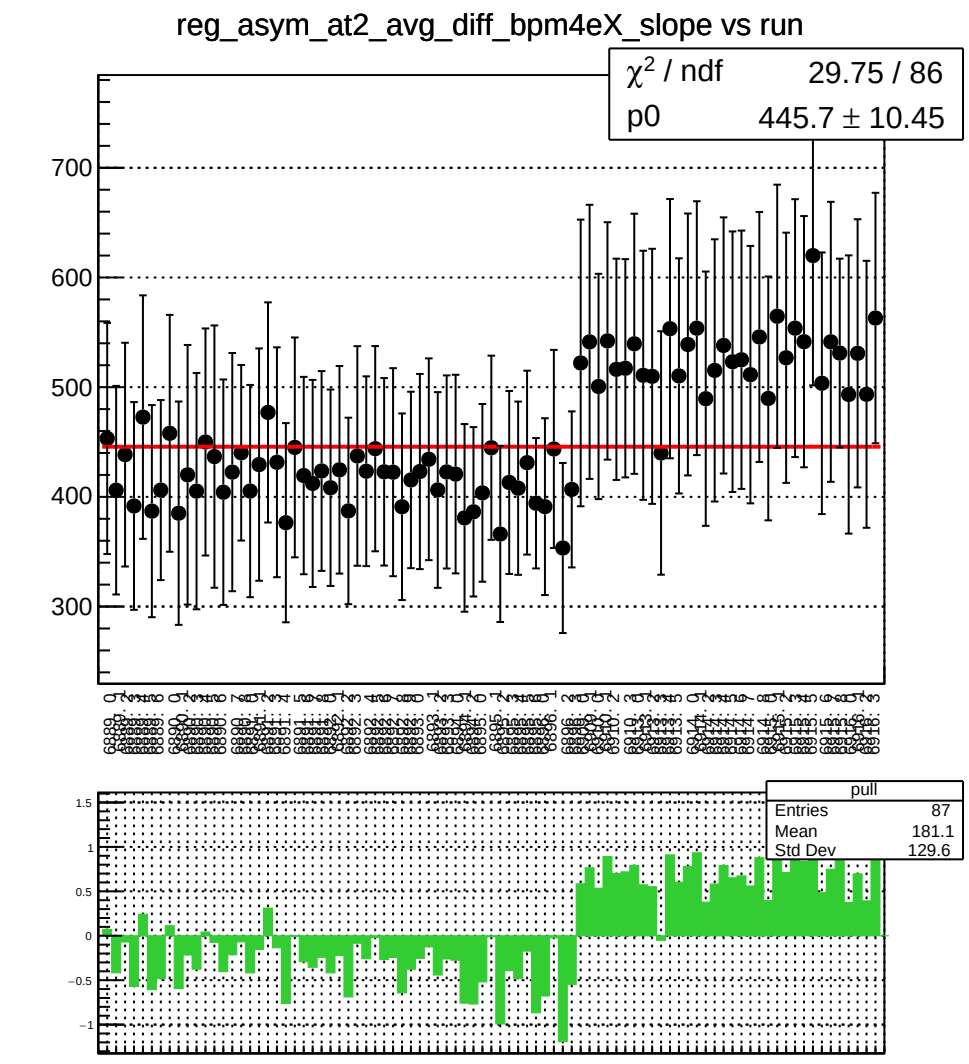

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 75.3 / 86
p0 −1.473 ± 0.07262
pull
Entries 87
Mean −3135
Std Dev 3171

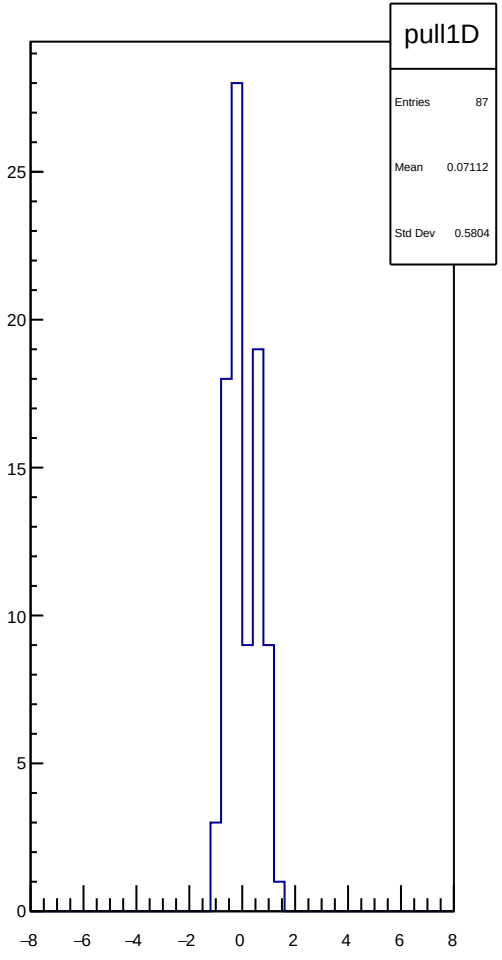

pull1D
Entries 87
Mean 0.001159
Std Dev 0.9303

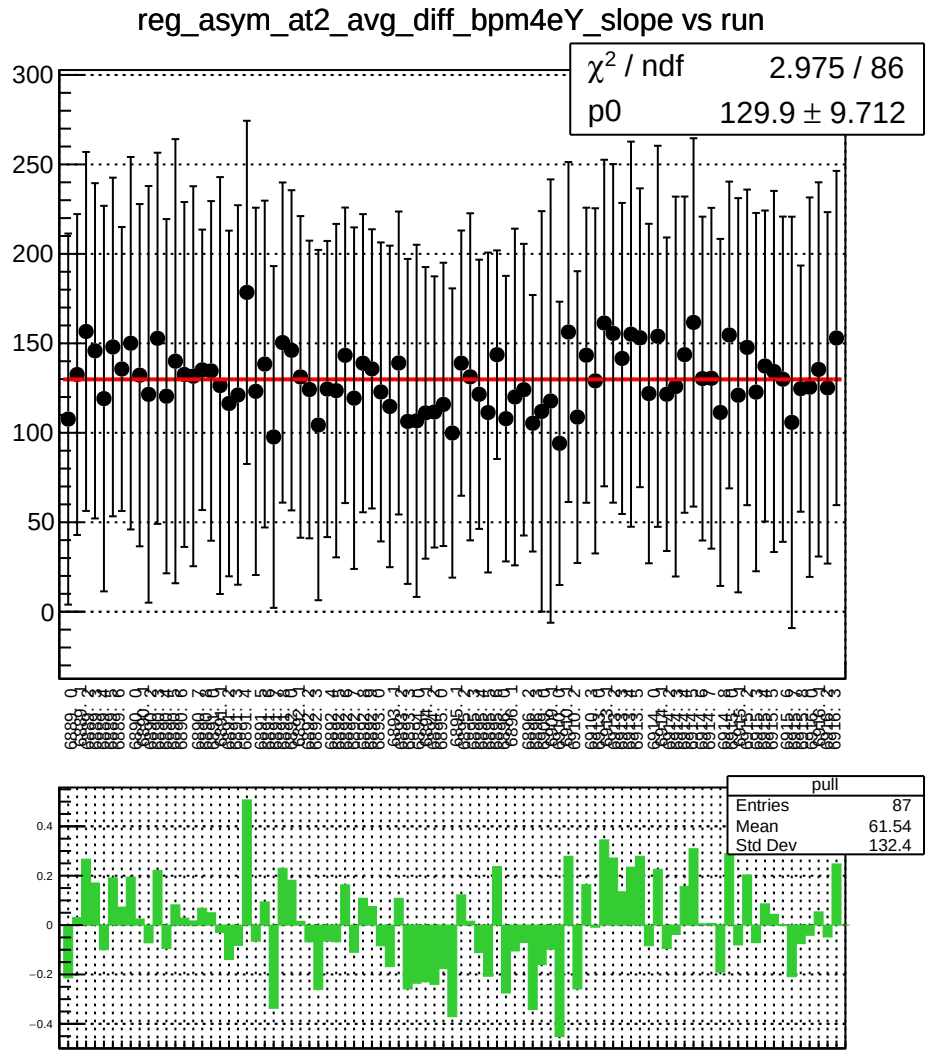

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 35.25 / 86
p0 −446.1 ± 10.91
−300
−400
−500
−600
−700
−800
pull
Entries 87
Mean 168.3
Std Dev 116.6
1
0.5
0
−0.5
−1
−1.5

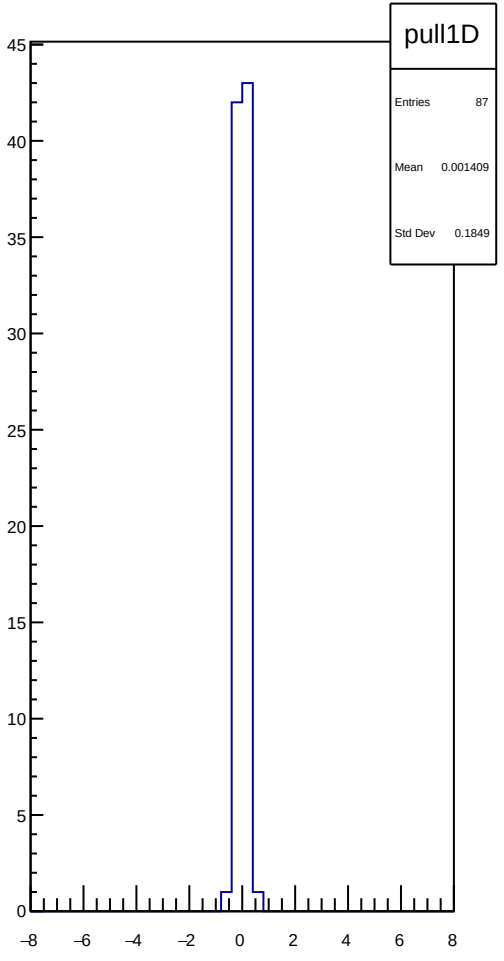

pull1D
Entries 87
Mean −0.08687
Std Dev 0.6306
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

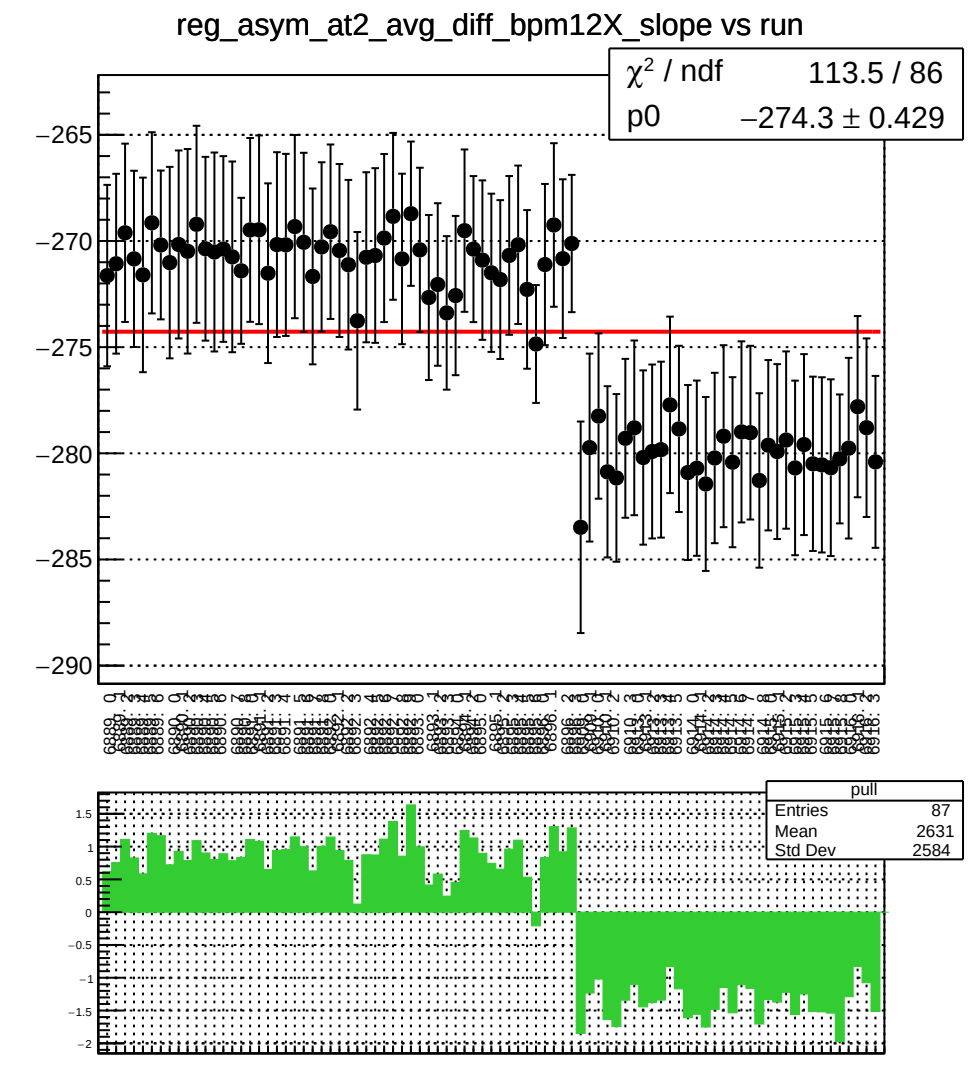

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.067 / 86
p0 3.797 ± 8.217
150
100
50
0
−50
−100
pull
Entries 87
Mean 360.2
Std Dev 318.3
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 87
Mean 0.004933
Std Dev 0.1877
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

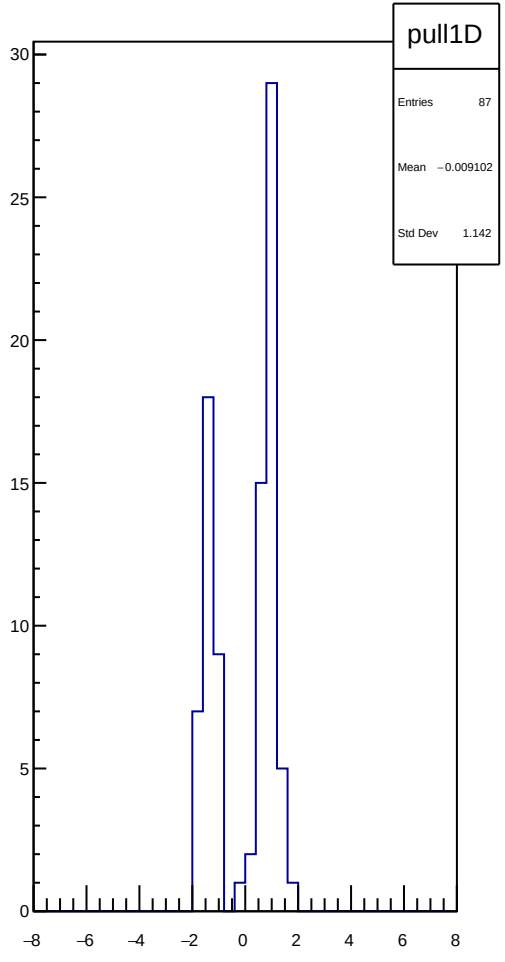

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.75 / 86
p0 445.7 ± 10.45
700
600
500
400
300
pull
Entries 87
Mean 181.1
Std Dev 129.6
1.5
1
0.5
0
−0.5
−1

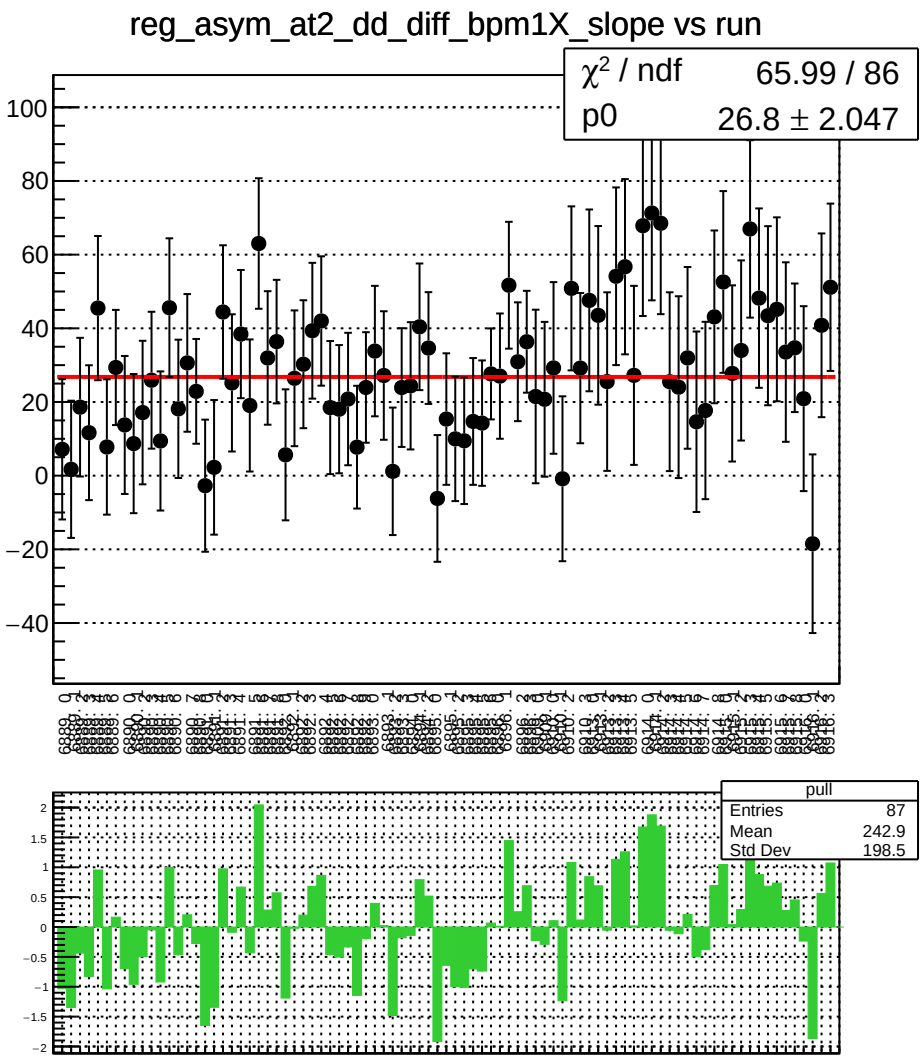

pull1D
Entries 87
Mean 0.07112
Std Dev 0.5804
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

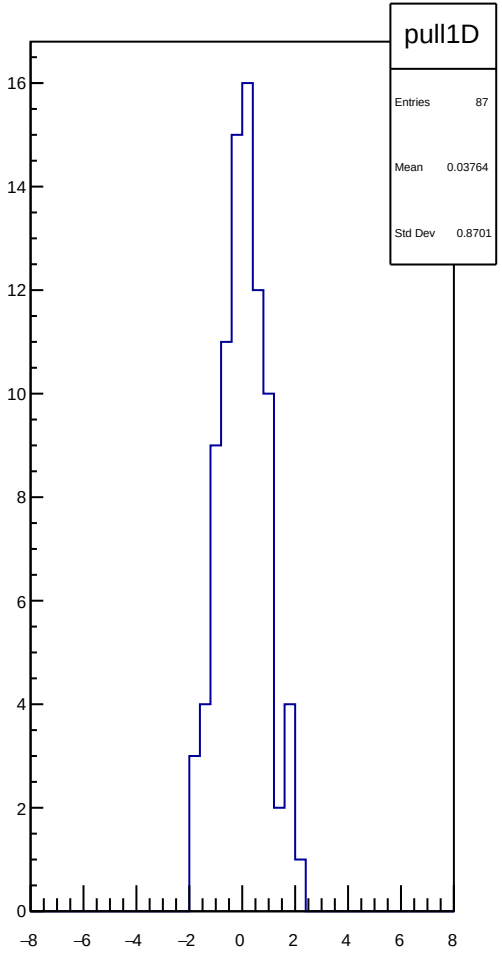

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.975 / 86
p0 129.9 ± 9.712
pull
Entries 87
Mean 61.54
Std Dev 132.4

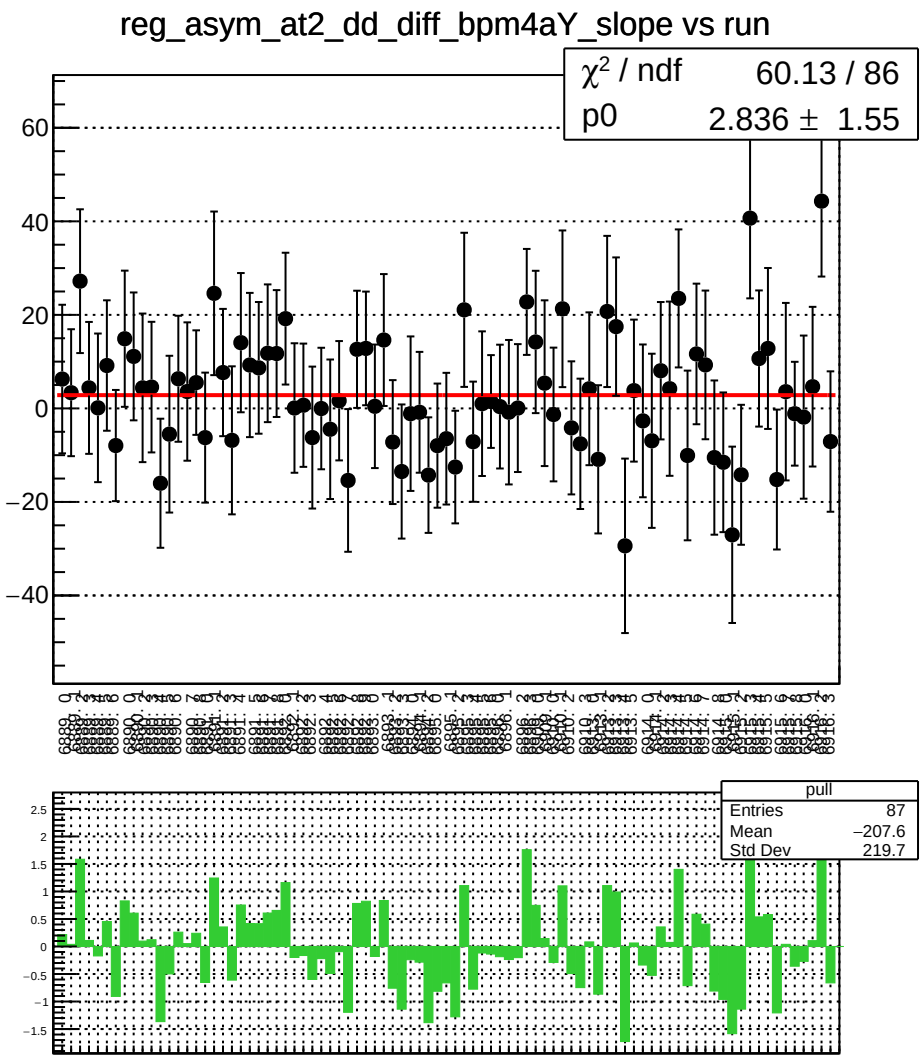

pull1D
Entries 87
Mean 0.001409
Std Dev 0.1849

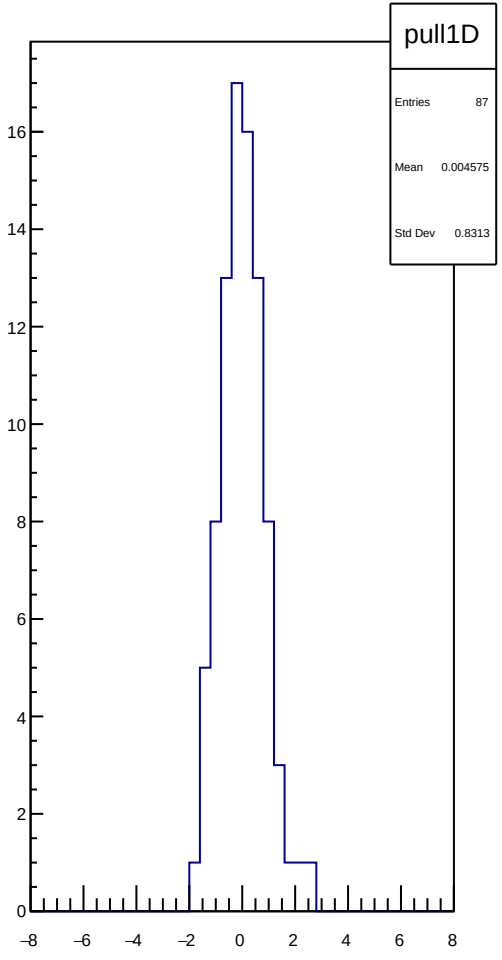

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 113.5 / 86
p0 −274.3 ± 0.429
−265
−270
−275
−280
−285
−290
pull
Entries 87
Mean 2631
Std Dev 2584
1.5
1
0.5
0
−0.5
−1
−1.5
−2

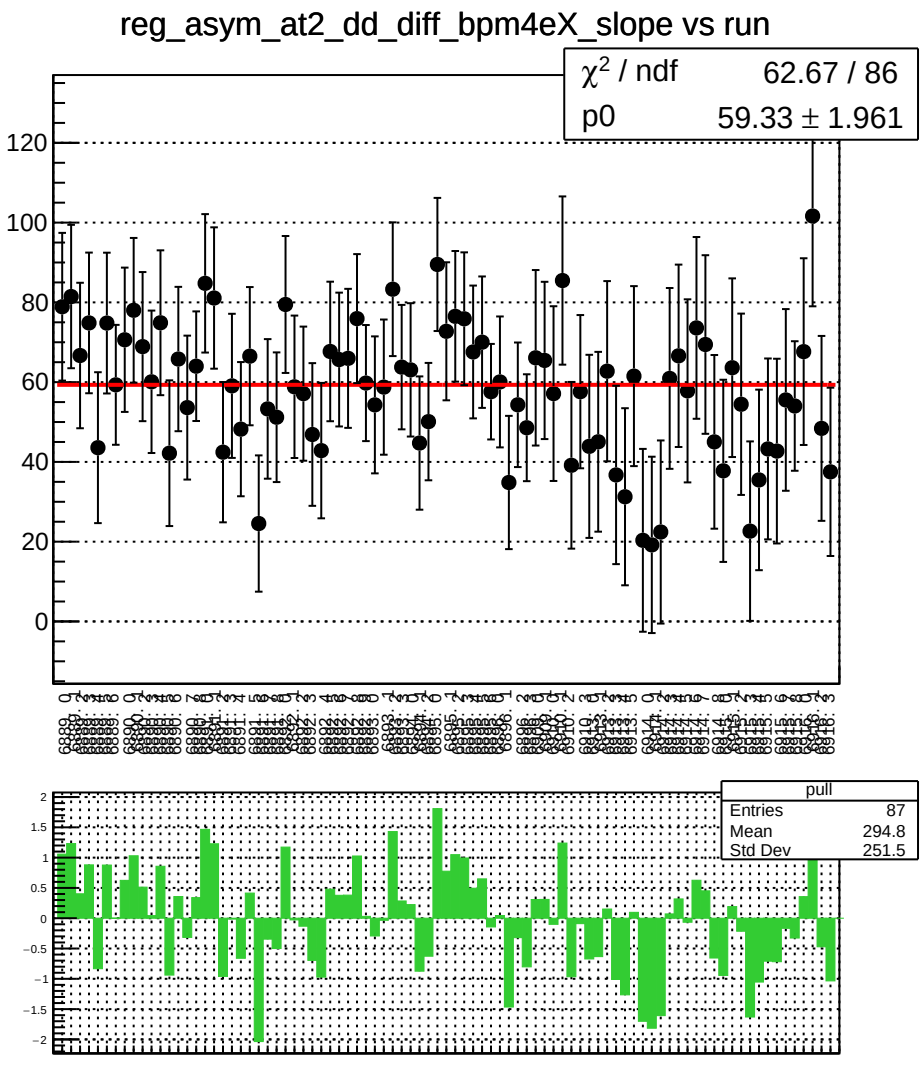

pull1D
Entries 87
Mean −0.009102
Std Dev 1.142
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

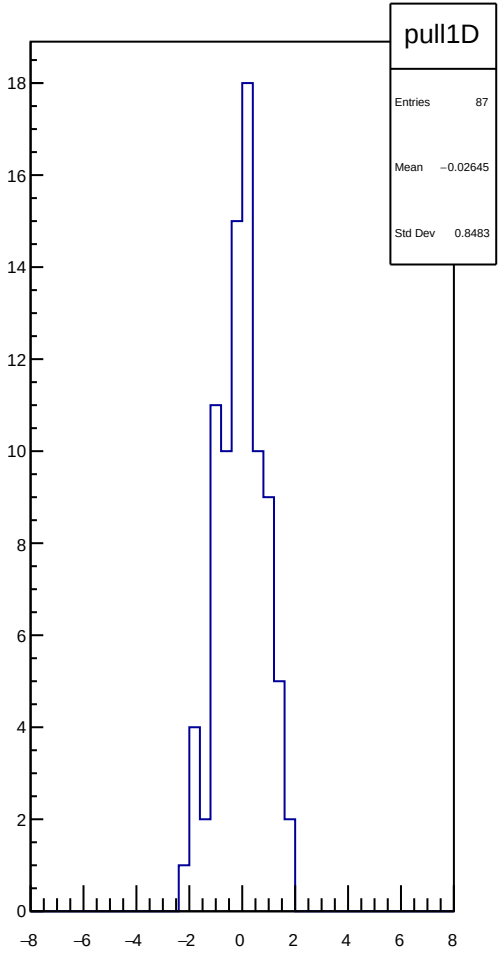

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 65.99 / 86
p0 26.8 ± 2.047
pull
Entries 87
Mean 242.9
Std Dev 198.5

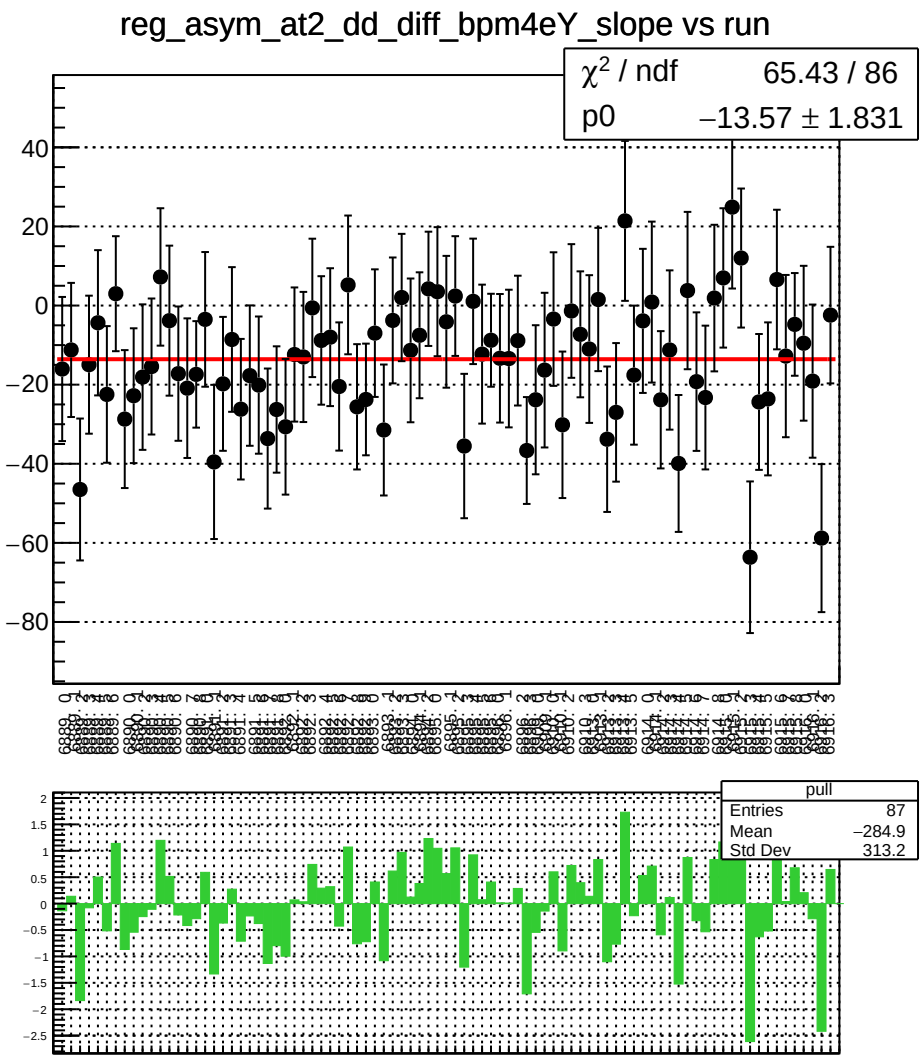

pull1D
Entries 87
Mean 0.03764
Std Dev 0.8701

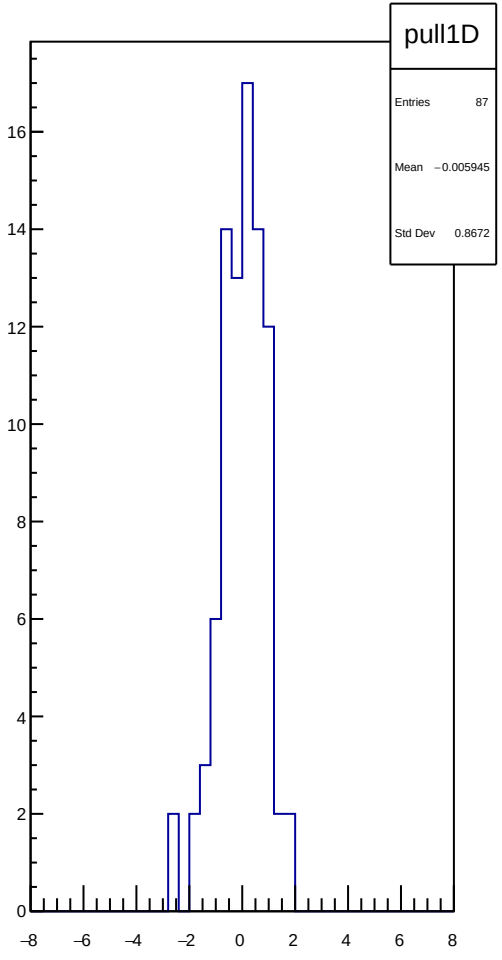

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.13 / 86
p0 2.836 ± 1.55
pull
Entries 87
Mean −207.6
Std Dev 219.7

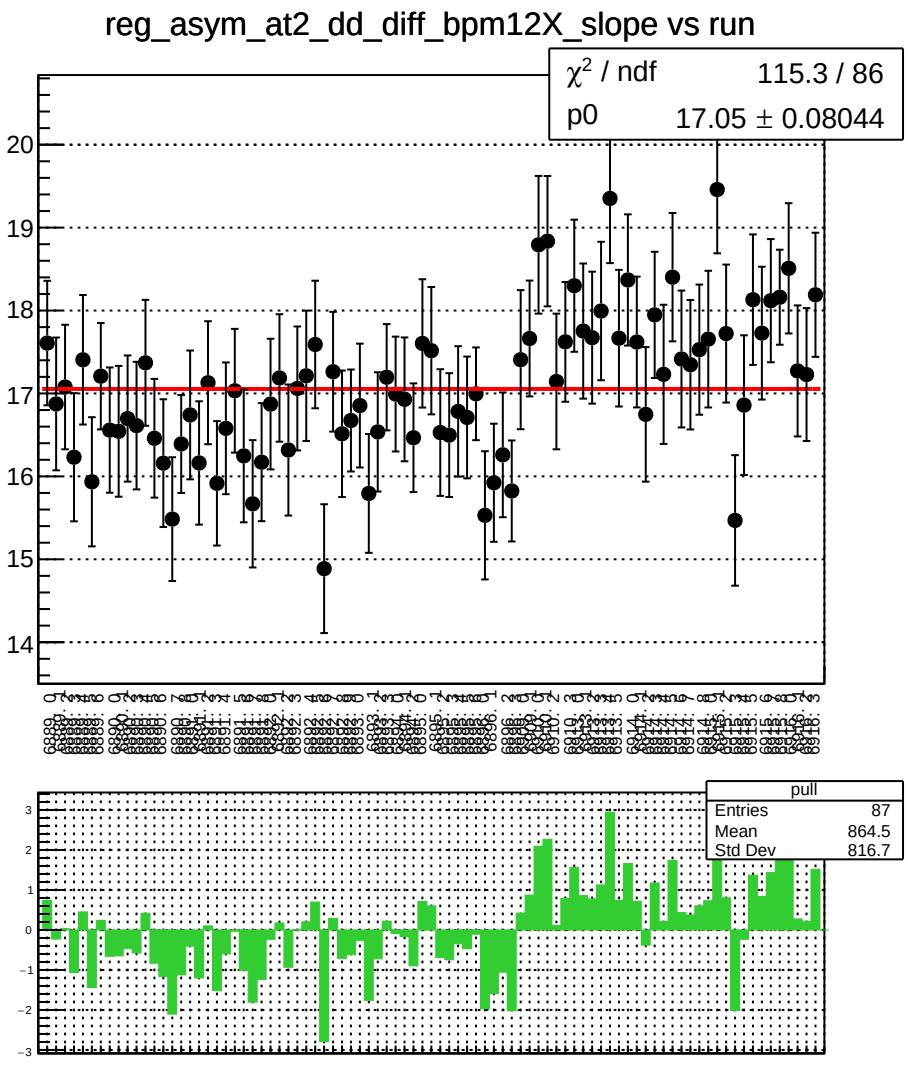

pull1D
Entries 87
Mean 0.004575
Std Dev 0.8313

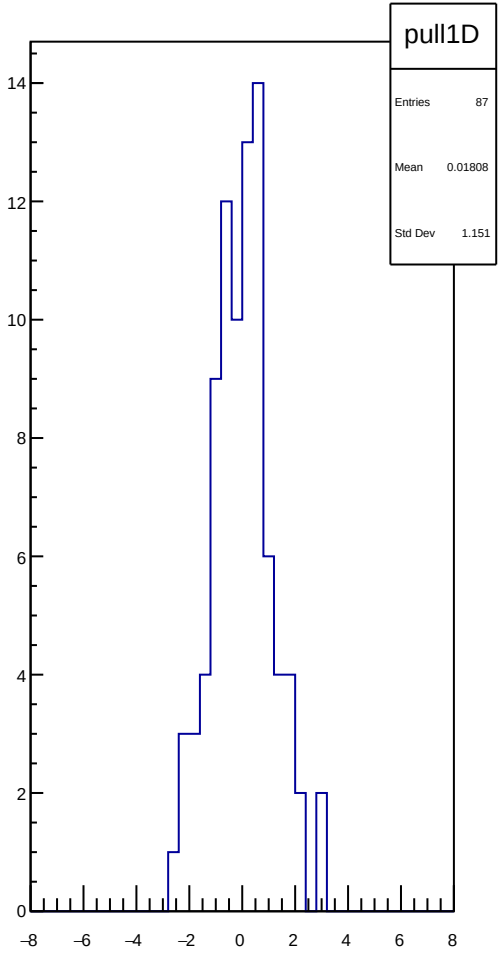

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.67 / 86
p0 59.33 ± 1.961
pull
Entries 87
Mean 294.8
Std Dev 251.5

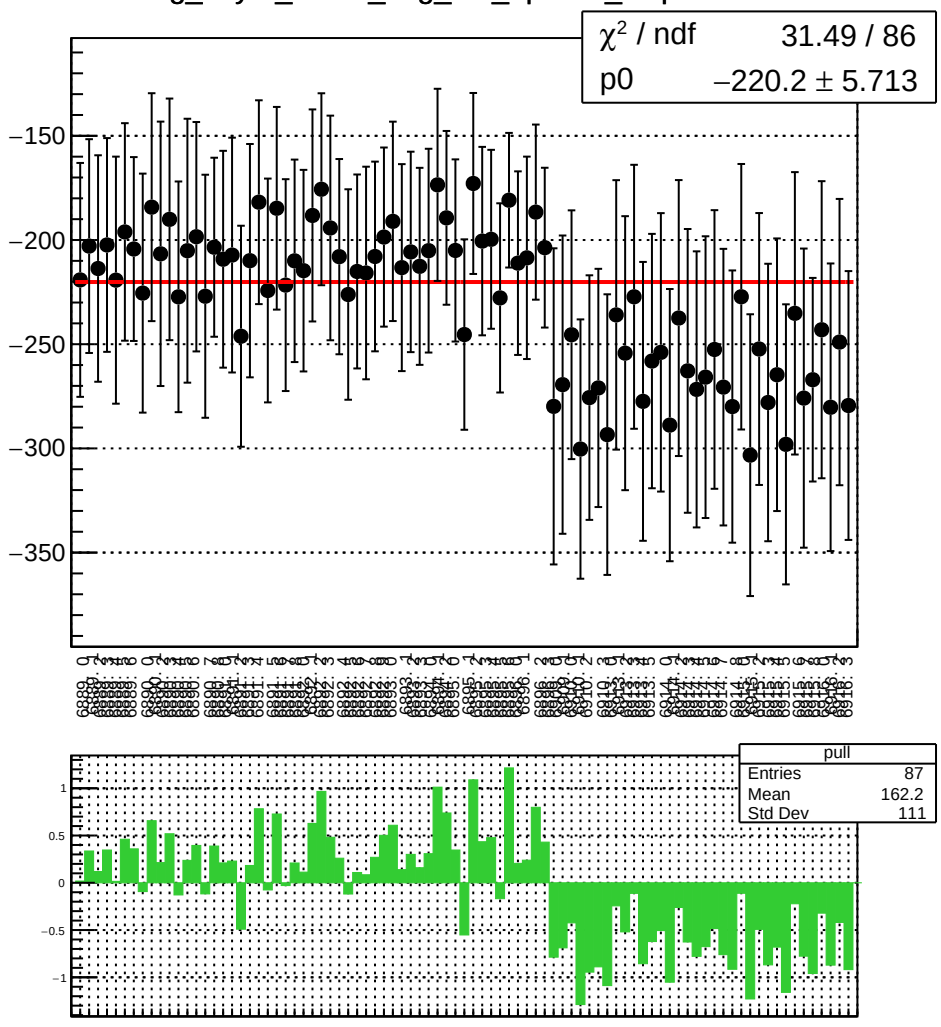

pull1D
Entries 87
Mean −0.02645
Std Dev 0.8483

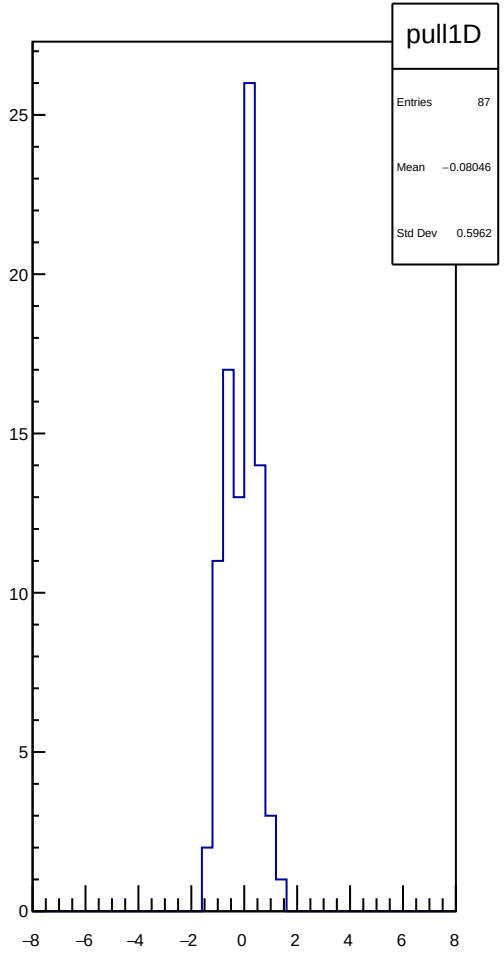

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.43 / 86
p0 −13.57 ± 1.831
pull
Entries 87
Mean −284.9
Std Dev 313.2

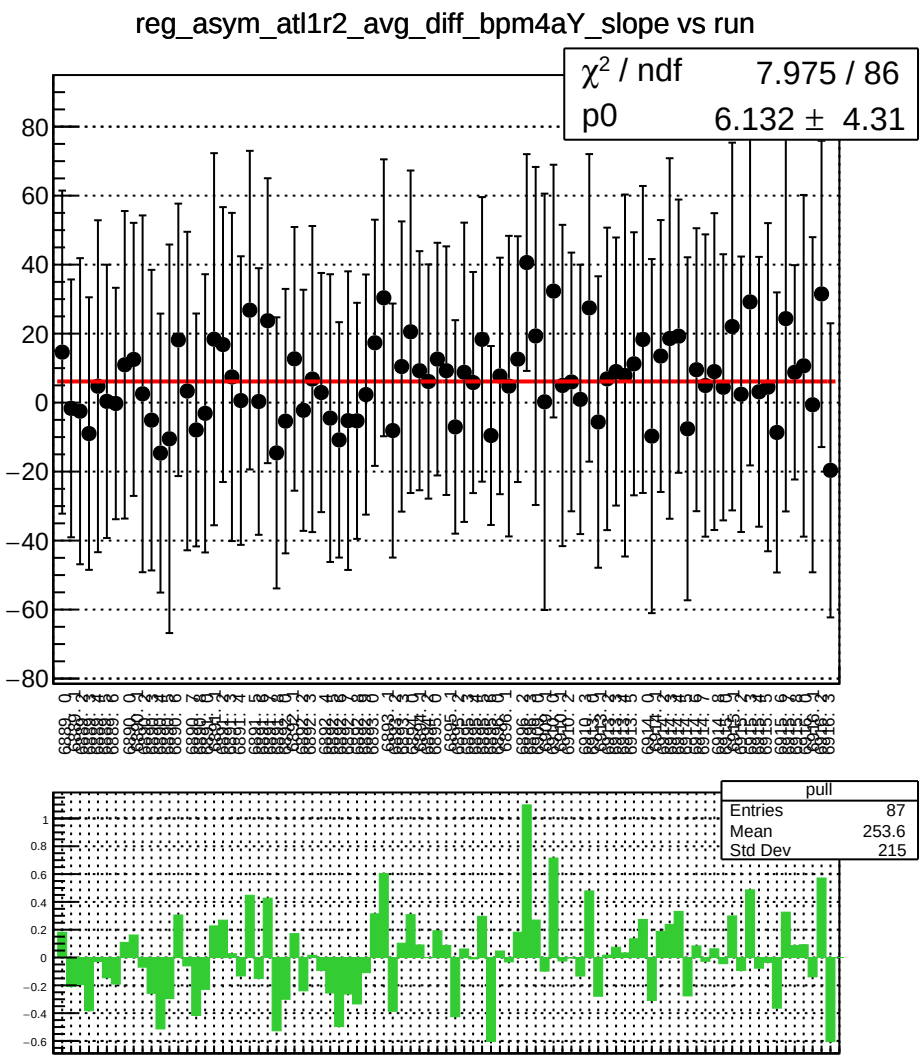

pull1D
Entries 87
Mean −0.005945
Std Dev 0.8672

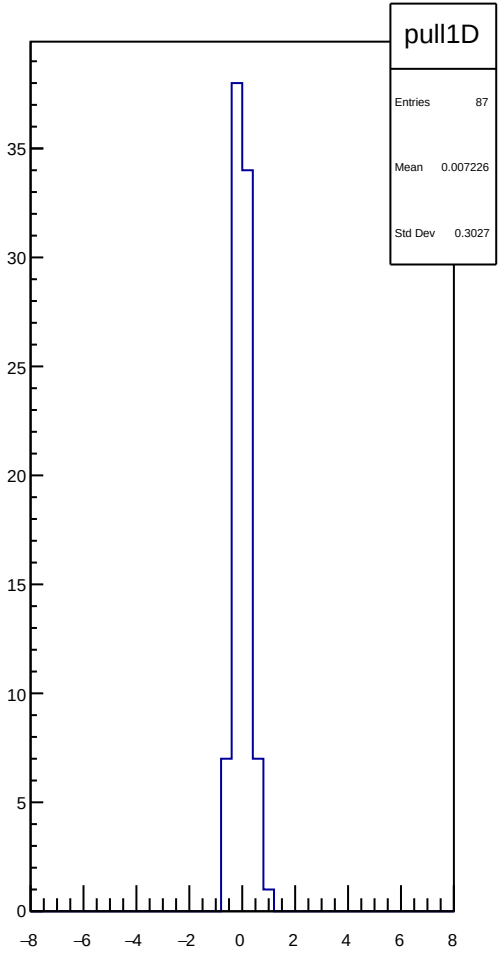

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 115.3 / 86
p0 17.05 ± 0.08044
pull
Entries 87
Mean 864.5
Std Dev 816.7

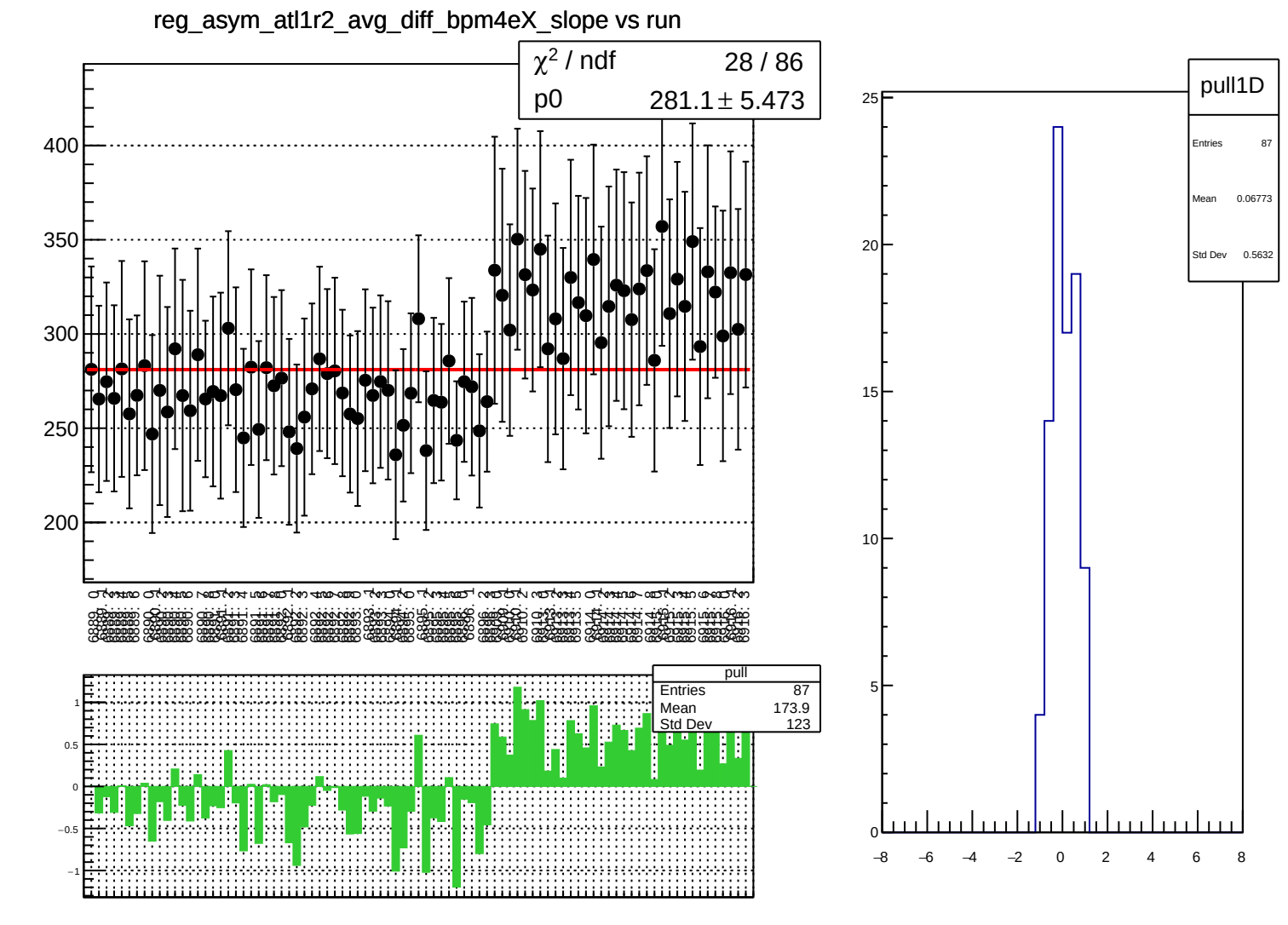

pull1D
Entries 87
Mean 0.01808
Std Dev 1.151

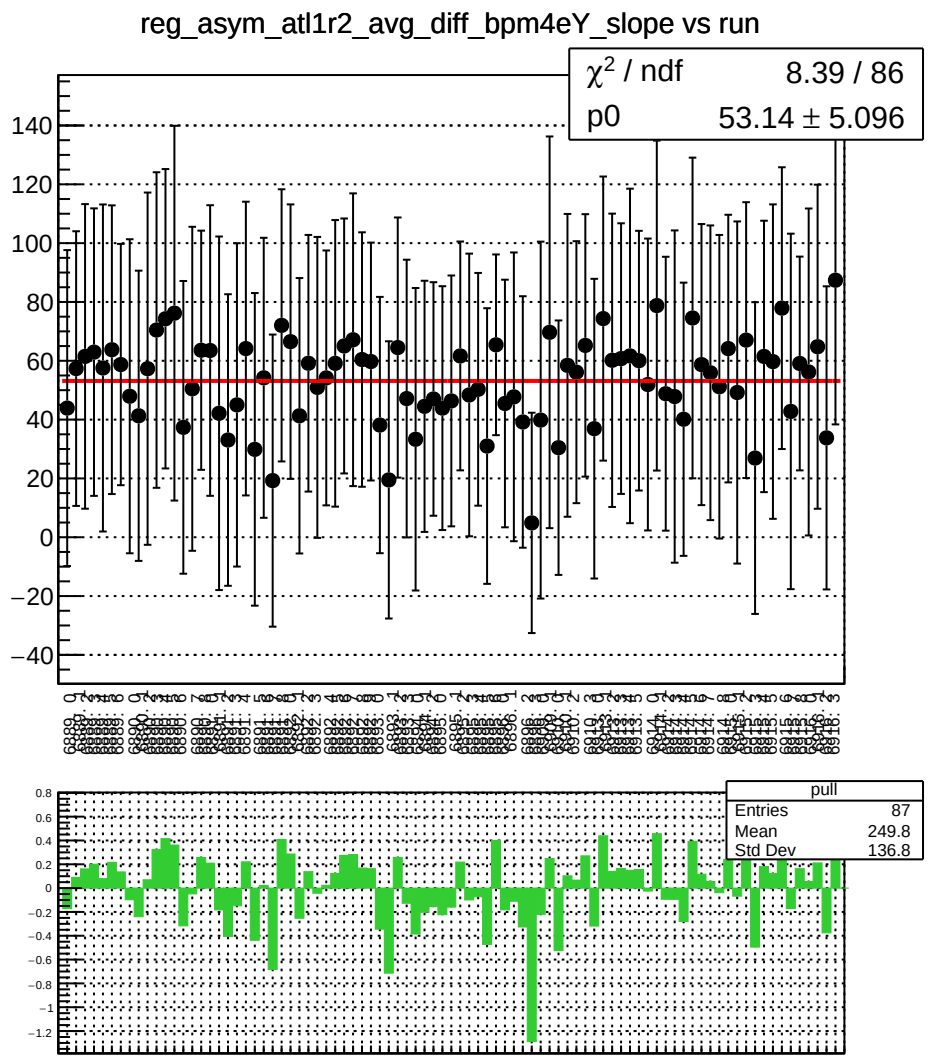

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 31.49 / 86
p0 −220.2 ± 5.713
−150
−200
−250
−300
−350
pull
Entries 87
Mean 162.2
Std Dev 111
1
0.5
0
−0.5
−1

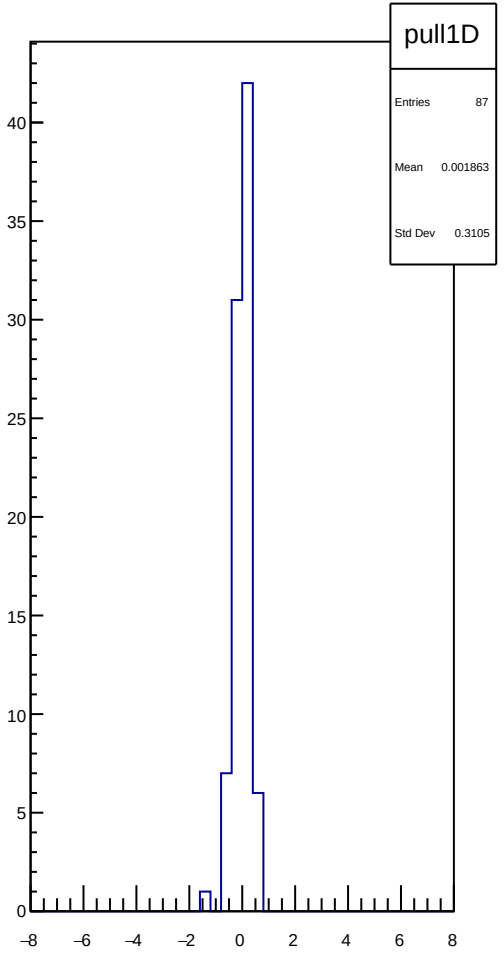

pull1D
Entries 87
Mean −0.08046
Std Dev 0.5962
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

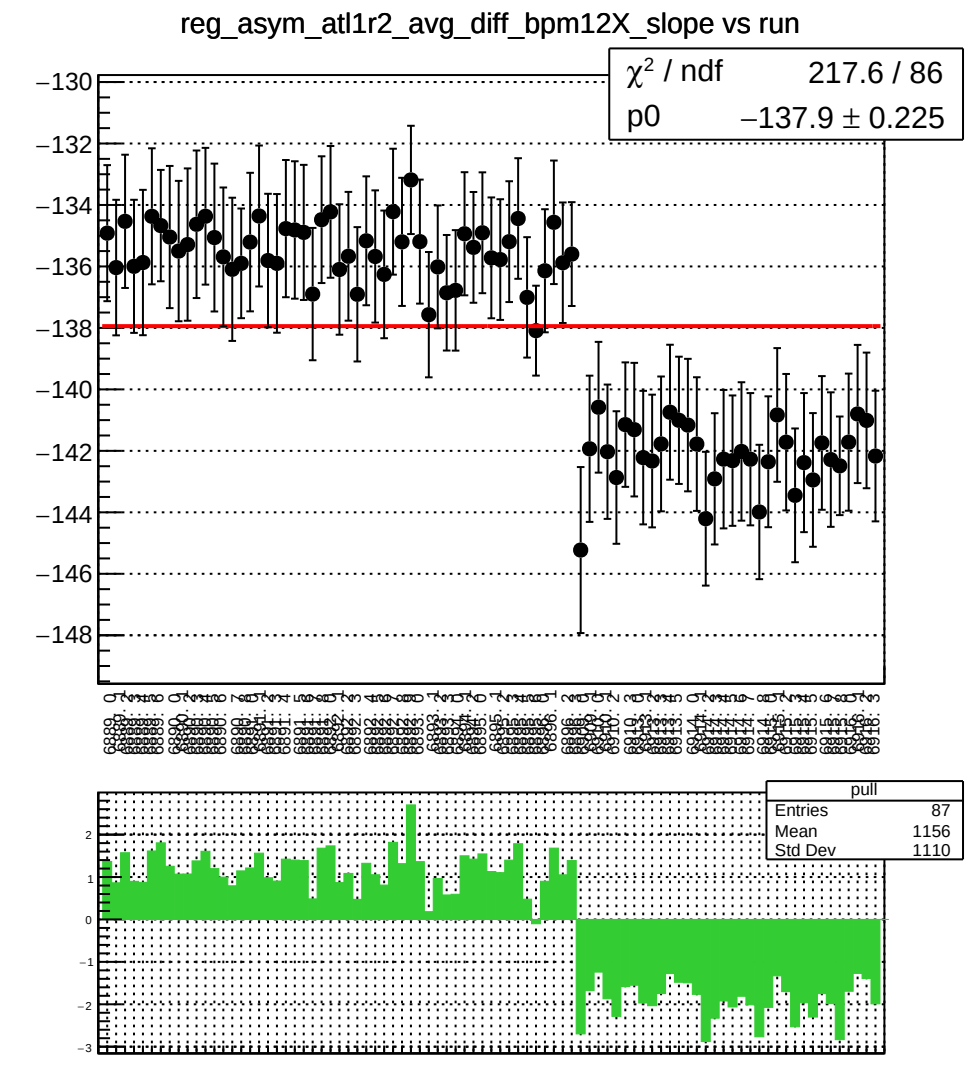

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.975 / 86
p0 6.132 ± 4.31
pull
Entries 87
Mean 253.6
Std Dev 215

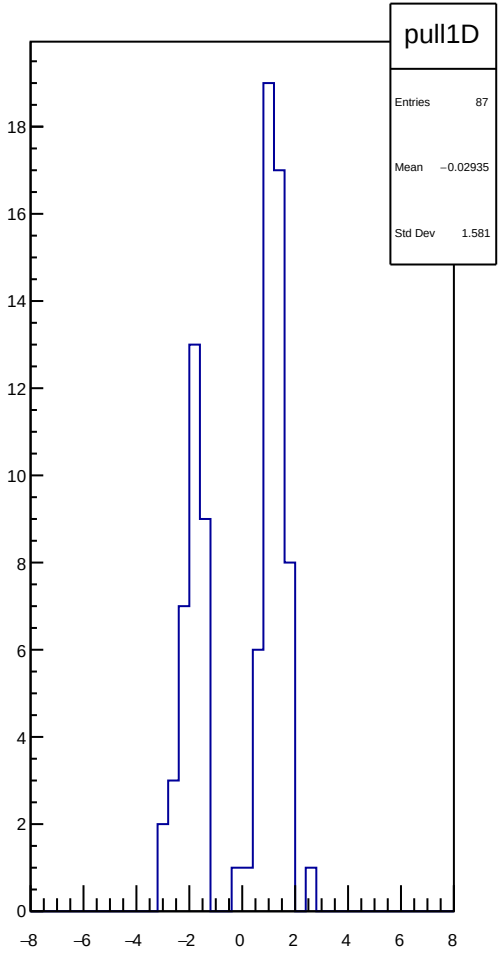

pull1D
Entries 87
Mean 0.007226
Std Dev 0.3027

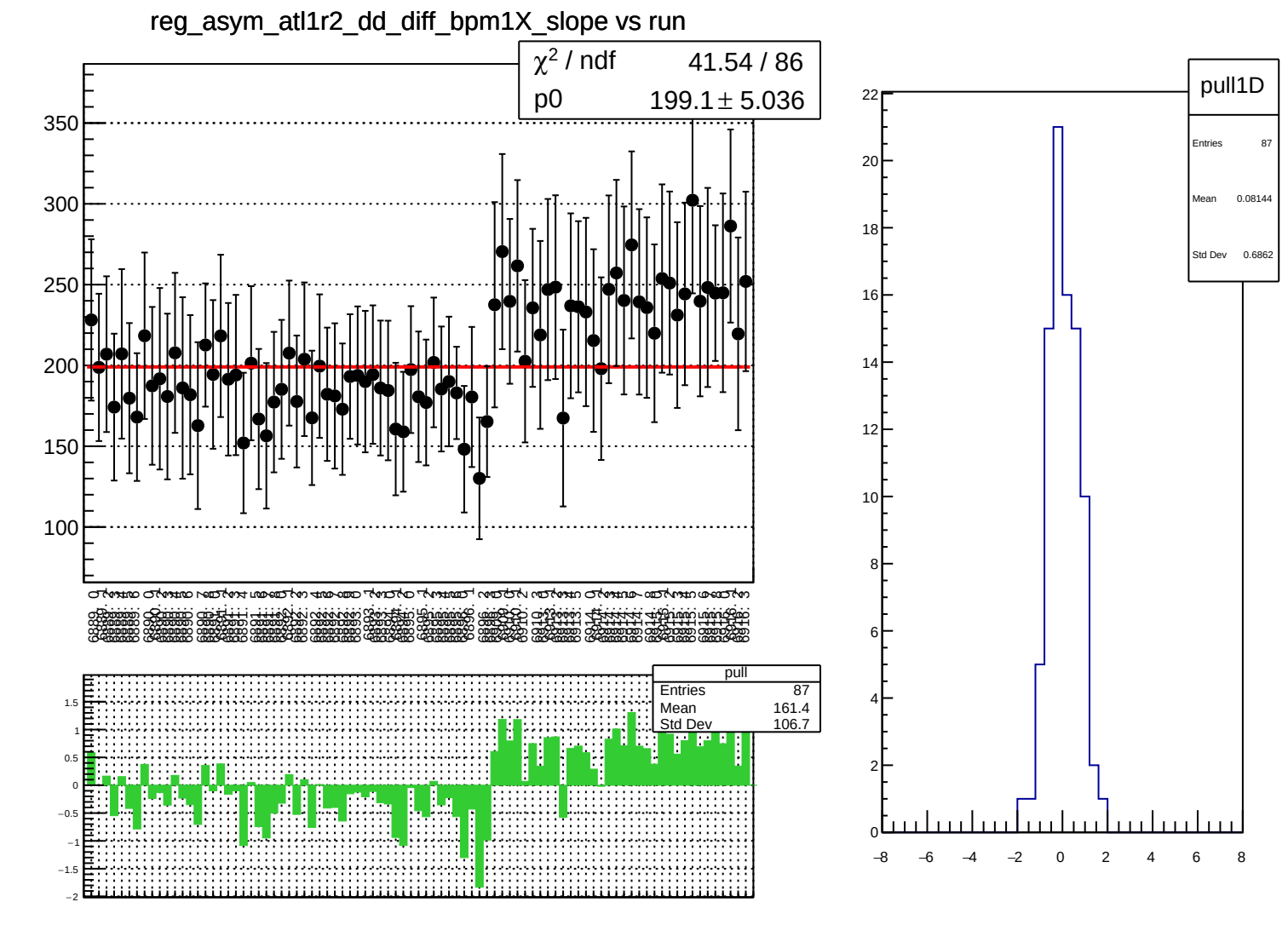

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 28 / 86
p0 281.1 ± 5.473
400
350
300
250
200
pull
Entries 87
Mean 173.9
Std Dev 123
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.06773
Std Dev 0.5632
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

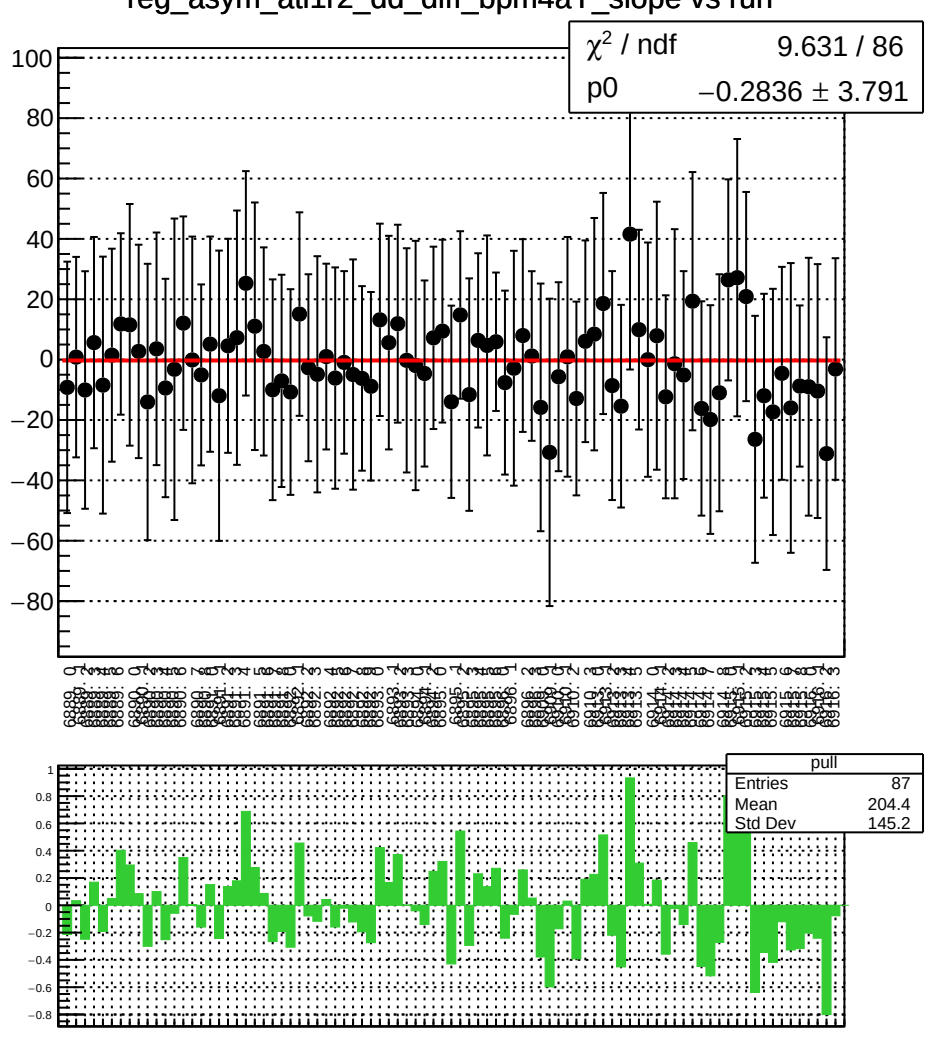

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.39 / 86
p0 53.14 ± 5.096
pull
Entries 87
Mean 249.8
Std Dev 136.8

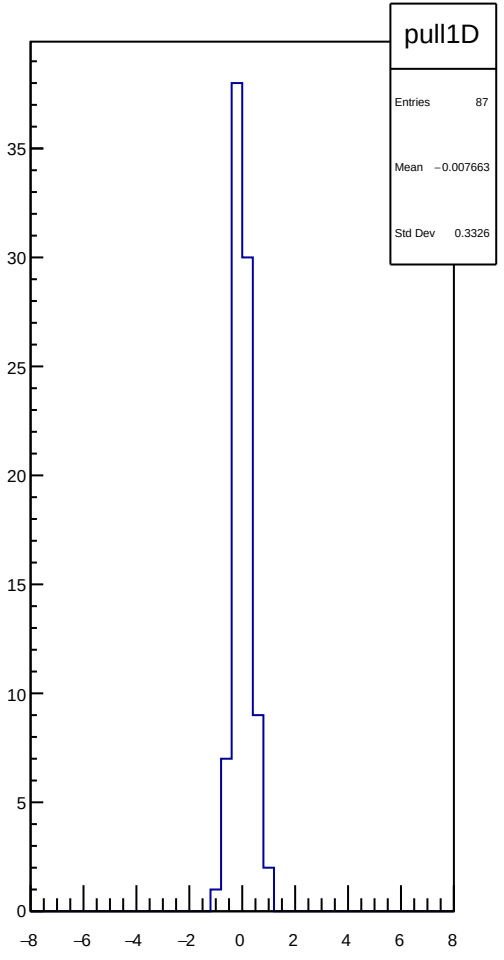

pull1D
Entries 87
Mean 0.001863
Std Dev 0.3105

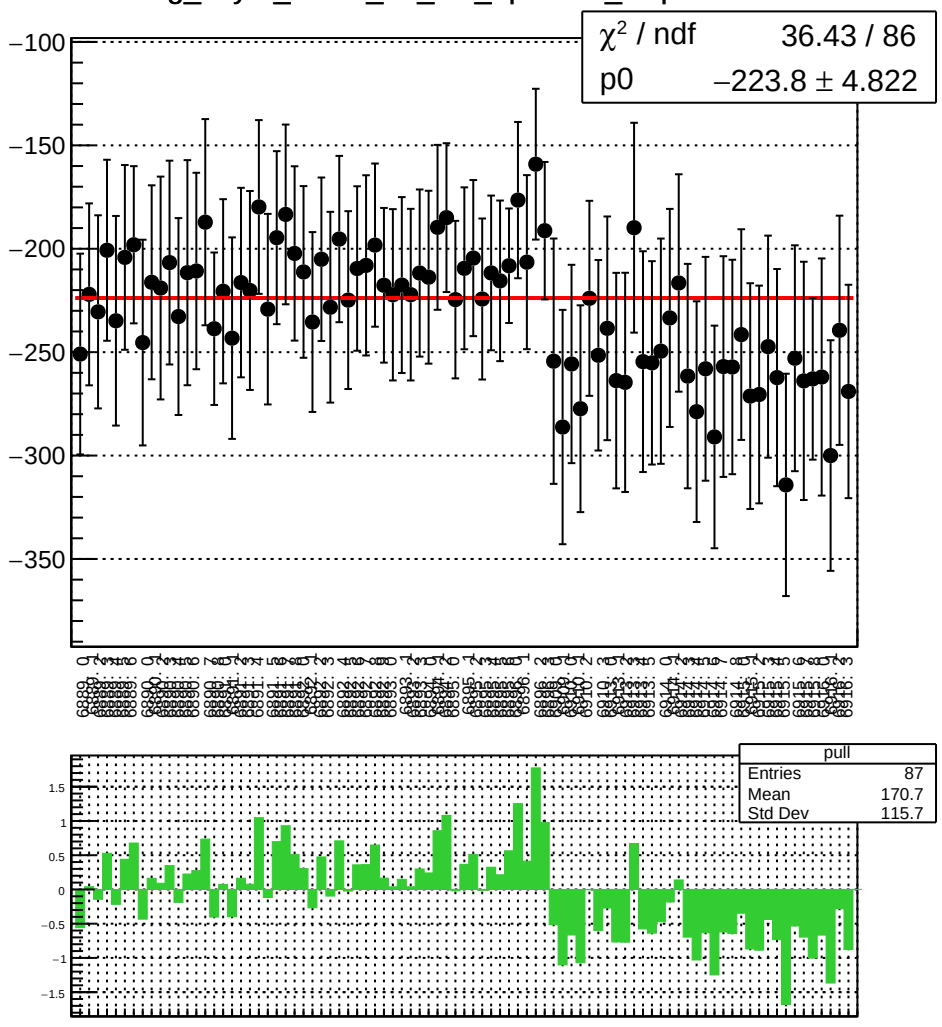

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 217.6 / 86
p0 −137.9 ± 0.225
pull
Entries 87
Mean 1156
Std Dev 1110

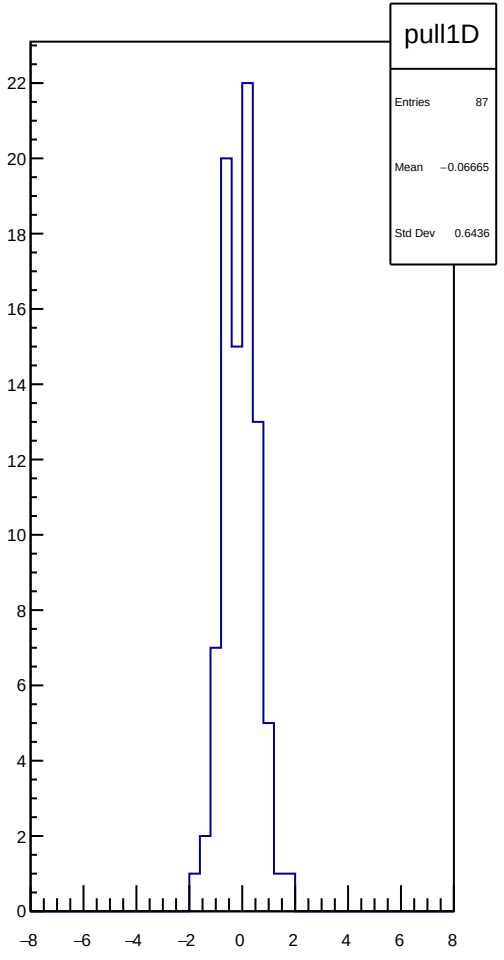

pull1D
Entries 87
Mean −0.02935
Std Dev 1.581

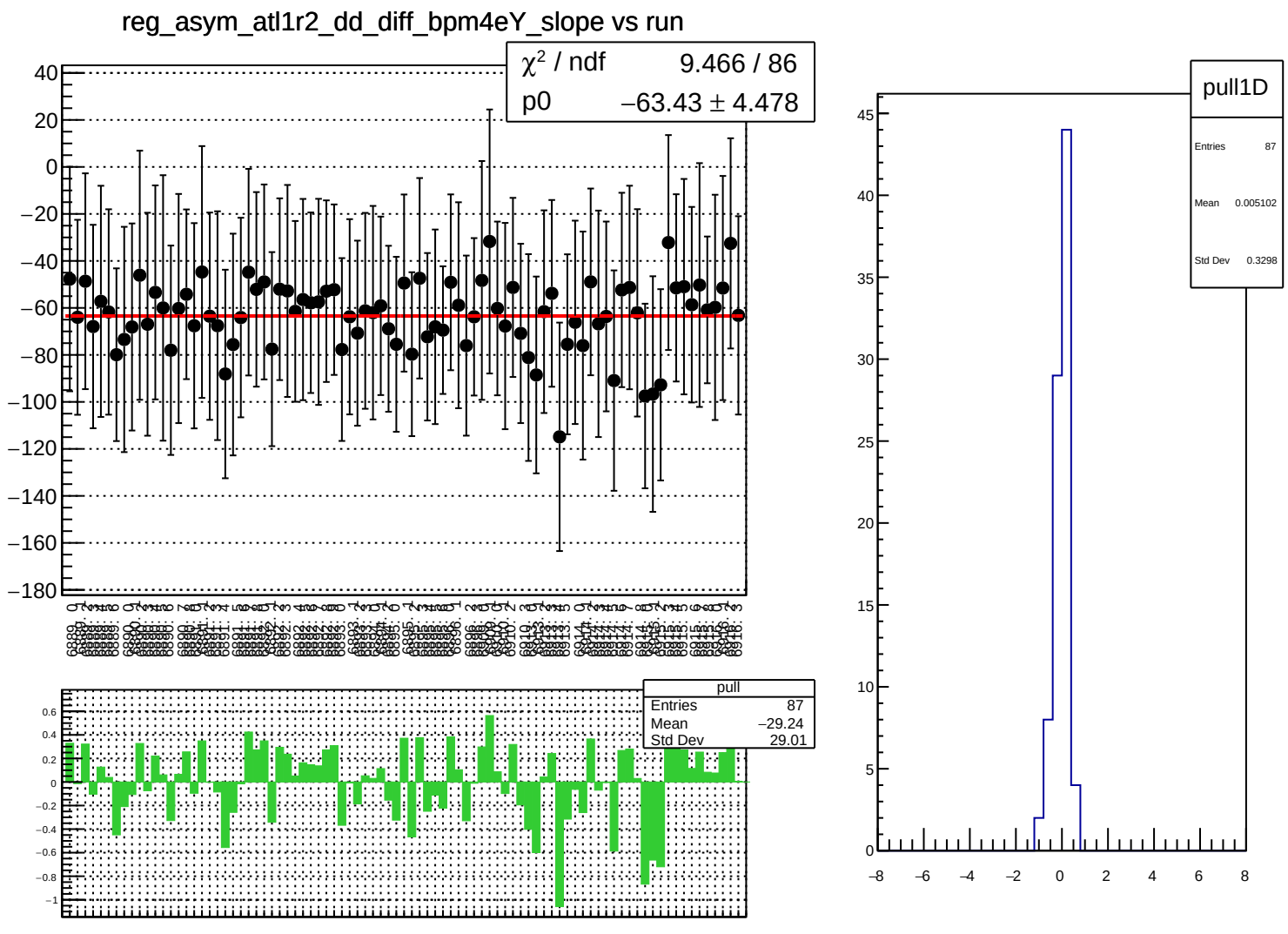

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 41.54 / 86
p0 199.1 ± 5.036
pull
Entries 87
Mean 161.4
Std Dev 106.7
pull1D
Entries 87
Mean 0.08144
Std Dev 0.6862

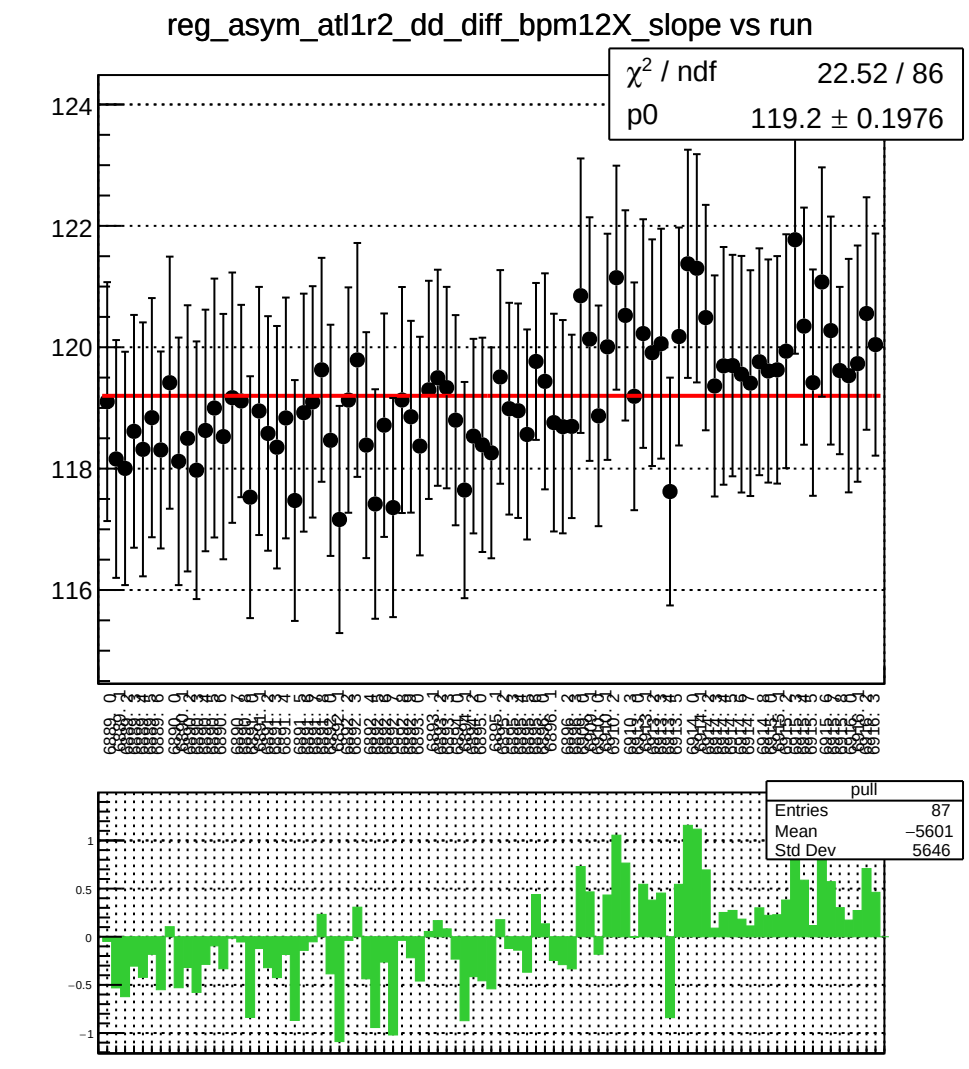

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.631 / 86
p0 −0.2836 ± 3.791
pull
Entries 87
Mean 204.4
Std Dev 145.2

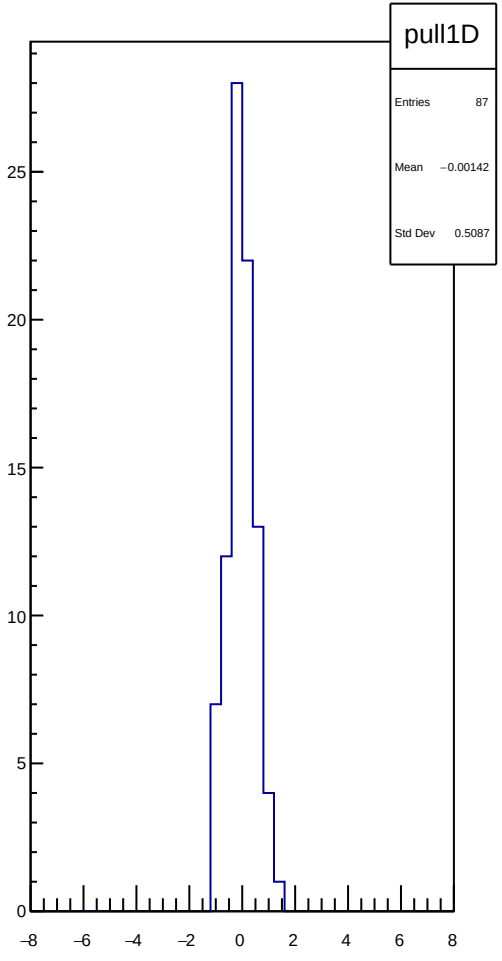

pull1D
Entries 87
Mean −0.007663
Std Dev 0.3326

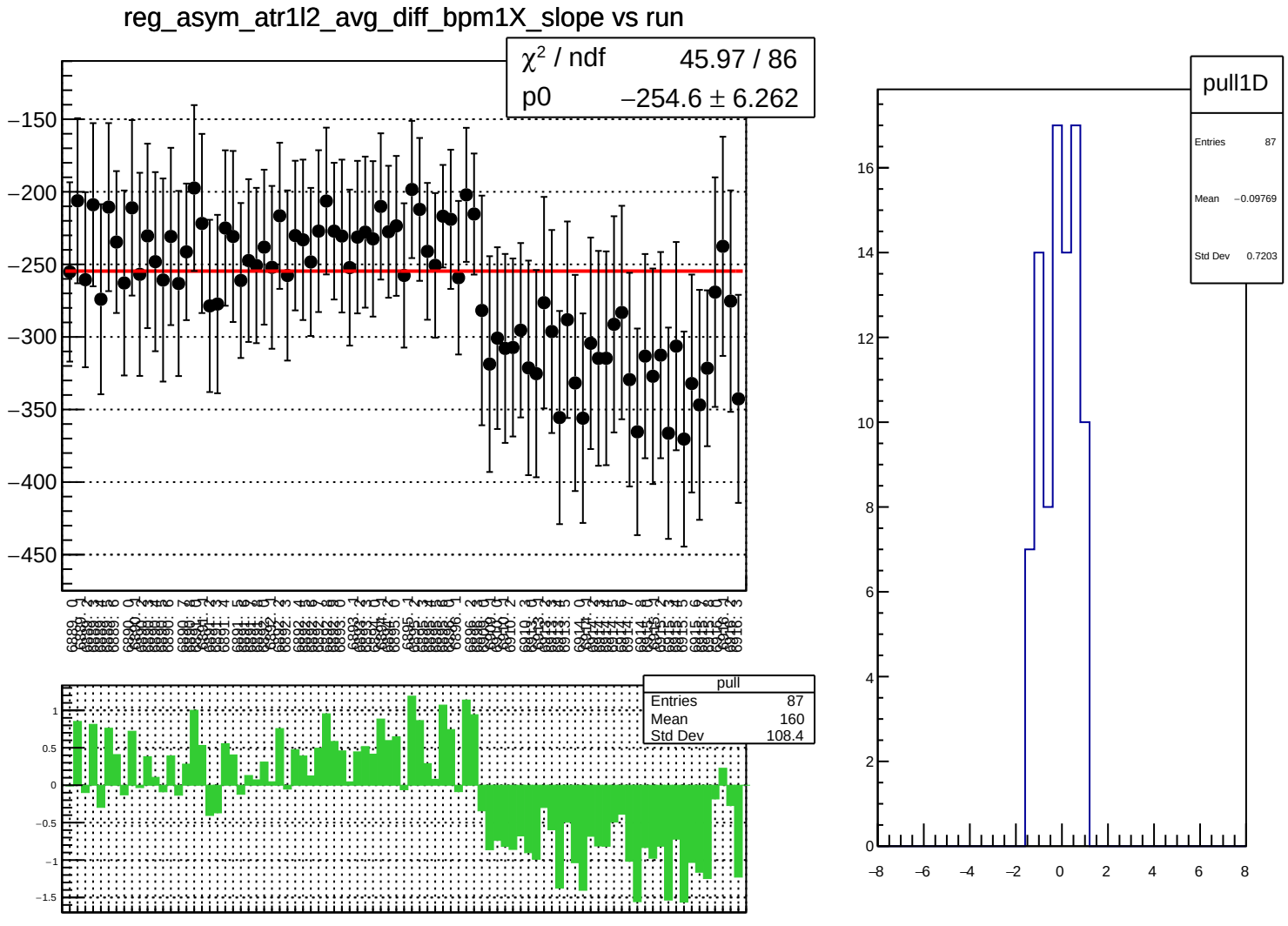

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.43 / 86
p0 −223.8 ± 4.822
pull
Entries 87
Mean 170.7
Std Dev 115.7

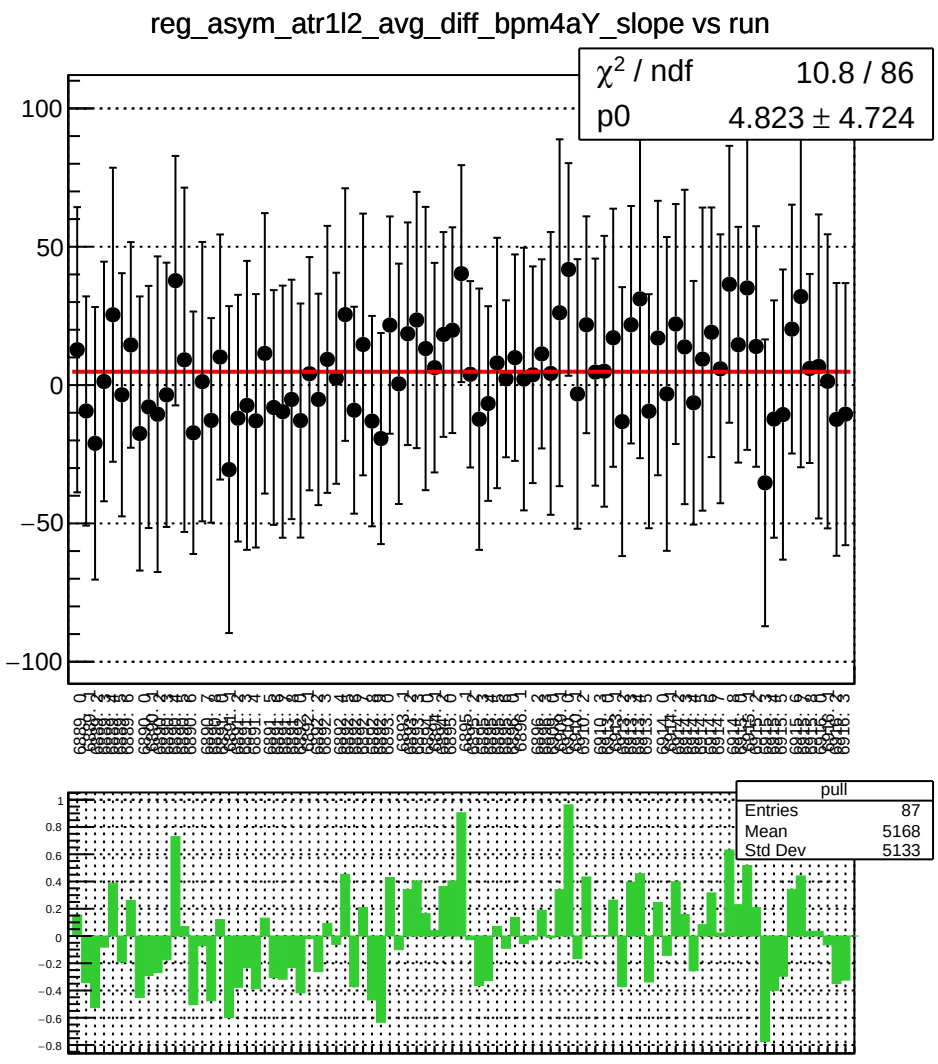

pull1D
Entries 87
Mean −0.06665
Std Dev 0.6436

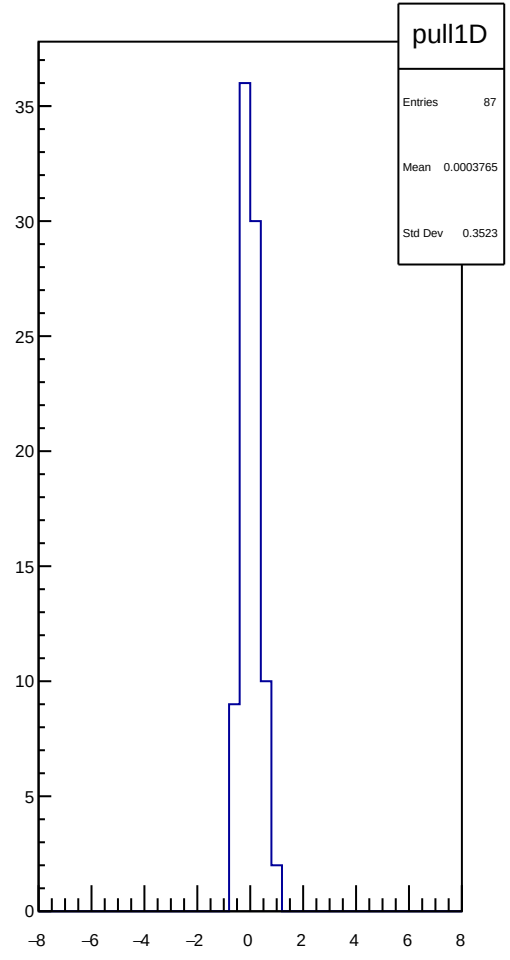

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.466 / 86
p0 −63.43 ± 4.478
pull
Entries 87
Mean −29.24
Std Dev 29.01
pull1D
Entries 87
Mean 0.005102
Std Dev 0.3298

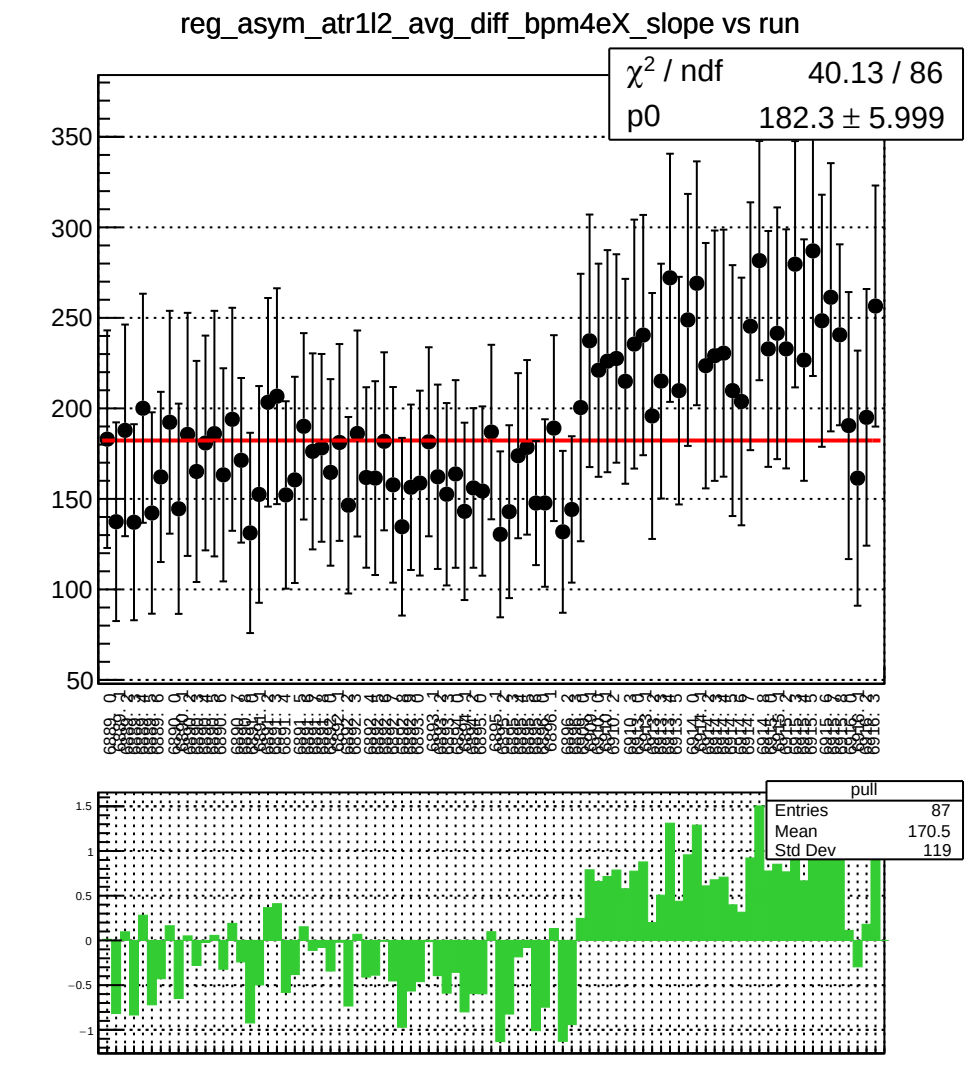

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.52 / 86
p0 119.2 ± 0.1976
124
122
120
118
116
pull
Entries 87
Mean −5601
Std Dev 5646
1
0.5
0
−0.5
−1

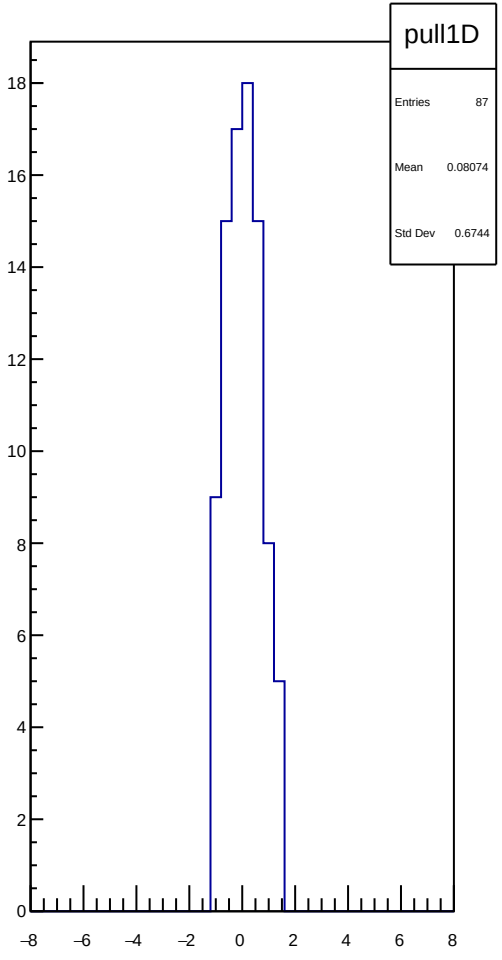

pull1D
Entries 87
Mean −0.00142
Std Dev 0.5087
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

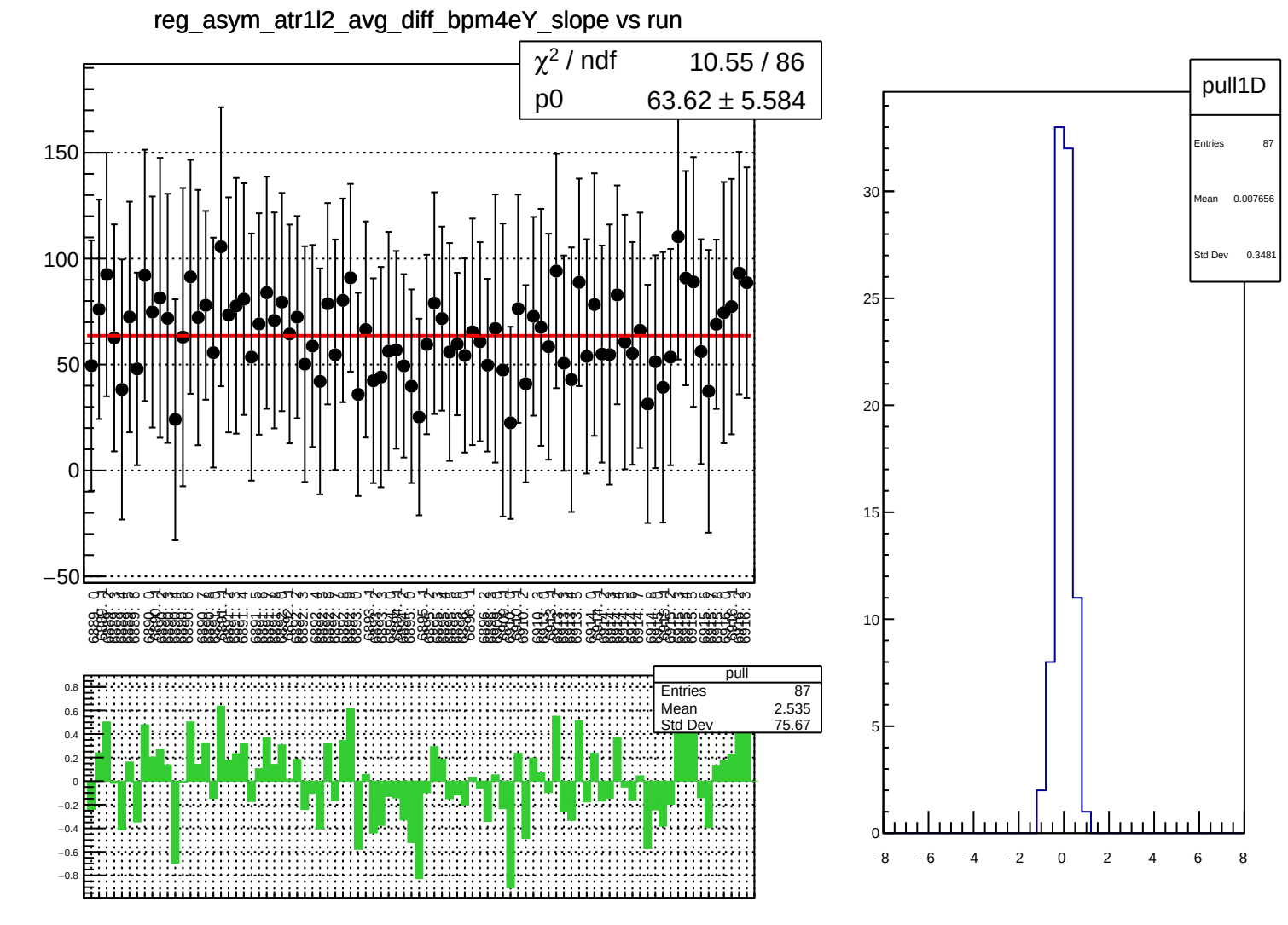

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 45.97 / 86
p0 −254.6 ± 6.262
pull
Entries 87
Mean 160
Std Dev 108.4
pull1D
Entries 87
Mean −0.09769
Std Dev 0.7203

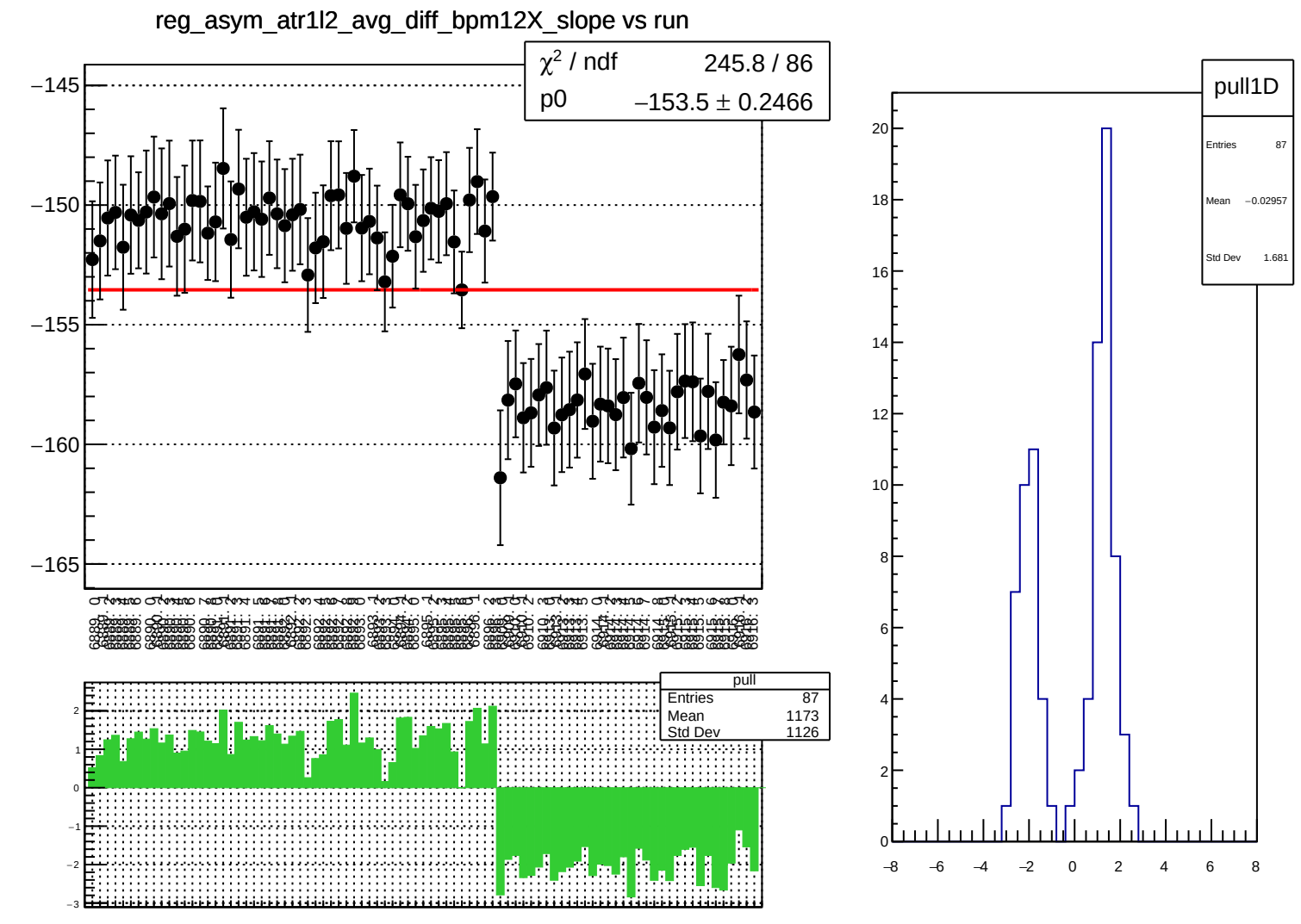

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 86
p0 4.823 ± 4.724
100
50
0
−50
−100
pull
Entries 87
Mean 5168
Std Dev 5133
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

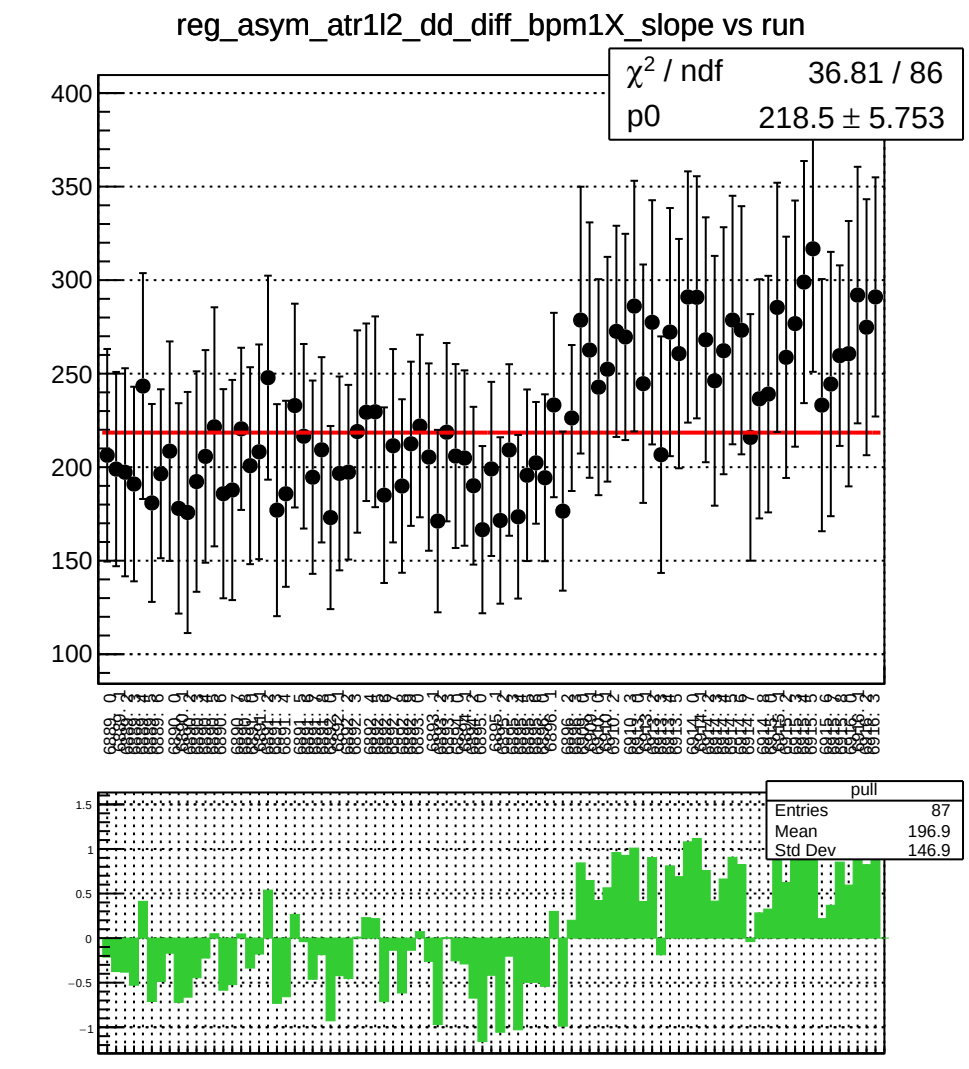

pull1D
Entries 87
Mean 0.0003765
Std Dev 0.3523
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

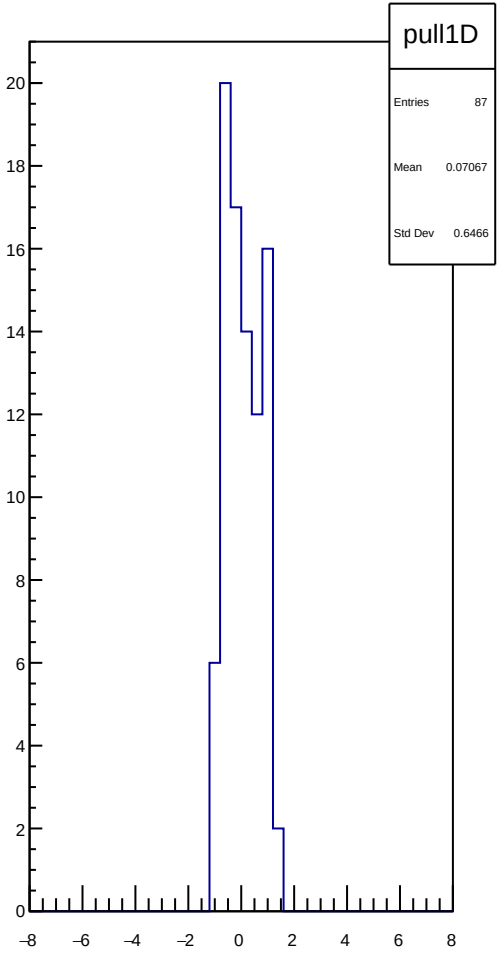

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.13 / 86
p0 182.3 ± 5.999
pull
Entries 87
Mean 170.5
Std Dev 119

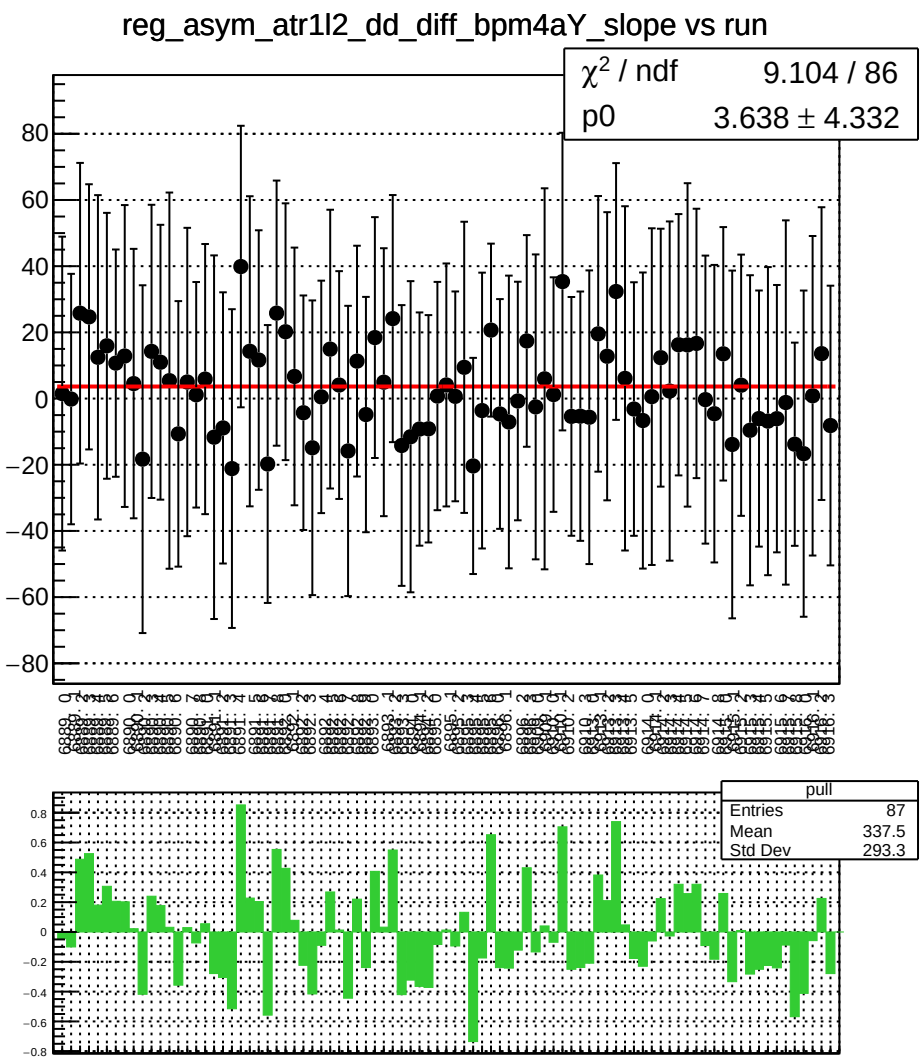

pull1D
Entries 87
Mean 0.08074
Std Dev 0.6744

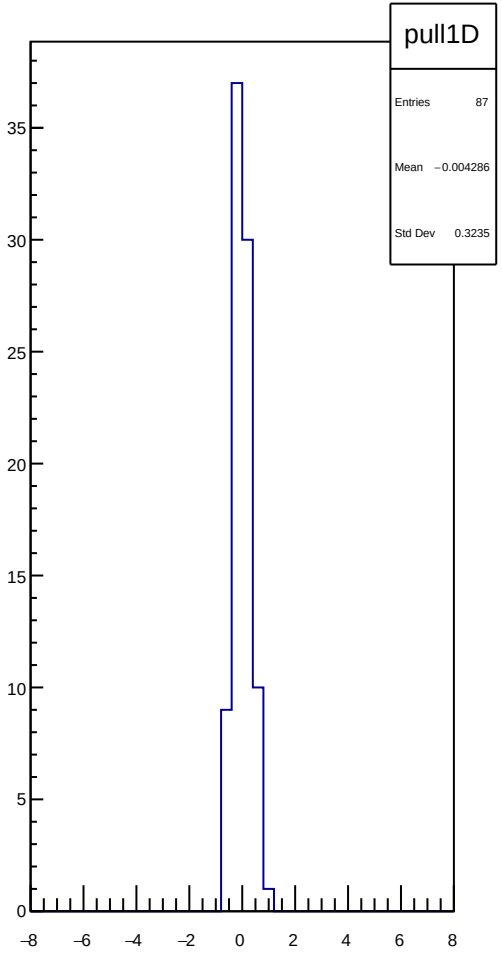

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.55 / 86
p0 63.62 ± 5.584
150
100
50
0
−50
pull
Entries 87
Mean 2.535
Std Dev 75.67
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.007656
Std Dev 0.3481
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

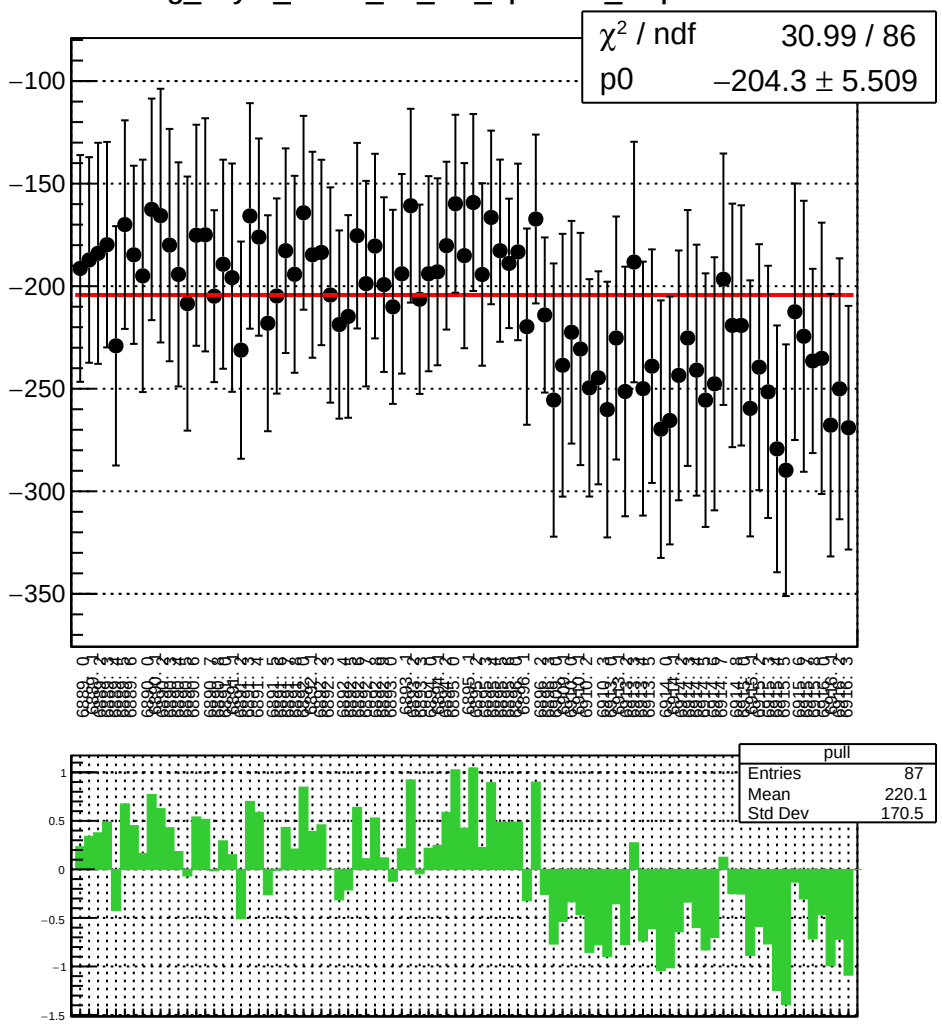

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 245.8 / 86
p0 −153.5 ± 0.2466
−145
−150
−155
−160
−165
pull
Entries 87
Mean 1173
Std Dev 1126
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.02957
Std Dev 1.681
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

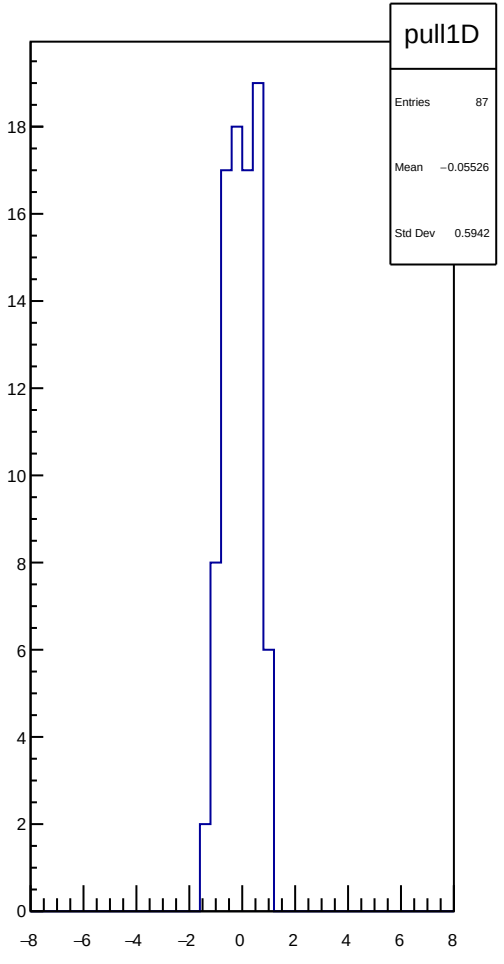

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 36.81 / 86
p0 218.5 ± 5.753
pull
Entries 87
Mean 196.9
Std Dev 146.9

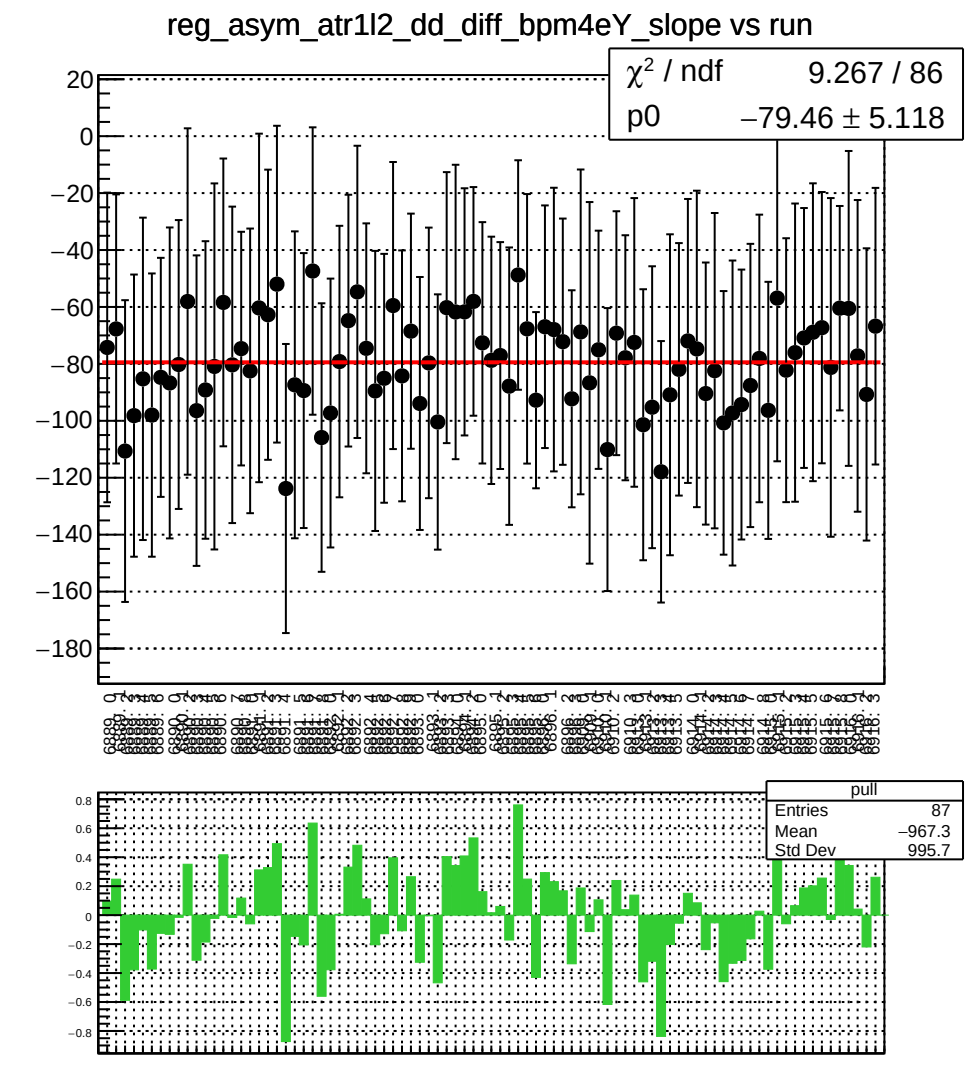

pull1D
Entries 87
Mean 0.07067
Std Dev 0.6466

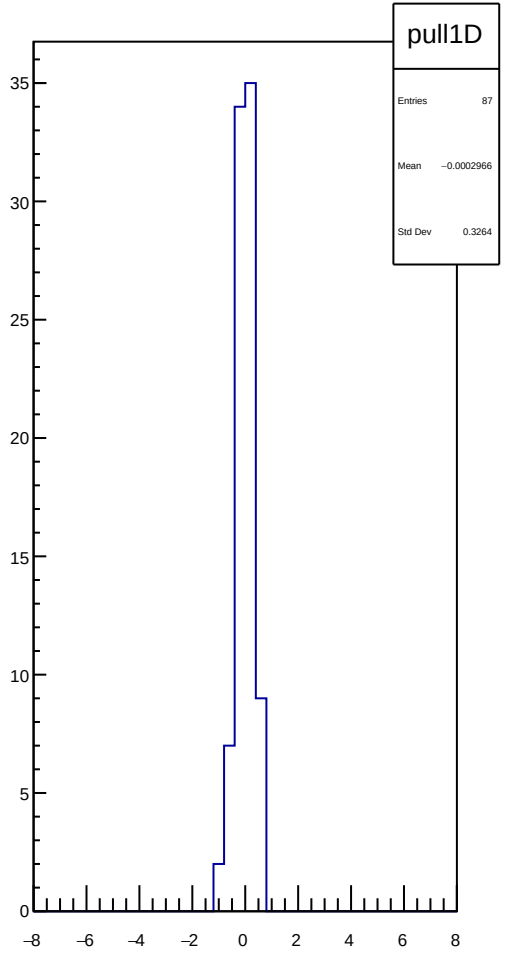

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.104 / 86
p0 3.638 ± 4.332
pull
Entries 87
Mean 337.5
Std Dev 293.3

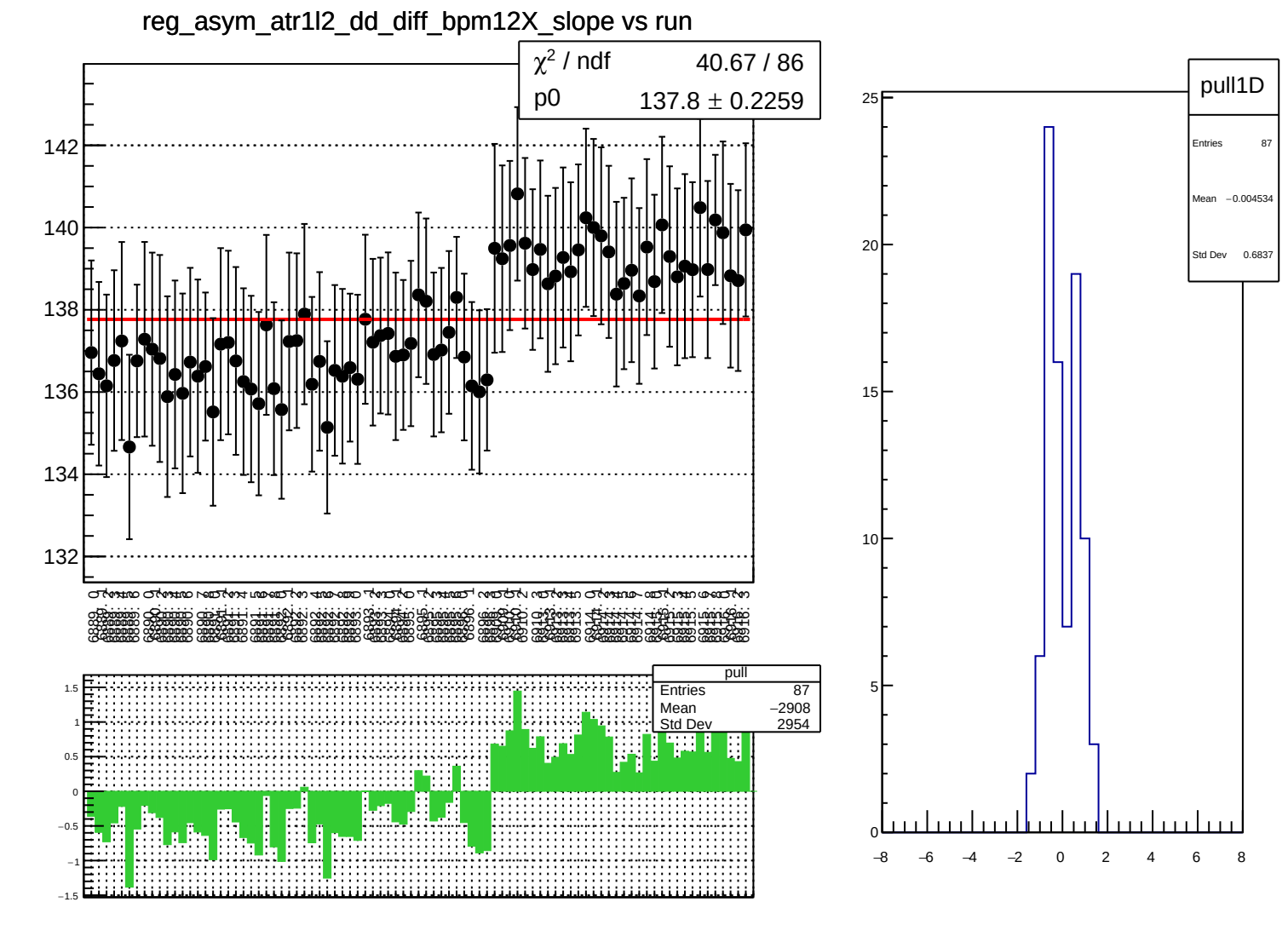

pull1D
Entries 87
Mean −0.004286
Std Dev 0.3235

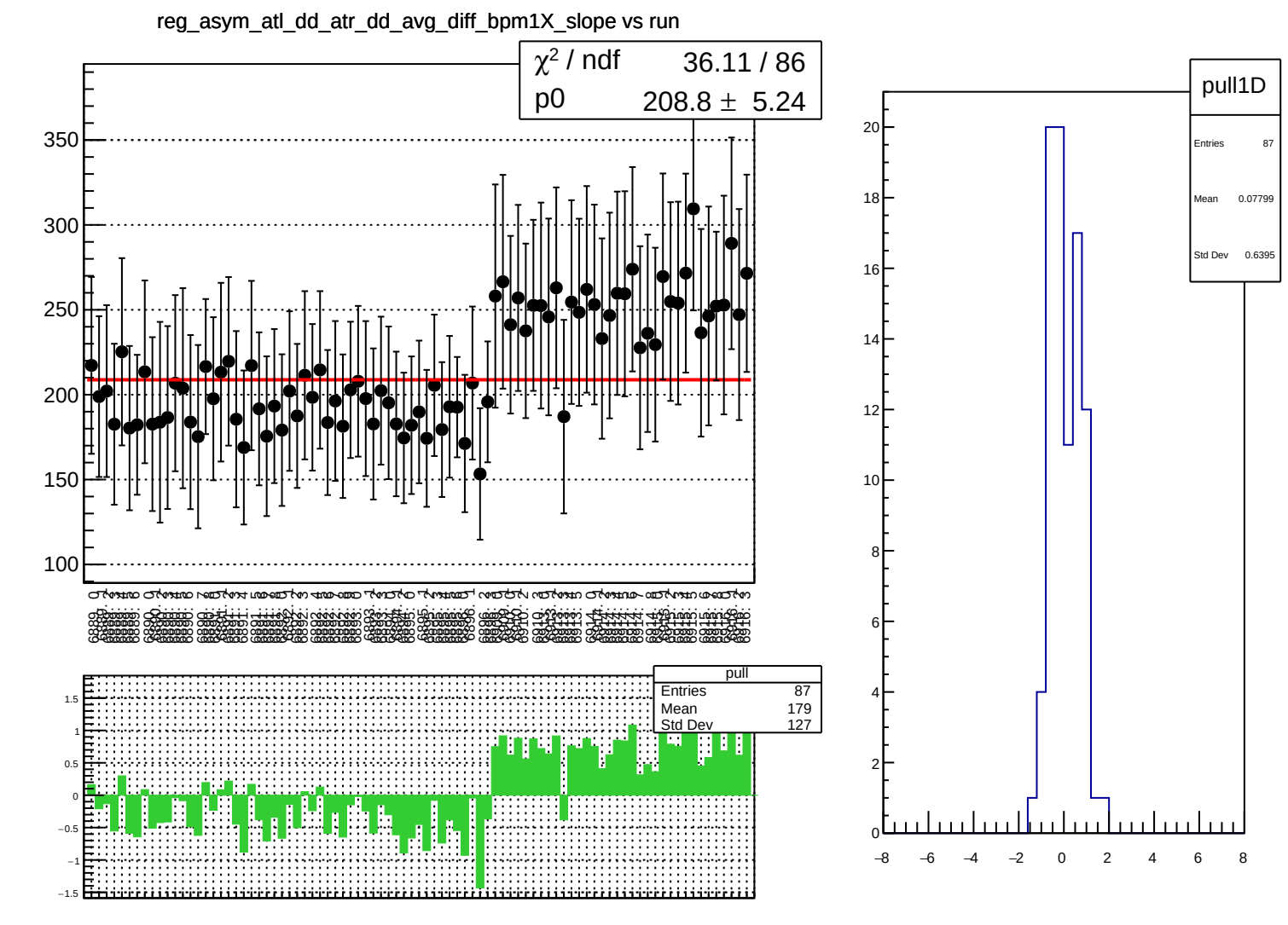

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.99 / 86
p0 −204.3 ± 5.509
pull
Entries 87
Mean 220.1
Std Dev 170.5

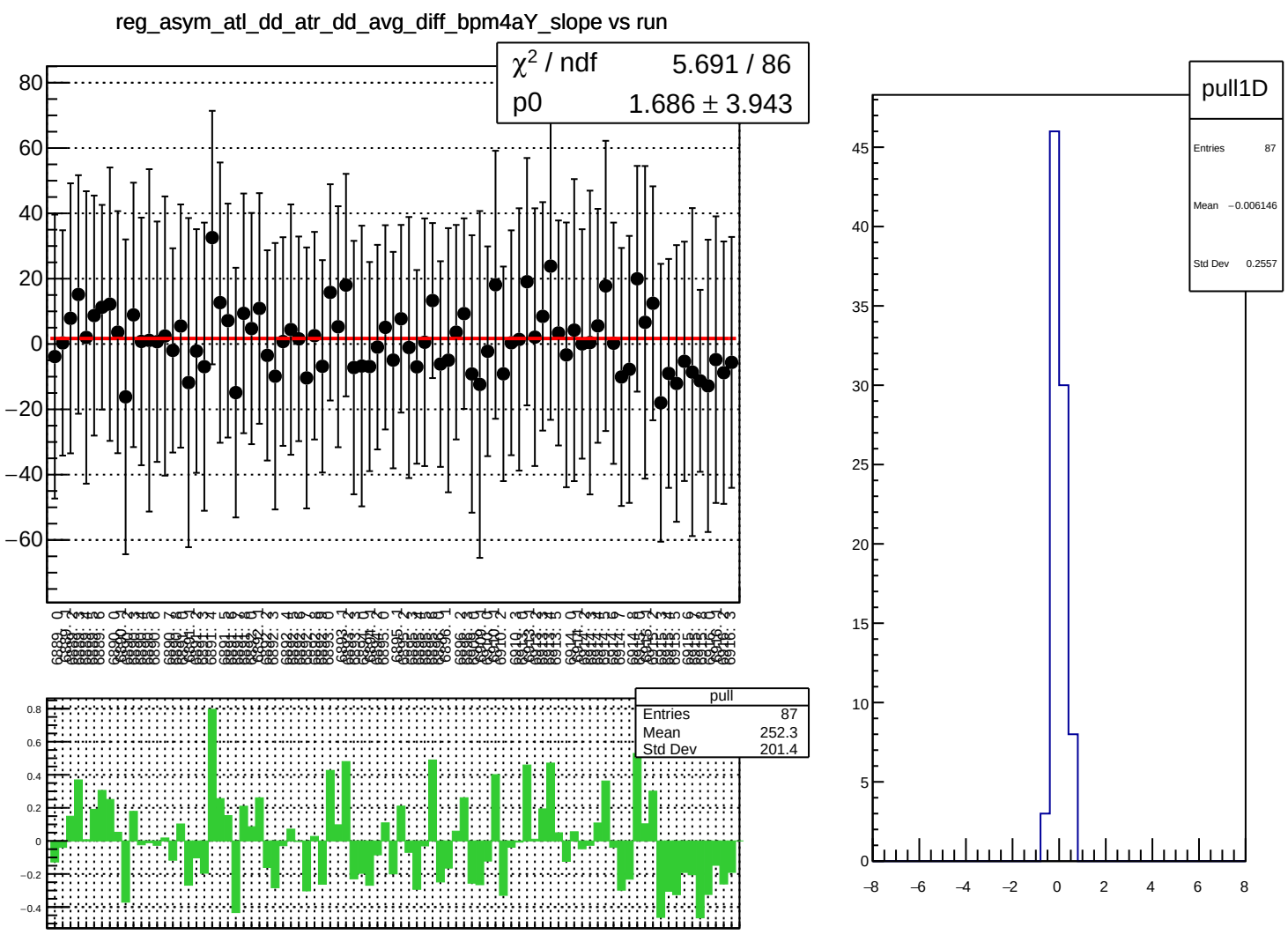

pull1D
Entries 87
Mean −0.05526
Std Dev 0.5942

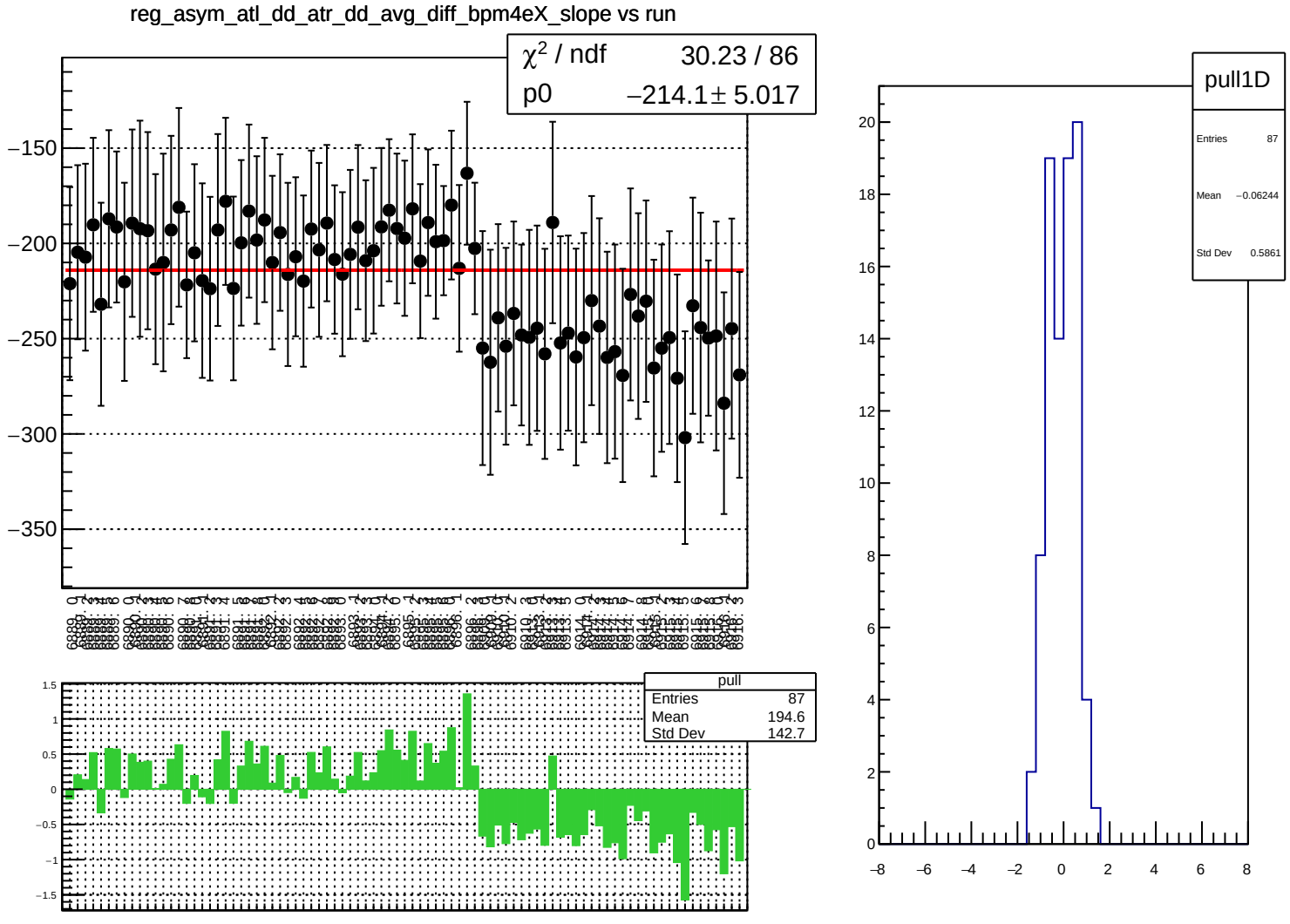

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.267 / 86
p0 −79.46 ± 5.118
pull
Entries 87
Mean −967.3
Std Dev 995.7

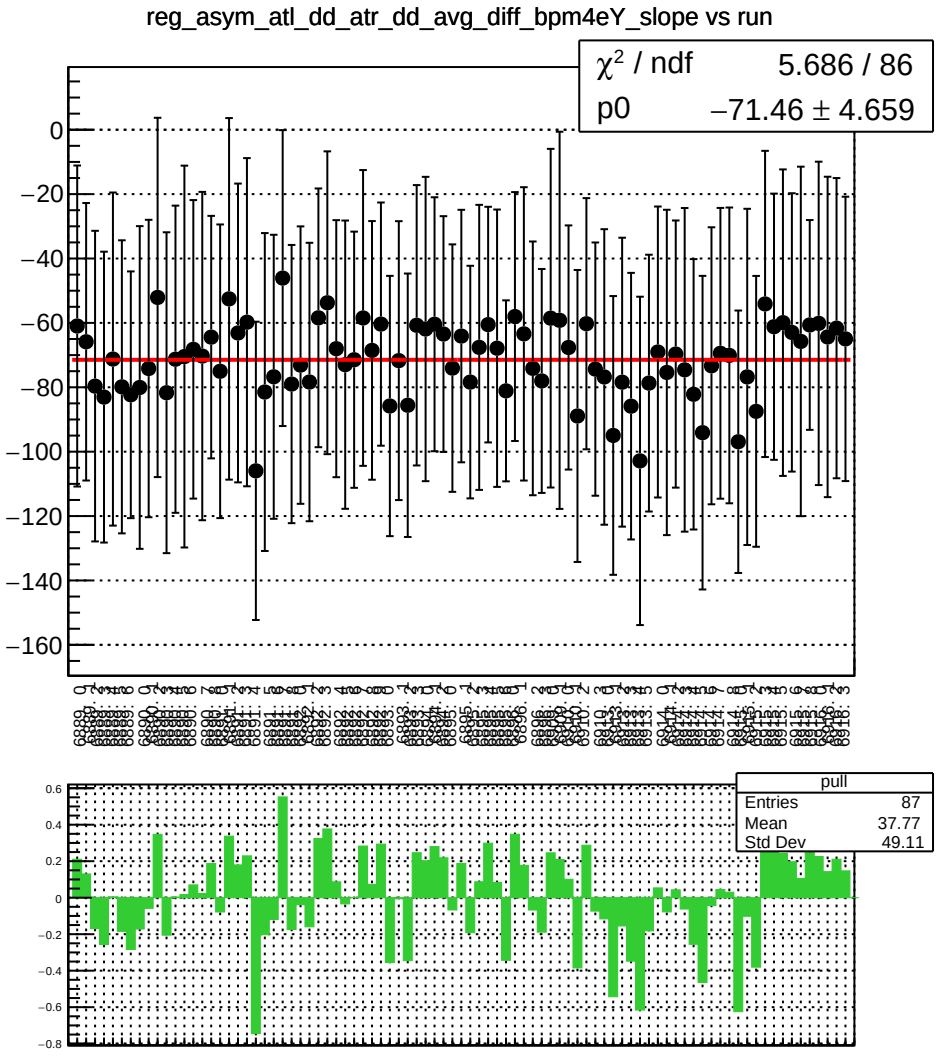

pull1D
Entries 87
Mean −0.0002966
Std Dev 0.3264

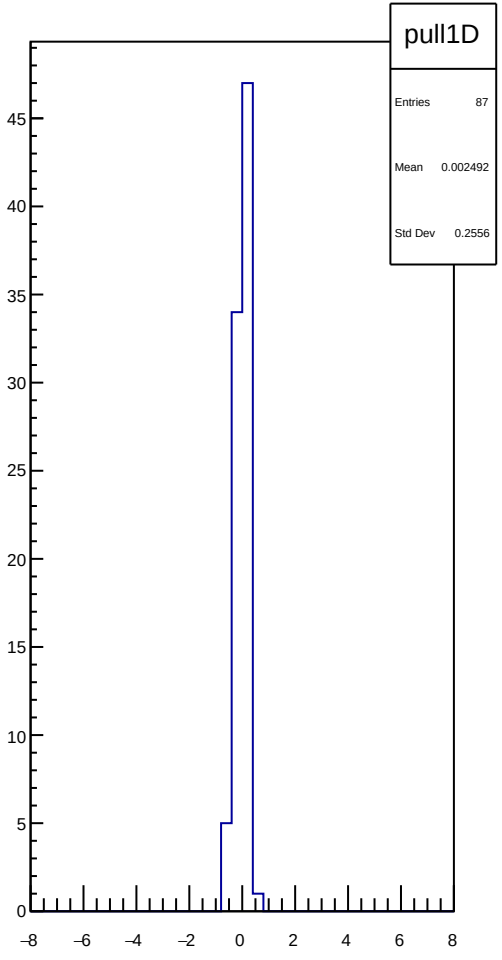

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 40.67 / 86
p0 137.8 ± 0.2259
142
140
138
136
134
132
pull
Entries 87
Mean −2908
Std Dev 2954
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.004534
Std Dev 0.6837
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

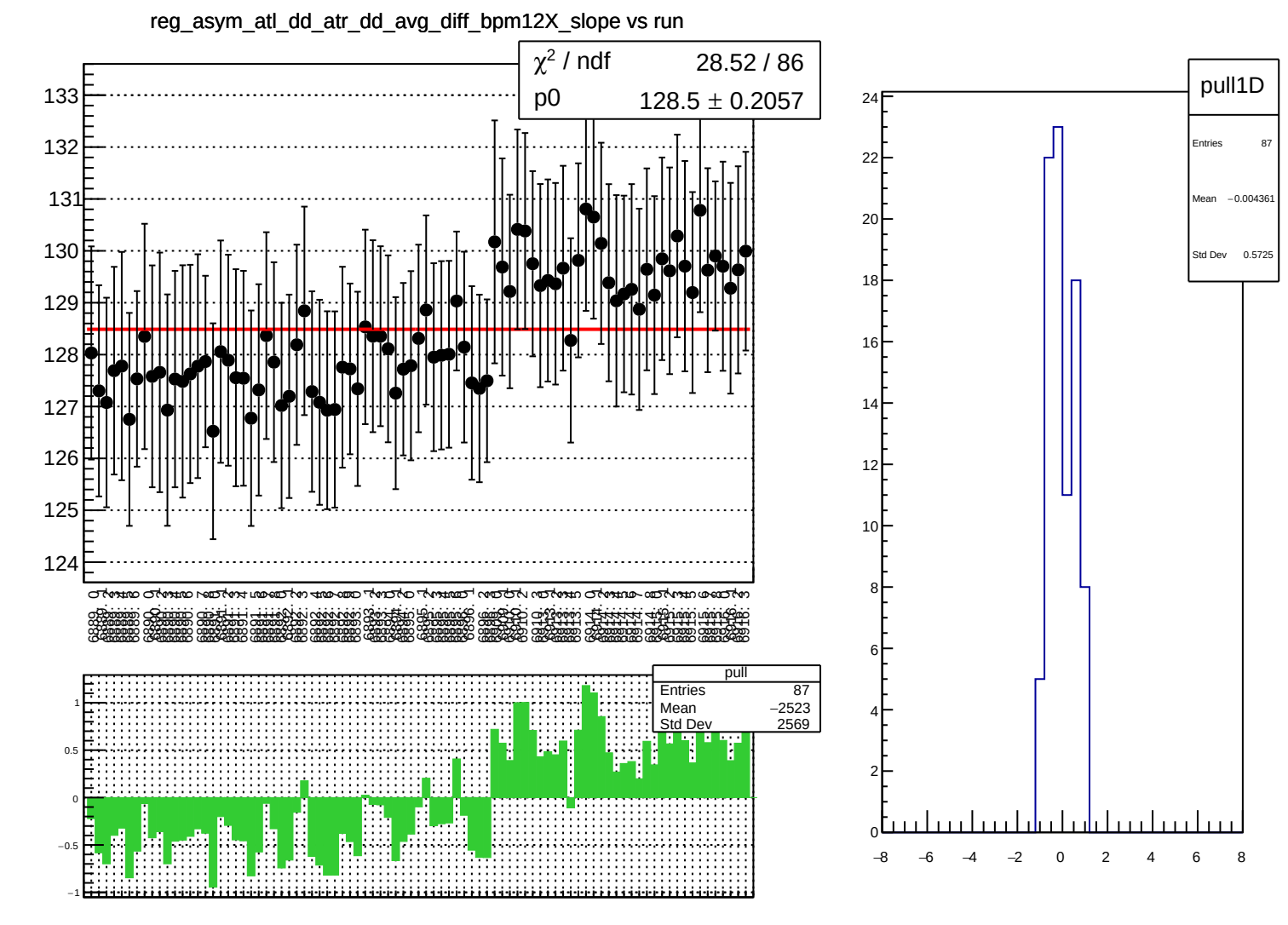

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 36.11 / 86
p0 208.8 ± 5.24
350
300
250
200
150
100
pull
Entries 87
Mean 179
Std Dev 127
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.07799
Std Dev 0.6395
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

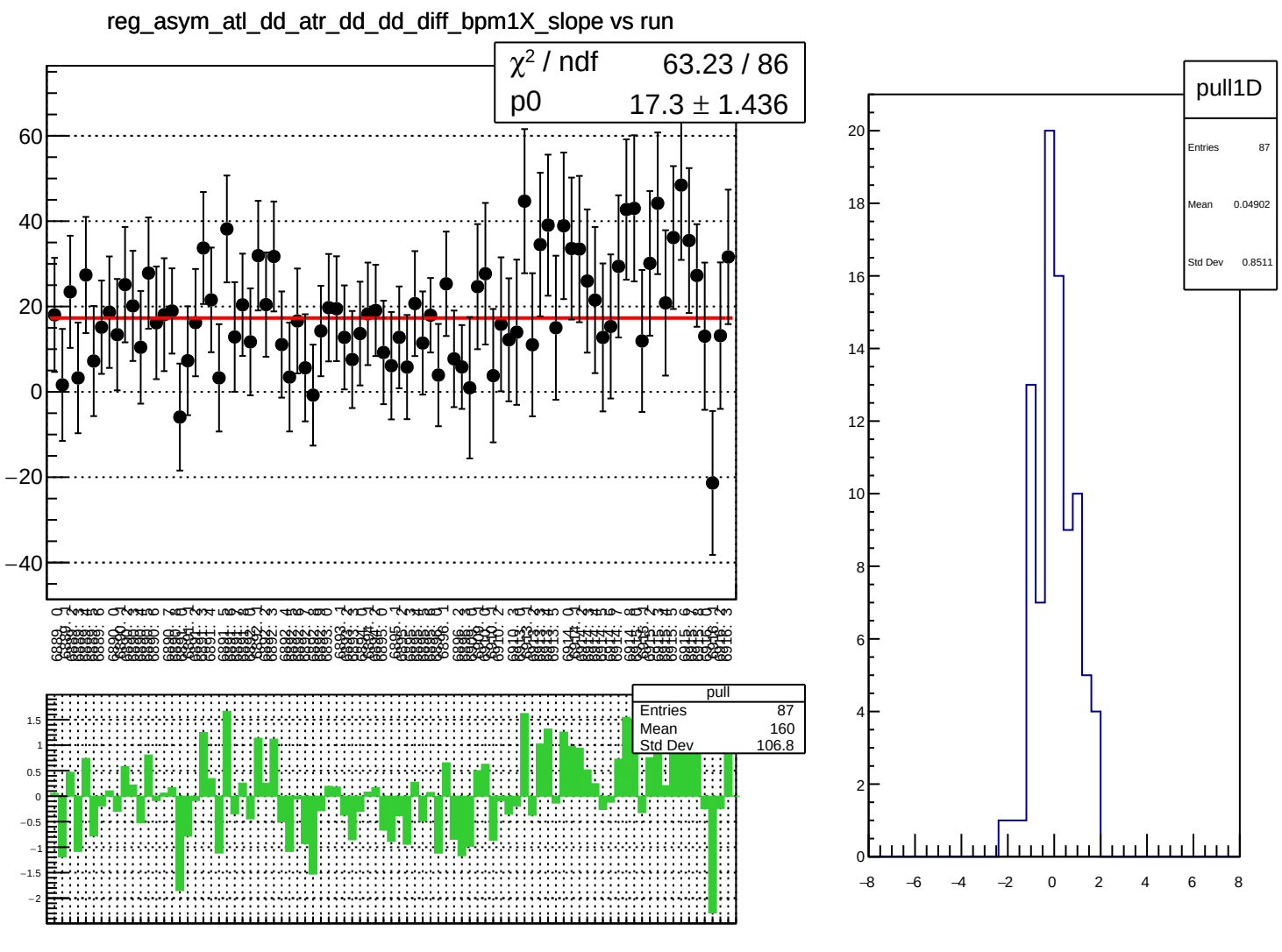

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.691 / 86
p0 1.686 ± 3.943
pull
Entries 87
Mean 252.3
Std Dev 201.4
pull1D
Entries 87
Mean −0.006146
Std Dev 0.2557

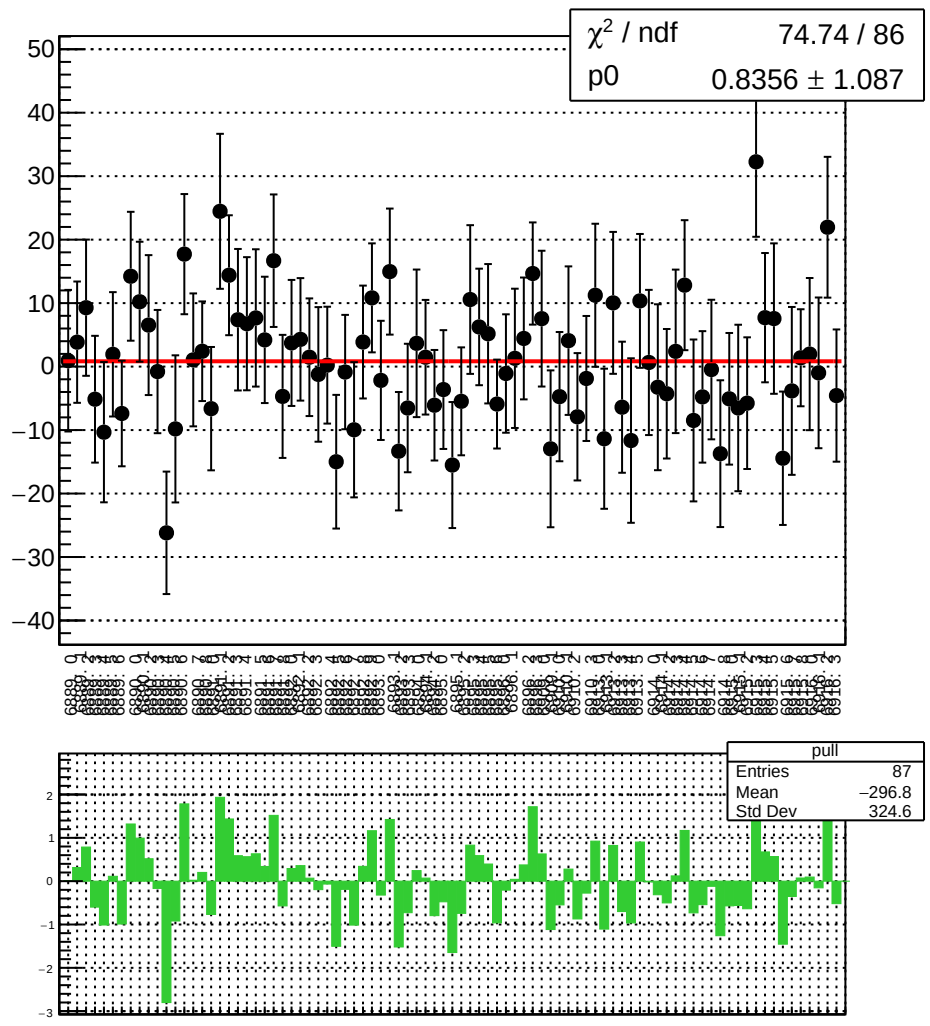

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.23 / 86
p0 −214.1 ± 5.017
−150
−200
−250
−300
−350
pull
Entries 87
Mean 194.6
Std Dev 142.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.06244
Std Dev 0.5861
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

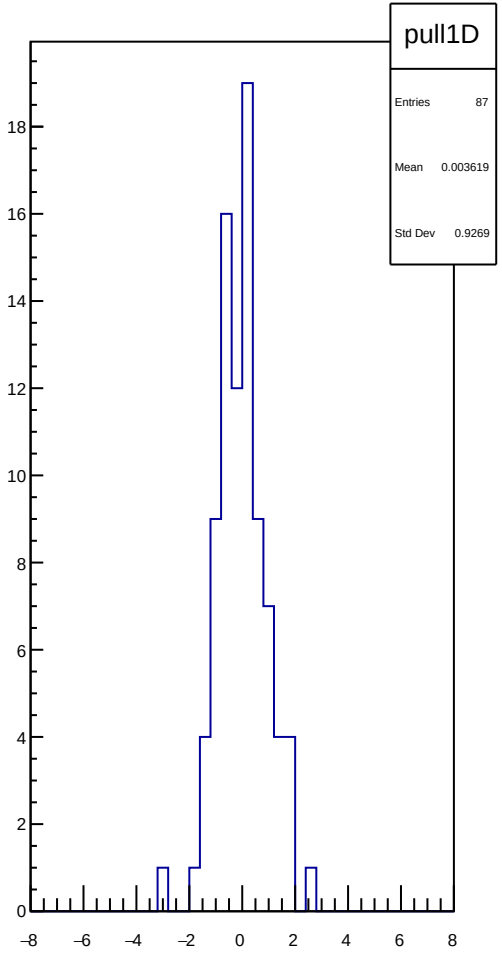

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.686 / 86
p0 −71.46 ± 4.659
pull
Entries 87
Mean 37.77
Std Dev 49.11

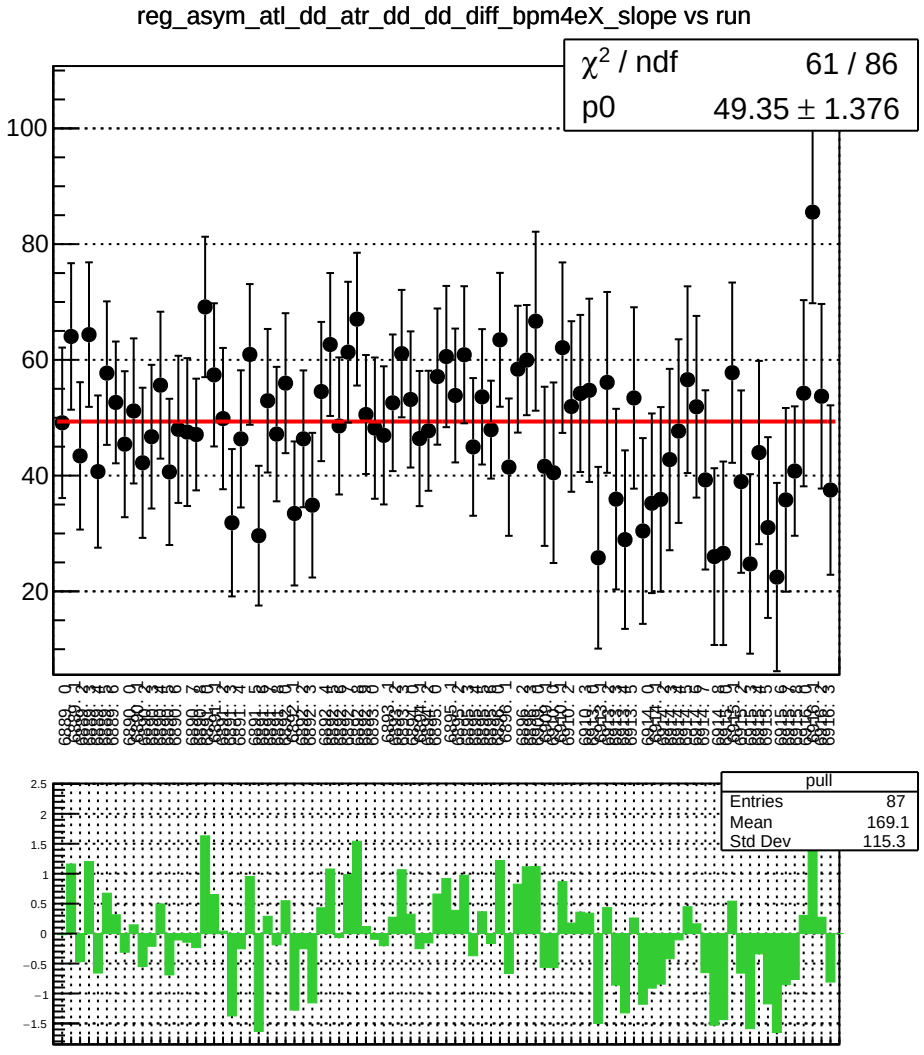

pull1D
Entries 87
Mean 0.002492
Std Dev 0.2556

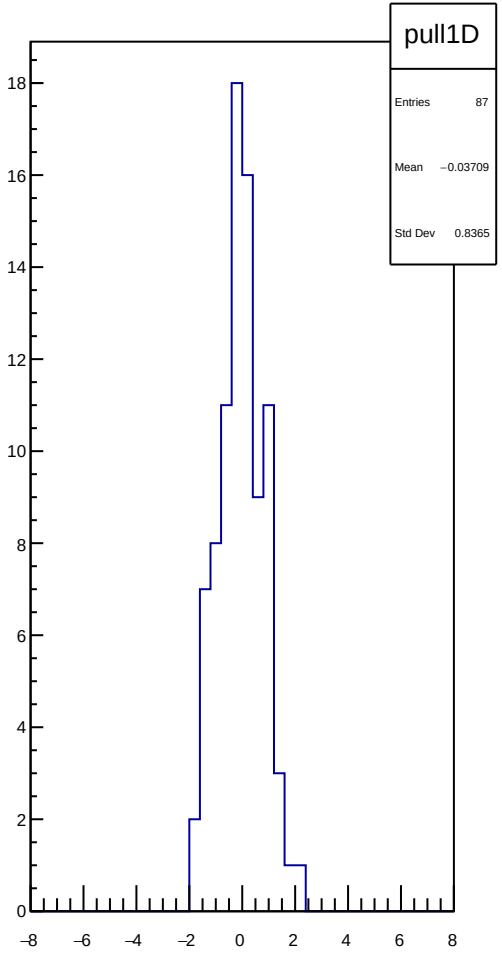

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 28.52 / 86
p0 128.5 ± 0.2057
pull
Entries 87
Mean −2523
Std Dev 2569
pull1D
Entries 87
Mean −0.004361
Std Dev 0.5725

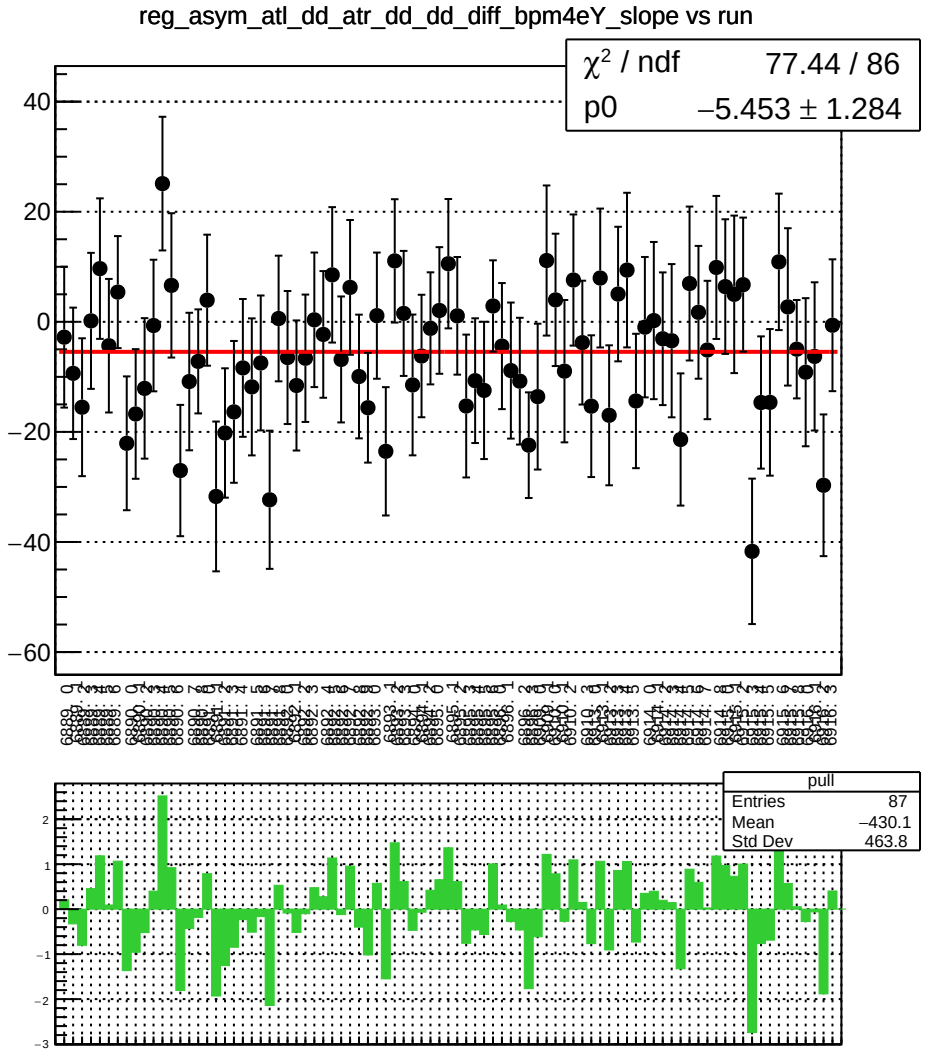

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 63.23 / 86
p0 17.3 ± 1.436
pull
Entries 87
Mean 160
Std Dev 106.8
pull1D
Entries 87
Mean 0.04902
Std Dev 0.8511

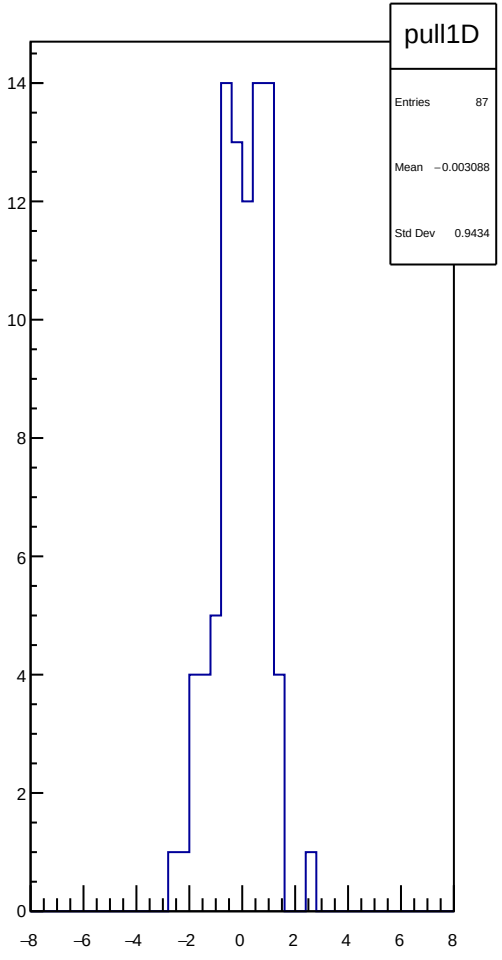

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.74 / 86
p0 0.8356 ± 1.087
pull
Entries 87
Mean −296.8
Std Dev 324.6

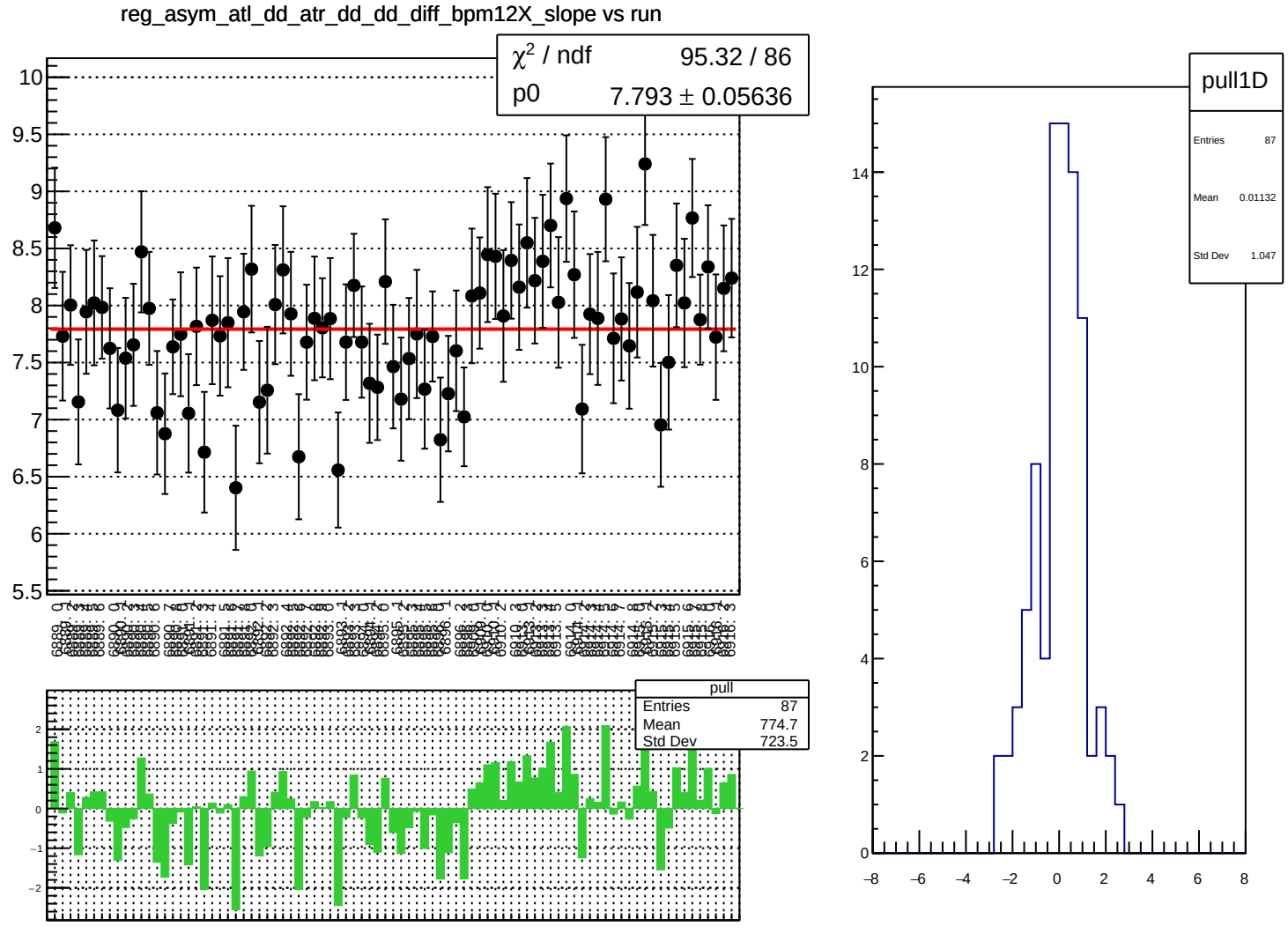

pull1D
Entries 87
Mean 0.003619
Std Dev 0.9269

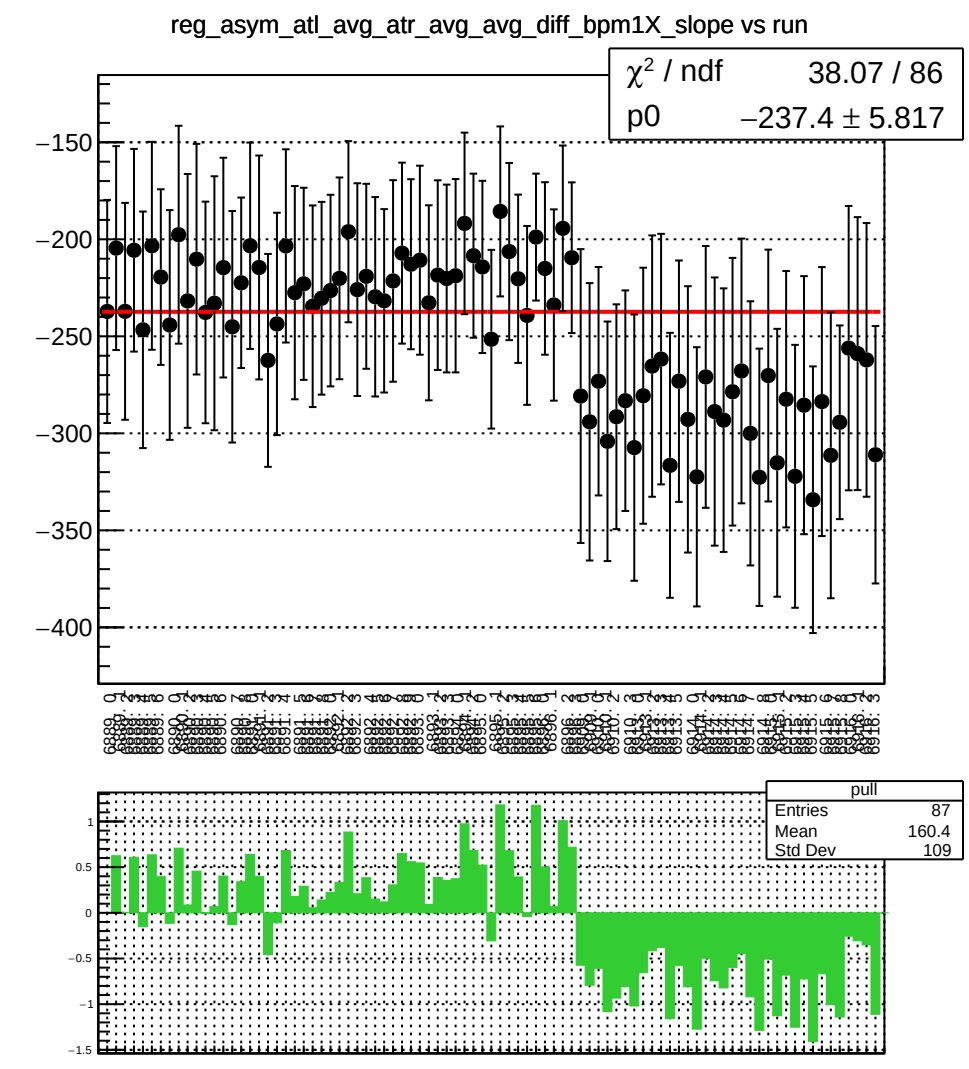

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 61 / 86
p0 49.35 ± 1.376
pull
Entries 87
Mean 169.1
Std Dev 115.3

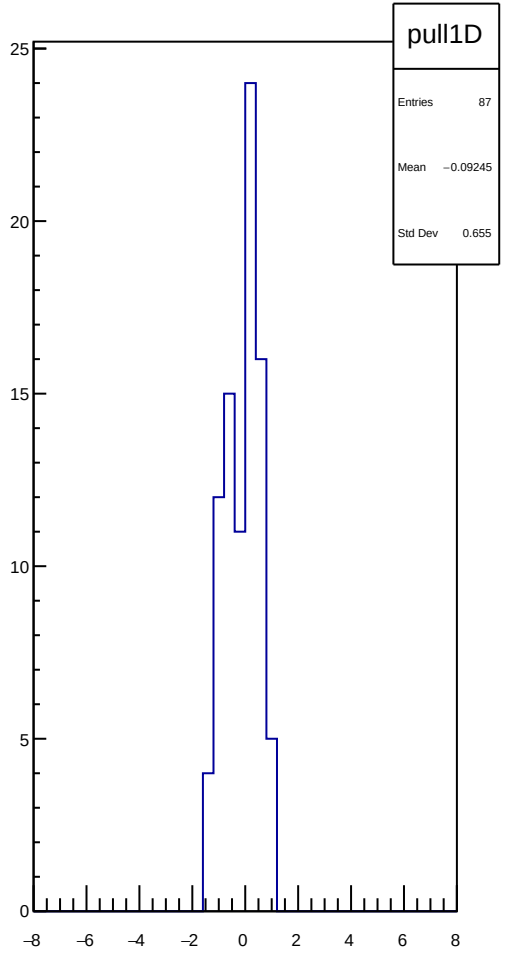

pull1D
Entries 87
Mean −0.03709
Std Dev 0.8365

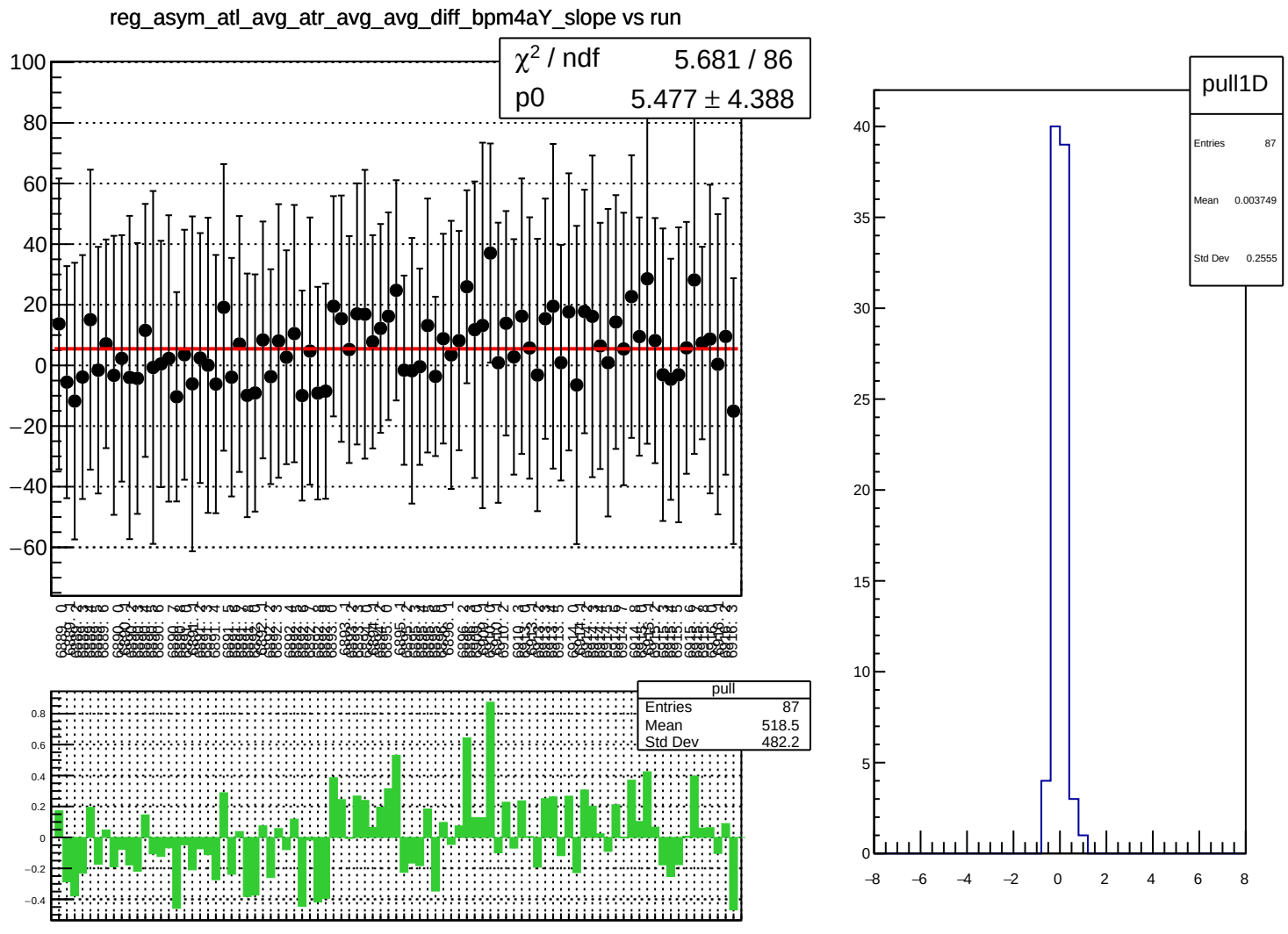

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.44 / 86
p0 −5.453 ± 1.284
pull
Entries 87
Mean −430.1
Std Dev 463.8

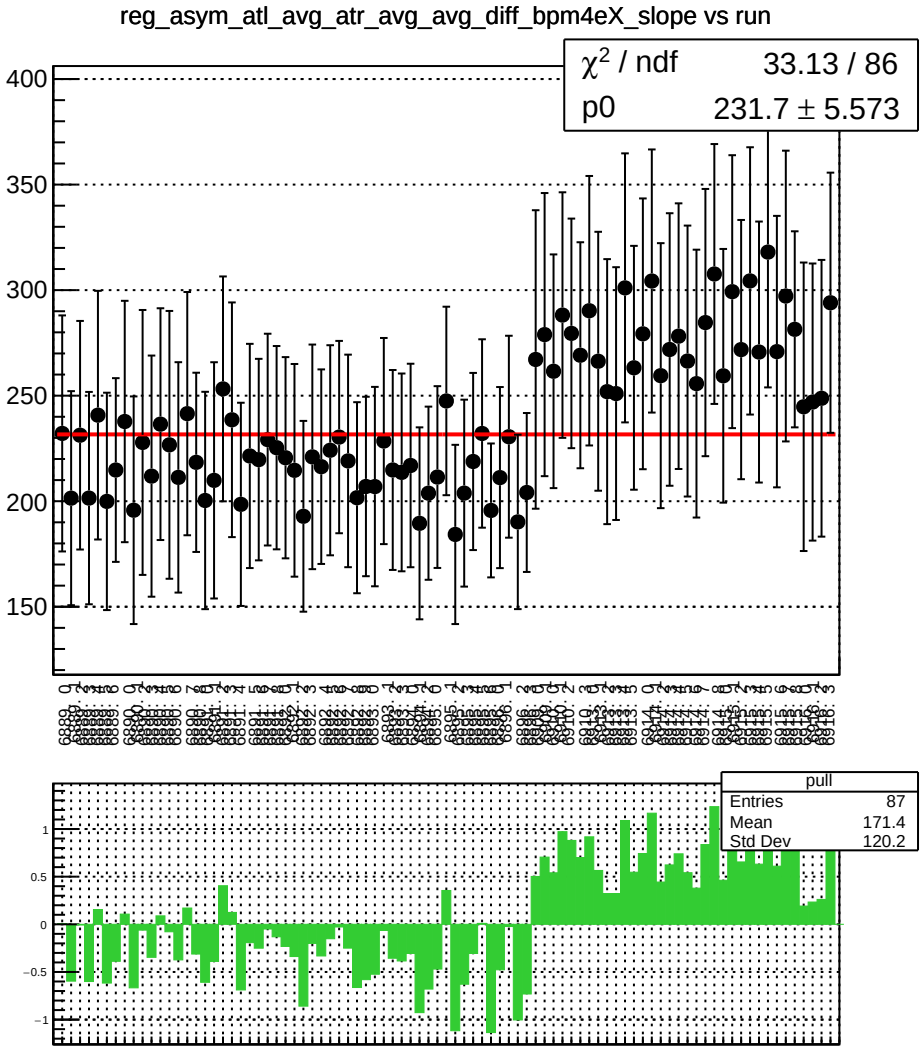

pull1D
Entries 87
Mean −0.003088
Std Dev 0.9434

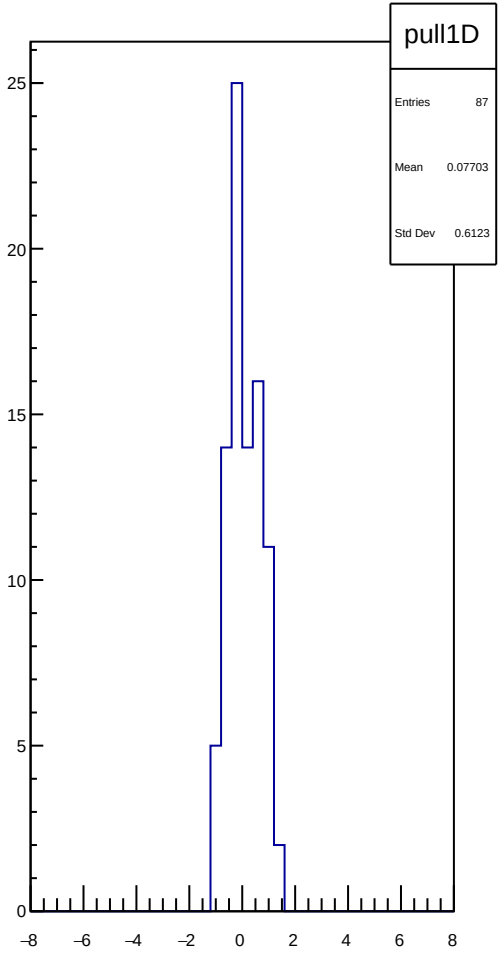

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 95.32 / 86
p0 7.793 ± 0.05636
pull
Entries 87
Mean 774.7
Std Dev 723.5
pull1D
Entries 87
Mean 0.01132
Std Dev 1.047

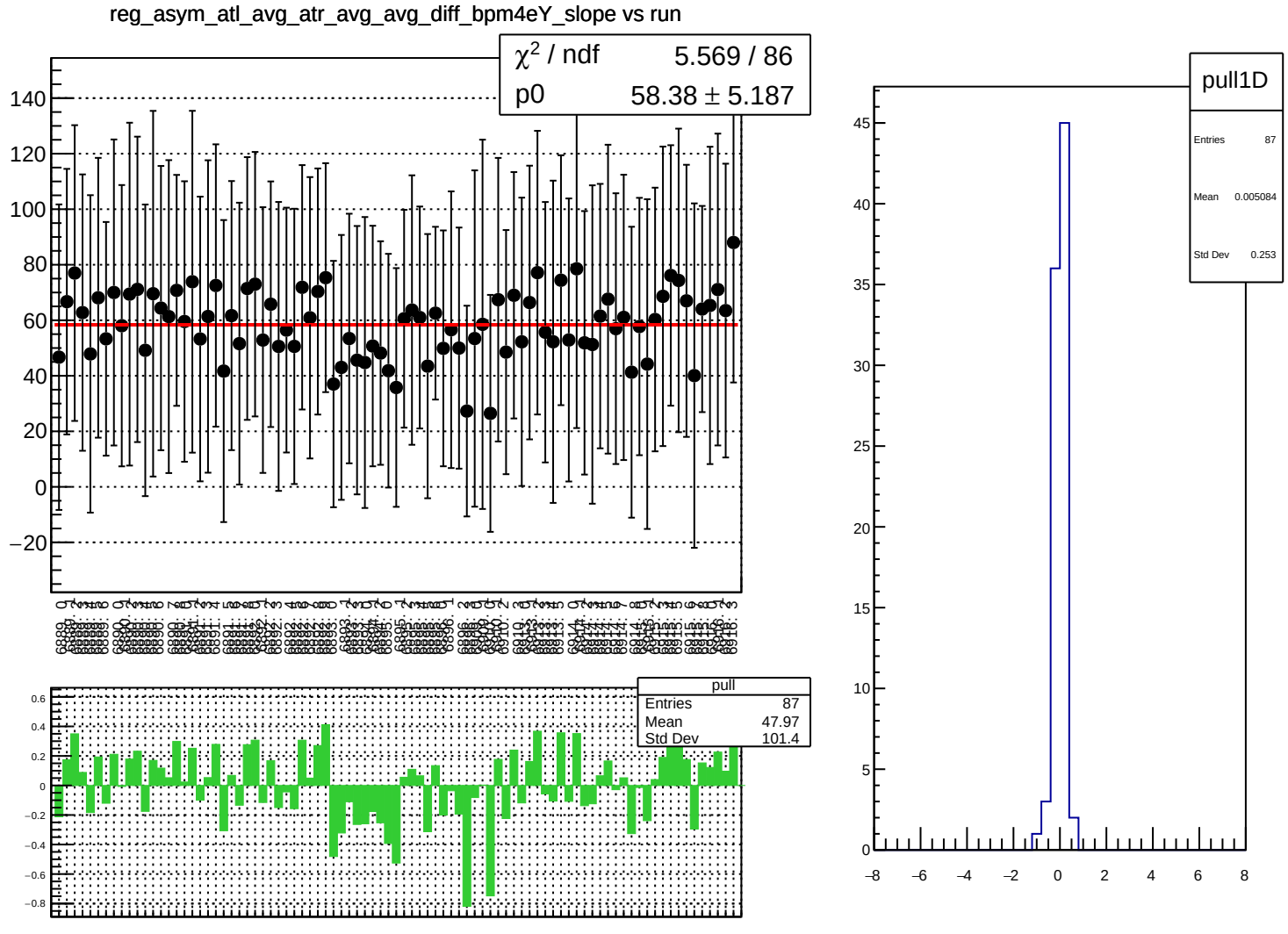

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 38.07 / 86
p0 −237.4 ± 5.817
−150
−200
−250
−300
−350
−400
pull
Entries 87
Mean 160.4
Std Dev 109
1
0.5
0
−0.5
−1
−1.5

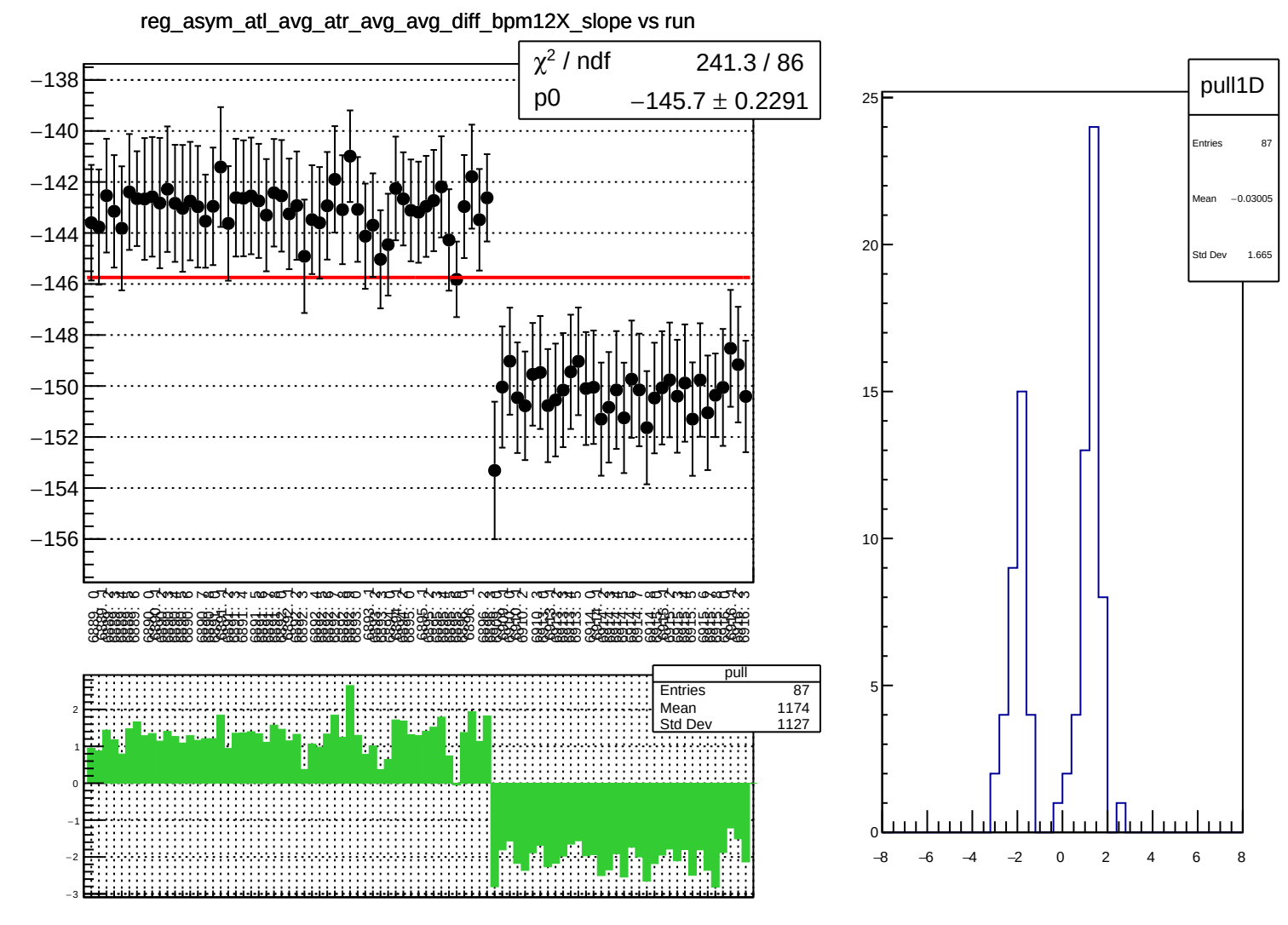

pull1D
Entries 87
Mean −0.09245
Std Dev 0.655
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

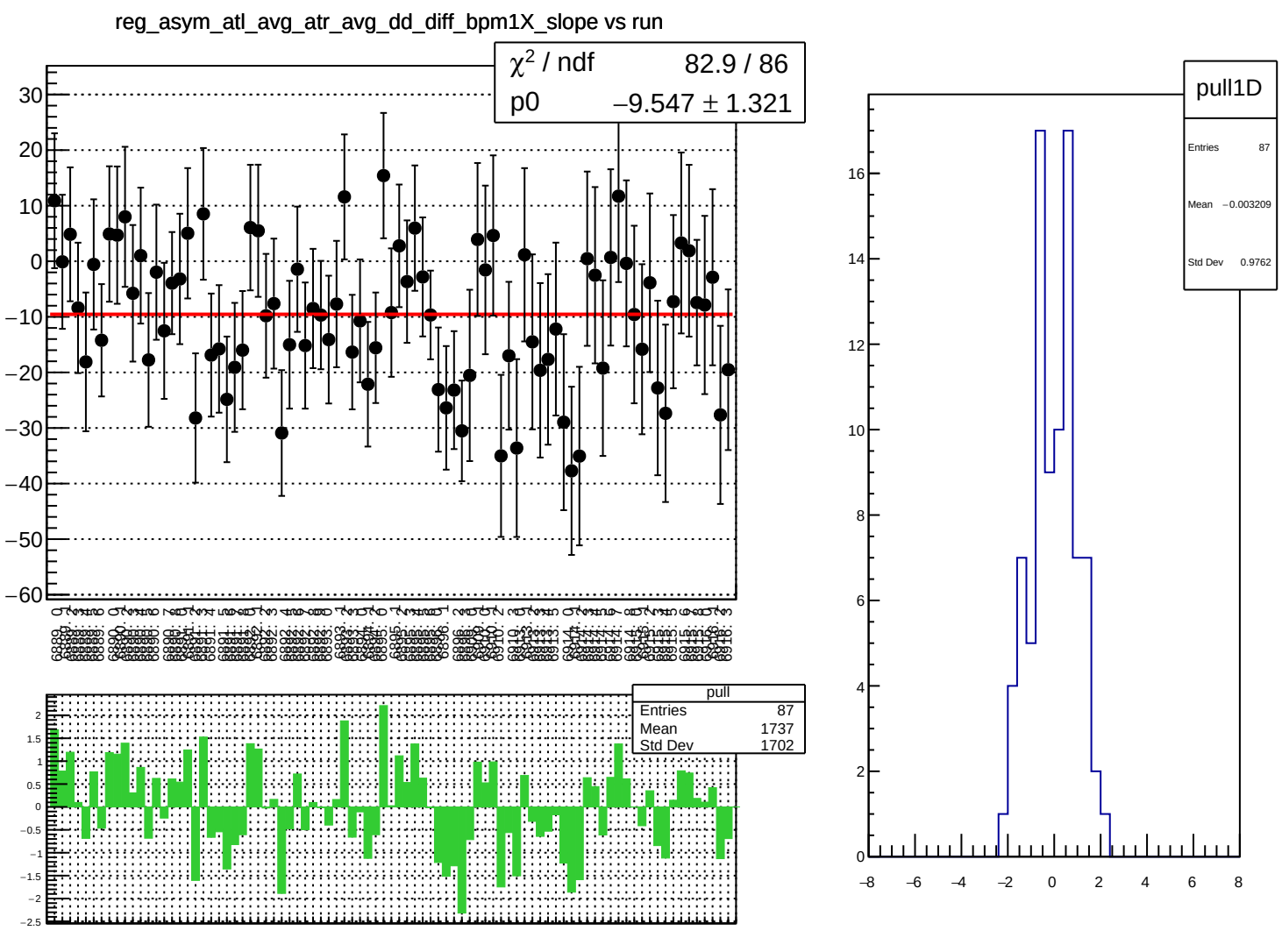

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.681 / 86
p0 5.477 ± 4.388
pull
Entries 87
Mean 518.5
Std Dev 482.2
pull1D
Entries 87
Mean 0.003749
Std Dev 0.2555

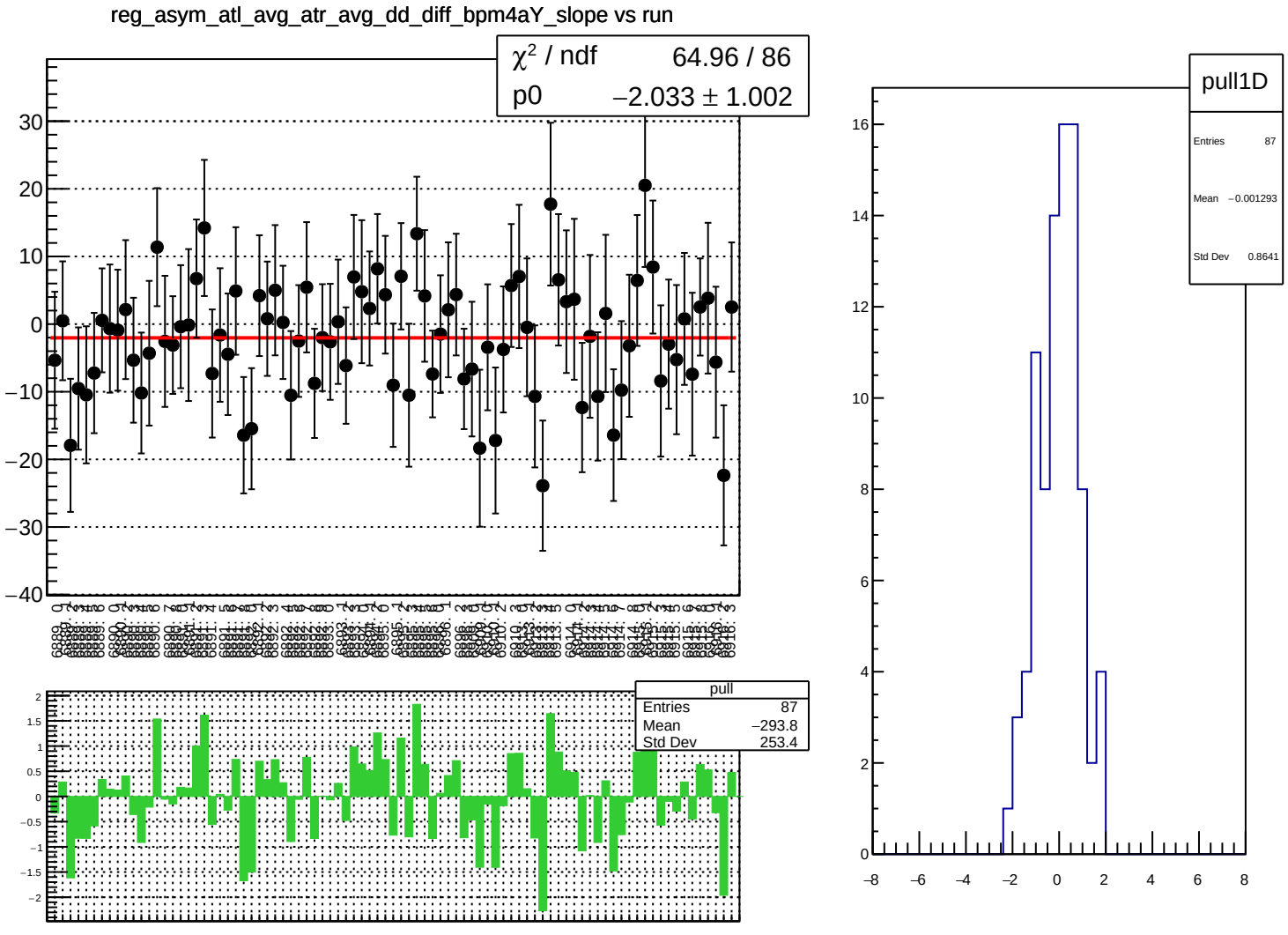

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.13 / 86
p0 231.7 ± 5.573
400
350
300
250
200
150
pull
Entries 87
Mean 171.4
Std Dev 120.2
1
0.5
0
−0.5
−1

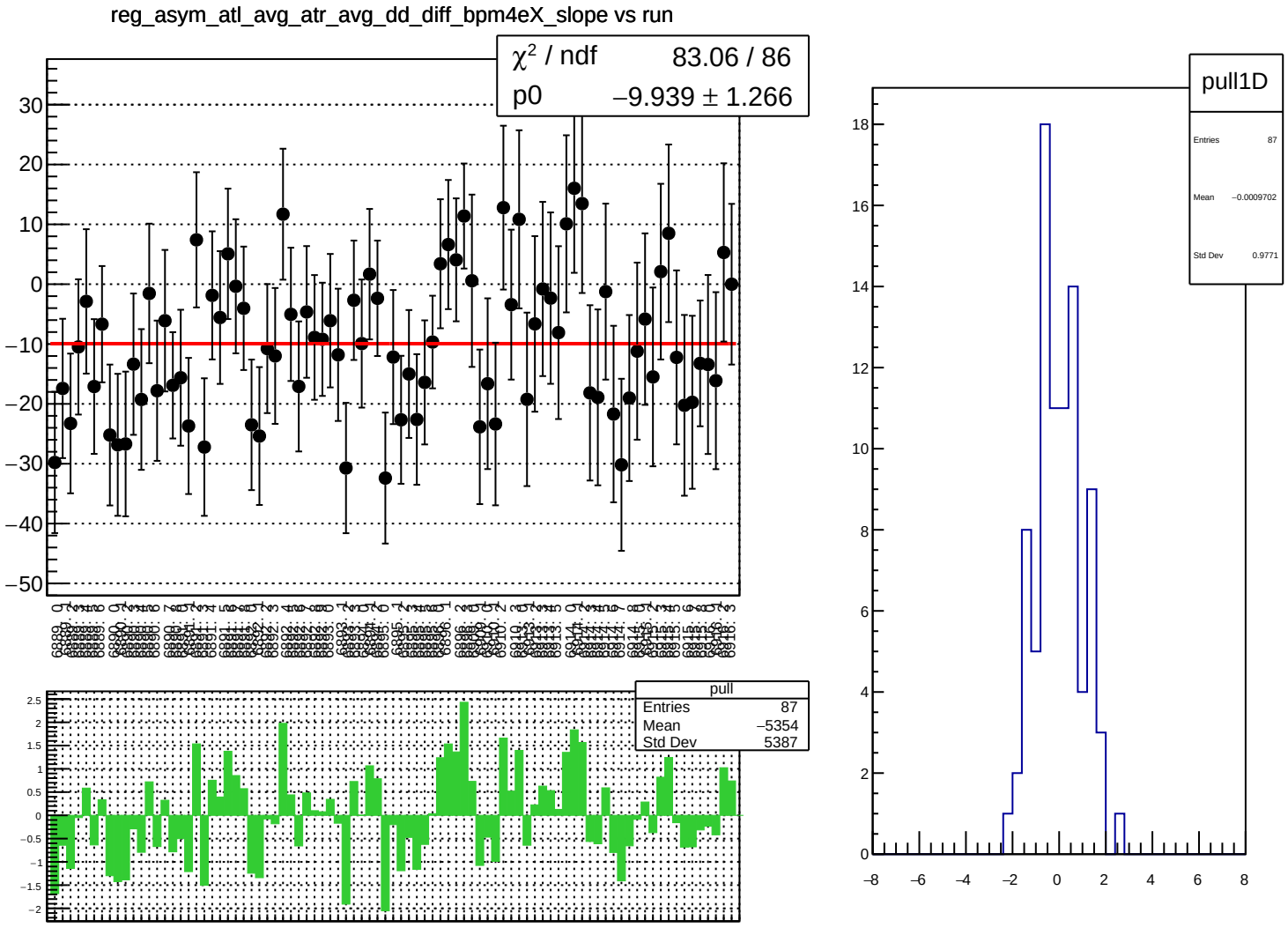

pull1D
Entries 87
Mean 0.07703
Std Dev 0.6123
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

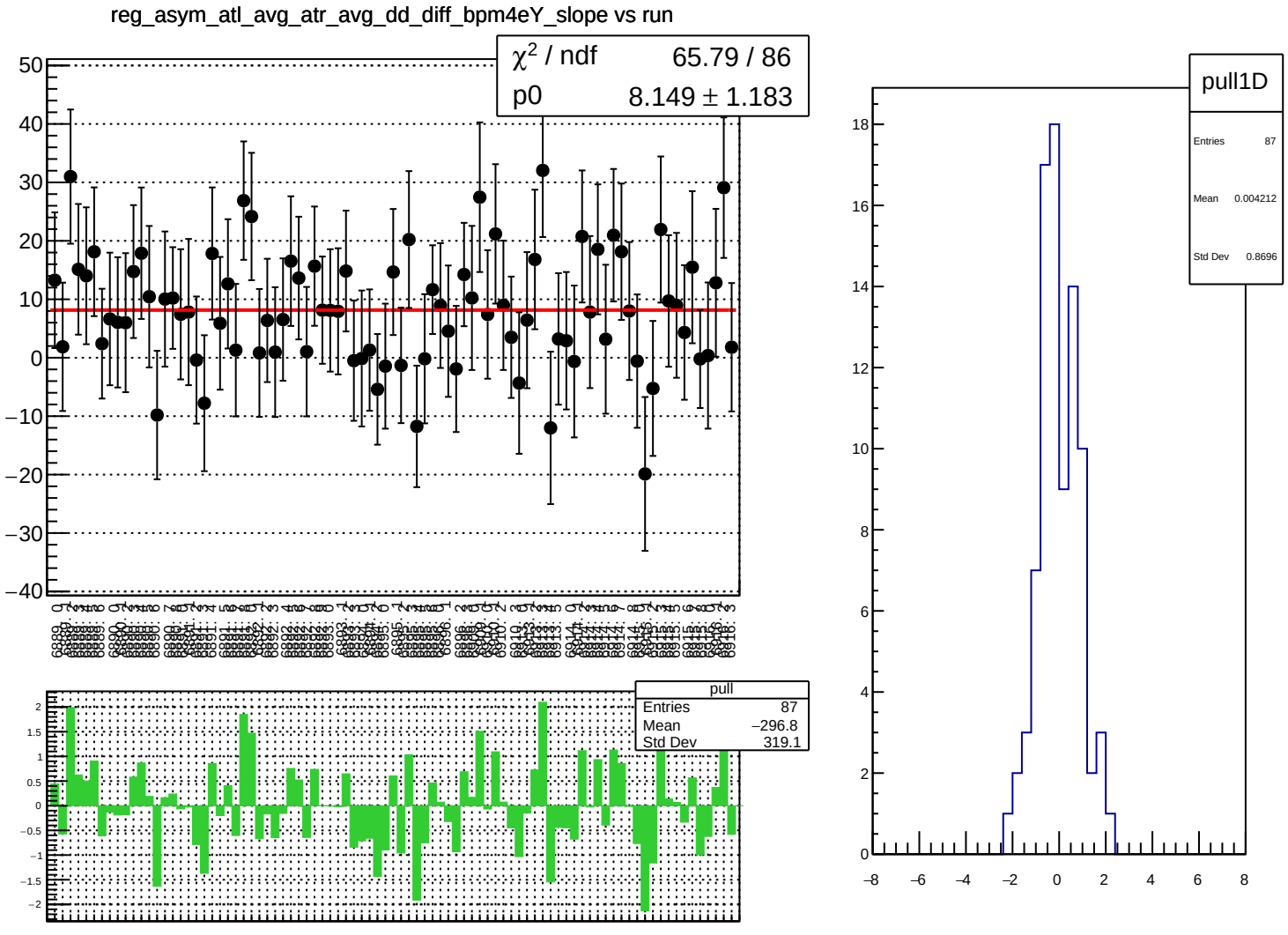

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.569 / 86
p0 58.38 ± 5.187
pull
Entries 87
Mean 47.97
Std Dev 101.4
pull1D
Entries 87
Mean 0.005084
Std Dev 0.253

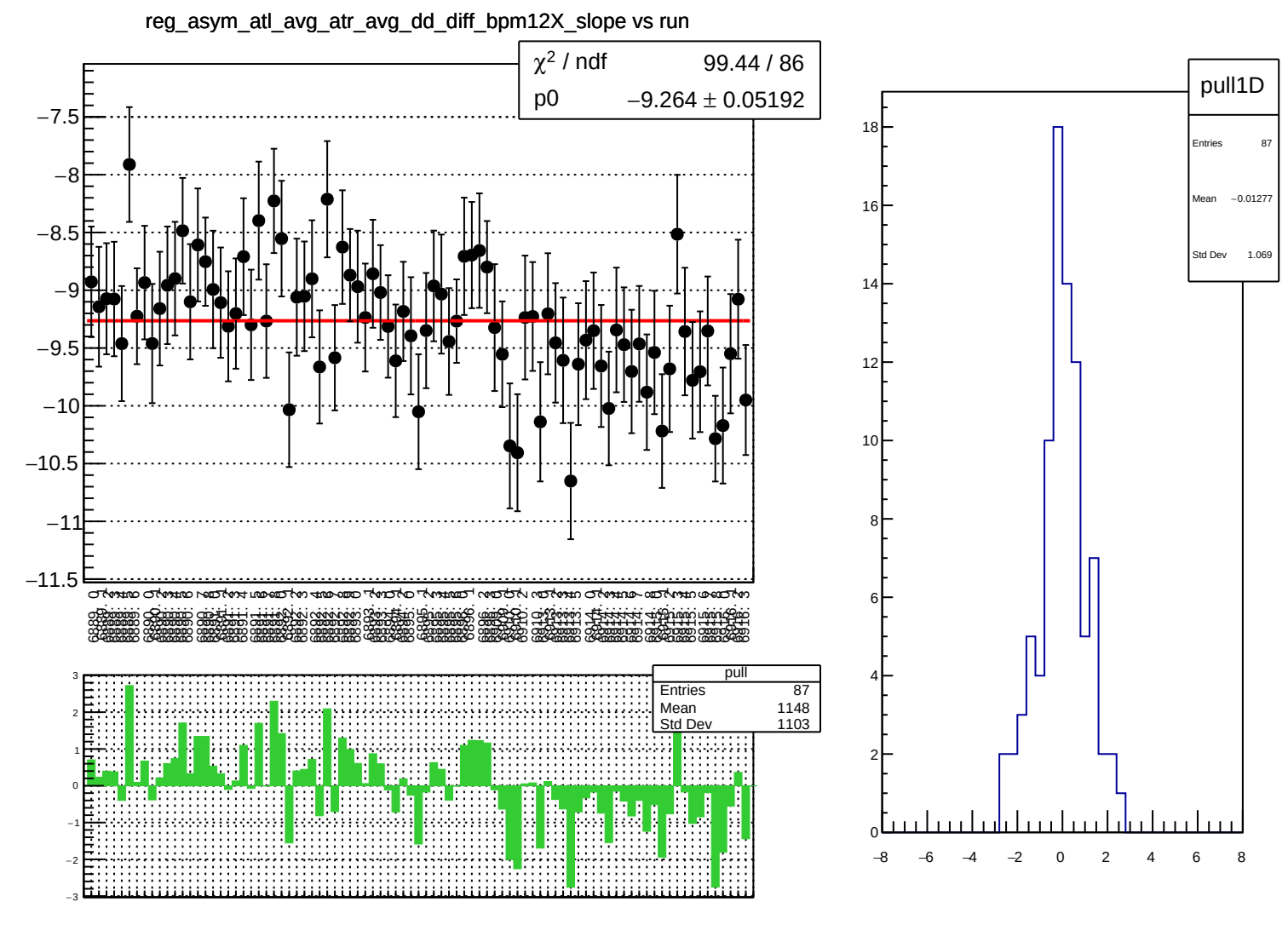

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 241.3 / 86
p0 −145.7 ± 0.2291
pull
Entries 87
Mean 1174
Std Dev 1127
pull1D
Entries 87
Mean −0.03005
Std Dev 1.665

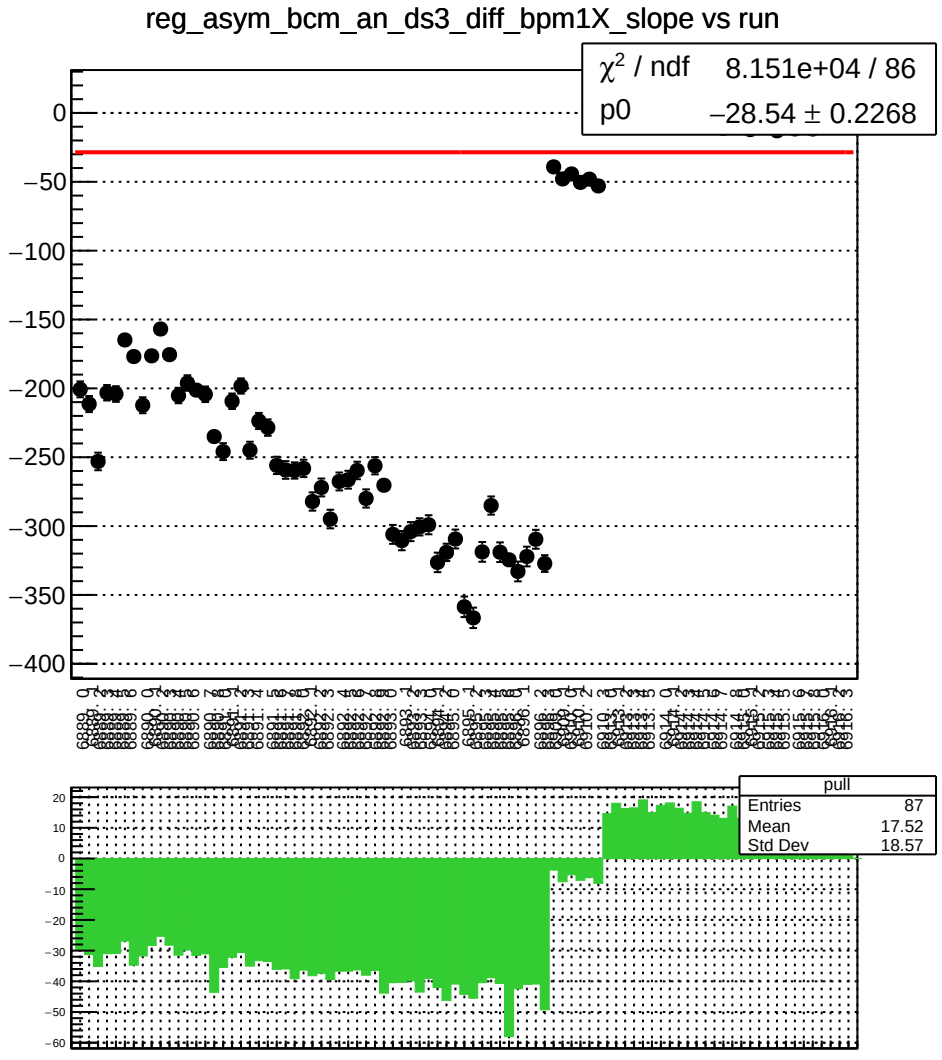

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 82.9 / 86
p0 −9.547 ± 1.321
pull
Entries 87
Mean 1737
Std Dev 1702
pull1D
Entries 87
Mean −0.003209
Std Dev 0.9762

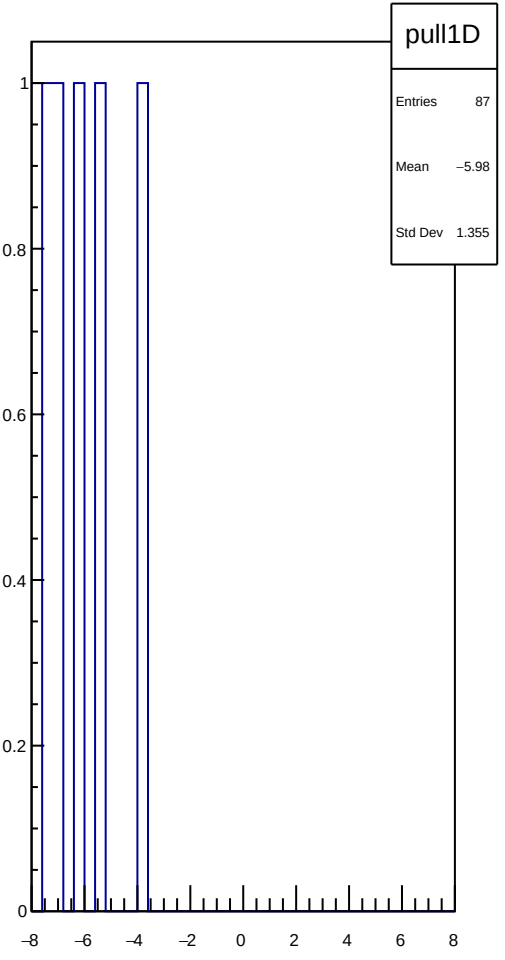

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.96 / 86
p0 −2.033 ± 1.002
pull
Entries 87
Mean −293.8
Std Dev 253.4
pull1D
Entries 87
Mean −0.001293
Std Dev 0.8641

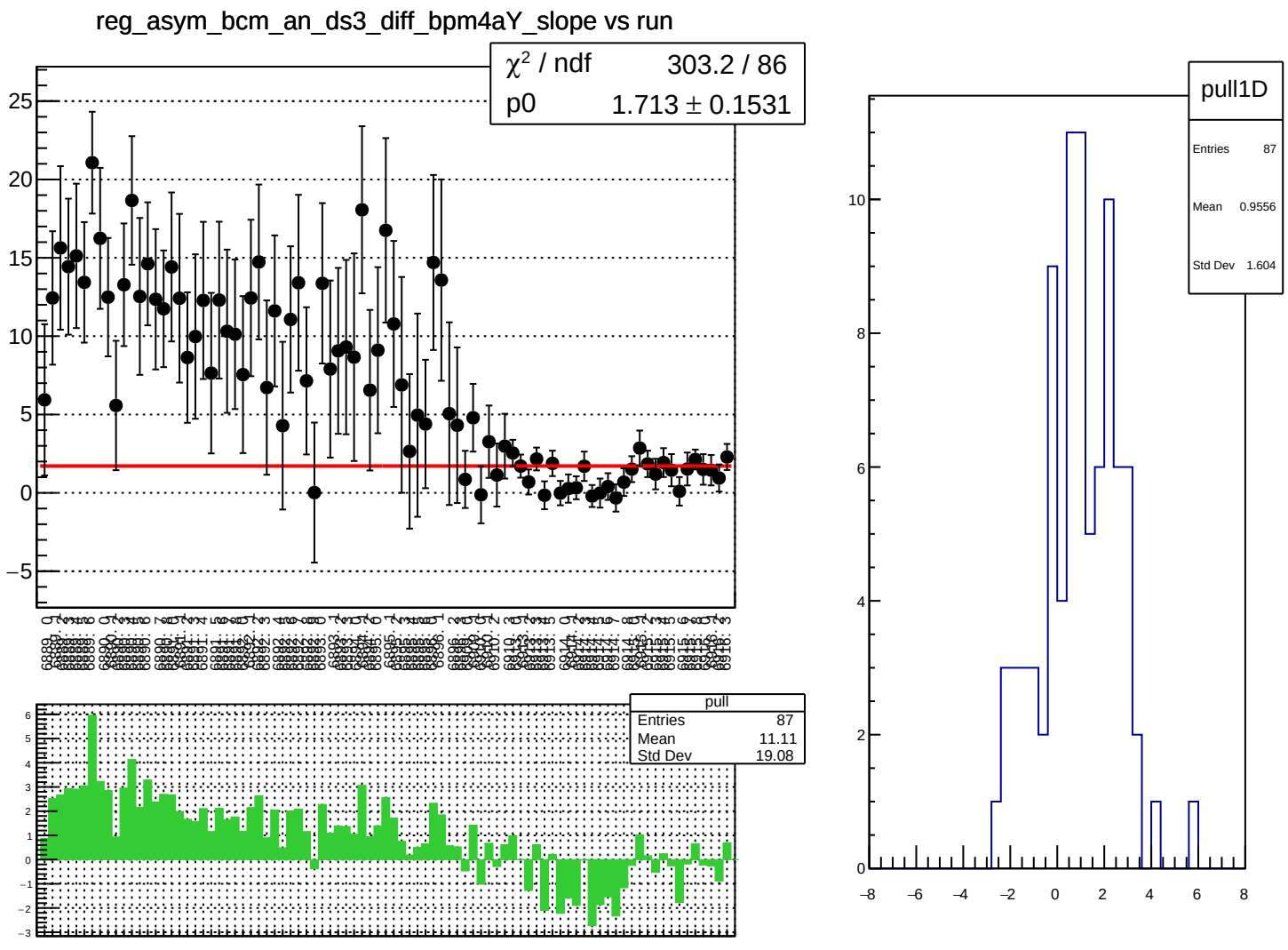

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.06 / 86
p0 −9.939 ± 1.266
pull
Entries 87
Mean −5354
Std Dev 5387
pull1D
Entries 87
Mean −0.0009702
Std Dev 0.9771

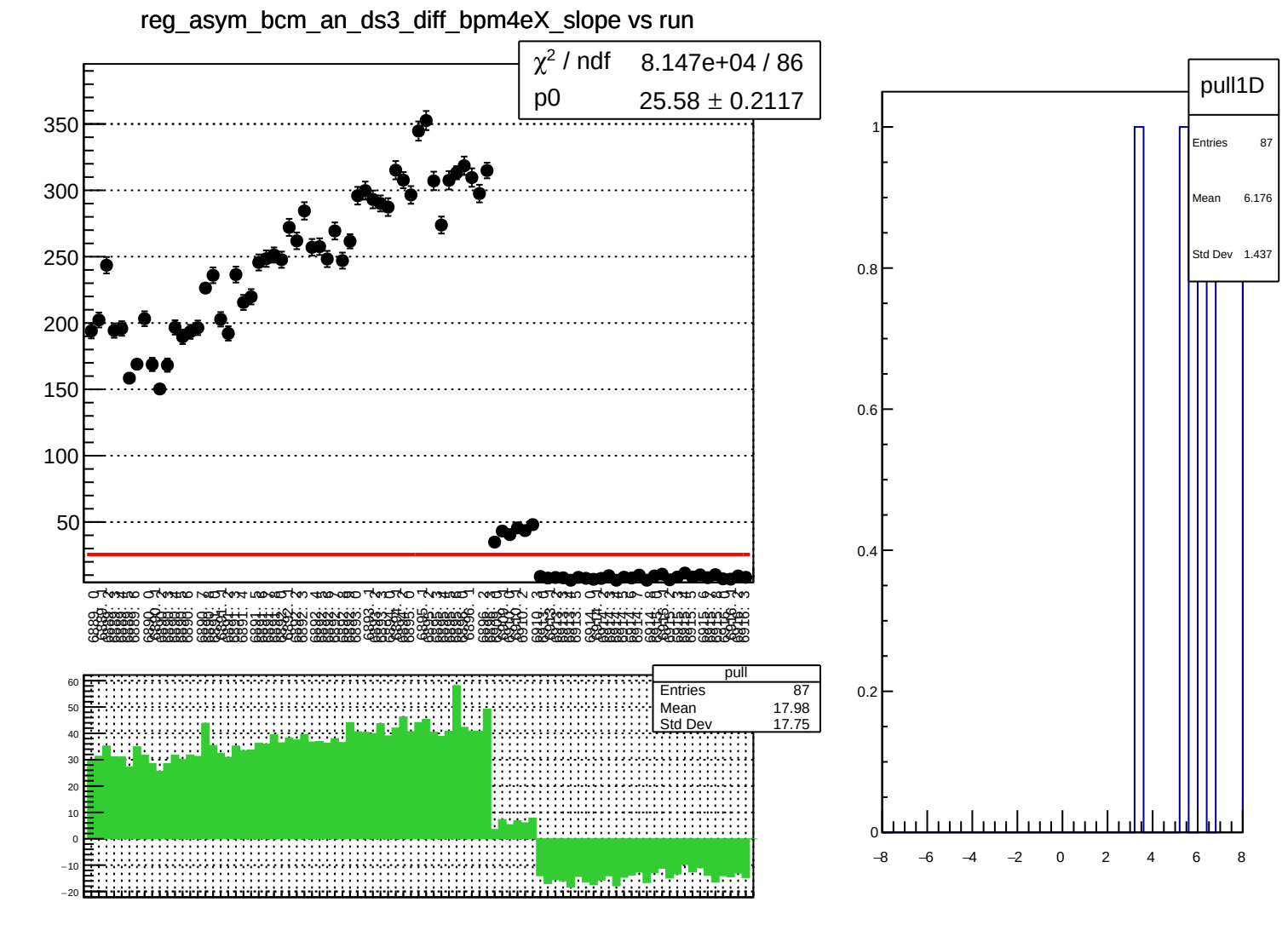

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.79 / 86
p0 8.149 ± 1.183
pull
Entries 87
Mean −296.8
Std Dev 319.1
pull1D
Entries 87
Mean 0.004212
Std Dev 0.8696

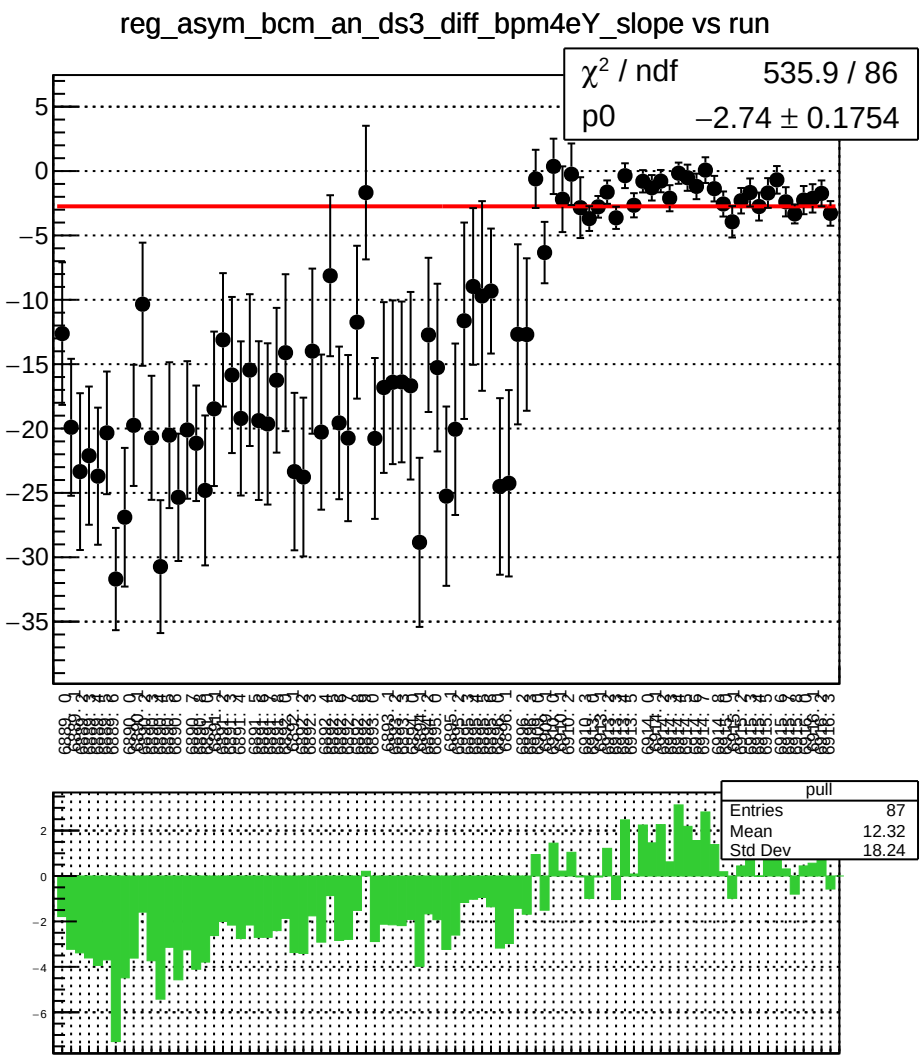

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 99.44 / 86
p0 −9.264 ± 0.05192
pull
Entries 87
Mean 1148
Std Dev 1103
pull1D
Entries 87
Mean −0.01277
Std Dev 1.069

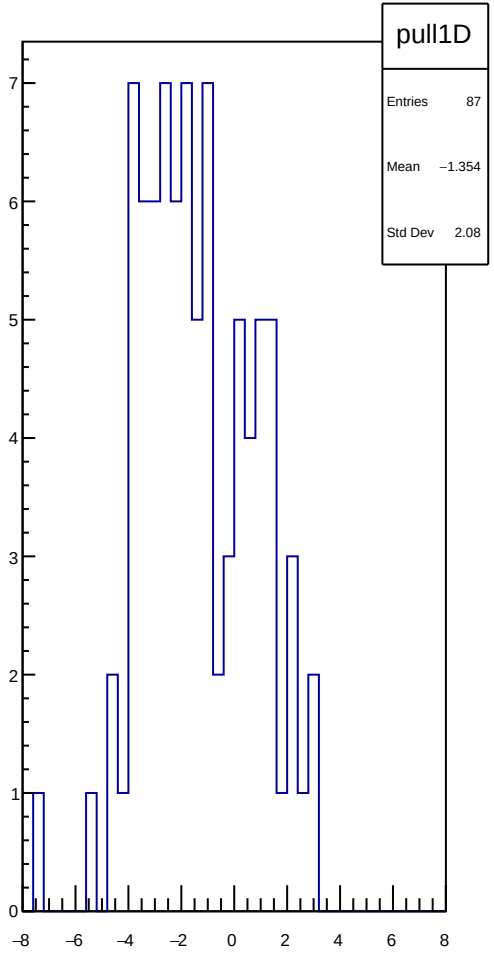

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 8.151e+04 / 86
p0 −28.54 ± 0.2268
pull
Entries 87
Mean 17.52
Std Dev 18.57

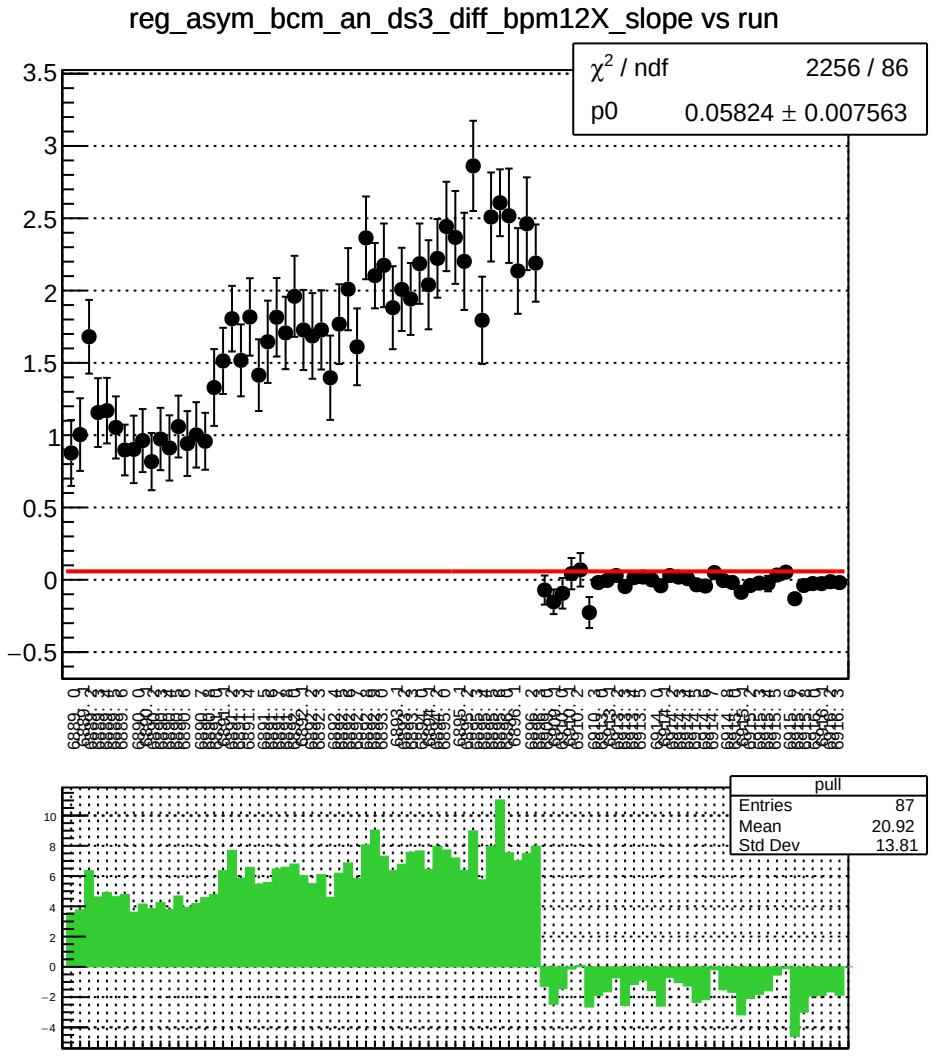

pull1D
Entries 87
Mean −5.98
Std Dev 1.355

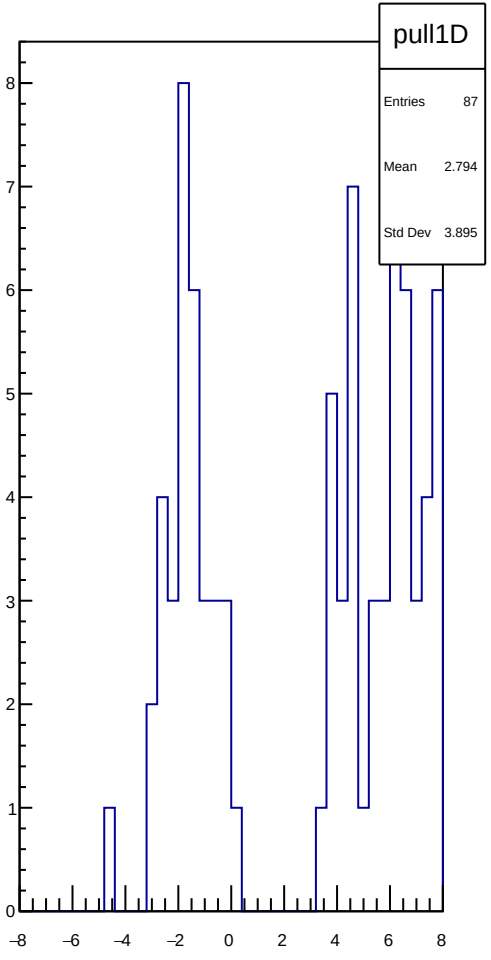

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 303.2 / 86
p0 1.713 ± 0.1531
pull
Entries 87
Mean 11.11
Std Dev 19.08
pull1D
Entries 87
Mean 0.9556
Std Dev 1.604

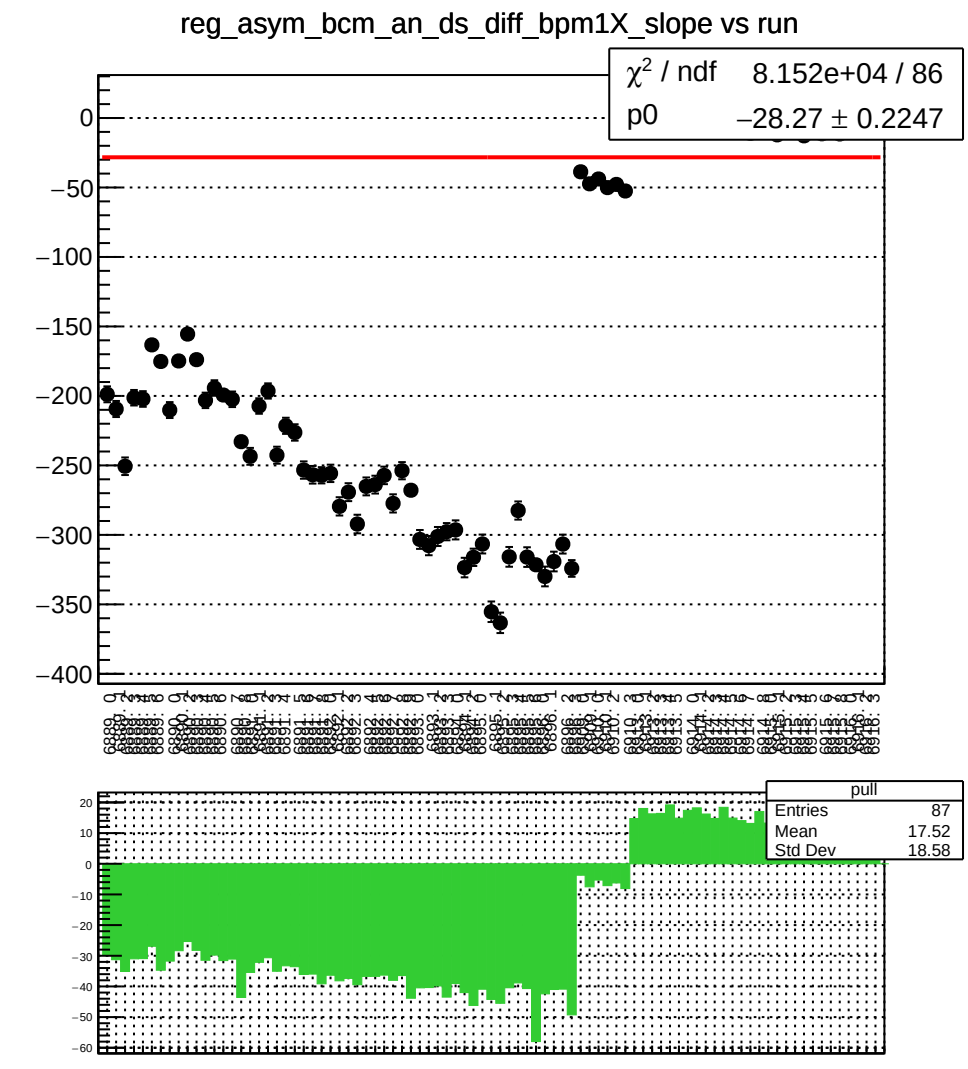

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 8.147e+04 / 86
p0 25.58 ± 0.2117
350
300
250
200
150
100
50
pull
Entries 87
Mean 17.98
Std Dev 17.75
60
50
40
30
20
10
0
−10
−20
pull1D
Entries 87
Mean 6.176
Std Dev 1.437
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

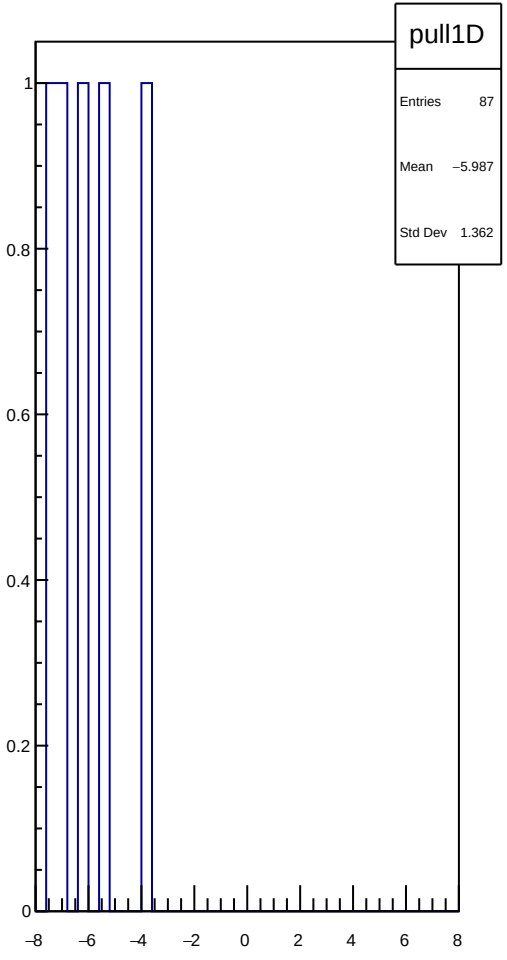

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 535.9 / 86
p0 −2.74 ± 0.1754
pull
Entries 87
Mean 12.32
Std Dev 18.24

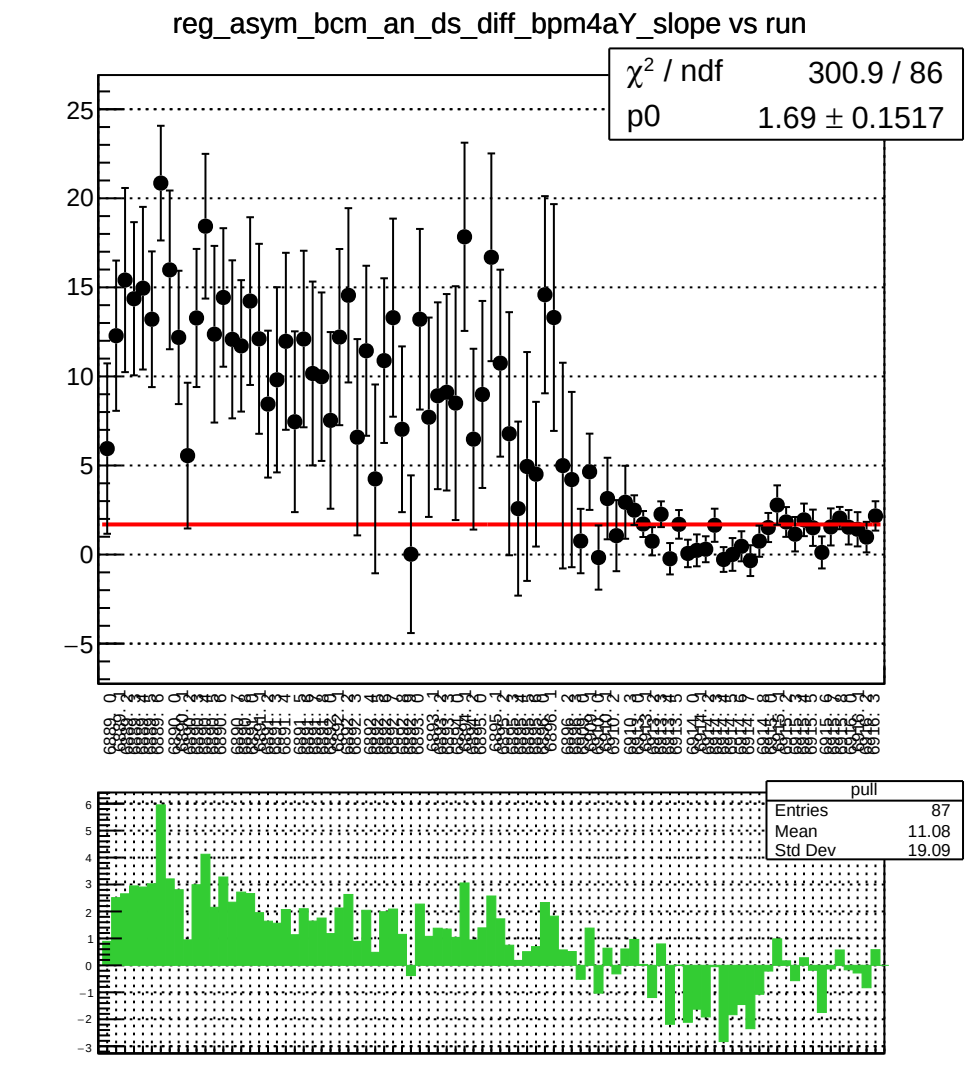

pull1D
Entries 87
Mean −1.354
Std Dev 2.08

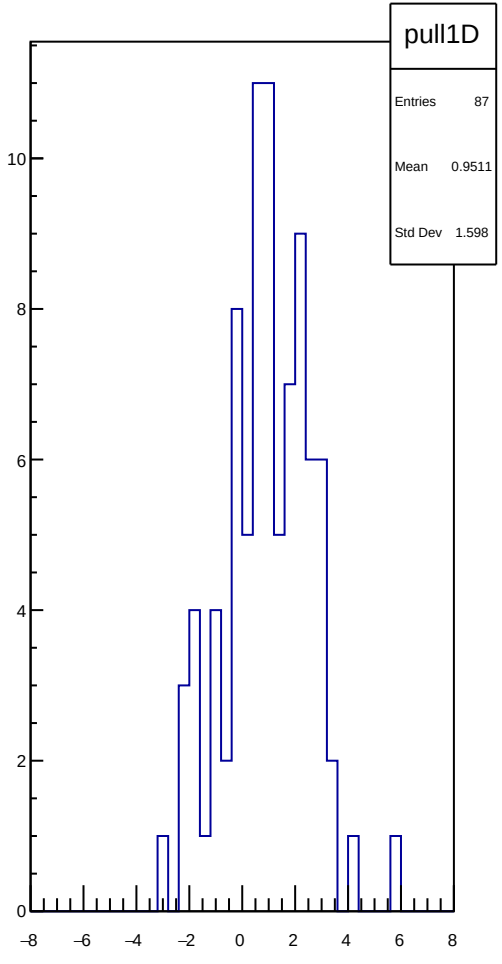

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 2256 / 86
p0 0.05824 ± 0.007563
pull
Entries 87
Mean 20.92
Std Dev 13.81

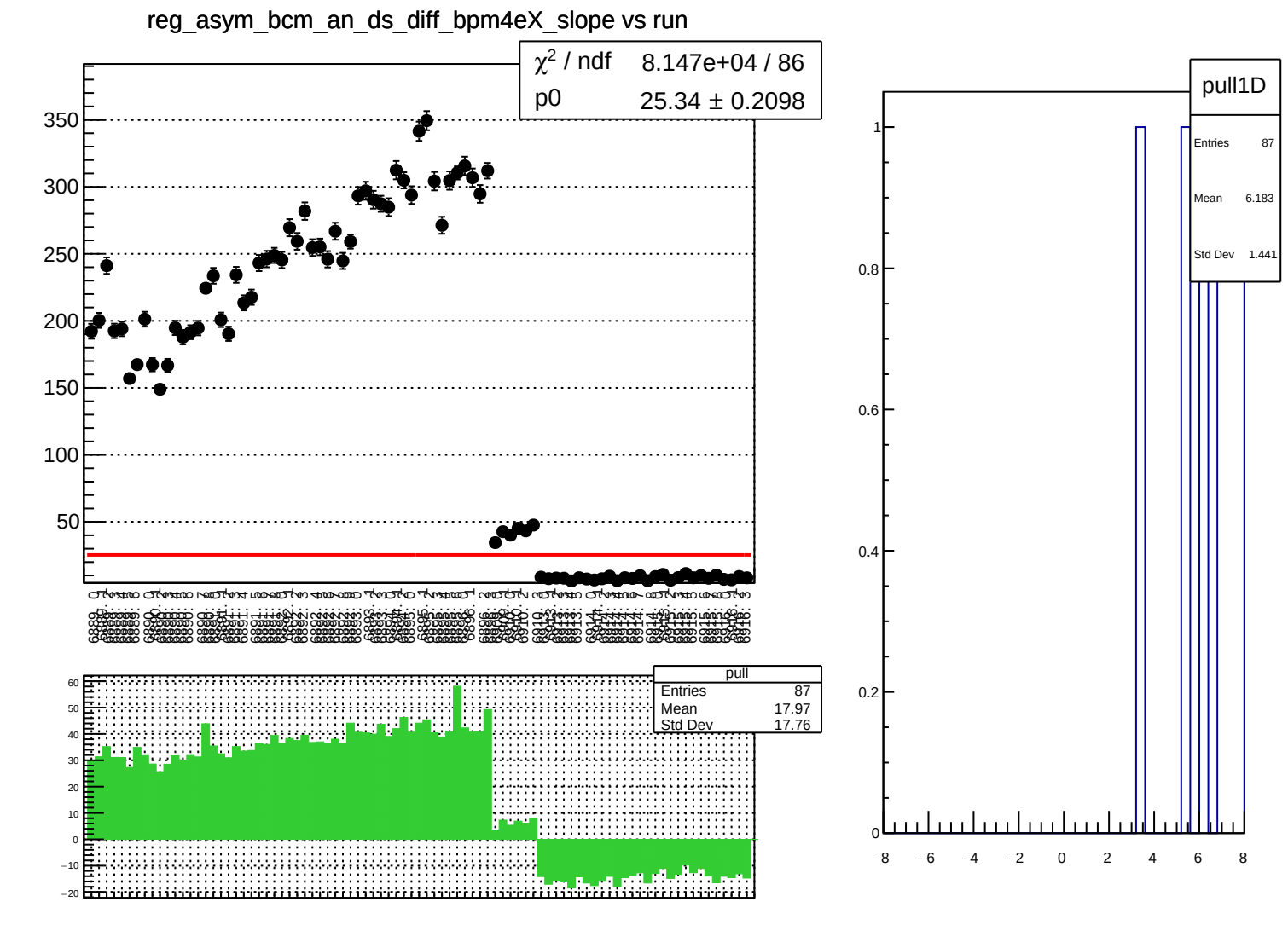

pull1D
Entries 87
Mean 2.794
Std Dev 3.895

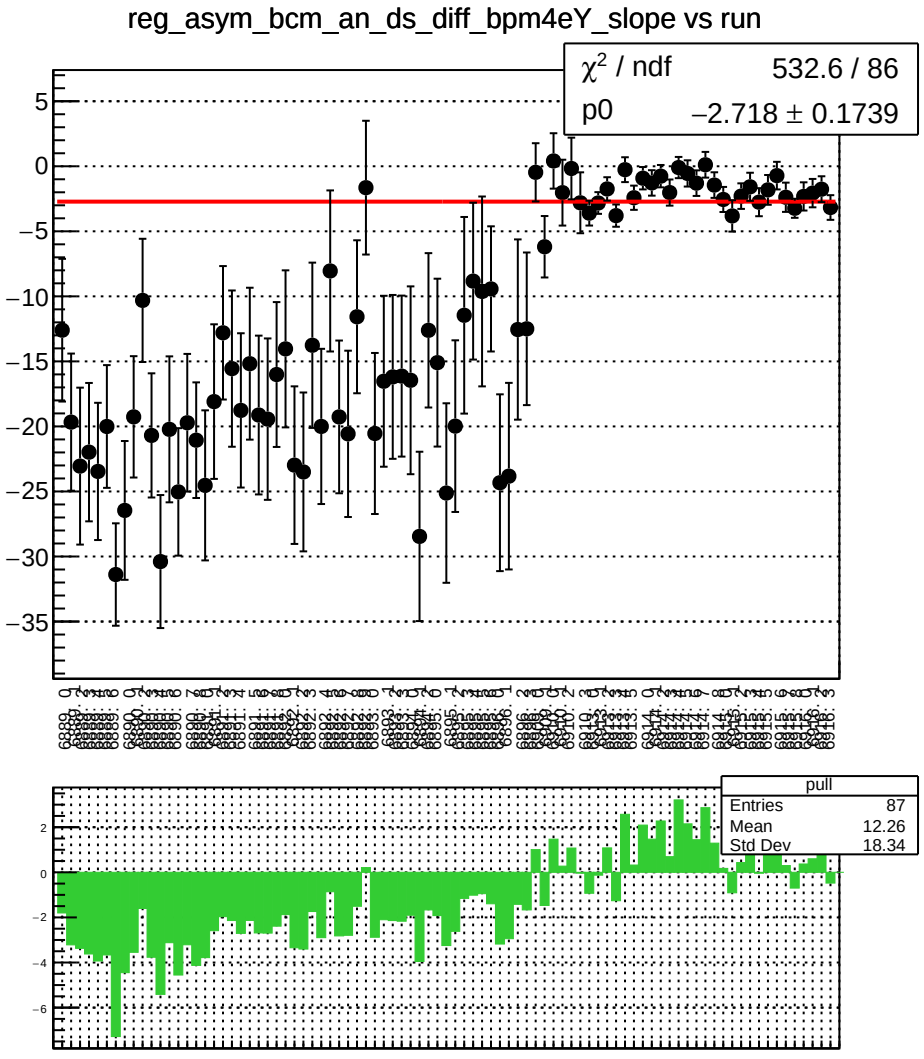

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 8.152e+04 / 86
p0 −28.27 ± 0.2247
pull
Entries 87
Mean 17.52
Std Dev 18.58

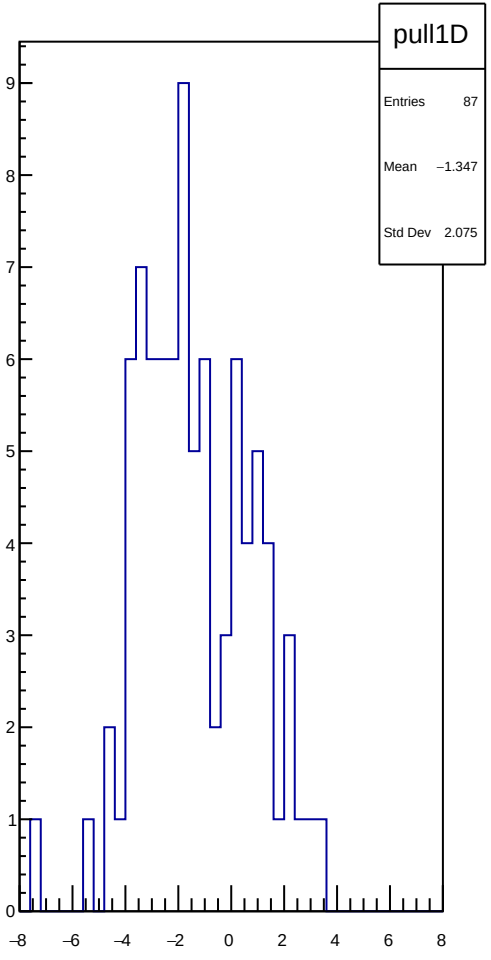

pull1D
Entries 87
Mean −5.987
Std Dev 1.362

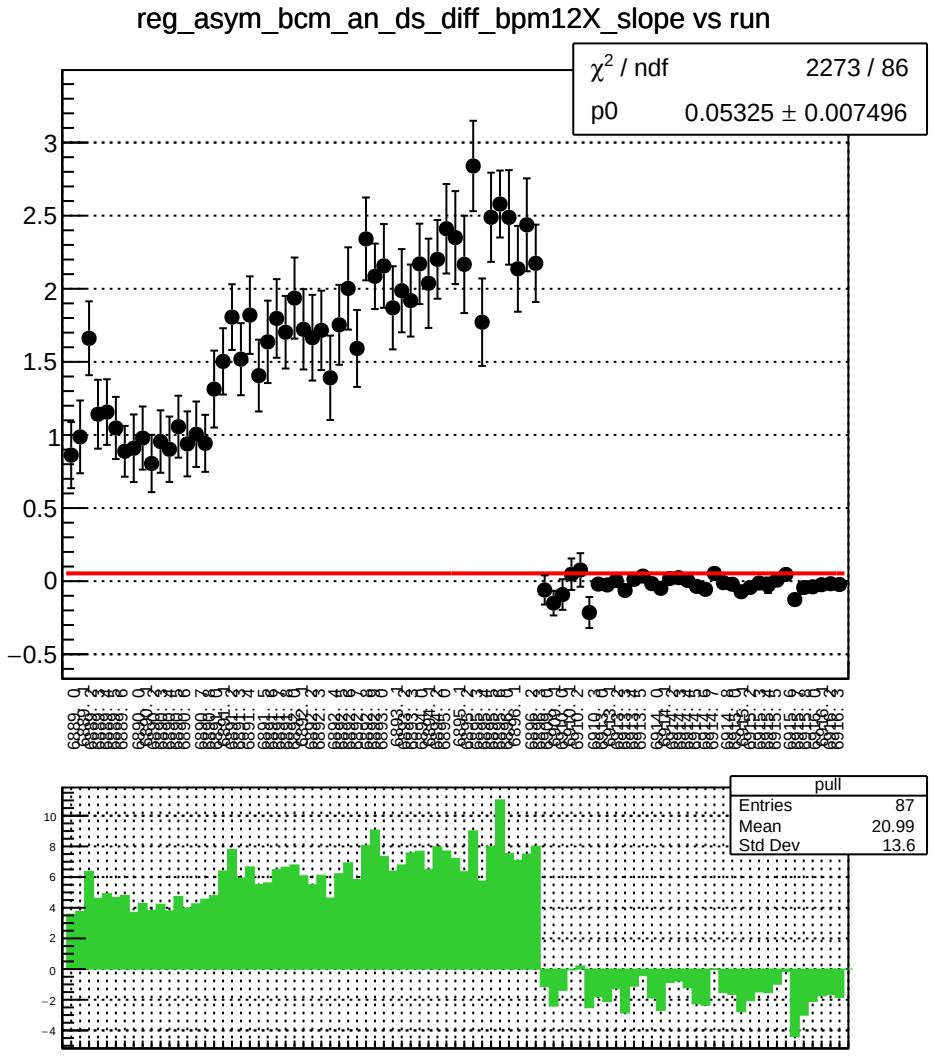

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 300.9 / 86
p0 1.69 ± 0.1517
pull
Entries 87
Mean 11.08
Std Dev 19.09

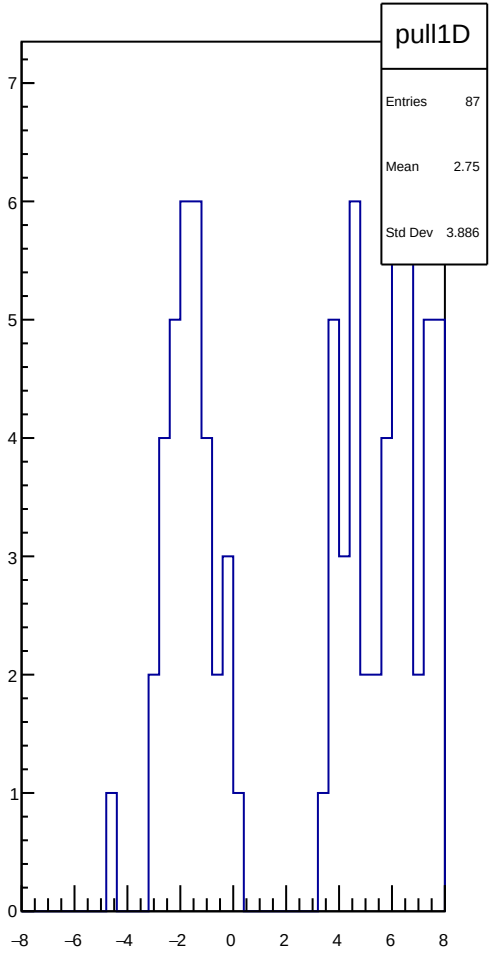

pull1D
Entries 87
Mean 0.9511
Std Dev 1.598

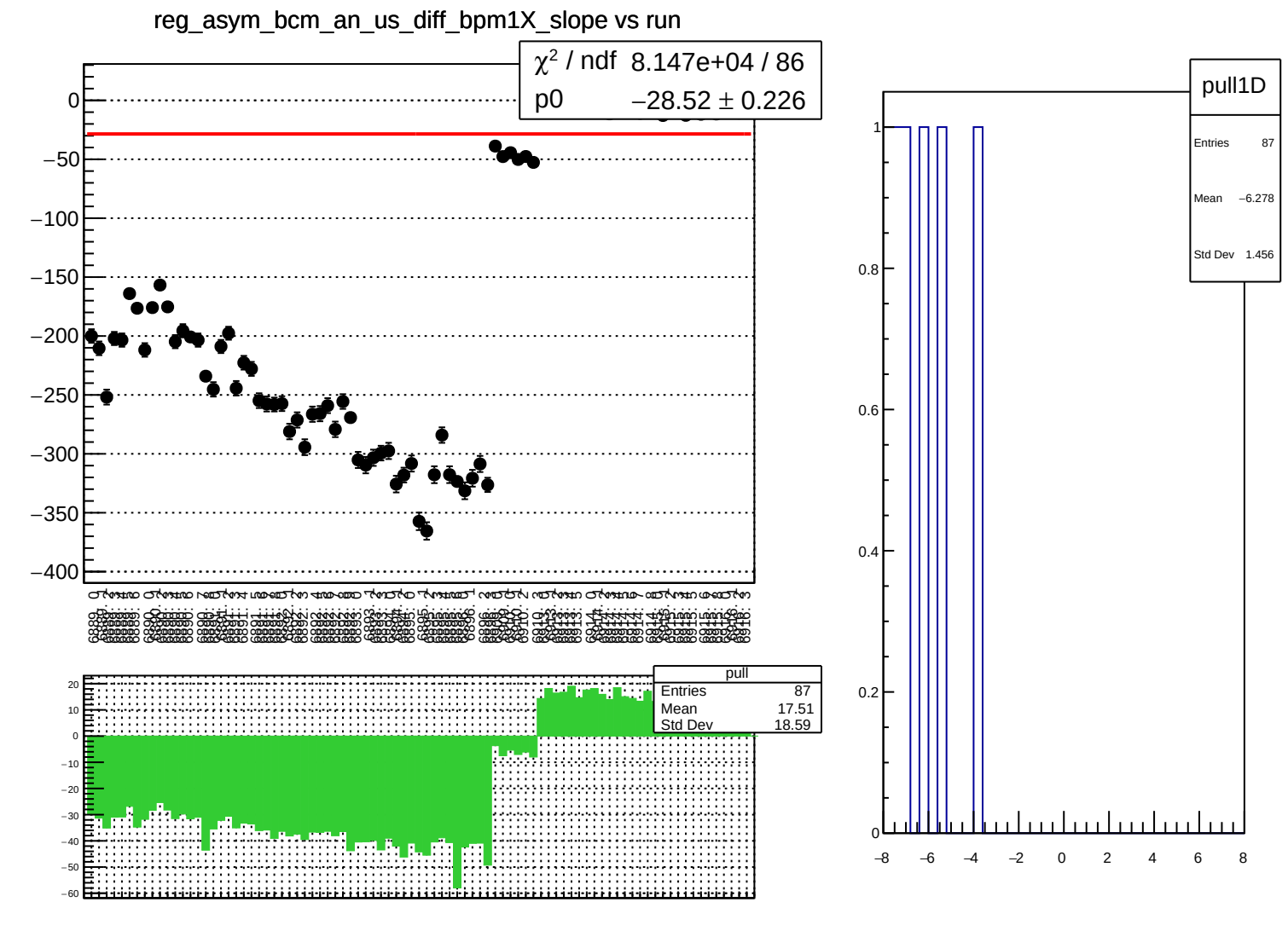

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 8.147e+04 / 86
p0 25.34 ± 0.2098
350
300
250
200
150
100
50
pull
Entries 87
Mean 17.97
Std Dev 17.76
60
50
40
30
20
10
0
−10
−20
pull1D
Entries 87
Mean 6.183
Std Dev 1.441
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

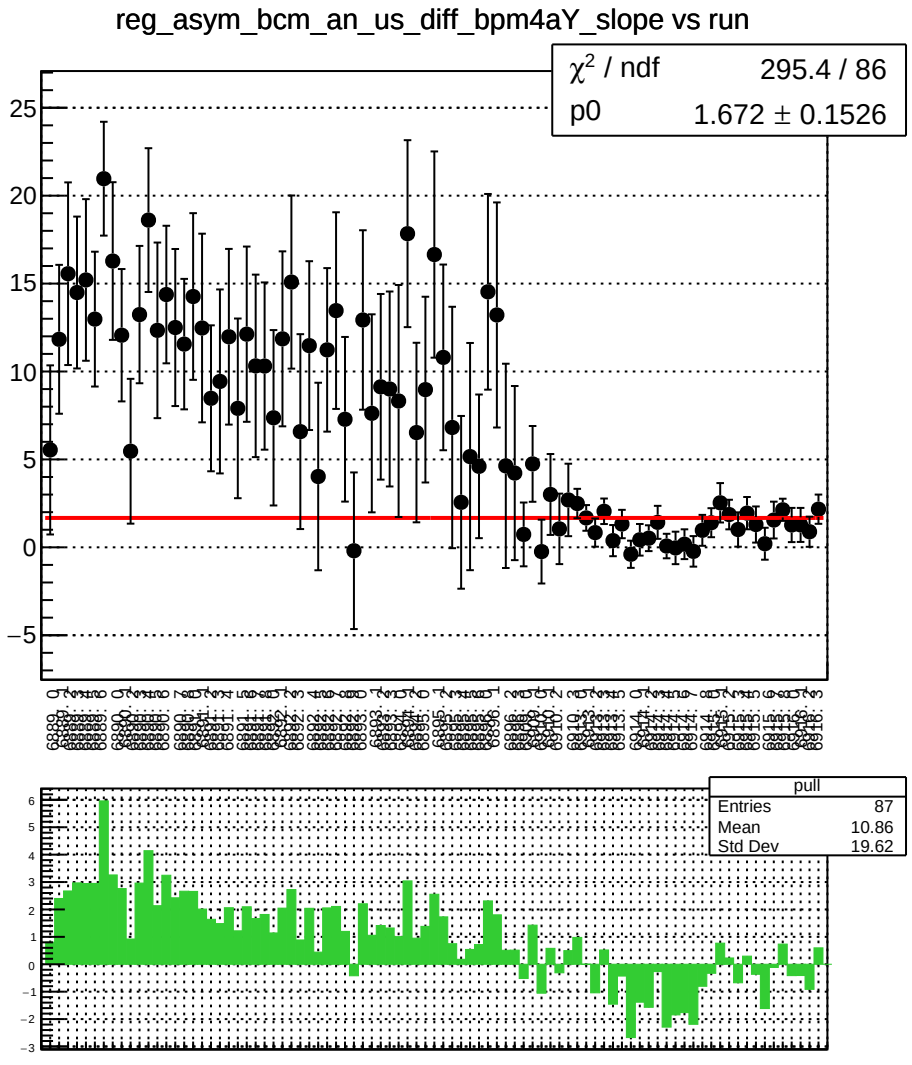

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 532.6 / 86
p0 −2.718 ± 0.1739
pull
Entries 87
Mean 12.26
Std Dev 18.34

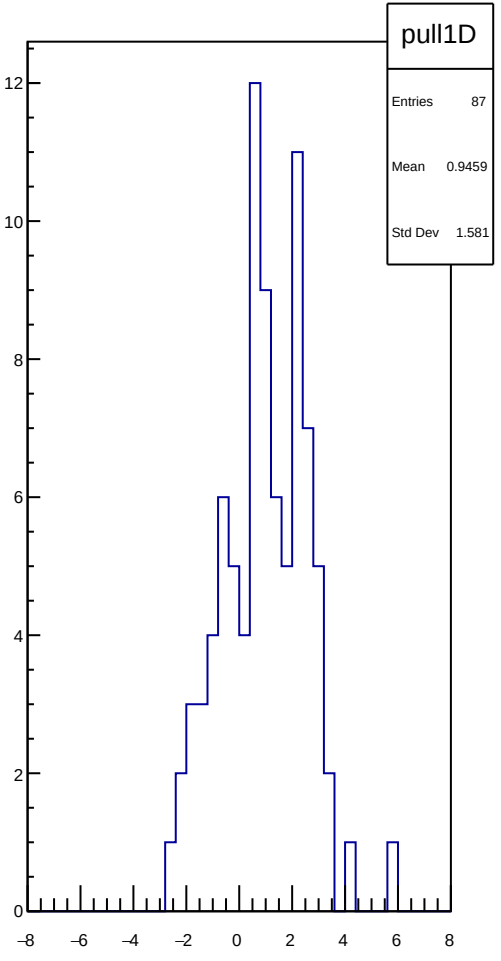

pull1D
Entries 87
Mean −1.347
Std Dev 2.075

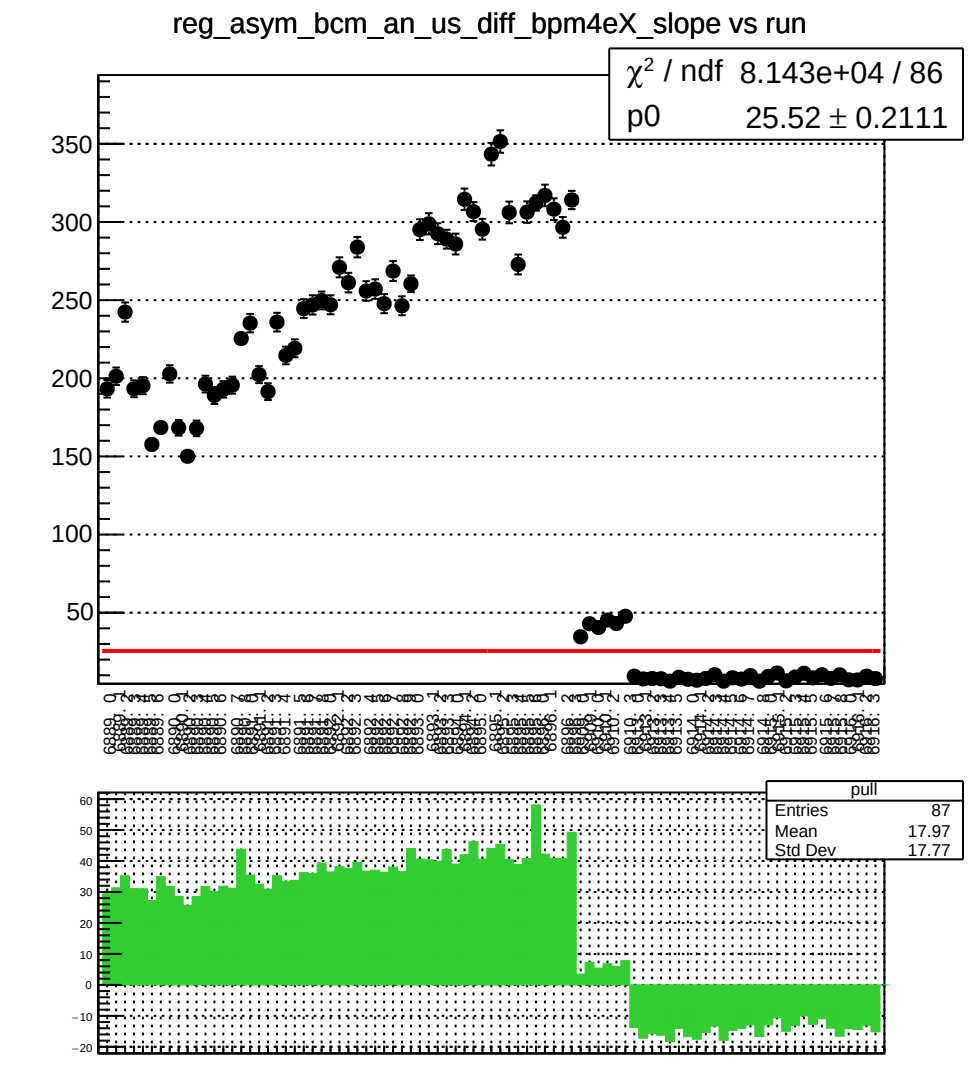

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 2273 / 86
p0 0.05325 ± 0.007496
pull
Entries 87
Mean 20.99
Std Dev 13.6

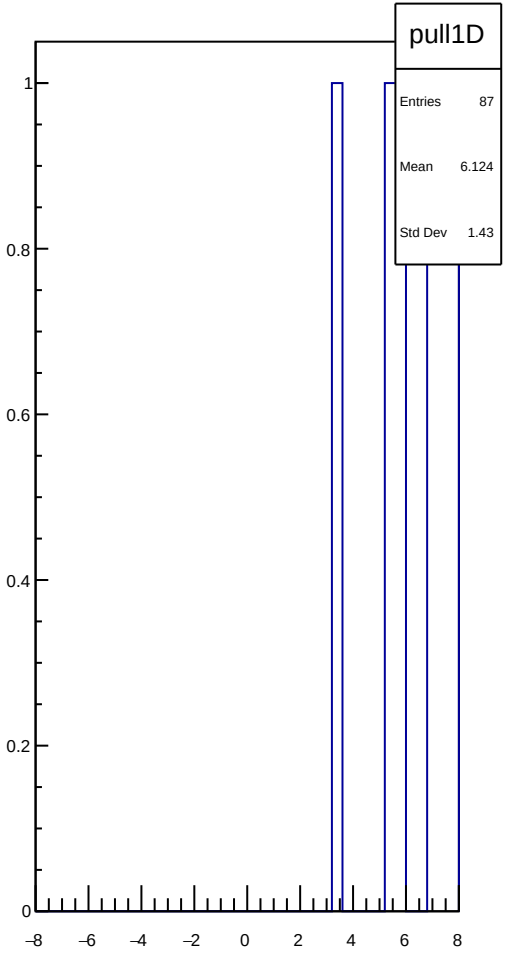

pull1D
Entries 87
Mean 2.75
Std Dev 3.886

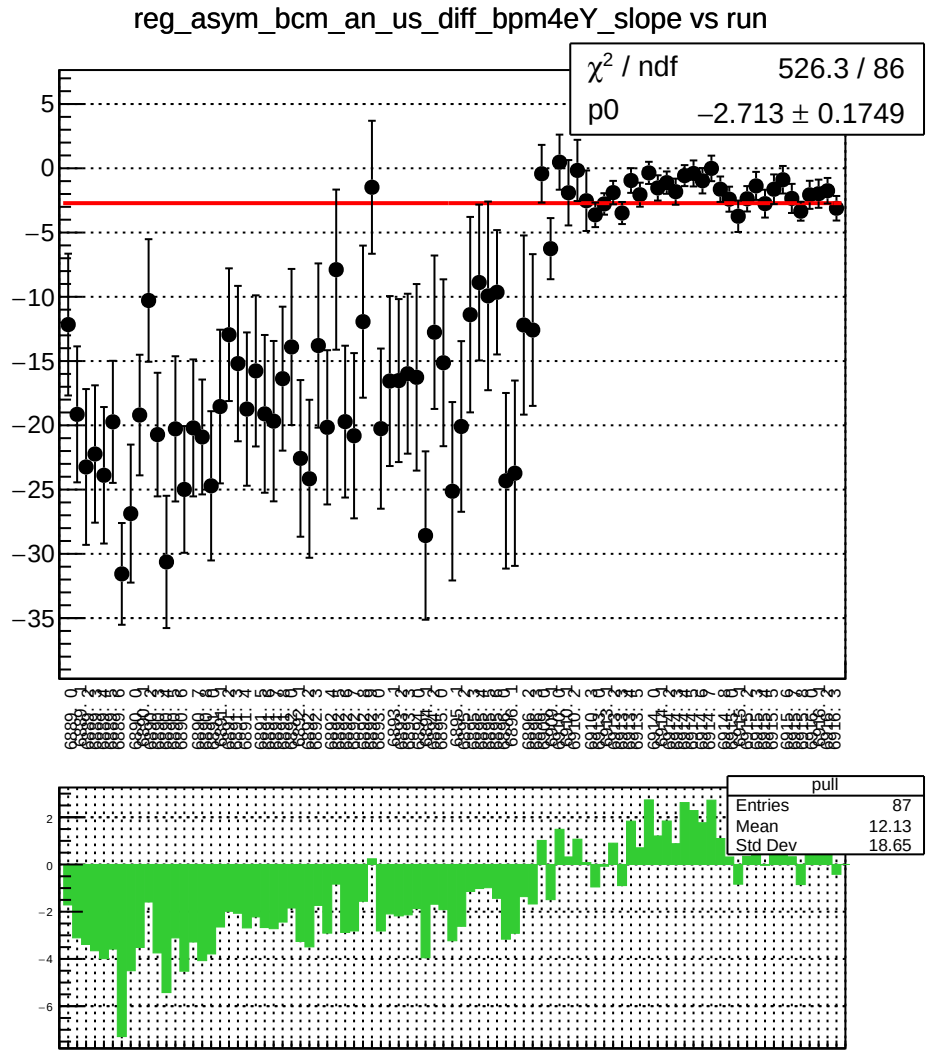

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 8.147e+04 / 86
p0 −28.52 ± 0.226
pull
Entries 87
Mean 17.51
Std Dev 18.59
pull1D
Entries 87
Mean −6.278
Std Dev 1.456

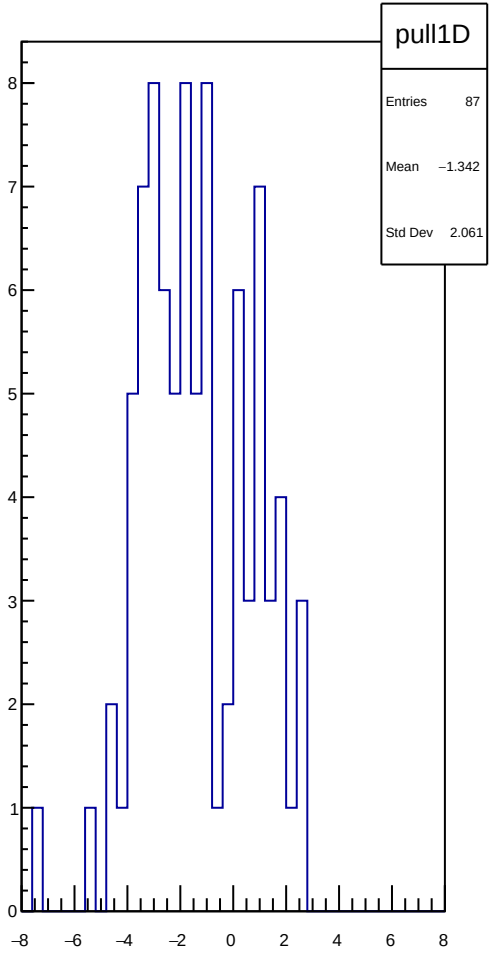

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 295.4 / 86
p0 1.672 ± 0.1526
pull
Entries 87
Mean 10.86
Std Dev 19.62

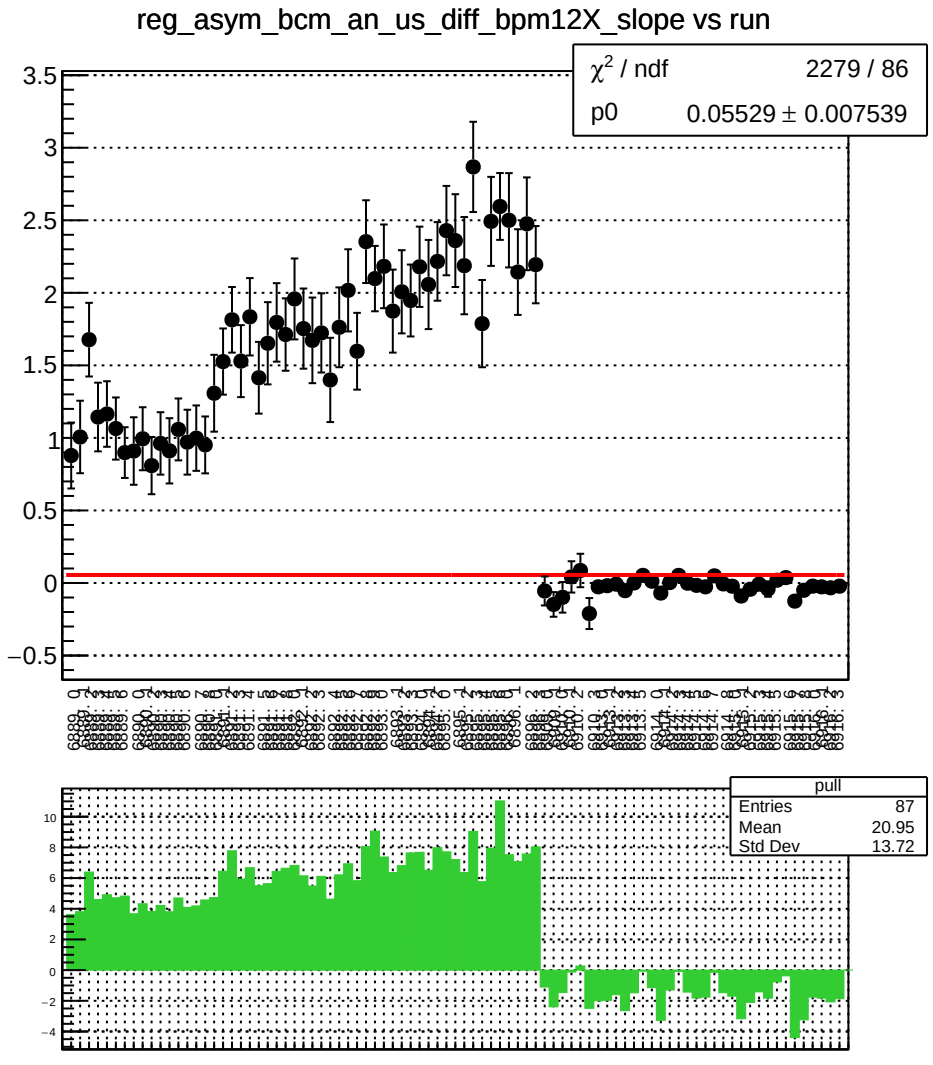

pull1D
Entries 87
Mean 0.9459
Std Dev 1.581

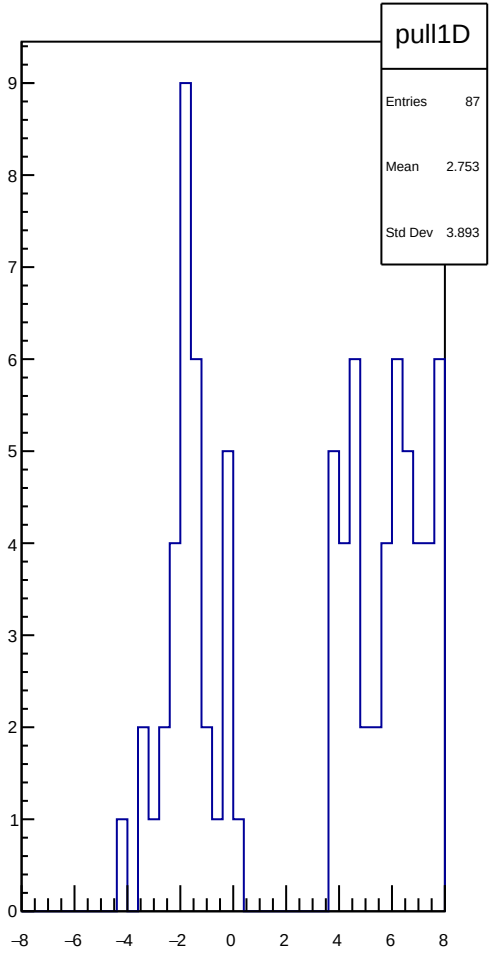

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 8.143e+04 / 86
p0 25.52 ± 0.2111
350
300
250
200
150
100
50
pull
Entries 87
Mean 17.97
Std Dev 17.77
60
50
40
30
20
10
0
−10
−20

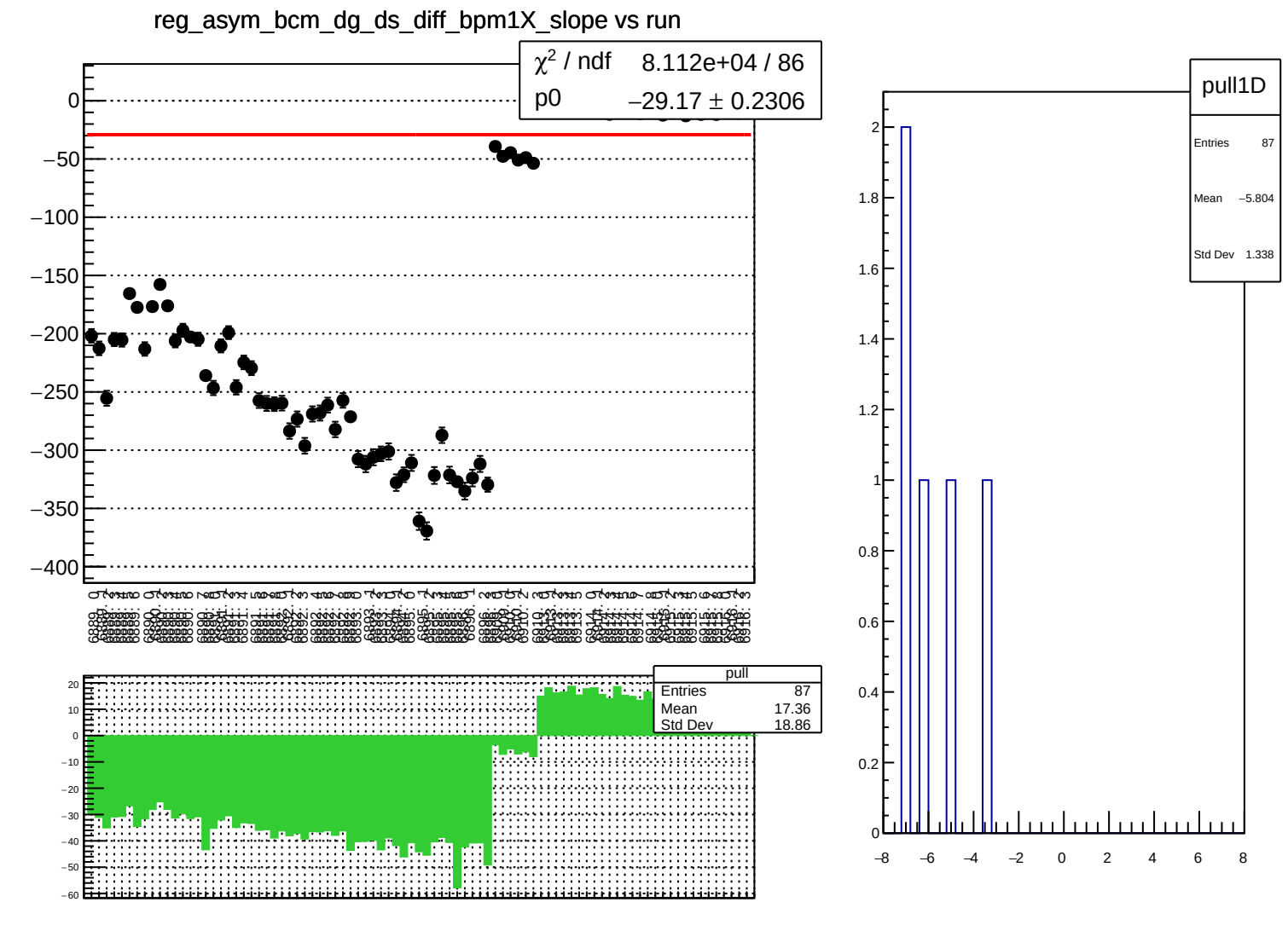

pull1D
Entries 87
Mean 6.124
Std Dev 1.43
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

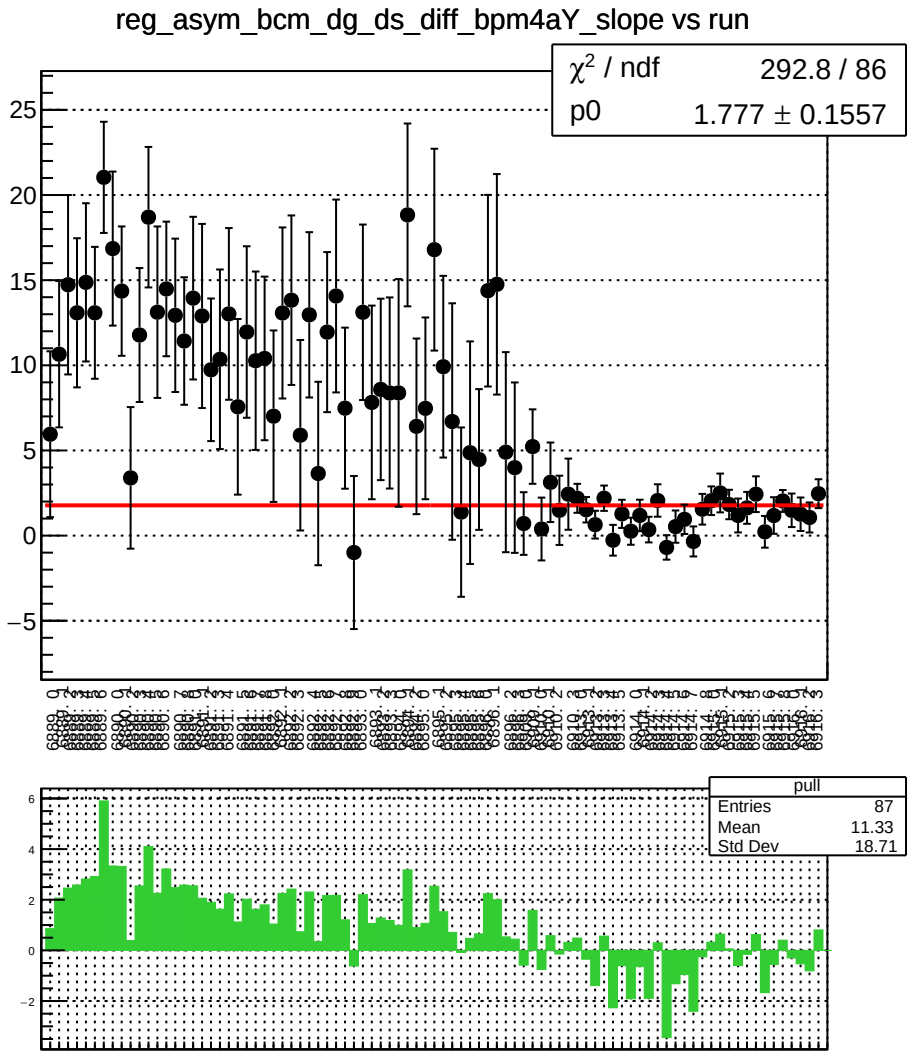

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 526.3 / 86
p0 −2.713 ± 0.1749
pull
Entries 87
Mean 12.13
Std Dev 18.65

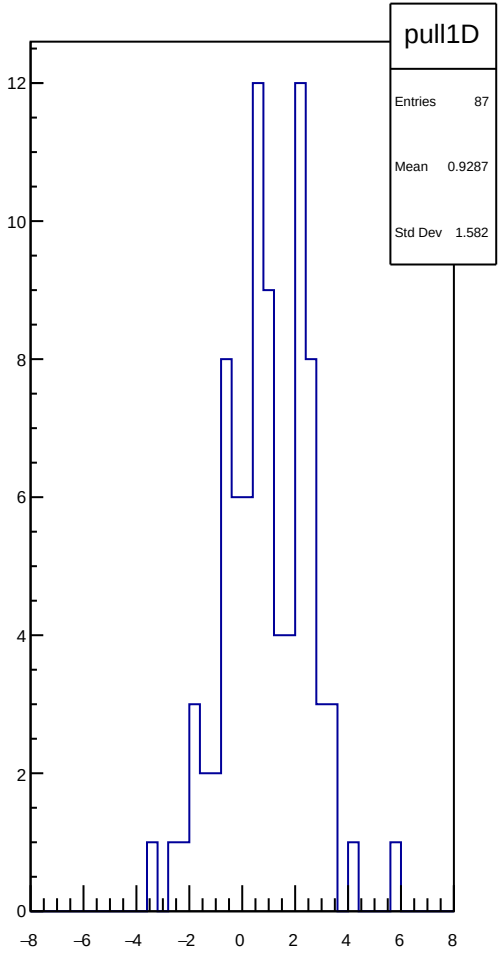

pull1D
Entries 87
Mean −1.342
Std Dev 2.061

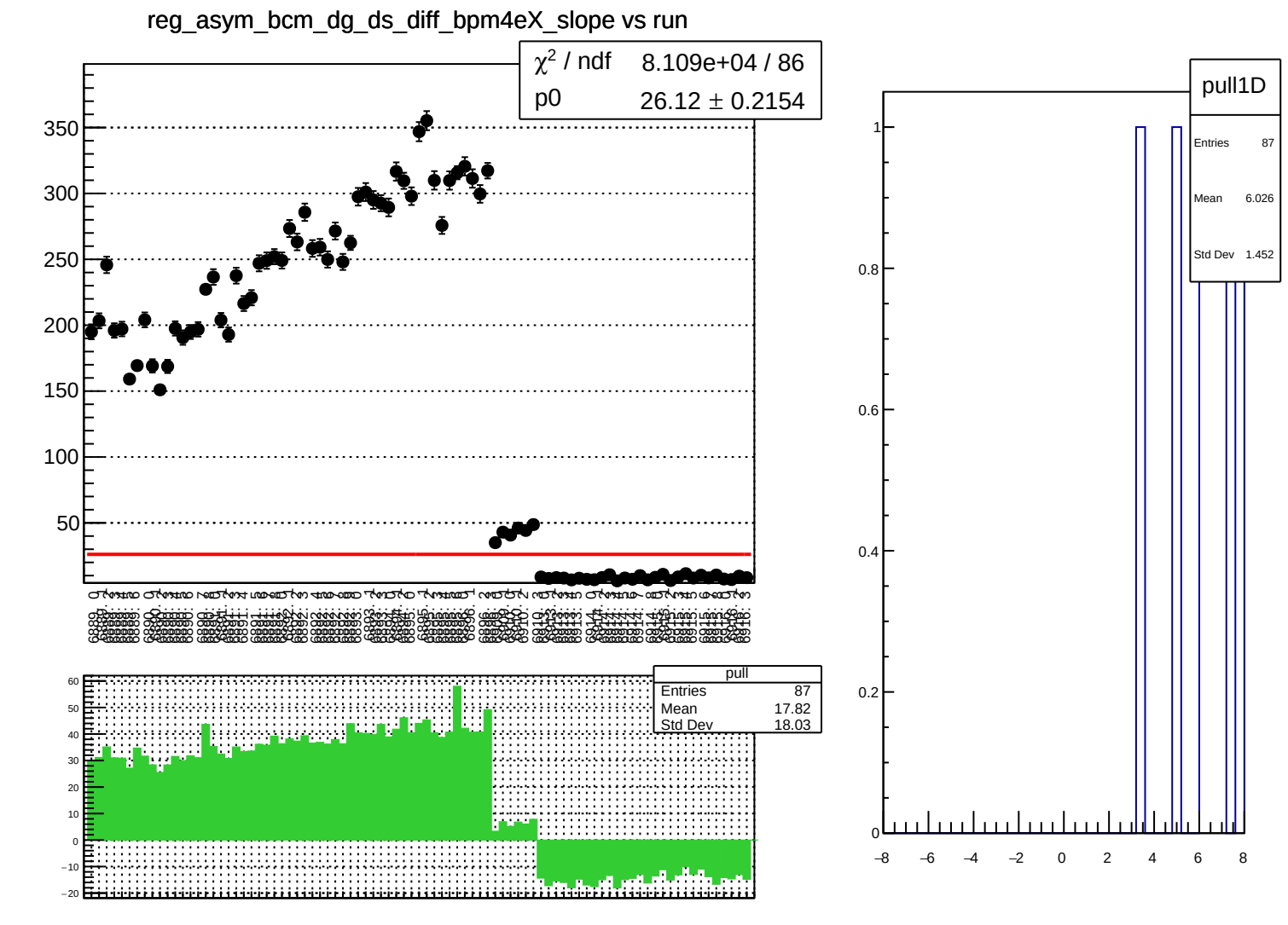

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 2279 / 86
p0 0.05529 ± 0.007539
pull
Entries 87
Mean 20.95
Std Dev 13.72

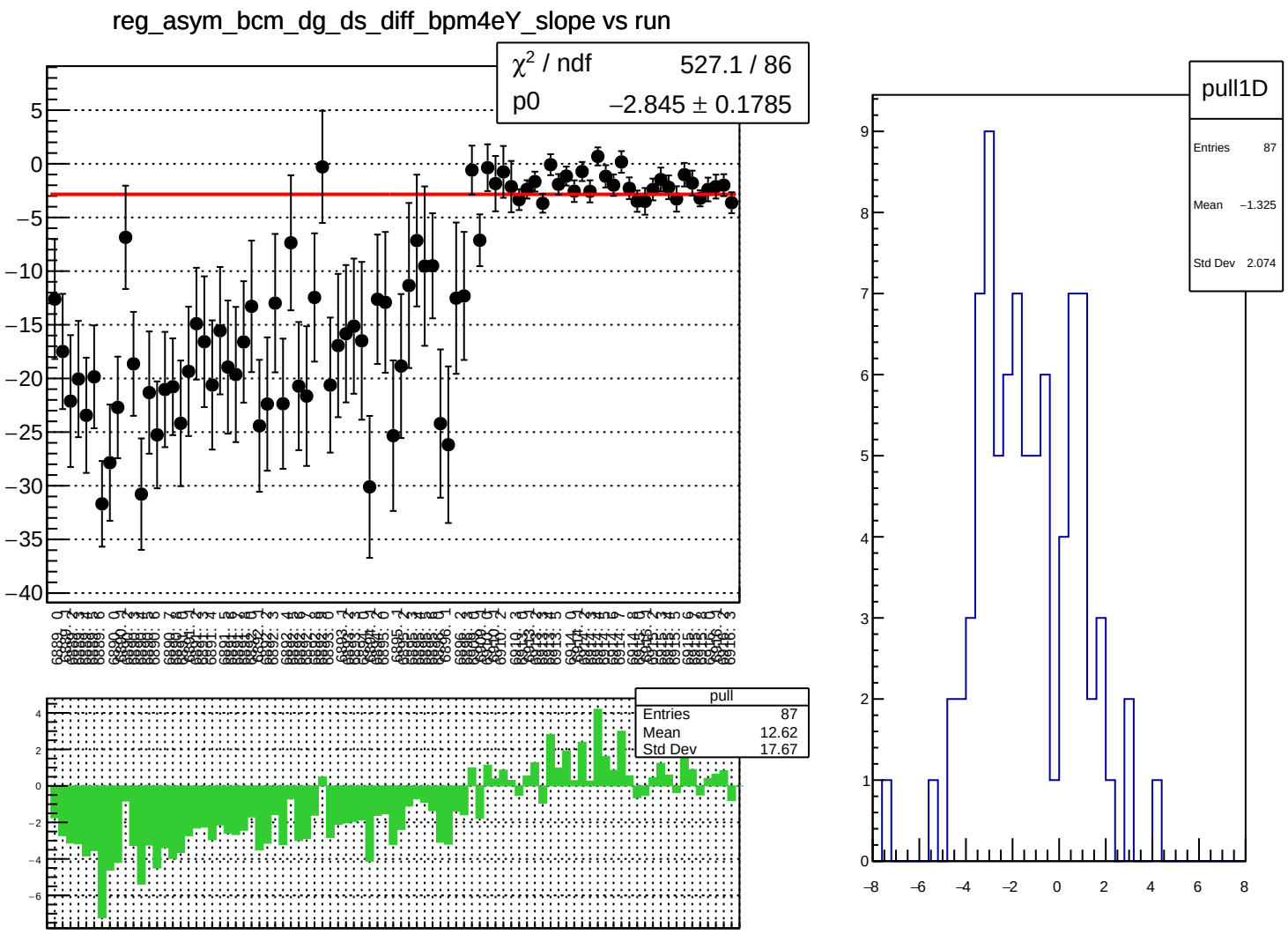

pull1D
Entries 87
Mean 2.753
Std Dev 3.893

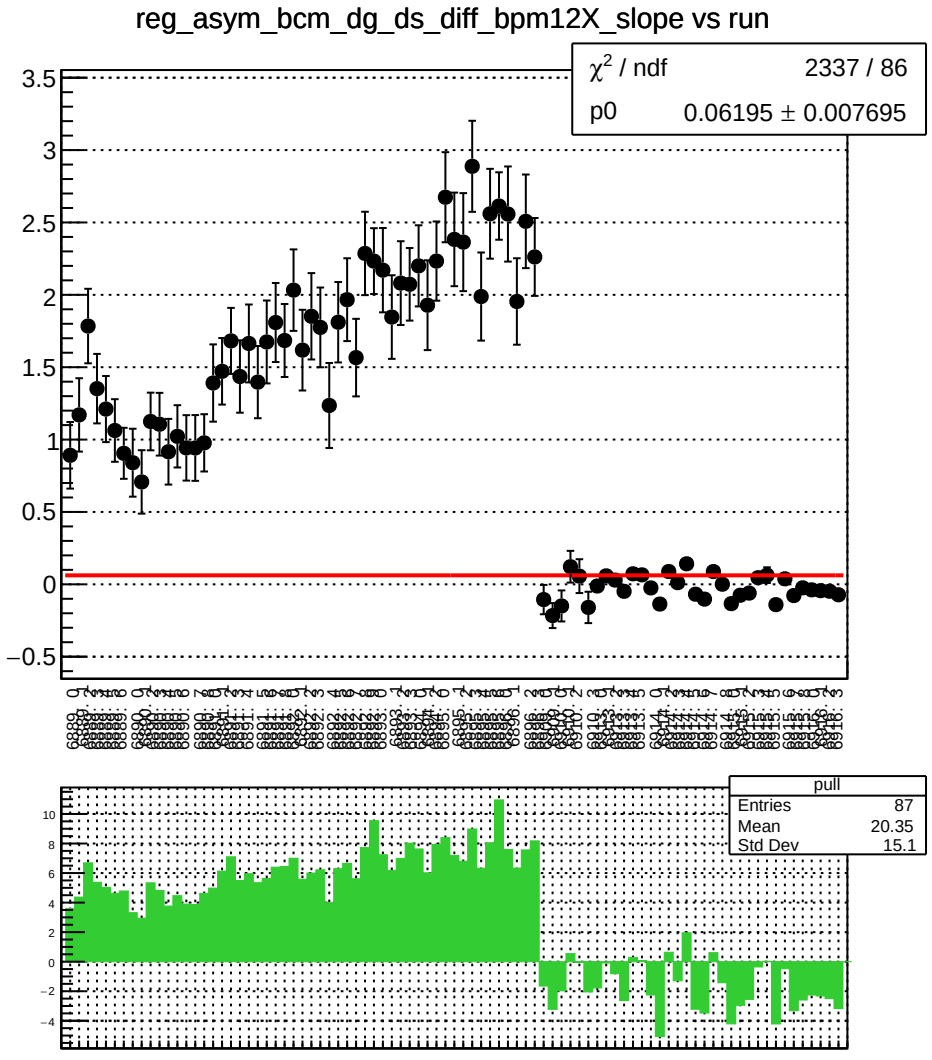

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 8.112e+04 / 86
p0 −29.17 ± 0.2306
pull
Entries 87
Mean 17.36
Std Dev 18.86
pull1D
Entries 87
Mean −5.804
Std Dev 1.338

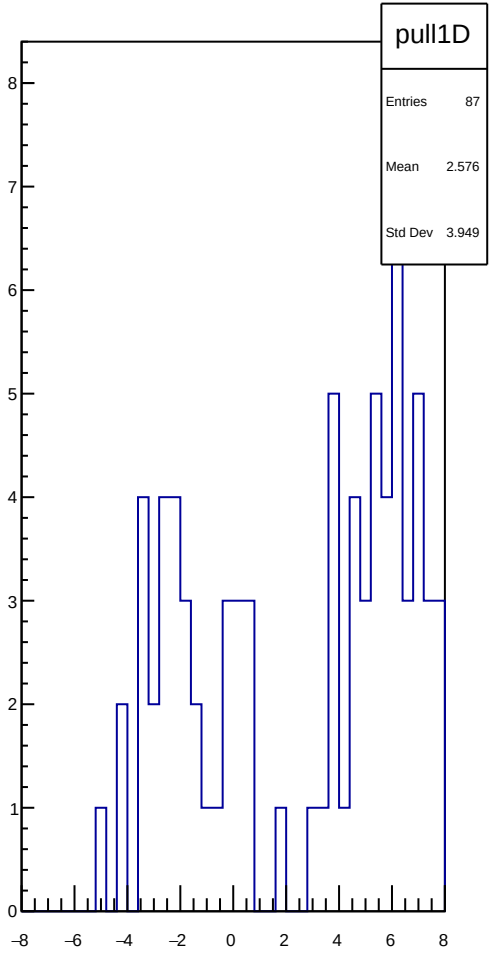

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 292.8 / 86
p0 1.777 ± 0.1557
pull
Entries 87
Mean 11.33
Std Dev 18.71

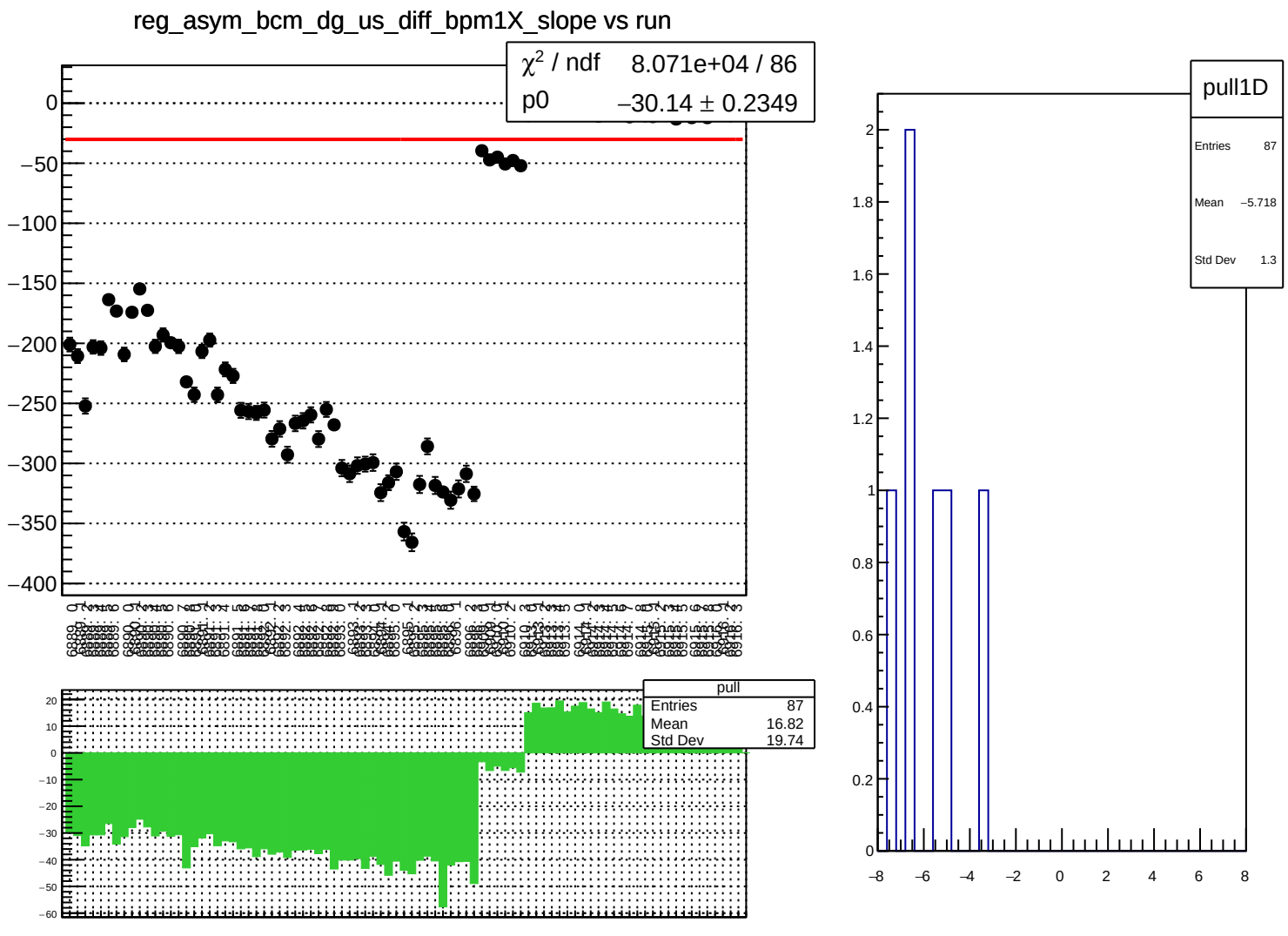

pull1D
Entries 87
Mean 0.9287
Std Dev 1.582

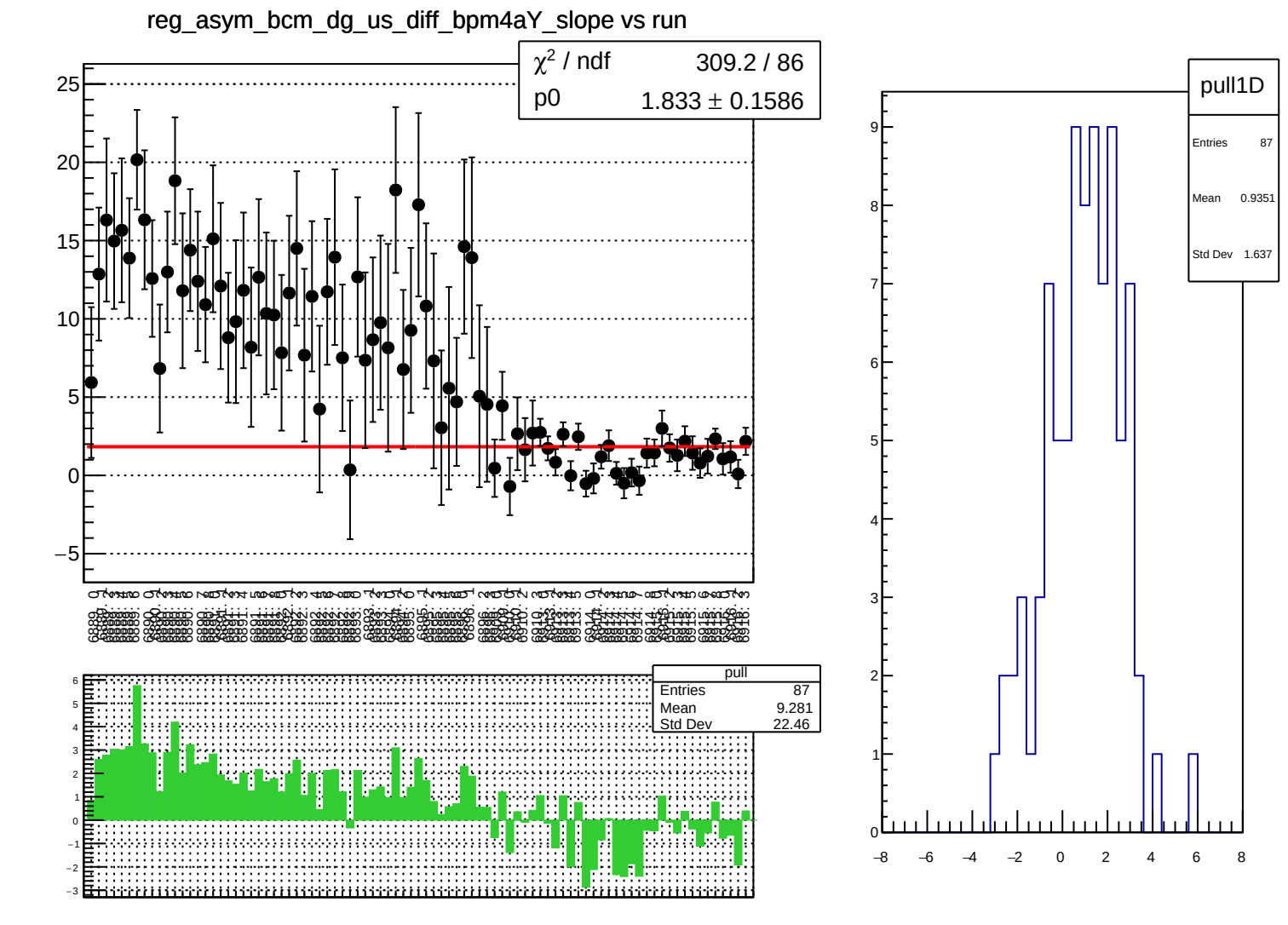

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 8.109e+04 / 86
p0 26.12 ± 0.2154
350
300
250
200
150
100
50
pull
Entries 87
Mean 17.82
Std Dev 18.03
60
50
40
30
20
10
0
−10
−20
pull1D
Entries 87
Mean 6.026
Std Dev 1.452
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

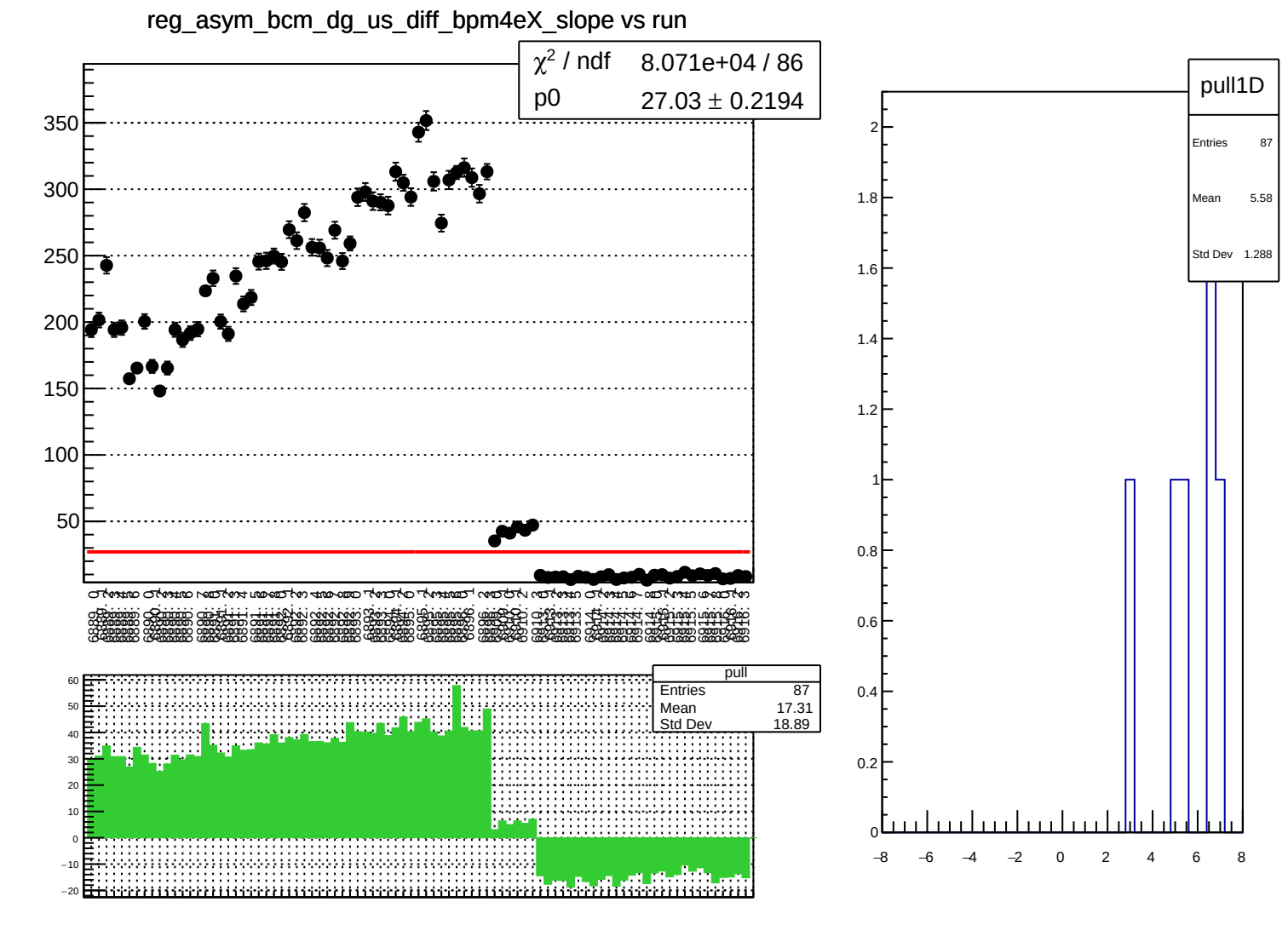

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 527.1 / 86
p0 −2.845 ± 0.1785
pull
Entries 87
Mean 12.62
Std Dev 17.67
pull1D
Entries 87
Mean −1.325
Std Dev 2.074

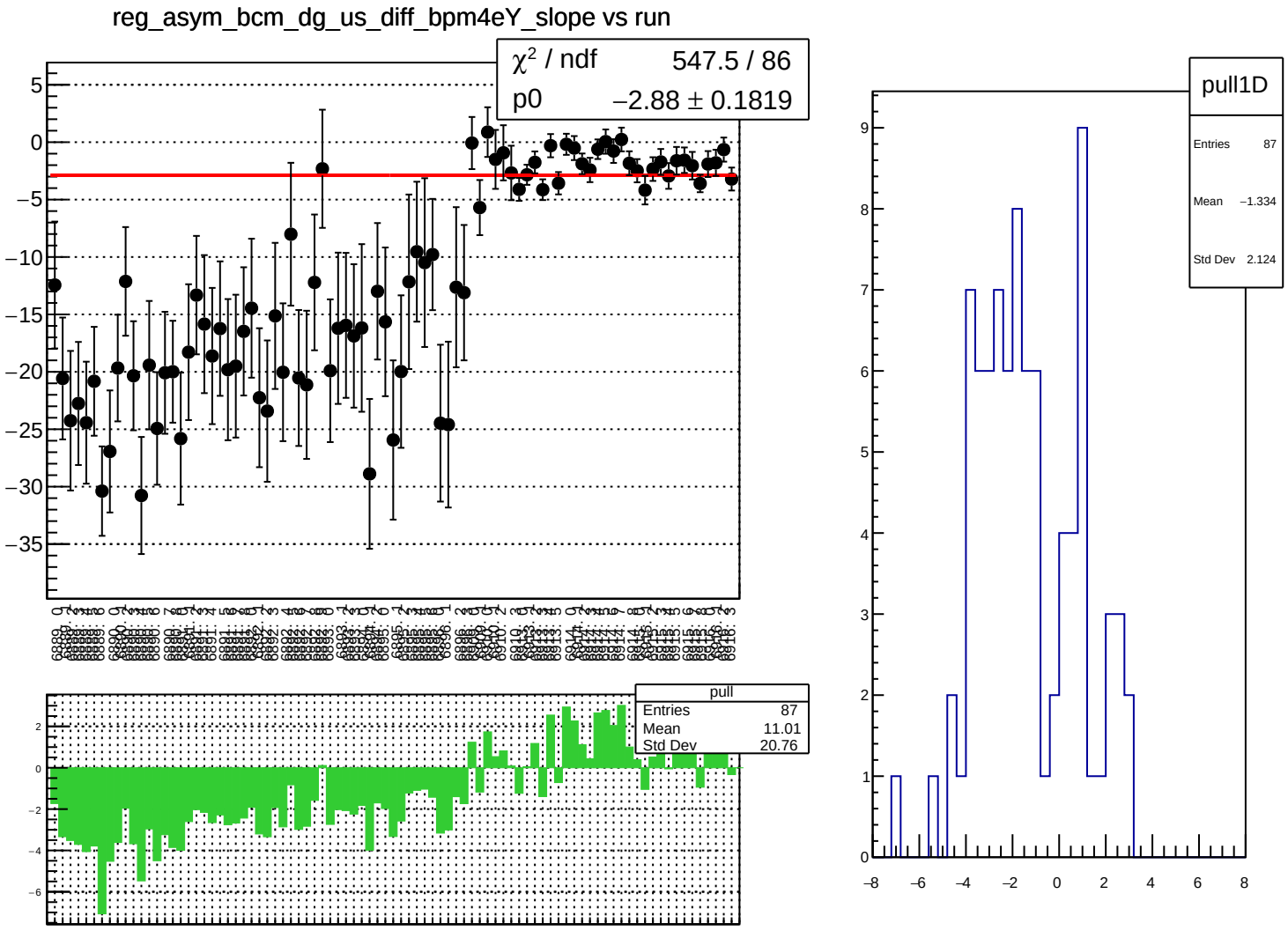

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 2337 / 86
p0 0.06195 ± 0.007695
pull
Entries 87
Mean 20.35
Std Dev 15.1

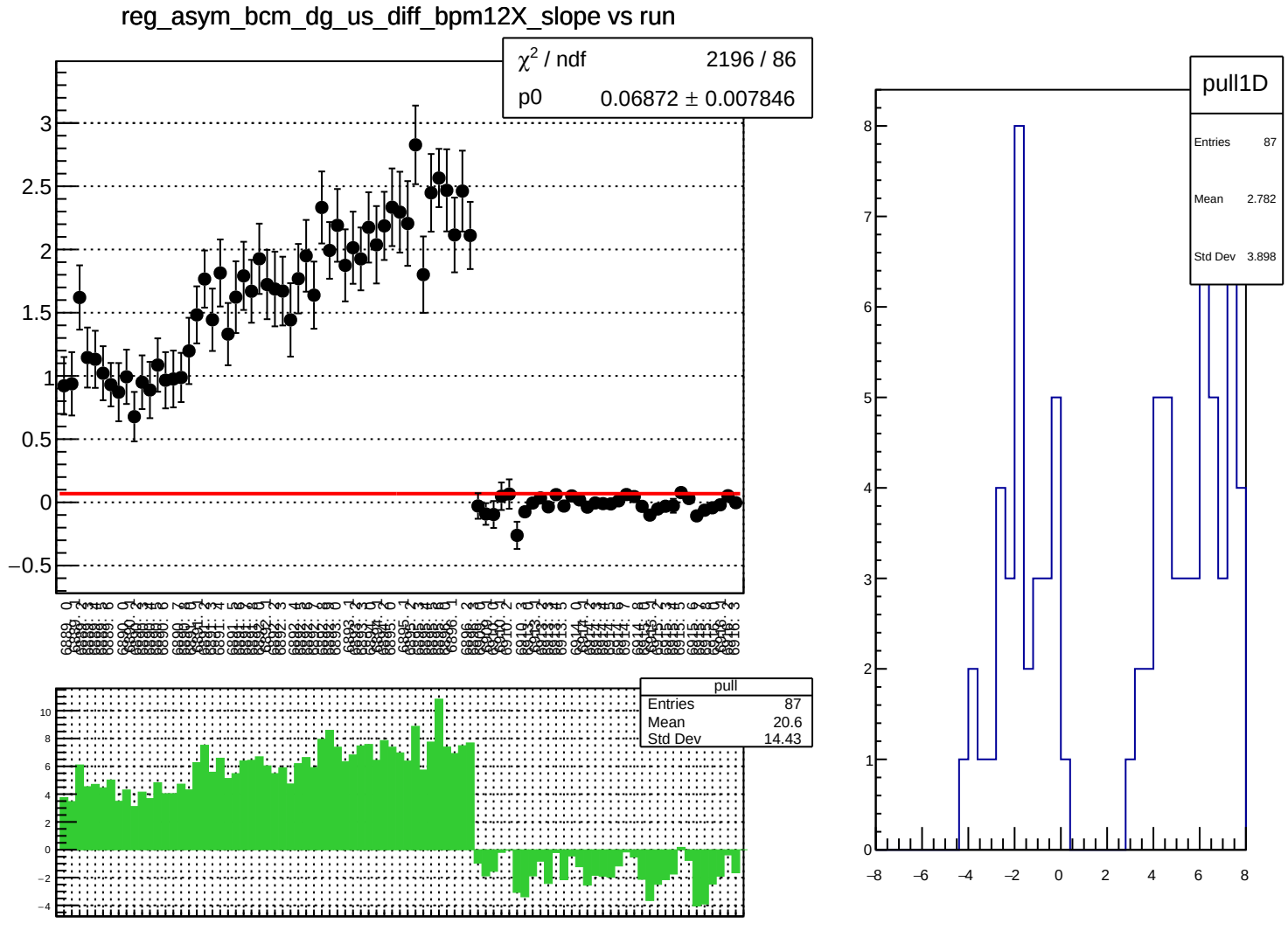

pull1D
Entries 87
Mean 2.576
Std Dev 3.949


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
350
300
250
200
150
100
50
pull
Entries 87
Mean 17.31
Std Dev 18.89
60
50
40
30
20
10
0
−10
−20
pull1D
Entries 87
Mean 5.58
Std Dev 1.288
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


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