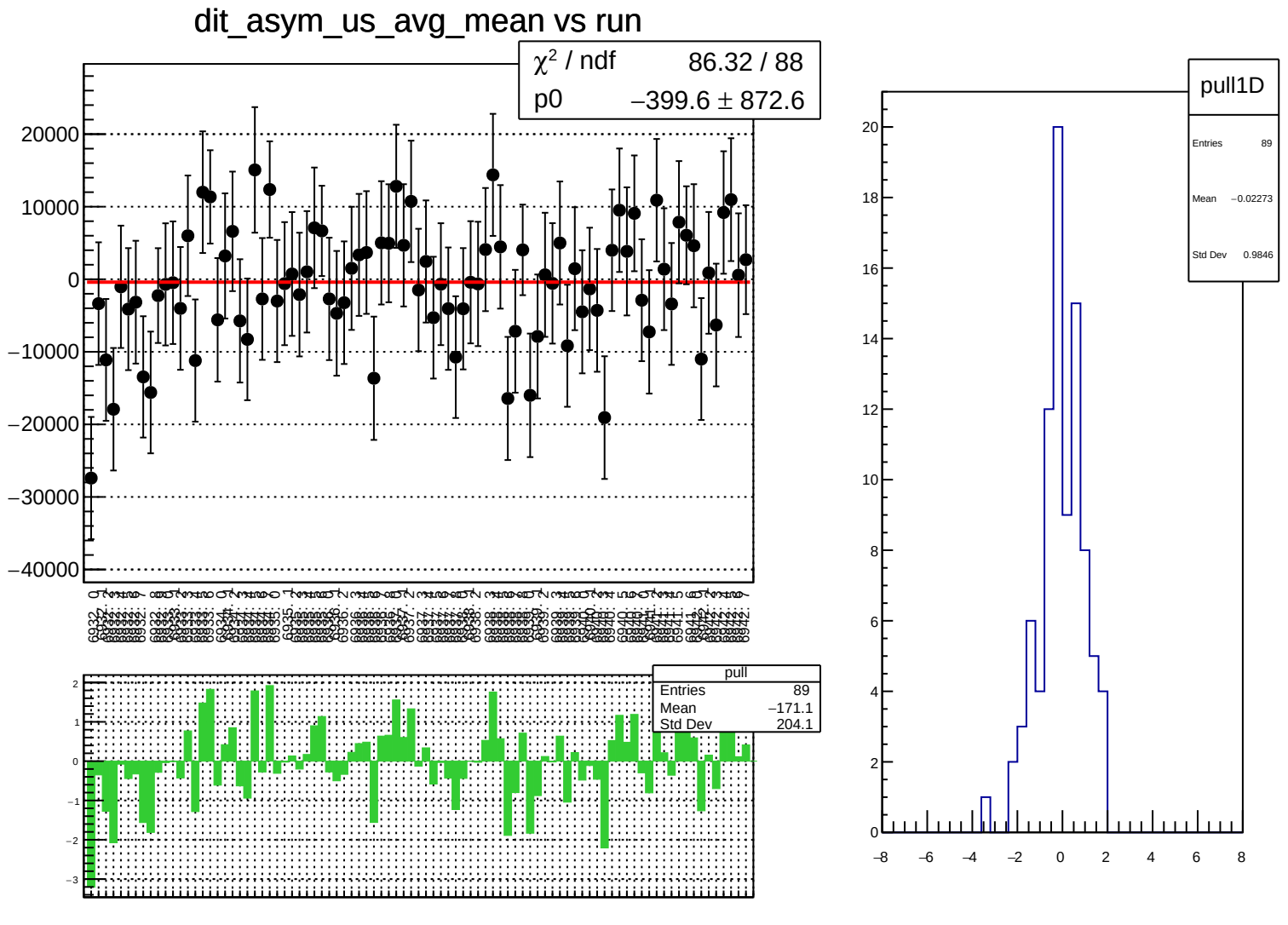
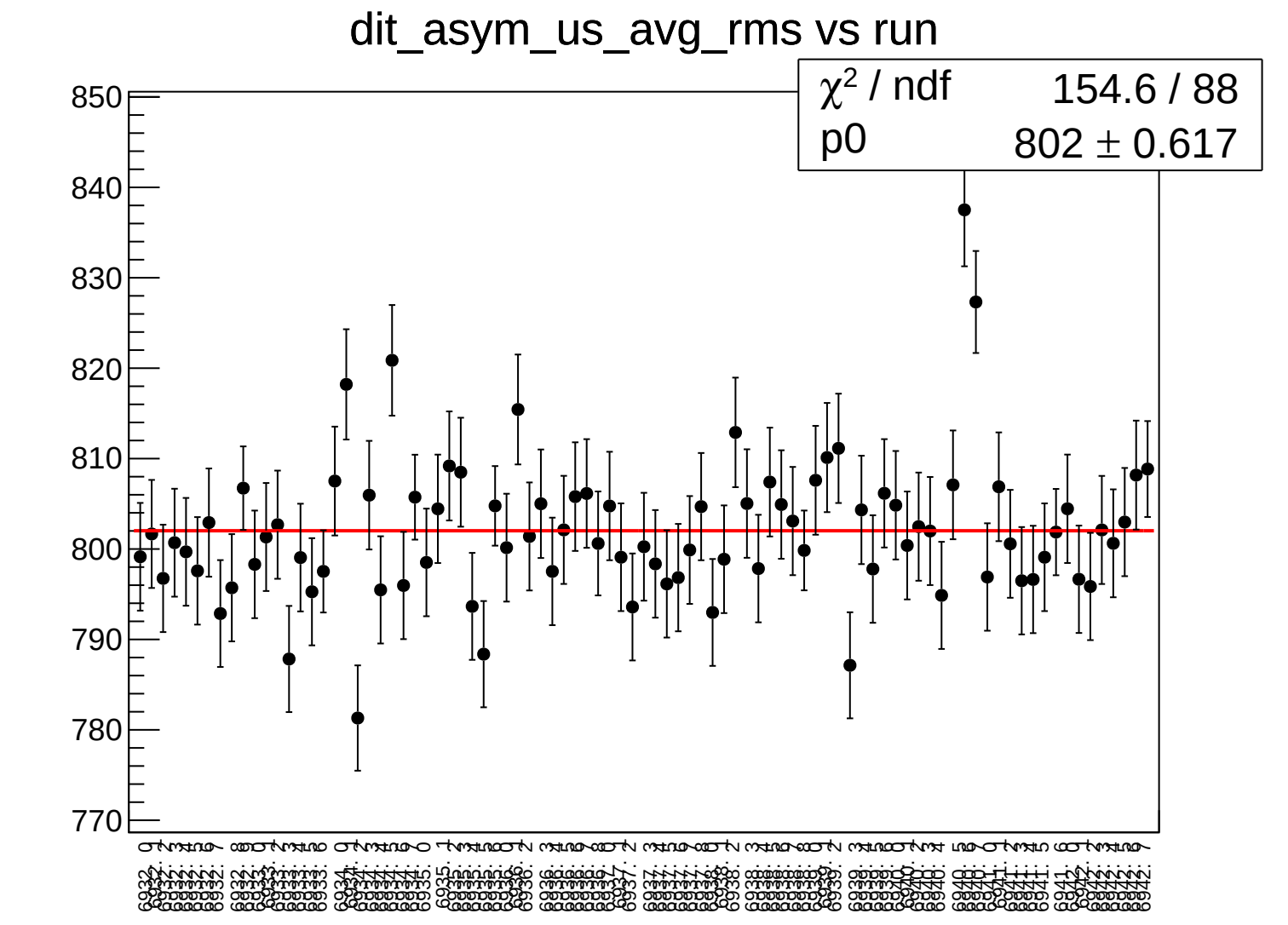
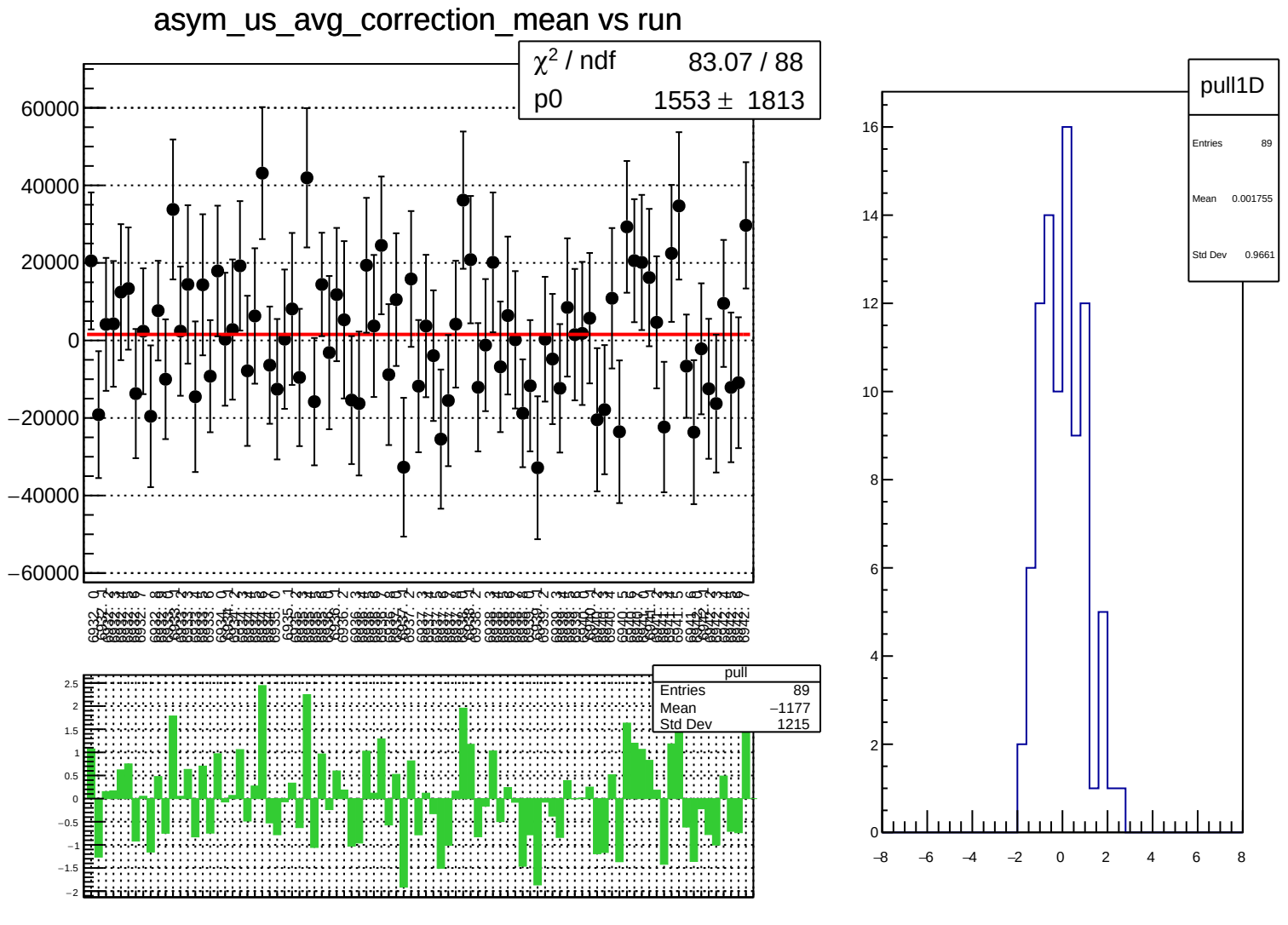
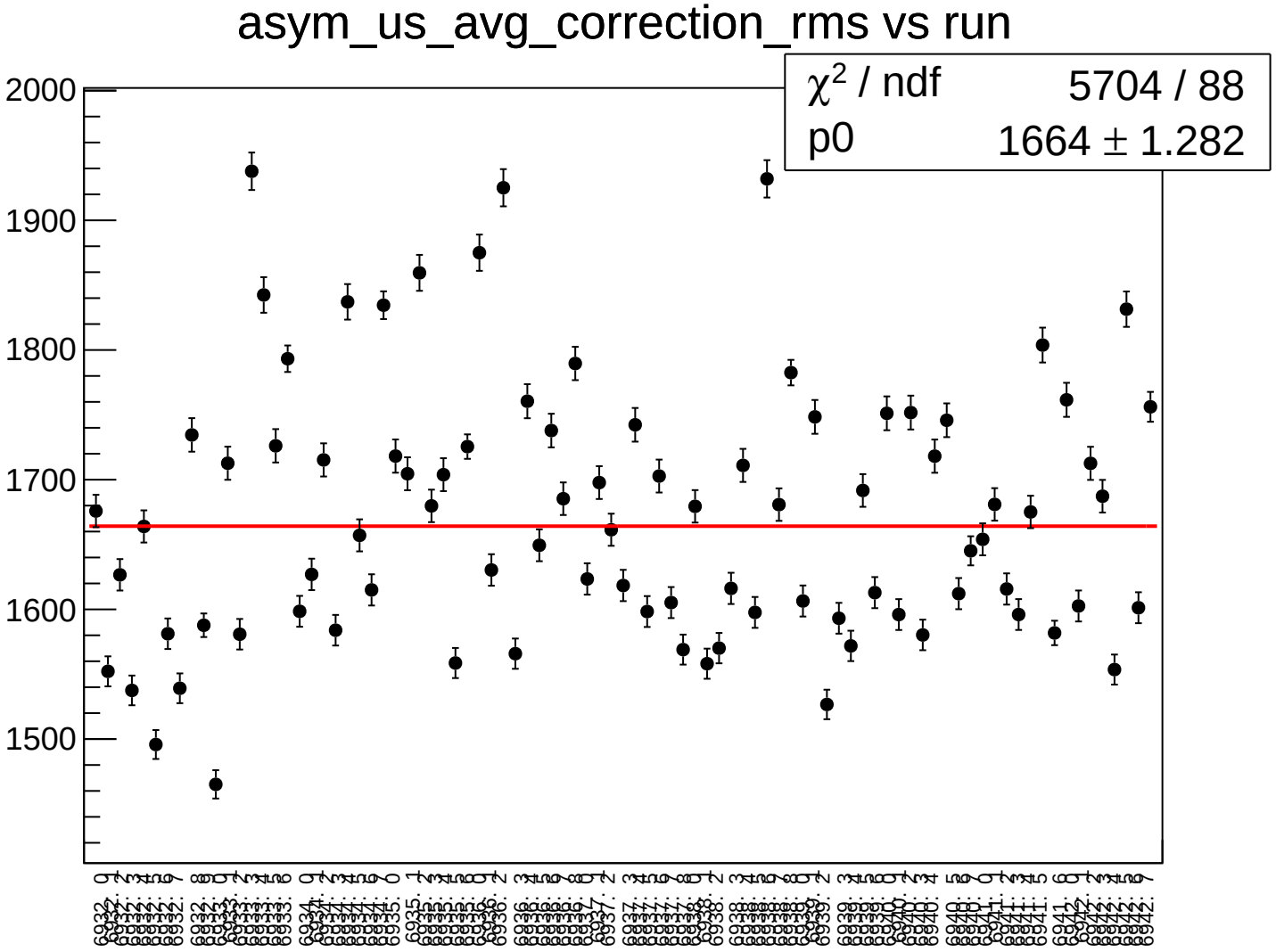
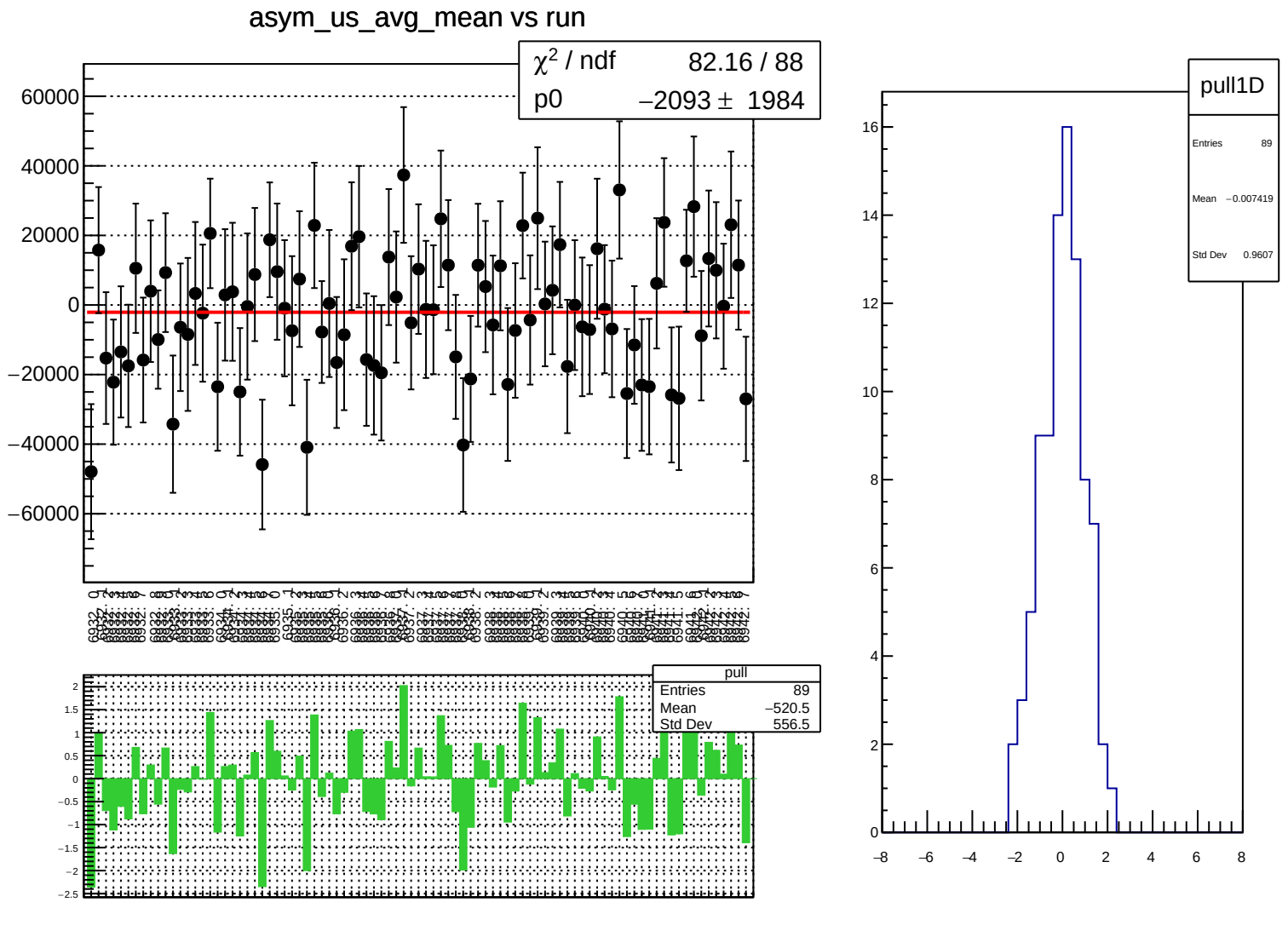
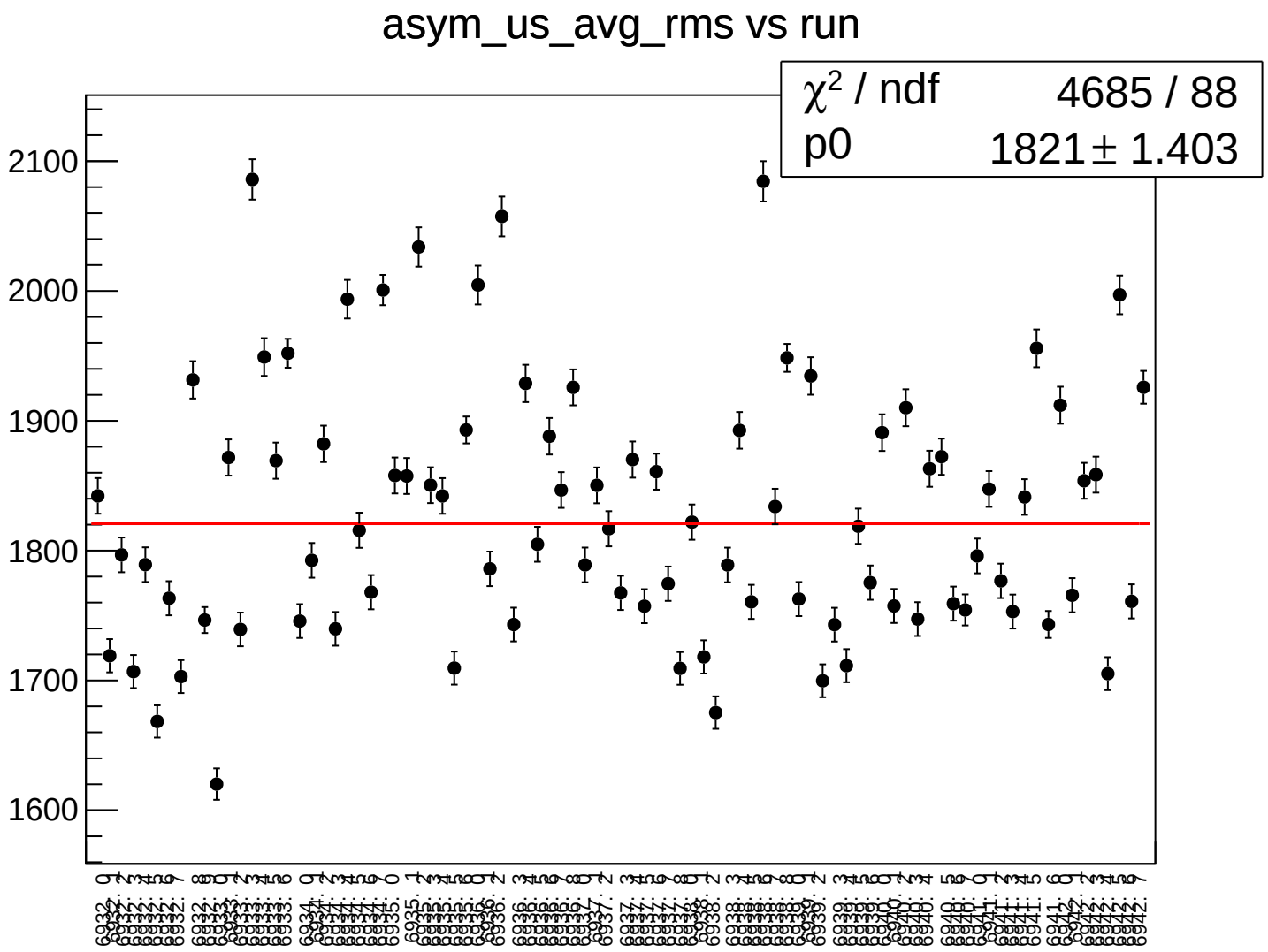

dit_asym_us_avg_mean vs run
χ² / ndf 86.32 / 88
p0 −399.6 ± 872.6
pull
Entries 89
Mean −171.1
Std Dev 204.1
pull1D
Entries 89
Mean −0.02273
Std Dev 0.9846

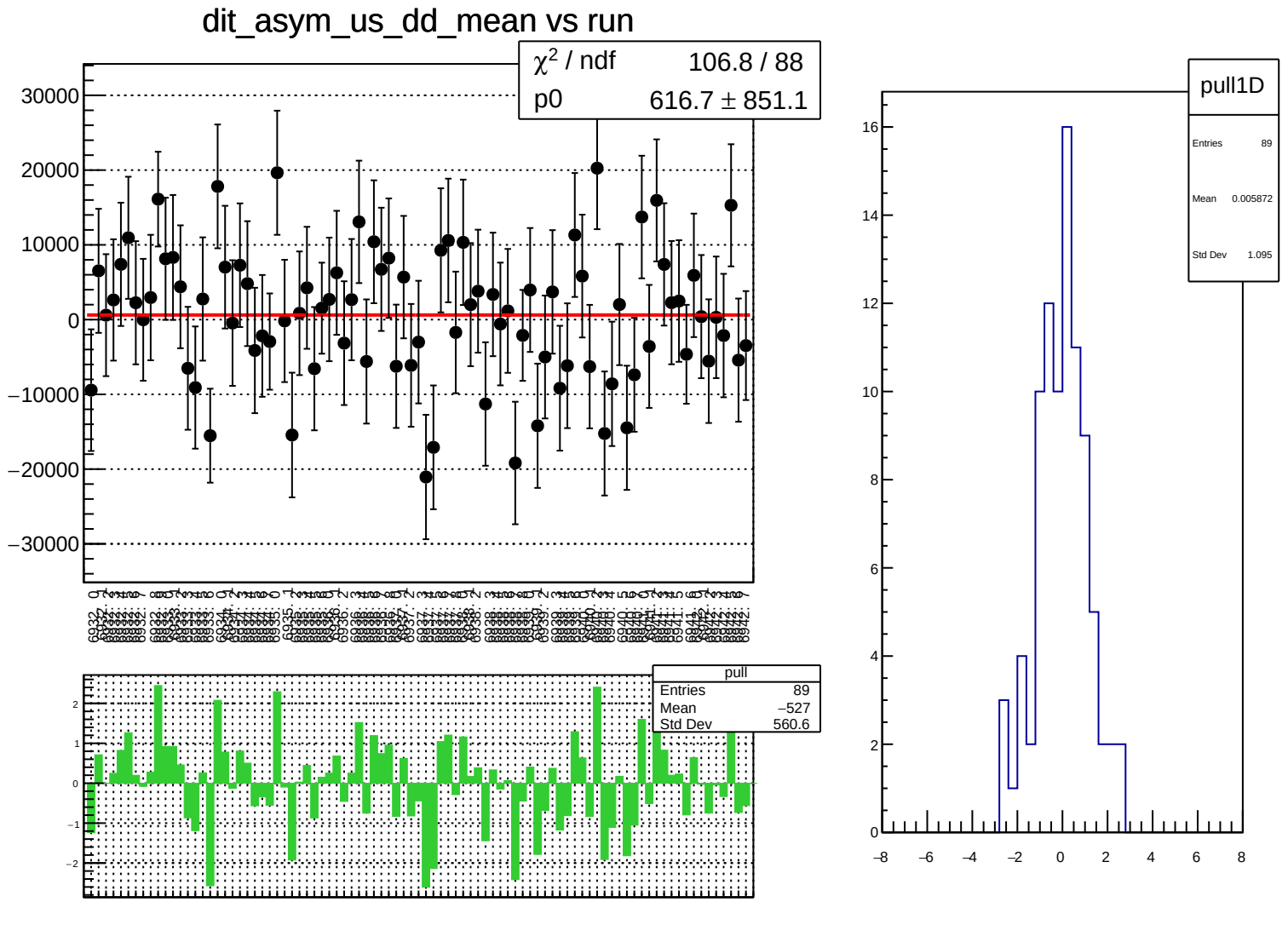

dit_asym_us_avg_rms vs run
χ^2 / ndf 154.6 / 88
p0 802 ± 0.617
850
840
830
820
810
800
790
780
770

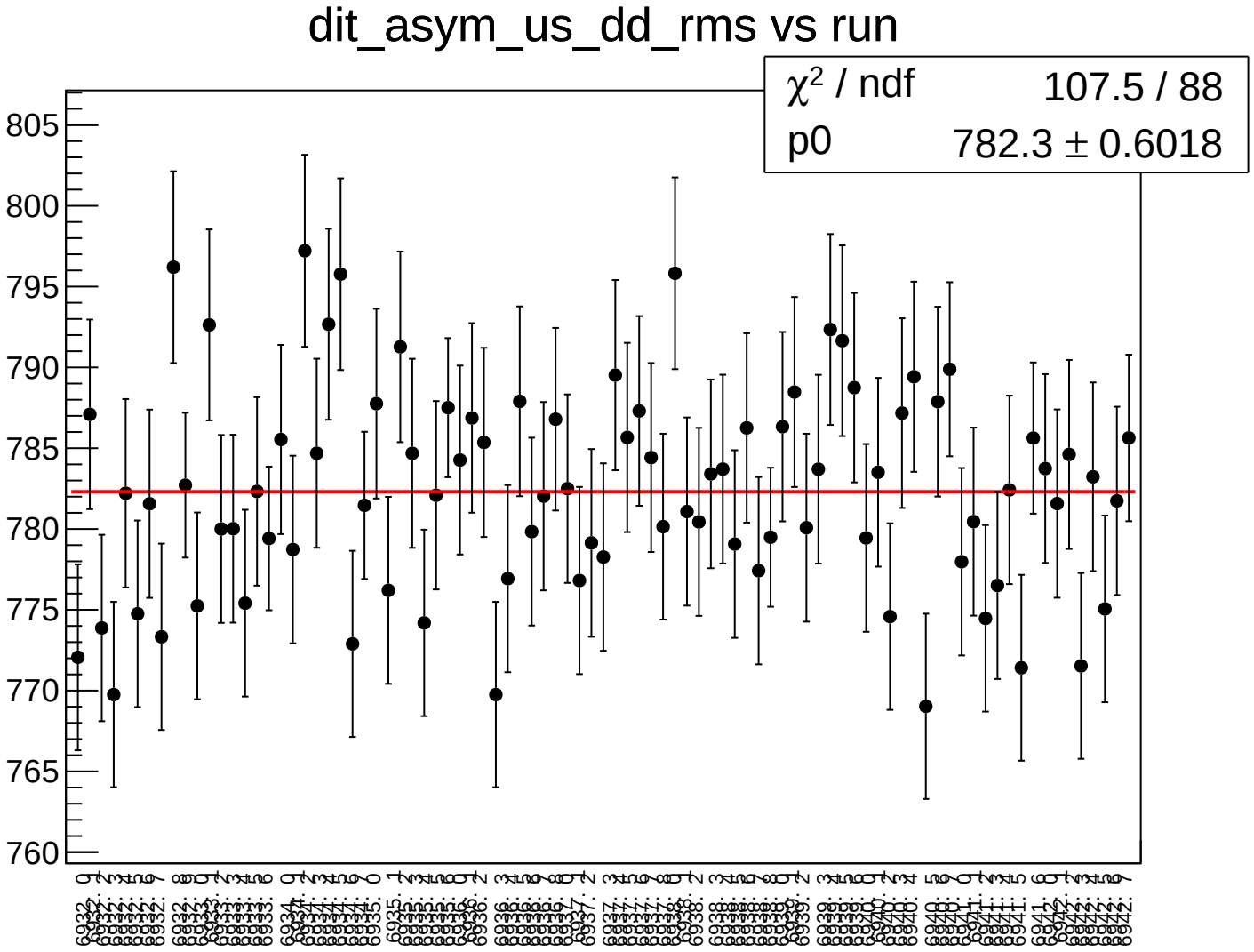

asym_us_avg_correction_mean vs run
χ² / ndf 83.07 / 88
p0 1553 ± 1813
pull
Entries 89
Mean −1177
Std Dev 1215
pull1D
Entries 89
Mean 0.001755
Std Dev 0.9661

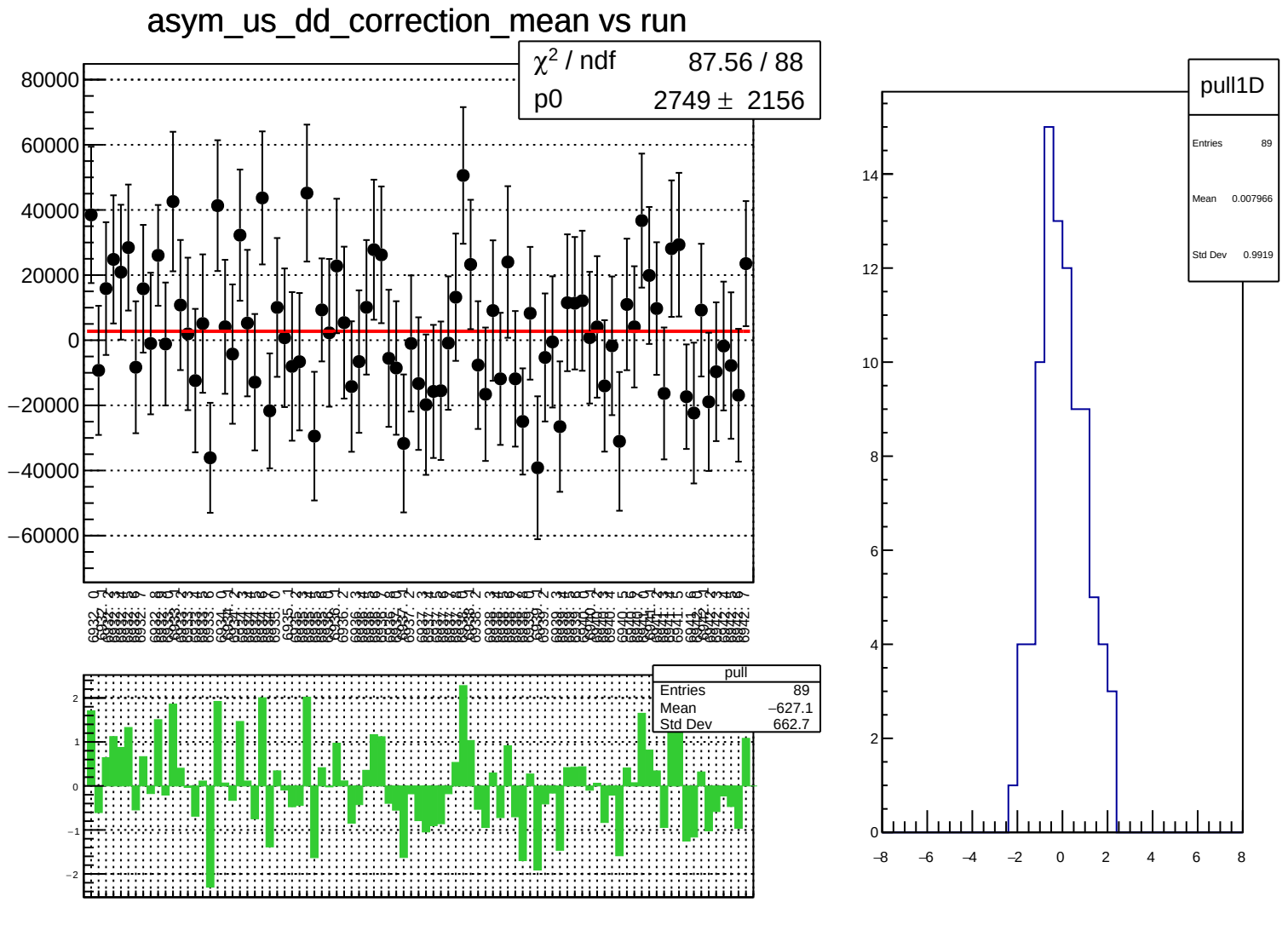

asym_us_avg_correction_rms vs run
χ^2 / ndf 5704 / 88
p0 1664 ± 1.282
2000
1900
1800
1700
1600
1500


asym_us_avg_mean vs run
χ² / ndf 82.16 / 88
p0 −2093 ± 1984
pull
Entries 89
Mean −520.5
Std Dev 556.5
pull1D
Entries 89
Mean −0.007419
Std Dev 0.9607

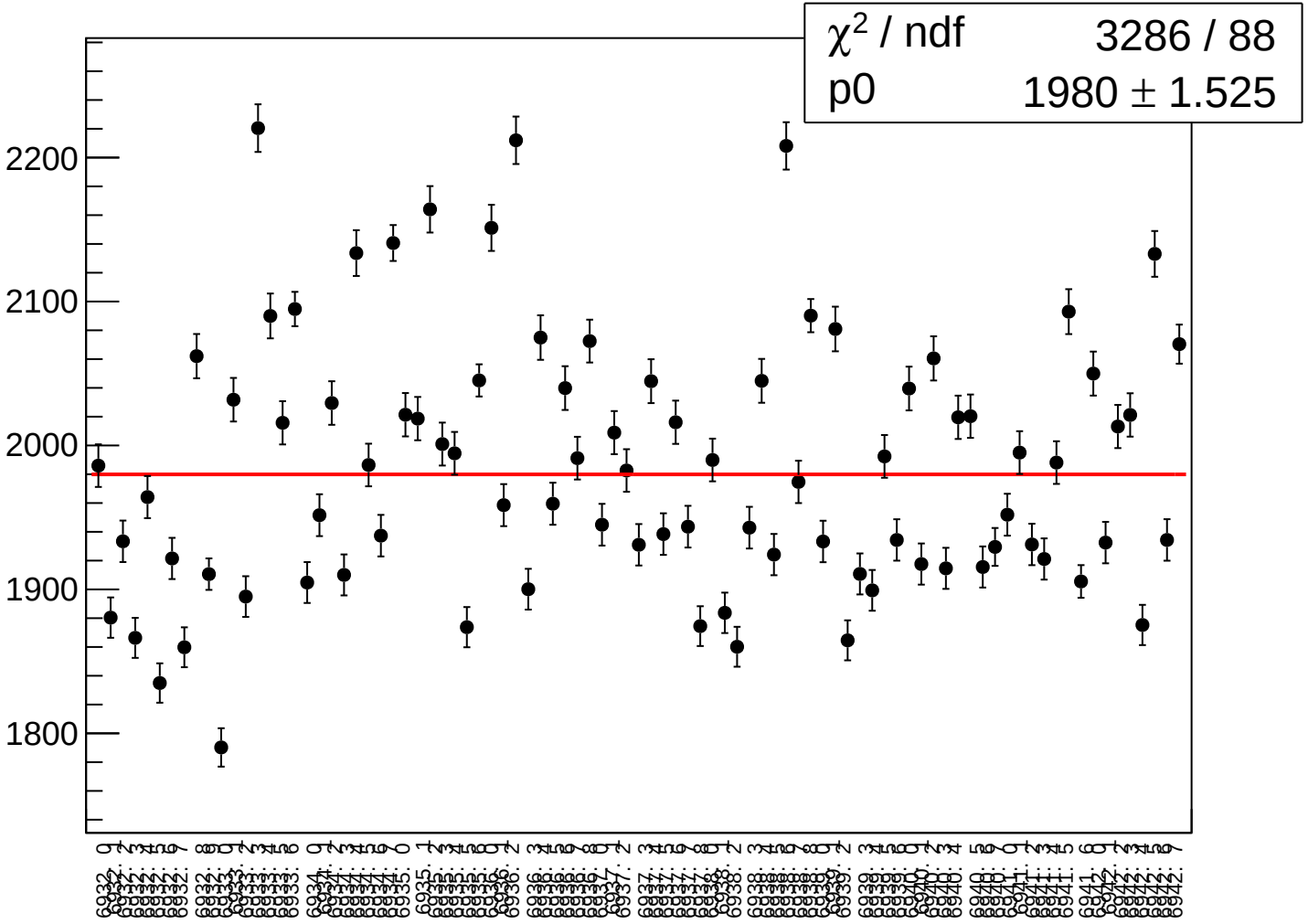

asym_us_avg_rms vs run
χ² / ndf 4685 / 88
p0 1821 ± 1.403
2100
2000
1900
1800
1700
1600

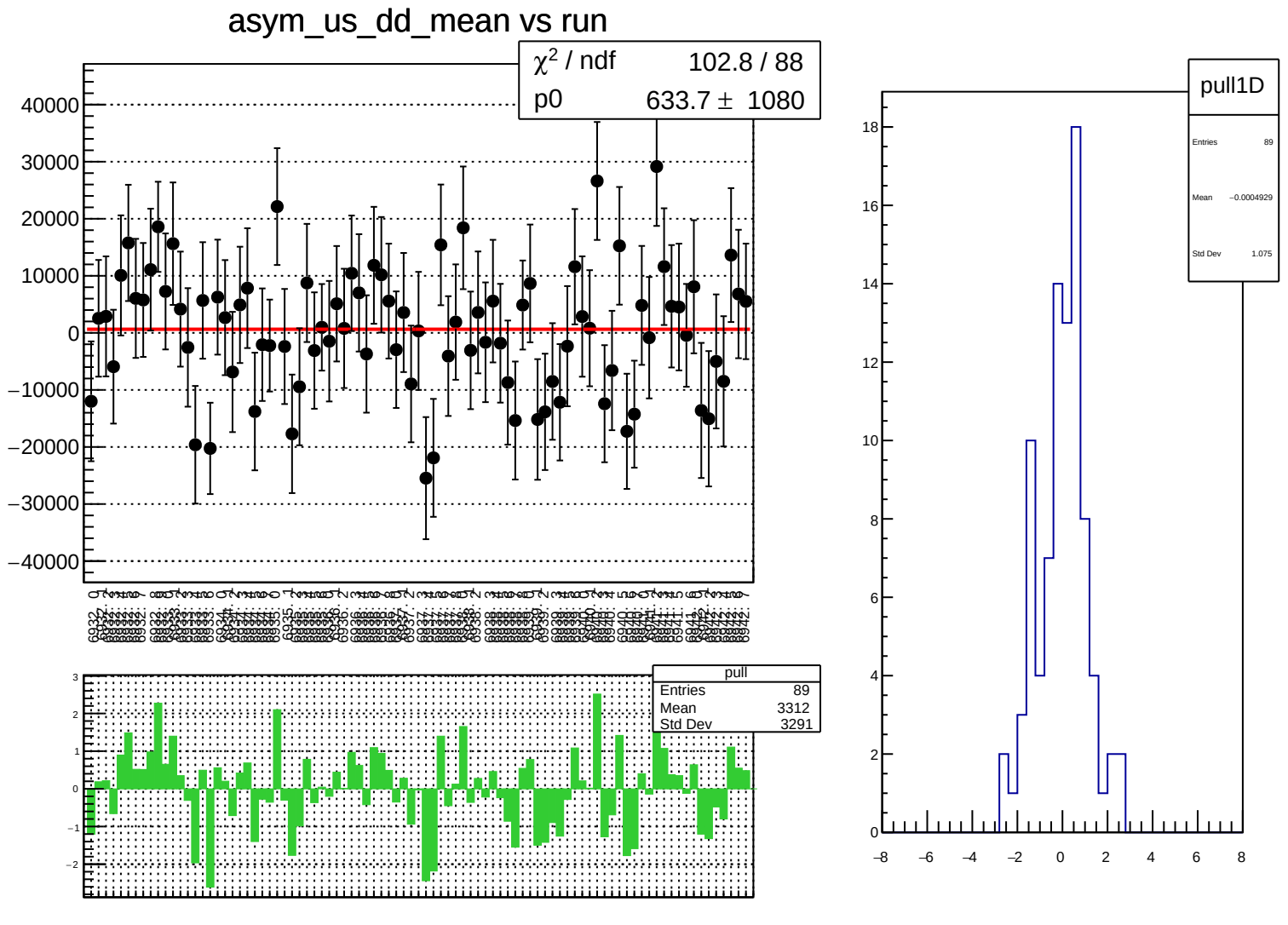

dit_asym_us_dd_mean vs run
χ² / ndf 106.8 / 88
p0 616.7 ± 851.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −527
Std Dev 560.6
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.005872
Std Dev 1.095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_rms vs run
χ² / ndf 107.5 / 88
p0 782.3 ± 0.6018
805
800
795
790
785
780
775
770
765
760

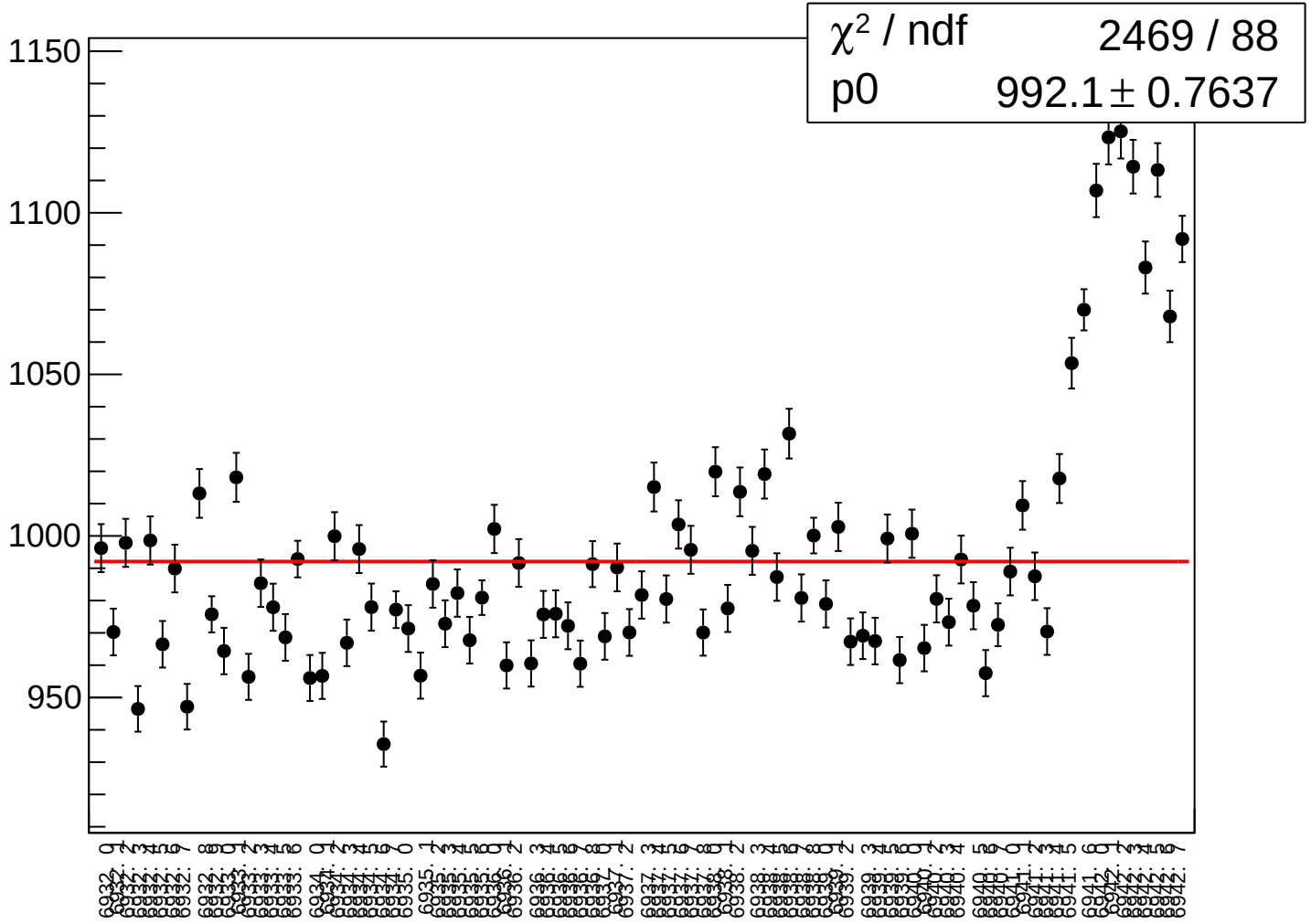

asym_us_dd_correction_mean vs run
χ² / ndf 87.56 / 88
p0 2749 ± 2156
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −627.1
Std Dev 662.7
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.007966
Std Dev 0.9919
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

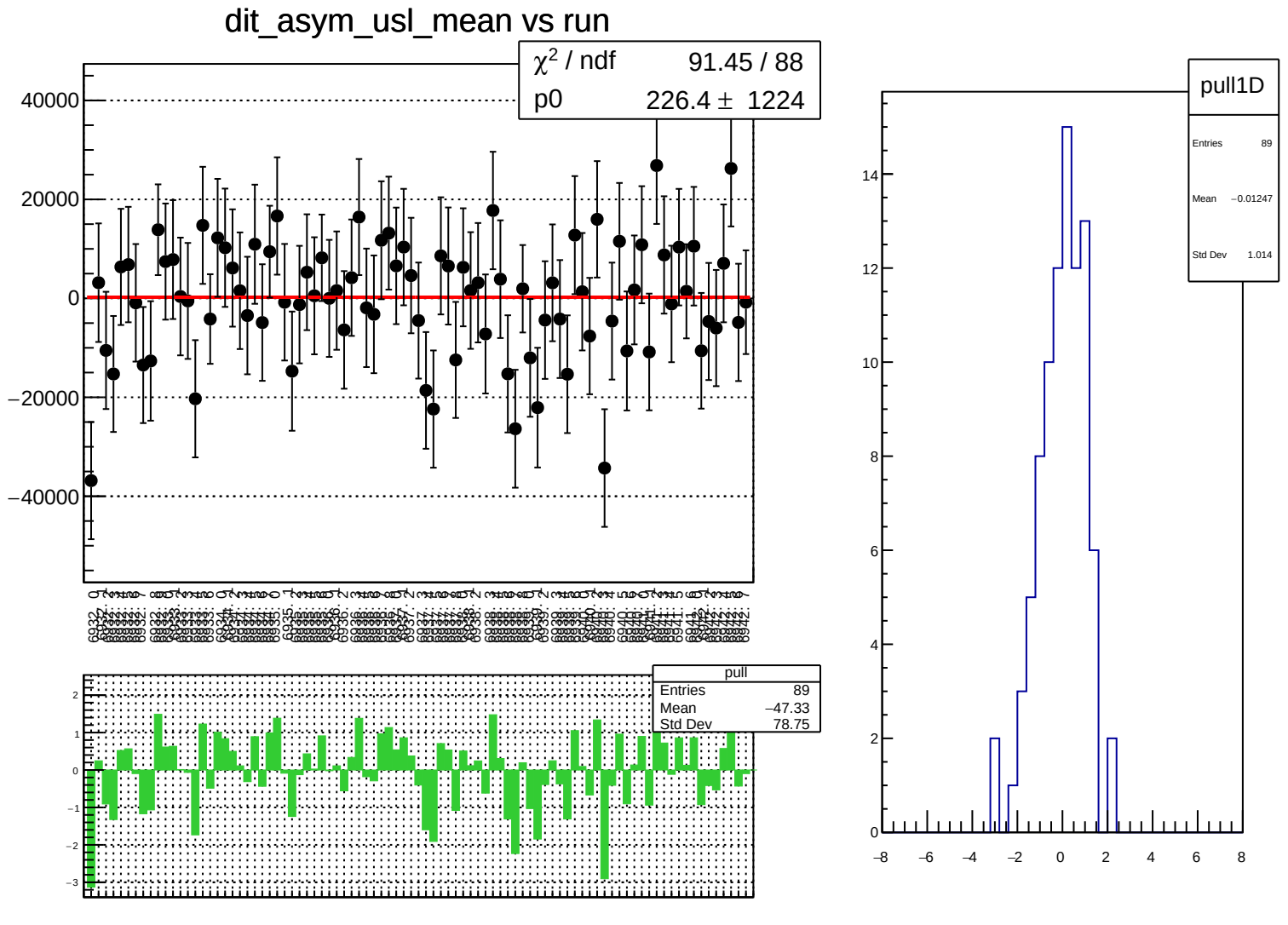
asym_us_dd_correction_rms vs run



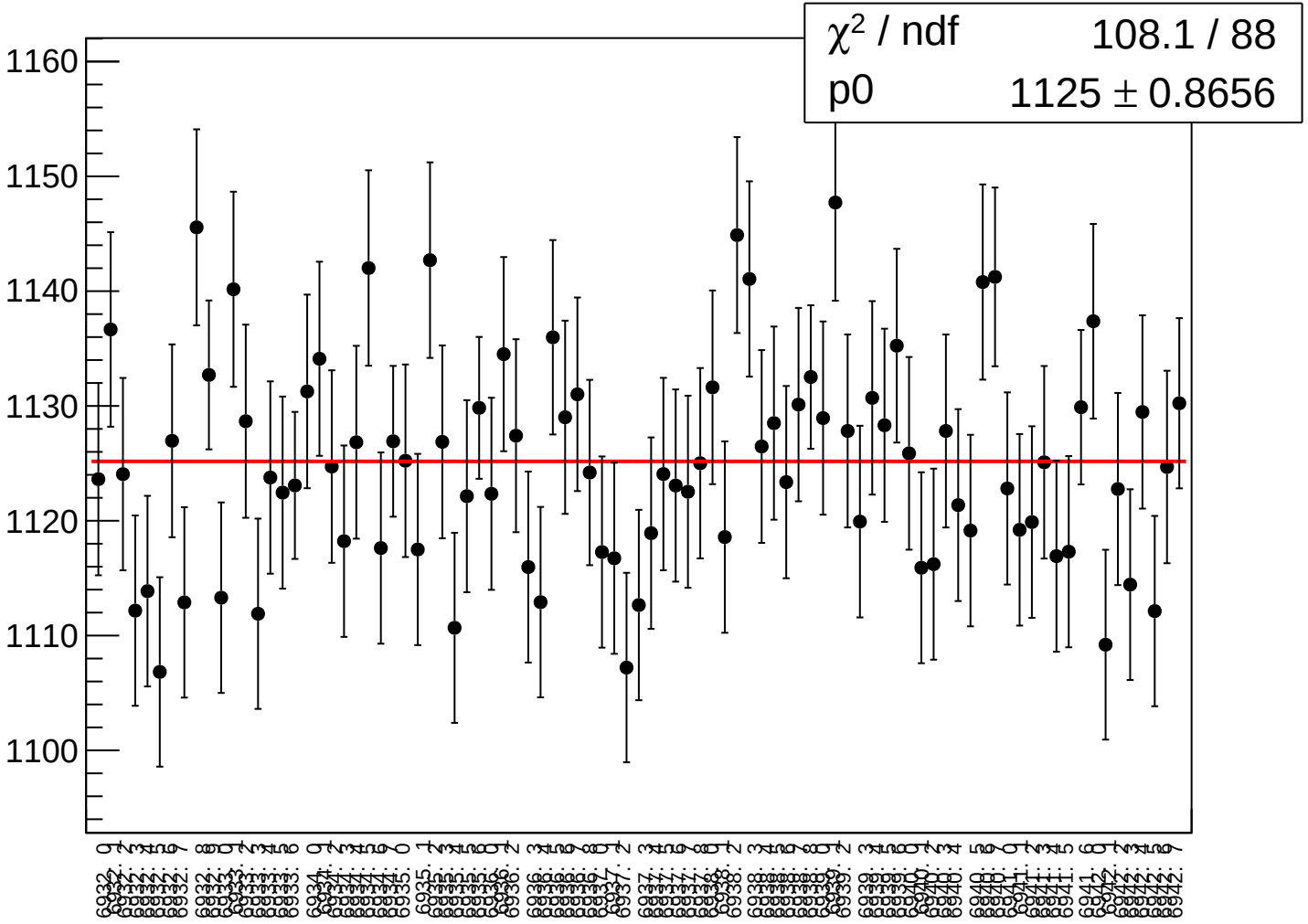

asym_us_dd_mean vs run
χ² / ndf 102.8 / 88
p0 633.7 ± 1080
pull
Entries 89
Mean 3312
Std Dev 3291
pull1D
Entries 89
Mean −0.0004929
Std Dev 1.075

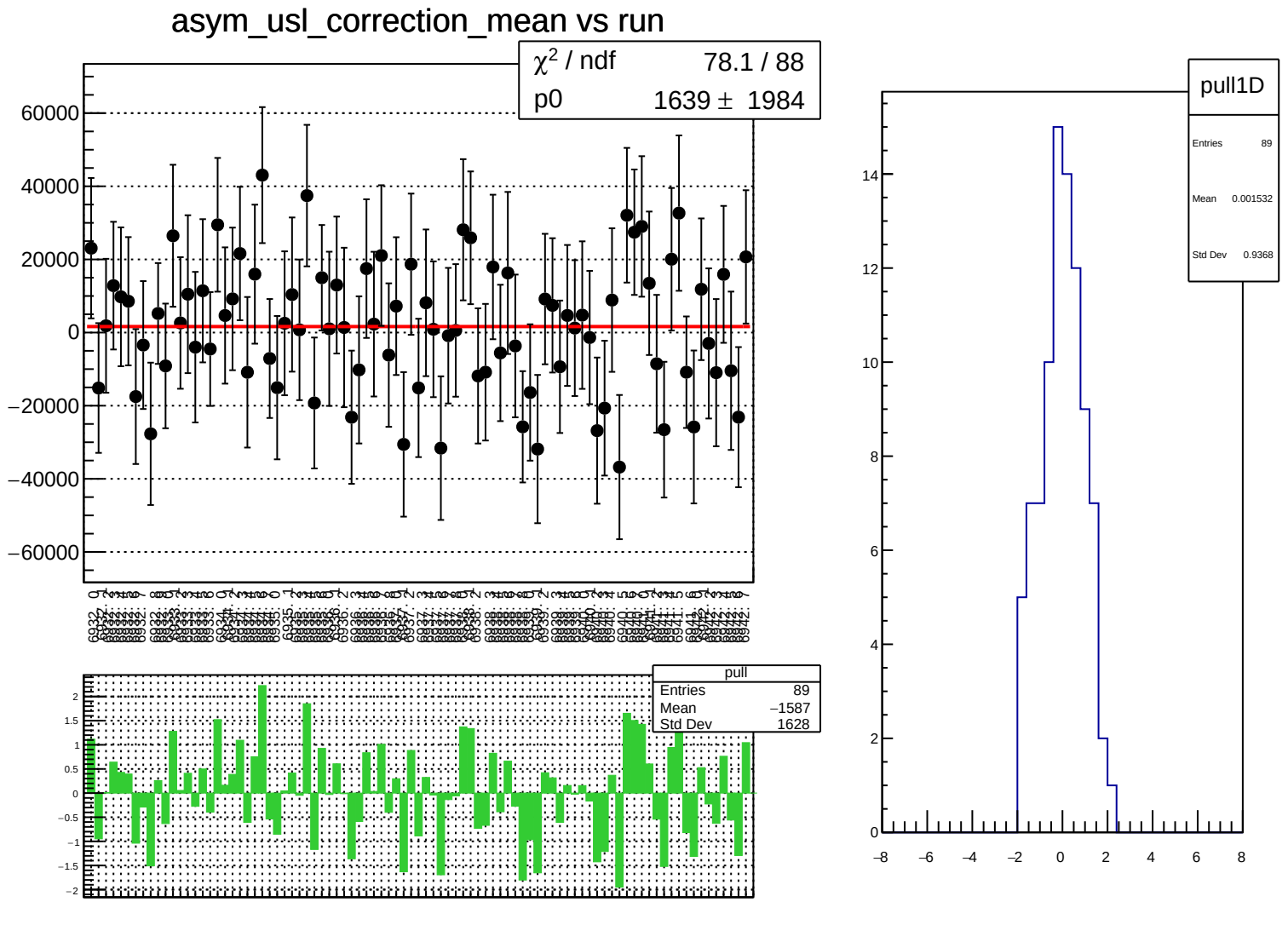
asym_us_dd_rms vs run

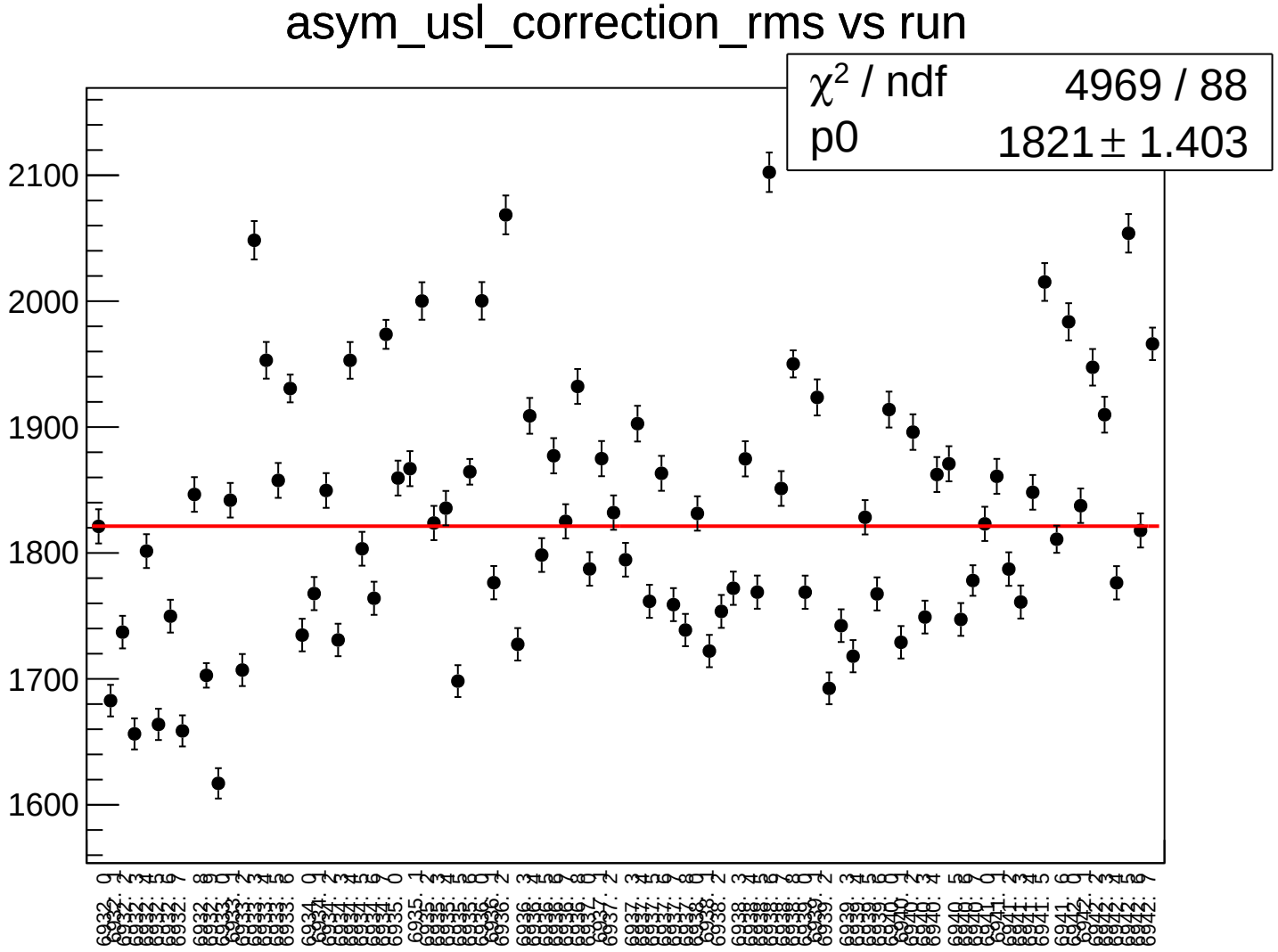


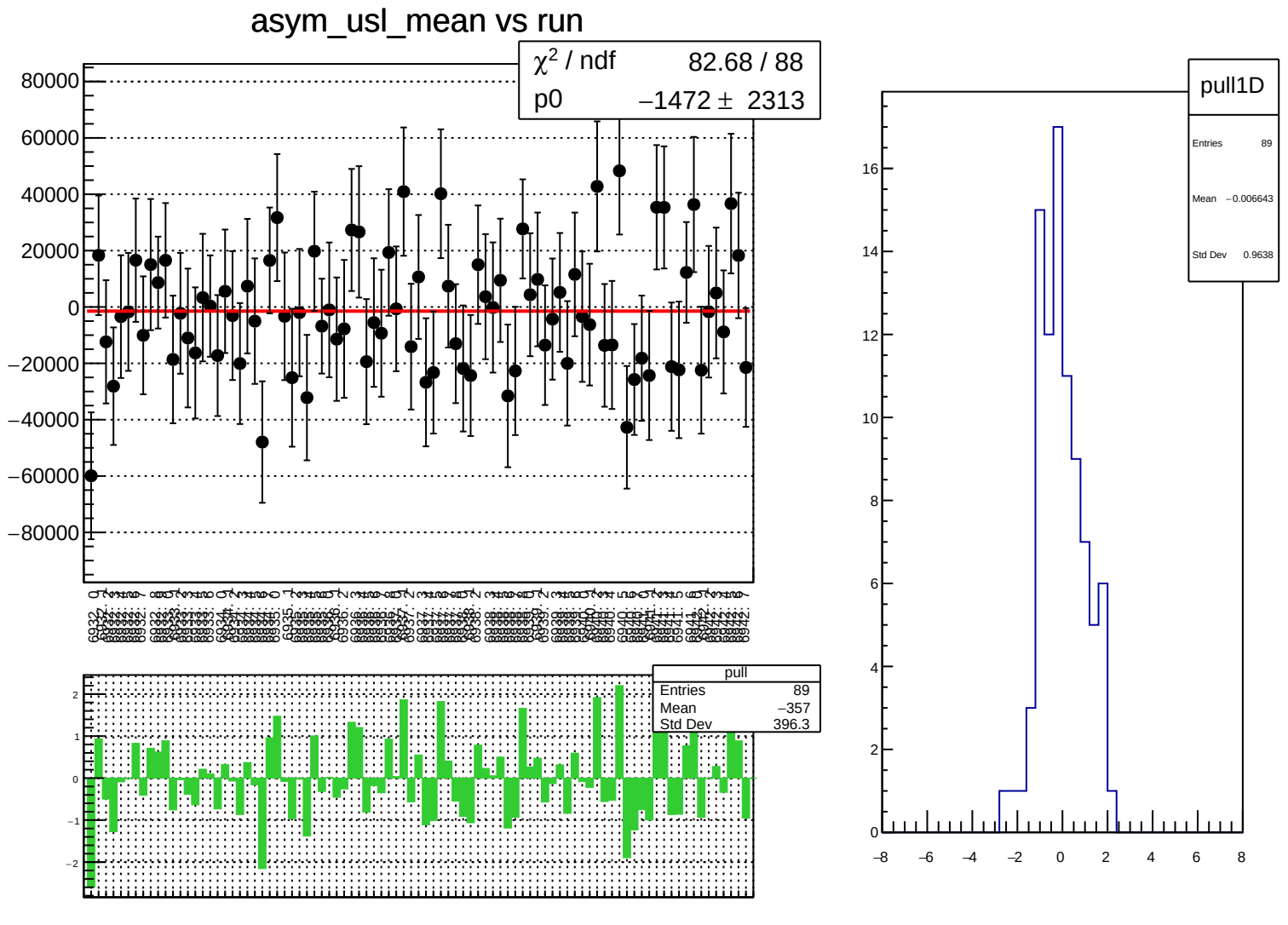

dit_asym_usl_mean vs run
χ^2 / ndf 91.45 / 88
p0 226.4 ± 1224
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −47.33
Std Dev 78.75
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.01247
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_usl_rms vs run

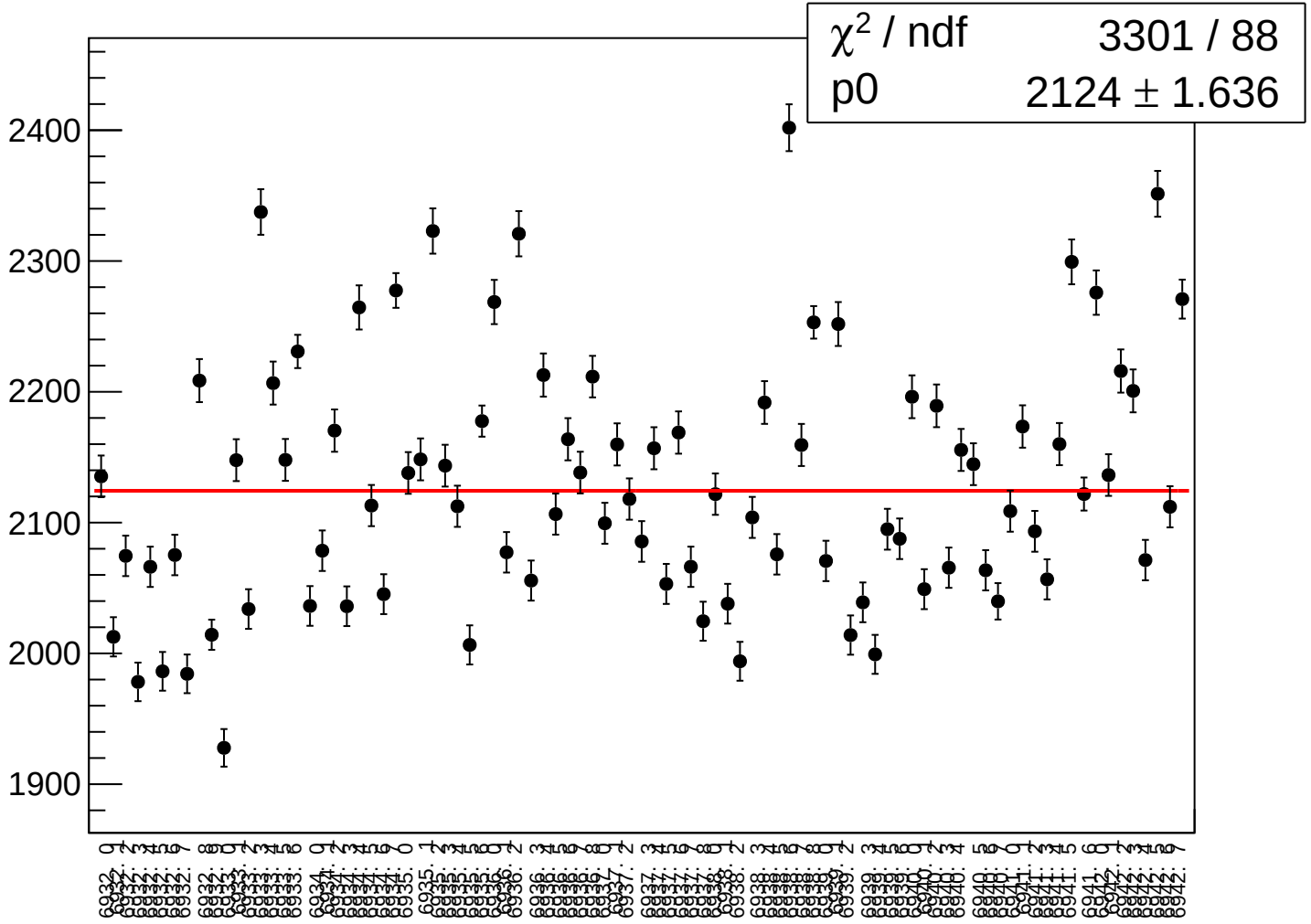


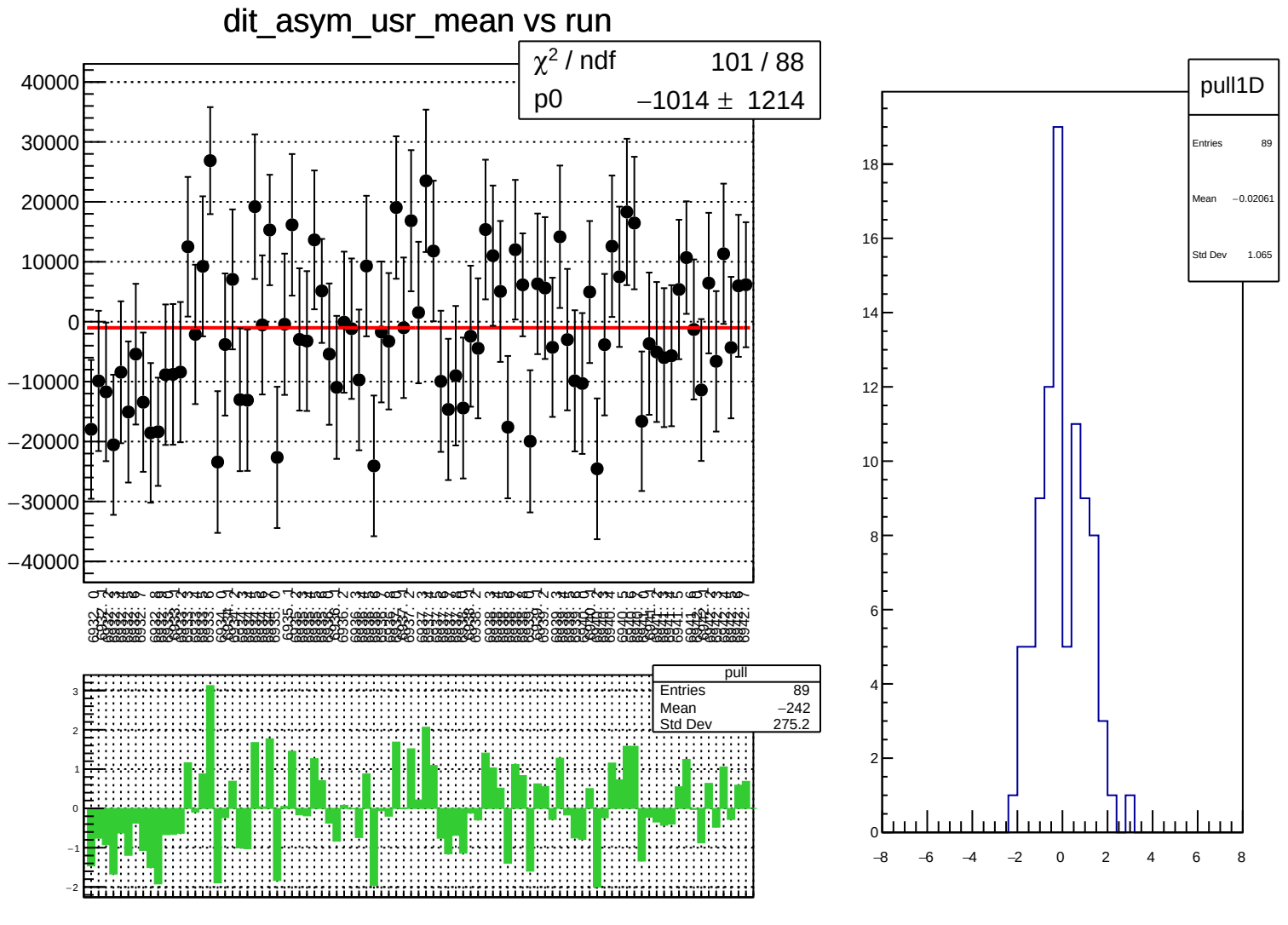

asym_usl_correction_mean vs run
χ² / ndf 78.1 / 88
p0 1639 ± 1984
pull
Entries 89
Mean −1587
Std Dev 1628
pull1D
Entries 89
Mean 0.001532
Std Dev 0.9368


asym_usl_correction_rms vs run
χ² / ndf 4969 / 88
p0 1821 ± 1.403
2100
2000
1900
1800
1700
1600

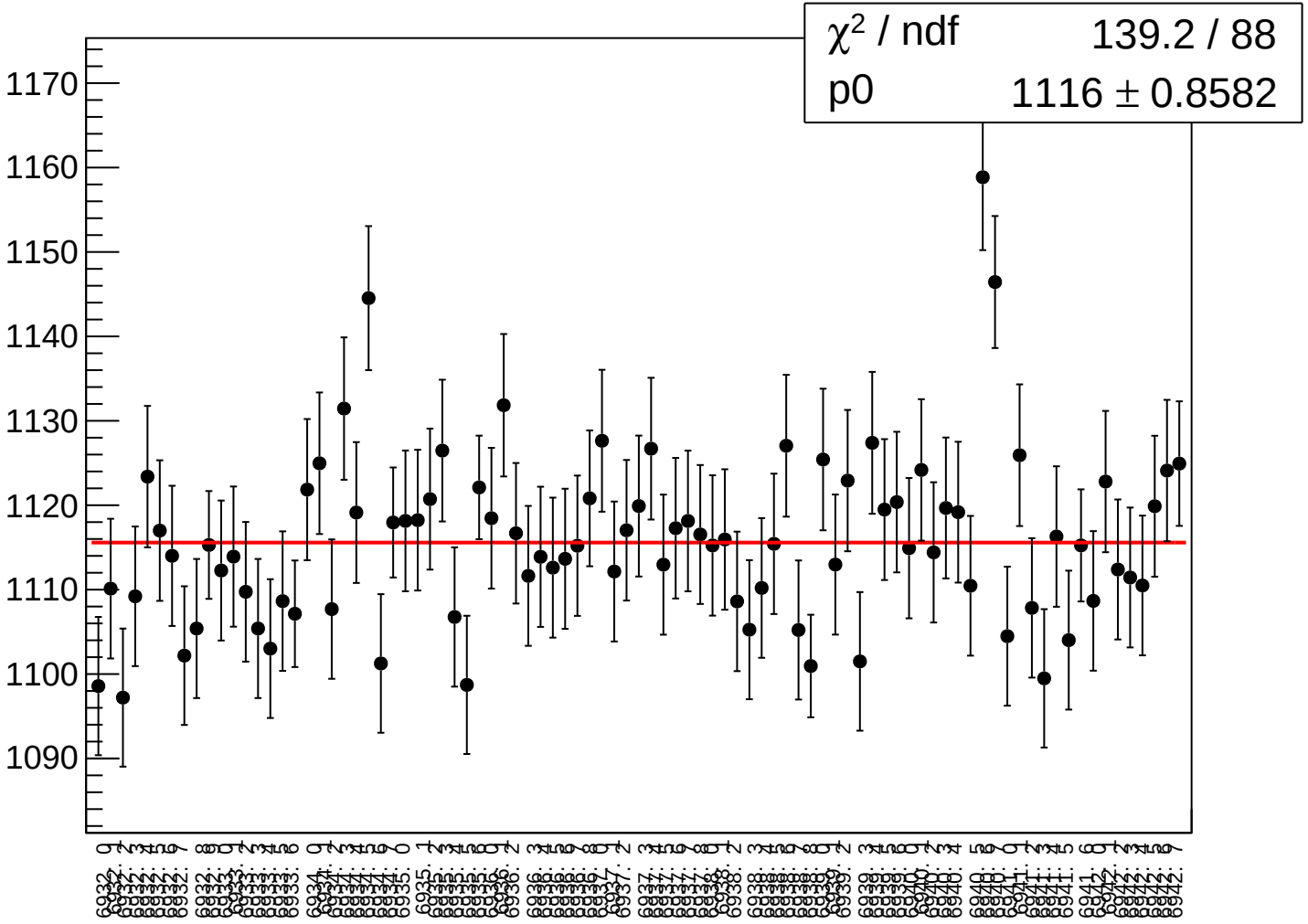

asym_usl_mean vs run
χ² / ndf 82.68 / 88
p0 −1472 ± 2313
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −357
Std Dev 396.3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.006643
Std Dev 0.9638
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

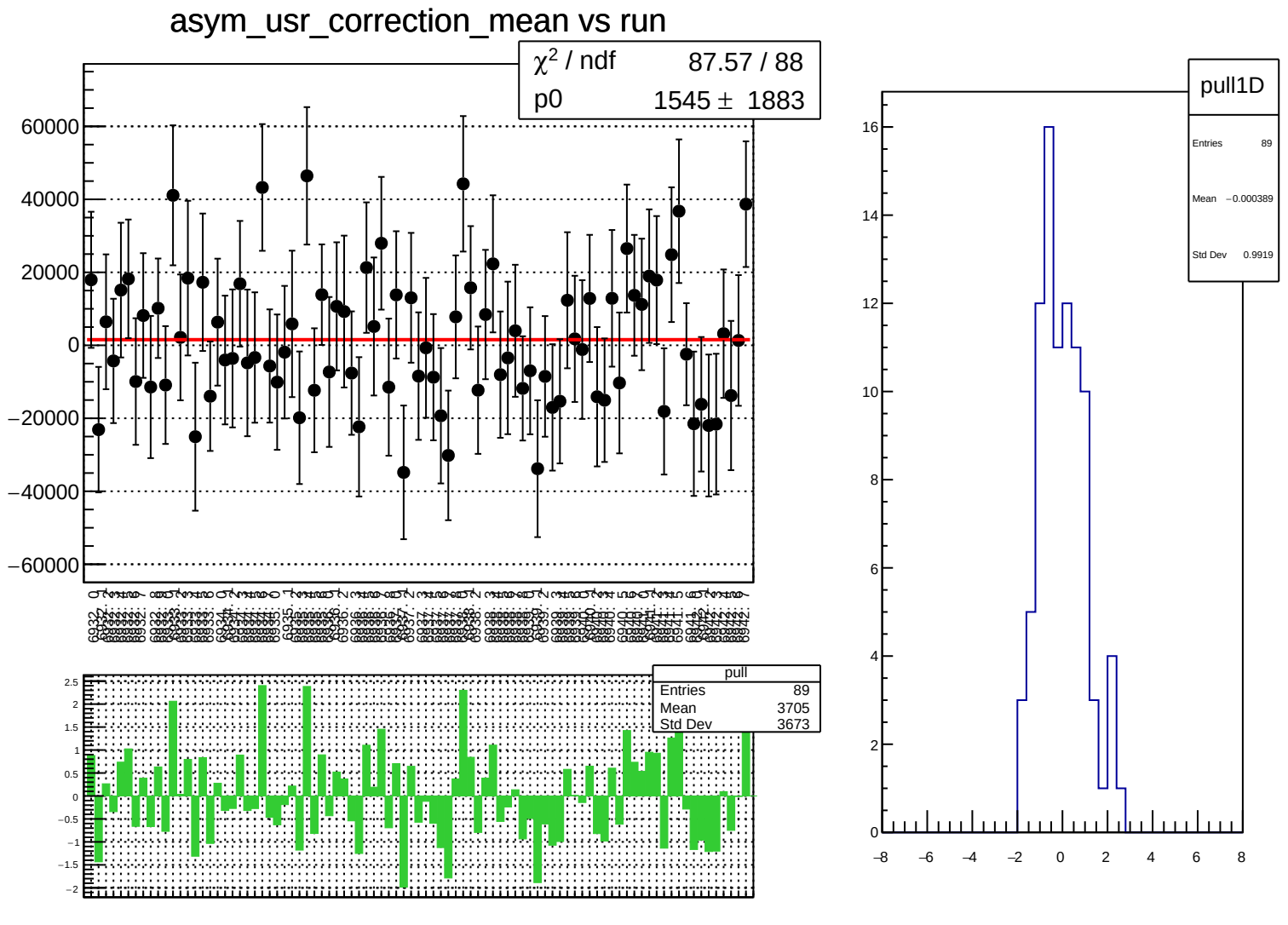
asym_usl_rms vs run

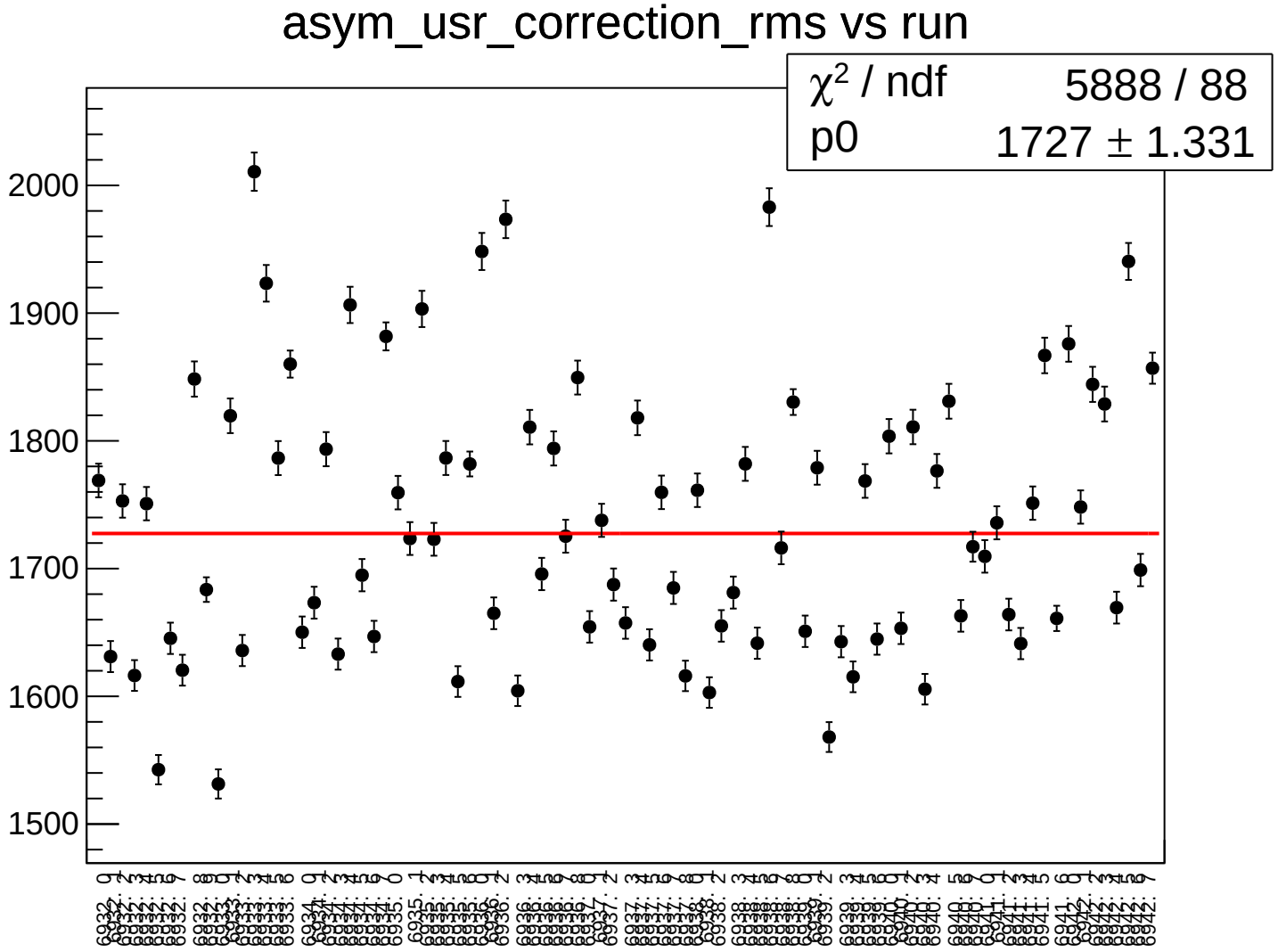


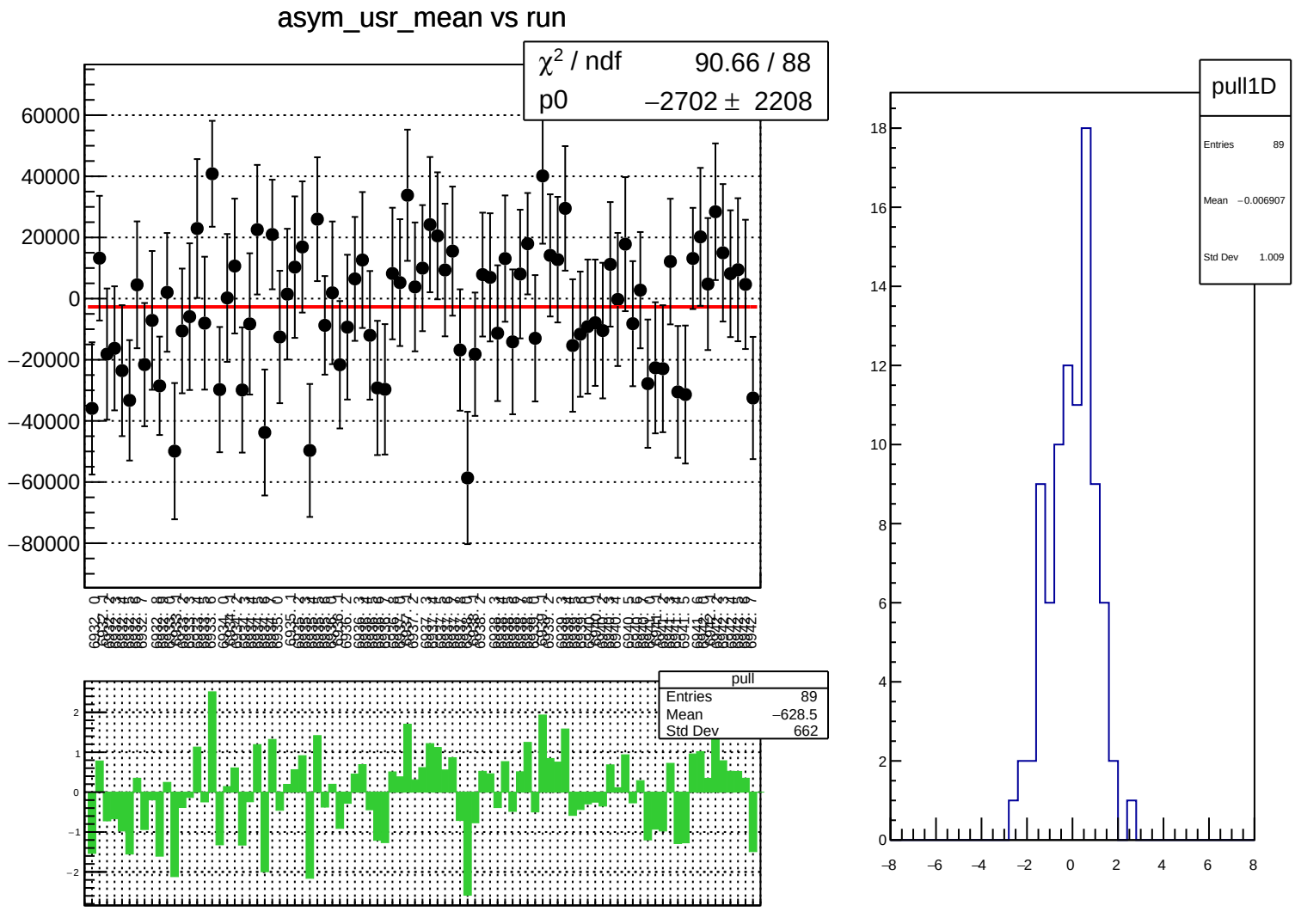

dit_asym_usr_mean vs run
χ² / ndf 101 / 88
p0 −1014 ± 1214
pull
Entries 89
Mean −242
Std Dev 275.2
pull1D
Entries 89
Mean −0.02061
Std Dev 1.065

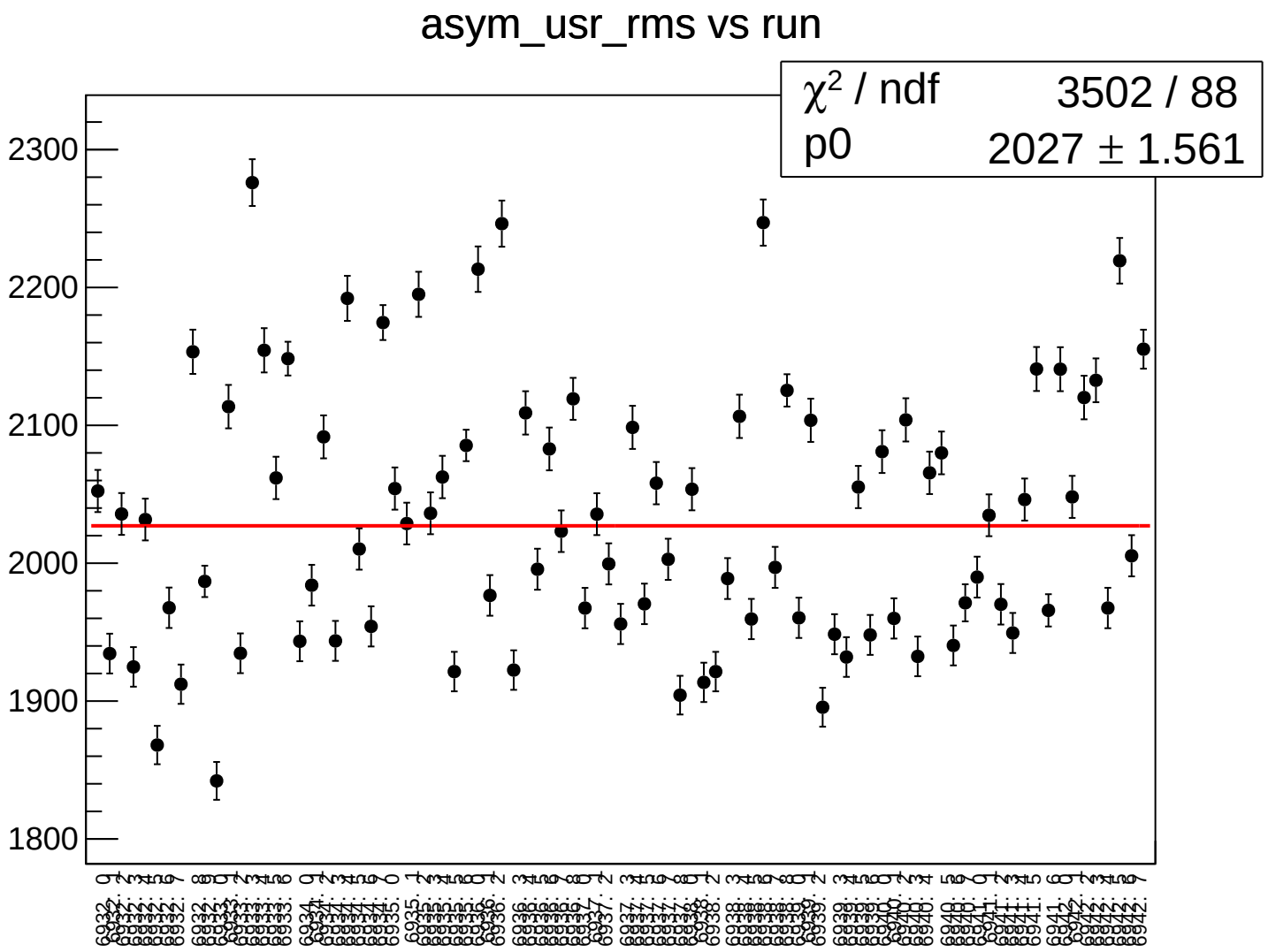
dit_asym_usr_rms vs run

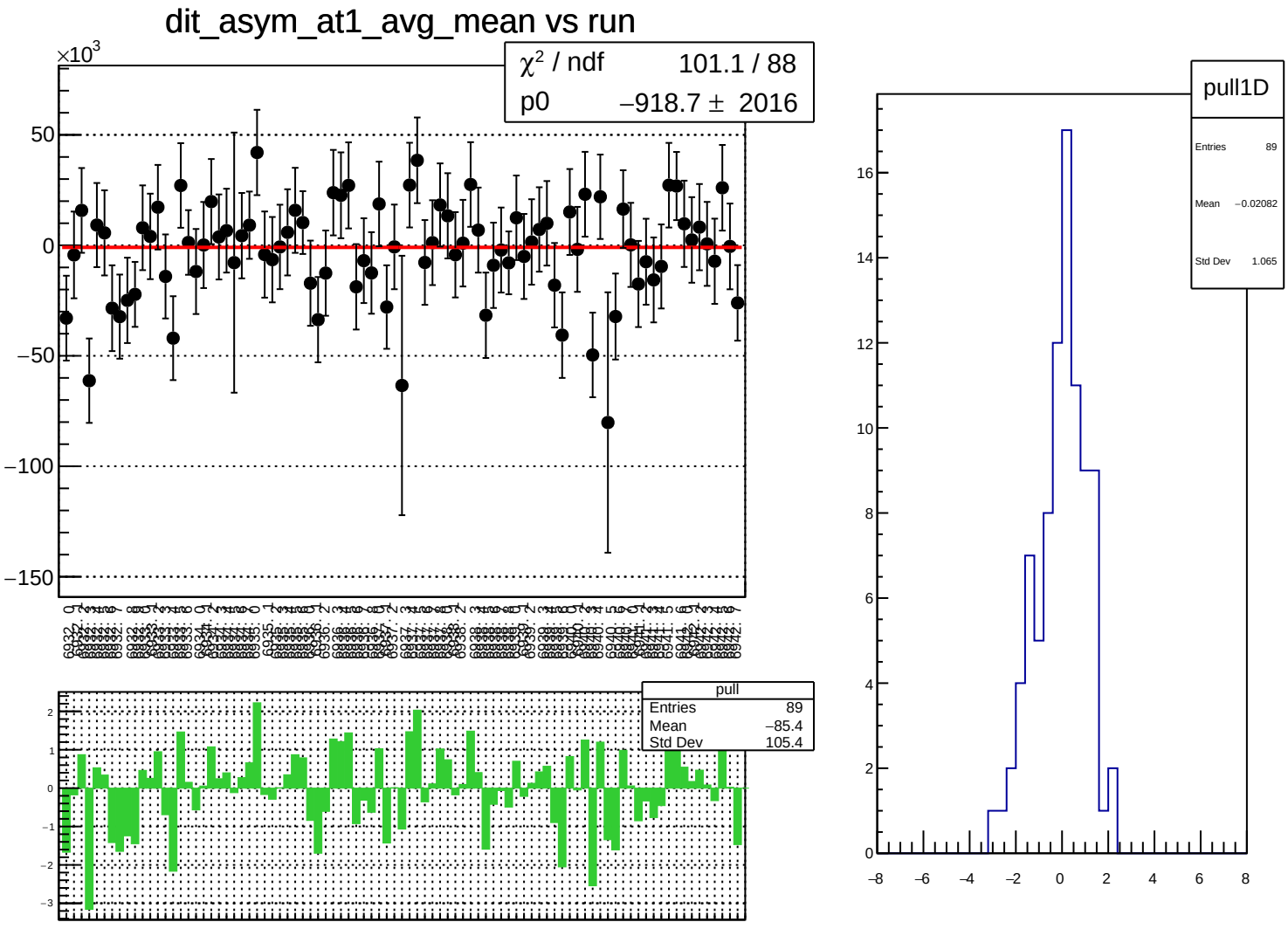



asym_usr_correction_mean vs run
χ² / ndf 87.57 / 88
p0 1545 ± 1883
pull
Entries 89
Mean 3705
Std Dev 3673
pull1D
Entries 89
Mean −0.000389
Std Dev 0.9919

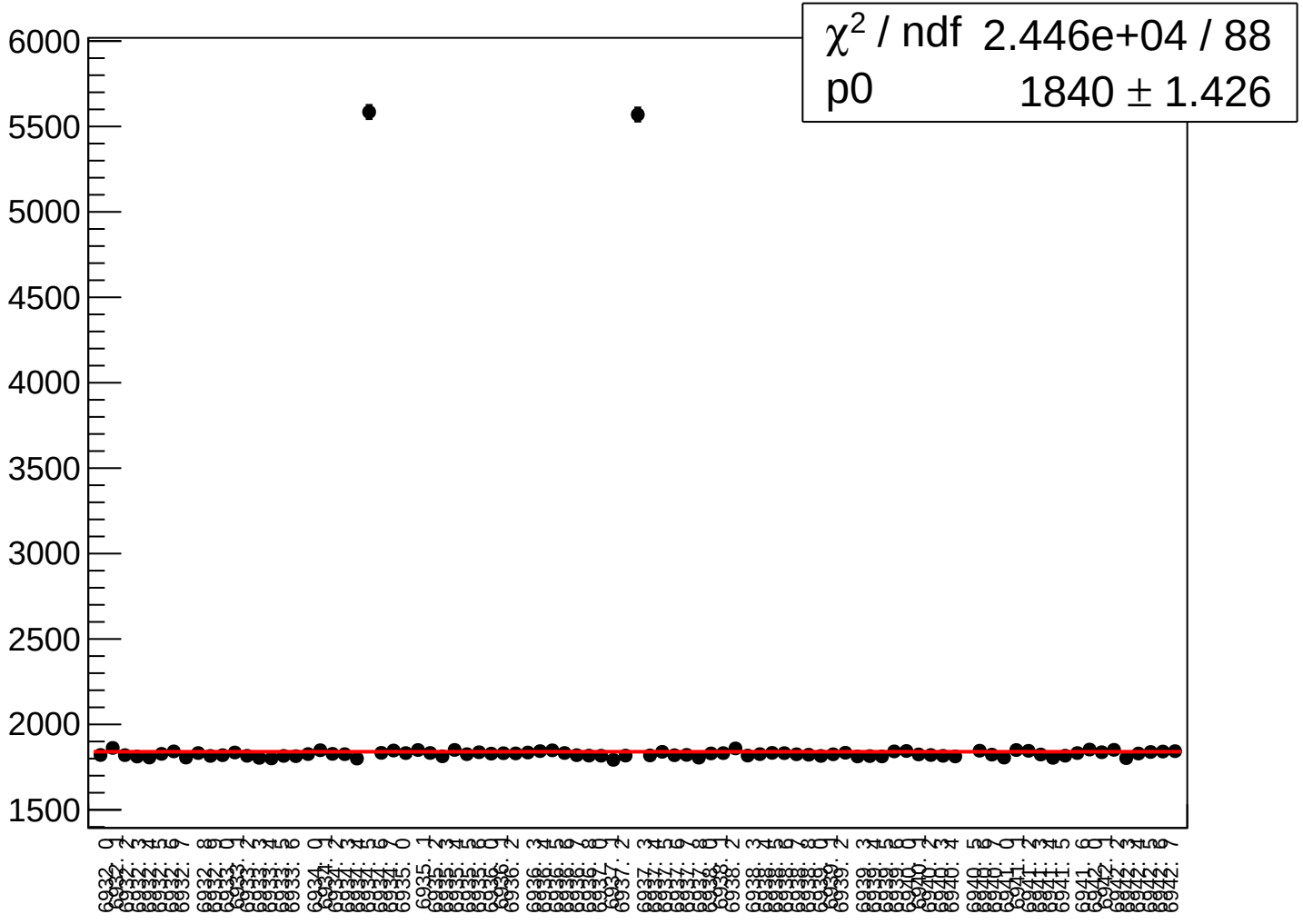

asym_usr_correction_rms vs run
χ² / ndf 5888 / 88
p0 1727 ± 1.331
2000
1900
1800
1700
1600
1500

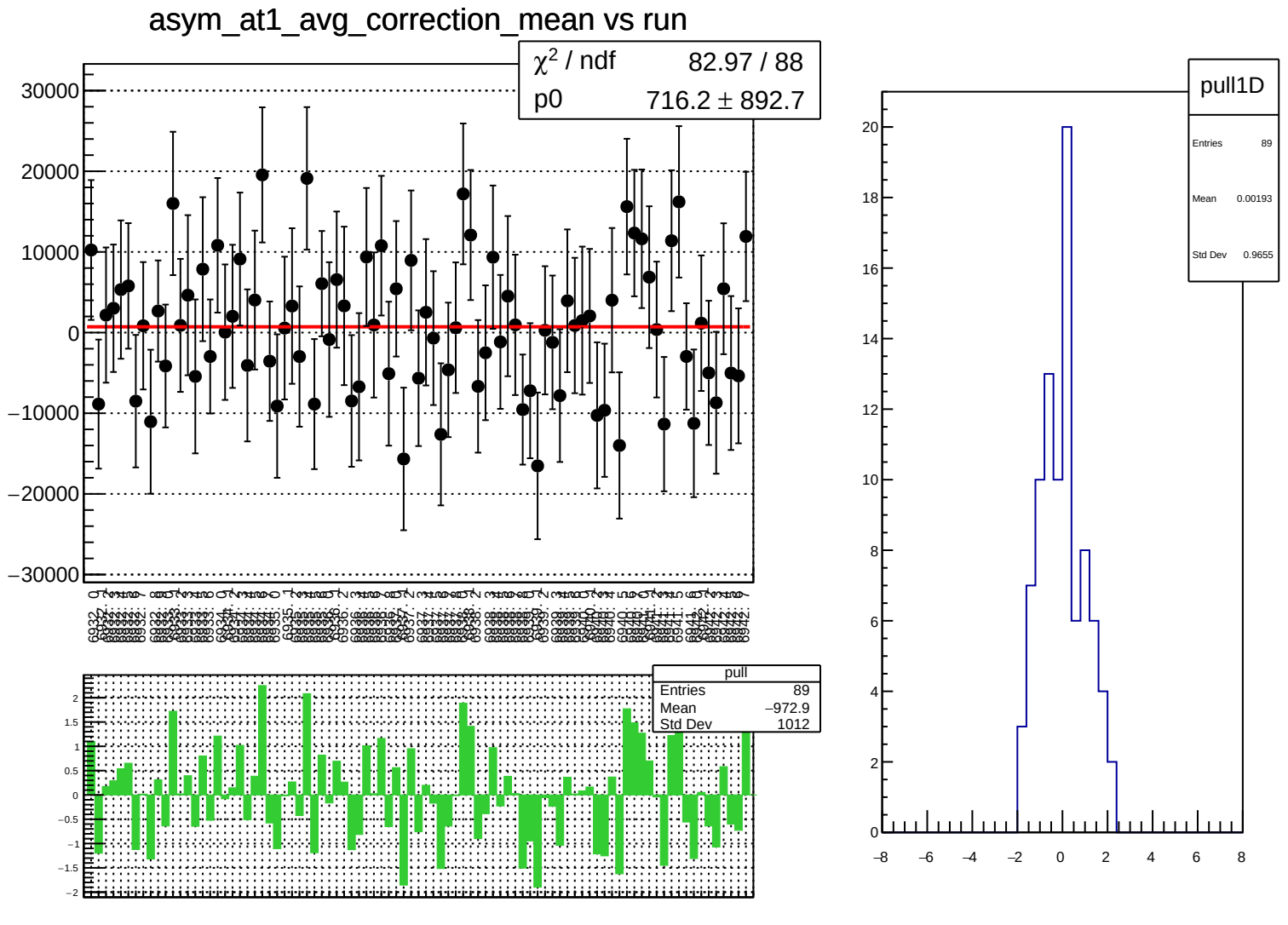

asym_usr_mean vs run
χ² / ndf 90.66 / 88
p0 −2702 ± 2208
pull
Entries 89
Mean −628.5
Std Dev 662
pull1D
Entries 89
Mean −0.006907
Std Dev 1.009


asym_usr_rms vs run
χ² / ndf 3502 / 88
p0 2027 ± 1.561
2300
2200
2100
2000
1900
1800

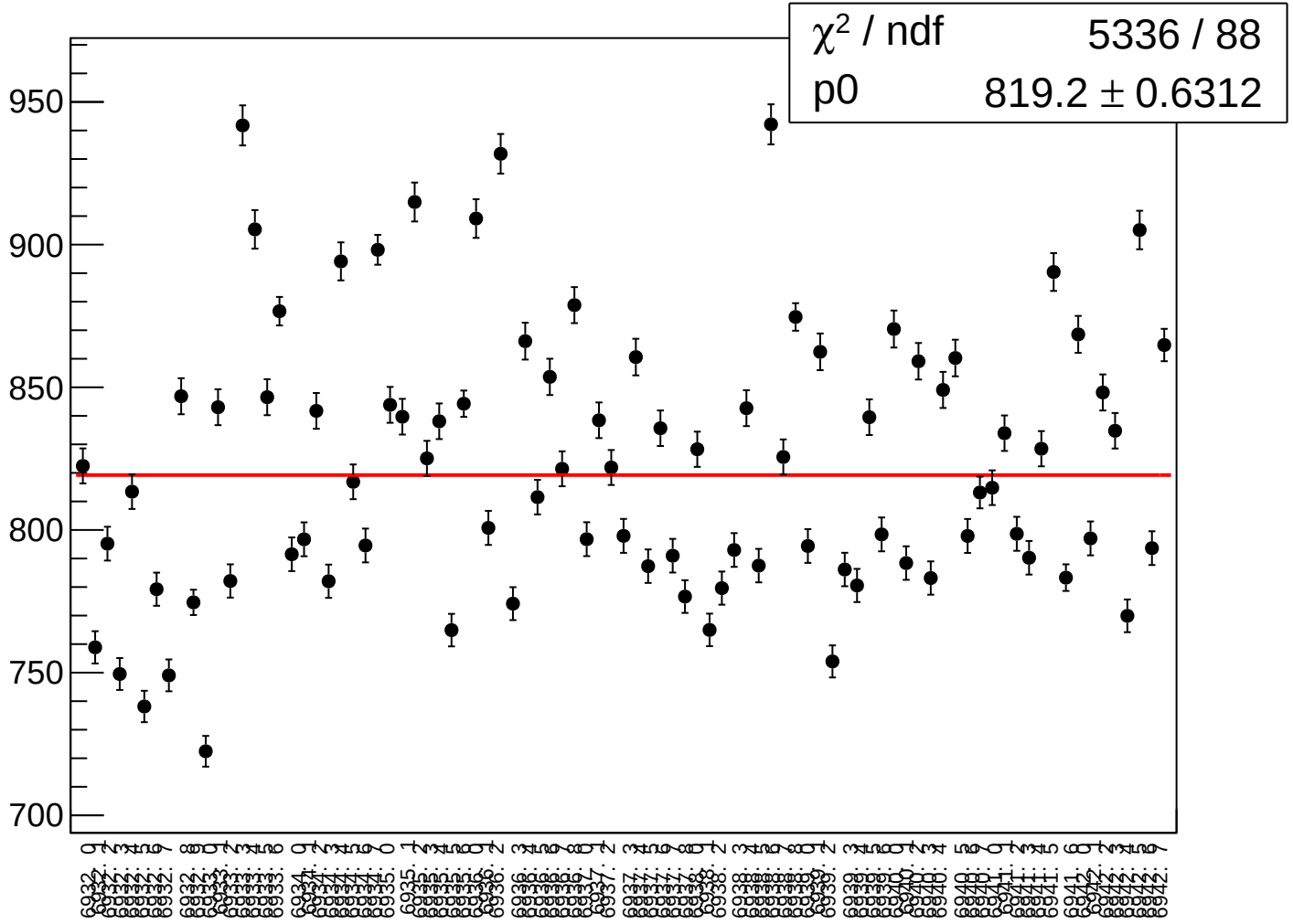

dit_asym_at1_avg_mean vs run
χ^2 / ndf 101.1 / 88
p0 −918.7 ± 2016
×10^3
50
0
−50
−100
−150
pull
Entries 89
Mean −85.4
Std Dev 105.4
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.02082
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

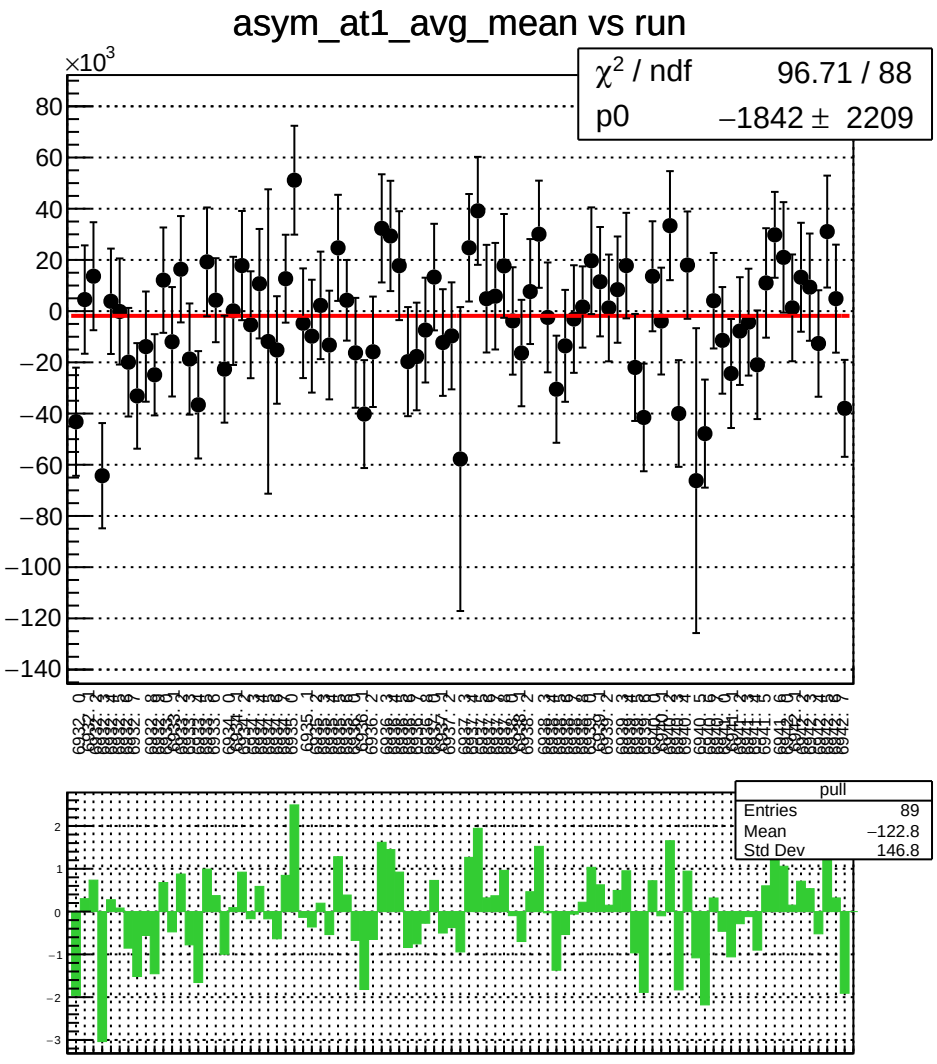
dit_asym_at1_avg_rms vs run

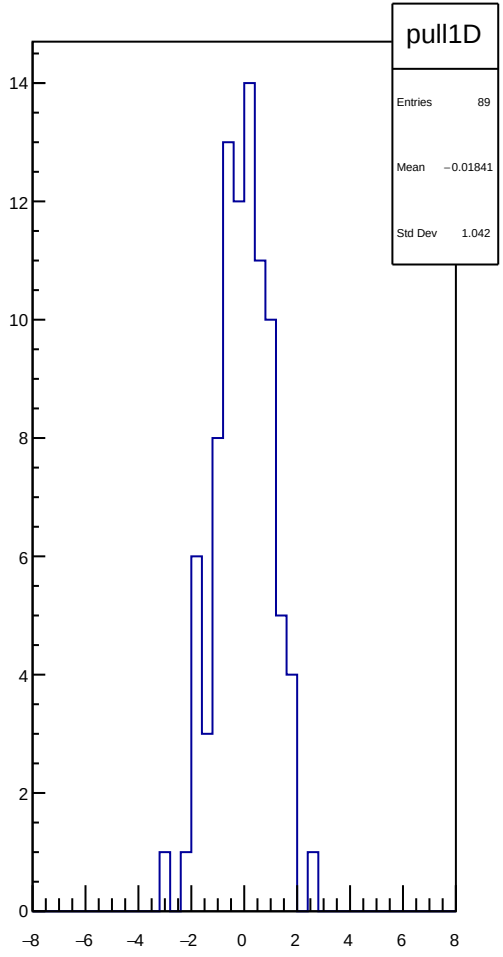


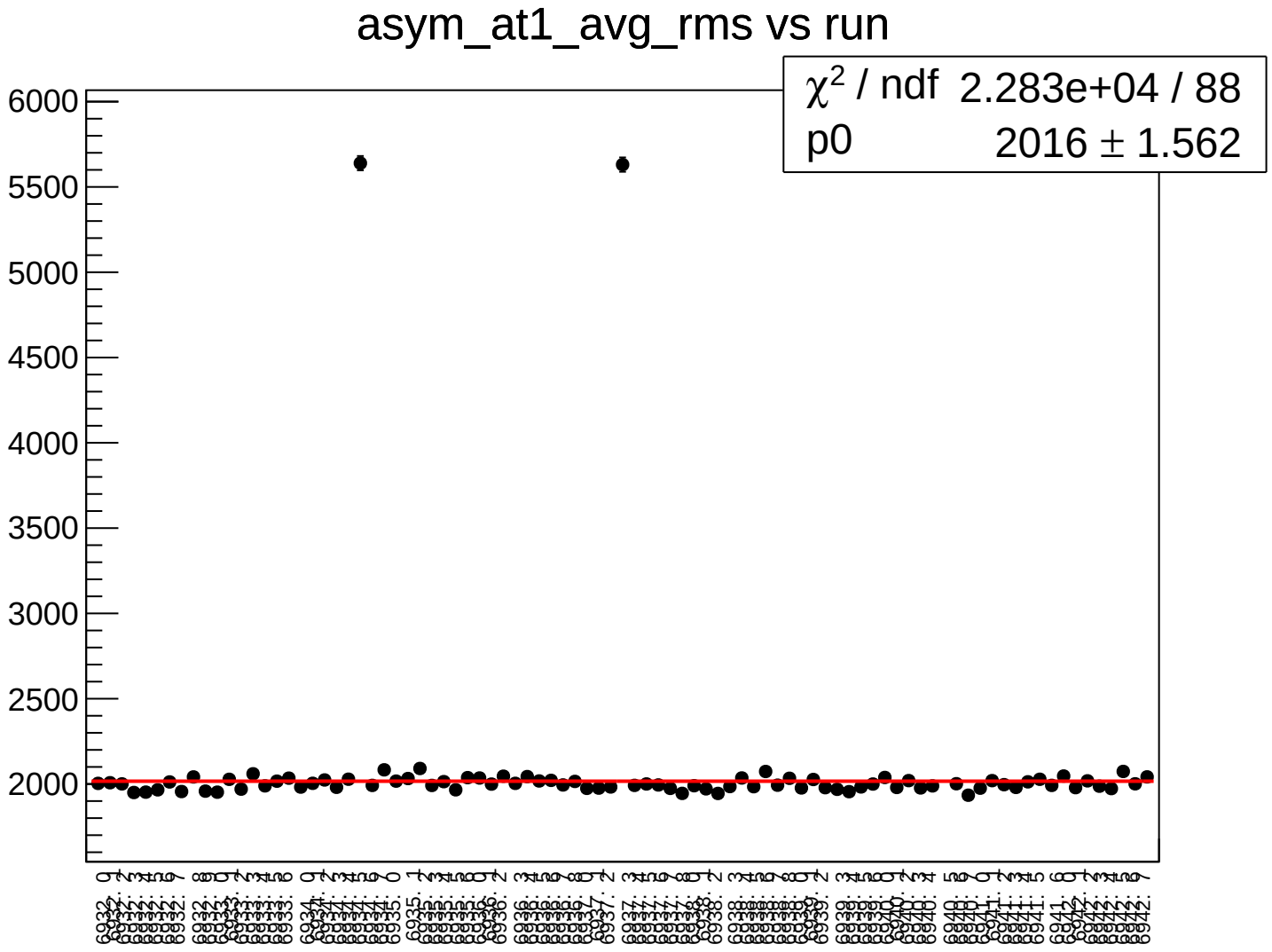

asym_at1_avg_correction_mean vs run
χ² / ndf 82.97 / 88
p0 716.2 ± 892.7
pull
Entries 89
Mean −972.9
Std Dev 1012
pull1D
Entries 89
Mean 0.00193
Std Dev 0.9655

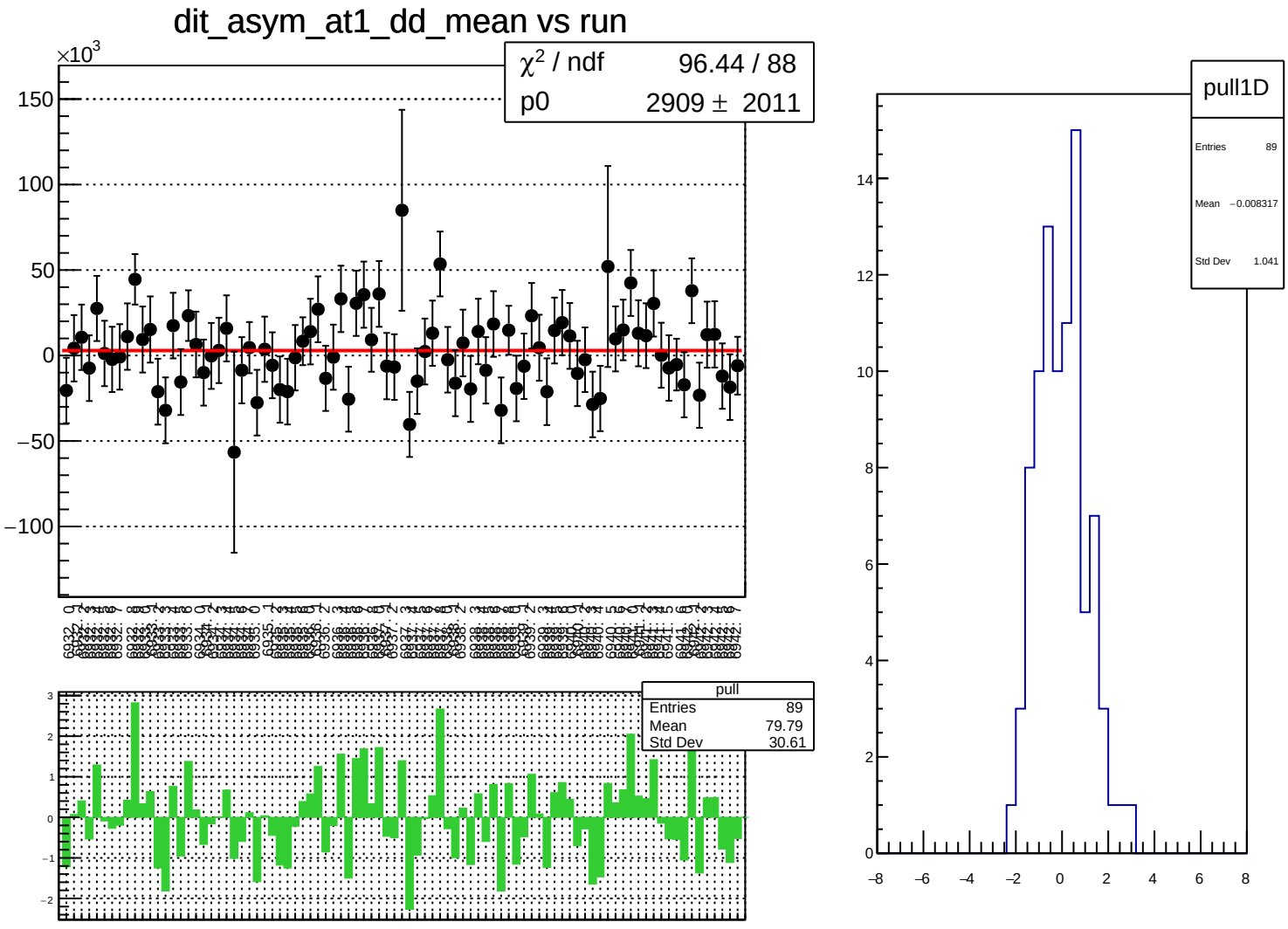
asym_at1_avg_correction_rms vs run

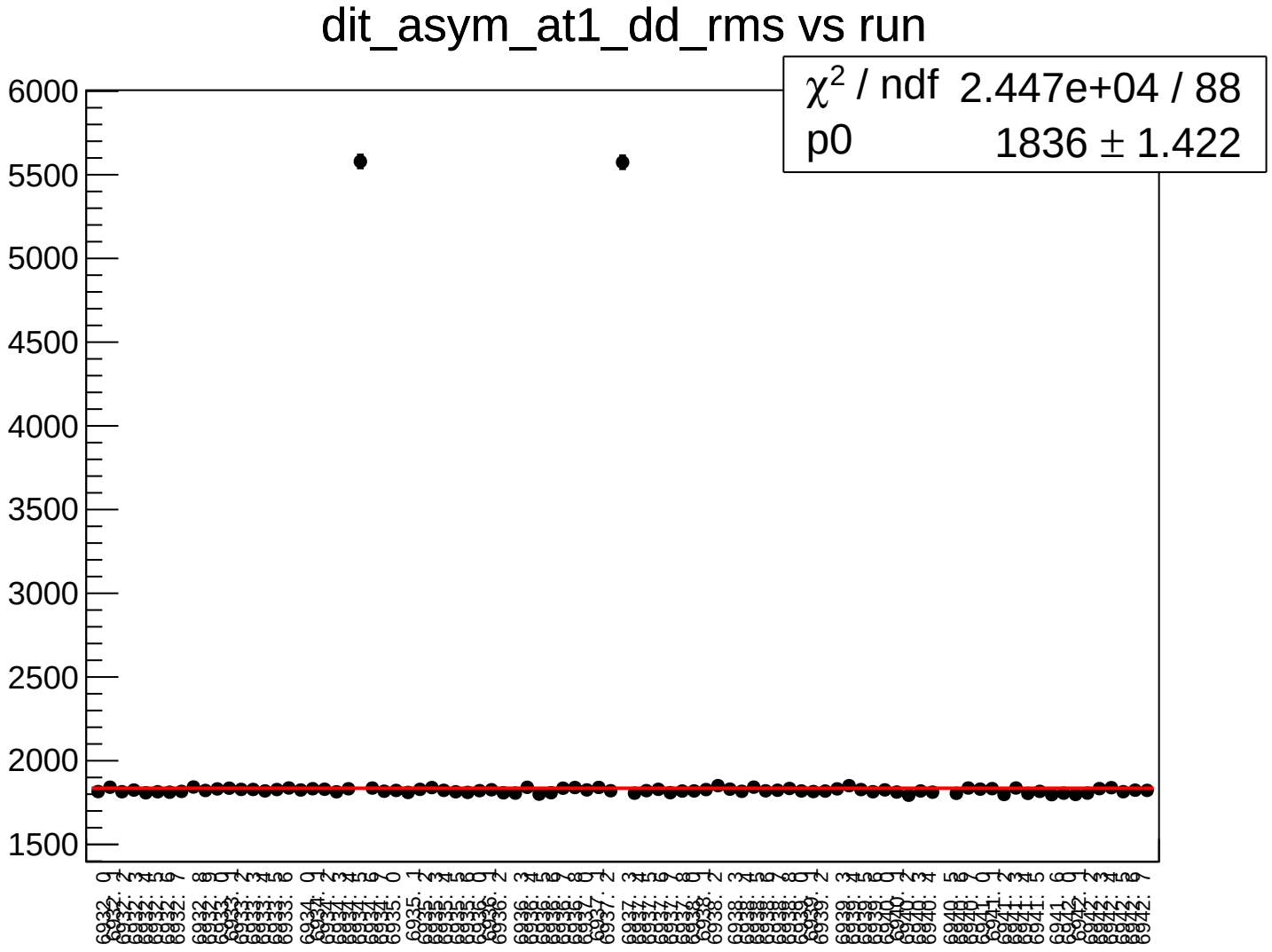


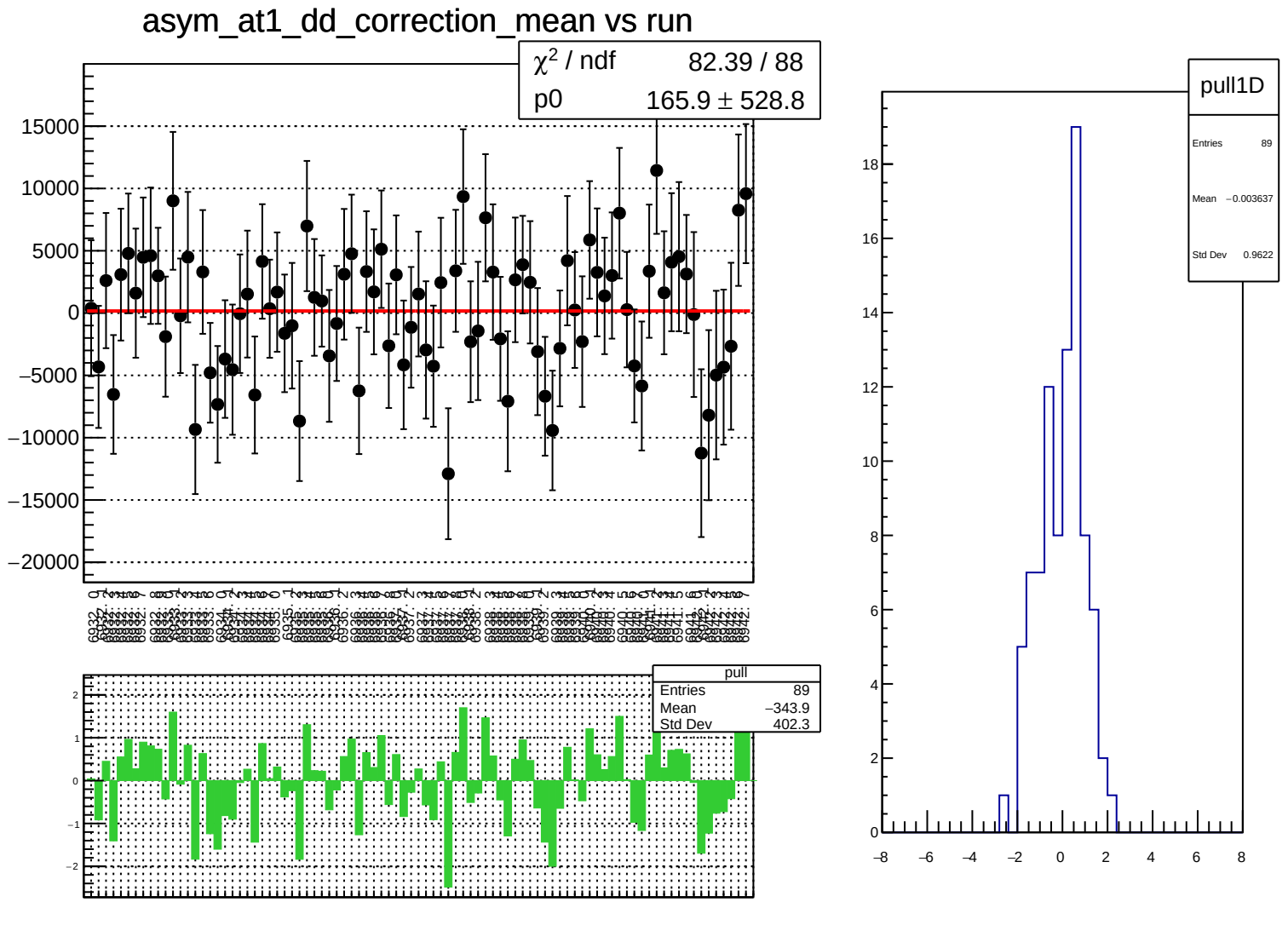

asym_at1_avg_mean vs run
×10^3
χ² / ndf 96.71 / 88
p0 −1842 ± 2209
pull
Entries 89
Mean −122.8
Std Dev 146.8


pull1D
Entries 89
Mean −0.01841
Std Dev 1.042

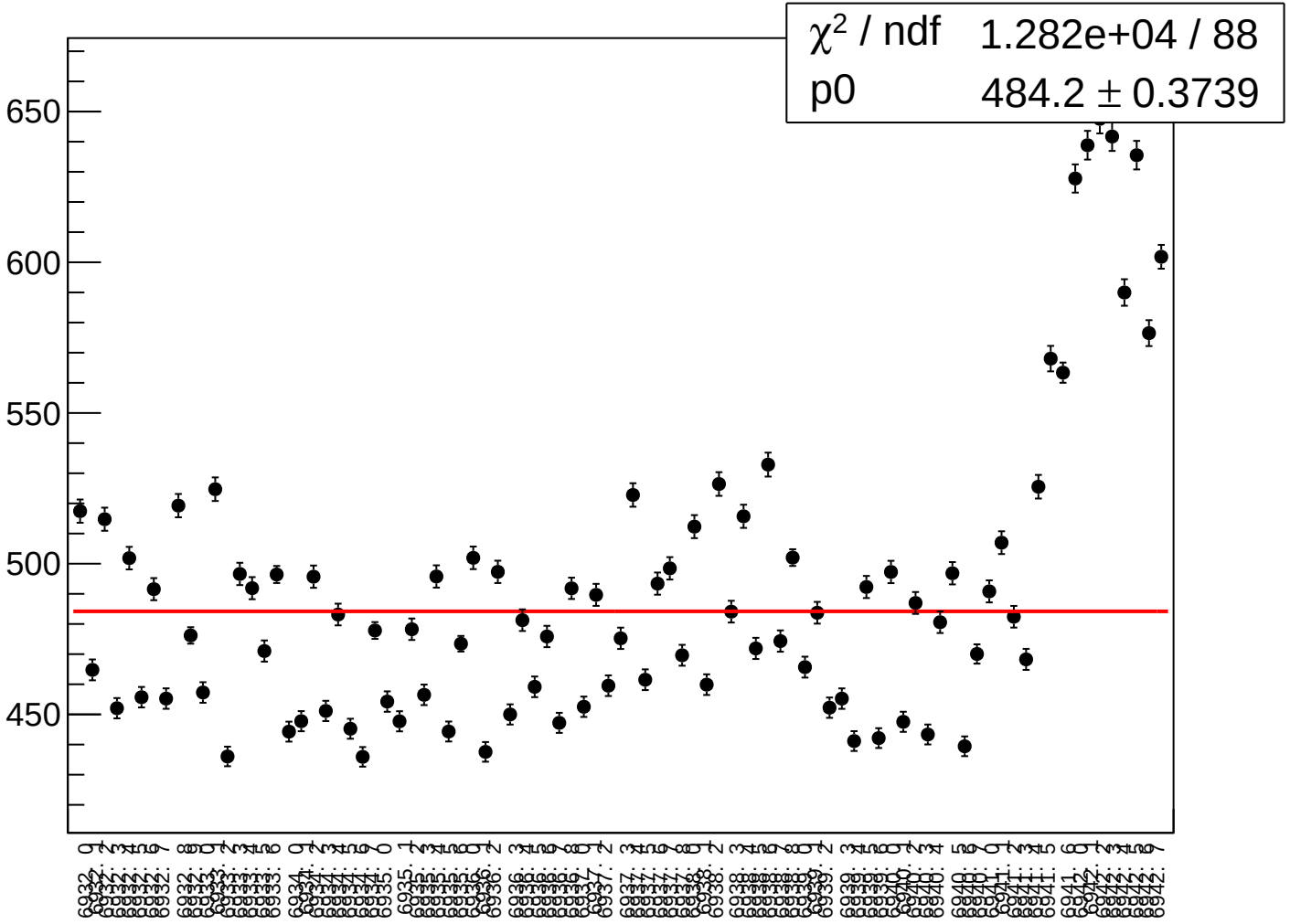

asym_at1_avg_rms vs run
χ² / ndf 2.283e+04 / 88
p0 2016 ± 1.562
6000
5500
5000
4500
4000
3500
3000
2500
2000

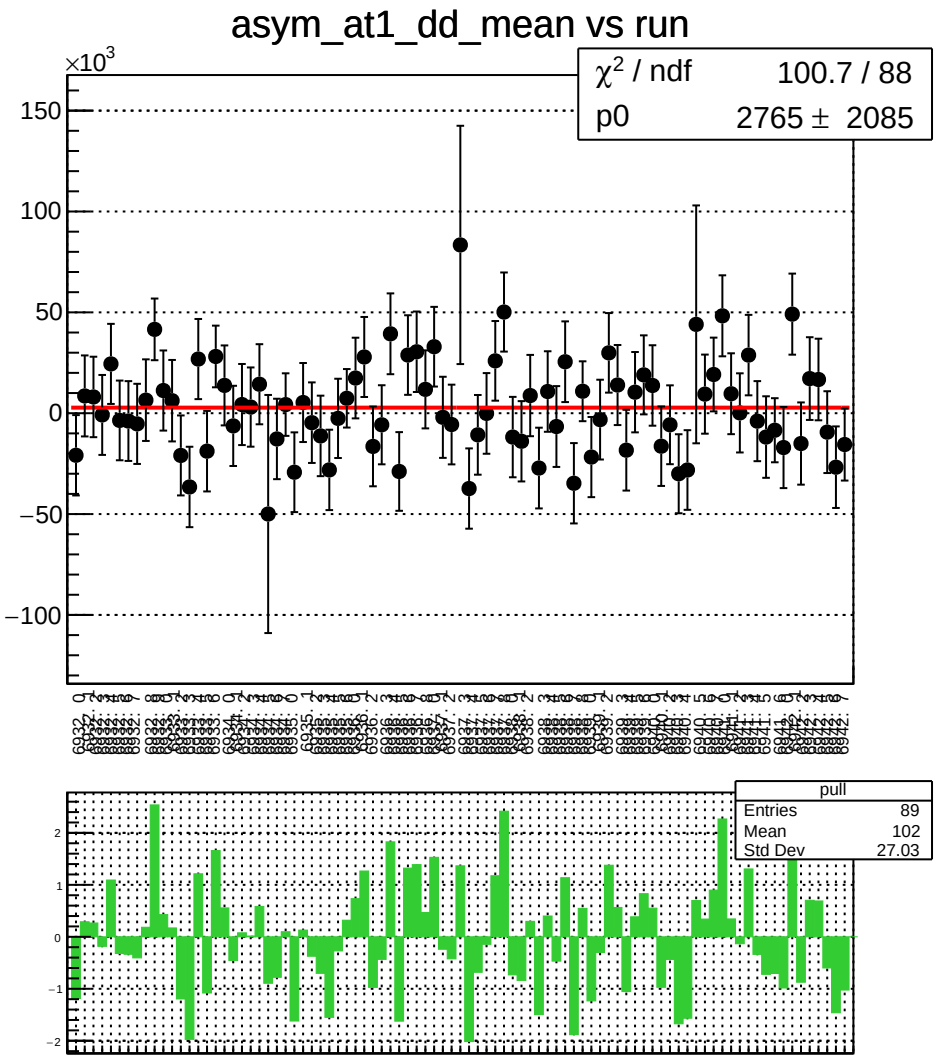

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 96.44 / 88
p0 2909 ± 2011
pull
Entries 89
Mean 79.79
Std Dev 30.61
pull1D
Entries 89
Mean −0.008317
Std Dev 1.041

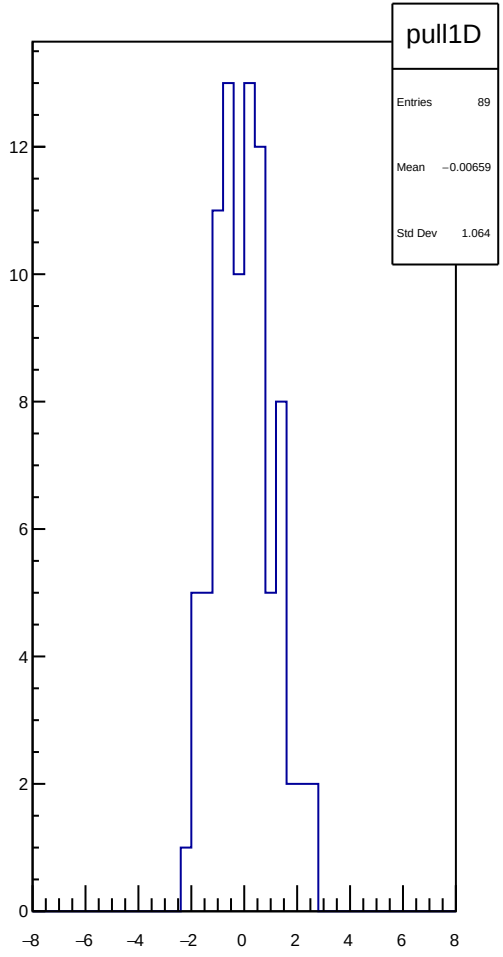

dit_asym_at1_dd_rms vs run
χ² / ndf 2.447e+04 / 88
p0 1836 ± 1.422
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

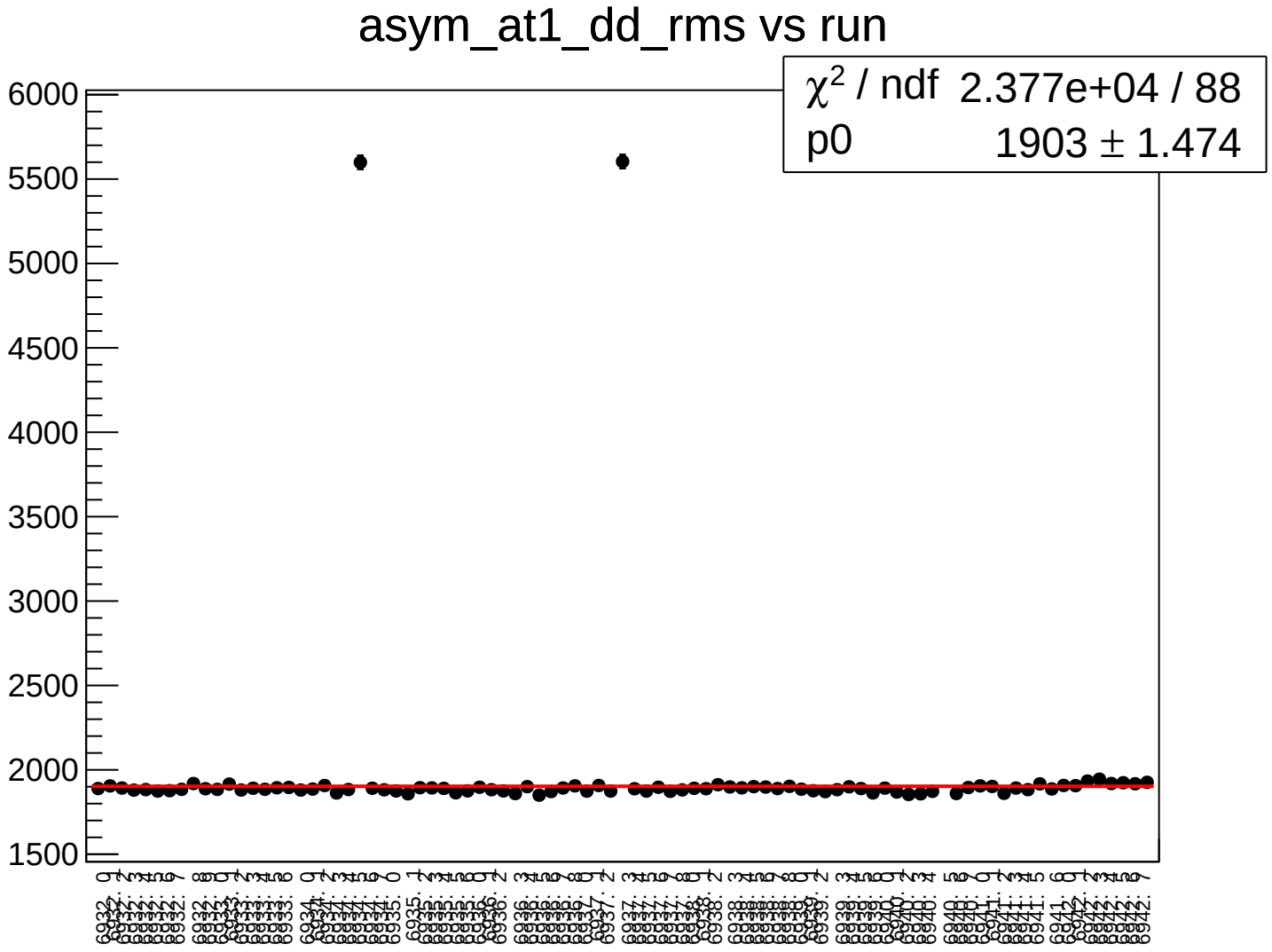

asym_at1_dd_correction_mean vs run
χ² / ndf 82.39 / 88
p0 165.9 ± 528.8
pull
Entries 89
Mean −343.9
Std Dev 402.3
pull1D
Entries 89
Mean −0.003637
Std Dev 0.9622

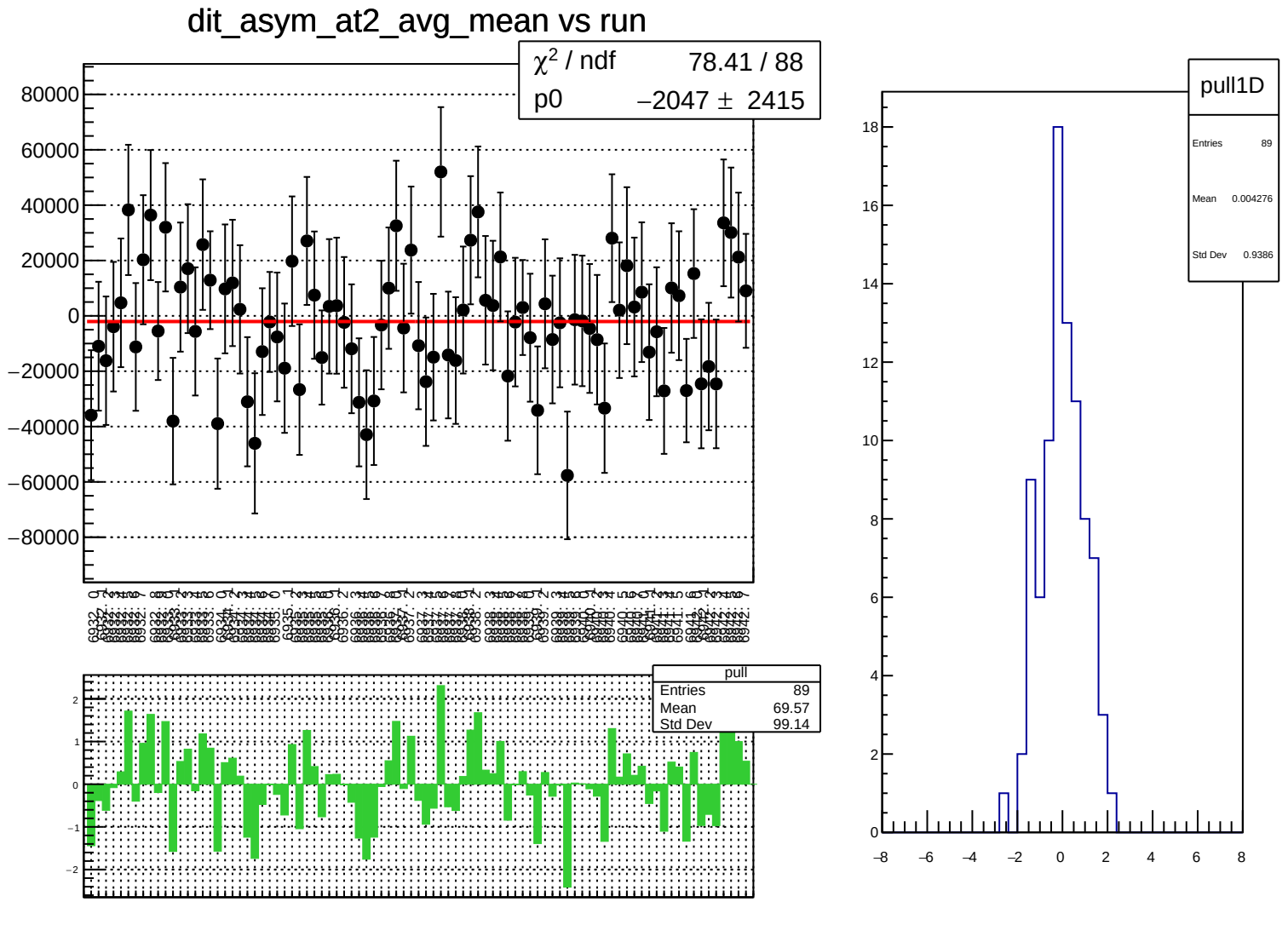
asym_at1_dd_correction_rms vs run



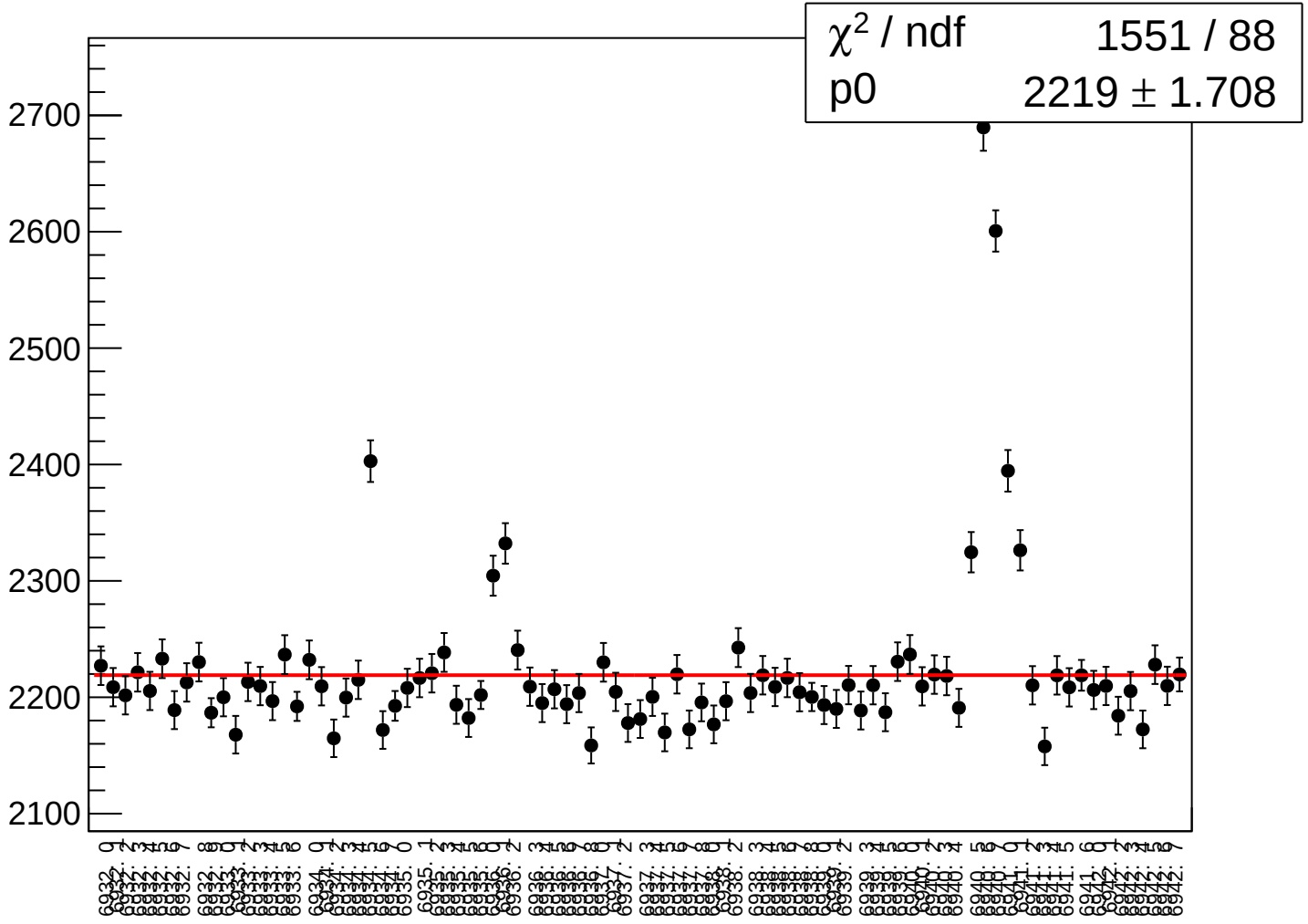

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 100.7 / 88
p0 2765 ± 2085
150
100
50
0
−50
−100
pull
Entries 89
Mean 102
Std Dev 27.03
2
1
0
−1
−2

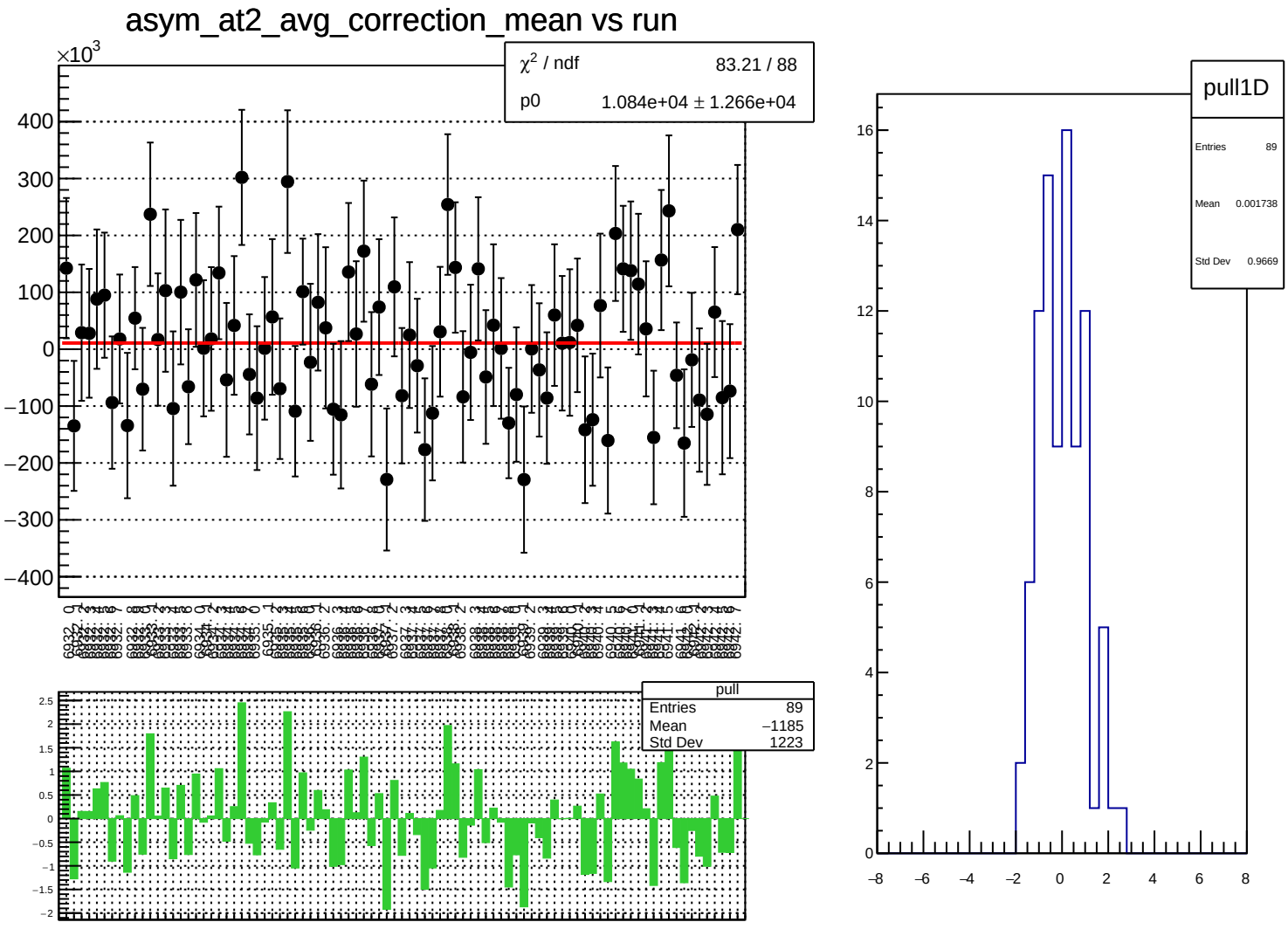

pull1D
Entries 89
Mean −0.00659
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_rms vs run
χ^2 / ndf 2.377e+04 / 88
p0 1903 ± 1.474
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

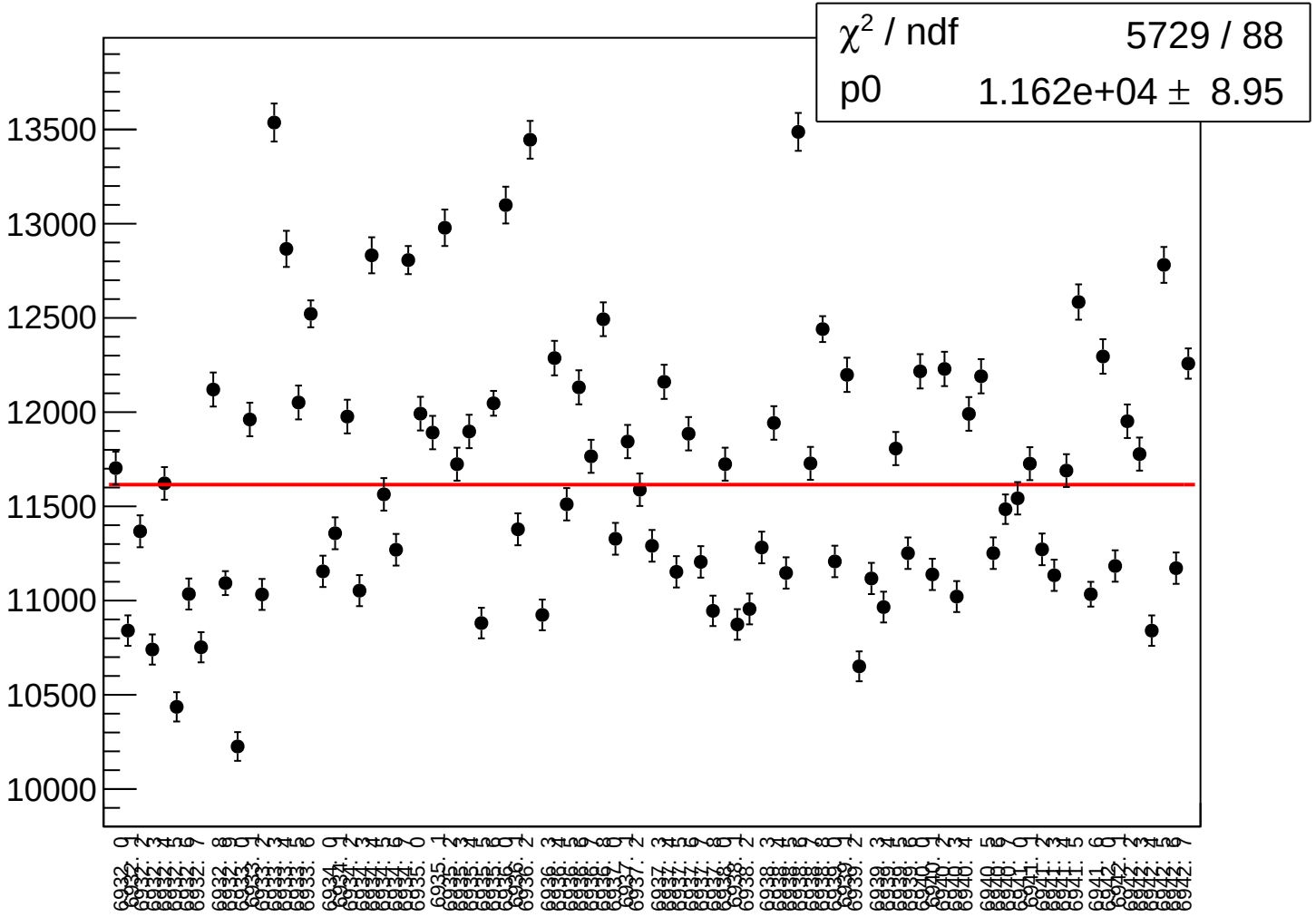

dit_asym_at2_avg_mean vs run
χ² / ndf 78.41 / 88
p0 −2047 ± 2415
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 69.57
Std Dev 99.14
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.004276
Std Dev 0.9386
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

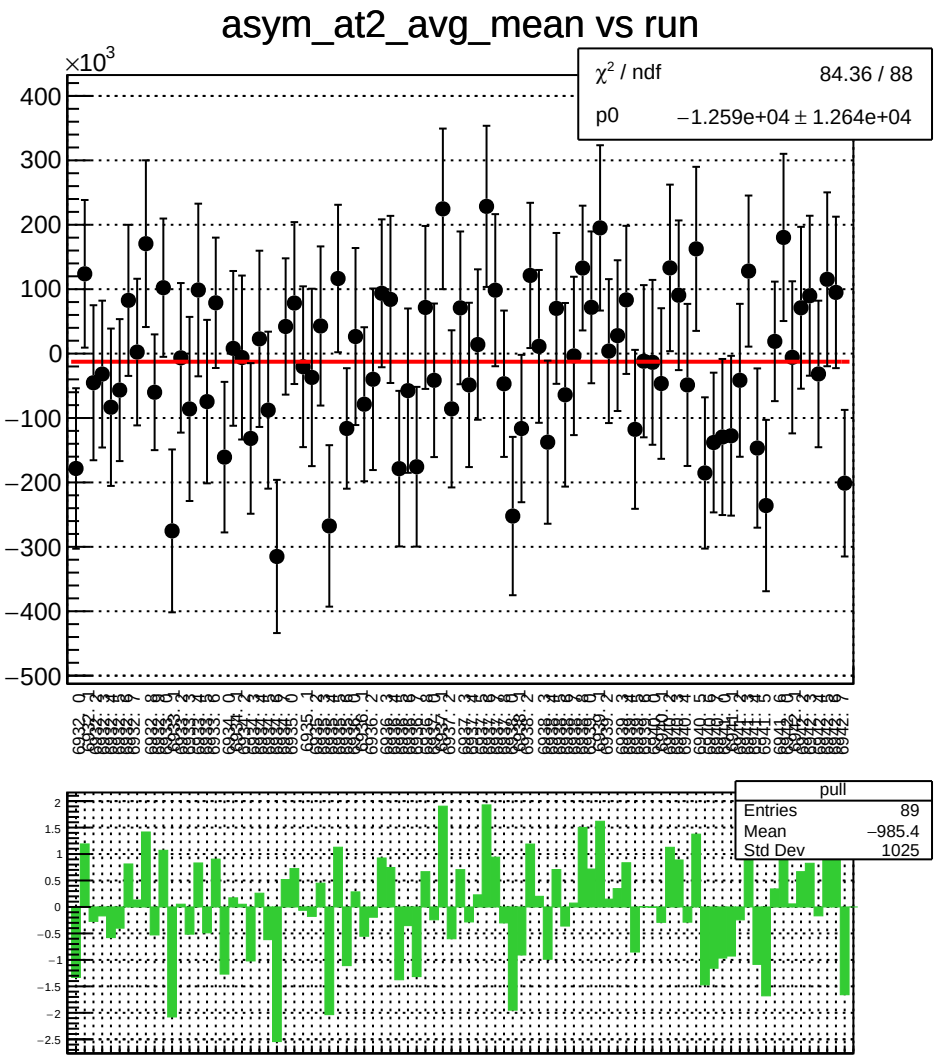
dit_asym_at2_avg_rms vs run

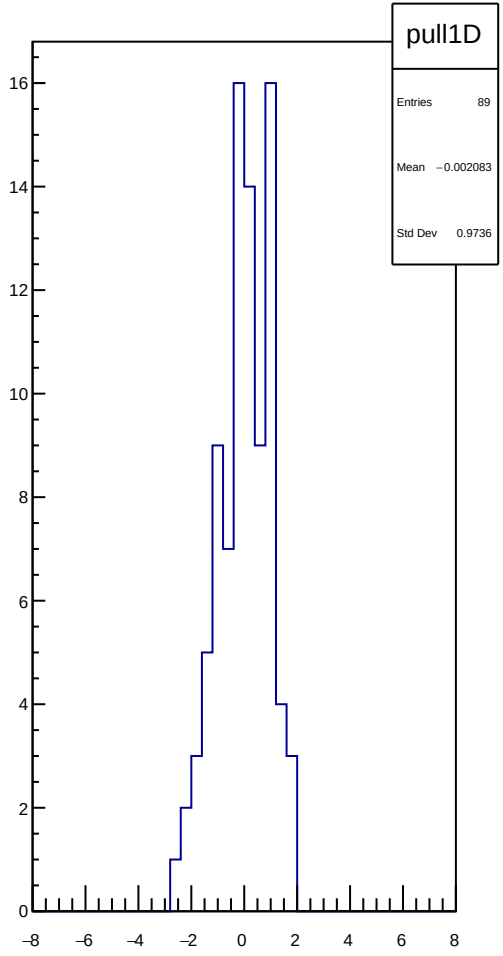


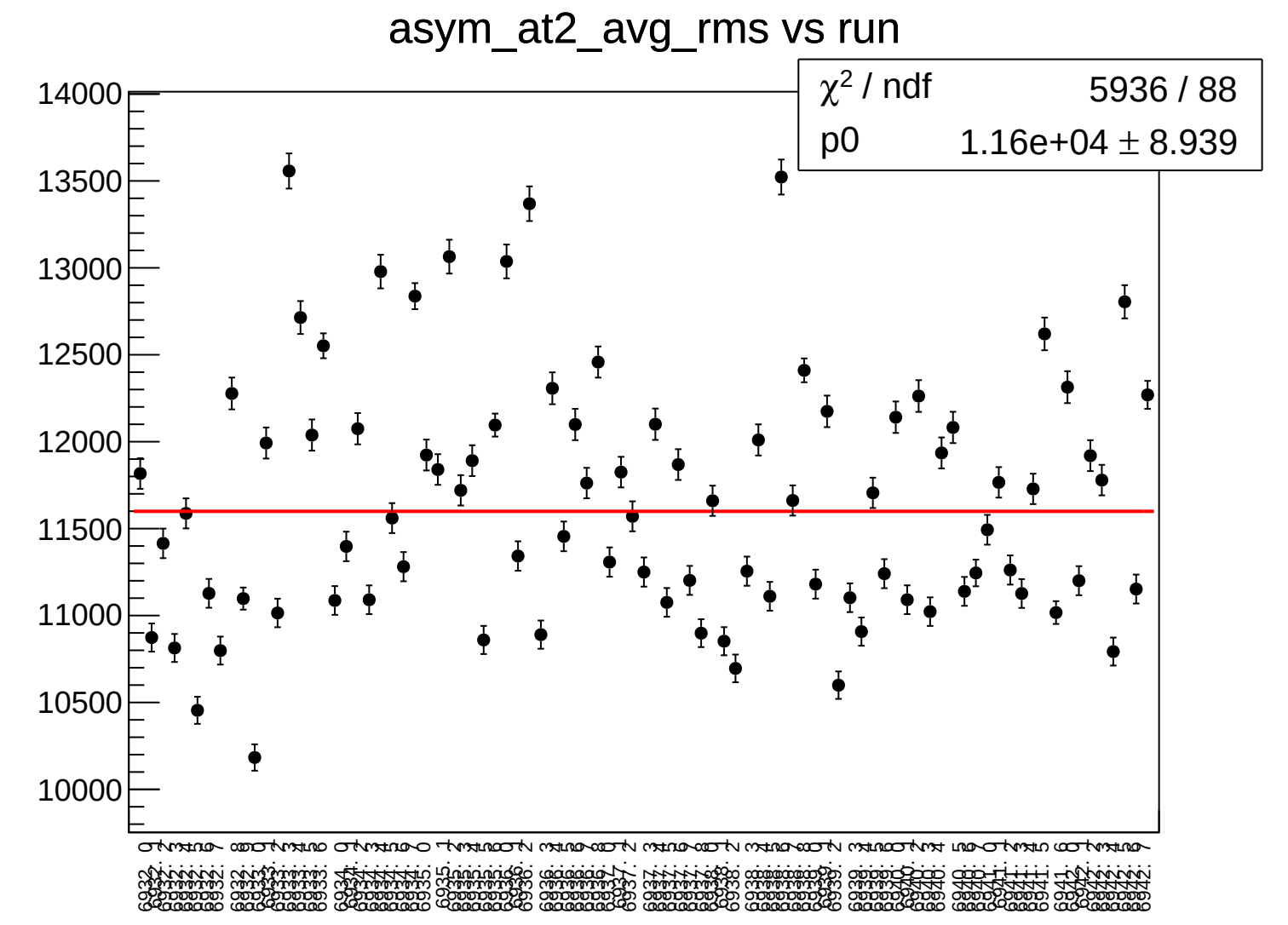

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 83.21 / 88
p0 1.084e+04 ± 1.266e+04
pull
Entries 89
Mean −1185
Std Dev 1223
pull1D
Entries 89
Mean 0.001738
Std Dev 0.9669

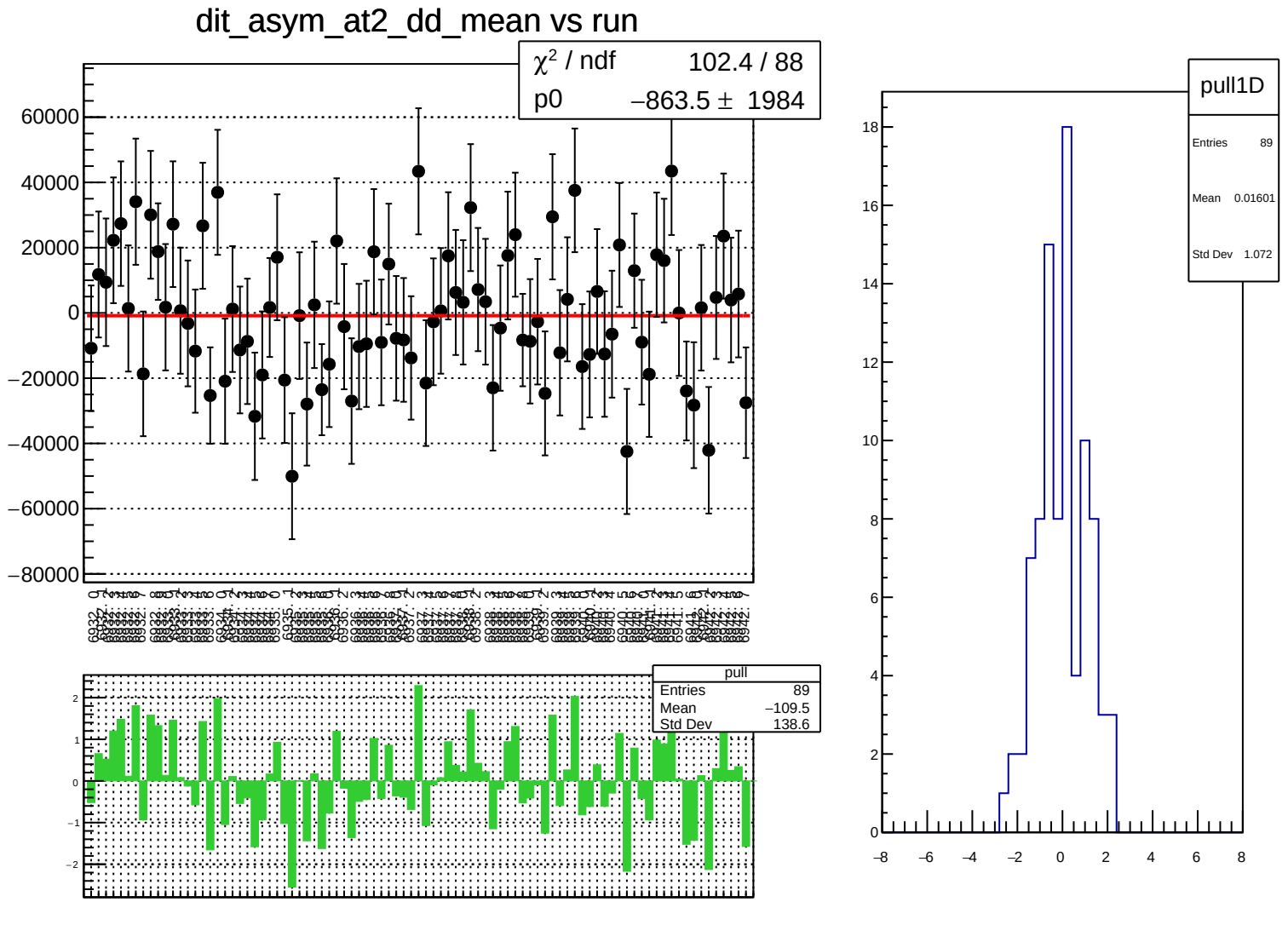
asym_at2_avg_correction_rms vs run



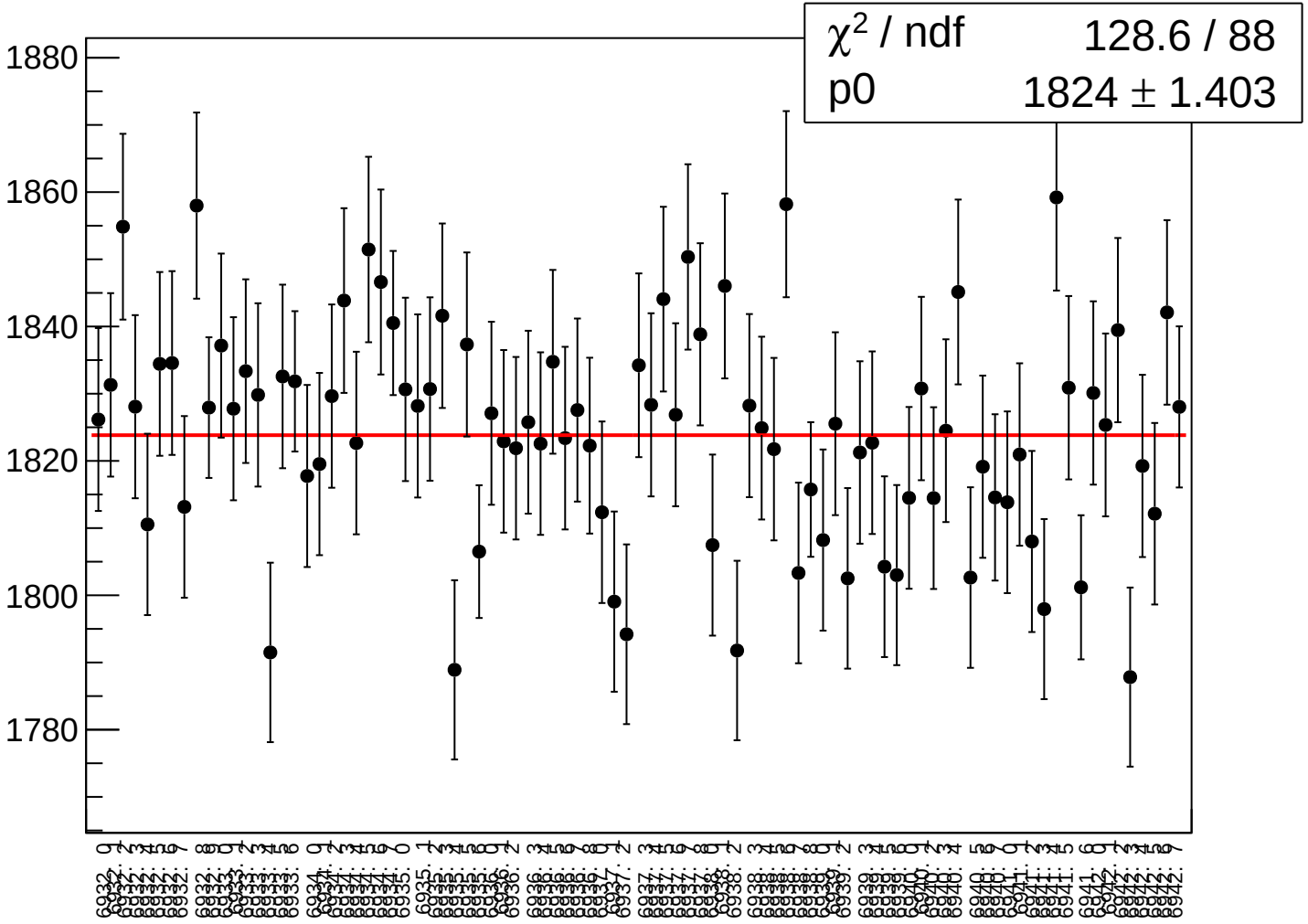

asym_at2_avg_mean vs run
×10^3
χ² / ndf 84.36 / 88
p0 −1.259e+04 ± 1.264e+04
pull
Entries 89
Mean −985.4
Std Dev 1025

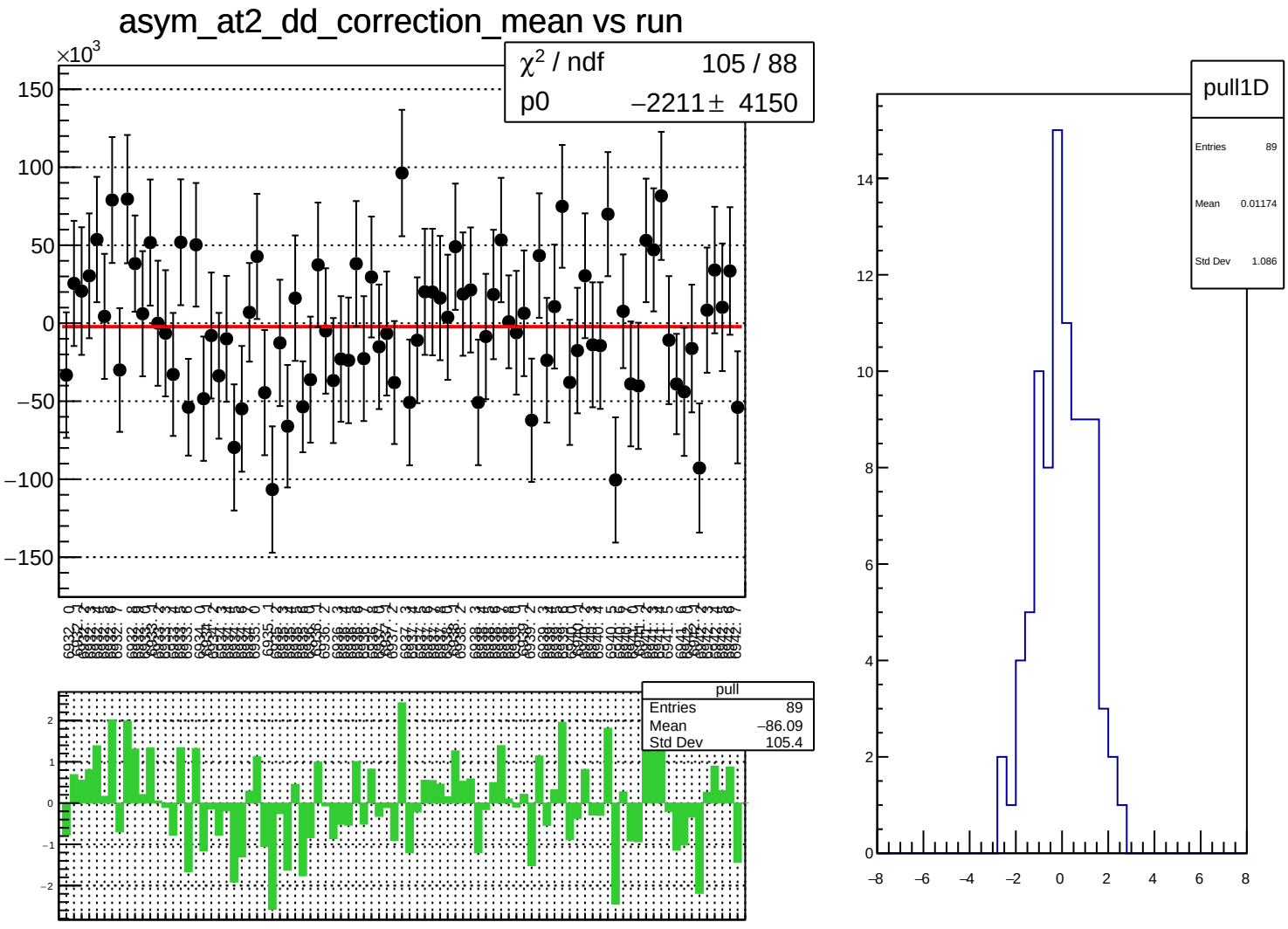

pull1D
Entries 89
Mean −0.002083
Std Dev 0.9736

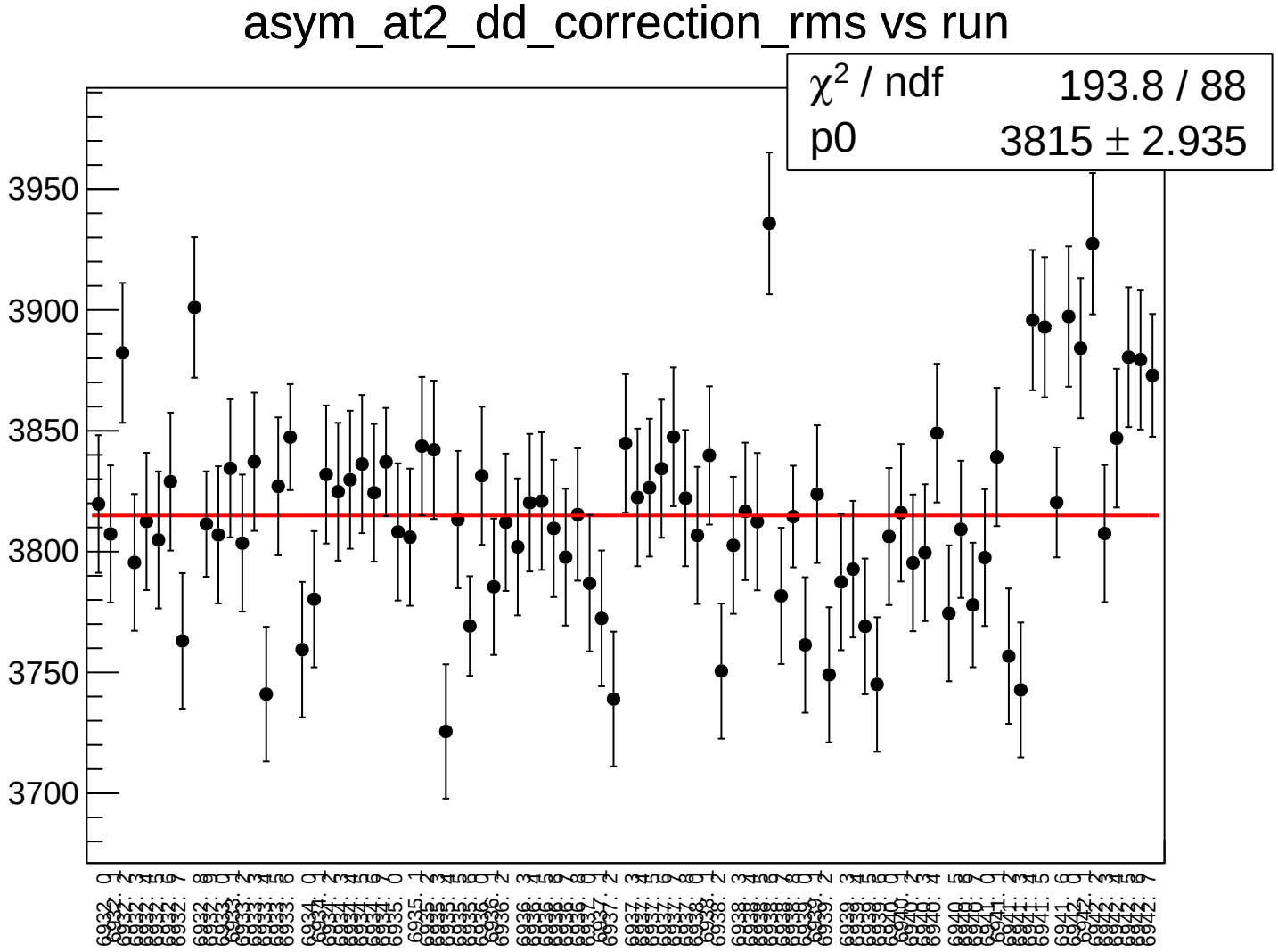

asym_at2_avg_rms vs run
χ^2 / ndf 5936 / 88
p0 1.16e+04 ± 8.939
14000
13500
13000
12500
12000
11500
11000
10500
10000

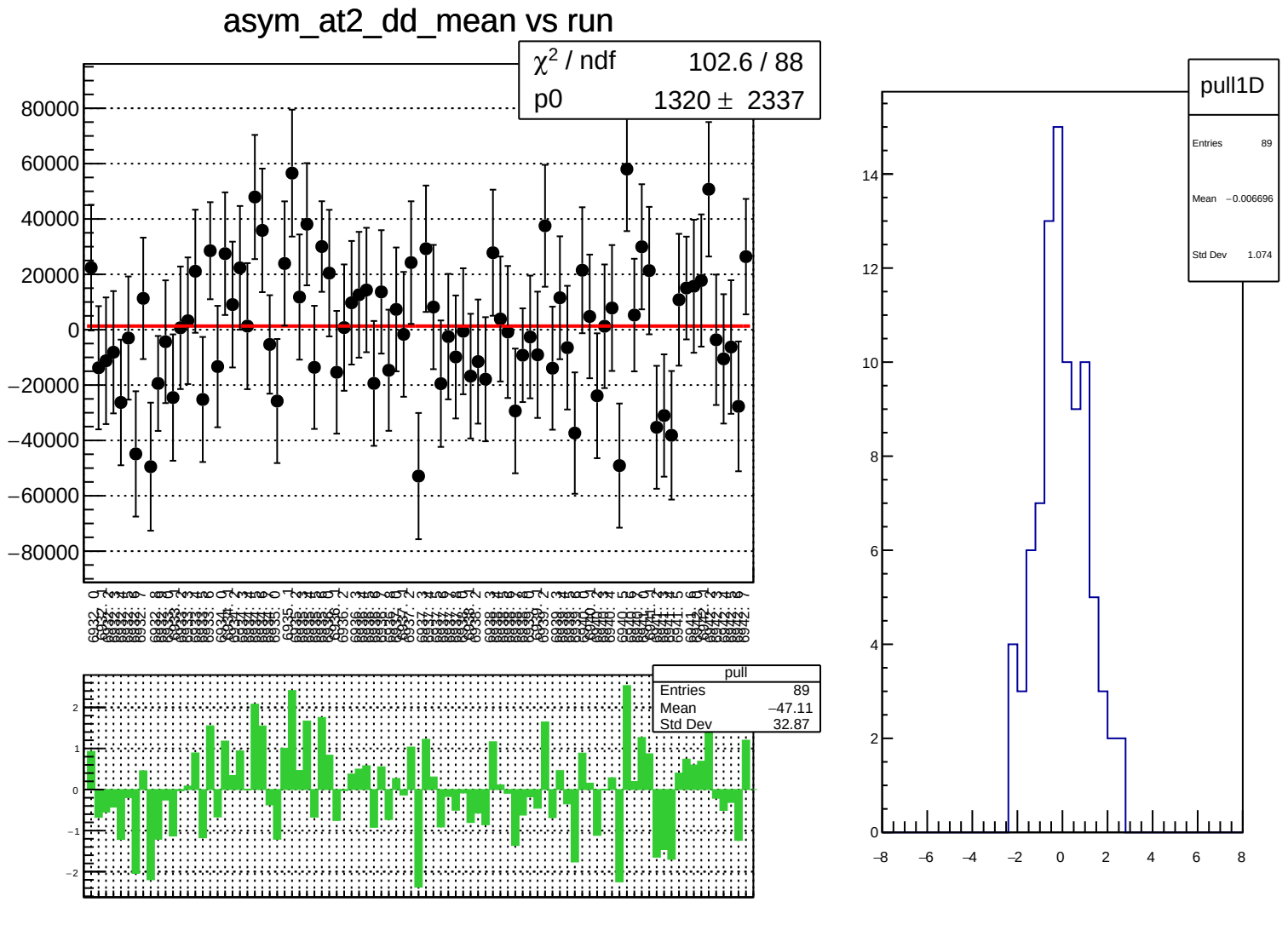

dit_asym_at2_dd_mean vs run
χ² / ndf 102.4 / 88
p0 −863.5 ± 1984
pull
Entries 89
Mean −109.5
Std Dev 138.6
pull1D
Entries 89
Mean 0.01601
Std Dev 1.072

dit_asym_at2_dd_rms vs run

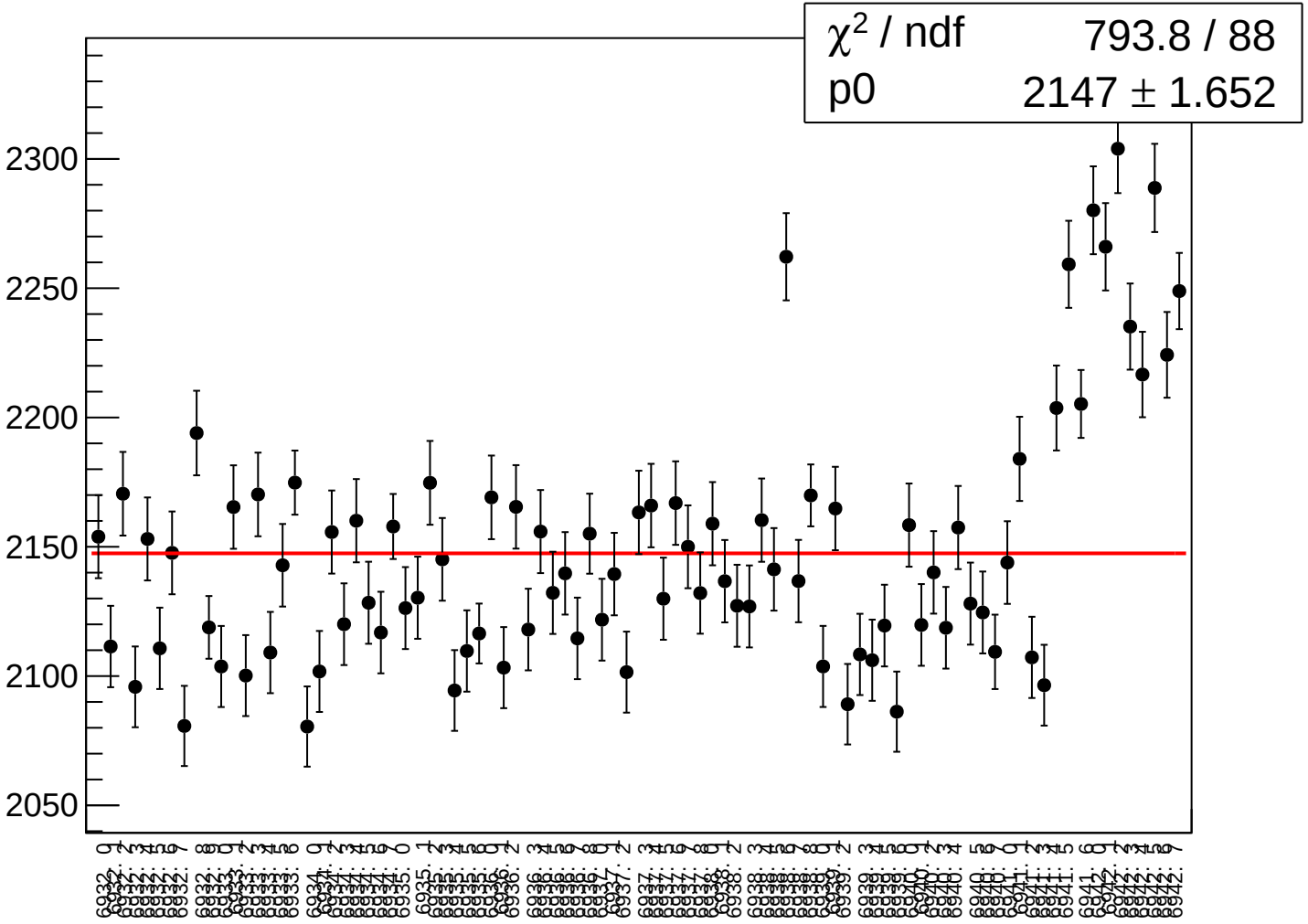


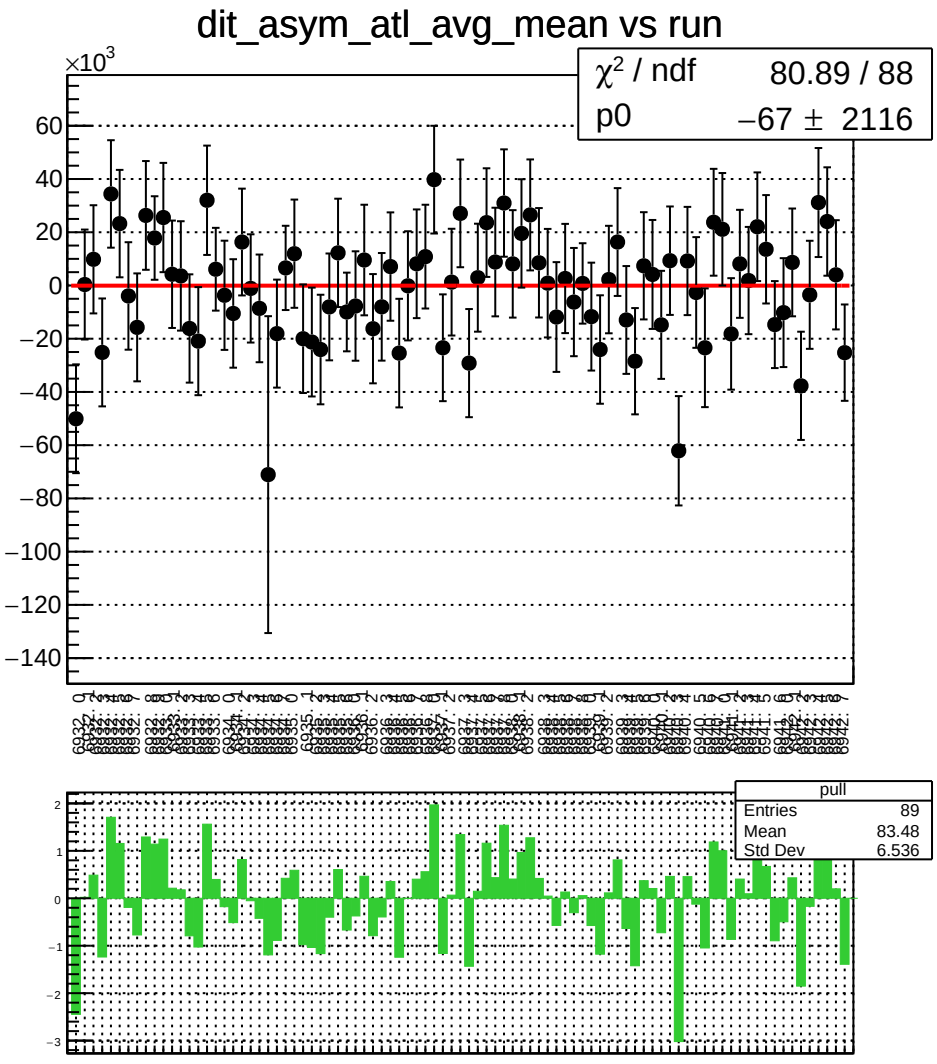

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 105 / 88
p0 −2211 ± 4150
pull
Entries 89
Mean −86.09
Std Dev 105.4
pull1D
Entries 89
Mean 0.01174
Std Dev 1.086

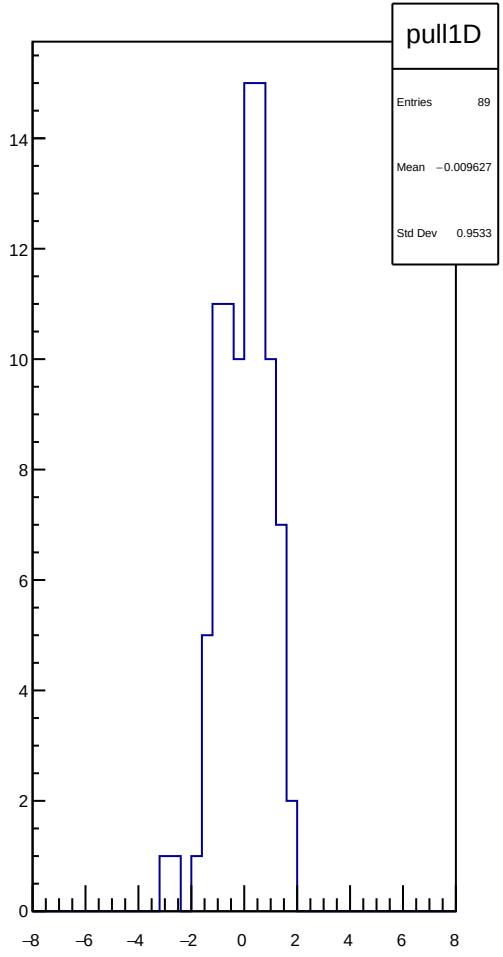

asym_at2_dd_correction_rms vs run
χ² / ndf 193.8 / 88
p0 3815 ± 2.935
3950
3900
3850
3800
3750
3700

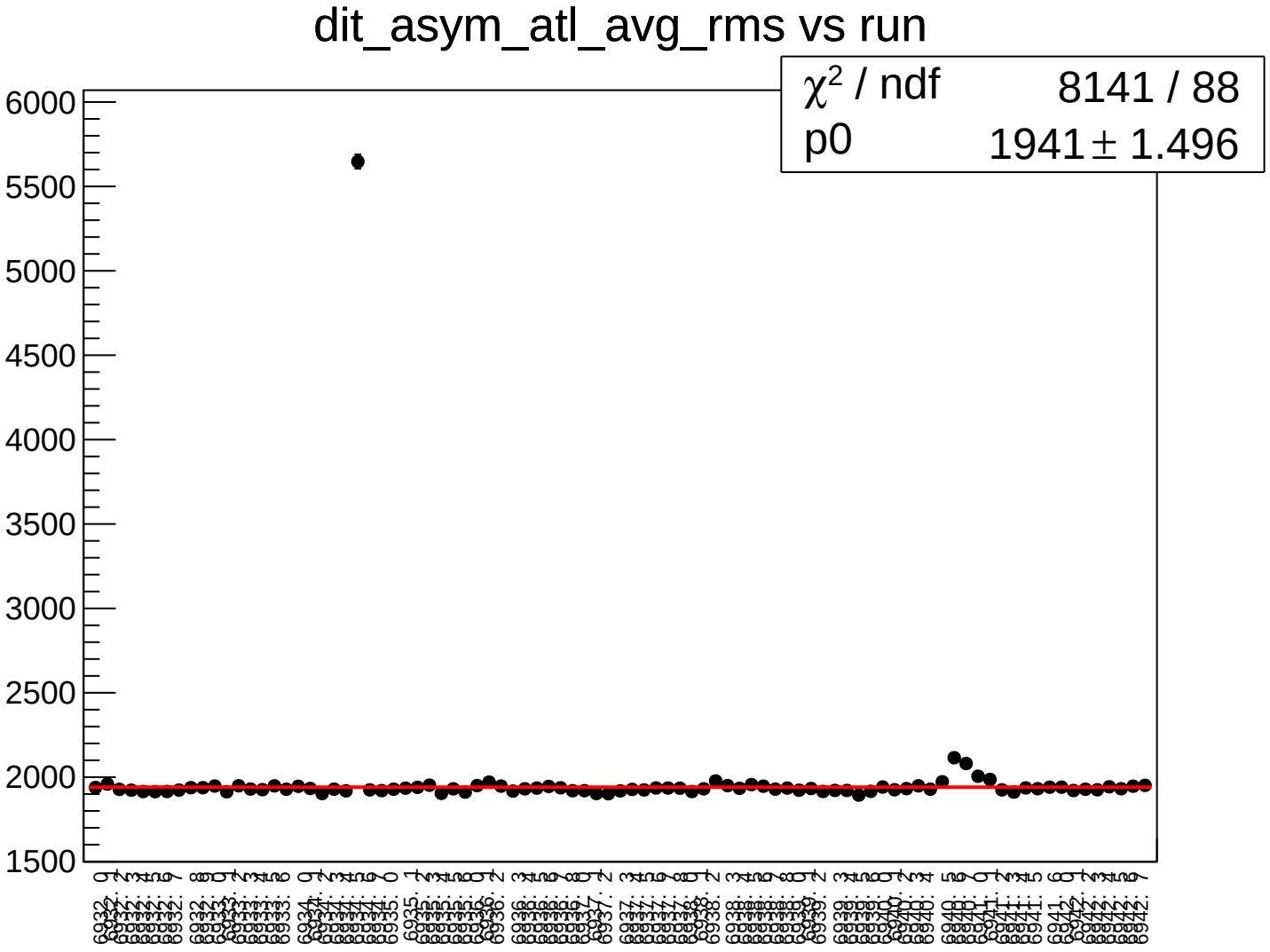

asym_at2_dd_mean vs run
χ² / ndf 102.6 / 88
p0 1320 ± 2337
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −47.11
Std Dev 32.87
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.006696
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

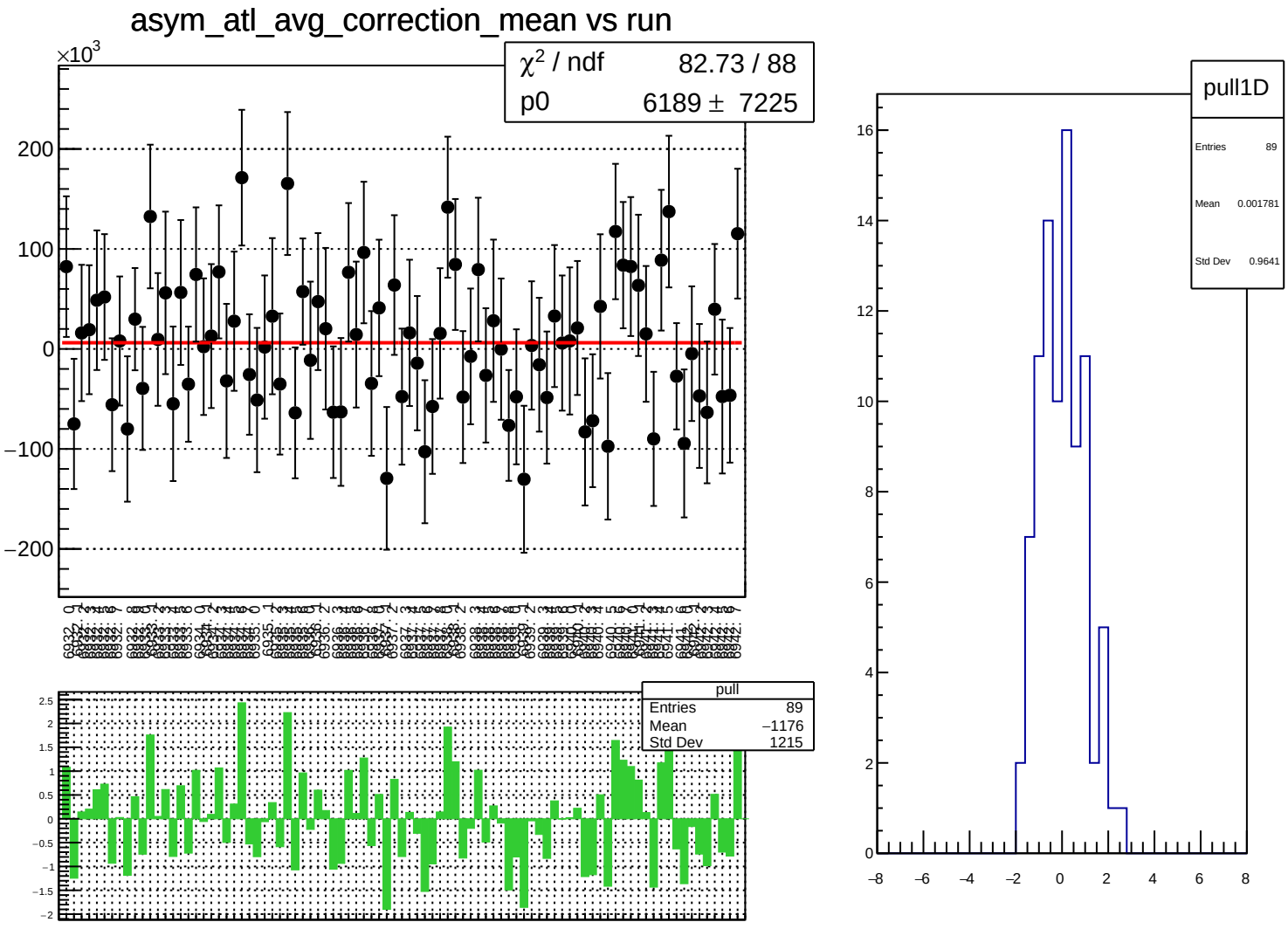
asym_at2_dd_rms vs run

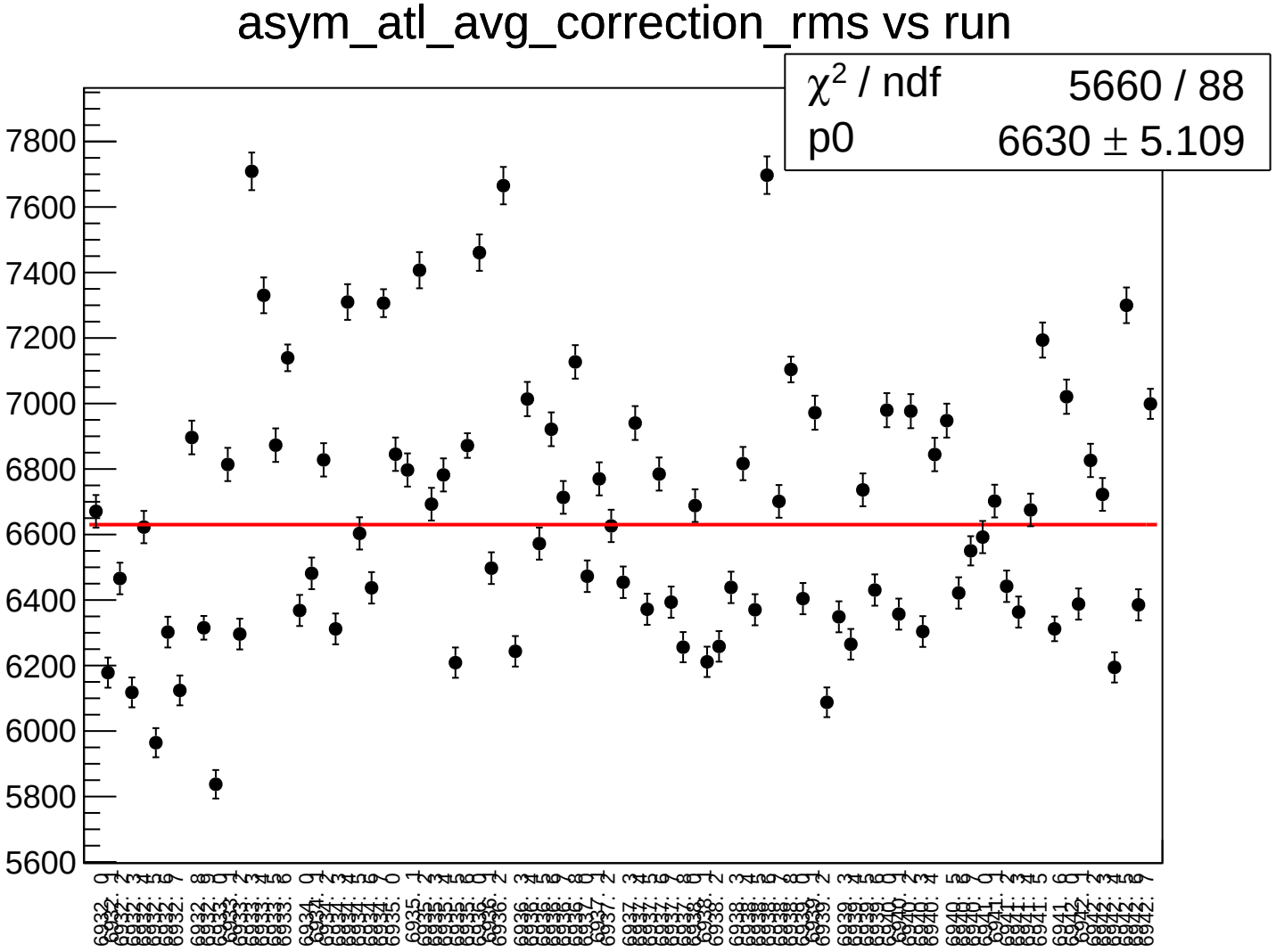


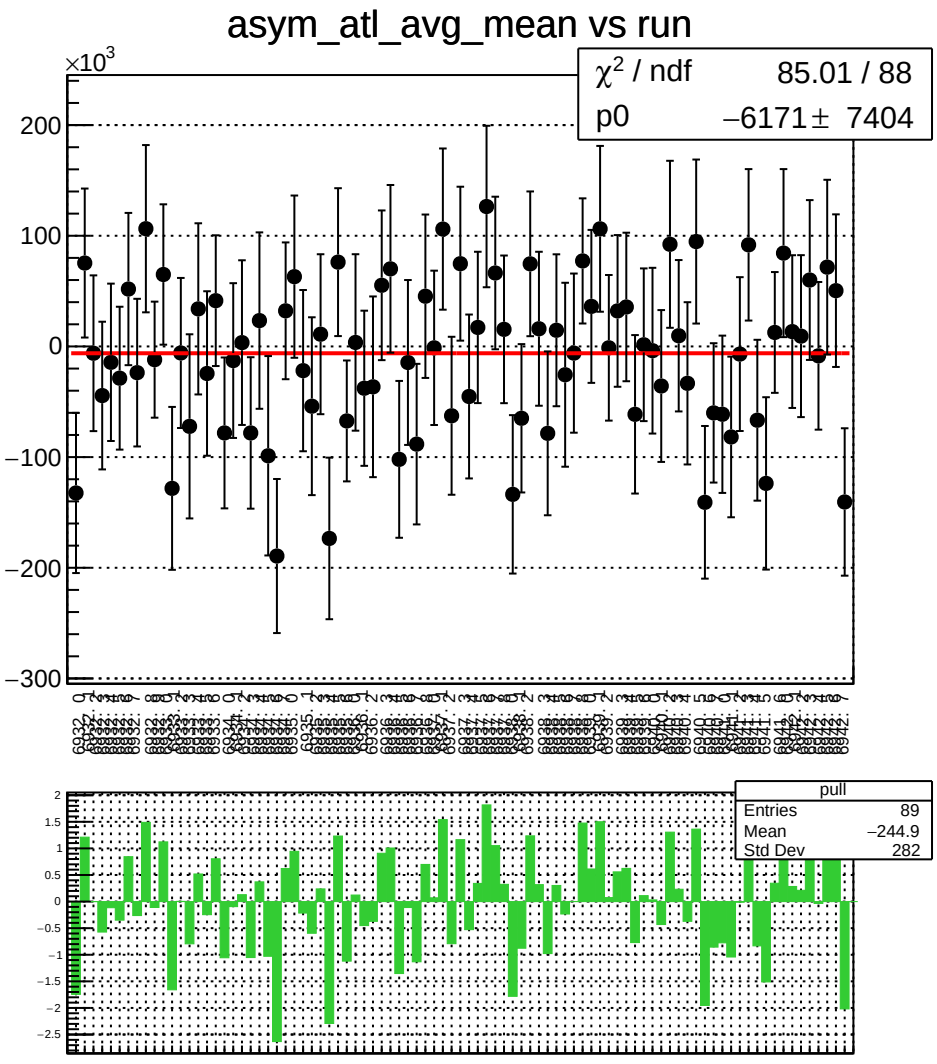

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 80.89 / 88
p0 −67 ± 2116
pull
Entries 89
Mean 83.48
Std Dev 6.536

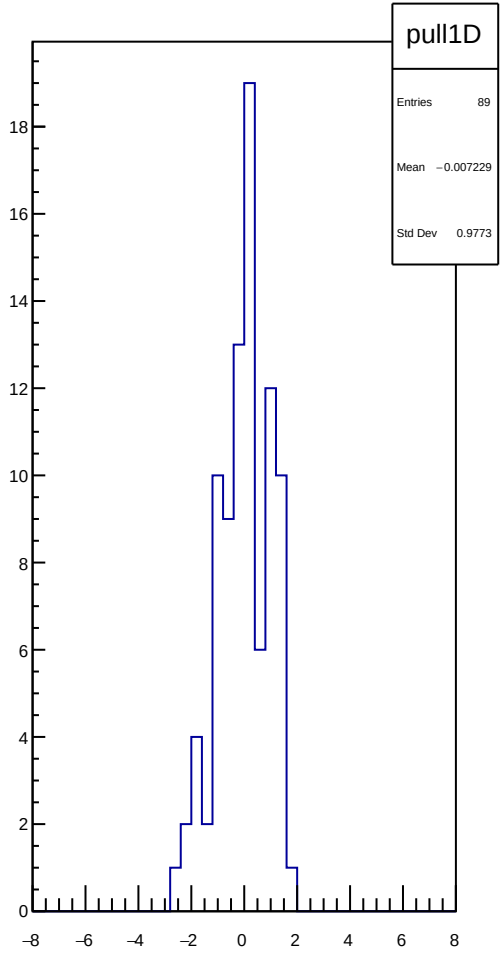

pull1D
Entries 89
Mean −0.009627
Std Dev 0.9533

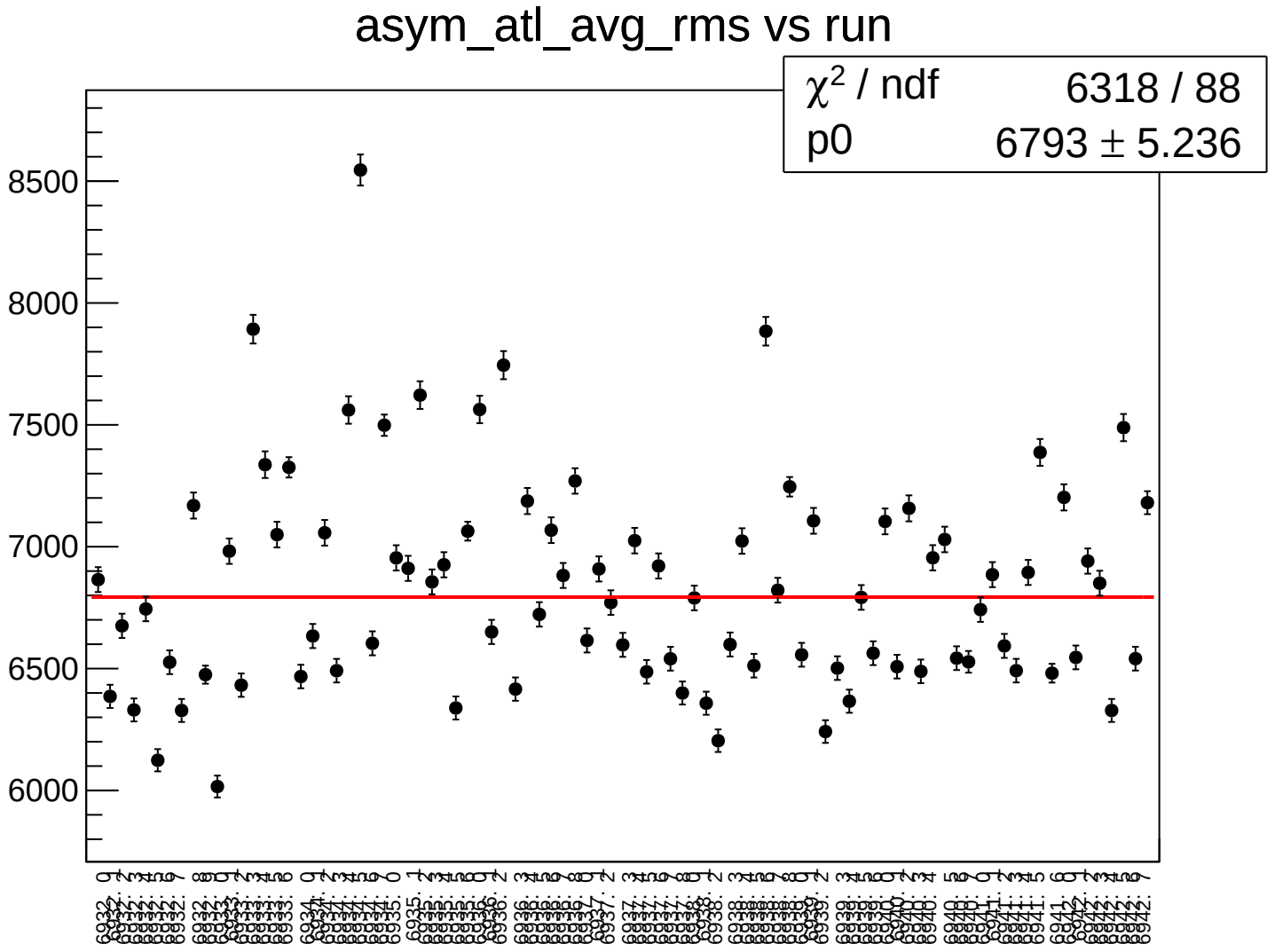

dit_asym_atl_avg_rms vs run
χ² / ndf 8141 / 88
p0 1941 ± 1.496
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

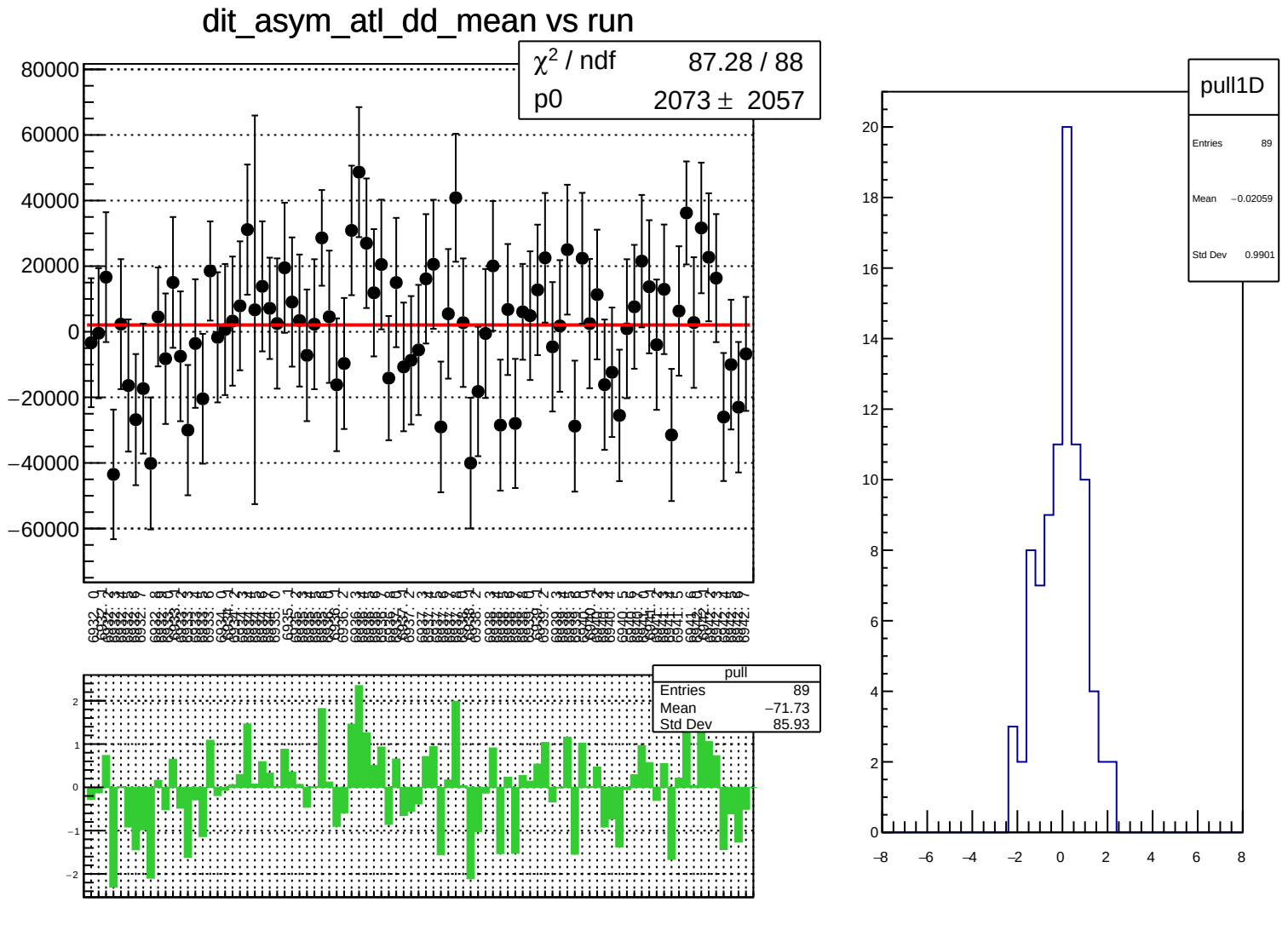

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 82.73 / 88
p0 6189 ± 7225
200
100
0
−100
−200
pull
Entries 89
Mean −1176
Std Dev 1215
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.001781
Std Dev 0.9641
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

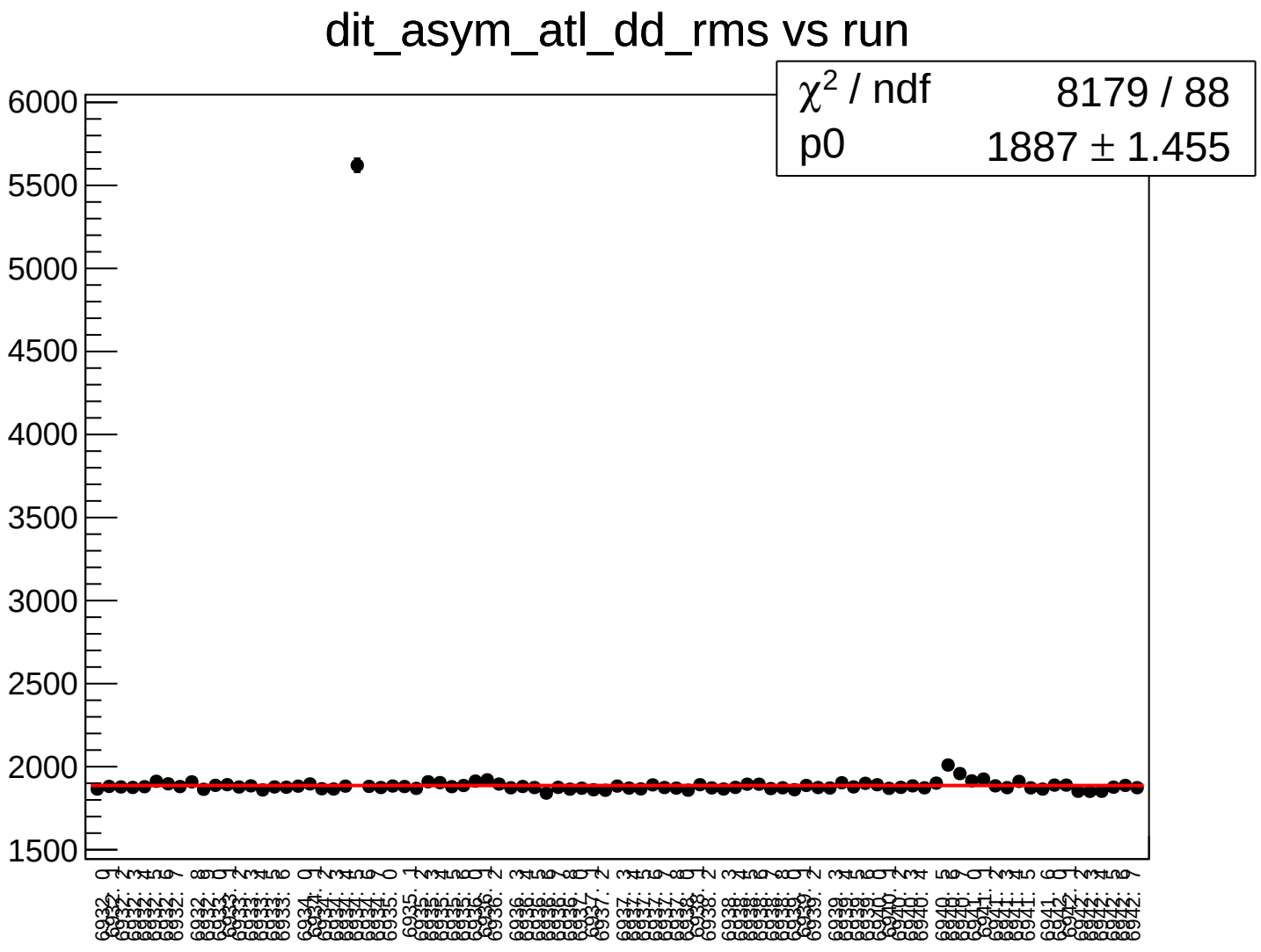

asym_atl_avg_correction_rms vs run
χ^2 / ndf 5660 / 88
p0 6630 ± 5.109
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

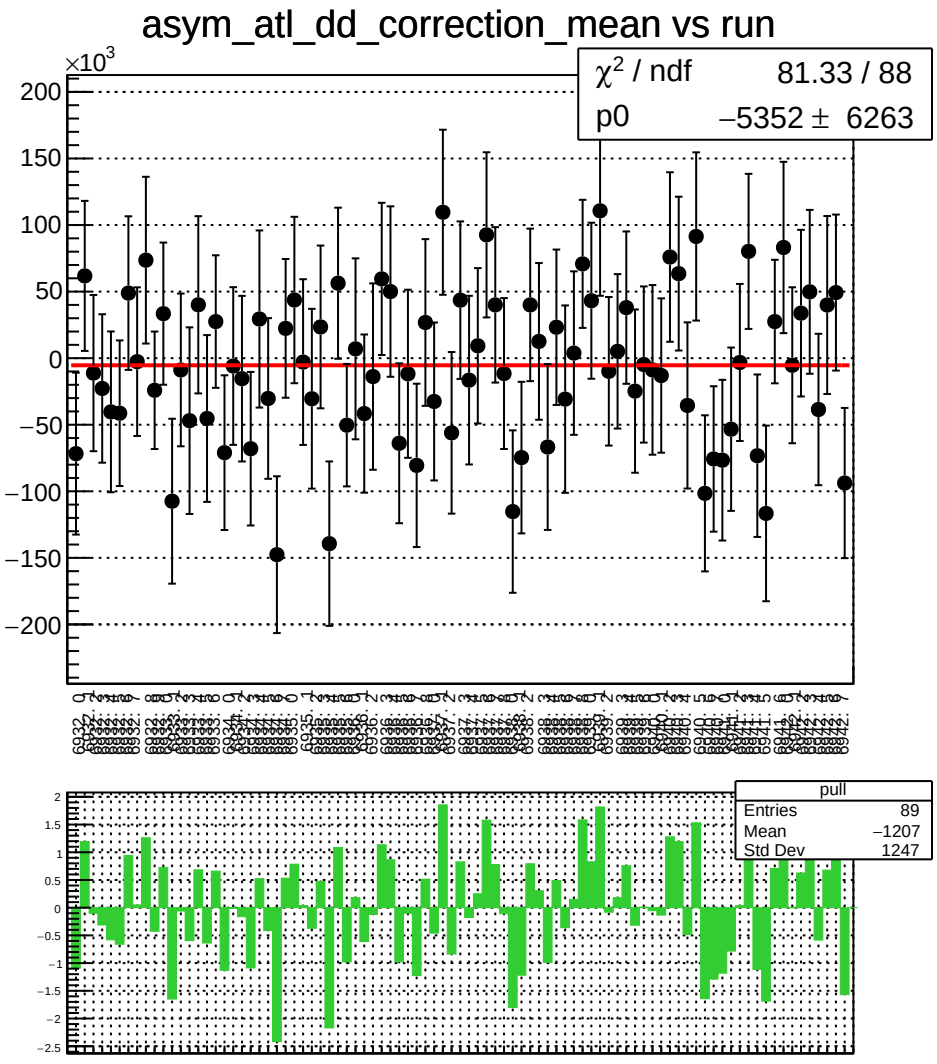

asym_atl_avg_mean vs run
×10^3
χ² / ndf 85.01 / 88
p0 −6171 ± 7404
pull
Entries 89
Mean −244.9
Std Dev 282

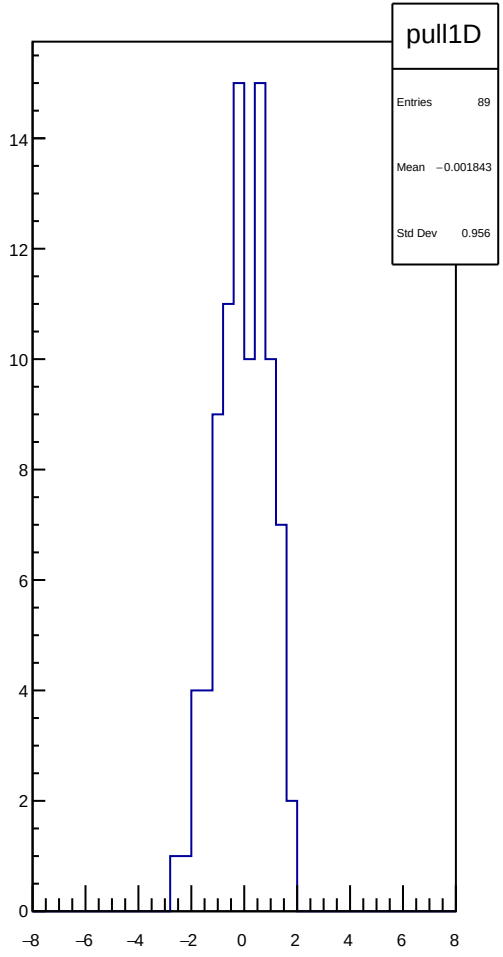

pull1D
Entries 89
Mean −0.007229
Std Dev 0.9773


asym_atl_avg_rms vs run
χ^2 / ndf 6318 / 88
p0 6793 ± 5.236
8500
8000
7500
7000
6500
6000

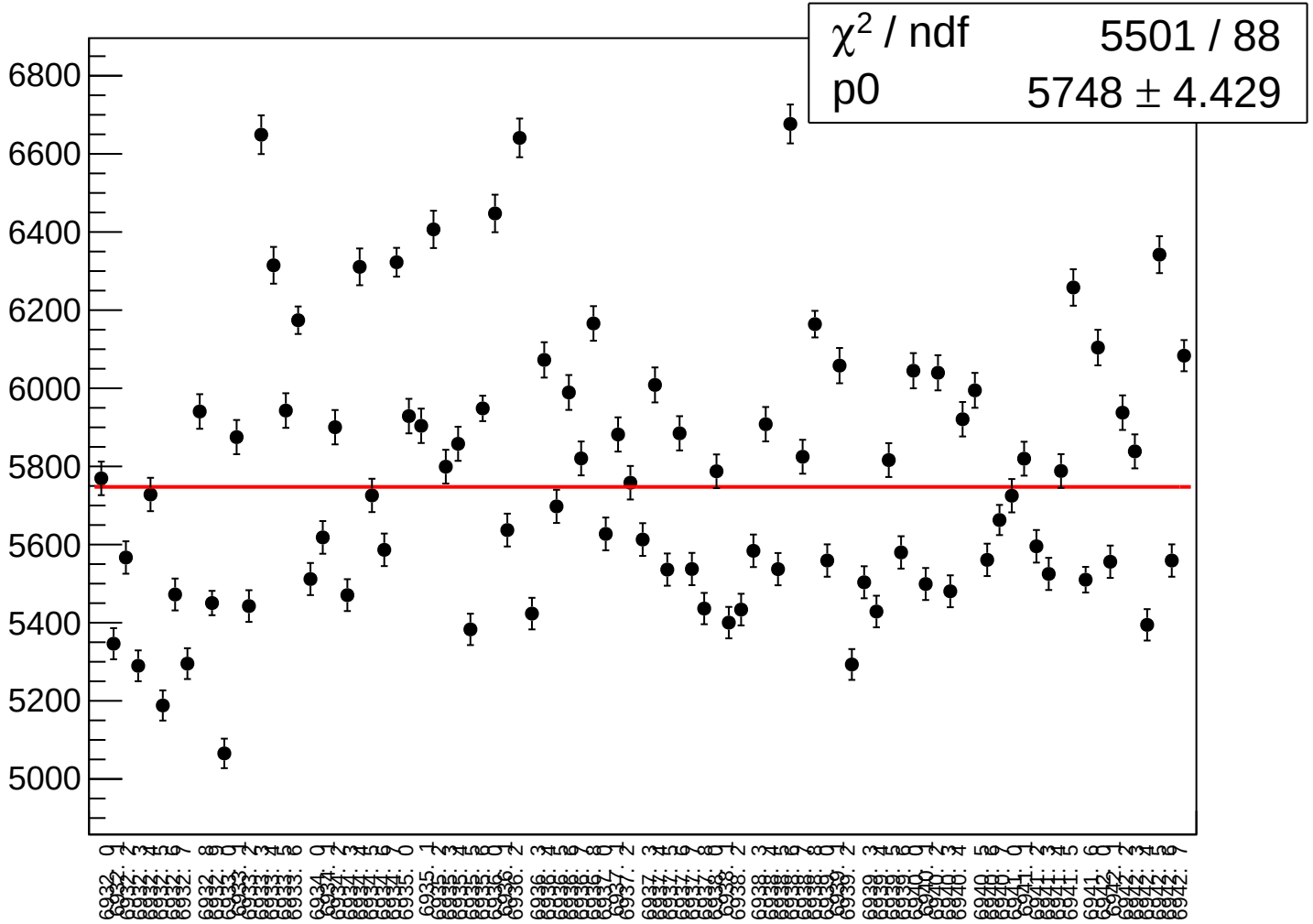

dit_asym_atl_dd_mean vs run
χ² / ndf 87.28 / 88
p0 2073 ± 2057
pull
Entries 89
Mean −71.73
Std Dev 85.93
pull1D
Entries 89
Mean −0.02059
Std Dev 0.9901

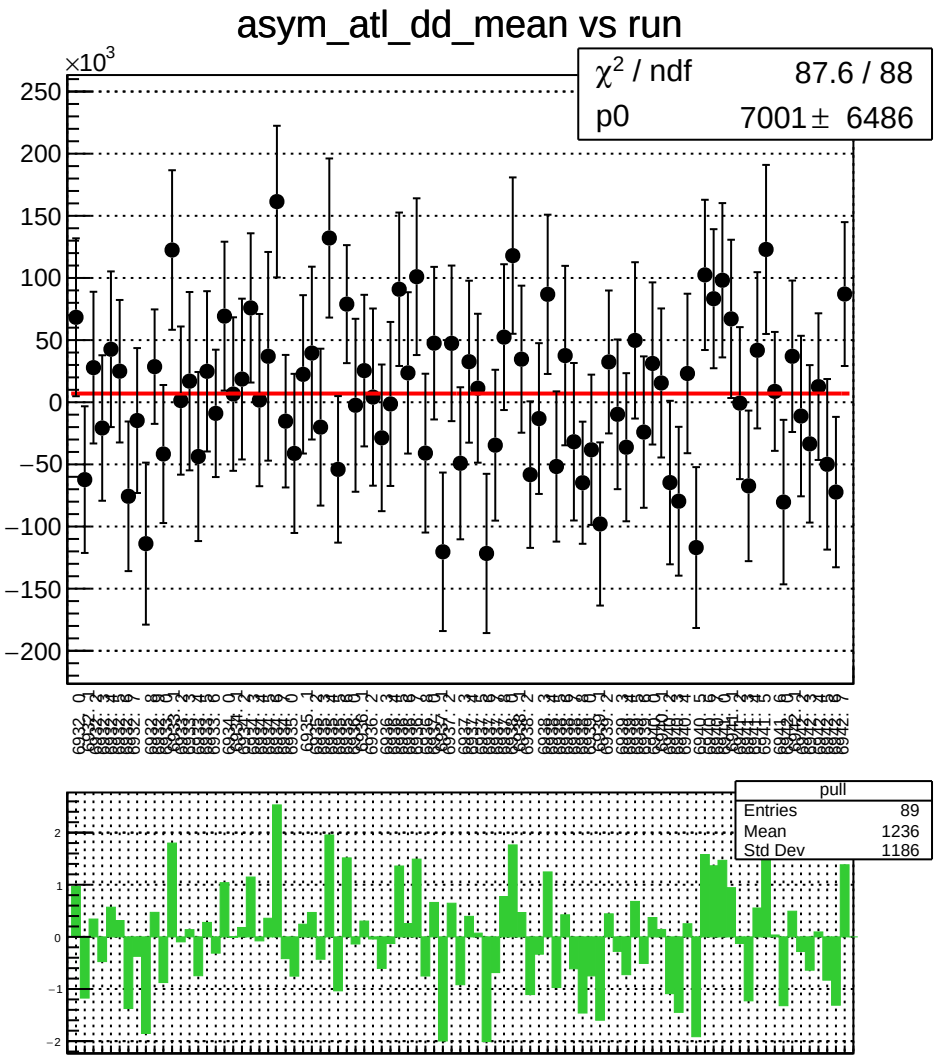

dit_asym_atl_dd_rms vs run
χ² / ndf 8179 / 88
p0 1887 ± 1.455
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

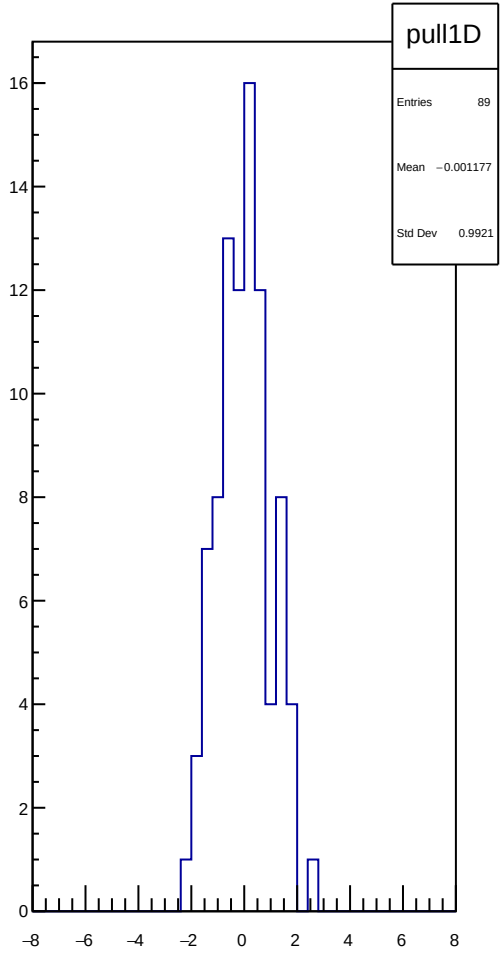

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 81.33 / 88
p0 −5352 ± 6263
pull
Entries 89
Mean −1207
Std Dev 1247


pull1D
Entries 89
Mean −0.001843
Std Dev 0.956

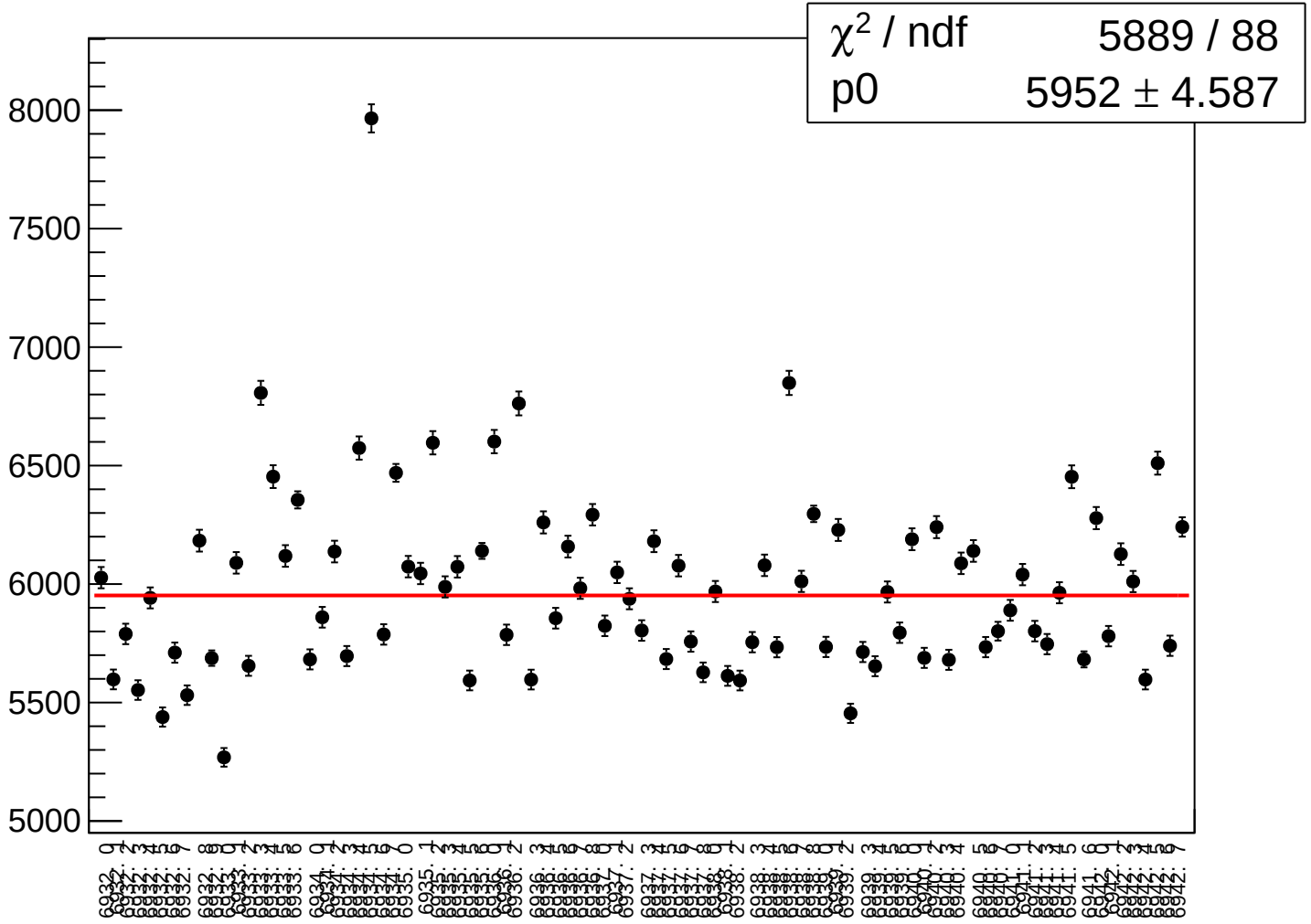
asym_atl_dd_correction_rms vs run

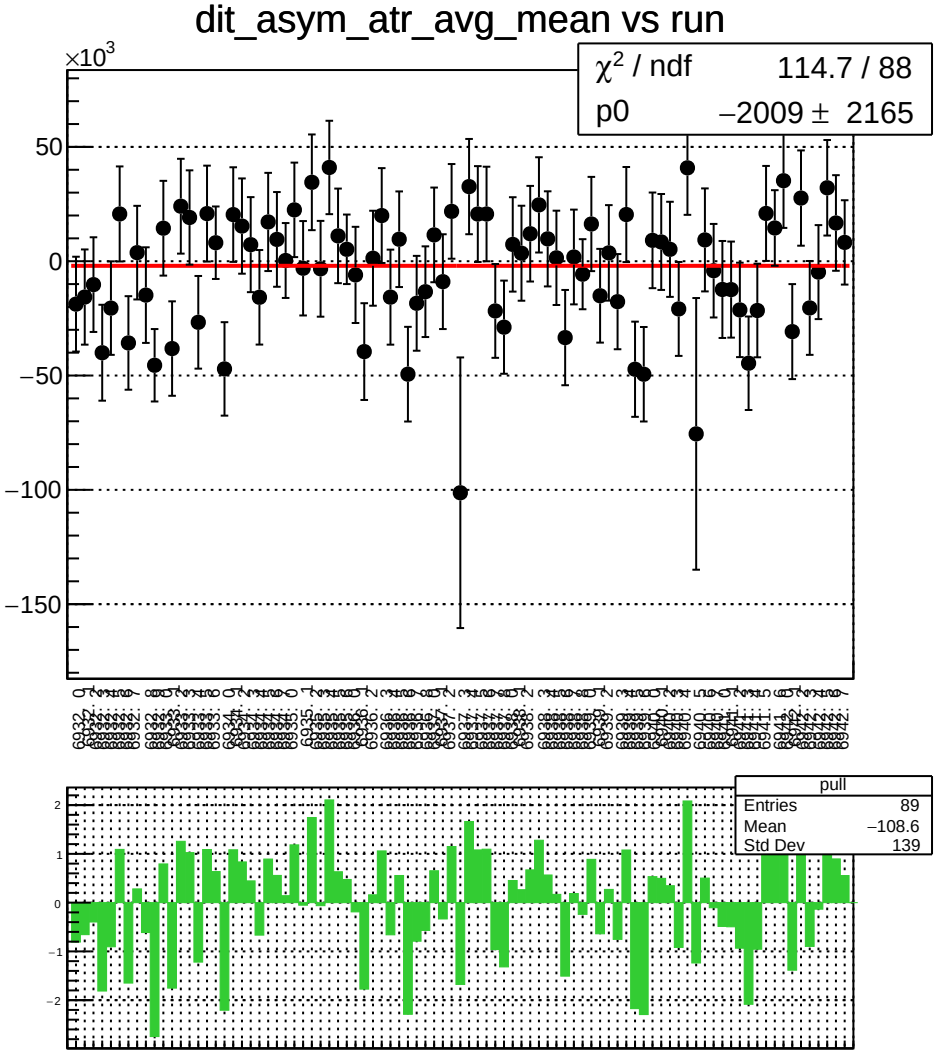


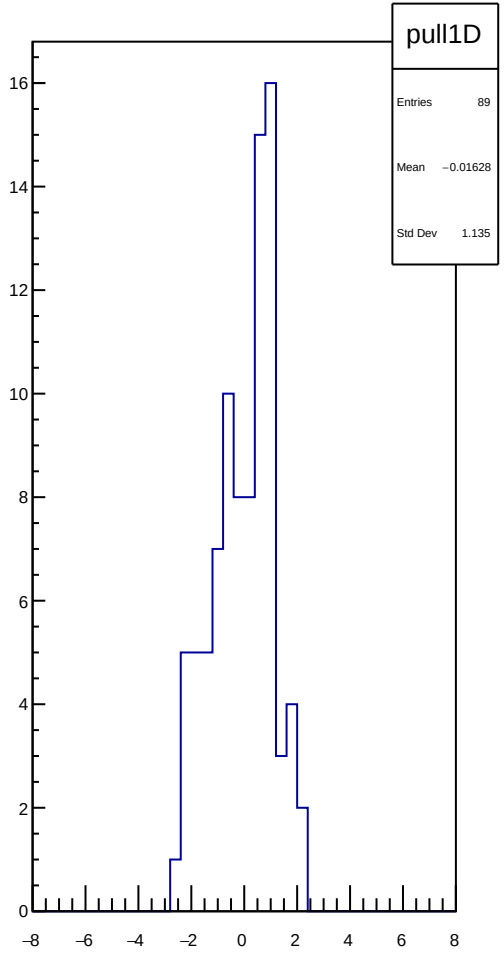

asym_atl_dd_mean vs run
×10^3
χ² / ndf 87.6 / 88
p0 7001 ± 6486
pull
Entries 89
Mean 1236
Std Dev 1186


pull1D
Entries 89
Mean −0.001177
Std Dev 0.9921

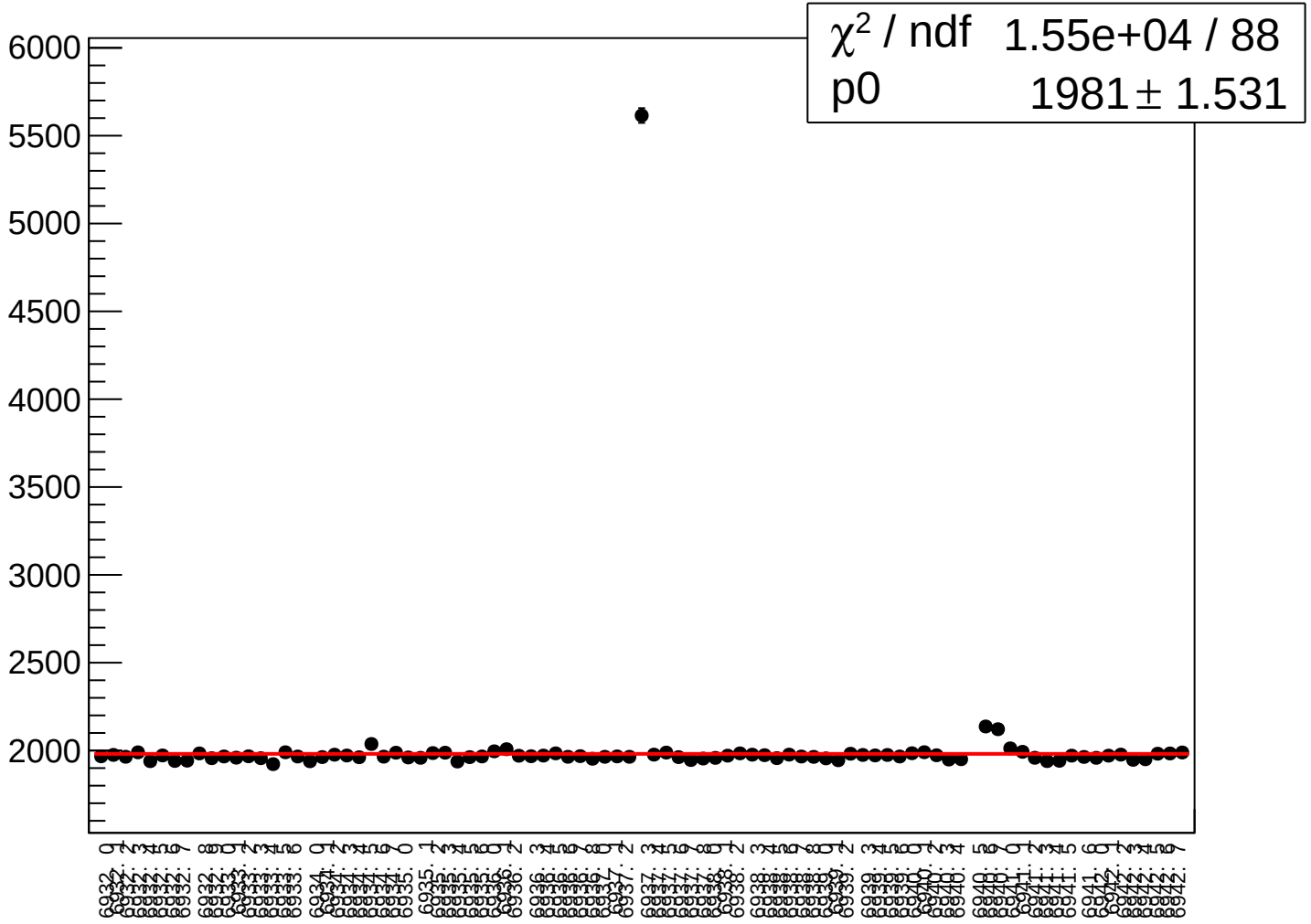
asym_atl_dd_rms vs run

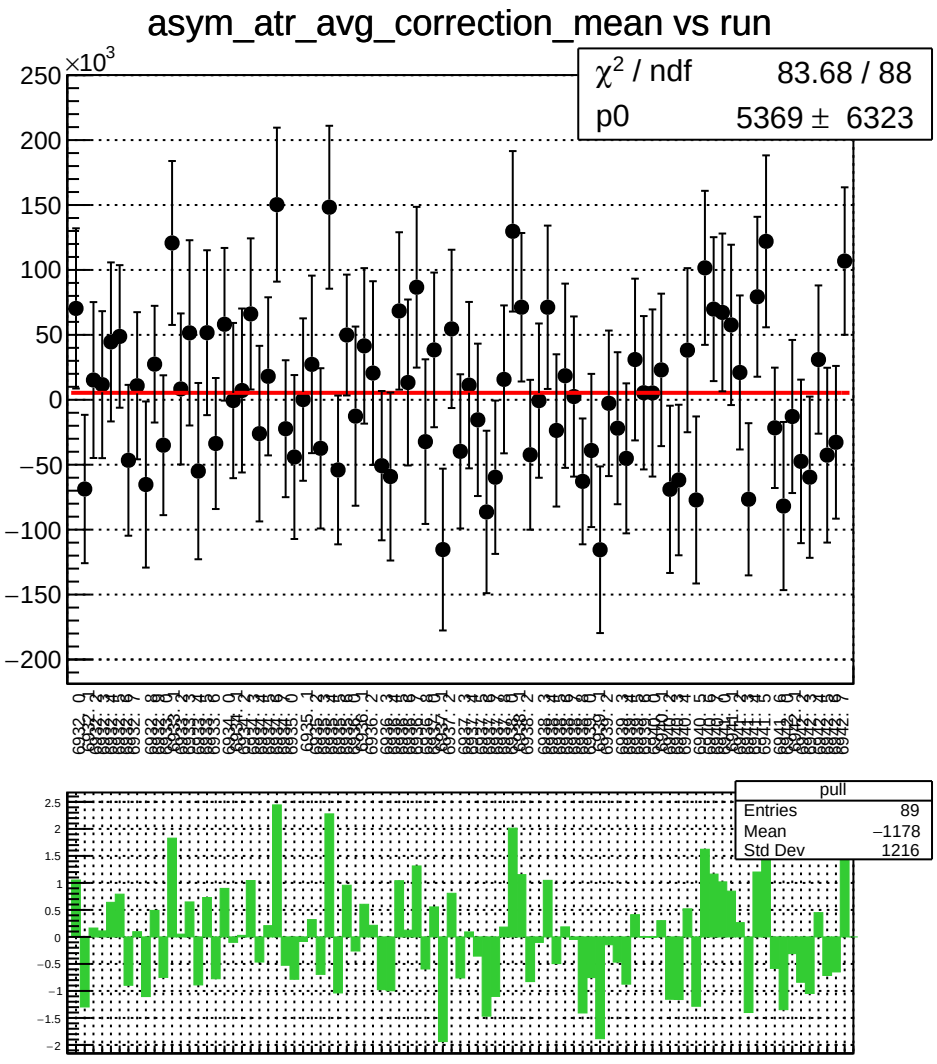


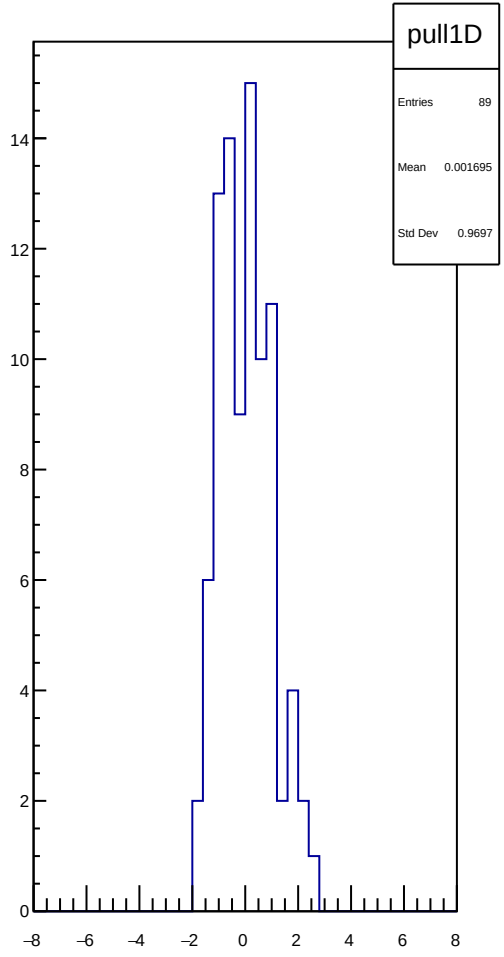

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 114.7 / 88
p0 −2009 ± 2165
50
0
−50
−100
−150
pull
Entries 89
Mean −108.6
Std Dev 139
2
1
0
−1
−2

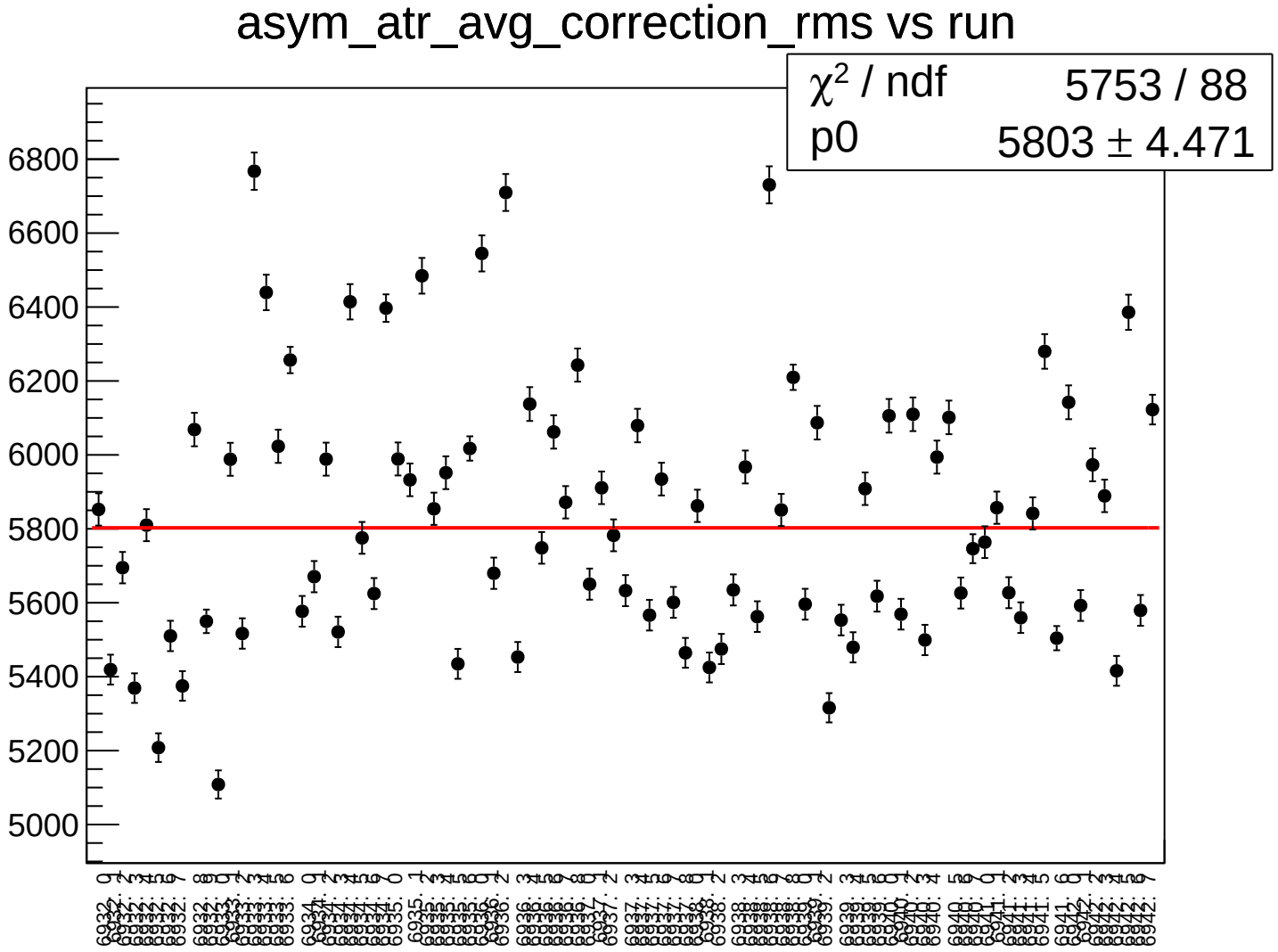

pull1D
Entries 89
Mean −0.01628
Std Dev 1.135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

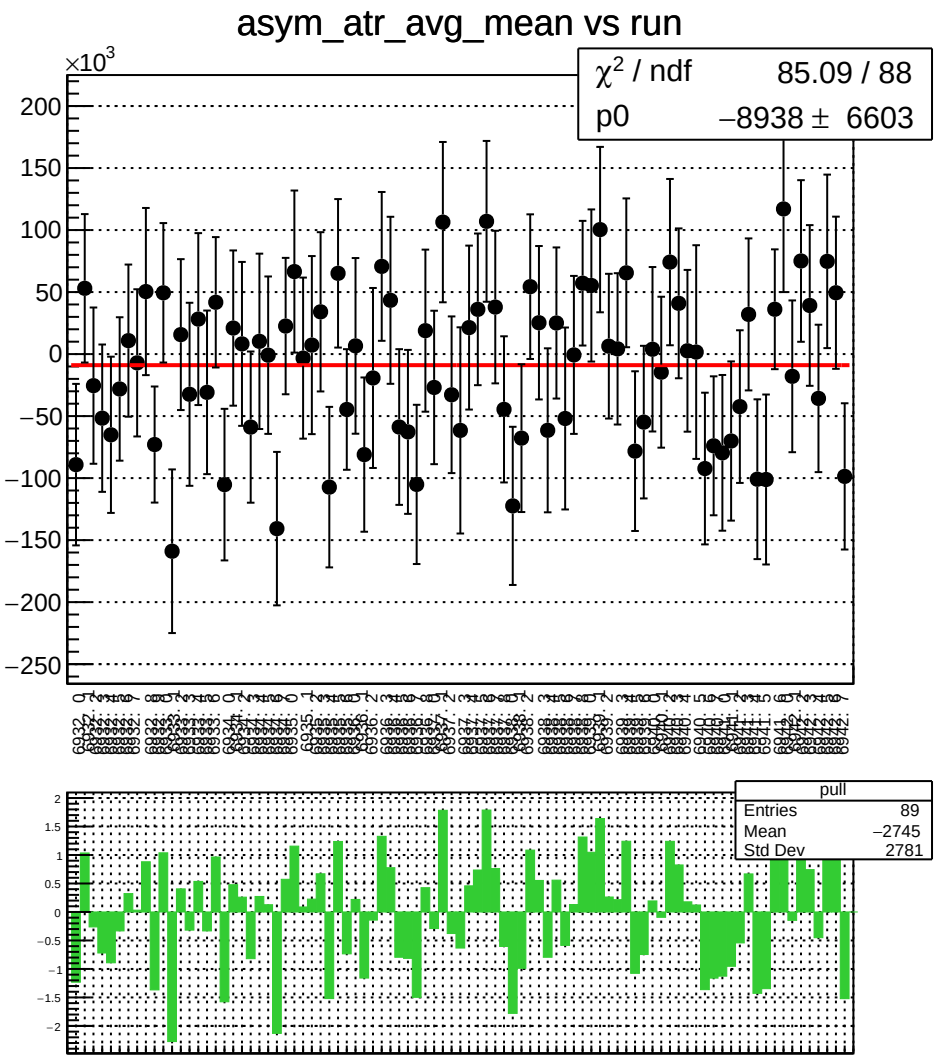
dit_asym_atr_avg_rms vs run

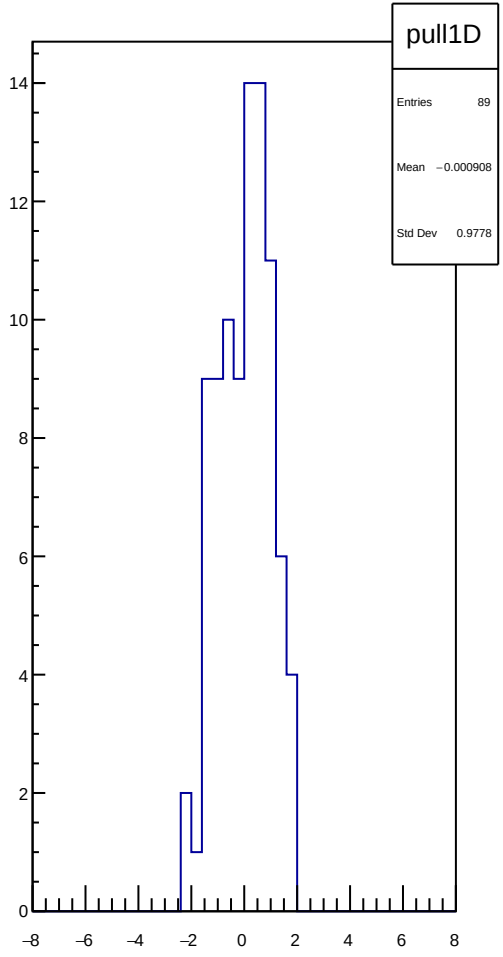


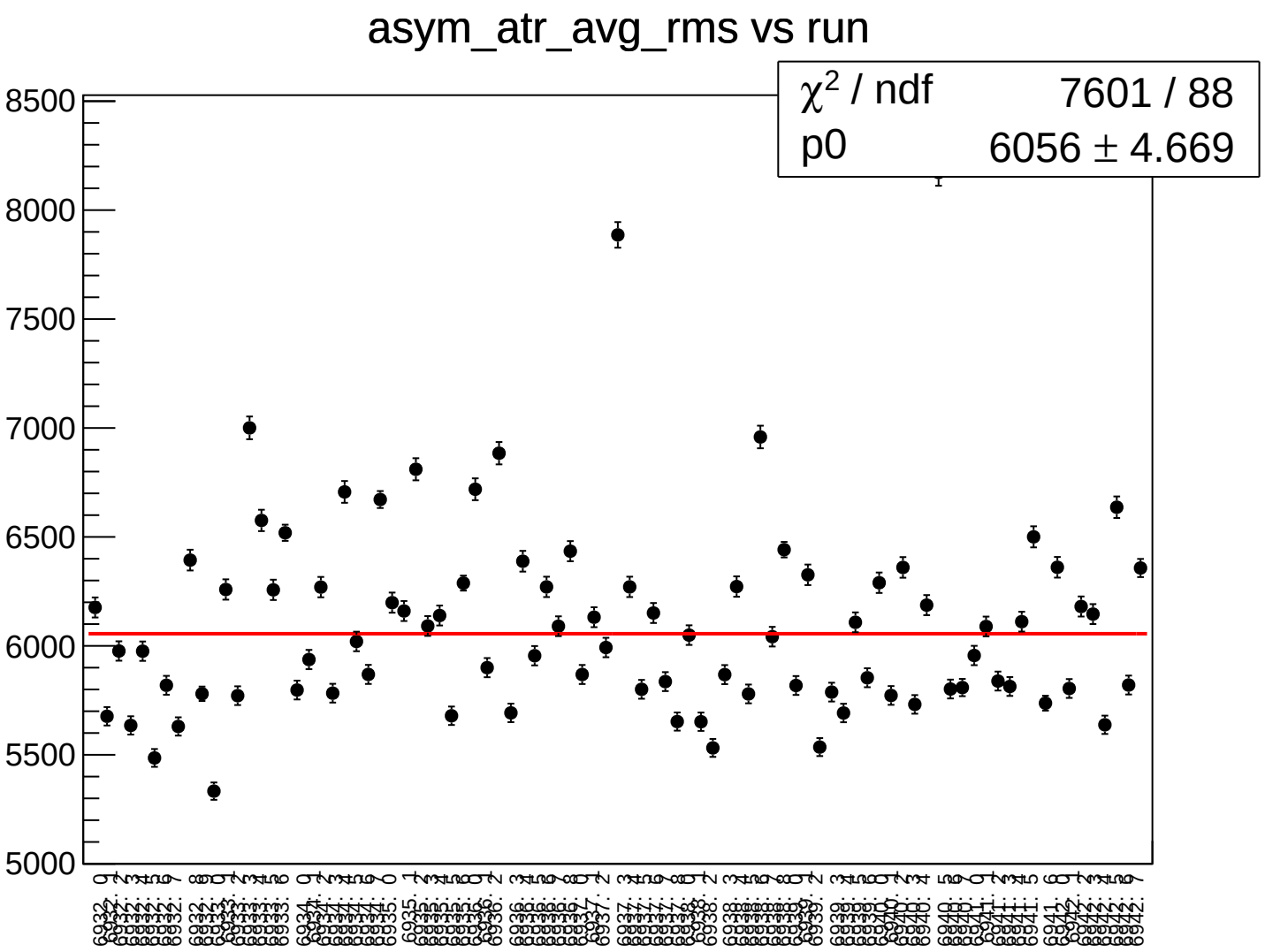

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 83.68 / 88
p0 5369 ± 6323
pull
Entries 89
Mean −1178
Std Dev 1216

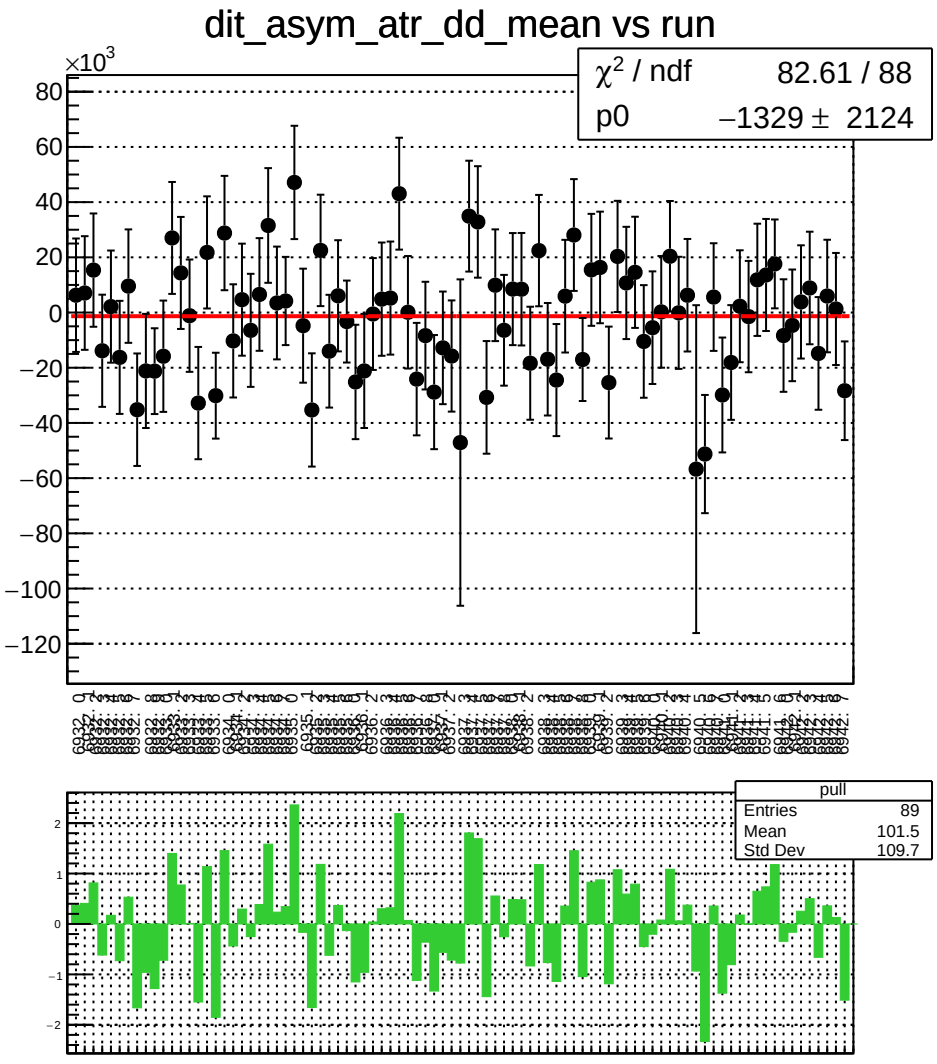

pull1D
Entries 89
Mean 0.001695
Std Dev 0.9697

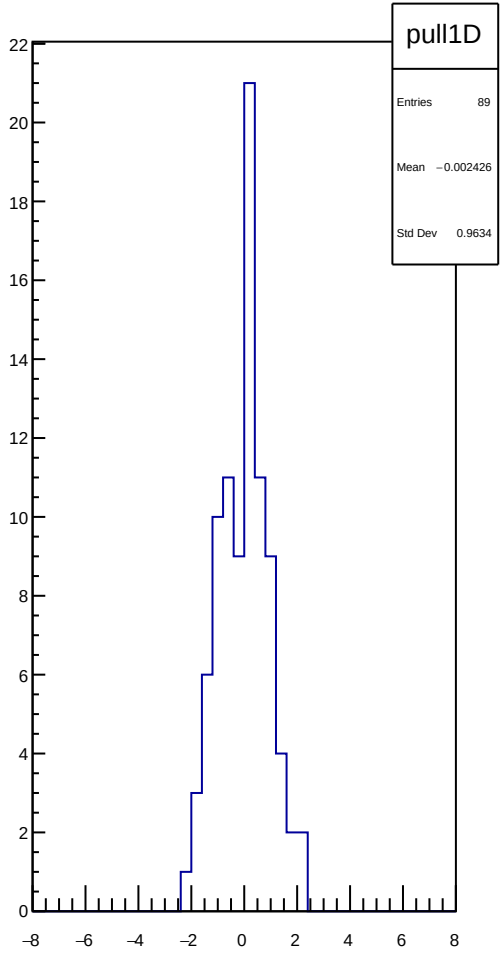

asym_atr_avg_correction_rms vs run
χ^2 / ndf 5753 / 88
p0 5803 ± 4.471
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

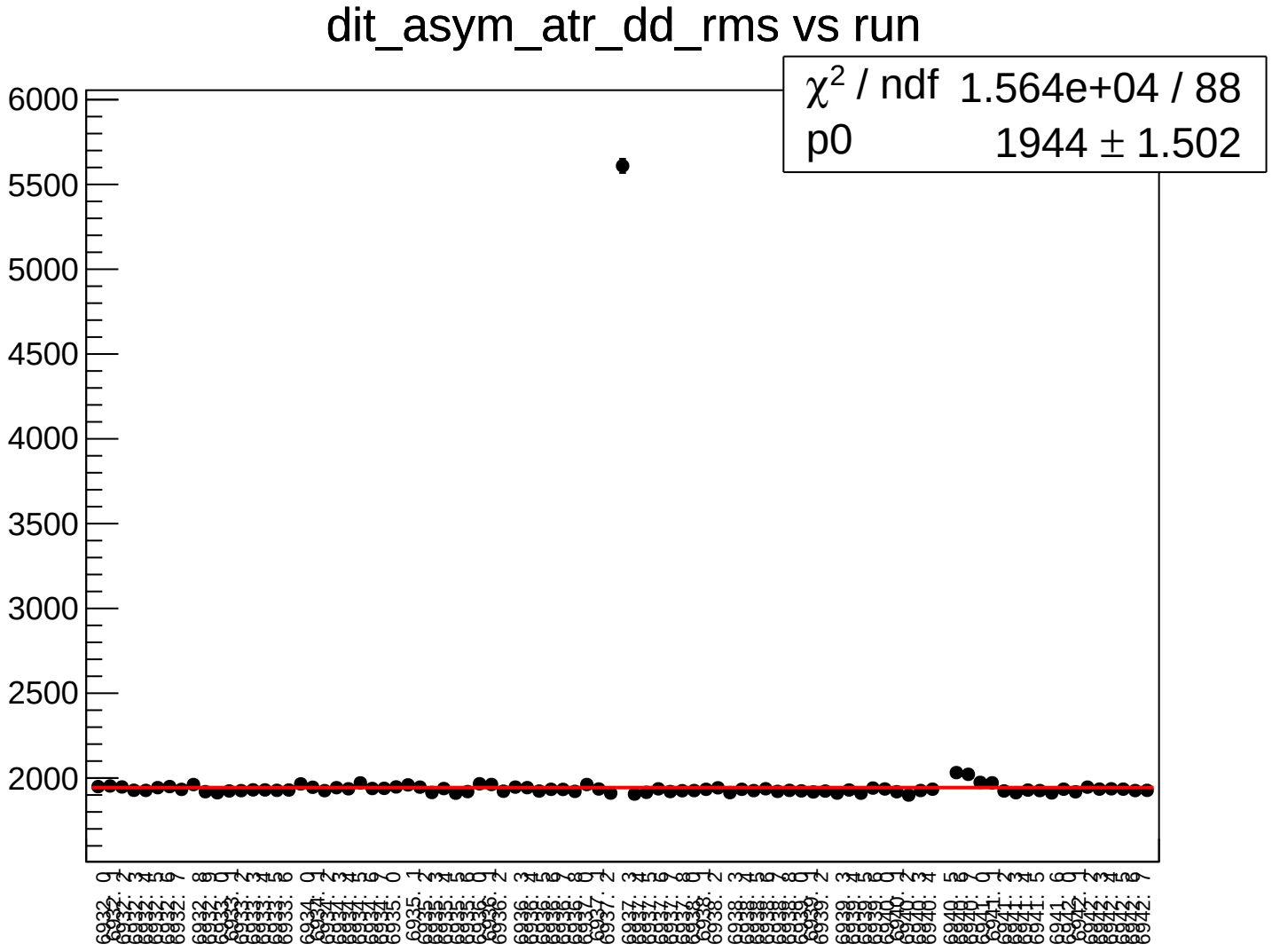

asym_atr_avg_mean vs run
χ^2 / ndf 85.09 / 88
p0 −8938 ± 6603
×10^3
pull
Entries 89
Mean −2745
Std Dev 2781

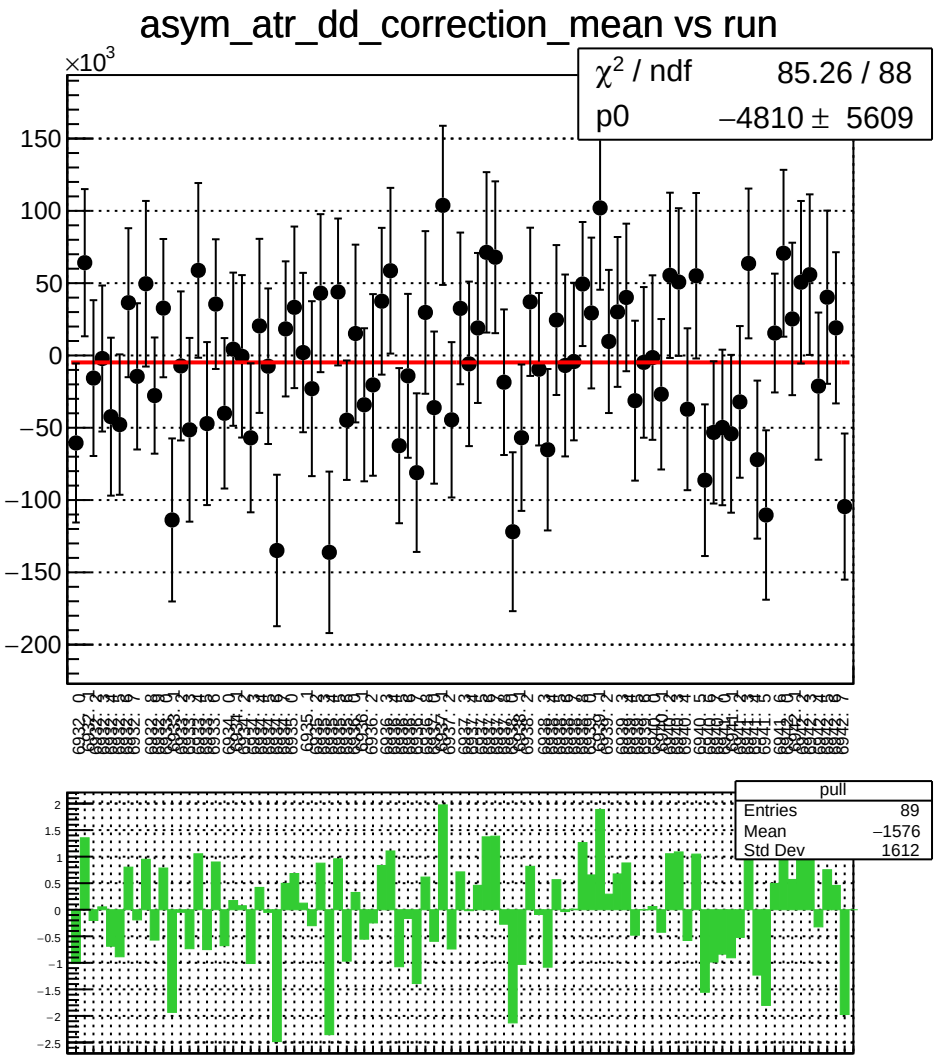

pull1D
Entries 89
Mean −0.000908
Std Dev 0.9778

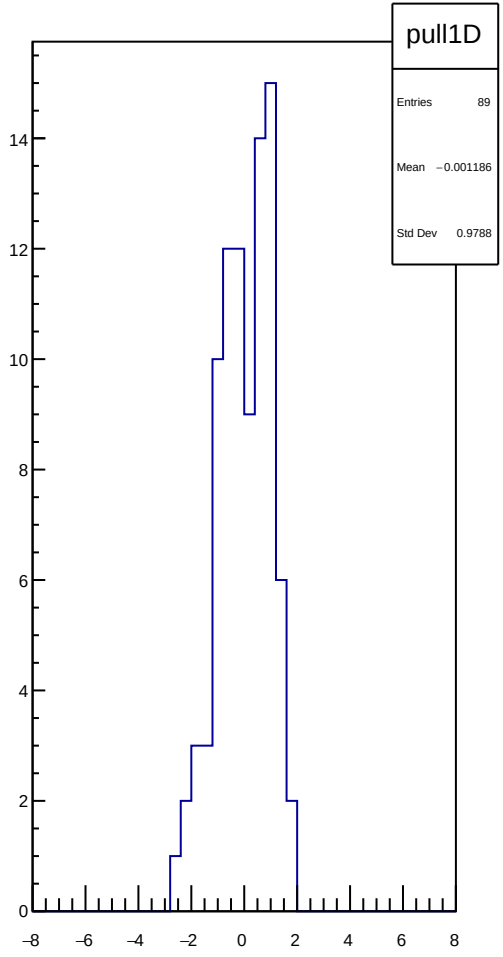

asym_atr_avg_rms vs run
χ² / ndf 7601 / 88
p0 6056 ± 4.669
8500
8000
7500
7000
6500
6000
5500
5000

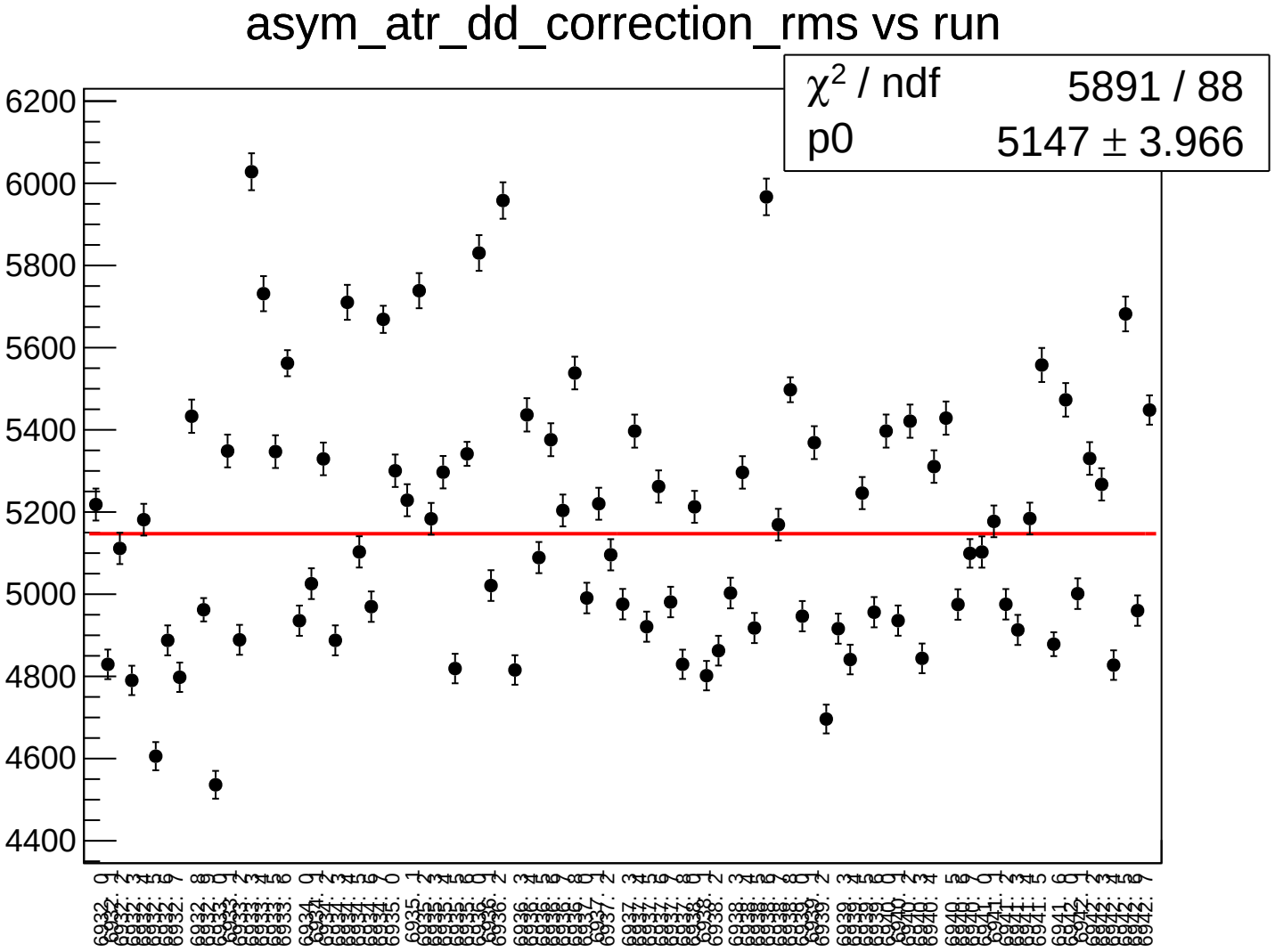

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 82.61 / 88
p0 −1329 ± 2124
pull
Entries 89
Mean 101.5
Std Dev 109.7

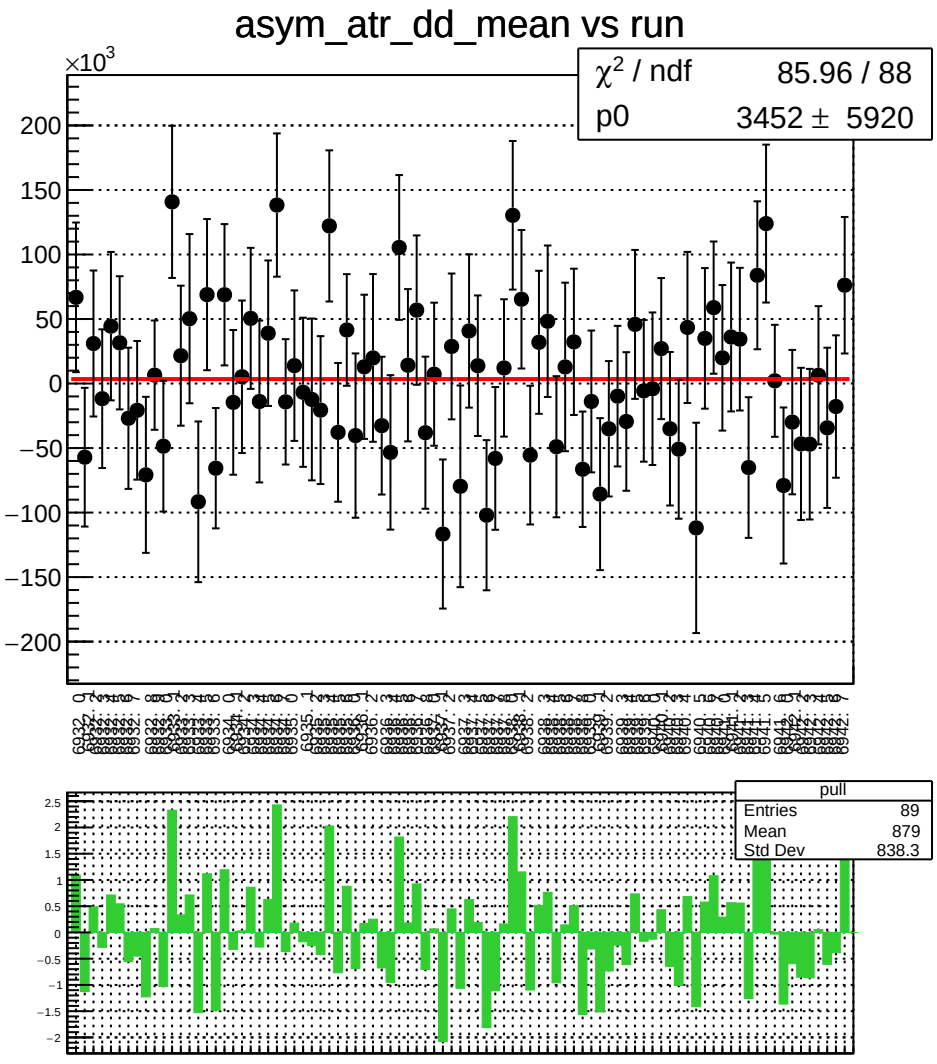

pull1D
Entries 89
Mean −0.002426
Std Dev 0.9634

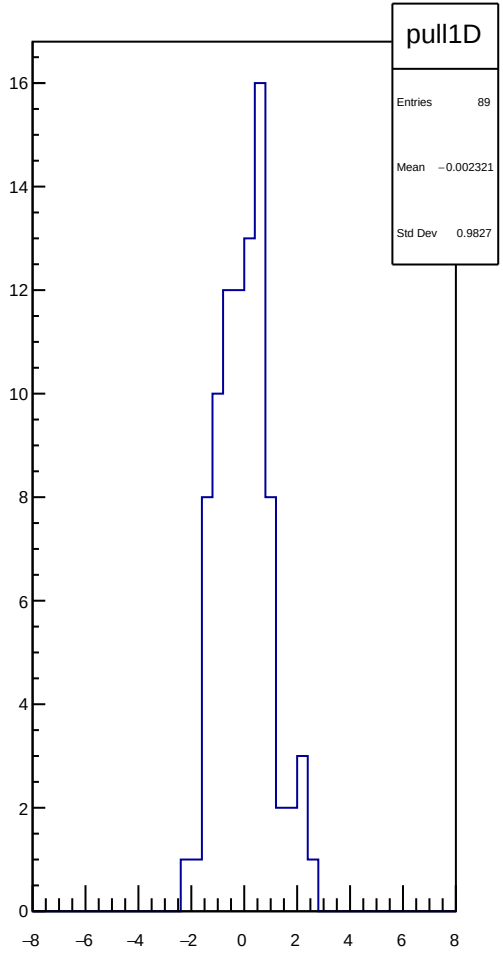

dit_asym_atr_dd_rms vs run
χ² / ndf 1.564e+04 / 88
p0 1944 ± 1.502
6000
5500
5000
4500
4000
3500
3000
2500
2000

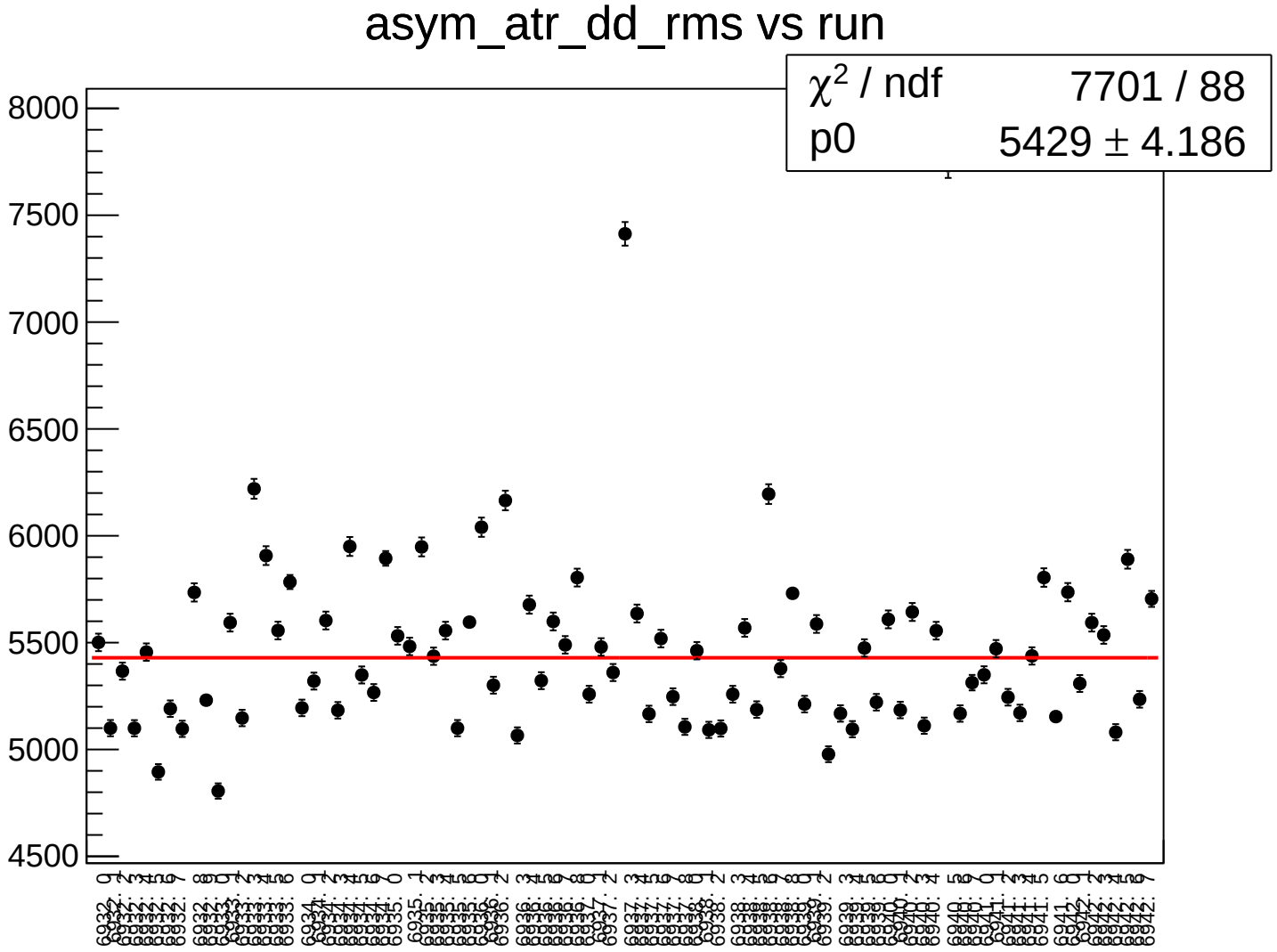

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 85.26 / 88
p0 −4810 ± 5609
pull
Entries 89
Mean −1576
Std Dev 1612

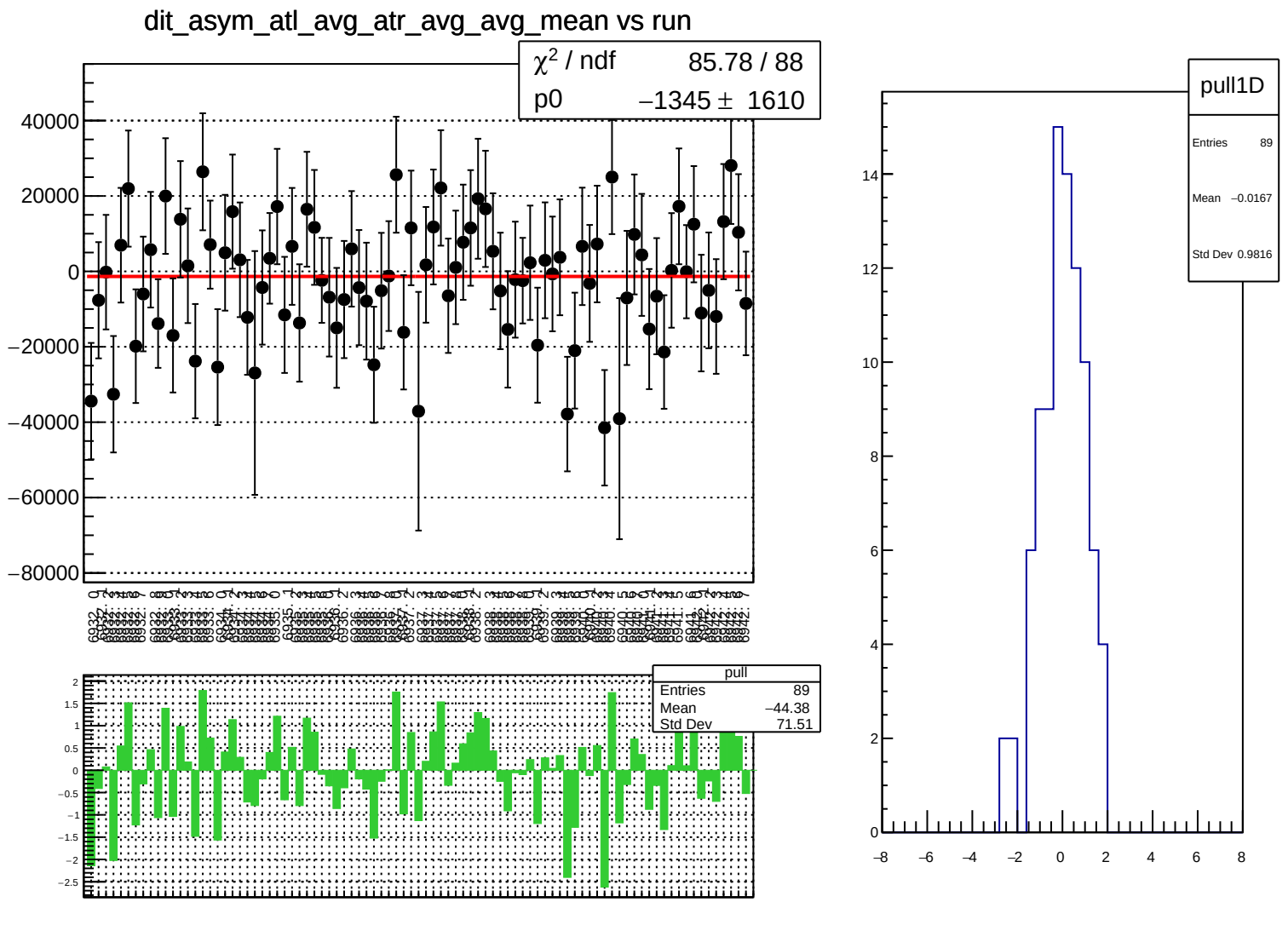

pull1D
Entries 89
Mean −0.001186
Std Dev 0.9788

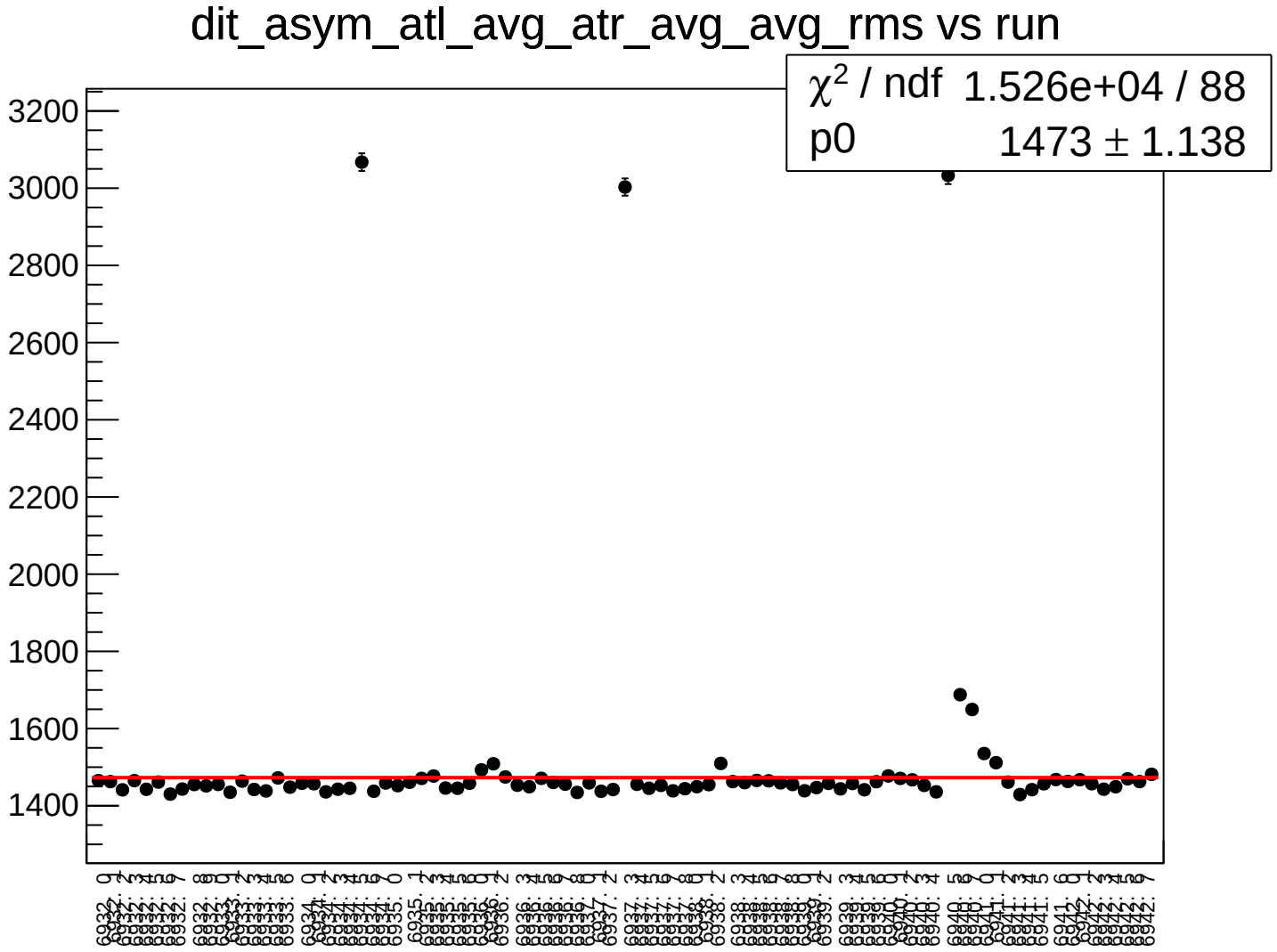

asym_atr_dd_correction_rms vs run
χ^2 / ndf 5891 / 88
p0 5147 ± 3.966
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

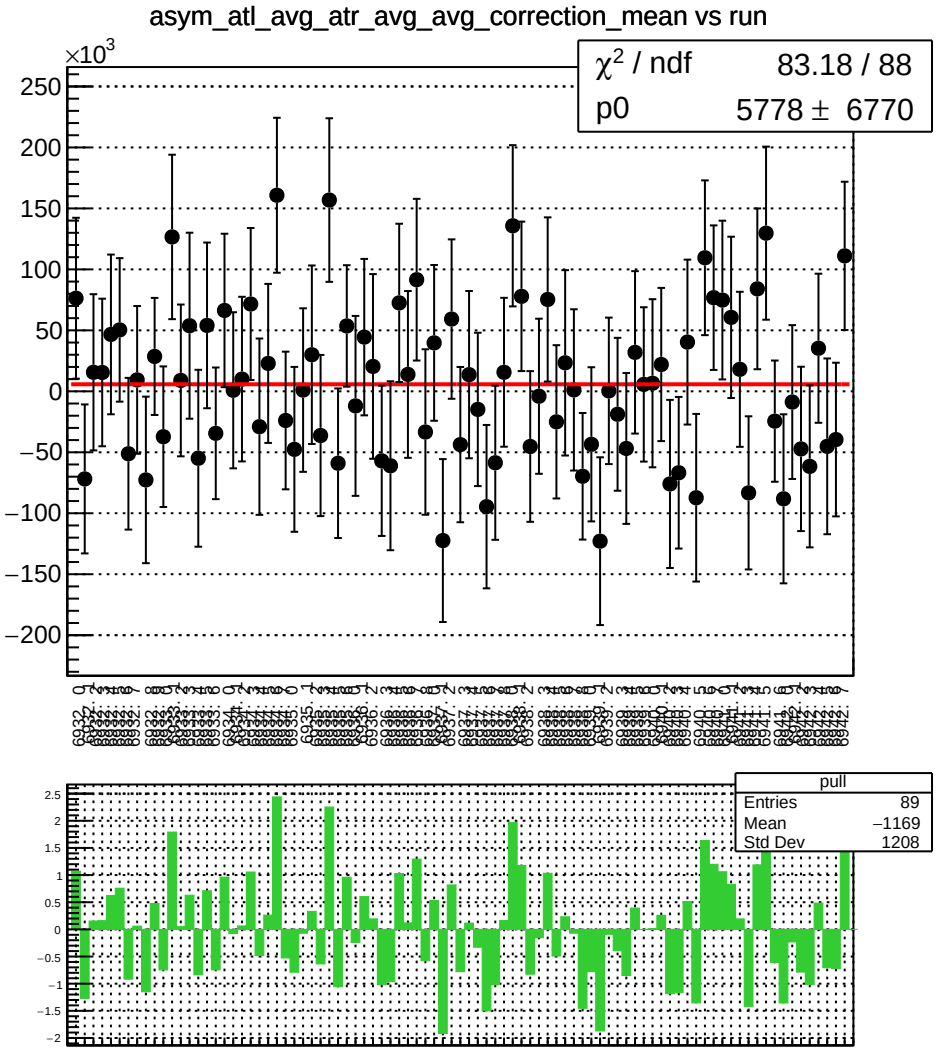

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 85.96 / 88
p0 3452 ± 5920
pull
Entries 89
Mean 879
Std Dev 838.3

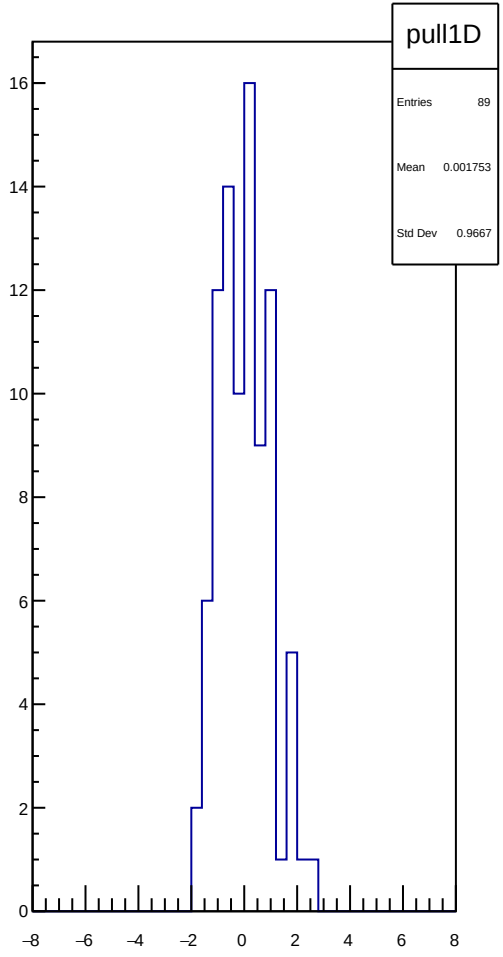

pull1D
Entries 89
Mean −0.002321
Std Dev 0.9827

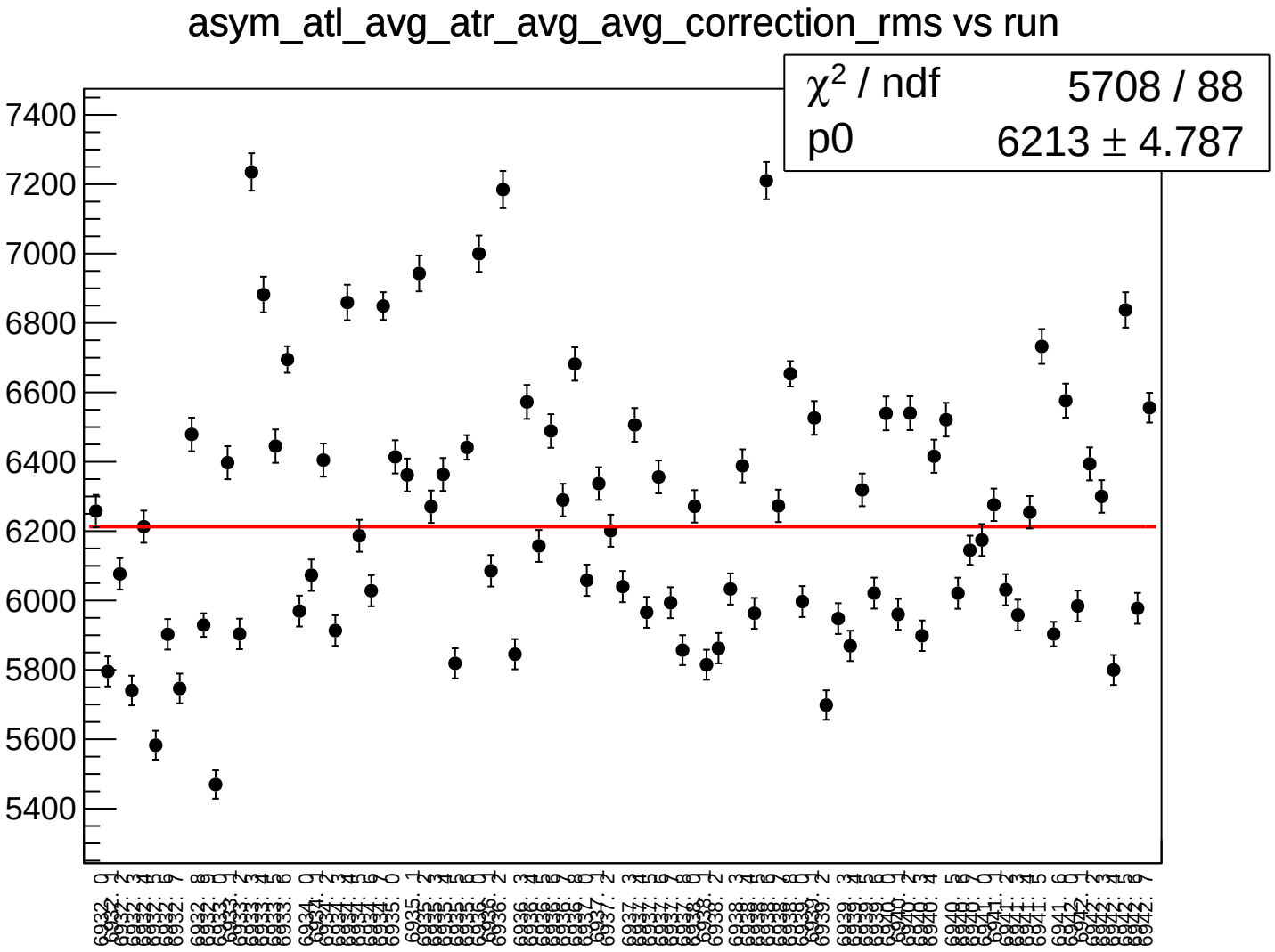

asym_atr_dd_rms vs run
χ² / ndf 7701 / 88
p0 5429 ± 4.186
8000
7500
7000
6500
6000
5500
5000
4500

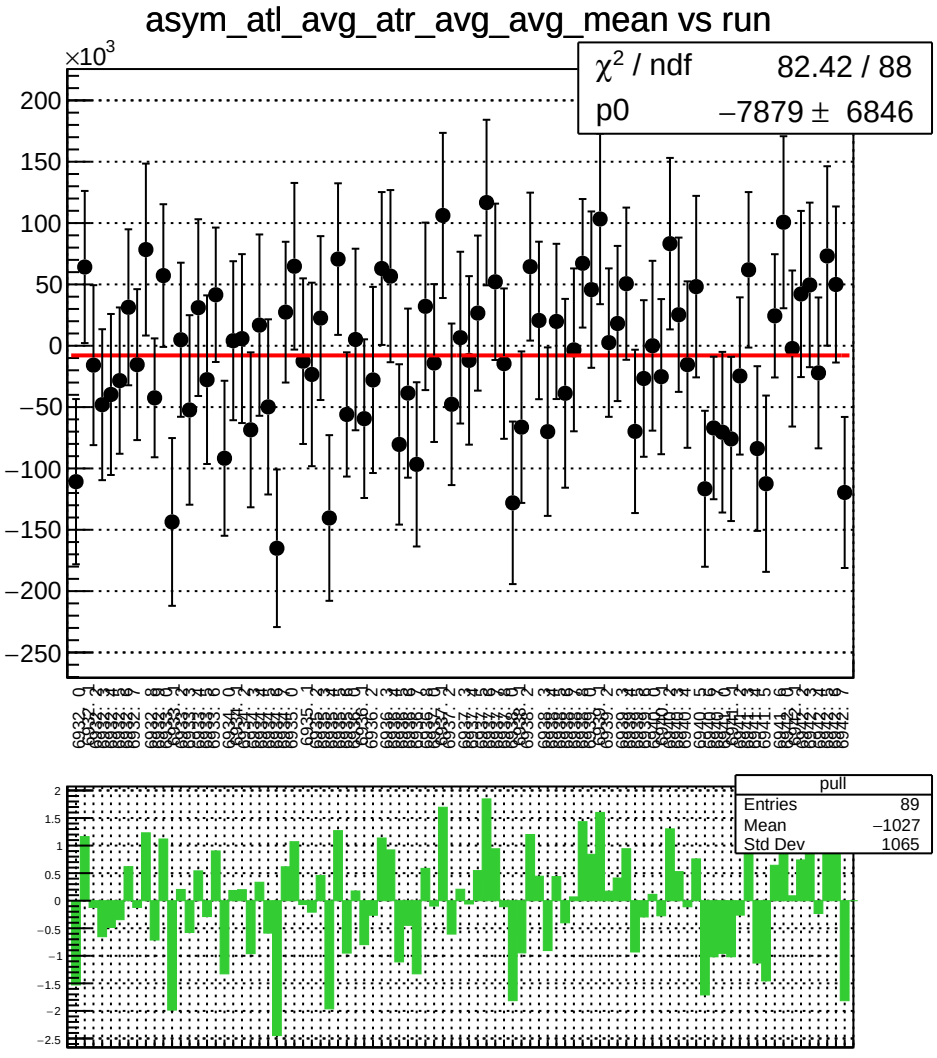

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 85.78 / 88
p0 −1345 ± 1610
pull
Entries 89
Mean −44.38
Std Dev 71.51
pull1D
Entries 89
Mean −0.0167
Std Dev 0.9816

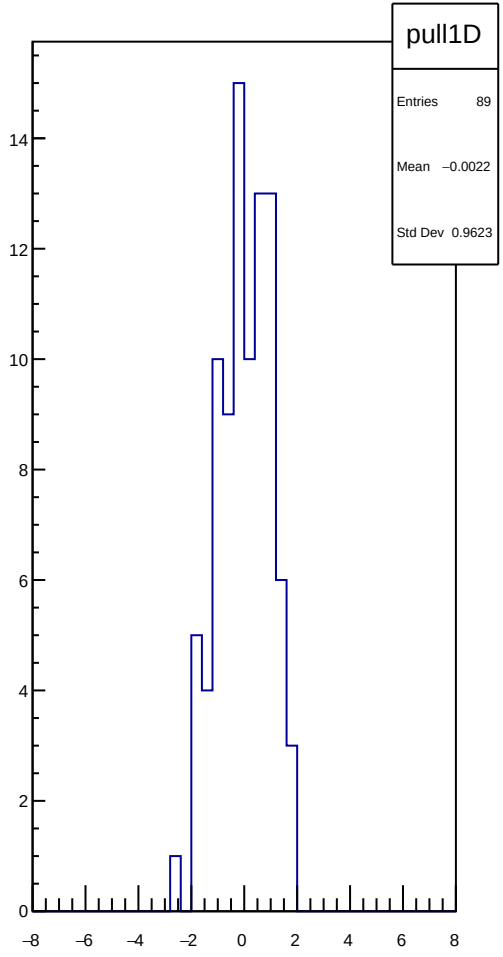

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.526e+04 / 88
p0 1473 ± 1.138
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400


asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 83.18 / 88
p0 5778 ± 6770
pull
Entries 89
Mean −1169
Std Dev 1208

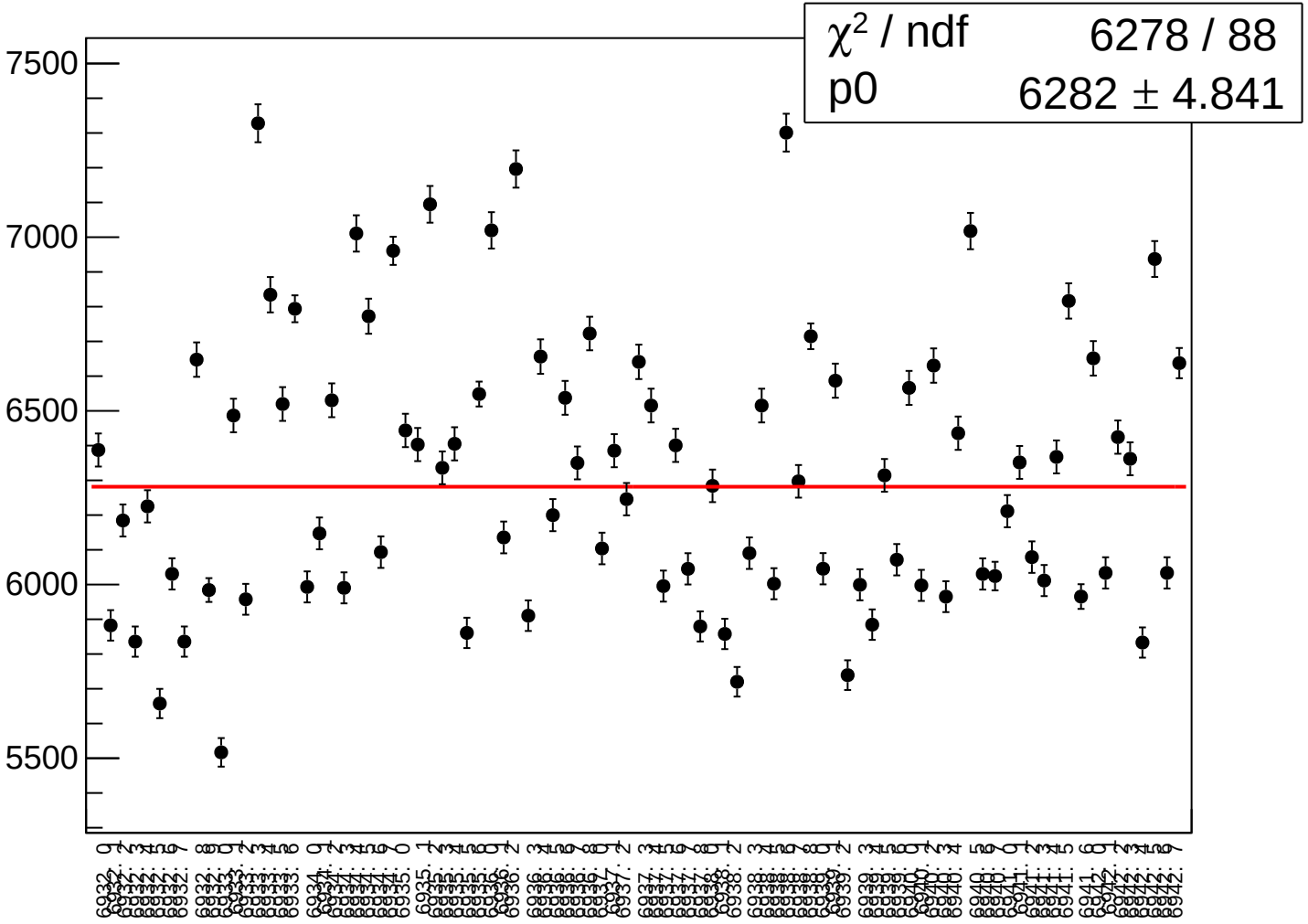

pull1D
Entries 89
Mean 0.001753
Std Dev 0.9667

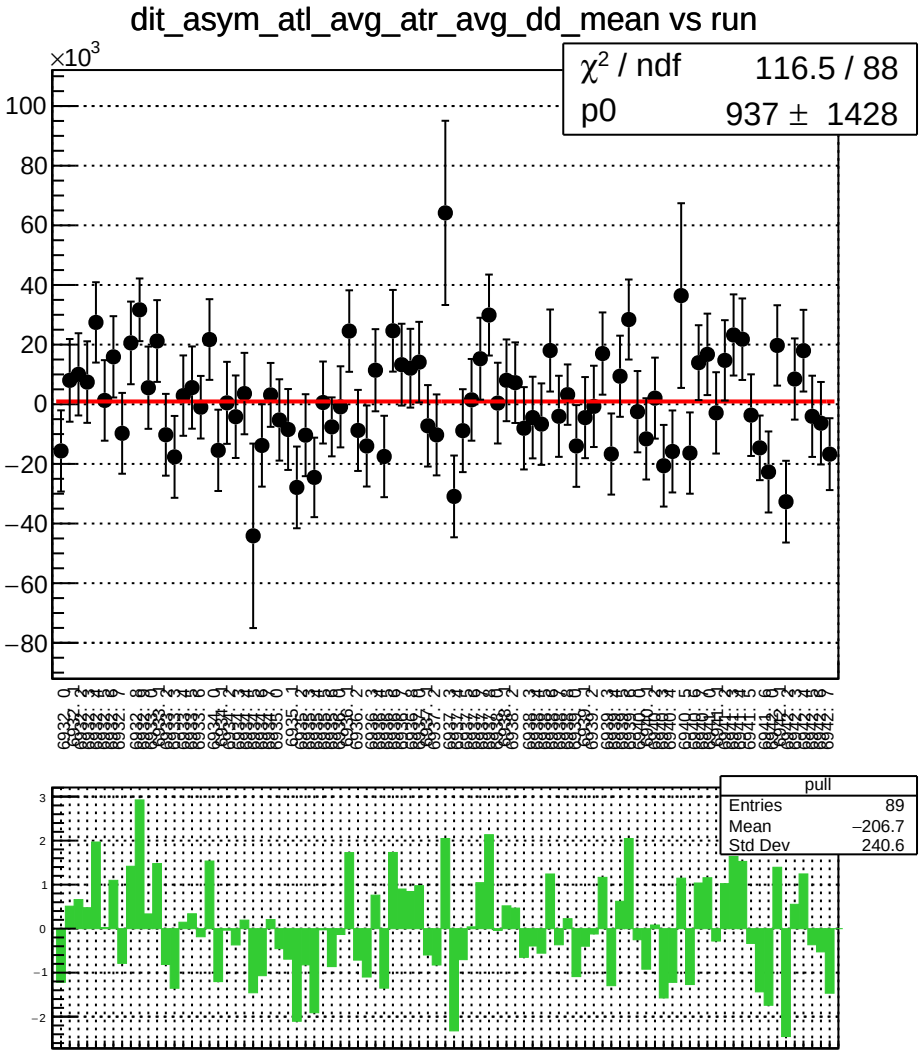

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5708 / 88
p0 6213 ± 4.787
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

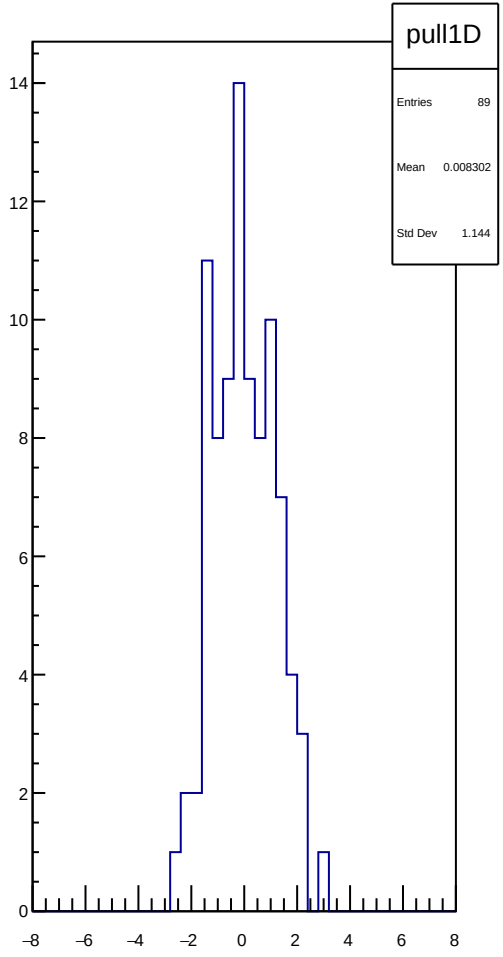

asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 82.42 / 88
p0 −7879 ± 6846
×10^3
pull
Entries 89
Mean −1027
Std Dev 1065


pull1D
Entries 89
Mean −0.0022
Std Dev 0.9623

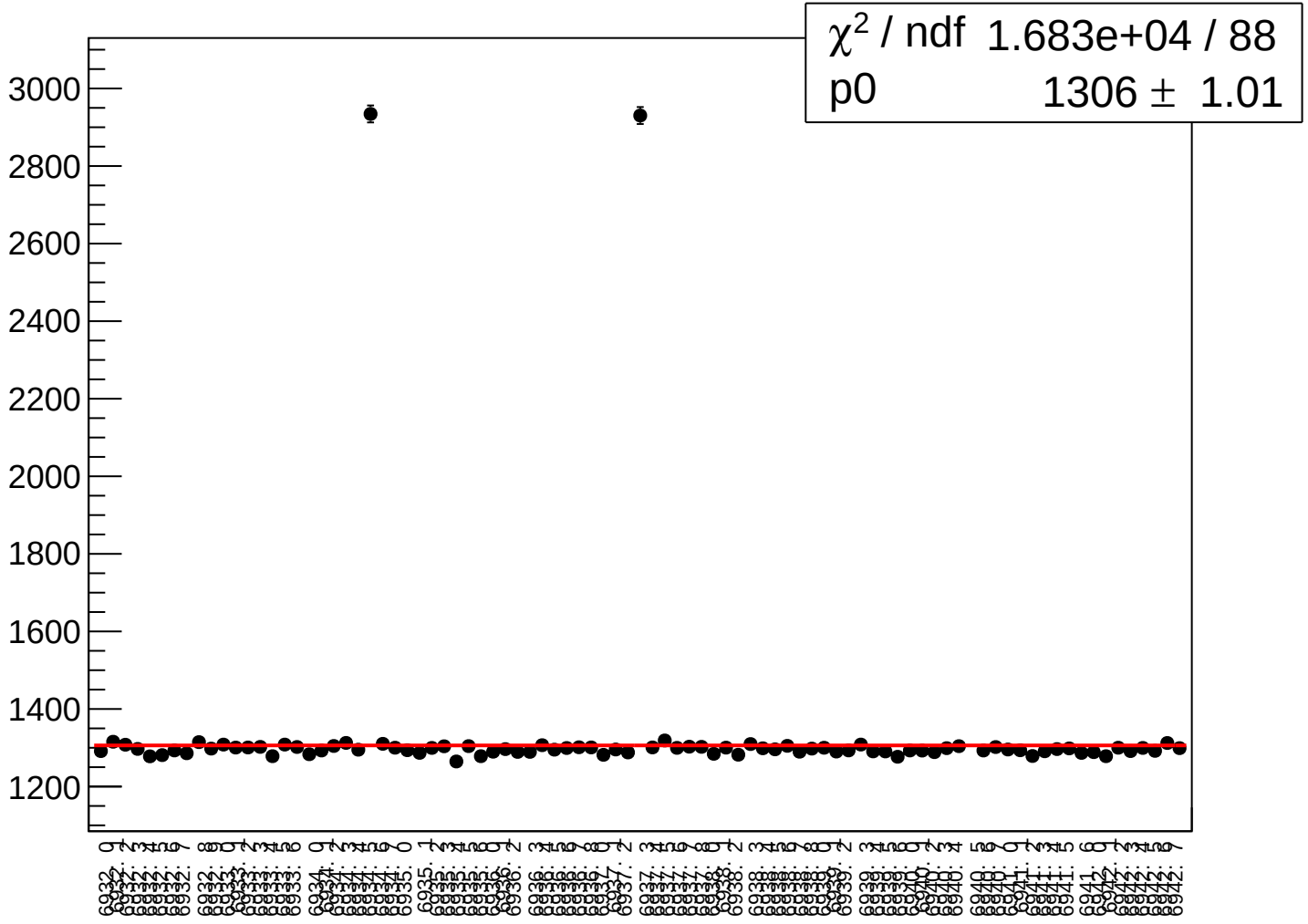
asym_atl_avg_atr_avg_avg_rms vs run

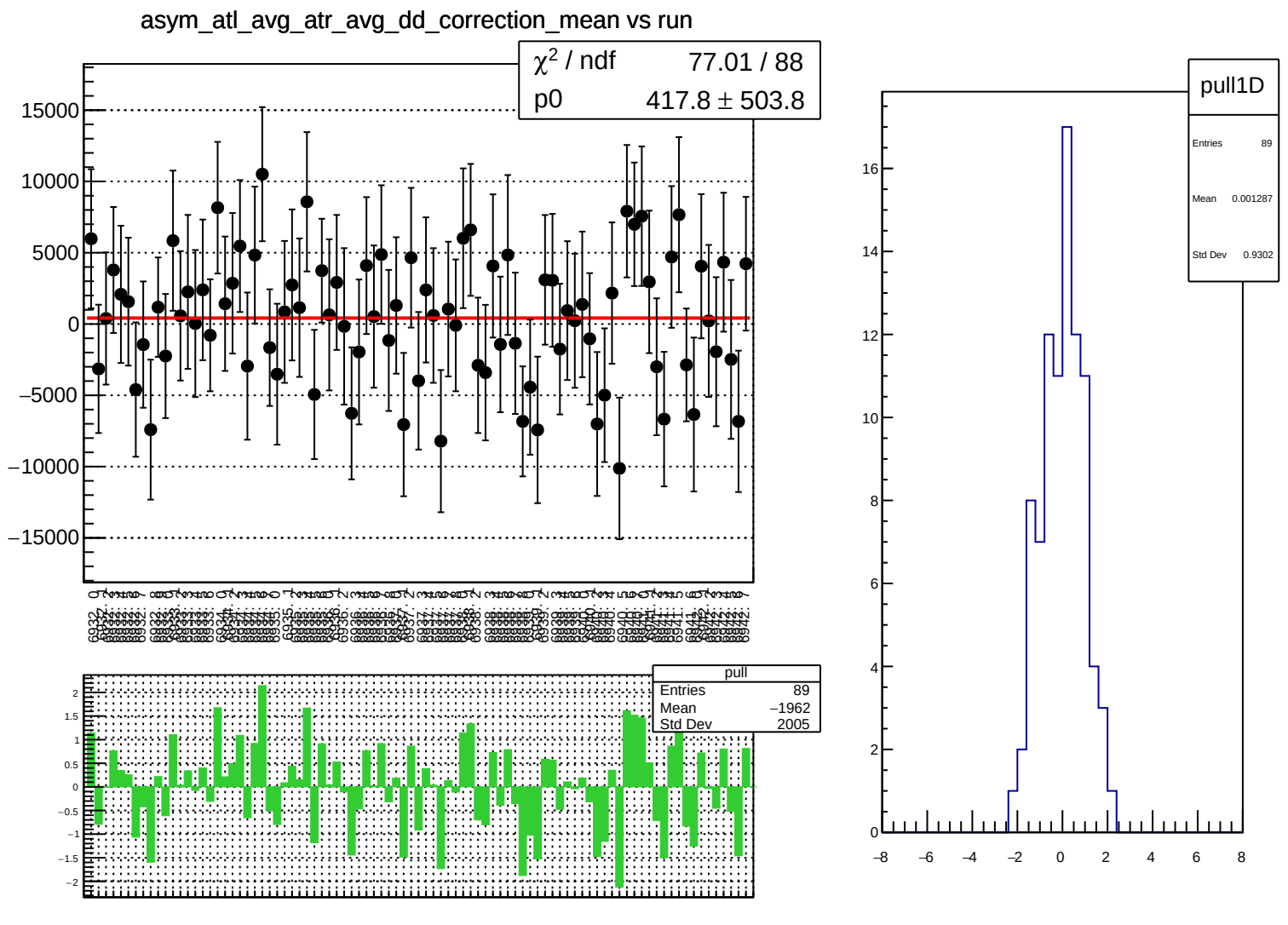


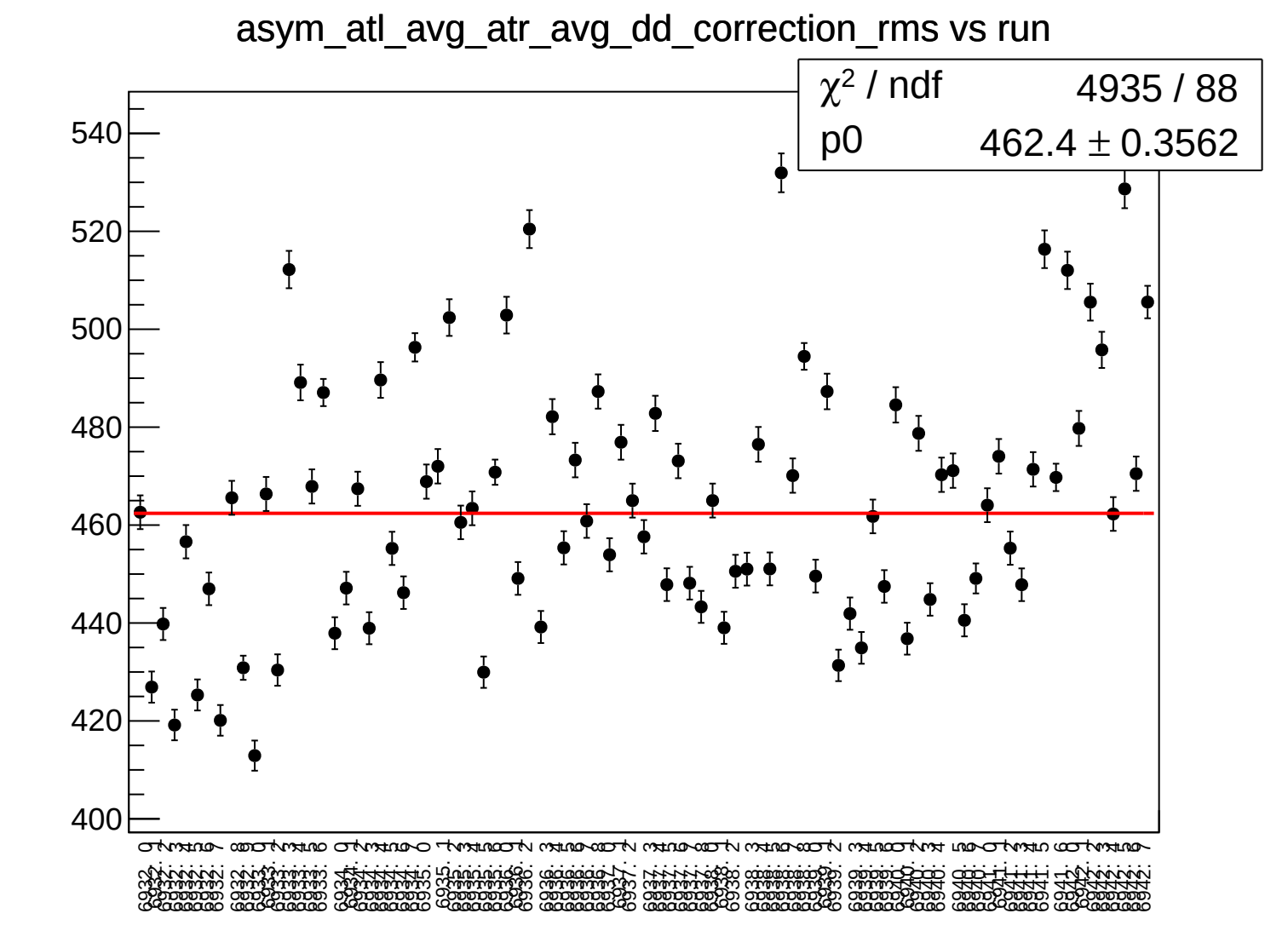

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 116.5 / 88
p0 937 ± 1428
pull
Entries 89
Mean −206.7
Std Dev 240.6

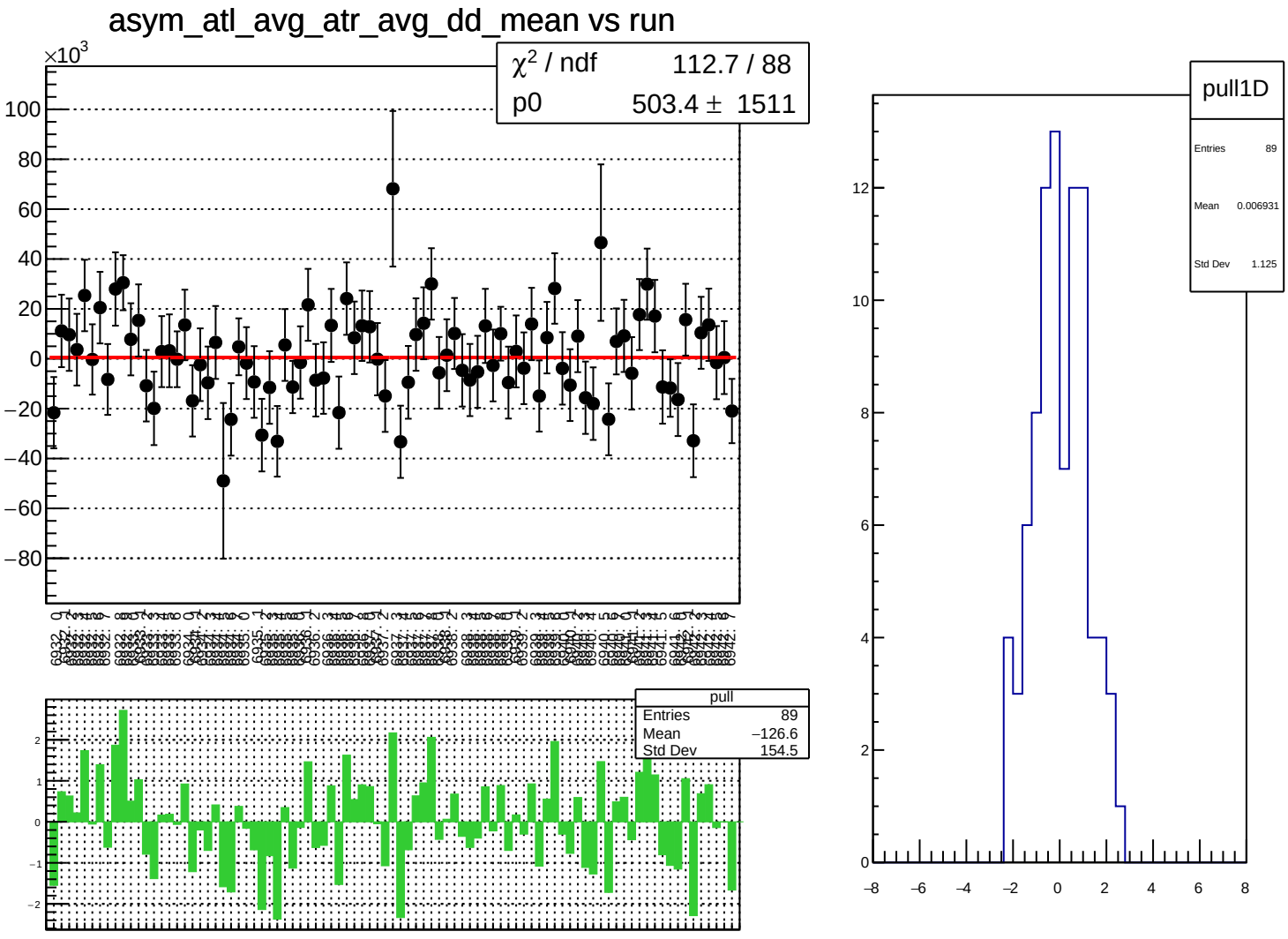

pull1D
Entries 89
Mean 0.008302
Std Dev 1.144

dit_asym_atl_avg_atr_avg_dd_rms vs run

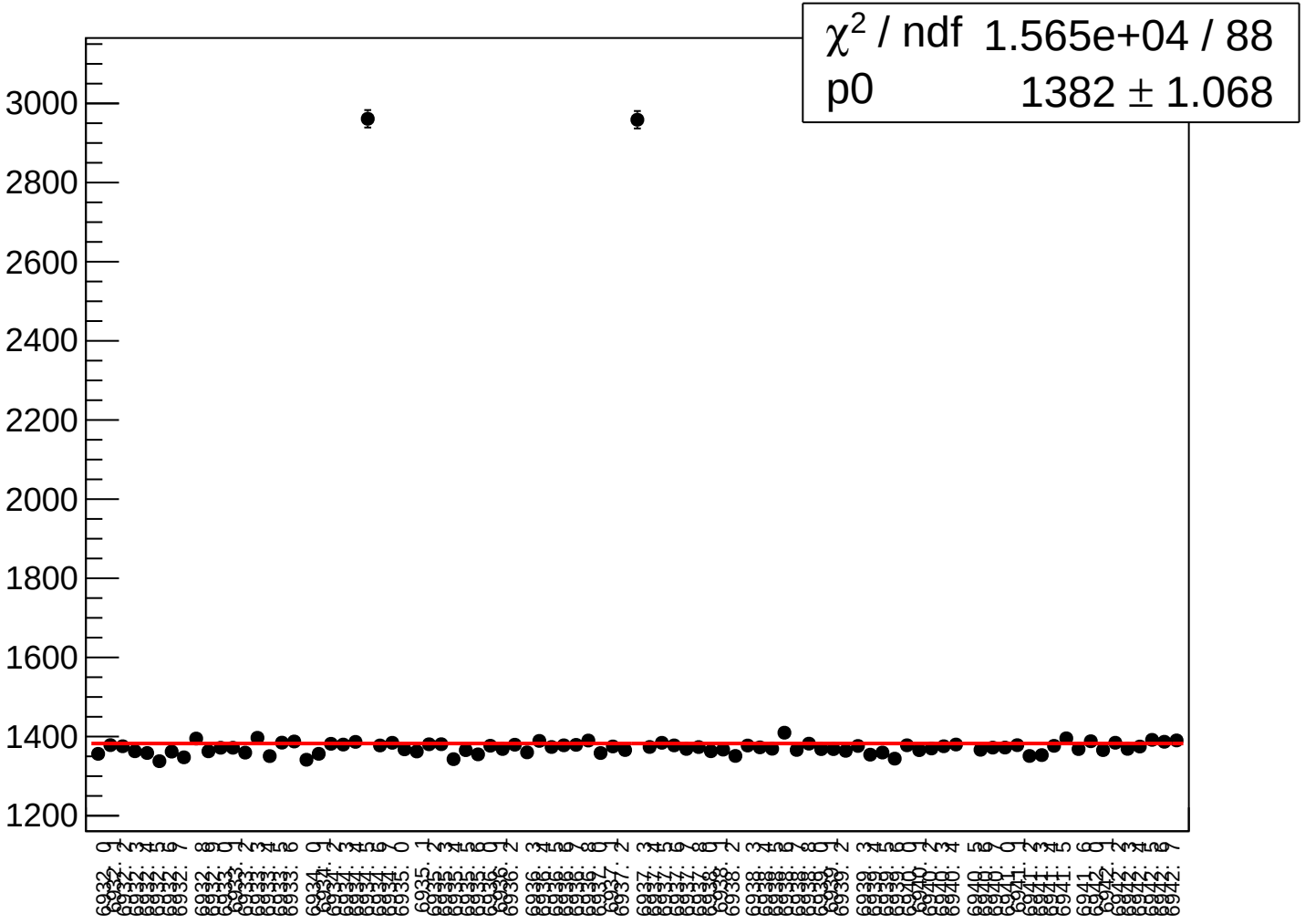


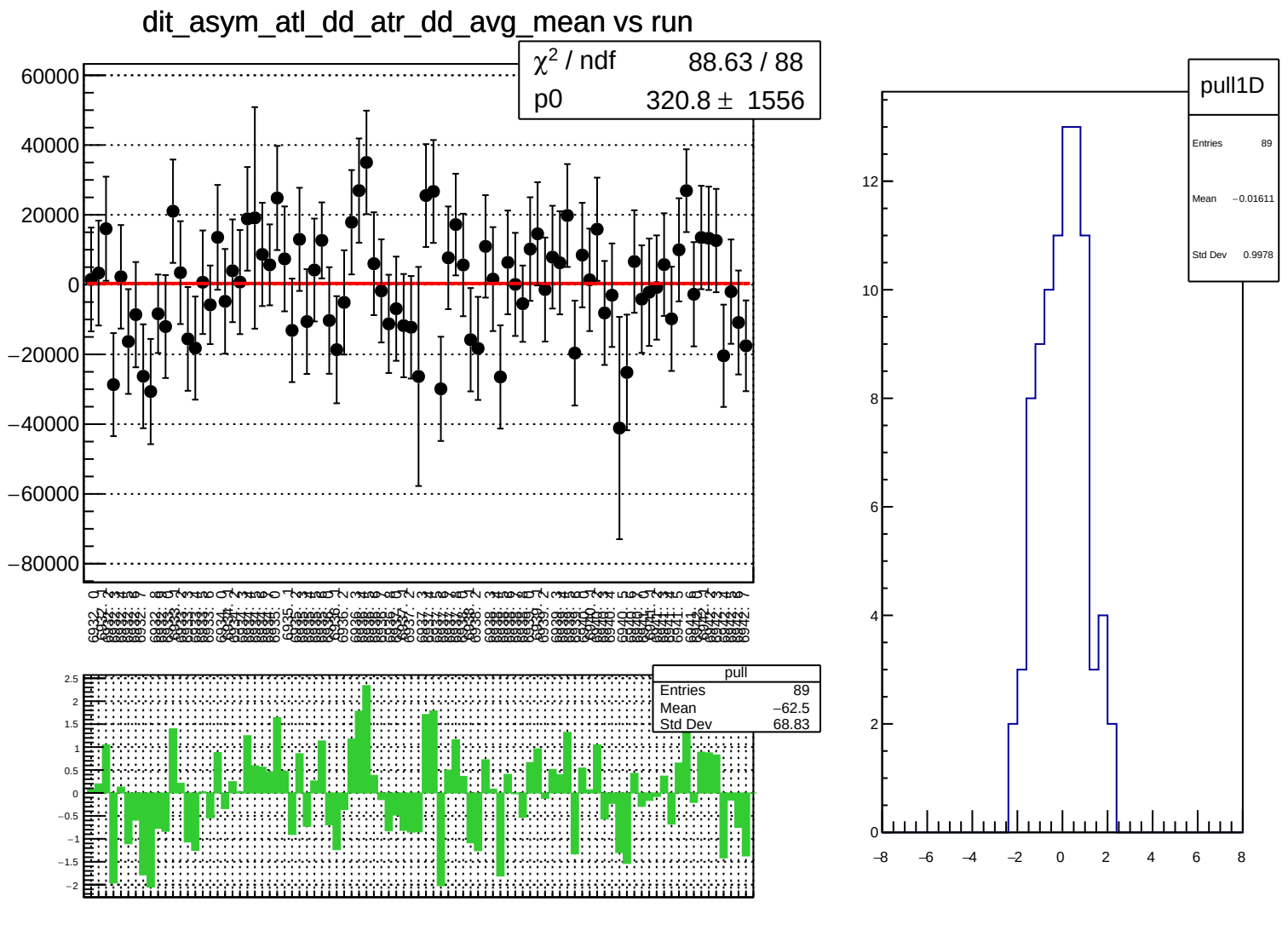

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 77.01 / 88
p0 417.8 ± 503.8
pull
Entries 89
Mean −1962
Std Dev 2005
pull1D
Entries 89
Mean 0.001287
Std Dev 0.9302


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4935 / 88
p0 462.4 ± 0.3562
540
520
500
480
460
440
420
400

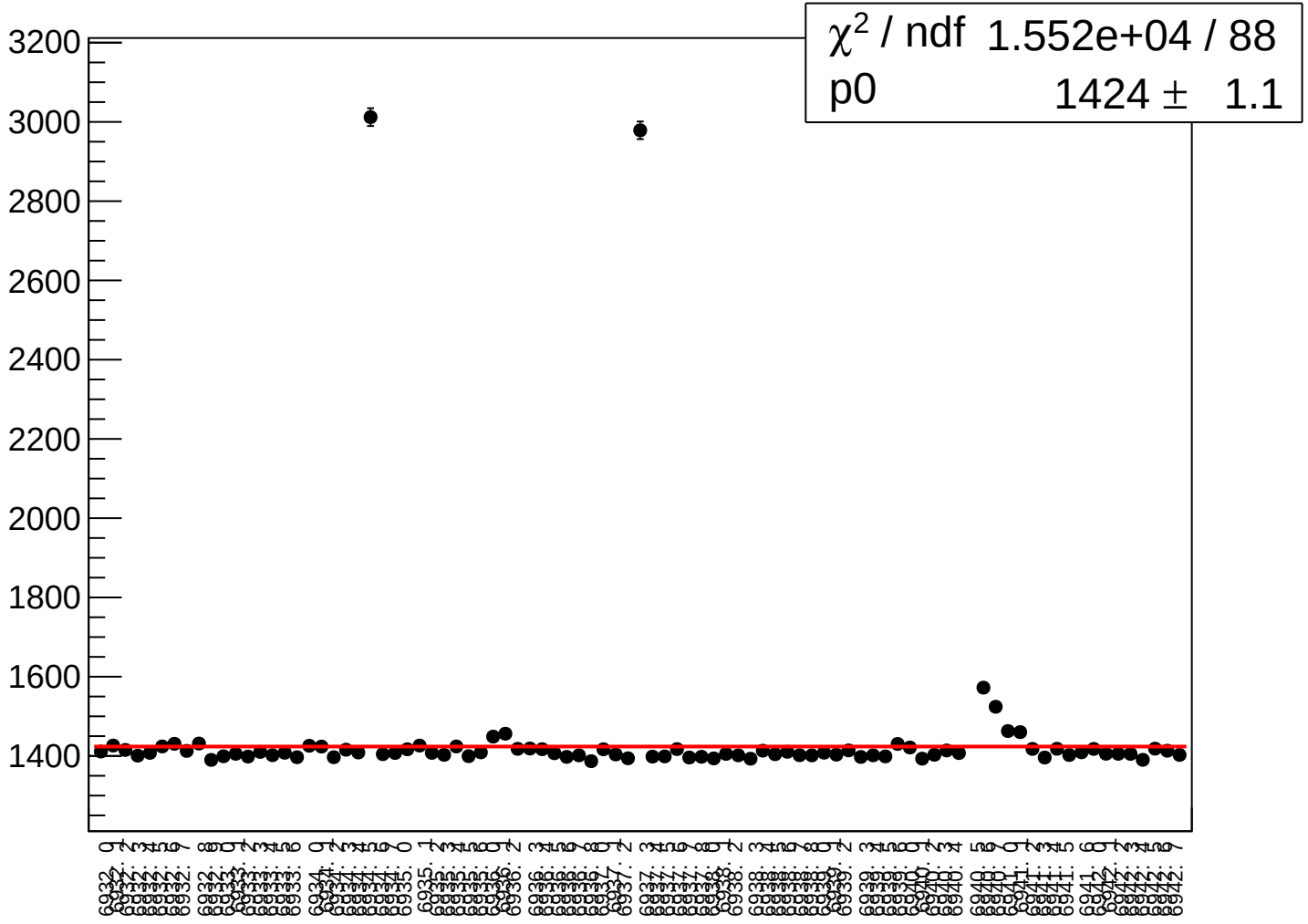

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 112.7 / 88
p0 503.4 ± 1511
pull
Entries 89
Mean −126.6
Std Dev 154.5
pull1D
Entries 89
Mean 0.006931
Std Dev 1.125

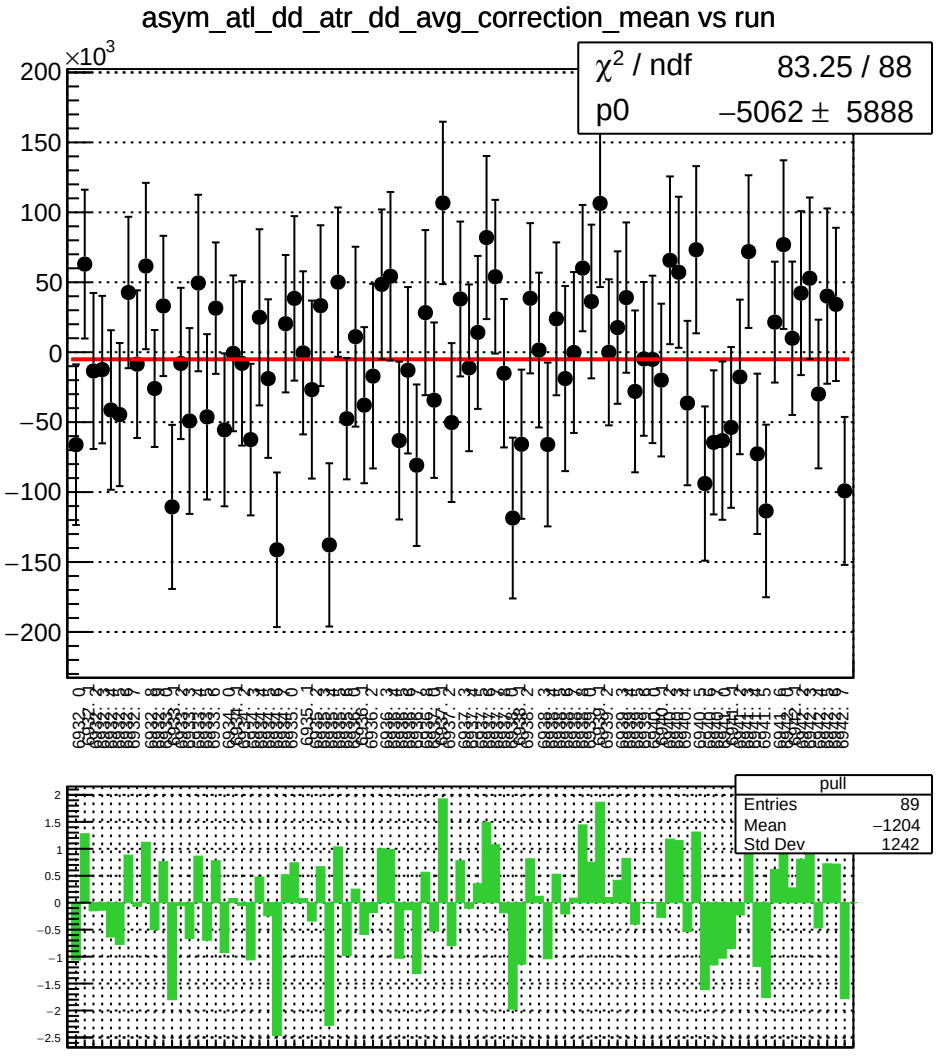
asym_atl_avg_atr_avg_dd_rms vs run

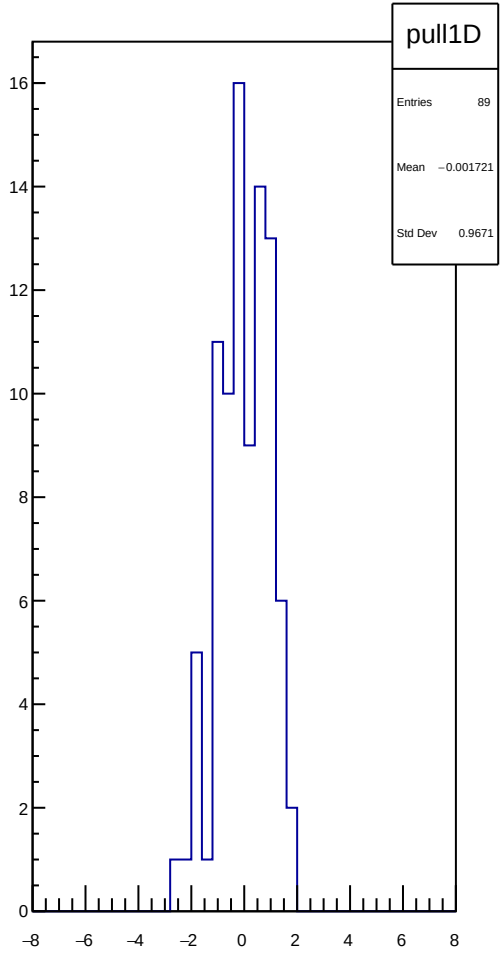


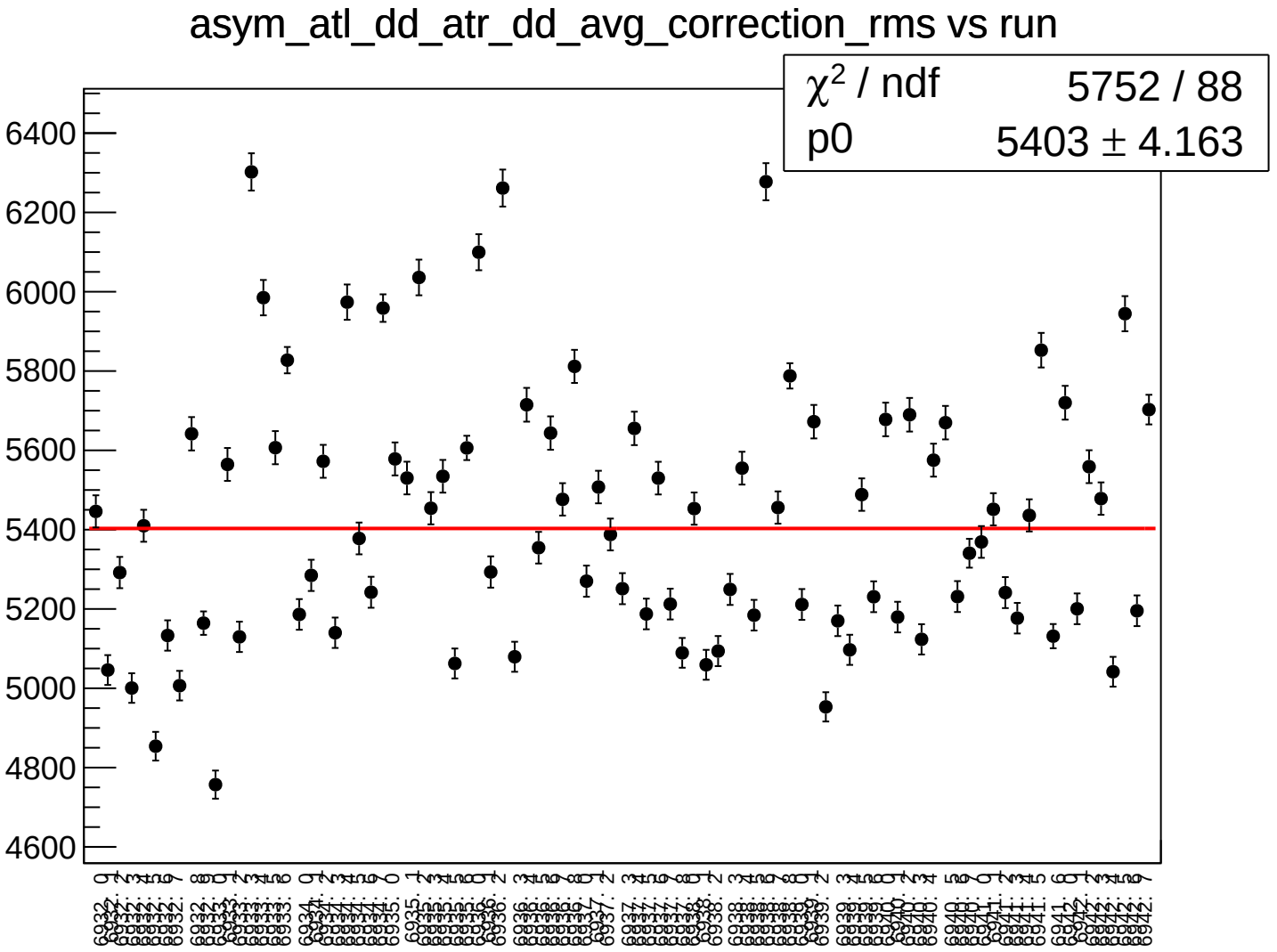

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 88.63 / 88
p0 320.8 ± 1556
pull
Entries 89
Mean −62.5
Std Dev 68.83
pull1D
Entries 89
Mean −0.01611
Std Dev 0.9978

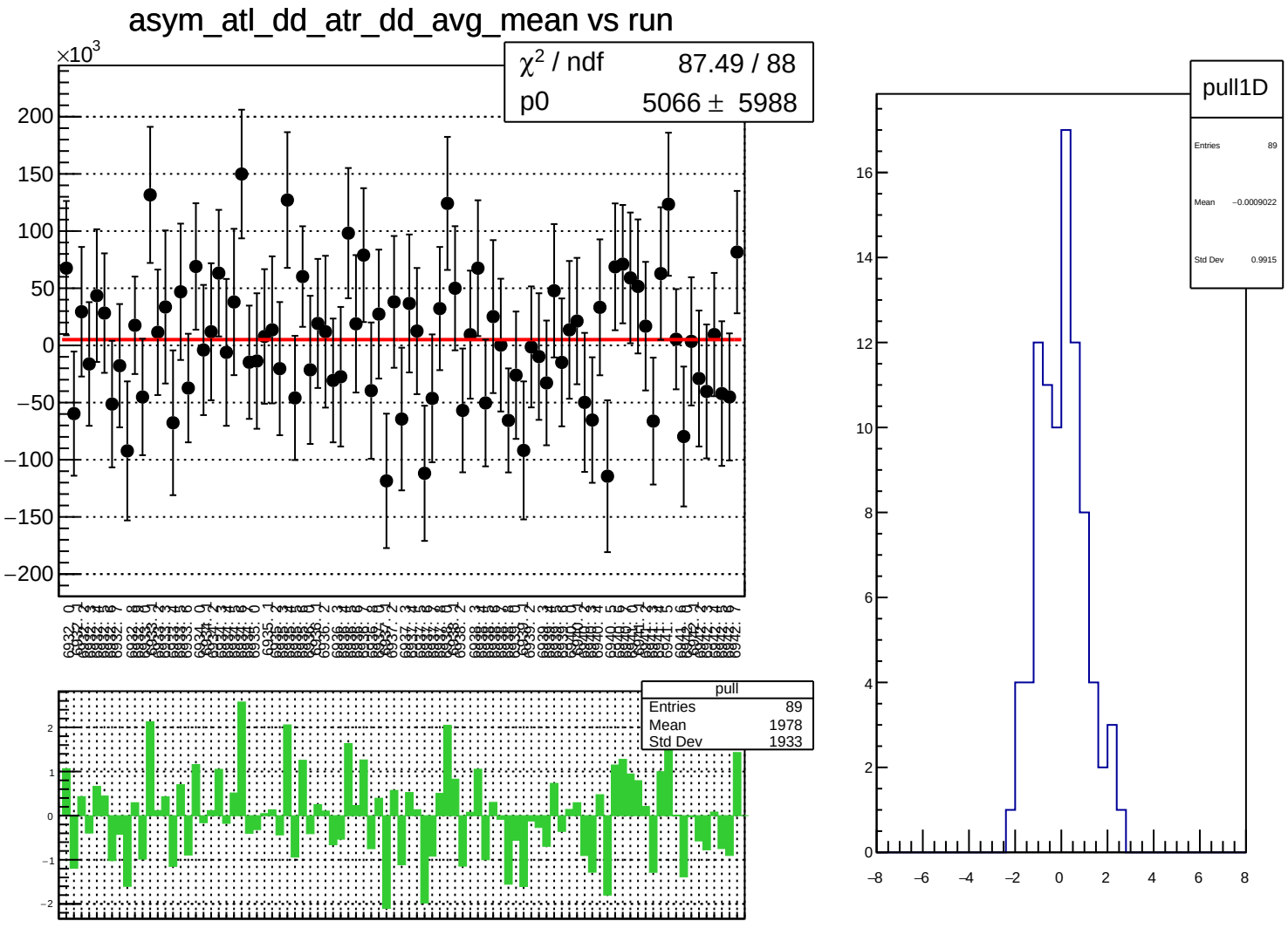
dit_asym_atl_dd_atr_dd_avg_rms vs run



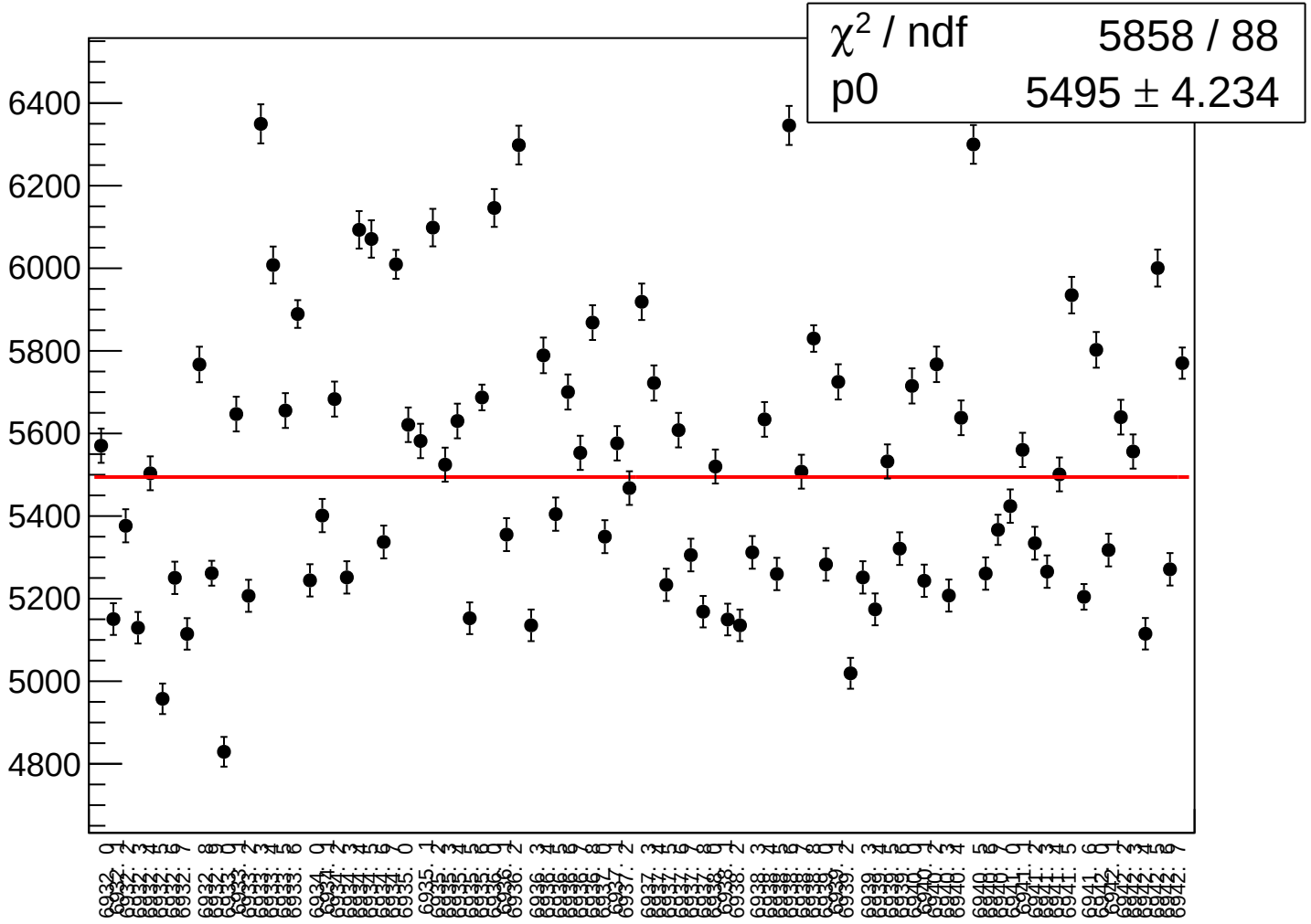

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 83.25 / 88
p0 −5062 ± 5888
pull
Entries 89
Mean −1204
Std Dev 1242

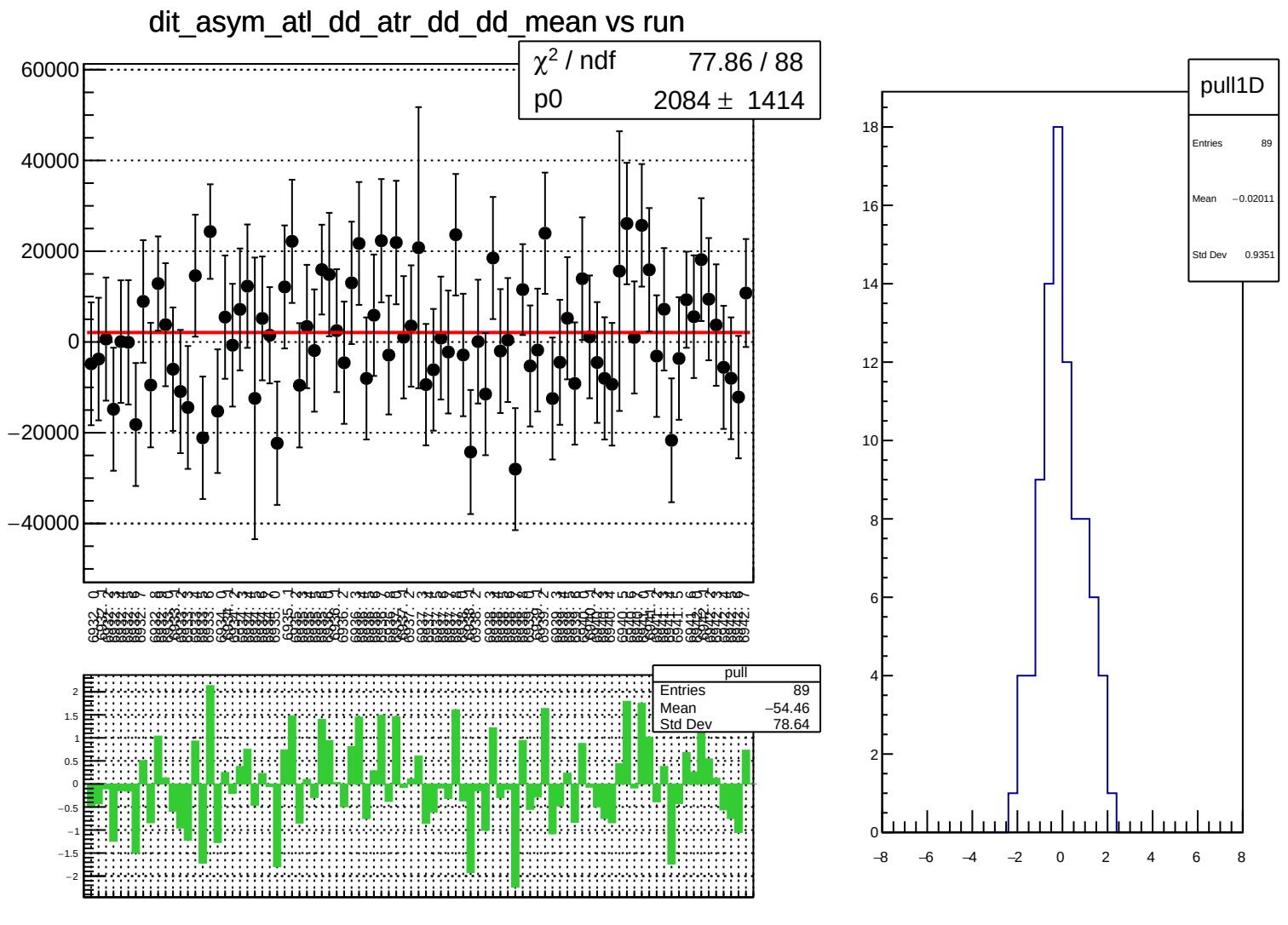

pull1D
Entries 89
Mean −0.001721
Std Dev 0.9671


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5752 / 88
p0 5403 ± 4.163
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

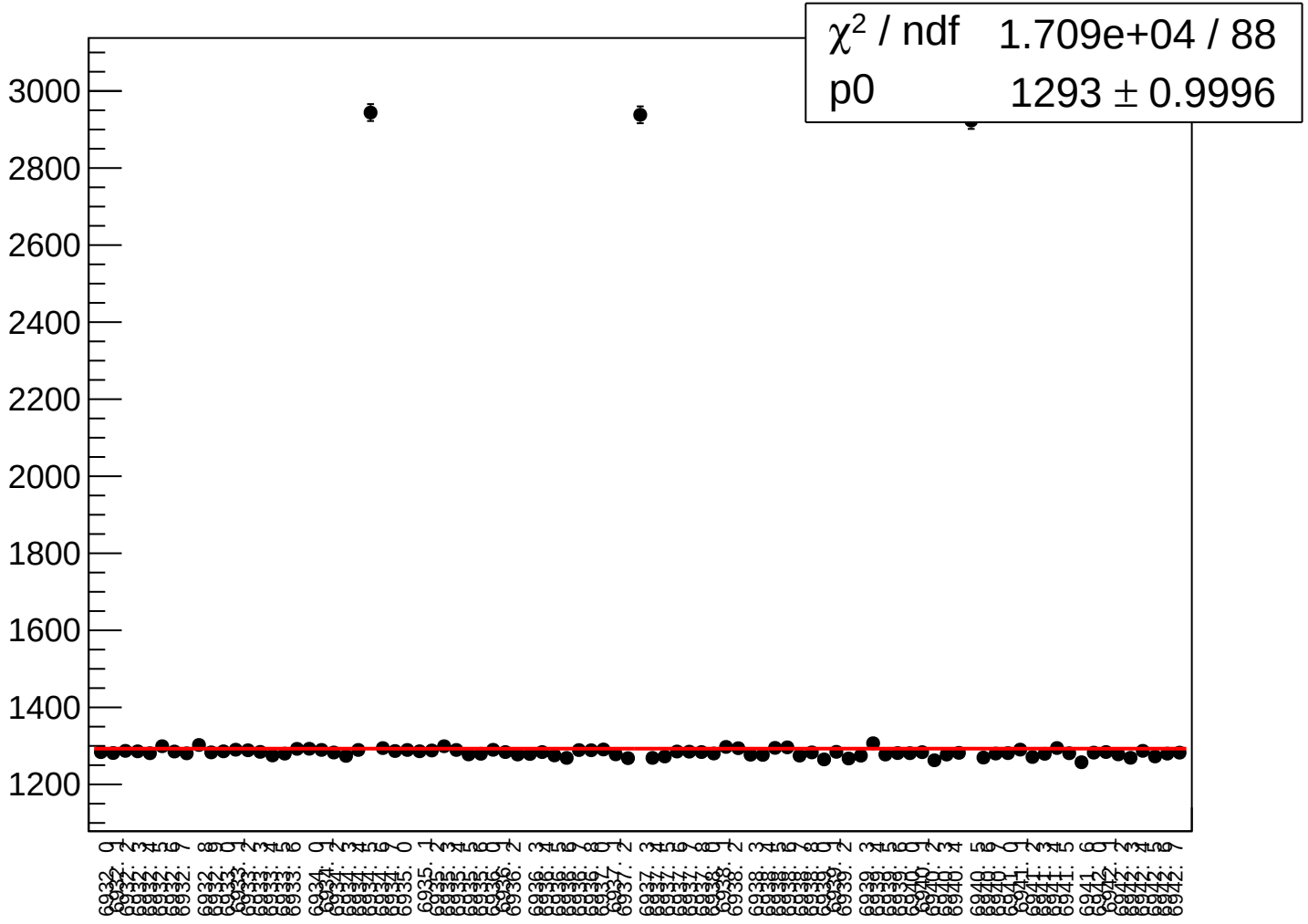

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 87.49 / 88
p0 5066 ± 5988
pull
Entries 89
Mean 1978
Std Dev 1933
pull1D
Entries 89
Mean −0.0009022
Std Dev 0.9915

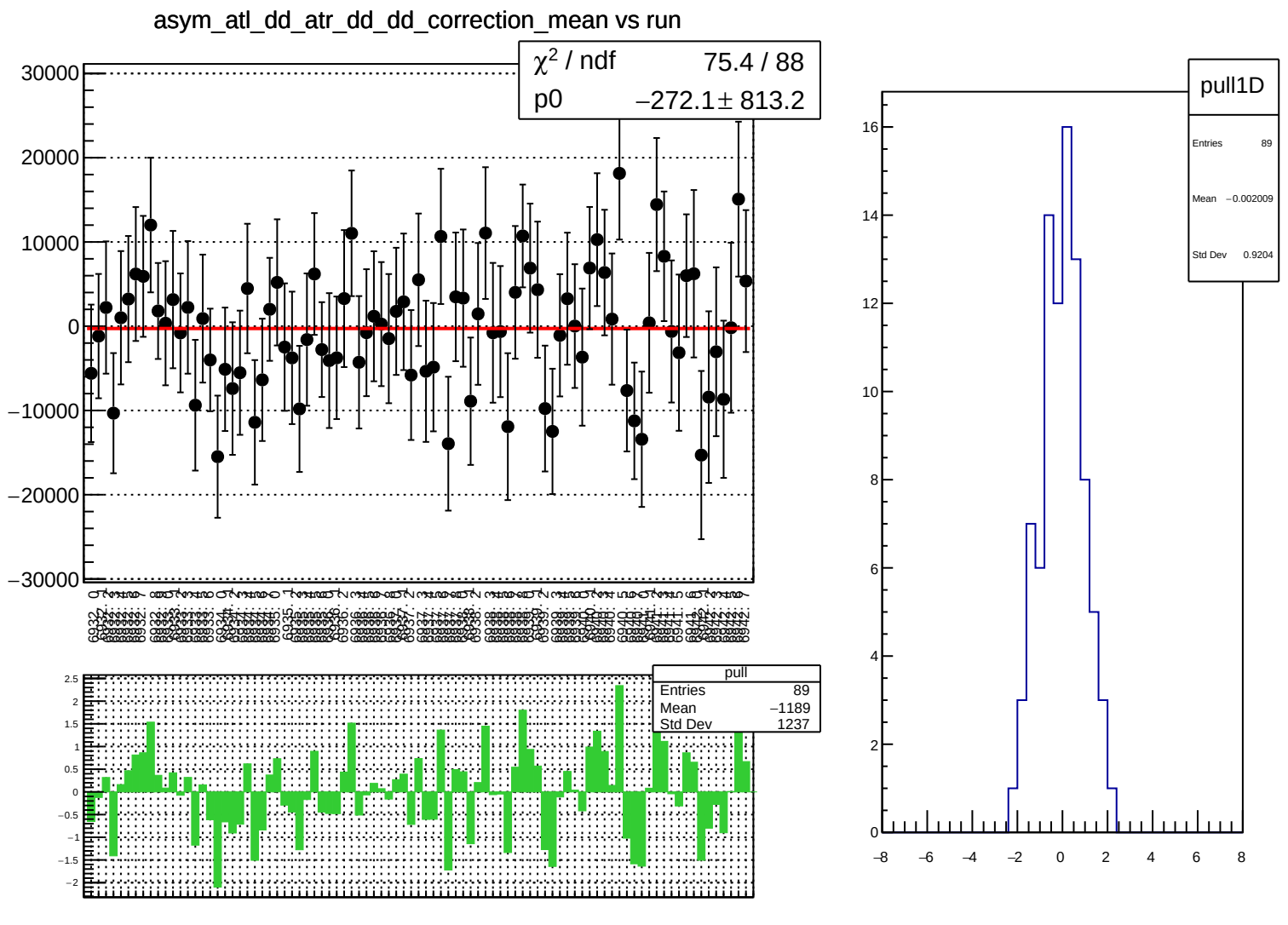
asym_atl_dd_atr_dd_avg_rms vs run

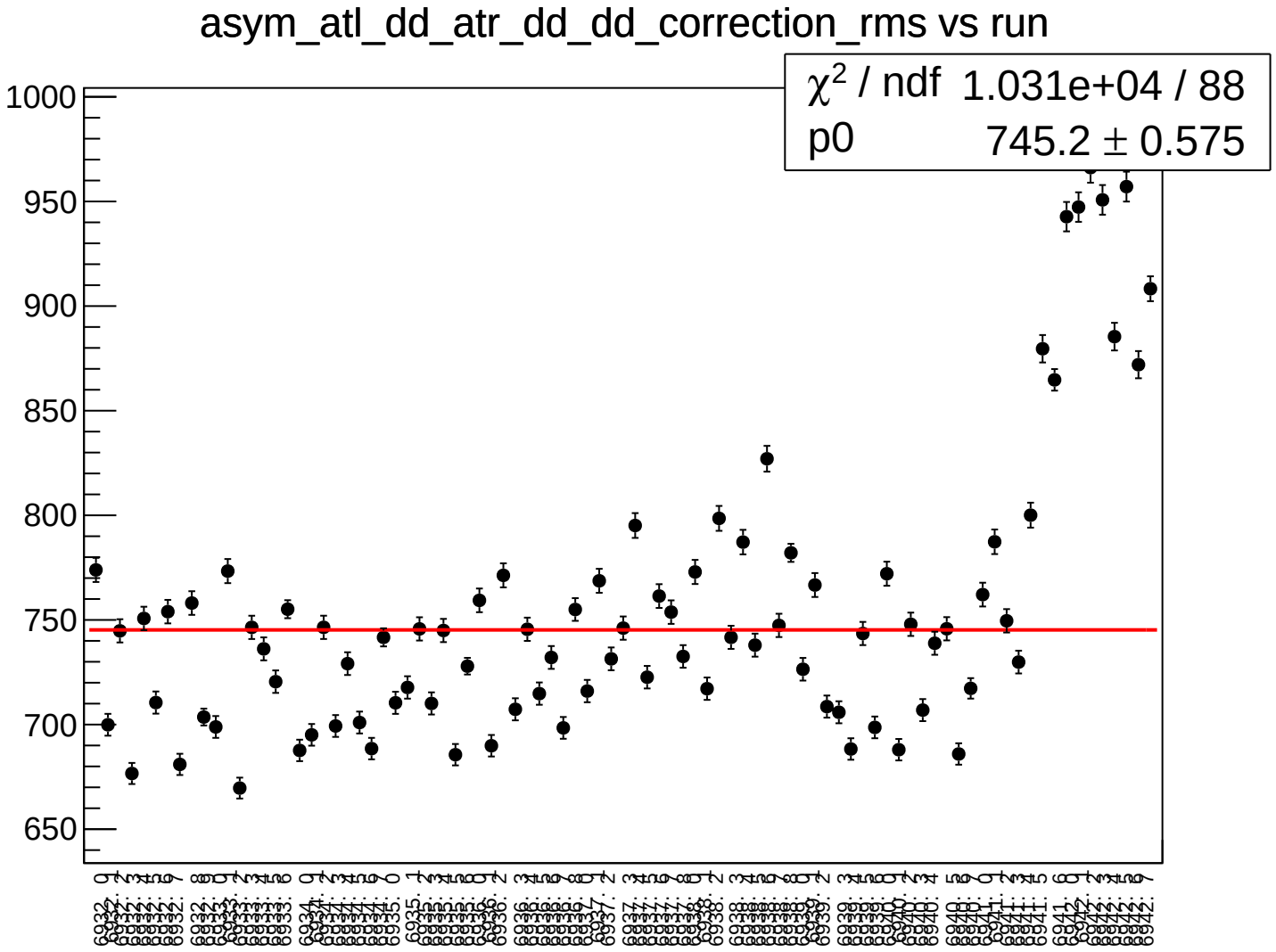


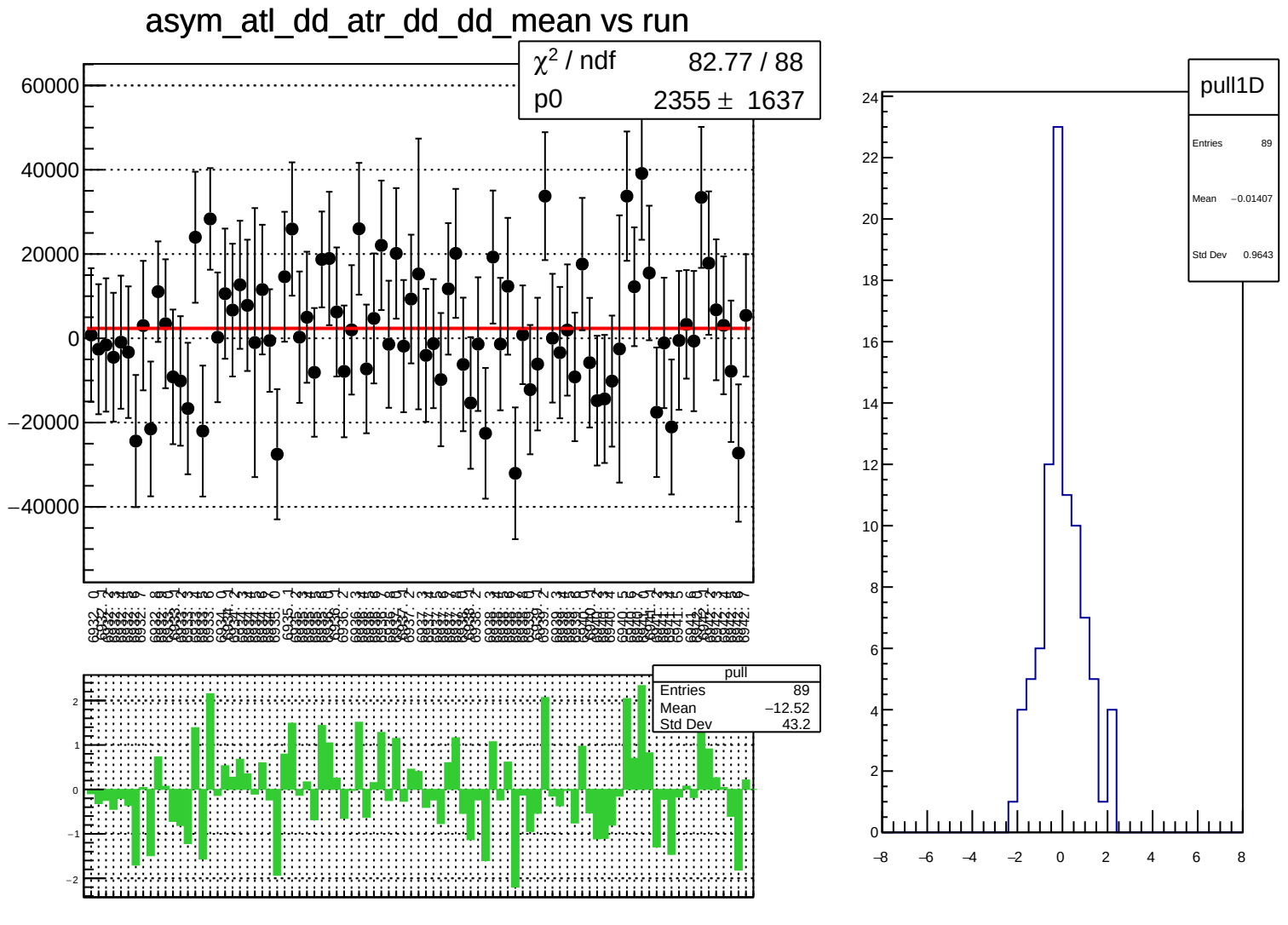

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 77.86 / 88
p0 2084 ± 1414
pull
Entries 89
Mean −54.46
Std Dev 78.64
pull1D
Entries 89
Mean −0.02011
Std Dev 0.9351

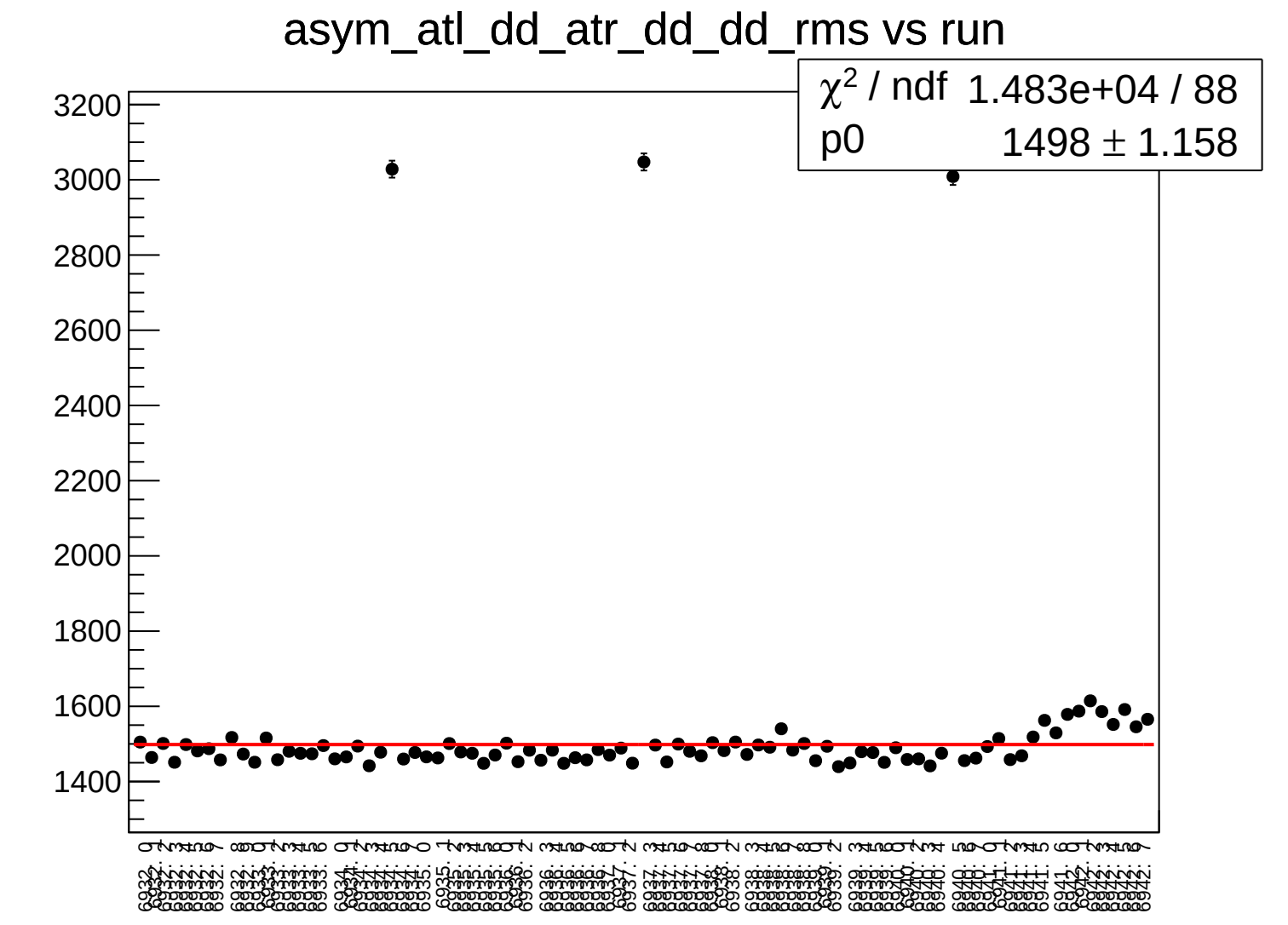
dit_asym_atl_dd_atr_dd_dd_rms vs run

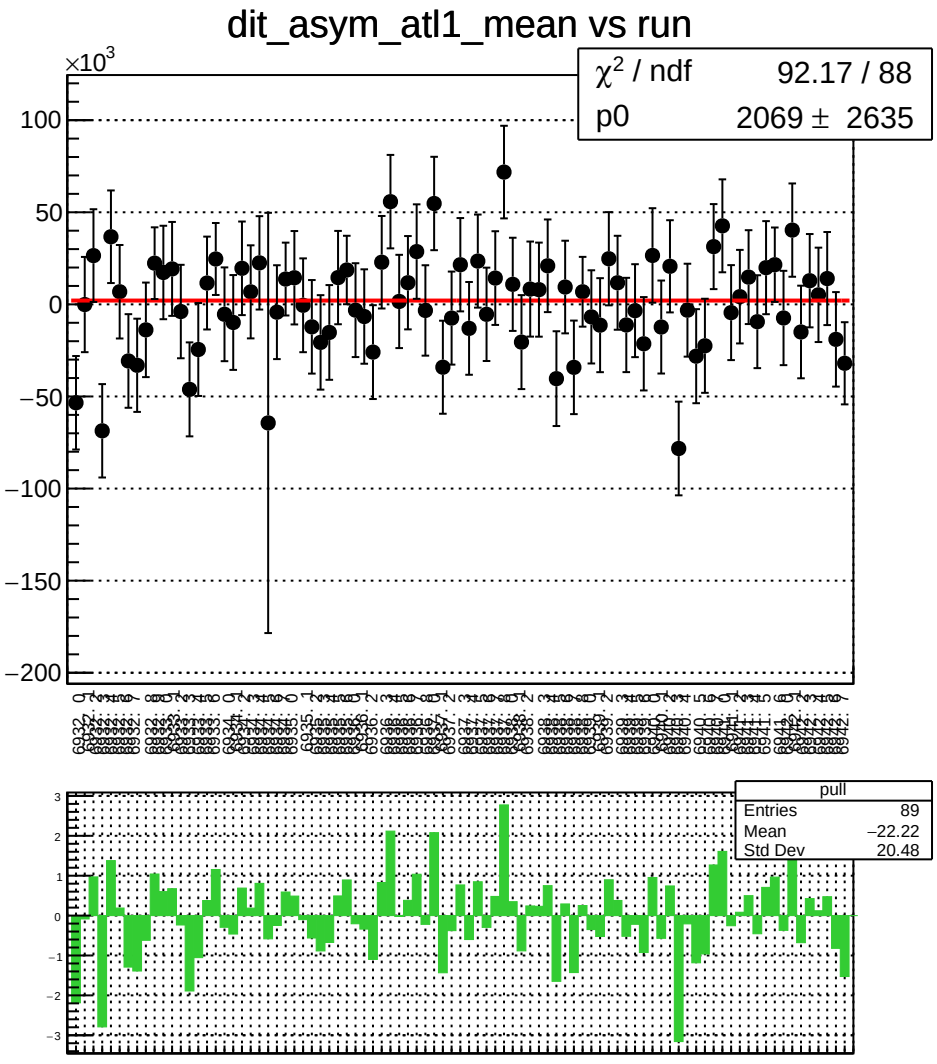


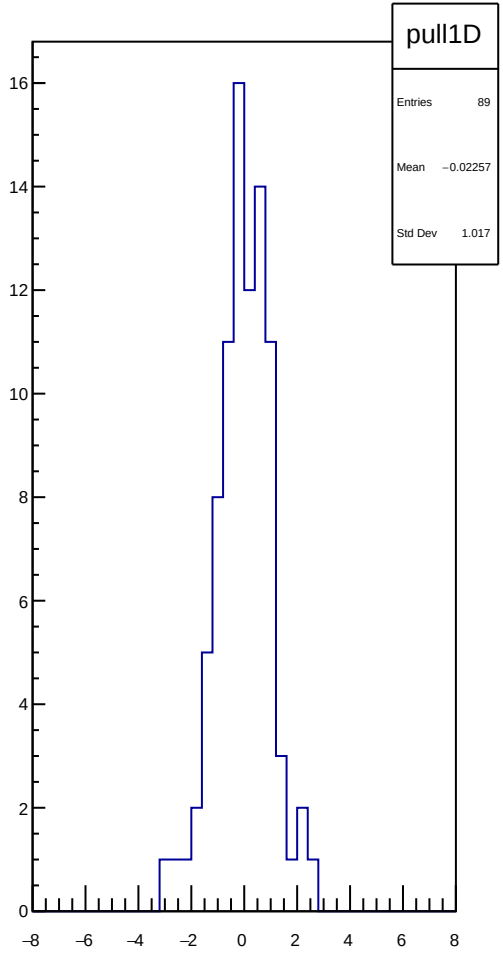

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 75.4 / 88
p0 −272.1 ± 813.2
pull
Entries 89
Mean −1189
Std Dev 1237
pull1D
Entries 89
Mean −0.002009
Std Dev 0.9204

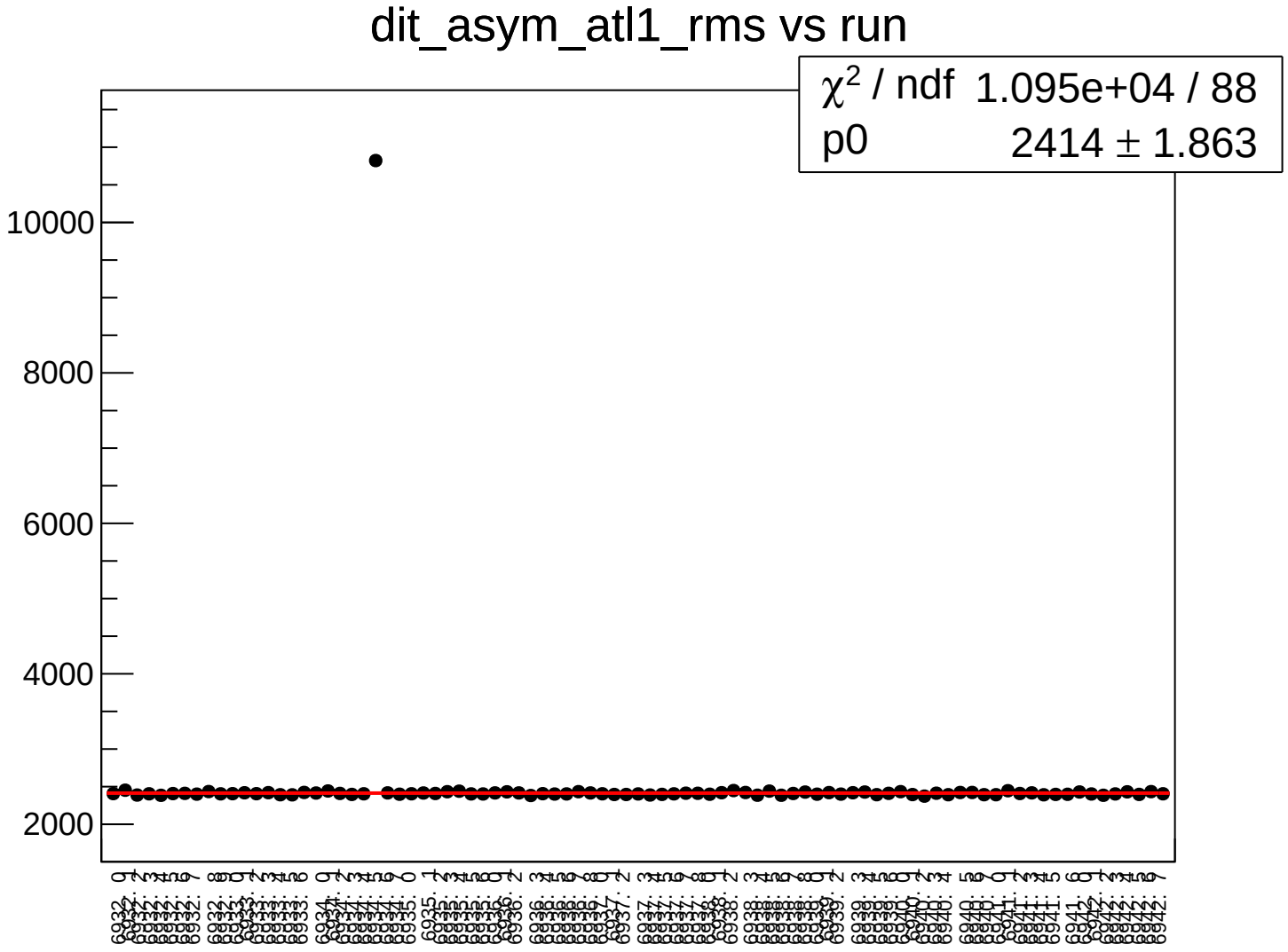

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.031e+04 / 88
p0 745.2 ± 0.575
1000
950
900
850
800
750
700
650

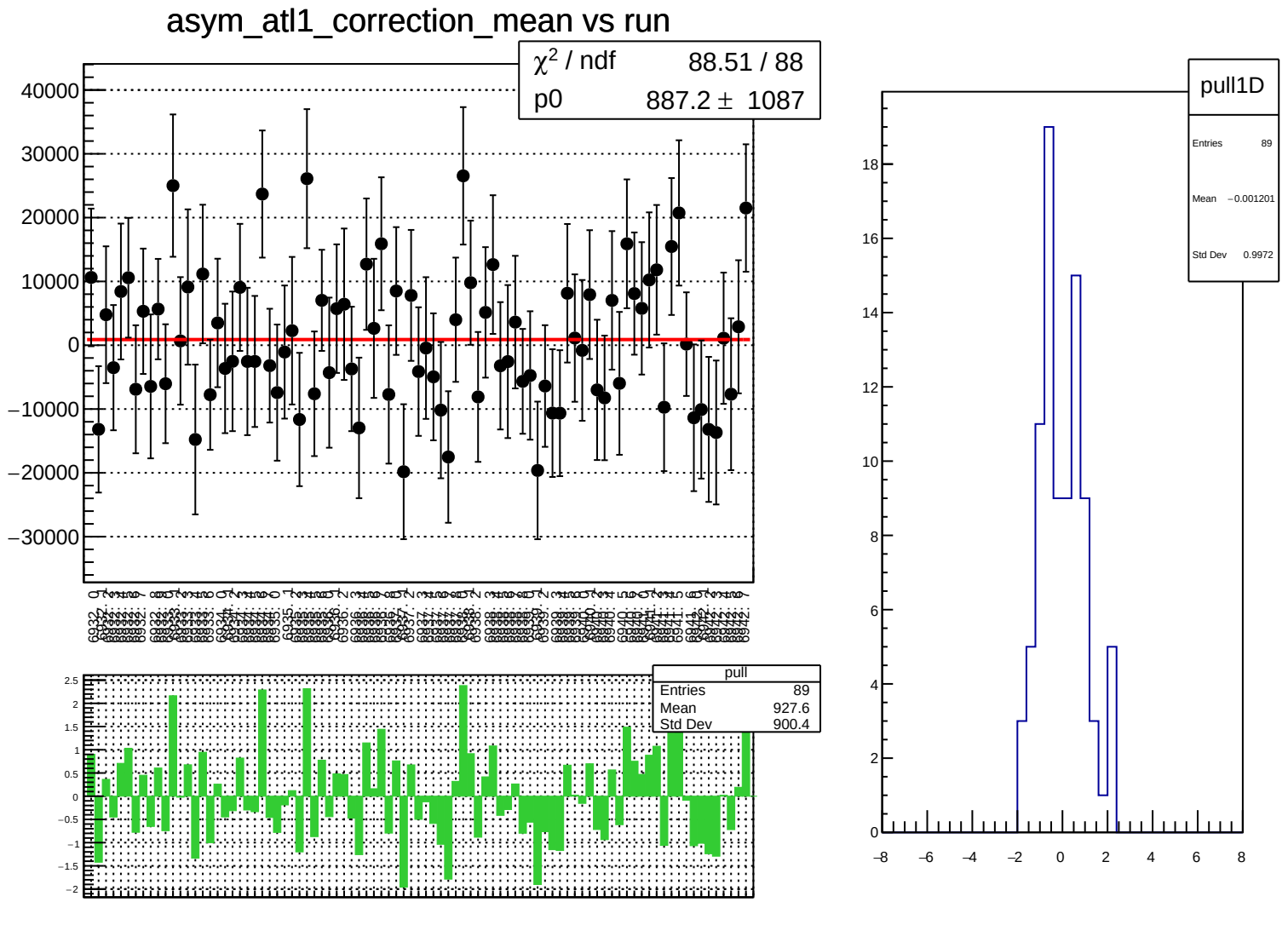

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 82.77 / 88
p0 2355 ± 1637
pull
Entries 89
Mean −12.52
Std Dev 43.2
pull1D
Entries 89
Mean −0.01407
Std Dev 0.9643

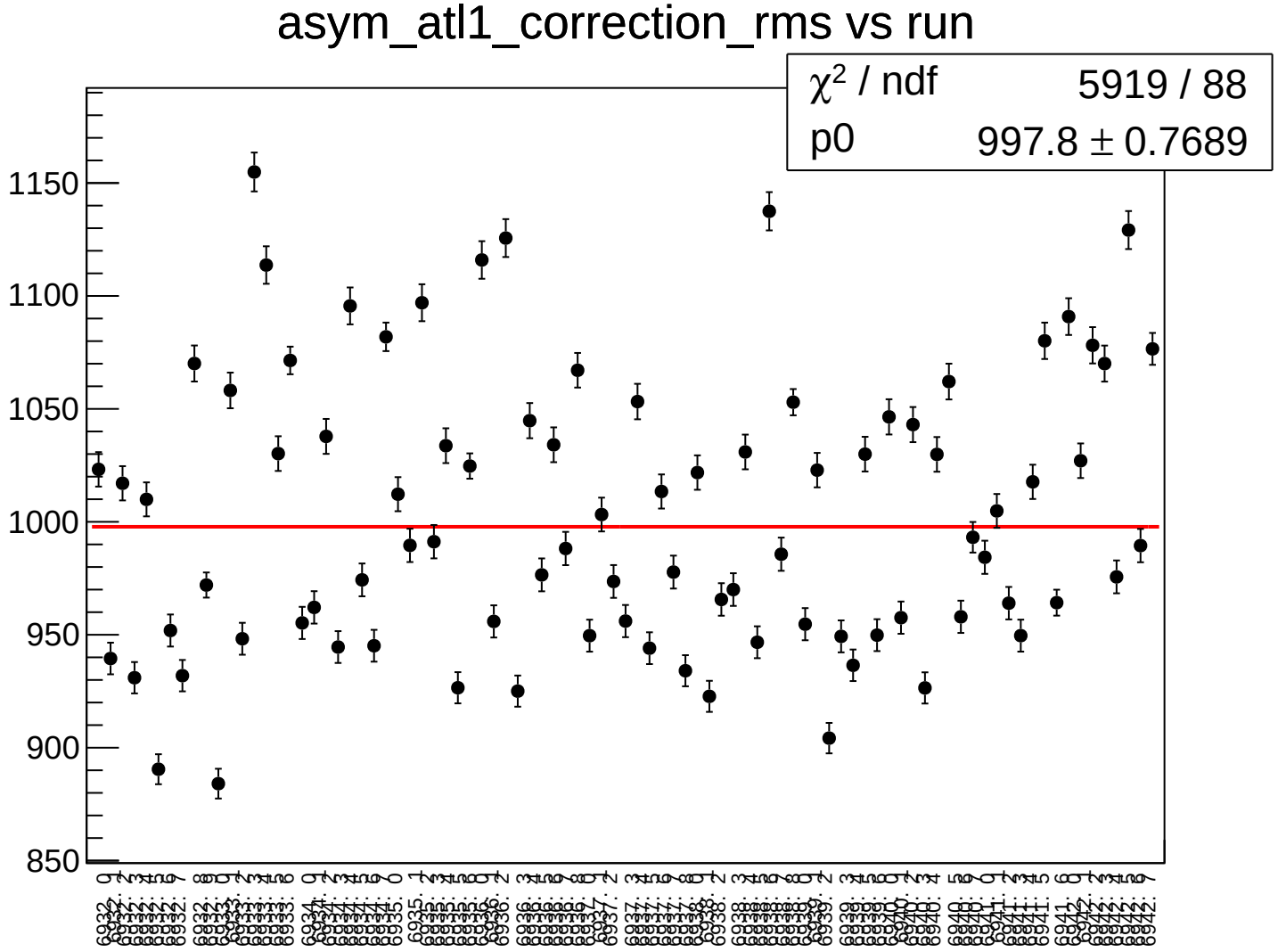

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.483e+04 / 88
p0 1498 ± 1.158
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

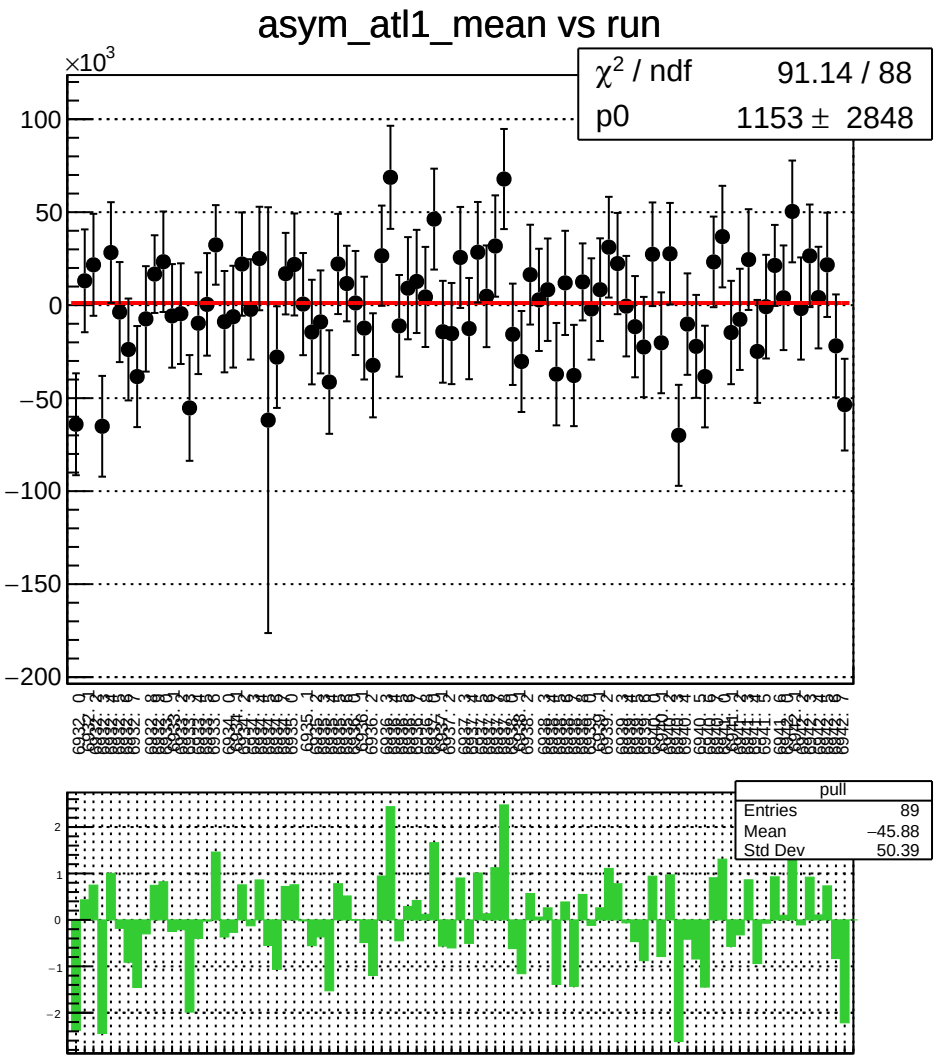

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 92.17 / 88
p0 2069 ± 2635
pull
Entries 89
Mean −22.22
Std Dev 20.48

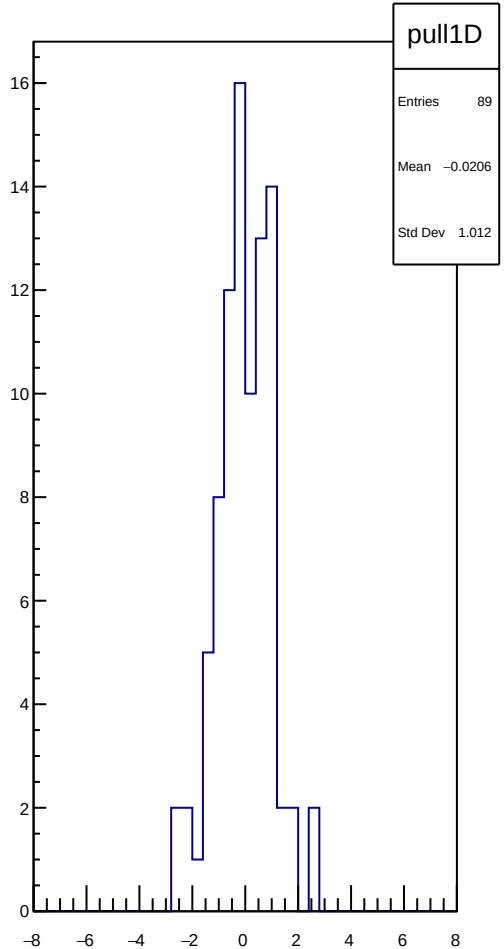

pull1D
Entries 89
Mean −0.02257
Std Dev 1.017

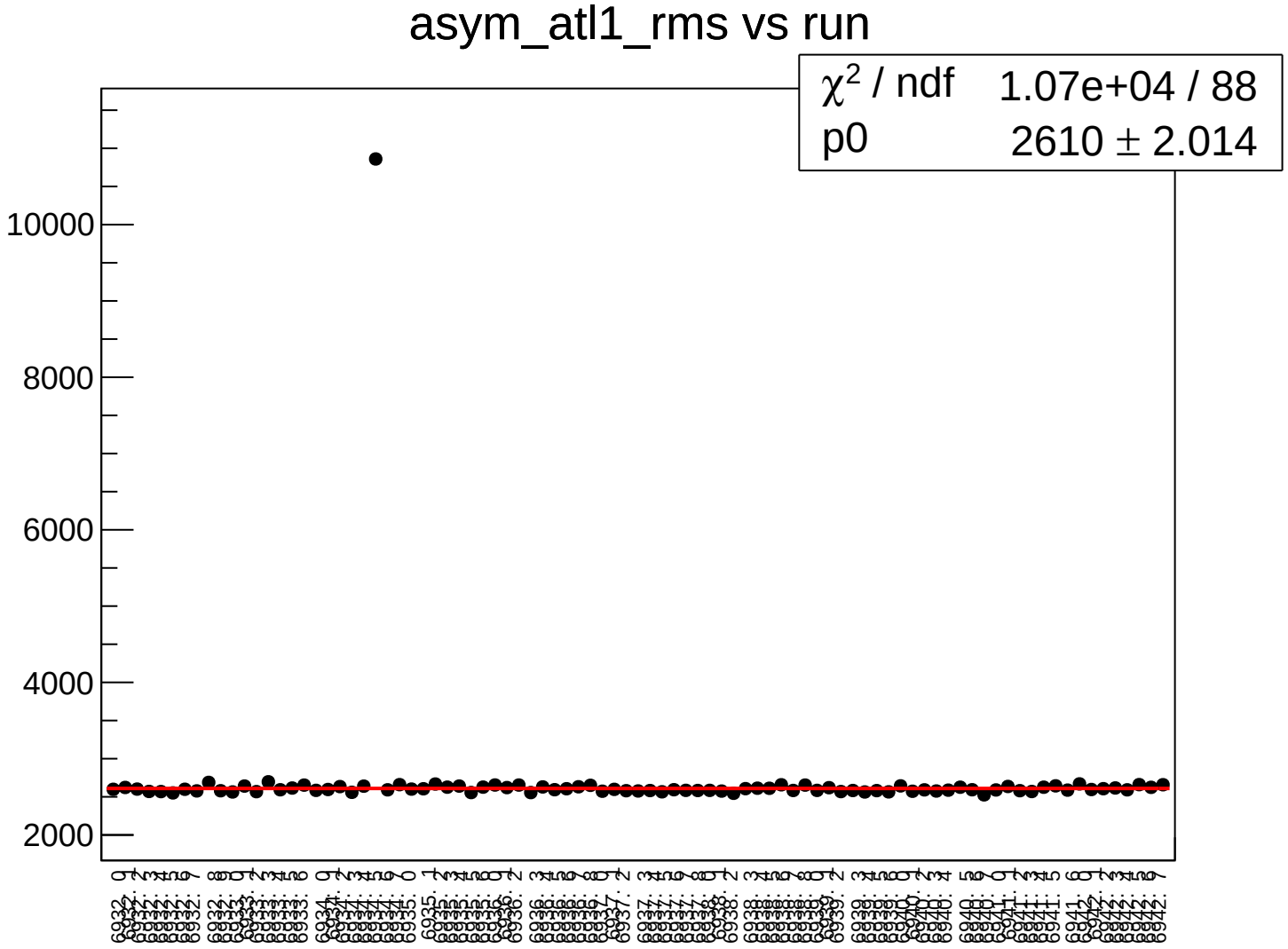

dit_asym_atl1_rms vs run
χ^2 / ndf 1.095e+04 / 88
p0 2414 ± 1.863
10000
8000
6000
4000
2000

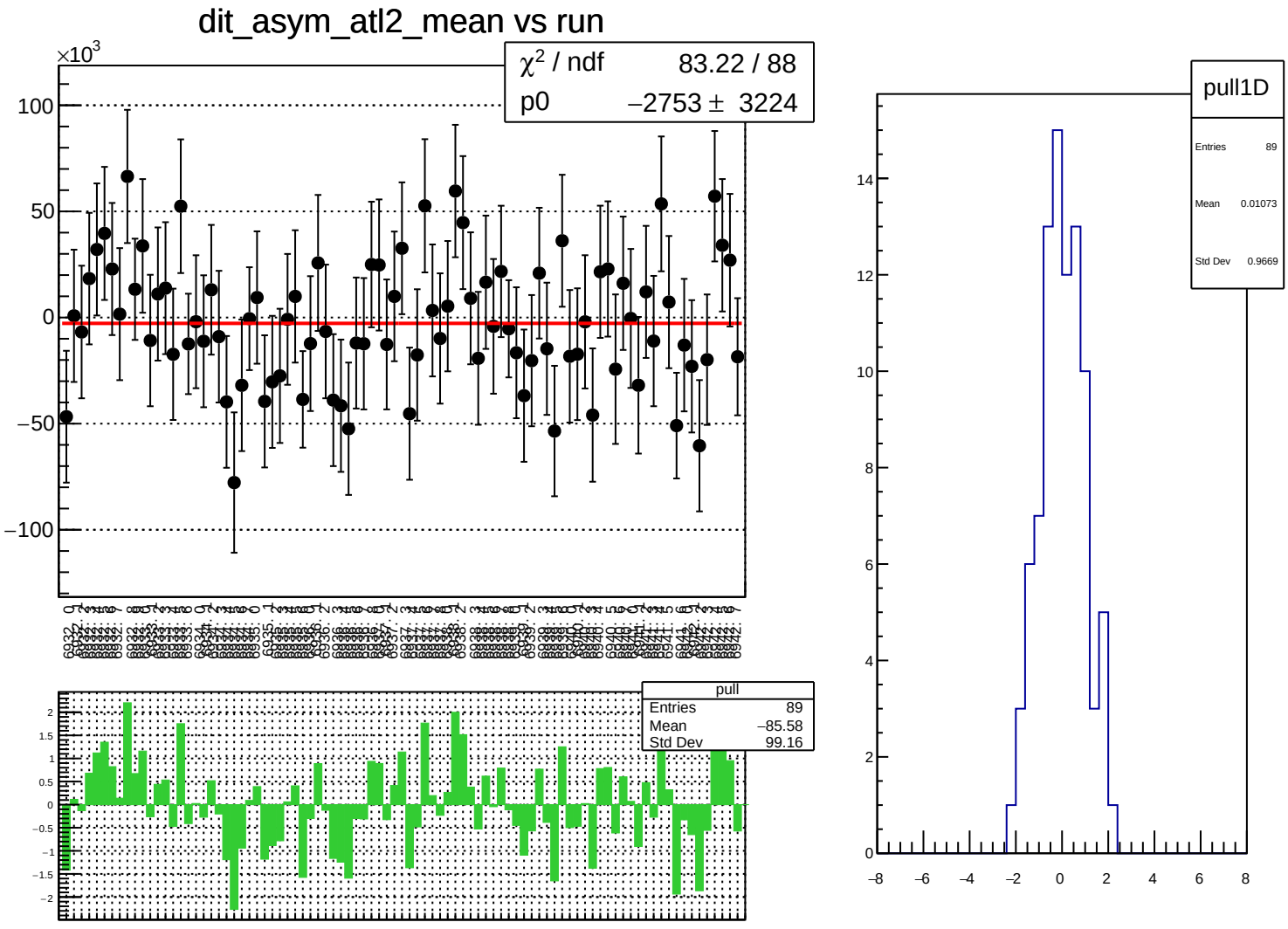

asym_atl1_correction_mean vs run
χ² / ndf 88.51 / 88
p0 887.2 ± 1087
pull
Entries 89
Mean 927.6
Std Dev 900.4
pull1D
Entries 89
Mean −0.001201
Std Dev 0.9972

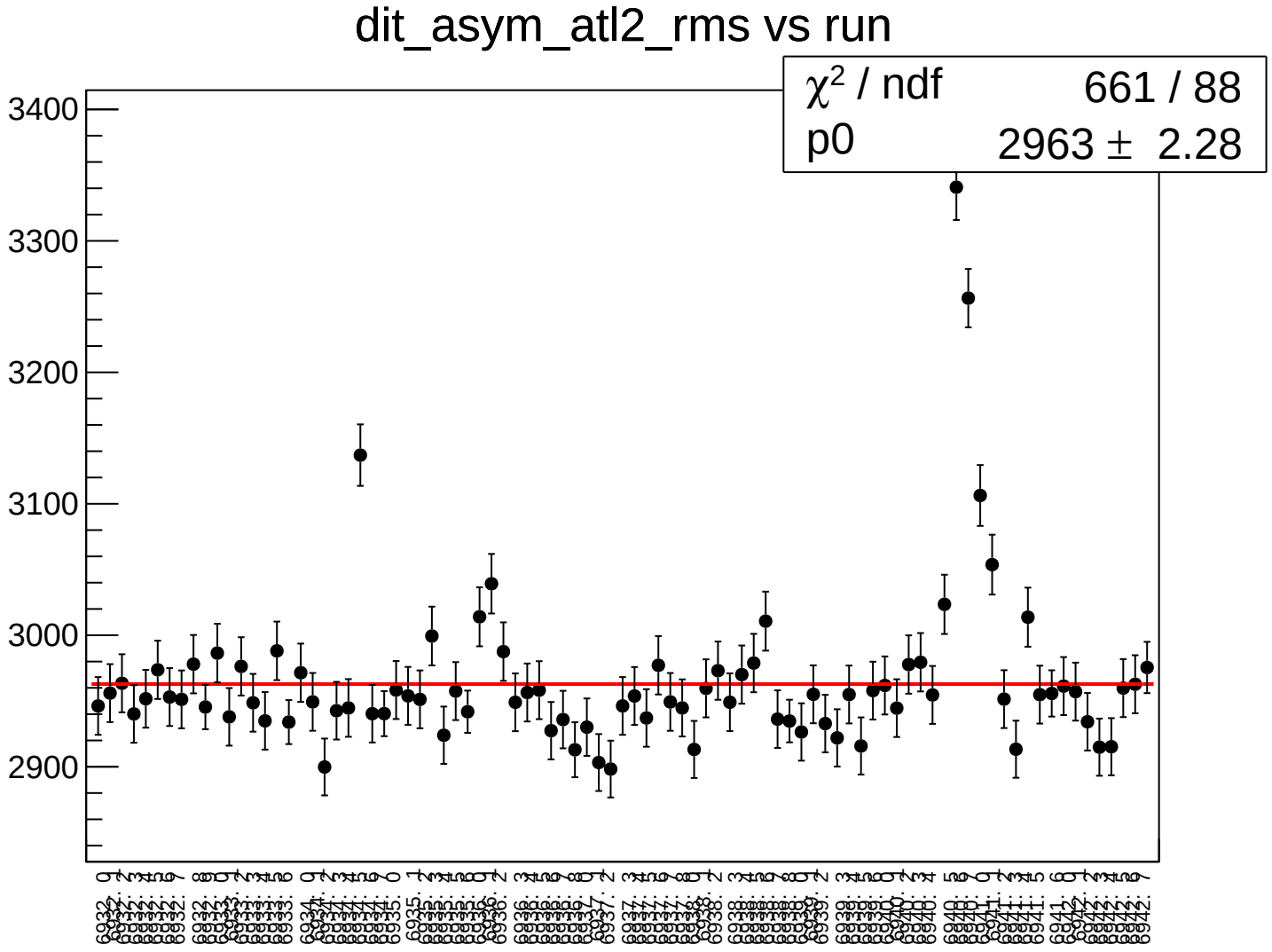

asym_atl1_correction_rms vs run
χ^2 / ndf 5919 / 88
p0 997.8 ± 0.7689
1150
1100
1050
1000
950
900
850

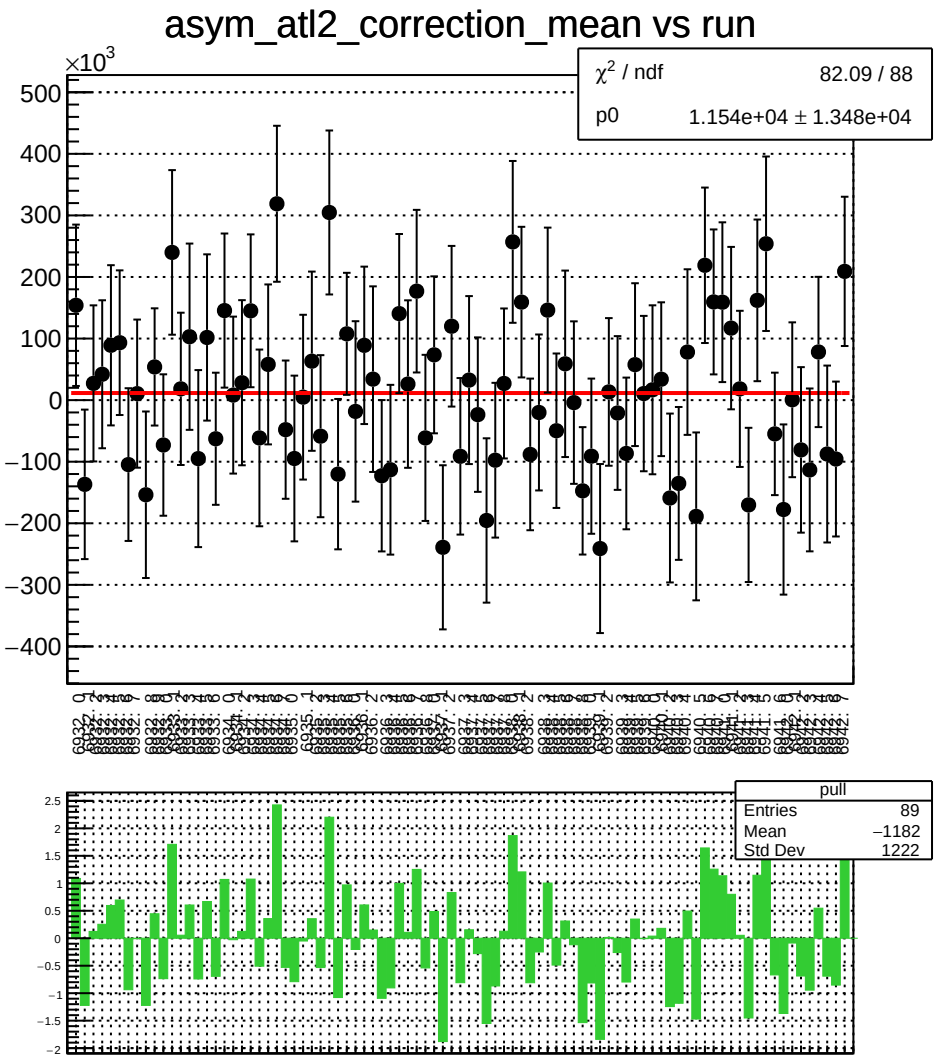

asym_atl1_mean vs run
×10^3
χ² / ndf 91.14 / 88
p0 1153 ± 2848
pull
Entries 89
Mean −45.88
Std Dev 50.39

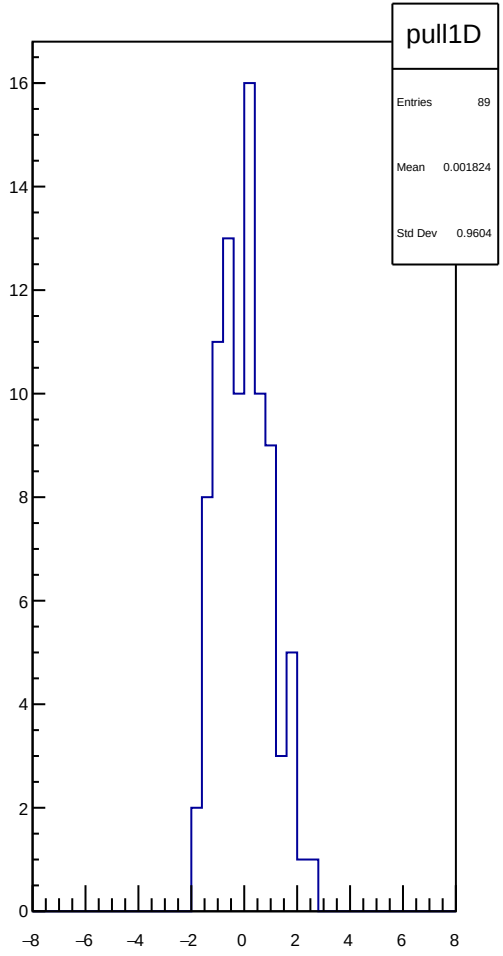

pull1D
Entries 89
Mean −0.0206
Std Dev 1.012


asym_atl1_rms vs run
χ2 / ndf 1.07e+04 / 88
p0 2610 ± 2.014
10000
8000
6000
4000
2000

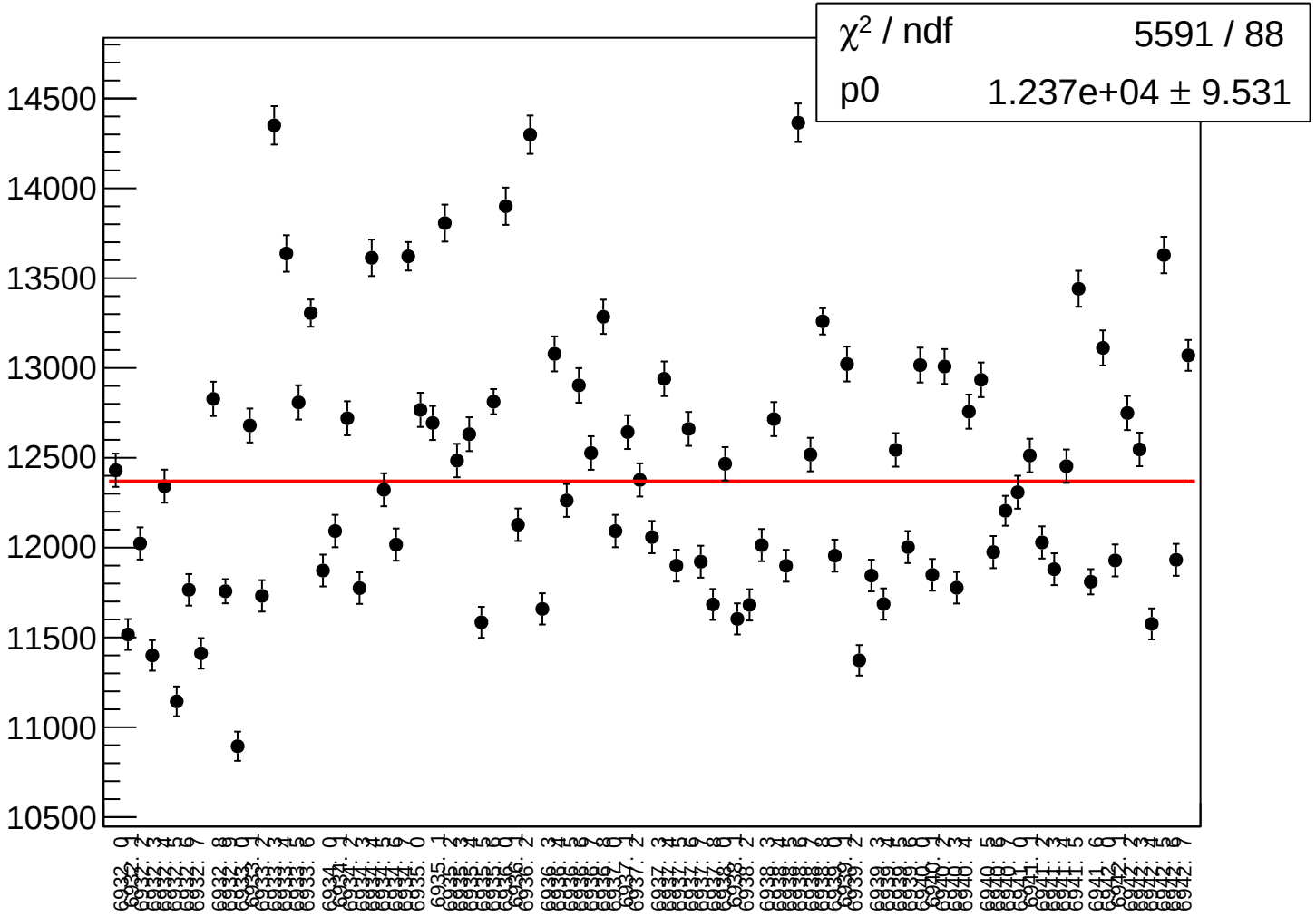

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 83.22 / 88
p0 −2753 ± 3224
pull
Entries 89
Mean −85.58
Std Dev 99.16
pull1D
Entries 89
Mean 0.01073
Std Dev 0.9669

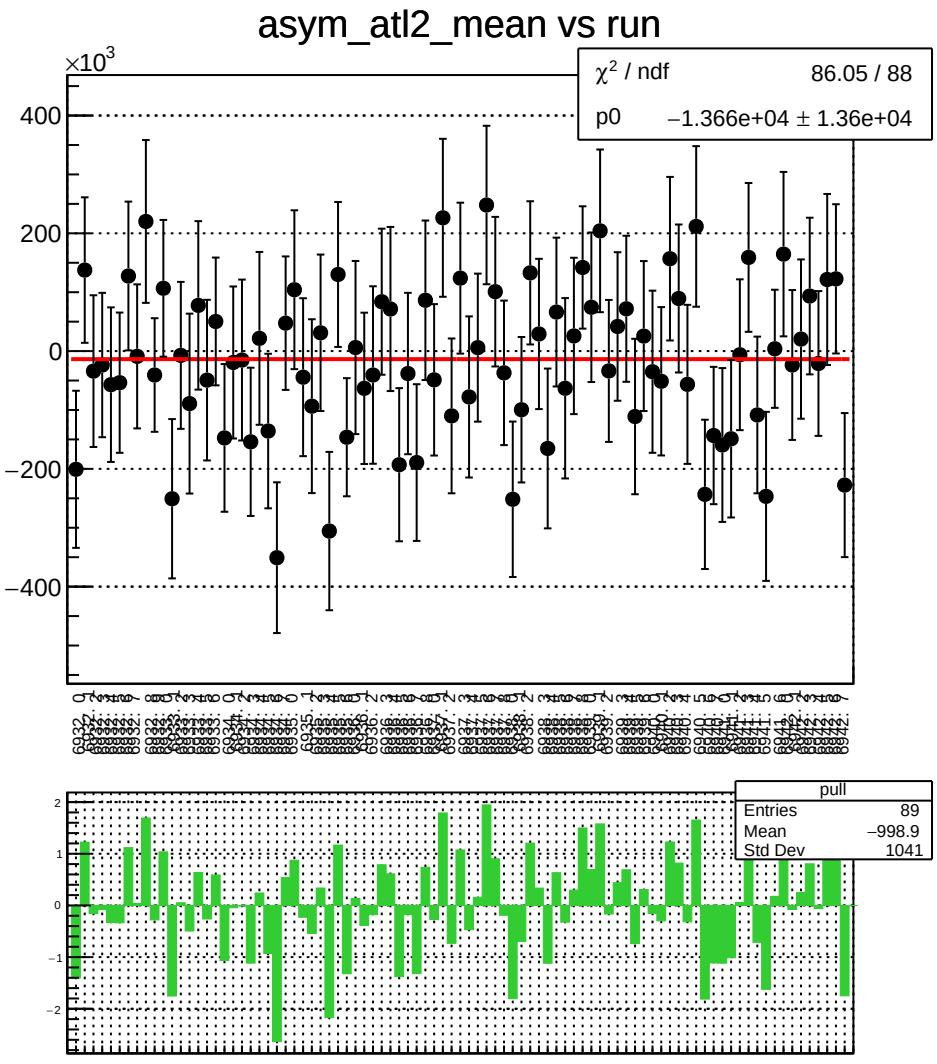

dit_asym_atl2_rms vs run
χ² / ndf 661 / 88
p0 2963 ± 2.28
3400
3300
3200
3100
3000
2900

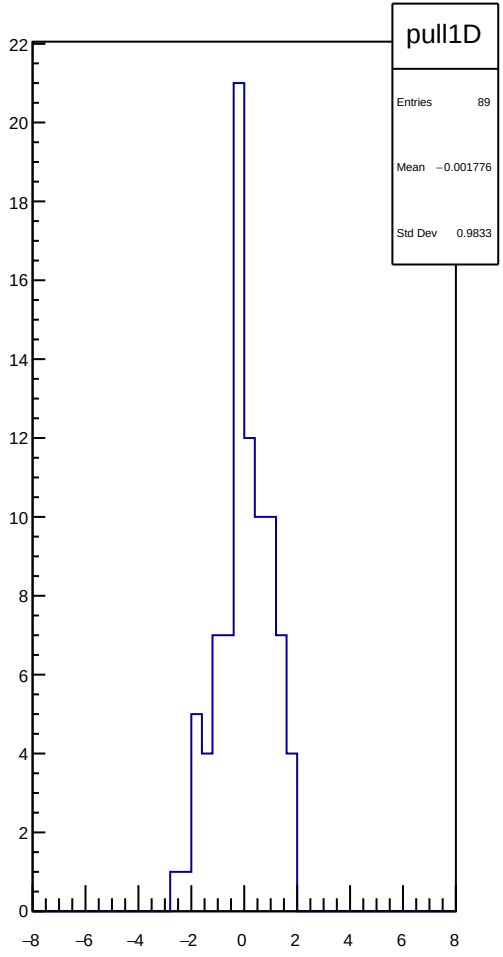

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 82.09 / 88
p0 1.154e+04 ± 1.348e+04
pull
Entries 89
Mean −1182
Std Dev 1222

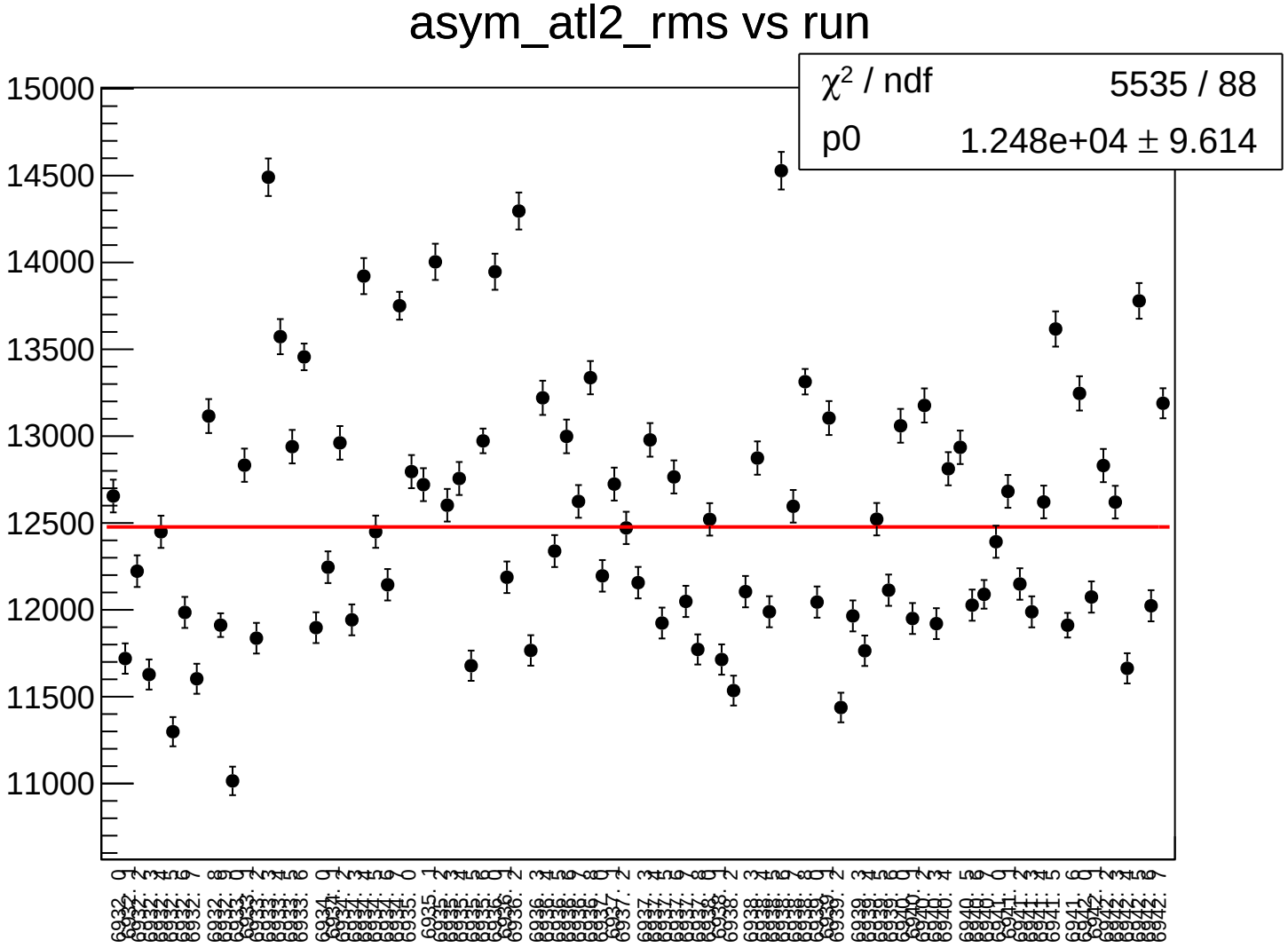

pull1D
Entries 89
Mean 0.001824
Std Dev 0.9604

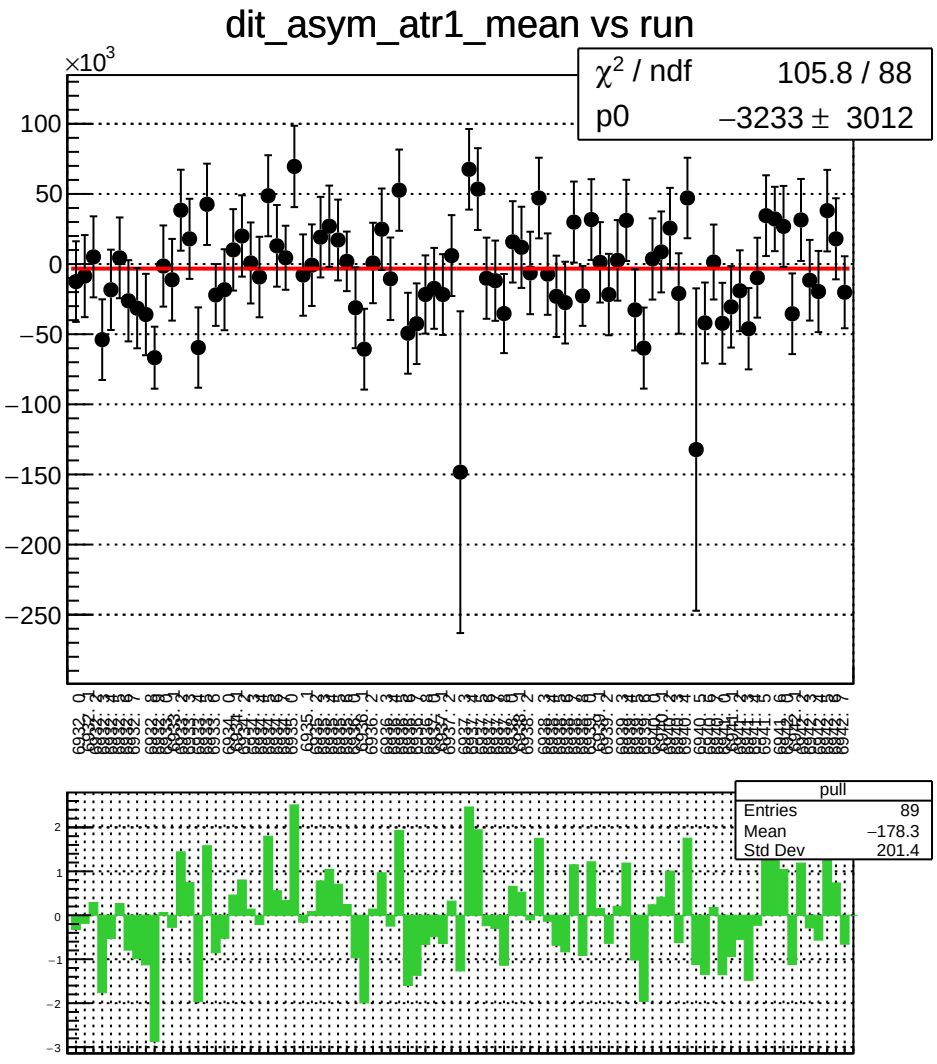
asym_atl2_correction_rms vs run

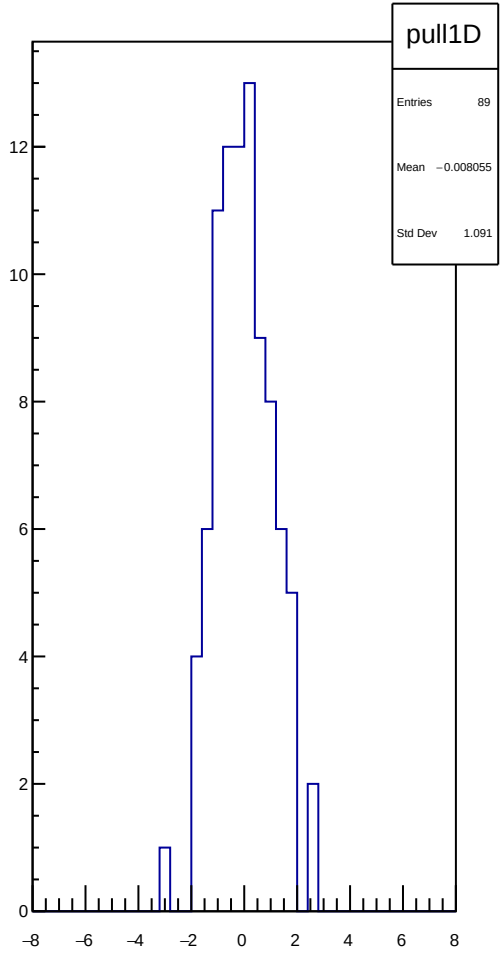



asym_atl2_mean vs run
×10^3
χ² / ndf 86.05 / 88
p0 −1.366e+04 ± 1.36e+04
pull
Entries 89
Mean −998.9
Std Dev 1041

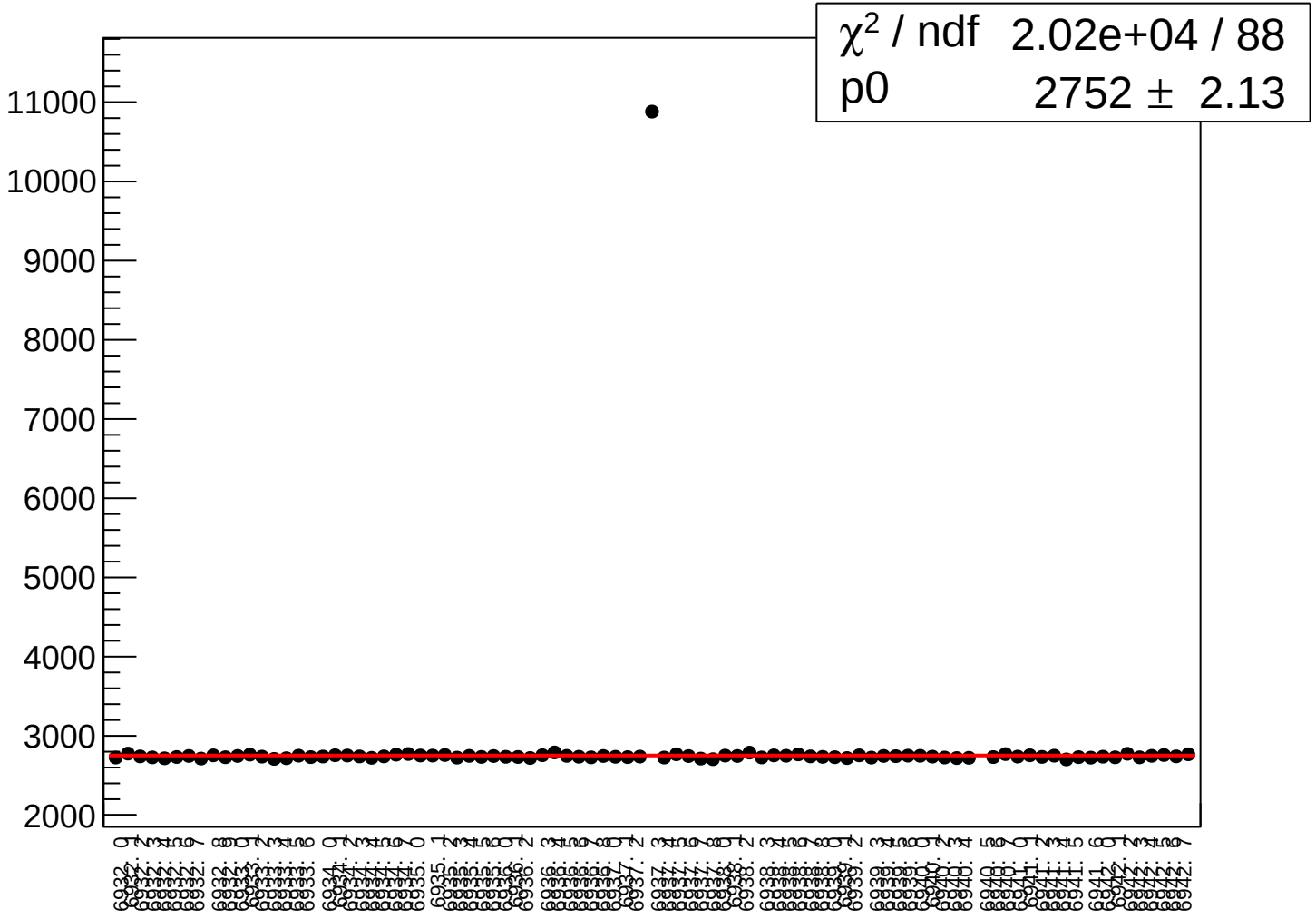

pull1D
Entries 89
Mean −0.001776
Std Dev 0.9833

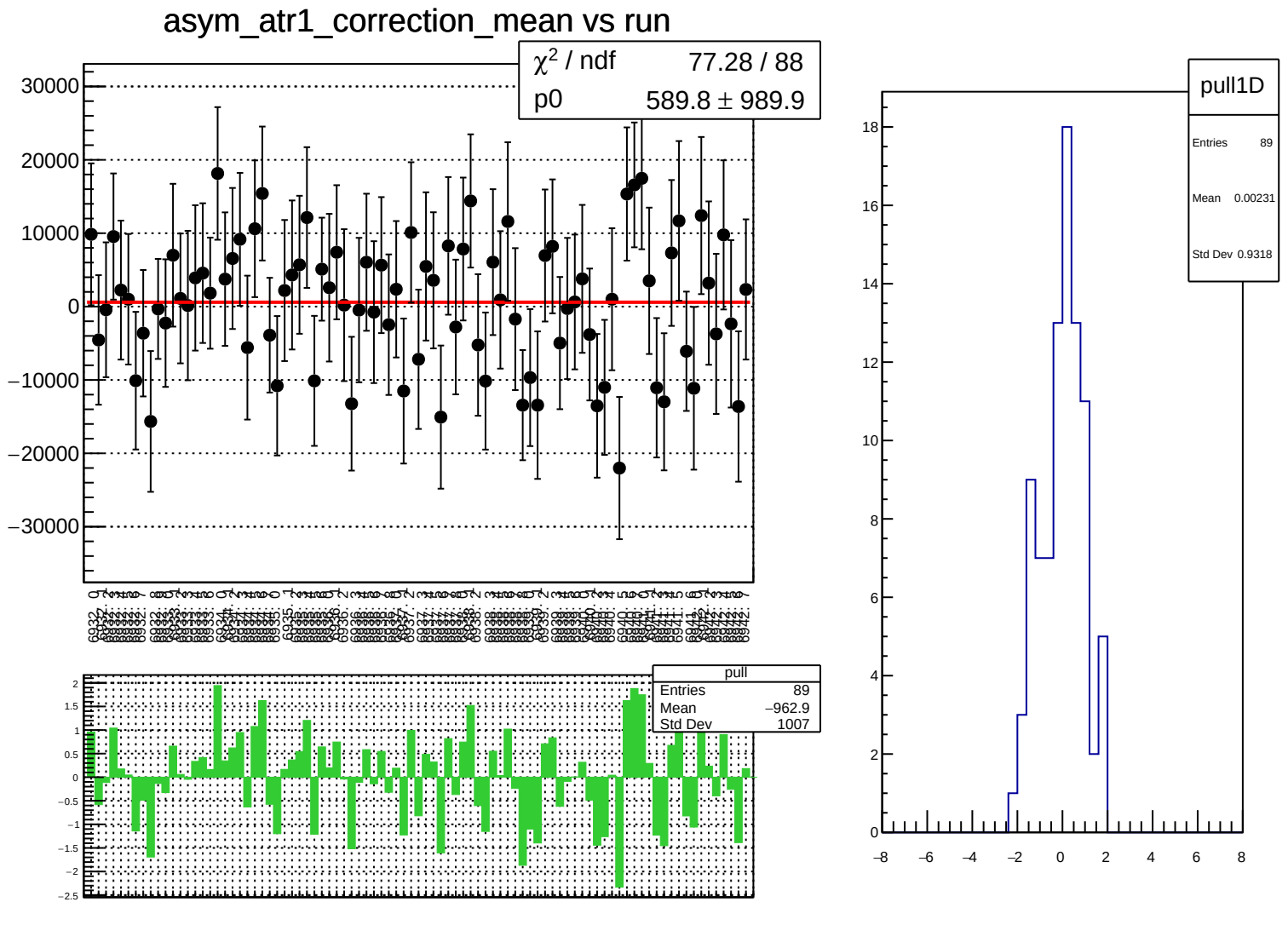

asym_atl2_rms vs run
χ2 / ndf 5535 / 88
p0 1.248e+04 ± 9.614
15000
14500
14000
13500
13000
12500
12000
11500
11000


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 105.8 / 88
p0 −3233 ± 3012
pull
Entries 89
Mean −178.3
Std Dev 201.4

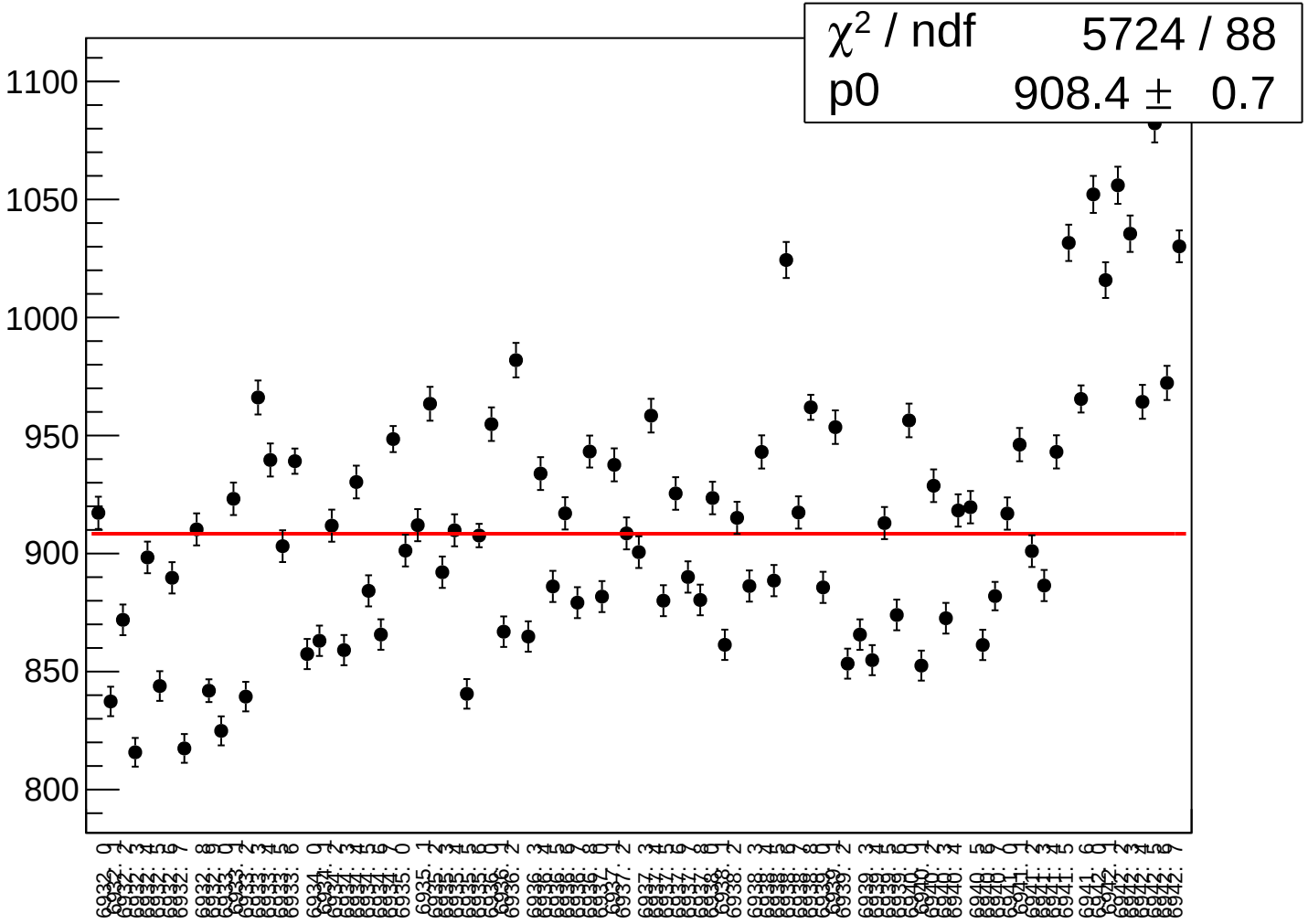

pull1D
Entries 89
Mean −0.008055
Std Dev 1.091

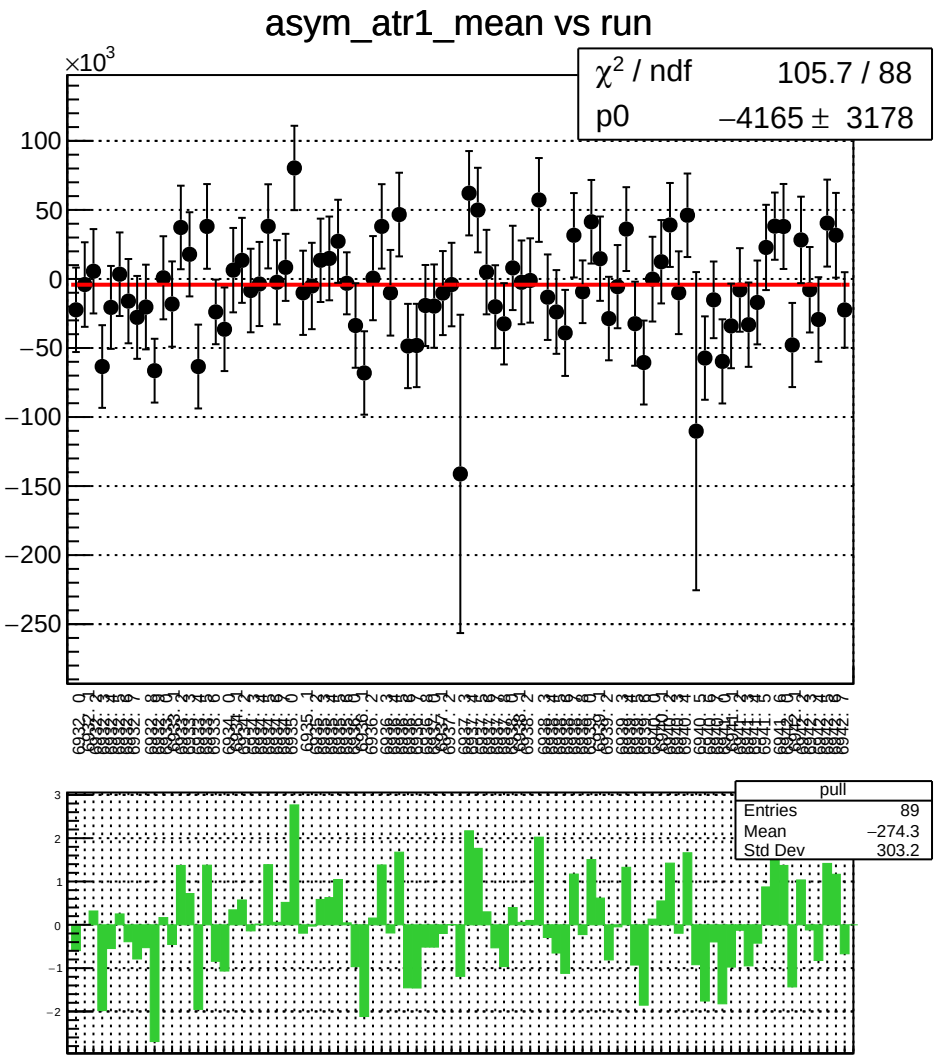
dit_asym_atr1_rms vs run

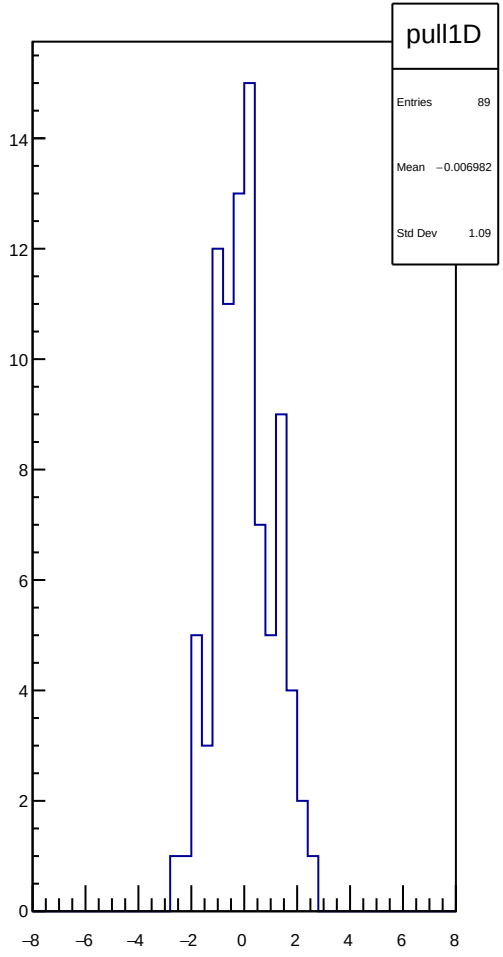



asym_atr1_correction_mean vs run
χ² / ndf 77.28 / 88
p0 589.8 ± 989.9
pull
Entries 89
Mean −962.9
Std Dev 1007
pull1D
Entries 89
Mean 0.00231
Std Dev 0.9318

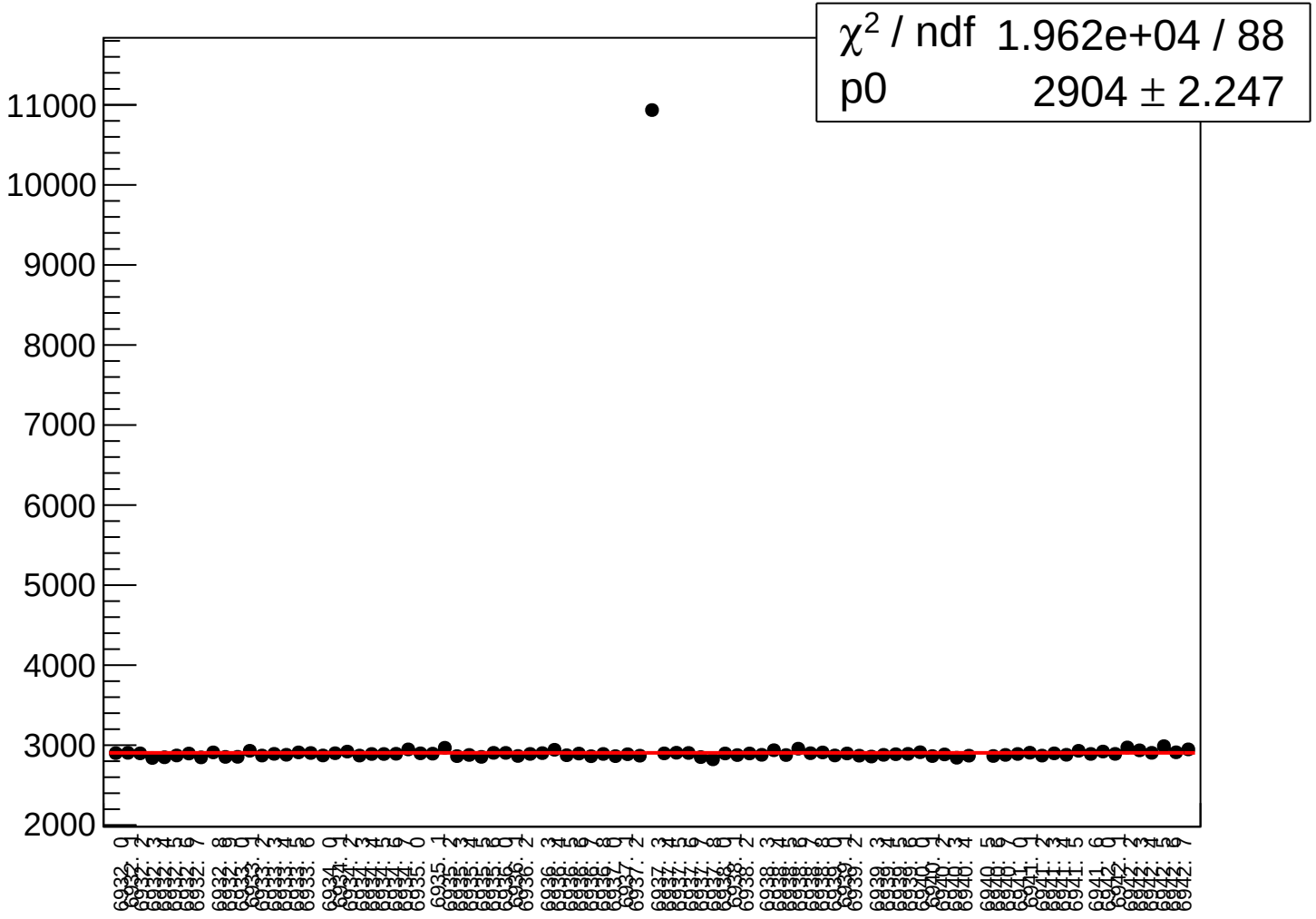
asym_atr1_correction_rms vs run

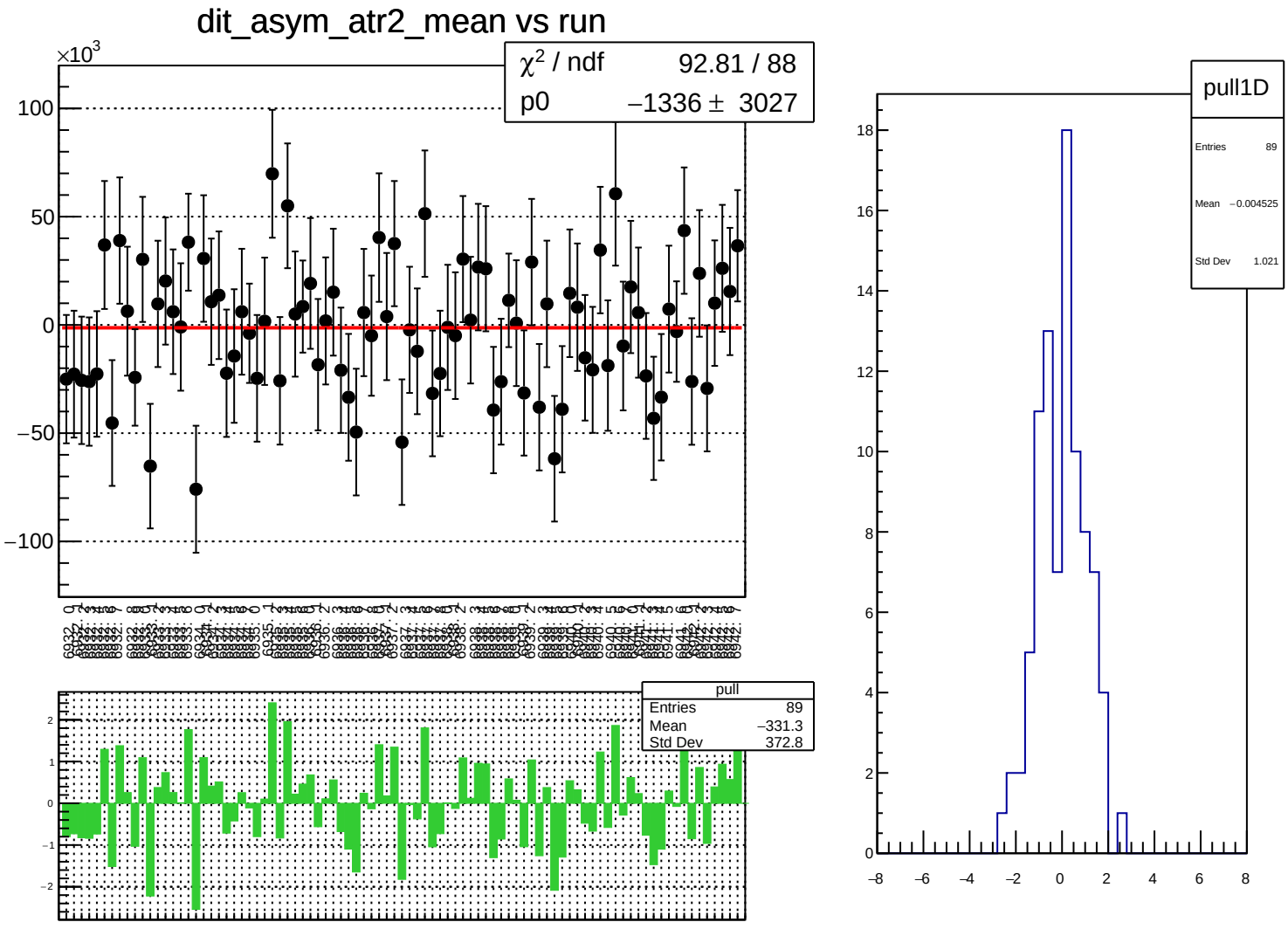


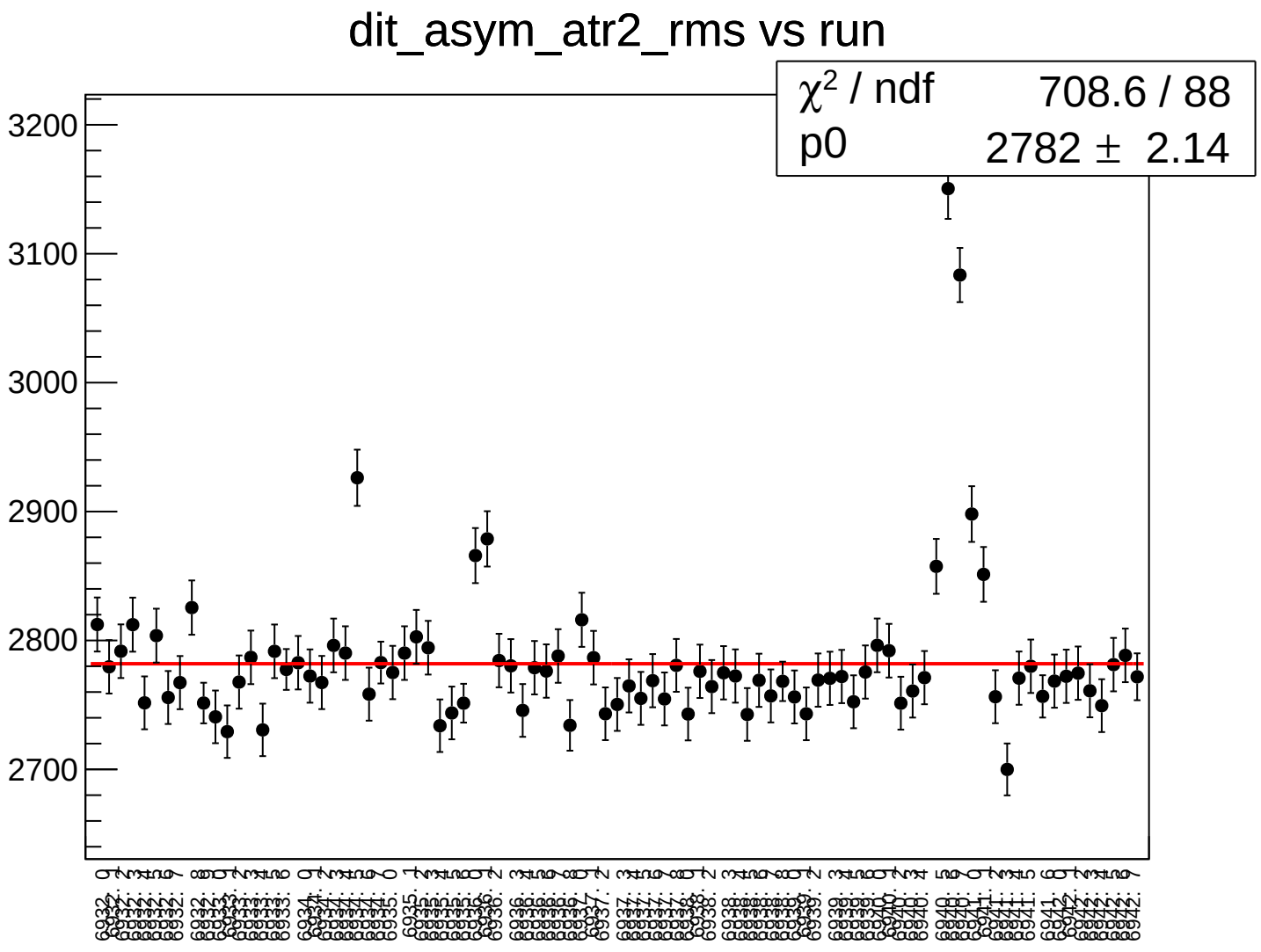

asym_atr1_mean vs run
×10^3
χ² / ndf 105.7 / 88
p0 −4165 ± 3178
pull
Entries 89
Mean −274.3
Std Dev 303.2

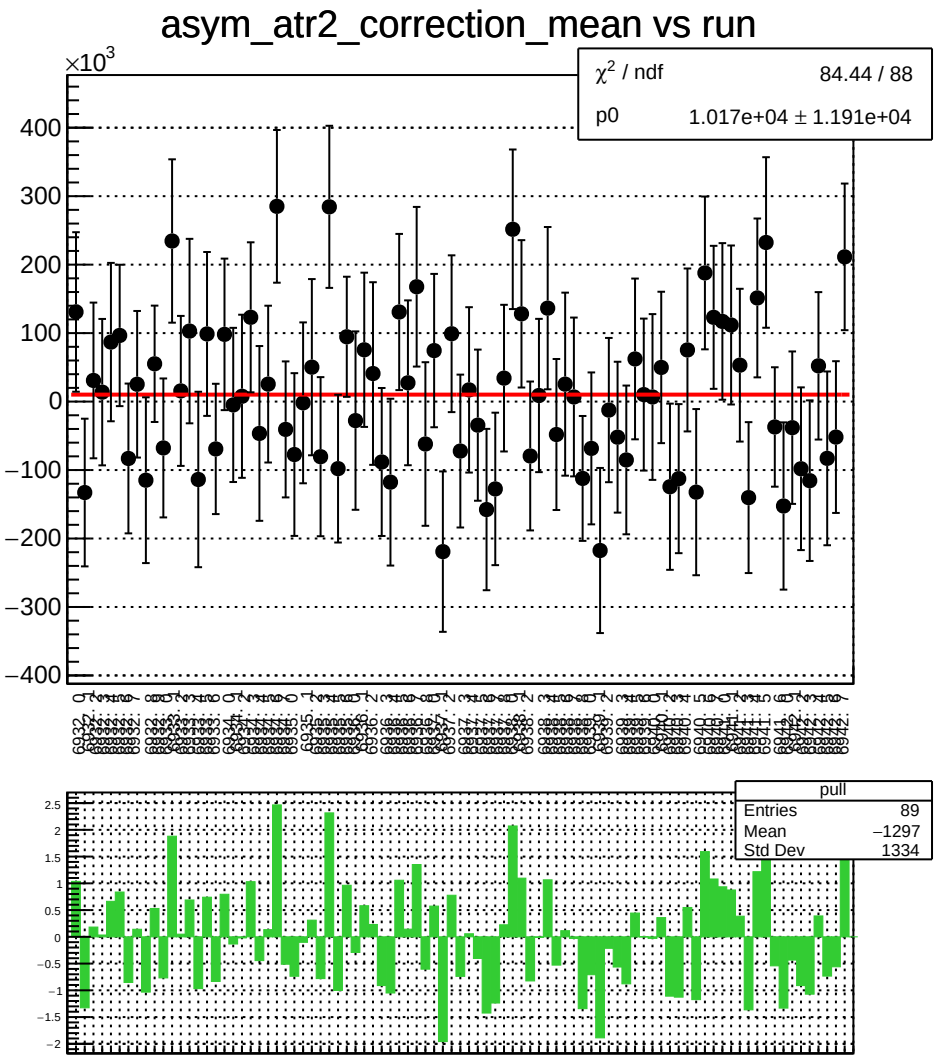

pull1D
Entries 89
Mean −0.006982
Std Dev 1.09

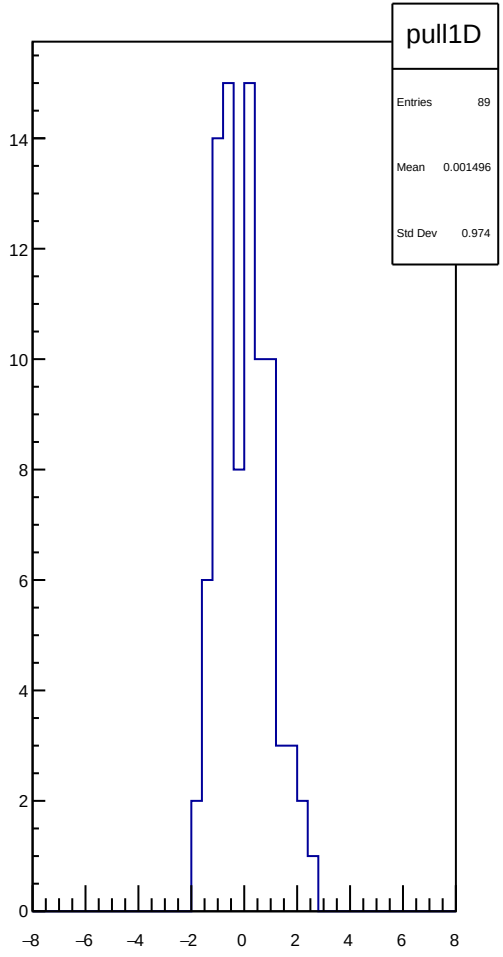
asym_atr1_rms vs run

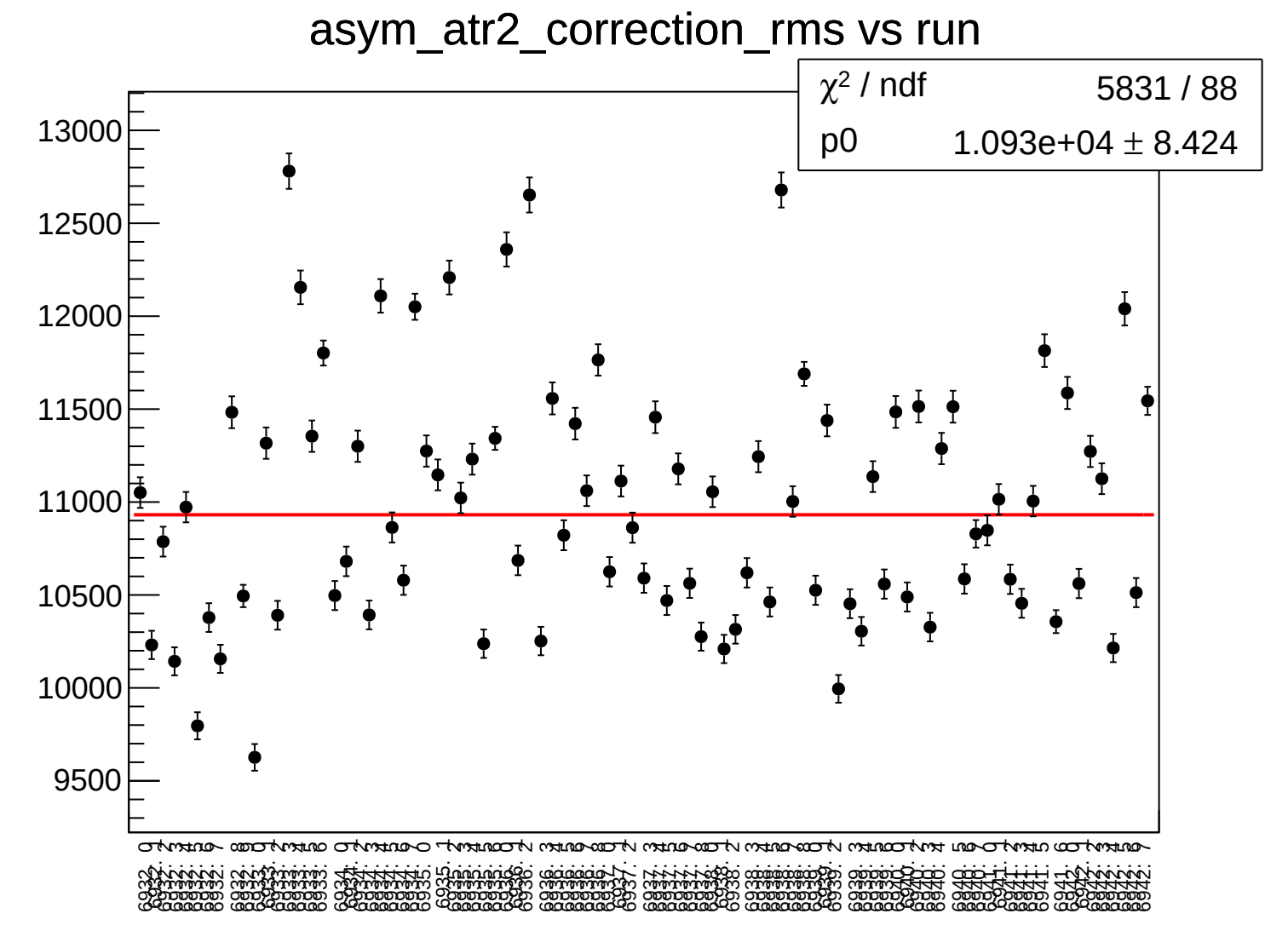


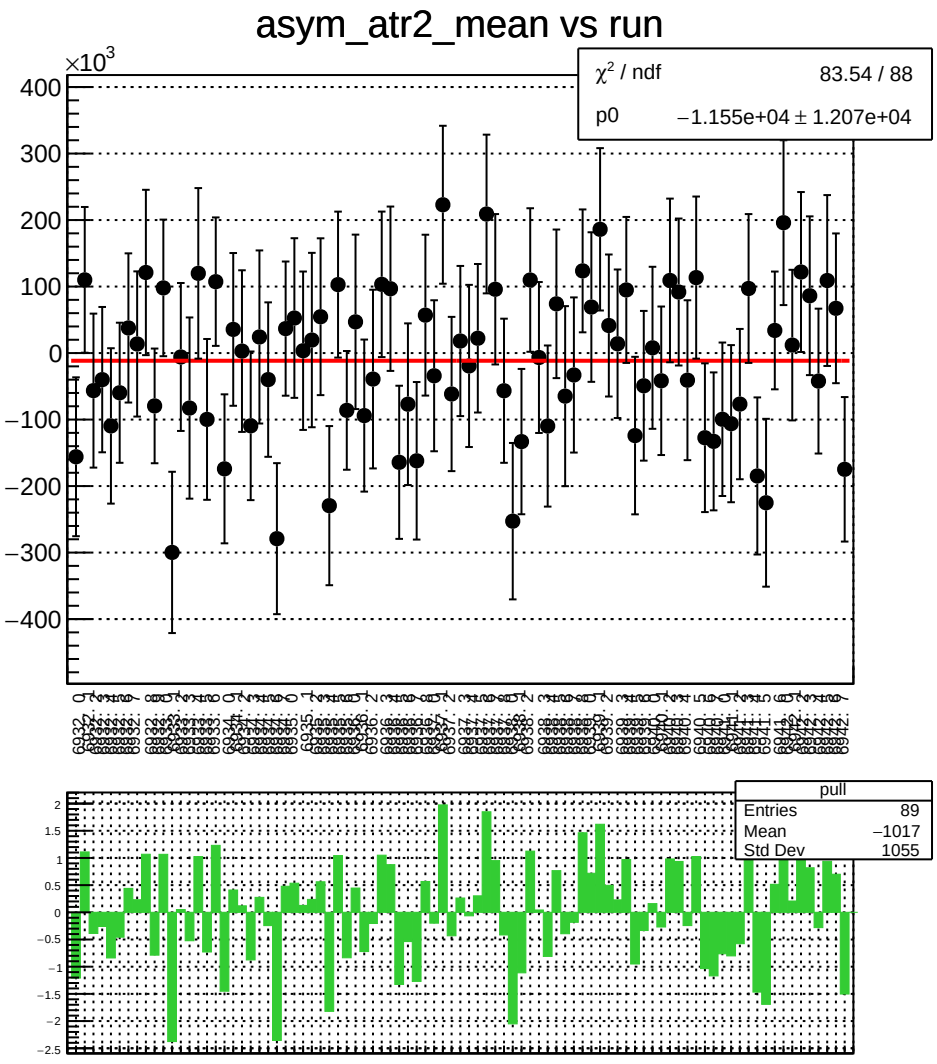

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 92.81 / 88
p0 −1336 ± 3027
pull
Entries 89
Mean −331.3
Std Dev 372.8
pull1D
Entries 89
Mean −0.004525
Std Dev 1.021

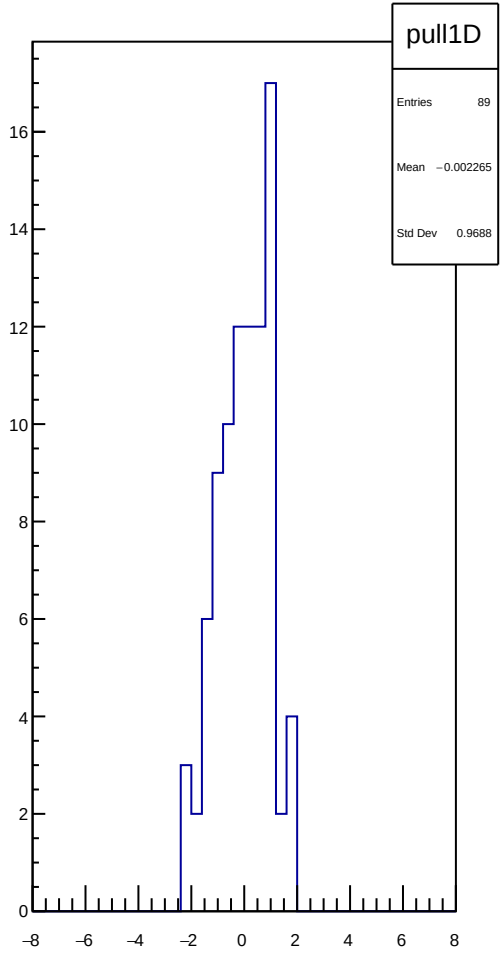

dit_asym_atr2_rms vs run
χ² / ndf 708.6 / 88
p0 2782 ± 2.14
3200
3100
3000
2900
2800
2700


asym_atr2_correction_mean vs run
×10^3
χ² / ndf 84.44 / 88
p0 1.017e+04 ± 1.191e+04
pull
Entries 89
Mean −1297
Std Dev 1334

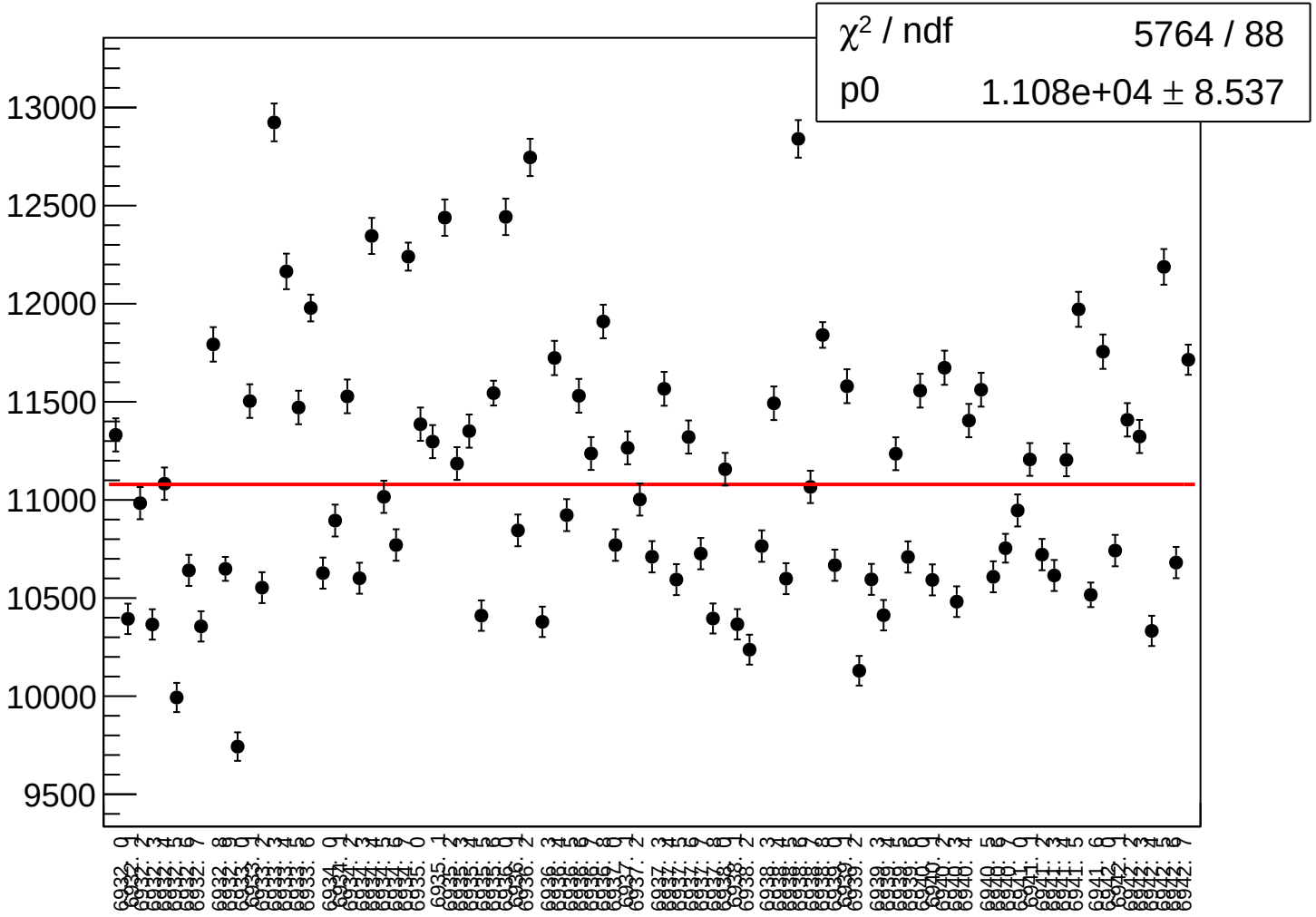

pull1D
Entries 89
Mean 0.001496
Std Dev 0.974

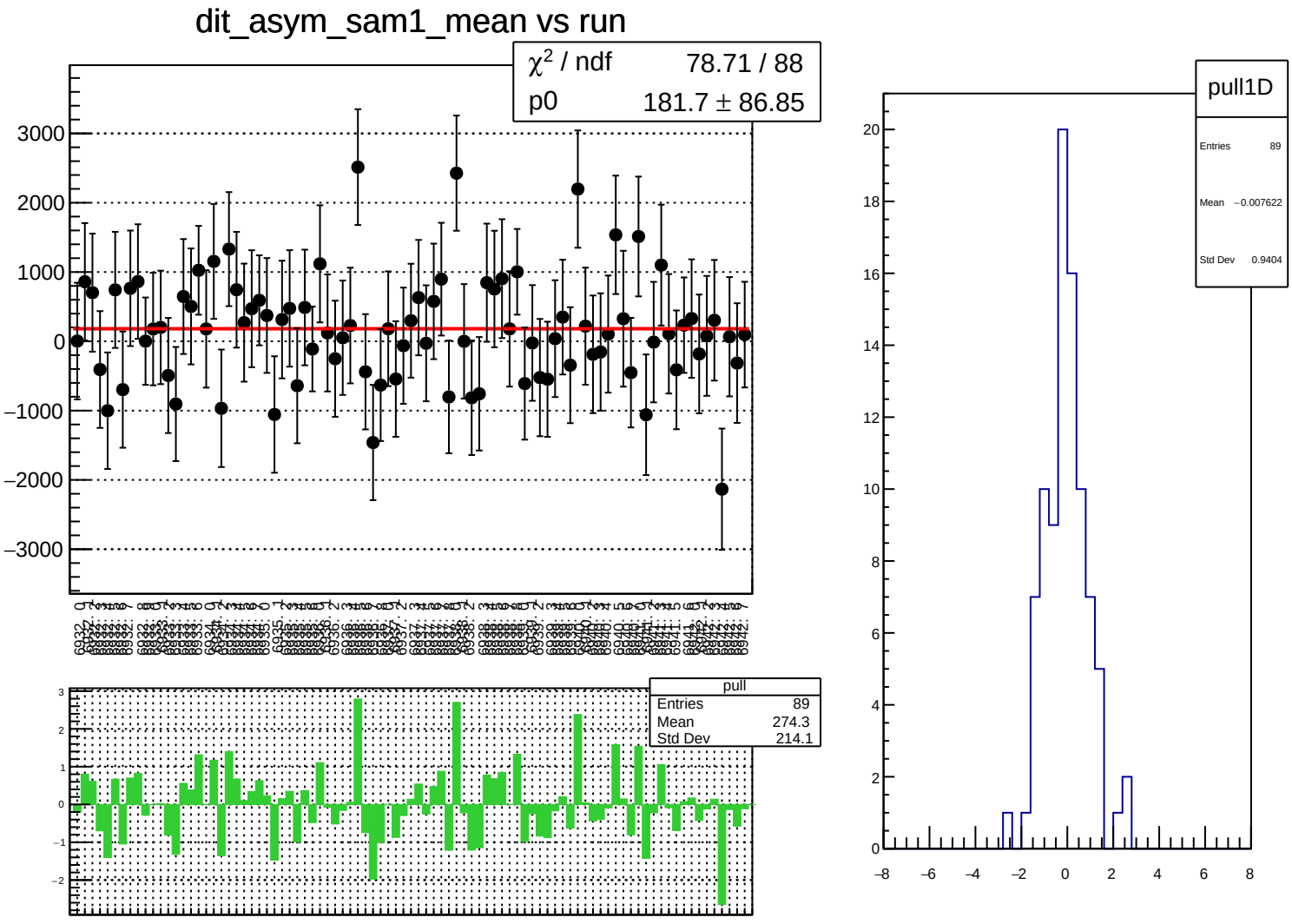

asym_atr2_correction_rms vs run
χ2 / ndf 5831 / 88
p0 1.093e+04 ± 8.424
13000
12500
12000
11500
11000
10500
10000
9500

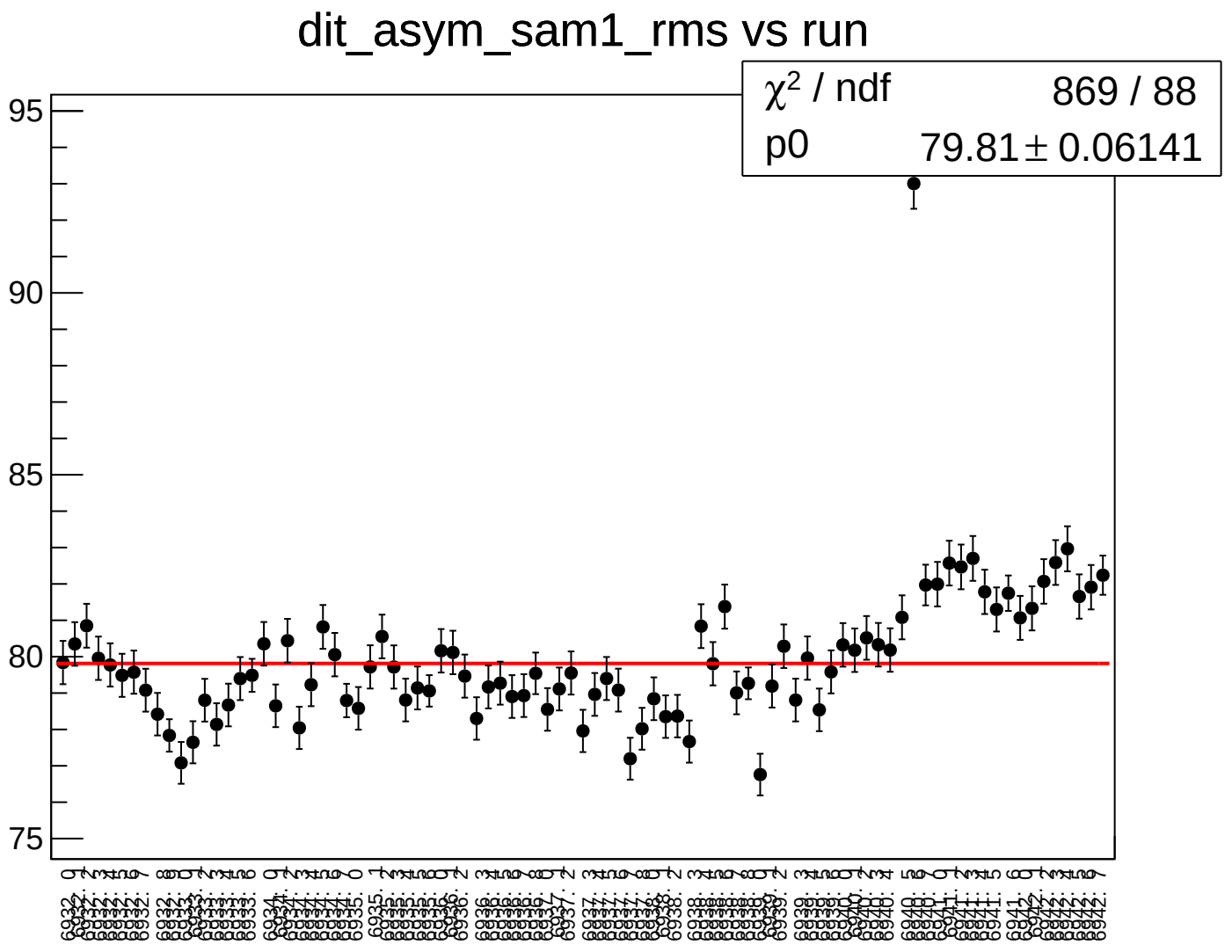

asym_atr2_mean vs run
×10^3
400
300
200
100
0
−100
−200
−300
−400
χ² / ndf 83.54 / 88
p0 −1.155e+04 ± 1.207e+04
pull
Entries 89
Mean −1017
Std Dev 1055
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

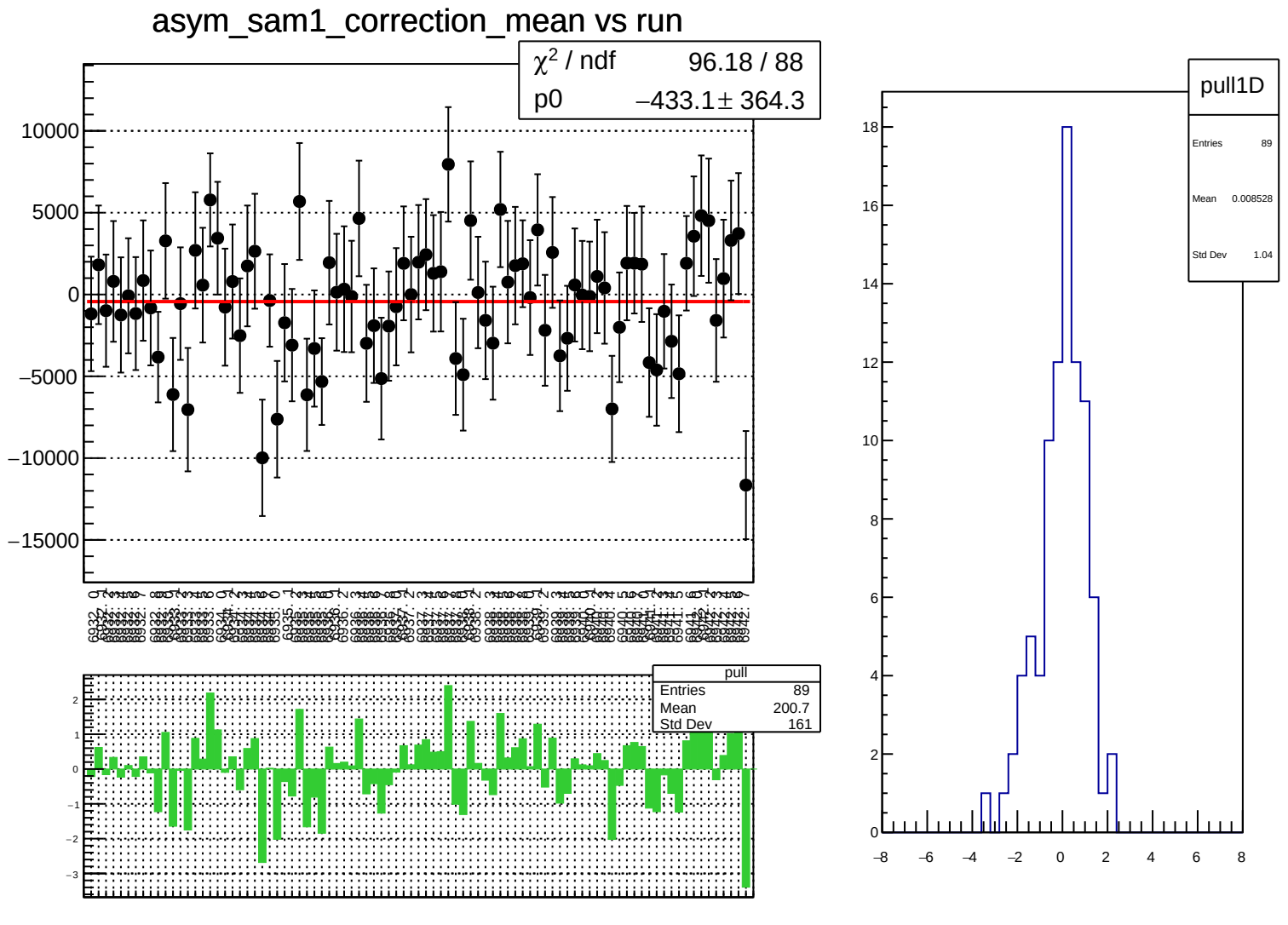

pull1D
Entries 89
Mean −0.002265
Std Dev 0.9688
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr2_rms vs run

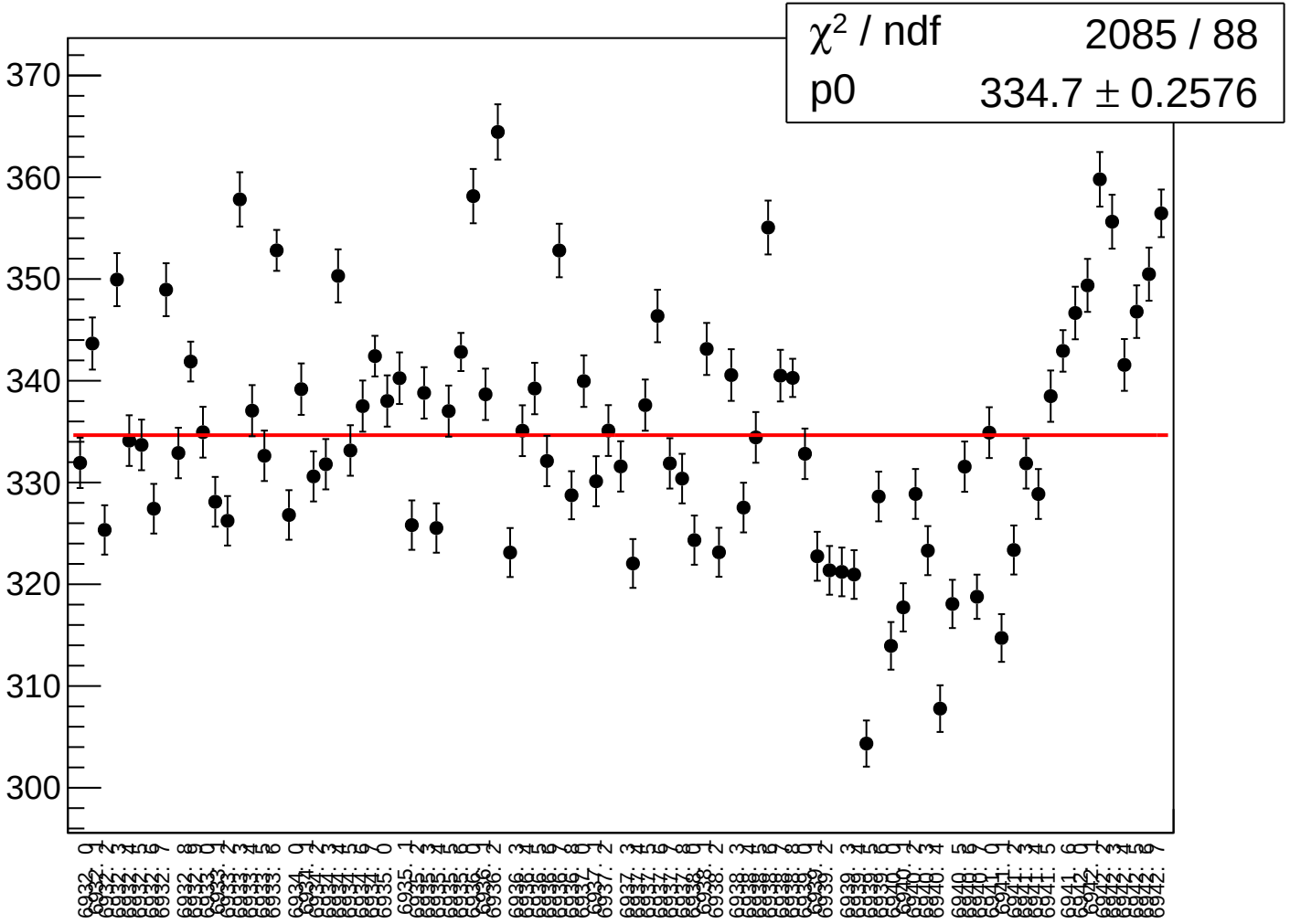


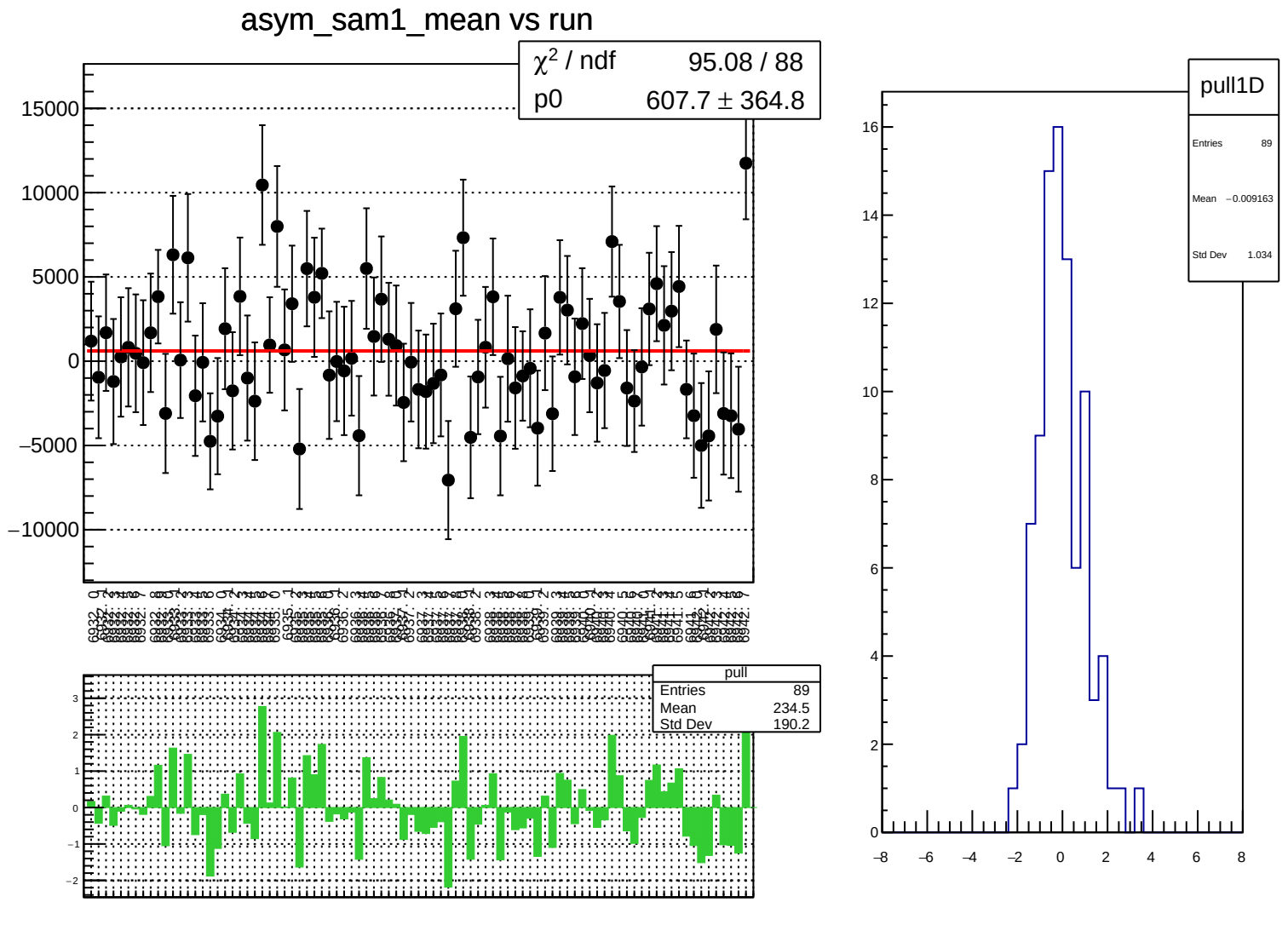

dit_asym_sam1_mean vs run
χ^2 / ndf 78.71 / 88
p0 181.7 ± 86.85
pull
Entries 89
Mean 274.3
Std Dev 214.1
pull1D
Entries 89
Mean −0.007622
Std Dev 0.9404


dit_asym_sam1_rms vs run
χ² / ndf 869 / 88
p0 79.81 ± 0.06141
95
90
85
80
75

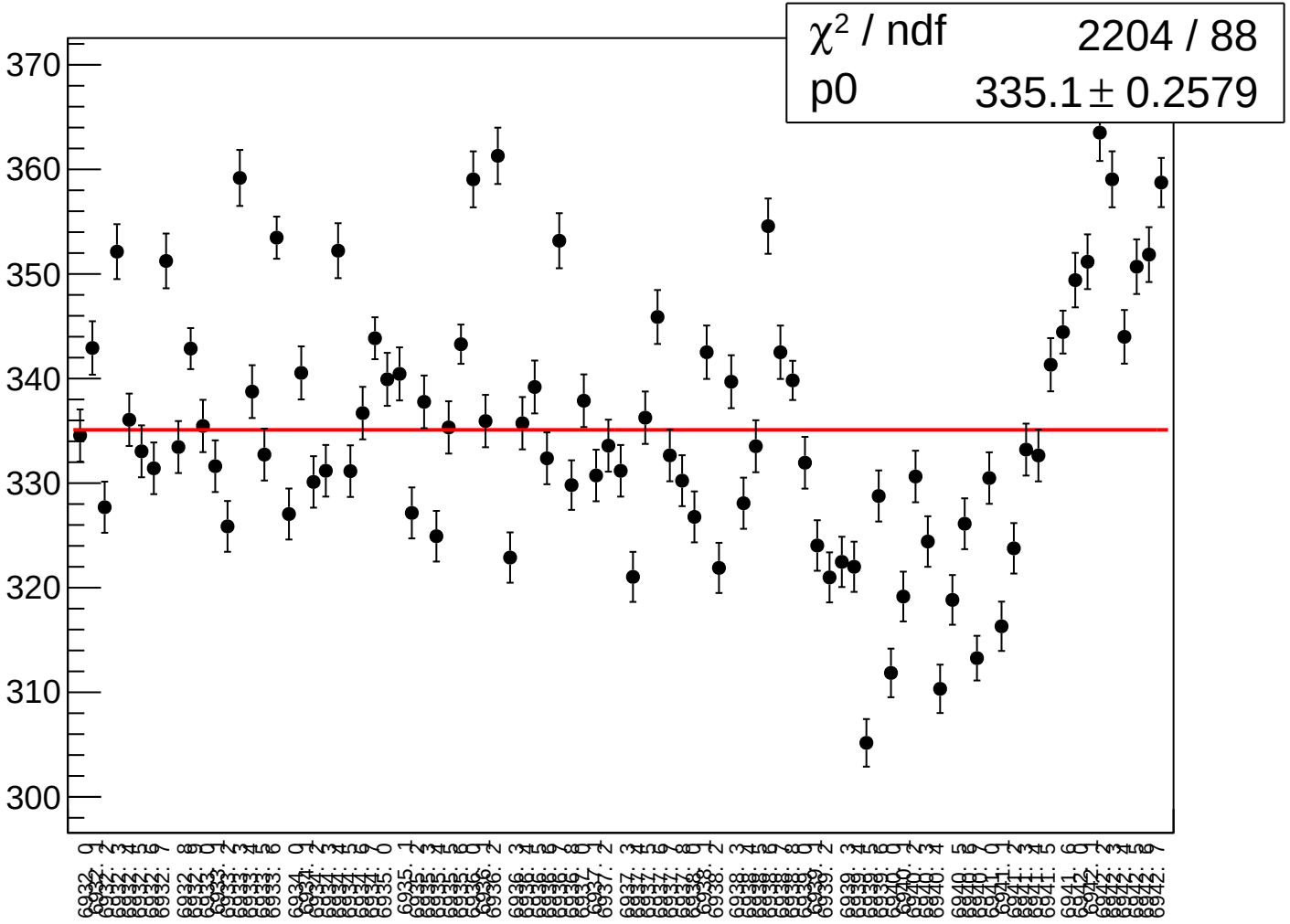

asym_sam1_correction_mean vs run
χ² / ndf 96.18 / 88
p0 −433.1 ± 364.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 200.7
Std Dev 161
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.008528
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

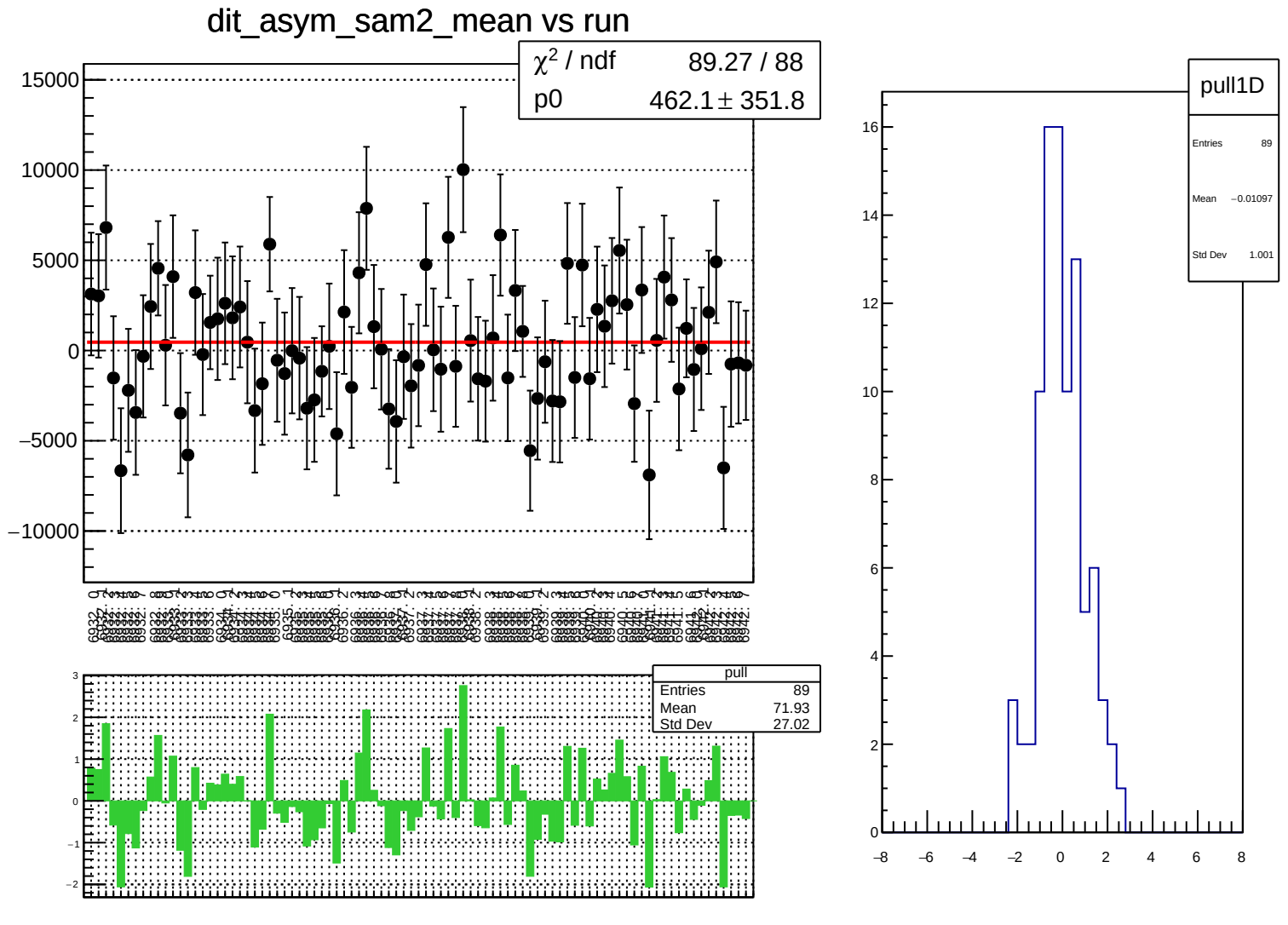
asym_sam1_correction_rms vs run

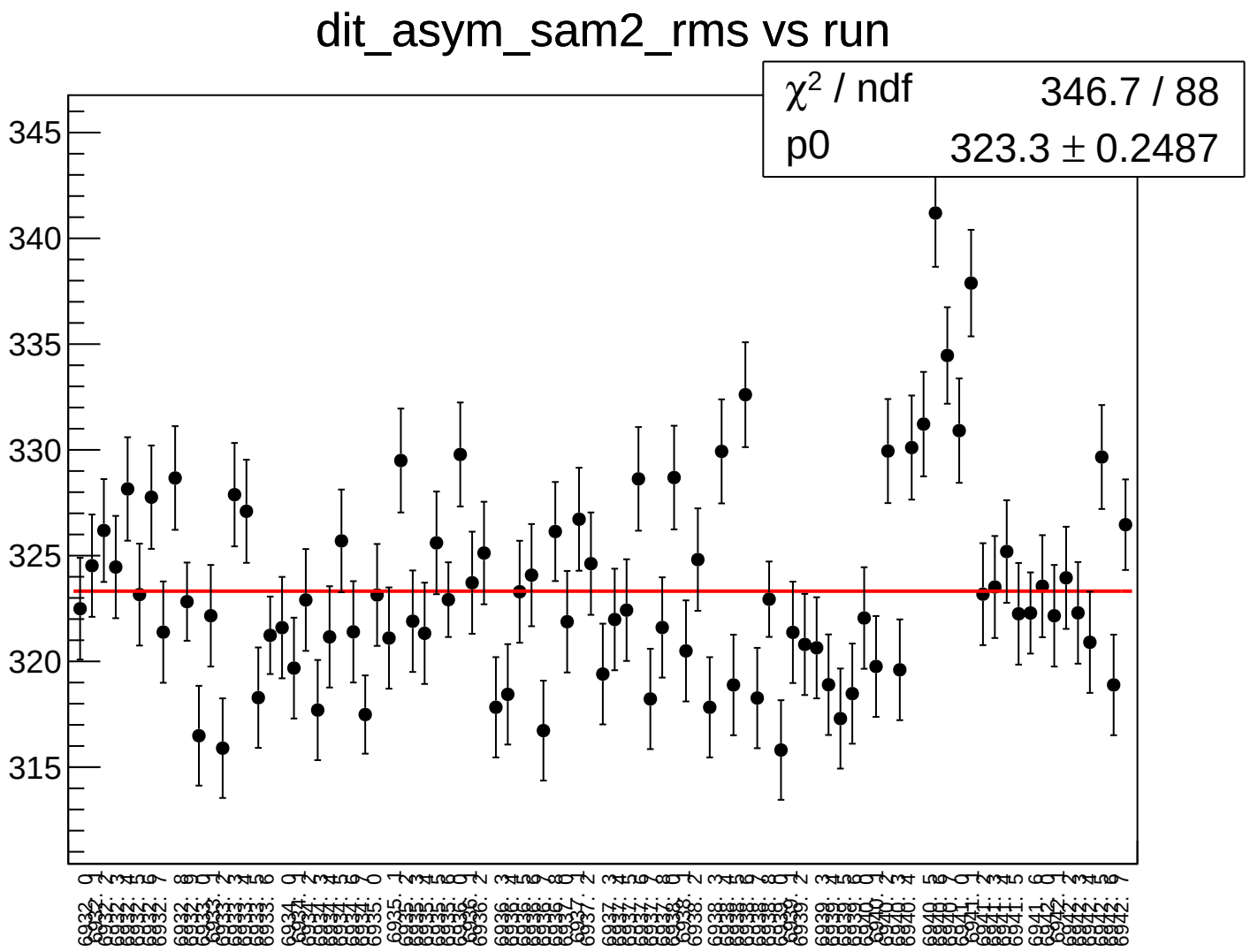


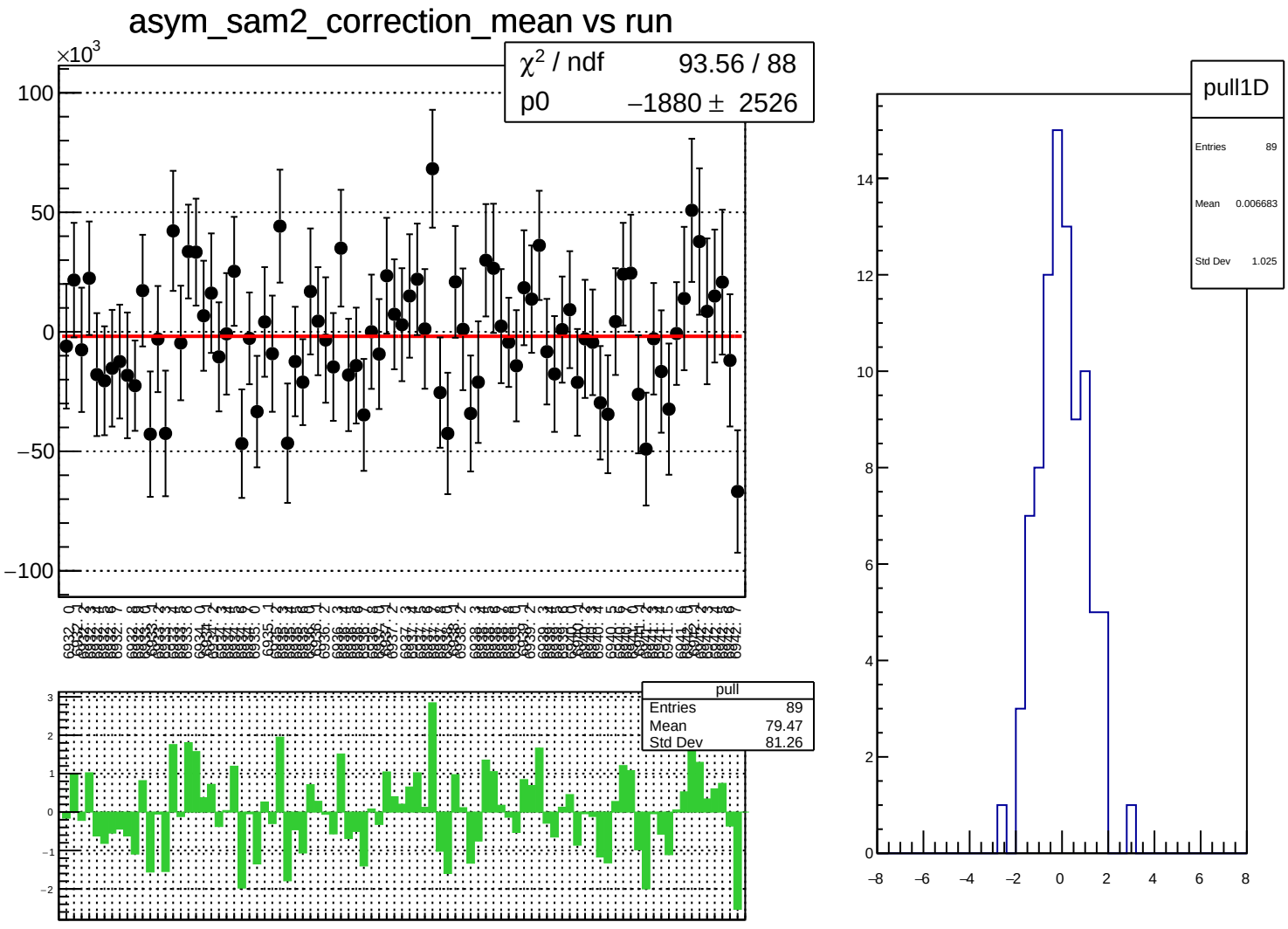

asym_sam1_mean vs run
χ² / ndf 95.08 / 88
p0 607.7 ± 364.8
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 234.5
Std Dev 190.2
3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.009163
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run

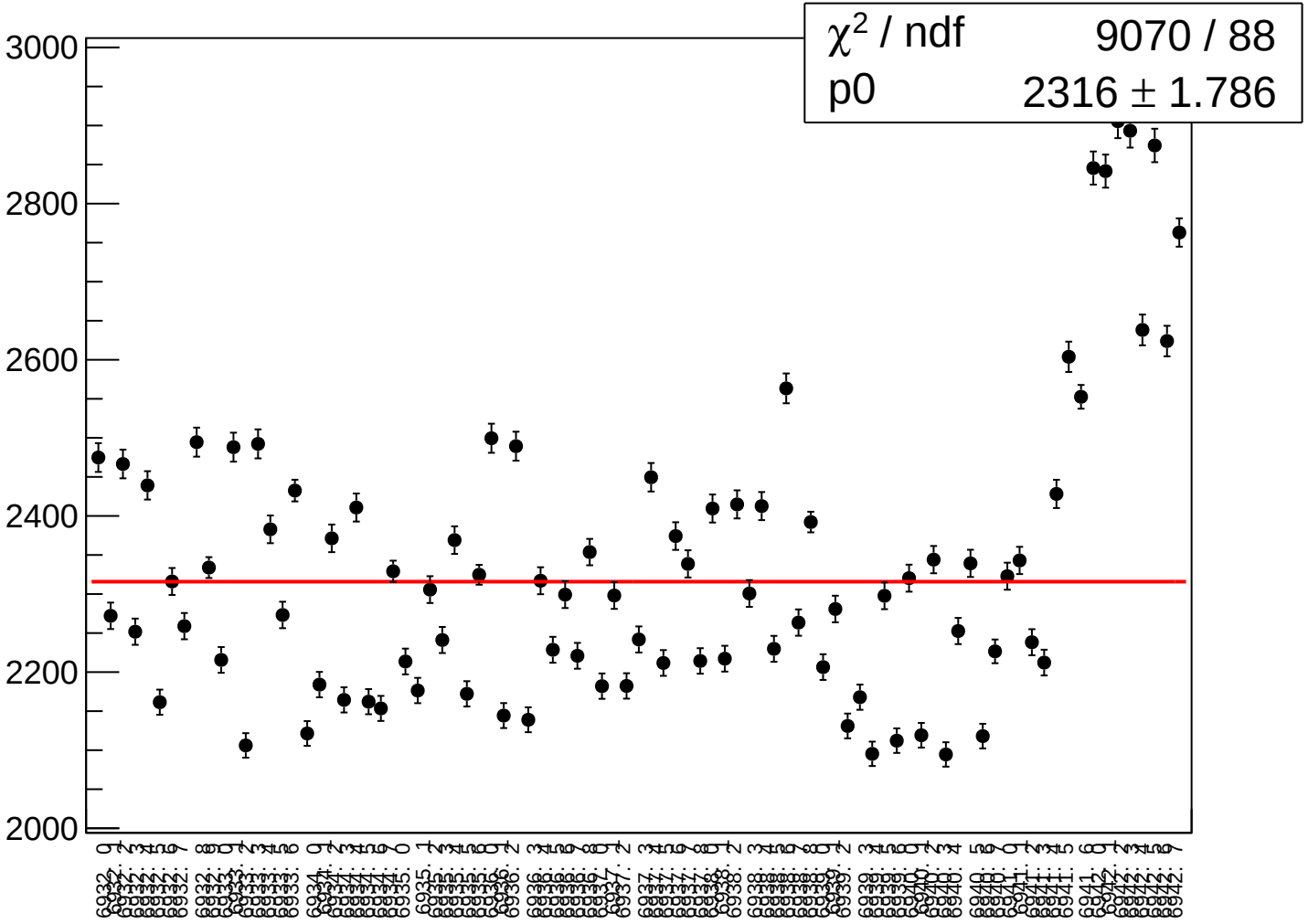


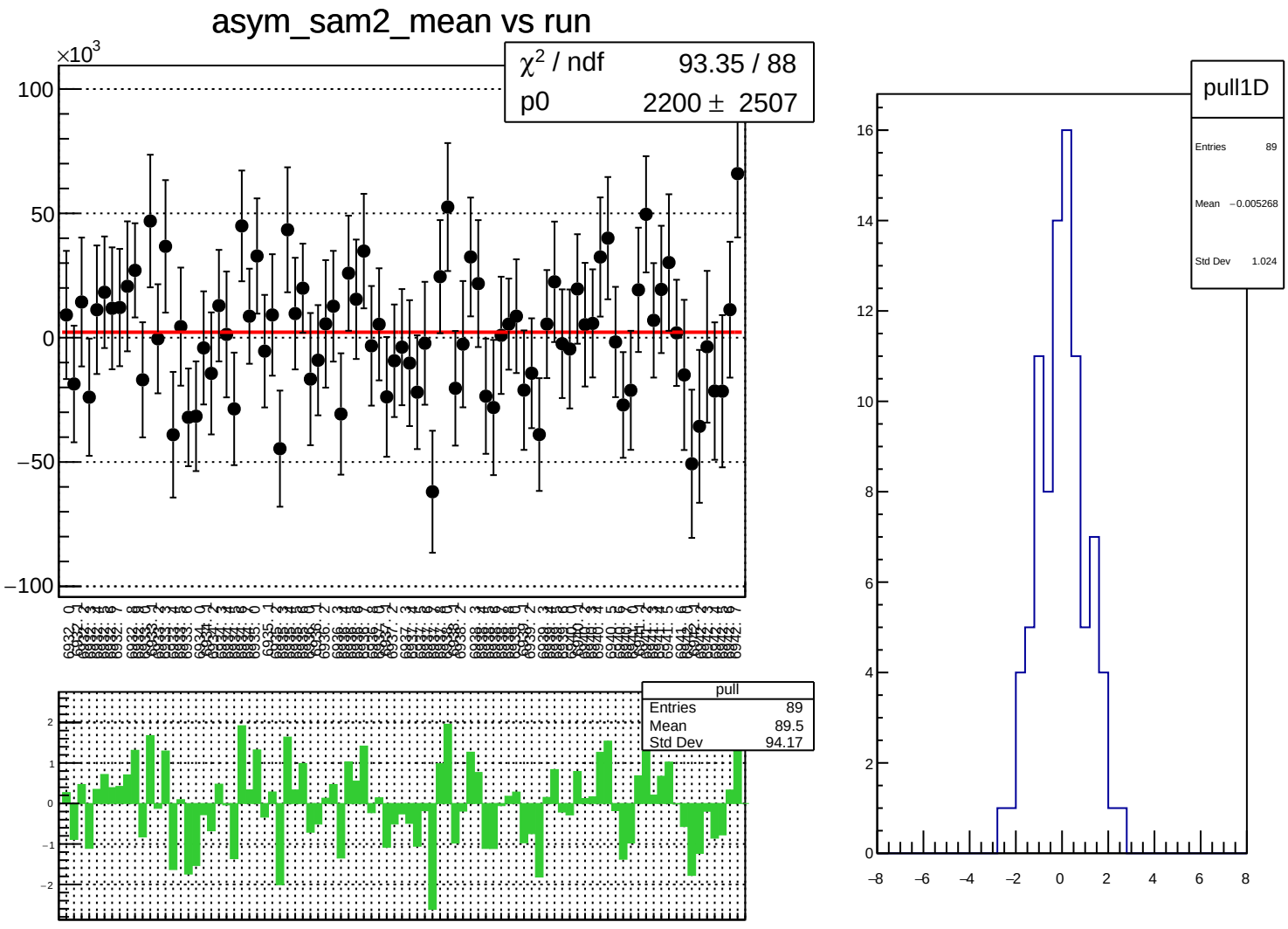

dit_asym_sam2_mean vs run
χ² / ndf 89.27 / 88
p0 462.1 ± 351.8
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 71.93
Std Dev 27.02
3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.01097
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

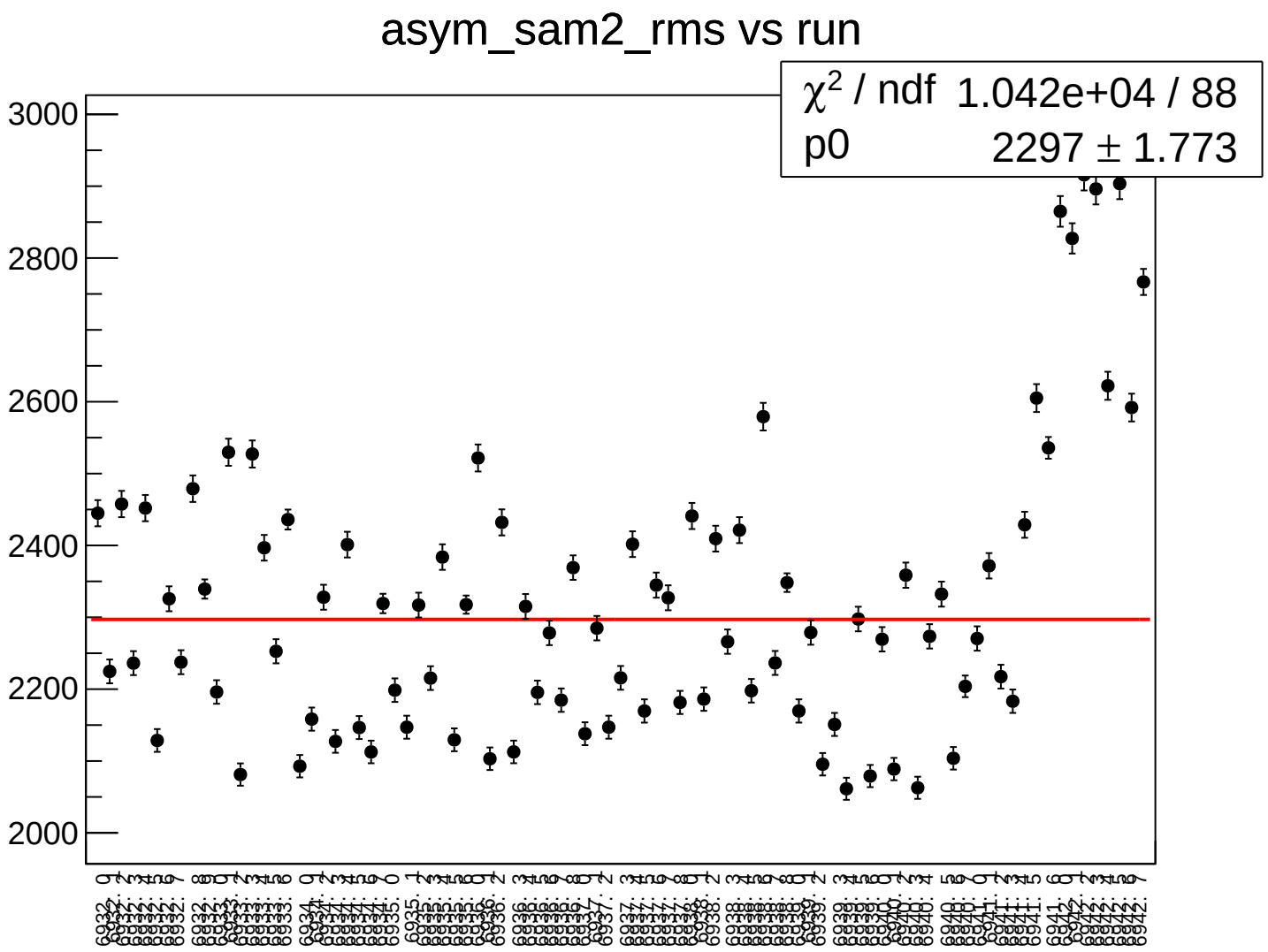

dit_asym_sam2_rms vs run
χ^2 / ndf 346.7 / 88
p0 323.3 ± 0.2487
345
340
335
330
325
320
315

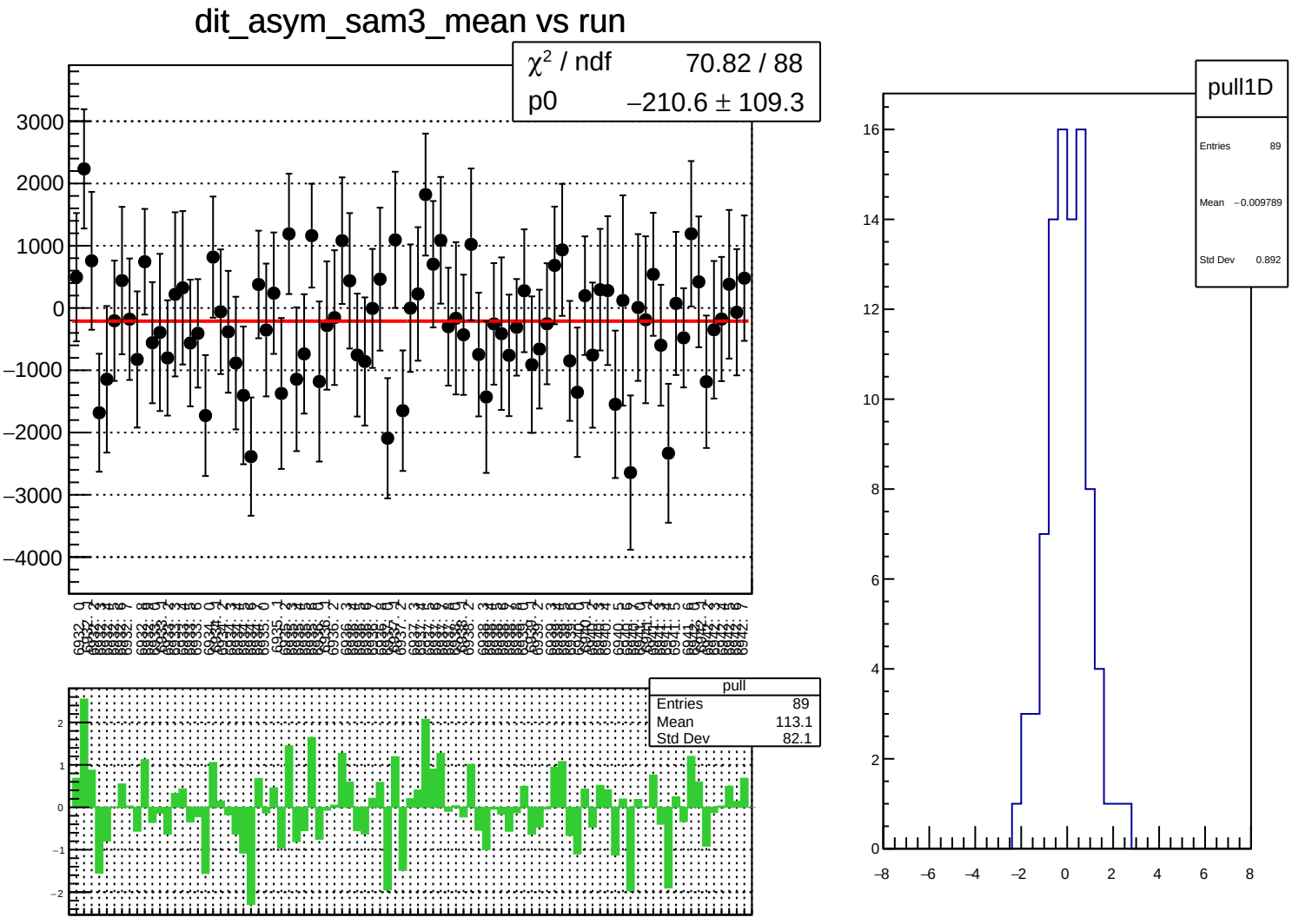

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 93.56 / 88
p0 −1880 ± 2526
pull
Entries 89
Mean 79.47
Std Dev 81.26
pull1D
Entries 89
Mean 0.006683
Std Dev 1.025

asym_sam2_correction_rms vs run

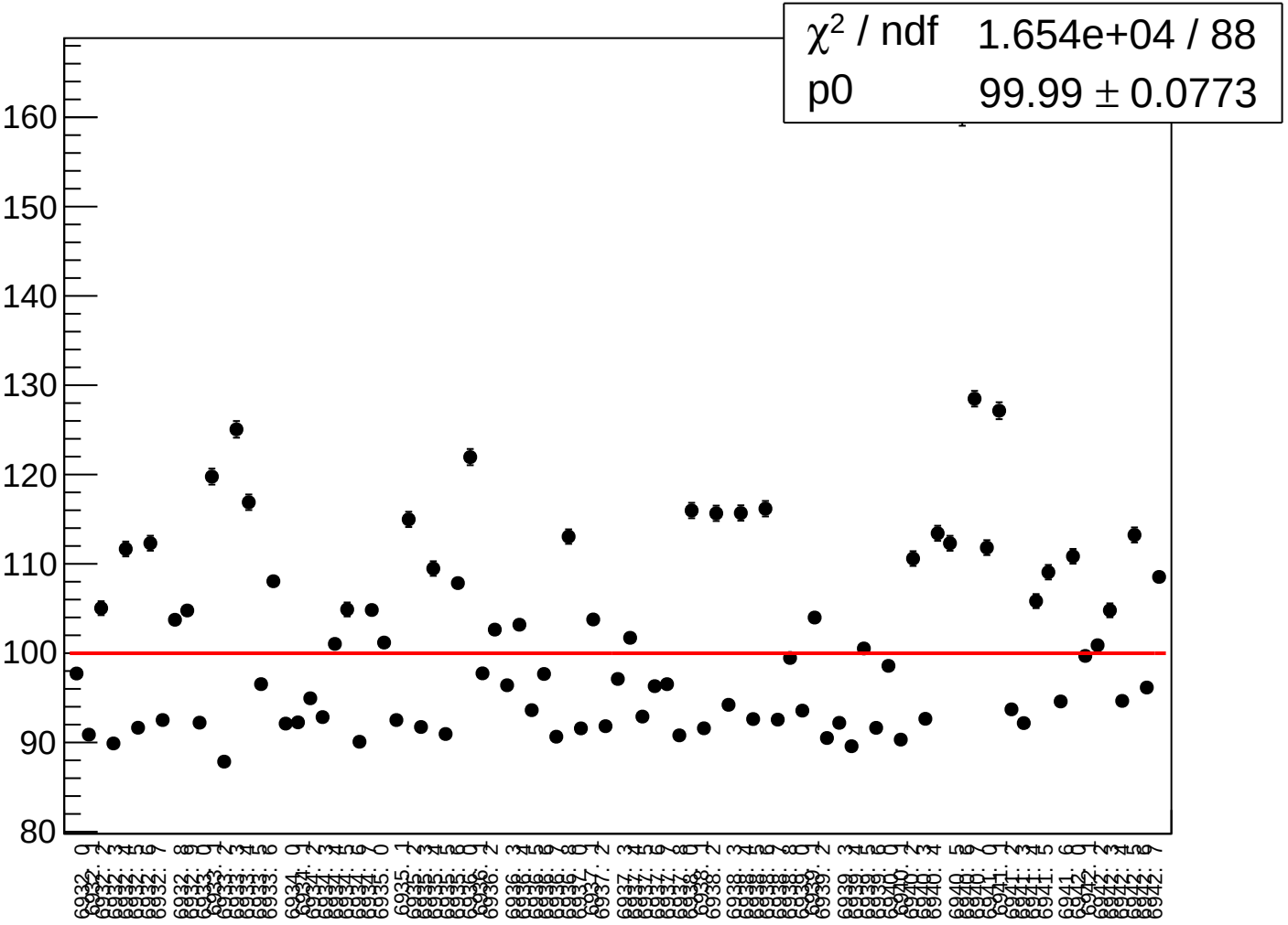


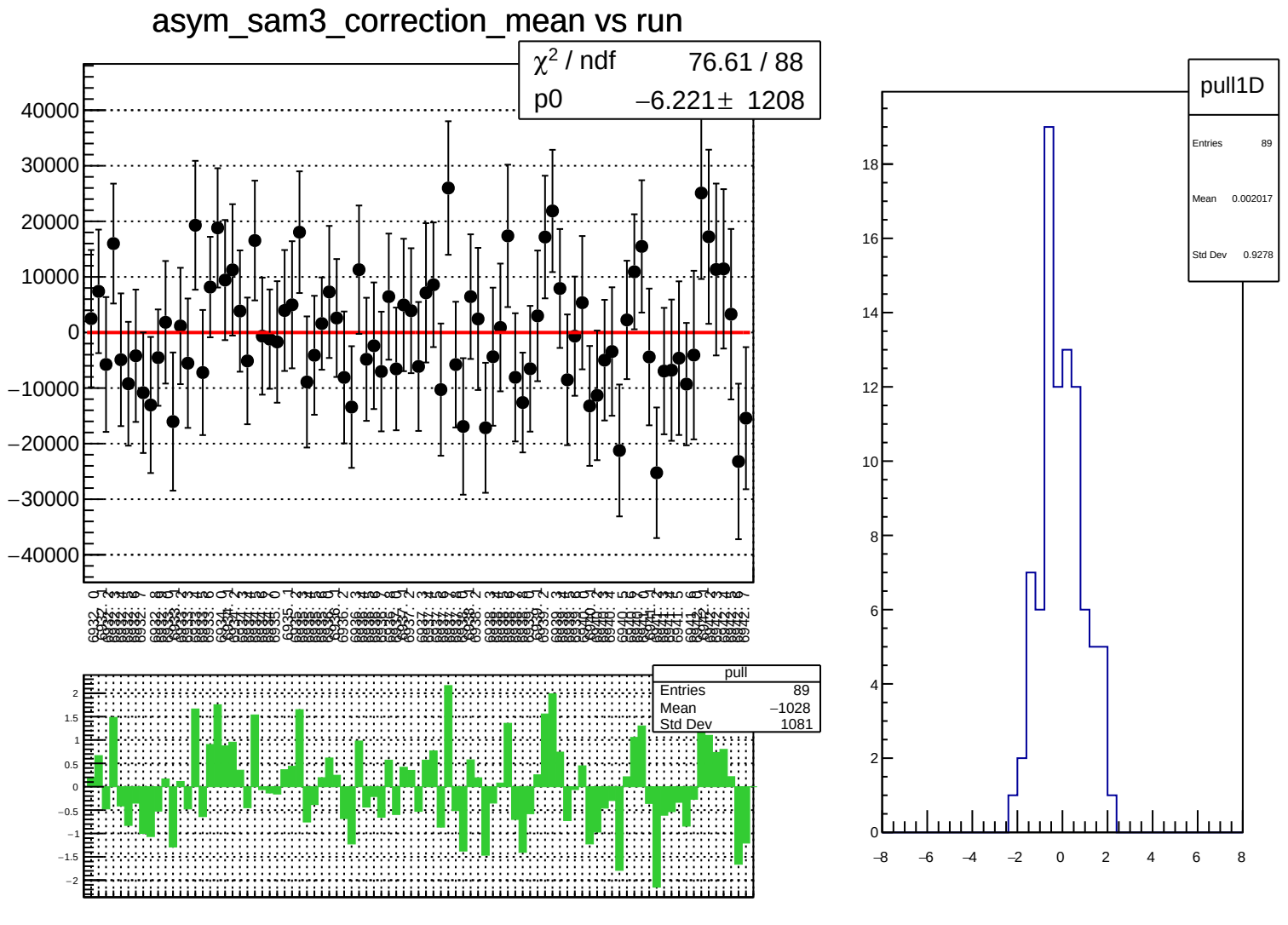

asym_sam2_mean vs run
×10^3
χ^2 / ndf 93.35 / 88
p0 2200 ± 2507
pull
Entries 89
Mean 89.5
Std Dev 94.17
pull1D
Entries 89
Mean −0.005268
Std Dev 1.024


asym_sam2_rms vs run
χ2 / ndf 1.042e+04 / 88
p0 2297 ± 1.773
3000
2800
2600
2400
2200
2000

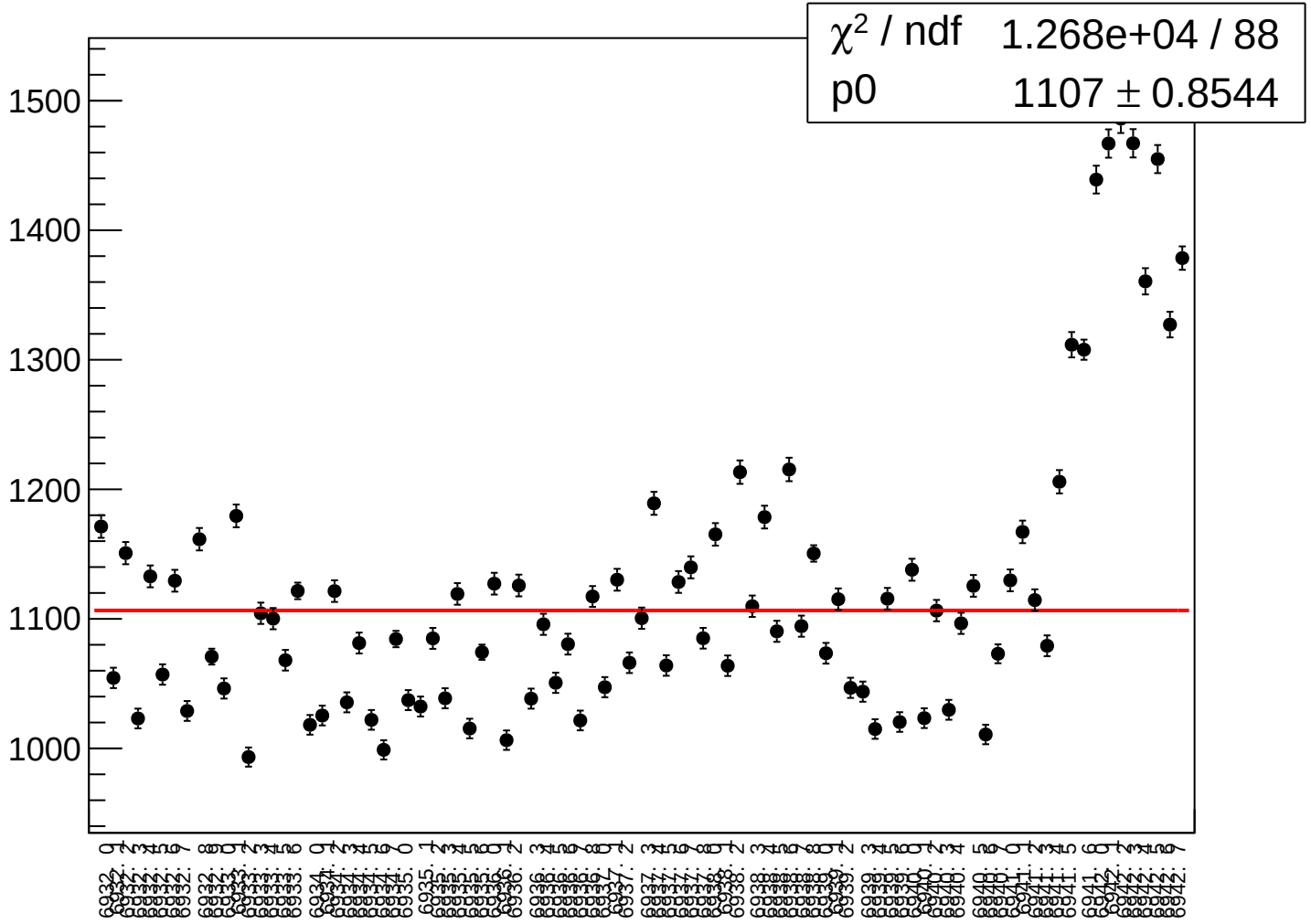

dit_asym_sam3_mean vs run
χ^2 / ndf 70.82 / 88
p0 −210.6 ± 109.3
pull
Entries 89
Mean 113.1
Std Dev 82.1
pull1D
Entries 89
Mean −0.009789
Std Dev 0.892

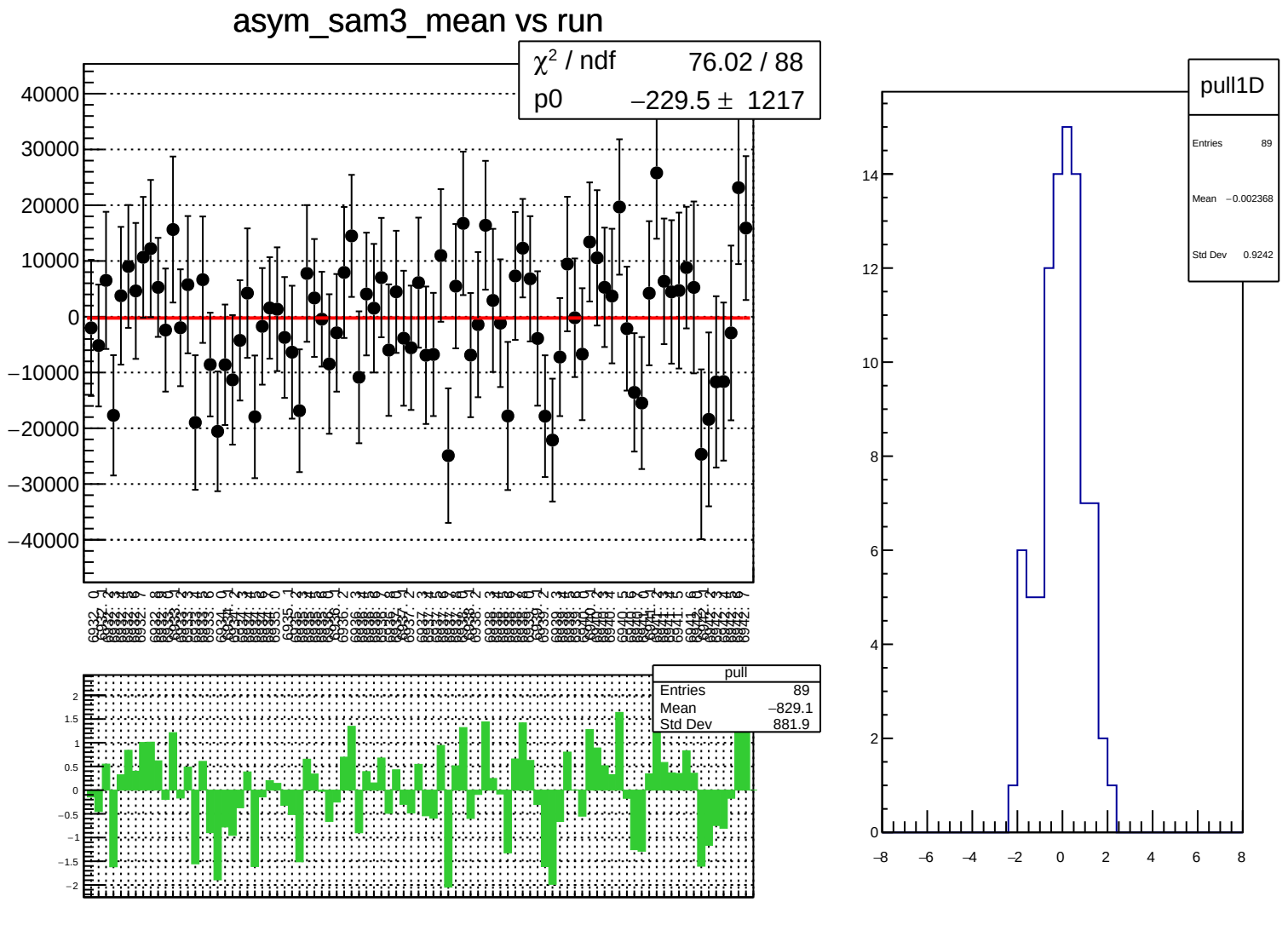
dit_asym_sam3_rms vs run

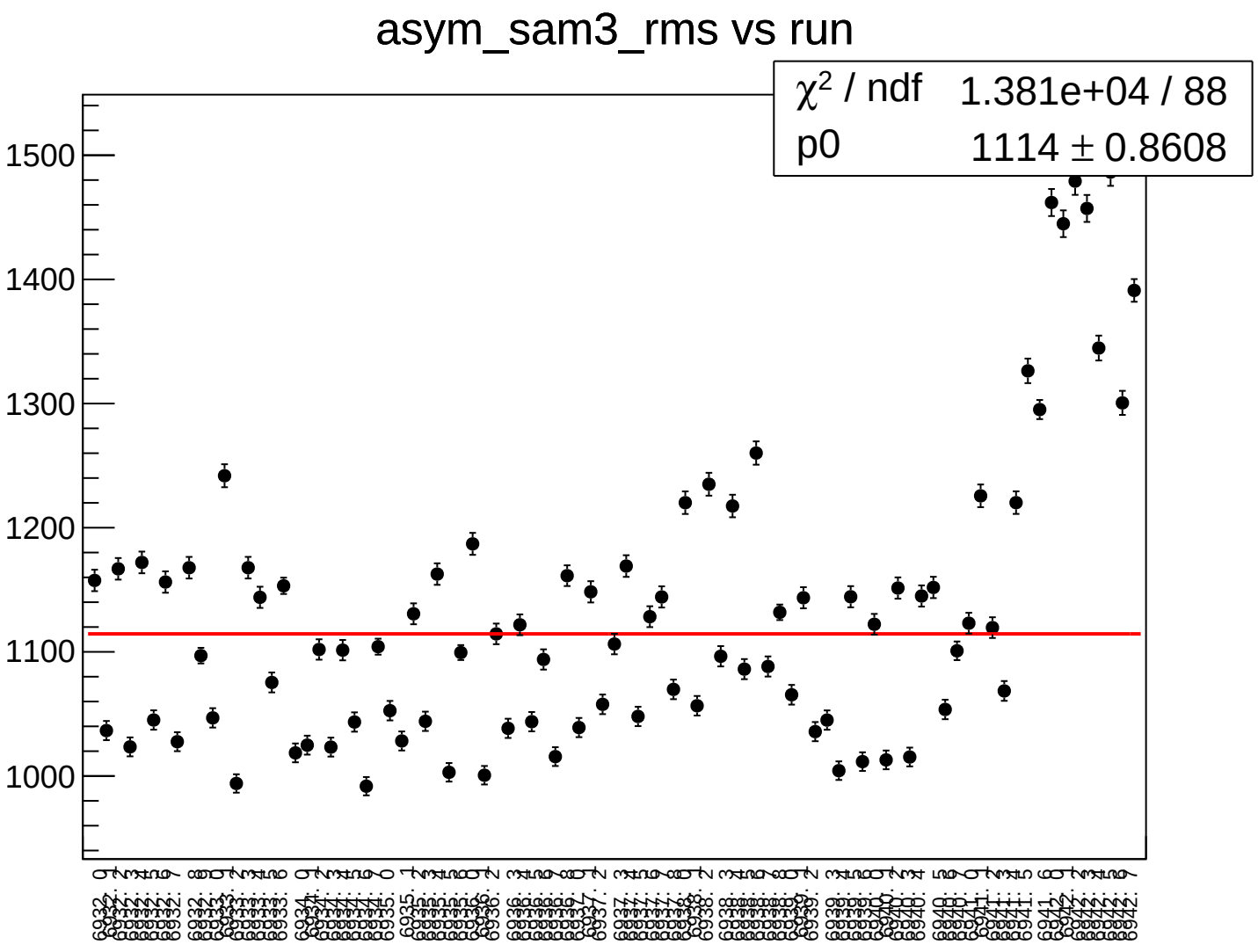


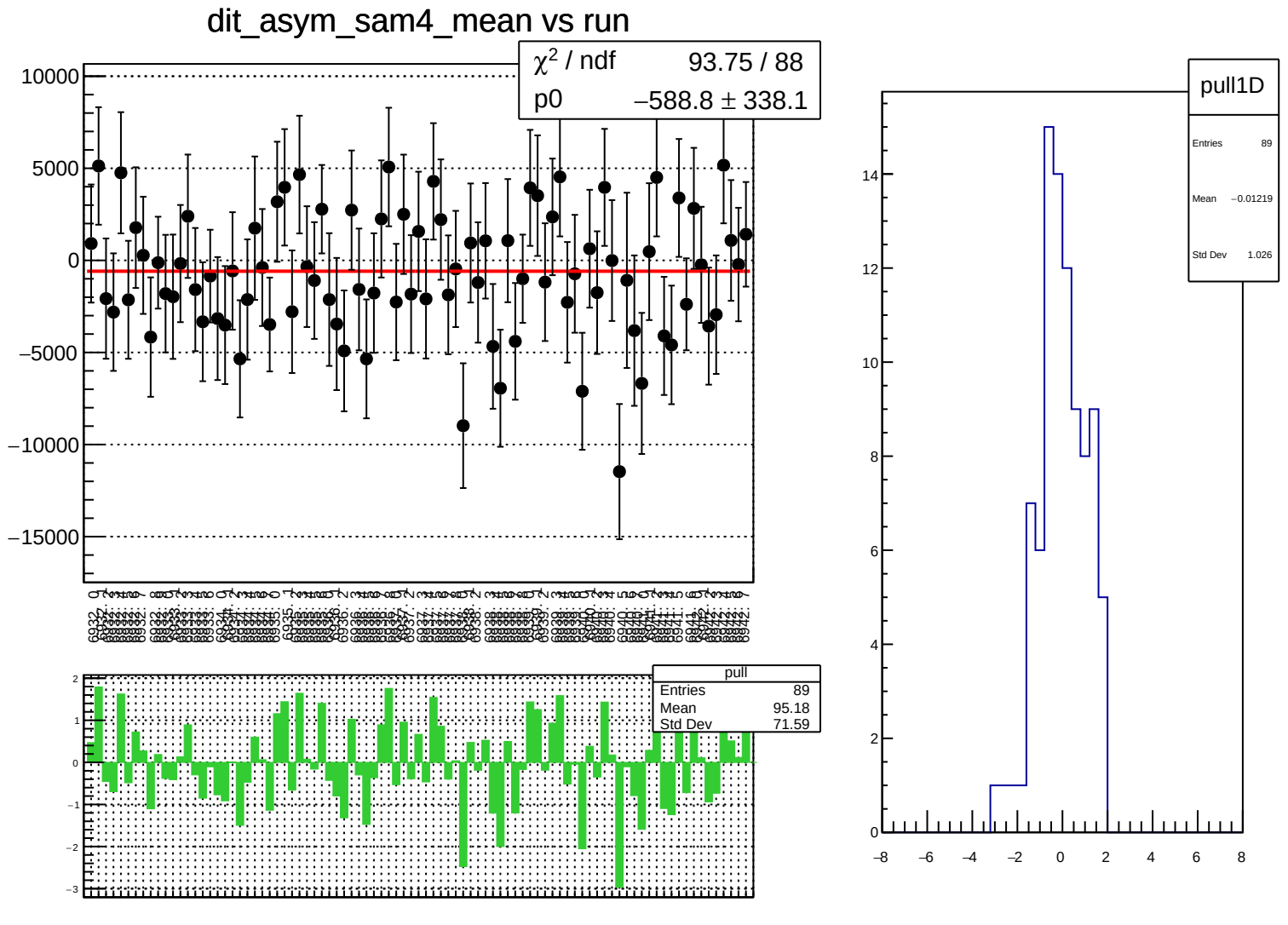

asym_sam3_correction_mean vs run
χ² / ndf 76.61 / 88
p0 −6.221± 1208
pull
Entries 89
Mean −1028
Std Dev 1081
pull1D
Entries 89
Mean 0.002017
Std Dev 0.9278

asym_sam3_correction_rms vs run

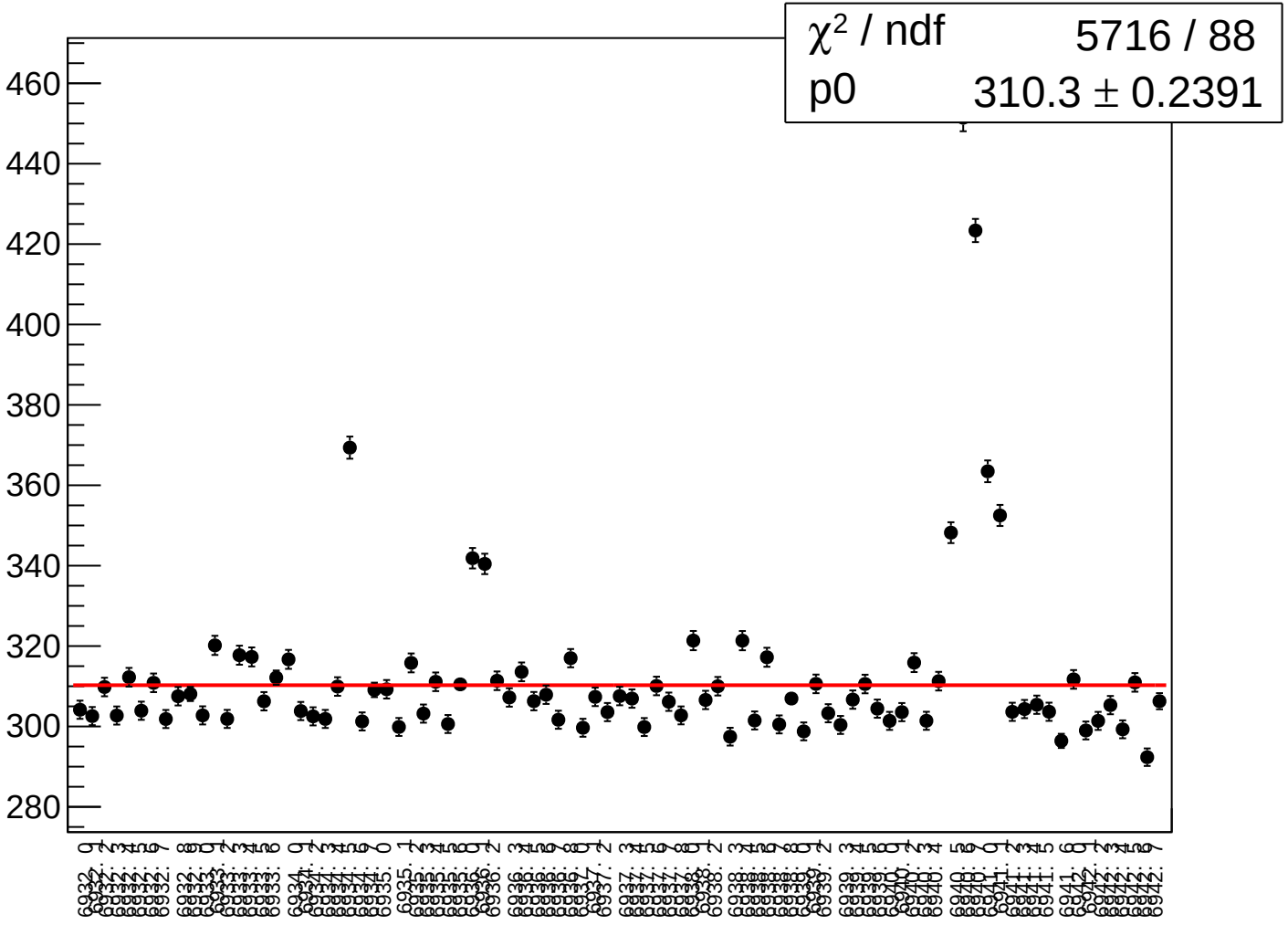


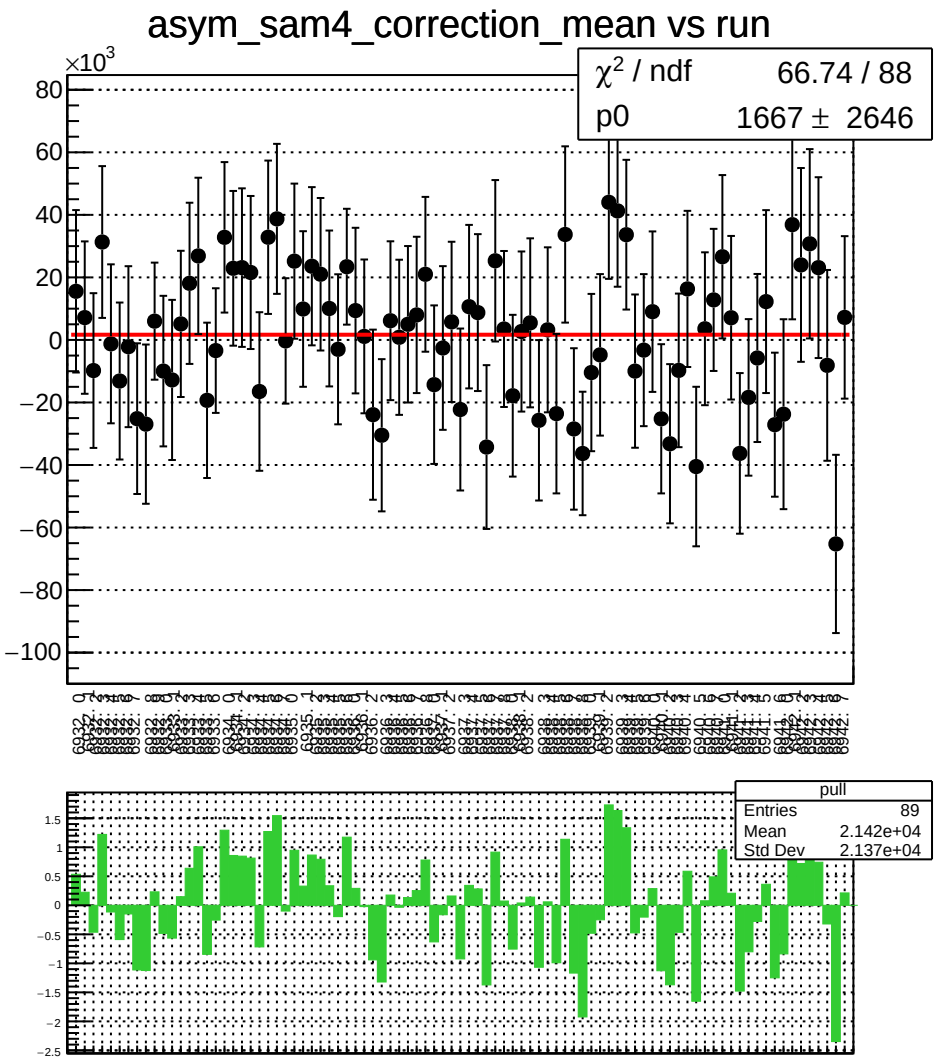

asym_sam3_mean vs run
χ² / ndf 76.02 / 88
p0 −229.5 ± 1217
pull
Entries 89
Mean −829.1
Std Dev 881.9
pull1D
Entries 89
Mean −0.002368
Std Dev 0.9242

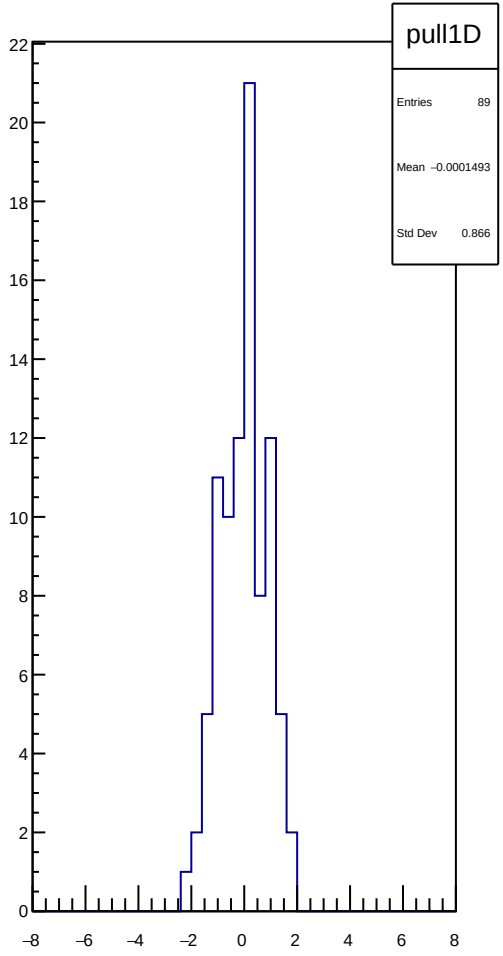

asym_sam3_rms vs run
χ² / ndf 1.381e+04 / 88
p0 1114 ± 0.8608
1500
1400
1300
1200
1100
1000

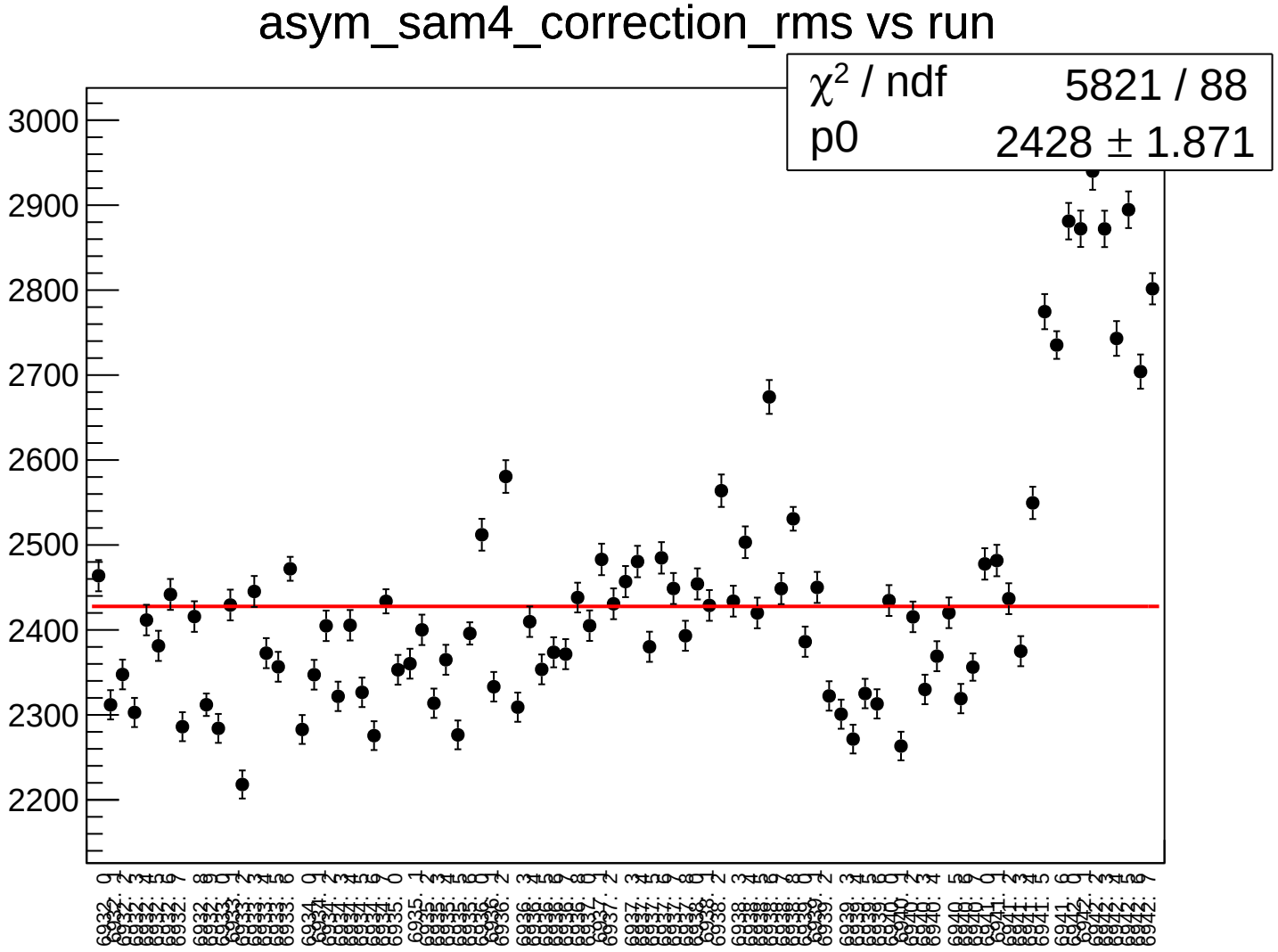

dit_asym_sam4_mean vs run
χ² / ndf 93.75 / 88
p0 −588.8 ± 338.1
pull
Entries 89
Mean 95.18
Std Dev 71.59
pull1D
Entries 89
Mean −0.01219
Std Dev 1.026

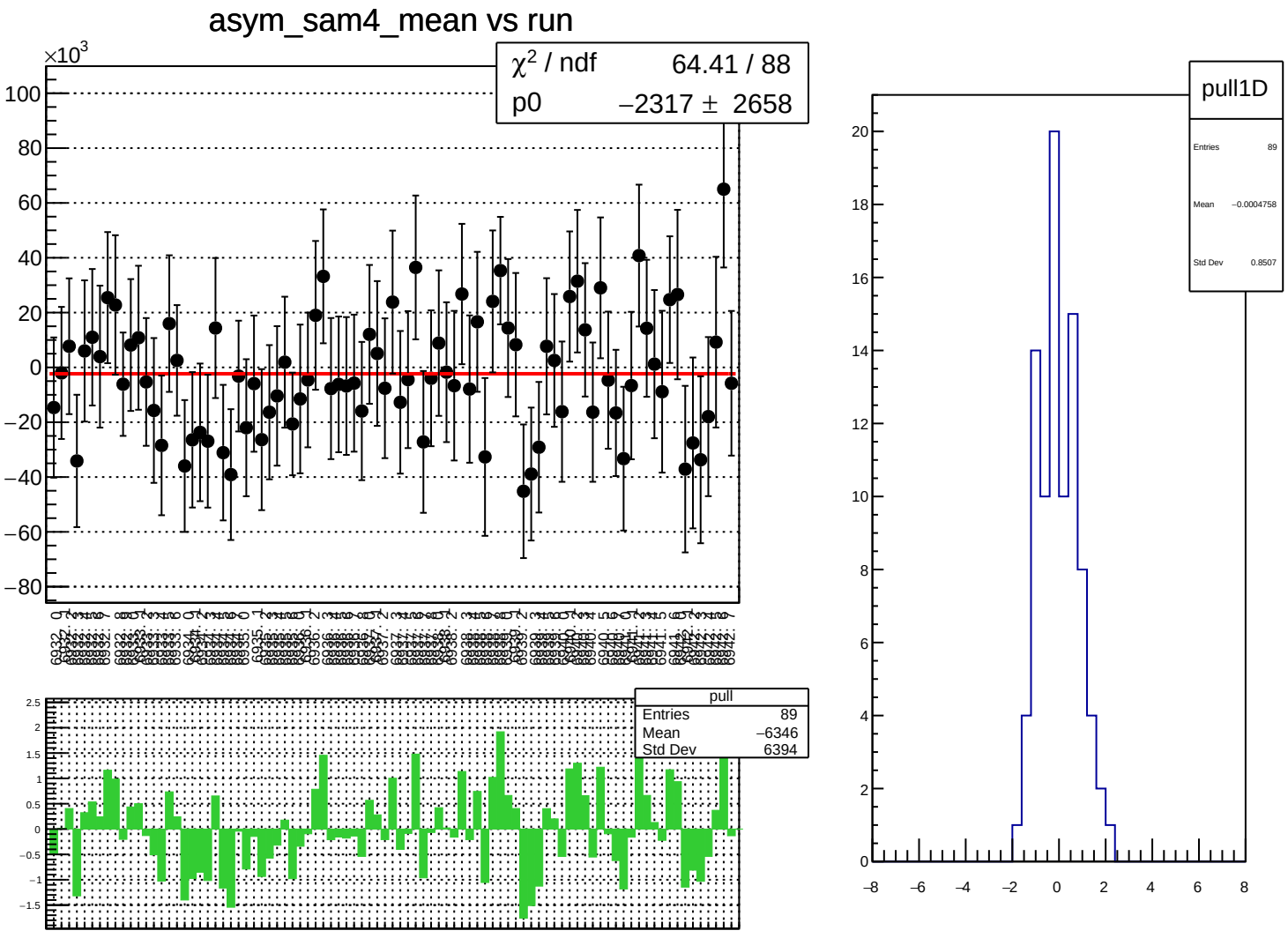
dit_asym_sam4_rms vs run

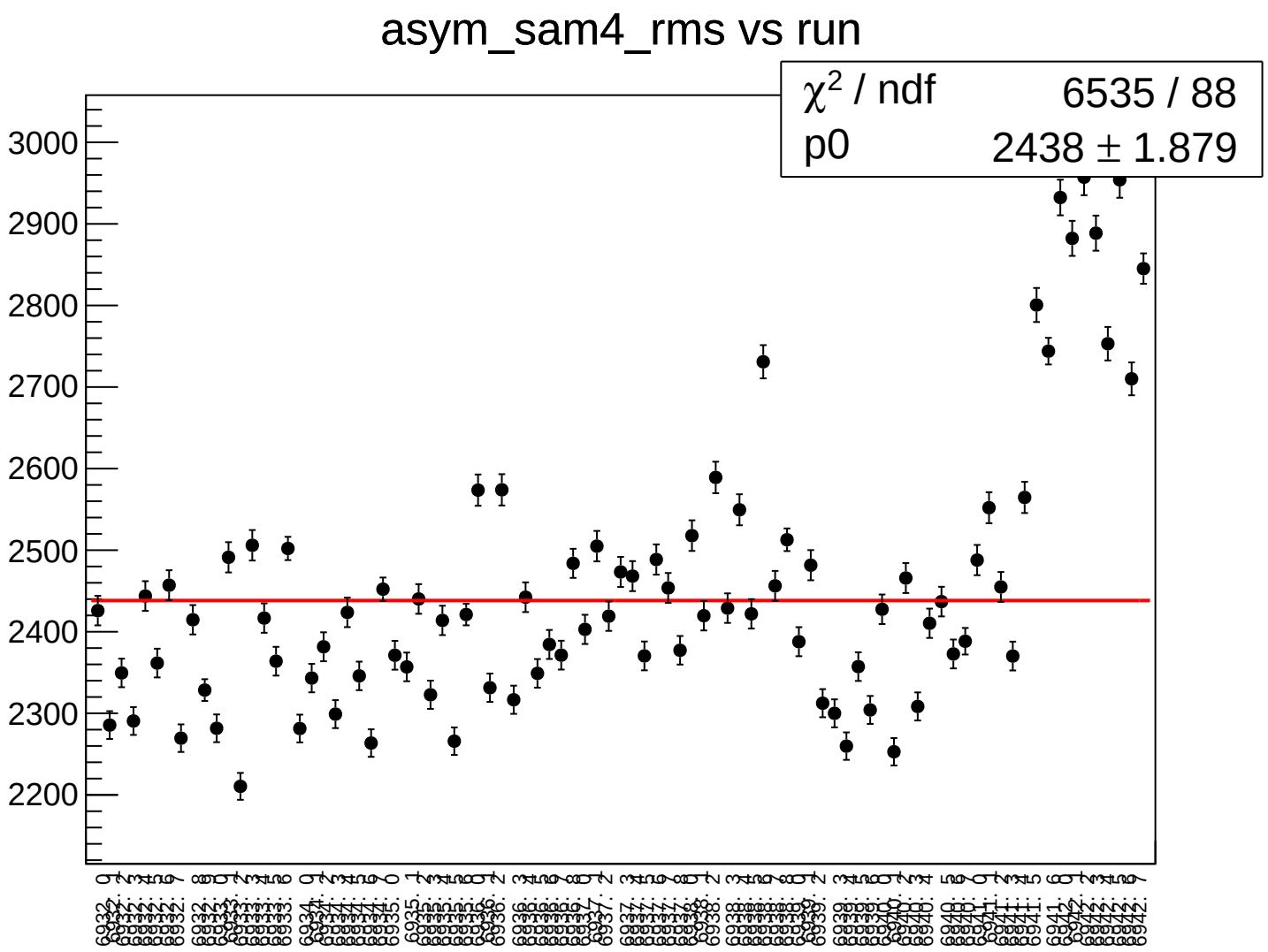


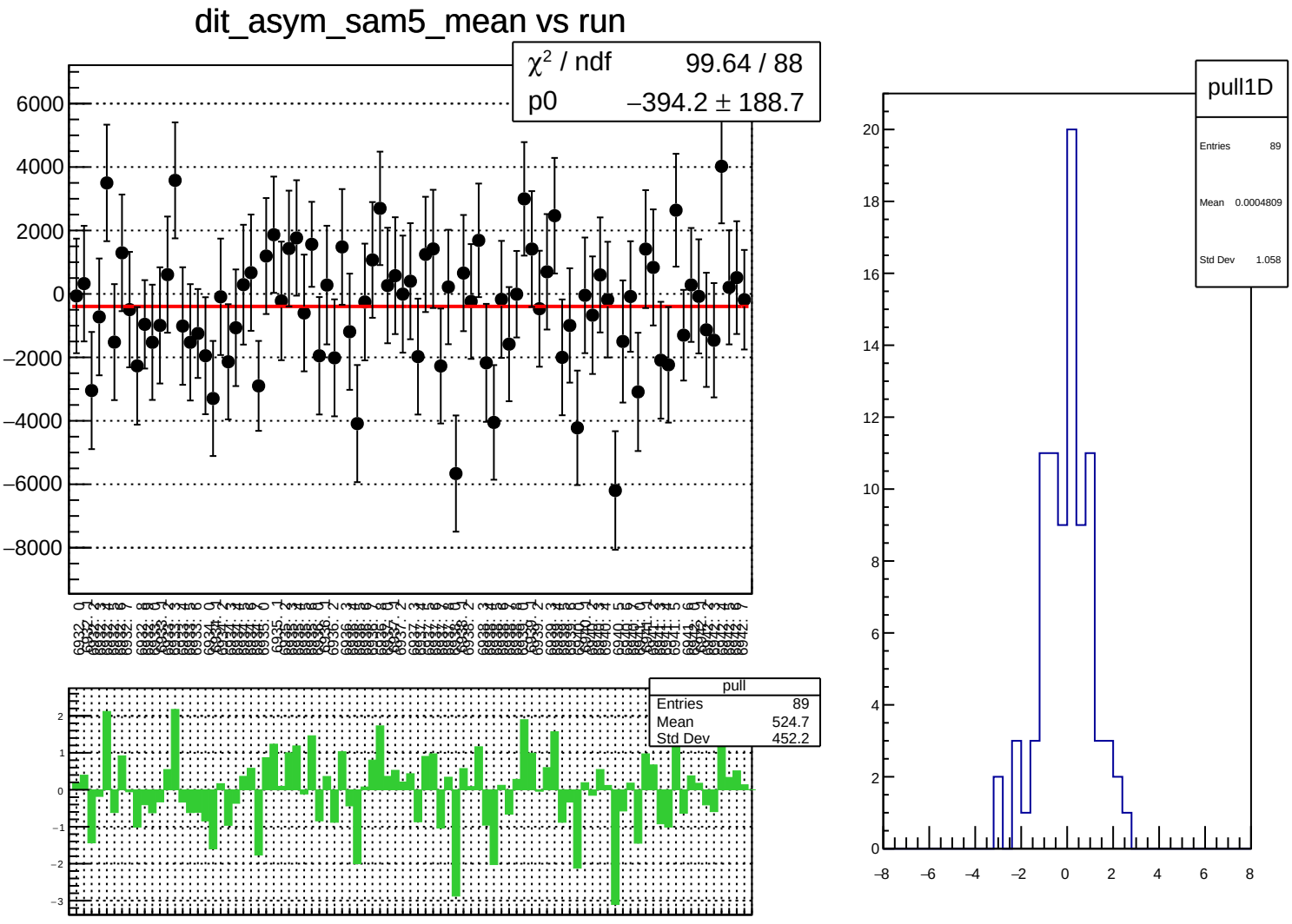

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 66.74 / 88
p0 1667 ± 2646
pull
Entries 89
Mean 2.142e+04
Std Dev 2.137e+04

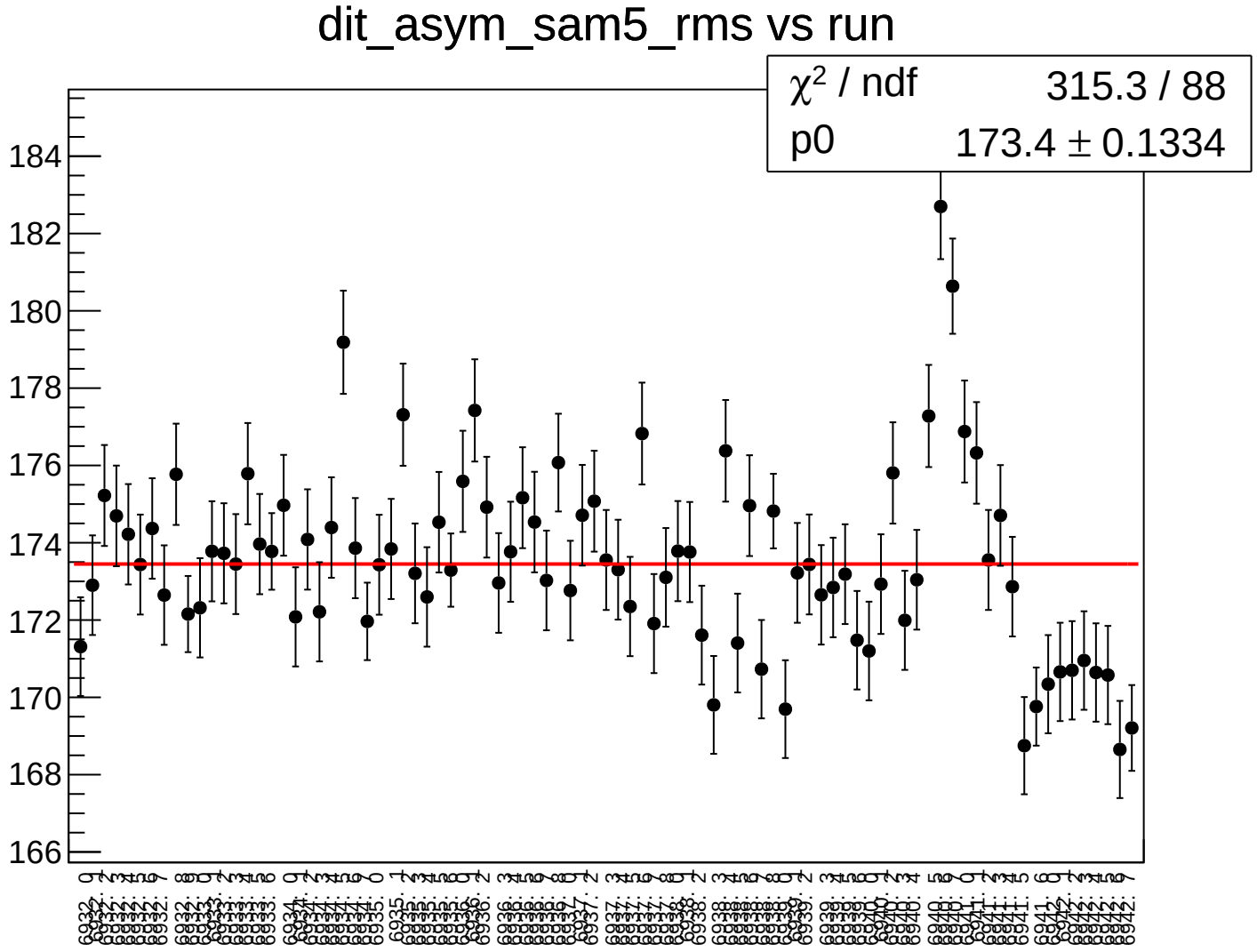

pull1D
Entries 89
Mean −0.0001493
Std Dev 0.866

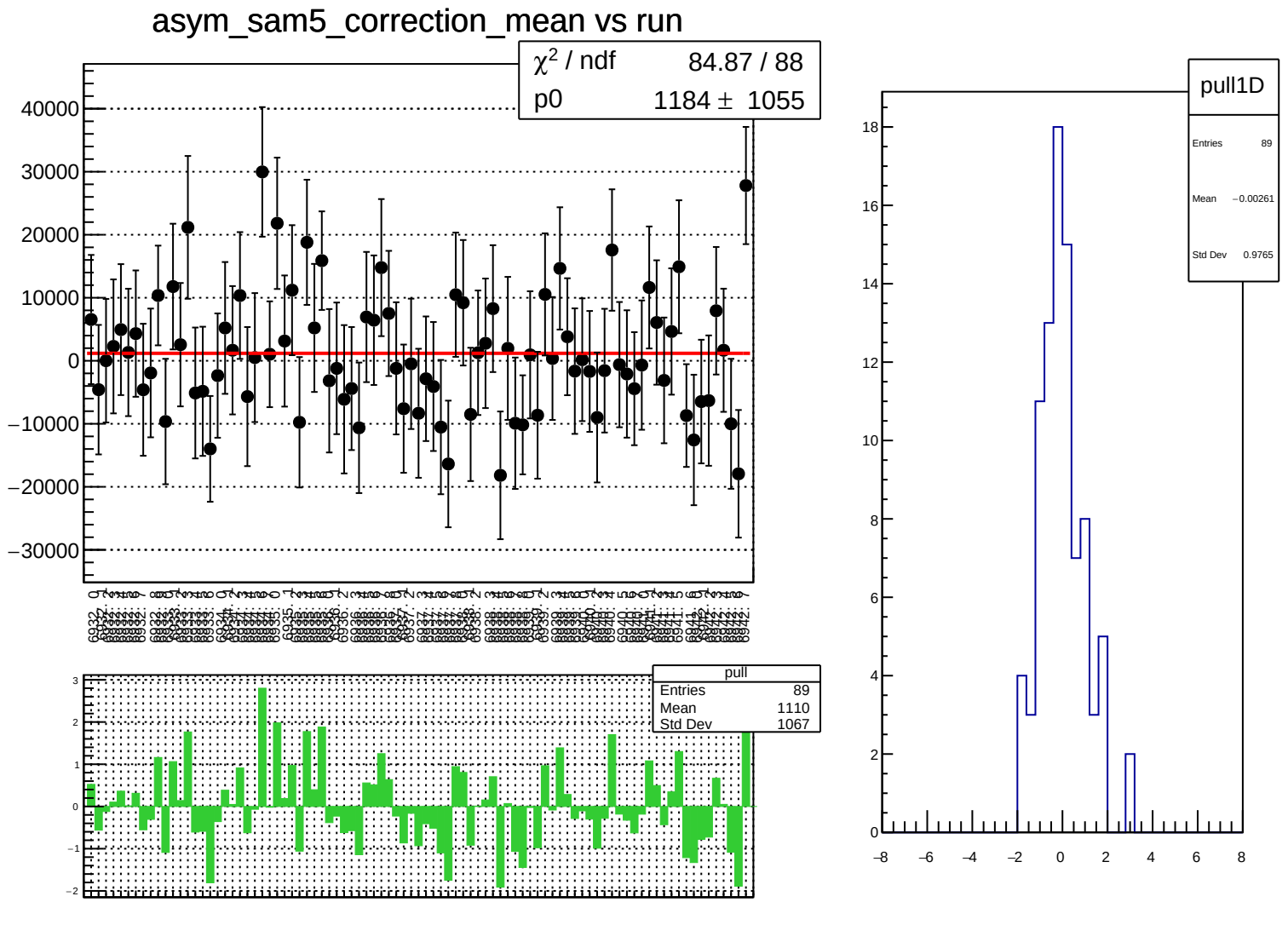

asym_sam4_correction_rms vs run
χ² / ndf 5821 / 88
p0 2428 ± 1.871
3000
2900
2800
2700
2600
2500
2400
2300
2200

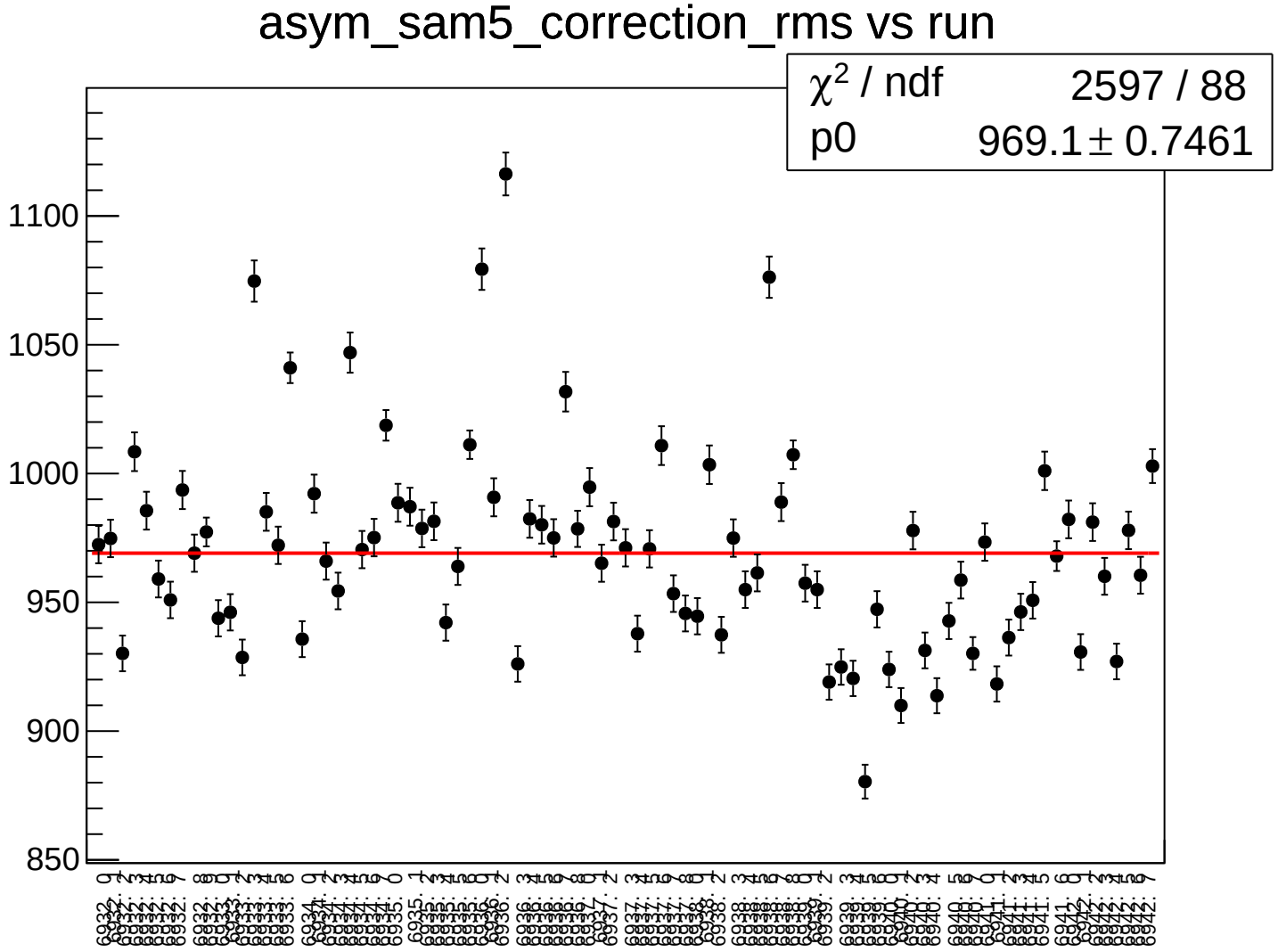

asym_sam4_mean vs run
×10^3
χ² / ndf 64.41 / 88
p0 −2317 ± 2658
pull
Entries 89
Mean −6346
Std Dev 6394
pull1D
Entries 89
Mean −0.0004758
Std Dev 0.8507

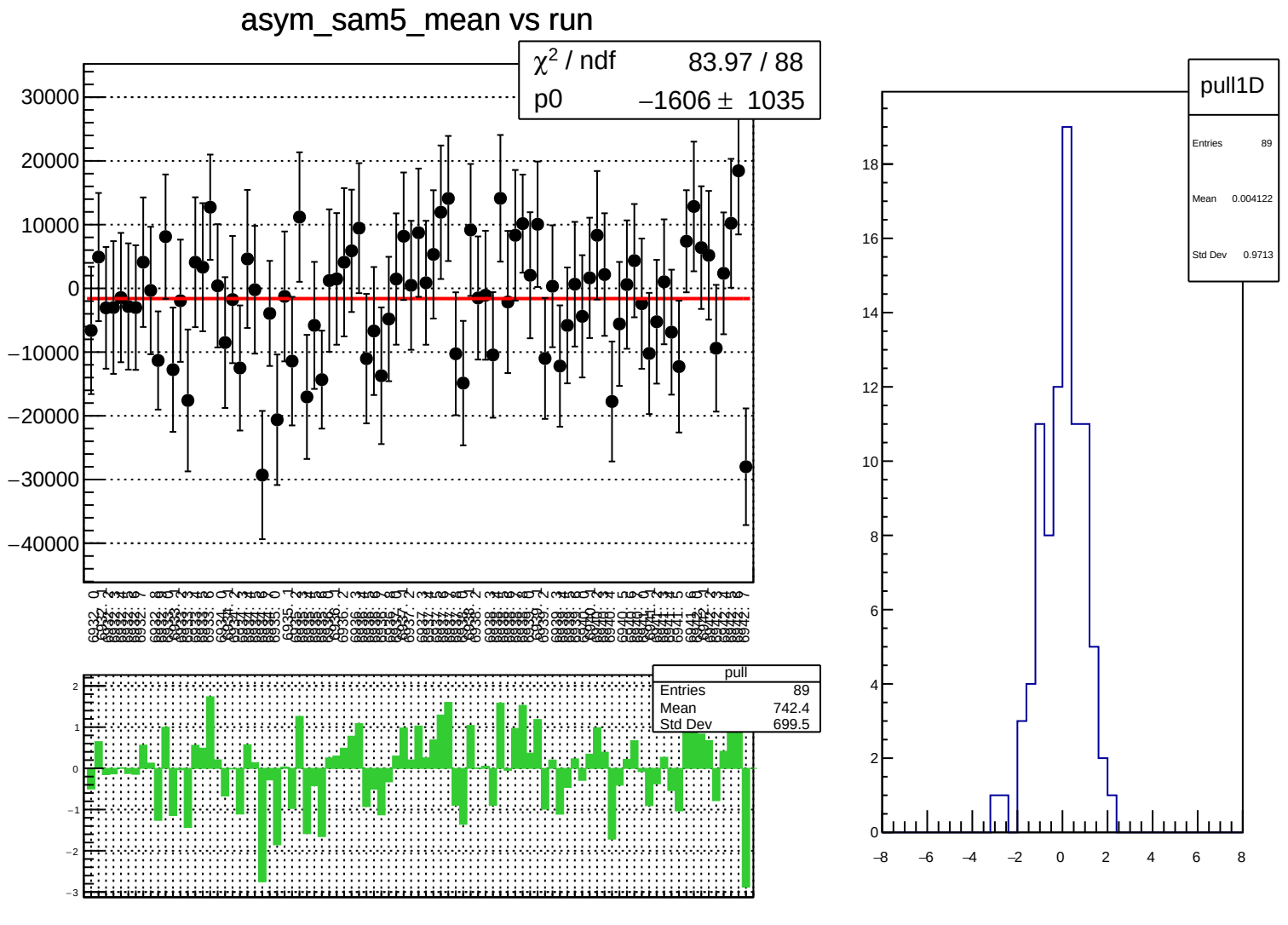

asym_sam4_rms vs run
χ² / ndf 6535 / 88
p0 2438 ± 1.879
3000
2900
2800
2700
2600
2500
2400
2300
2200

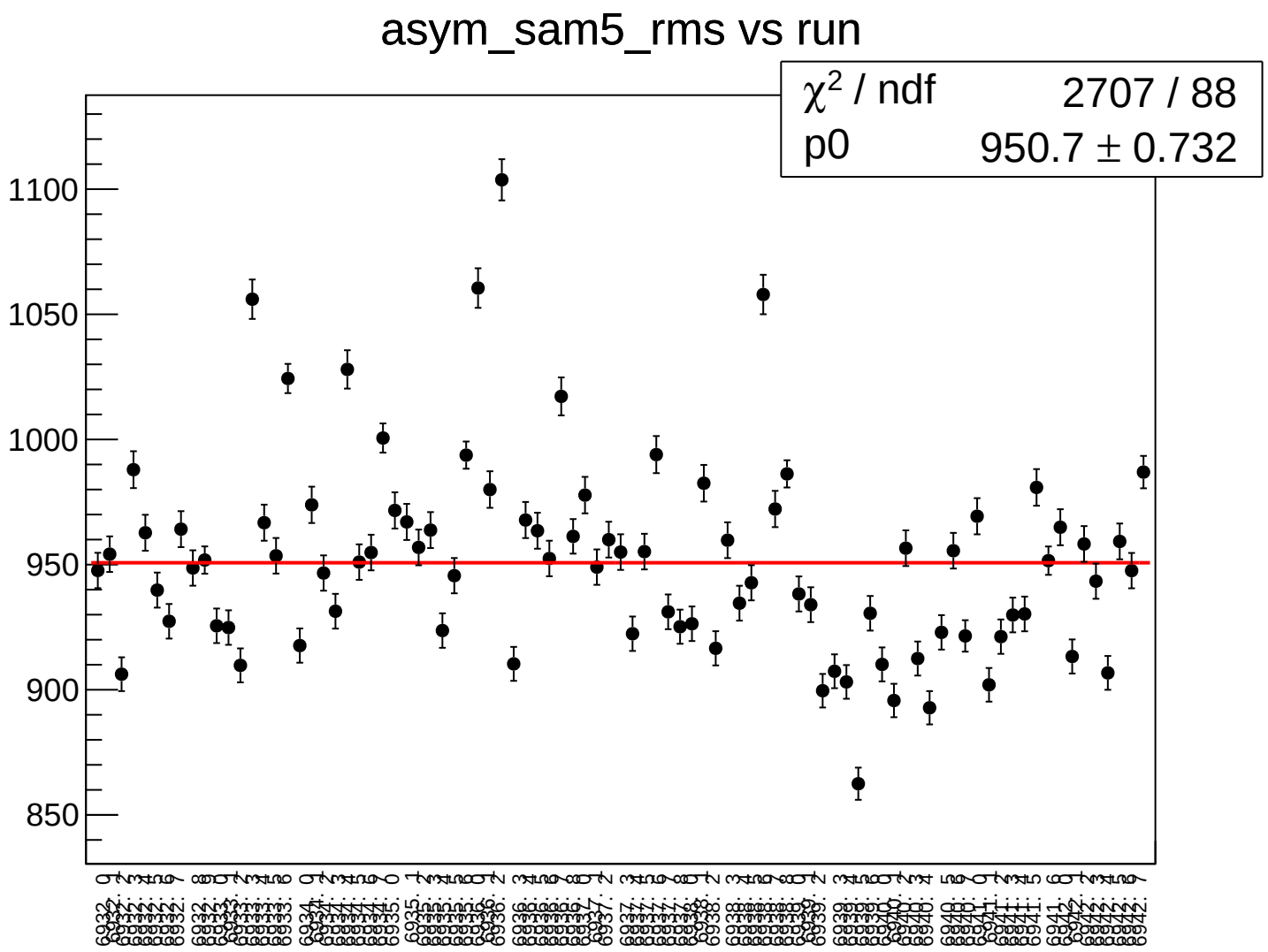

dit_asym_sam5_mean vs run
χ² / ndf 99.64 / 88
p0 −394.2 ± 188.7
pull
Entries 89
Mean 524.7
Std Dev 452.2
pull1D
Entries 89
Mean 0.0004809
Std Dev 1.058

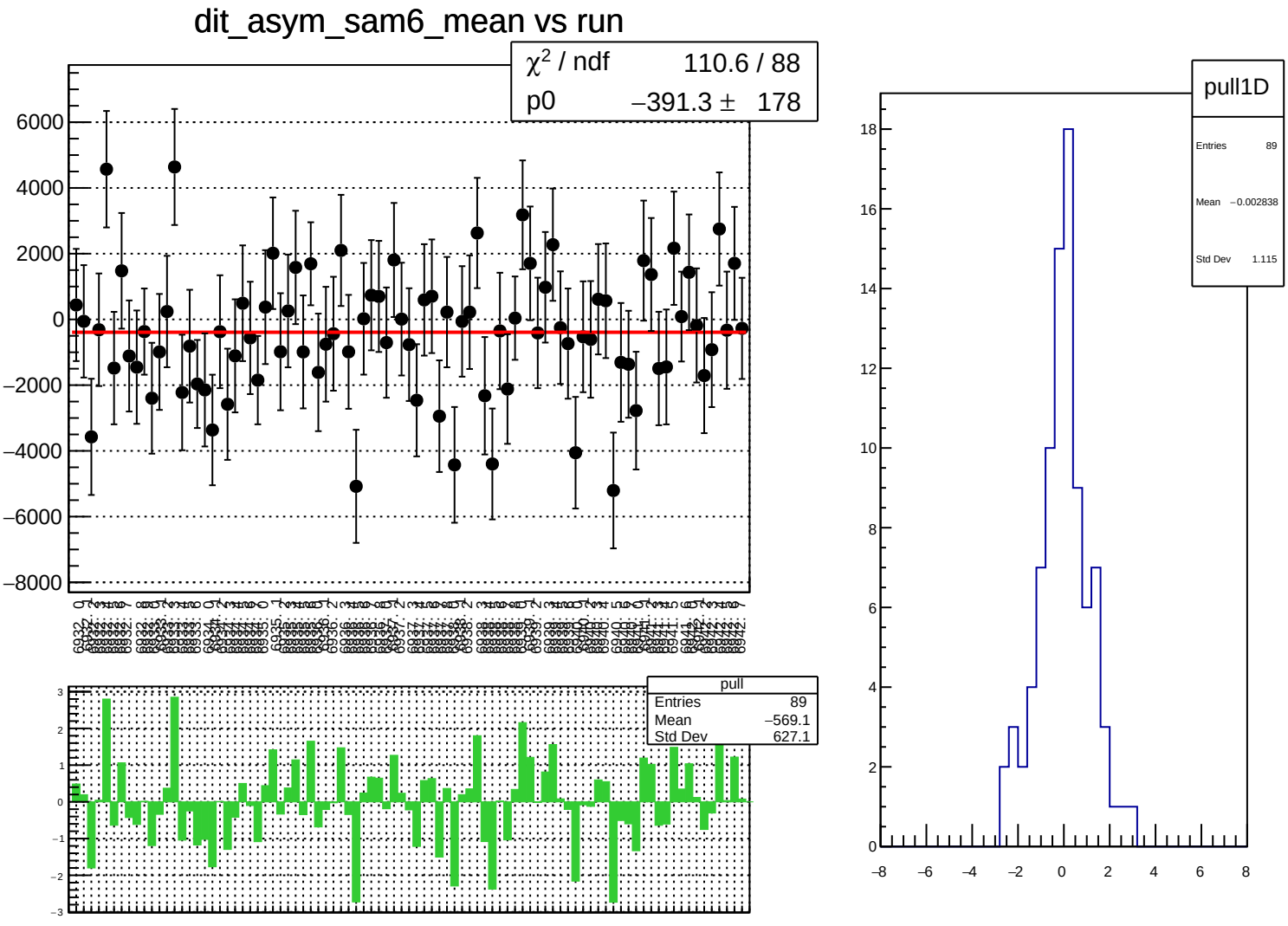

dit_asym_sam5_rms vs run
χ^2 / ndf 315.3 / 88
p0 173.4 ± 0.1334
184
182
180
178
176
174
172
170
168
166

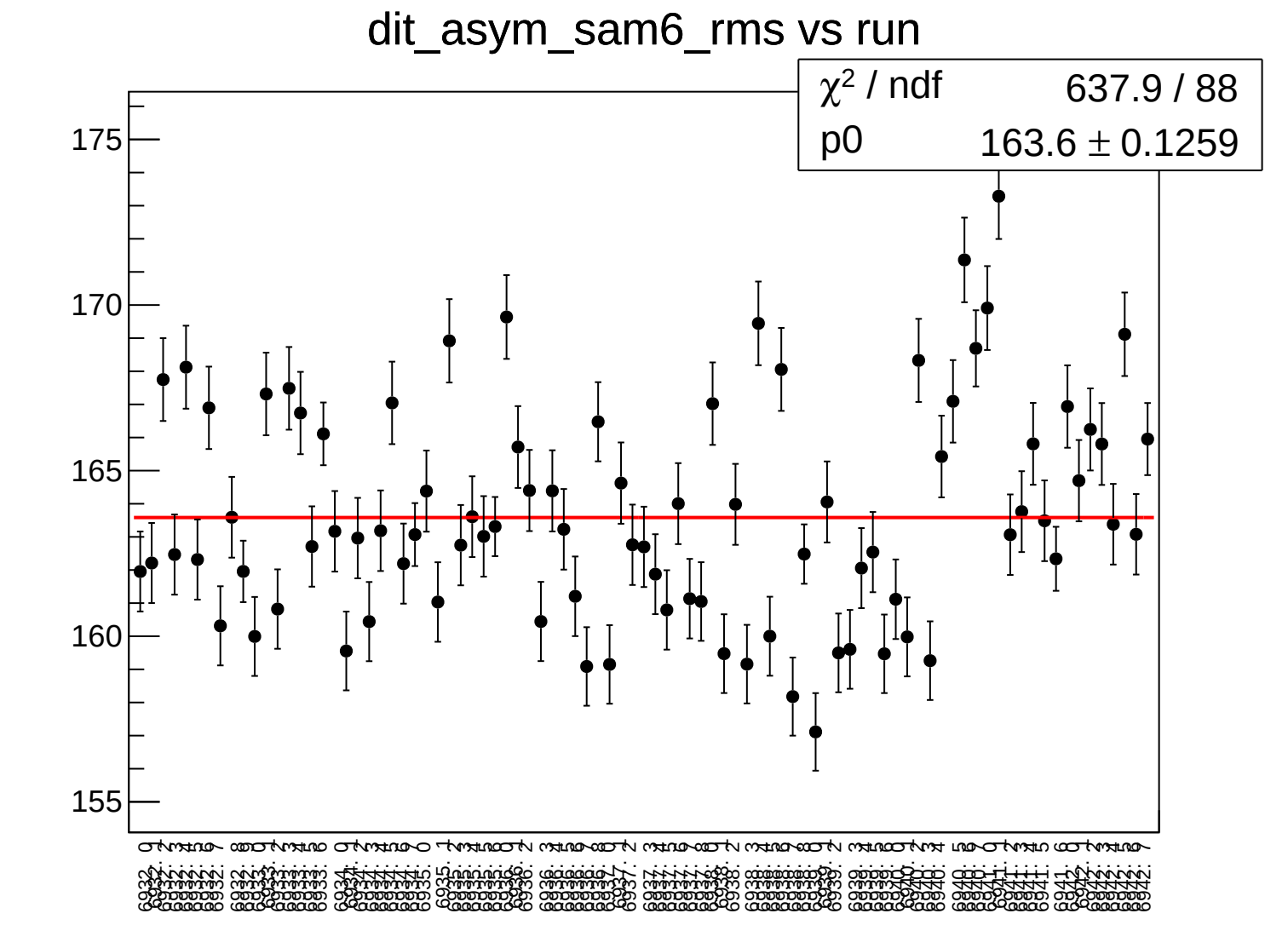

asym_sam5_correction_mean vs run
χ² / ndf 84.87 / 88
p0 1184 ± 1055
pull
Entries 89
Mean 1110
Std Dev 1067
pull1D
Entries 89
Mean −0.00261
Std Dev 0.9765

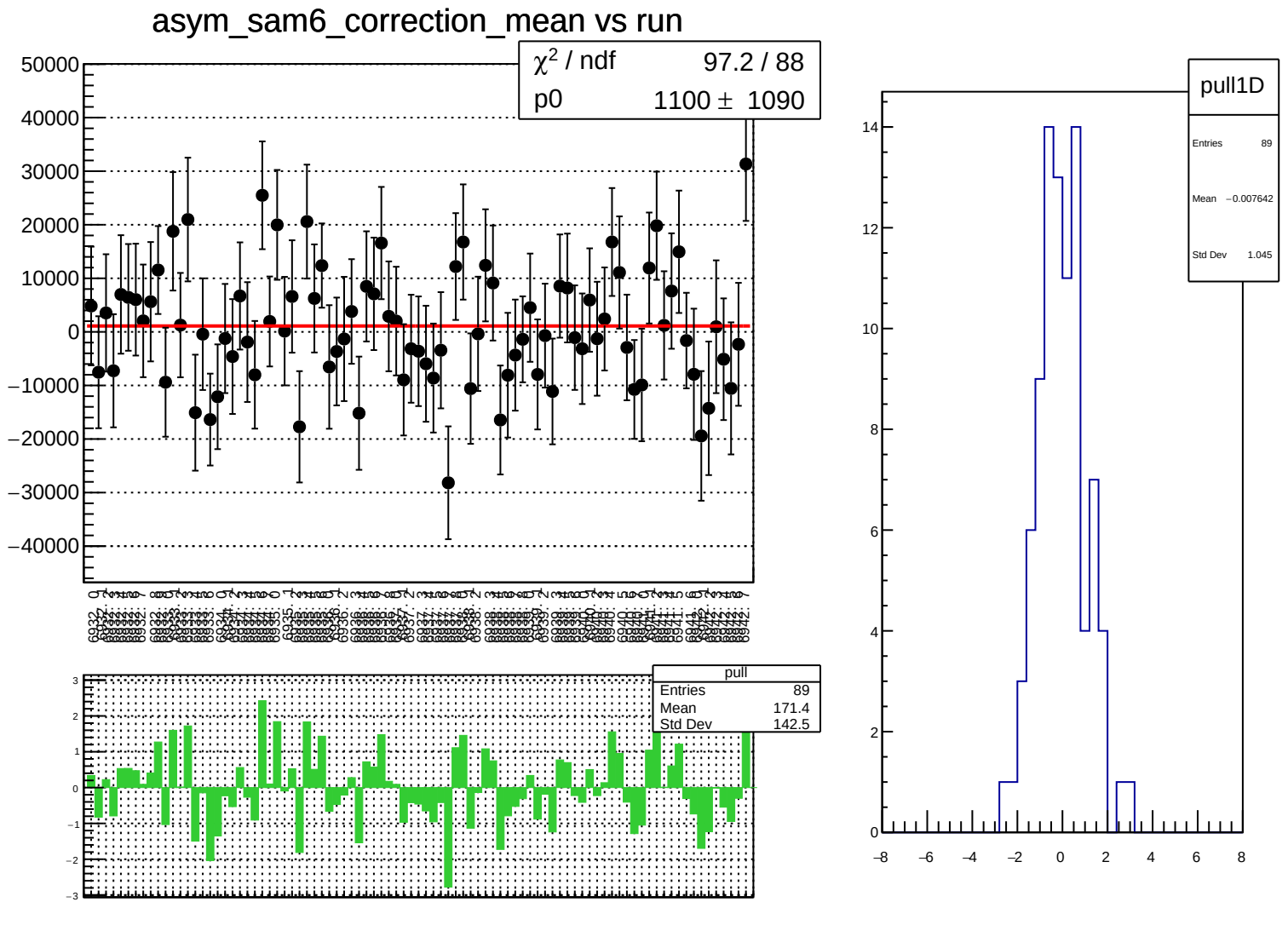

asym_sam5_correction_rms vs run
χ^2 / ndf 2597 / 88
p0 969.1 ± 0.7461
1100
1050
1000
950
900
850


asym_sam5_mean vs run
χ^2 / ndf 83.97 / 88
p0 −1606 ± 1035
pull
Entries 89
Mean 742.4
Std Dev 699.5
pull1D
Entries 89
Mean 0.004122
Std Dev 0.9713

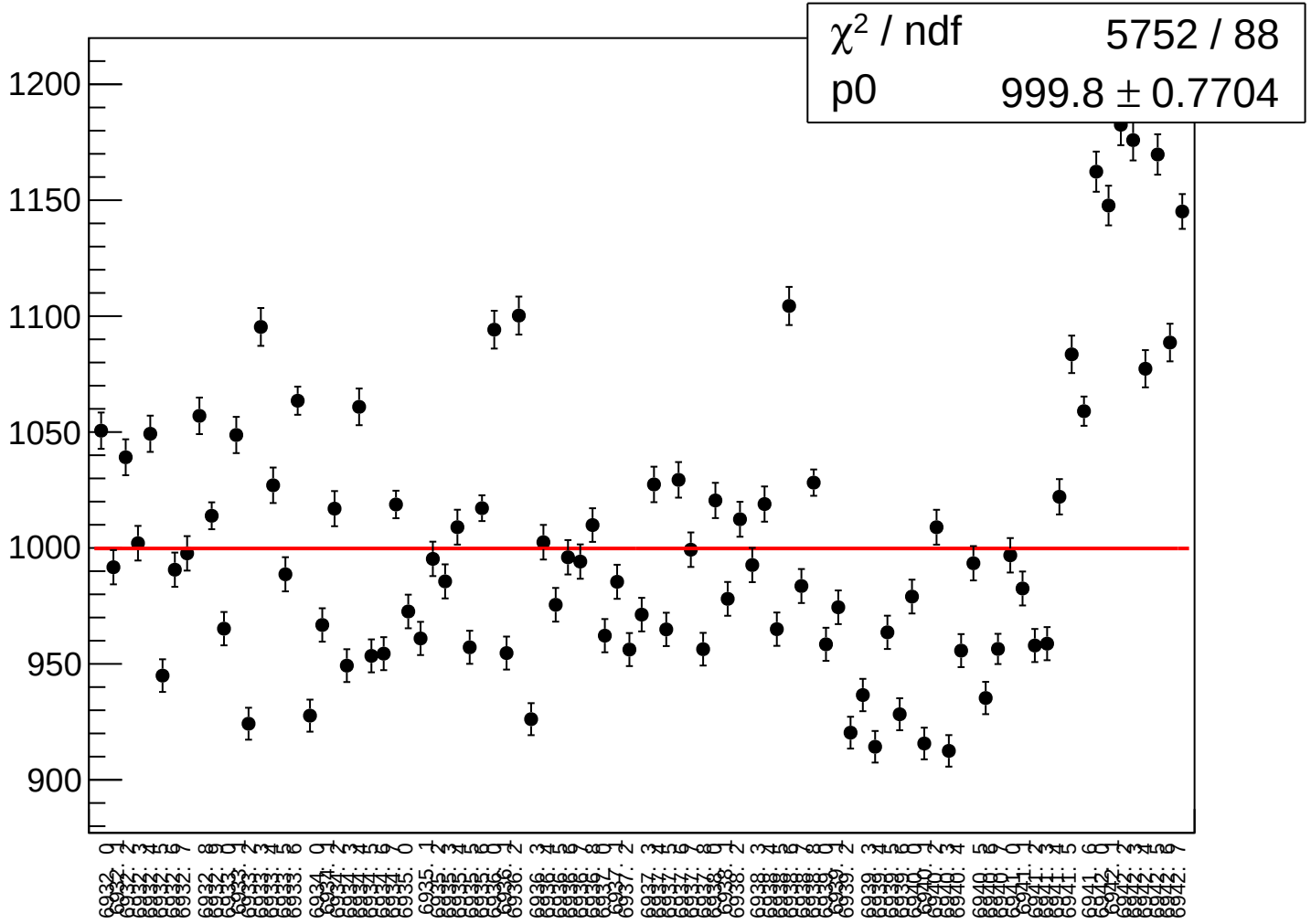

asym_sam5_rms vs run
χ² / ndf 2707 / 88
p0 950.7 ± 0.732
1100
1050
1000
950
900
850

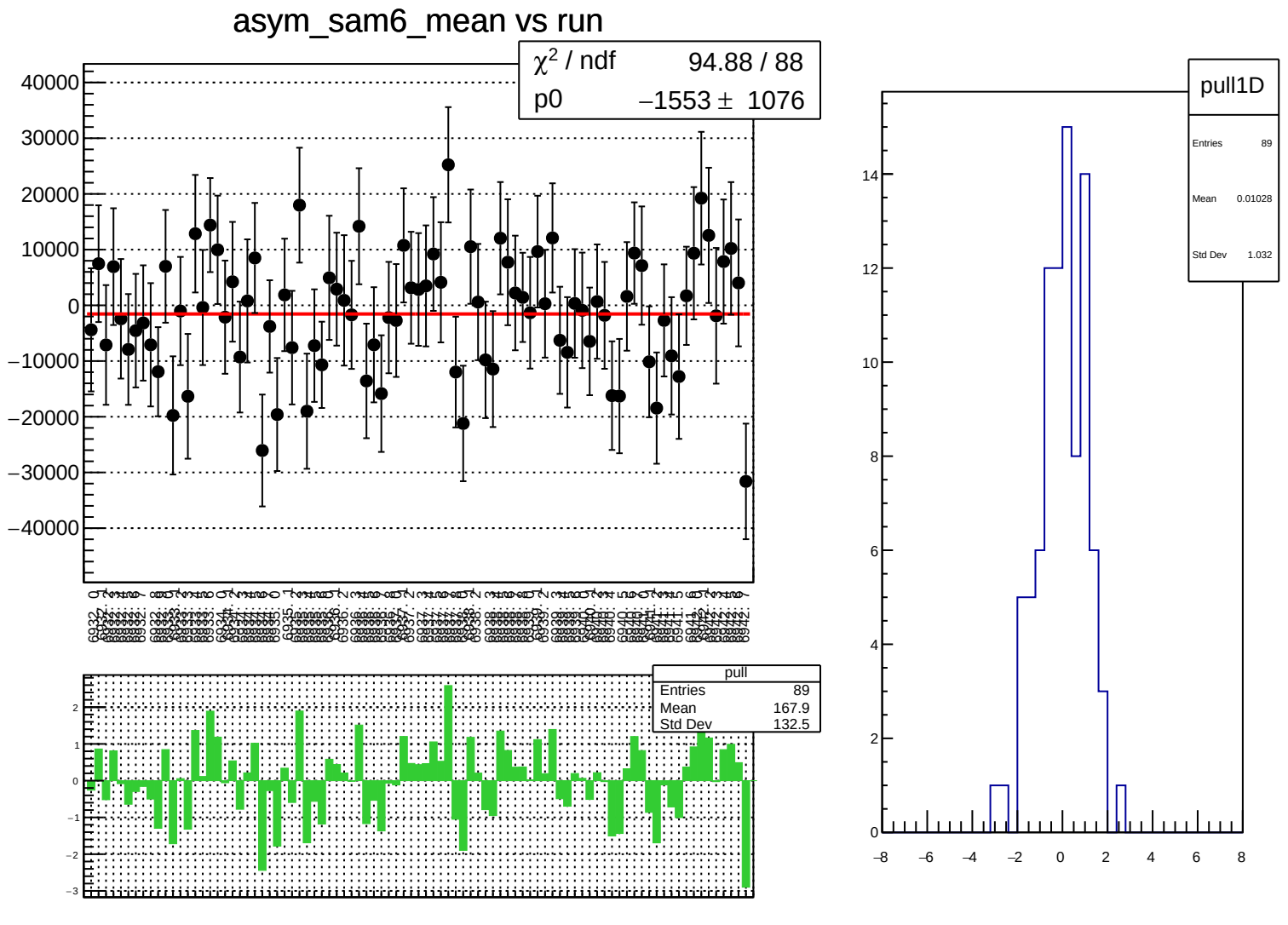

dit_asym_sam6_mean vs run
χ^2 / ndf 110.6 / 88
p0 −391.3 ± 178
pull
Entries 89
Mean −569.1
Std Dev 627.1
pull1D
Entries 89
Mean −0.002838
Std Dev 1.115

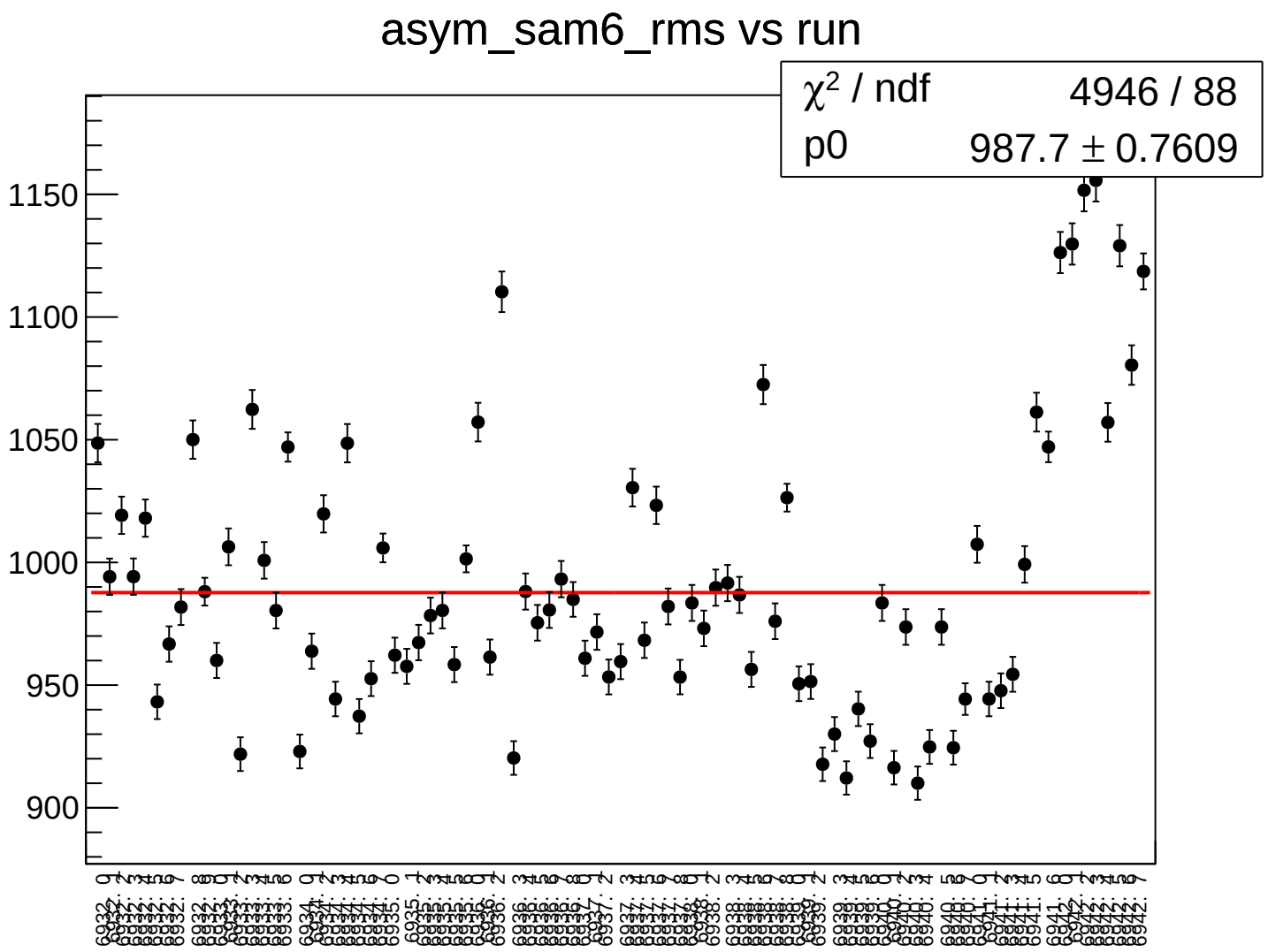

dit_asym_sam6_rms vs run
χ² / ndf 637.9 / 88
p0 163.6 ± 0.1259
175
170
165
160
155

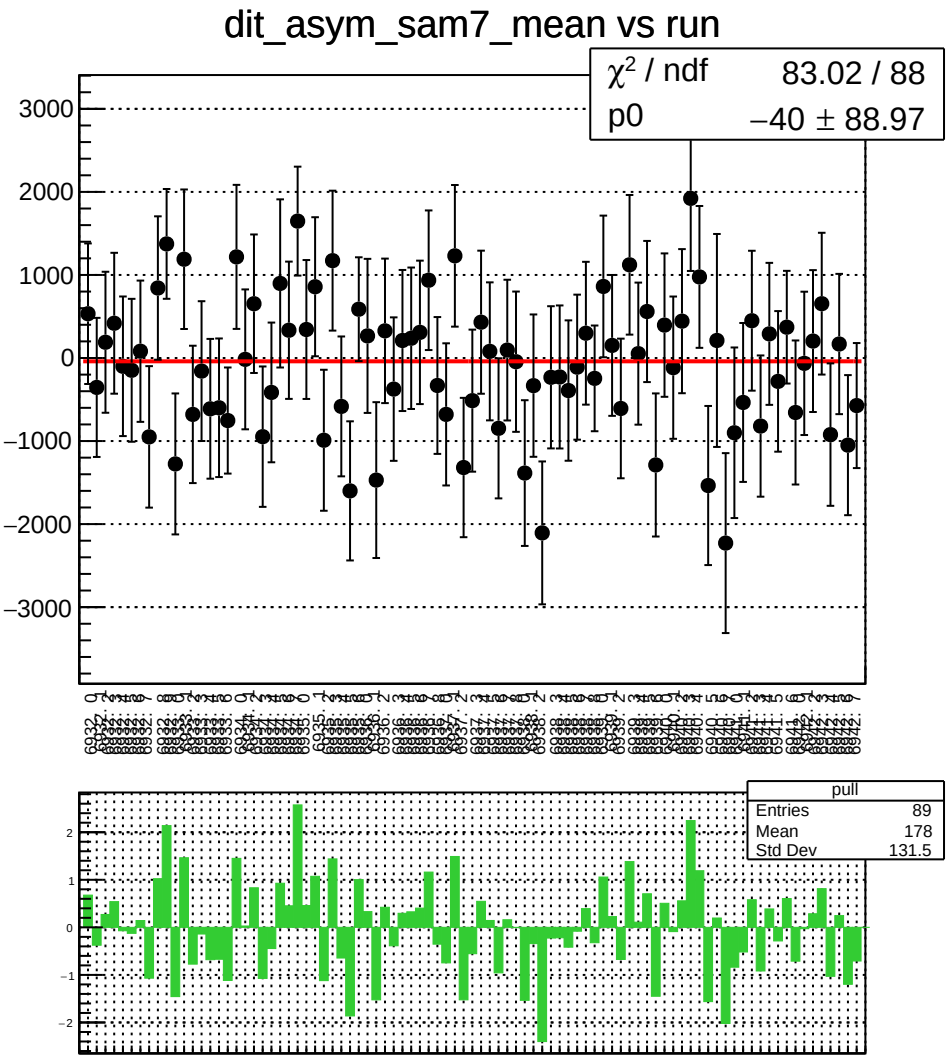

asym_sam6_correction_mean vs run
χ² / ndf 97.2 / 88
p0 1100 ± 1090
pull
Entries 89
Mean 171.4
Std Dev 142.5
pull1D
Entries 89
Mean −0.007642
Std Dev 1.045

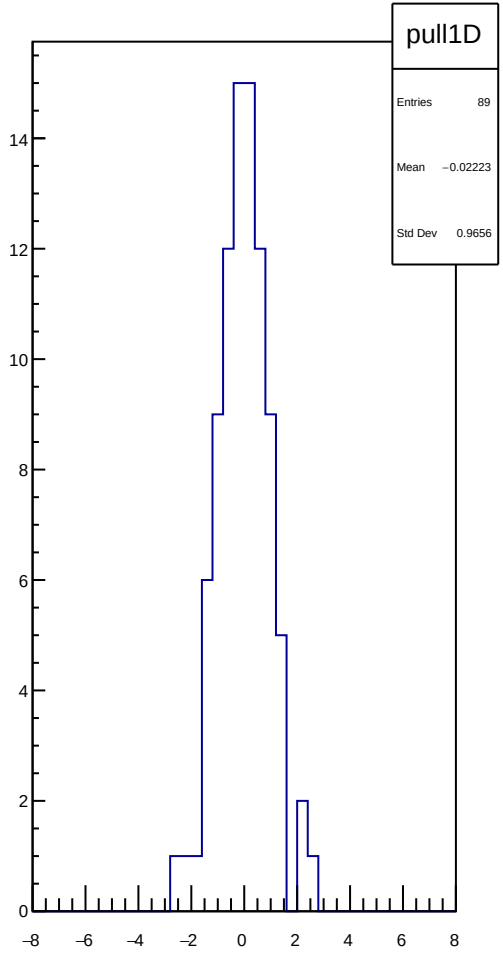
asym_sam6_correction_rms vs run



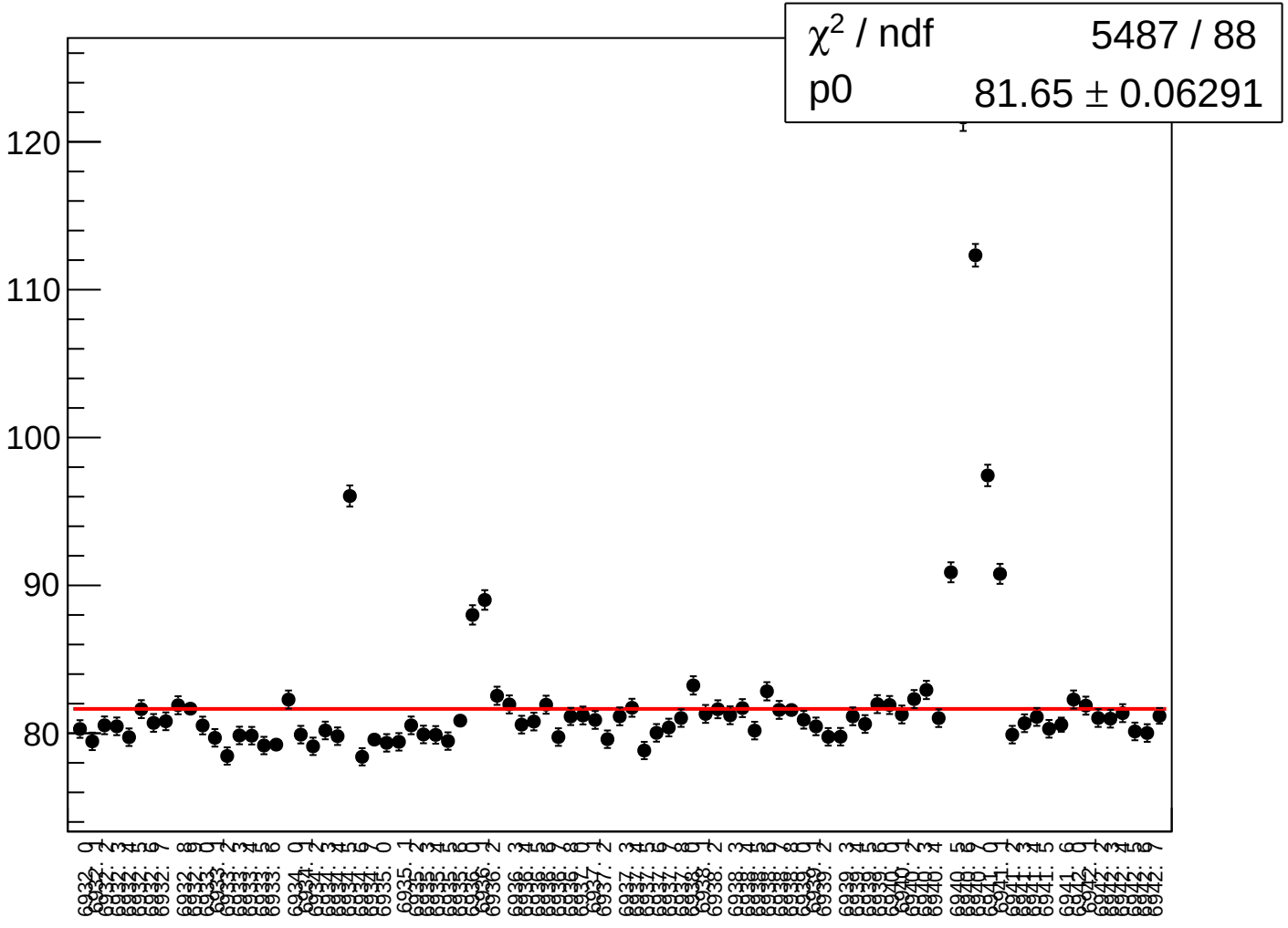

asym_sam6_mean vs run
χ² / ndf 94.88 / 88
p0 −1553 ± 1076
pull
Entries 89
Mean 167.9
Std Dev 132.5
pull1D
Entries 89
Mean 0.01028
Std Dev 1.032

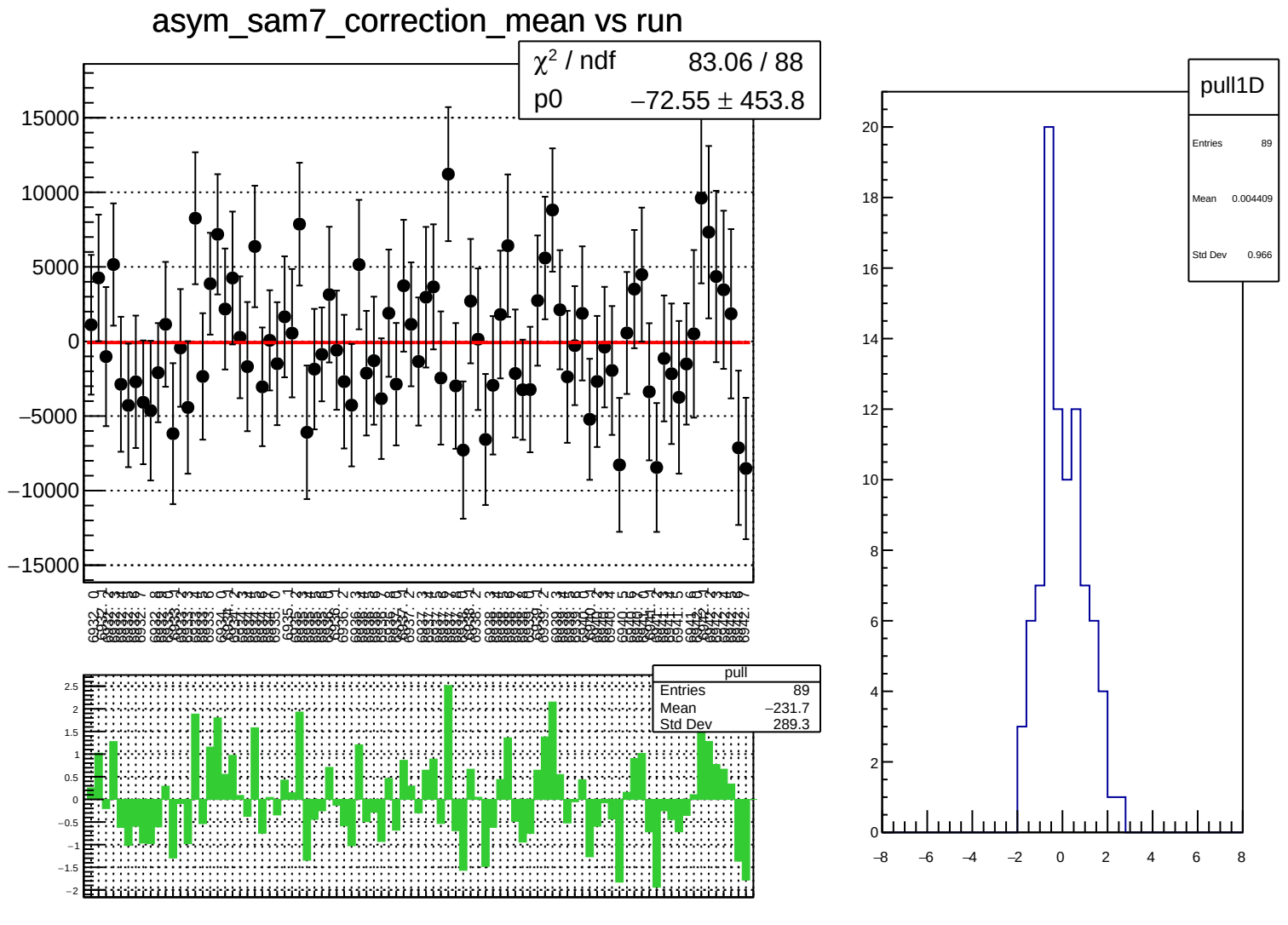

asym_sam6_rms vs run
χ² / ndf 4946 / 88
p0 987.7 ± 0.7609
1150
1100
1050
1000
950
900


dit_asym_sam7_mean vs run
χ^2 / ndf 83.02 / 88
p0 −40 ± 88.97
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 89
Mean 178
Std Dev 131.5
2
1
0
−1
−2

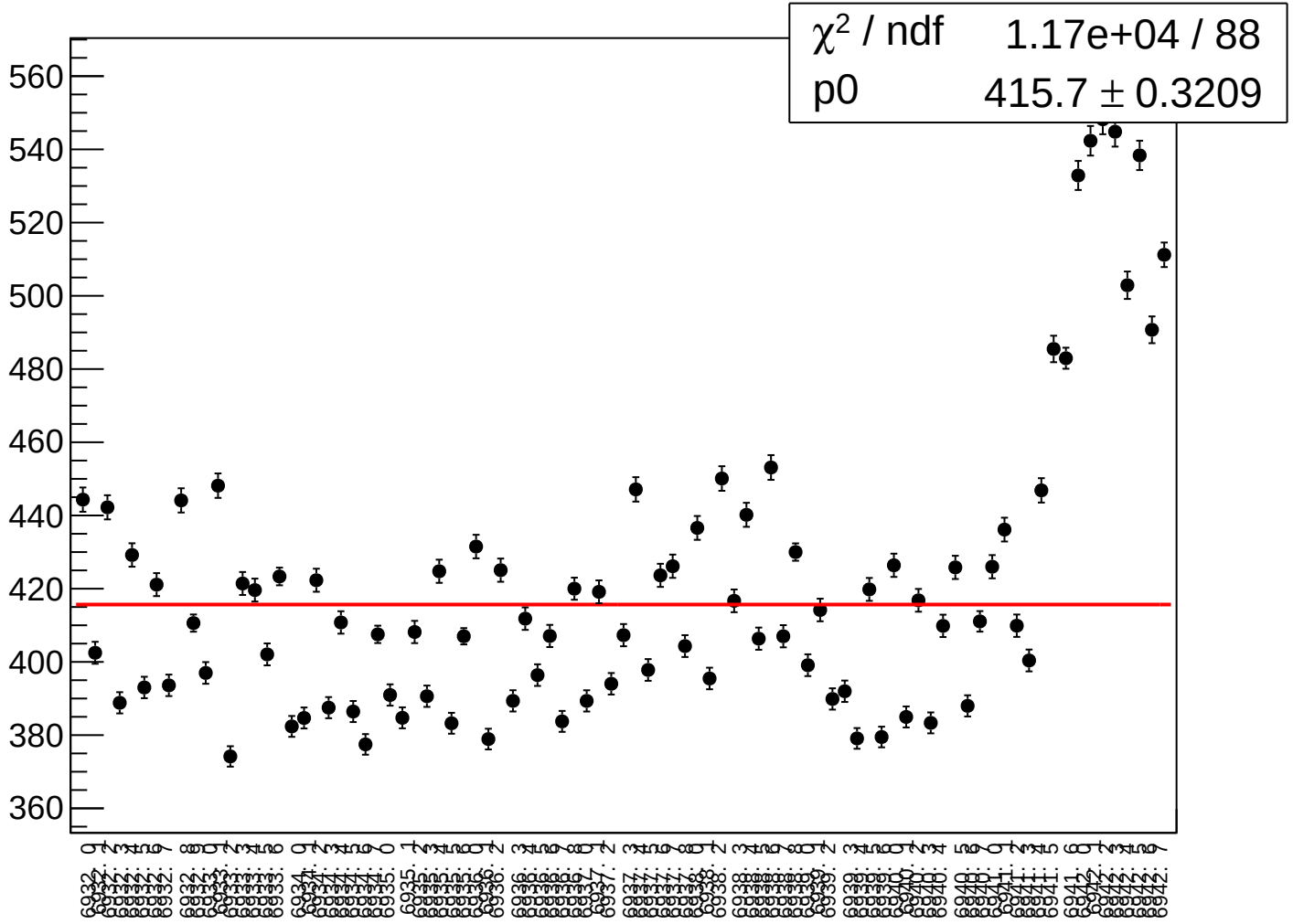

pull1D
Entries 89
Mean −0.02223
Std Dev 0.9656
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

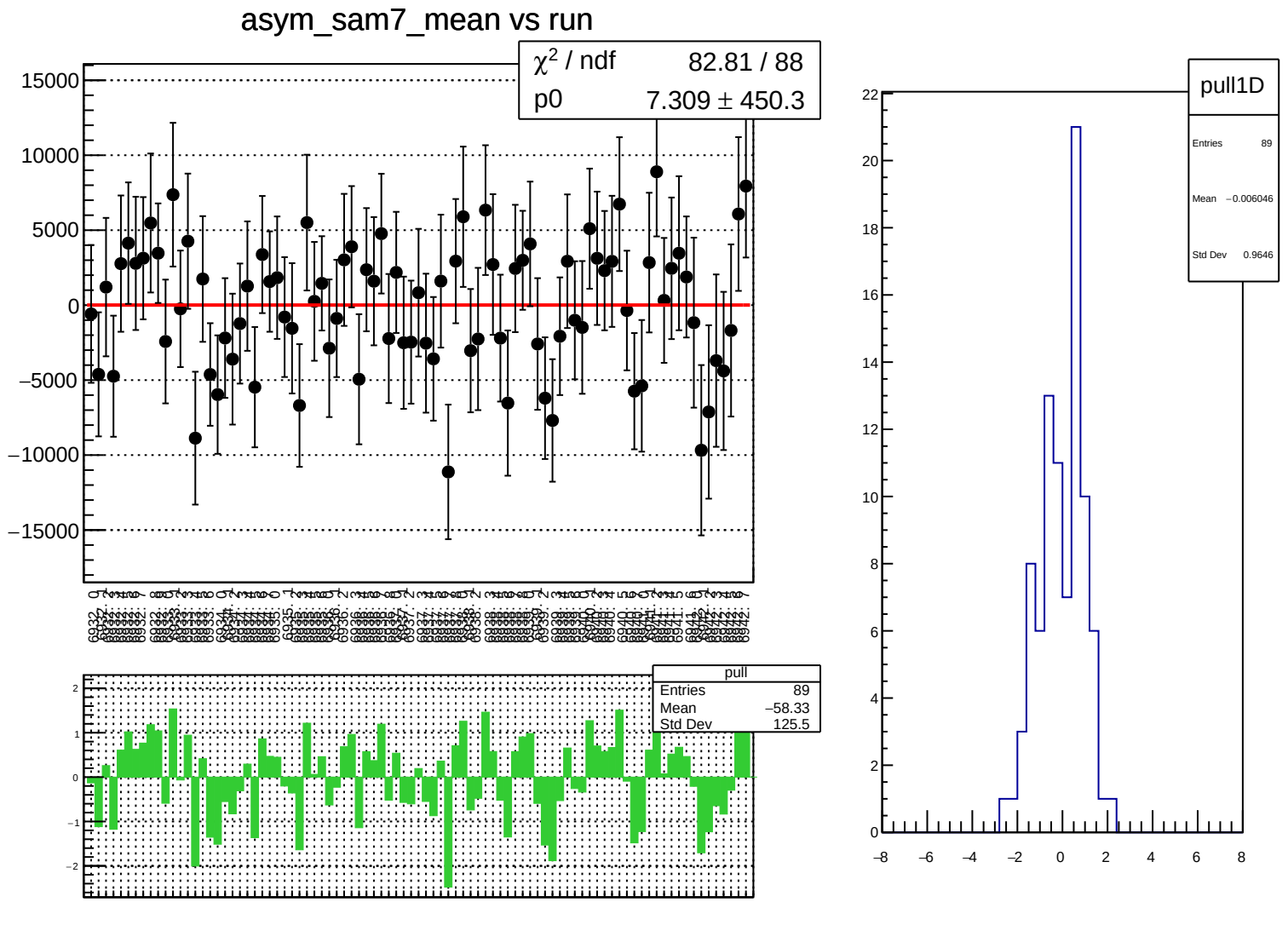
dit_asym_sam7_rms vs run



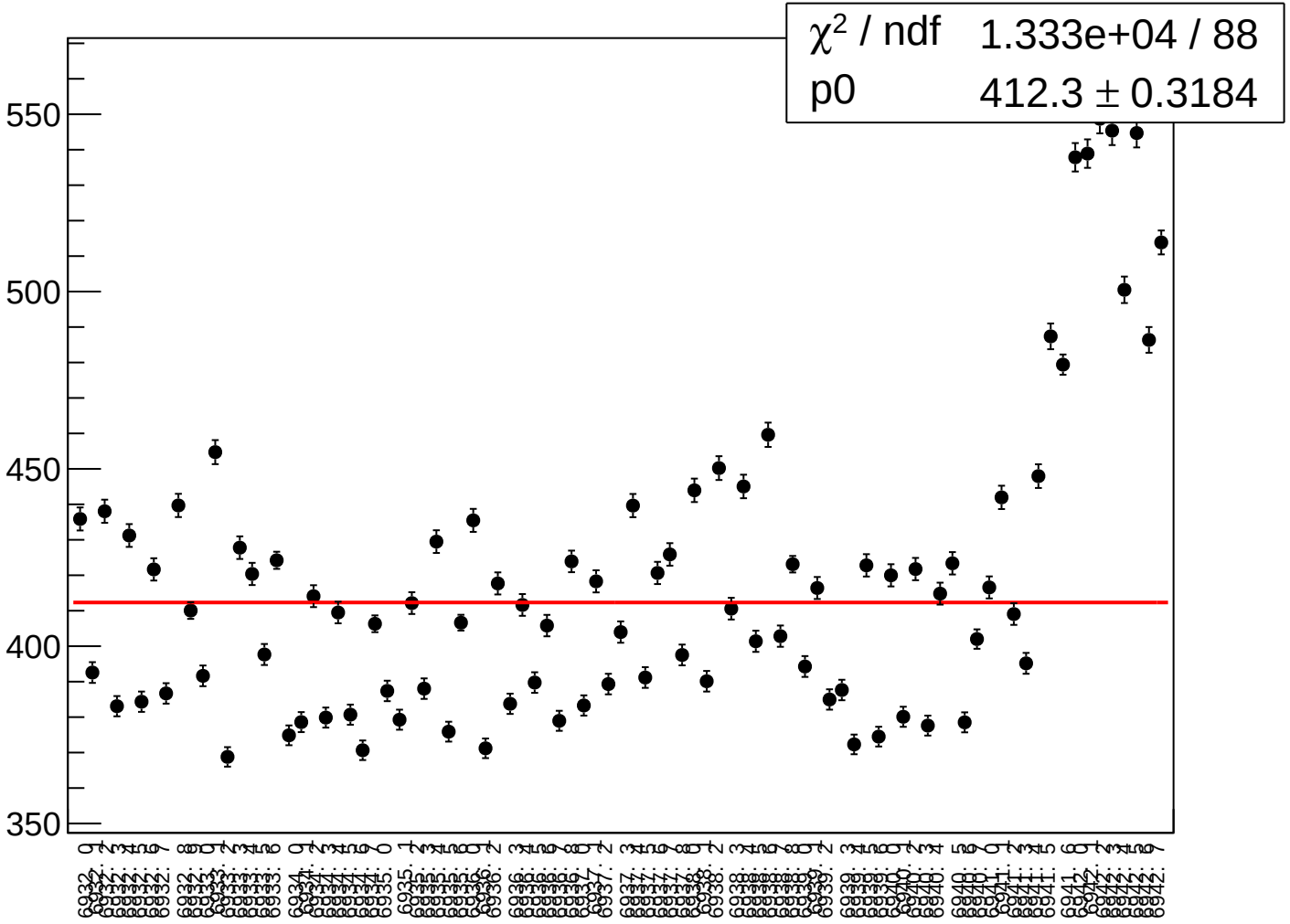

asym_sam7_correction_mean vs run
χ² / ndf 83.06 / 88
p0 −72.55 ± 453.8
pull
Entries 89
Mean −231.7
Std Dev 289.3
pull1D
Entries 89
Mean 0.004409
Std Dev 0.966

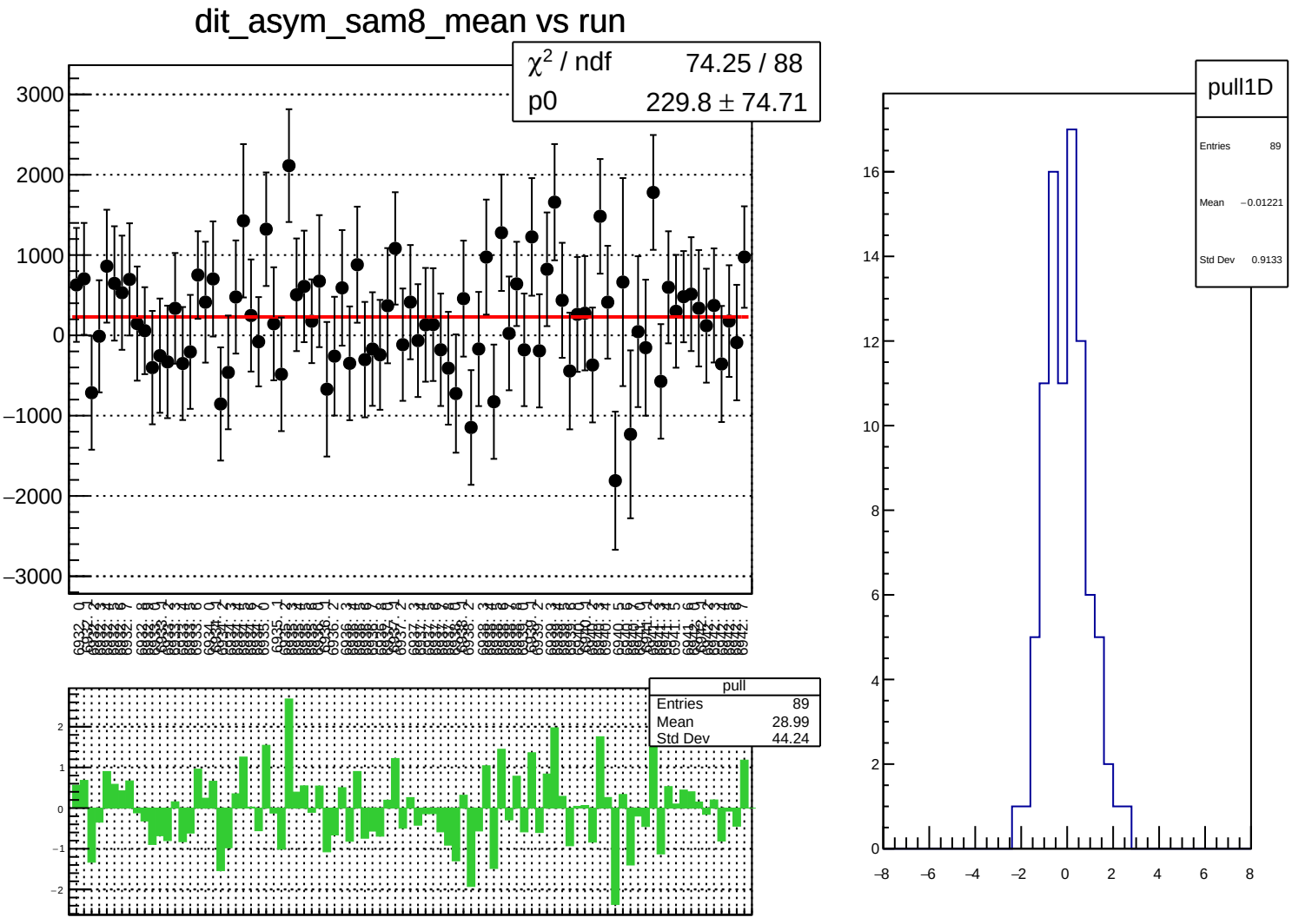
asym_sam7_correction_rms vs run



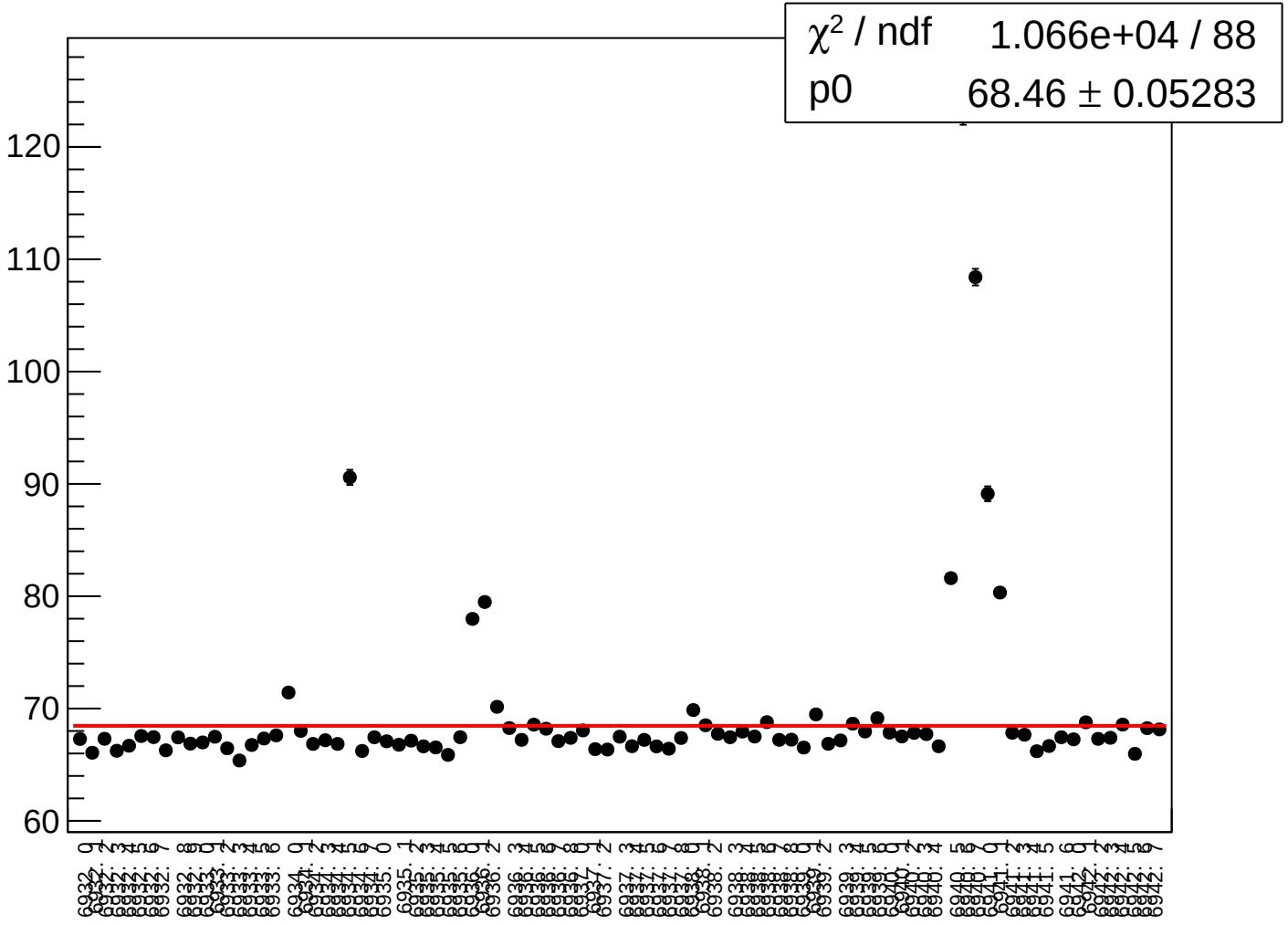

asym_sam7_mean vs run
χ² / ndf 82.81 / 88
p0 7.309 ± 450.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −58.33
Std Dev 125.5
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.006046
Std Dev 0.9646
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

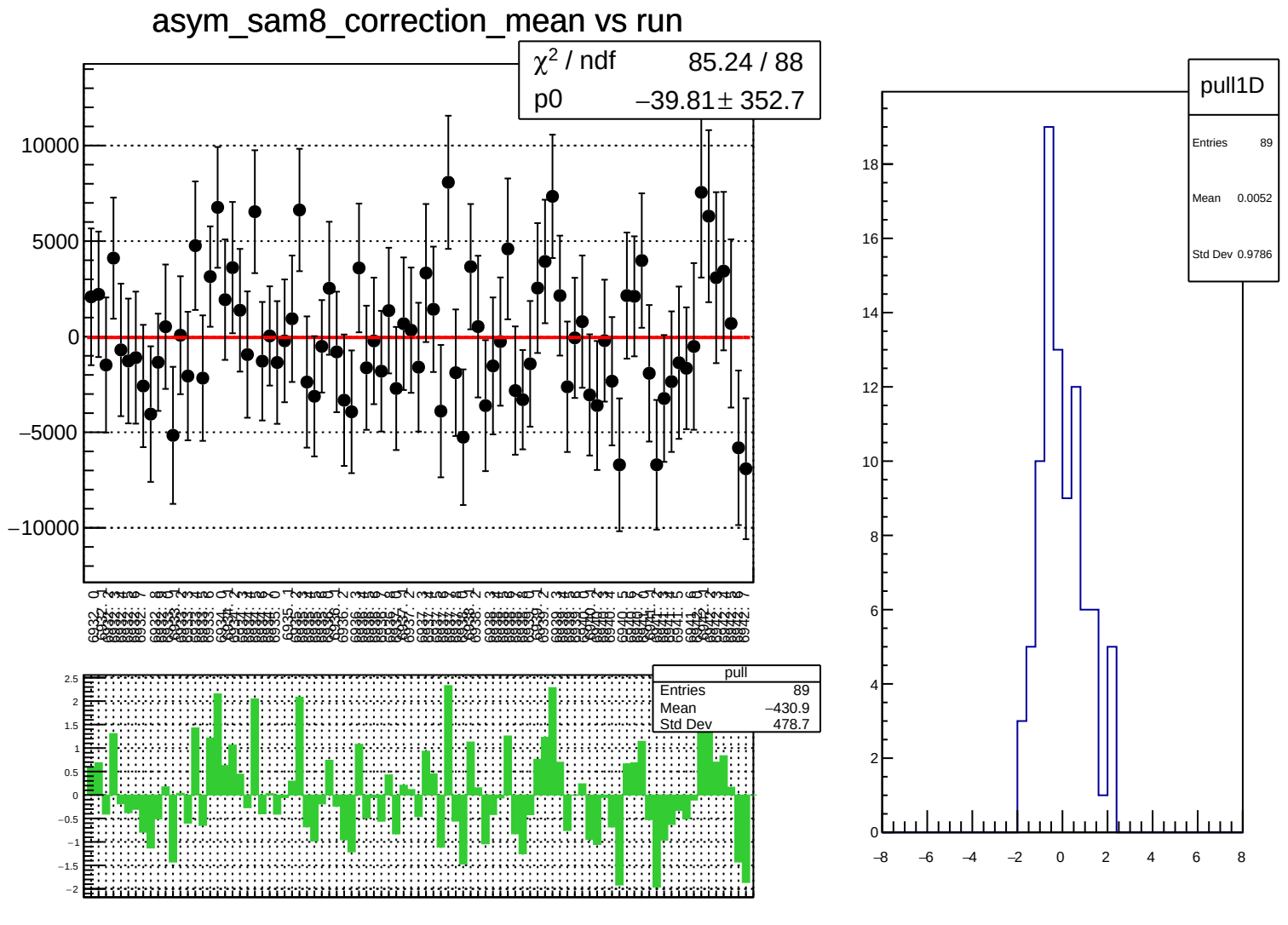
asym_sam7_rms vs run

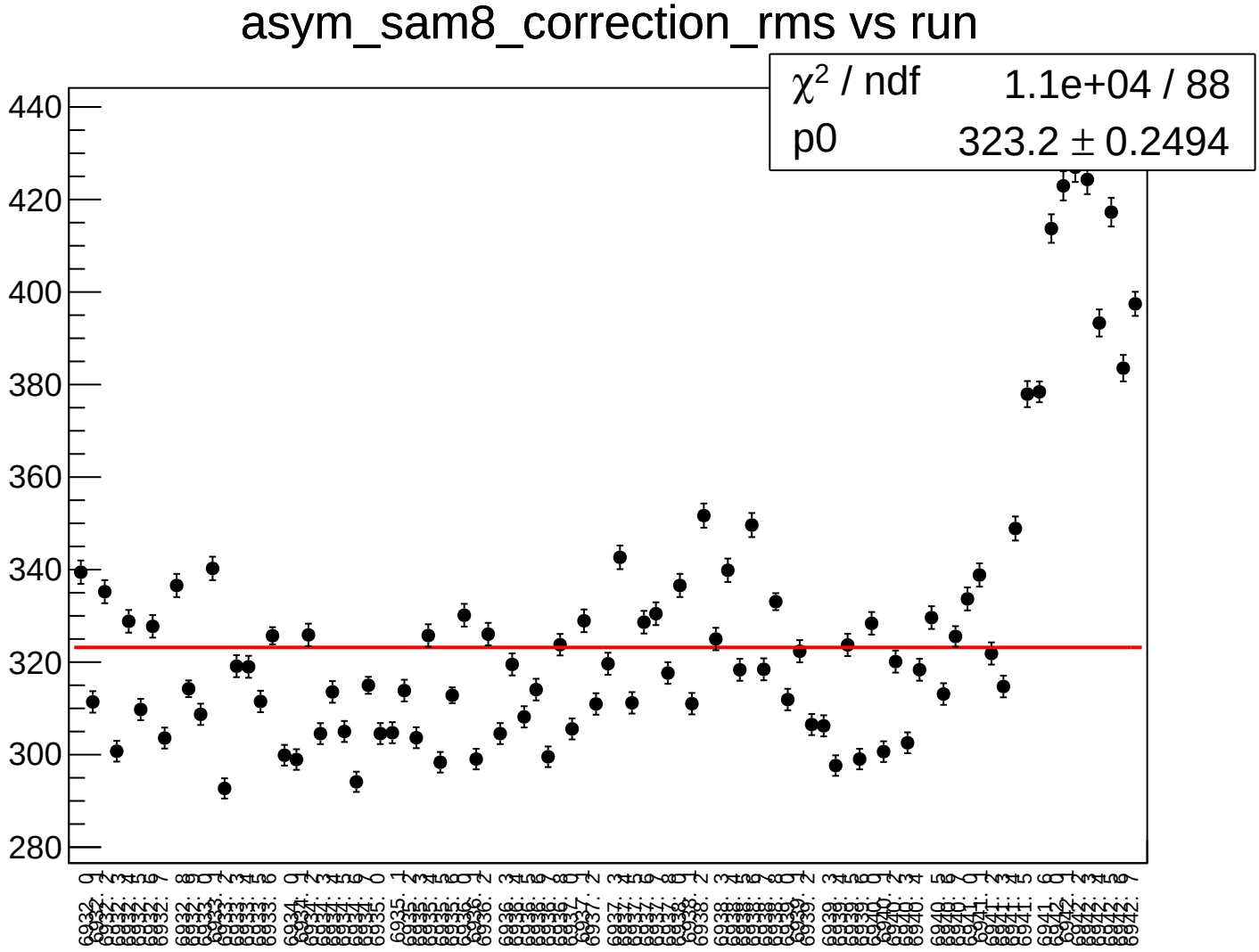


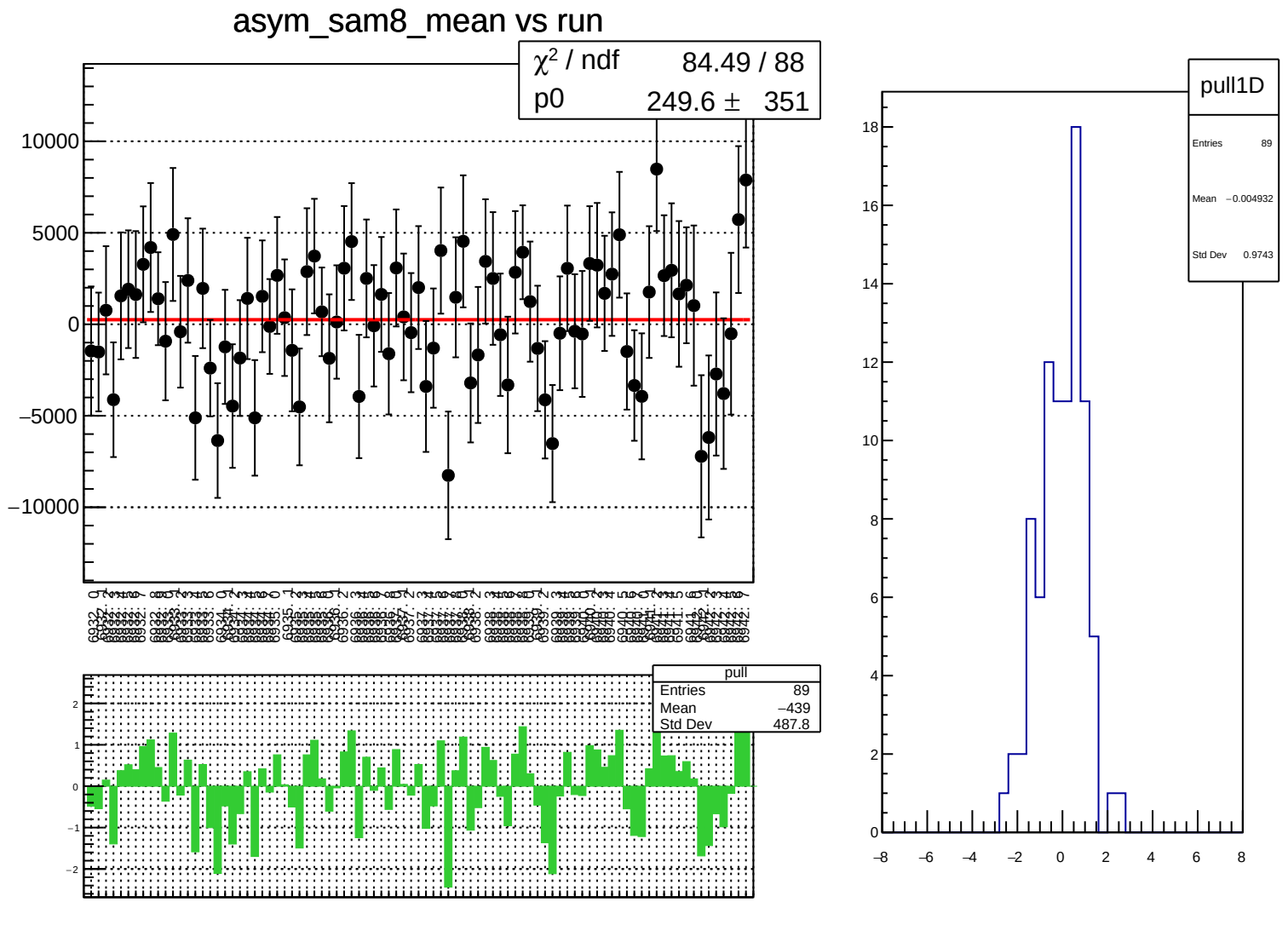

dit_asym_sam8_mean vs run
χ² / ndf 74.25 / 88
p0 229.8 ± 74.71
pull
Entries 89
Mean 28.99
Std Dev 44.24
pull1D
Entries 89
Mean −0.01221
Std Dev 0.9133

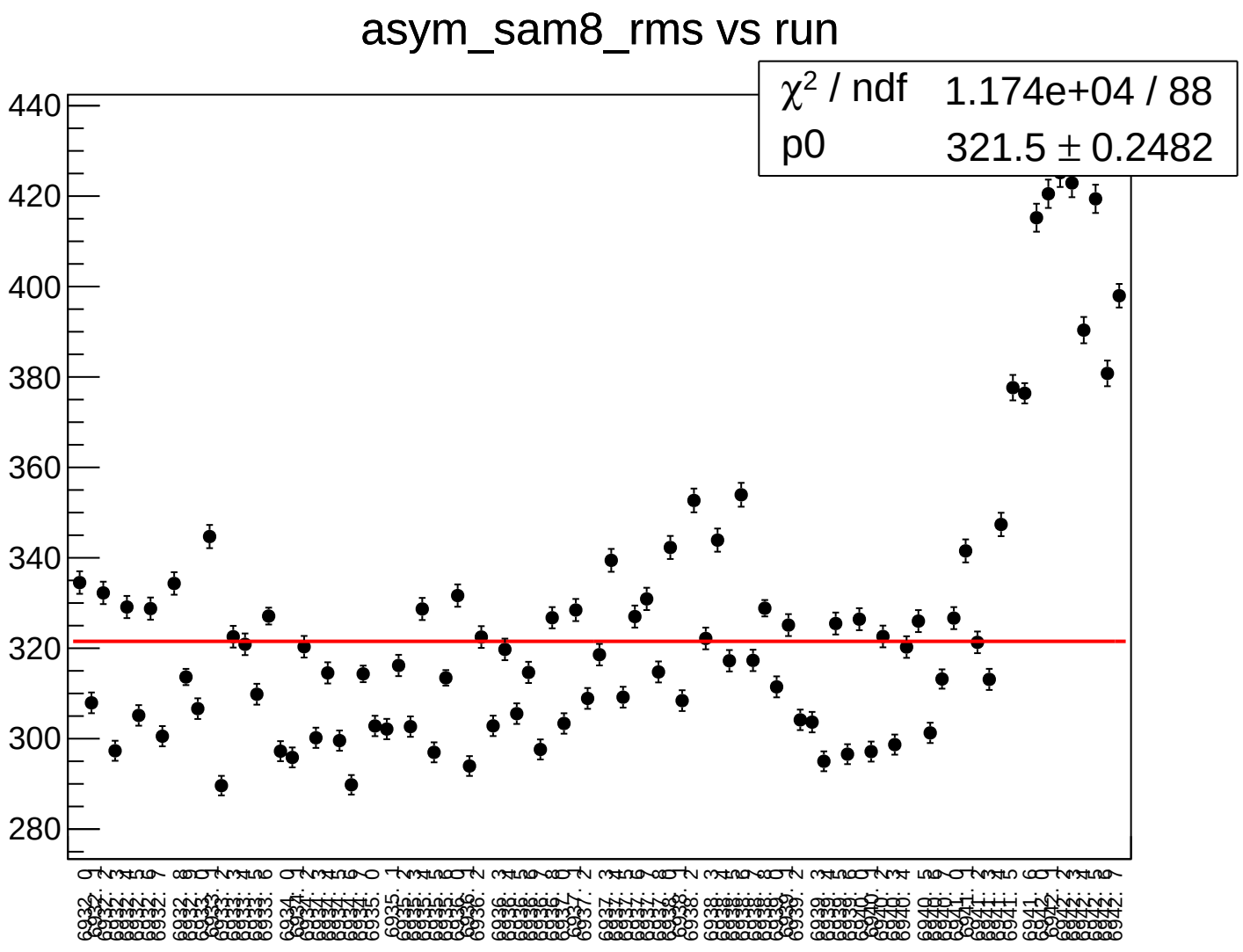
dit_asym_sam8_rms vs run

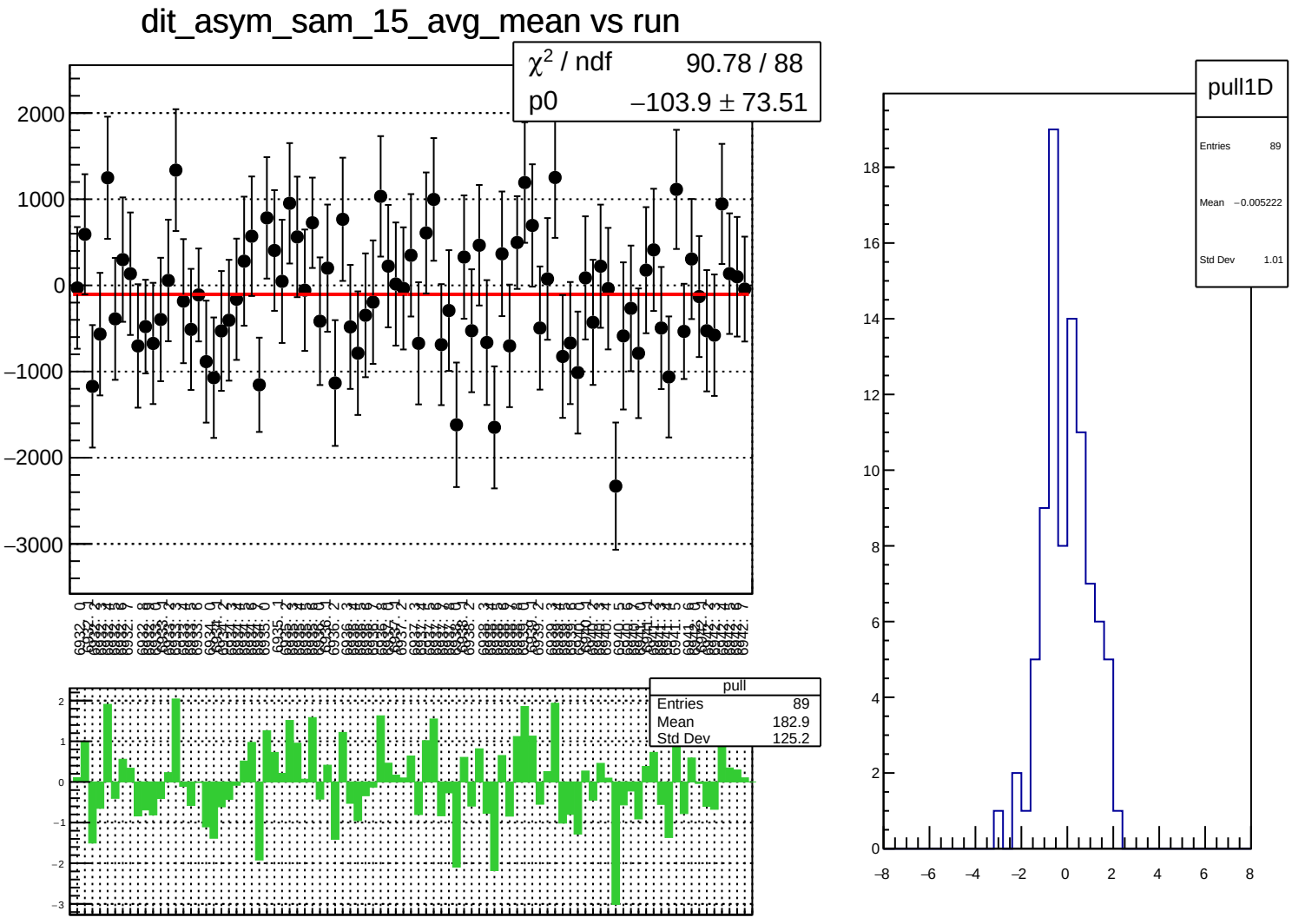



asym_sam8_correction_mean vs run
χ² / ndf 85.24 / 88
p0 −39.81 ± 352.7
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −430.9
Std Dev 478.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.0052
Std Dev 0.9786
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

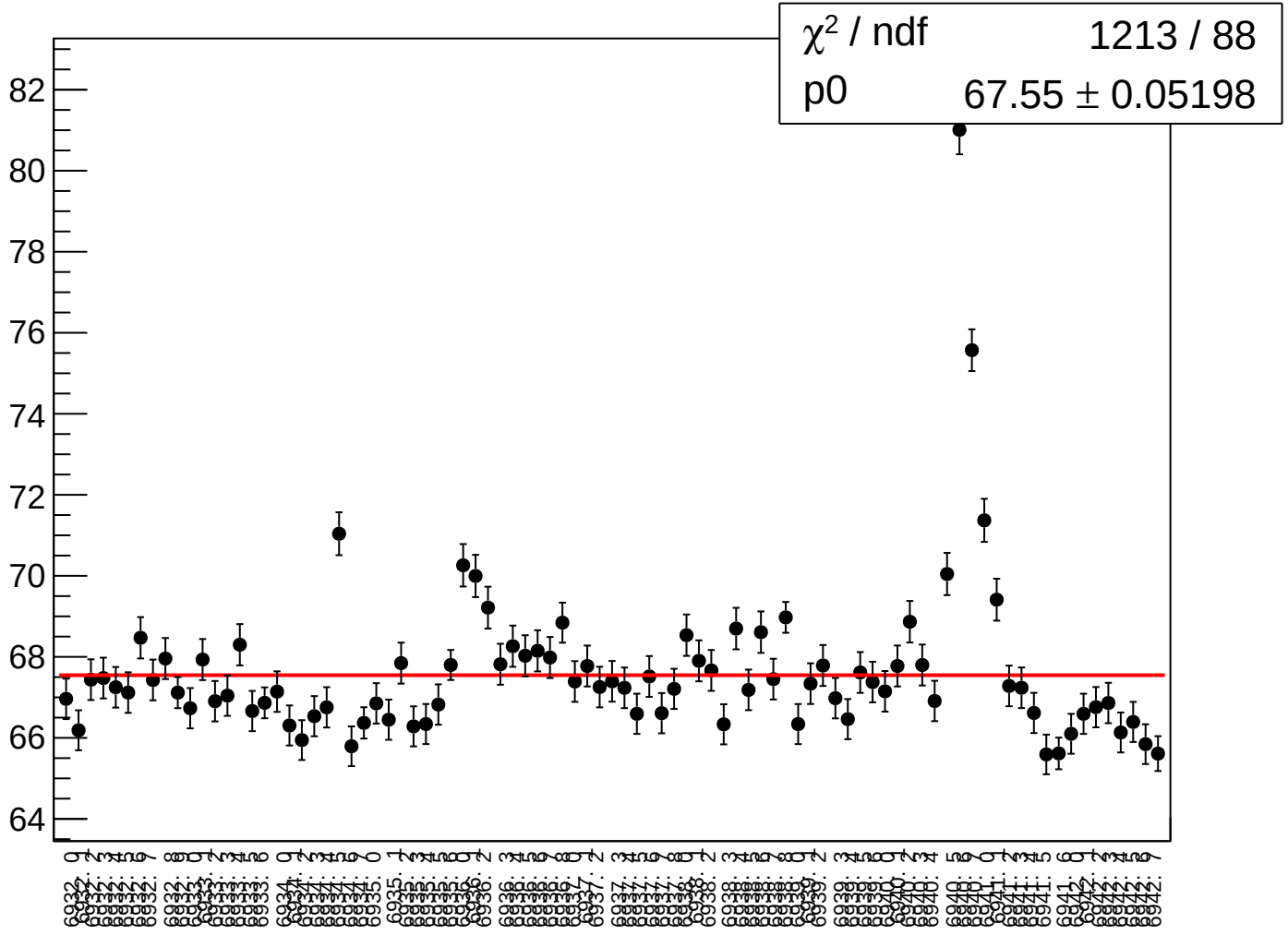

asym_sam8_correction_rms vs run
χ^2 / ndf 1.1e+04 / 88
p0 323.2 ± 0.2494
440
420
400
380
360
340
320
300
280

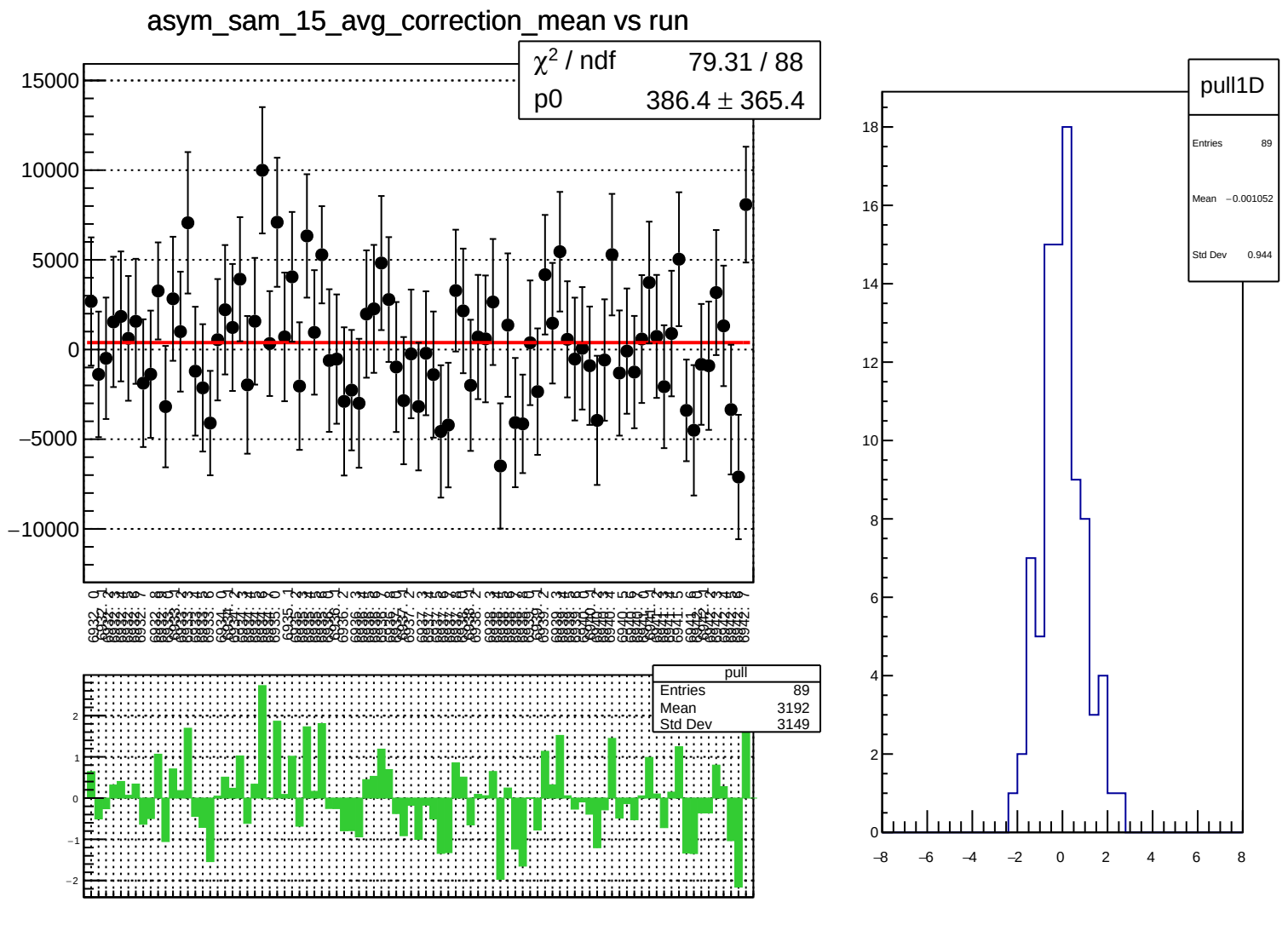

asym_sam8_mean vs run
χ² / ndf 84.49 / 88
p0 249.6 ± 351
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −439
Std Dev 487.8
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.004932
Std Dev 0.9743
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

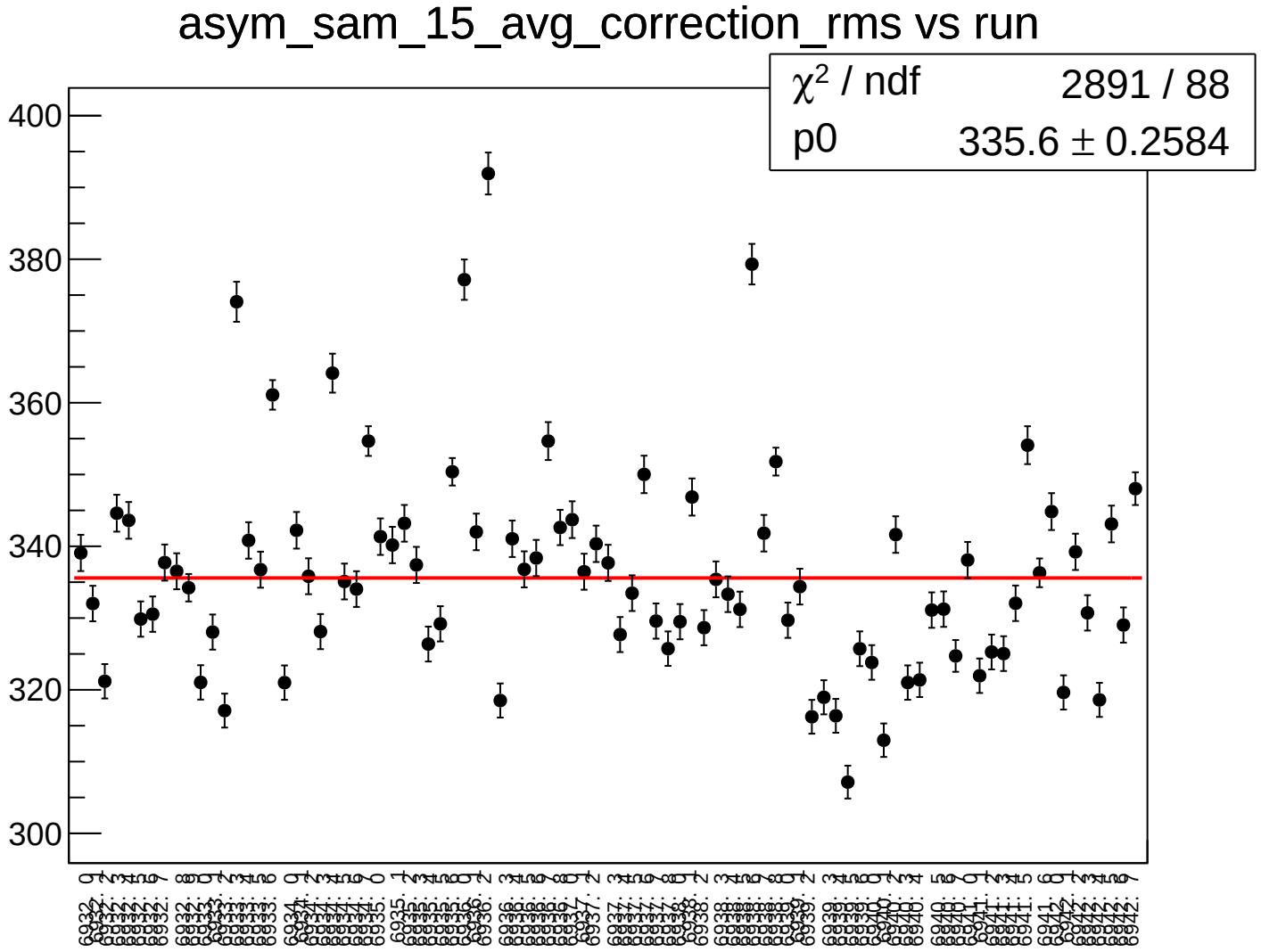

asym_sam8_rms vs run
χ^2 / ndf 1.174e+04 / 88
p0 321.5 ± 0.2482
440
420
400
380
360
340
320
300
280

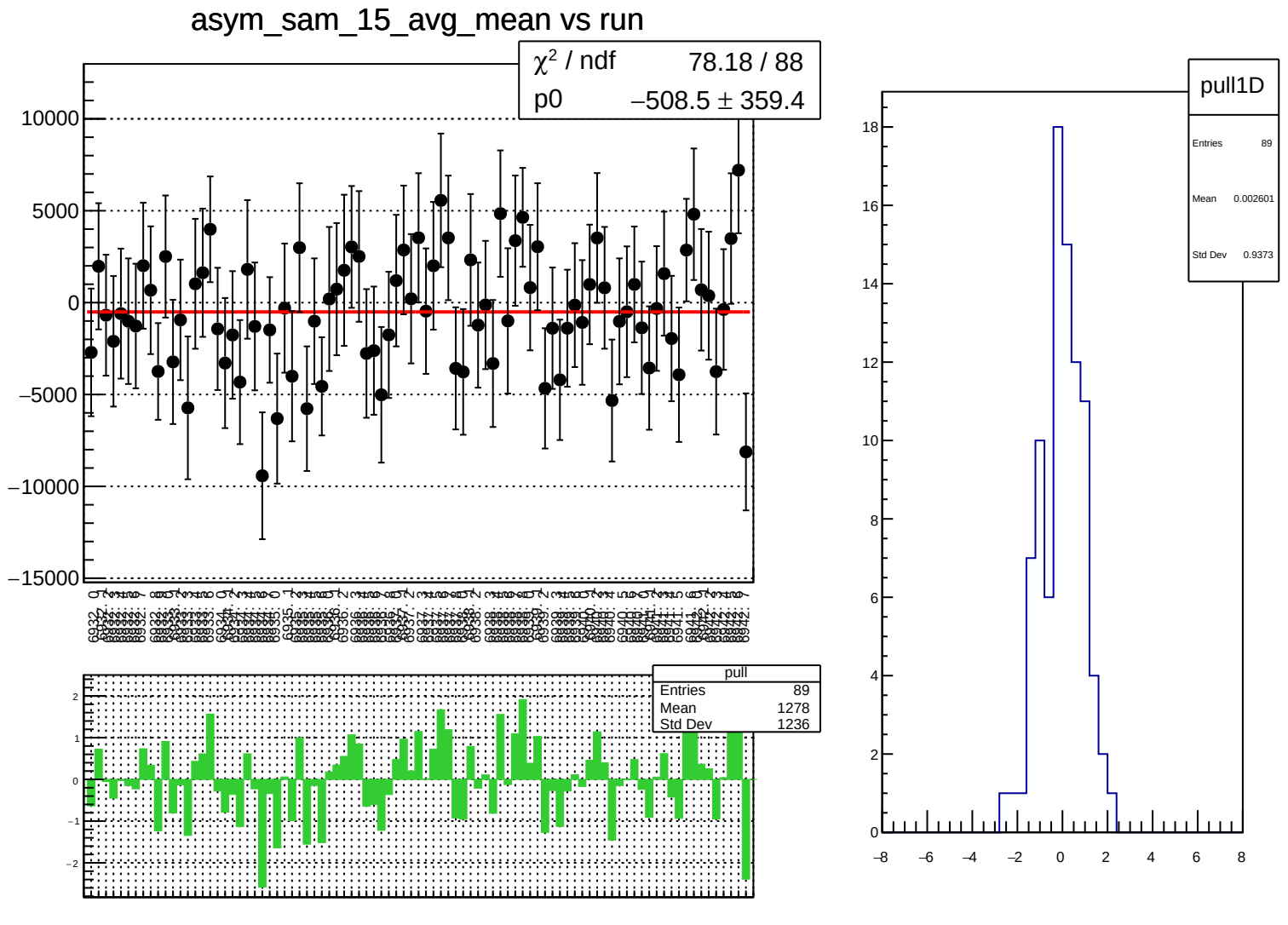

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 90.78 / 88
p0 −103.9 ± 73.51
pull
Entries 89
Mean 182.9
Std Dev 125.2
pull1D
Entries 89
Mean −0.005222
Std Dev 1.01

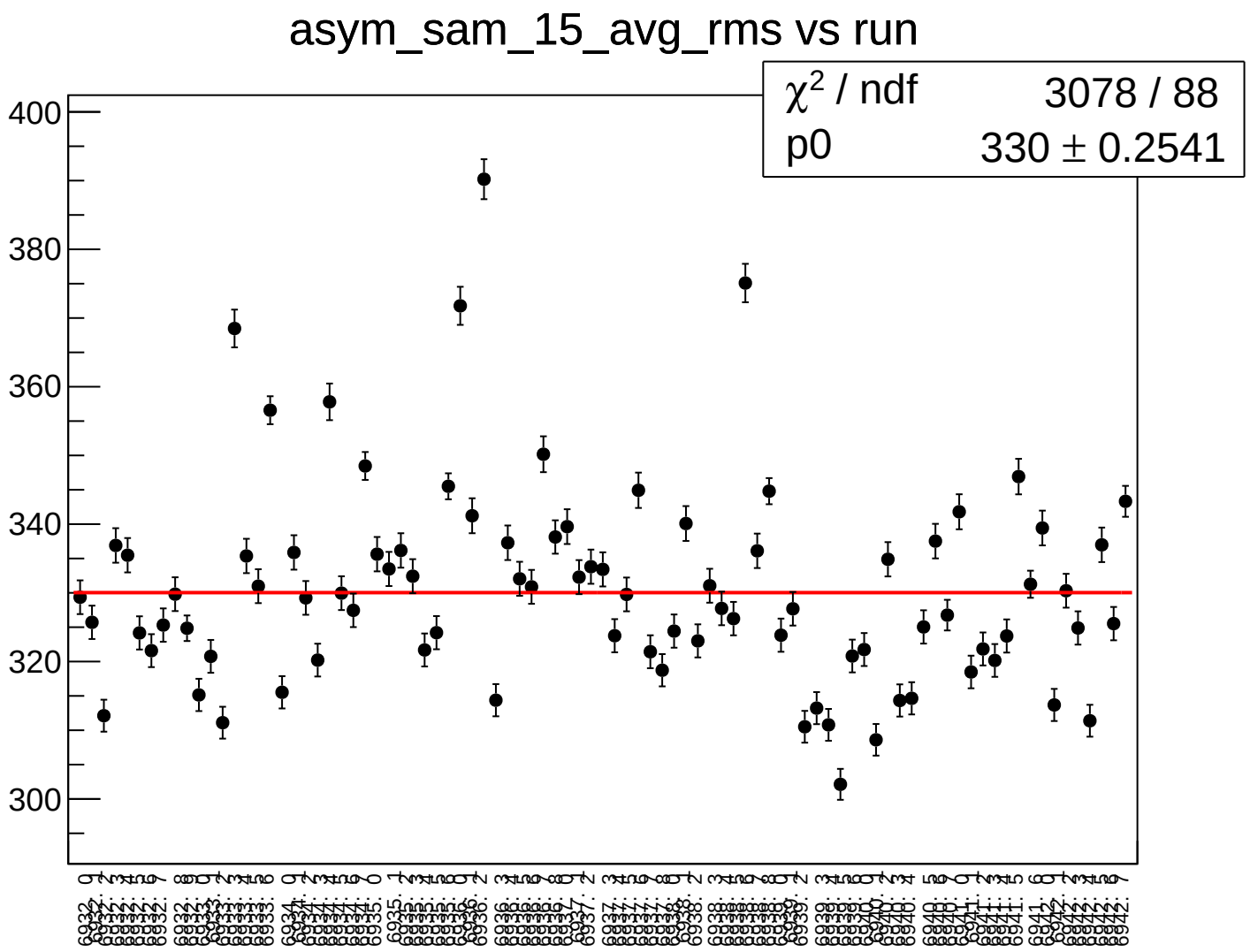
dit_asym_sam_15_avg_rms vs run

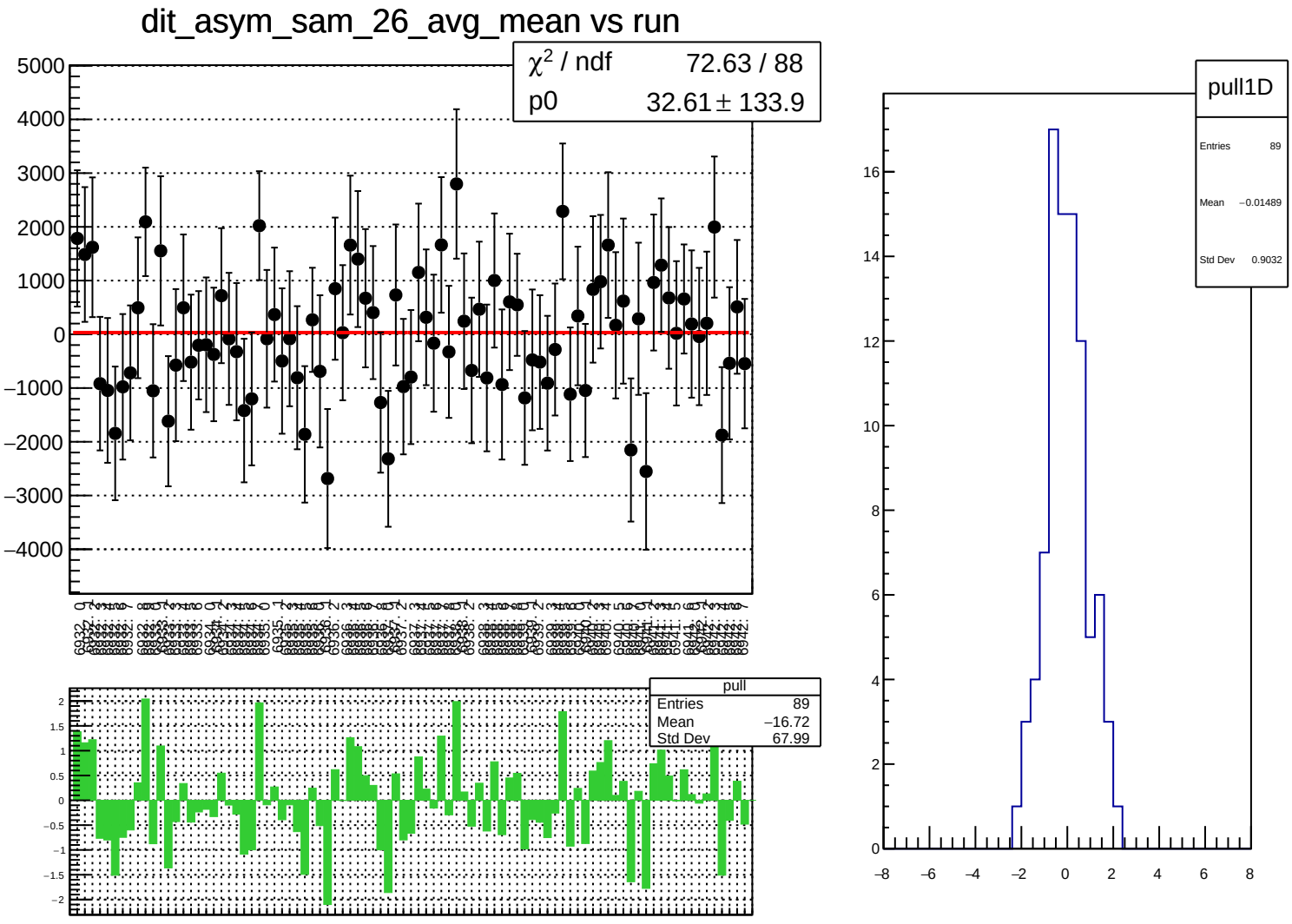



asym_sam_15_avg_correction_mean vs run
χ² / ndf 79.31 / 88
p0 386.4 ± 365.4
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 3192
Std Dev 3149
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.001052
Std Dev 0.944
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

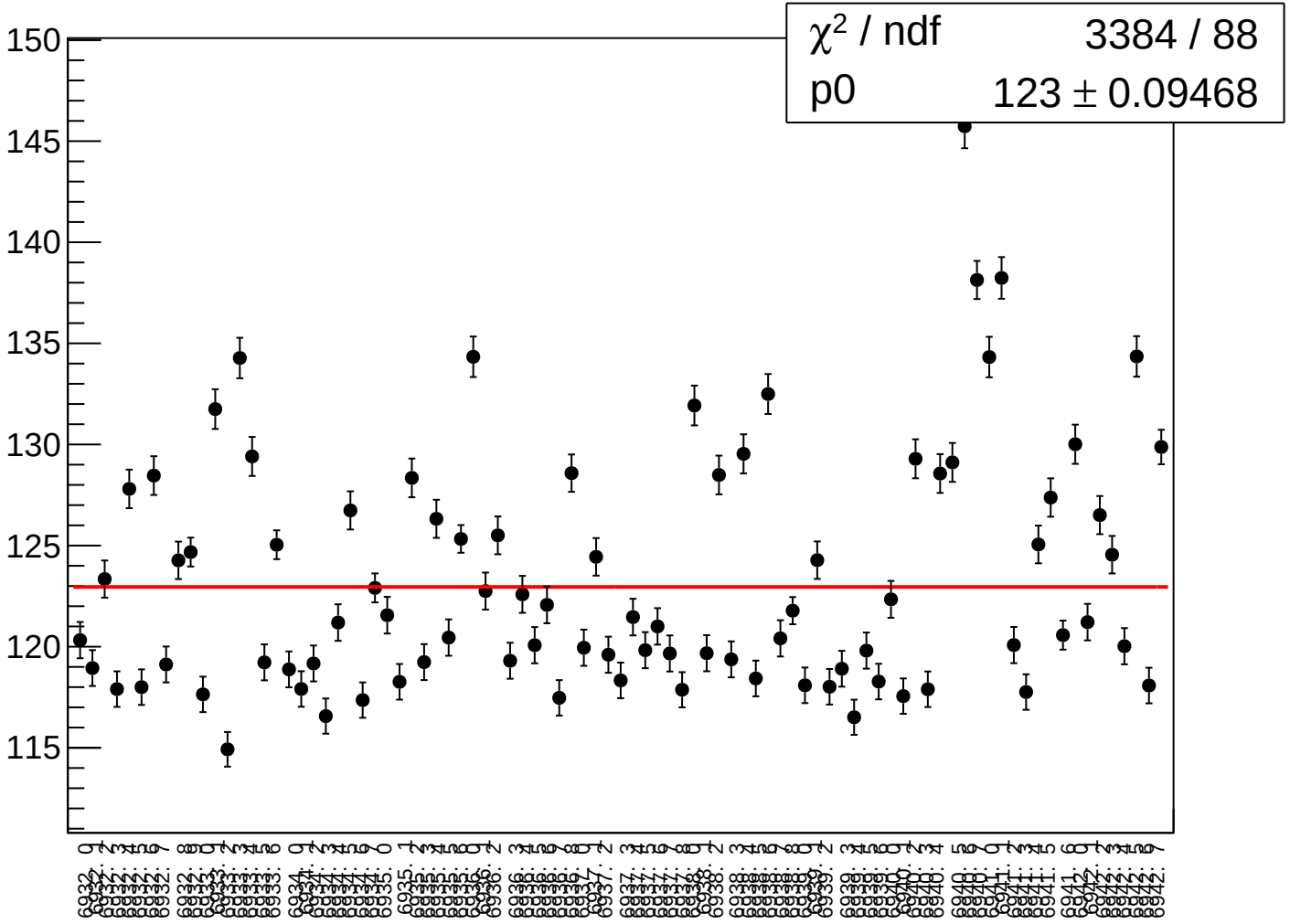

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 2891 / 88
p0 335.6 ± 0.2584
400
380
360
340
320
300

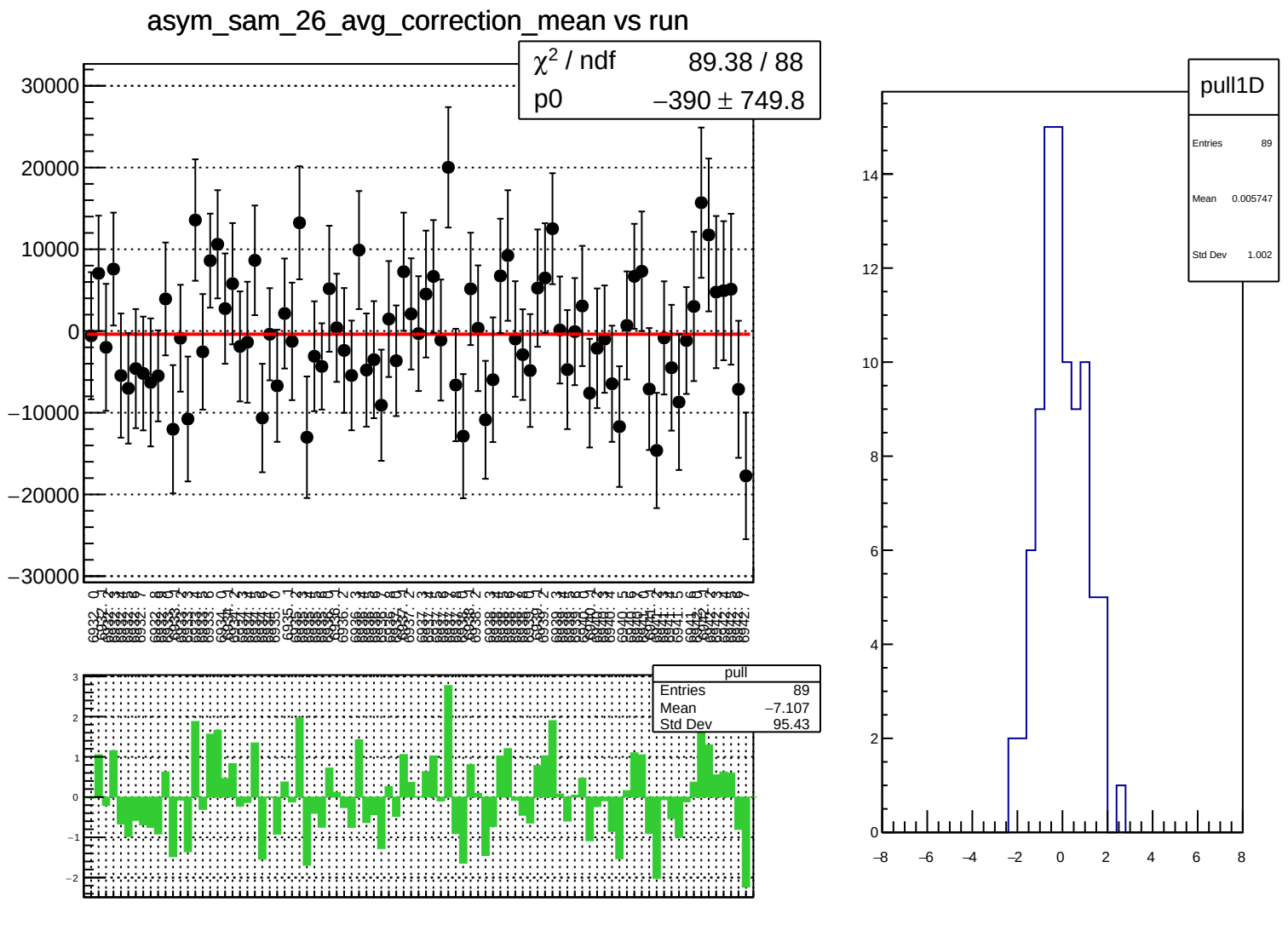

asym_sam_15_avg_mean vs run
χ² / ndf 78.18 / 88
p0 −508.5 ± 359.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 1278
Std Dev 1236
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.002601
Std Dev 0.9373
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_rms vs run
χ^2 / ndf 3078 / 88
p0 330 ± 0.2541
400
380
360
340
320
300

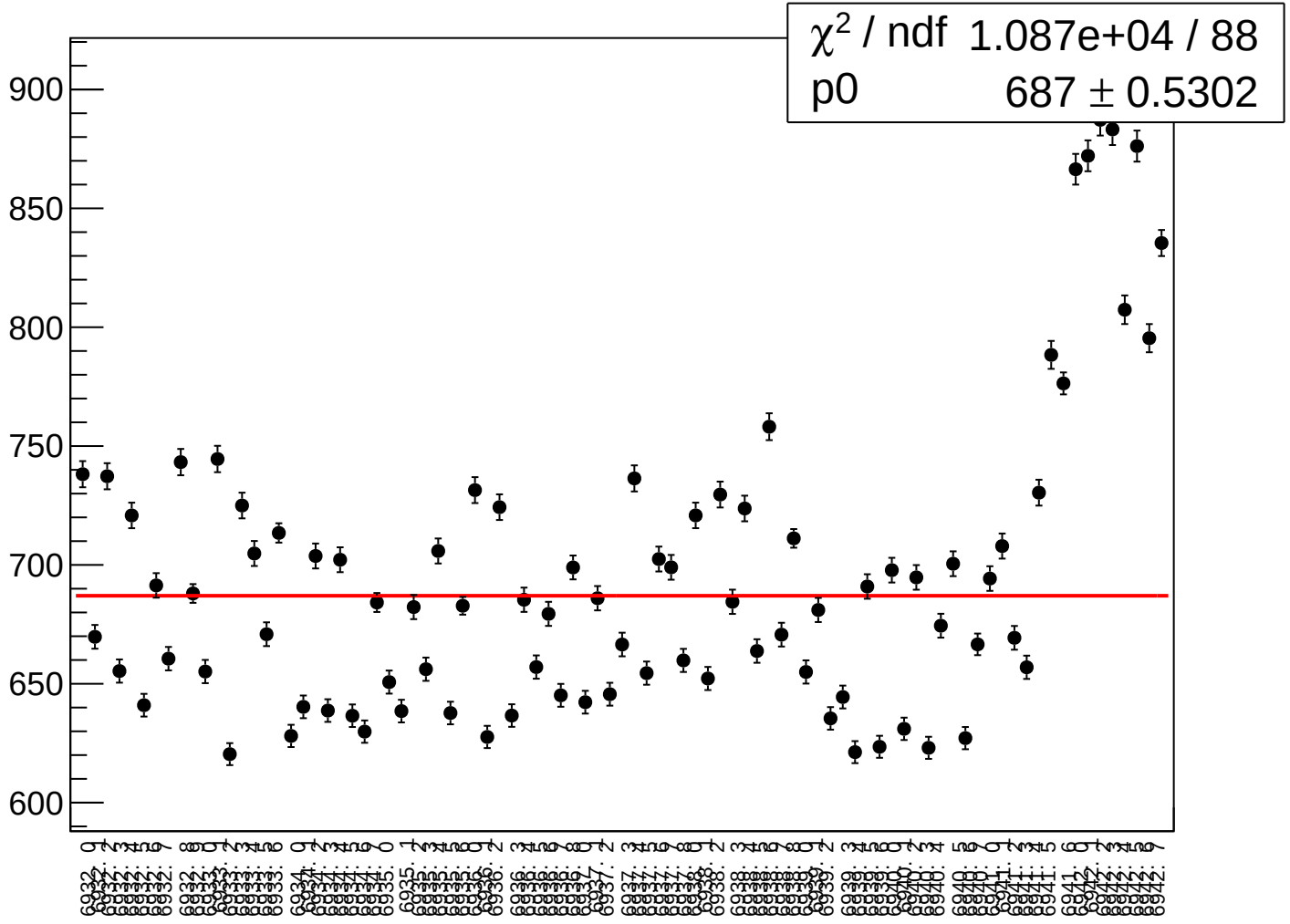

dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 72.63 / 88
p0 32.61 ± 133.9
pull
Entries 89
Mean −16.72
Std Dev 67.99
pull1D
Entries 89
Mean −0.01489
Std Dev 0.9032

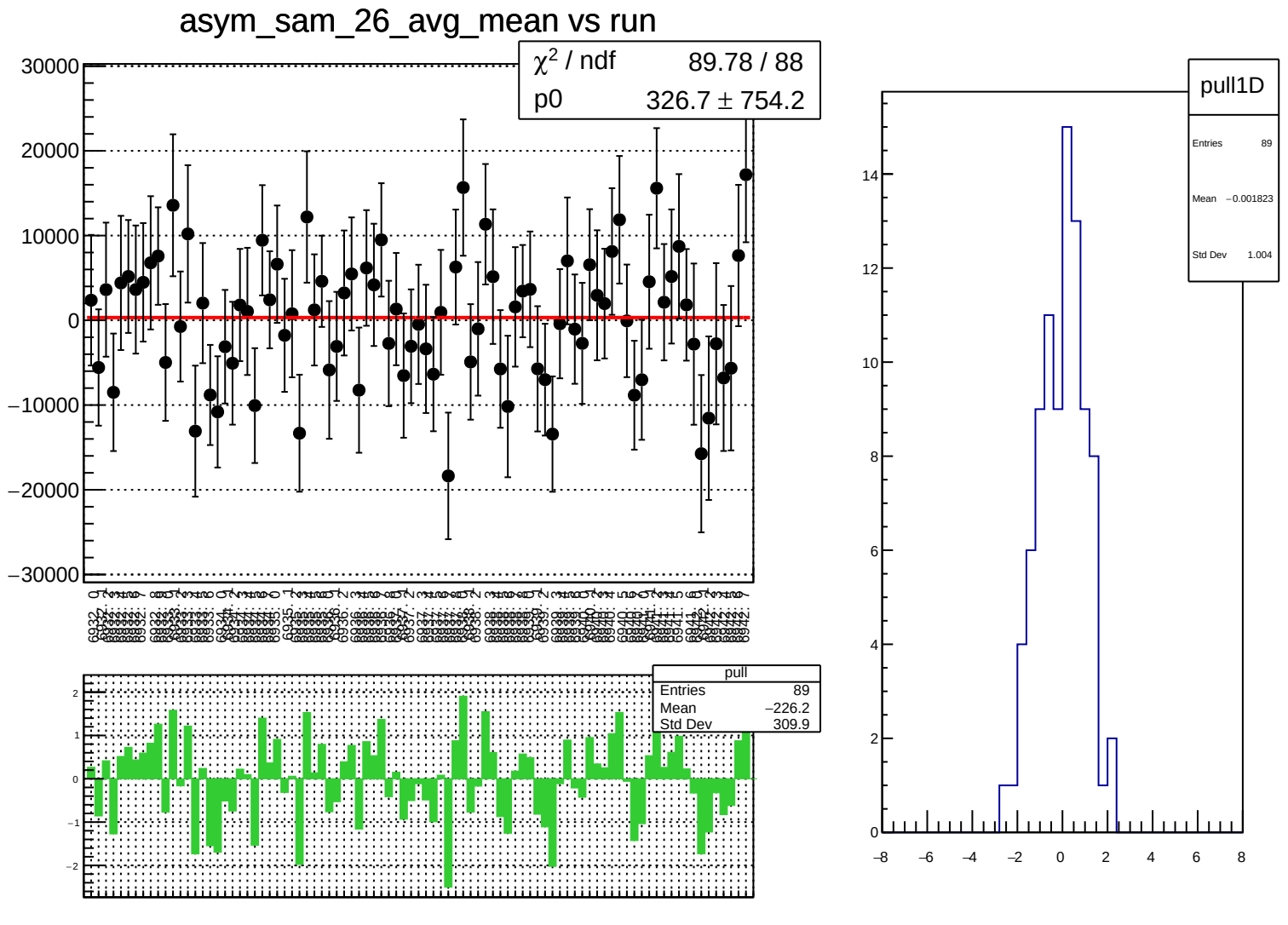
dit_asym_sam_26_avg_rms vs run



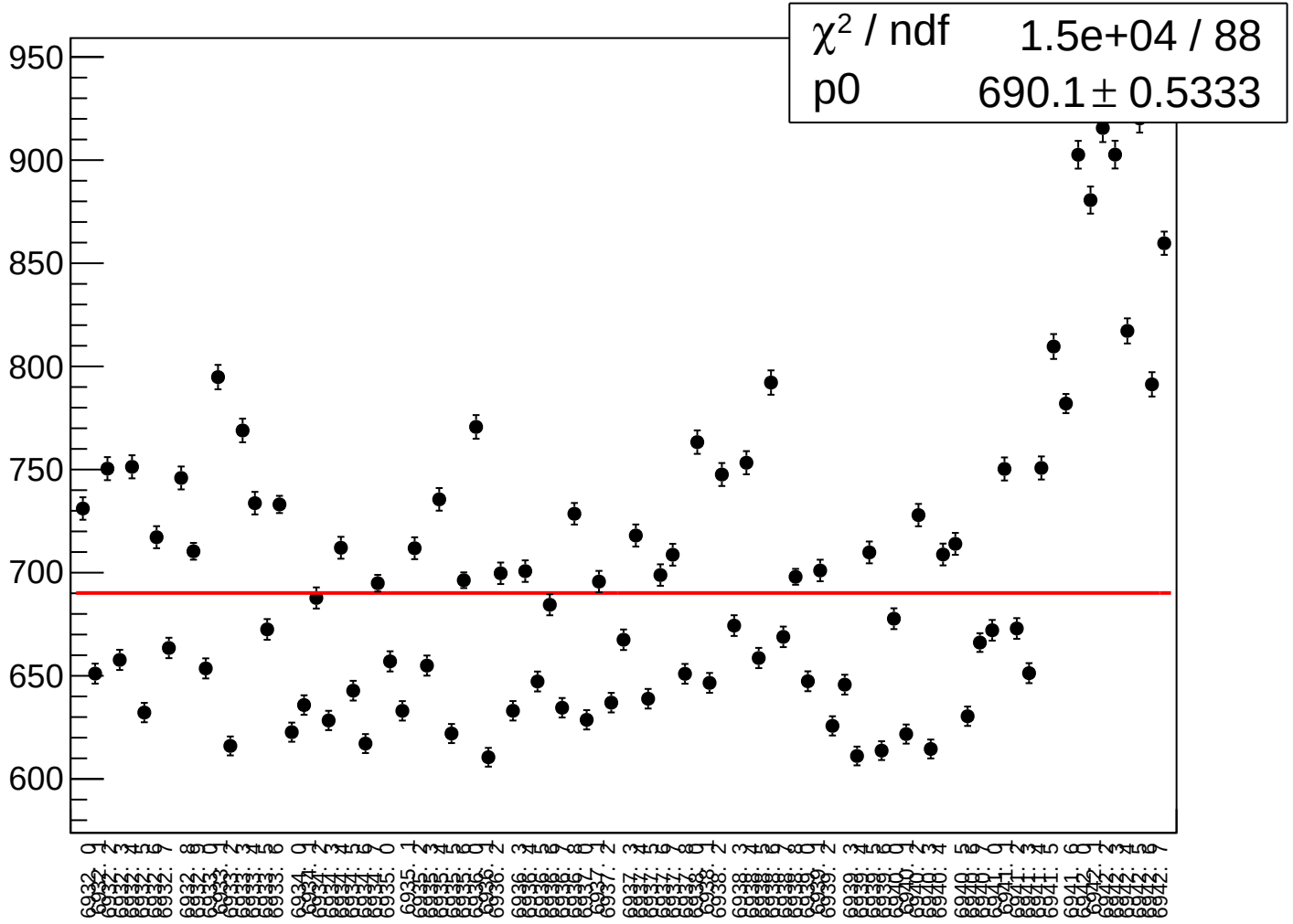

asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 89.38 / 88
p0 −390 ± 749.8
pull
Entries 89
Mean −7.107
Std Dev 95.43
pull1D
Entries 89
Mean 0.005747
Std Dev 1.002

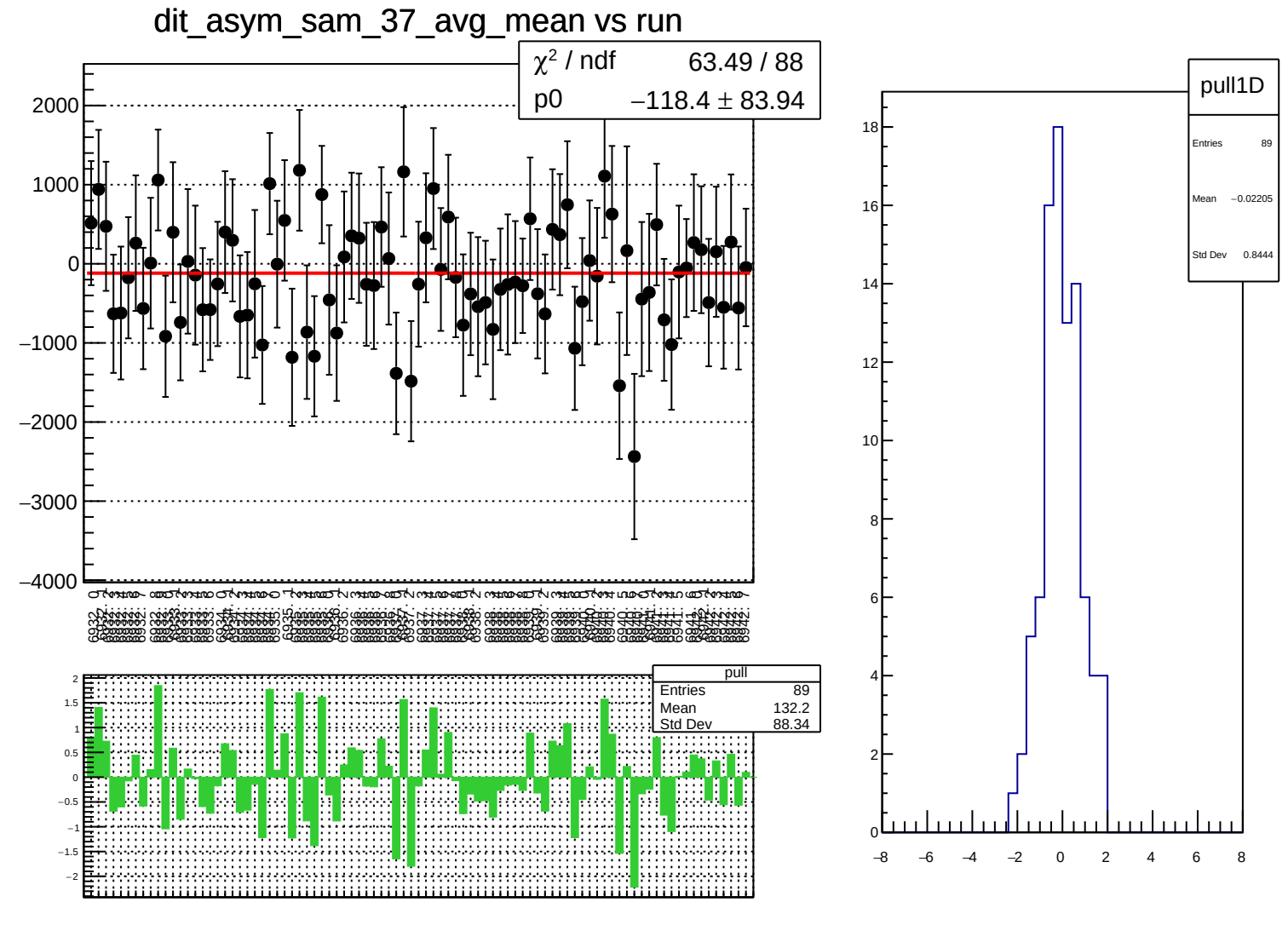
asym_sam_26_avg_correction_rms vs run



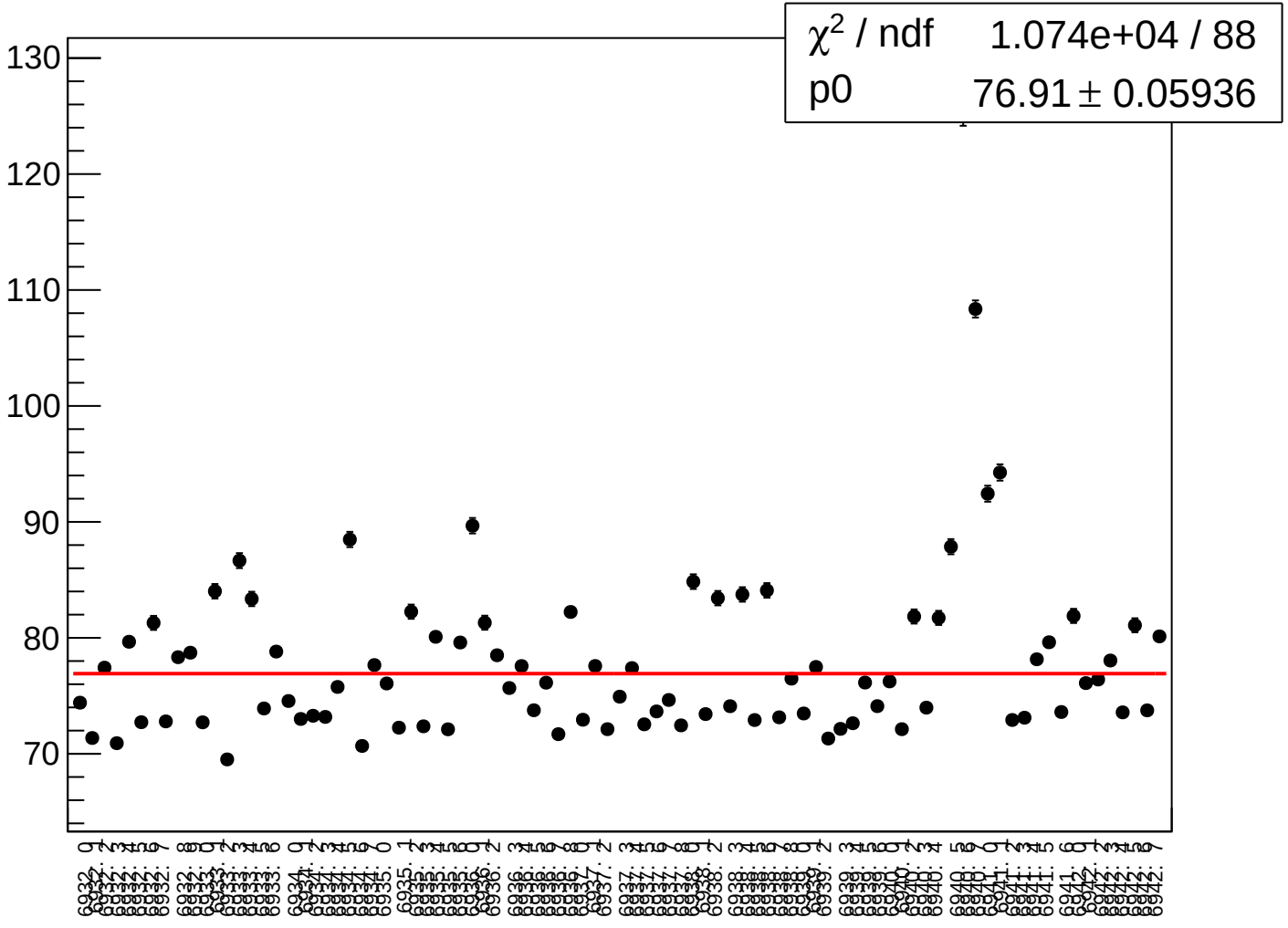

asym_sam_26_avg_mean vs run
χ^2 / ndf 89.78 / 88
p0 326.7 ± 754.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −226.2
Std Dev 309.9
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.001823
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

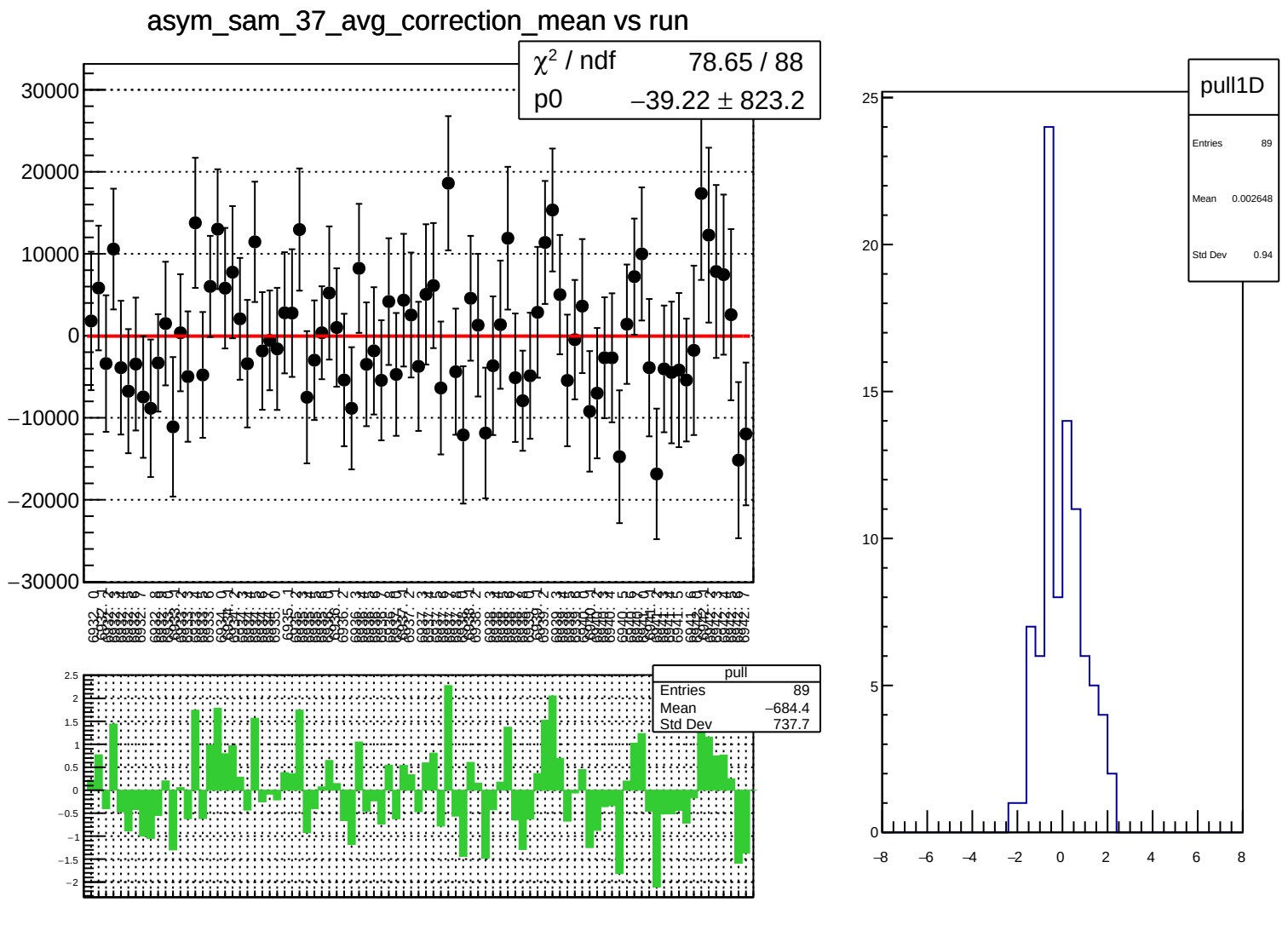
asym_sam_26_avg_rms vs run

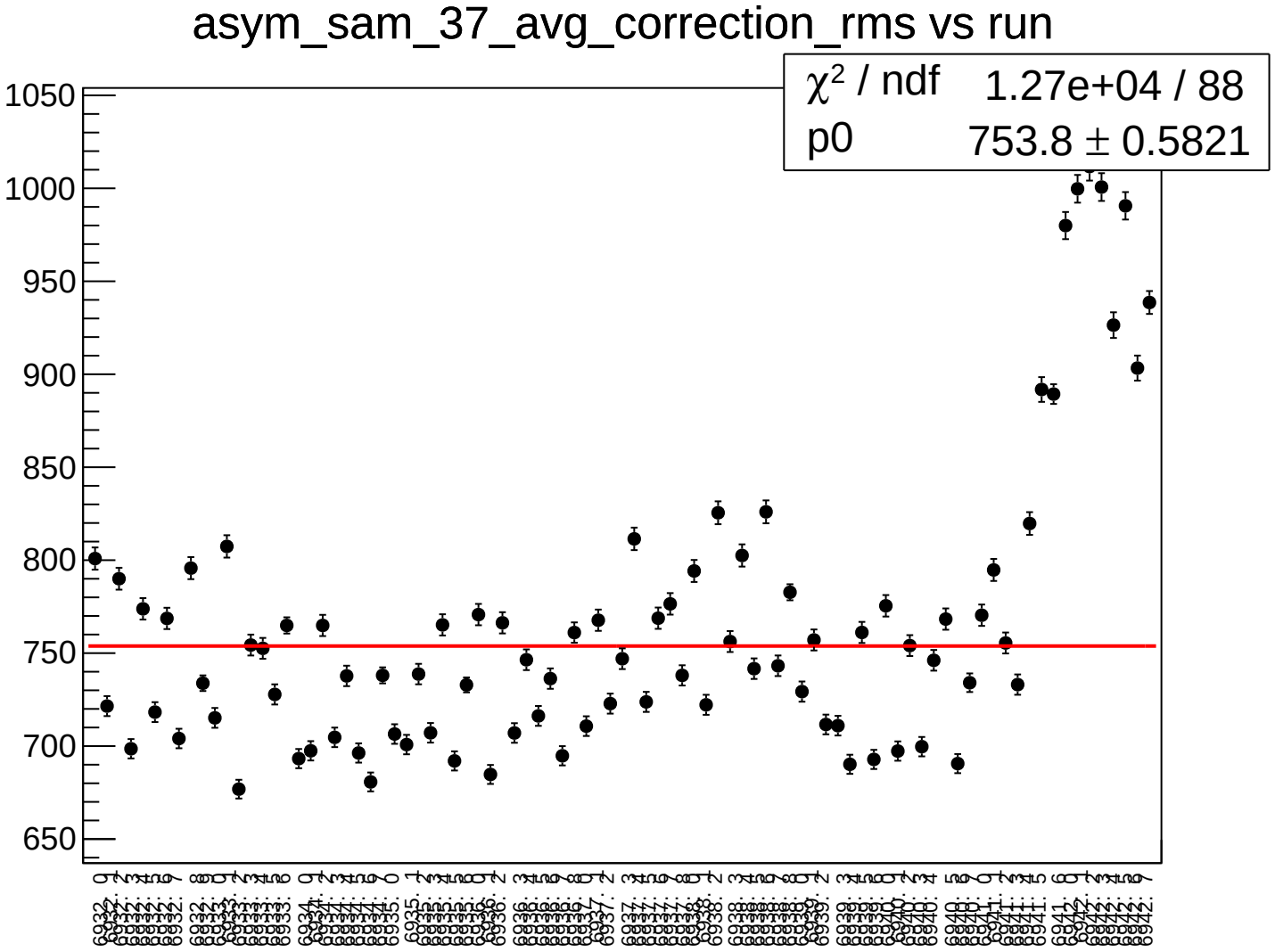


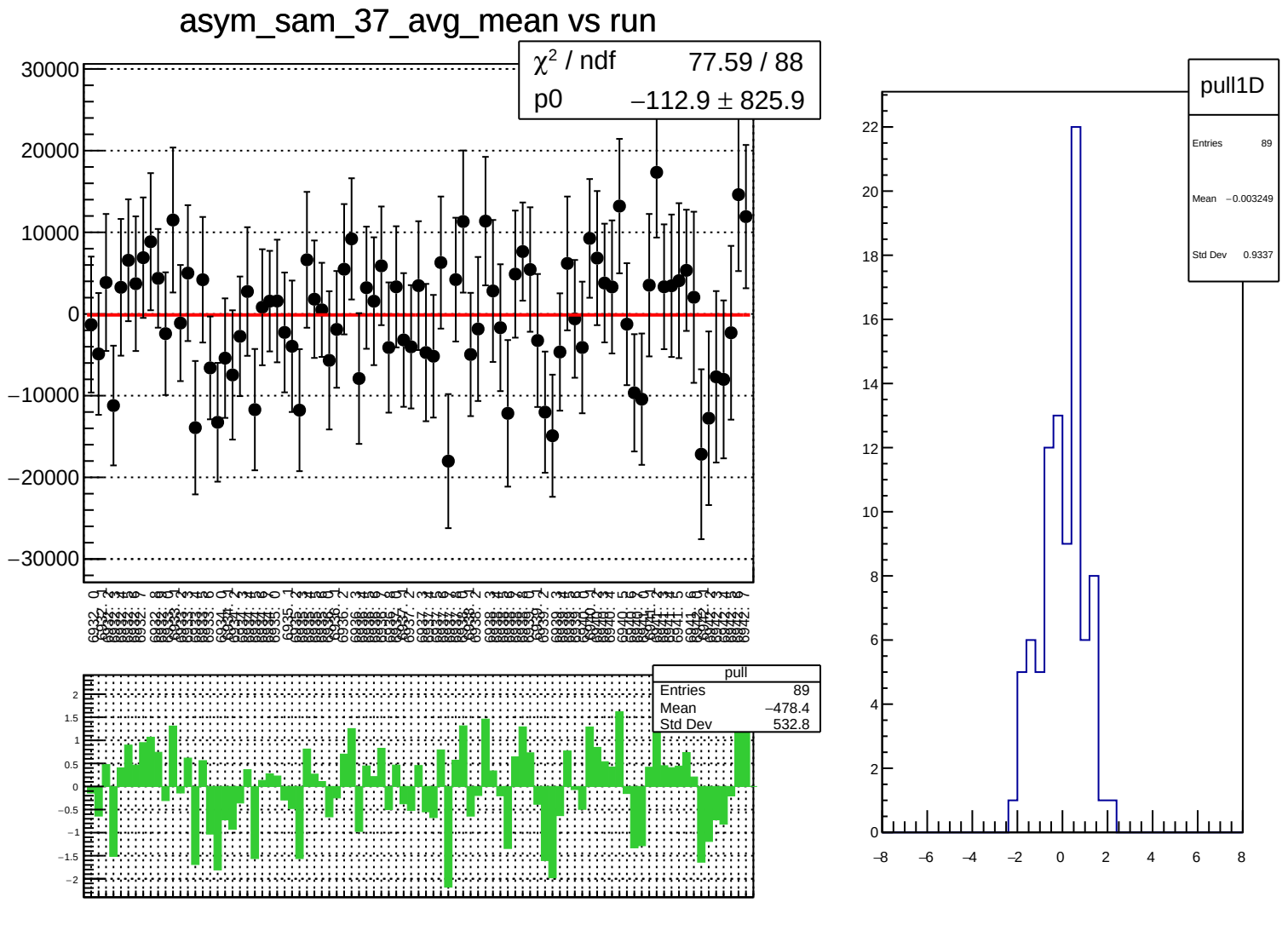

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 63.49 / 88
p0 −118.4 ± 83.94
pull
Entries 89
Mean 132.2
Std Dev 88.34
pull1D
Entries 89
Mean −0.02205
Std Dev 0.8444

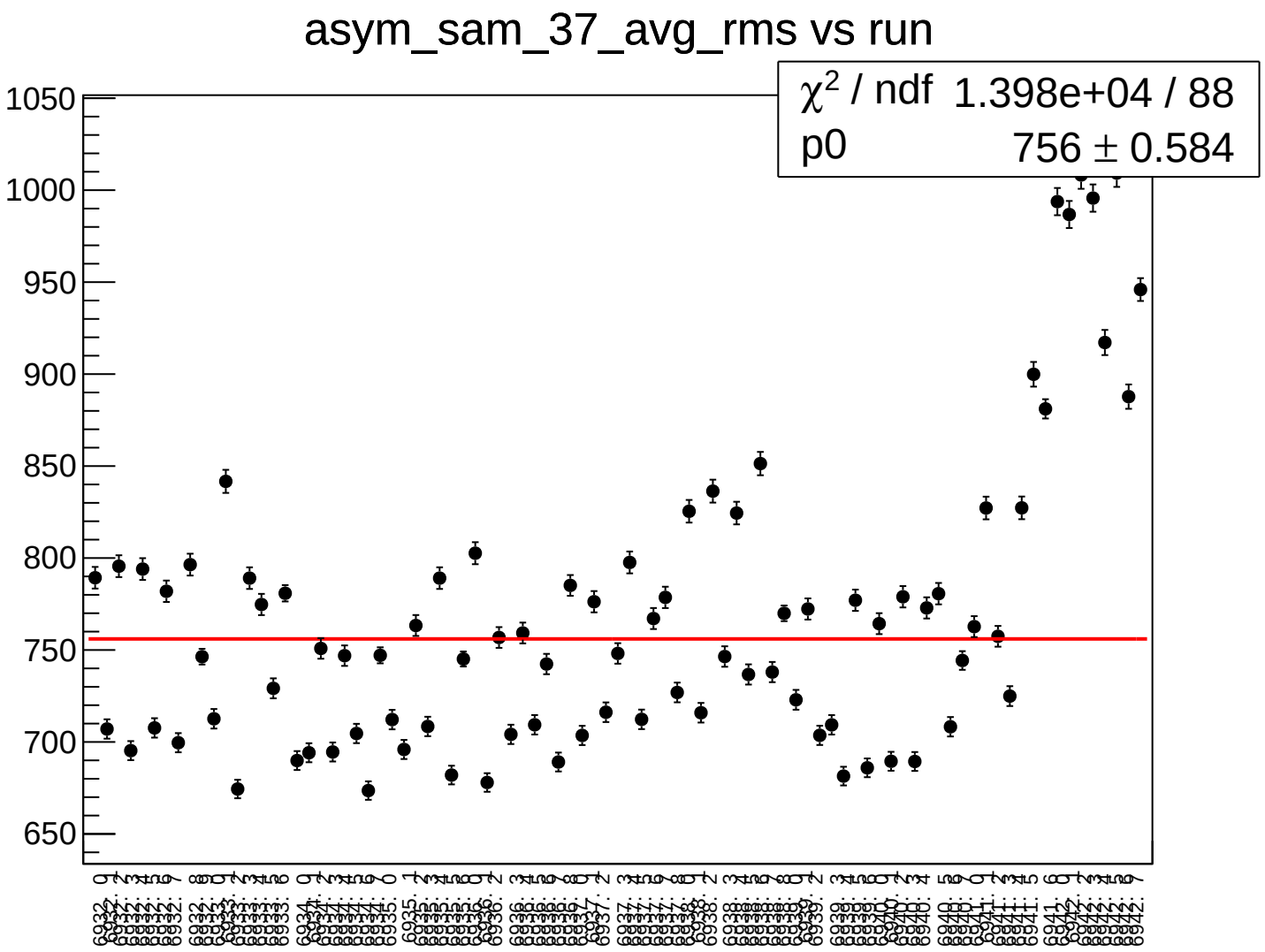
dit_asym_sam_37_avg_rms vs run

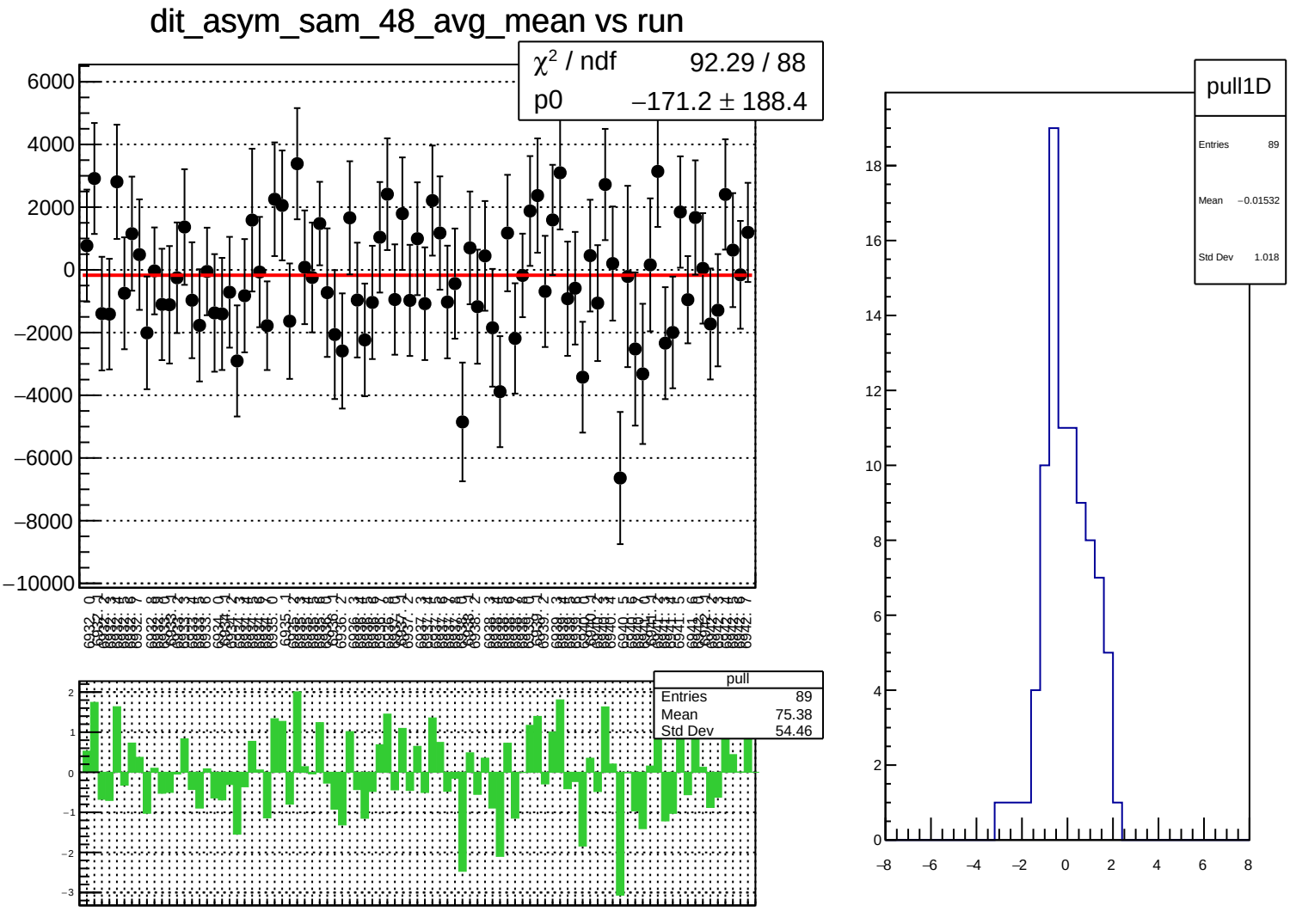



asym_sam_37_avg_correction_mean vs run
χ² / ndf 78.65 / 88
p0 −39.22 ± 823.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −684.4
Std Dev 737.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.002648
Std Dev 0.94
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

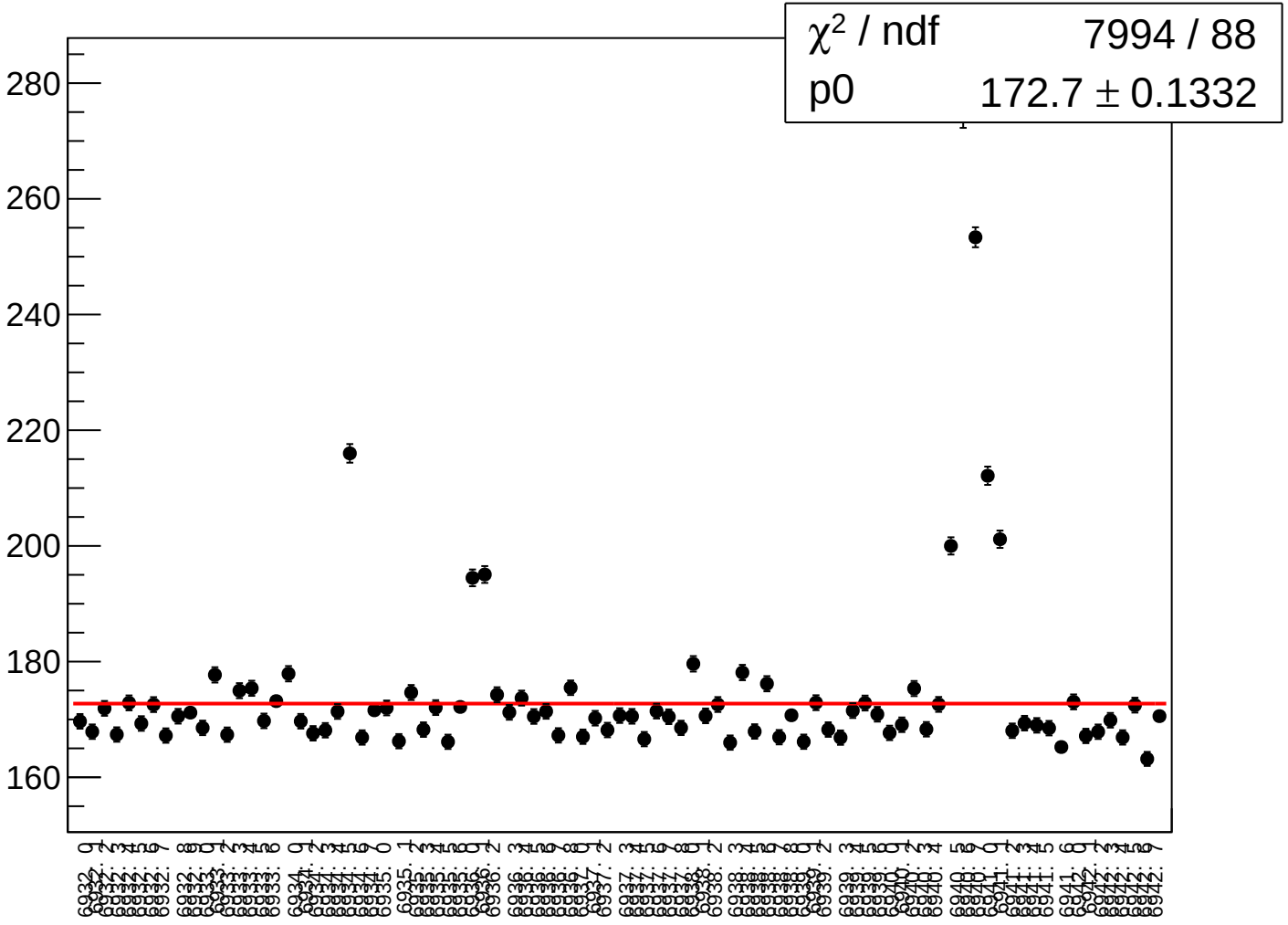

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.27e+04 / 88
p0 753.8 ± 0.5821
1050
1000
950
900
850
800
750
700
650

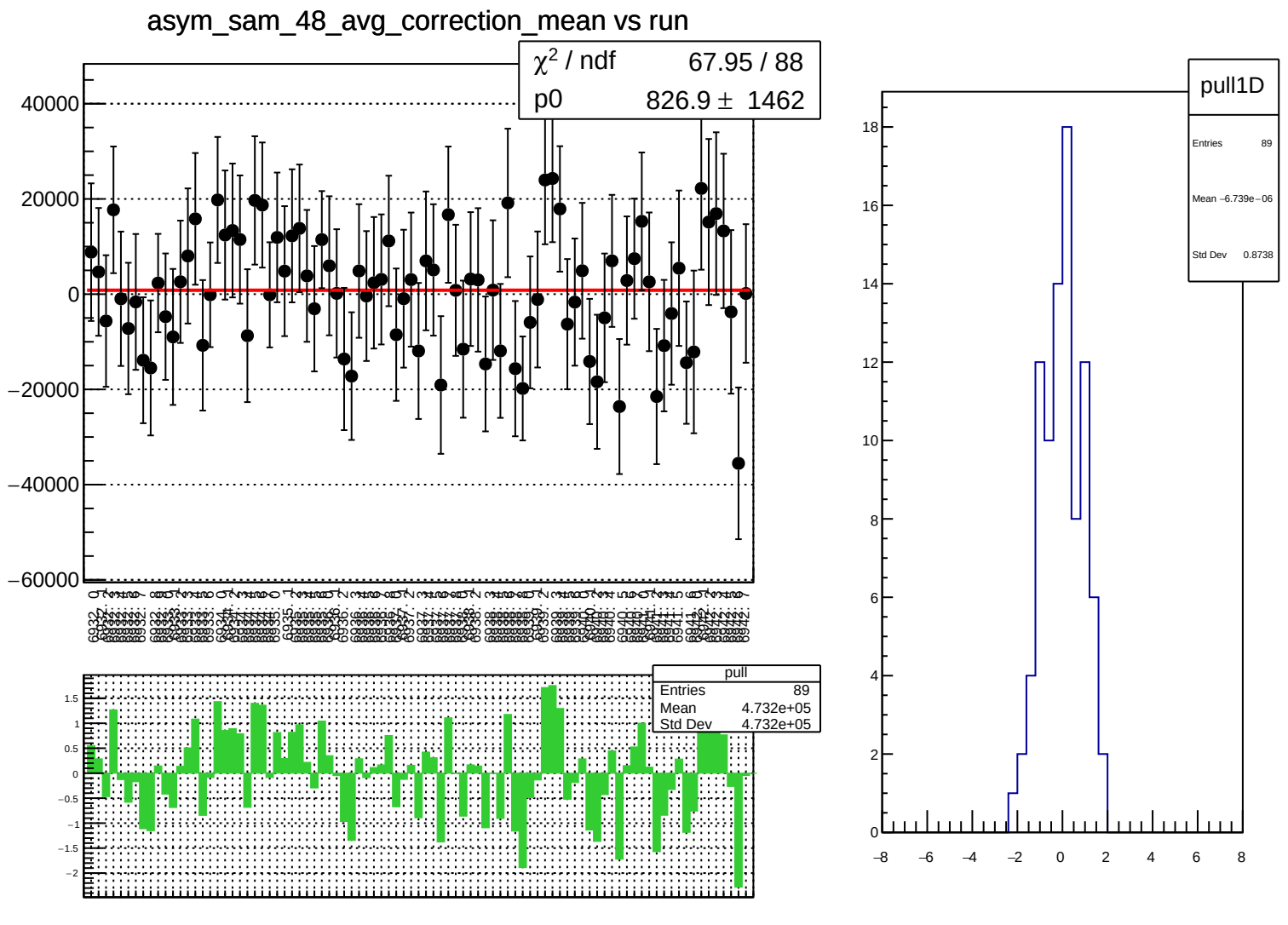

asym_sam_37_avg_mean vs run
χ² / ndf 77.59 / 88
p0 −112.9 ± 825.9
pull
Entries 89
Mean −478.4
Std Dev 532.8
pull1D
Entries 89
Mean −0.003249
Std Dev 0.9337

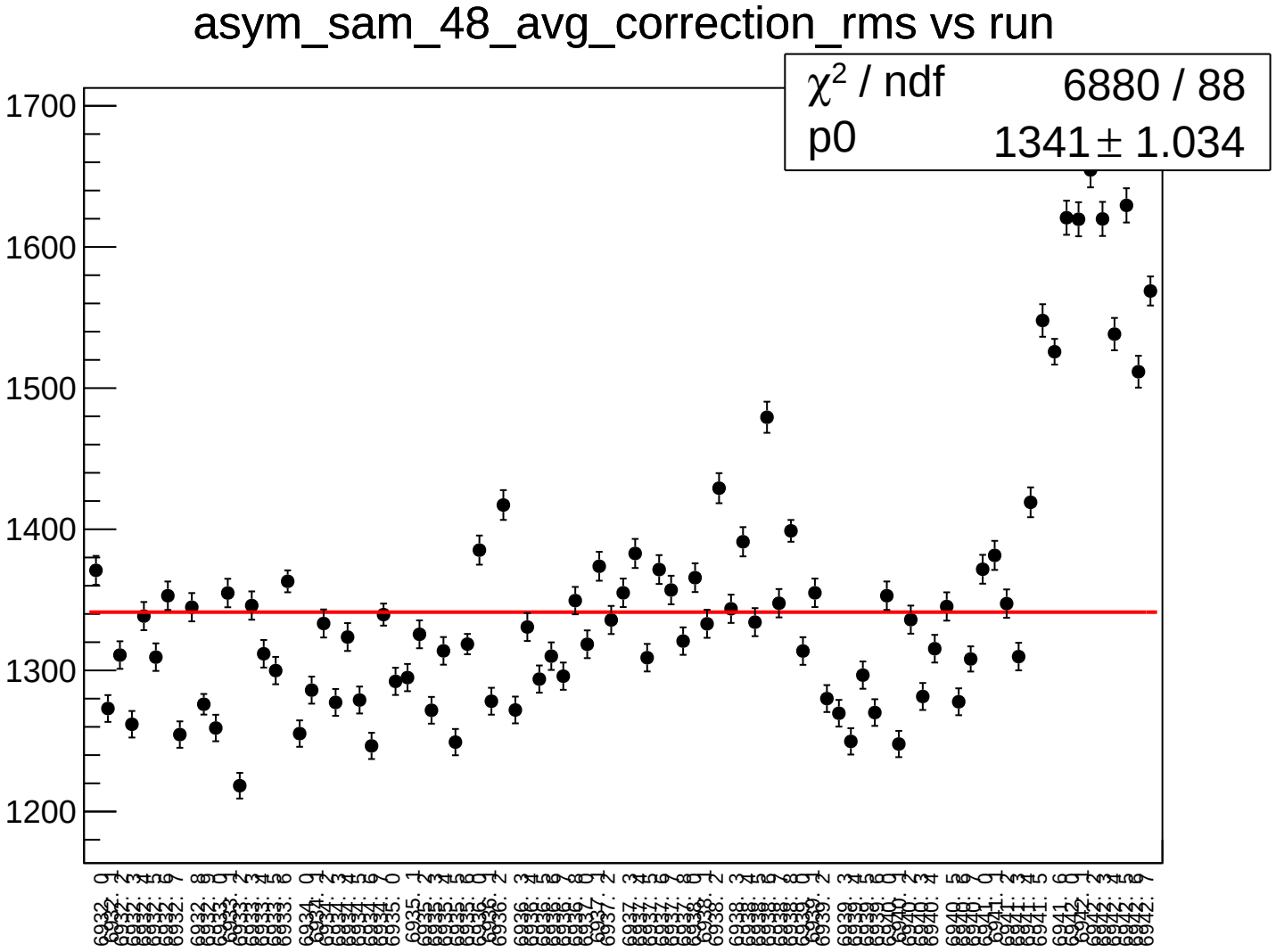

asym_sam_37_avg_rms vs run
χ² / ndf 1.398e+04 / 88
p0 756 ± 0.584
1050
1000
950
900
850
800
750
700
650

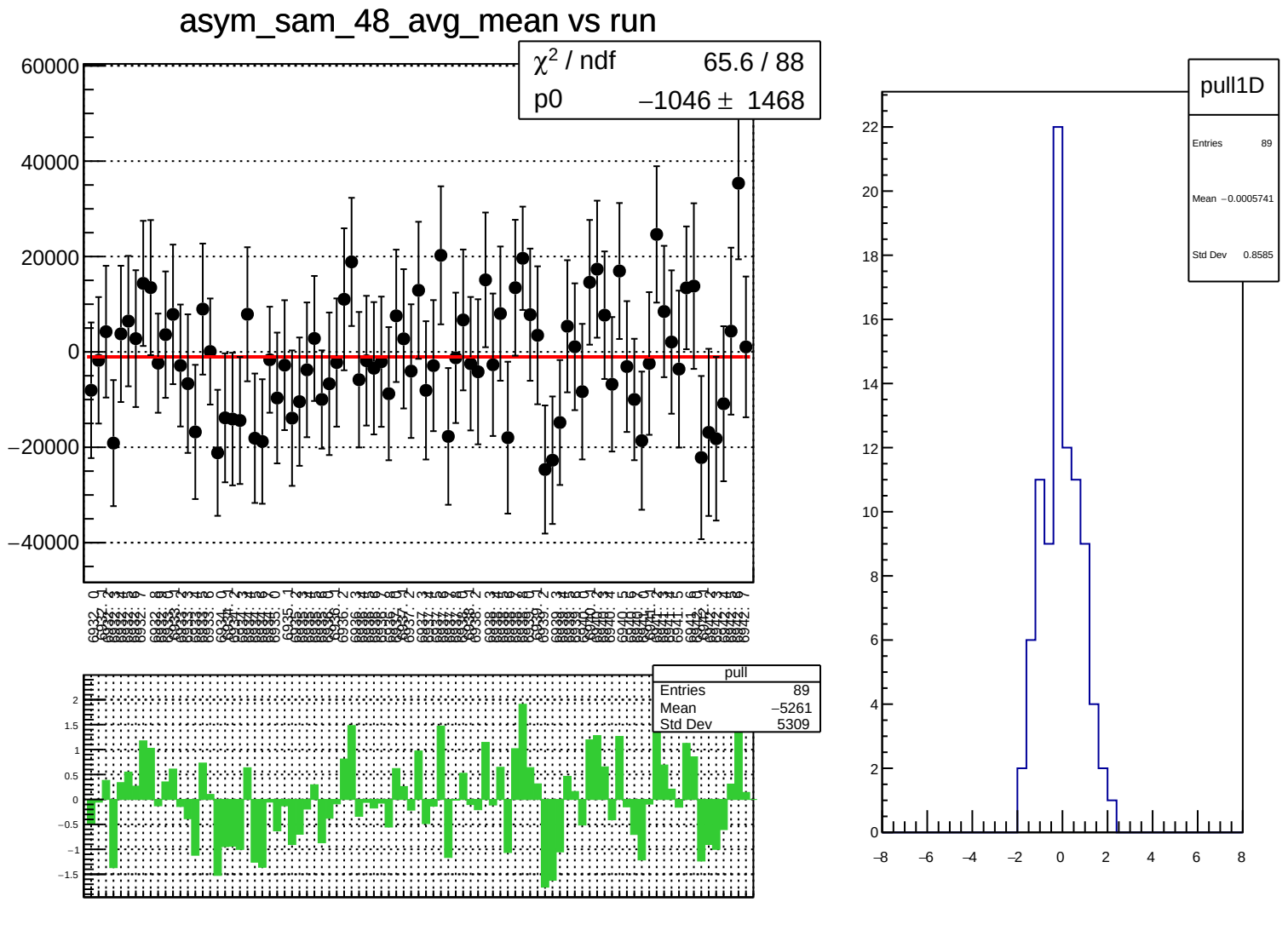

dit_asym_sam_48_avg_mean vs run
χ² / ndf 92.29 / 88
p0 −171.2 ± 188.4
pull
Entries 89
Mean 75.38
Std Dev 54.46
pull1D
Entries 89
Mean −0.01532
Std Dev 1.018

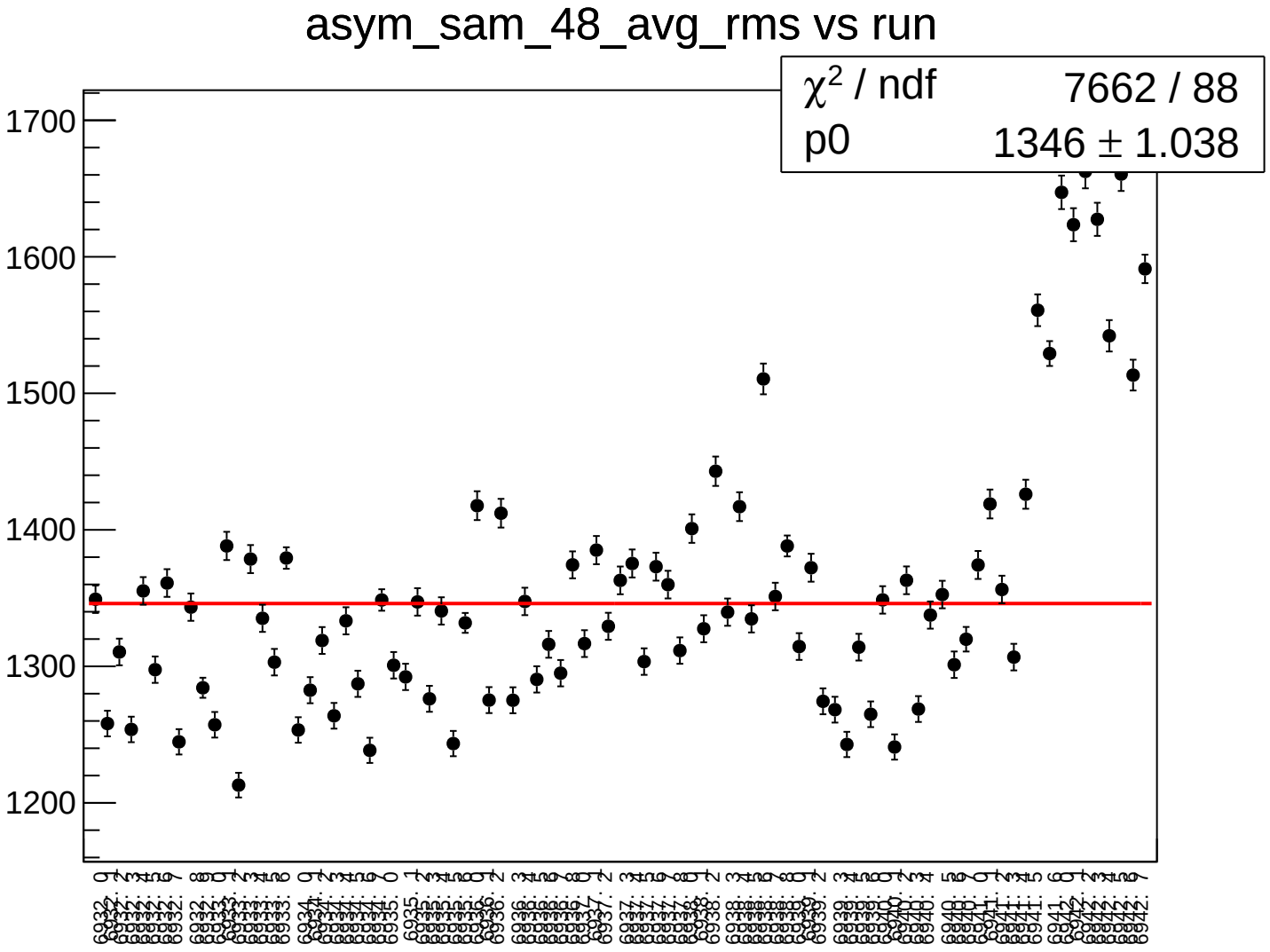
dit_asym_sam_48_avg_rms vs run

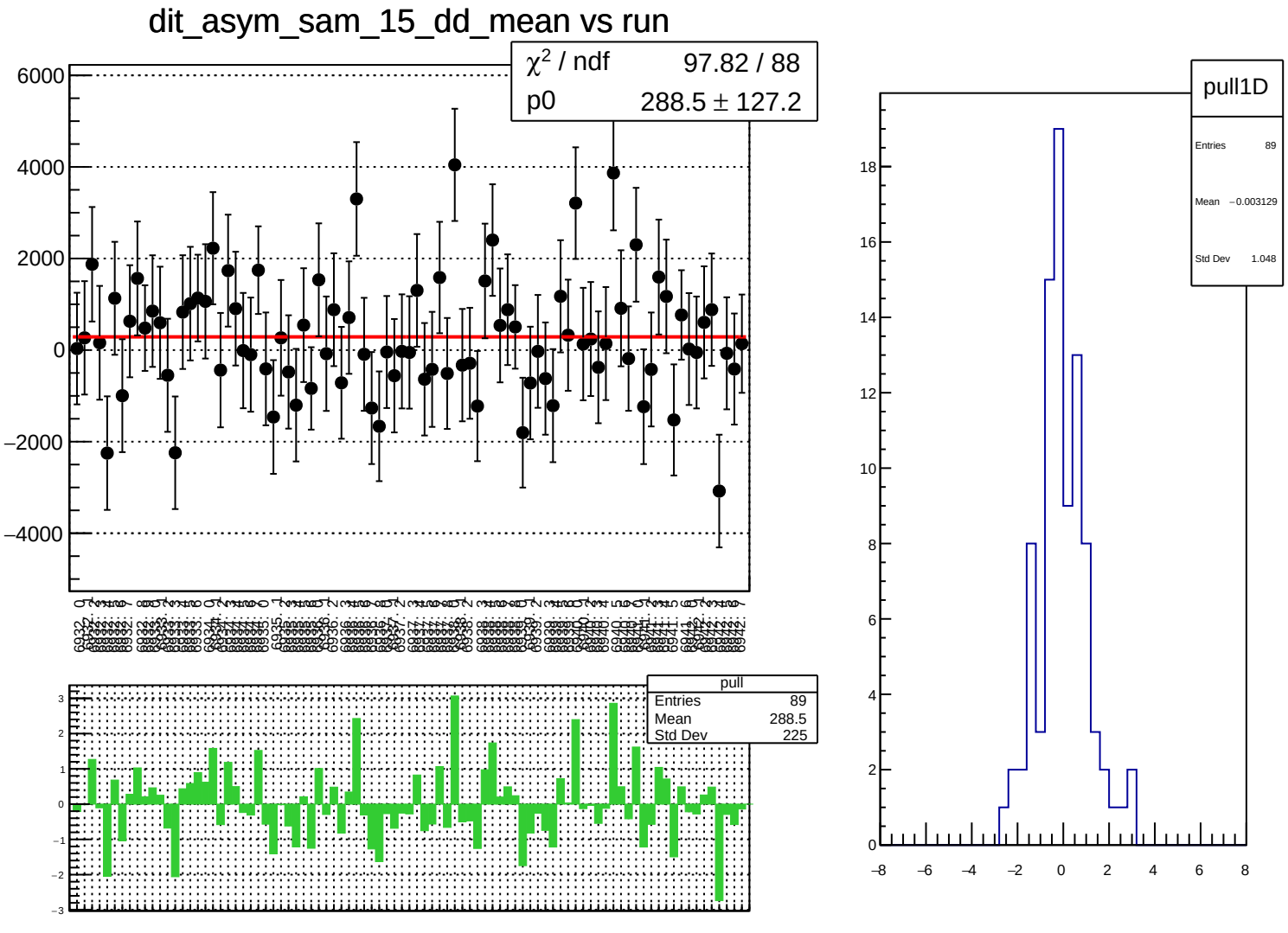



asym_sam_48_avg_correction_mean vs run
χ² / ndf 67.95 / 88
p0 826.9 ± 1462
pull
Entries 89
Mean 4.732e+05
Std Dev 4.732e+05
pull1D
Entries 89
Mean −6.739e−06
Std Dev 0.8738

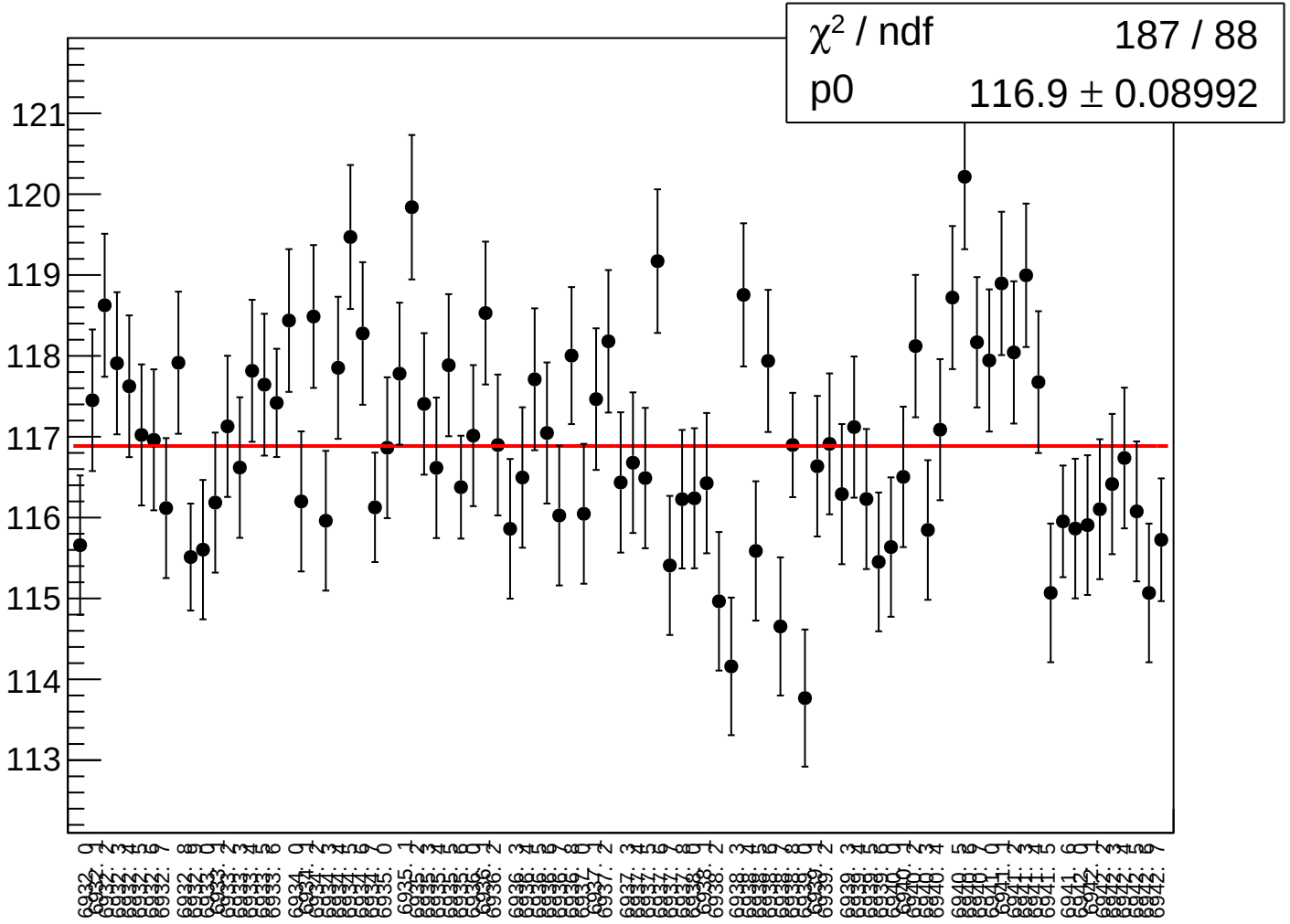

asym_sam_48_avg_correction_rms vs run
χ² / ndf 6880 / 88
p0 1341 ± 1.034
1700
1600
1500
1400
1300
1200

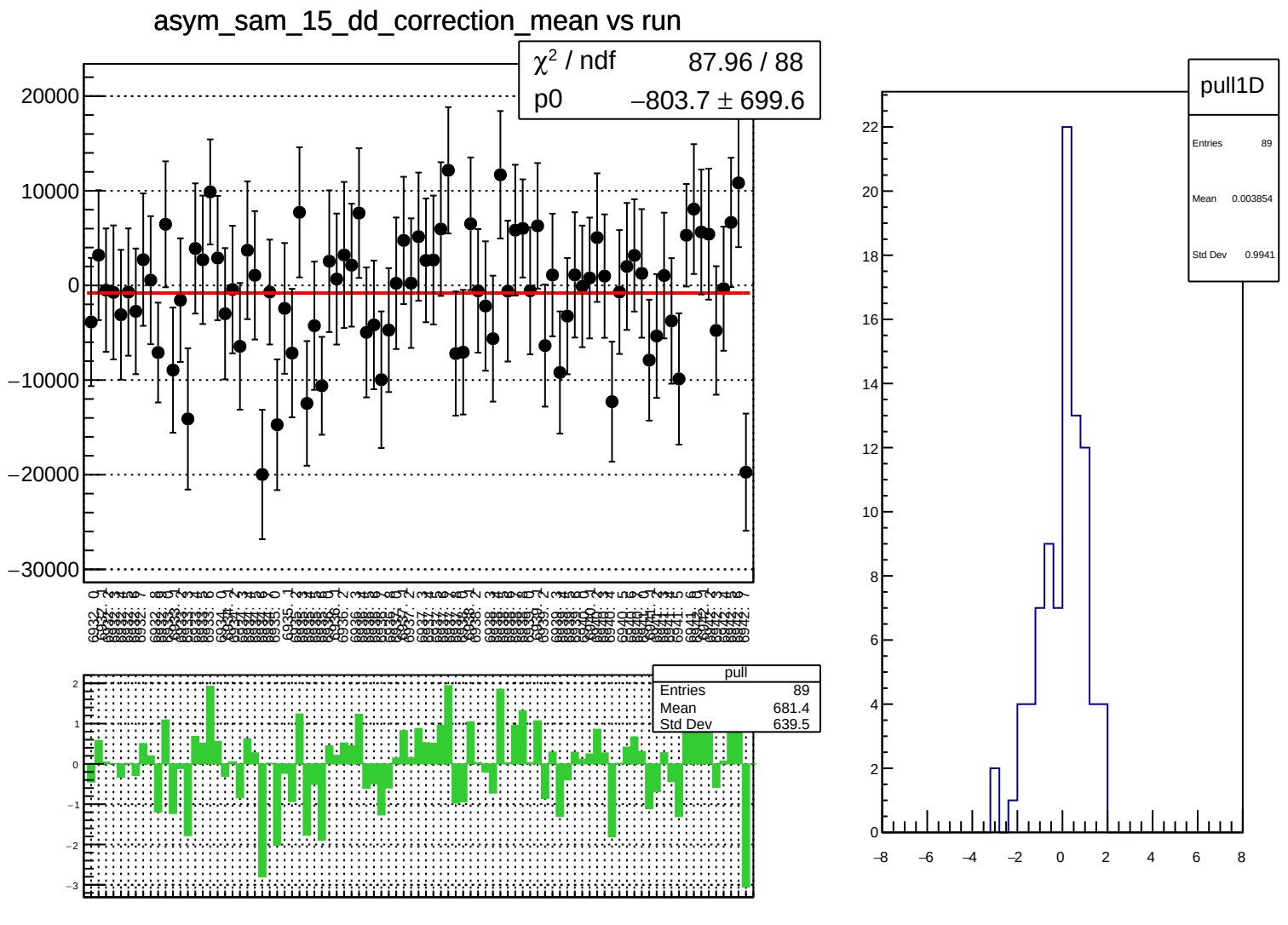

asym_sam_48_avg_mean vs run
χ² / ndf 65.6 / 88
p0 −1046 ± 1468
60000
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −5261
Std Dev 5309
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 89
Mean −0.0005741
Std Dev 0.8585
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_rms vs run
χ² / ndf 7662 / 88
p0 1346 ± 1.038
1700
1600
1500
1400
1300
1200

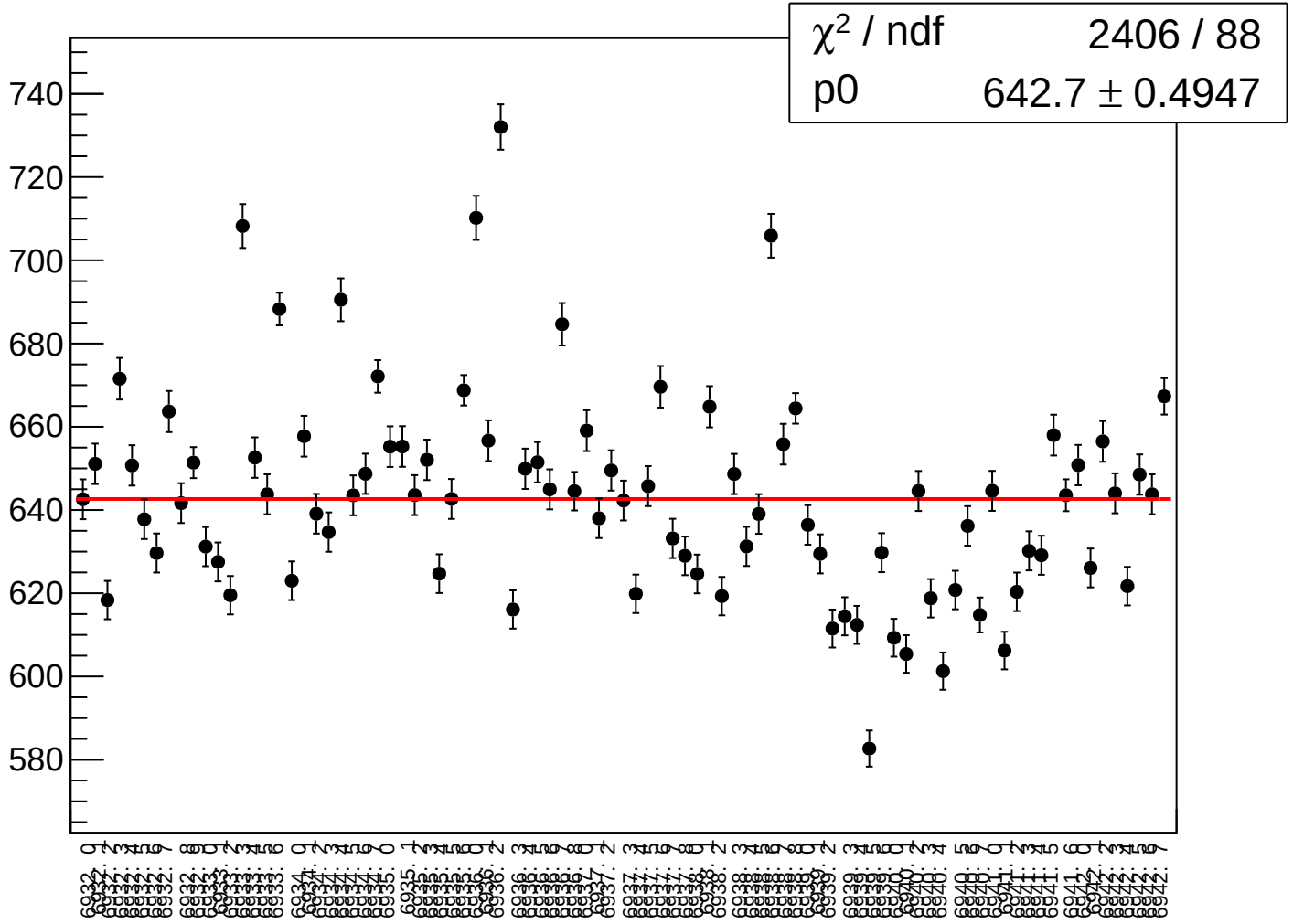

dit_asym_sam_15_dd_mean vs run
χ² / ndf 97.82 / 88
p0 288.5 ± 127.2
pull
Entries 89
Mean 288.5
Std Dev 225
pull1D
Entries 89
Mean −0.003129
Std Dev 1.048

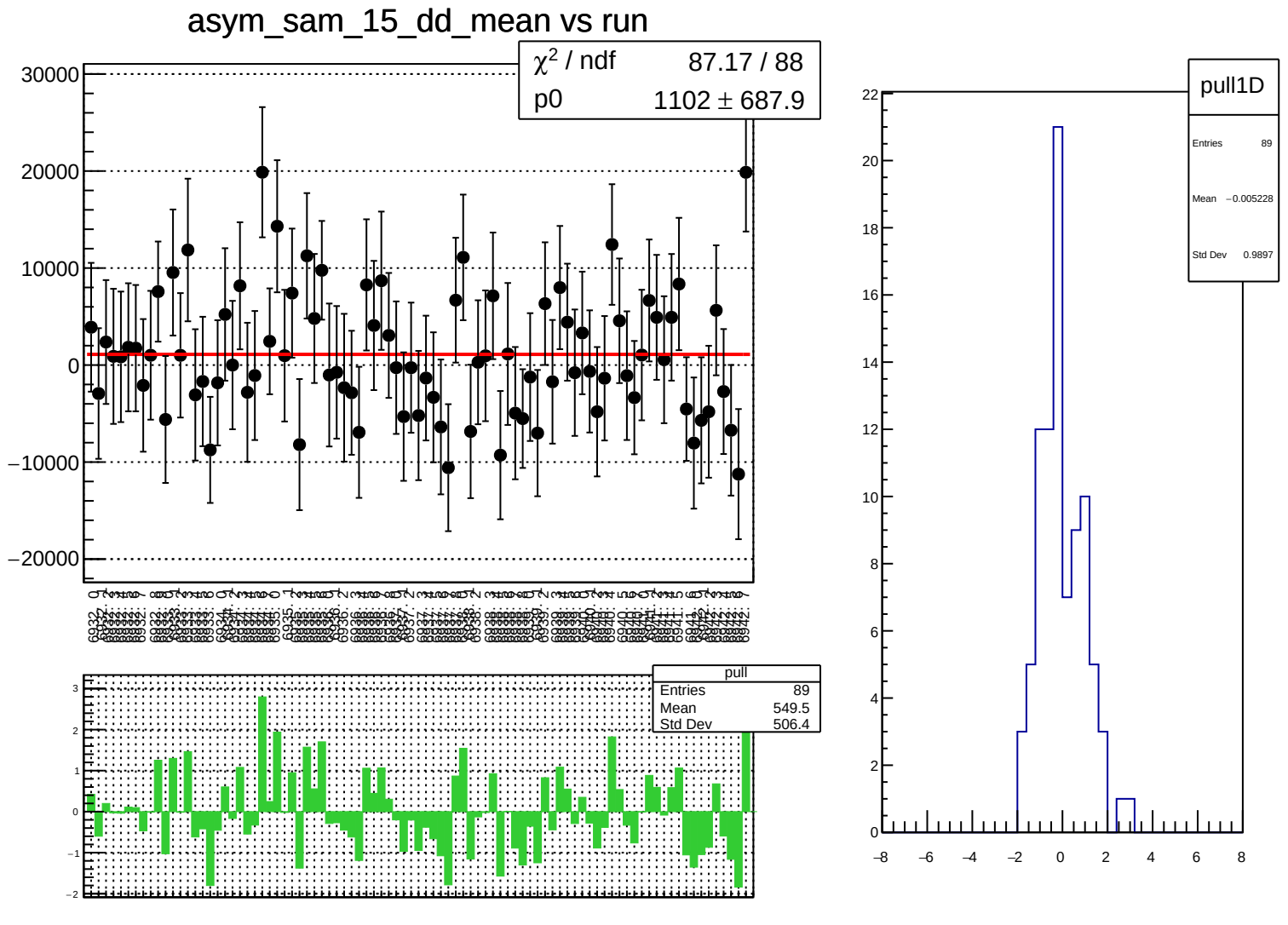
dit_asym_sam_15_dd_rms vs run



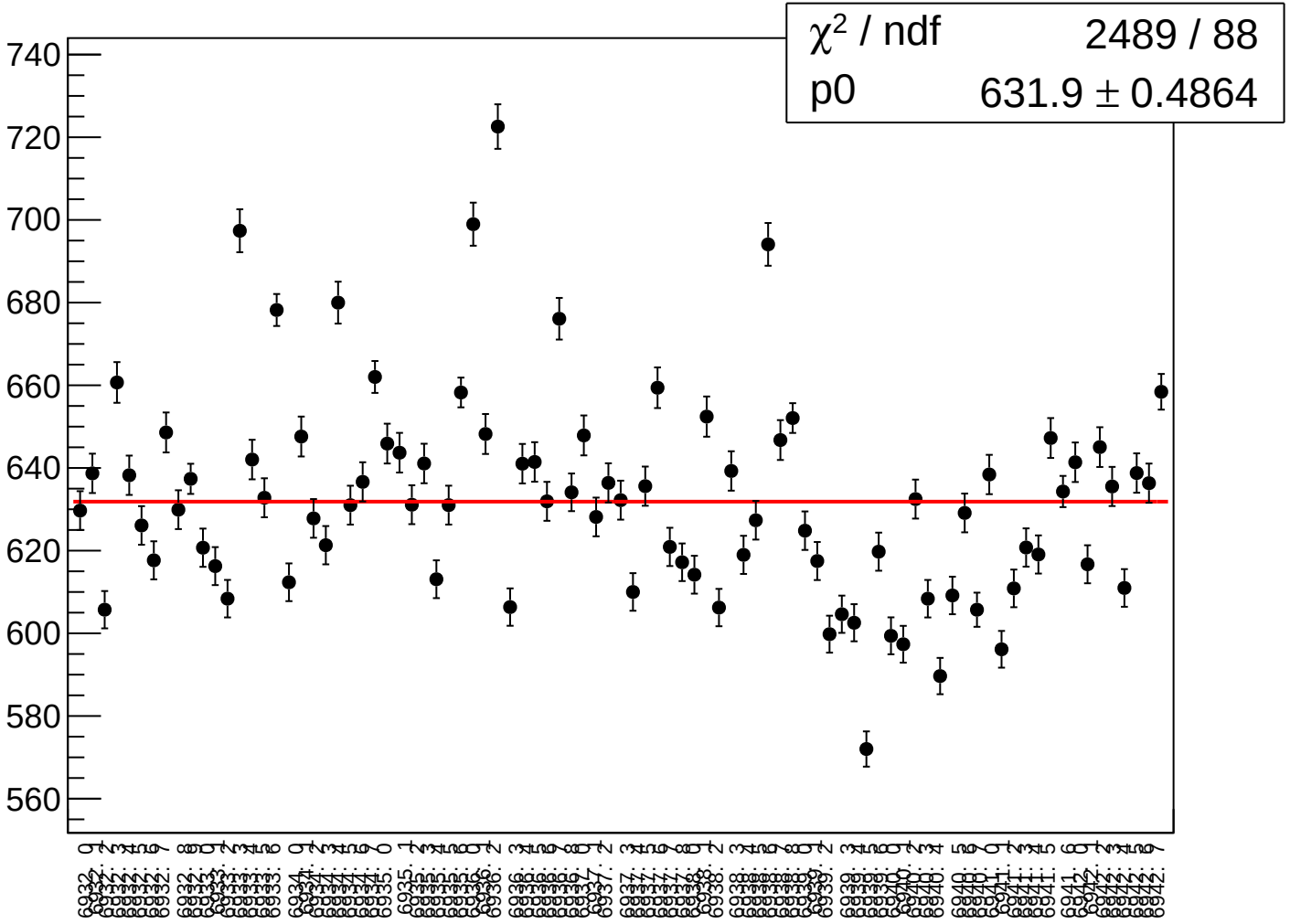

asym_sam_15_dd_correction_mean vs run
χ² / ndf 87.96 / 88
p0 −803.7 ± 699.6
pull
Entries 89
Mean 681.4
Std Dev 639.5
pull1D
Entries 89
Mean 0.003854
Std Dev 0.9941

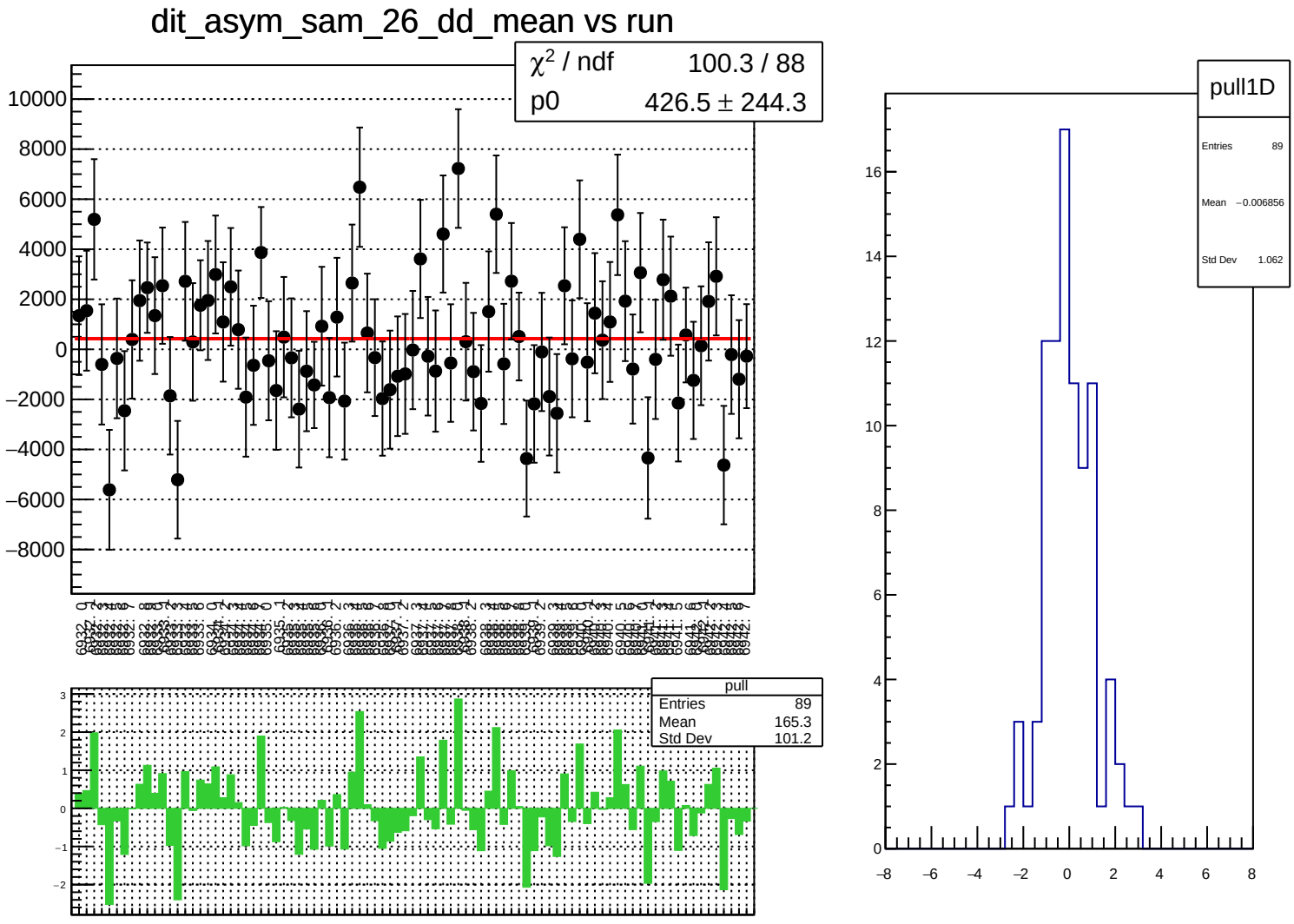
asym_sam_15_dd_correction_rms vs run



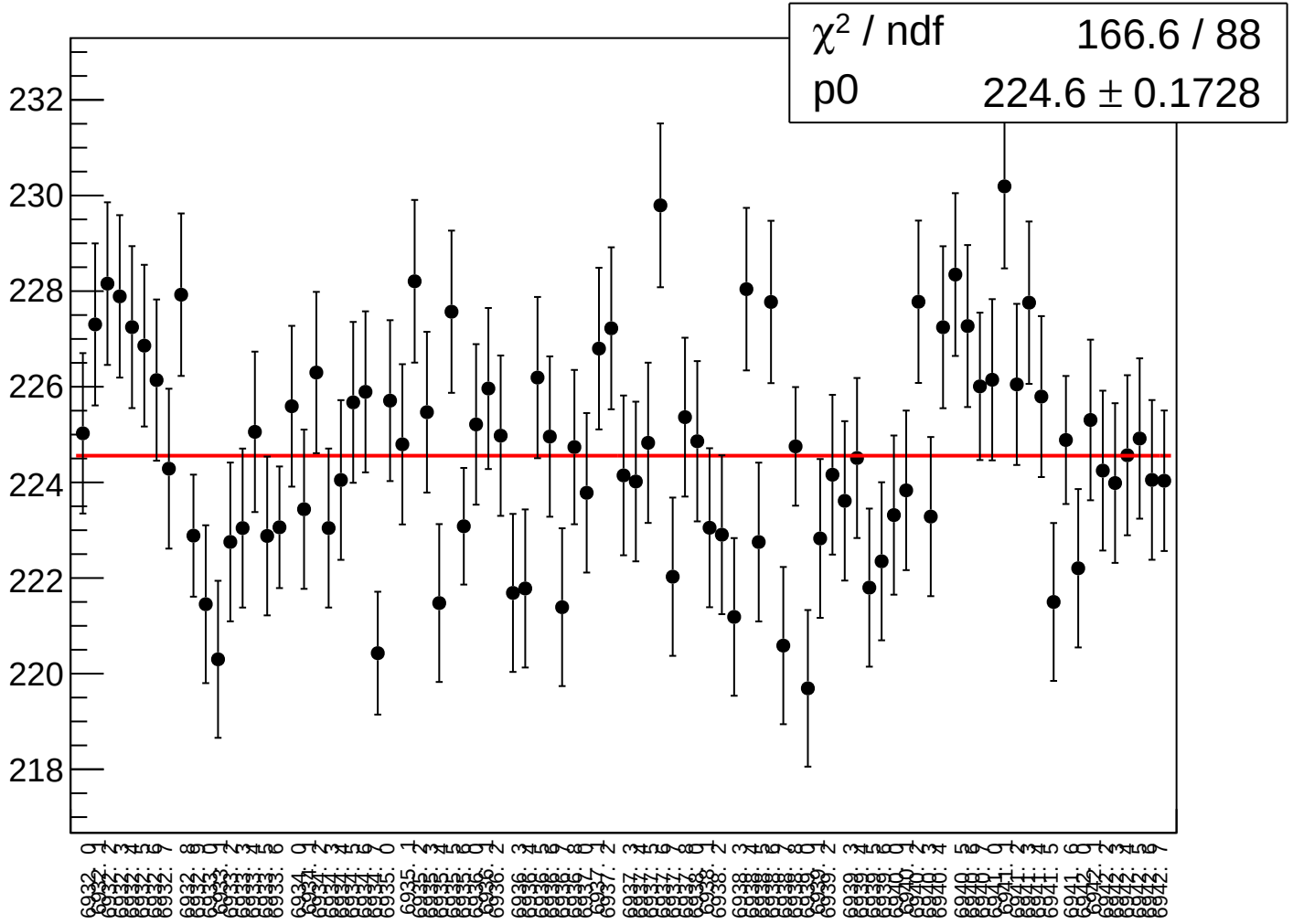

asym_sam_15_dd_mean vs run
χ² / ndf 87.17 / 88
p0 1102 ± 687.9
pull
Entries 89
Mean 549.5
Std Dev 506.4
pull1D
Entries 89
Mean −0.005228
Std Dev 0.9897

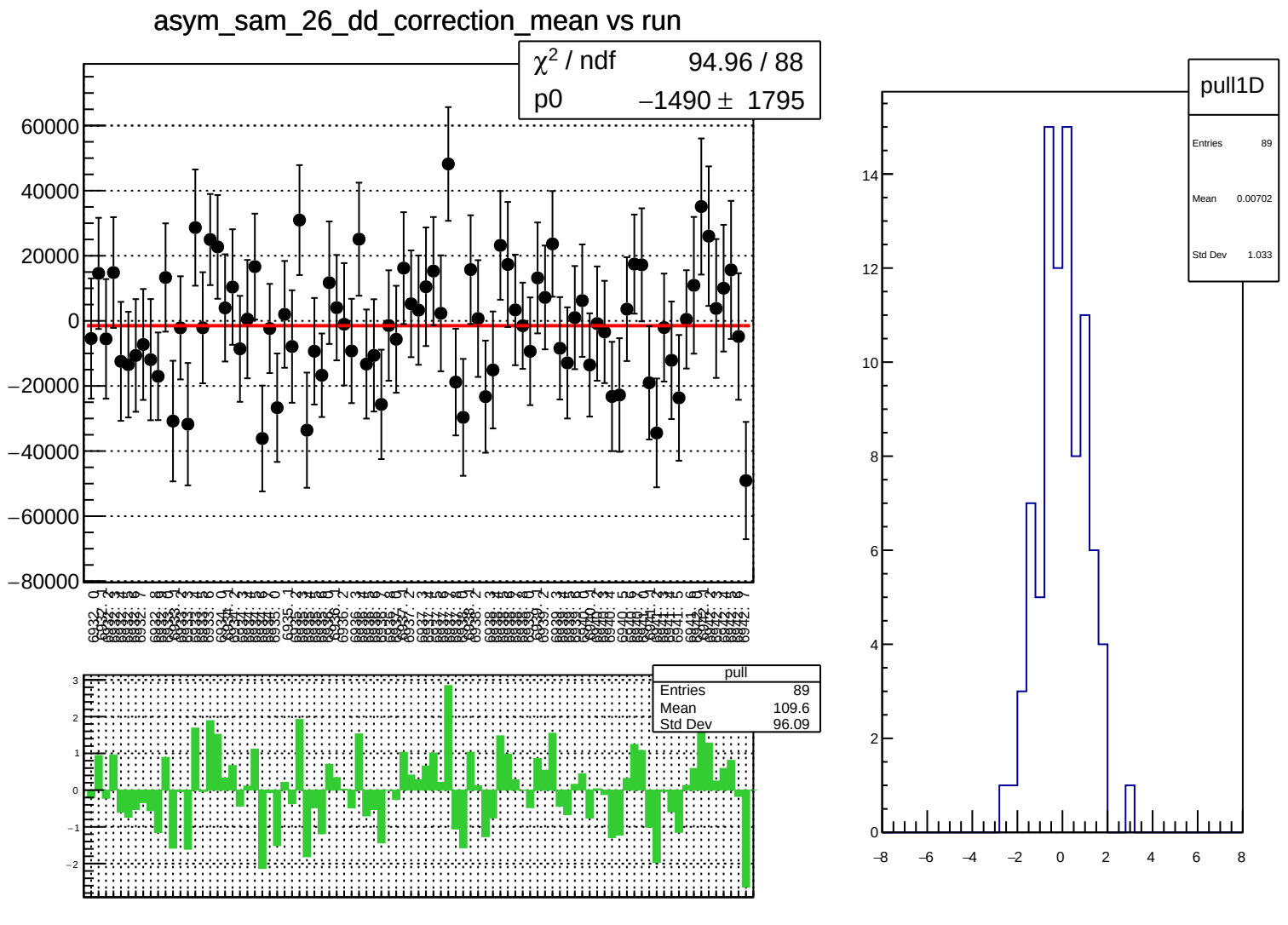
asym_sam_15_dd_rms vs run



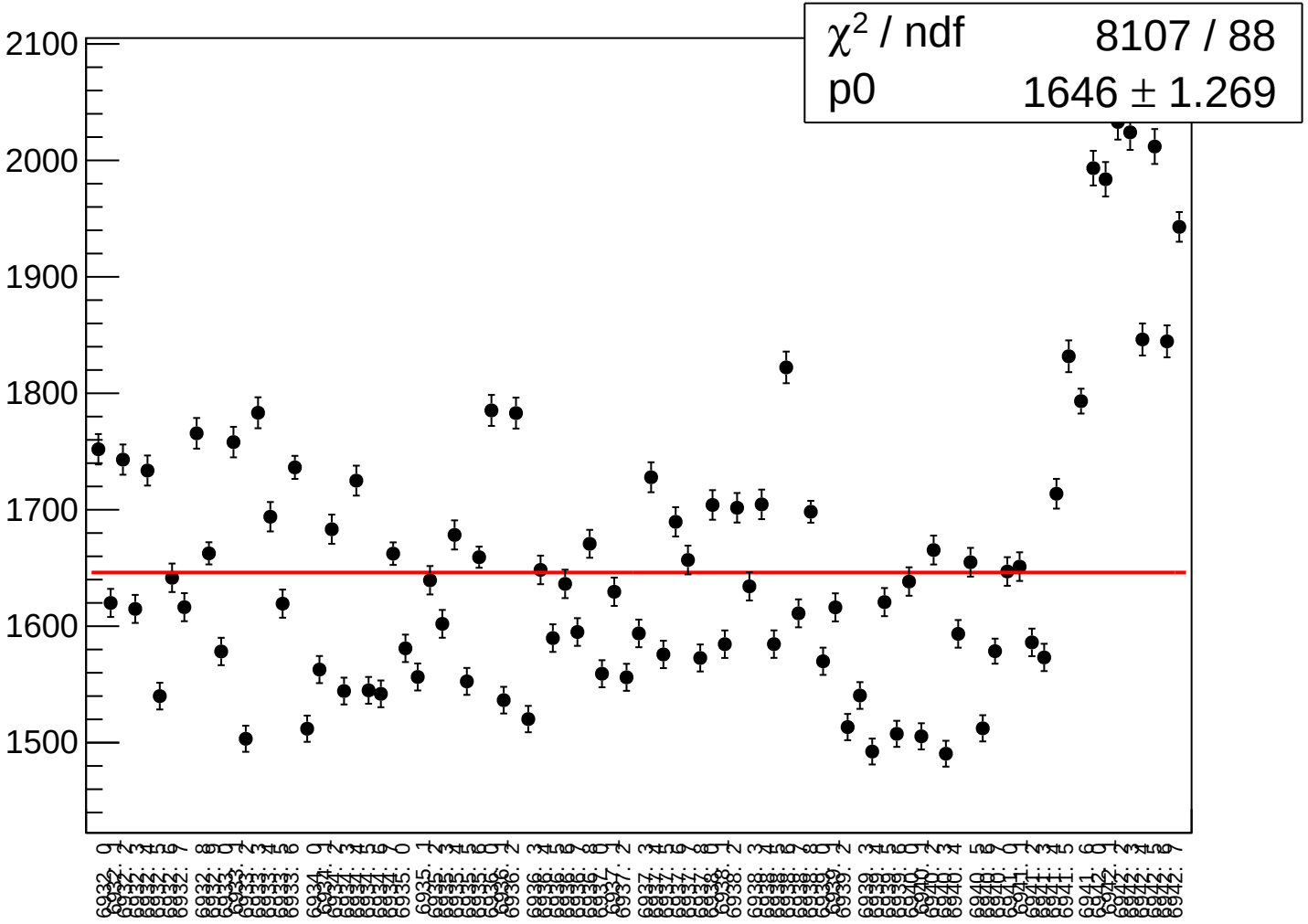

dit_asym_sam_26_dd_mean vs run
χ² / ndf 100.3 / 88
p0 426.5 ± 244.3
pull
Entries 89
Mean 165.3
Std Dev 101.2
pull1D
Entries 89
Mean −0.006856
Std Dev 1.062

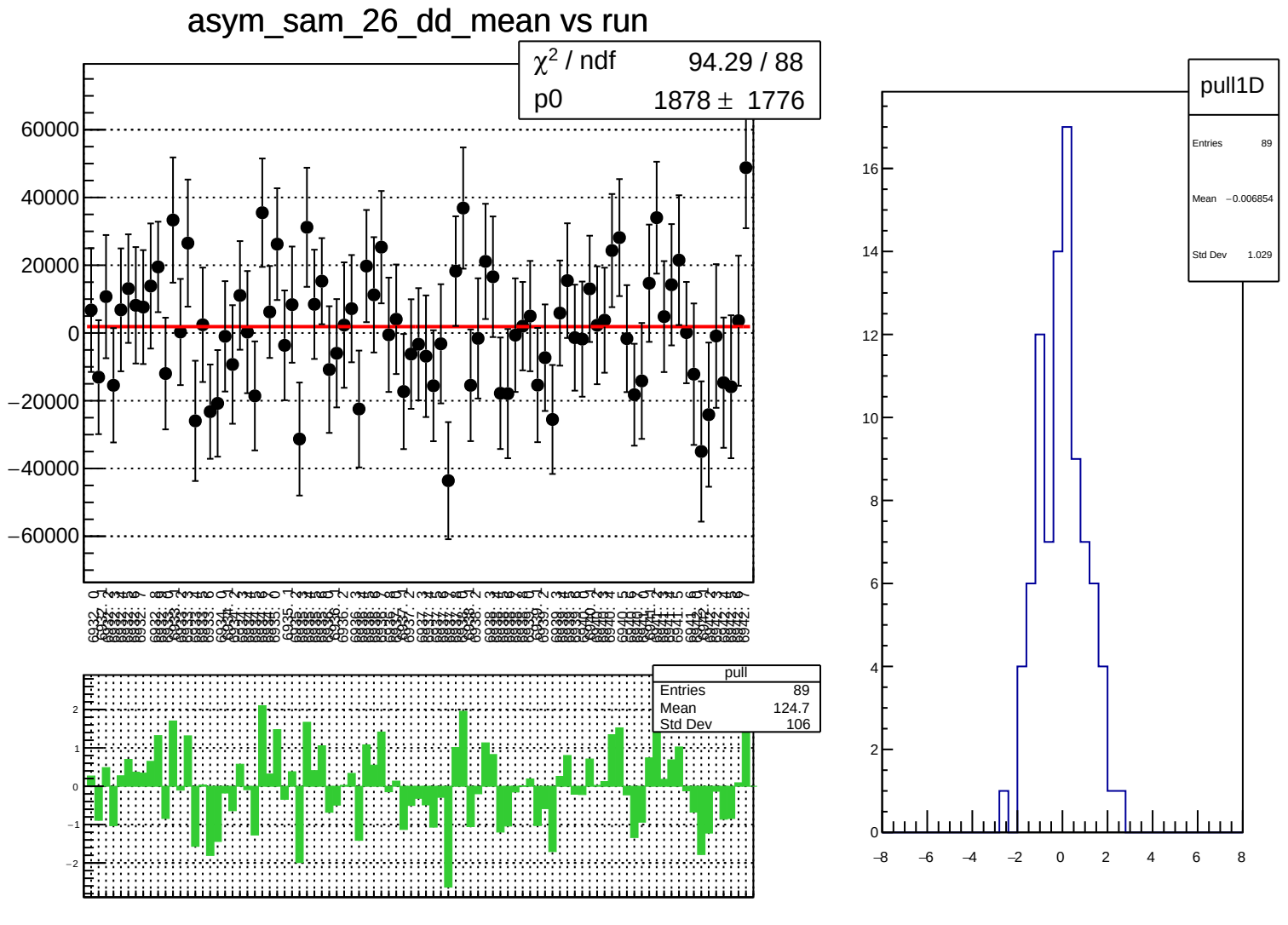
dit_asym_sam_26_dd_rms vs run

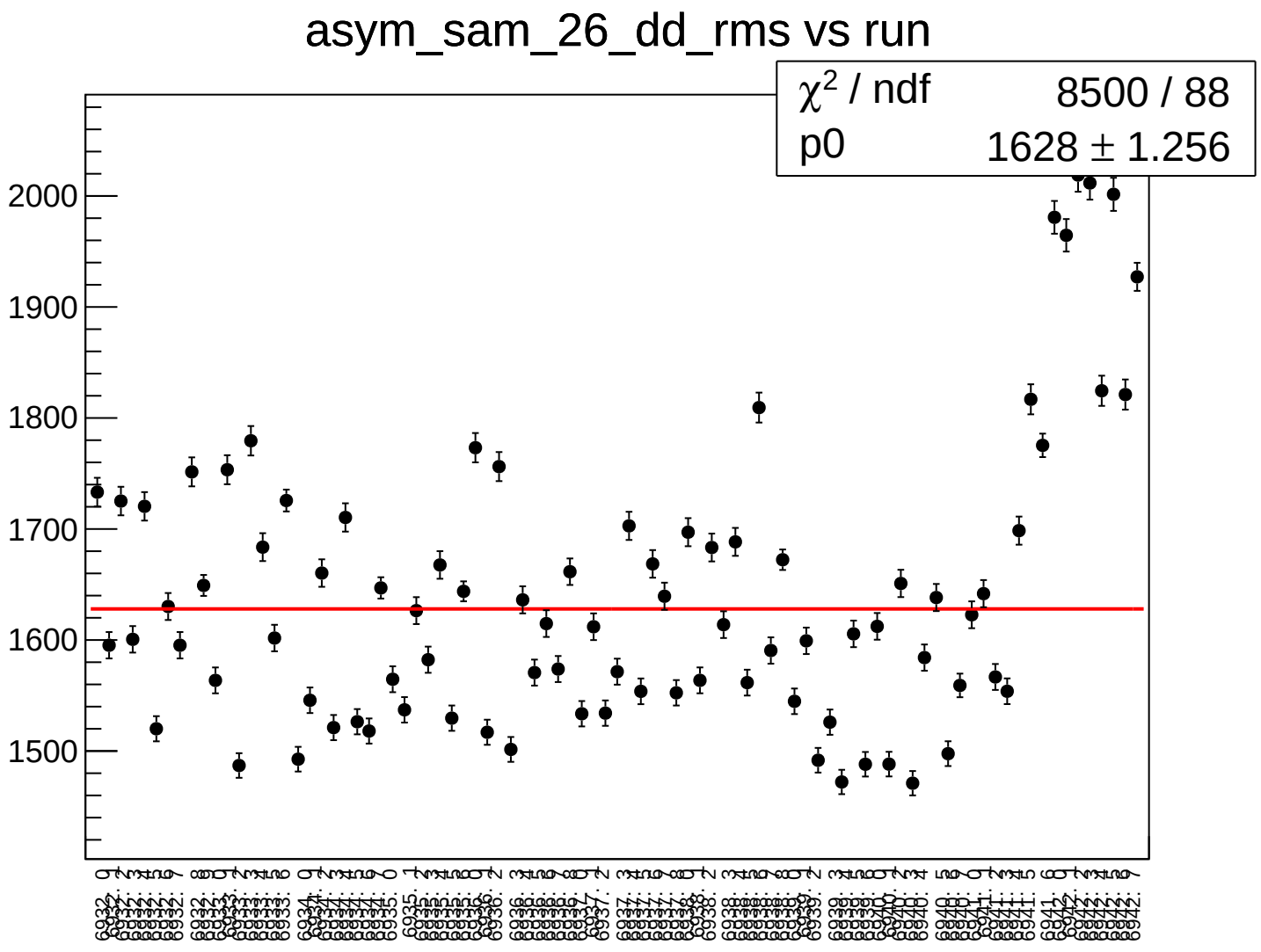


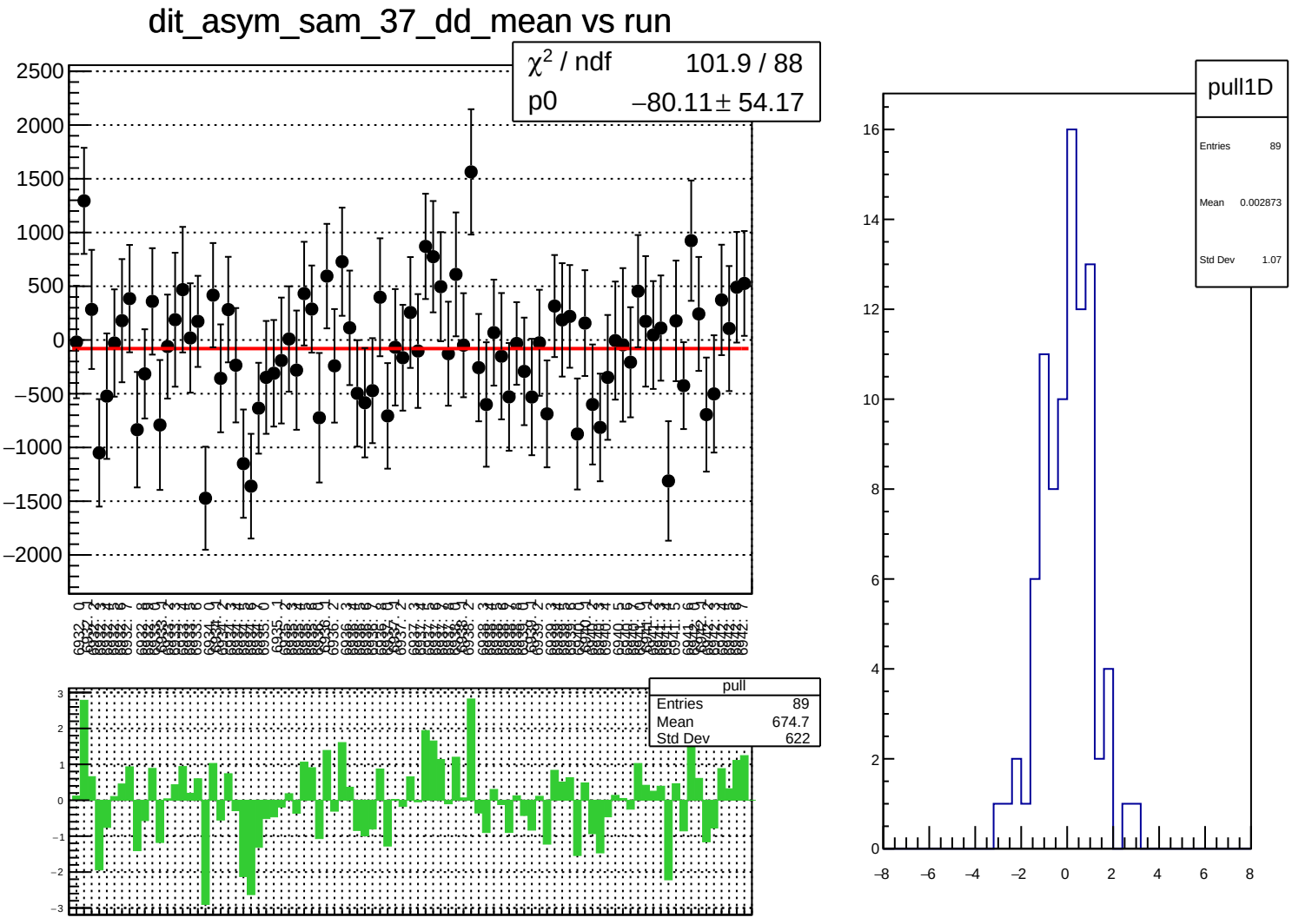

asym_sam_26_dd_correction_mean vs run
χ² / ndf 94.96 / 88
p0 −1490 ± 1795
pull
Entries 89
Mean 109.6
Std Dev 96.09
pull1D
Entries 89
Mean 0.00702
Std Dev 1.033

asym_sam_26_dd_correction_rms vs run

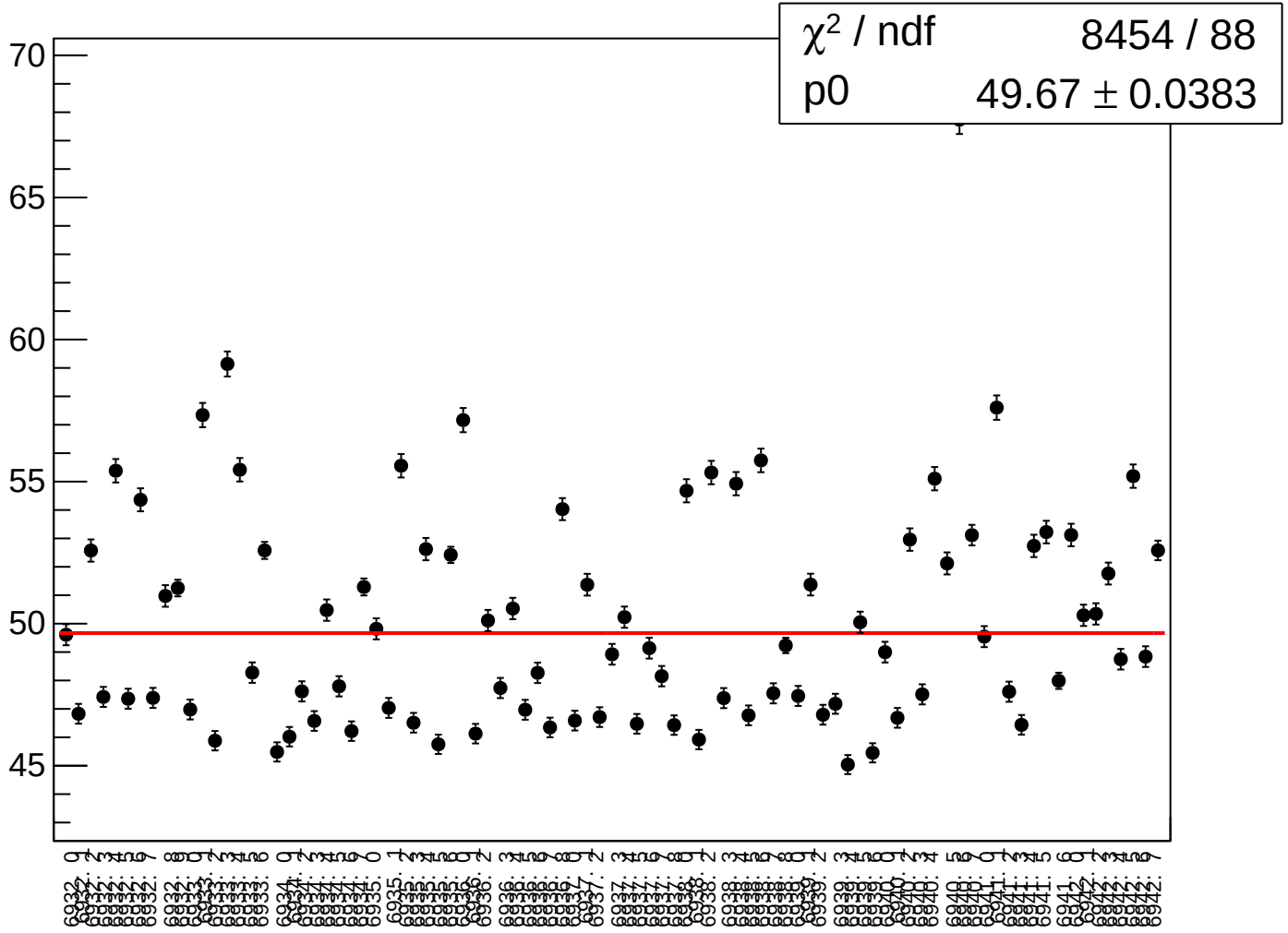


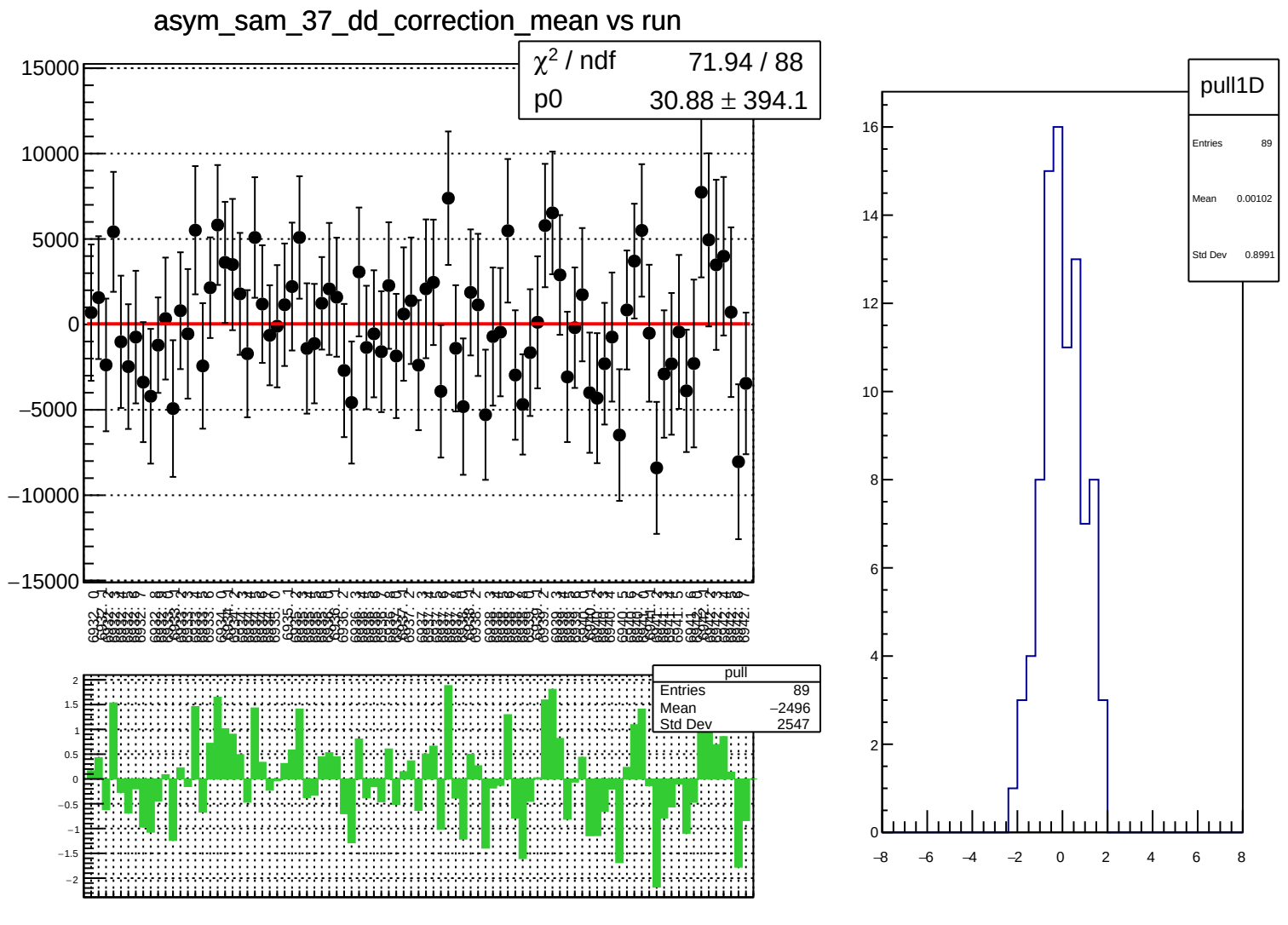

asym_sam_26_dd_mean vs run
χ^2 / ndf 94.29 / 88
p0 1878 ± 1776
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 124.7
Std Dev 106
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.006854
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

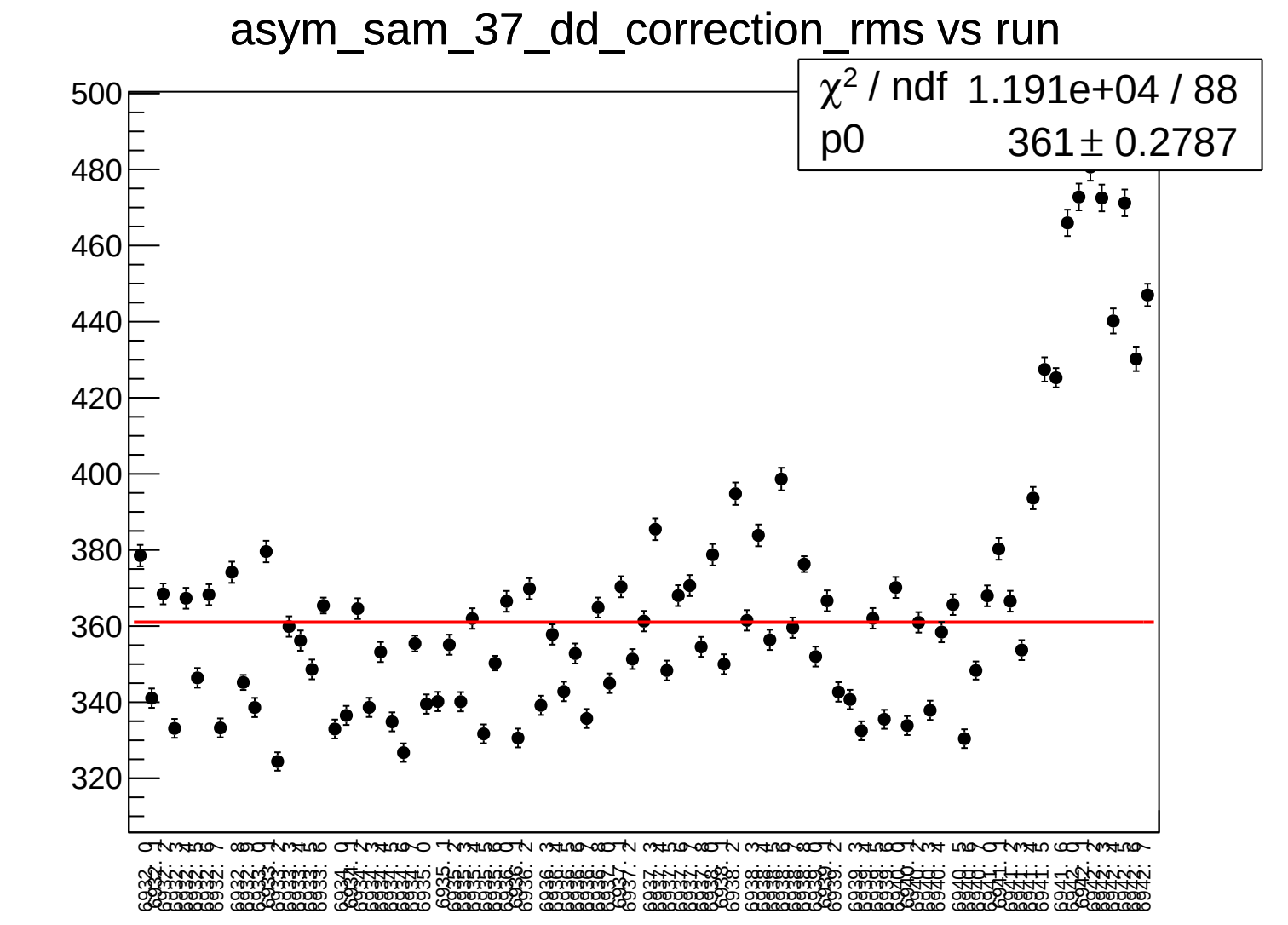

asym_sam_26_dd_rms vs run
χ^2 / ndf 8500 / 88
p0 1628 ± 1.256
2000
1900
1800
1700
1600
1500

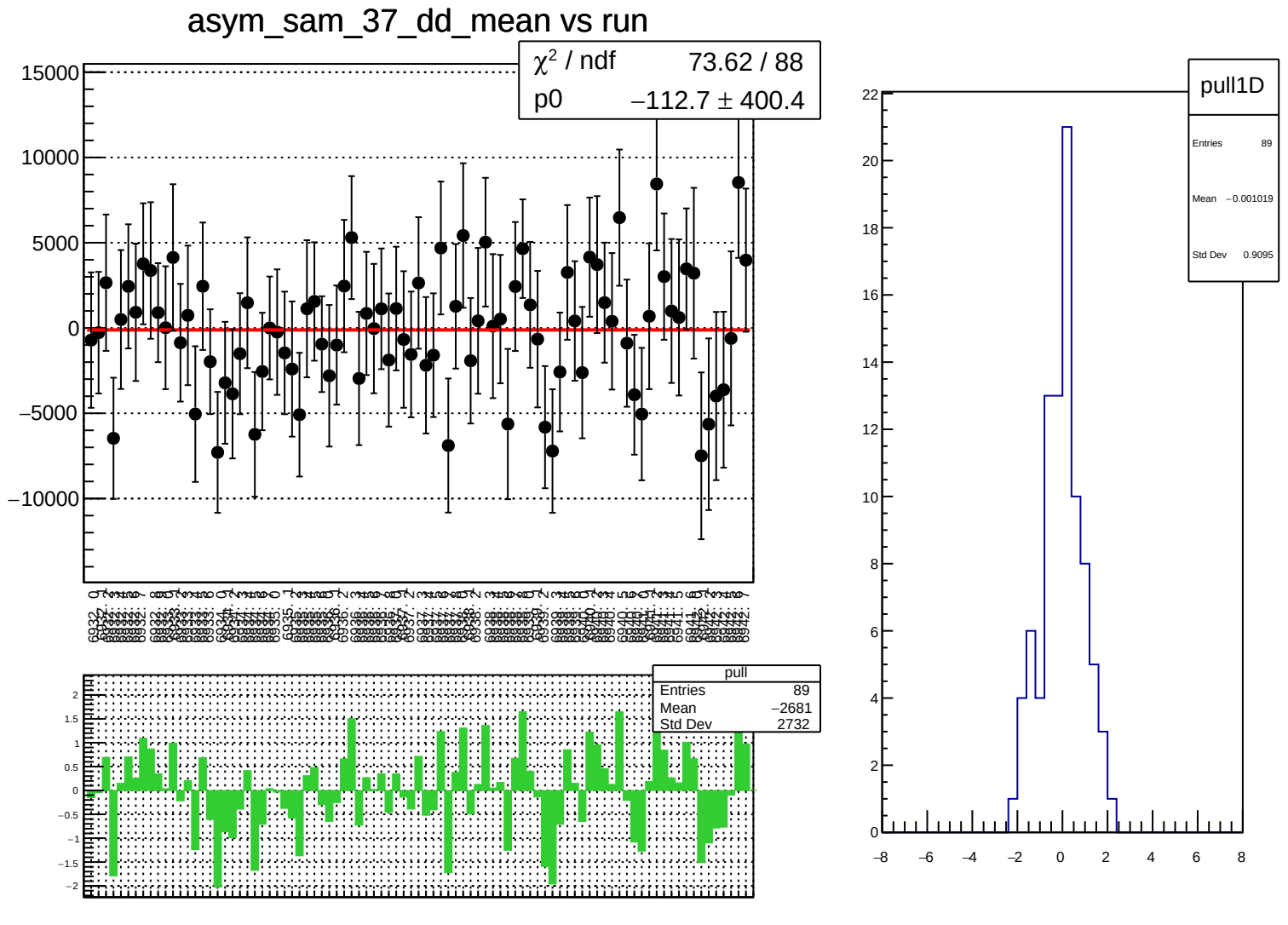

dit_asym_sam_37_dd_mean vs run
χ² / ndf 101.9 / 88
p0 −80.11 ± 54.17
pull
Entries 89
Mean 674.7
Std Dev 622
pull1D
Entries 89
Mean 0.002873
Std Dev 1.07

dit_asym_sam_37_dd_rms vs run

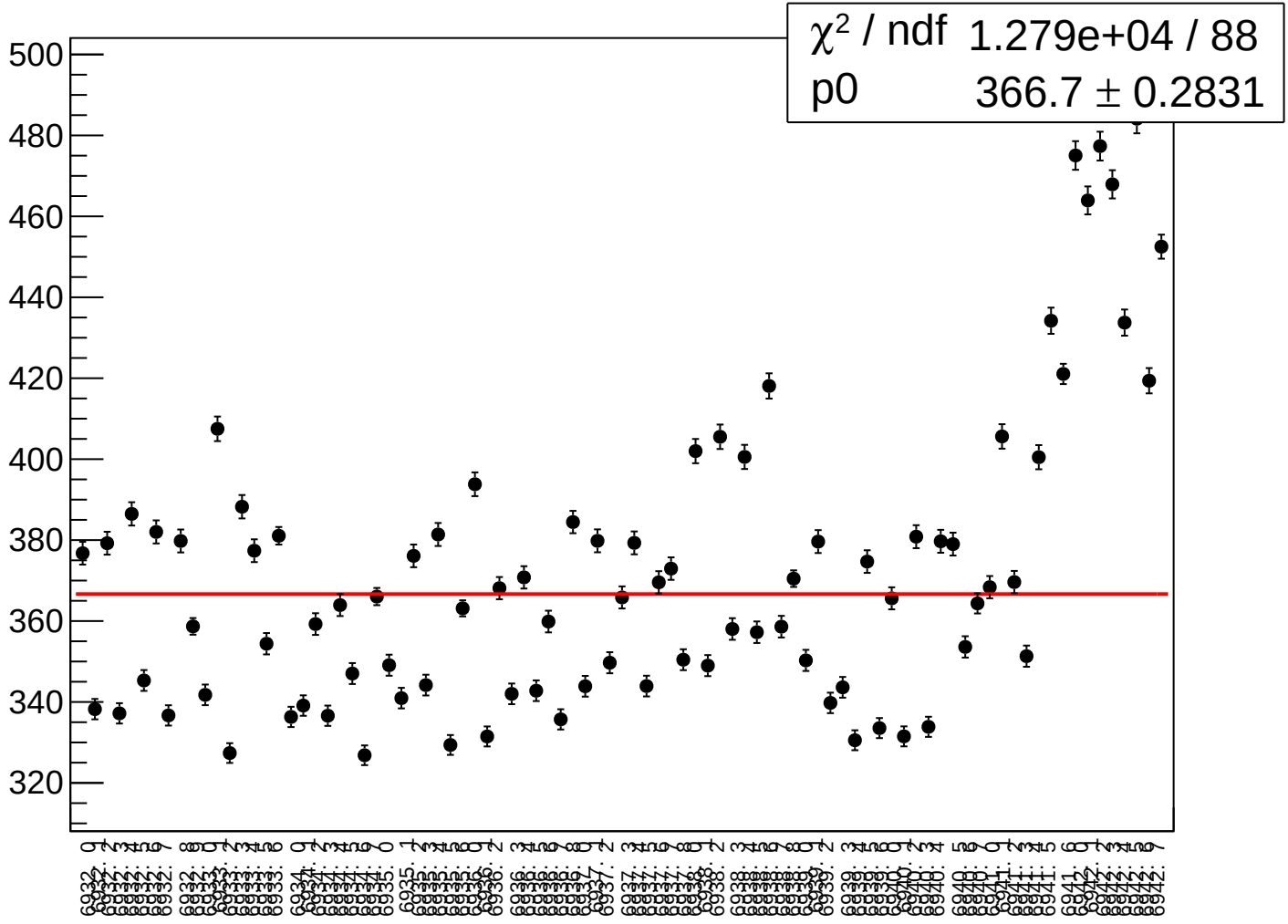


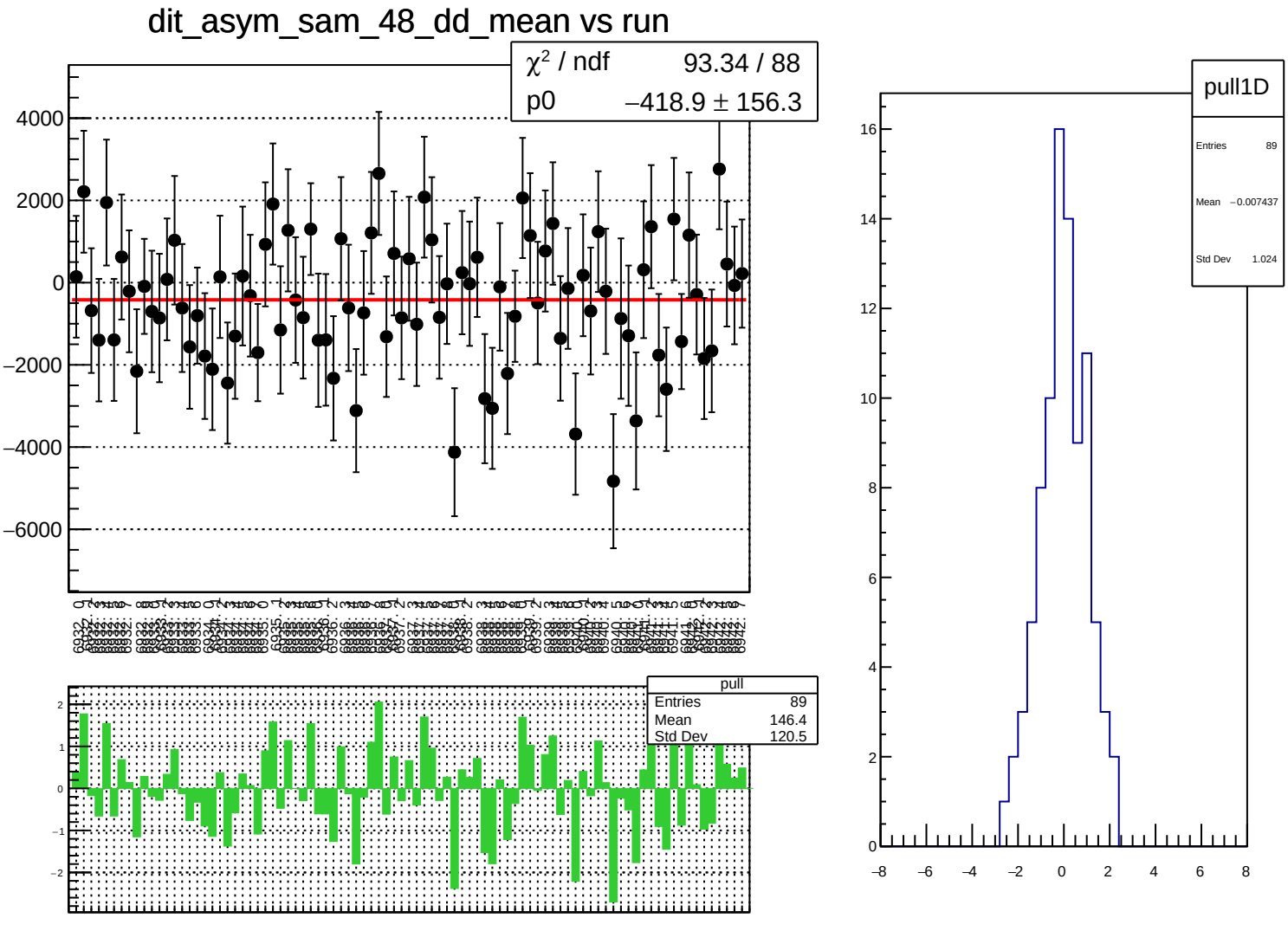

asym_sam_37_dd_correction_mean vs run
χ² / ndf 71.94 / 88
p0 30.88 ± 394.1
pull
Entries 89
Mean −2496
Std Dev 2547
pull1D
Entries 89
Mean 0.00102
Std Dev 0.8991


asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 1.191e+04 / 88
p0 361 ± 0.2787
500
480
460
440
420
400
380
360
340
320

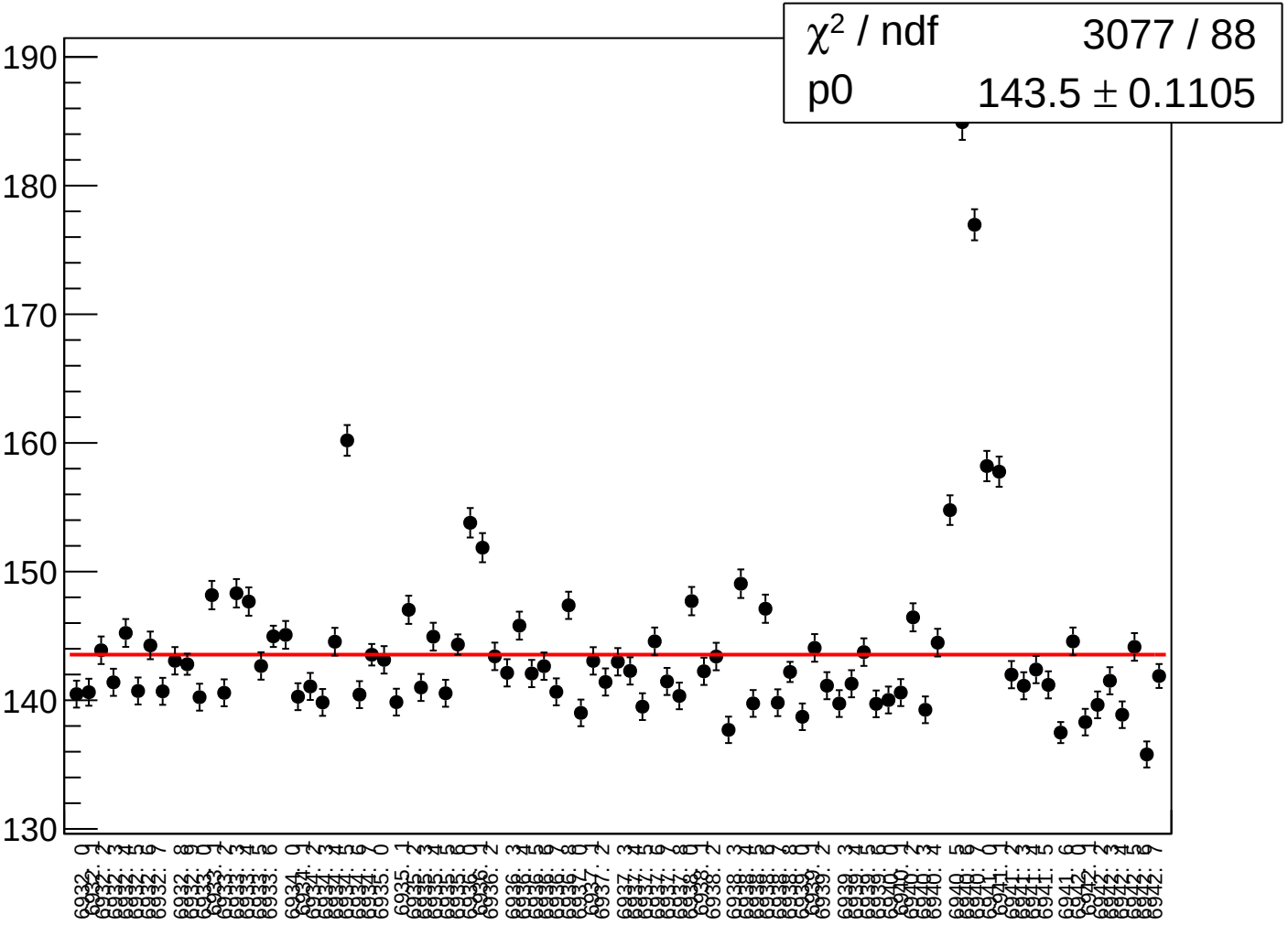

asym_sam_37_dd_mean vs run
χ² / ndf 73.62 / 88
p0 −112.7 ± 400.4
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −2681
Std Dev 2732
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.001019
Std Dev 0.9095
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

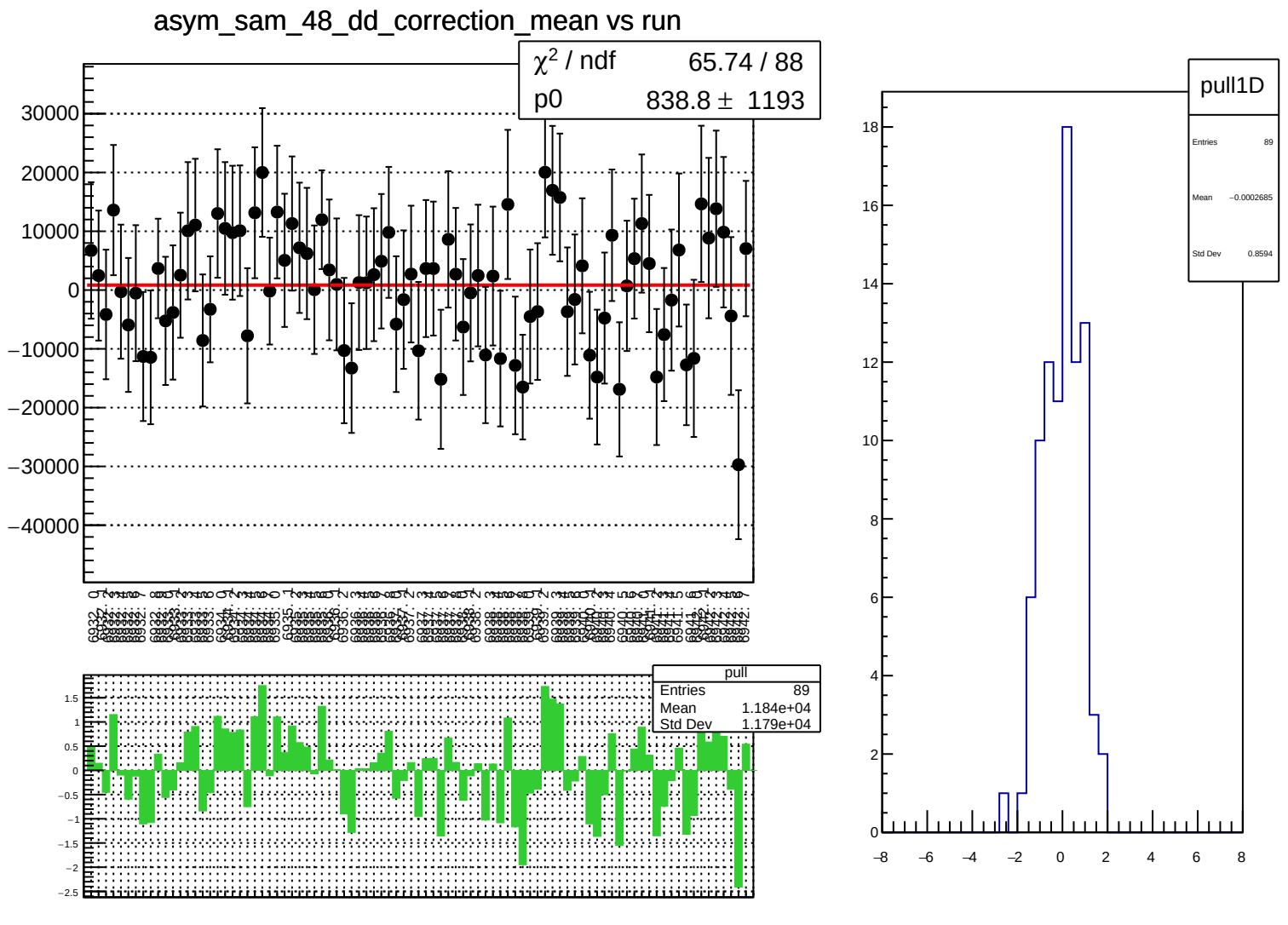
asym_sam_37_dd_rms vs run



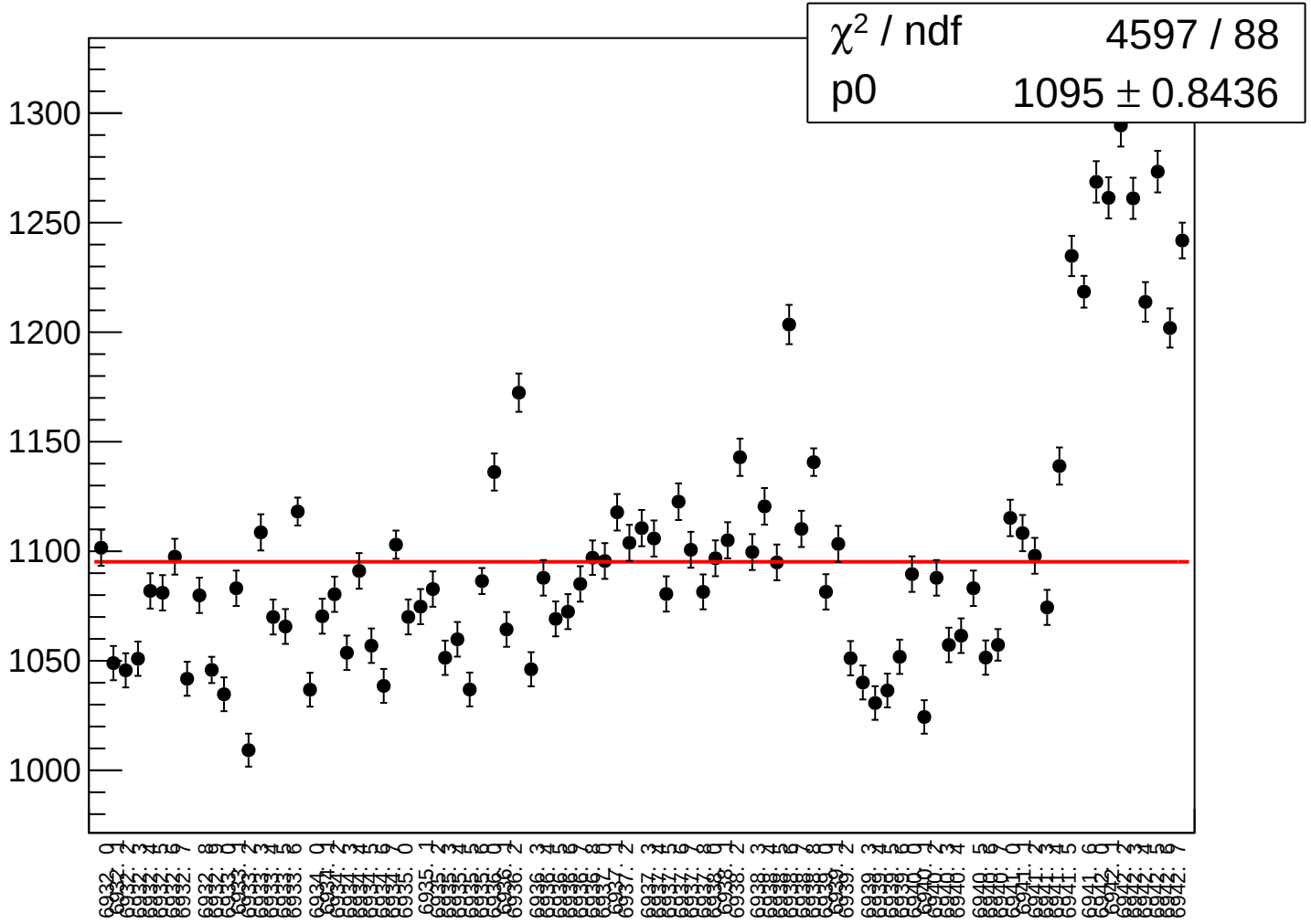

dit_asym_sam_48_dd_mean vs run
χ² / ndf 93.34 / 88
p0 −418.9 ± 156.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 146.4
Std Dev 120.5
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.007437
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

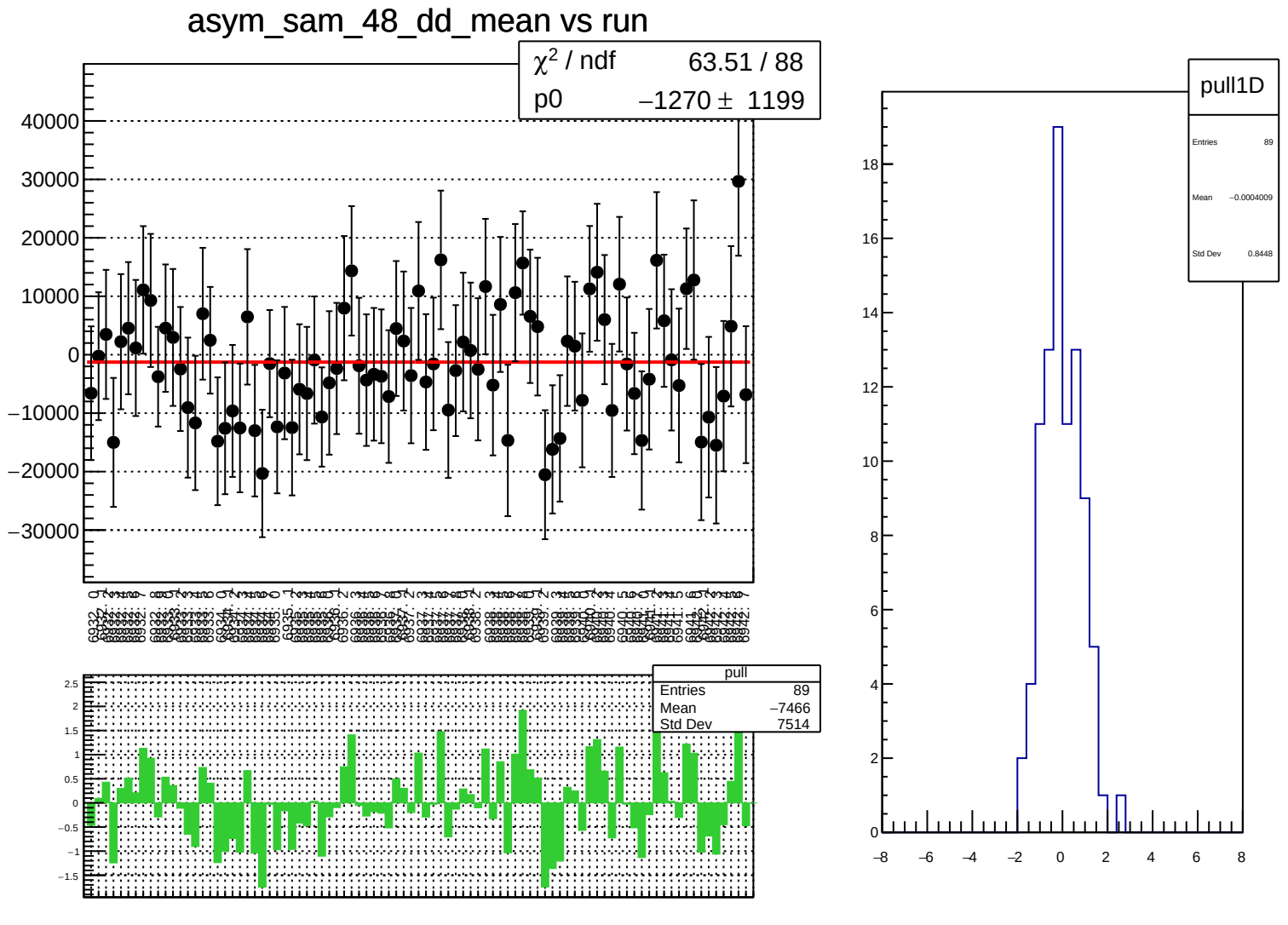
dit_asym_sam_48_dd_rms vs run



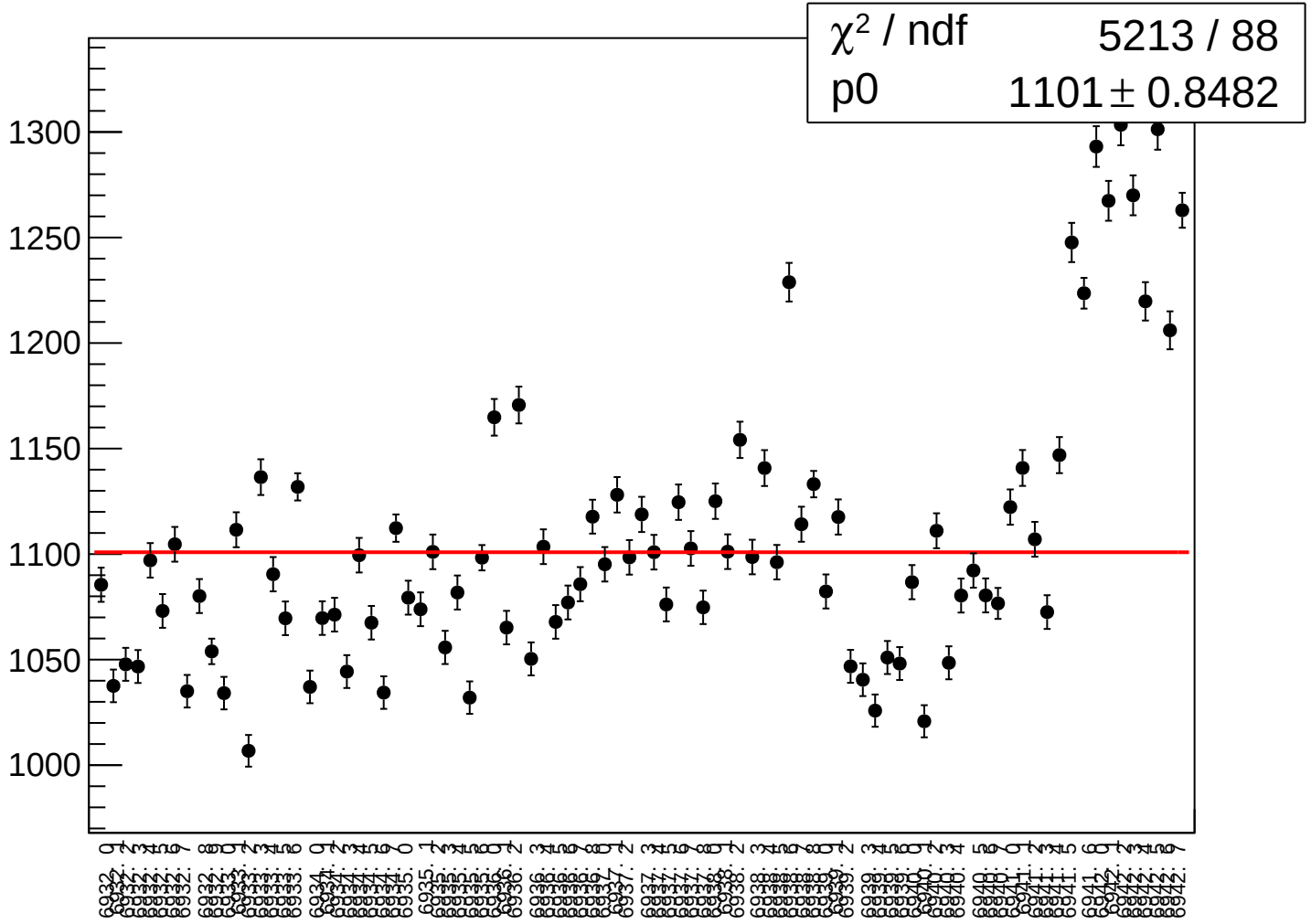

asym_sam_48_dd_correction_mean vs run
χ² / ndf 65.74 / 88
p0 838.8 ± 1193
pull
Entries 89
Mean 1.184e+04
Std Dev 1.179e+04
pull1D
Entries 89
Mean −0.0002685
Std Dev 0.8594

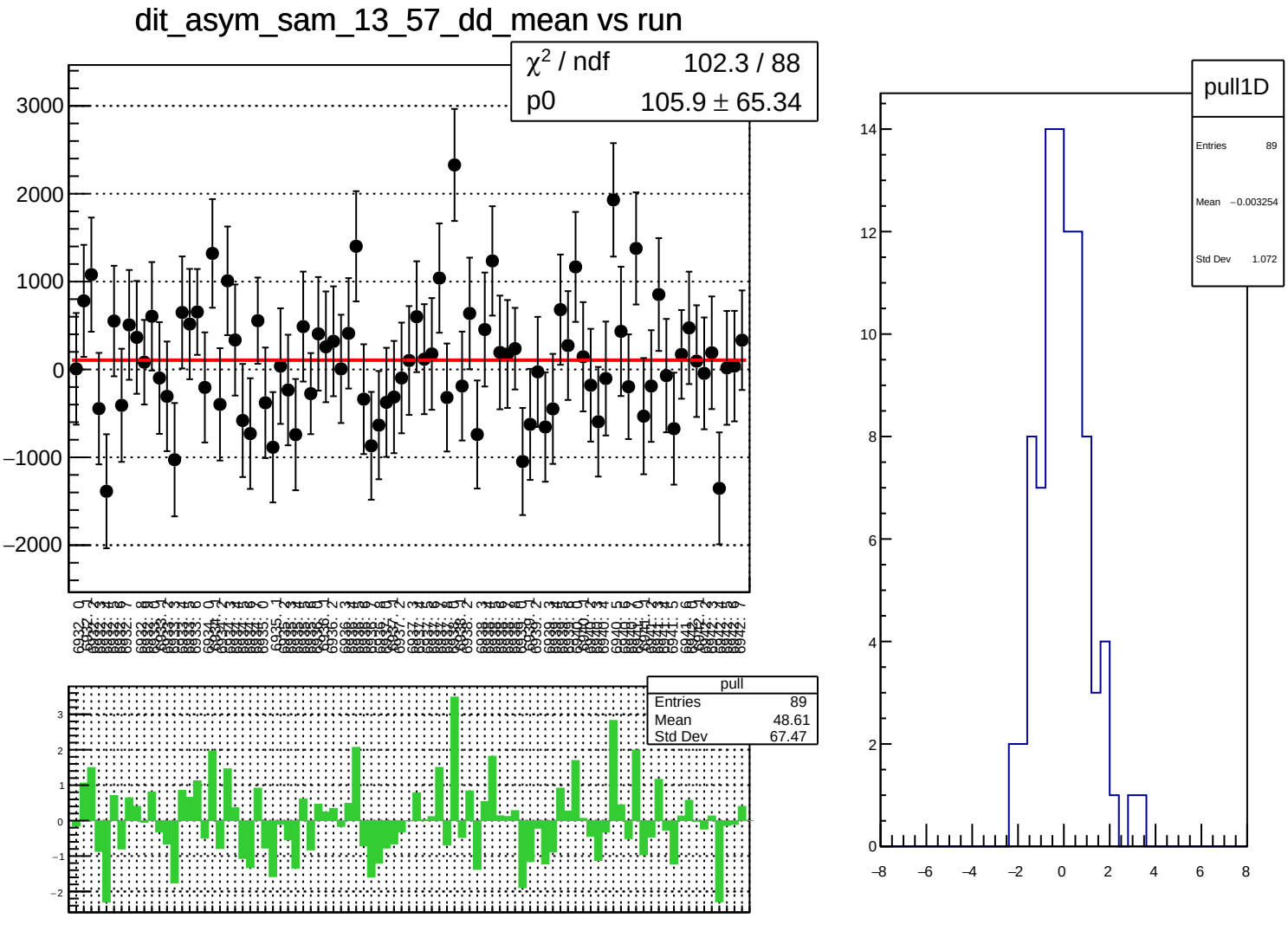
asym_sam_48_dd_correction_rms vs run



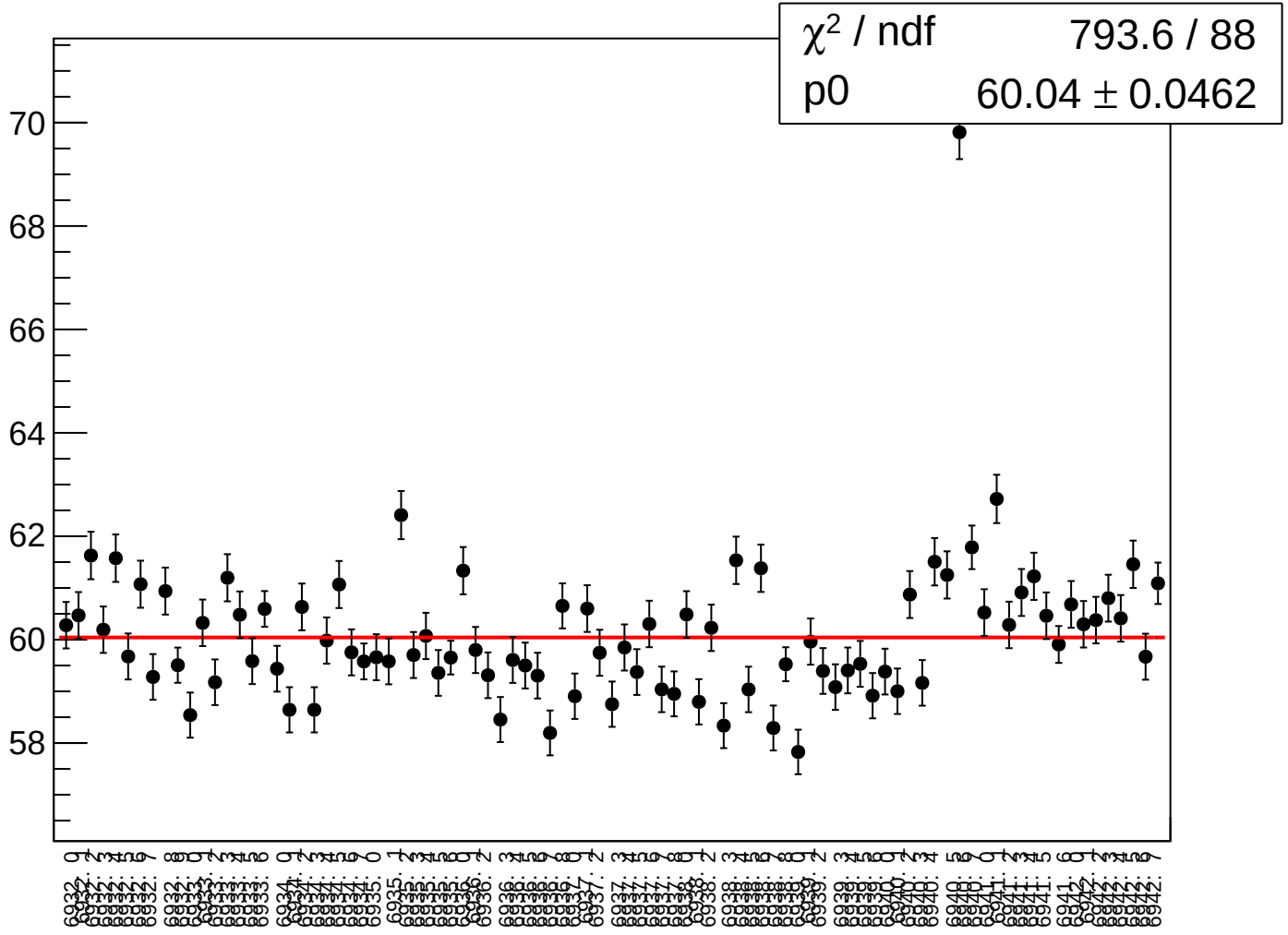

asym_sam_48_dd_mean vs run
χ² / ndf 63.51 / 88
p0 −1270 ± 1199
pull
Entries 89
Mean −7466
Std Dev 7514
pull1D
Entries 89
Mean −0.0004009
Std Dev 0.8448

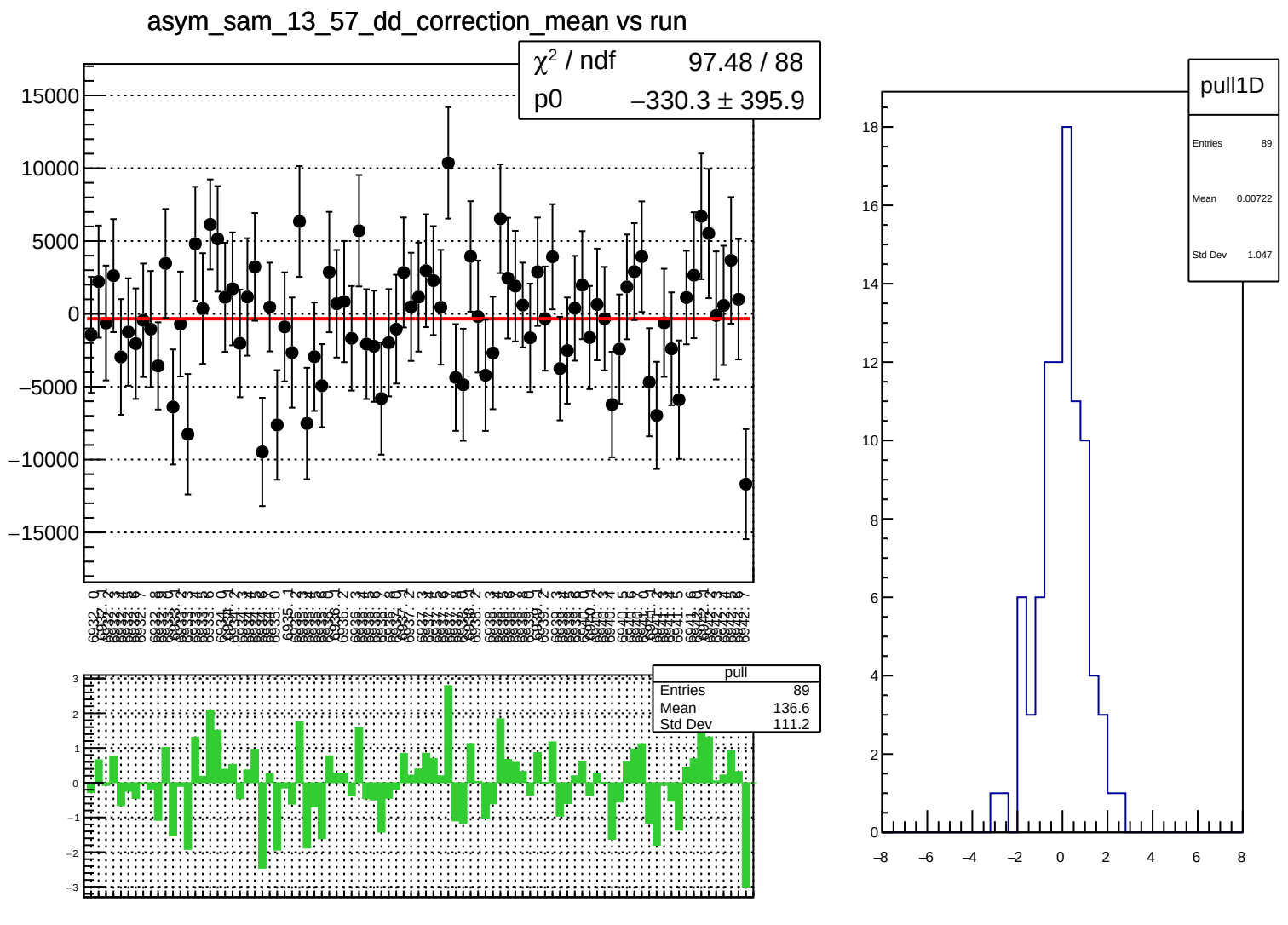
asym_sam_48_dd_rms vs run



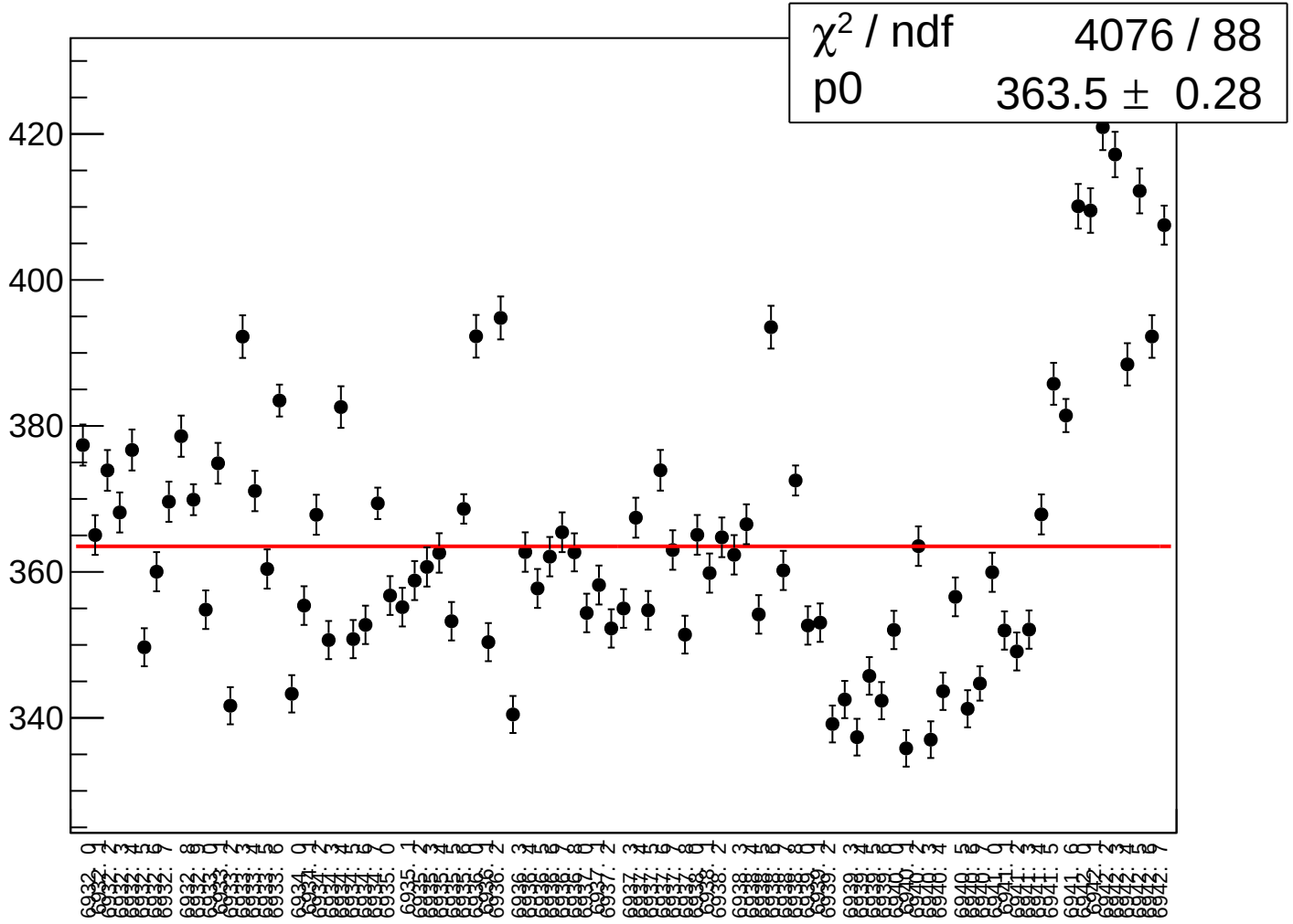

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 102.3 / 88
p0 105.9 ± 65.34
pull
Entries 89
Mean 48.61
Std Dev 67.47
pull1D
Entries 89
Mean −0.003254
Std Dev 1.072

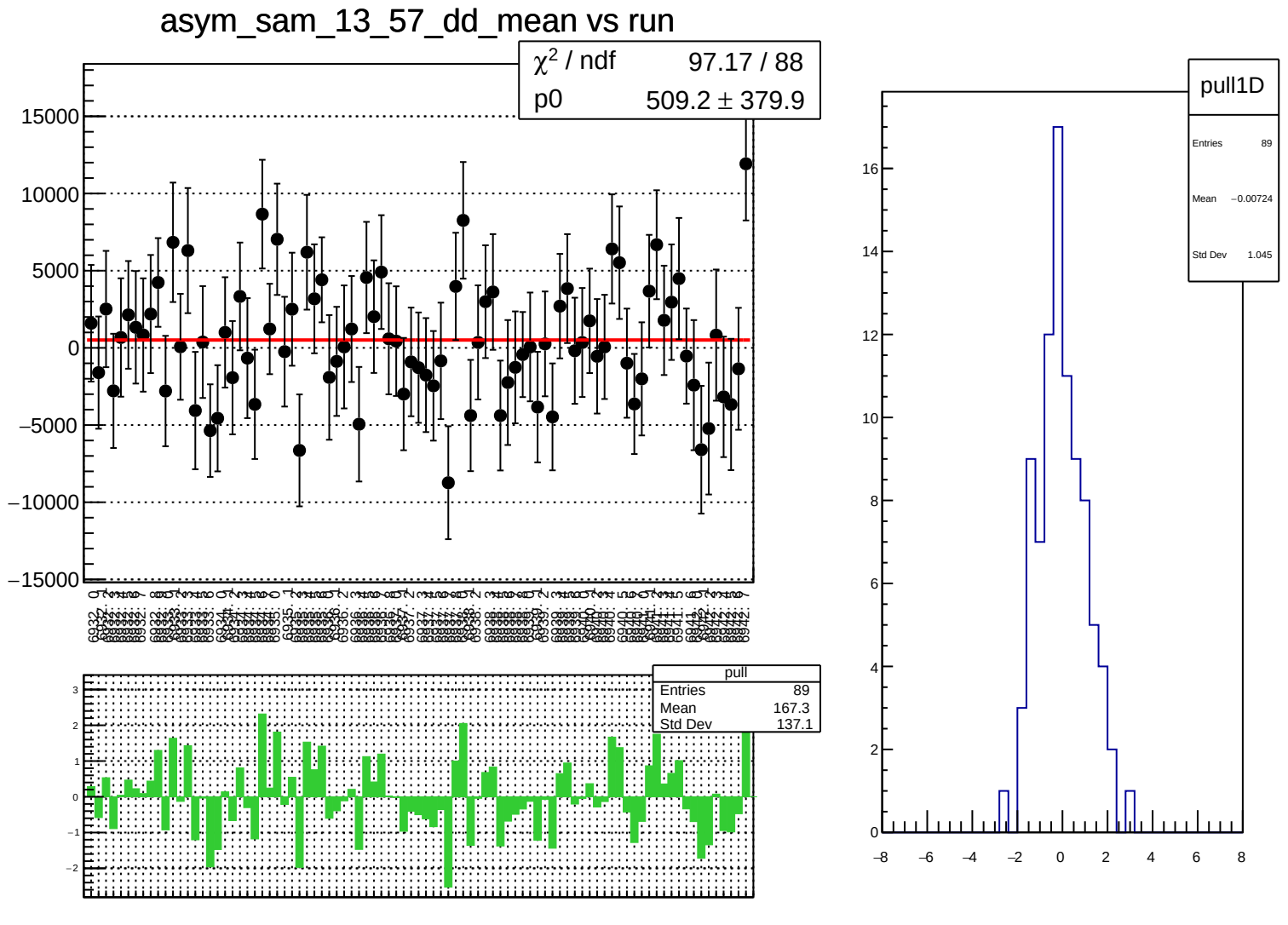
dit_asym_sam_13_57_dd_rms vs run



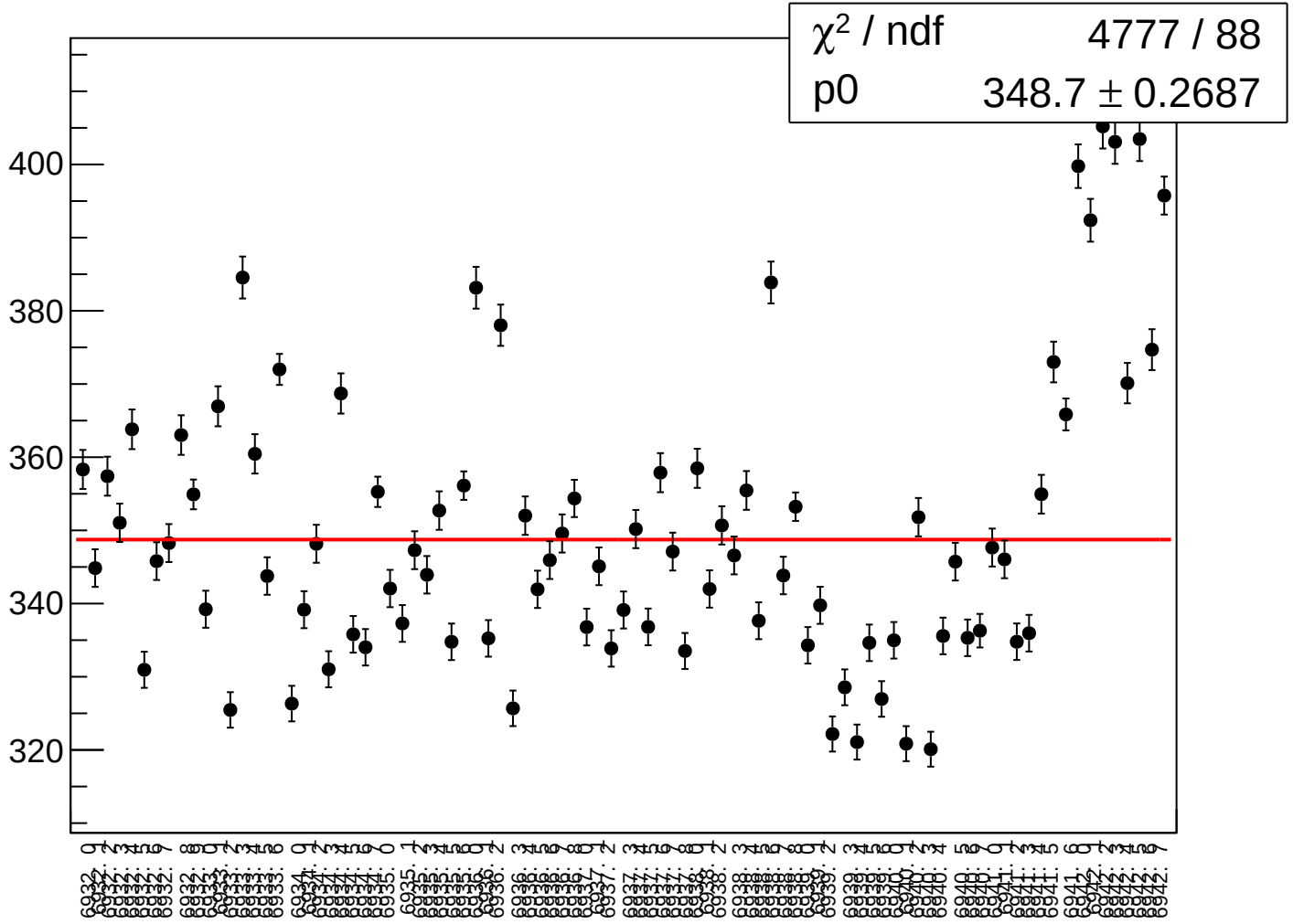

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 97.48 / 88
p0 −330.3 ± 395.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 136.6
Std Dev 111.2
pull1D
Entries 89
Mean 0.00722
Std Dev 1.047

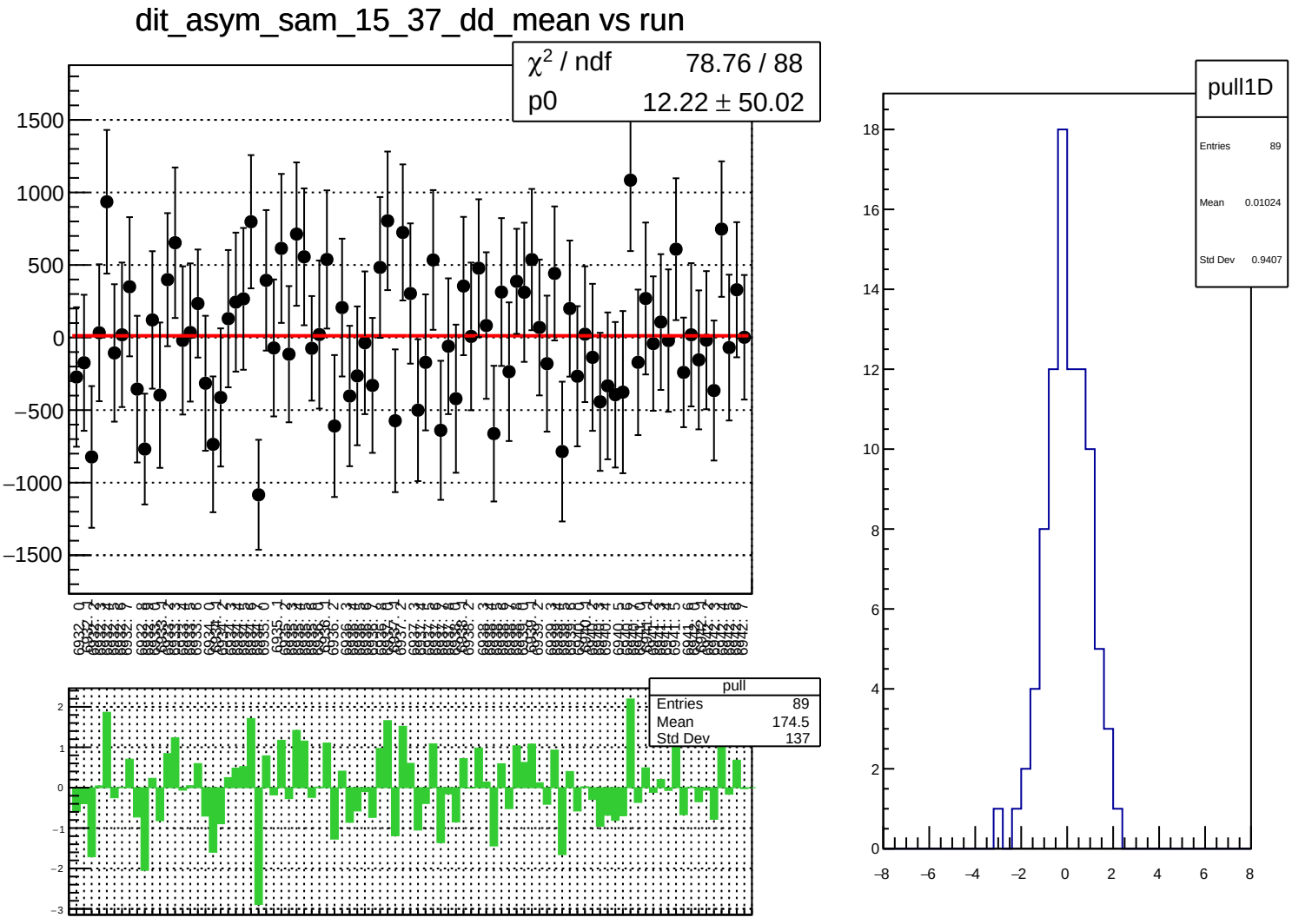
asym_sam_13_57_dd_correction_rms vs run



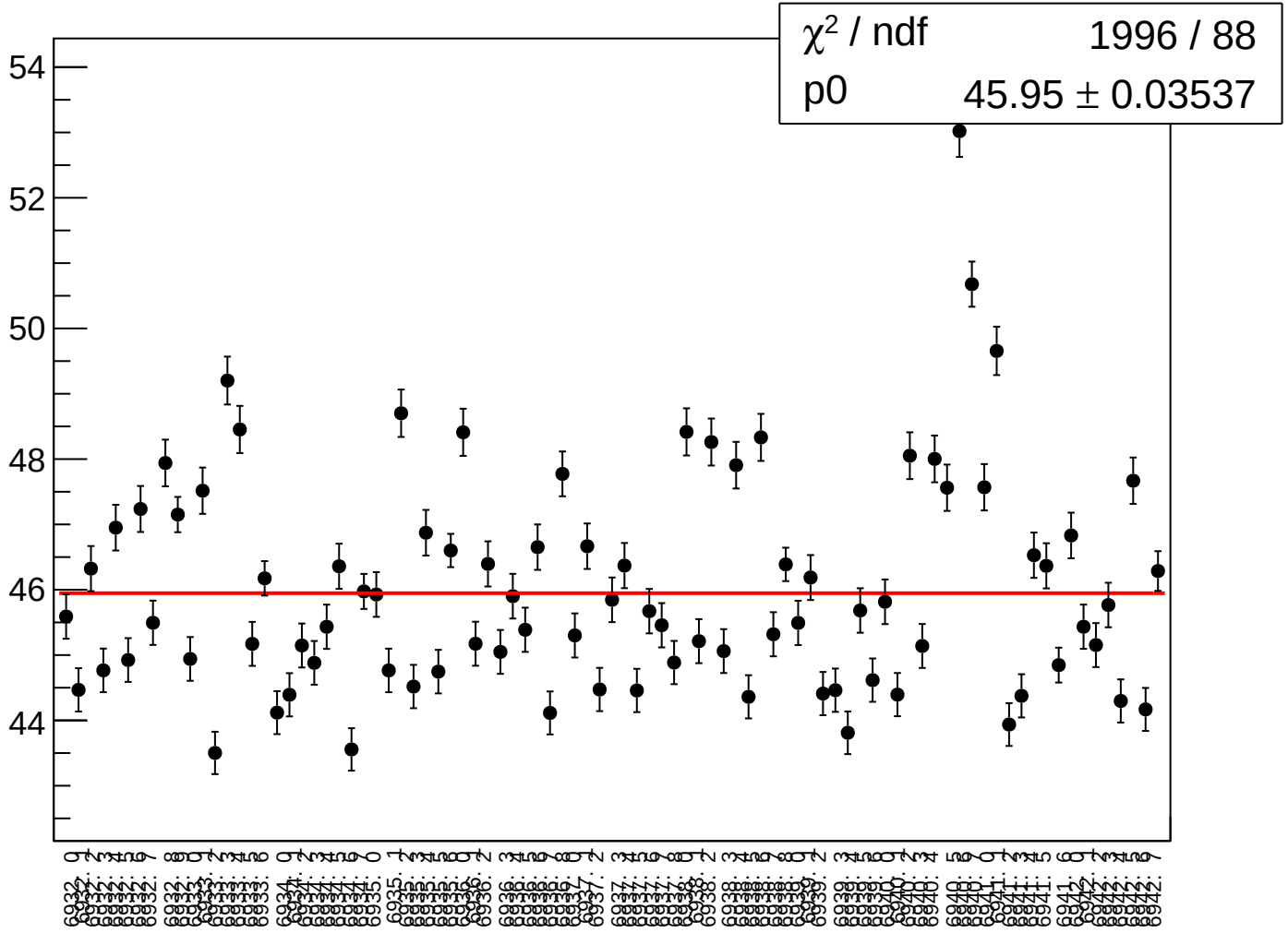

asym_sam_13_57_dd_mean vs run
χ² / ndf 97.17 / 88
p0 509.2 ± 379.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 167.3
Std Dev 137.1
3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.00724
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

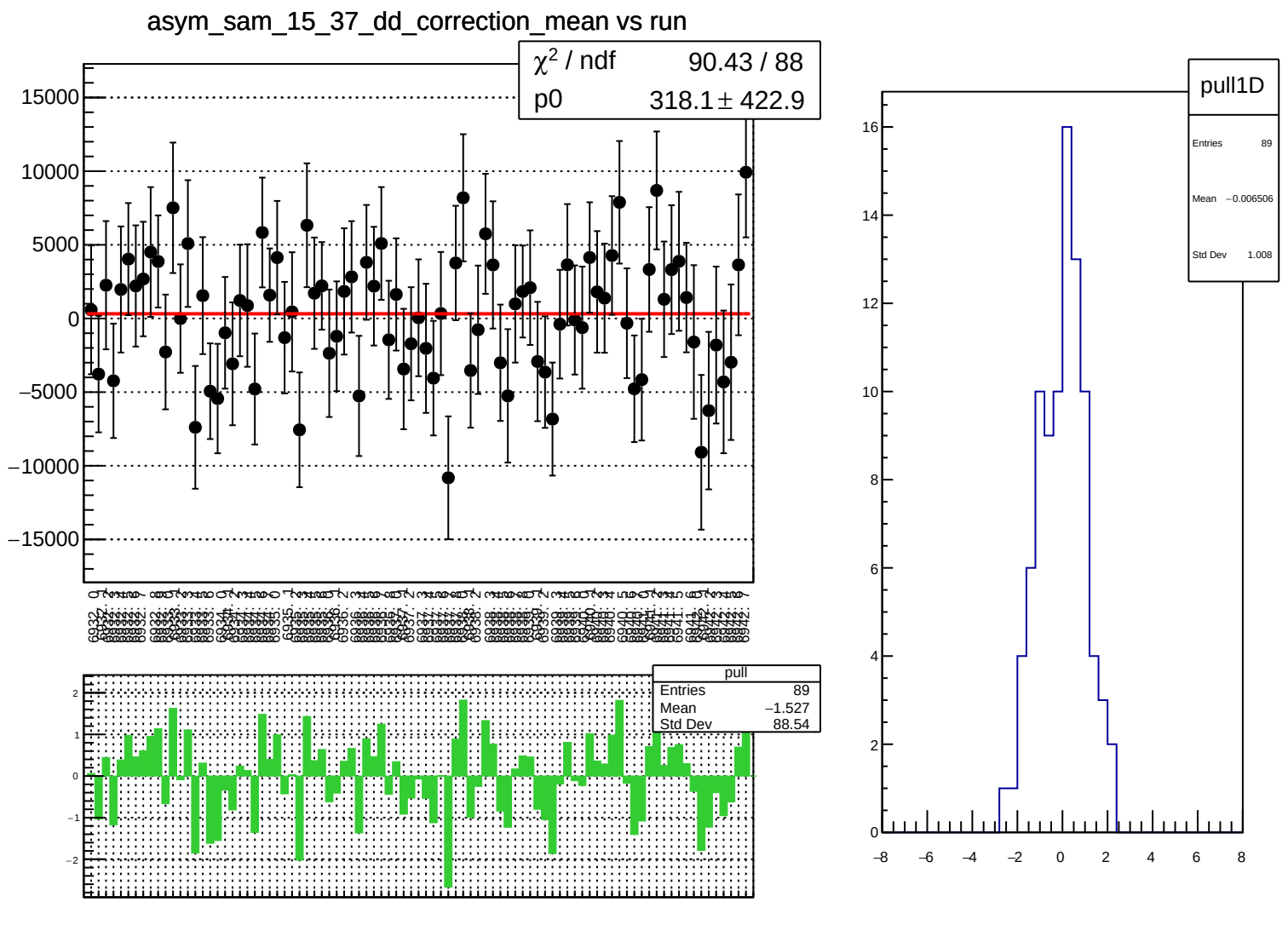
asym_sam_13_57_dd_rms vs run



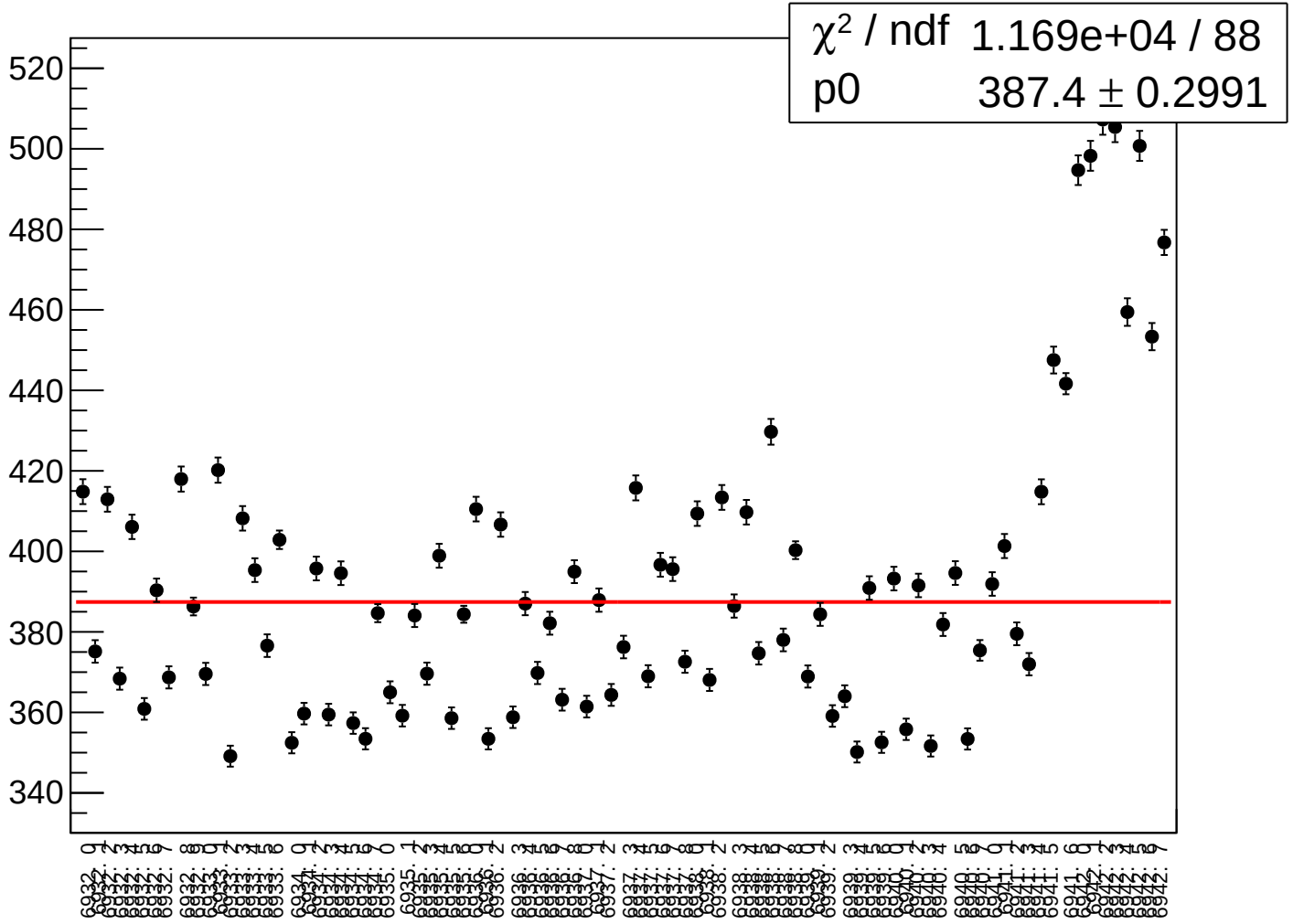

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.76 / 88
p0 12.22 ± 50.02
pull
Entries 89
Mean 174.5
Std Dev 137
pull1D
Entries 89
Mean 0.01024
Std Dev 0.9407

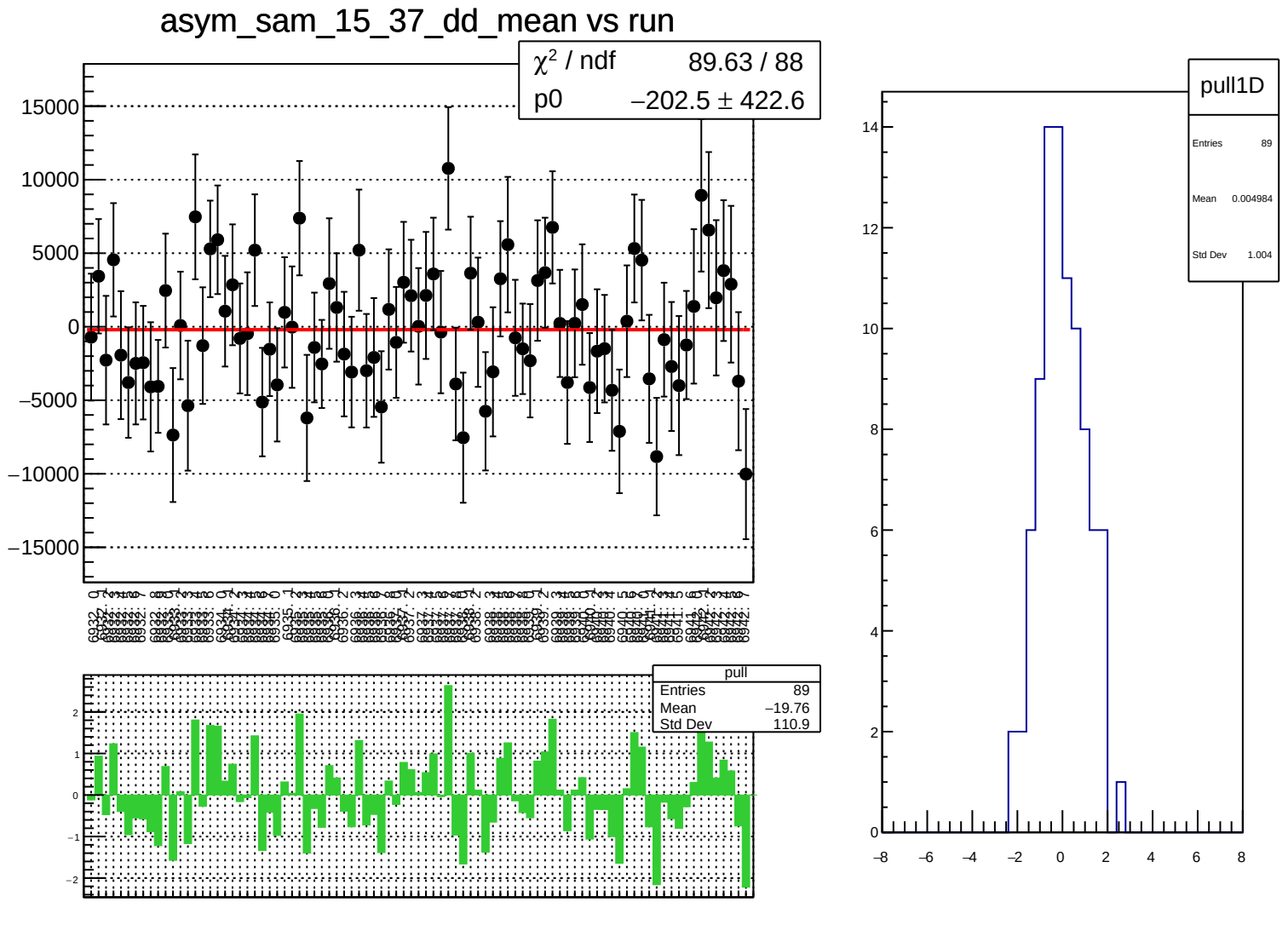
dit_asym_sam_15_37_dd_rms vs run



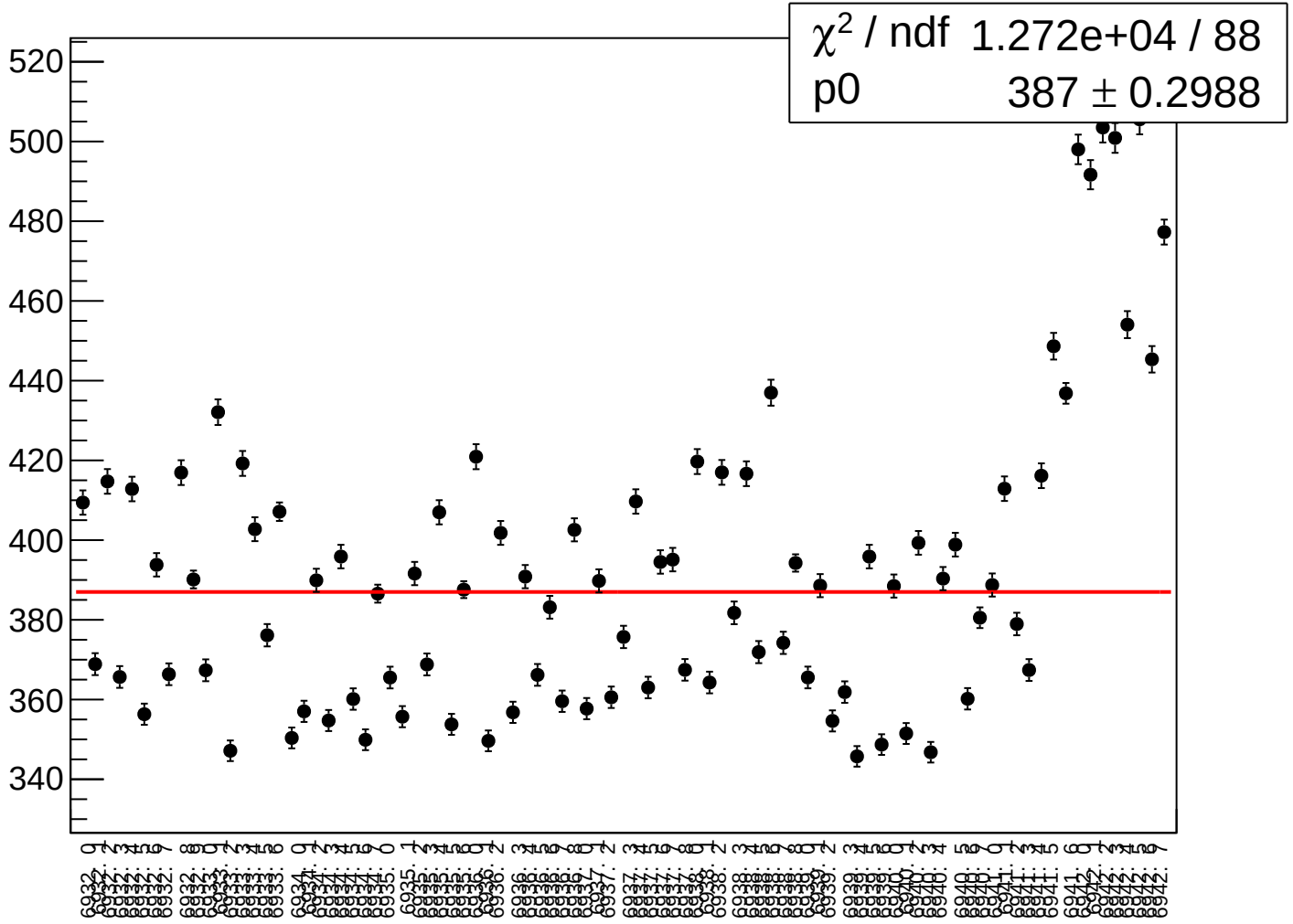

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 90.43 / 88
p0 318.1 ± 422.9
pull
Entries 89
Mean −1.527
Std Dev 88.54
pull1D
Entries 89
Mean −0.006506
Std Dev 1.008

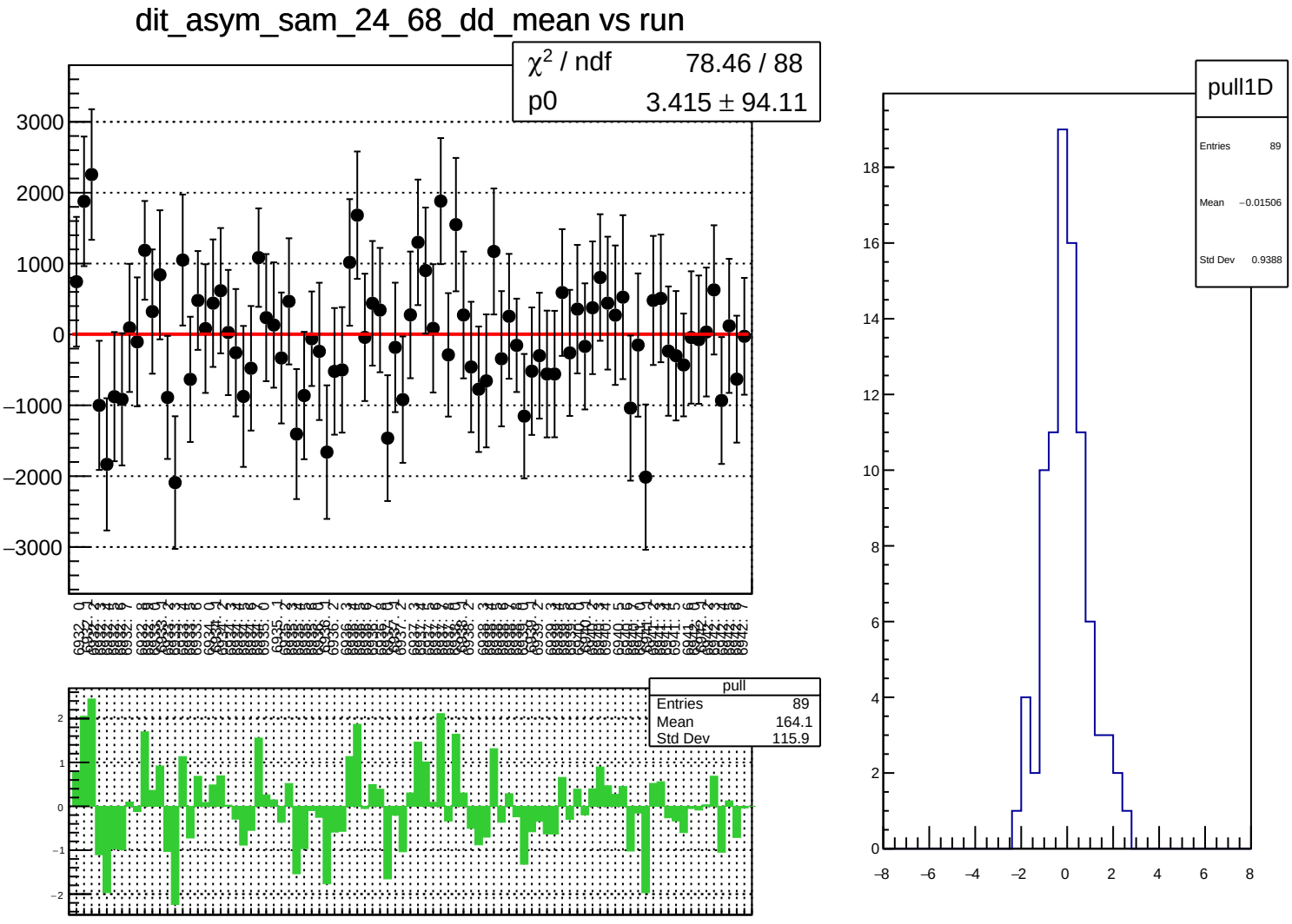
asym_sam_15_37_dd_correction_rms vs run



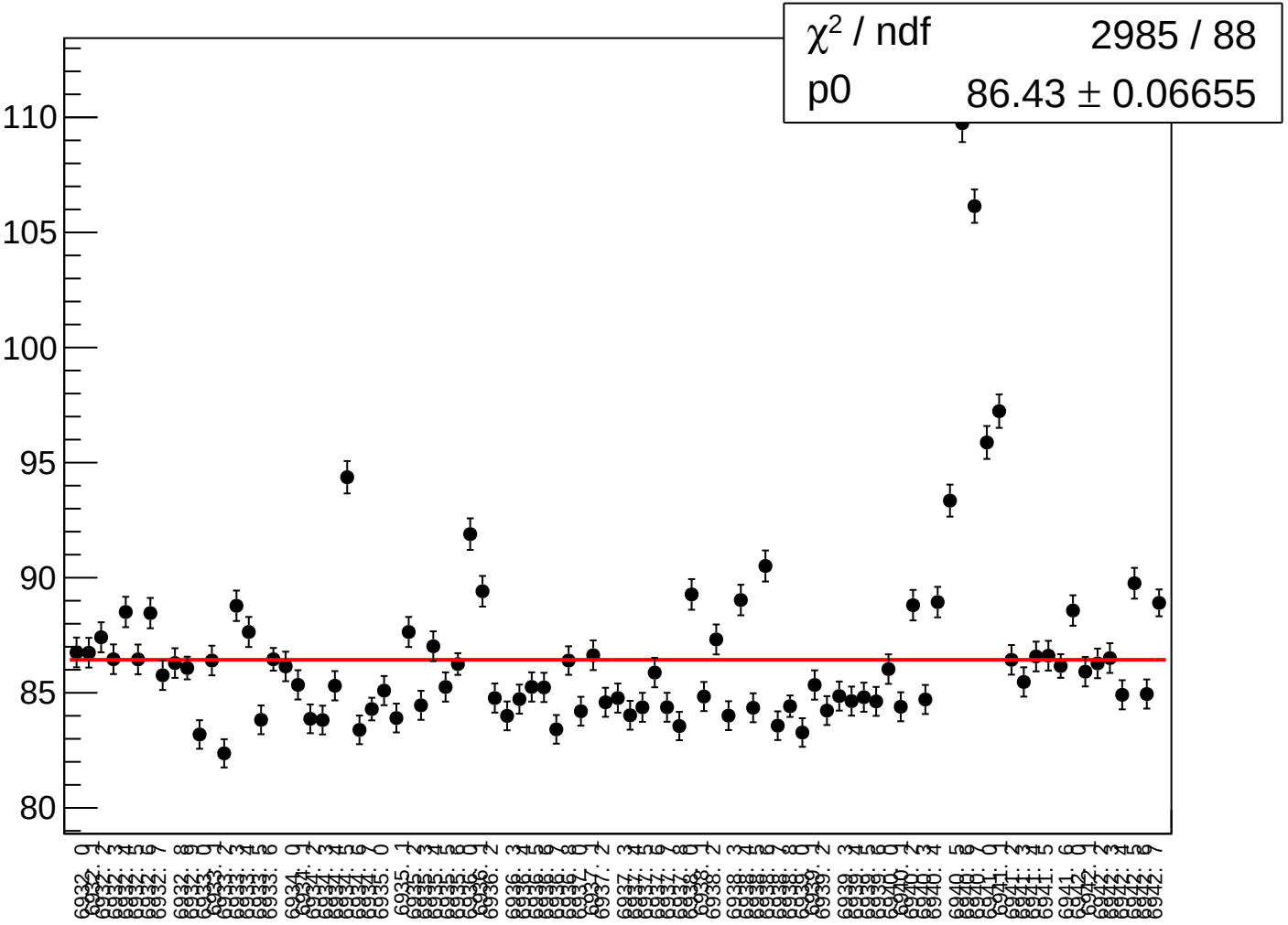

asym_sam_15_37_dd_mean vs run
χ² / ndf 89.63 / 88
p0 −202.5 ± 422.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −19.76
Std Dev 110.9
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.004984
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

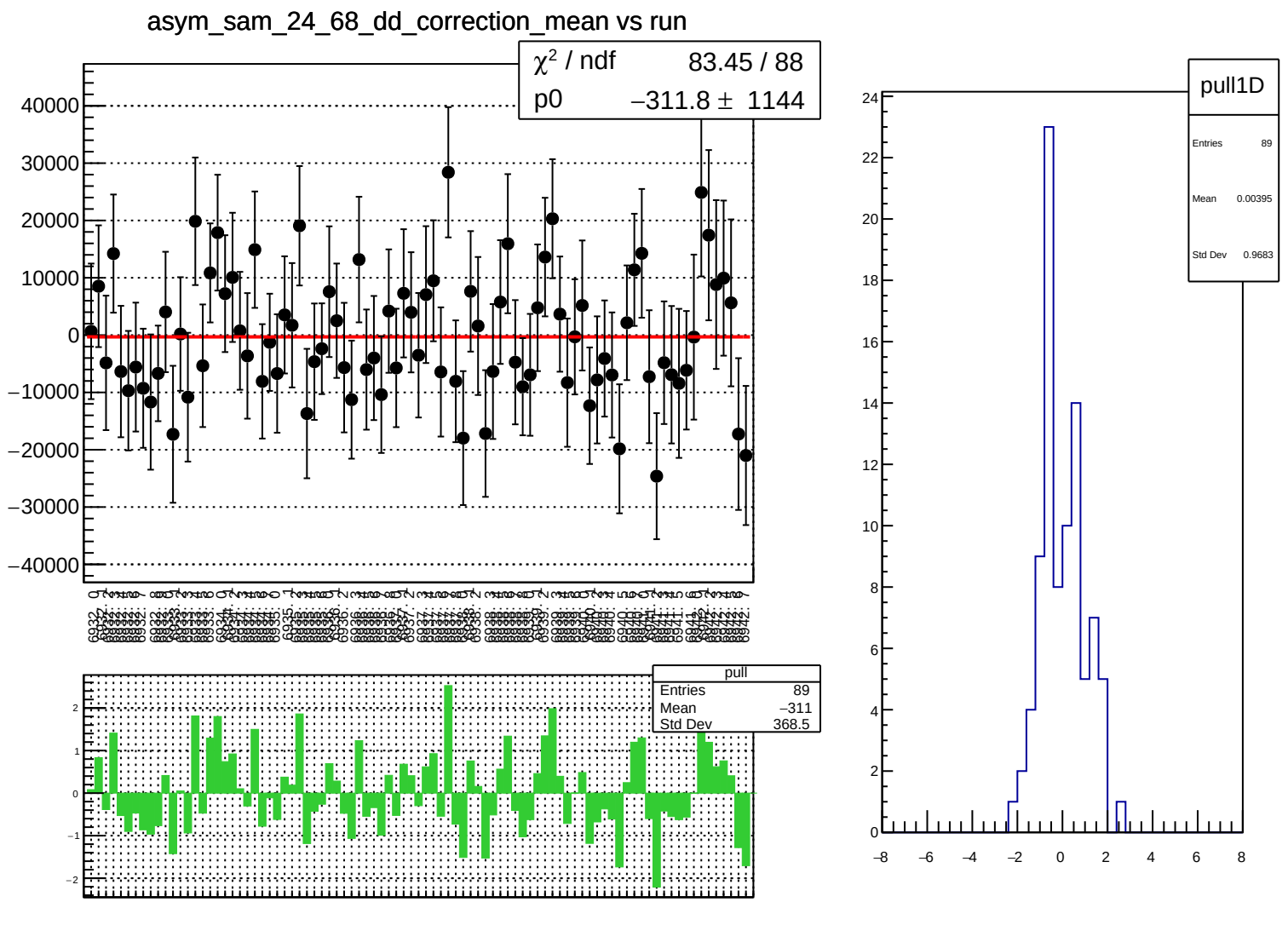
asym_sam_15_37_dd_rms vs run



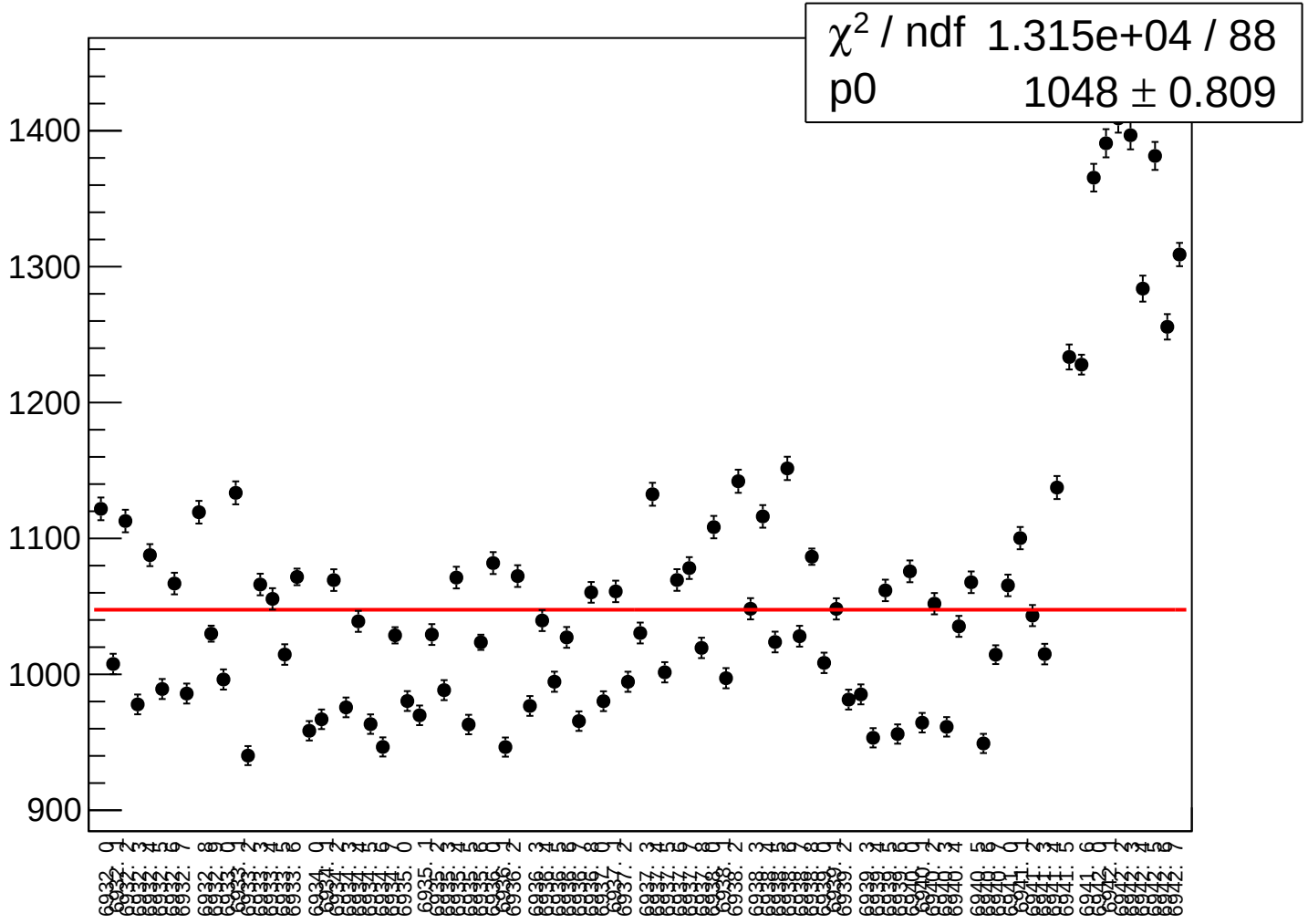

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 78.46 / 88
p0 3.415 ± 94.11
pull
Entries 89
Mean 164.1
Std Dev 115.9
pull1D
Entries 89
Mean −0.01506
Std Dev 0.9388

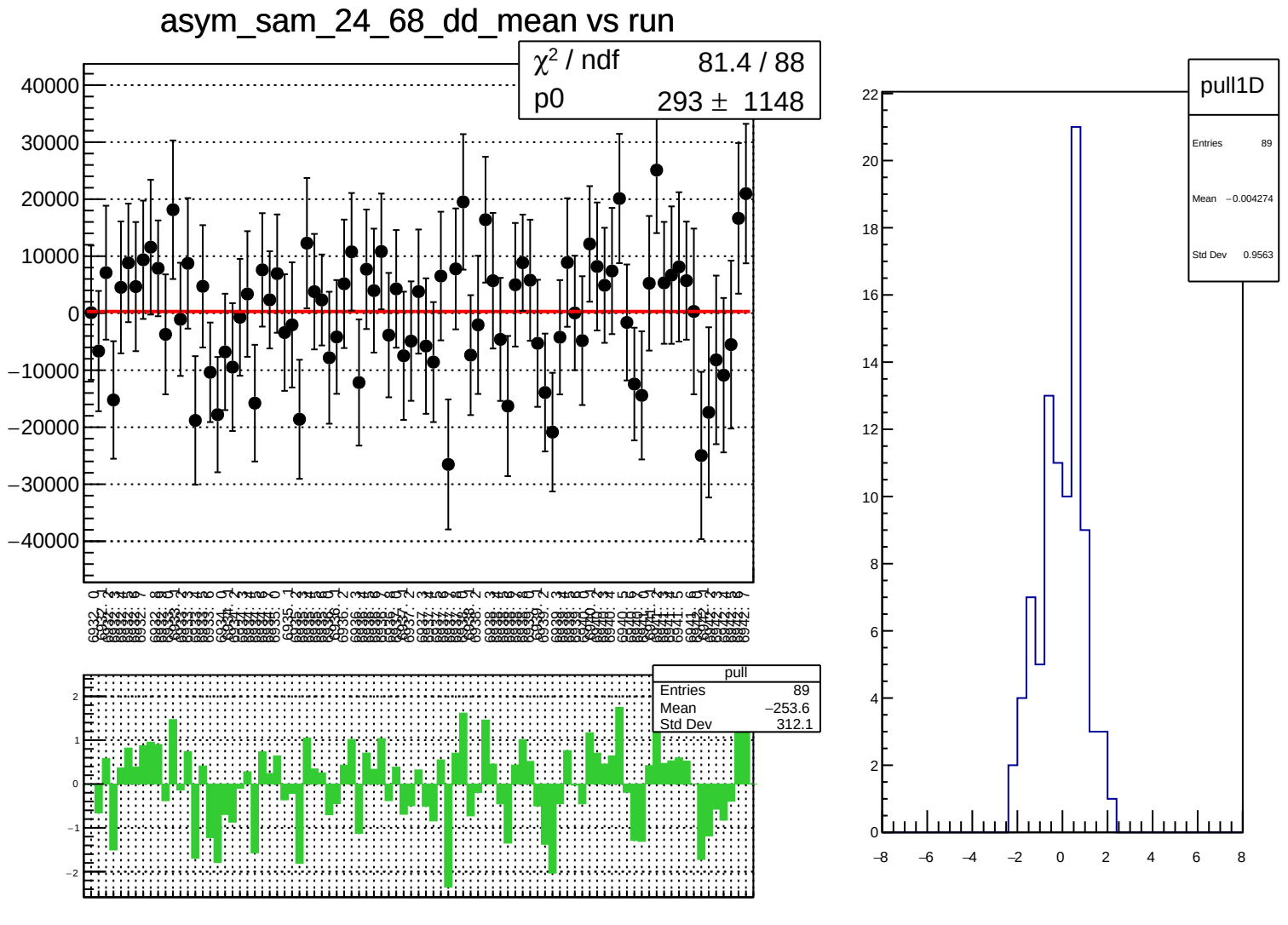
dit_asym_sam_24_68_dd_rms vs run

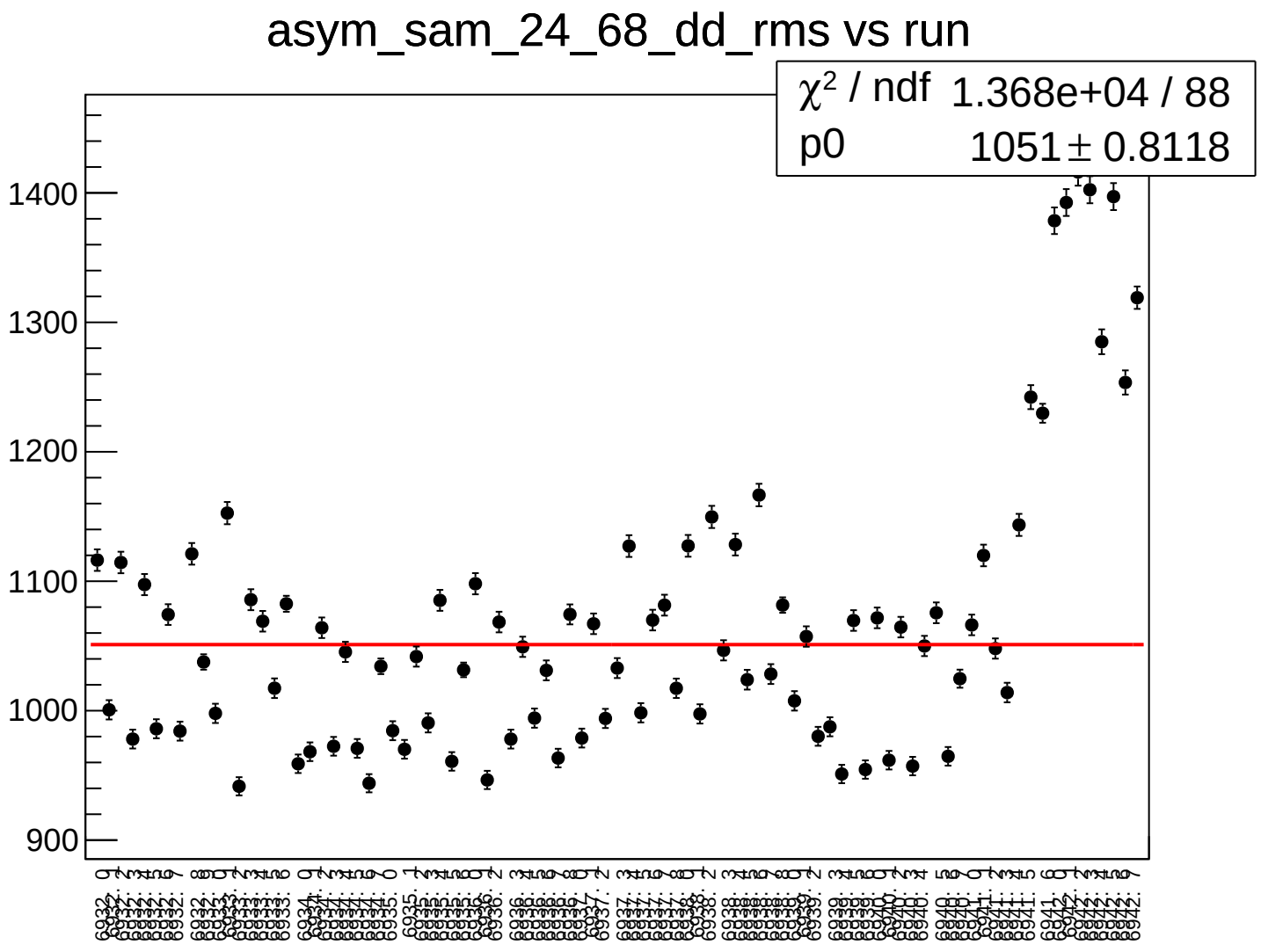


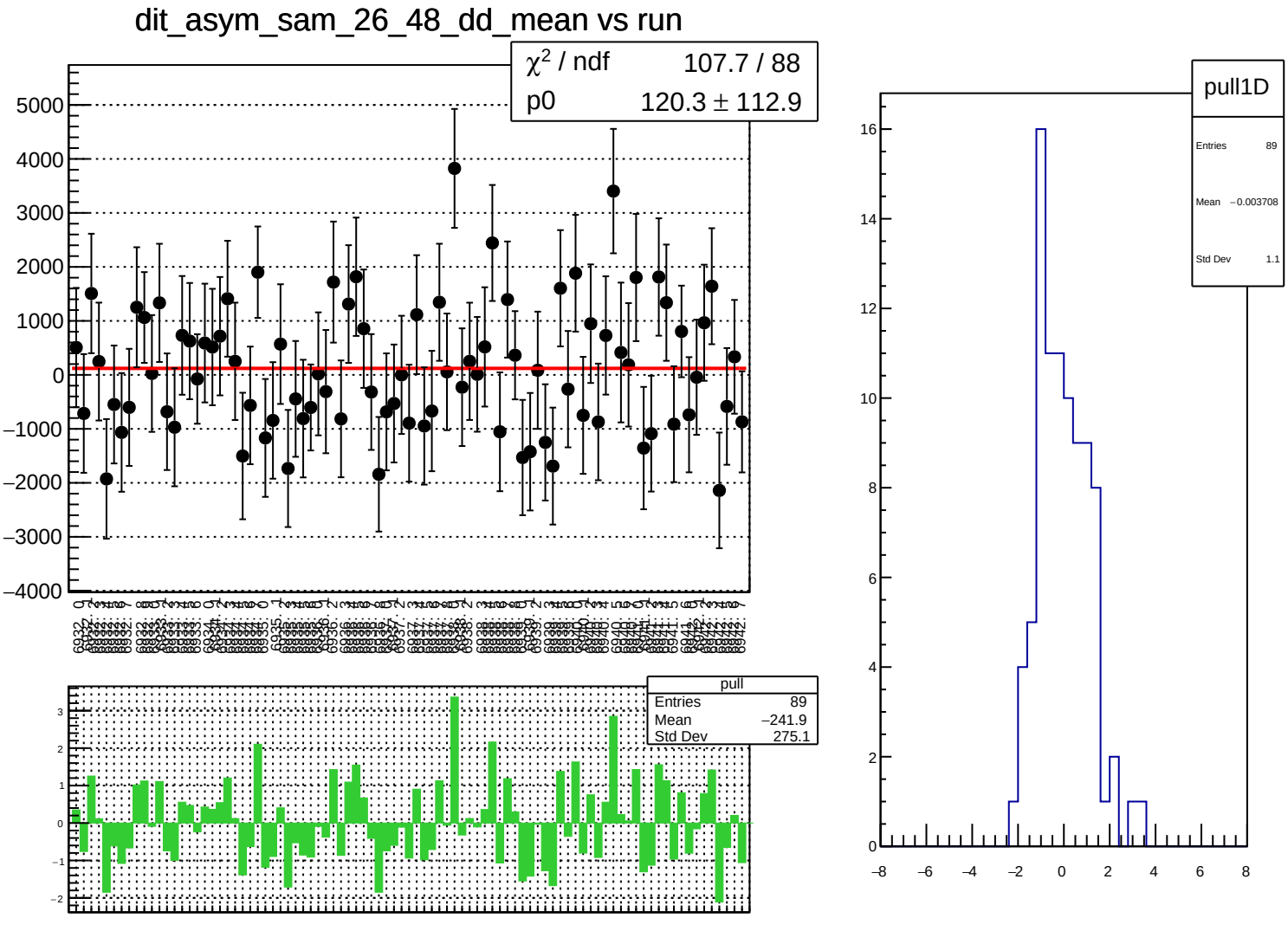

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 83.45 / 88
p0 −311.8 ± 1144
pull
Entries 89
Mean −311
Std Dev 368.5
pull1D
Entries 89
Mean 0.00395
Std Dev 0.9683

asym_sam_24_68_dd_correction_rms vs run

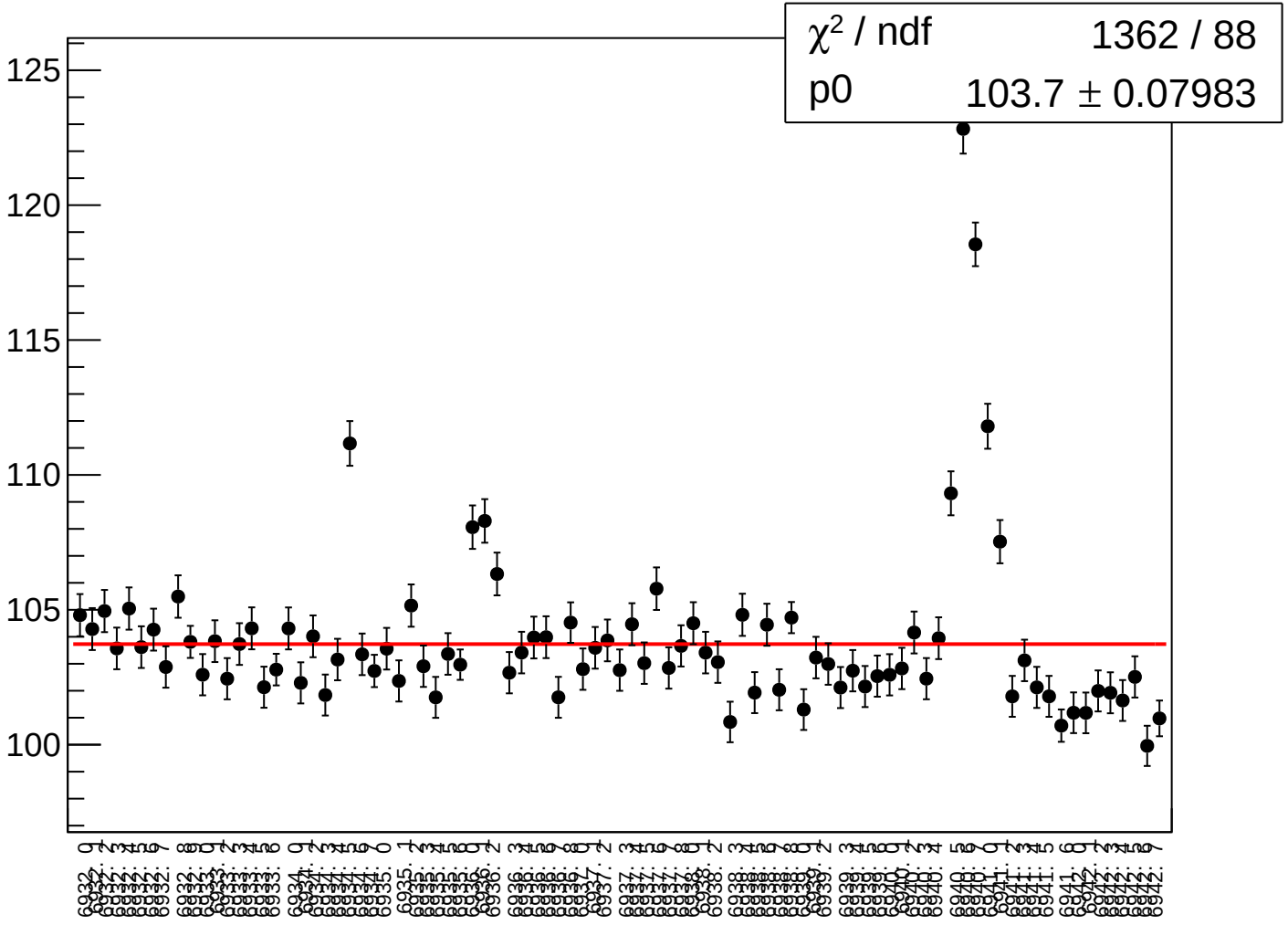


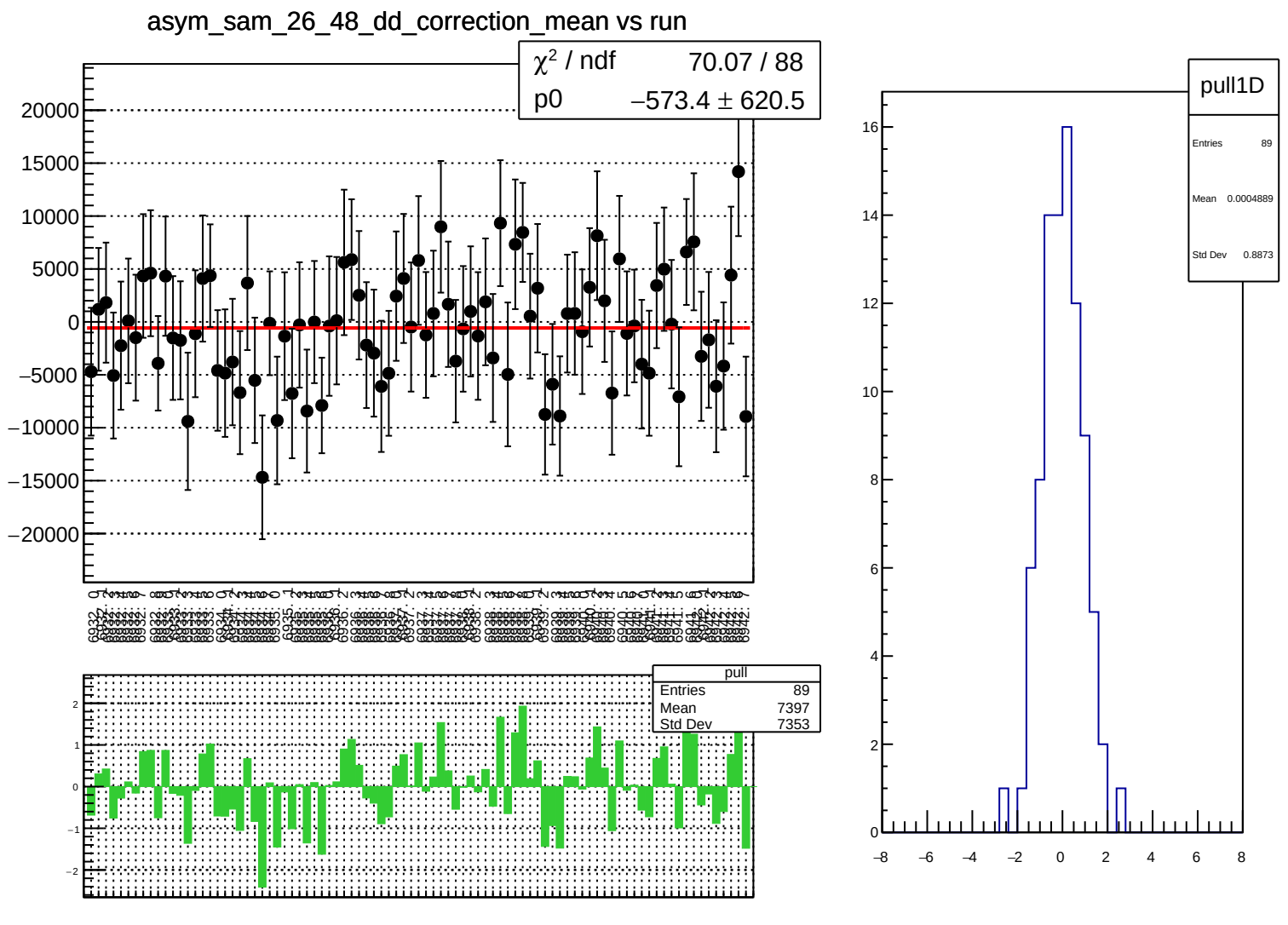

asym_sam_24_68_dd_mean vs run
χ² / ndf 81.4 / 88
p0 293 ± 1148
pull
Entries 89
Mean −253.6
Std Dev 312.1
pull1D
Entries 89
Mean −0.004274
Std Dev 0.9563

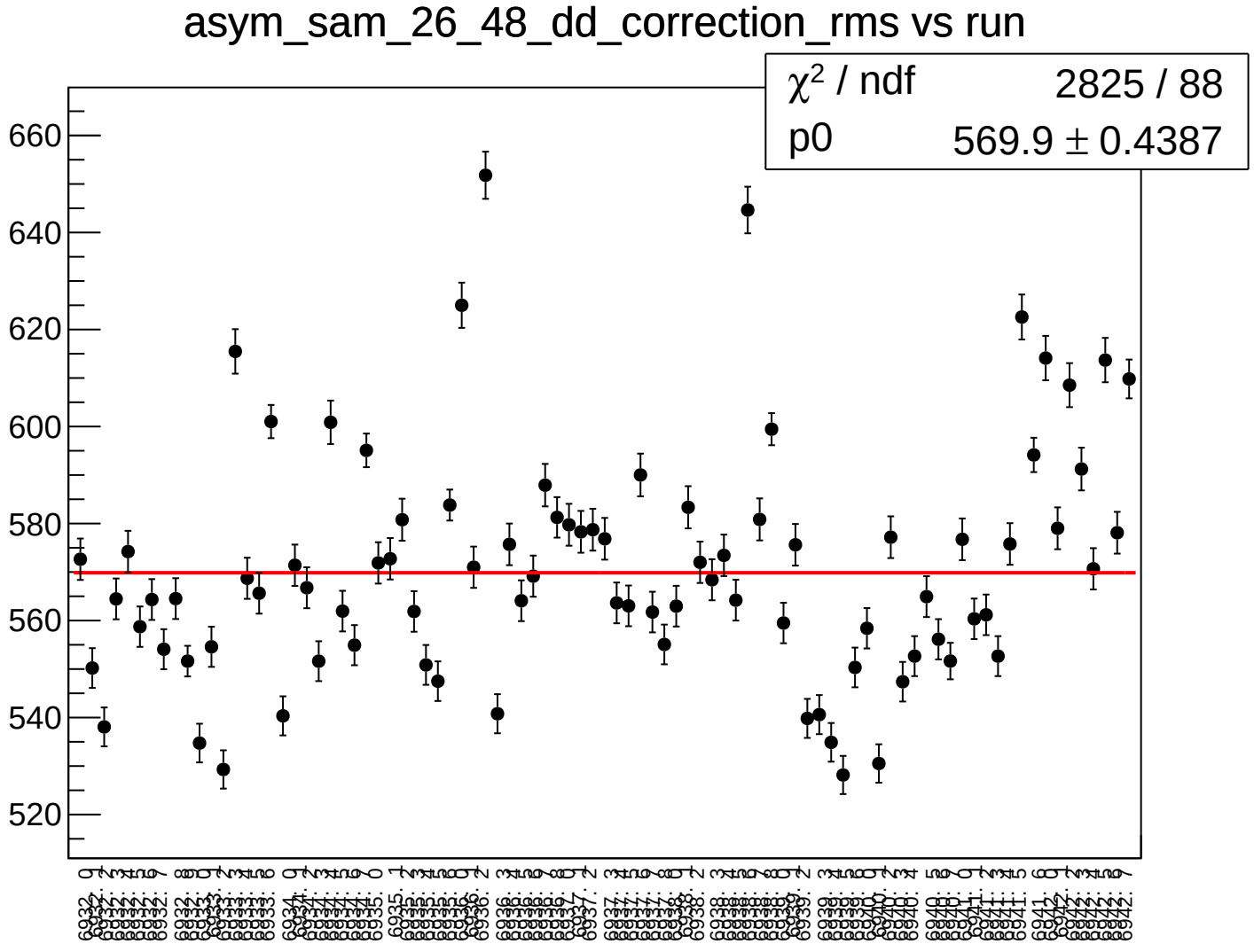

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.368e+04 / 88
p0 1051 ± 0.8118
1400
1300
1200
1100
1000
900

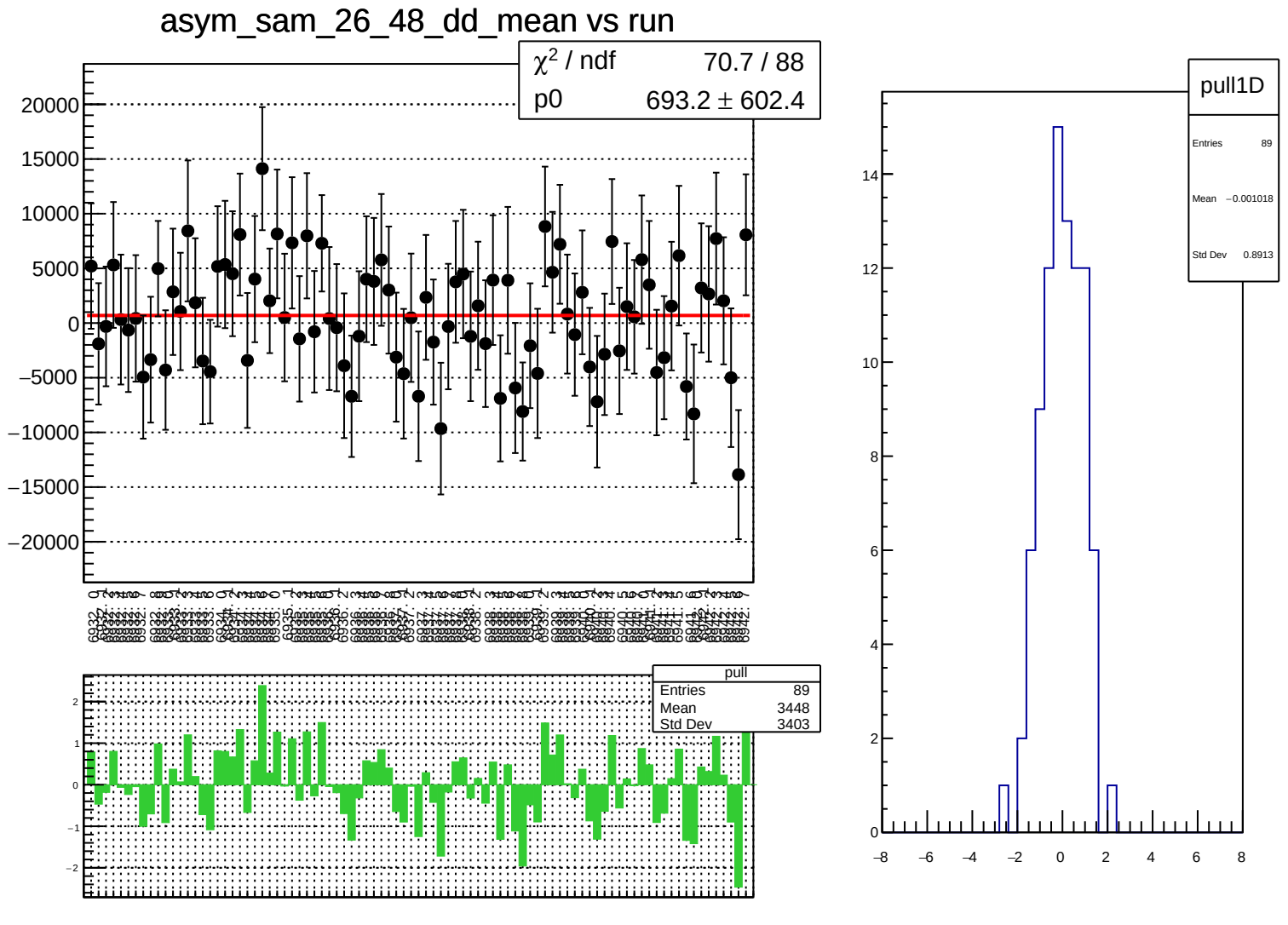

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 107.7 / 88
p0 120.3 ± 112.9
pull
Entries 89
Mean −241.9
Std Dev 275.1
pull1D
Entries 89
Mean −0.003708
Std Dev 1.1

dit_asym_sam_26_48_dd_rms vs run

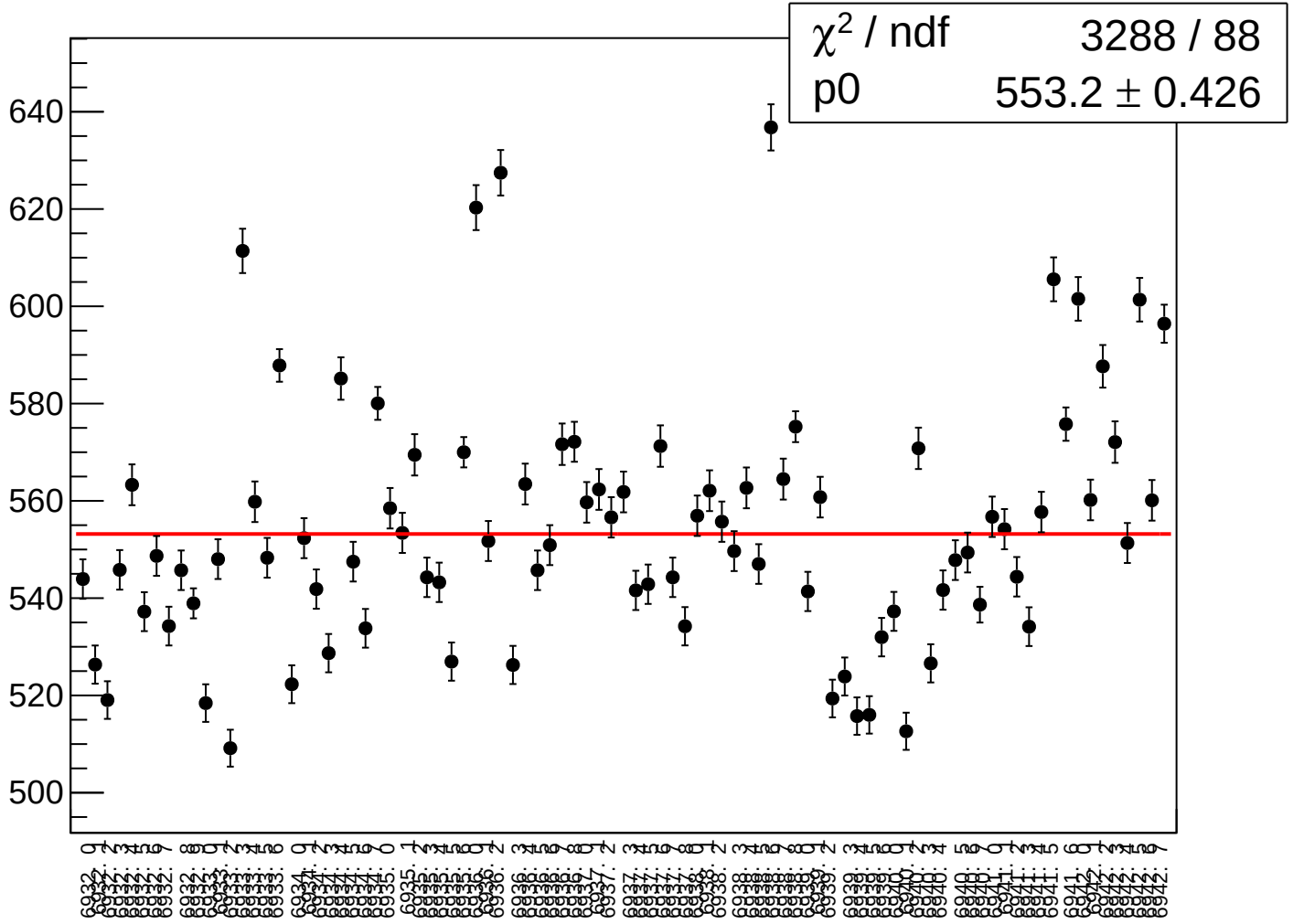


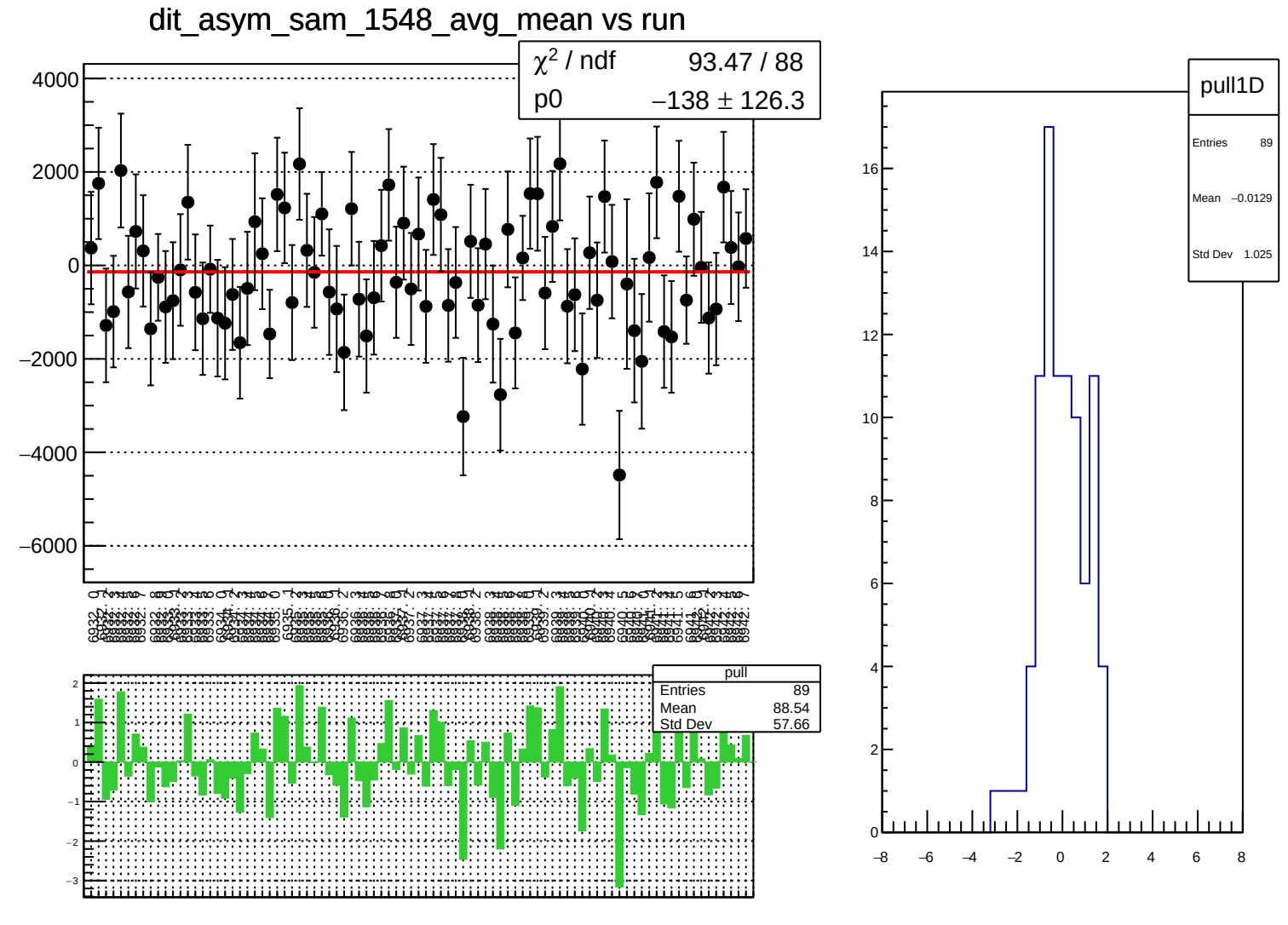

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 70.07 / 88
p0 −573.4 ± 620.5
pull
Entries 89
Mean 7397
Std Dev 7353
pull1D
Entries 89
Mean 0.0004889
Std Dev 0.8873


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2825 / 88
p0 569.9 ± 0.4387
660
640
620
600
580
560
540
520

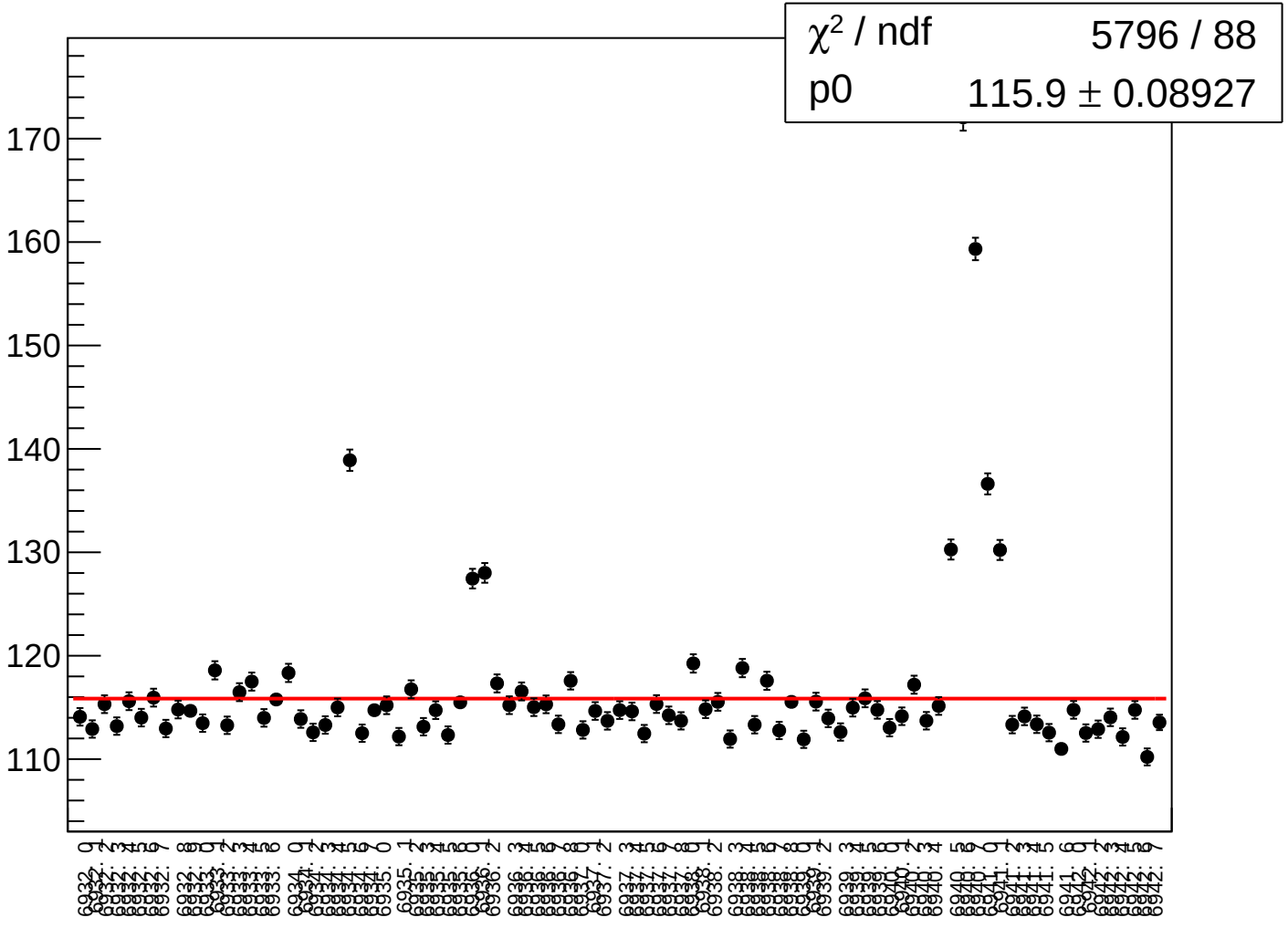

asym_sam_26_48_dd_mean vs run
χ² / ndf 70.7 / 88
p0 693.2 ± 602.4
pull
Entries 89
Mean 3448
Std Dev 3403
pull1D
Entries 89
Mean −0.001018
Std Dev 0.8913

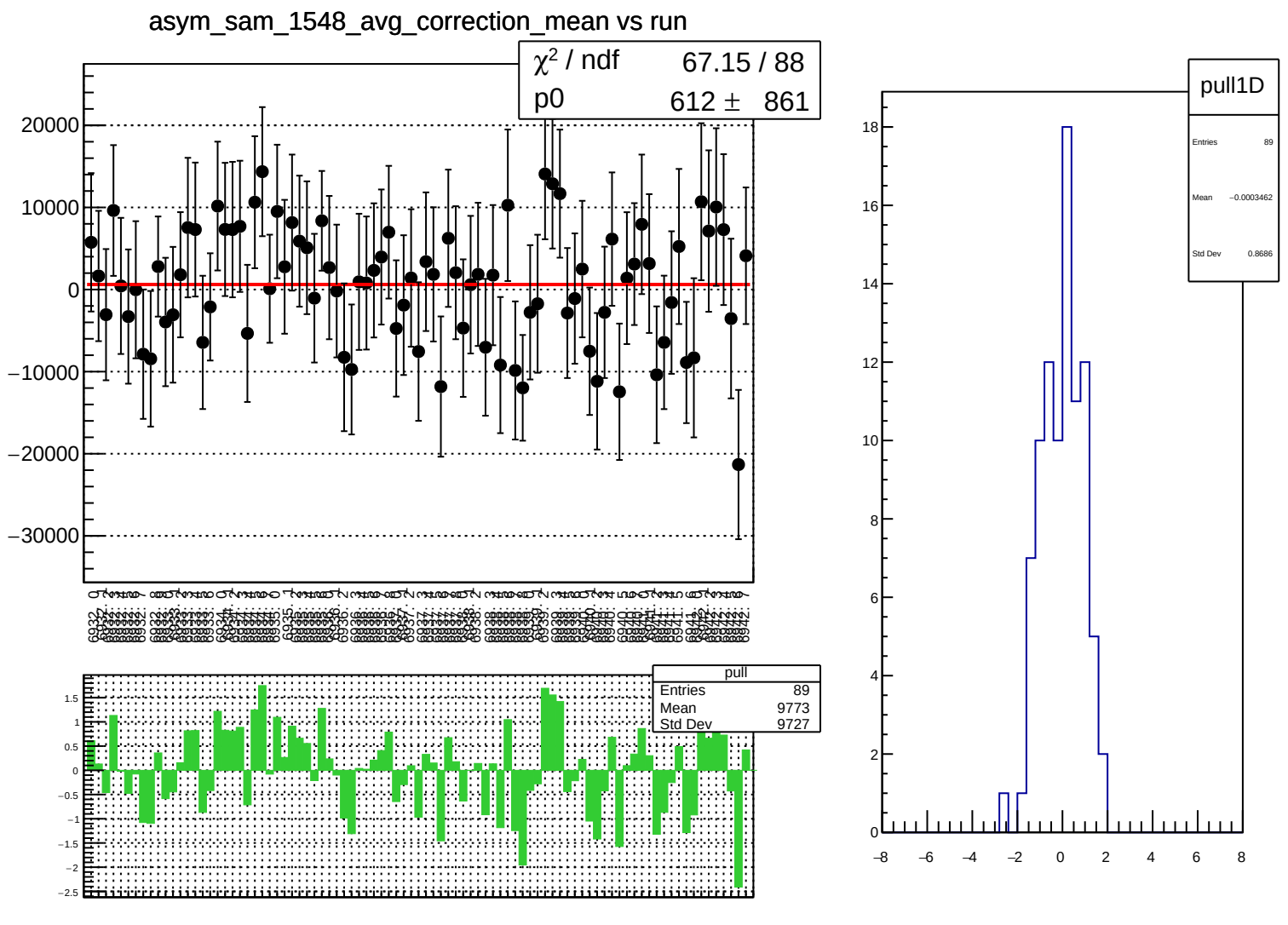
asym_sam_26_48_dd_rms vs run



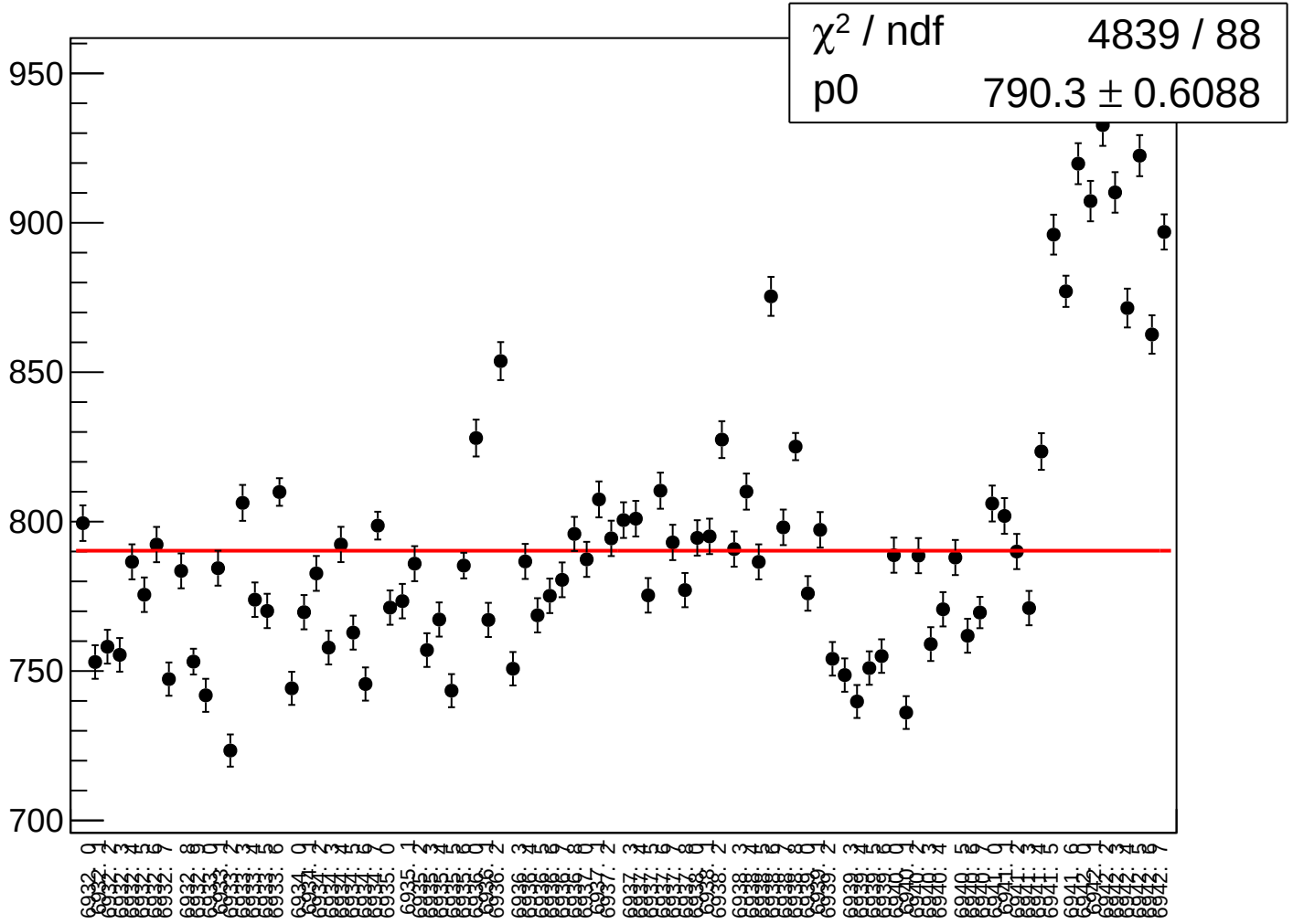

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 93.47 / 88
p0 −138 ± 126.3
pull
Entries 89
Mean 88.54
Std Dev 57.66
pull1D
Entries 89
Mean −0.0129
Std Dev 1.025

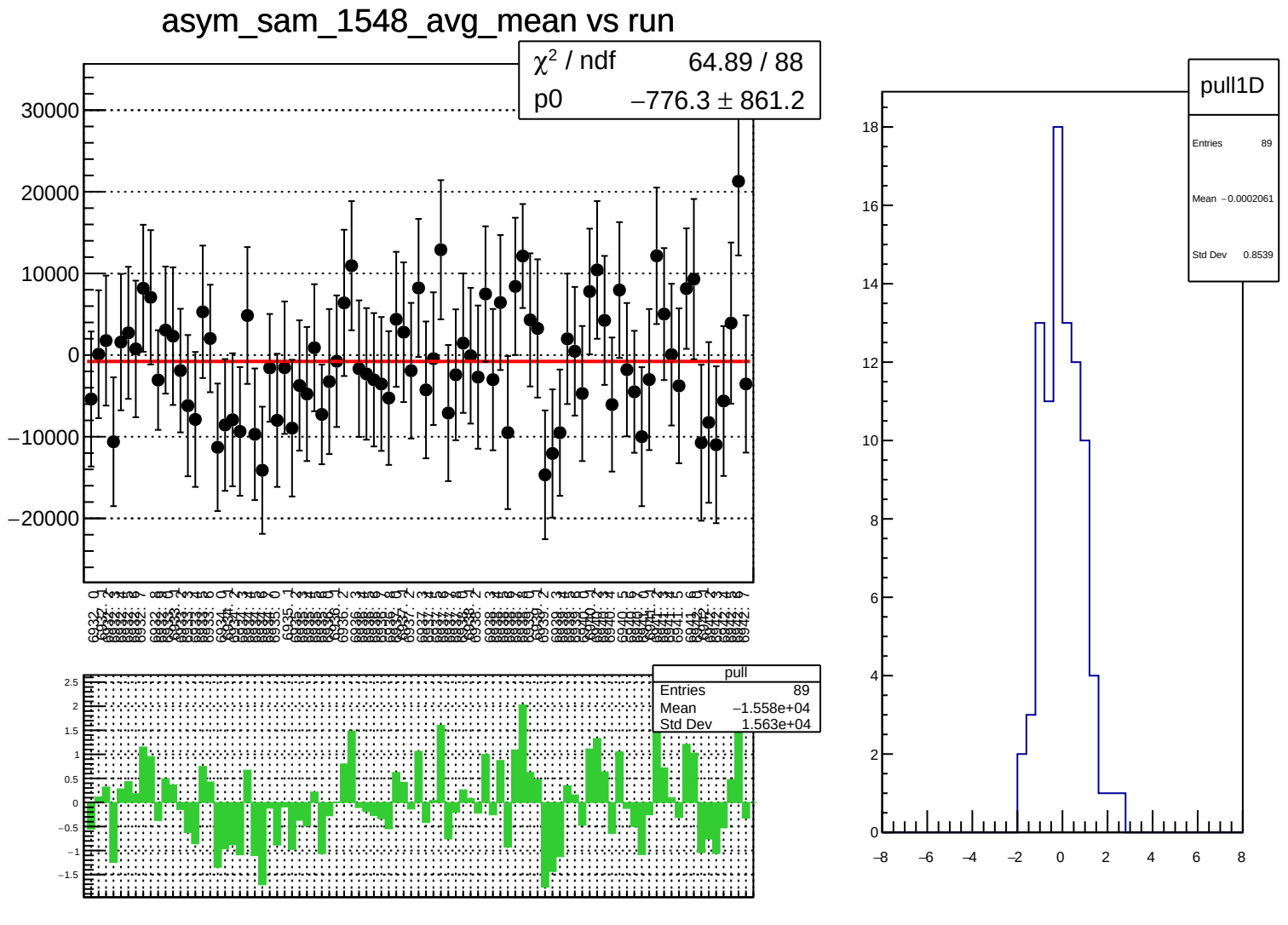
dit_asym_sam_1548_avg_rms vs run



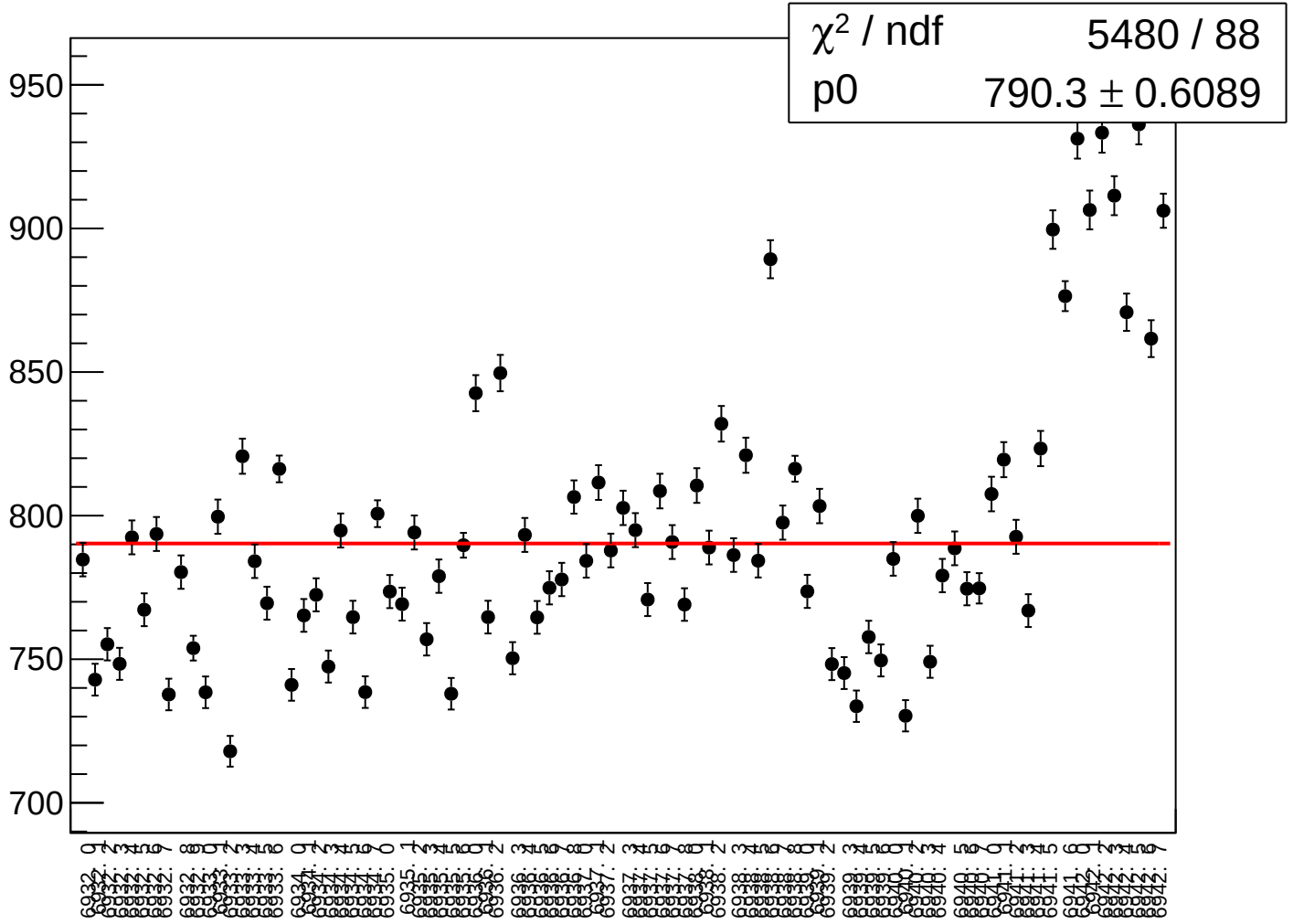

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 67.15 / 88
p0 612 ± 861
pull
Entries 89
Mean 9773
Std Dev 9727
pull1D
Entries 89
Mean −0.0003462
Std Dev 0.8686

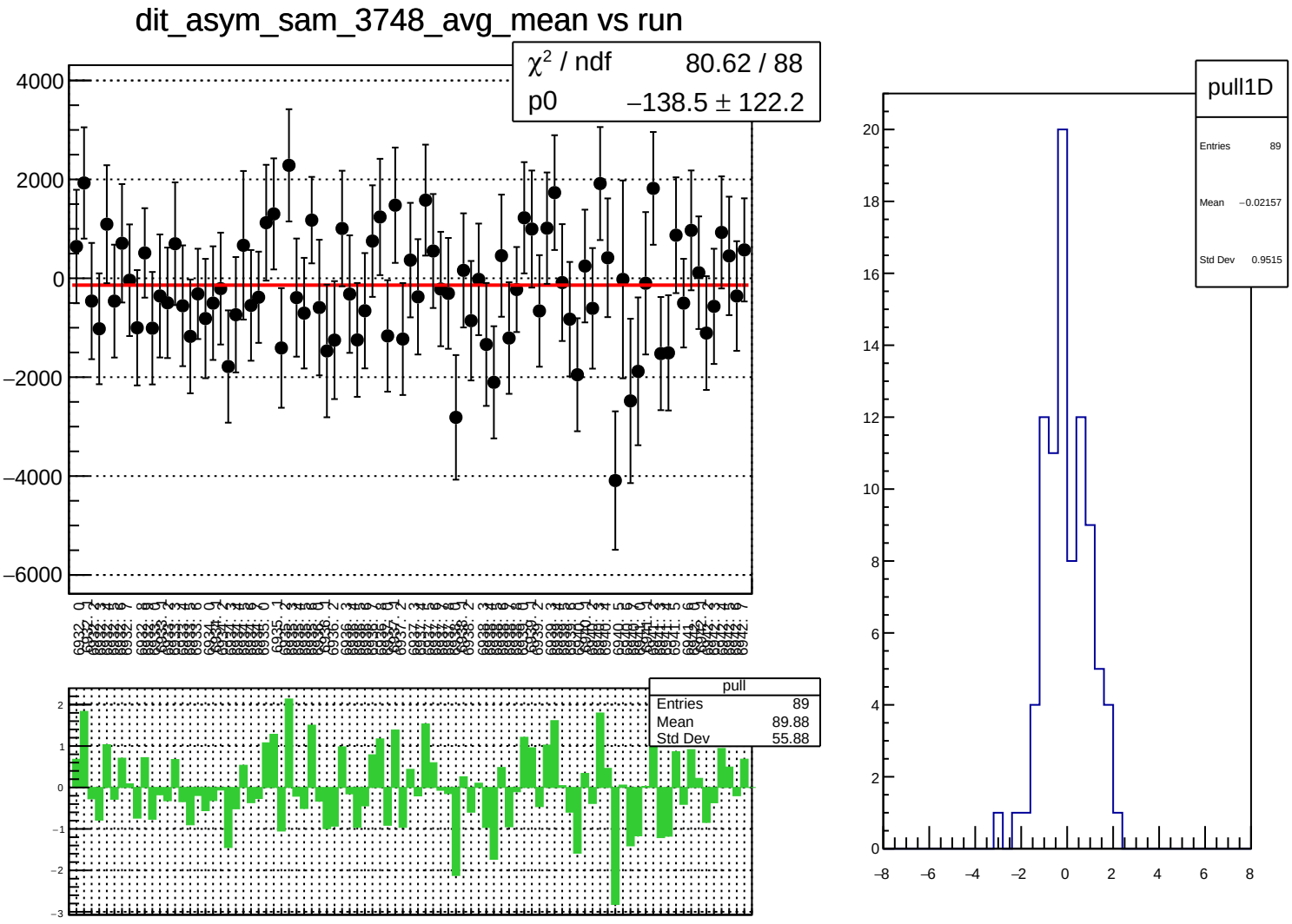
asym_sam_1548_avg_correction_rms vs run



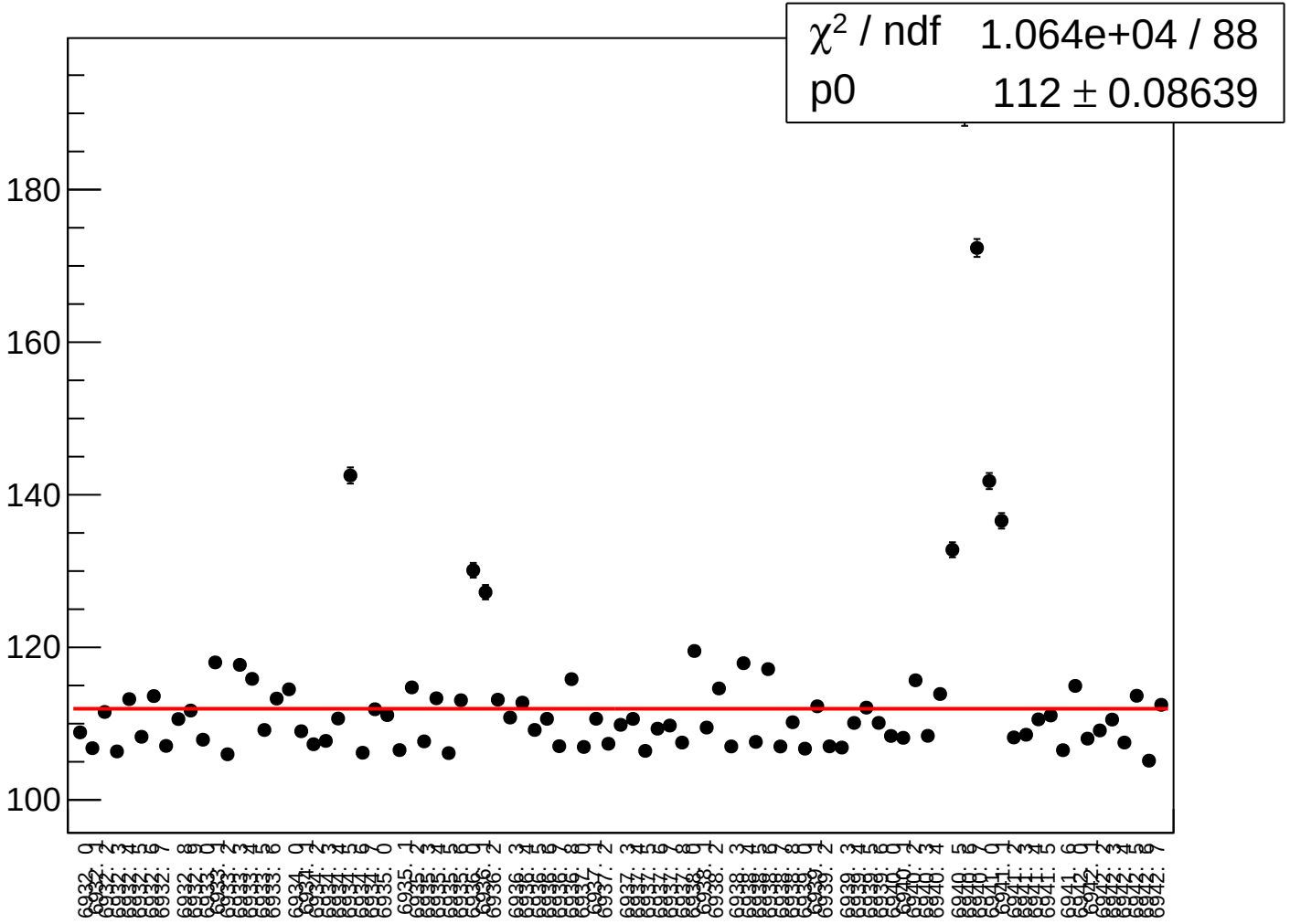

asym_sam_1548_avg_mean vs run
χ² / ndf 64.89 / 88
p0 −776.3 ± 861.2
pull
Entries 89
Mean −1.558e+04
Std Dev 1.563e+04
pull1D
Entries 89
Mean −0.0002061
Std Dev 0.8539

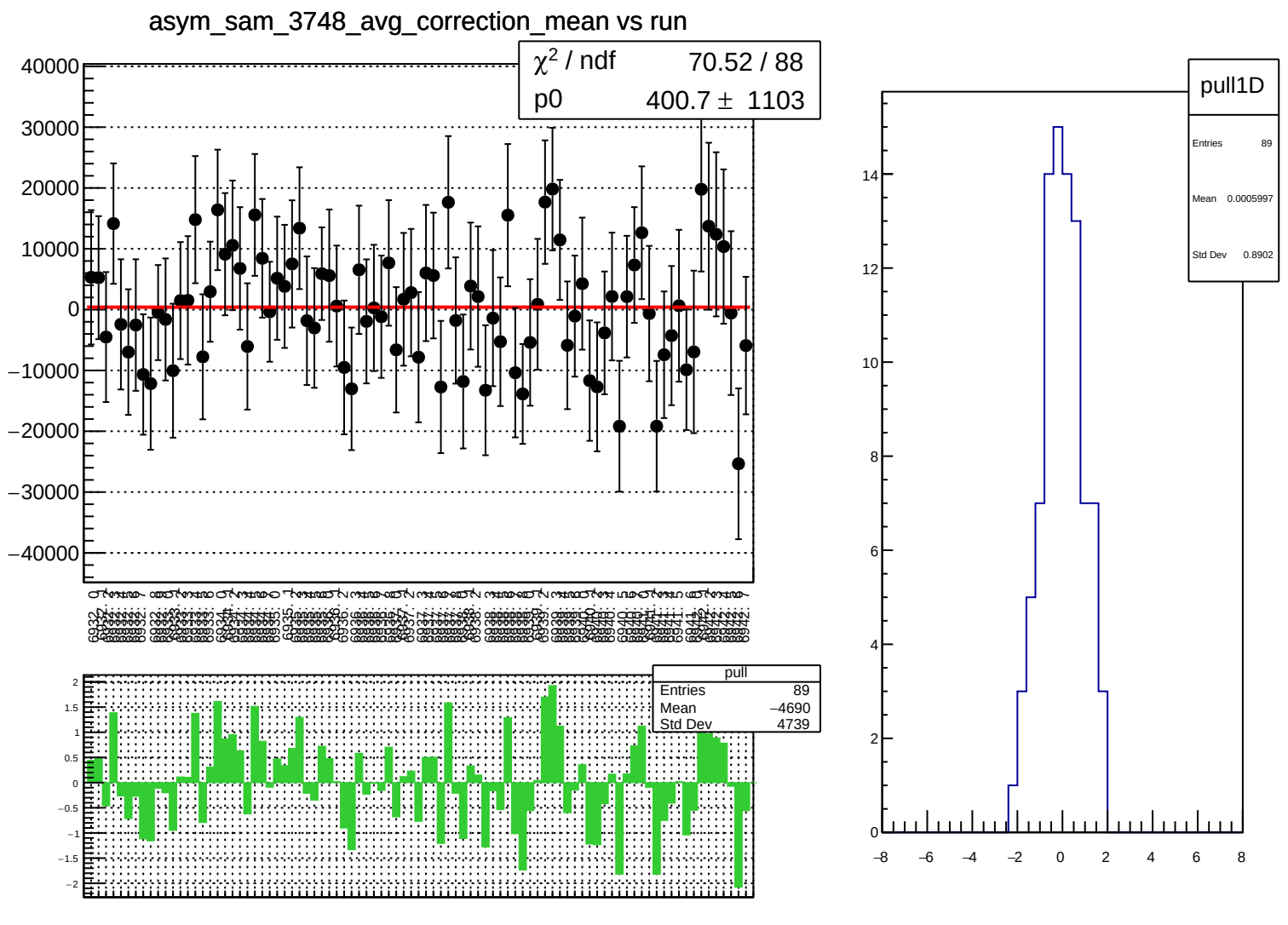
asym_sam_1548_avg_rms vs run



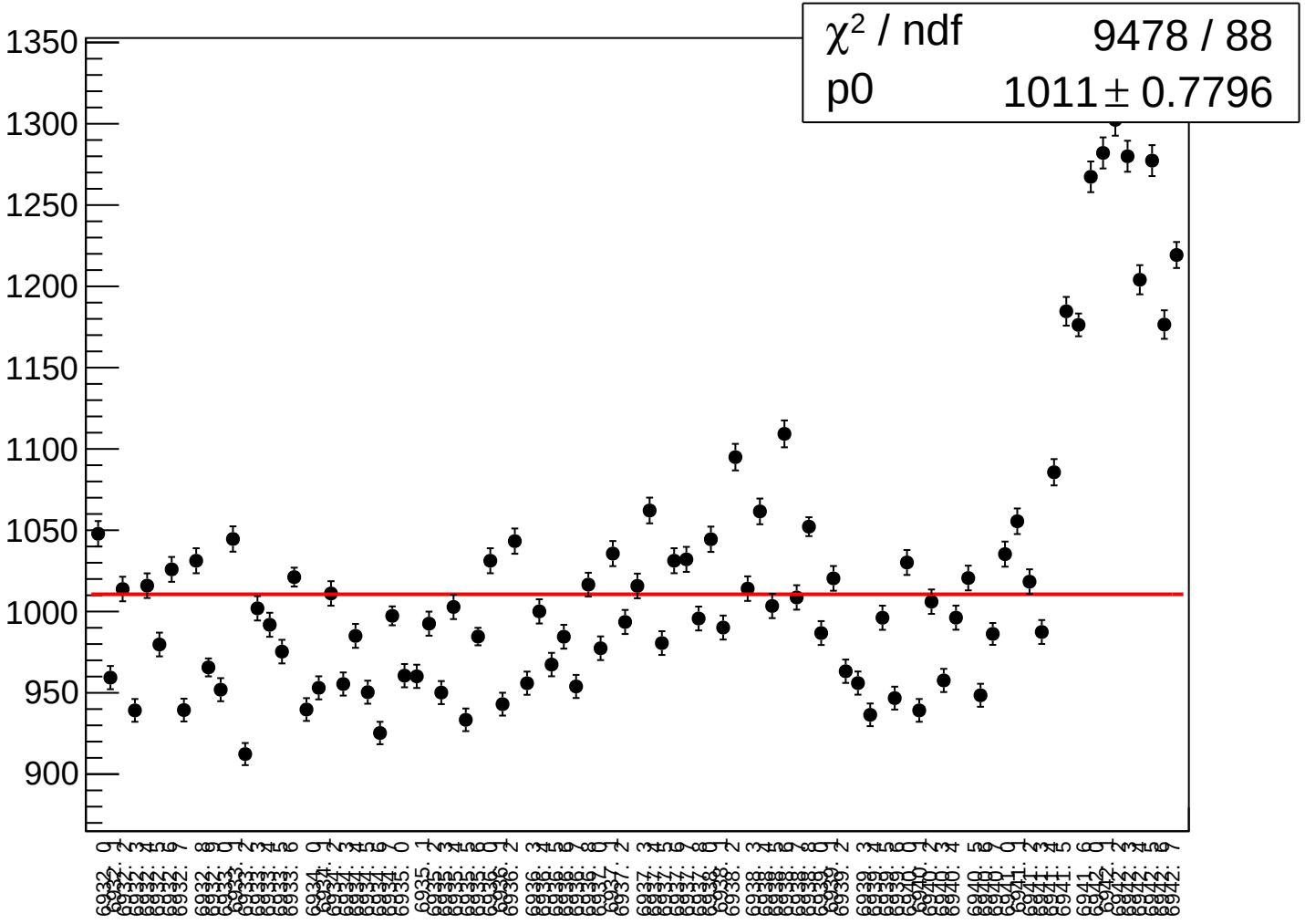

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 80.62 / 88
p0 −138.5 ± 122.2
pull
Entries 89
Mean 89.88
Std Dev 55.88
pull1D
Entries 89
Mean −0.02157
Std Dev 0.9515

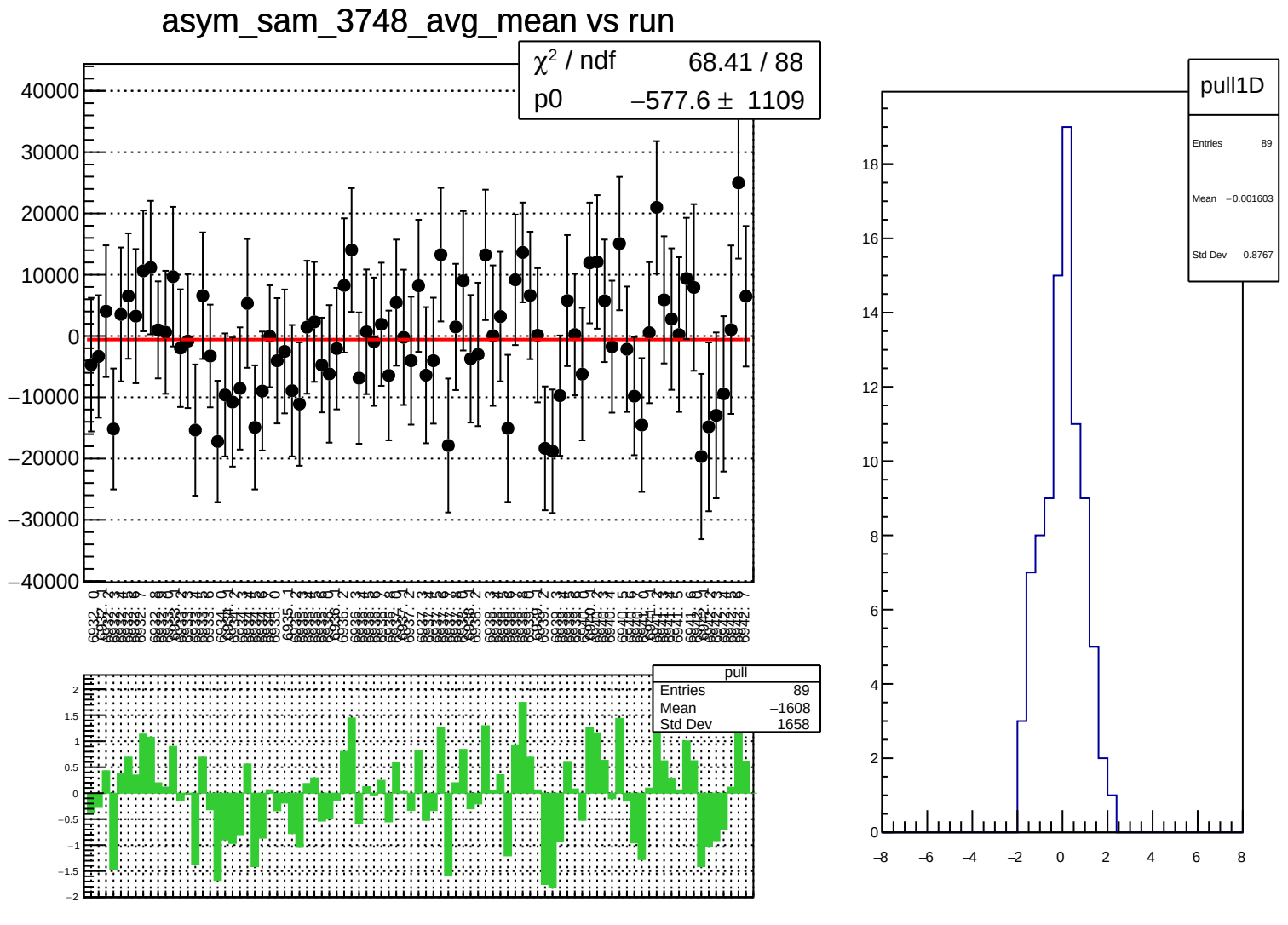
dit_asym_sam_3748_avg_rms vs run



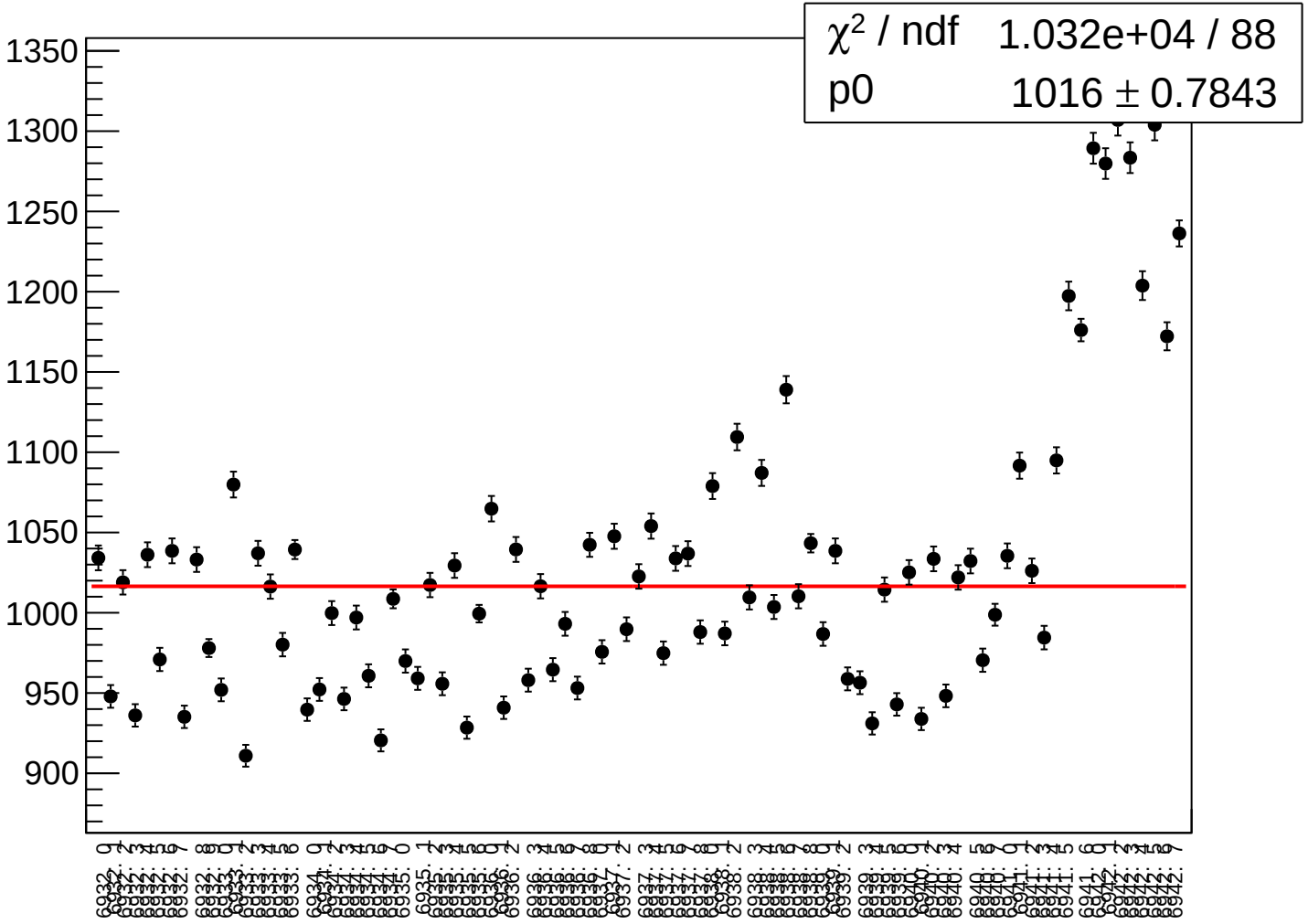

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 70.52 / 88
p0 400.7 ± 1103
pull
Entries 89
Mean −4690
Std Dev 4739
pull1D
Entries 89
Mean 0.0005997
Std Dev 0.8902

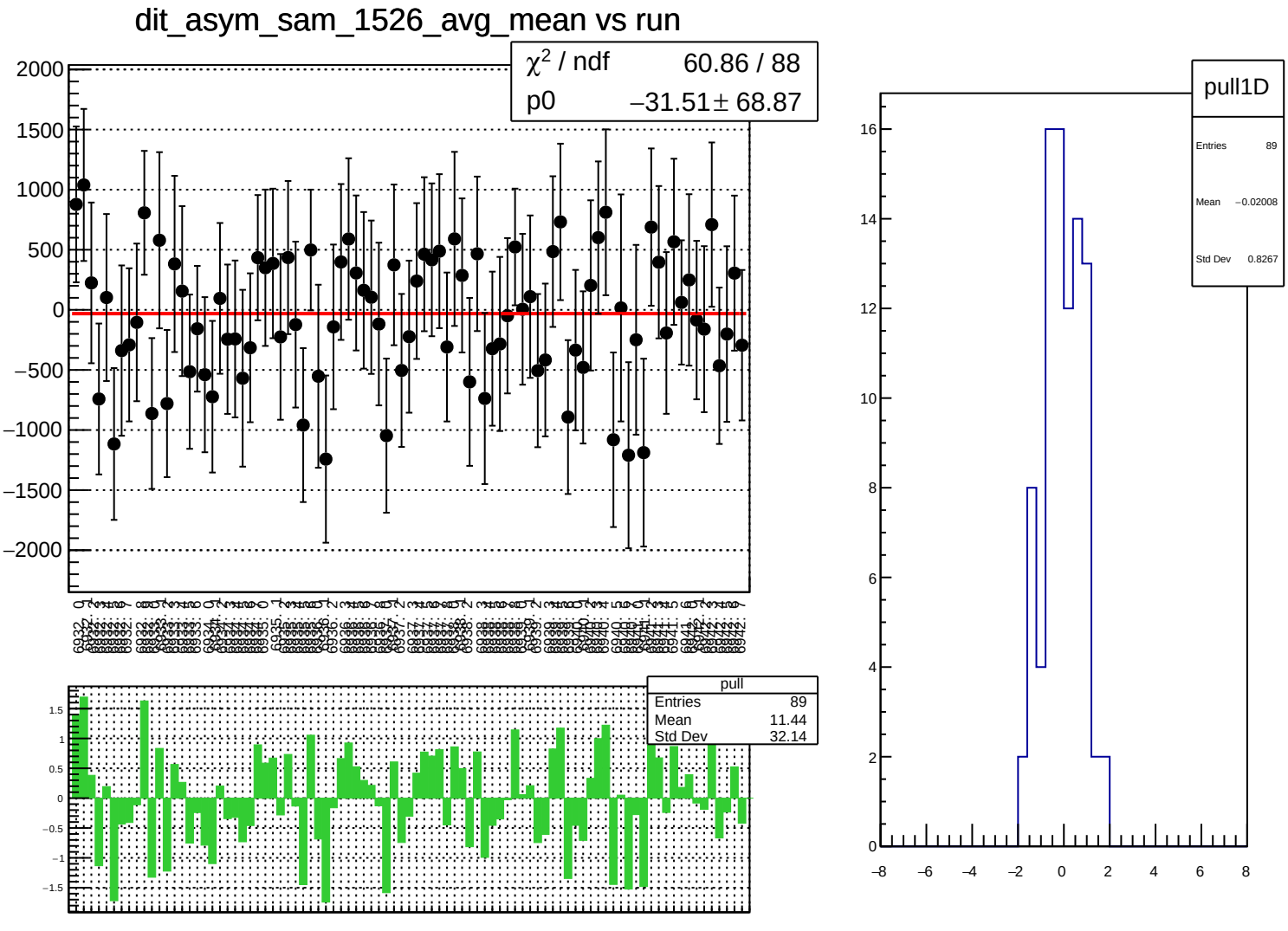
asym_sam_3748_avg_correction_rms vs run



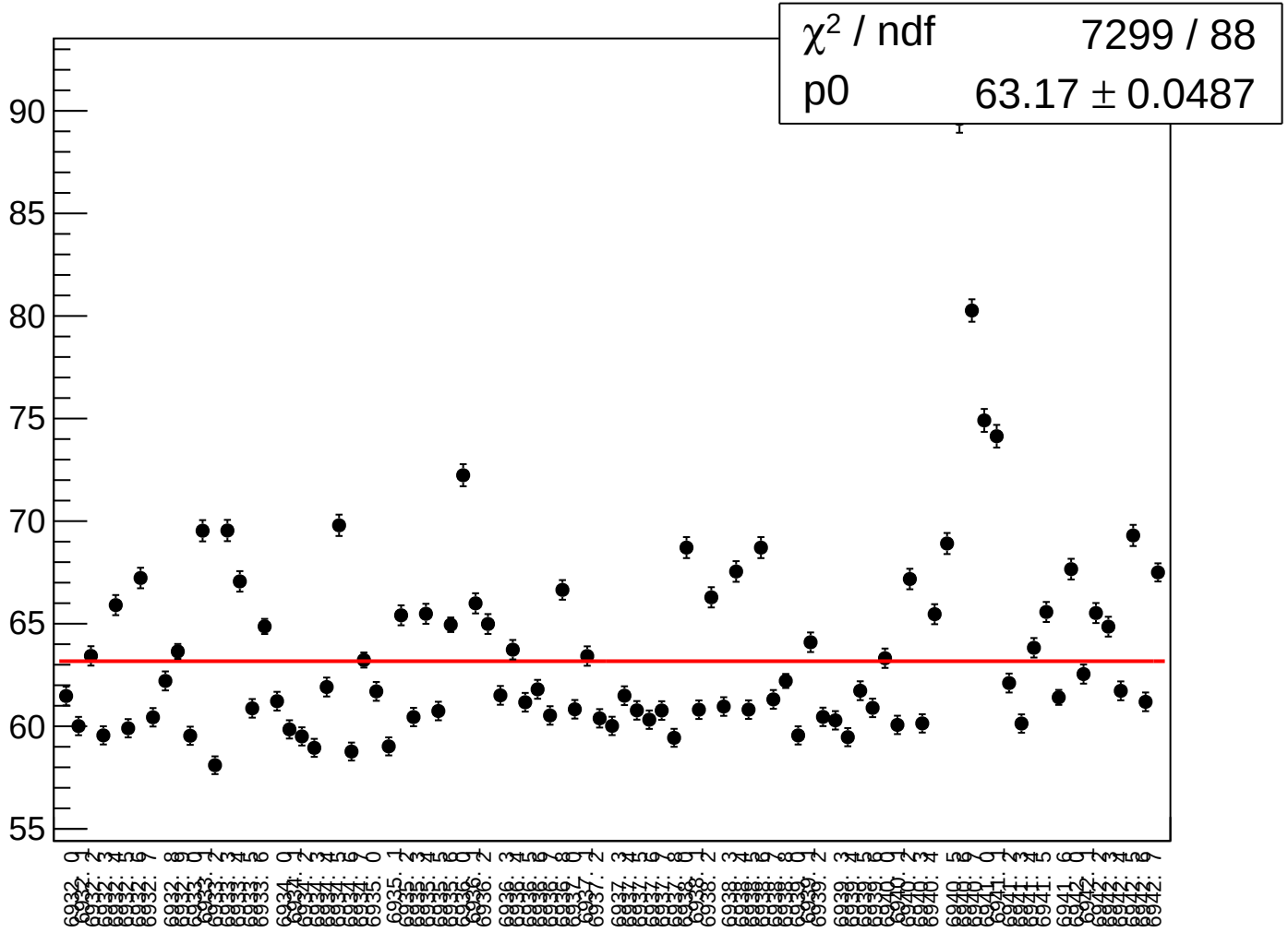

asym_sam_3748_avg_mean vs run
χ² / ndf 68.41 / 88
p0 −577.6 ± 1109
pull
Entries 89
Mean −1608
Std Dev 1658
pull1D
Entries 89
Mean −0.001603
Std Dev 0.8767

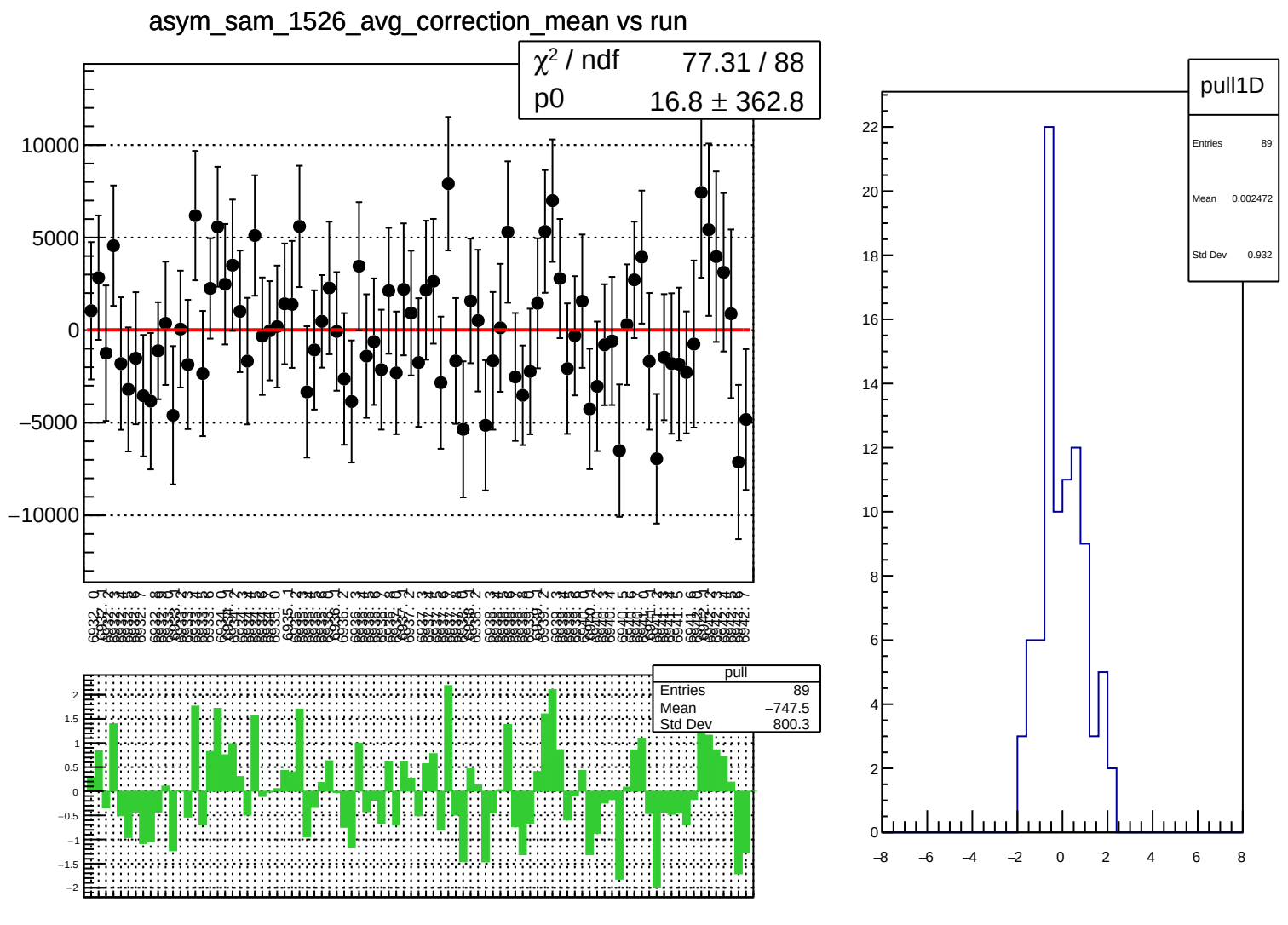
asym_sam_3748_avg_rms vs run



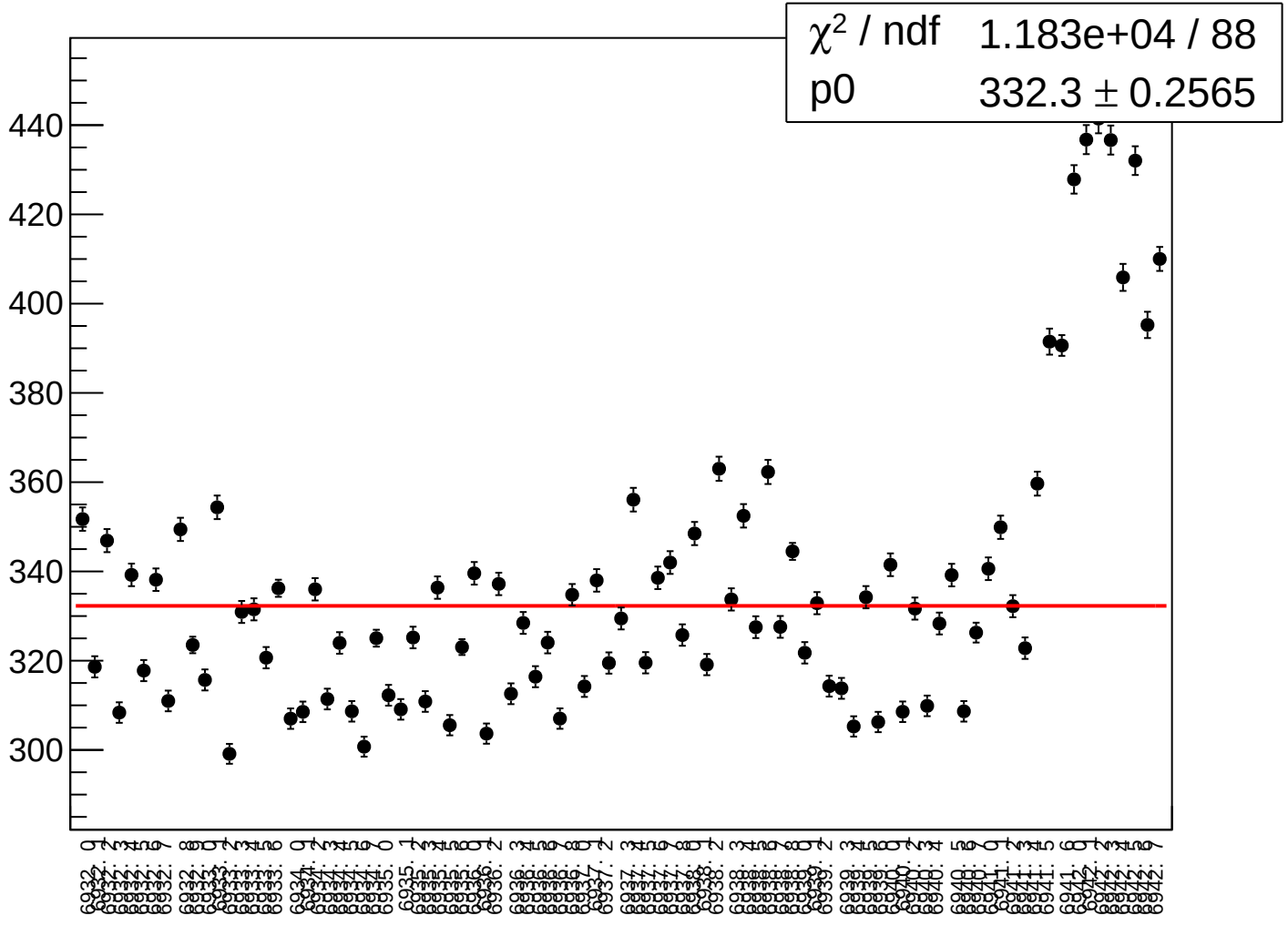

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 60.86 / 88
p0 −31.51 ± 68.87
pull
Entries 89
Mean 11.44
Std Dev 32.14
pull1D
Entries 89
Mean −0.02008
Std Dev 0.8267

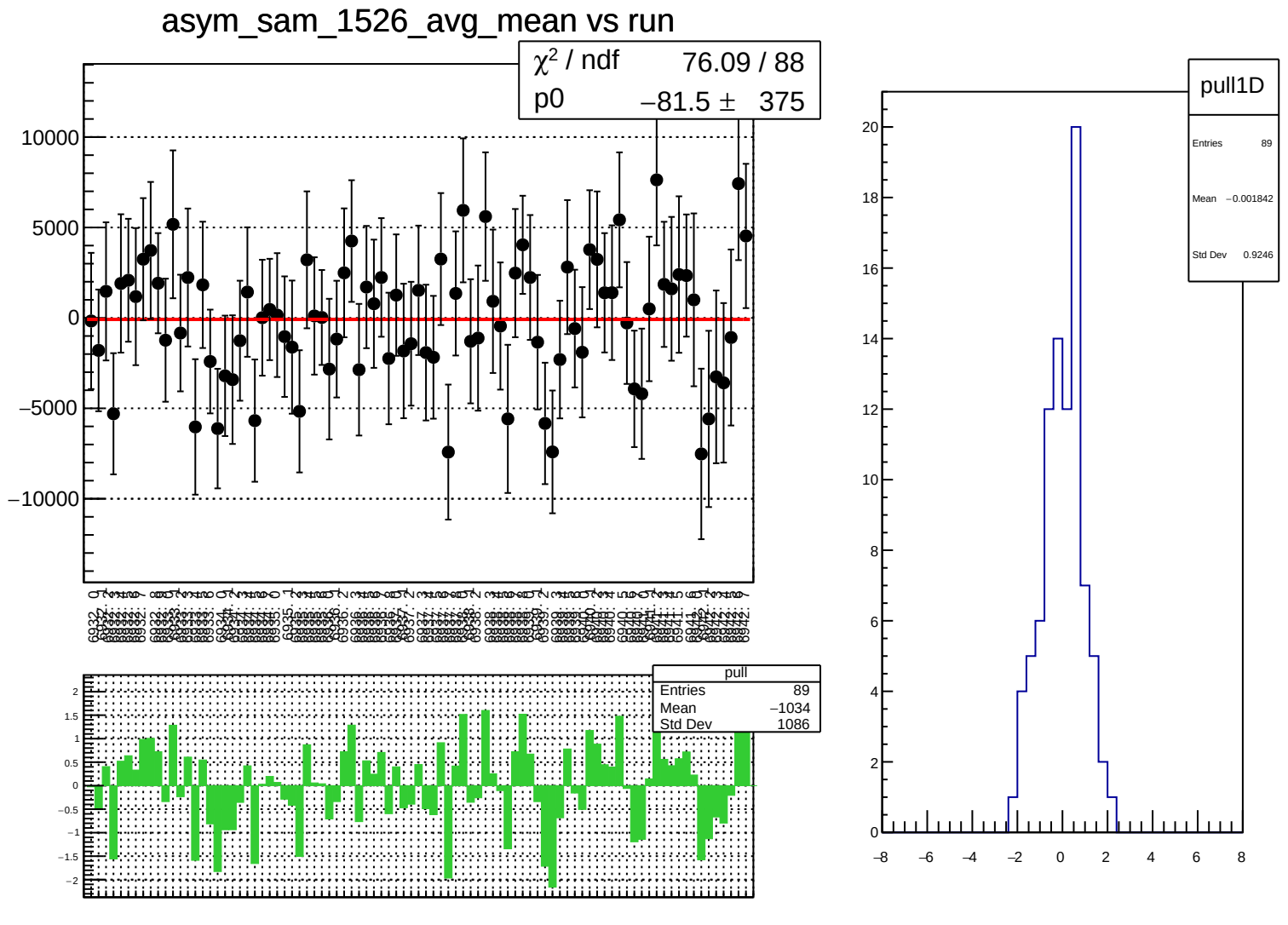
dit_asym_sam_1526_avg_rms vs run



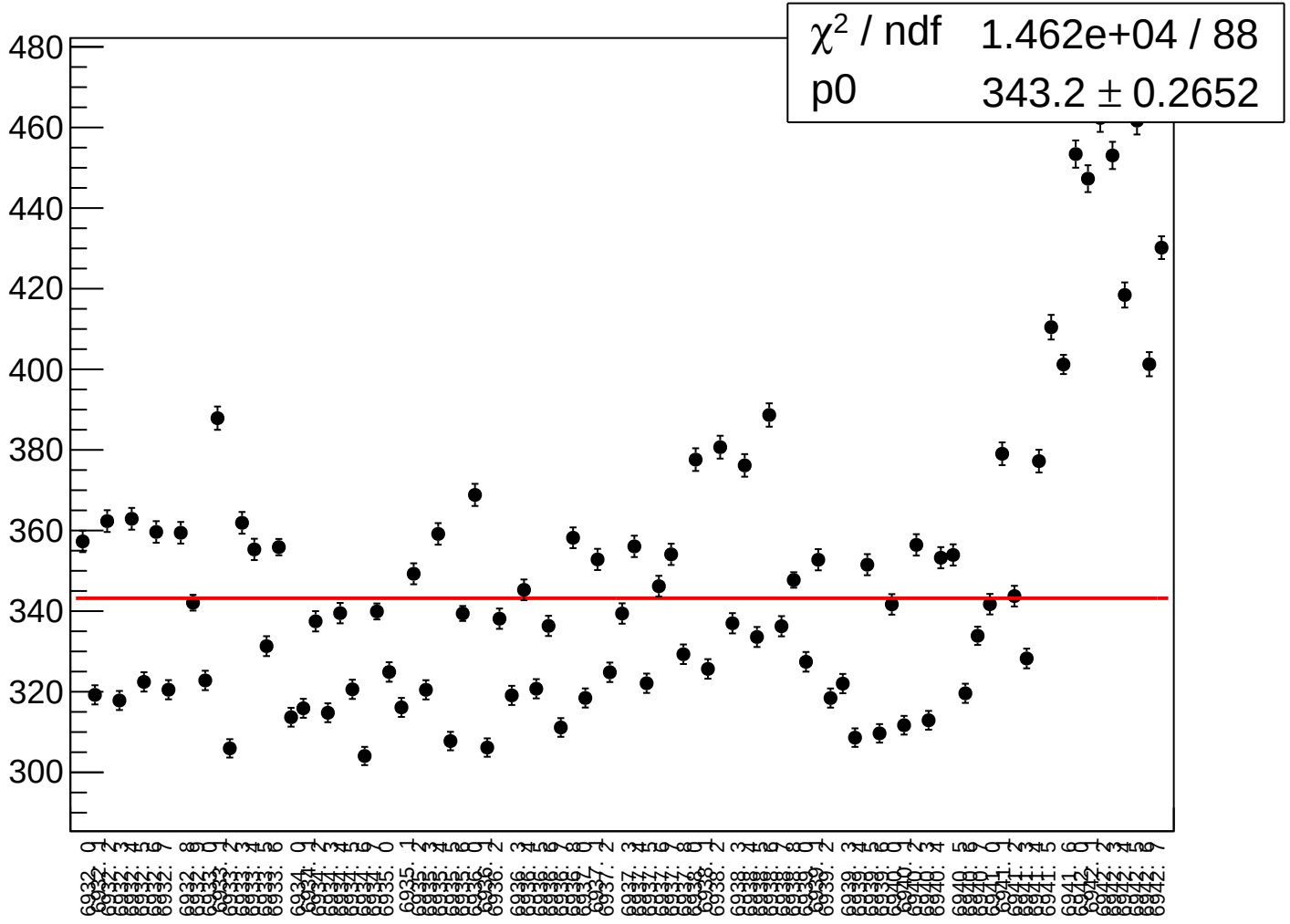

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 77.31 / 88
p0 16.8 ± 362.8
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −747.5
Std Dev 800.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.002472
Std Dev 0.932
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

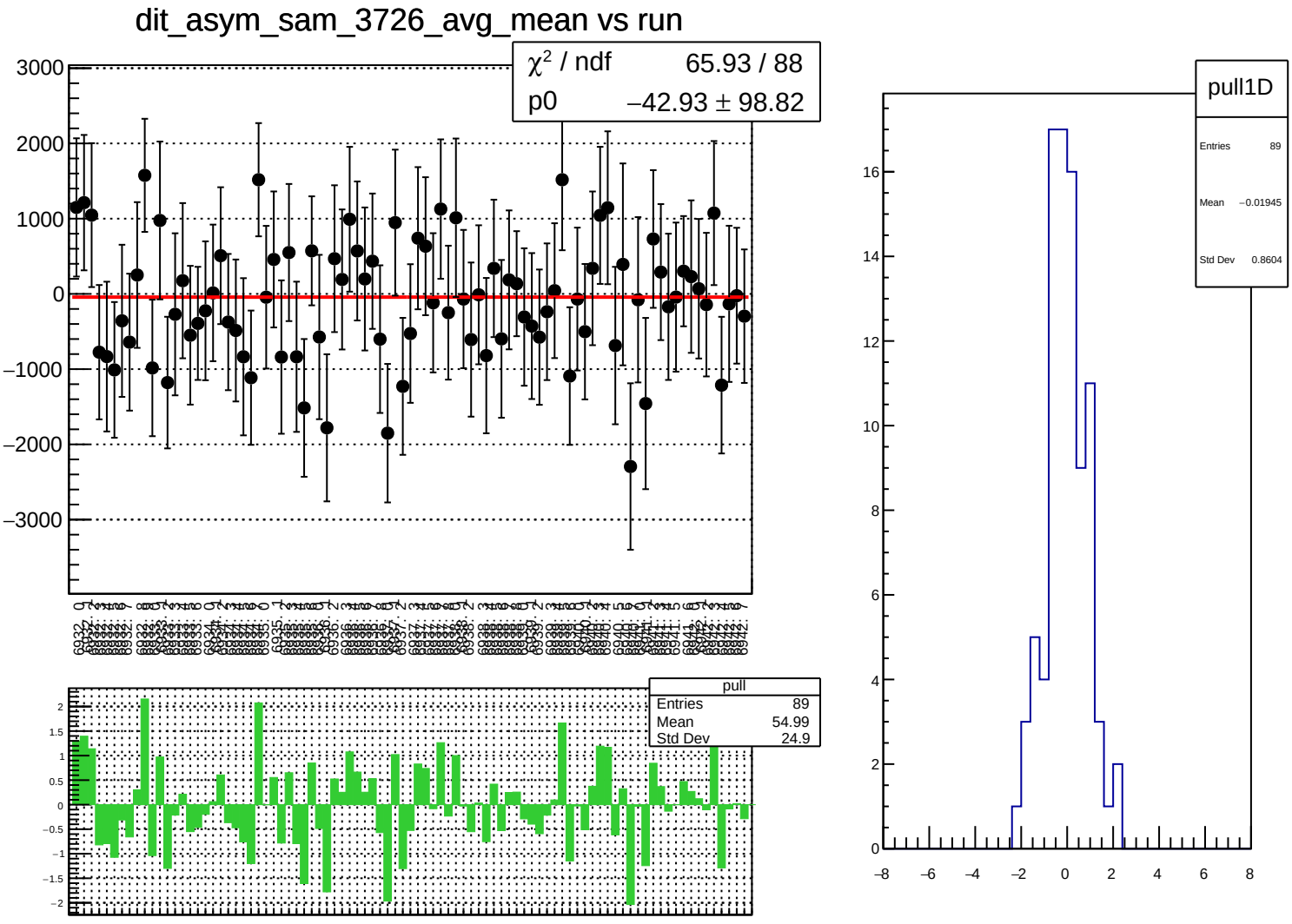
asym_sam_1526_avg_correction_rms vs run



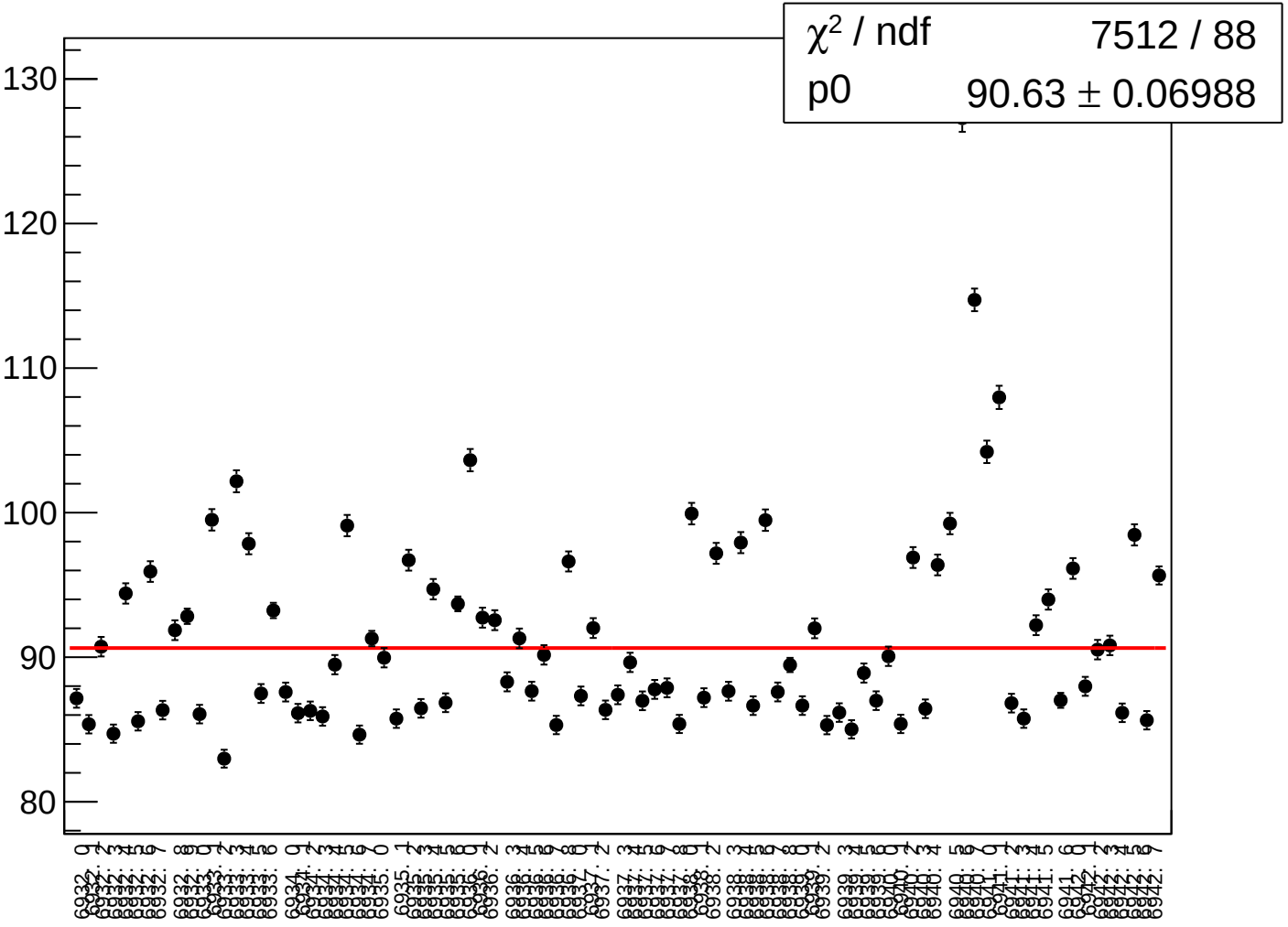

asym_sam_1526_avg_mean vs run
χ² / ndf 76.09 / 88
p0 −81.5 ± 375
pull
Entries 89
Mean −1034
Std Dev 1086
pull1D
Entries 89
Mean −0.001842
Std Dev 0.9246

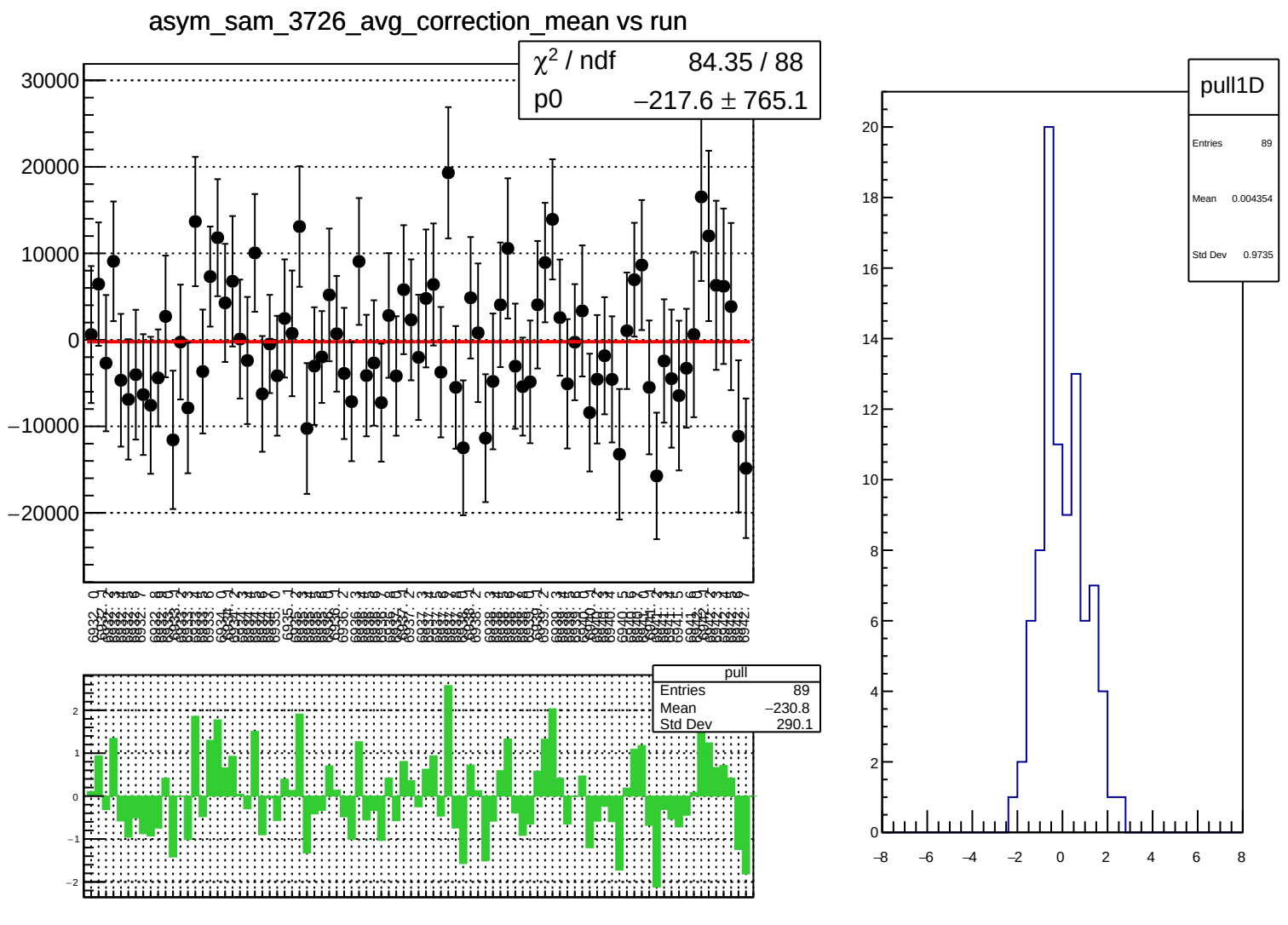
asym_sam_1526_avg_rms vs run



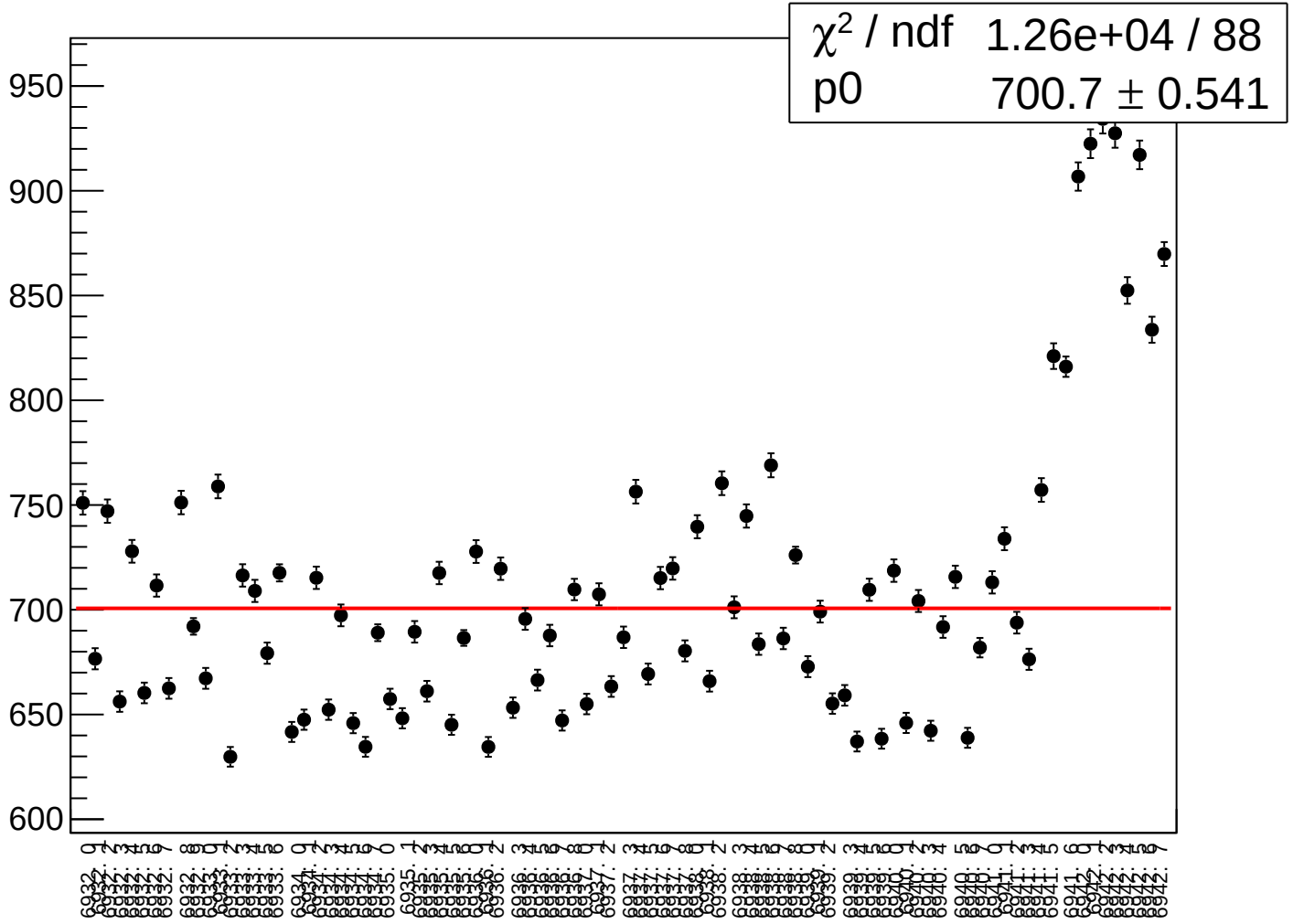

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 65.93 / 88
p0 −42.93 ± 98.82
pull
Entries 89
Mean 54.99
Std Dev 24.9
pull1D
Entries 89
Mean −0.01945
Std Dev 0.8604

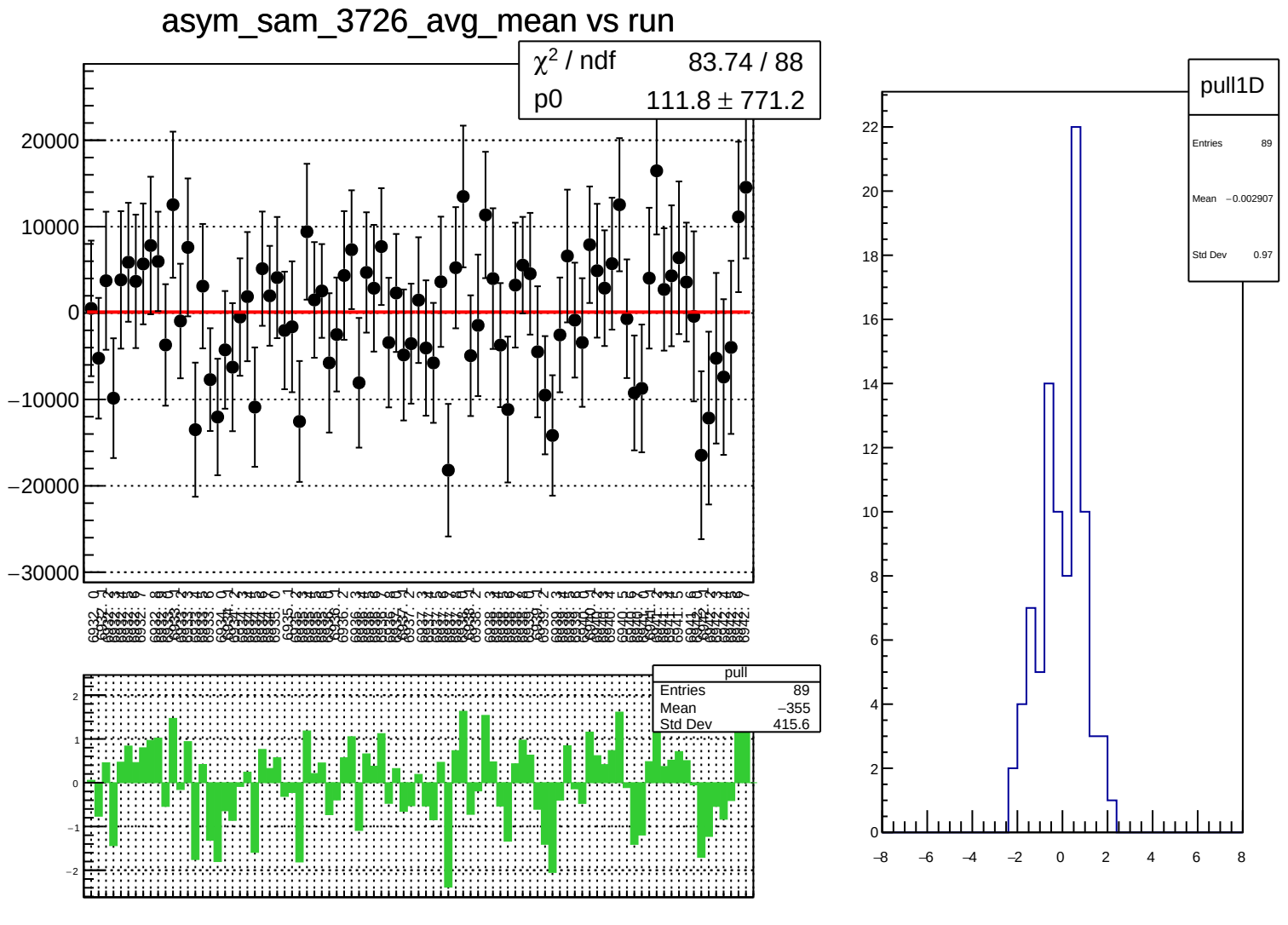
dit_asym_sam_3726_avg_rms vs run



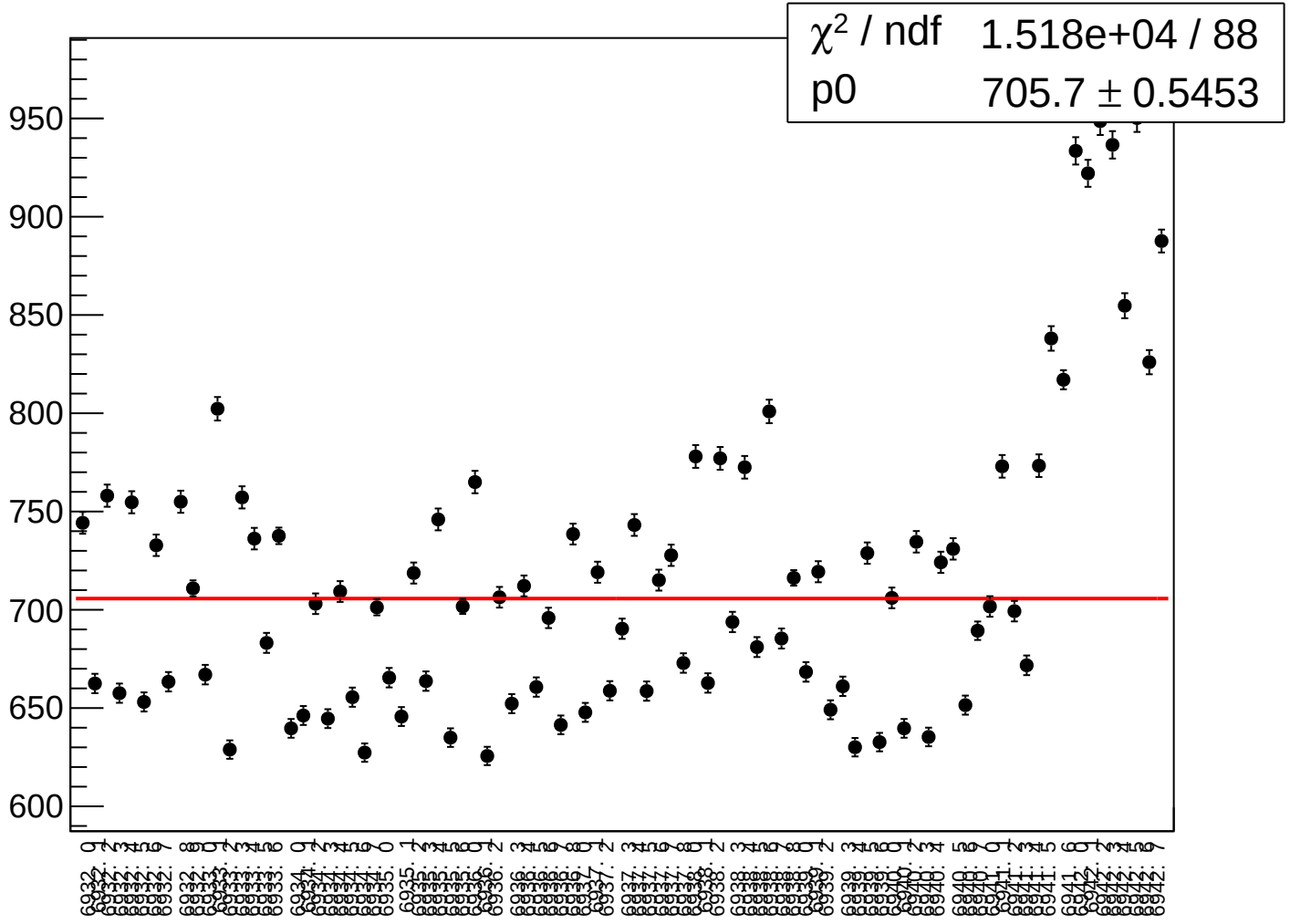

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 84.35 / 88
p0 −217.6 ± 765.1
30000
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −230.8
Std Dev 290.1
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.004354
Std Dev 0.9735
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

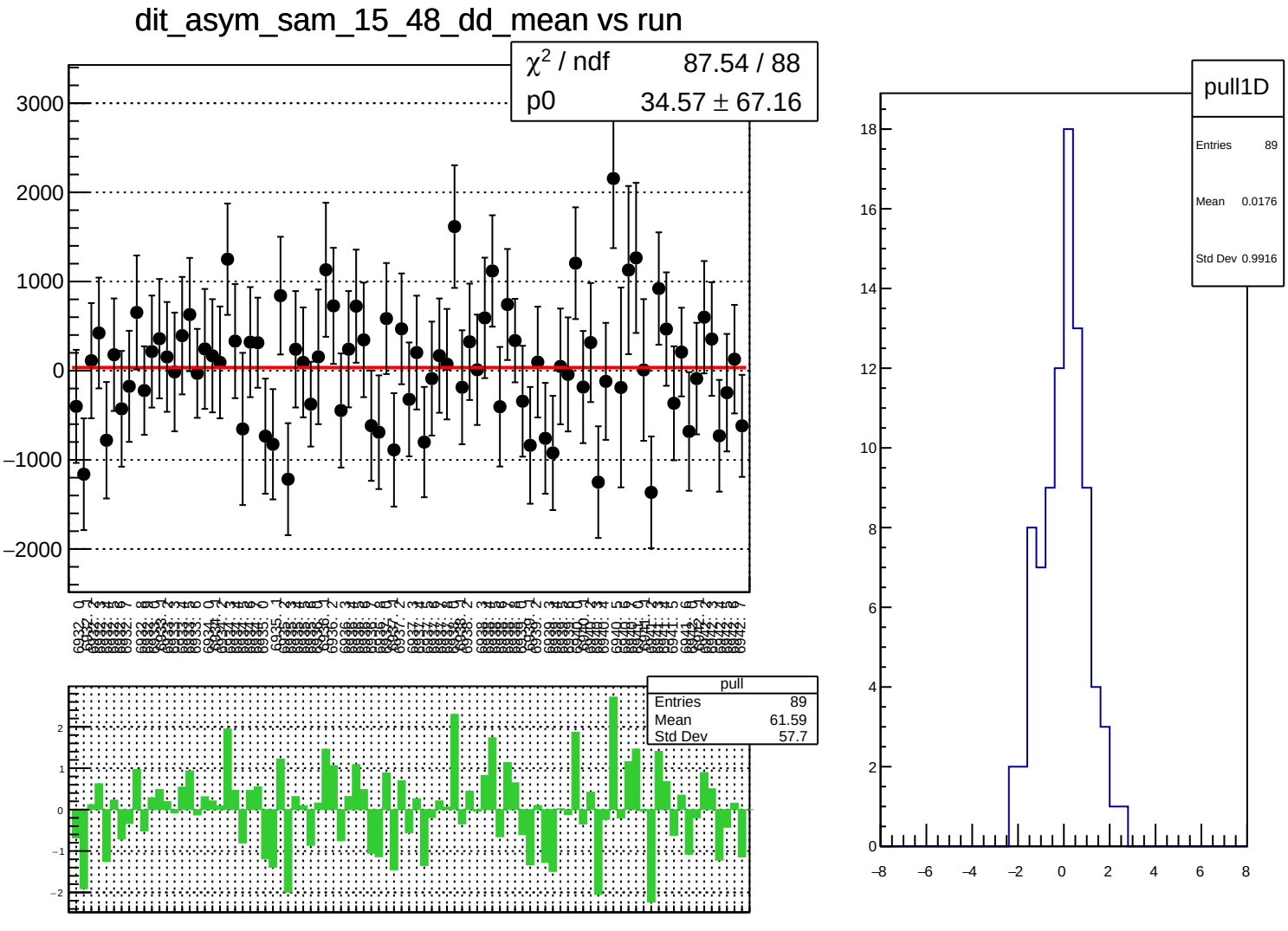
asym_sam_3726_avg_correction_rms vs run



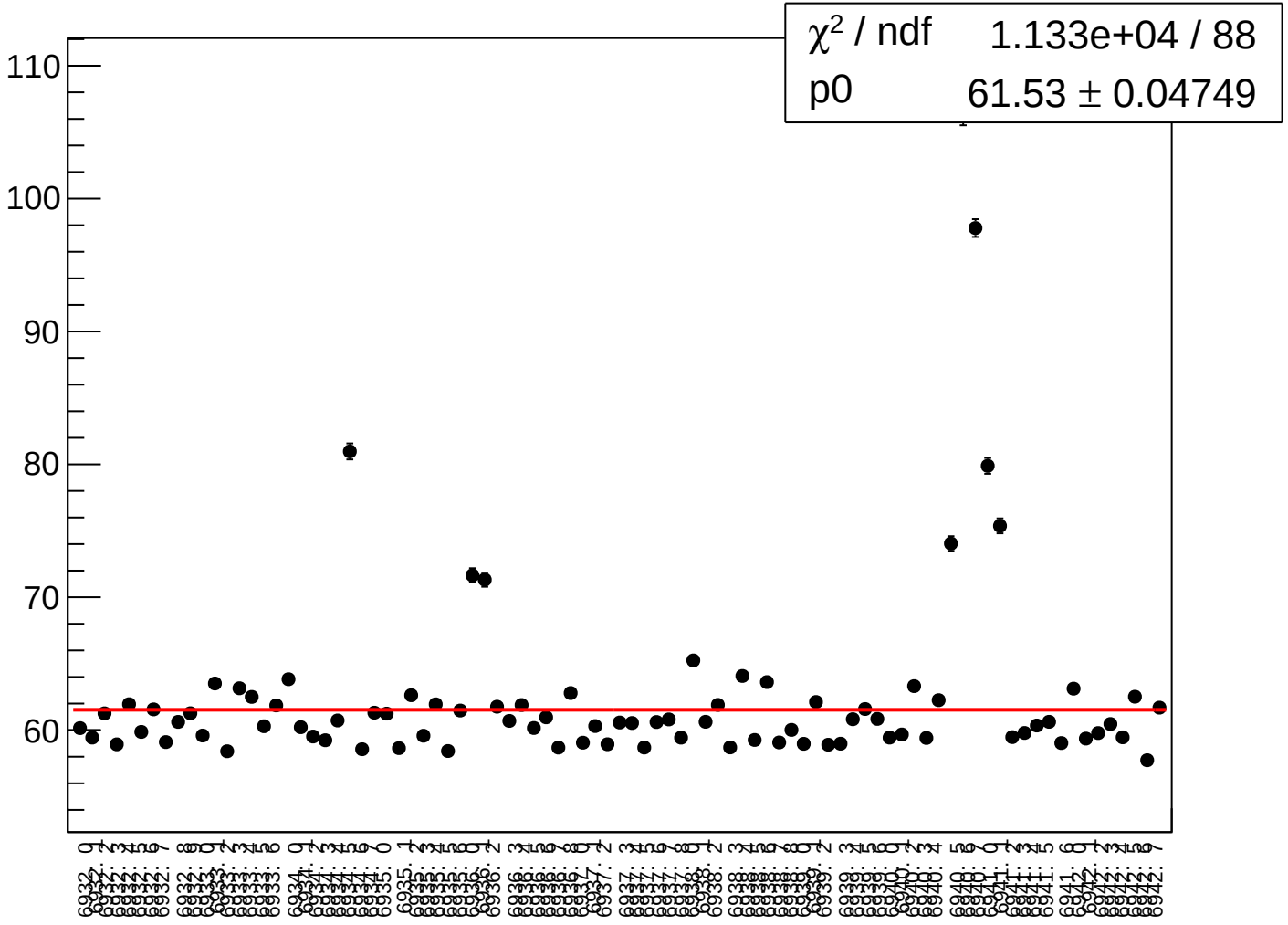

asym_sam_3726_avg_mean vs run
χ² / ndf 83.74 / 88
p0 111.8 ± 771.2
pull
Entries 89
Mean −355
Std Dev 415.6
pull1D
Entries 89
Mean −0.002907
Std Dev 0.97

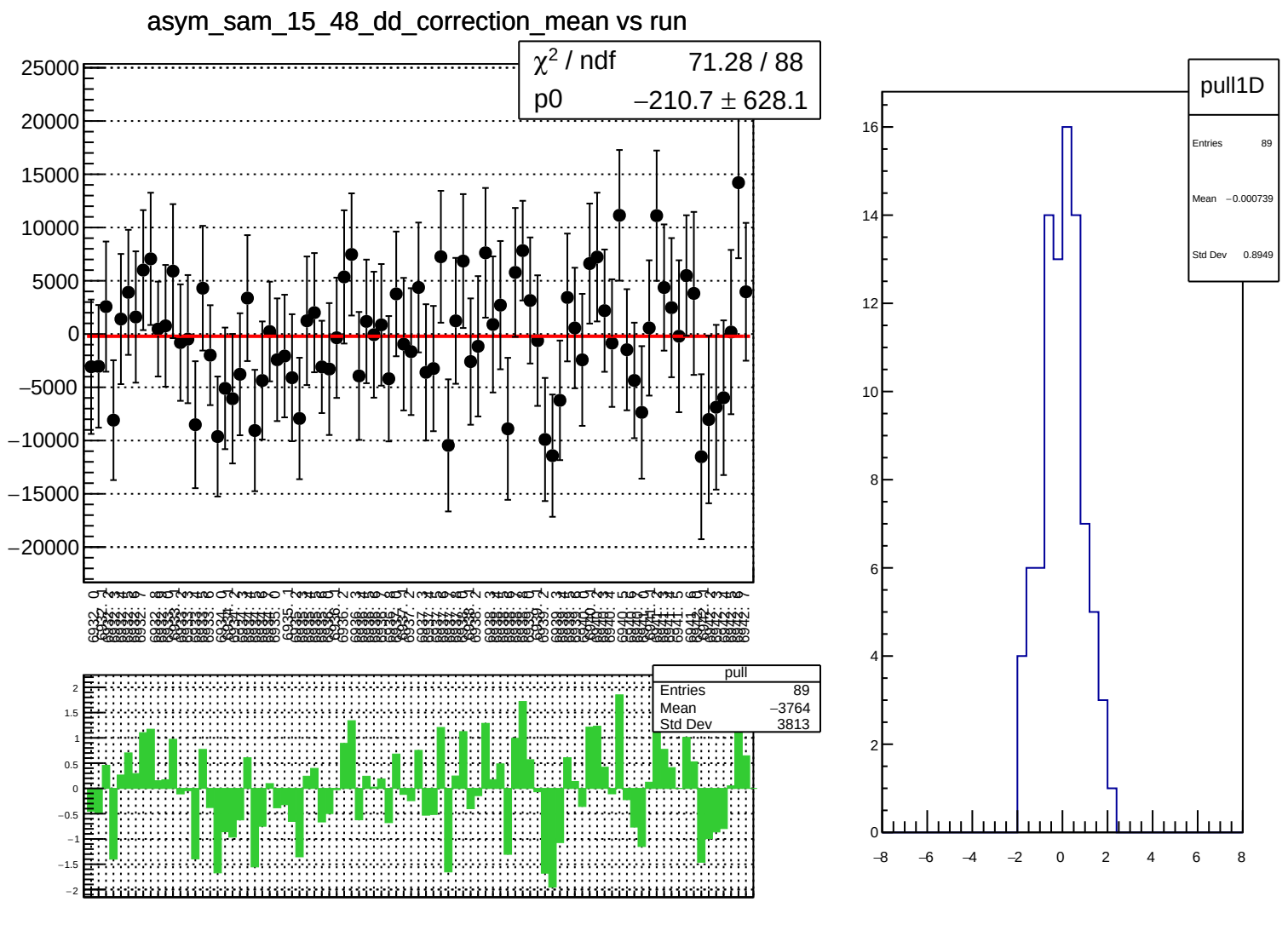
asym_sam_3726_avg_rms vs run

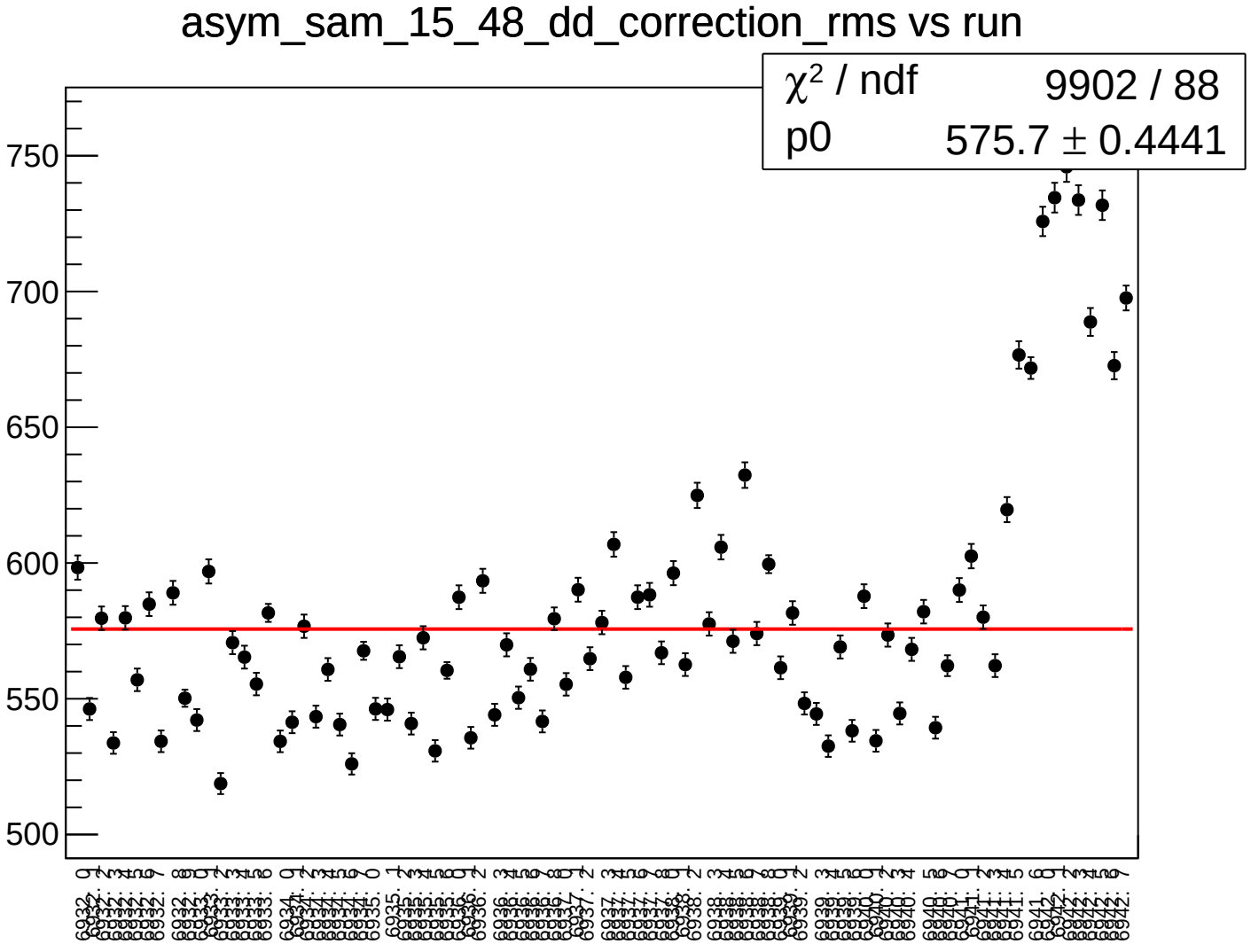


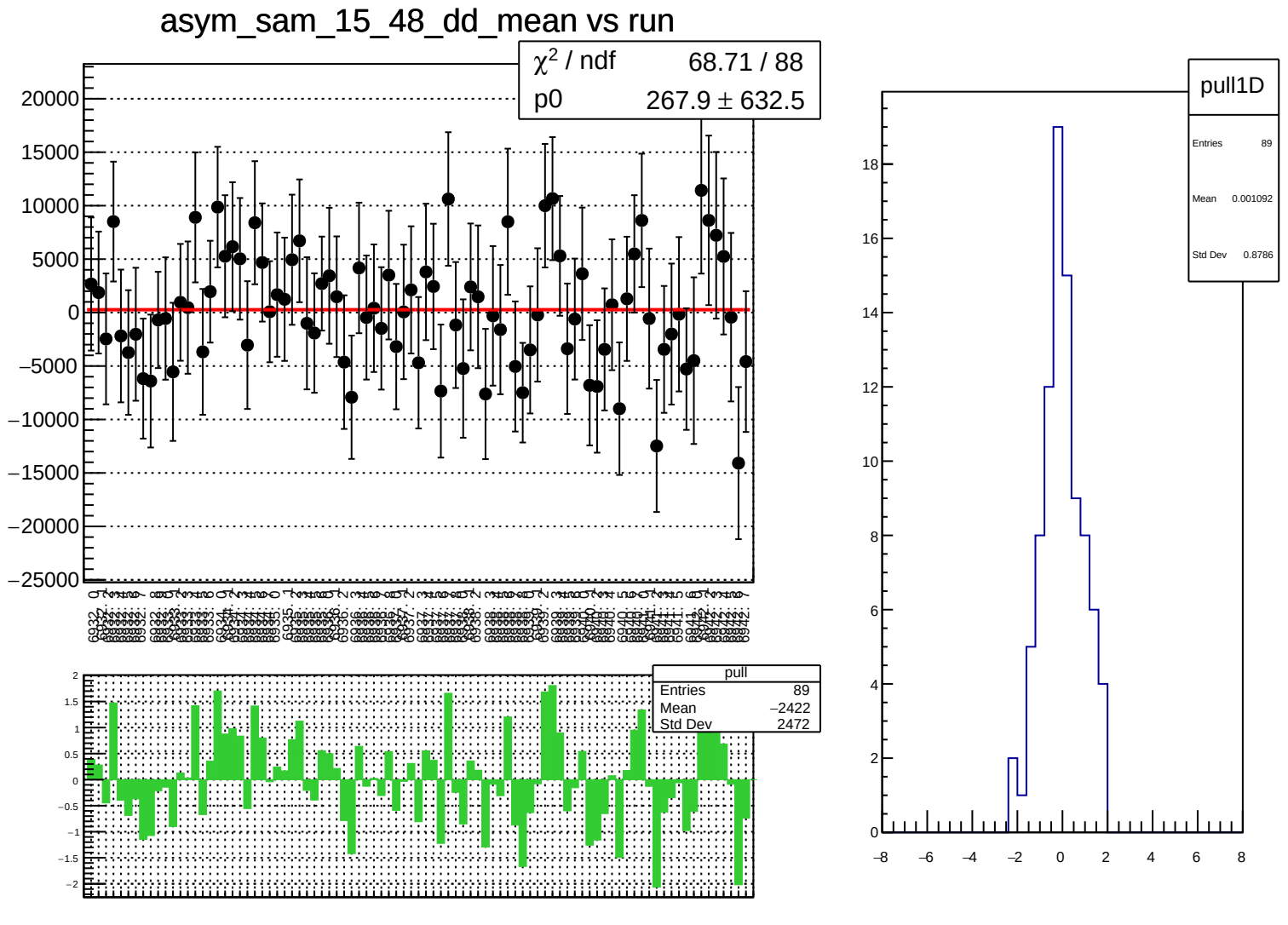

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 87.54 / 88
p0 34.57 ± 67.16
pull
Entries 89
Mean 61.59
Std Dev 57.7
pull1D
Entries 89
Mean 0.0176
Std Dev 0.9916

dit_asym_sam_15_48_dd_rms vs run

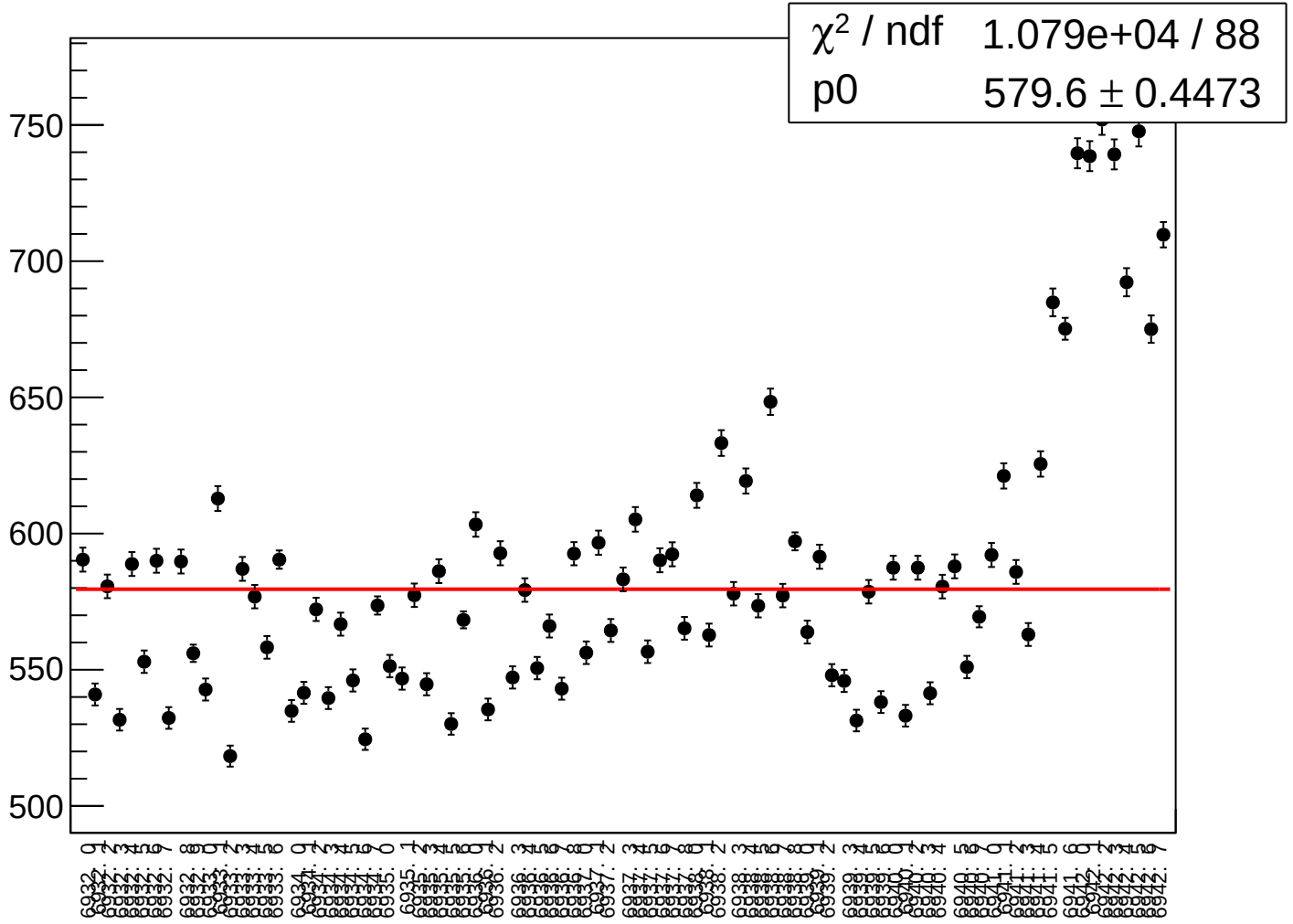


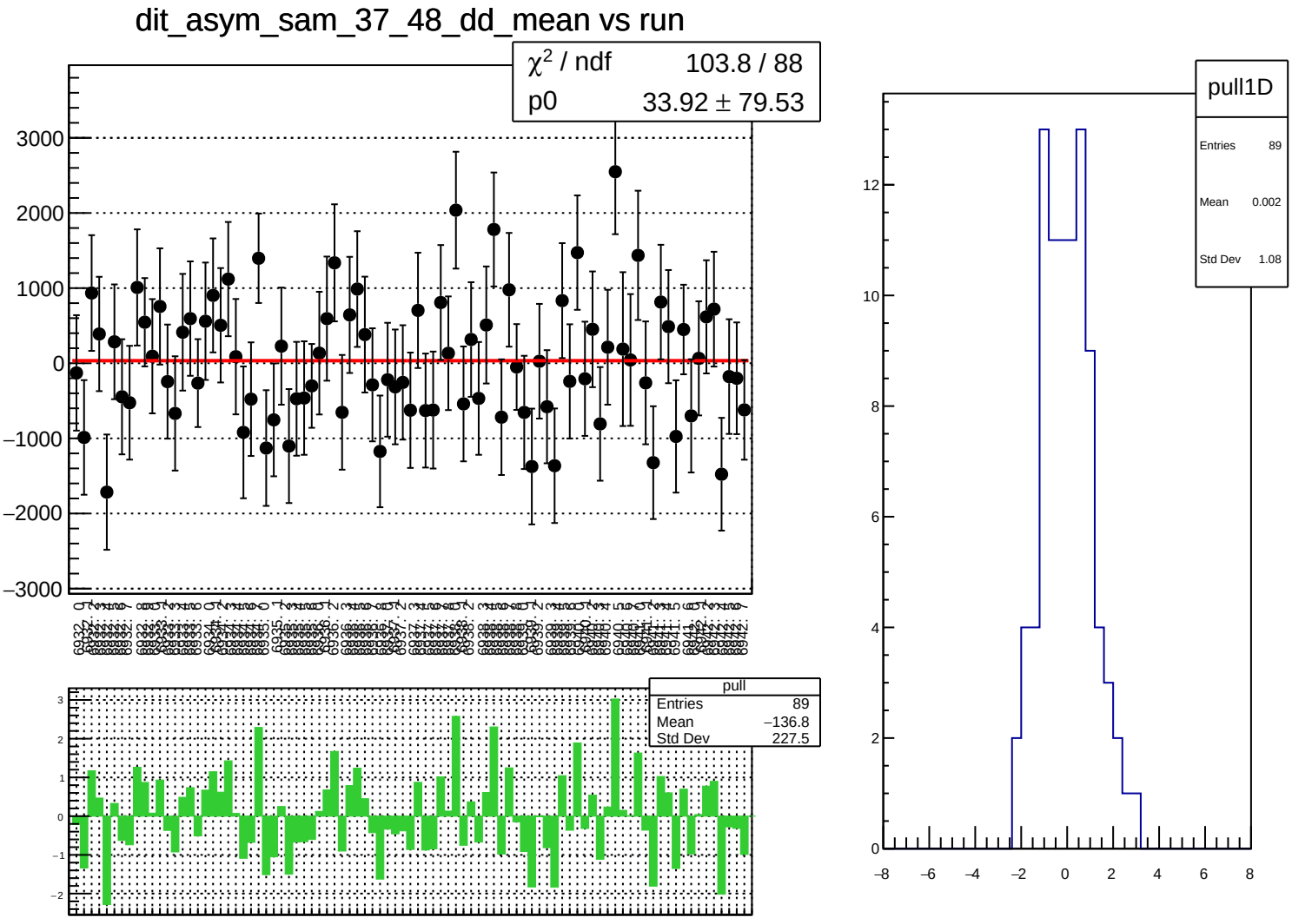

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 71.28 / 88
p0 −210.7 ± 628.1
pull
Entries 89
Mean −3764
Std Dev 3813
pull1D
Entries 89
Mean −0.000739
Std Dev 0.8949


asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 9902 / 88
p0 575.7 ± 0.4441
750
700
650
600
550
500

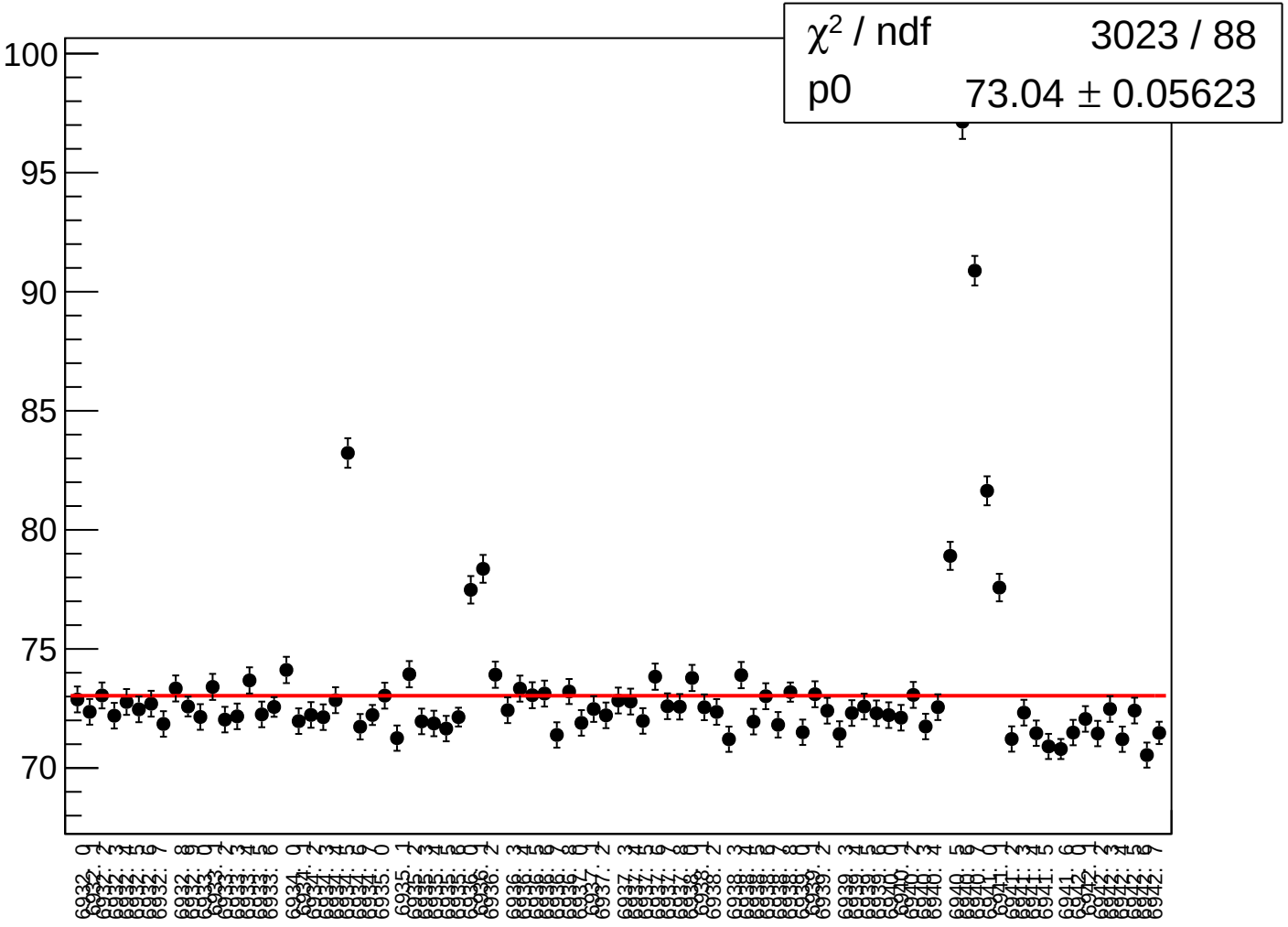

asym_sam_15_48_dd_mean vs run
χ² / ndf 68.71 / 88
p0 267.9 ± 632.5
pull
Entries 89
Mean −2422
Std Dev 2472
pull1D
Entries 89
Mean 0.001092
Std Dev 0.8786

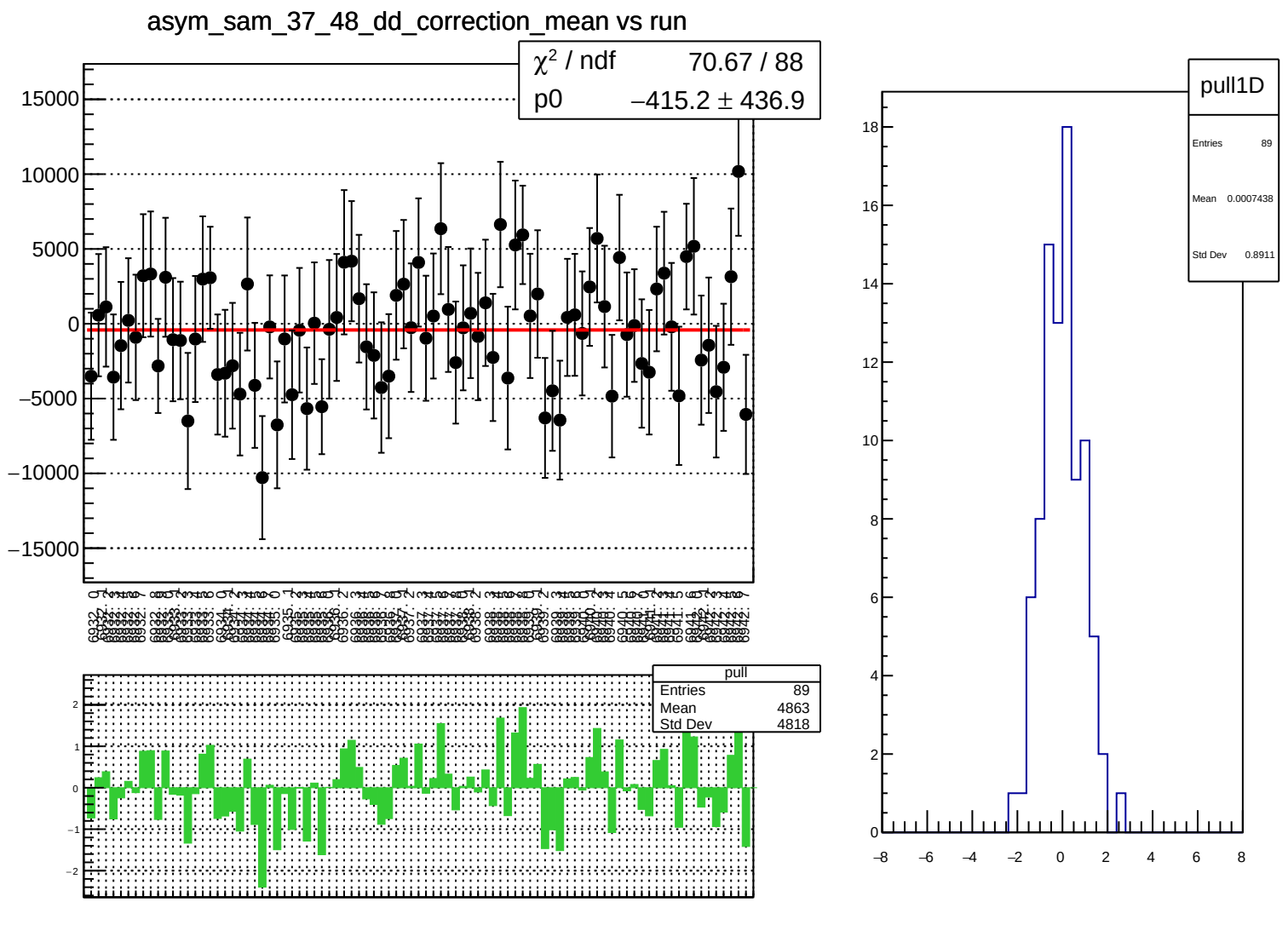
asym_sam_15_48_dd_rms vs run



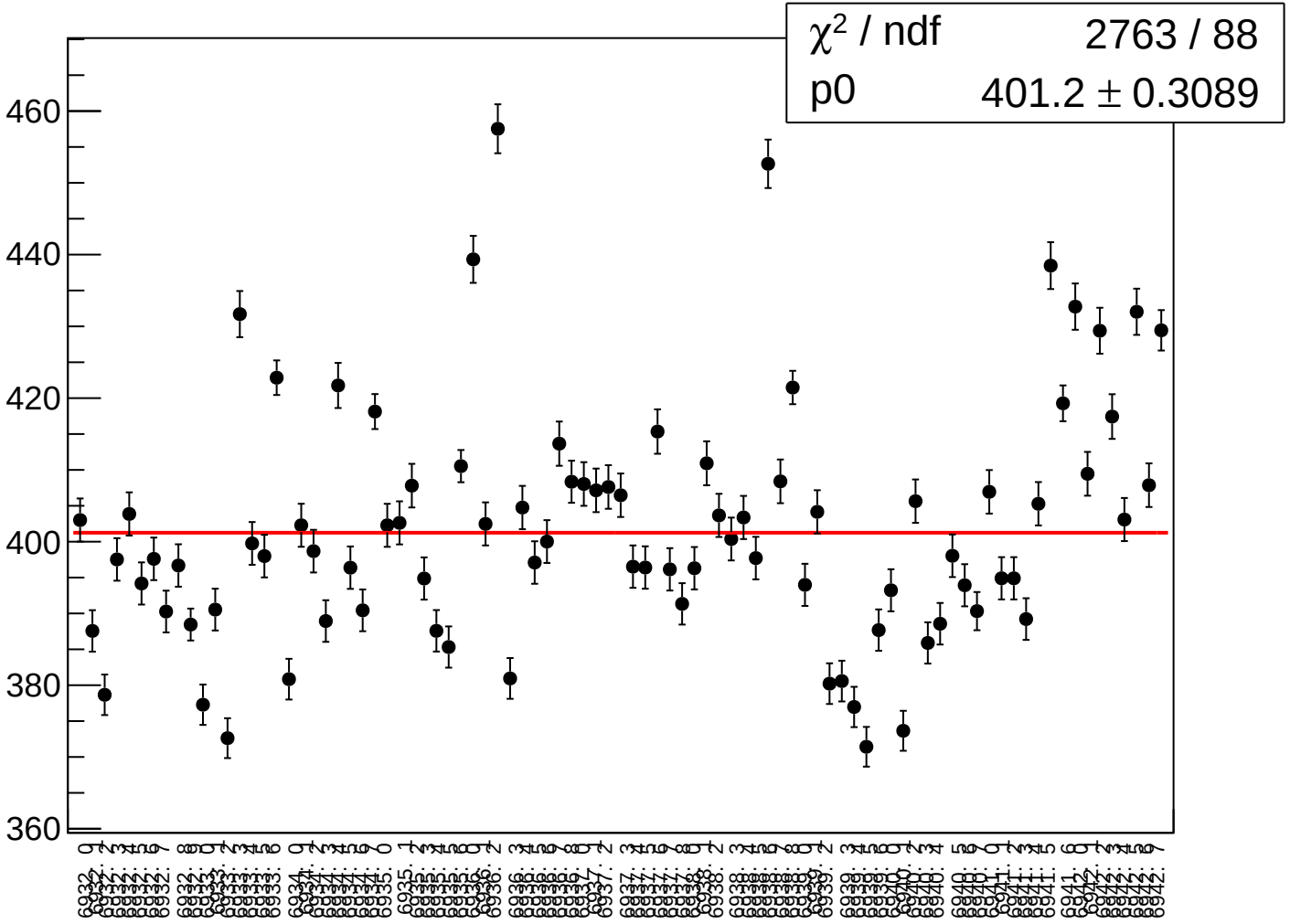

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 103.8 / 88
p0 33.92 ± 79.53
pull
Entries 89
Mean −136.8
Std Dev 227.5
pull1D
Entries 89
Mean 0.002
Std Dev 1.08

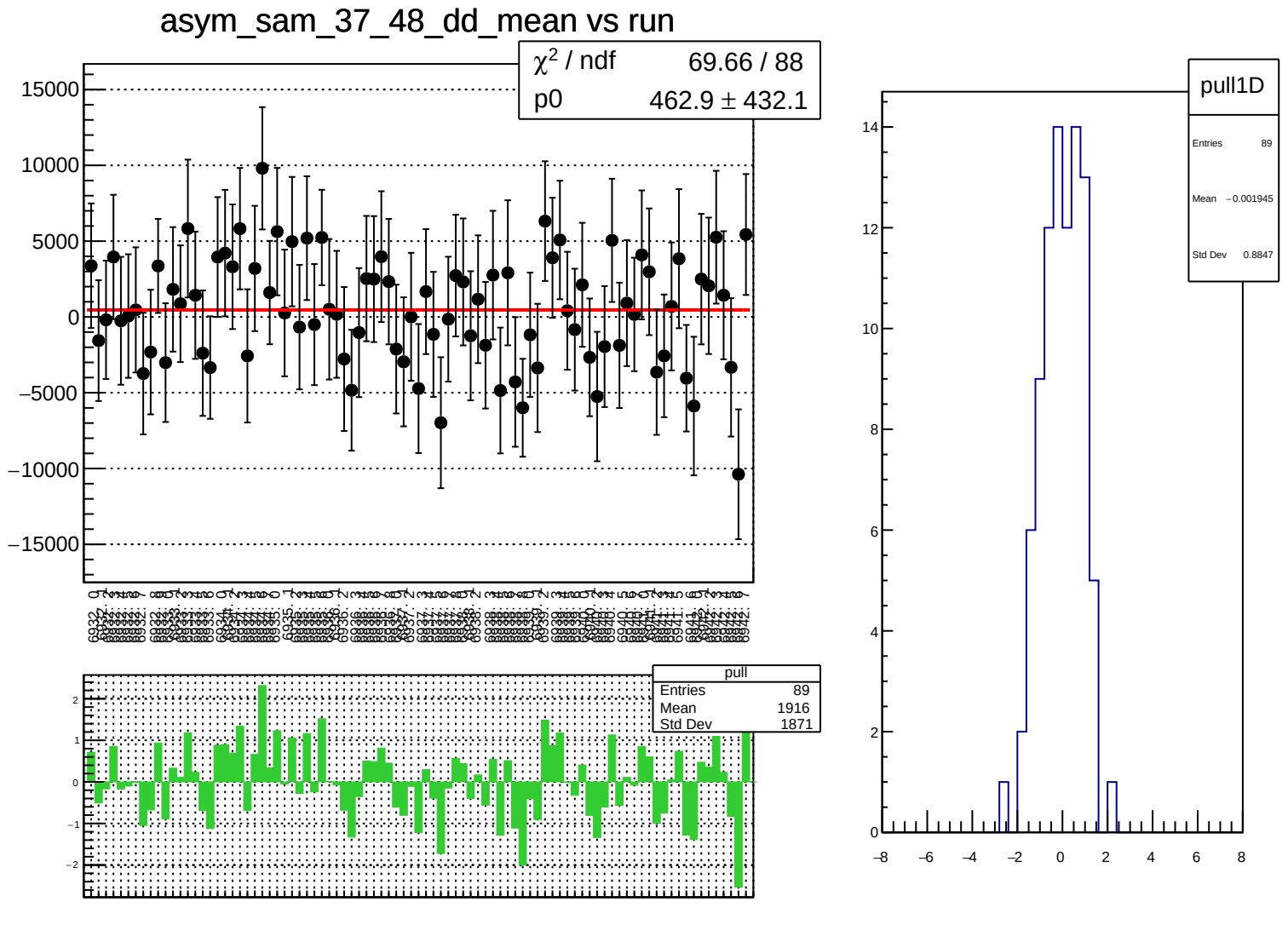
dit_asym_sam_37_48_dd_rms vs run



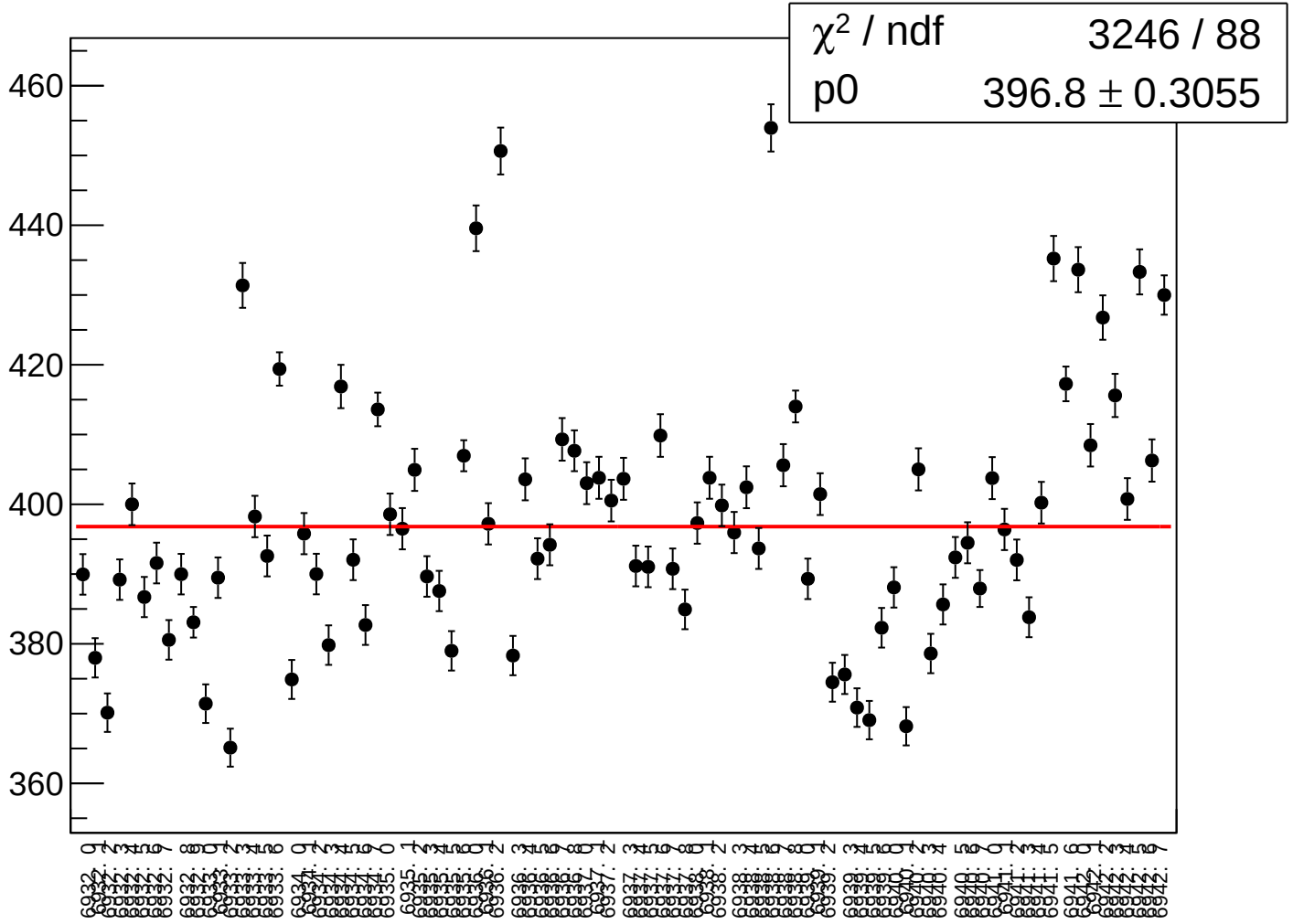

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 70.67 / 88
p0 −415.2 ± 436.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 4863
Std Dev 4818
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.0007438
Std Dev 0.8911
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

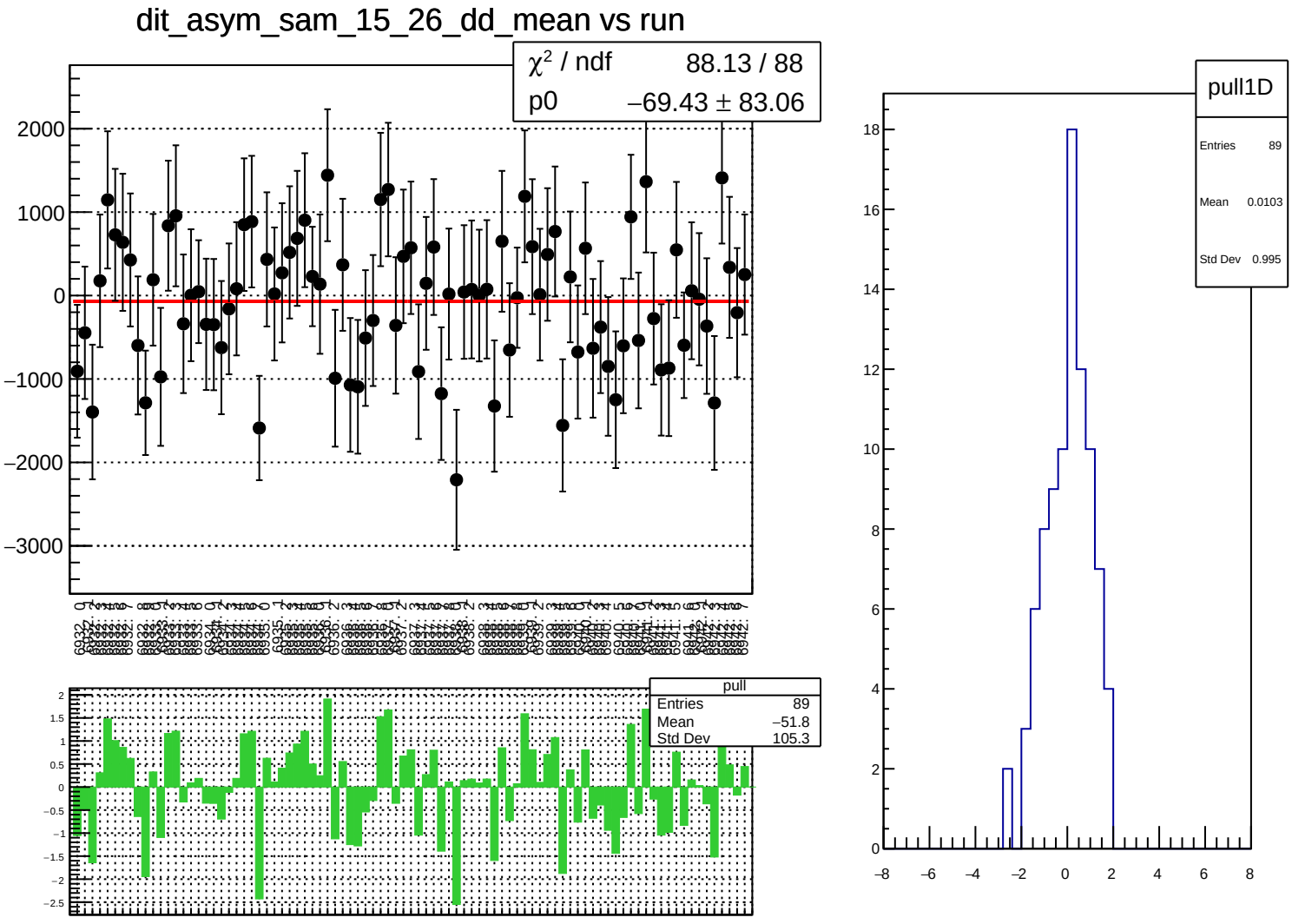
asym_sam_37_48_dd_correction_rms vs run



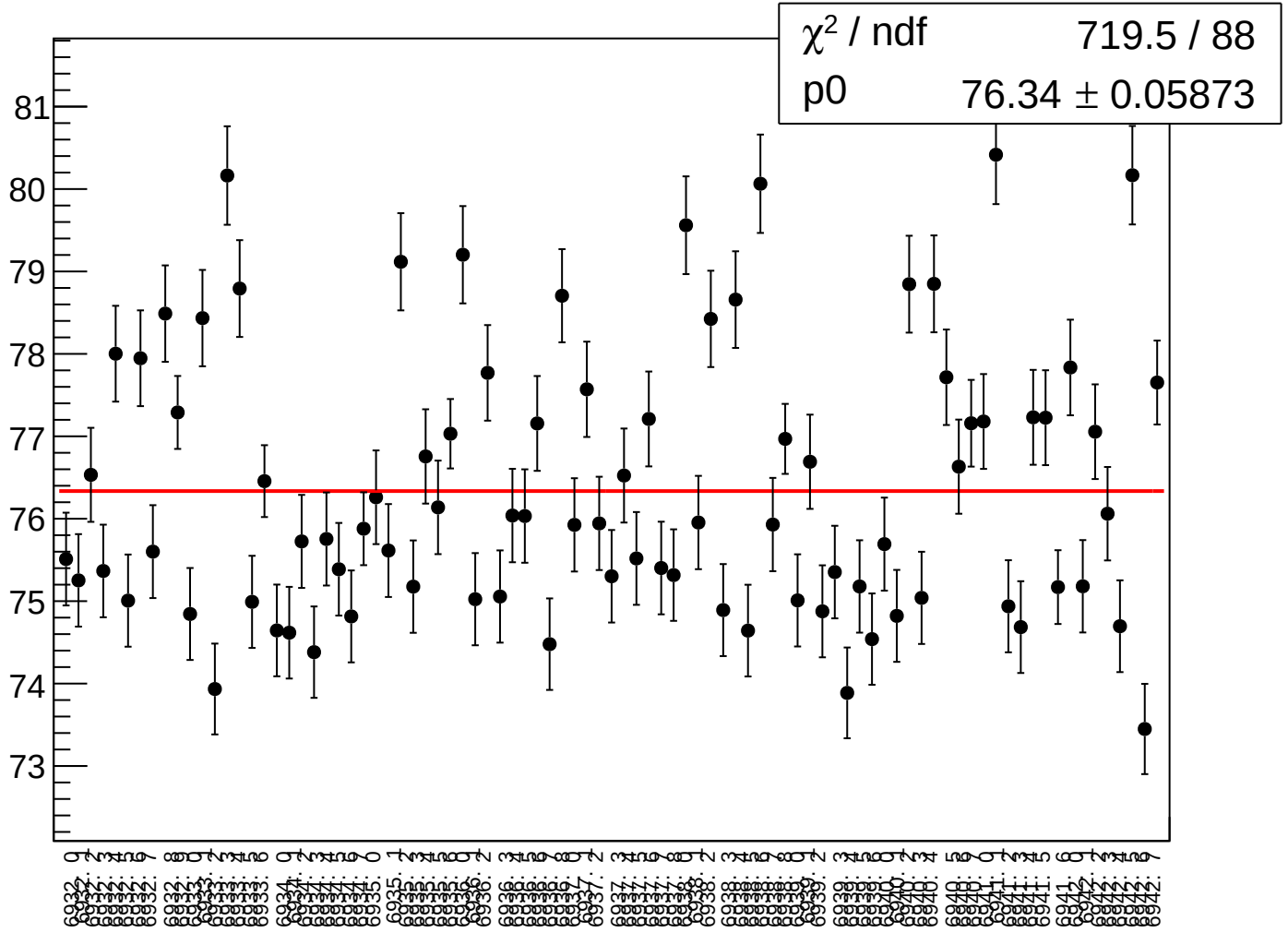

asym_sam_37_48_dd_mean vs run
χ² / ndf 69.66 / 88
p0 462.9 ± 432.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 1916
Std Dev 1871
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.001945
Std Dev 0.8847
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

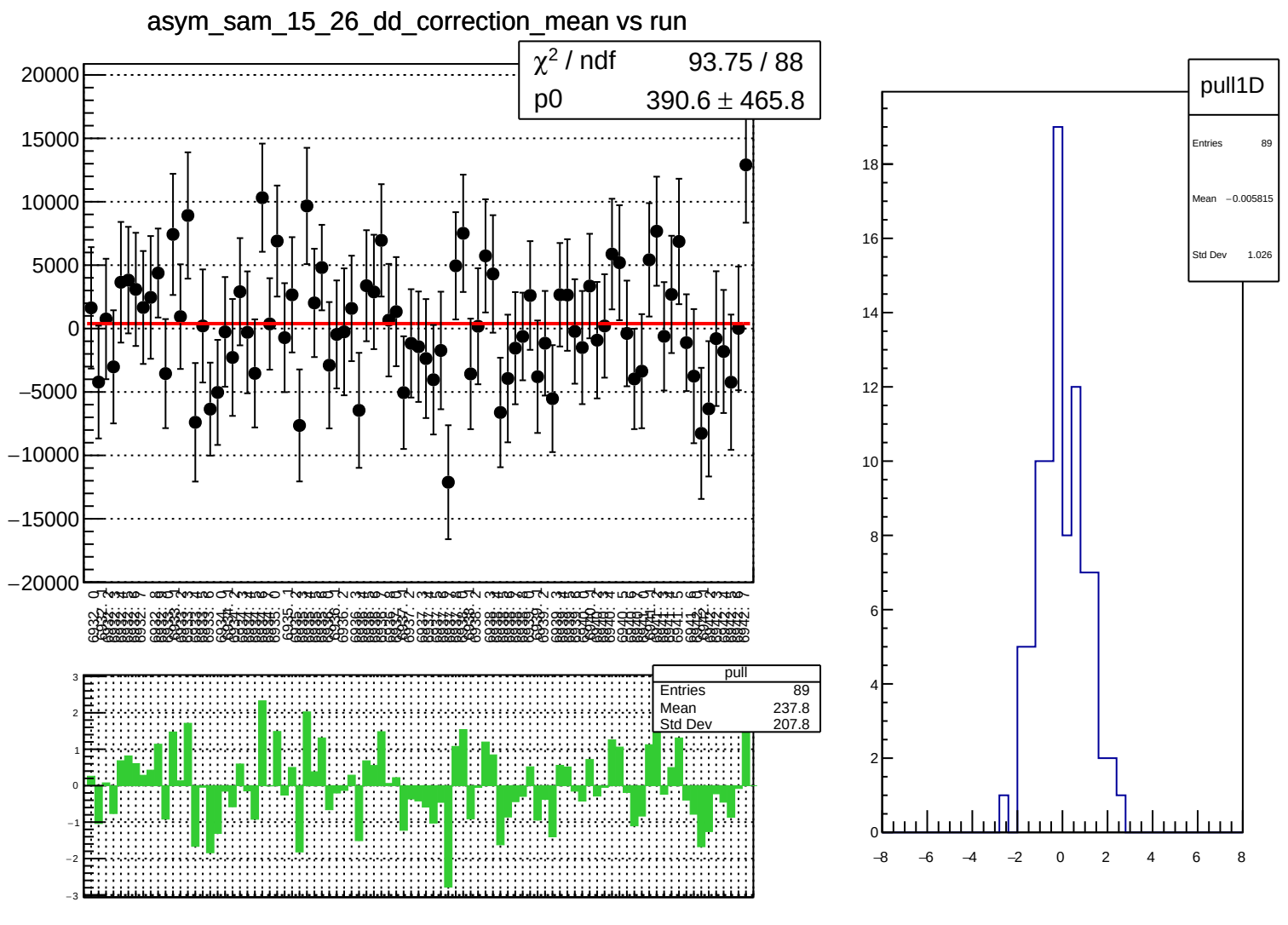
asym_sam_37_48_dd_rms vs run



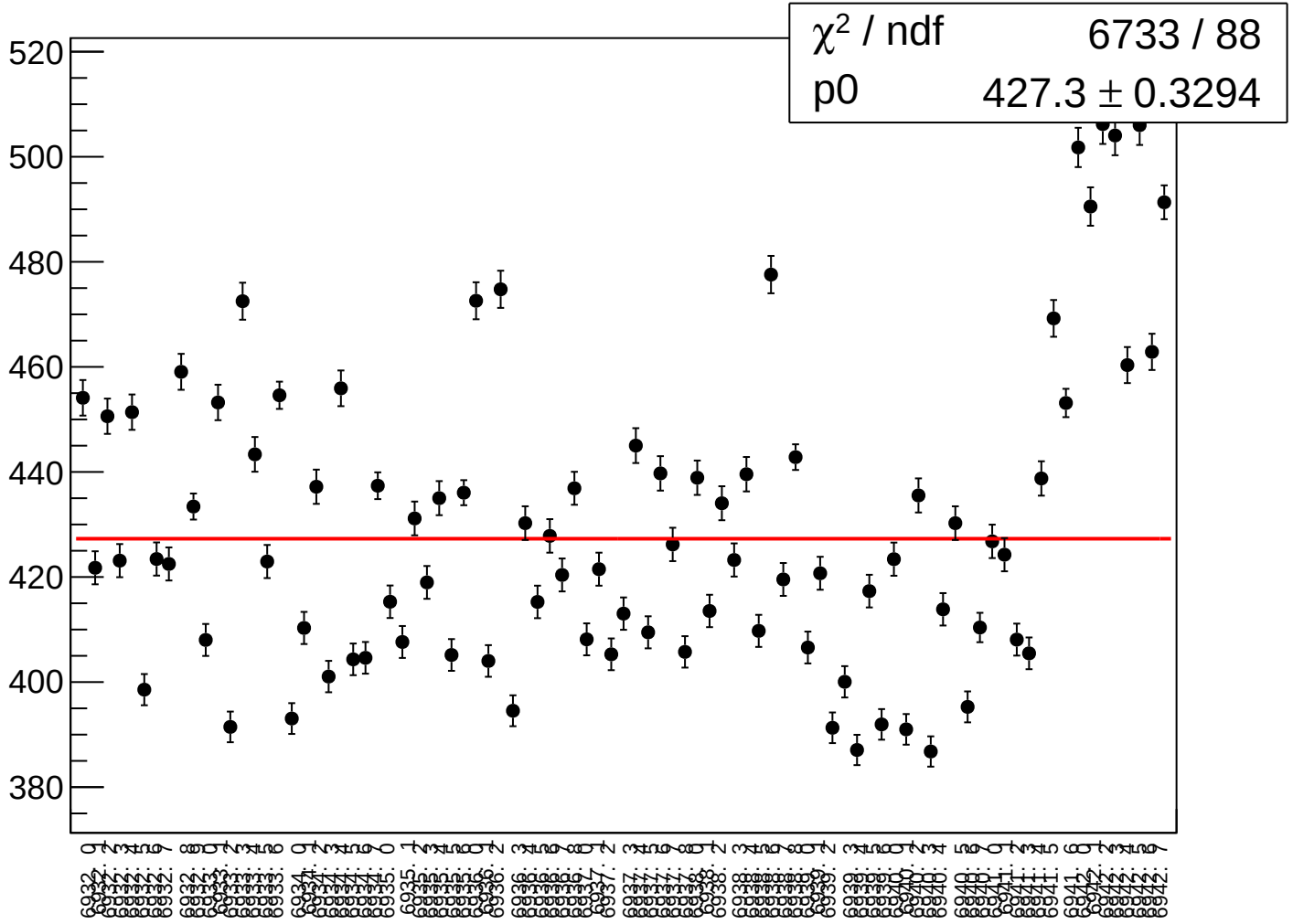

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 88.13 / 88
p0 −69.43 ± 83.06
pull
Entries 89
Mean −51.8
Std Dev 105.3
pull1D
Entries 89
Mean 0.0103
Std Dev 0.995

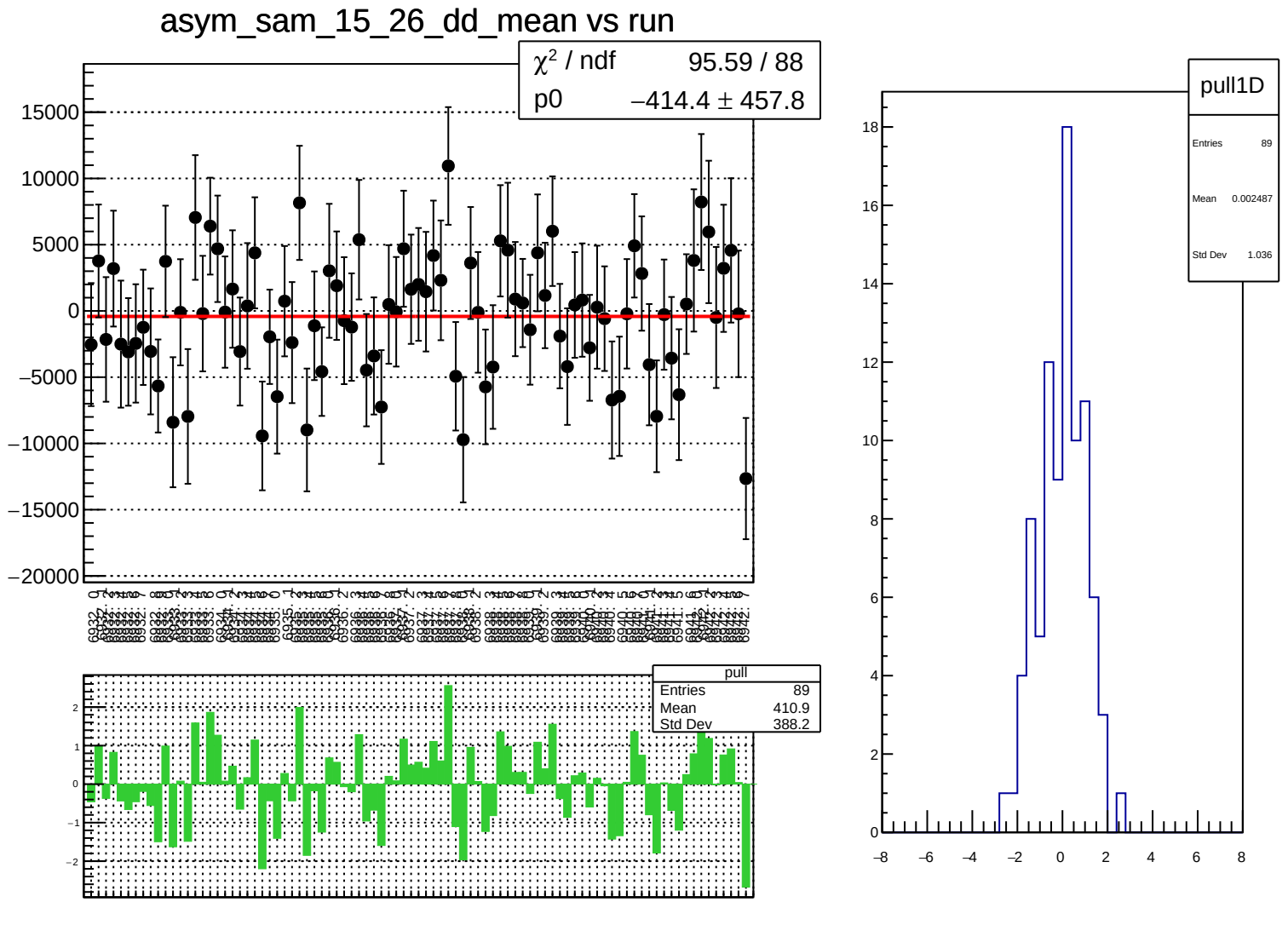
dit_asym_sam_15_26_dd_rms vs run



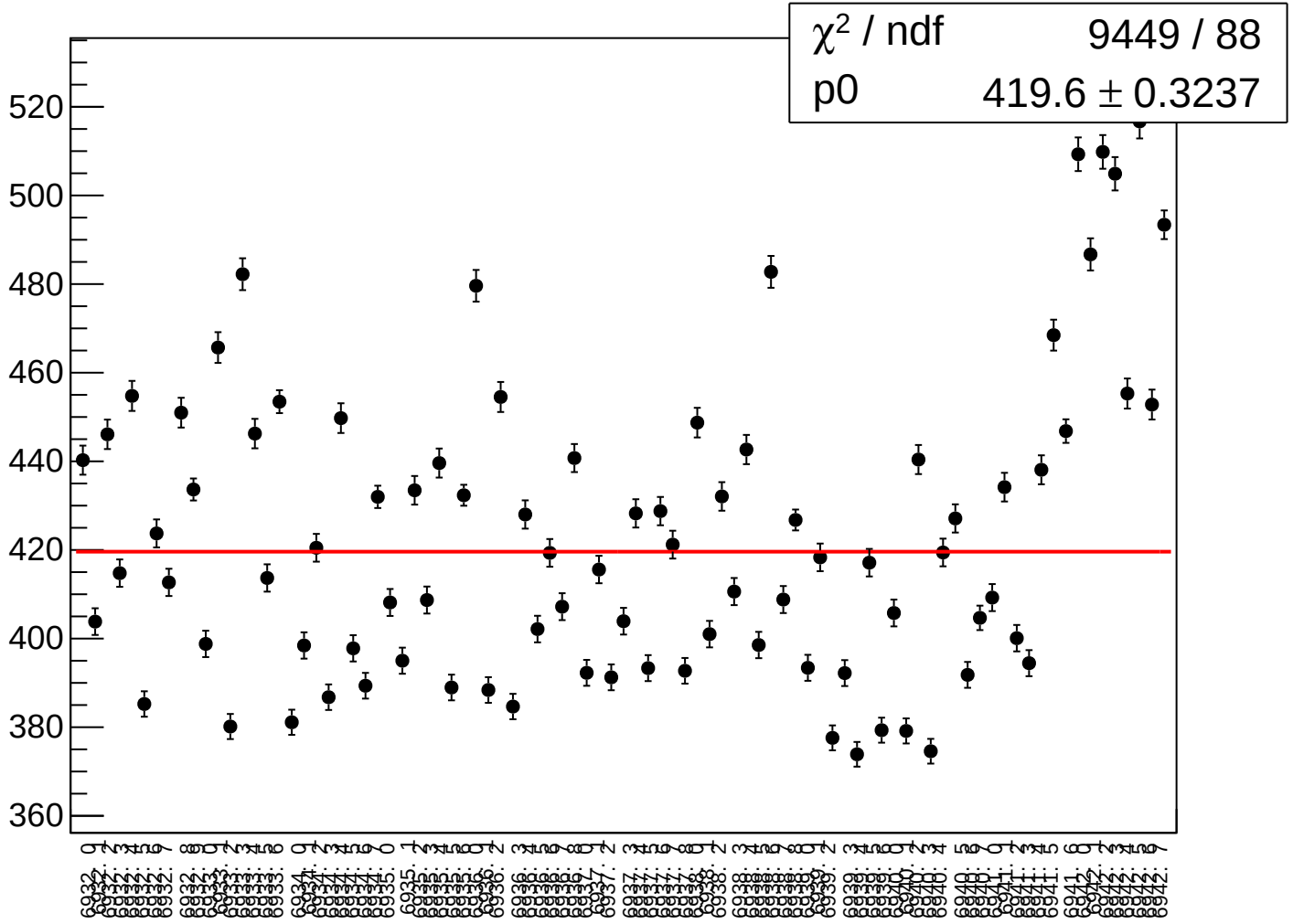

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 93.75 / 88
p0 390.6 ± 465.8
pull
Entries 89
Mean 237.8
Std Dev 207.8
pull1D
Entries 89
Mean −0.005815
Std Dev 1.026

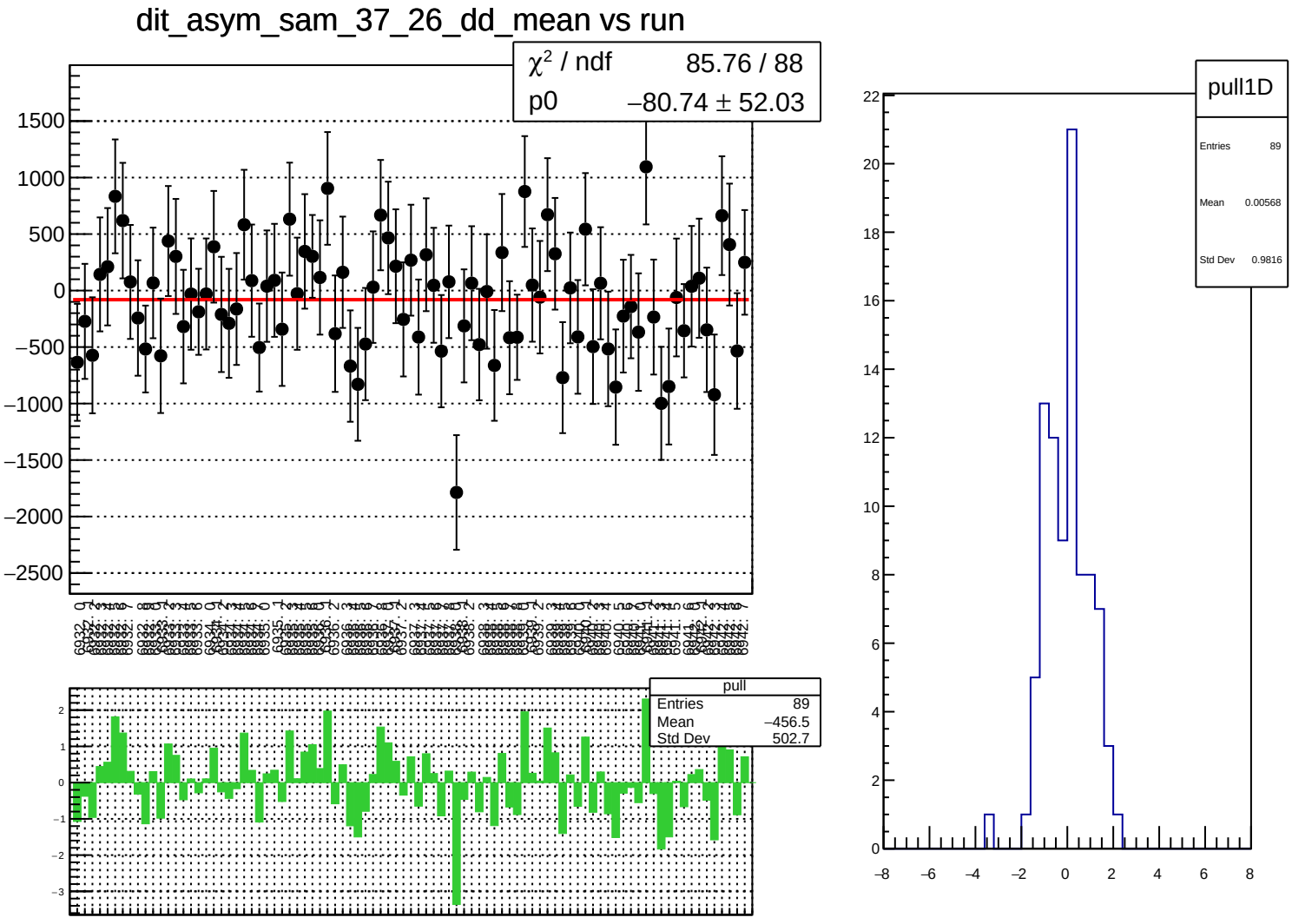
asym_sam_15_26_dd_correction_rms vs run



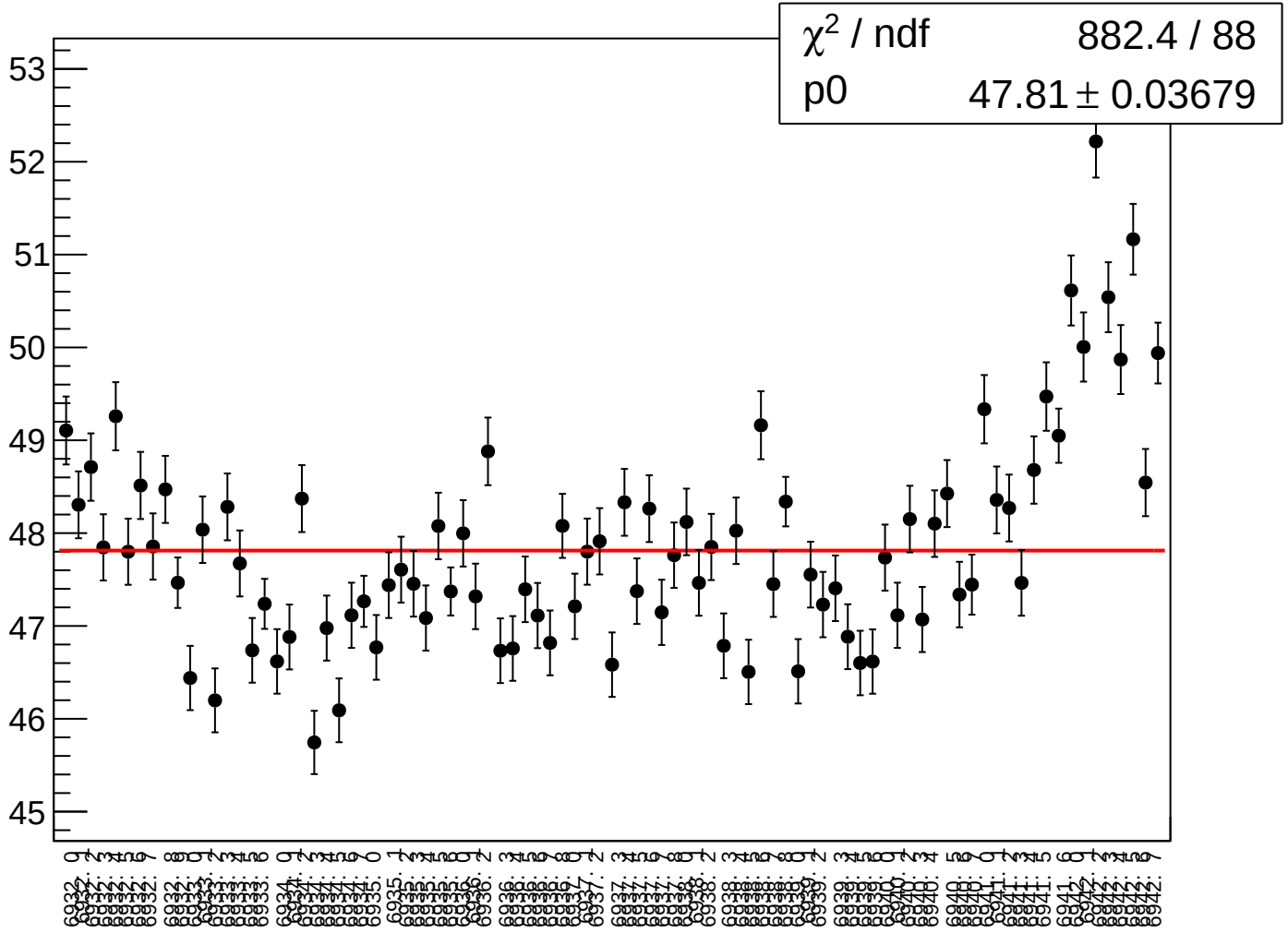

asym_sam_15_26_dd_mean vs run
χ² / ndf 95.59 / 88
p0 −414.4 ± 457.8
pull
Entries 89
Mean 410.9
Std Dev 388.2
pull1D
Entries 89
Mean 0.002487
Std Dev 1.036

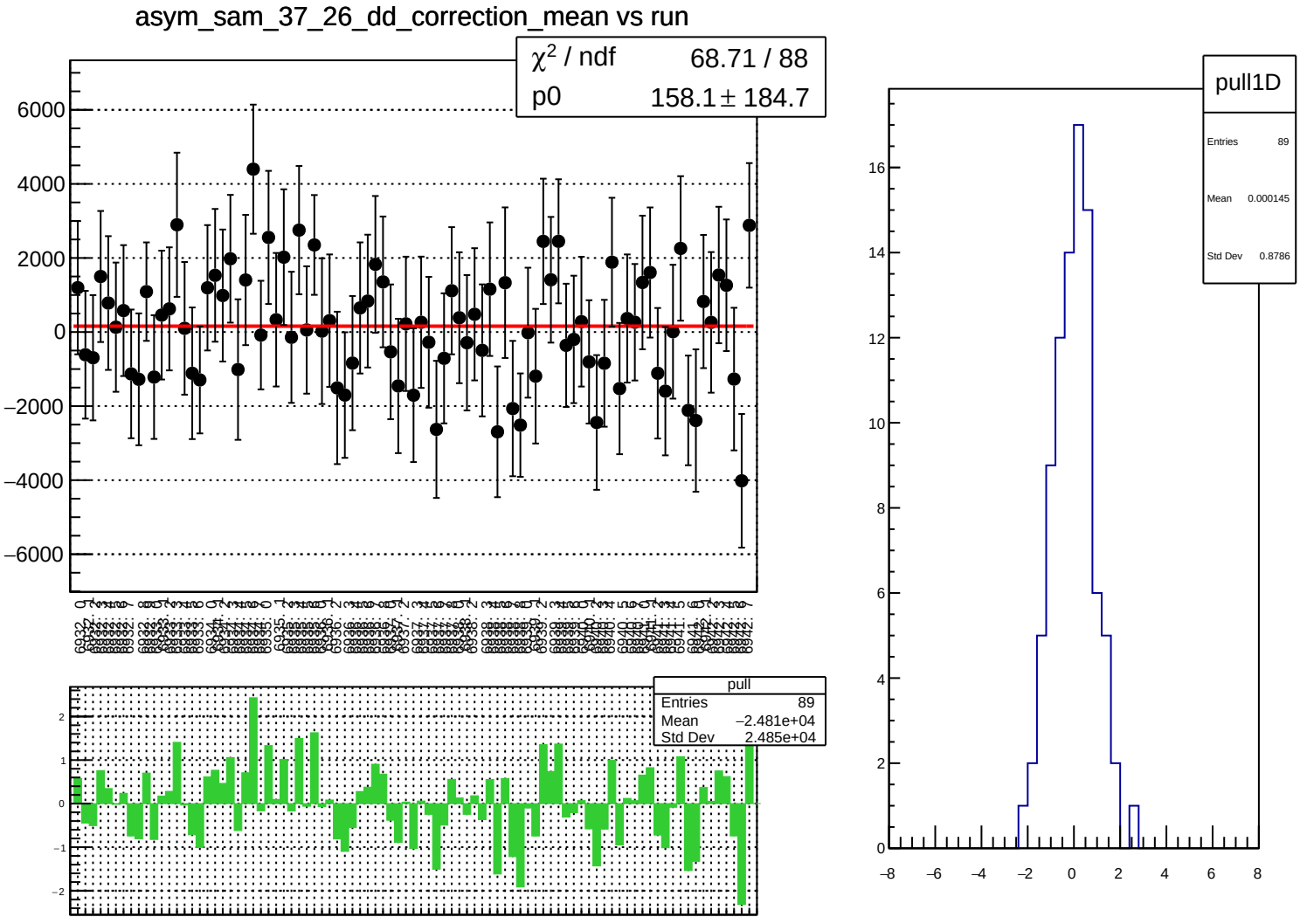
asym_sam_15_26_dd_rms vs run



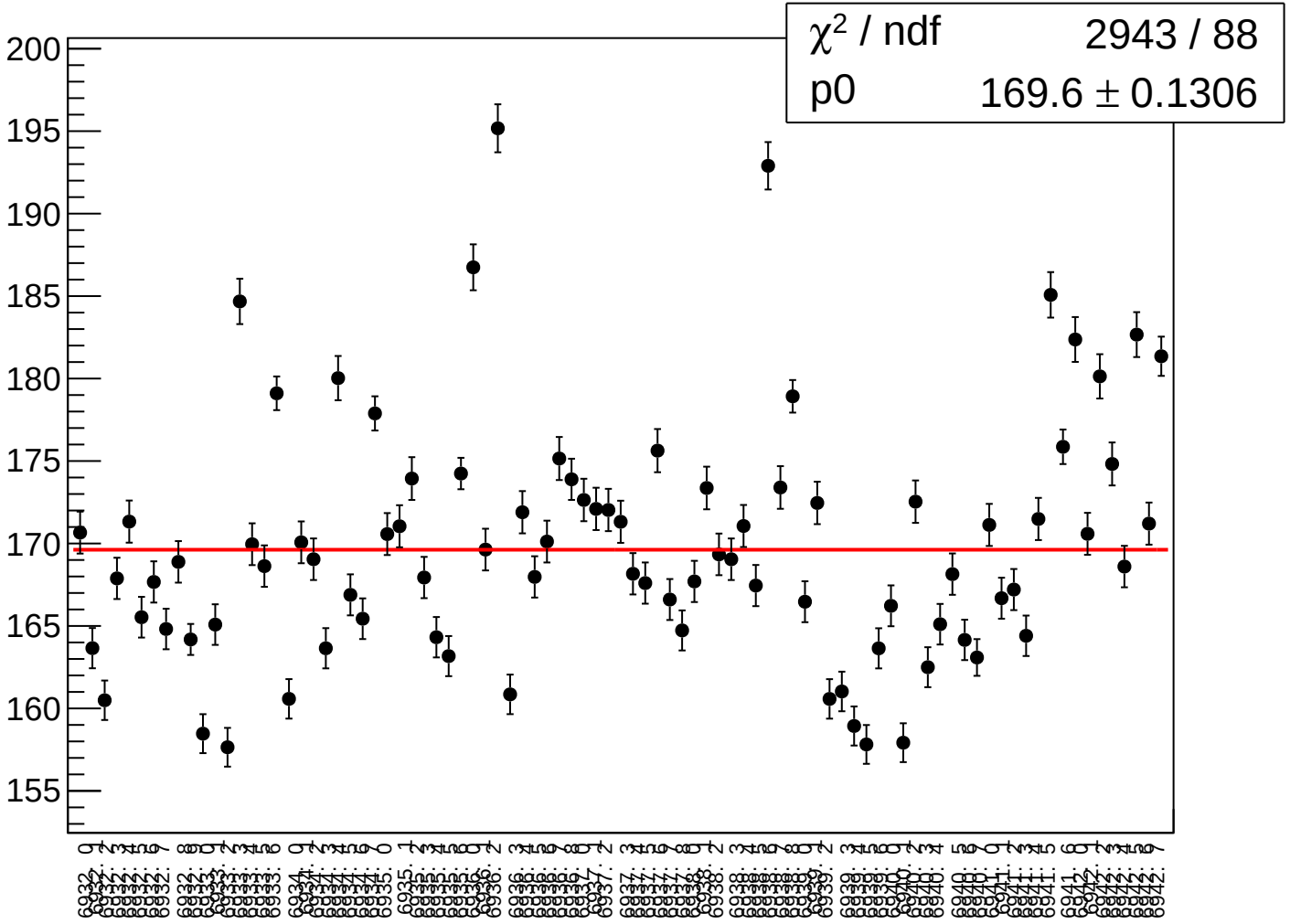

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 85.76 / 88
p0 −80.74 ± 52.03
pull
Entries 89
Mean −456.5
Std Dev 502.7
pull1D
Entries 89
Mean 0.00568
Std Dev 0.9816

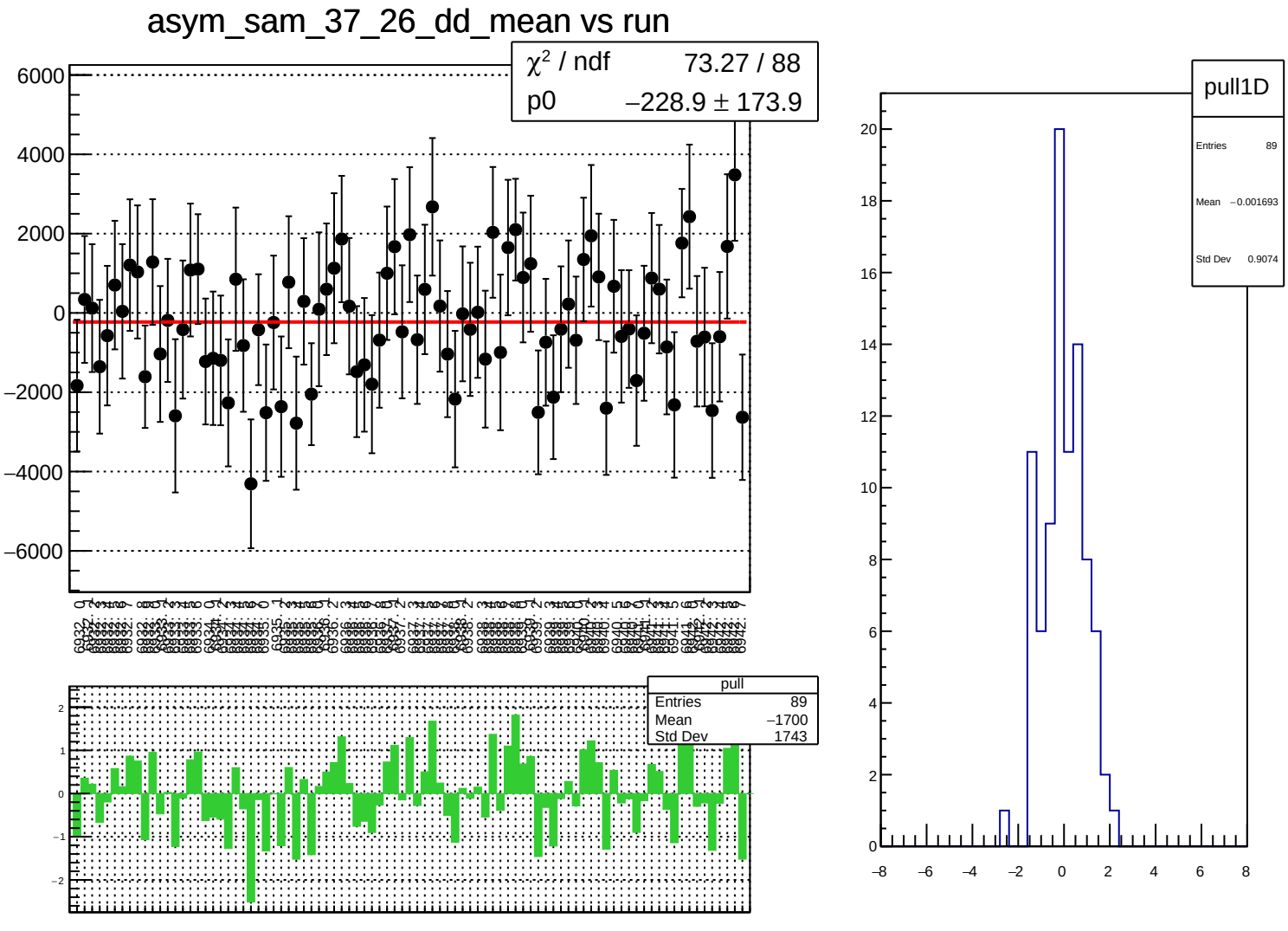
dit_asym_sam_37_26_dd_rms vs run



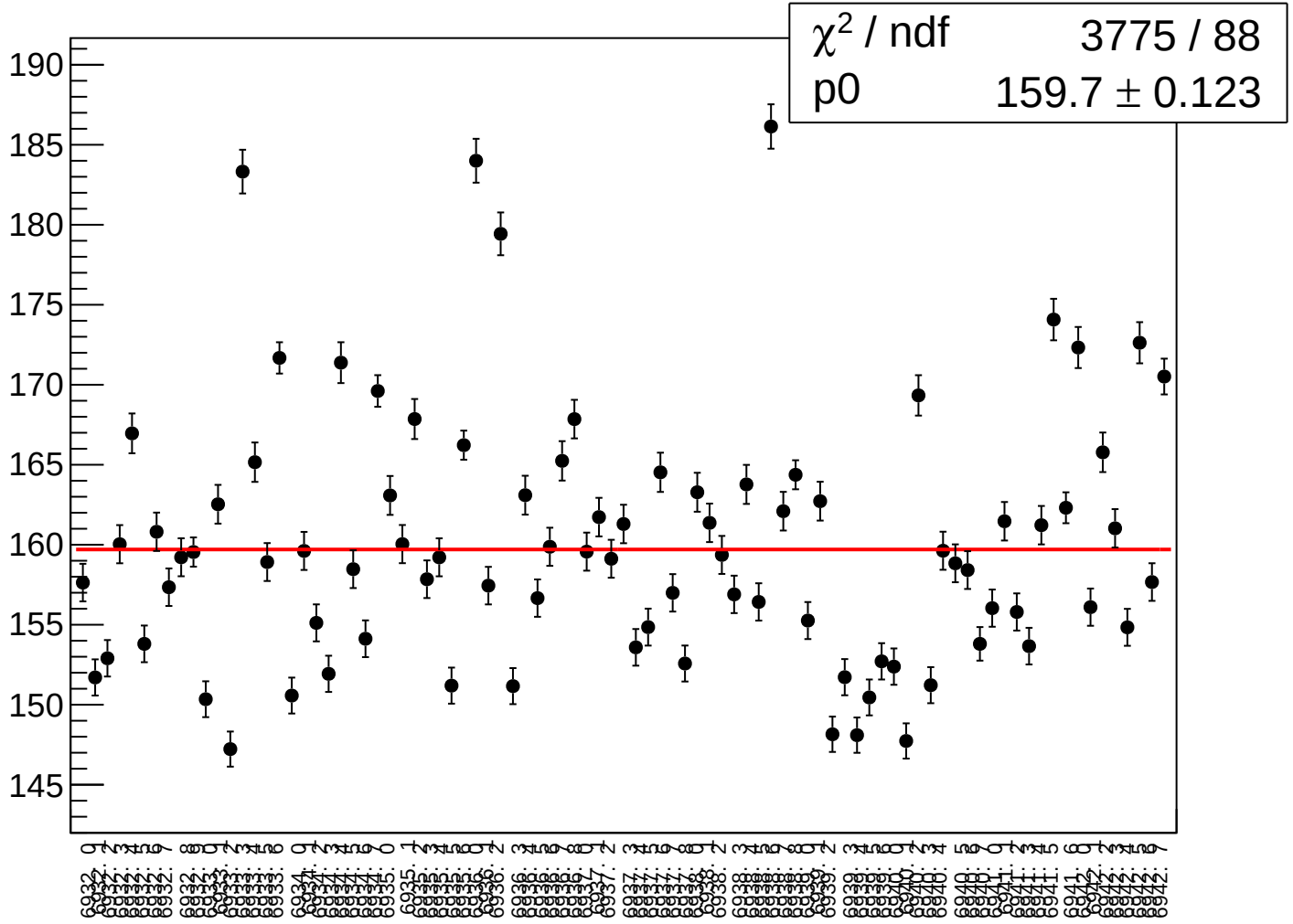

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 68.71 / 88
p0 158.1 ± 184.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −2.481e+04
Std Dev 2.485e+04
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.000145
Std Dev 0.8786
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

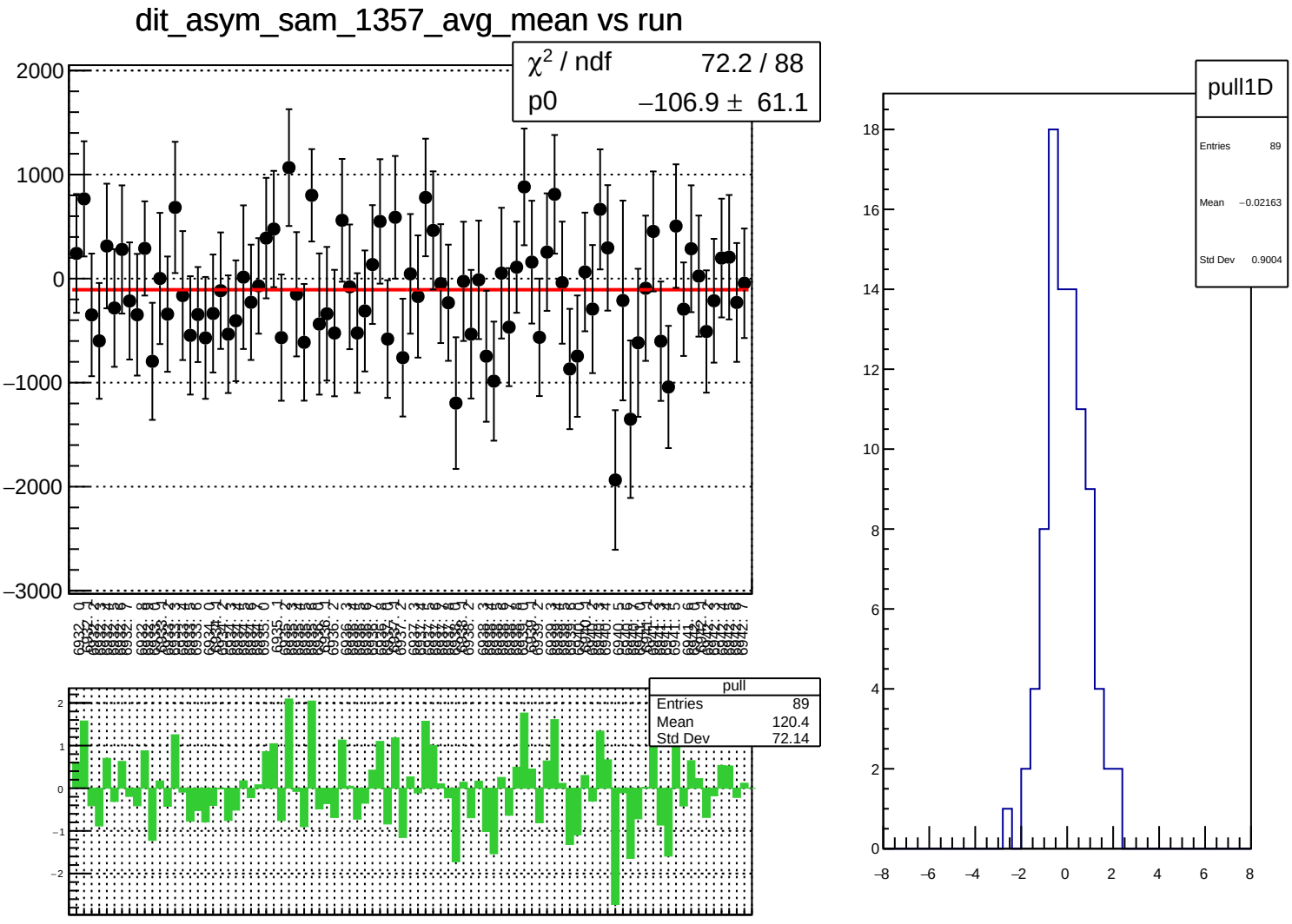
asym_sam_37_26_dd_correction_rms vs run



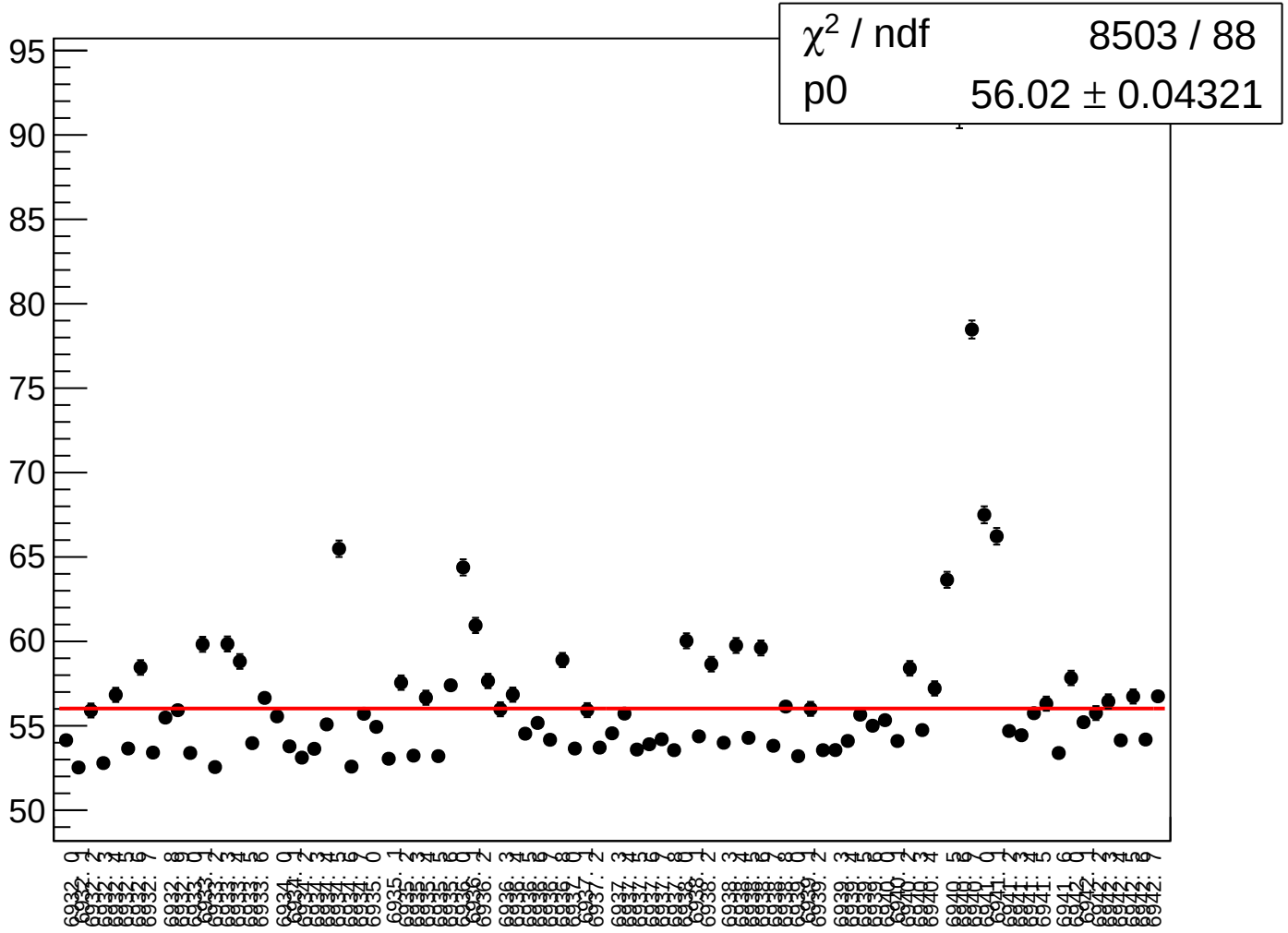

asym_sam_37_26_dd_mean vs run
χ² / ndf 73.27 / 88
p0 −228.9 ± 173.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −1700
Std Dev 1743
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.001693
Std Dev 0.9074
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

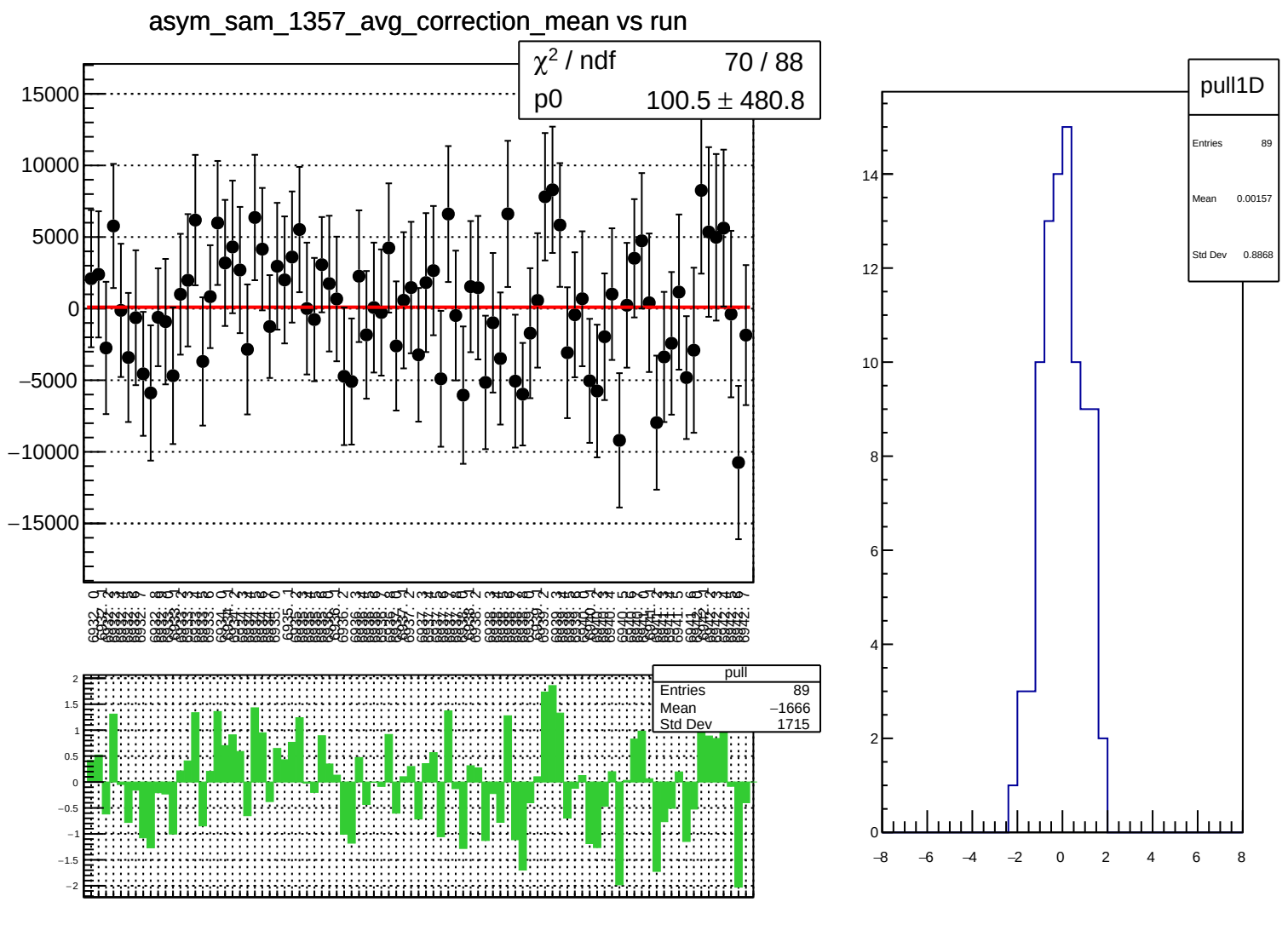
asym_sam_37_26_dd_rms vs run



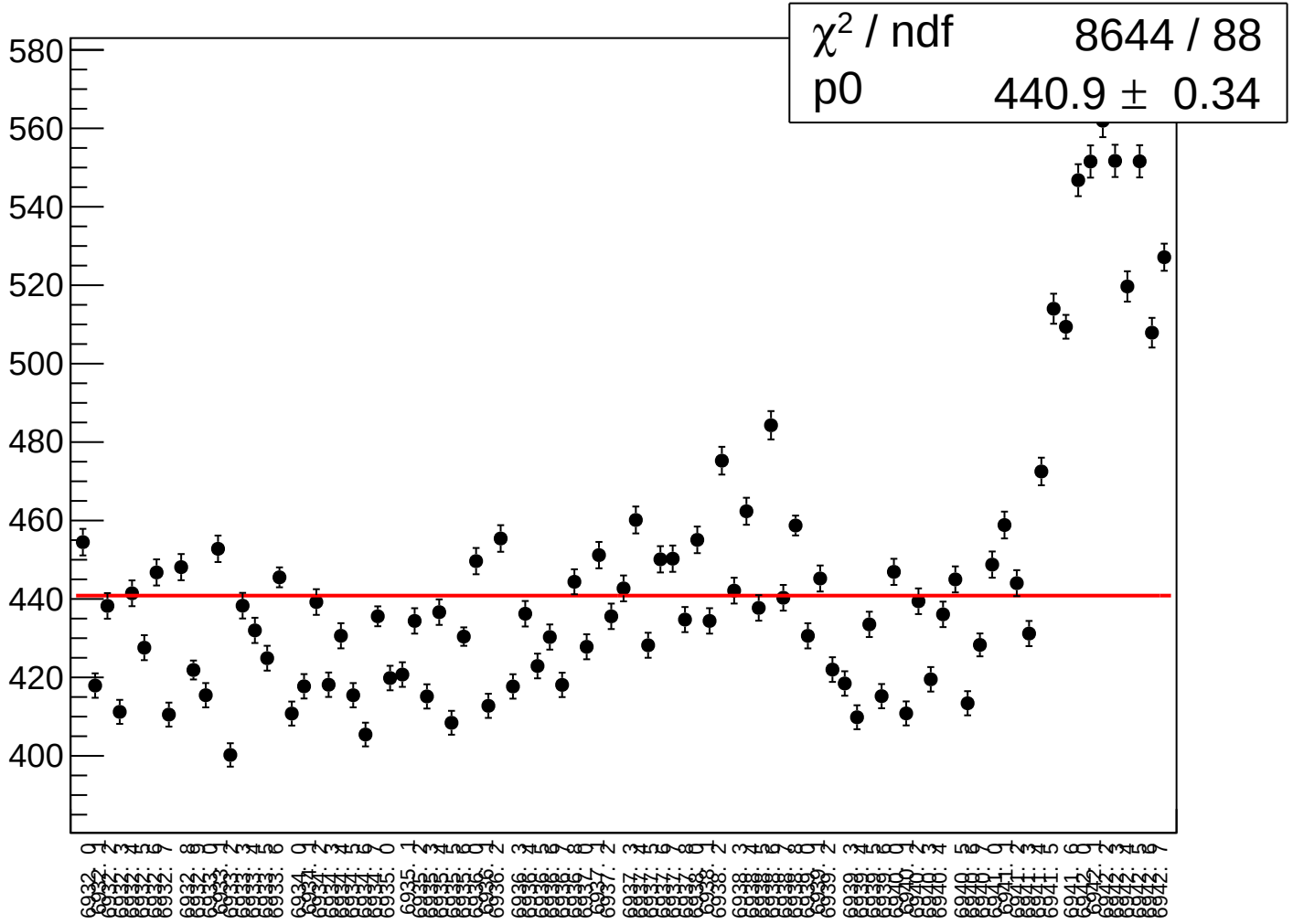

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 72.2 / 88
p0 −106.9 ± 61.1
pull
Entries 89
Mean 120.4
Std Dev 72.14
pull1D
Entries 89
Mean −0.02163
Std Dev 0.9004

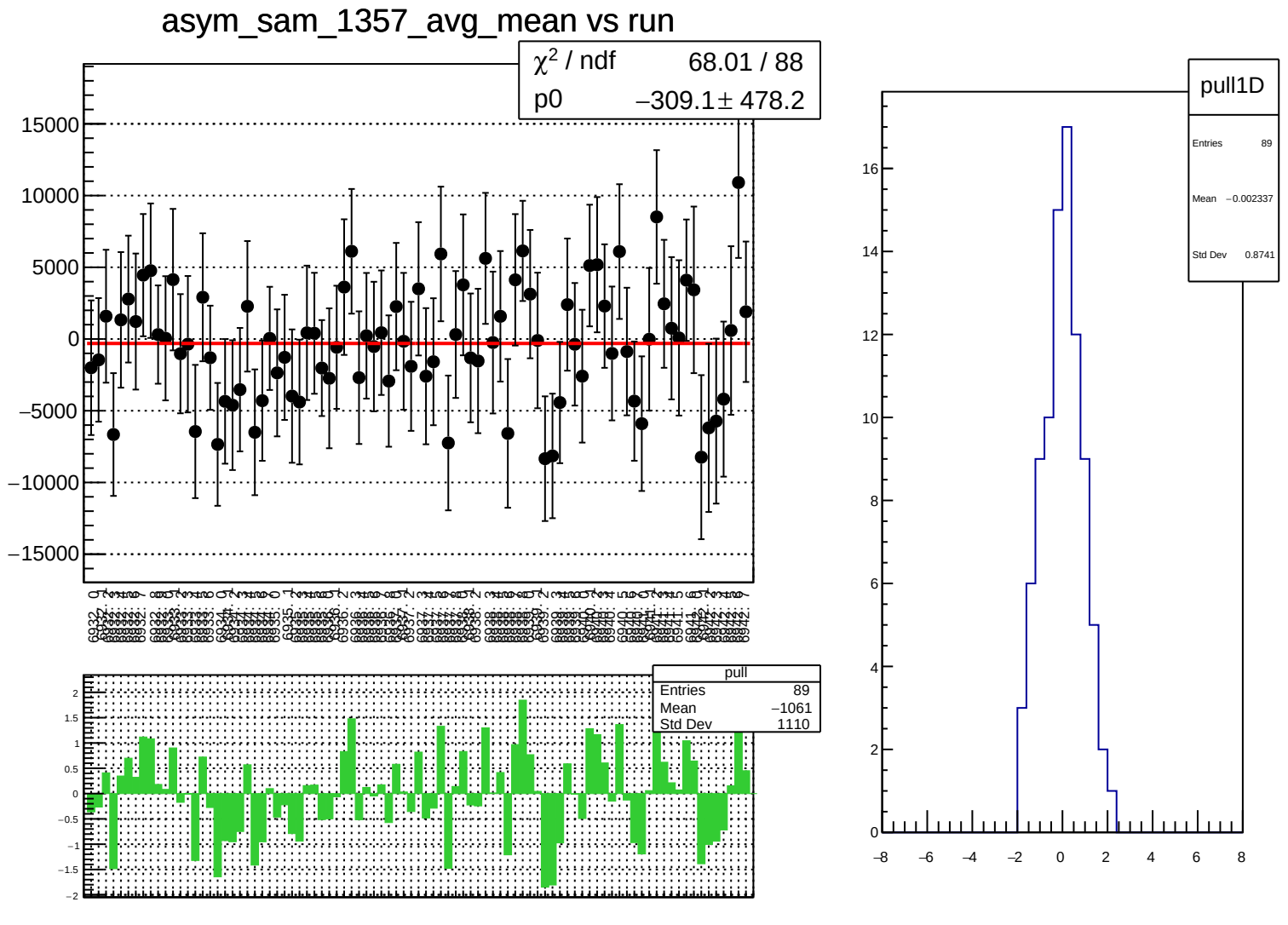
dit_asym_sam_1357_avg_rms vs run



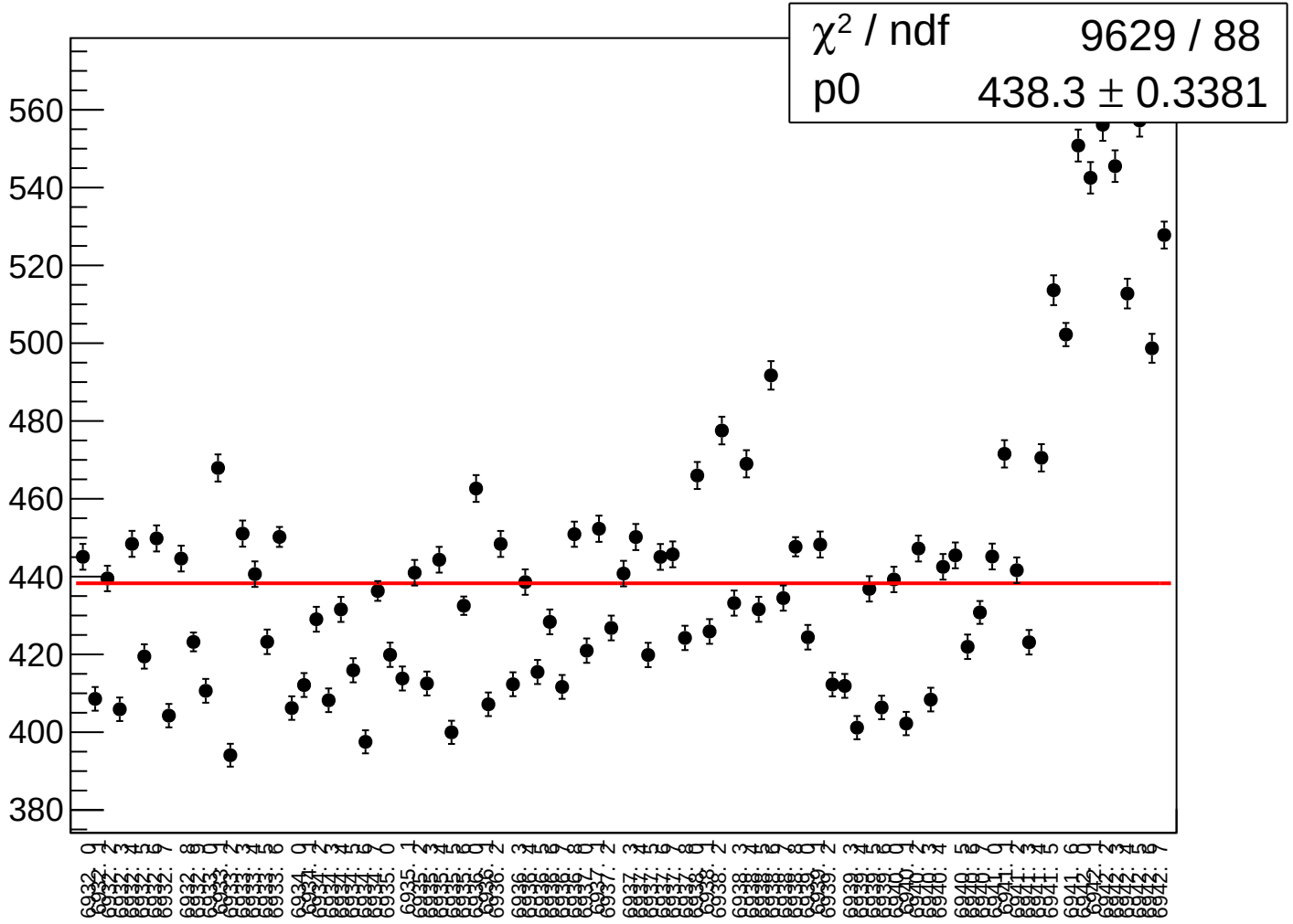

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 70 / 88
p0 100.5 ± 480.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −1666
Std Dev 1715
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.00157
Std Dev 0.8868
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

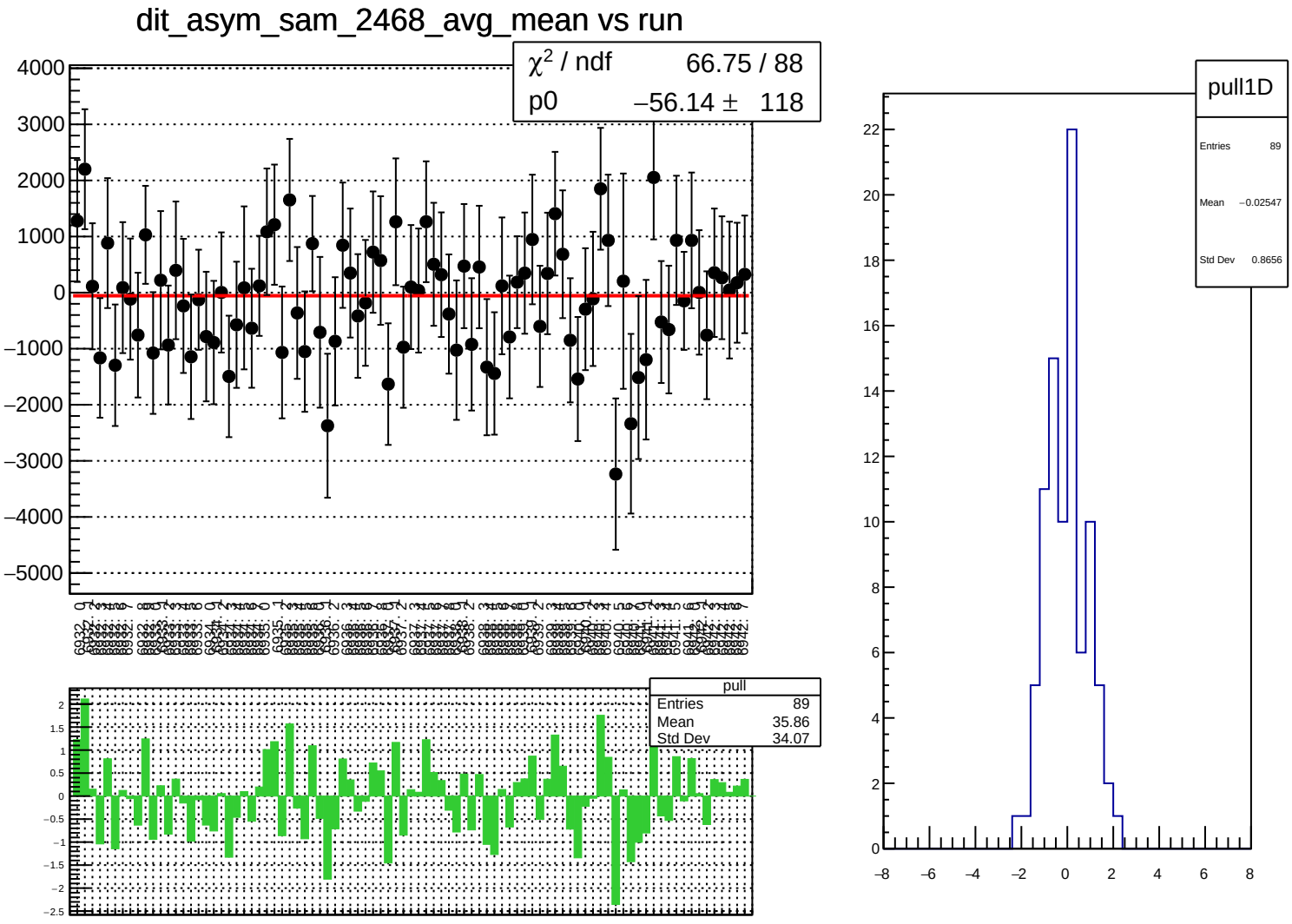
asym_sam_1357_avg_correction_rms vs run



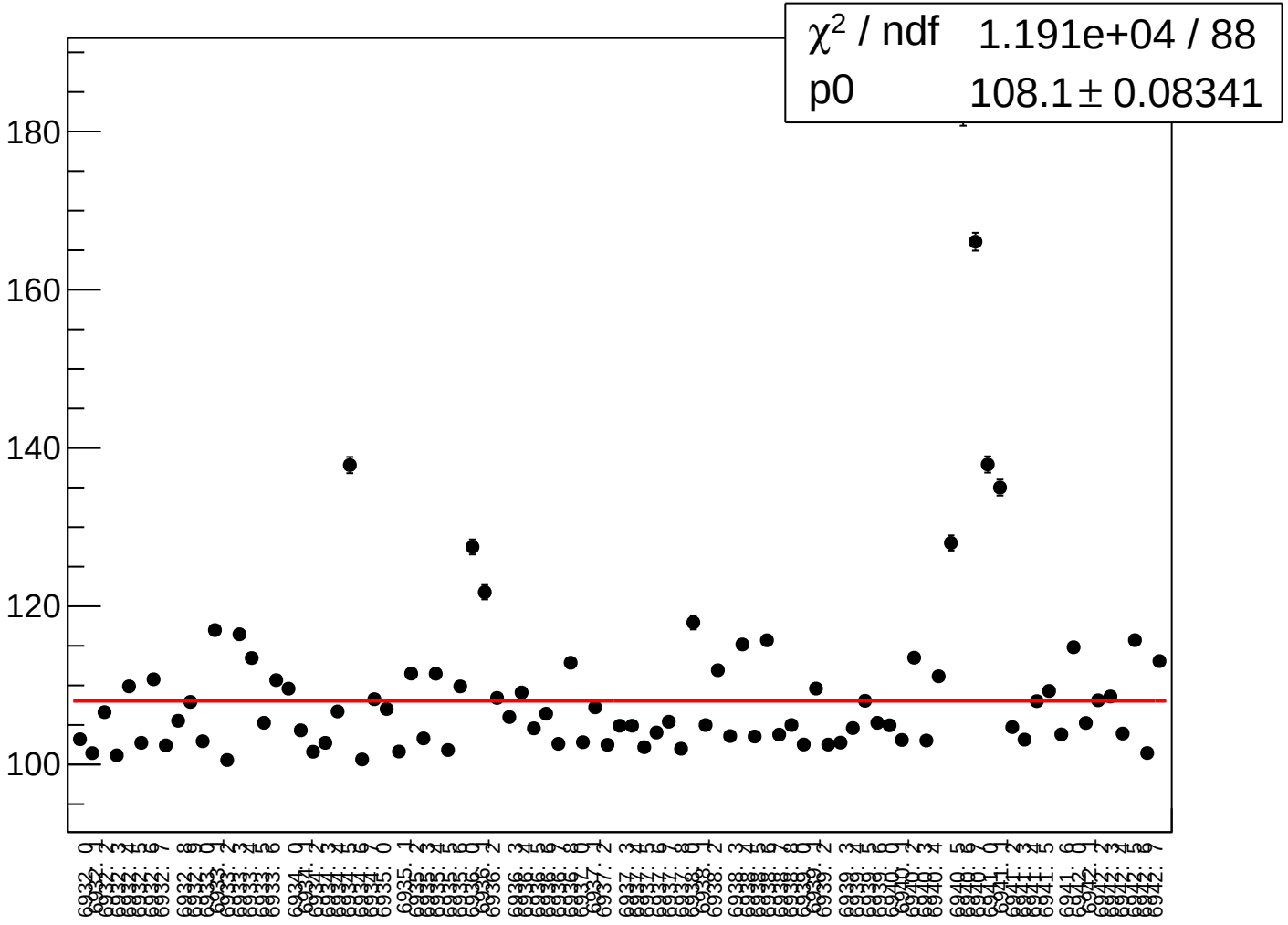

asym_sam_1357_avg_mean vs run
χ² / ndf 68.01 / 88
p0 −309.1 ± 478.2
pull
Entries 89
Mean −1061
Std Dev 1110
pull1D
Entries 89
Mean −0.002337
Std Dev 0.8741

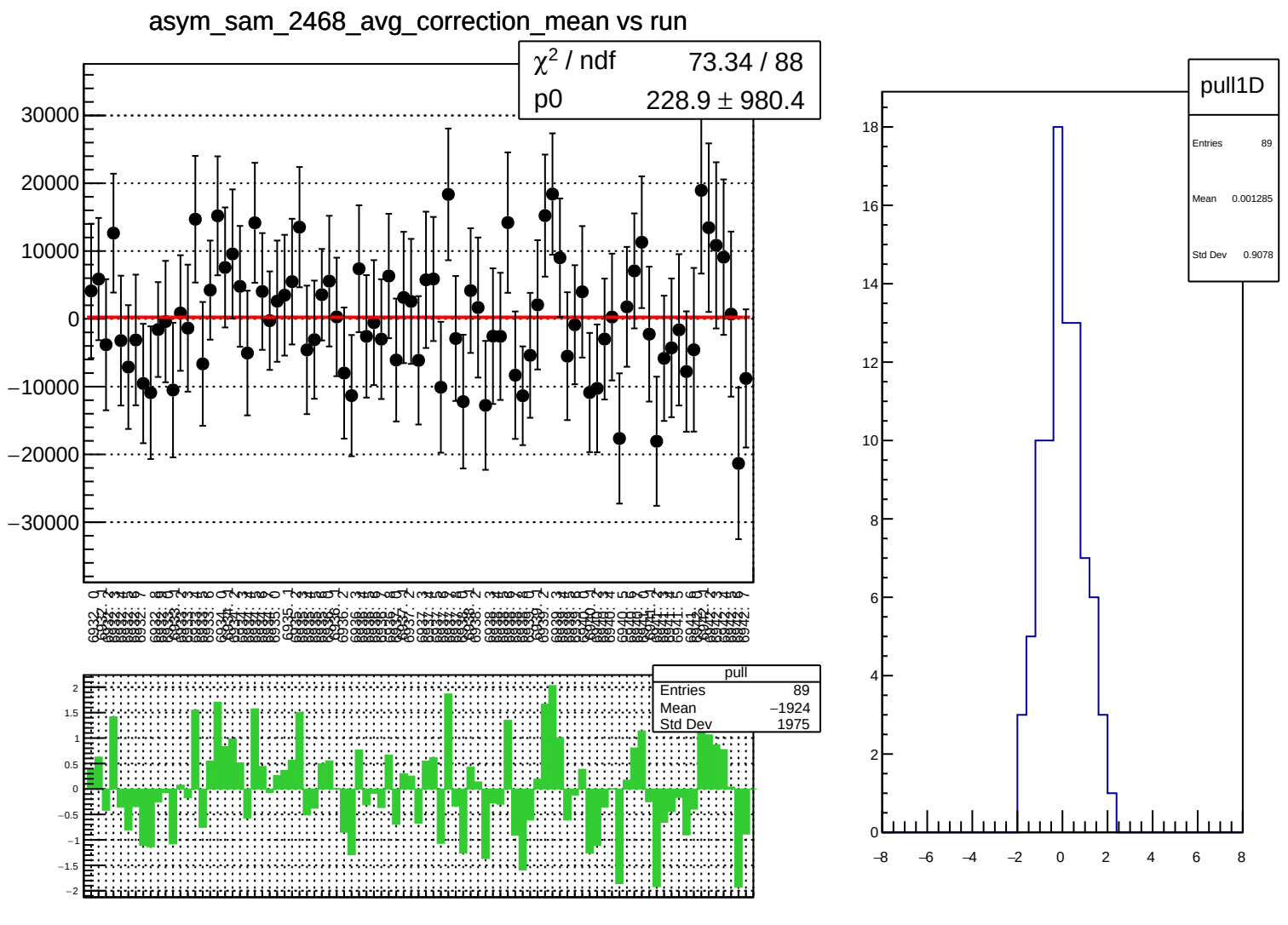
asym_sam_1357_avg_rms vs run

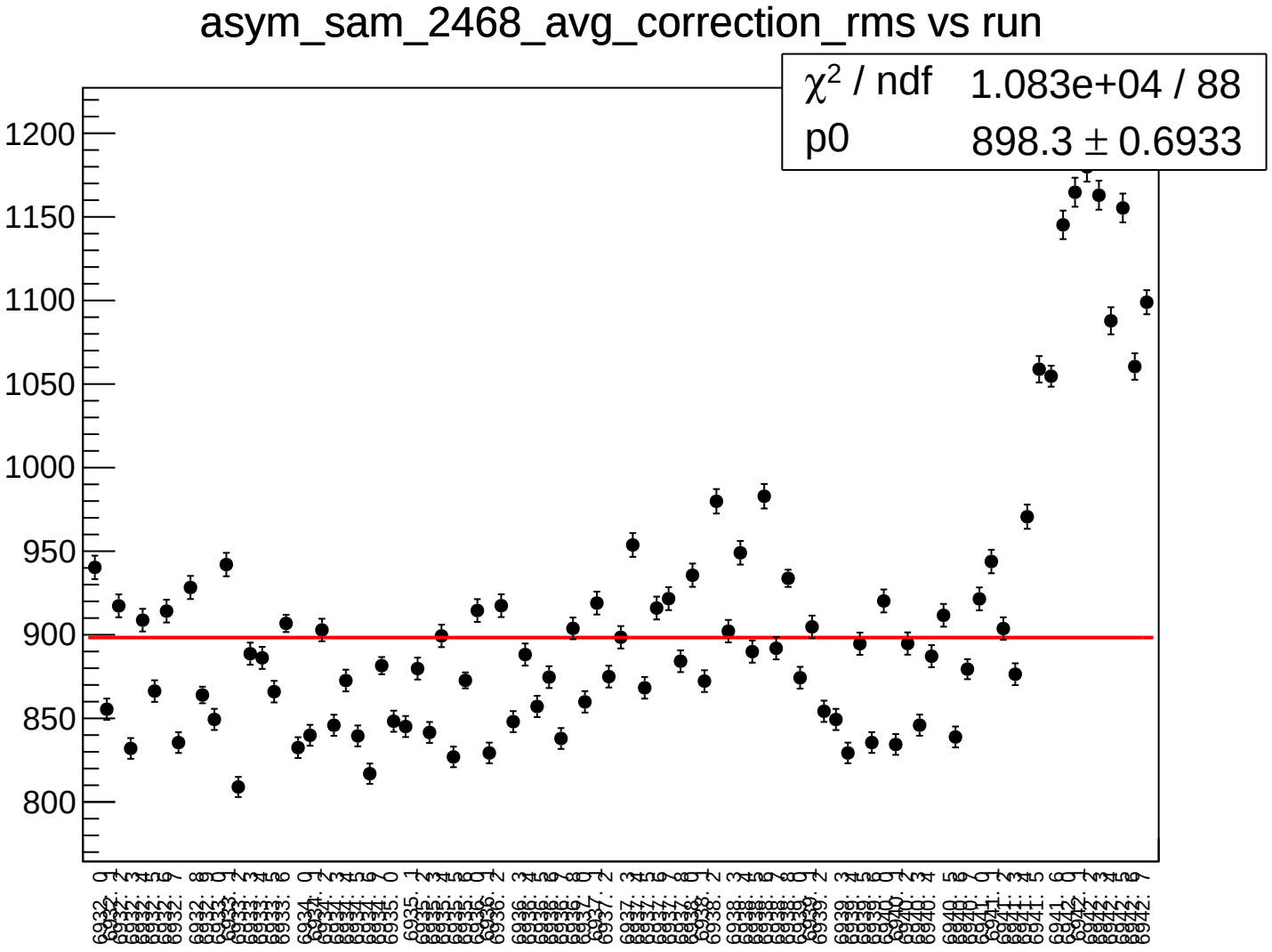


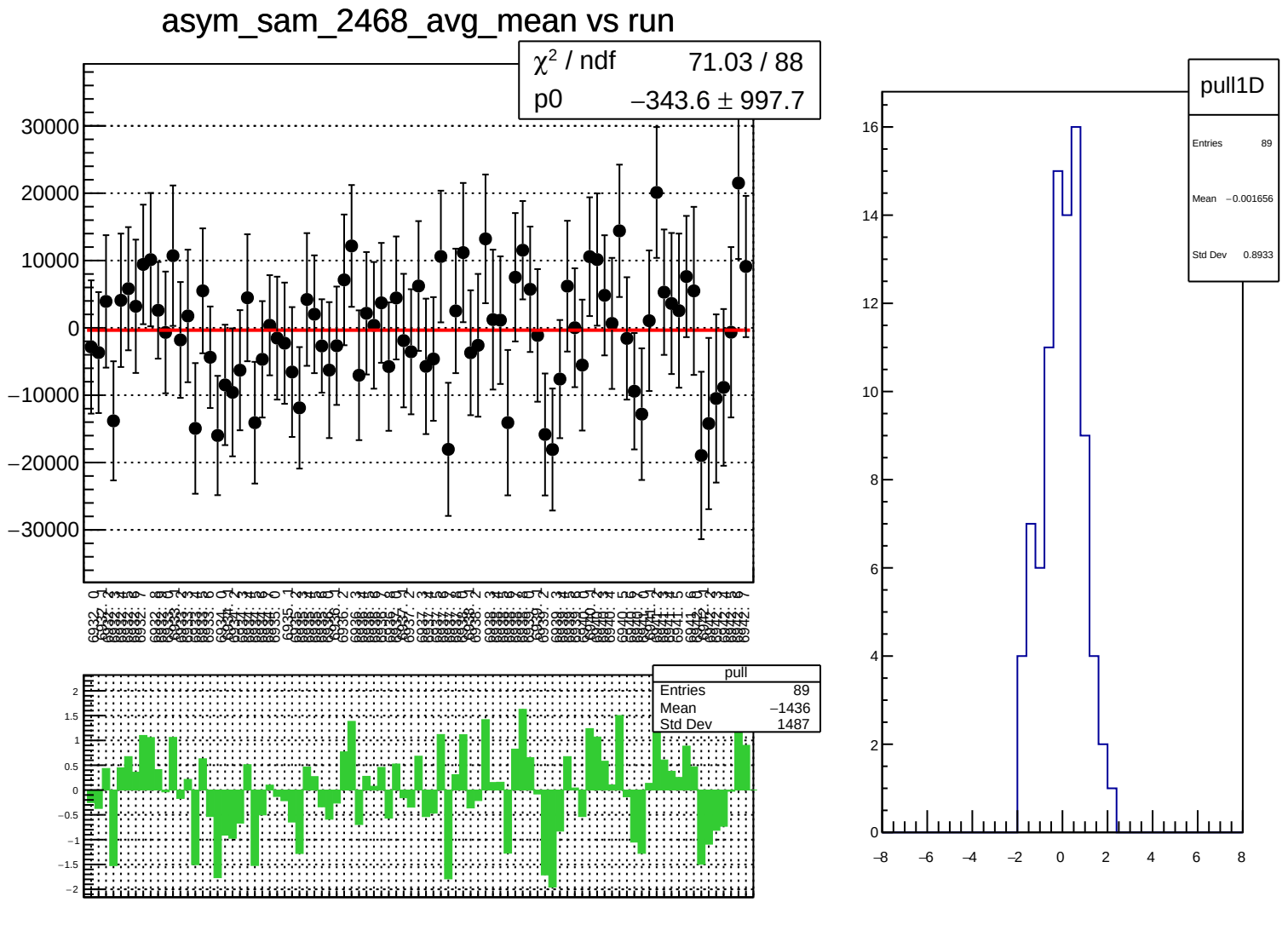

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 66.75 / 88
p0 −56.14 ± 118
pull
Entries 89
Mean 35.86
Std Dev 34.07
pull1D
Entries 89
Mean −0.02547
Std Dev 0.8656

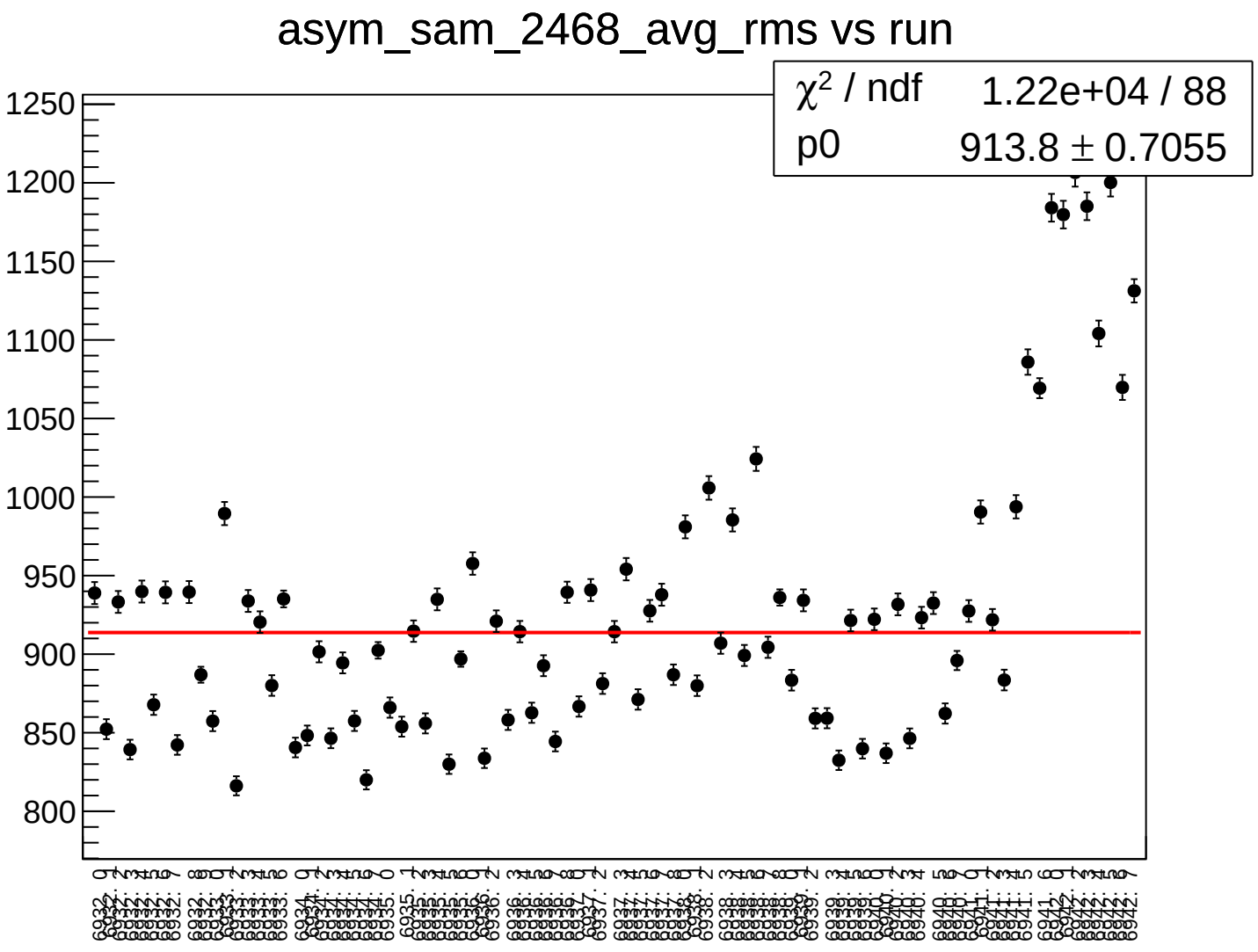
dit_asym_sam_2468_avg_rms vs run

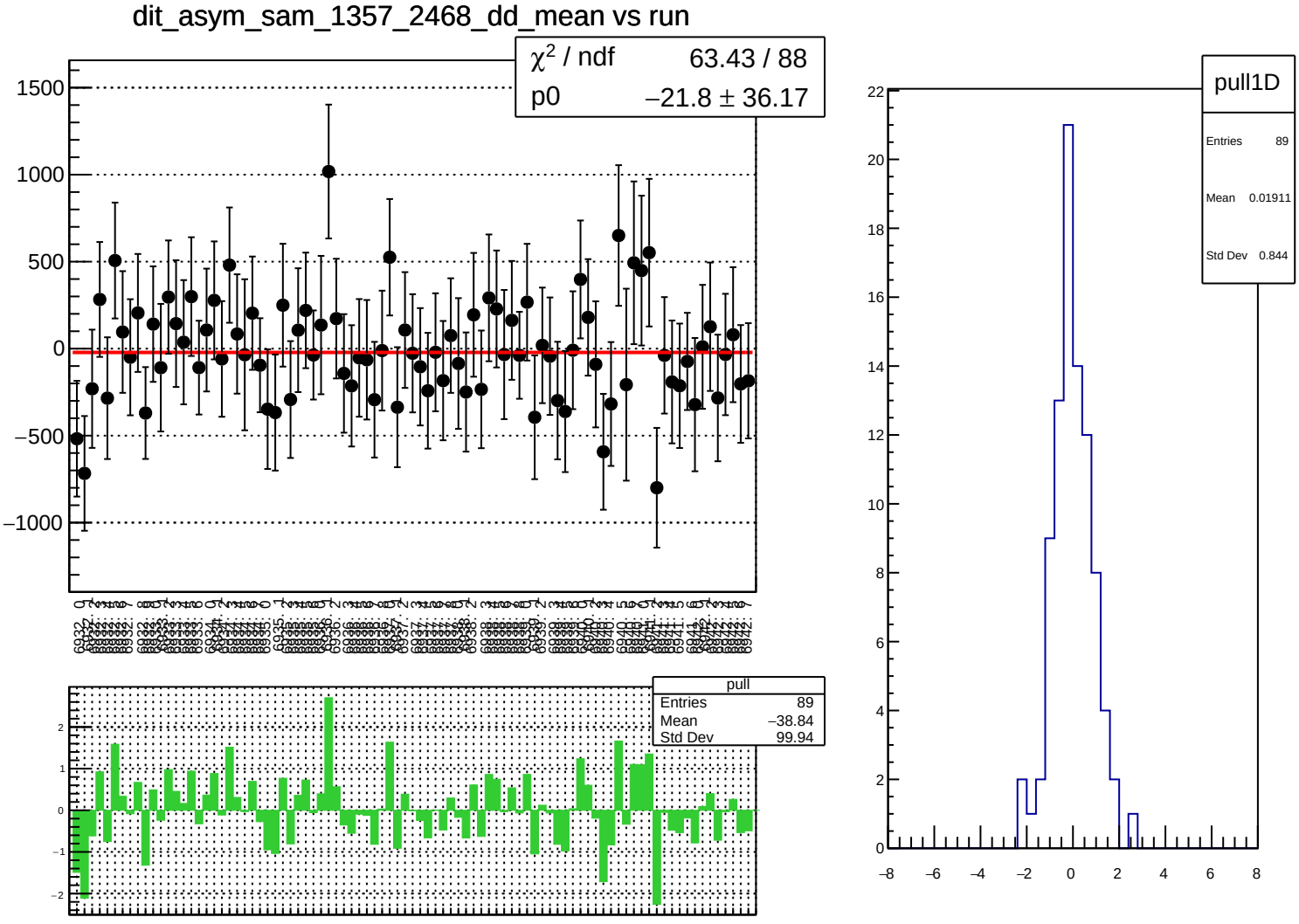



asym_sam_2468_avg_correction_mean vs run
χ² / ndf 73.34 / 88
p0 228.9 ± 980.4
pull
Entries 89
Mean −1924
Std Dev 1975
pull1D
Entries 89
Mean 0.001285
Std Dev 0.9078

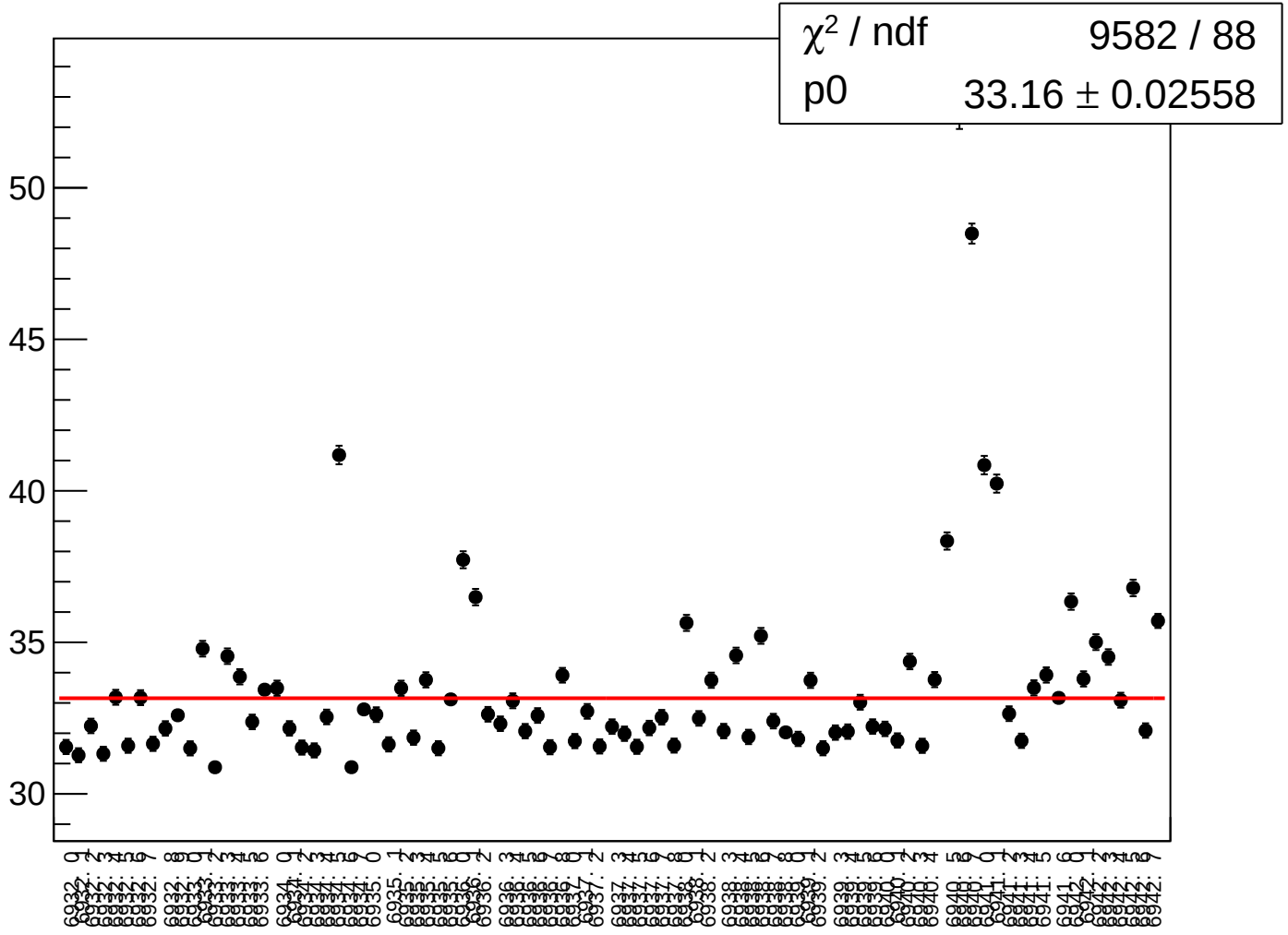

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.083e+04 / 88
p0 898.3 ± 0.6933
1200
1150
1100
1050
1000
950
900
850
800

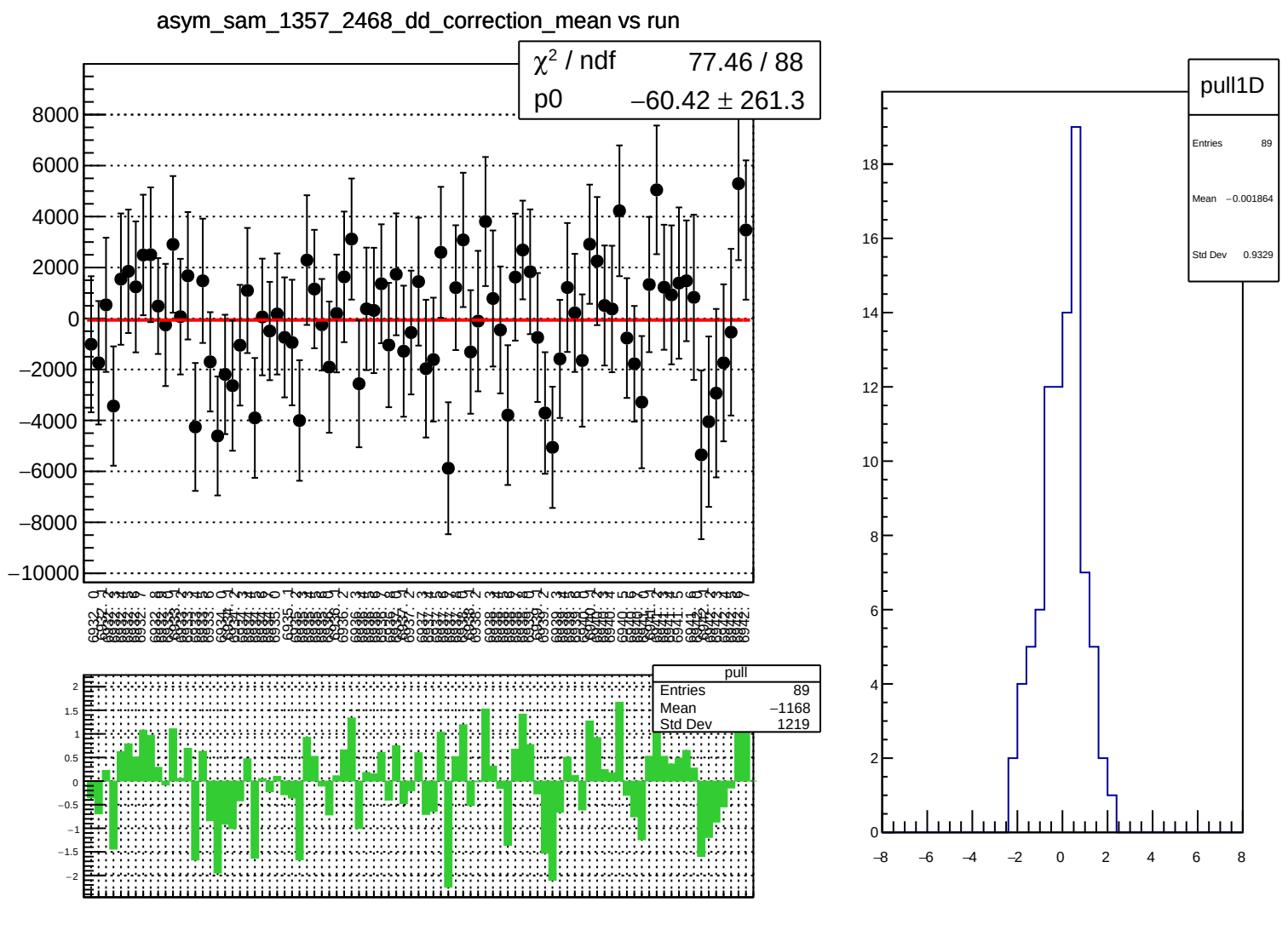

asym_sam_2468_avg_mean vs run
χ² / ndf 71.03 / 88
p0 −343.6 ± 997.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −1436
Std Dev 1487
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.001656
Std Dev 0.8933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

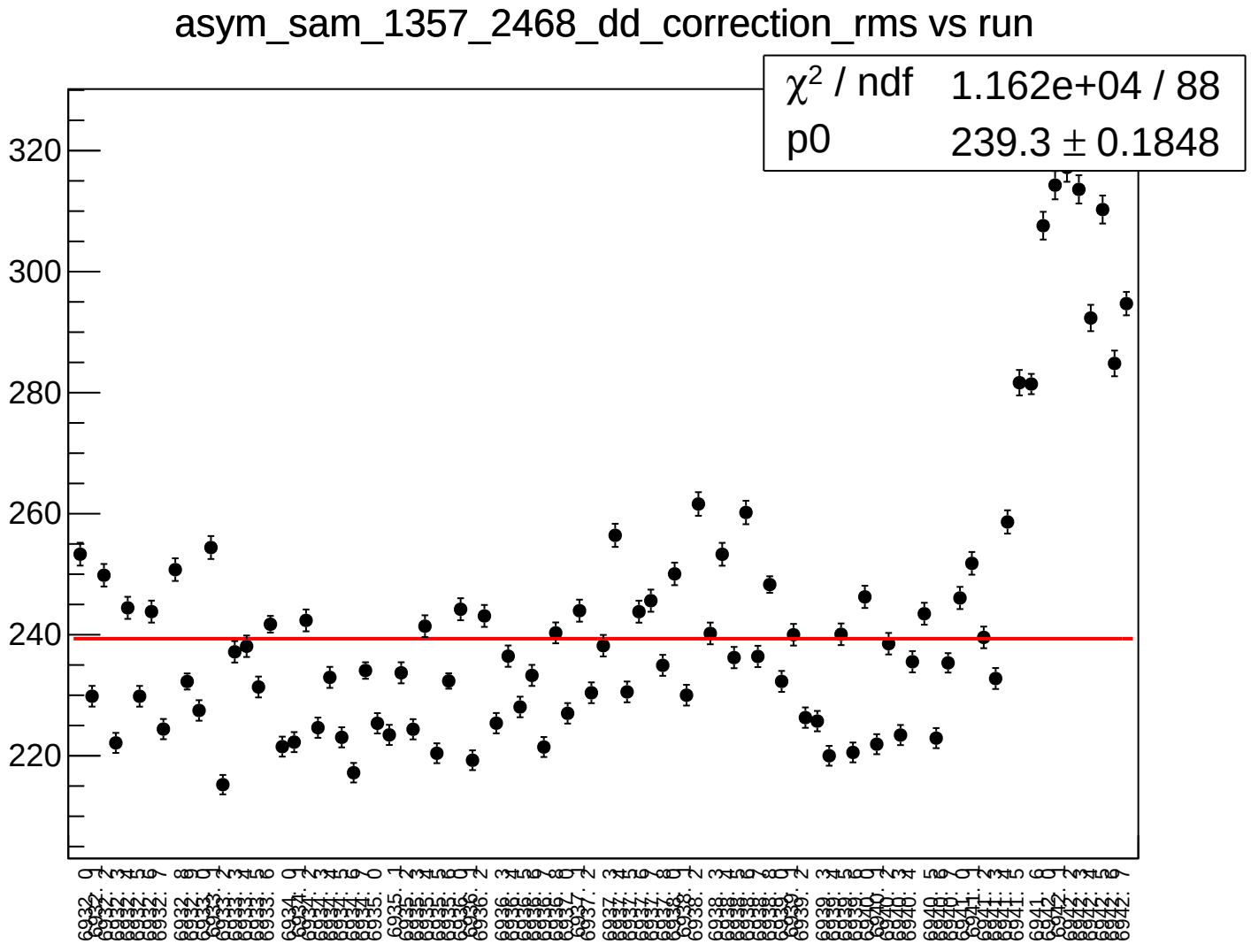

asym_sam_2468_avg_rms vs run
χ² / ndf 1.22e+04 / 88
p0 913.8 ± 0.7055
1250
1200
1150
1100
1050
1000
950
900
850
800

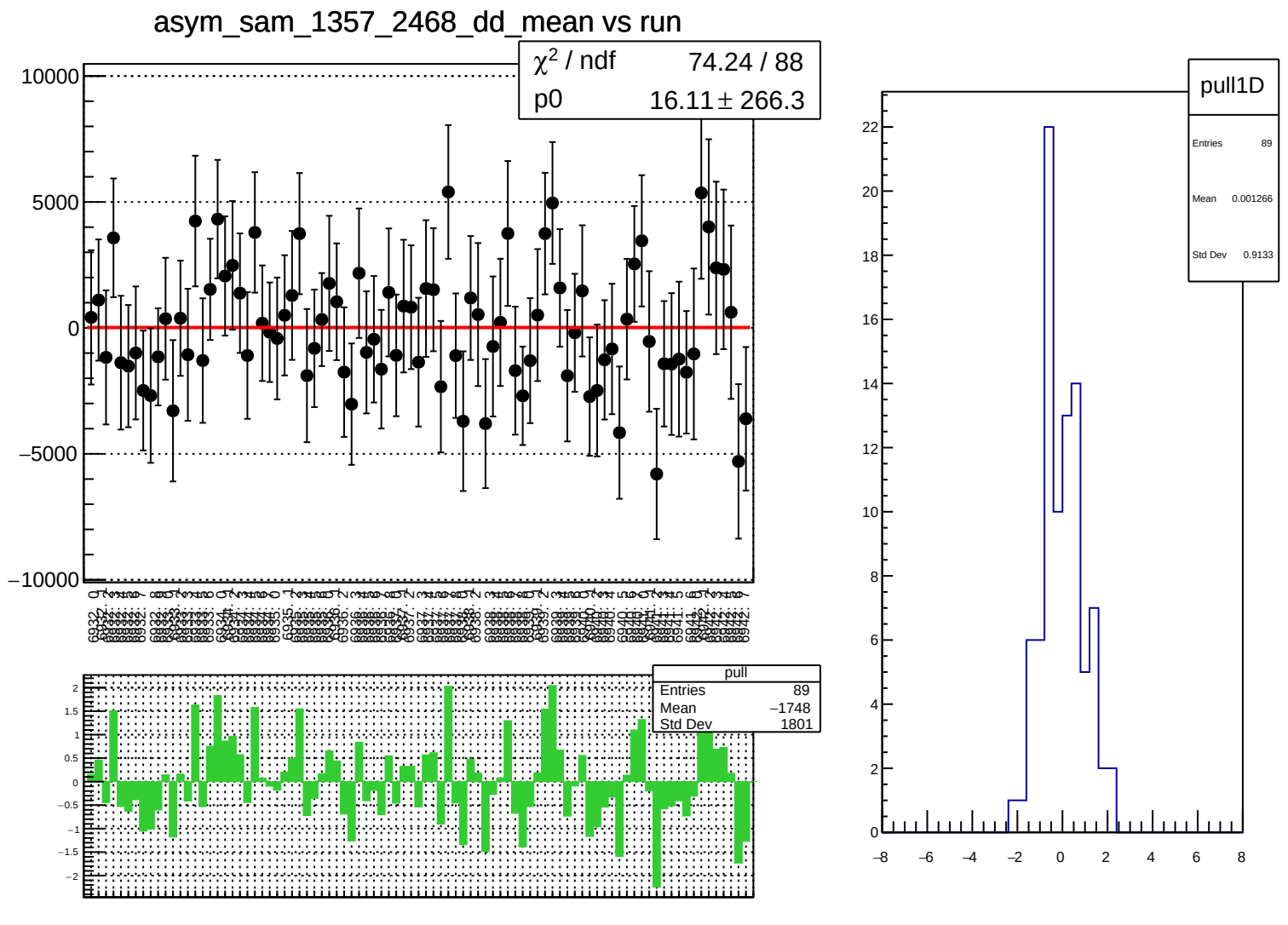

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 63.43 / 88
p0 −21.8 ± 36.17
pull
Entries 89
Mean −38.84
Std Dev 99.94
pull1D
Entries 89
Mean 0.01911
Std Dev 0.844

dit_asym_sam_1357_2468_dd_rms vs run

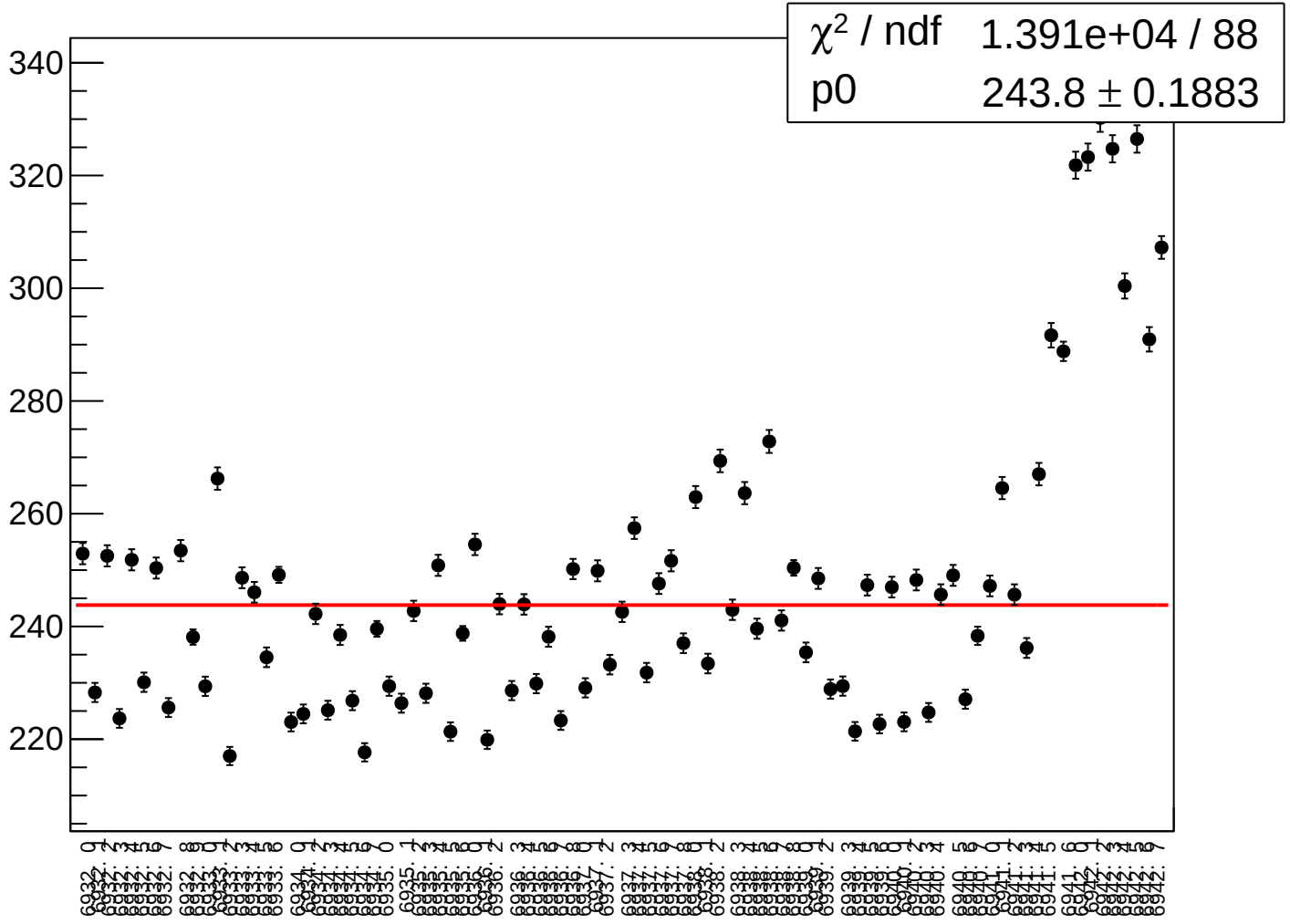


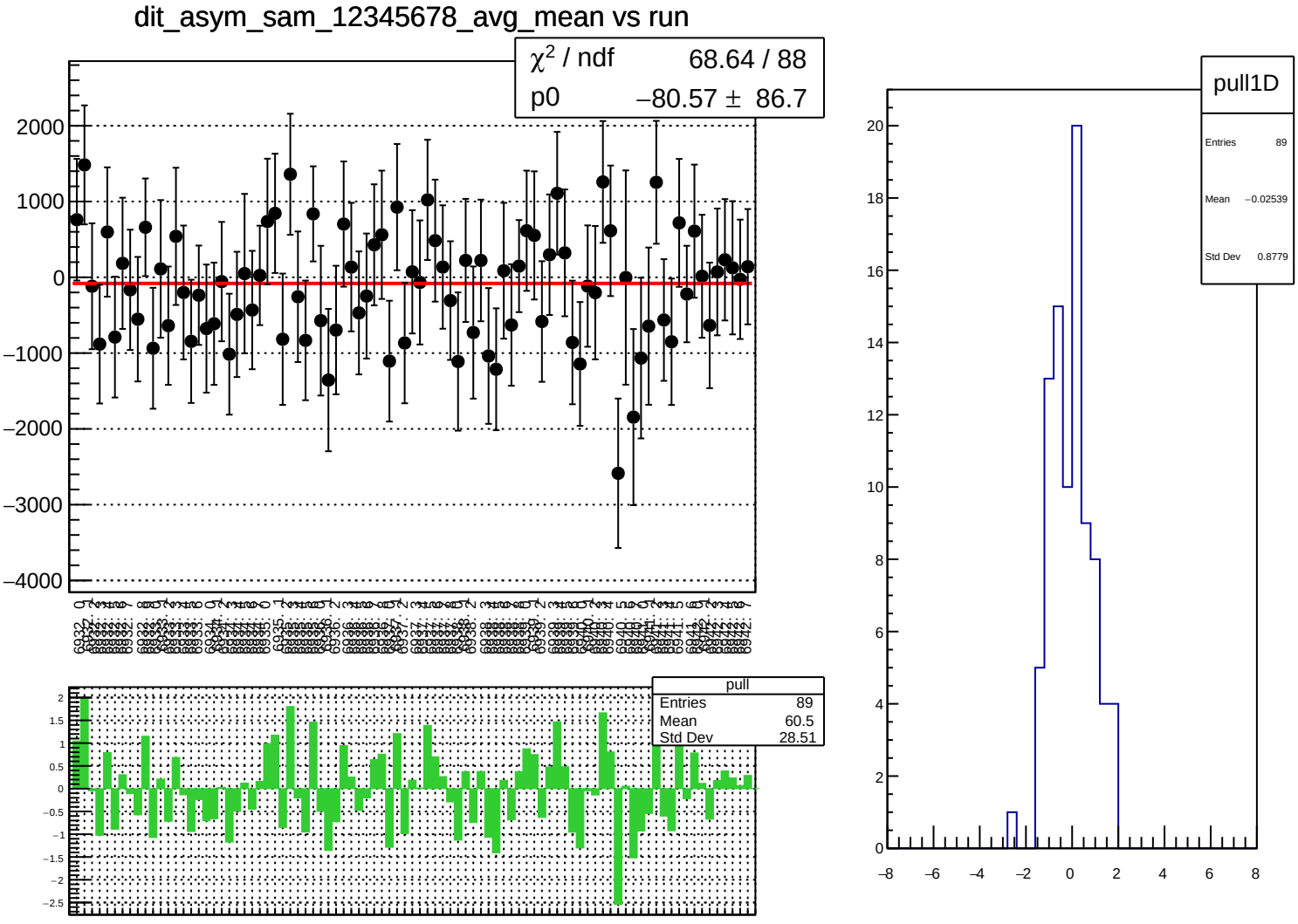

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 77.46 / 88
p0 −60.42 ± 261.3
pull
Entries 89
Mean −1168
Std Dev 1219
pull1D
Entries 89
Mean −0.001864
Std Dev 0.9329


asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.162e+04 / 88
p0 239.3 ± 0.1848
320
300
280
260
240
220

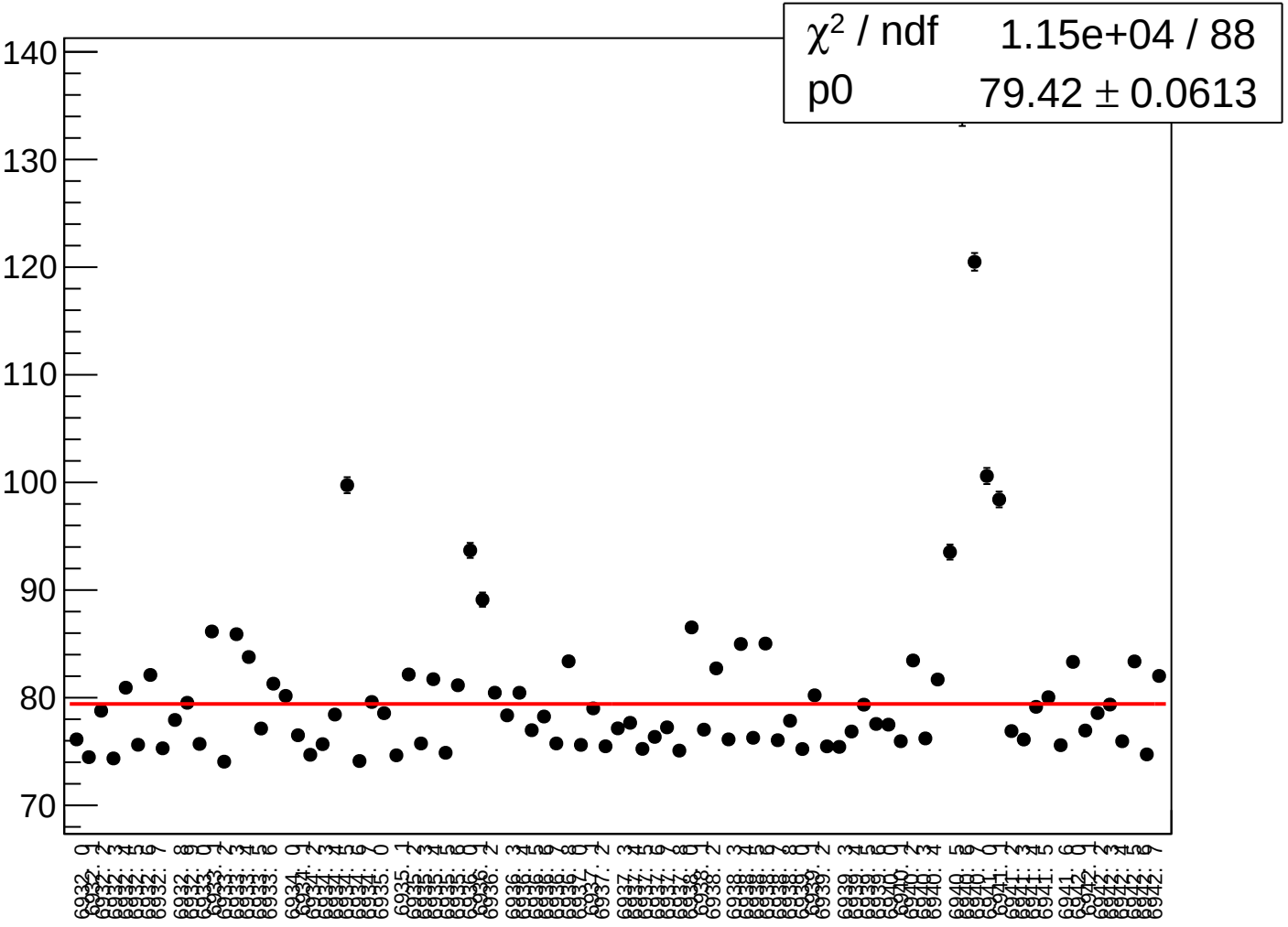

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 74.24 / 88
p0 16.11 ± 266.3
pull
Entries 89
Mean −1748
Std Dev 1801
pull1D
Entries 89
Mean 0.001266
Std Dev 0.9133

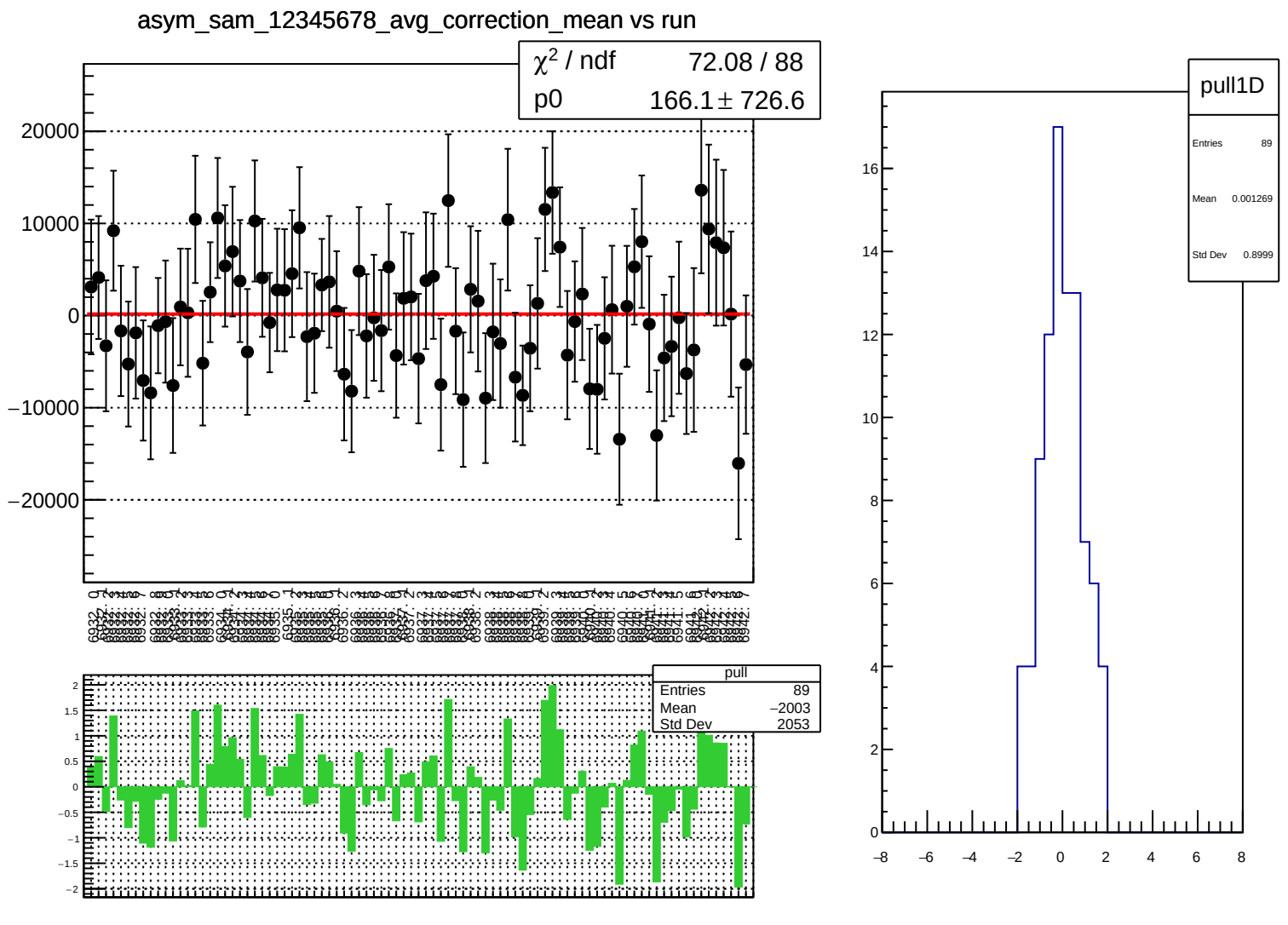
asym_sam_1357_2468_dd_rms vs run



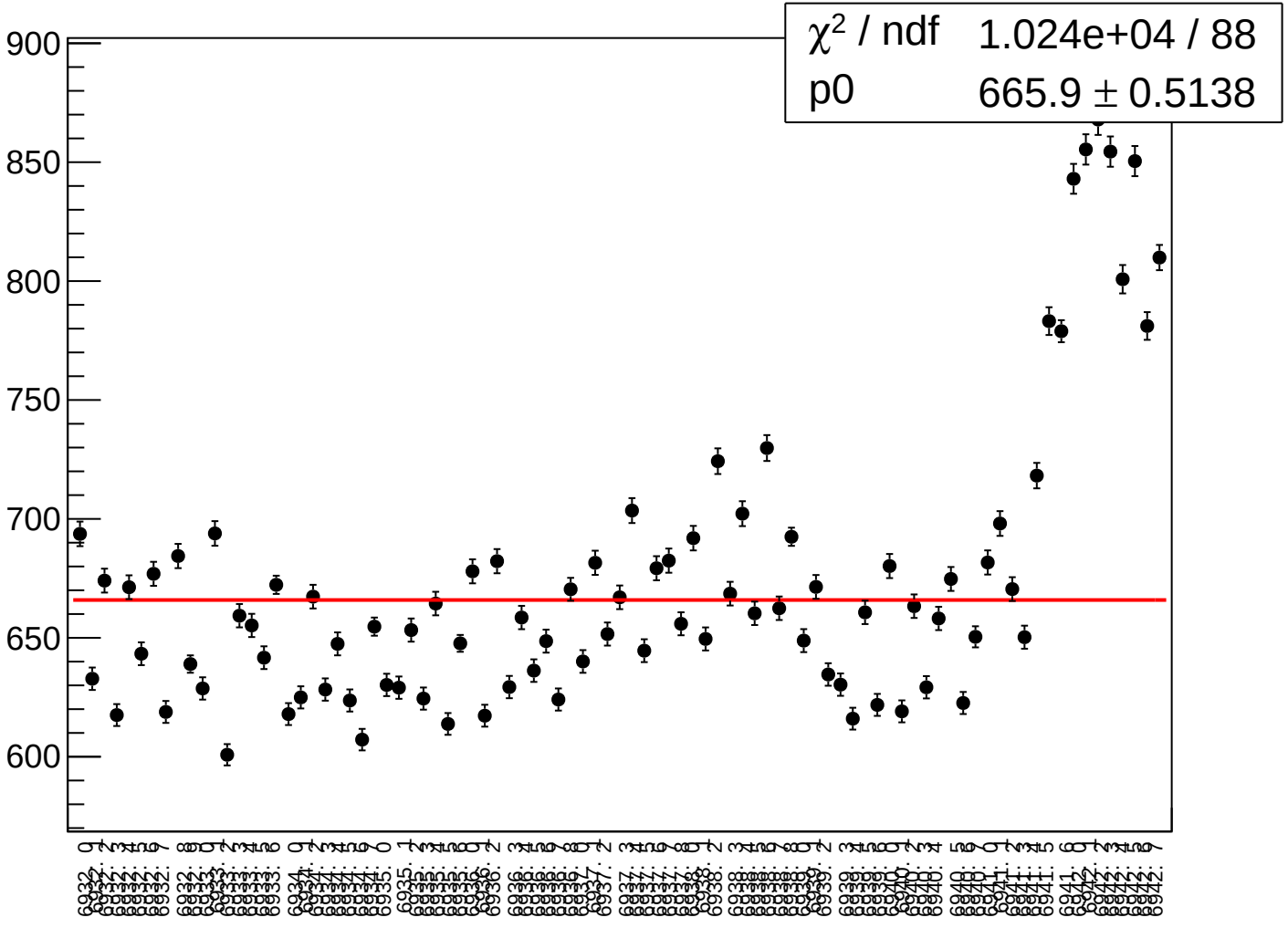

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 68.64 / 88
p0 −80.57 ± 86.7
pull
Entries 89
Mean 60.5
Std Dev 28.51
pull1D
Entries 89
Mean −0.02539
Std Dev 0.8779

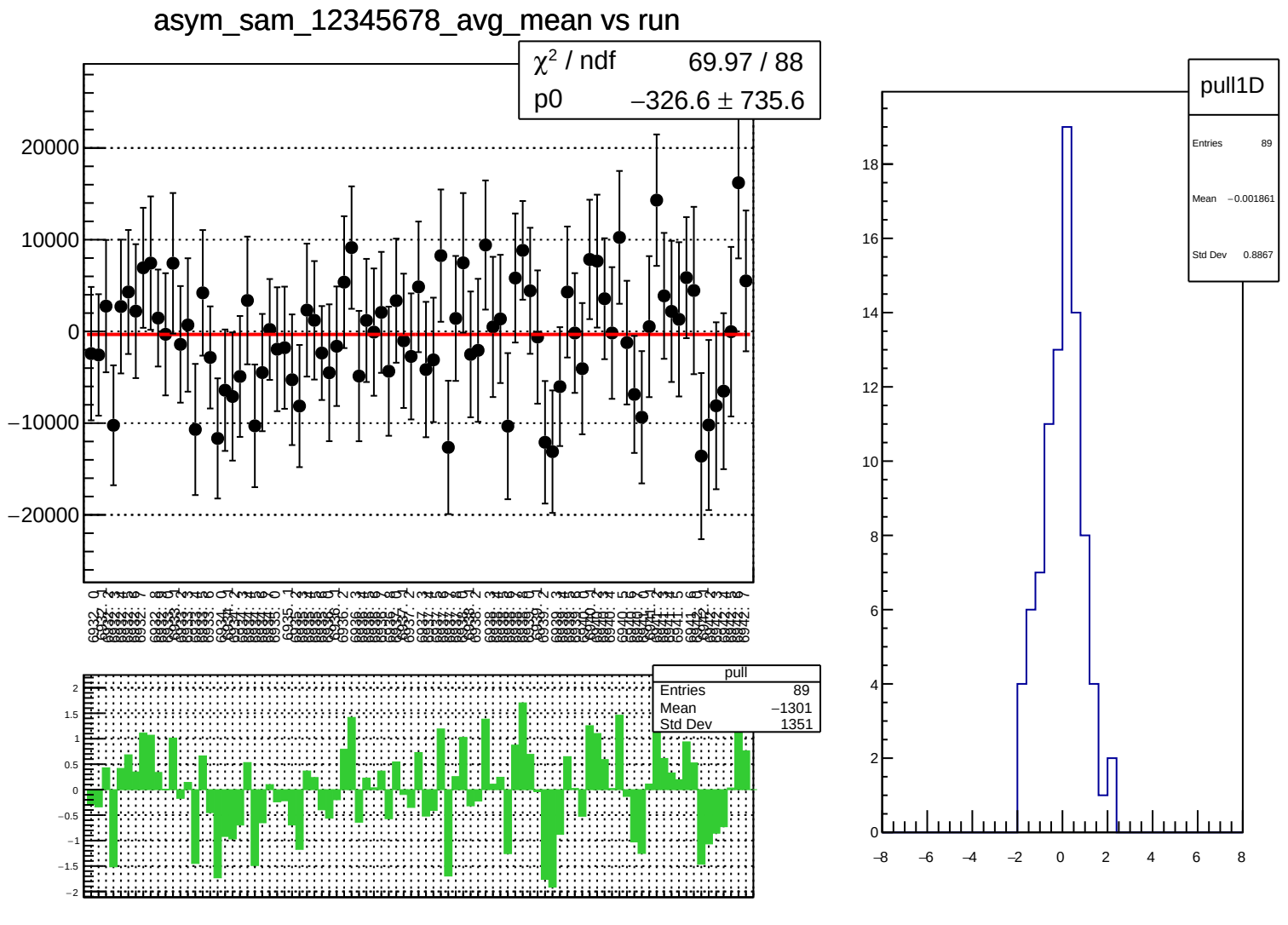
dit_asym_sam_12345678_avg_rms vs run



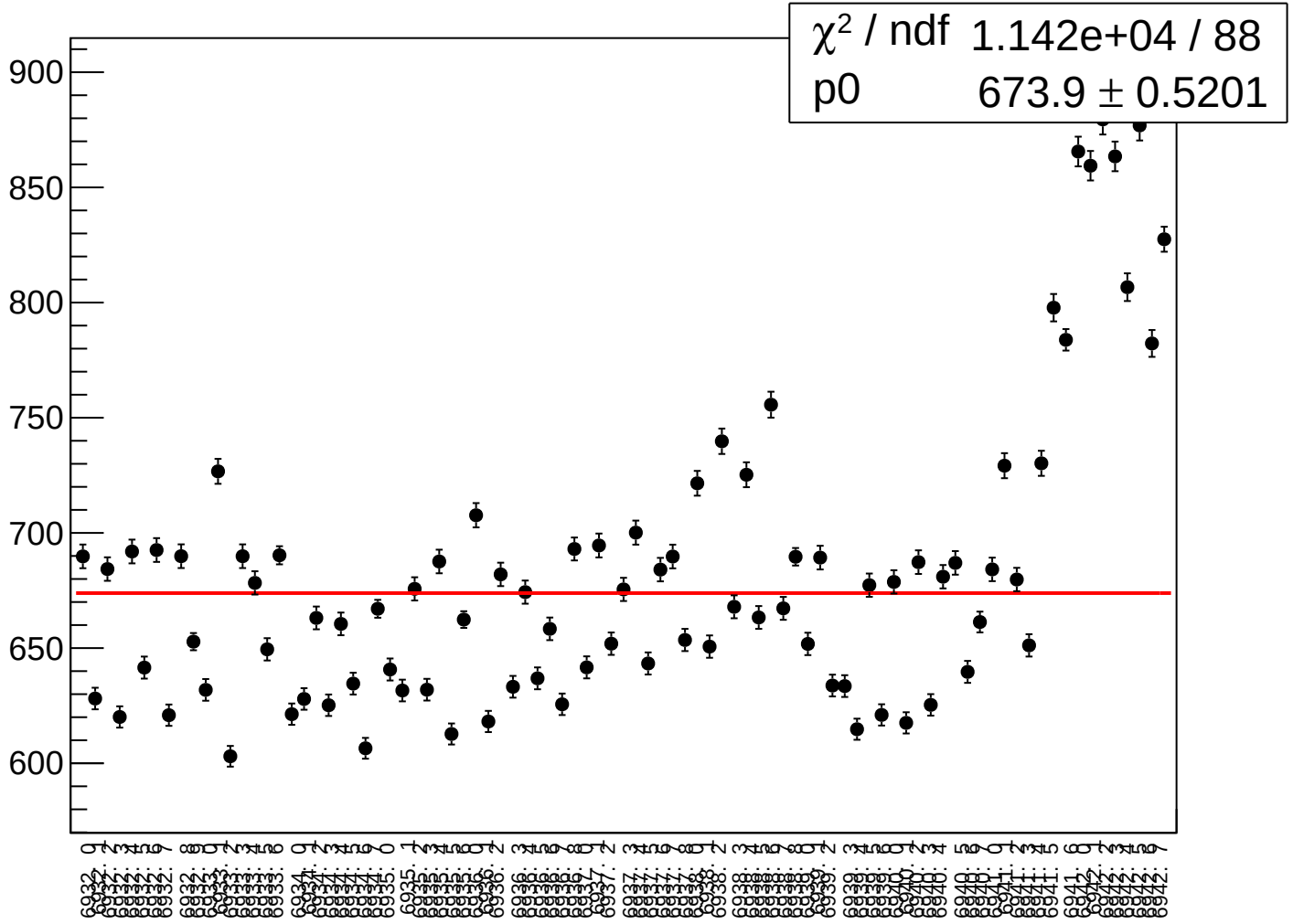

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 72.08 / 88
p0 166.1 ± 726.6
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −2003
Std Dev 2053
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.001269
Std Dev 0.8999
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

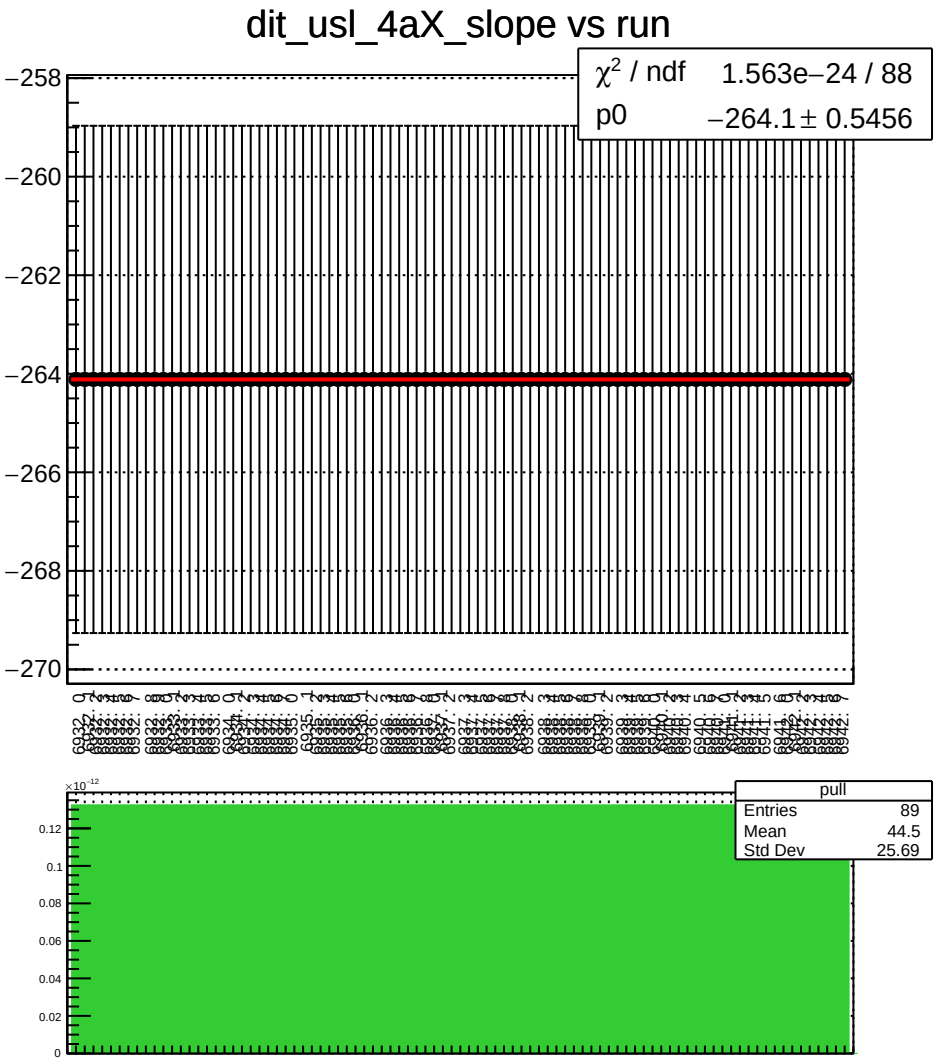
asym_sam_12345678_avg_correction_rms vs run

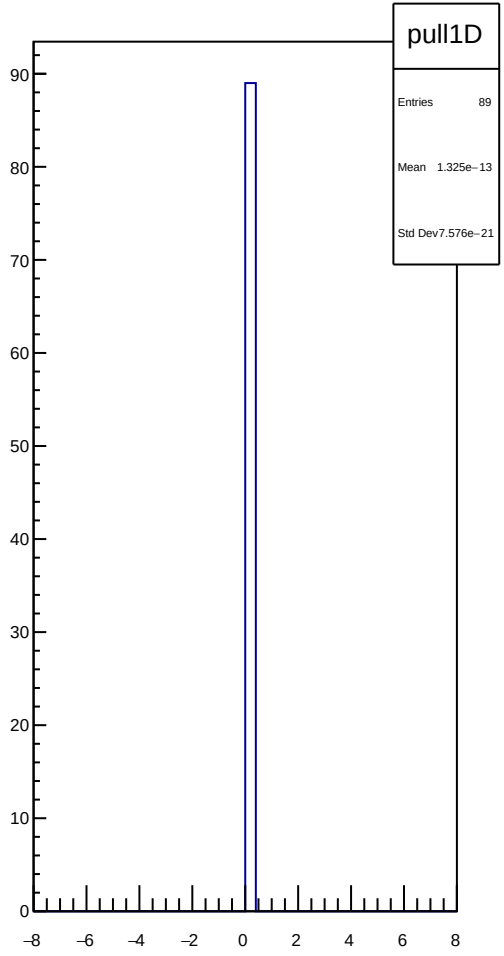


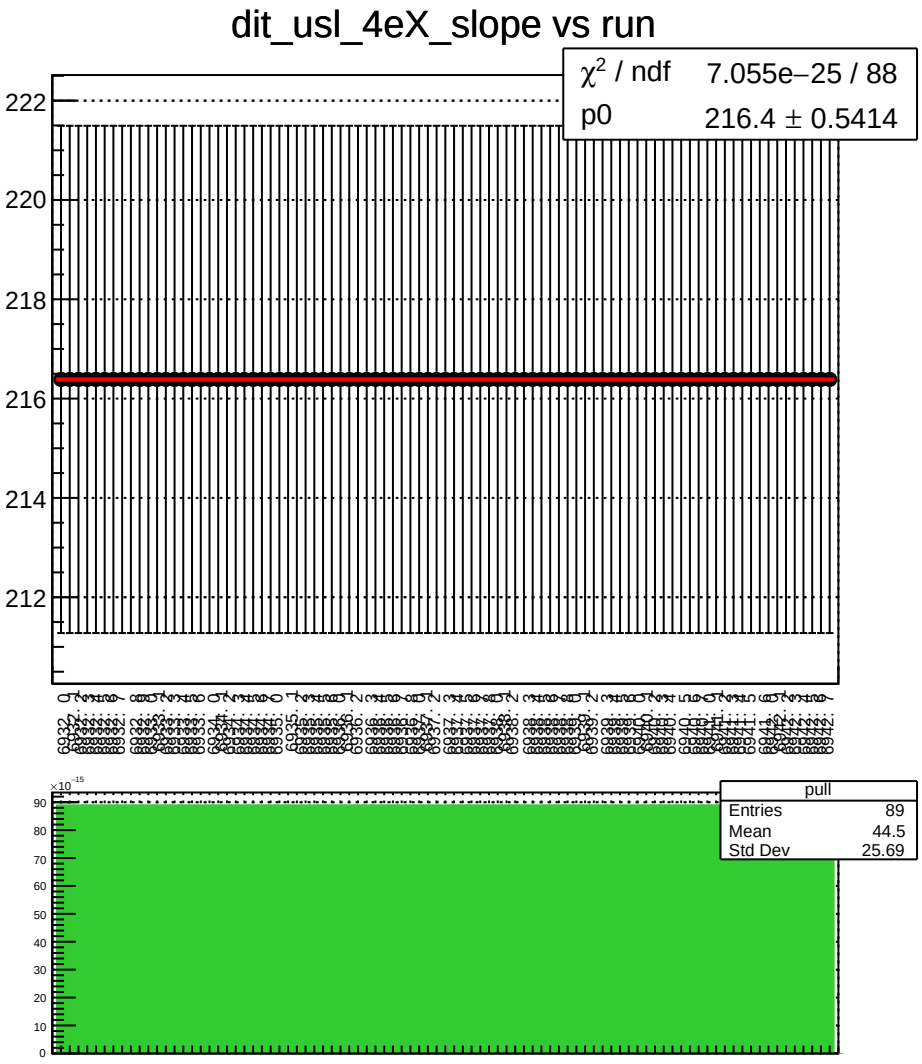

asym_sam_12345678_avg_mean vs run
χ² / ndf 69.97 / 88
p0 −326.6 ± 735.6
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −1301
Std Dev 1351
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.001861
Std Dev 0.8867
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

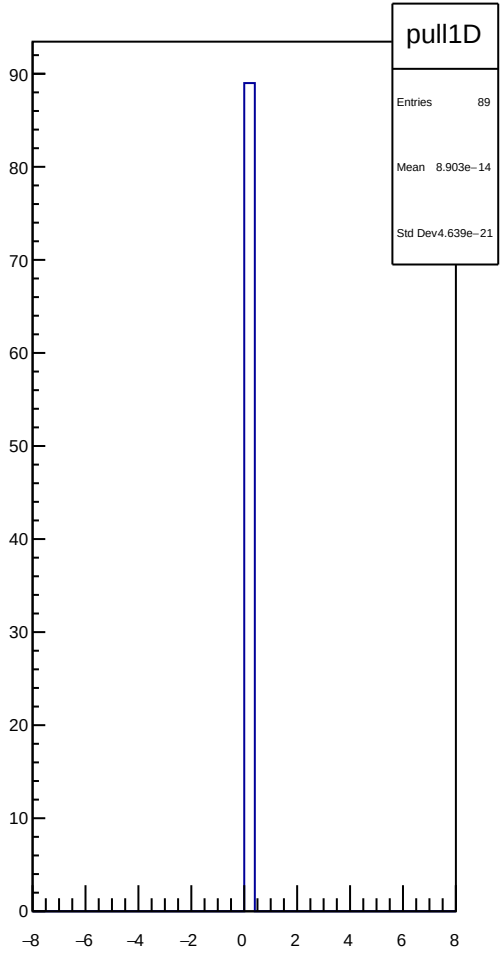
asym_sam_12345678_avg_rms vs run

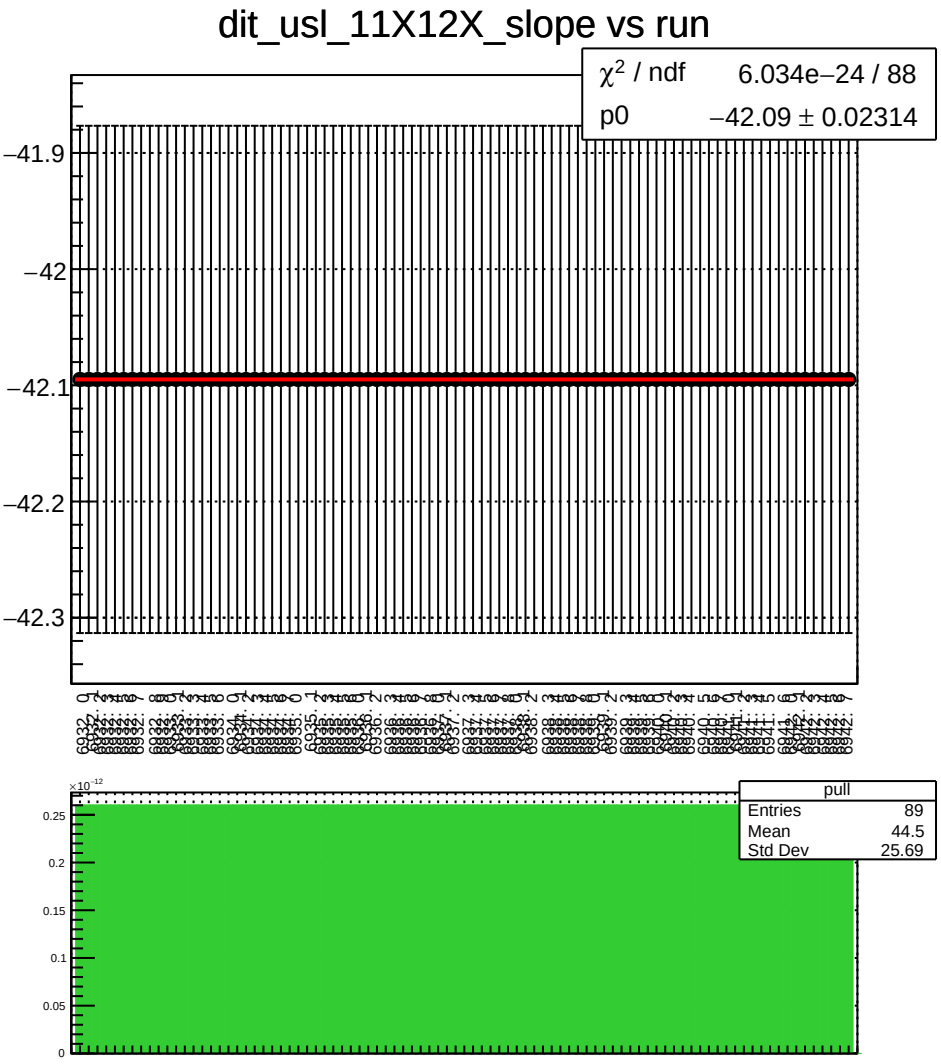


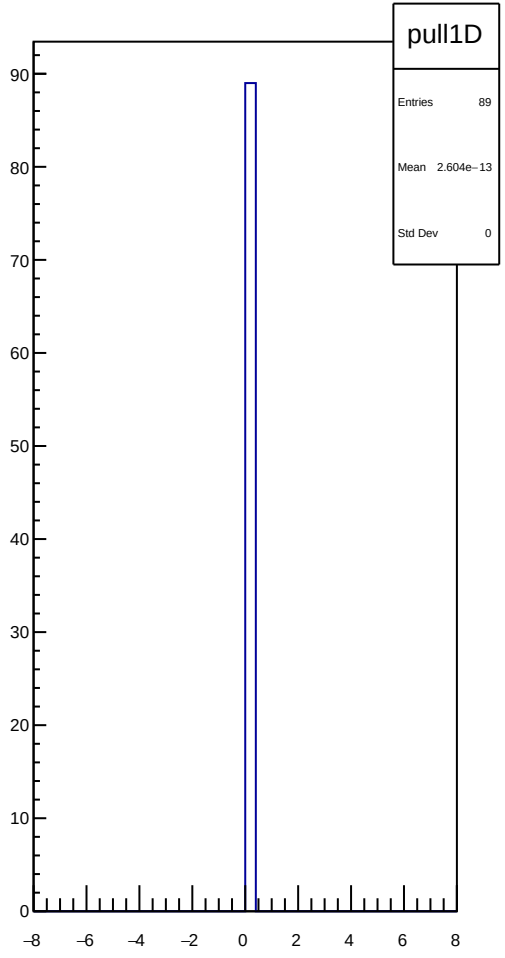

dit_usl_4aX_slope vs run
χ^2 / ndf 1.563e−24 / 88
p0 −264.1 ± 0.5456
−258
−260
−262
−264
−266
−268
−270
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
0.12
0.1
0.08
0.06
0.04
0.02
0

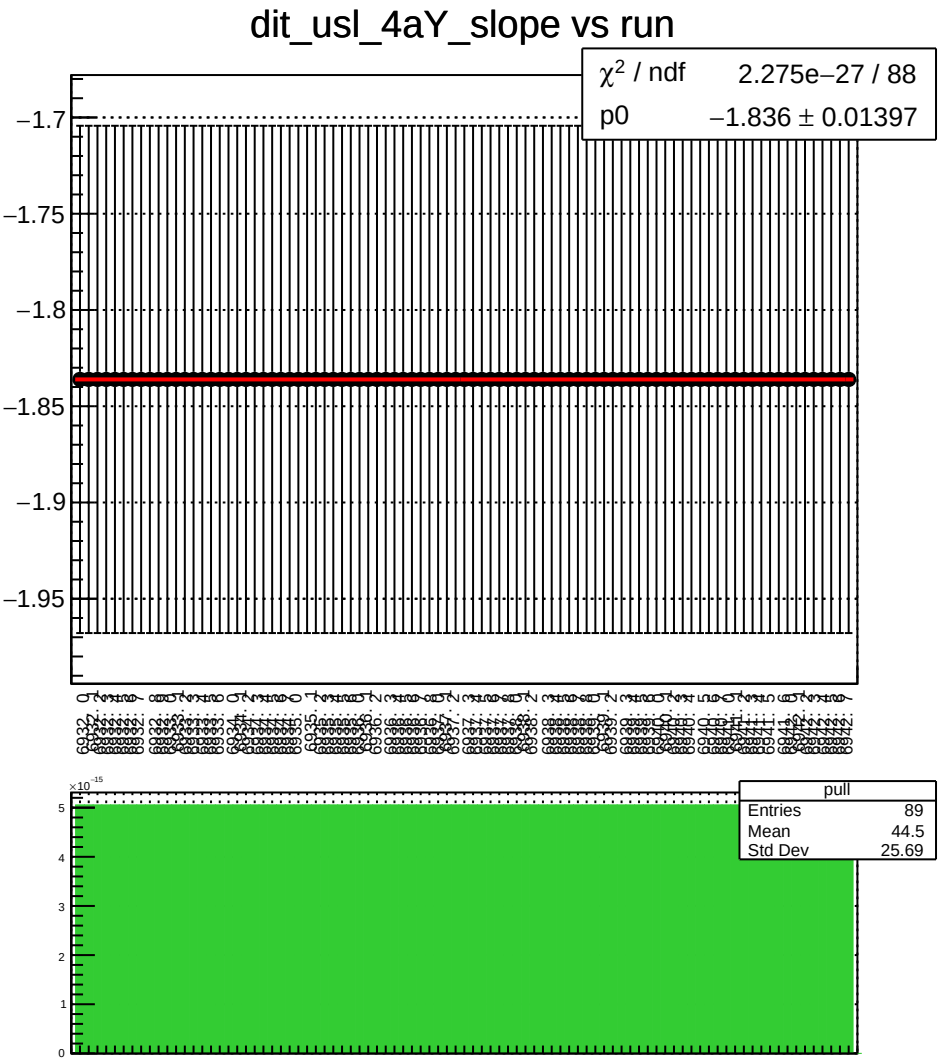

pull1D
Entries 89
Mean 1.325e−13
Std Dev 7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

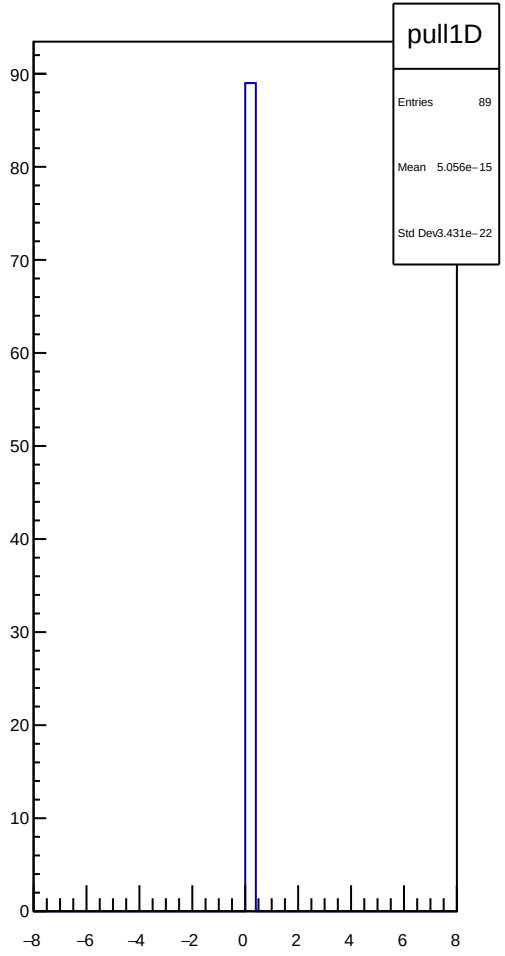

dit_usl_4eX_slope vs run
χ^2 / ndf 7.055e−25 / 88
p0 216.4 ± 0.5414
222
220
218
216
214
212
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

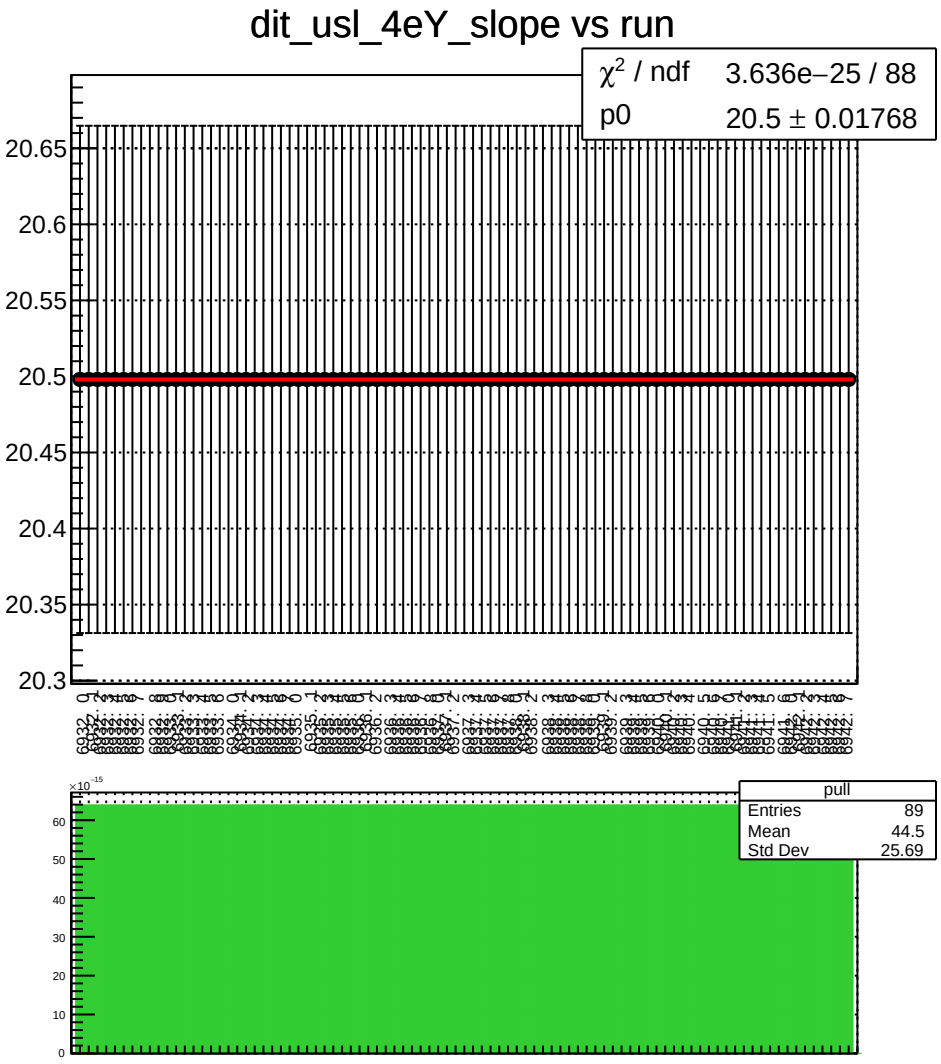

pull1D
Entries 89
Mean 8.903e−14
Std Dev 4.639e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

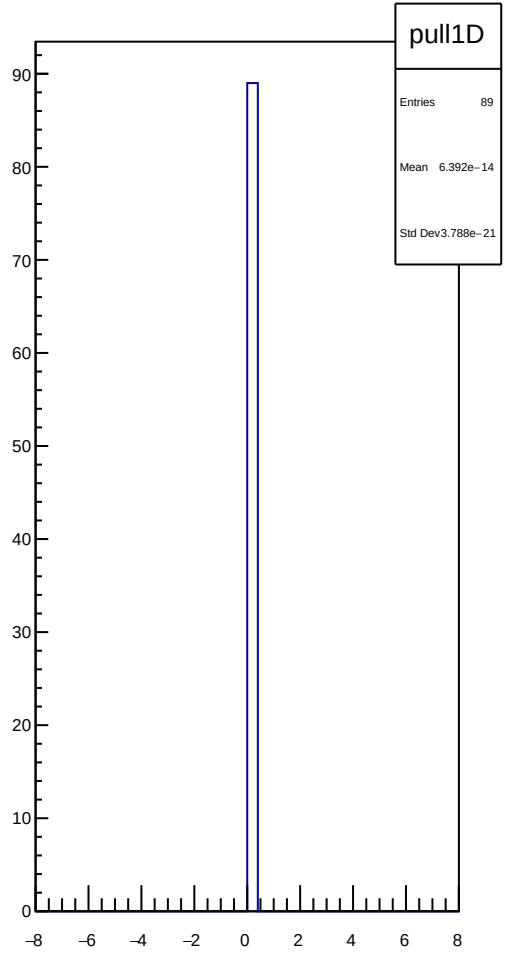

dit_usl_11X12X_slope vs run
χ^2 / ndf 6.034e−24 / 88
p0 −42.09 ± 0.02314
−41.9
−42
−42.1
−42.2
−42.3
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
0.25
0.2
0.15
0.1
0.05
0

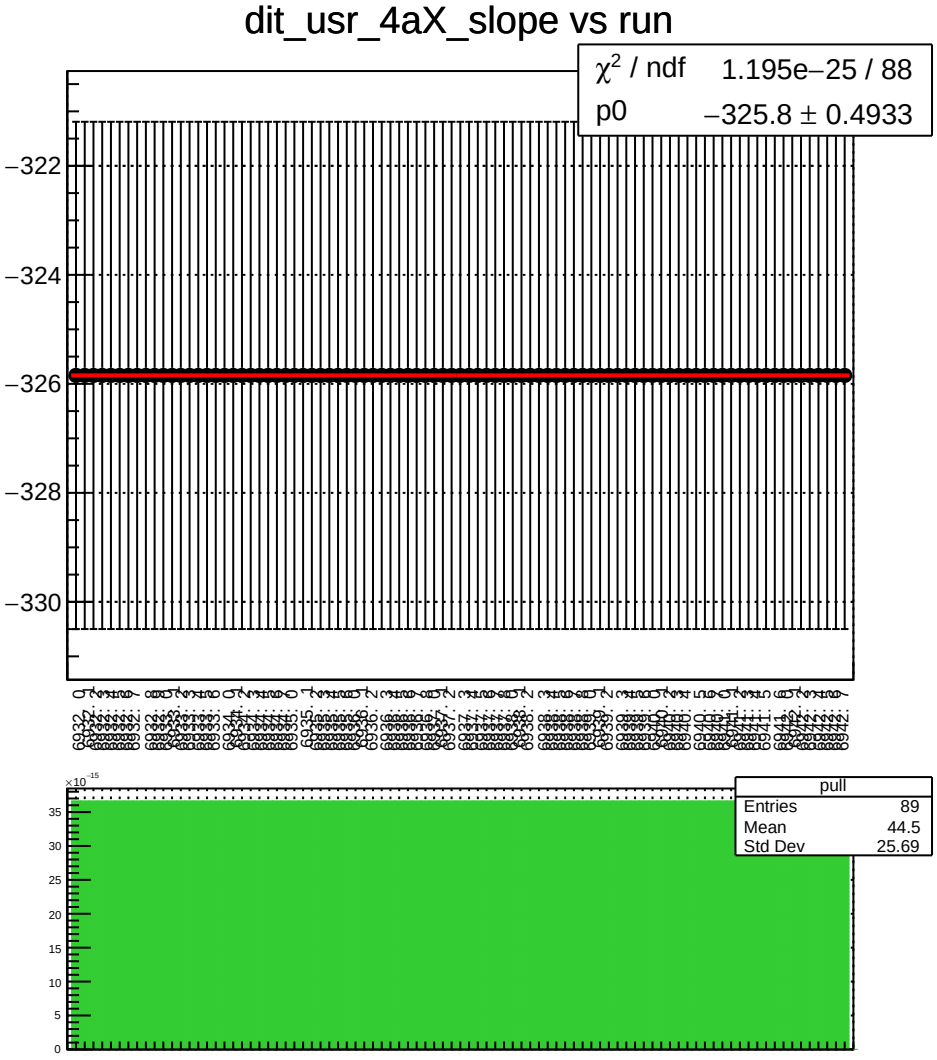

pull1D
Entries 89
Mean 2.604e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

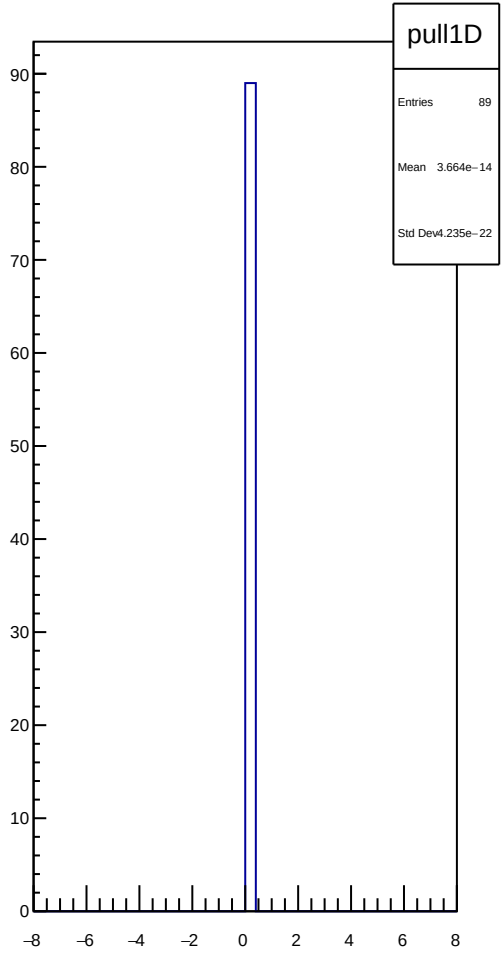

dit_usl_4aY_slope vs run
χ^2 / ndf 2.275e−27 / 88
p0 −1.836 ± 0.01397
−1.7
−1.75
−1.8
−1.85
−1.9
−1.95
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
5
4
3
2
1
0

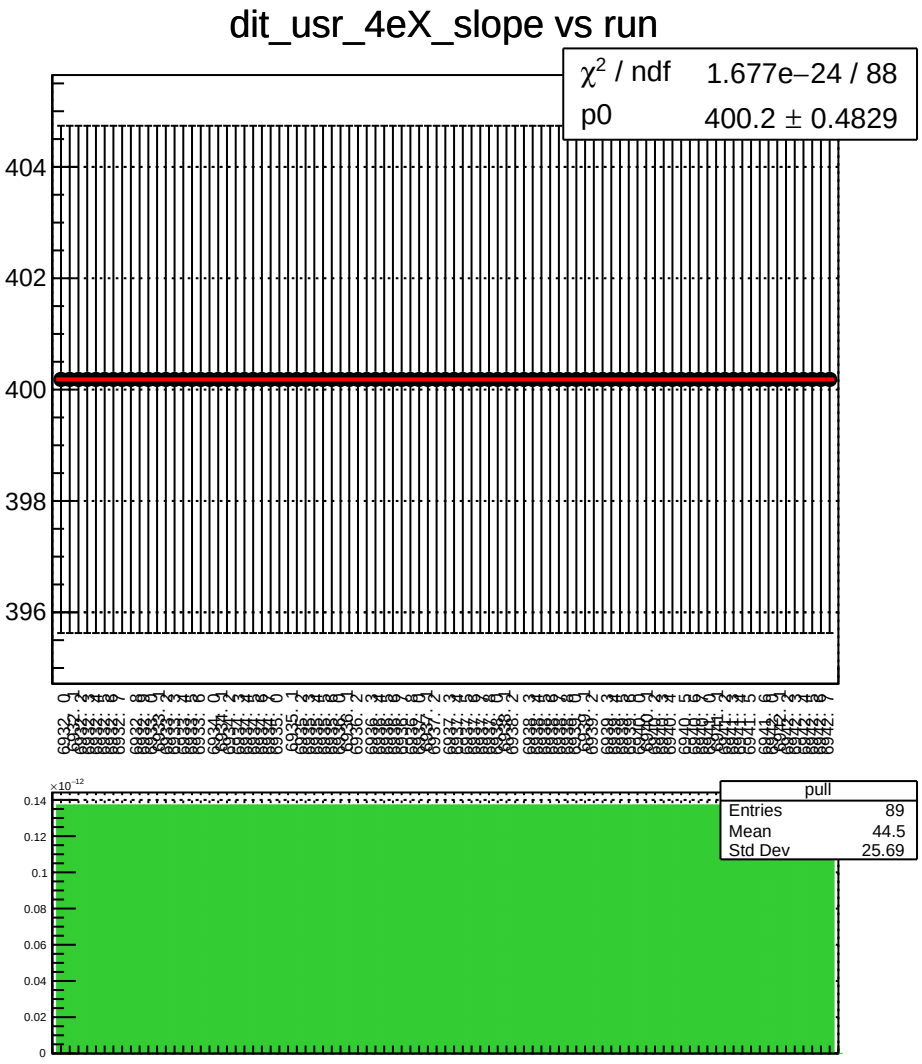

pull1D
Entries 89
Mean 5.056e−15
Std Dev 3.431e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

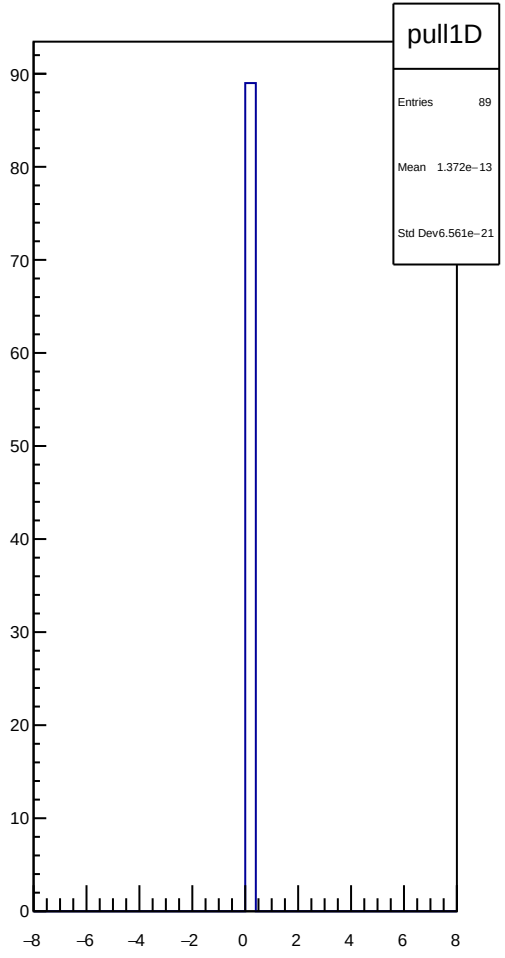

dit_usl_4eY_slope vs run
χ^2 / ndf 3.636e−25 / 88
p0 20.5 ± 0.01768
20.65
20.6
20.55
20.5
20.45
20.4
20.35
20.3
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
60
50
40
30
20
10
0

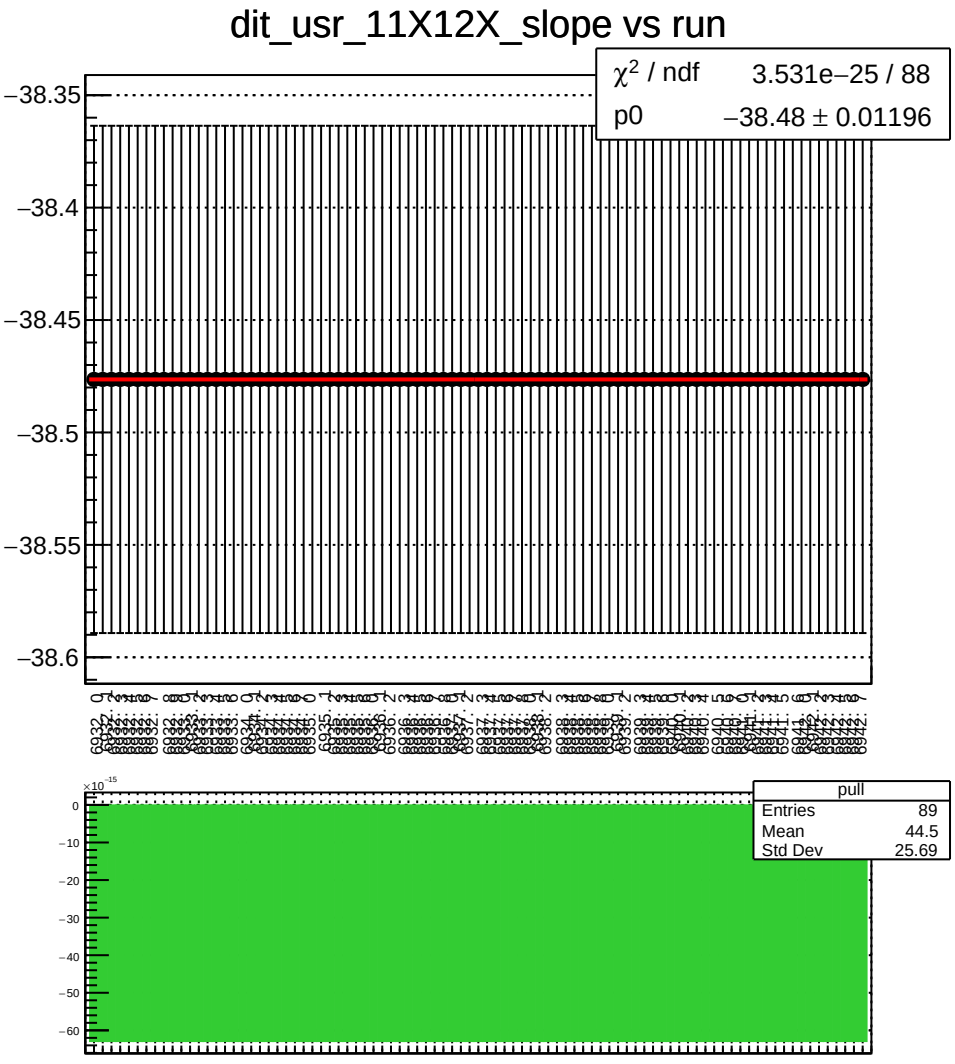

pull1D
Entries 89
Mean 6.392e−14
Std Dev 3.788e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

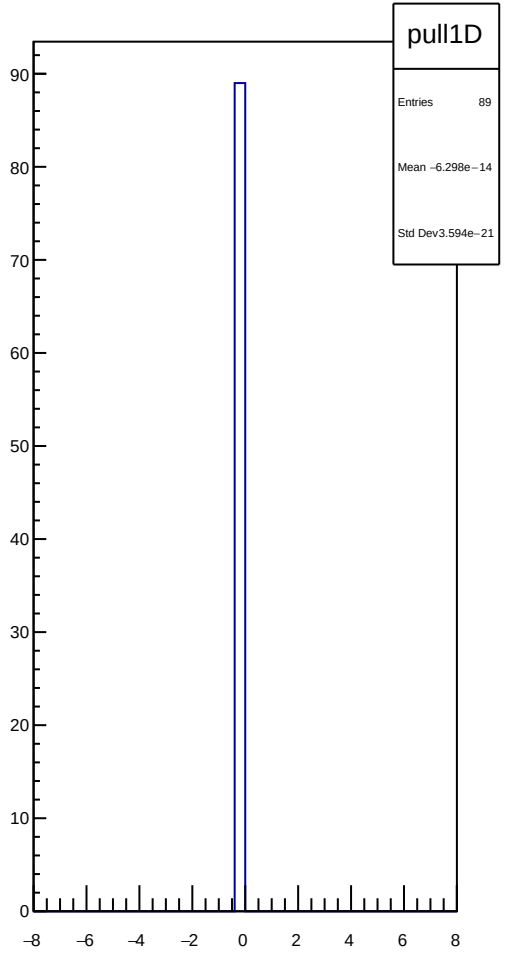

dit_usr_4aX_slope vs run
χ^2 / ndf 1.195e−25 / 88
p0 −325.8 ± 0.4933
−322
−324
−326
−328
−330
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
35
30
25
20
15
10
5
0

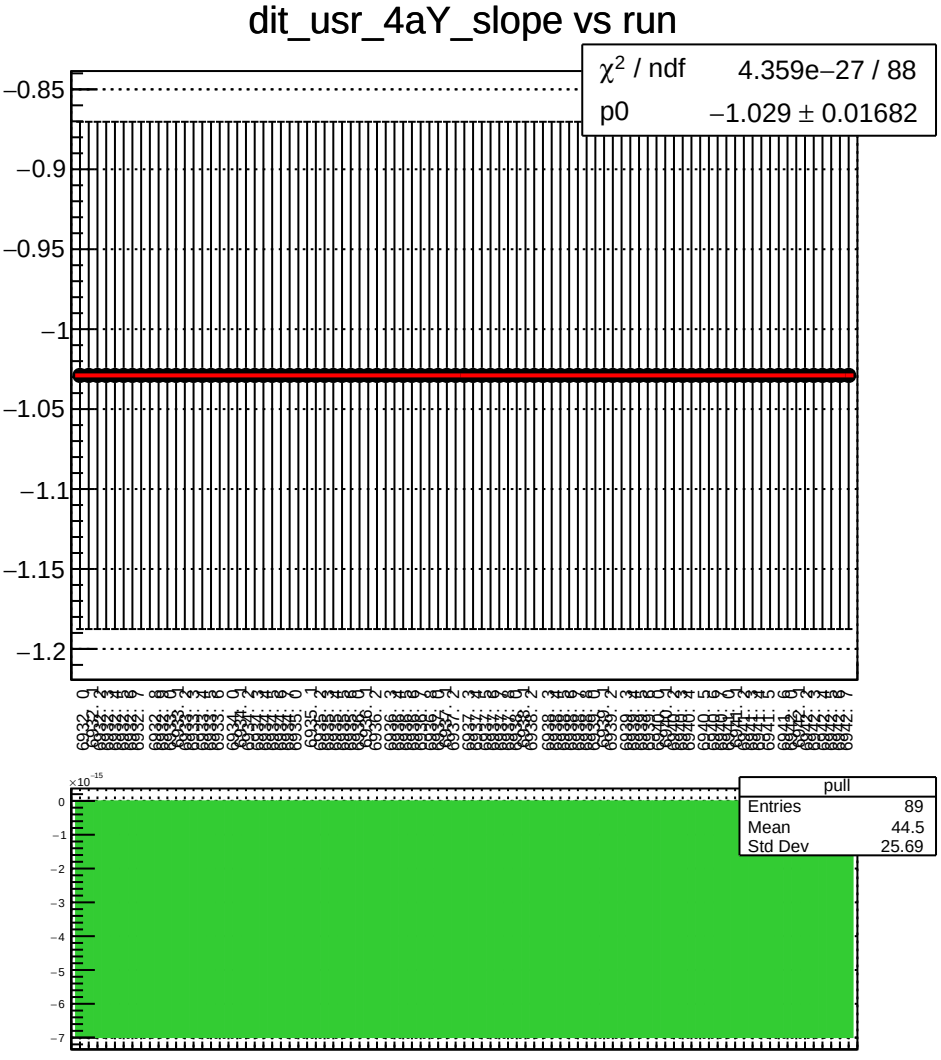

pull1D
Entries 89
Mean 3.664e−14
Std Dev4.235e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

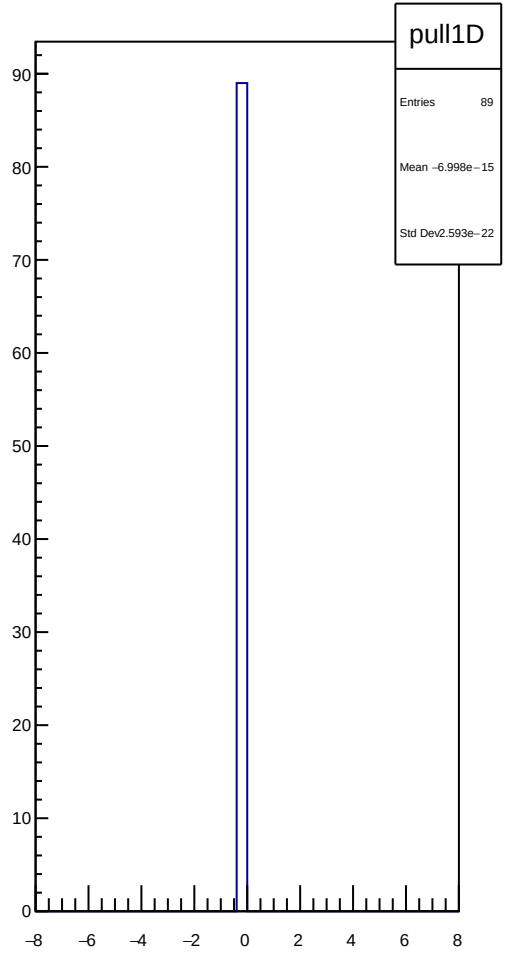

dit_usr_4eX_slope vs run
χ^2 / ndf 1.677e−24 / 88
p0 400.2 ± 0.4829
404
402
400
398
396
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

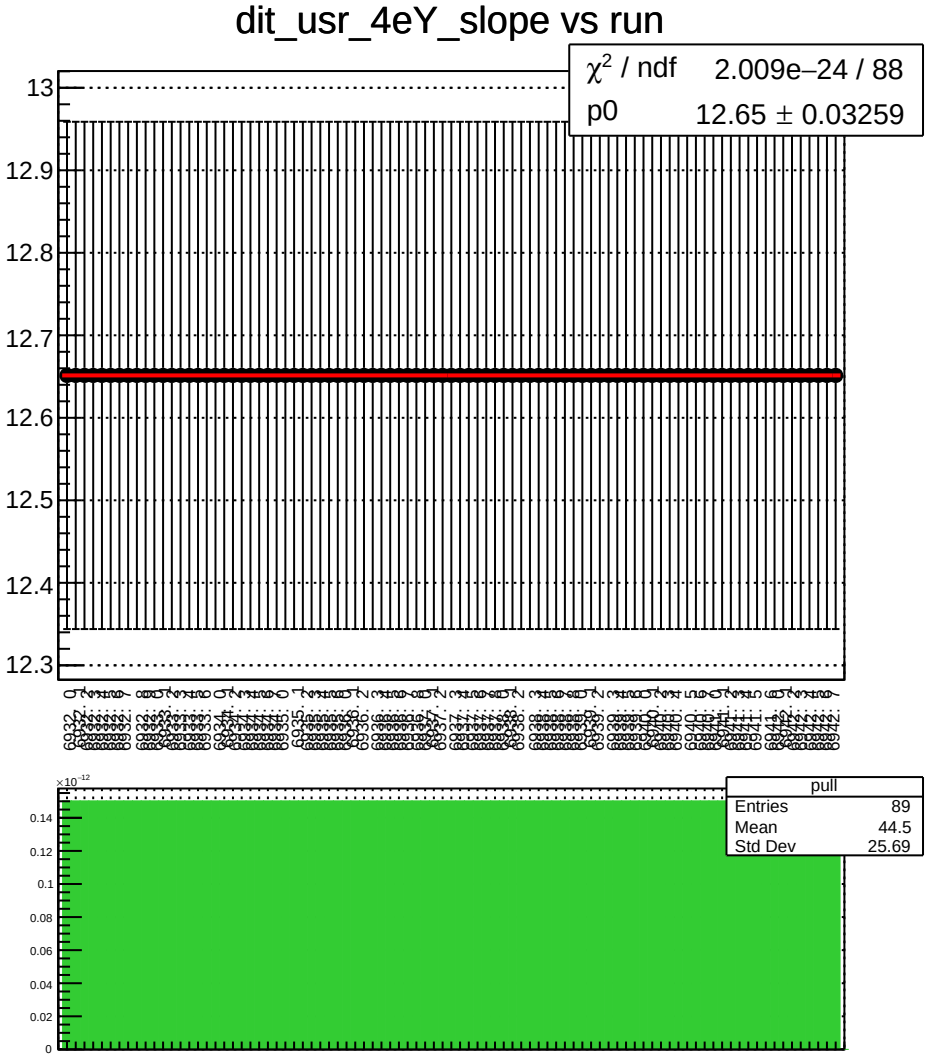

pull1D
Entries 89
Mean 1.372e−13
Std Dev 6.561e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

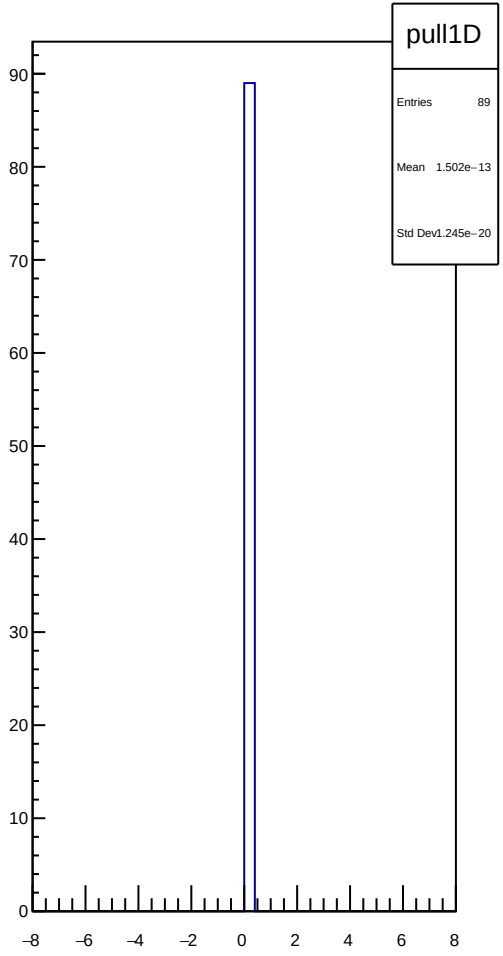

dit_usr_11X12X_slope vs run
χ² / ndf 3.531e−25 / 88
p0 −38.48 ± 0.01196
−38.35
−38.4
−38.45
−38.5
−38.55
−38.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60


pull1D
Entries 89
Mean −6.298e−14
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

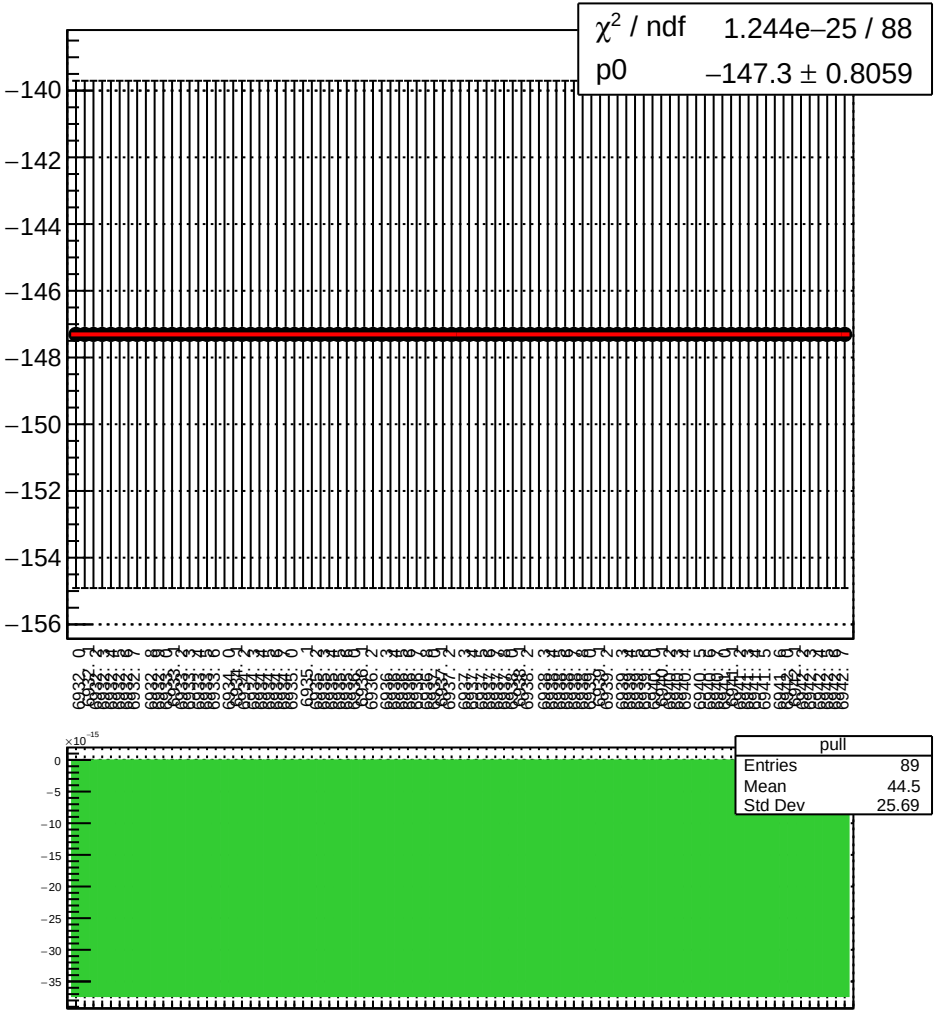

dit_usr_4aY_slope vs run
χ² / ndf 4.359e−27 / 88
p0 −1.029 ± 0.01682
−0.85
−0.9
−0.95
−1
−1.05
−1.1
−1.15
−1.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

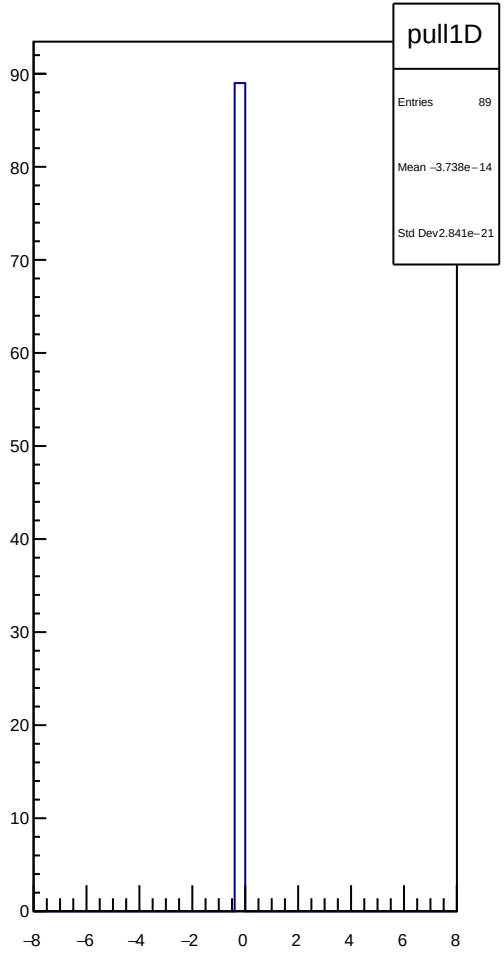

pull1D
Entries 89
Mean −6.998e−15
Std Dev 2.593e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

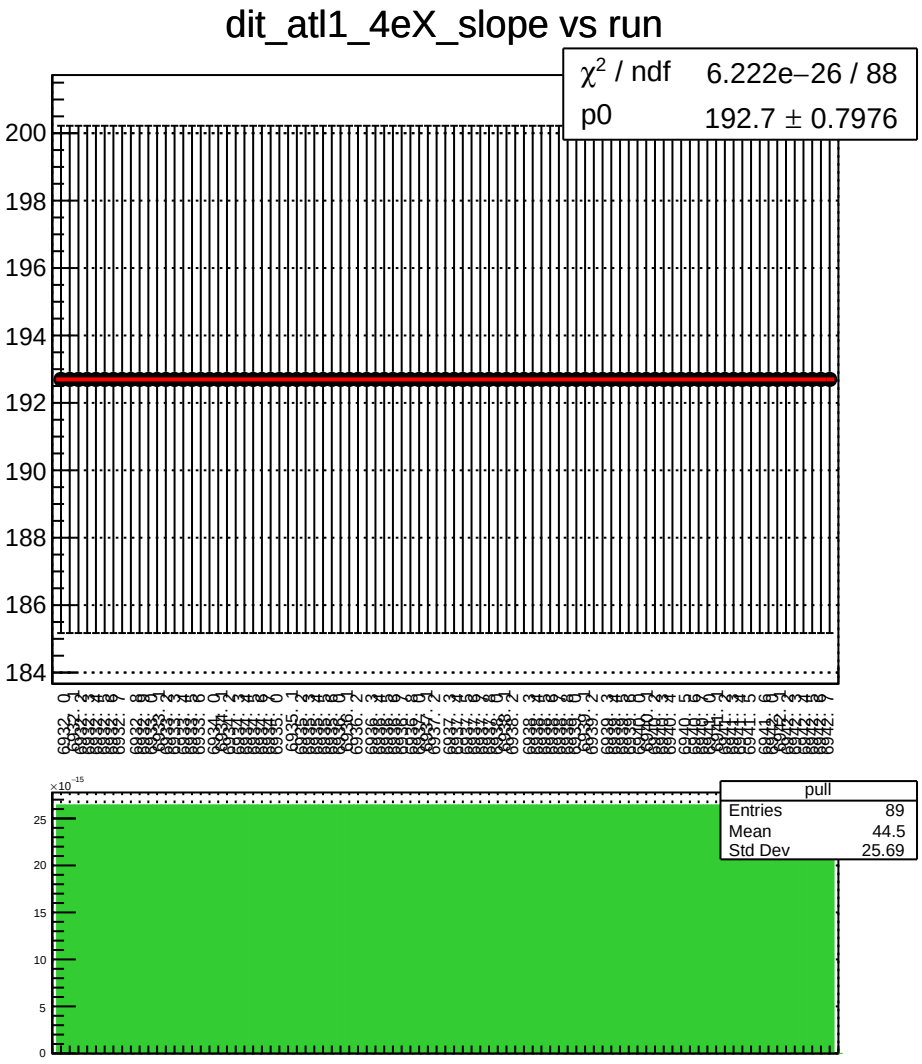

dit_usr_4eY_slope vs run
χ^2 / ndf 2.009e−24 / 88
p0 12.65 ± 0.03259
13
12.9
12.8
12.7
12.6
12.5
12.4
12.3
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

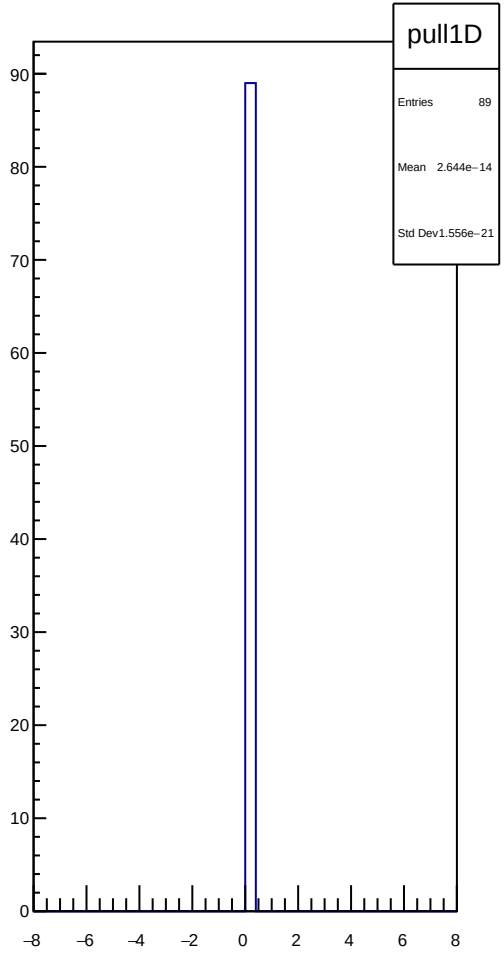

pull1D
Entries 89
Mean 1.502e−13
Std Dev 1.245e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run

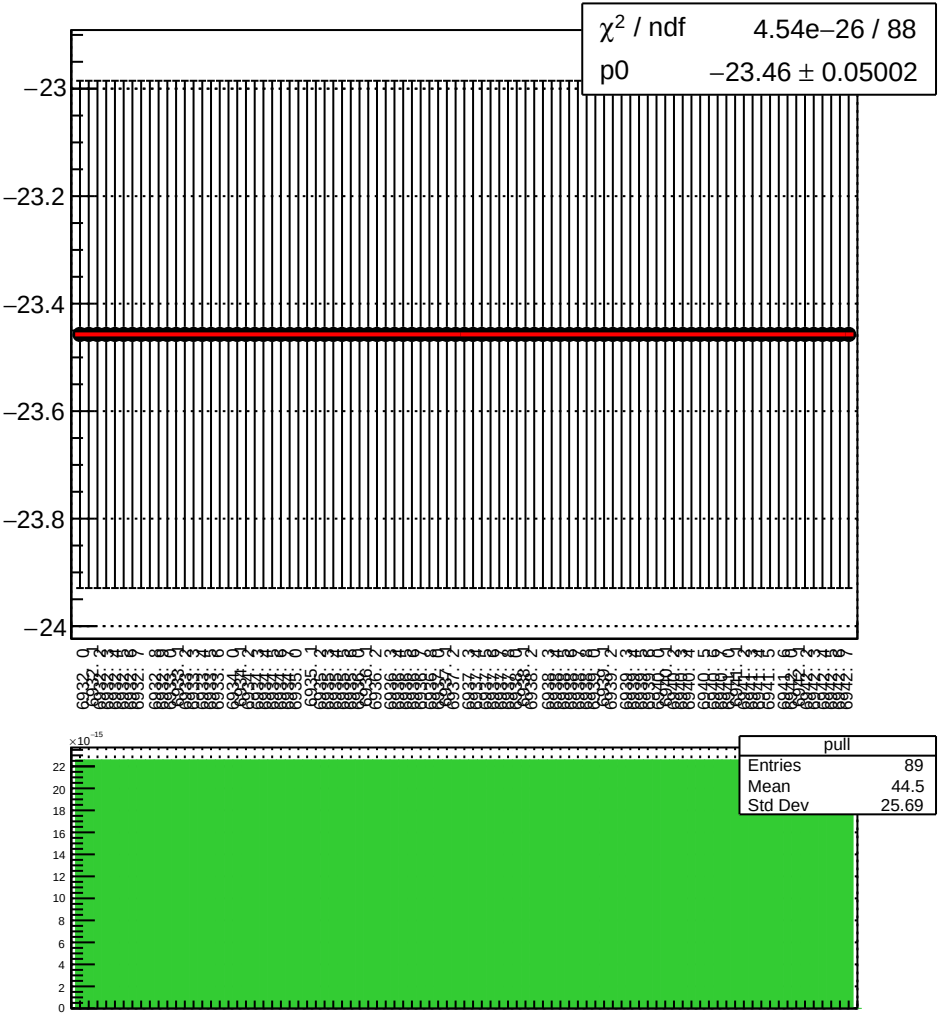


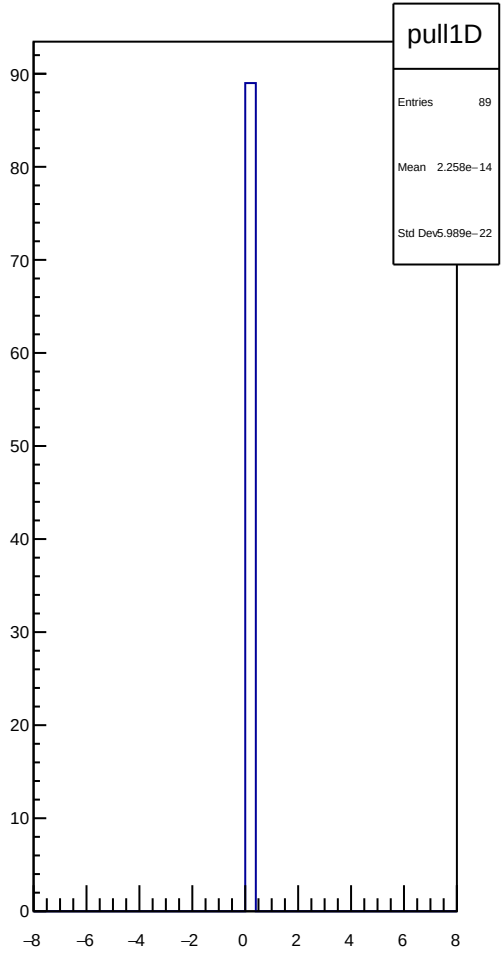


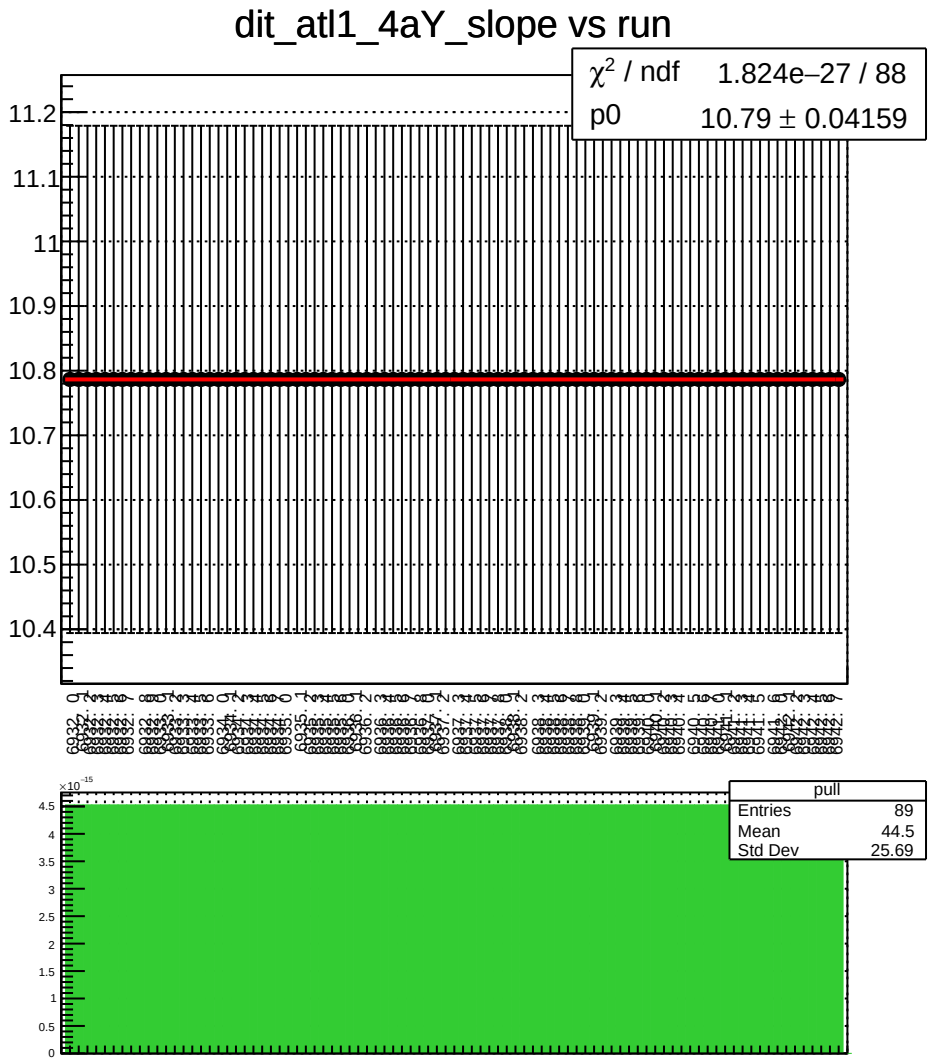

dit_atl1_4eX_slope vs run
χ^2 / ndf 6.222e−26 / 88
p0 192.7 ± 0.7976
pull
Entries 89
Mean 44.5
Std Dev 25.69

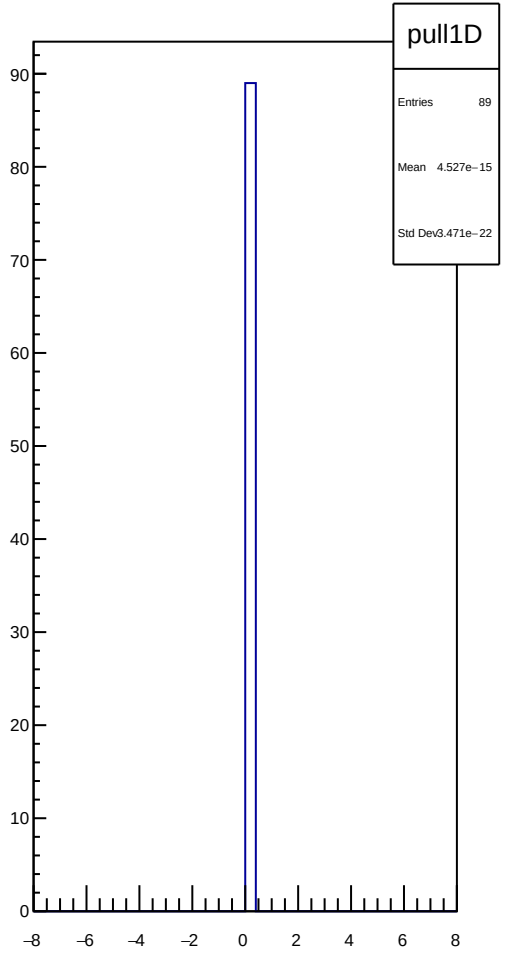

pull1D
Entries 89
Mean 2.644e−14
Std Dev 1.556e−21

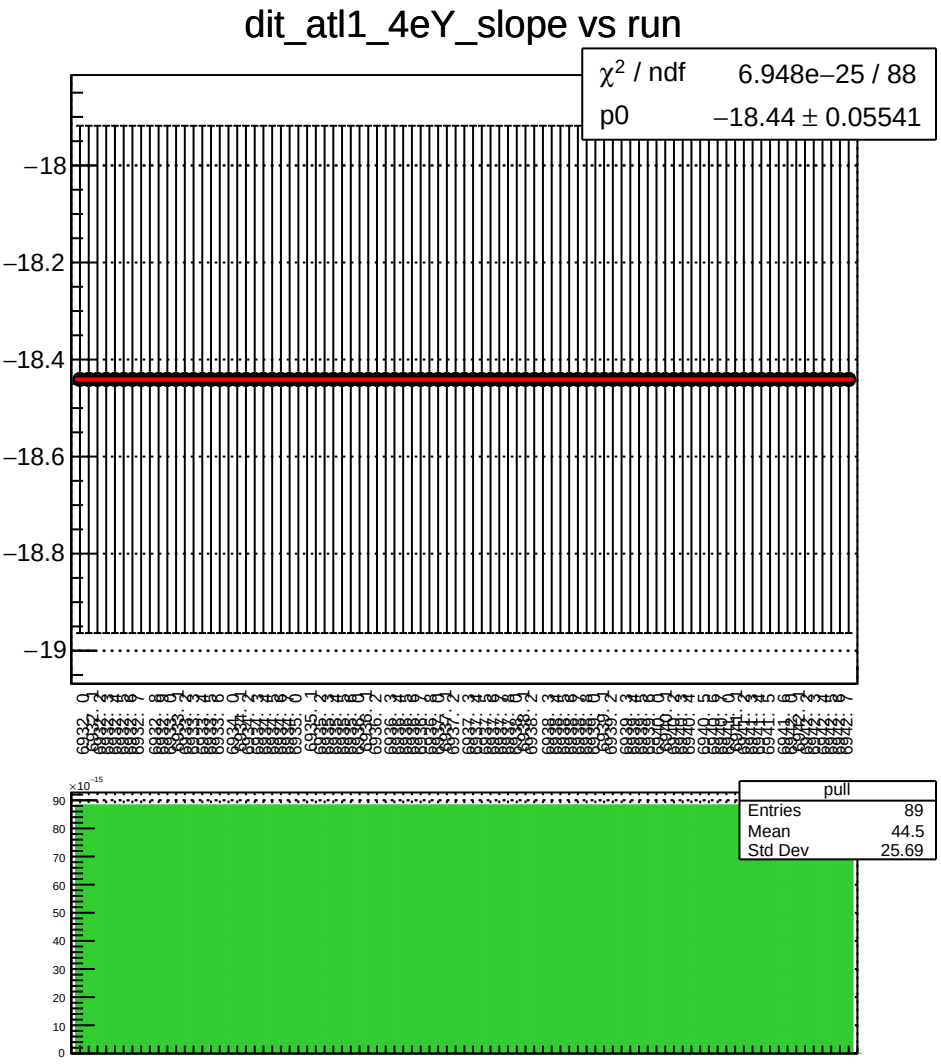
dit_atl1_11X12X_slope vs run

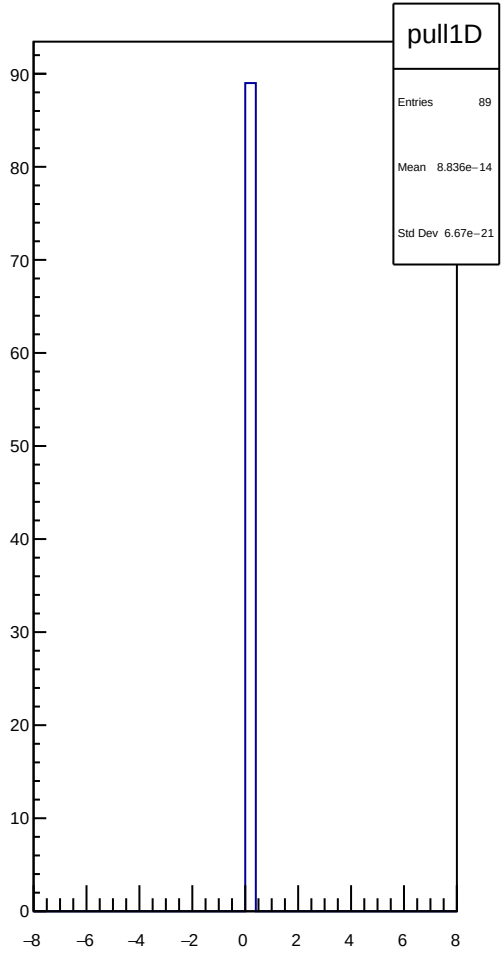


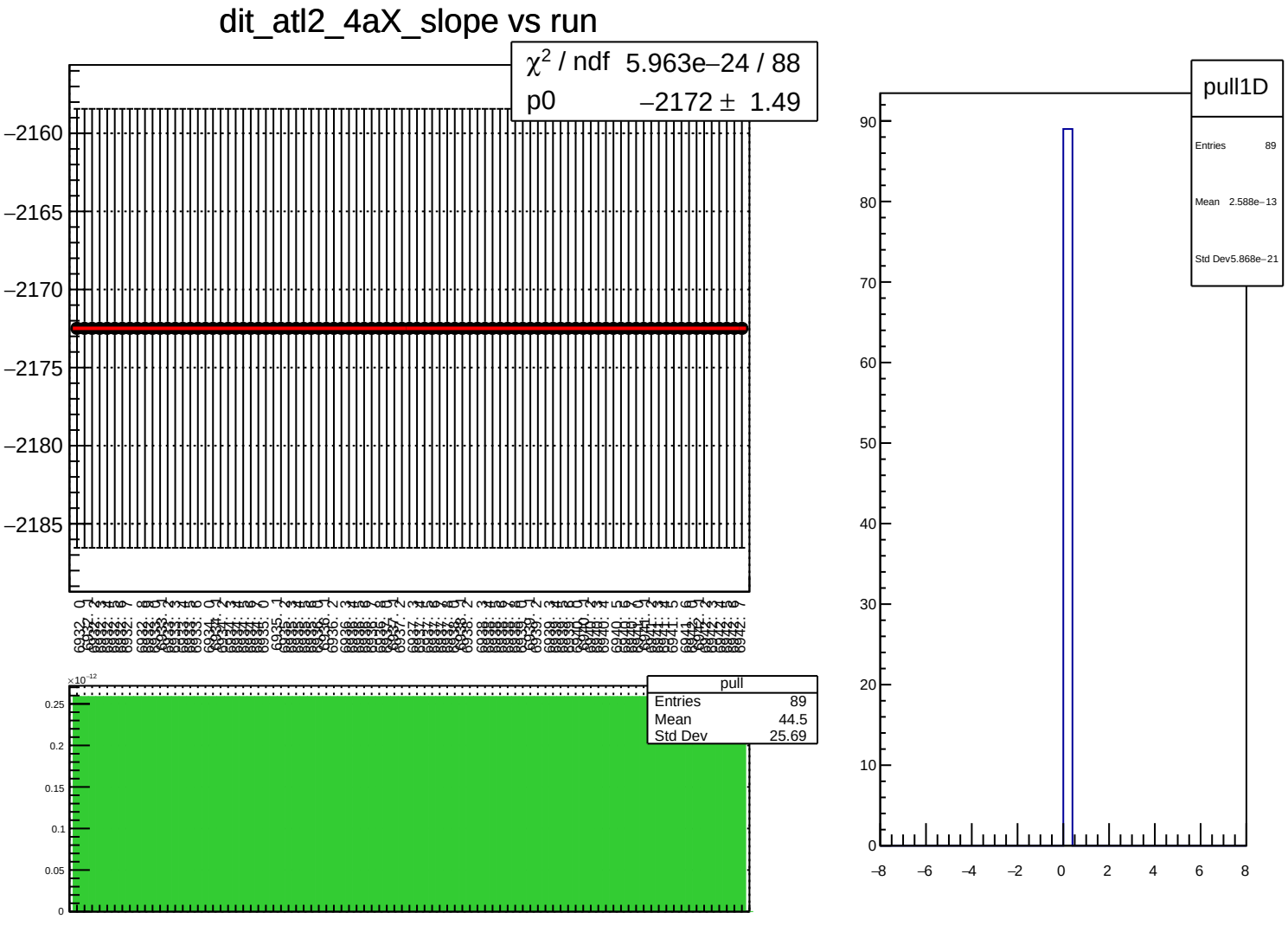


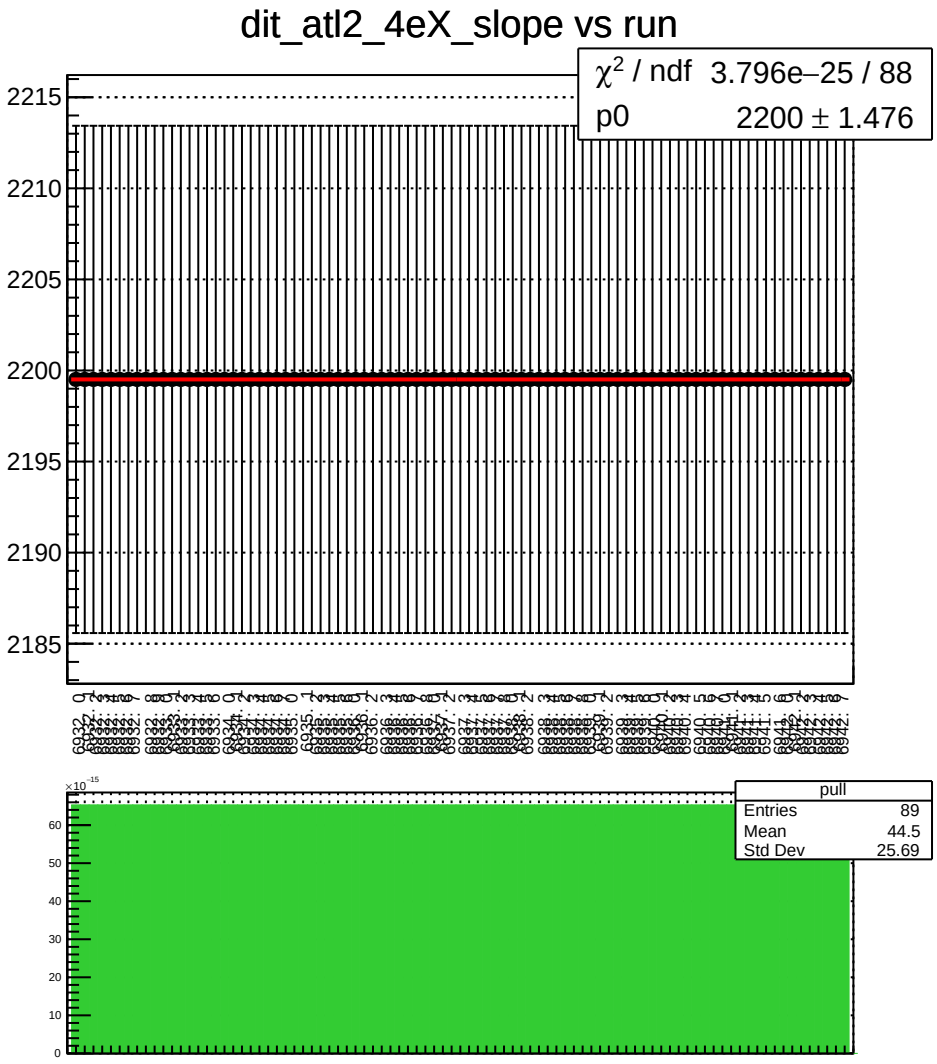

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.824e−27 / 88
p0 10.79 ± 0.04159
11.2
11.1
11
10.9
10.8
10.7
10.6
10.5
10.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

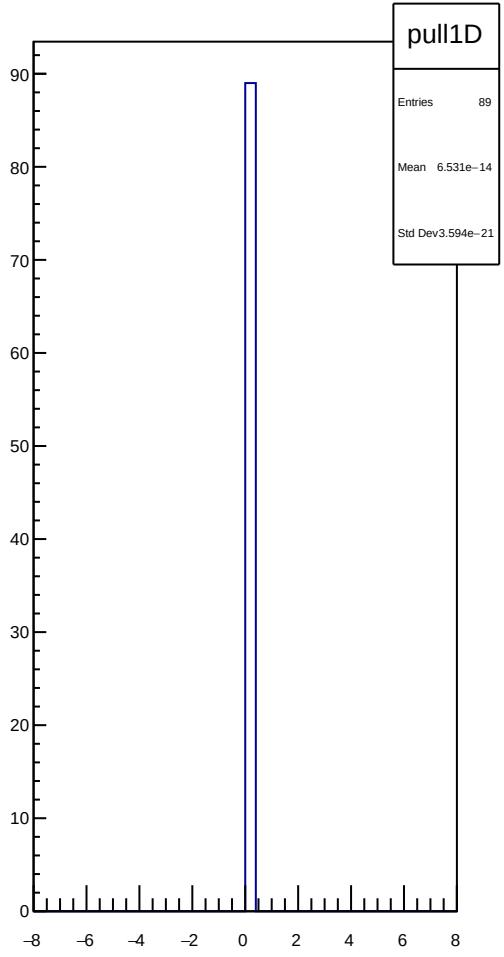

pull1D
Entries 89
Mean 4.527e−15
Std Dev 3.471e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

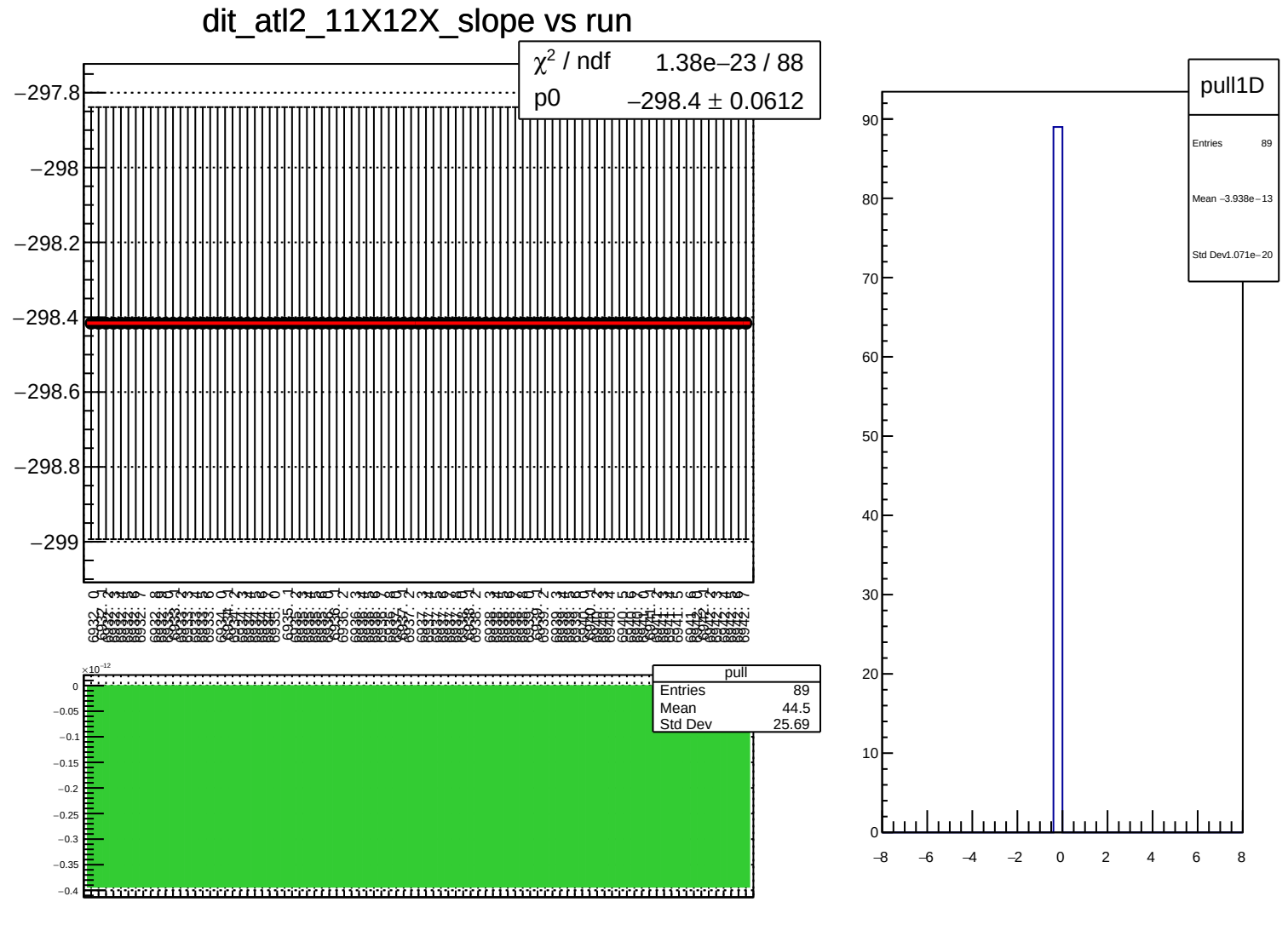

dit_atl1_4eY_slope vs run
χ^2 / ndf 6.948e−25 / 88
p0 −18.44 ± 0.05541
−18
−18.2
−18.4
−18.6
−18.8
−19
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15

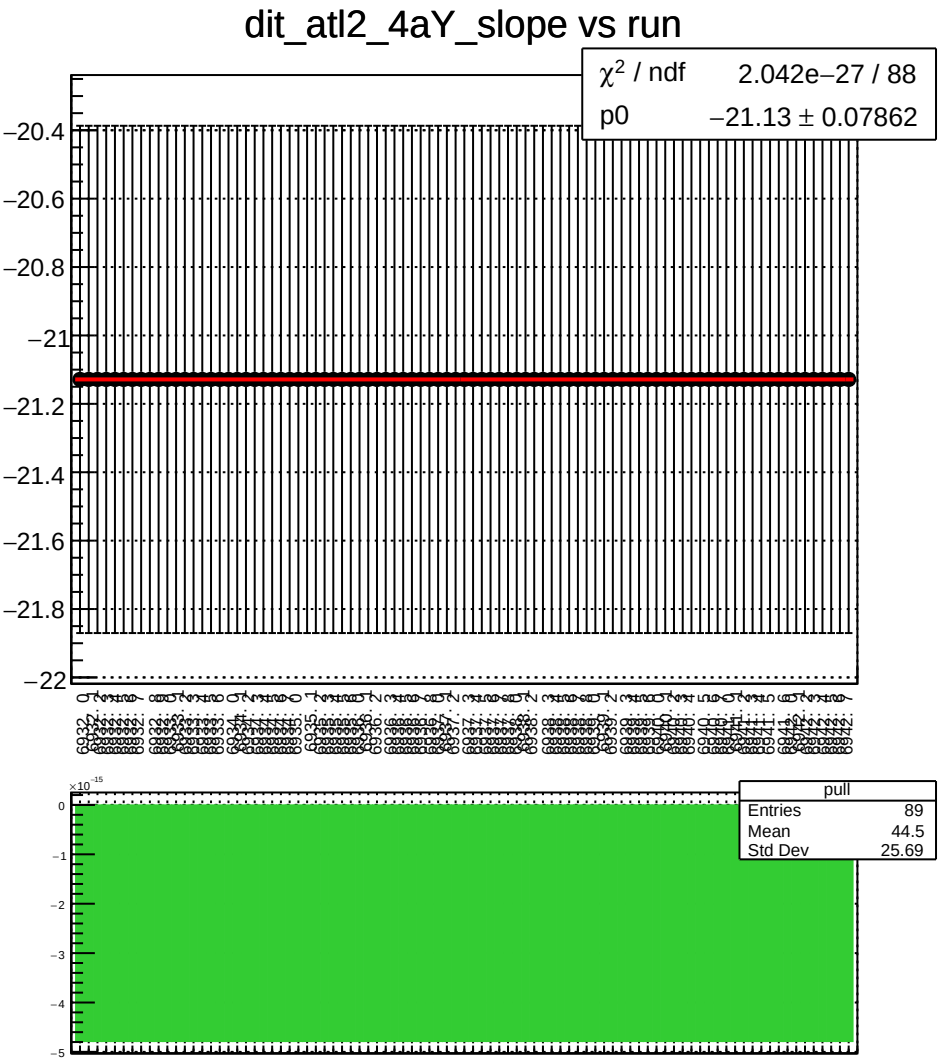

pull1D
Entries 89
Mean 8.836e−14
Std Dev 6.67e−21

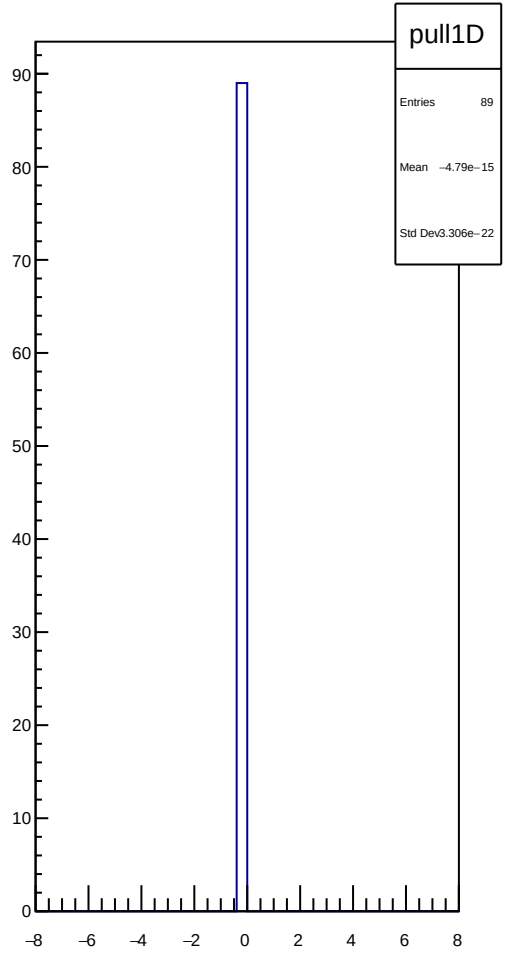

dit_atl2_4aX_slope vs run
χ^2 / ndf 5.963e−24 / 88
p0 −2172 ± 1.49
−2160
−2165
−2170
−2175
−2180
−2185
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 89
Mean 2.588e−13
Std Dev 5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

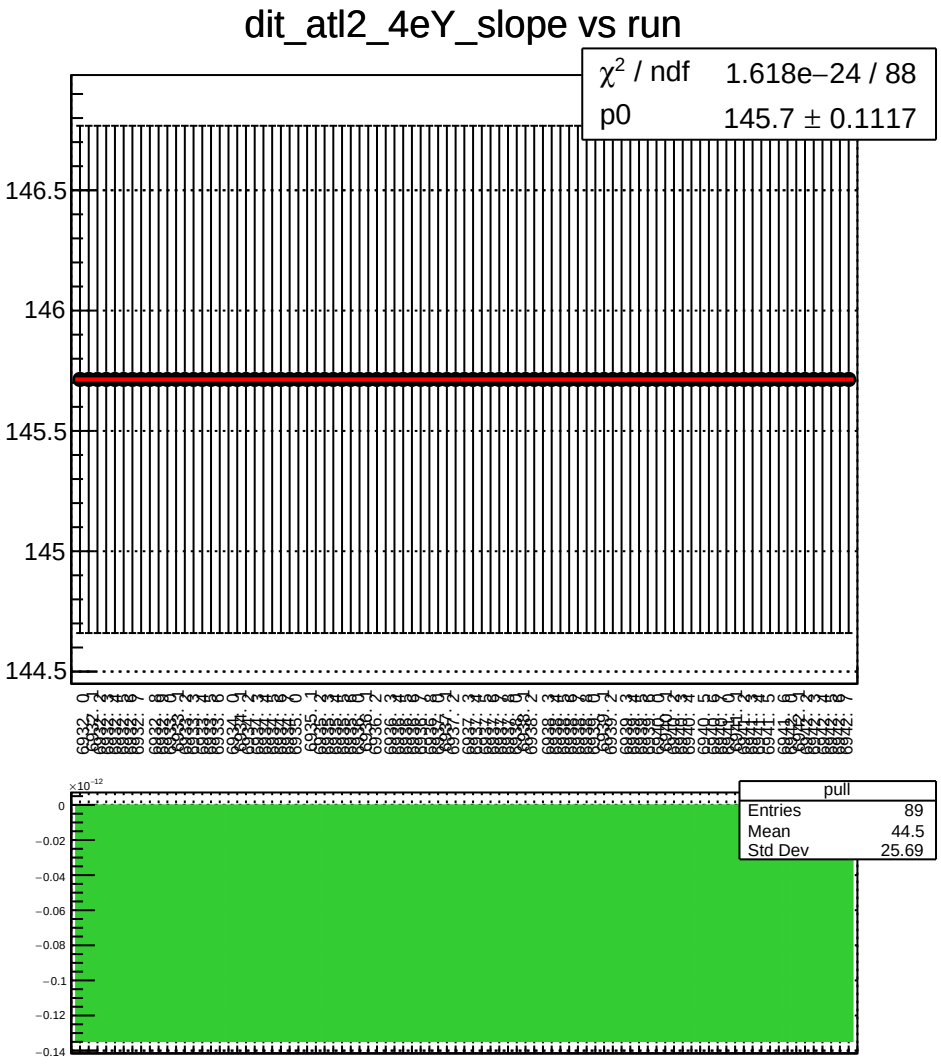

dit_atl2_4eX_slope vs run
χ^2 / ndf 3.796e−25 / 88
p0 2200 ± 1.476
2215
2210
2205
2200
2195
2190
2185
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
60
50
40
30
20
10
0

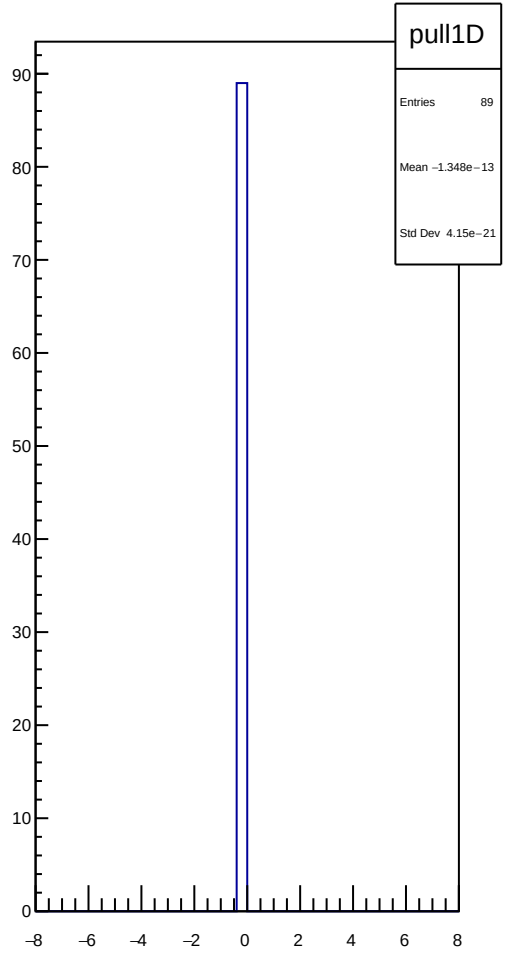

pull1D
Entries 89
Mean 6.531e−14
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

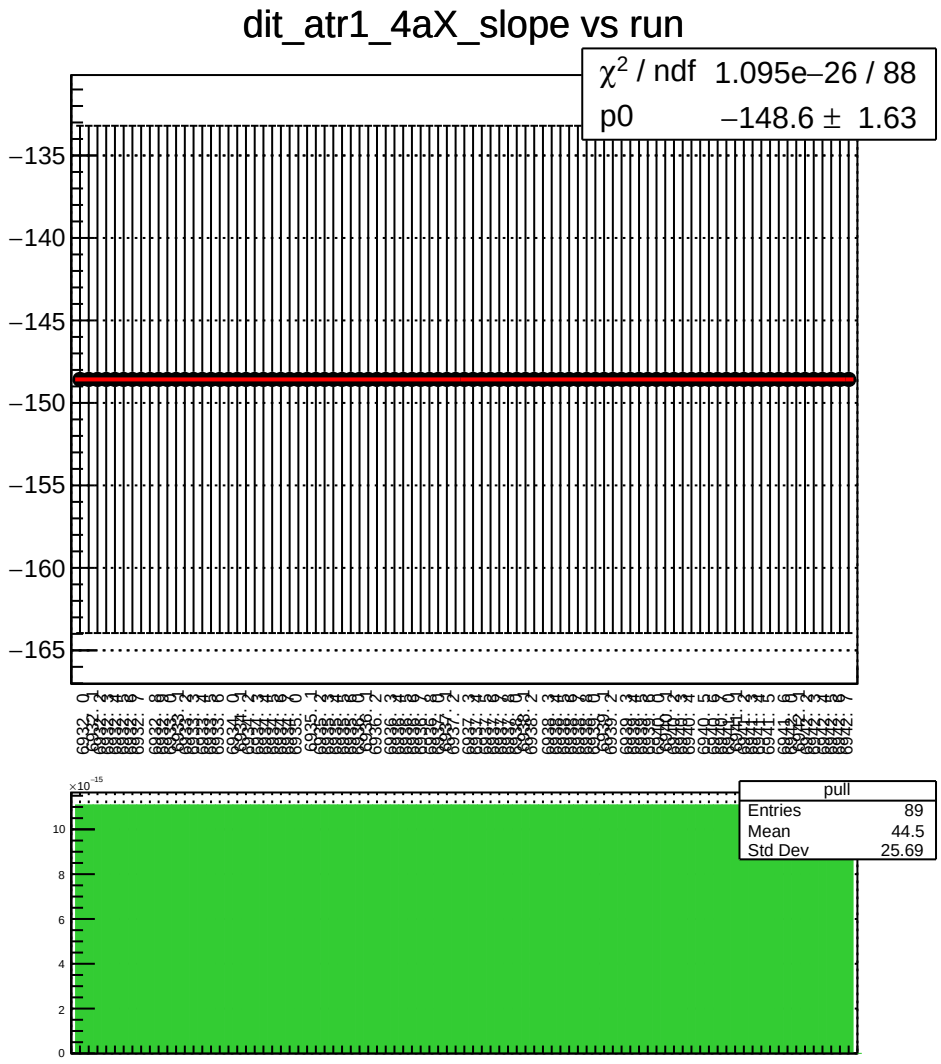

dit_atl2_11X12X_slope vs run
χ^2 / ndf 1.38e−23 / 88
p0 −298.4 ± 0.0612
−297.8
−298
−298.2
−298.4
−298.6
−298.8
−299
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 89
Mean −3.938e−13
Std Dev 1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

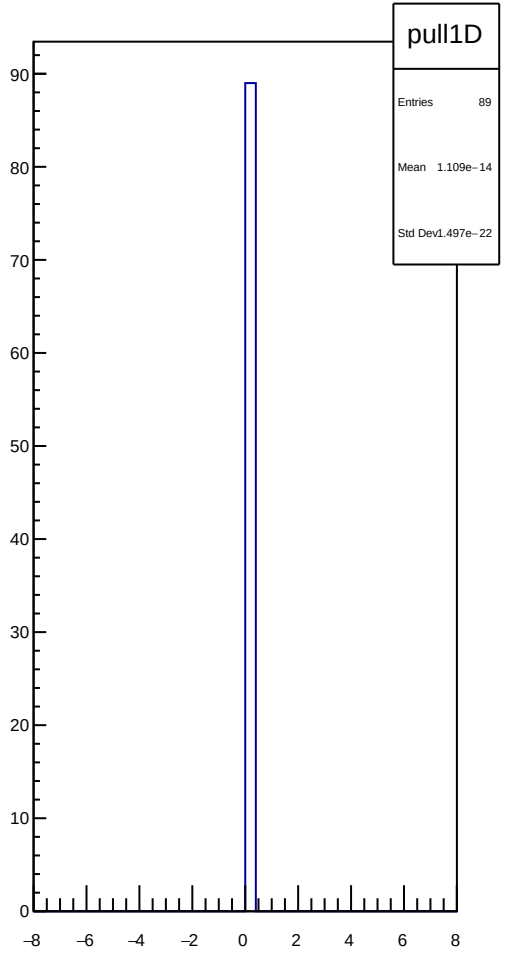

dit_atl2_4aY_slope vs run
χ² / ndf 2.042e−27 / 88
p0 −21.13 ± 0.07862
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
−21.8
−22
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5

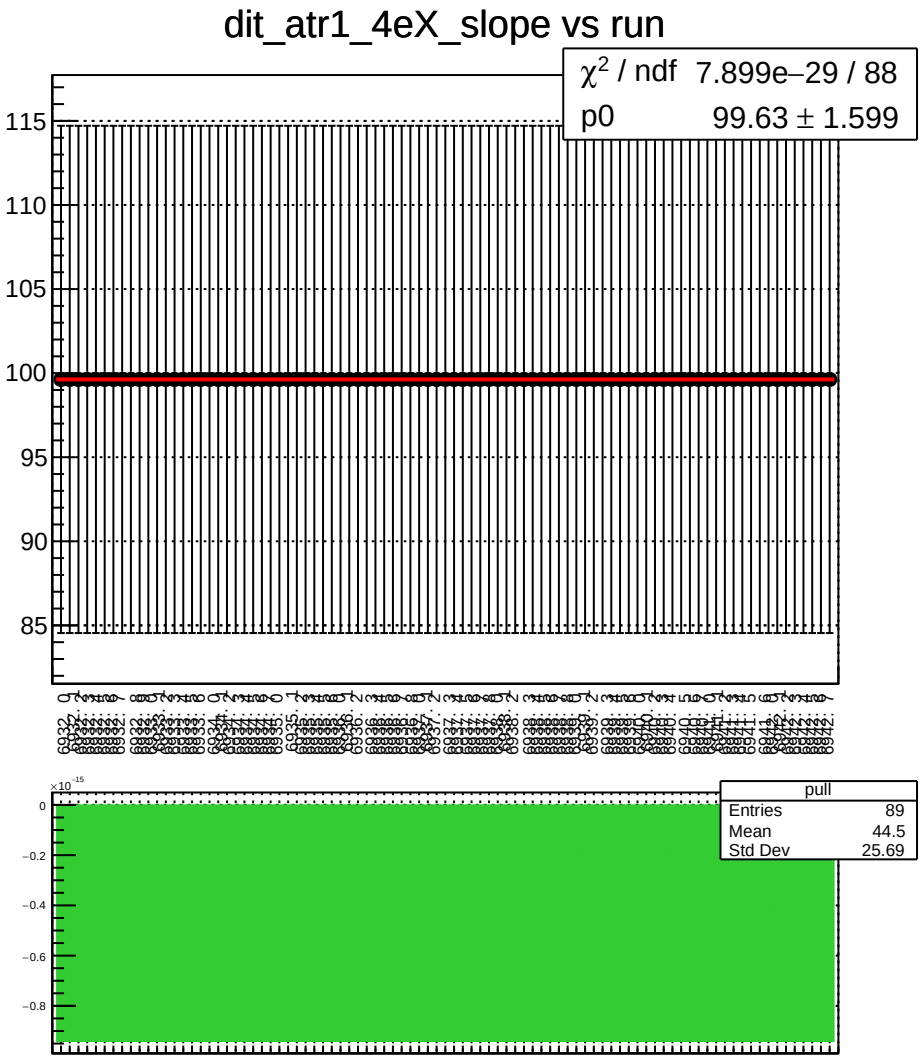

pull1D
Entries 89
Mean −4.79e−15
Std Dev 3.306e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

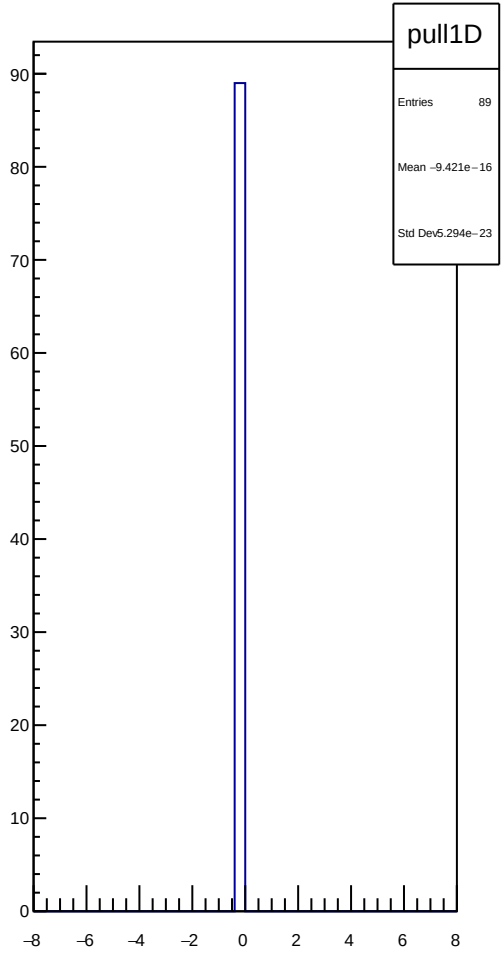

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.618e−24 / 88
p0 145.7 ± 0.1117
146.5
146
145.5
145
144.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

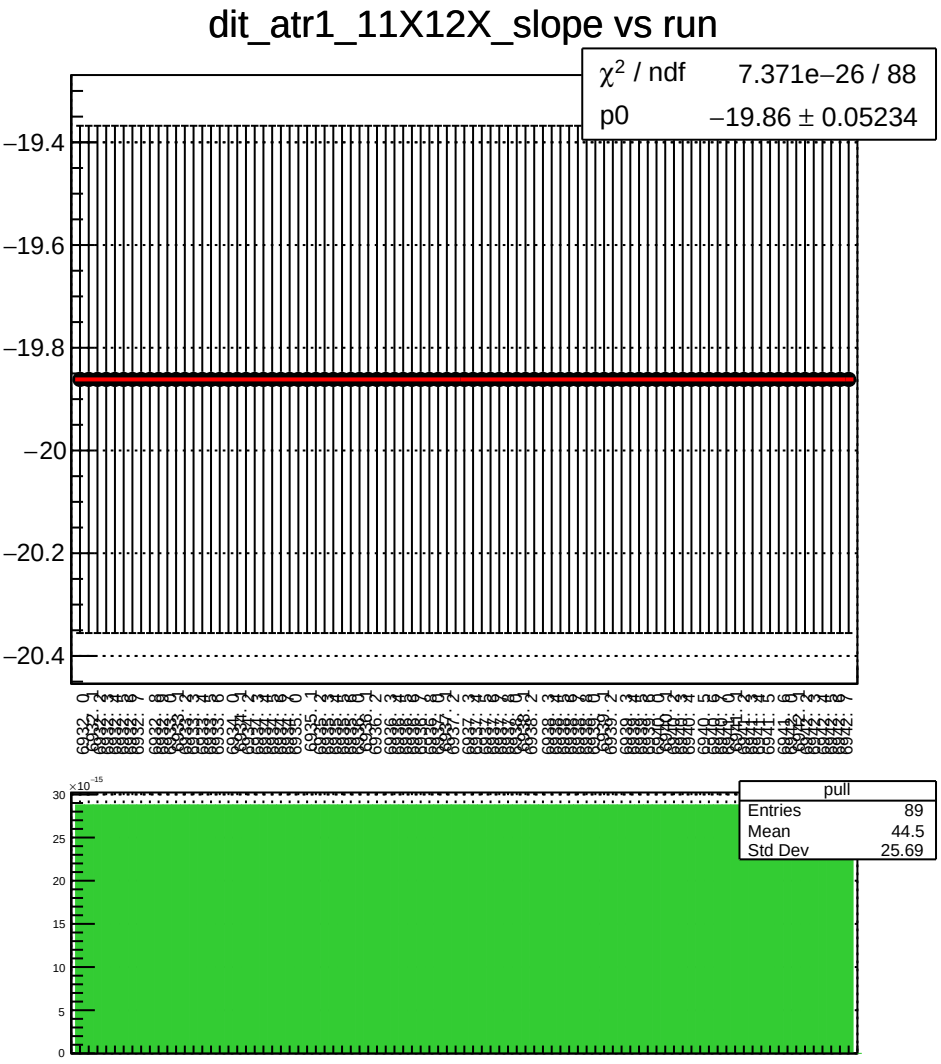

pull1D
Entries 89
Mean −1.348e−13
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

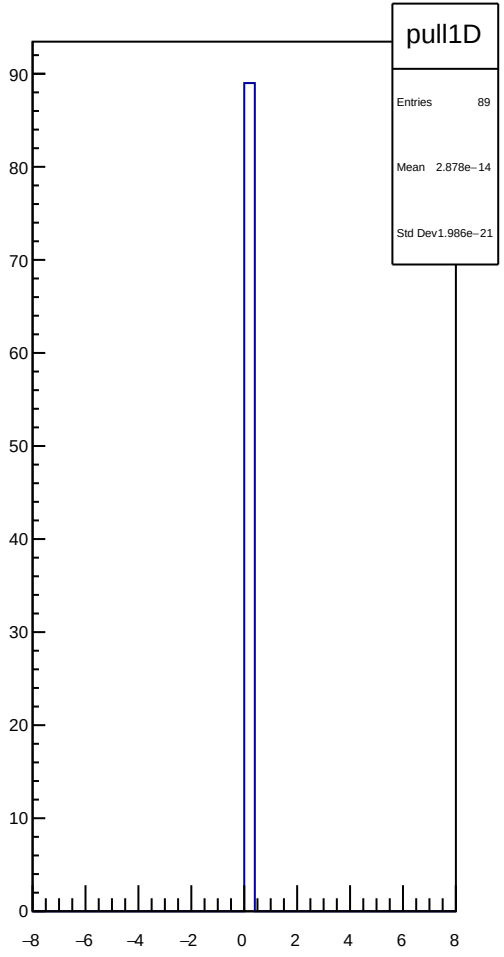

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.095e−26 / 88
p0 −148.6 ± 1.63
−135
−140
−145
−150
−155
−160
−165
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
10
8
6
4
2
0

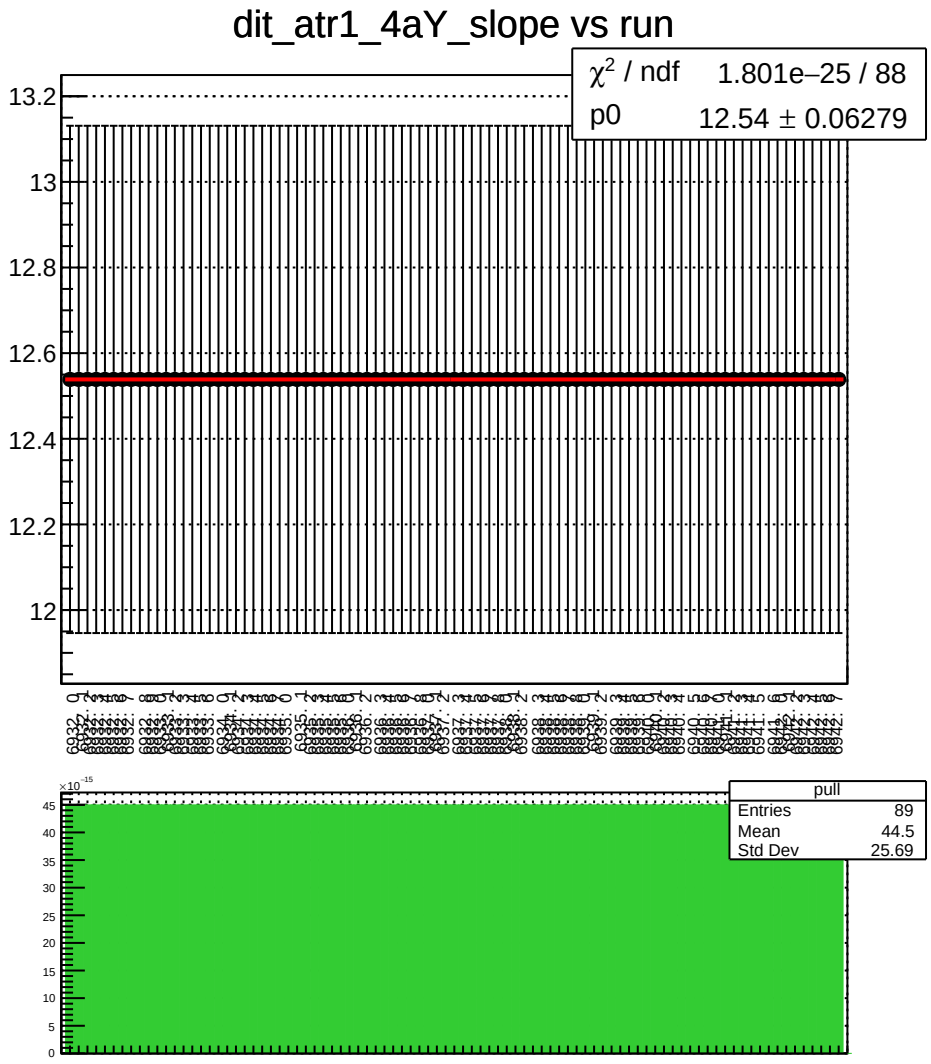

pull1D
Entries 89
Mean 1.109e−14
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

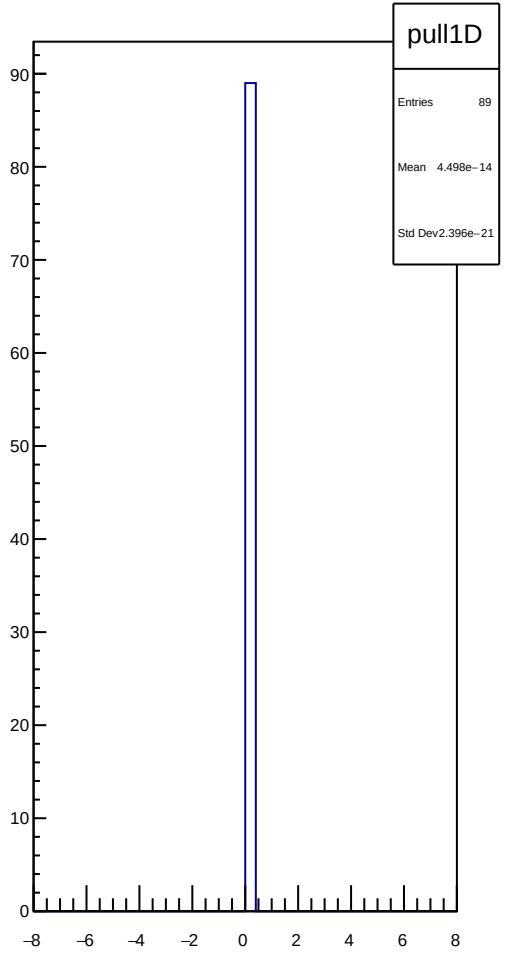

dit_atr1_4eX_slope vs run
χ^2 / ndf 7.899e−29 / 88
p0 99.63 ± 1.599
115
110
105
100
95
90
85
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−0.2
−0.4
−0.6
−0.8

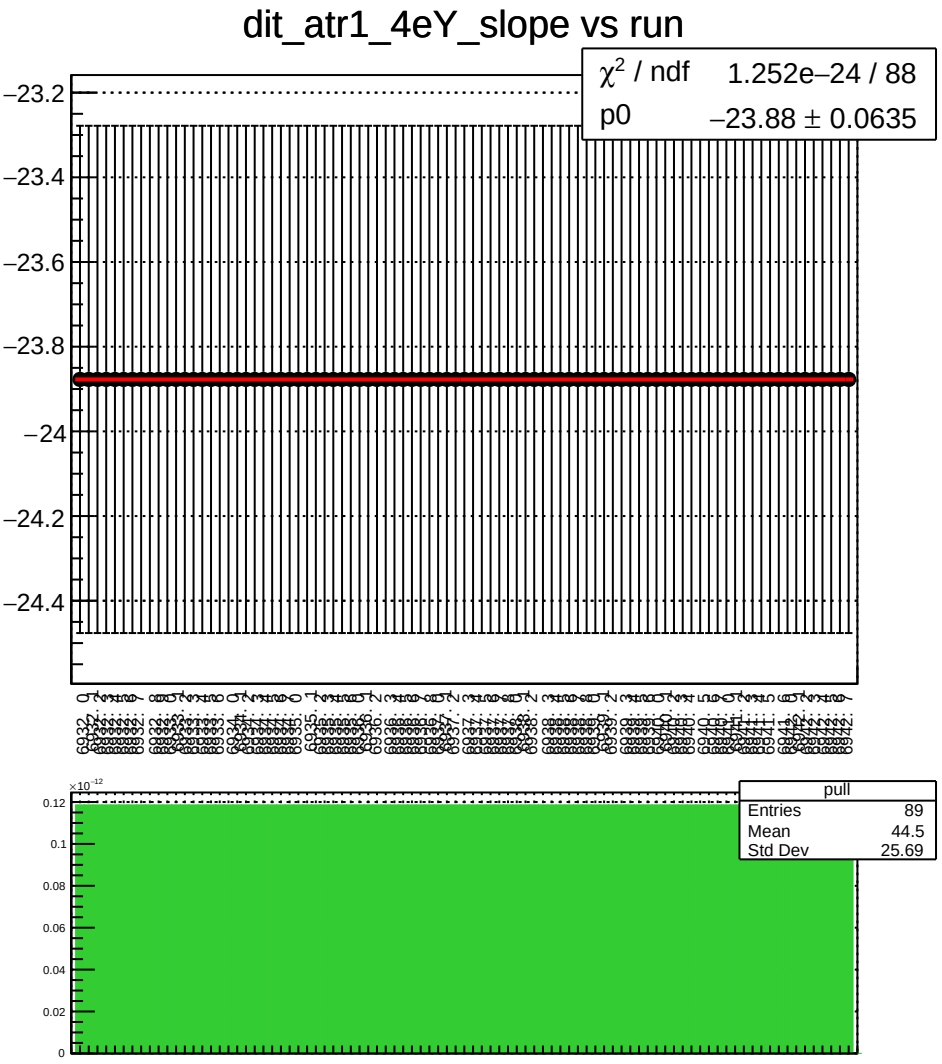

pull1D
Entries 89
Mean −9.421e−16
Std Dev 5.294e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

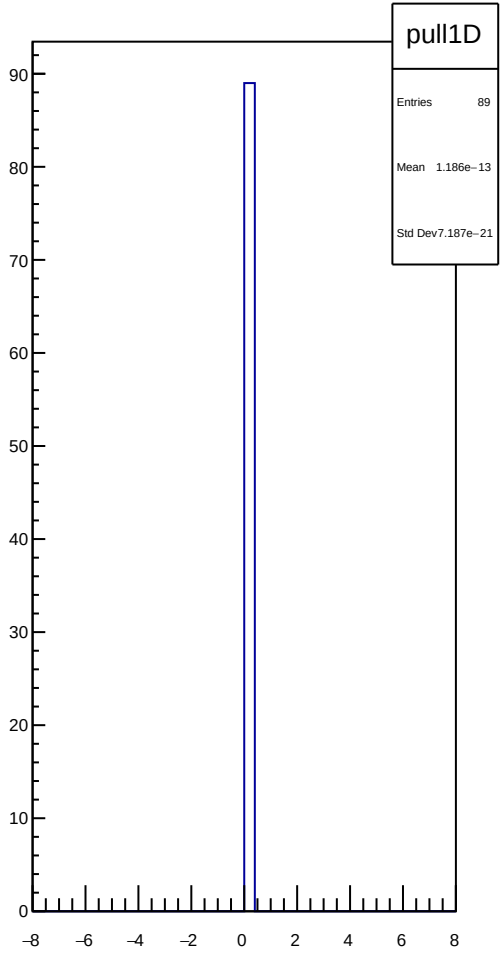

dit_atr1_11X12X_slope vs run
χ^2 / ndf 7.371e−26 / 88
p0 −19.86 ± 0.05234
−19.4
−19.6
−19.8
−20
−20.2
−20.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
30
25
20
15
10
5
0

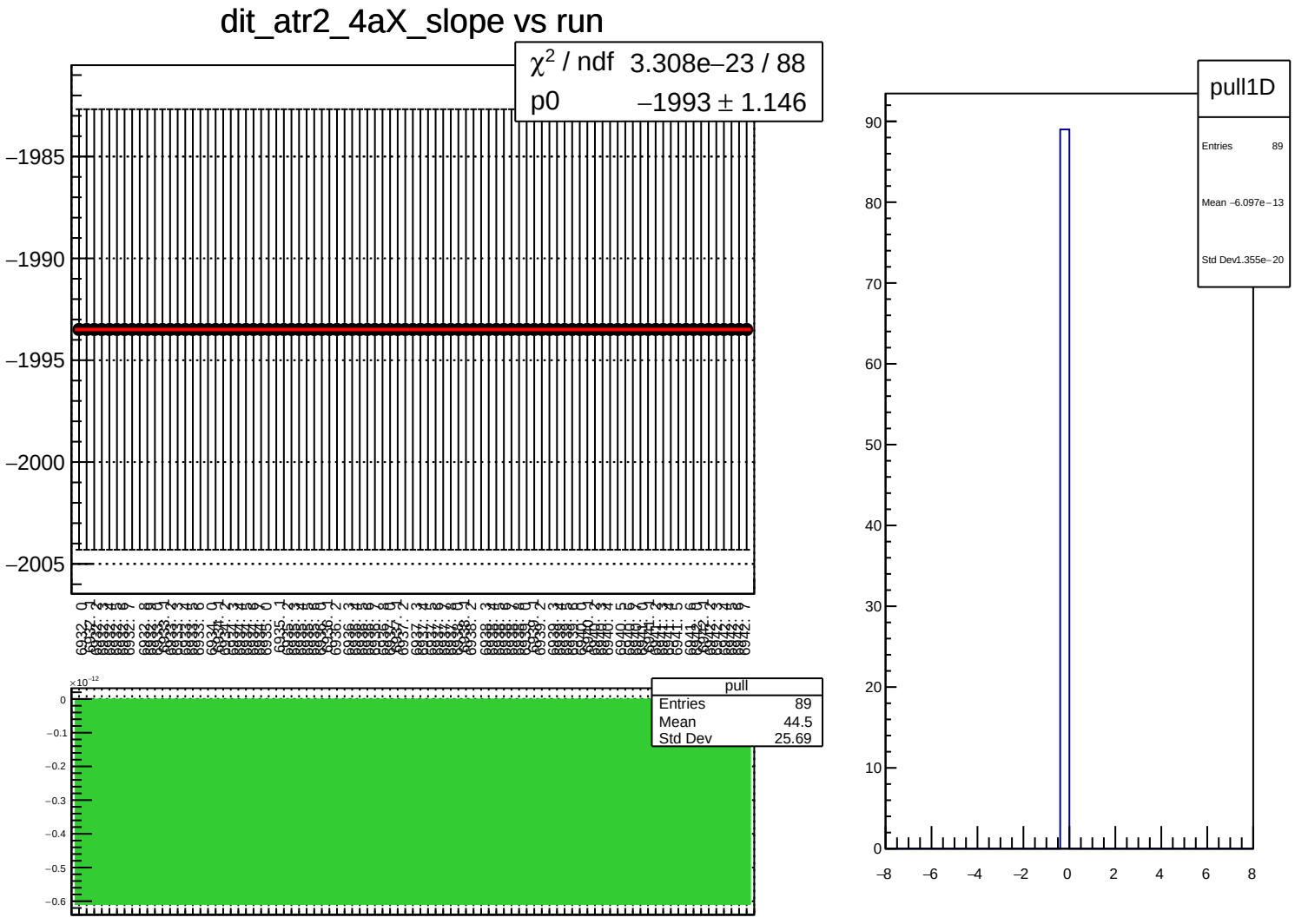

pull1D
Entries 89
Mean 2.878e−14
Std Dev 1.986e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

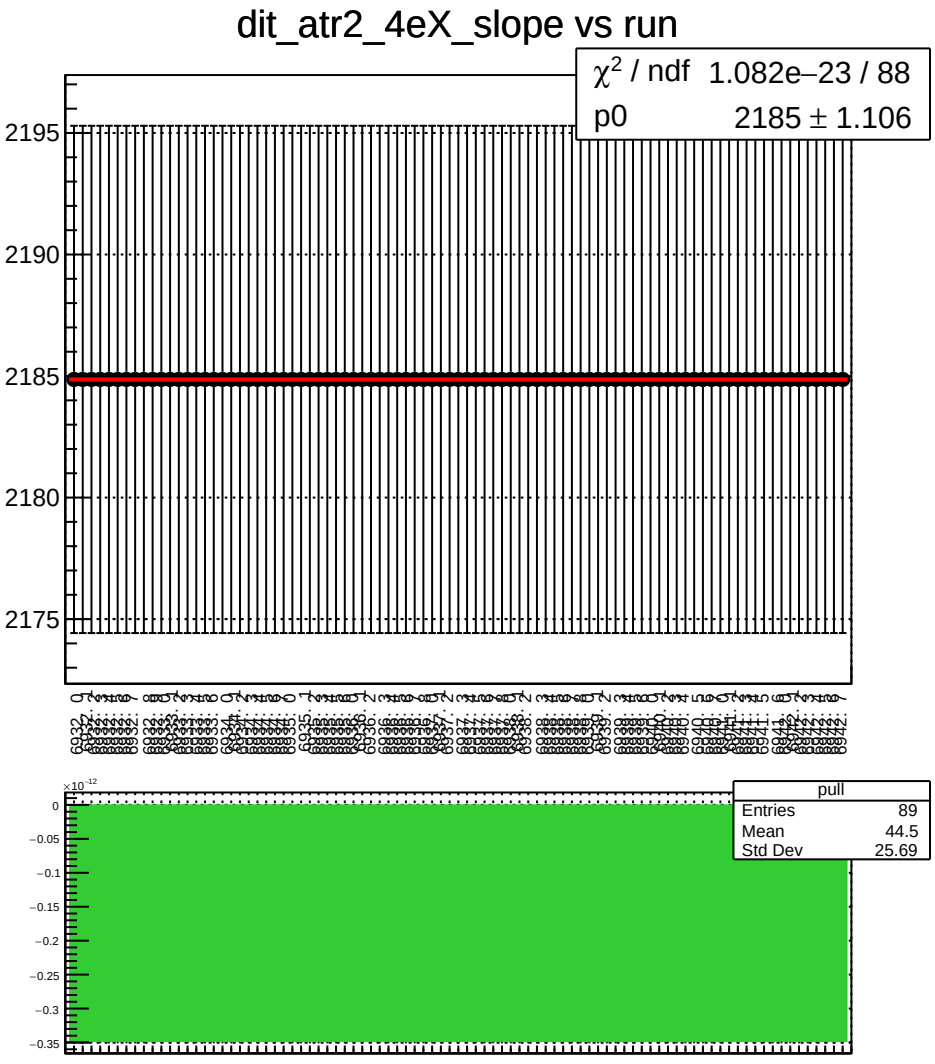

dit_atr1_4aY_slope vs run
χ^2 / ndf 1.801e−25 / 88
p0 12.54 ± 0.06279
13.2
13
12.8
12.6
12.4
12.2
12
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-15
45
40
35
30
25
20
15
10
5
0

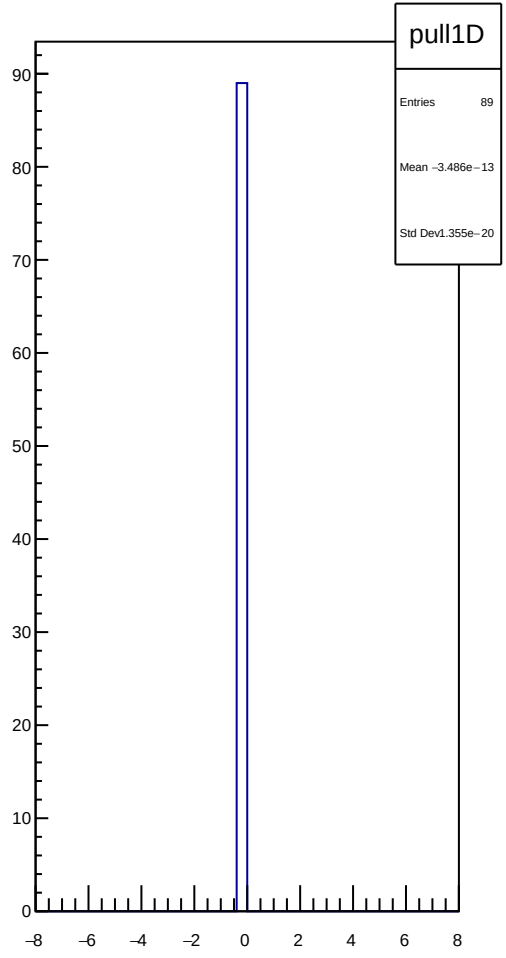

pull1D
Entries 89
Mean 4.498e−14
Std Dev 2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

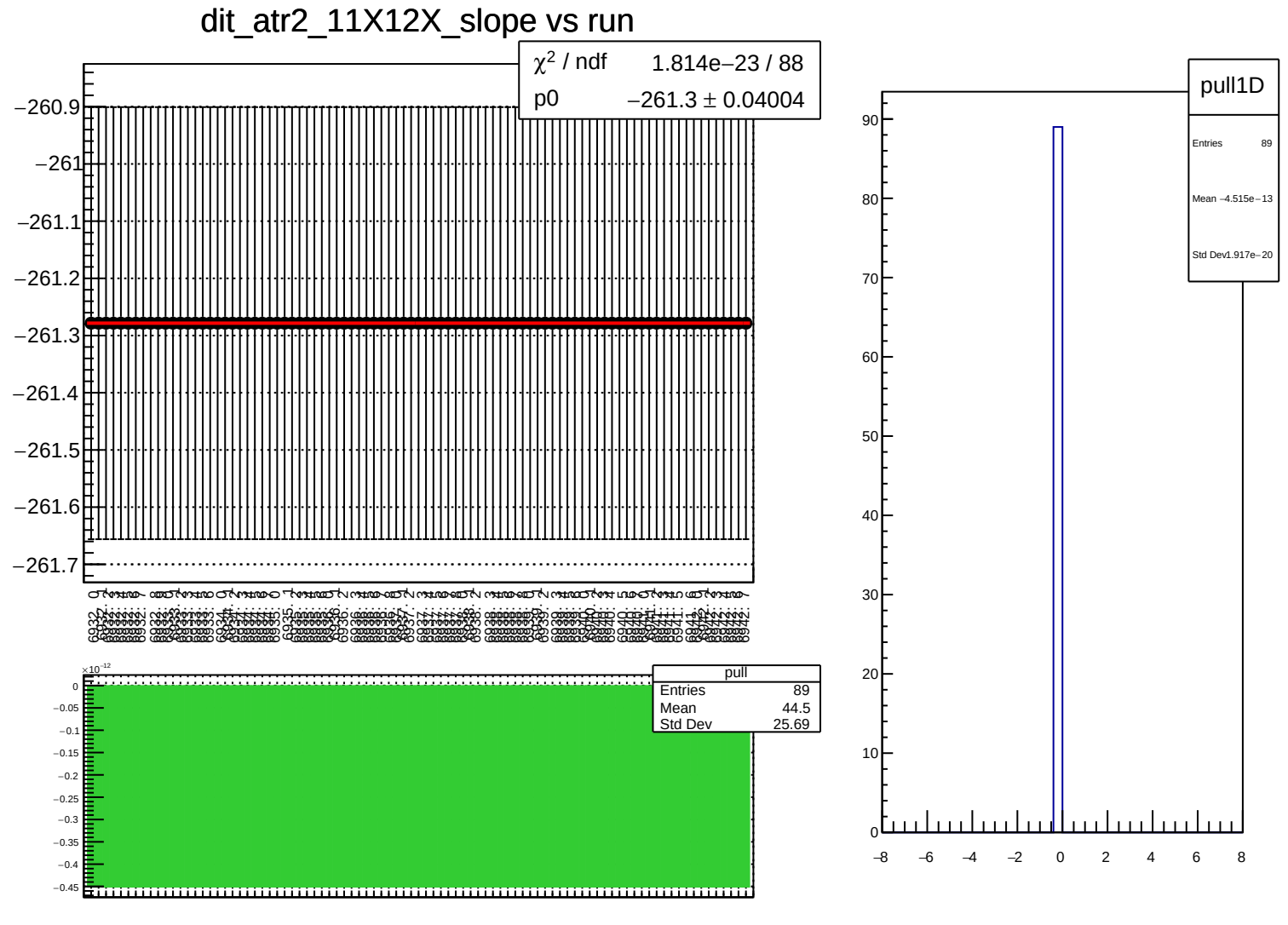

dit_atr1_4eY_slope vs run
χ^2 / ndf 1.252e−24 / 88
p0 −23.88 ± 0.0635
−23.2
−23.4
−23.6
−23.8
−24
−24.2
−24.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0.12
0.1
0.08
0.06
0.04
0.02
0

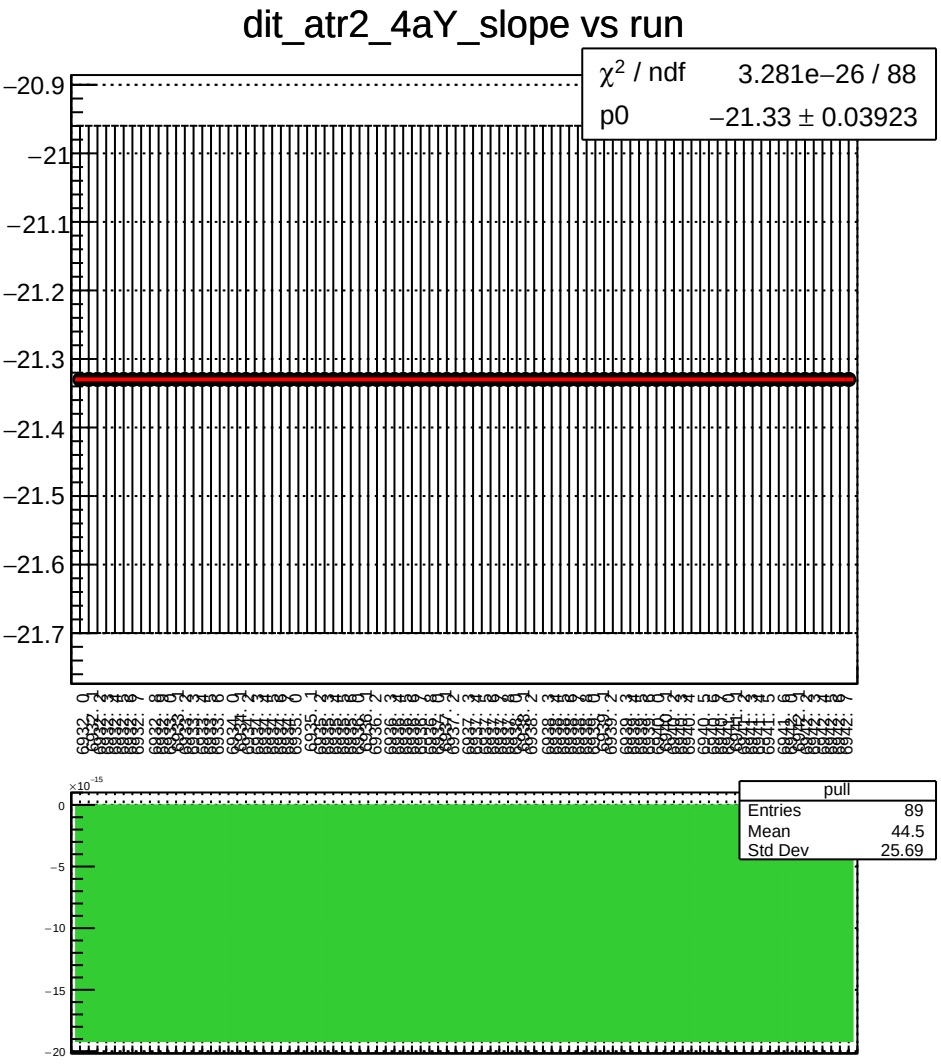

pull1D
Entries 89
Mean 1.186e−13
Std Dev 7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

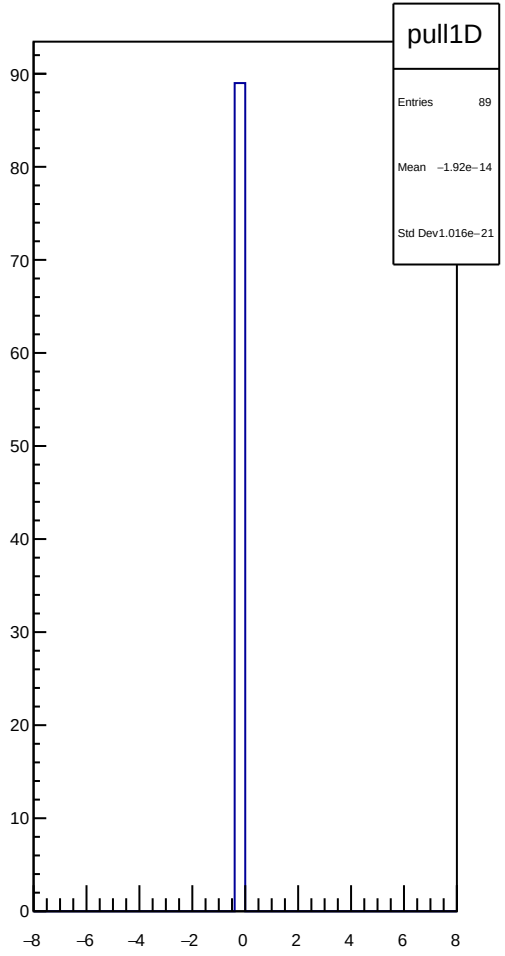

dit_atr2_4aX_slope vs run
χ^2 / ndf 3.308e−23 / 88
p0 −1993 ± 1.146
−1985
−1990
−1995
−2000
−2005
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 89
Mean −6.097e−13
Std Dev1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

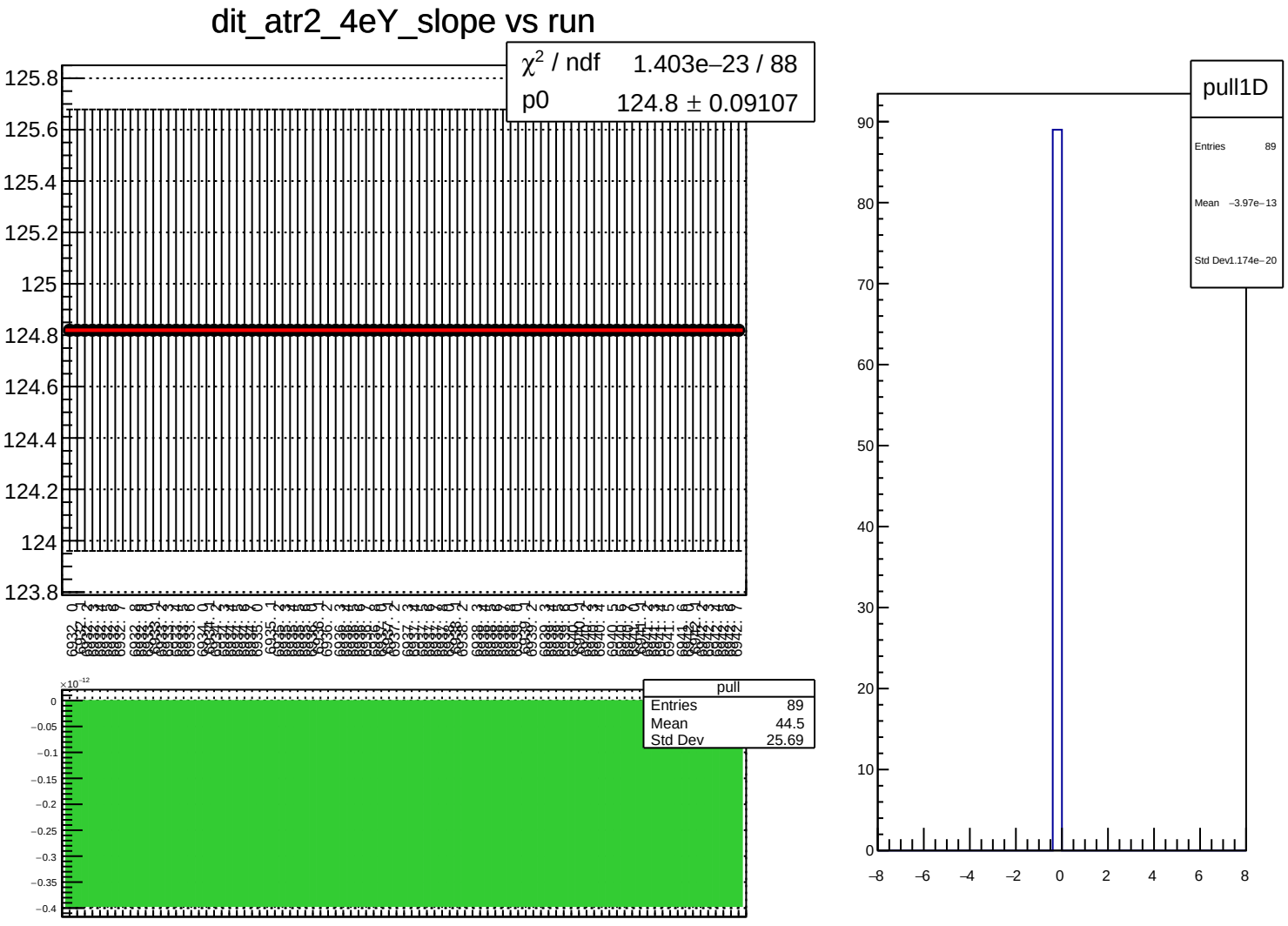

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.082e−23 / 88
p0 2185 ± 1.106
2195
2190
2185
2180
2175
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

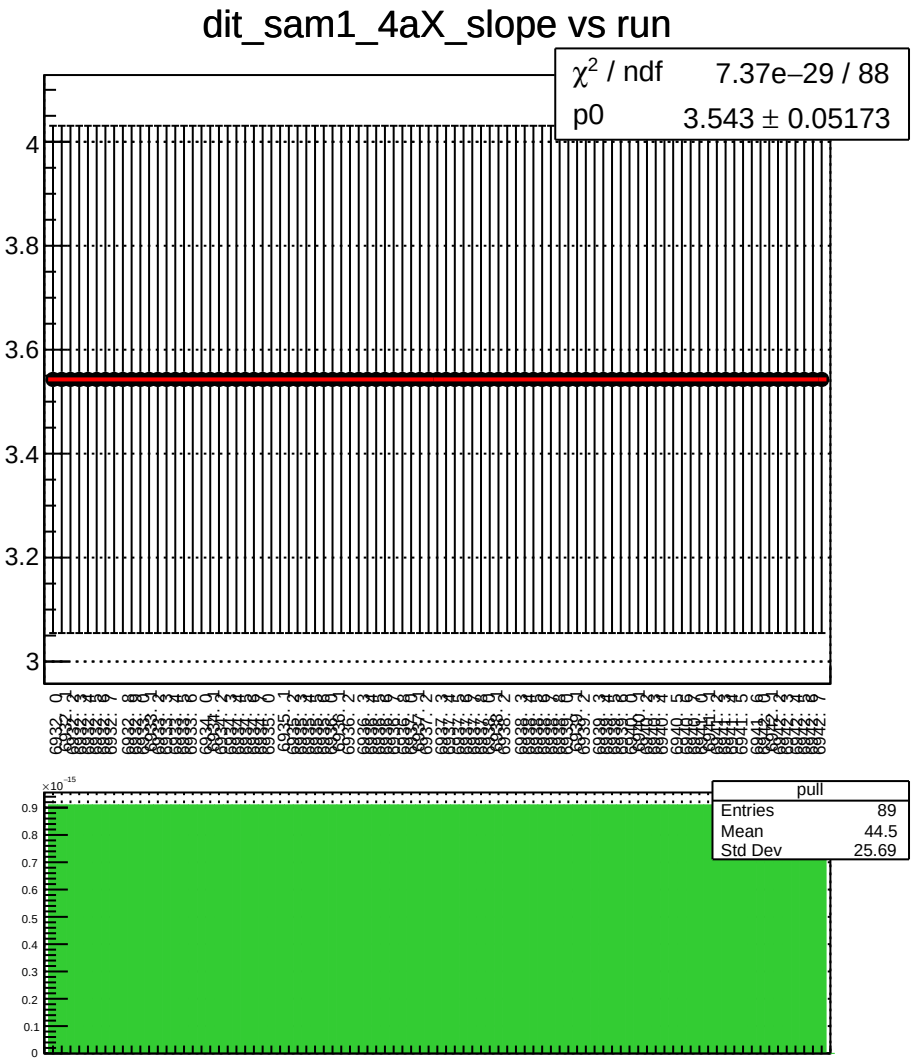

pull1D
Entries 89
Mean −3.486e−13
Std Dev 1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

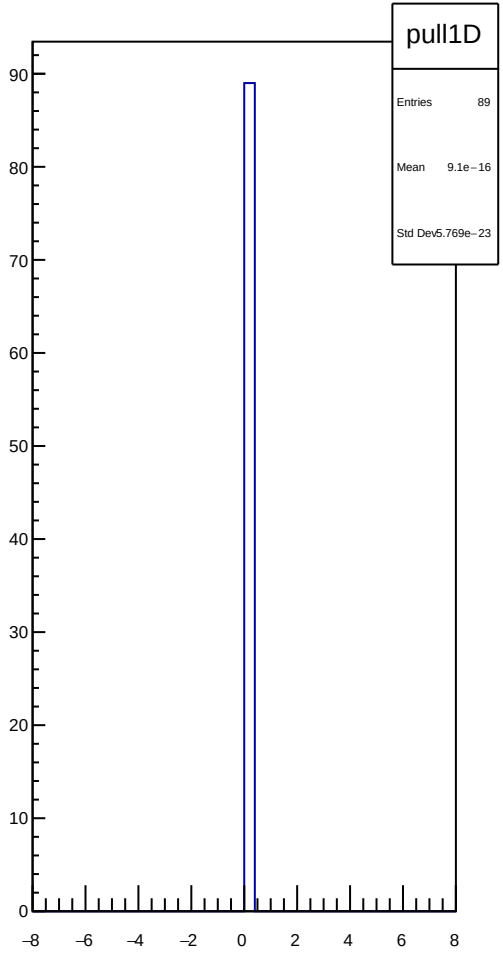

dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.814e−23 / 88
p0 −261.3 ± 0.04004
−260.9
−261
−261.1
−261.2
−261.3
−261.4
−261.5
−261.6
−261.7
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull1D
Entries 89
Mean −4.515e−13
Std Dev 1.917e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

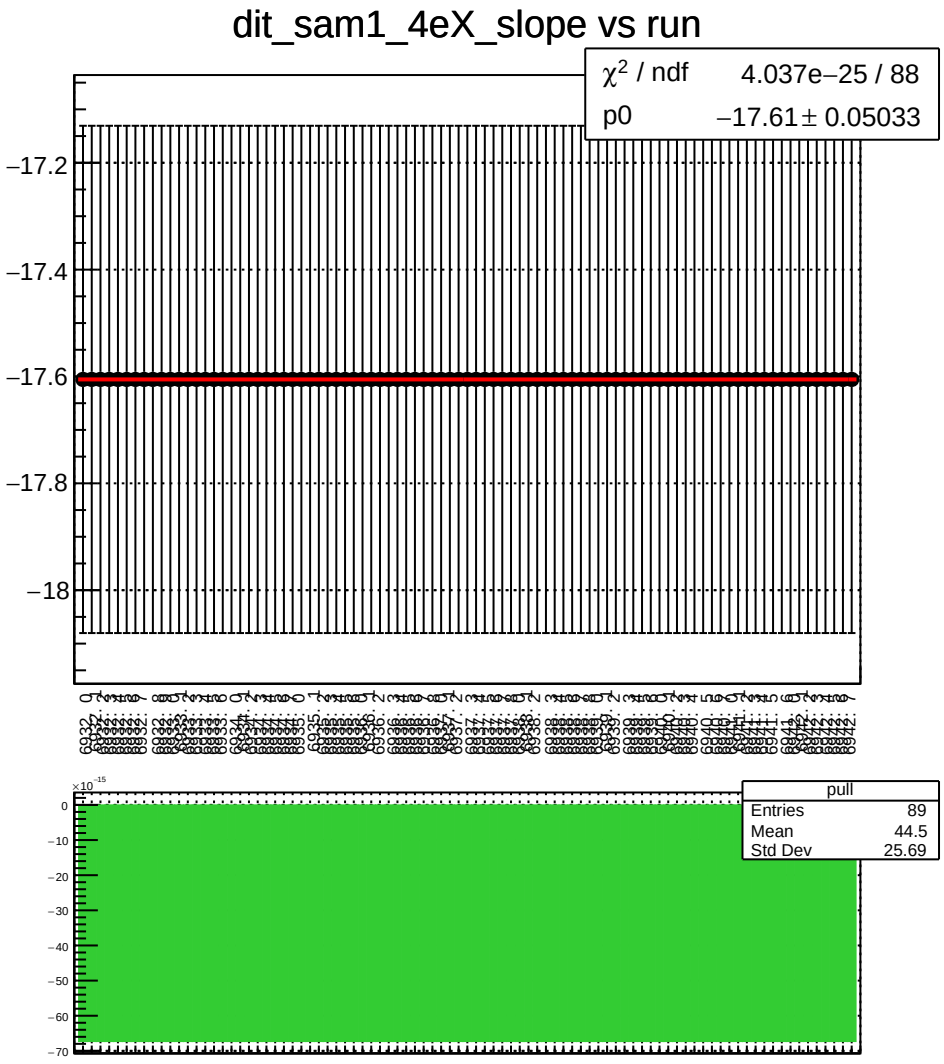

dit_atr2_4aY_slope vs run
χ^2 / ndf 3.281e−26 / 88
p0 −21.33 ± 0.03923
−20.9
−21
−21.1
−21.2
−21.3
−21.4
−21.5
−21.6
−21.7
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−5
−10
−15
−20

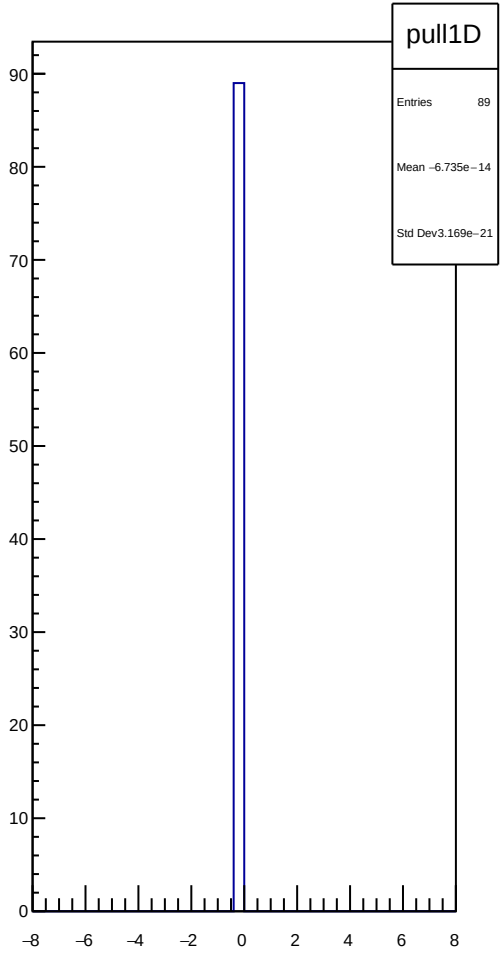

pull1D
Entries 89
Mean −1.92e−14
Std Dev 1.016e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

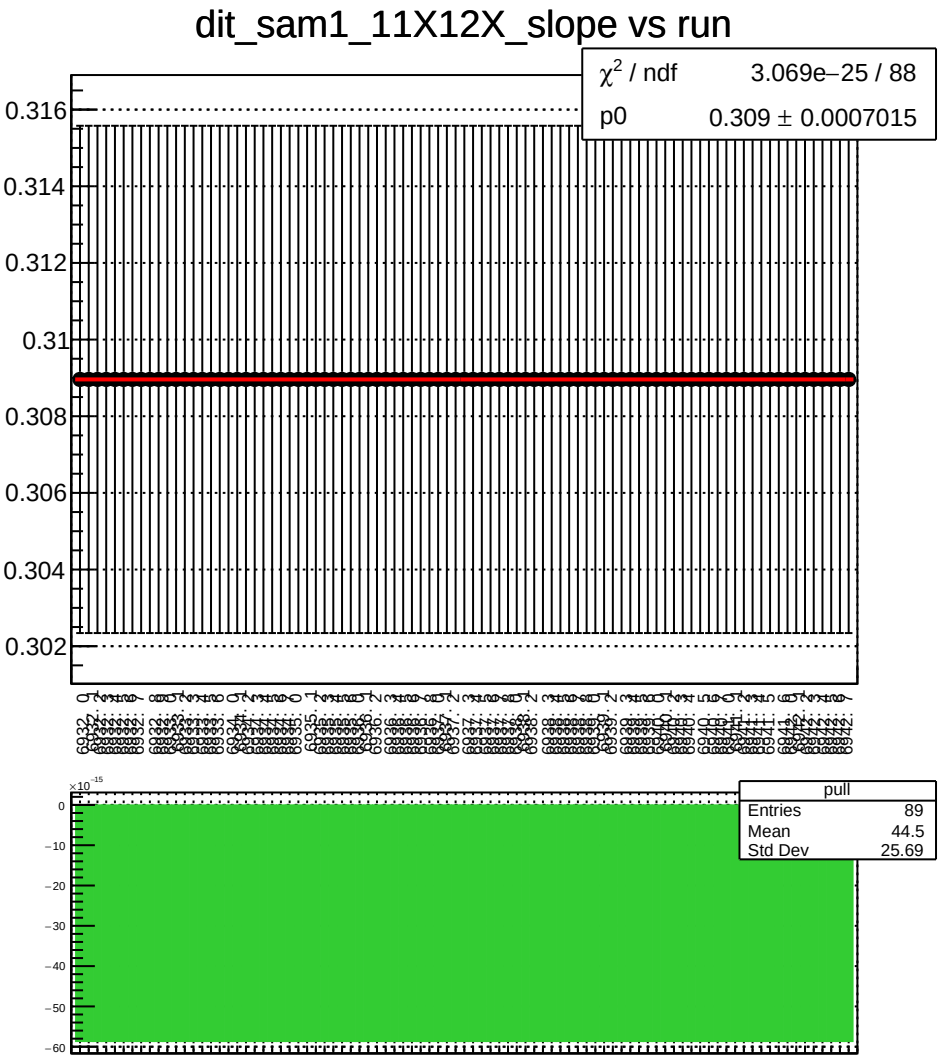

dit_atr2_4eY_slope vs run
χ² / ndf 1.403e−23 / 88
p0 124.8 ± 0.09107
125.8
125.6
125.4
125.2
125
124.8
124.6
124.4
124.2
124
123.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 89
Mean −3.97e−13
Std Dev 1.174e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

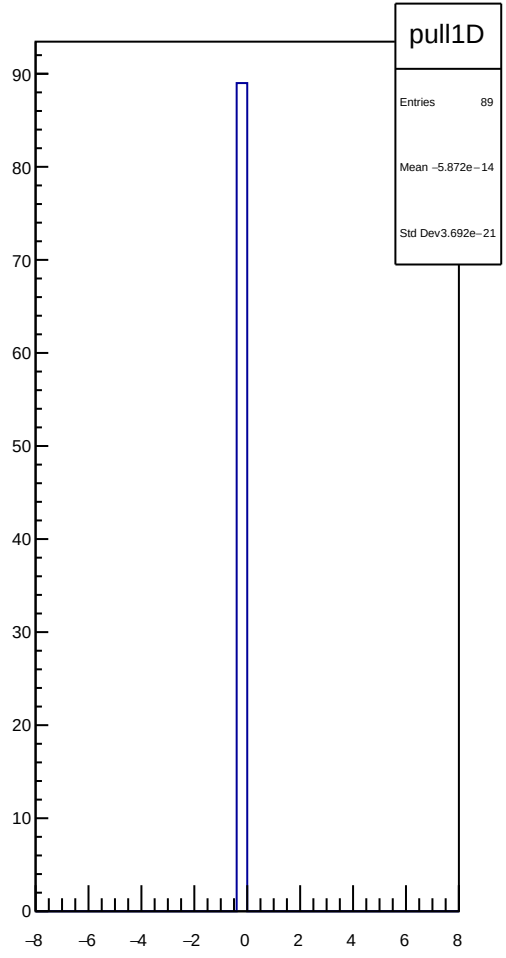

dit_sam1_4aX_slope vs run
χ^2 / ndf 7.37e−29 / 88
p0 3.543 ± 0.05173
pull
Entries 89
Mean 44.5
Std Dev 25.69

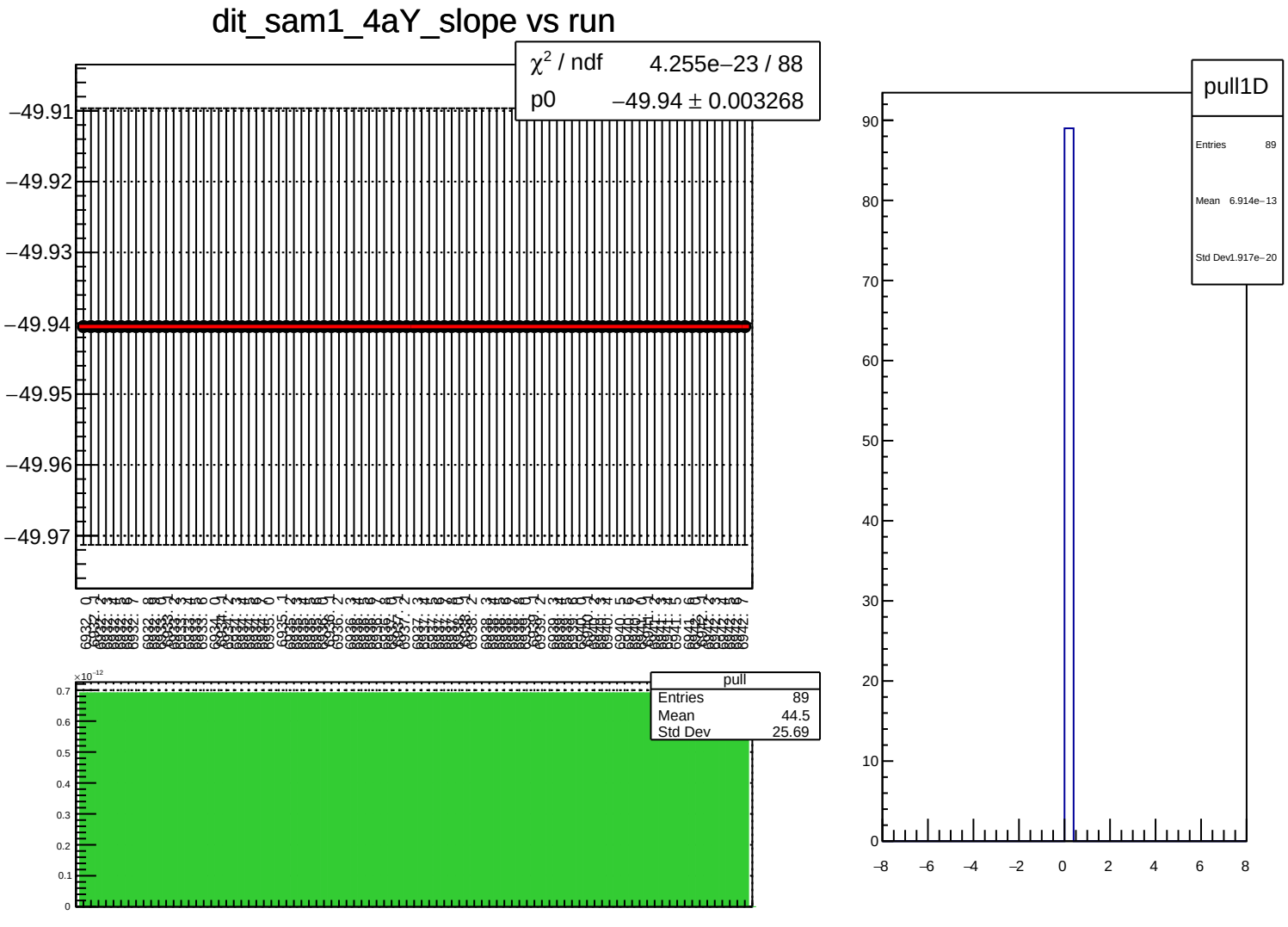

pull1D
Entries 89
Mean 9.1e−16
Std Dev 5.769e−23


dit_sam1_4eX_slope vs run
χ^2 / ndf 4.037e−25 / 88
p0 −17.61 ± 0.05033
−17.2
−17.4
−17.6
−17.8
−18
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

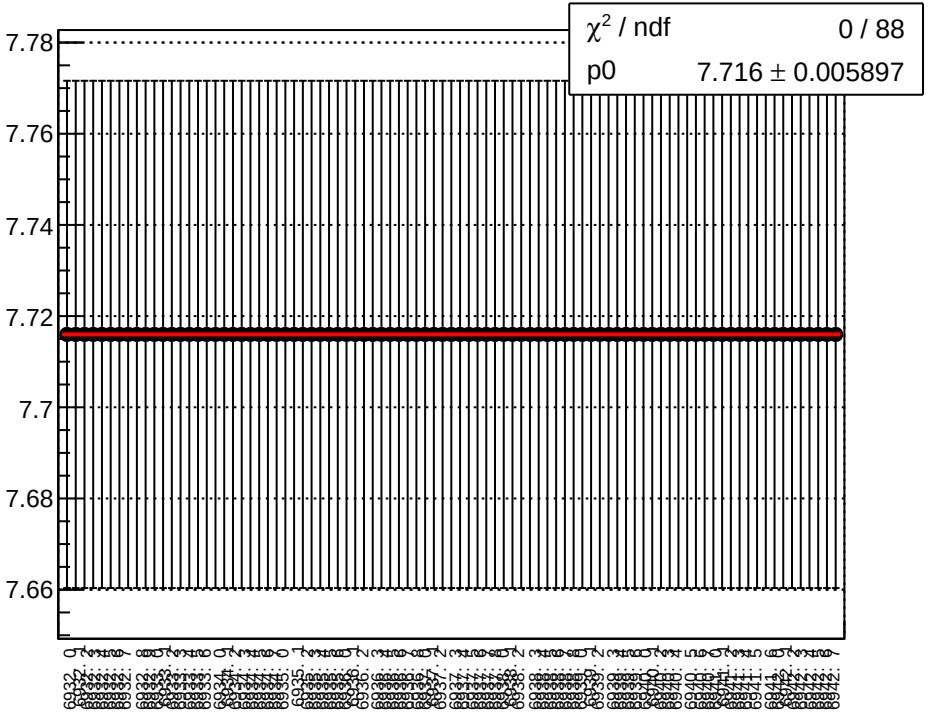

pull1D
Entries 89
Mean −6.735e−14
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

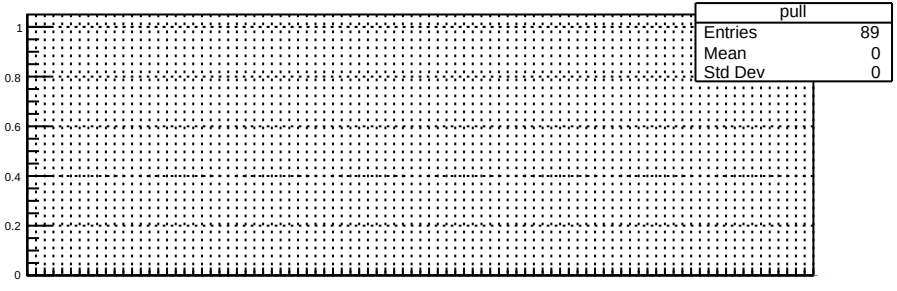

dit_sam1_11X12X_slope vs run
χ^2 / ndf 3.069e−25 / 88
p0 0.309 ± 0.0007015
0.316
0.314
0.312
0.31
0.308
0.306
0.304
0.302
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−10
−20
−30
−40
−50
−60

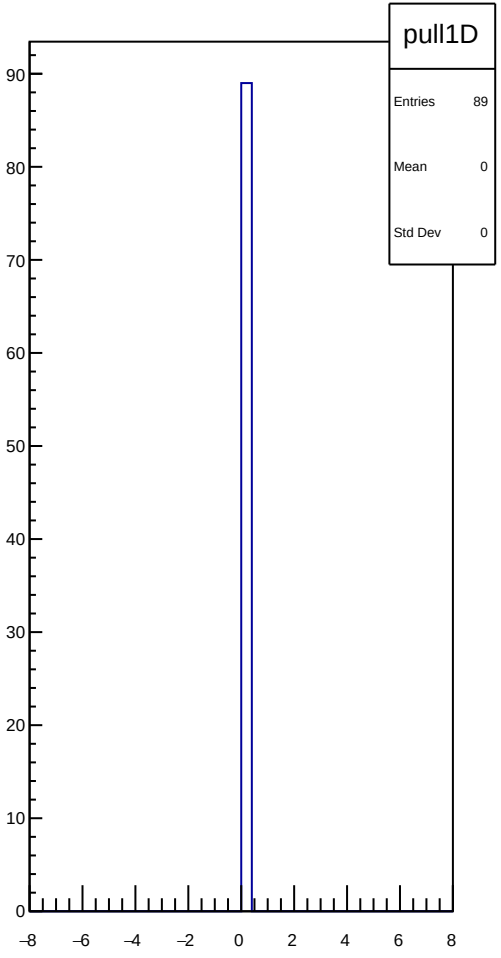

pull1D
Entries 89
Mean −5.872e−14
Std Dev3.692e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

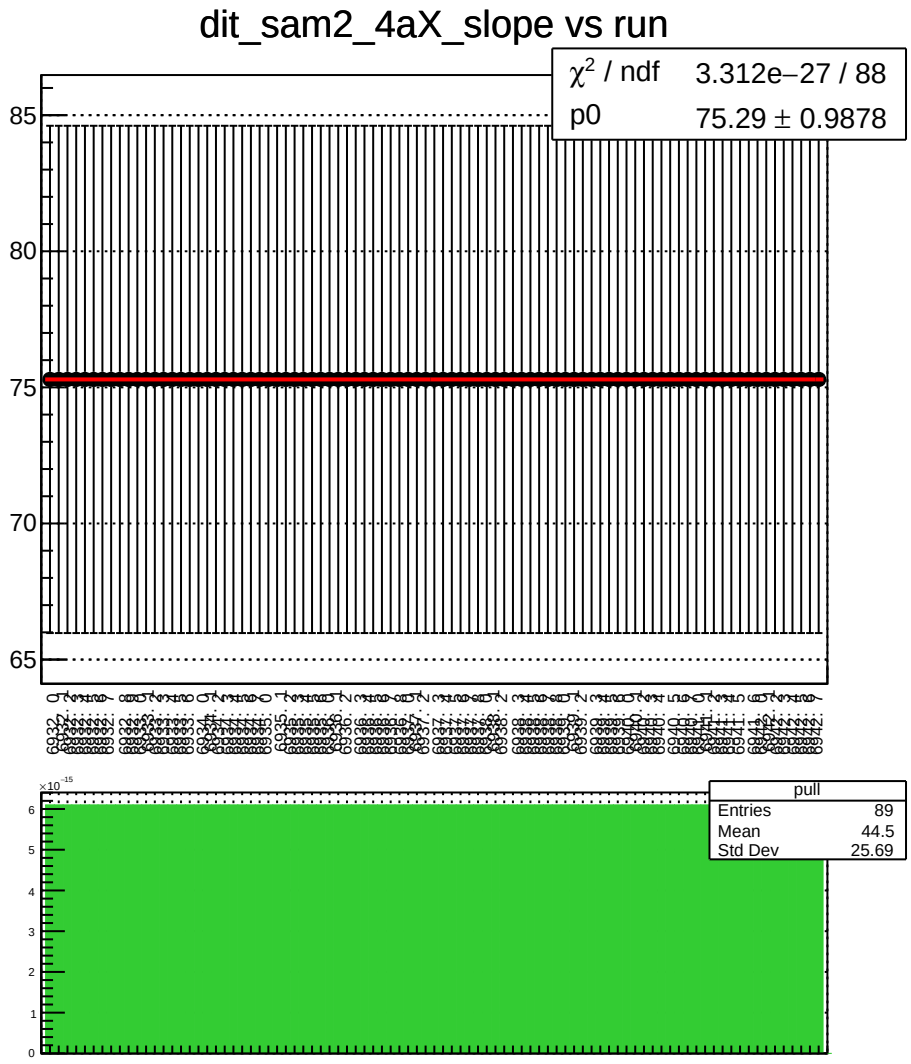

dit_sam1_4aY_slope vs run
χ² / ndf 4.255e−23 / 88
p0 −49.94 ± 0.003268
−49.91
−49.92
−49.93
−49.94
−49.95
−49.96
−49.97
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 89
Mean 6.914e−13
Std Dev 1.917e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

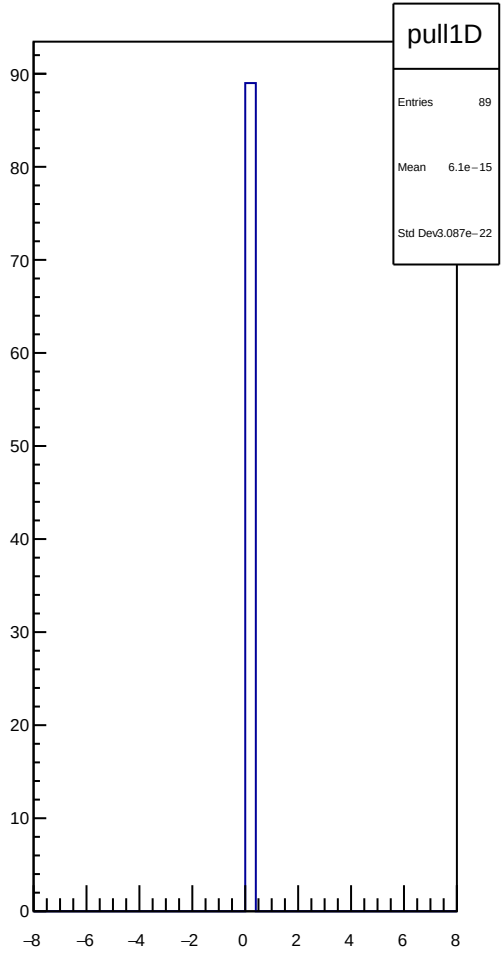
dit_sam1_4eY_slope vs run

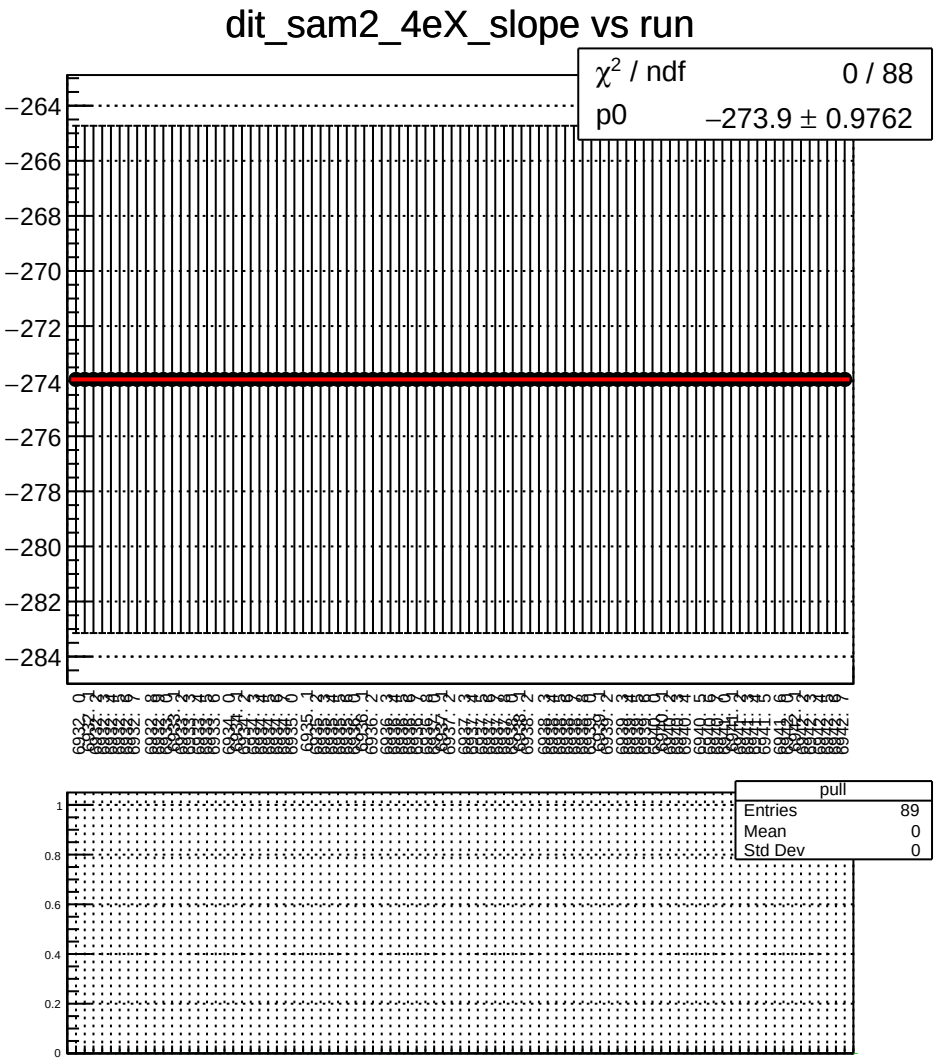


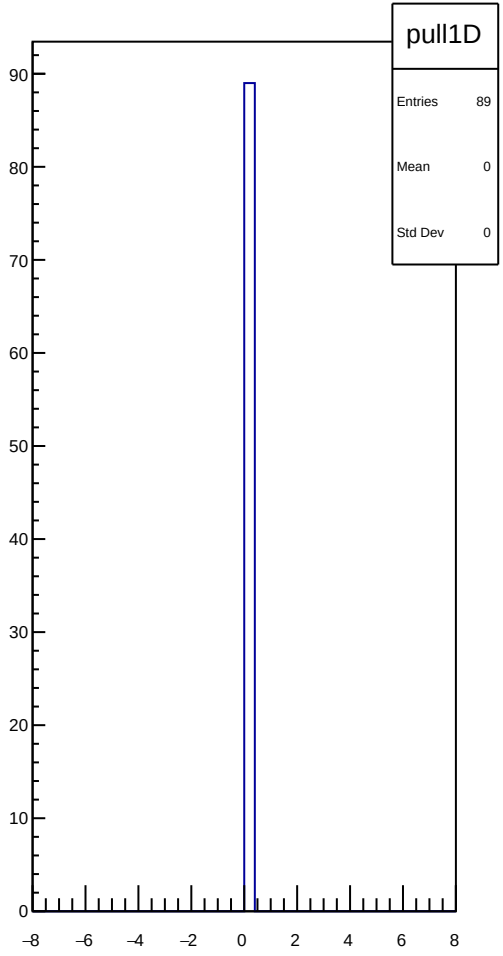


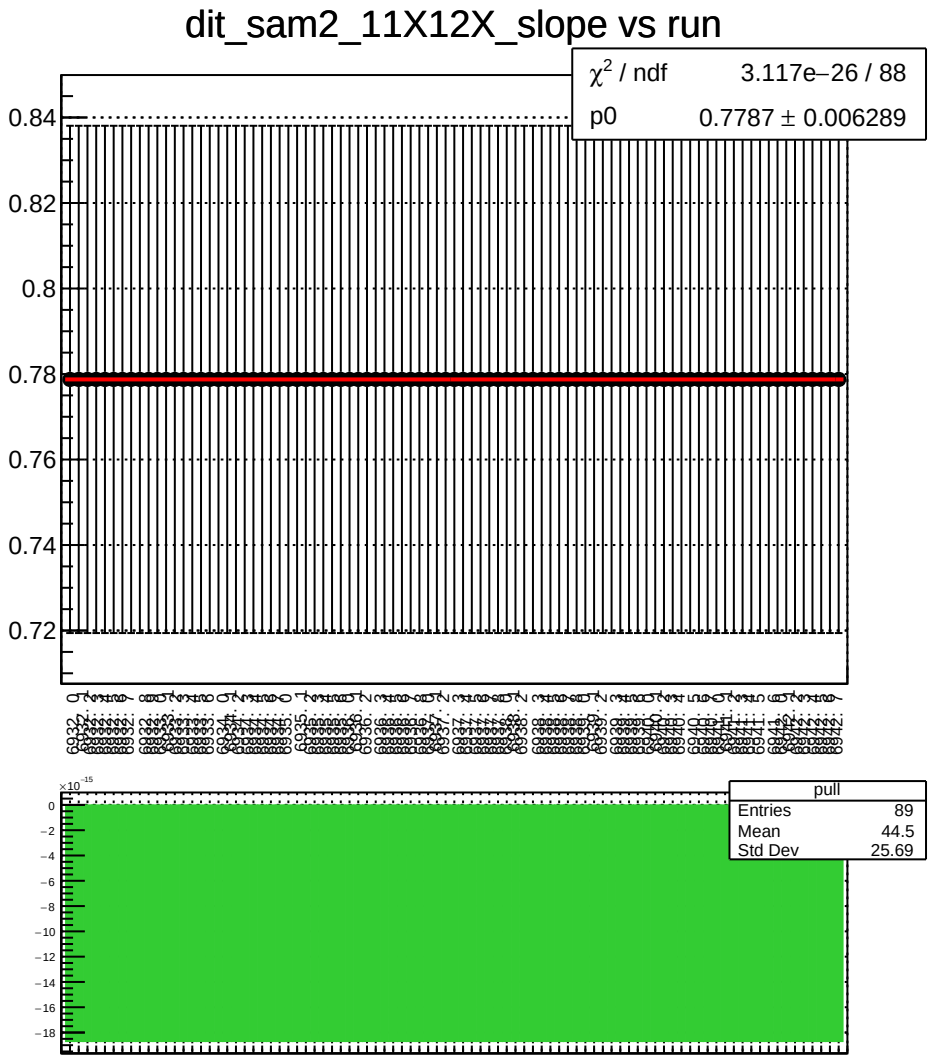


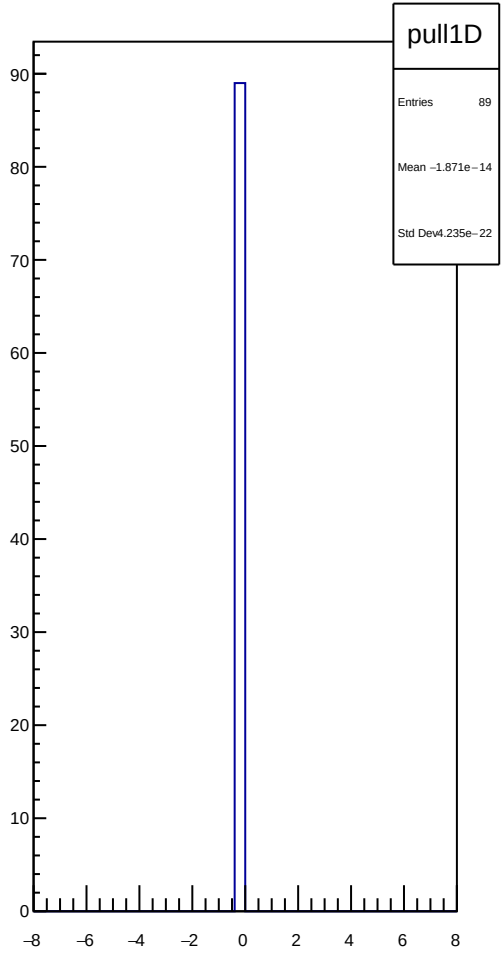

dit_sam2_4aX_slope vs run
χ² / ndf 3.312e−27 / 88
p0 75.29 ± 0.9878
85
80
75
70
65
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
6
5
4
3
2
1
0

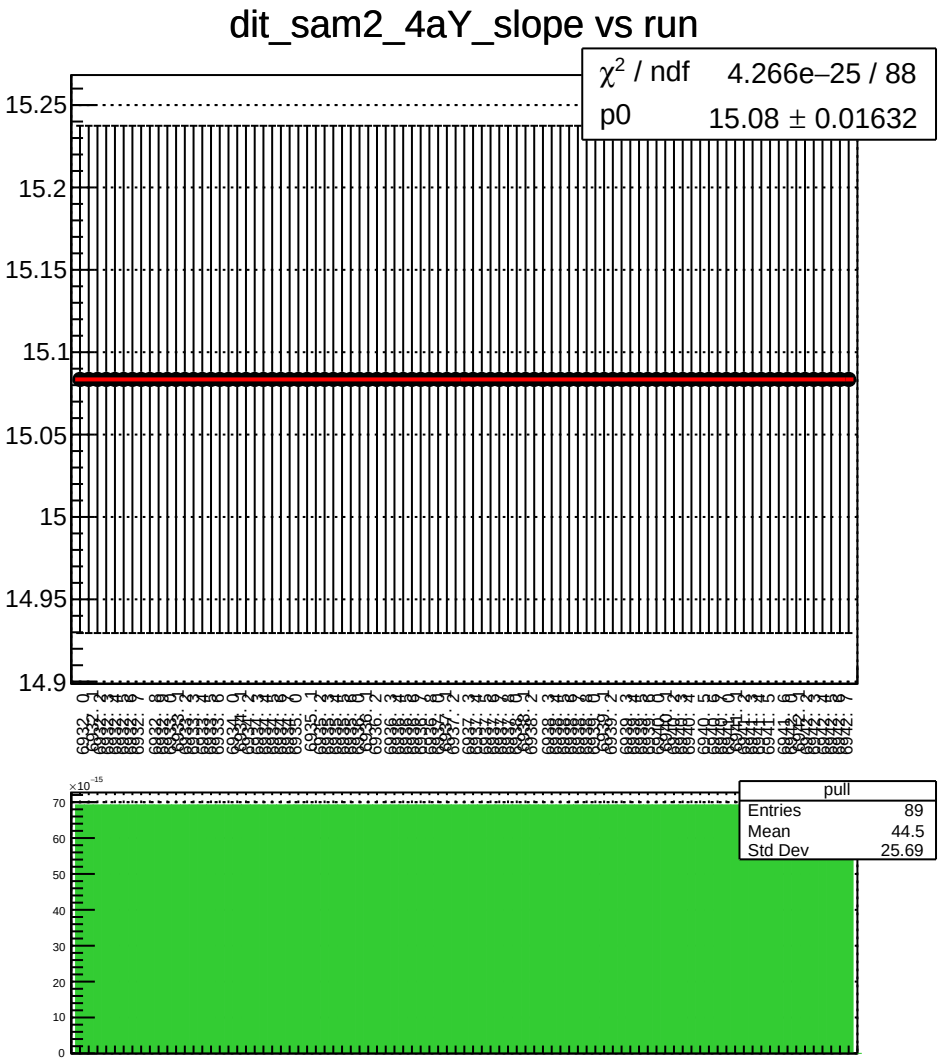

pull1D
Entries 89
Mean 6.1e−15
Std Dev 3.087e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

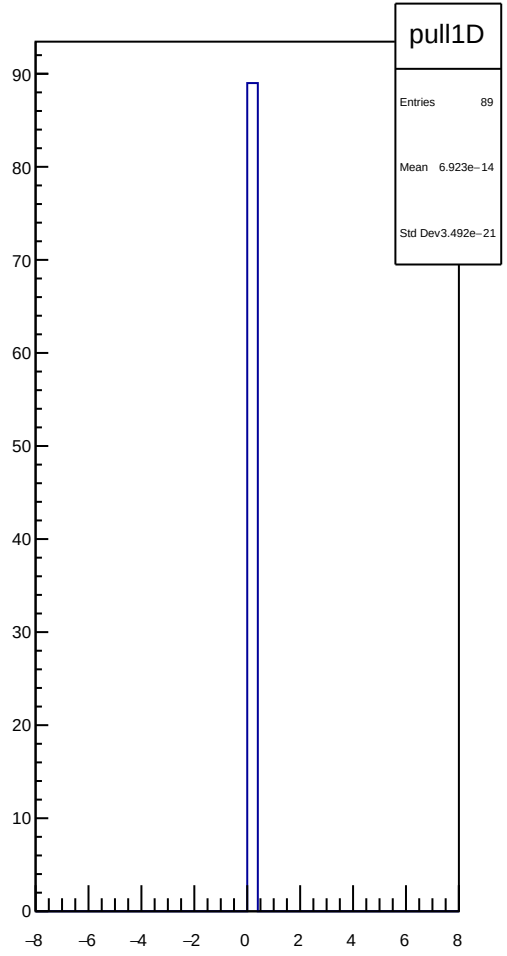

dit_sam2_4eX_slope vs run
χ^2 / ndf 0 / 88
p0 −273.9 ± 0.9762
−264
−266
−268
−270
−272
−274
−276
−278
−280
−282
−284
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

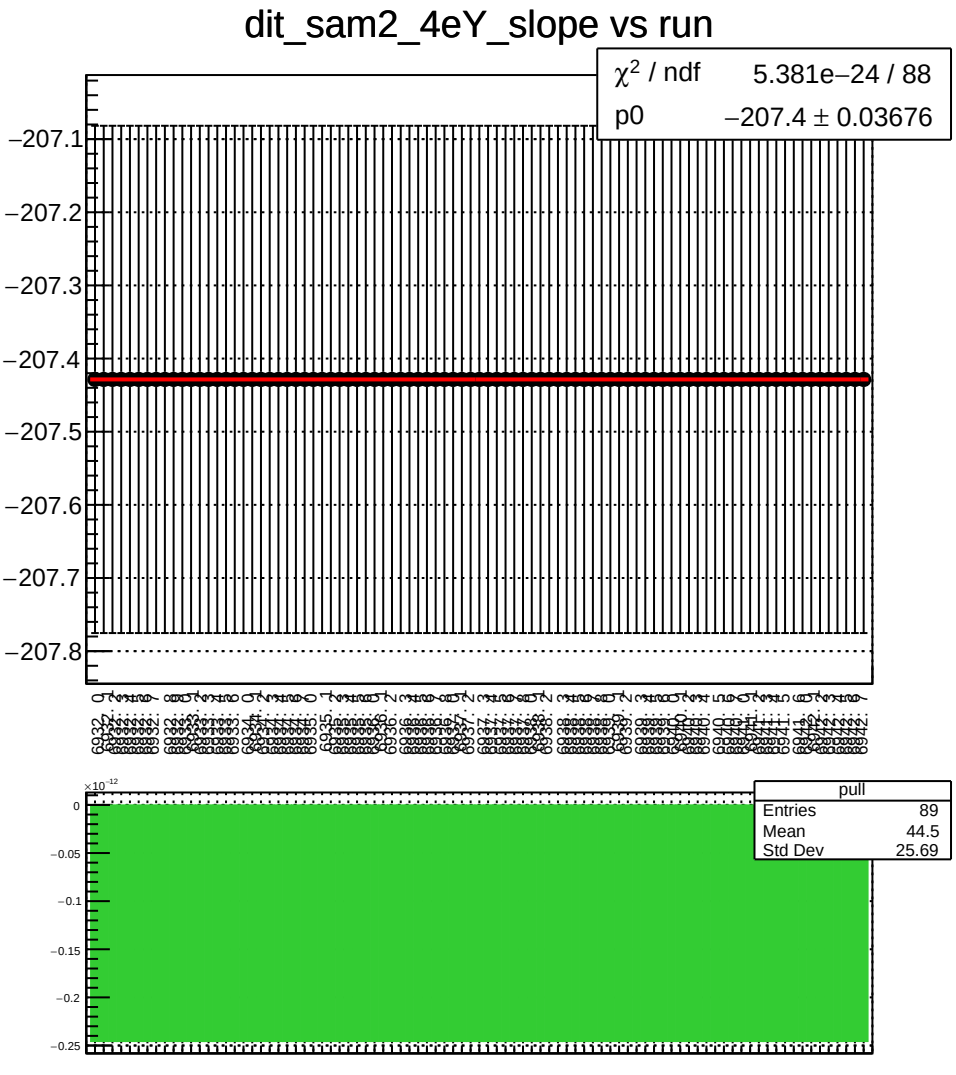

pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

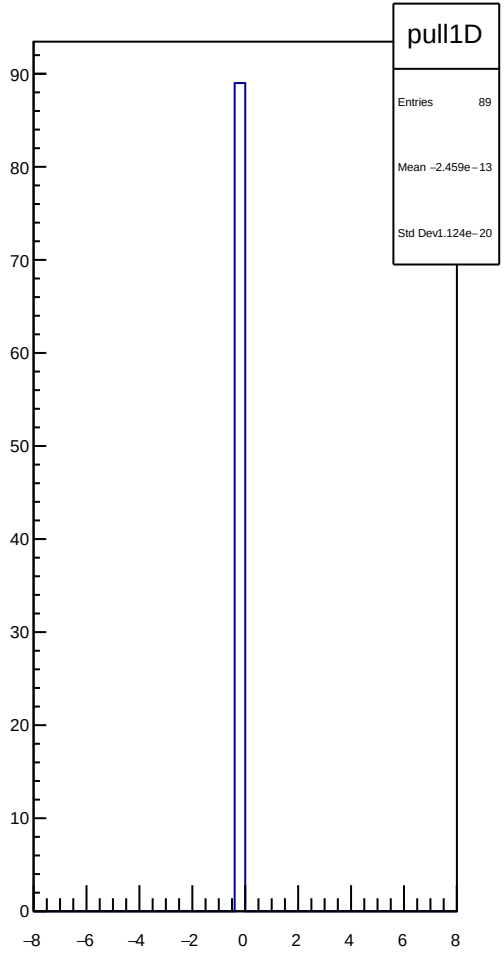

dit_sam2_11X12X_slope vs run
χ^2 / ndf 3.117e−26 / 88
p0 0.7787 ± 0.006289
0.84
0.82
0.8
0.78
0.76
0.74
0.72
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

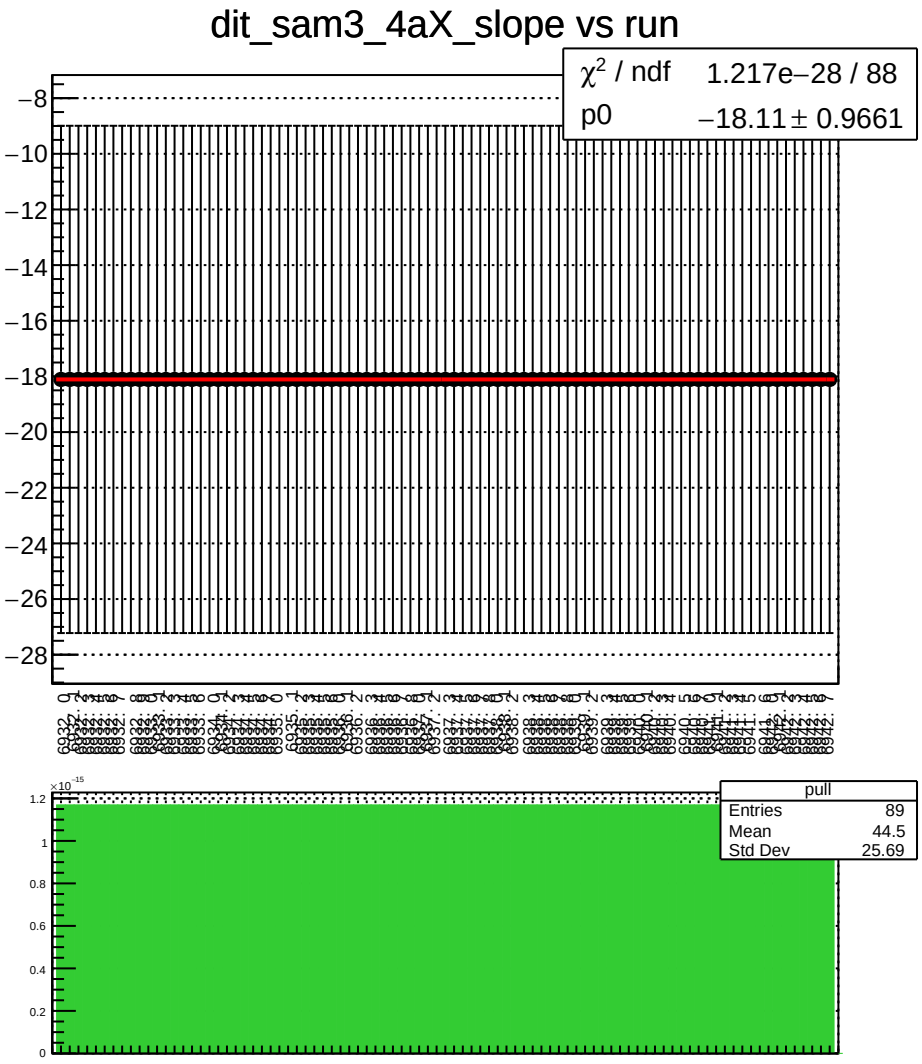

pull1D
Entries 89
Mean −1.871e−14
Std Dev4.235e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

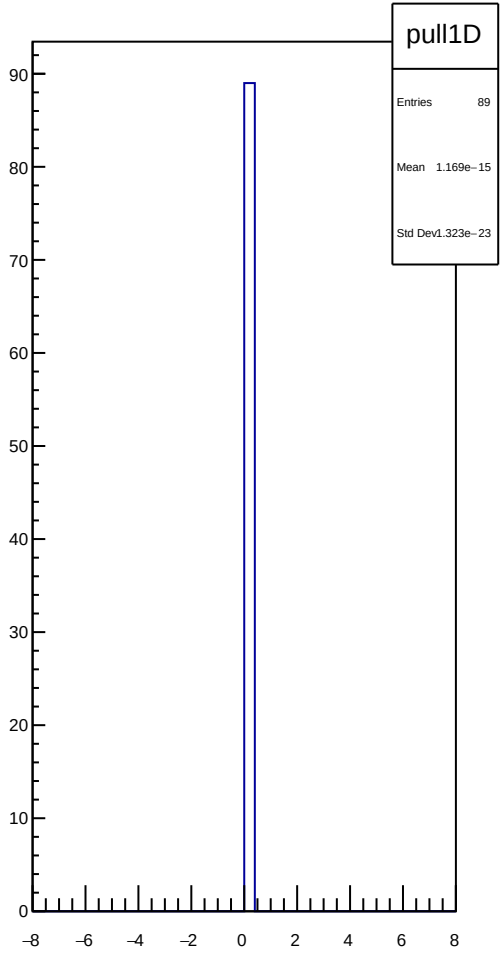

dit_sam2_4aY_slope vs run
χ² / ndf 4.266e−25 / 88
p0 15.08 ± 0.01632
15.25
15.2
15.15
15.1
15.05
15
14.95
14.9
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
70
60
50
40
30
20
10
0

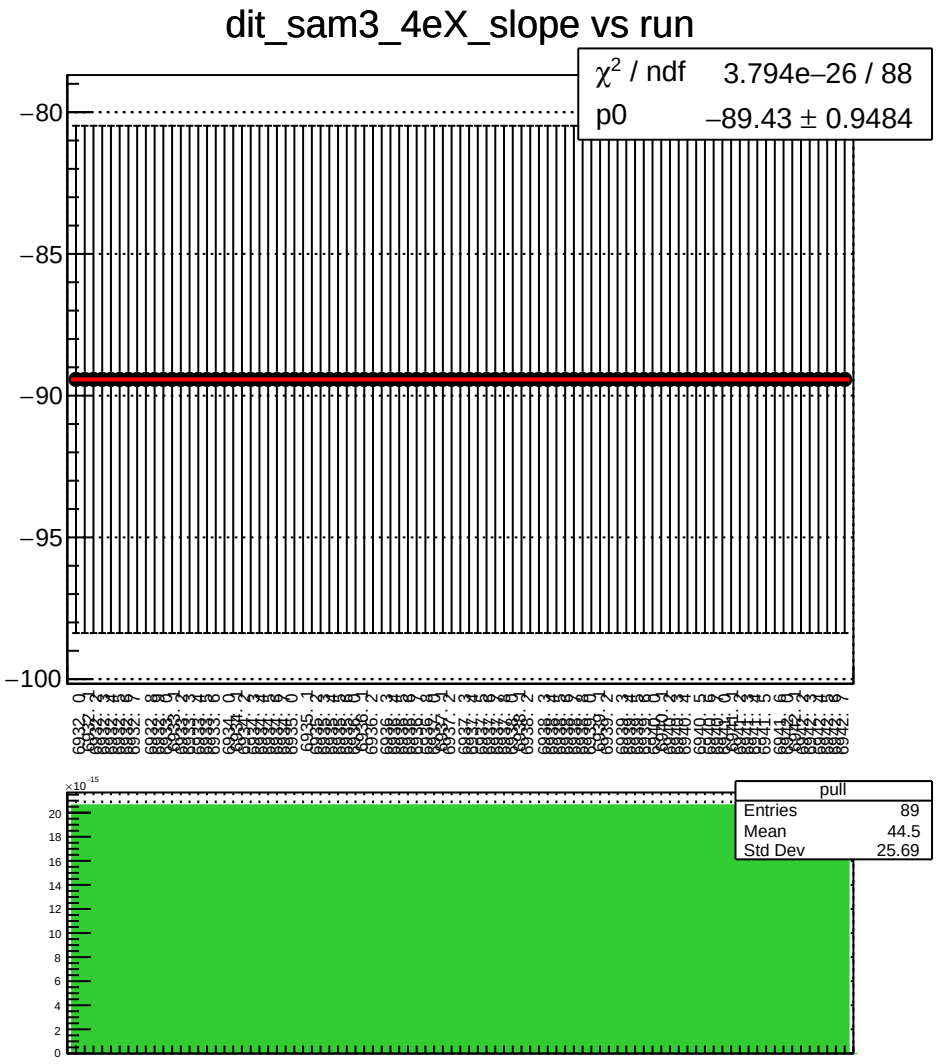

pull1D
Entries 89
Mean 6.923e−14
Std Dev 3.492e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

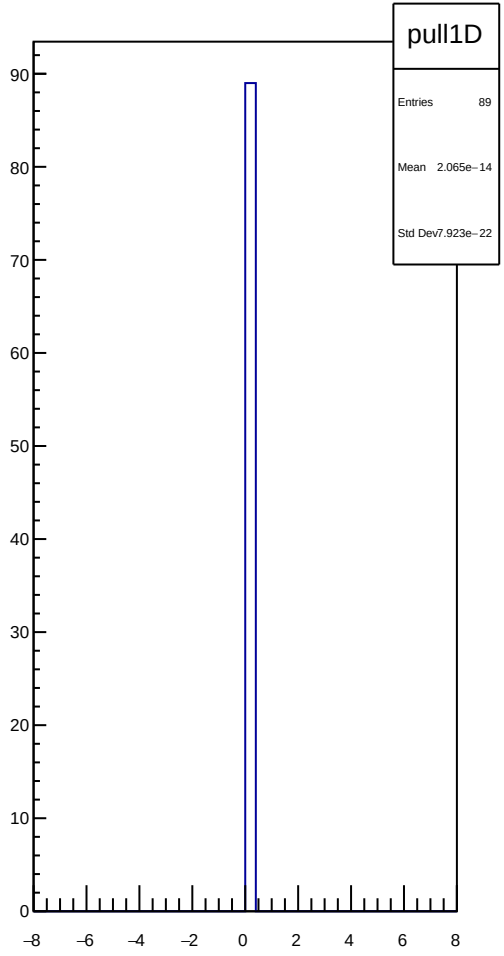

dit_sam2_4eY_slope vs run
χ² / ndf 5.381e−24 / 88
p0 −207.4 ± 0.03676
−207.1
−207.2
−207.3
−207.4
−207.5
−207.6
−207.7
−207.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25

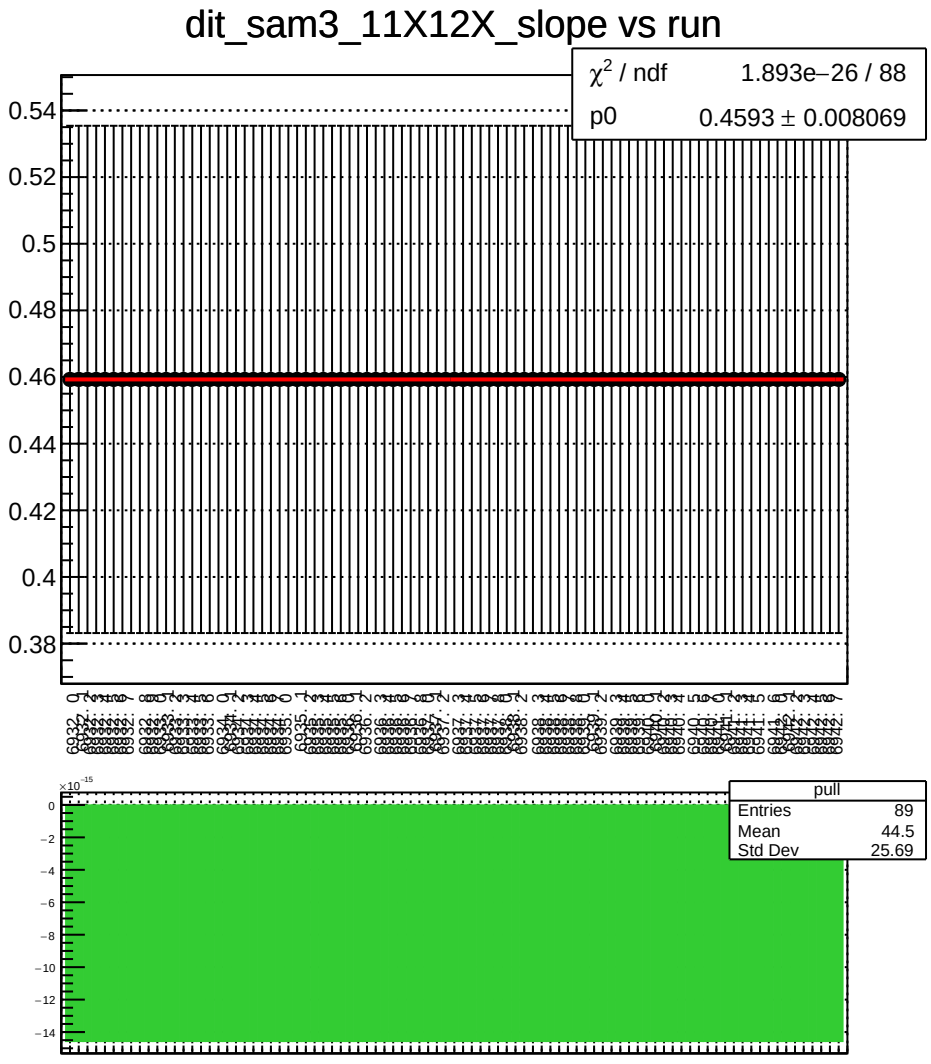

pull1D
Entries 89
Mean −2.459e−13
Std Dev 1.124e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

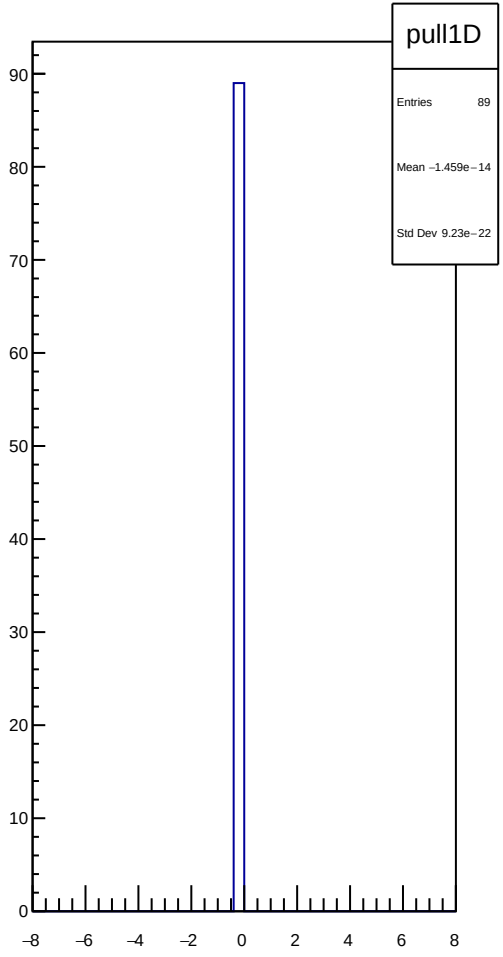

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.217e−28 / 88
p0 −18.11 ± 0.9661
pull
Entries 89
Mean 44.5
Std Dev 25.69

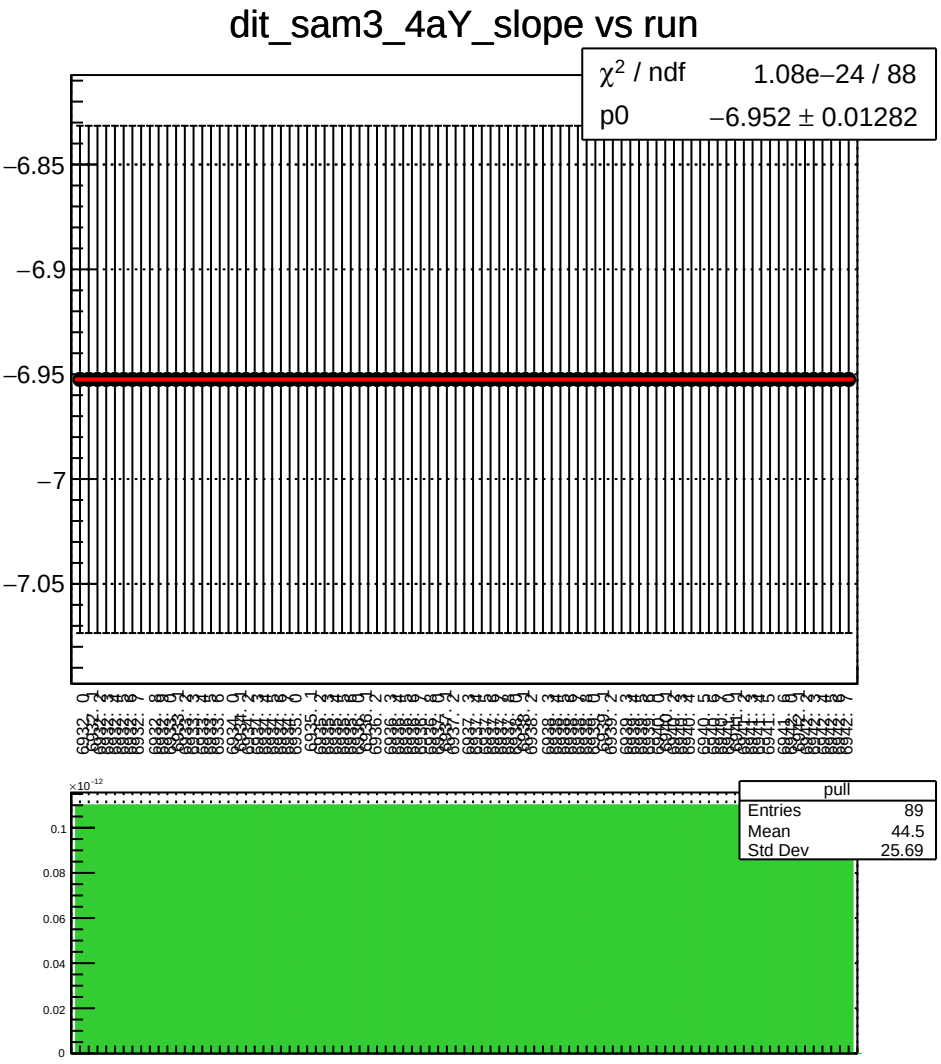

pull1D
Entries 89
Mean 1.169e−15
Std Dev1.323e−23

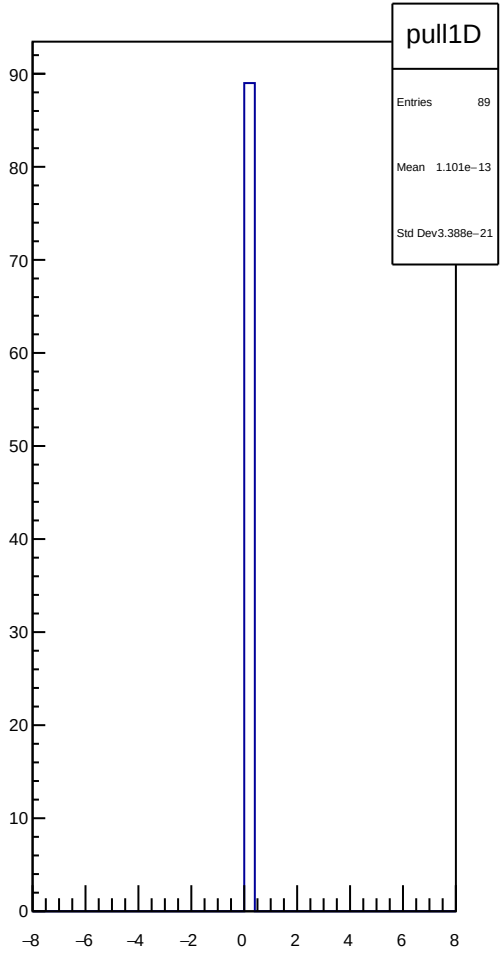

dit_sam3_4eX_slope vs run
χ^2 / ndf 3.794e−26 / 88
p0 −89.43 ± 0.9484
−80
−85
−90
−95
−100
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
20
18
16
14
12
10
8
6
4
2
0

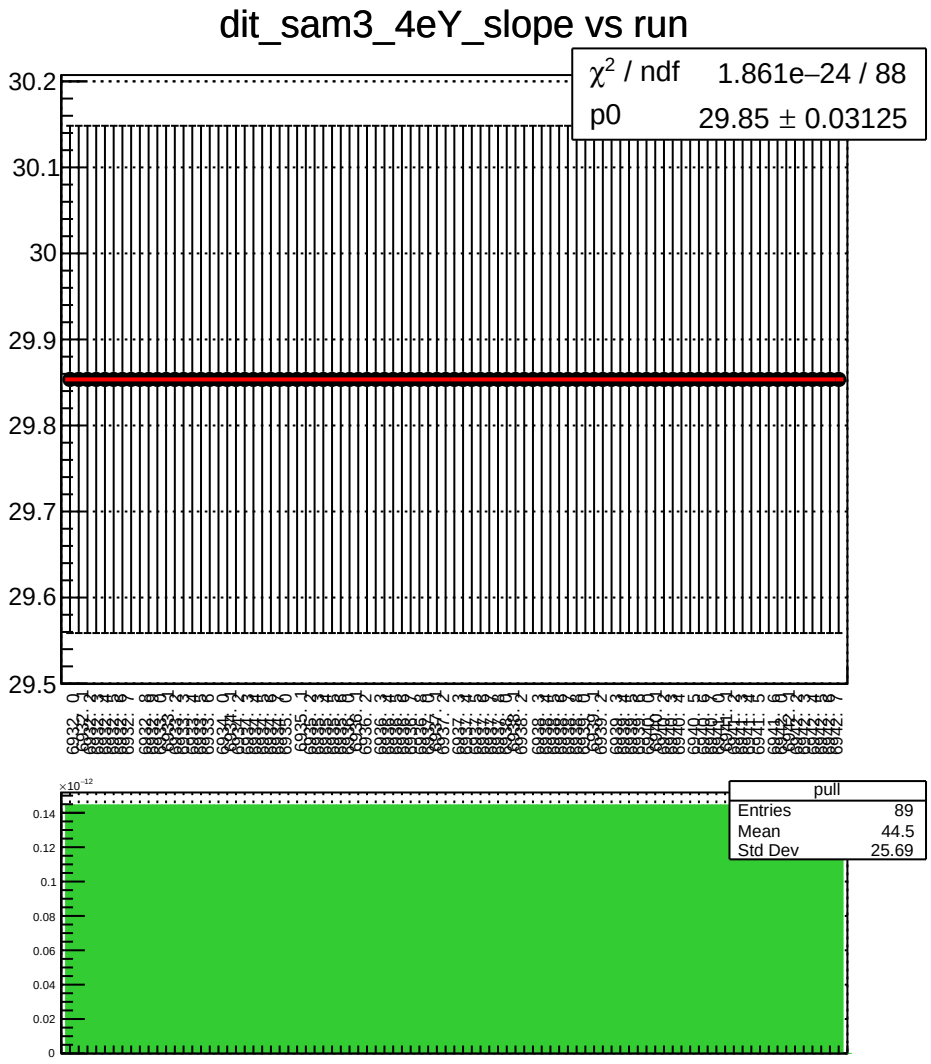

pull1D
Entries 89
Mean 2.065e−14
Std Dev 7.923e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

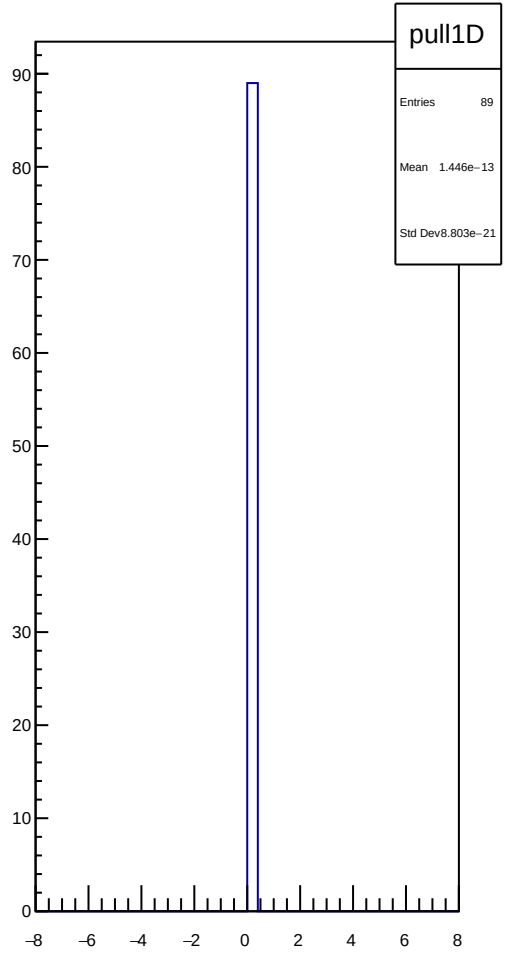

dit_sam3_11X12X_slope vs run
χ^2 / ndf 1.893e−26 / 88
p0 0.4593 ± 0.008069
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−2
−4
−6
−8
−10
−12
−14

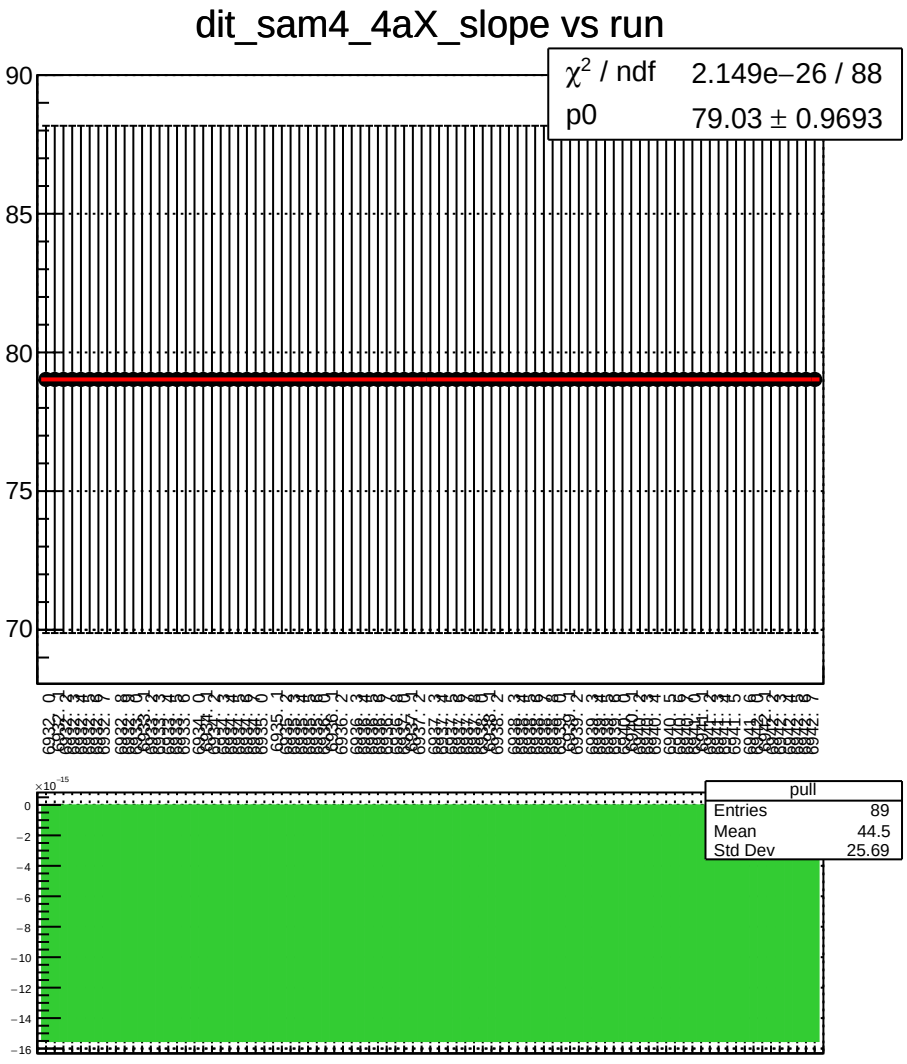

pull1D
Entries 89
Mean −1.459e−14
Std Dev 9.23e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

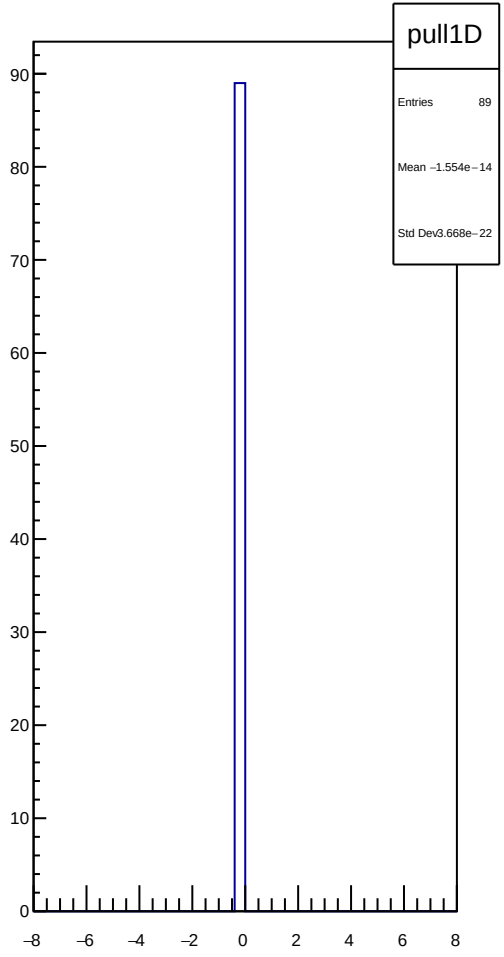

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.08e−24 / 88
p0 −6.952 ± 0.01282
−6.85
−6.9
−6.95
−7
−7.05
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
0.1
0.08
0.06
0.04
0.02
0

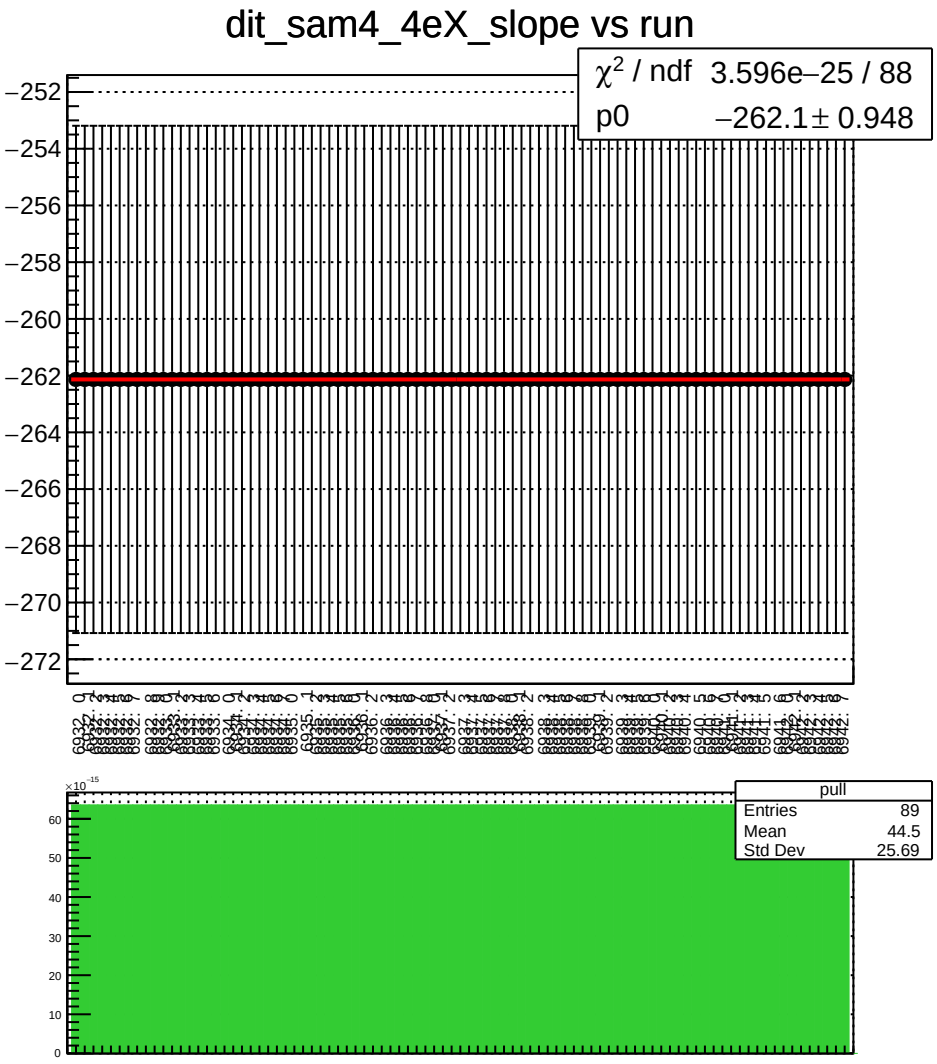

pull1D
Entries 89
Mean 1.101e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

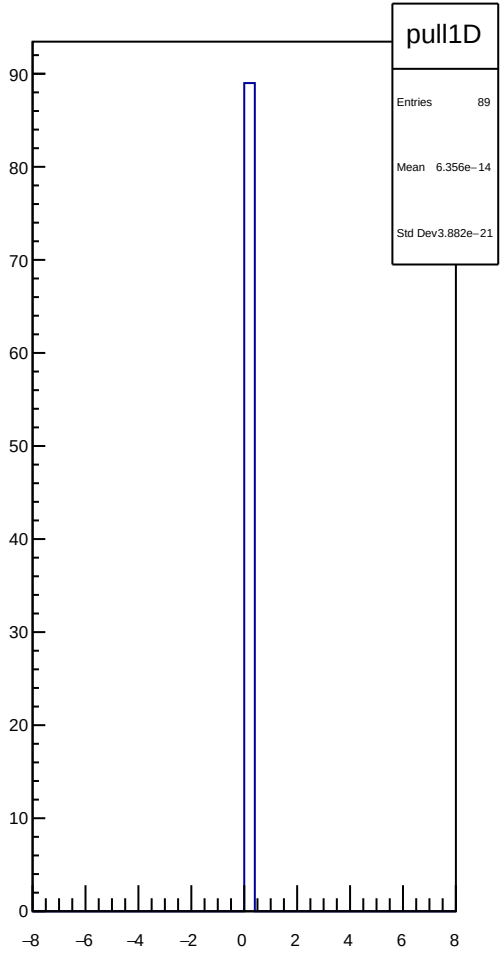

dit_sam3_4eY_slope vs run
χ^2 / ndf 1.861e−24 / 88
p0 29.85 ± 0.03125
30.2
30.1
30
29.9
29.8
29.7
29.6
29.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

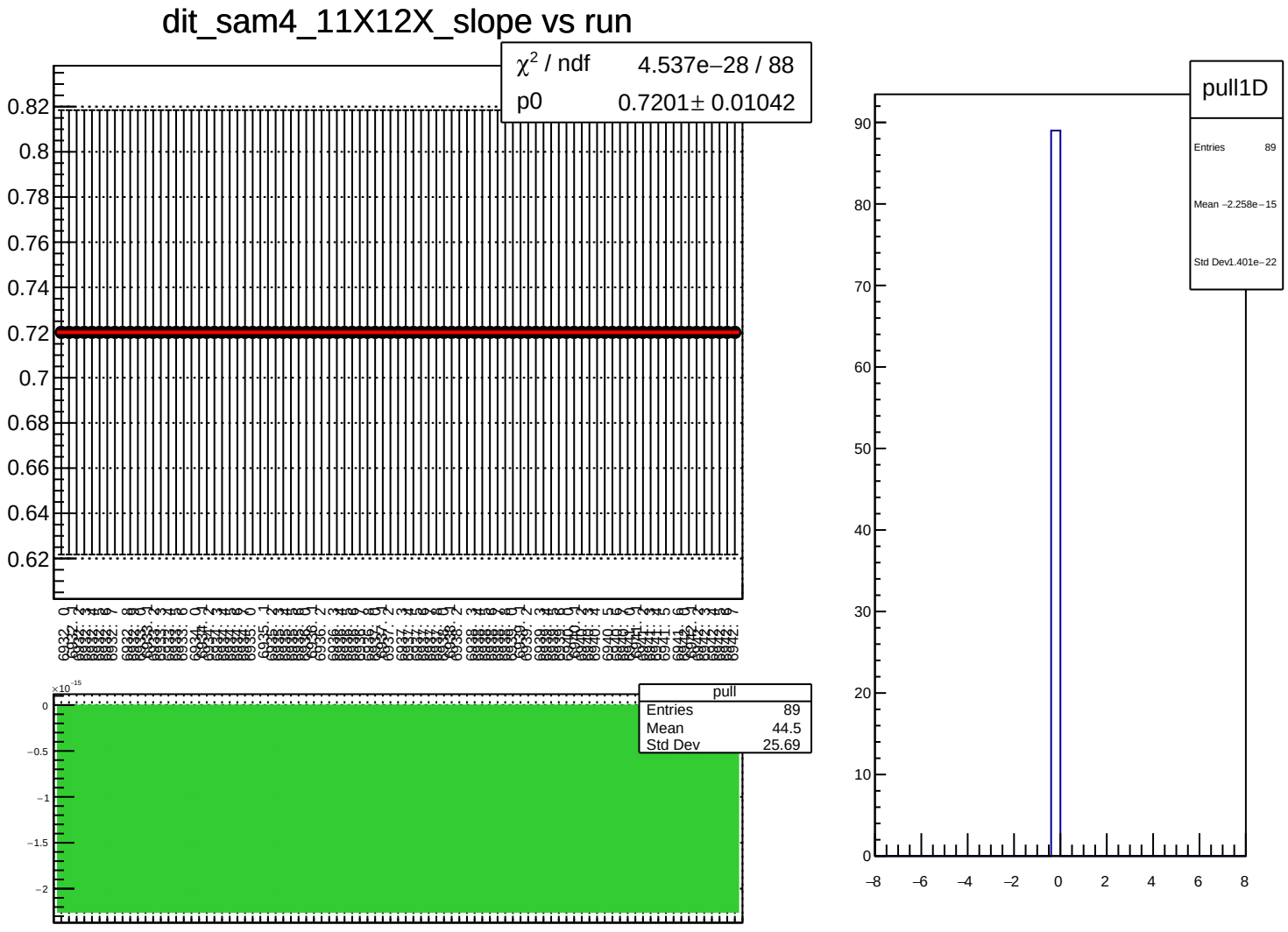

pull1D
Entries 89
Mean 1.446e−13
Std Dev8.803e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

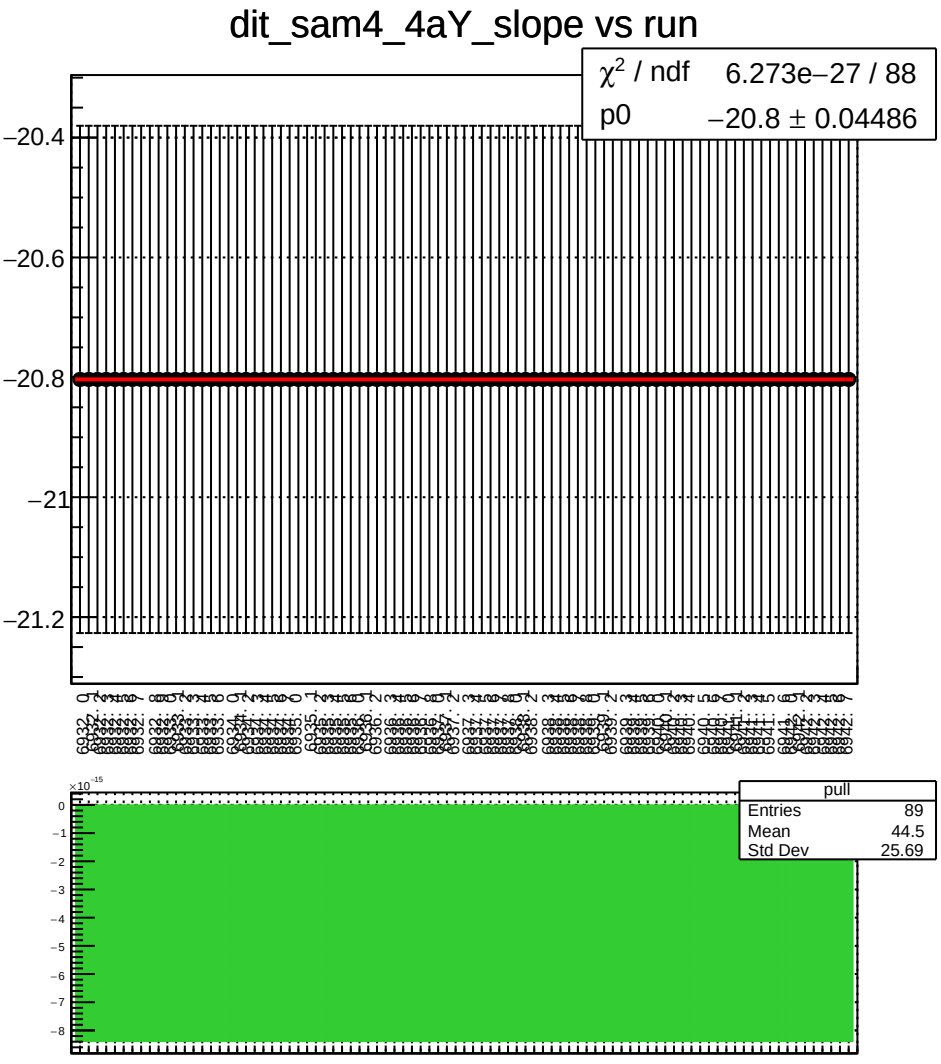

dit_sam4_4aX_slope vs run
χ^2 / ndf 2.149e−26 / 88
p0 79.03 ± 0.9693
90
85
80
75
70
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

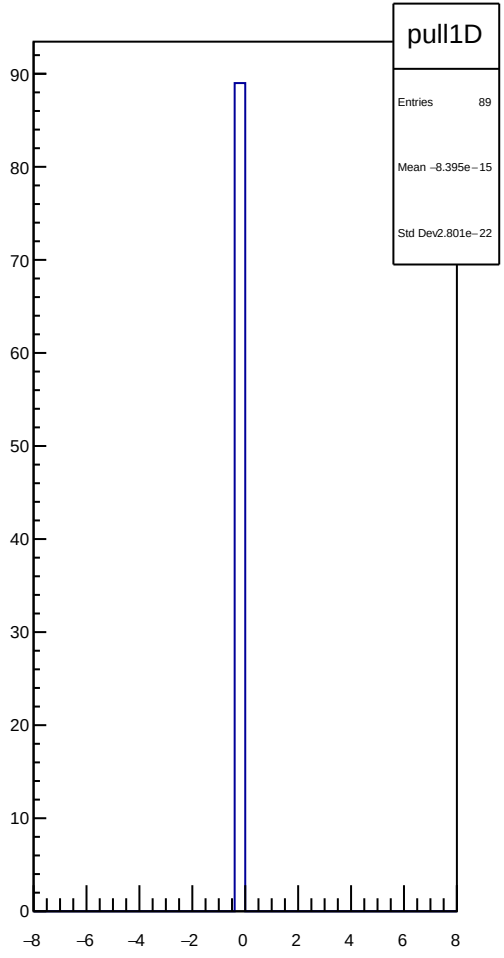

pull1D
Entries 89
Mean −1.554e−14
Std Dev 3.668e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

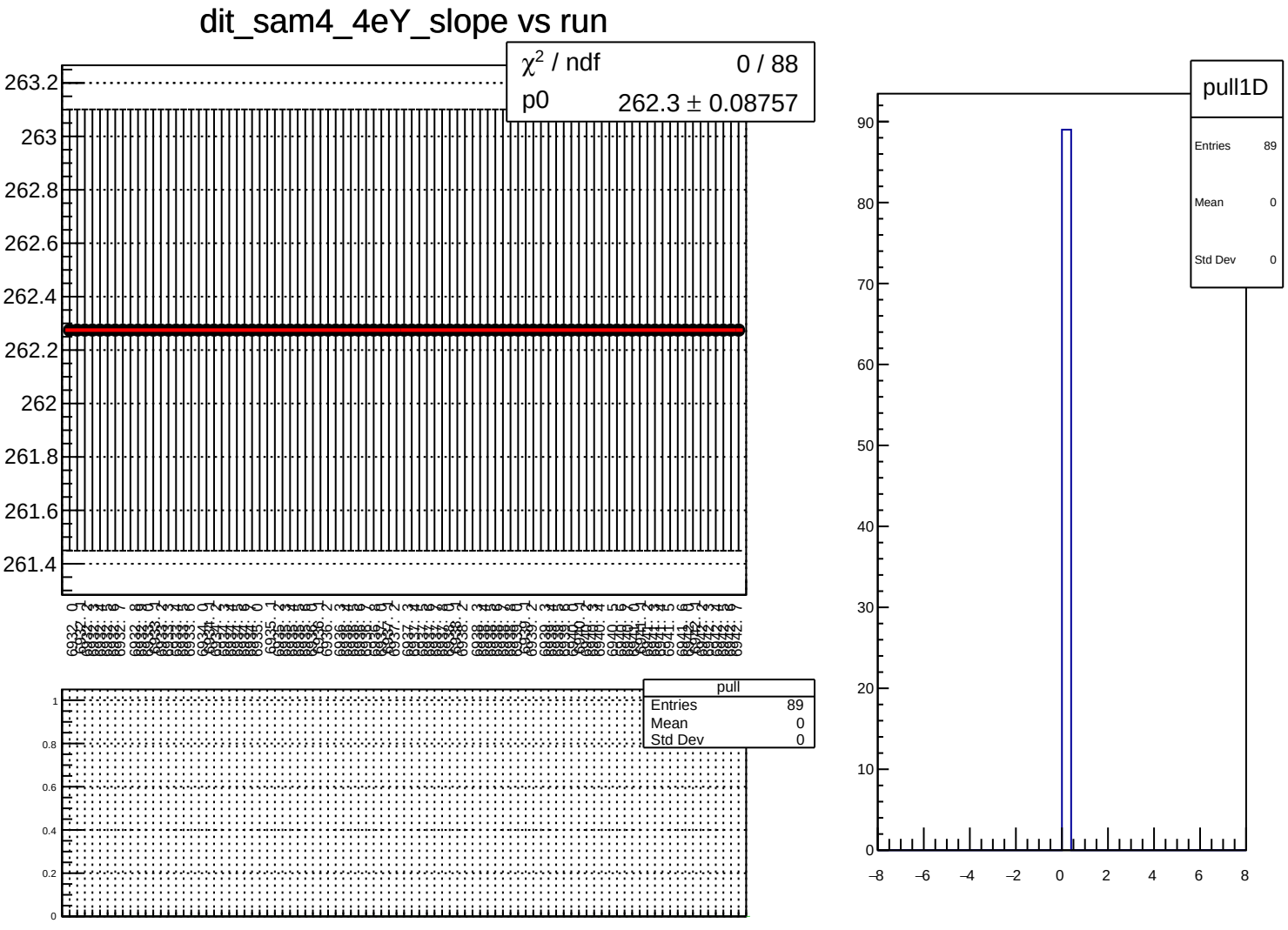

dit_sam4_4eX_slope vs run
χ^2 / ndf 3.596e−25 / 88
p0 −262.1 ± 0.948
pull
Entries 89
Mean 44.5
Std Dev 25.69

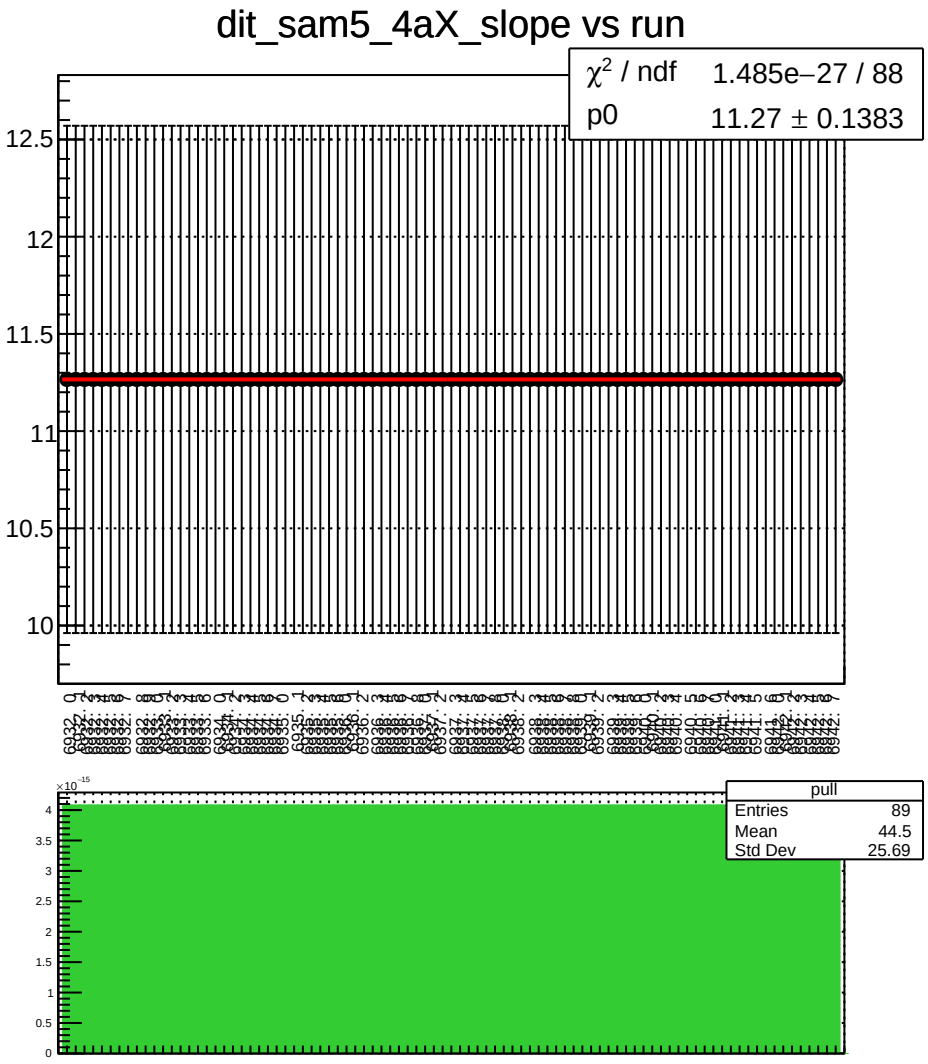

pull1D
Entries 89
Mean 6.356e−14
Std Dev 3.882e−21

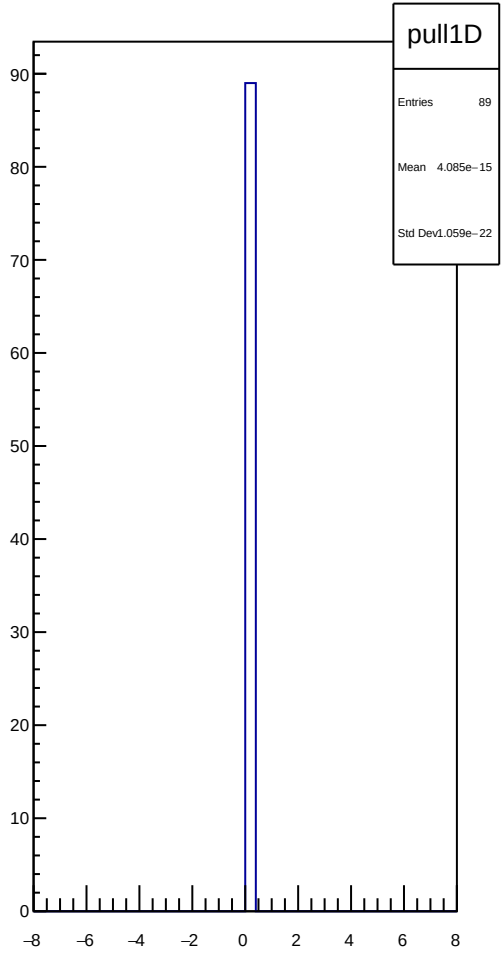

dit_sam4_11X12X_slope vs run
χ^2 / ndf 4.537e−28 / 88
p0 0.7201± 0.01042
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0.64
0.62
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −2.258e−15
Std Dev1.401e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

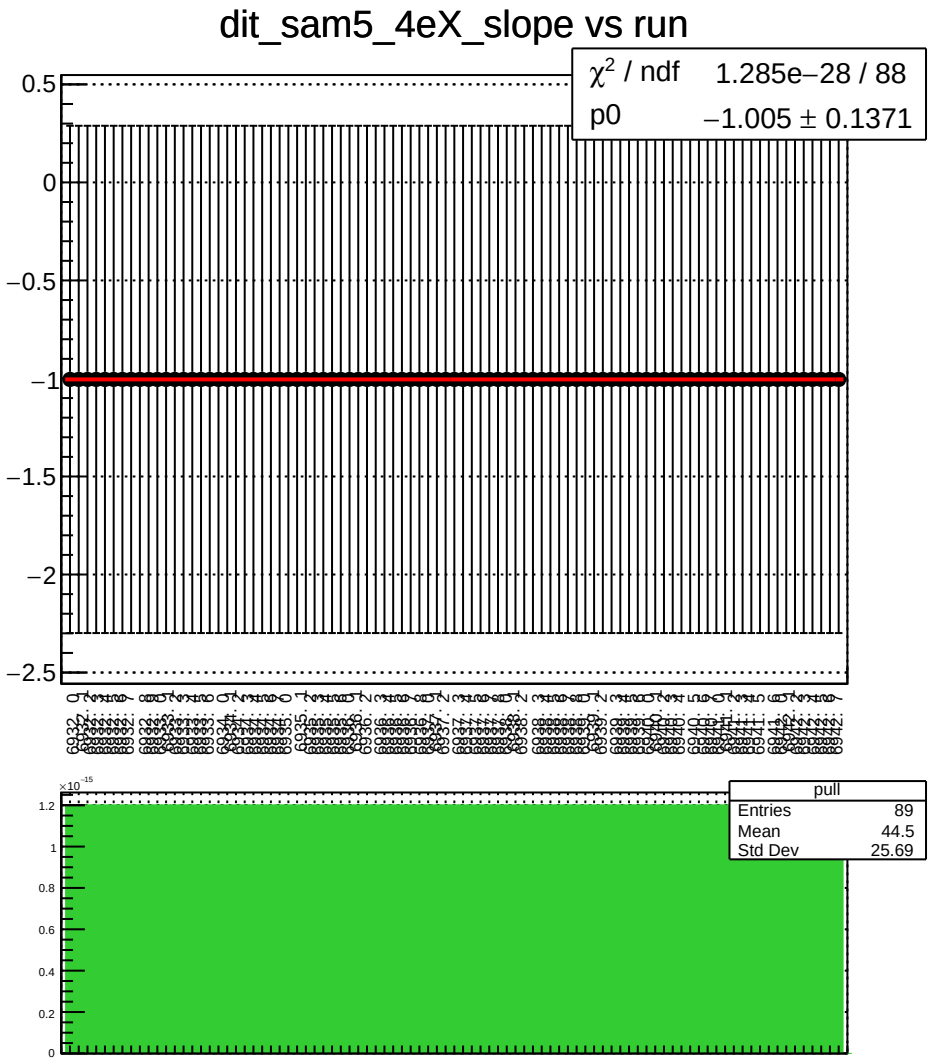

dit_sam4_4aY_slope vs run
χ^2 / ndf 6.273e−27 / 88
p0 −20.8 ± 0.04486
−20.4
−20.6
−20.8
−21
−21.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

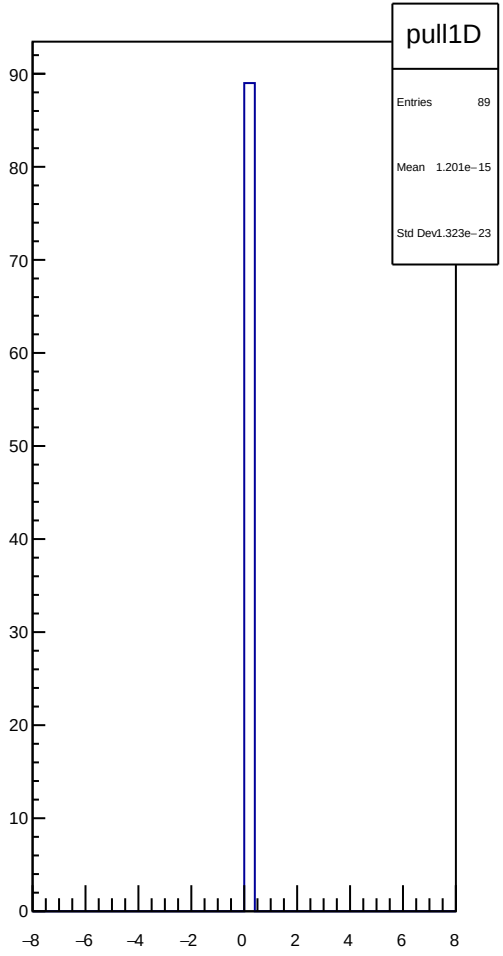

pull1D
Entries 89
Mean −8.395e−15
Std Dev 2.801e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

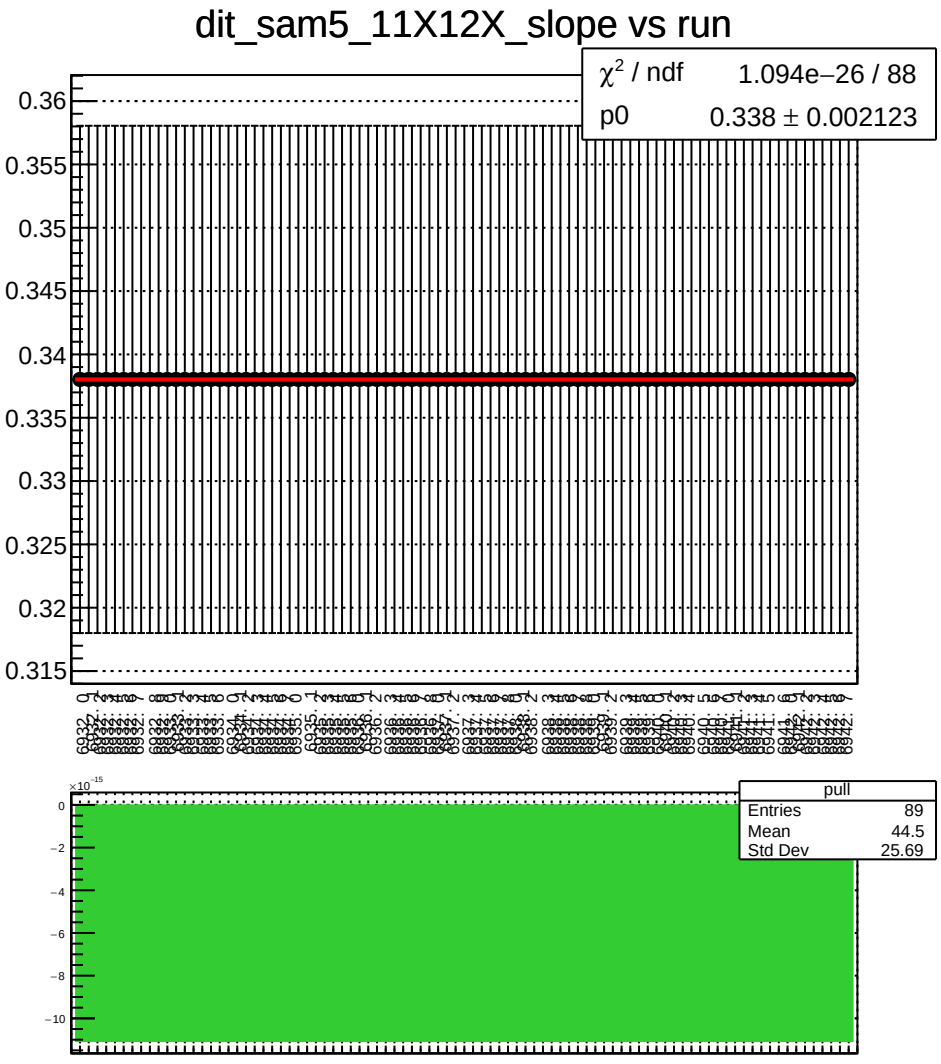

dit_sam4_4eY_slope vs run
χ^2 / ndf 0 / 88
p0 262.3 ± 0.08757
263.2
263
262.8
262.6
262.4
262.2
262
261.8
261.6
261.4
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

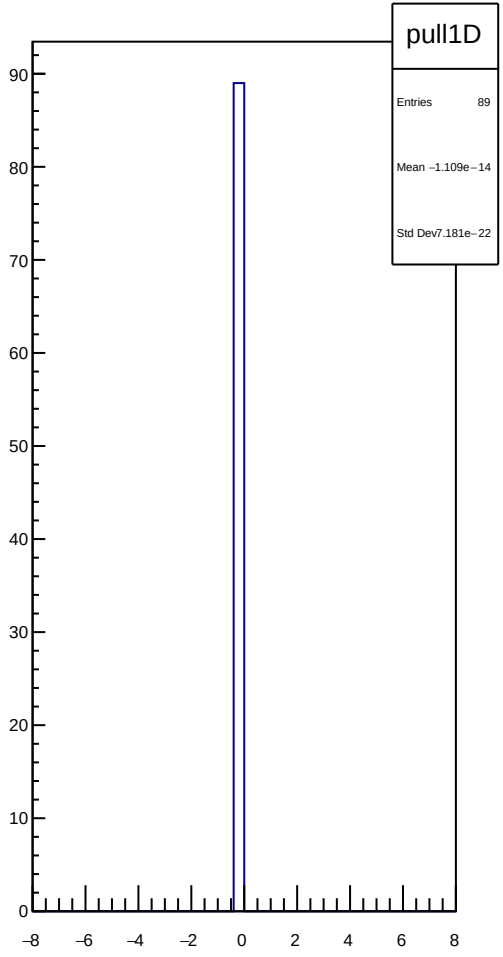

dit_sam5_4aX_slope vs run
χ2 / ndf 1.485e−27 / 88
p0 11.27 ± 0.1383
12.5
12
11.5
11
10.5
10
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10−15
4
3.5
3
2.5
2
1.5
1
0.5
0

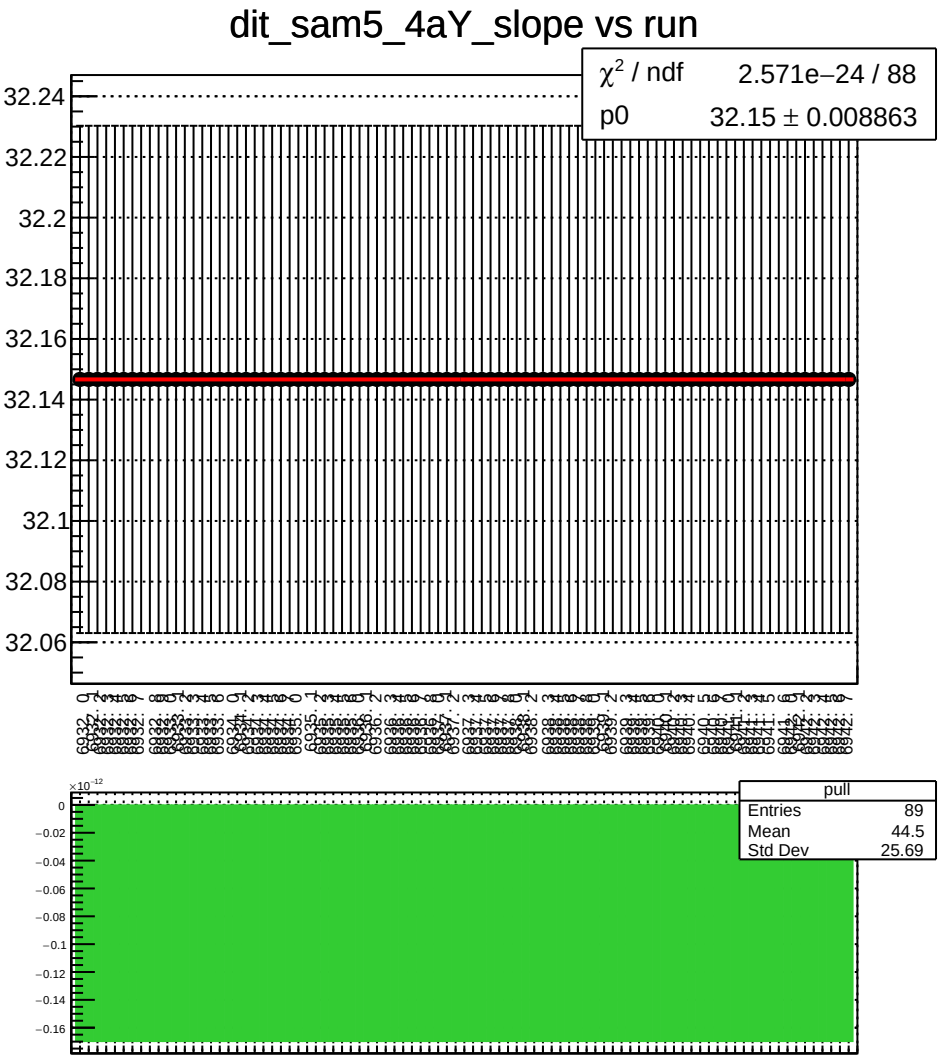

pull1D
Entries 89
Mean 4.085e−15
Std Dev 1.059e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

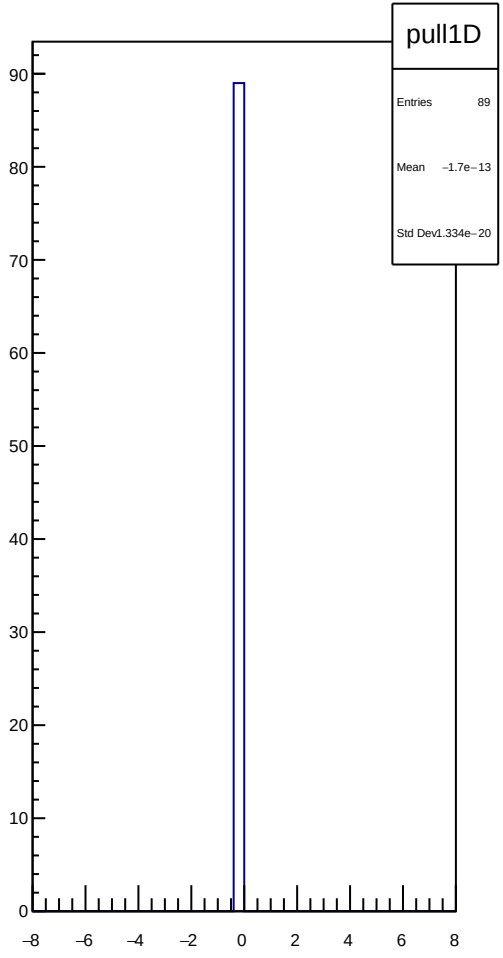

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.285e−28 / 88
p0 −1.005 ± 0.1371
pull
Entries 89
Mean 44.5
Std Dev 25.69

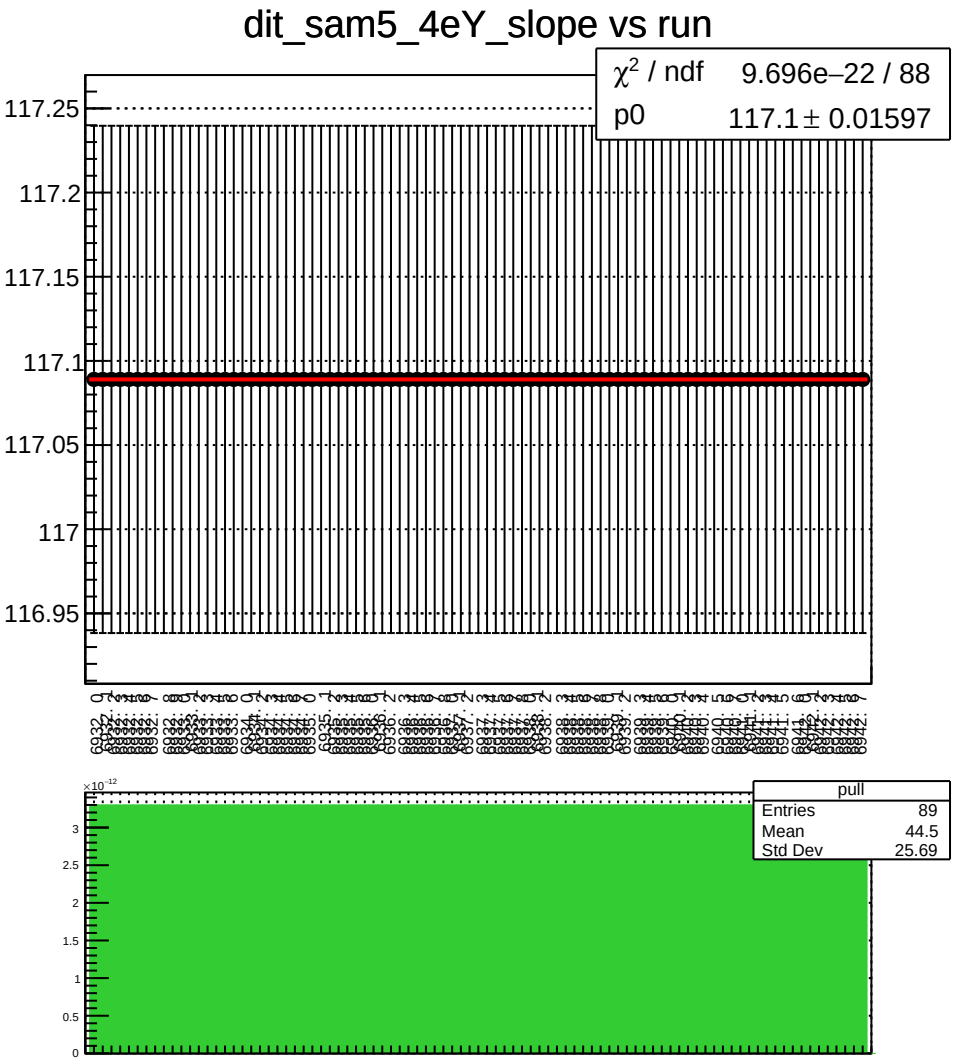

pull1D
Entries 89
Mean 1.201e−15
Std Dev1.323e−23

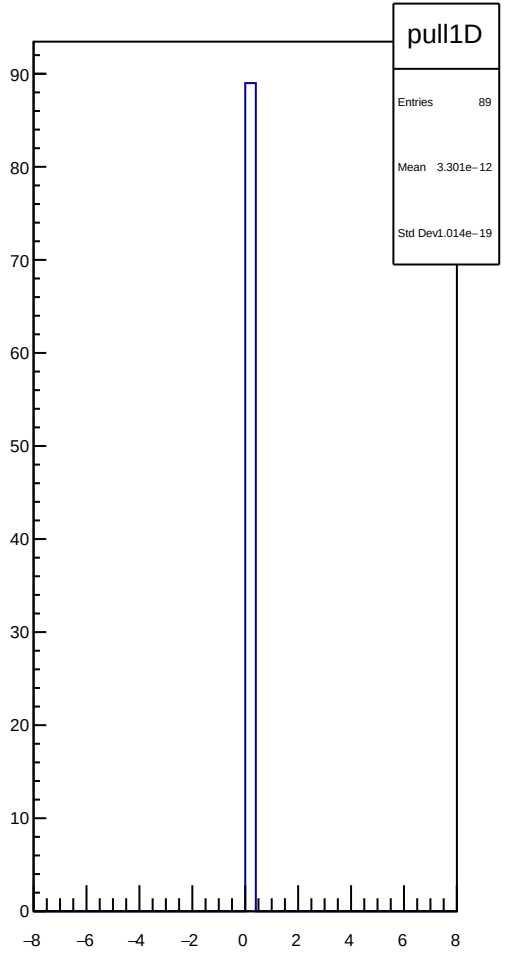

dit_sam5_11X12X_slope vs run
χ^2 / ndf 1.094e−26 / 88
p0 0.338 ± 0.002123
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
0.32
0.315
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−2
−4
−6
−8
−10

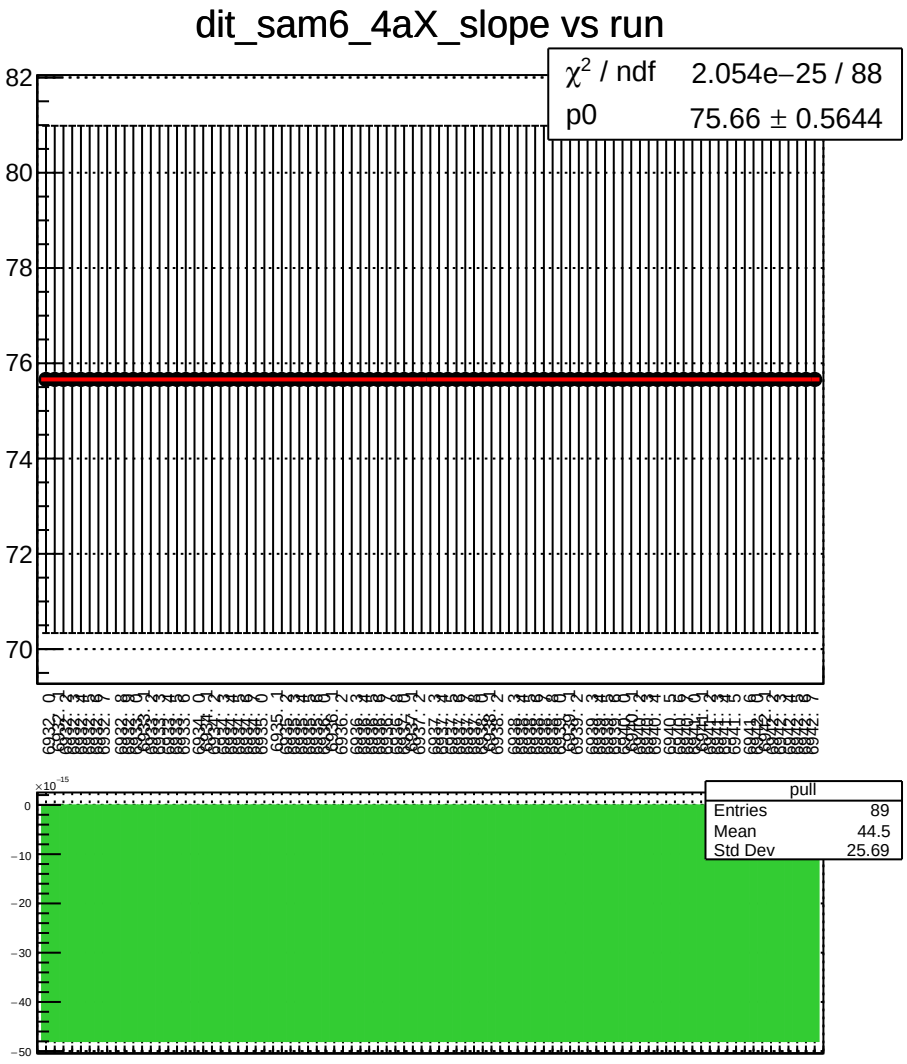

pull1D
Entries 89
Mean −1.109e−14
Std Dev7.181e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

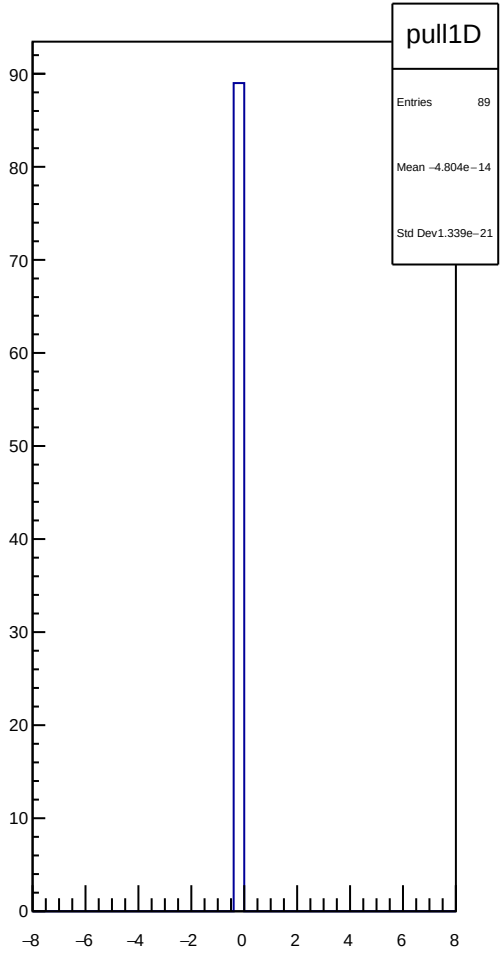

dit_sam5_4aY_slope vs run
χ² / ndf 2.571e−24 / 88
p0 32.15 ± 0.008863
32.24
32.22
32.2
32.18
32.16
32.14
32.12
32.1
32.08
32.06
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16


pull1D
Entries 89
Mean −1.7e−13
Std Dev 1.334e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

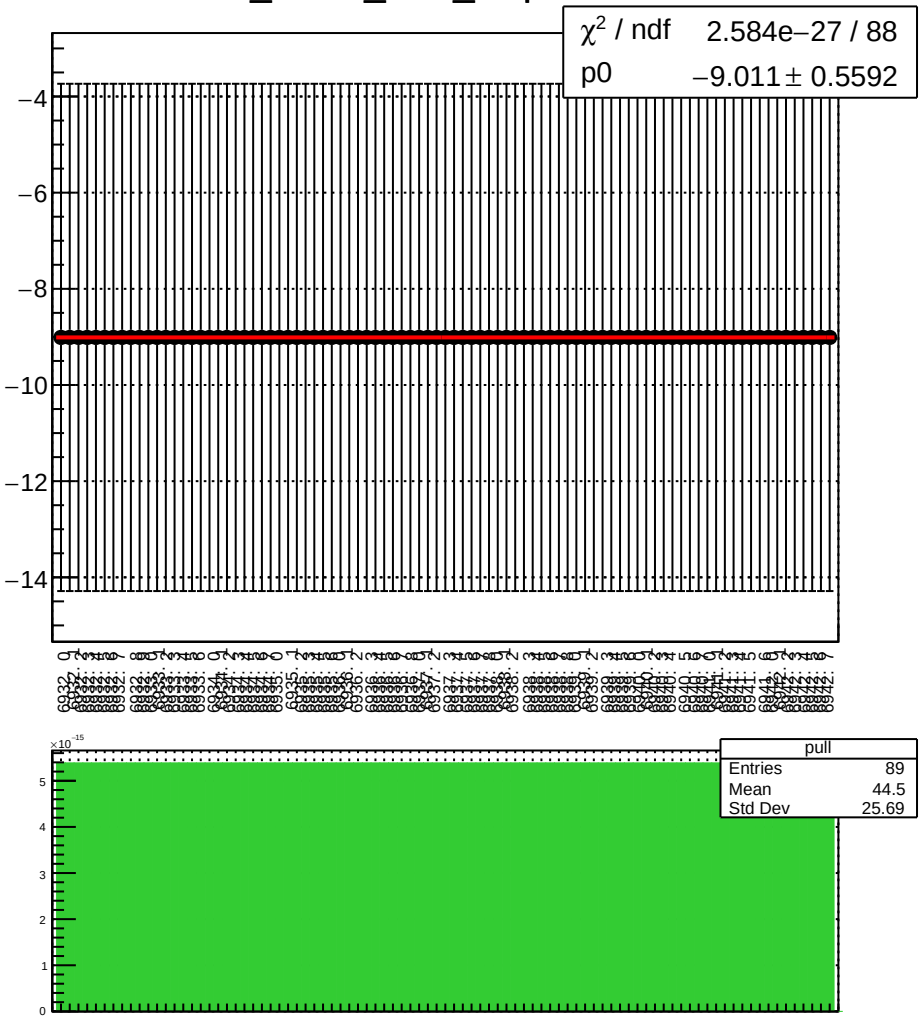

dit_sam5_4eY_slope vs run
χ^2 / ndf 9.696e−22 / 88
p0 117.1 ± 0.01597
117.25
117.2
117.15
117.1
117.05
117
116.95
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-12
3
2.5
2
1.5
1
0.5
0

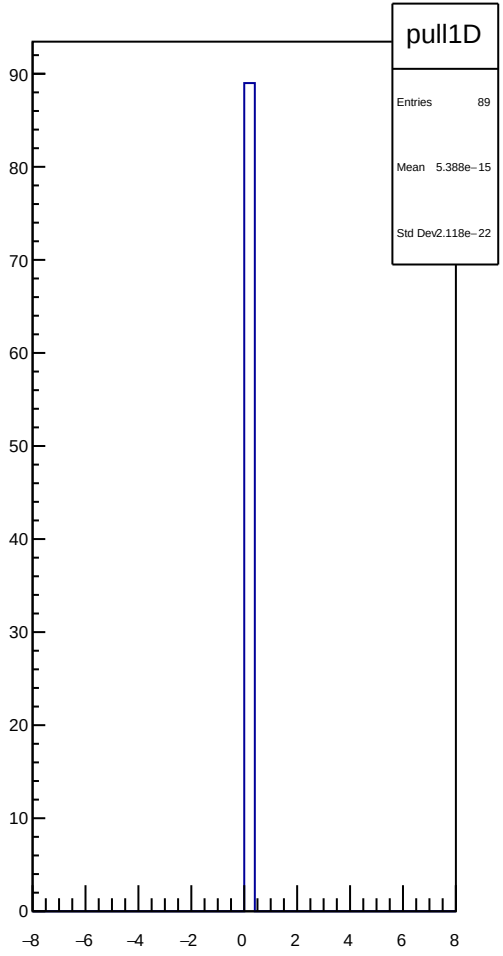

pull1D
Entries 89
Mean 3.301e−12
Std Dev1.014e−19
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

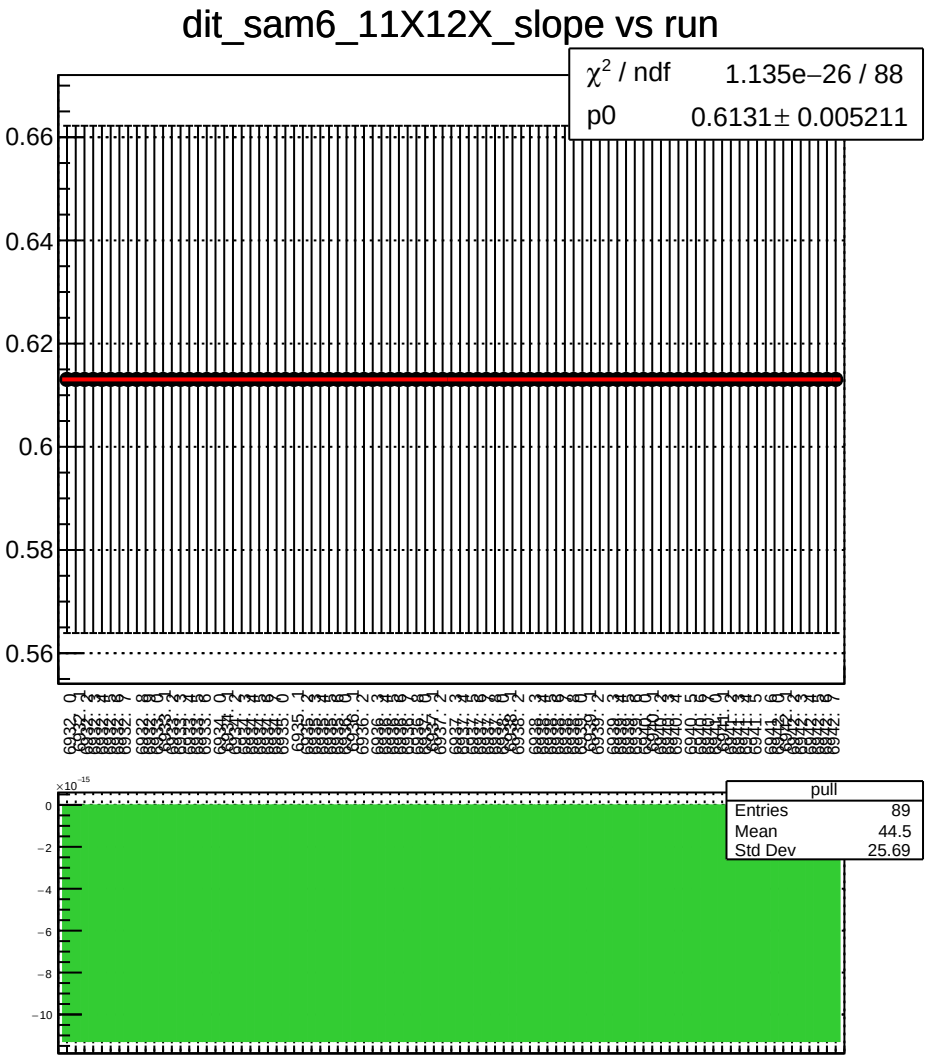

dit_sam6_4aX_slope vs run
χ² / ndf 2.054e−25 / 88
p0 75.66 ± 0.5644
82
80
78
76
74
72
70
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50

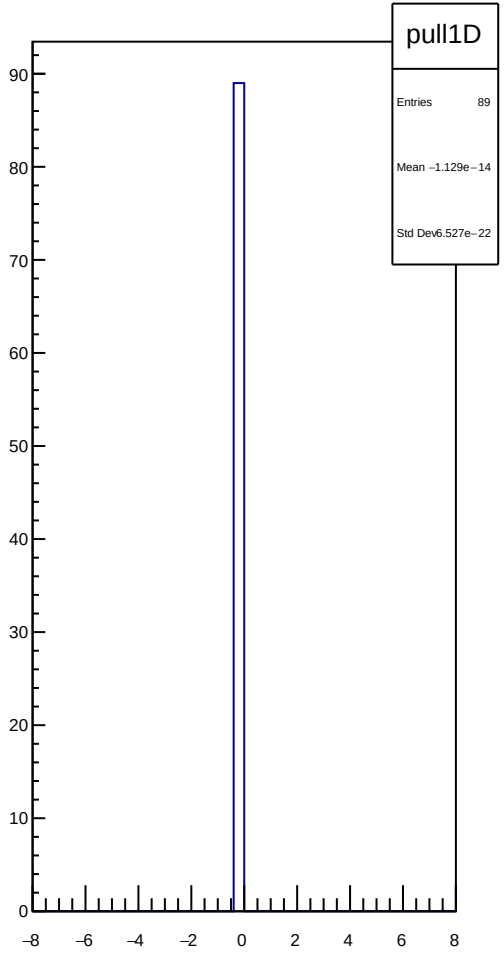

pull1D
Entries 89
Mean −4.804e−14
Std Dev1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

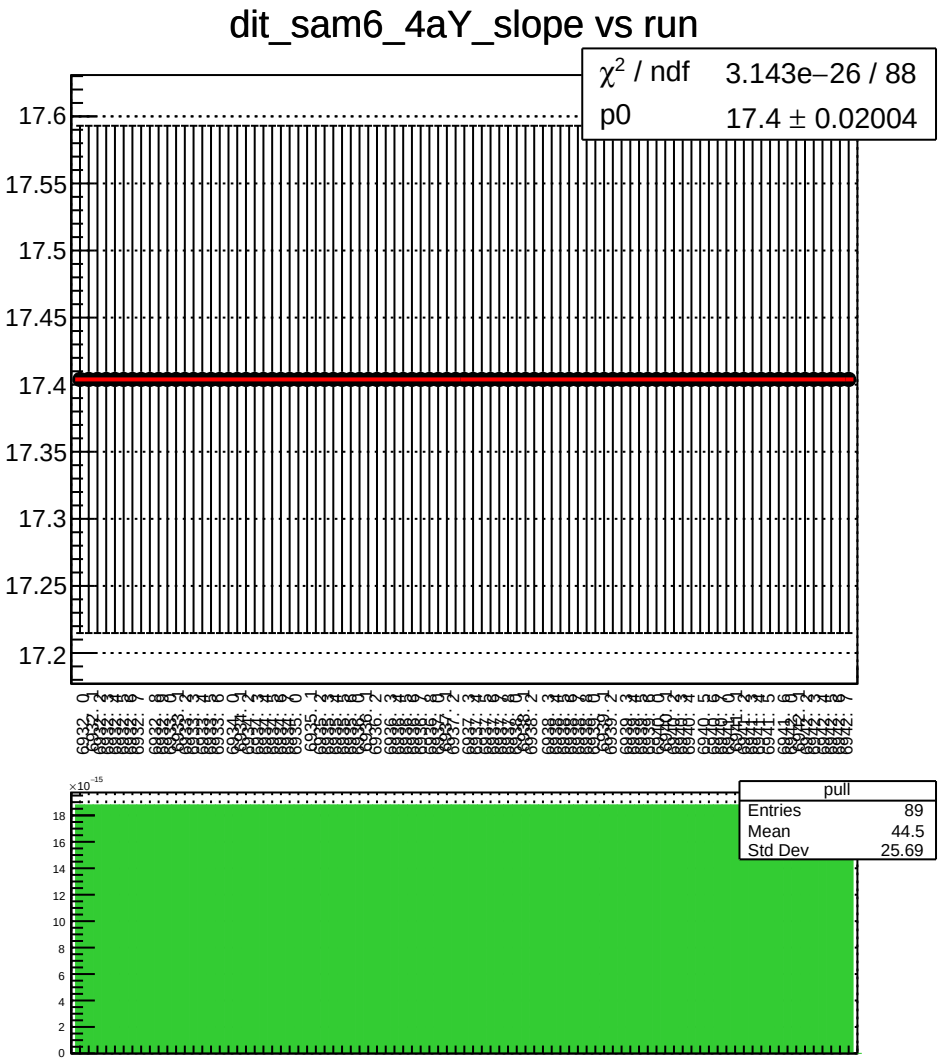
dit_sam6_4eX_slope vs run

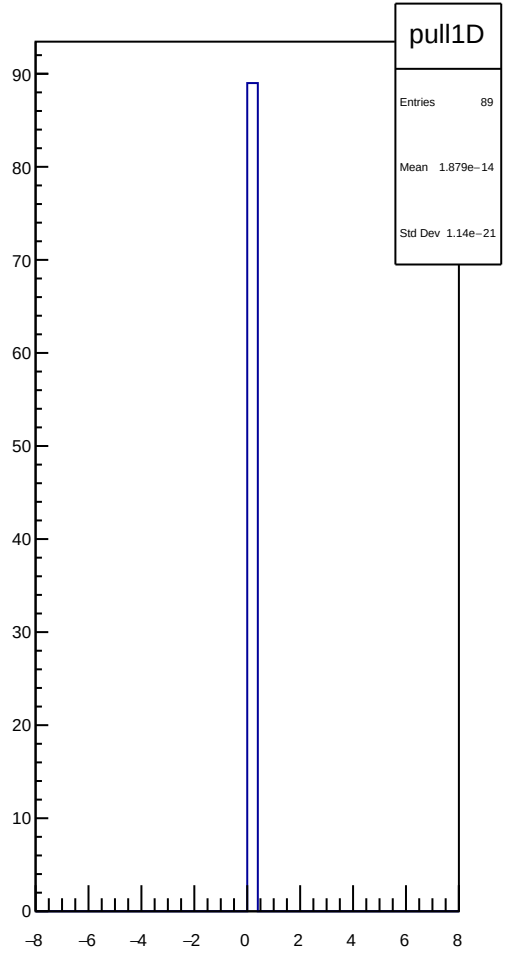


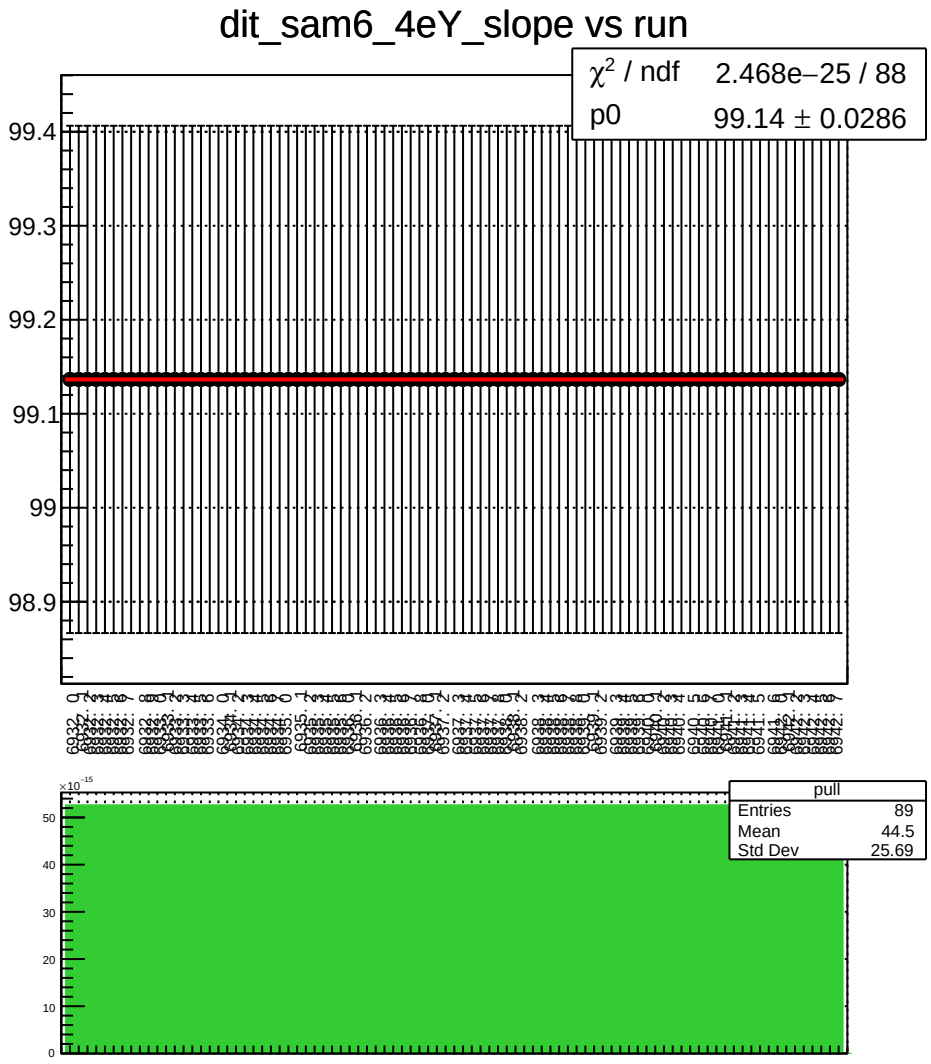


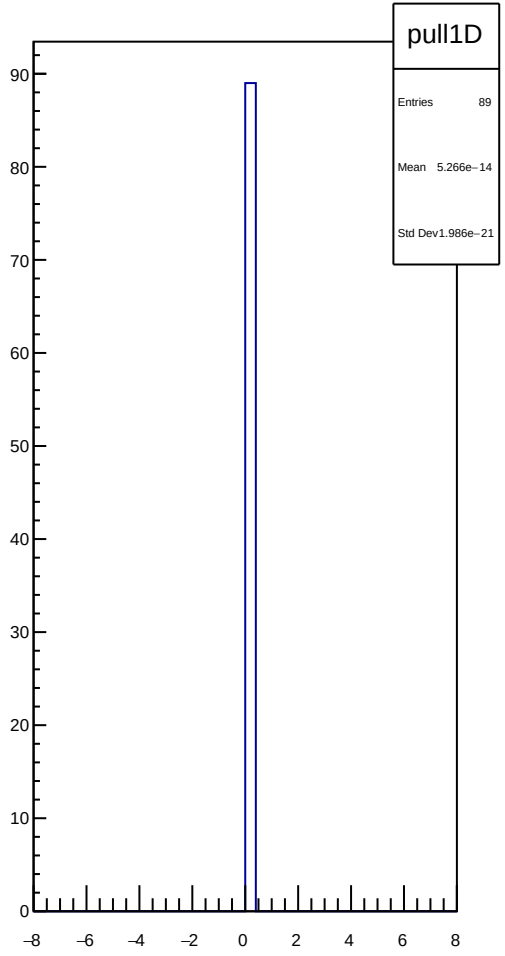

dit_sam6_11X12X_slope vs run
χ^2 / ndf 1.135e−26 / 88
p0 0.6131 ± 0.005211
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−2
−4
−6
−8
−10

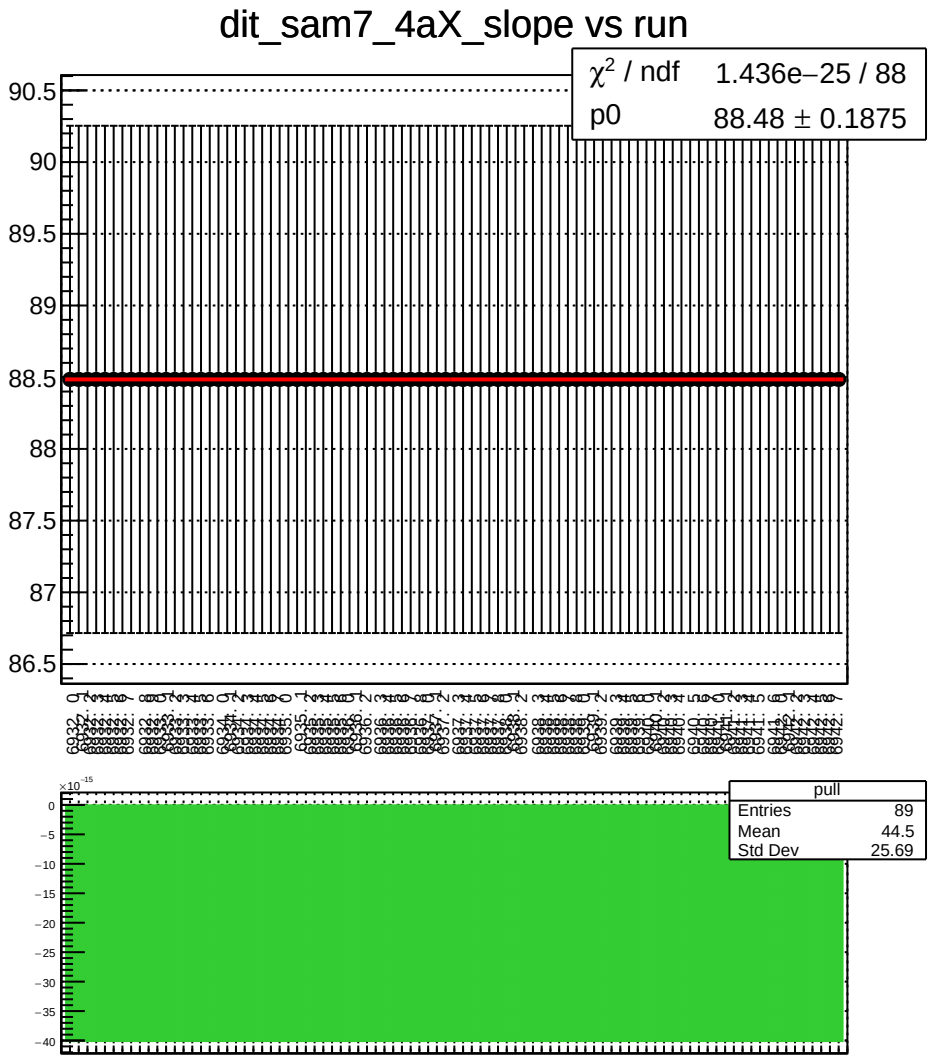

pull1D
Entries 89
Mean −1.129e−14
Std Dev 6.527e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

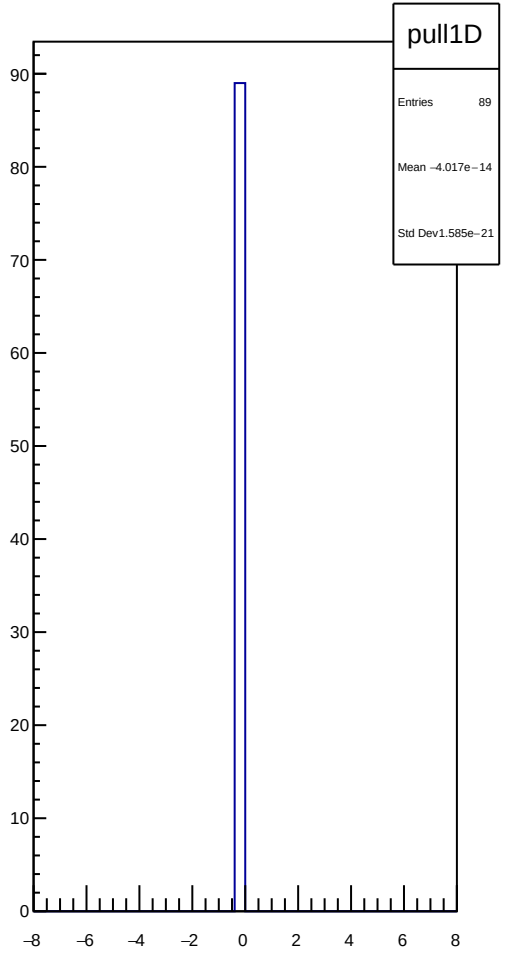

dit_sam6_4aY_slope vs run
χ^2 / ndf 3.143e−26 / 88
p0 17.4 ± 0.02004
17.6
17.55
17.5
17.45
17.4
17.35
17.3
17.25
17.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-15
18
16
14
12
10
8
6
4
2
0

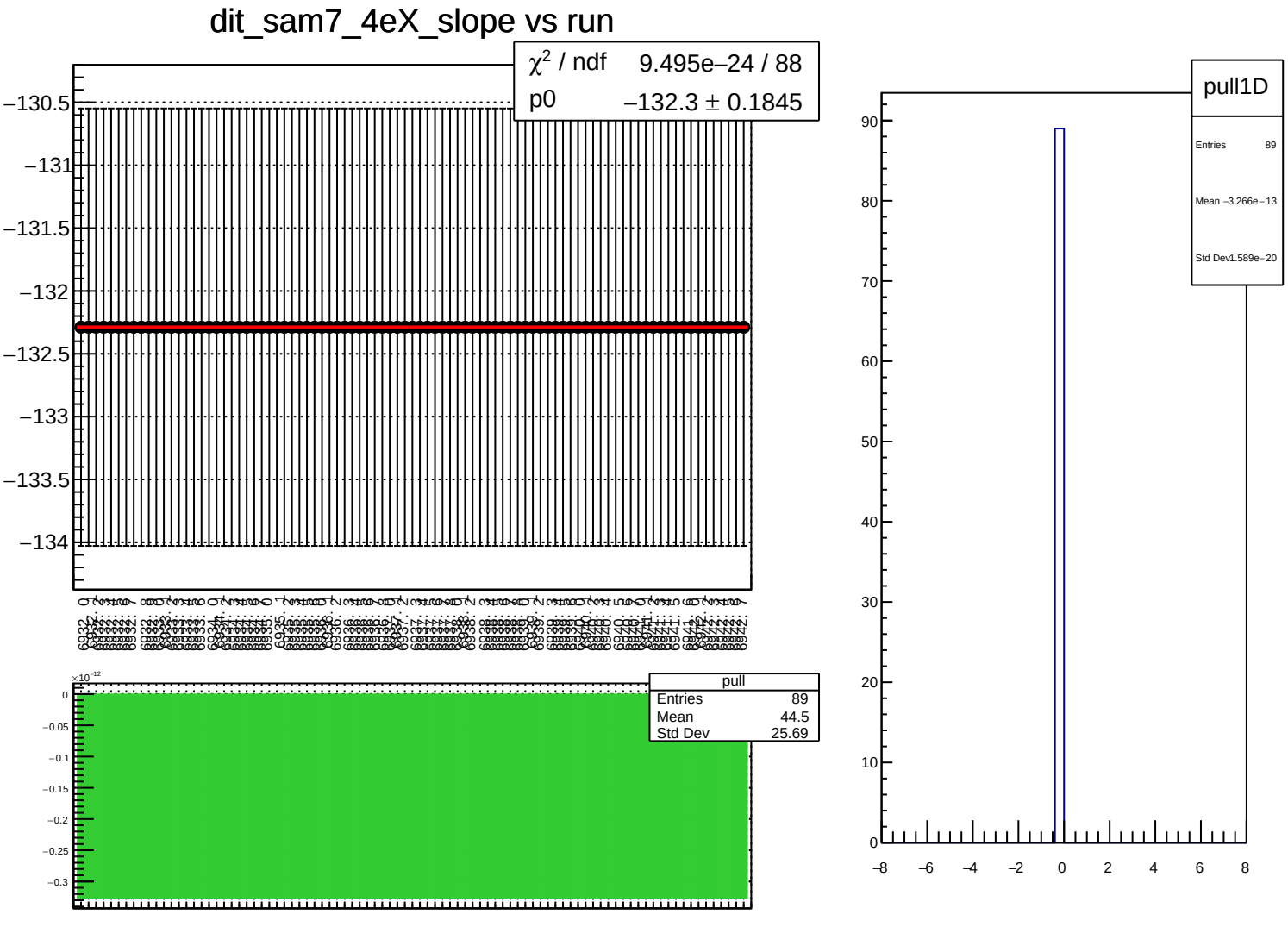

pull1D
Entries 89
Mean 1.879e−14
Std Dev 1.14e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

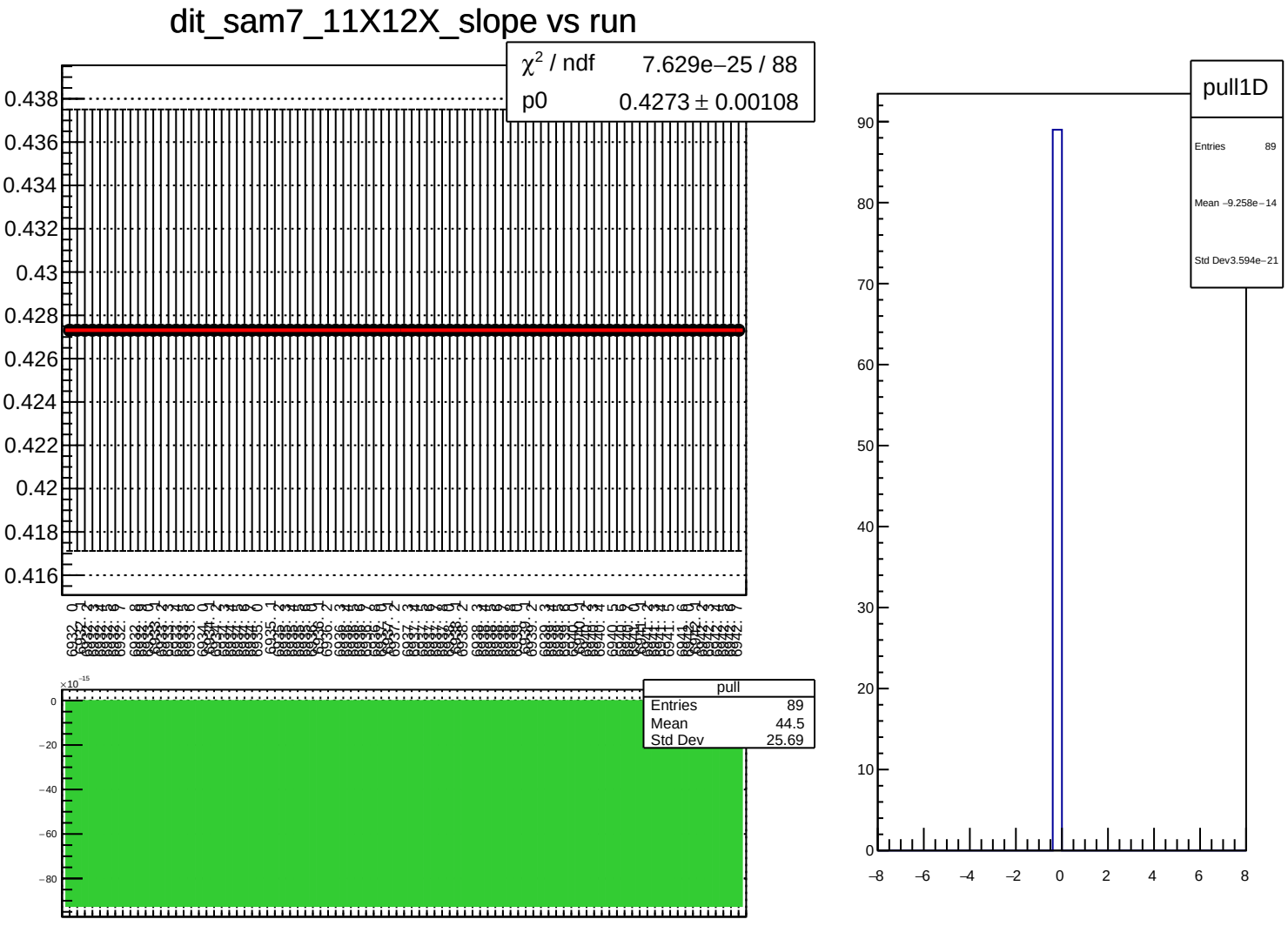

dit_sam6_4eY_slope vs run
χ^2 / ndf 2.468e−25 / 88
p0 99.14 ± 0.0286
99.4
99.3
99.2
99.1
99
98.9
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
50
40
30
20
10
0

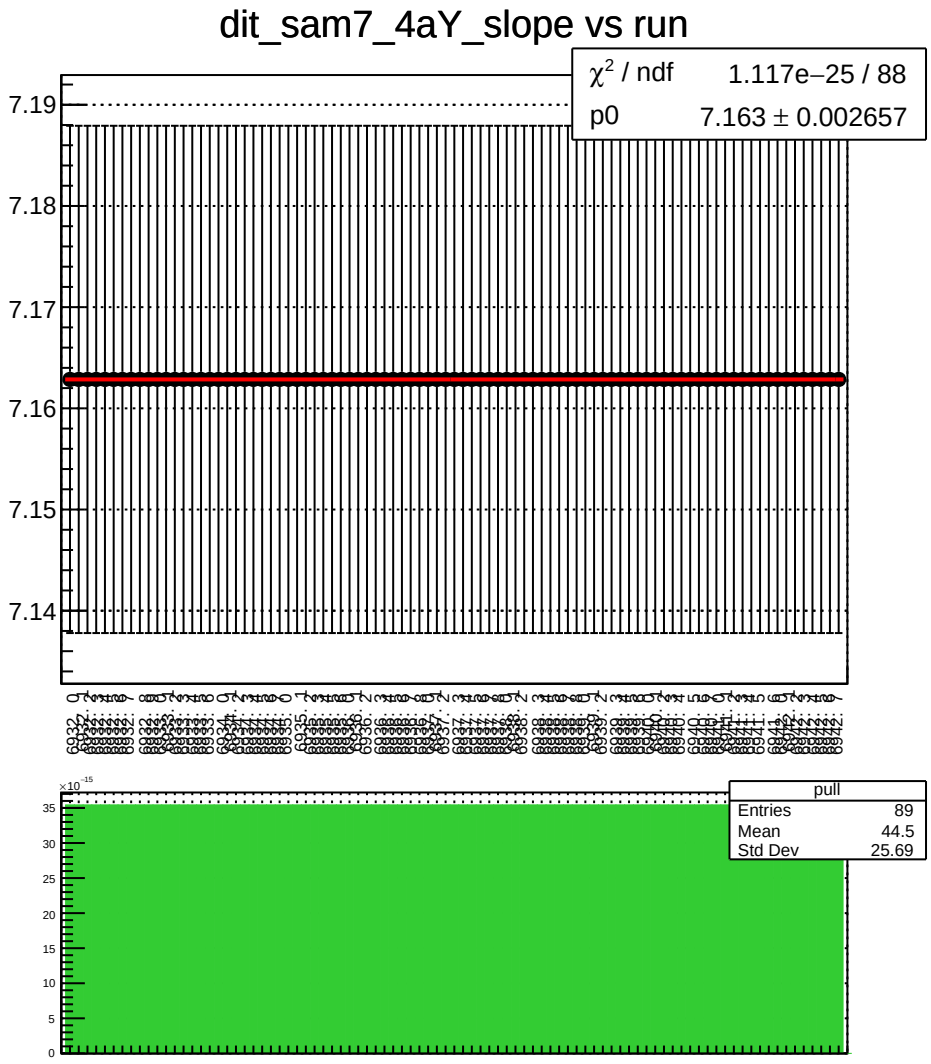

pull1D
Entries 89
Mean 5.266e−14
Std Dev 1.986e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

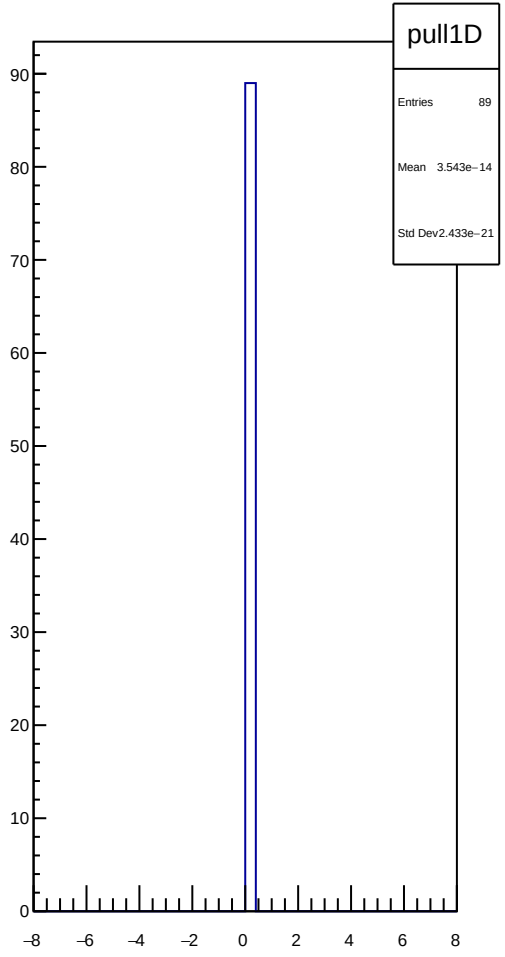

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.436e−25 / 88
p0 88.48 ± 0.1875
90.5
90
89.5
89
88.5
88
87.5
87
86.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

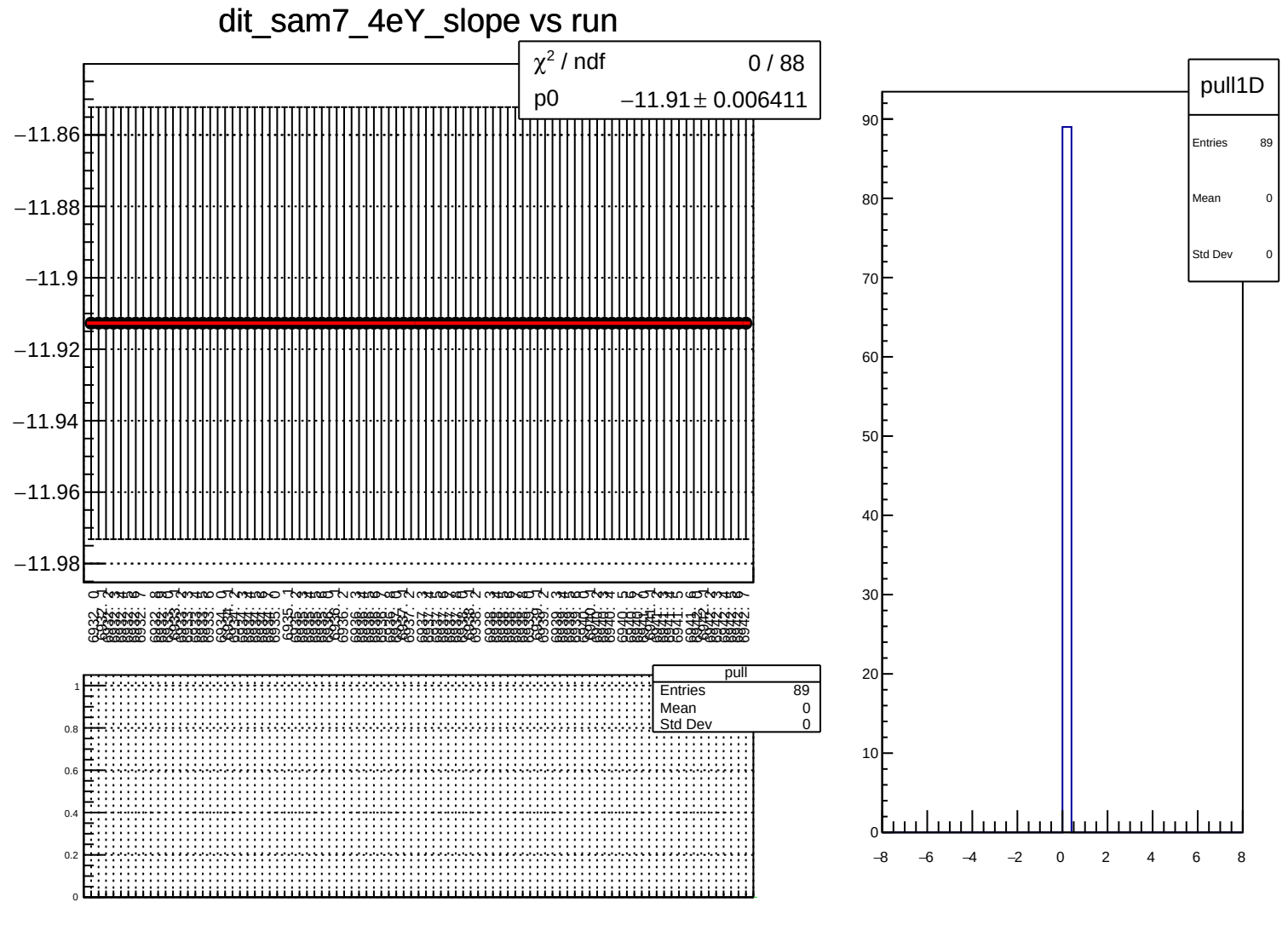

pull1D
Entries 89
Mean −4.017e−14
Std Dev 1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

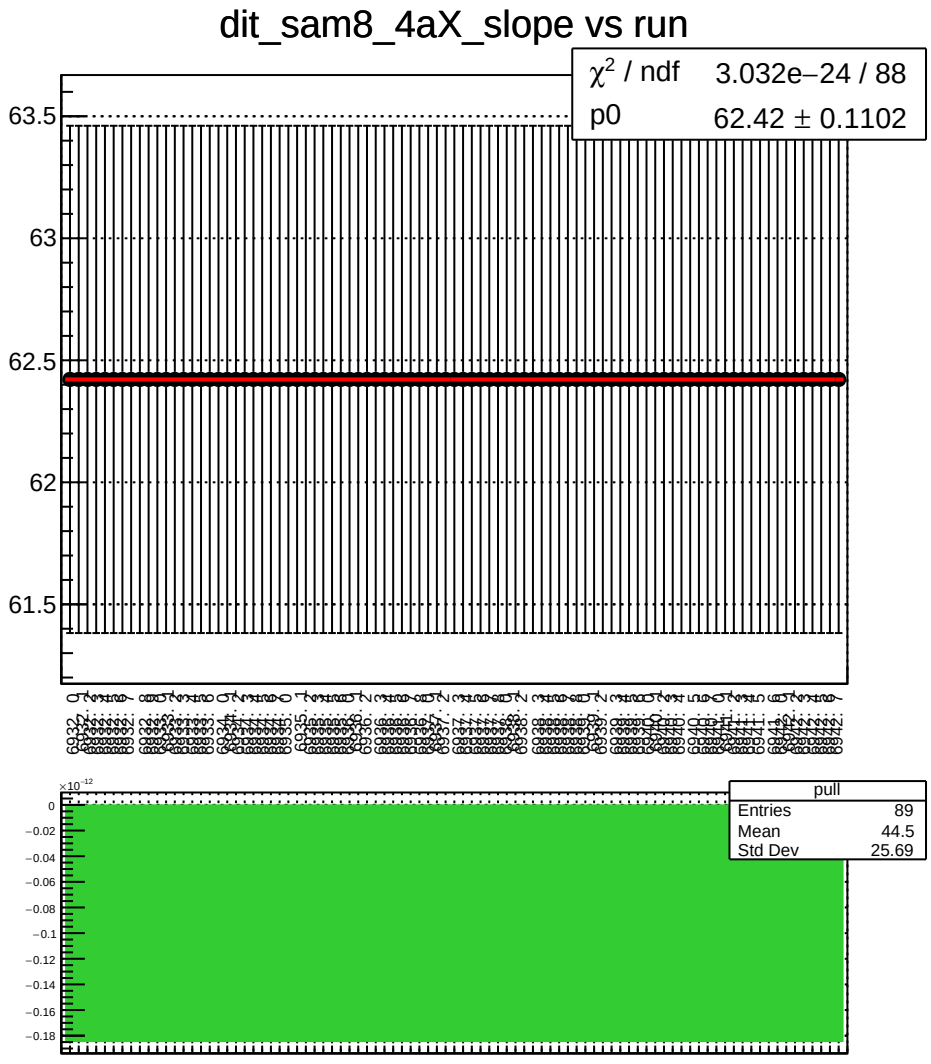

dit_sam7_4eX_slope vs run
χ^2 / ndf 9.495e−24 / 88
p0 −132.3 ± 0.1845
−130.5
−131
−131.5
−132
−132.5
−133
−133.5
−134
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 89
Mean −3.266e−13
Std Dev 1.589e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

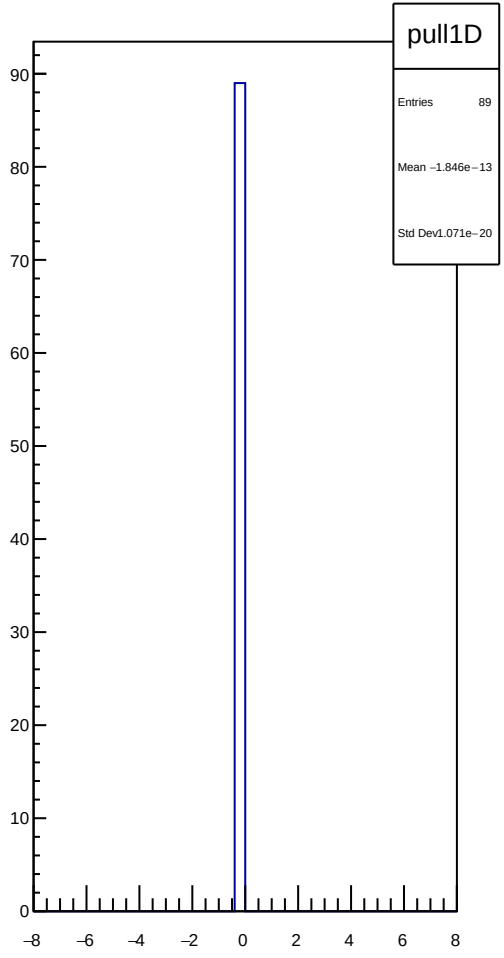

dit_sam7_11X12X_slope vs run
χ^2 / ndf 7.629e−25 / 88
p0 0.4273 ± 0.00108
0.438
0.436
0.434
0.432
0.43
0.428
0.426
0.424
0.422
0.42
0.418
0.416
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
0
−20
−40
−60
−80
pull1D
Entries 89
Mean −9.258e−14
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

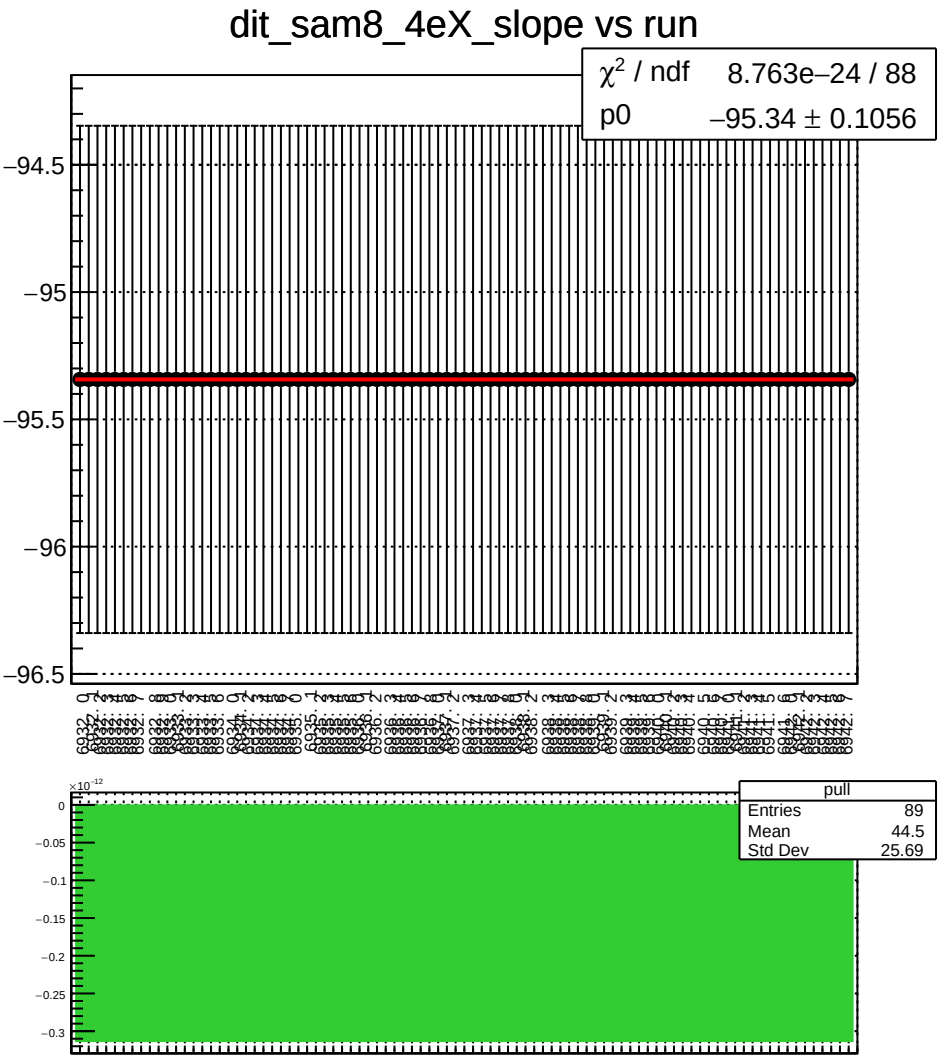

dit_sam7_4aY_slope vs run
χ^2 / ndf 1.117e−25 / 88
p0 7.163 ± 0.002657
7.19
7.18
7.17
7.16
7.15
7.14
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−15
35
30
25
20
15
10
5
0

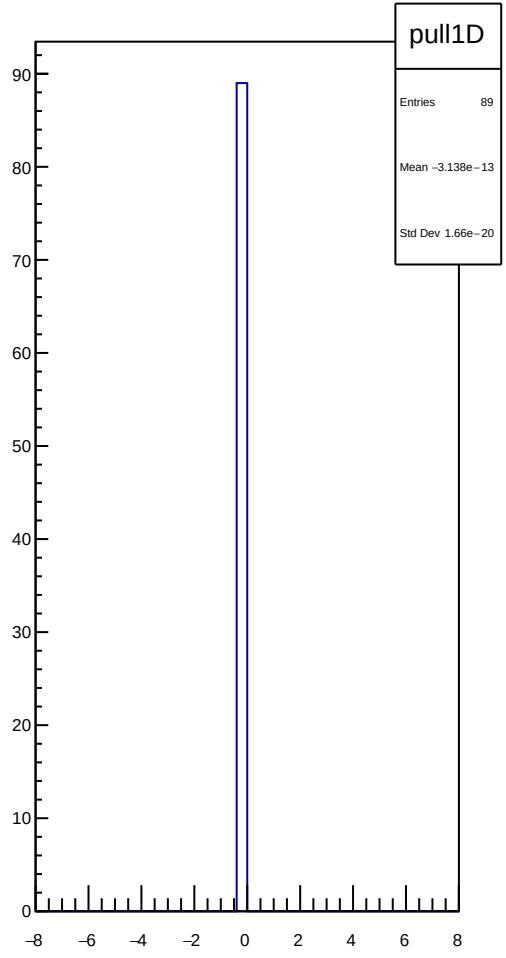

pull1D
Entries 89
Mean 3.543e−14
Std Dev 2.433e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

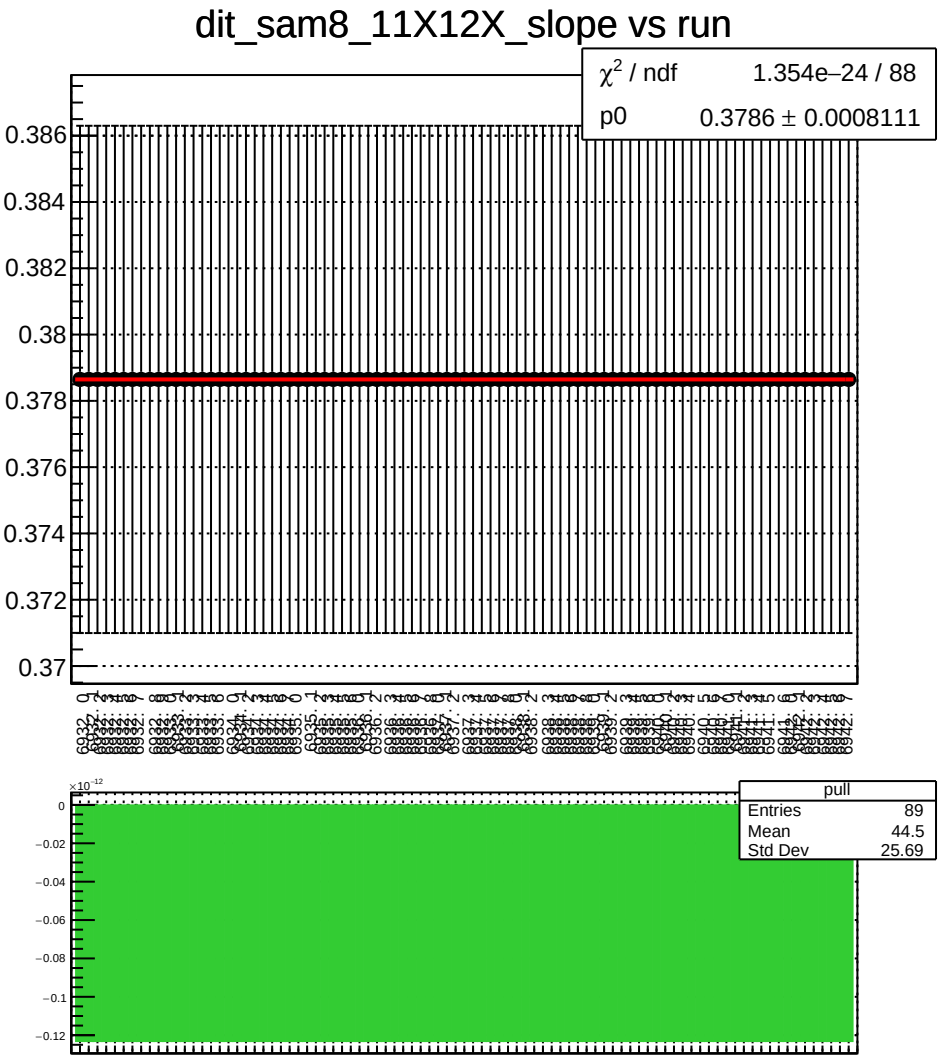

dit_sam7_4eY_slope vs run
χ^2 / ndf 0 / 88
p0 −11.91 ± 0.006411
−11.86
−11.88
−11.9
−11.92
−11.94
−11.96
−11.98
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

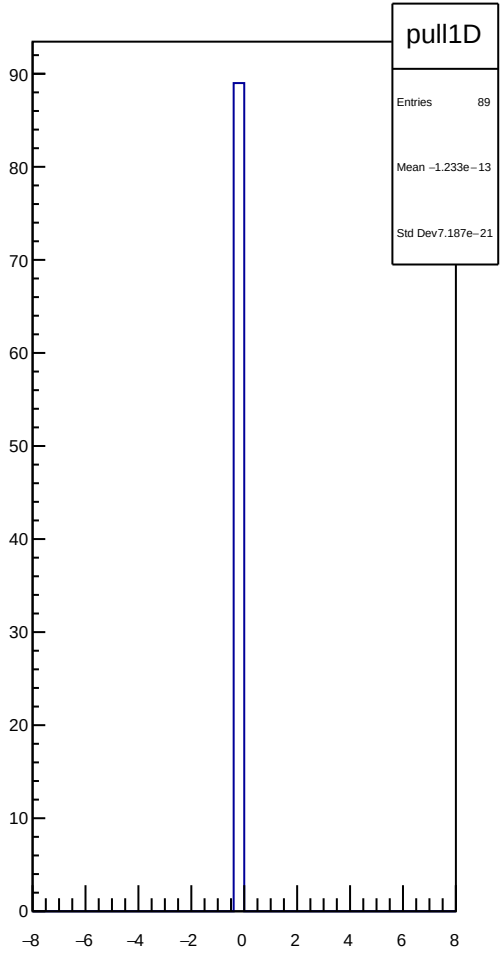

dit_sam8_4aX_slope vs run
χ^2 / ndf 3.032e−24 / 88
p0 62.42 ± 0.1102
63.5
63
62.5
62
61.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

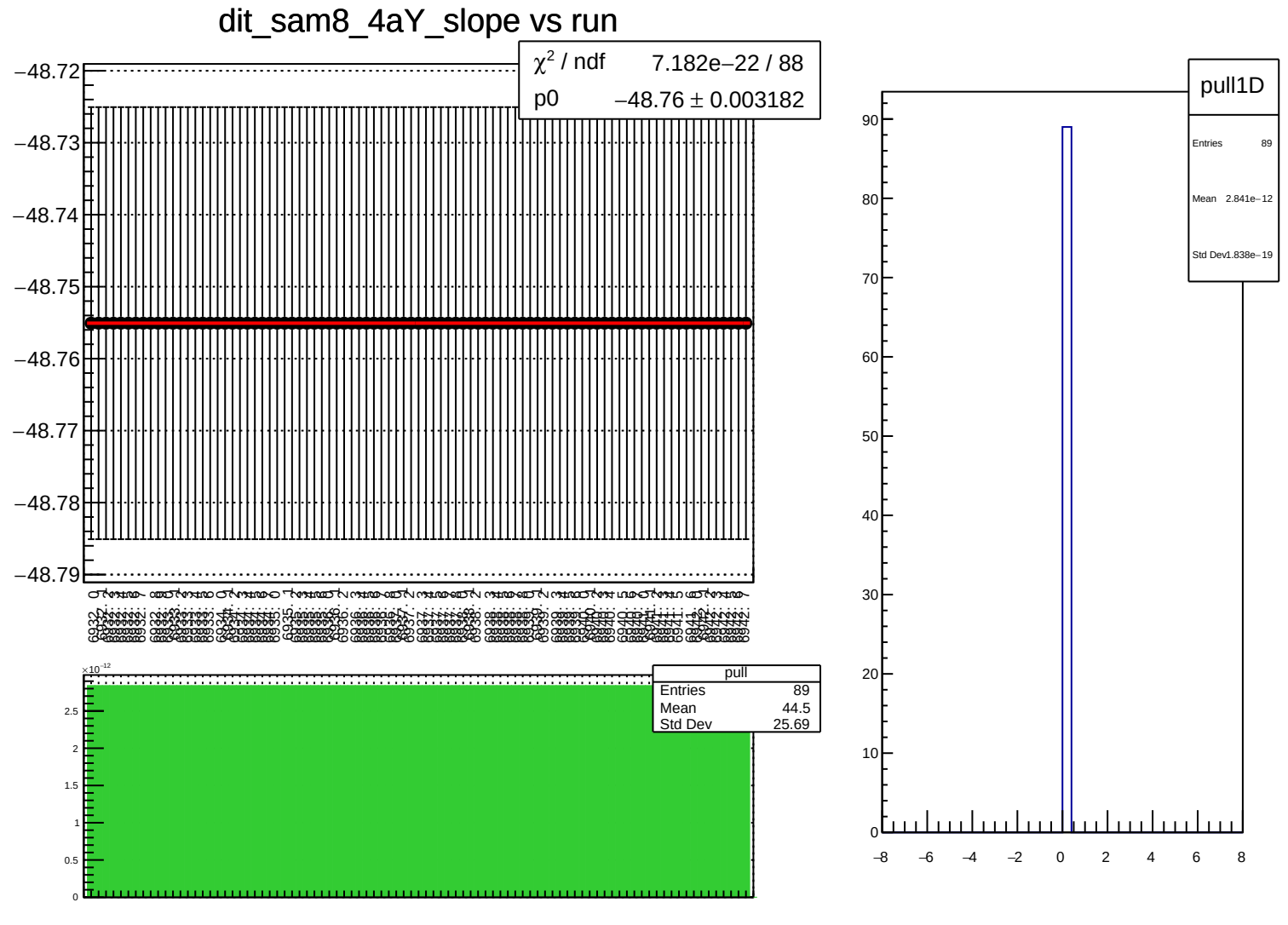

pull1D
Entries 89
Mean −1.846e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

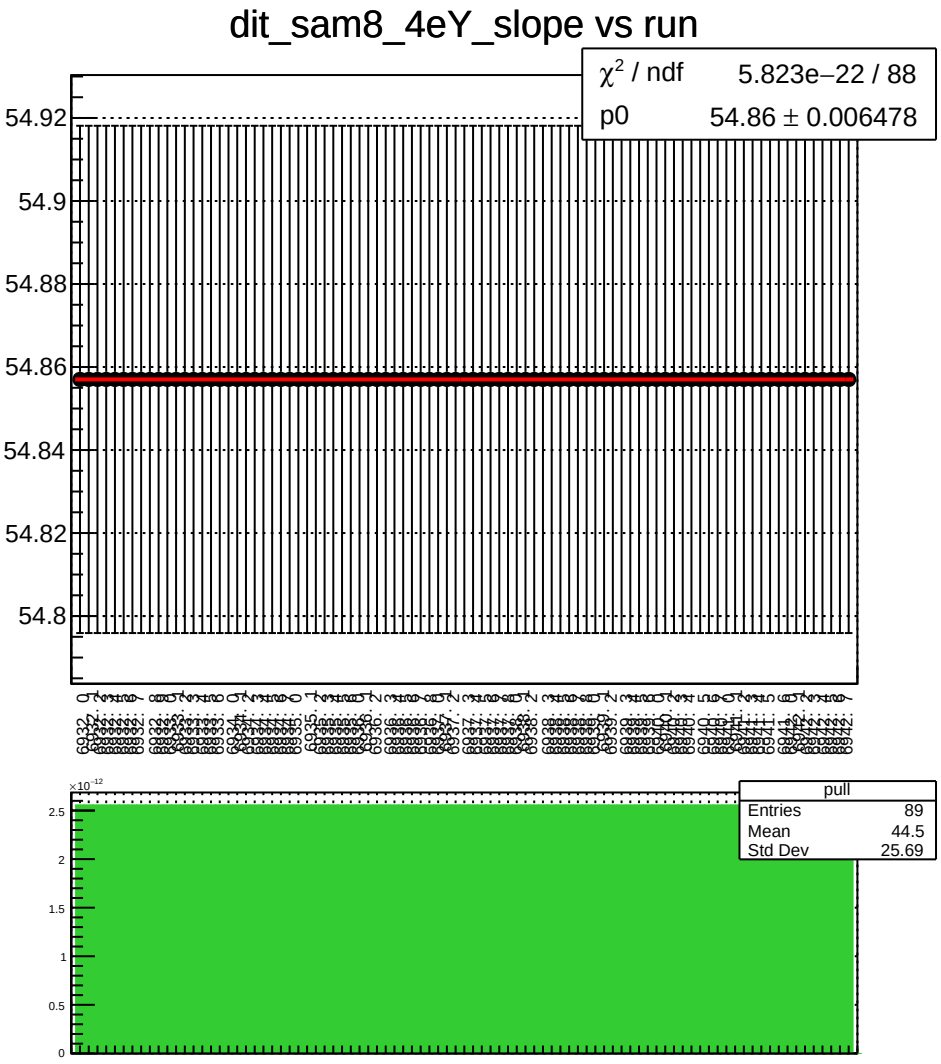

dit_sam8_4eX_slope vs run
χ^2 / ndf 8.763e−24 / 88
p0 −95.34 ± 0.1056
−94.5
−95
−95.5
−96
−96.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

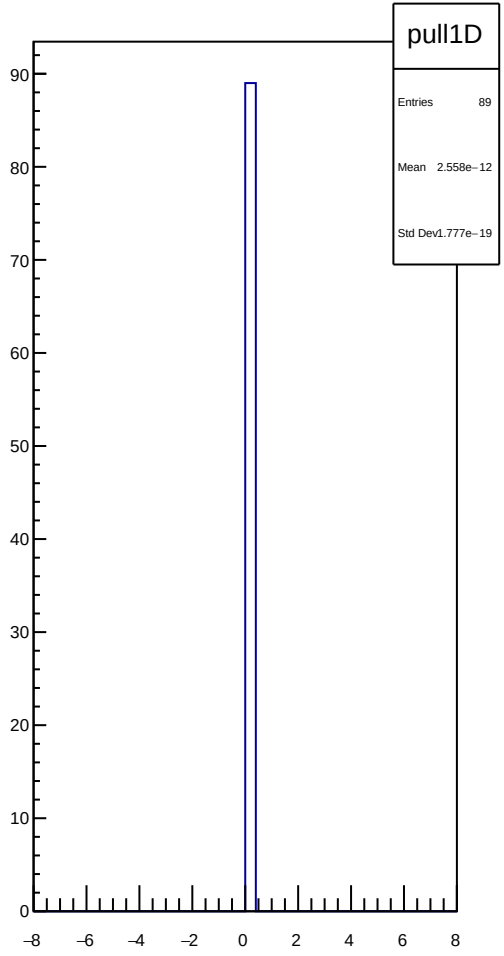

pull1D
Entries 89
Mean −3.138e−13
Std Dev 1.66e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

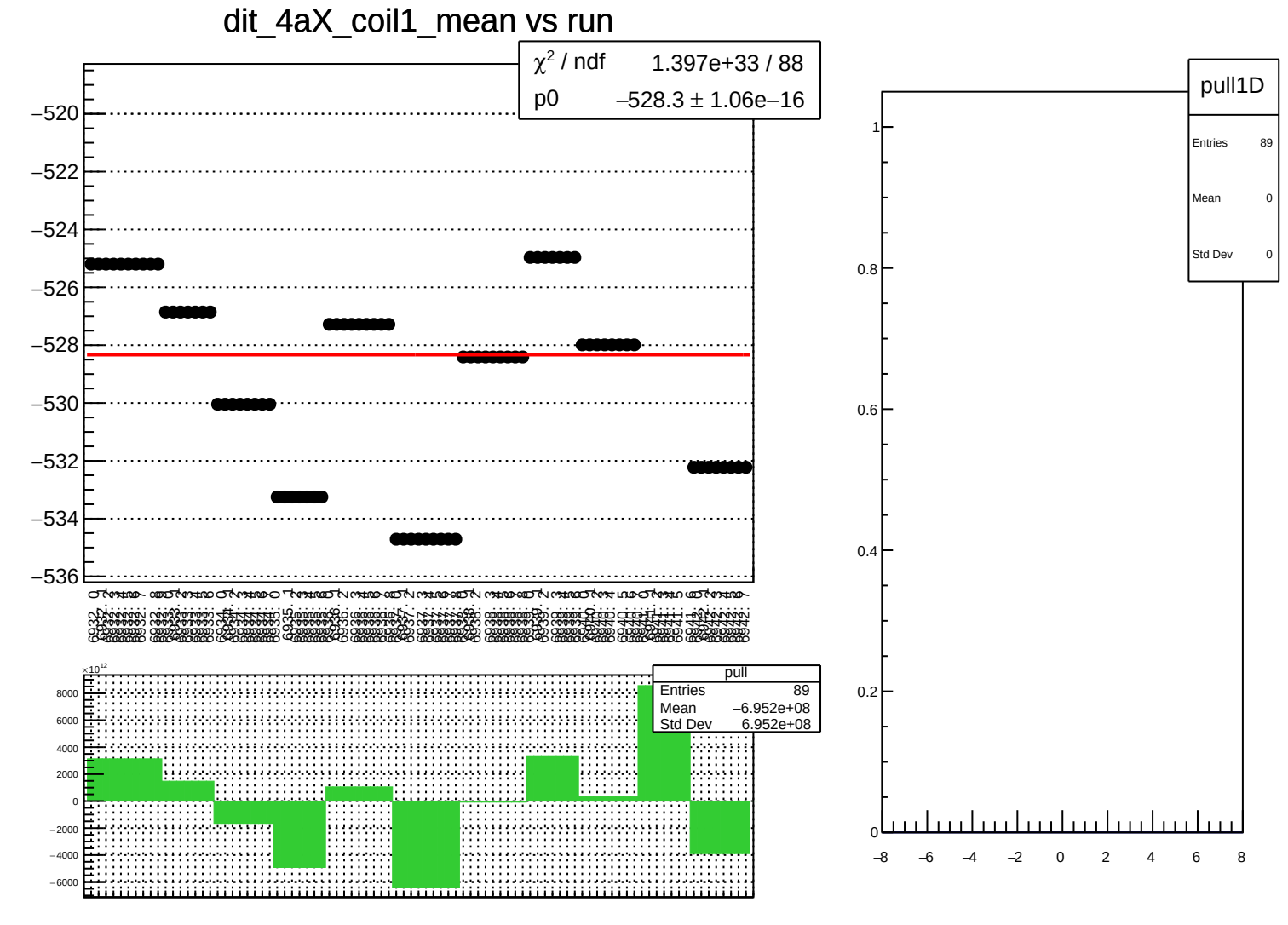

dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.354e−24 / 88
p0 0.3786 ± 0.0008111
0.386
0.384
0.382
0.38
0.378
0.376
0.374
0.372
0.37
pull
Entries 89
Mean 44.5
Std Dev 25.69
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

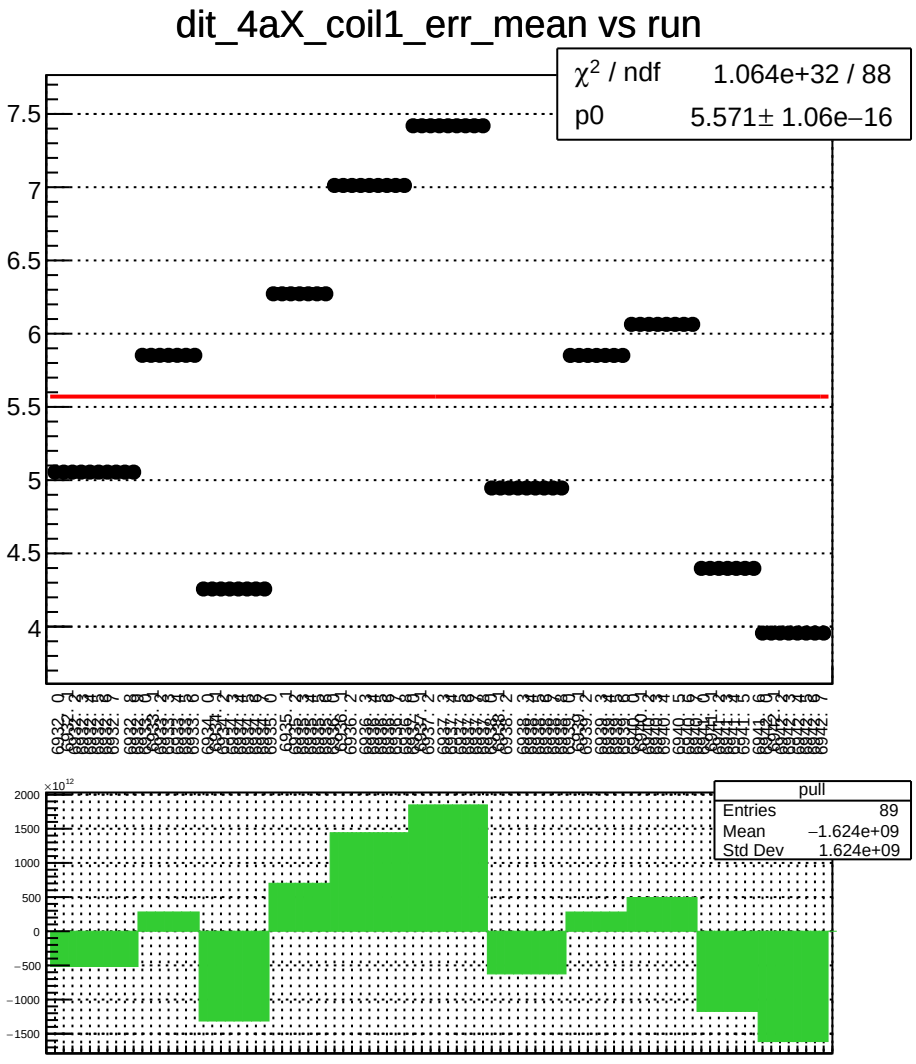

pull1D
Entries 89
Mean −1.233e−13
Std Dev 7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

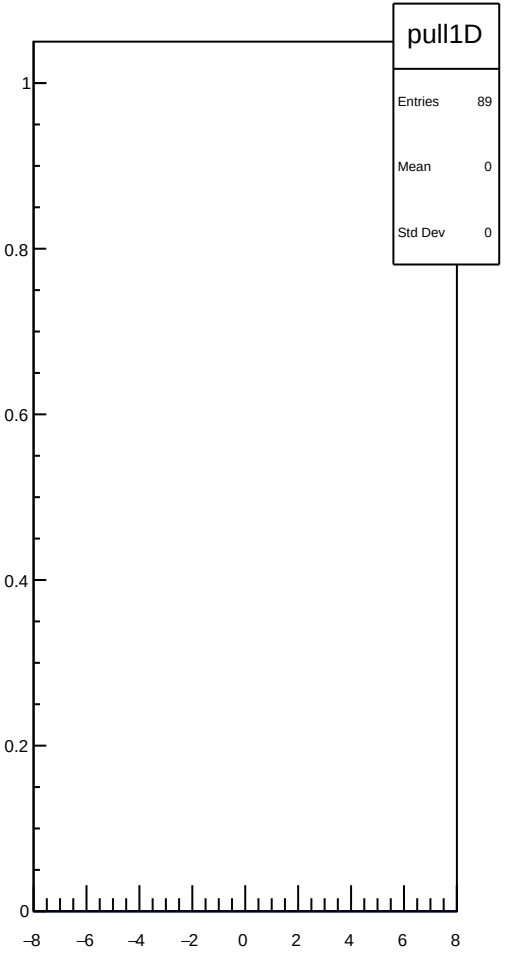

dit_sam8_4aY_slope vs run
χ^2 / ndf 7.182e−22 / 88
p0 −48.76 ± 0.003182
−48.72
−48.73
−48.74
−48.75
−48.76
−48.77
−48.78
−48.79
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^−12
2.5
2
1.5
1
0.5
0
pull1D
Entries 89
Mean 2.841e−12
Std Dev 1.838e−19
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eY_slope vs run
χ² / ndf 5.823e−22 / 88
p0 54.86 ± 0.006478
54.92
54.9
54.88
54.86
54.84
54.82
54.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
2.5
2
1.5
1
0.5
0

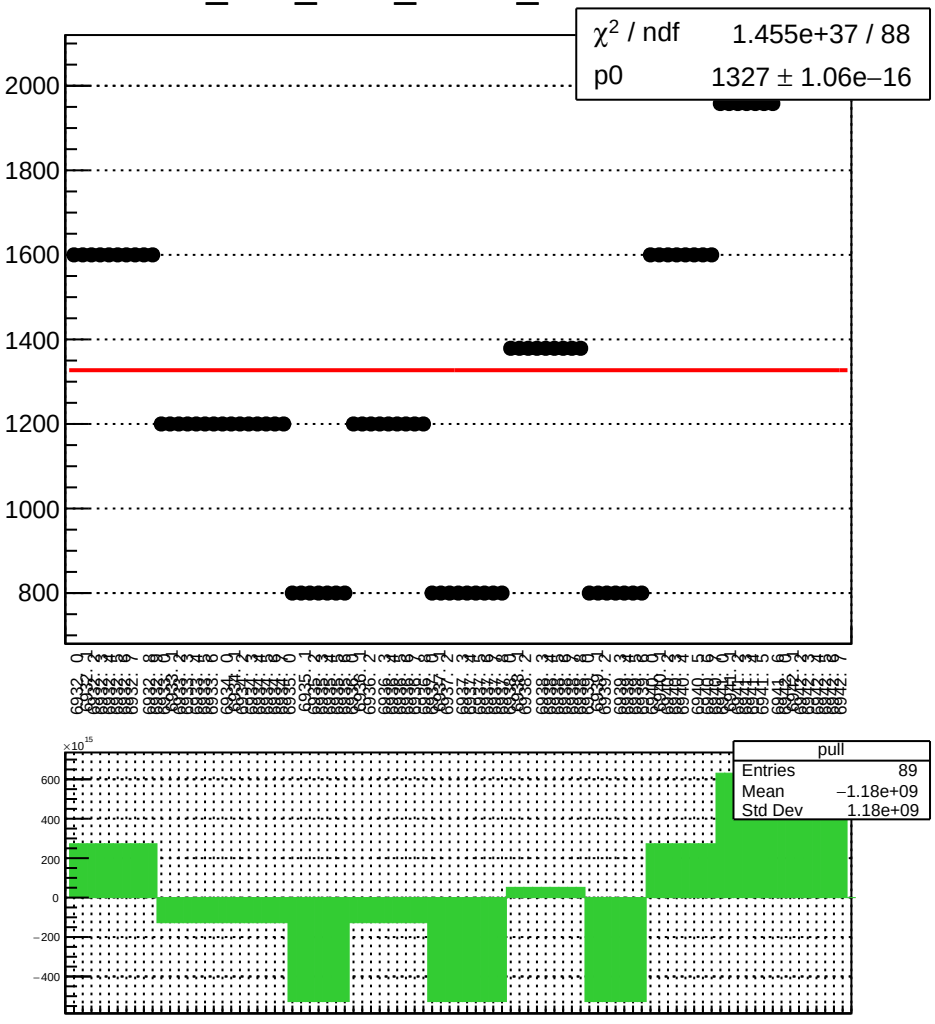

pull1D
Entries 89
Mean 2.558e−12
Std Dev 1.777e−19
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

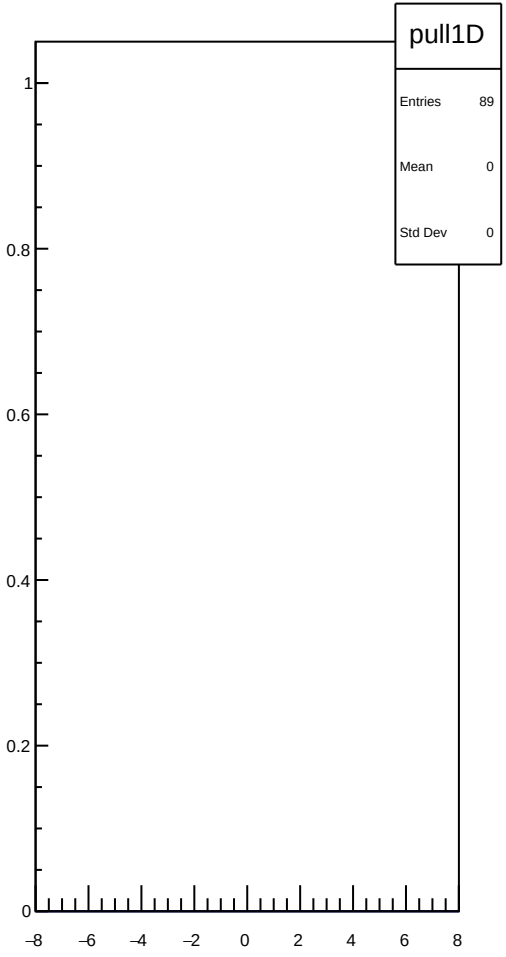

dit_4aX_coil1_mean vs run
χ^2 / ndf 1.397e+33 / 88
p0 –528.3 ± 1.06e–16
pull
Entries 89
Mean –6.952e+08
Std Dev 6.952e+08
pull1D
Entries 89
Mean 0
Std Dev 0

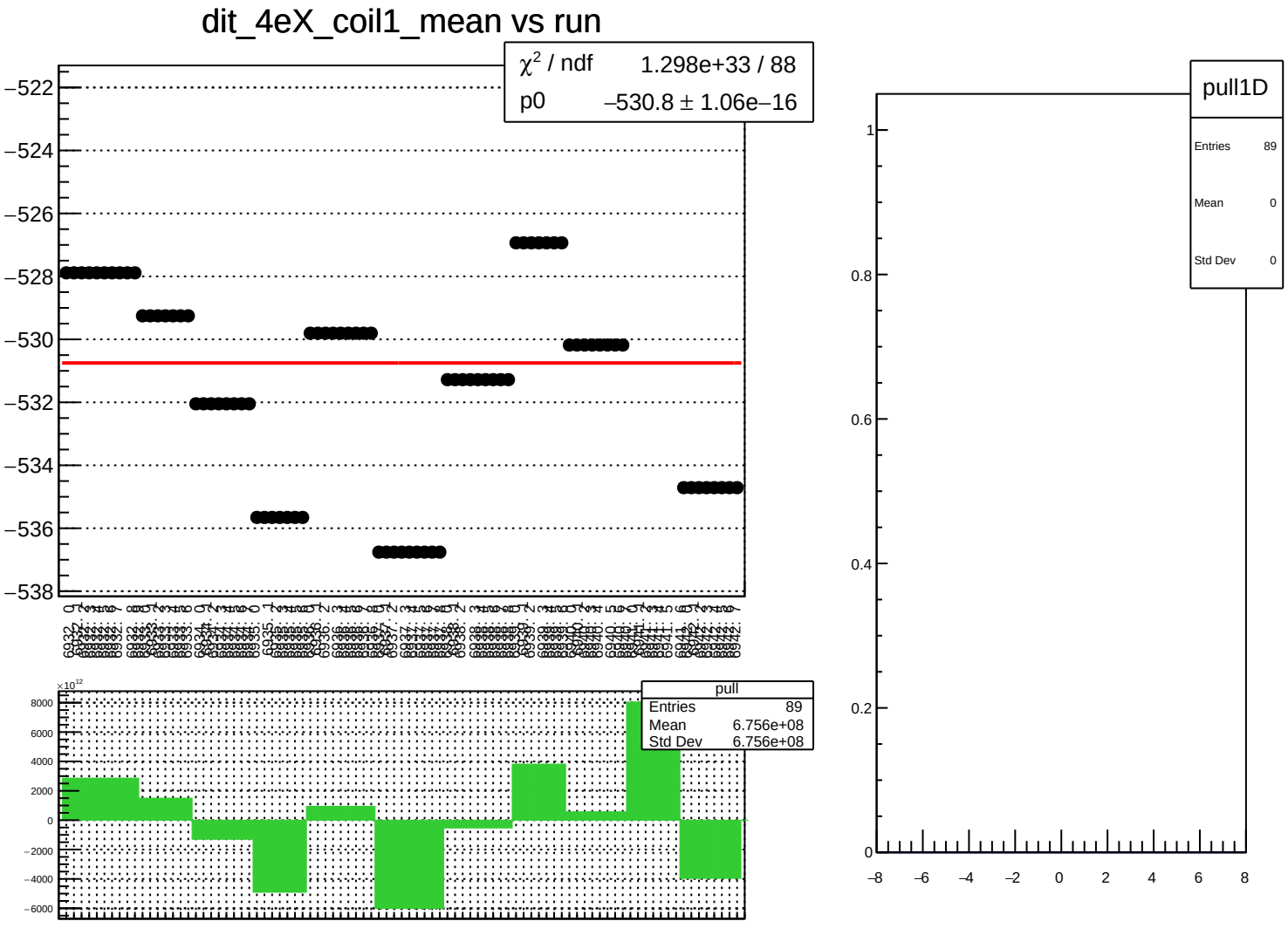

dit_4aX_coil1_err_mean vs run
χ² / ndf 1.064e+32 / 88
p0 5.571± 1.06e−16
pull
Entries 89
Mean −1.624e+09
Std Dev 1.624e+09

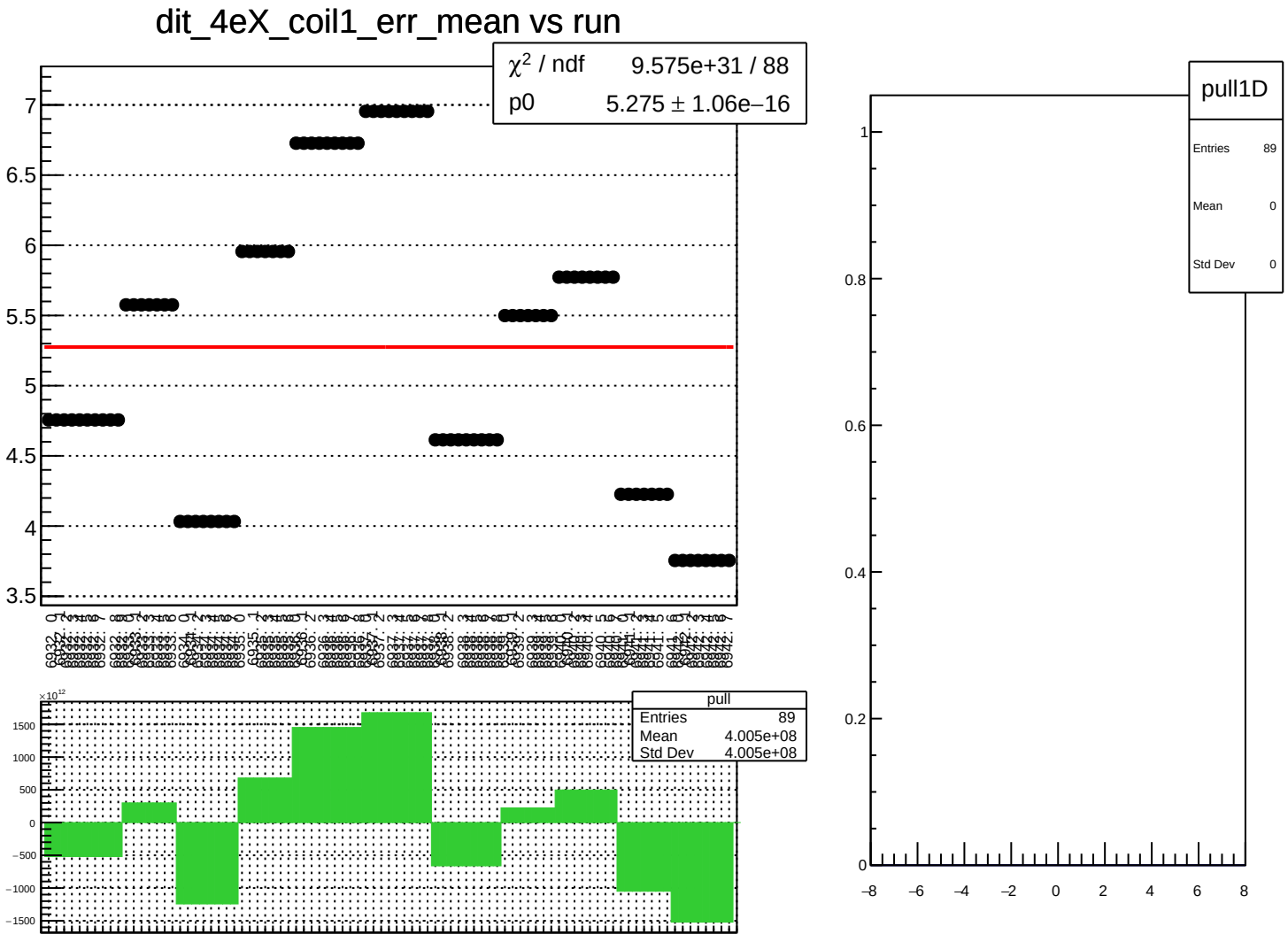

pull1D
Entries 89
Mean 0
Std Dev 0

dit_4aX_coil1_Ndata_mean vs run

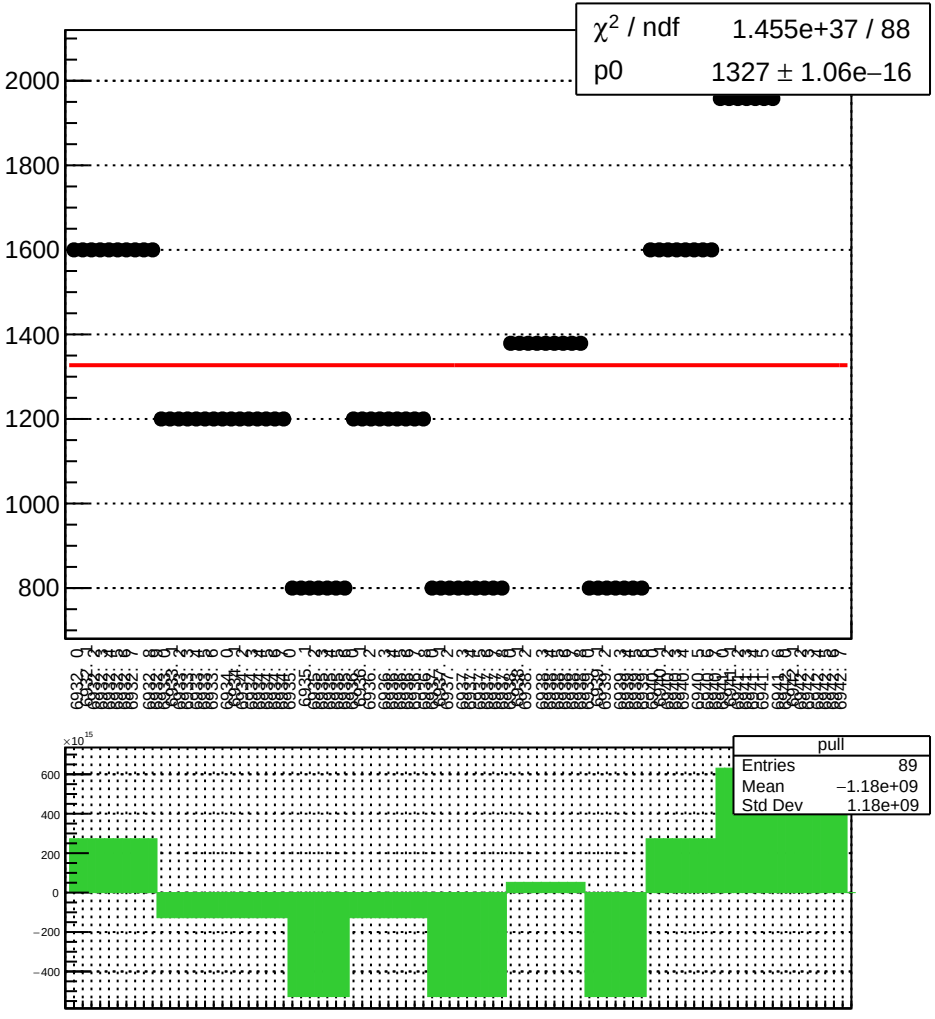


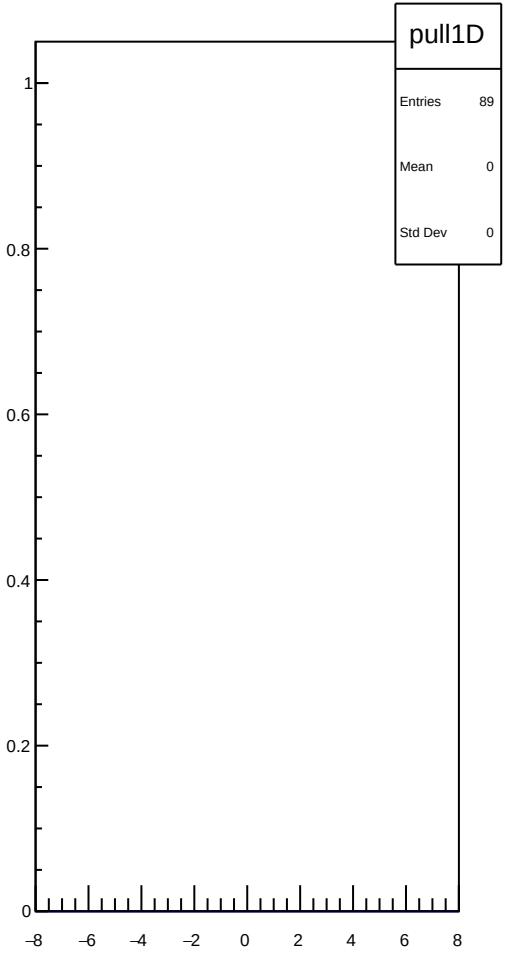


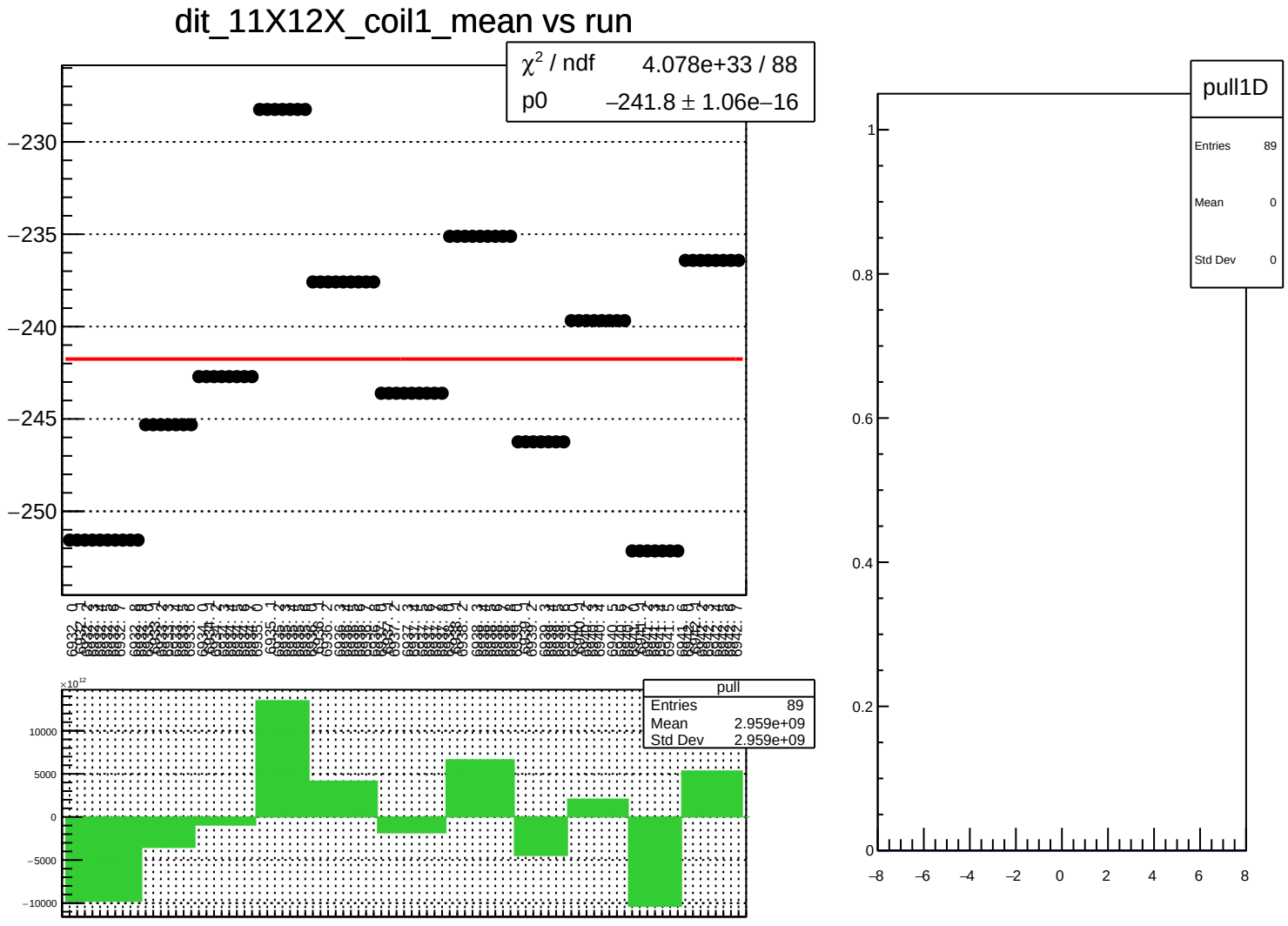

dit_4eX_coil1_mean vs run
χ^2 / ndf 1.298e+33 / 88
p0 –530.8 ± 1.06e–16
pull
Entries 89
Mean 6.756e+08
Std Dev 6.756e+08
pull1D
Entries 89
Mean 0
Std Dev 0


dit_4eX_coil1_err_mean vs run
χ² / ndf 9.575e+31 / 88
p0 5.275 ± 1.06e−16
pull
Entries 89
Mean 4.005e+08
Std Dev 4.005e+08
pull1D
Entries 89
Mean 0
Std Dev 0

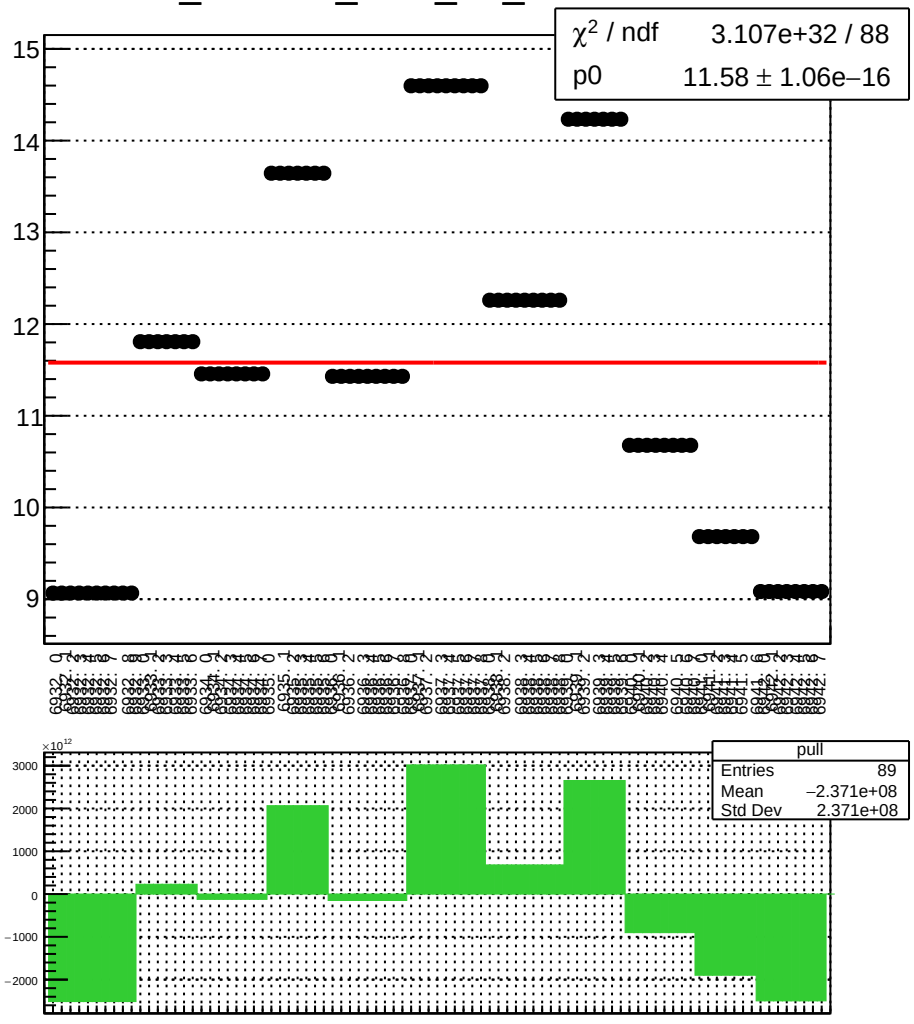
dit_4eX_coil1_Ndata_mean vs run

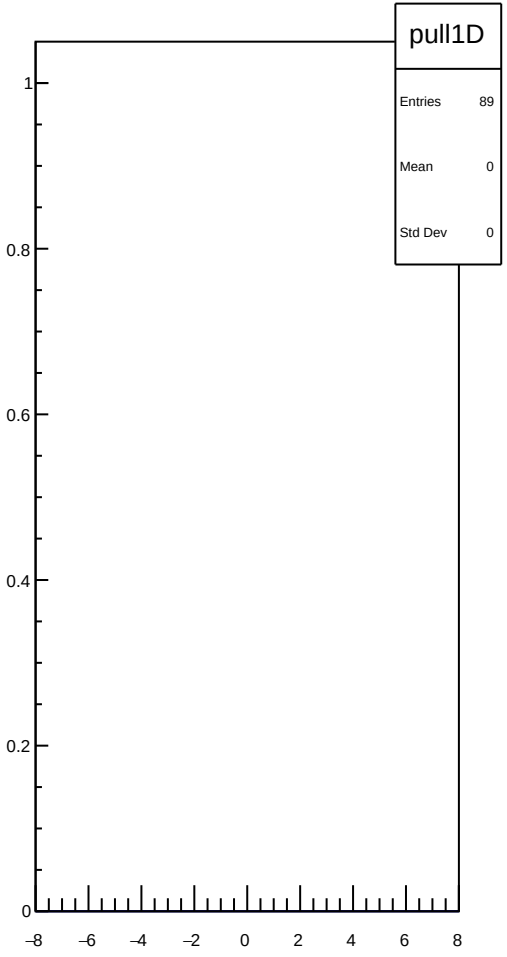


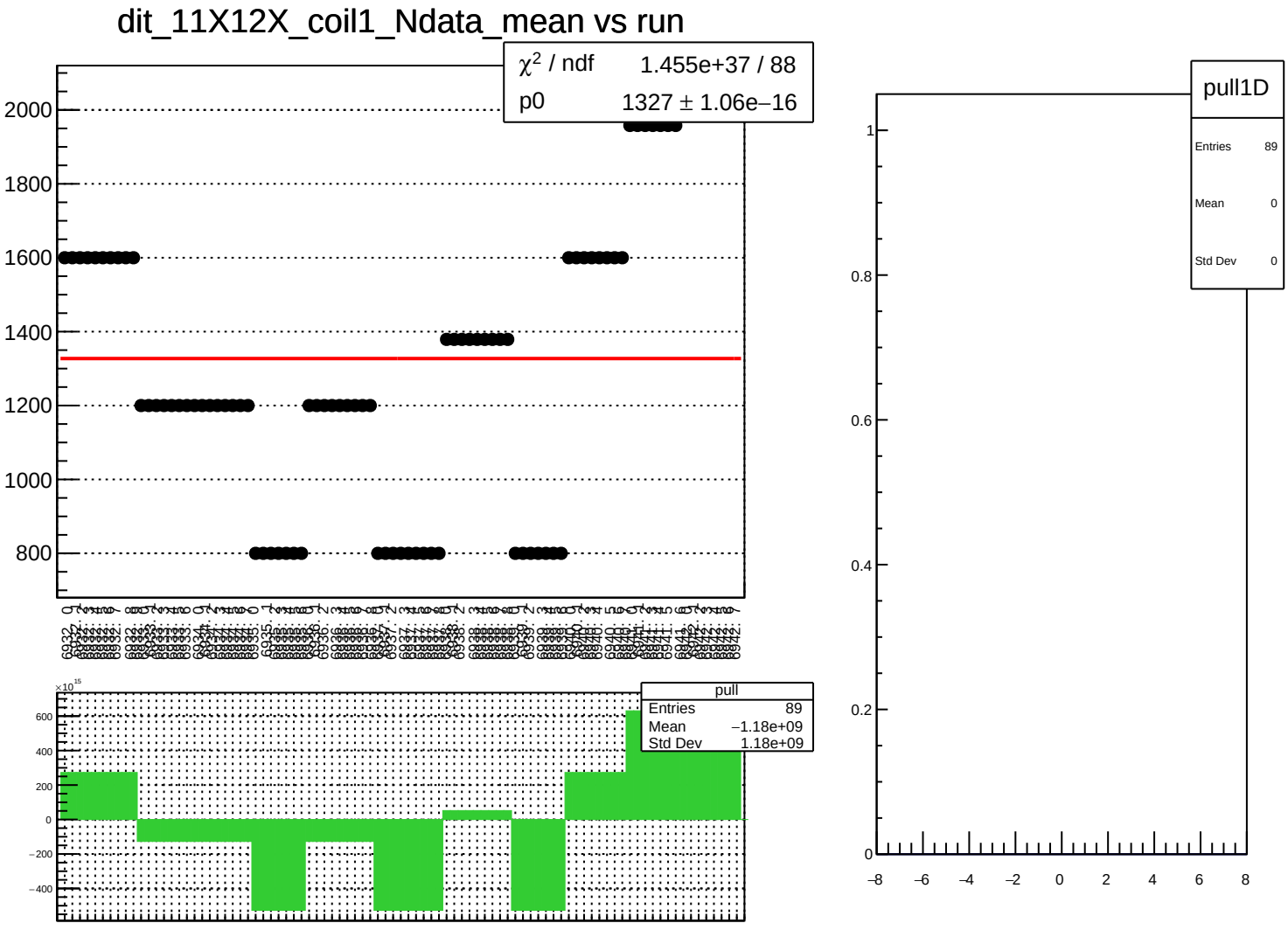


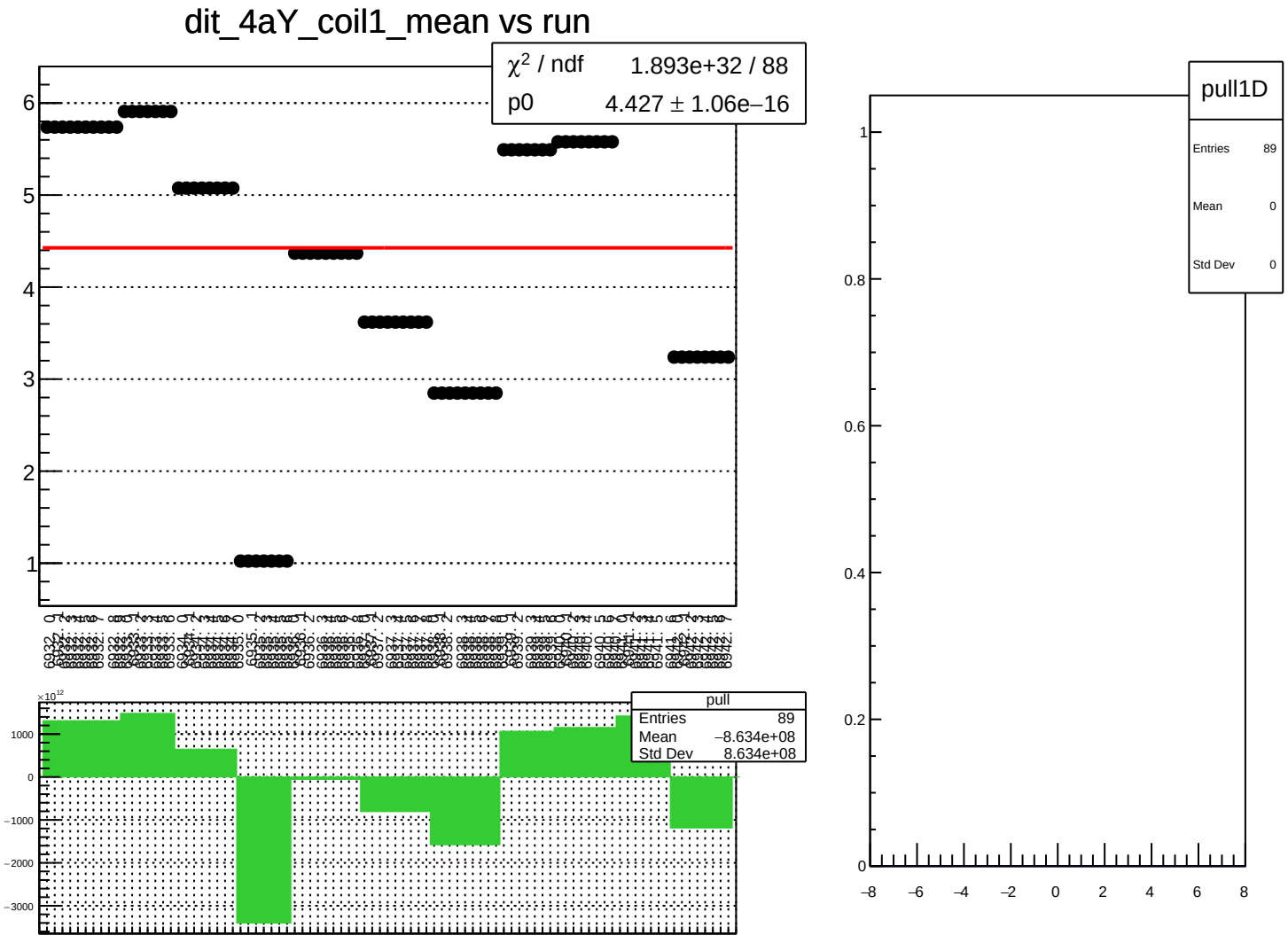

dit_11X12X_coil1_mean vs run
χ² / ndf 4.078e+33 / 88
p0 –241.8 ± 1.06e–16
–230
–235
–240
–245
–250
pull
Entries 89
Mean 2.959e+09
Std Dev 2.959e+09
×10¹²
10000
5000
0
–5000
–10000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

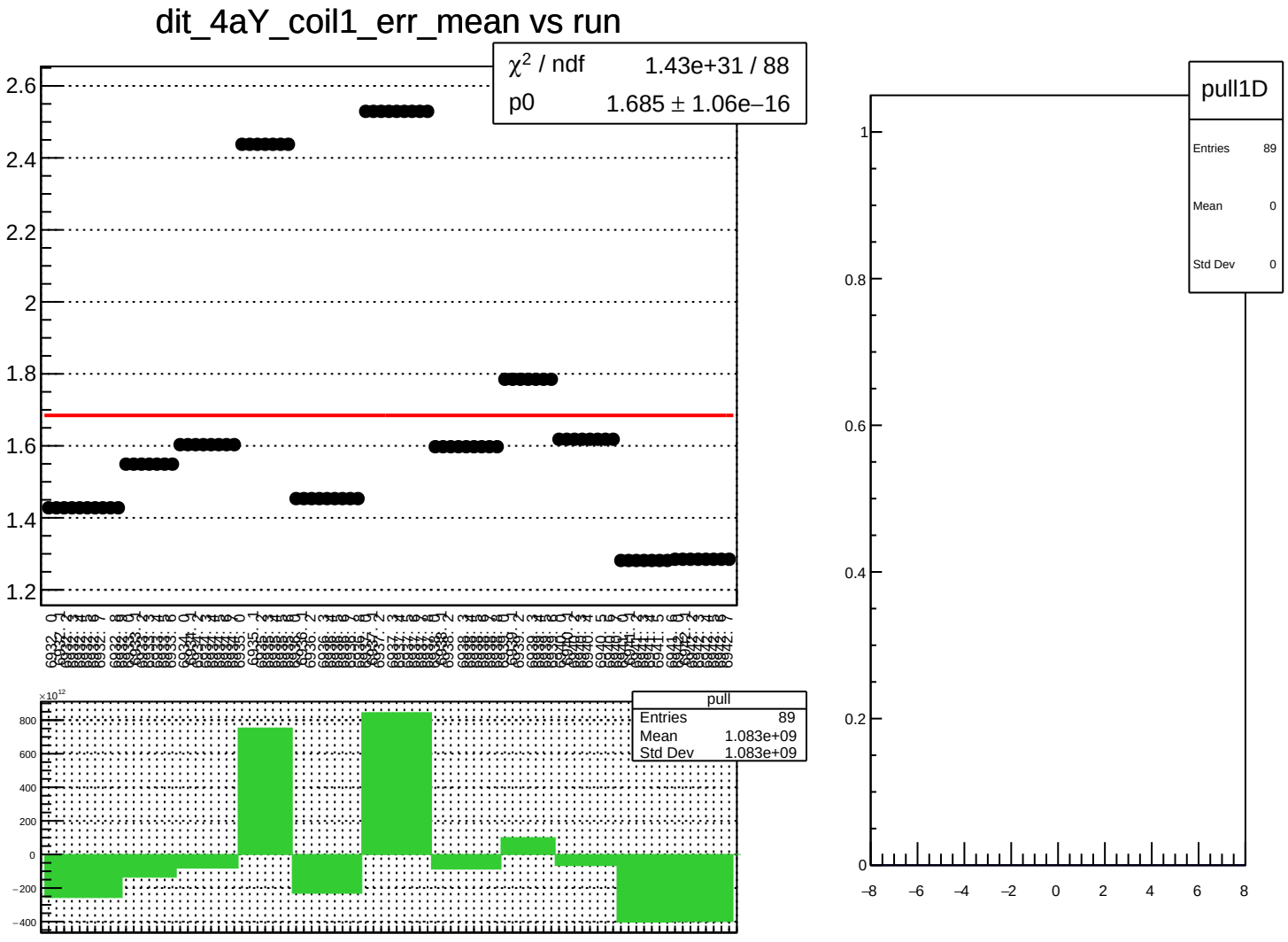
dit_11X12X_coil1_err_mean vs run



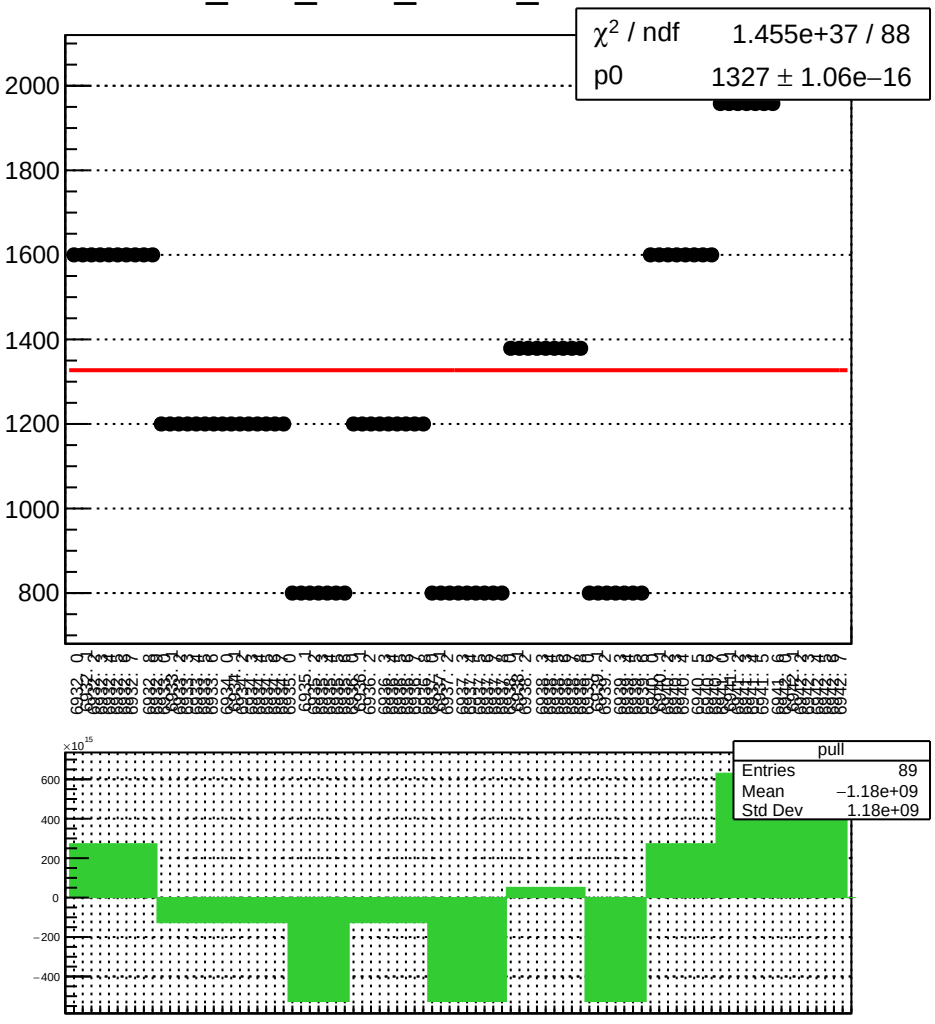


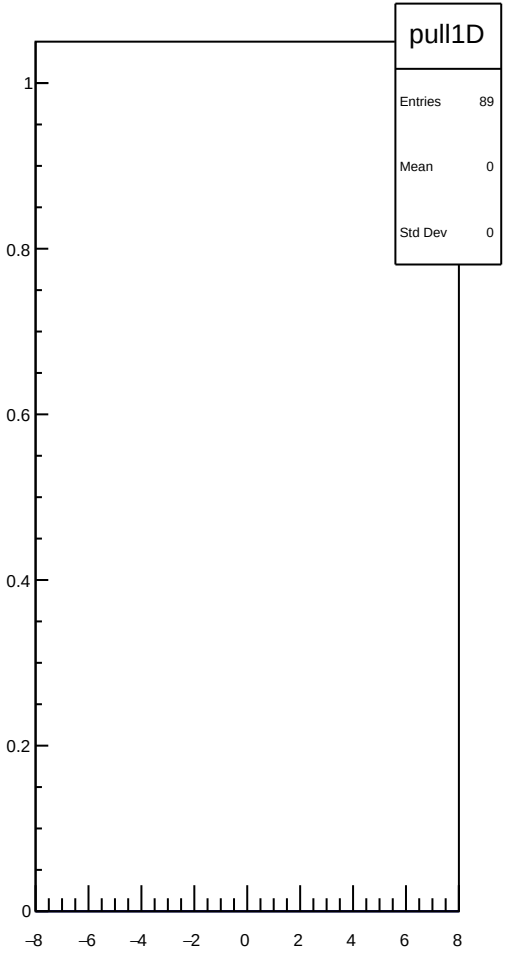

dit_11X12X_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

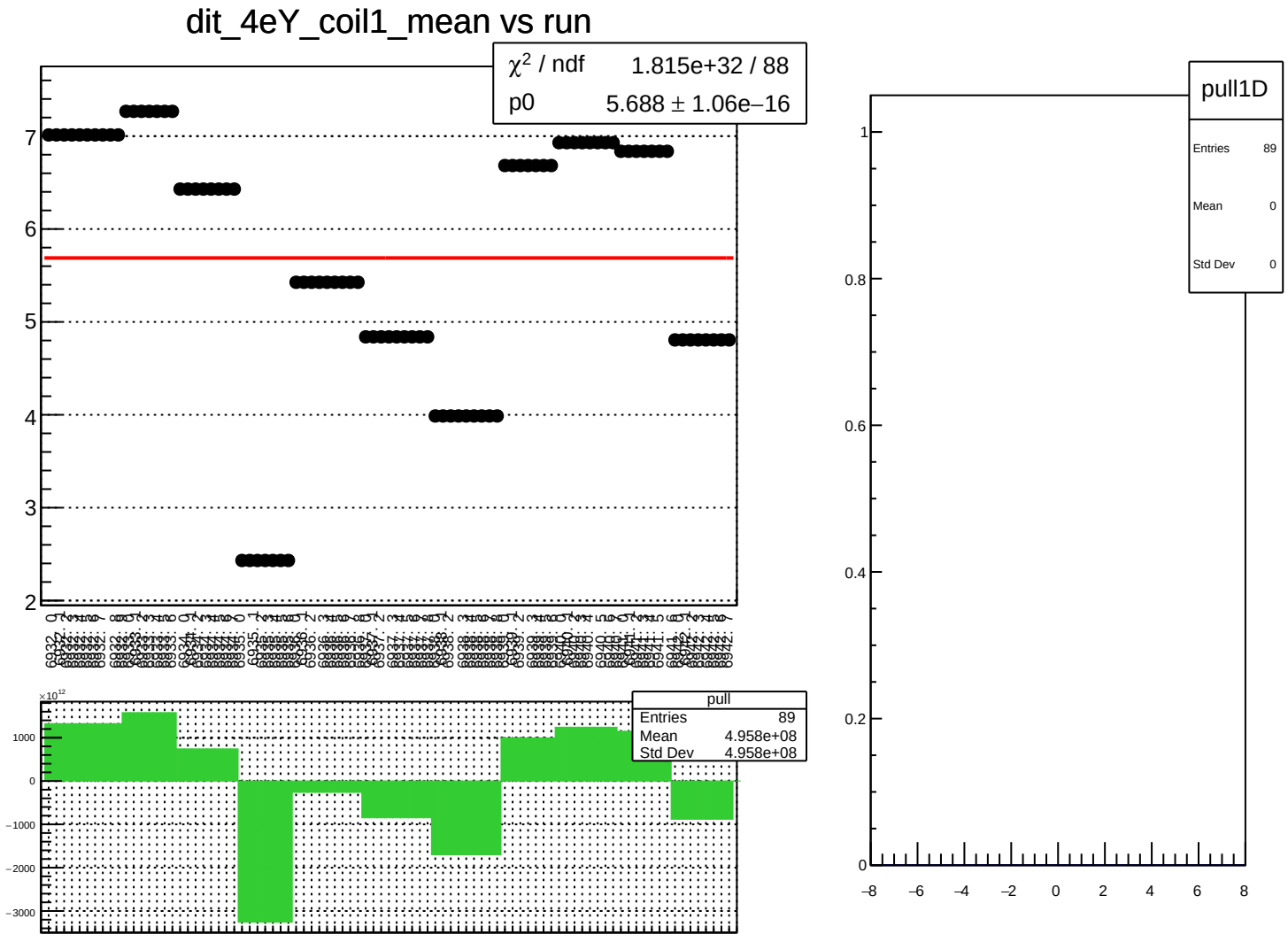

dit_4aY_coil1_mean vs run
χ² / ndf 1.893e+32 / 88
p0 4.427 ± 1.06e−16
pull
Entries 89
Mean −8.634e+08
Std Dev 8.634e+08
pull1D
Entries 89
Mean 0
Std Dev 0

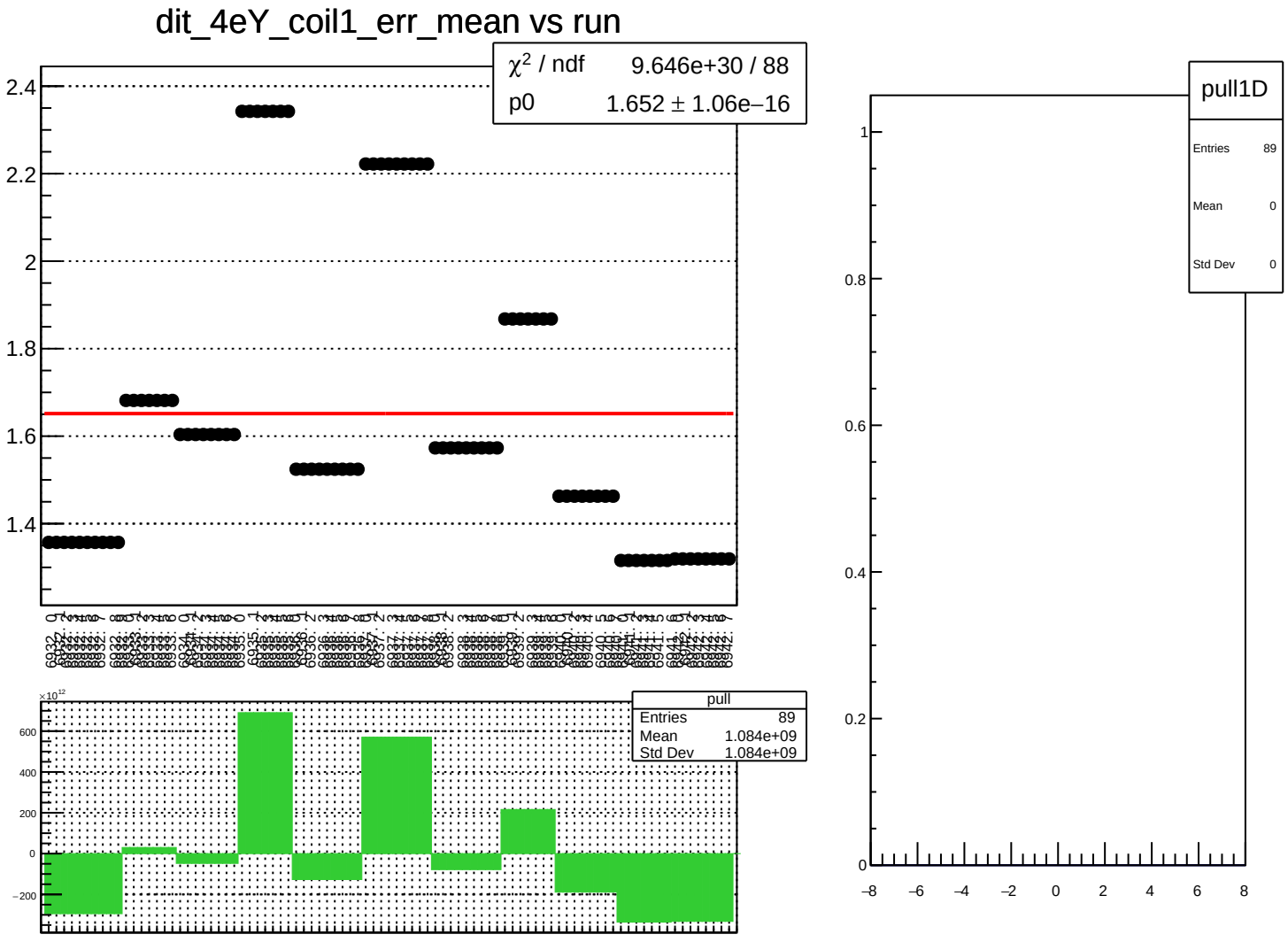

dit_4aY_coil1_err_mean vs run
χ² / ndf 1.43e+31 / 88
p0 1.685 ± 1.06e−16
pull
Entries 89
Mean 1.083e+09
Std Dev 1.083e+09
pull1D
Entries 89
Mean 0
Std Dev 0

dit_4aY_coil1_Ndata_mean vs run

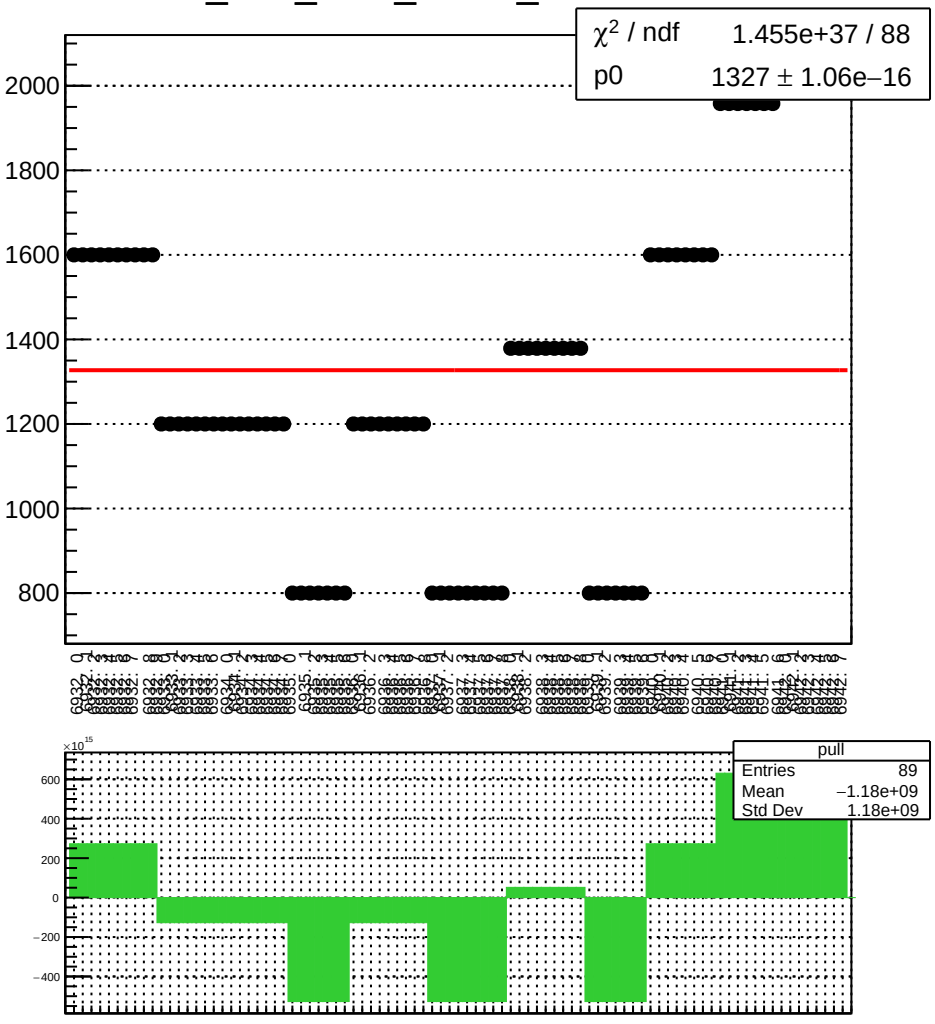


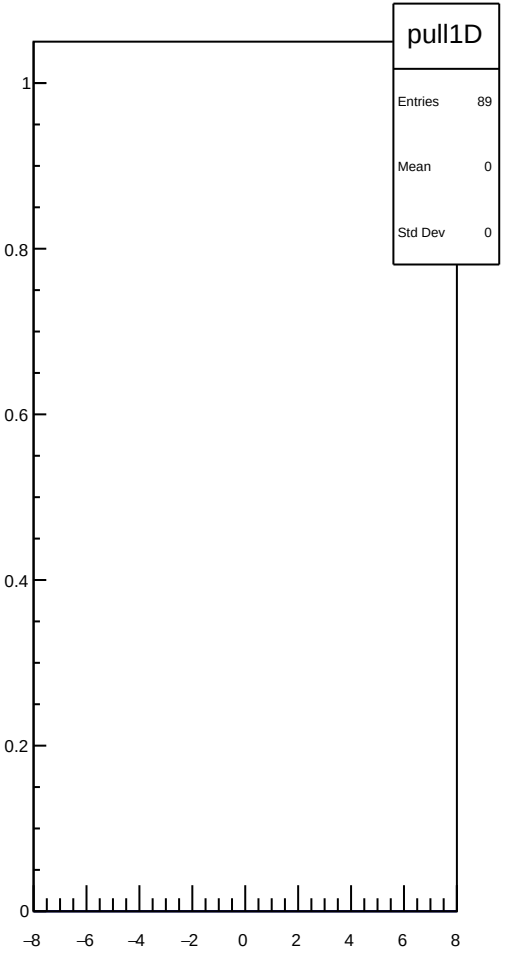


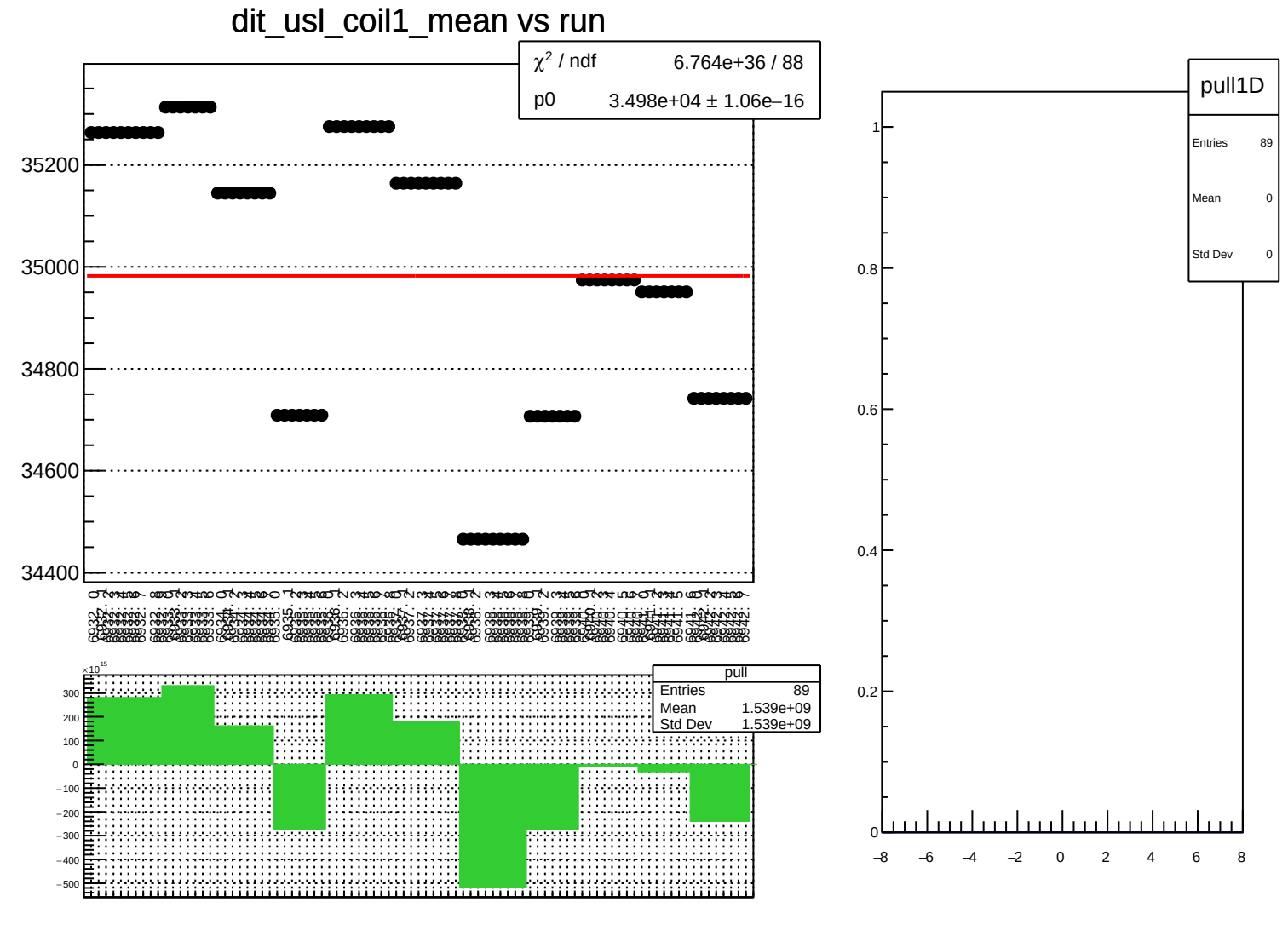

dit_4eY_coil1_mean vs run
χ2 / ndf 1.815e+32 / 88
p0 5.688 ± 1.06e−16
pull
Entries 89
Mean 4.958e+08
Std Dev 4.958e+08
pull1D
Entries 89
Mean 0
Std Dev 0

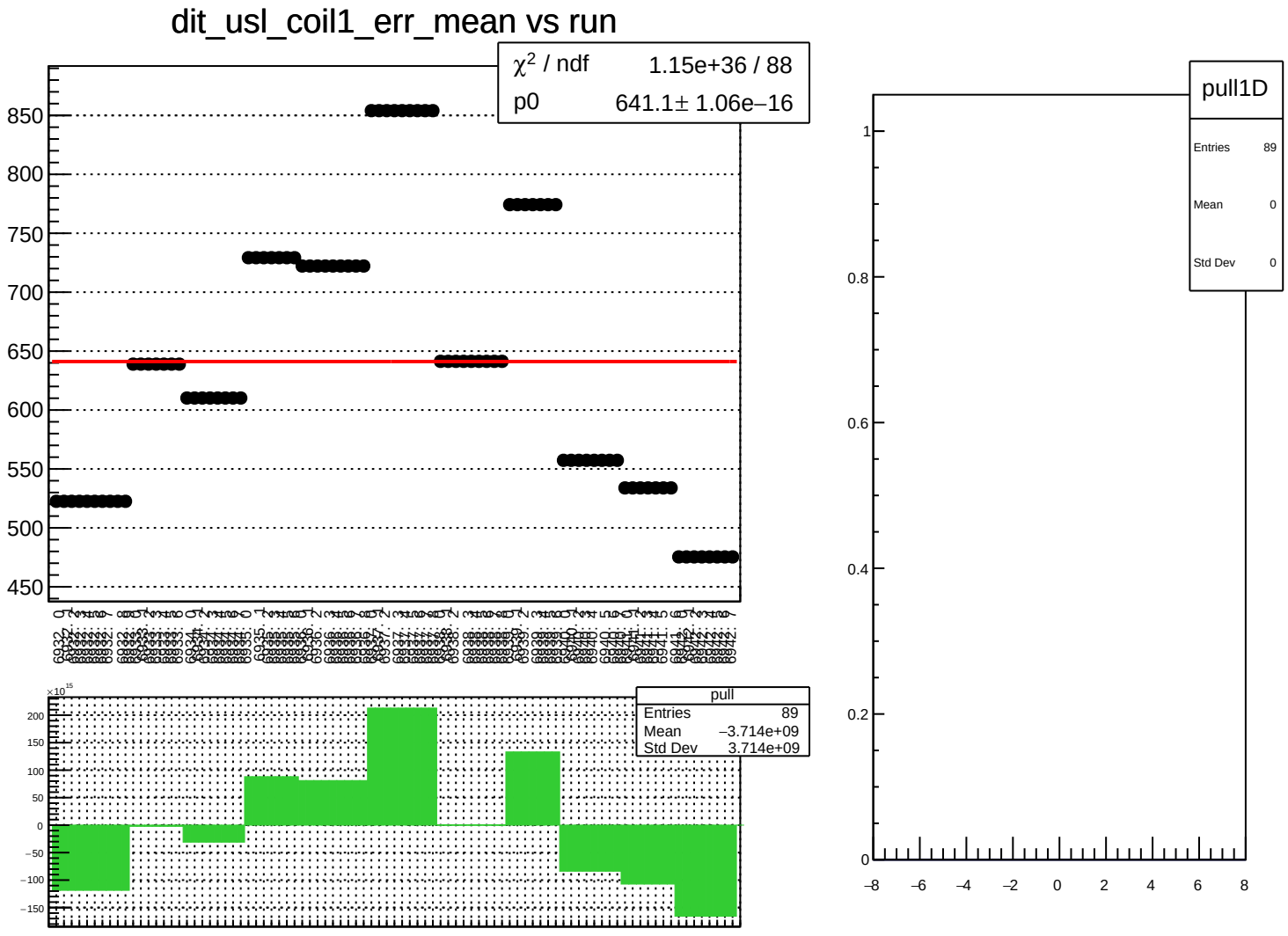

dit_4eY_coil1_err_mean vs run
χ^2 / ndf 9.646e+30 / 88
p0 1.652 ± 1.06e−16
2.4
2.2
2
1.8
1.6
1.4
pull
Entries 89
Mean 1.084e+09
Std Dev 1.084e+09
×10^12
600
400
200
0
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

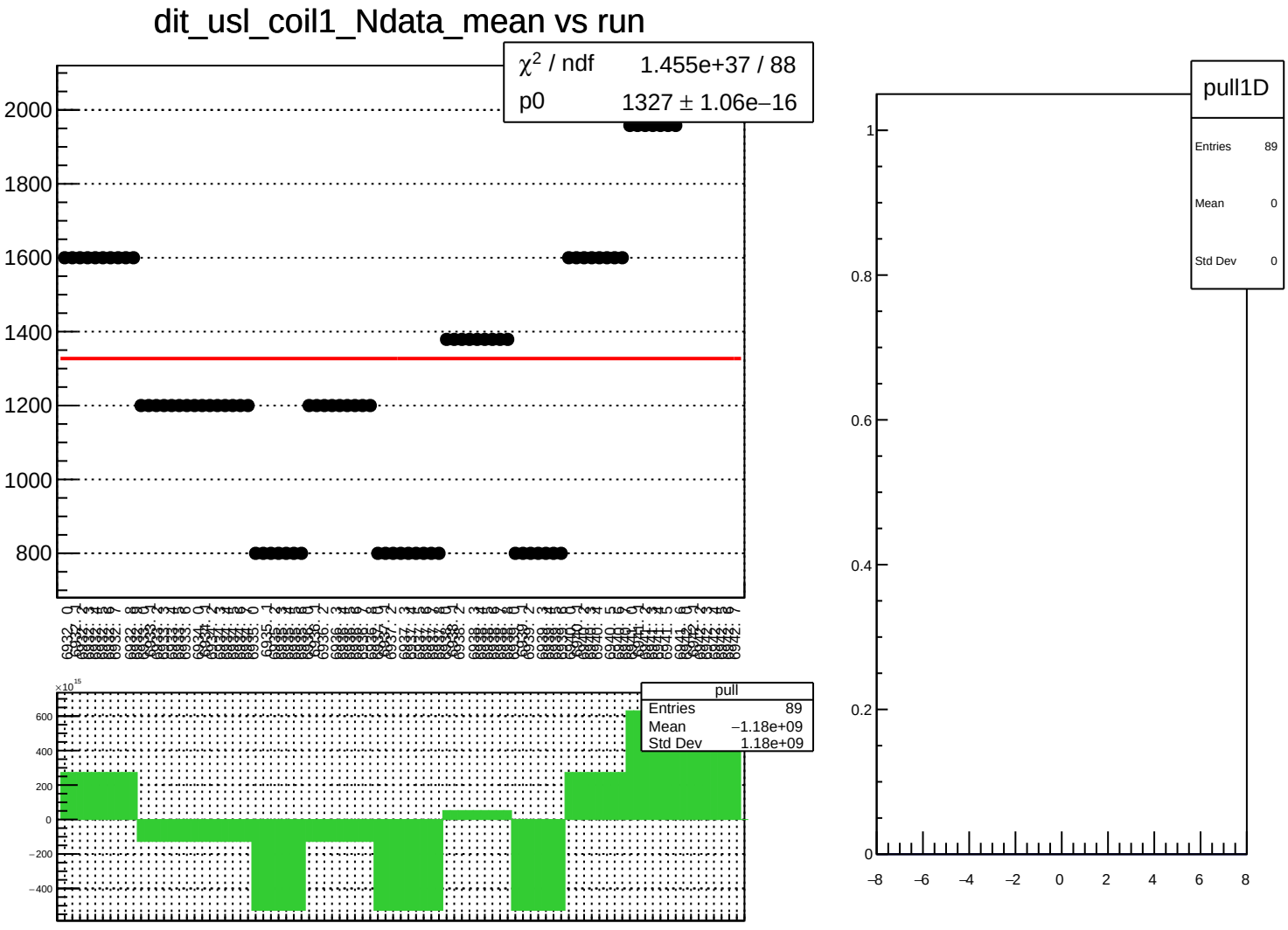
dit_4eY_coil1_Ndata_mean vs run

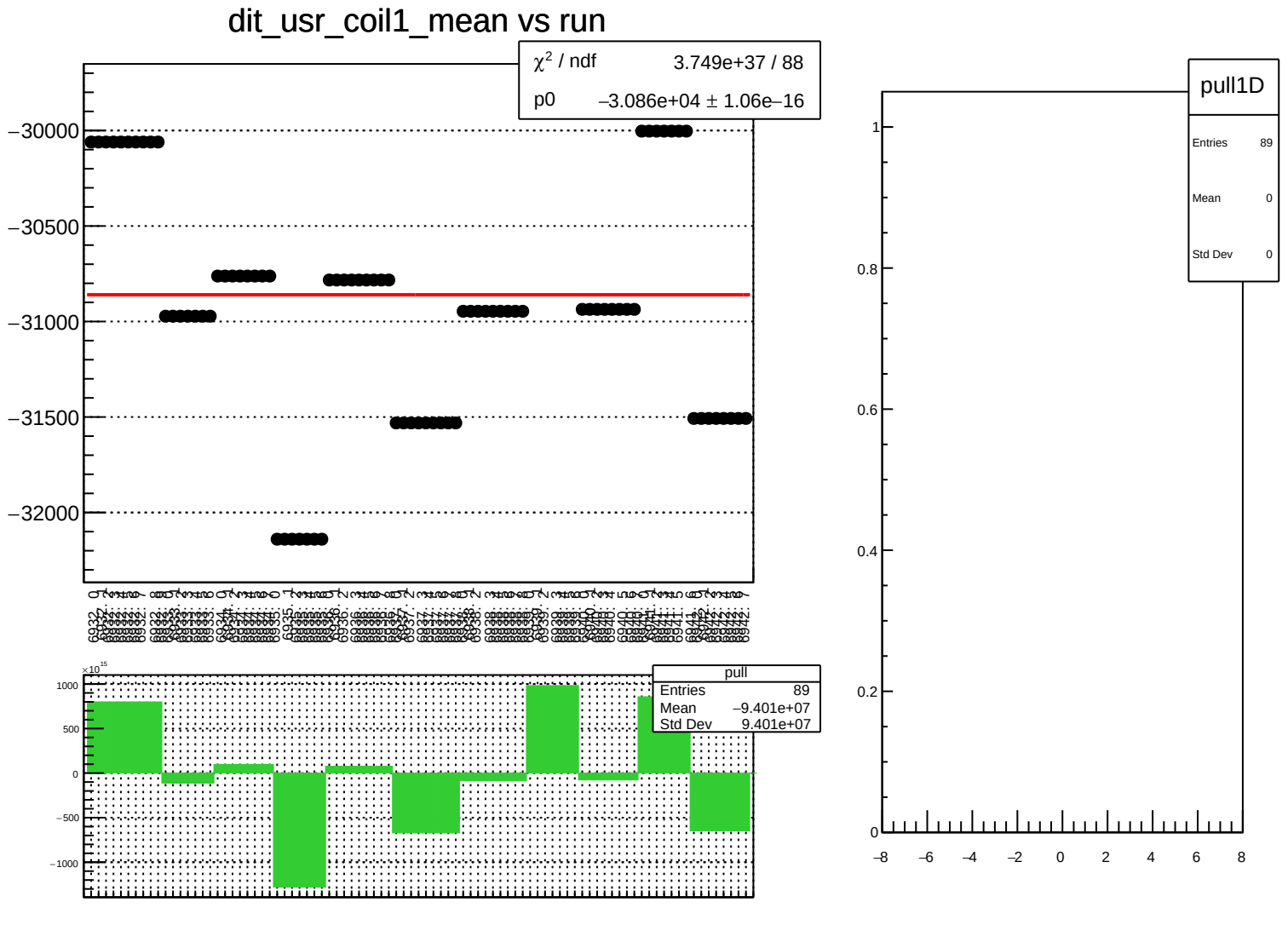


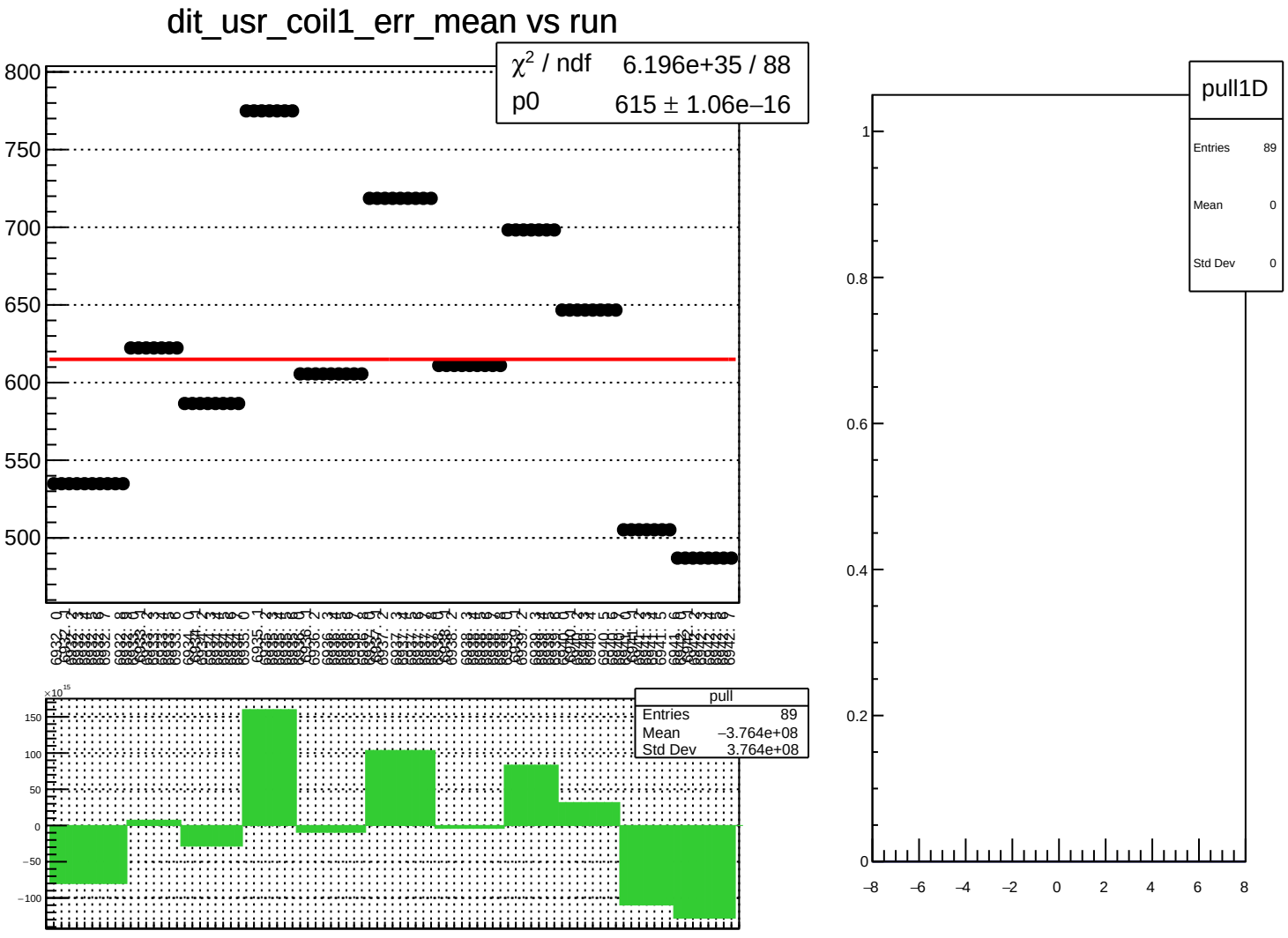


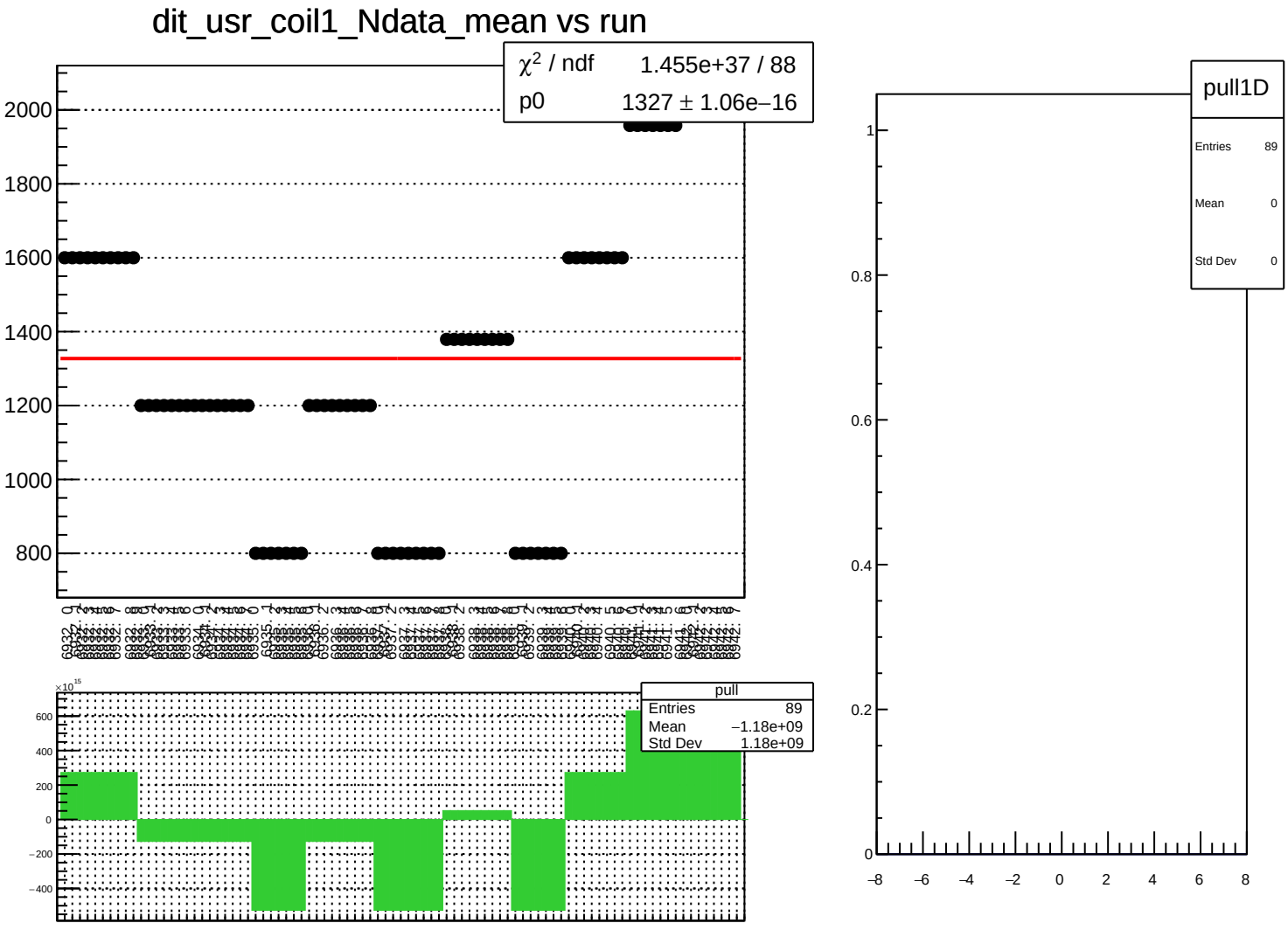

dit_usl_coil1_mean vs run
χ² / ndf 6.764e+36 / 88
p0 3.498e+04 ± 1.06e−16
35200
35000
34800
34600
34400
pull
Entries 89
Mean 1.539e+09
Std Dev 1.539e+09
×10^15
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

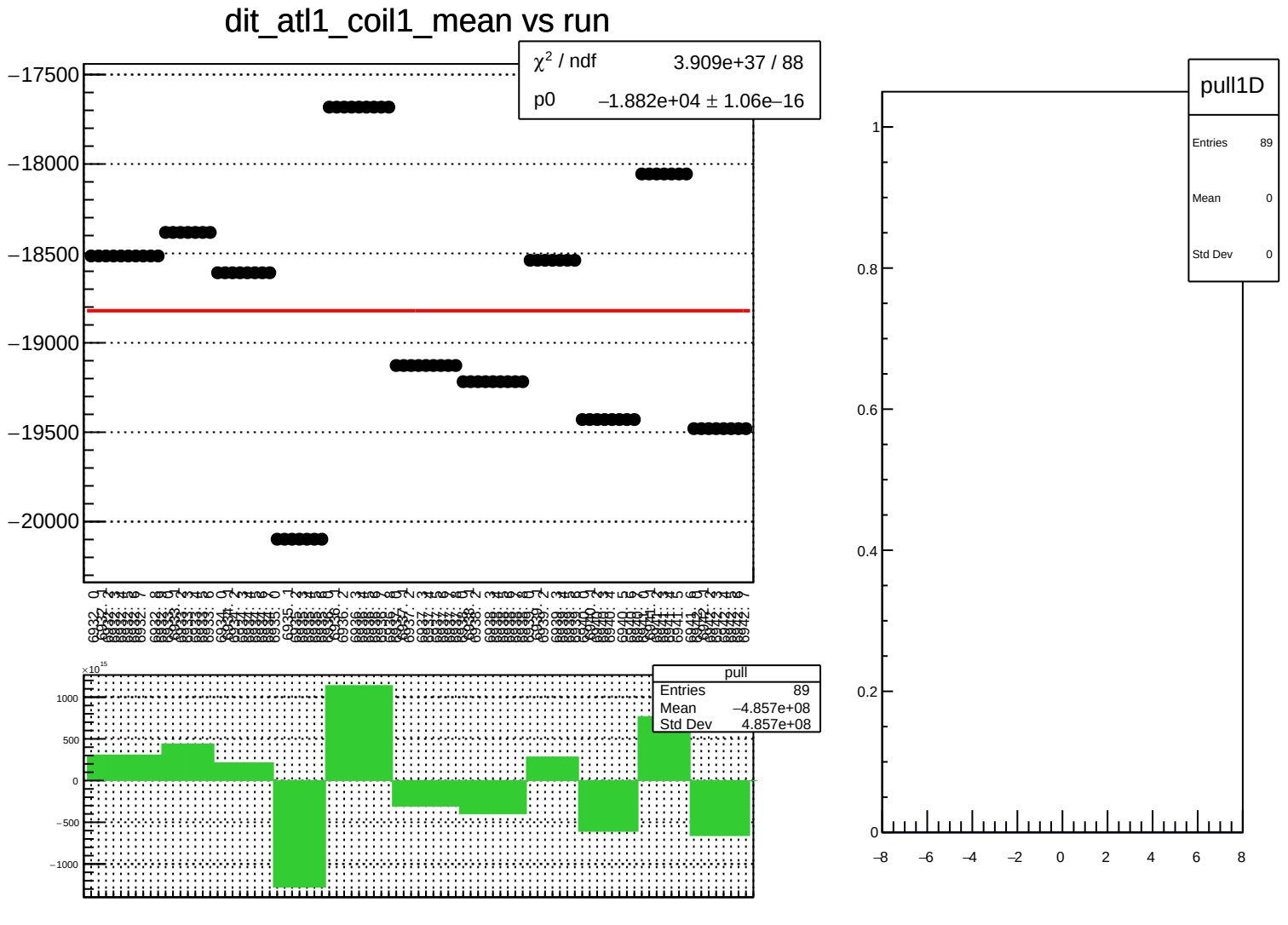

dit_usl_coil1_err_mean vs run
χ² / ndf 1.15e+36 / 88
p0 641.1± 1.06e−16
850
800
750
700
650
600
550
500
450
pull
Entries 89
Mean −3.714e+09
Std Dev 3.714e+09
×10¹⁵
200
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

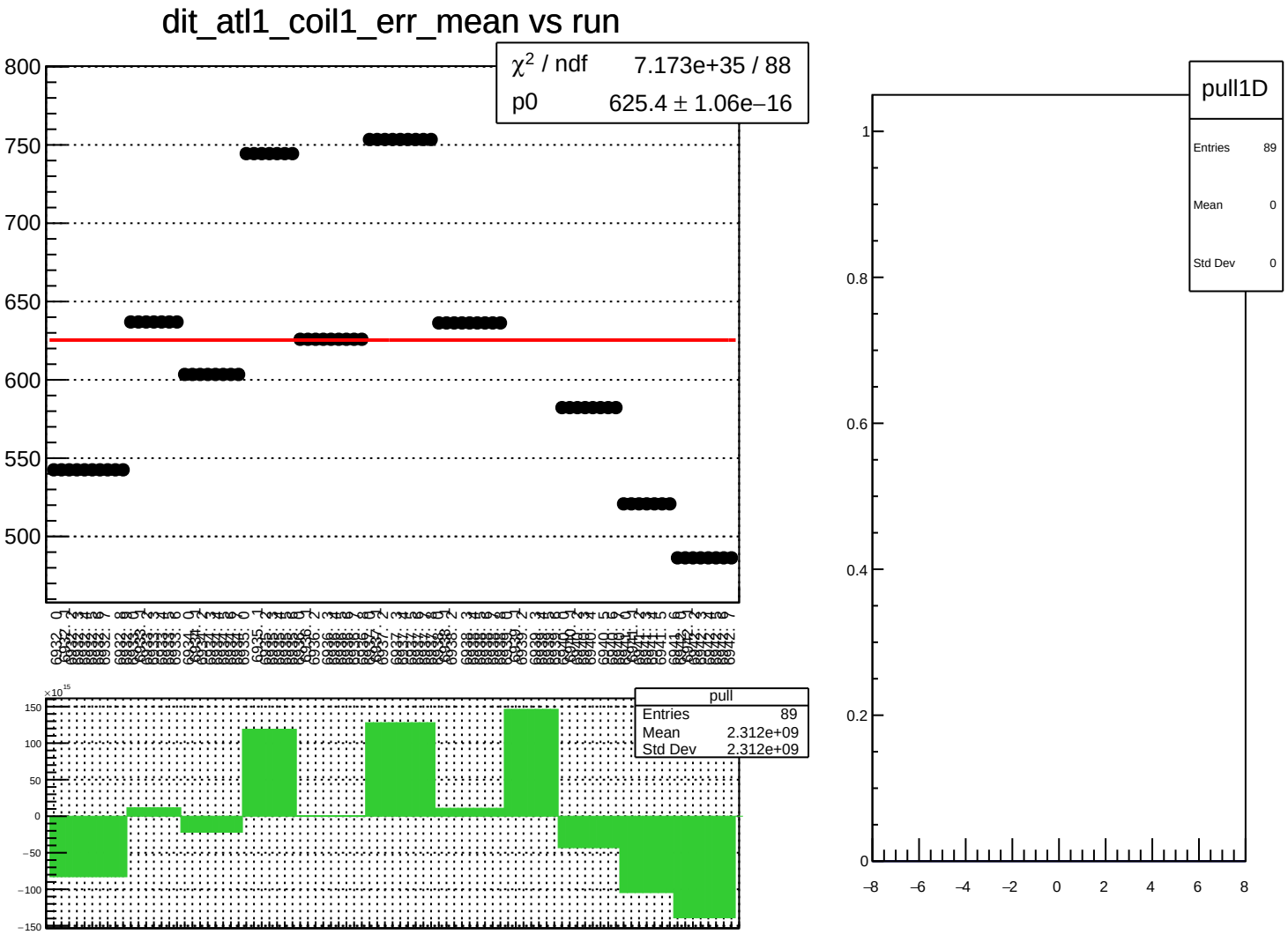

dit_usl_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

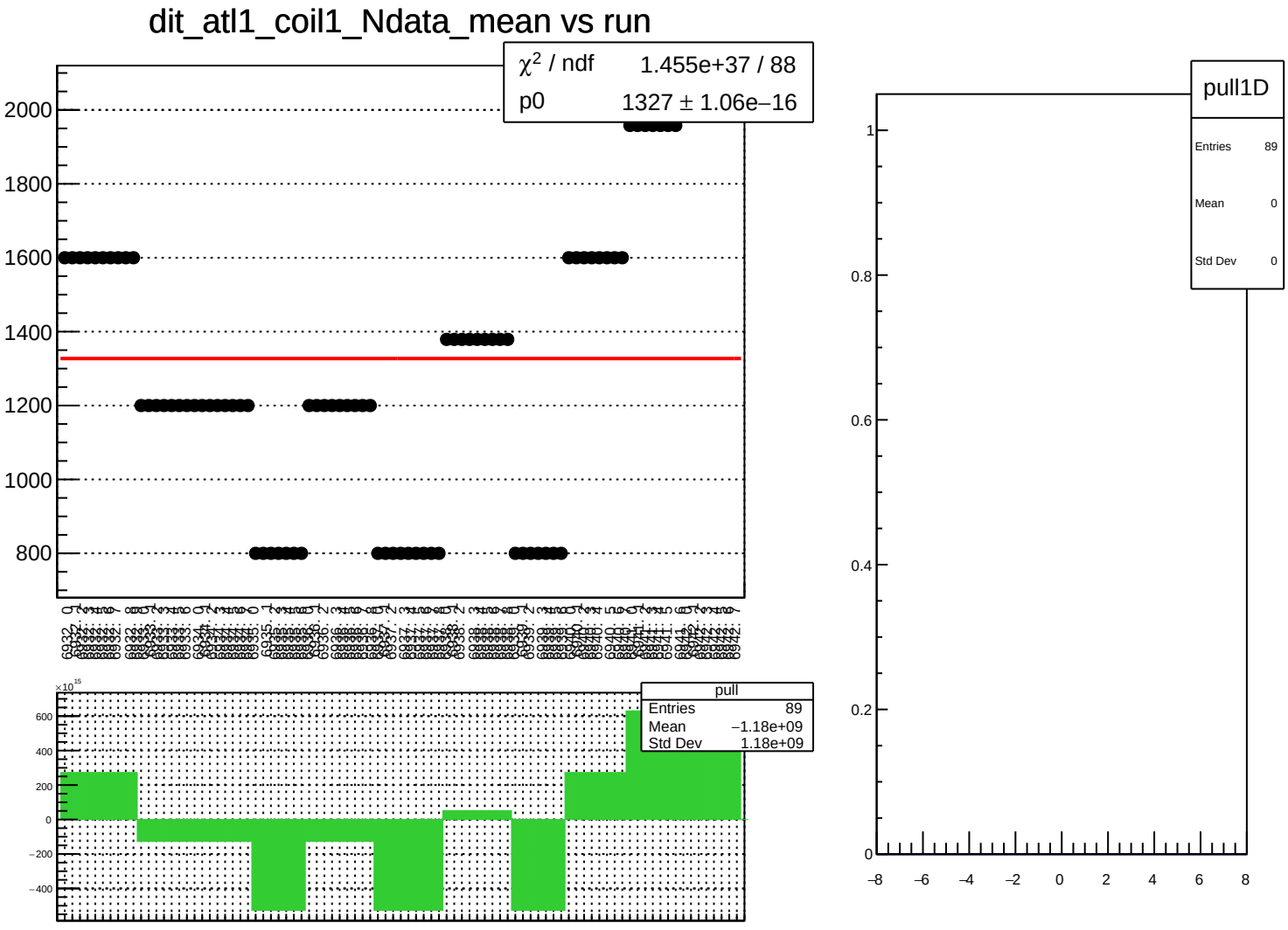

dit_usr_coil1_mean vs run
χ² / ndf 3.749e+37 / 88
p0 −3.086e+04 ± 1.06e−16
−30000
−30500
−31000
−31500
−32000
pull
Entries 89
Mean −9.401e+07
Std Dev 9.401e+07
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

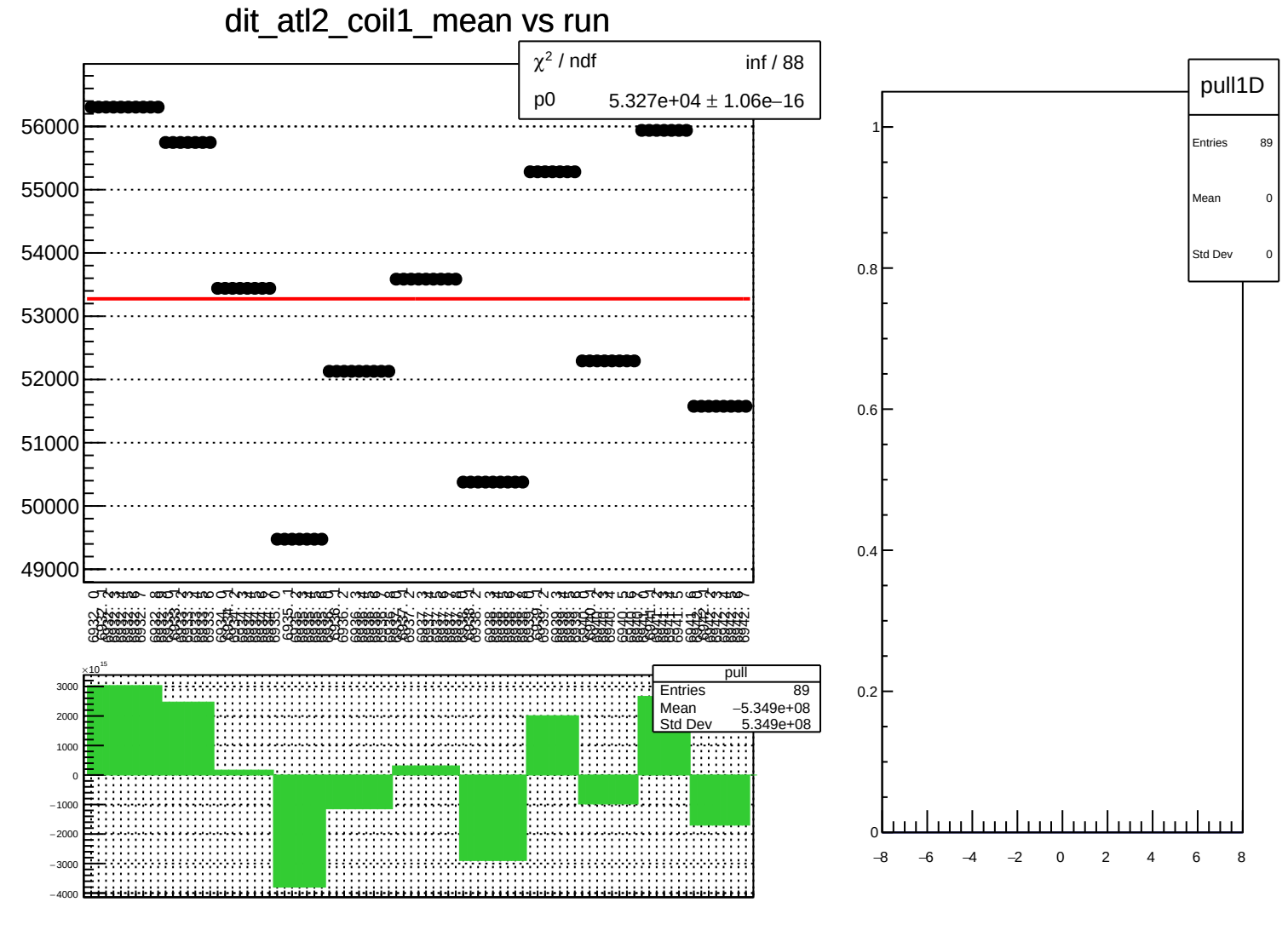

dit_usr_coil1_err_mean vs run
χ² / ndf 6.196e+35 / 88
p0 615 ± 1.06e−16
800
750
700
650
600
550
500
pull
Entries 89
Mean −3.764e+08
Std Dev 3.764e+08
×10¹⁵
150
100
50
0
−50
−100
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

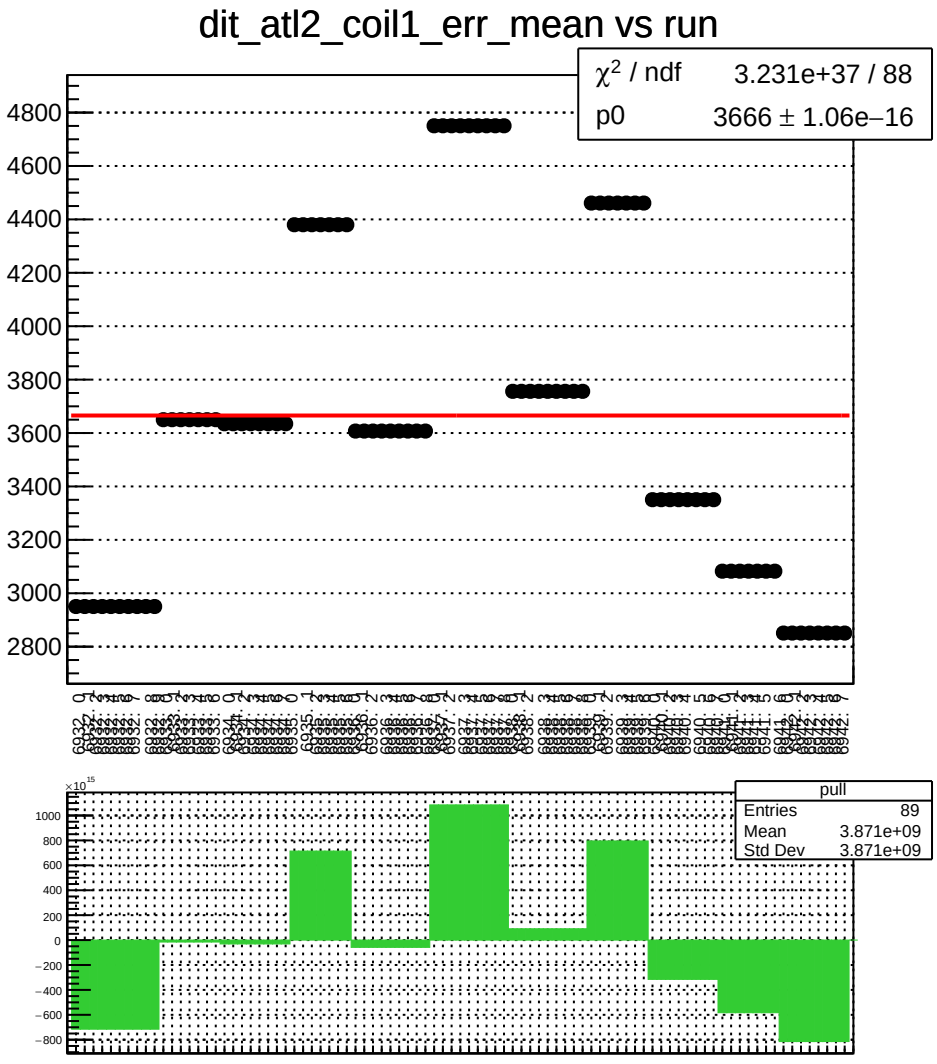

dit_usr_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

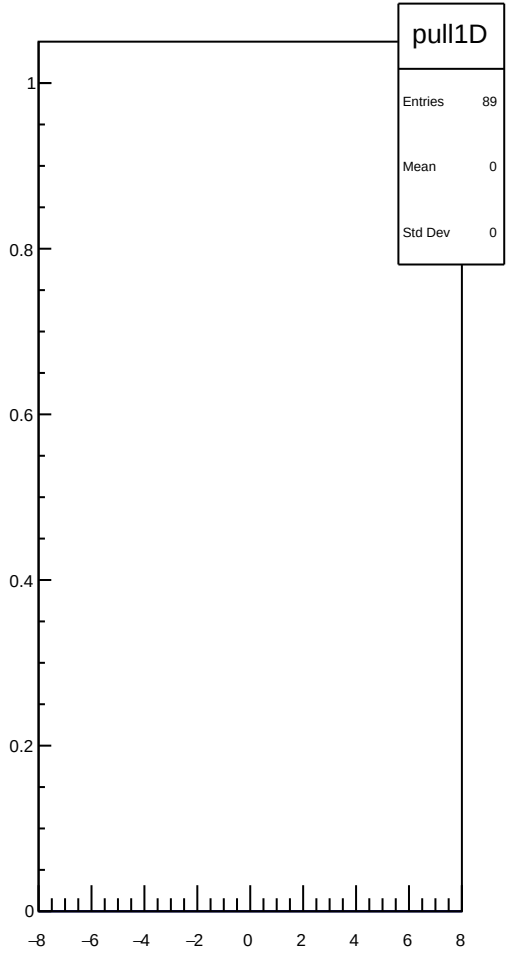

dit_atl1_coil1_mean vs run
χ² / ndf 3.909e+37 / 88
p0 −1.882e+04 ± 1.06e−16
−17500
−18000
−18500
−19000
−19500
−20000
pull
Entries 89
Mean −4.857e+08
Std Dev 4.857e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

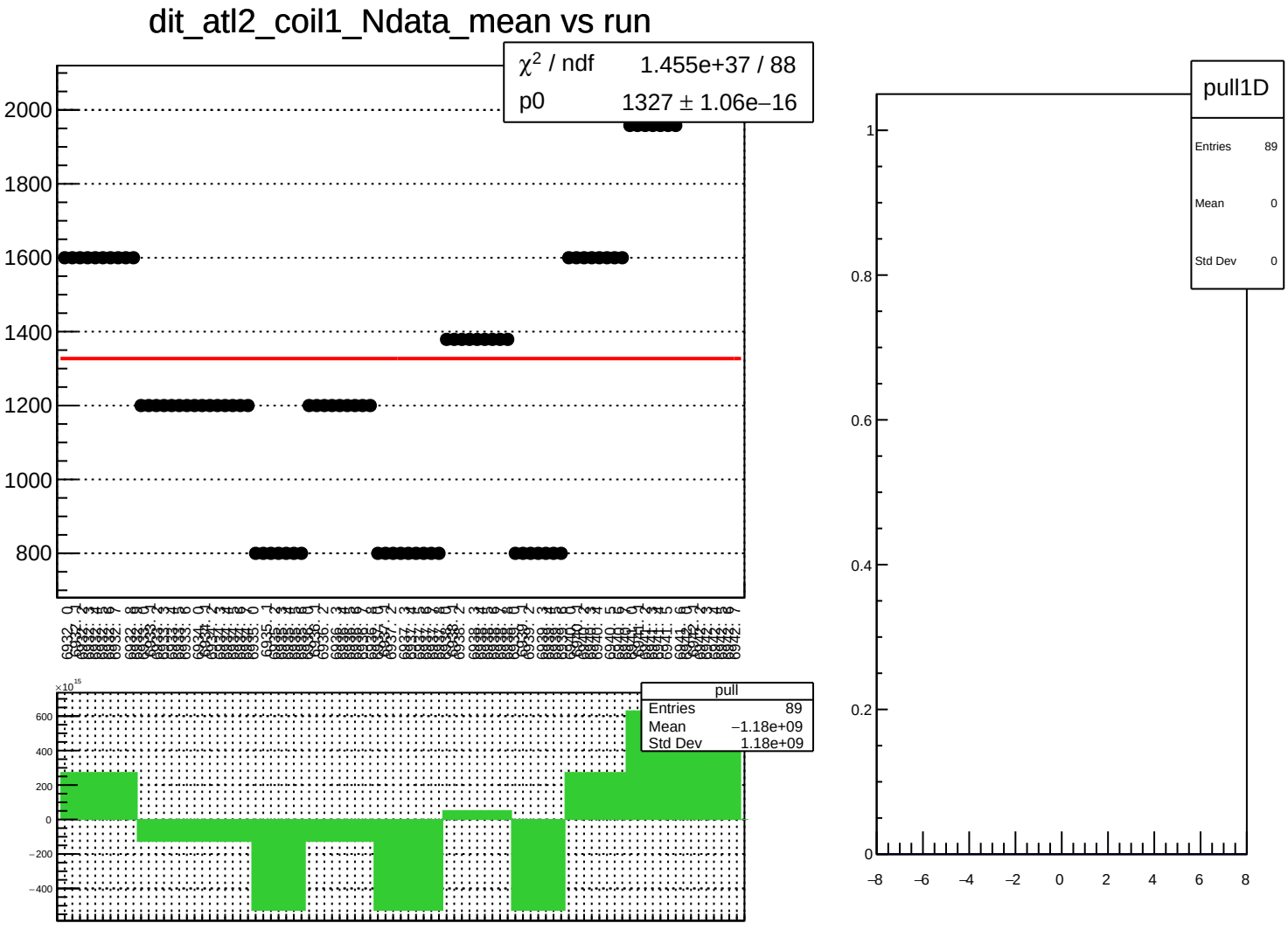

dit_atl1_coil1_err_mean vs run
χ^2 / ndf 7.173e+35 / 88
p0 625.4 ± 1.06e−16
800
750
700
650
600
550
500
pull
Entries 89
Mean 2.312e+09
Std Dev 2.312e+09
×10^15
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

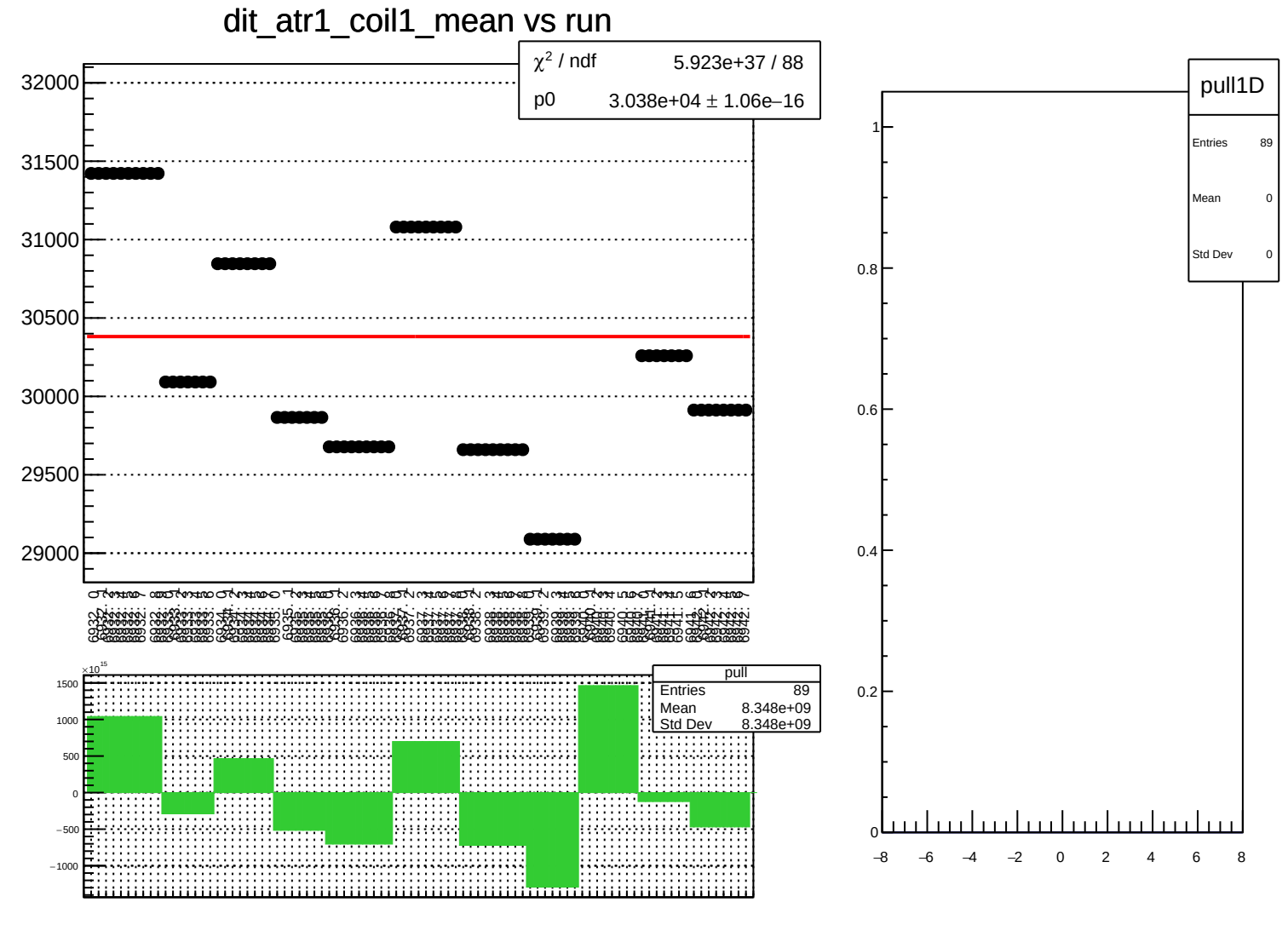

dit_atl1_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

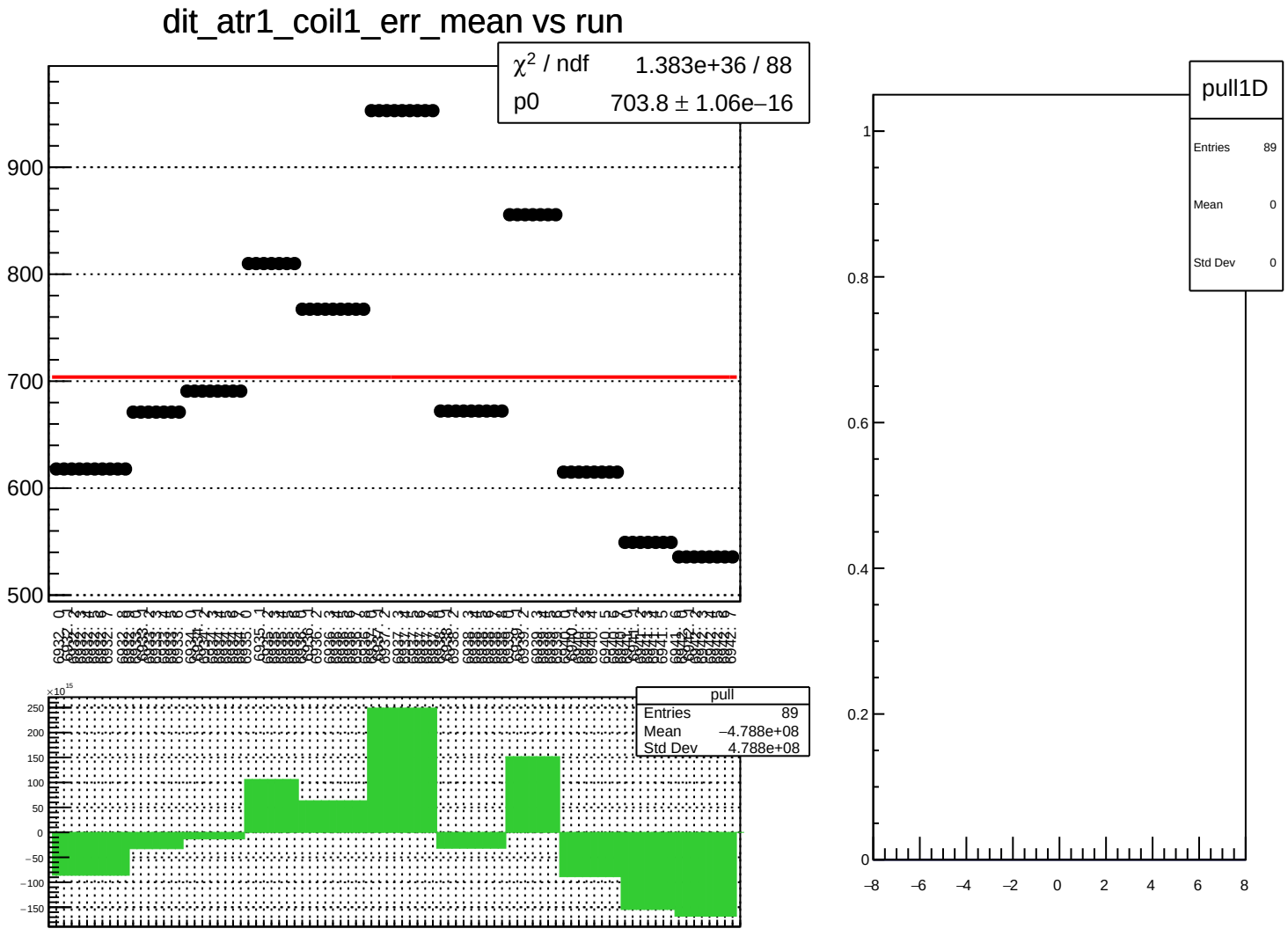

dit_atl2_coil1_mean vs run
χ² / ndf inf / 88
p0 5.327e+04 ± 1.06e−16
56000
55000
54000
53000
52000
51000
50000
49000
pull
Entries 89
Mean −5.349e+08
Std Dev 5.349e+08
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

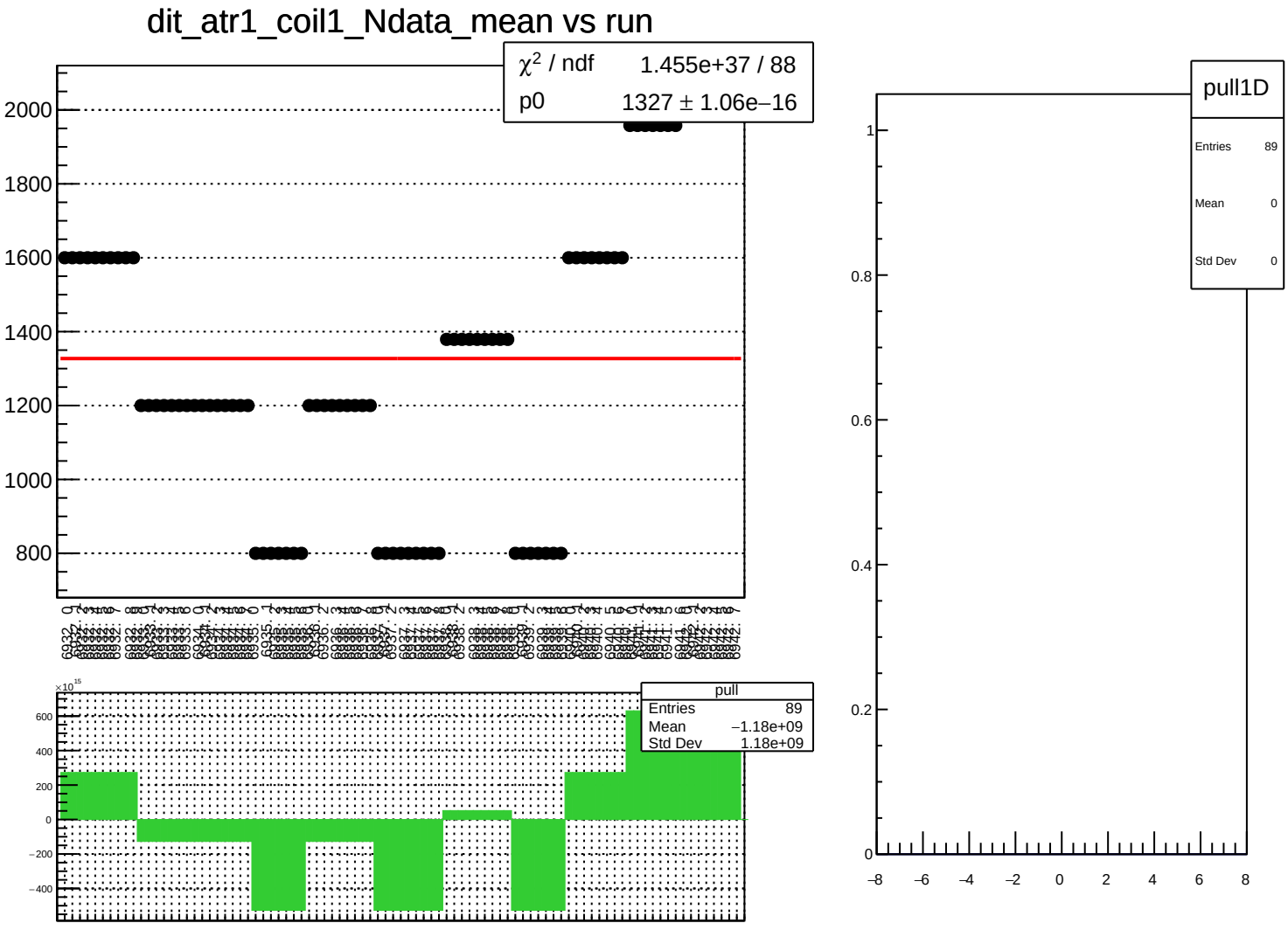

dit_atl2_coil1_err_mean vs run
χ² / ndf 3.231e+37 / 88
p0 3666 ± 1.06e−16
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
pull
Entries 89
Mean 3.871e+09
Std Dev 3.871e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

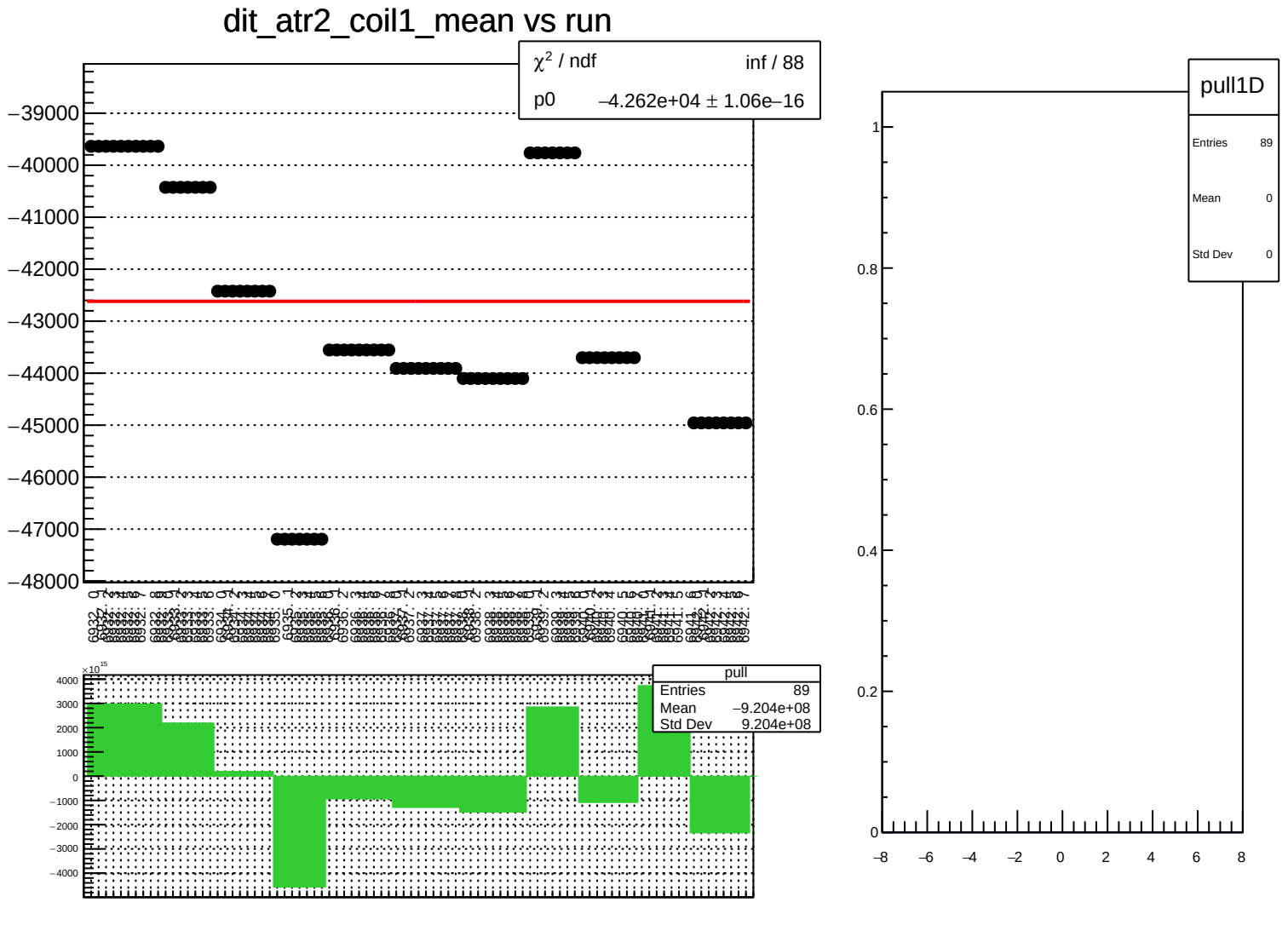

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

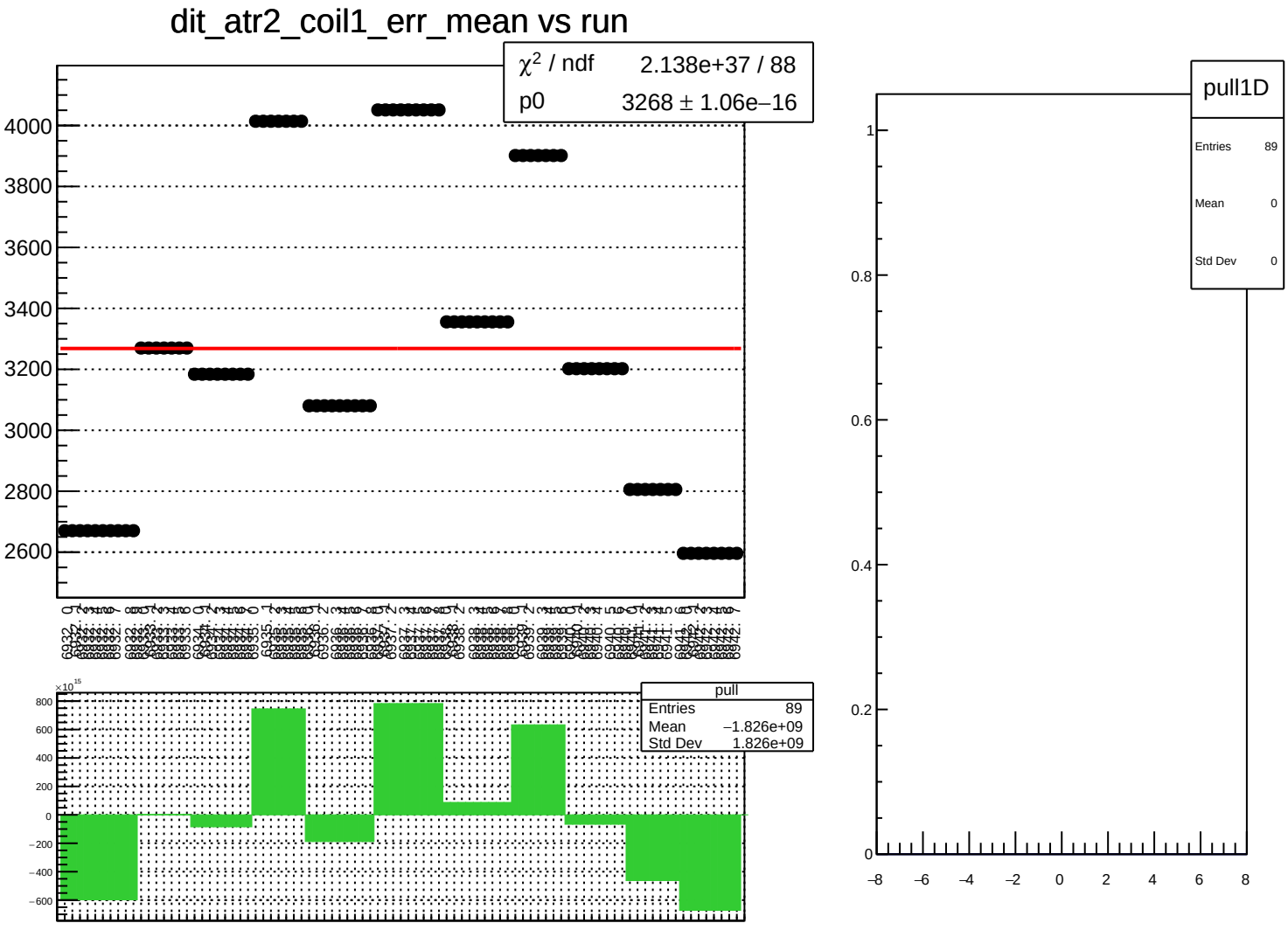

dit_atl2_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

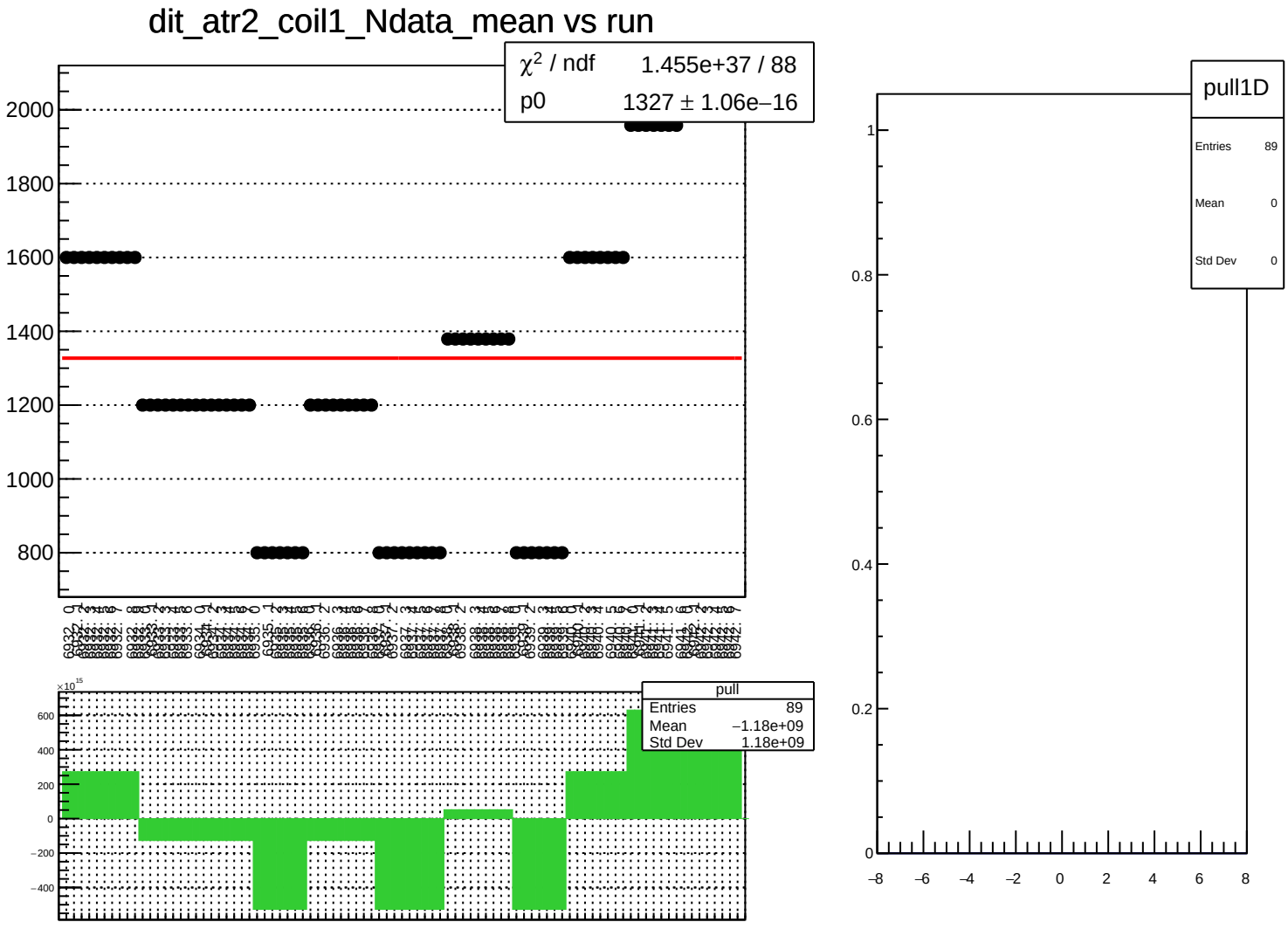

dit_atr1_coil1_mean vs run
χ² / ndf 5.923e+37 / 88
p0 3.038e+04 ± 1.06e−16
32000
31500
31000
30500
30000
29500
29000
pull
Entries 89
Mean 8.348e+09
Std Dev 8.348e+09
×10¹⁵
1500
1000
500
0
−500
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

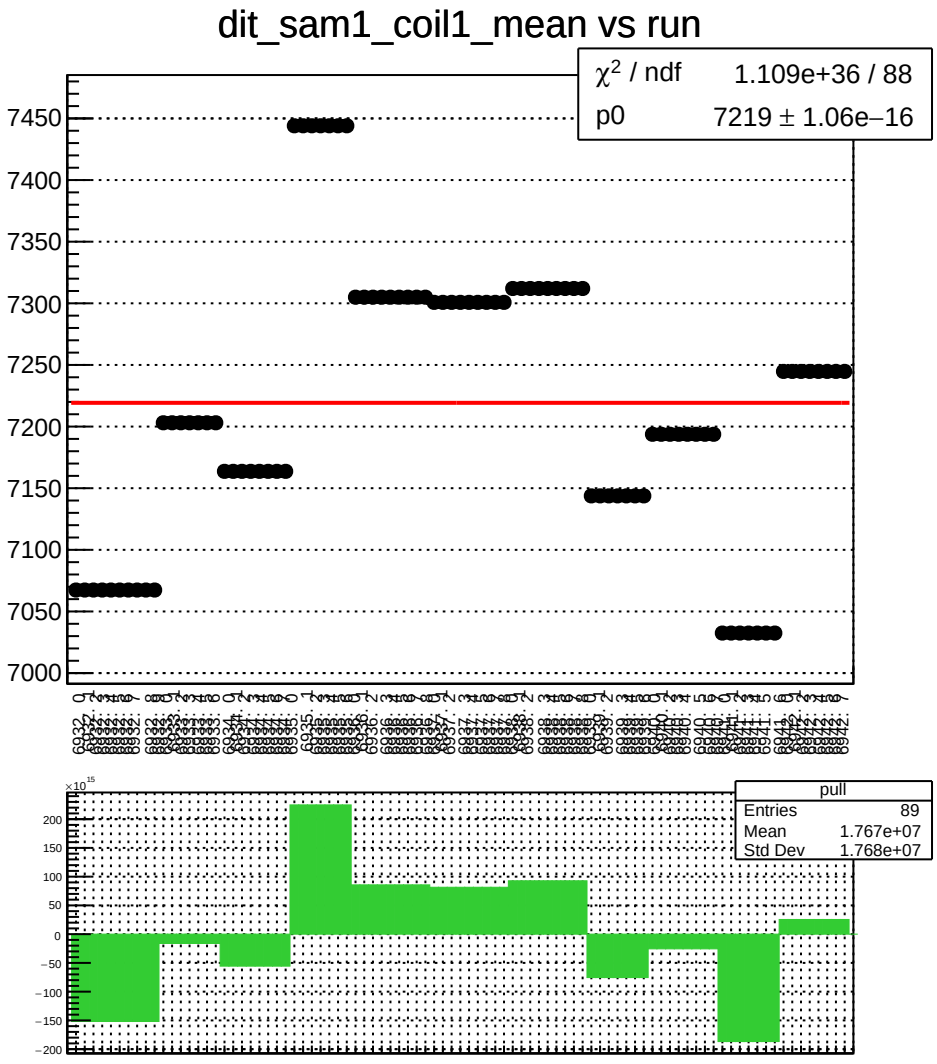

dit_atr1_coil1_err_mean vs run
χ² / ndf 1.383e+36 / 88
p0 703.8 ± 1.06e−16
900
800
700
600
500
pull
Entries 89
Mean −4.788e+08
Std Dev 4.788e+08
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

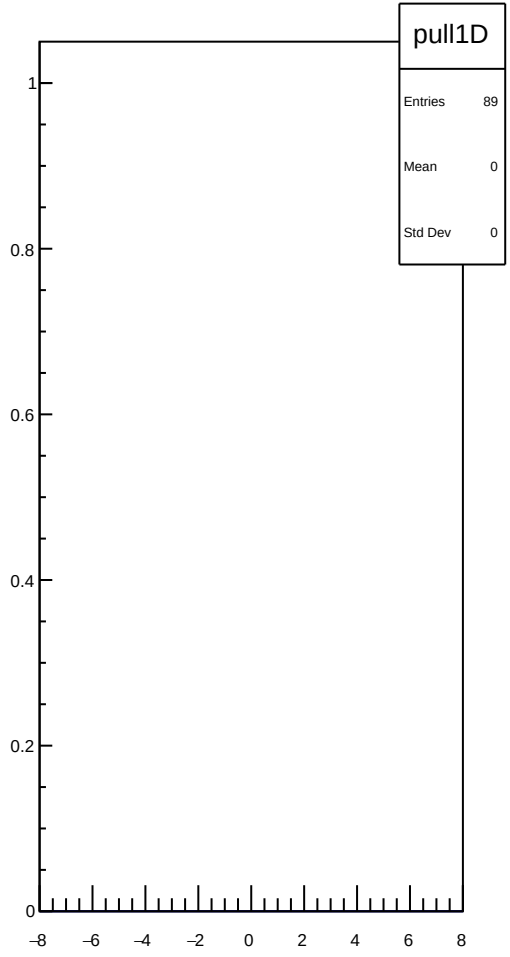

dit_atr1_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil1_mean vs run
χ² / ndf inf / 88
p0 −4.262e+04 ± 1.06e−16
−39000
−40000
−41000
−42000
−43000
−44000
−45000
−46000
−47000
−48000
pull
Entries 89
Mean −9.204e+08
Std Dev 9.204e+08
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

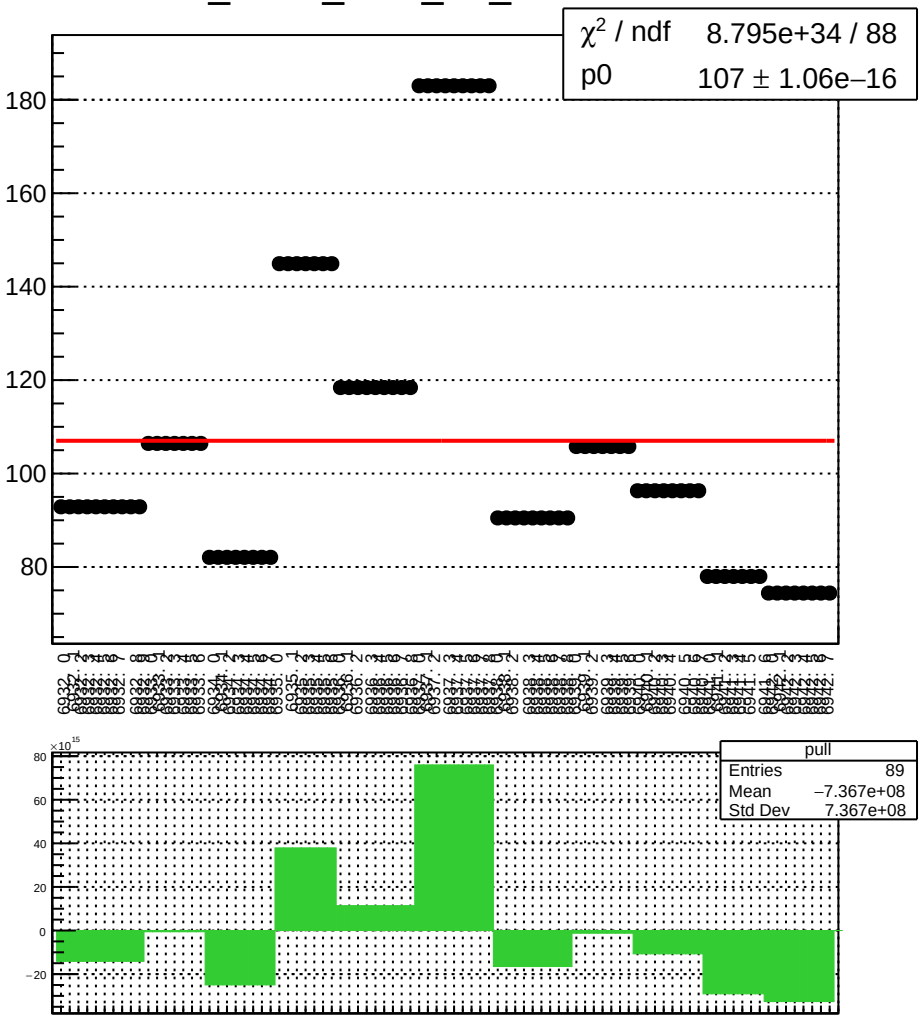

dit_atr2_coil1_err_mean vs run
χ² / ndf 2.138e+37 / 88
p0 3268 ± 1.06e−16
4000
3800
3600
3400
3200
3000
2800
2600
pull
Entries 89
Mean −1.826e+09
Std Dev 1.826e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

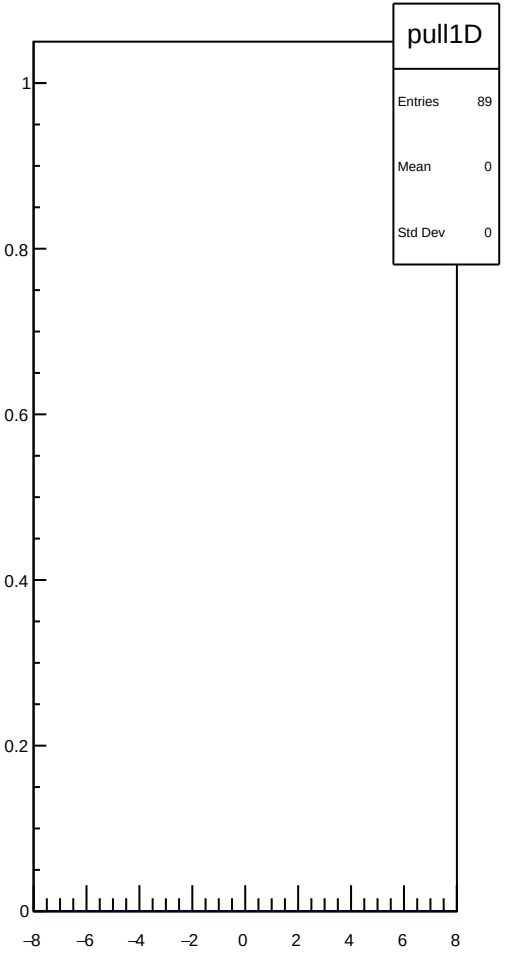

dit_atr2_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

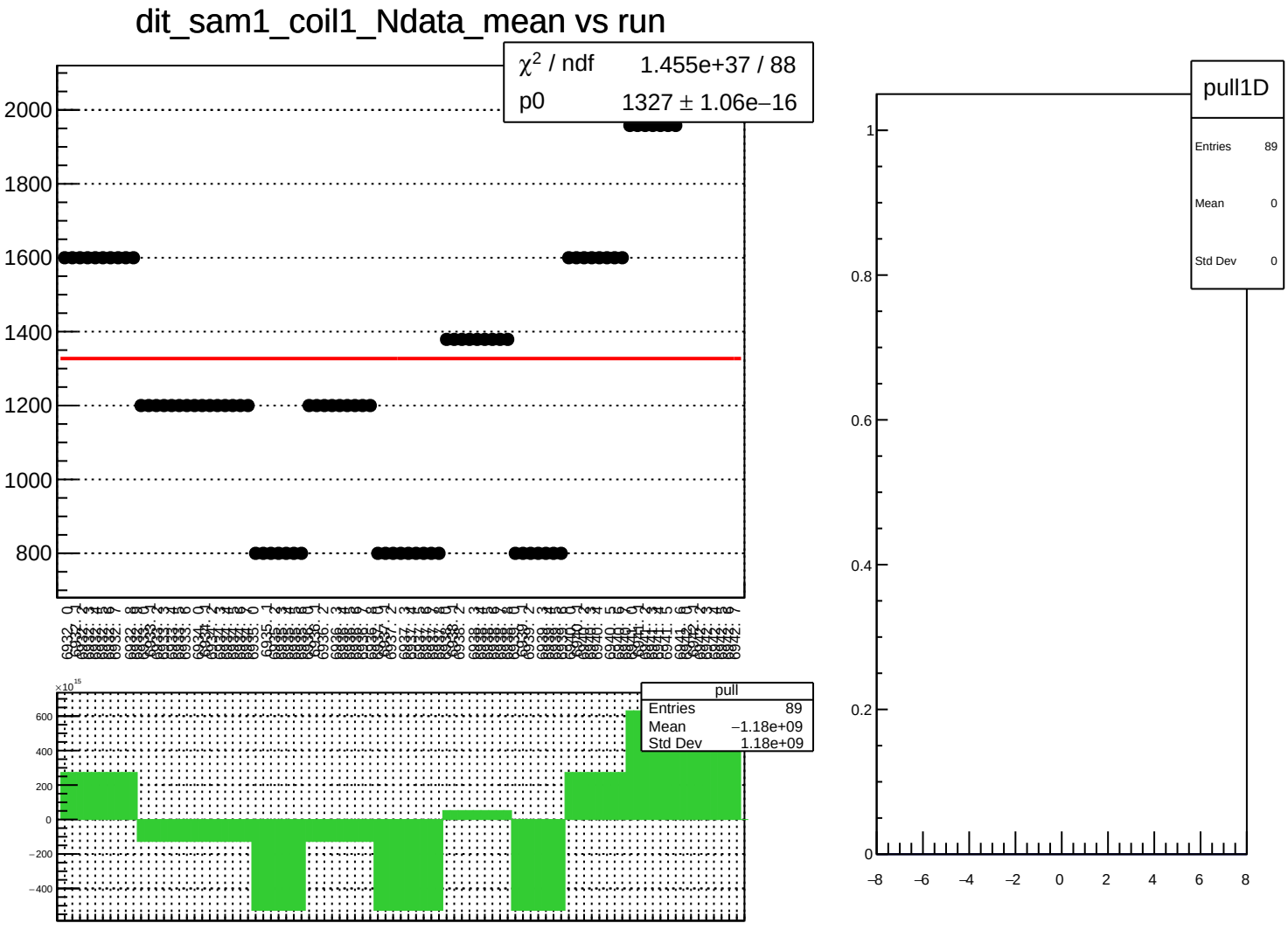

dit_sam1_coil1_mean vs run
χ² / ndf 1.109e+36 / 88
p0 7219 ± 1.06e−16
7450
7400
7350
7300
7250
7200
7150
7100
7050
7000
pull
Entries 89
Mean 1.767e+07
Std Dev 1.768e+07
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200

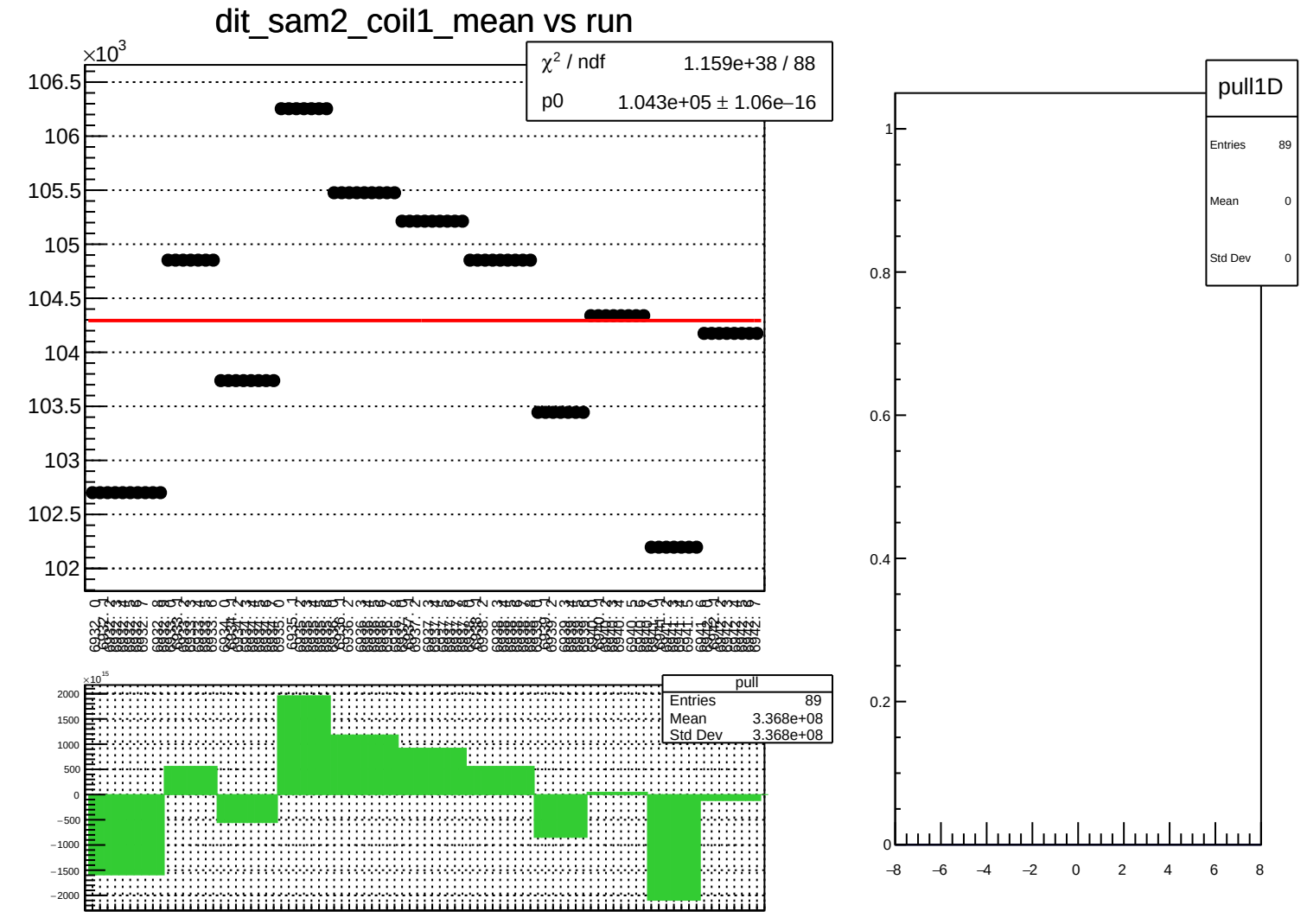

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

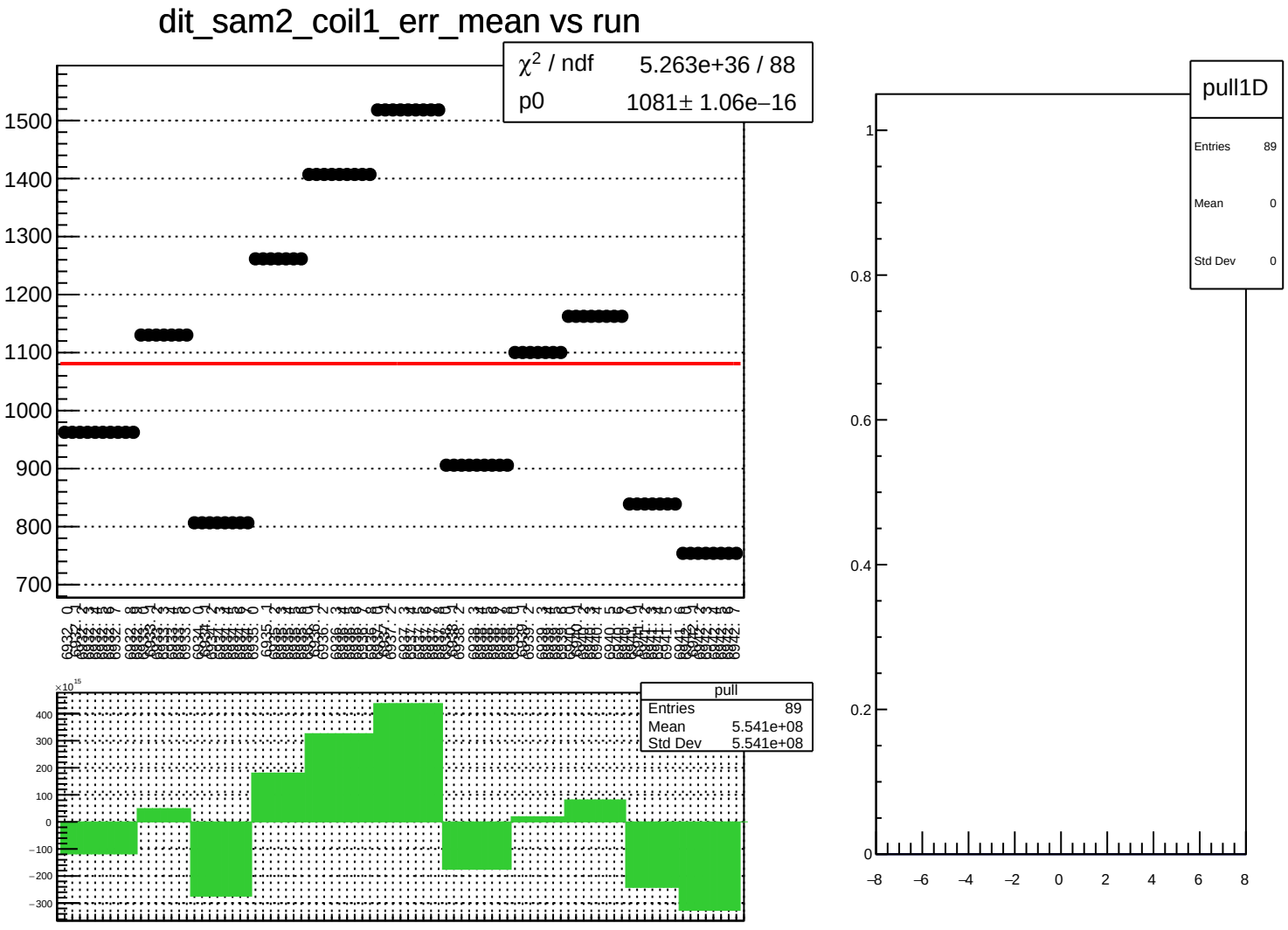
dit_sam1_coil1_err_mean vs run

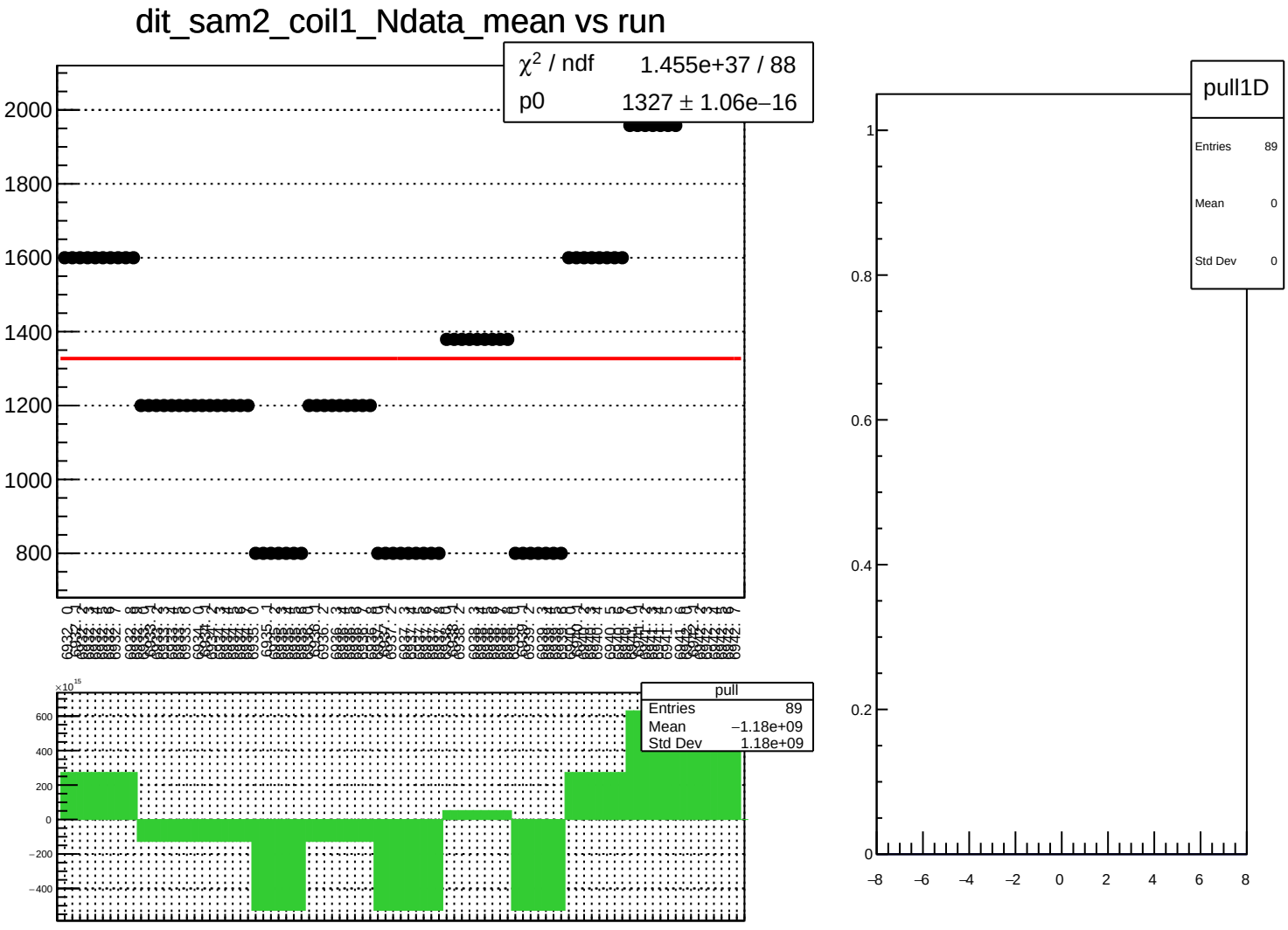


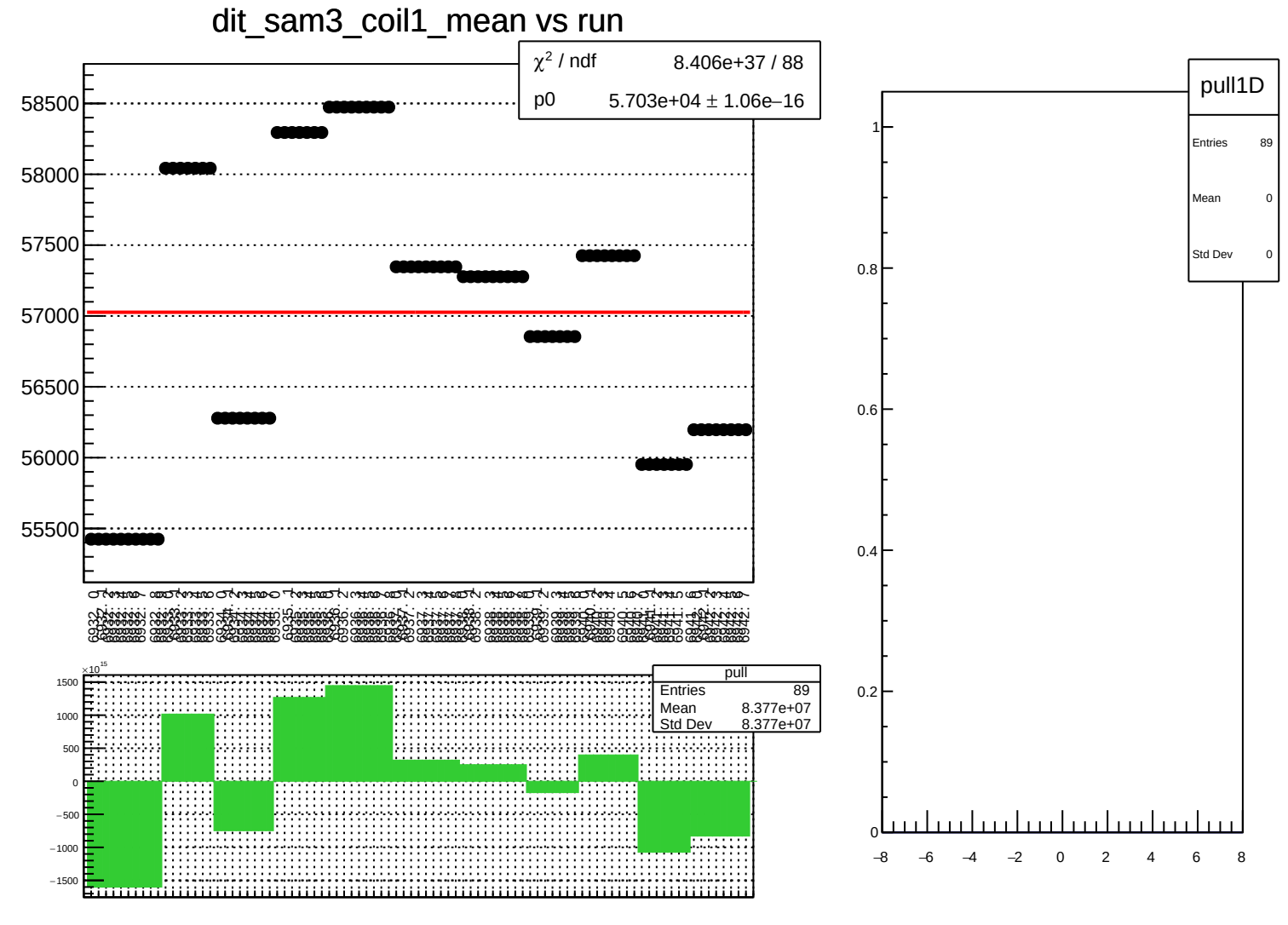


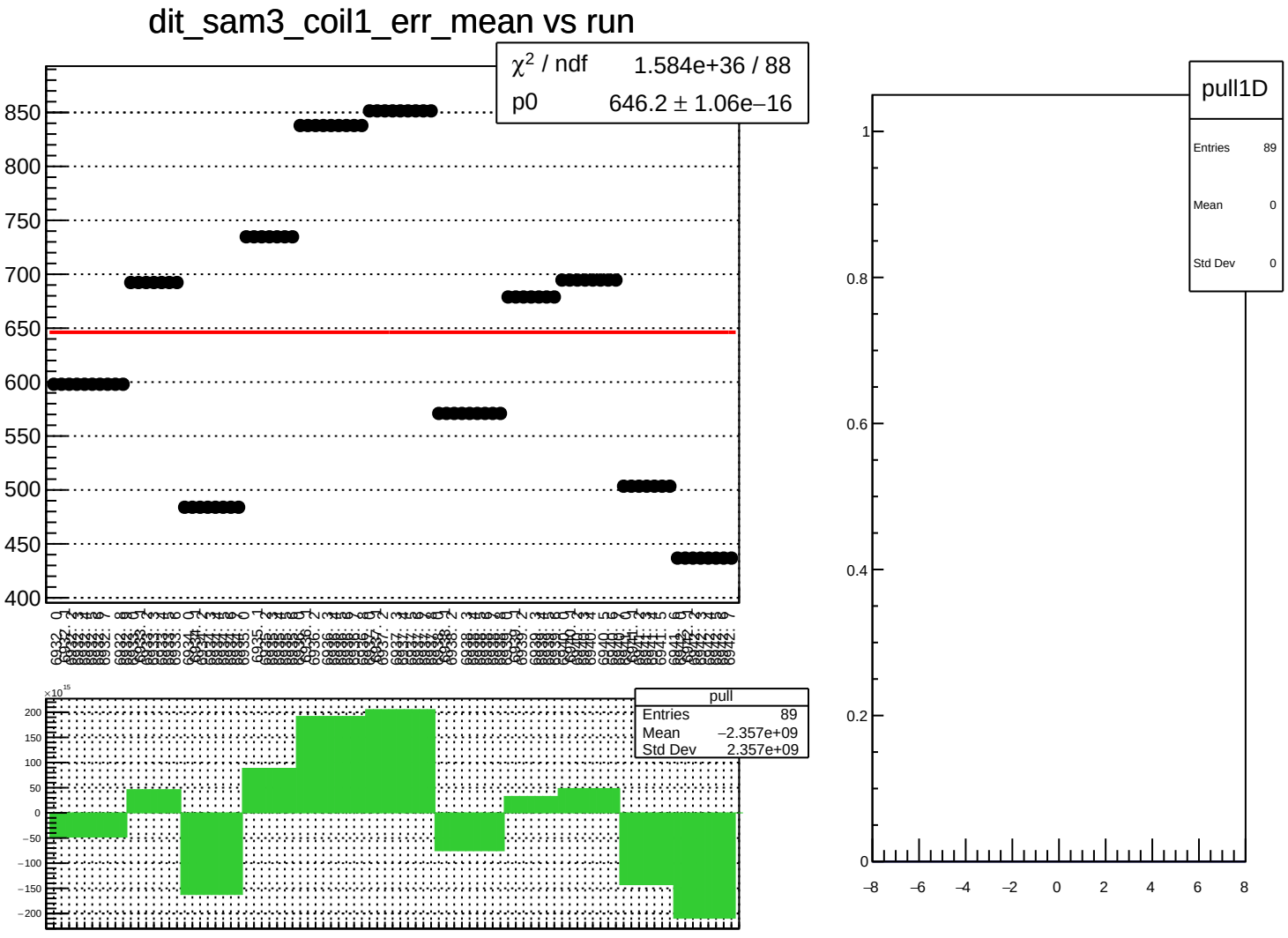

dit_sam1_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

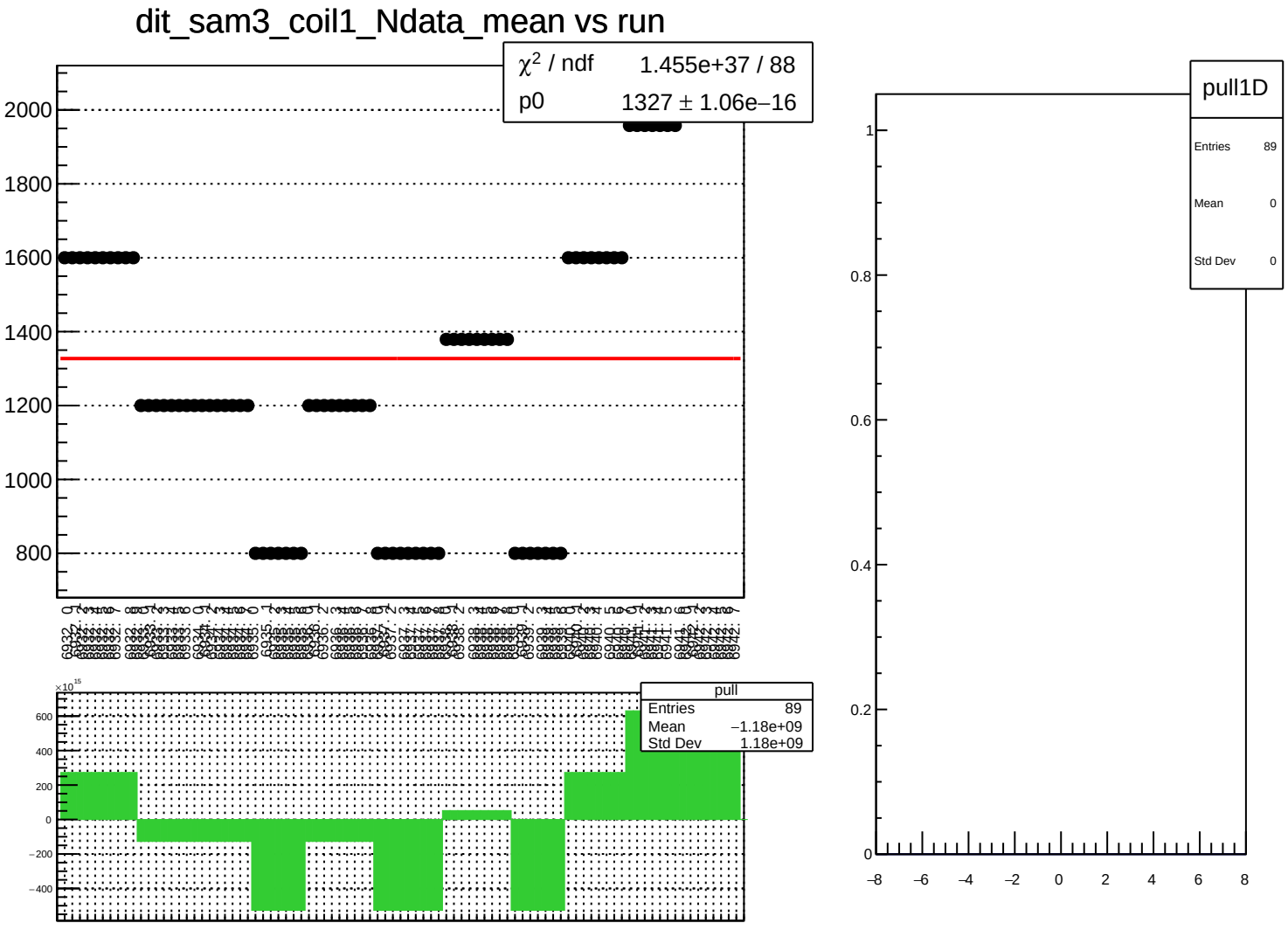

dit_sam2_coil1_mean vs run
χ^2 / ndf 1.159e+38 / 88
p0 1.043e+05 ± 1.06e−16
pull
Entries 89
Mean 3.368e+08
Std Dev 3.368e+08
pull1D
Entries 89
Mean 0
Std Dev 0

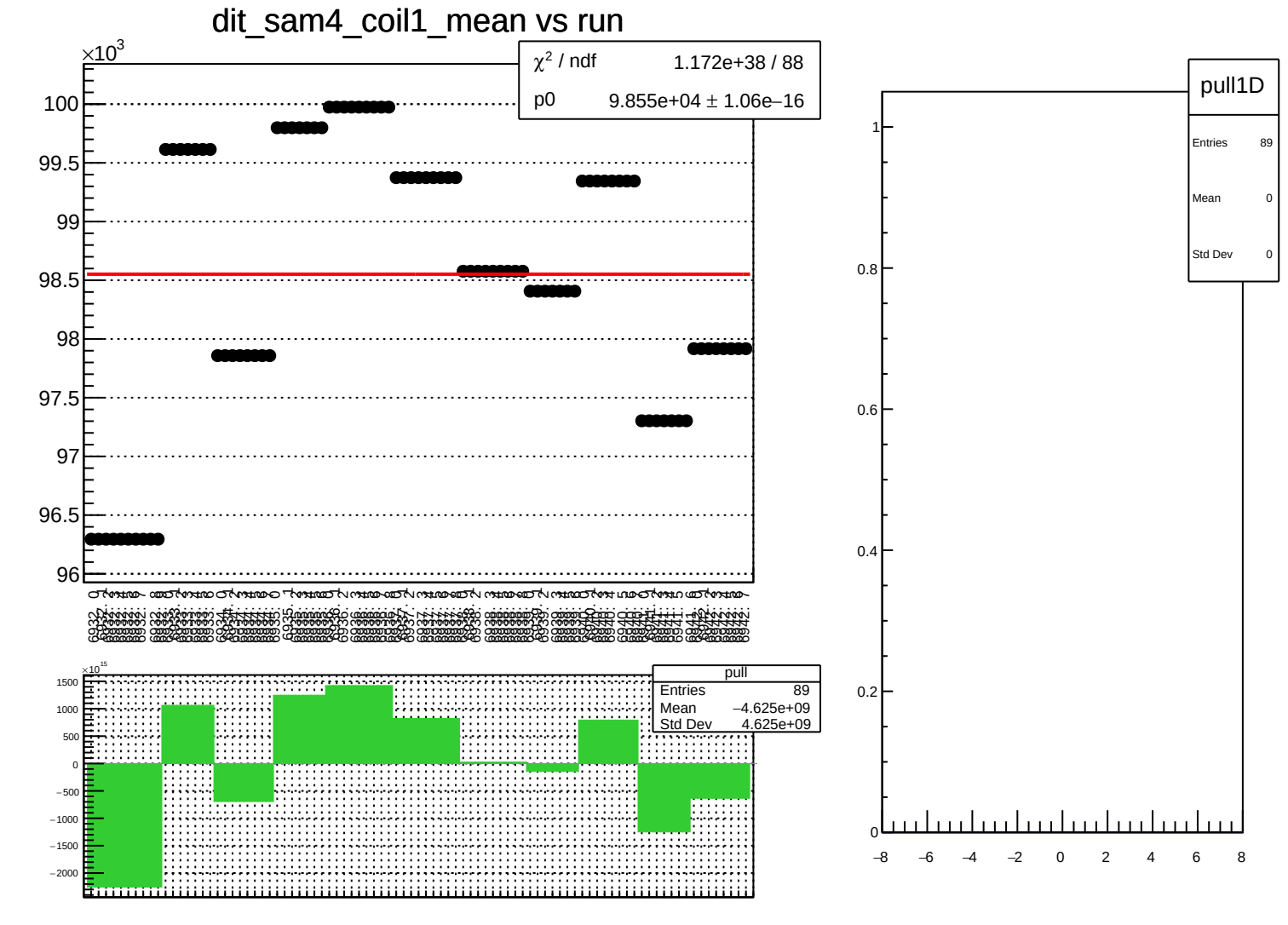

dit_sam2_coil1_err_mean vs run
χ² / ndf 5.263e+36 / 88
p0 1081± 1.06e−16
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 89
Mean 5.541e+08
Std Dev 5.541e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

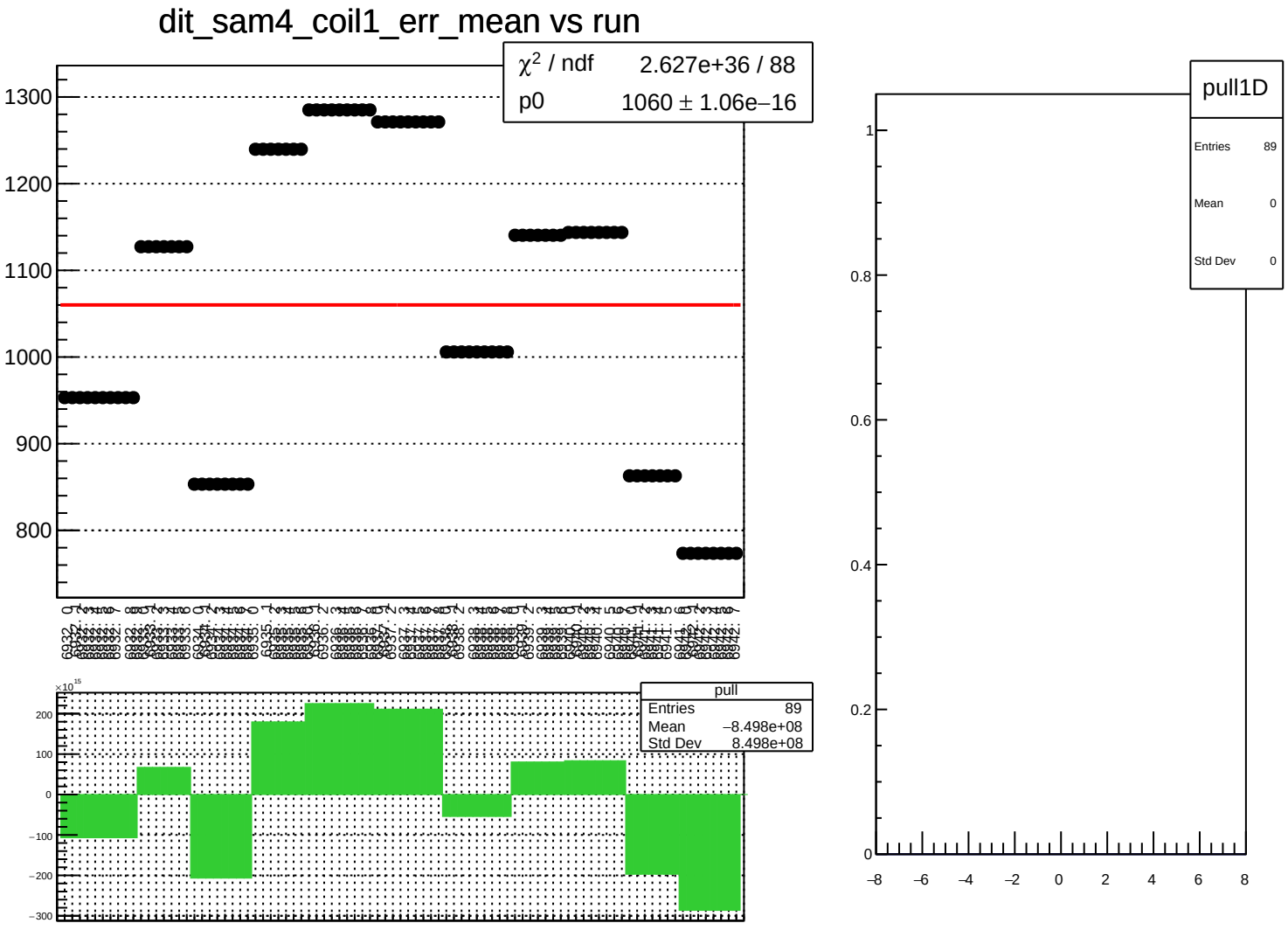

dit_sam2_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

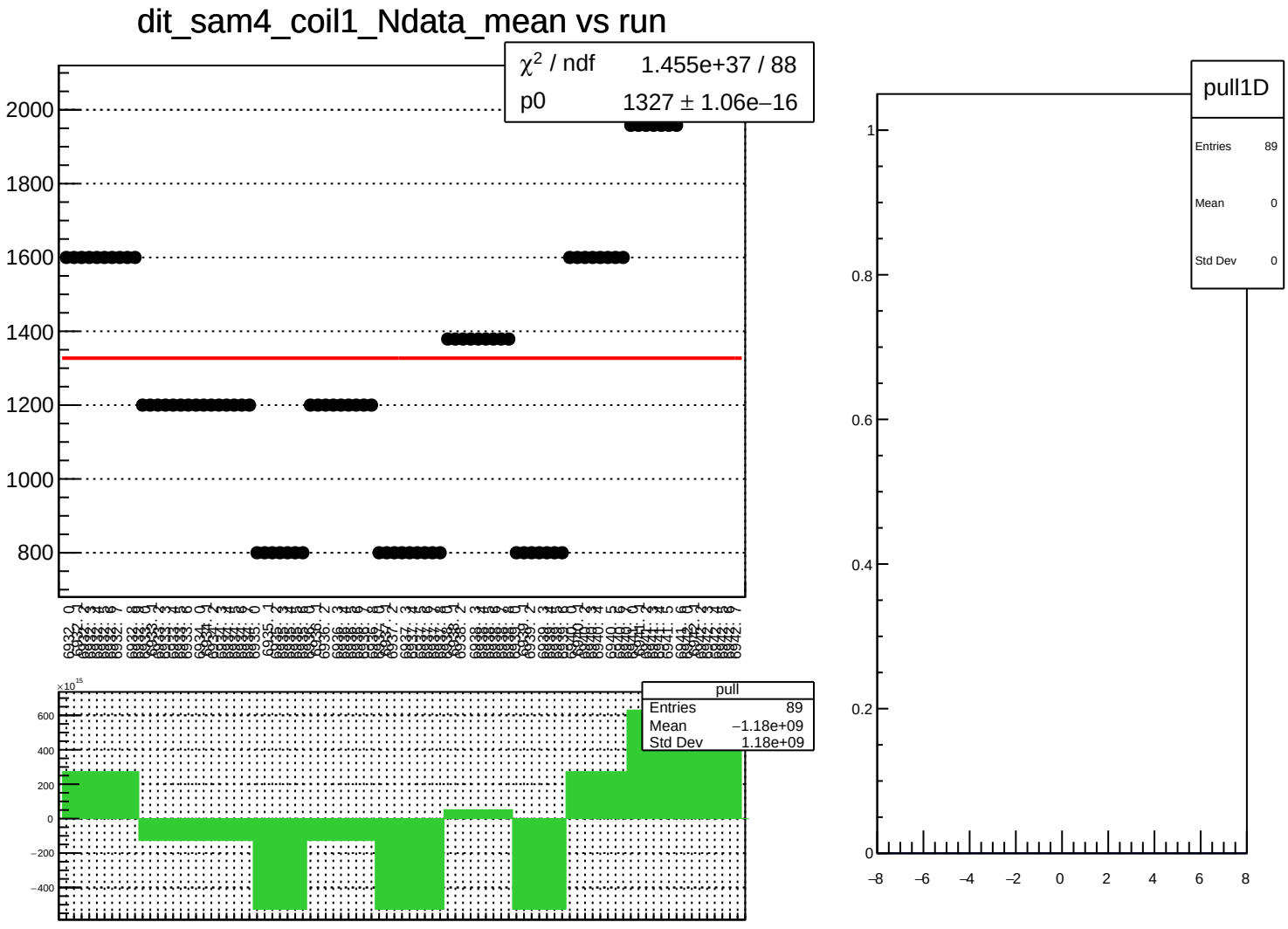

dit_sam3_coil1_mean vs run
χ² / ndf 8.406e+37 / 88
p0 5.703e+04 ± 1.06e−16
58500
58000
57500
57000
56500
56000
55500
pull
Entries 89
Mean 8.377e+07
Std Dev 8.377e+07
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

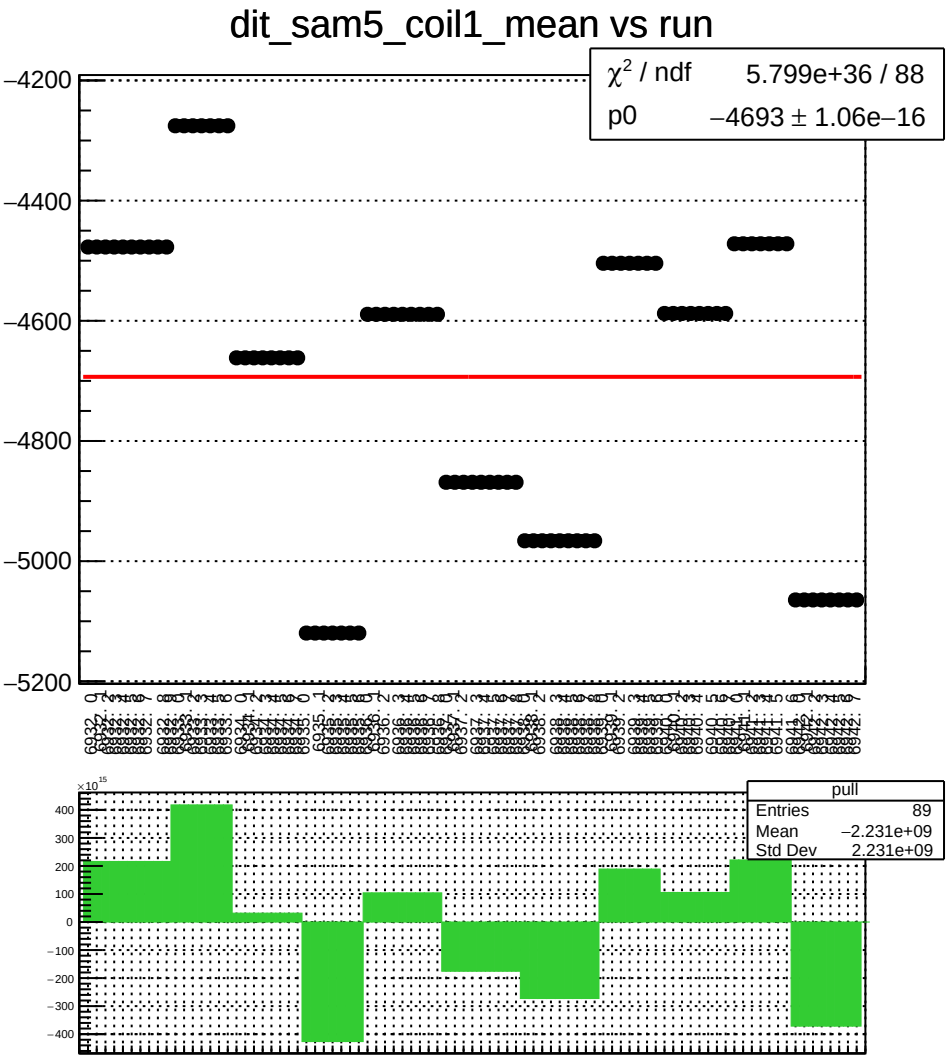

dit_sam3_coil1_err_mean vs run
χ² / ndf 1.584e+36 / 88
p0 646.2 ± 1.06e−16
850
800
750
700
650
600
550
500
450
400
pull
Entries 89
Mean −2.357e+09
Std Dev 2.357e+09
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

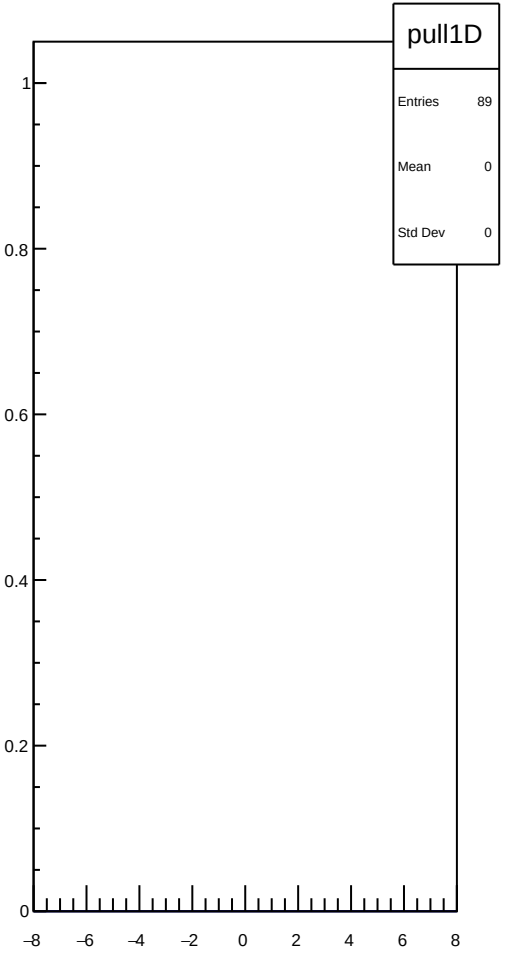

dit_sam3_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

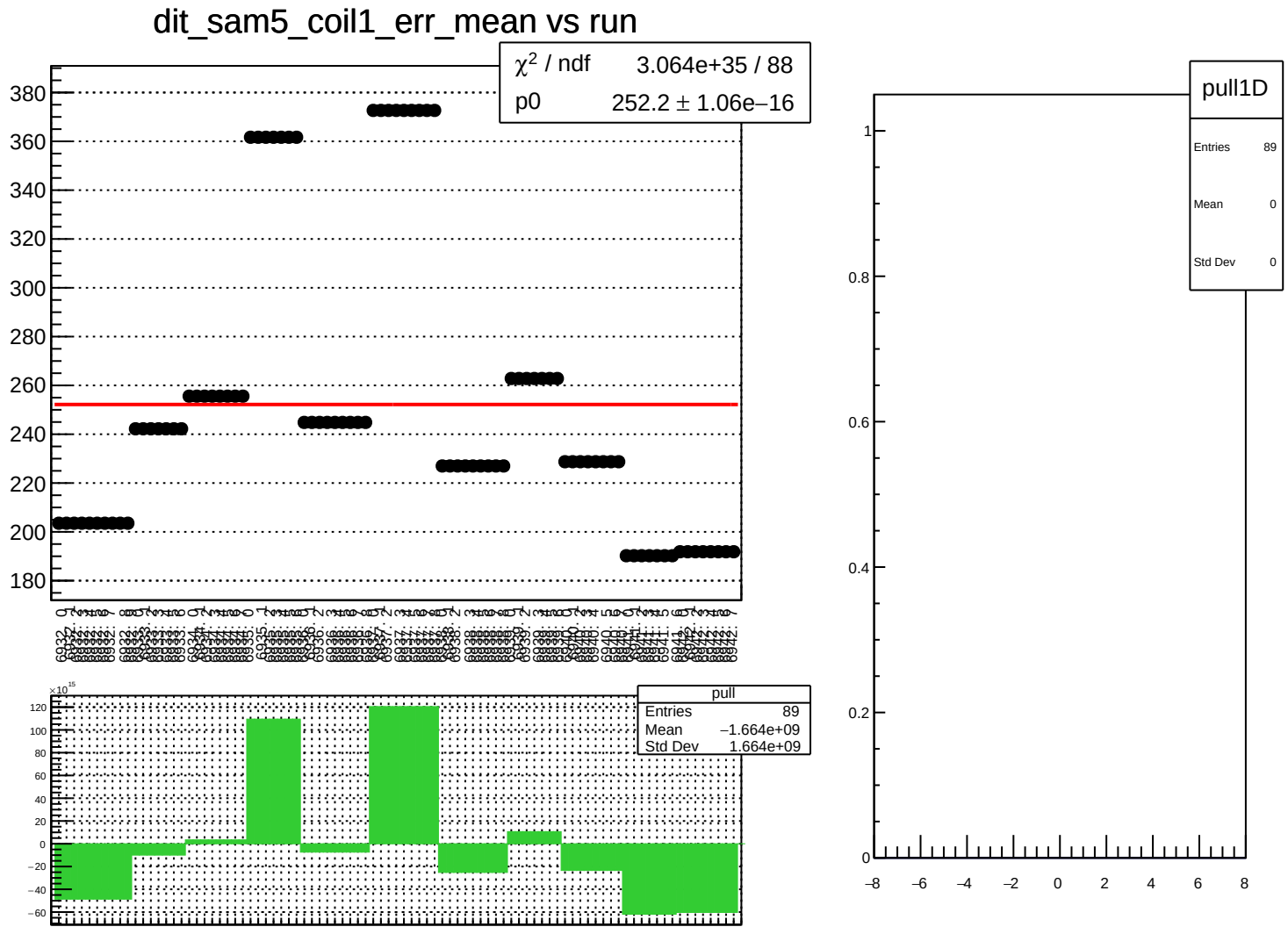

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf 1.172e+38 / 88
p0 9.855e+04 ± 1.06e−16
100
99.5
99
98.5
98
97.5
97
96.5
96
×10^15
pull
Entries 89
Mean −4.625e+09
Std Dev 4.625e+09
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

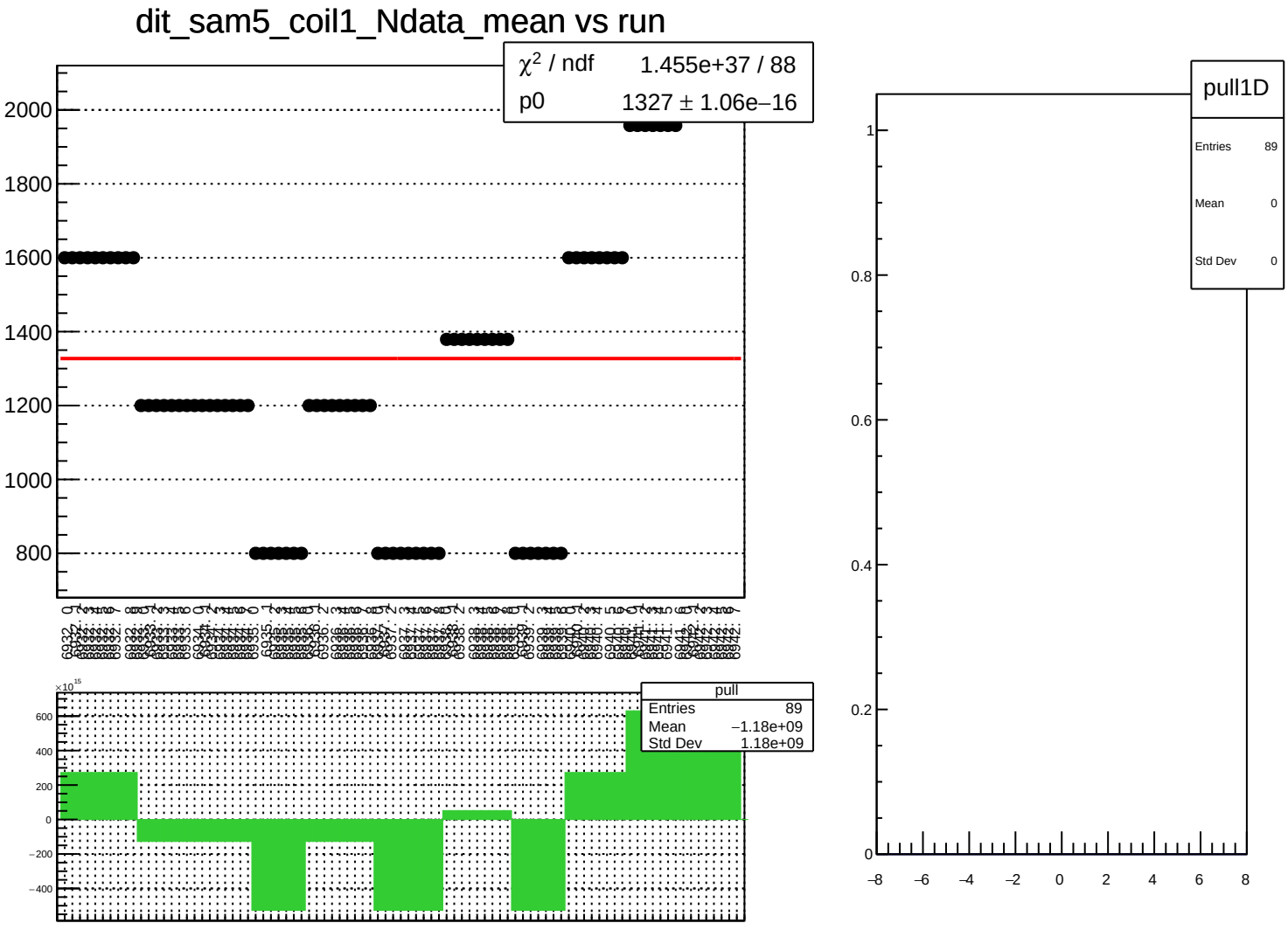

dit_sam4_coil1_err_mean vs run
χ² / ndf 2.627e+36 / 88
p0 1060 ± 1.06e−16
1300
1200
1100
1000
900
800
pull
Entries 89
Mean −8.498e+08
Std Dev 8.498e+08
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

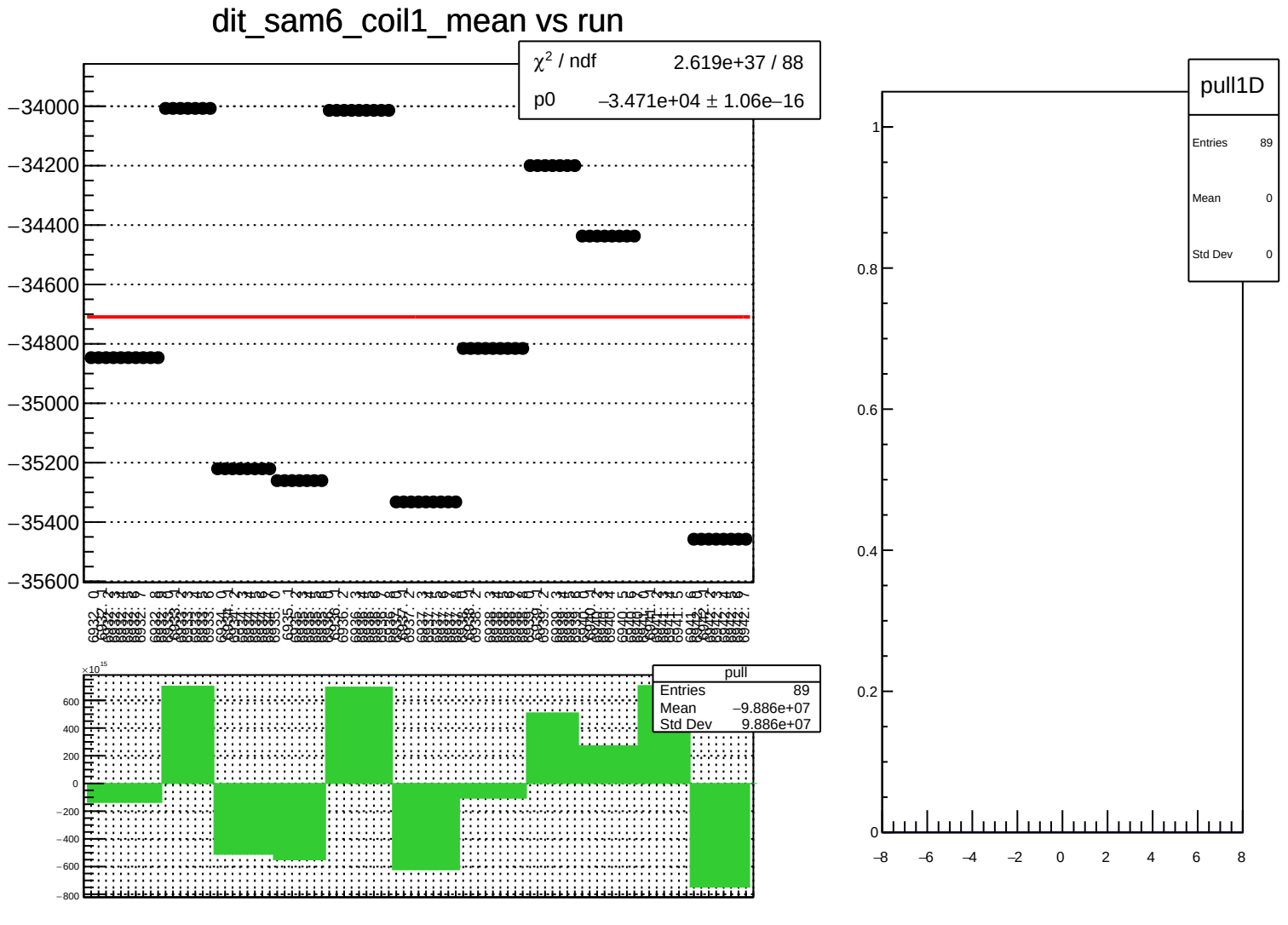

dit_sam4_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

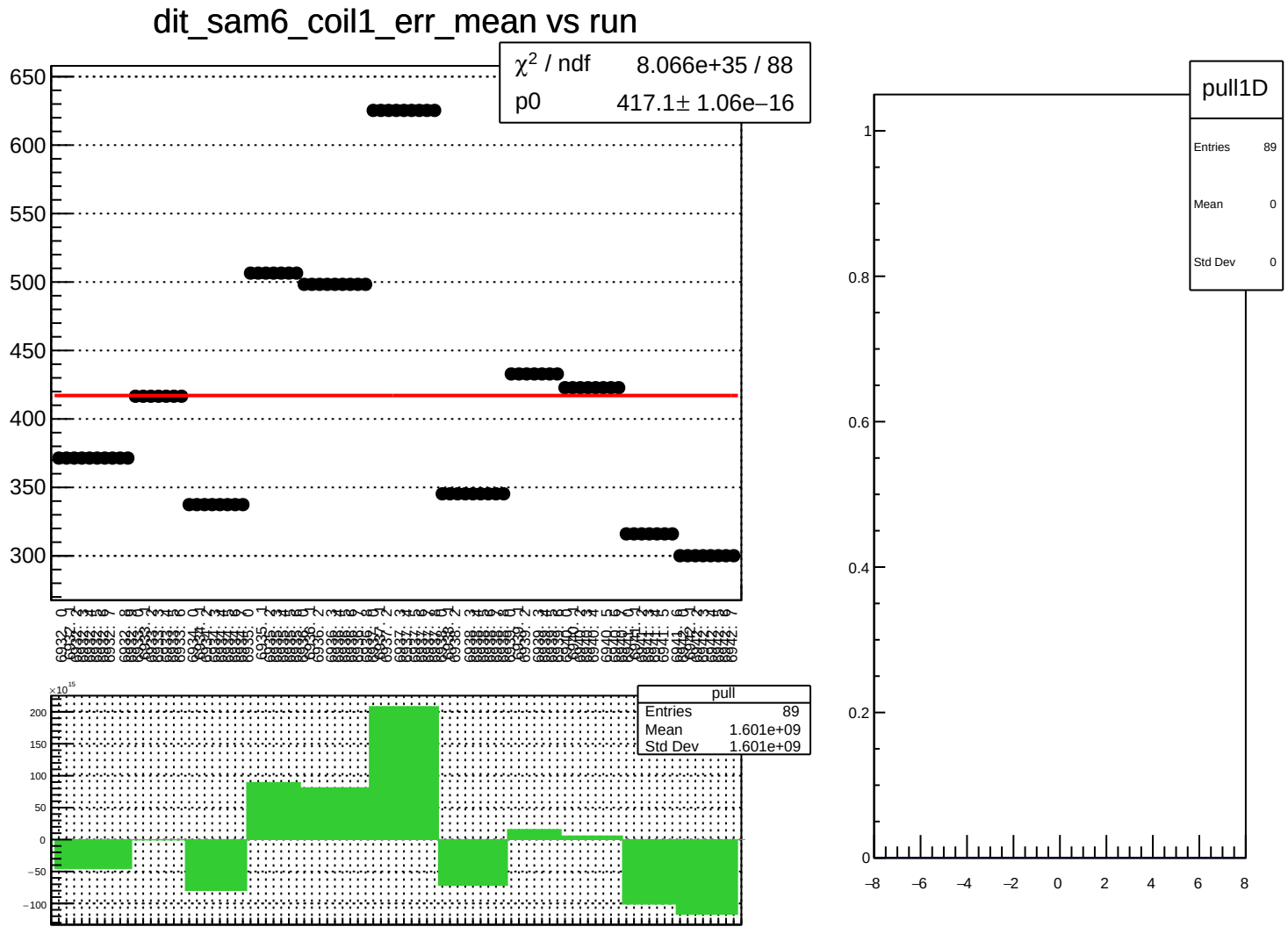

dit_sam5_coil1_mean vs run
χ² / ndf 5.799e+36 / 88
p0 −4693 ± 1.06e−16
−4200
−4400
−4600
−4800
−5000
−5200
pull
Entries 89
Mean −2.231e+09
Std Dev 2.231e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400

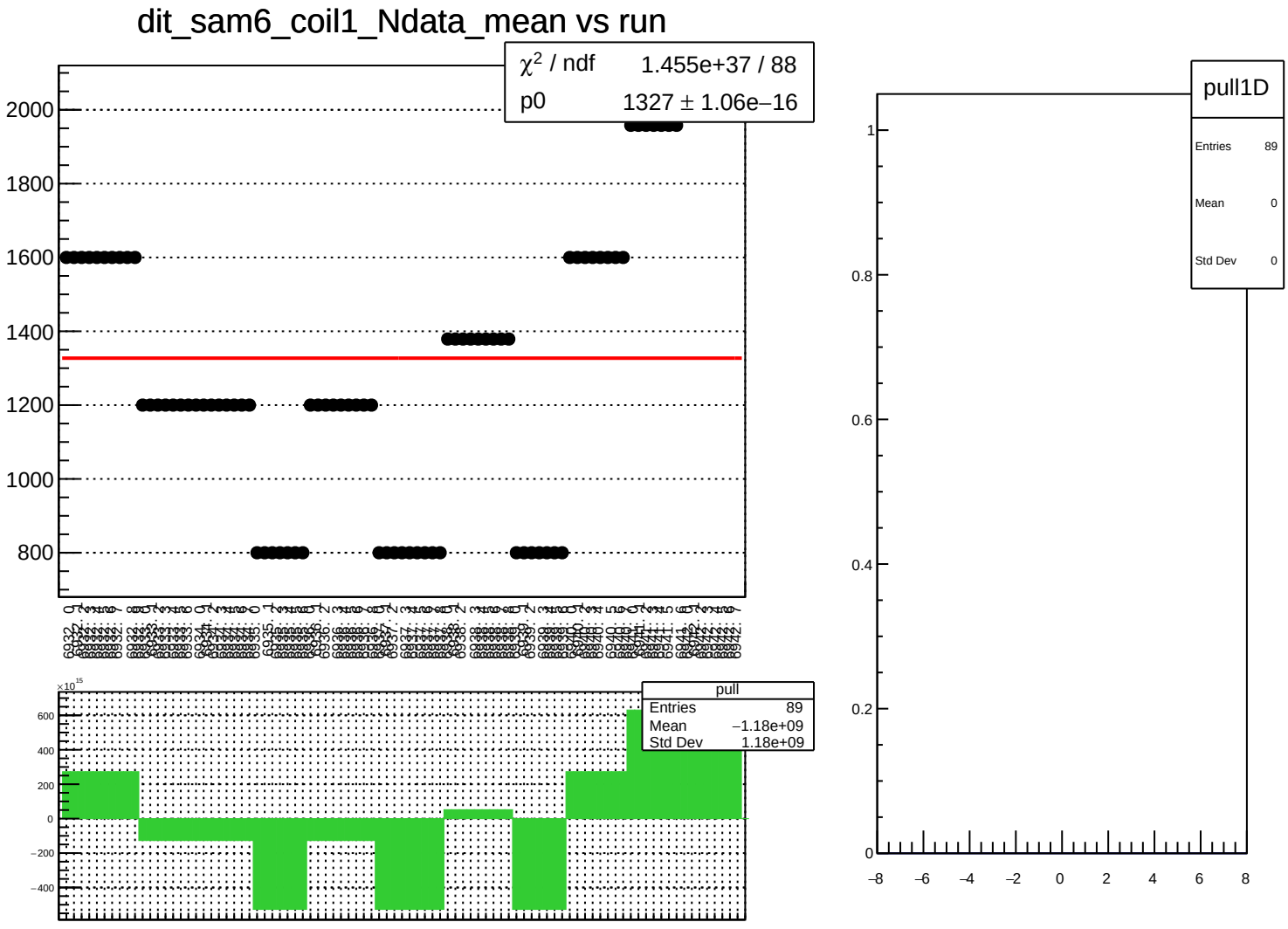

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

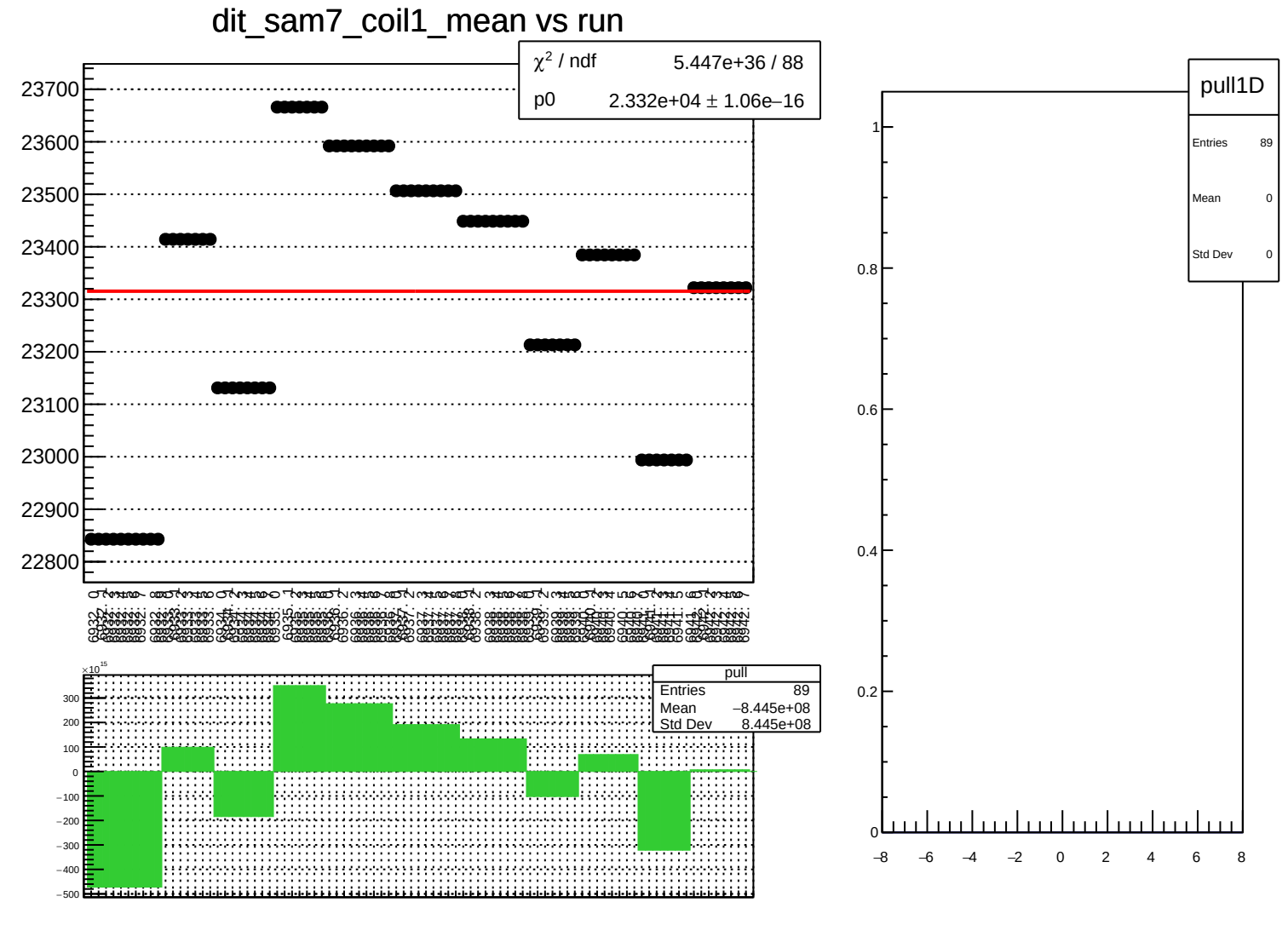

dit_sam5_coil1_err_mean vs run
χ² / ndf 3.064e+35 / 88
p0 252.2 ± 1.06e−16
pull
Entries 89
Mean −1.664e+09
Std Dev 1.664e+09
pull1D
Entries 89
Mean 0
Std Dev 0

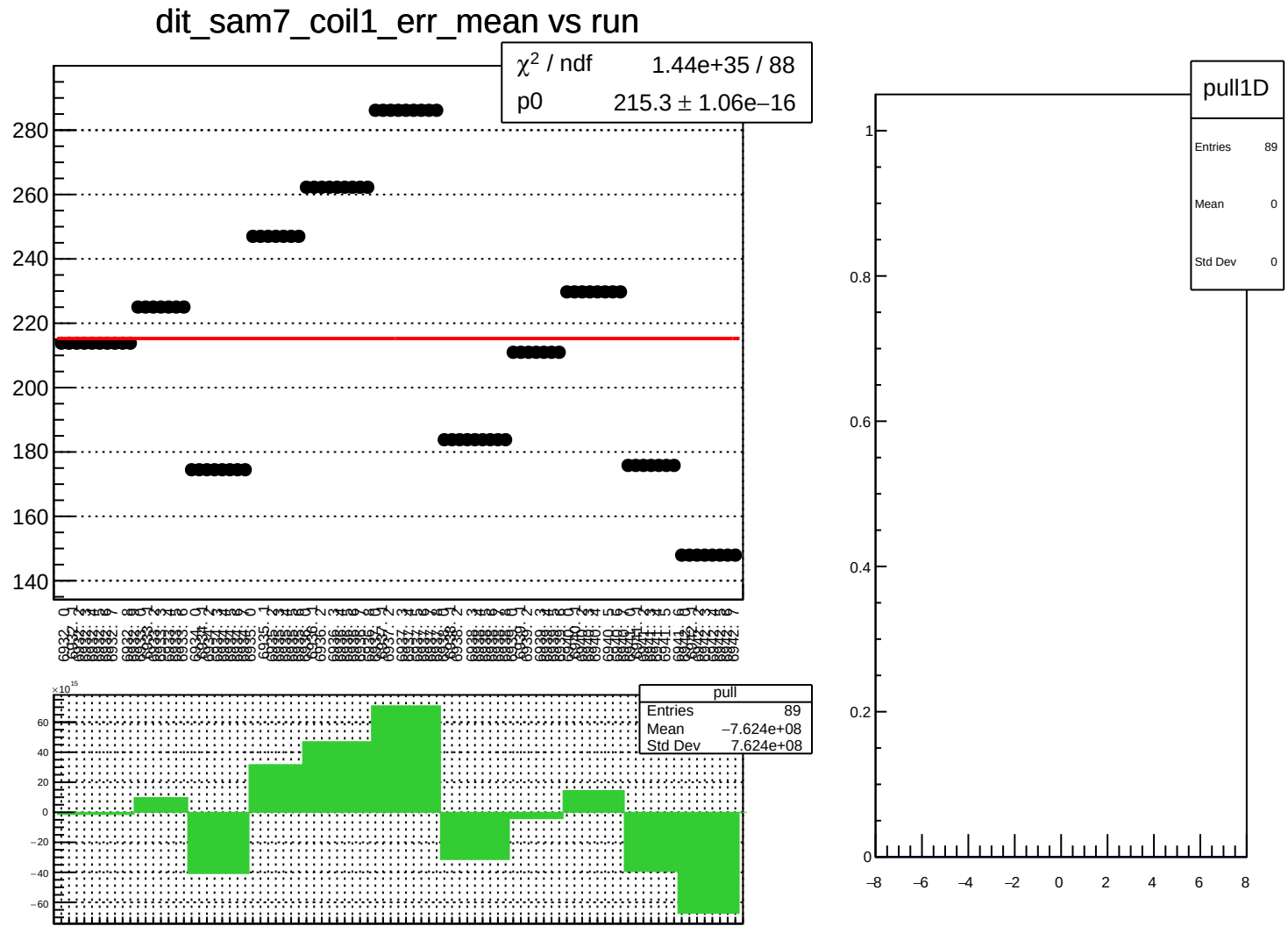

dit_sam5_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

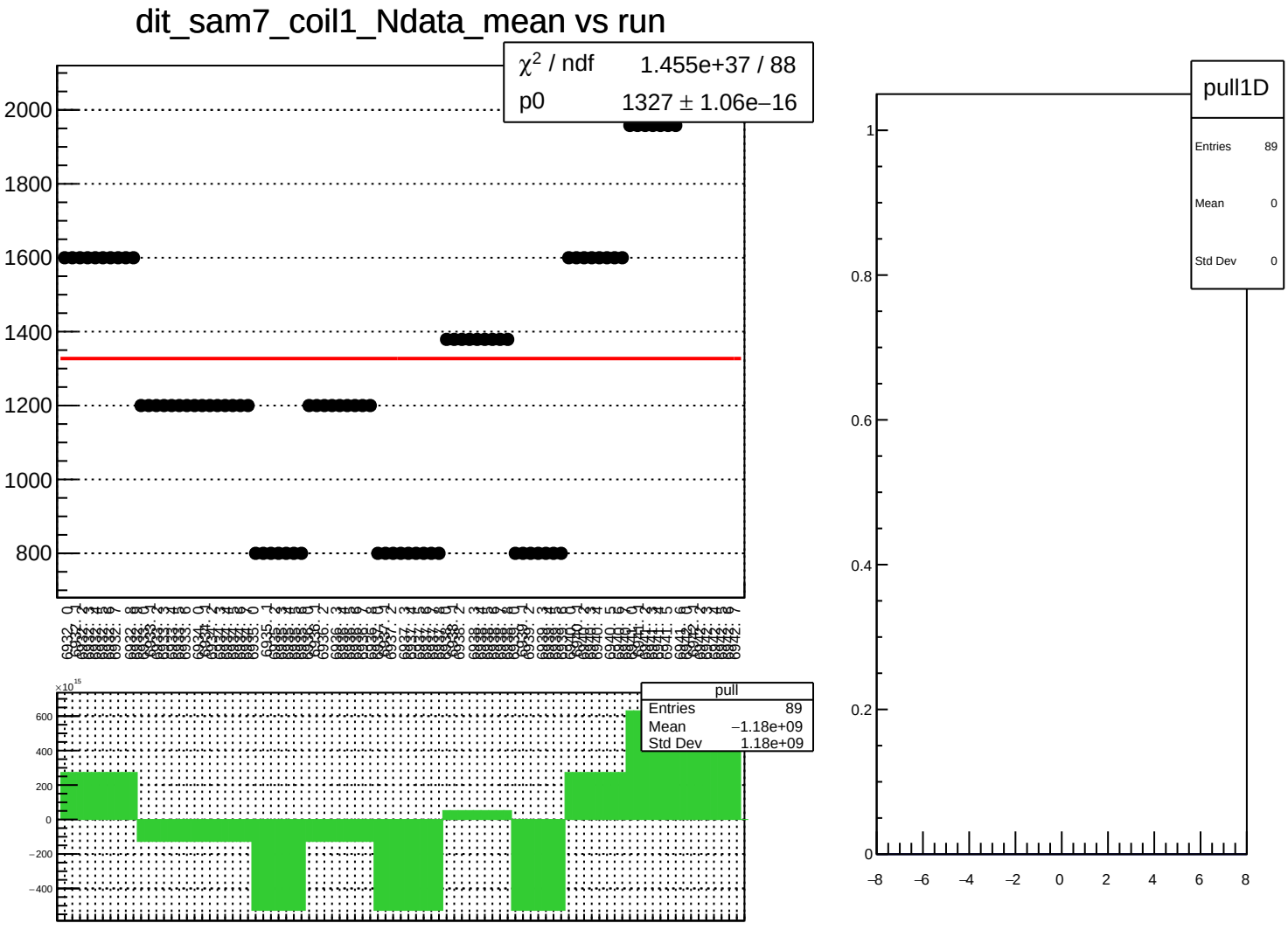

dit_sam6_coil1_mean vs run
χ² / ndf 2.619e+37 / 88
p0 −3.471e+04 ± 1.06e−16
−34000
−34200
−34400
−34600
−34800
−35000
−35200
−35400
−35600
pull
Entries 89
Mean −9.886e+07
Std Dev 9.886e+07
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

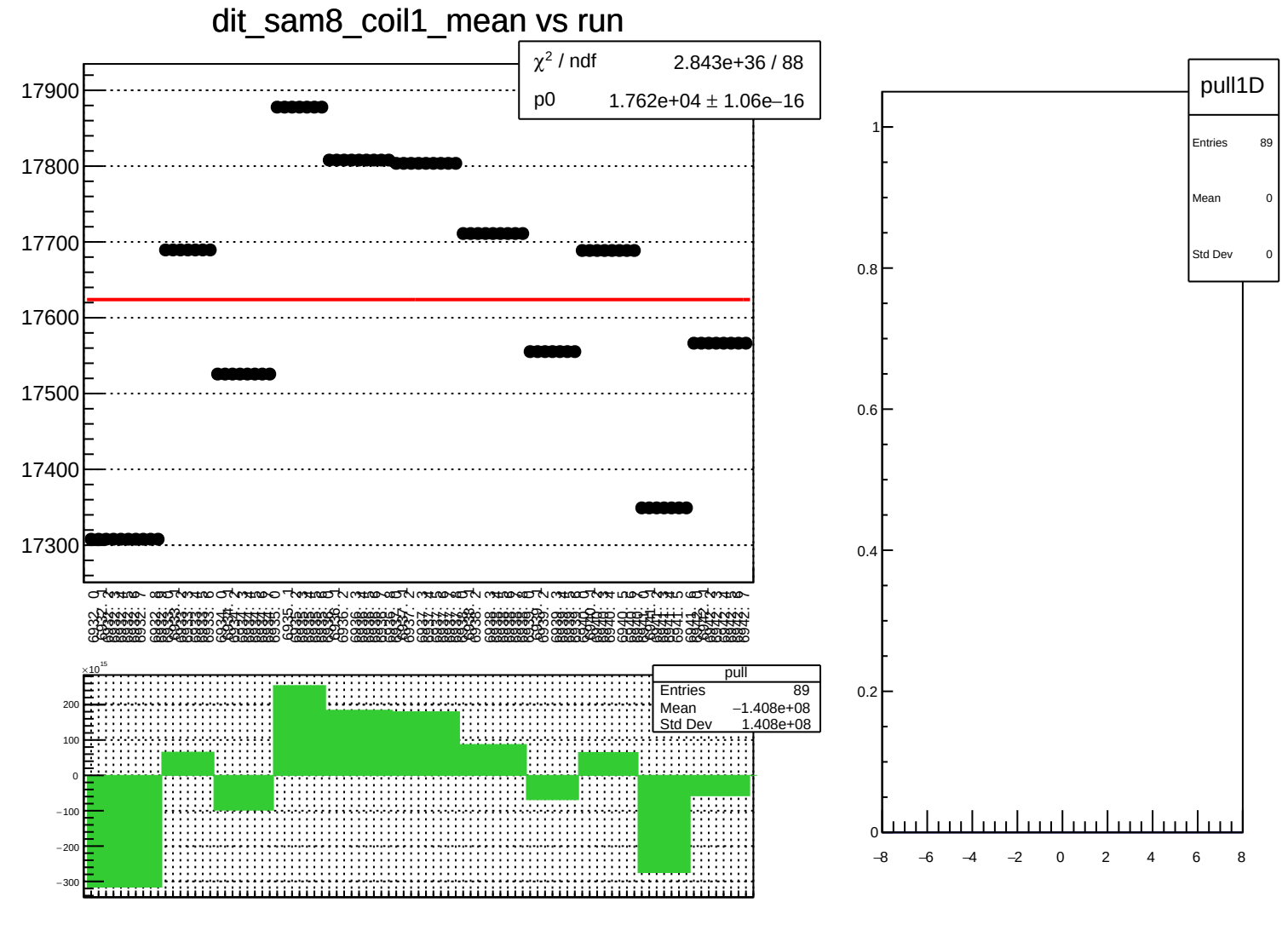

dit_sam6_coil1_err_mean vs run
χ² / ndf 8.066e+35 / 88
p0 417.1± 1.06e−16
650
600
550
500
450
400
350
300
pull
Entries 89
Mean 1.601e+09
Std Dev 1.601e+09
×10¹⁵
200
150
100
50
0
−50
−100
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

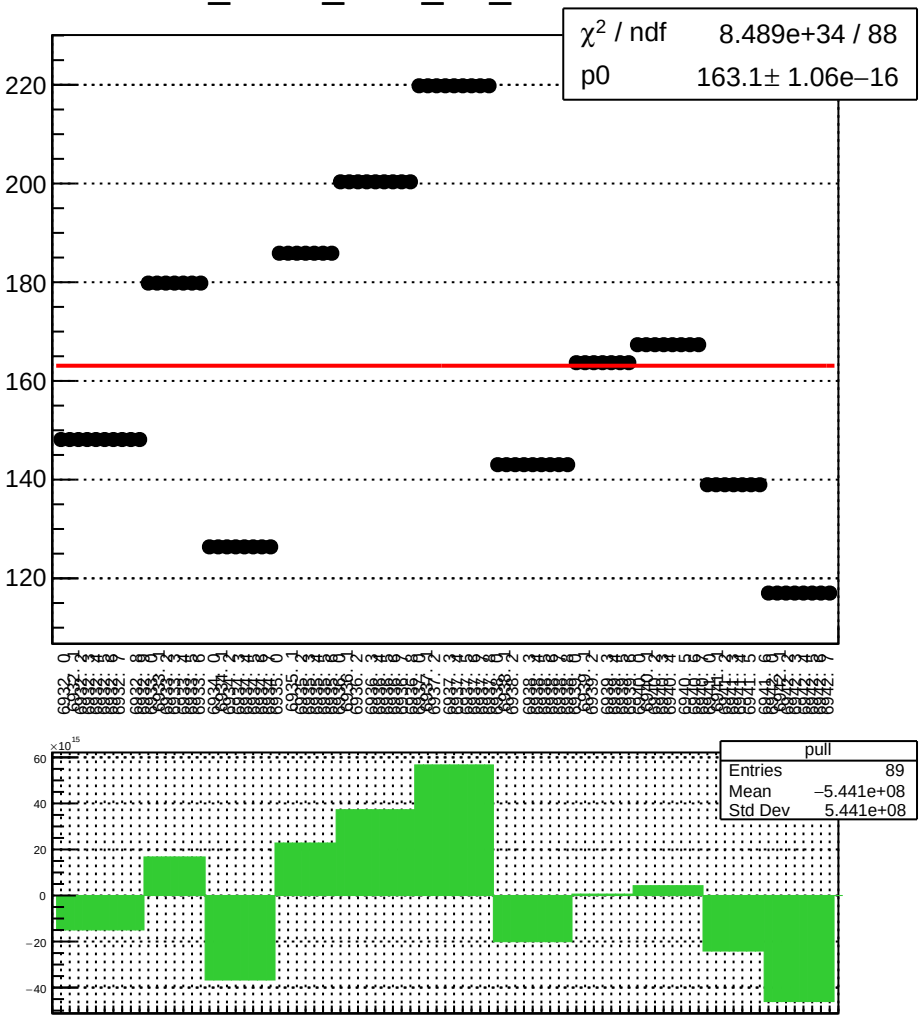

dit_sam7_coil1_mean vs run
χ² / ndf 5.447e+36 / 88
p0 2.332e+04 ± 1.06e−16
23700
23600
23500
23400
23300
23200
23100
23000
22900
22800
pull
Entries 89
Mean −8.445e+08
Std Dev 8.445e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

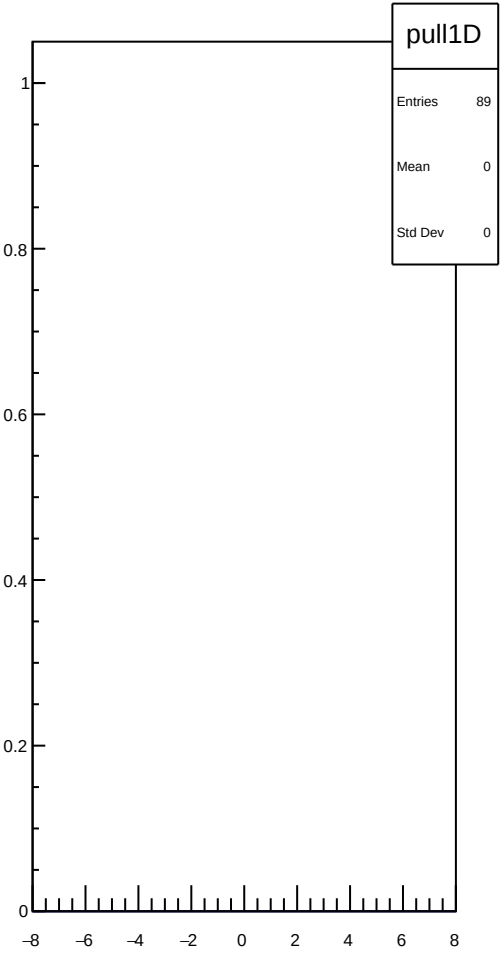

dit_sam7_coil1_err_mean vs run
χ² / ndf 1.44e+35 / 88
p0 215.3 ± 1.06e−16
pull
Entries 89
Mean −7.624e+08
Std Dev 7.624e+08
pull1D
Entries 89
Mean 0
Std Dev 0

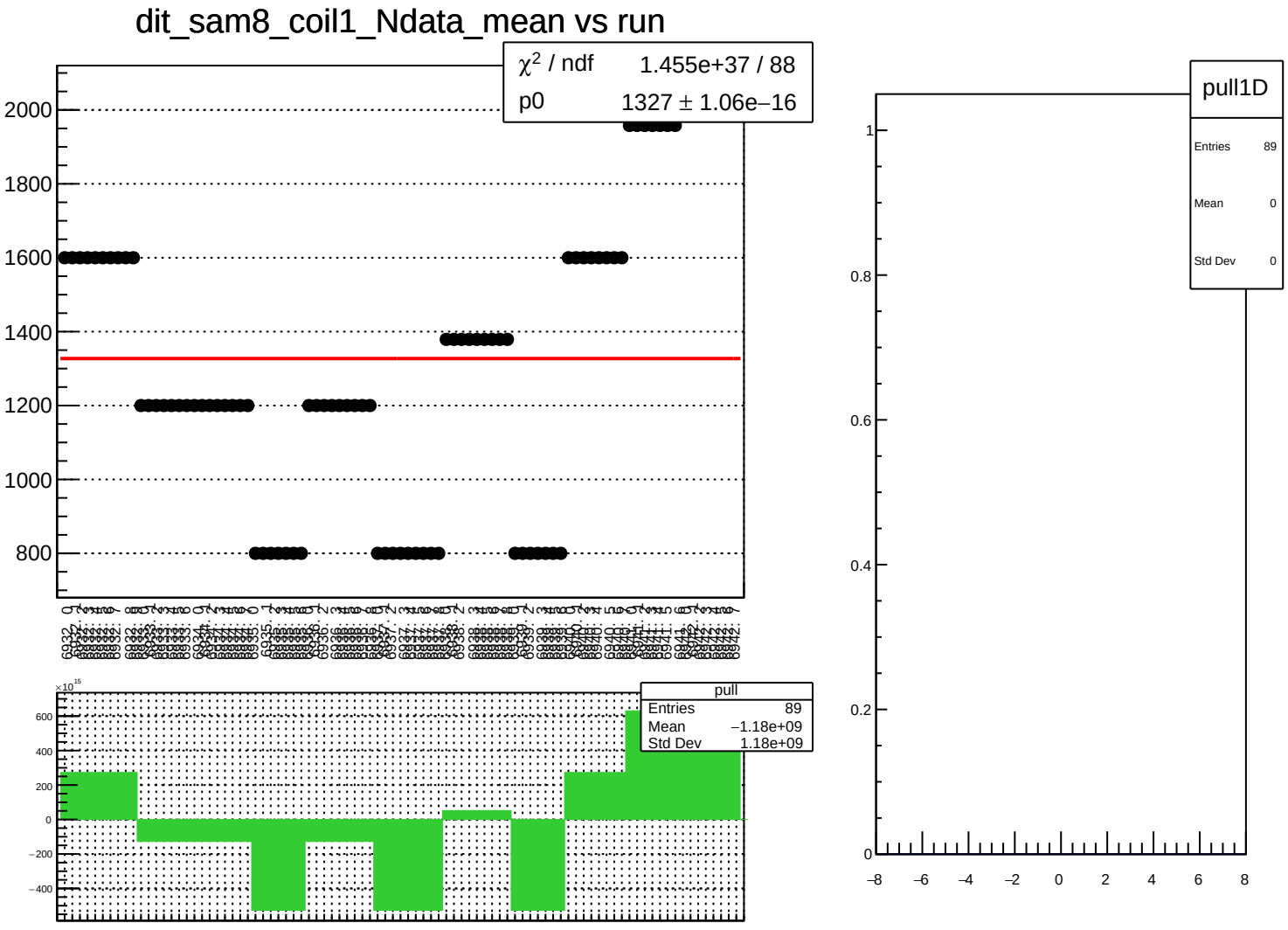

dit_sam7_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

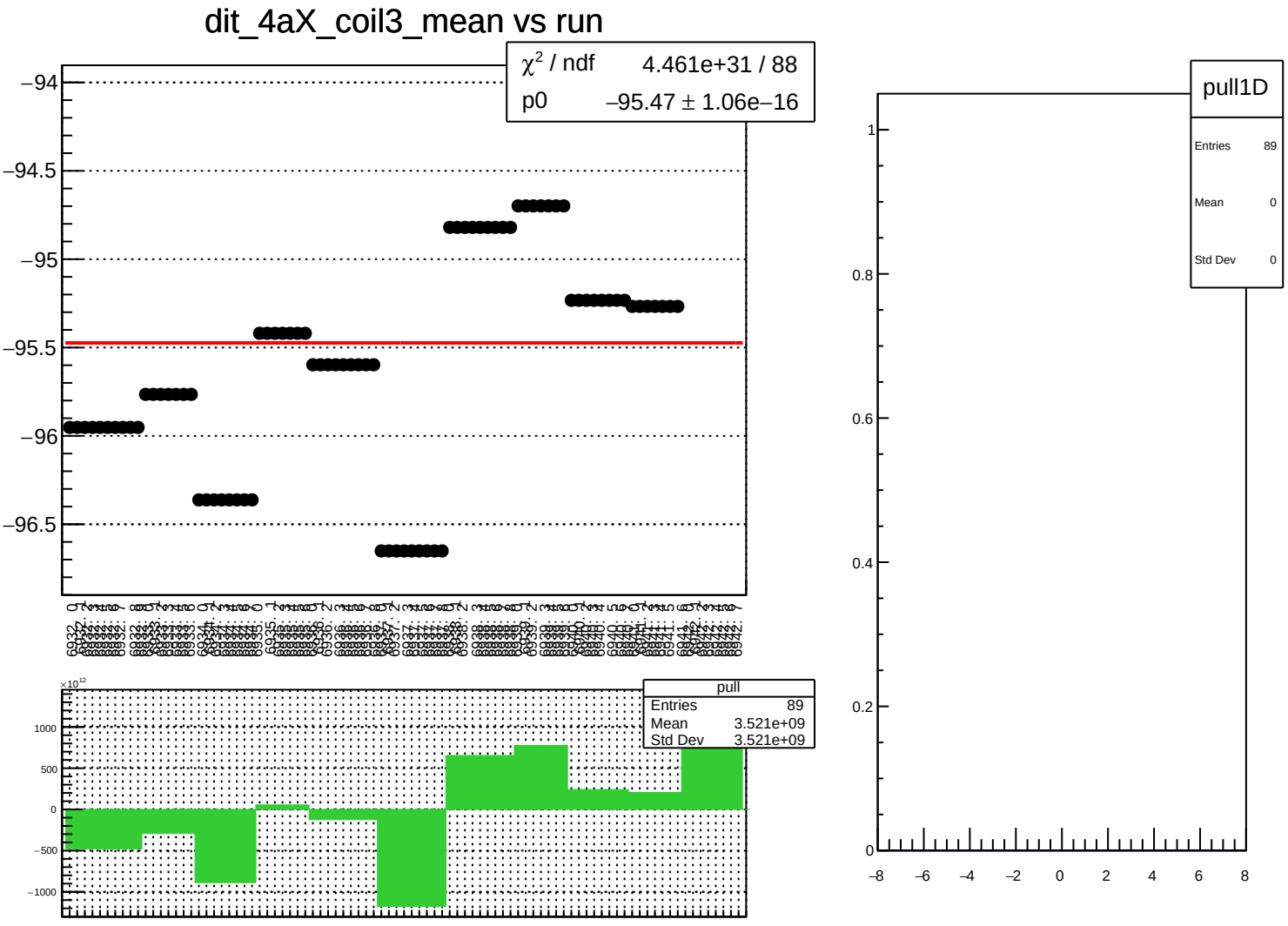

dit_sam8_coil1_mean vs run
χ² / ndf 2.843e+36 / 88
p0 1.762e+04 ± 1.06e−16
17900
17800
17700
17600
17500
17400
17300
pull
Entries 89
Mean −1.408e+08
Std Dev 1.408e+08
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil1_err_mean vs run

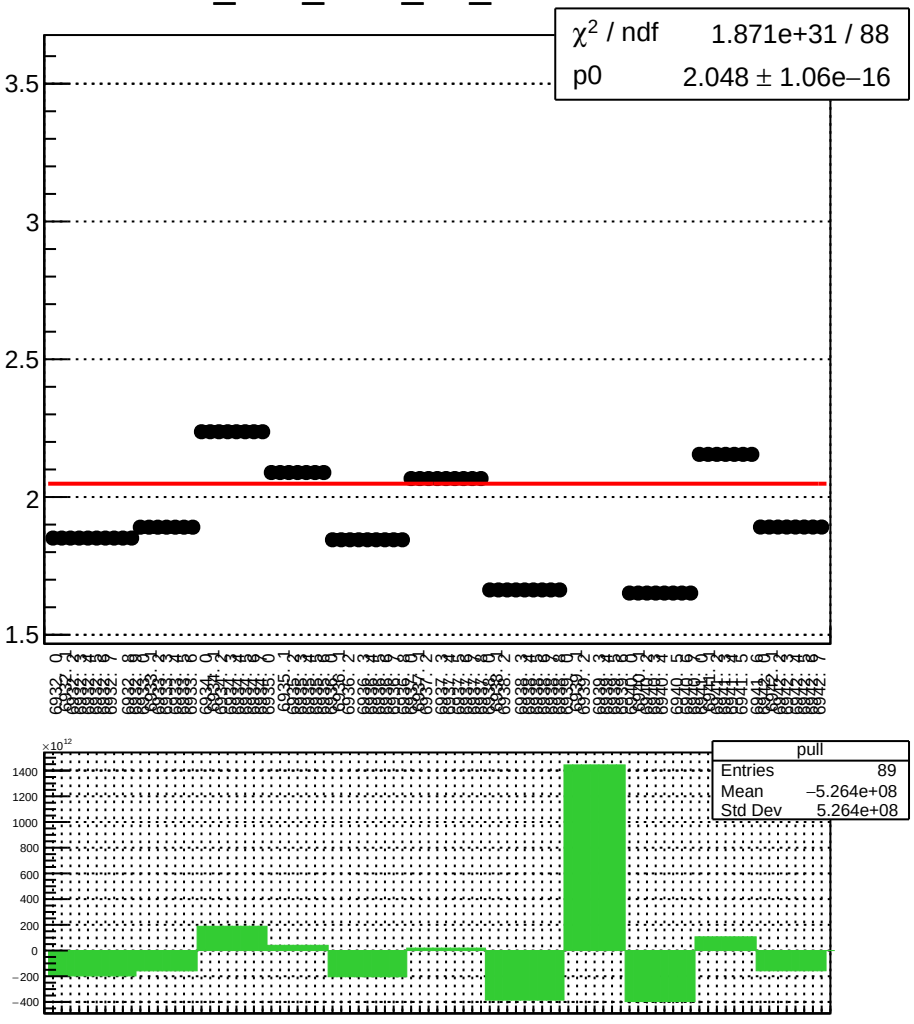


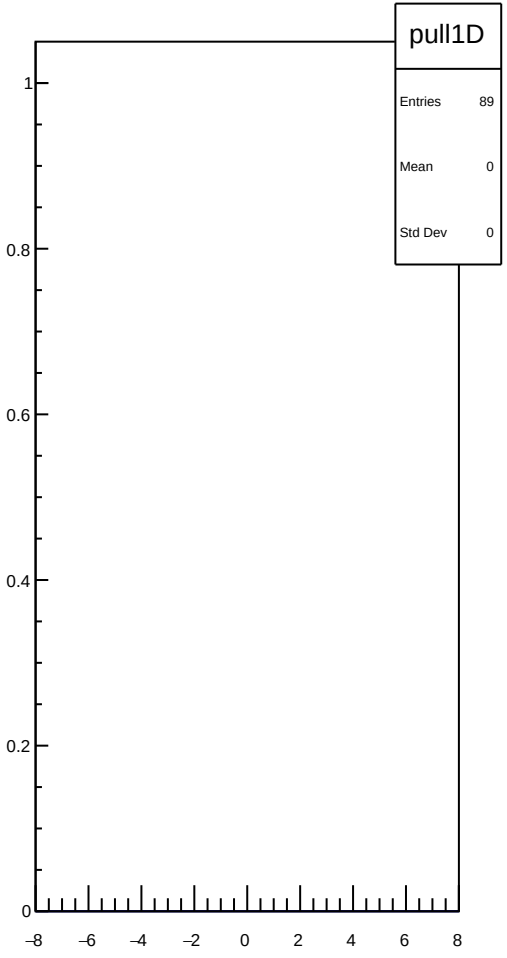



dit_sam8_coil1_Ndata_mean vs run
χ2 / ndf 1.455e+37 / 88
p0 1327 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −1.18e+09
Std Dev 1.18e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

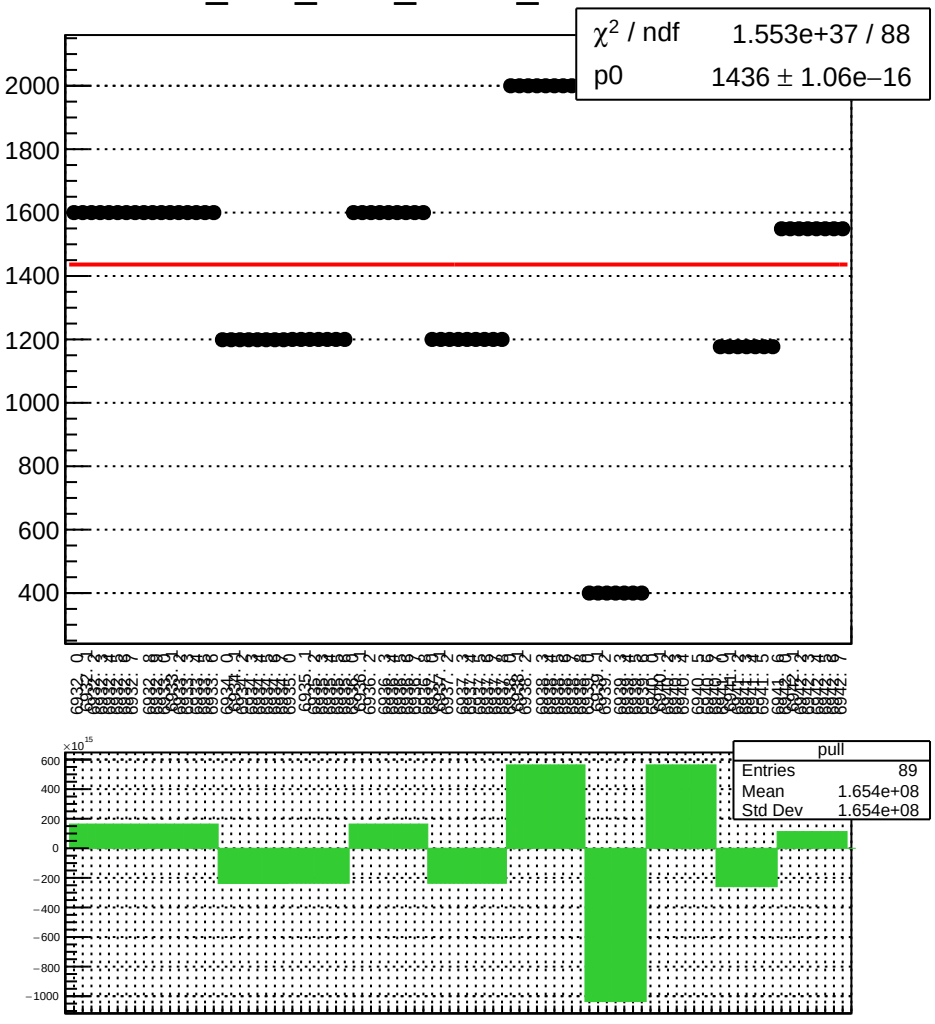

dit_4aX_coil3_mean vs run
χ² / ndf 4.461e+31 / 88
p0 –95.47 ± 1.06e–16
–94
–94.5
–95
–95.5
–96
–96.5
pull
Entries 89
Mean 3.521e+09
Std Dev 3.521e+09
×10¹²
1000
500
0
–500
–1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

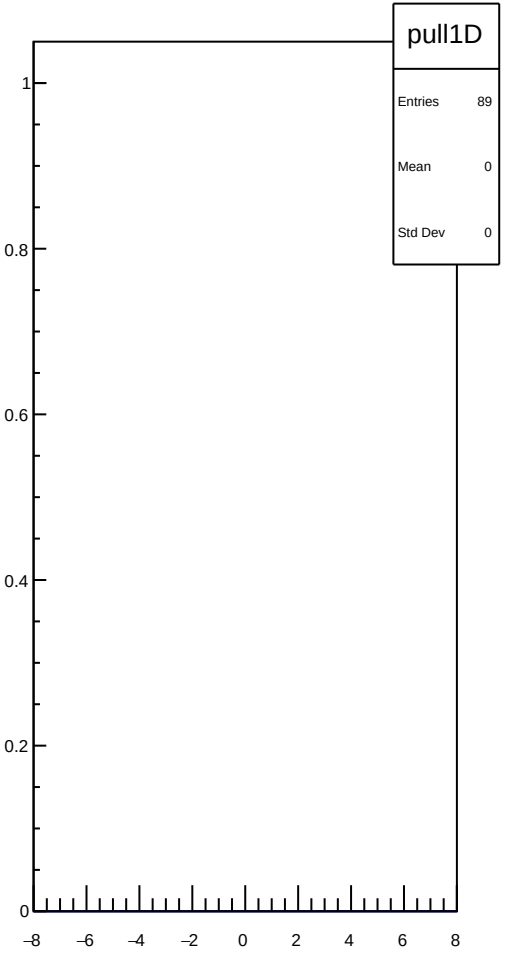
dit_4aX_coil3_err_mean vs run

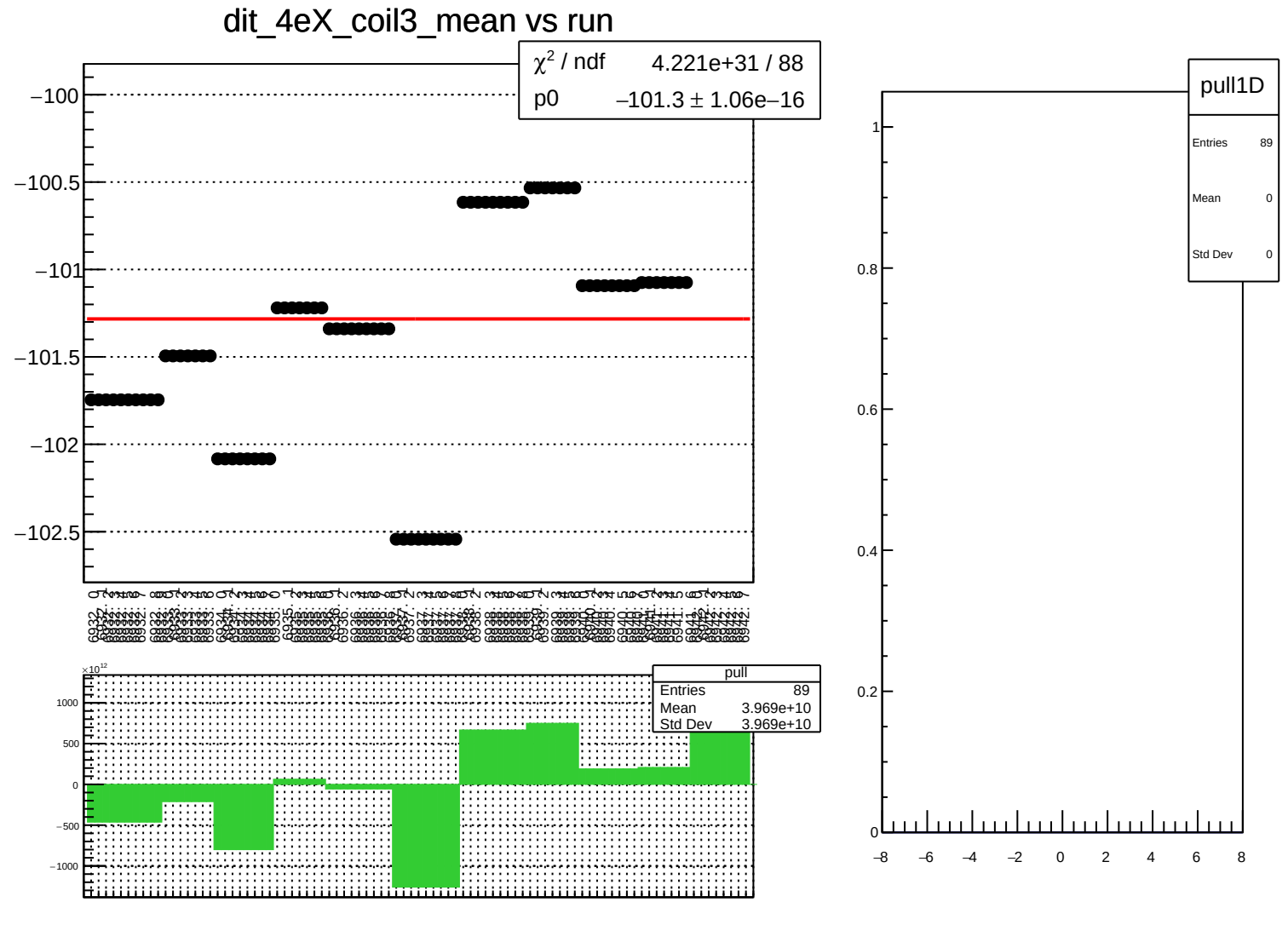




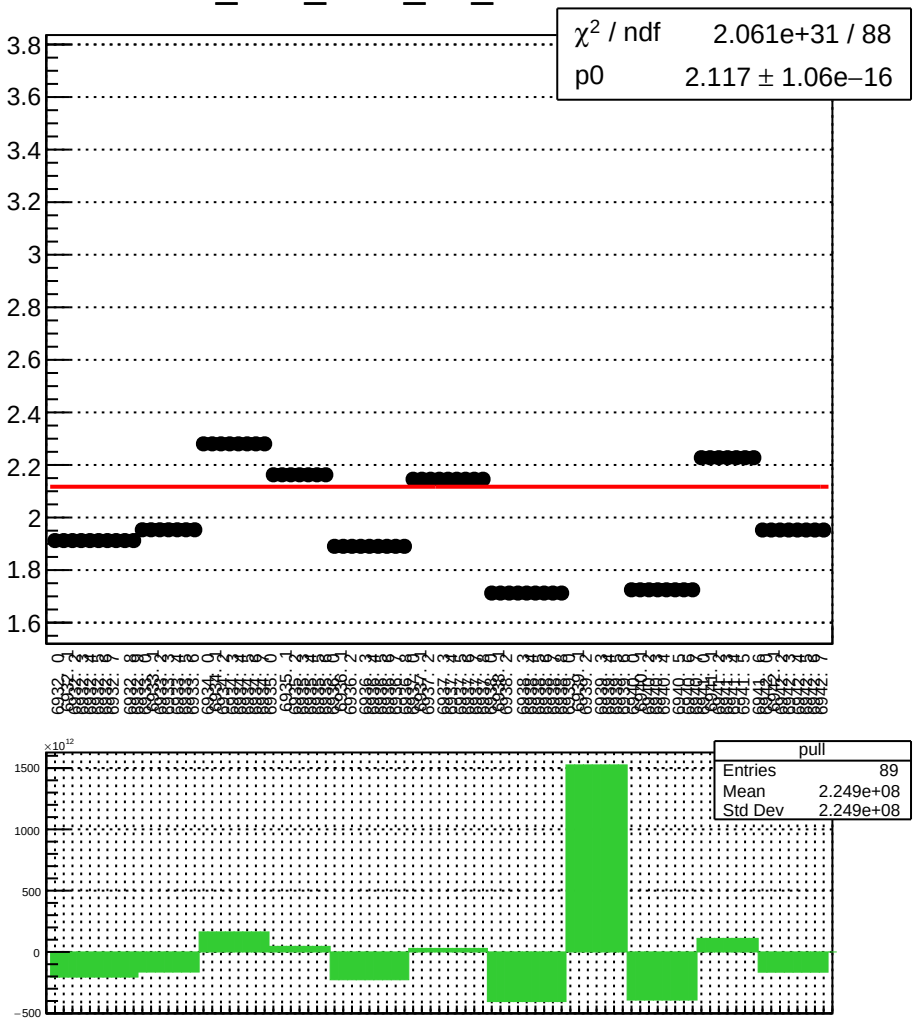
dit_4aX_coil3_Ndata_mean vs run

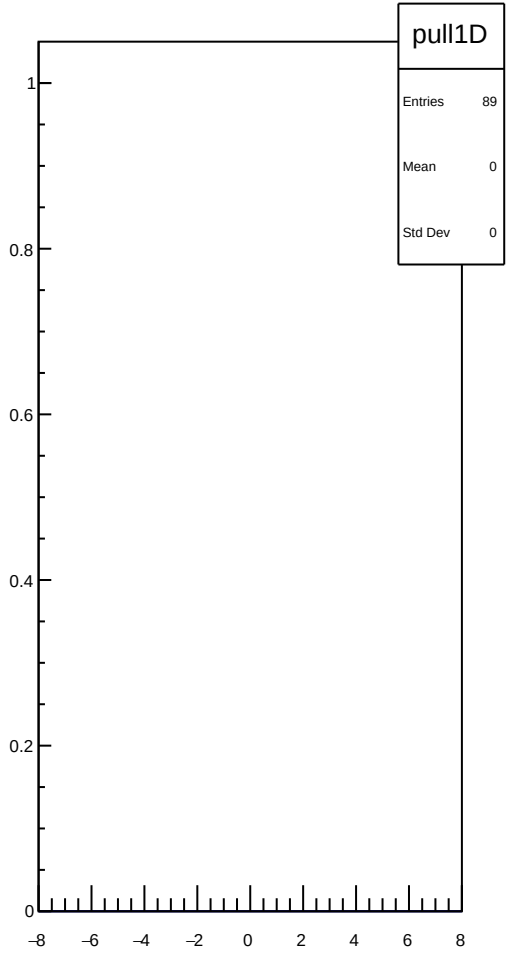




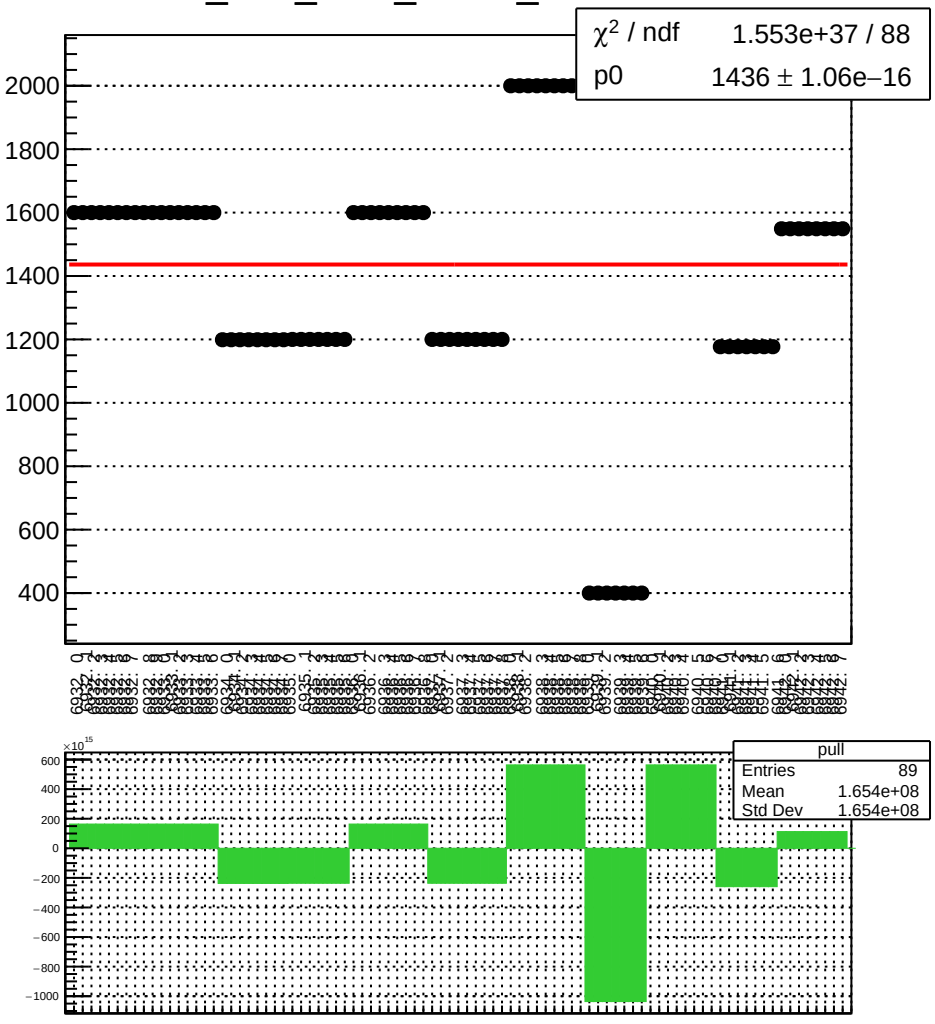

dit_4eX_coil3_mean vs run
χ² / ndf 4.221e+31 / 88
p0 −101.3 ± 1.06e−16
−100
−100.5
−101
−101.5
−102
−102.5
pull
Entries 89
Mean 3.969e+10
Std Dev 3.969e+10
×10¹²
1000
500
0
−500
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

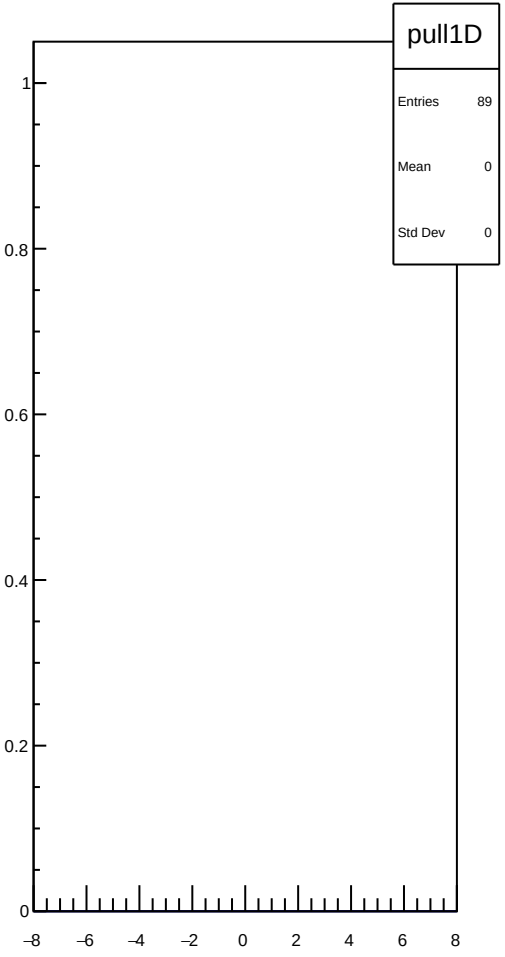
dit_4eX_coil3_err_mean vs run

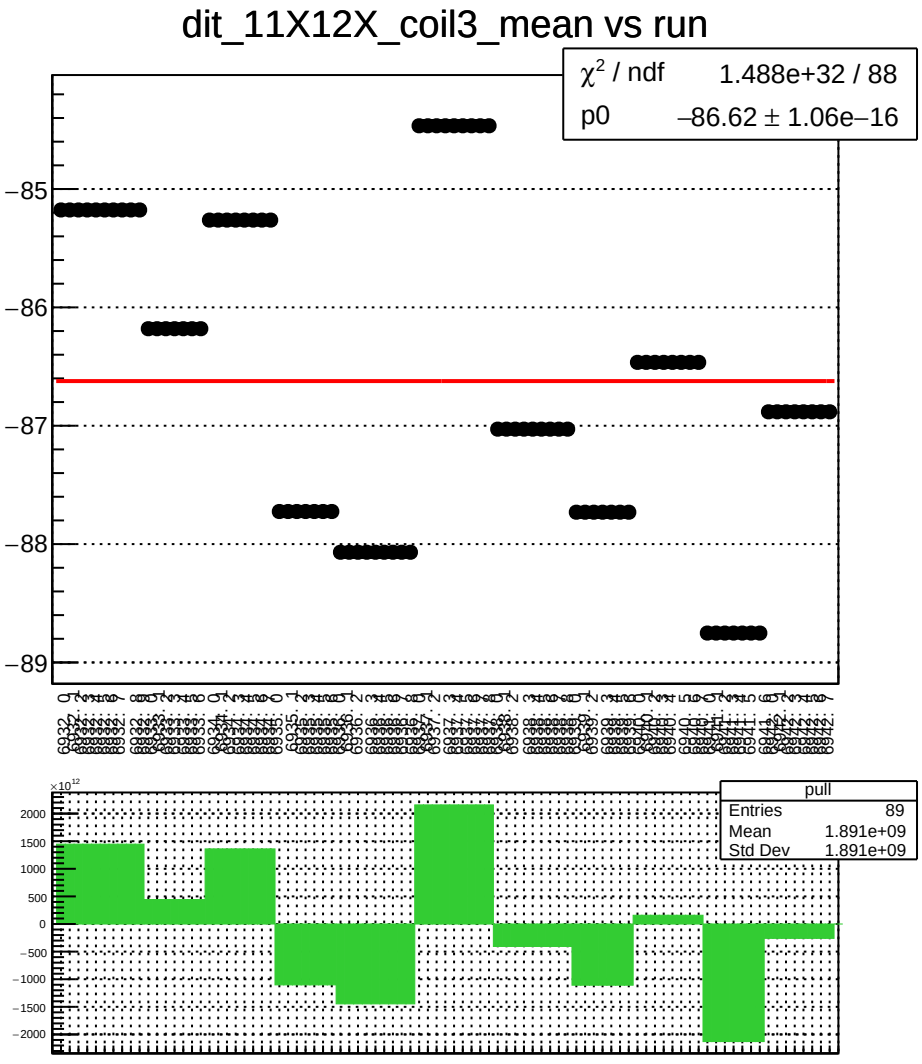


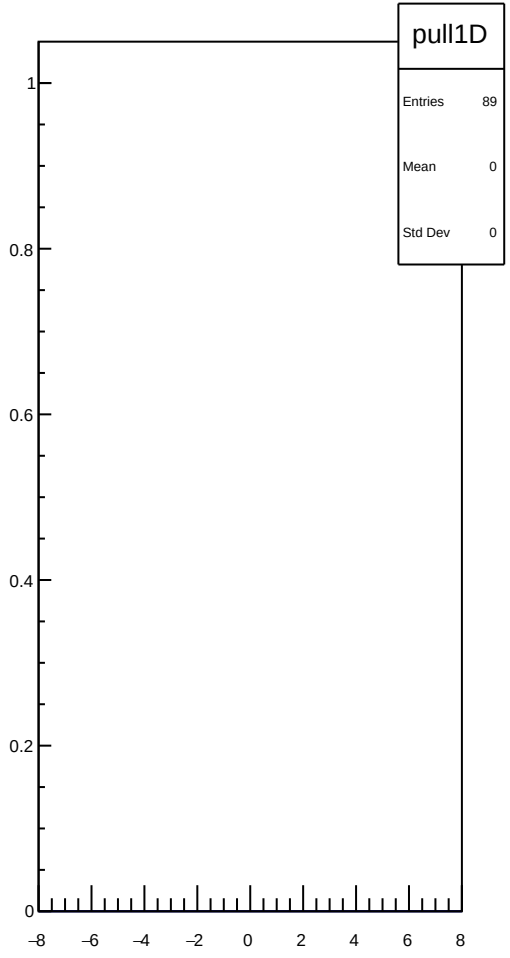


dit_4eX_coil3_Ndata_mean vs run

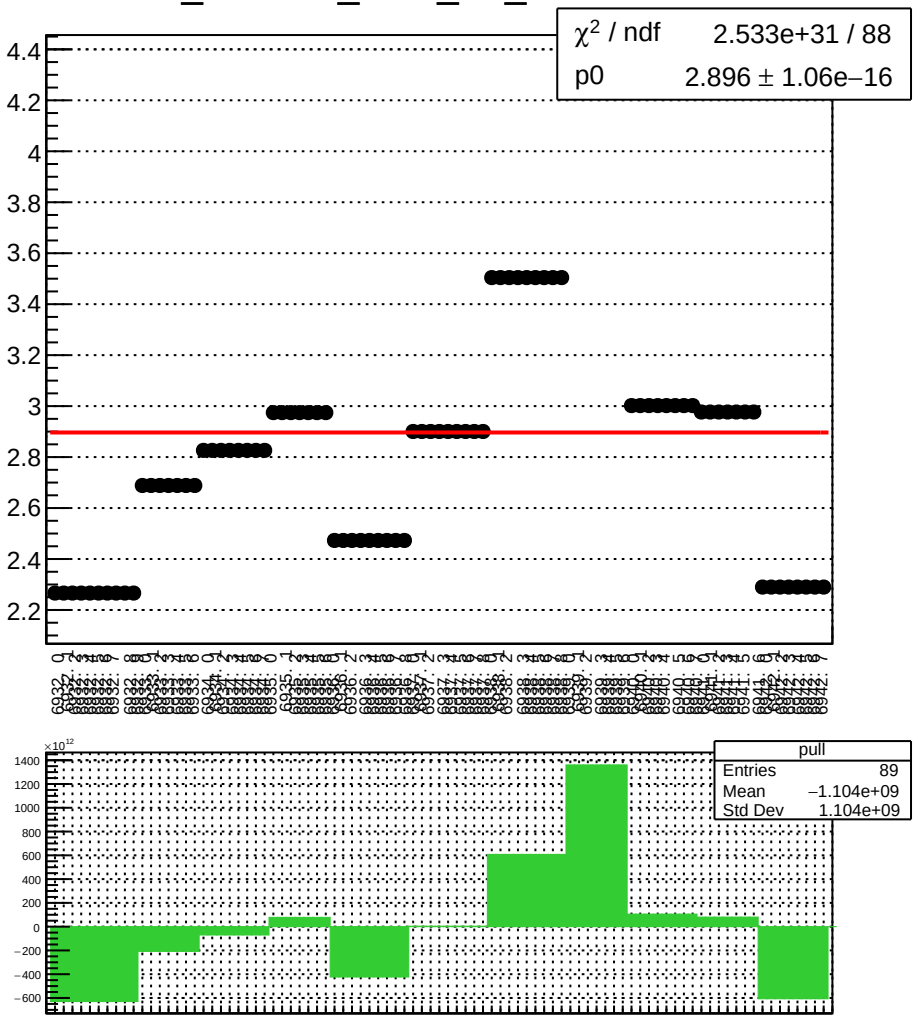


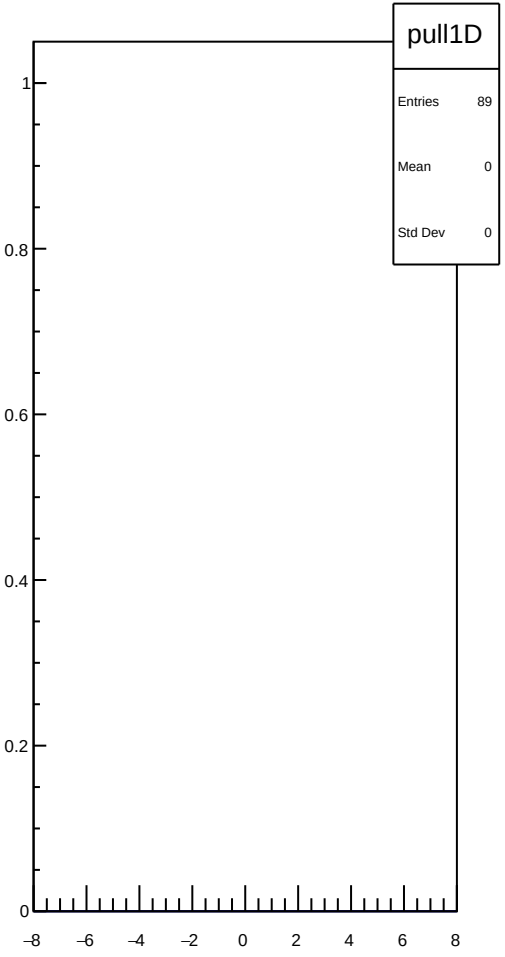



dit_11X12X_coil3_mean vs run
χ² / ndf 1.488e+32 / 88
p0 –86.62 ± 1.06e–16
–85
–86
–87
–88
–89
pull
Entries 89
Mean 1.891e+09
Std Dev 1.891e+09
×10¹²
2000
1500
1000
500
0
–500
–1000
–1500
–2000

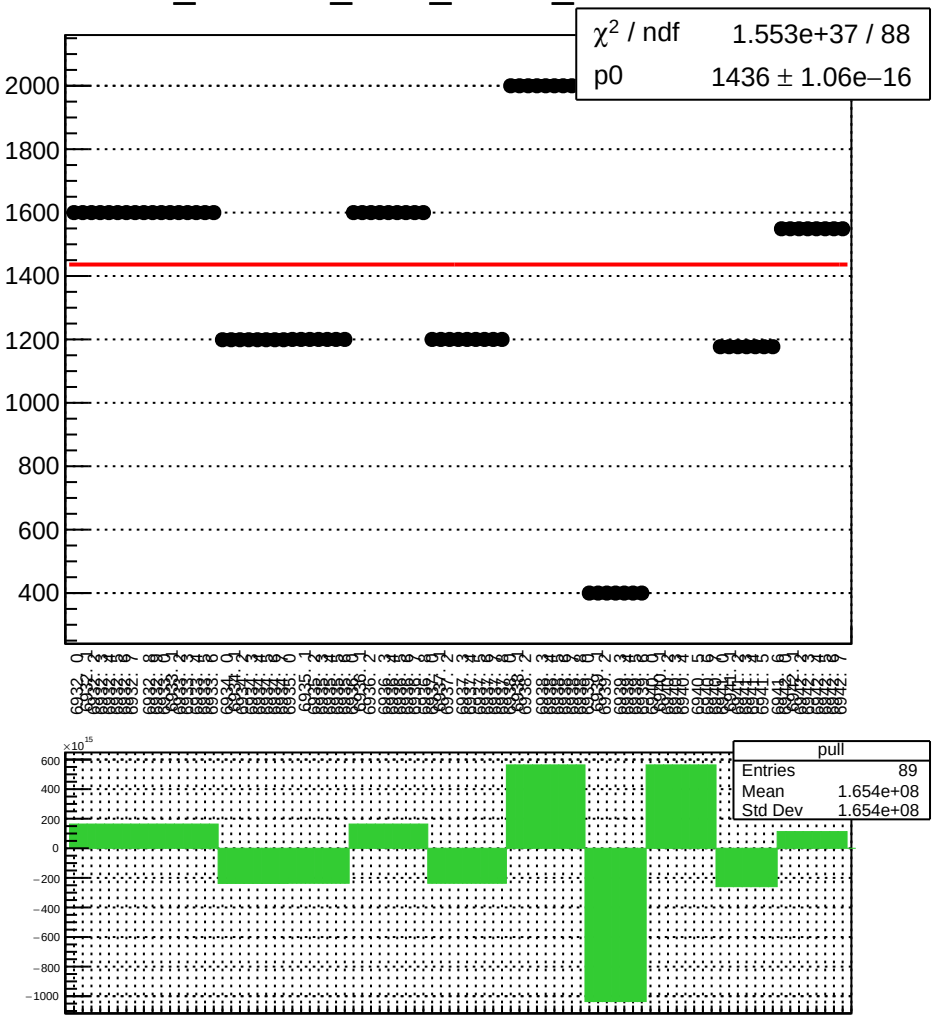

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

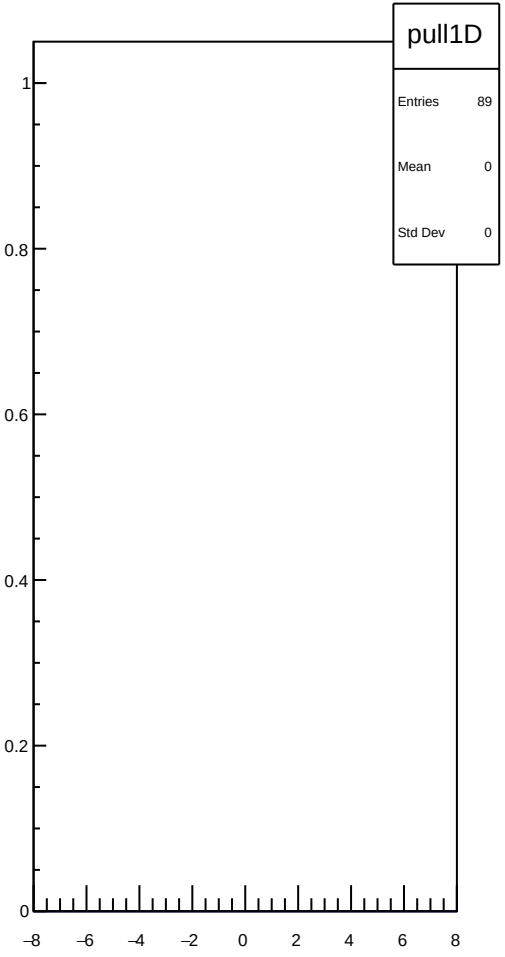
dit_11X12X_coil3_err_mean vs run

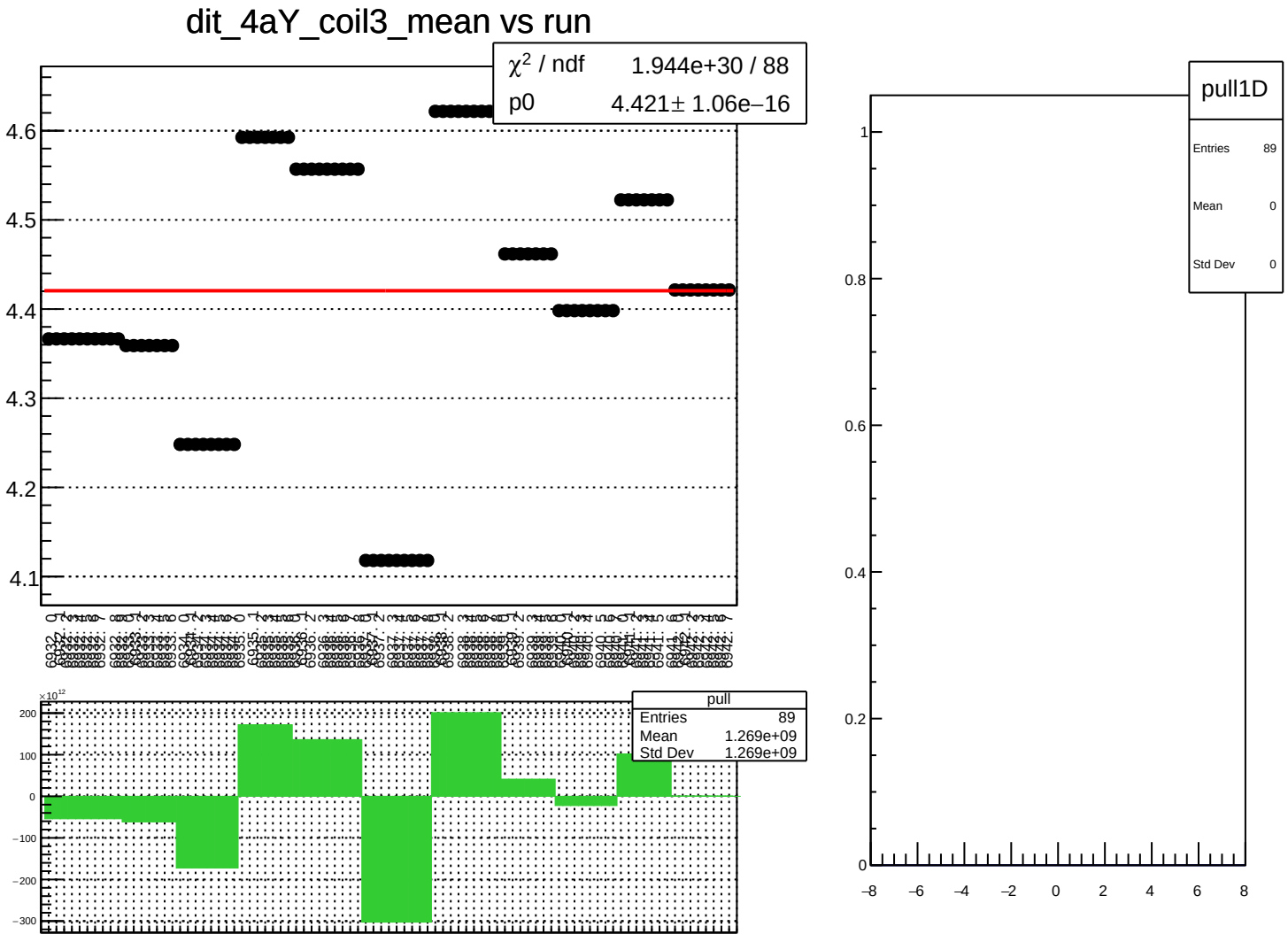


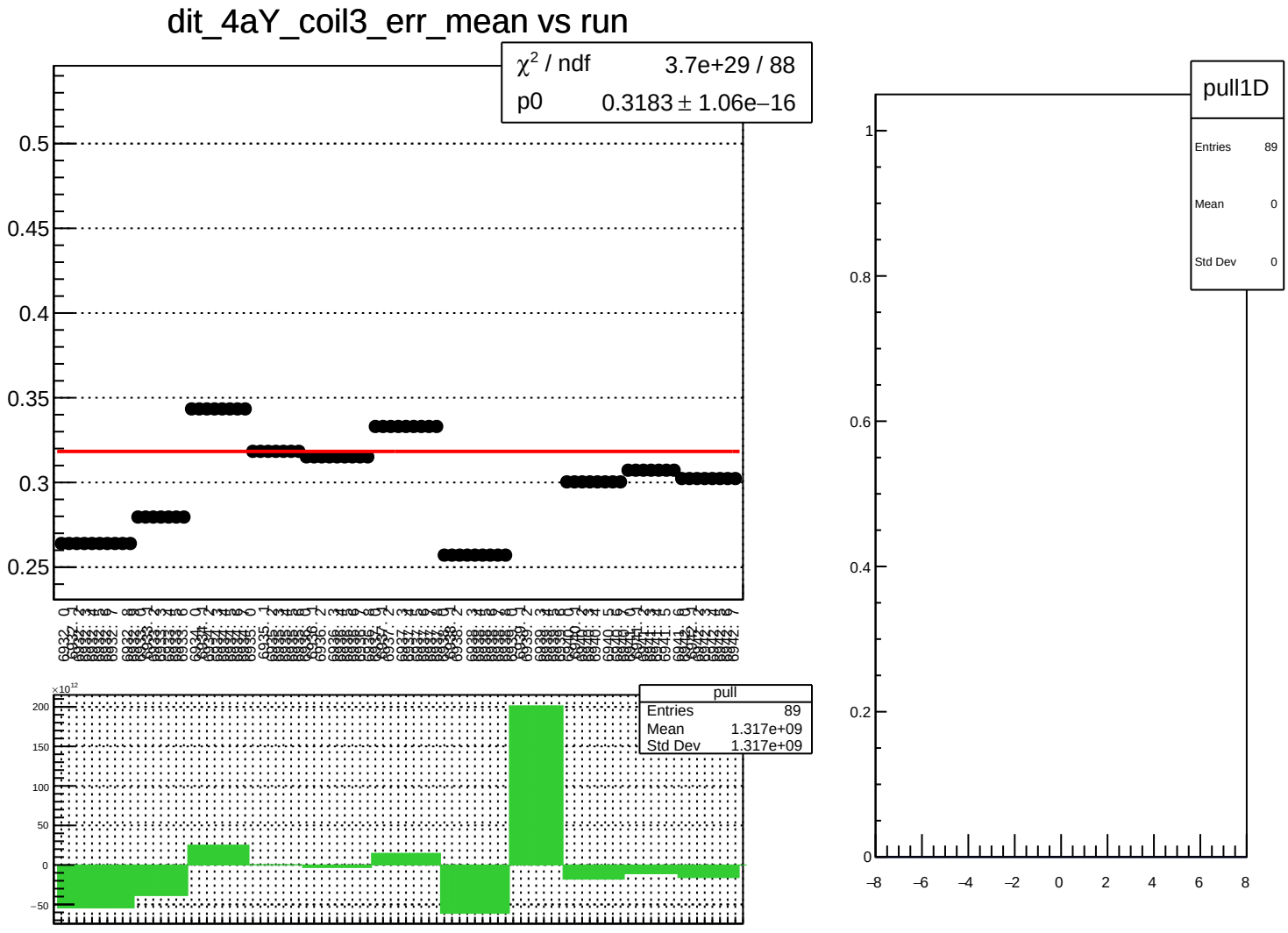


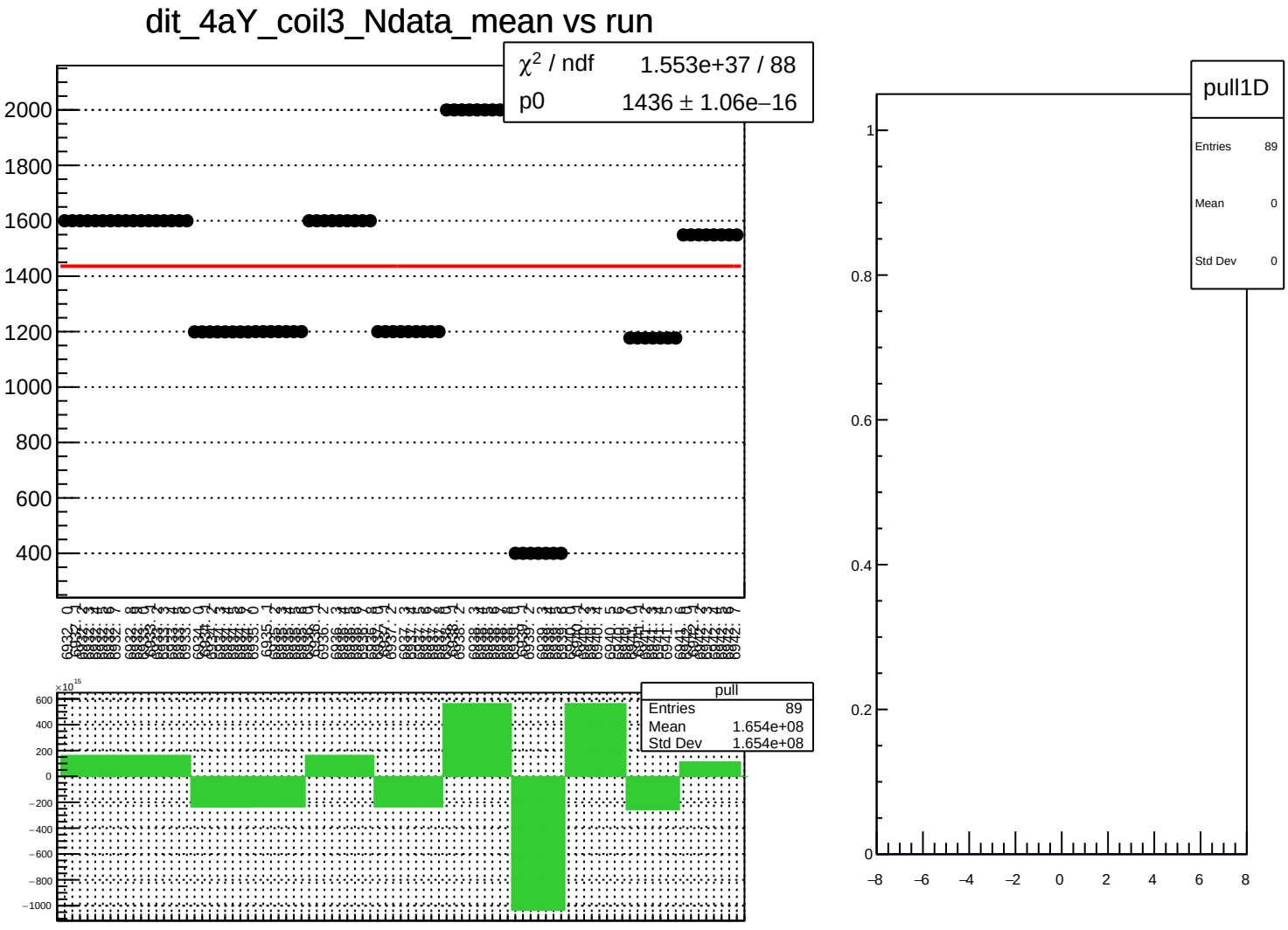
dit_11X12X_coil3_Ndata_mean vs run

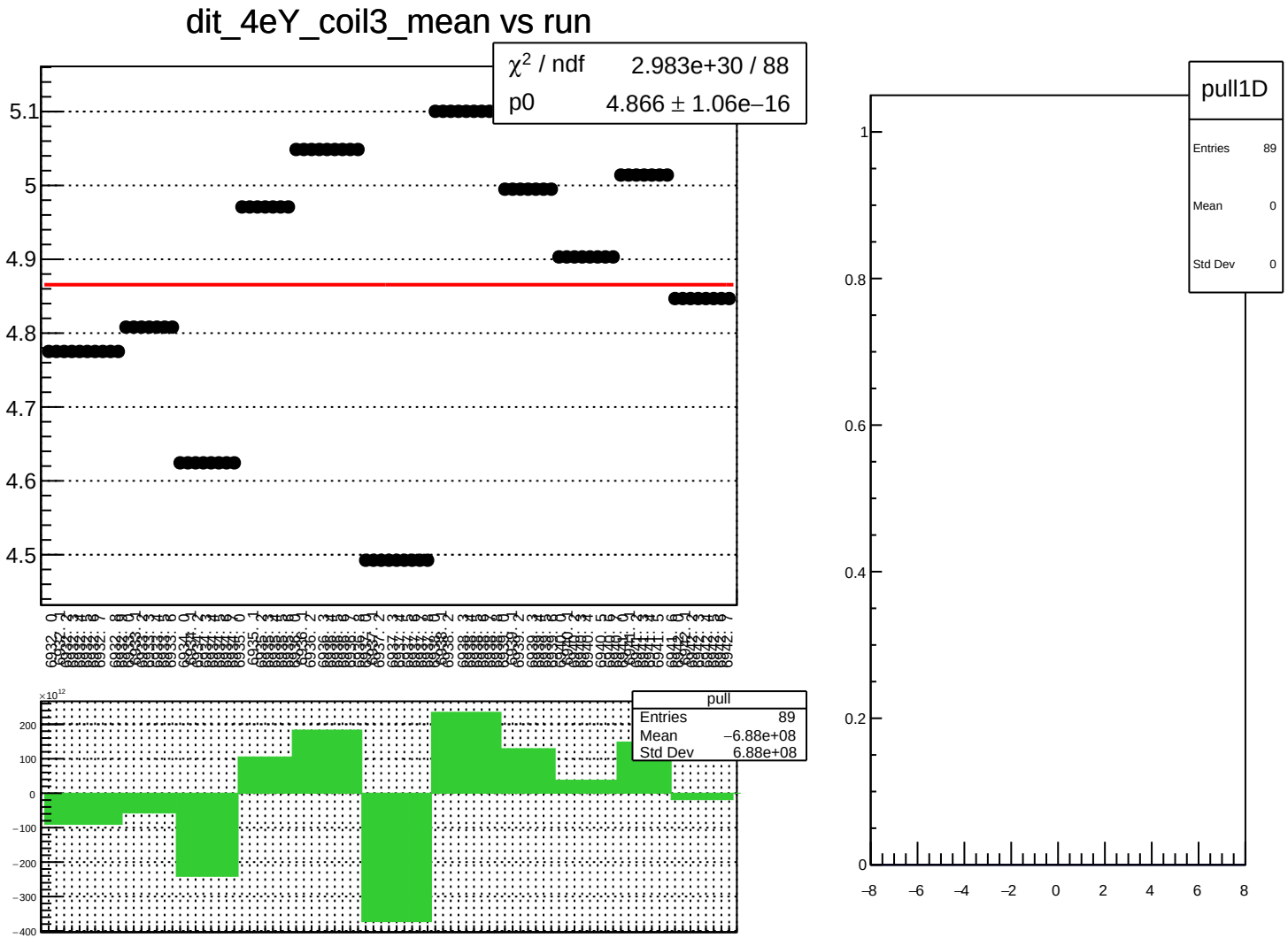


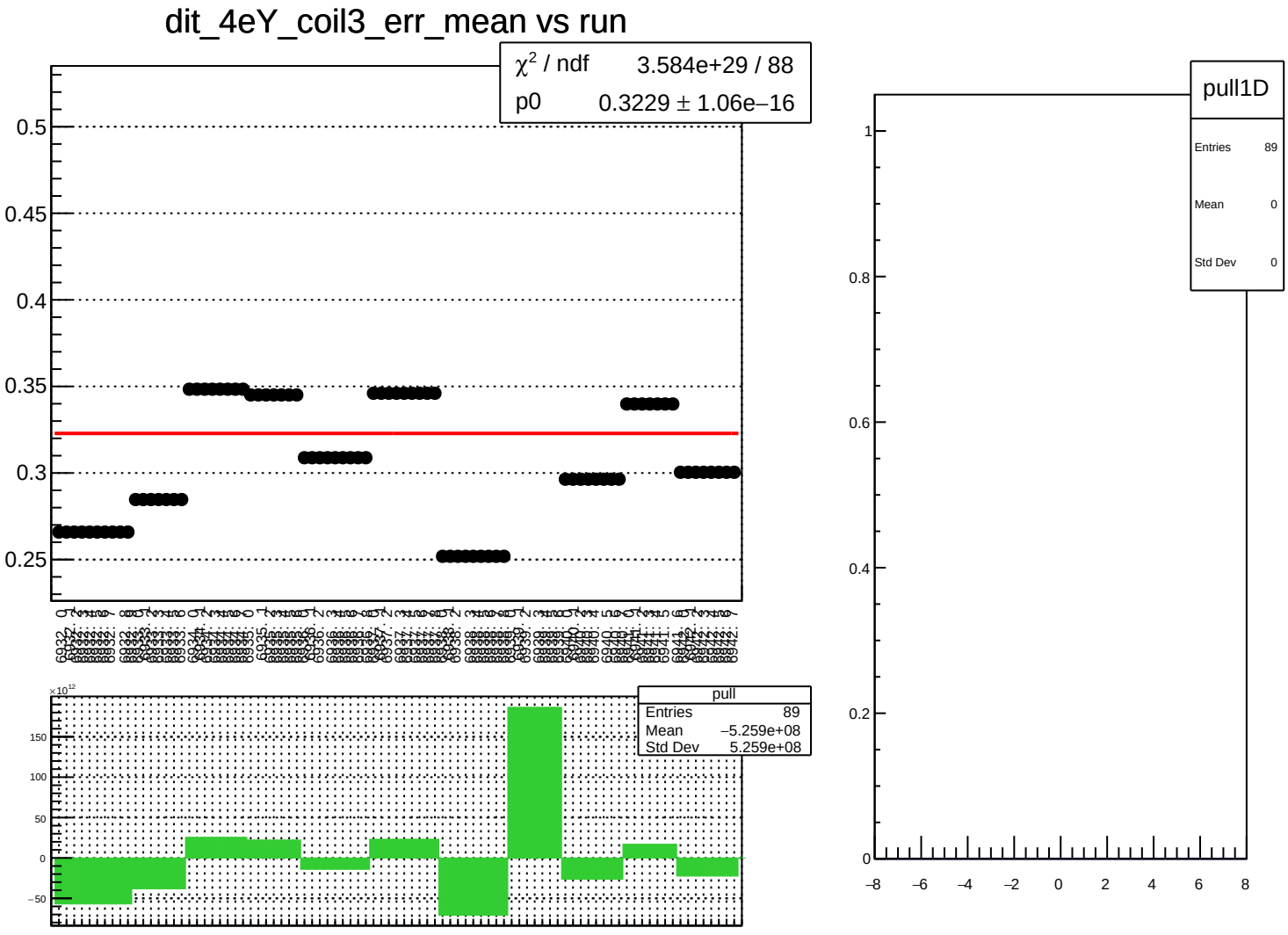


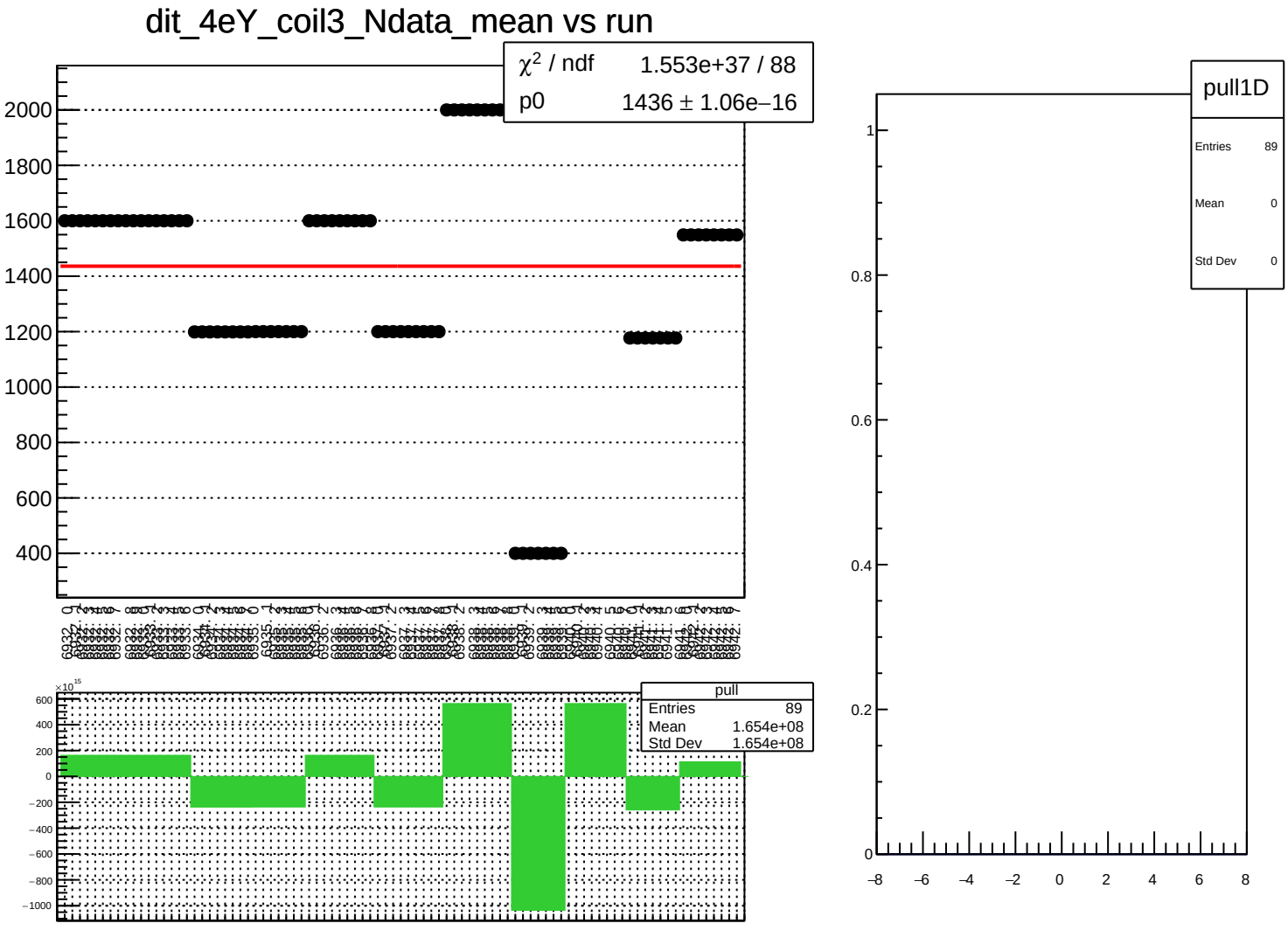

dit_4aY_coil3_mean vs run
χ² / ndf 1.944e+30 / 88
p0 4.421± 1.06e−16
4.6
4.5
4.4
4.3
4.2
4.1
pull
Entries 89
Mean 1.269e+09
Std Dev 1.269e+09
×10¹²
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

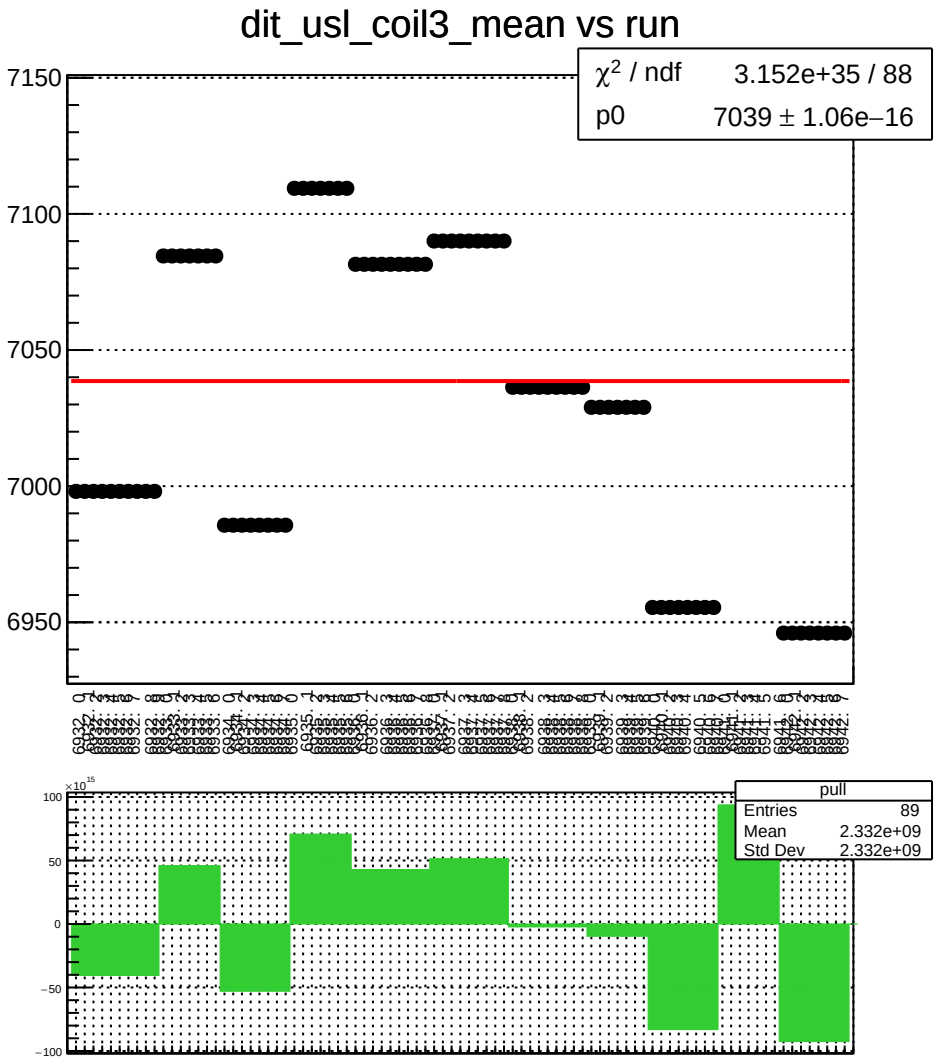

dit_4aY_coil3_err_mean vs run
χ^2 / ndf 3.7e+29 / 88
p0 0.3183 ± 1.06e−16
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 89
Mean 1.317e+09
Std Dev 1.317e+09
$\times 10^{12}$
200
150
100
50
0
−50
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

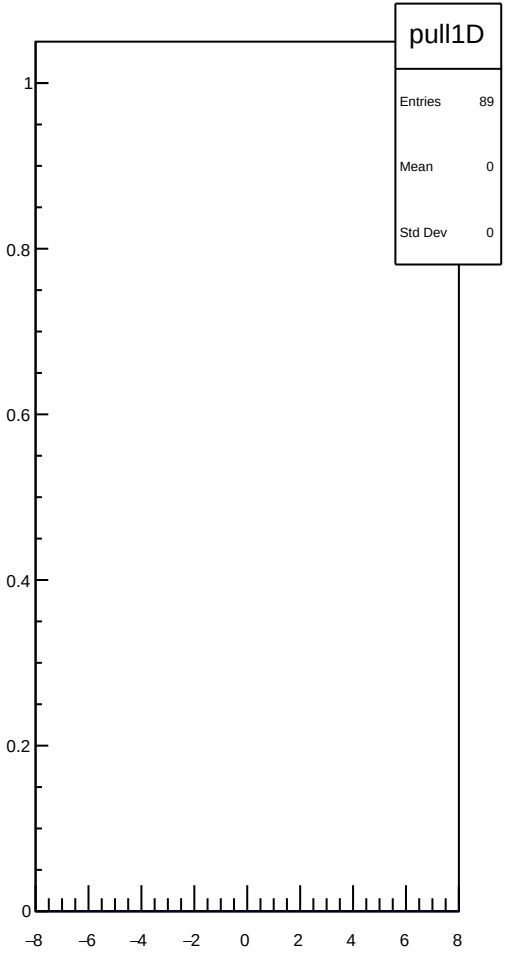

dit_4aY_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

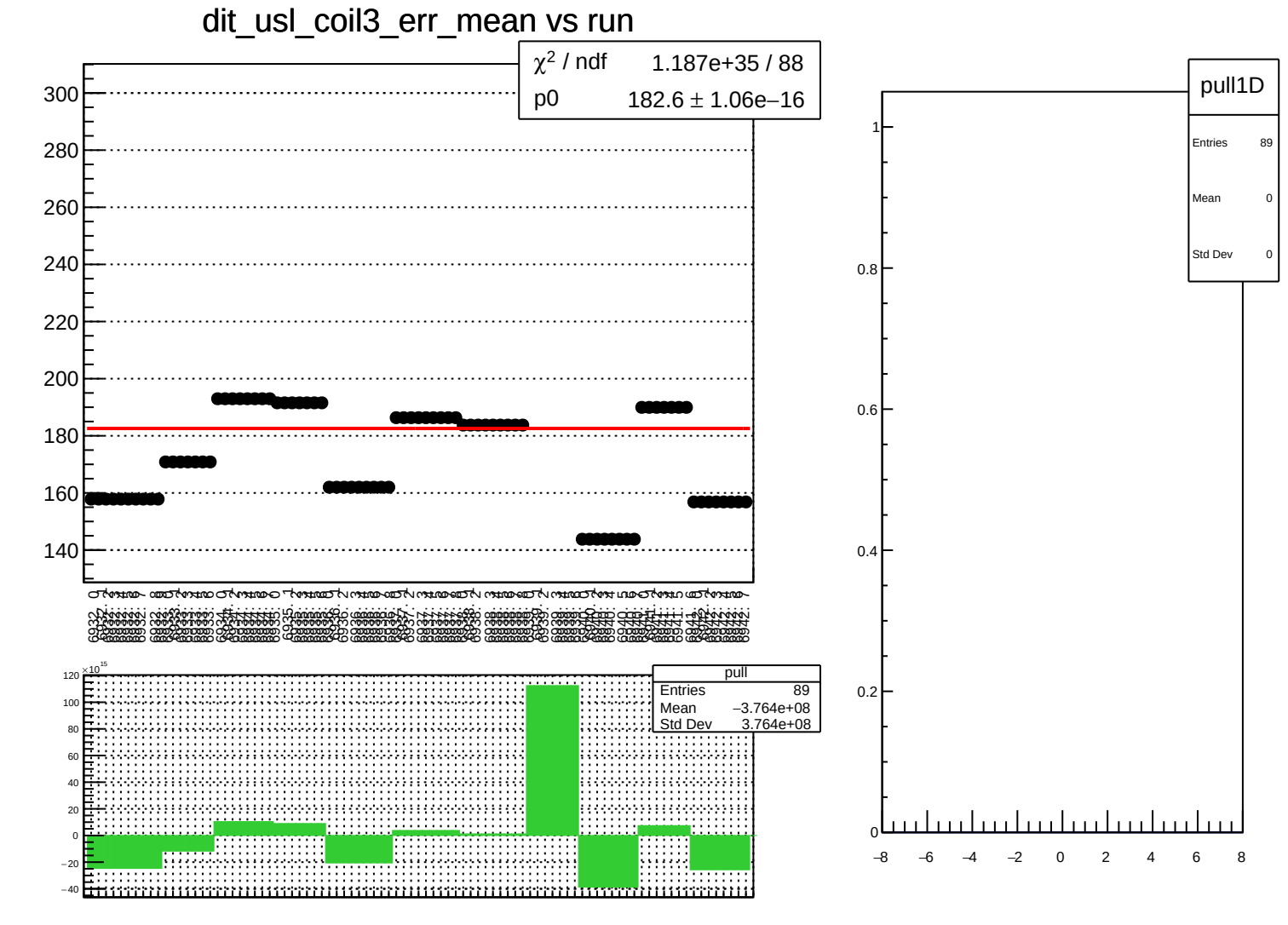

dit_4eY_coil3_mean vs run
χ^2 / ndf 2.983e+30 / 88
p0 4.866 ± 1.06e−16
5.1
5
4.9
4.8
4.7
4.6
4.5
pull
Entries 89
Mean −6.88e+08
Std Dev 6.88e+08
$\times 10^{12}$
200
100
0
−100
−200
−300
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4eY_coil3_err_mean vs run
χ² / ndf 3.584e+29 / 88
p0 0.3229 ± 1.06e−16
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 89
Mean −5.259e+08
Std Dev 5.259e+08
×10¹²
150
100
50
0
−50
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

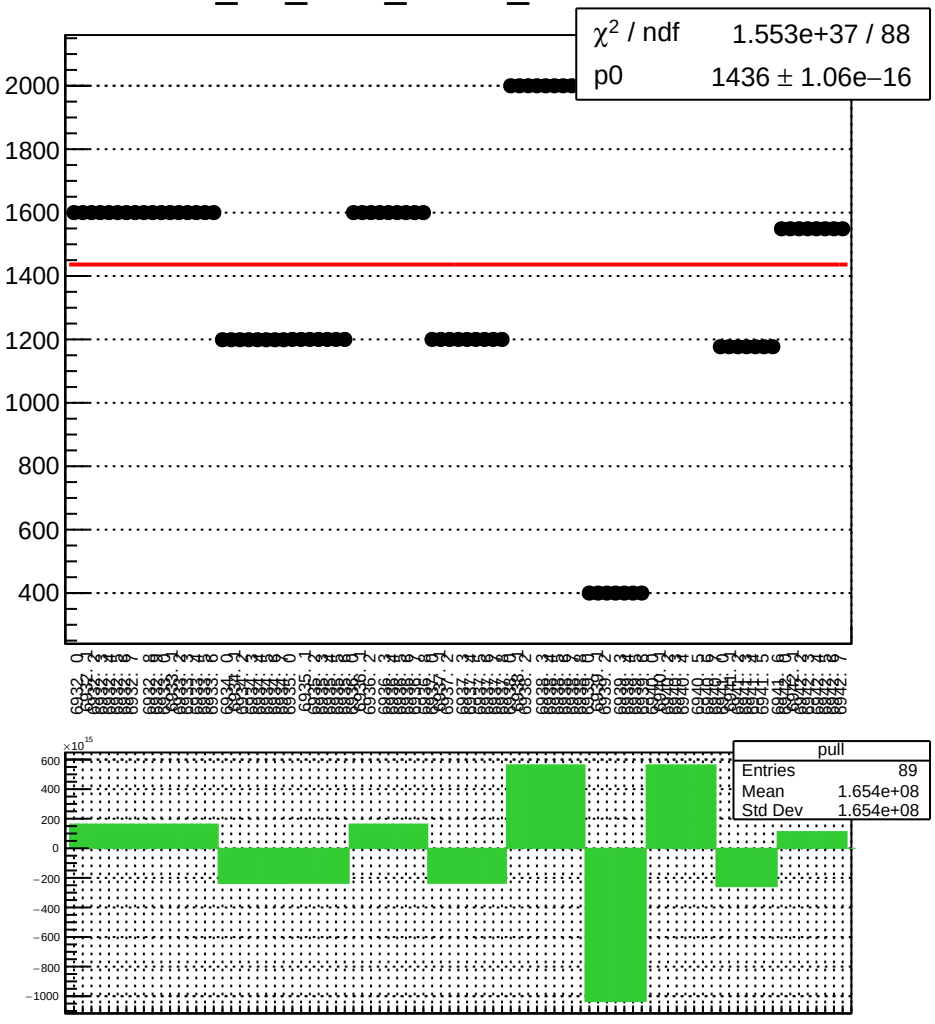

dit_4eY_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

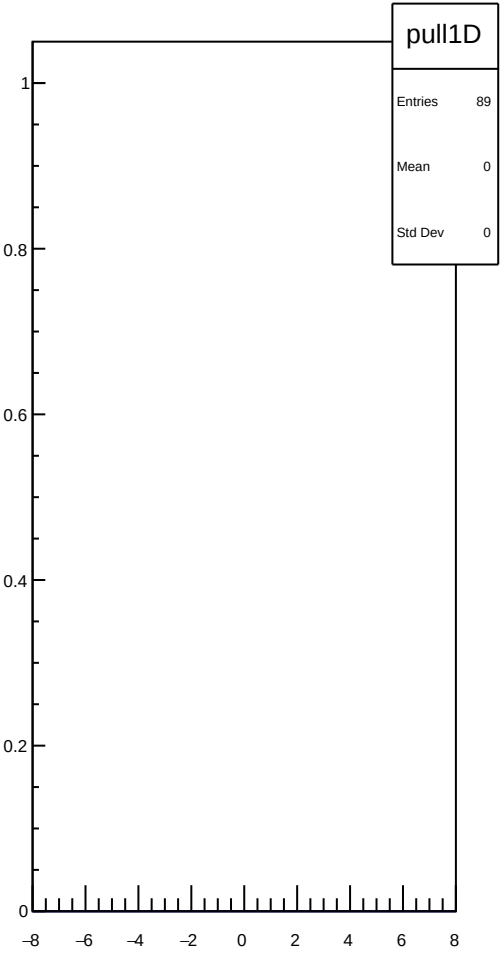

dit_usl_coil3_mean vs run
χ² / ndf 3.152e+35 / 88
p0 7039 ± 1.06e−16
7150
7100
7050
7000
6950
pull
Entries 89
Mean 2.332e+09
Std Dev 2.332e+09
×10¹⁵
100
50
0
−50
−100

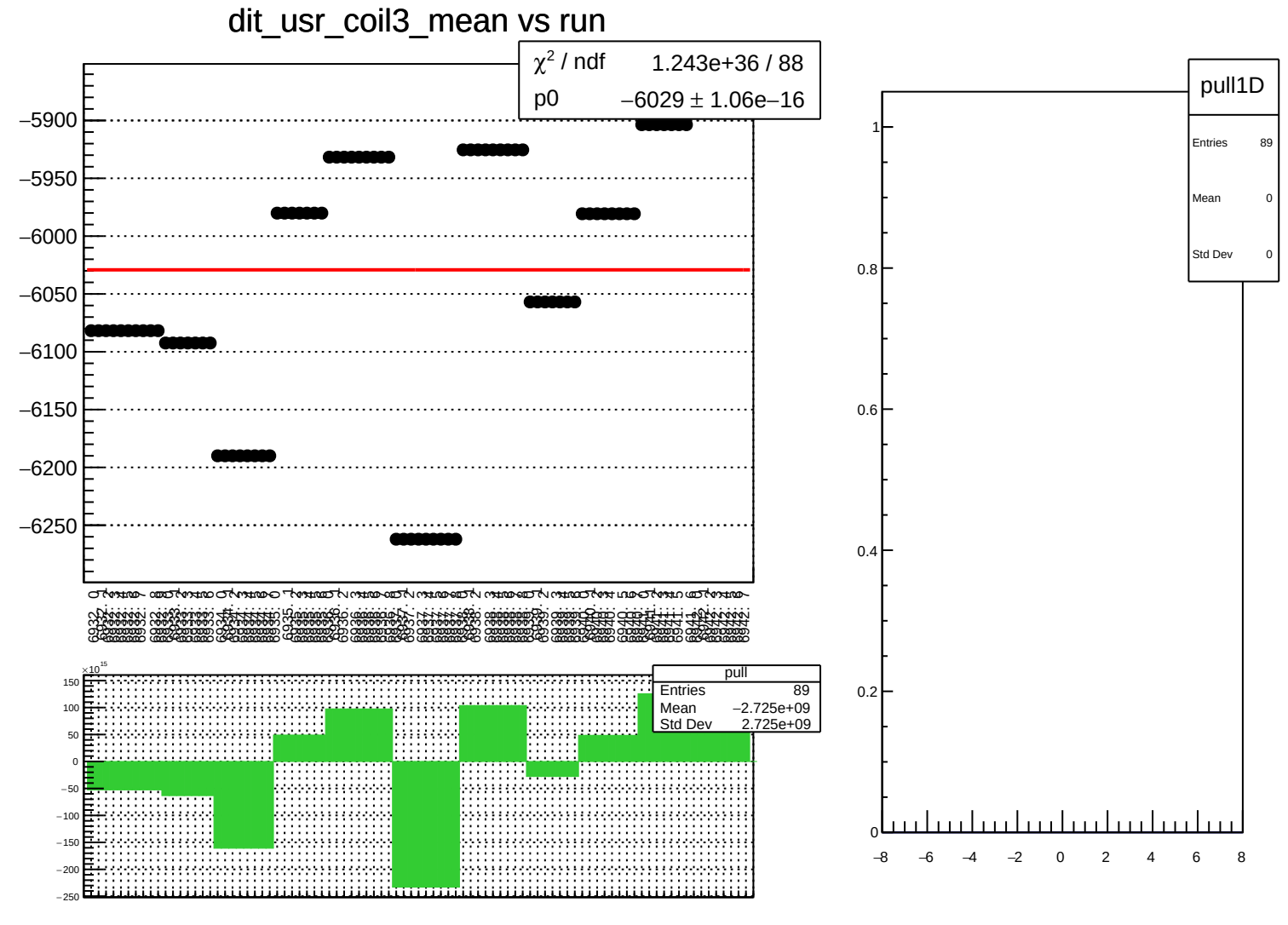

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

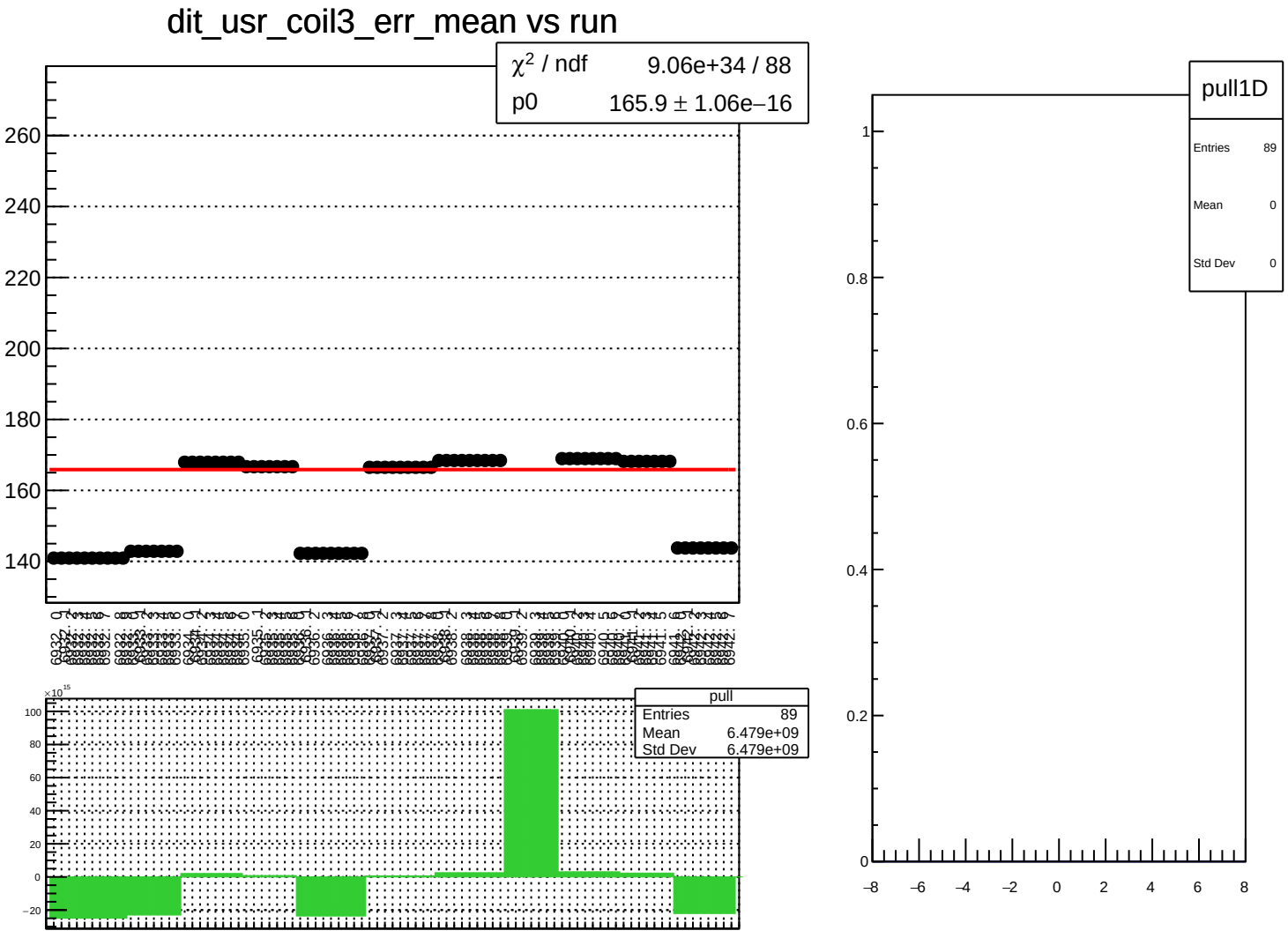

dit_usl_coil3_err_mean vs run
χ2 / ndf 1.187e+35 / 88
p0 182.6 ± 1.06e−16
pull
Entries 89
Mean −3.764e+08
Std Dev 3.764e+08
pull1D
Entries 89
Mean 0
Std Dev 0

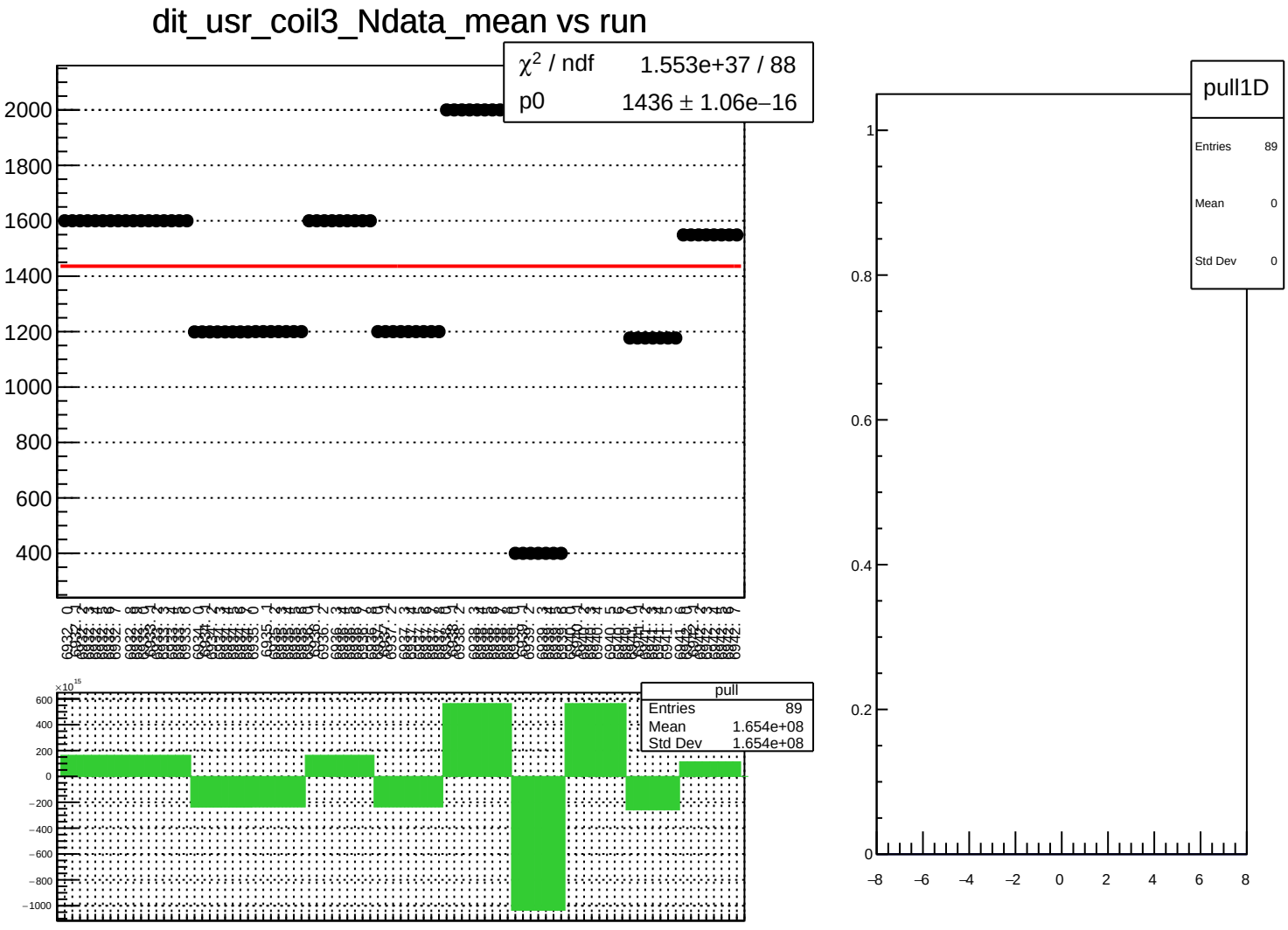
dit_usl_coil3_Ndata_mean vs run

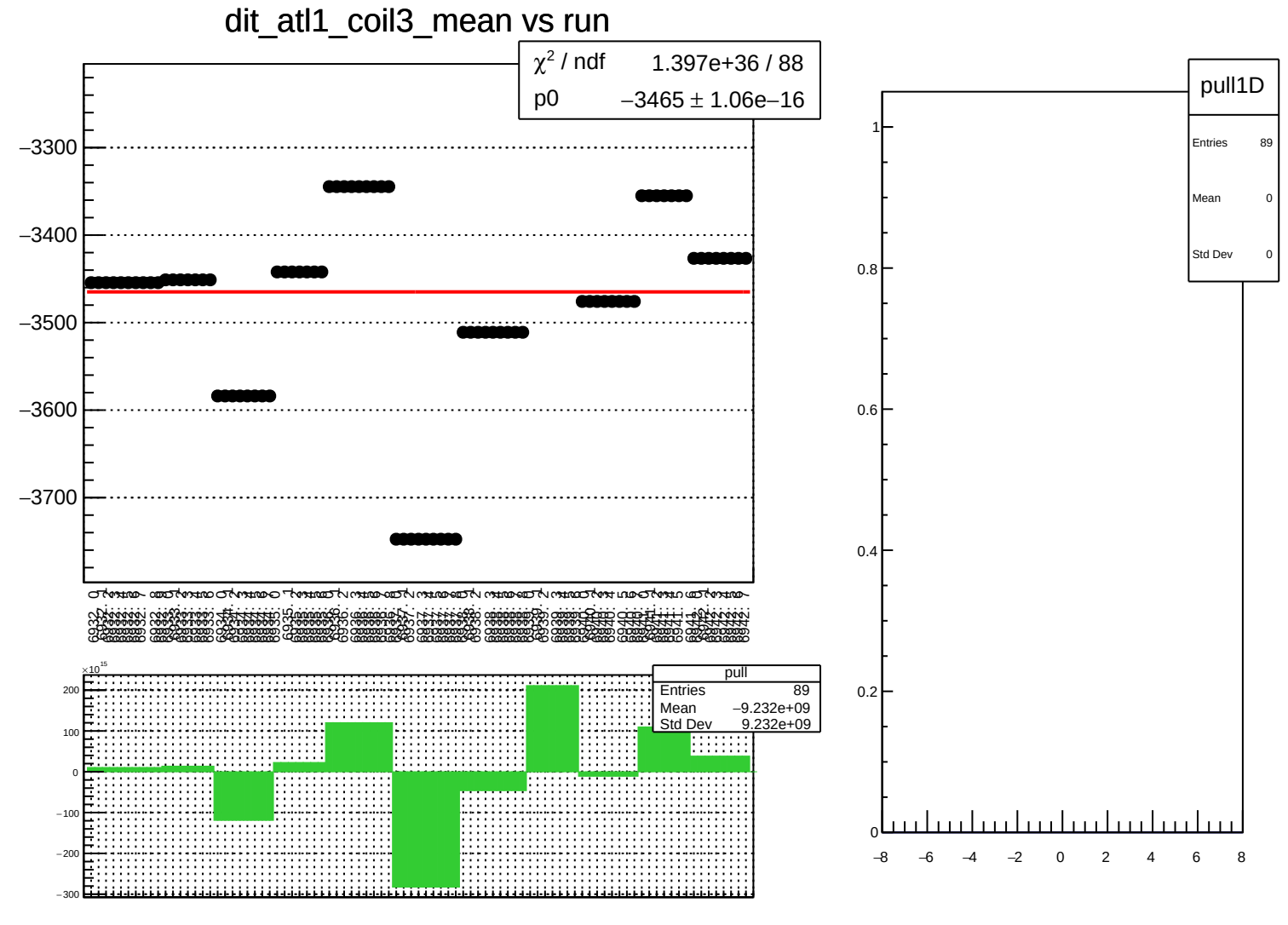


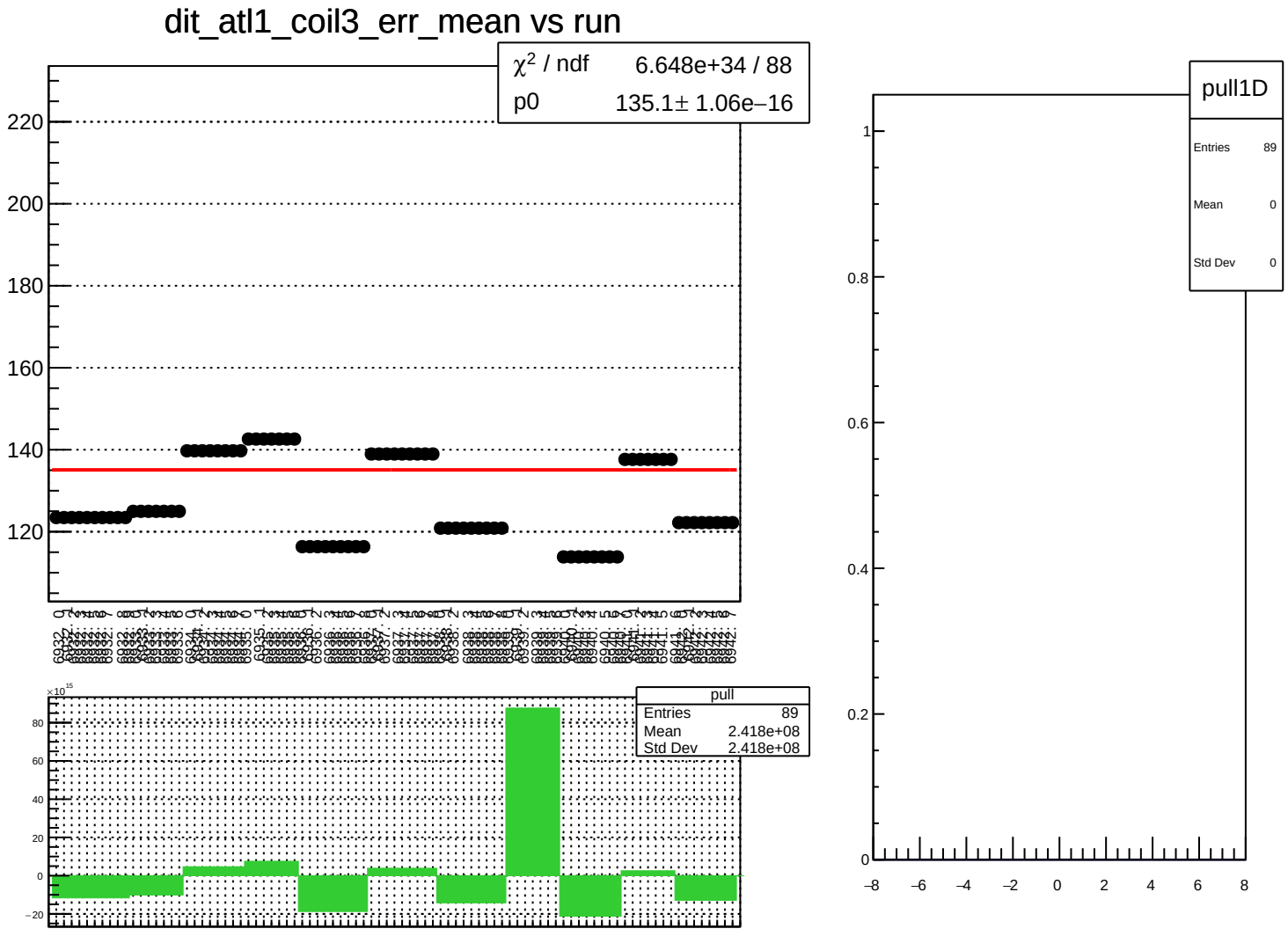


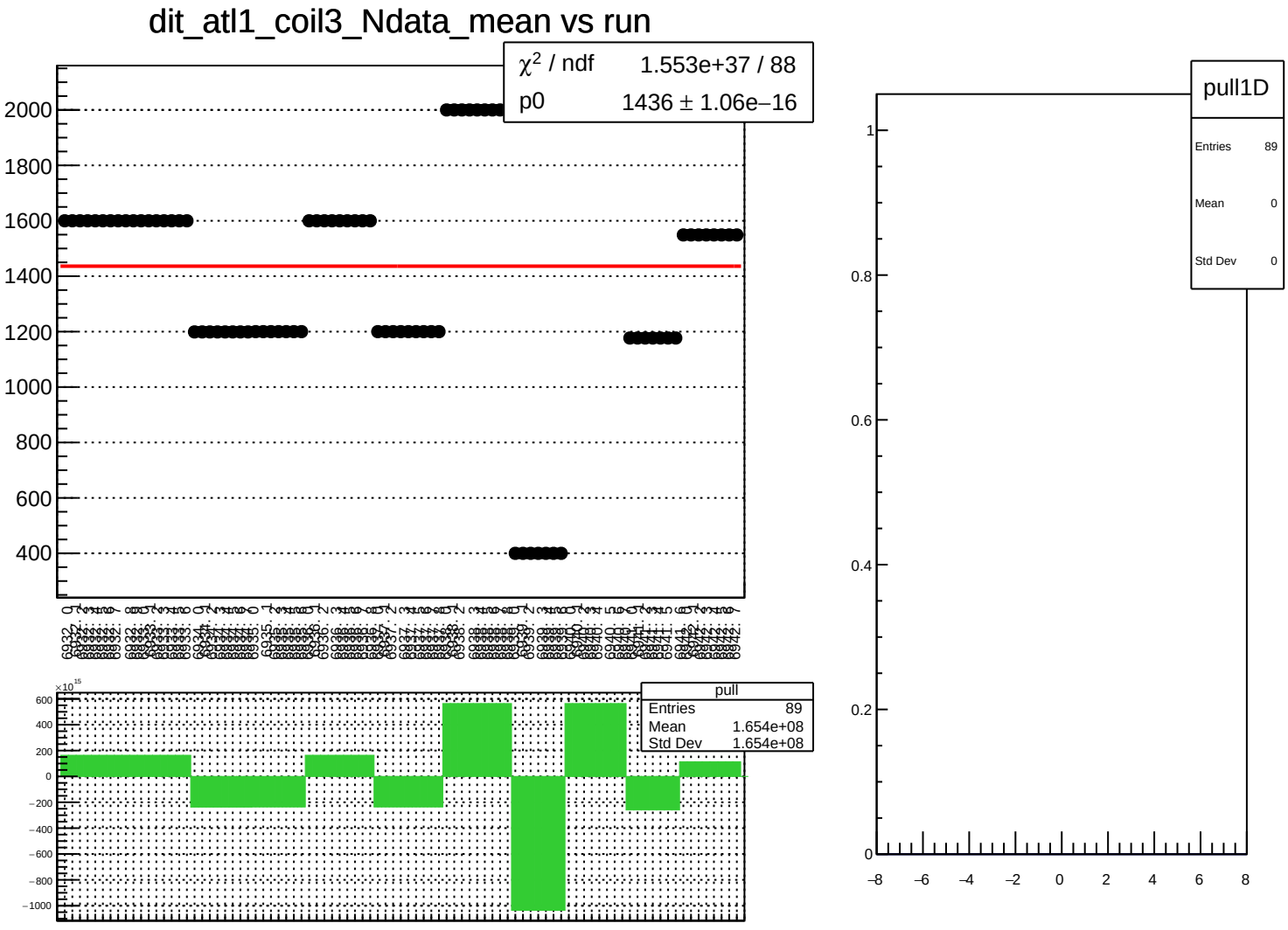

dit_usr_coil3_mean vs run
χ² / ndf 1.243e+36 / 88
p0 −6029 ± 1.06e−16
−5900
−5950
−6000
−6050
−6100
−6150
−6200
−6250
pull
Entries 89
Mean −2.725e+09
Std Dev 2.725e+09
×10¹⁵
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

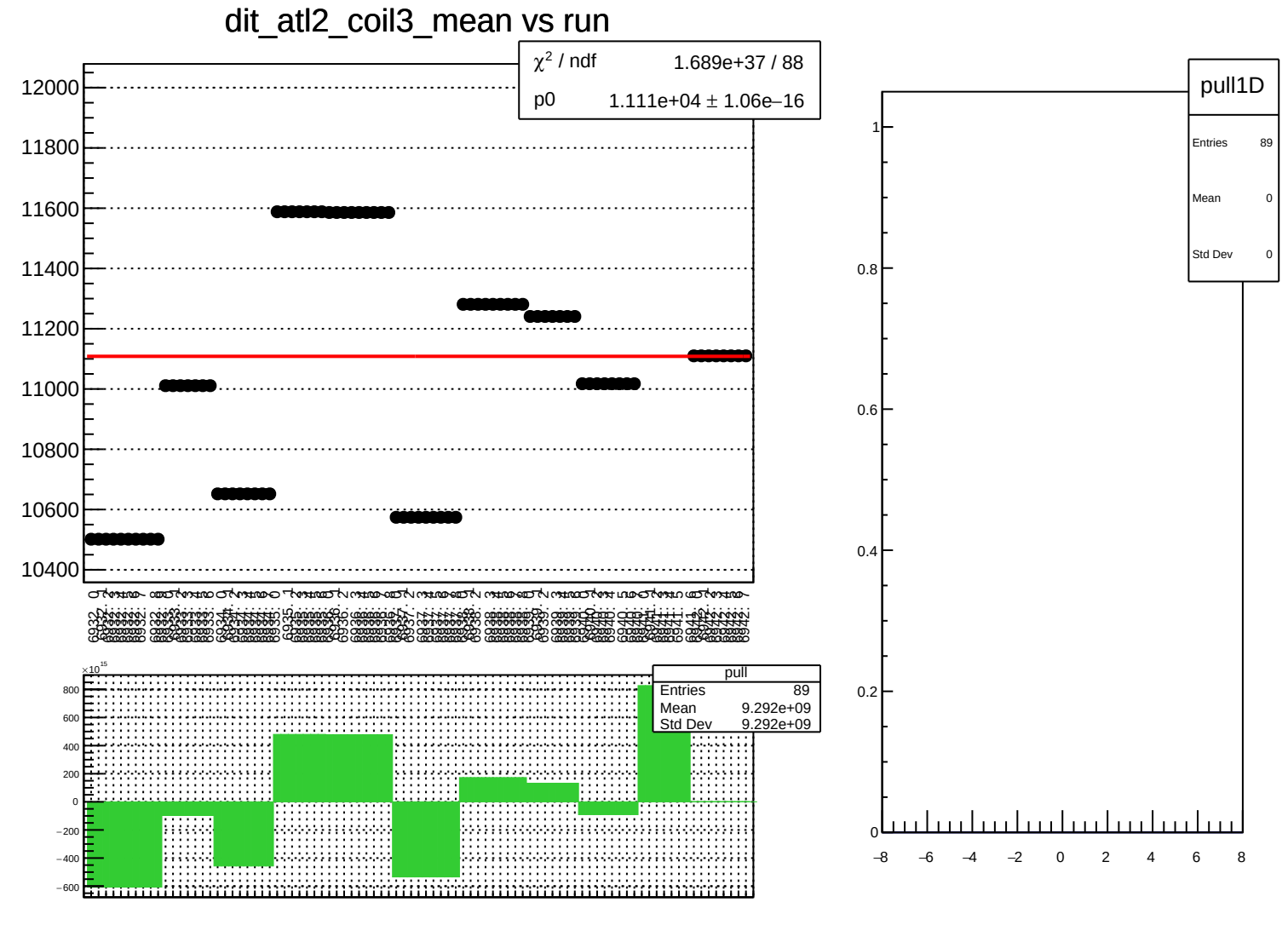

dit_usr_coil3_err_mean vs run
χ² / ndf 9.06e+34 / 88
p0 165.9 ± 1.06e−16
260
240
220
200
180
160
140
pull
Entries 89
Mean 6.479e+09
Std Dev 6.479e+09
×10¹⁵
100
80
60
40
20
0
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

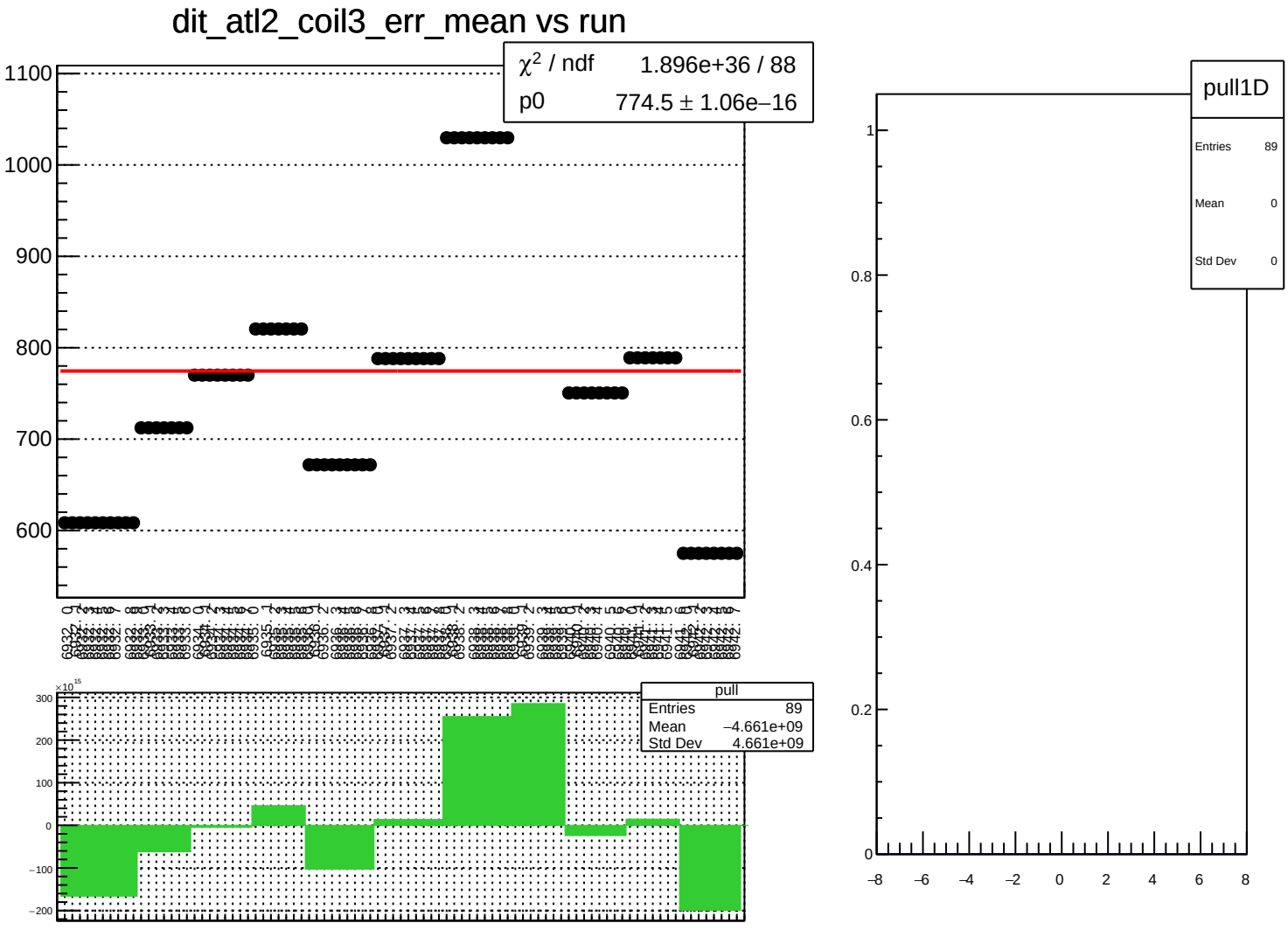

dit_usr_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil3_mean vs run
χ² / ndf 1.397e+36 / 88
p0 −3465 ± 1.06e−16
−3300
−3400
−3500
−3600
−3700
pull
Entries 89
Mean −9.232e+09
Std Dev 9.232e+09
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

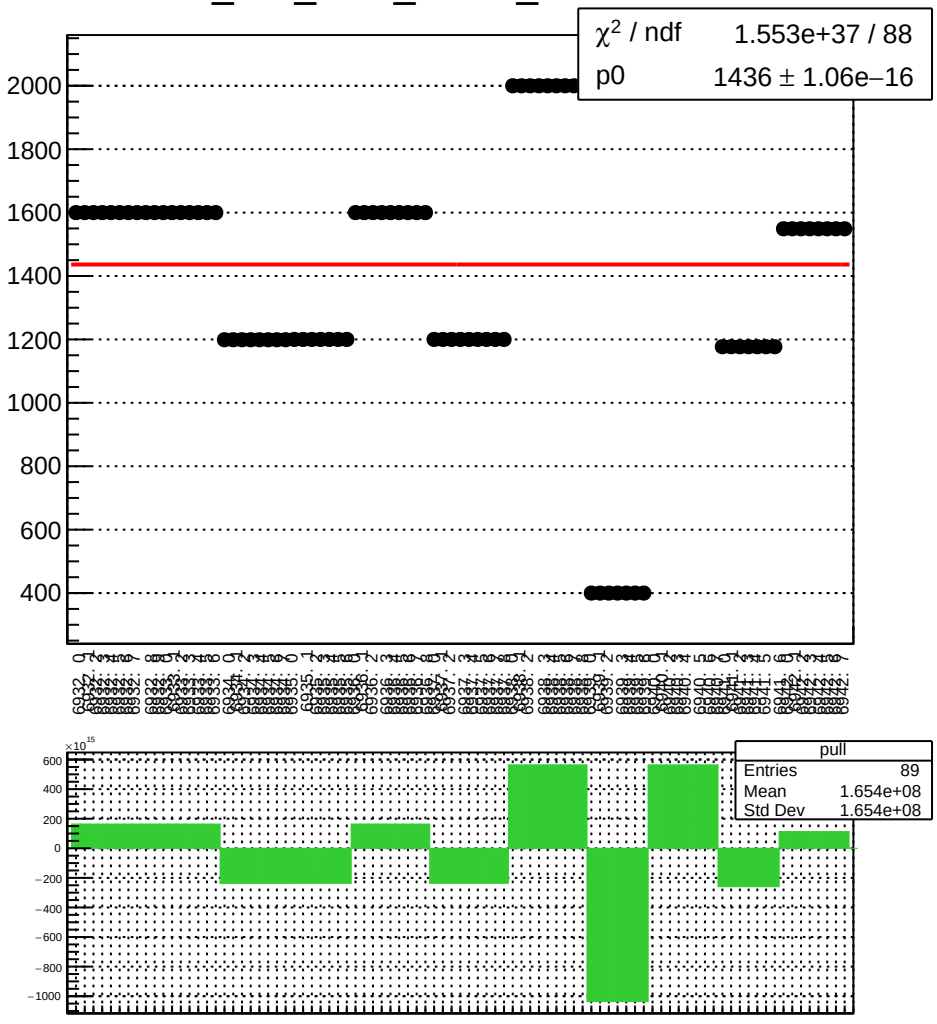

dit_atl1_coil3_err_mean vs run
χ^2 / ndf 6.648e+34 / 88
p0 135.1± 1.06e−16
220
200
180
160
140
120
pull
Entries 89
Mean 2.418e+08
Std Dev 2.418e+08
×10^15
80
60
40
20
0
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

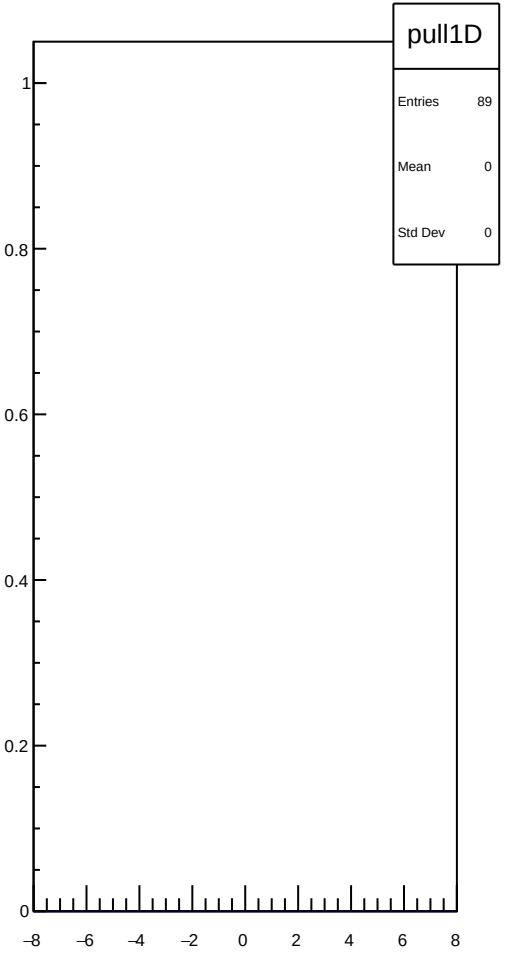

dit_atl1_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

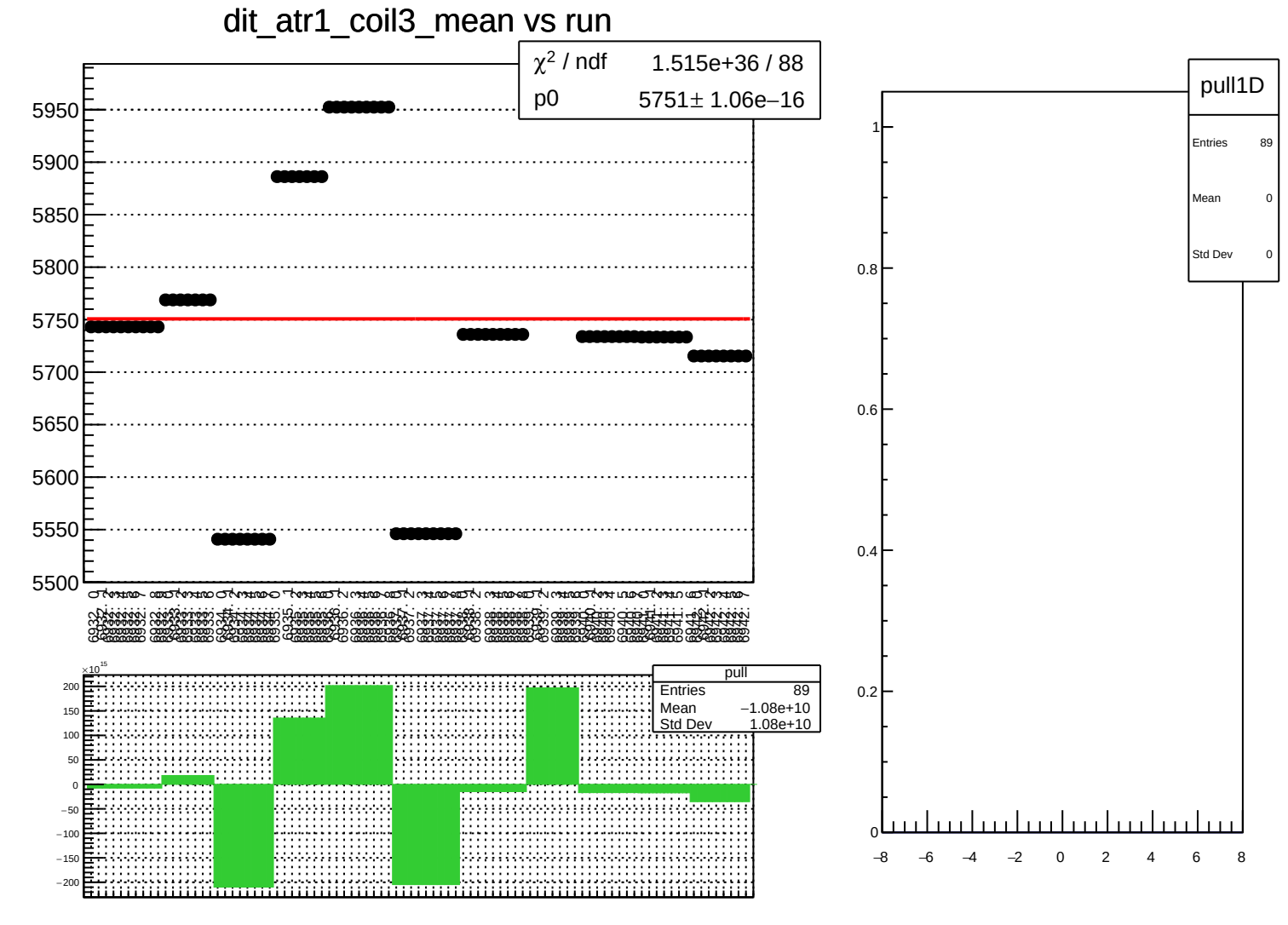

dit_atl2_coil3_mean vs run
χ² / ndf 1.689e+37 / 88
p0 1.111e+04 ± 1.06e−16
12000
11800
11600
11400
11200
11000
10800
10600
10400
pull
Entries 89
Mean 9.292e+09
Std Dev 9.292e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

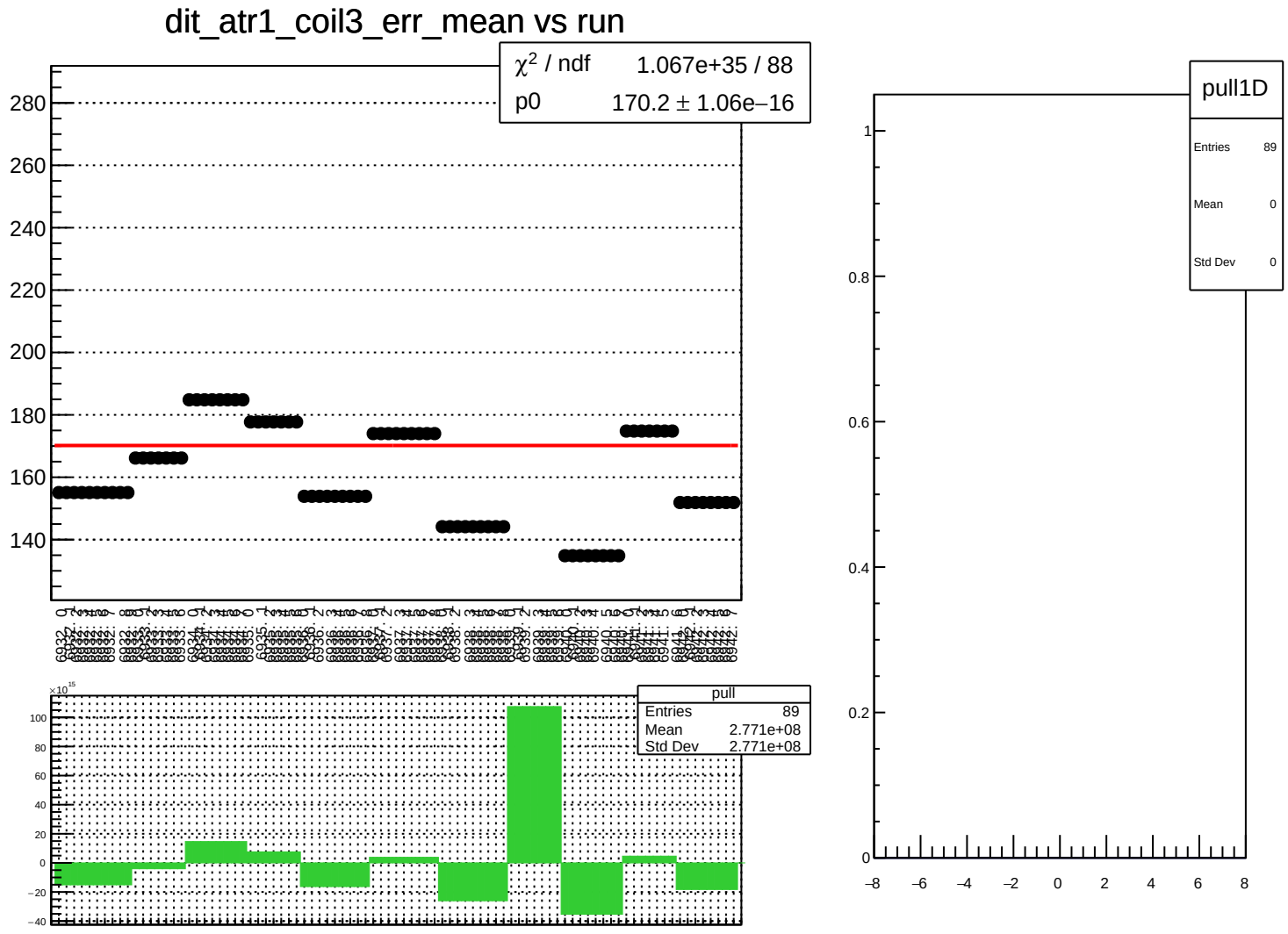

dit_atl2_coil3_err_mean vs run
χ² / ndf 1.896e+36 / 88
p0 774.5 ± 1.06e−16
1100
1000
900
800
700
600
pull
Entries 89
Mean −4.661e+09
Std Dev 4.661e+09
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

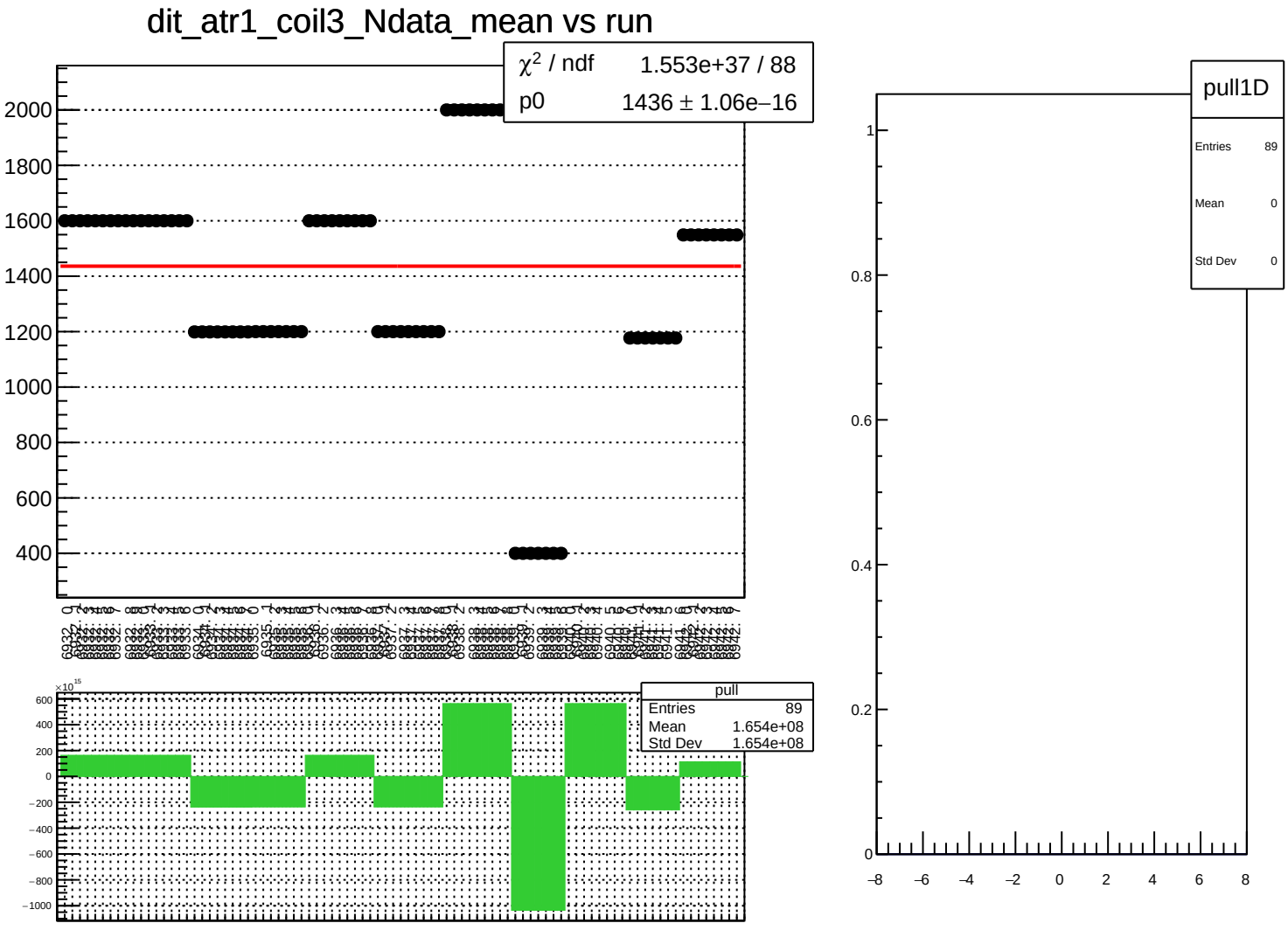
dit_atl2_coil3_Ndata_mean vs run

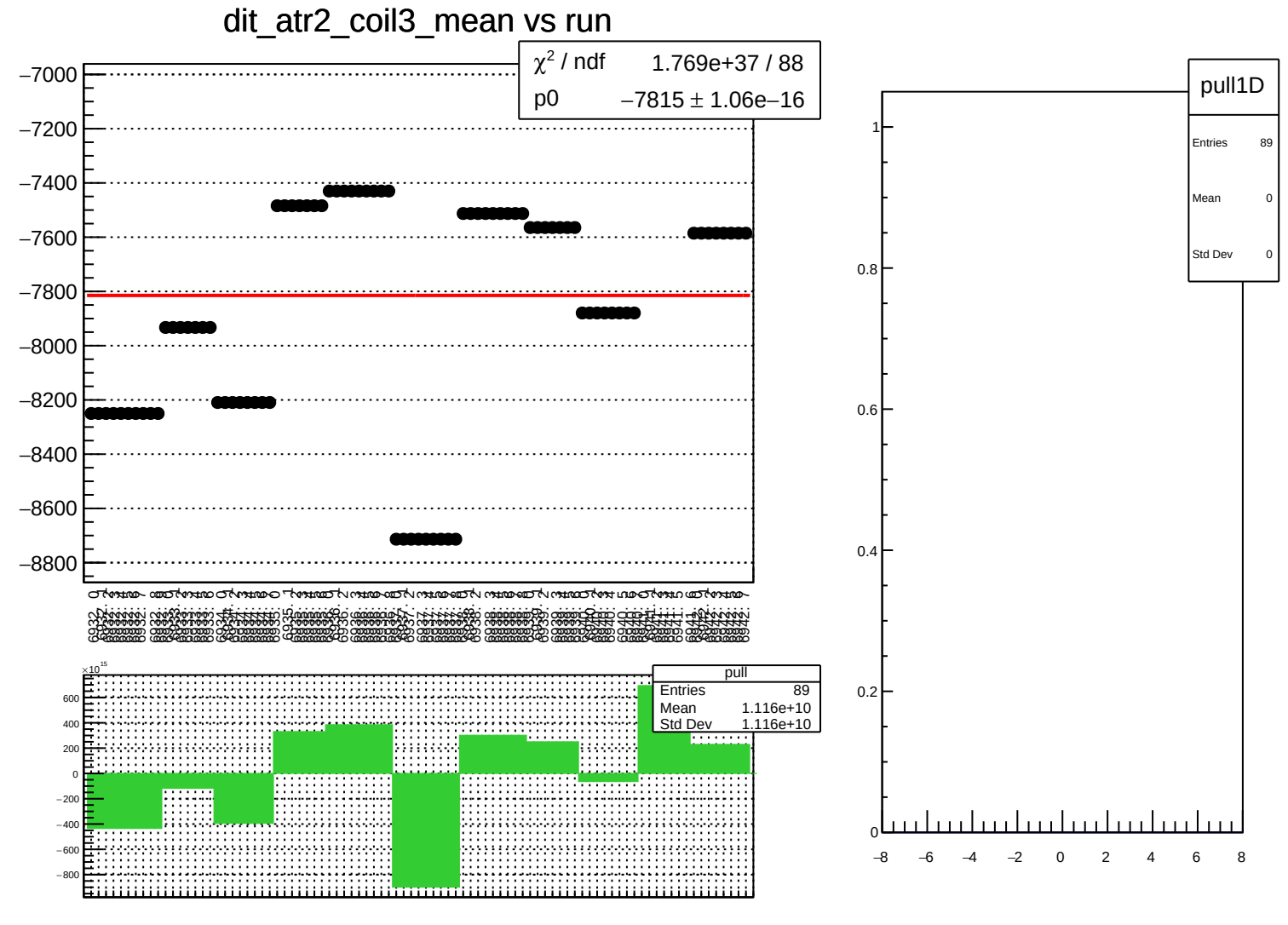


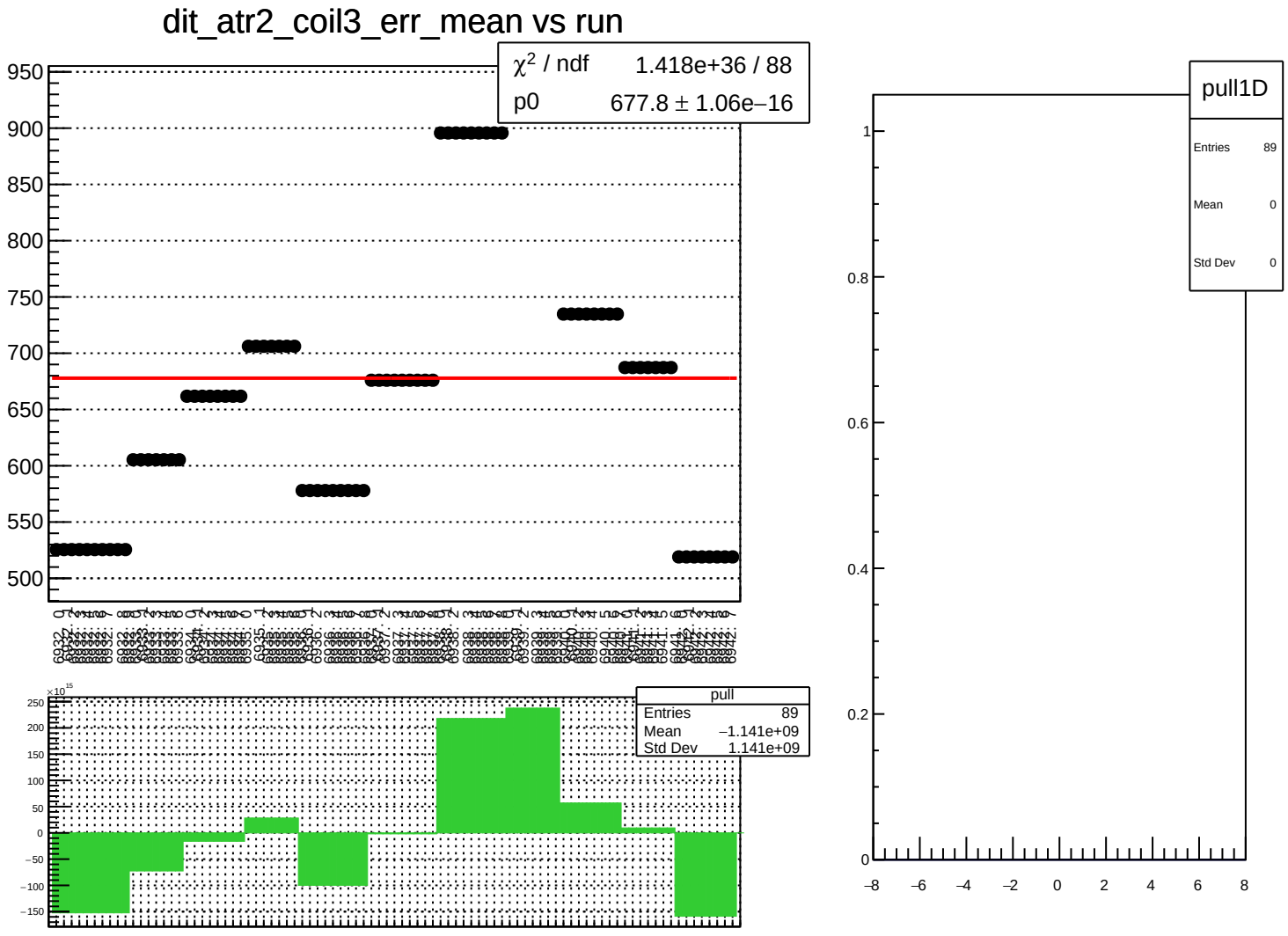


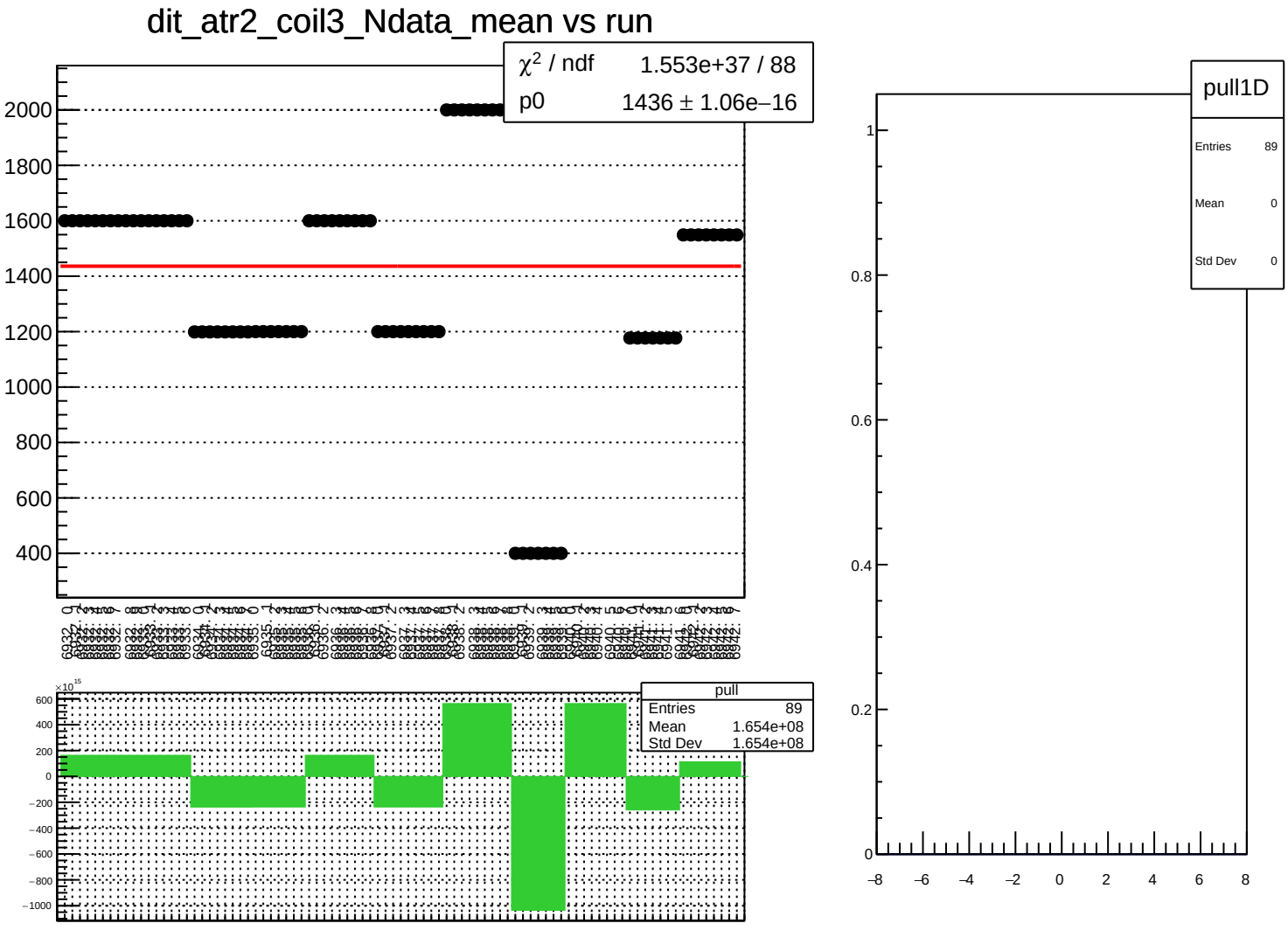

dit_atr1_coil3_mean vs run
χ² / ndf 1.515e+36 / 88
p0 5751± 1.06e−16
5950
5900
5850
5800
5750
5700
5650
5600
5550
5500
pull
Entries 89
Mean −1.08e+10
Std Dev 1.08e+10
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

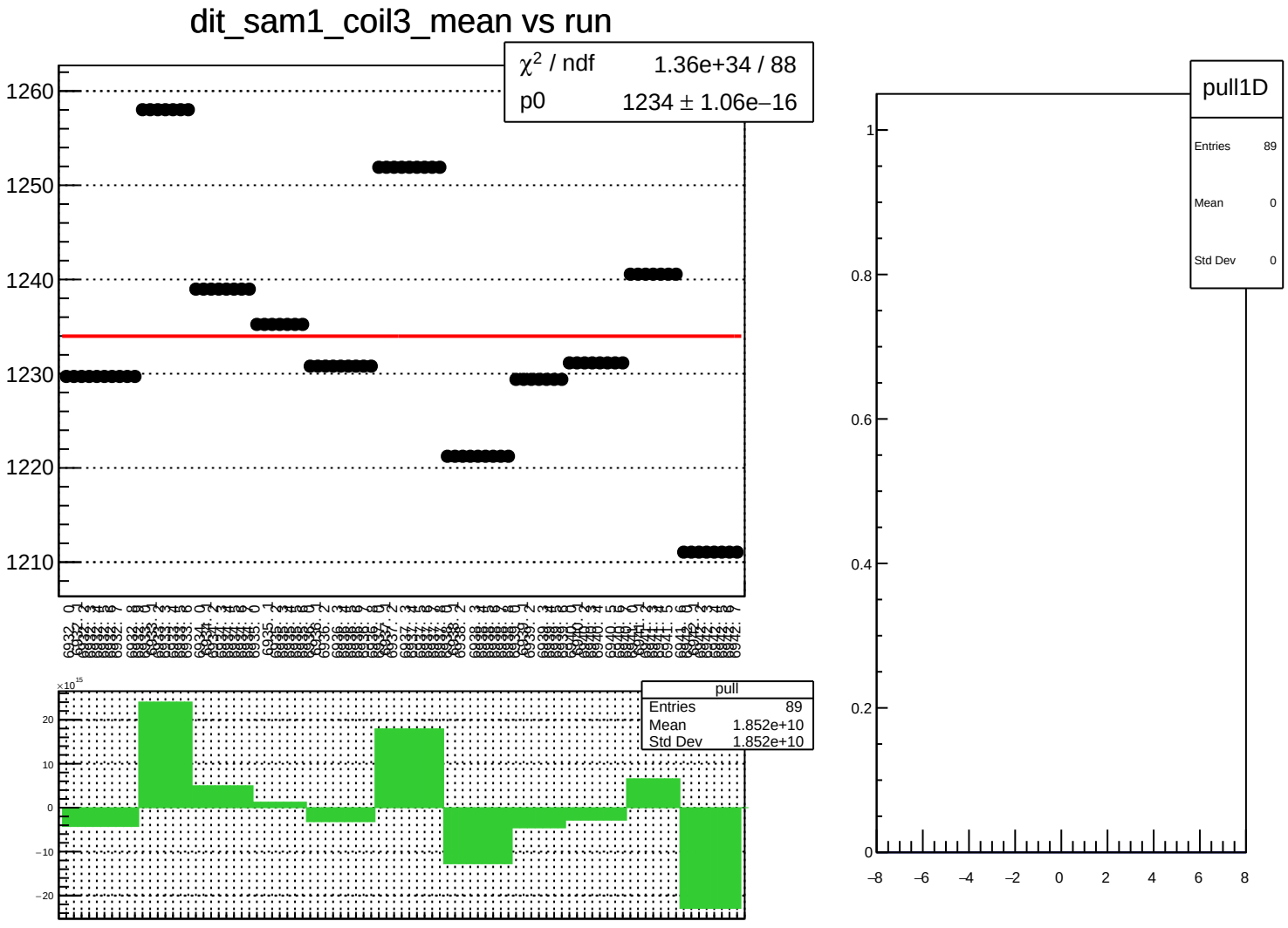

dit_atr1_coil3_err_mean vs run
χ² / ndf 1.067e+35 / 88
p0 170.2 ± 1.06e−16
280
260
240
220
200
180
160
140
pull
Entries 89
Mean 2.771e+08
Std Dev 2.771e+08
×10¹⁵
100
80
60
40
20
0
−20
−40
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

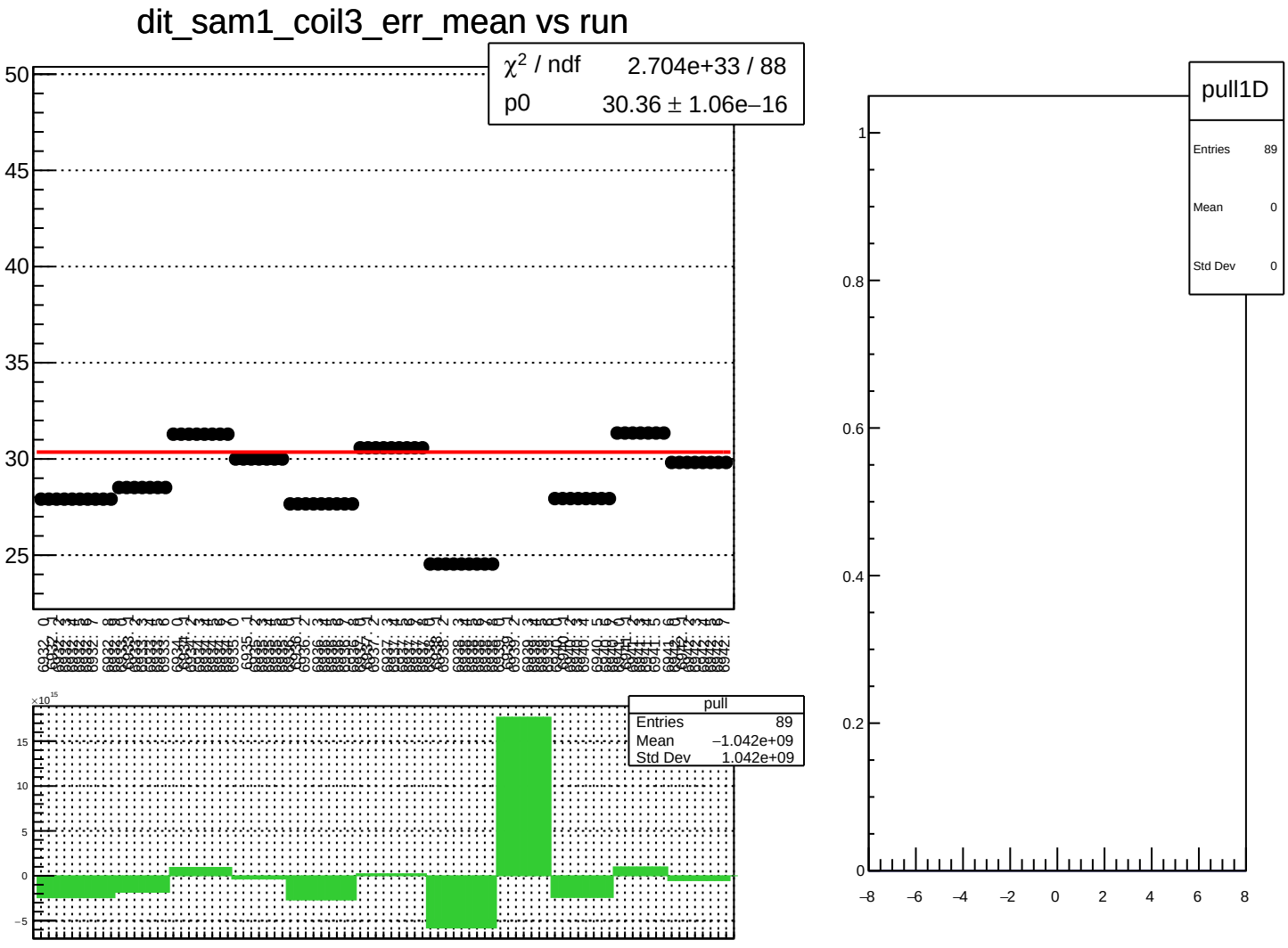

dit_atr1_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

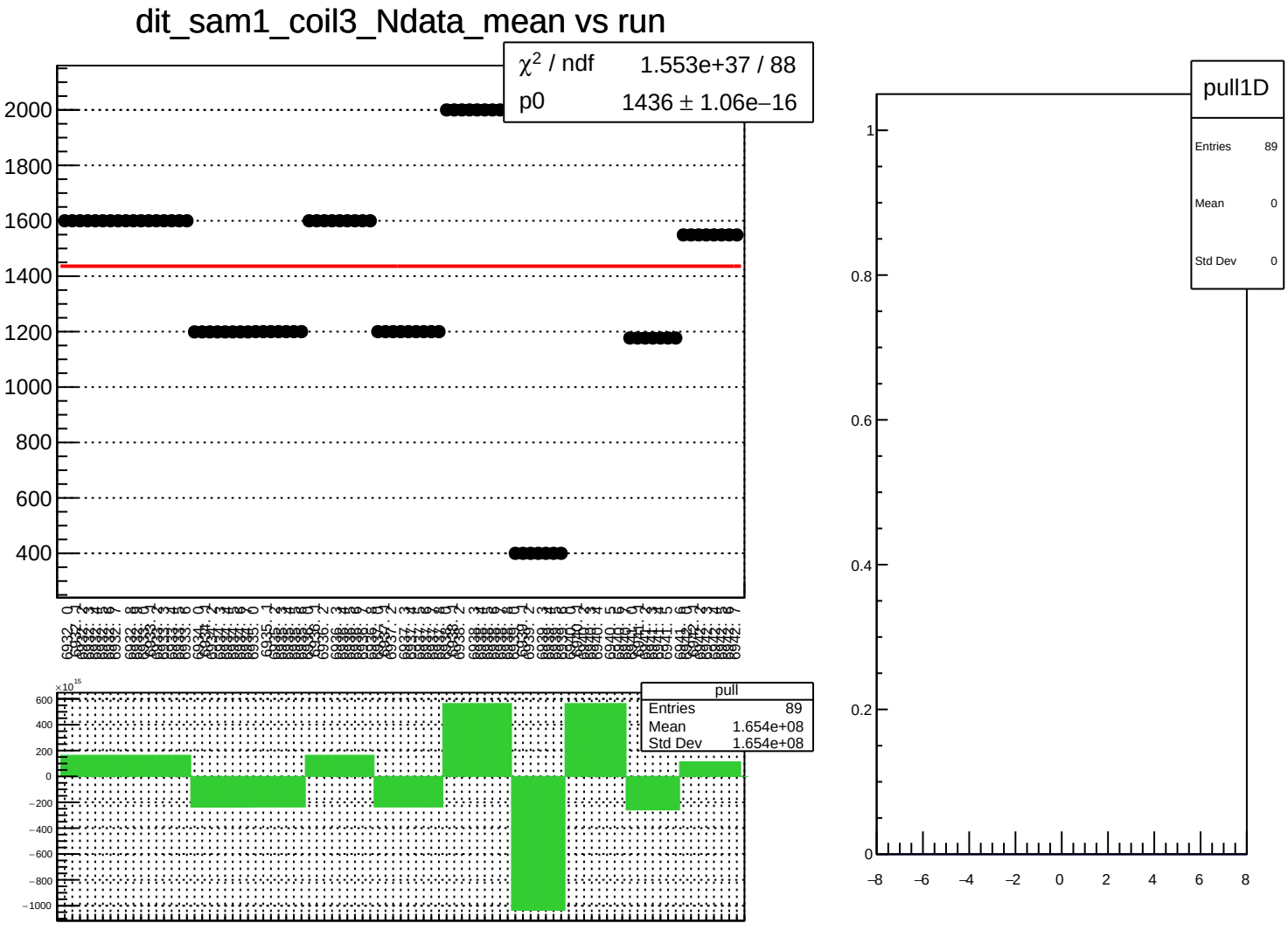

dit_atr2_coil3_mean vs run
χ² / ndf 1.769e+37 / 88
p0 −7815 ± 1.06e−16
−7000
−7200
−7400
−7600
−7800
−8000
−8200
−8400
−8600
−8800
pull
Entries 89
Mean 1.116e+10
Std Dev 1.116e+10
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

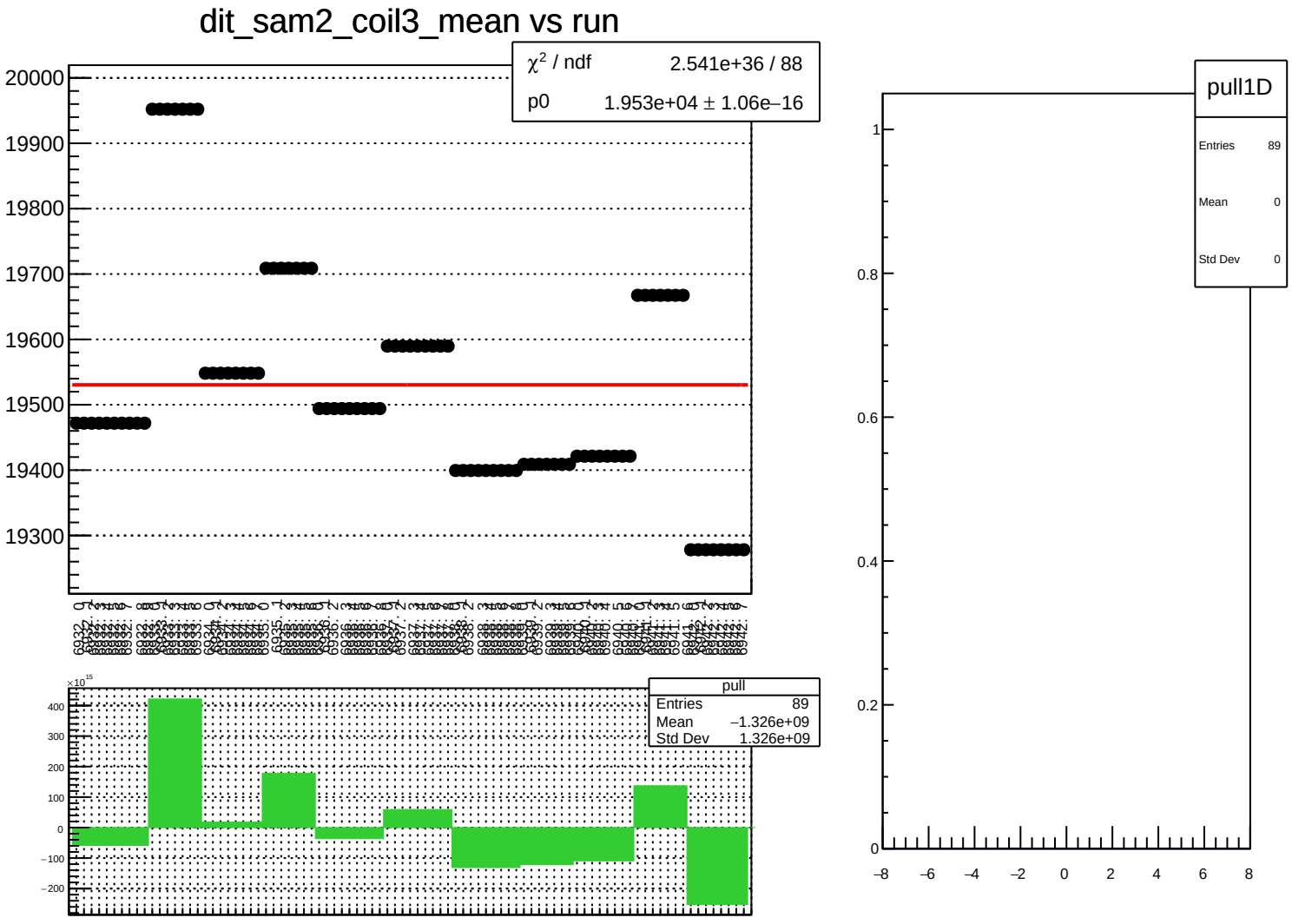

dit_atr2_coil3_err_mean vs run
χ² / ndf 1.418e+36 / 88
p0 677.8 ± 1.06e−16
950
900
850
800
750
700
650
600
550
500
pull
Entries 89
Mean −1.141e+09
Std Dev 1.141e+09
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

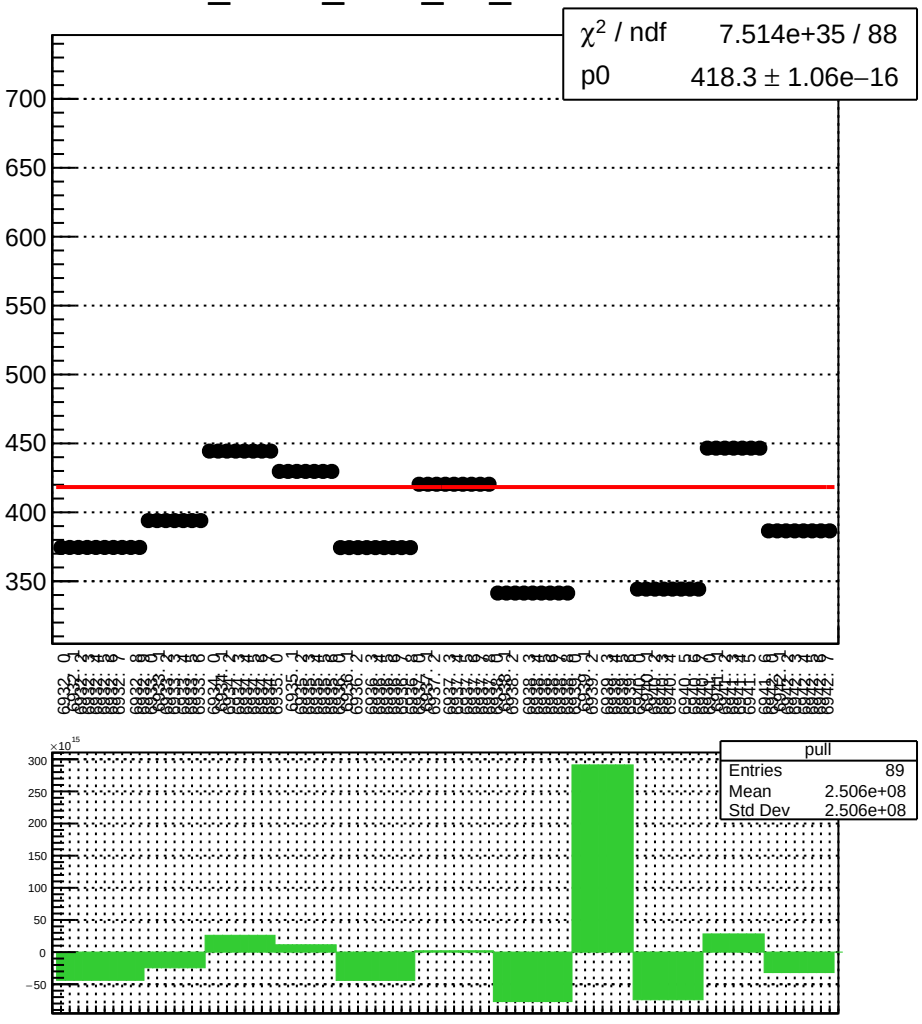

dit_sam1_coil3_mean vs run
χ² / ndf 1.36e+34 / 88
p0 1234 ± 1.06e−16
1260
1250
1240
1230
1220
1210
pull
Entries 89
Mean 1.852e+10
Std Dev 1.852e+10
×10¹⁵
20
10
0
−10
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

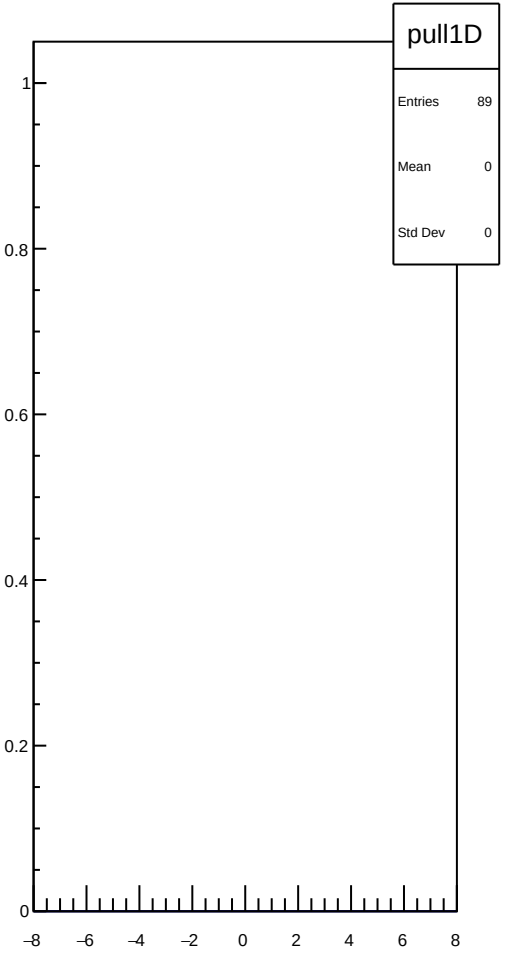

dit_sam1_coil3_err_mean vs run
χ² / ndf 2.704e+33 / 88
p0 30.36 ± 1.06e−16
pull
Entries 89
Mean −1.042e+09
Std Dev 1.042e+09
pull1D
Entries 89
Mean 0
Std Dev 0

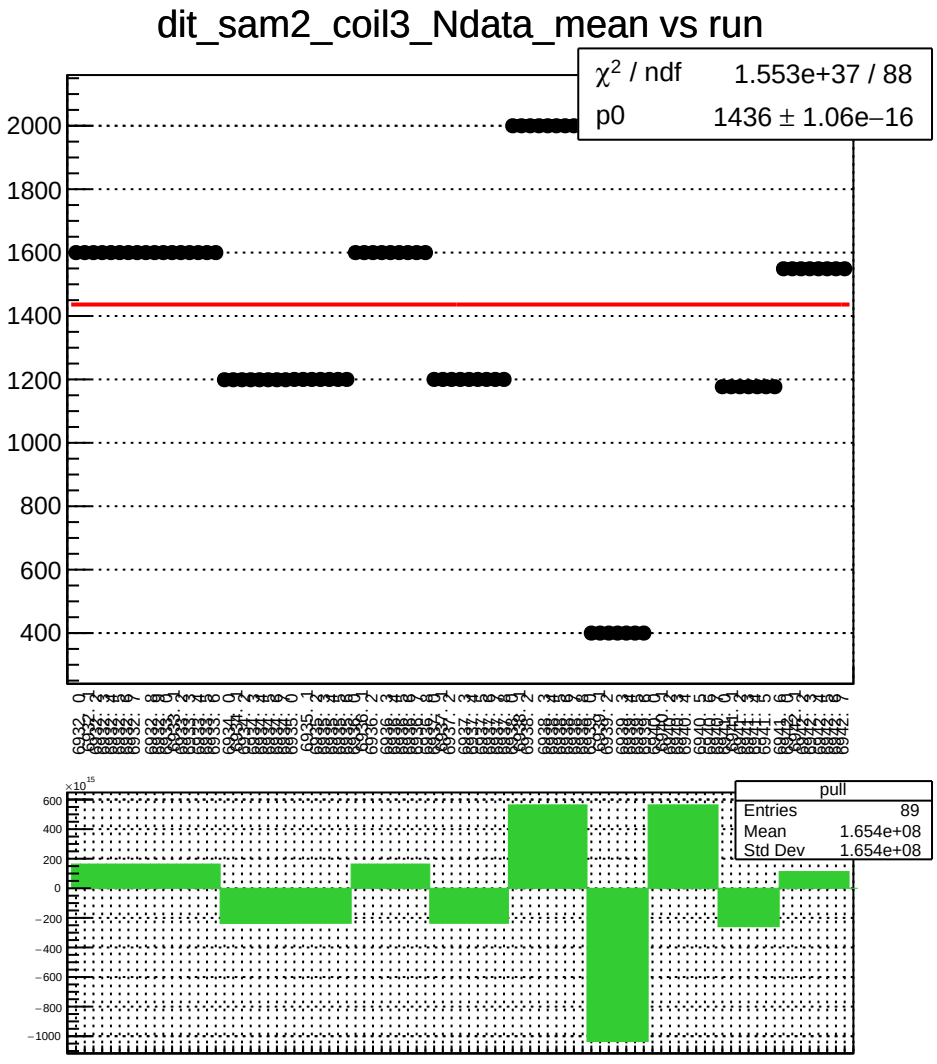

dit_sam1_coil3_Ndata_mean vs run
χ2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

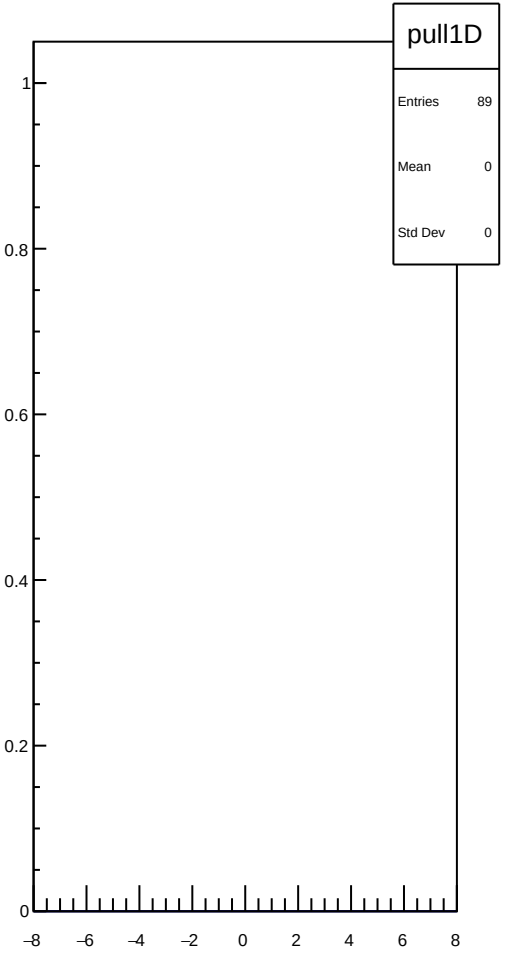

dit_sam2_coil3_mean vs run
χ² / ndf 2.541e+36 / 88
p0 1.953e+04 ± 1.06e−16
20000
19900
19800
19700
19600
19500
19400
19300
pull
Entries 89
Mean −1.326e+09
Std Dev 1.326e+09
×10¹⁵
400
300
200
100
0
−100
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

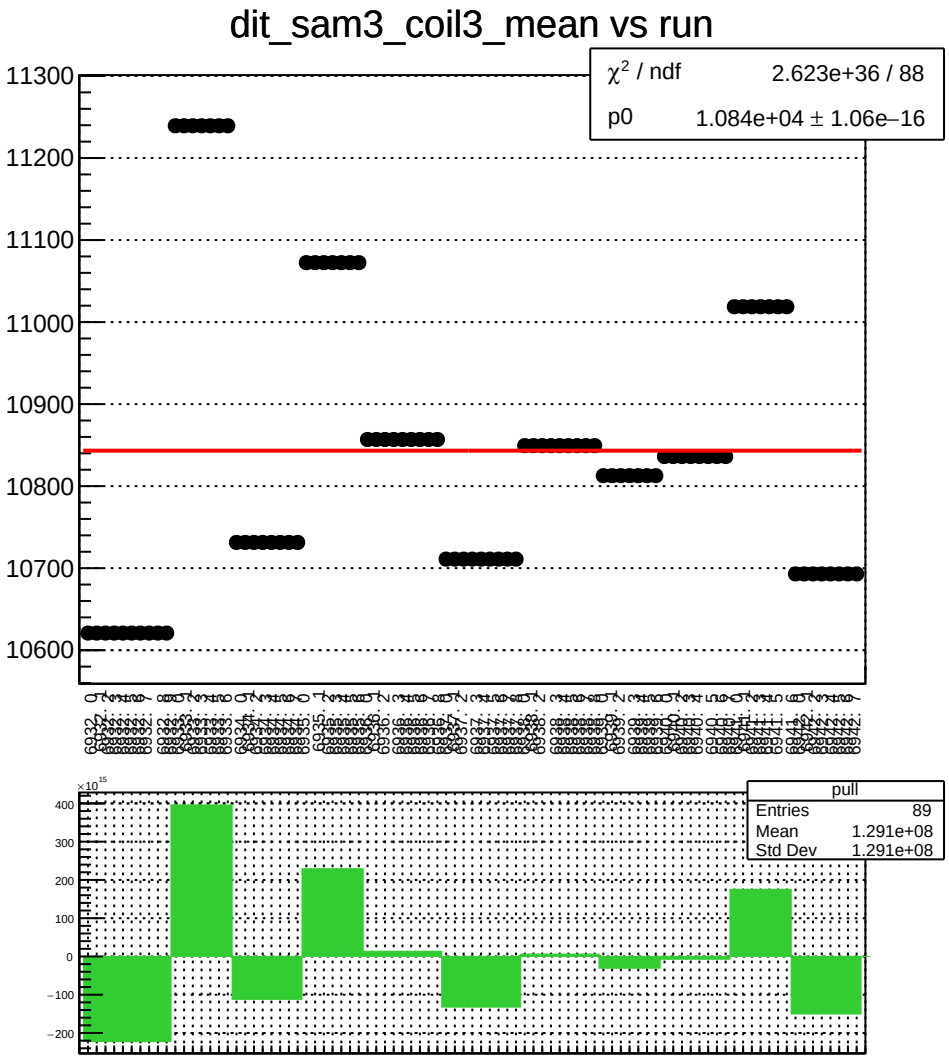
dit_sam2_coil3_err_mean vs run

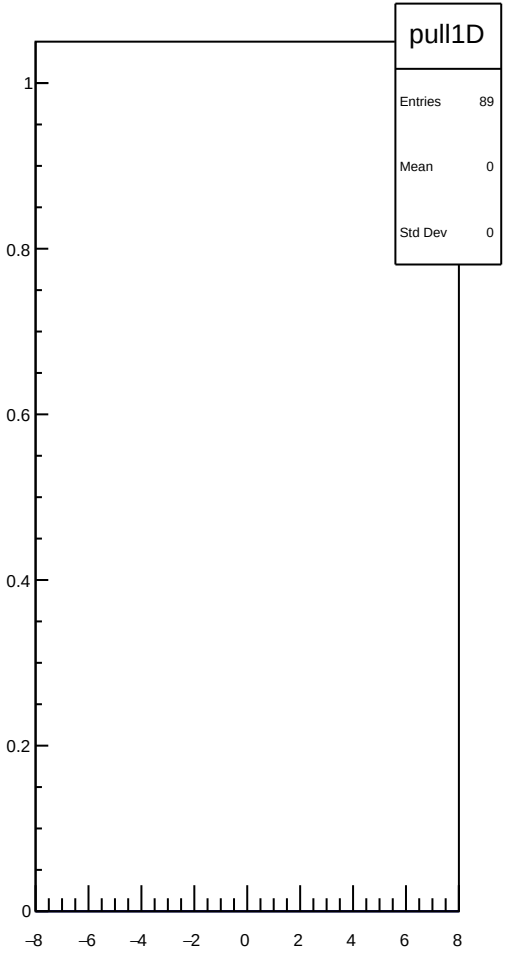




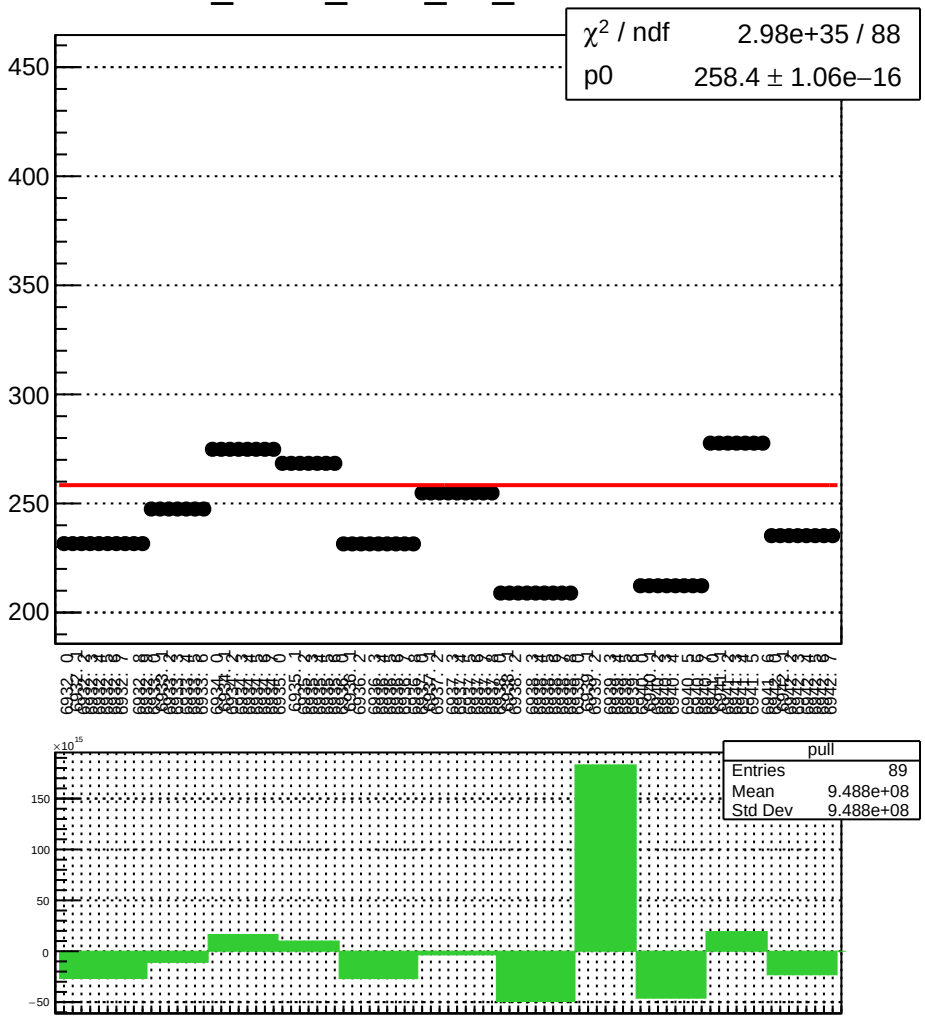

dit_sam2_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000

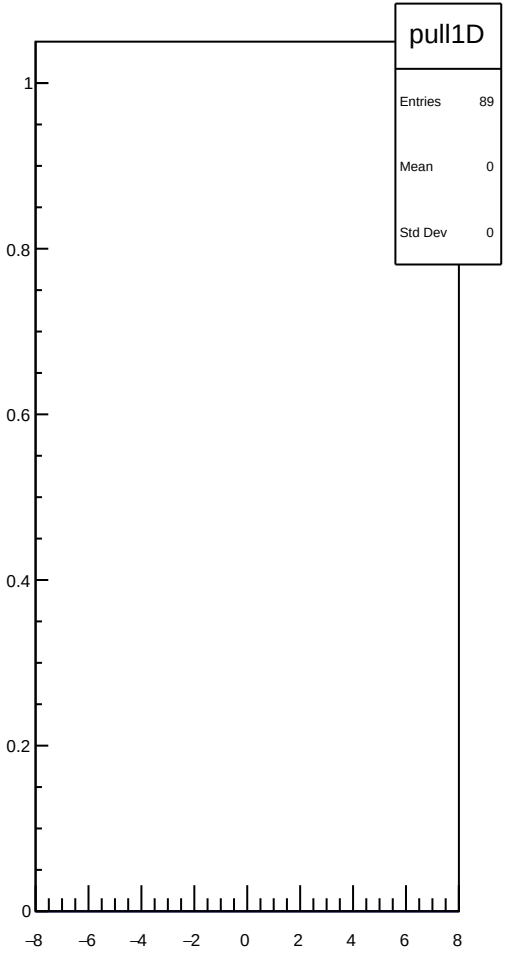

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

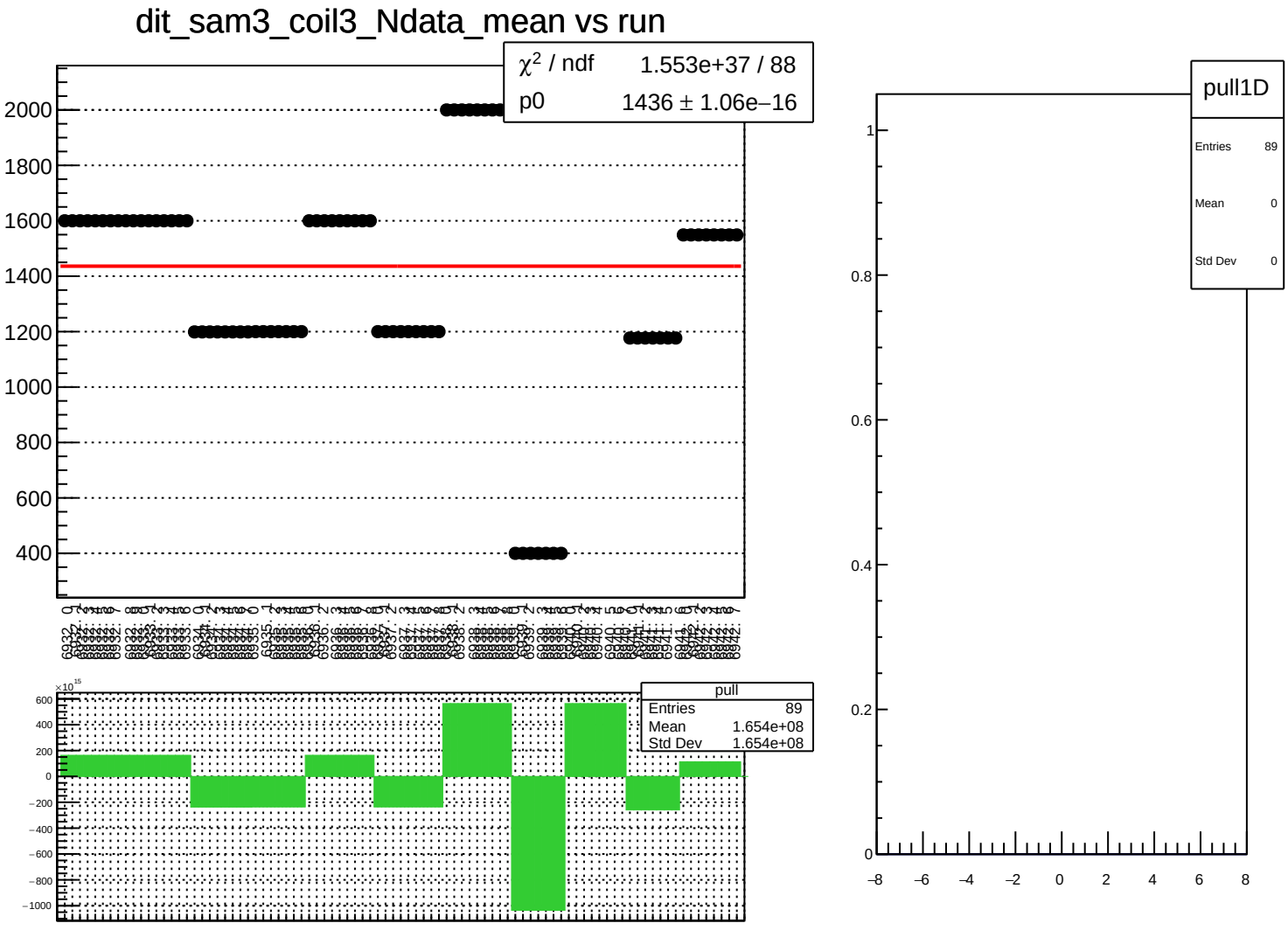

dit_sam3_coil3_mean vs run
χ² / ndf 2.623e+36 / 88
p0 1.084e+04 ± 1.06e−16
11300
11200
11100
11000
10900
10800
10700
10600
pull
Entries 89
Mean 1.291e+08
Std Dev 1.291e+08
×10¹⁵
400
300
200
100
0
−100
−200

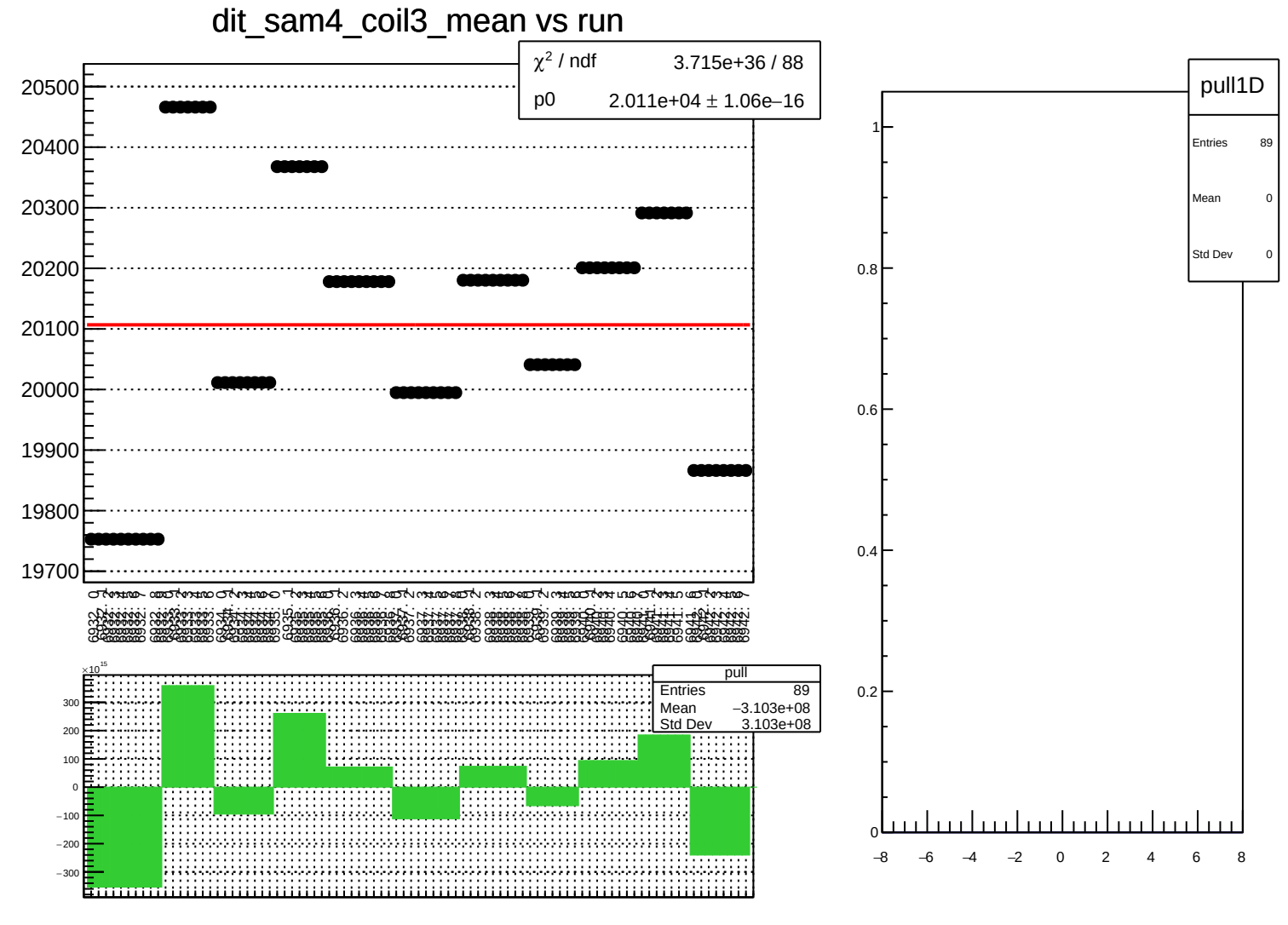

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

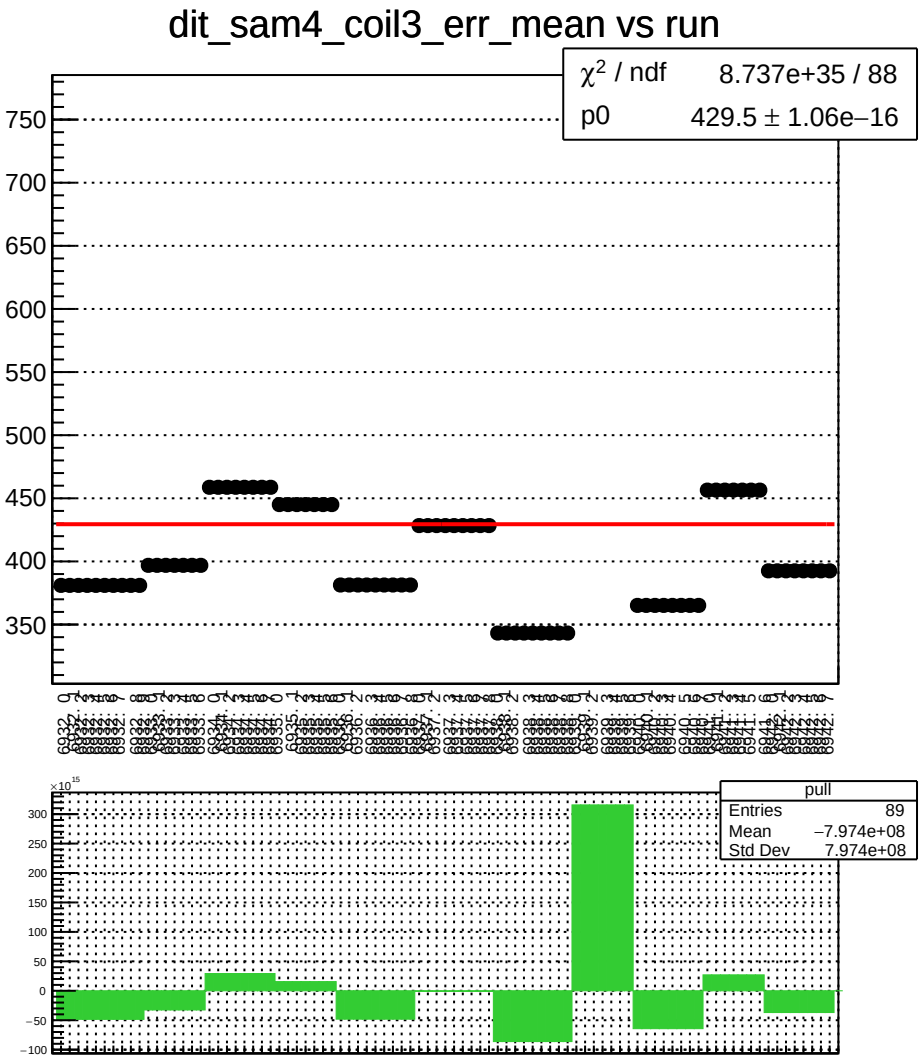
dit_sam3_coil3_err_mean vs run

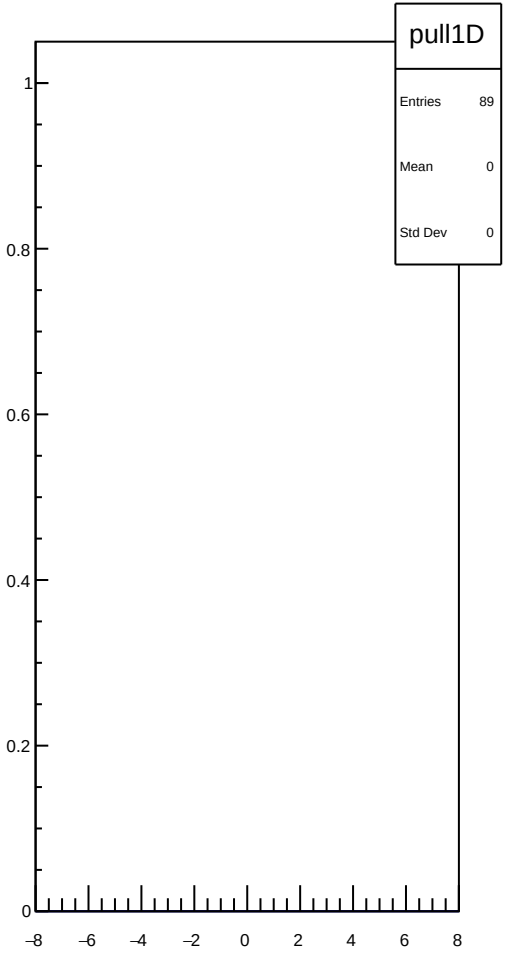


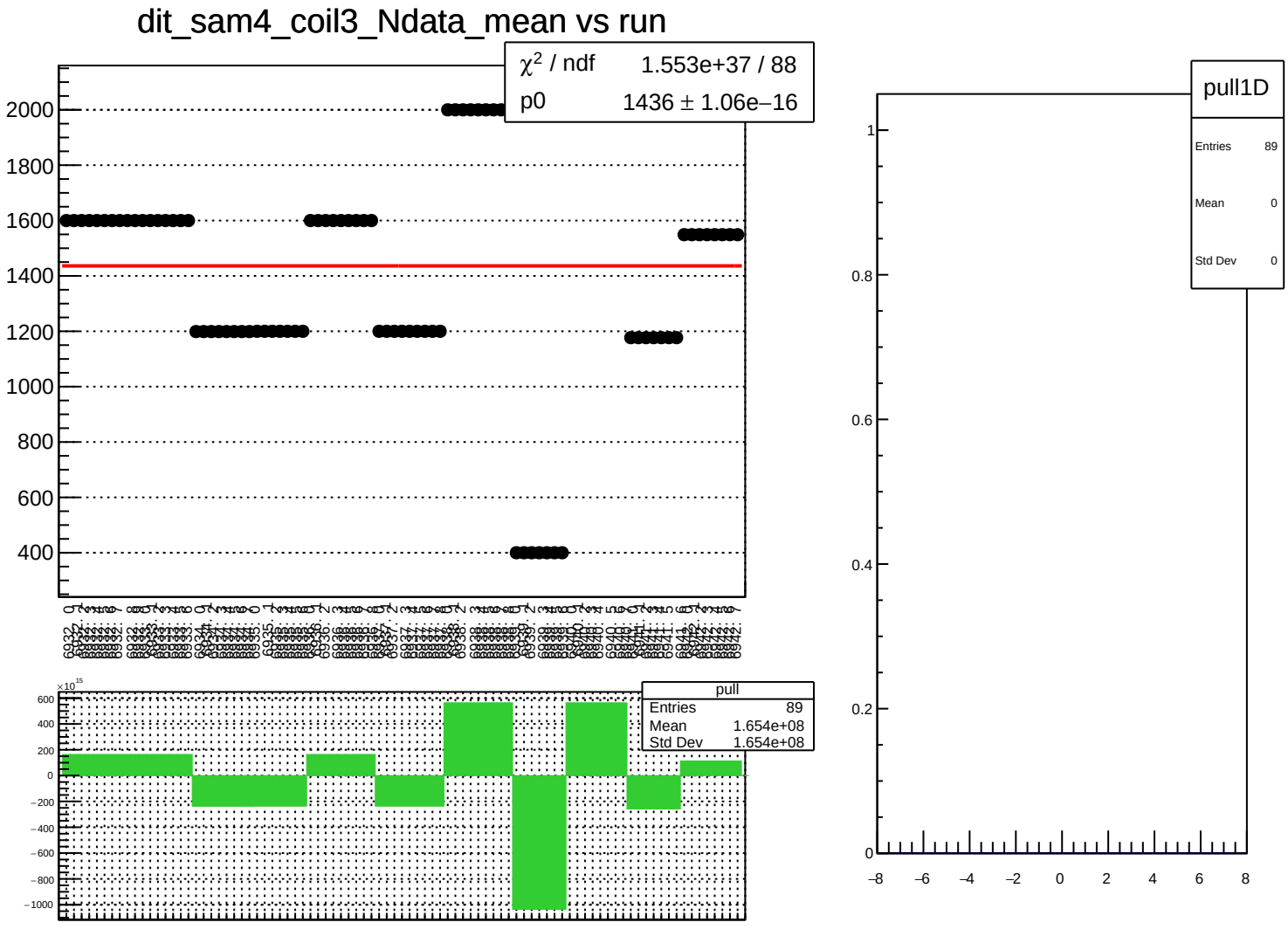


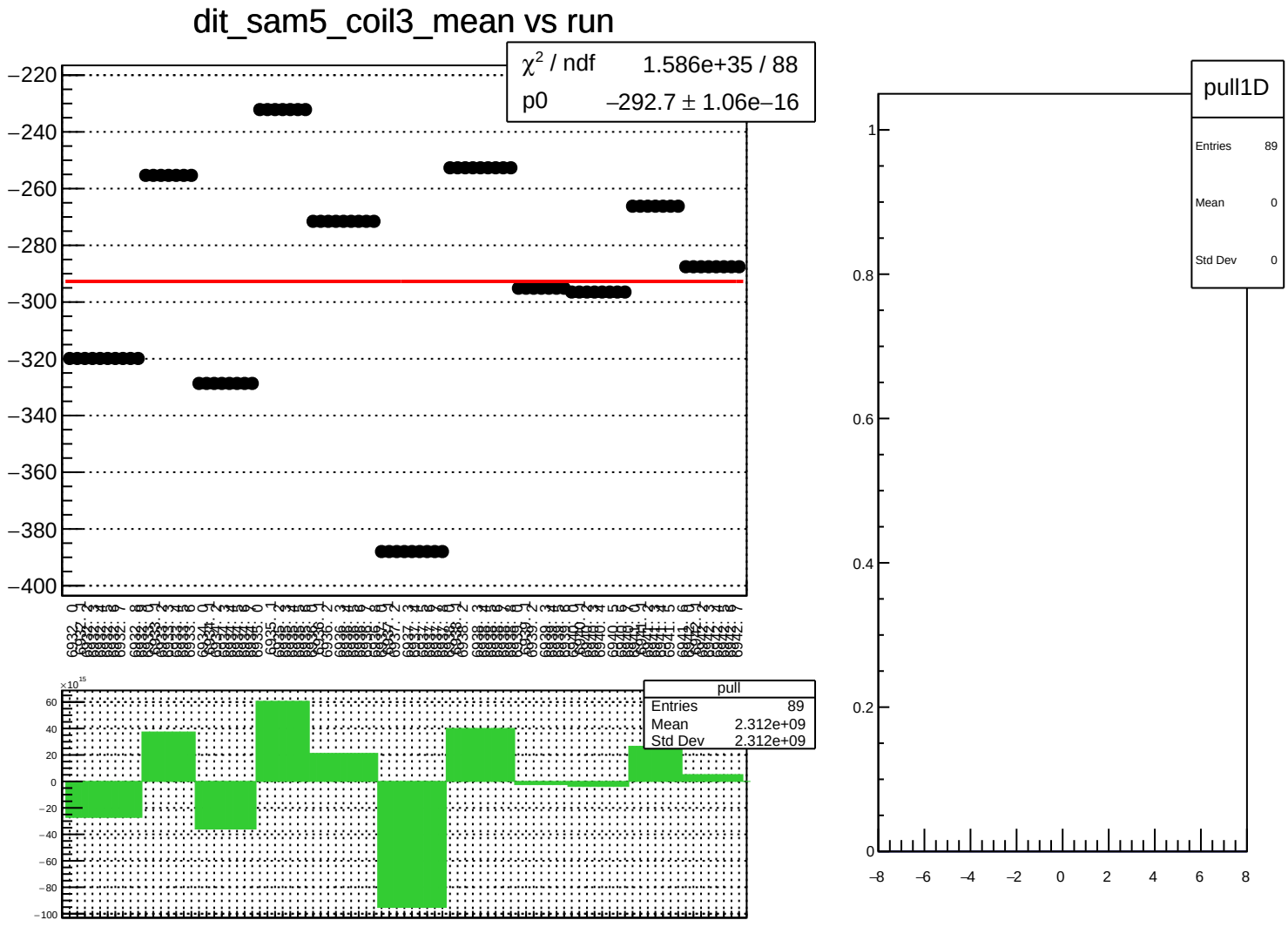

dit_sam3_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

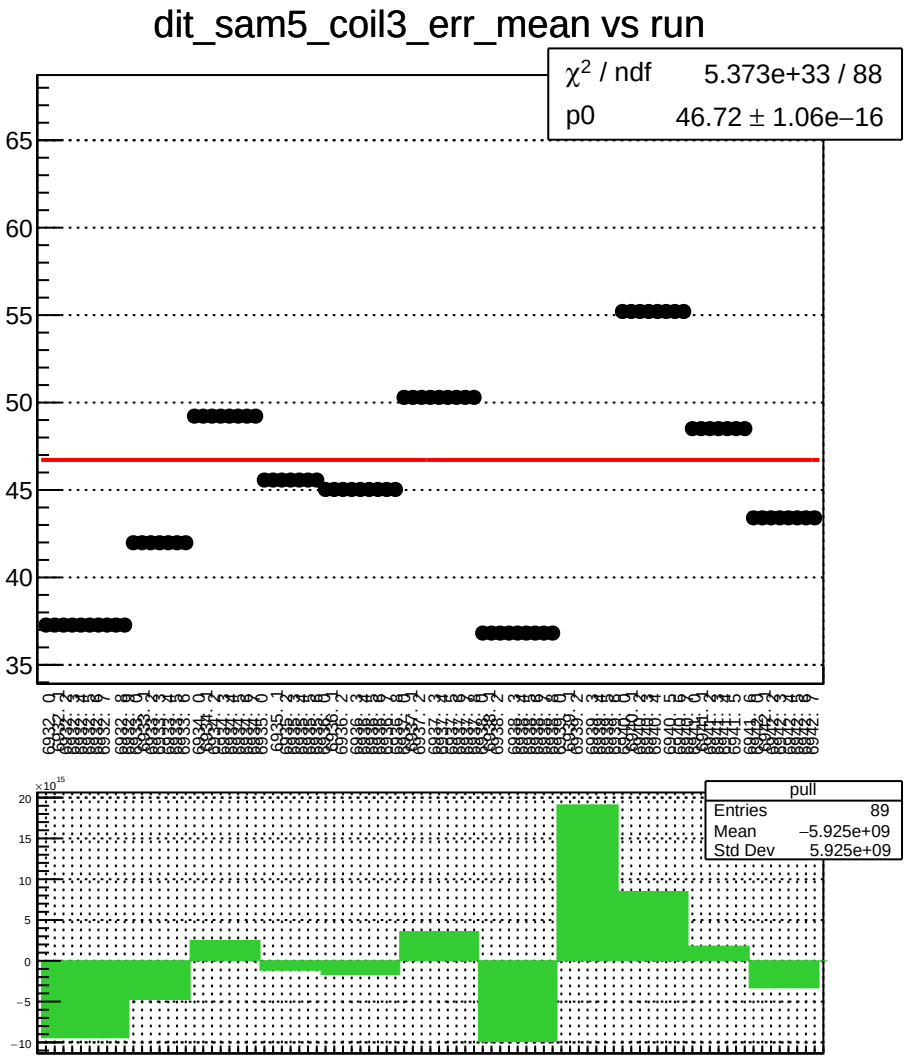

dit_sam4_coil3_mean vs run
χ² / ndf 3.715e+36 / 88
p0 2.011e+04 ± 1.06e−16
20500
20400
20300
20200
20100
20000
19900
19800
19700
pull
Entries 89
Mean −3.103e+08
Std Dev 3.103e+08
×10^15
300
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

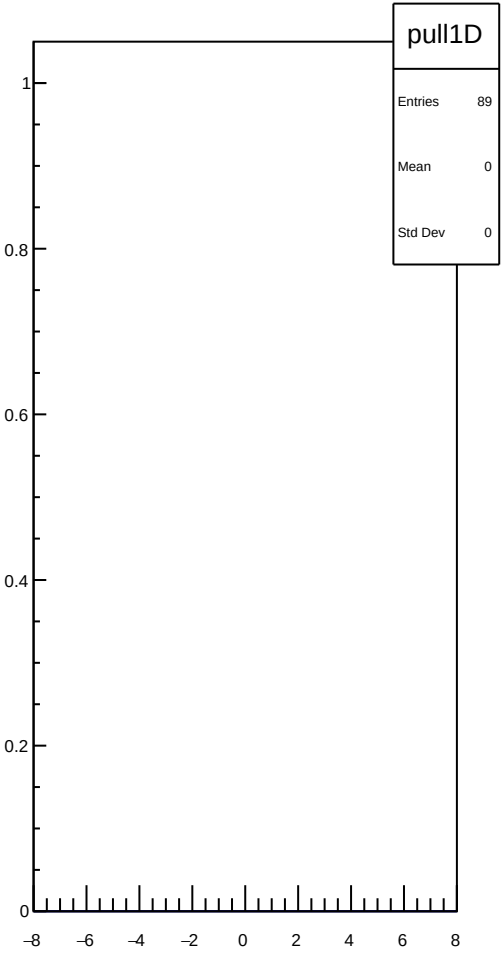

dit_sam4_coil3_err_mean vs run
χ² / ndf 8.737e+35 / 88
p0 429.5 ± 1.06e−16
750
700
650
600
550
500
450
400
350
pull
Entries 89
Mean −7.974e+08
Std Dev 7.974e+08
×10¹⁵
300
250
200
150
100
50
0
−50
−100

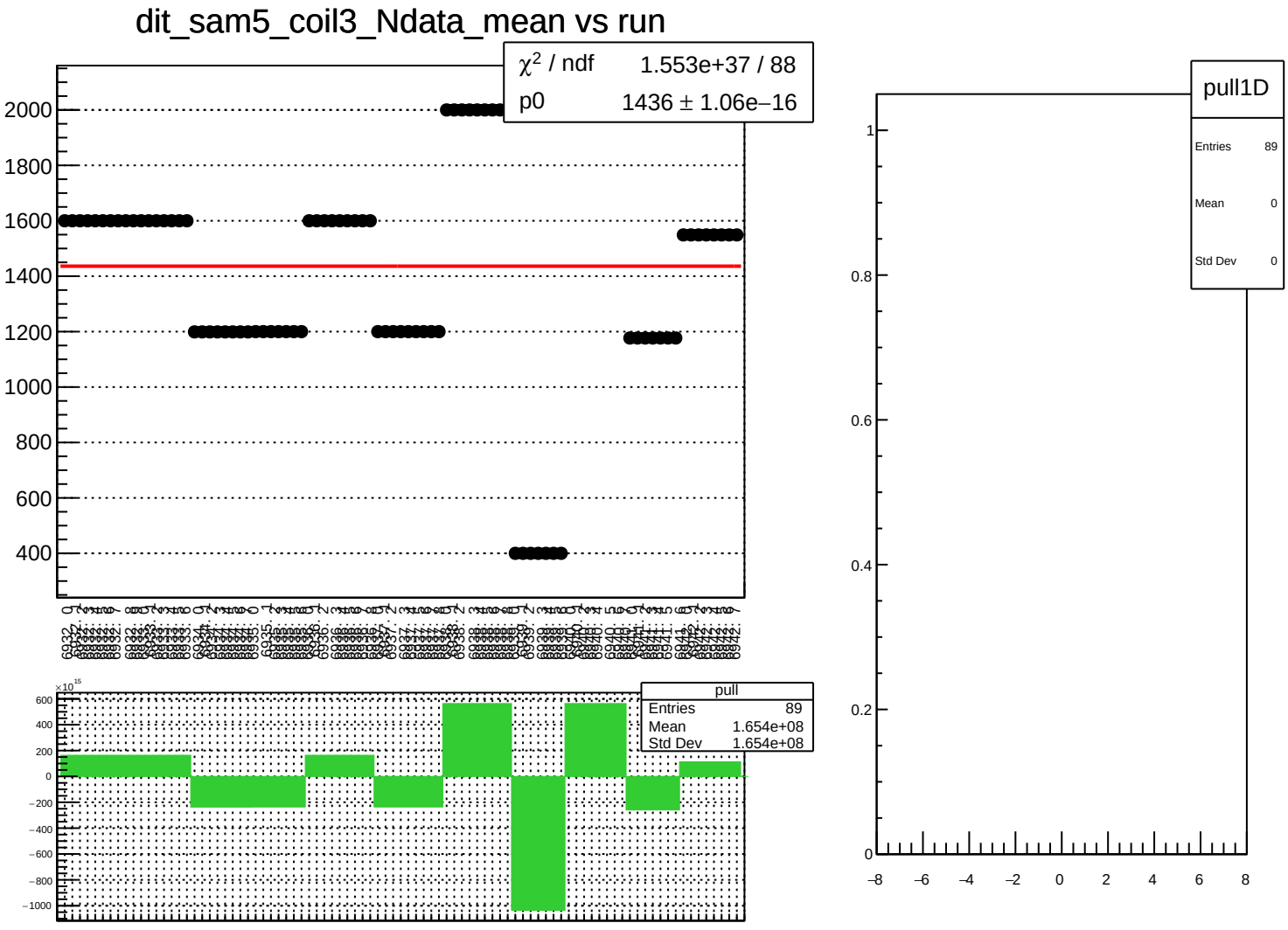

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

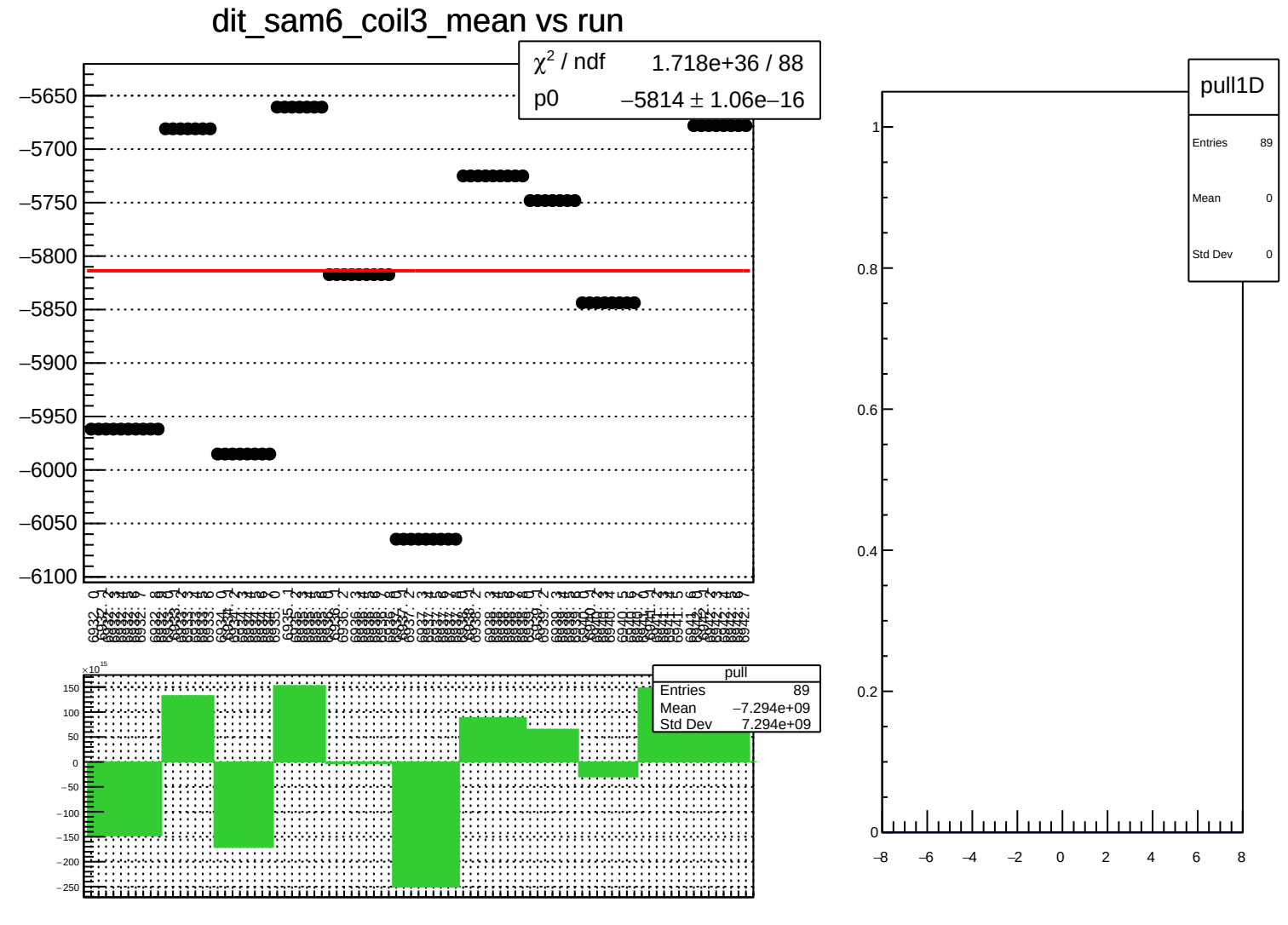

dit_sam4_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil3_mean vs run
χ^2 / ndf 1.586e+35 / 88
p0 –292.7 ± 1.06e–16
pull
Entries 89
Mean 2.312e+09
Std Dev 2.312e+09
pull1D
Entries 89
Mean 0
Std Dev 0

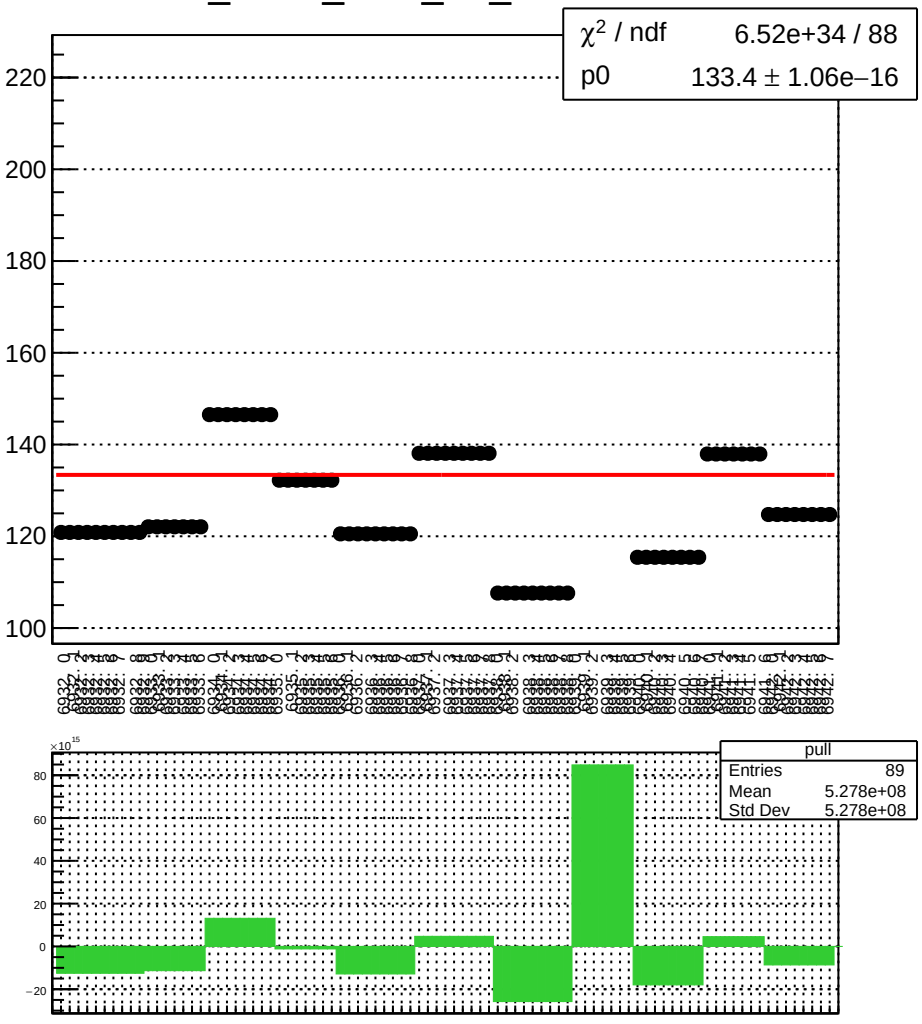

dit_sam5_coil3_err_mean vs run
χ² / ndf 5.373e+33 / 88
p0 46.72 ± 1.06e−16
65
60
55
50
45
40
35
pull
Entries 89
Mean −5.925e+09
Std Dev 5.925e+09
×10¹⁵
20
15
10
5
0
−5
−10

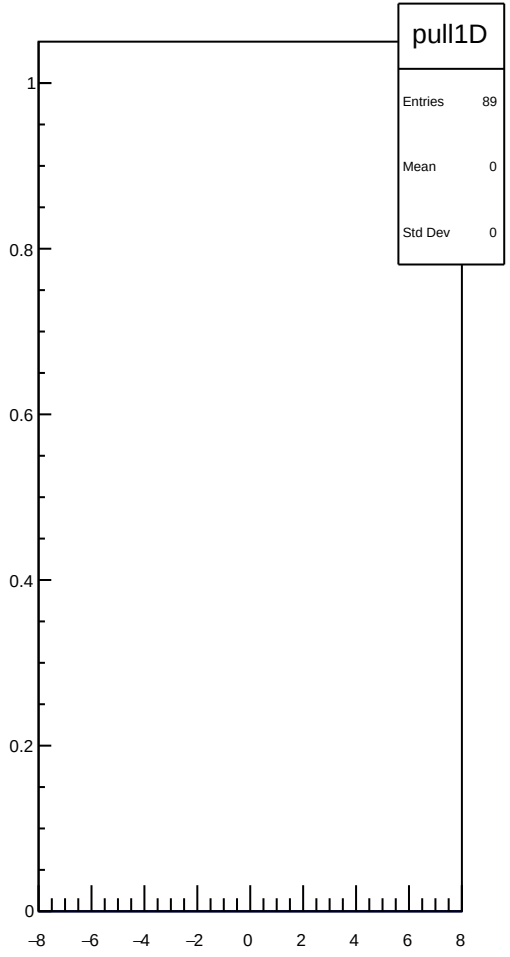

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

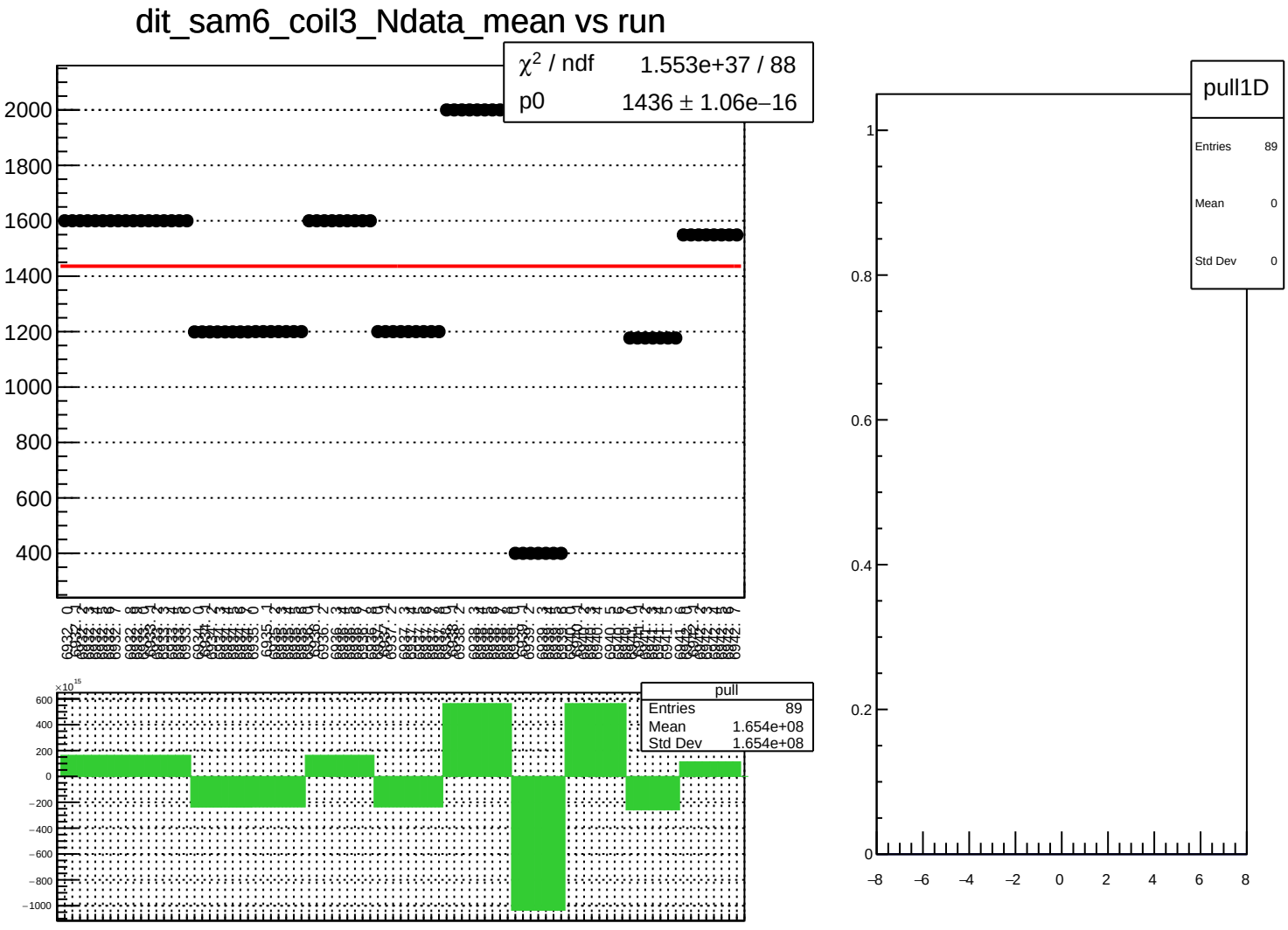

dit_sam5_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

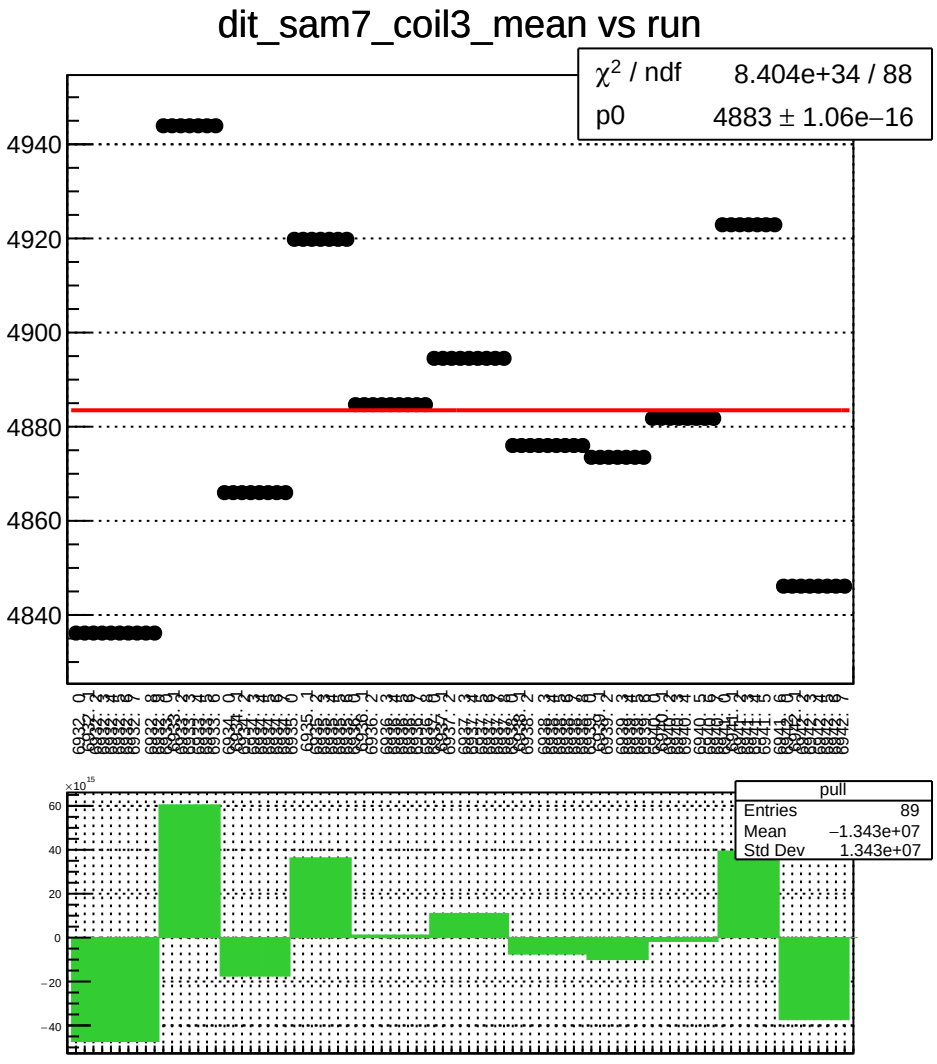

dit_sam6_coil3_mean vs run
χ² / ndf 1.718e+36 / 88
p0 −5814 ± 1.06e−16
−5650
−5700
−5750
−5800
−5850
−5900
−5950
−6000
−6050
−6100
pull
Entries 89
Mean −7.294e+09
Std Dev 7.294e+09
×10¹⁵
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

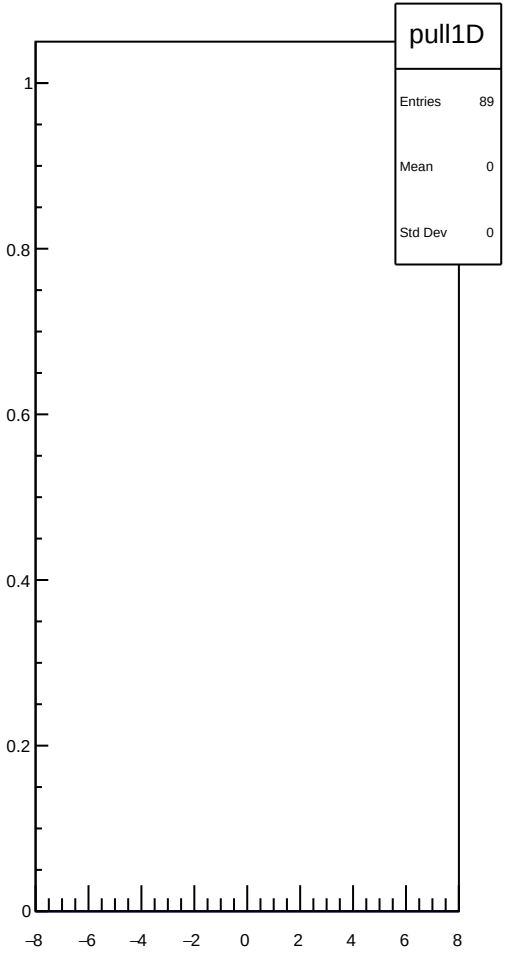
dit_sam6_coil3_err_mean vs run



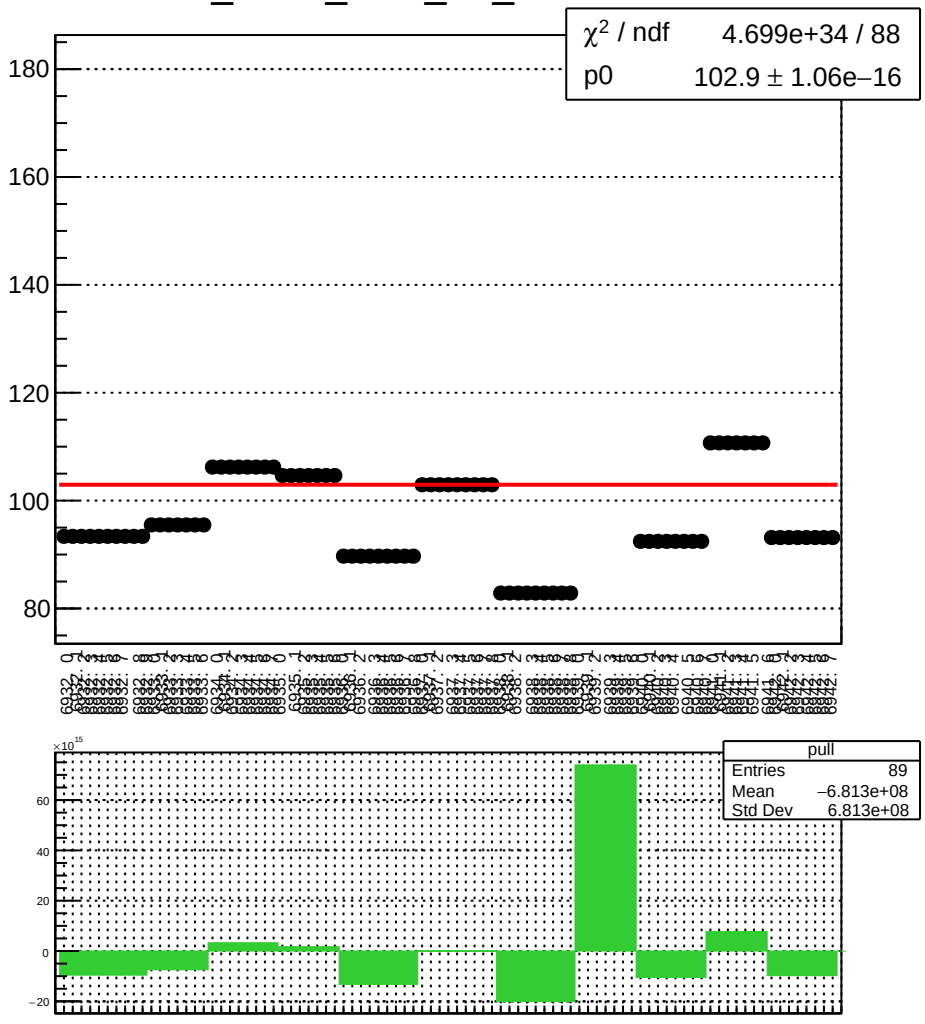


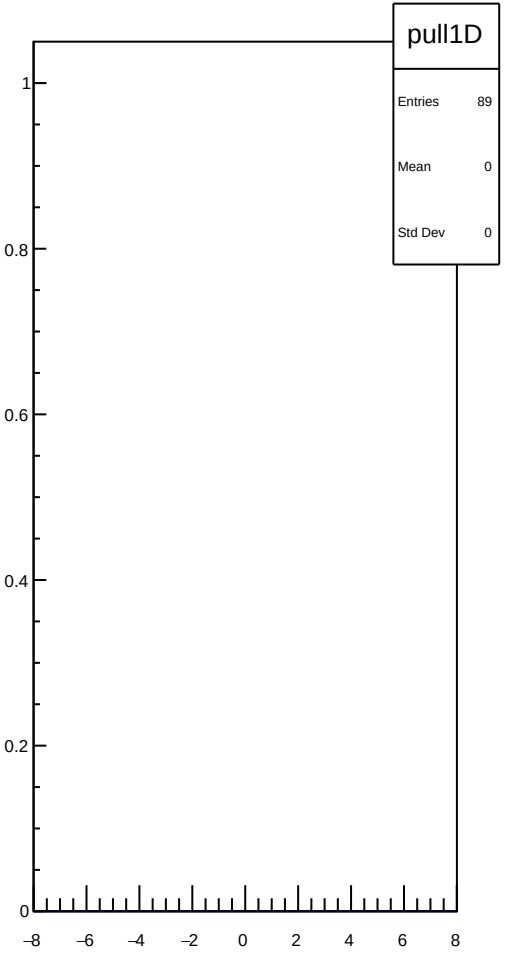

dit_sam6_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

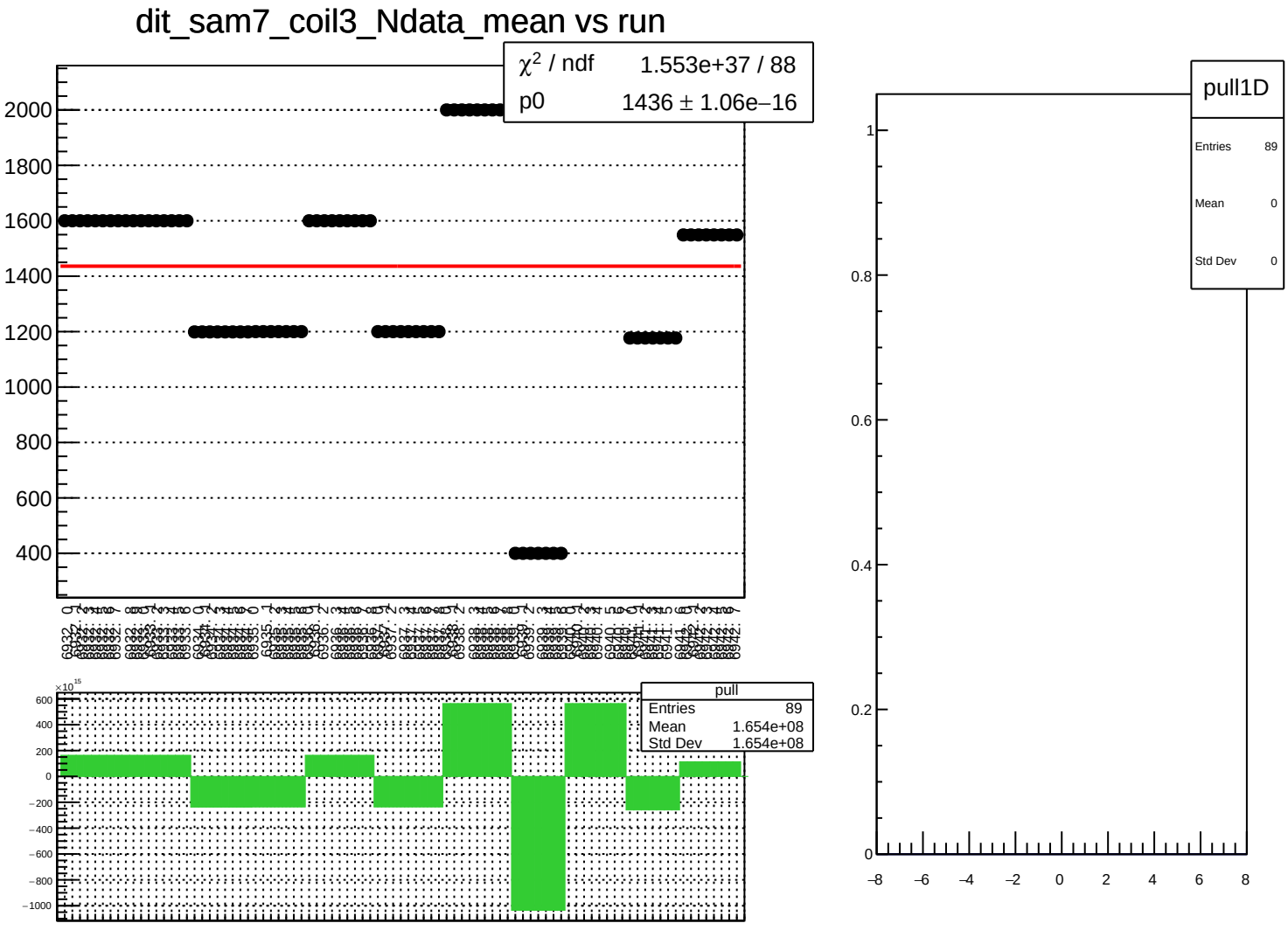

dit_sam7_coil3_mean vs run
χ² / ndf 8.404e+34 / 88
p0 4883 ± 1.06e−16
4940
4920
4900
4880
4860
4840
pull
Entries 89
Mean −1.343e+07
Std Dev 1.343e+07
×10¹⁵
60
40
20
0
−20
−40

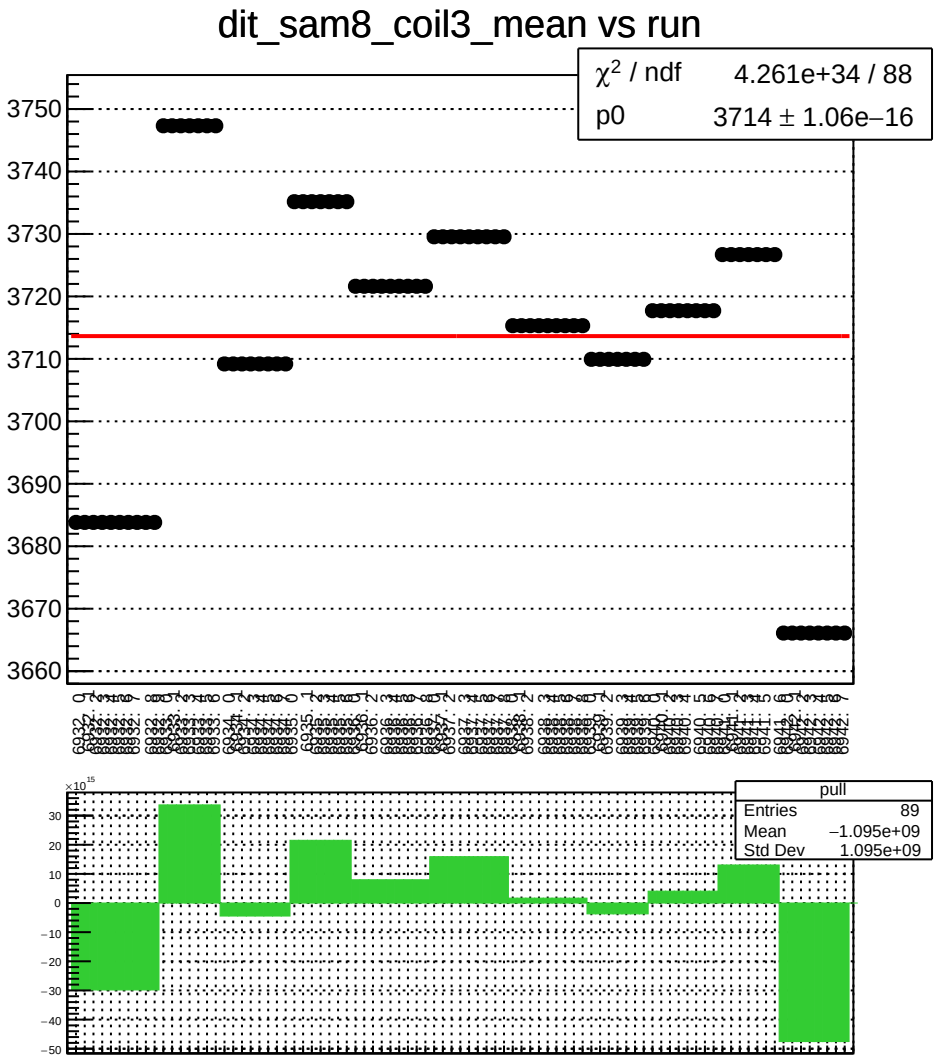

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

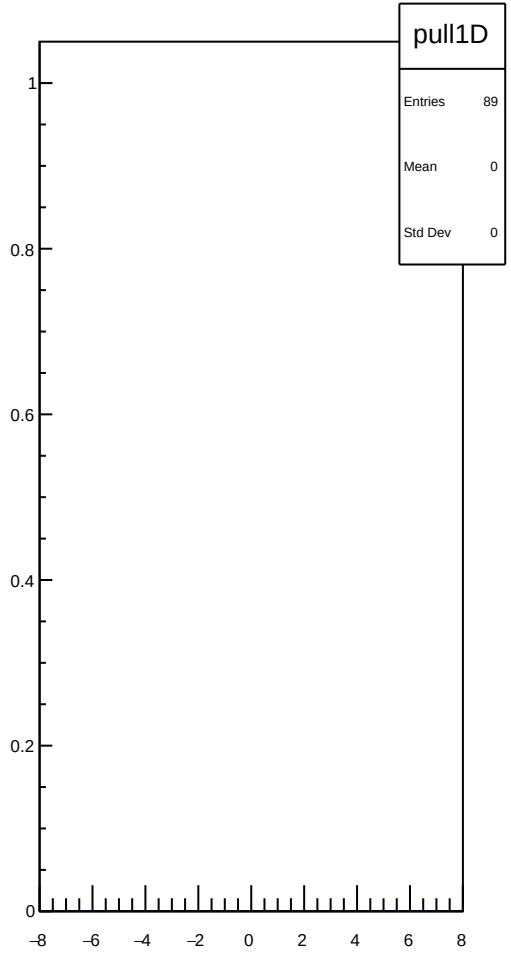
dit_sam7_coil3_err_mean vs run

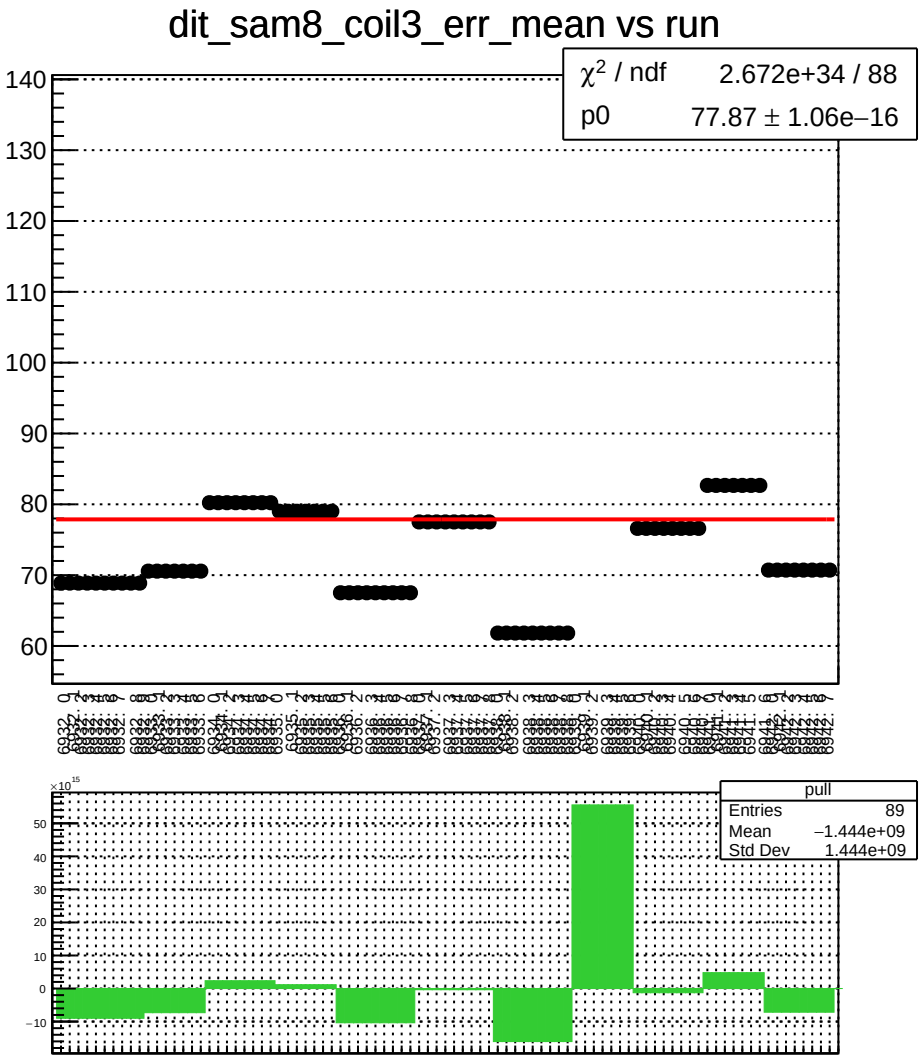


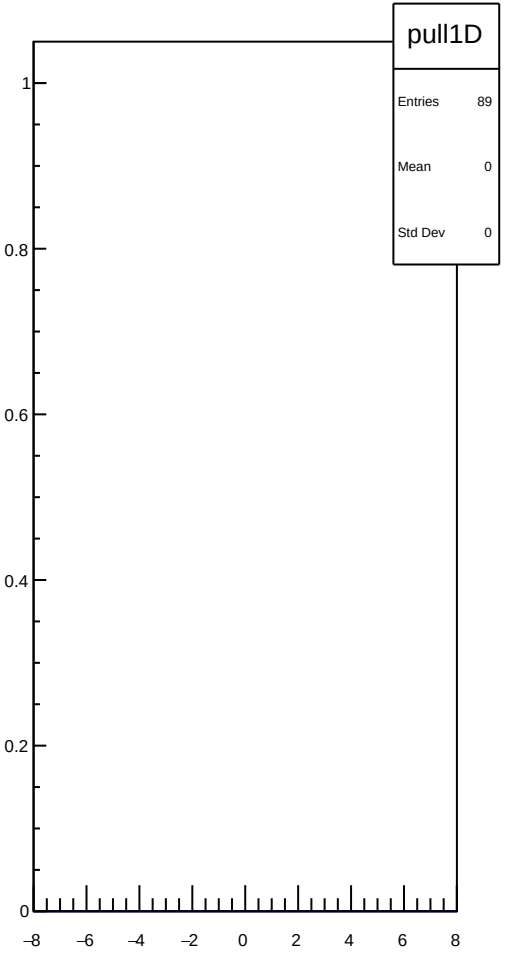


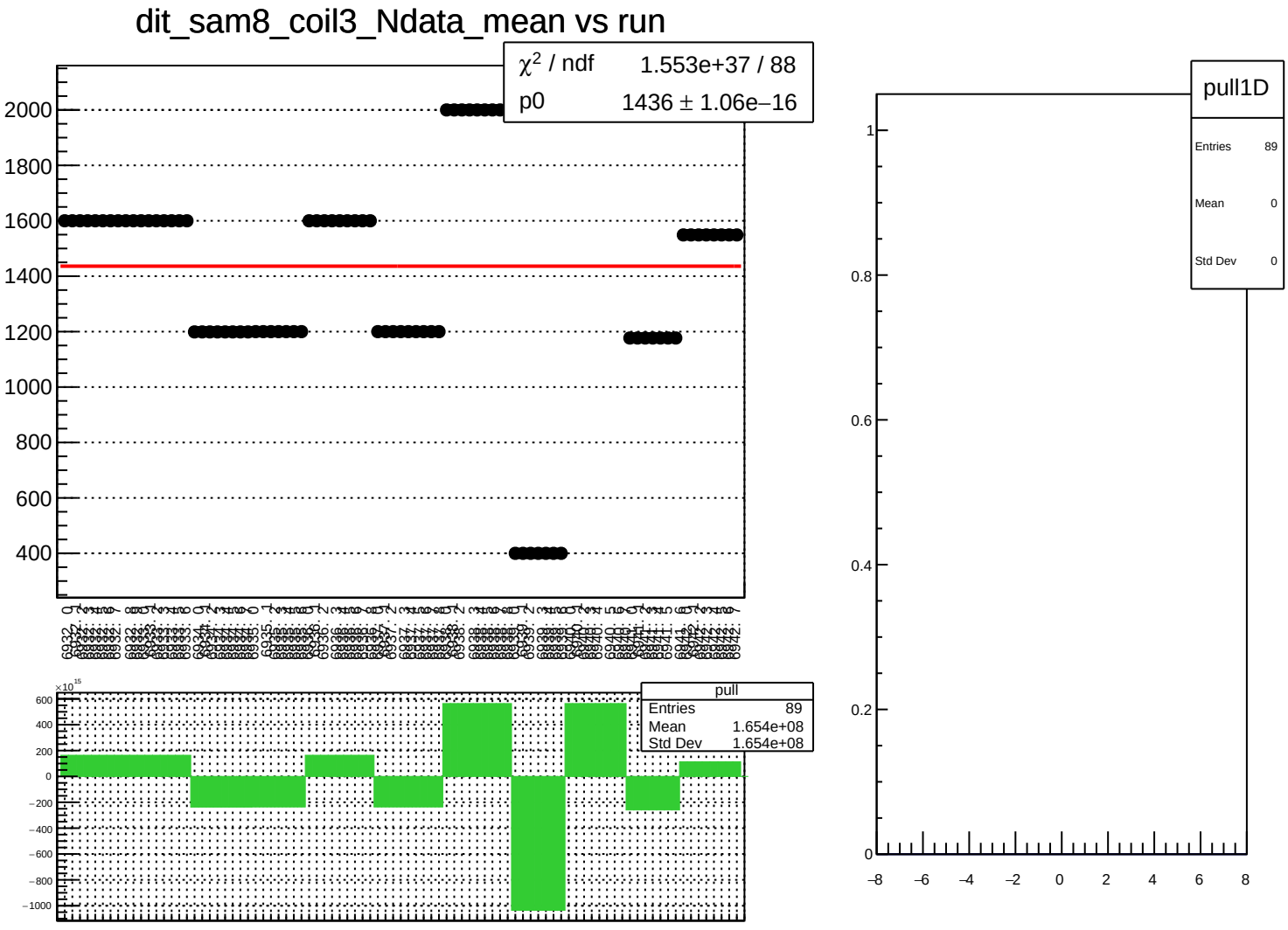

dit_sam7_coil3_Ndata_mean vs run
χ2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

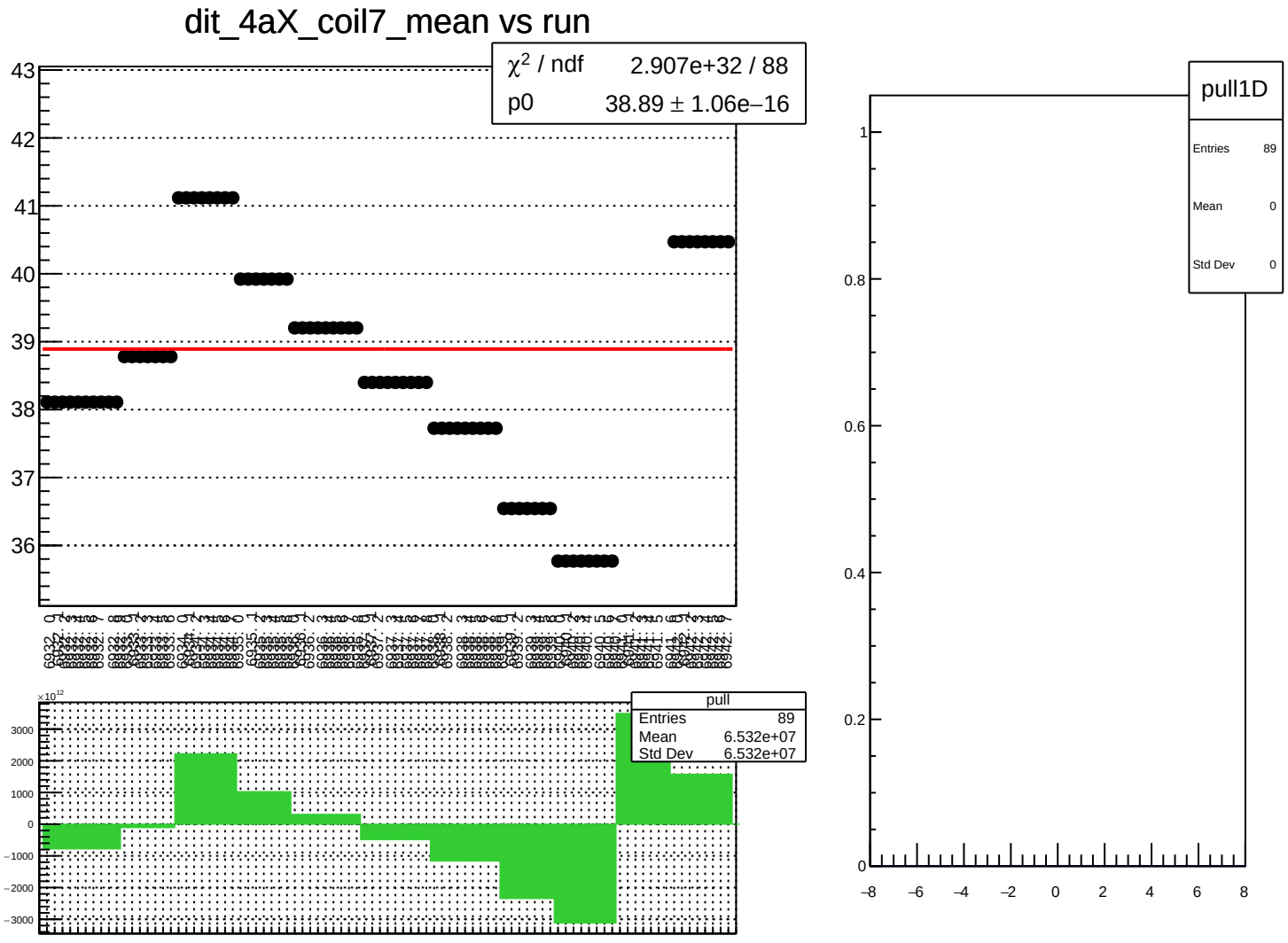

dit_sam8_coil3_mean vs run
χ² / ndf 4.261e+34 / 88
p0 3714 ± 1.06e−16
3750
3740
3730
3720
3710
3700
3690
3680
3670
3660
pull
Entries 89
Mean −1.095e+09
Std Dev 1.095e+09
×10¹⁵
30
20
10
0
−10
−20
−30
−40
−50

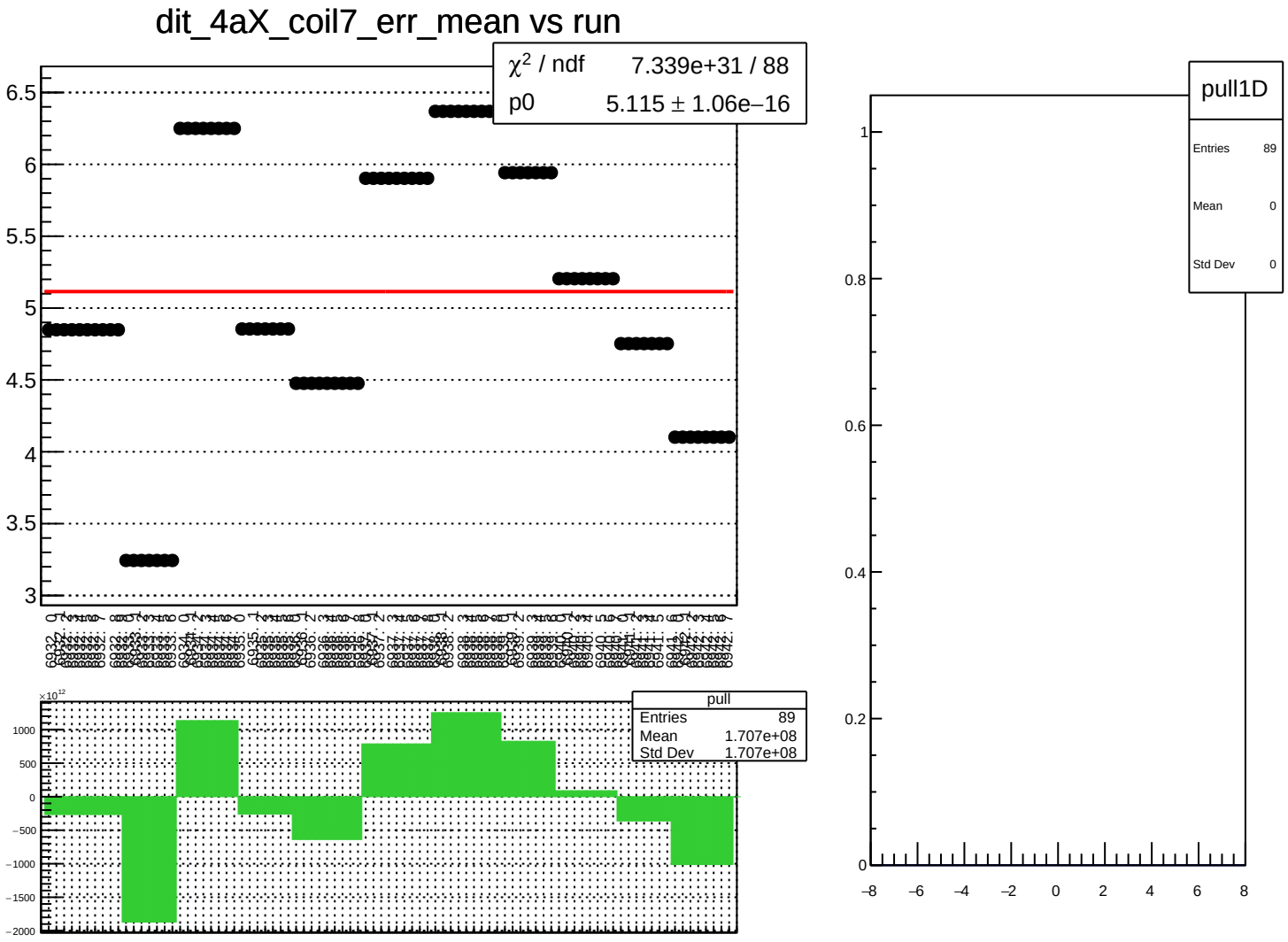

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

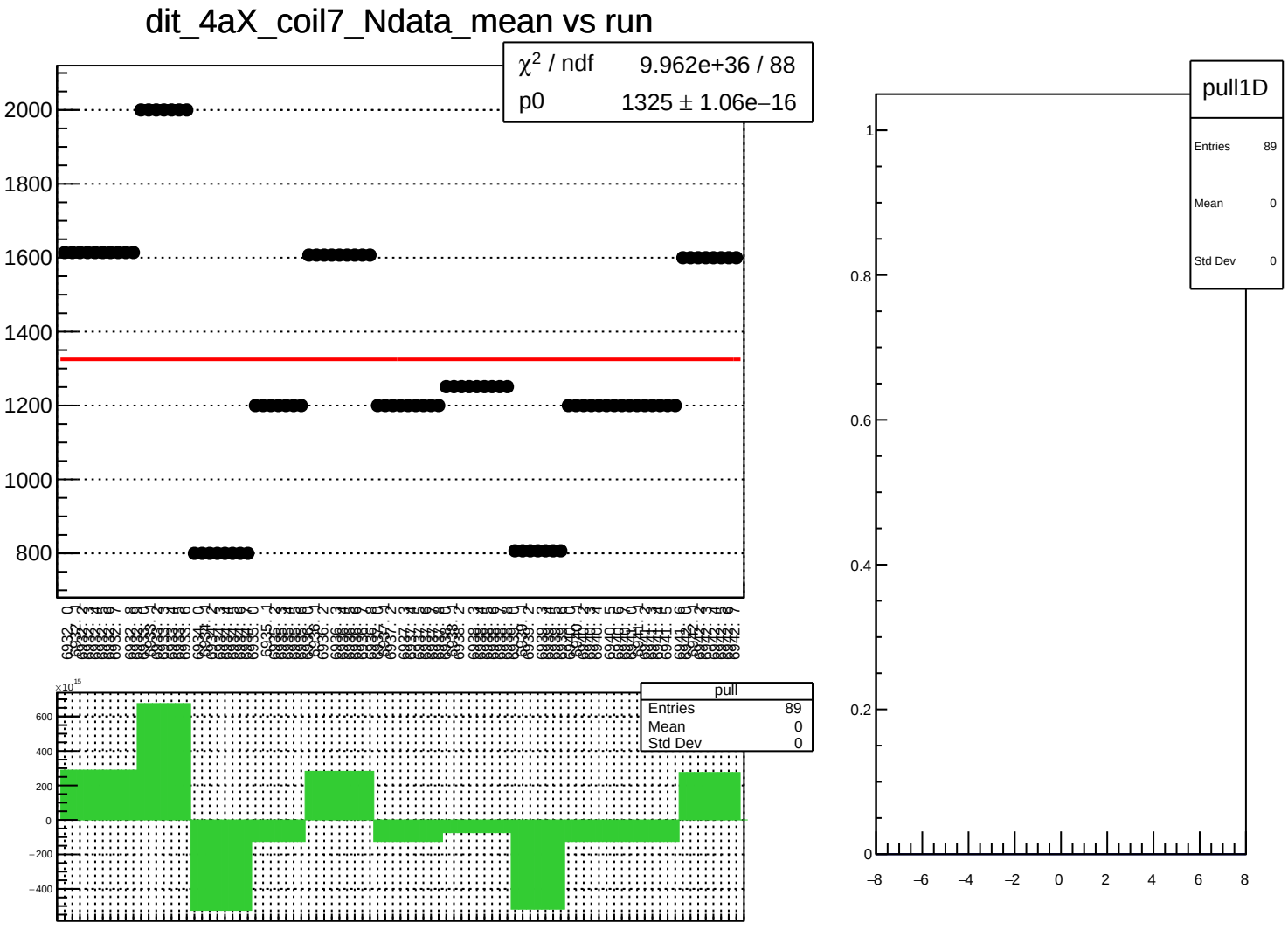

dit_sam8_coil3_err_mean vs run
χ² / ndf 2.672e+34 / 88
p0 77.87 ± 1.06e−16
pull
Entries 89
Mean −1.444e+09
Std Dev 1.444e+09

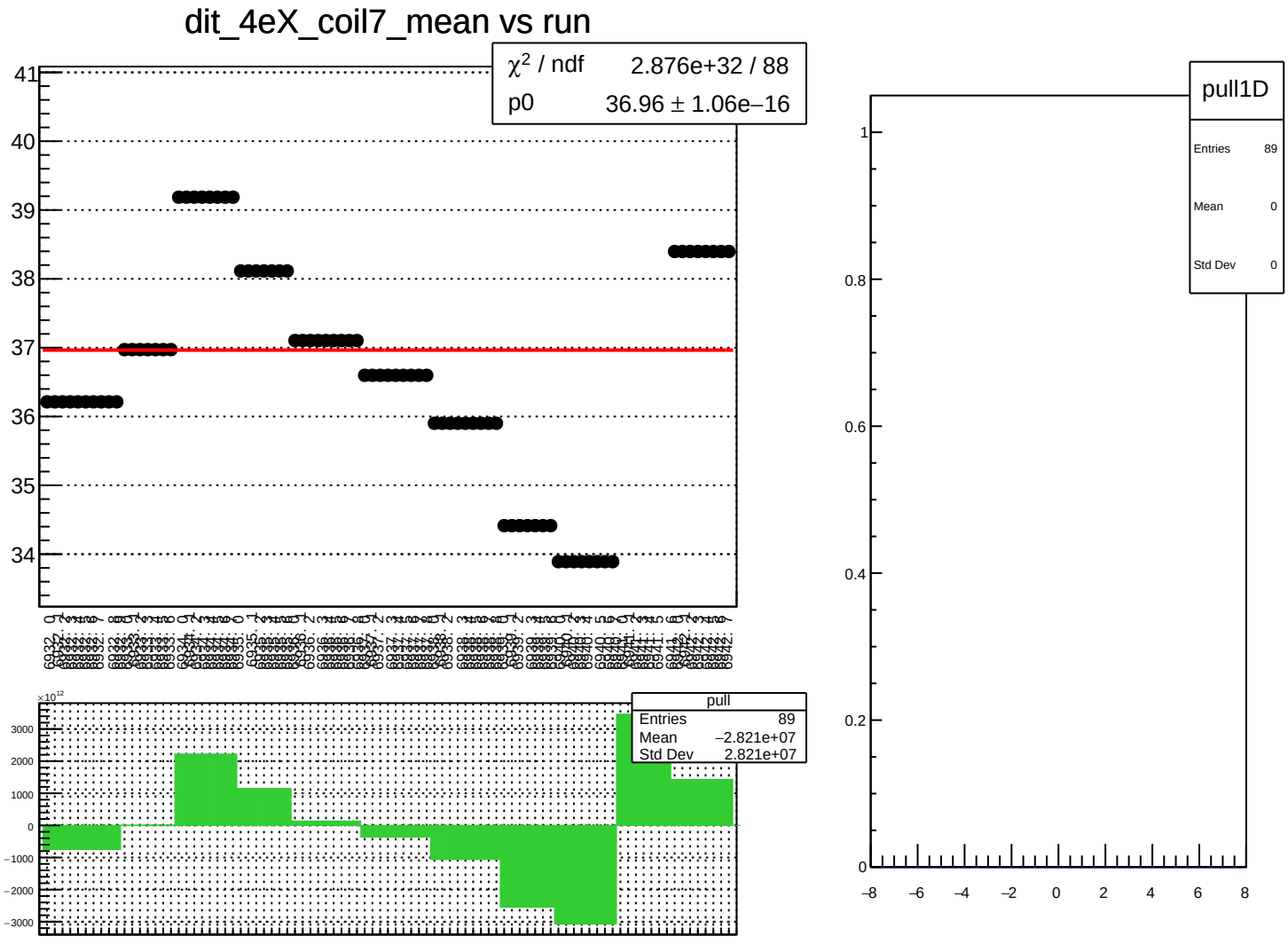

pull1D
Entries 89
Mean 0
Std Dev 0

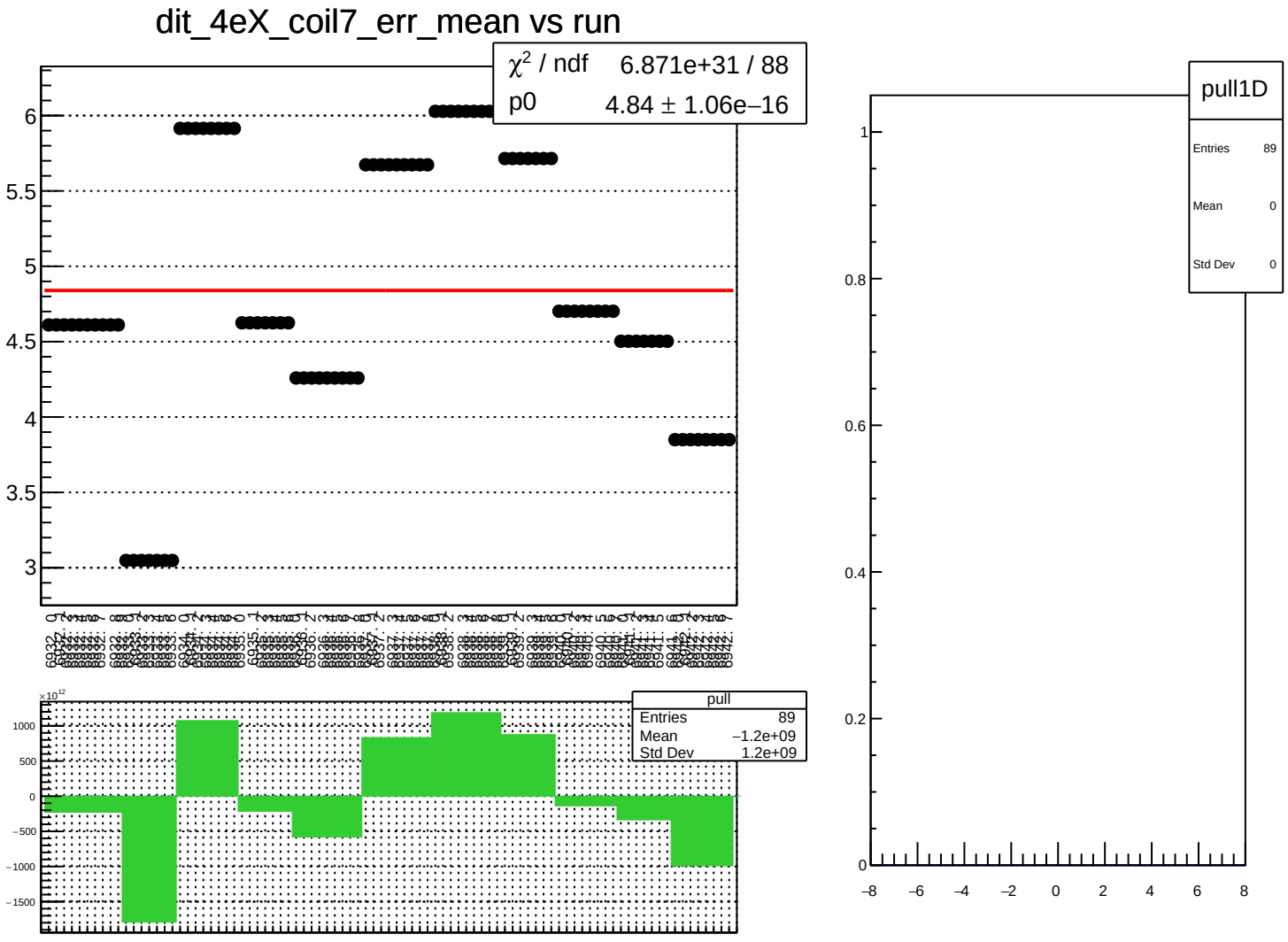

dit_sam8_coil3_Ndata_mean vs run
χ^2 / ndf 1.553e+37 / 88
p0 1436 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 89
Mean 1.654e+08
Std Dev 1.654e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil7_mean vs run
χ² / ndf 2.907e+32 / 88
p0 38.89 ± 1.06e−16
43
42
41
40
39
38
37
36
pull
Entries 89
Mean 6.532e+07
Std Dev 6.532e+07
×10¹²
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

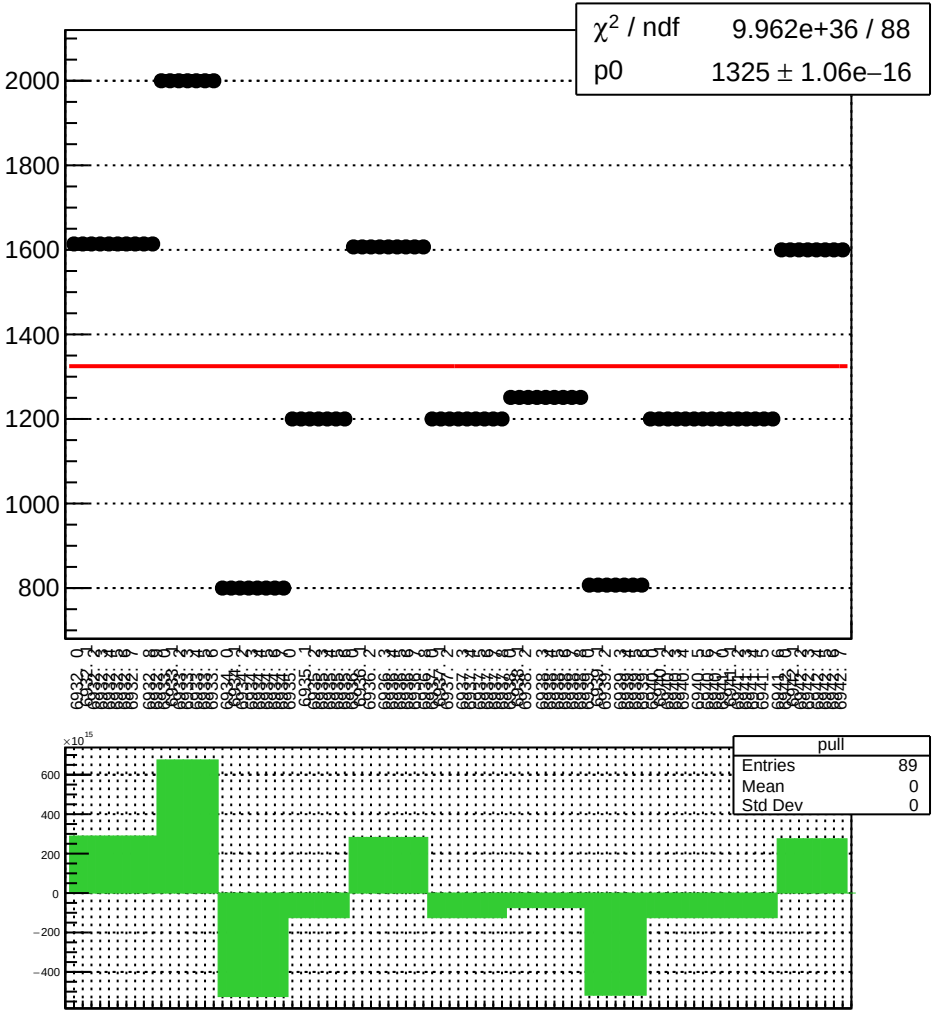

dit_4aX_coil7_err_mean vs run
χ² / ndf 7.339e+31 / 88
p0 5.115 ± 1.06e−16
pull
Entries 89
Mean 1.707e+08
Std Dev 1.707e+08
pull1D
Entries 89
Mean 0
Std Dev 0

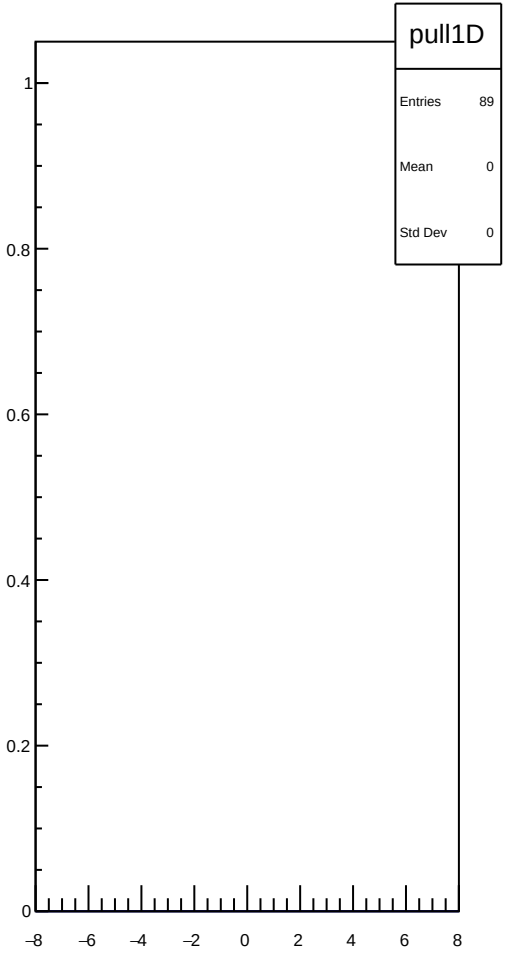

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

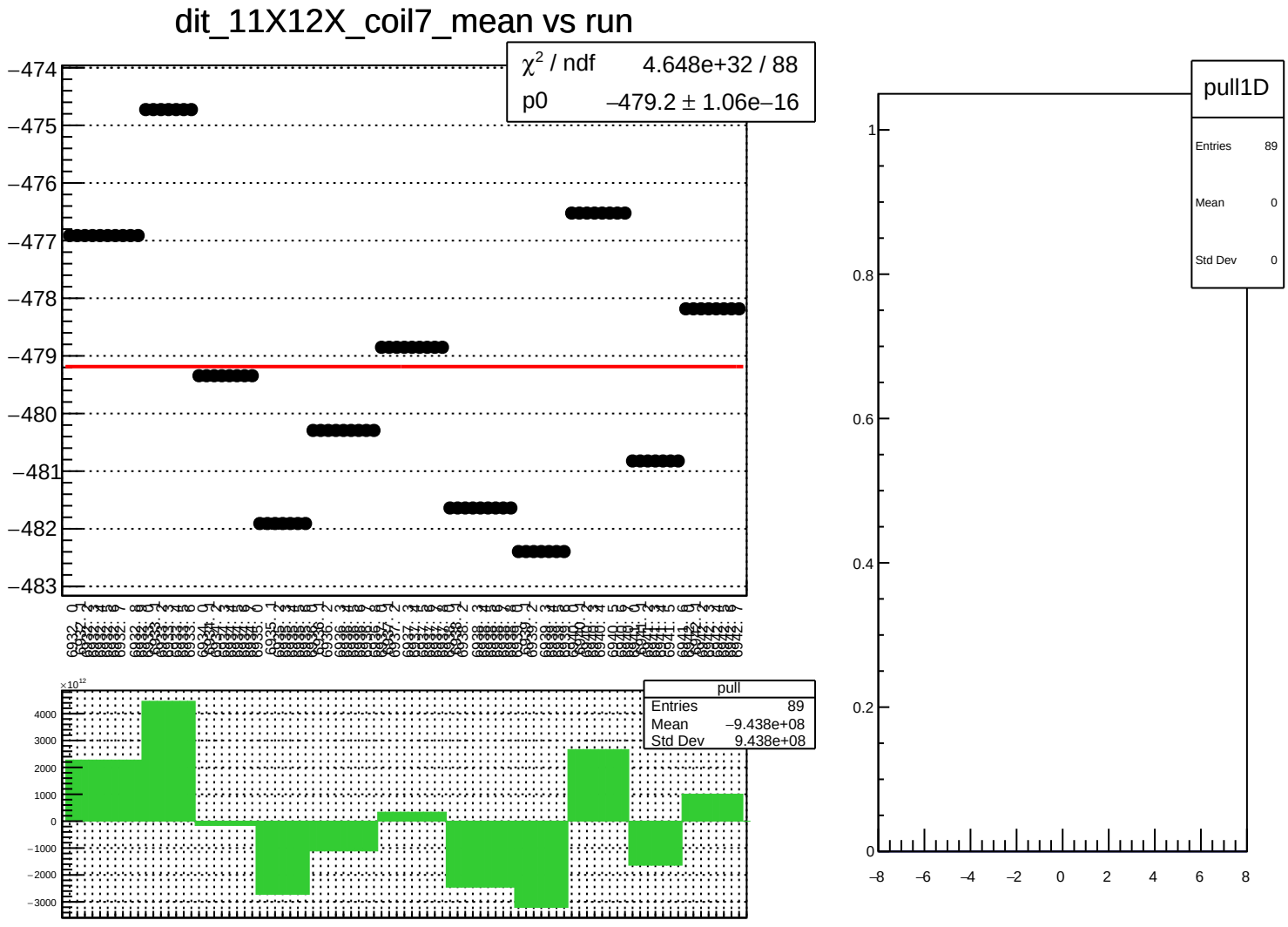

dit_4eX_coil7_mean vs run
χ^2 / ndf 2.876e+32 / 88
p0 36.96 ± 1.06e−16
41
40
39
38
37
36
35
34
pull
Entries 89
Mean −2.821e+07
Std Dev 2.821e+07
×10^12
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

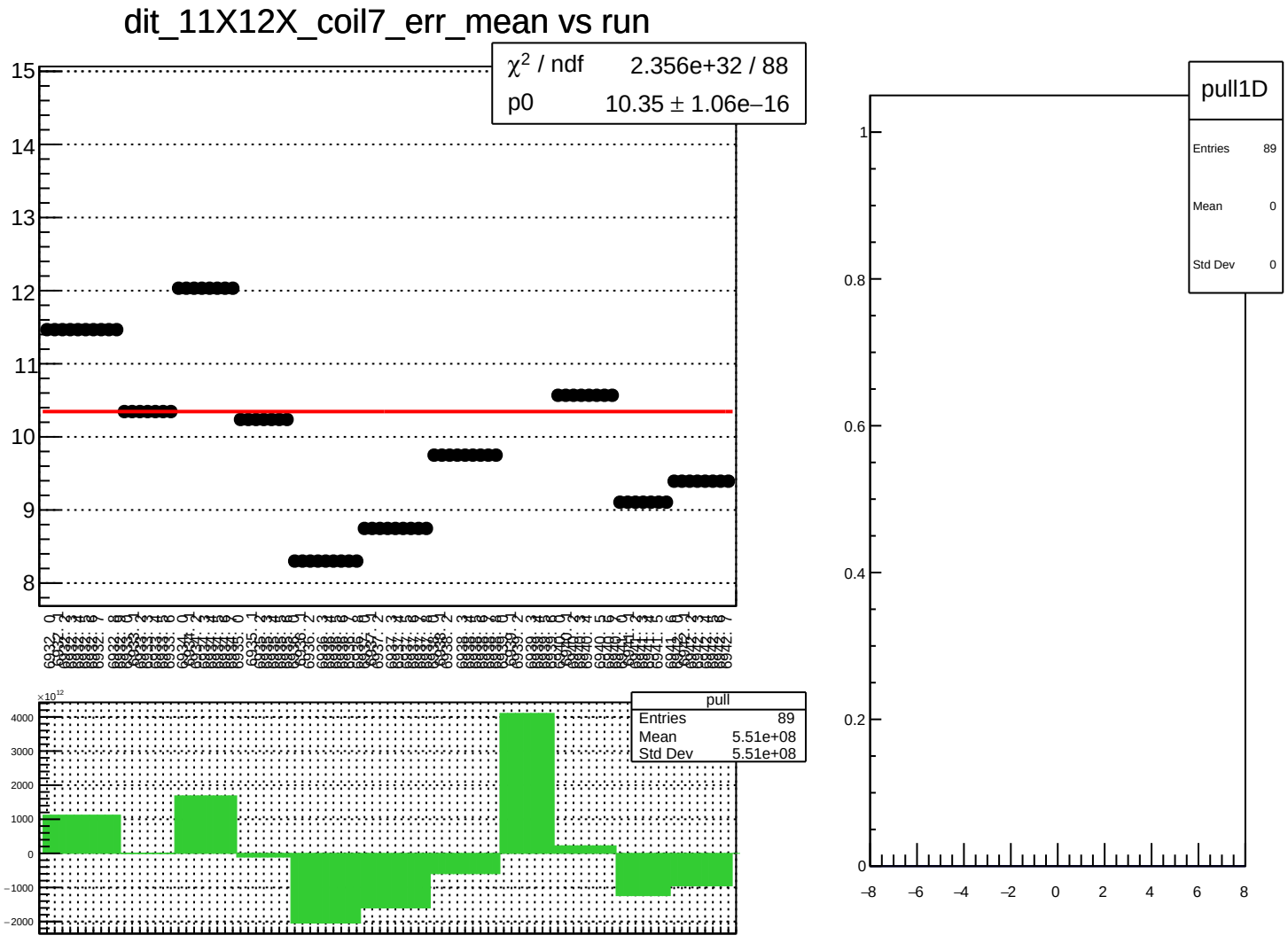

dit_4eX_coil7_err_mean vs run
χ² / ndf 6.871e+31 / 88
p0 4.84 ± 1.06e−16
pull
Entries 89
Mean −1.2e+09
Std Dev 1.2e+09
pull1D
Entries 89
Mean 0
Std Dev 0

dit_4eX_coil7_Ndata_mean vs run

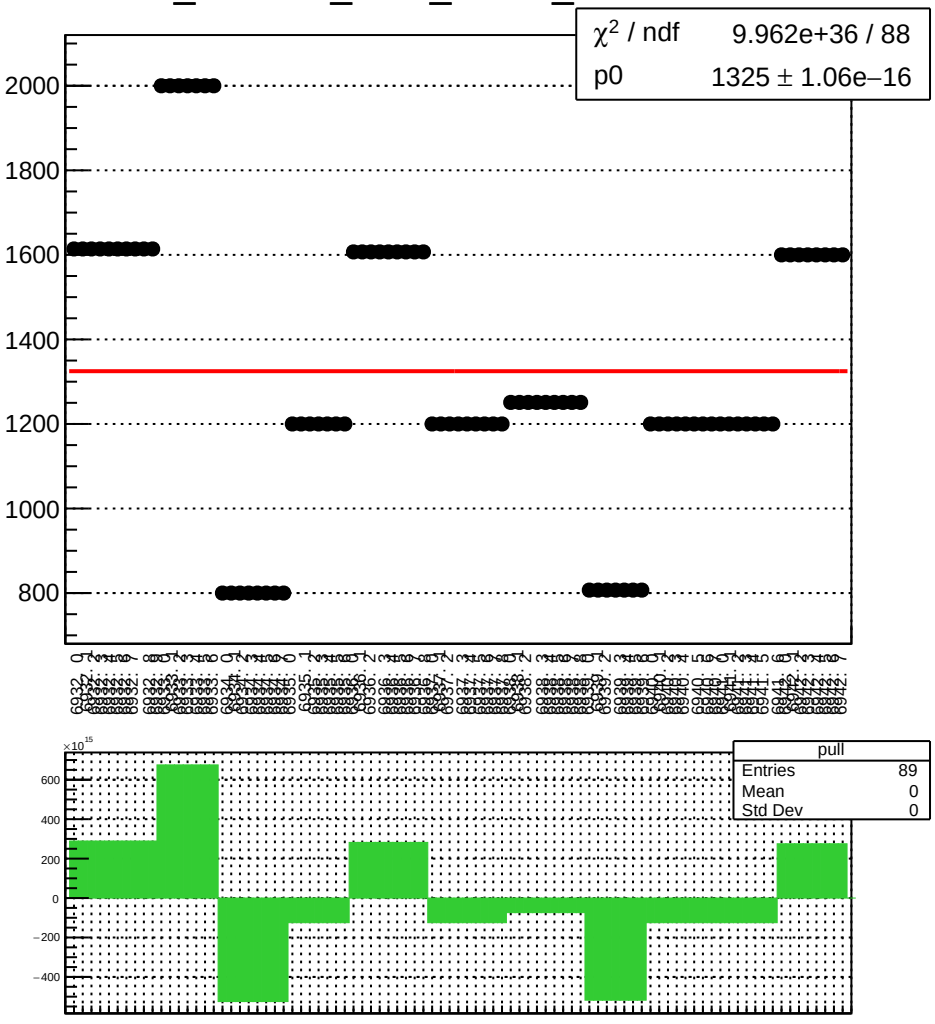


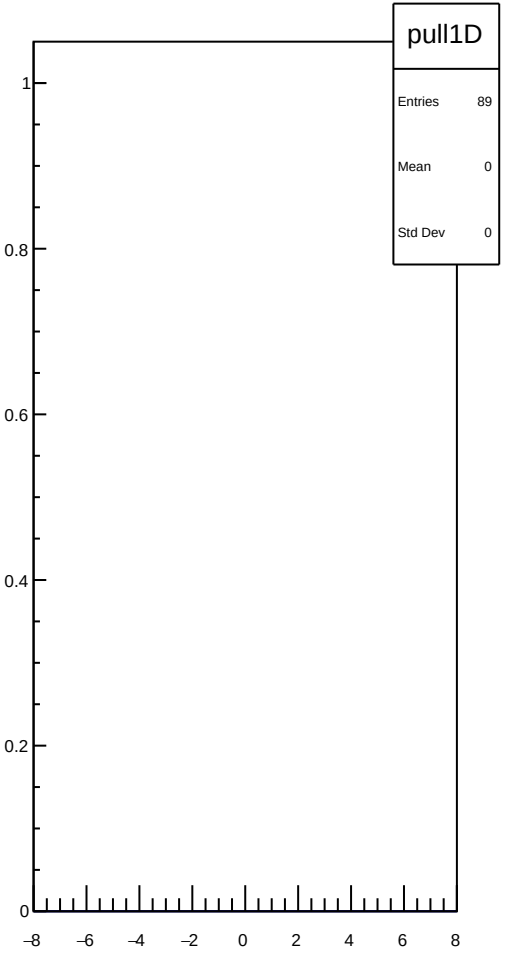


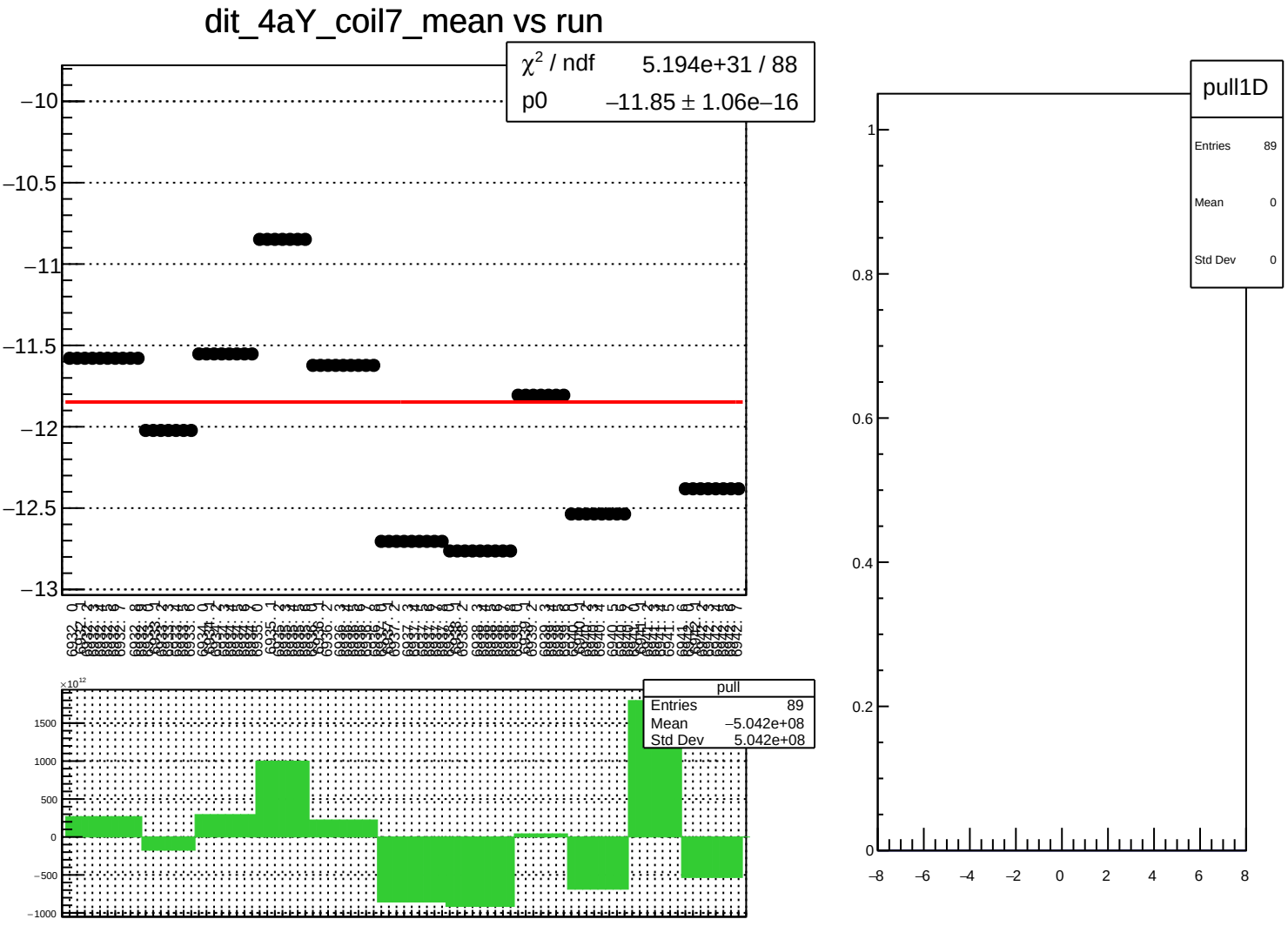

dit_11X12X_coil7_mean vs run
χ² / ndf 4.648e+32 / 88
p0 –479.2 ± 1.06e–16
pull
Entries 89
Mean –9.438e+08
Std Dev 9.438e+08
pull1D
Entries 89
Mean 0
Std Dev 0

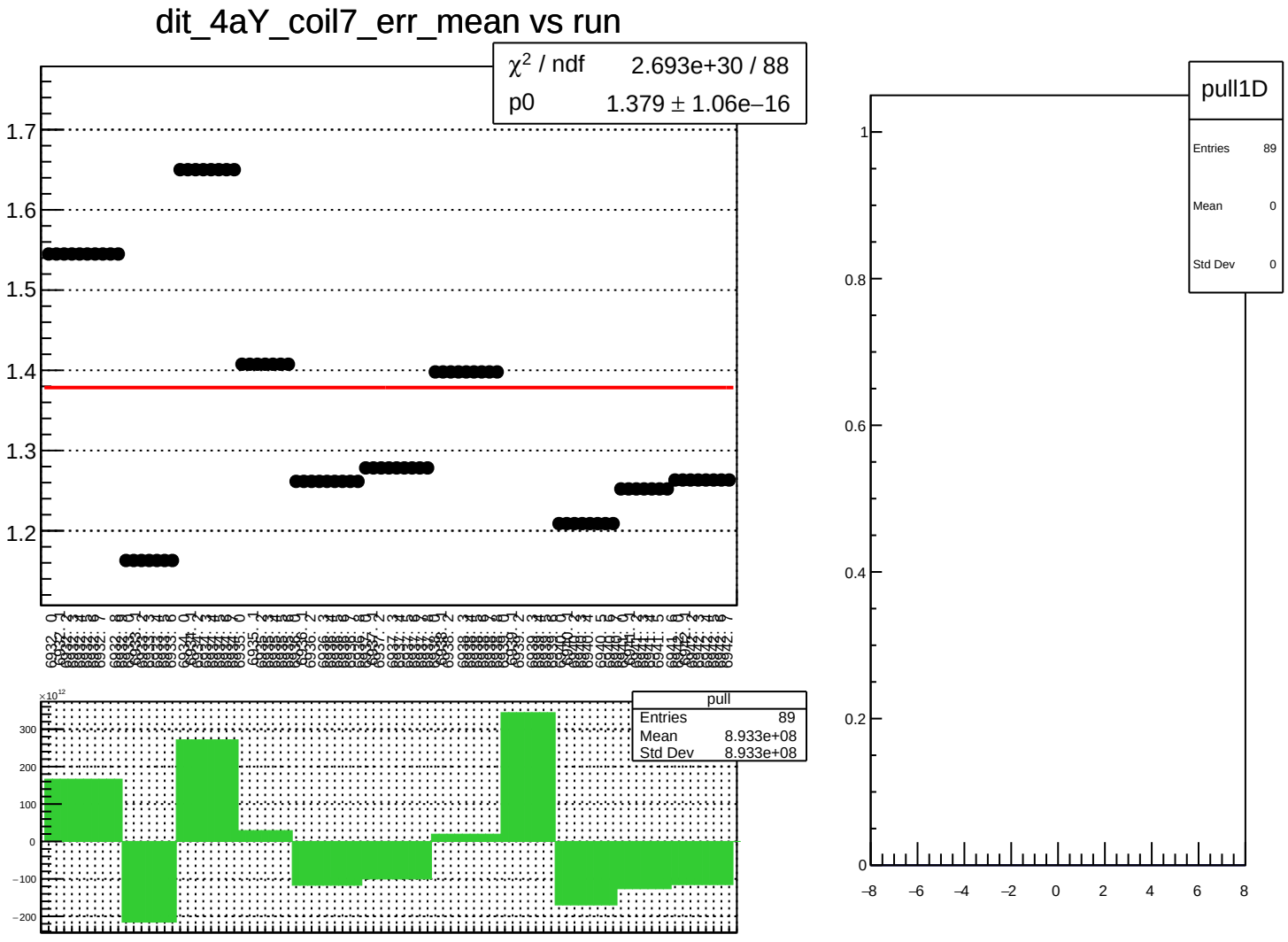

dit_11X12X_coil7_err_mean vs run
χ² / ndf 2.356e+32 / 88
p0 10.35 ± 1.06e−16
pull
Entries 89
Mean 5.51e+08
Std Dev 5.51e+08
pull1D
Entries 89
Mean 0
Std Dev 0

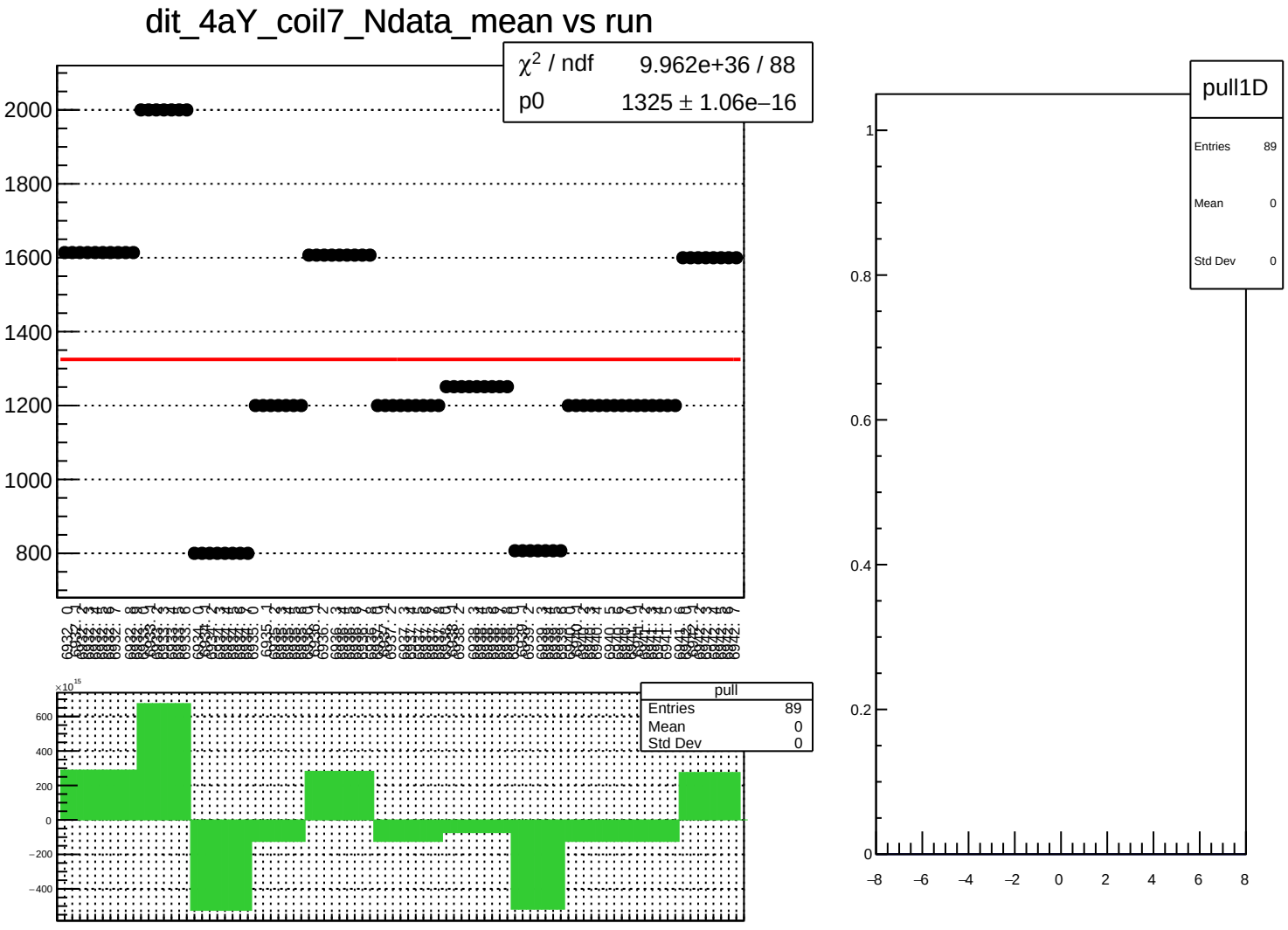
dit_11X12X_coil7_Ndata_mean vs run



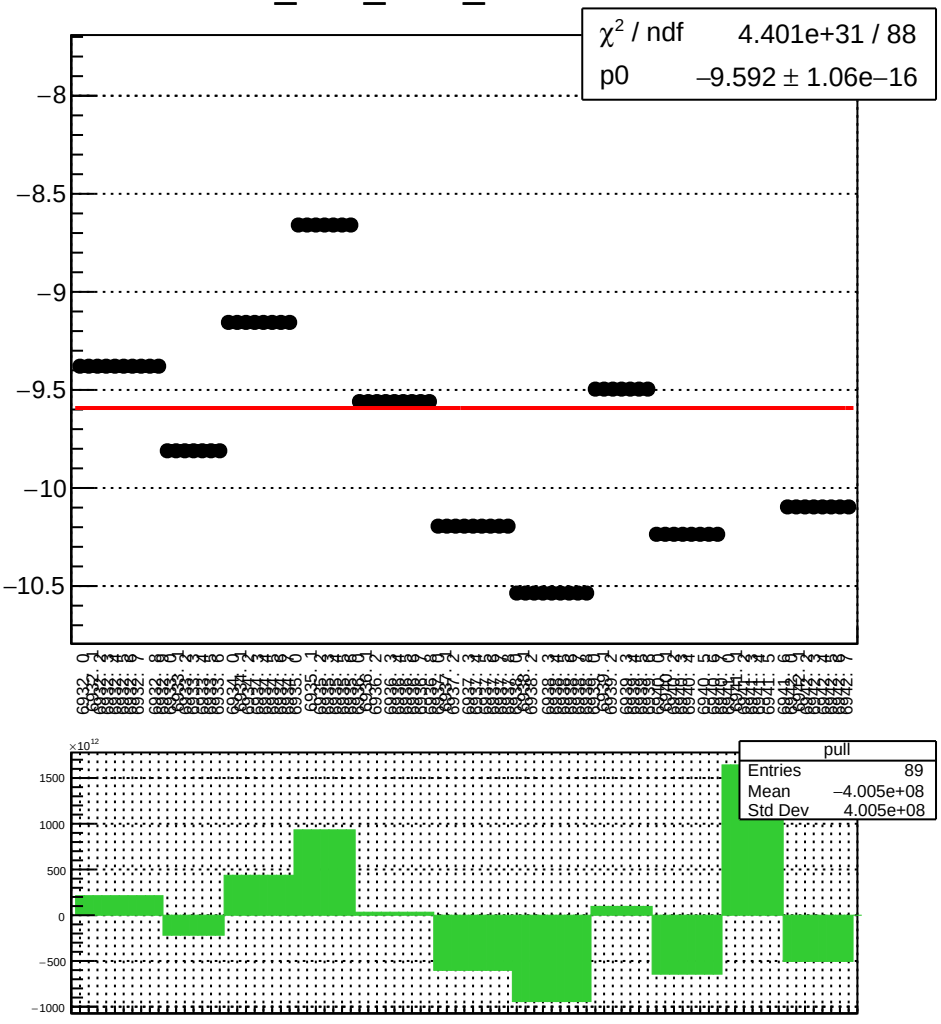


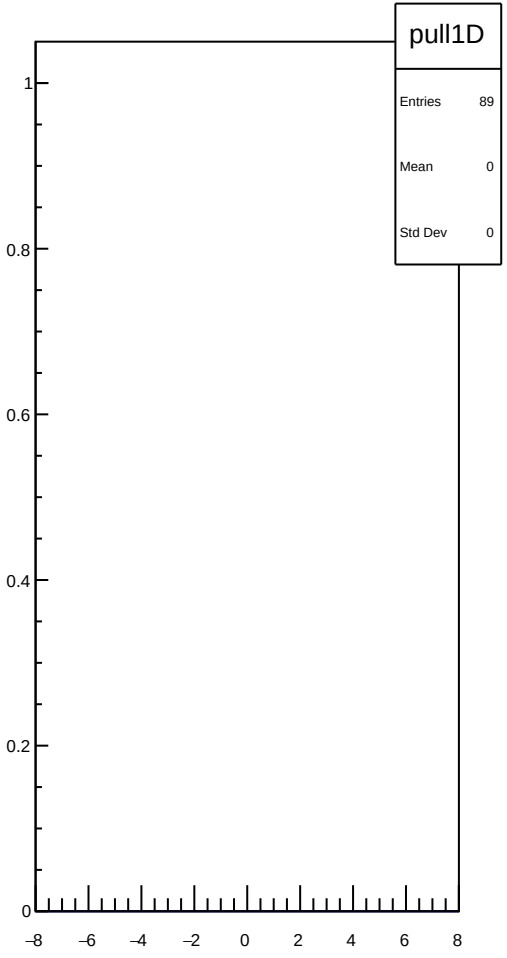

dit_4aY_coil7_mean vs run
χ^2 / ndf 5.194e+31 / 88
p0 –11.85 ± 1.06e–16
–10
–10.5
–11
–11.5
–12
–12.5
–13
pull
Entries 89
Mean –5.042e+08
Std Dev 5.042e+08
×10^12
1500
1000
500
0
–500
–1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_4aY_coil7_err_mean vs run
χ2 / ndf 2.693e+30 / 88
p0 1.379 ± 1.06e−16
1.7
1.6
1.5
1.4
1.3
1.2
pull
Entries 89
Mean 8.933e+08
Std Dev 8.933e+08
×10^12
300
200
100
0
−100
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

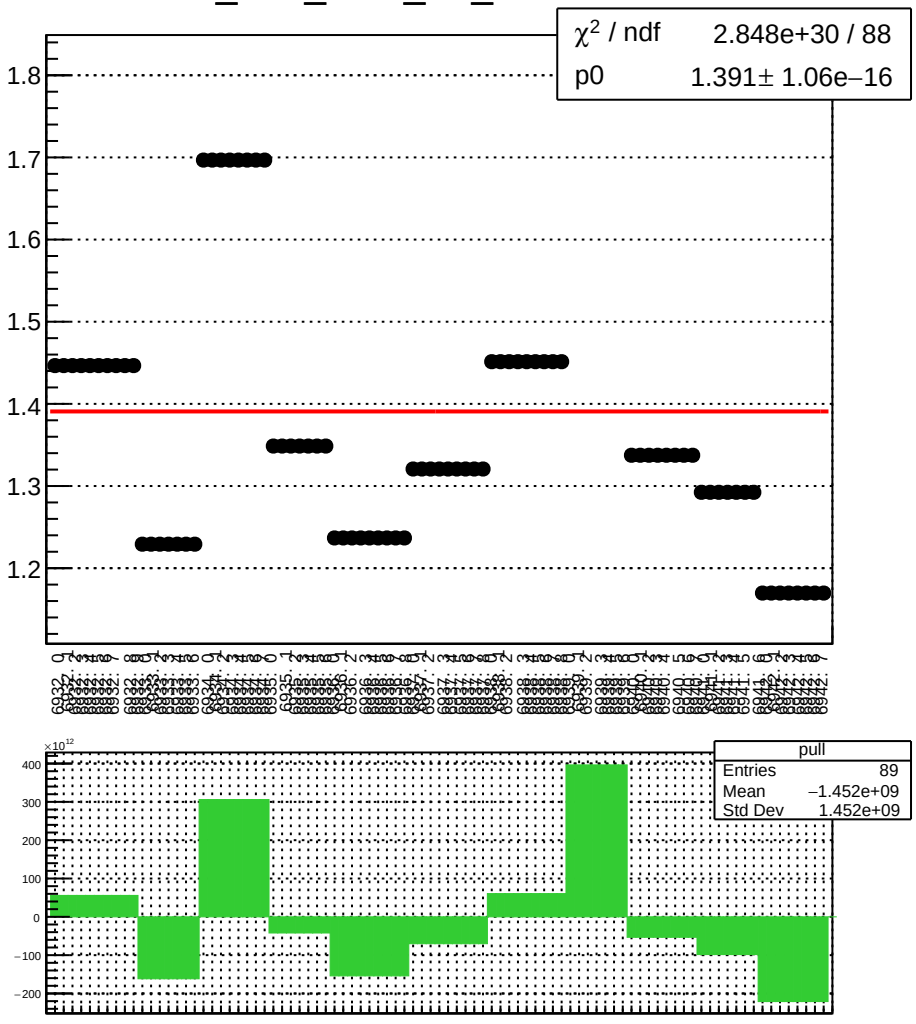

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

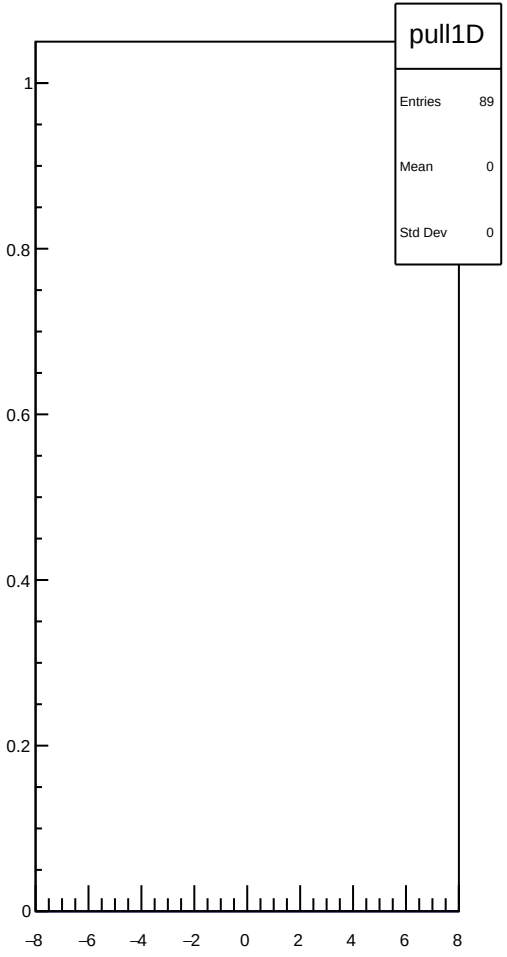
dit_4eY_coil7_mean vs run

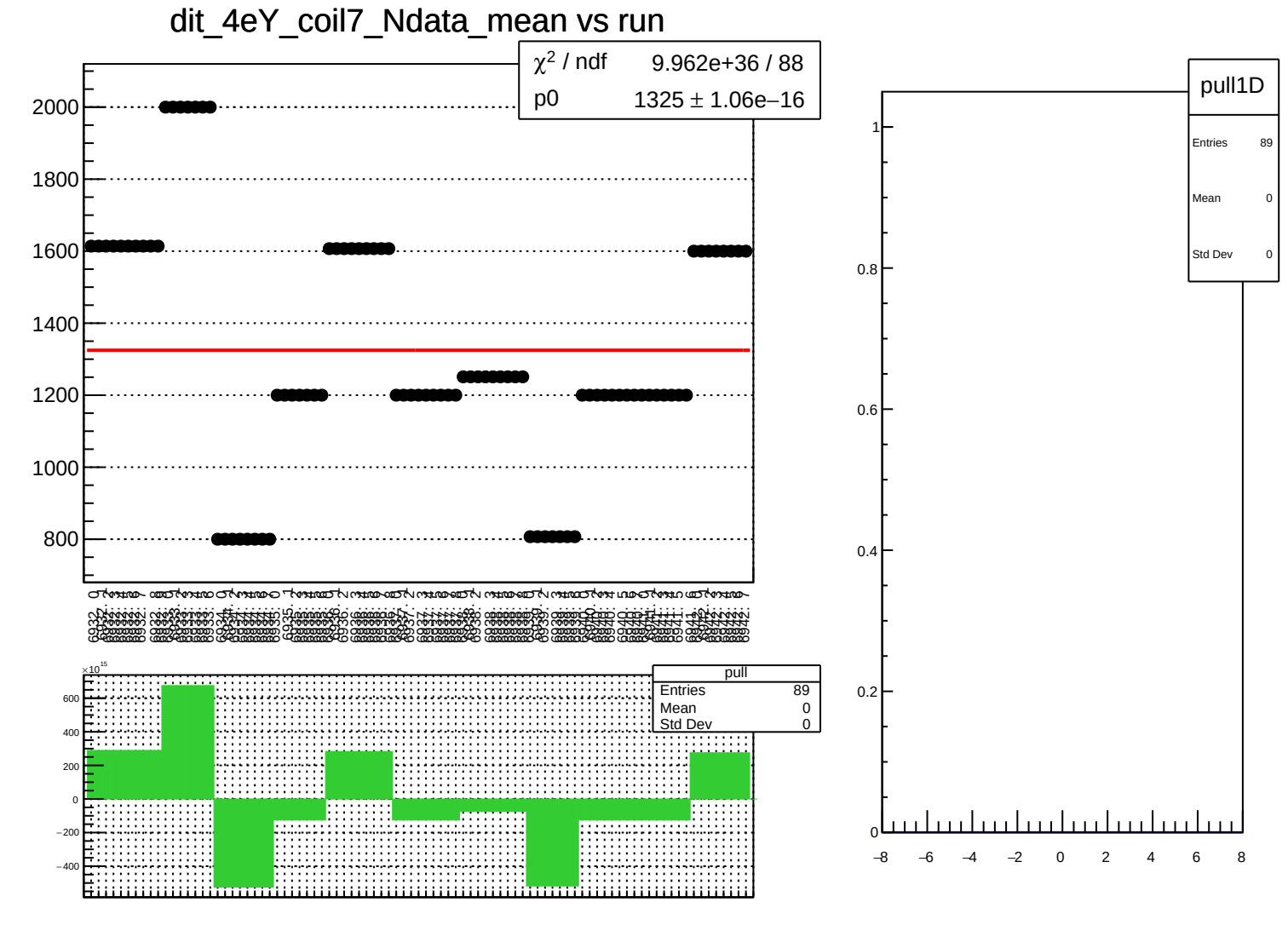


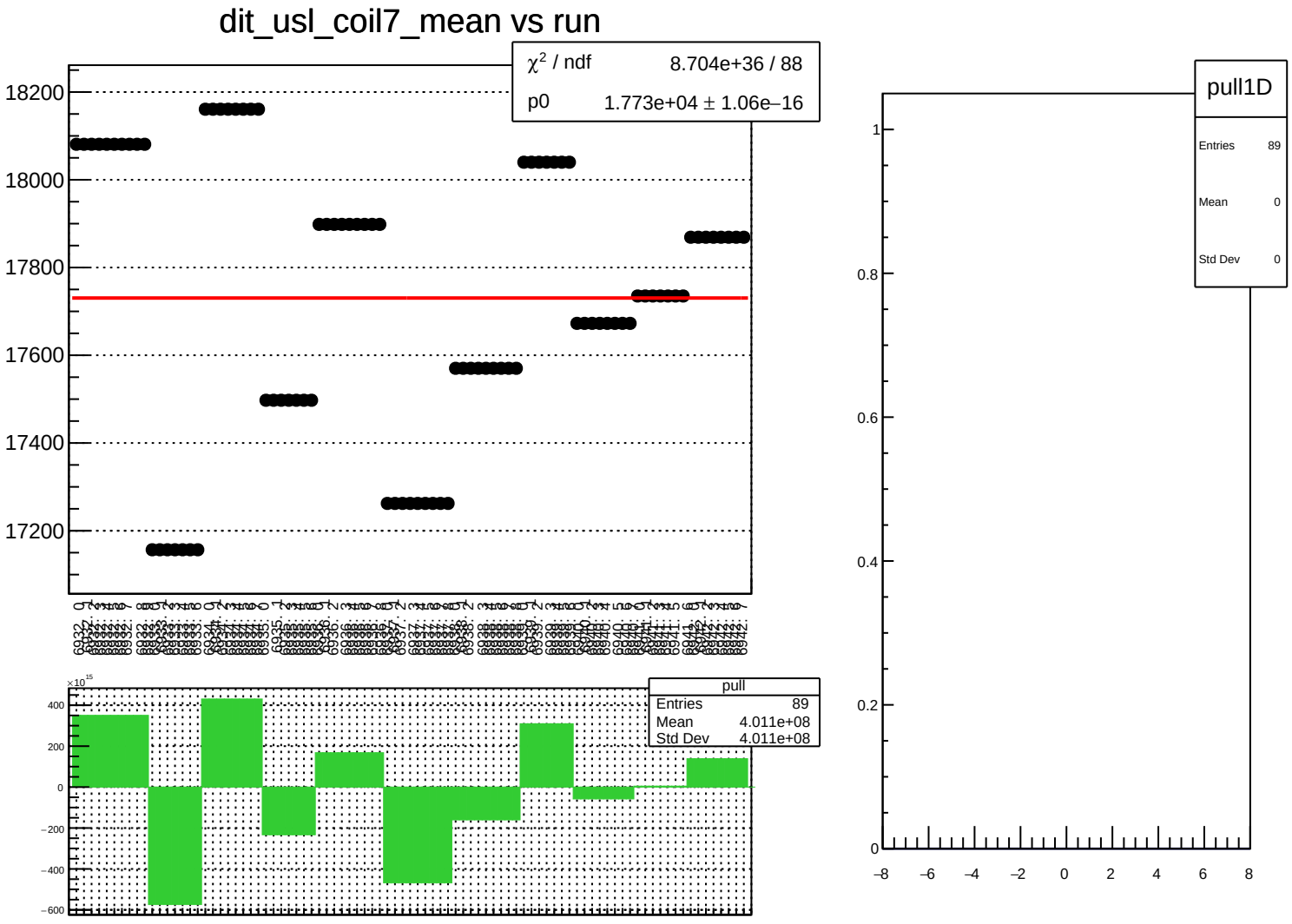


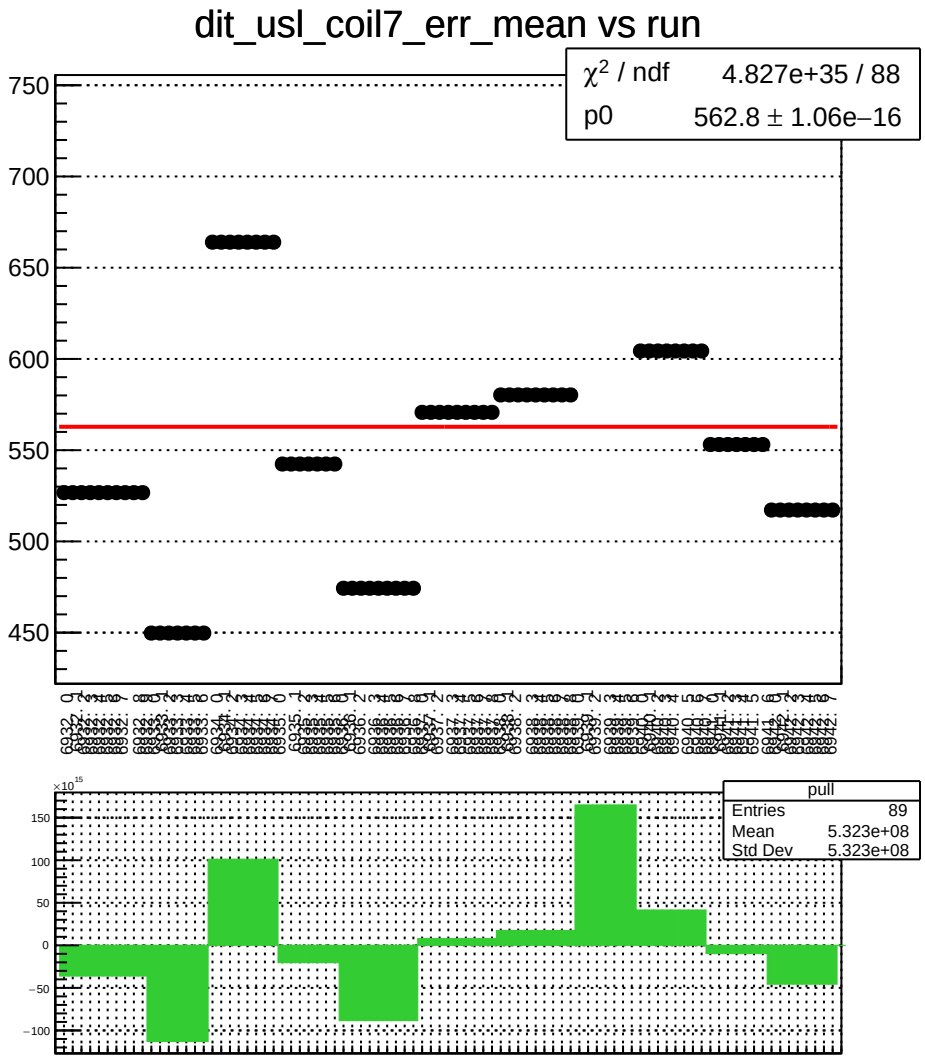
dit_4eY_coil7_err_mean vs run

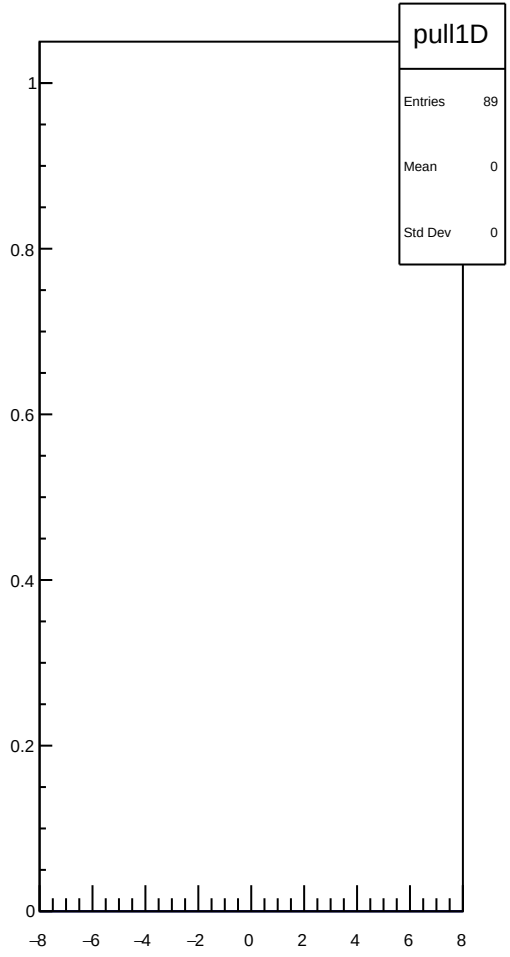


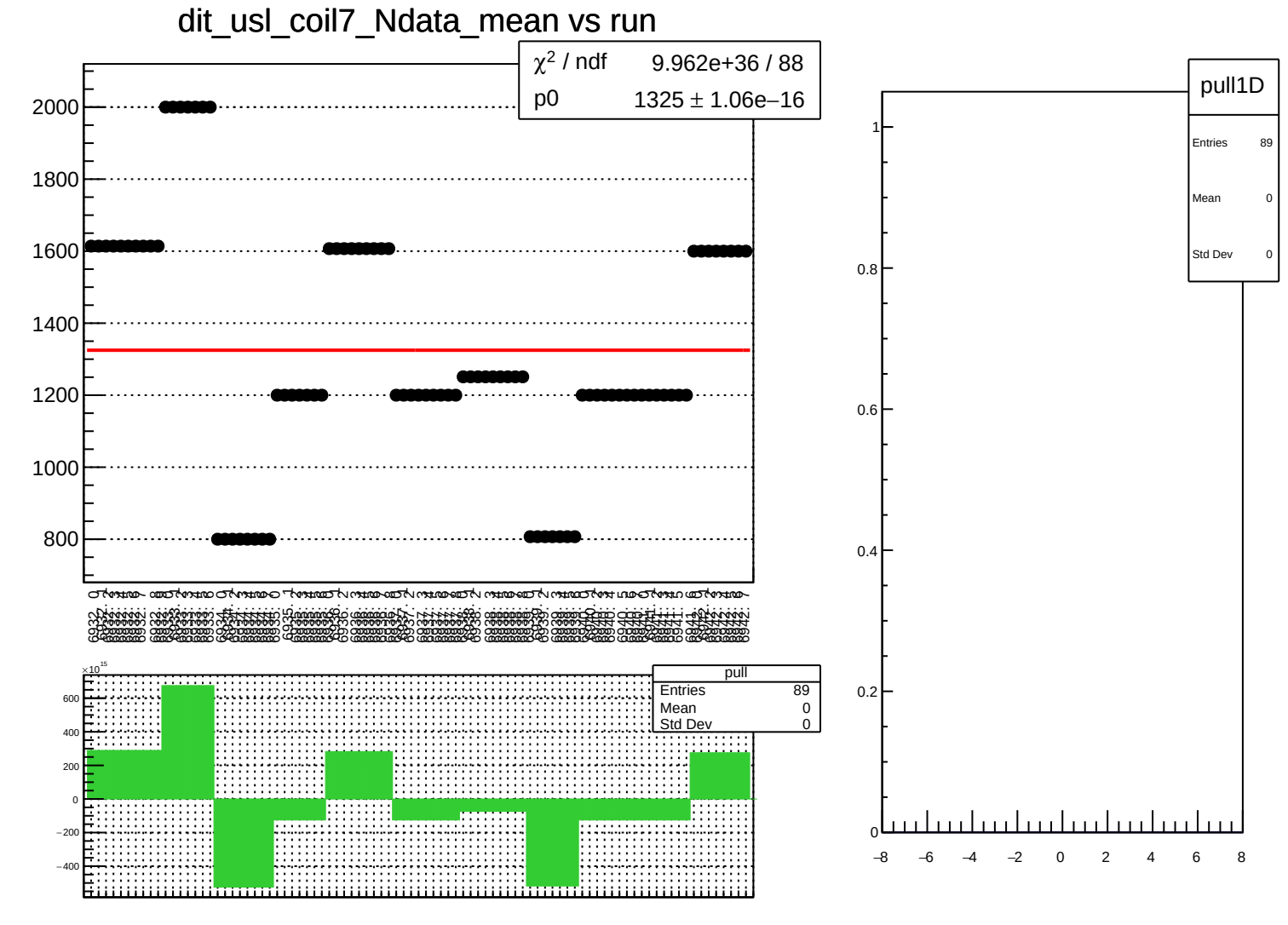


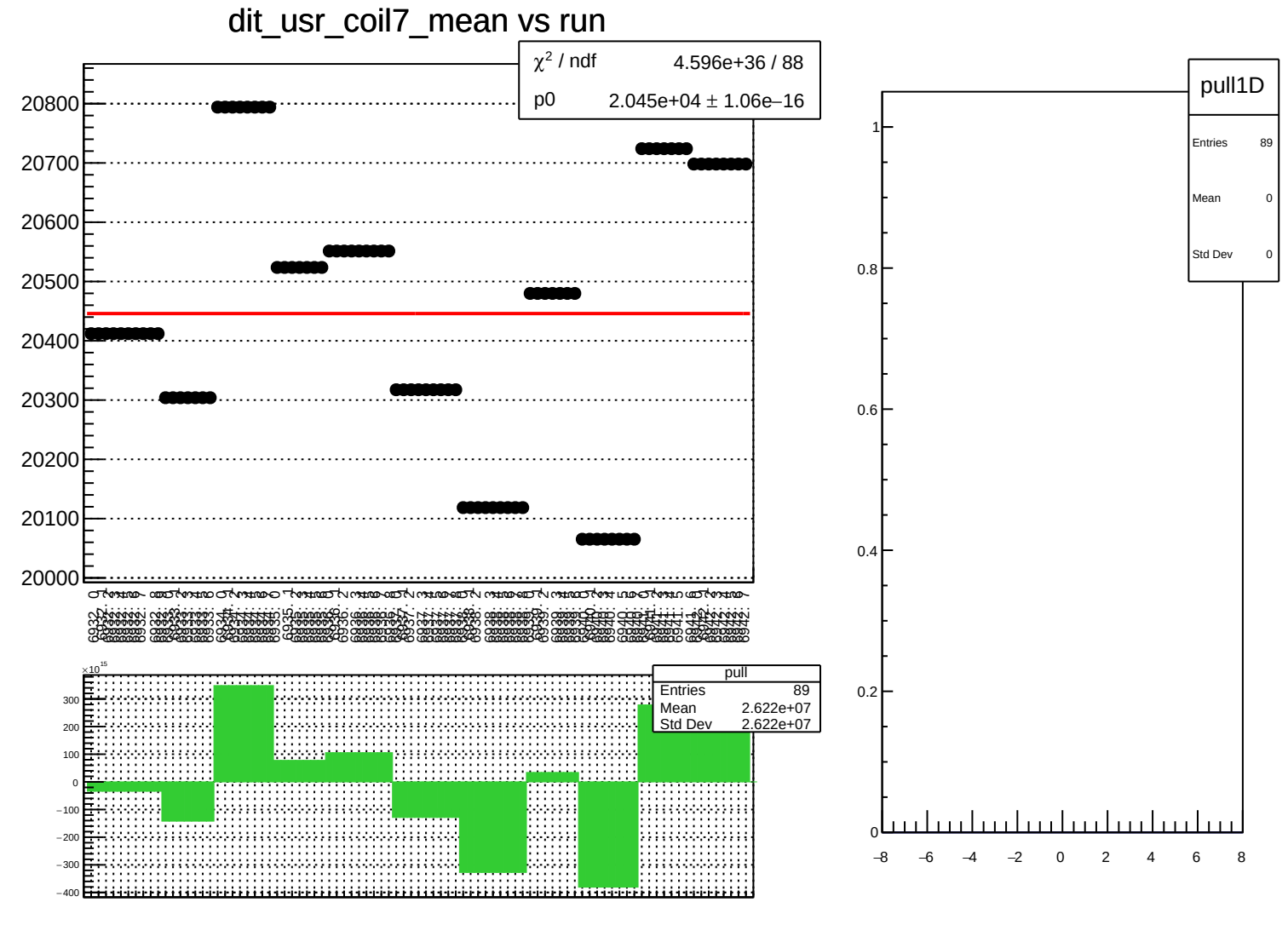

dit_4eY_coil7_Ndata_mean vs run
χ^2 / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

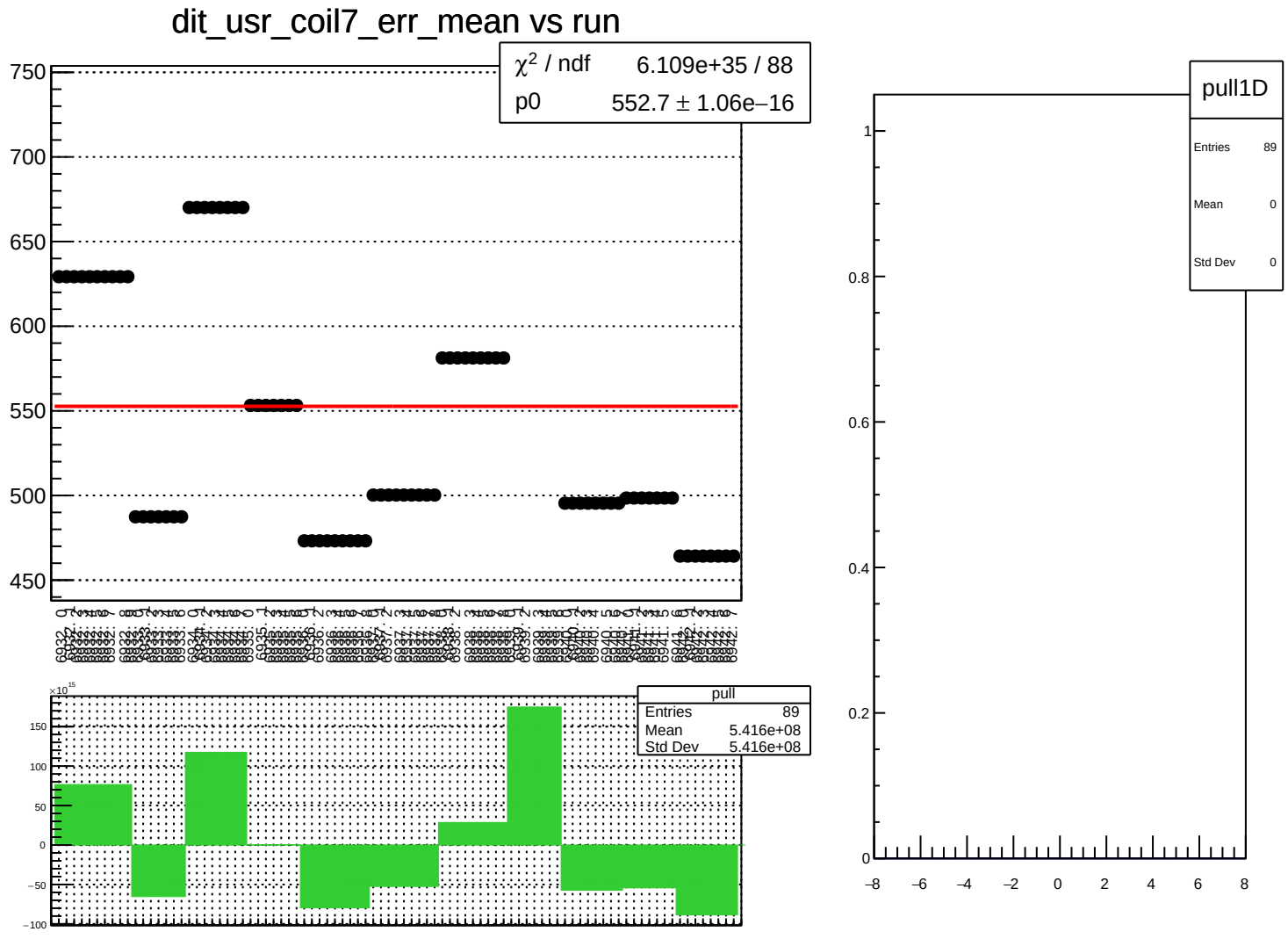

dit_usl_coil7_mean vs run
χ² / ndf 8.704e+36 / 88
p0 1.773e+04 ± 1.06e−16
18200
18000
17800
17600
17400
17200
pull
Entries 89
Mean 4.011e+08
Std Dev 4.011e+08
×10^15
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

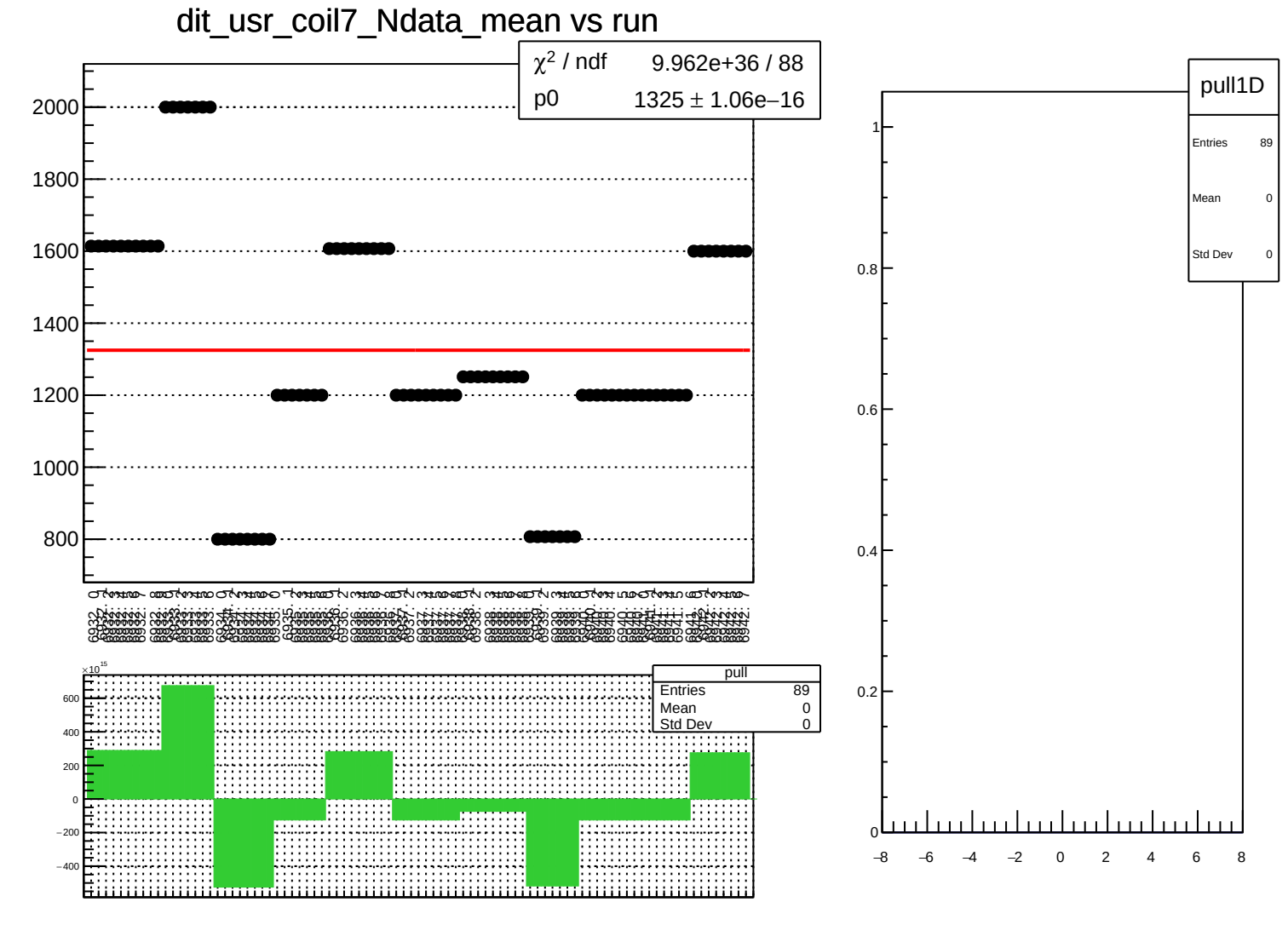

dit_usl_coil7_err_mean vs run
χ² / ndf 4.827e+35 / 88
p0 562.8 ± 1.06e−16
750
700
650
600
550
500
450
pull
Entries 89
Mean 5.323e+08
Std Dev 5.323e+08
×10¹⁵
150
100
50
0
−50
−100

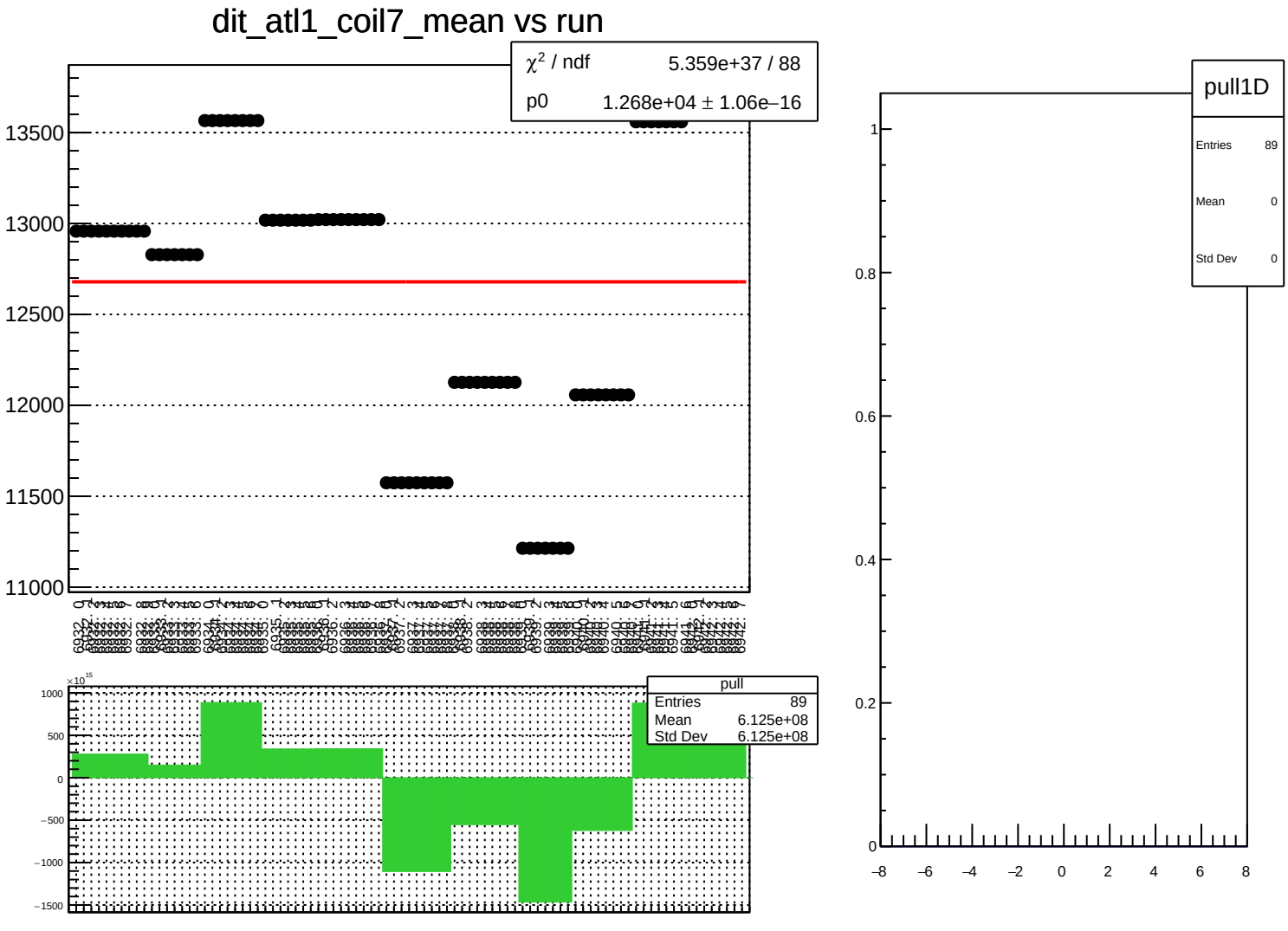

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

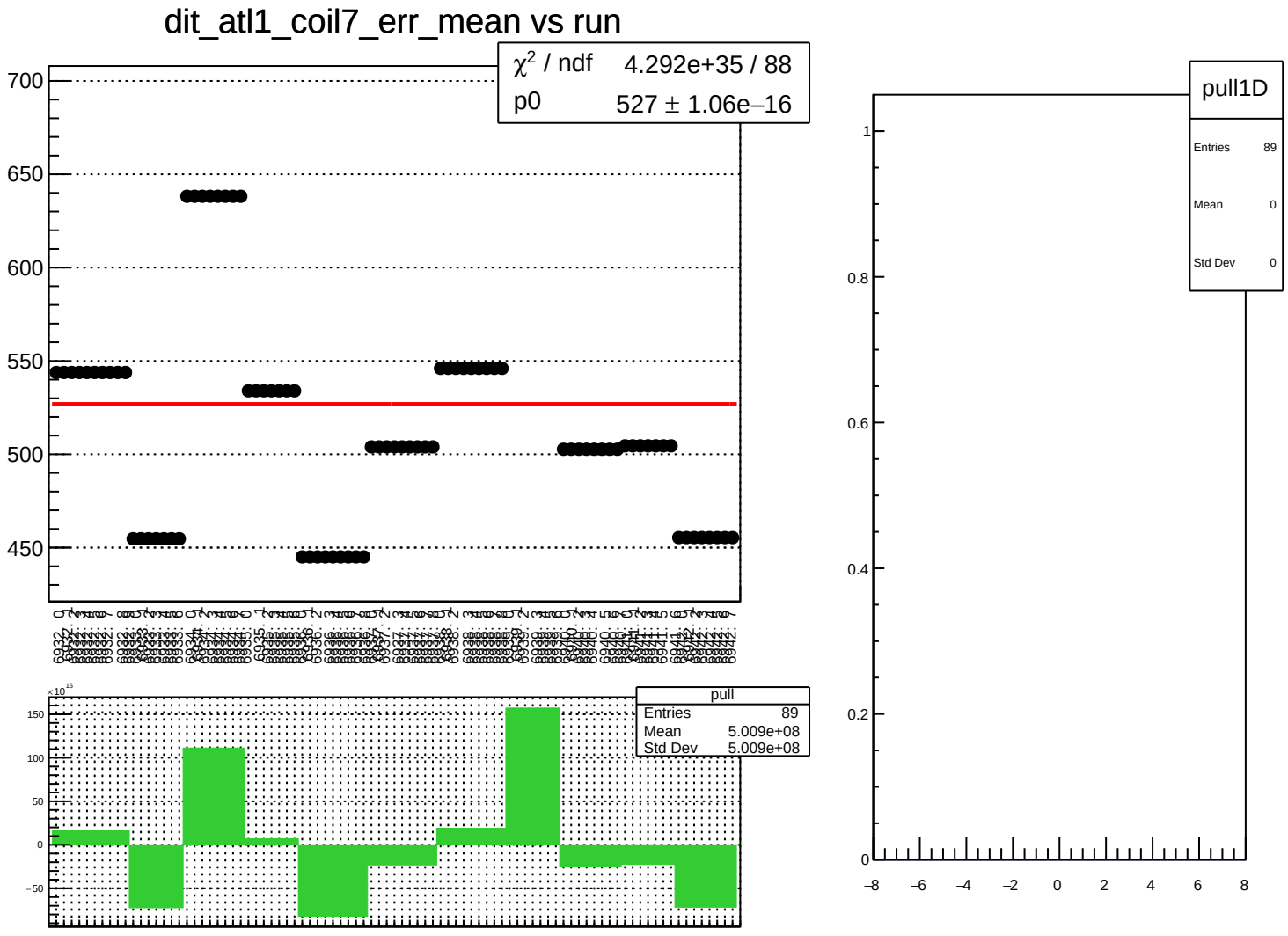

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
600
400
200
0
−200
−400
pull
Entries 89
Mean 0
Std Dev 0
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

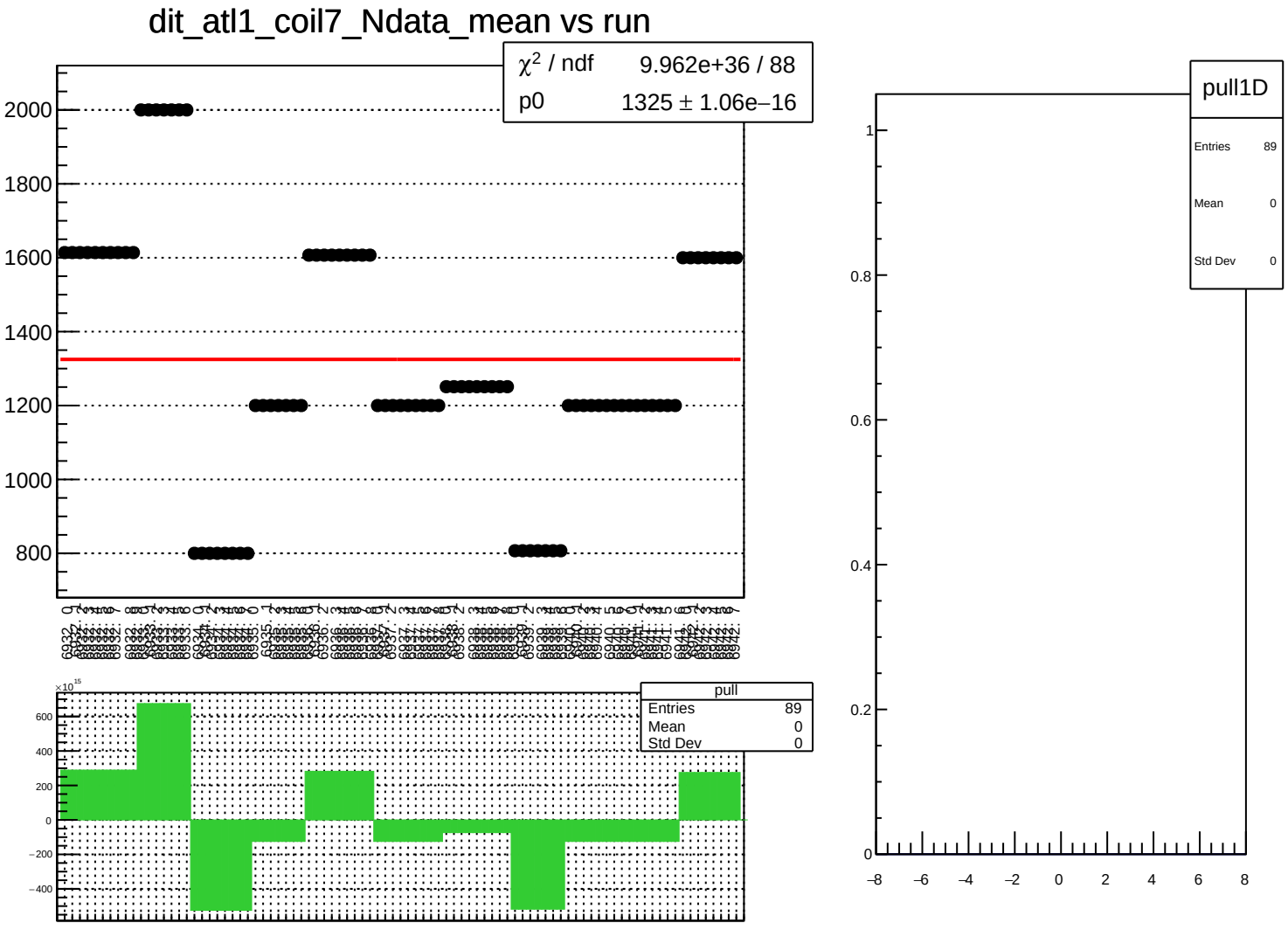

dit_usr_coil7_mean vs run
χ² / ndf 4.596e+36 / 88
p0 2.045e+04 ± 1.06e−16
20800
20700
20600
20500
20400
20300
20200
20100
20000
pull
Entries 89
Mean 2.622e+07
Std Dev 2.622e+07
×10¹⁵
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

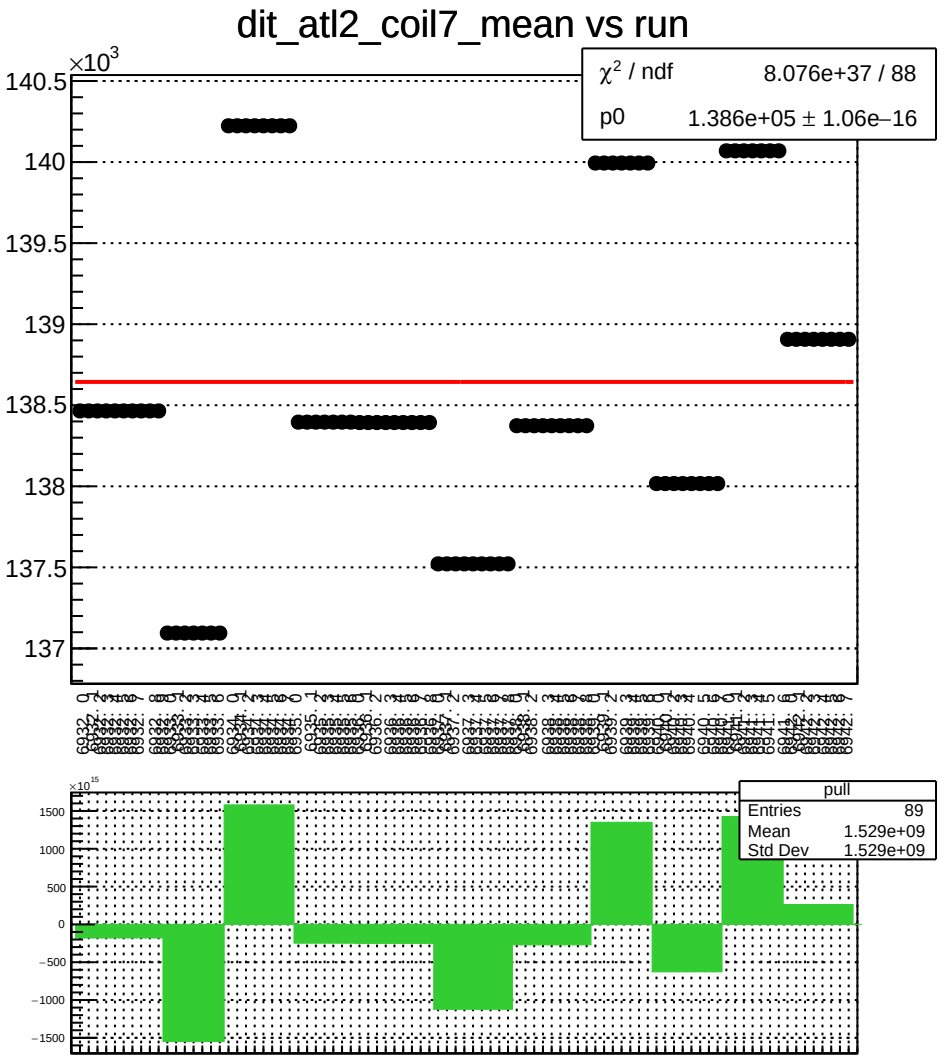

dit_usr_coil7_err_mean vs run
χ² / ndf 6.109e+35 / 88
p0 552.7 ± 1.06e−16
750
700
650
600
550
500
450
pull
Entries 89
Mean 5.416e+08
Std Dev 5.416e+08
×10¹⁵
150
100
50
0
−50
−100
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

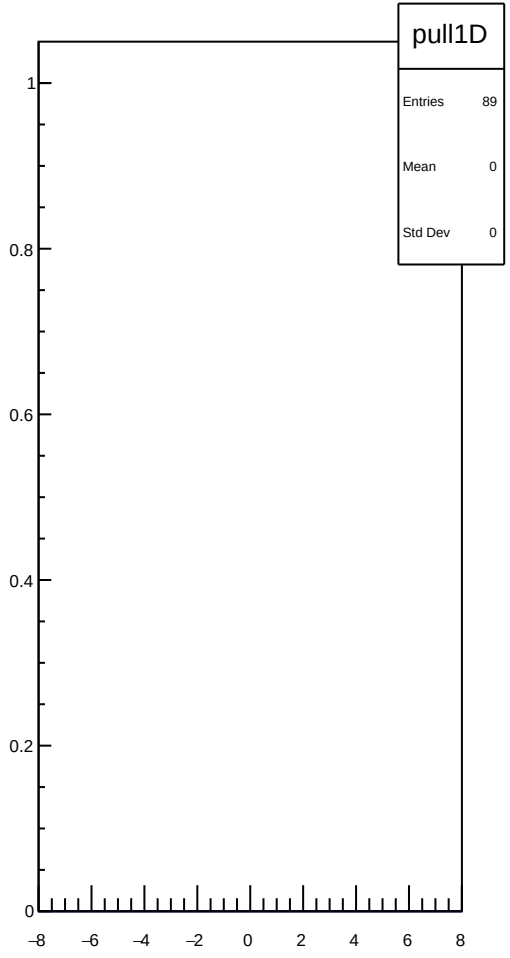

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

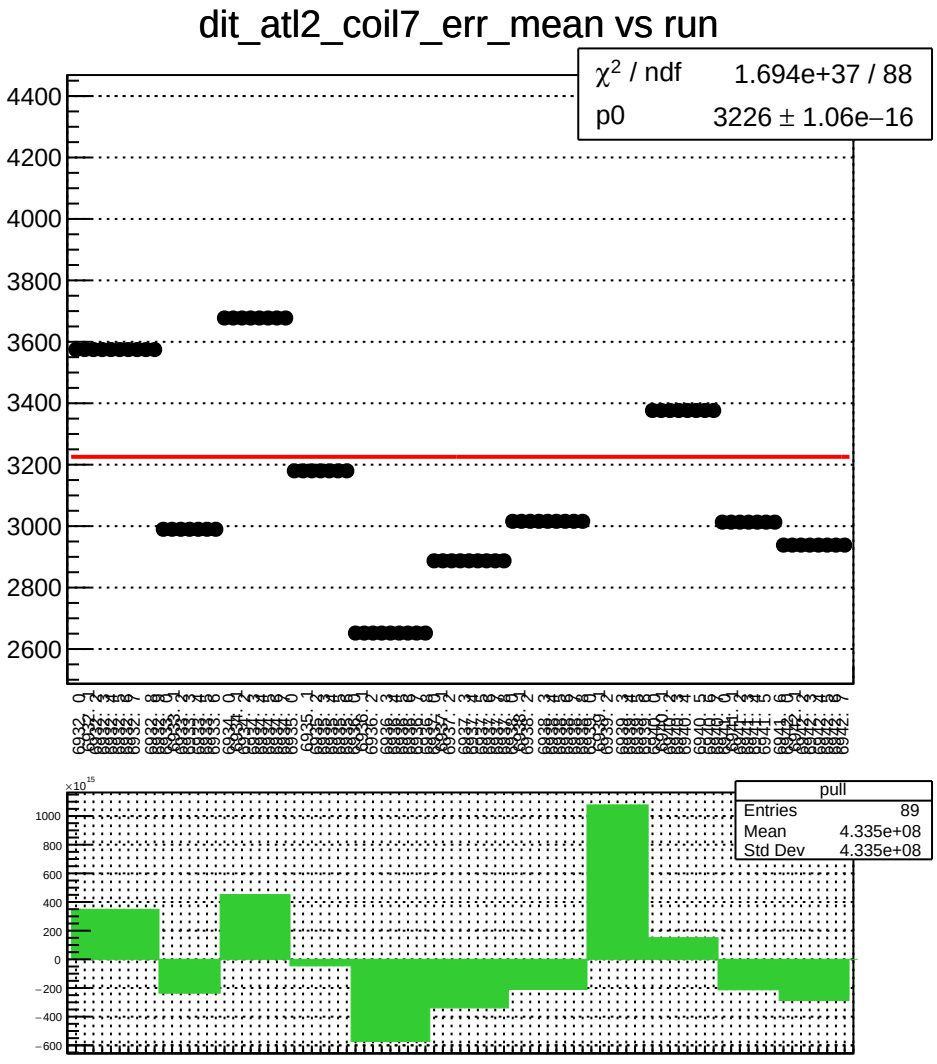

dit_atl1_coil7_mean vs run
χ² / ndf 5.359e+37 / 88
p0 1.268e+04 ± 1.06e−16
13500
13000
12500
12000
11500
11000
pull
Entries 89
Mean 6.125e+08
Std Dev 6.125e+08
×10¹⁵
1000
500
0
−500
−1000
−1500
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

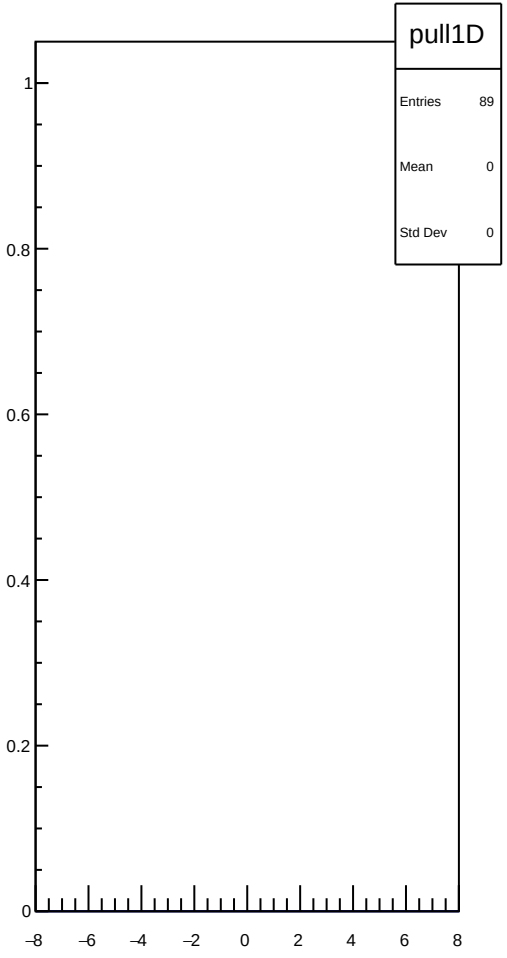

dit_atl1_coil7_err_mean vs run
χ² / ndf 4.292e+35 / 88
p0 527 ± 1.06e−16
700
650
600
550
500
450
pull
Entries 89
Mean 5.009e+08
Std Dev 5.009e+08
×10¹⁵
150
100
50
0
−50
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

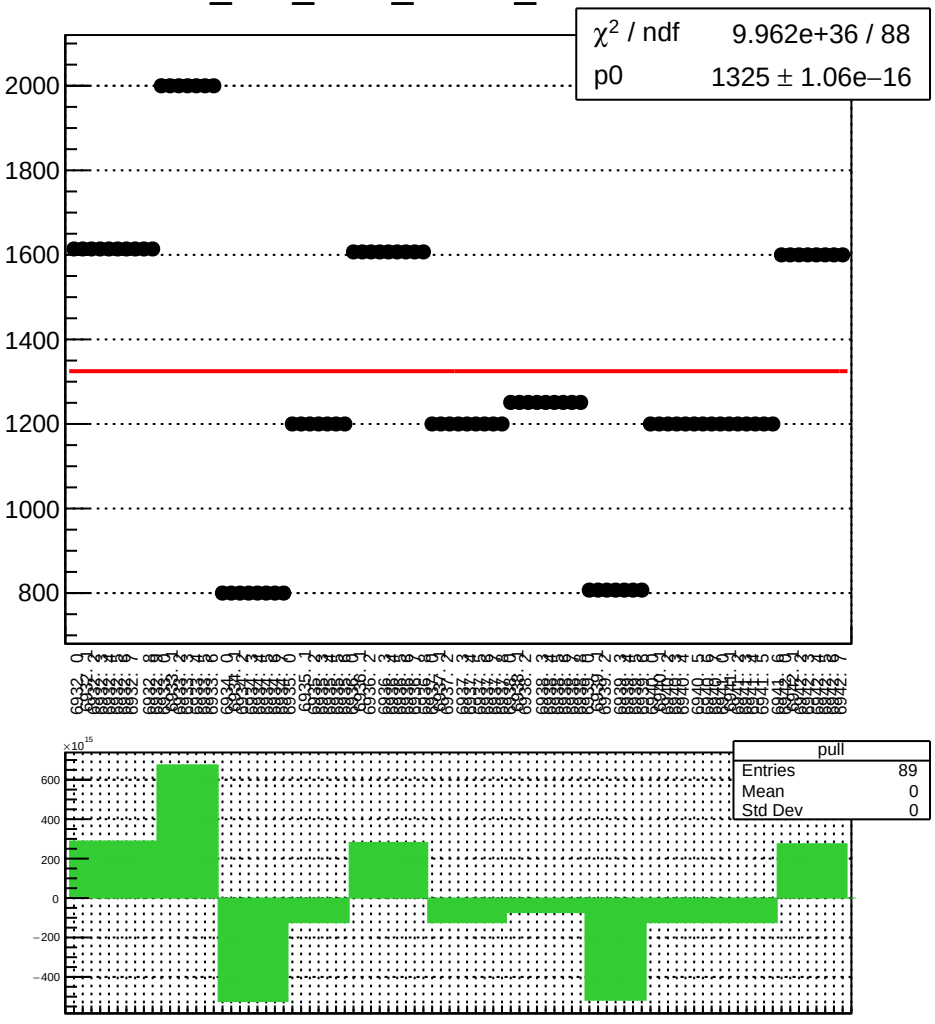

dit_atl2_coil7_mean vs run
χ^2 / ndf 8.076e+37 / 88
p0 1.386e+05 ± 1.06e−16
×10^3
140.5
140
139.5
139
138.5
138
137.5
137
pull
Entries 89
Mean 1.529e+09
Std Dev 1.529e+09
×10^15
1500
1000
500
0
−500
−1000
−1500

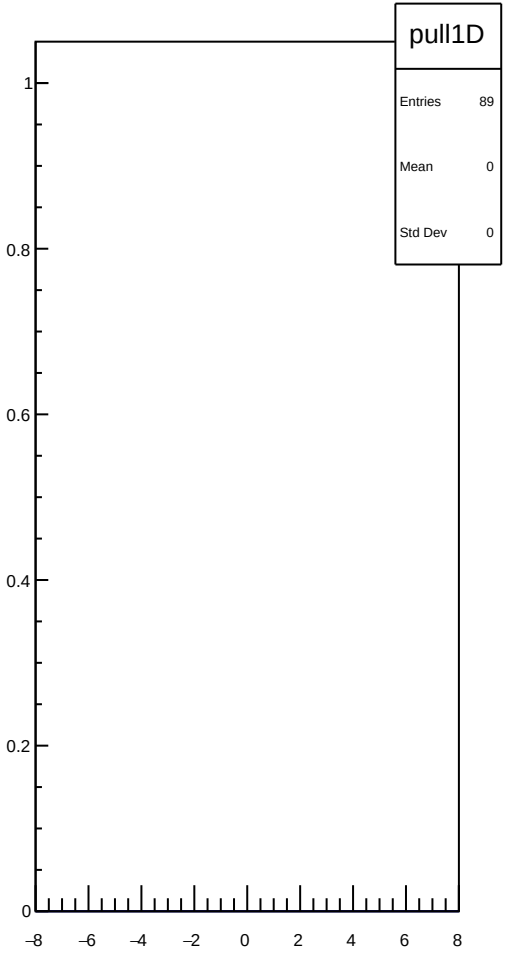

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

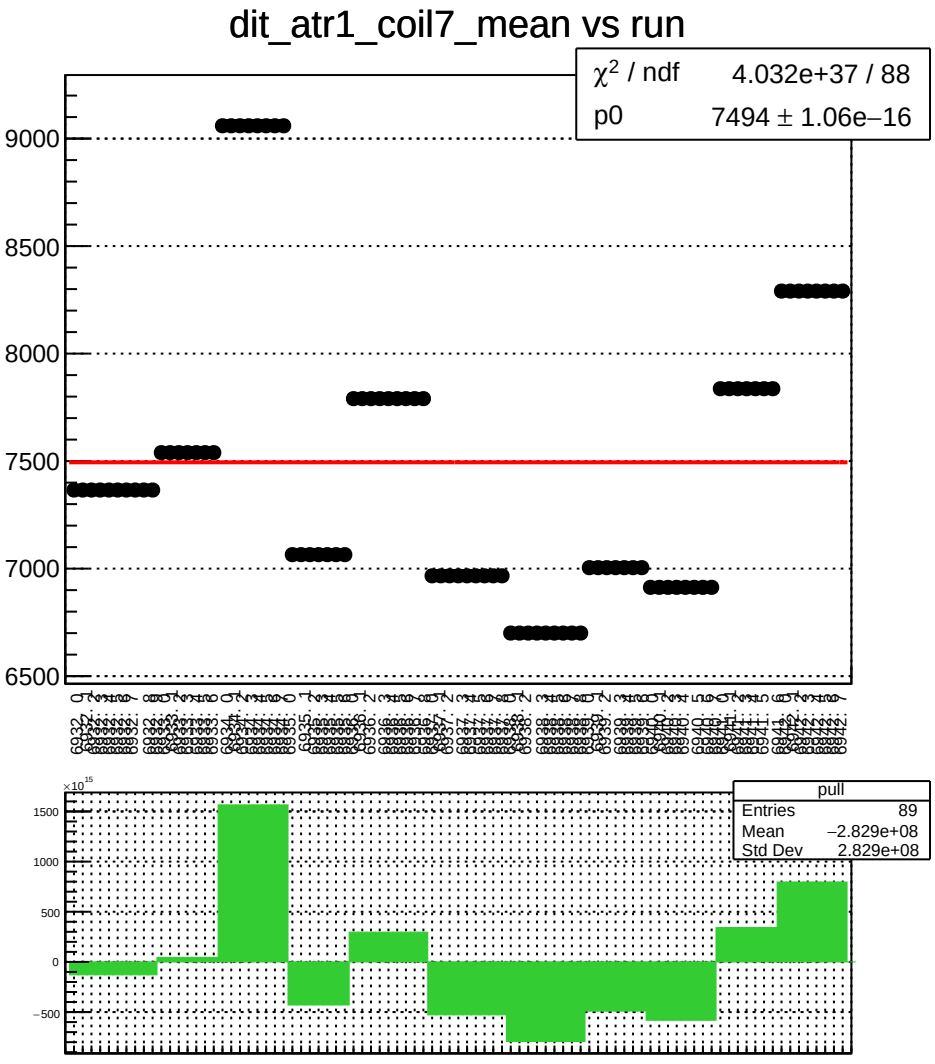

dit_atl2_coil7_err_mean vs run
χ² / ndf 1.694e+37 / 88
p0 3226 ± 1.06e−16
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
pull
Entries 89
Mean 4.335e+08
Std Dev 4.335e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600

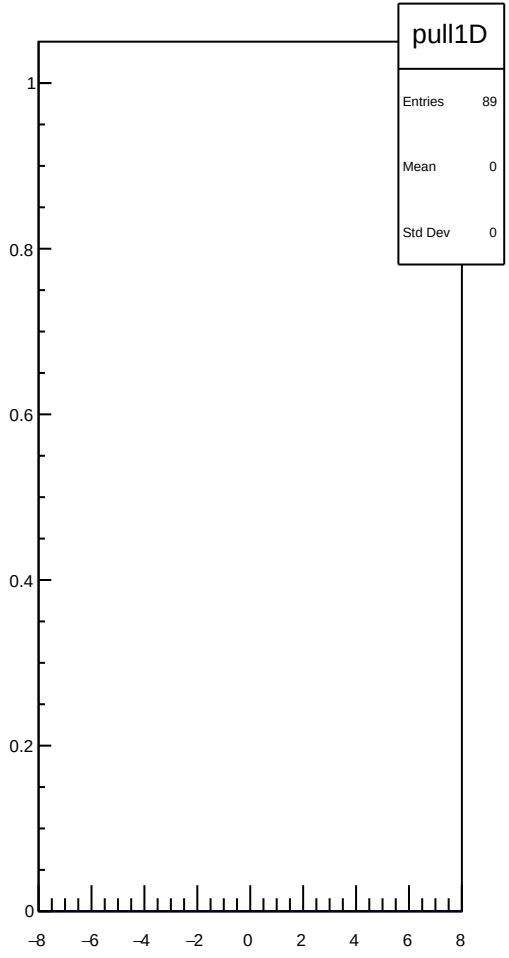

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

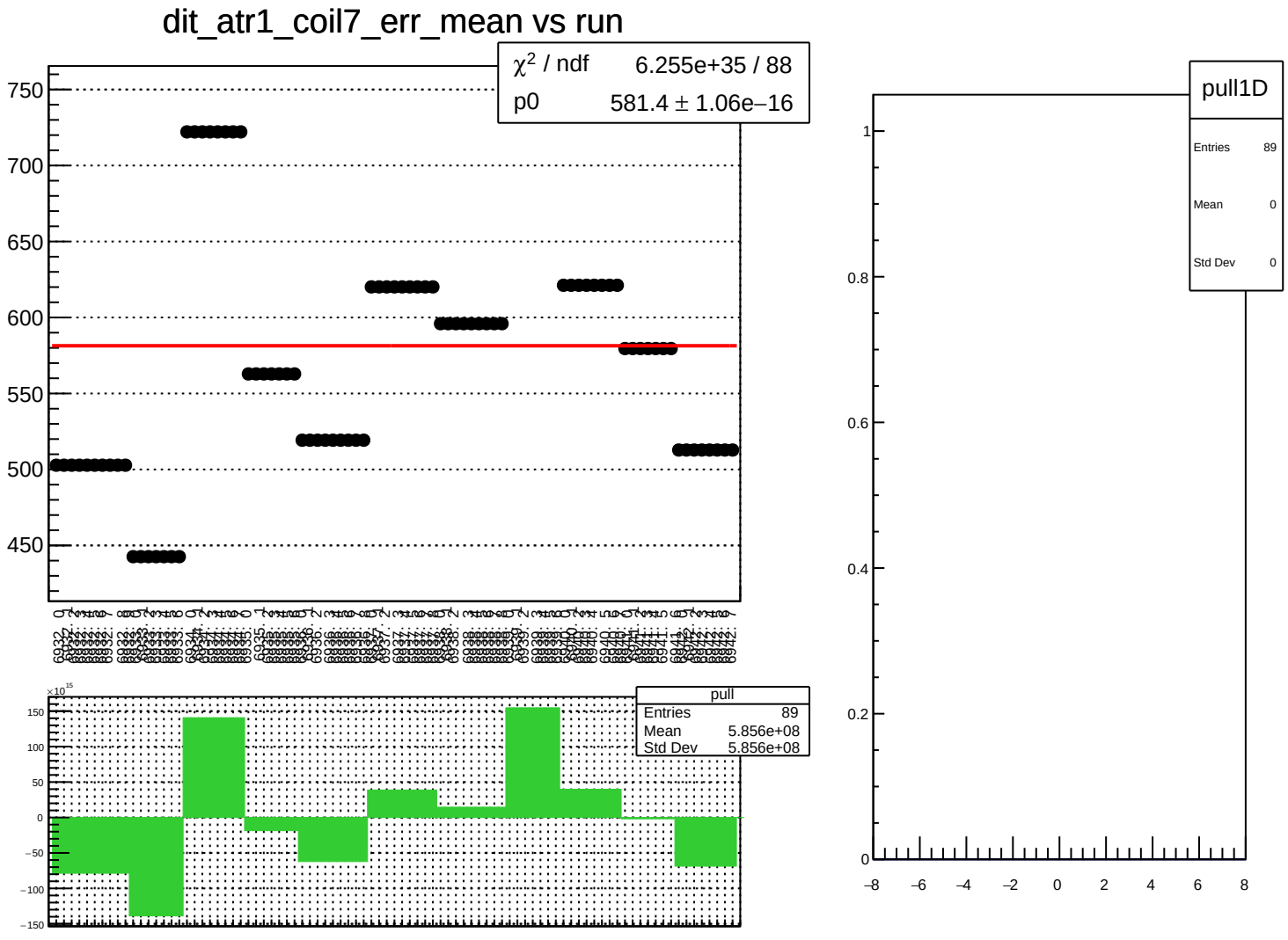
dit_atl2_coil7_Ndata_mean vs run

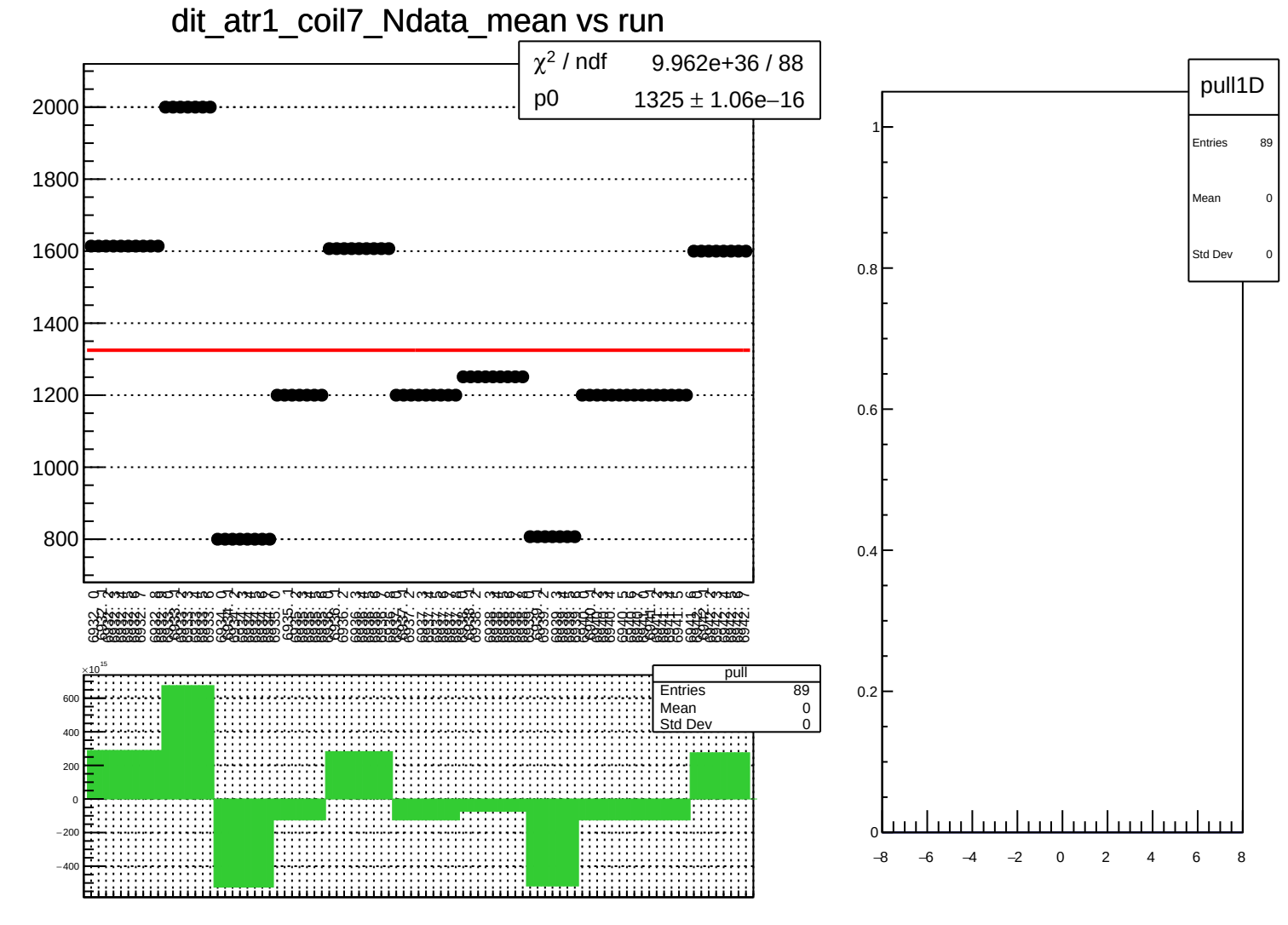


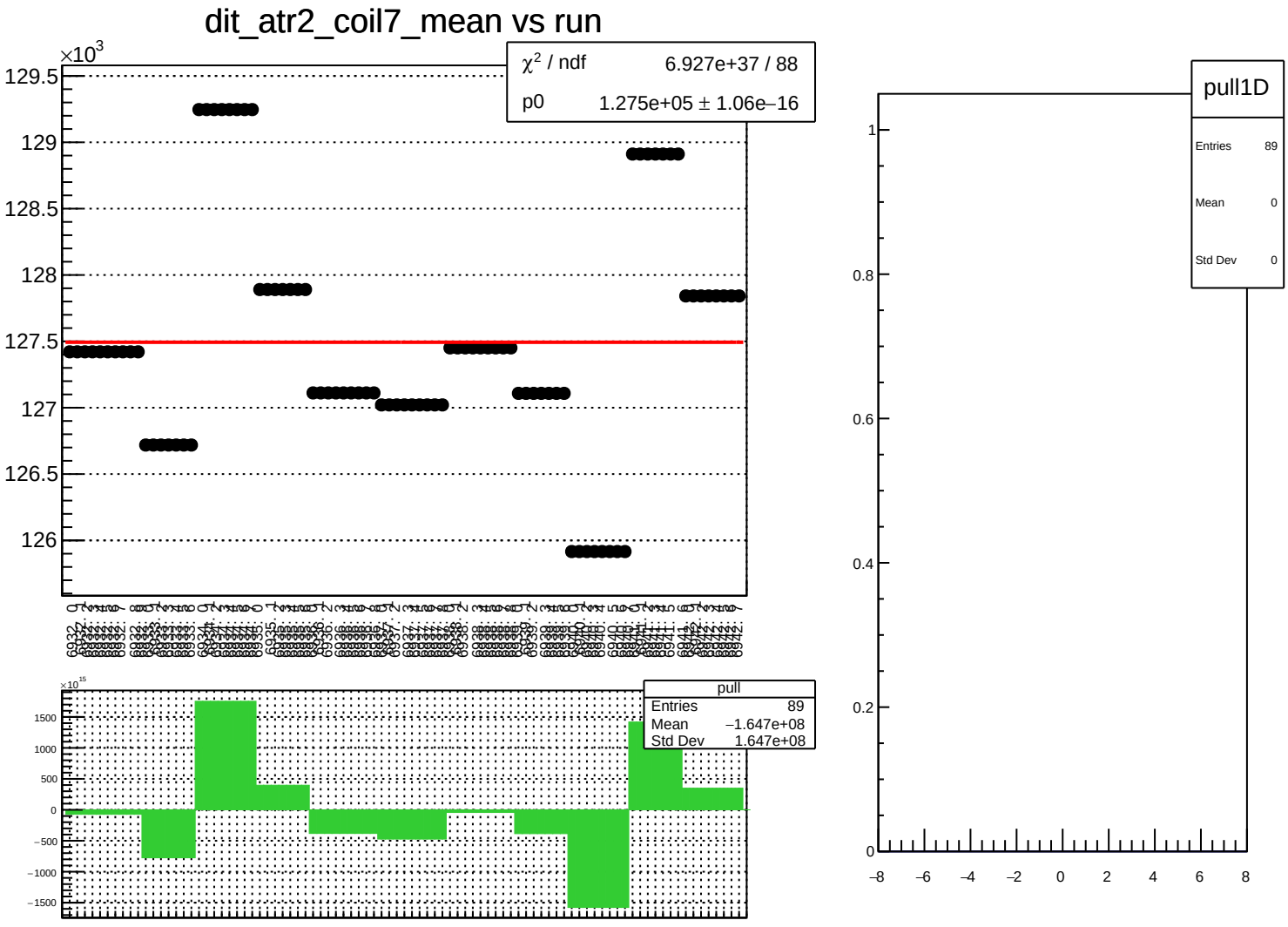


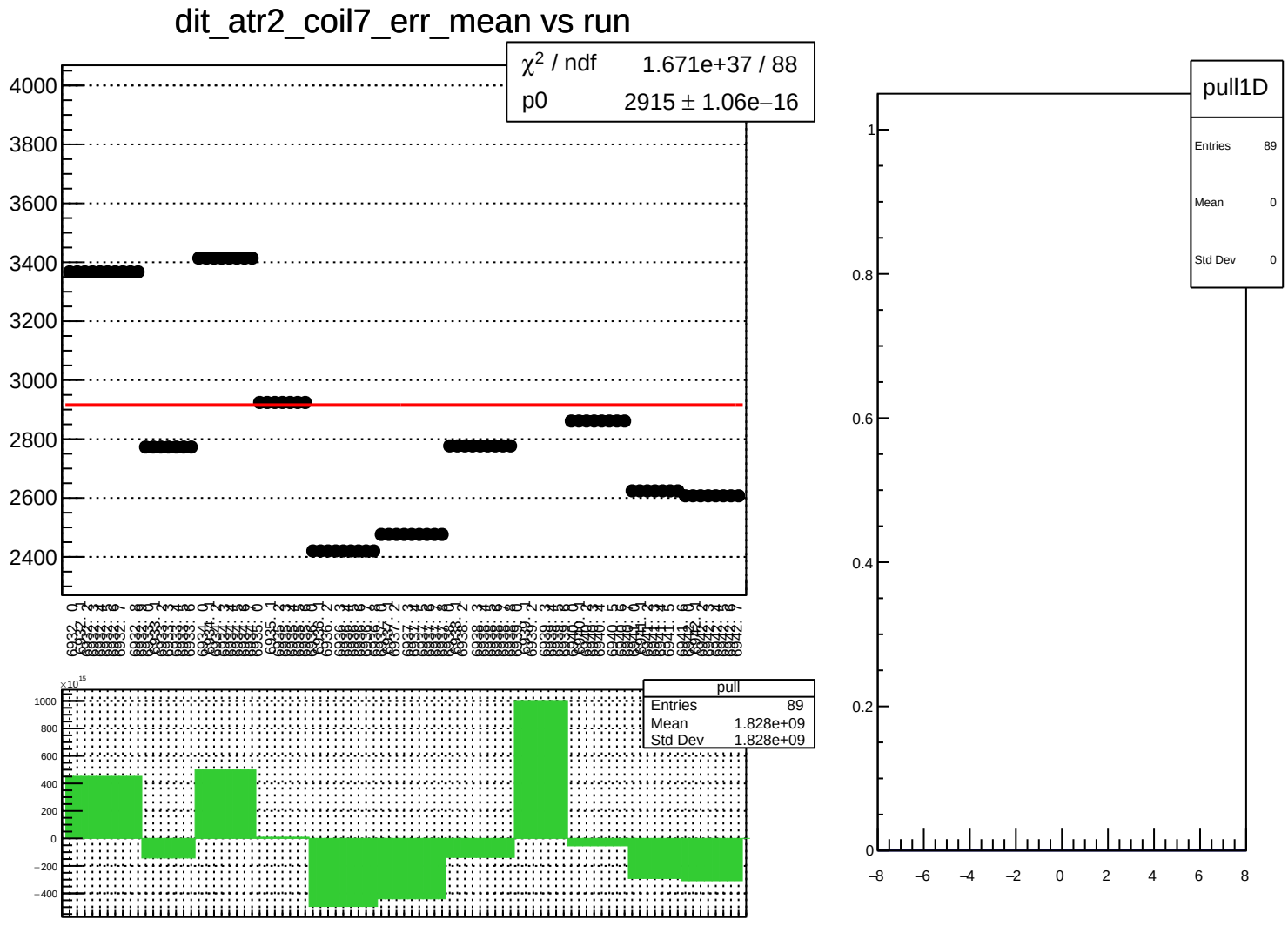

dit_atr1_coil7_mean vs run
χ^2 / ndf 4.032e+37 / 88
p0 7494 ± 1.06e−16
9000
8500
8000
7500
7000
6500
pull
Entries 89
Mean −2.829e+08
Std Dev 2.829e+08
×10^15
1500
1000
500
0
−500

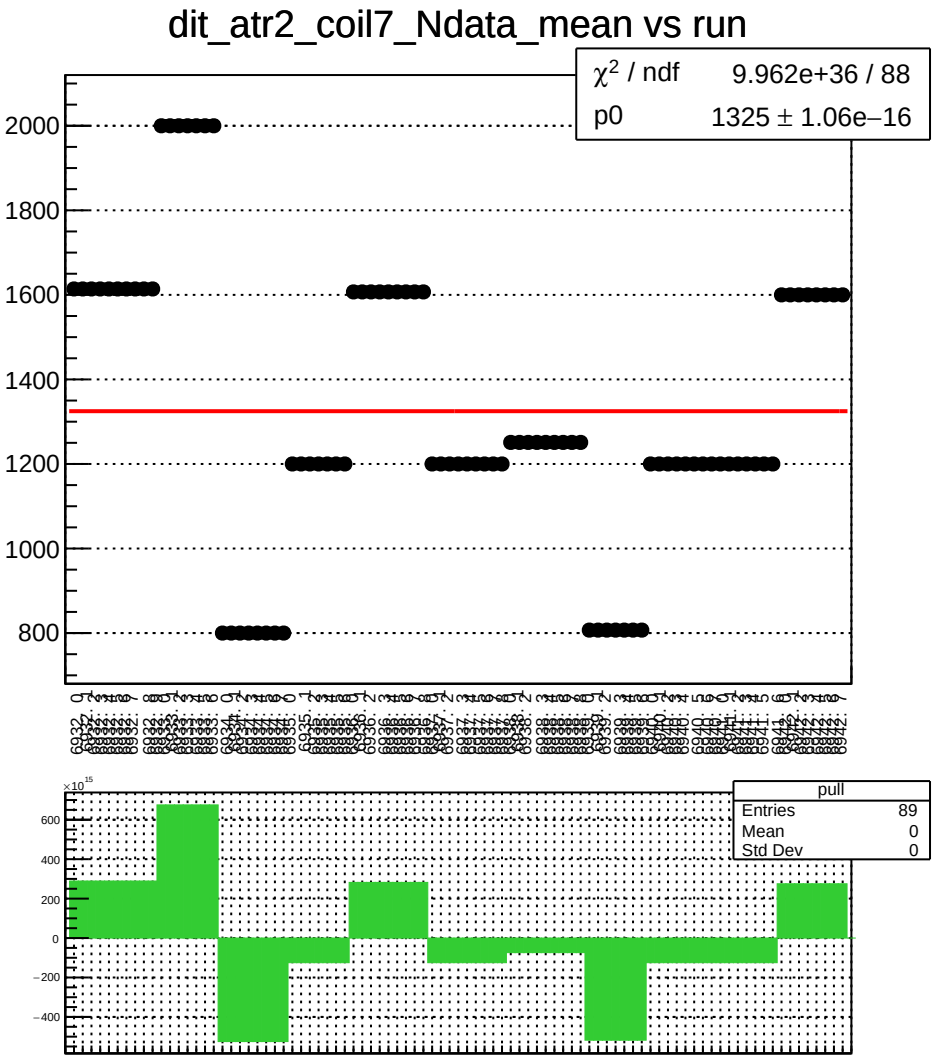

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

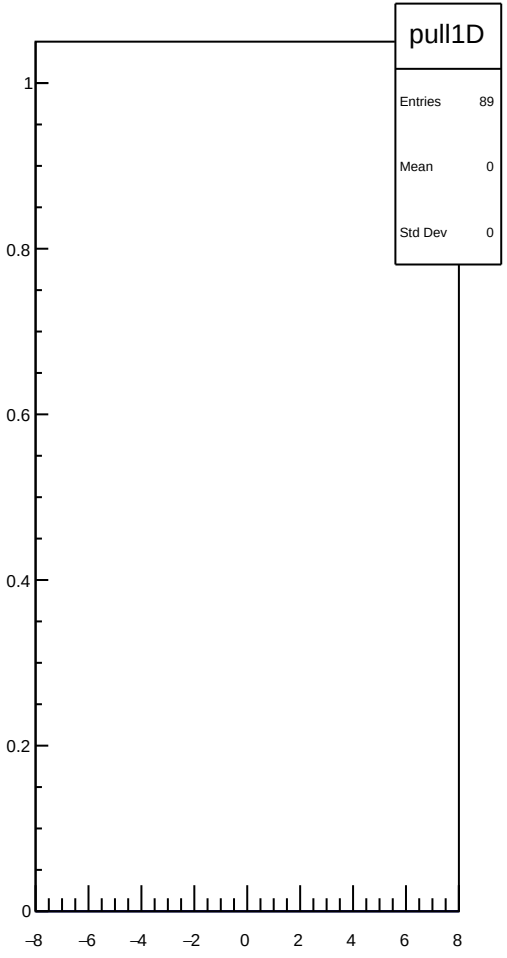

dit_atr1_coil7_err_mean vs run
χ² / ndf 6.255e+35 / 88
p0 581.4 ± 1.06e−16
750
700
650
600
550
500
450
pull
Entries 89
Mean 5.856e+08
Std Dev 5.856e+08
×10¹⁵
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

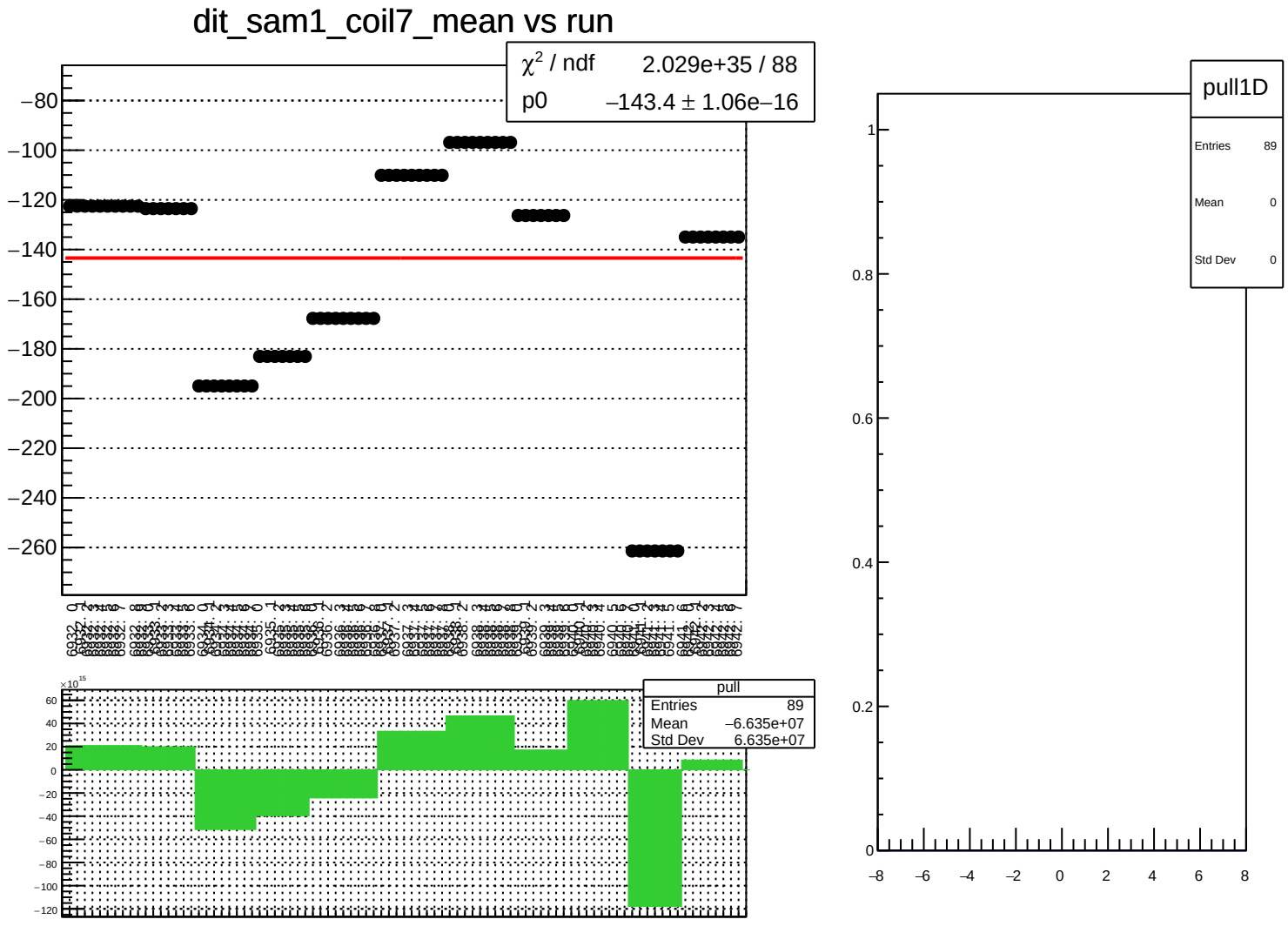

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
600
400
200
0
−200
−400
pull
Entries 89
Mean 0
Std Dev 0
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil7_mean vs run
χ^2 / ndf 6.927e+37 / 88
p0 1.275e+05 ± 1.06e−16
×10^3
129.5
129
128.5
128
127.5
127
126.5
126
pull
Entries 89
Mean −1.647e+08
Std Dev 1.647e+08
×10^15
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

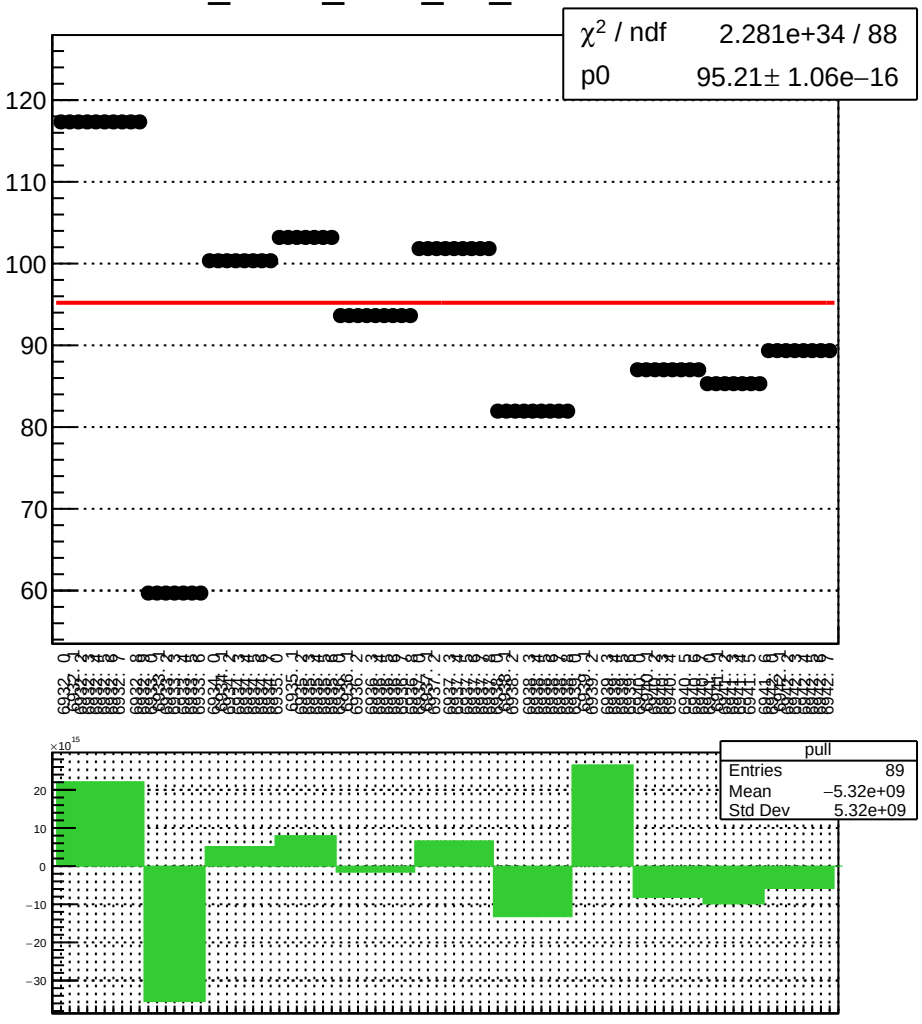

dit_atr2_coil7_err_mean vs run
χ² / ndf 1.671e+37 / 88
p0 2915 ± 1.06e−16
4000
3800
3600
3400
3200
3000
2800
2600
2400
pull
Entries 89
Mean 1.828e+09
Std Dev 1.828e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

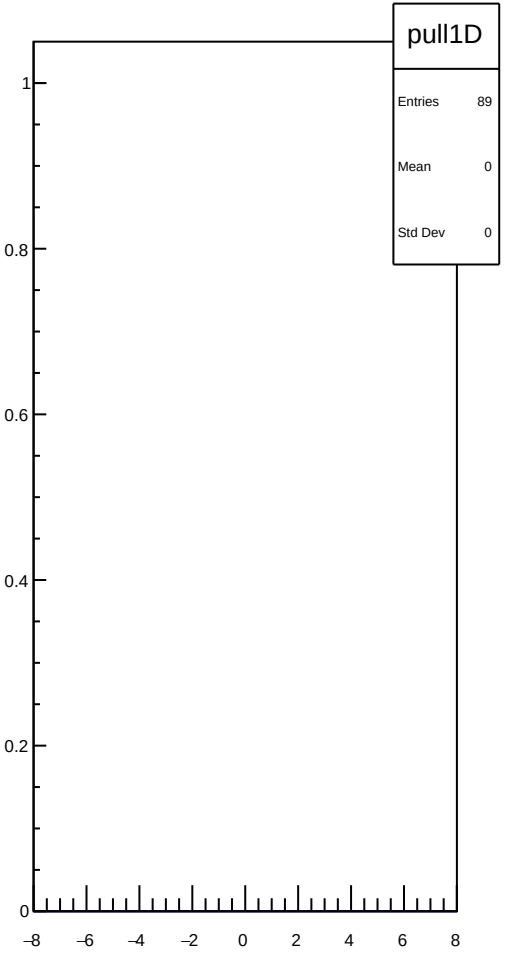

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400

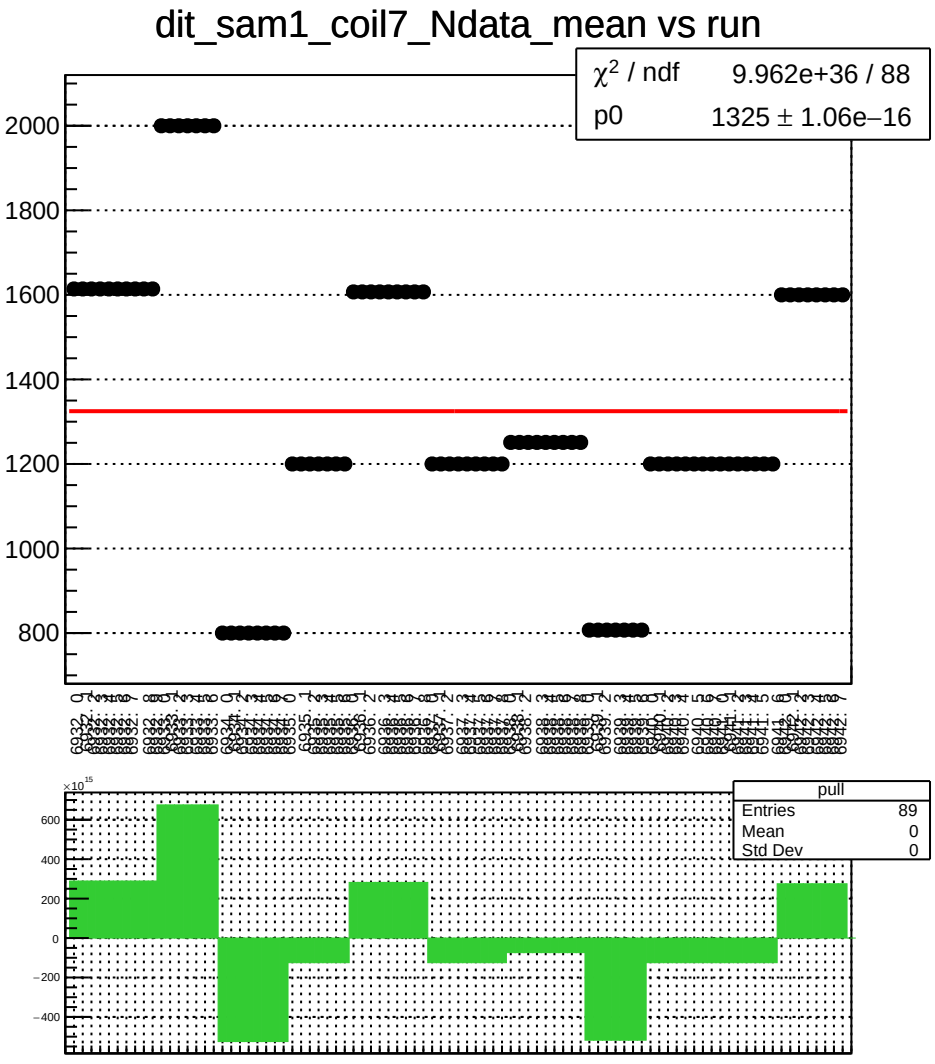

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

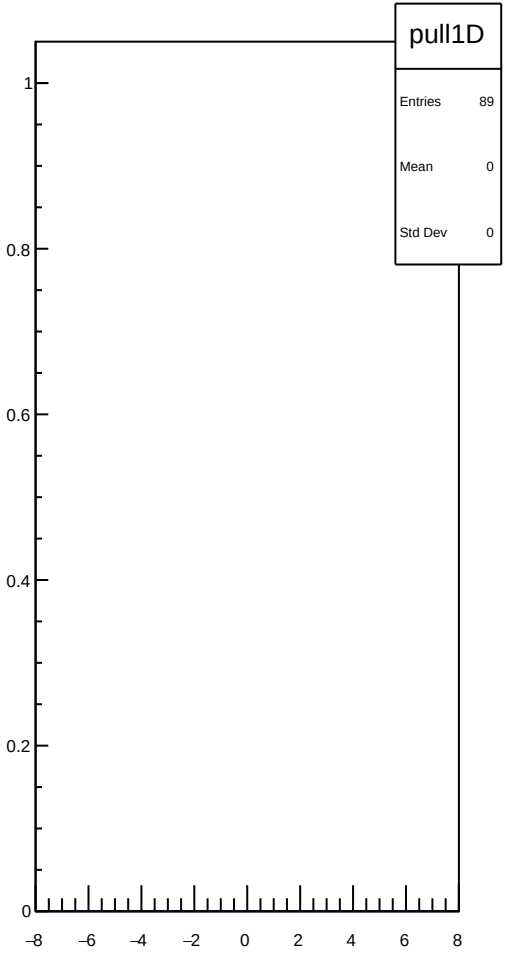

dit_sam1_coil7_mean vs run
χ² / ndf 2.029e+35 / 88
p0 –143.4 ± 1.06e–16
pull
Entries 89
Mean –6.635e+07
Std Dev 6.635e+07
pull1D
Entries 89
Mean 0
Std Dev 0

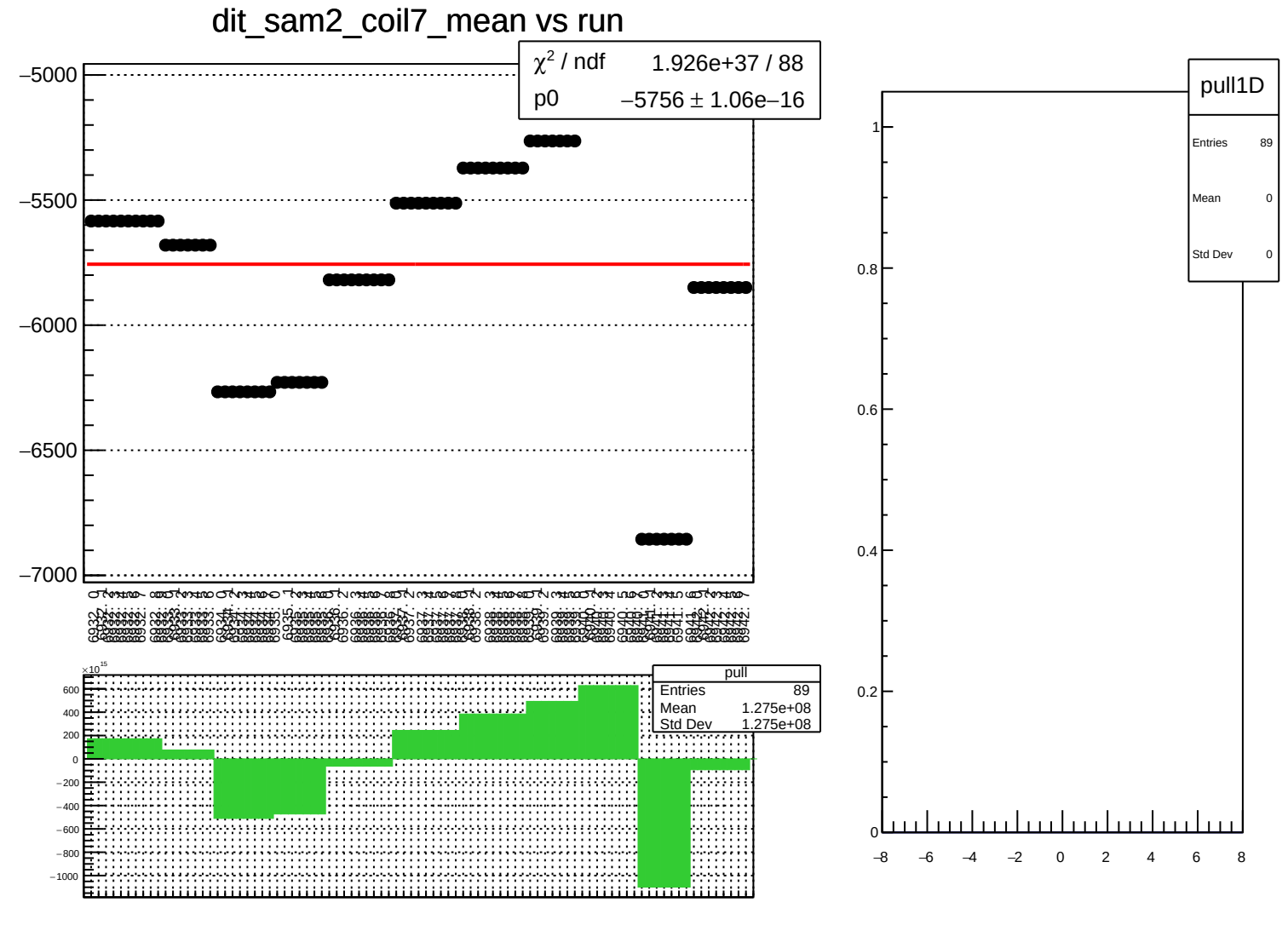
dit_sam1_coil7_err_mean vs run

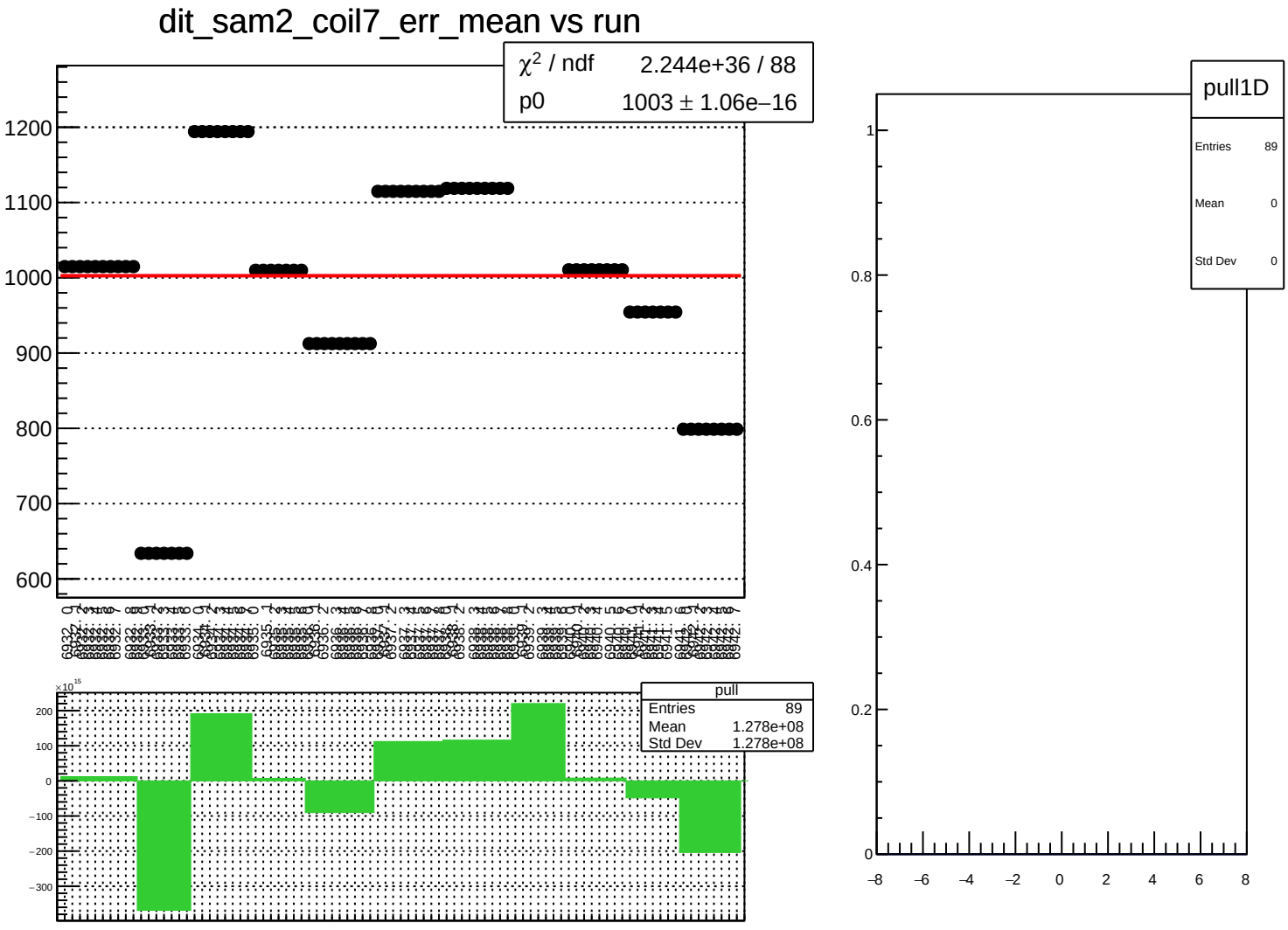


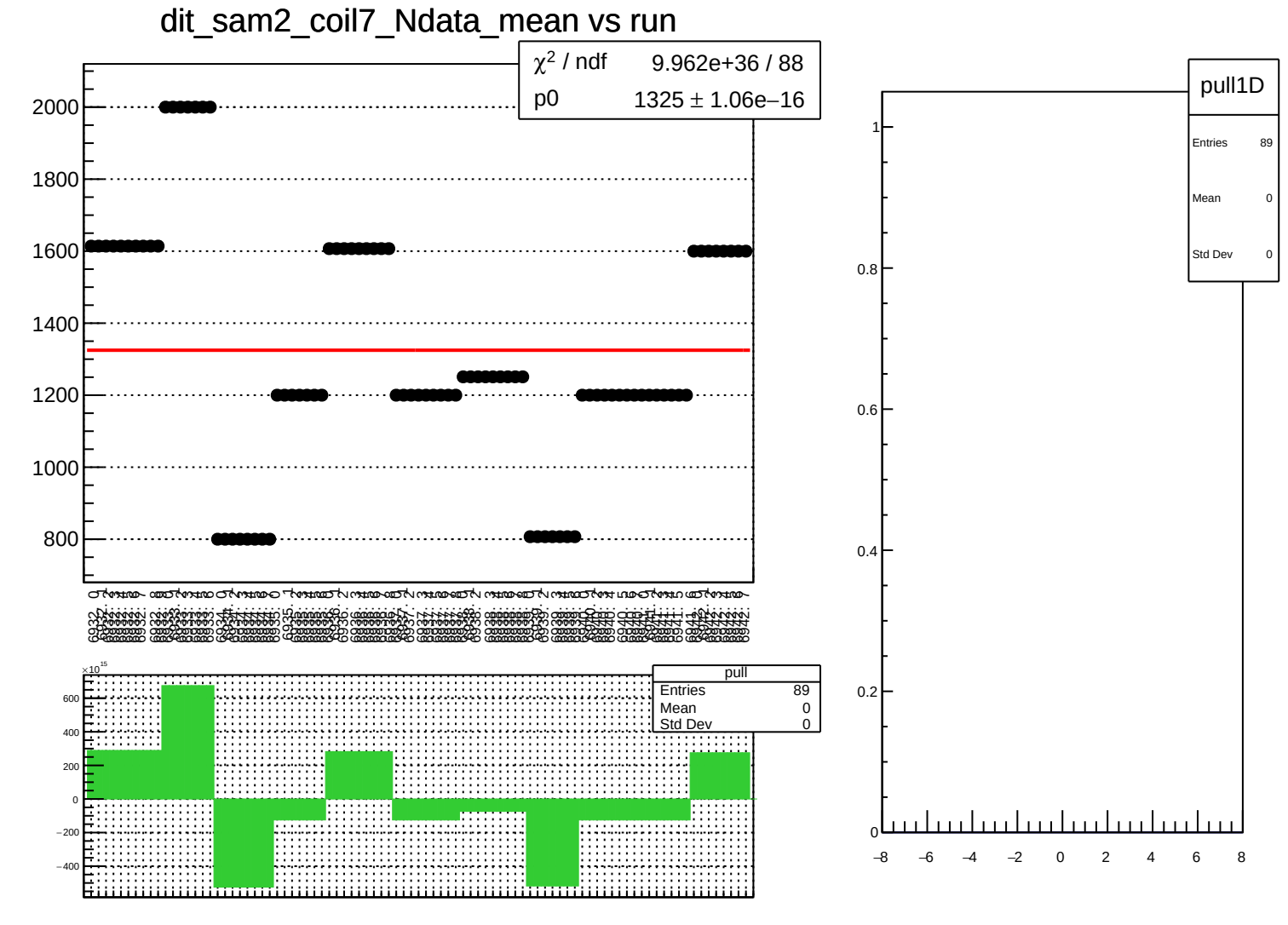


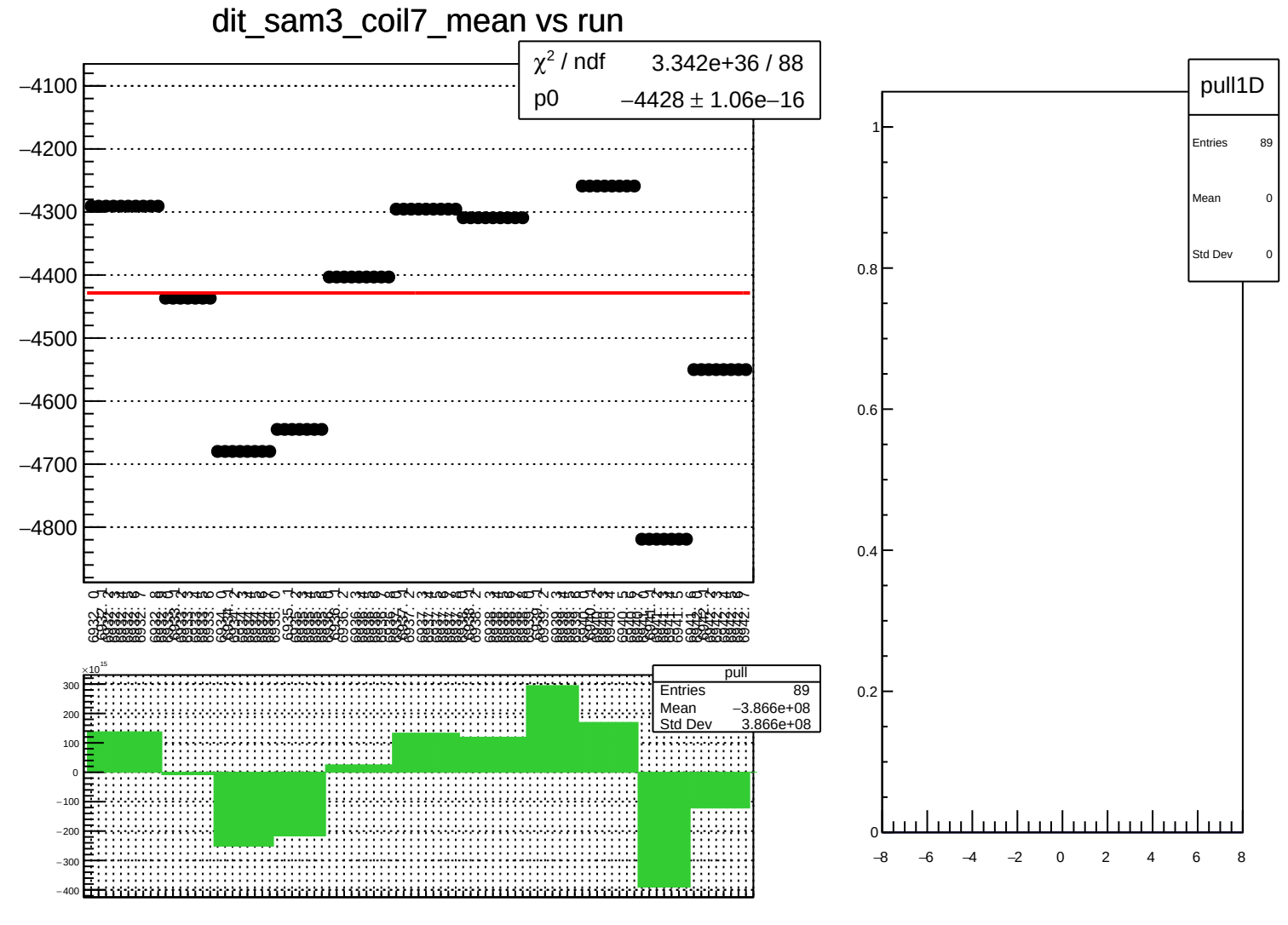

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400

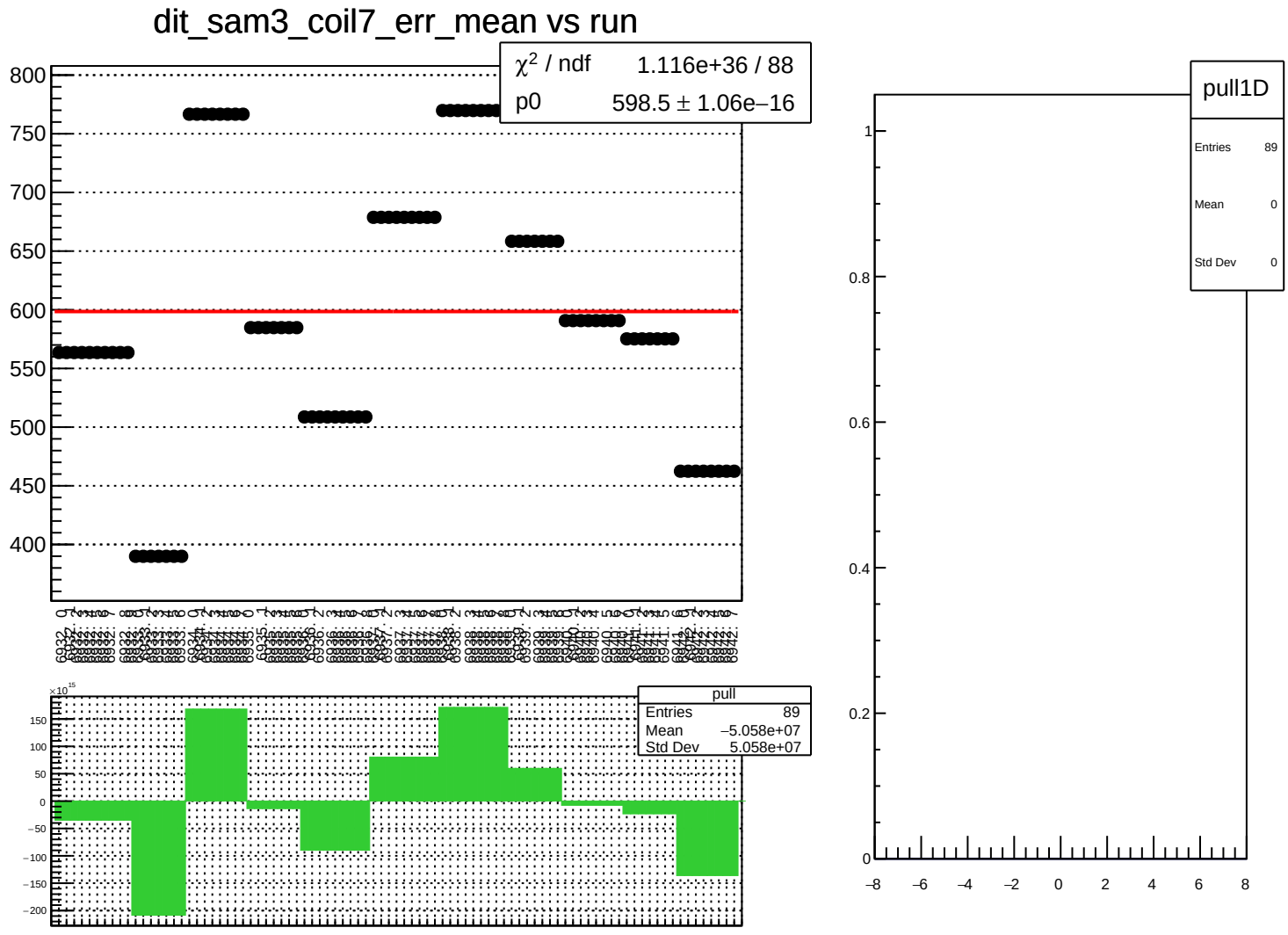

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

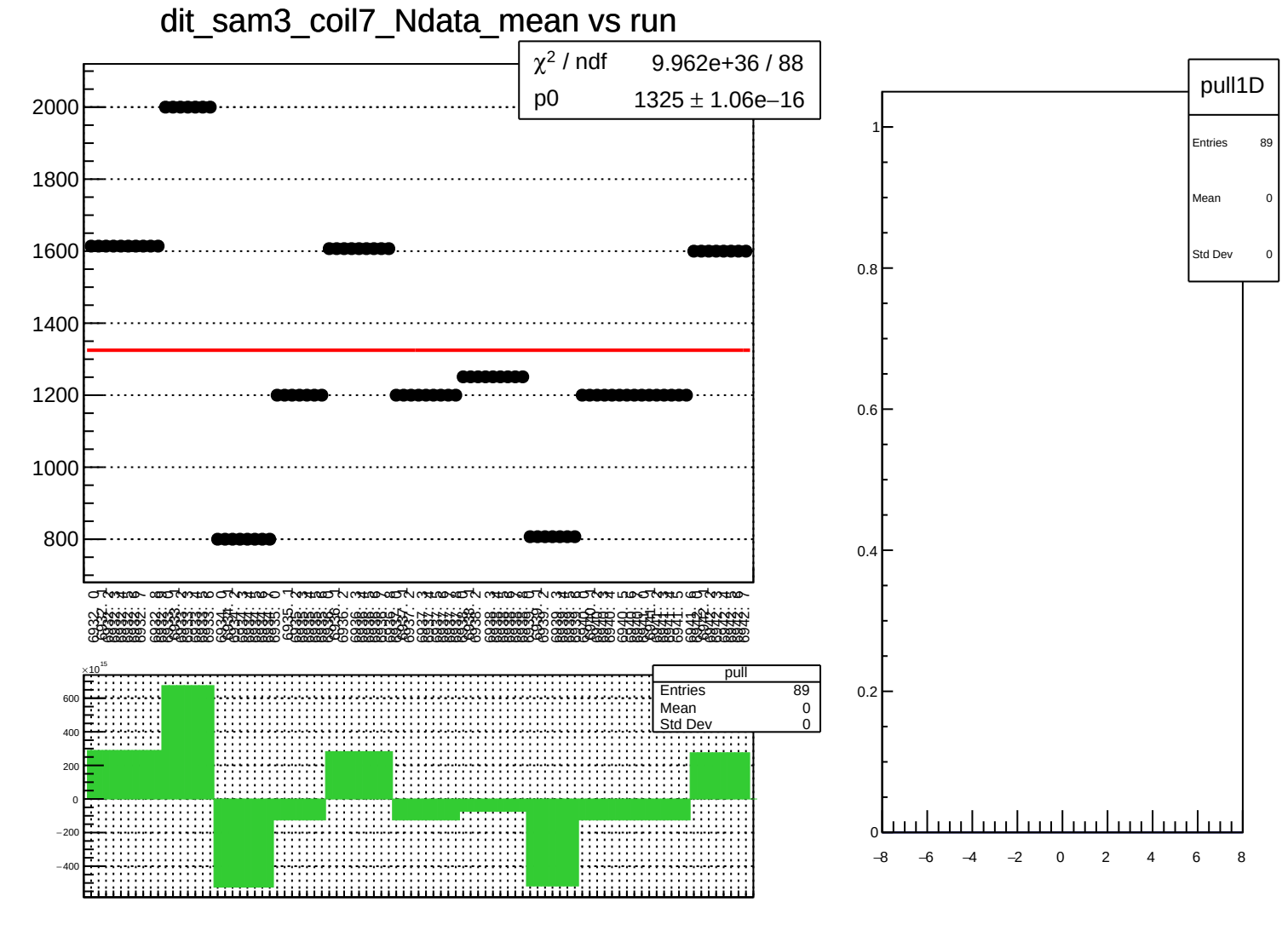

dit_sam2_coil7_mean vs run
χ² / ndf 1.926e+37 / 88
p0 −5756 ± 1.06e−16
−5000
−5500
−6000
−6500
−7000
pull
Entries 89
Mean 1.275e+08
Std Dev 1.275e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

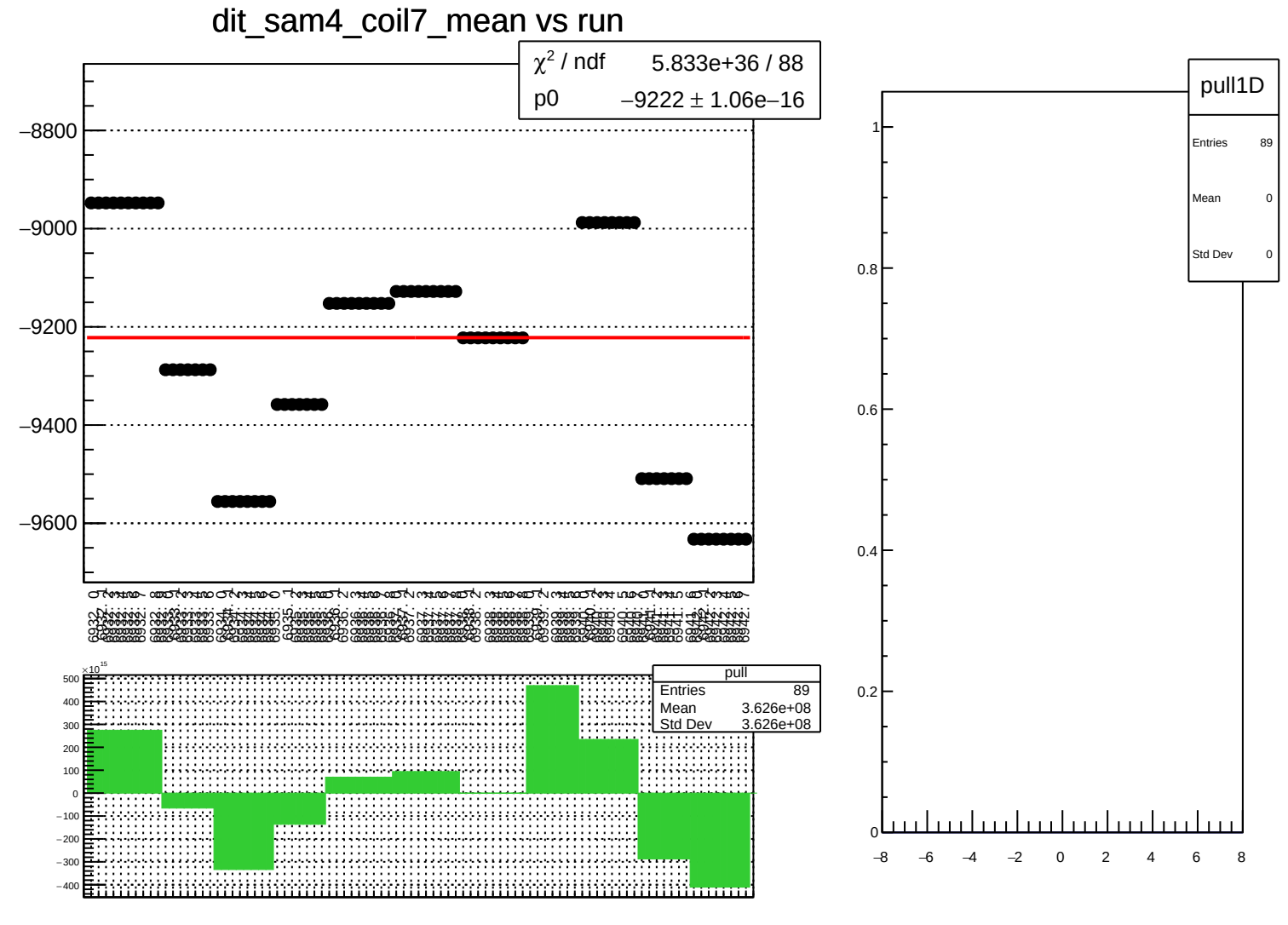

dit_sam2_coil7_err_mean vs run
χ² / ndf 2.244e+36 / 88
p0 1003 ± 1.06e−16
1200
1100
1000
900
800
700
600
pull
Entries 89
Mean 1.278e+08
Std Dev 1.278e+08
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

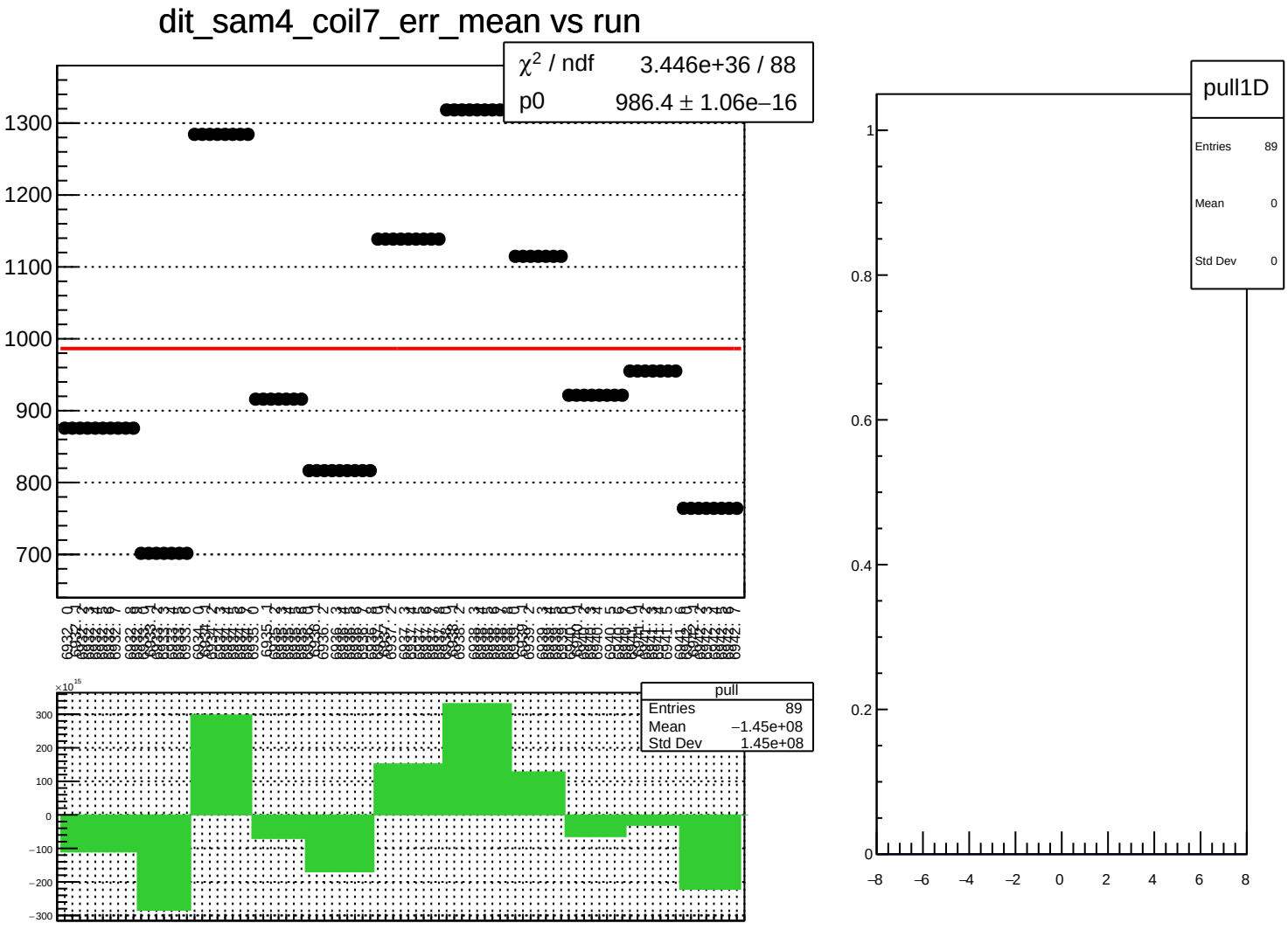

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

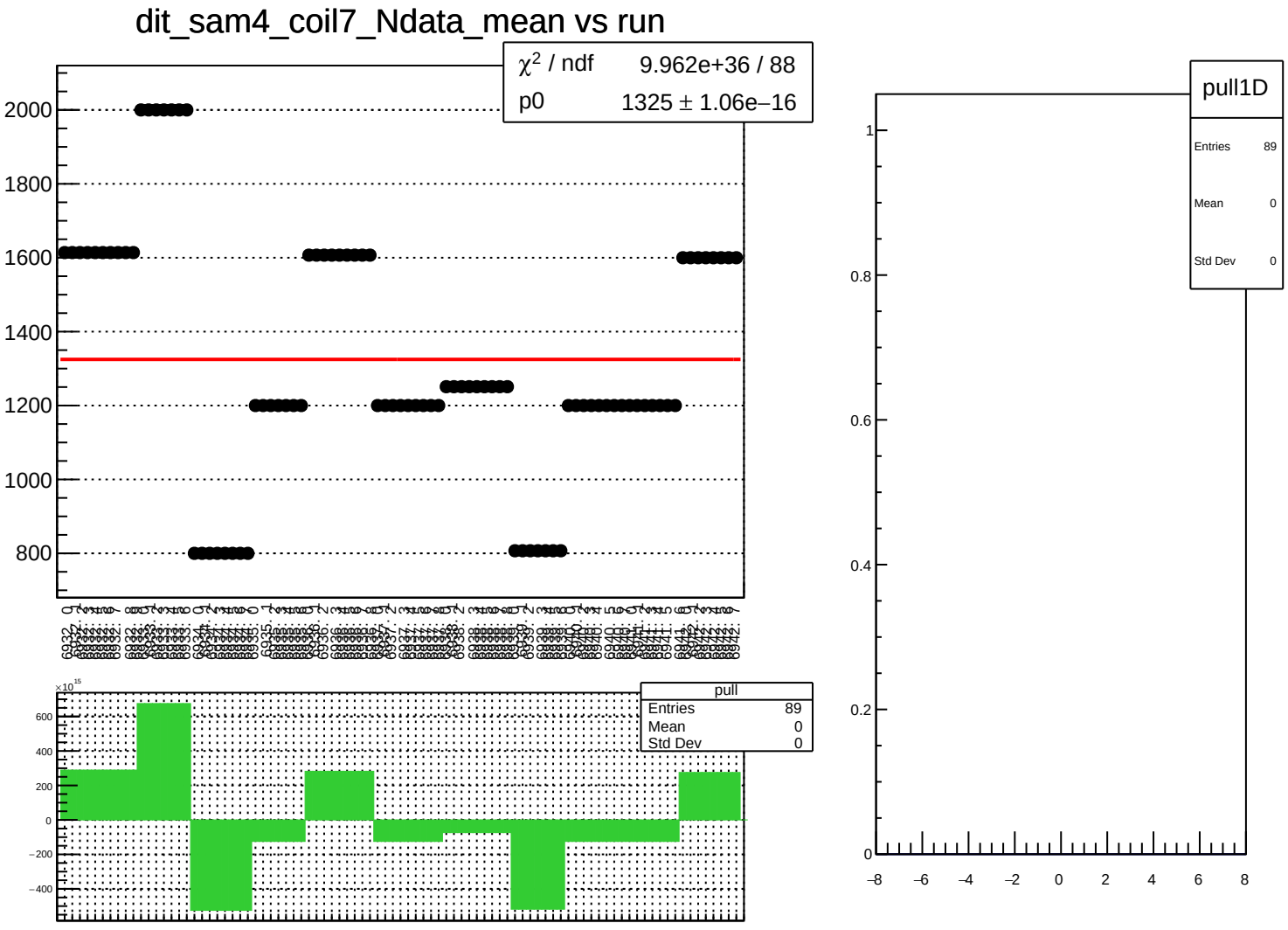

dit_sam3_coil7_mean vs run
χ² / ndf 3.342e+36 / 88
p0 −4428 ± 1.06e−16
−4100
−4200
−4300
−4400
−4500
−4600
−4700
−4800
pull
Entries 89
Mean −3.866e+08
Std Dev 3.866e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

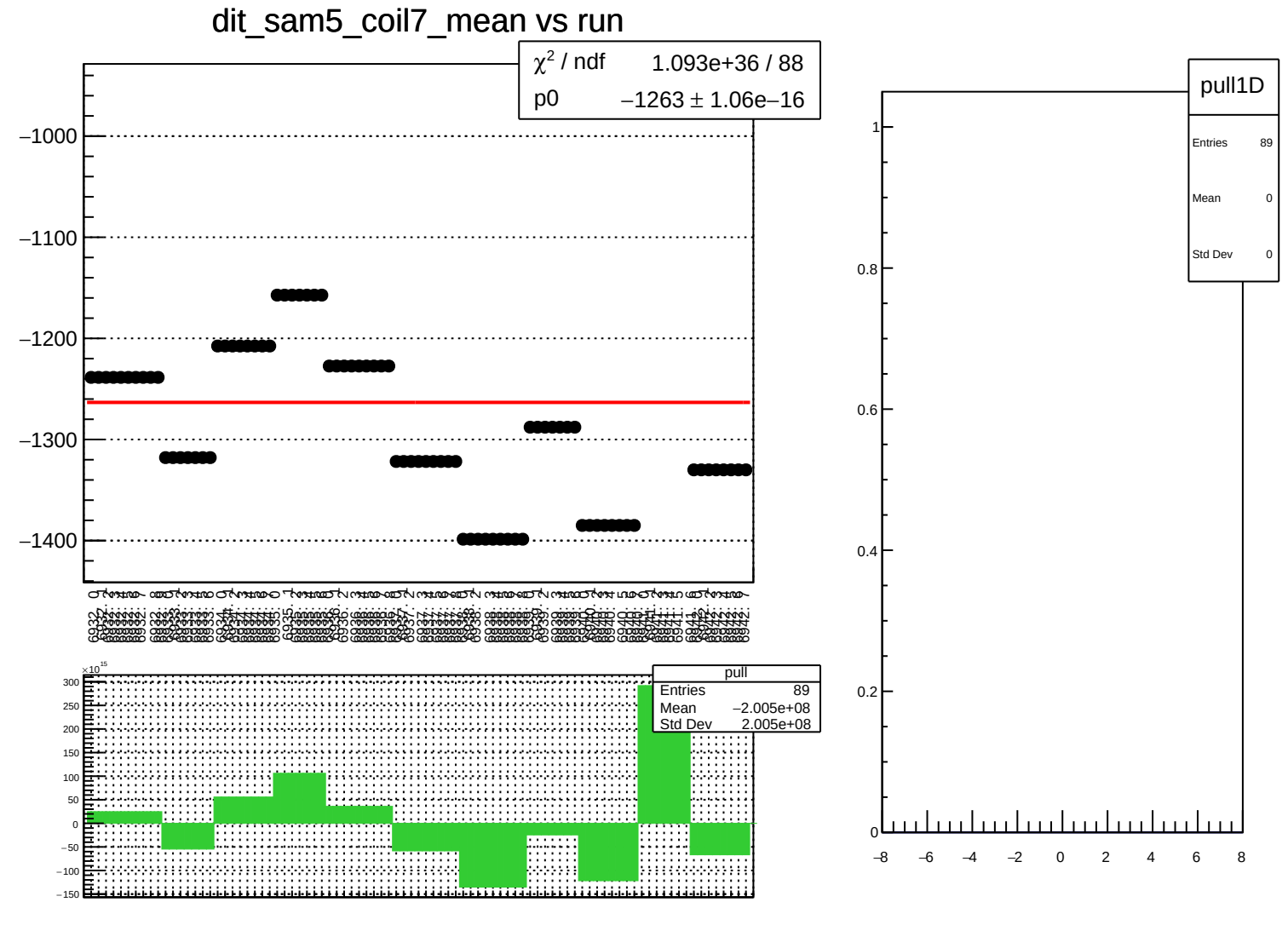

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.116e+36 / 88
p0 598.5 ± 1.06e−16
800
750
700
650
600
550
500
450
400
pull
Entries 89
Mean −5.058e+07
Std Dev 5.058e+07
×10^15
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

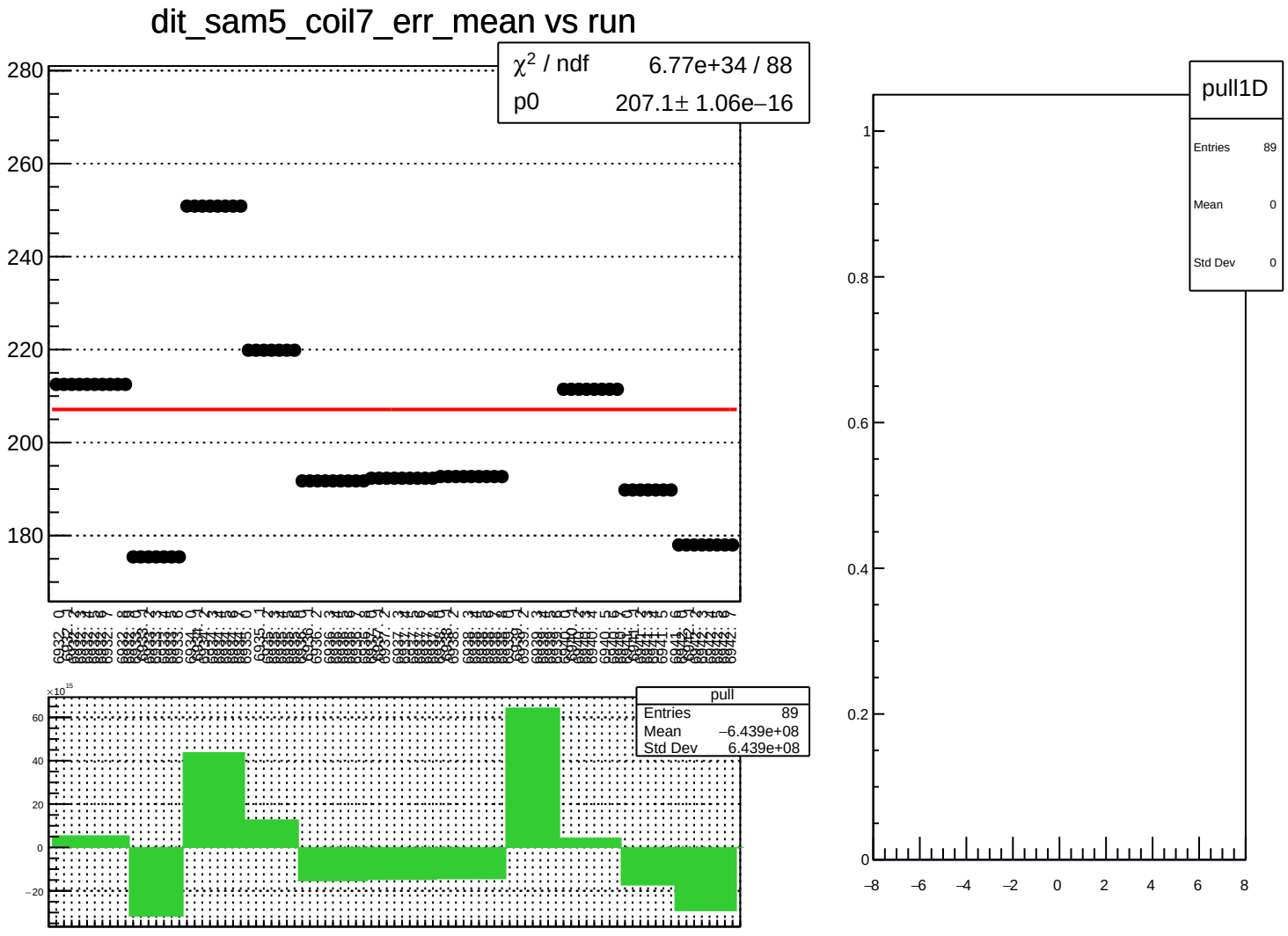

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

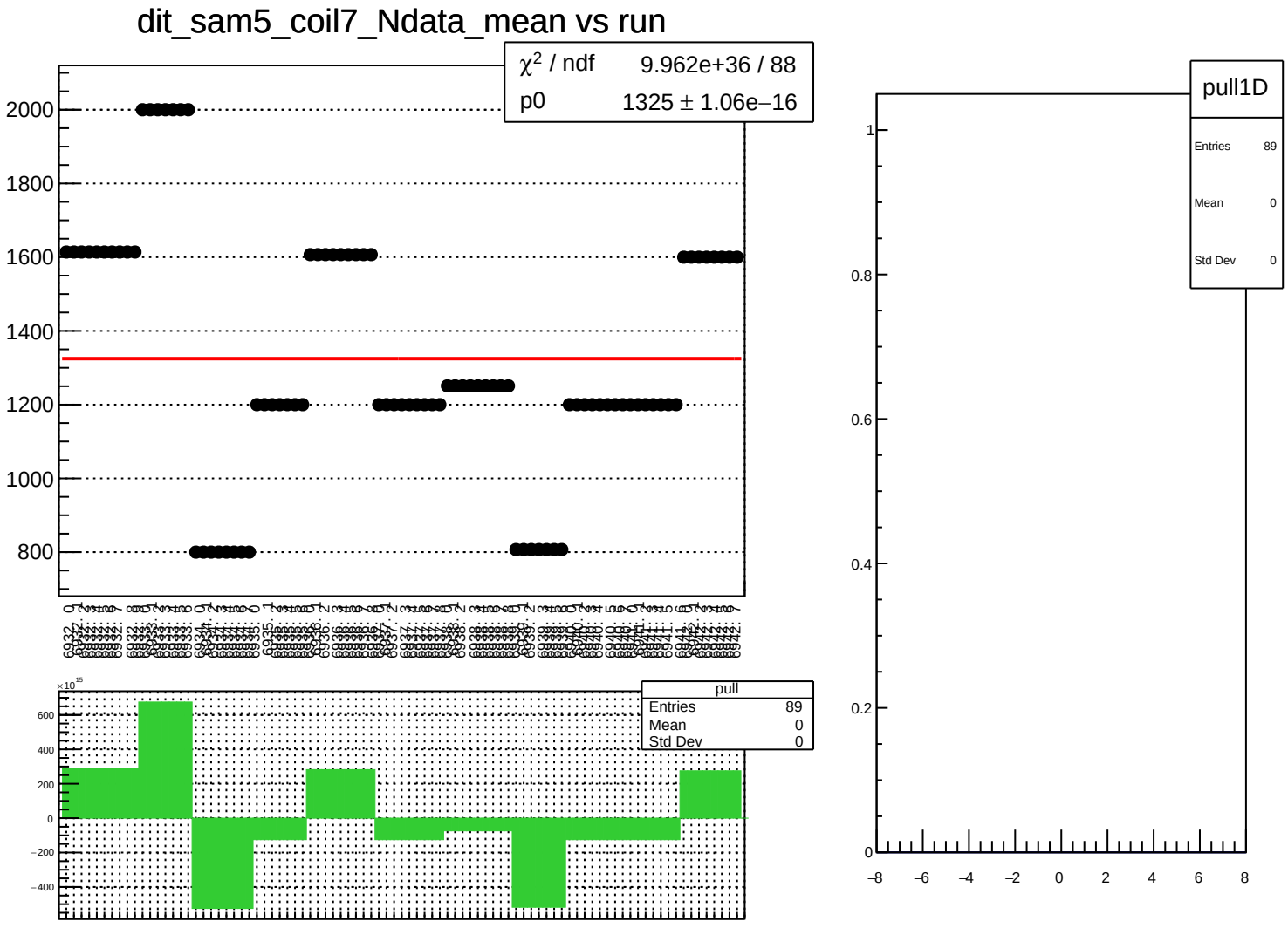

dit_sam4_coil7_mean vs run
χ^2 / ndf 5.833e+36 / 88
p0 −9222 ± 1.06e−16
−8800
−9000
−9200
−9400
−9600
pull
Entries 89
Mean 3.626e+08
Std Dev 3.626e+08
×10^15
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

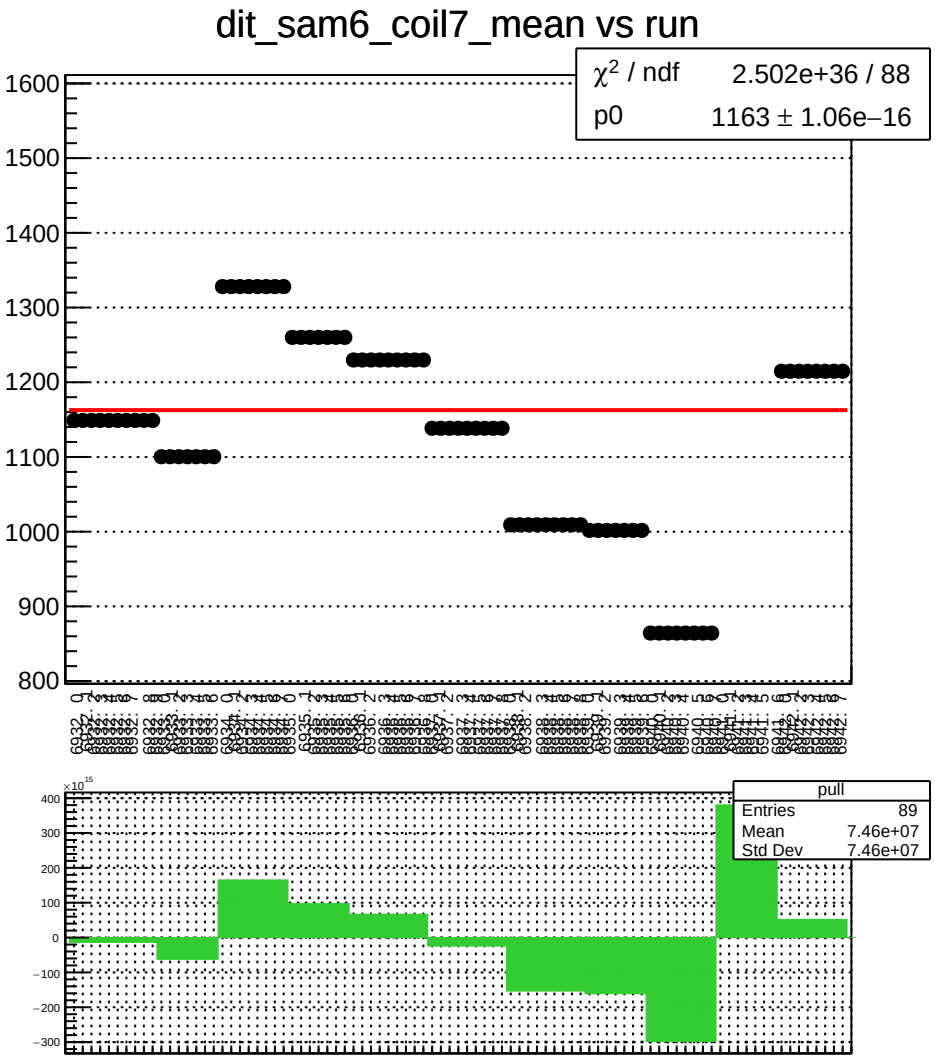

dit_sam4_coil7_err_mean vs run
χ² / ndf 3.446e+36 / 88
p0 986.4 ± 1.06e−16
1300
1200
1100
1000
900
800
700
pull
Entries 89
Mean −1.45e+08
Std Dev 1.45e+08
×10^15
300
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

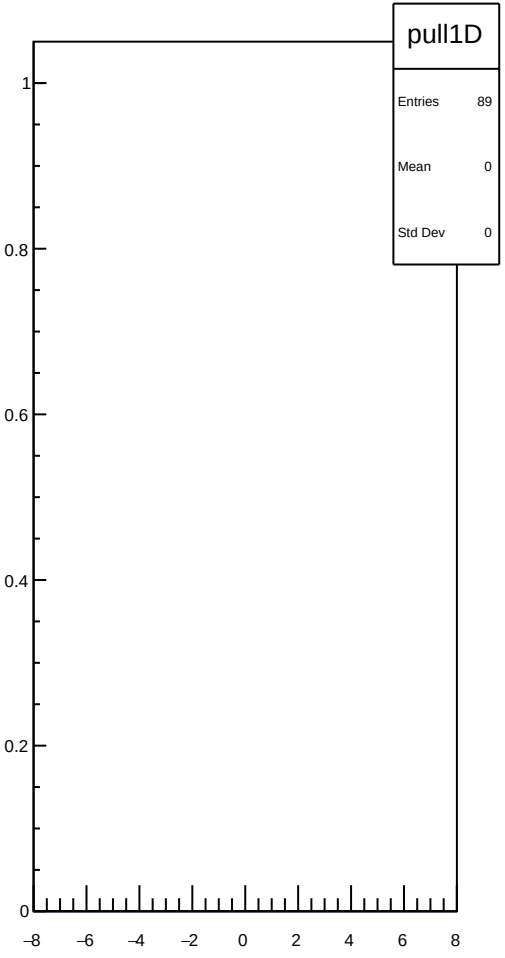

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

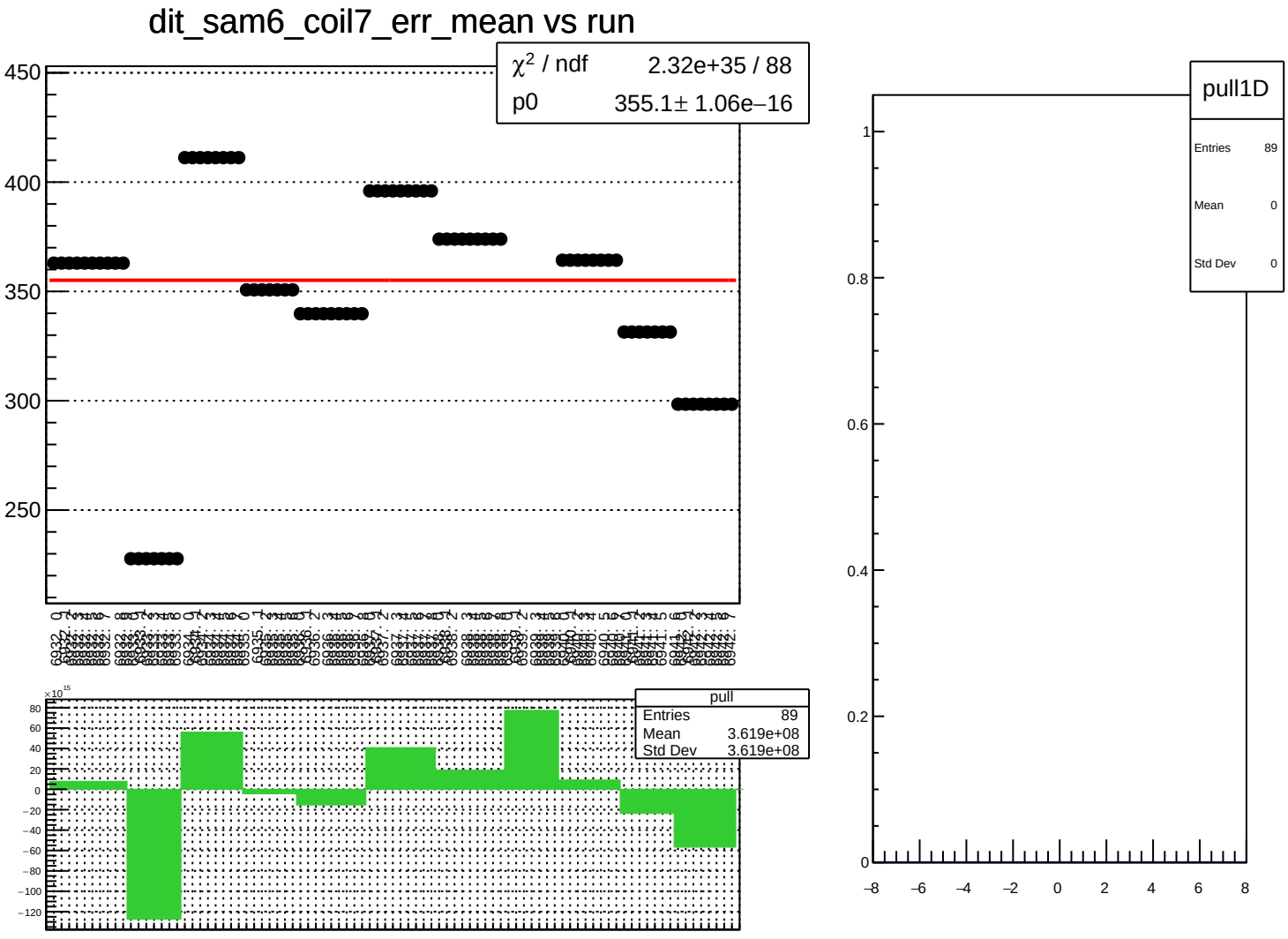

dit_sam5_coil7_mean vs run
χ² / ndf 1.093e+36 / 88
p0 −1263 ± 1.06e−16
−1000
−1100
−1200
−1300
−1400
pull
Entries 89
Mean −2.005e+08
Std Dev 2.005e+08
×10¹⁵
300
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

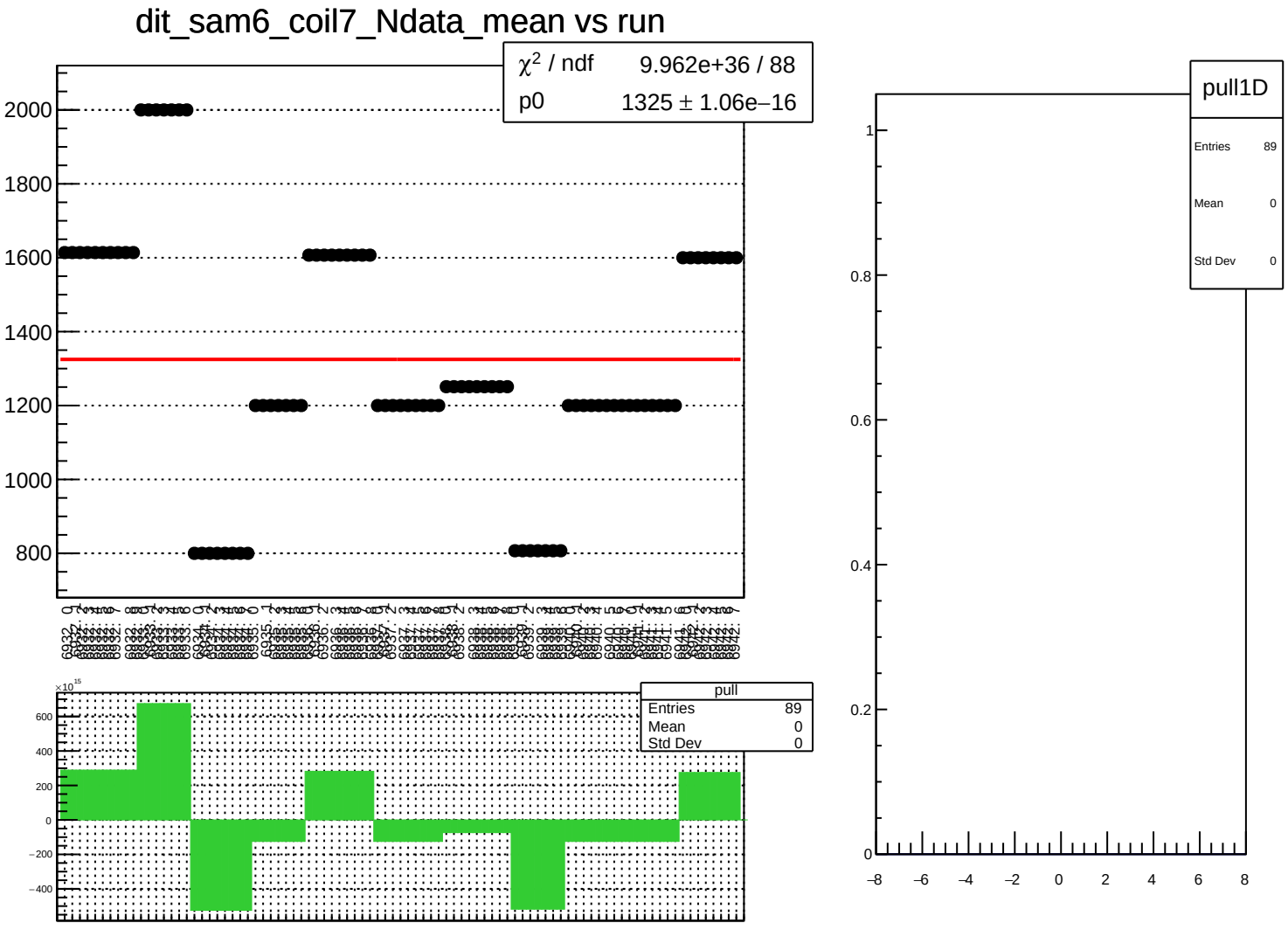

dit_sam5_coil7_err_mean vs run
χ² / ndf 6.77e+34 / 88
p0 207.1± 1.06e−16
280
260
240
220
200
180
pull
Entries 89
Mean −6.439e+08
Std Dev 6.439e+08
×10¹⁵
60
40
20
0
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

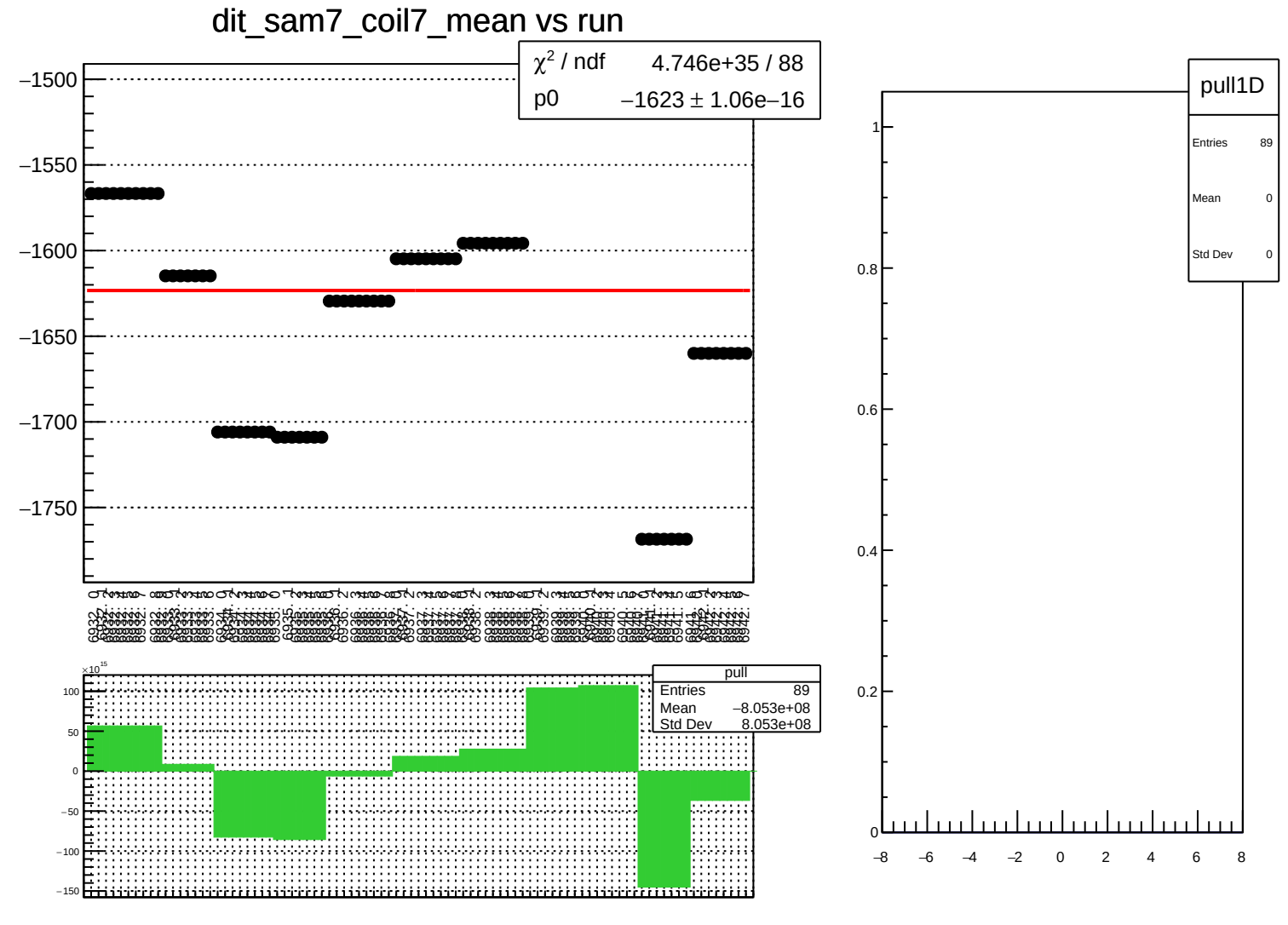

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

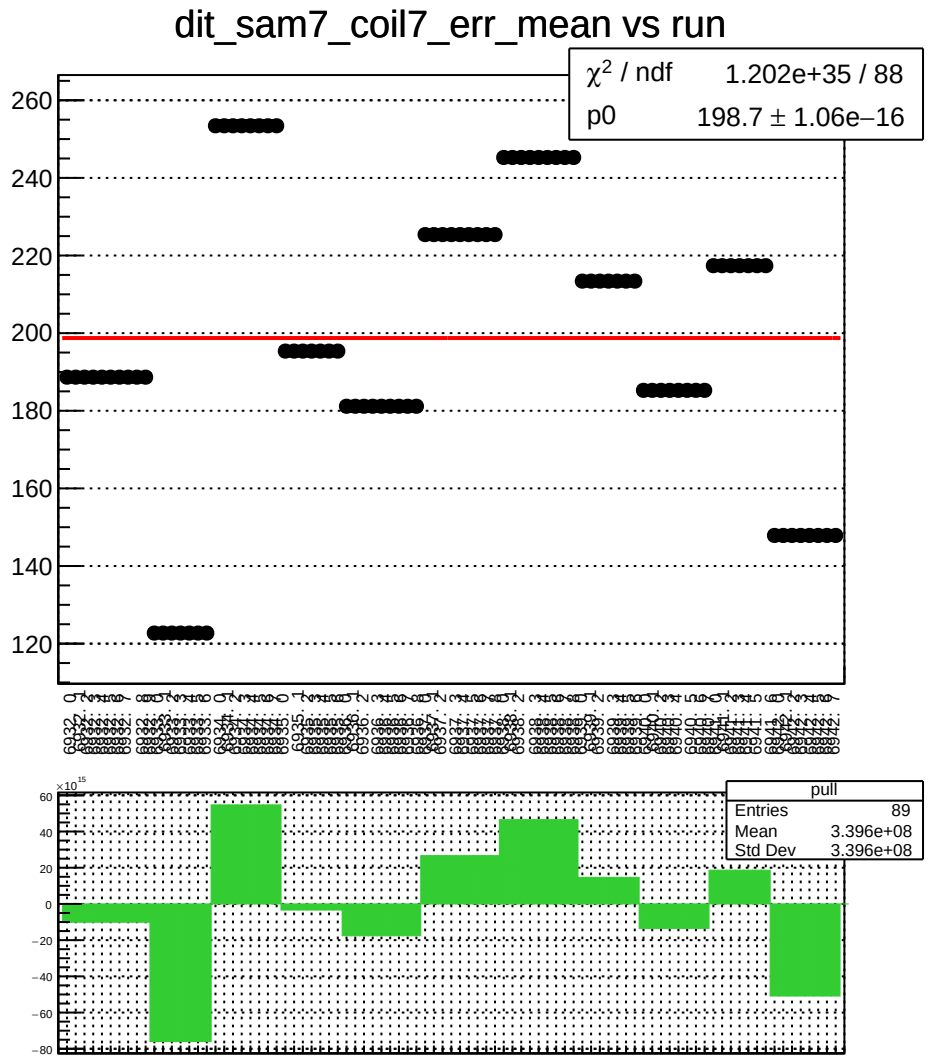

dit_sam6_coil7_mean vs run
χ² / ndf 2.502e+36 / 88
p0 1163 ± 1.06e−16
pull
Entries 89
Mean 7.46e+07
Std Dev 7.46e+07

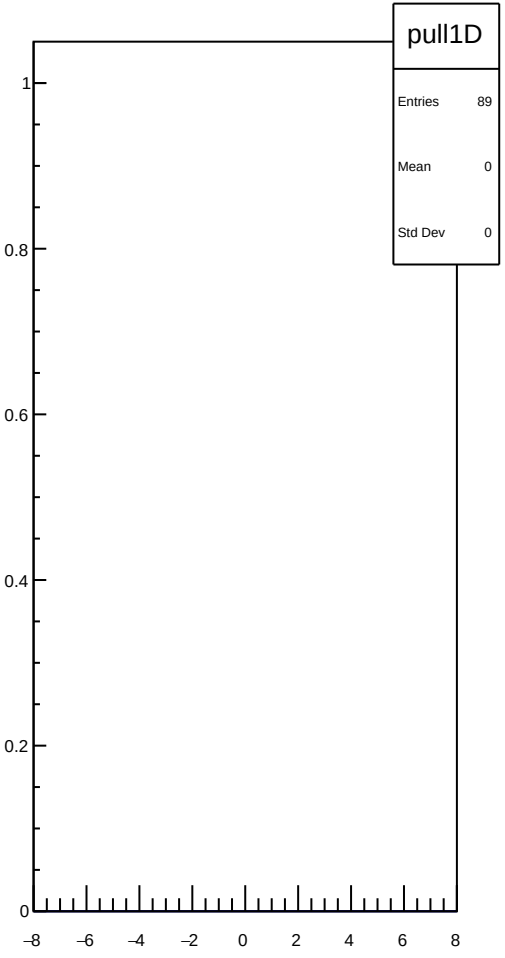

pull1D
Entries 89
Mean 0
Std Dev 0

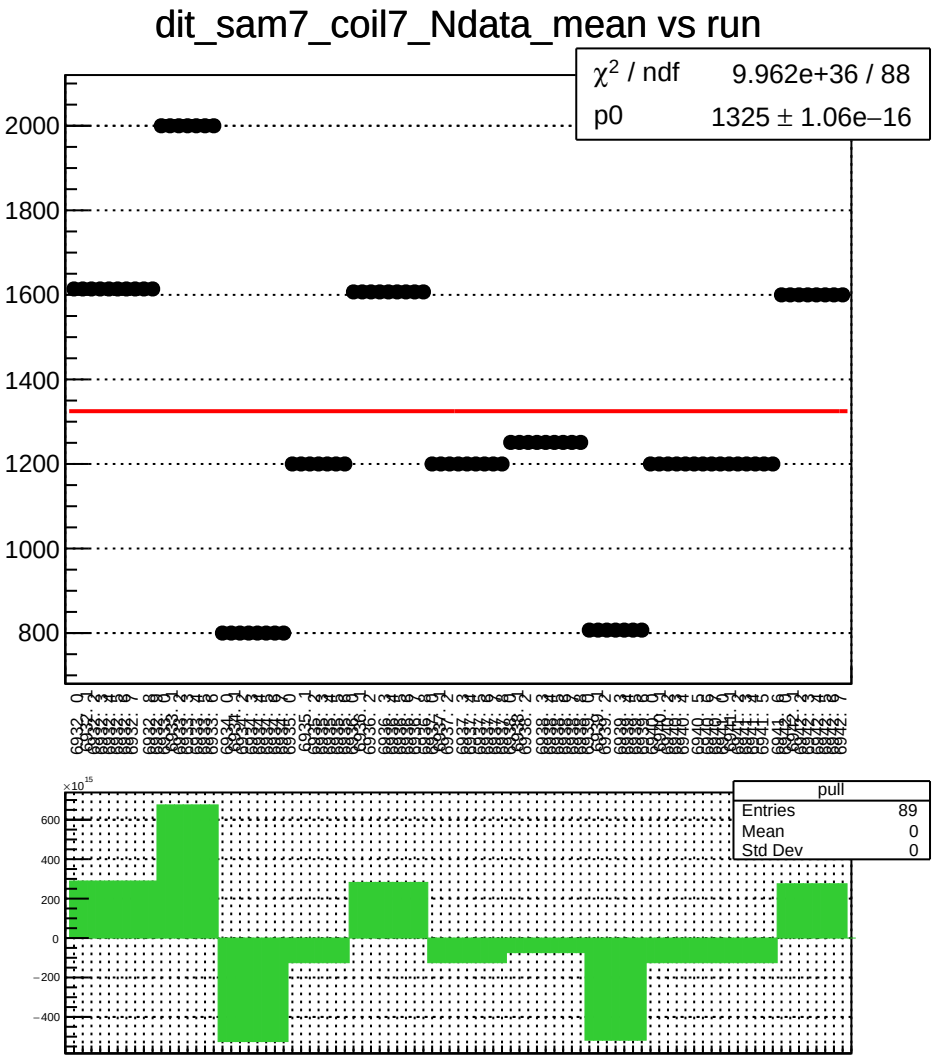

dit_sam6_coil7_err_mean vs run
χ² / ndf 2.32e+35 / 88
p0 355.1± 1.06e−16
450
400
350
300
250
pull
Entries 89
Mean 3.619e+08
Std Dev 3.619e+08
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

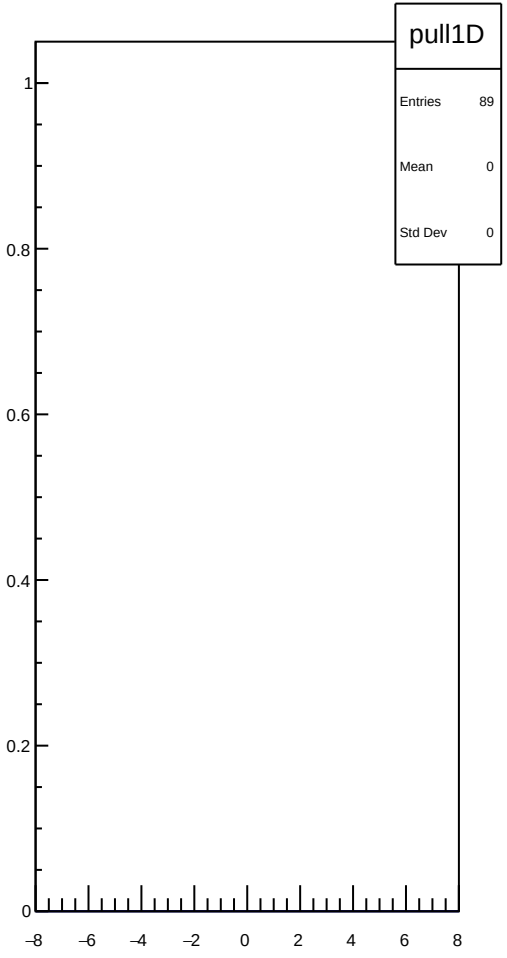

dit_sam6_coil7_Ndata_mean vs run
χ2 / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
×10^15
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

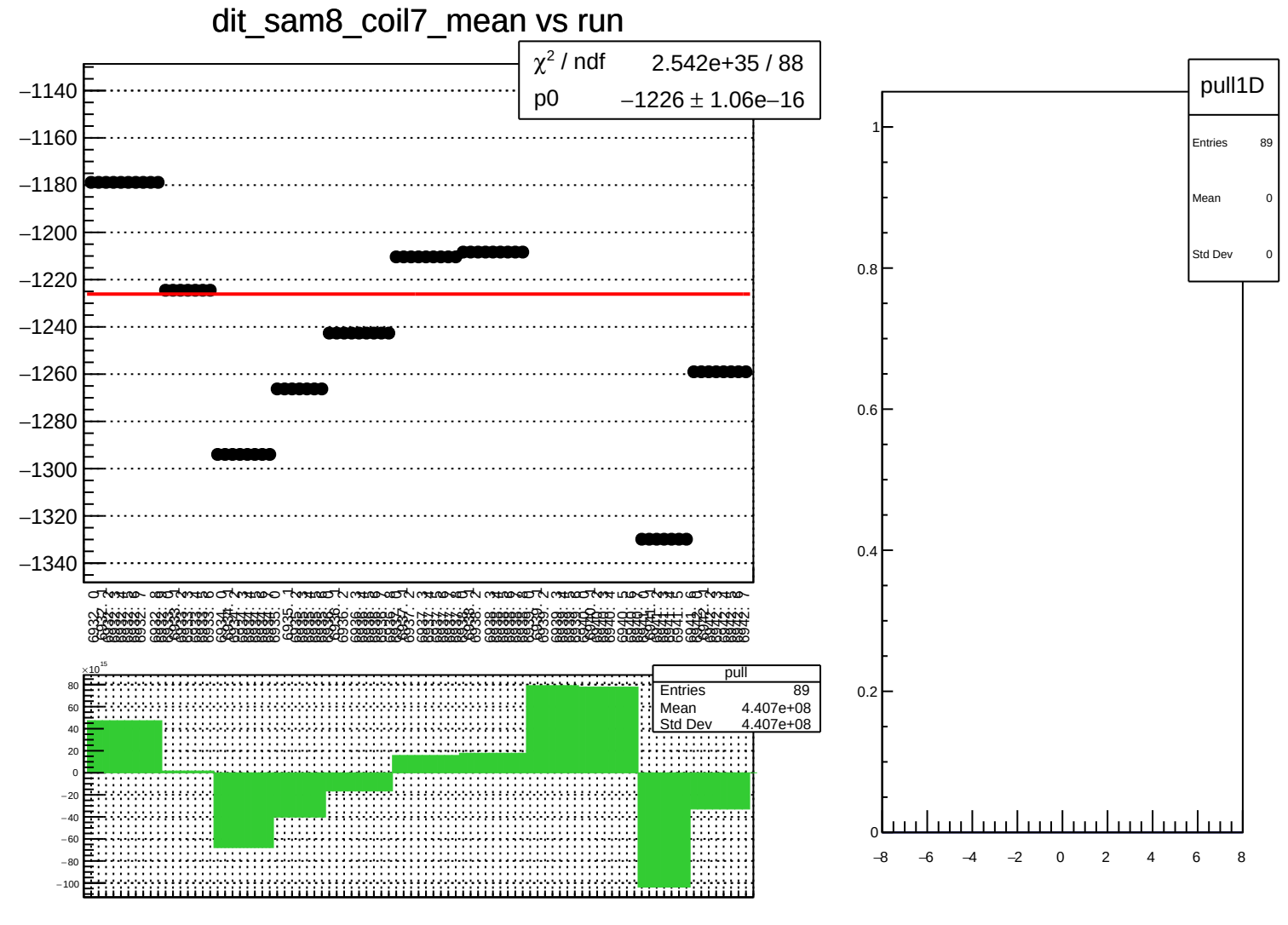

dit_sam7_coil7_mean vs run
χ² / ndf 4.746e+35 / 88
p0 −1623 ± 1.06e−16
−1500
−1550
−1600
−1650
−1700
−1750
pull
Entries 89
Mean −8.053e+08
Std Dev 8.053e+08
×10¹⁵
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

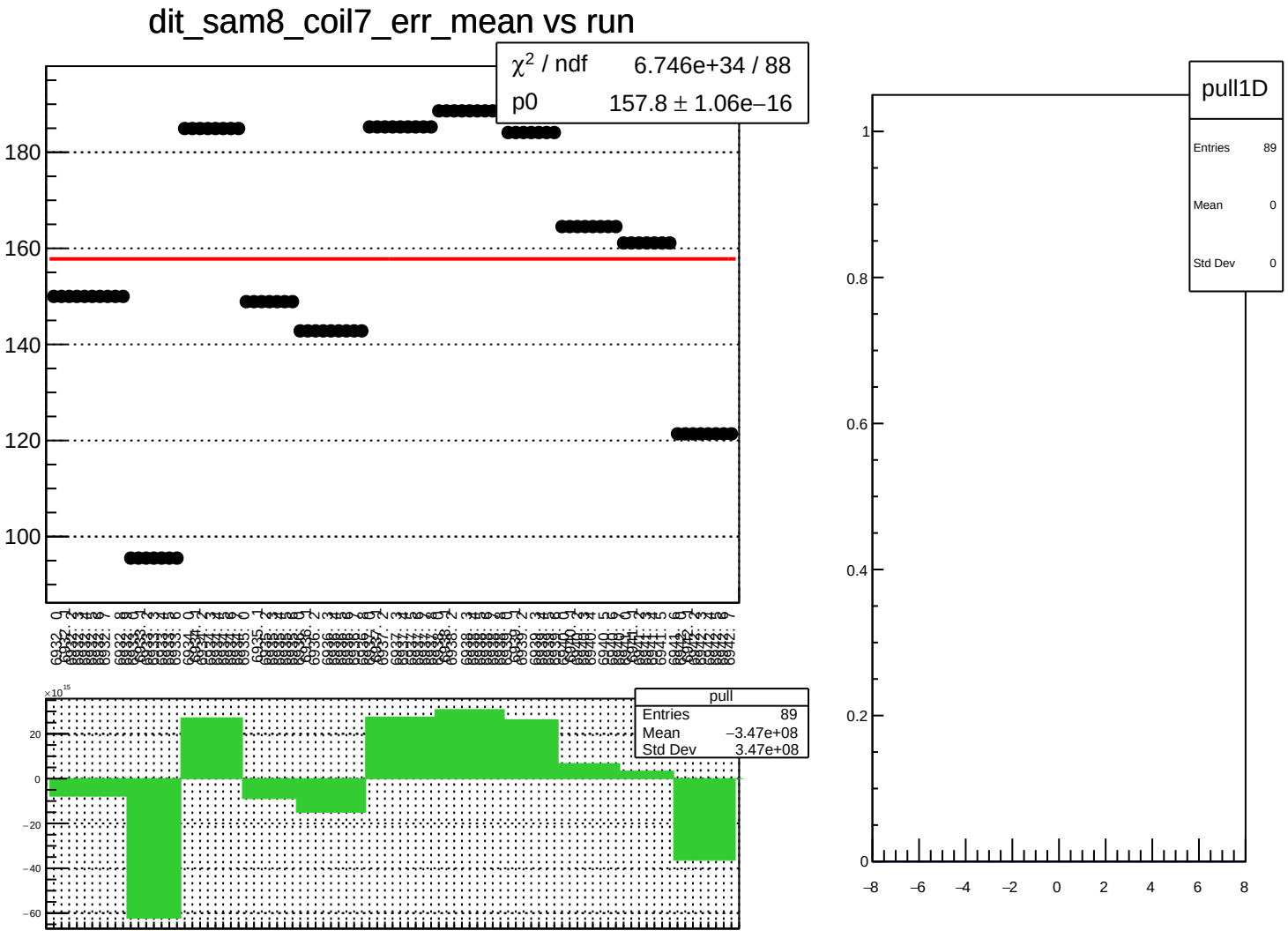

dit_sam7_coil7_err_mean vs run
χ² / ndf 1.202e+35 / 88
p0 198.7 ± 1.06e−16
pull
Entries 89
Mean 3.396e+08
Std Dev 3.396e+08

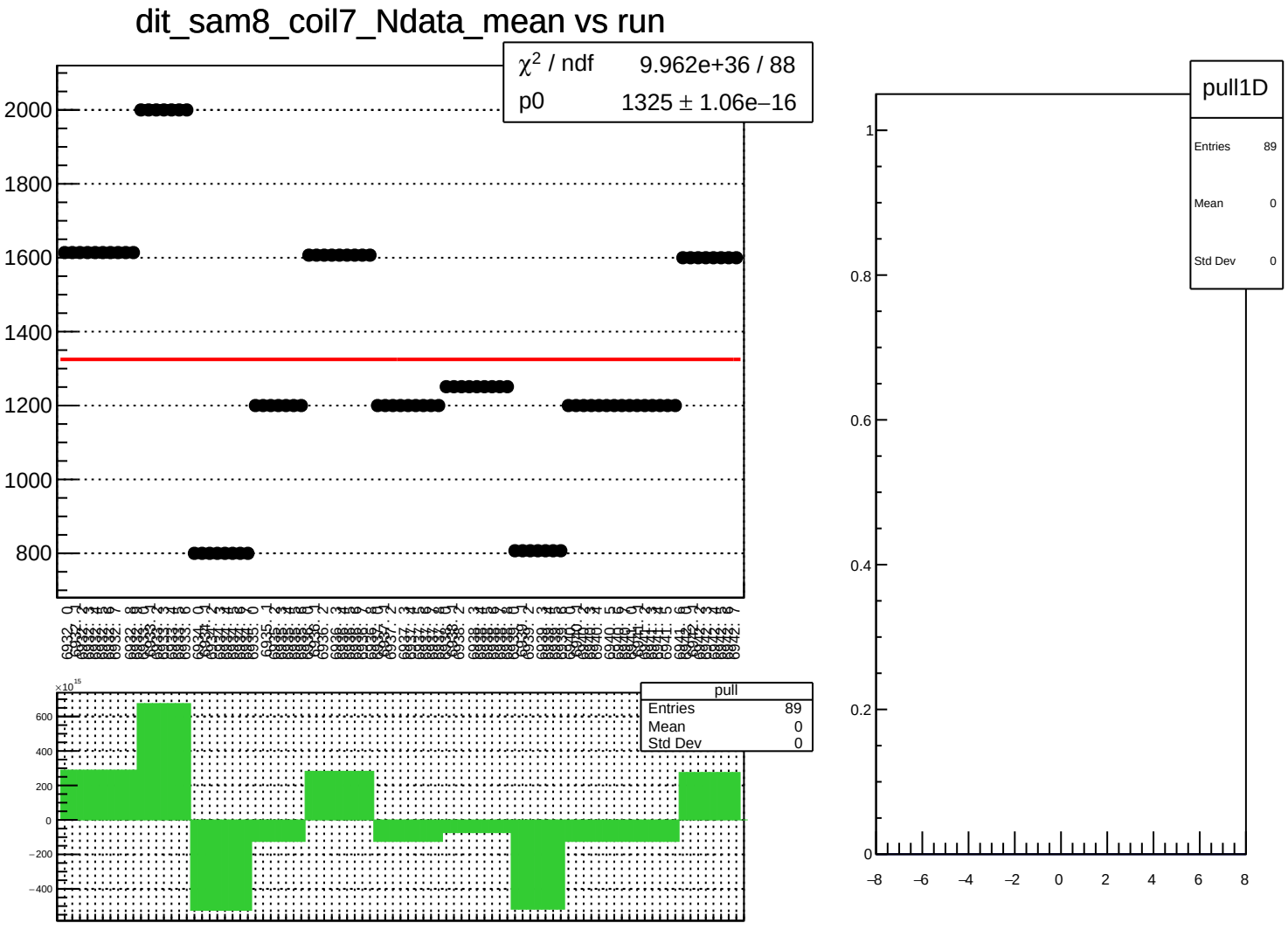

pull1D
Entries 89
Mean 0
Std Dev 0

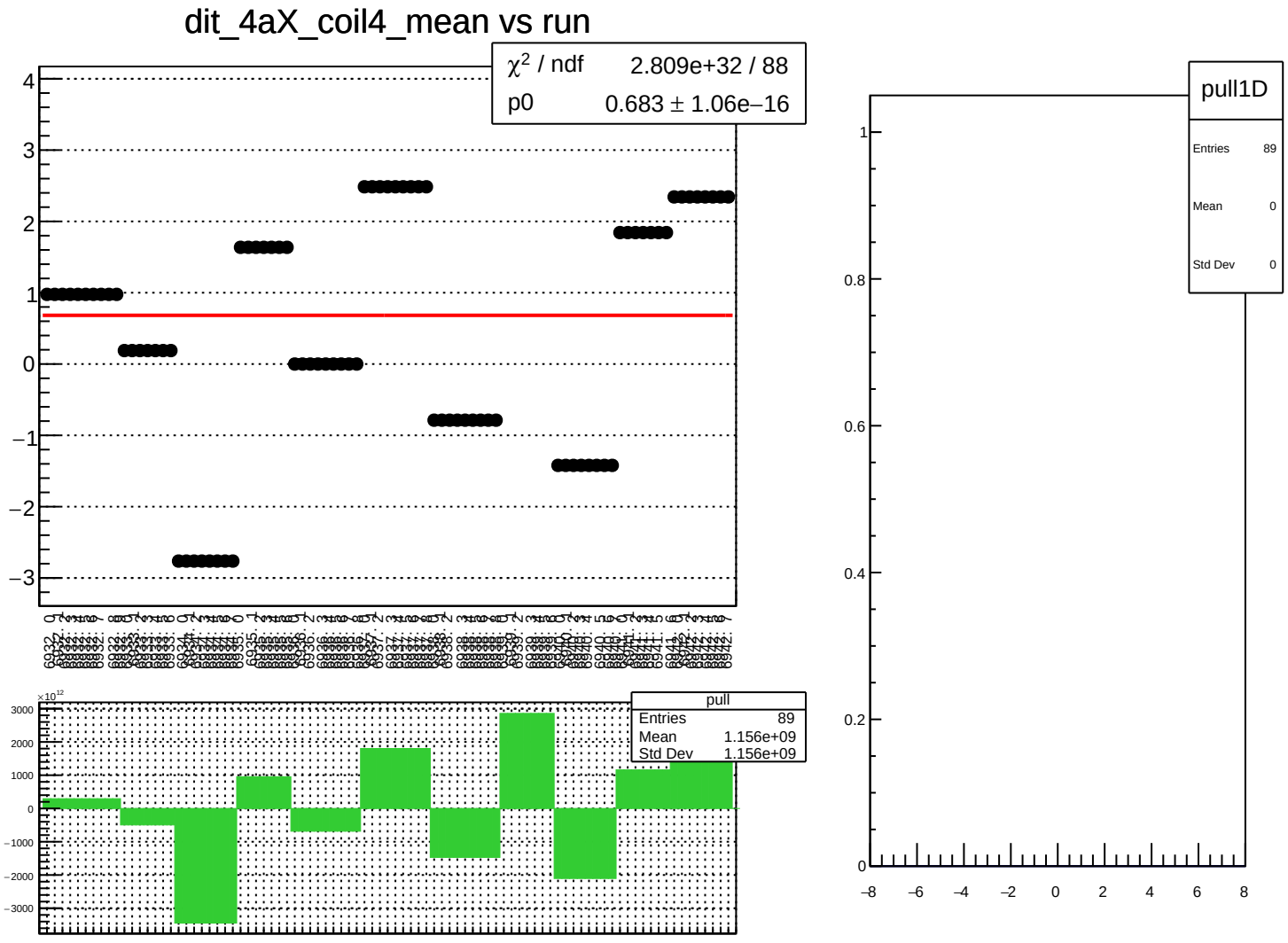

dit_sam7_coil7_Ndata_mean vs run
χ^2 / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
600
400
200
0
−200
−400

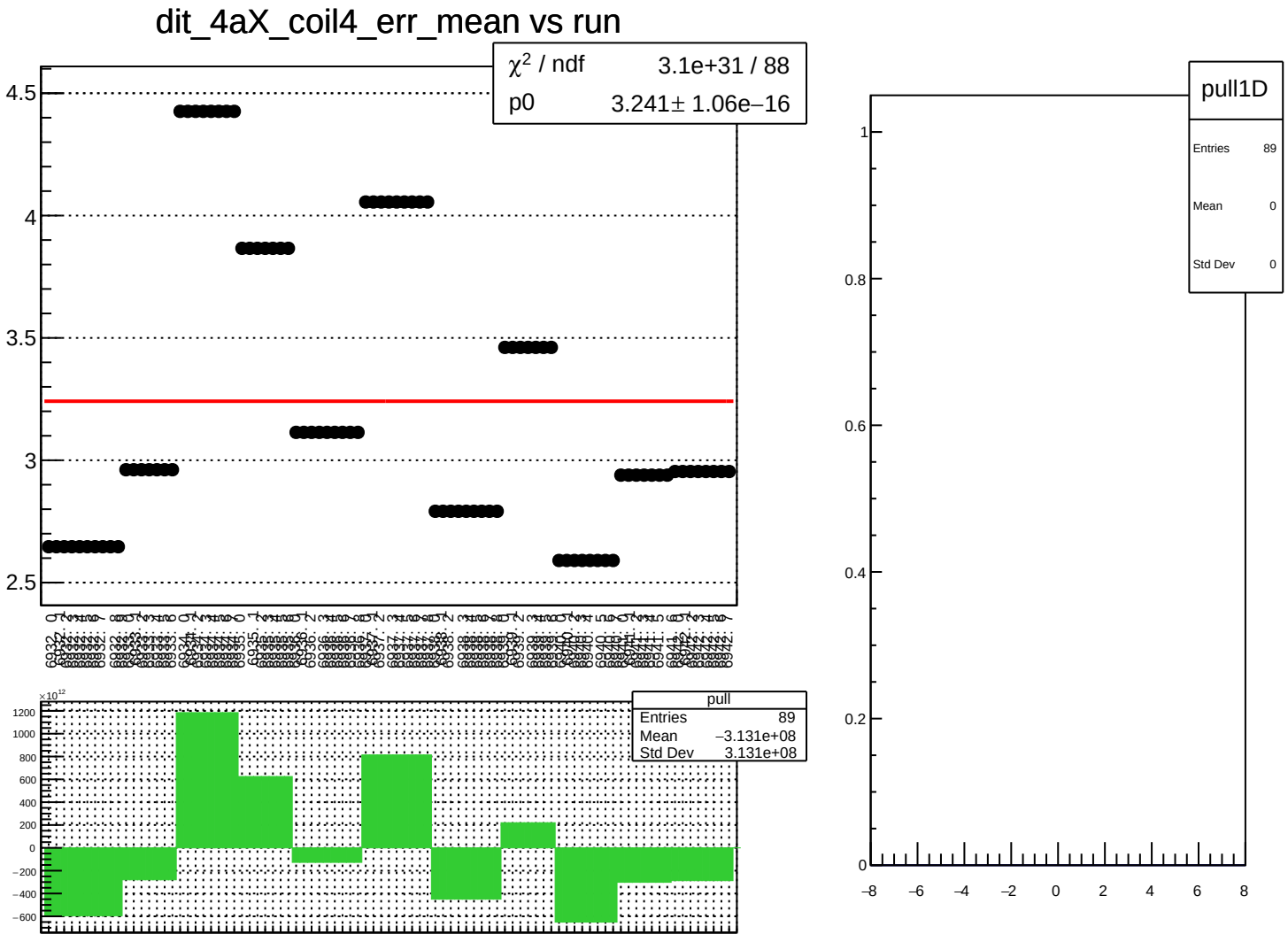

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

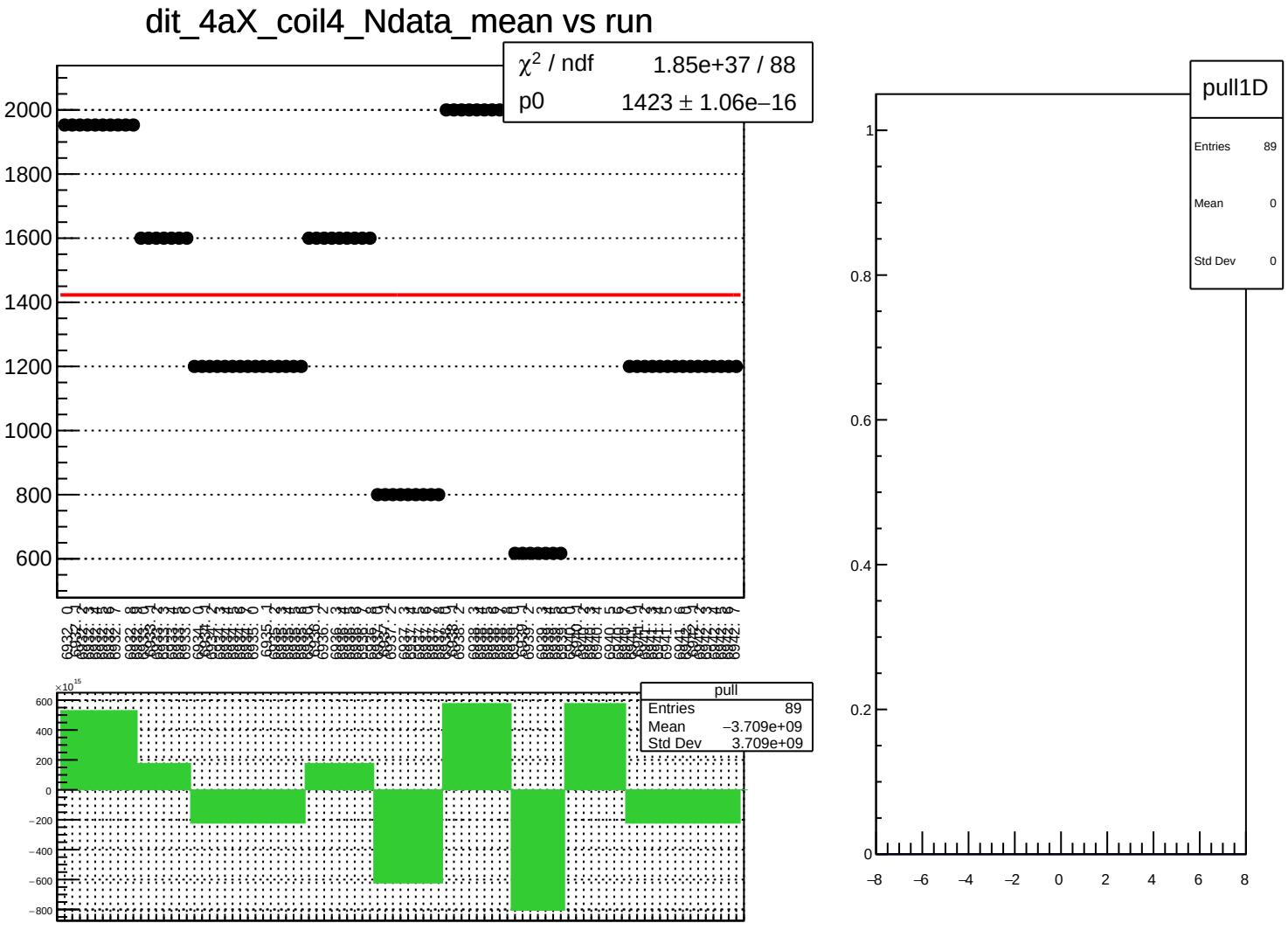

dit_sam8_coil7_mean vs run
χ² / ndf 2.542e+35 / 88
p0 −1226 ± 1.06e−16
pull
Entries 89
Mean 4.407e+08
Std Dev 4.407e+08
pull1D
Entries 89
Mean 0
Std Dev 0


dit_sam8_coil7_err_mean vs run
χ² / ndf 6.746e+34 / 88
p0 157.8 ± 1.06e−16
180
160
140
120
100
pull
Entries 89
Mean −3.47e+08
Std Dev 3.47e+08
×10¹⁵
20
0
−20
−40
−60
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 9.962e+36 / 88
p0 1325 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean 0
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil4_mean vs run
χ² / ndf 2.809e+32 / 88
p0 0.683 ± 1.06e−16
pull
Entries 89
Mean 1.156e+09
Std Dev 1.156e+09
pull1D
Entries 89
Mean 0
Std Dev 0


dit_4aX_coil4_err_mean vs run
χ² / ndf 3.1e+31 / 88
p0 3.241± 1.06e−16
4.5
4
3.5
3
2.5
pull
Entries 89
Mean −3.131e+08
Std Dev 3.131e+08
×10¹²
1200
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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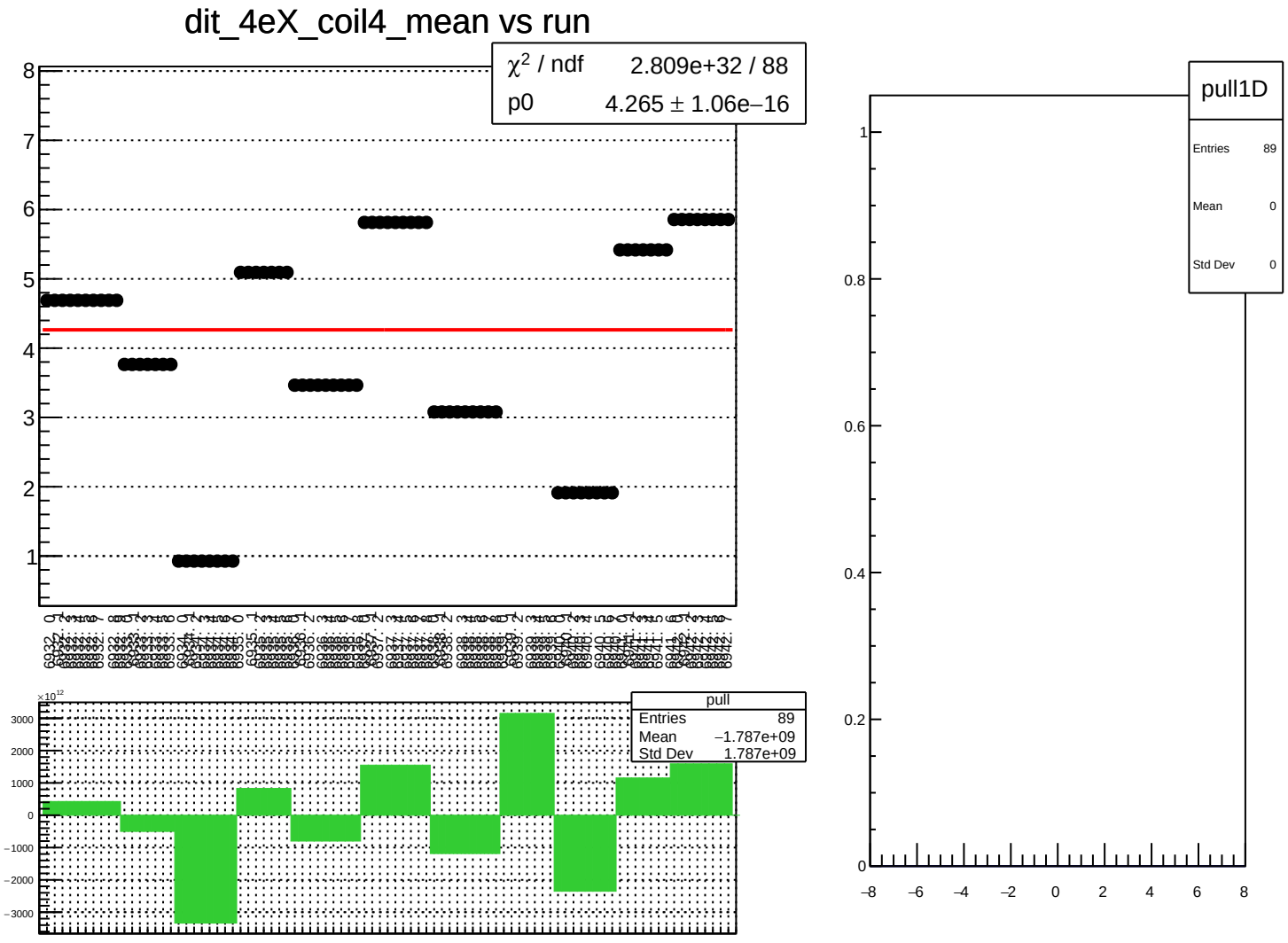
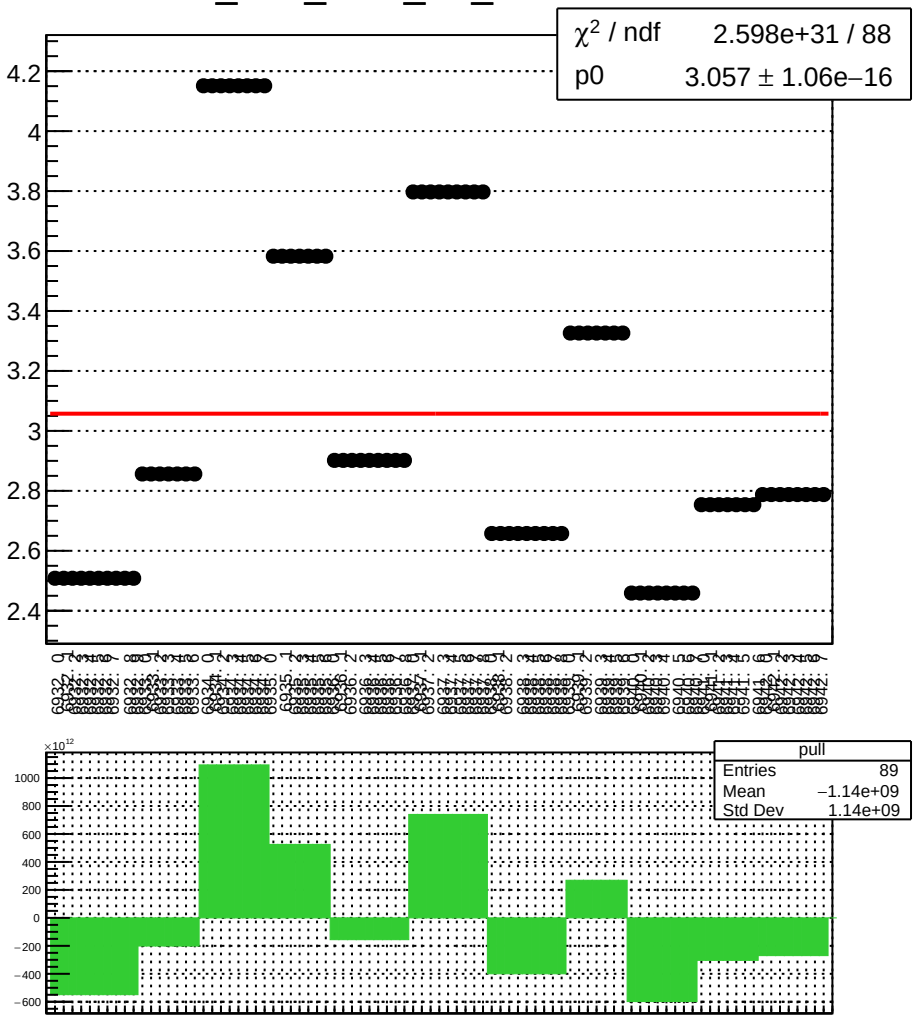
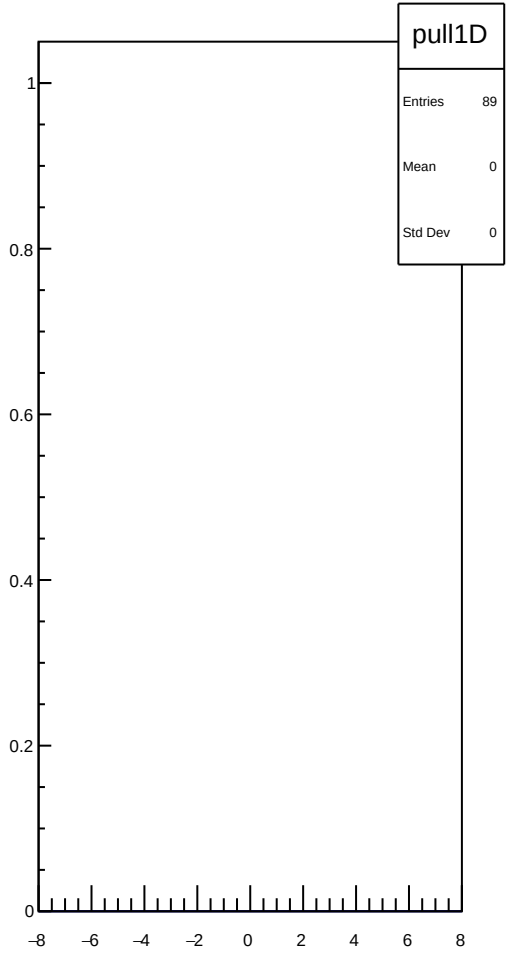
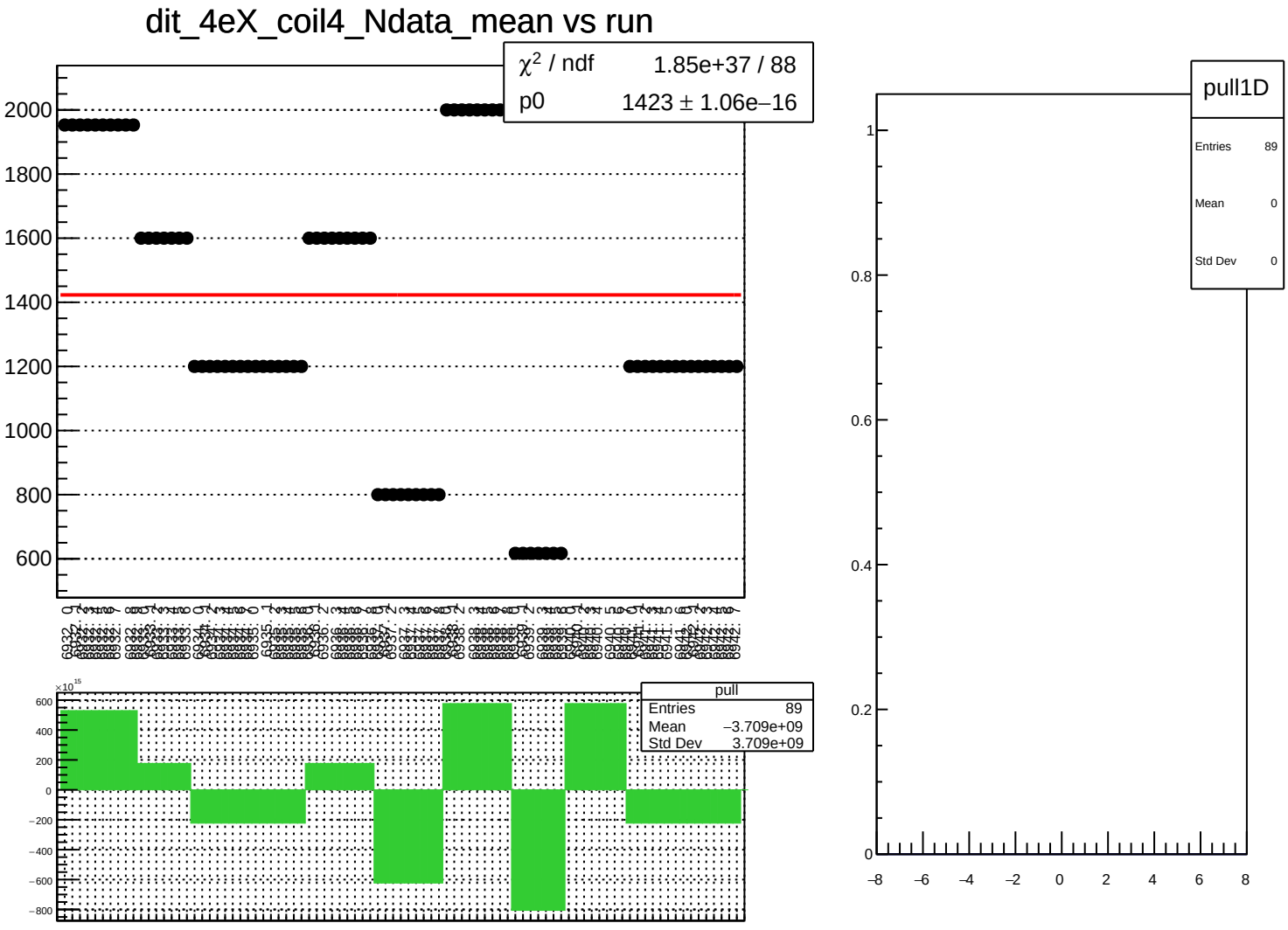
0
2
4
6
8

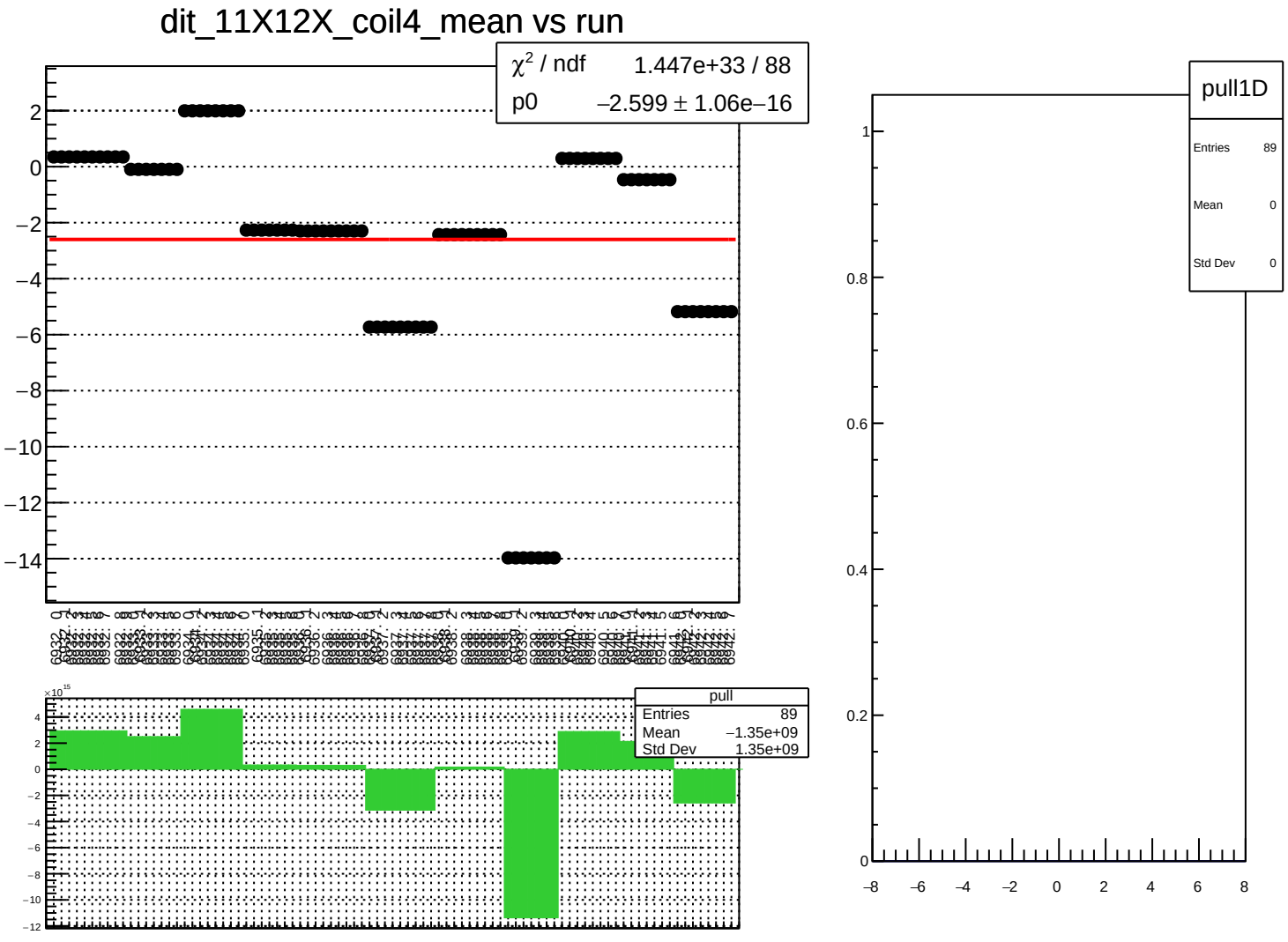

dit_4eX_coil4_mean vs run
χ² / ndf 2.809e+32 / 88
p0 4.265 ± 1.06e−16
pull
Entries 89
Mean −1.787e+09
Std Dev 1.787e+09
pull1D
Entries 89
Mean 0
Std Dev 0

dit_4eX_coil4_err_mean vs run

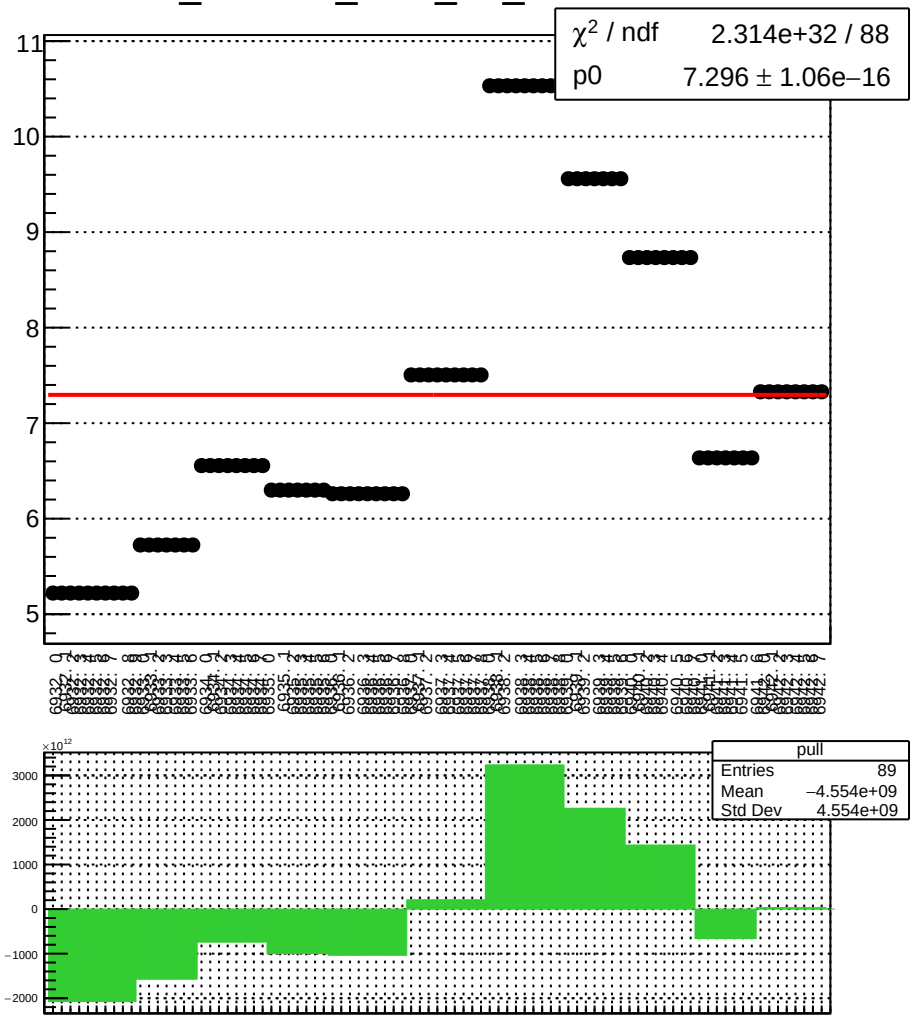


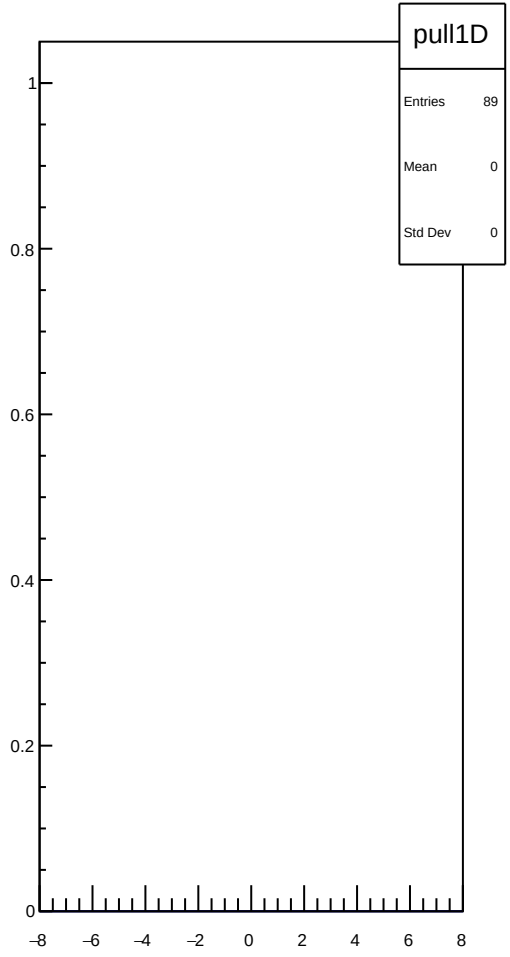


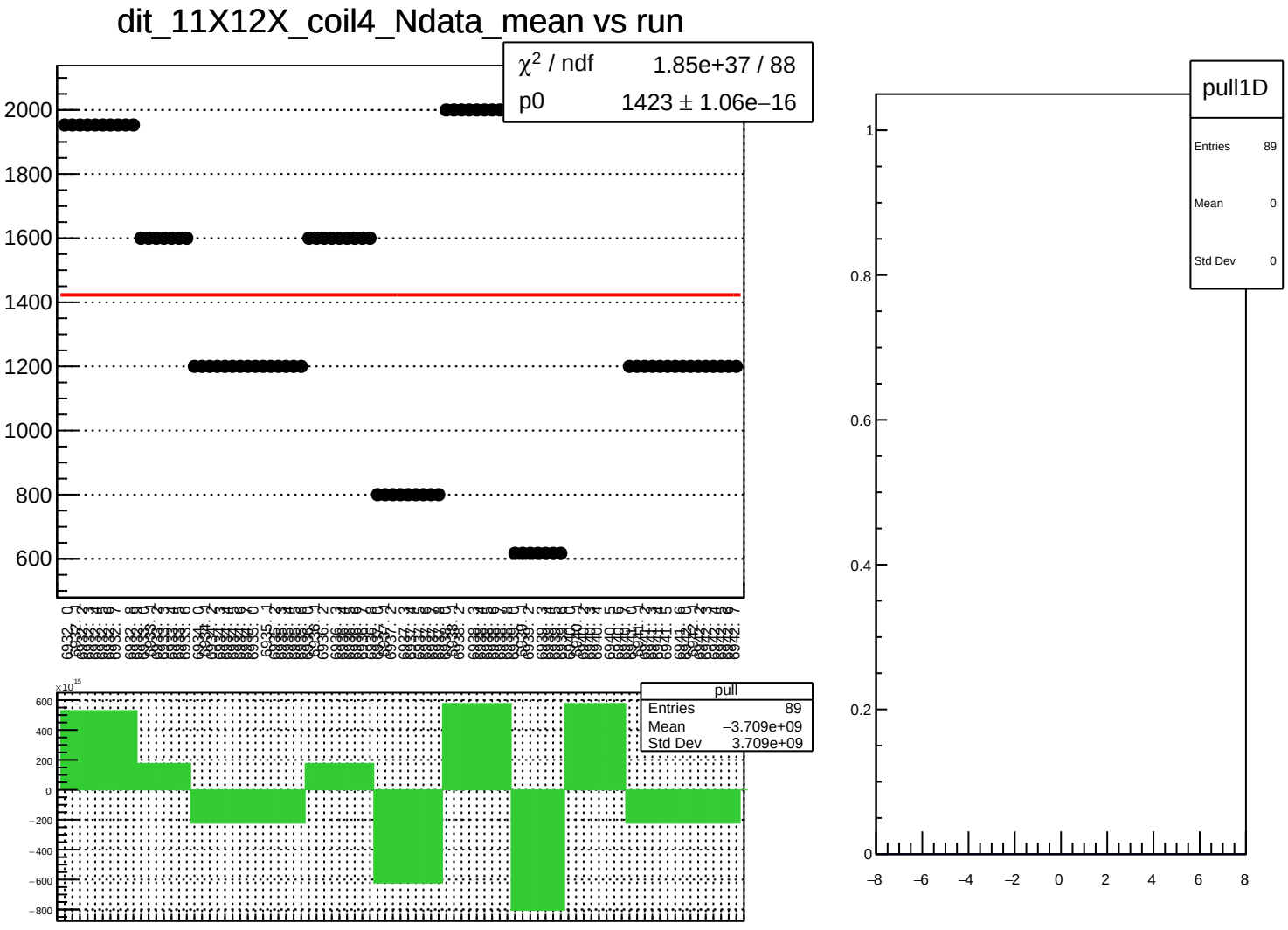

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

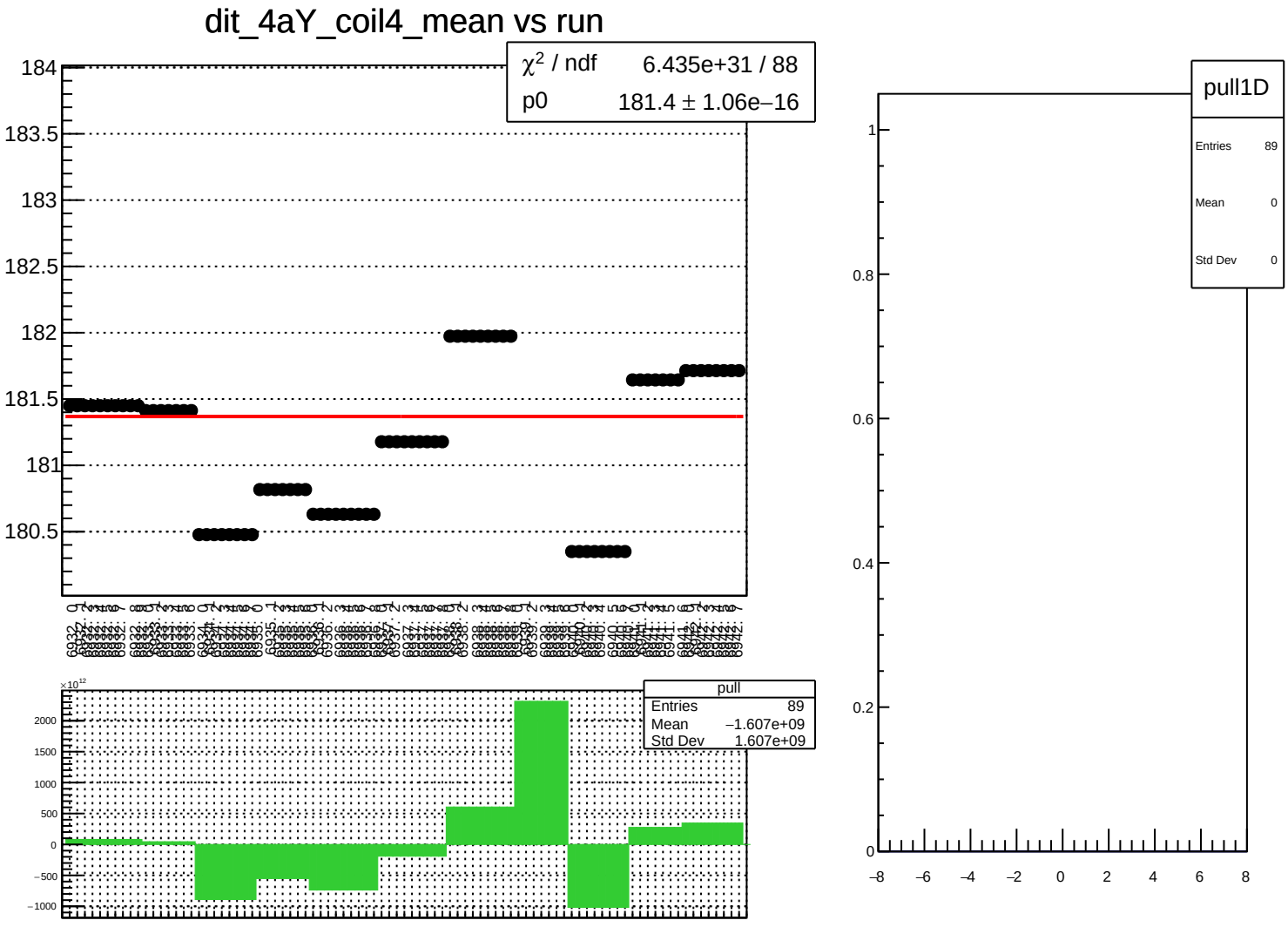

dit_11X12X_coil4_mean vs run
χ² / ndf 1.447e+33 / 88
p0 –2.599 ± 1.06e–16
pull
Entries 89
Mean –1.35e+09
Std Dev 1.35e+09
pull1D
Entries 89
Mean 0
Std Dev 0

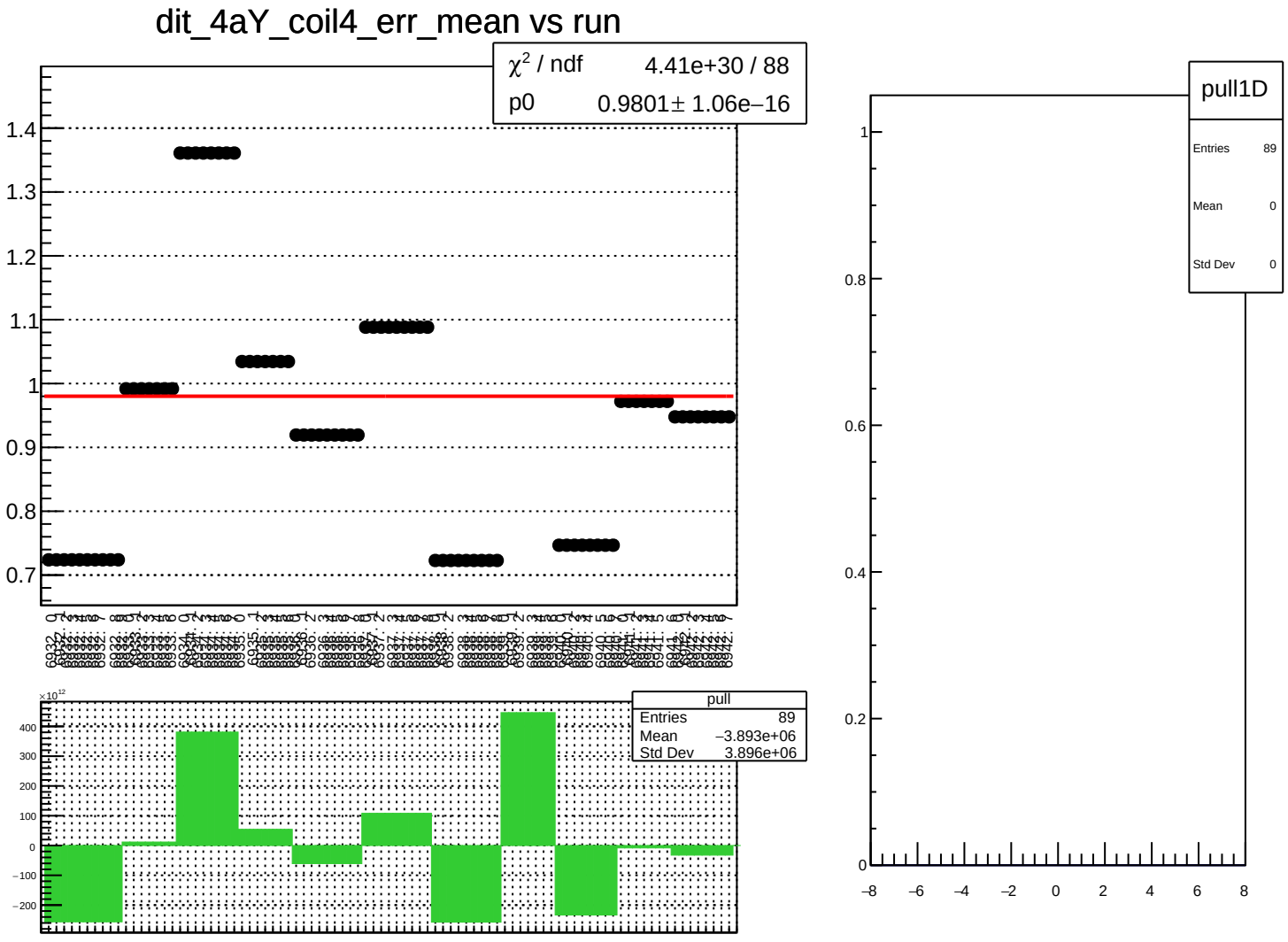
dit_11X12X_coil4_err_mean vs run

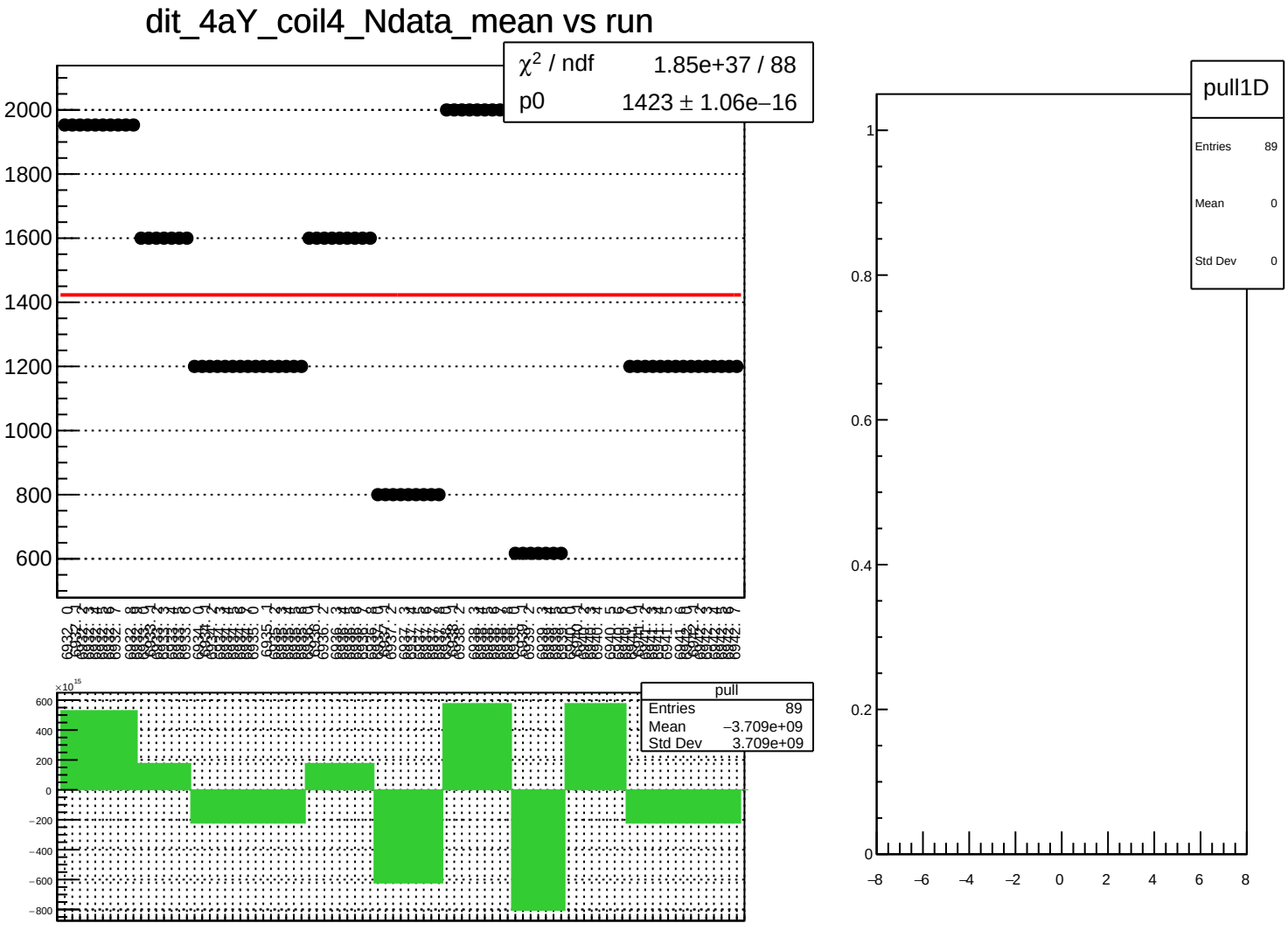


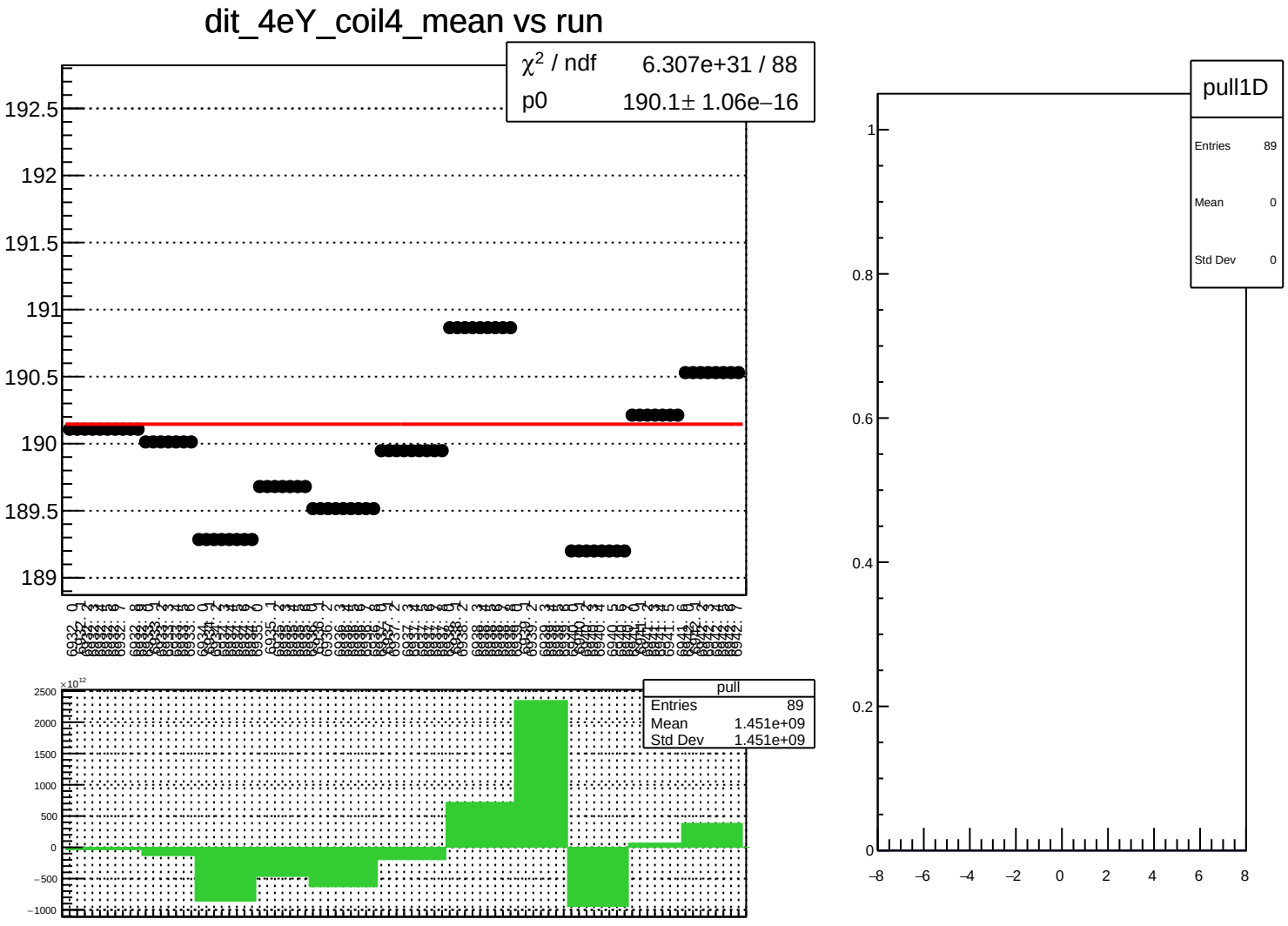


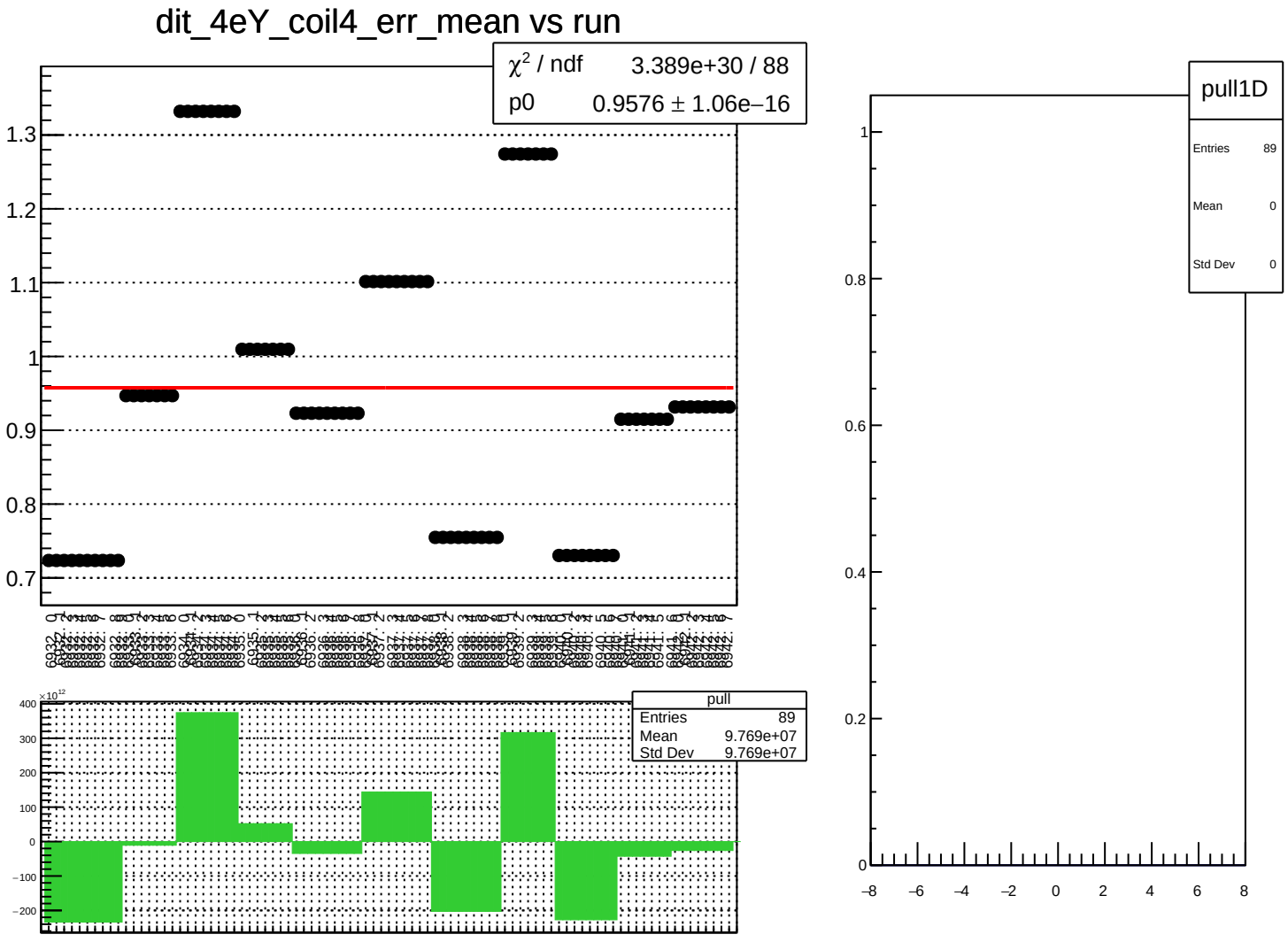

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

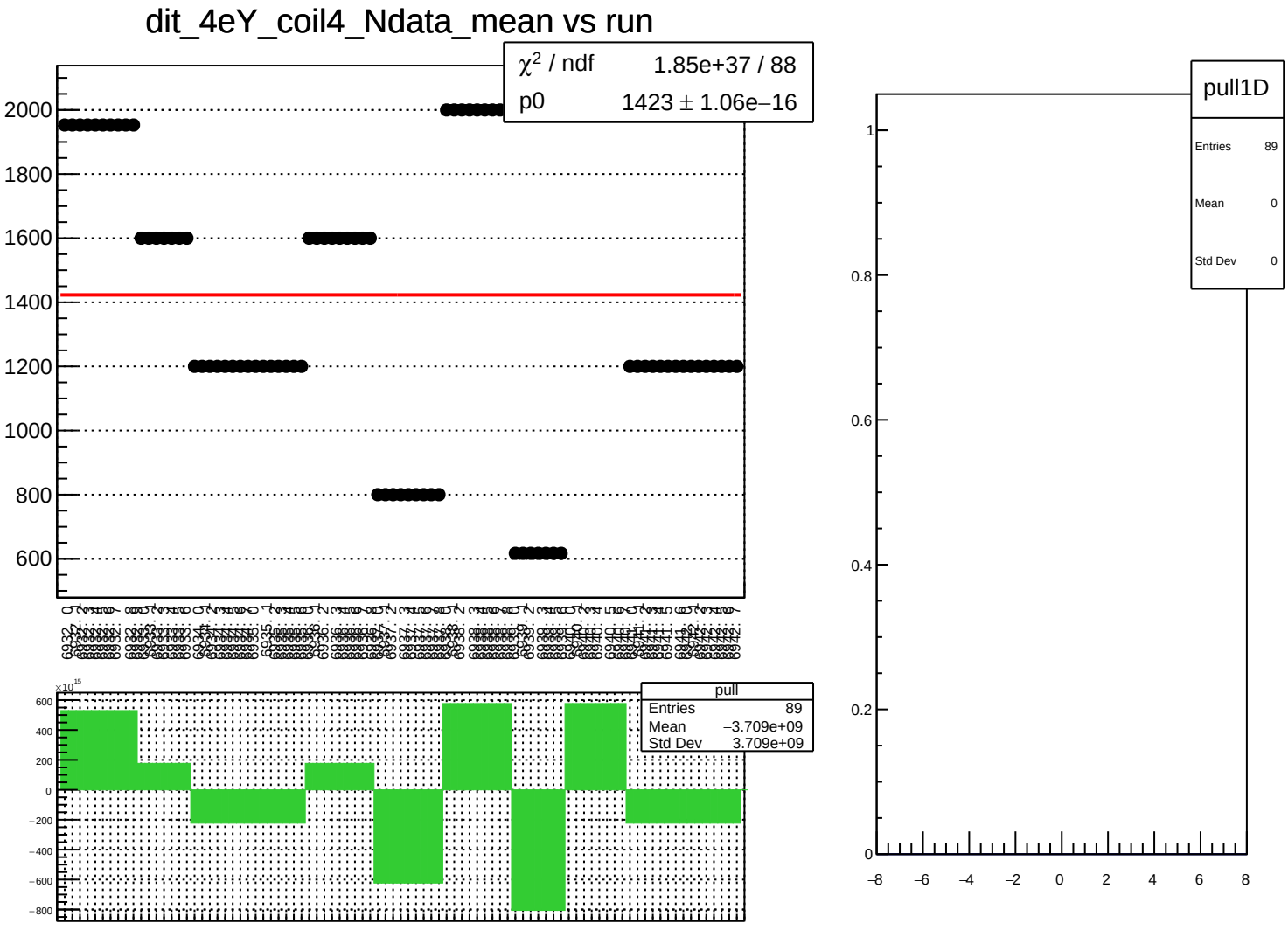

dit_4aY_coil4_mean vs run
χ² / ndf 6.435e+31 / 88
p0 181.4 ± 1.06e−16
184
183.5
183
182.5
182
181.5
181
180.5
pull
Entries 89
Mean −1.607e+09
Std Dev 1.607e+09
×10¹²
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

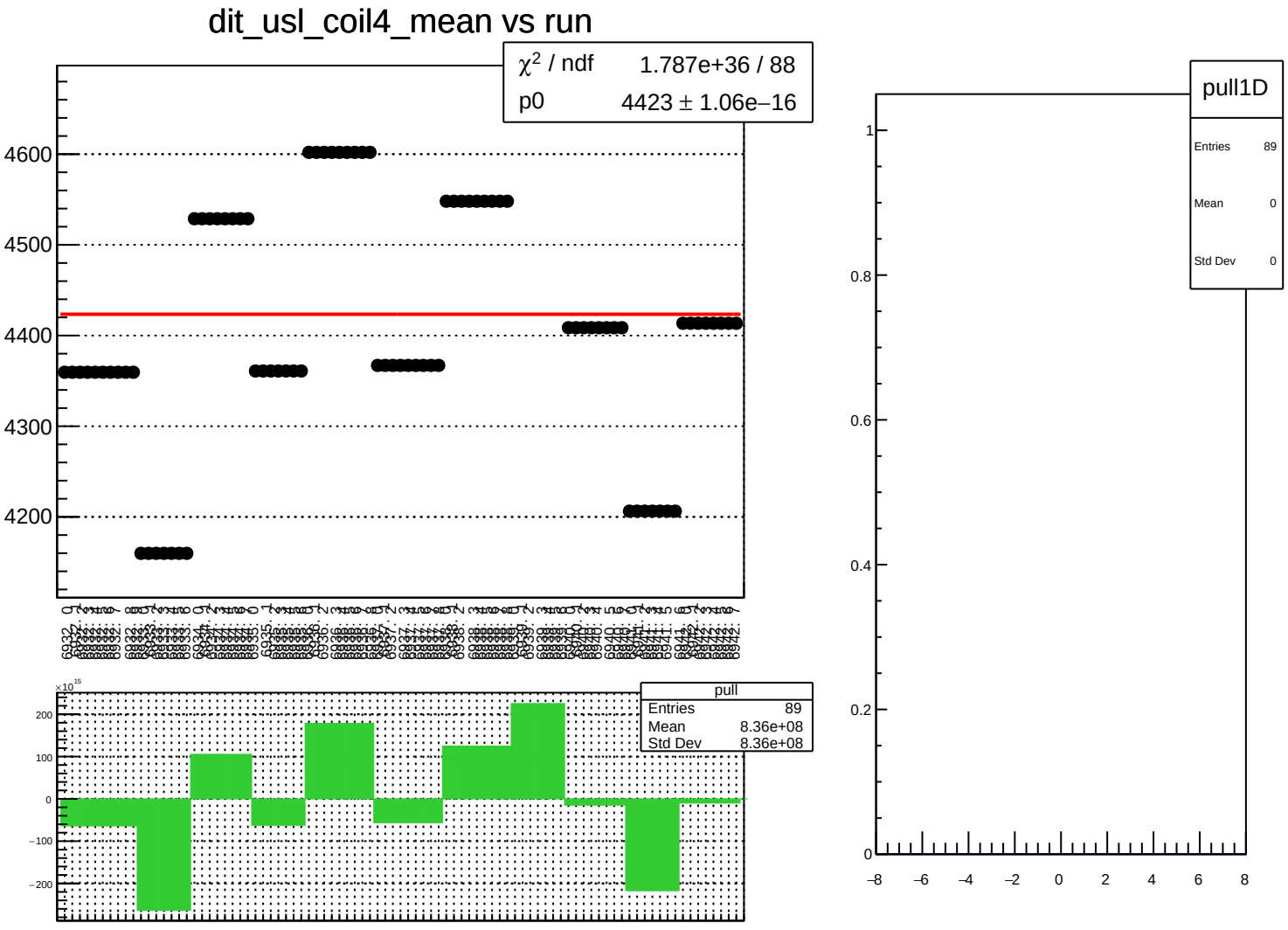

dit_4aY_coil4_err_mean vs run
χ² / ndf 4.41e+30 / 88
p0 0.9801 ± 1.06e−16
pull
Entries 89
Mean −3.893e+06
Std Dev 3.896e+06
pull1D
Entries 89
Mean 0
Std Dev 0

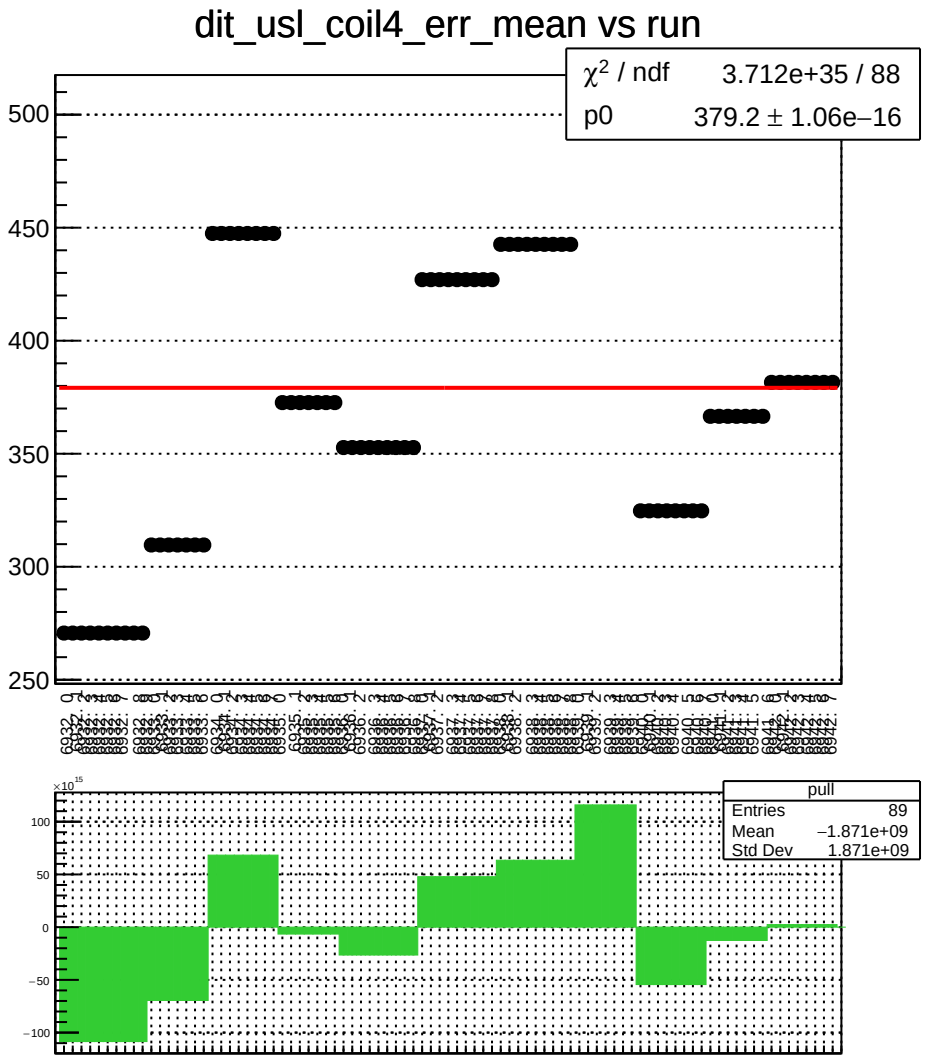

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

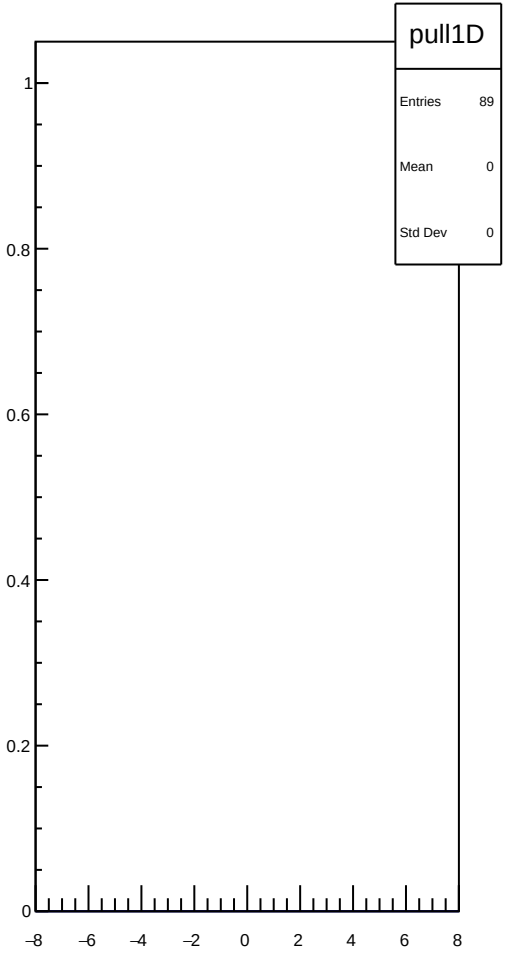

dit_4eY_coil4_mean vs run
χ² / ndf 6.307e+31 / 88
p0 190.1± 1.06e−16
192.5
192
191.5
191
190.5
190
189.5
189
pull
Entries 89
Mean 1.451e+09
Std Dev 1.451e+09
×10¹²
2500
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

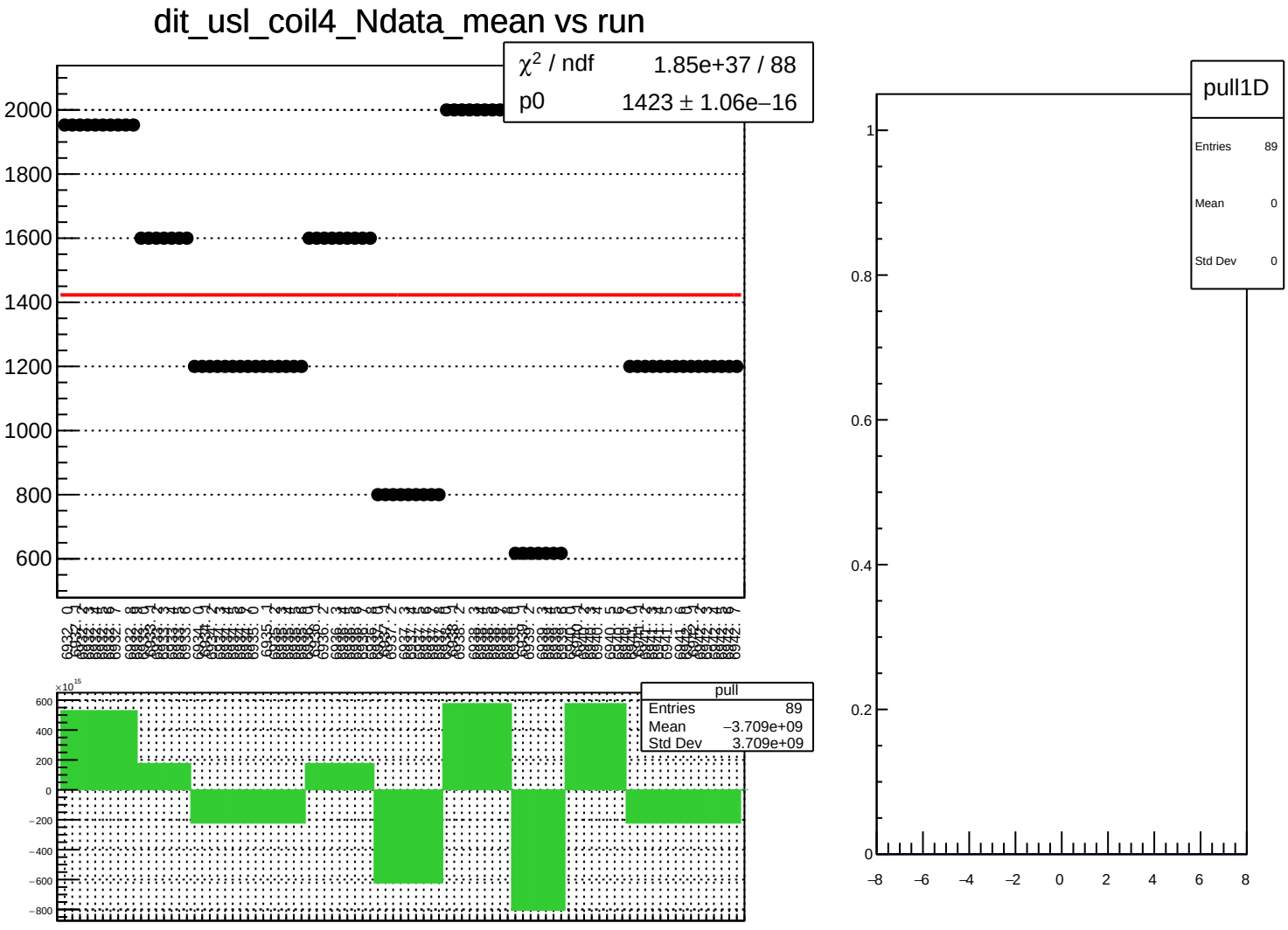

dit_4eY_coil4_err_mean vs run
χ² / ndf 3.389e+30 / 88
p0 0.9576 ± 1.06e−16
pull
Entries 89
Mean 9.769e+07
Std Dev 9.769e+07
pull1D
Entries 89
Mean 0
Std Dev 0

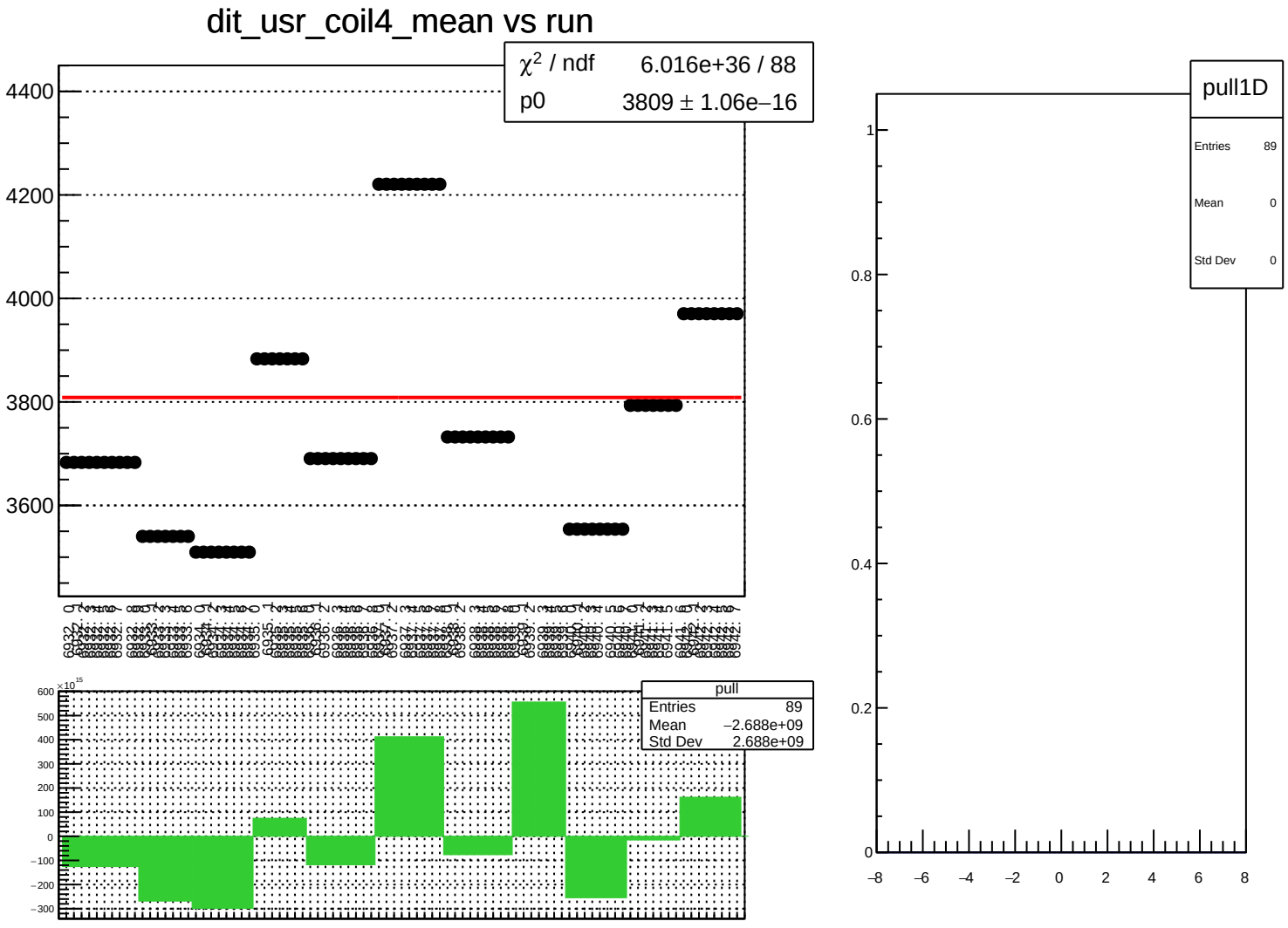

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

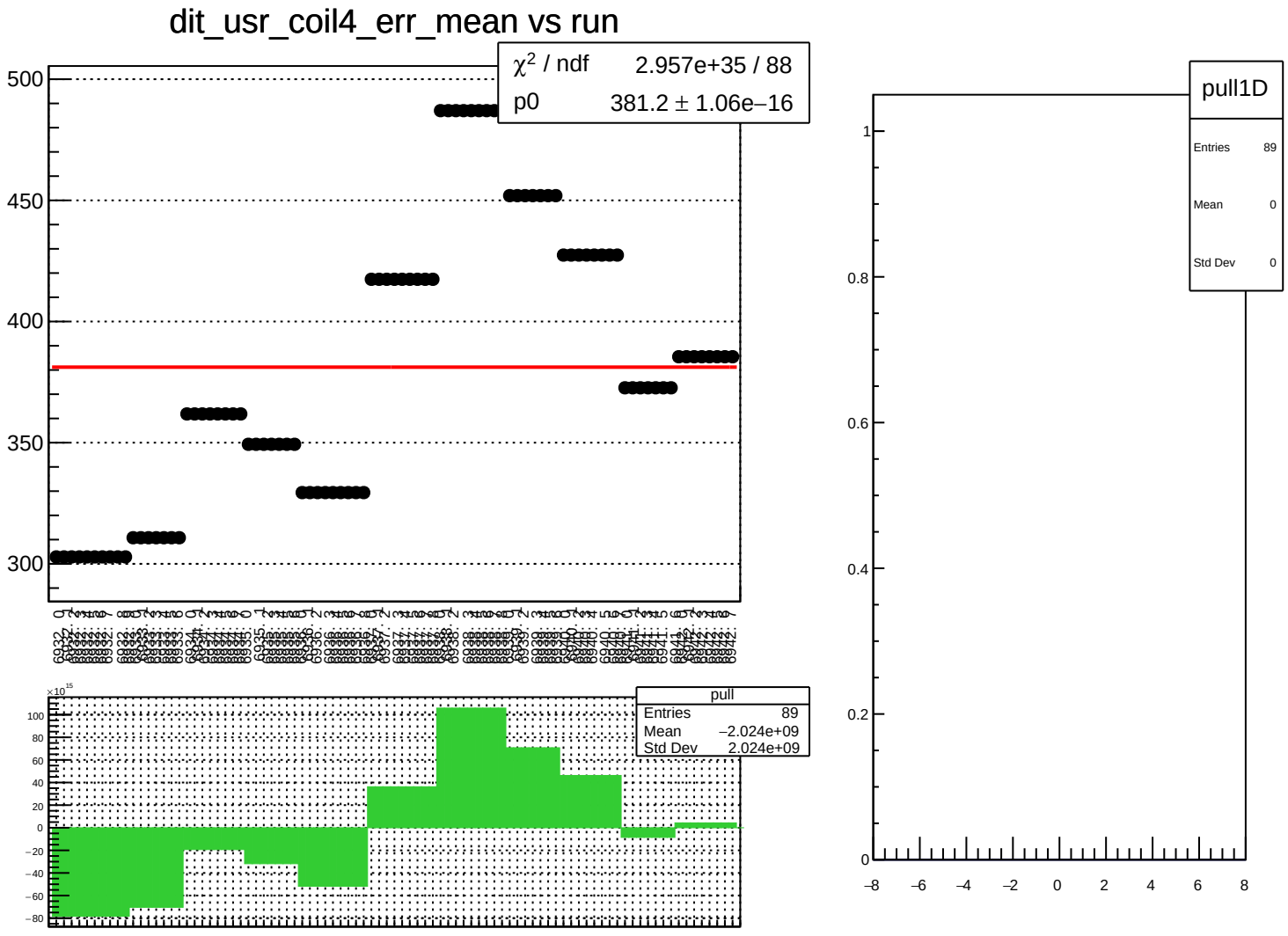

dit_usl_coil4_mean vs run
χ² / ndf 1.787e+36 / 88
p0 4423 ± 1.06e−16
4600
4500
4400
4300
4200
pull
Entries 89
Mean 8.36e+08
Std Dev 8.36e+08
×10¹⁵
200
100
0
−100
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

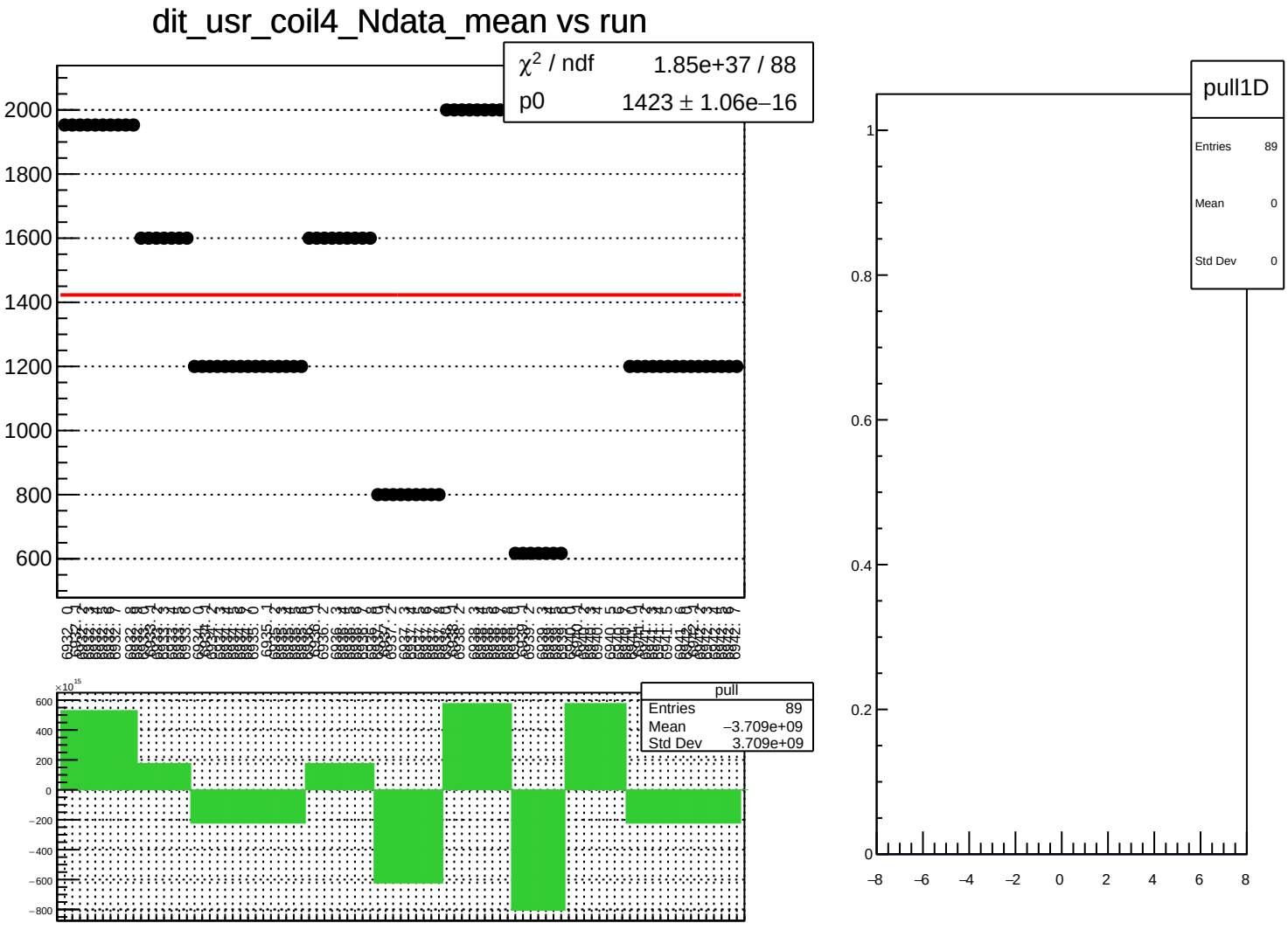

dit_usl_coil4_err_mean vs run
χ² / ndf 3.712e+35 / 88
p0 379.2 ± 1.06e−16
500
450
400
350
300
250
pull
Entries 89
Mean −1.871e+09
Std Dev 1.871e+09
×10¹⁵
100
50
0
−50
−100

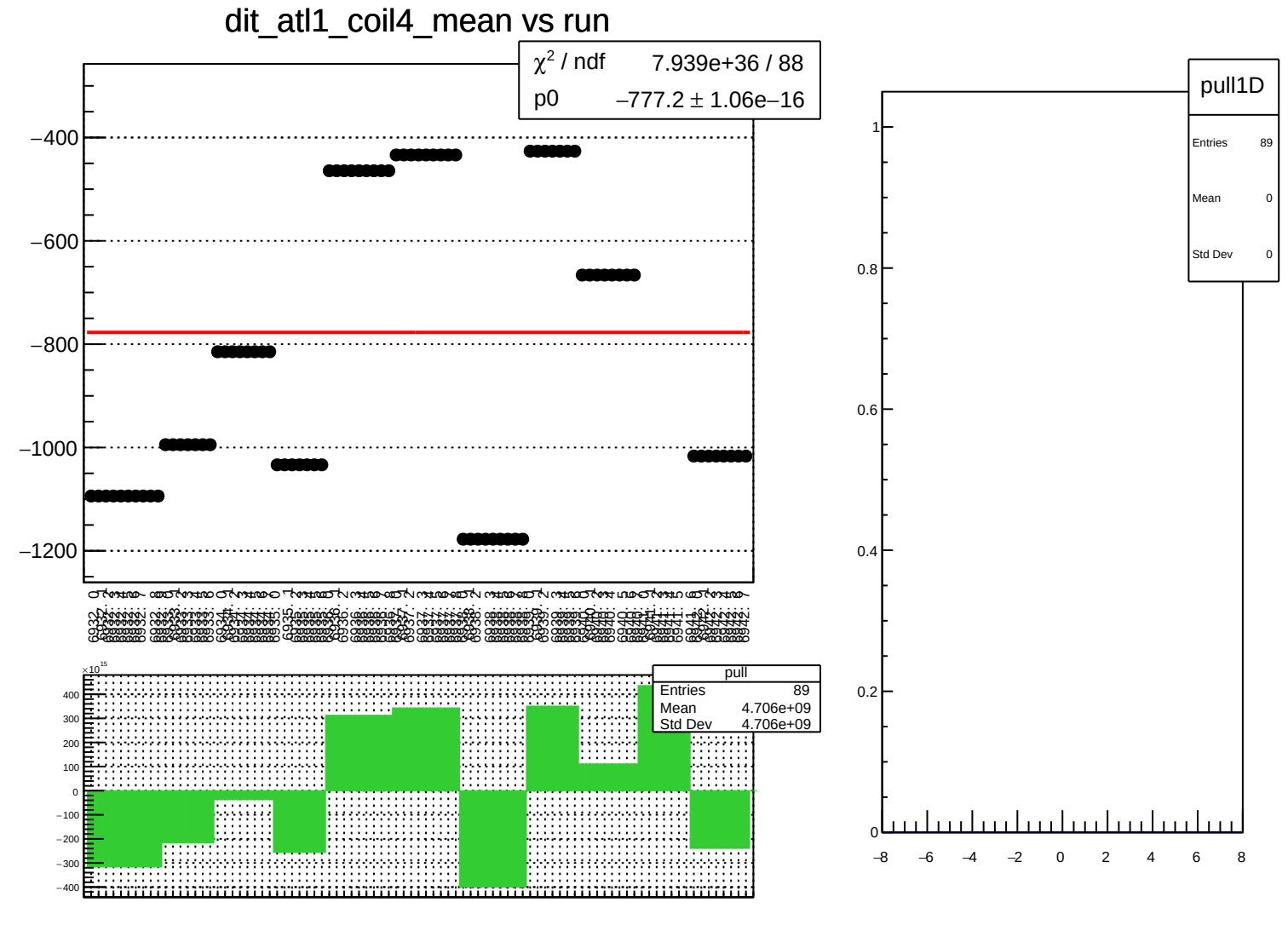

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

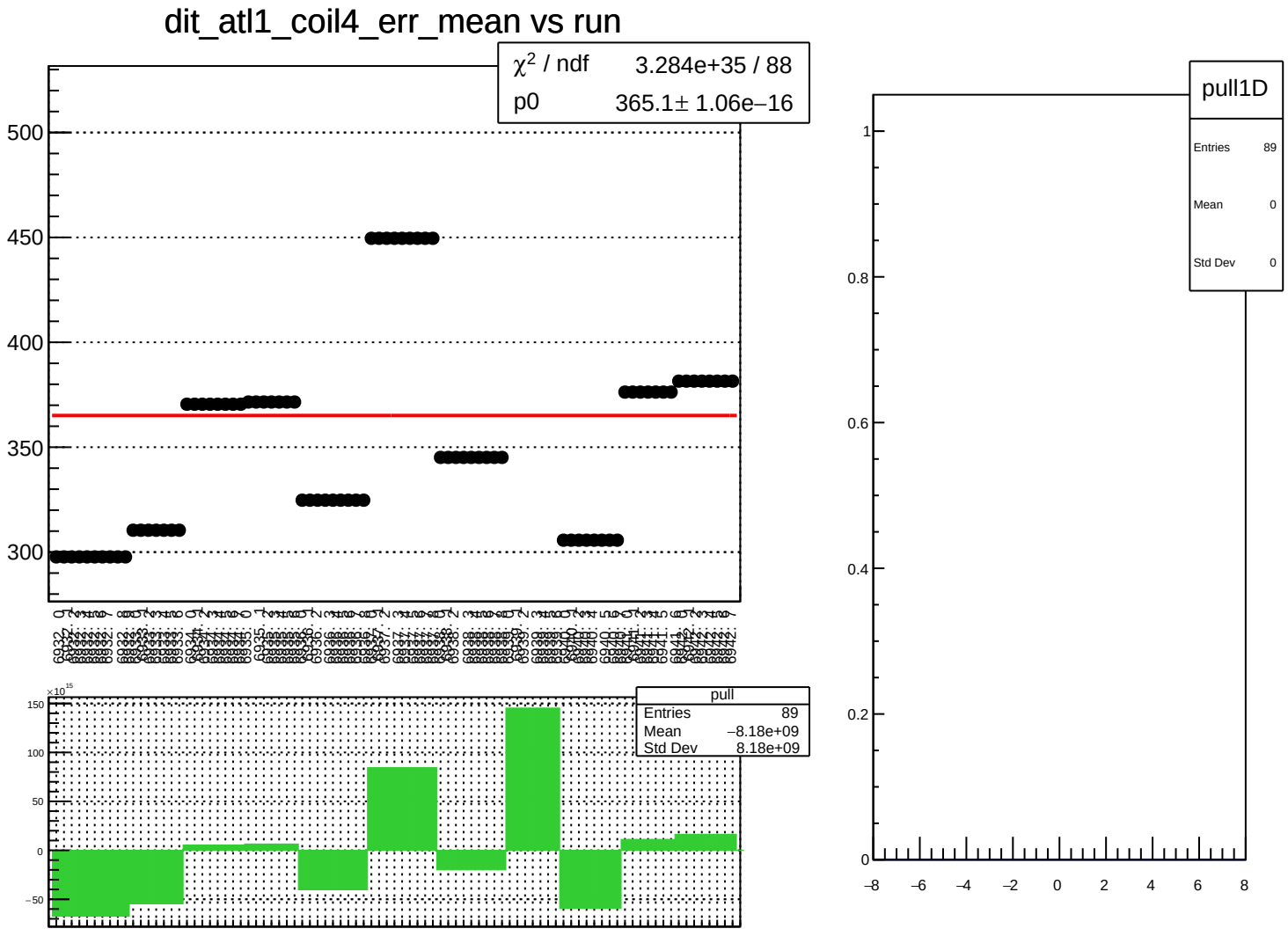

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

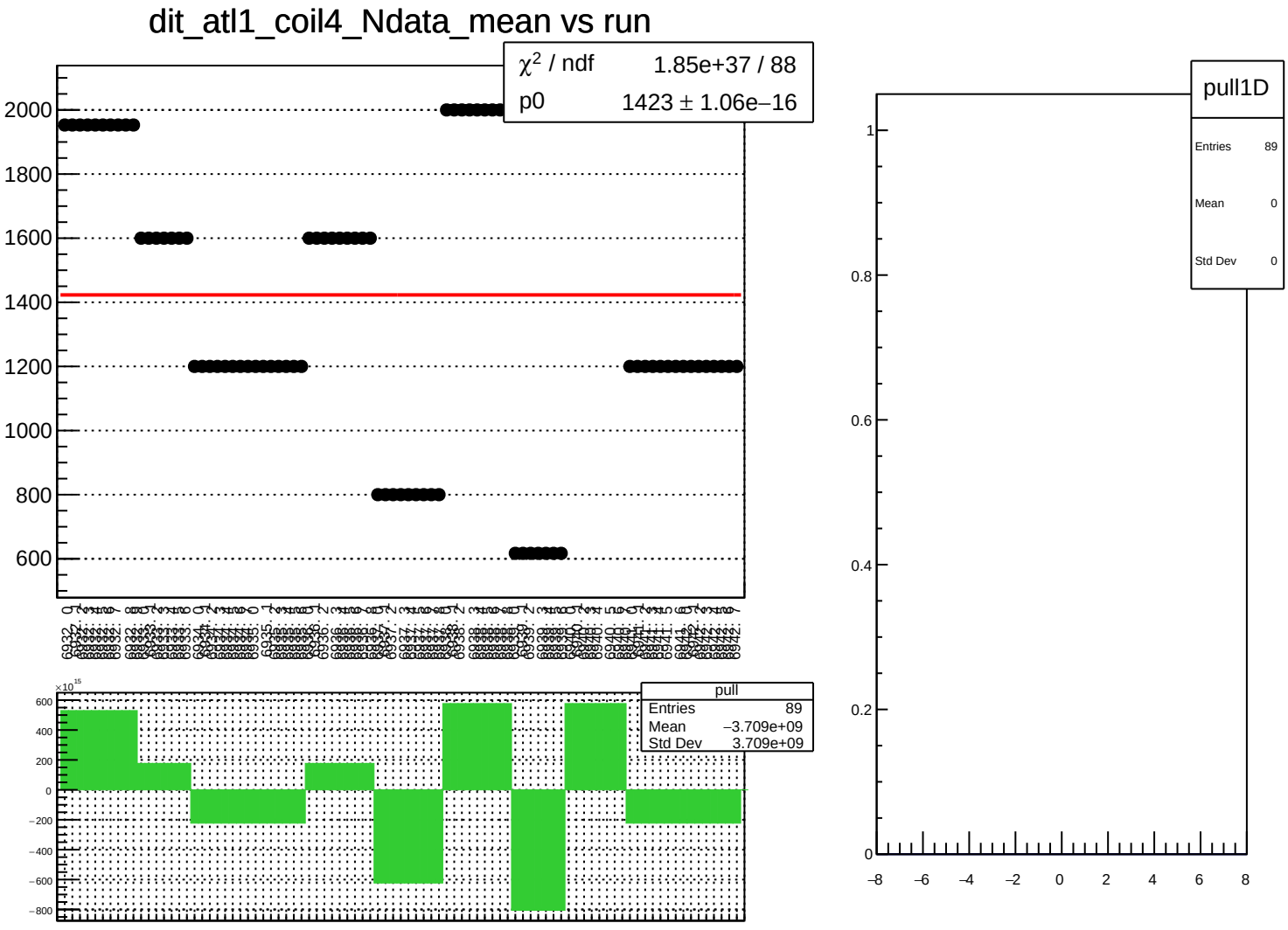

dit_usr_coil4_mean vs run
χ² / ndf 6.016e+36 / 88
p0 3809 ± 1.06e−16
4400
4200
4000
3800
3600
pull
Entries 89
Mean −2.688e+09
Std Dev 2.688e+09
×10^15
600
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

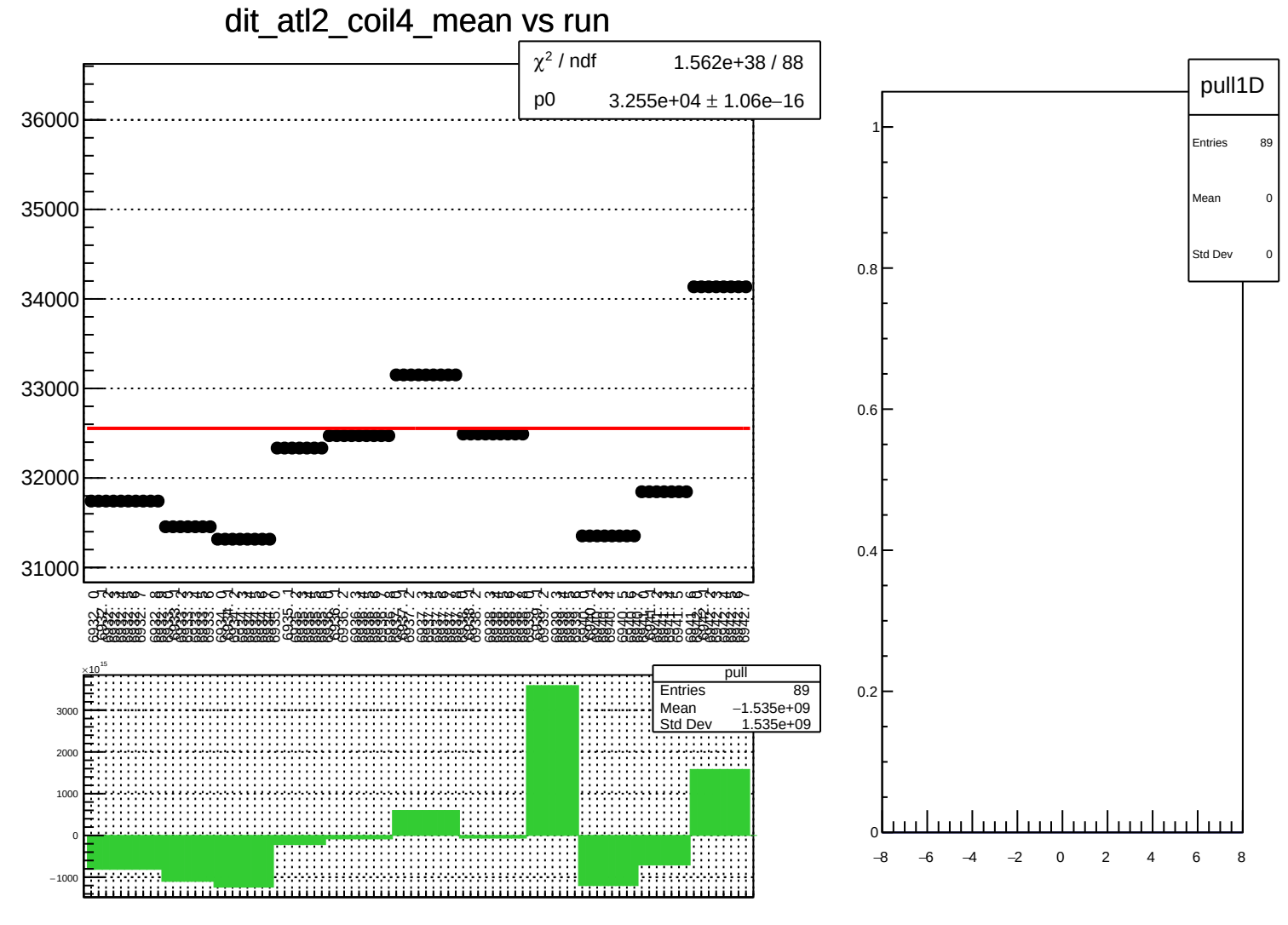

dit_usr_coil4_err_mean vs run
χ² / ndf 2.957e+35 / 88
p0 381.2 ± 1.06e−16
500
450
400
350
300
pull
Entries 89
Mean −2.024e+09
Std Dev 2.024e+09
×10¹⁵
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

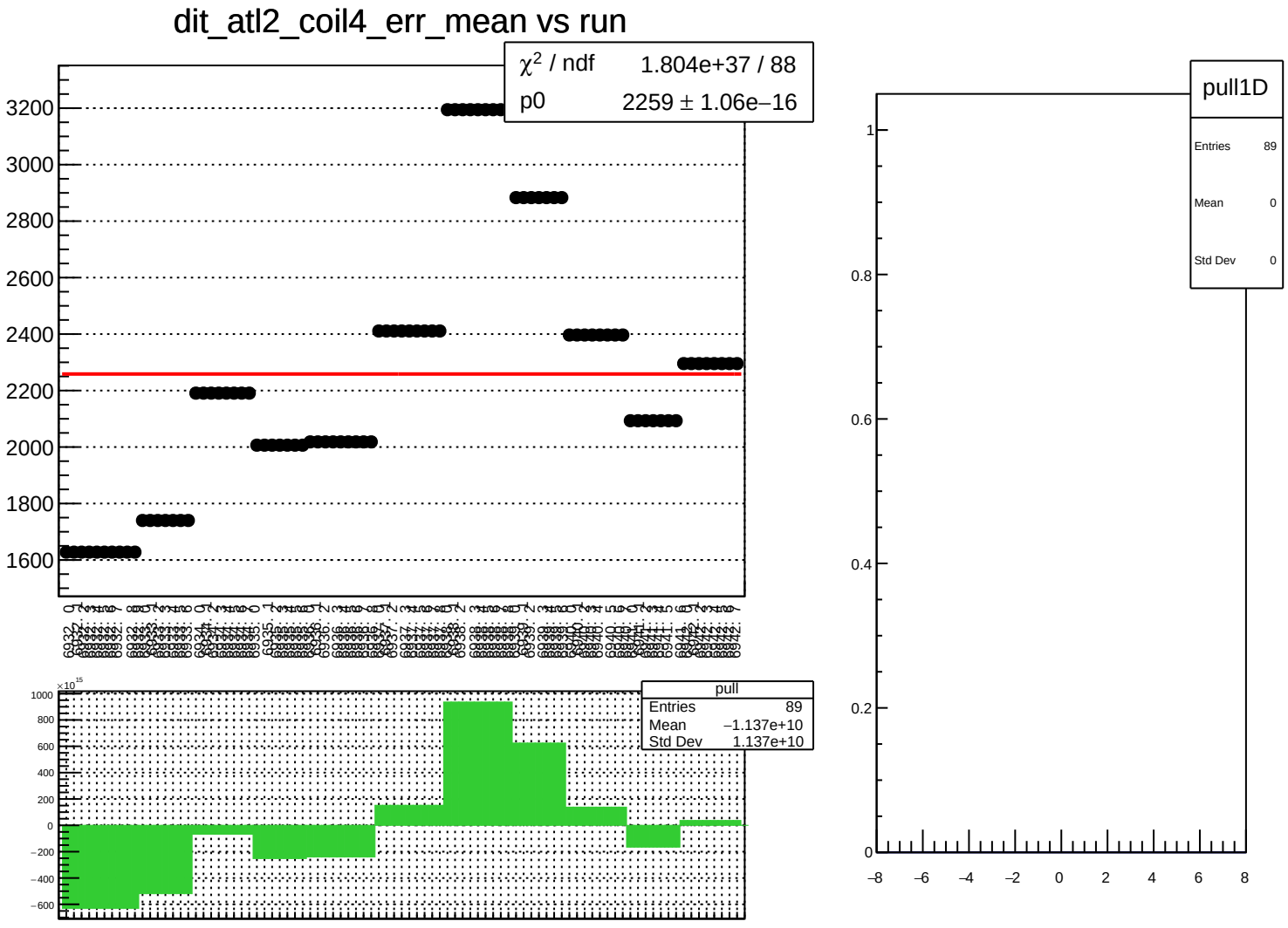

dit_usr_coil4_Ndata_mean vs run
χ^2 / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

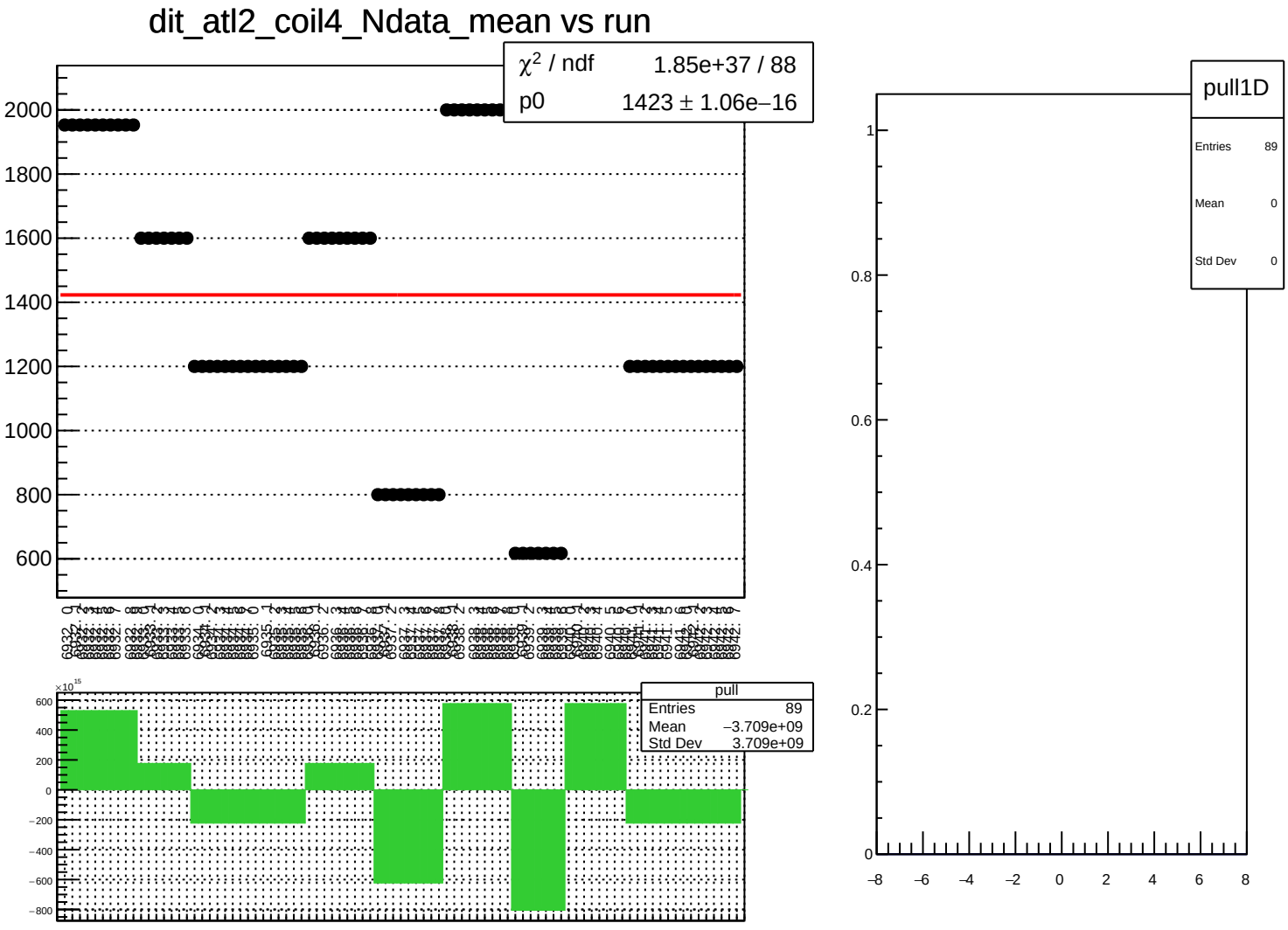

dit_atl1_coil4_mean vs run
χ² / ndf 7.939e+36 / 88
p0 –777.2 ± 1.06e–16
–400
–600
–800
–1000
–1200
pull
Entries 89
Mean 4.706e+09
Std Dev 4.706e+09
×10¹⁵
400
300
200
100
0
–100
–200
–300
–400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_atl1_coil4_err_mean vs run
χ² / ndf 3.284e+35 / 88
p0 365.1± 1.06e−16
500
450
400
350
300
pull
Entries 89
Mean −8.18e+09
Std Dev 8.18e+09
×10¹⁵
150
100
50
0
−50
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil4_Ndata_mean vs run
χ2 / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil4_mean vs run
χ² / ndf 1.562e+38 / 88
p0 3.255e+04 ± 1.06e−16
36000
35000
34000
33000
32000
31000
pull
Entries 89
Mean −1.535e+09
Std Dev 1.535e+09
×10¹⁵
3000
2000
1000
0
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil4_err_mean vs run
χ² / ndf 1.804e+37 / 88
p0 2259 ± 1.06e−16
3200
3000
2800
2600
2400
2200
2000
1800
1600
pull
Entries 89
Mean −1.137e+10
Std Dev 1.137e+10
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil4_Ndata_mean vs run
χ^2 / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
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0.4
0.2
0
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−6
−4
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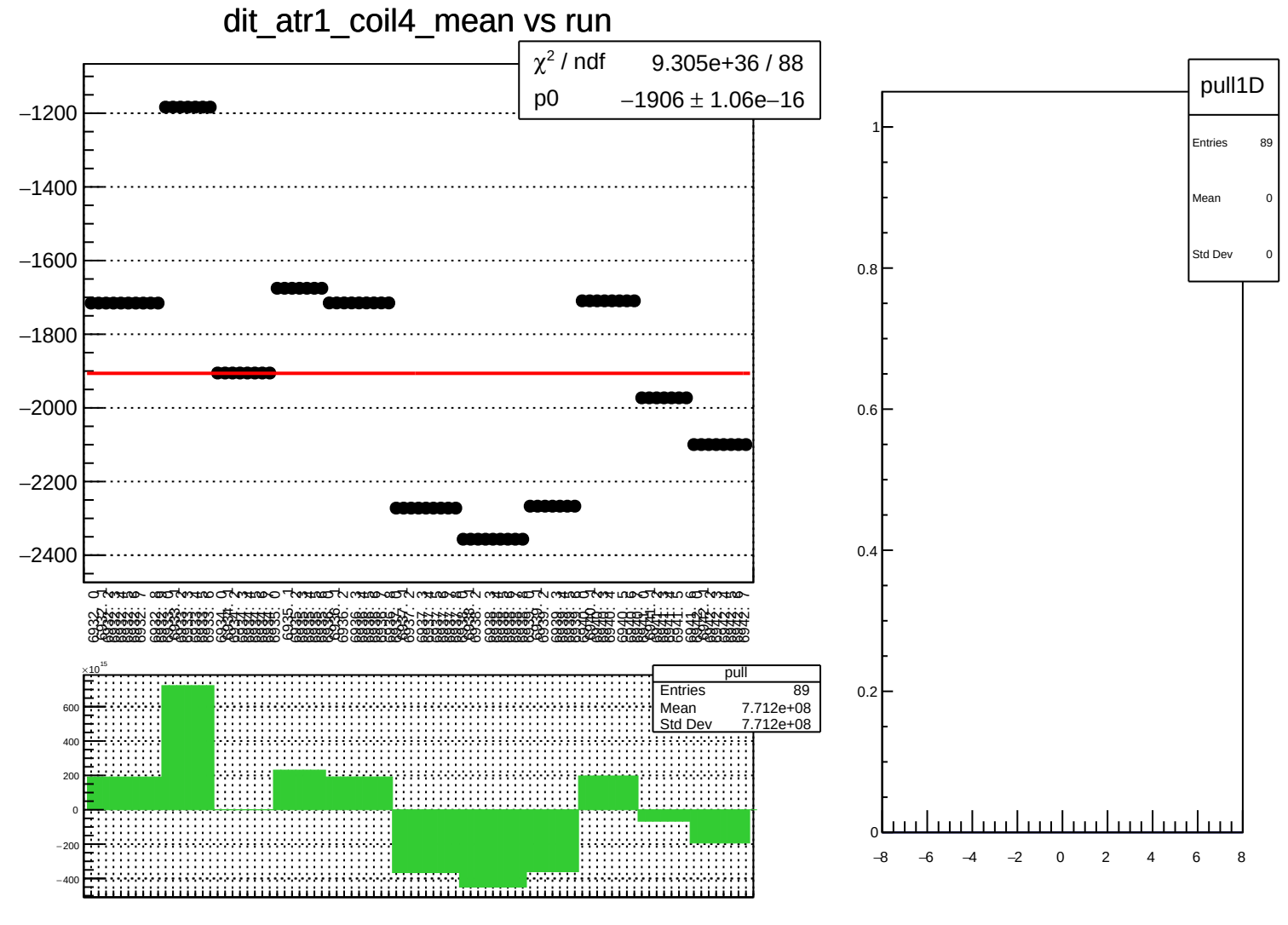
0
2
4
6
8


dit_atr1_coil4_mean vs run
χ² / ndf 9.305e+36 / 88
p0 −1906 ± 1.06e−16
−1200
−1400
−1600
−1800
−2000
−2200
−2400
pull
Entries 89
Mean 7.712e+08
Std Dev 7.712e+08
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
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0.6
0.4
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−4
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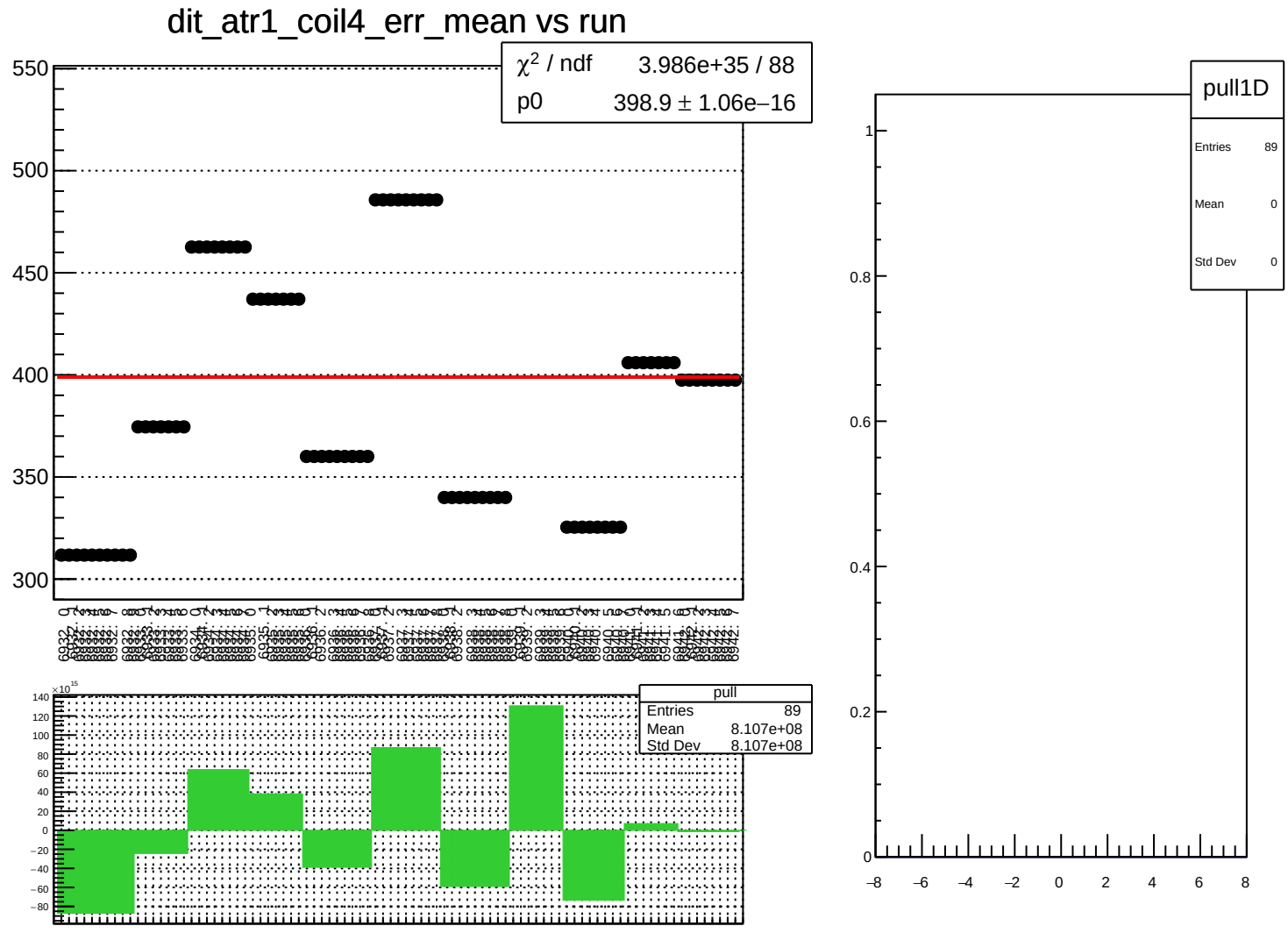
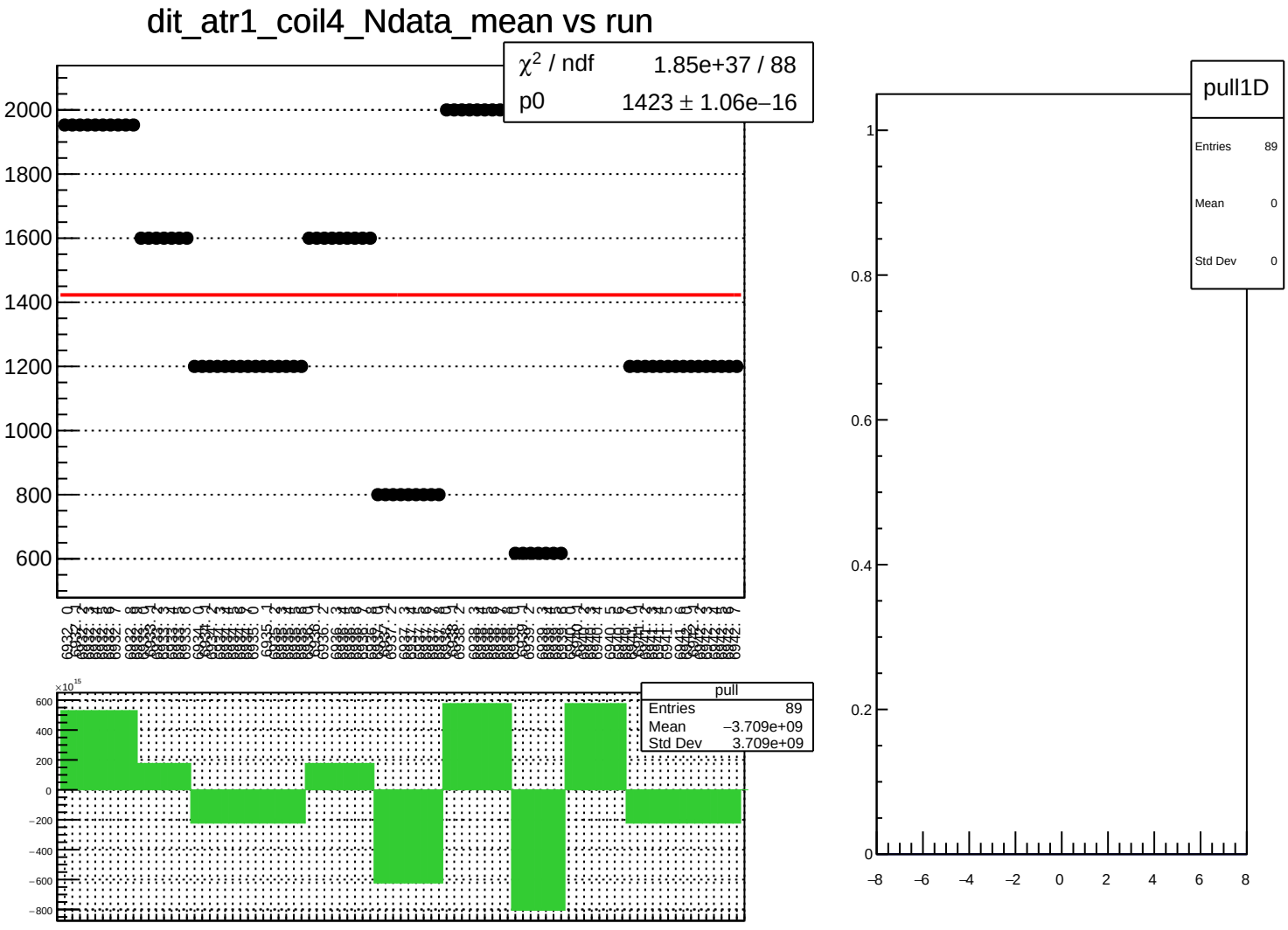
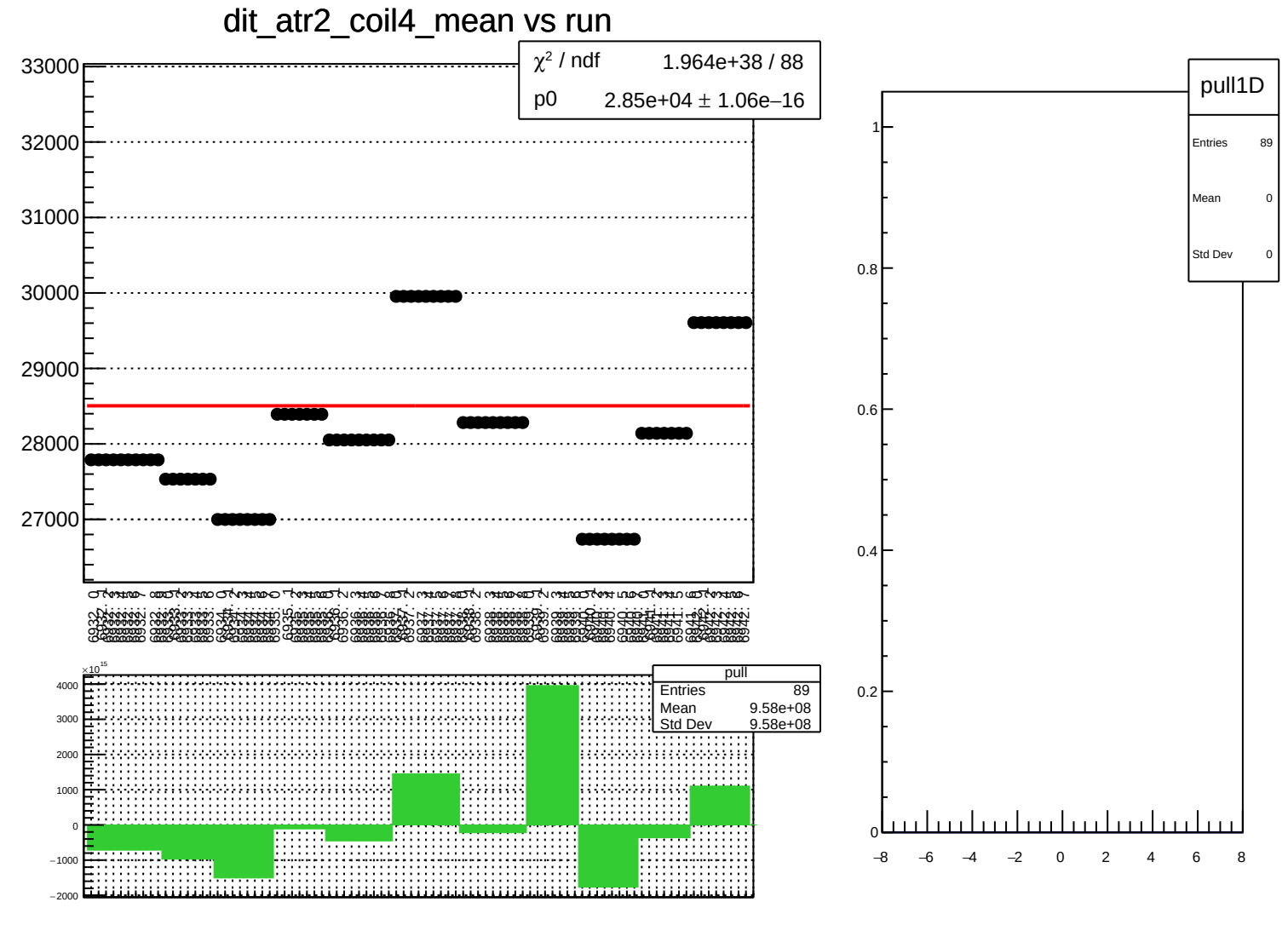
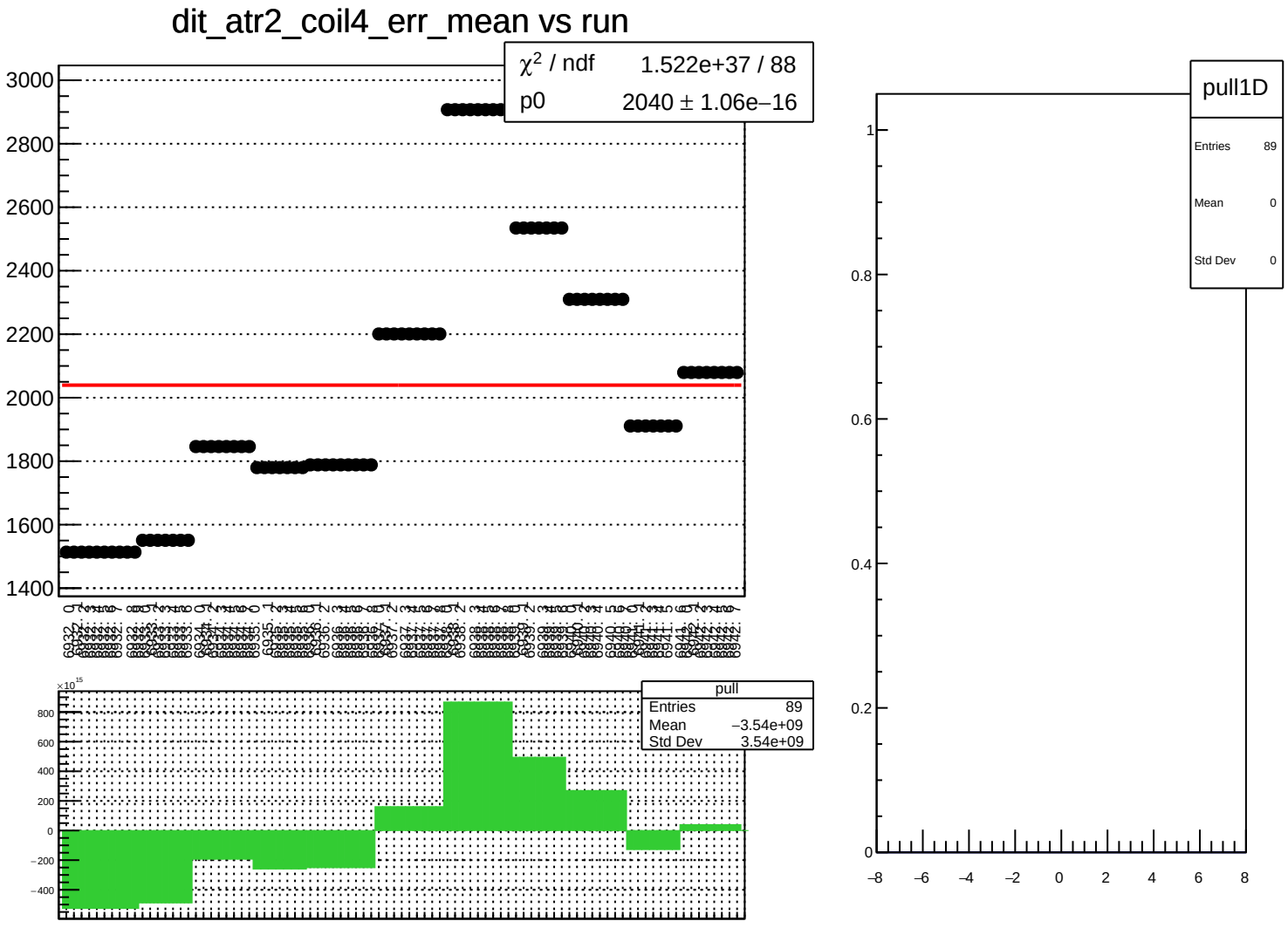
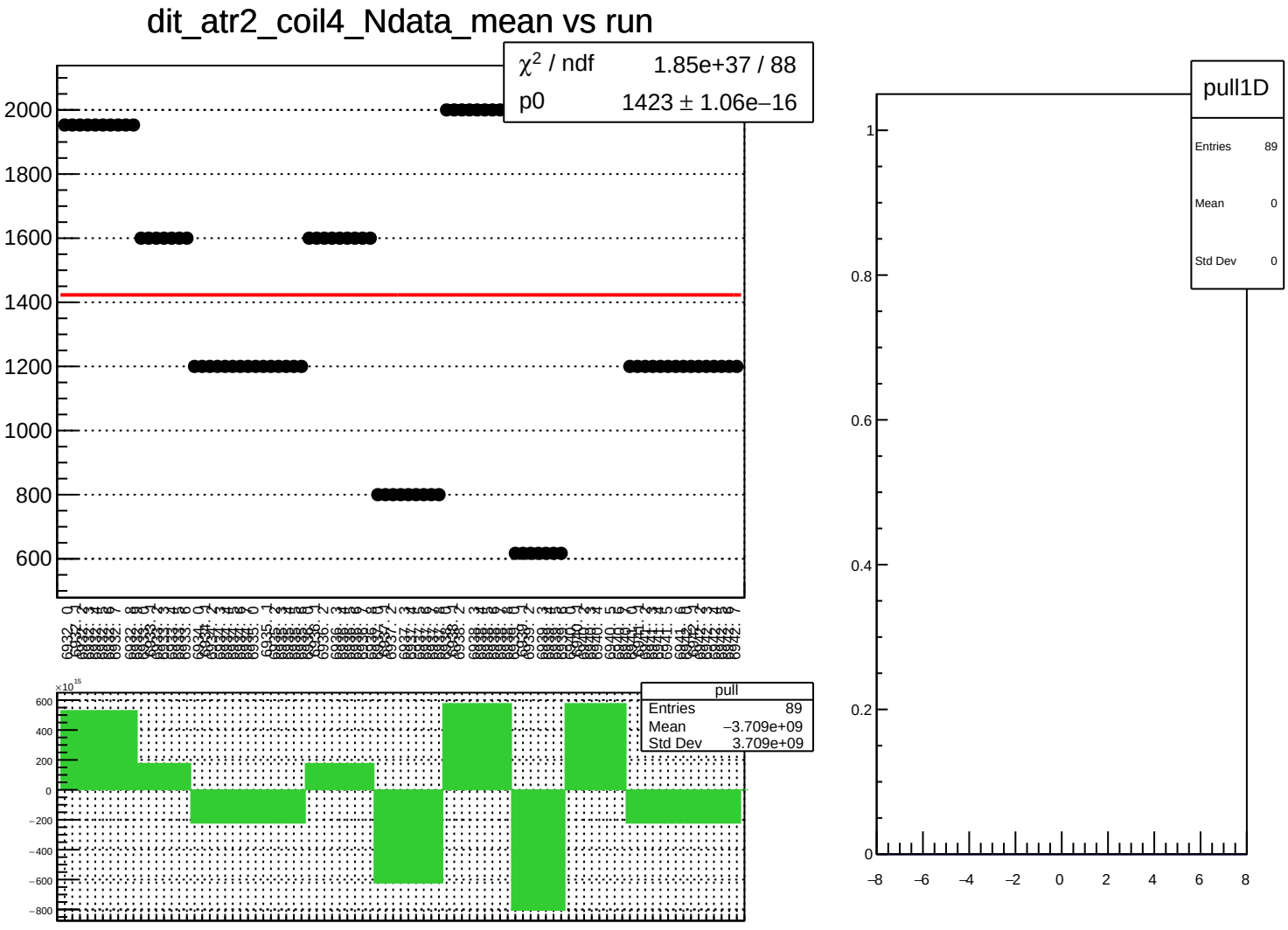
2
4
6
8

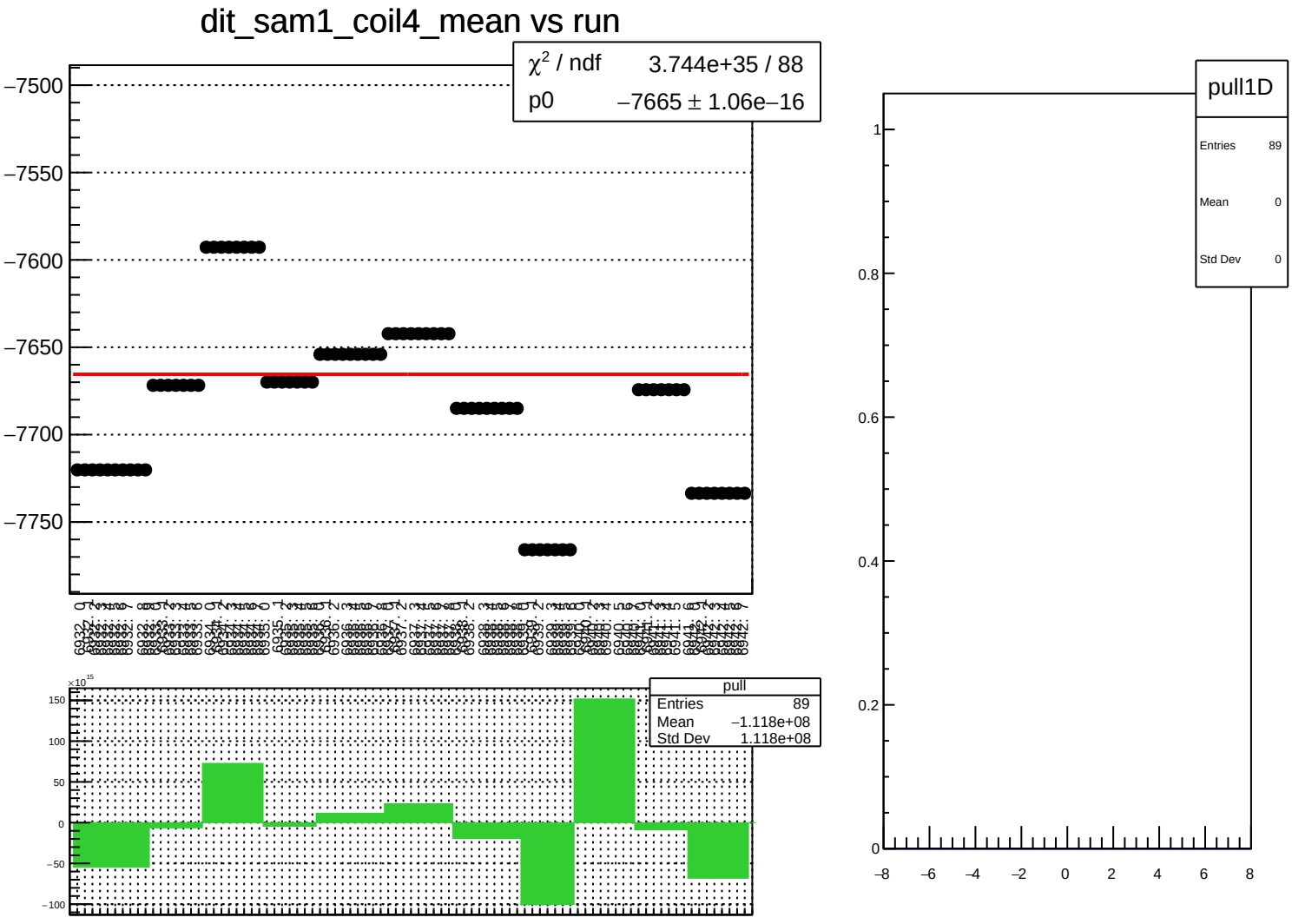

dit_atr1_coil4_err_mean vs run
χ² / ndf 3.986e+35 / 88
p0 398.9 ± 1.06e−16
550
500
450
400
350
300
pull
Entries 89
Mean 8.107e+08
Std Dev 8.107e+08
×10¹⁵
140
120
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

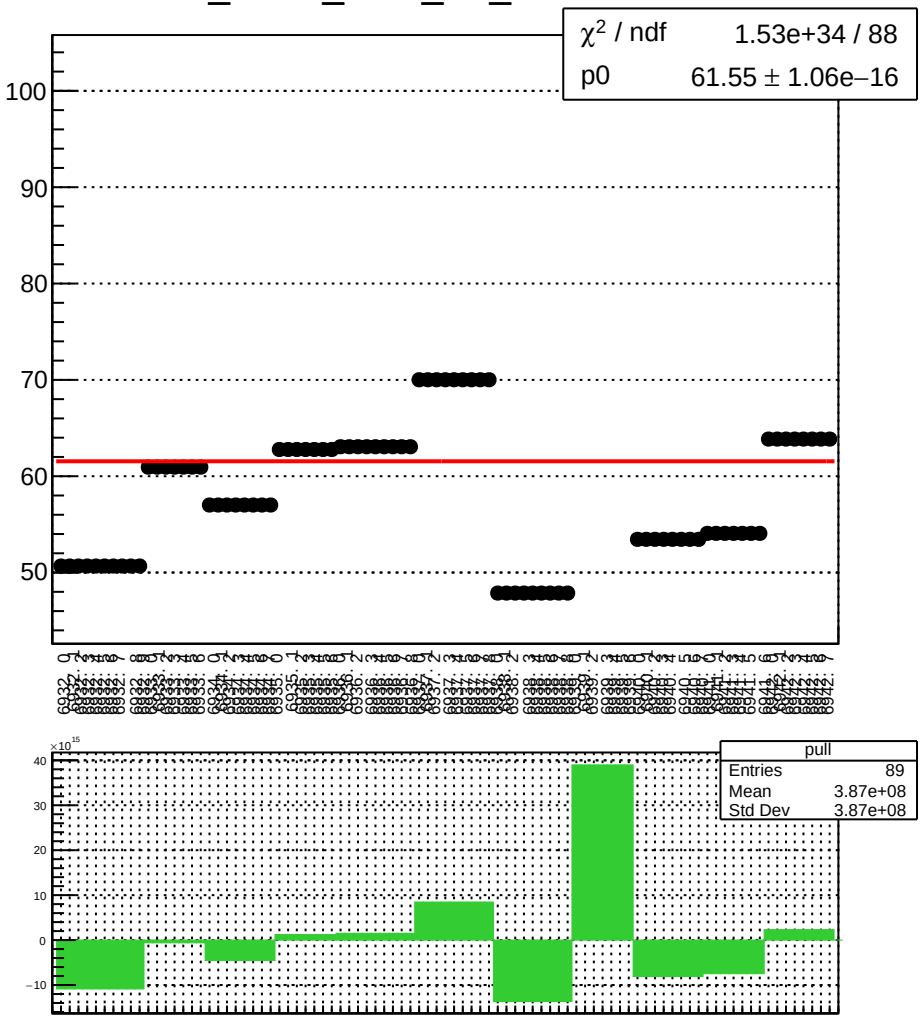

dit_atr2_coil4_mean vs run
χ² / ndf 1.964e+38 / 88
p0 2.85e+04 ± 1.06e−16
33000
32000
31000
30000
29000
28000
27000
pull
Entries 89
Mean 9.58e+08
Std Dev 9.58e+08
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

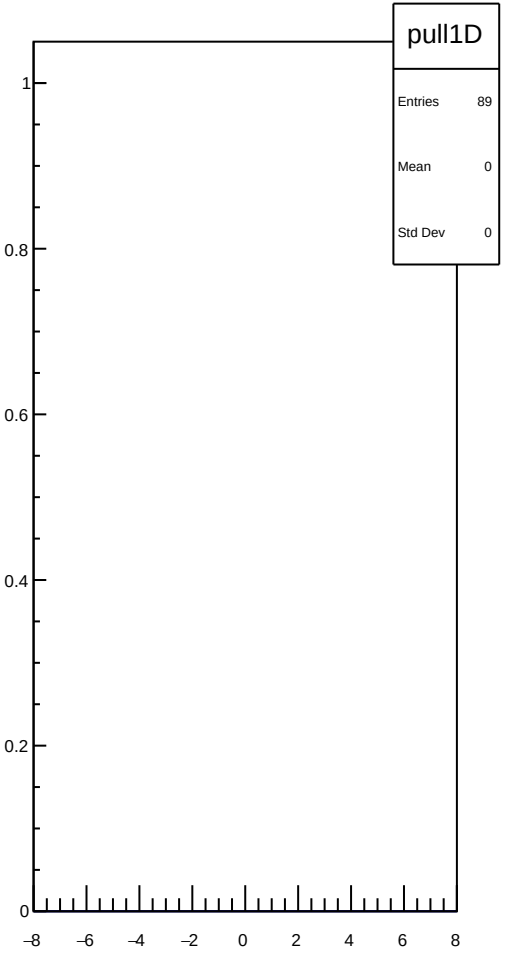

dit_atr2_coil4_err_mean vs run
χ² / ndf 1.522e+37 / 88
p0 2040 ± 1.06e−16
3000
2800
2600
2400
2200
2000
1800
1600
1400
pull
Entries 89
Mean −3.54e+09
Std Dev 3.54e+09
×10¹⁵
800
600
400
200
0
−200
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

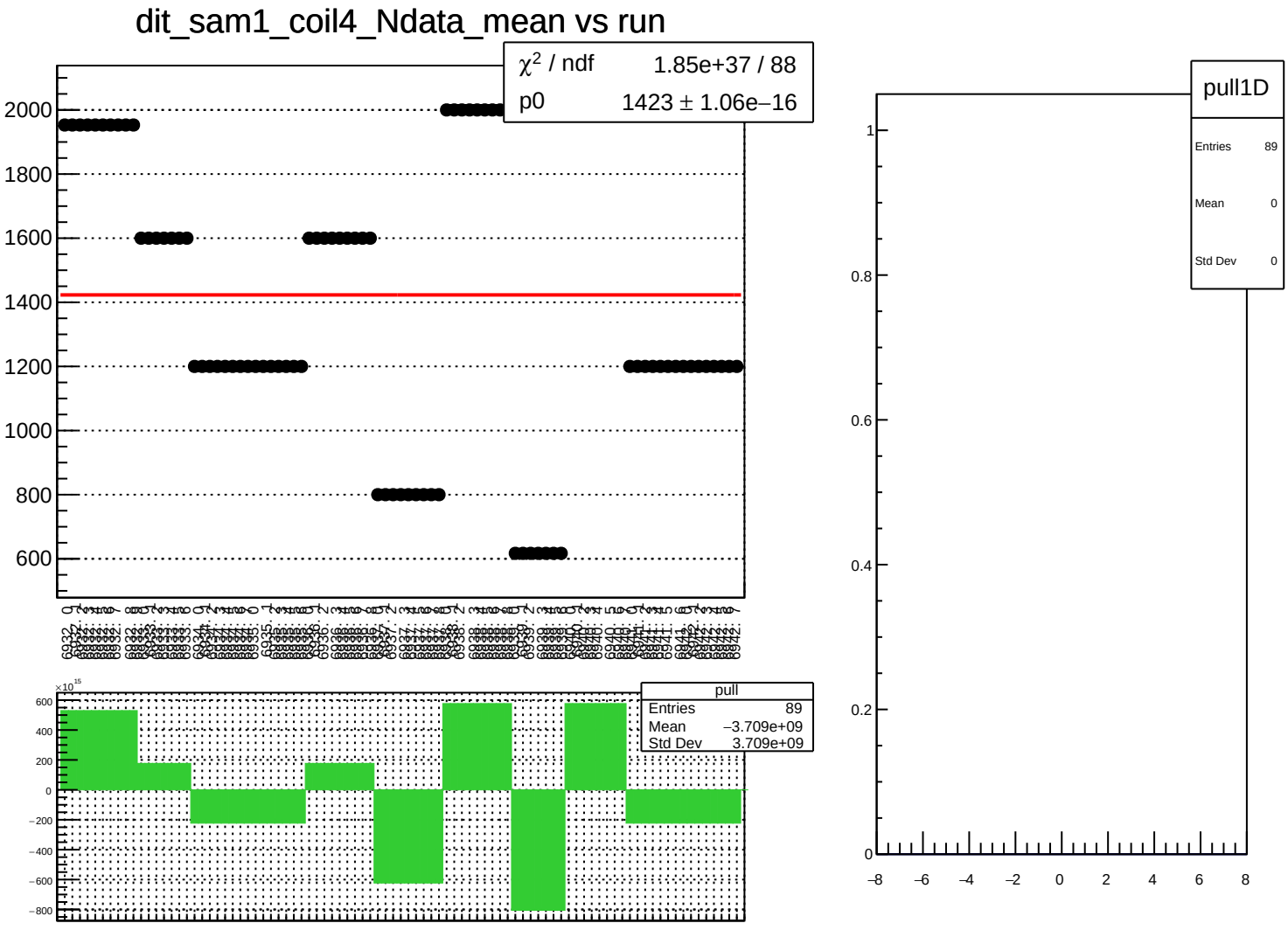

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

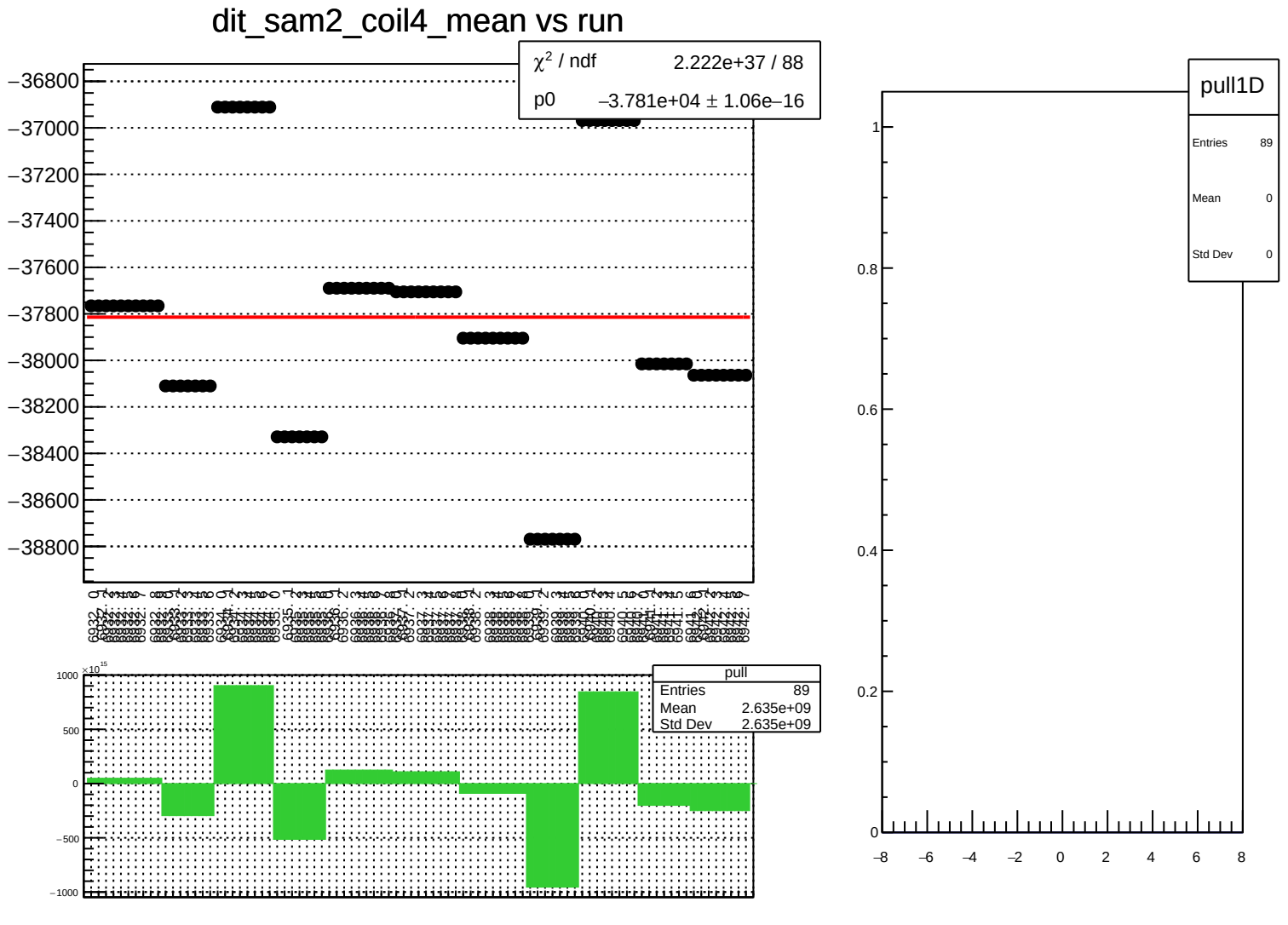

dit_sam1_coil4_mean vs run
χ² / ndf 3.744e+35 / 88
p0 −7665 ± 1.06e−16
−7500
−7550
−7600
−7650
−7700
−7750
pull
Entries 89
Mean −1.118e+08
Std Dev 1.118e+08
×10¹⁵
150
100
50
0
−50
−100
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

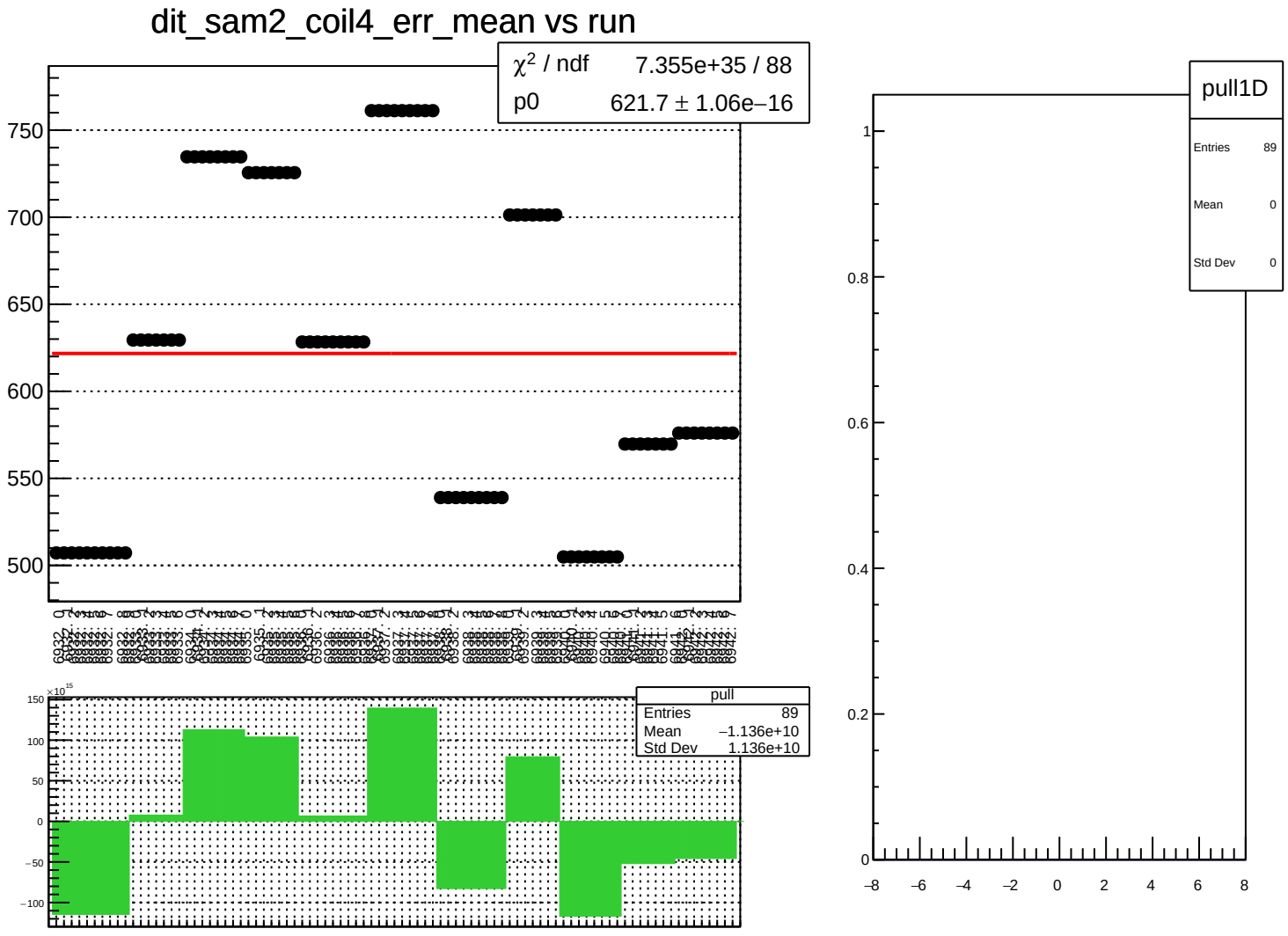
dit_sam1_coil4_err_mean vs run

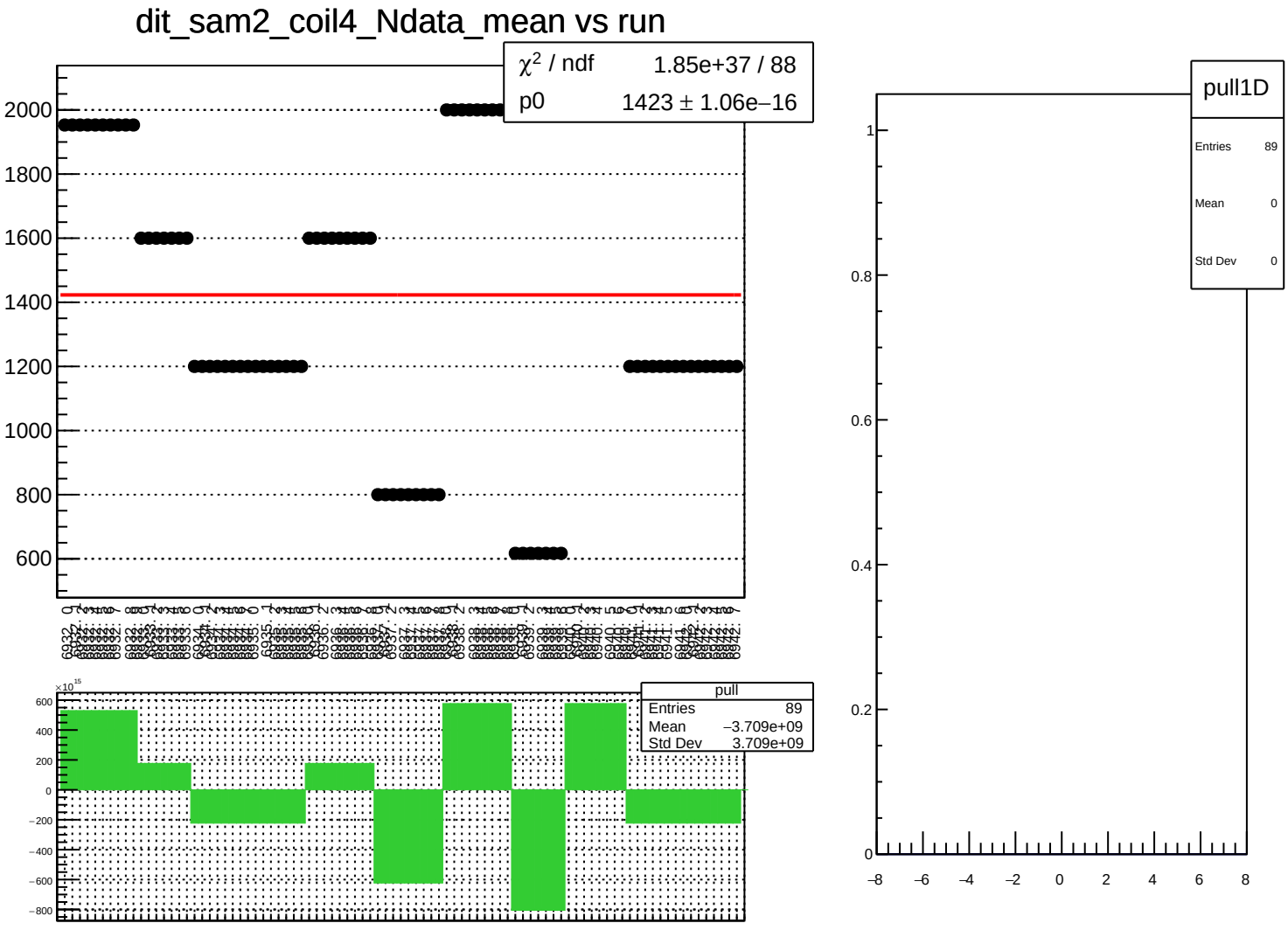


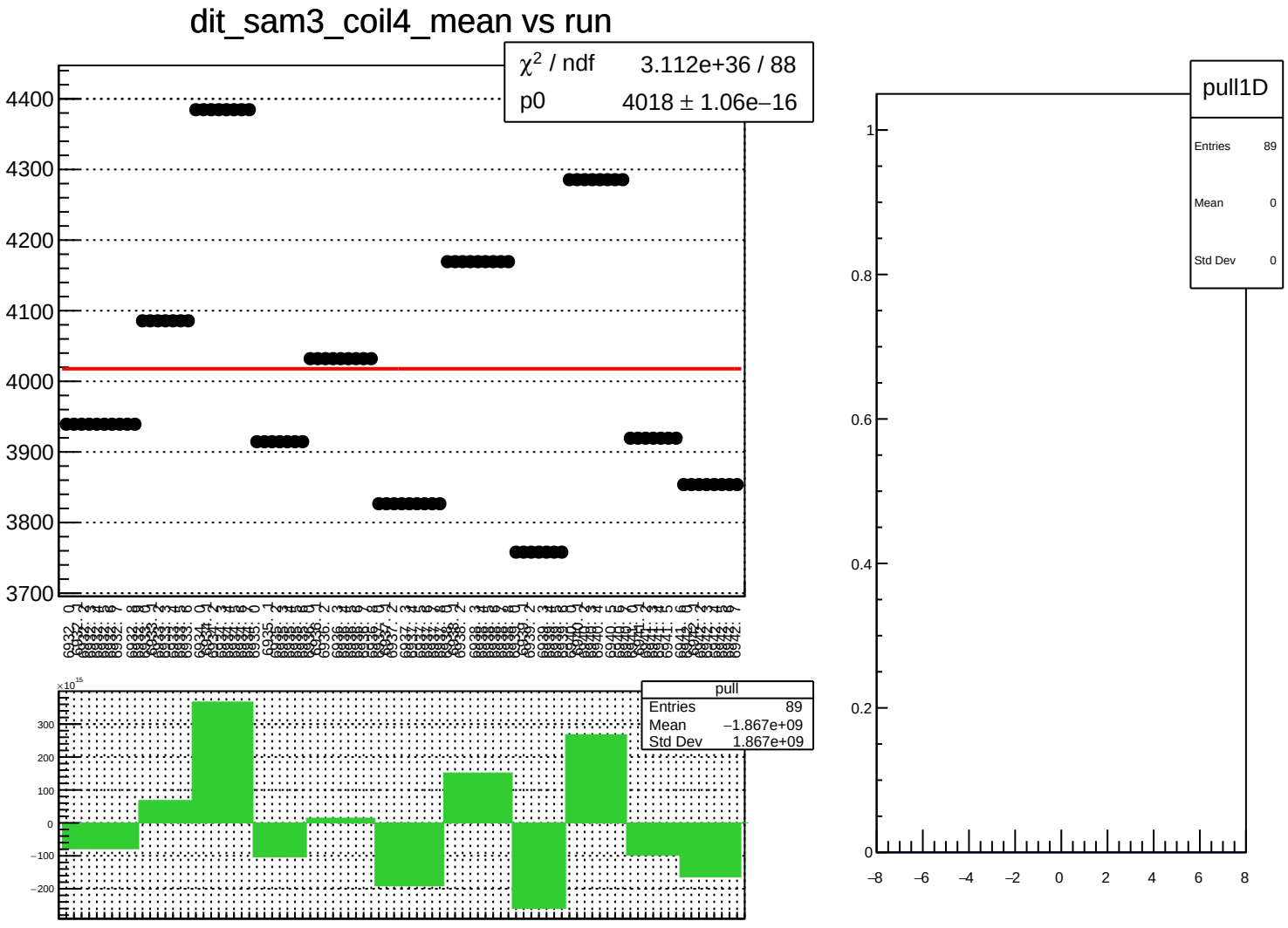


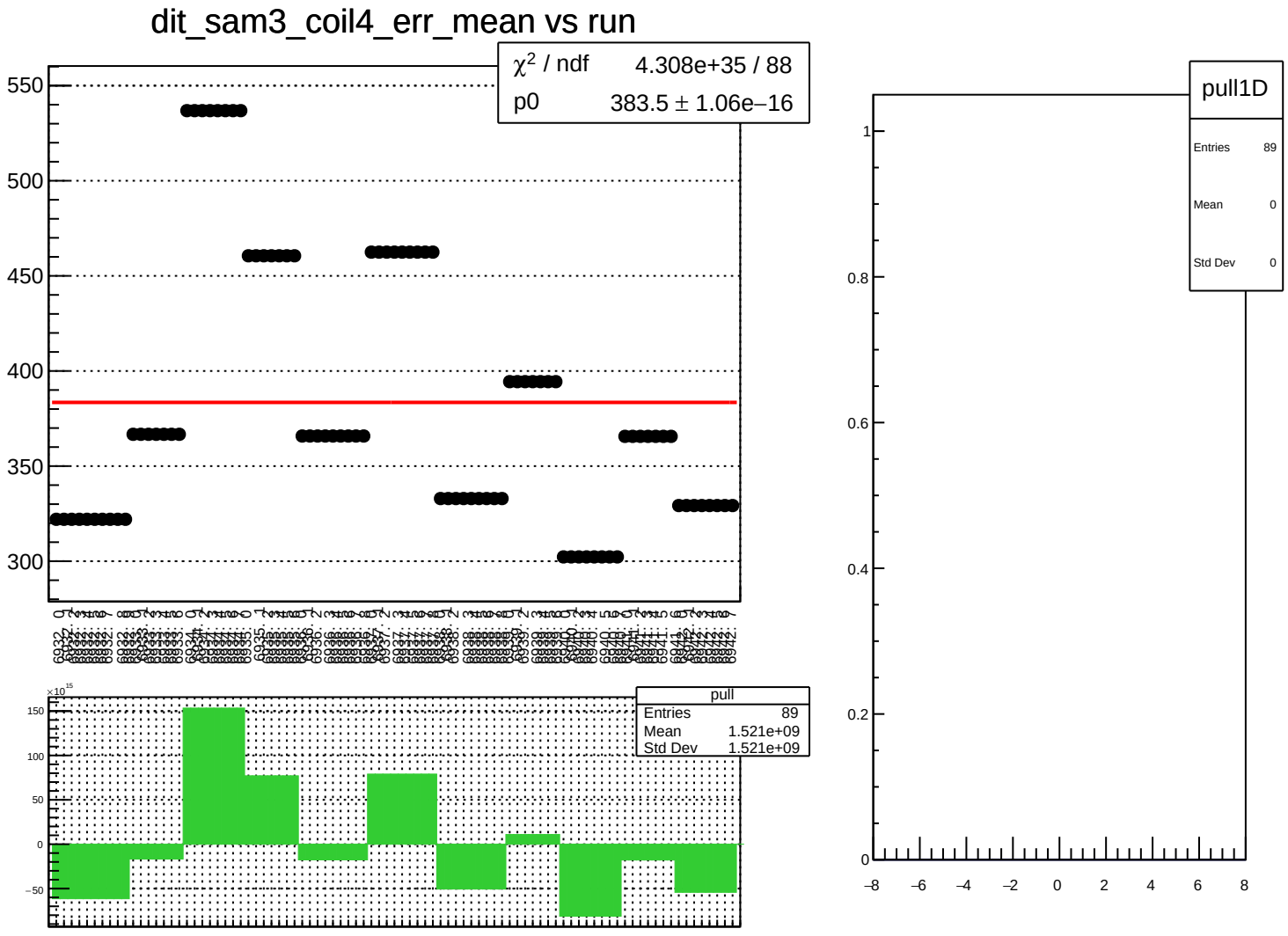

dit_sam1_coil4_Ndata_mean vs run
χ2 / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

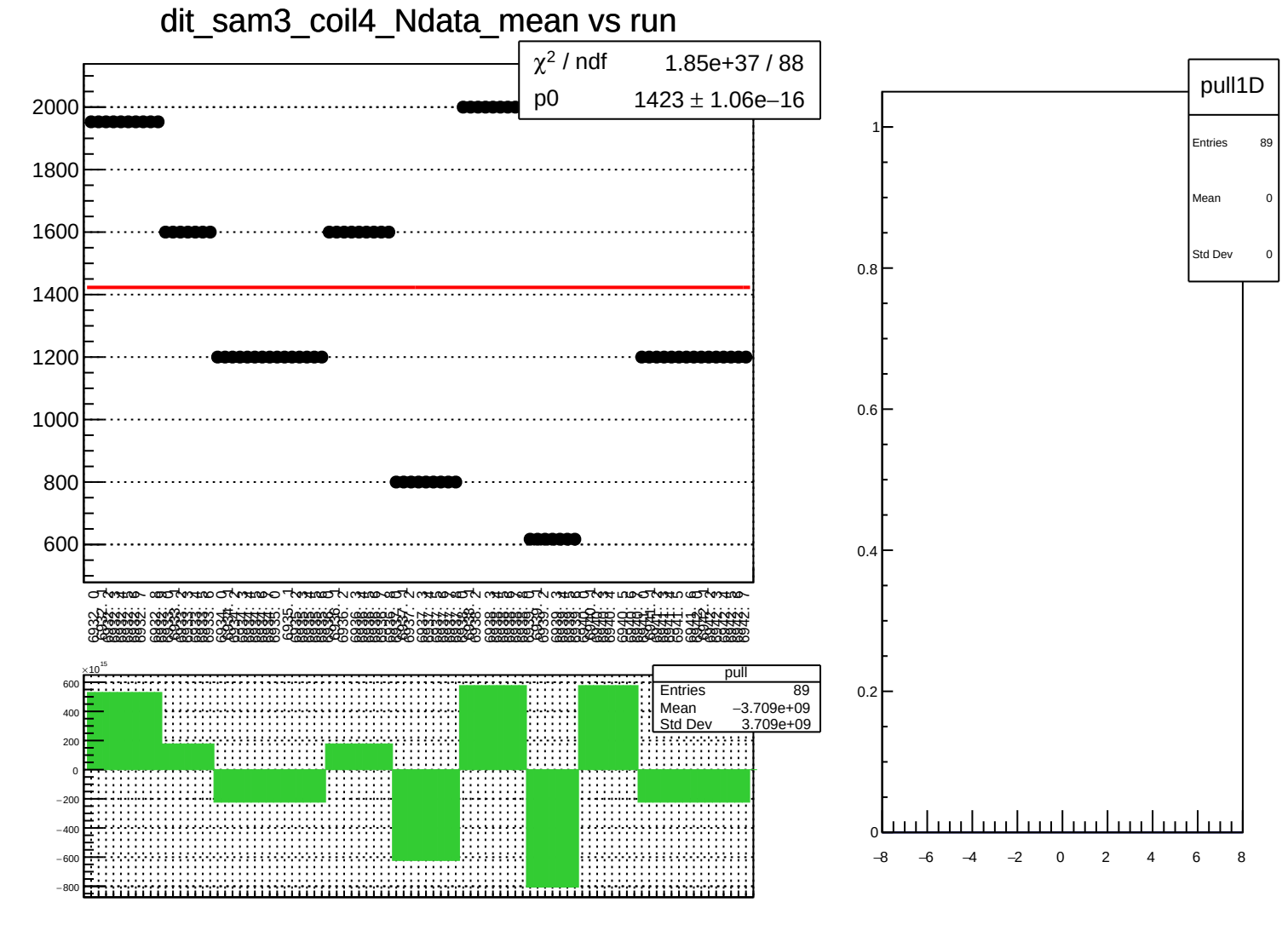

dit_sam2_coil4_mean vs run
χ² / ndf 2.222e+37 / 88
p0 −3.781e+04 ± 1.06e−16
−36800
−37000
−37200
−37400
−37600
−37800
−38000
−38200
−38400
−38600
−38800
pull
Entries 89
Mean 2.635e+09
Std Dev 2.635e+09
×10^15
1000
500
0
−500
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

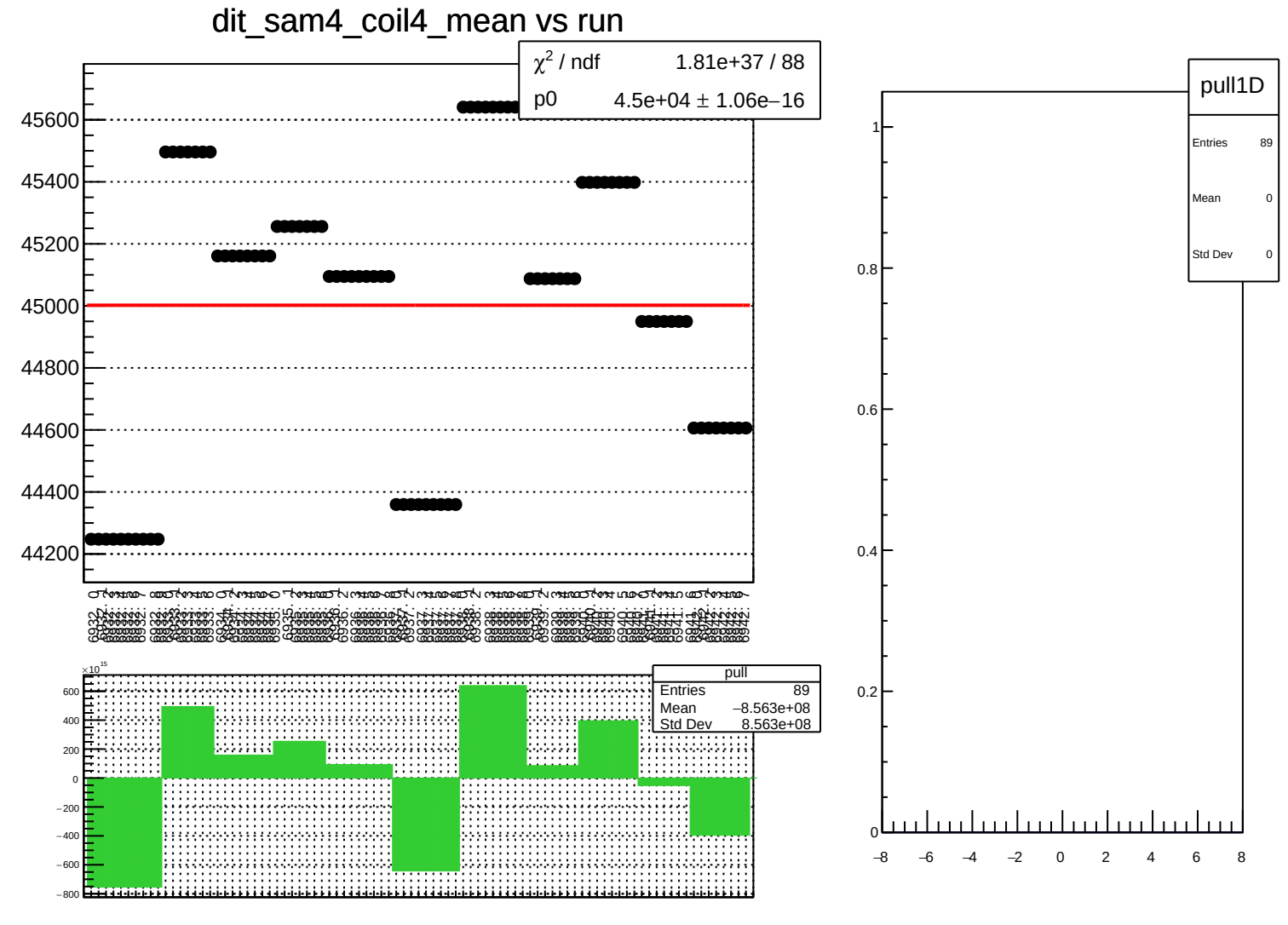

dit_sam2_coil4_err_mean vs run
χ² / ndf 7.355e+35 / 88
p0 621.7 ± 1.06e−16
750
700
650
600
550
500
pull
Entries 89
Mean −1.136e+10
Std Dev 1.136e+10
150
100
50
0
−50
−100
×10¹⁵
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

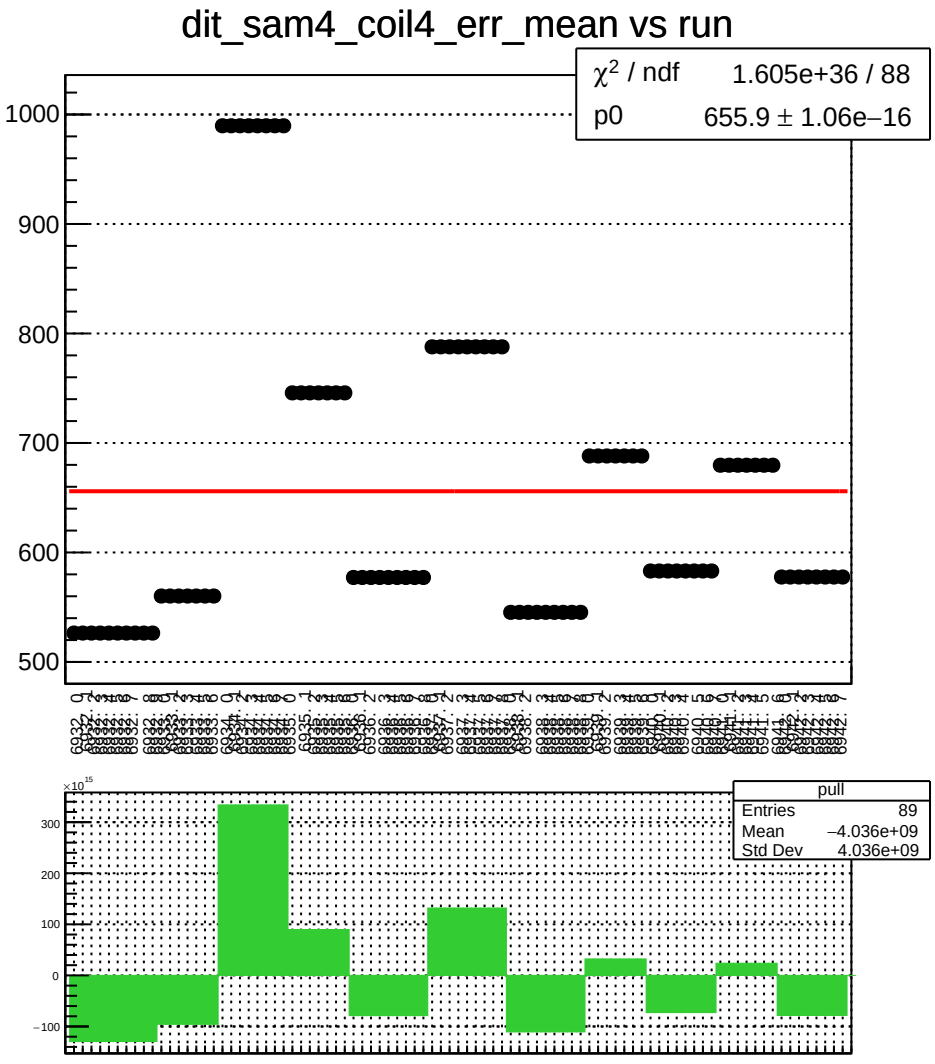

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

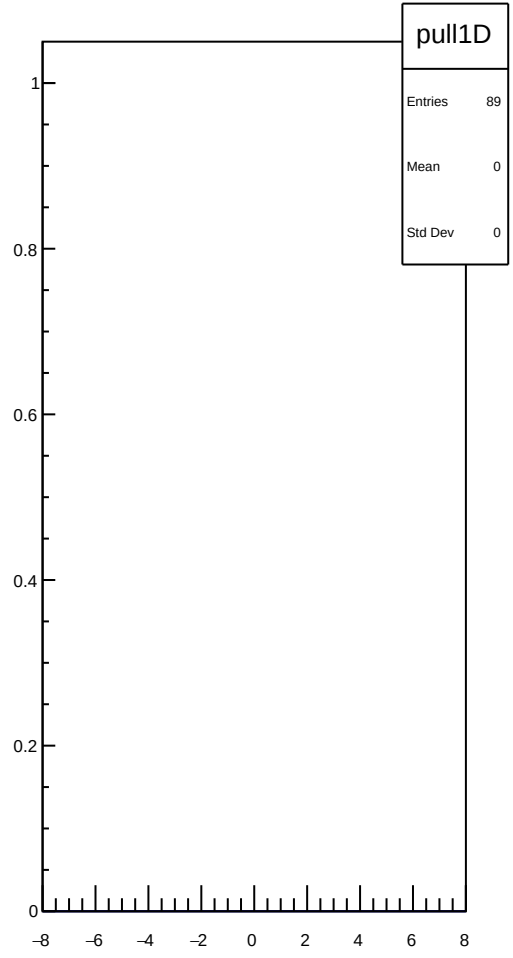

dit_sam3_coil4_mean vs run
χ² / ndf 3.112e+36 / 88
p0 4018 ± 1.06e−16
4400
4300
4200
4100
4000
3900
3800
3700
pull
Entries 89
Mean −1.867e+09
Std Dev 1.867e+09
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

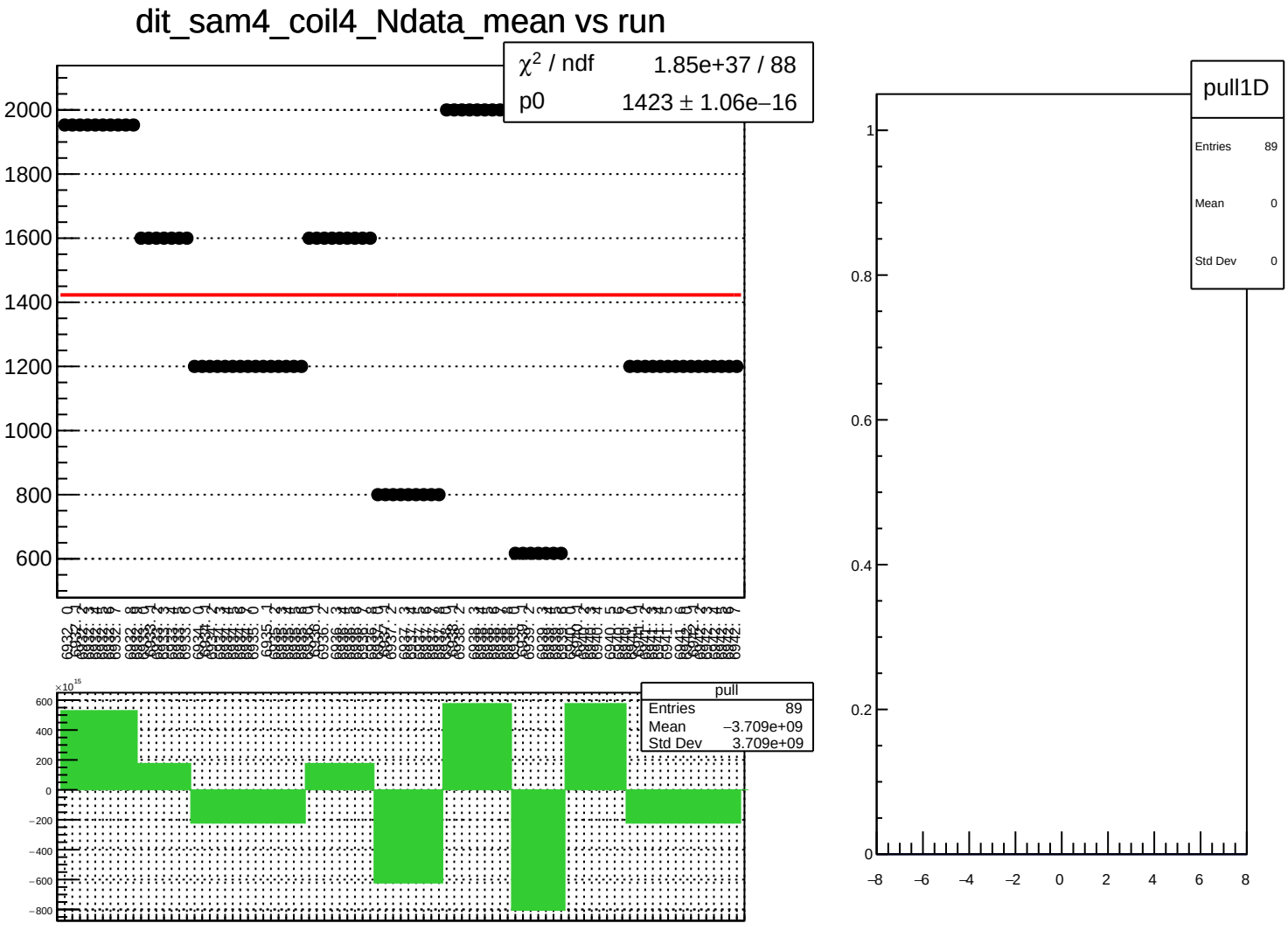

dit_sam3_coil4_err_mean vs run
χ² / ndf 4.308e+35 / 88
p0 383.5 ± 1.06e−16
550
500
450
400
350
300
pull
Entries 89
Mean 1.521e+09
Std Dev 1.521e+09
×10¹⁵
150
100
50
0
−50
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

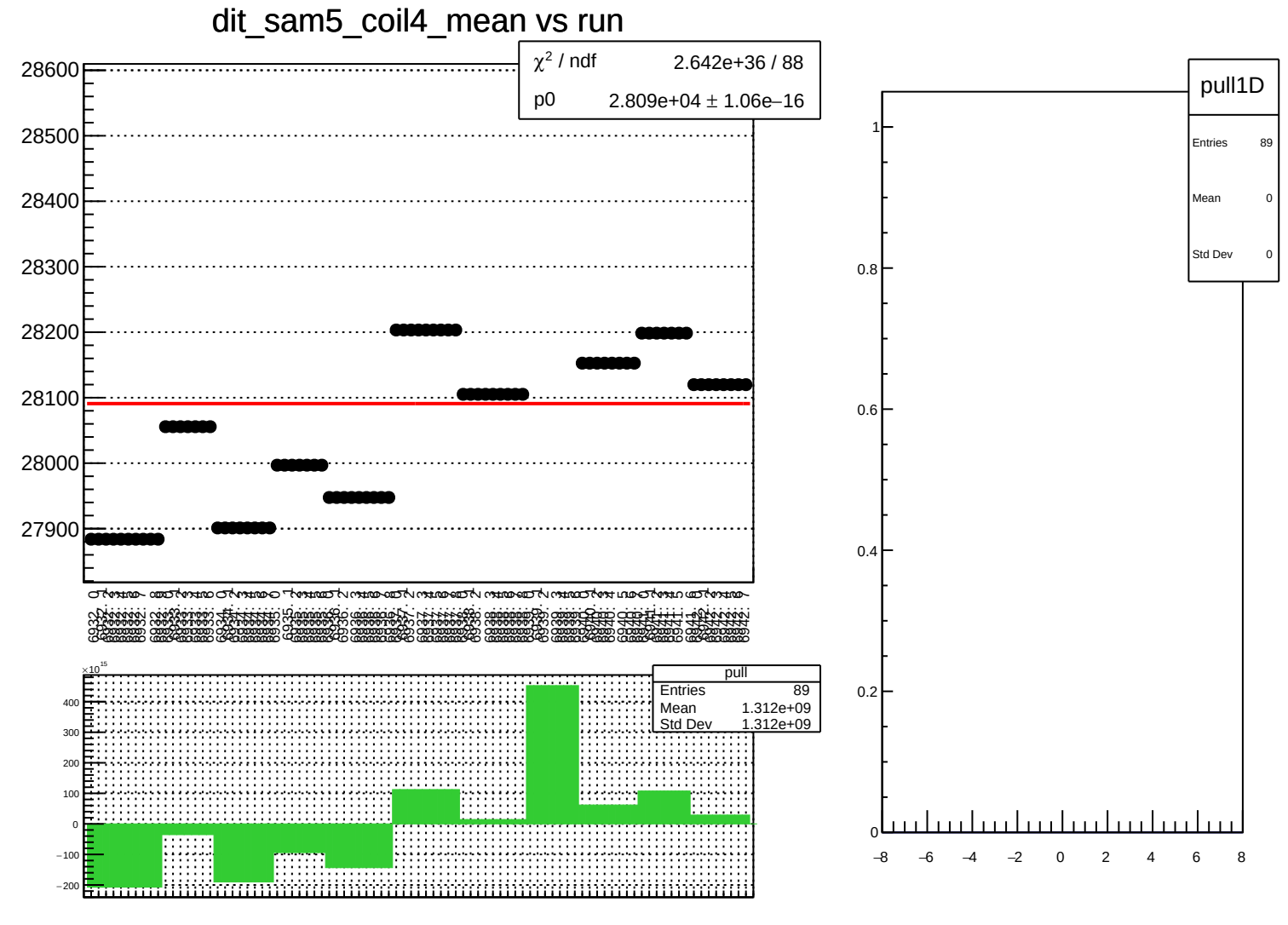

dit_sam3_coil4_Ndata_mean vs run
χ2 / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

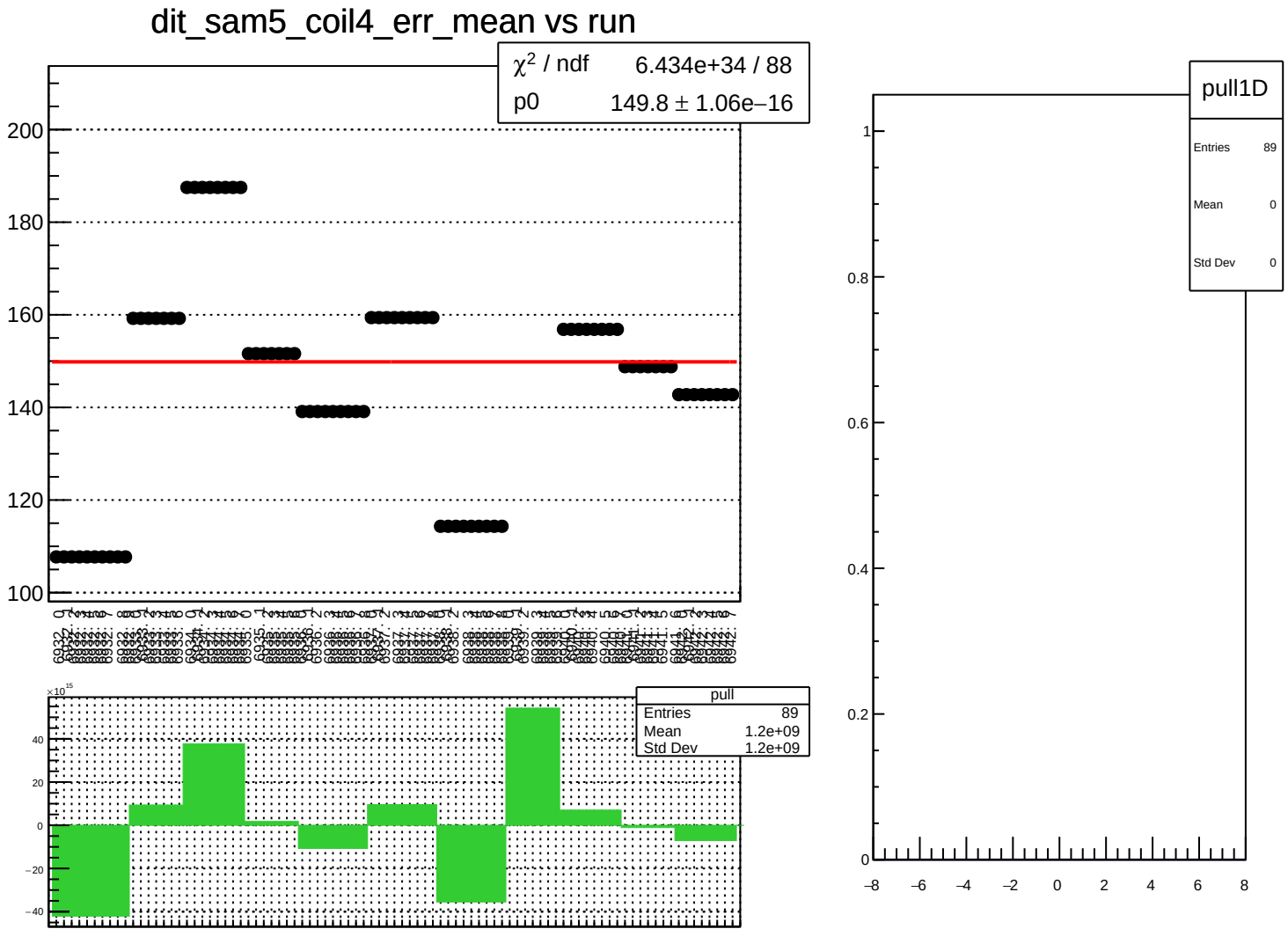

dit_sam4_coil4_mean vs run
χ² / ndf 1.81e+37 / 88
p0 4.5e+04 ± 1.06e−16
45600
45400
45200
45000
44800
44600
44400
44200
pull
Entries 89
Mean −8.563e+08
Std Dev 8.563e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

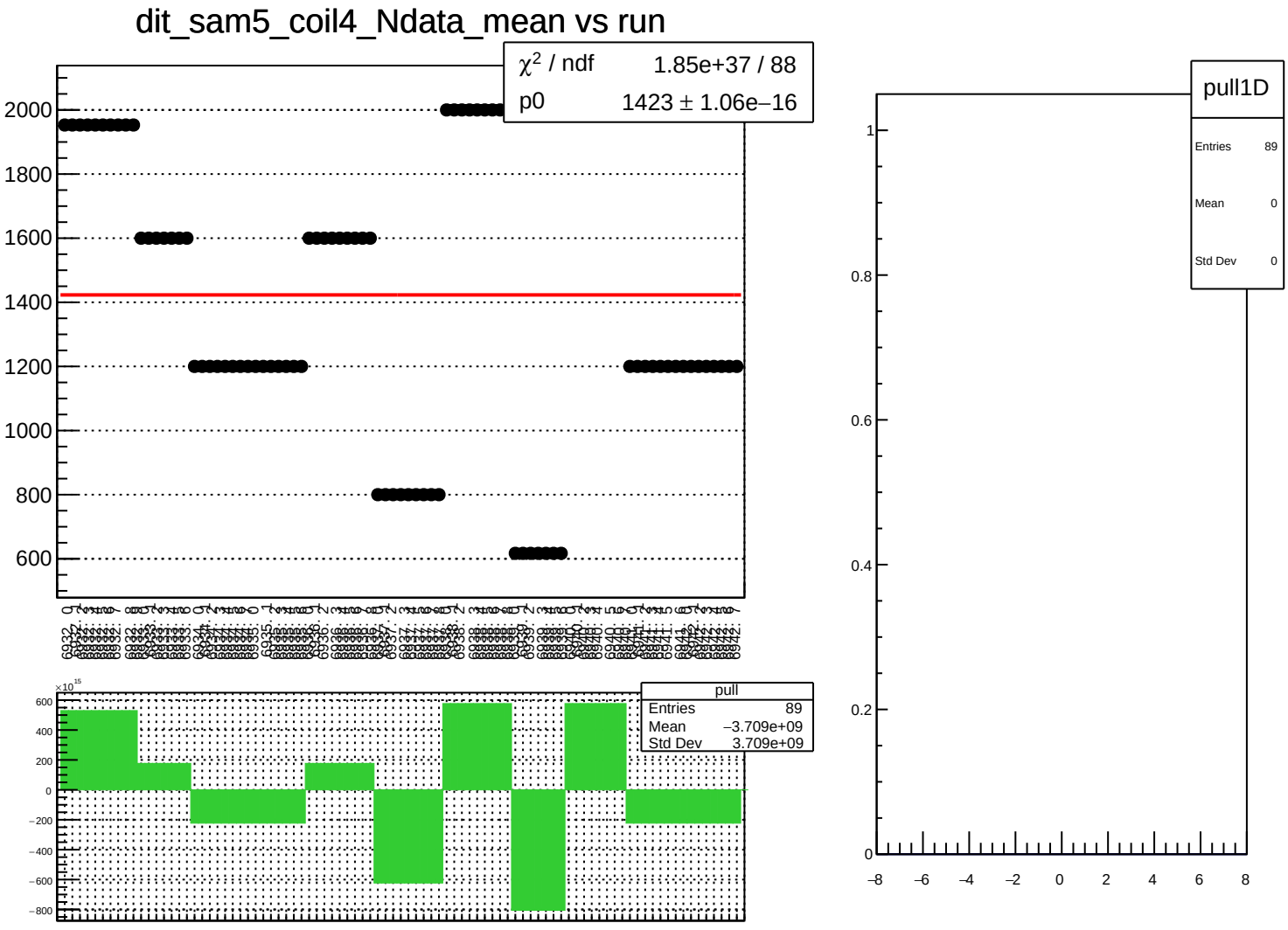

dit_sam4_coil4_err_mean vs run
χ² / ndf 1.605e+36 / 88
p0 655.9 ± 1.06e−16
1000
900
800
700
600
500
pull
Entries 89
Mean −4.036e+09
Std Dev 4.036e+09
×10¹⁵
300
200
100
0
−100

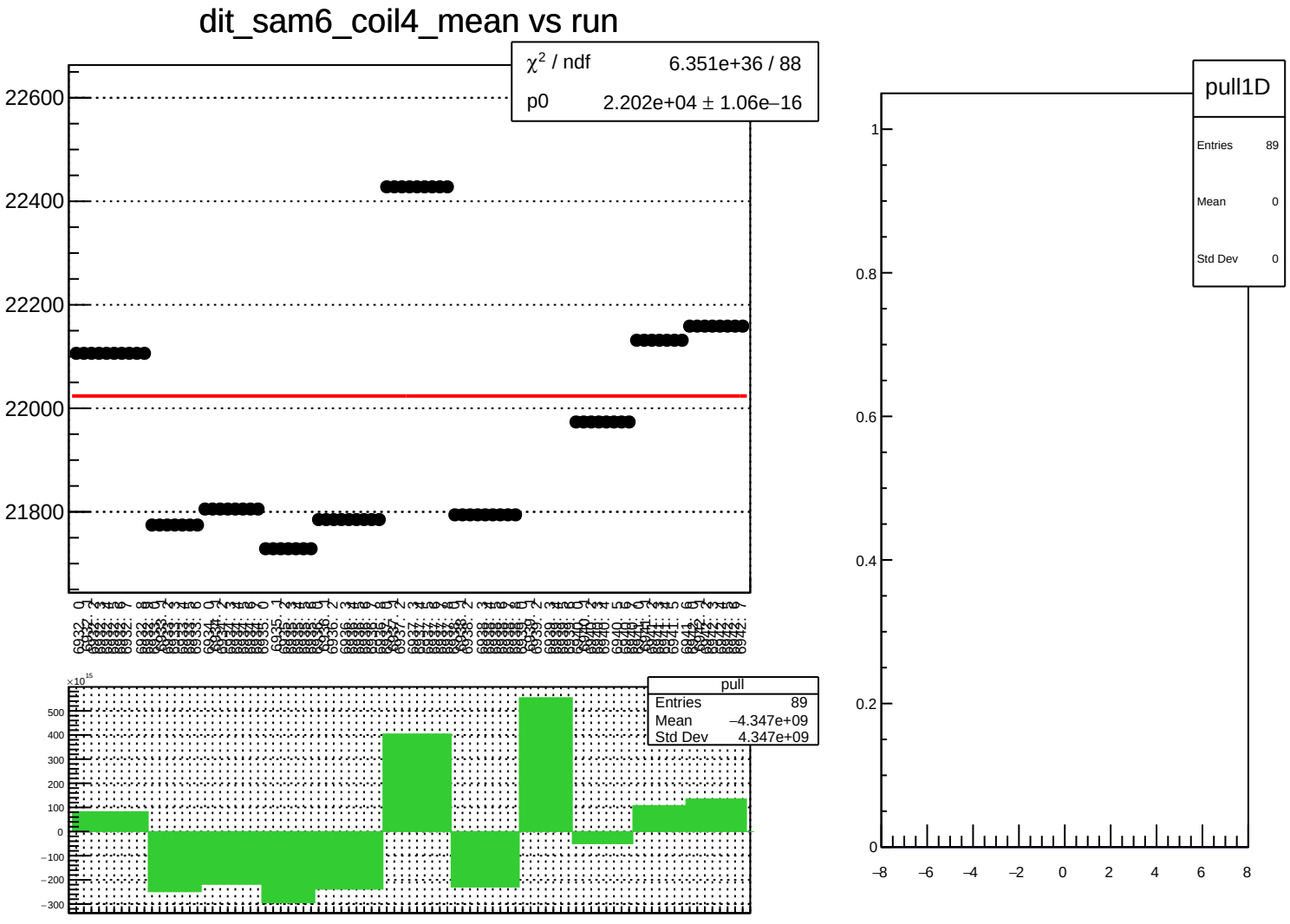

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

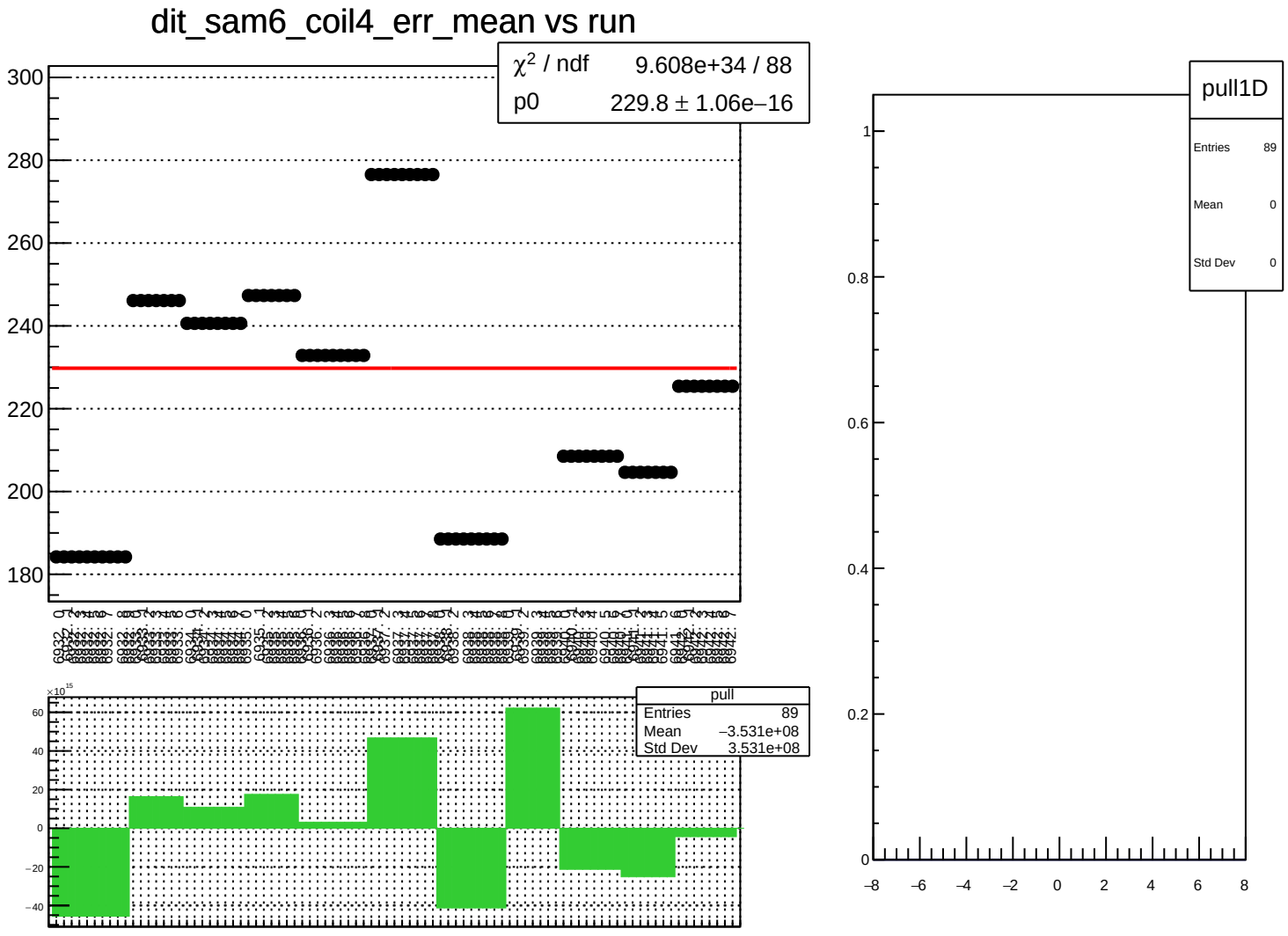

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

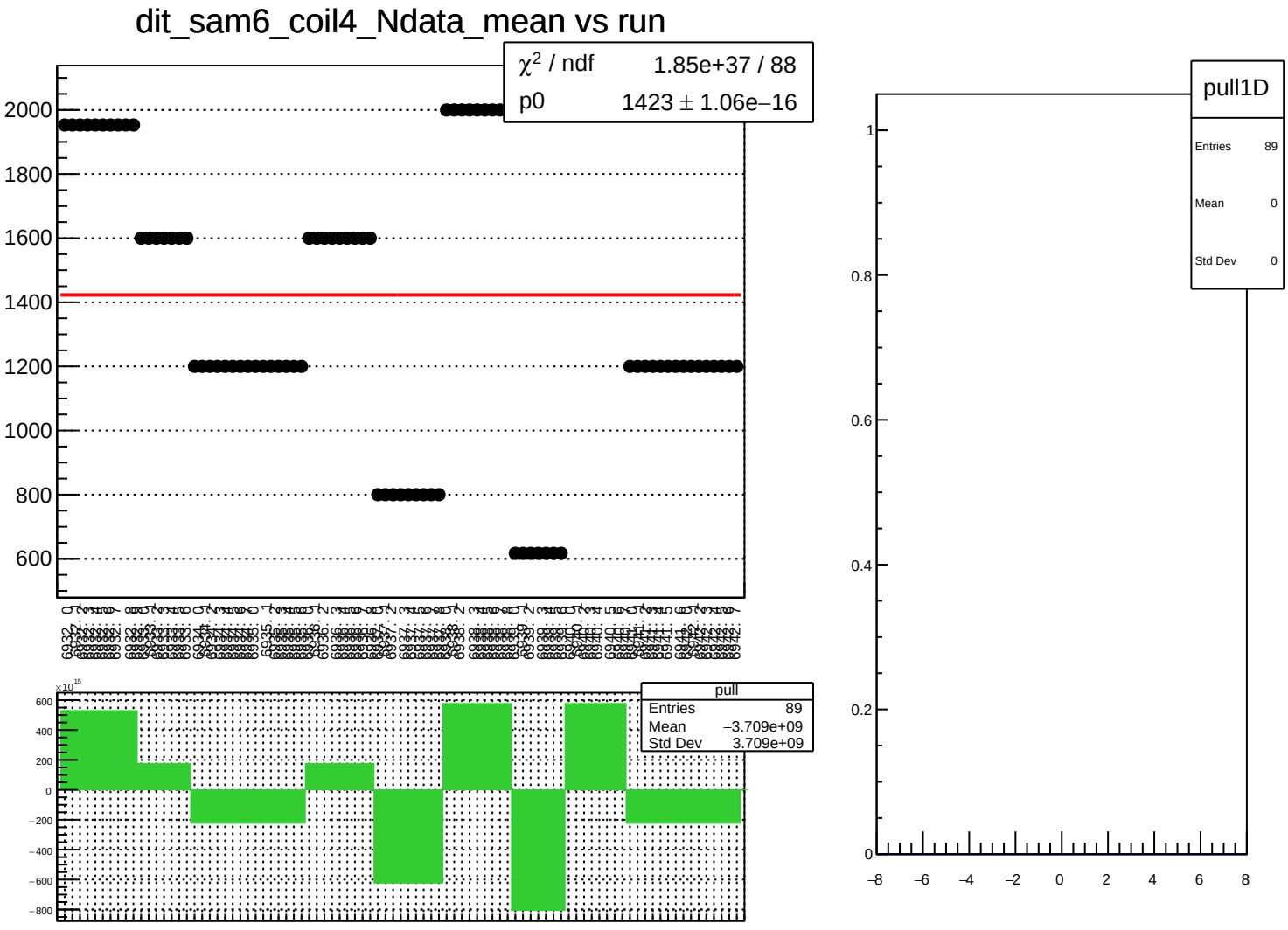

dit_sam5_coil4_mean vs run
χ² / ndf 2.642e+36 / 88
p0 2.809e+04 ± 1.06e−16
28600
28500
28400
28300
28200
28100
28000
27900
pull
Entries 89
Mean 1.312e+09
Std Dev 1.312e+09
×10¹⁵
400
300
200
100
0
−100
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

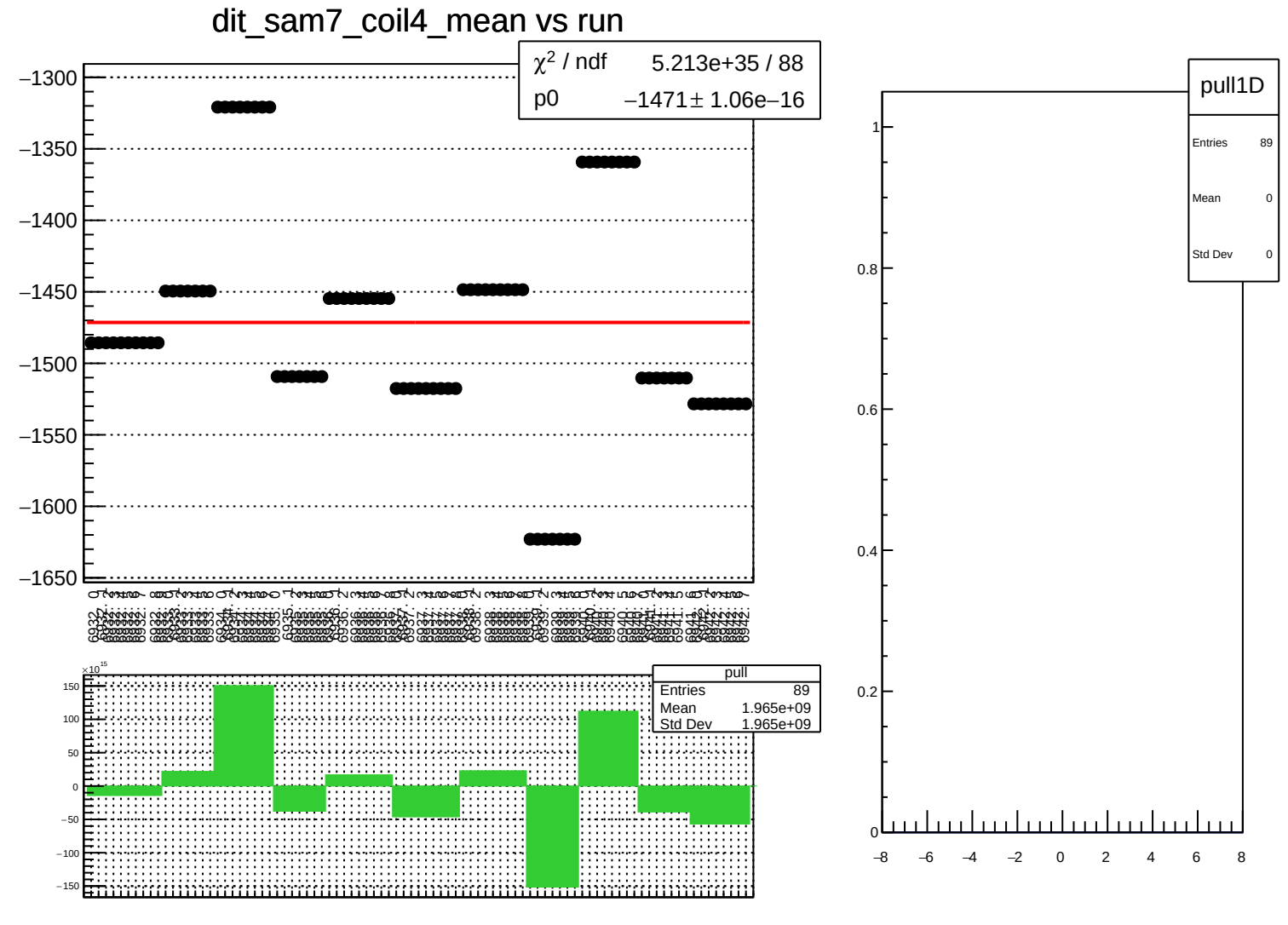

dit_sam5_coil4_err_mean vs run
χ² / ndf 6.434e+34 / 88
p0 149.8 ± 1.06e−16
200
180
160
140
120
100
pull
Entries 89
Mean 1.2e+09
Std Dev 1.2e+09
×10¹⁵
40
20
0
−20
−40
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

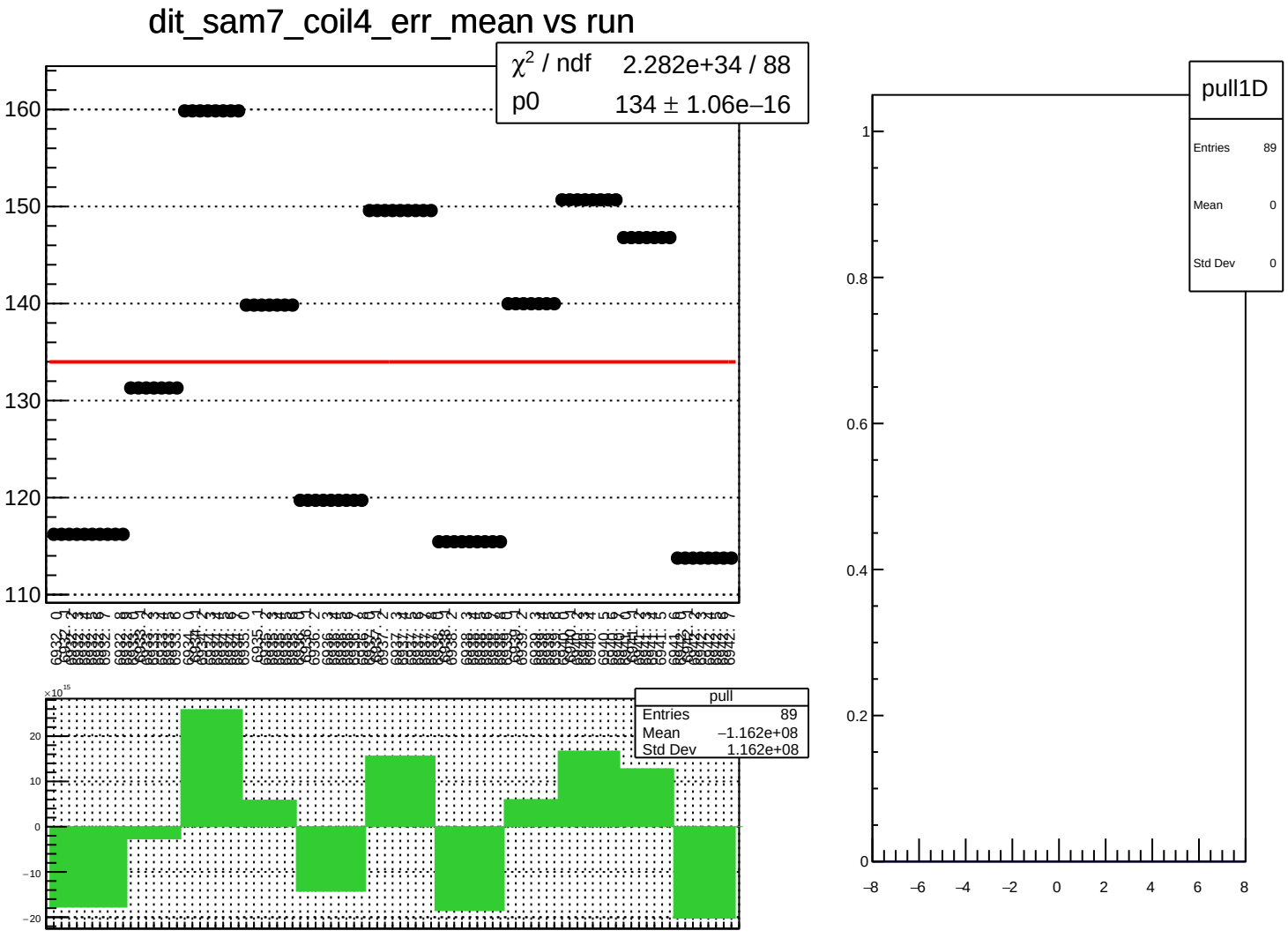

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

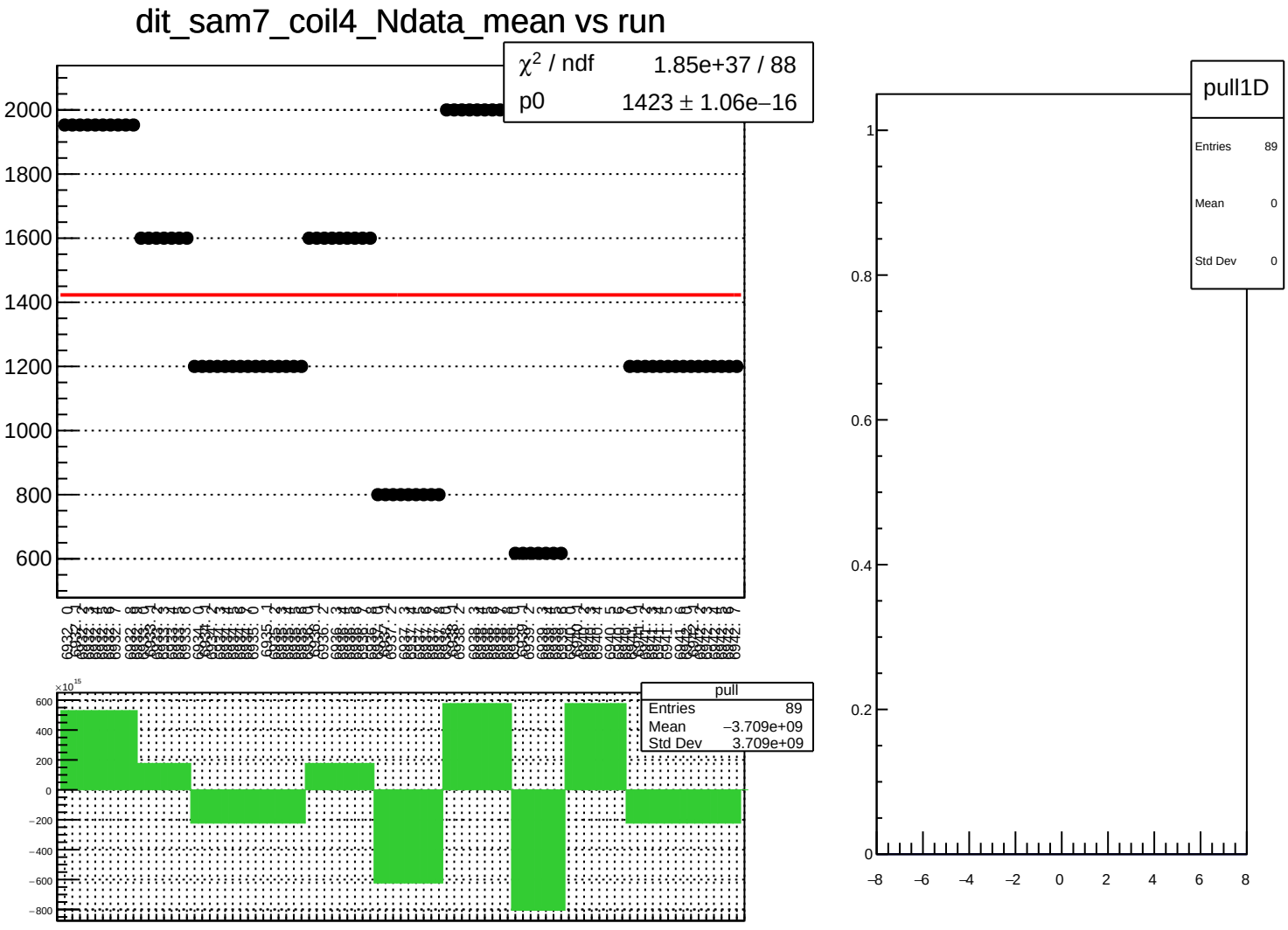

dit_sam6_coil4_mean vs run
χ² / ndf 6.351e+36 / 88
p0 2.202e+04 ± 1.06e−16
22600
22400
22200
22000
21800
pull
Entries 89
Mean −4.347e+09
Std Dev 4.347e+09
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

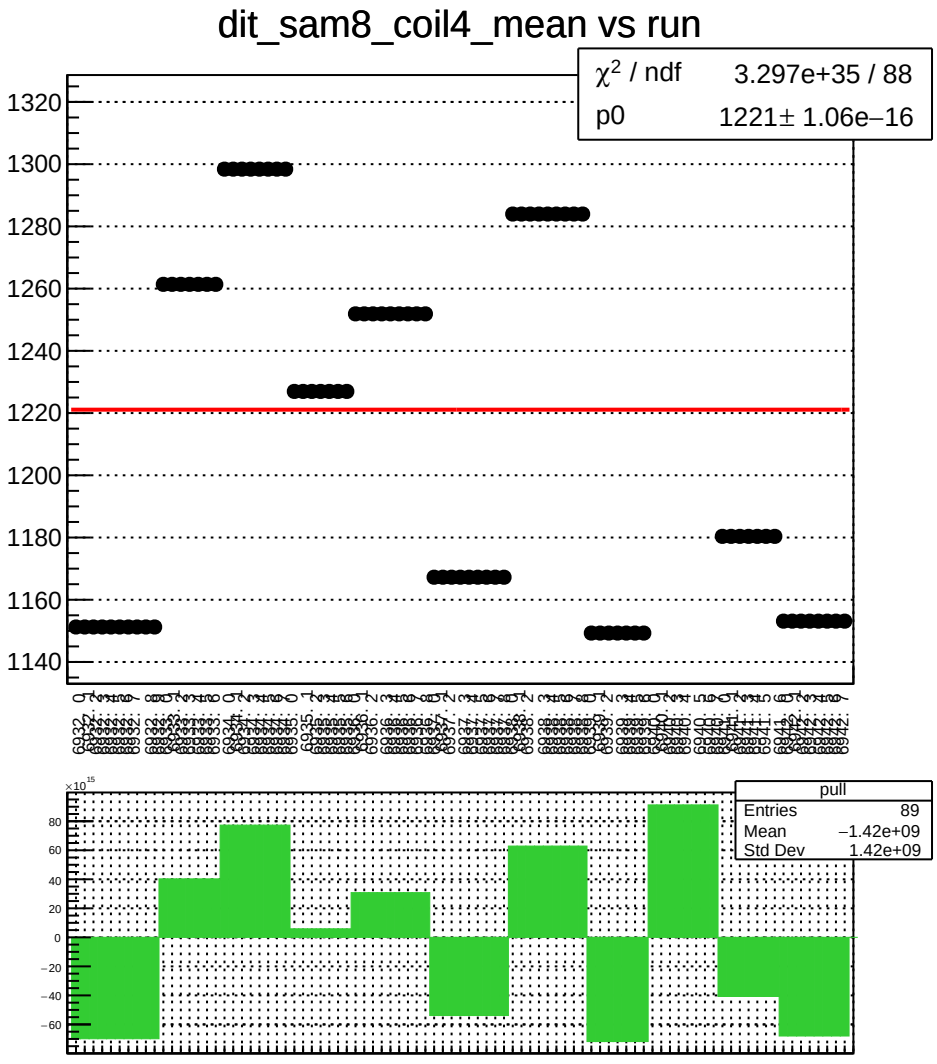

dit_sam6_coil4_err_mean vs run
χ² / ndf 9.608e+34 / 88
p0 229.8 ± 1.06e−16
pull
Entries 89
Mean −3.531e+08
Std Dev 3.531e+08
pull1D
Entries 89
Mean 0
Std Dev 0

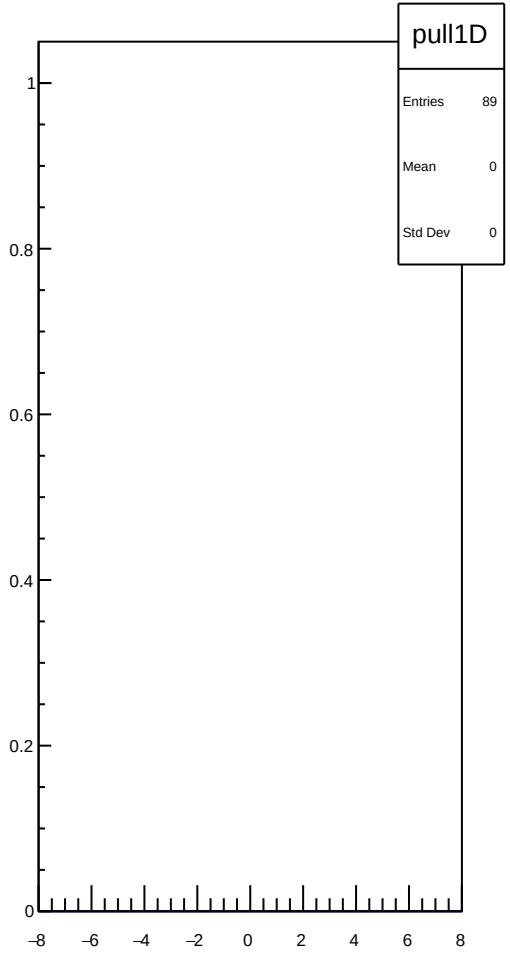

dit_sam6_coil4_Ndata_mean vs run
χ2 / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil4_mean vs run
χ² / ndf 5.213e+35 / 88
p0 −1471 ± 1.06e−16
−1300
−1350
−1400
−1450
−1500
−1550
−1600
−1650
pull
Entries 89
Mean 1.965e+09
Std Dev 1.965e+09
×10¹⁵
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

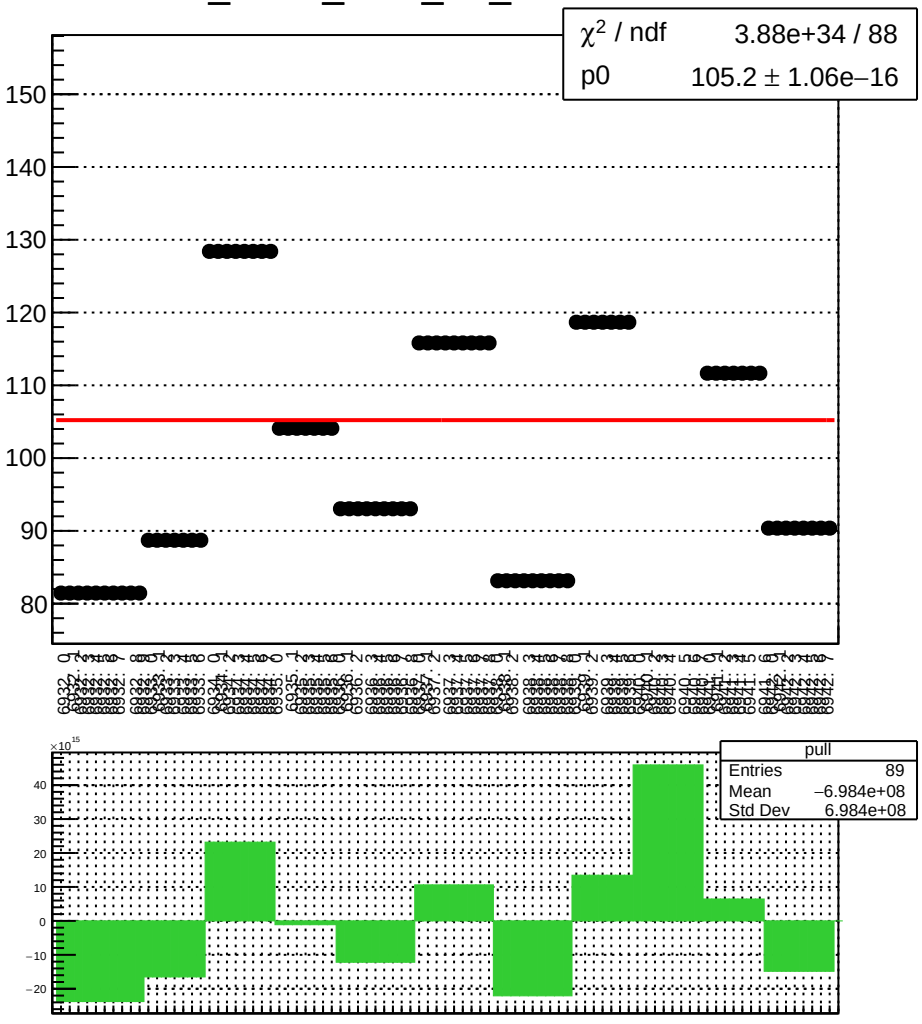

dit_sam7_coil4_err_mean vs run
χ² / ndf 2.282e+34 / 88
p0 134 ± 1.06e−16
160
150
140
130
120
110
pull
Entries 89
Mean −1.162e+08
Std Dev 1.162e+08
×10¹⁵
20
10
0
−10
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

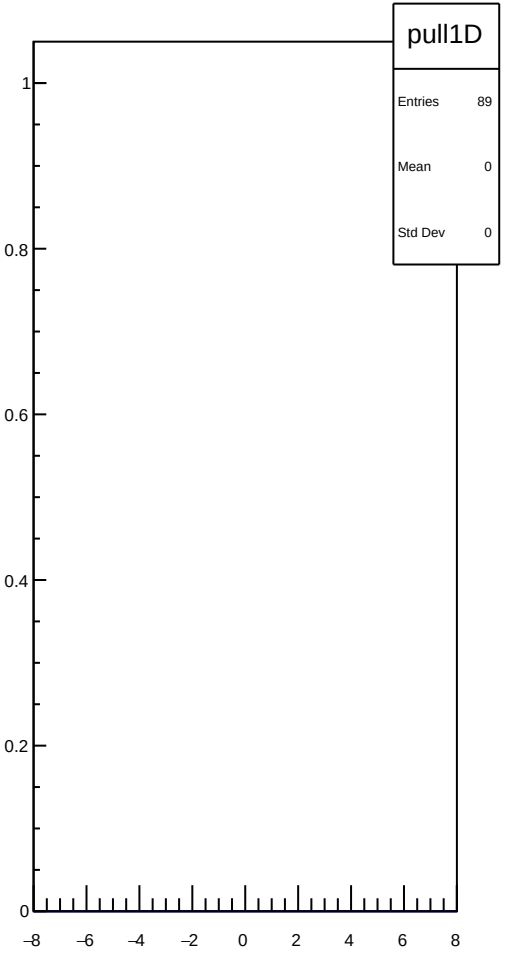

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

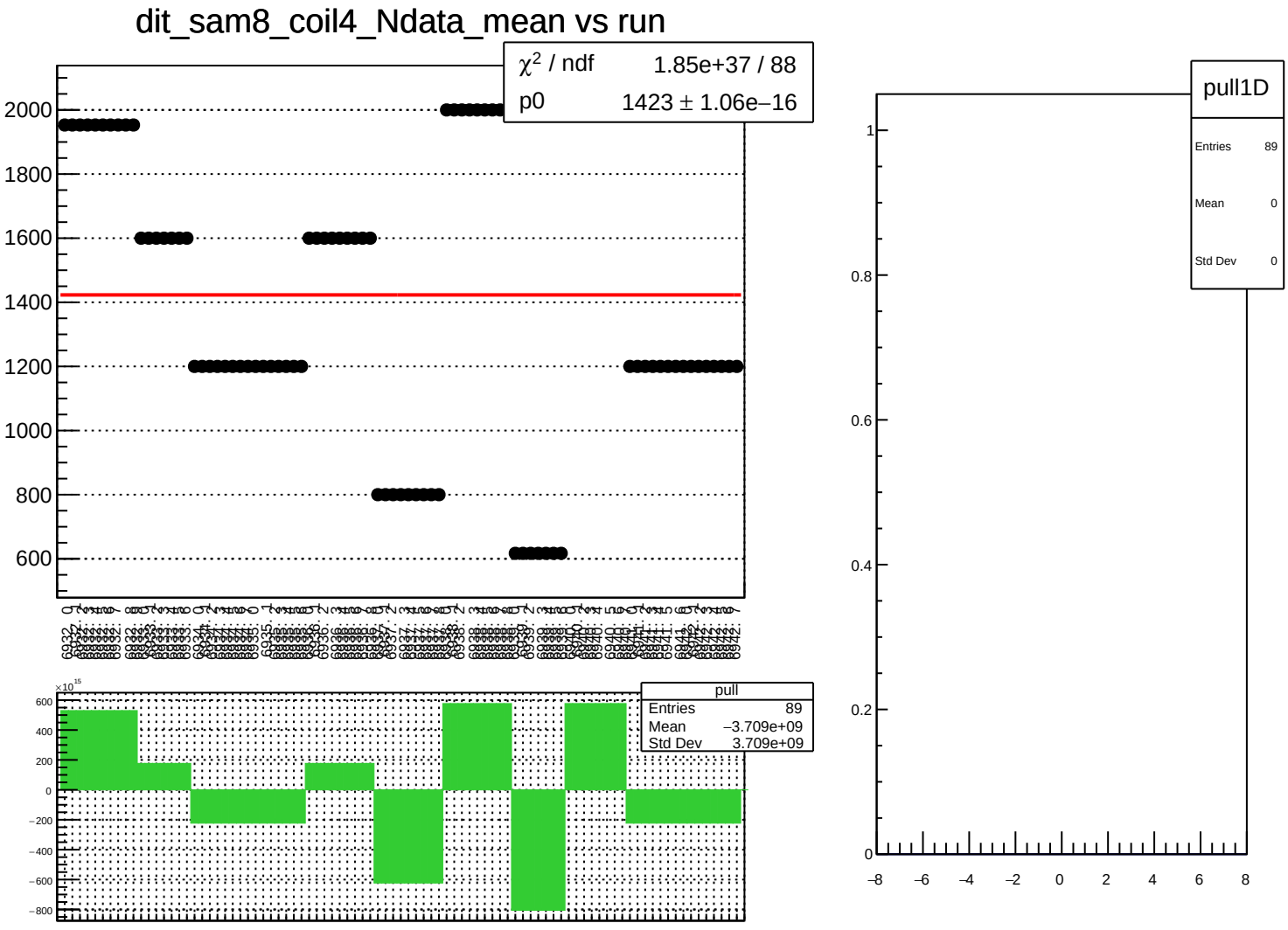

dit_sam8_coil4_mean vs run
χ² / ndf 3.297e+35 / 88
p0 1221± 1.06e−16
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
pull
Entries 89
Mean −1.42e+09
Std Dev 1.42e+09
×10¹⁵
80
60
40
20
0
−20
−40
−60

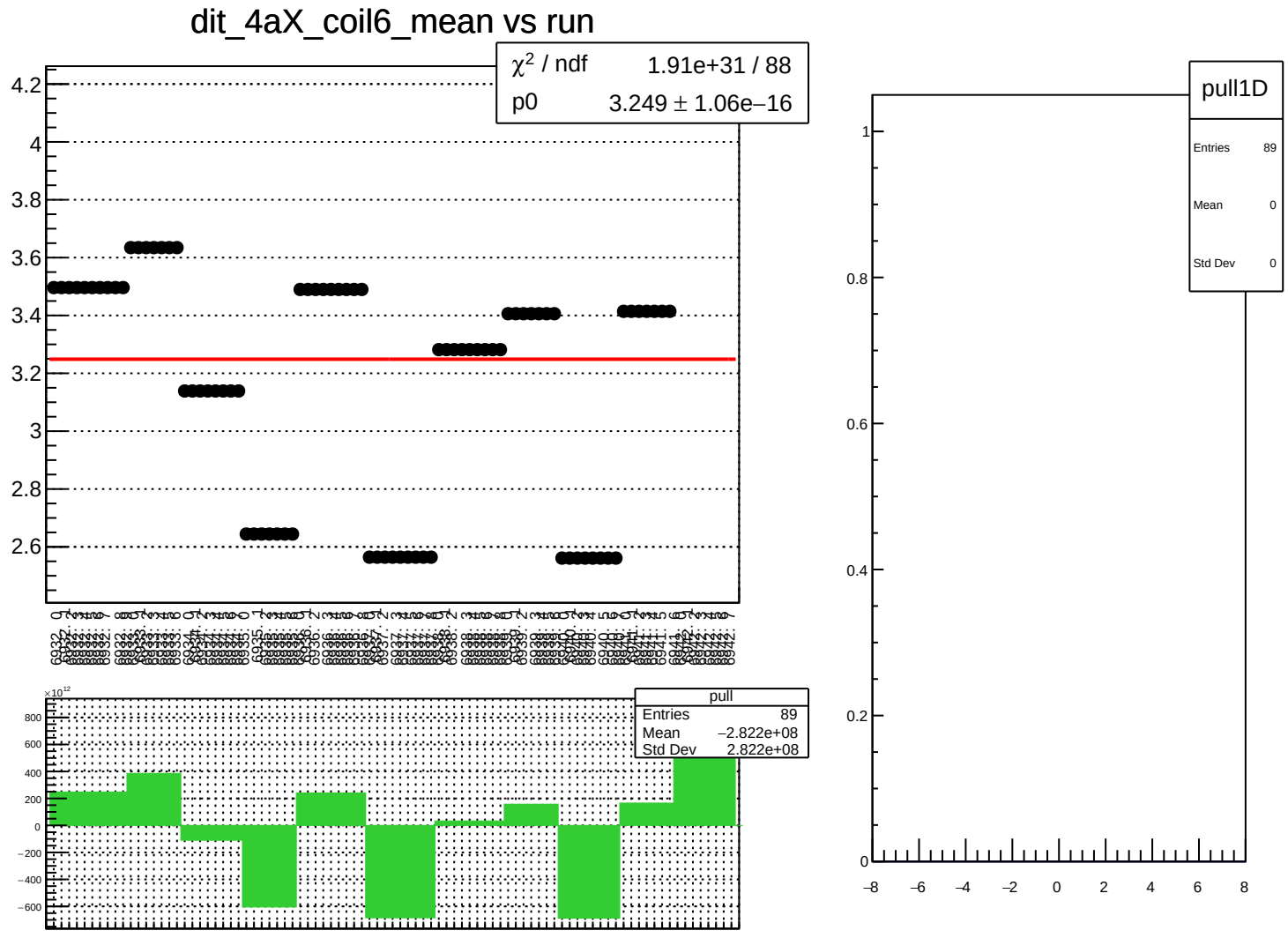

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

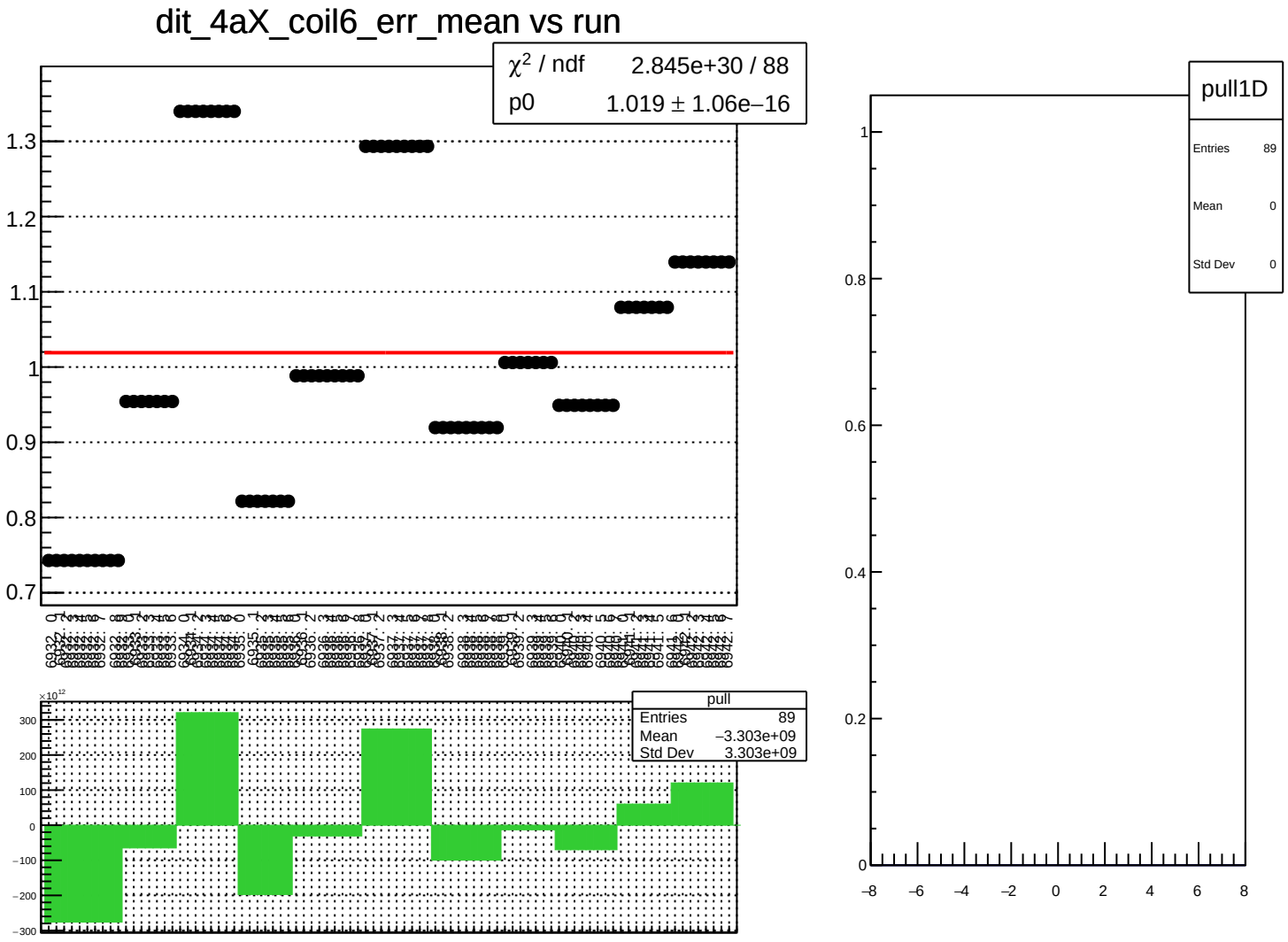
dit_sam8_coil4_err_mean vs run

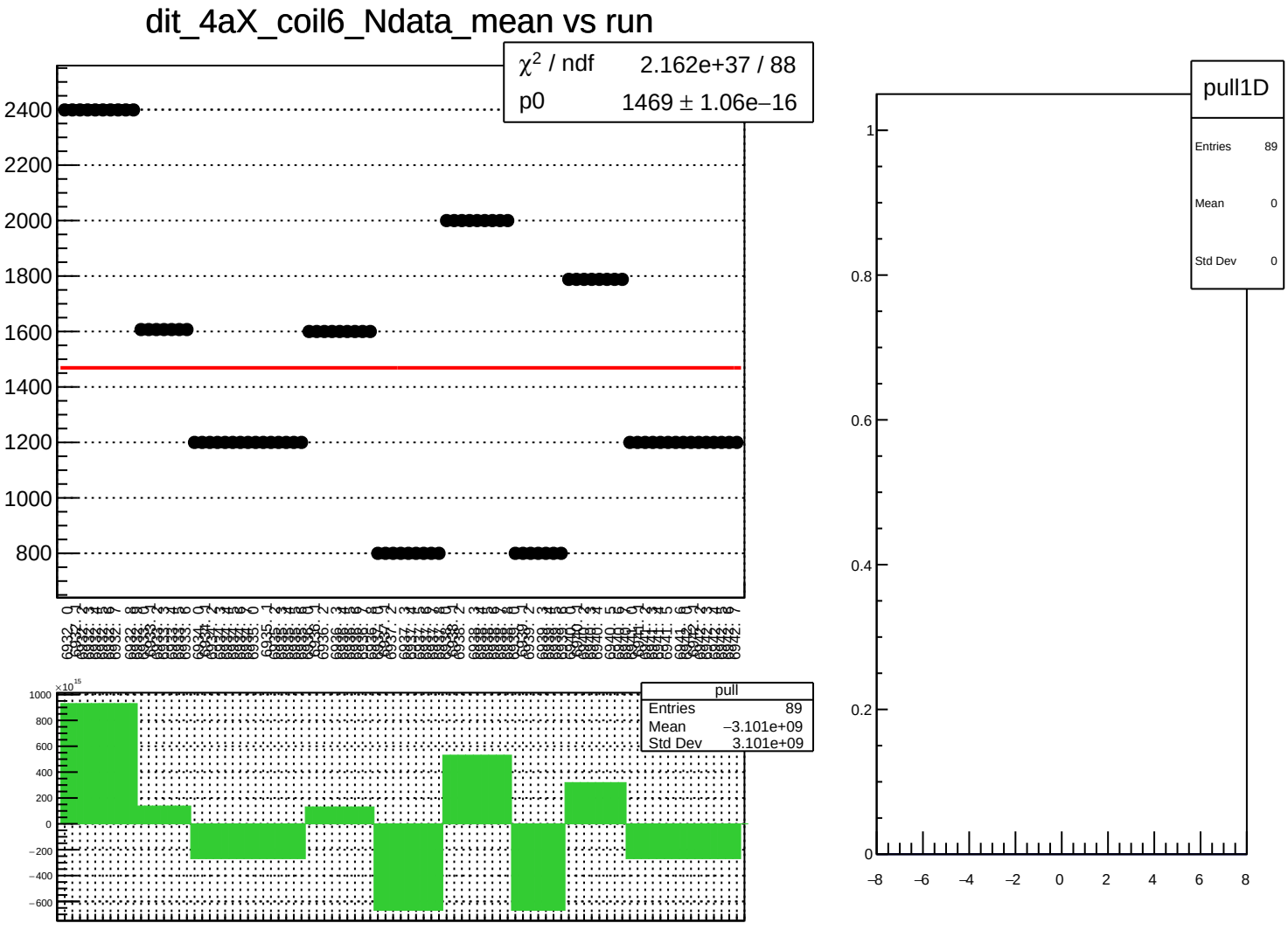


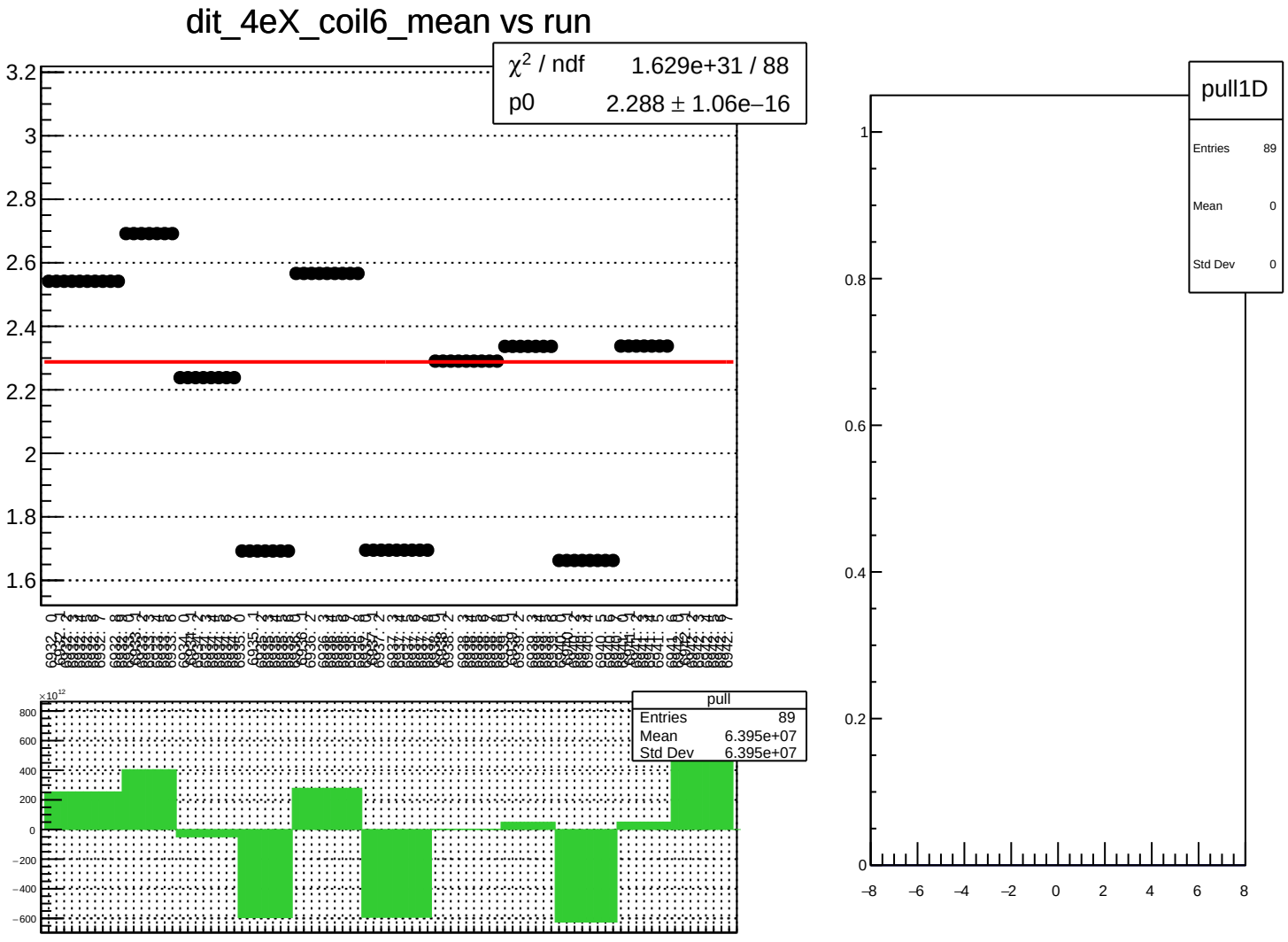



dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.85e+37 / 88
p0 1423 ± 1.06e−16
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 89
Mean −3.709e+09
Std Dev 3.709e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

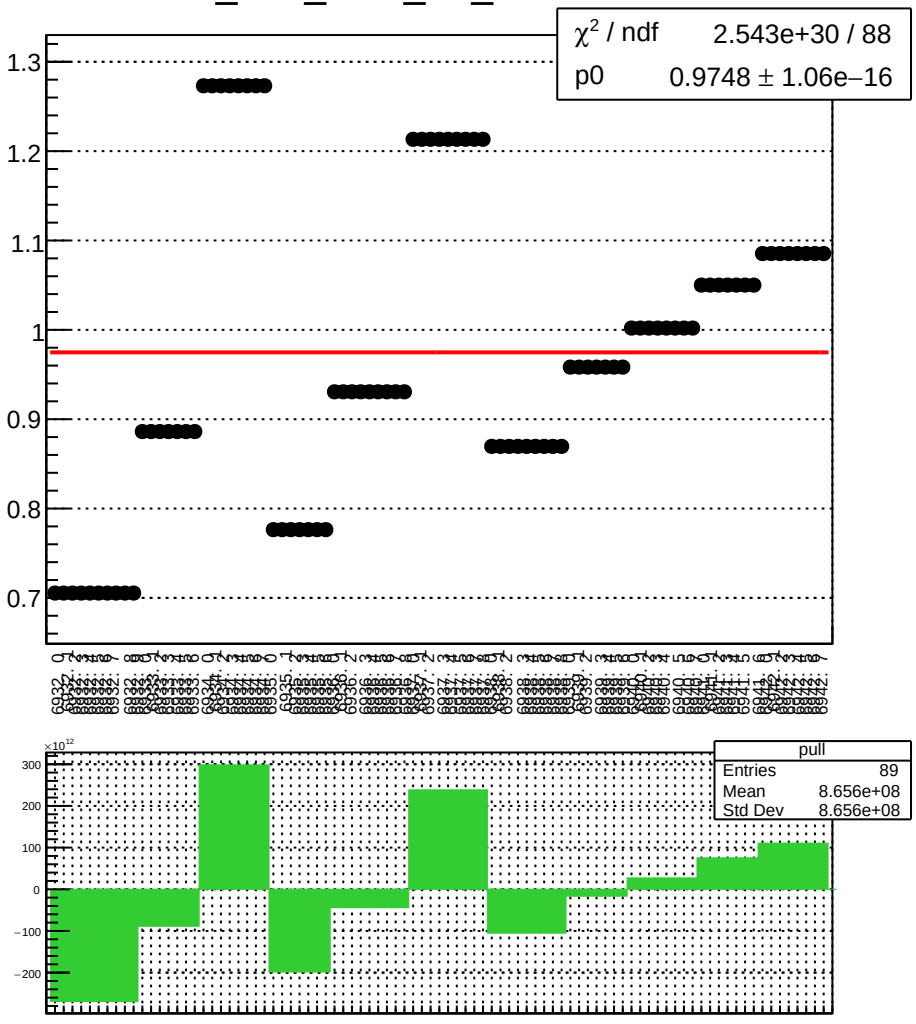

dit_4aX_coil6_mean vs run
χ² / ndf 1.91e+31 / 88
p0 3.249 ± 1.06e−16
pull
Entries 89
Mean −2.822e+08
Std Dev 2.822e+08
pull1D
Entries 89
Mean 0
Std Dev 0

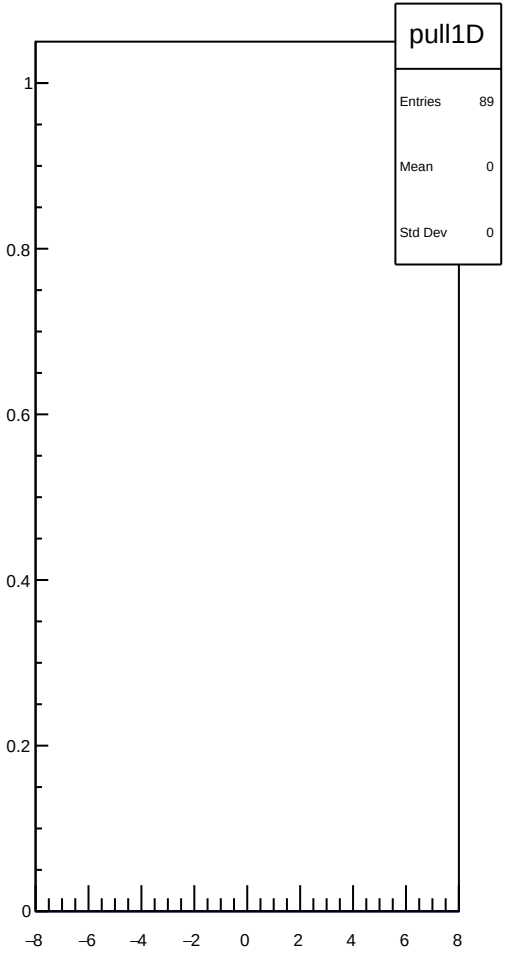

dit_4aX_coil6_err_mean vs run
χ2 / ndf 2.845e+30 / 88
p0 1.019 ± 1.06e−16
pull
Entries 89
Mean −3.303e+09
Std Dev 3.303e+09
pull1D
Entries 89
Mean 0
Std Dev 0

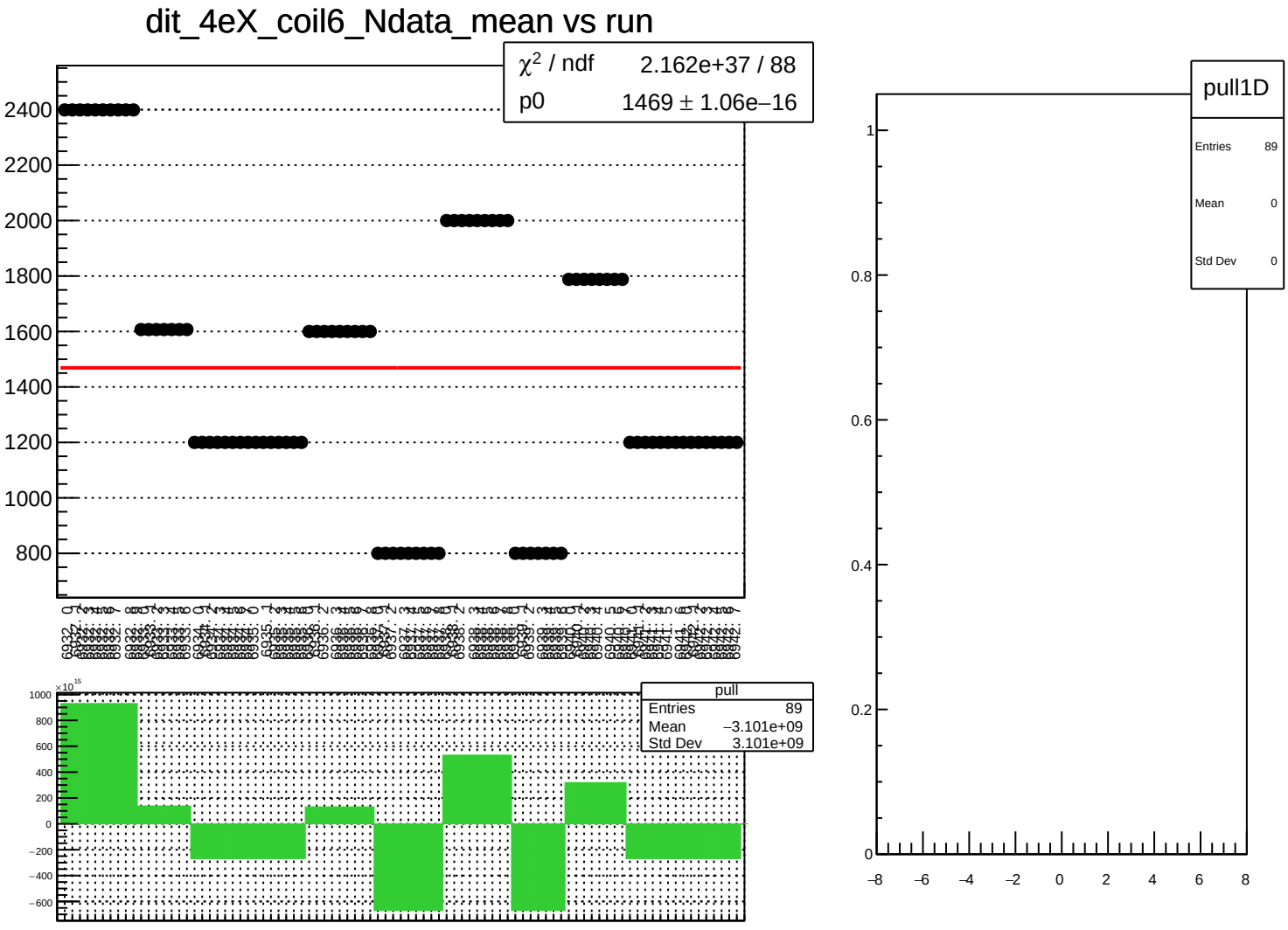

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4eX_coil6_mean vs run
χ^2 / ndf 1.629e+31 / 88
p0 2.288 ± 1.06e−16
pull
Entries 89
Mean 6.395e+07
Std Dev 6.395e+07
pull1D
Entries 89
Mean 0
Std Dev 0

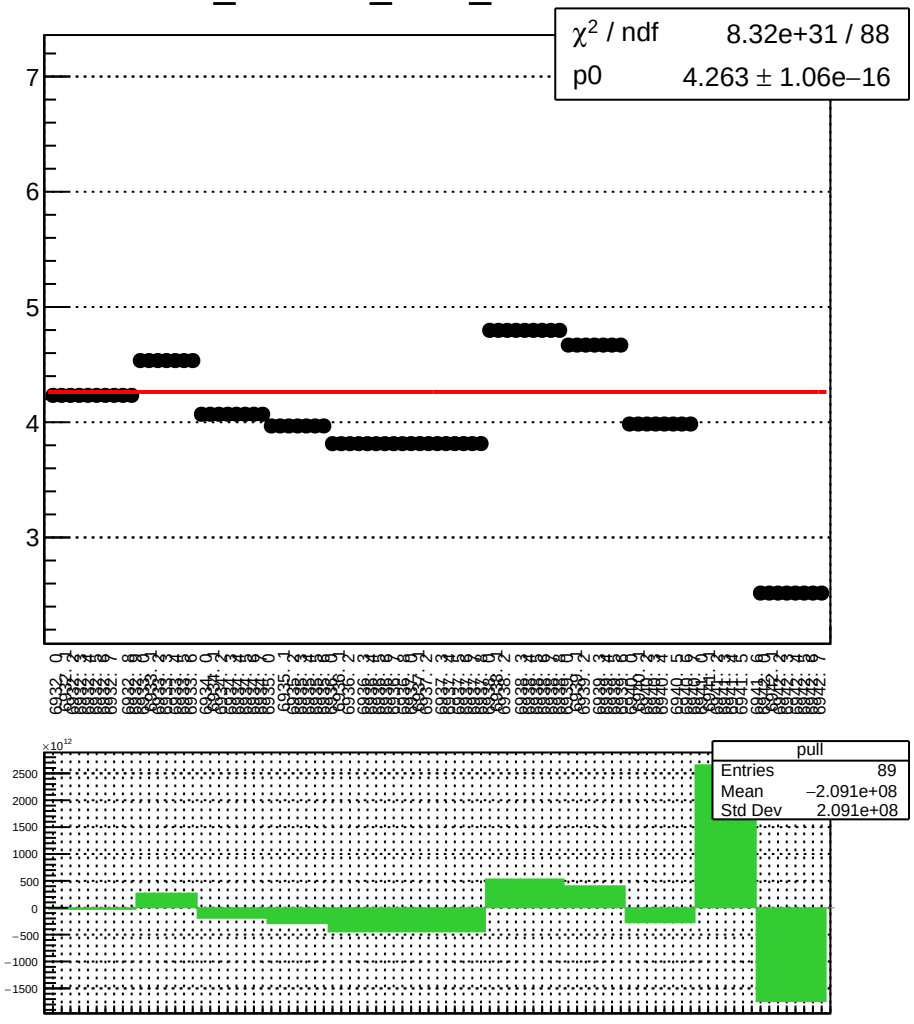
dit_4eX_coil6_err_mean vs run

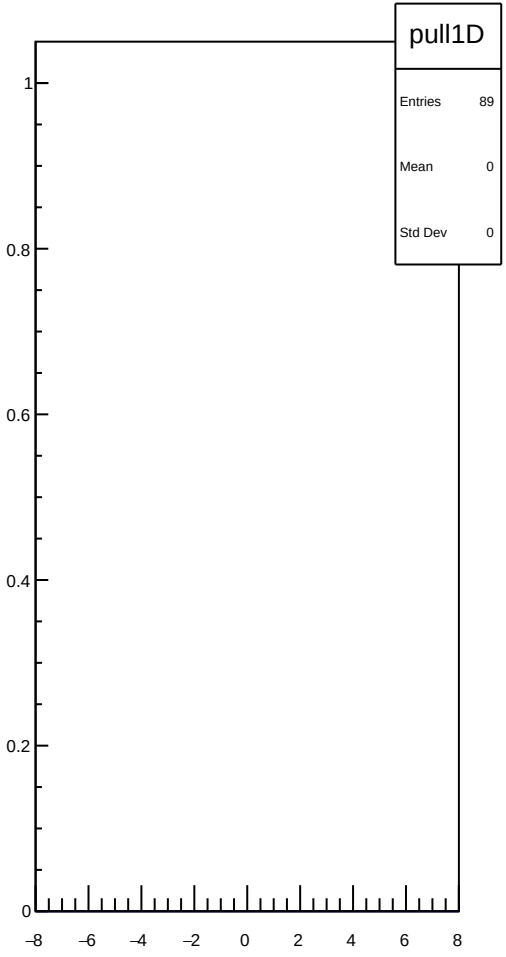




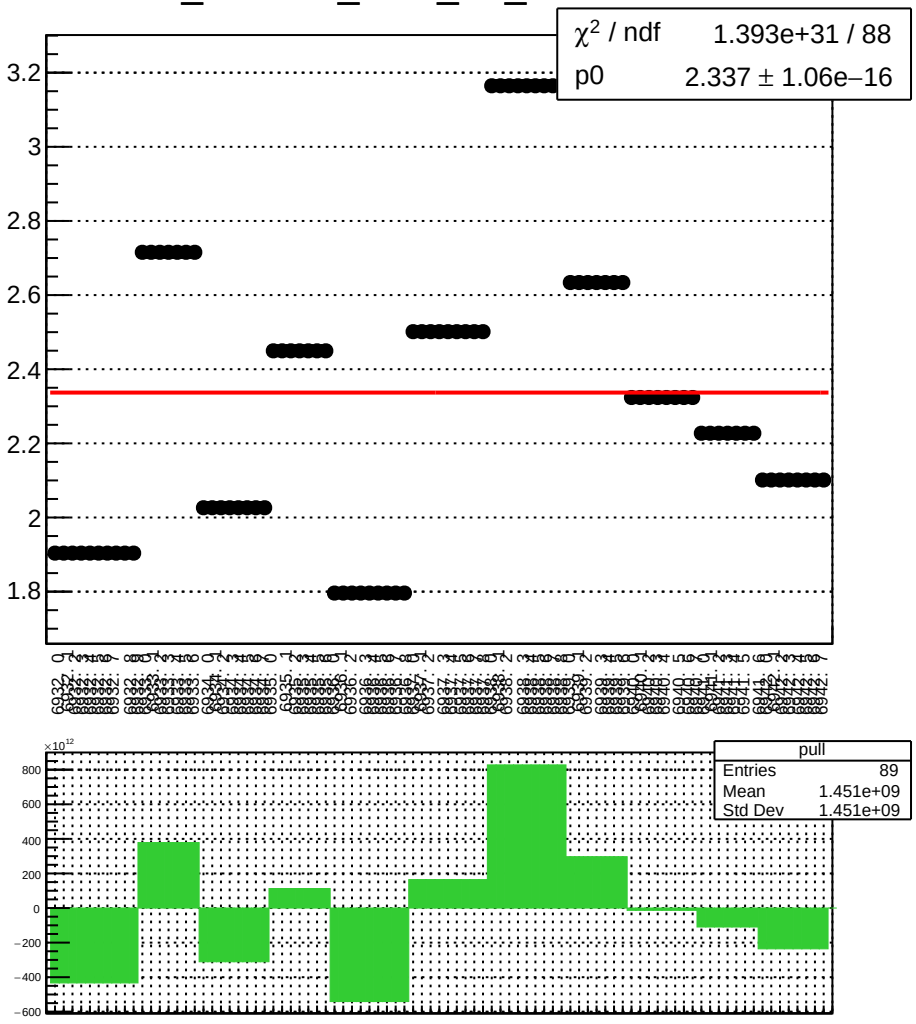

dit_4eX_coil6_Ndata_mean vs run
χ^2 / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

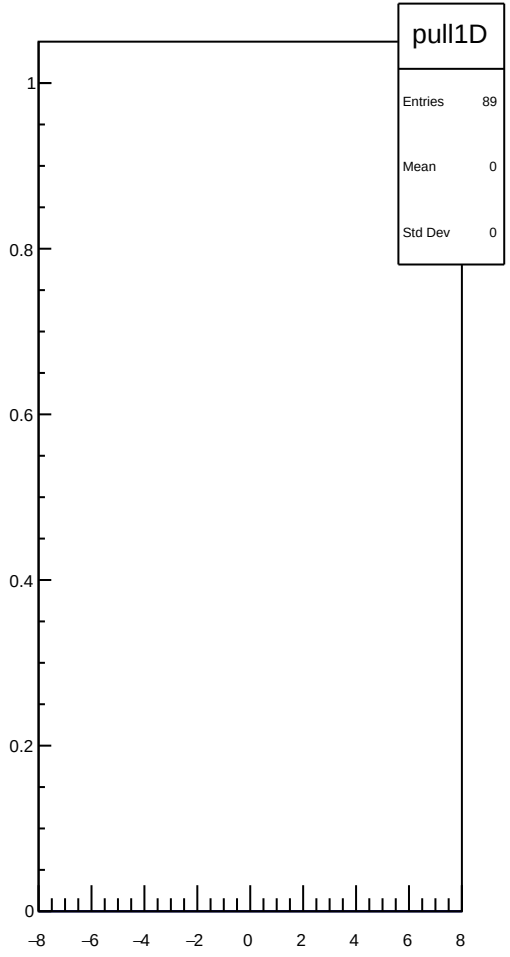
dit_11X12X_coil6_mean vs run

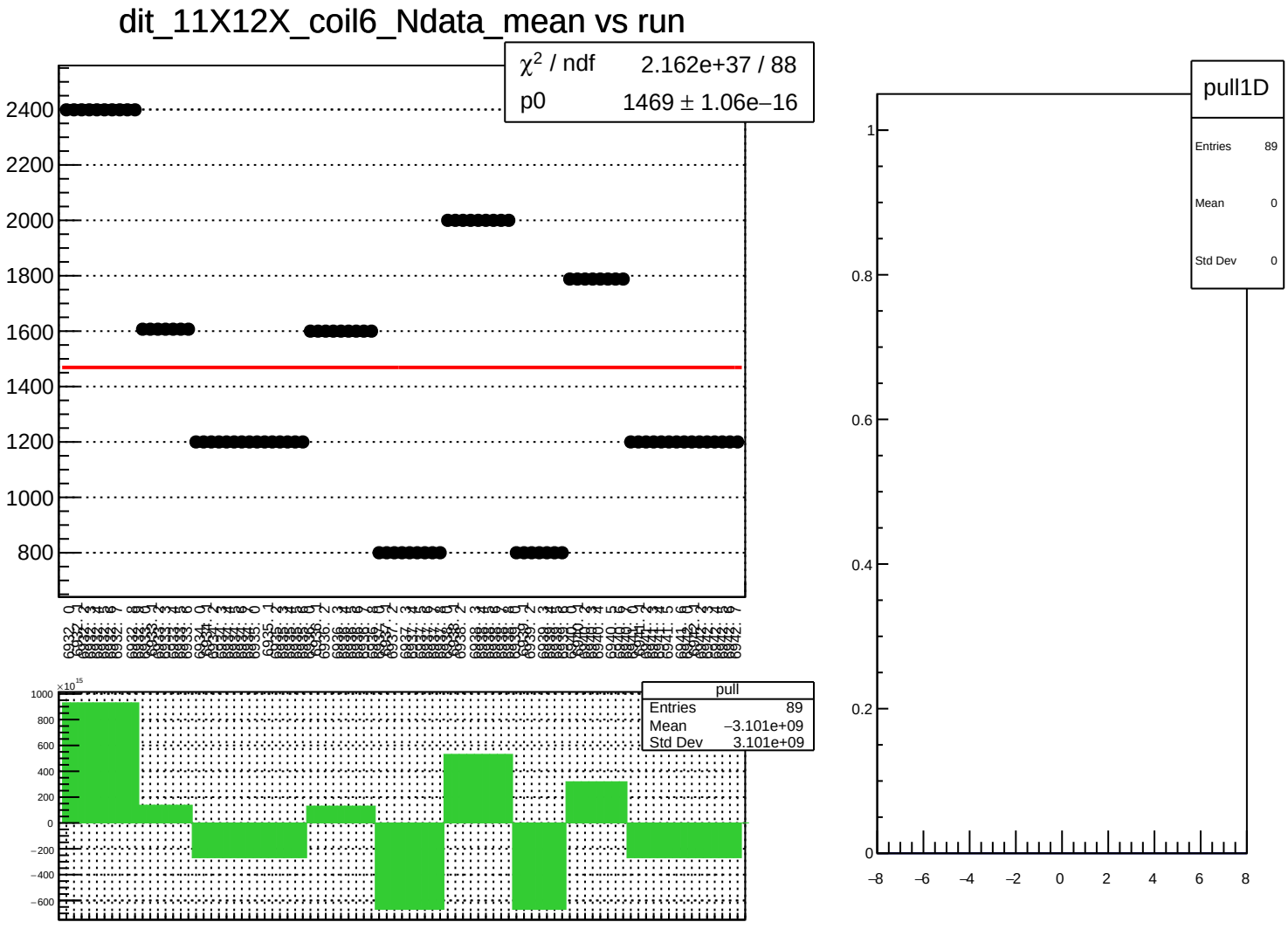


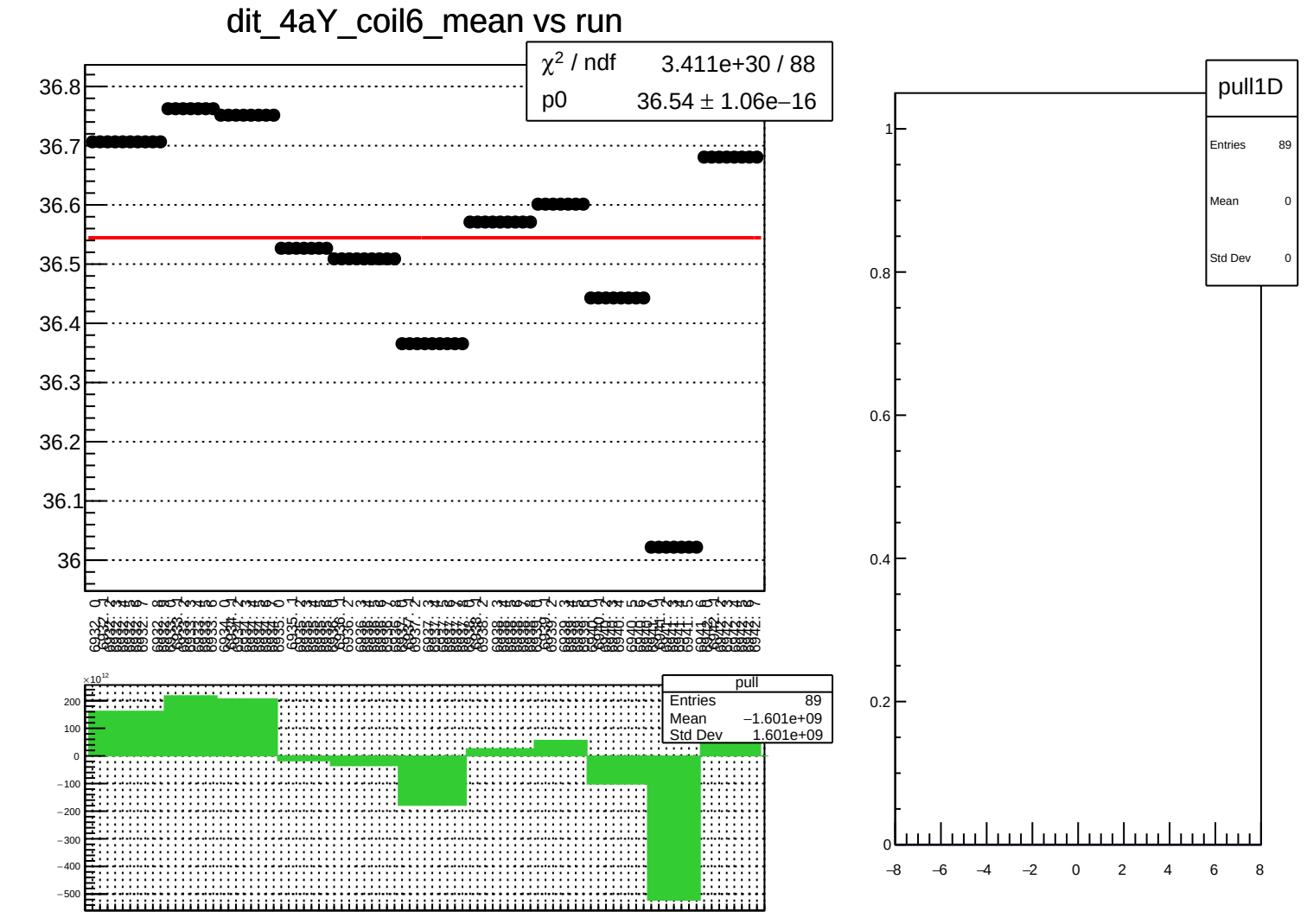


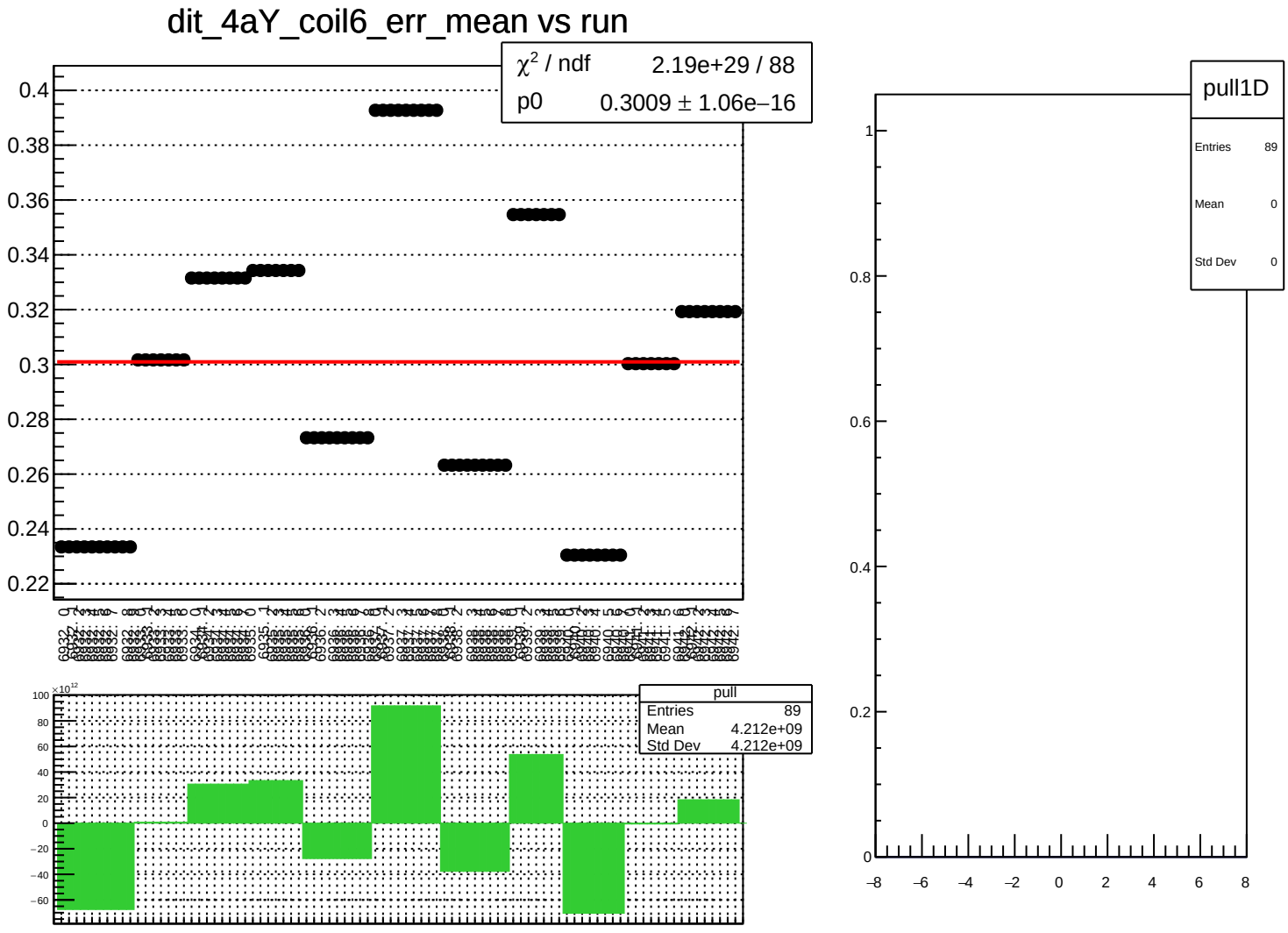
dit_11X12X_coil6_err_mean vs run

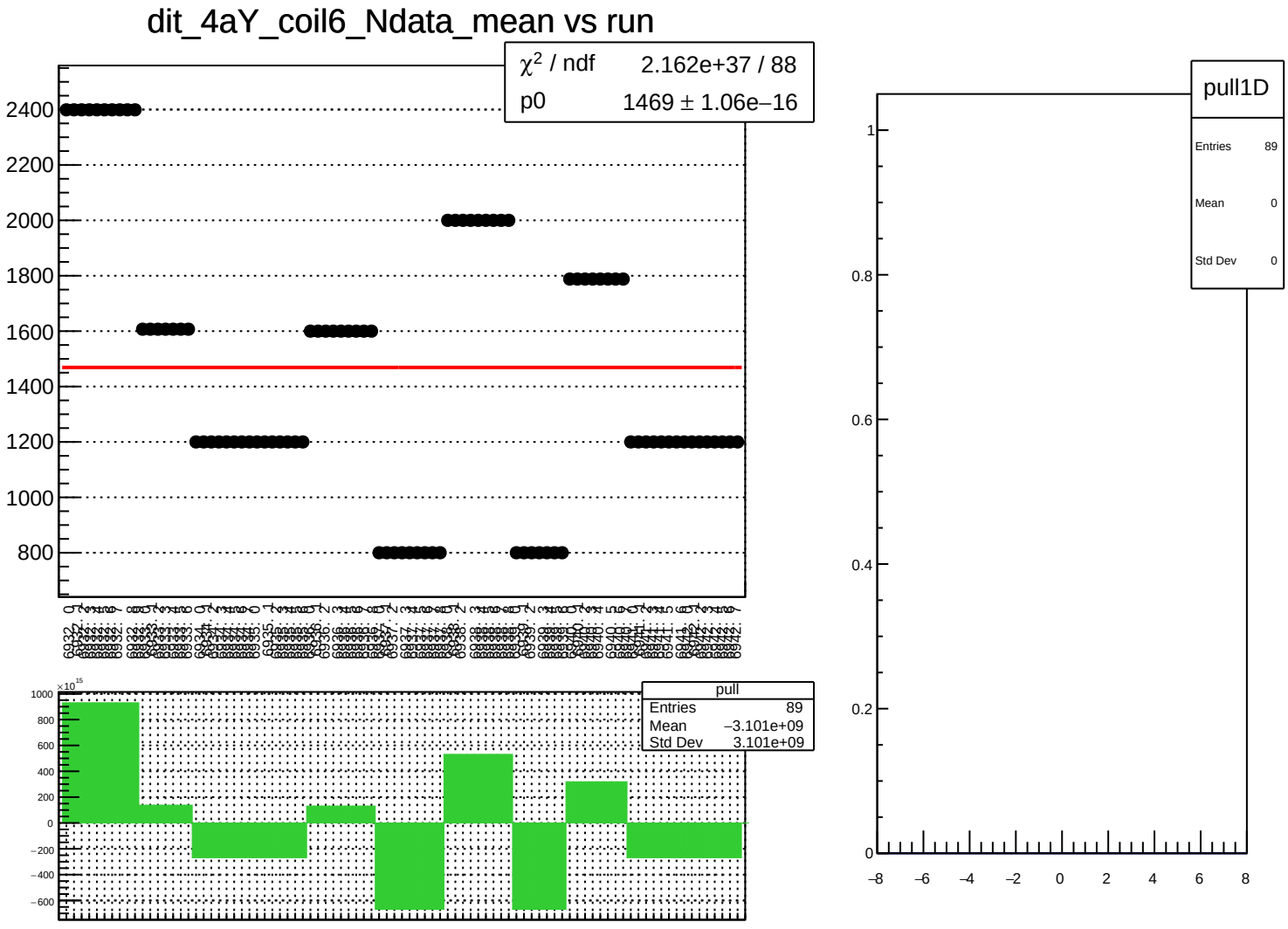


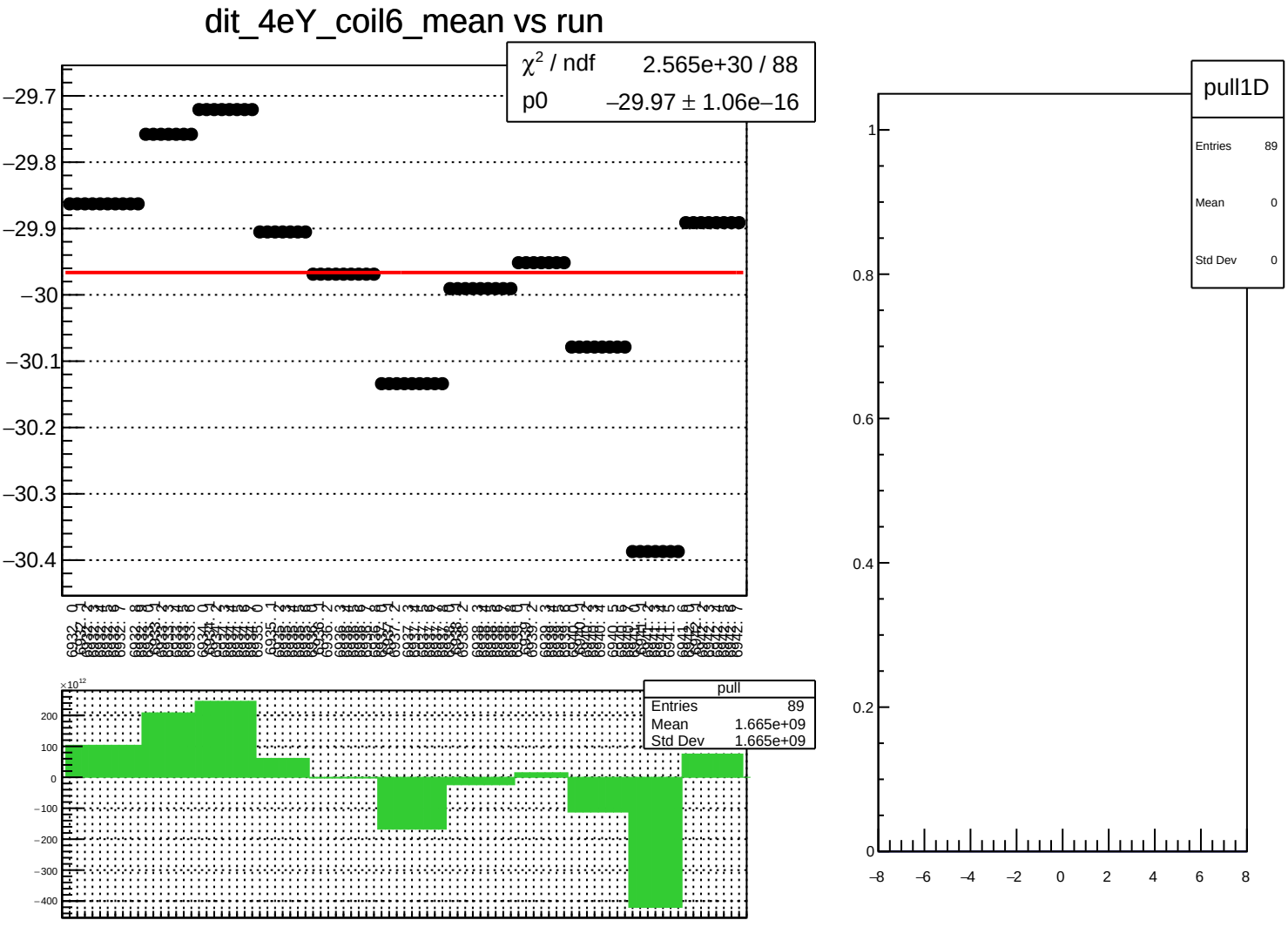


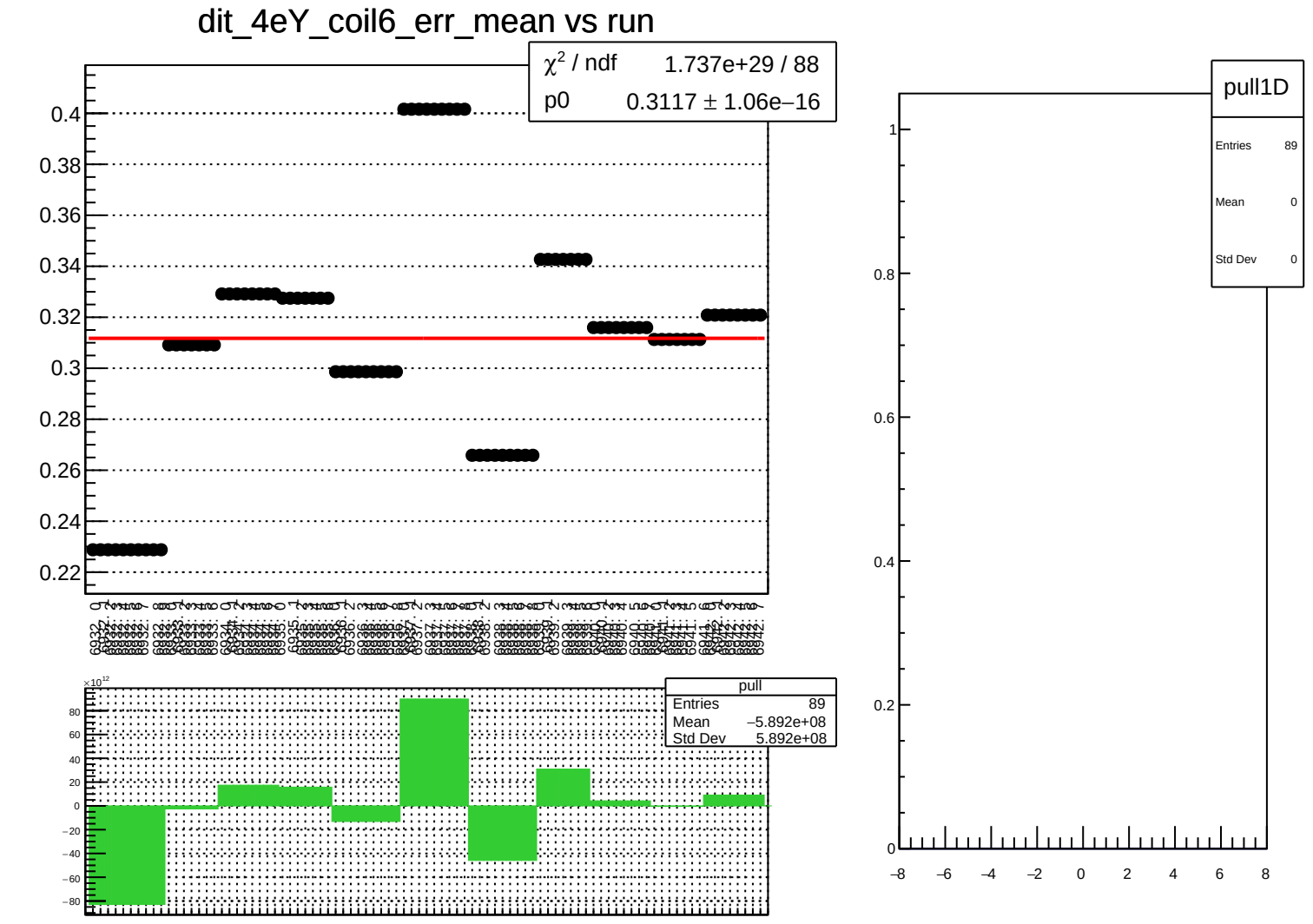

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
pull1D
Entries 89
Mean 0
Std Dev 0

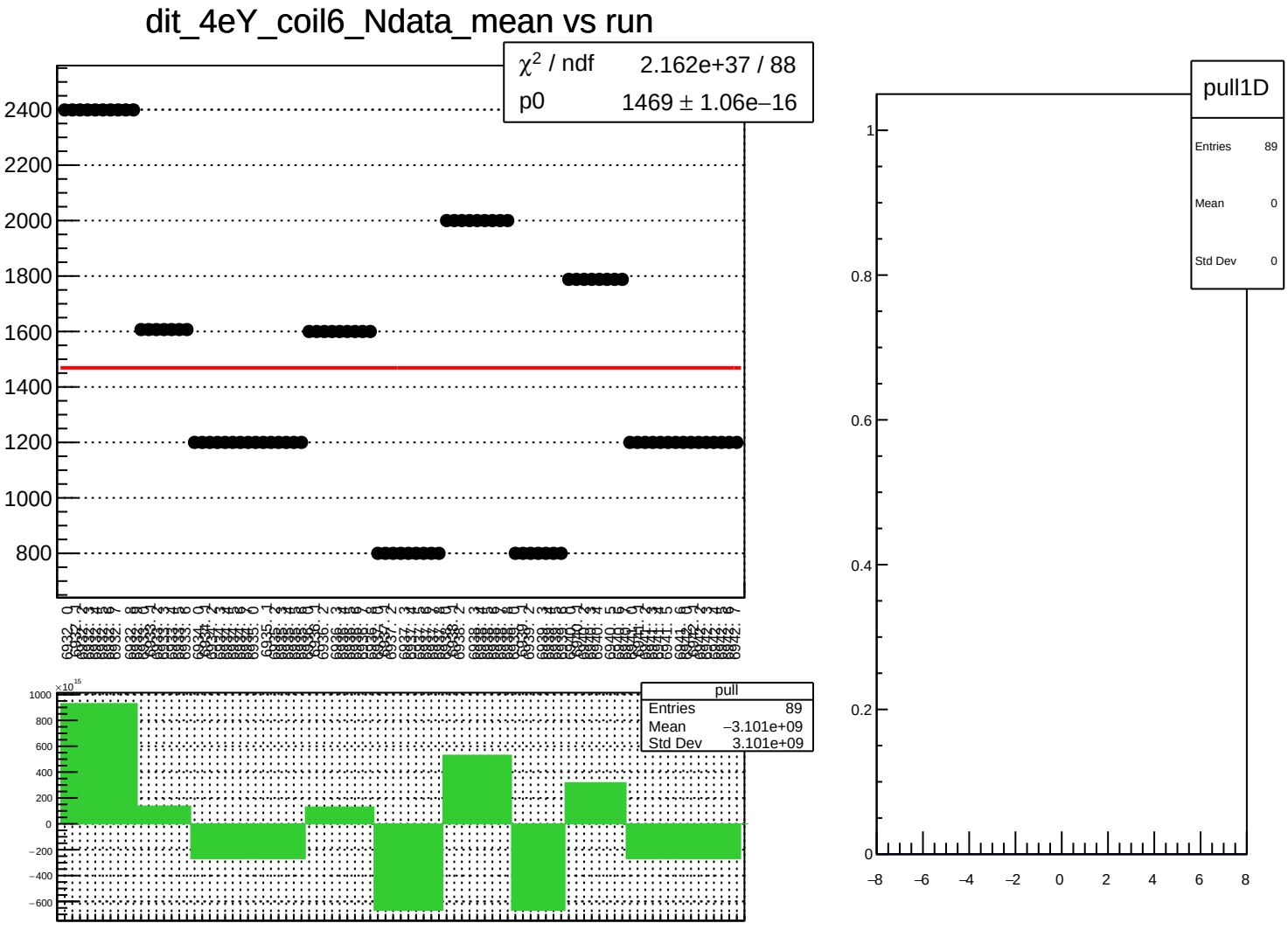

dit_4aY_coil6_mean vs run
χ² / ndf 3.411e+30 / 88
p0 36.54 ± 1.06e−16
36.8
36.7
36.6
36.5
36.4
36.3
36.2
36.1
36
pull
Entries 89
Mean −1.601e+09
Std Dev 1.601e+09
×10¹²
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

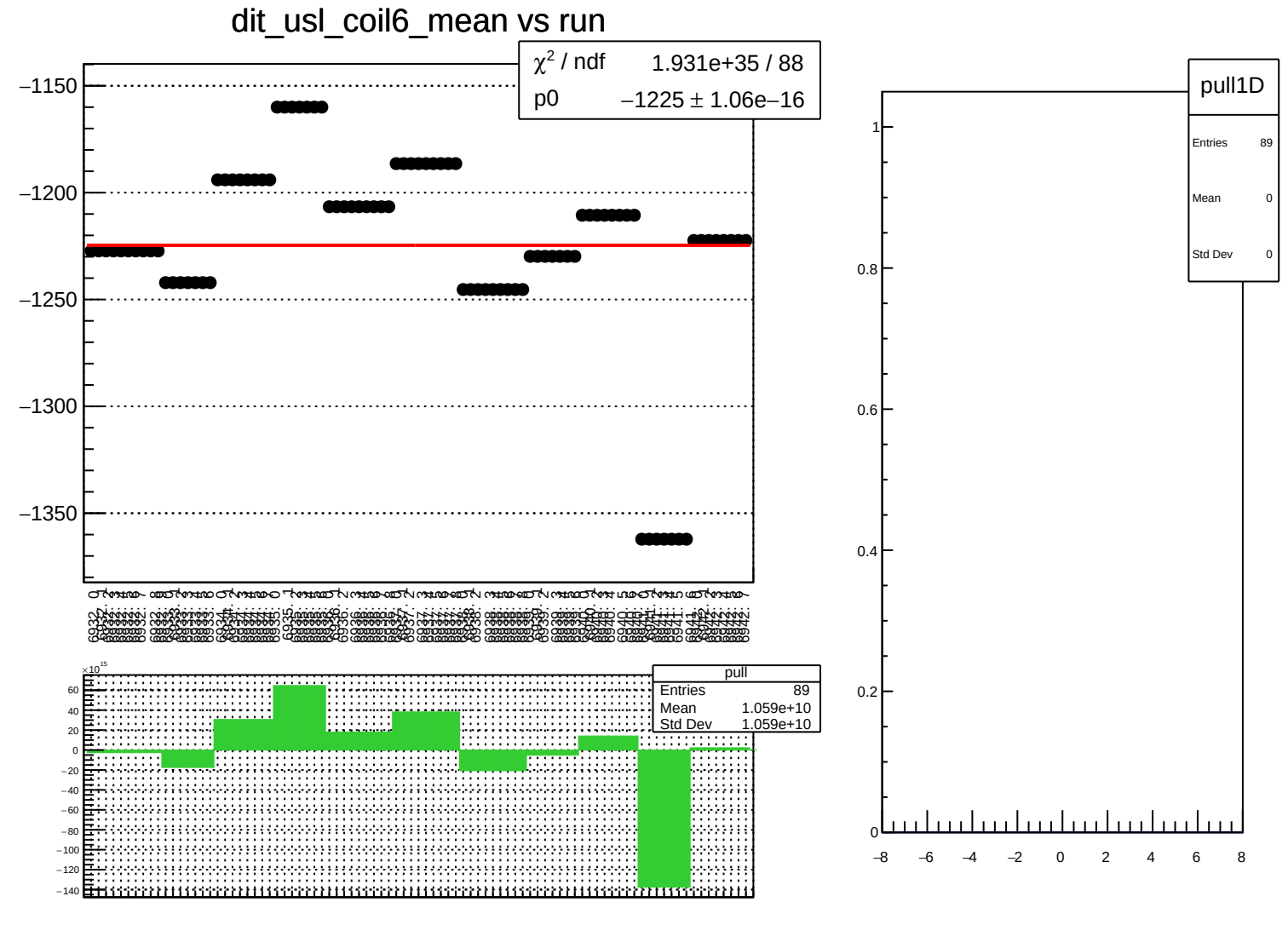

dit_4aY_coil6_err_mean vs run
χ² / ndf 2.19e+29 / 88
p0 0.3009 ± 1.06e−16
pull
Entries 89
Mean 4.212e+09
Std Dev 4.212e+09
pull1D
Entries 89
Mean 0
Std Dev 0

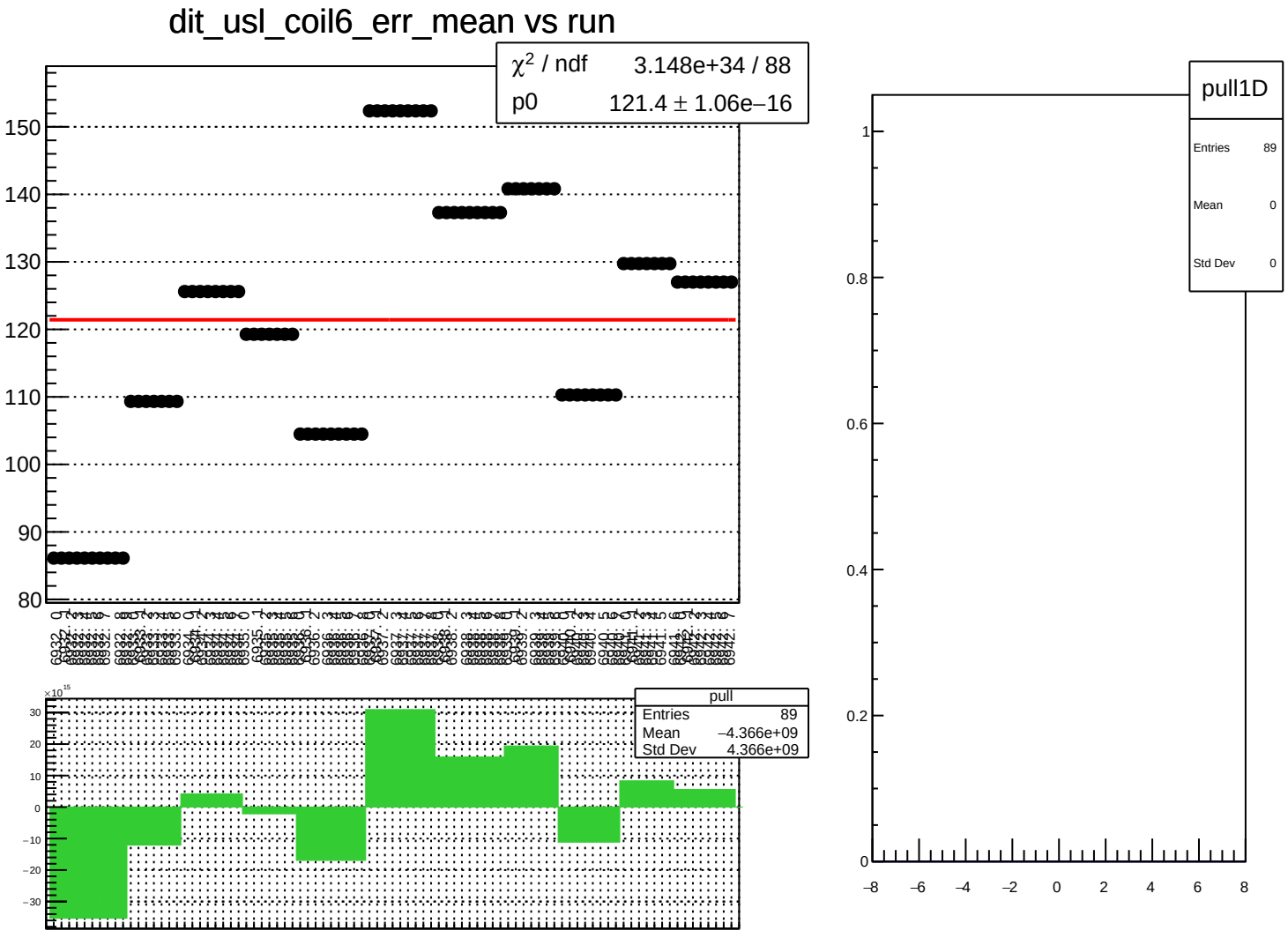

dit_4aY_coil6_Ndata_mean vs run
χ^2 / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10^15
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

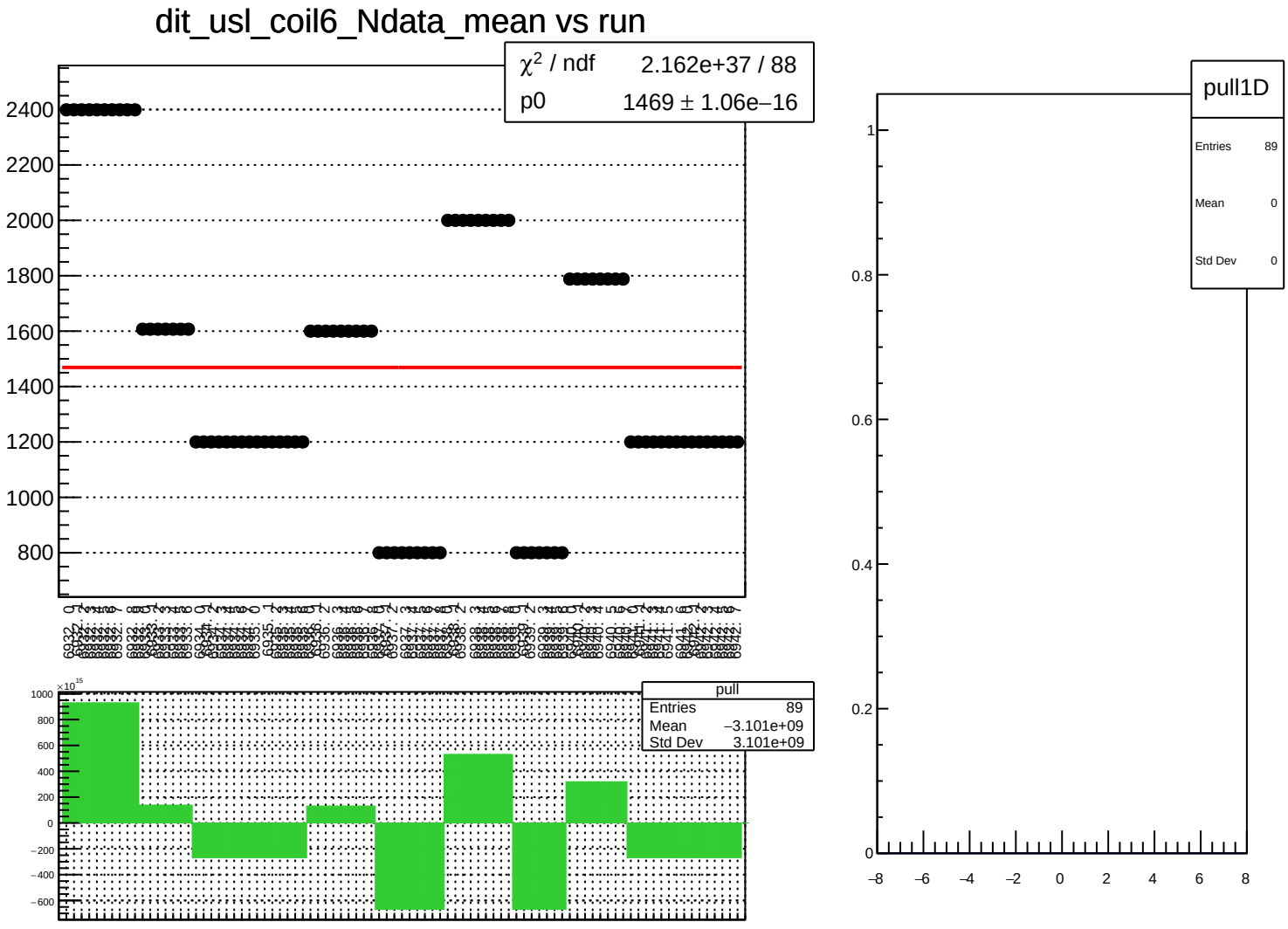

dit_4eY_coil6_mean vs run
χ² / ndf 2.565e+30 / 88
p0 −29.97 ± 1.06e−16
−29.7
−29.8
−29.9
−30
−30.1
−30.2
−30.3
−30.4
pull
Entries 89
Mean 1.665e+09
Std Dev 1.665e+09
×10¹²
200
100
0
−100
−200
−300
−400
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

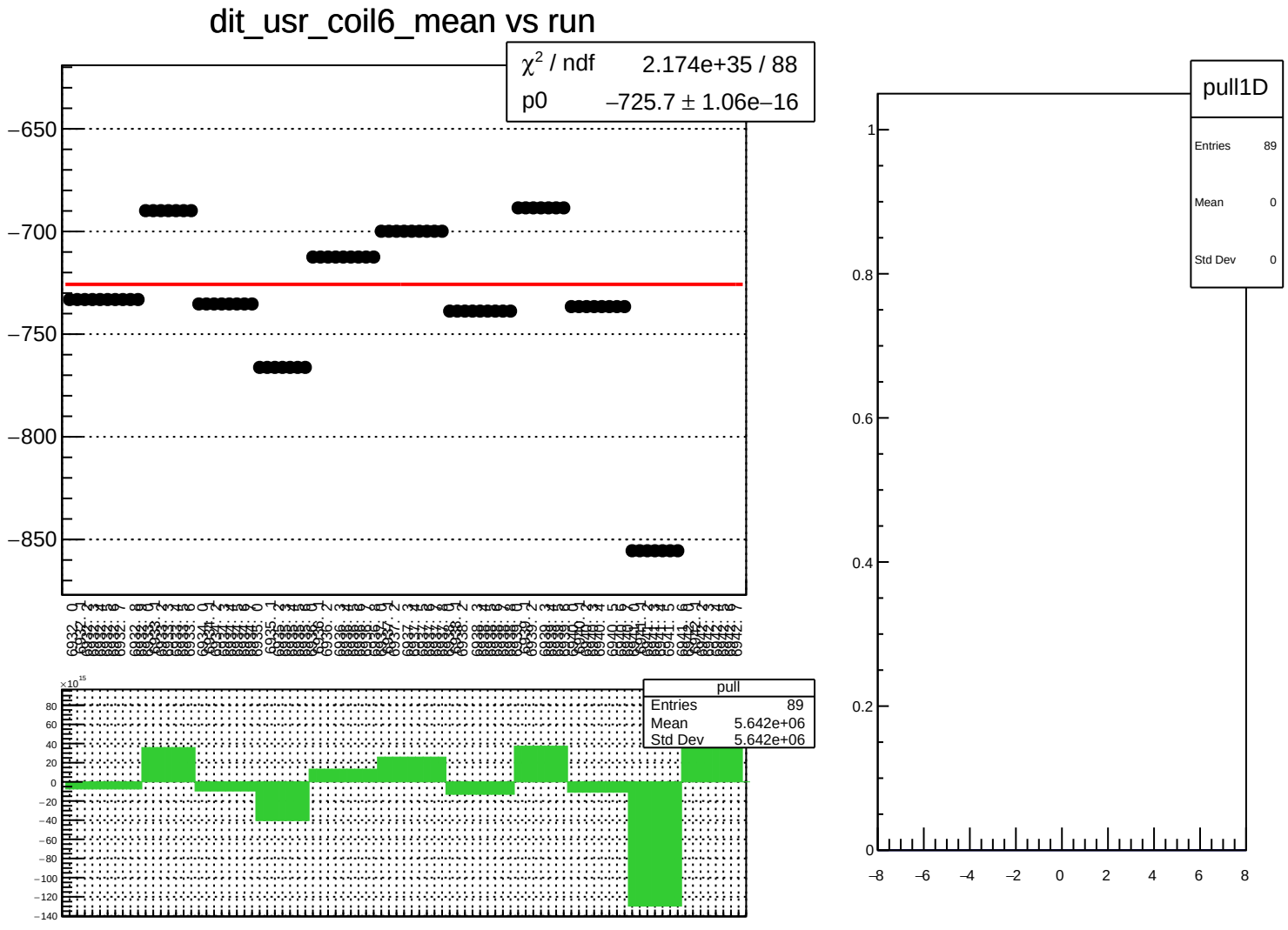

dit_4eY_coil6_err_mean vs run
χ^2 / ndf 1.737e+29 / 88
p0 0.3117 ± 1.06e−16
pull
Entries 89
Mean −5.892e+08
Std Dev 5.892e+08
pull1D
Entries 89
Mean 0
Std Dev 0

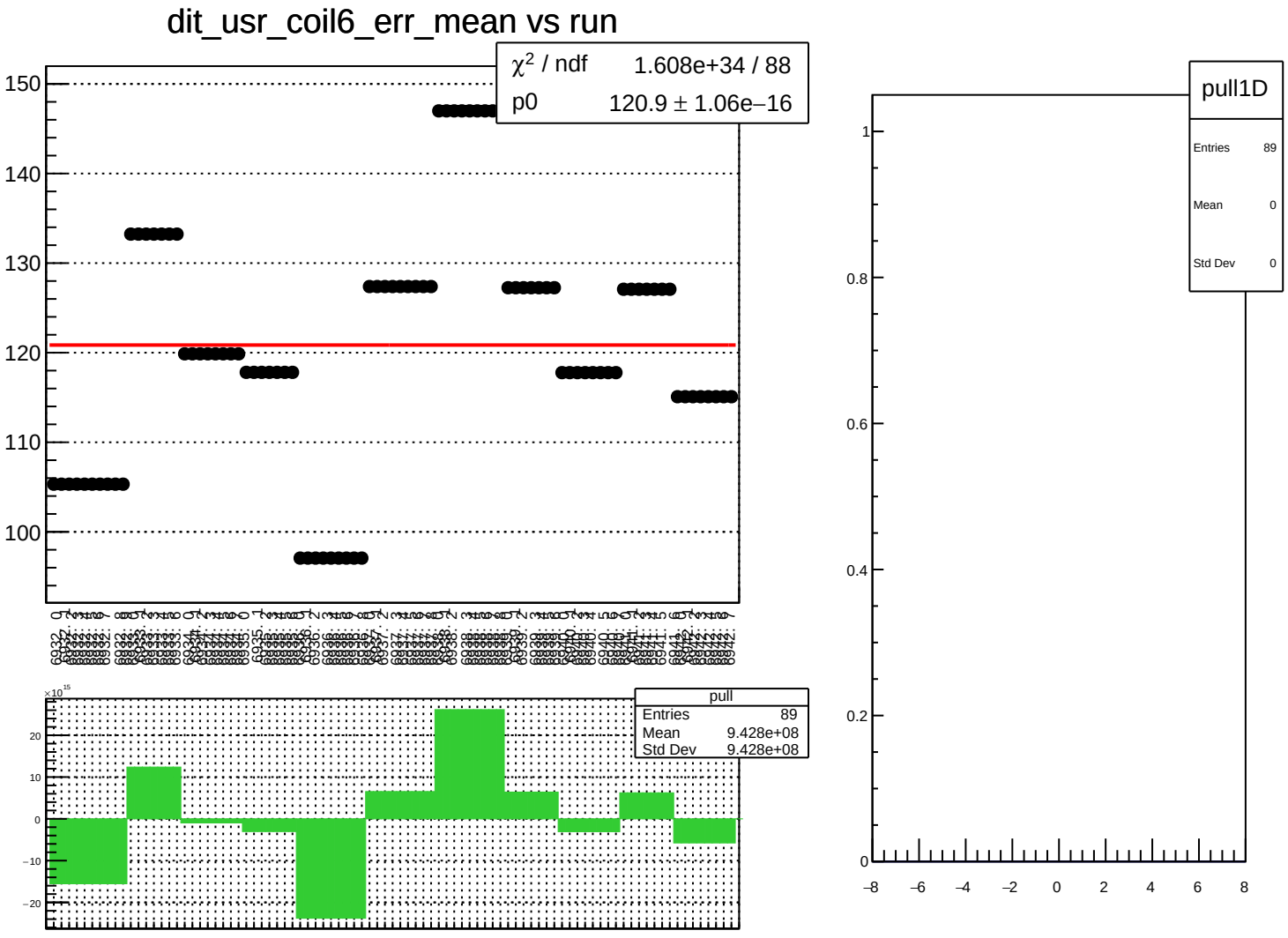

dit_4eY_coil6_Ndata_mean vs run
χ^2 / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

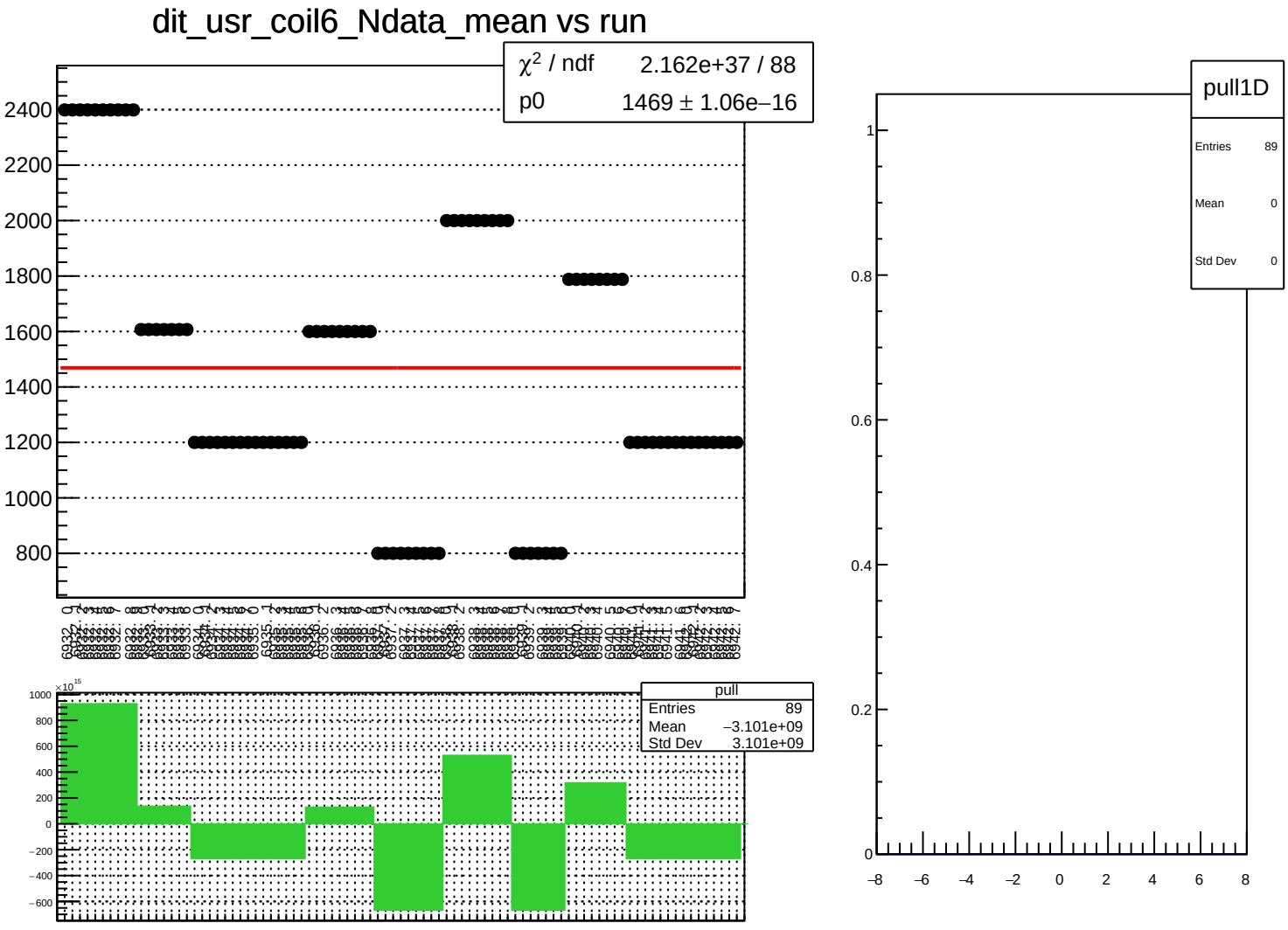

dit_usl_coil6_mean vs run
χ² / ndf 1.931e+35 / 88
p0 −1225 ± 1.06e−16
−1150
−1200
−1250
−1300
−1350
pull
Entries 89
Mean 1.059e+10
Std Dev 1.059e+10
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

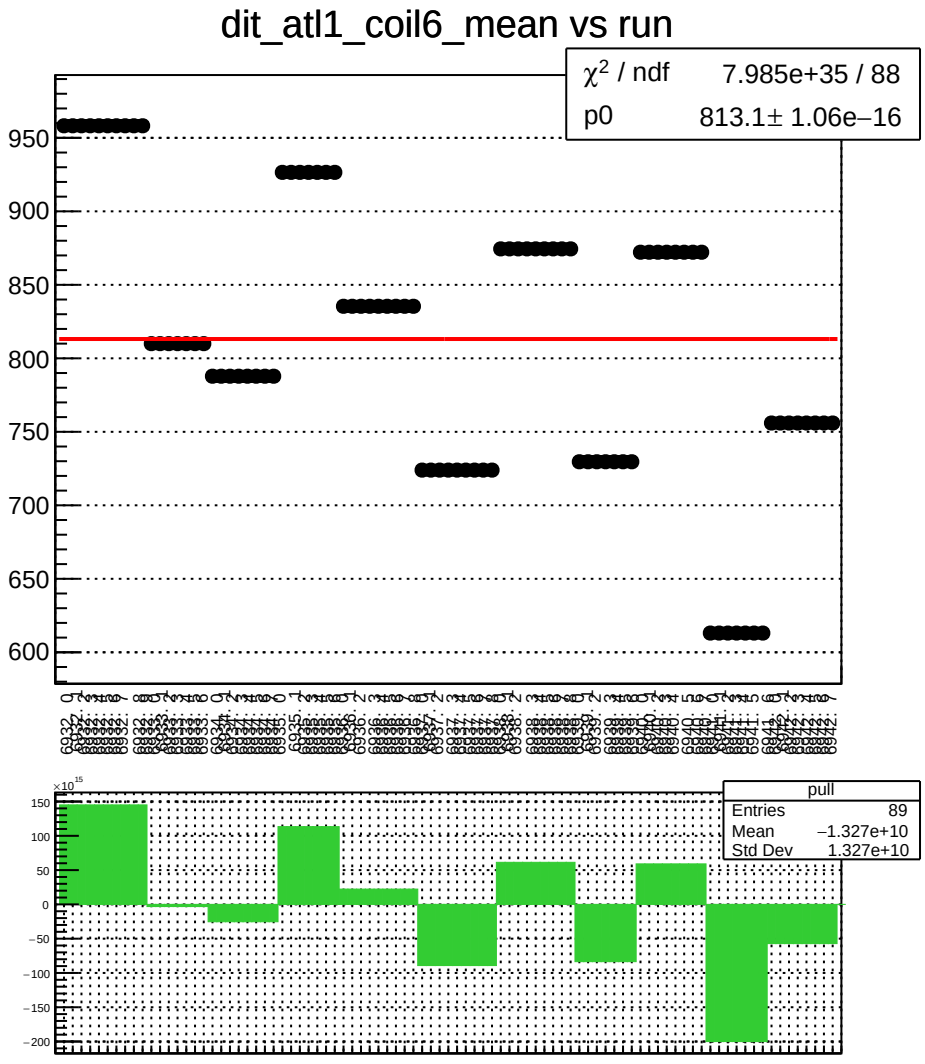

dit_usl_coil6_err_mean vs run
χ² / ndf 3.148e+34 / 88
p0 121.4 ± 1.06e−16
pull
Entries 89
Mean −4.366e+09
Std Dev 4.366e+09
pull1D
Entries 89
Mean 0
Std Dev 0

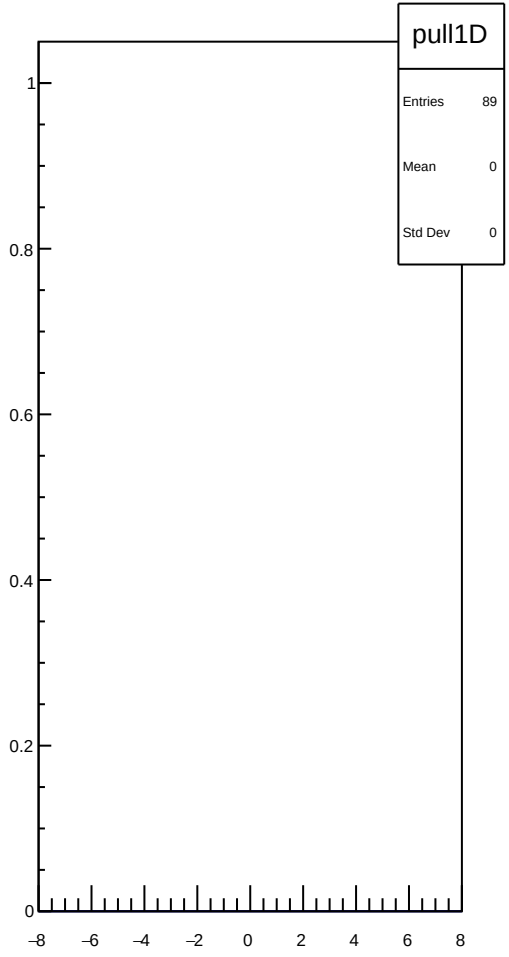

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

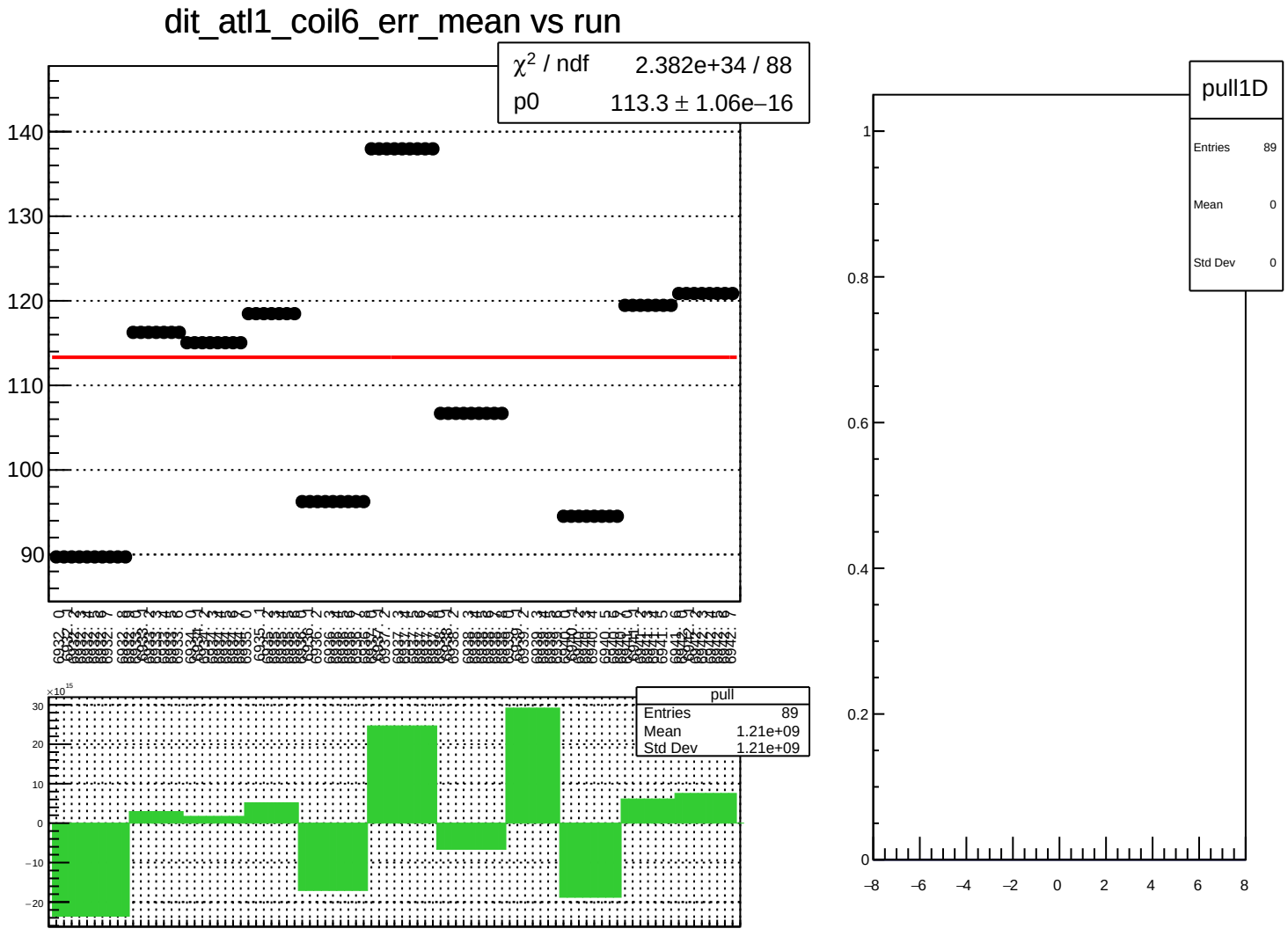

dit_usr_coil6_mean vs run
χ² / ndf 2.174e+35 / 88
p0 −725.7 ± 1.06e−16
−650
−700
−750
−800
−850
pull
Entries 89
Mean 5.642e+06
Std Dev 5.642e+06
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

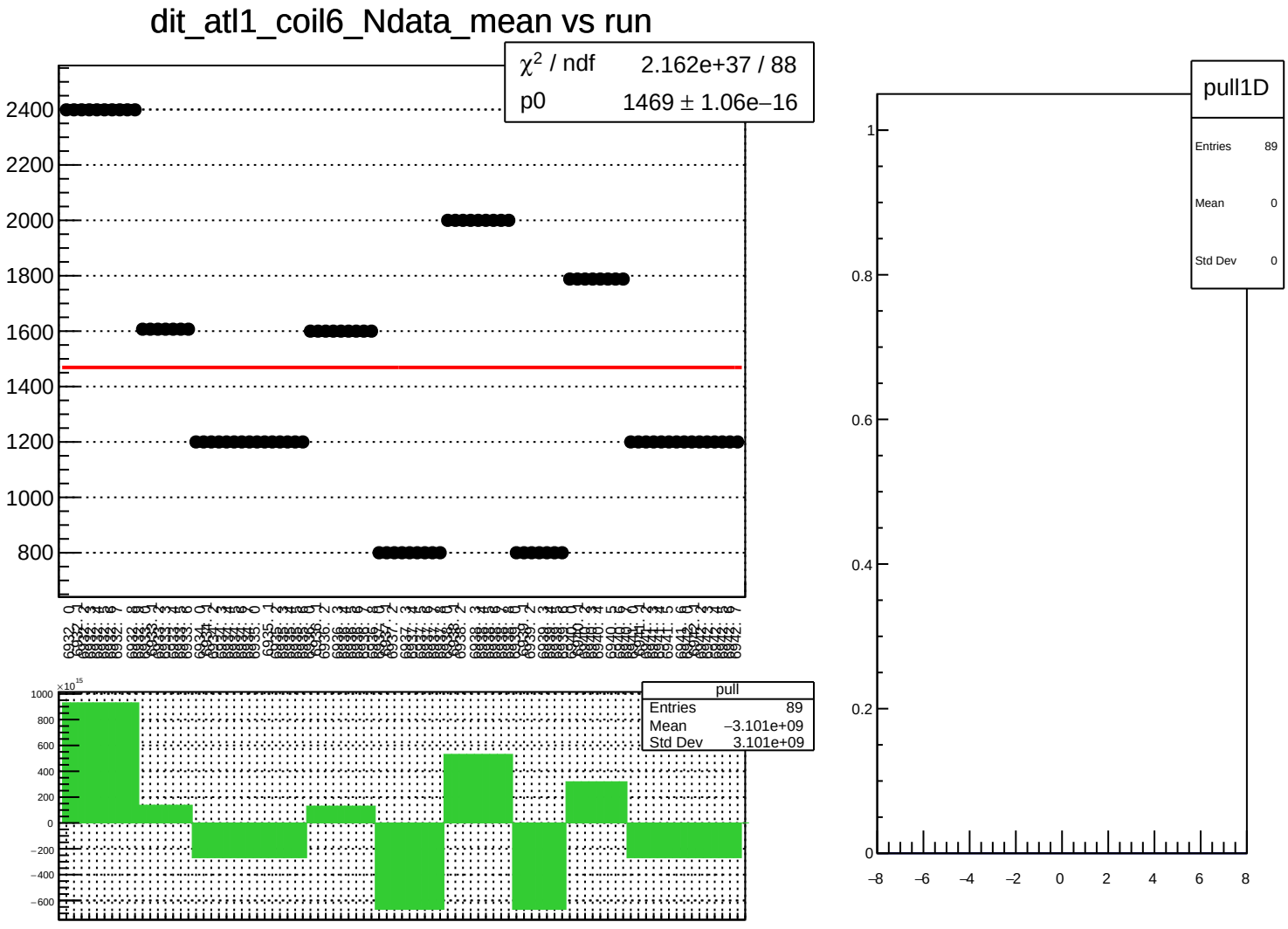

dit_usr_coil6_err_mean vs run
χ² / ndf 1.608e+34 / 88
p0 120.9 ± 1.06e−16
150
140
130
120
110
100
pull
Entries 89
Mean 9.428e+08
Std Dev 9.428e+08
×10¹⁵
20
10
0
−10
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

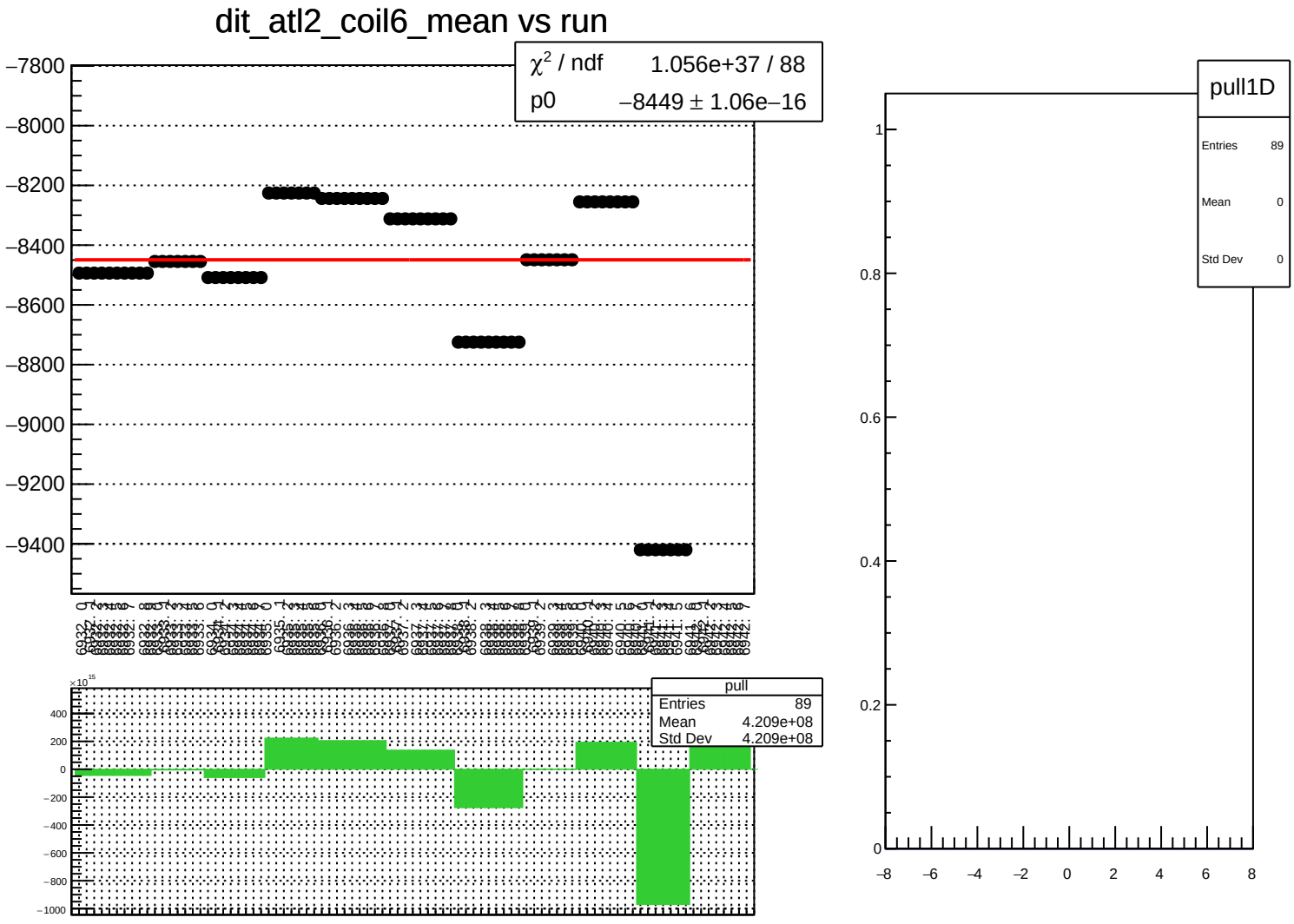

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

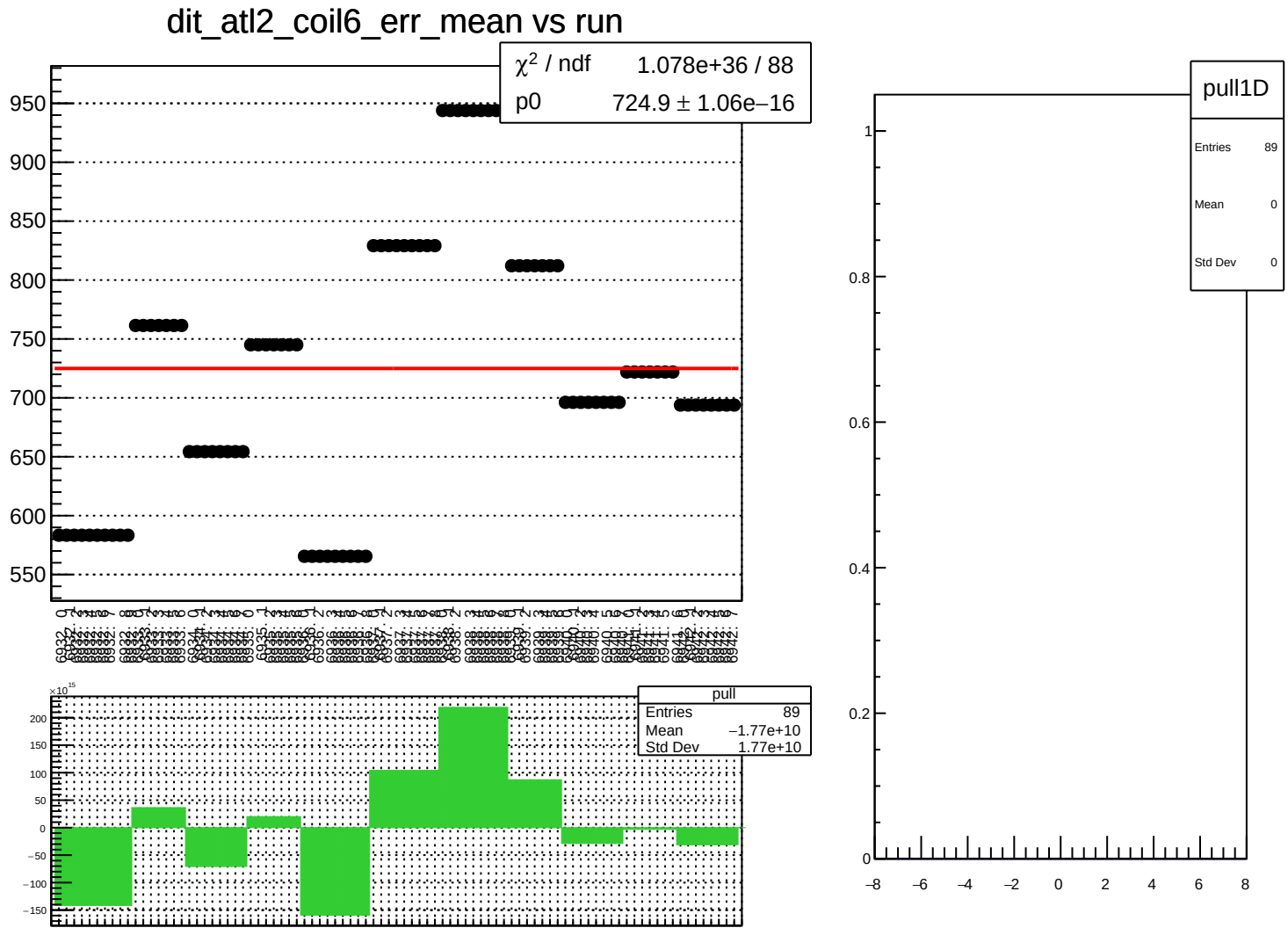

dit_atl1_coil6_mean vs run
χ² / ndf 7.985e+35 / 88
p0 813.1± 1.06e−16
950
900
850
800
750
700
650
600
pull
Entries 89
Mean −1.327e+10
Std Dev 1.327e+10
×10¹⁵
150
100
50
0
−50
−100
−150
−200

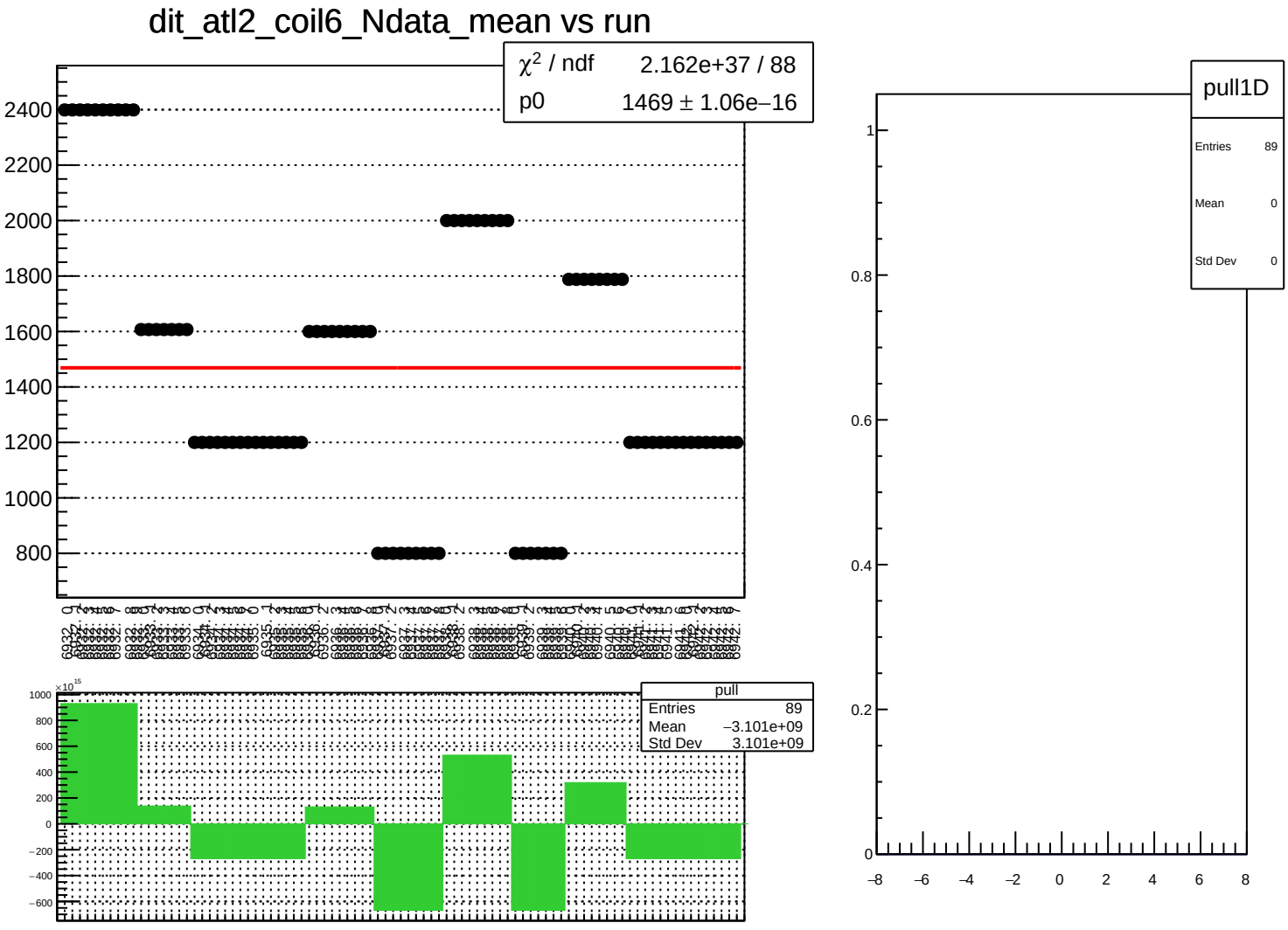

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

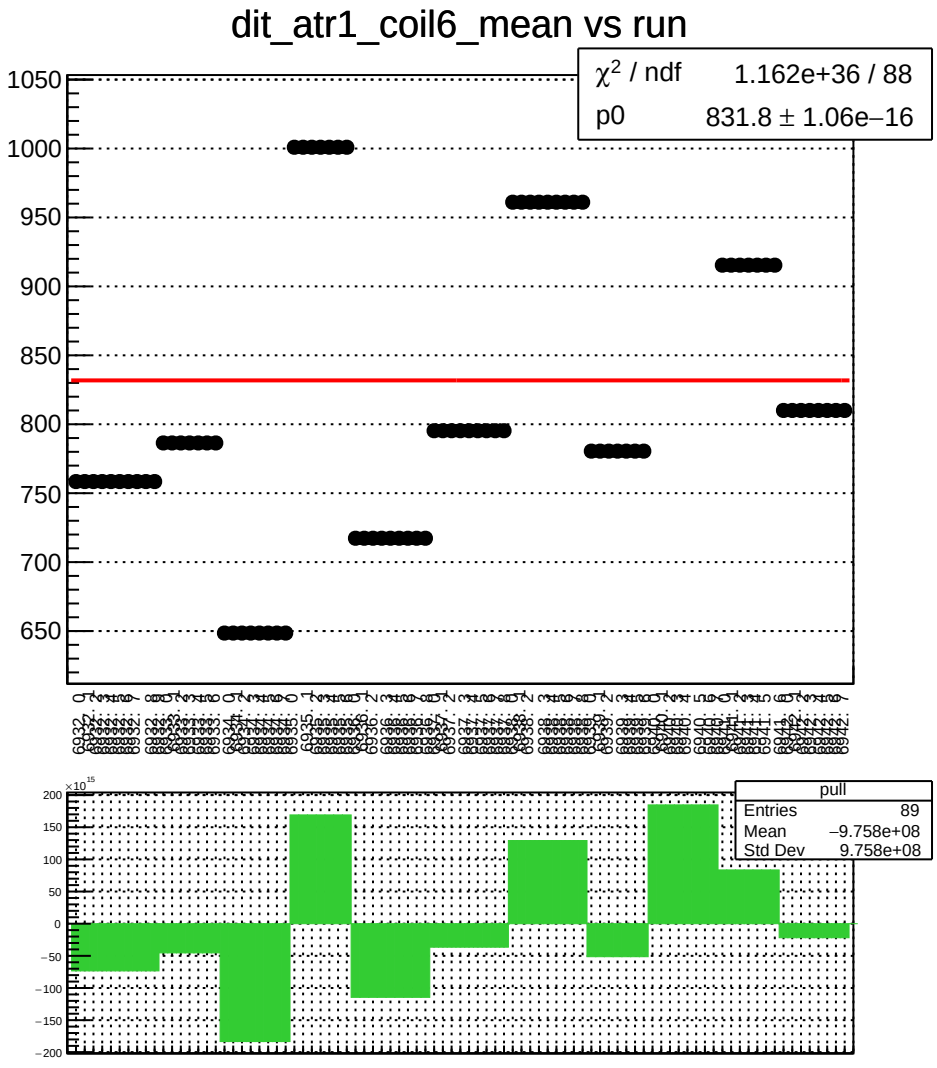

dit_atl1_coil6_err_mean vs run
χ² / ndf 2.382e+34 / 88
p0 113.3 ± 1.06e−16
140
130
120
110
100
90
pull
Entries 89
Mean 1.21e+09
Std Dev 1.21e+09
×10¹⁵
30
20
10
0
−10
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

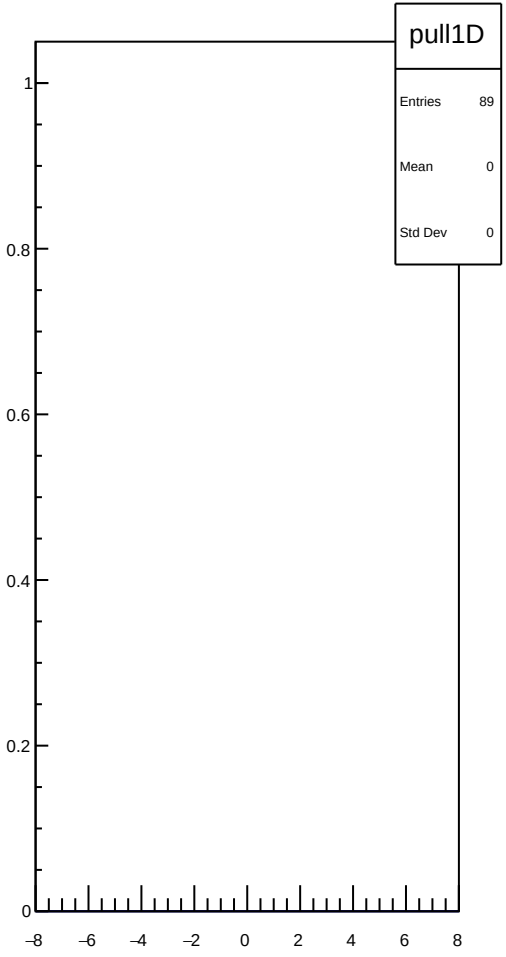

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
pull1D
Entries 89
Mean 0
Std Dev 0

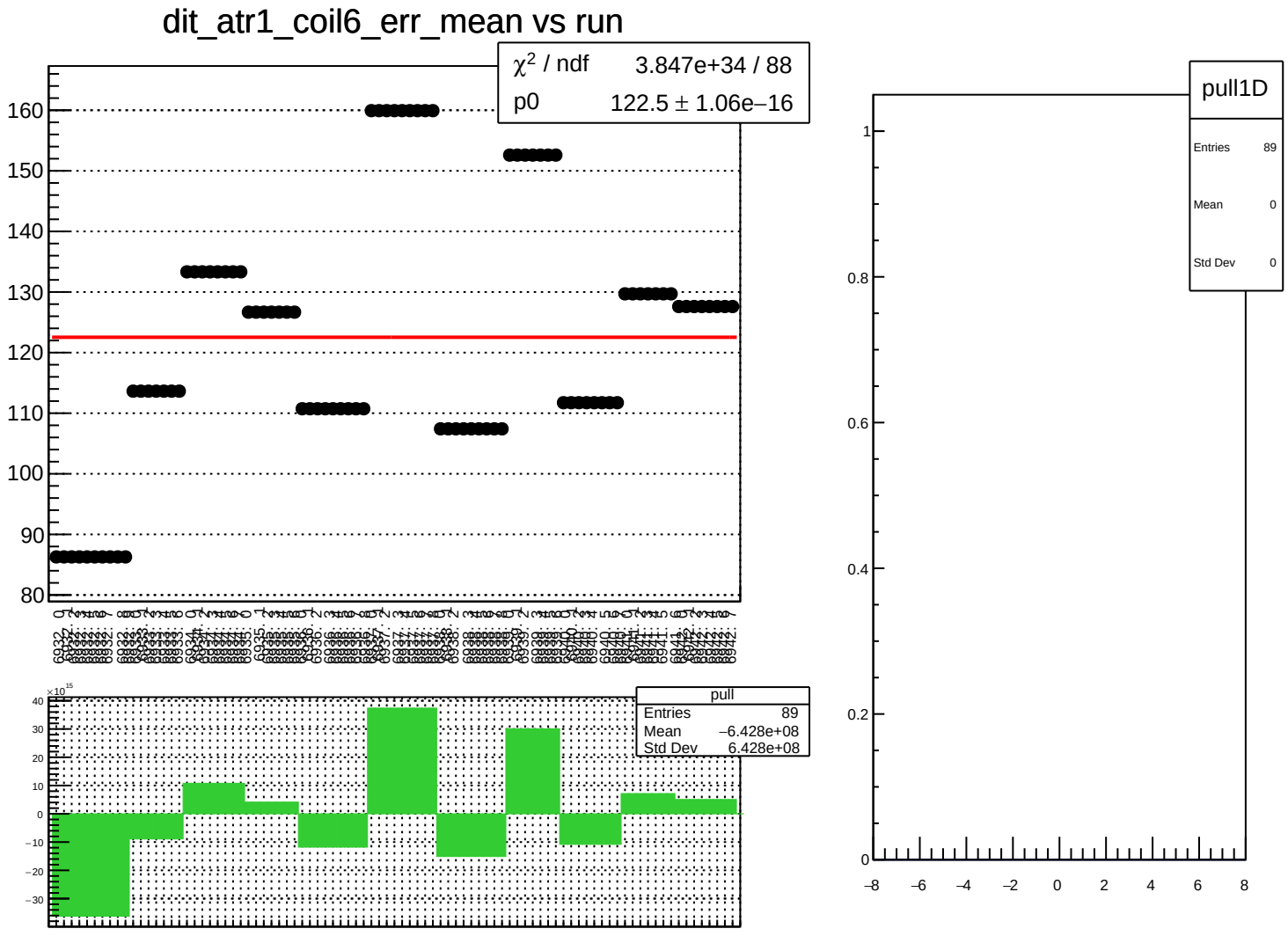

dit_atl2_coil6_mean vs run
χ² / ndf 1.056e+37 / 88
p0 −8449 ± 1.06e−16
−7800
−8000
−8200
−8400
−8600
−8800
−9000
−9200
−9400
pull
Entries 89
Mean 4.209e+08
Std Dev 4.209e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

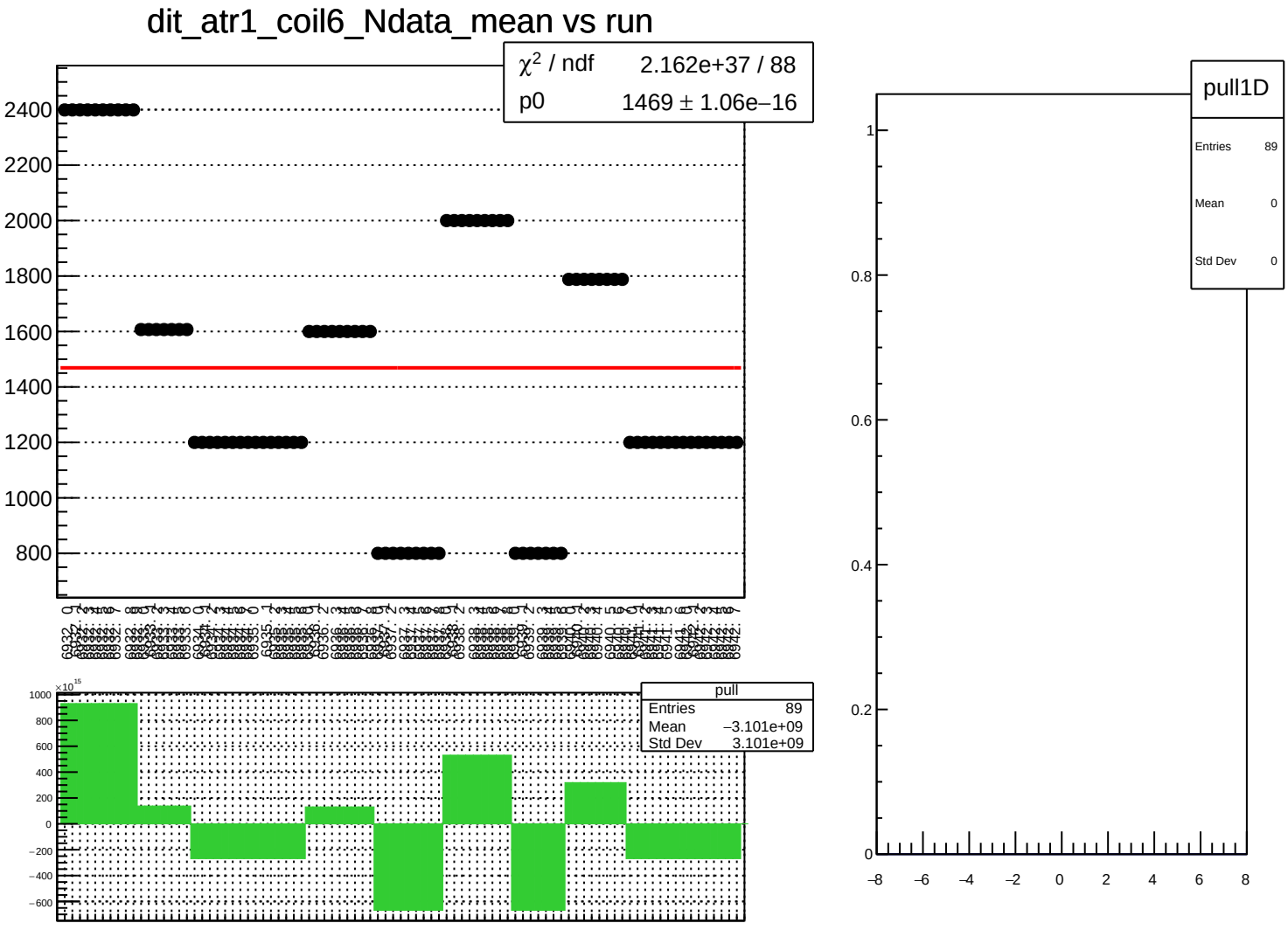

dit_atl2_coil6_err_mean vs run
χ² / ndf 1.078e+36 / 88
p0 724.9 ± 1.06e−16
950
900
850
800
750
700
650
600
550
pull
Entries 89
Mean −1.77e+10
Std Dev 1.77e+10
×10¹⁵
200
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

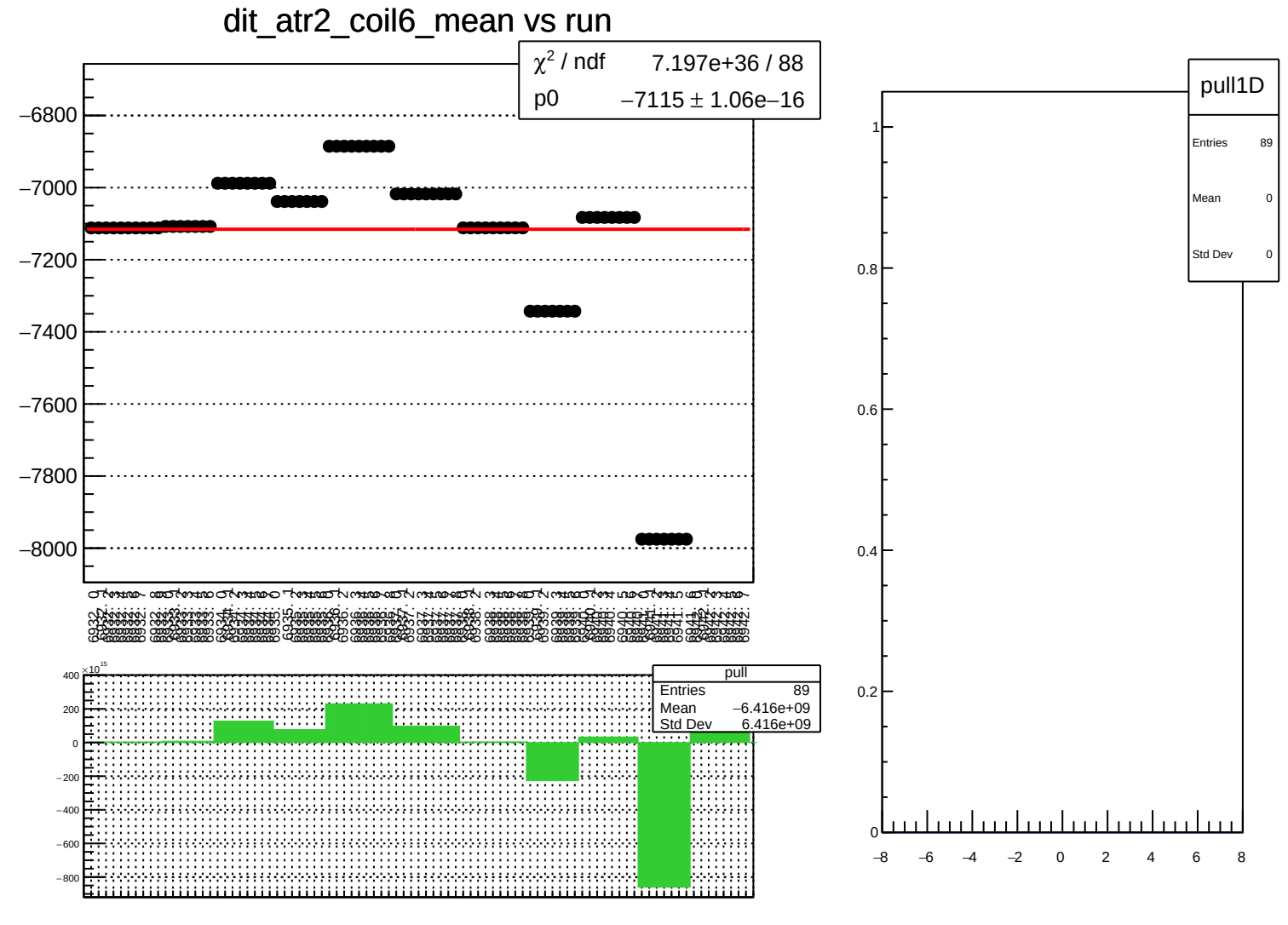

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

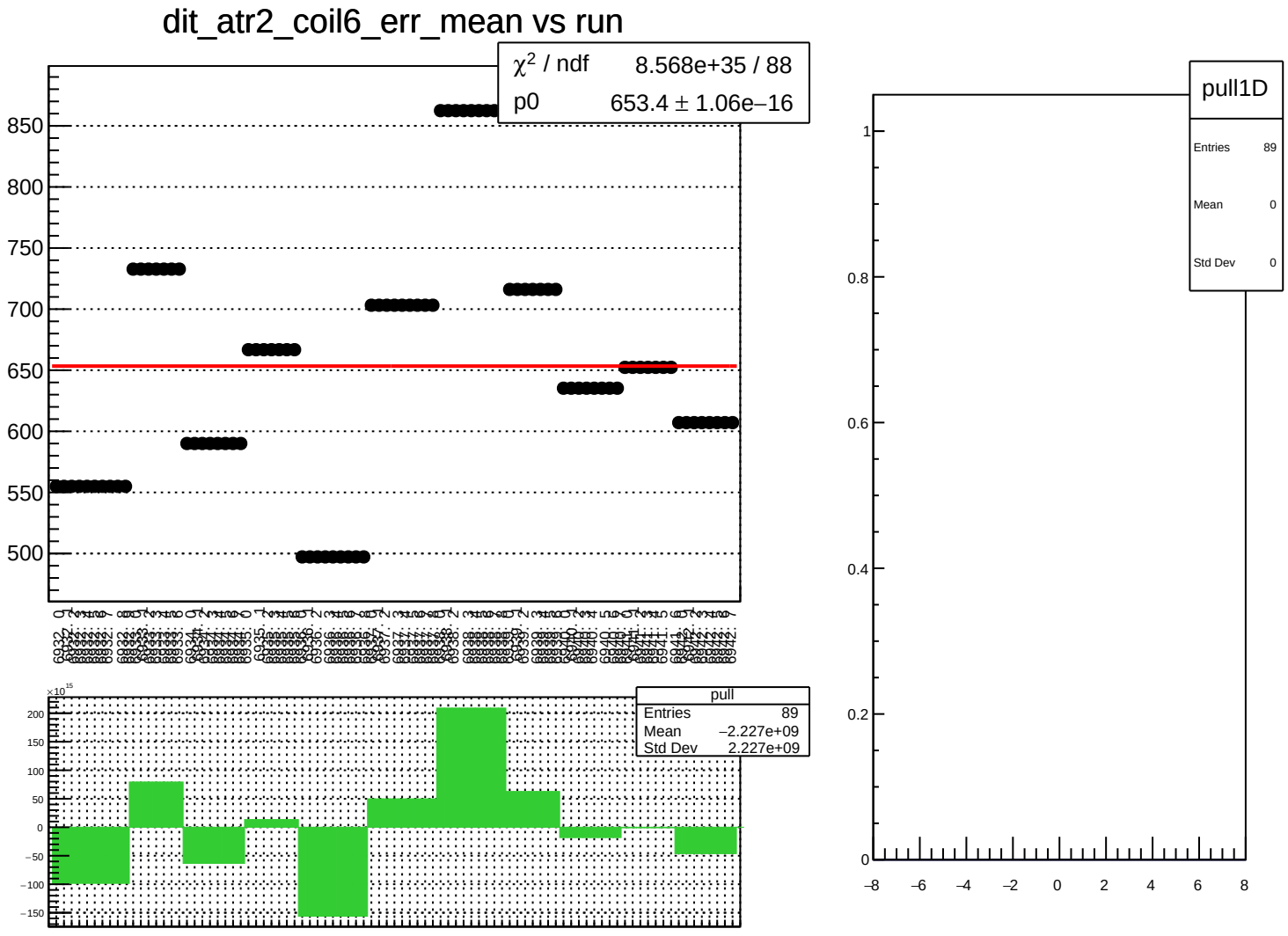

dit_atr1_coil6_mean vs run
χ² / ndf 1.162e+36 / 88
p0 831.8 ± 1.06e−16
1050
1000
950
900
850
800
750
700
650
pull
Entries 89
Mean −9.758e+08
Std Dev 9.758e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200

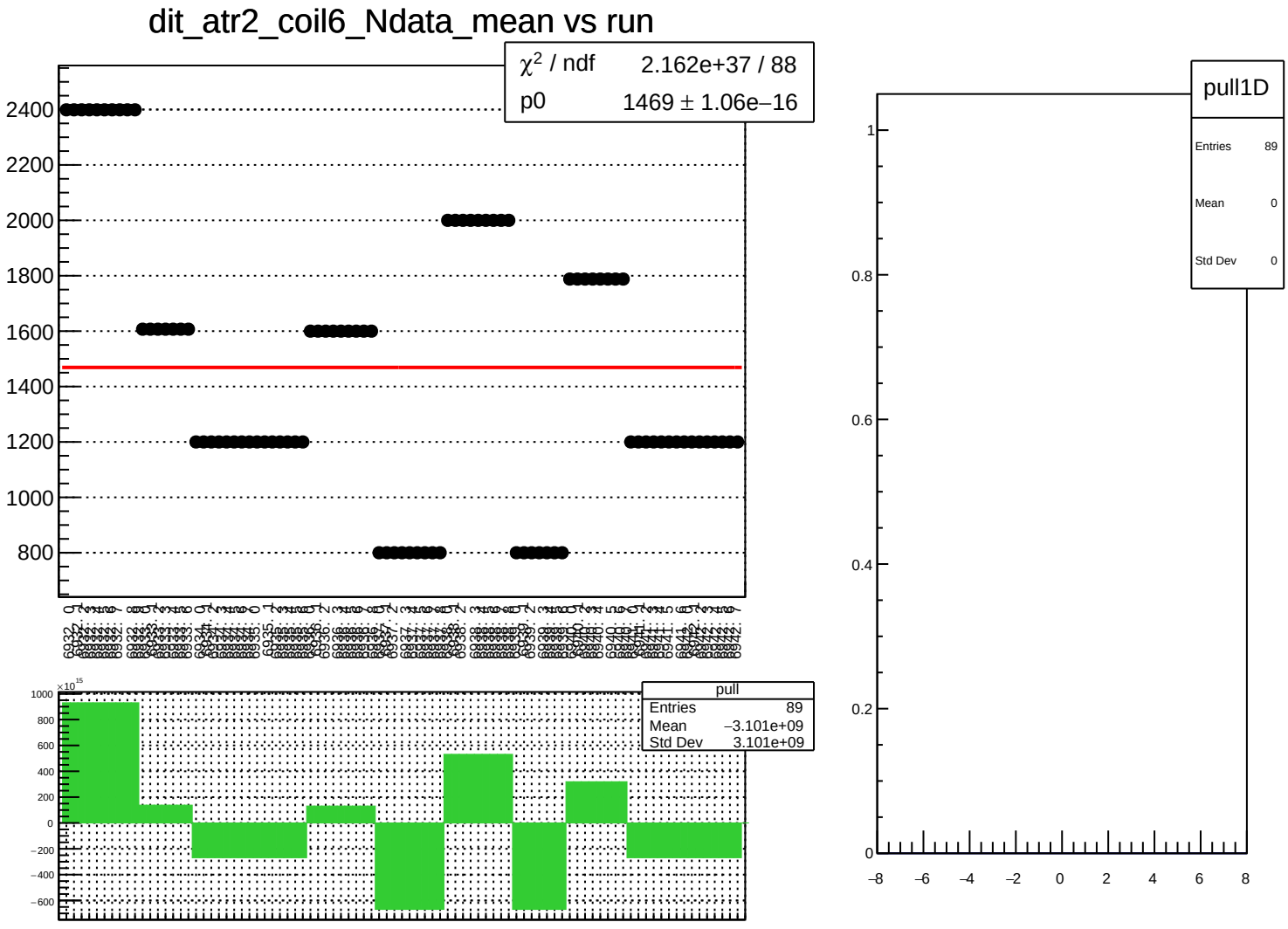

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

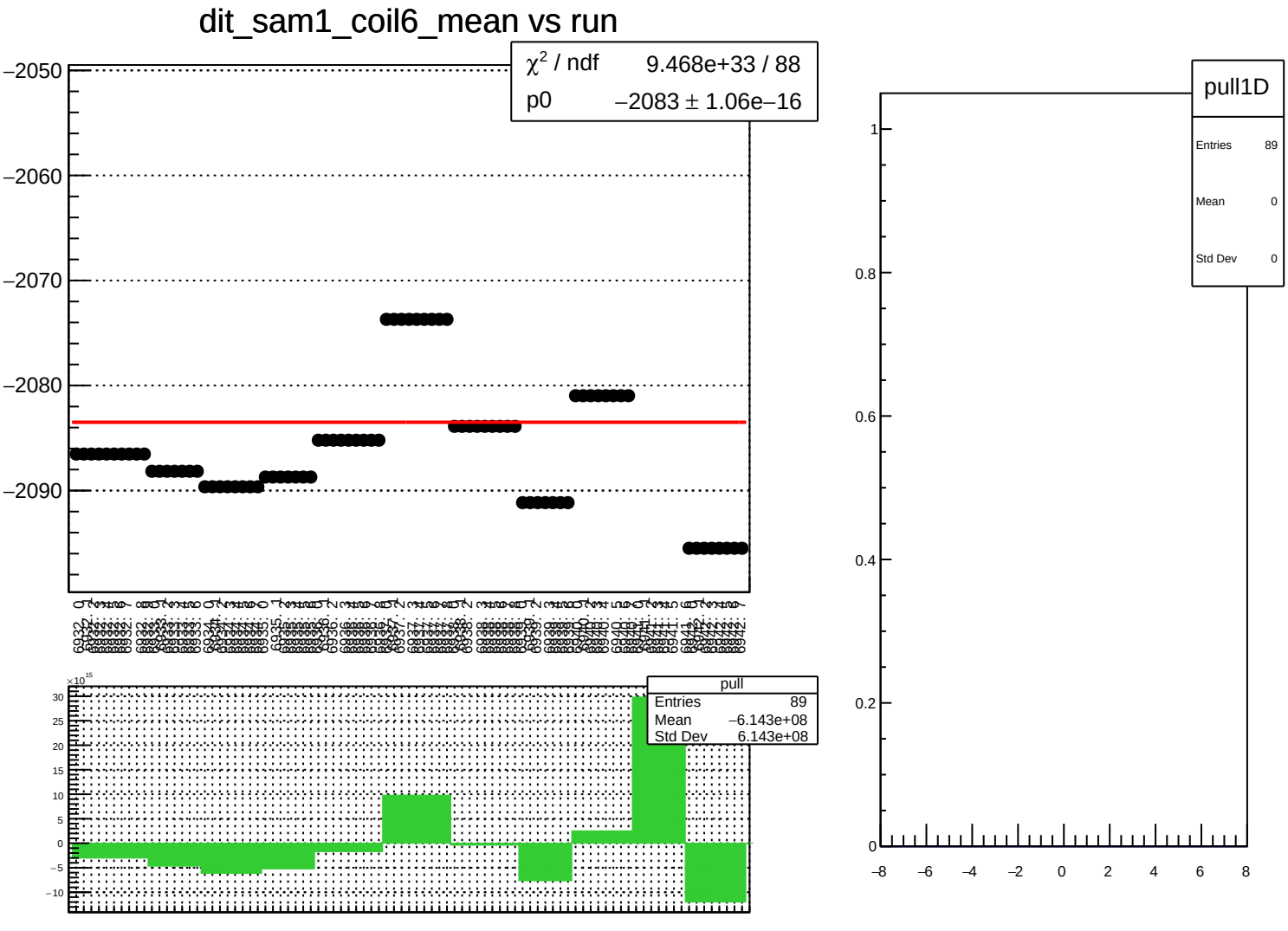

dit_atr1_coil6_err_mean vs run
χ2 / ndf 3.847e+34 / 88
p0 122.5 ± 1.06e−16
160
150
140
130
120
110
100
90
80
pull
Entries 89
Mean −6.428e+08
Std Dev 6.428e+08
×10^15
40
30
20
10
0
−10
−20
−30
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

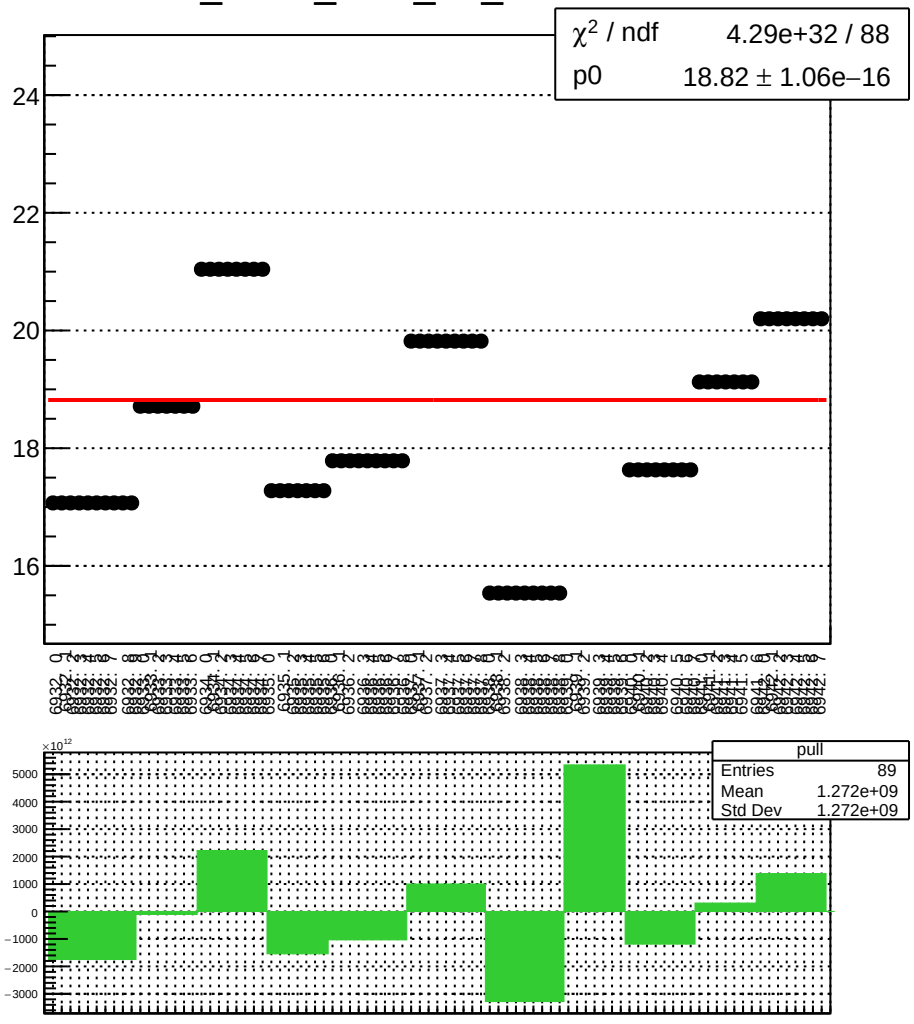

dit_atr2_coil6_mean vs run
χ² / ndf 7.197e+36 / 88
p0 −7115 ± 1.06e−16
−6800
−7000
−7200
−7400
−7600
−7800
−8000
pull
Entries 89
Mean −6.416e+09
Std Dev 6.416e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

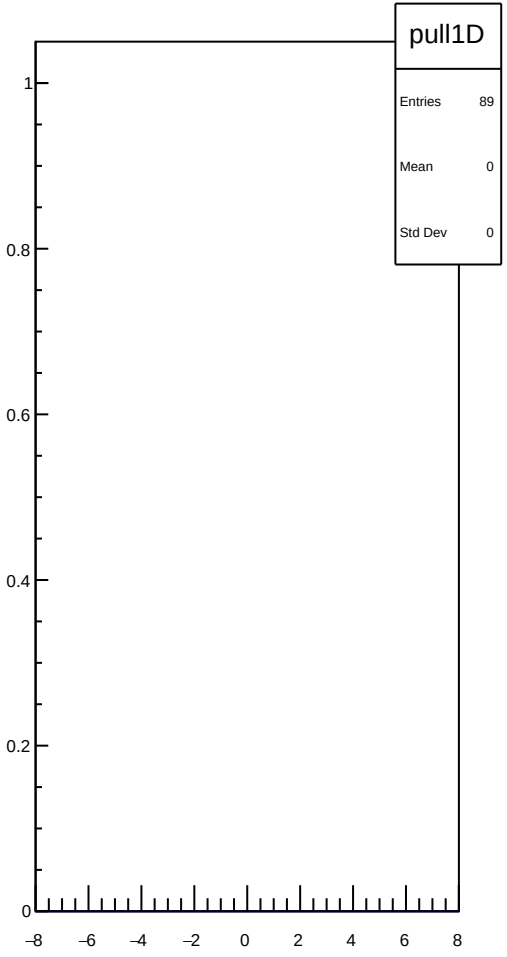

dit_atr2_coil6_err_mean vs run
χ² / ndf 8.568e+35 / 88
p0 653.4 ± 1.06e−16
850
800
750
700
650
600
550
500
pull
Entries 89
Mean −2.227e+09
Std Dev 2.227e+09
×10¹⁵
200
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

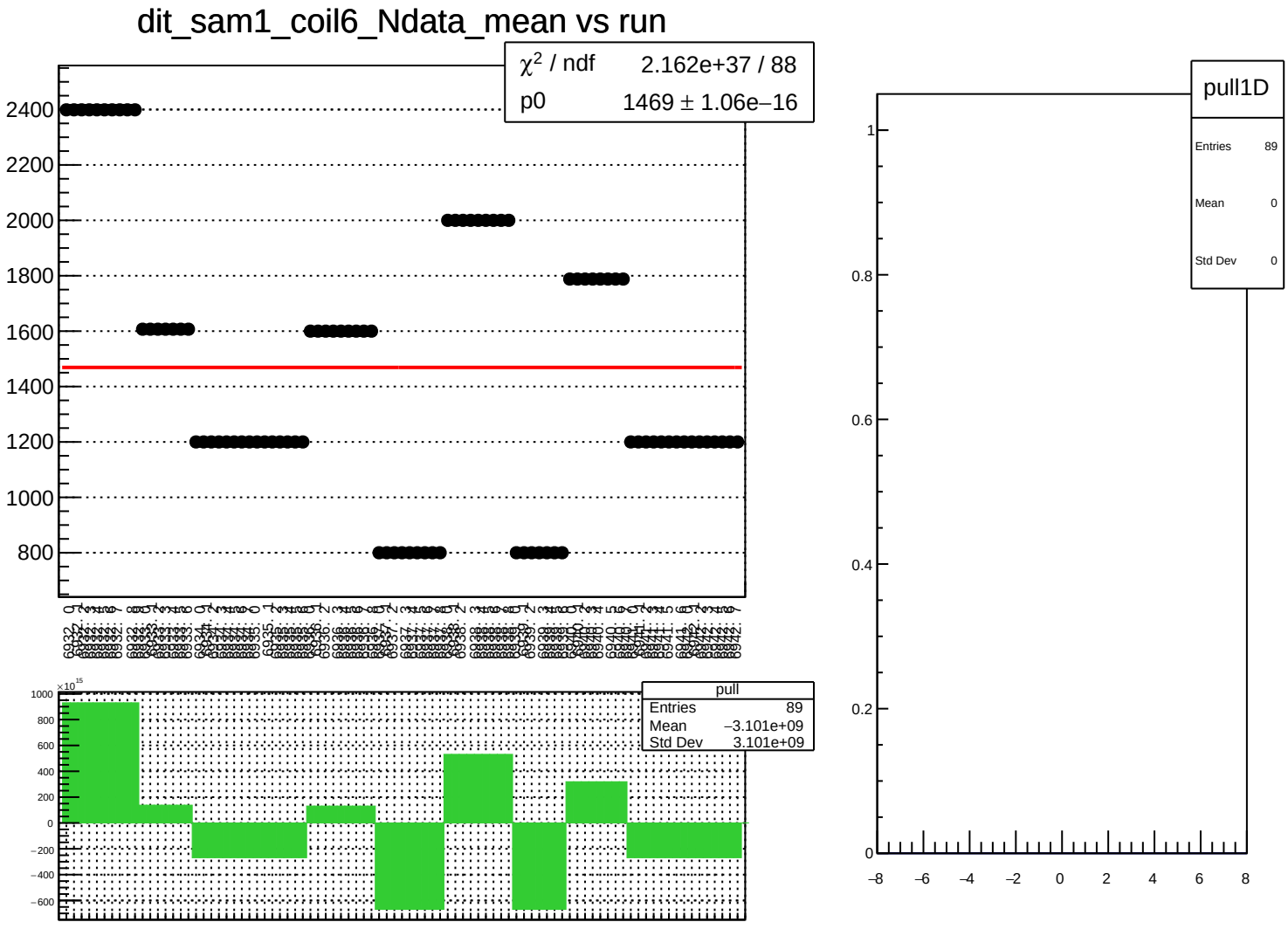

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

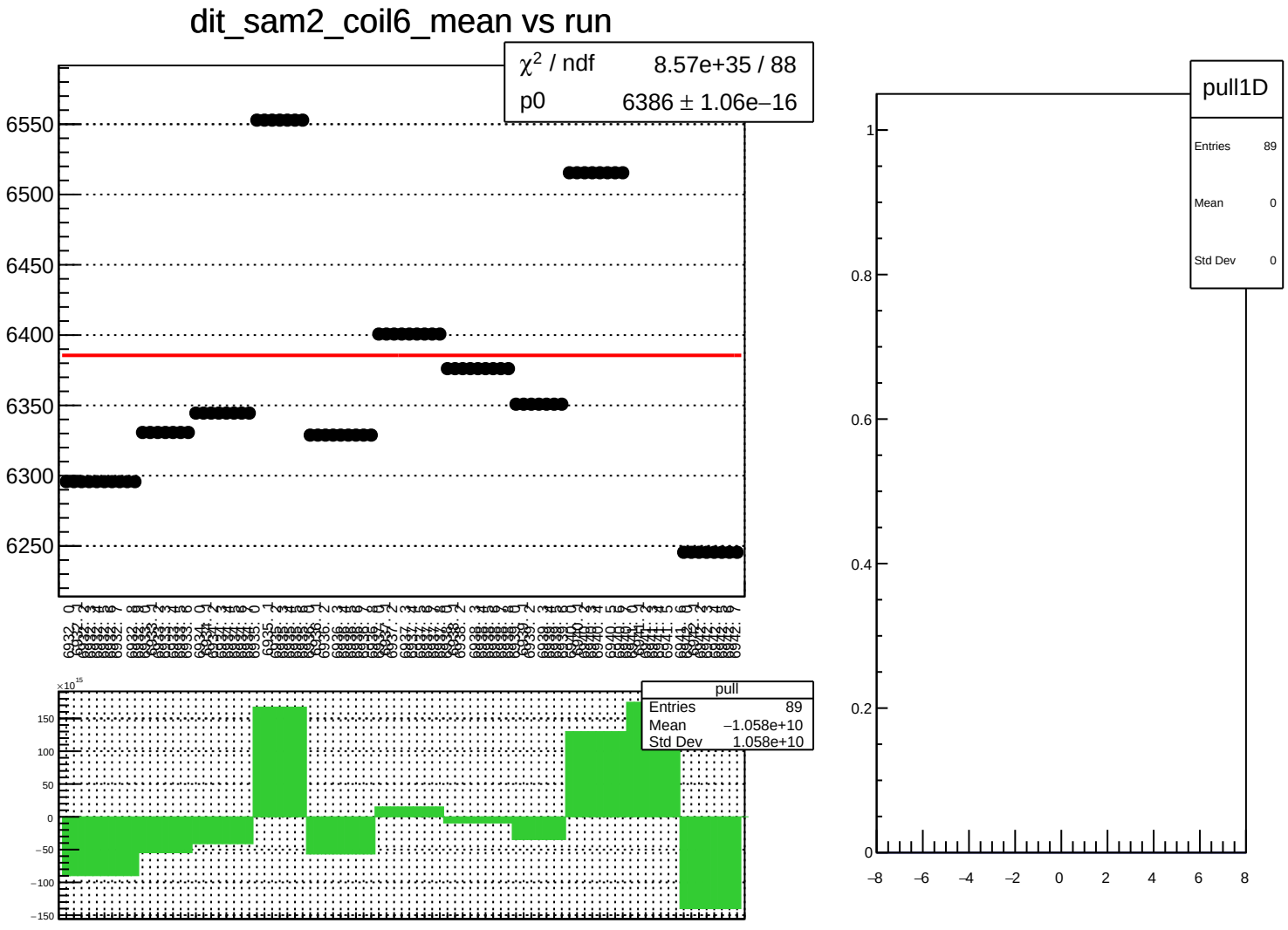

dit_sam1_coil6_mean vs run
χ² / ndf 9.468e+33 / 88
p0 −2083 ± 1.06e−16
−2050
−2060
−2070
−2080
−2090
pull
Entries 89
Mean −6.143e+08
Std Dev 6.143e+08
×10¹⁵
30
25
20
15
10
5
0
−5
−10
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

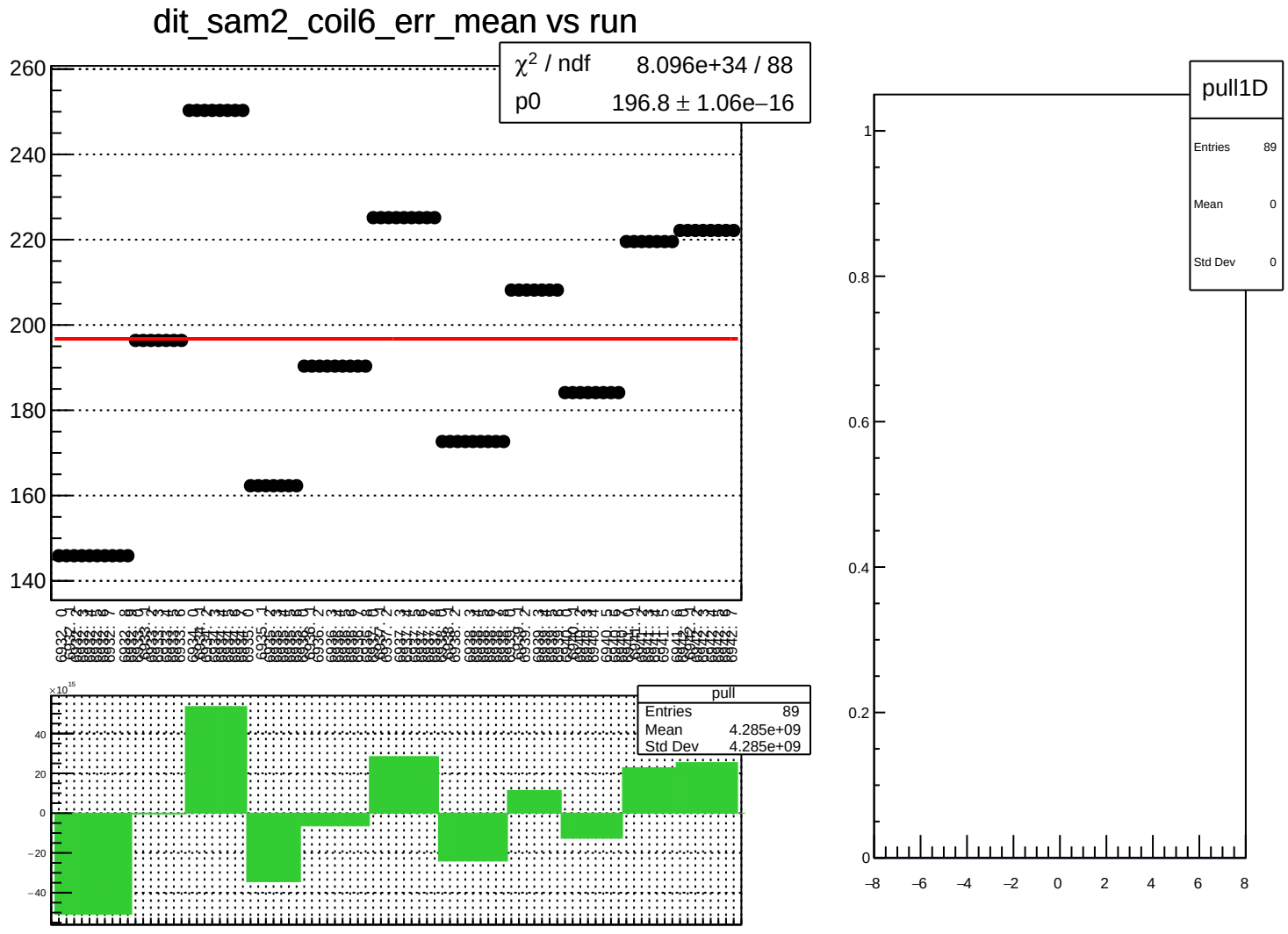
dit_sam1_coil6_err_mean vs run

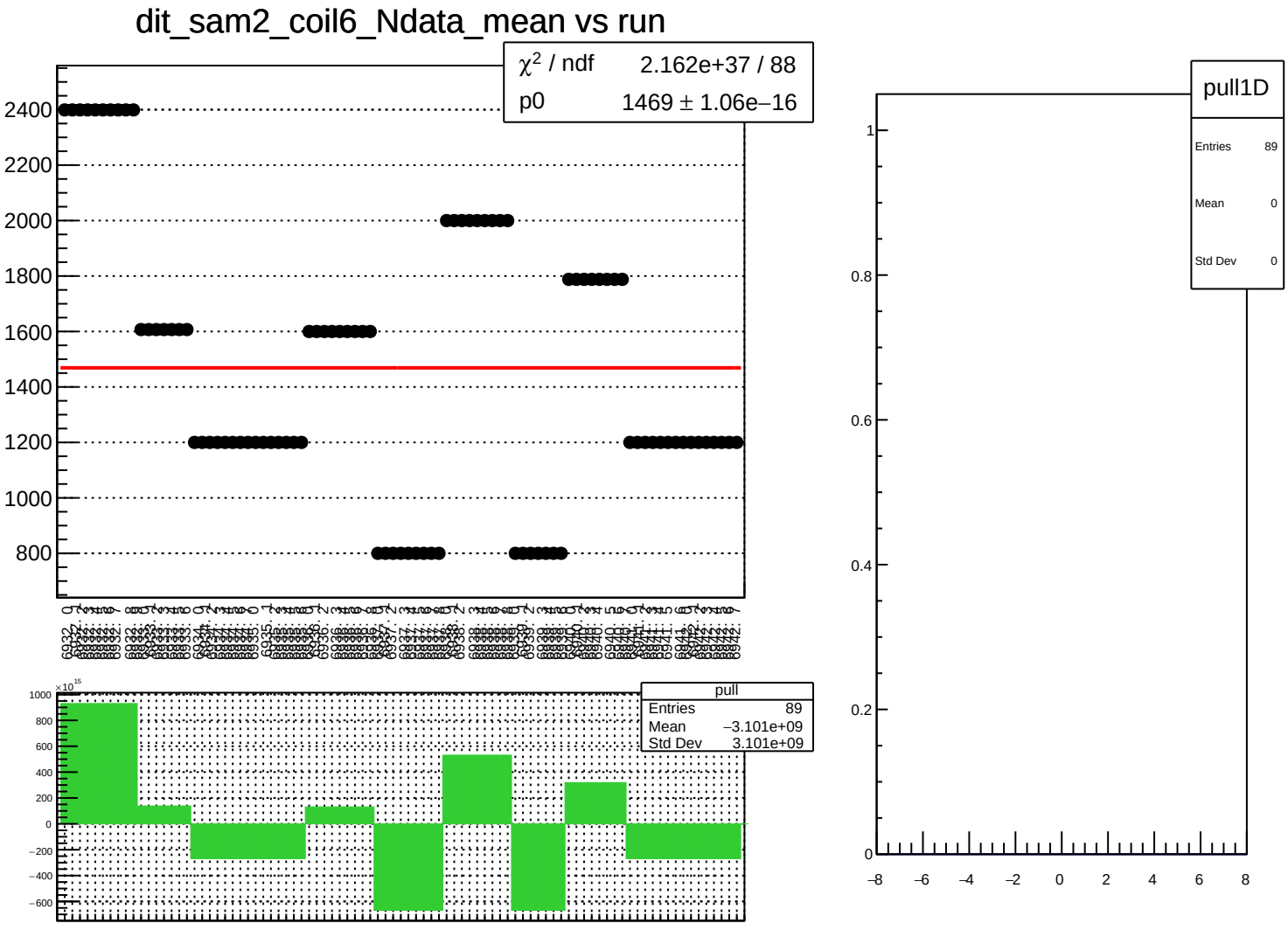


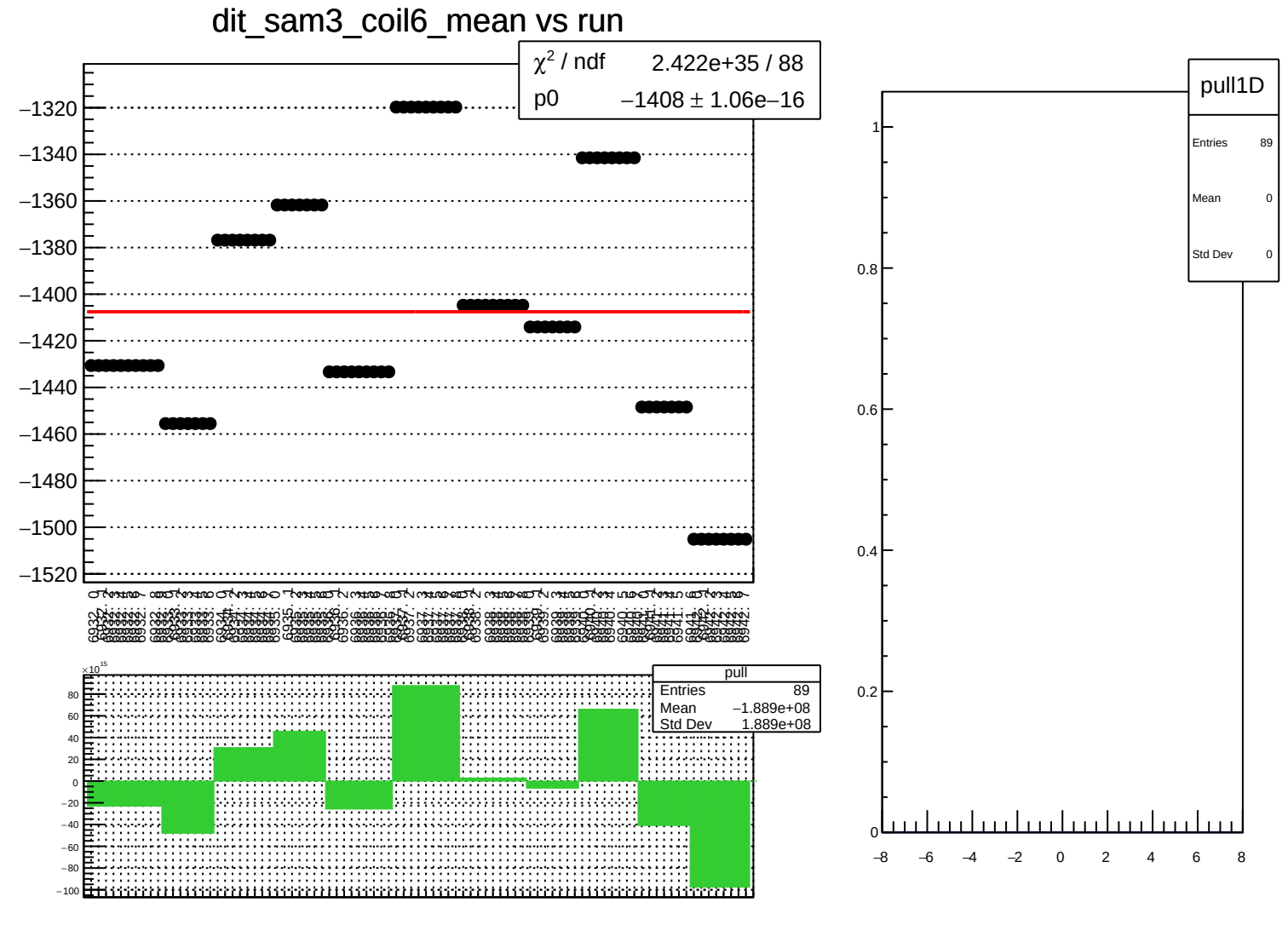


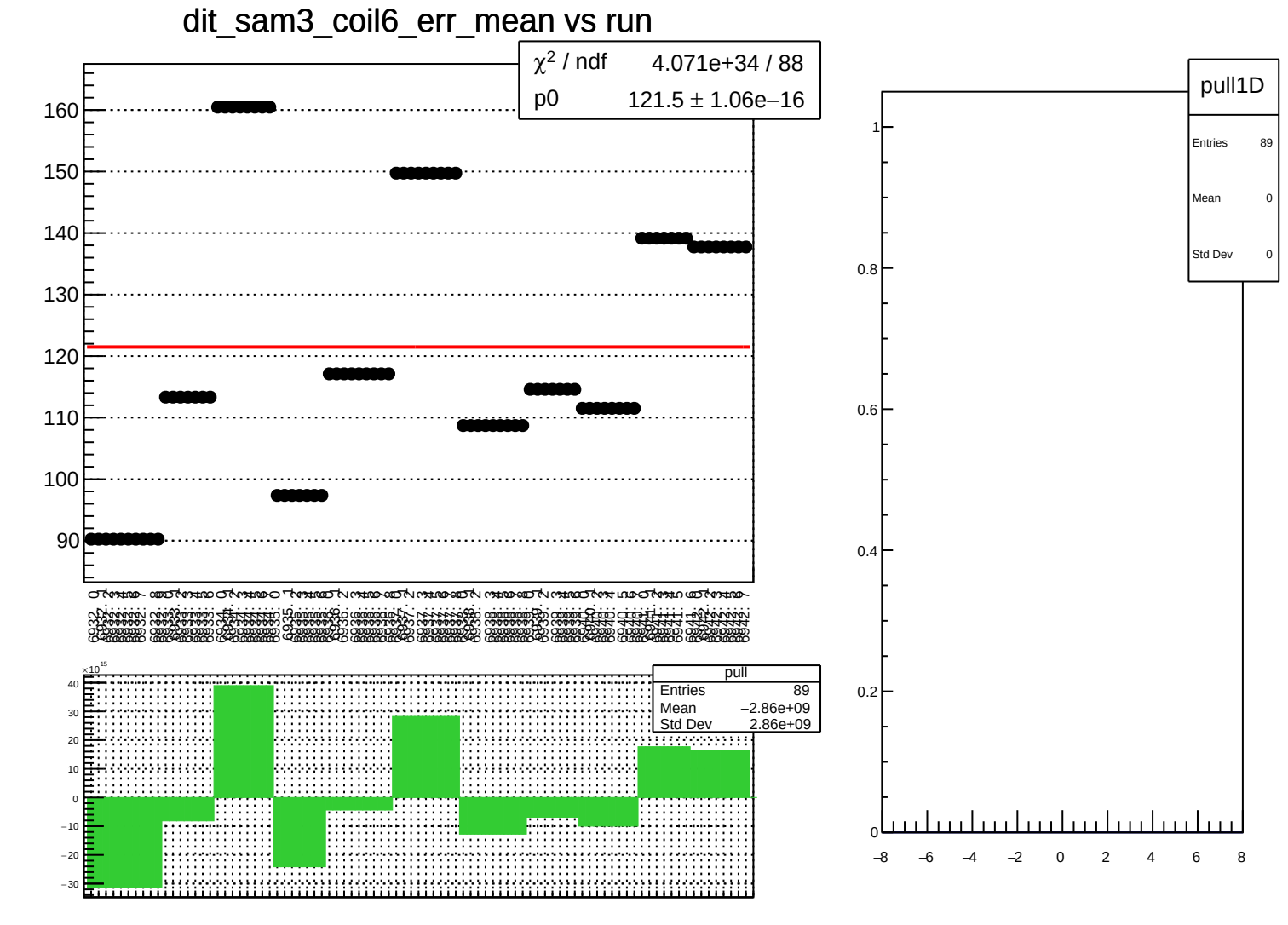

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

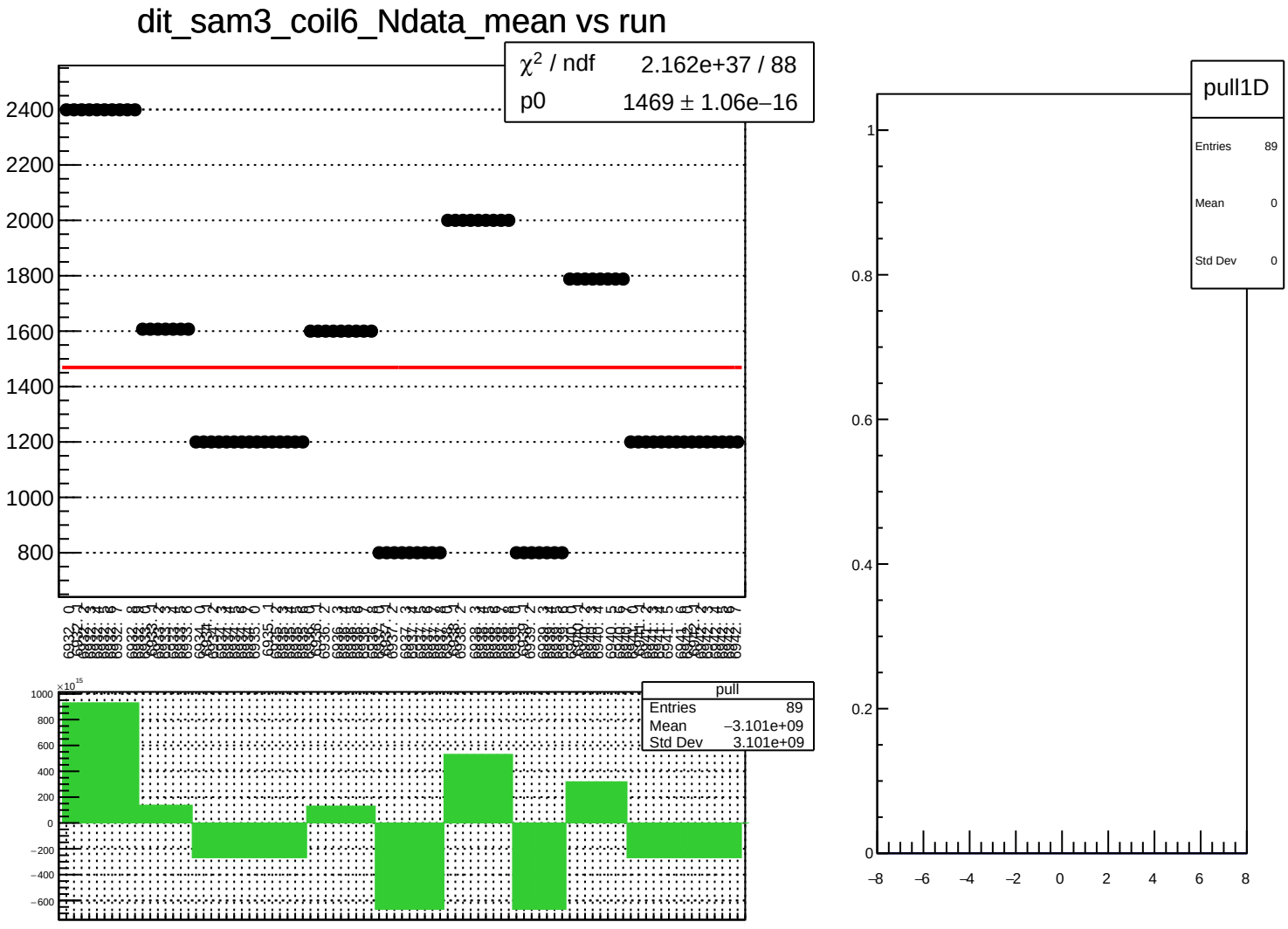

dit_sam2_coil6_mean vs run
χ² / ndf 8.57e+35 / 88
p0 6386 ± 1.06e−16
6550
6500
6450
6400
6350
6300
6250
pull
Entries 89
Mean −1.058e+10
Std Dev 1.058e+10
×10¹⁵
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

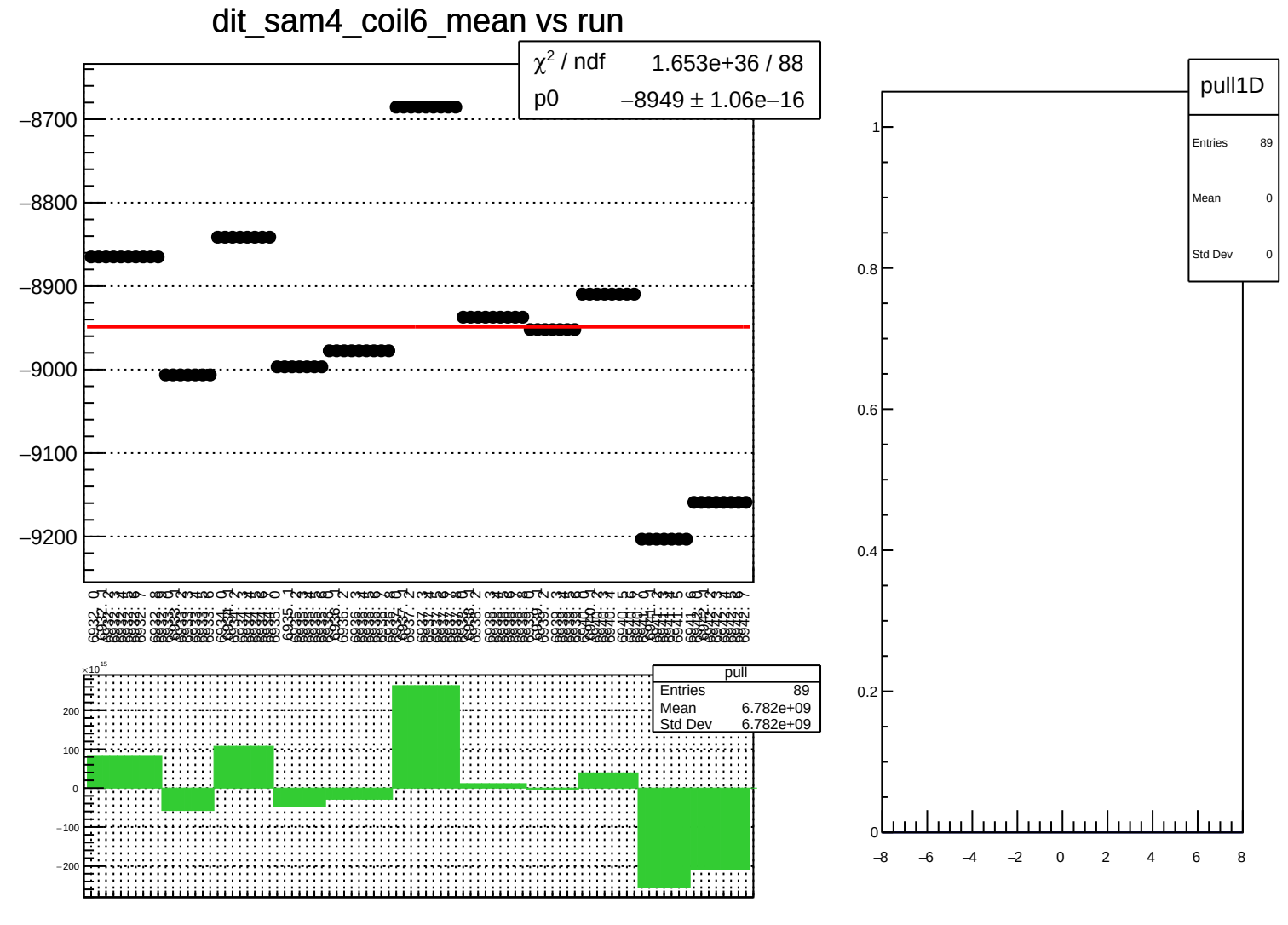

dit_sam2_coil6_err_mean vs run
χ² / ndf 8.096e+34 / 88
p0 196.8 ± 1.06e−16
pull
Entries 89
Mean 4.285e+09
Std Dev 4.285e+09
pull1D
Entries 89
Mean 0
Std Dev 0

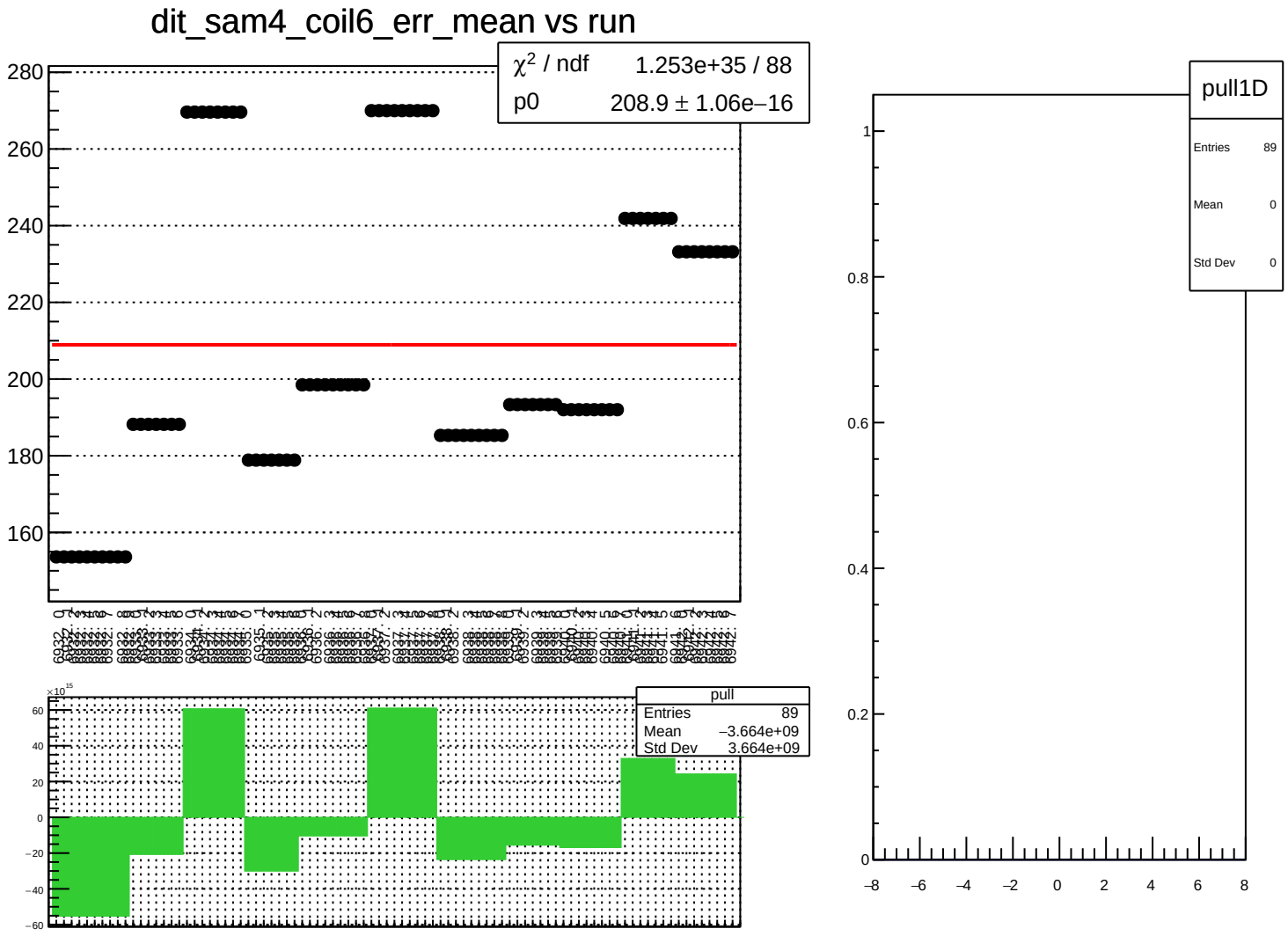

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

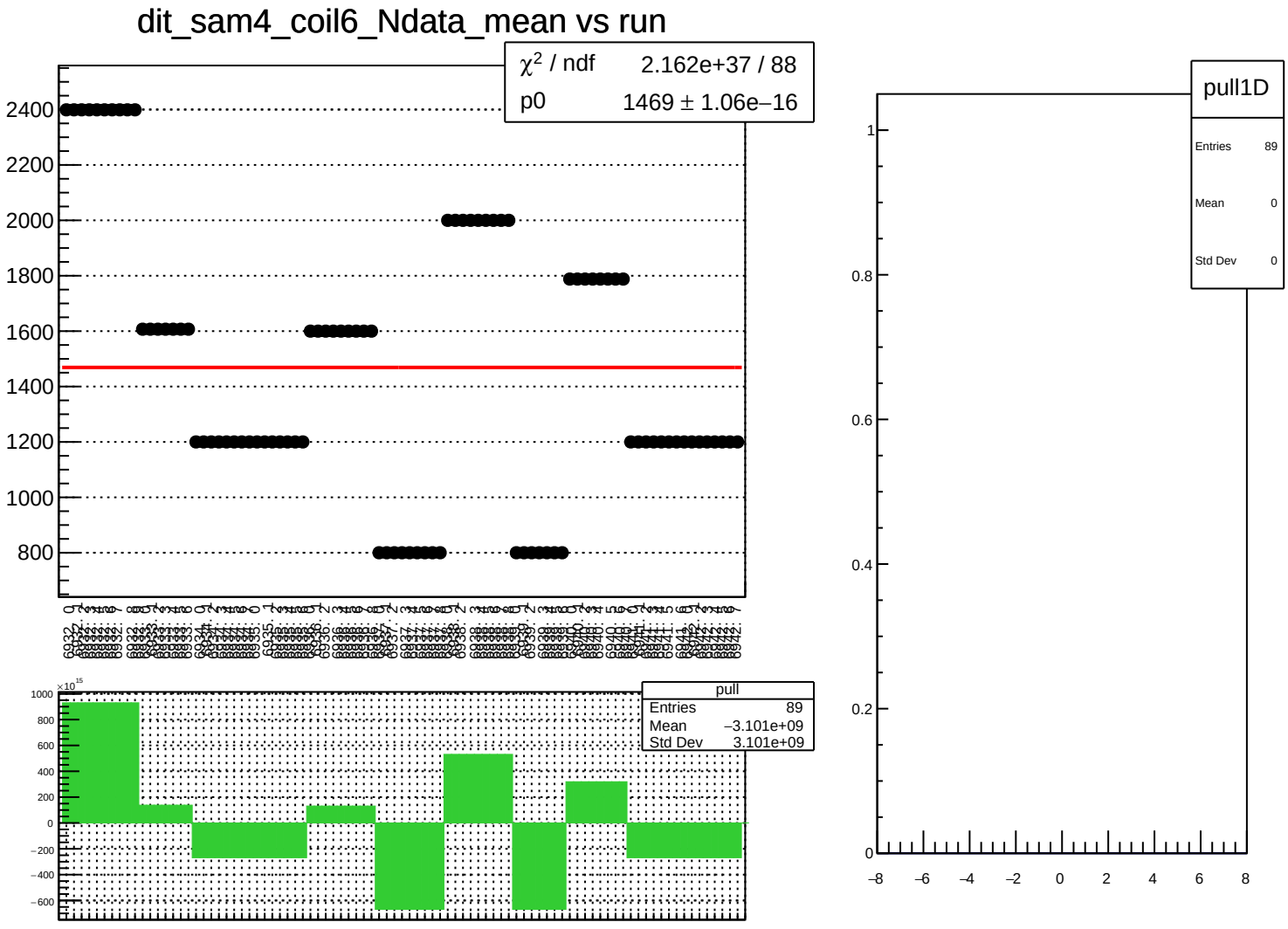

dit_sam3_coil6_mean vs run
χ² / ndf 2.422e+35 / 88
p0 −1408 ± 1.06e−16
pull
Entries 89
Mean −1.889e+08
Std Dev 1.889e+08
pull1D
Entries 89
Mean 0
Std Dev 0

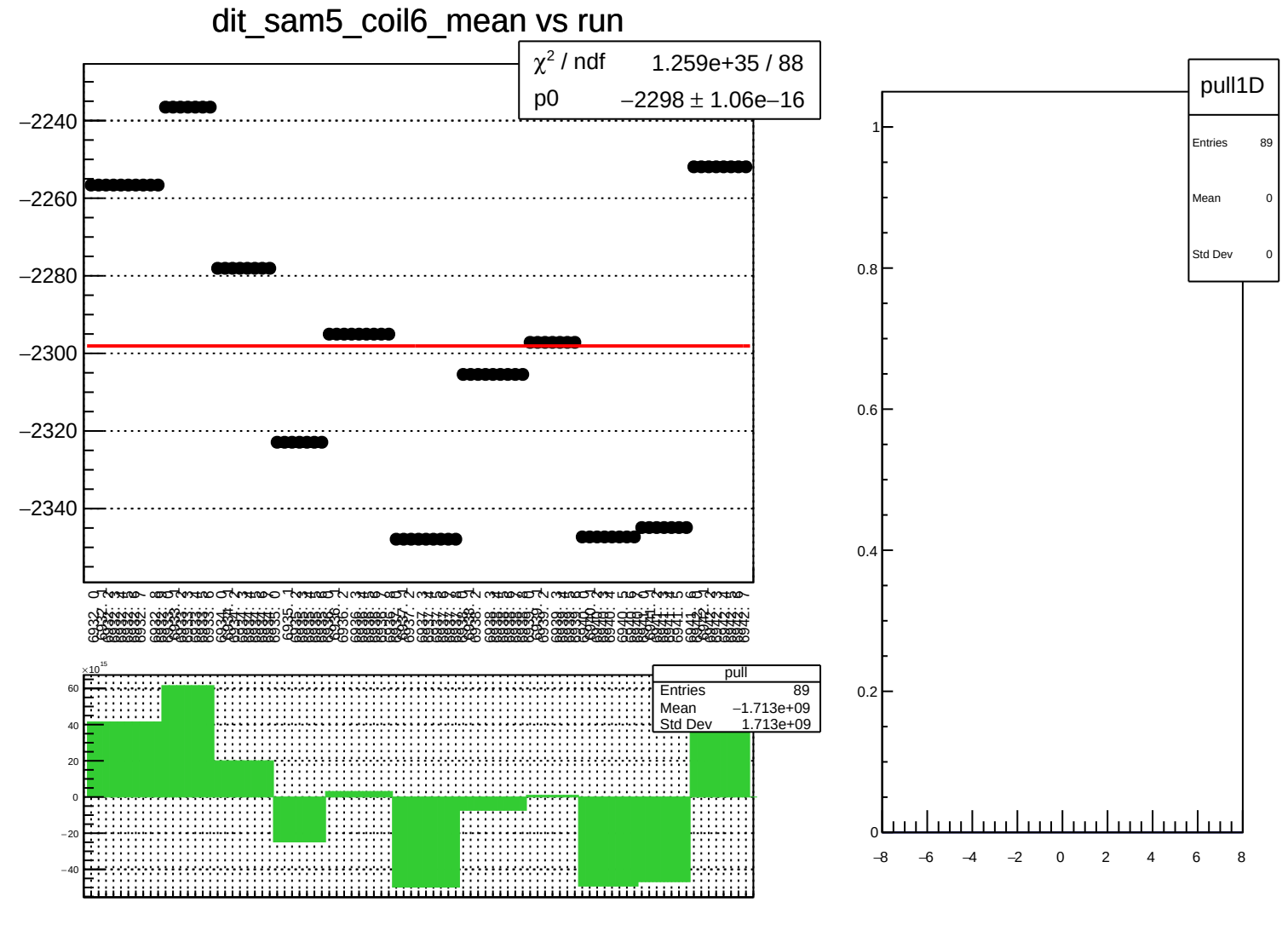

dit_sam3_coil6_err_mean vs run
χ² / ndf 4.071e+34 / 88
p0 121.5 ± 1.06e−16
160
150
140
130
120
110
100
90
pull
Entries 89
Mean −2.86e+09
Std Dev 2.86e+09
×10¹⁵
40
30
20
10
0
−10
−20
−30
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

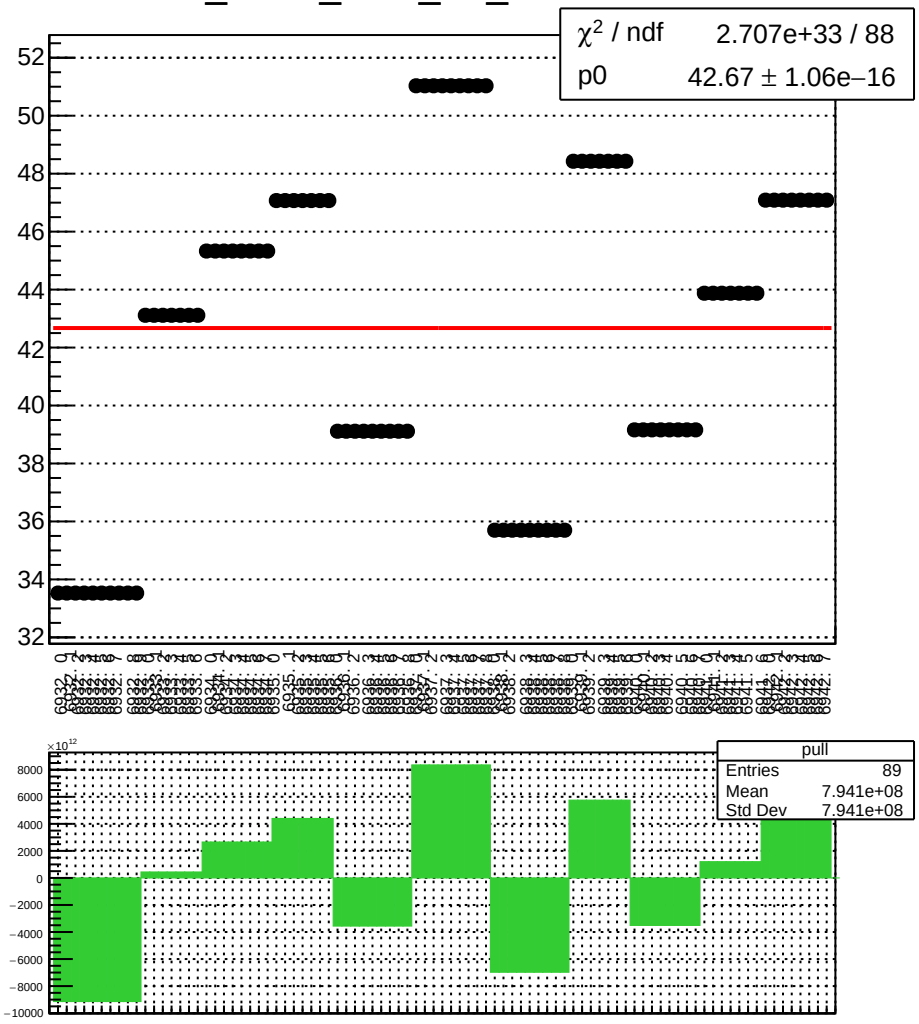

dit_sam4_coil6_mean vs run
χ² / ndf 1.653e+36 / 88
p0 −8949 ± 1.06e−16
−8700
−8800
−8900
−9000
−9100
−9200
pull
Entries 89
Mean 6.782e+09
Std Dev 6.782e+09
×10¹⁵
200
100
0
−100
−200
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

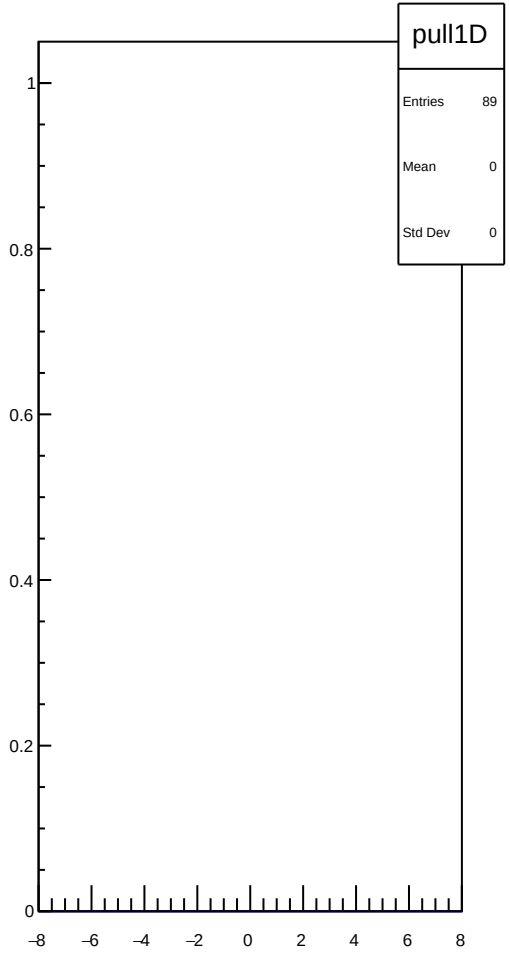

dit_sam4_coil6_err_mean vs run
χ² / ndf 1.253e+35 / 88
p0 208.9 ± 1.06e−16
pull
Entries 89
Mean −3.664e+09
Std Dev 3.664e+09
pull1D
Entries 89
Mean 0
Std Dev 0

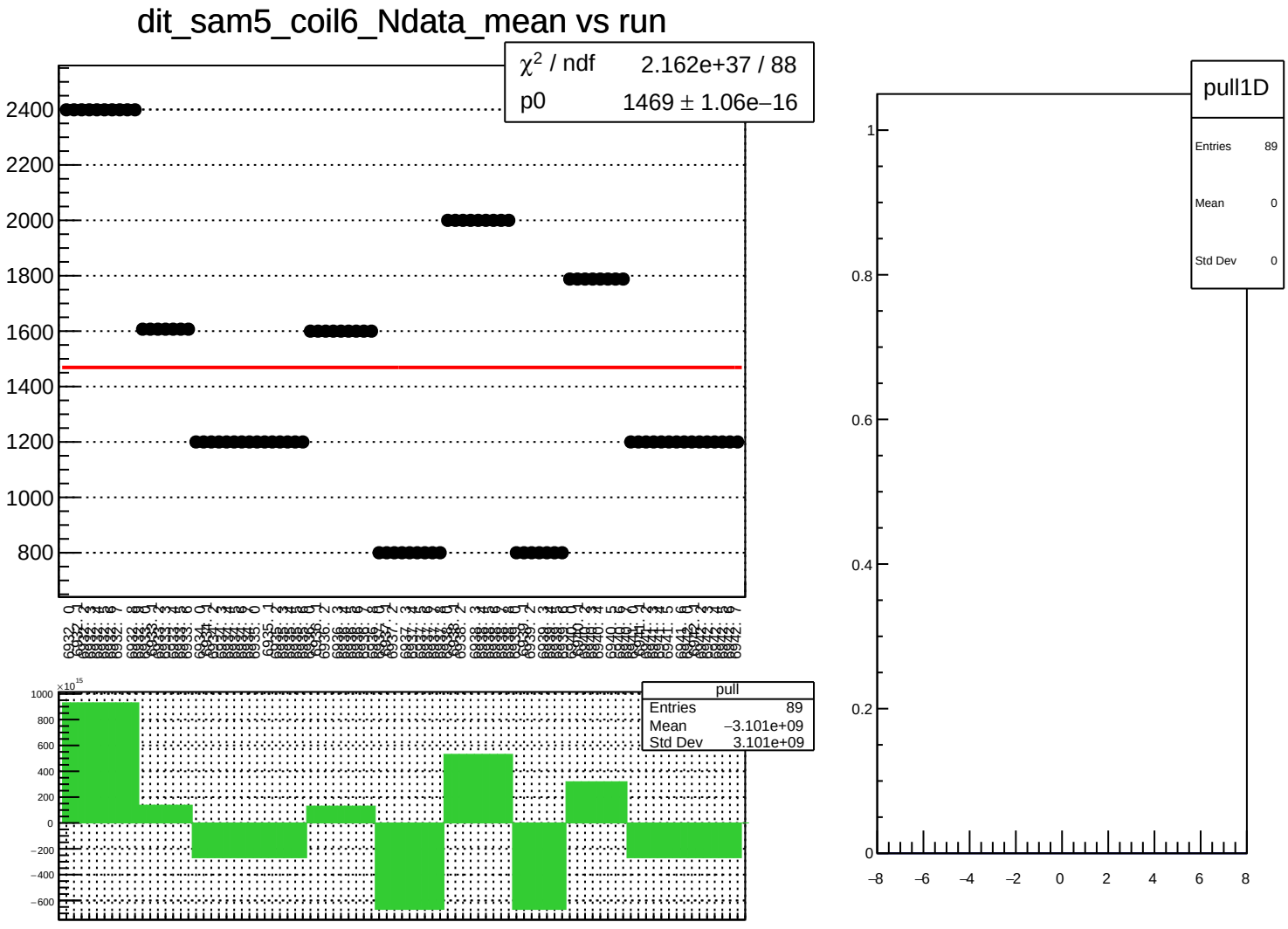

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

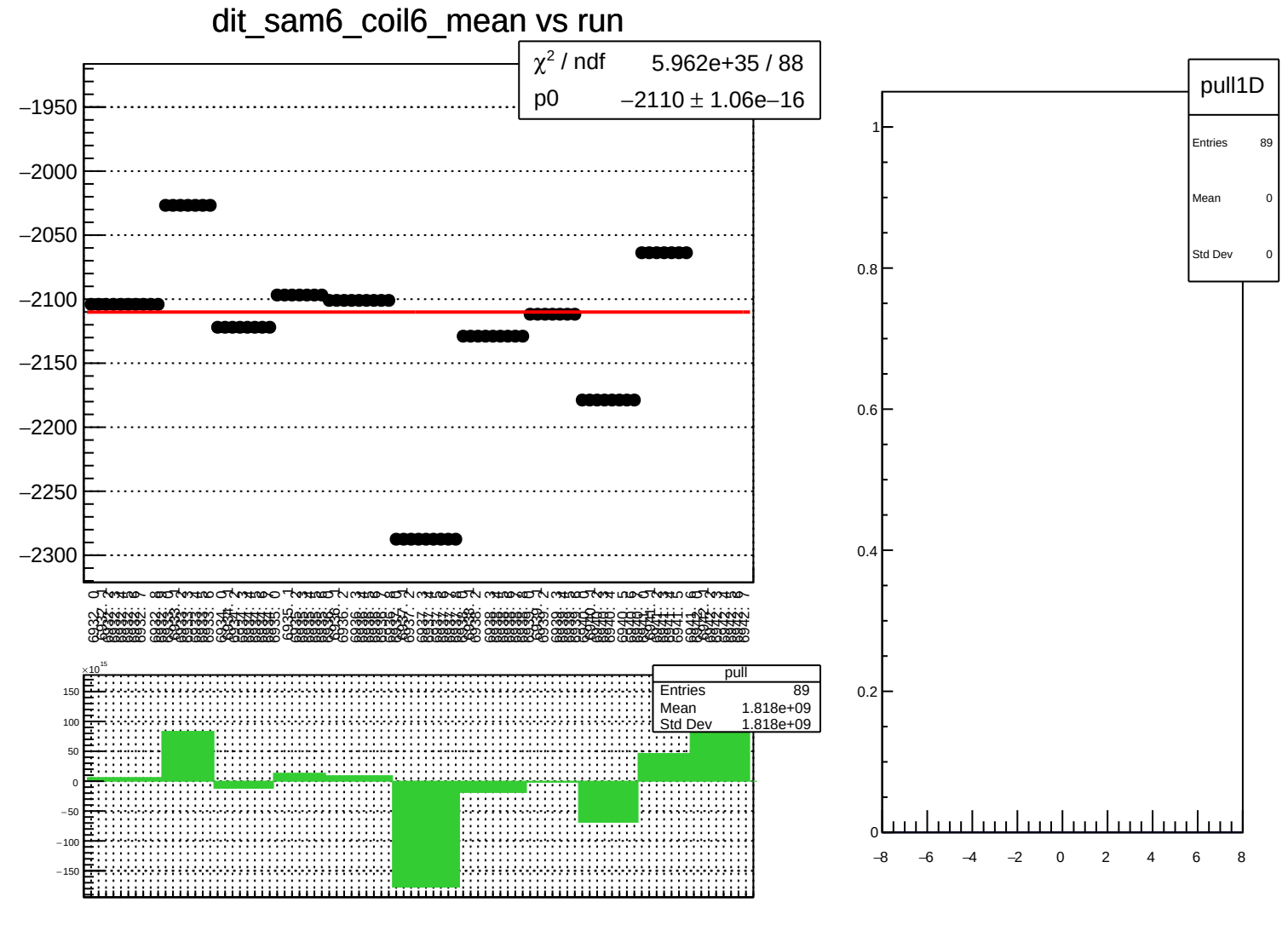

dit_sam5_coil6_mean vs run
χ² / ndf 1.259e+35 / 88
p0 −2298 ± 1.06e−16
−2240
−2260
−2280
−2300
−2320
−2340
pull
Entries 89
Mean −1.713e+09
Std Dev 1.713e+09
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

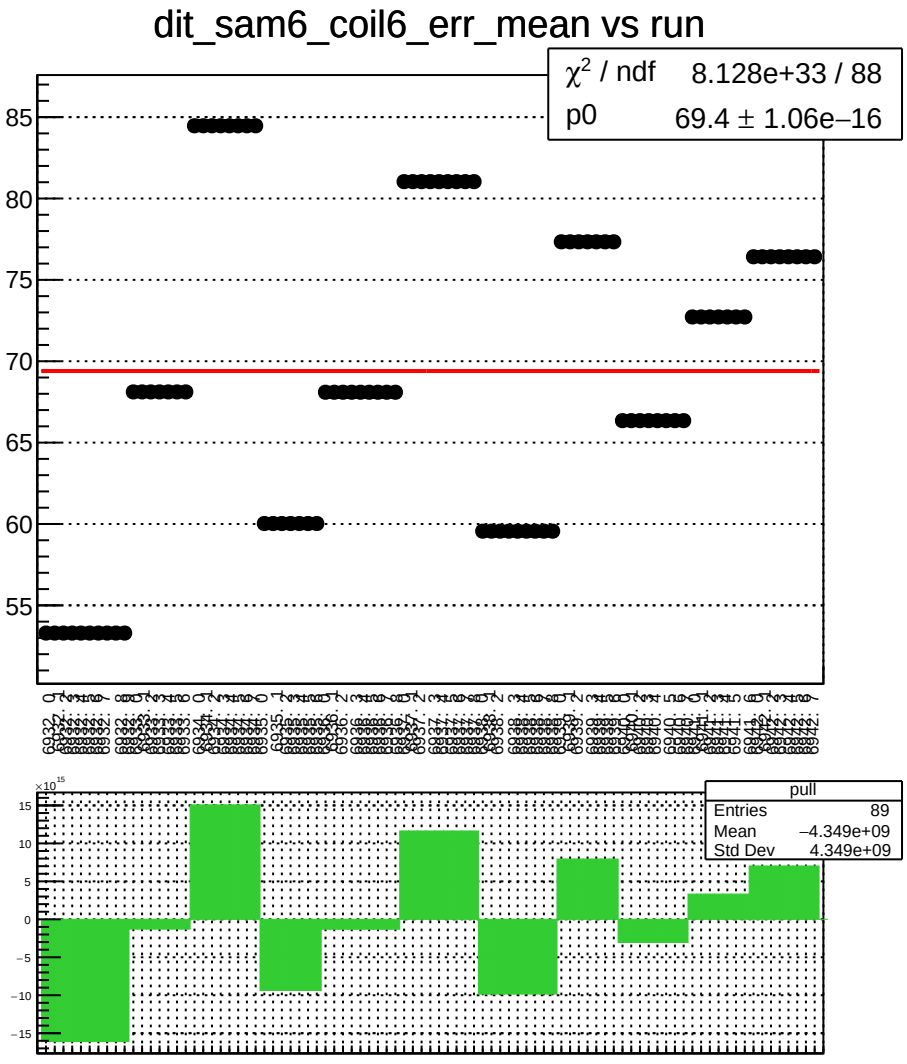
dit_sam5_coil6_err_mean vs run

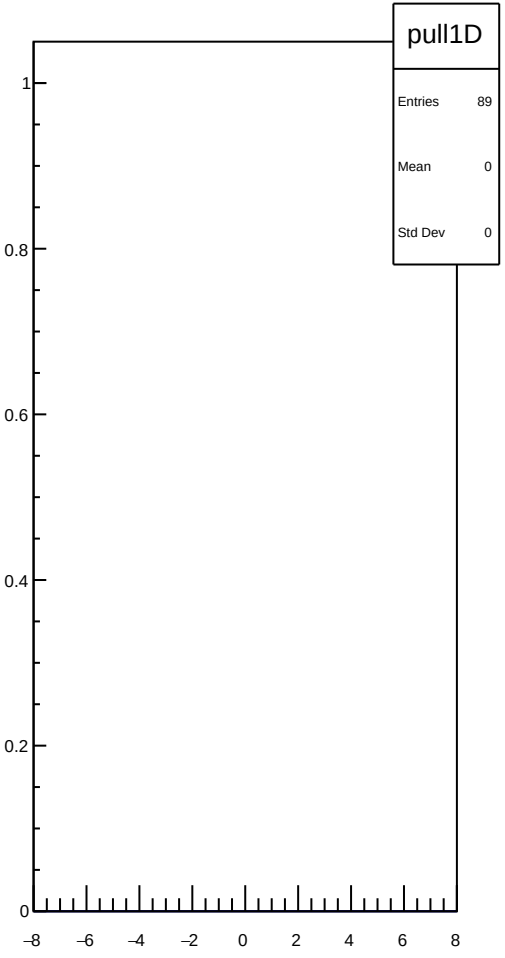


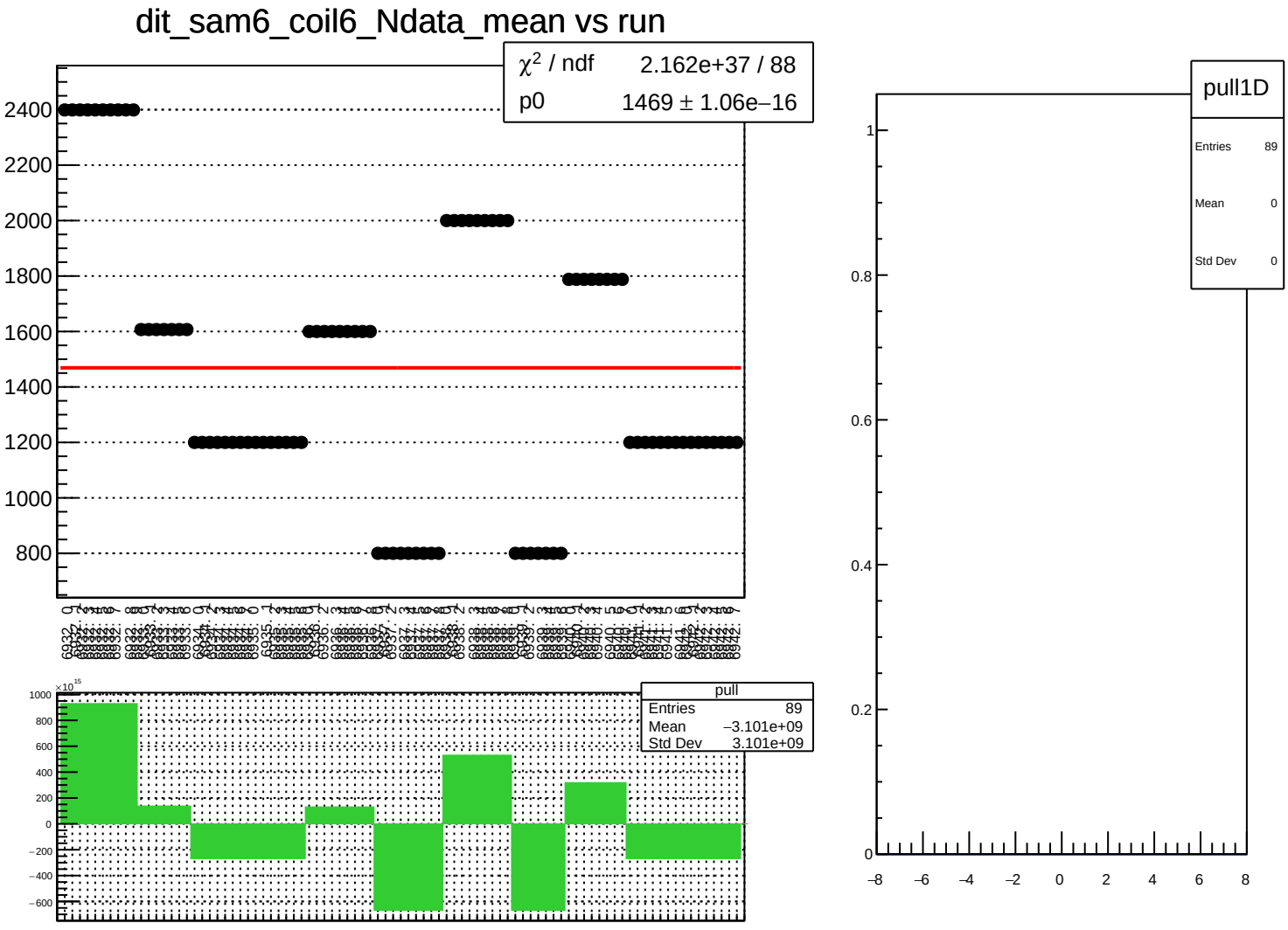


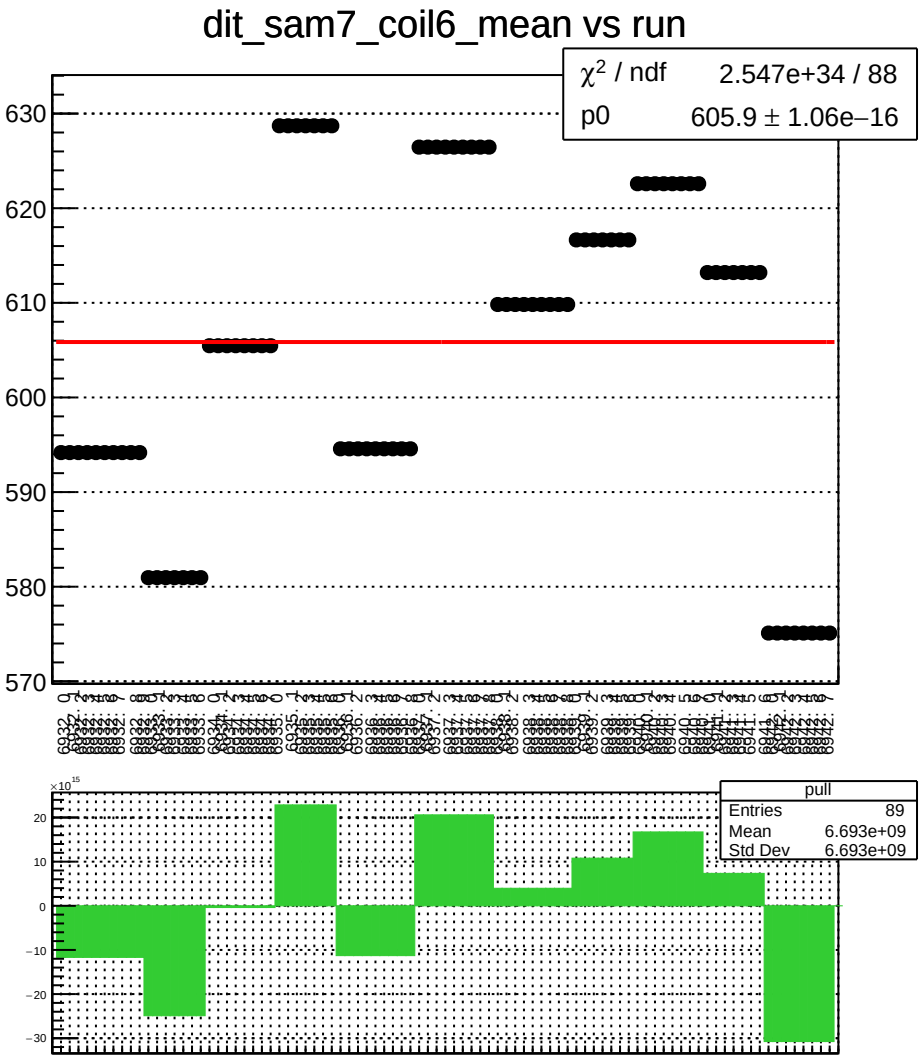

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

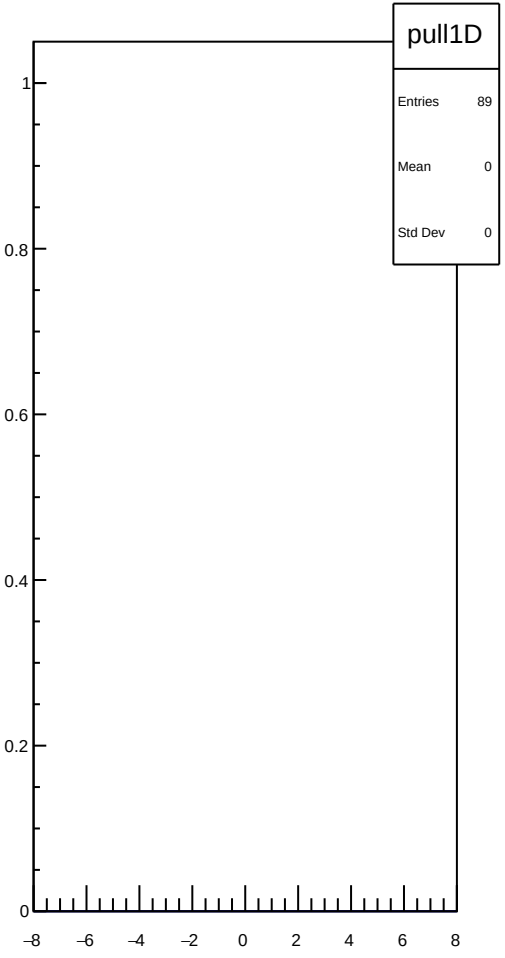

dit_sam6_coil6_mean vs run
χ^2 / ndf 5.962e+35 / 88
p0 −2110 ± 1.06e−16
−1950
−2000
−2050
−2100
−2150
−2200
−2250
−2300
pull
Entries 89
Mean 1.818e+09
Std Dev 1.818e+09
×10^15
150
100
50
0
−50
−100
−150
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil6_err_mean vs run
χ² / ndf 8.128e+33 / 88
p0 69.4 ± 1.06e−16
85
80
75
70
65
60
55
pull
Entries 89
Mean −4.349e+09
Std Dev 4.349e+09
×10¹⁵
15
10
5
0
−5
−10
−15

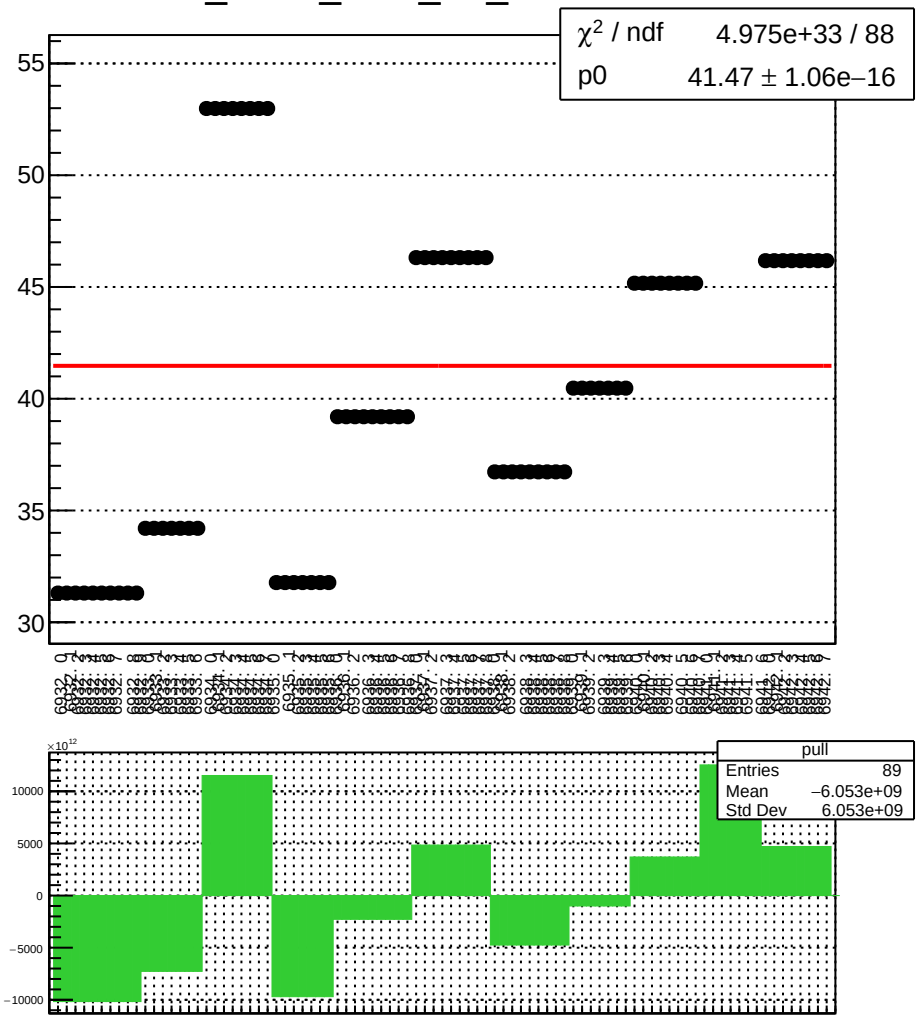

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

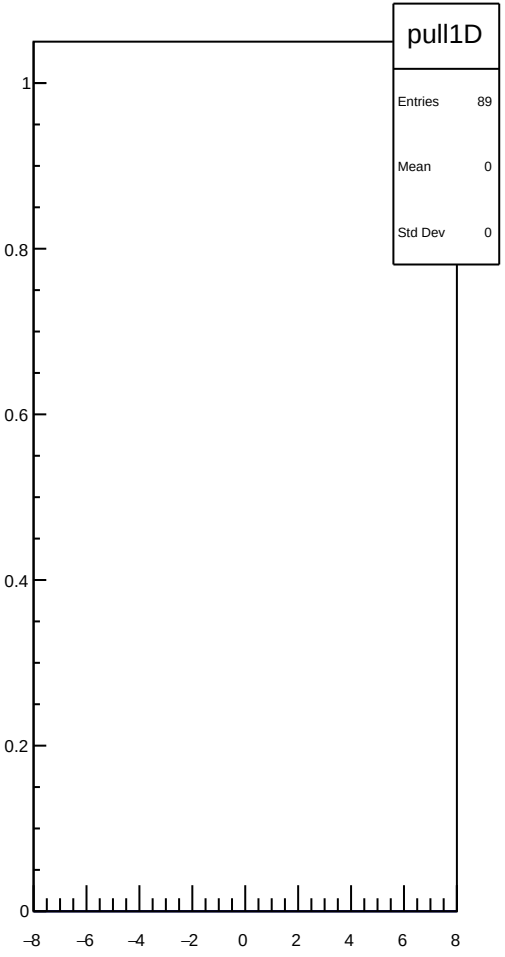

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

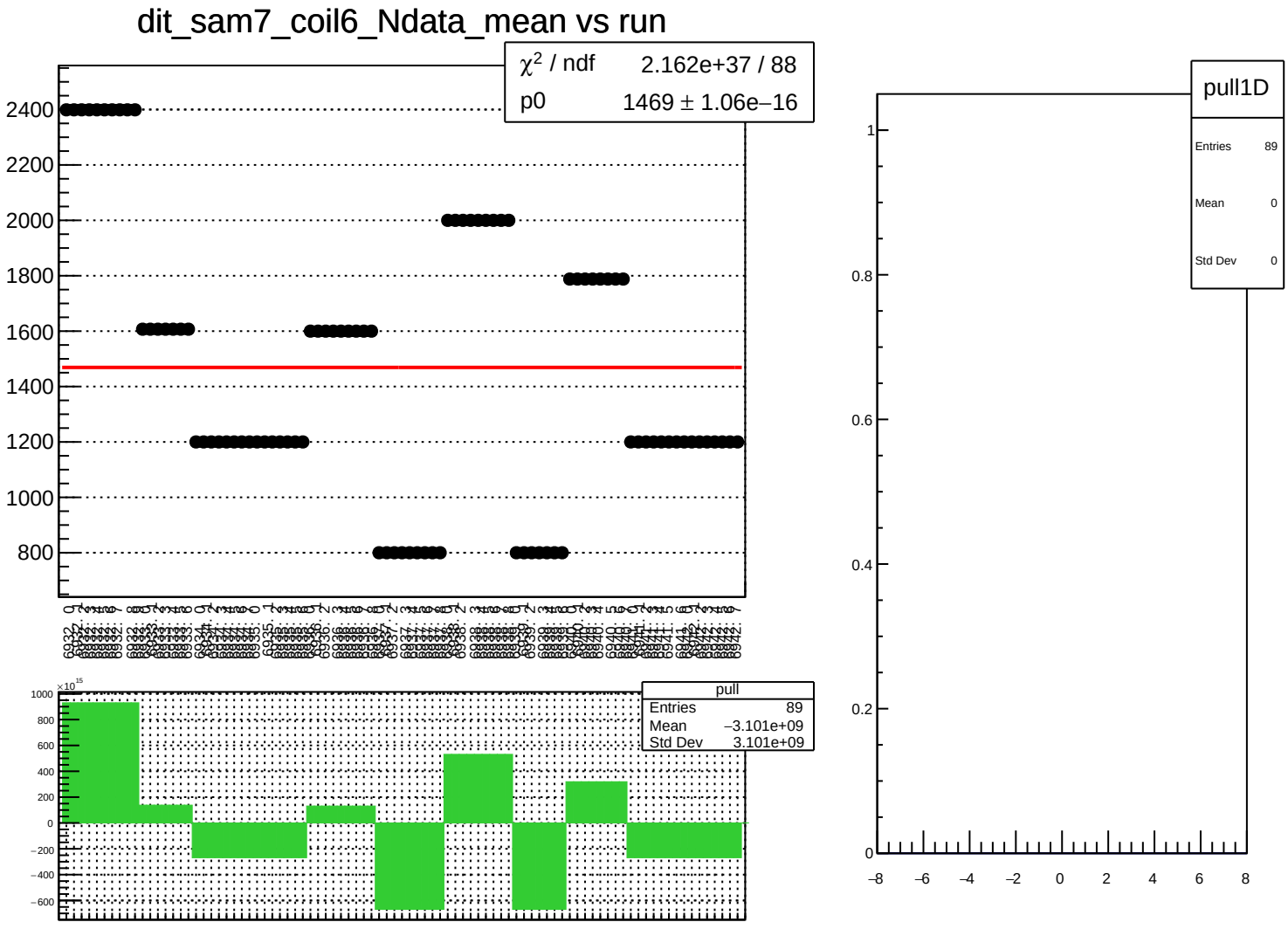

dit_sam7_coil6_mean vs run
χ² / ndf 2.547e+34 / 88
p0 605.9 ± 1.06e−16
630
620
610
600
590
580
570
pull
Entries 89
Mean 6.693e+09
Std Dev 6.693e+09
×10¹⁵
20
10
0
−10
−20
−30

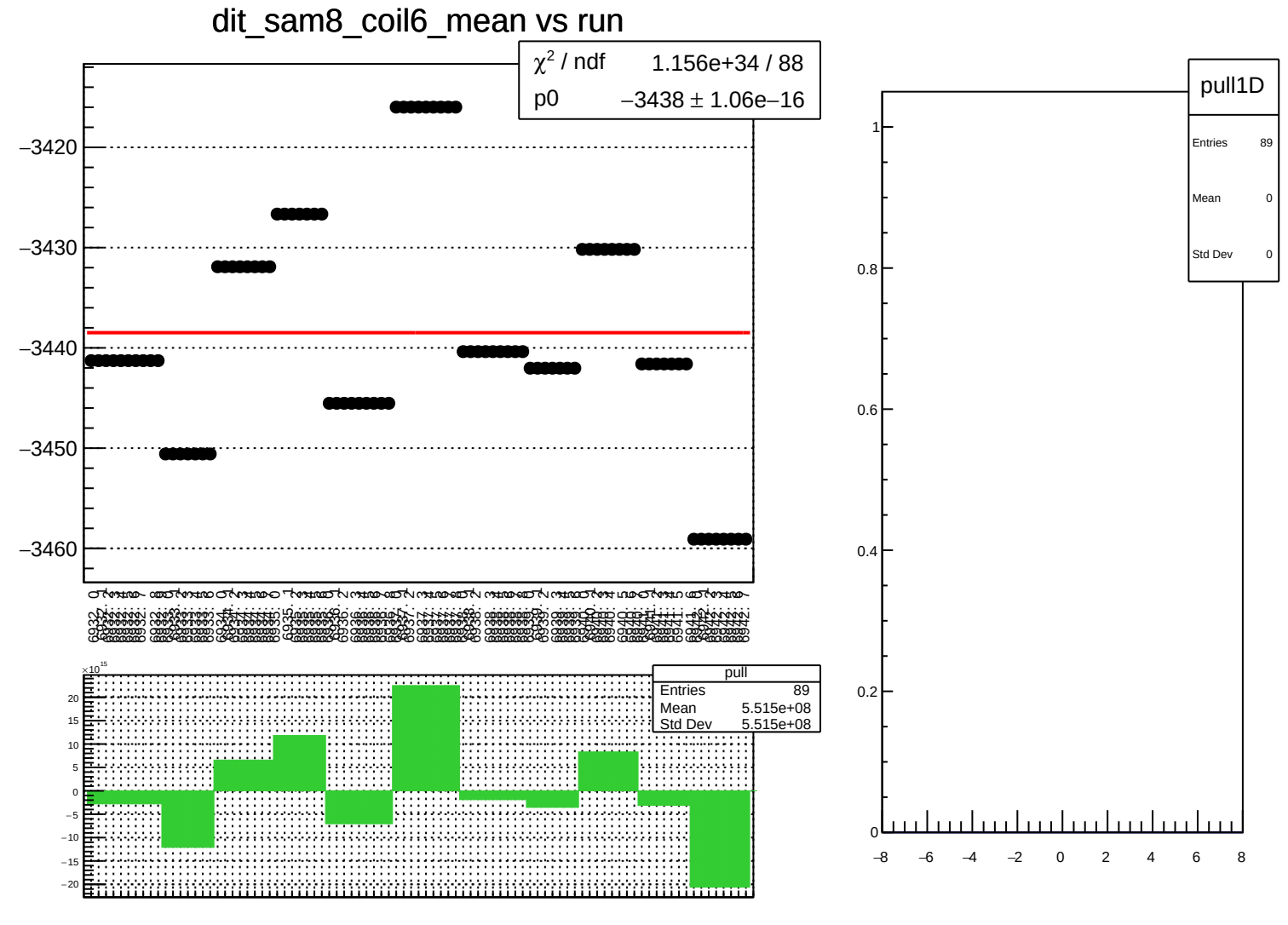

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil6_err_mean vs run

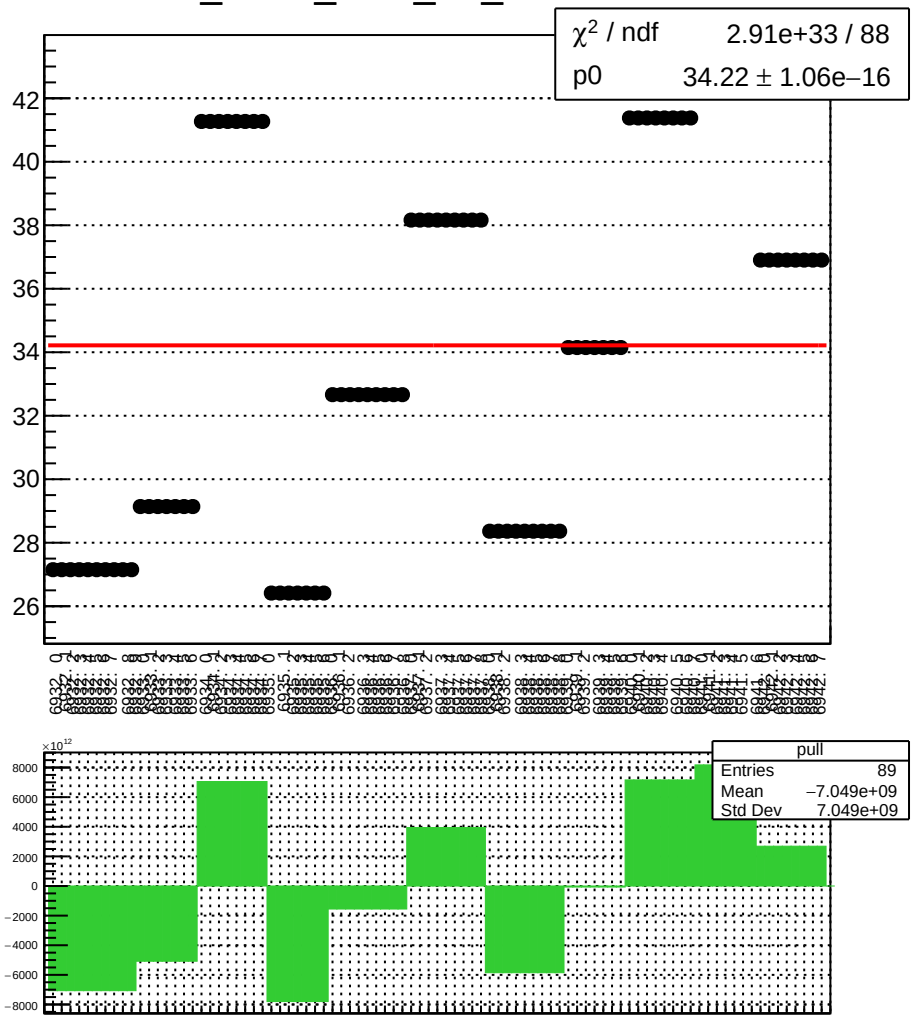


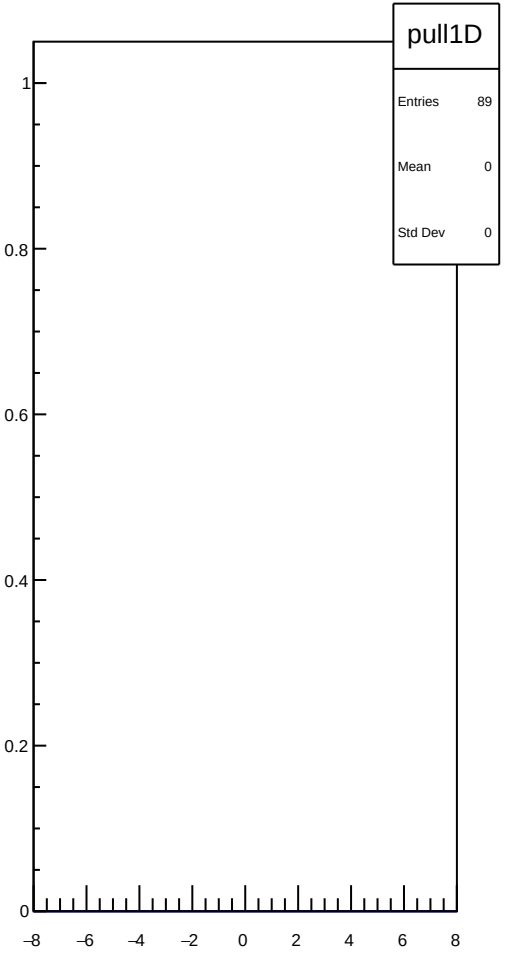


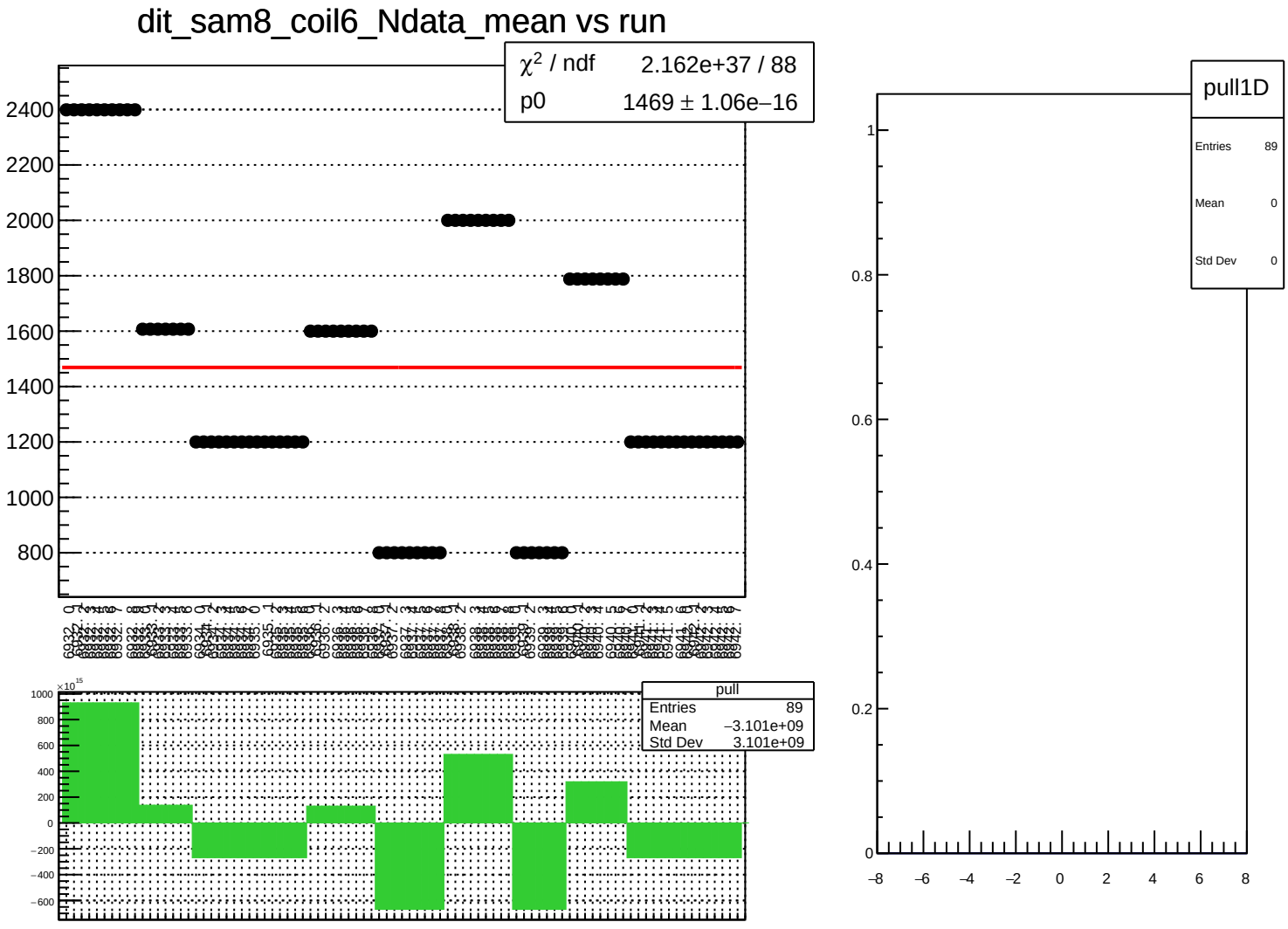

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

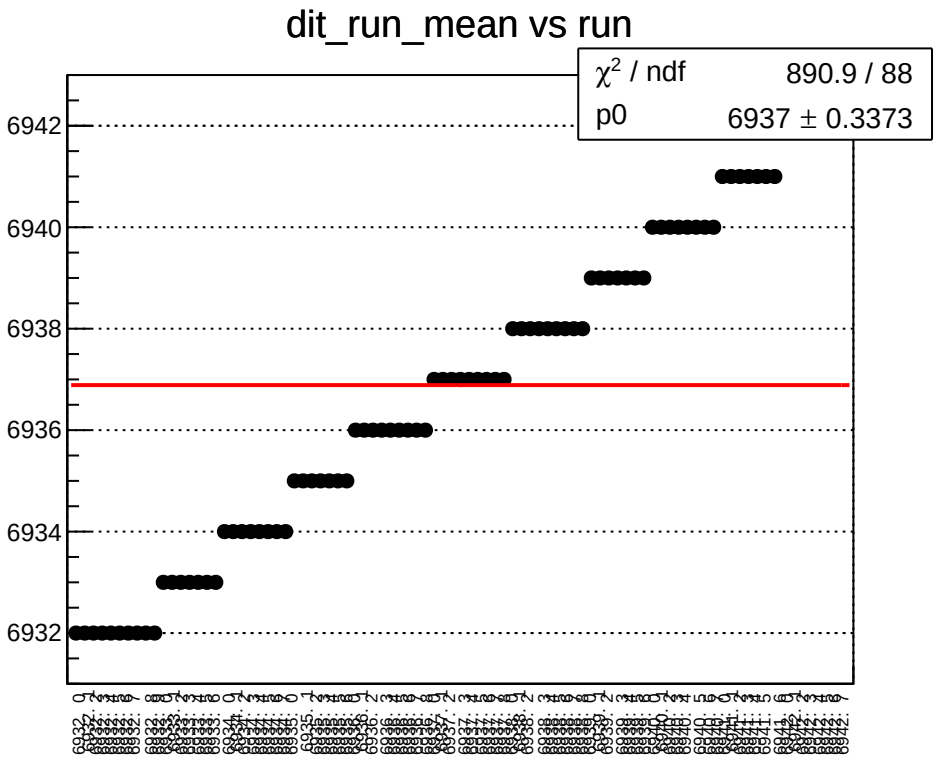

dit_sam8_coil6_mean vs run
χ² / ndf 1.156e+34 / 88
p0 −3438 ± 1.06e−16
−3420
−3430
−3440
−3450
−3460
pull
Entries 89
Mean 5.515e+08
Std Dev 5.515e+08
×10¹⁵
20
15
10
5
0
−5
−10
−15
−20
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

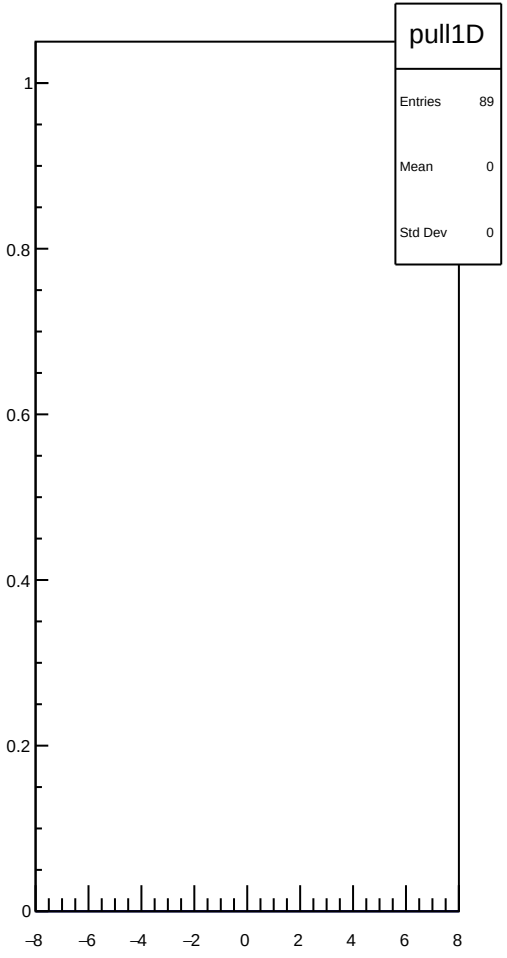
dit_sam8_coil6_err_mean vs run



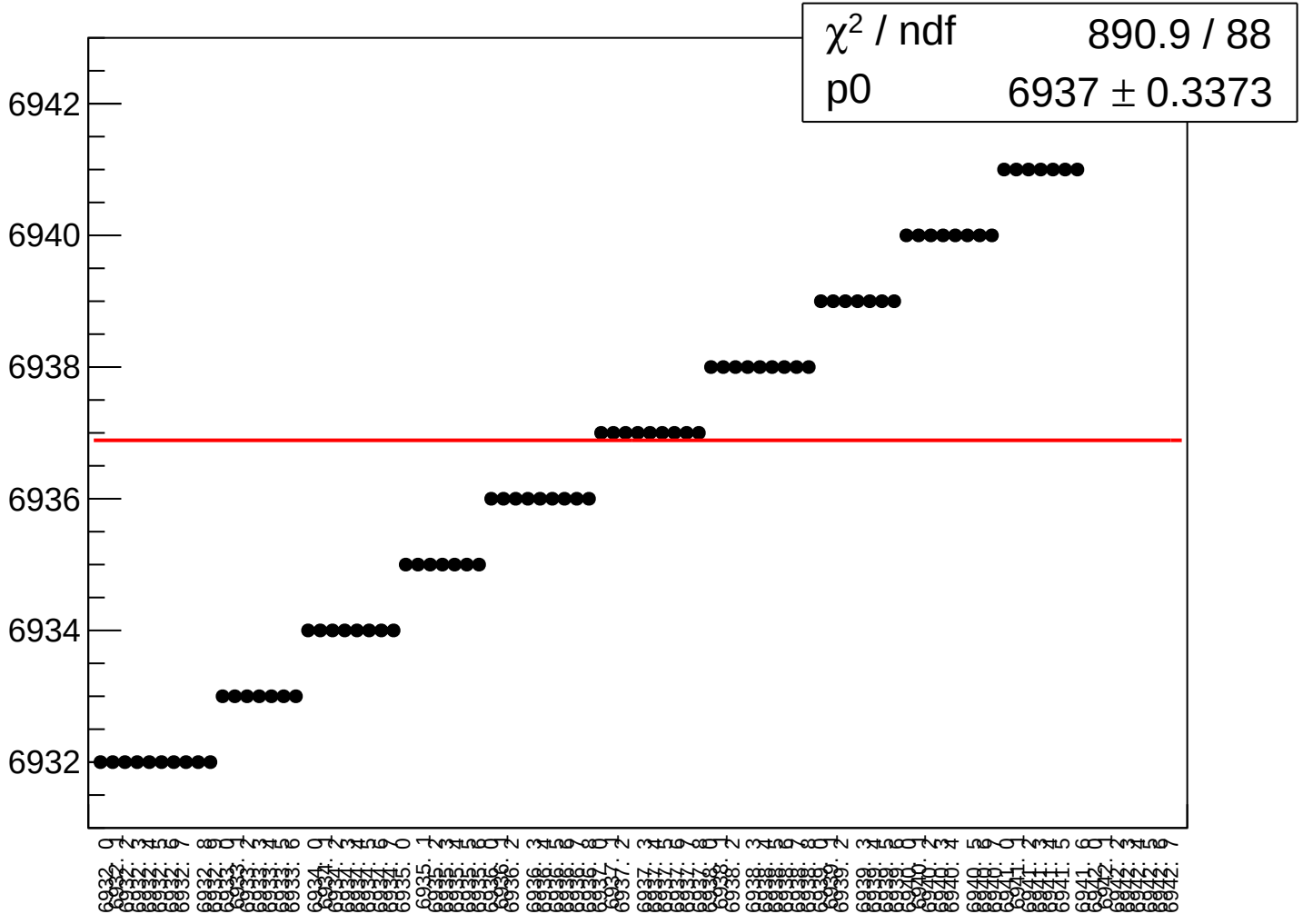


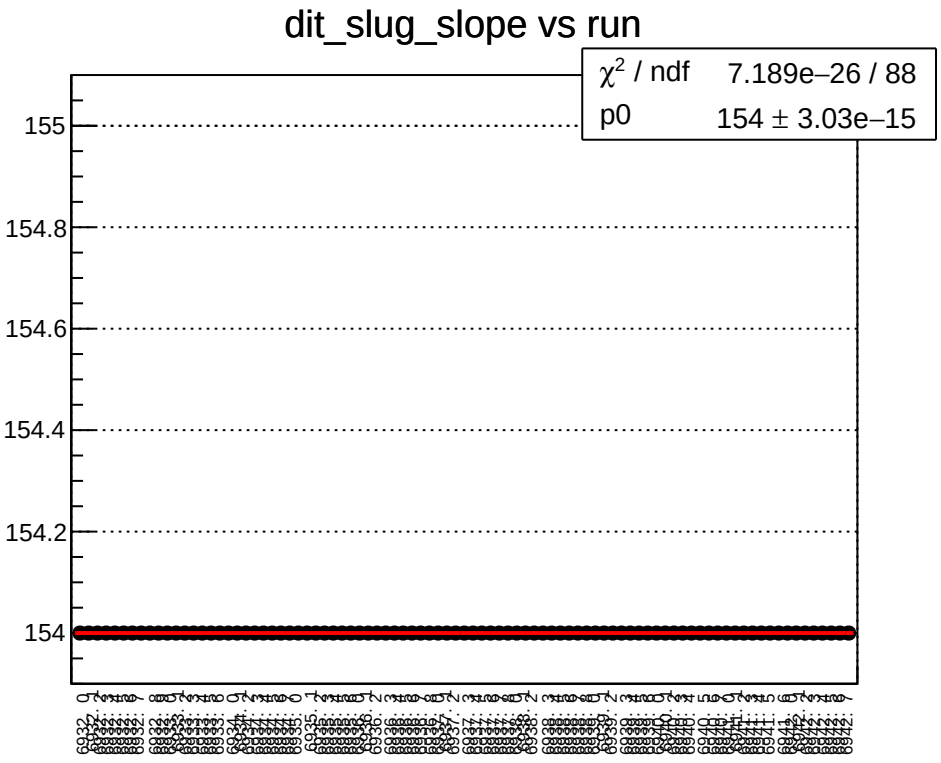

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 2.162e+37 / 88
p0 1469 ± 1.06e−16
2400
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 89
Mean −3.101e+09
Std Dev 3.101e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

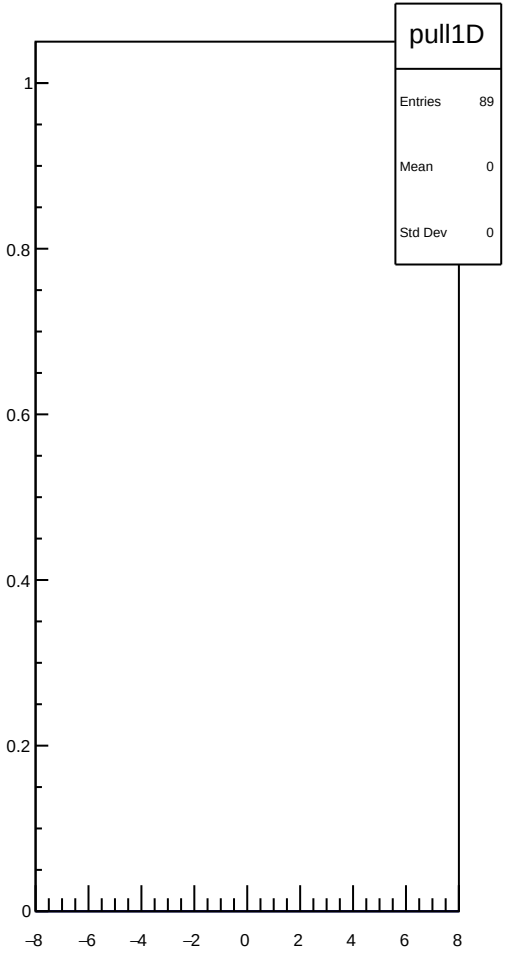

dit_run_mean vs run
χ^2 / ndf 890.9 / 88
p0 6937 ± 0.3373
6942
6940
6938
6936
6934
6932

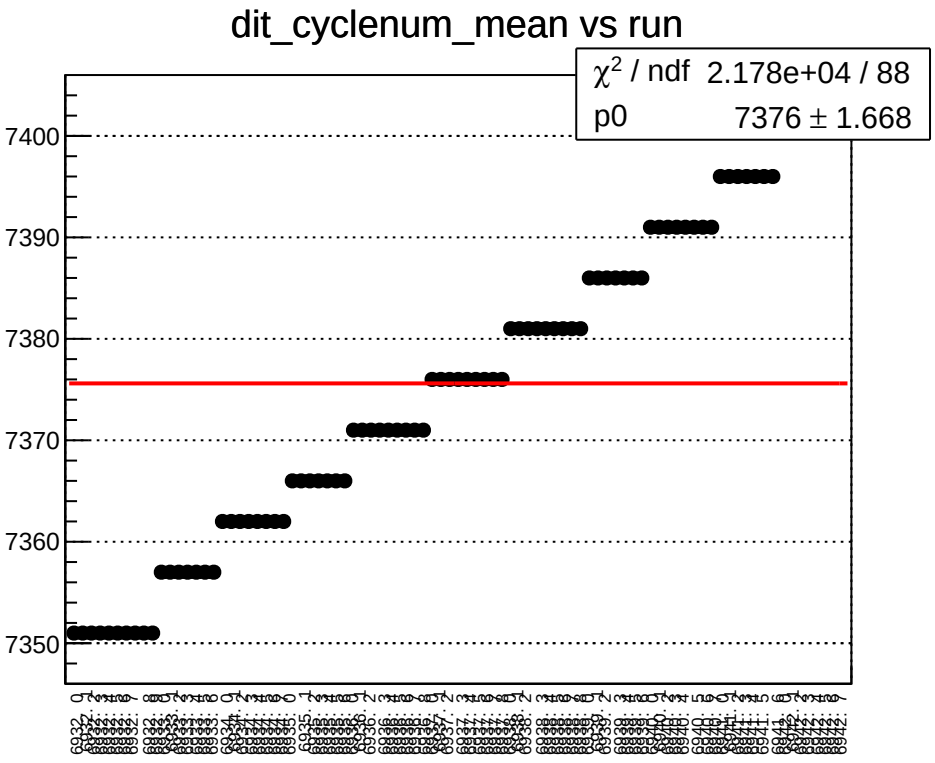

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

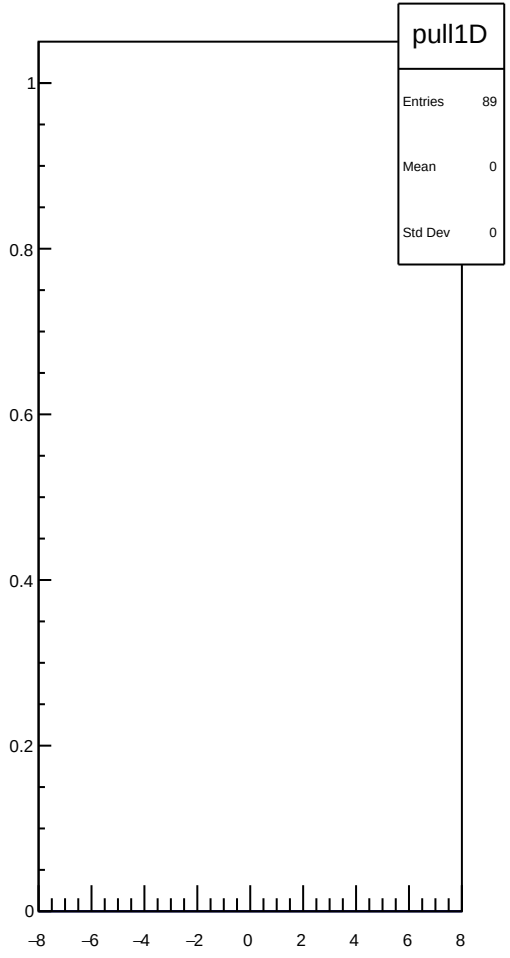
dit_run_rms vs run

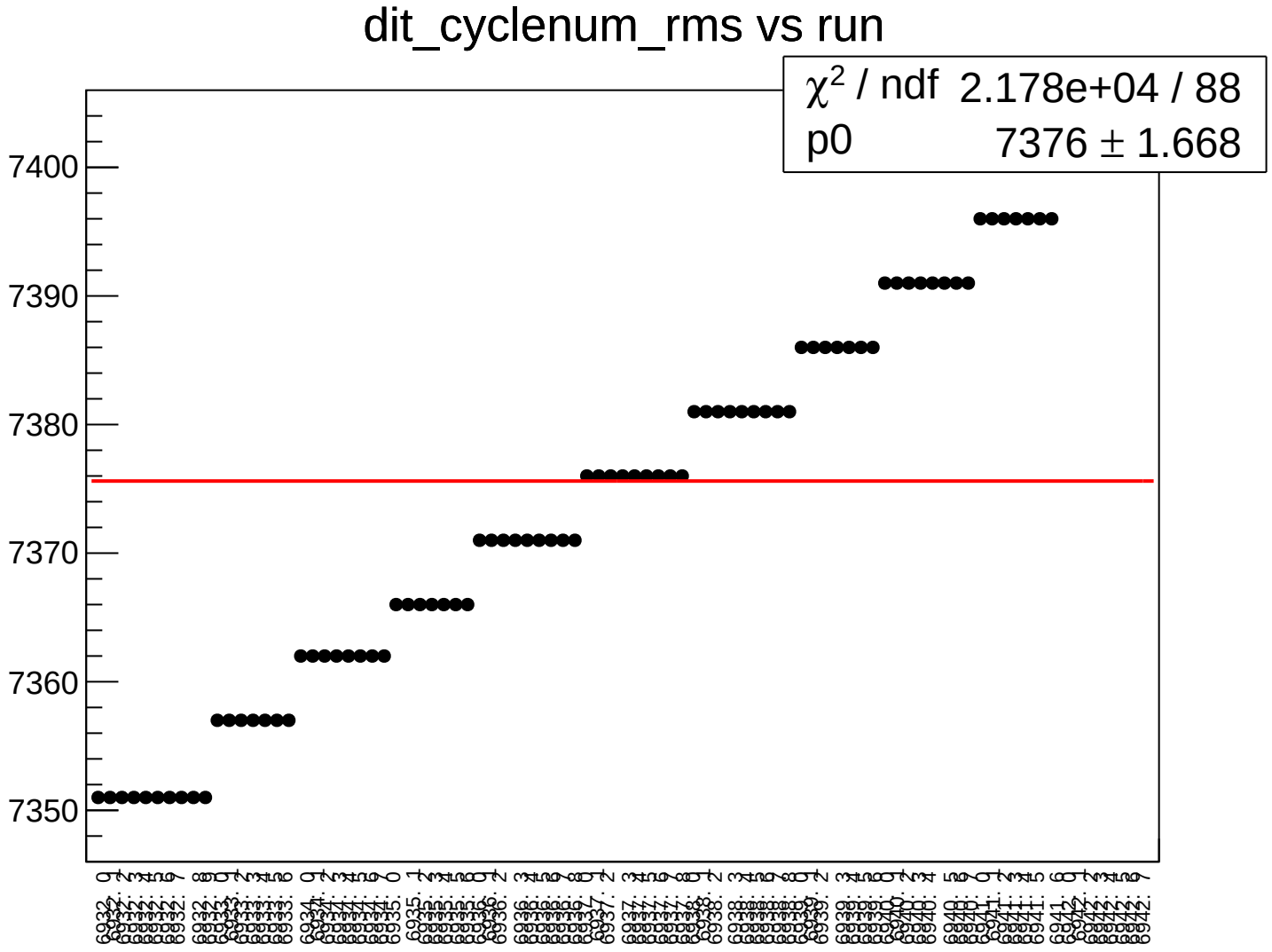


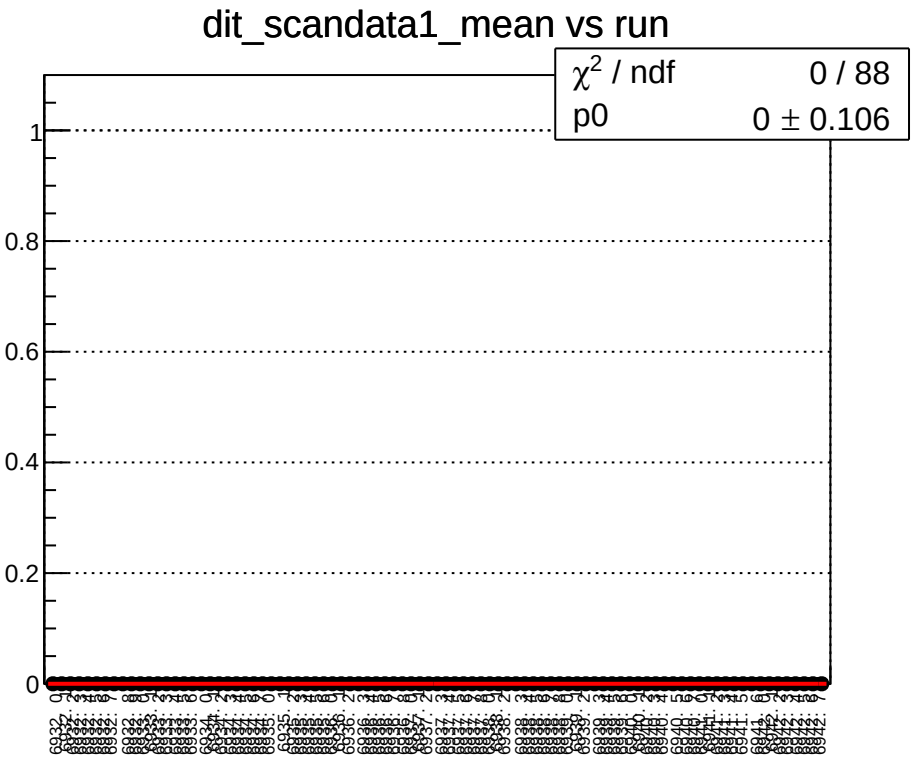

dit_slug_slope vs run
χ^2 / ndf 7.189e−26 / 88
p0 154 ± 3.03e−15
155
154.8
154.6
154.4
154.2
154

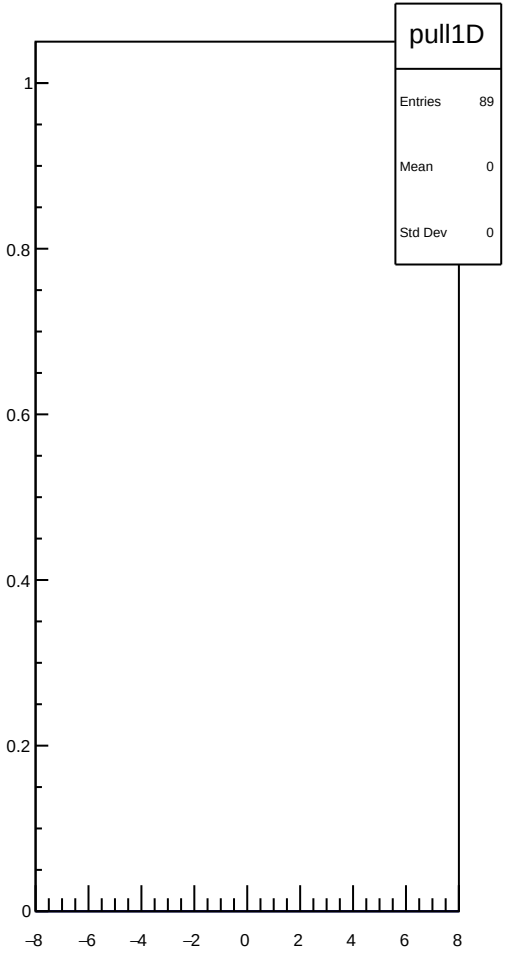

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 2.178e+04 / 88
p0 7376 ± 1.668
7400
7390
7380
7370
7360
7350

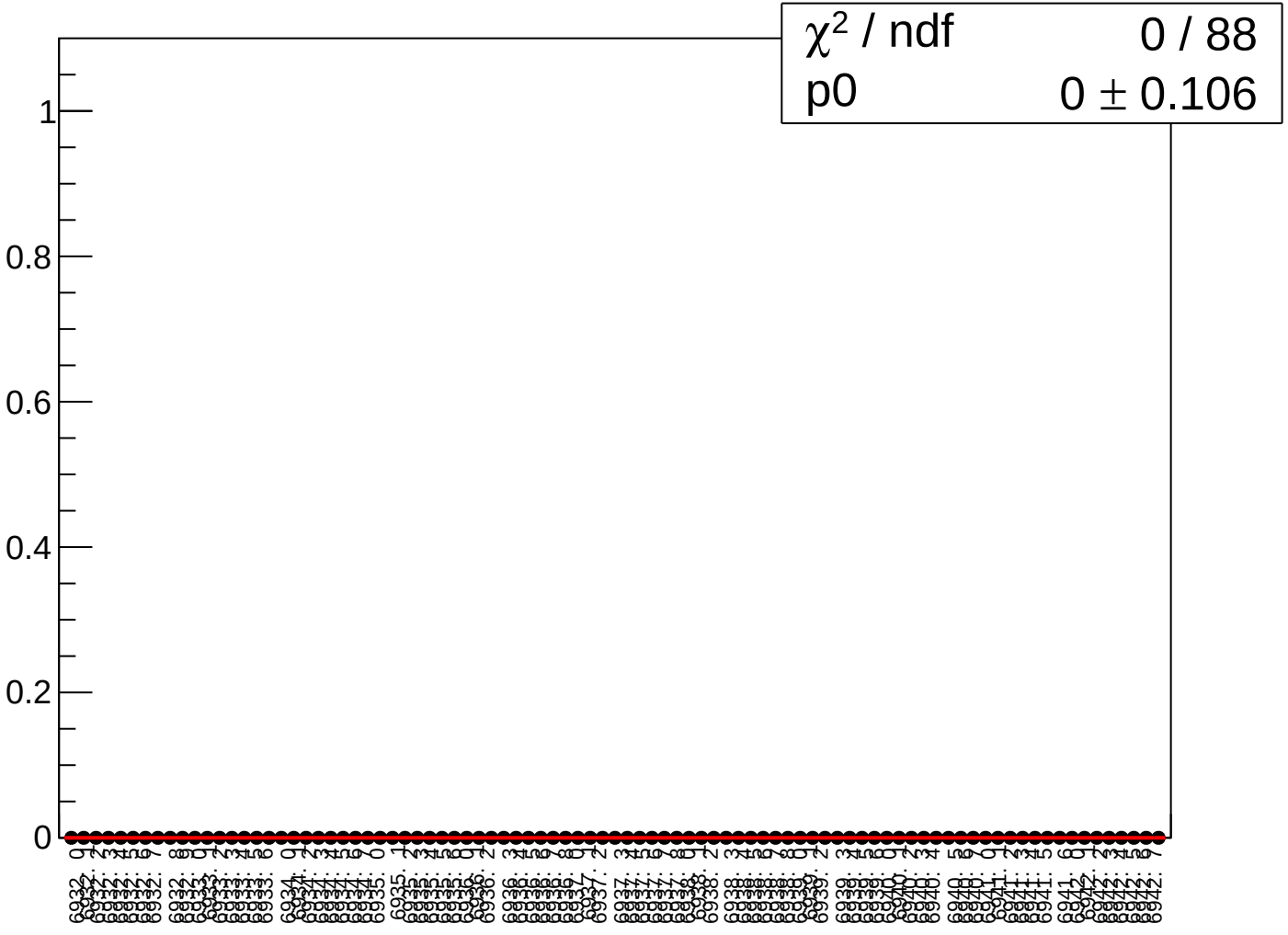

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

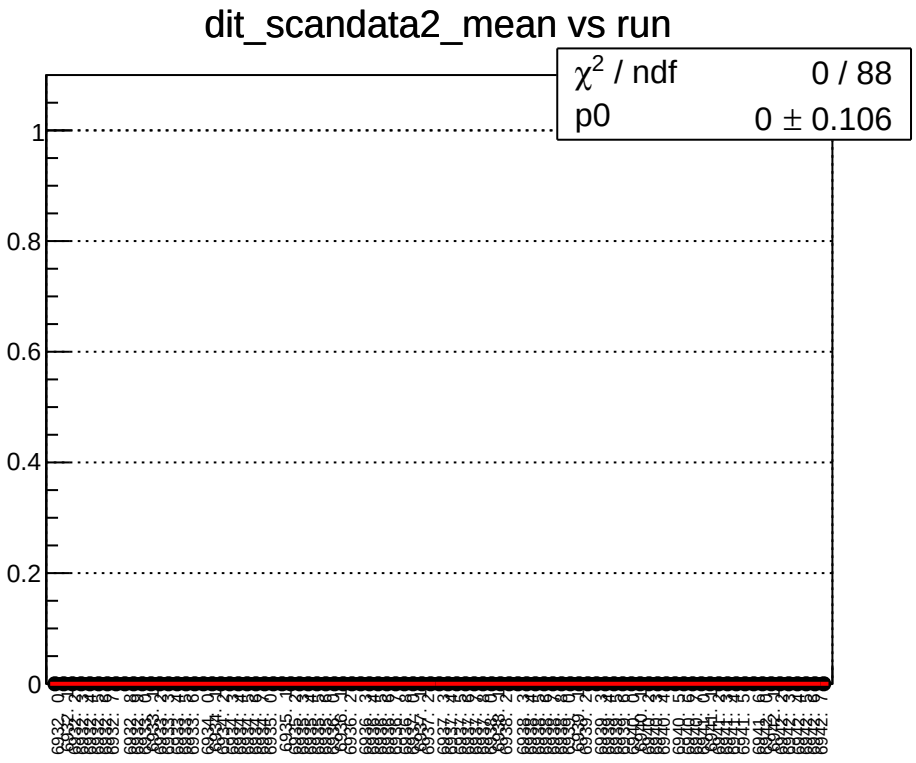

dit_cyclenum_rms vs run
χ^2 / ndf 2.178e+04 / 88
p0 7376 ± 1.668
7400
7390
7380
7370
7360
7350

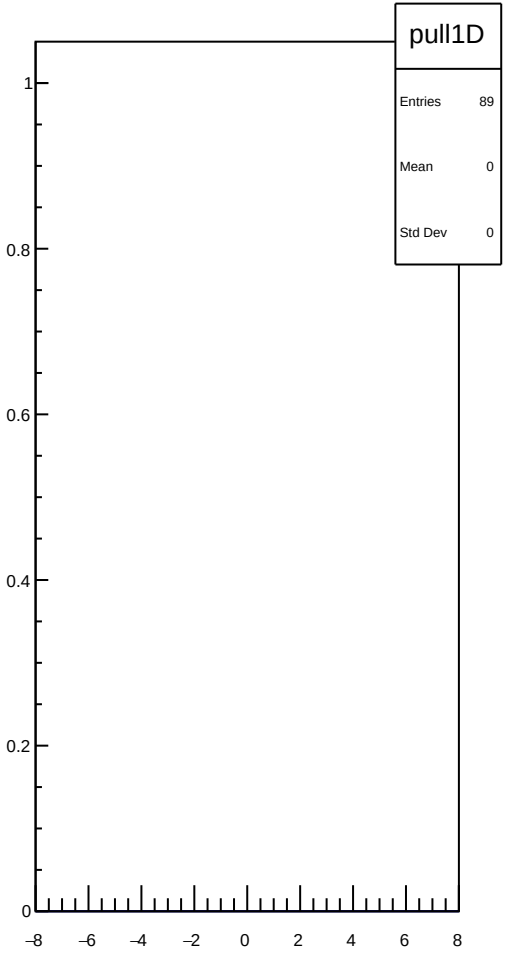

dit_scandata1_mean vs run
χ^2 / ndf 0 / 88
p0 0 ± 0.106
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

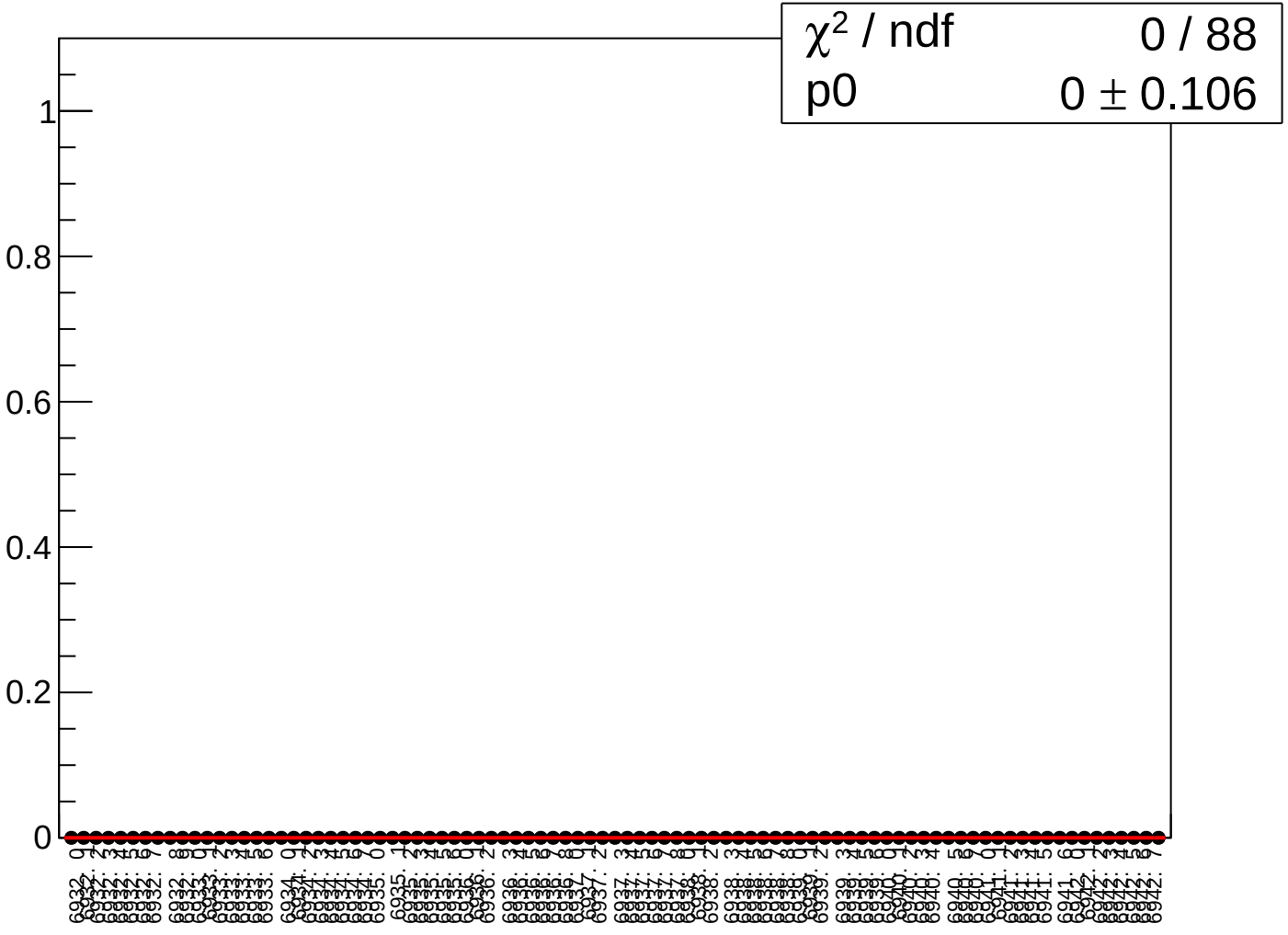
dit_scandata1_rms vs run

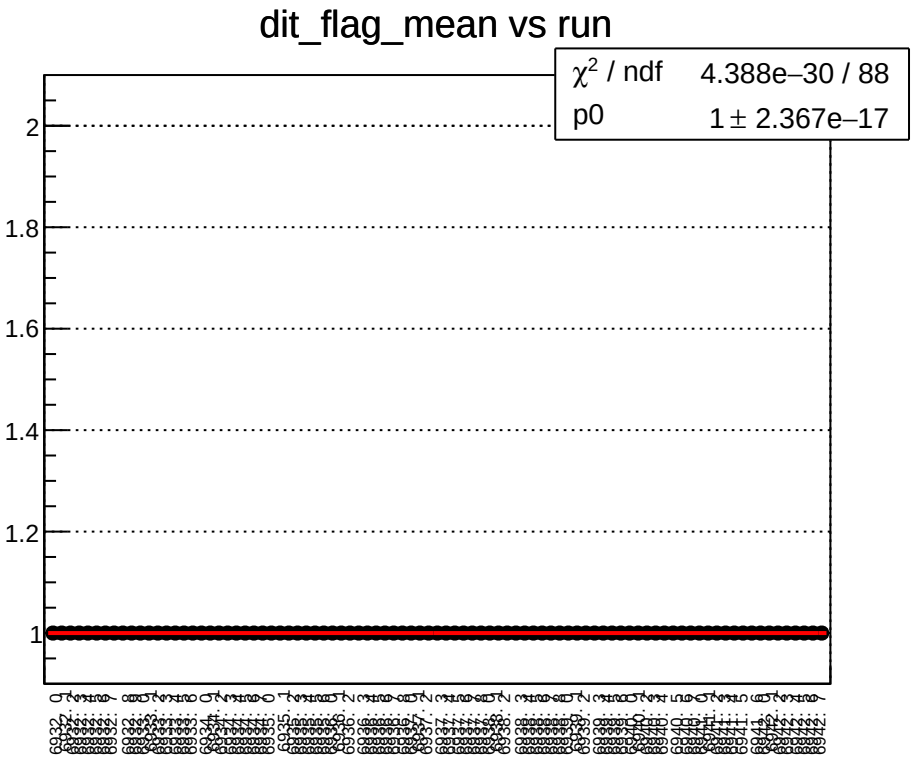


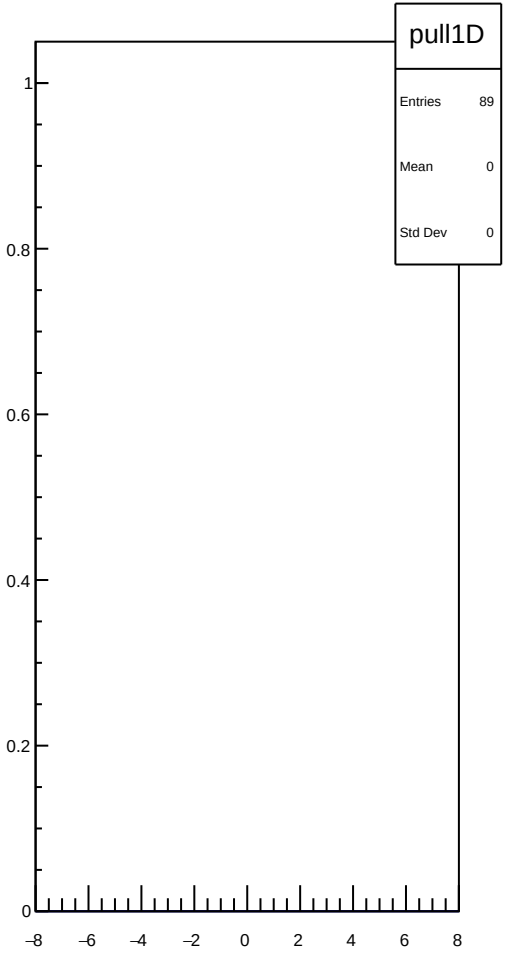

dit_scandata2_mean vs run
χ^2 / ndf 0 / 88
p0 0 ± 0.106
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

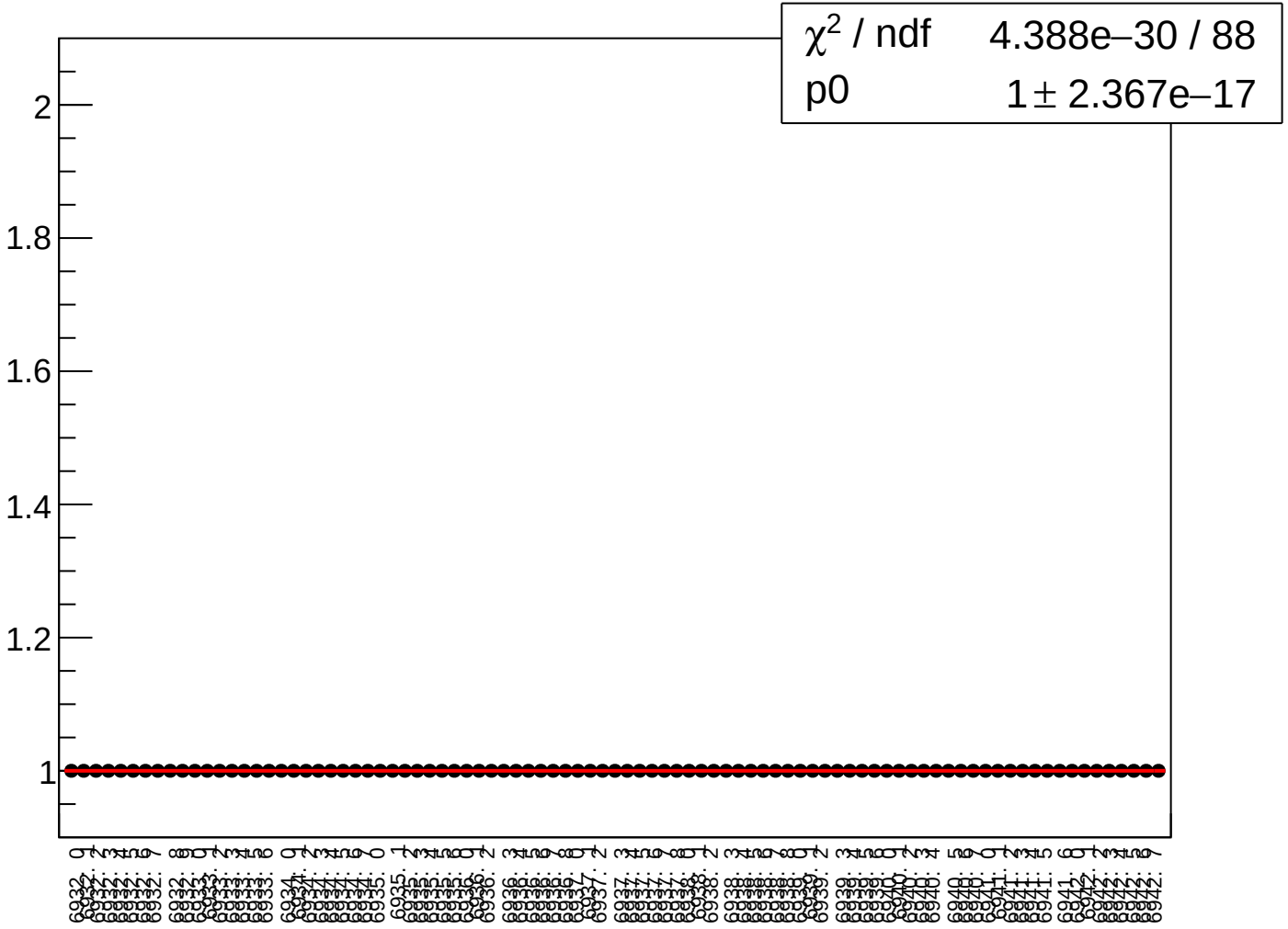
dit_scandata2_rms vs run

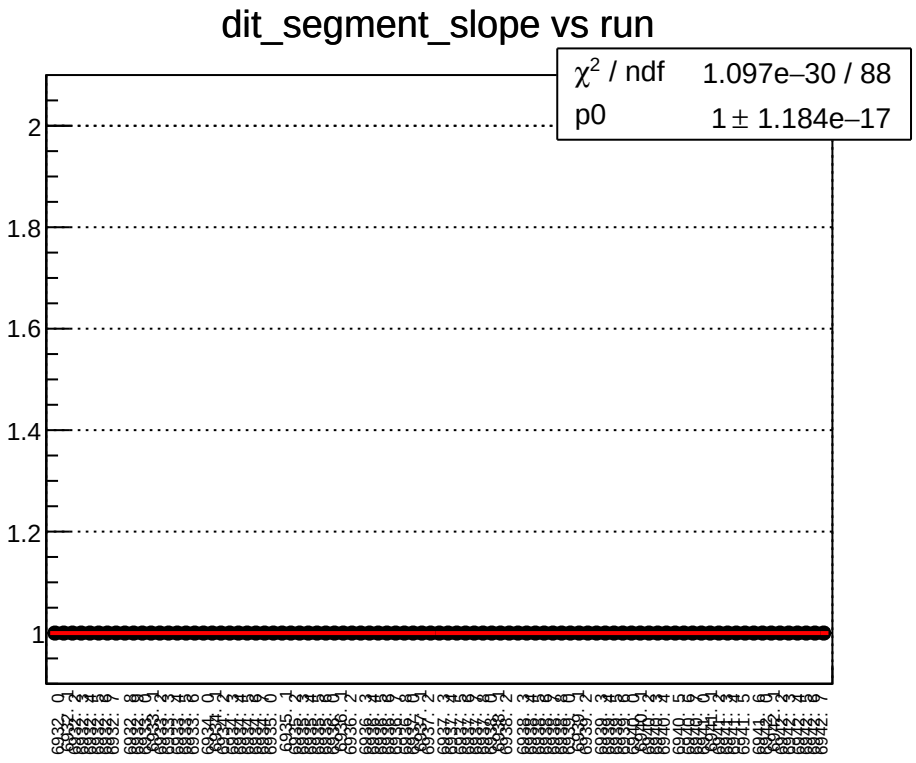


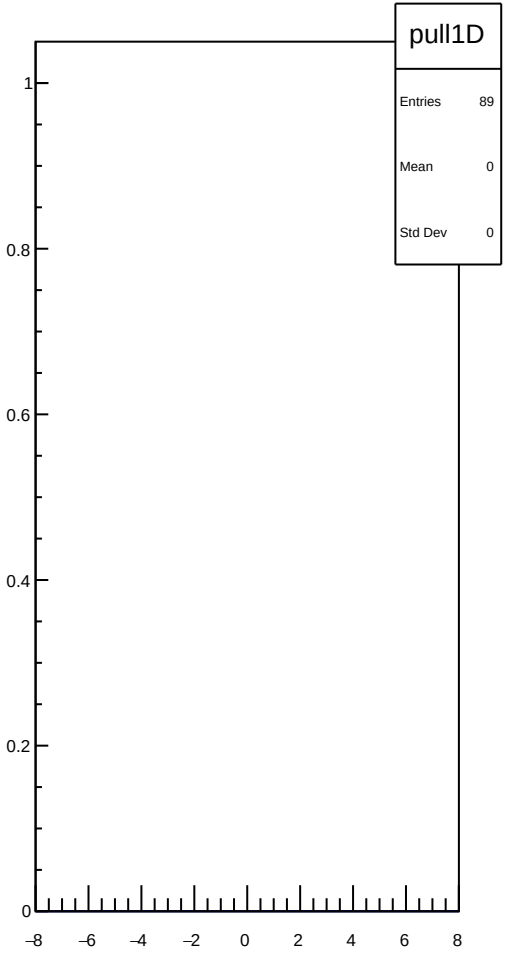

dit_flag_mean vs run
χ^2 / ndf 4.388e−30 / 88
p0 1 ± 2.367e−17
2
1.8
1.6
1.4
1.2
1

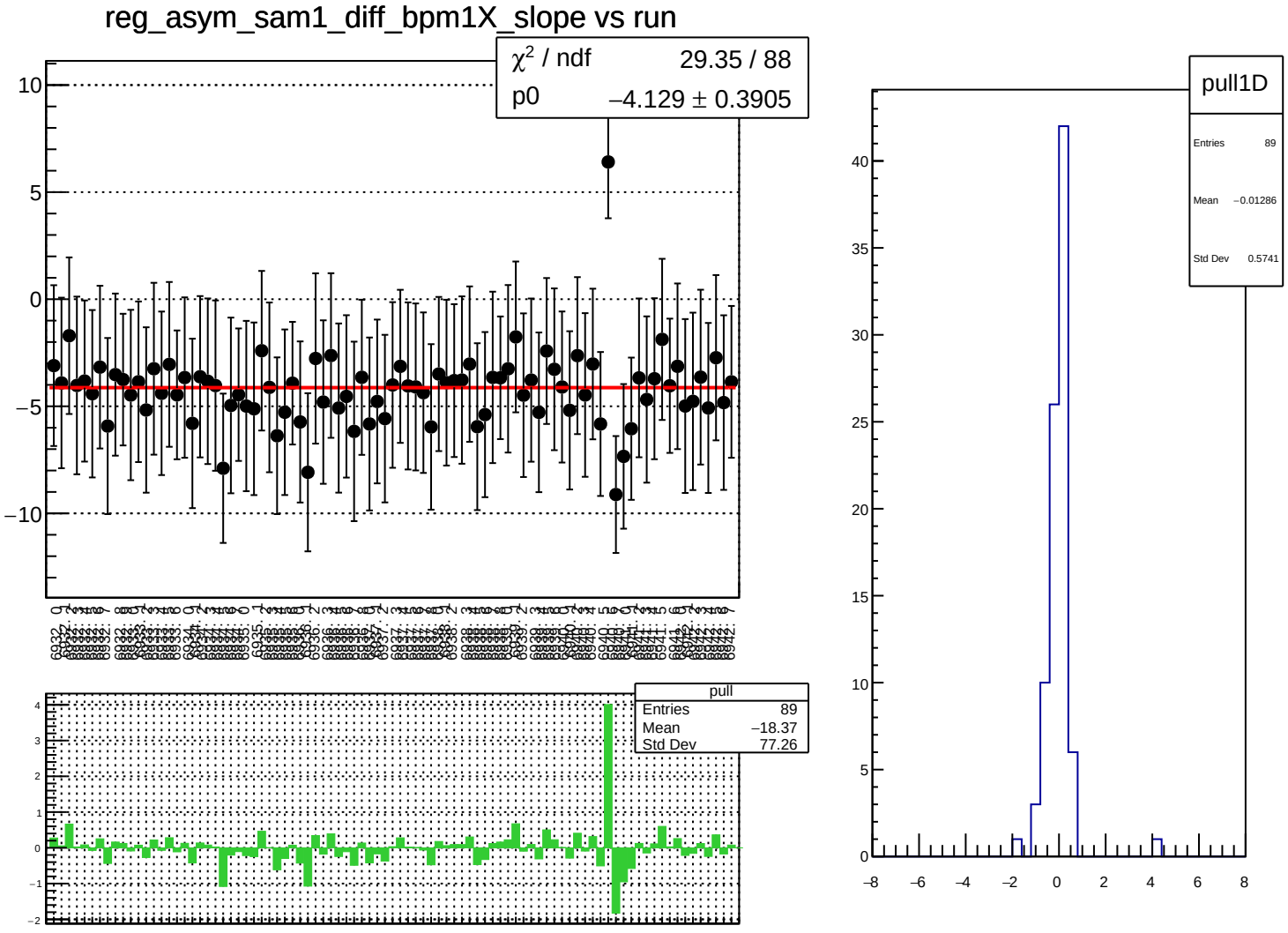

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

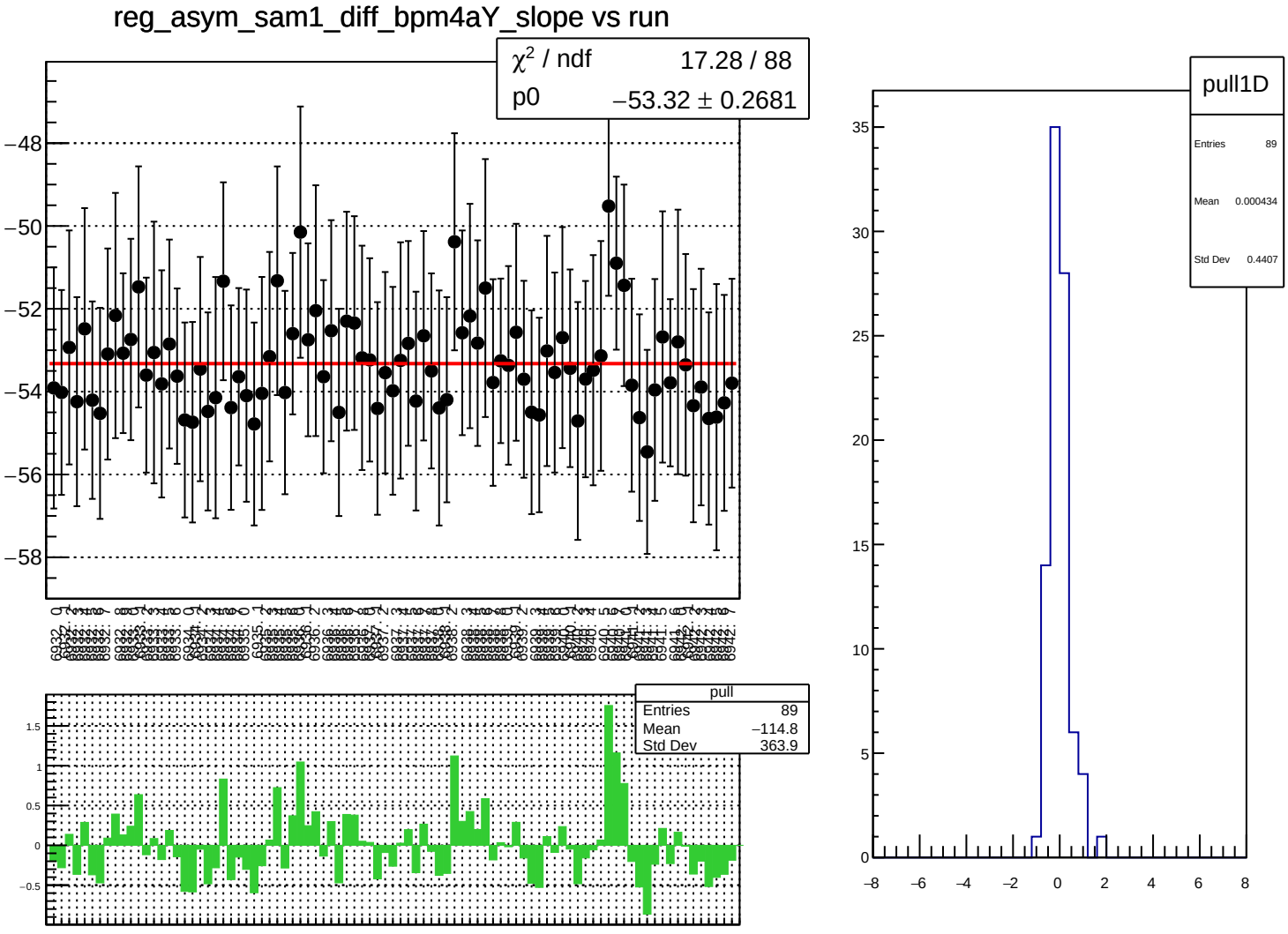
dit_flag_rms vs run

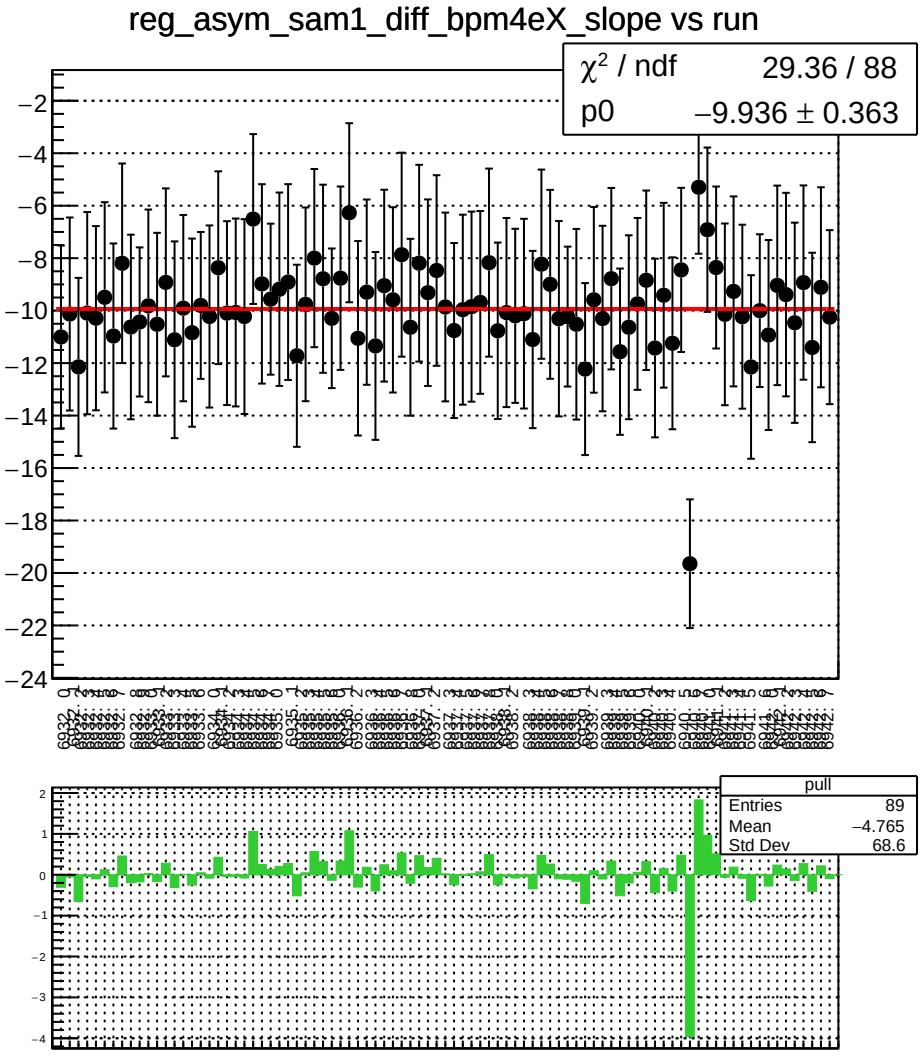


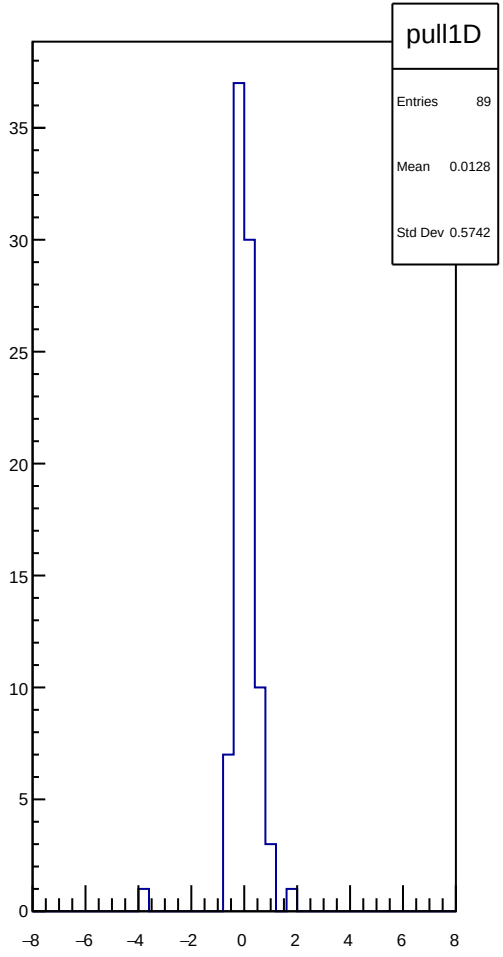

dit_segment_slope vs run
χ^2 / ndf 1.097e−30 / 88
p0 1 ± 1.184e−17
2
1.8
1.6
1.4
1.2
1

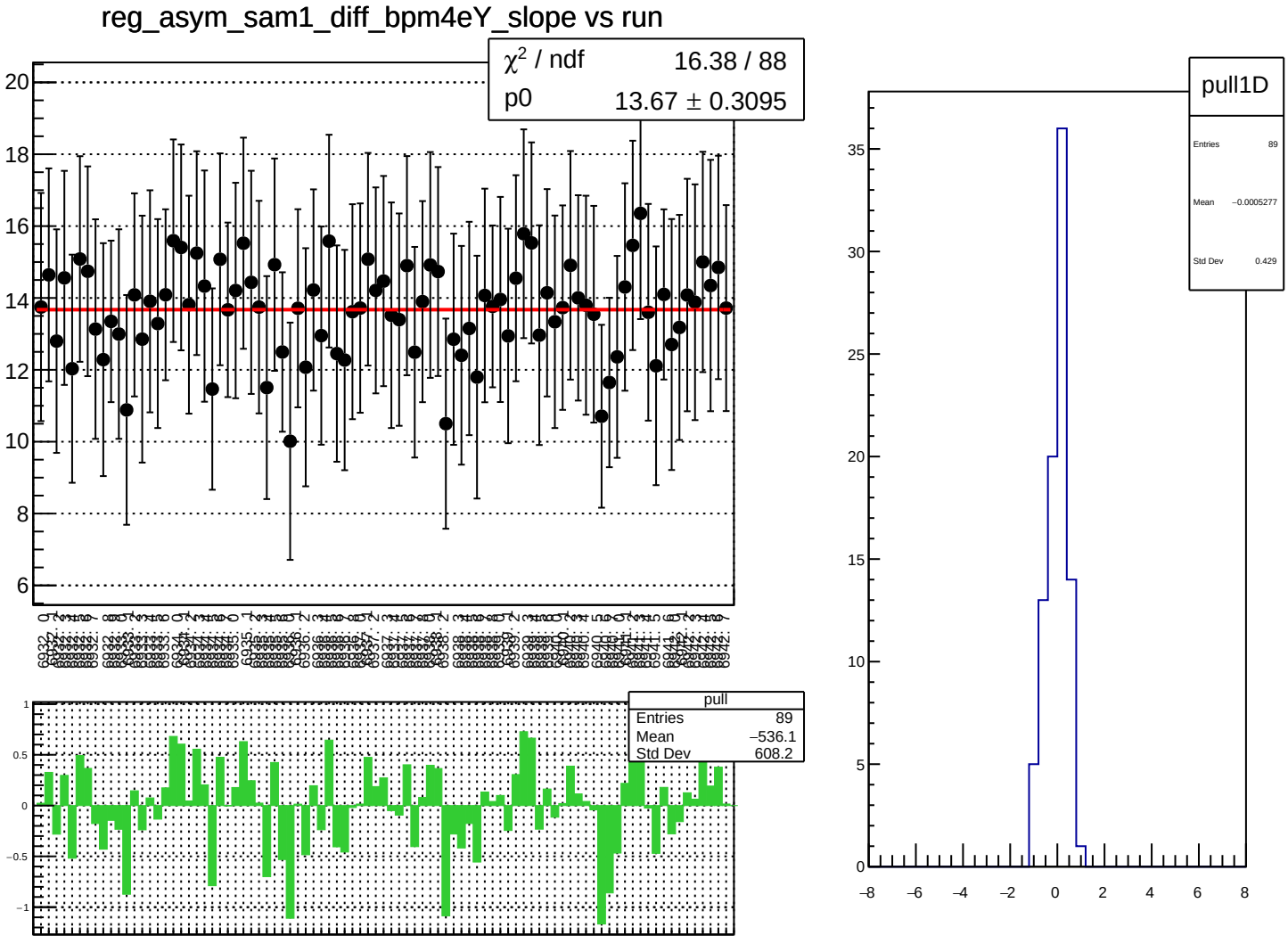

pull1D
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

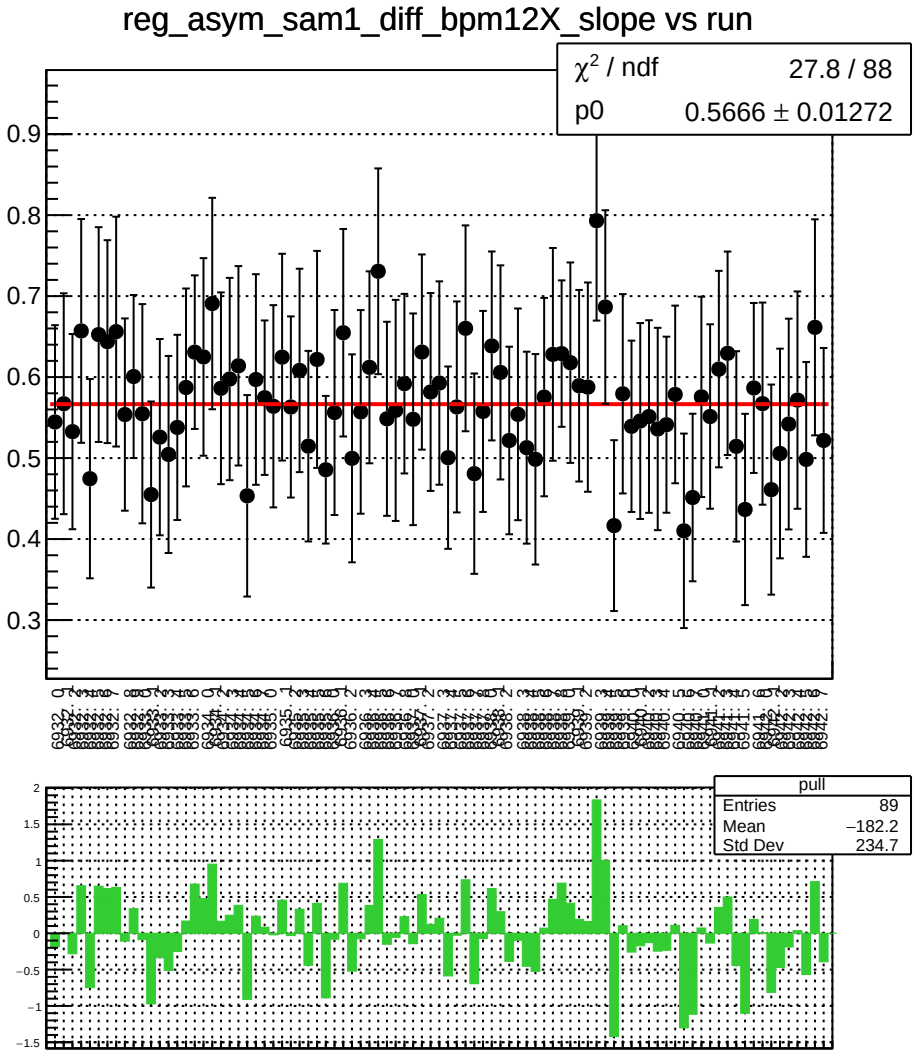

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 29.35 / 88
p0 −4.129 ± 0.3905
pull
Entries 89
Mean −18.37
Std Dev 77.26
pull1D
Entries 89
Mean −0.01286
Std Dev 0.5741

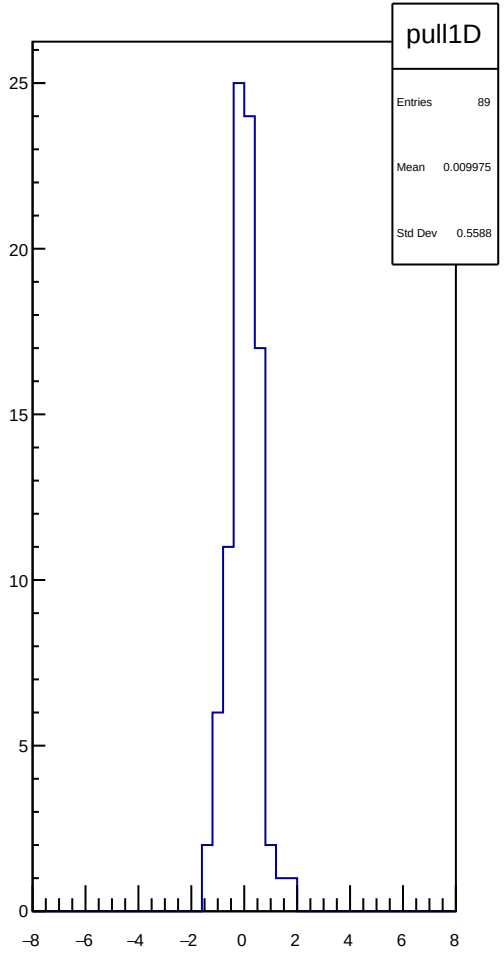

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 17.28 / 88
p0 −53.32 ± 0.2681
pull
Entries 89
Mean −114.8
Std Dev 363.9
pull1D
Entries 89
Mean 0.000434
Std Dev 0.4407

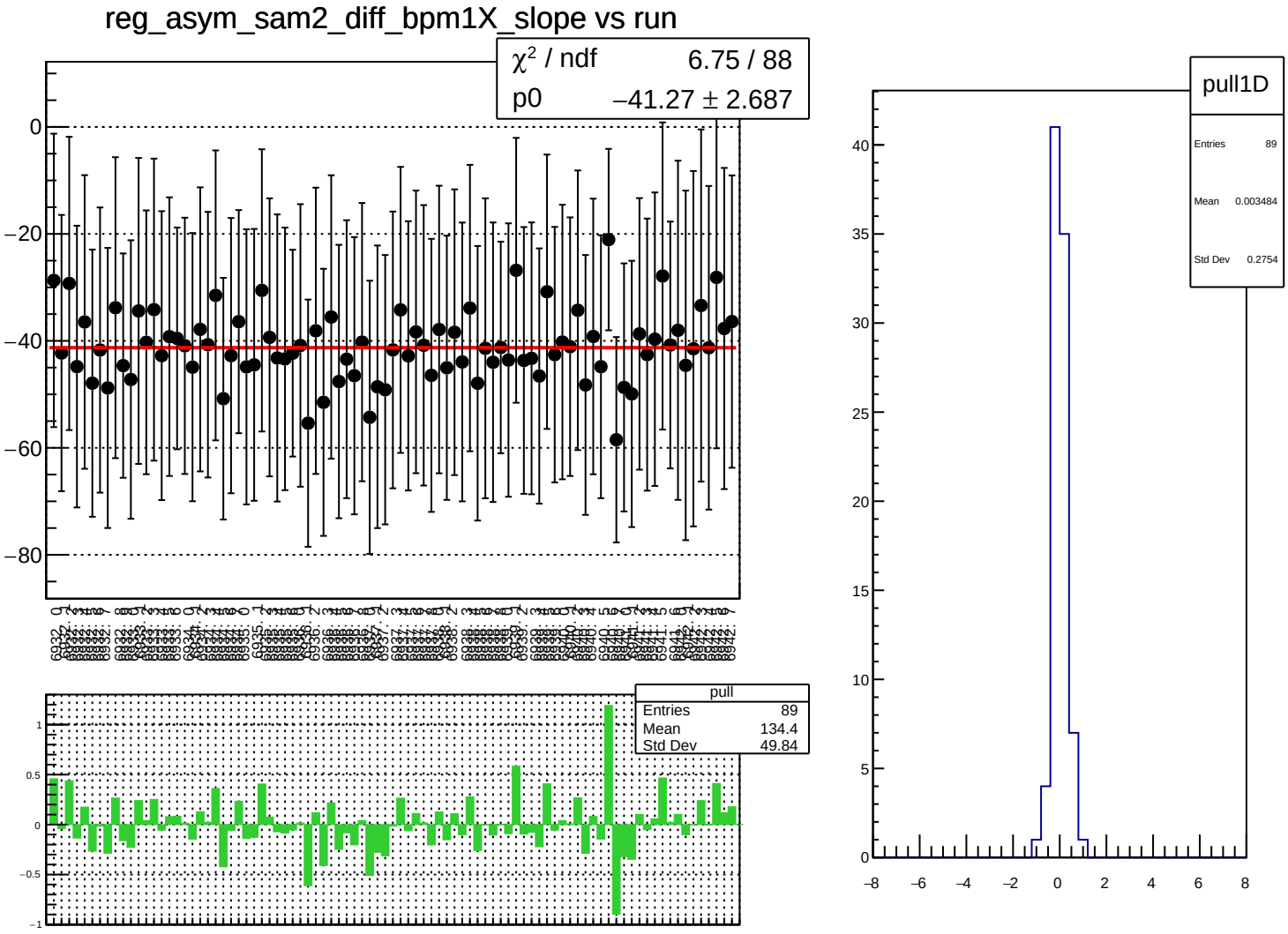

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 29.36 / 88
p0 −9.936 ± 0.363
pull
Entries 89
Mean −4.765
Std Dev 68.6

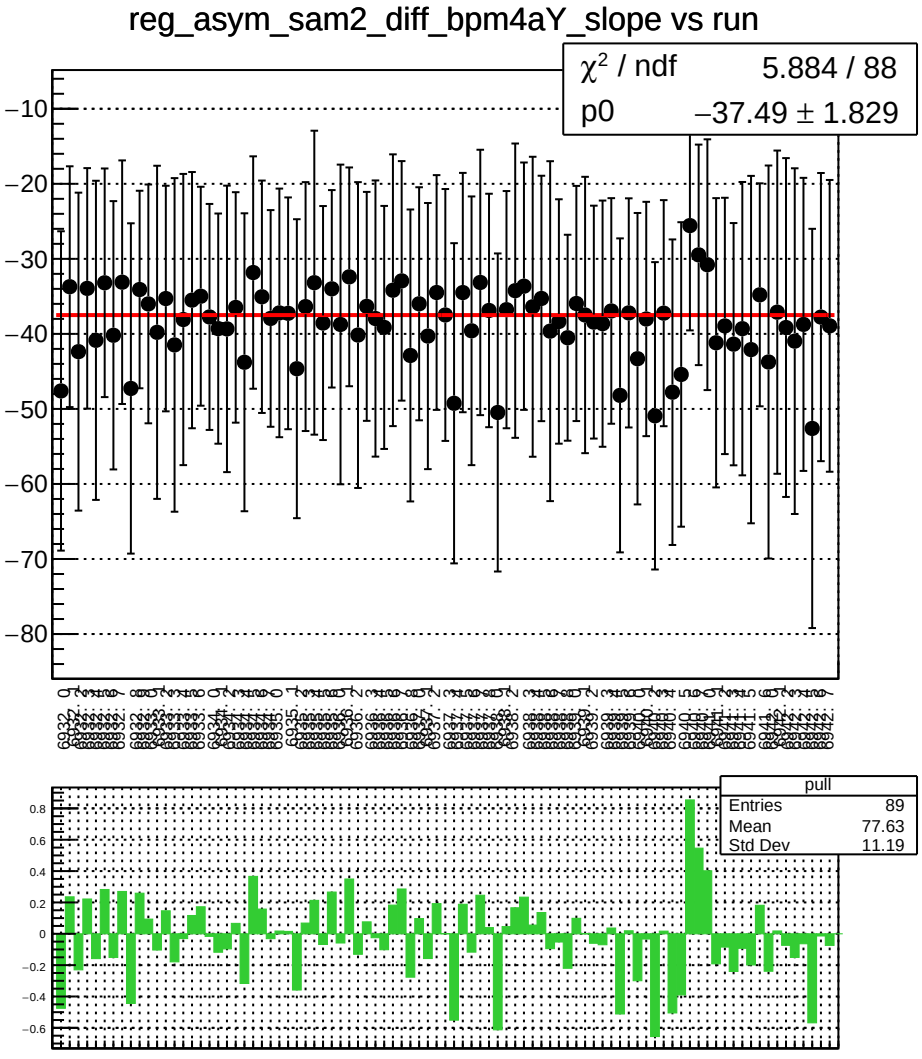

pull1D
Entries 89
Mean 0.0128
Std Dev 0.5742

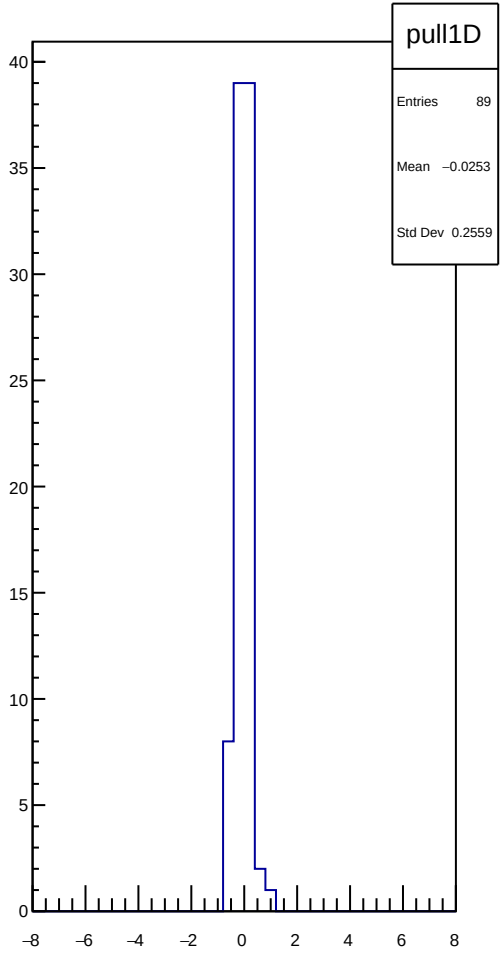

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 16.38 / 88
p0 13.67 ± 0.3095
pull
Entries 89
Mean −536.1
Std Dev 608.2
pull1D
Entries 89
Mean −0.0005277
Std Dev 0.429

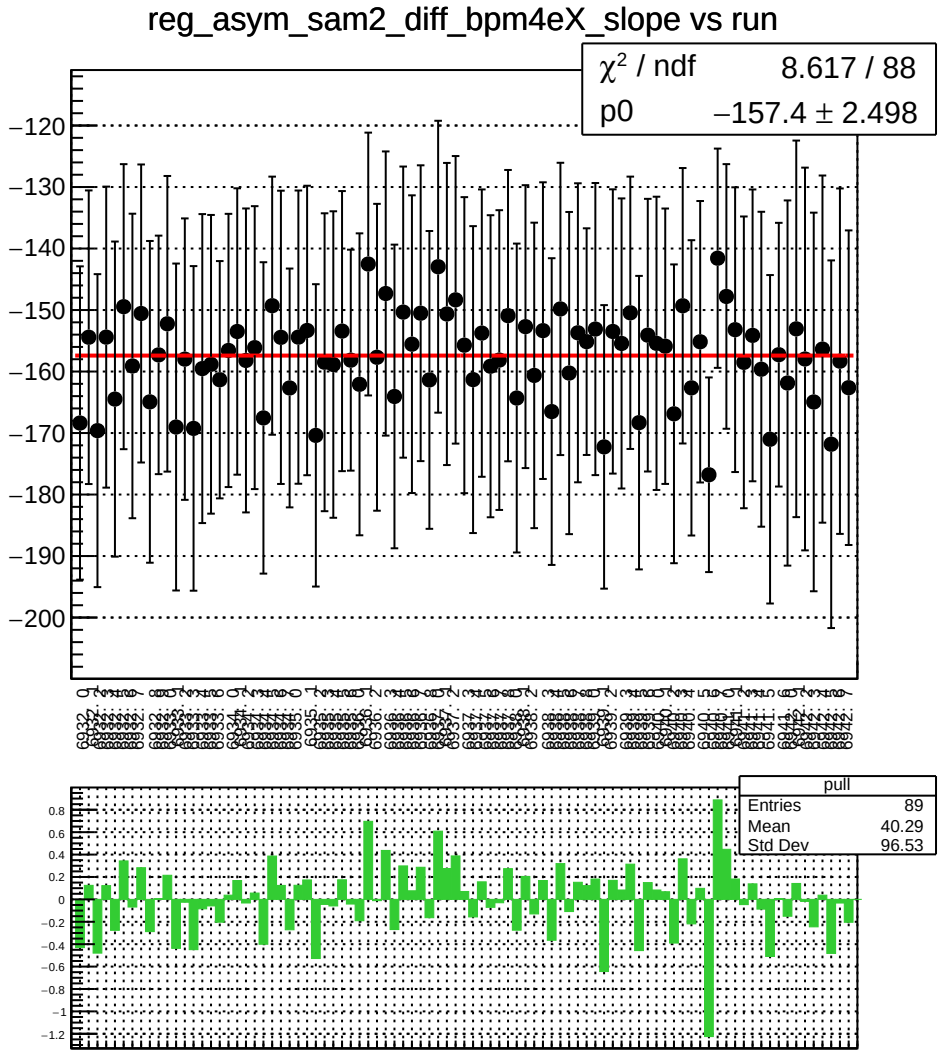

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 27.8 / 88
p0 0.5666 ± 0.01272
pull
Entries 89
Mean −182.2
Std Dev 234.7

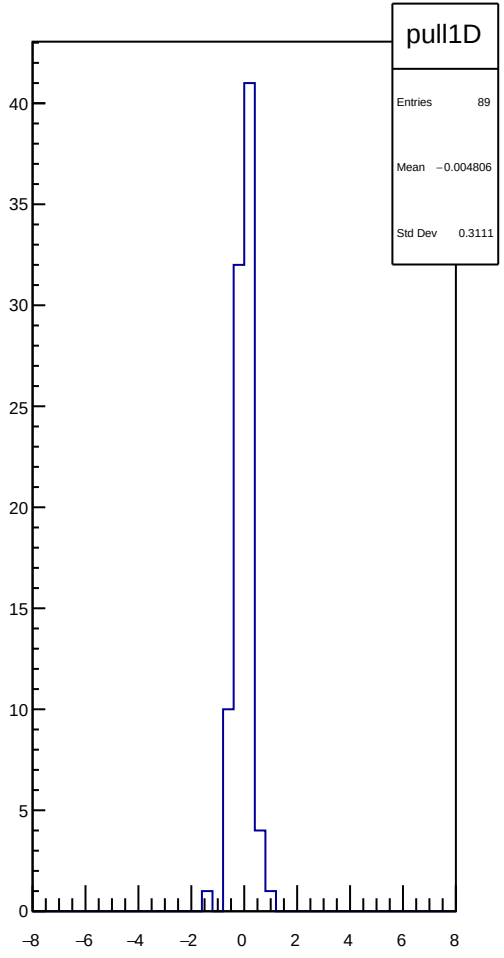

pull1D
Entries 89
Mean 0.009975
Std Dev 0.5588

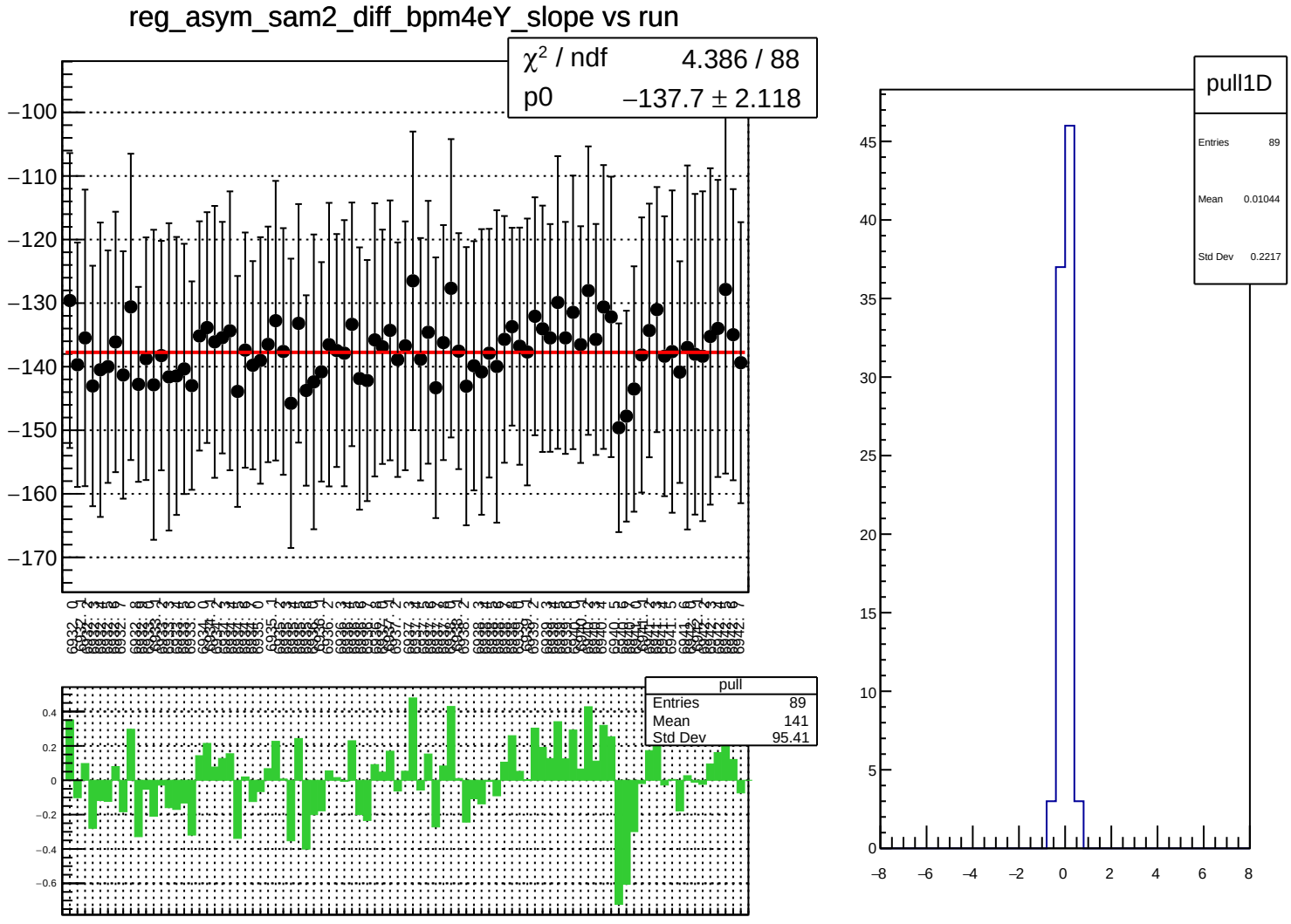

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 6.75 / 88
p0 −41.27 ± 2.687
pull
Entries 89
Mean 134.4
Std Dev 49.84
pull1D
Entries 89
Mean 0.003484
Std Dev 0.2754

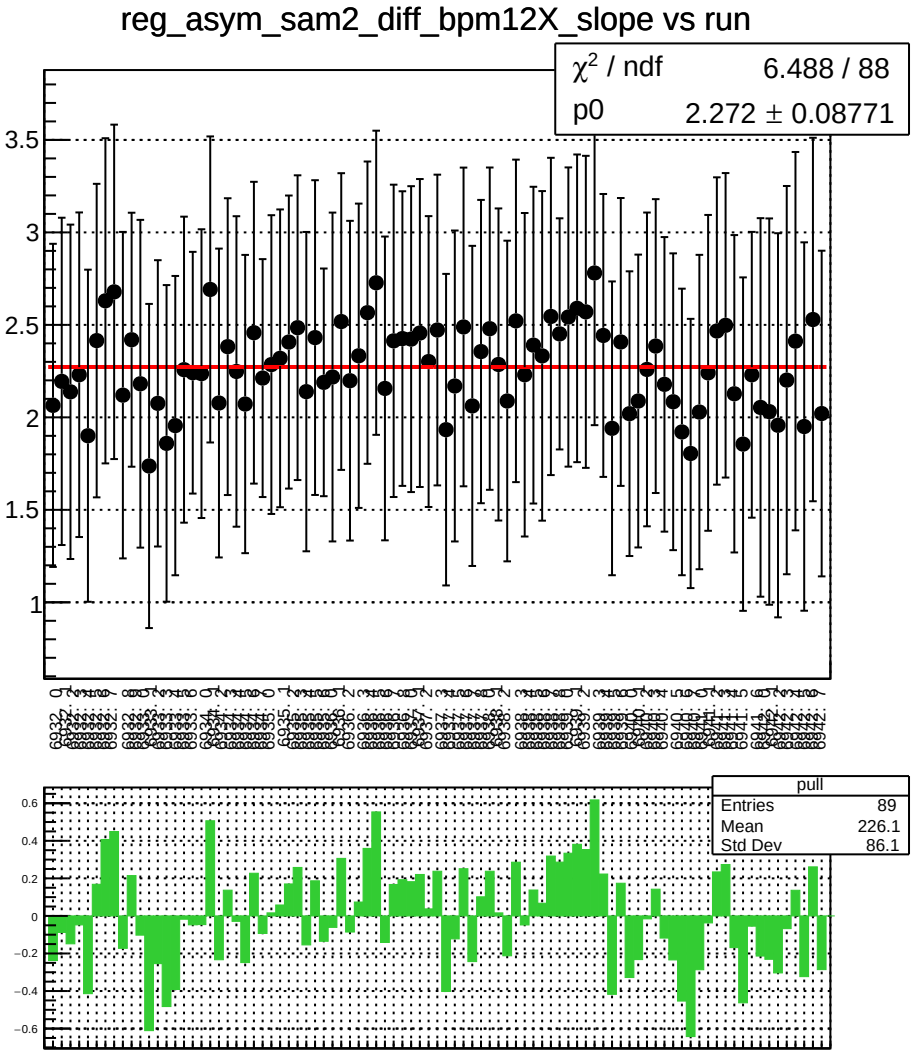

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.884 / 88
p0 −37.49 ± 1.829
pull
Entries 89
Mean 77.63
Std Dev 11.19

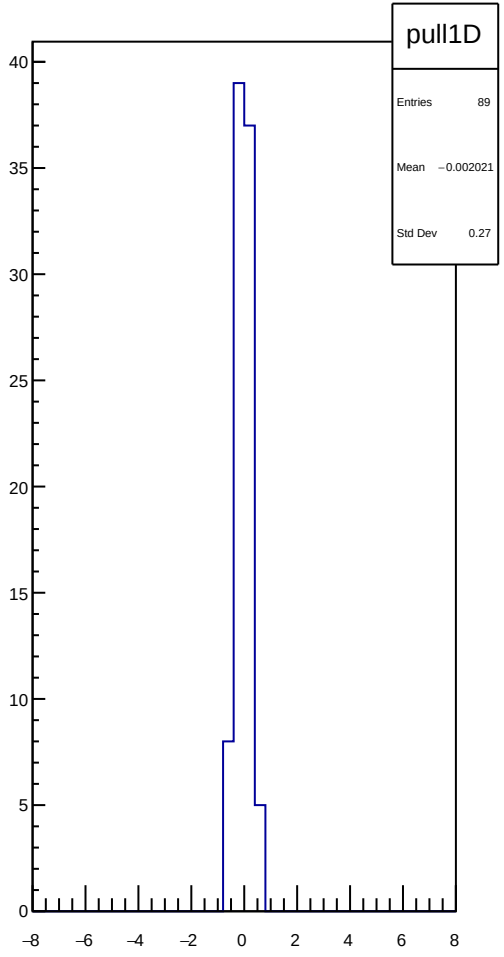

pull1D
Entries 89
Mean −0.0253
Std Dev 0.2559

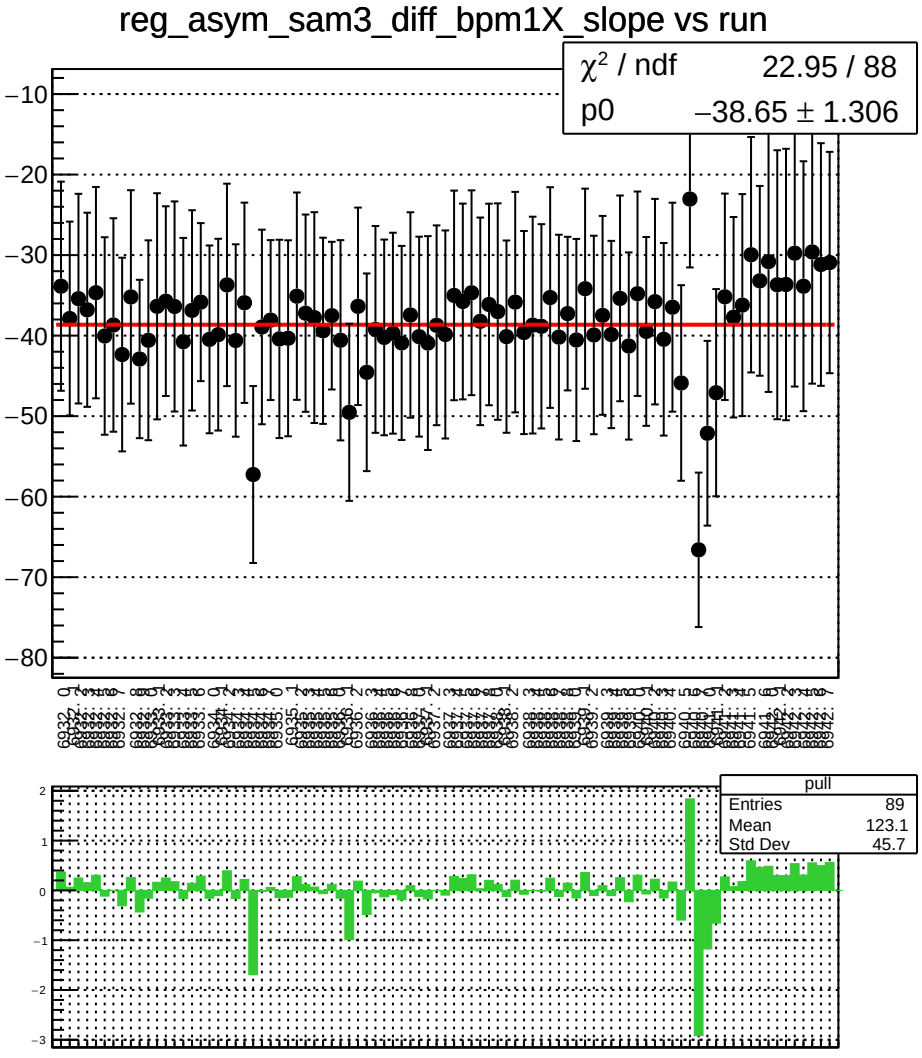

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.617 / 88
p0 −157.4 ± 2.498
pull
Entries 89
Mean 40.29
Std Dev 96.53

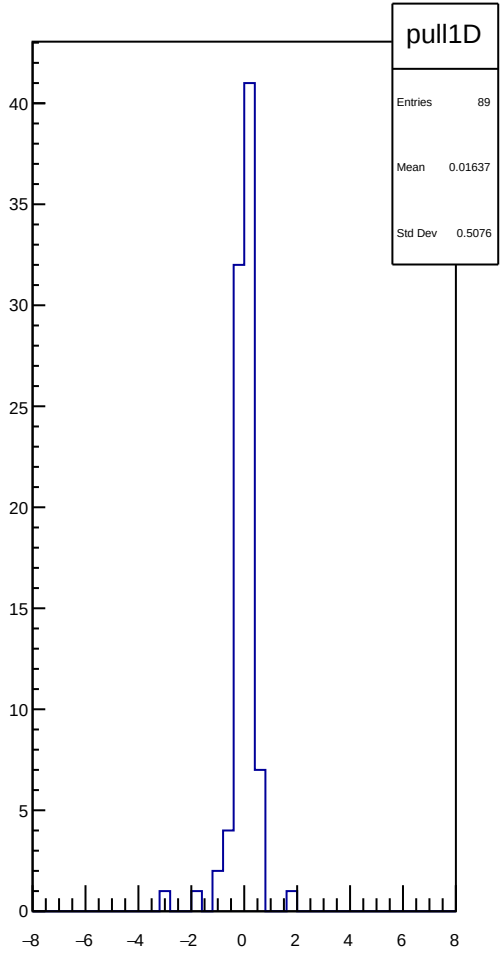

pull1D
Entries 89
Mean −0.004806
Std Dev 0.3111

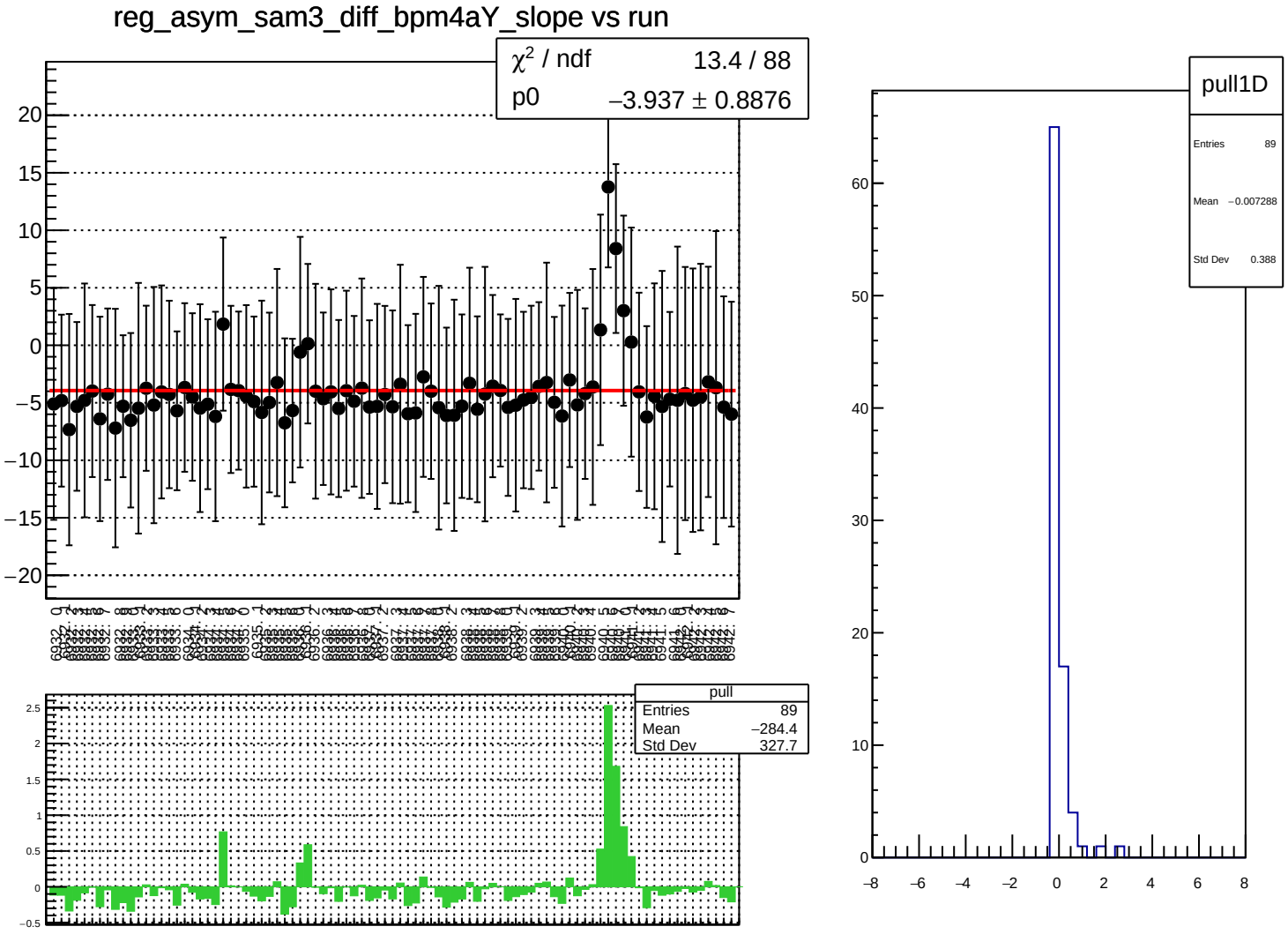

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.386 / 88
p0 −137.7 ± 2.118
pull
Entries 89
Mean 141
Std Dev 95.41
pull1D
Entries 89
Mean 0.01044
Std Dev 0.2217

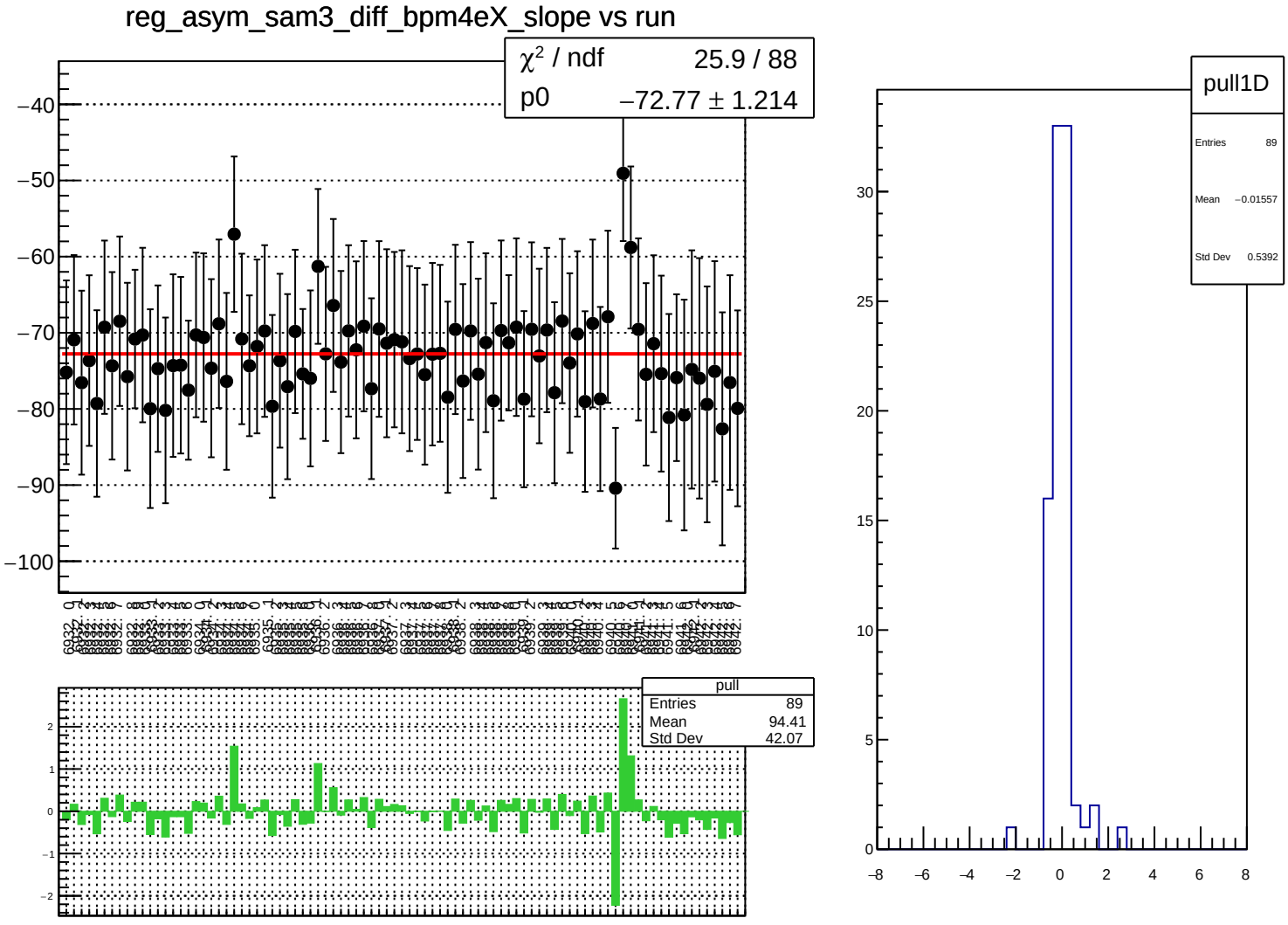

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 6.488 / 88
p0 2.272 ± 0.08771
pull
Entries 89
Mean 226.1
Std Dev 86.1

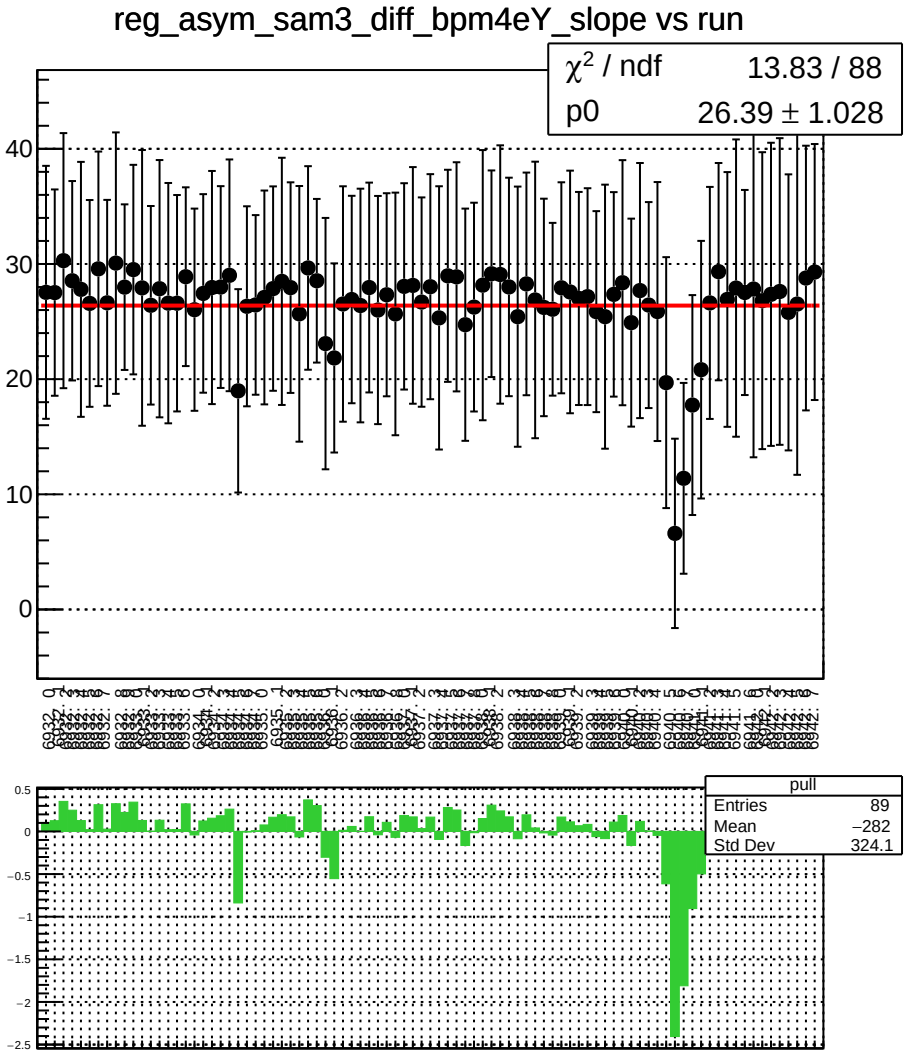

pull1D
Entries 89
Mean −0.002021
Std Dev 0.27

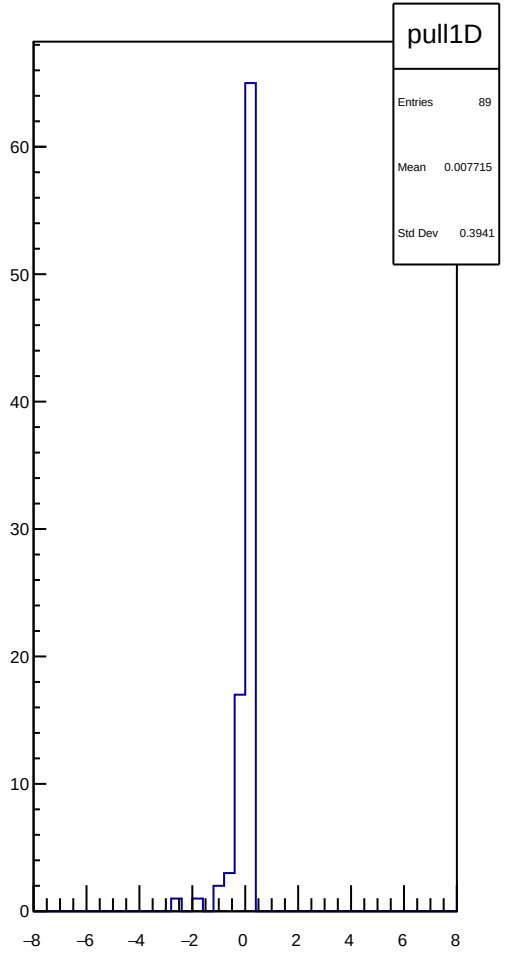

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 22.95 / 88
p0 −38.65 ± 1.306
pull
Entries 89
Mean 123.1
Std Dev 45.7

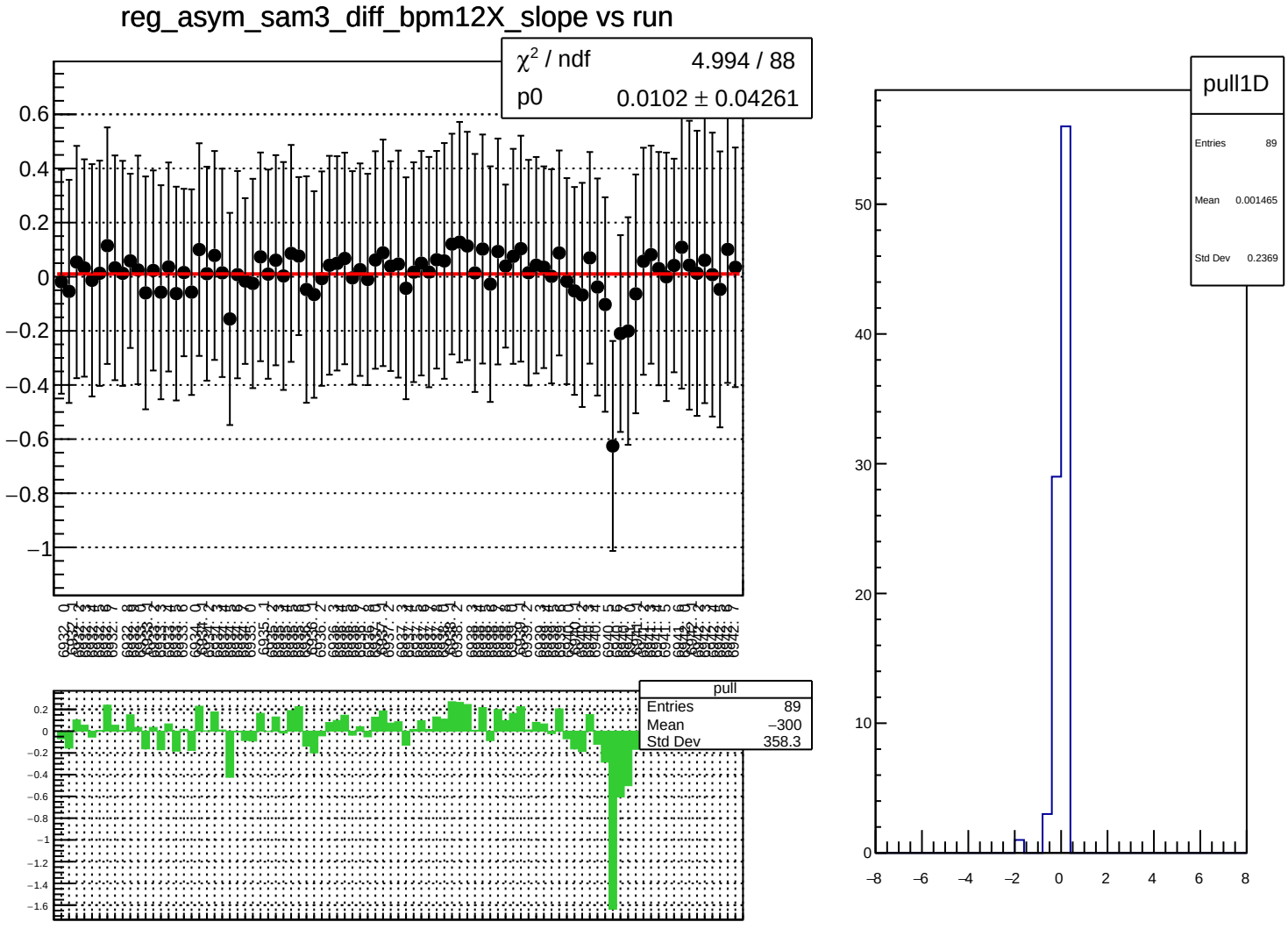

pull1D
Entries 89
Mean 0.01637
Std Dev 0.5076

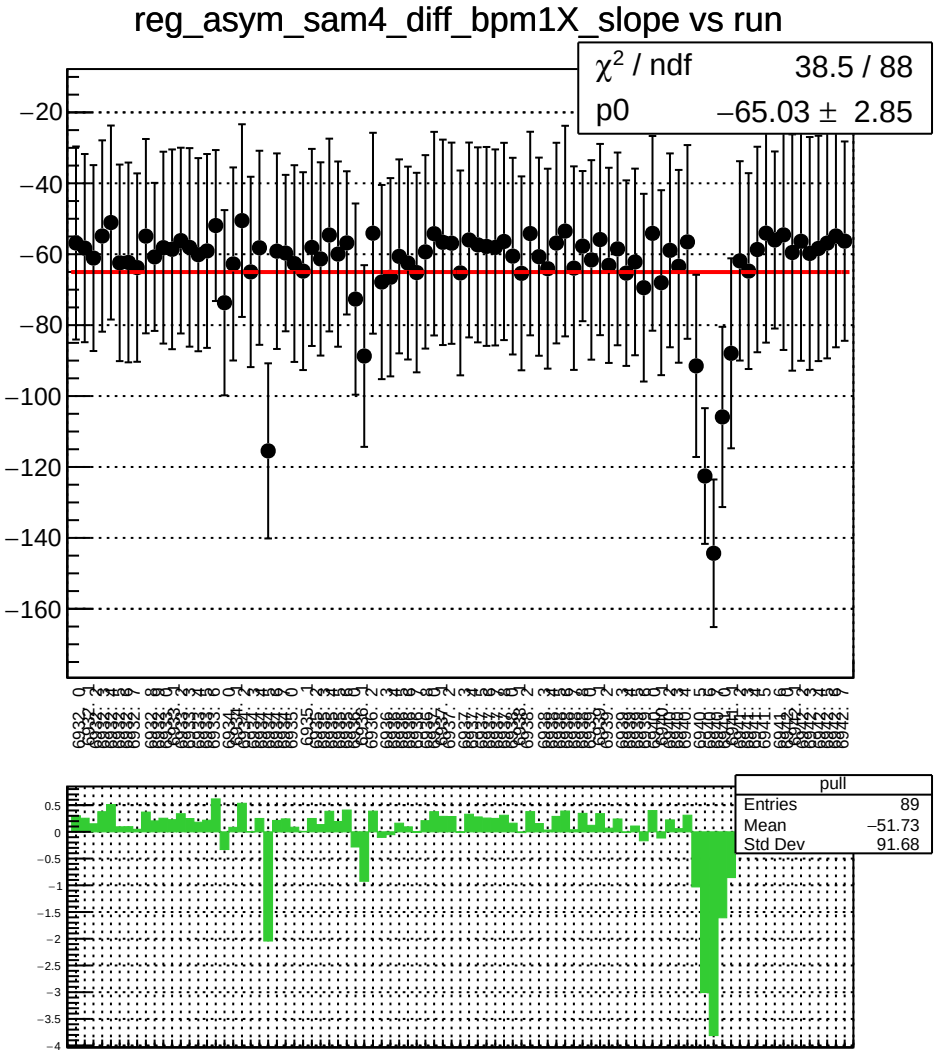

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 13.4 / 88
p0 −3.937 ± 0.8876
pull
Entries 89
Mean −284.4
Std Dev 327.7
pull1D
Entries 89
Mean −0.007288
Std Dev 0.388

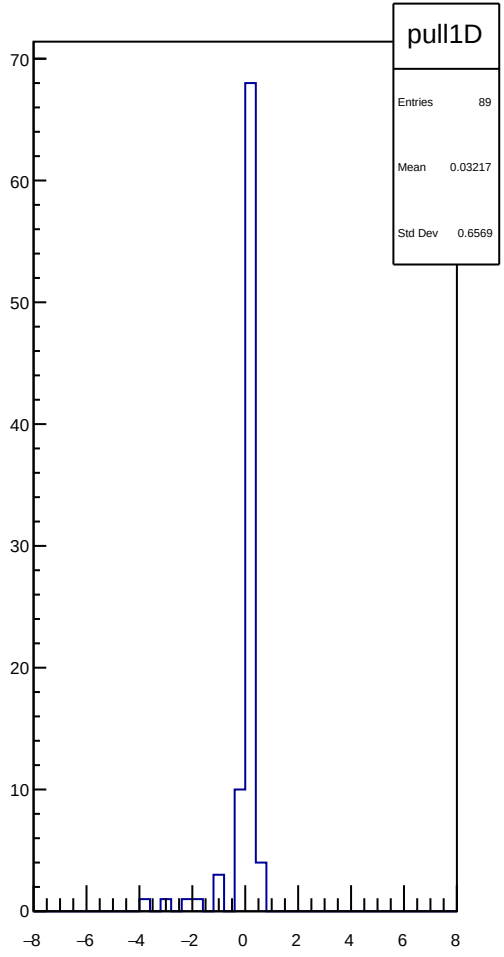

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 25.9 / 88
p0 −72.77 ± 1.214
pull
Entries 89
Mean 94.41
Std Dev 42.07
pull1D
Entries 89
Mean −0.01557
Std Dev 0.5392

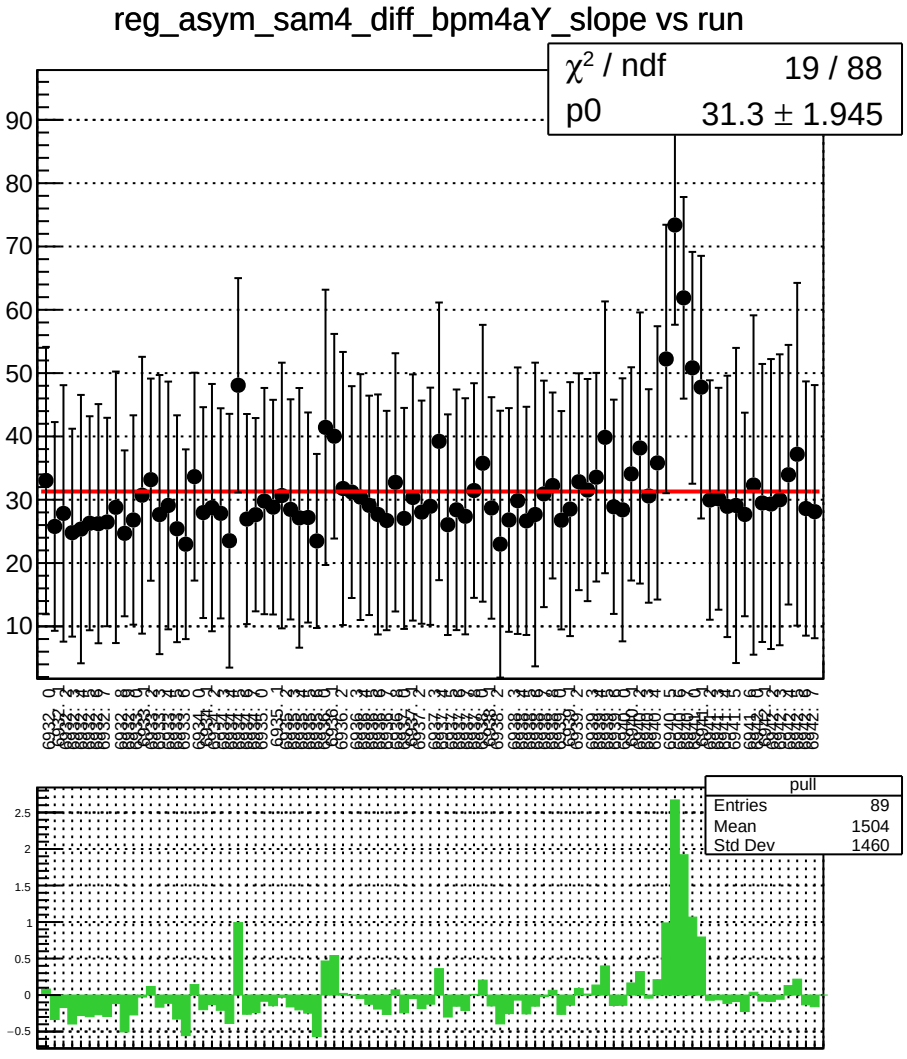

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 13.83 / 88
p0 26.39 ± 1.028
pull
Entries 89
Mean −282
Std Dev 324.1

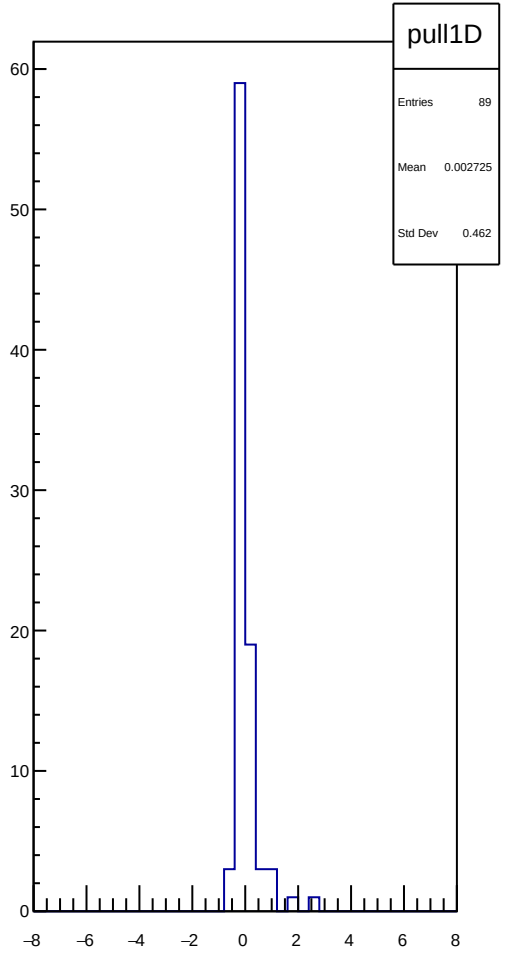

pull1D
Entries 89
Mean 0.007715
Std Dev 0.3941

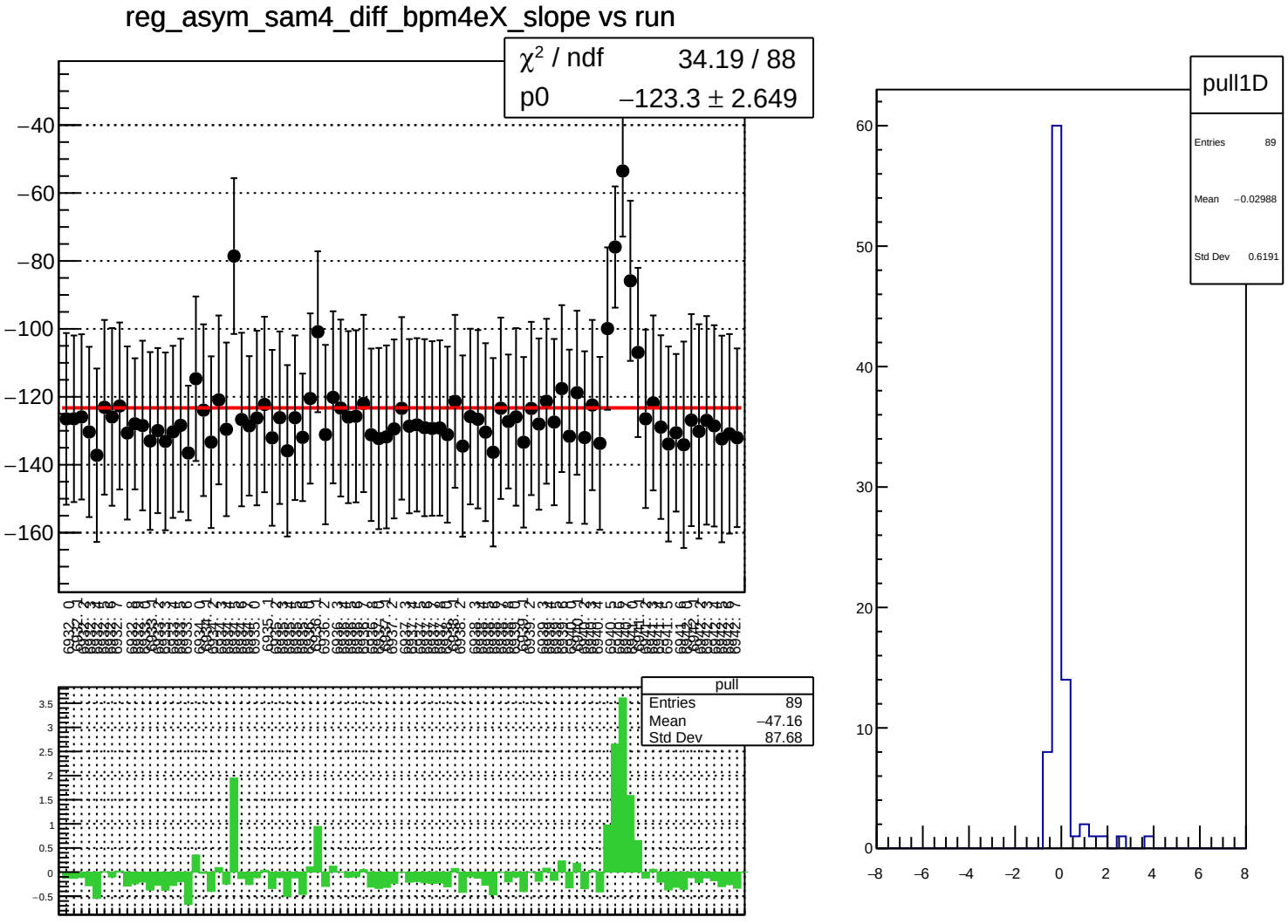

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 4.994 / 88
p0 0.0102 ± 0.04261
pull
Entries 89
Mean −300
Std Dev 358.3
pull1D
Entries 89
Mean 0.001465
Std Dev 0.2369

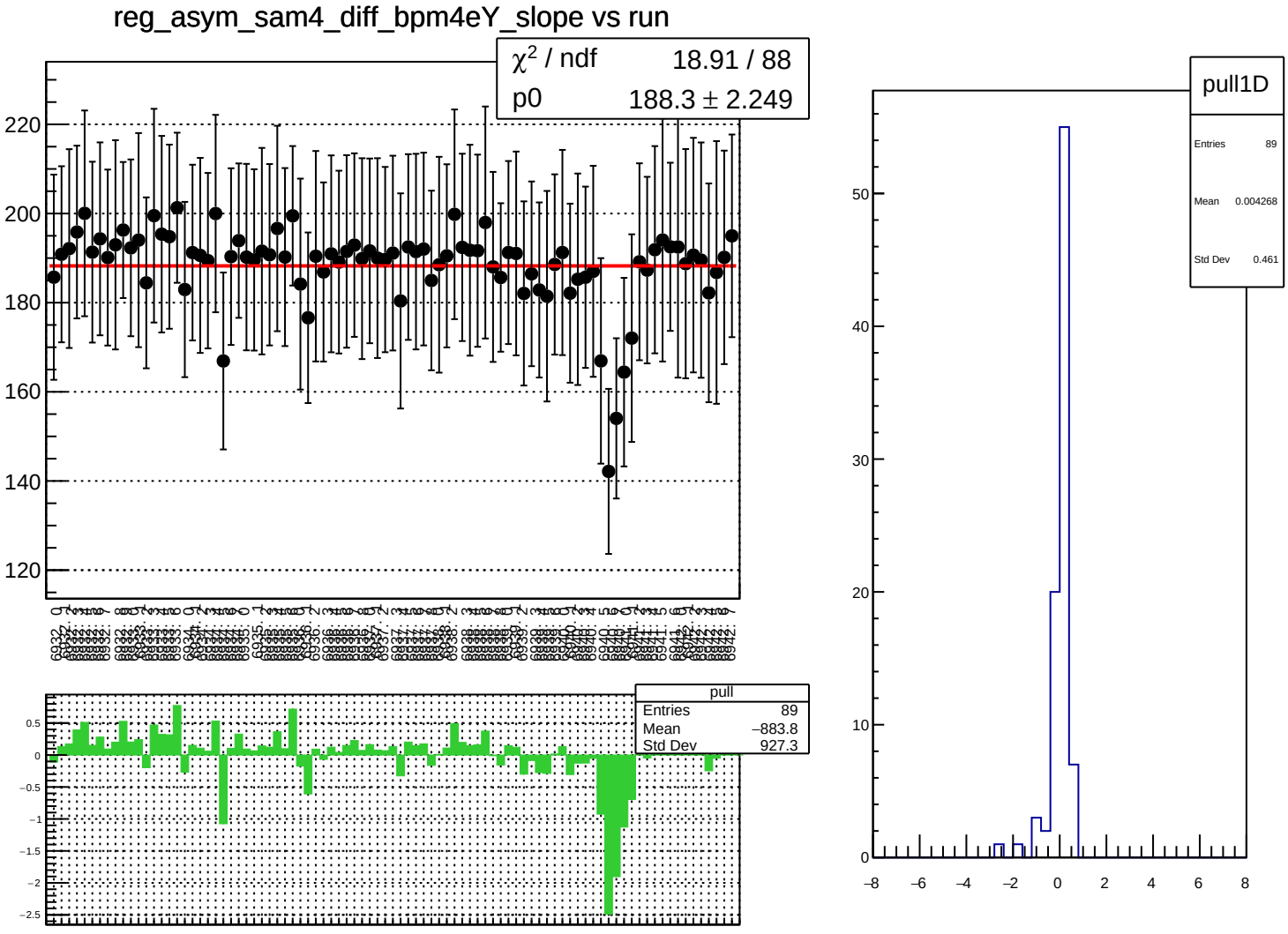

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 38.5 / 88
p0 −65.03 ± 2.85
pull
Entries 89
Mean −51.73
Std Dev 91.68

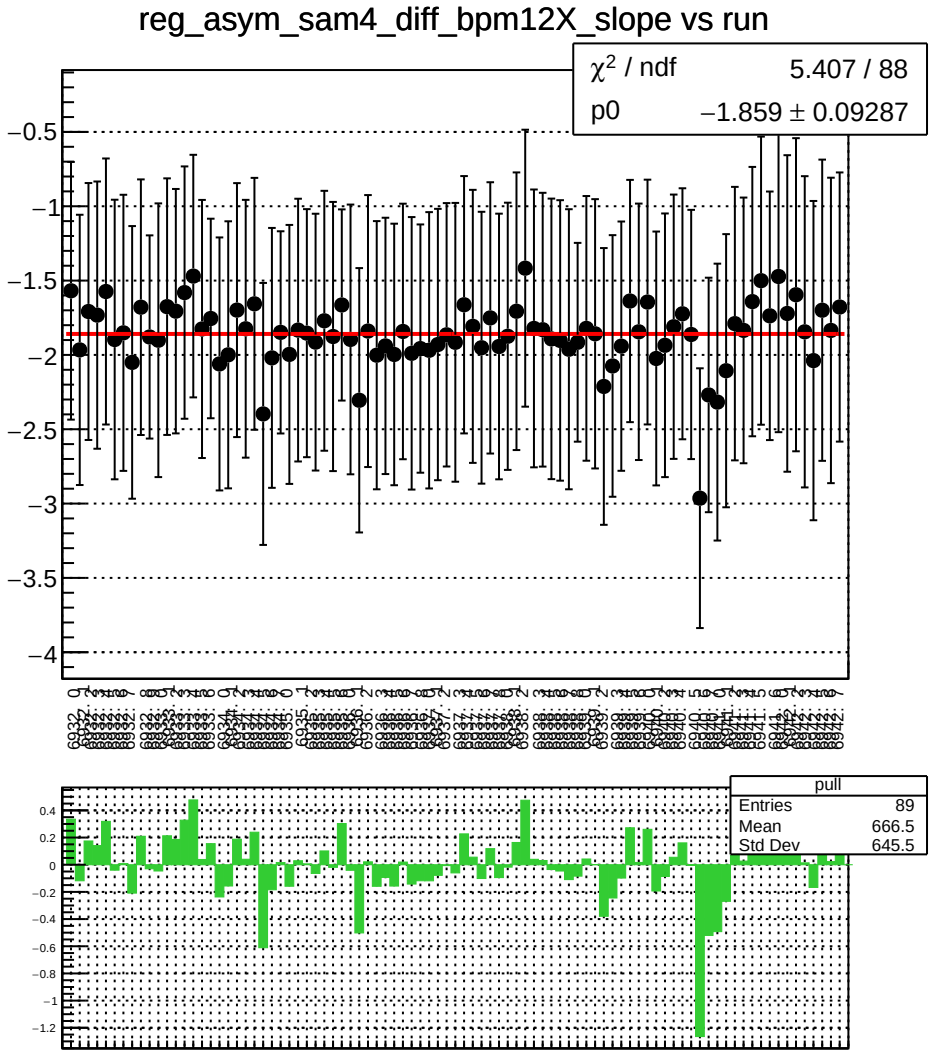

pull1D
Entries 89
Mean 0.03217
Std Dev 0.6569

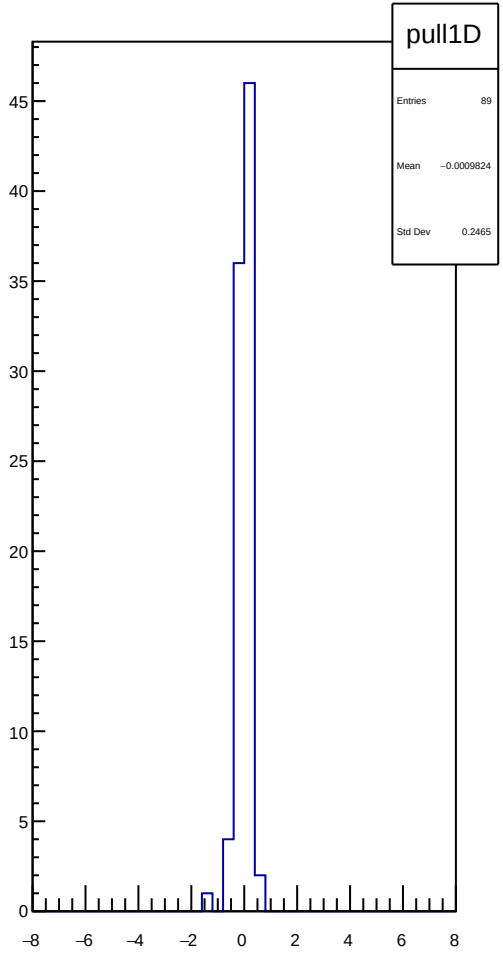

reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 19 / 88
p0 31.3 ± 1.945
pull
Entries 89
Mean 1504
Std Dev 1460

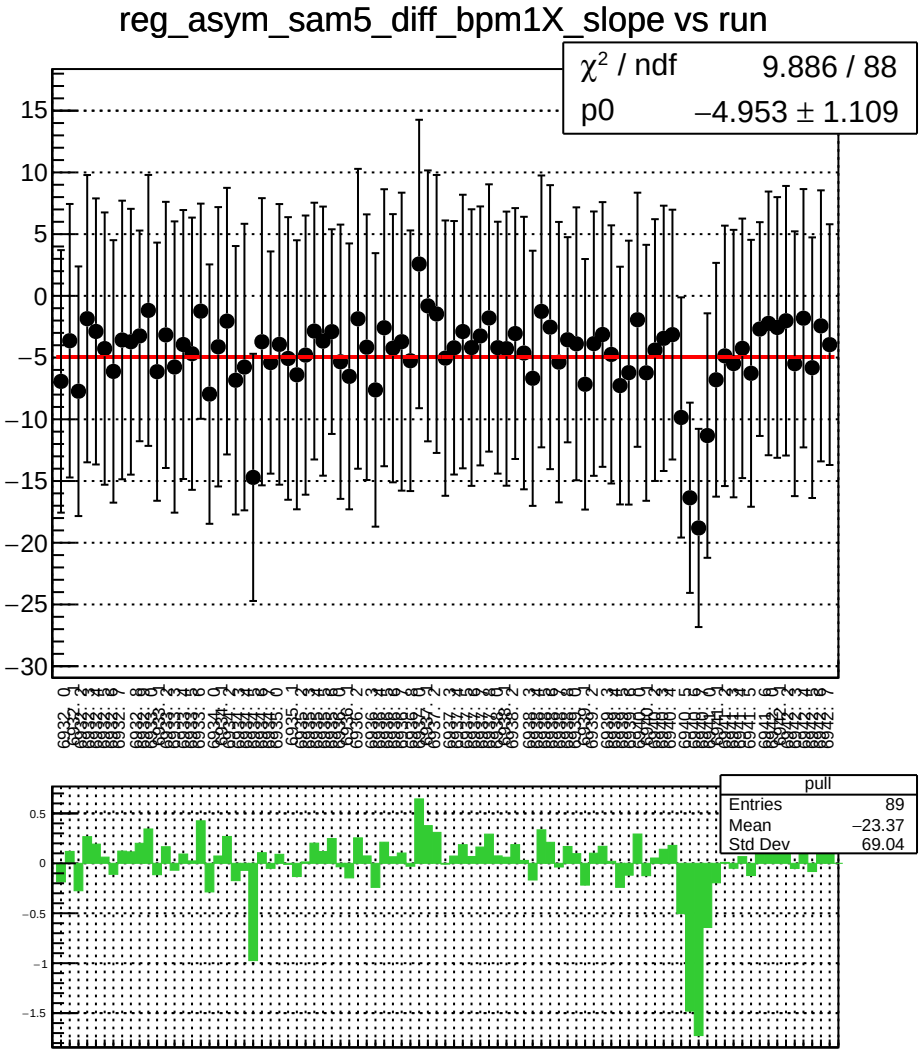

pull1D
Entries 89
Mean 0.002725
Std Dev 0.462

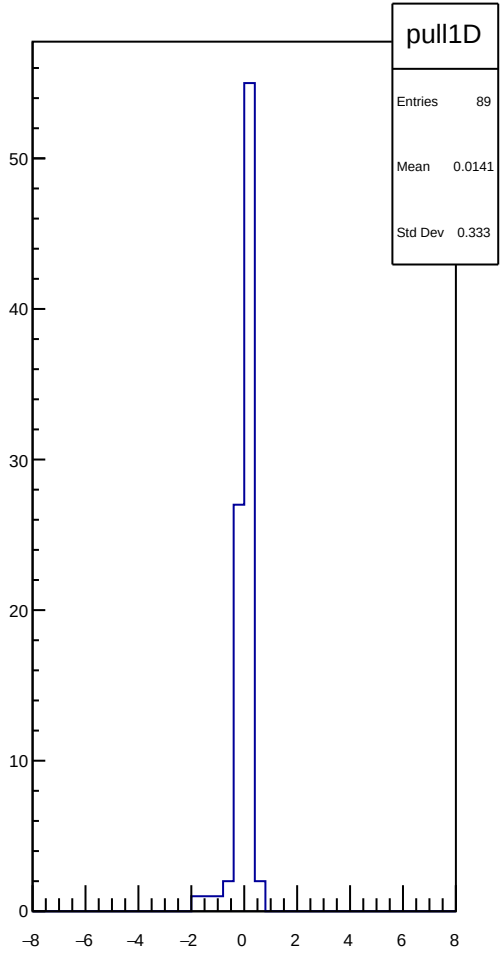

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 34.19 / 88
p0 −123.3 ± 2.649
pull
Entries 89
Mean −47.16
Std Dev 87.68
pull1D
Entries 89
Mean −0.02988
Std Dev 0.6191

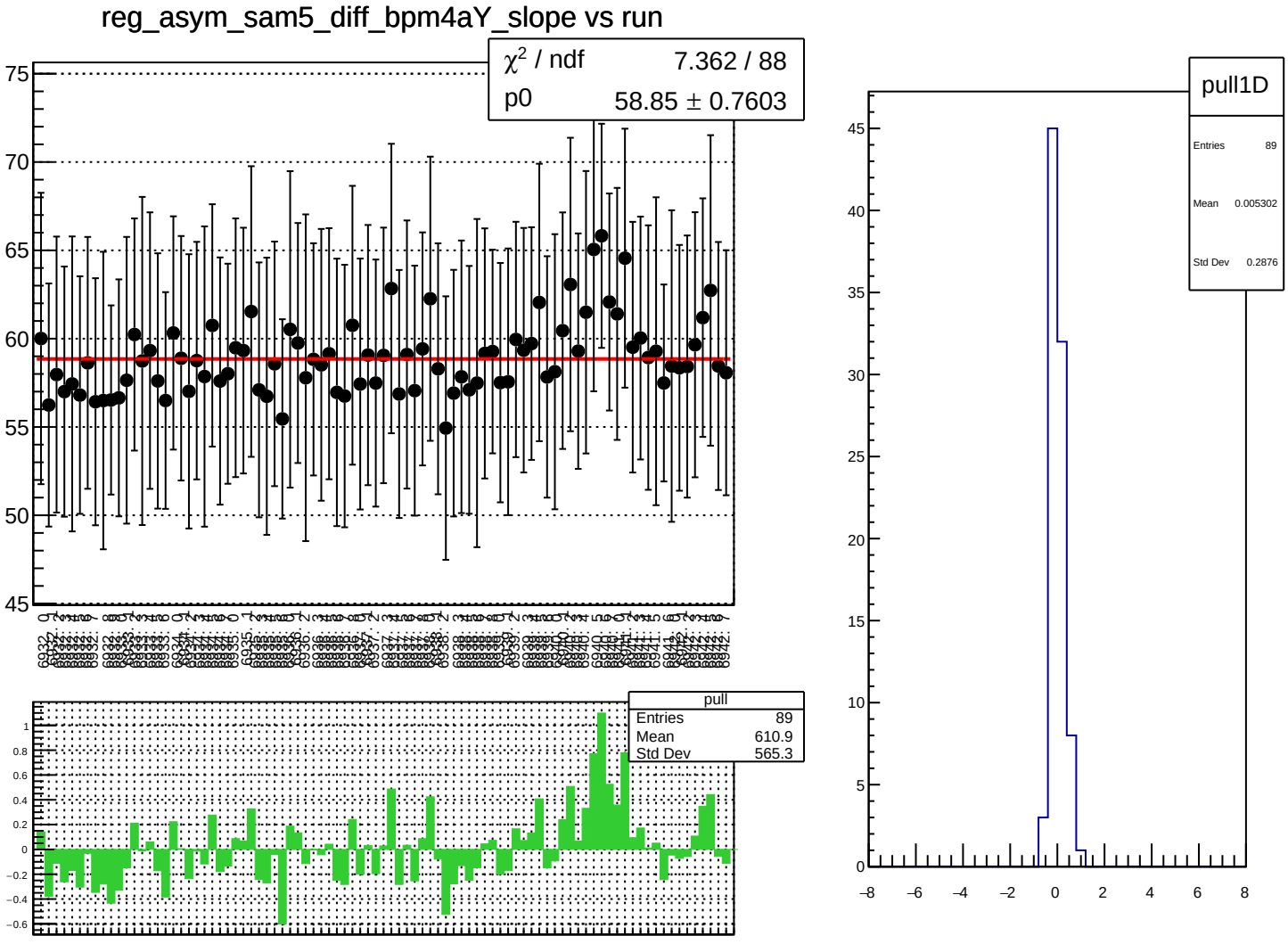

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 18.91 / 88
p0 188.3 ± 2.249
pull
Entries 89
Mean −883.8
Std Dev 927.3
pull1D
Entries 89
Mean 0.004268
Std Dev 0.461

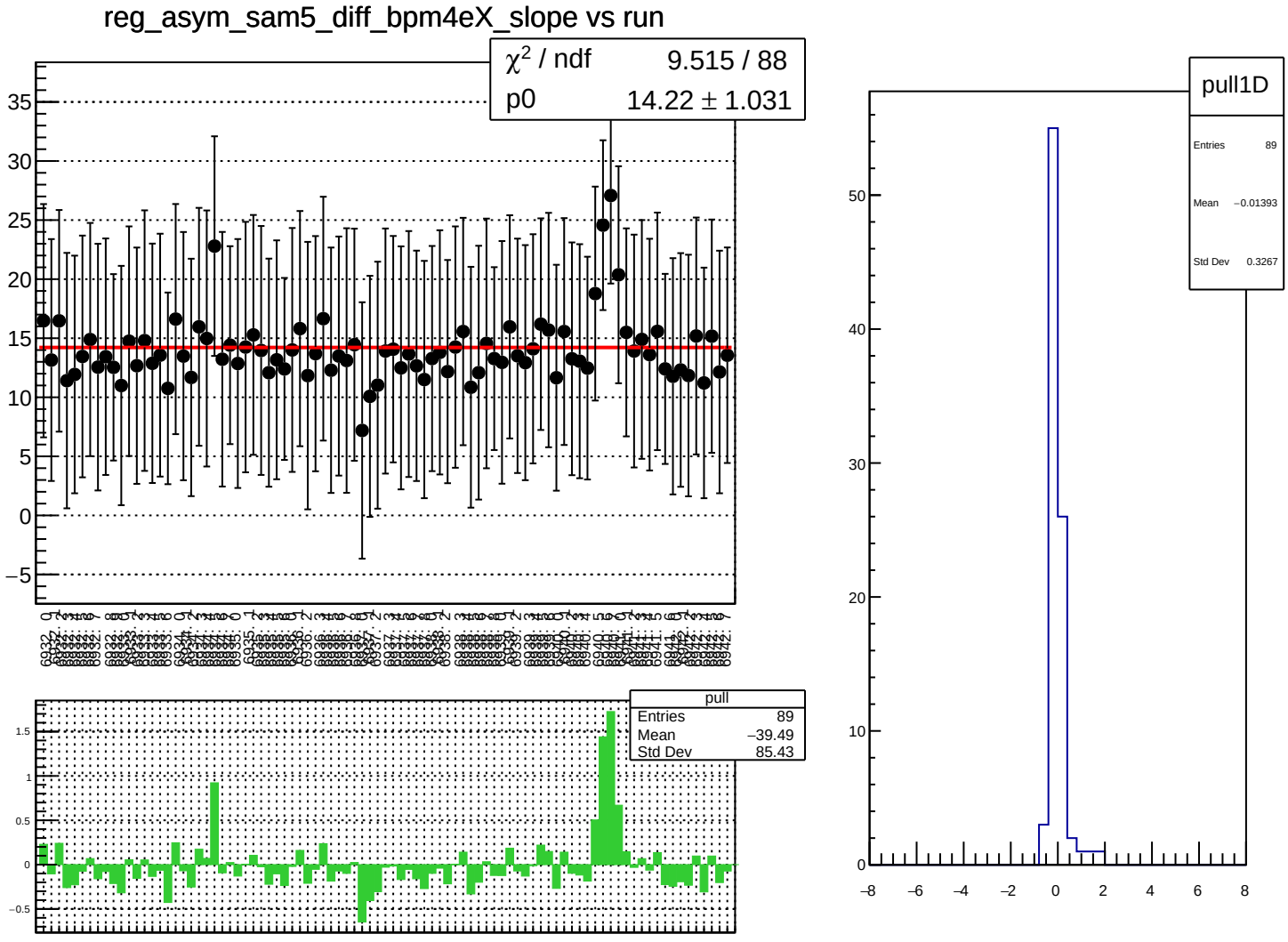

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 5.407 / 88
p0 −1.859 ± 0.09287
pull
Entries 89
Mean 666.5
Std Dev 645.5

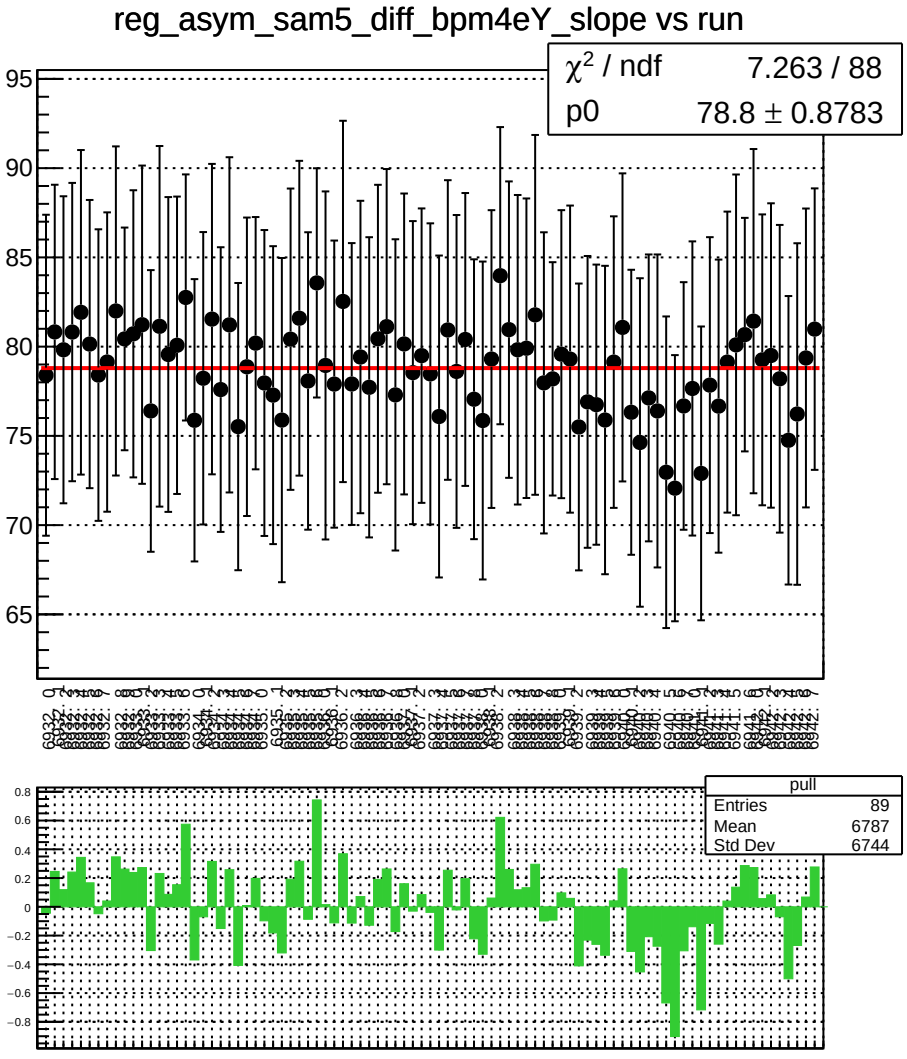

pull1D
Entries 89
Mean −0.0009824
Std Dev 0.2465

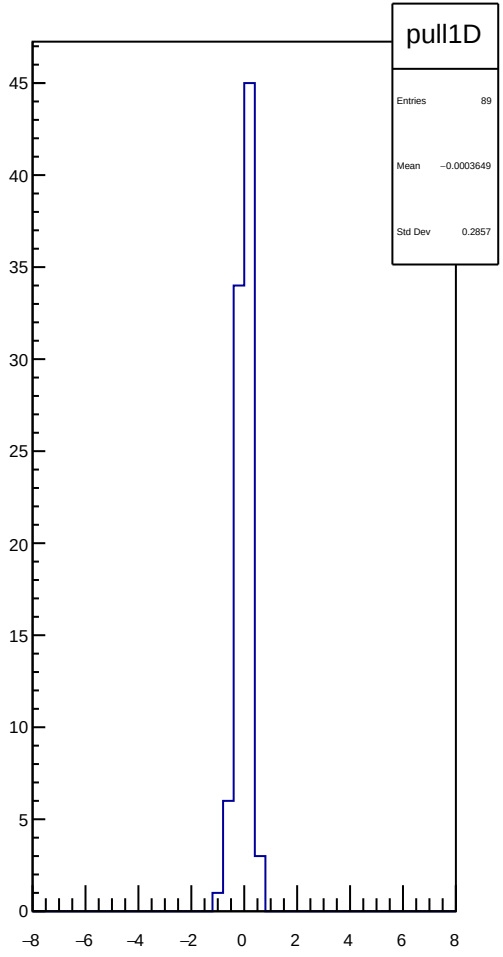

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 9.886 / 88
p0 −4.953 ± 1.109
pull
Entries 89
Mean −23.37
Std Dev 69.04

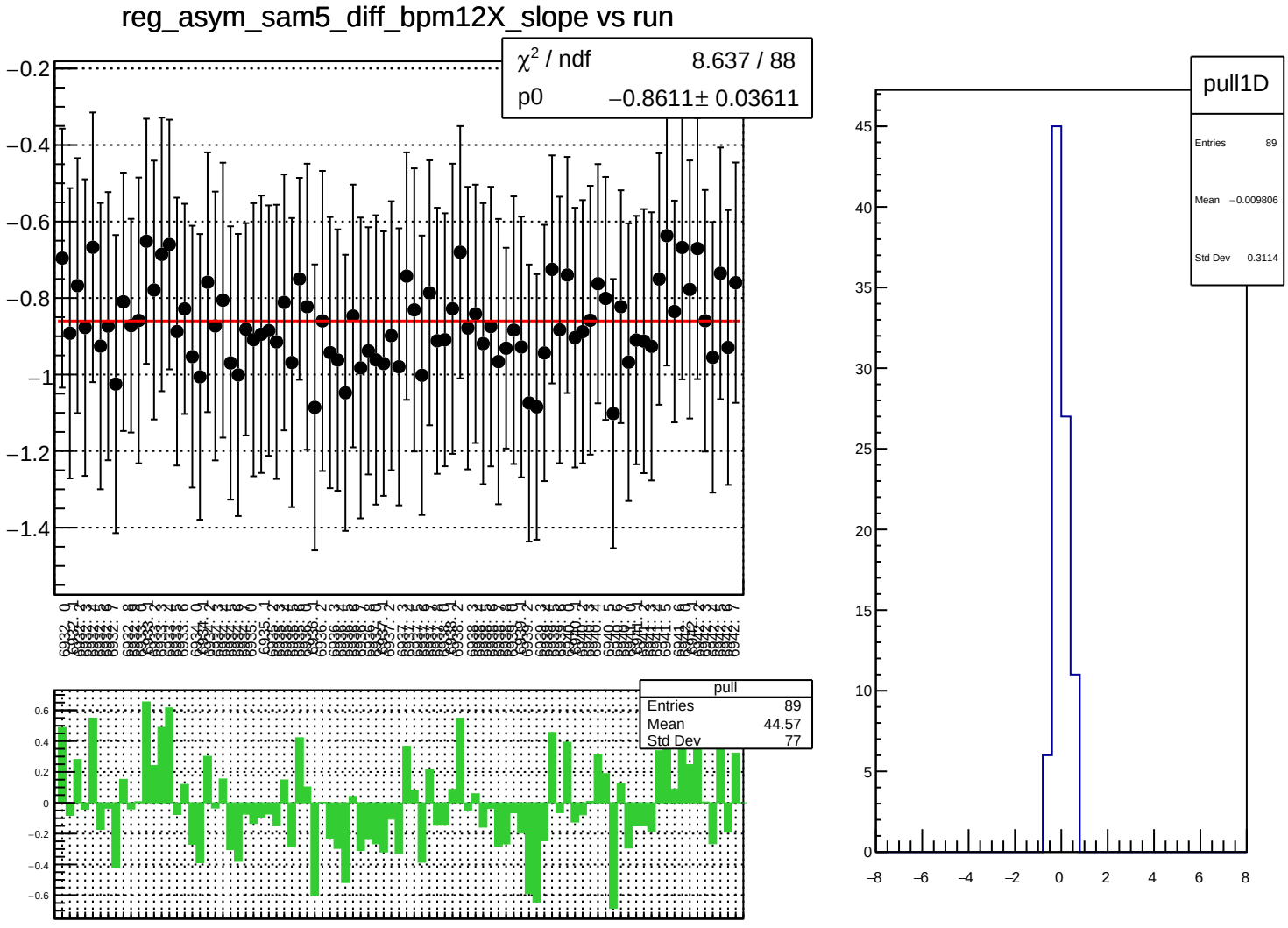

pull1D
Entries 89
Mean 0.0141
Std Dev 0.333

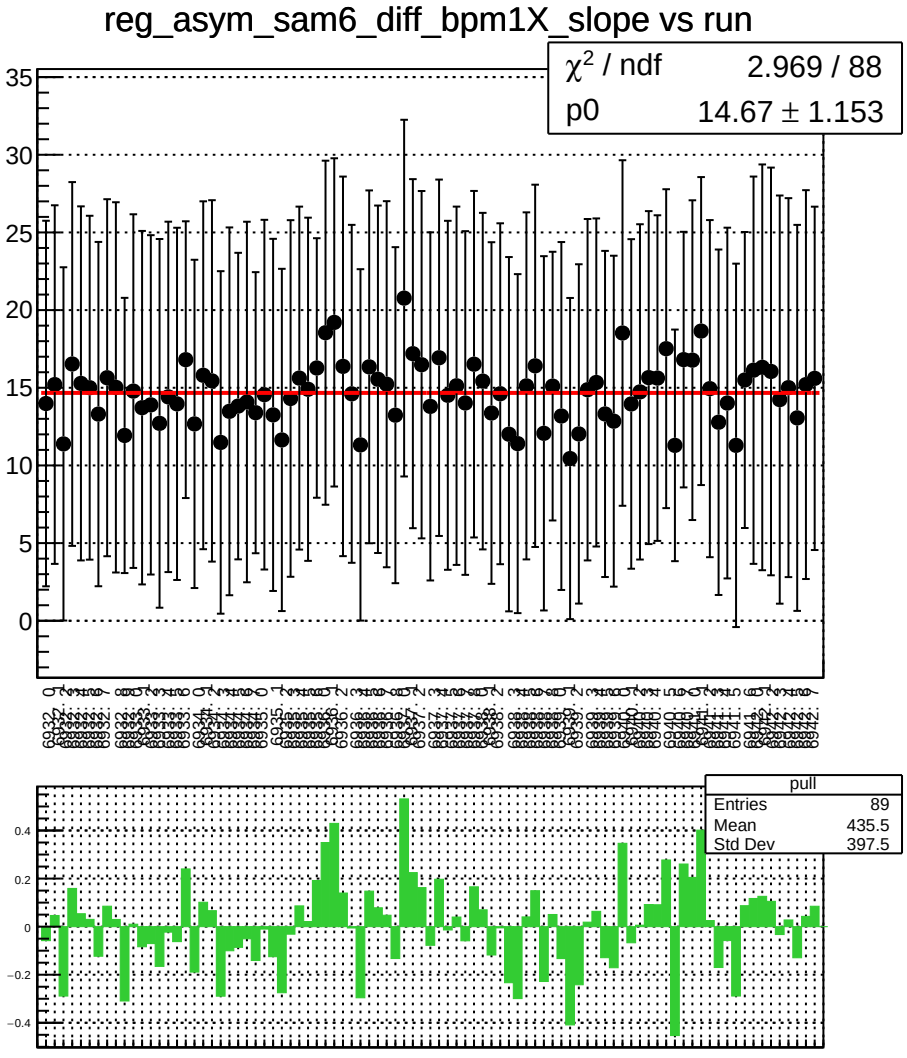

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 7.362 / 88
p0 58.85 ± 0.7603
pull
Entries 89
Mean 610.9
Std Dev 565.3
pull1D
Entries 89
Mean 0.005302
Std Dev 0.2876

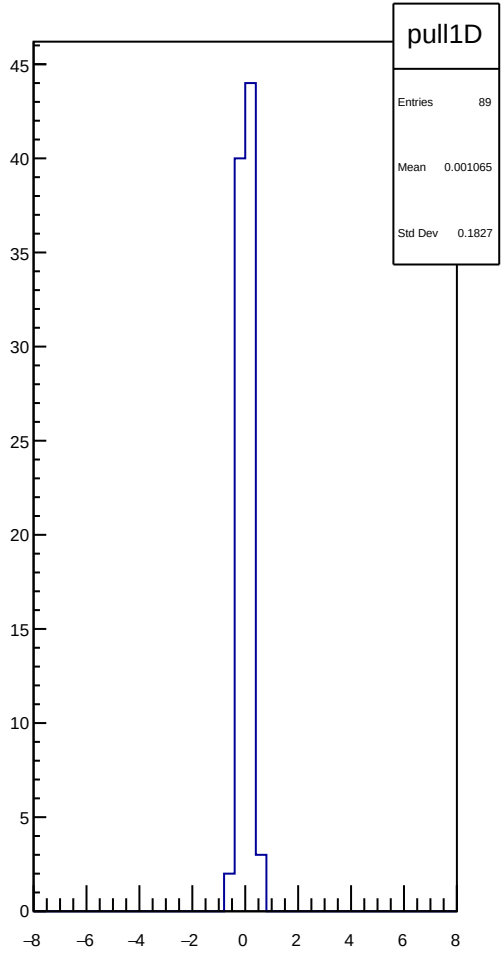

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 9.515 / 88
p0 14.22 ± 1.031
pull
Entries 89
Mean −39.49
Std Dev 85.43
pull1D
Entries 89
Mean −0.01393
Std Dev 0.3267

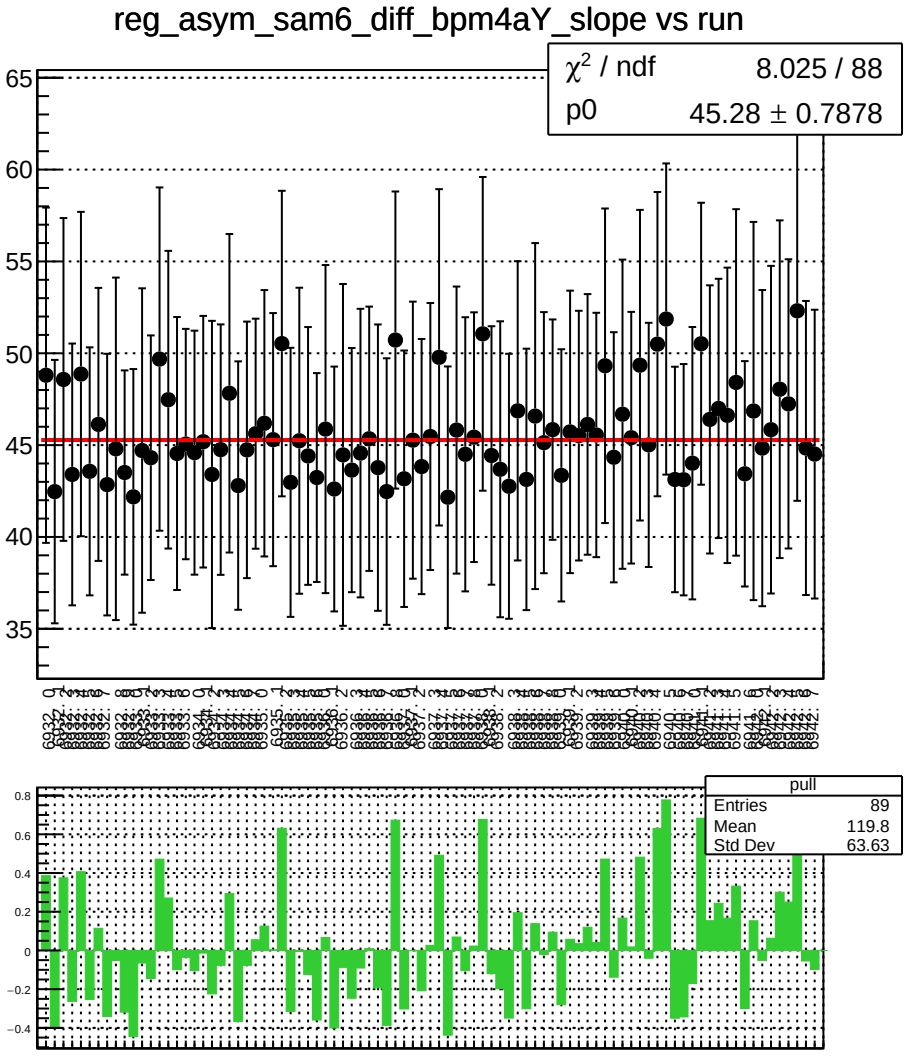

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 7.263 / 88
p0 78.8 ± 0.8783
pull
Entries 89
Mean 6787
Std Dev 6744

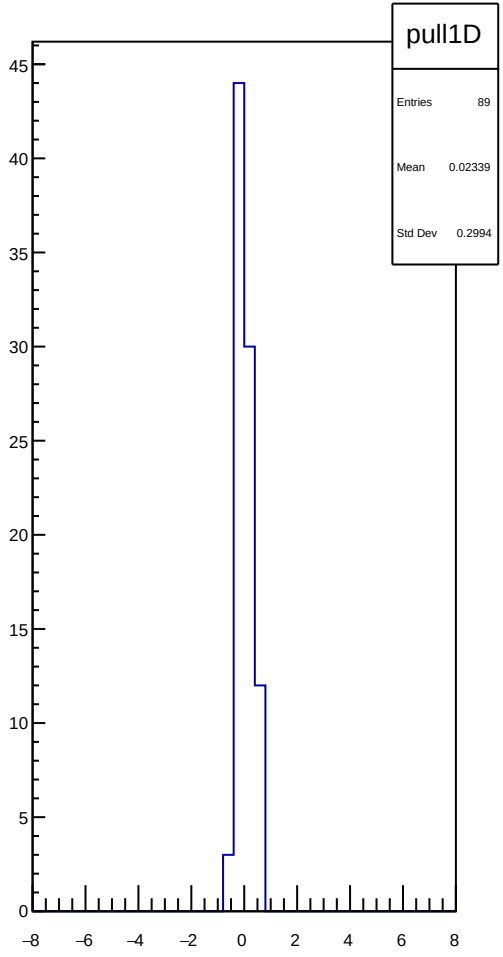

pull1D
Entries 89
Mean −0.0003649
Std Dev 0.2857

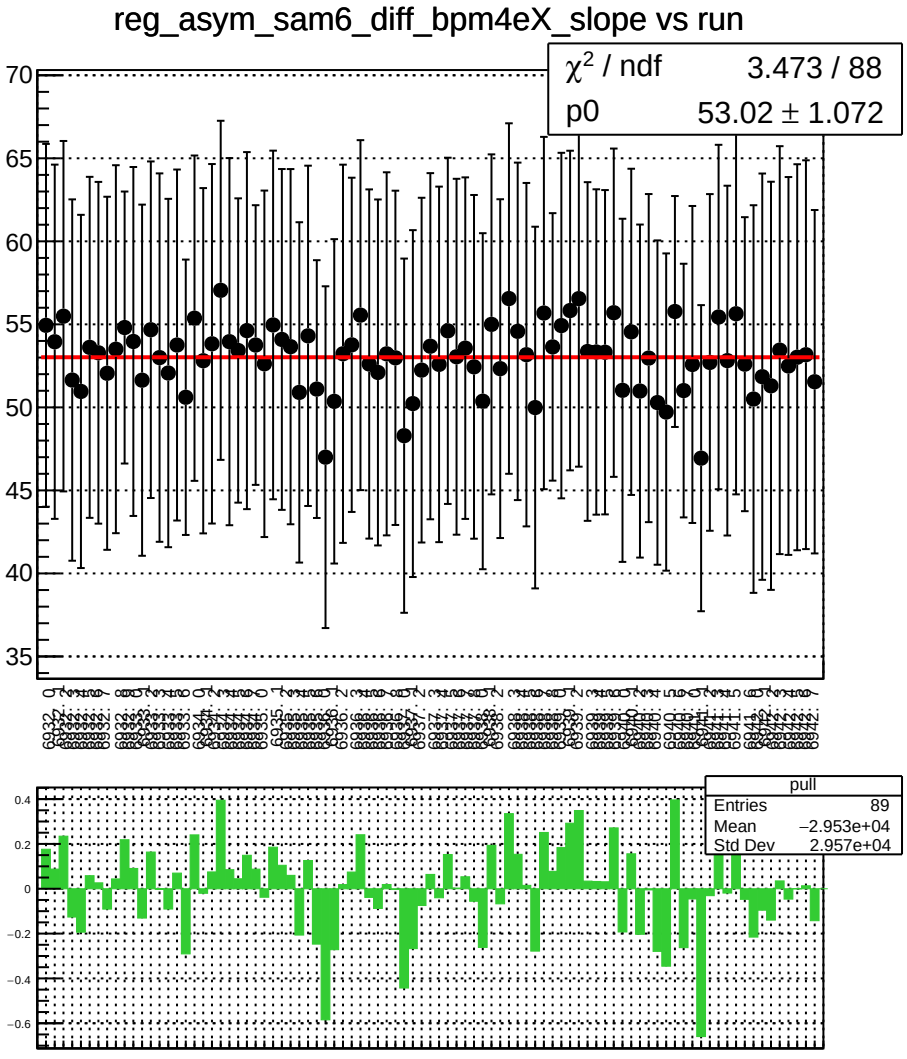

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 8.637 / 88
p0 −0.8611± 0.03611
pull
Entries 89
Mean 44.57
Std Dev 77
pull1D
Entries 89
Mean −0.009806
Std Dev 0.3114

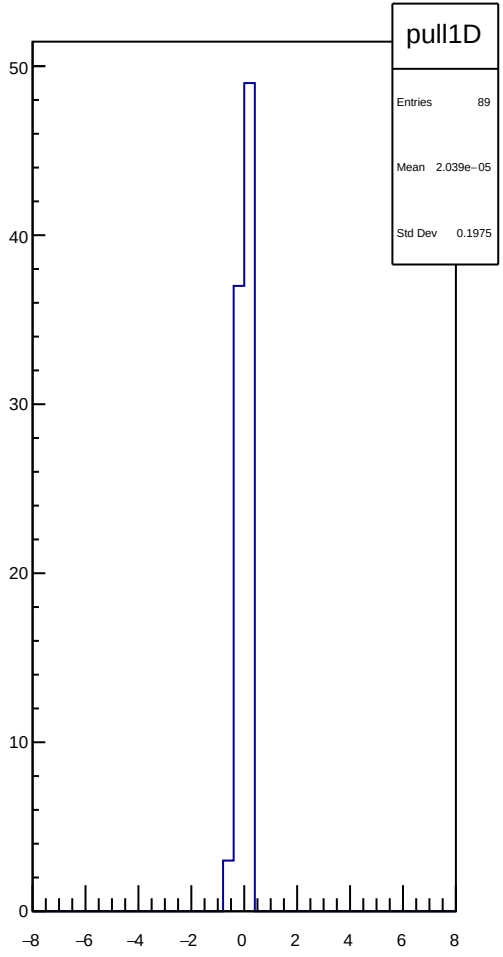

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.969 / 88
p0 14.67 ± 1.153
pull
Entries 89
Mean 435.5
Std Dev 397.5

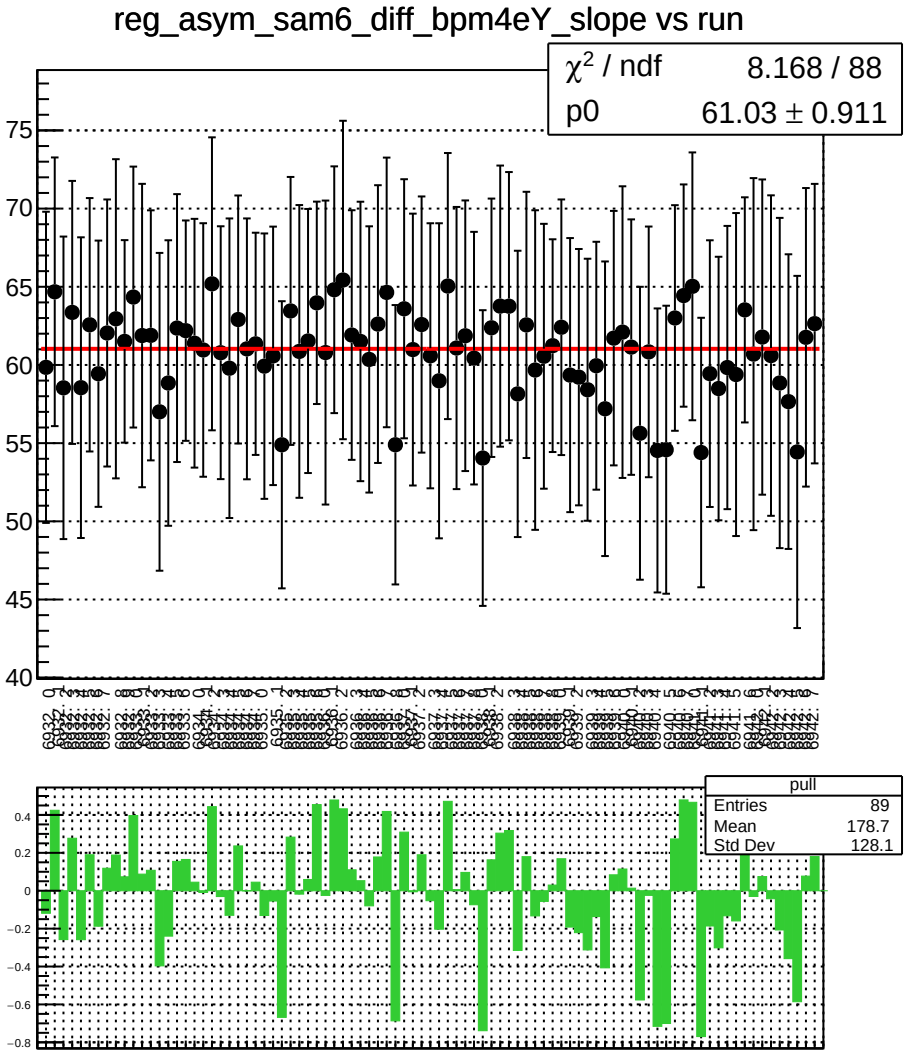

pull1D
Entries 89
Mean 0.001065
Std Dev 0.1827

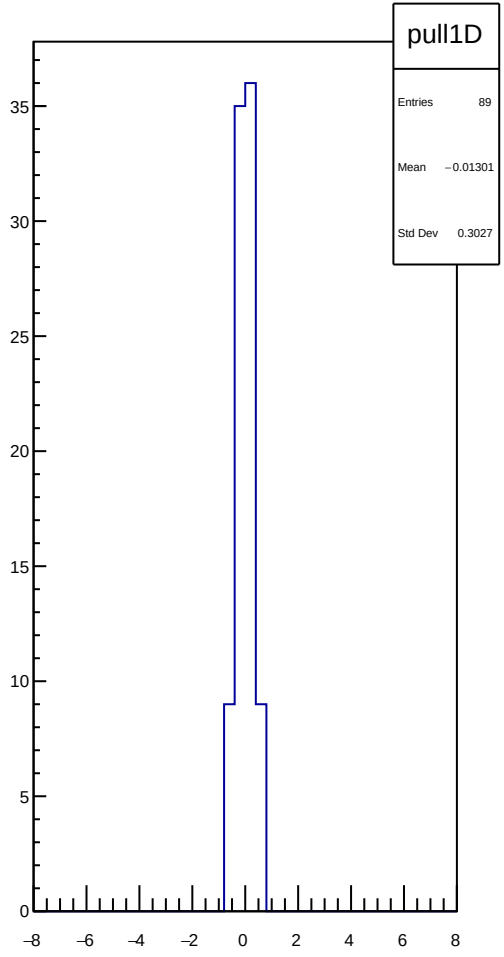

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 8.025 / 88
p0 45.28 ± 0.7878
pull
Entries 89
Mean 119.8
Std Dev 63.63

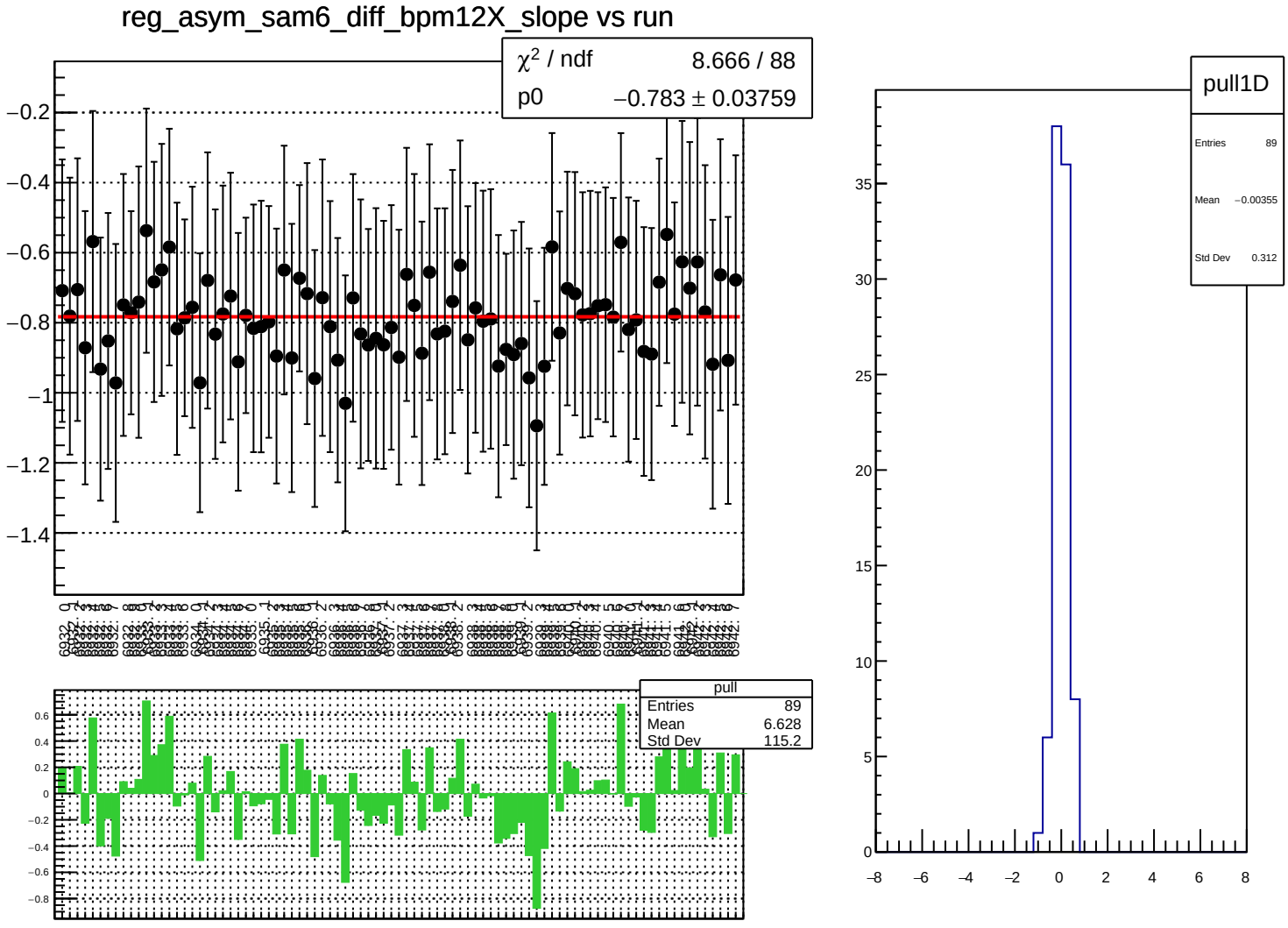

pull1D
Entries 89
Mean 0.02339
Std Dev 0.2994

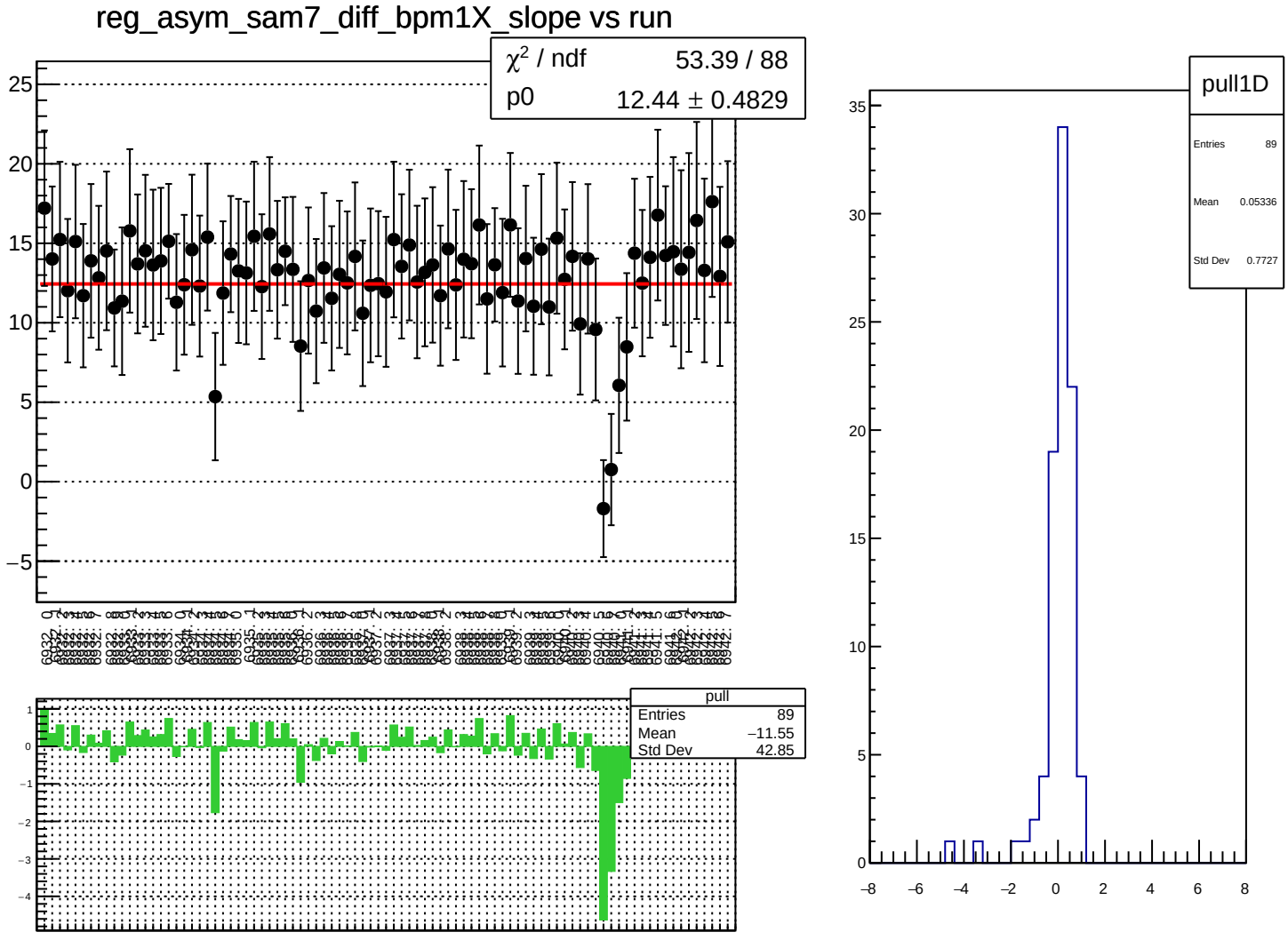

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 3.473 / 88
p0 53.02 ± 1.072
pull
Entries 89
Mean −2.953e+04
Std Dev 2.957e+04

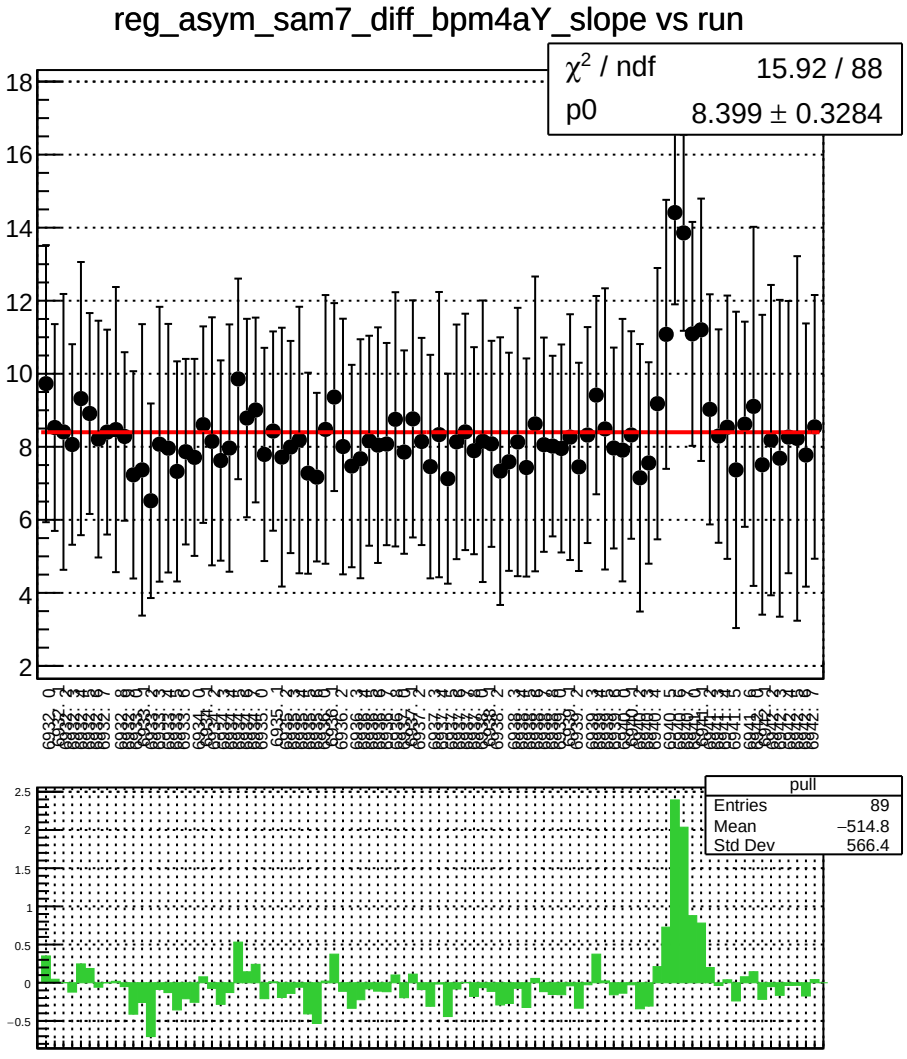

pull1D
Entries 89
Mean 2.039e−05
Std Dev 0.1975

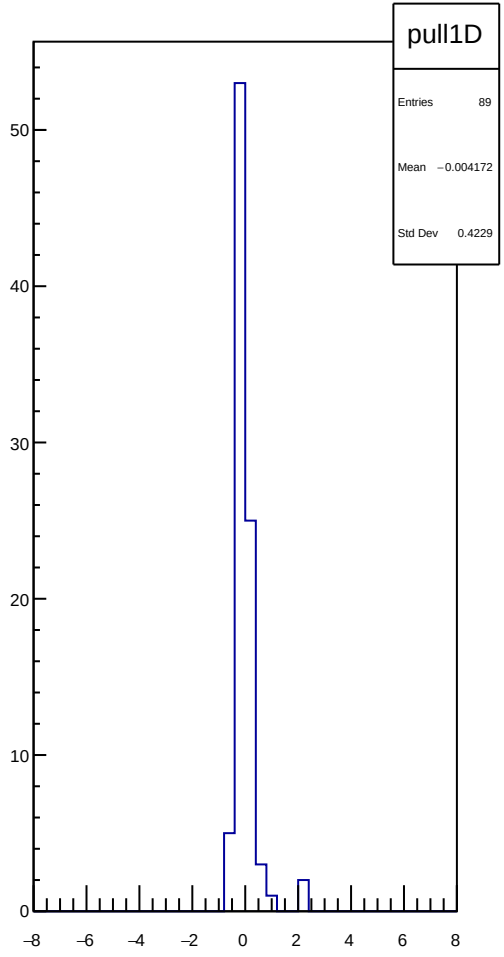

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 8.168 / 88
p0 61.03 ± 0.911
pull
Entries 89
Mean 178.7
Std Dev 128.1

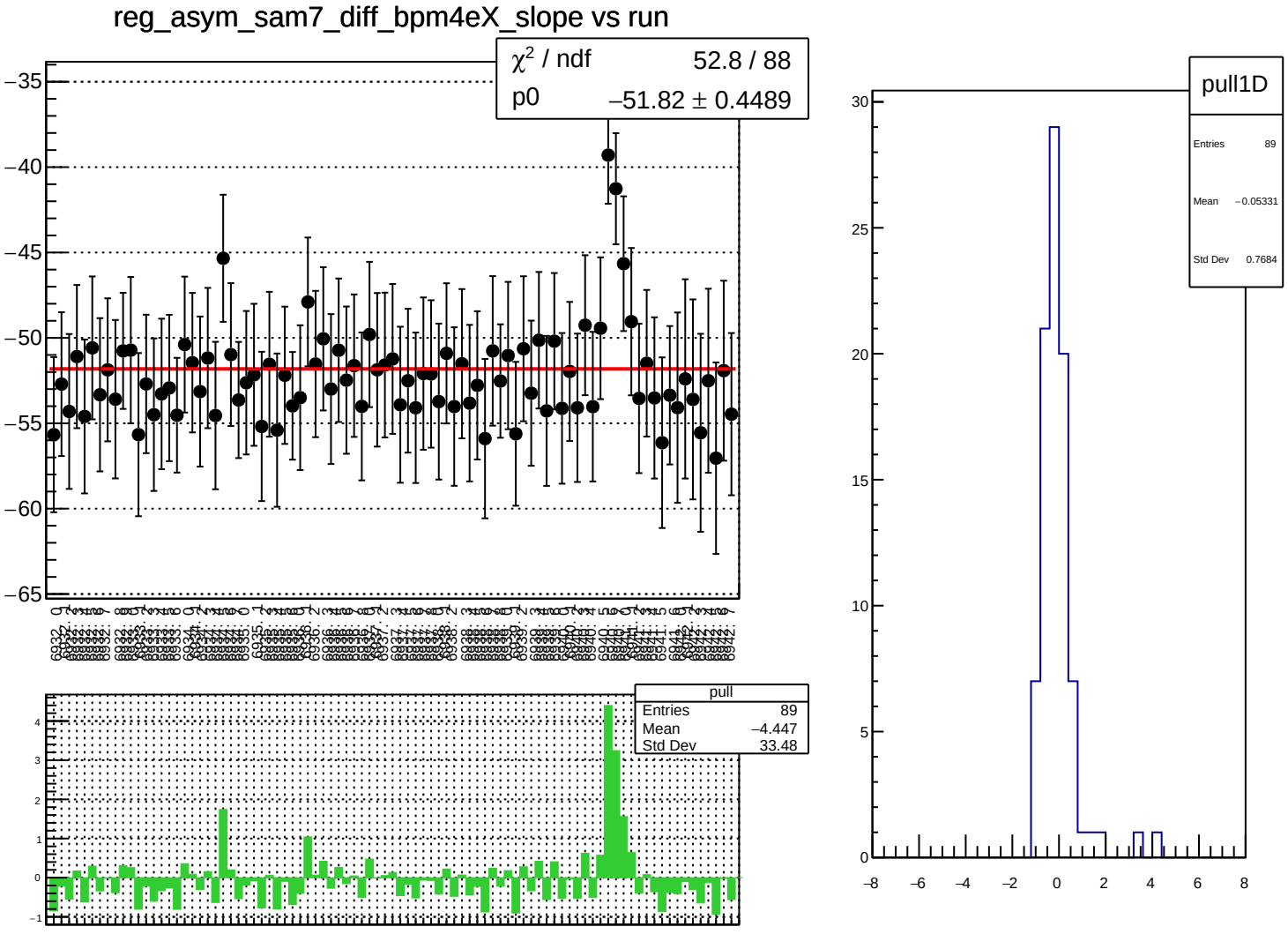

pull1D
Entries 89
Mean −0.01301
Std Dev 0.3027

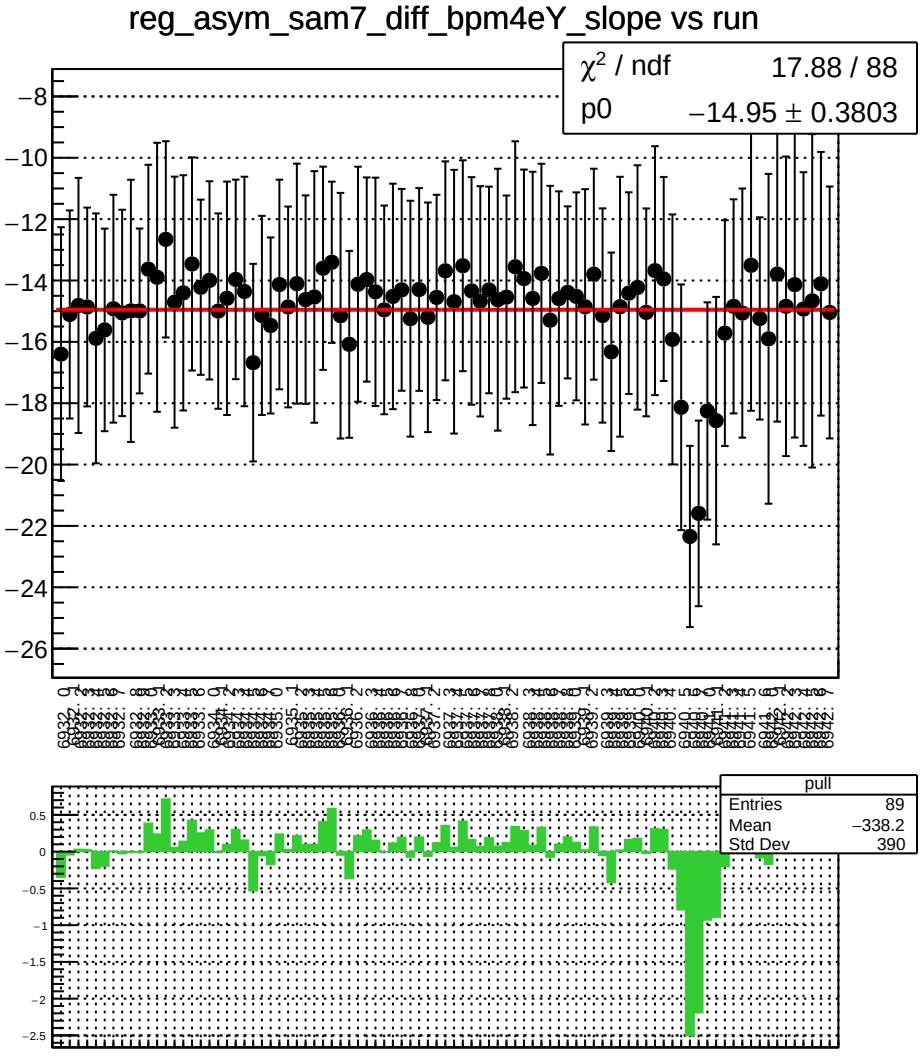

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 8.666 / 88
p0 −0.783 ± 0.03759
pull
Entries 89
Mean 6.628
Std Dev 115.2
pull1D
Entries 89
Mean −0.00355
Std Dev 0.312

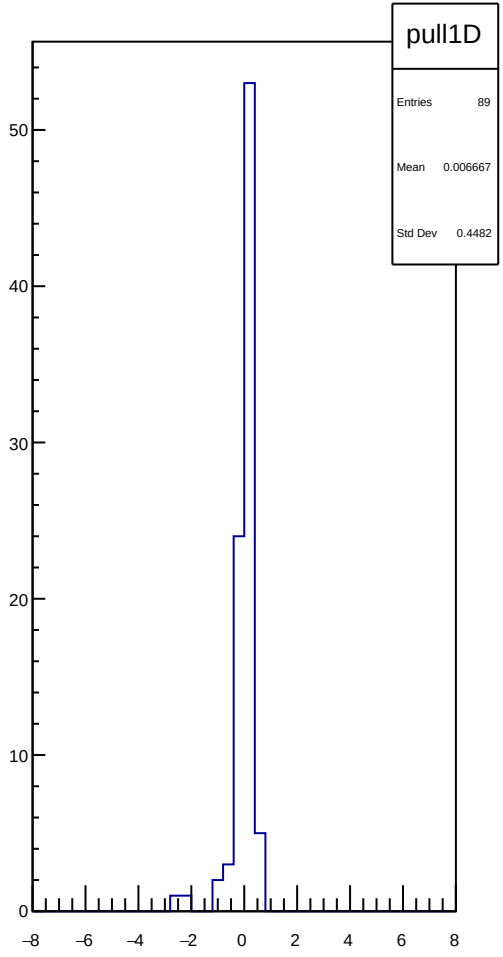

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 53.39 / 88
p0 12.44 ± 0.4829
pull
Entries 89
Mean −11.55
Std Dev 42.85
pull1D
Entries 89
Mean 0.05336
Std Dev 0.7727

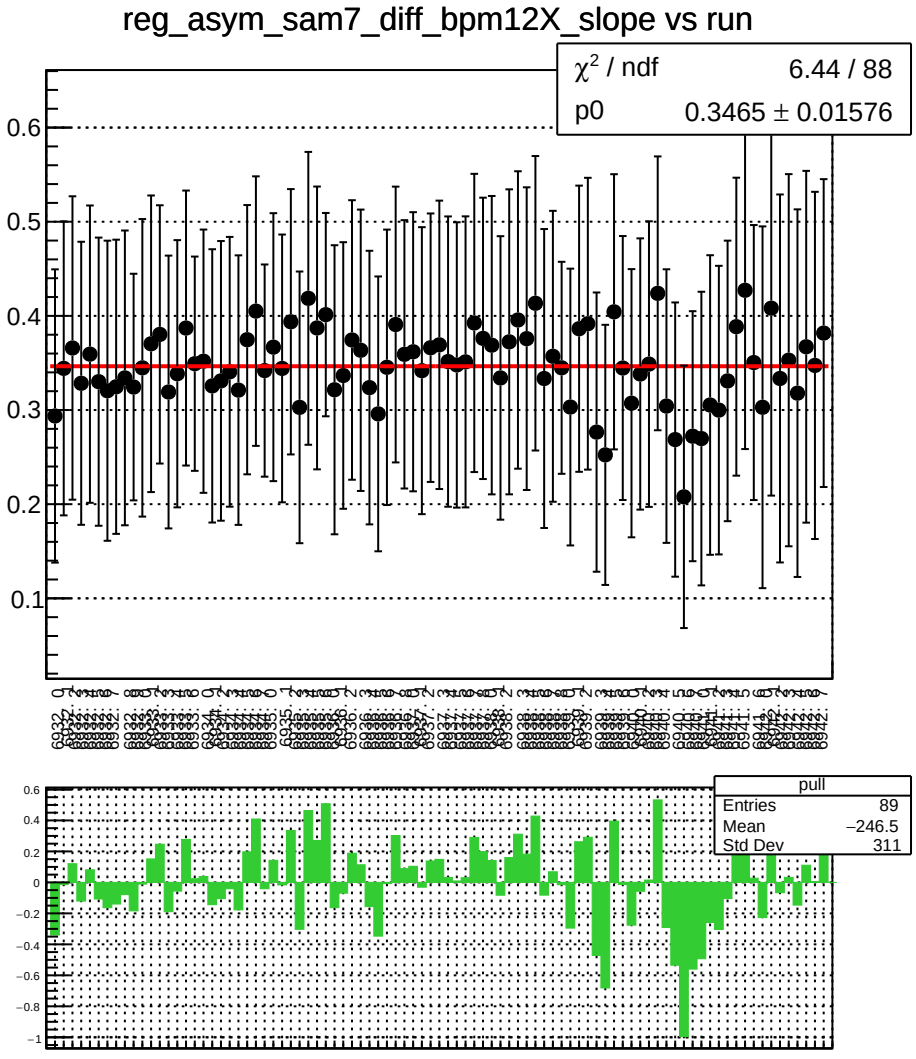

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 15.92 / 88
p0 8.399 ± 0.3284
pull
Entries 89
Mean −514.8
Std Dev 566.4

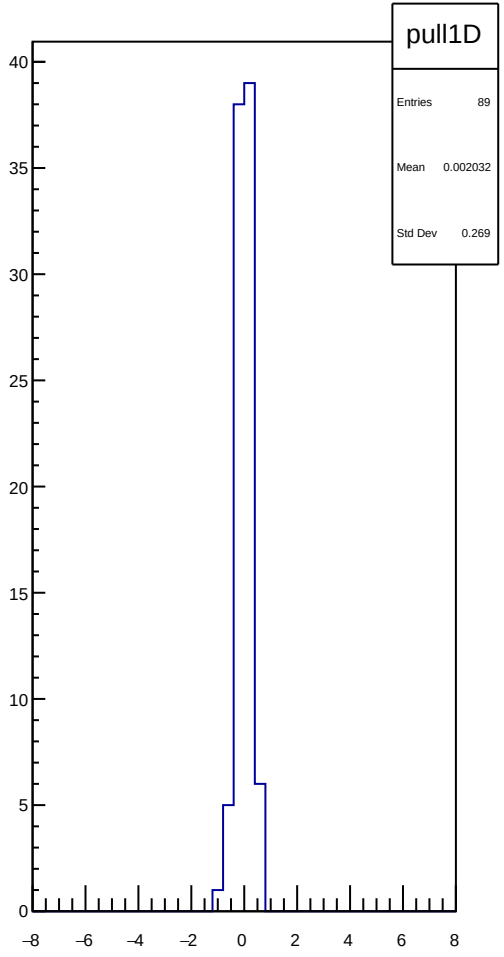

pull1D
Entries 89
Mean −0.004172
Std Dev 0.4229

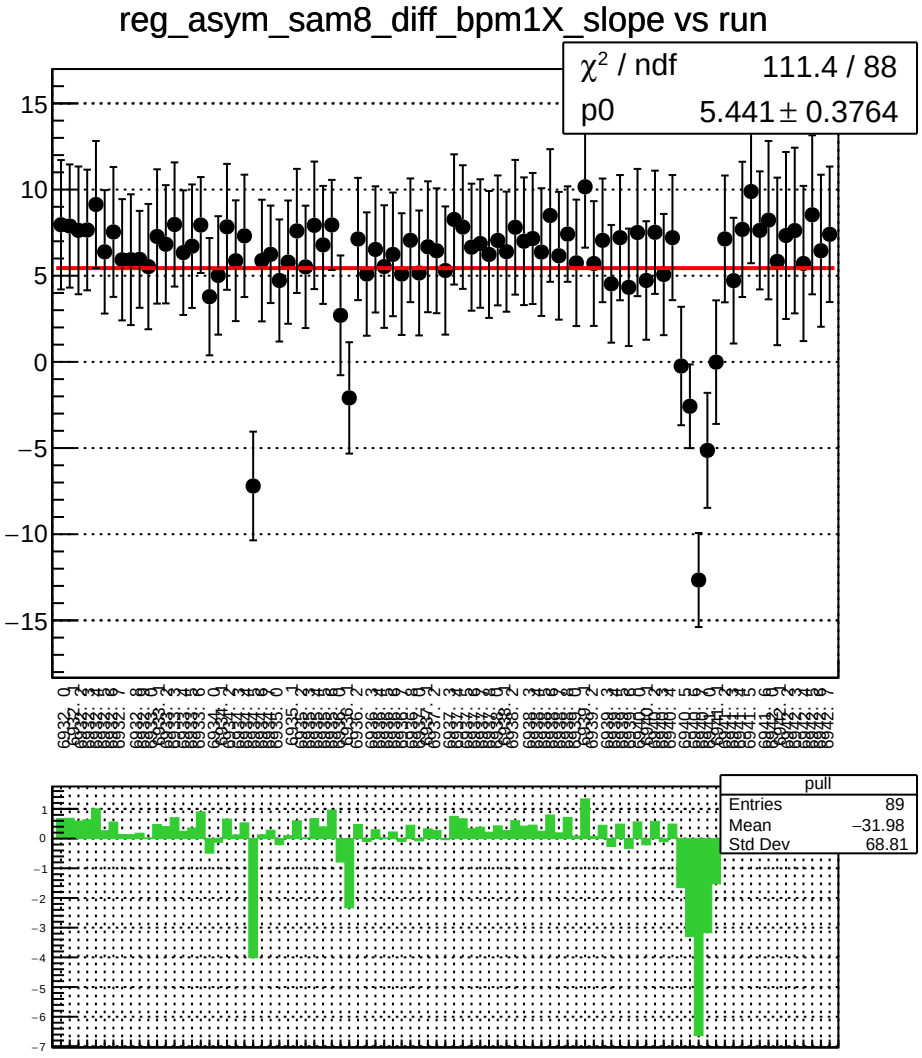

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 52.8 / 88
p0 −51.82 ± 0.4489
pull
Entries 89
Mean −4.447
Std Dev 33.48
pull1D
Entries 89
Mean −0.05331
Std Dev 0.7684

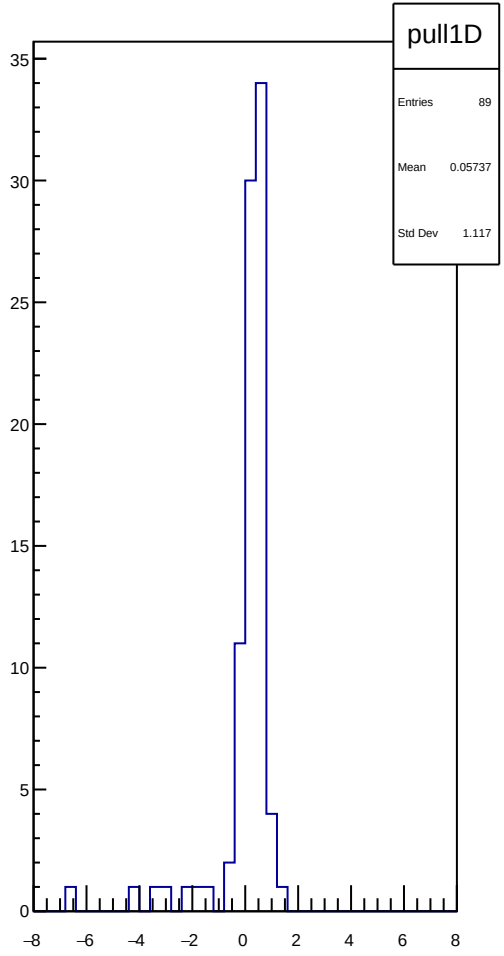

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 17.88 / 88
p0 −14.95 ± 0.3803
pull
Entries 89
Mean −338.2
Std Dev 390

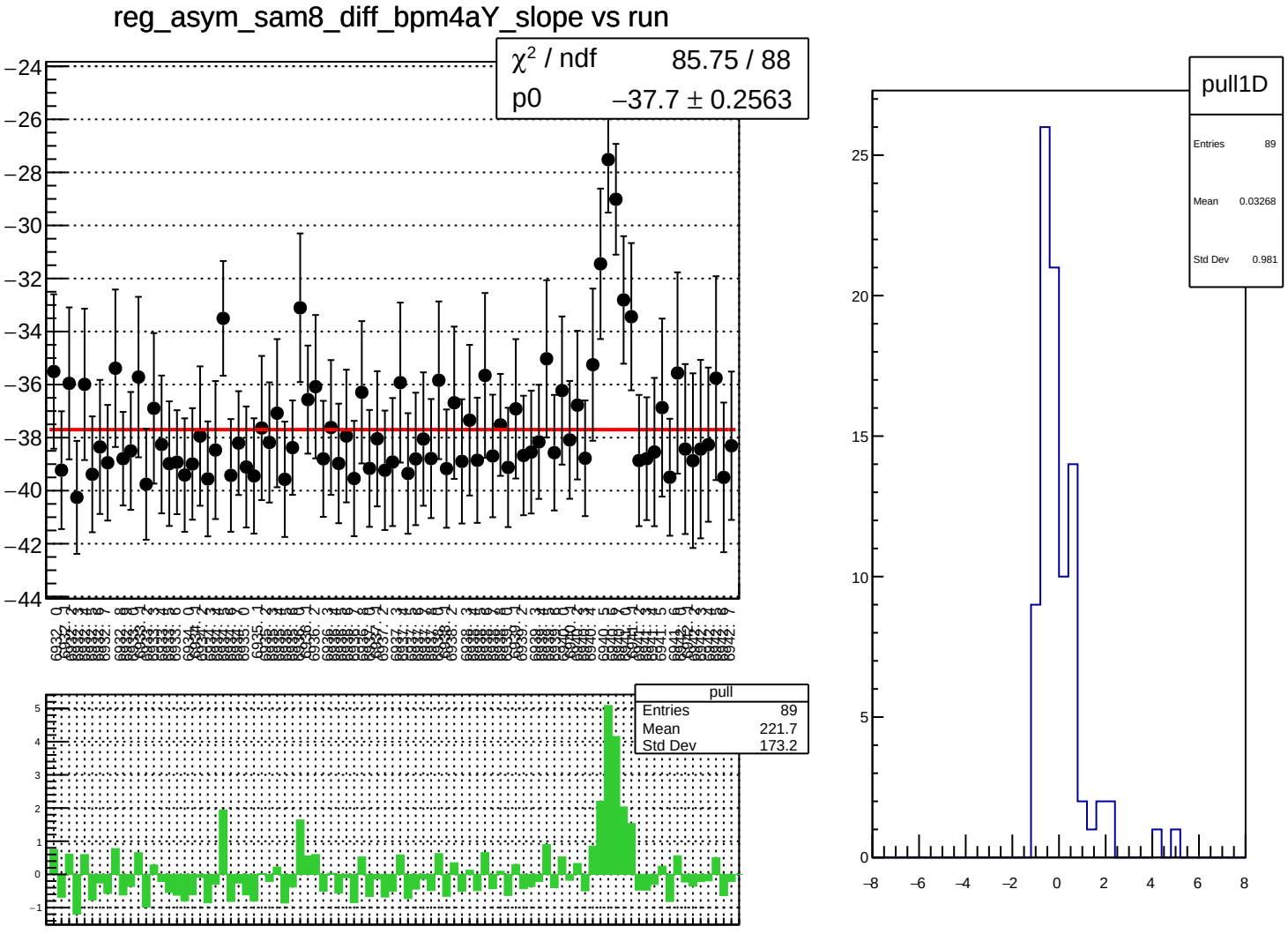

pull1D
Entries 89
Mean 0.006667
Std Dev 0.4482

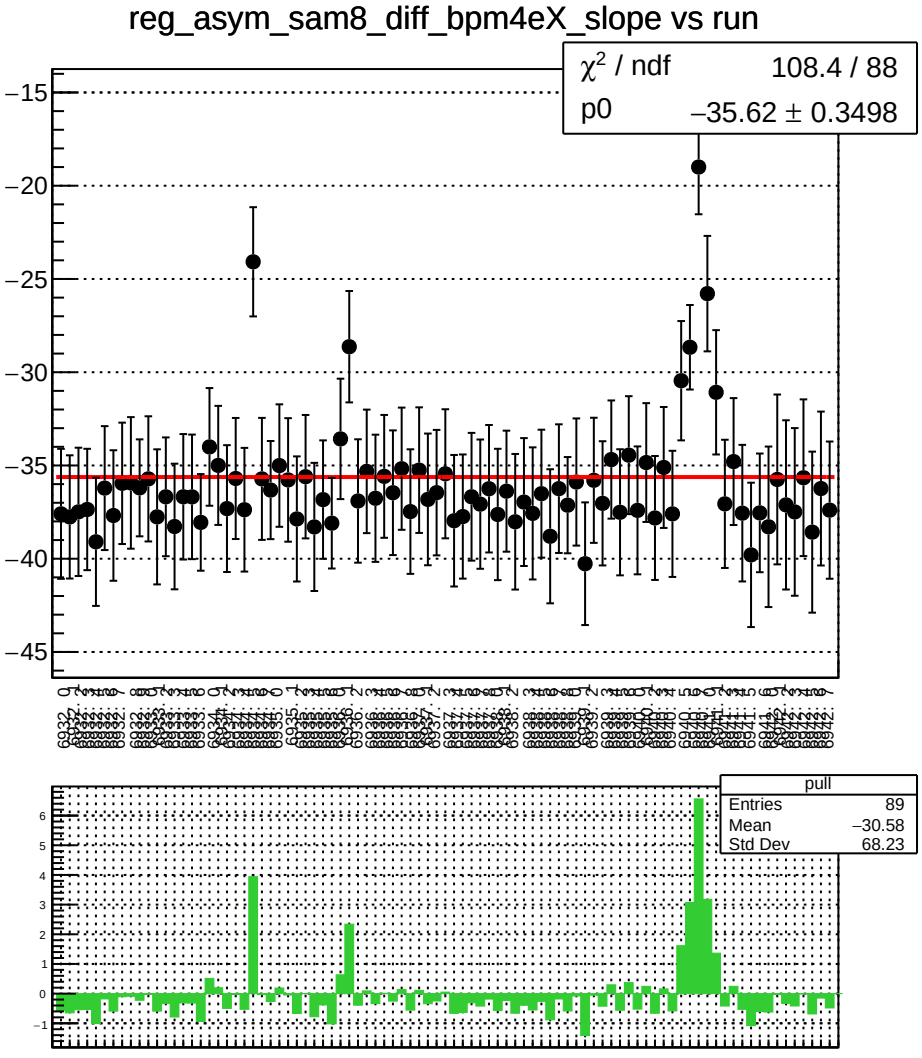

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 6.44 / 88
p0 0.3465 ± 0.01576
pull
Entries 89
Mean −246.5
Std Dev 311

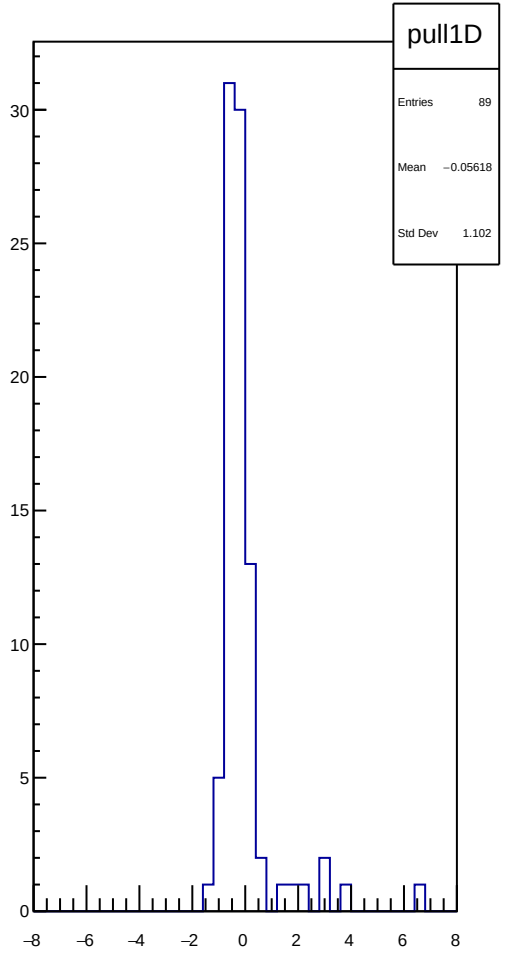

pull1D
Entries 89
Mean 0.002032
Std Dev 0.269

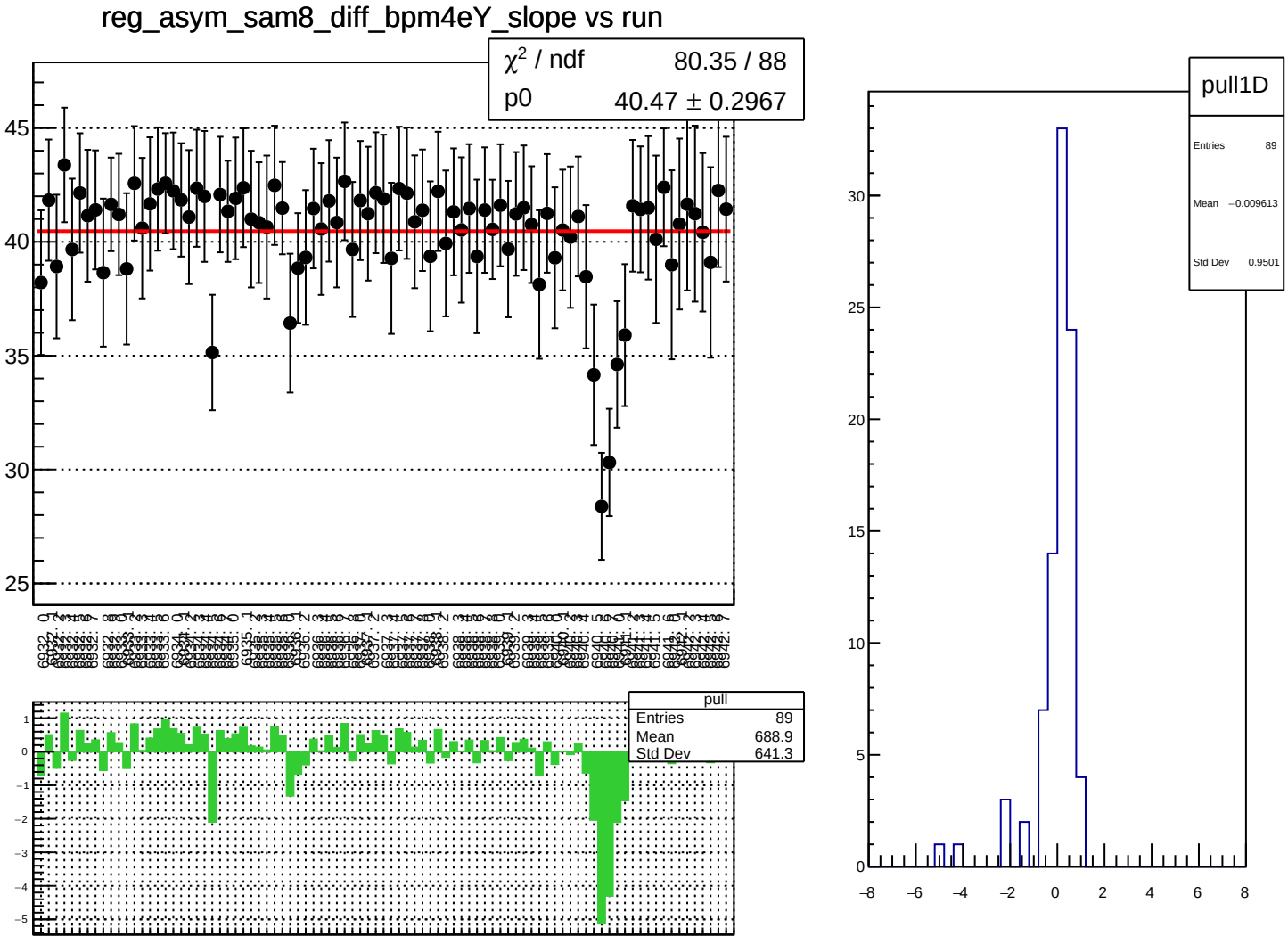

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 111.4 / 88
p0 5.441 ± 0.3764
pull
Entries 89
Mean −31.98
Std Dev 68.81

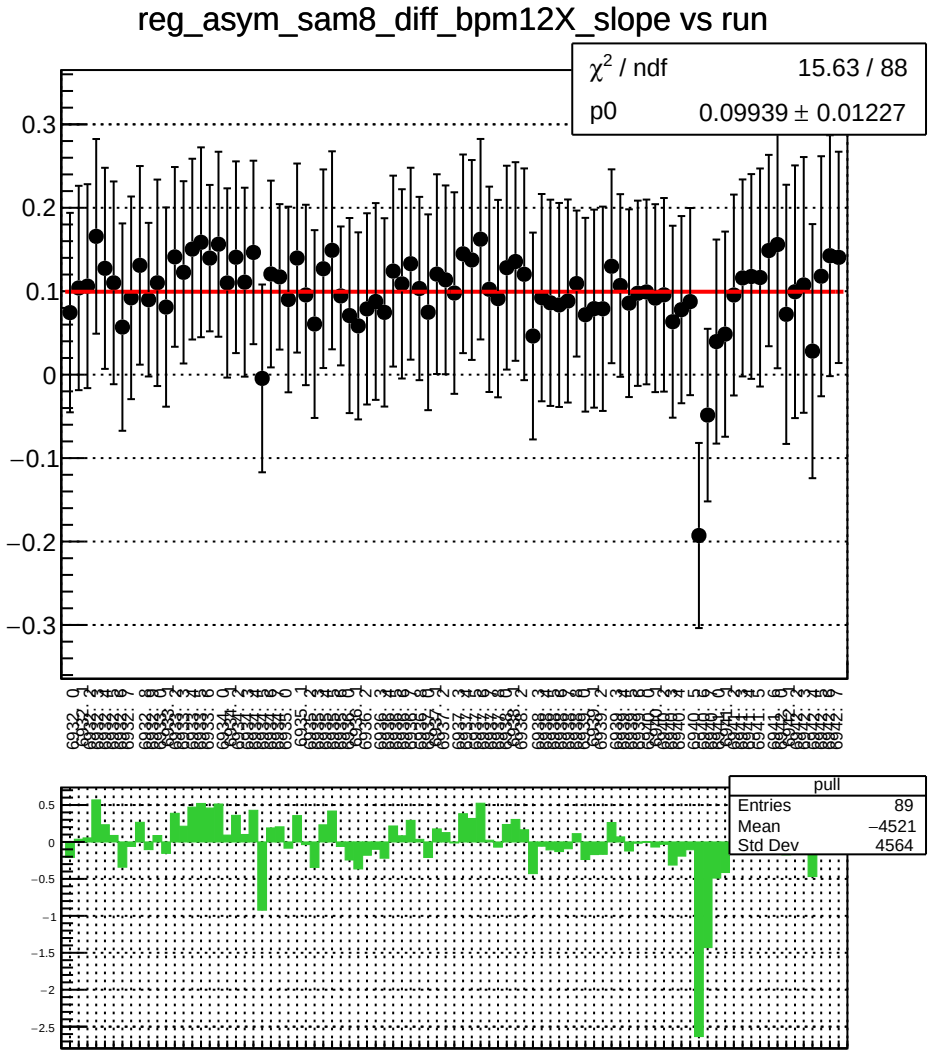

pull1D
Entries 89
Mean 0.05737
Std Dev 1.117

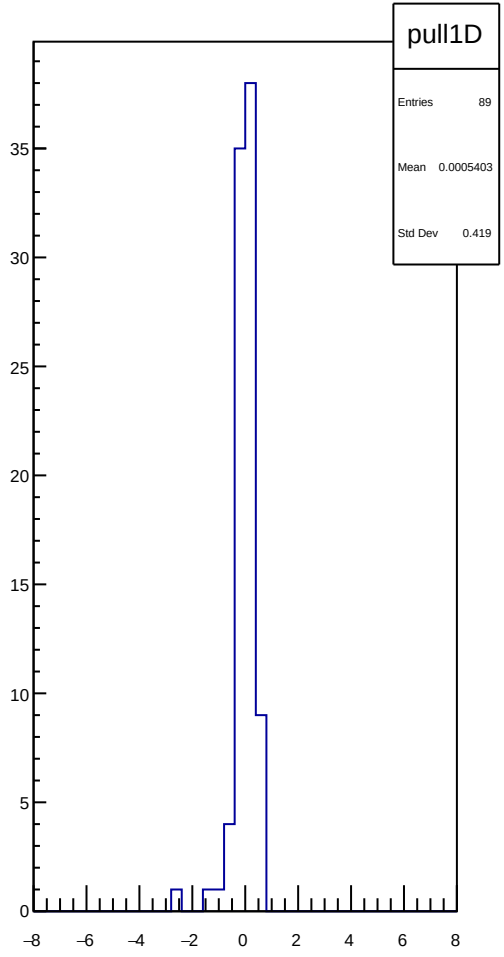

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 85.75 / 88
p0 −37.7 ± 0.2563
pull
Entries 89
Mean 221.7
Std Dev 173.2
pull1D
Entries 89
Mean 0.03268
Std Dev 0.981

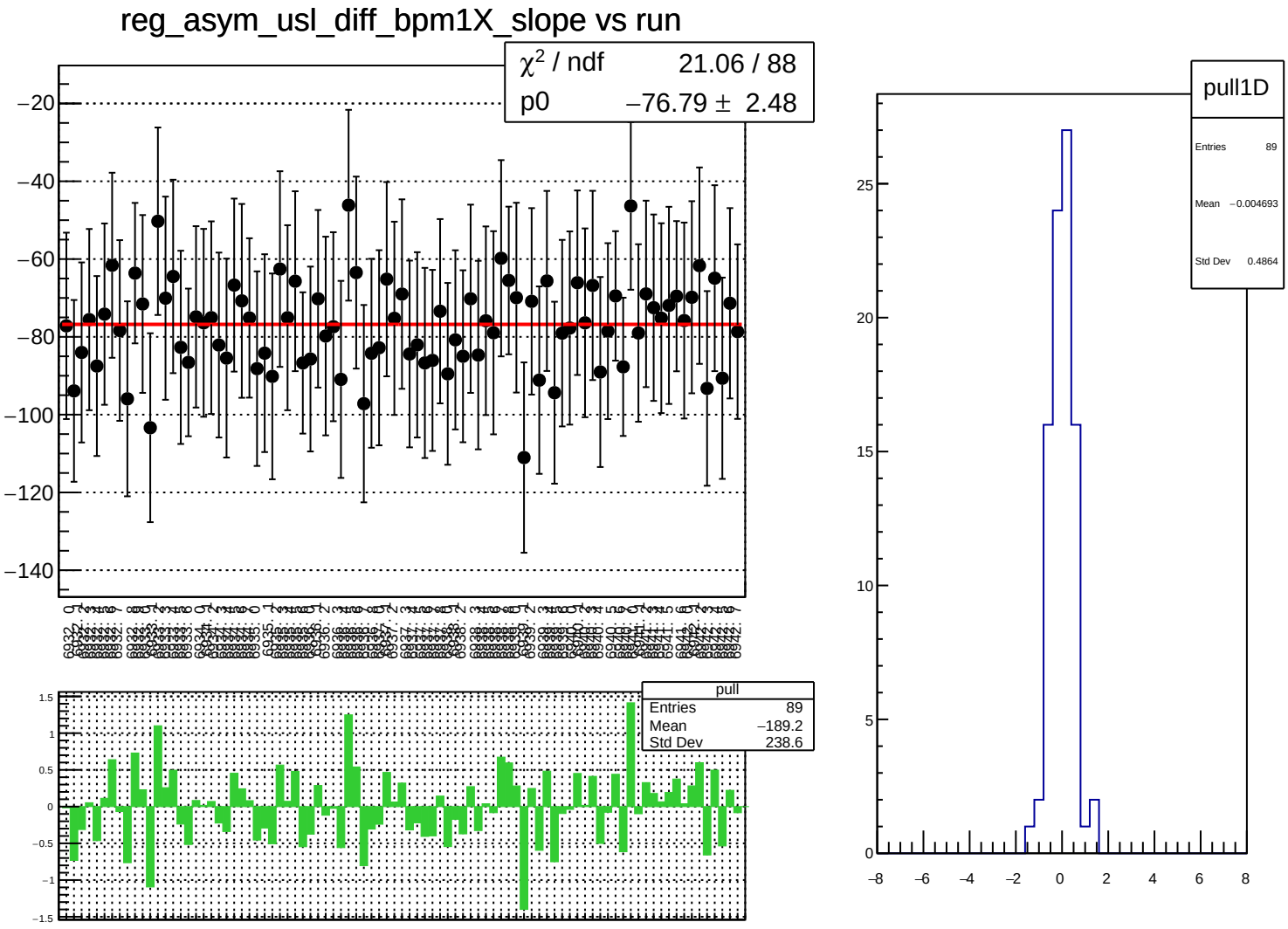

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 108.4 / 88
p0 −35.62 ± 0.3498
pull
Entries 89
Mean −30.58
Std Dev 68.23

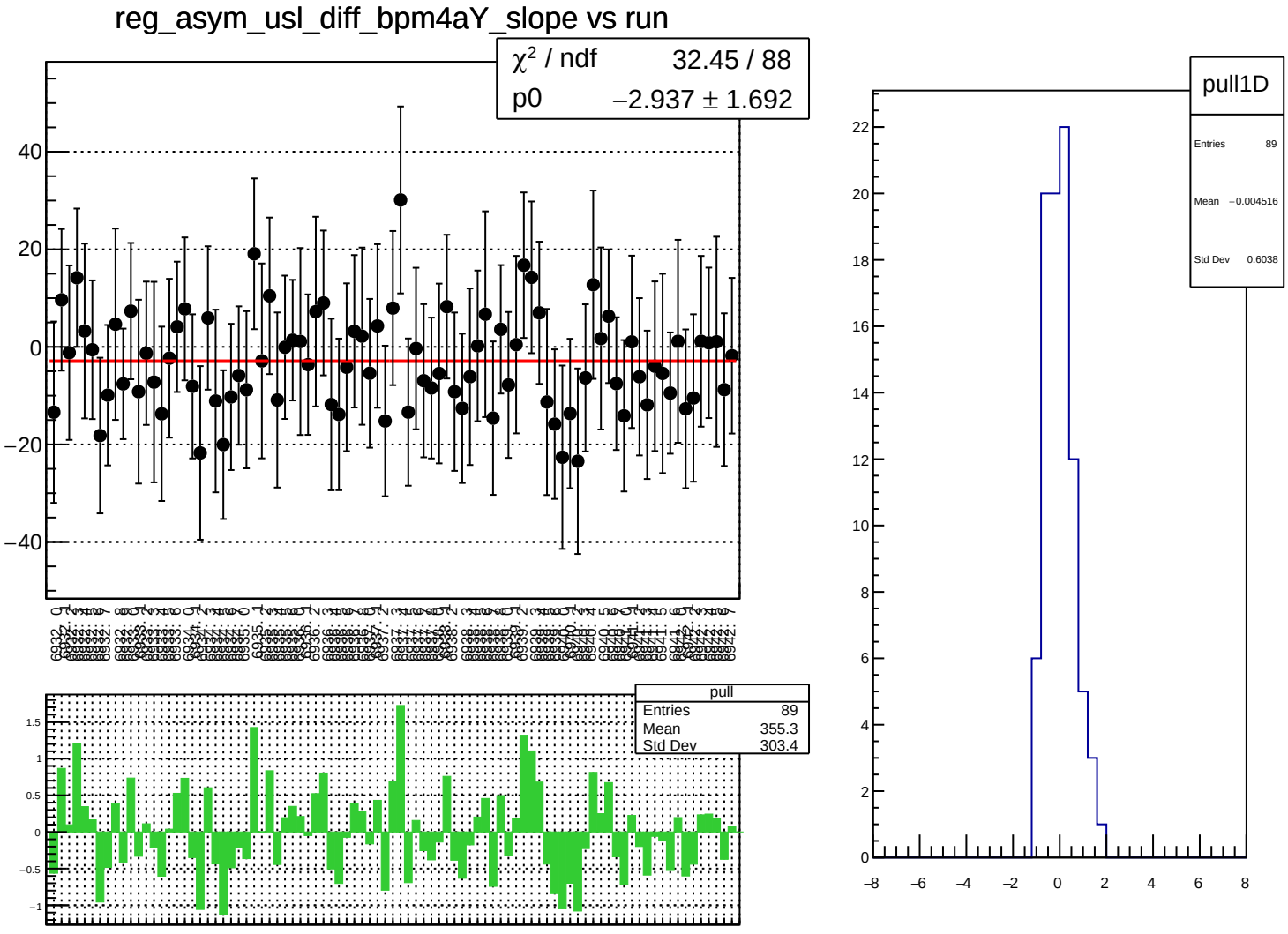

pull1D
Entries 89
Mean −0.05618
Std Dev 1.102

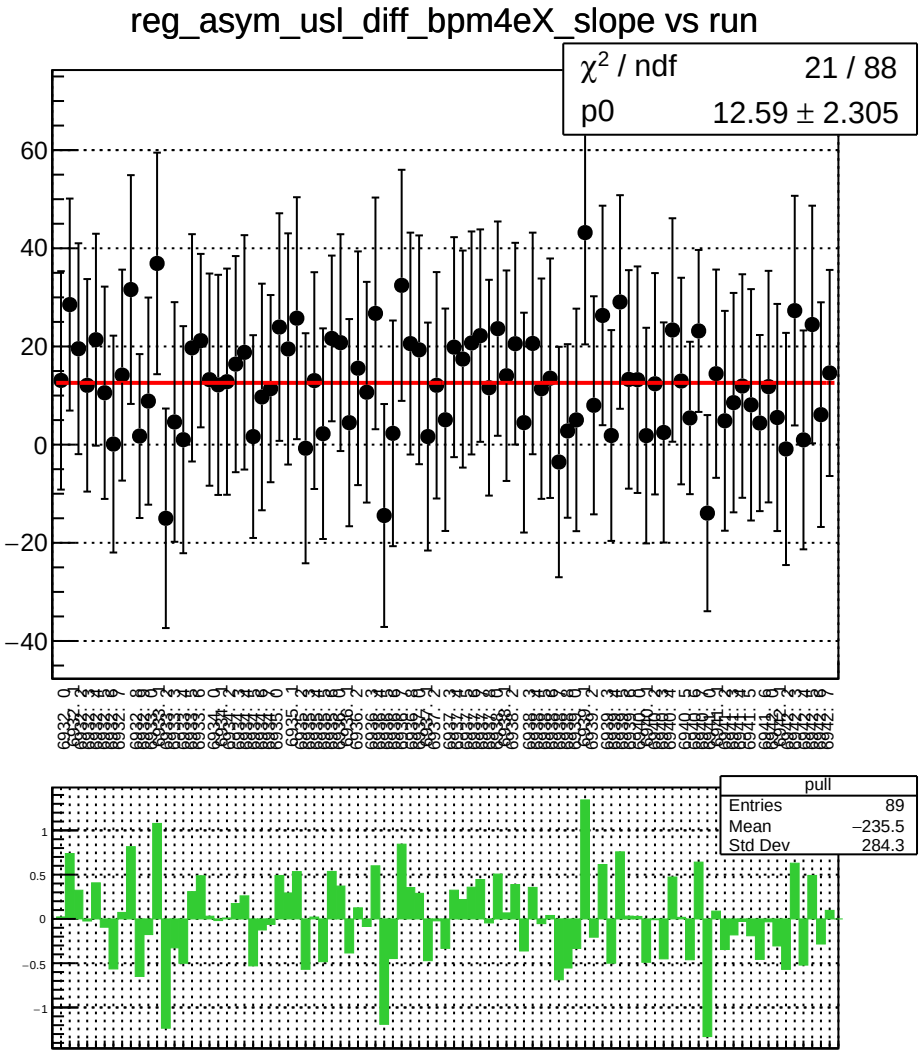

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 80.35 / 88
p0 40.47 ± 0.2967
45
40
35
30
25
pull
Entries 89
Mean 688.9
Std Dev 641.3
1
0
−1
−2
−3
−4
−5
pull1D
Entries 89
Mean −0.009613
Std Dev 0.9501
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

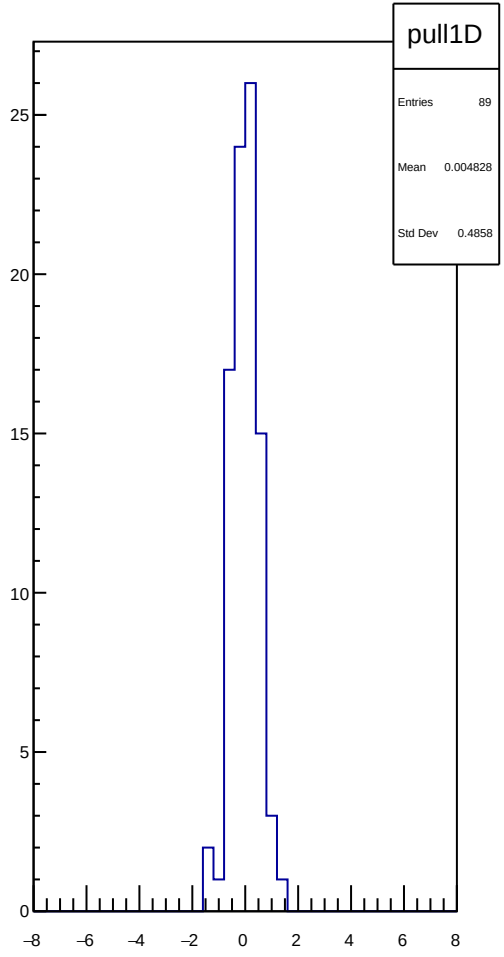

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 15.63 / 88
p0 0.09939 ± 0.01227
pull
Entries 89
Mean −4521
Std Dev 4564

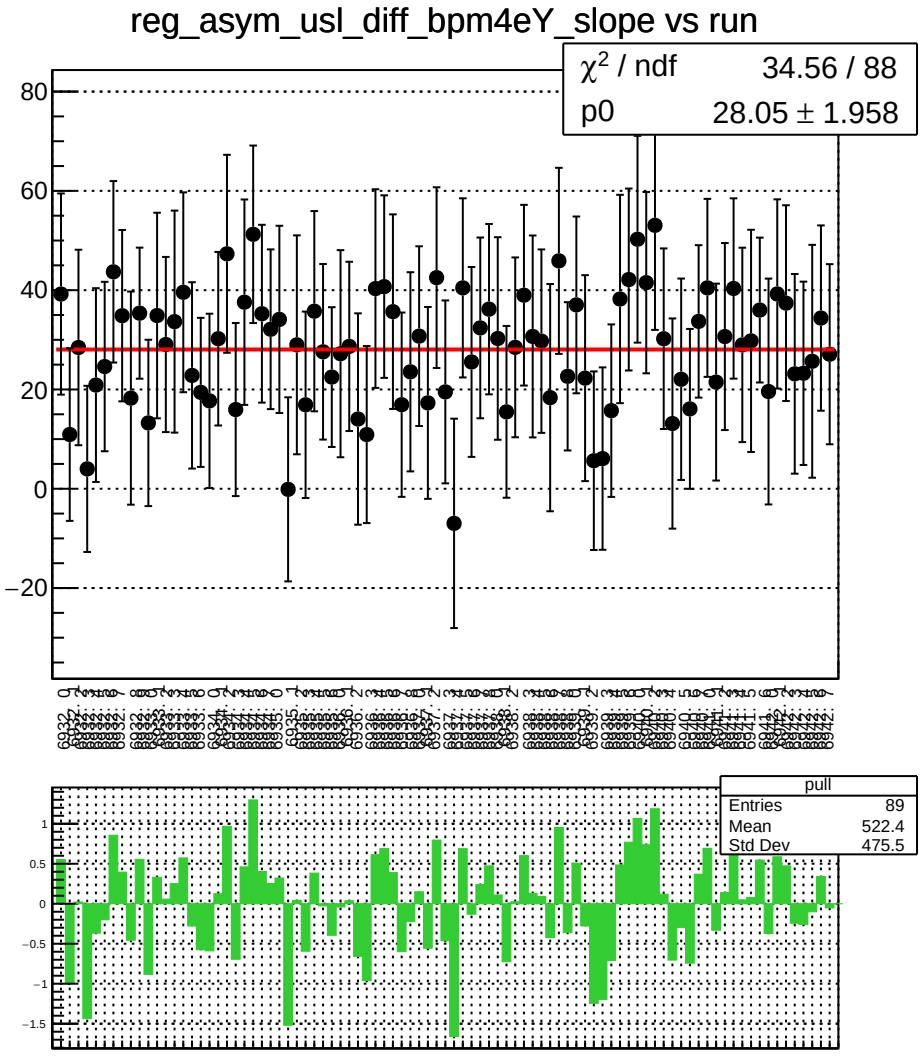

pull1D
Entries 89
Mean 0.0005403
Std Dev 0.419

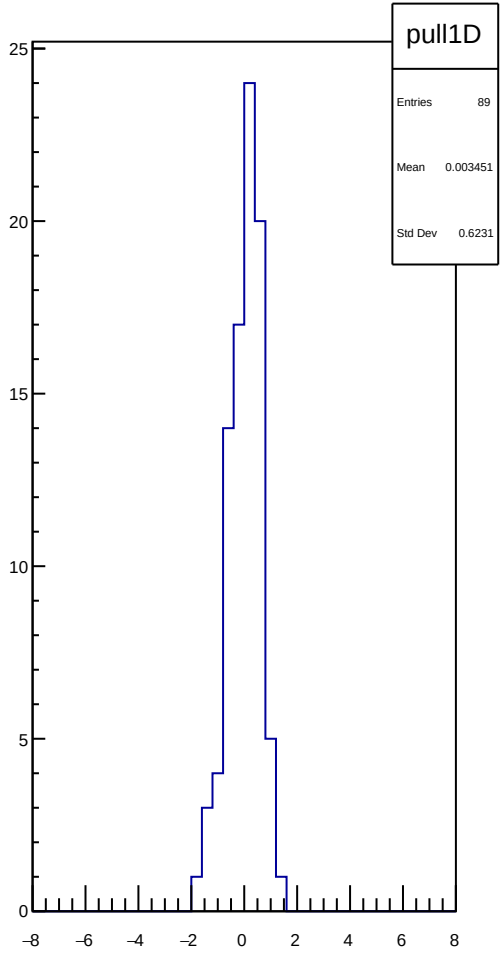

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 21.06 / 88
p0 −76.79 ± 2.48
pull
Entries 89
Mean −189.2
Std Dev 238.6
pull1D
Entries 89
Mean −0.004693
Std Dev 0.4864

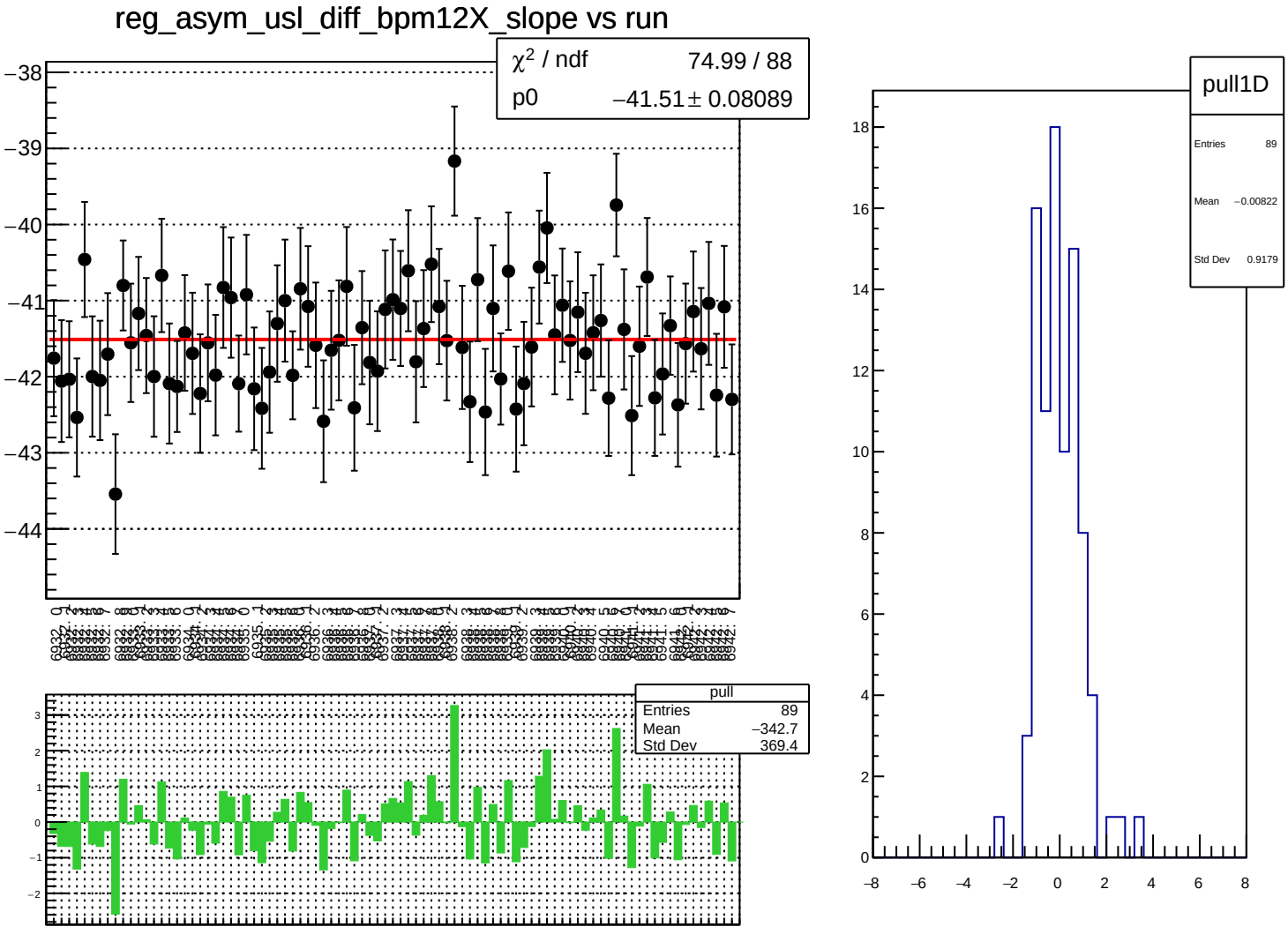

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 32.45 / 88
p0 −2.937 ± 1.692
pull
Entries 89
Mean 355.3
Std Dev 303.4
pull1D
Entries 89
Mean −0.004516
Std Dev 0.6038

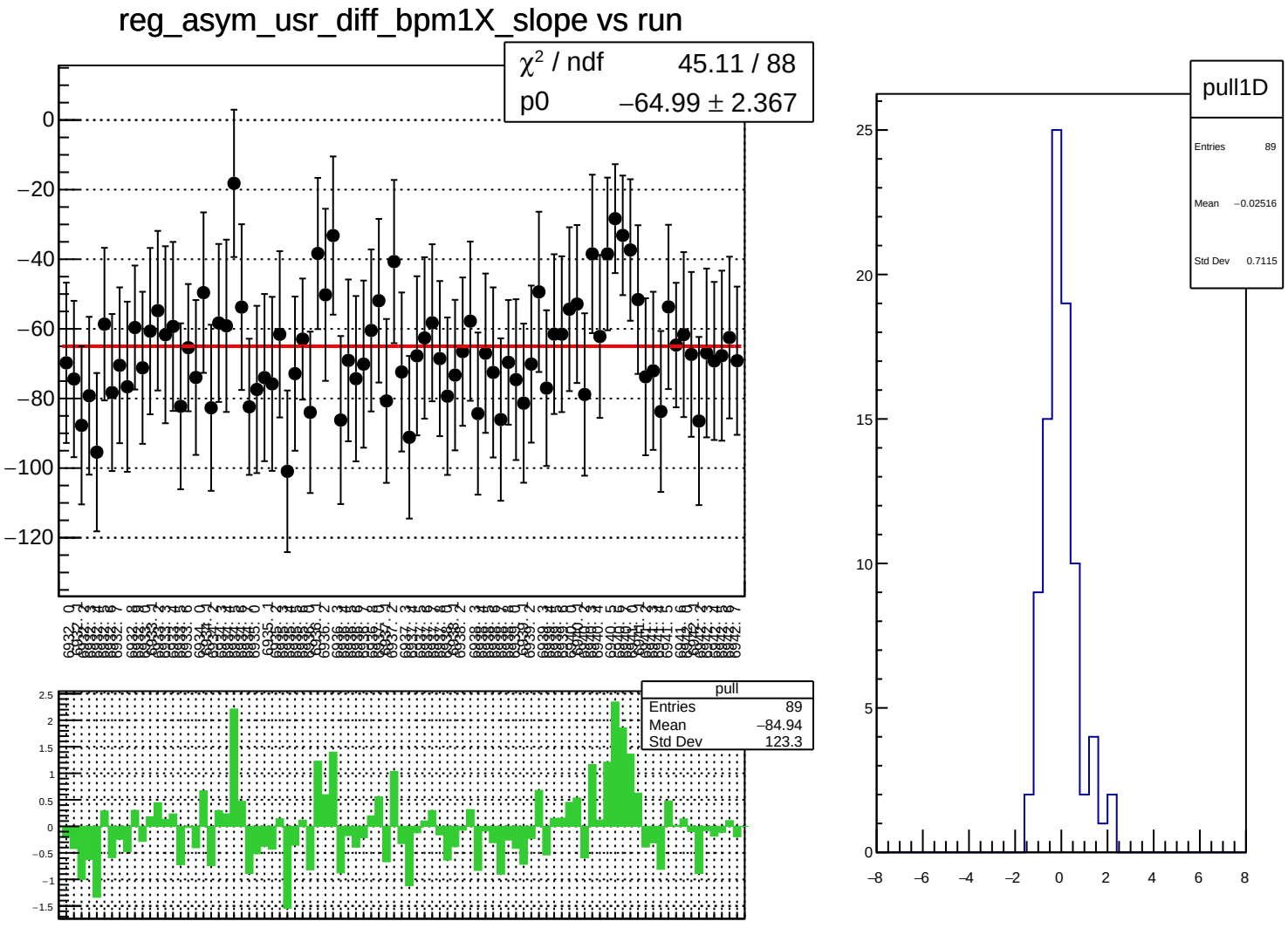

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 21 / 88
p0 12.59 ± 2.305
pull
Entries 89
Mean −235.5
Std Dev 284.3

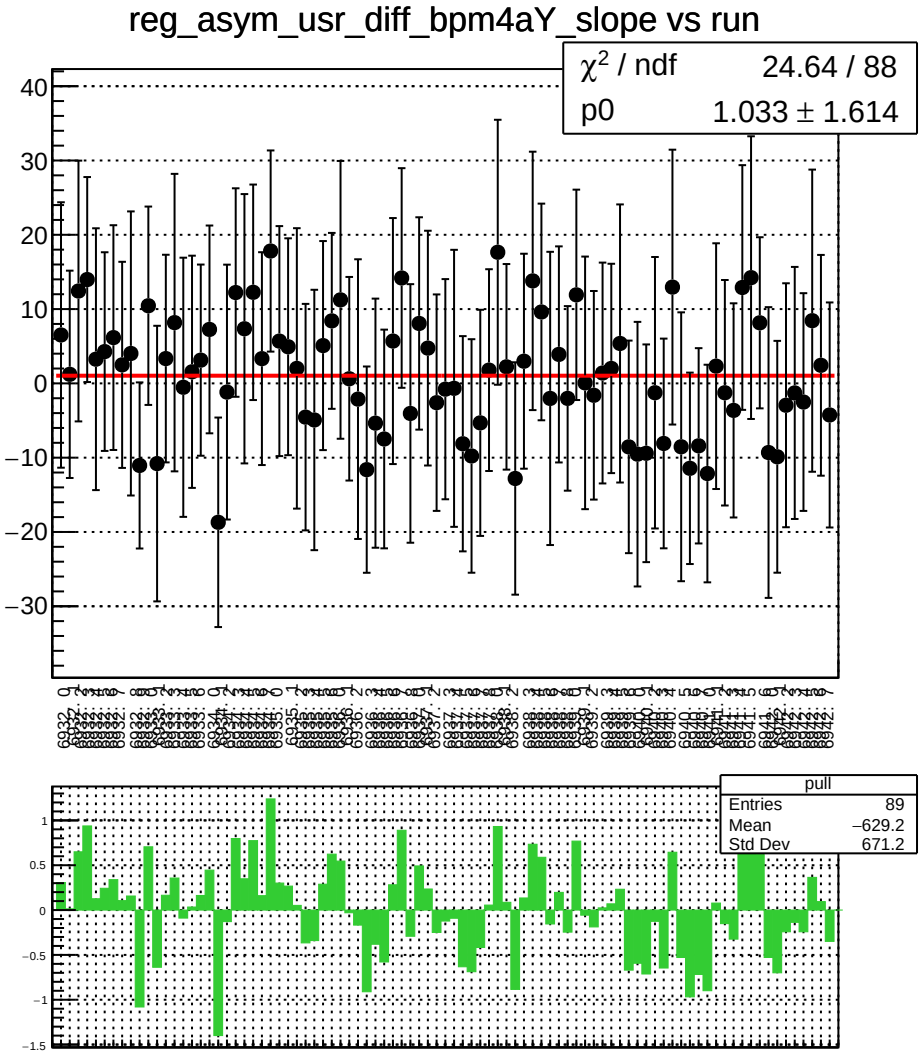

pull1D
Entries 89
Mean 0.004828
Std Dev 0.4858

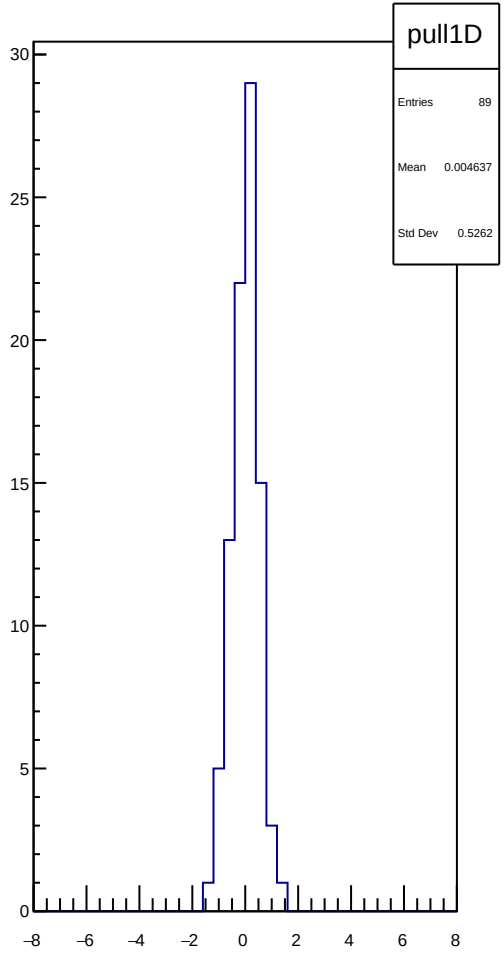

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 34.56 / 88
p0 28.05 ± 1.958
pull
Entries 89
Mean 522.4
Std Dev 475.5

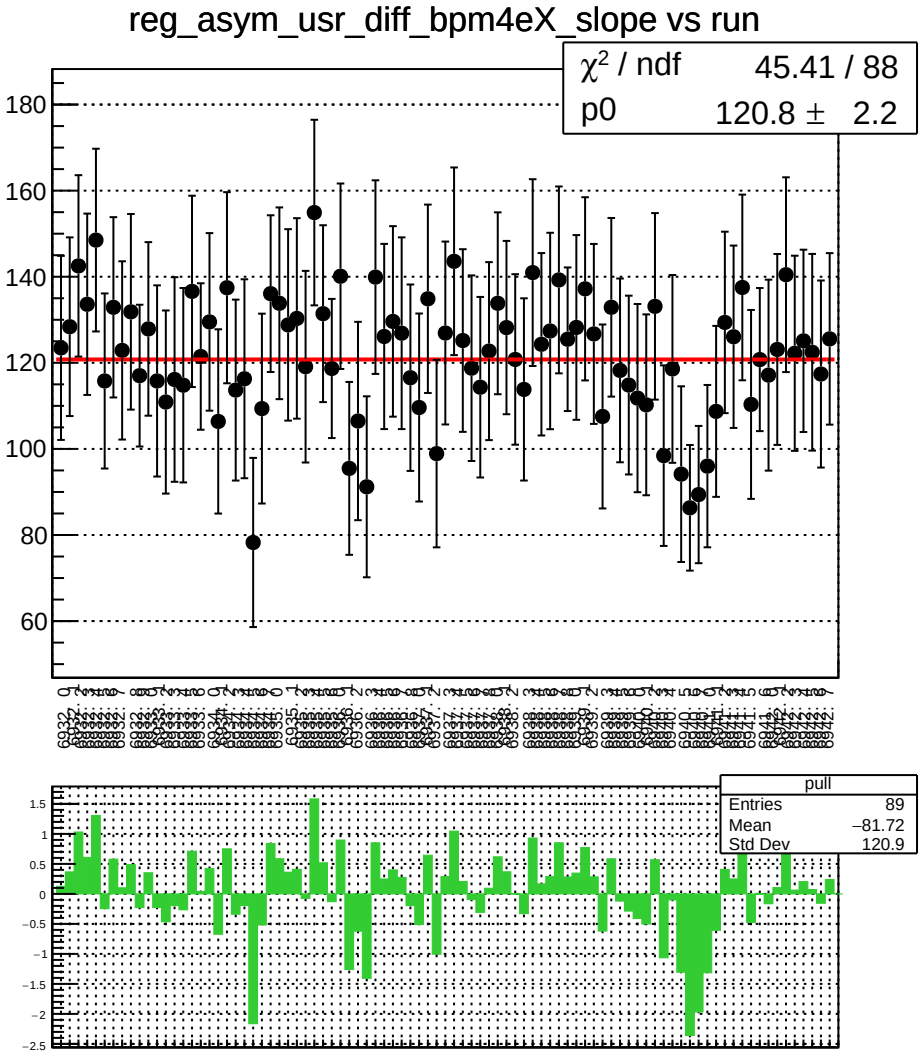

pull1D
Entries 89
Mean 0.003451
Std Dev 0.6231

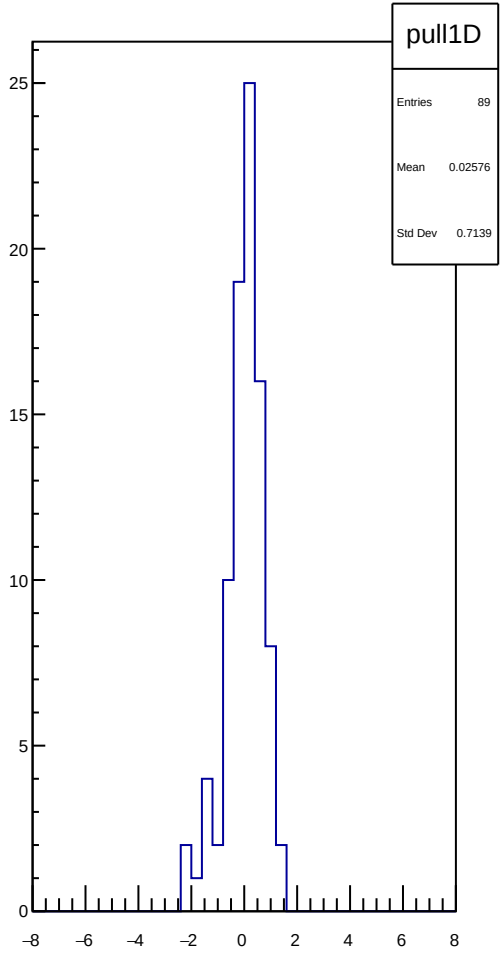

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 74.99 / 88
p0 −41.51 ± 0.08089
pull
Entries 89
Mean −342.7
Std Dev 369.4
pull1D
Entries 89
Mean −0.00822
Std Dev 0.9179

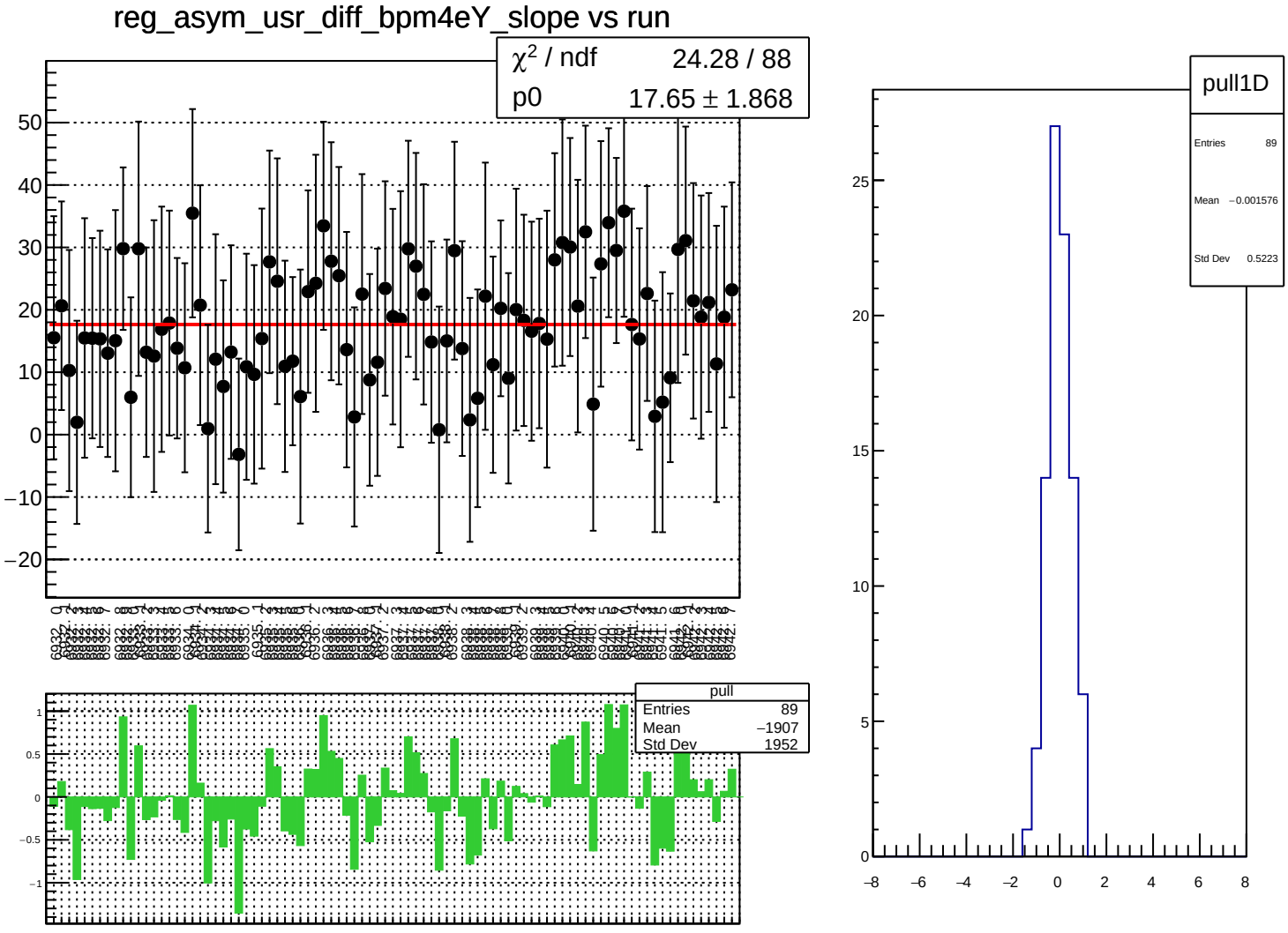

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 45.11 / 88
p0 −64.99 ± 2.367
pull
Entries 89
Mean −84.94
Std Dev 123.3
pull1D
Entries 89
Mean −0.02516
Std Dev 0.7115

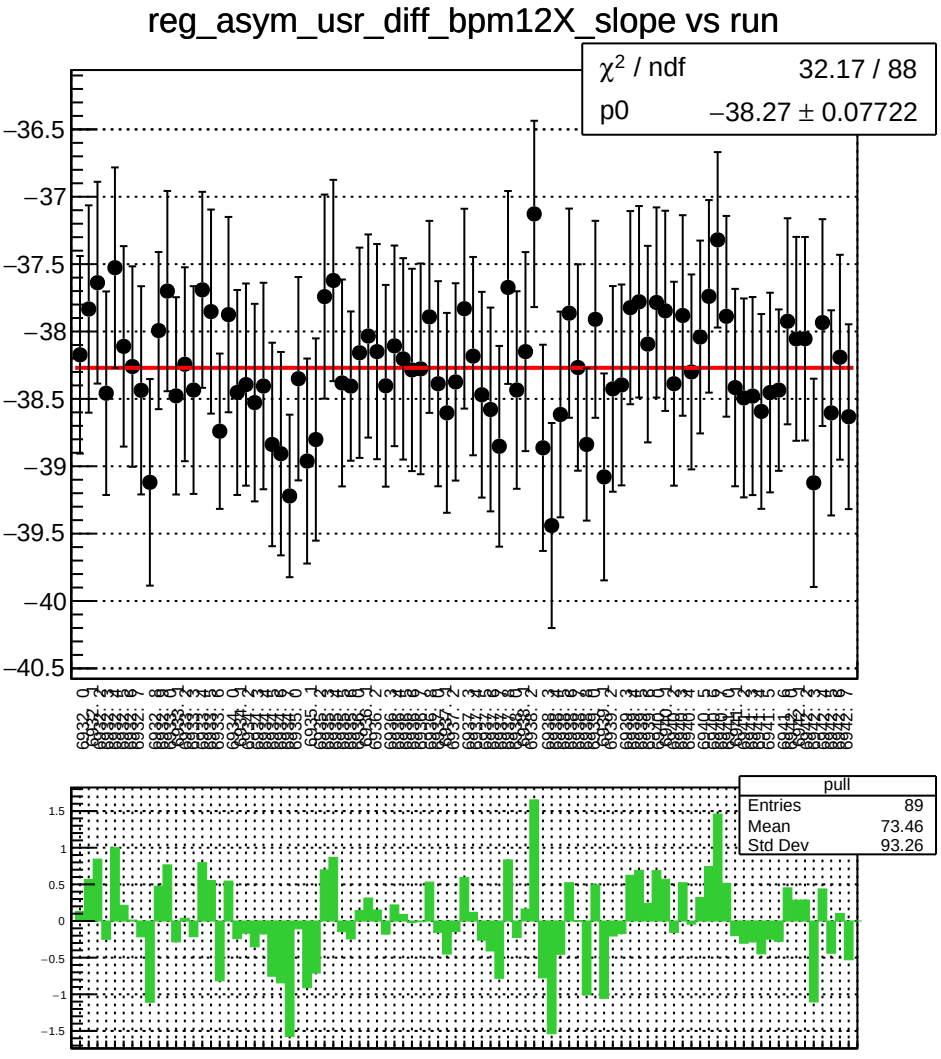

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 24.64 / 88
p0 1.033 ± 1.614
pull
Entries 89
Mean −629.2
Std Dev 671.2

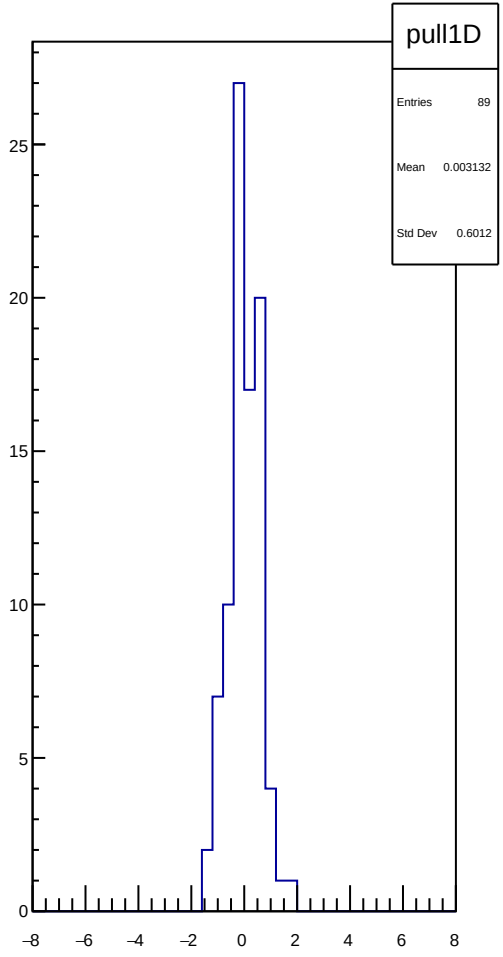

pull1D
Entries 89
Mean 0.004637
Std Dev 0.5262


reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 45.41 / 88
p0 120.8 ± 2.2
pull
Entries 89
Mean −81.72
Std Dev 120.9

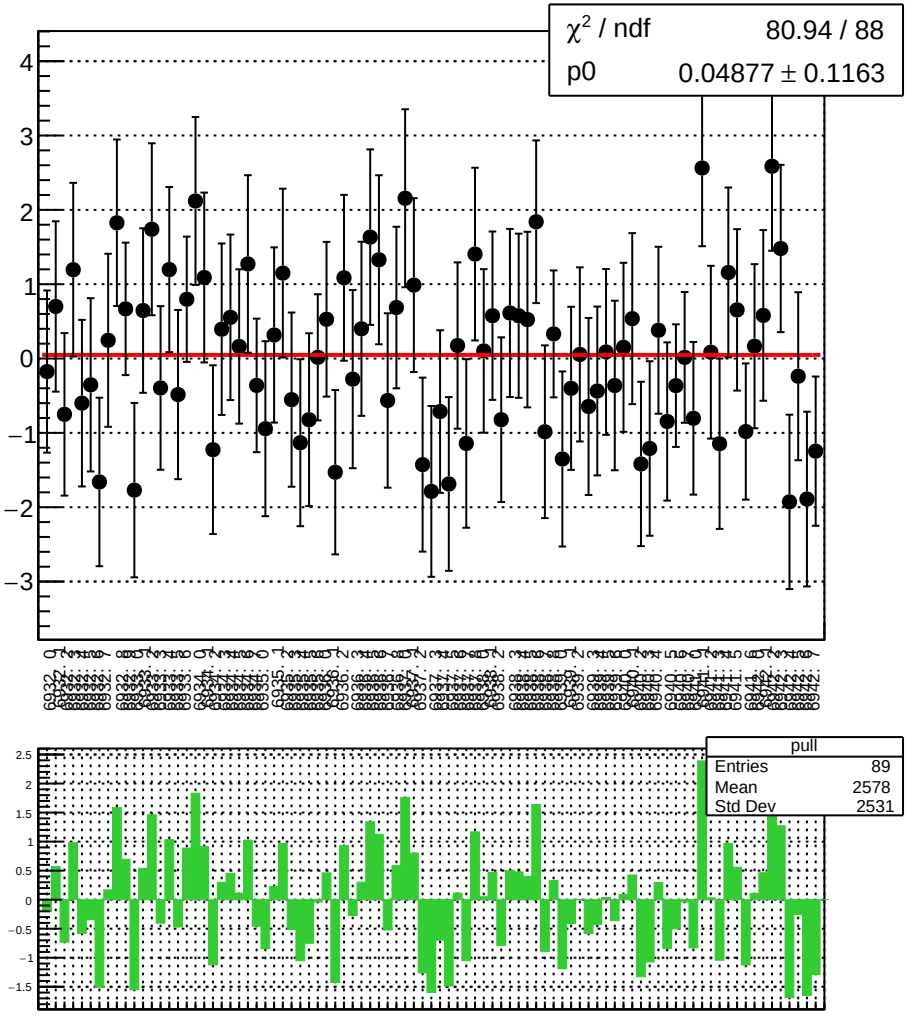

pull1D
Entries 89
Mean 0.02576
Std Dev 0.7139

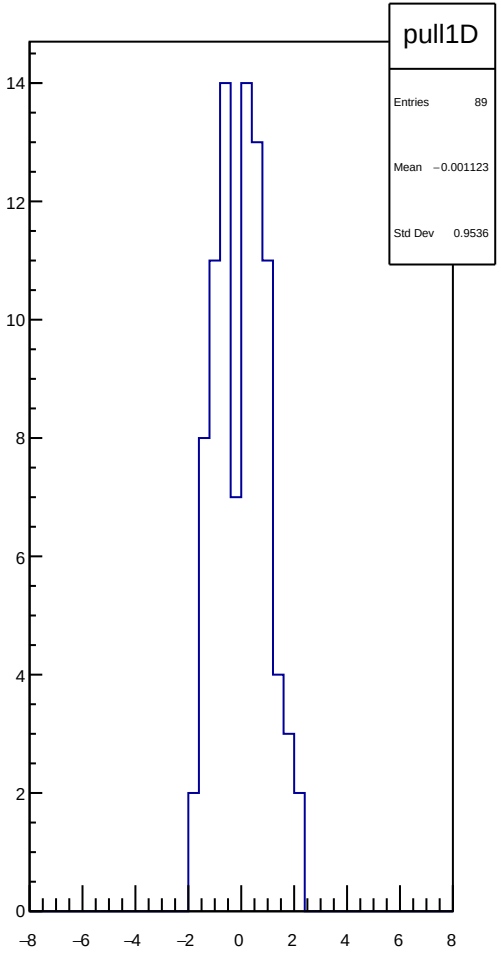

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 24.28 / 88
p0 17.65 ± 1.868
pull
Entries 89
Mean −1907
Std Dev 1952
pull1D
Entries 89
Mean −0.001576
Std Dev 0.5223

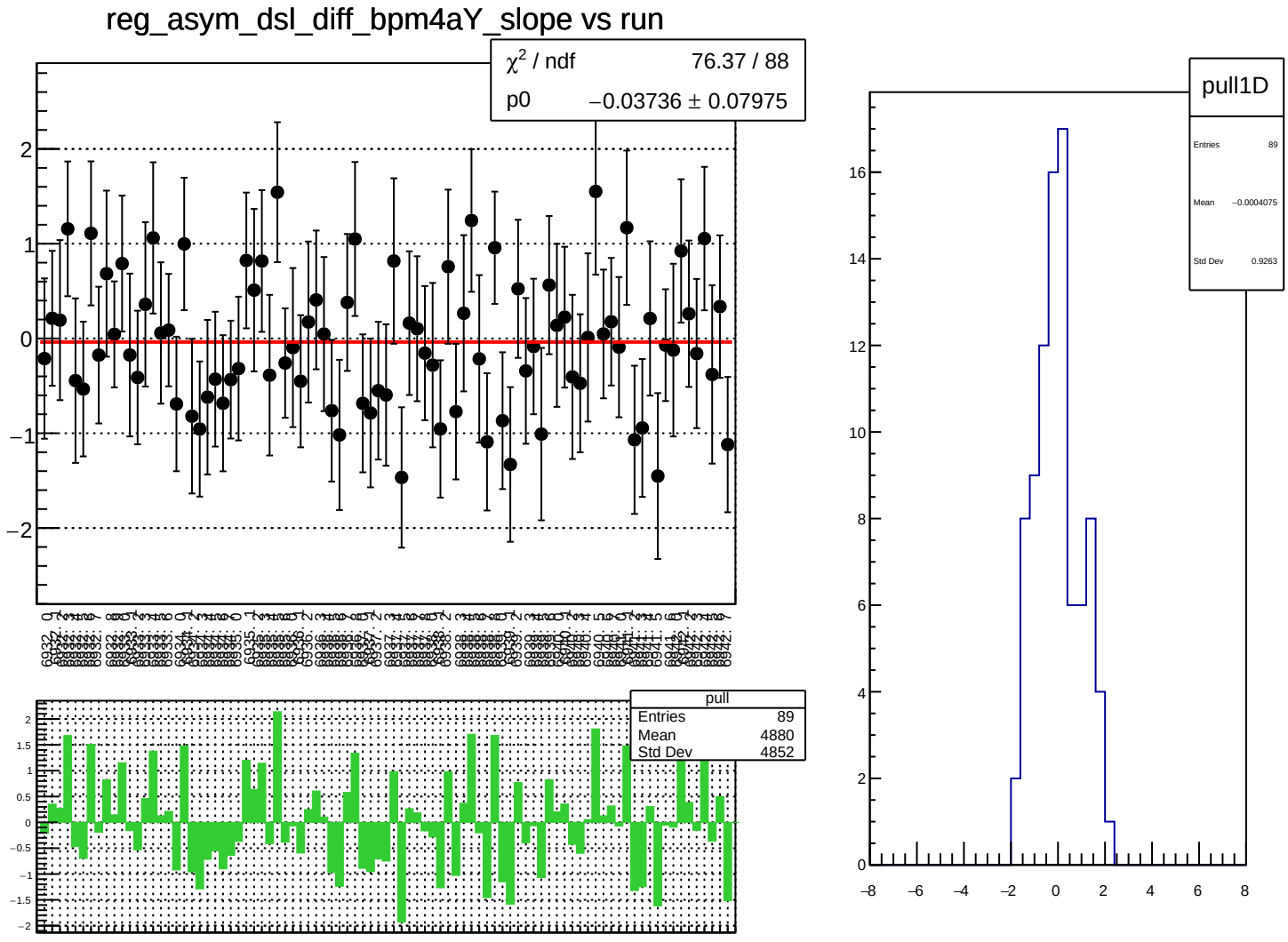

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 32.17 / 88
p0 −38.27 ± 0.07722
pull
Entries 89
Mean 73.46
Std Dev 93.26

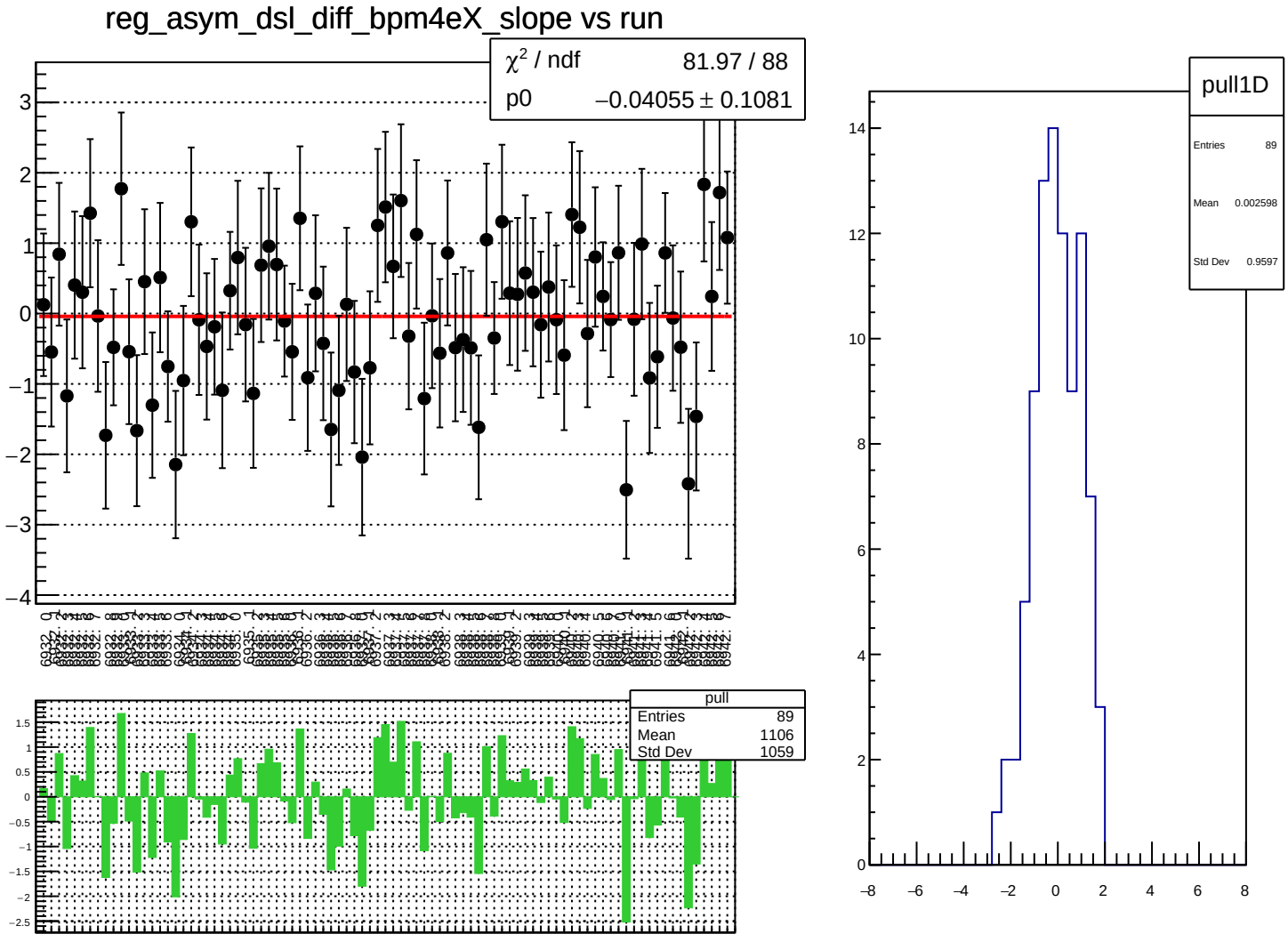

pull1D
Entries 89
Mean 0.003132
Std Dev 0.6012

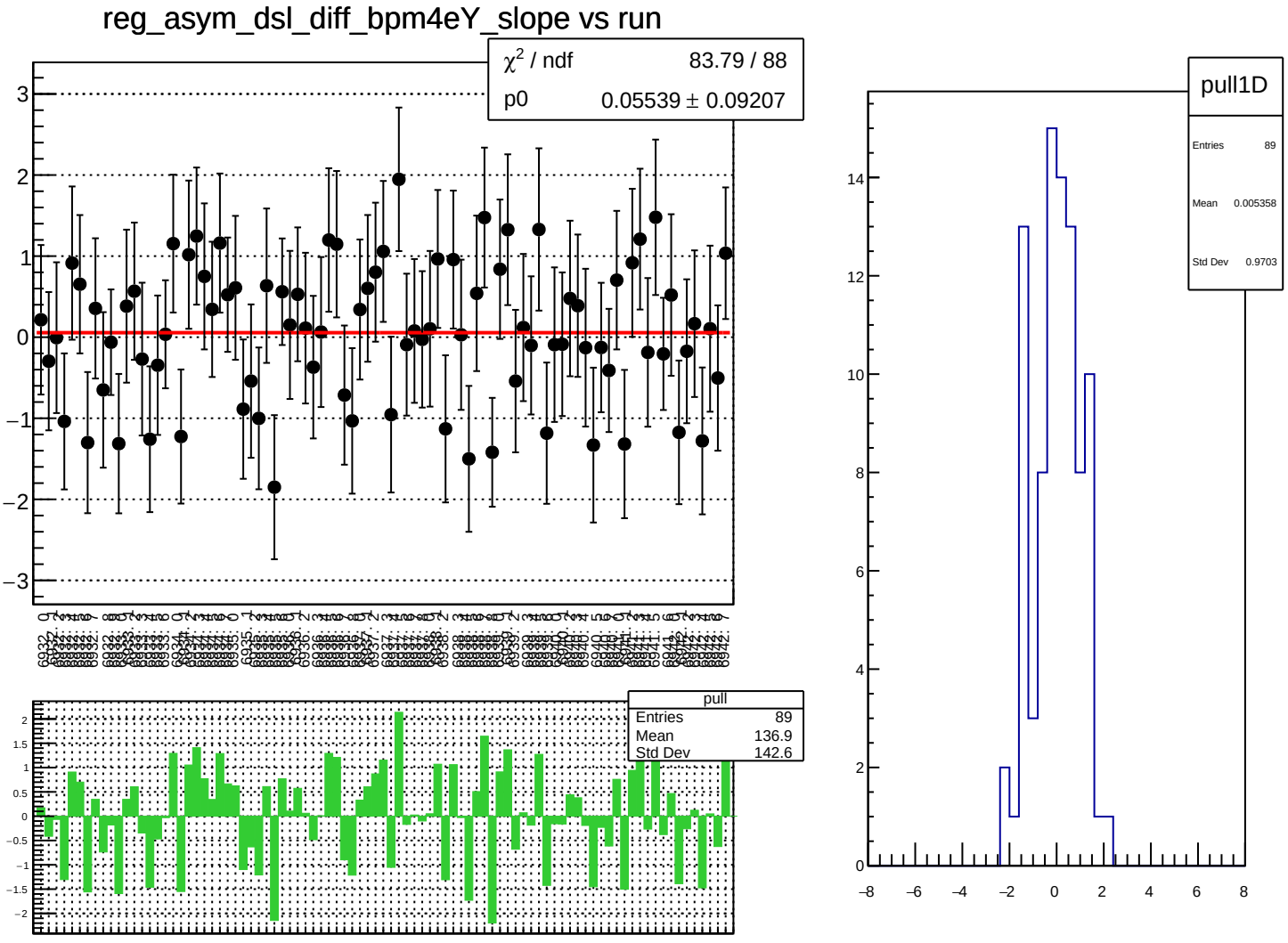
reg_asym_dsl_diff_bpm1X_slope vs run

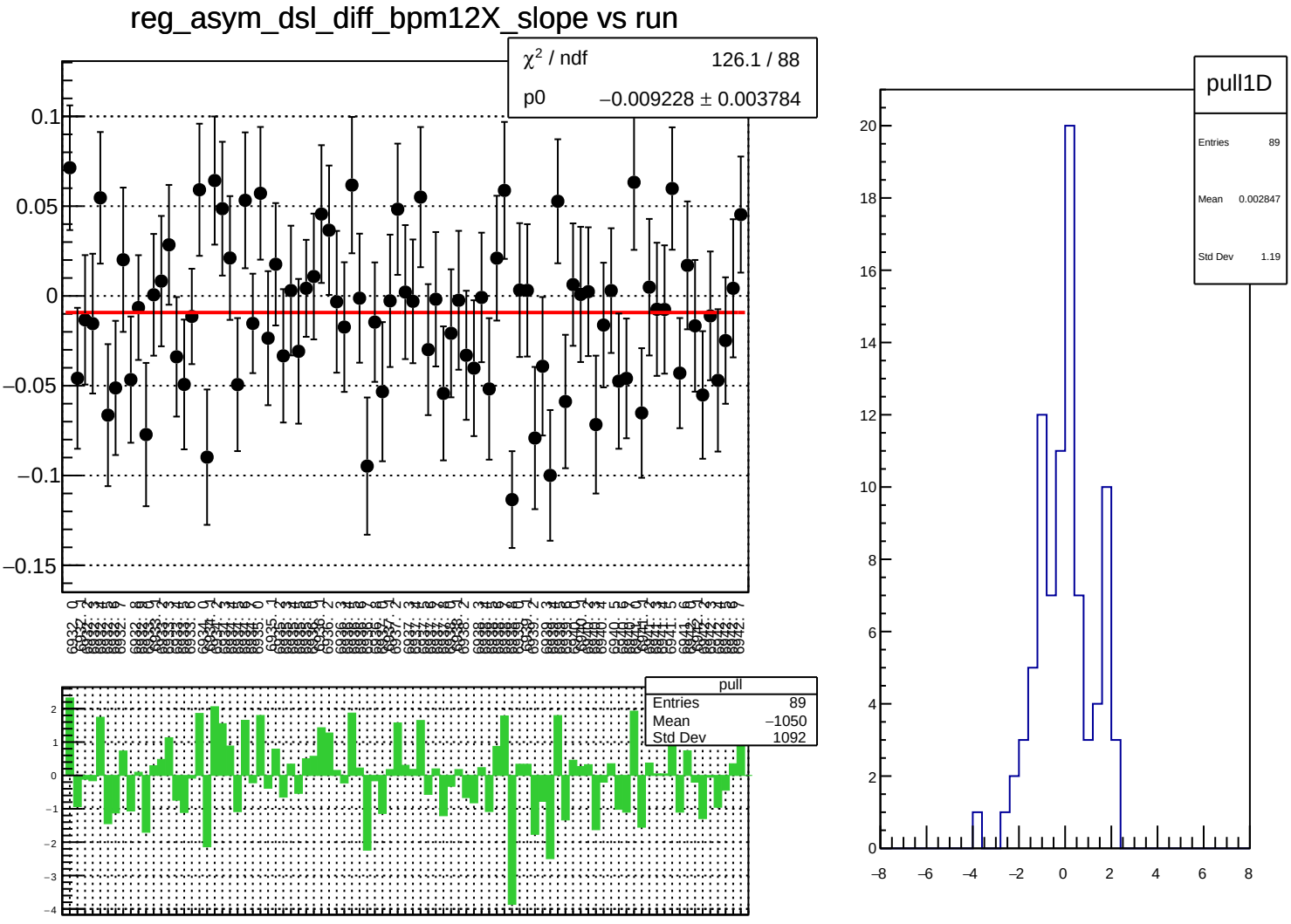


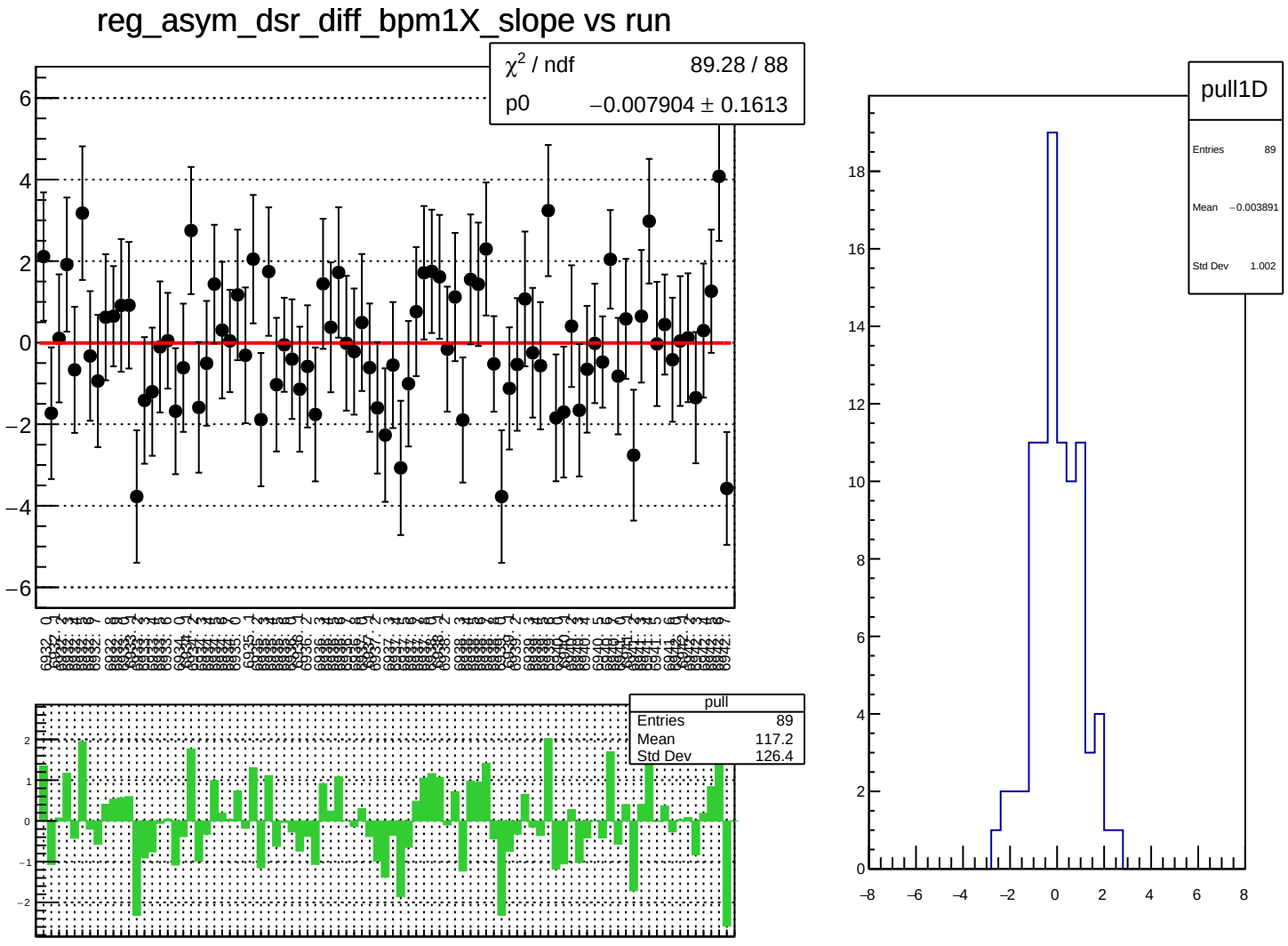


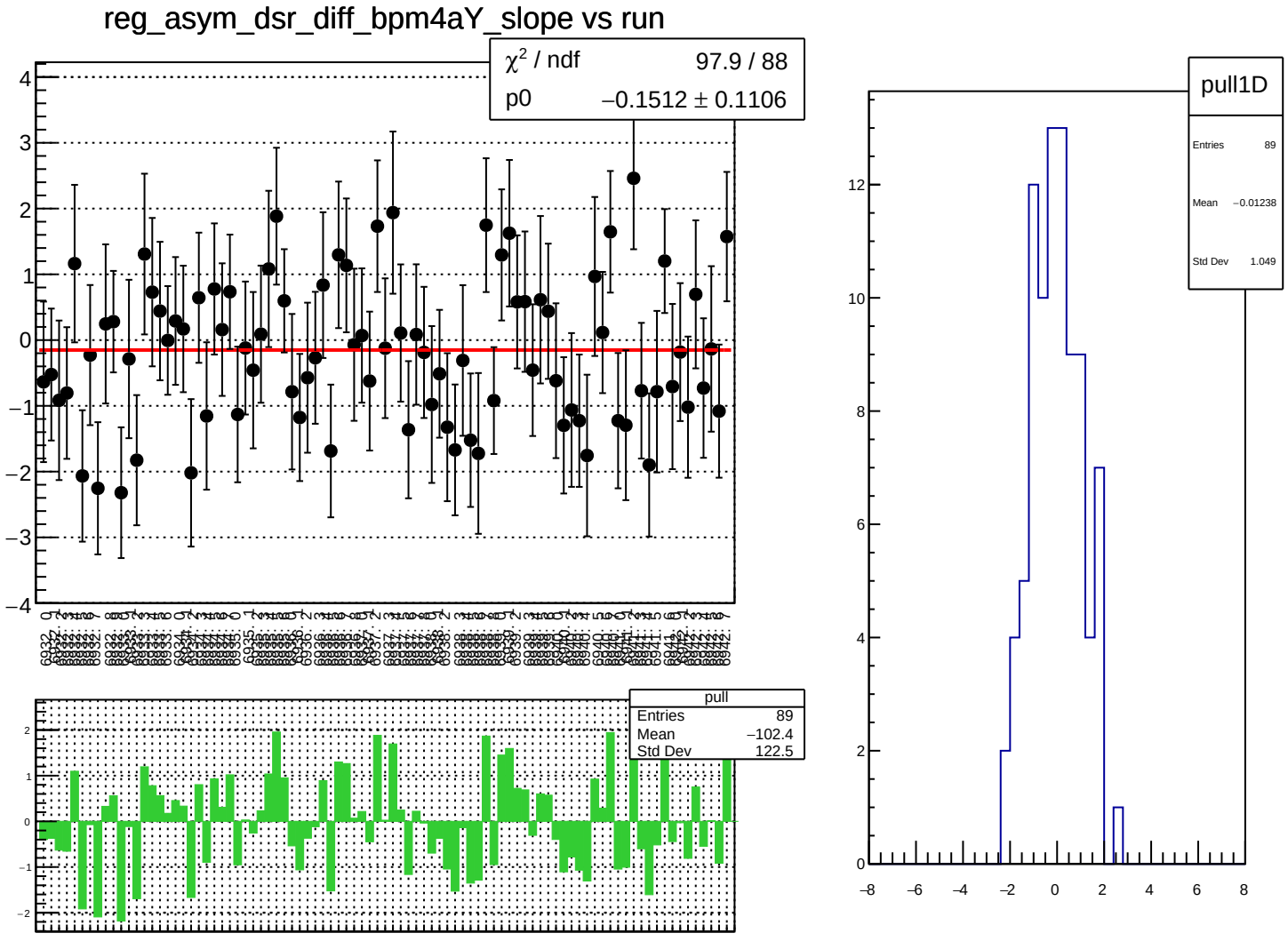

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 76.37 / 88
p0 −0.03736 ± 0.07975
pull
Entries 89
Mean 4880
Std Dev 4852
pull1D
Entries 89
Mean −0.0004075
Std Dev 0.9263

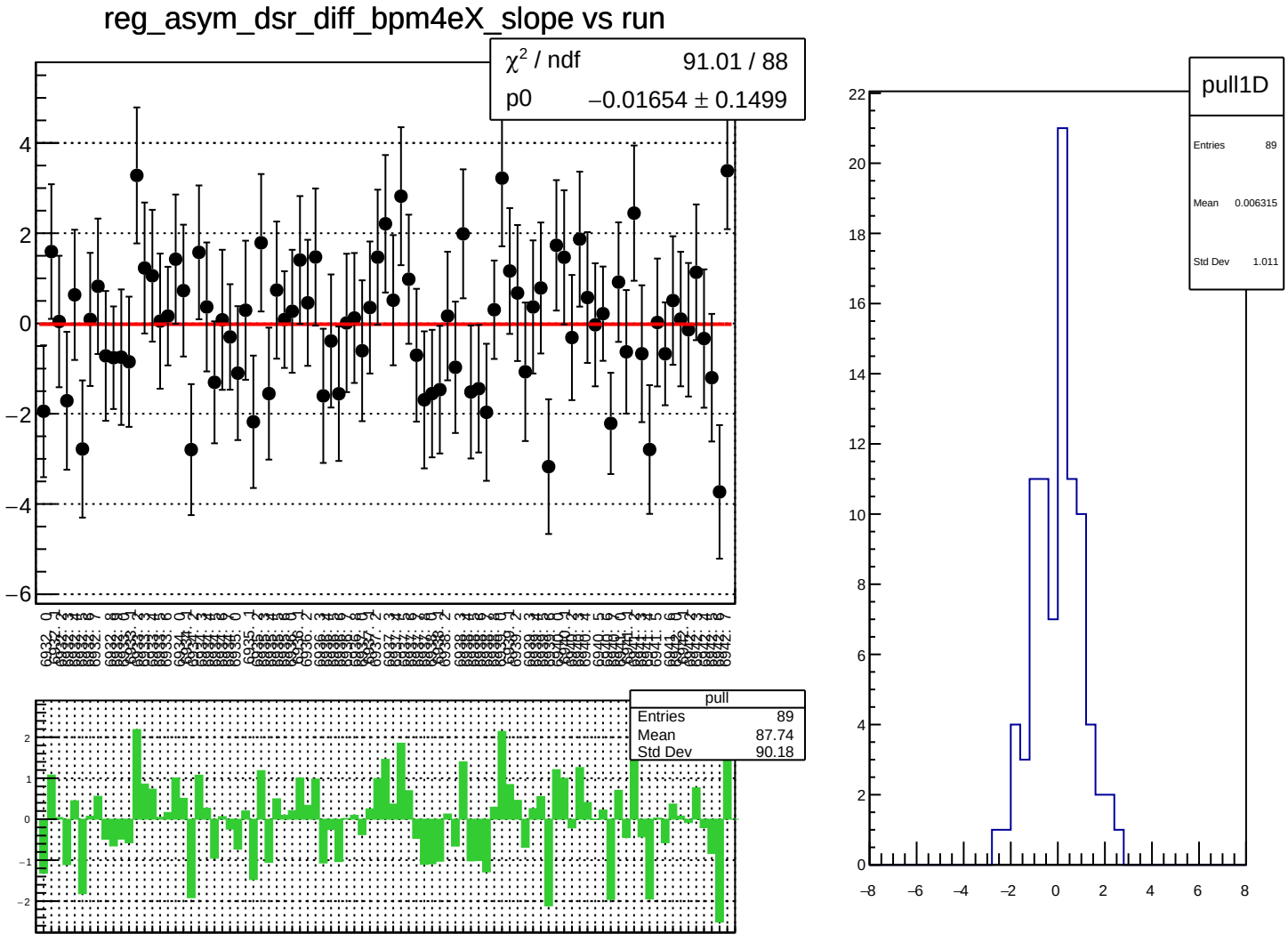

reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 81.97 / 88
p0 −0.04055 ± 0.1081
pull
Entries 89
Mean 1106
Std Dev 1059
pull1D
Entries 89
Mean 0.002598
Std Dev 0.9597

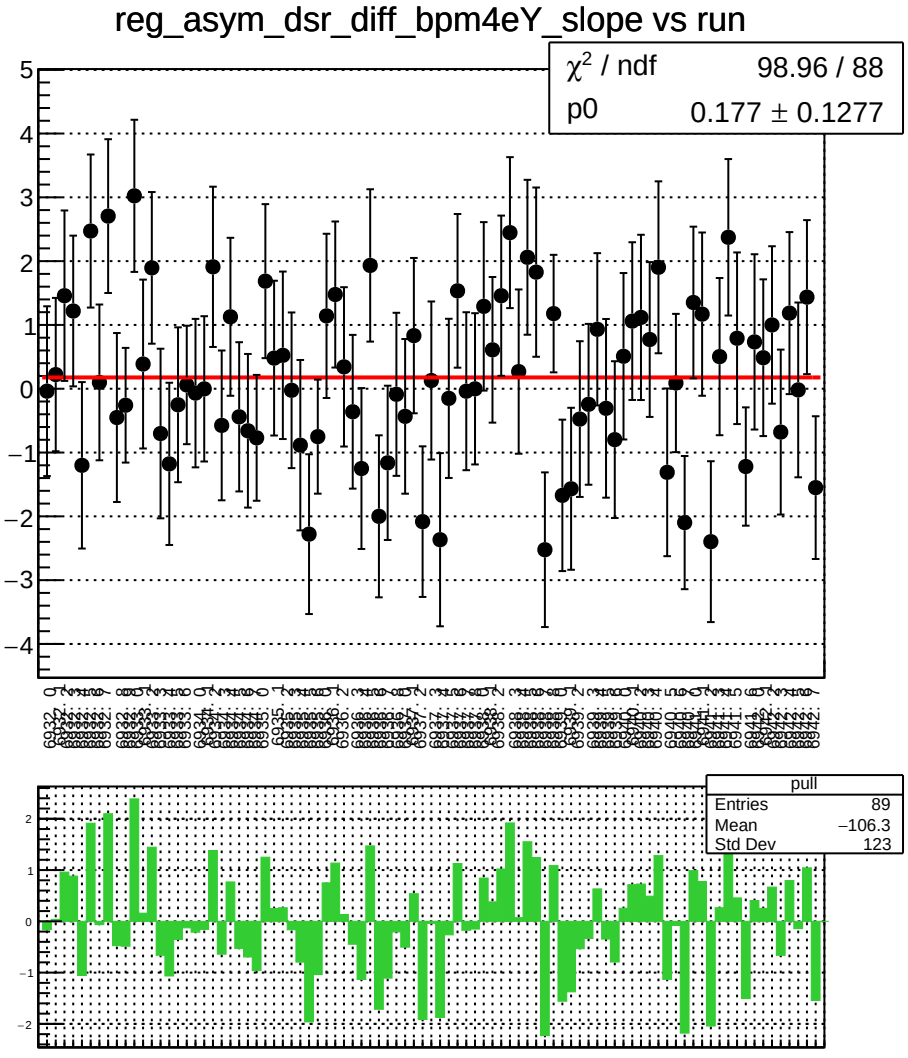

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 83.79 / 88
p0 0.05539 ± 0.09207
pull
Entries 89
Mean 136.9
Std Dev 142.6
pull1D
Entries 89
Mean 0.005358
Std Dev 0.9703

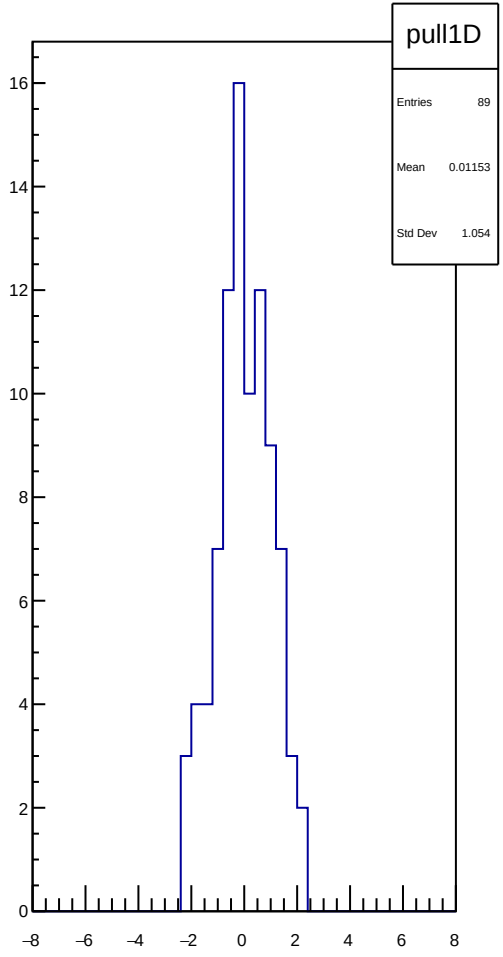

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 126.1 / 88
p0 −0.009228 ± 0.003784
pull
Entries 89
Mean −1050
Std Dev 1092
pull1D
Entries 89
Mean 0.002847
Std Dev 1.19

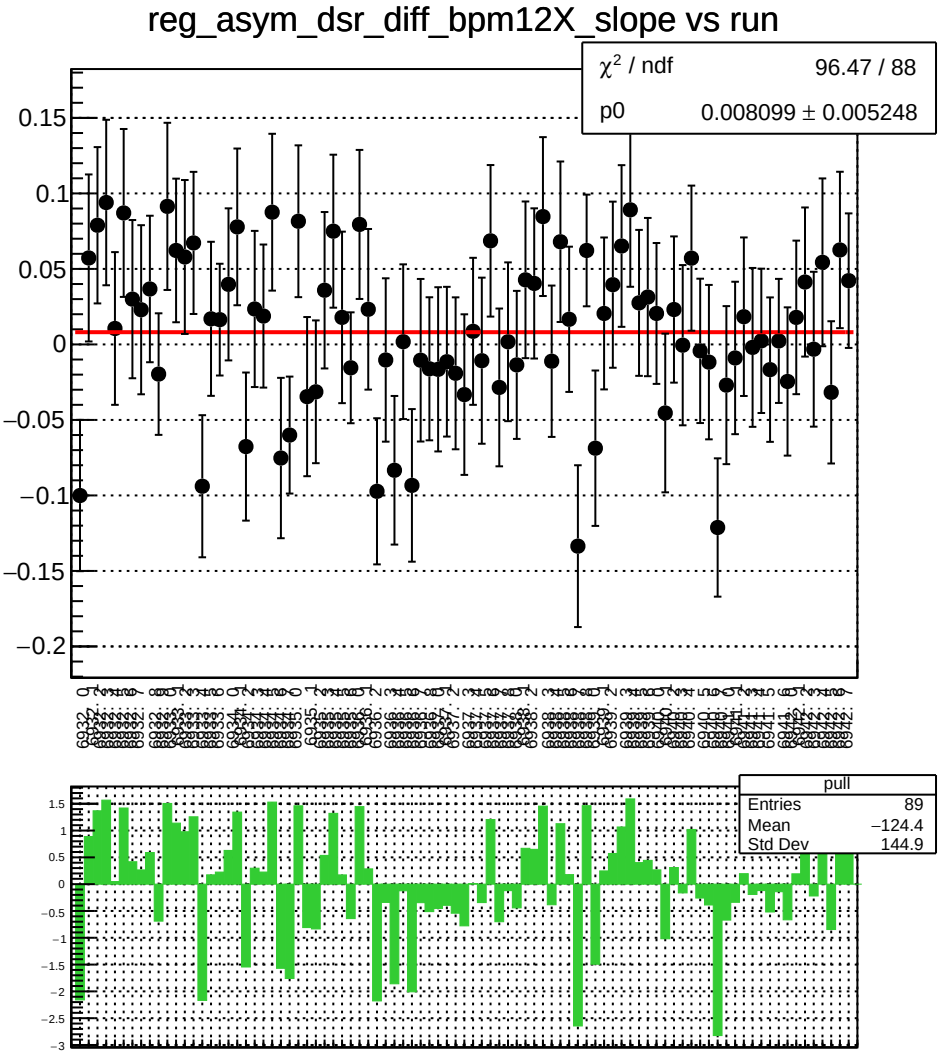

reg_asym_dsr_diff_bpm1X_slope vs run
χ^2 / ndf 89.28 / 88
p0 −0.007904 ± 0.1613
pull
Entries 89
Mean 117.2
Std Dev 126.4
pull1D
Entries 89
Mean −0.003891
Std Dev 1.002

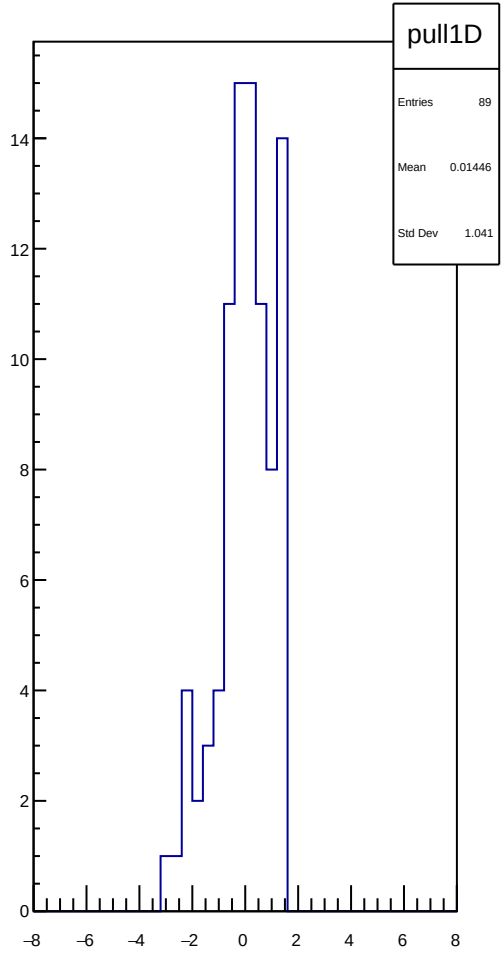

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 97.9 / 88
p0 −0.1512 ± 0.1106
pull
Entries 89
Mean −102.4
Std Dev 122.5
pull1D
Entries 89
Mean −0.01238
Std Dev 1.049

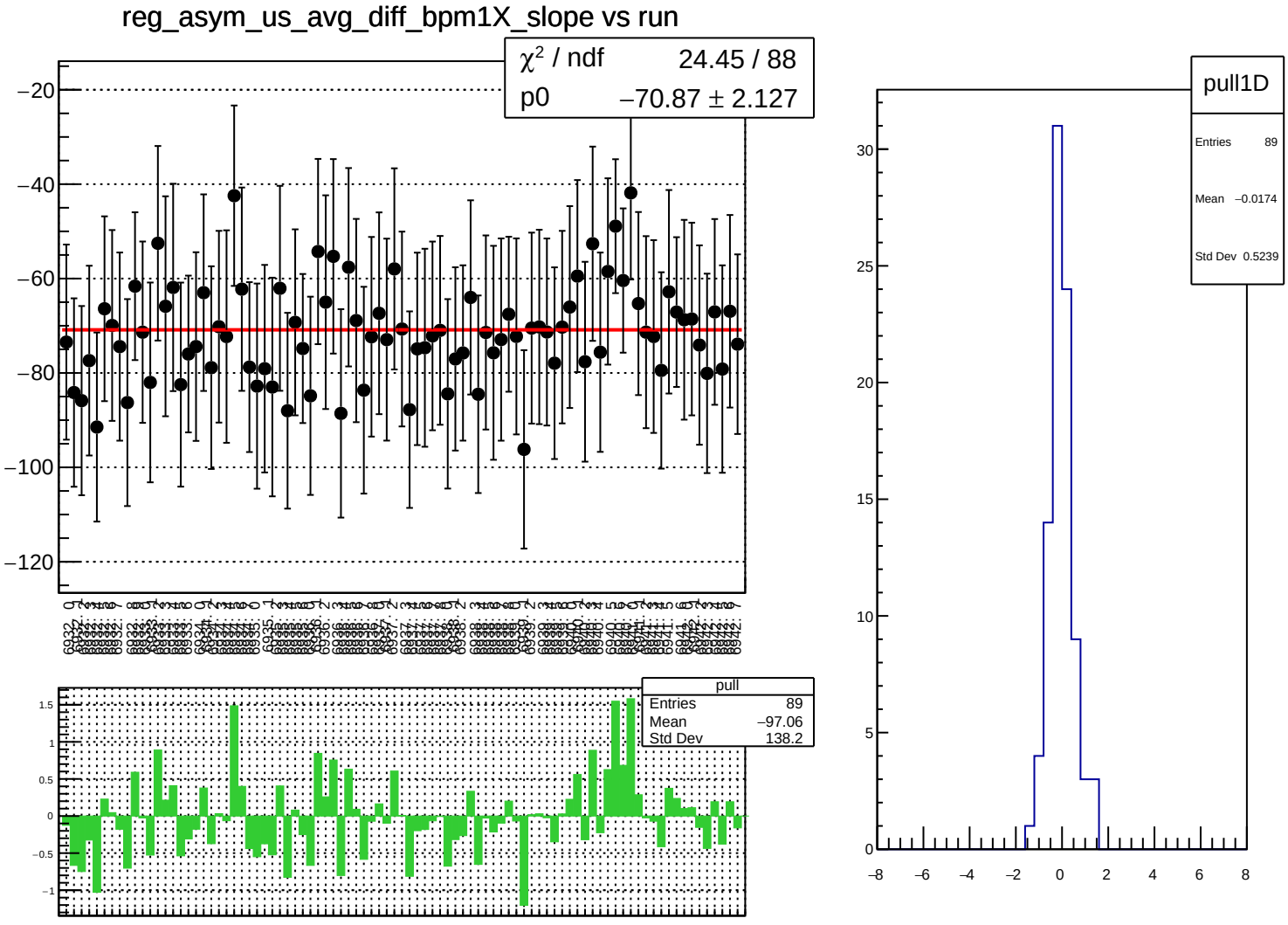

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 91.01 / 88
p0 −0.01654 ± 0.1499
pull
Entries 89
Mean 87.74
Std Dev 90.18
pull1D
Entries 89
Mean 0.006315
Std Dev 1.011

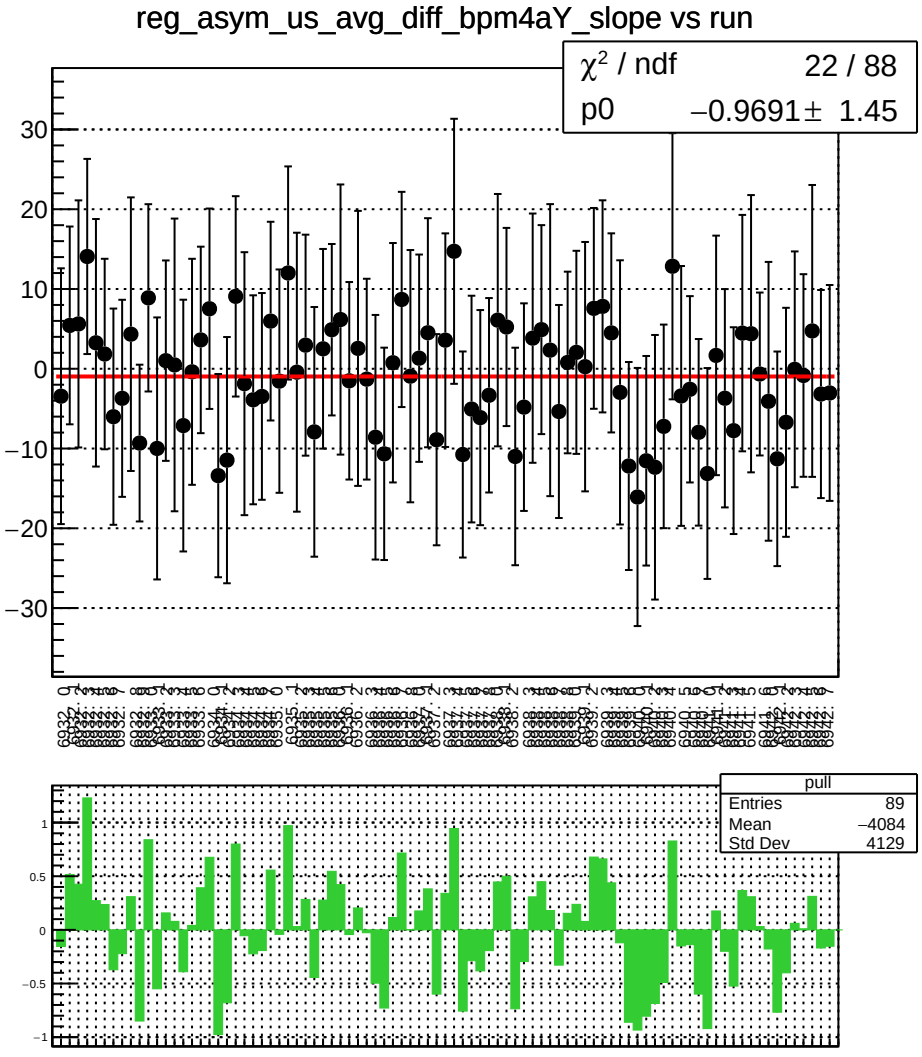

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 98.96 / 88
p0 0.177 ± 0.1277
pull
Entries 89
Mean −106.3
Std Dev 123

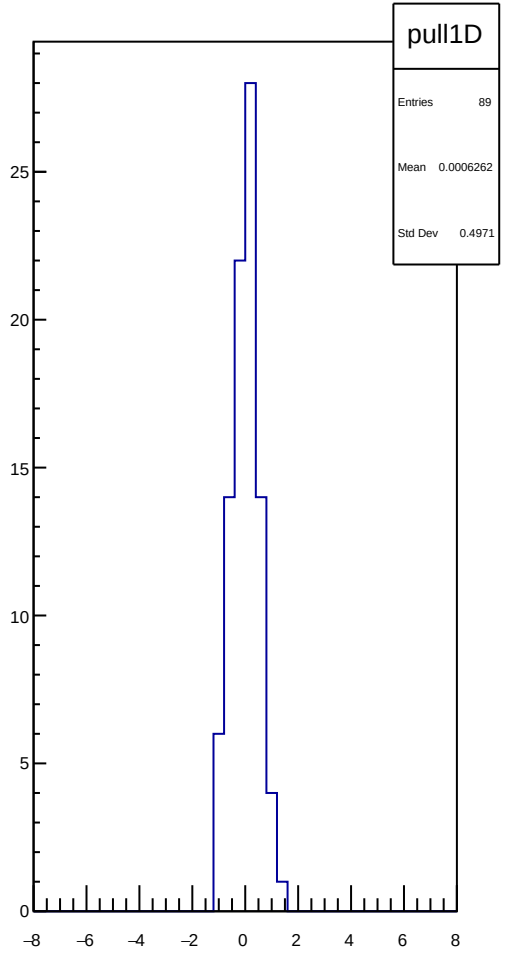

pull1D
Entries 89
Mean 0.01153
Std Dev 1.054

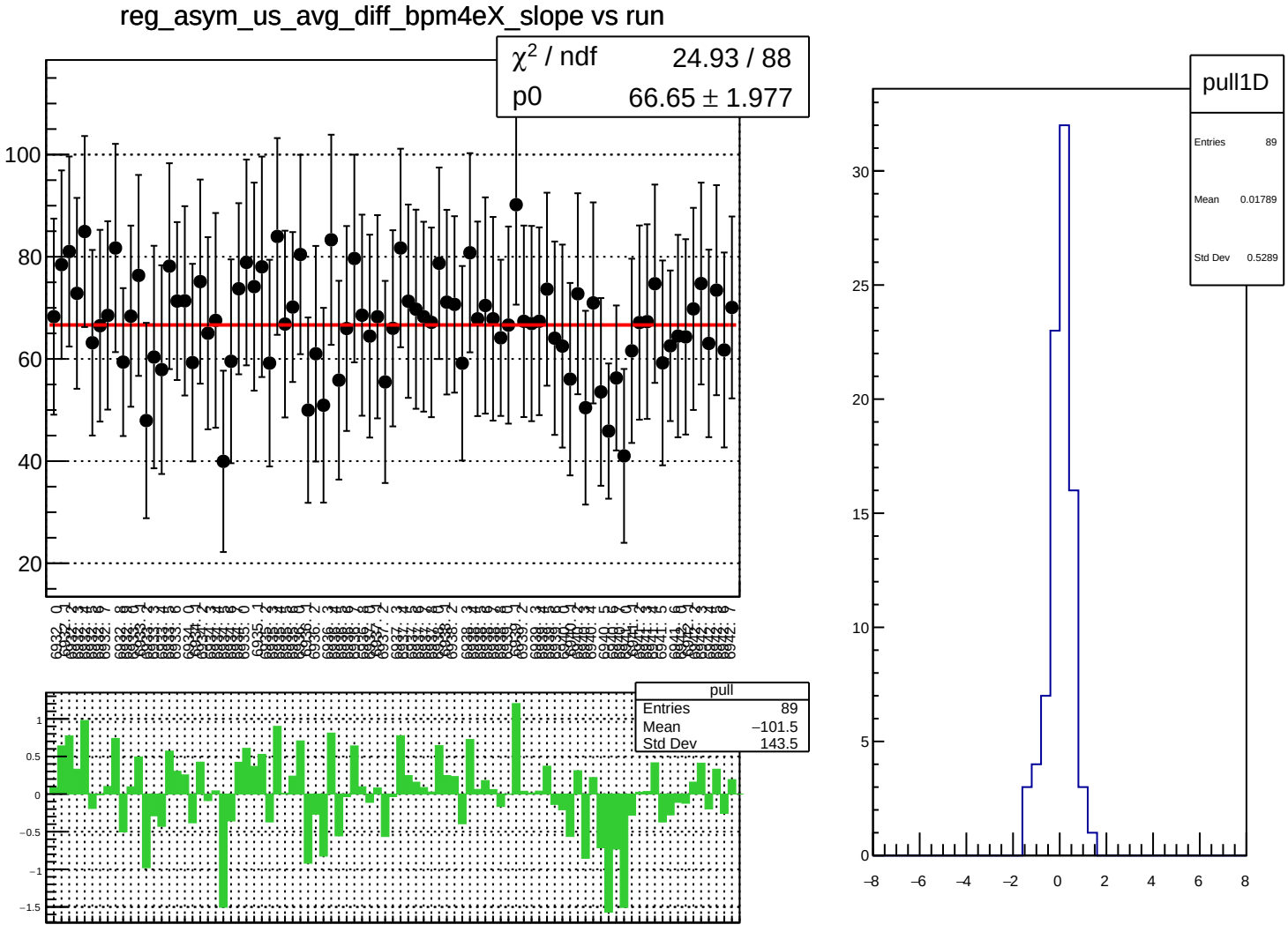

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 96.47 / 88
p0 0.008099 ± 0.005248
pull
Entries 89
Mean −124.4
Std Dev 144.9

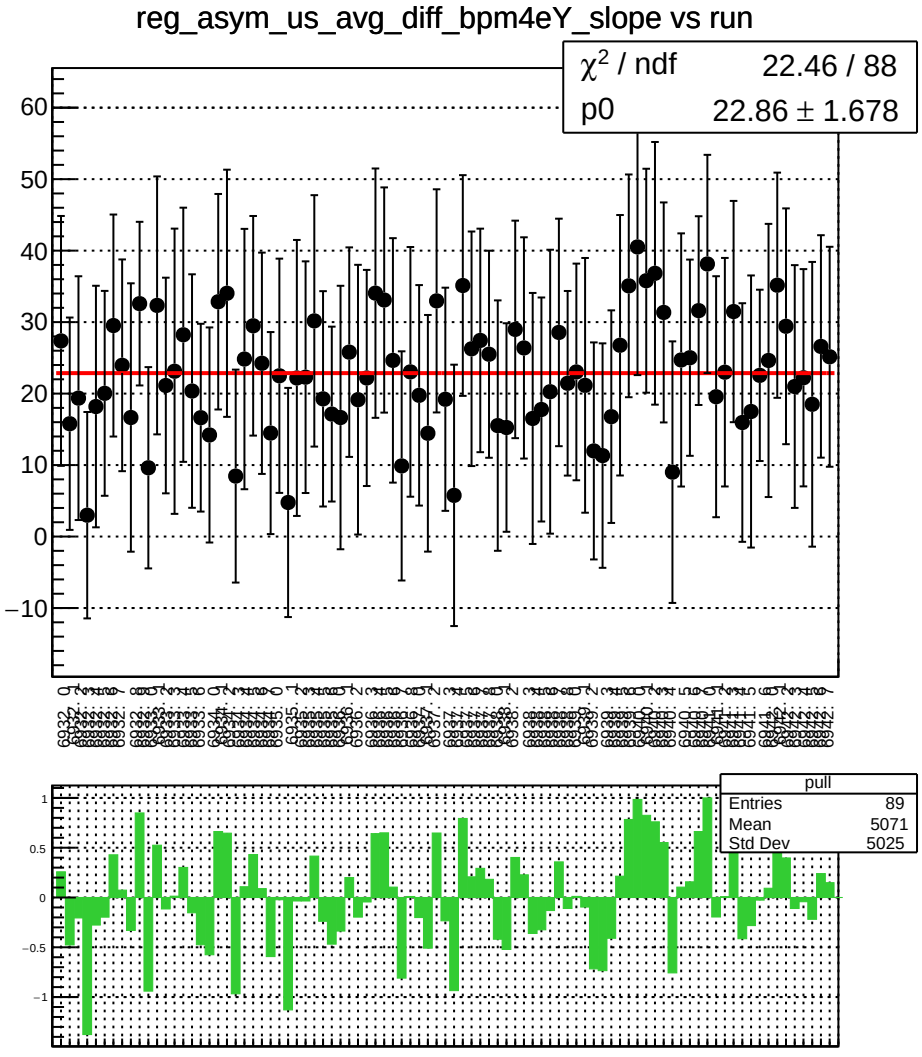

pull1D
Entries 89
Mean 0.01446
Std Dev 1.041

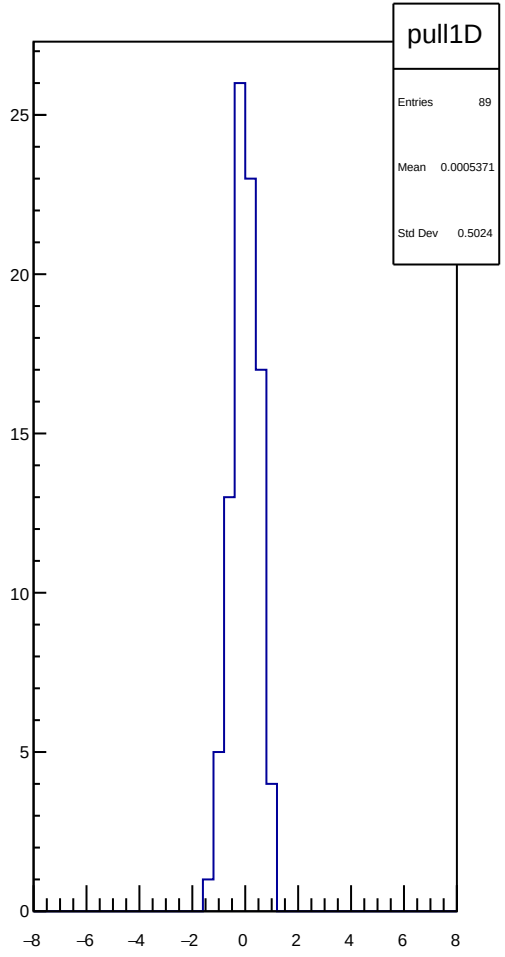

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.45 / 88
p0 −70.87 ± 2.127
pull
Entries 89
Mean −97.06
Std Dev 138.2
pull1D
Entries 89
Mean −0.0174
Std Dev 0.5239

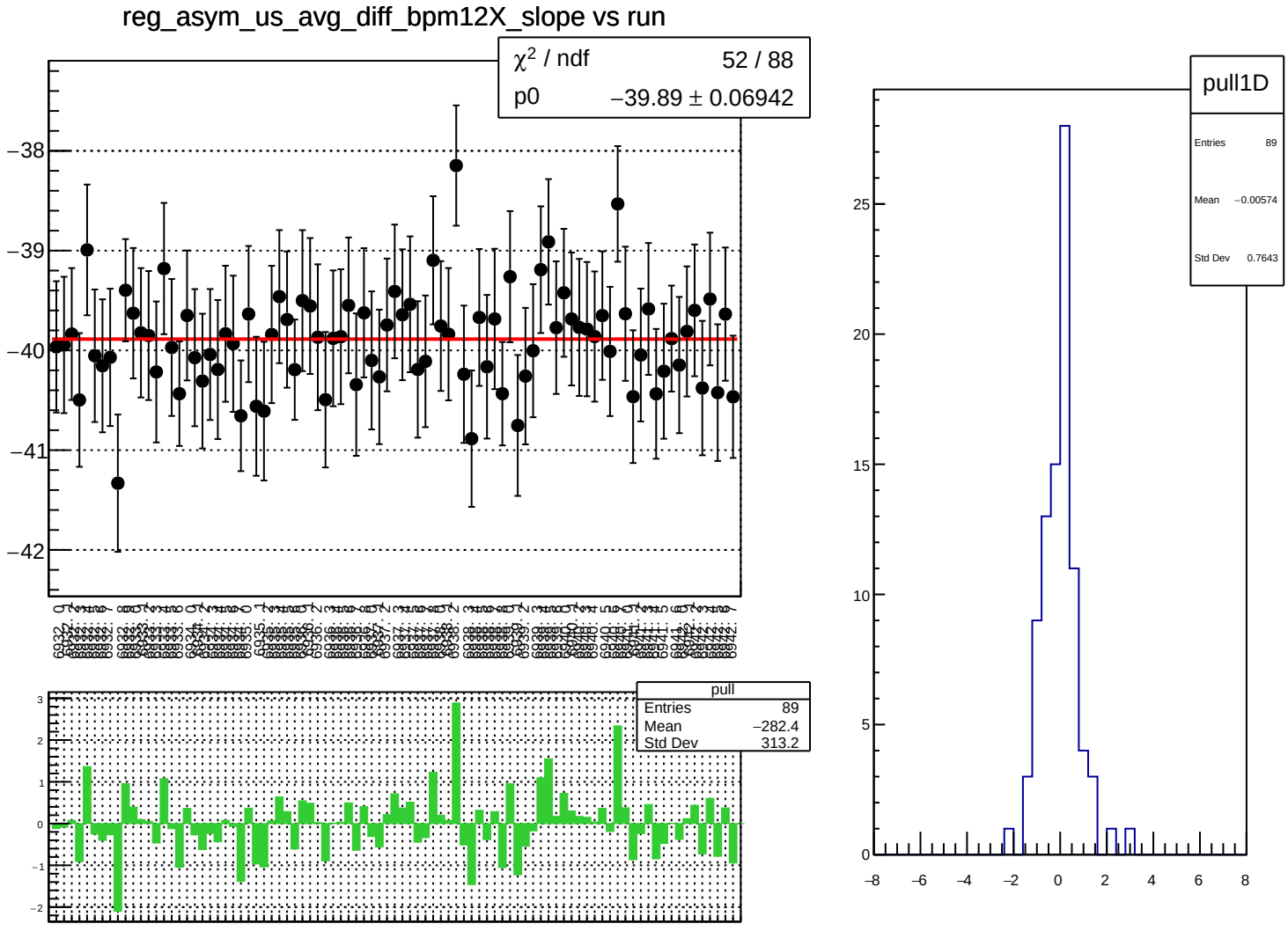

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 22 / 88
p0 −0.9691 ± 1.45
pull
Entries 89
Mean −4084
Std Dev 4129

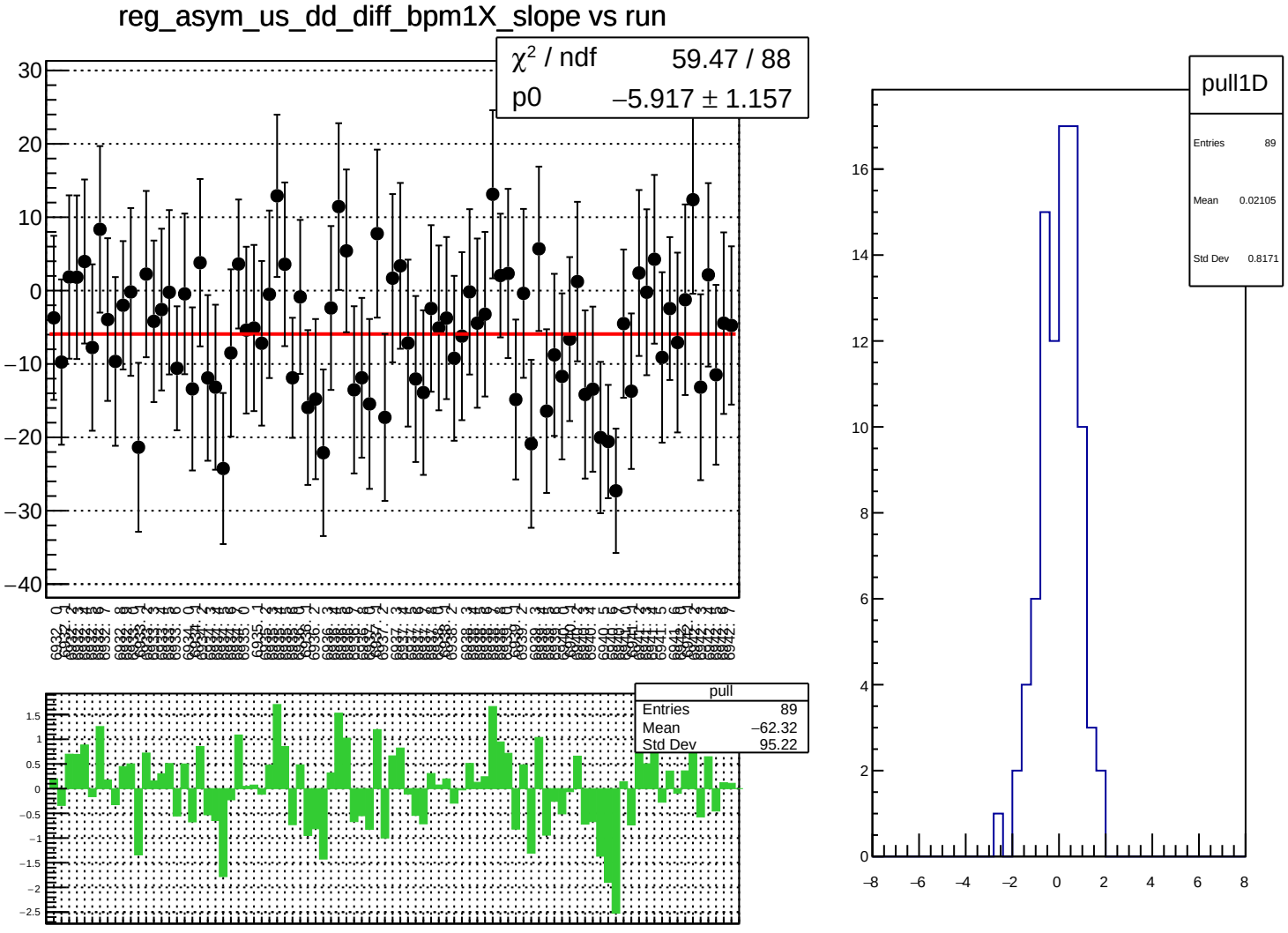

pull1D
Entries 89
Mean 0.0006262
Std Dev 0.4971

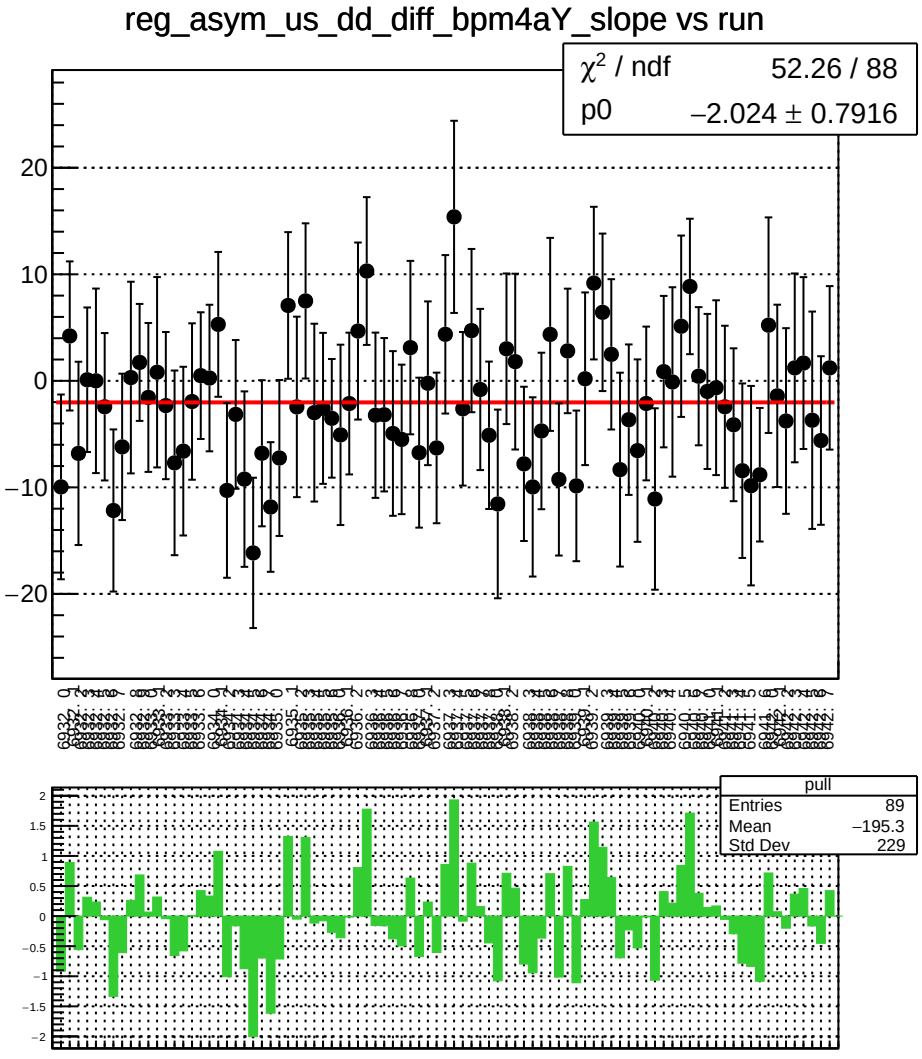

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.93 / 88
p0 66.65 ± 1.977
pull
Entries 89
Mean −101.5
Std Dev 143.5
pull1D
Entries 89
Mean 0.01789
Std Dev 0.5289

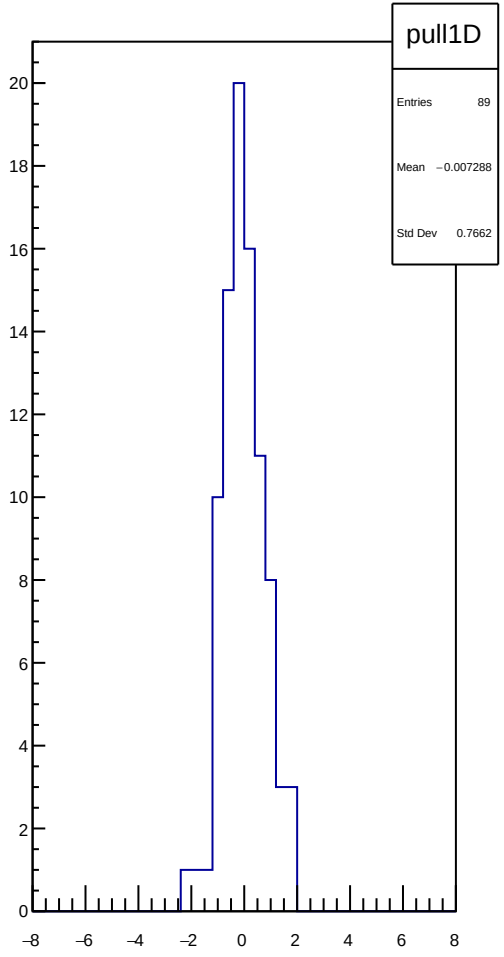

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 22.46 / 88
p0 22.86 ± 1.678
pull
Entries 89
Mean 5071
Std Dev 5025

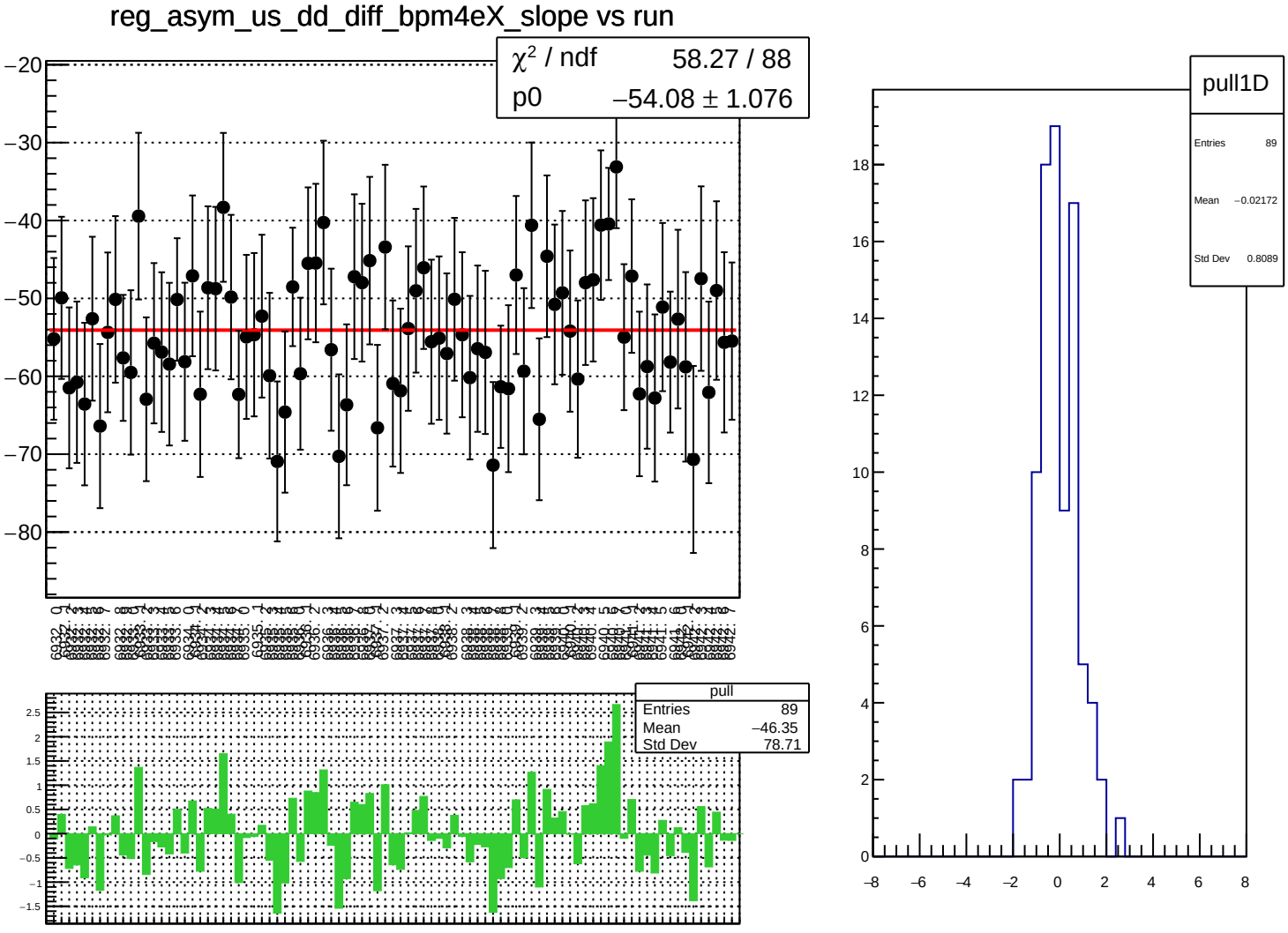

pull1D
Entries 89
Mean 0.0005371
Std Dev 0.5024

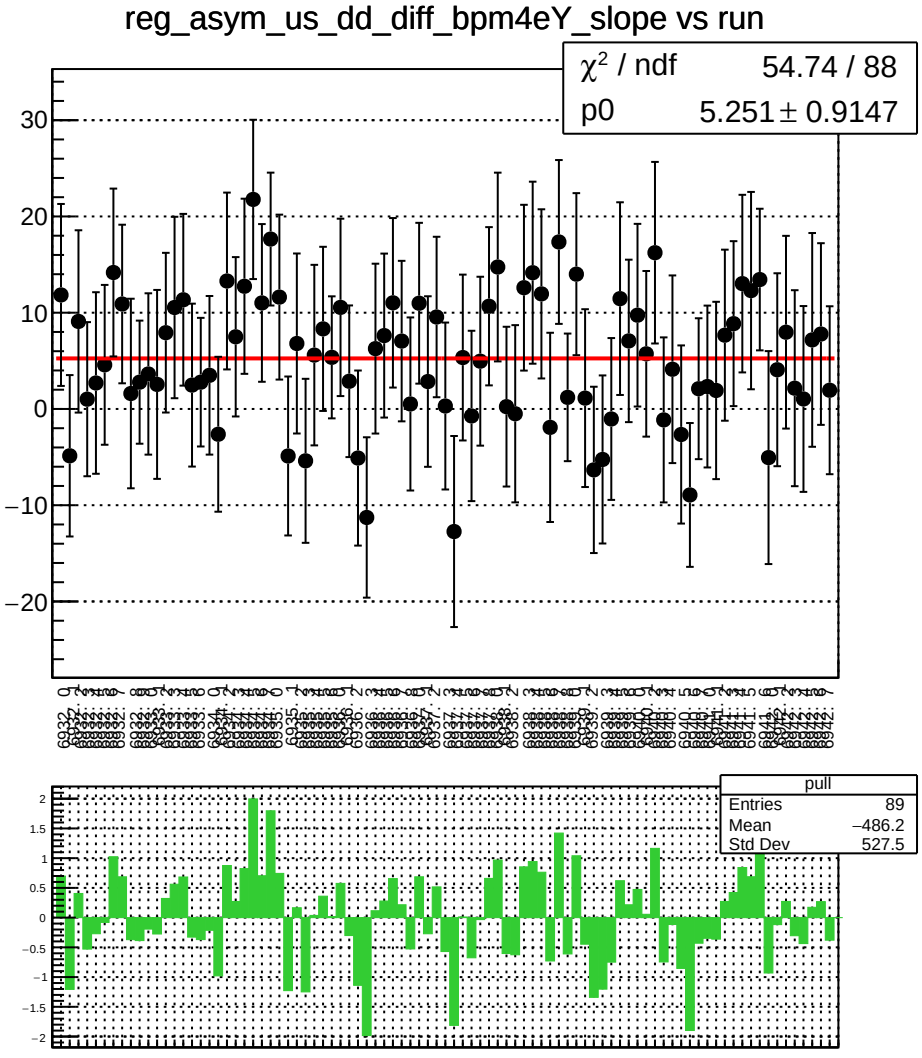

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 52 / 88
p0 −39.89 ± 0.06942
pull
Entries 89
Mean −282.4
Std Dev 313.2
pull1D
Entries 89
Mean −0.00574
Std Dev 0.7643

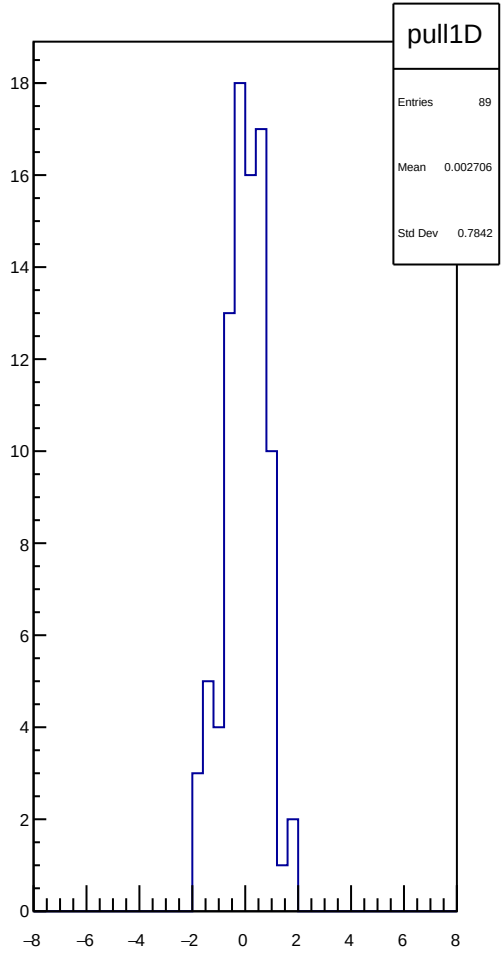

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 59.47 / 88
p0 −5.917 ± 1.157
pull
Entries 89
Mean −62.32
Std Dev 95.22
pull1D
Entries 89
Mean 0.02105
Std Dev 0.8171

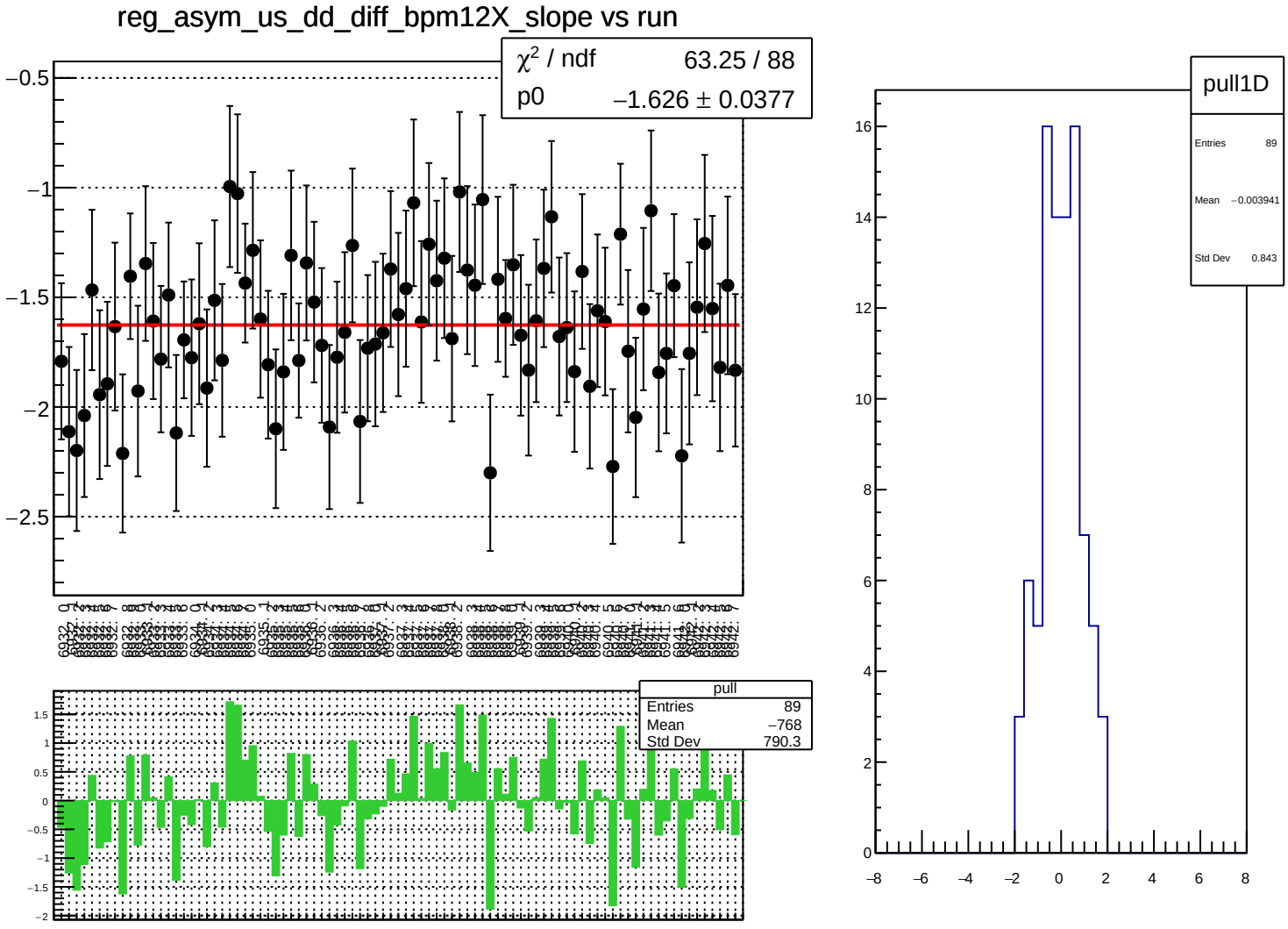

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.26 / 88
p0 −2.024 ± 0.7916
pull
Entries 89
Mean −195.3
Std Dev 229

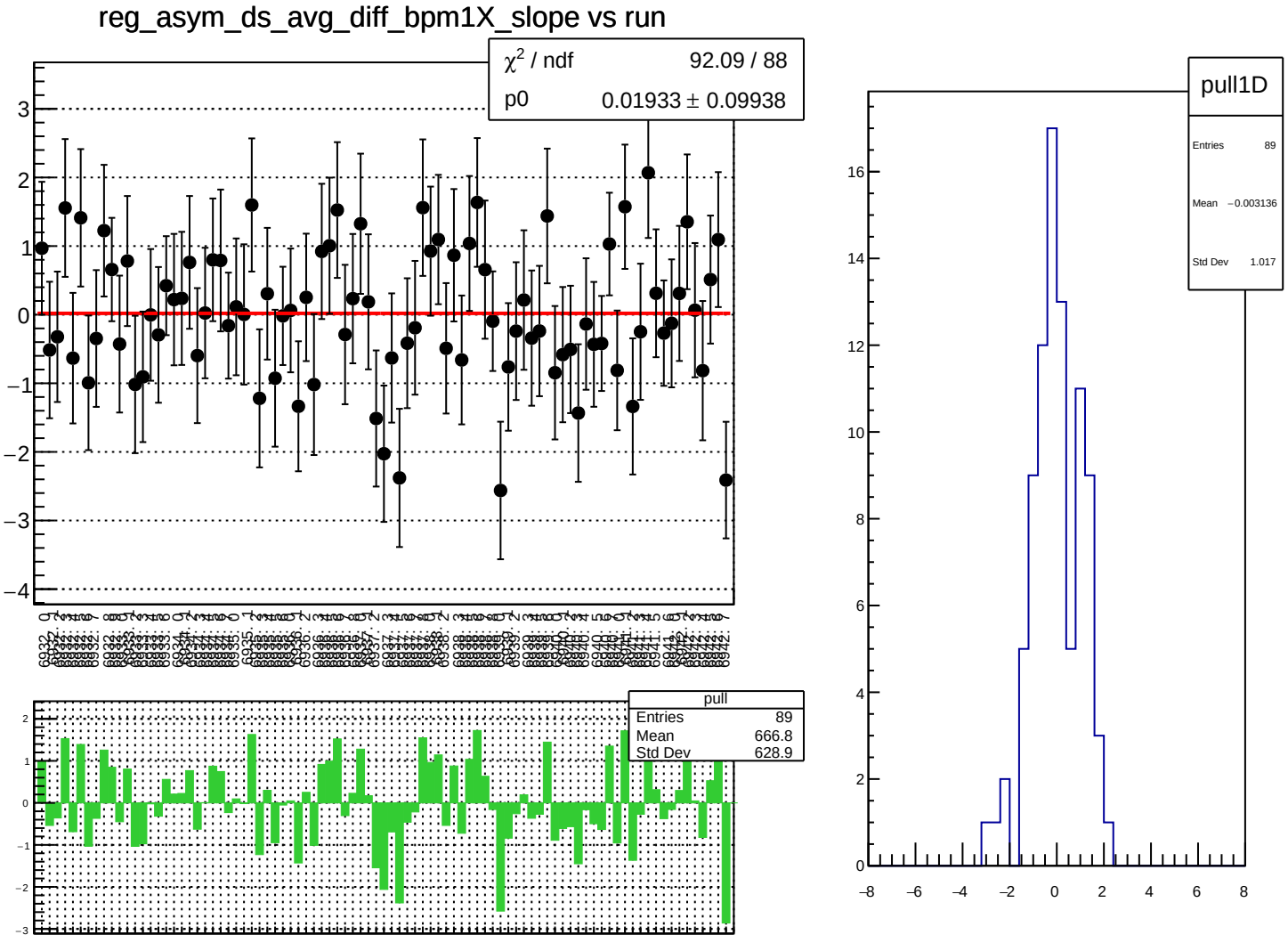

pull1D
Entries 89
Mean −0.007288
Std Dev 0.7662

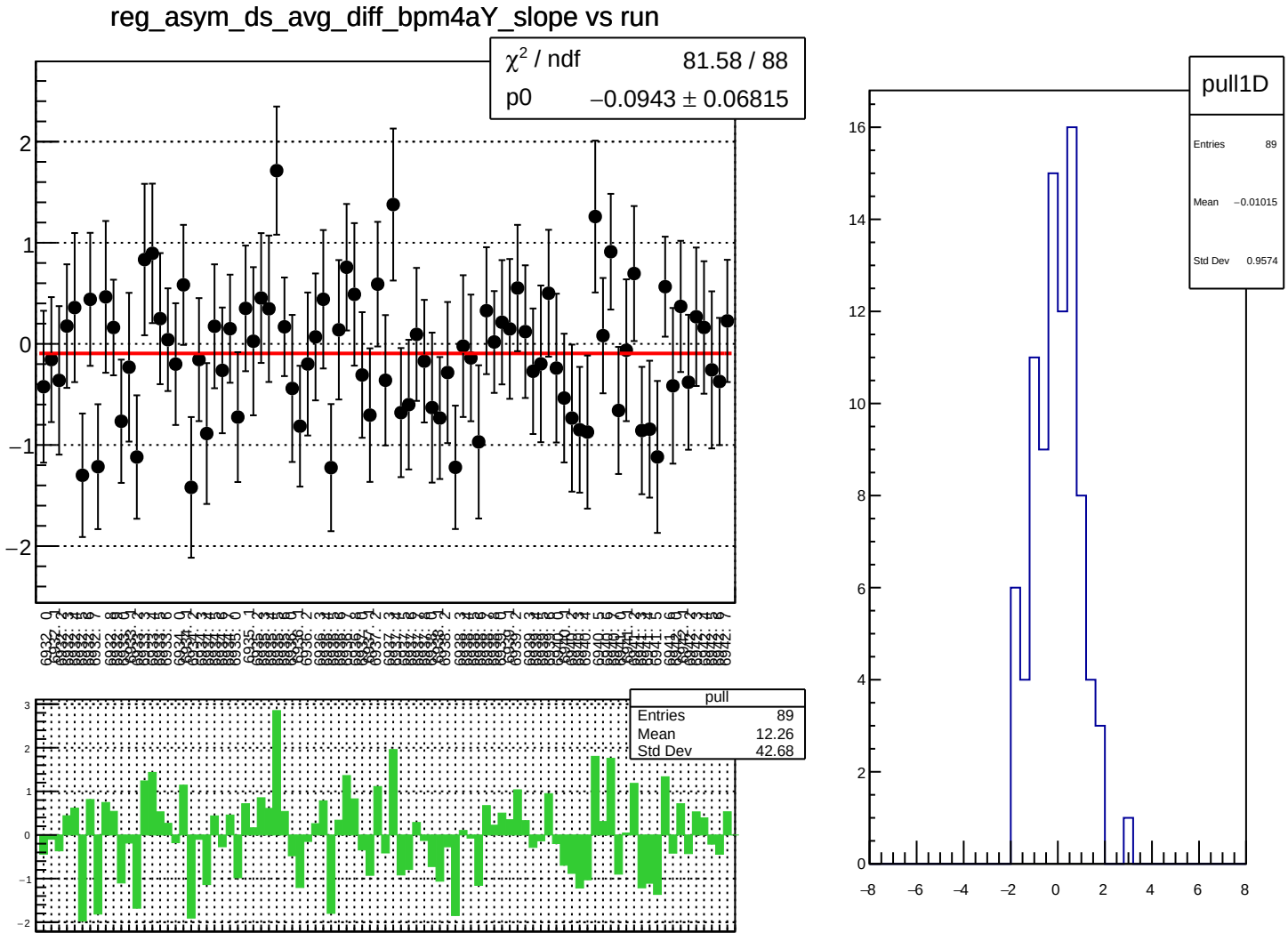

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.27 / 88
p0 −54.08 ± 1.076
pull
Entries 89
Mean −46.35
Std Dev 78.71
pull1D
Entries 89
Mean −0.02172
Std Dev 0.8089

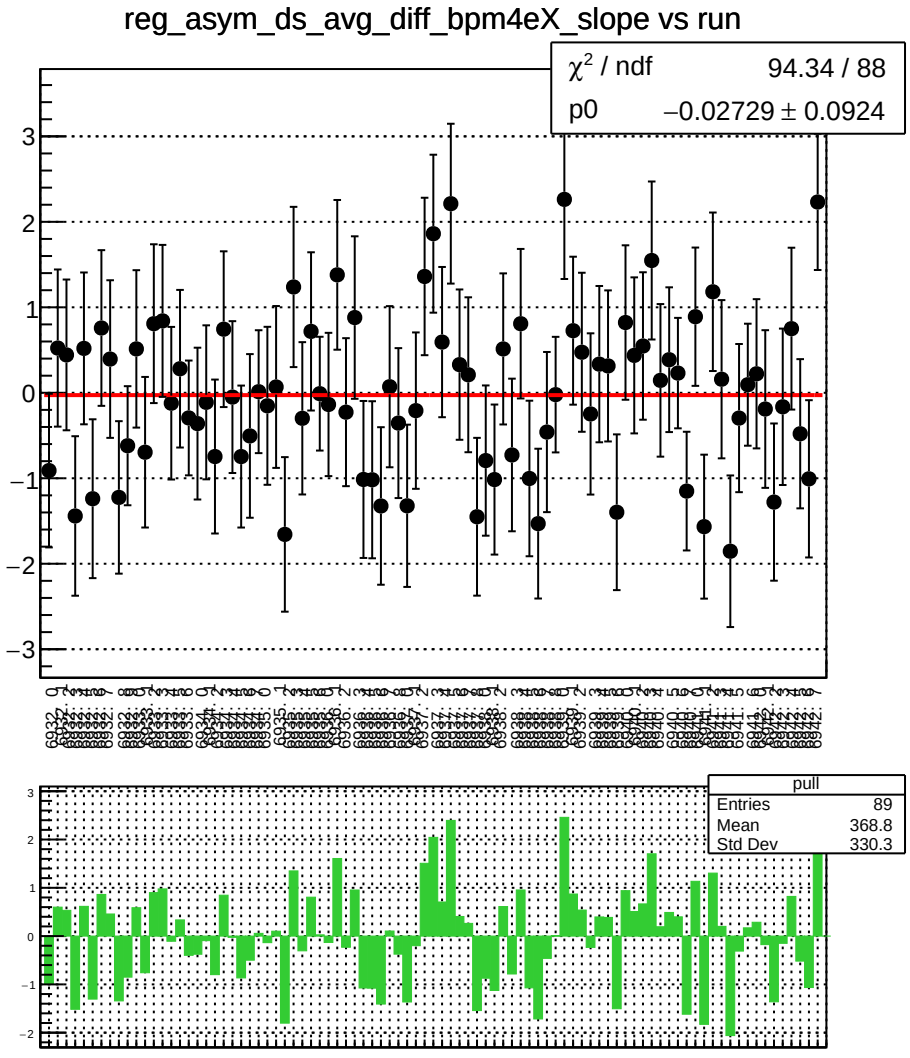

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 54.74 / 88
p0 5.251 ± 0.9147
pull
Entries 89
Mean −486.2
Std Dev 527.5

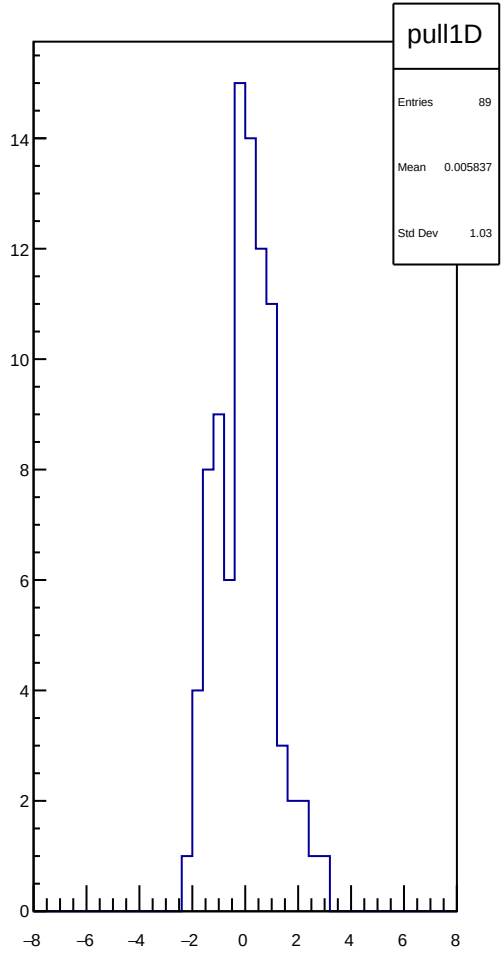

pull1D
Entries 89
Mean 0.002706
Std Dev 0.7842

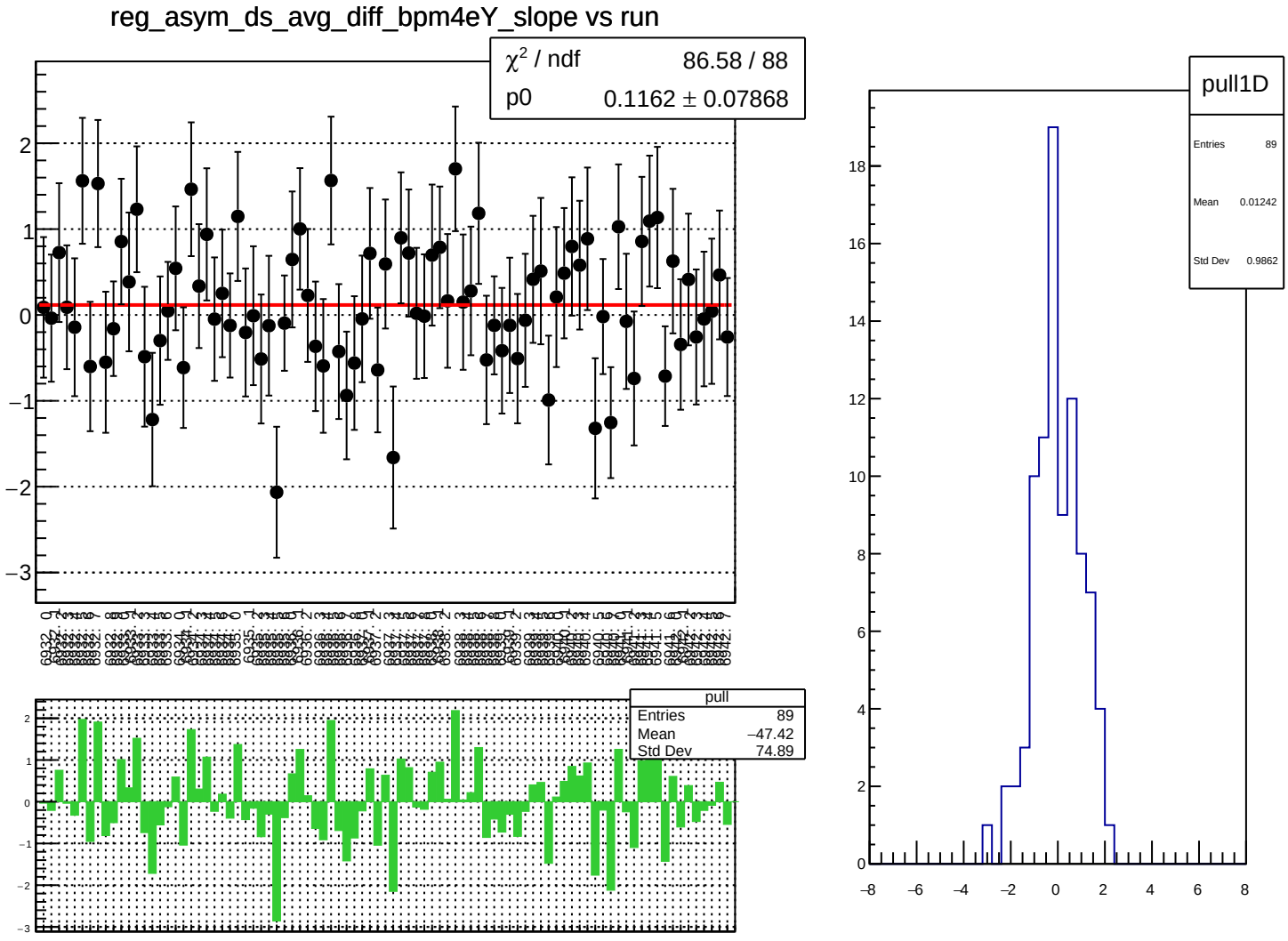

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 63.25 / 88
p0 −1.626 ± 0.0377
pull
Entries 89
Mean −768
Std Dev 790.3
pull1D
Entries 89
Mean −0.003941
Std Dev 0.843

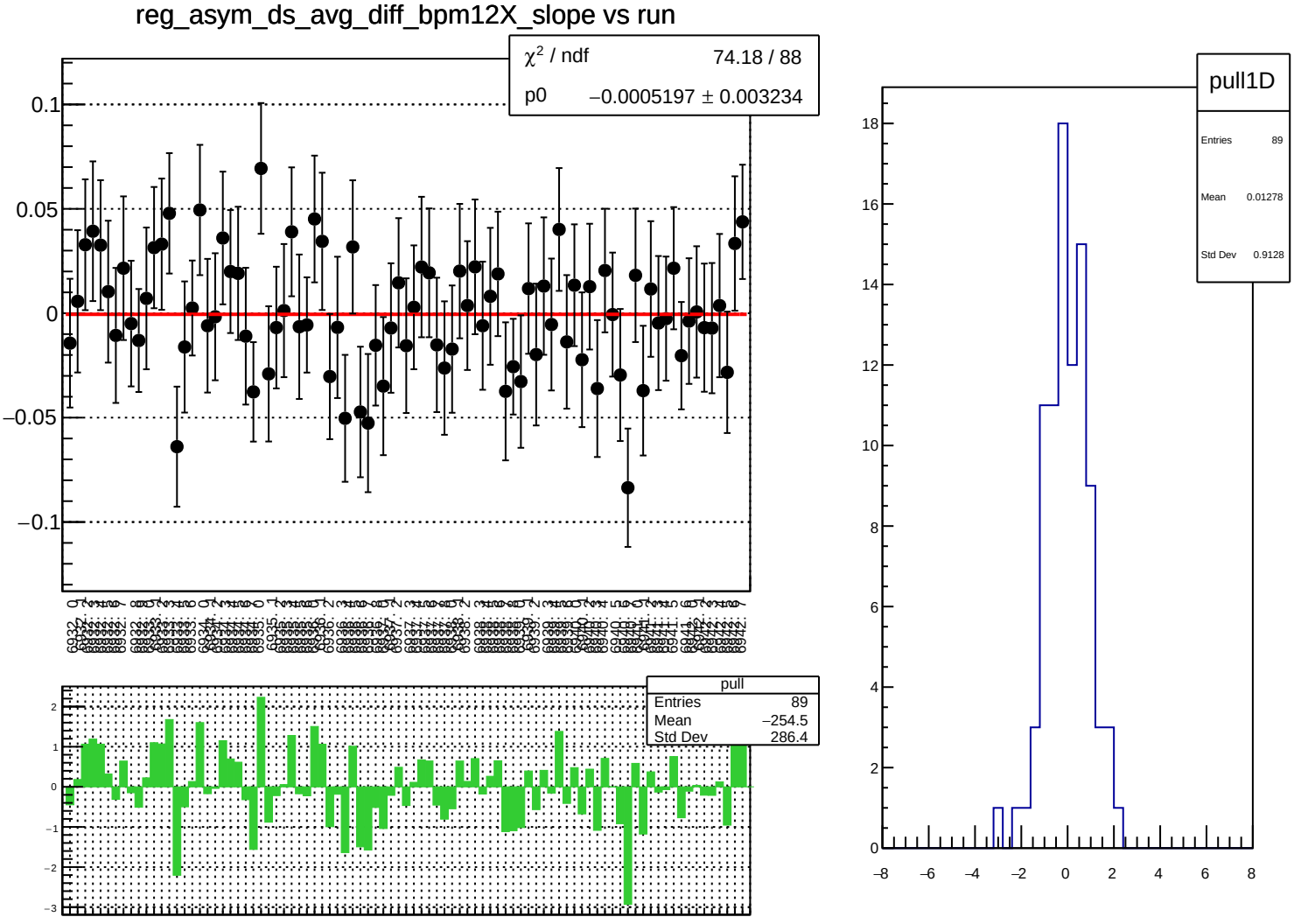

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 92.09 / 88
p0 0.01933 ± 0.09938
pull
Entries 89
Mean 666.8
Std Dev 628.9
pull1D
Entries 89
Mean −0.003136
Std Dev 1.017

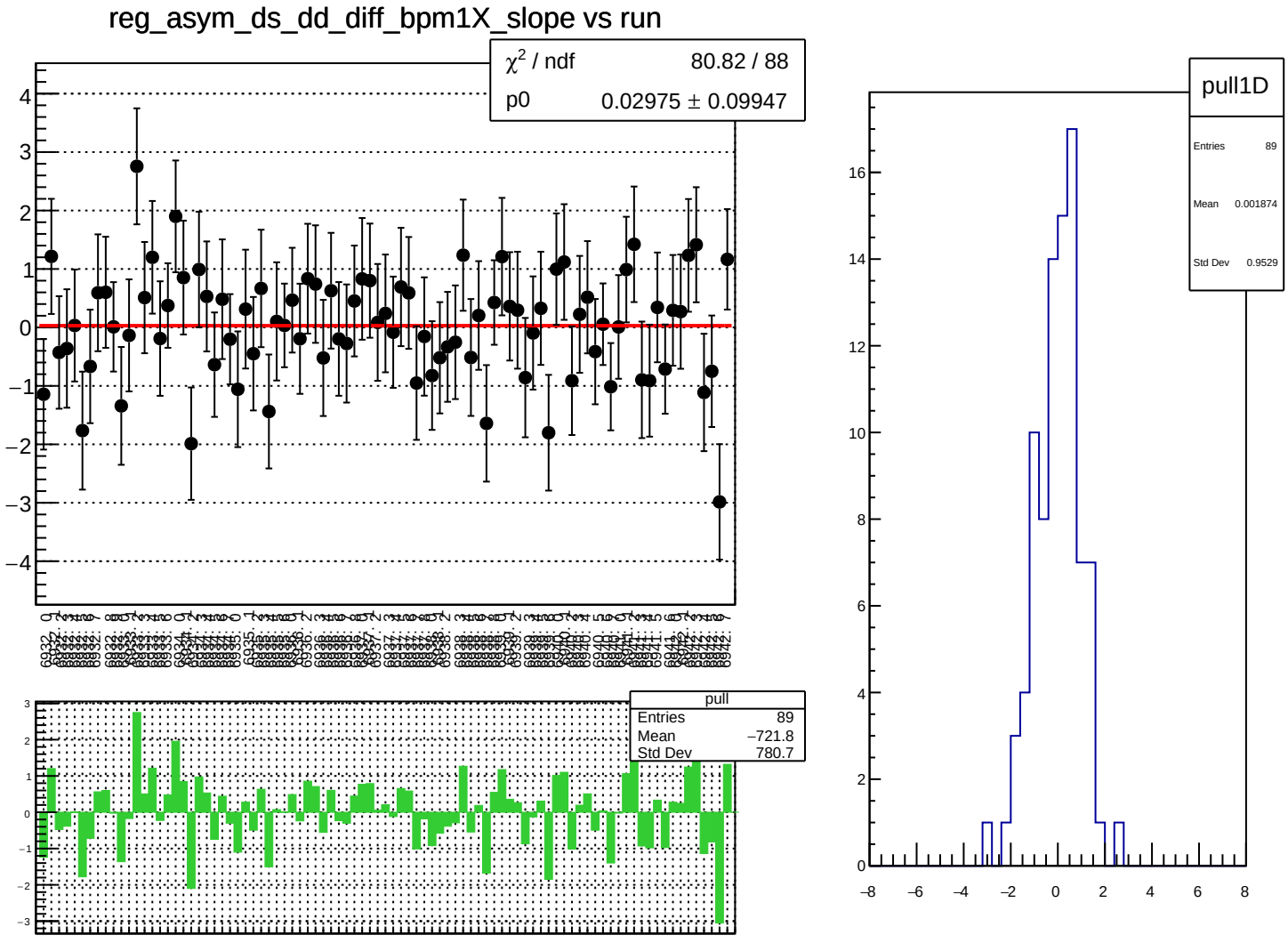

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.58 / 88
p0 −0.0943 ± 0.06815
pull
Entries 89
Mean 12.26
Std Dev 42.68
pull1D
Entries 89
Mean −0.01015
Std Dev 0.9574

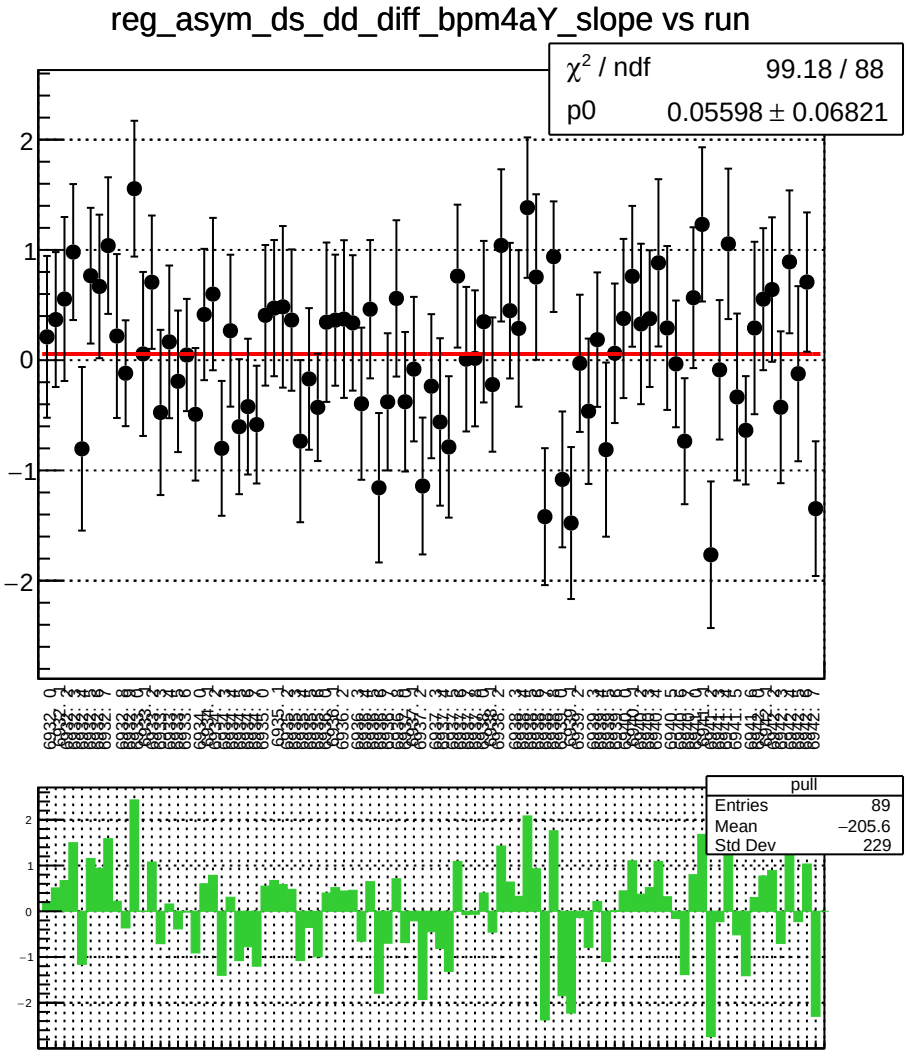

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 94.34 / 88
p0 −0.02729 ± 0.0924
pull
Entries 89
Mean 368.8
Std Dev 330.3

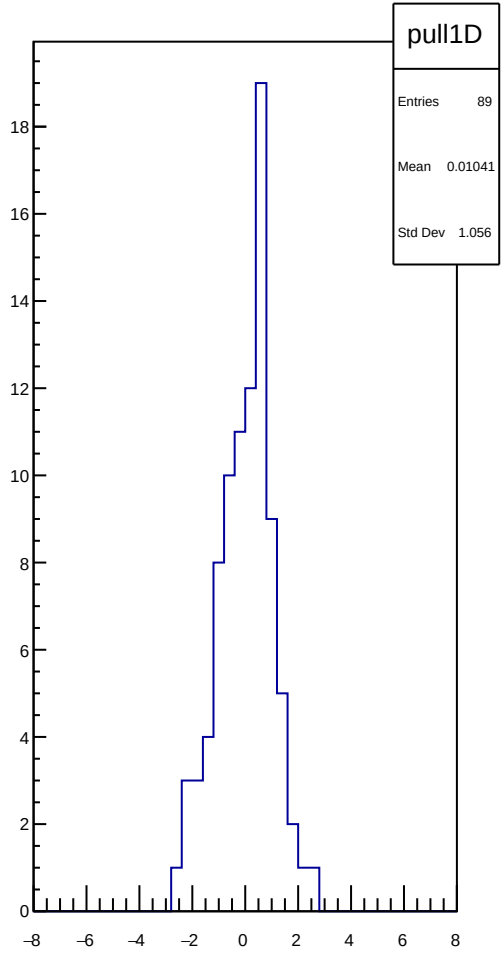

pull1D
Entries 89
Mean 0.005837
Std Dev 1.03

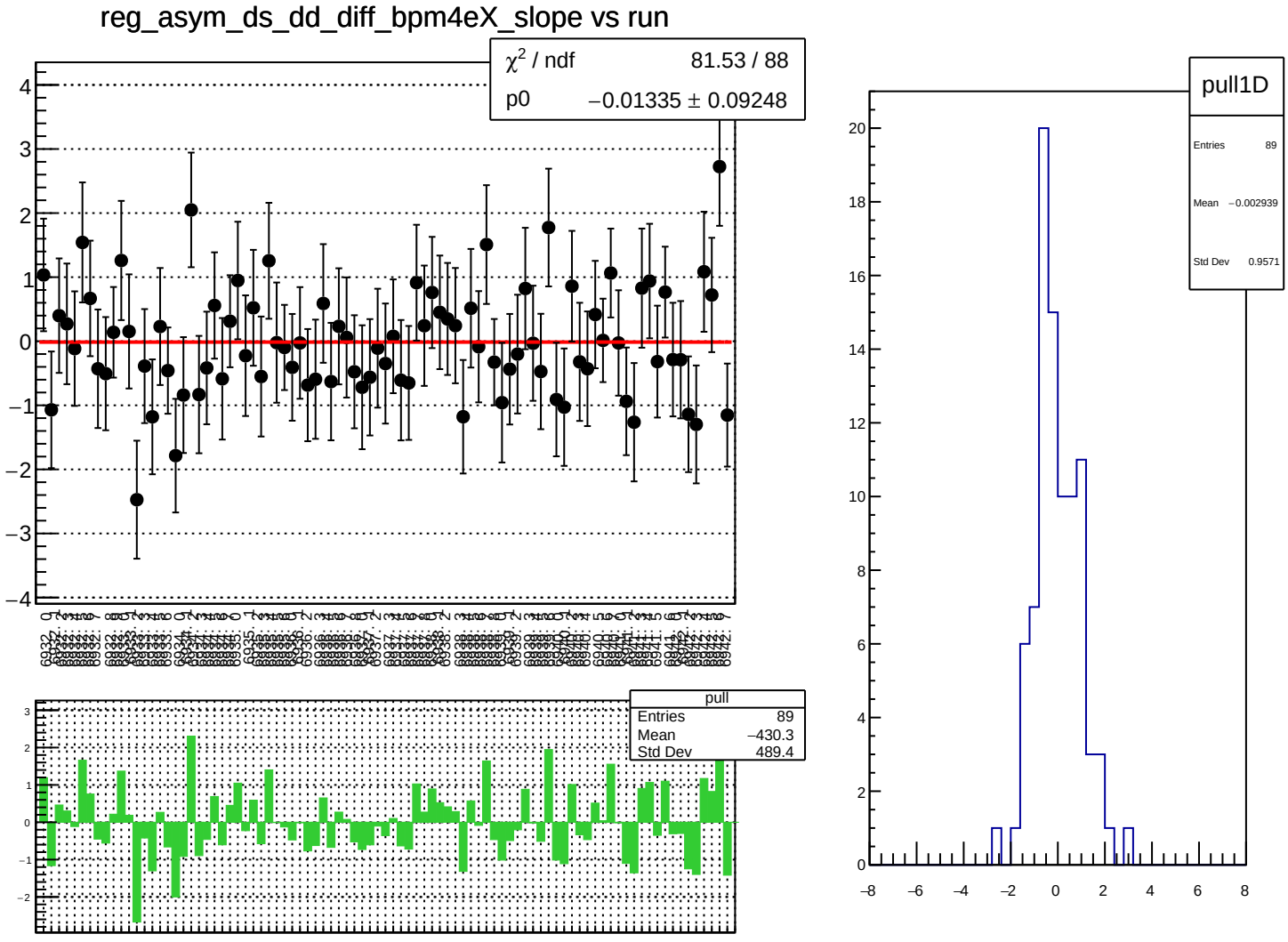

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 86.58 / 88
p0 0.1162 ± 0.07868
pull
Entries 89
Mean −47.42
Std Dev 74.89
pull1D
Entries 89
Mean 0.01242
Std Dev 0.9862

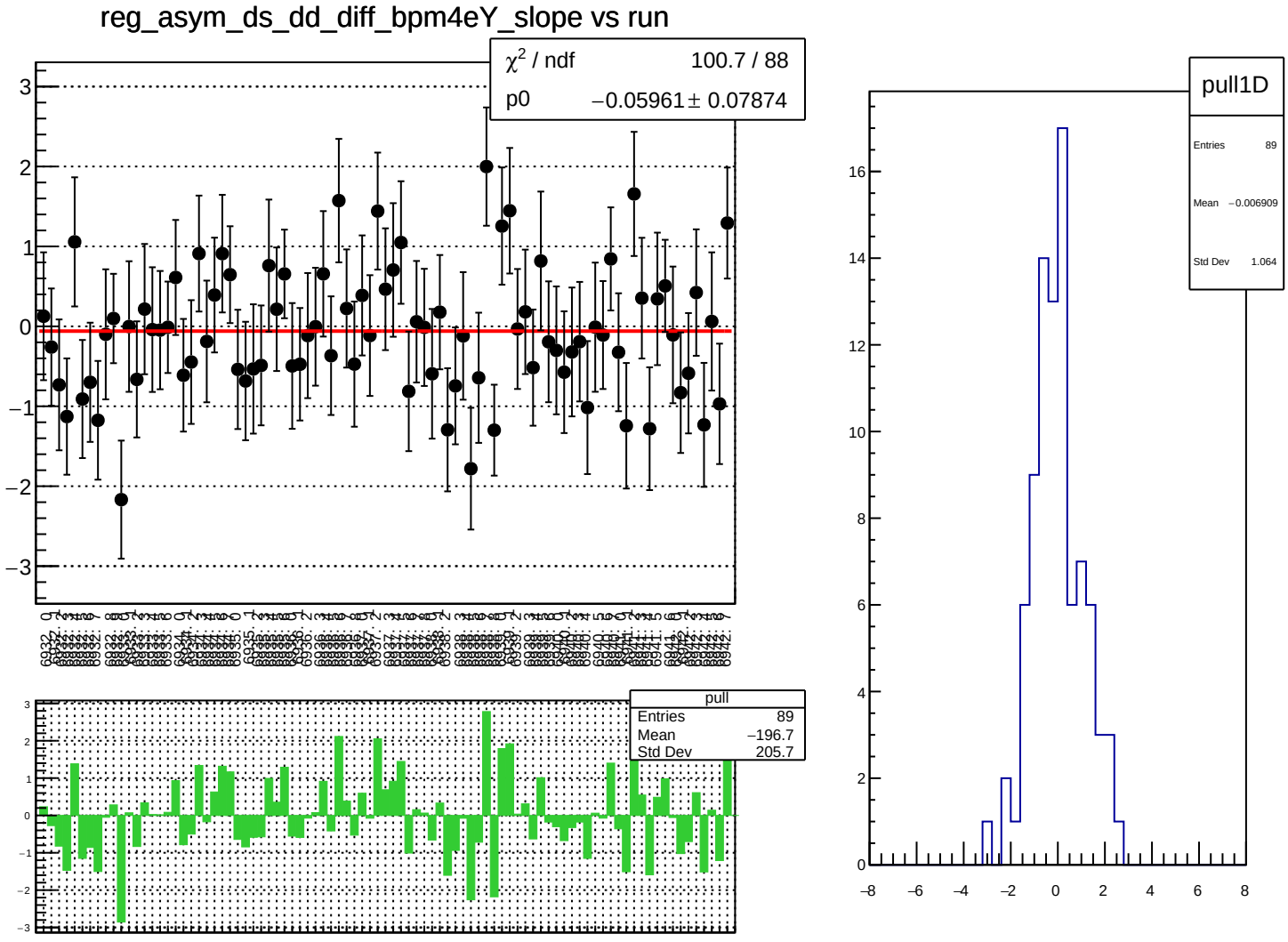

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 74.18 / 88
p0 −0.0005197 ± 0.003234
pull
Entries 89
Mean −254.5
Std Dev 286.4
pull1D
Entries 89
Mean 0.01278
Std Dev 0.9128

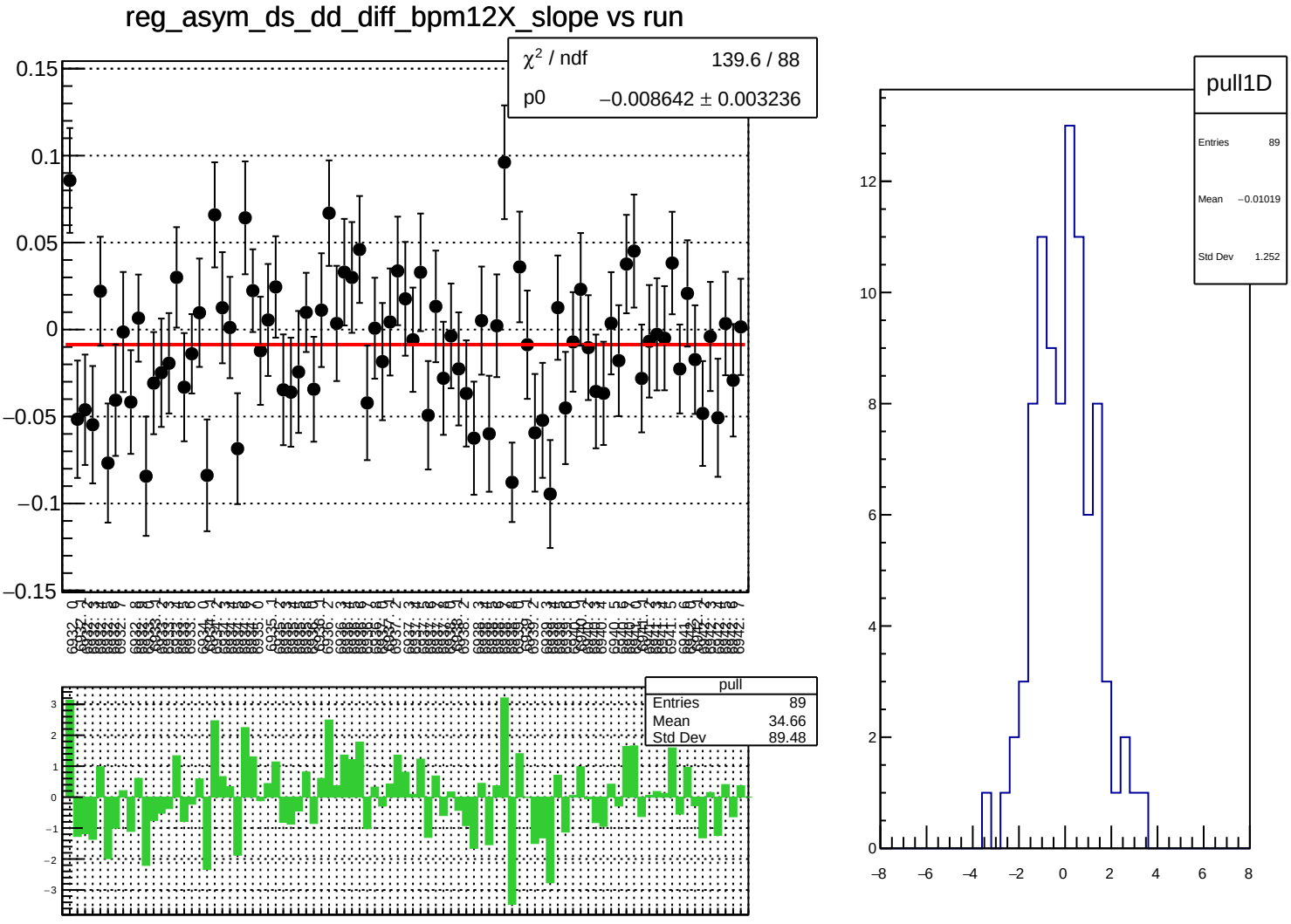

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 80.82 / 88
p0 0.02975 ± 0.09947
pull
Entries 89
Mean −721.8
Std Dev 780.7
pull1D
Entries 89
Mean 0.001874
Std Dev 0.9529

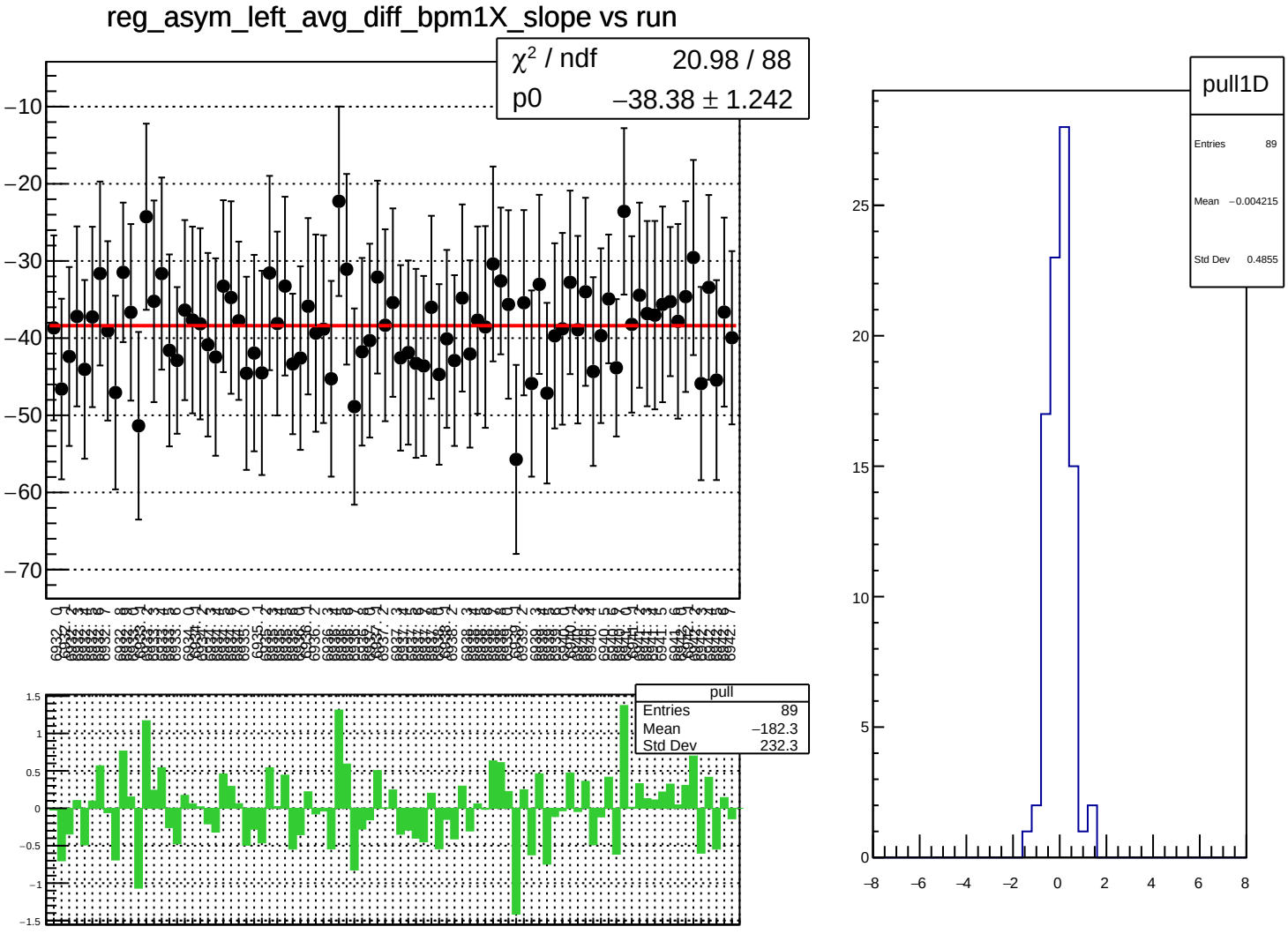

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 99.18 / 88
p0 0.05598 ± 0.06821
pull
Entries 89
Mean −205.6
Std Dev 229

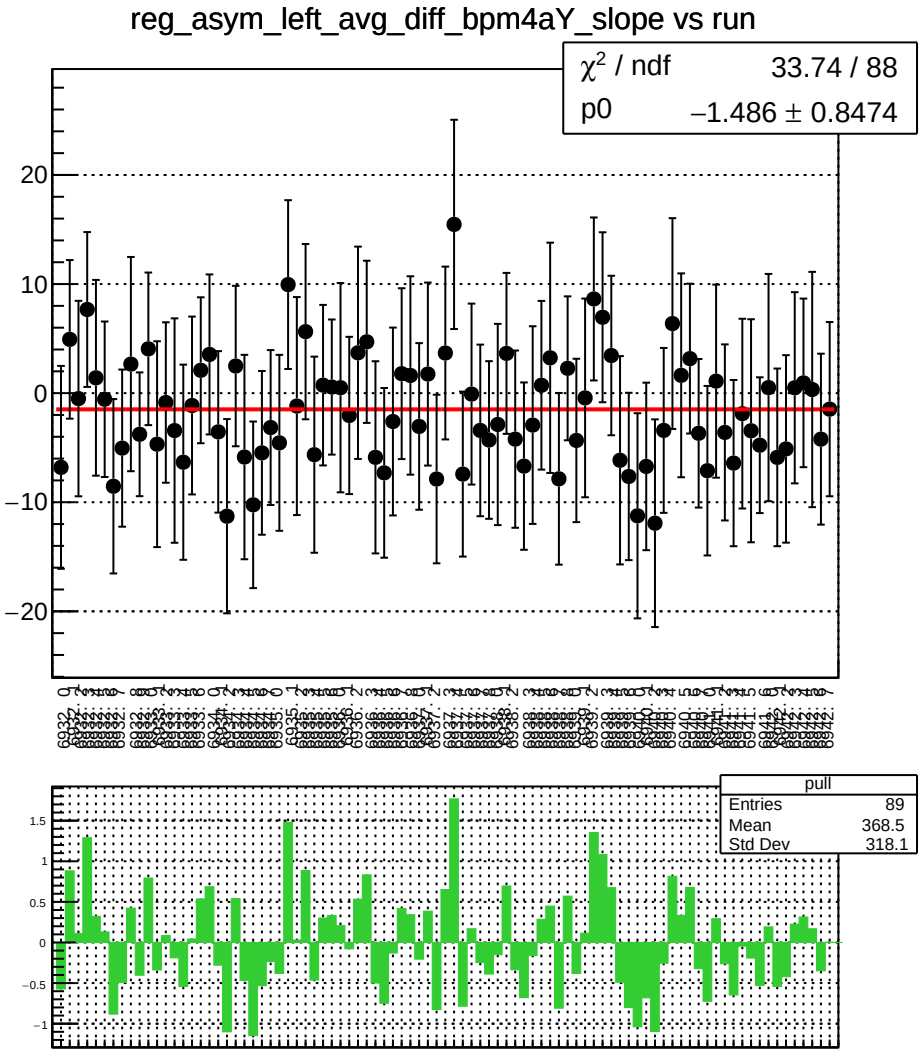

pull1D
Entries 89
Mean 0.01041
Std Dev 1.056

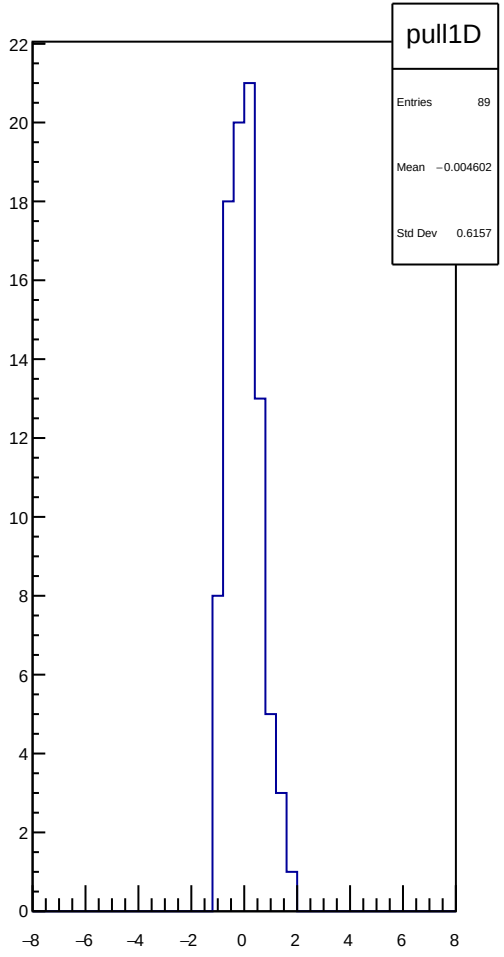

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 81.53 / 88
p0 −0.01335 ± 0.09248
pull
Entries 89
Mean −430.3
Std Dev 489.4
pull1D
Entries 89
Mean −0.002939
Std Dev 0.9571

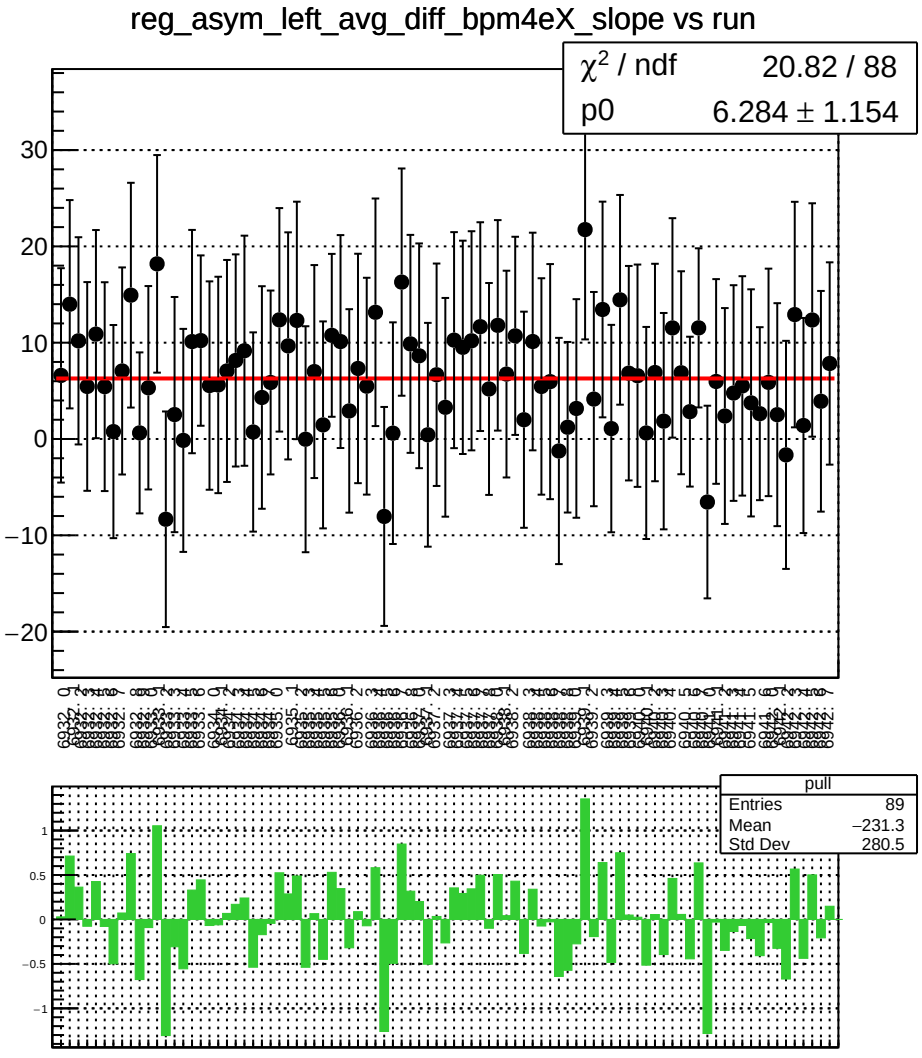

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 100.7 / 88
p0 −0.05961 ± 0.07874
pull
Entries 89
Mean −196.7
Std Dev 205.7
pull1D
Entries 89
Mean −0.006909
Std Dev 1.064

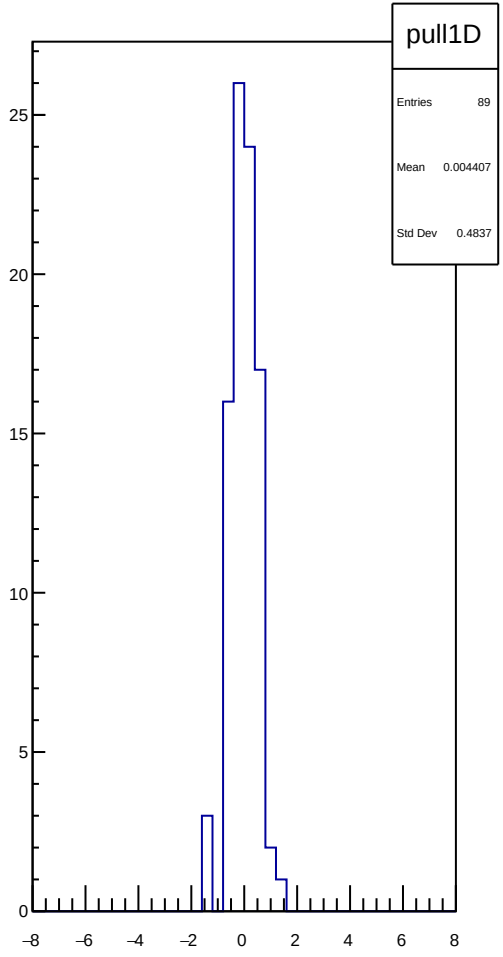

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 139.6 / 88
p0 −0.008642 ± 0.003236
pull
Entries 89
Mean 34.66
Std Dev 89.48
pull1D
Entries 89
Mean −0.01019
Std Dev 1.252

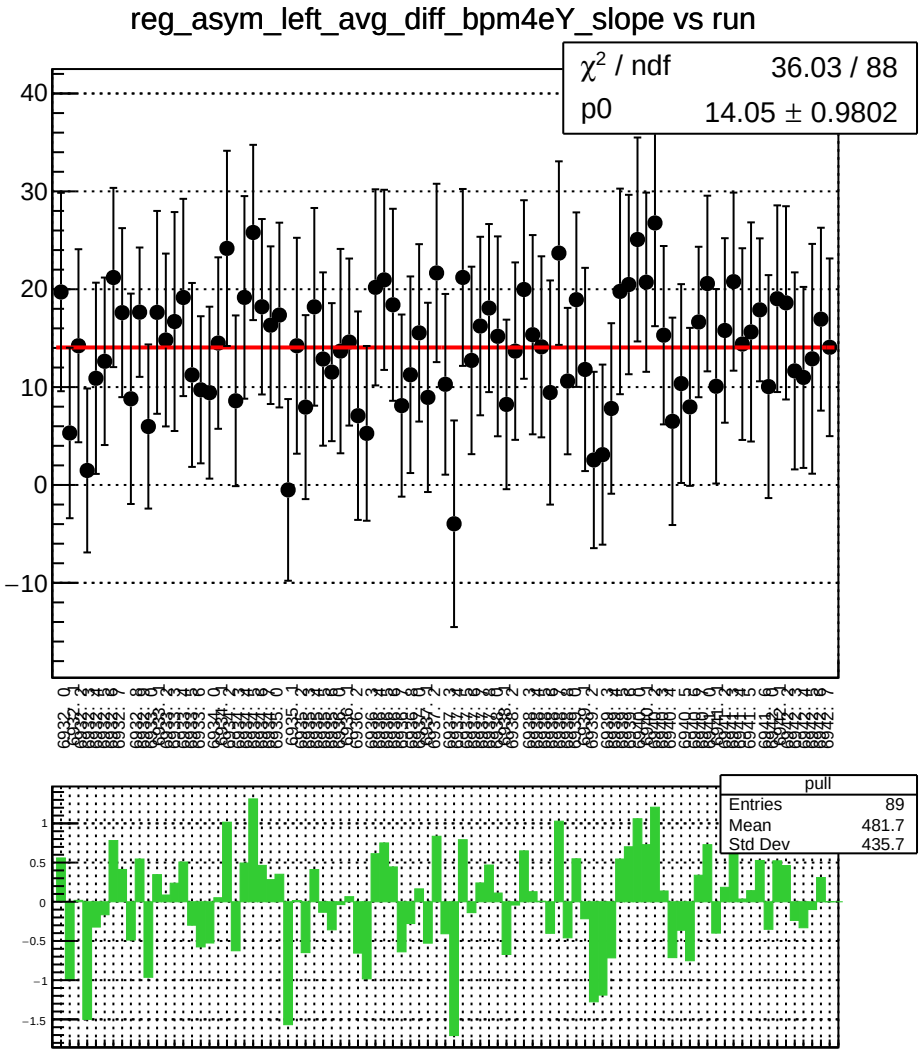

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 20.98 / 88
p0 −38.38 ± 1.242
pull
Entries 89
Mean −182.3
Std Dev 232.3
pull1D
Entries 89
Mean −0.004215
Std Dev 0.4855

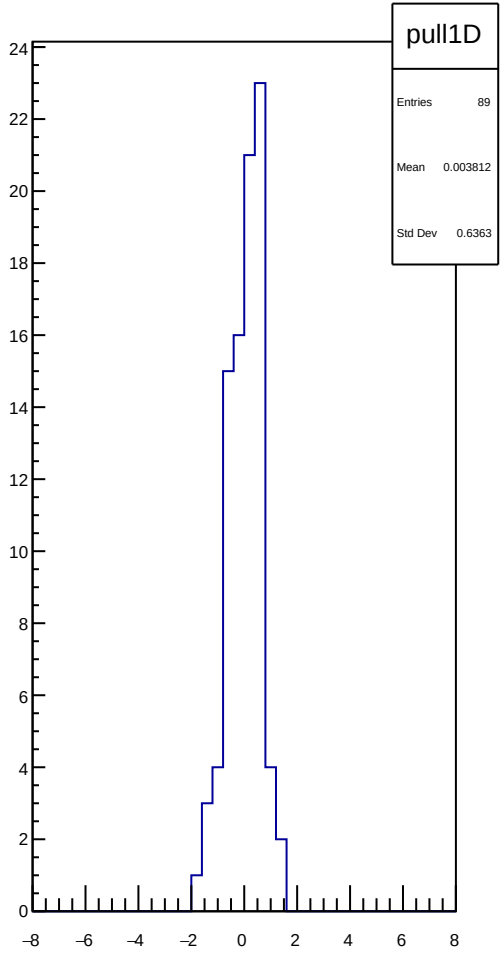

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 33.74 / 88
p0 −1.486 ± 0.8474
pull
Entries 89
Mean 368.5
Std Dev 318.1

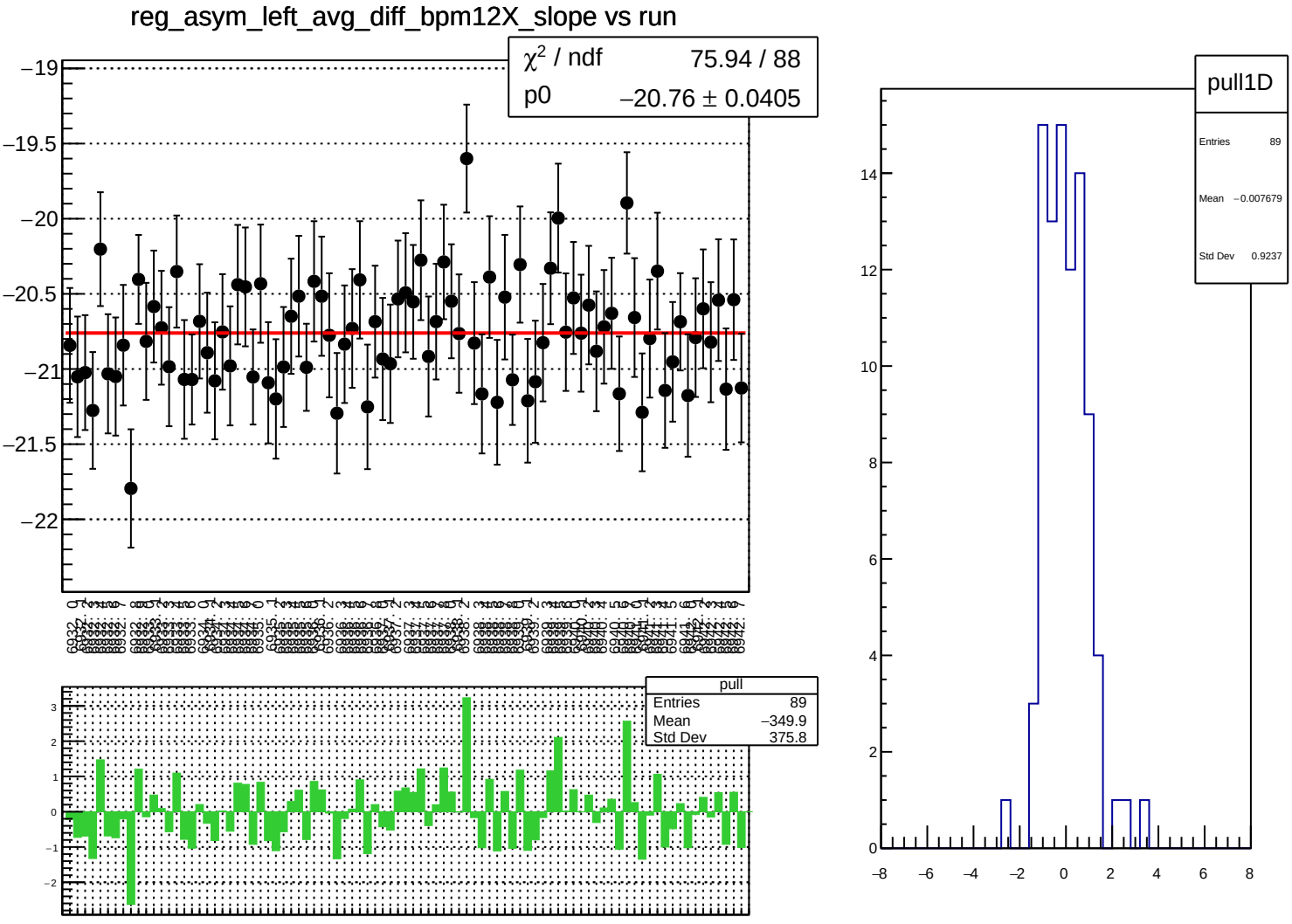

pull1D
Entries 89
Mean −0.004602
Std Dev 0.6157

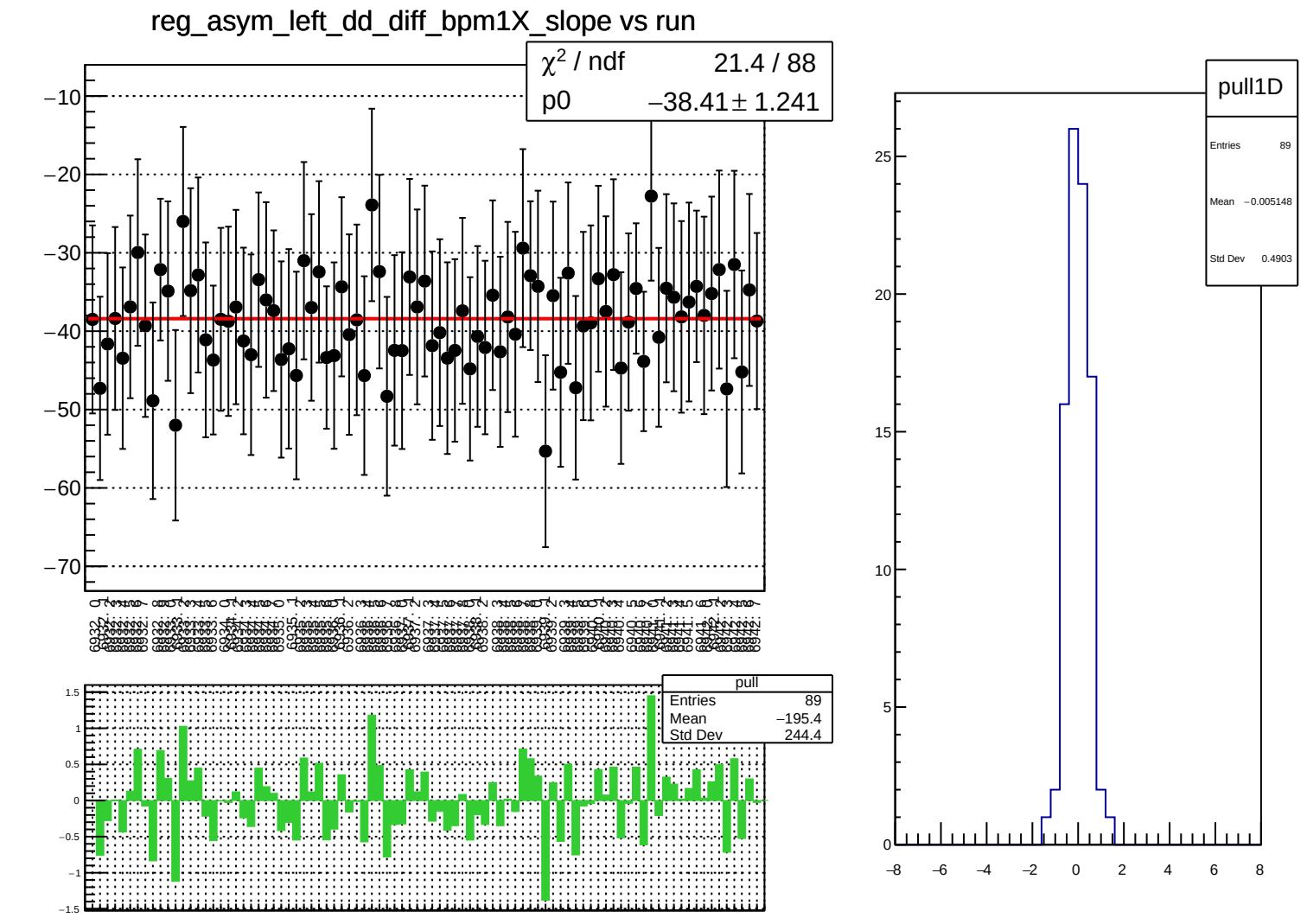

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 20.82 / 88
p0 6.284 ± 1.154
pull
Entries 89
Mean −231.3
Std Dev 280.5

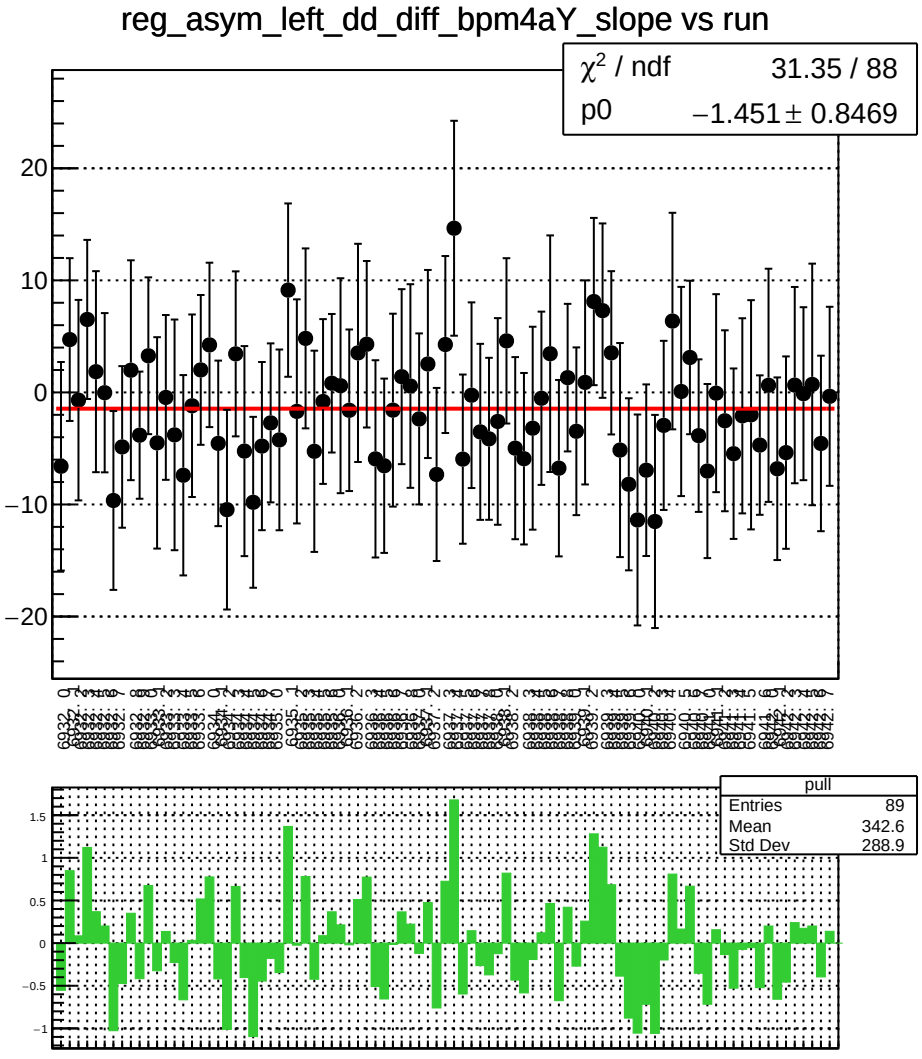

pull1D
Entries 89
Mean 0.004407
Std Dev 0.4837

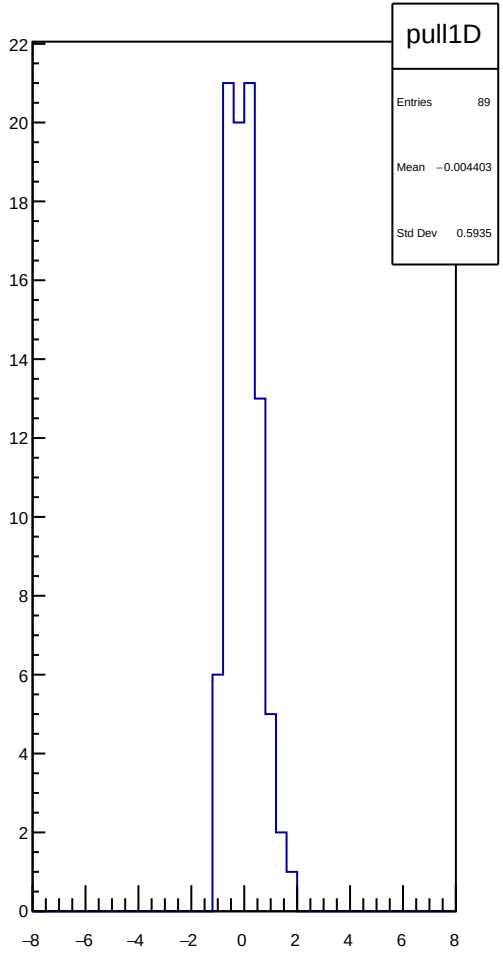

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 36.03 / 88
p0 14.05 ± 0.9802
pull
Entries 89
Mean 481.7
Std Dev 435.7

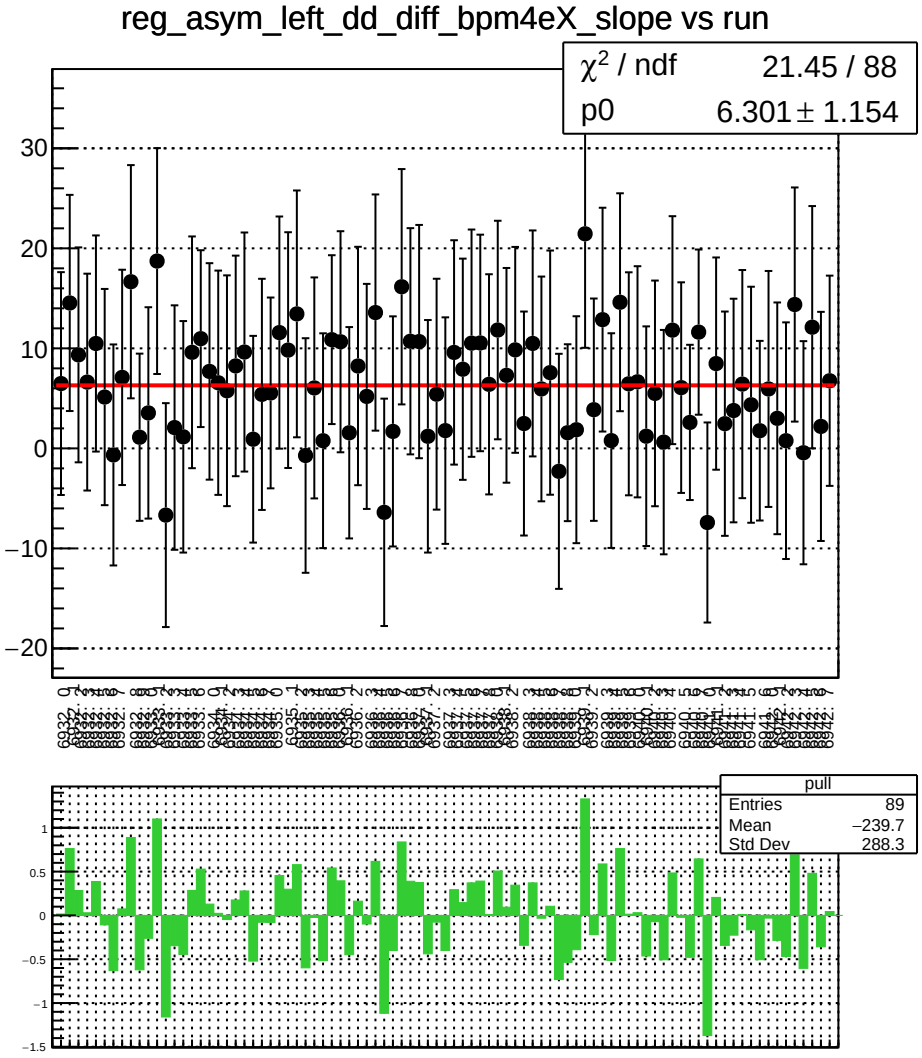

pull1D
Entries 89
Mean 0.003812
Std Dev 0.6363

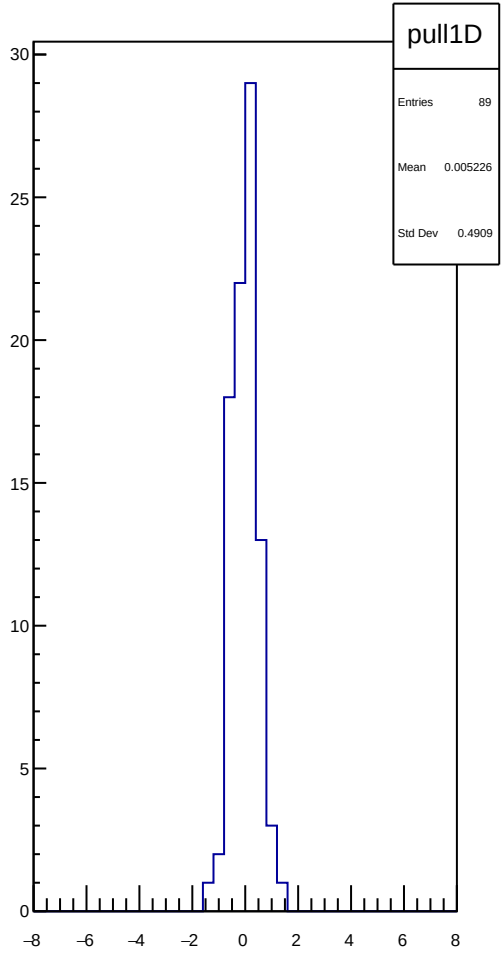

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 75.94 / 88
p0 −20.76 ± 0.0405
pull
Entries 89
Mean −349.9
Std Dev 375.8
pull1D
Entries 89
Mean −0.007679
Std Dev 0.9237

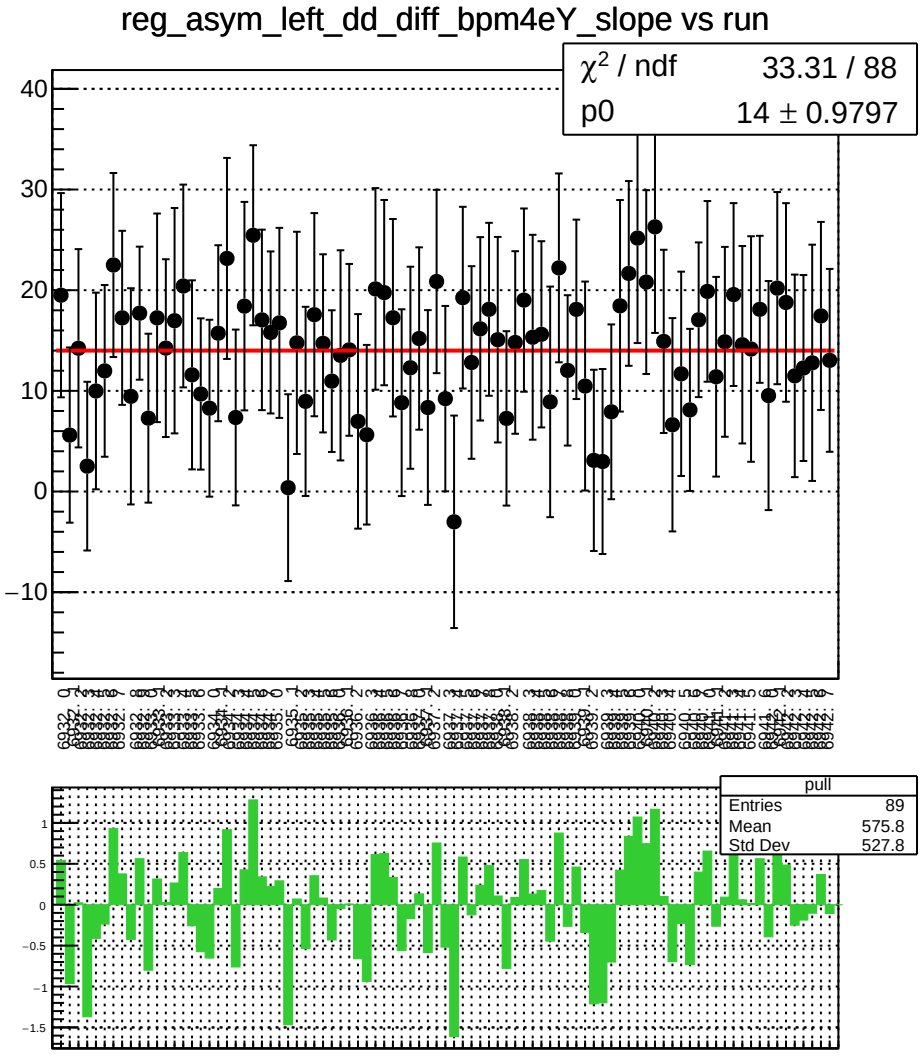

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 21.4 / 88
p0 −38.41 ± 1.241
pull
Entries 89
Mean −195.4
Std Dev 244.4
pull1D
Entries 89
Mean −0.005148
Std Dev 0.4903

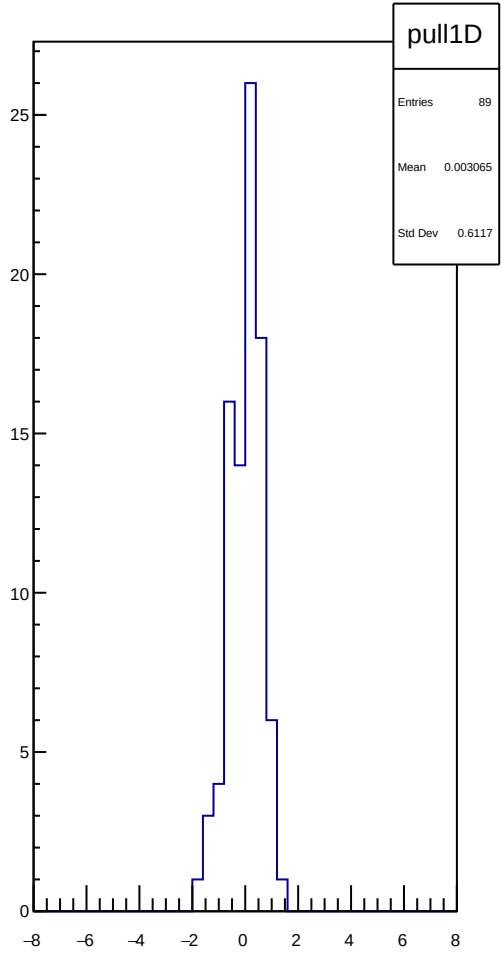

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 31.35 / 88
p0 −1.451 ± 0.8469
pull
Entries 89
Mean 342.6
Std Dev 288.9

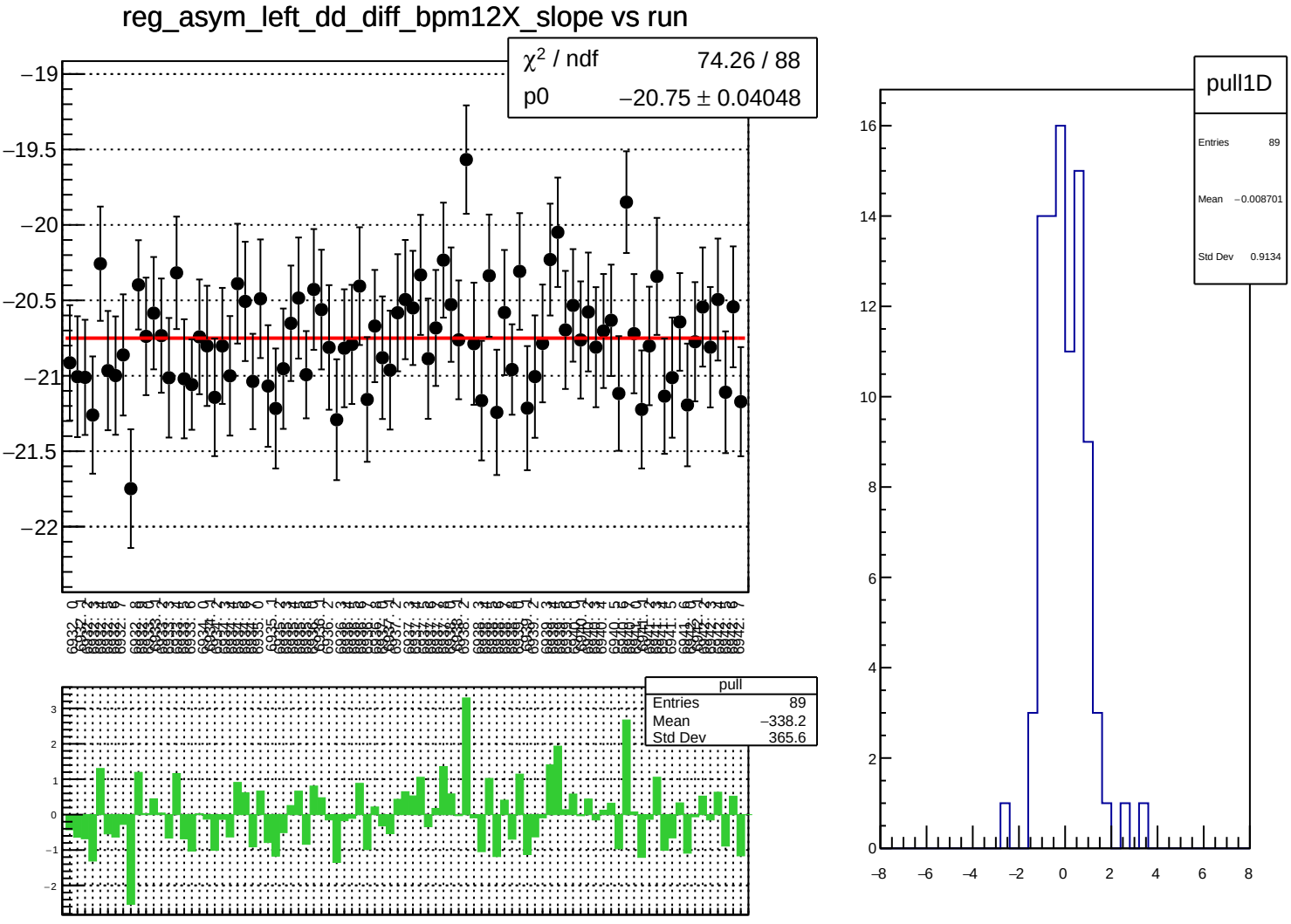

pull1D
Entries 89
Mean −0.004403
Std Dev 0.5935

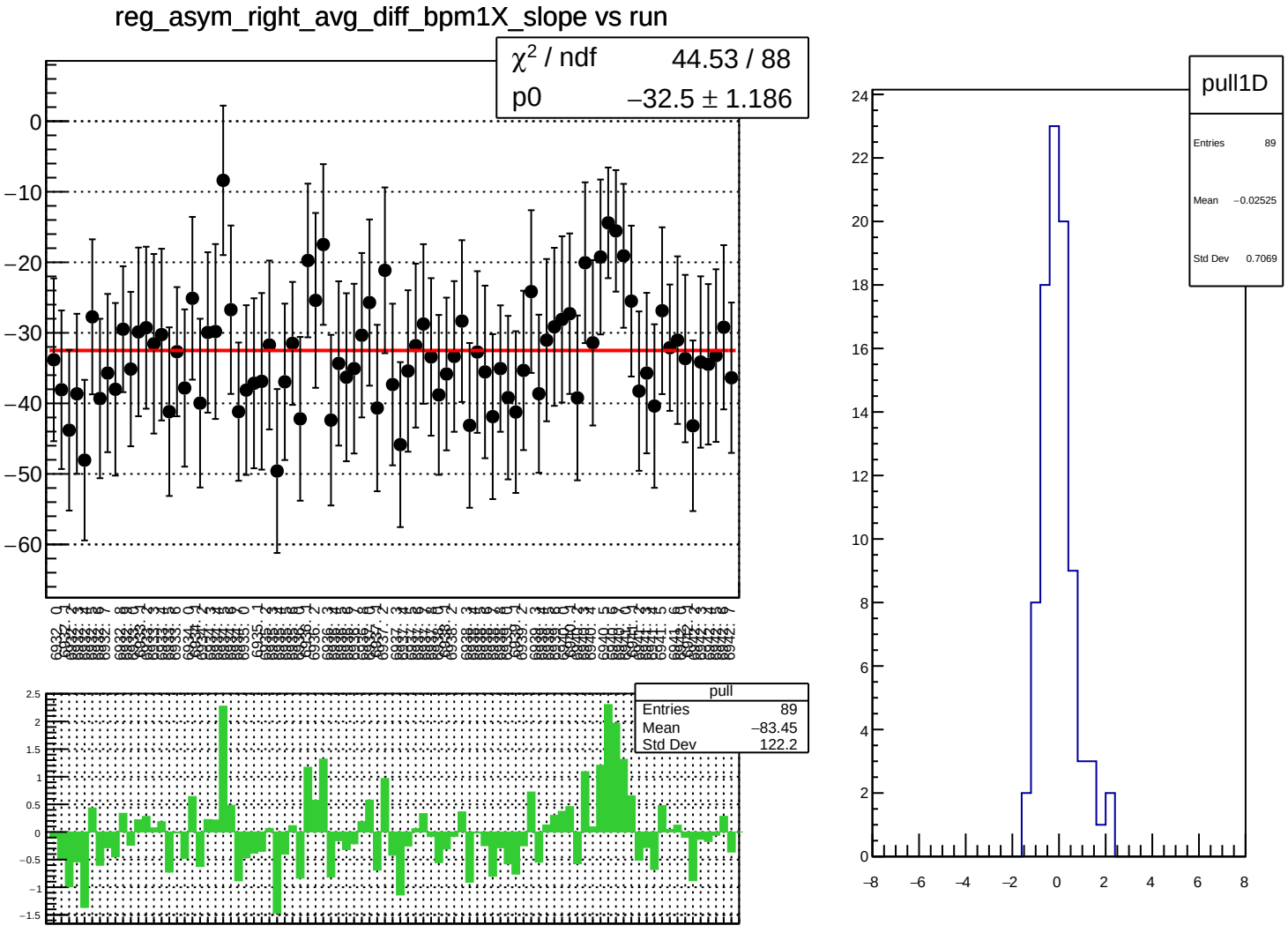

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 21.45 / 88
p0 6.301 ± 1.154
pull
Entries 89
Mean −239.7
Std Dev 288.3

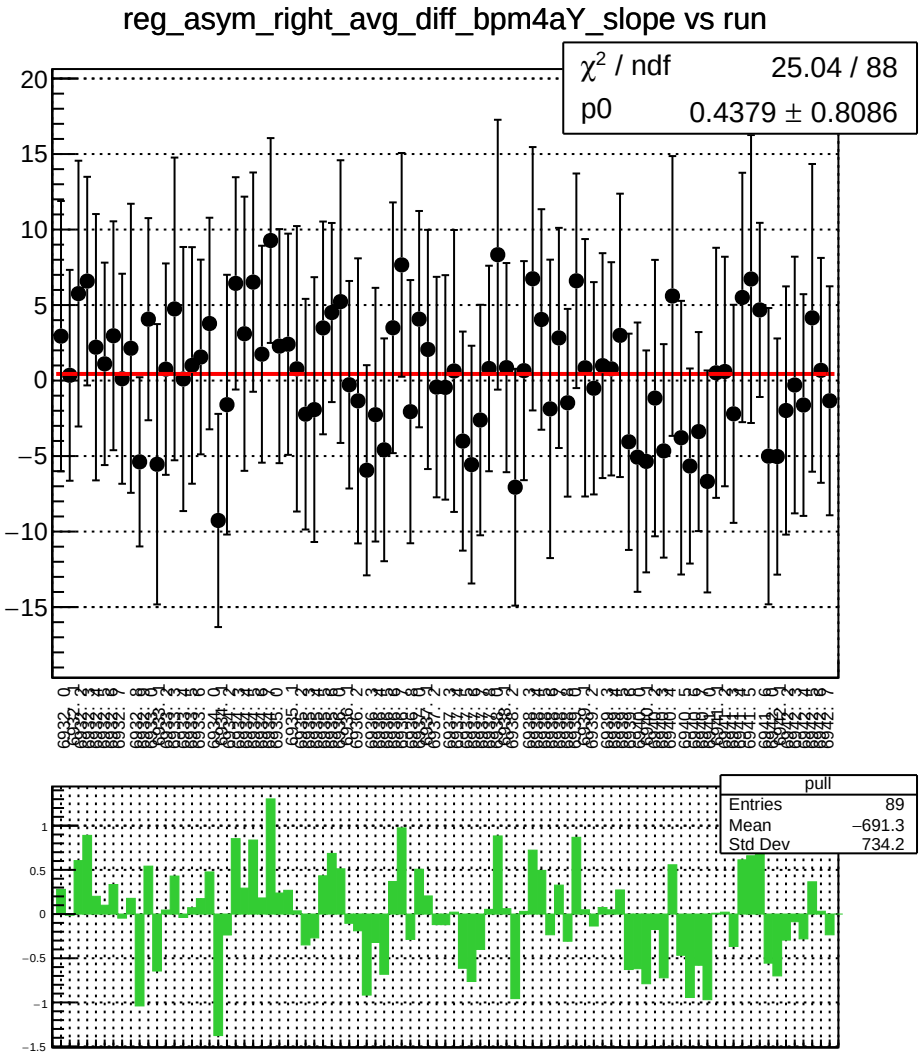

pull1D
Entries 89
Mean 0.005226
Std Dev 0.4909

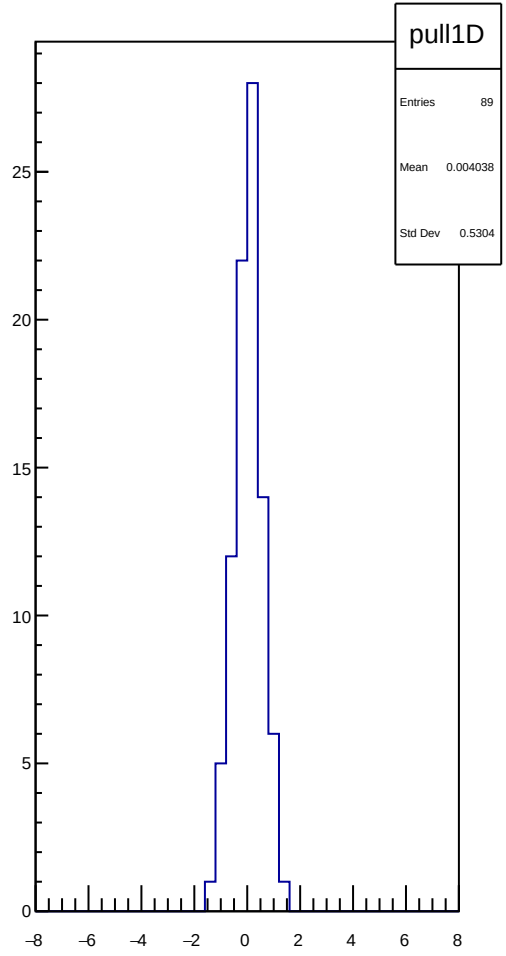

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 33.31 / 88
p0 14 ± 0.9797
pull
Entries 89
Mean 575.8
Std Dev 527.8

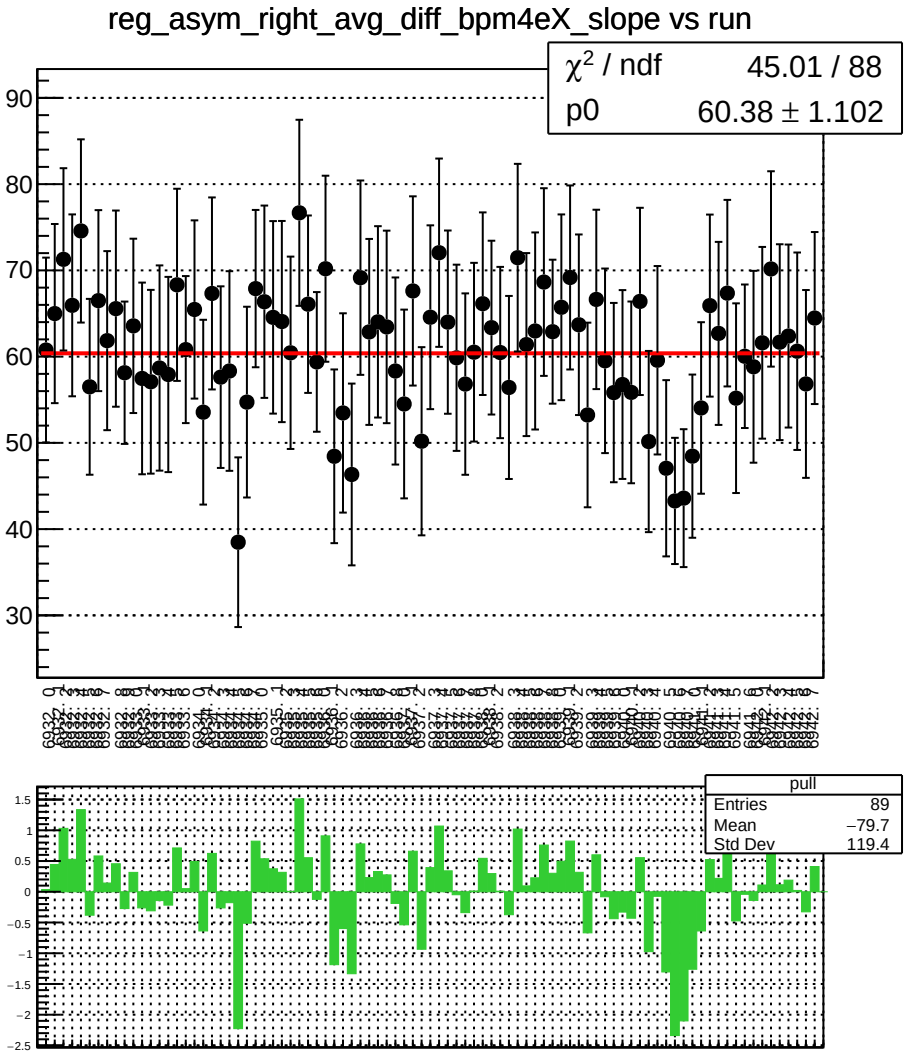

pull1D
Entries 89
Mean 0.003065
Std Dev 0.6117

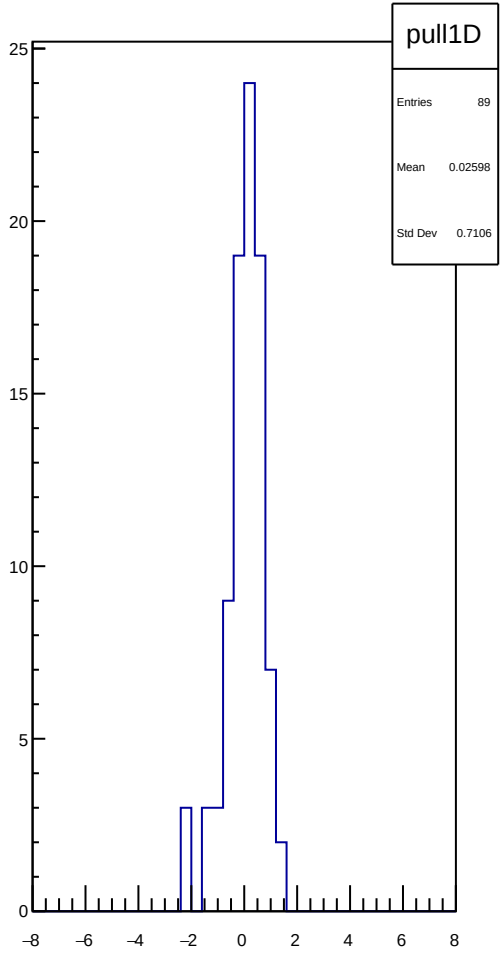

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 74.26 / 88
p0 −20.75 ± 0.04048
pull
Entries 89
Mean −338.2
Std Dev 365.6
pull1D
Entries 89
Mean −0.008701
Std Dev 0.9134

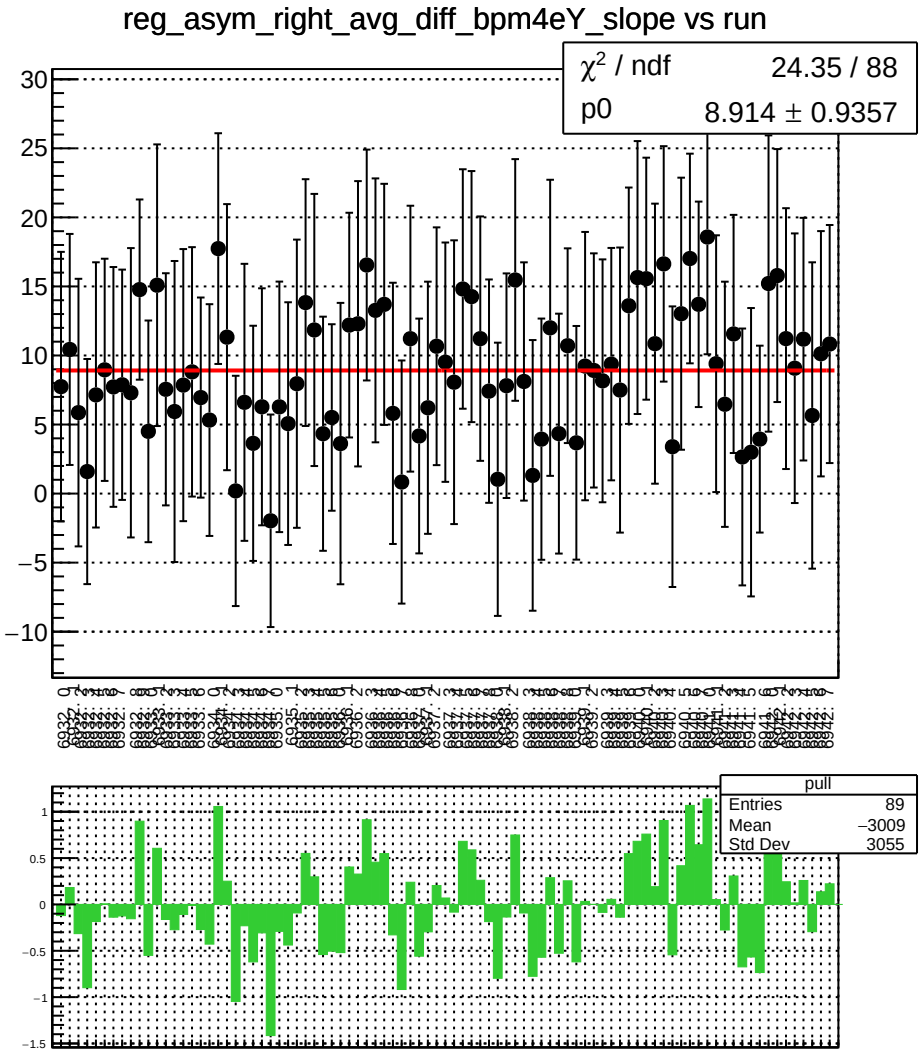

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.53 / 88
p0 −32.5 ± 1.186
pull
Entries 89
Mean −83.45
Std Dev 122.2
pull1D
Entries 89
Mean −0.02525
Std Dev 0.7069

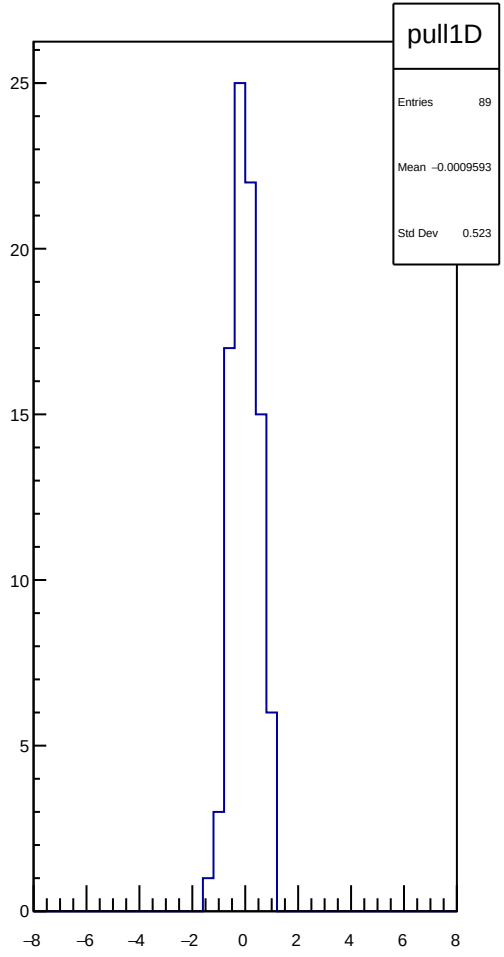

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.04 / 88
p0 0.4379 ± 0.8086
pull
Entries 89
Mean −691.3
Std Dev 734.2

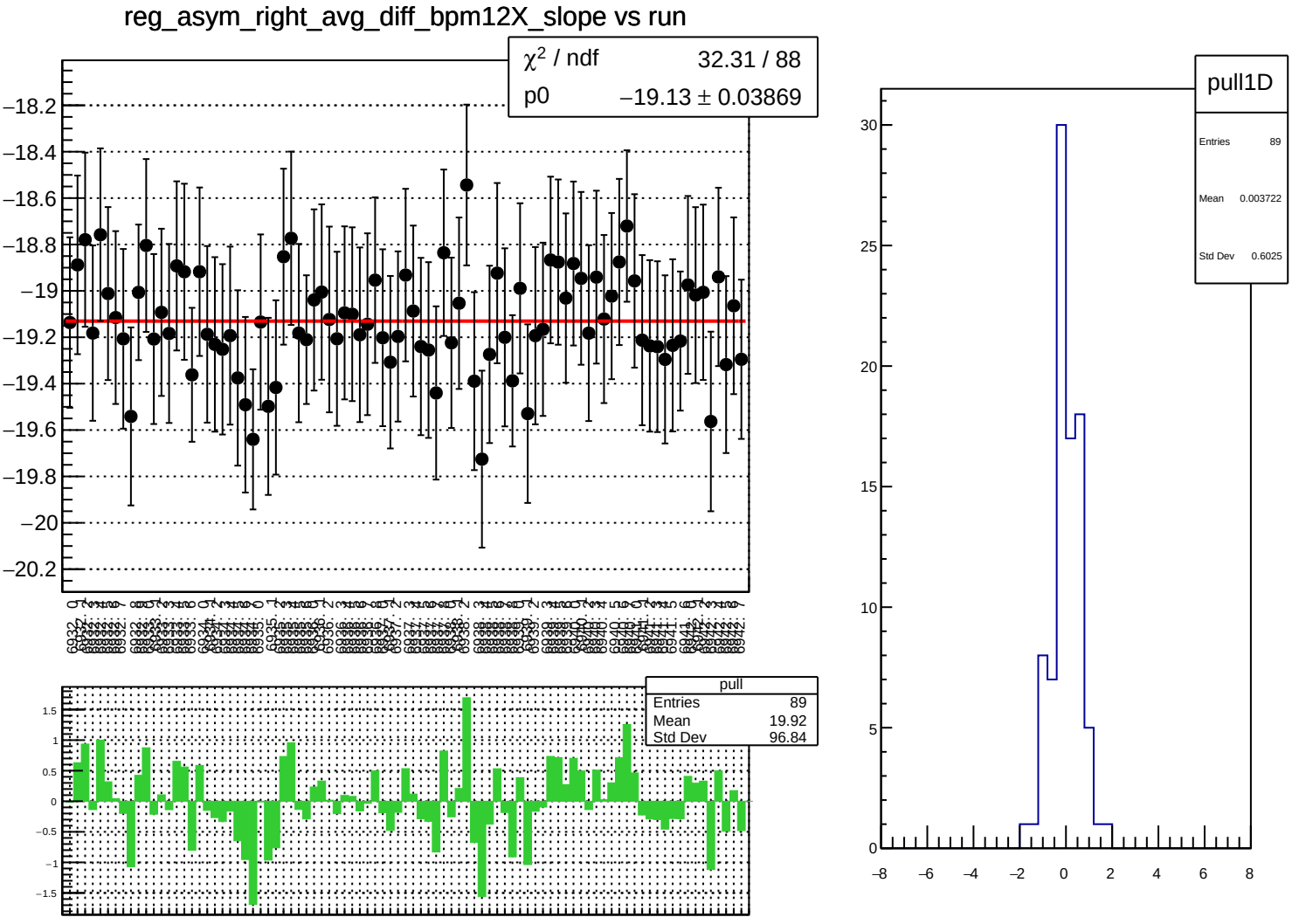

pull1D
Entries 89
Mean 0.004038
Std Dev 0.5304

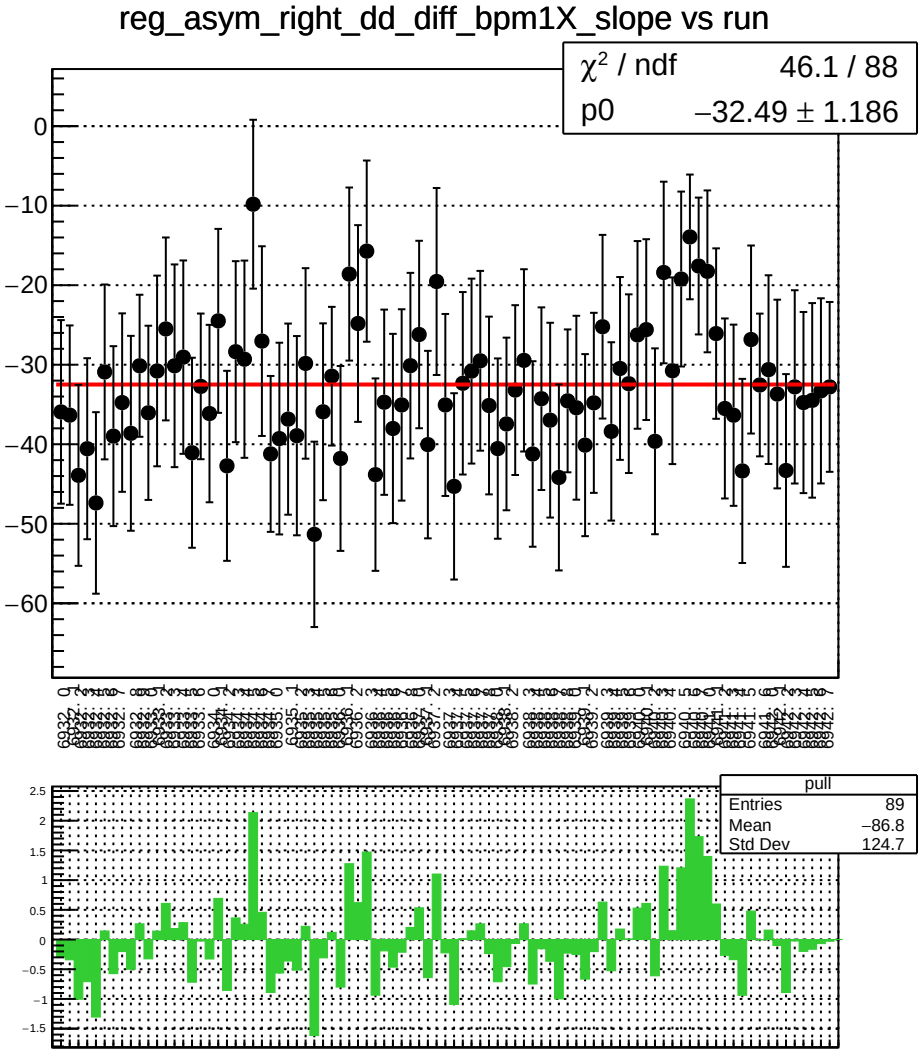

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 45.01 / 88
p0 60.38 ± 1.102
pull
Entries 89
Mean −79.7
Std Dev 119.4

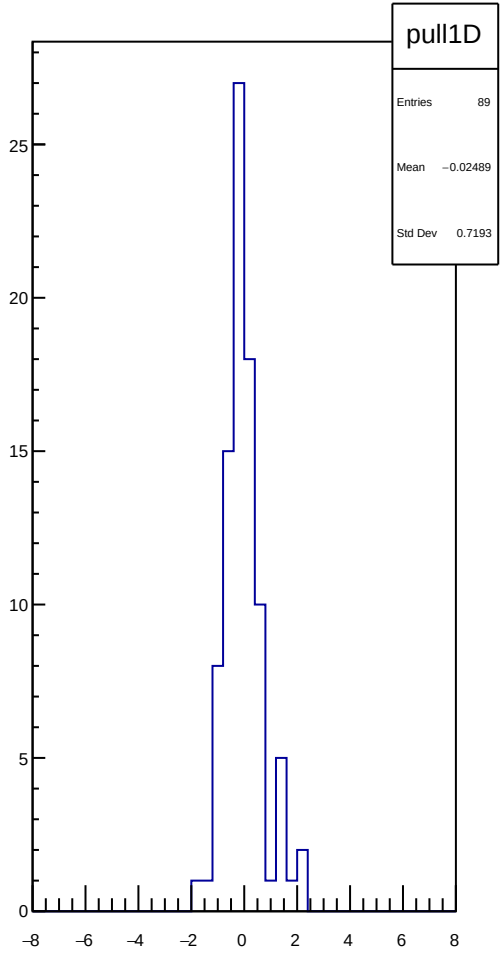

pull1D
Entries 89
Mean 0.02598
Std Dev 0.7106

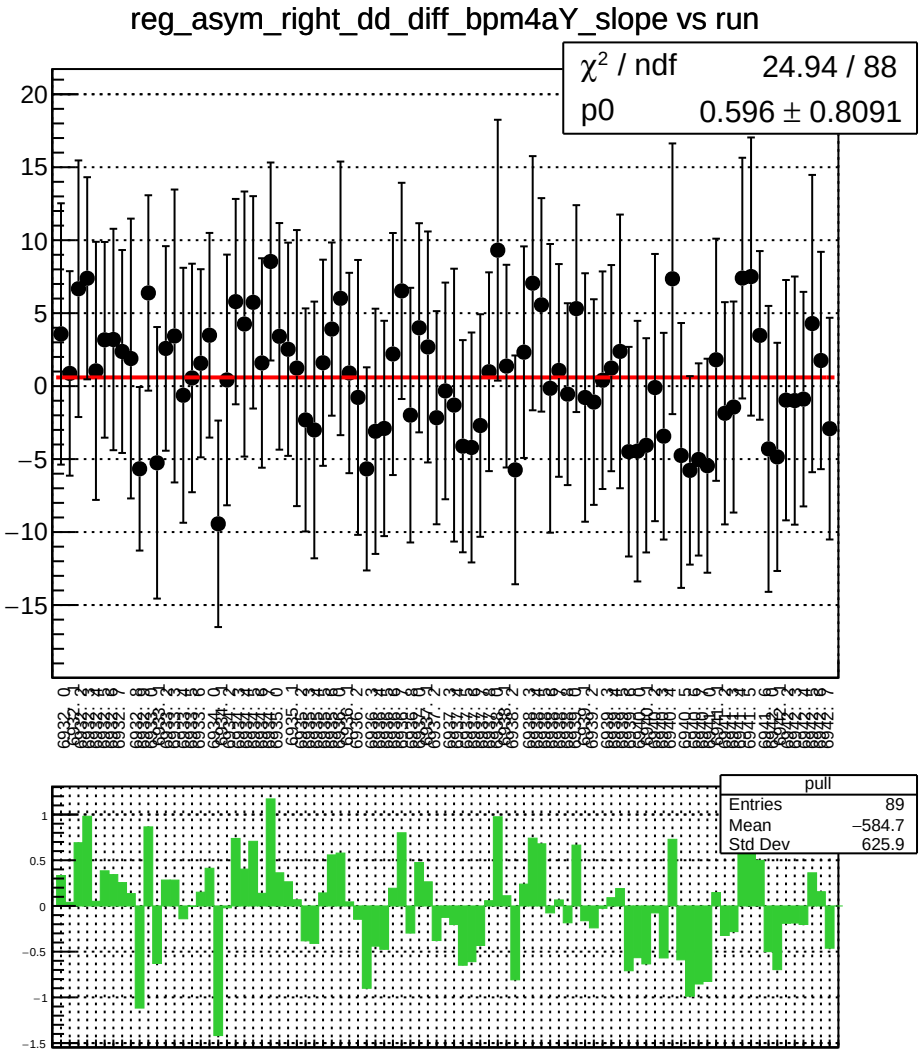

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.35 / 88
p0 8.914 ± 0.9357
pull
Entries 89
Mean −3009
Std Dev 3055

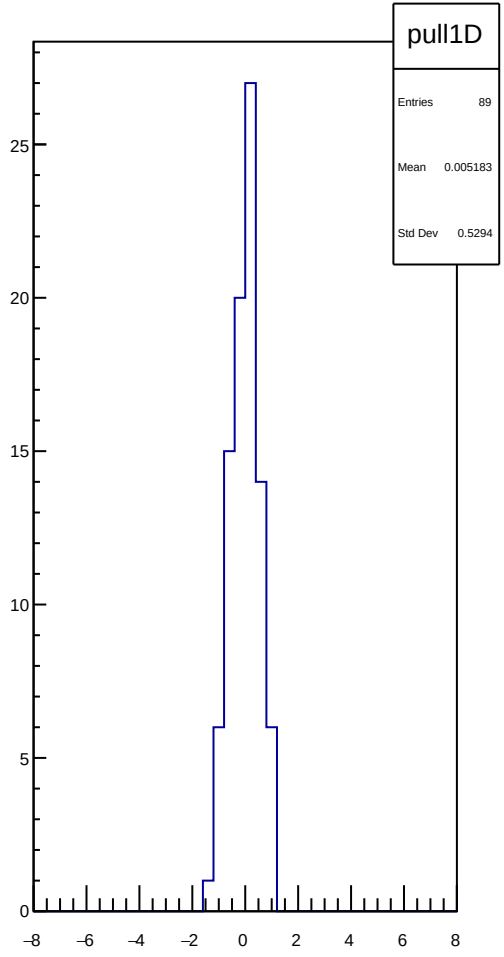

pull1D
Entries 89
Mean −0.0009593
Std Dev 0.523

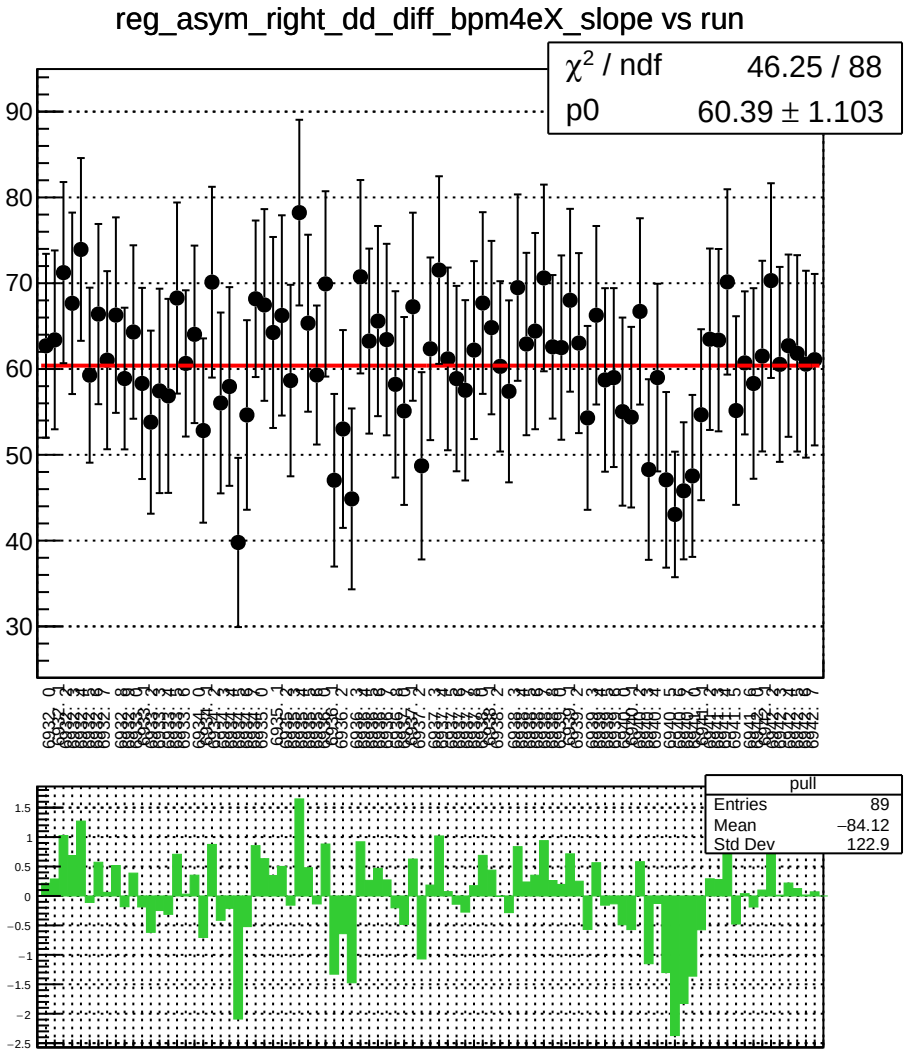

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 32.31 / 88
p0 −19.13 ± 0.03869
pull
Entries 89
Mean 19.92
Std Dev 96.84
pull1D
Entries 89
Mean 0.003722
Std Dev 0.6025

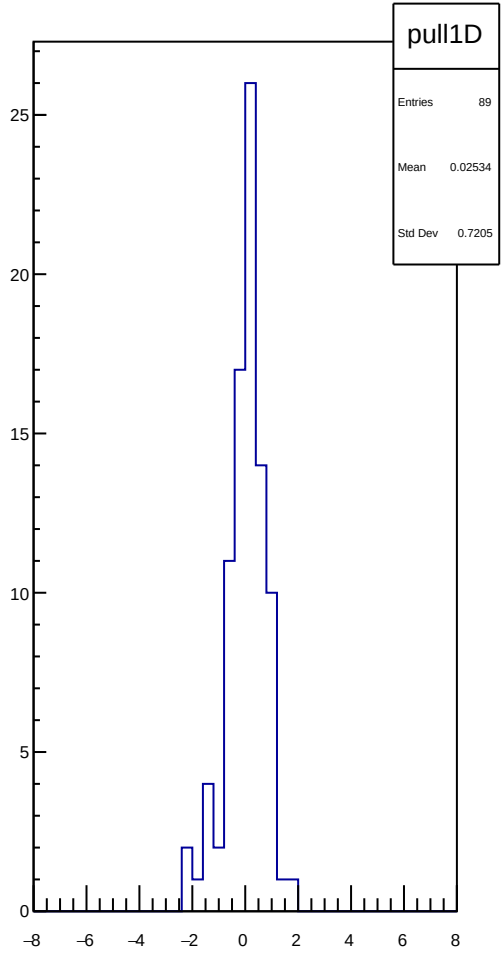

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 46.1 / 88
p0 −32.49 ± 1.186
pull
Entries 89
Mean −86.8
Std Dev 124.7

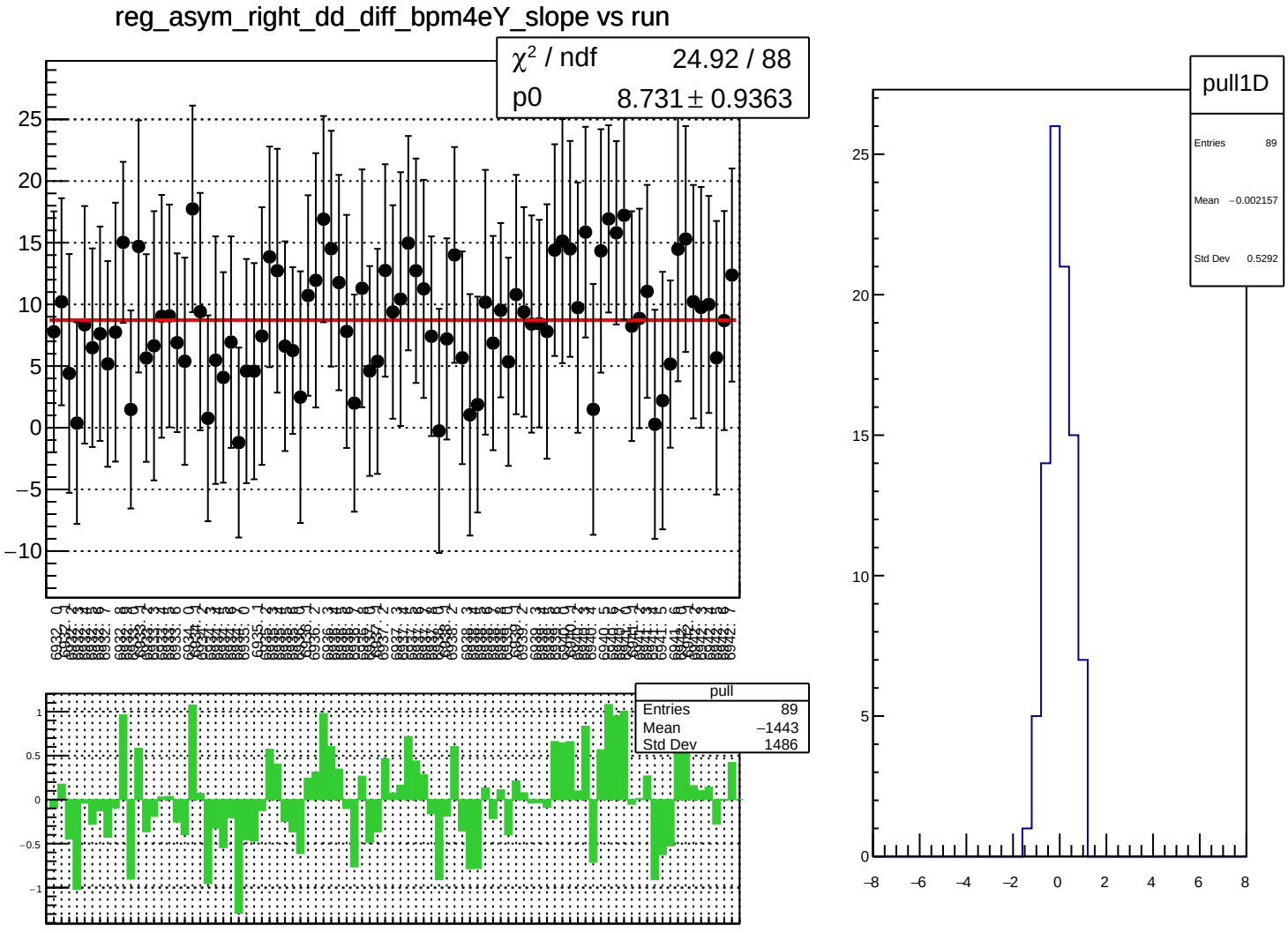

pull1D
Entries 89
Mean −0.02489
Std Dev 0.7193

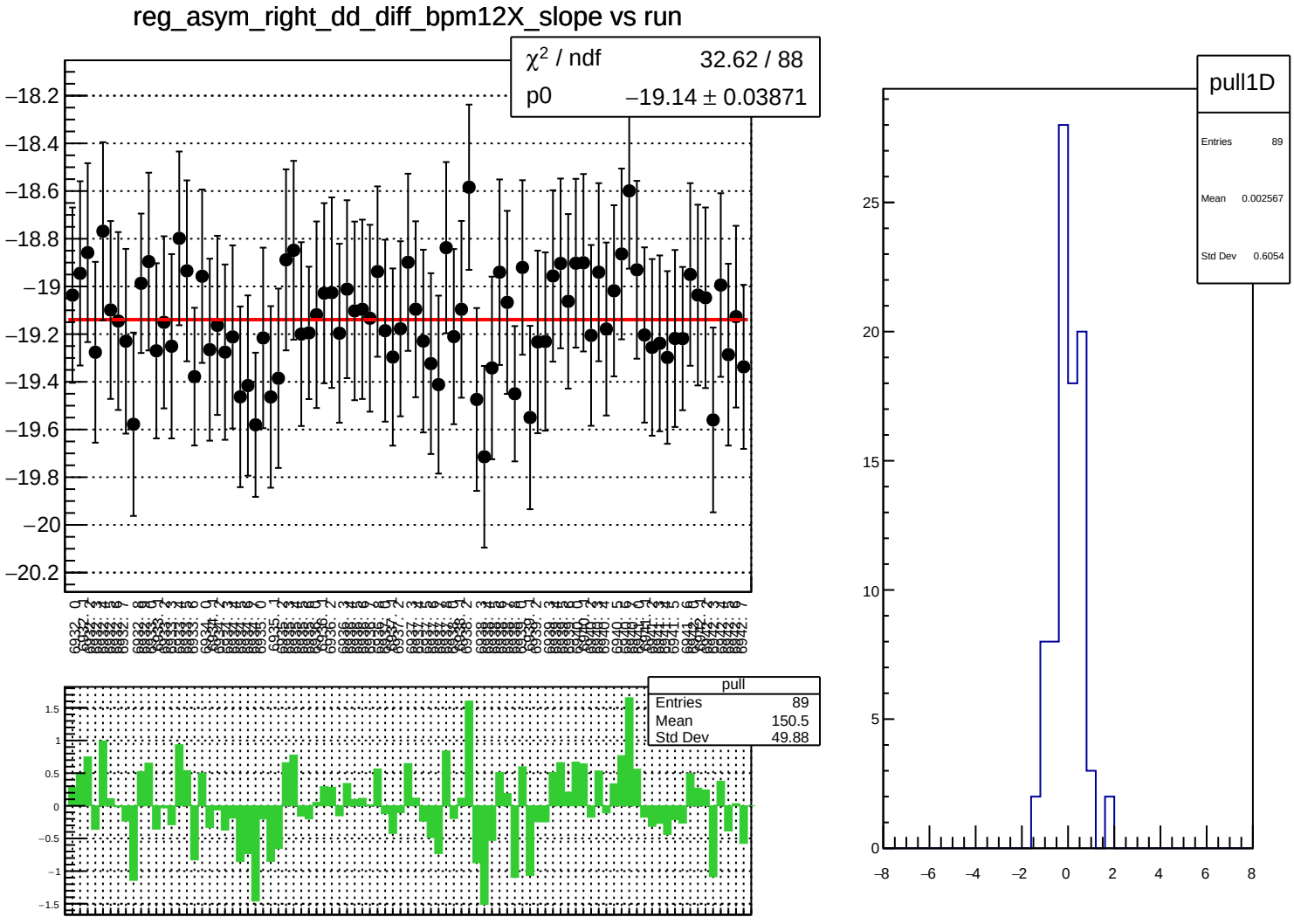

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 24.94 / 88
p0 0.596 ± 0.8091
pull
Entries 89
Mean −584.7
Std Dev 625.9

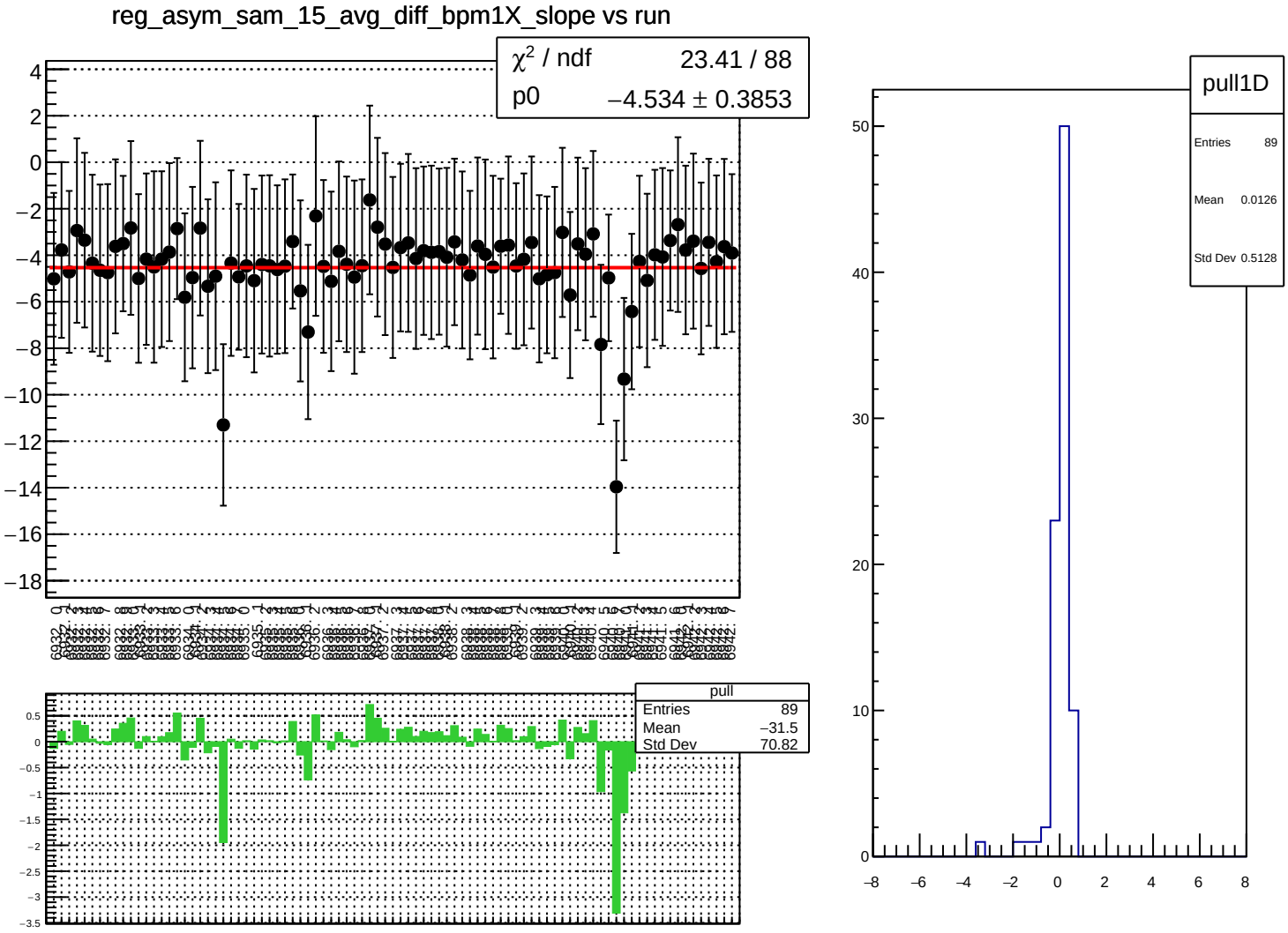

pull1D
Entries 89
Mean 0.005183
Std Dev 0.5294


reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 46.25 / 88
p0 60.39 ± 1.103
pull
Entries 89
Mean −84.12
Std Dev 122.9

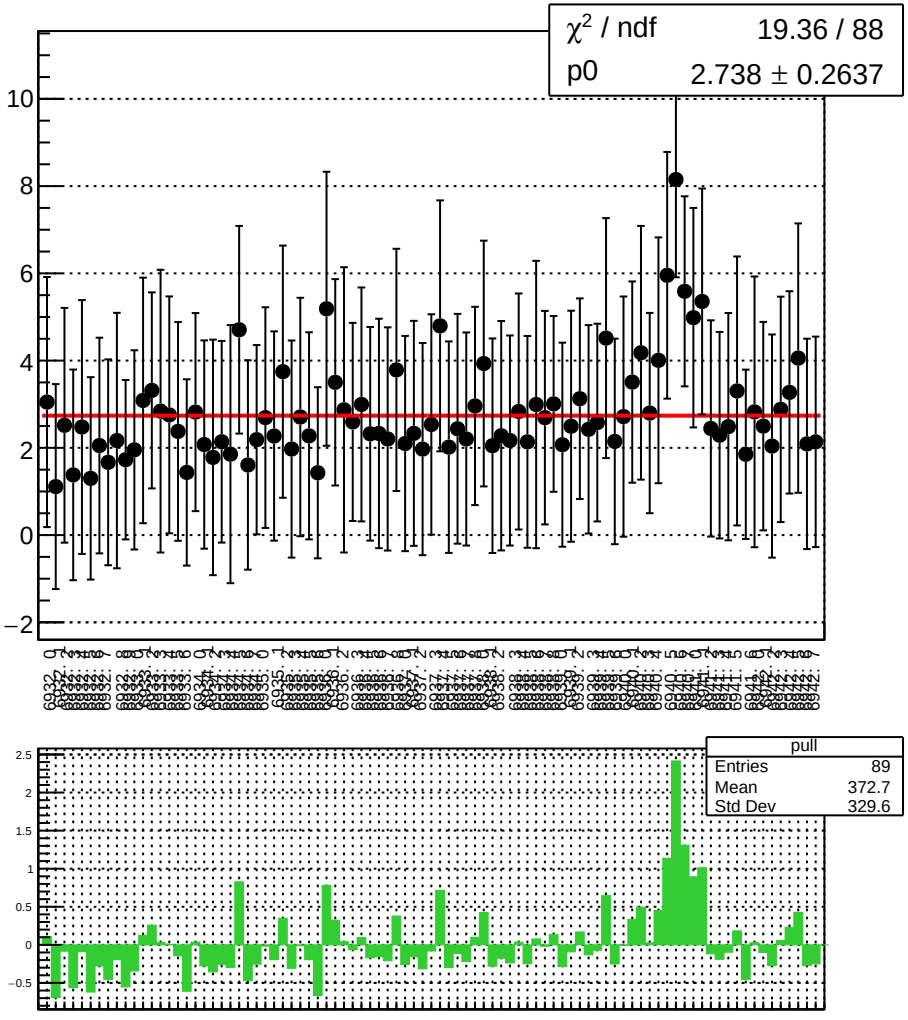

pull1D
Entries 89
Mean 0.02534
Std Dev 0.7205

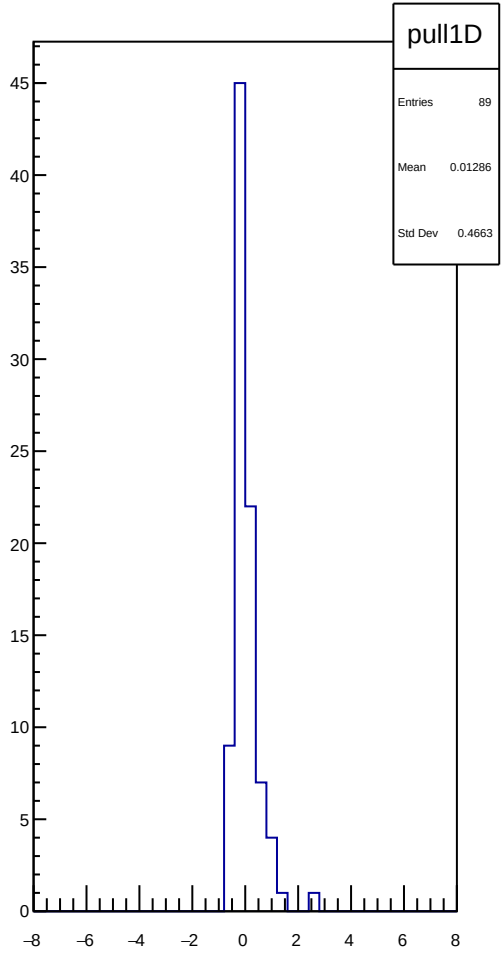

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.92 / 88
p0 8.731 ± 0.9363
pull
Entries 89
Mean −1443
Std Dev 1486
pull1D
Entries 89
Mean −0.002157
Std Dev 0.5292

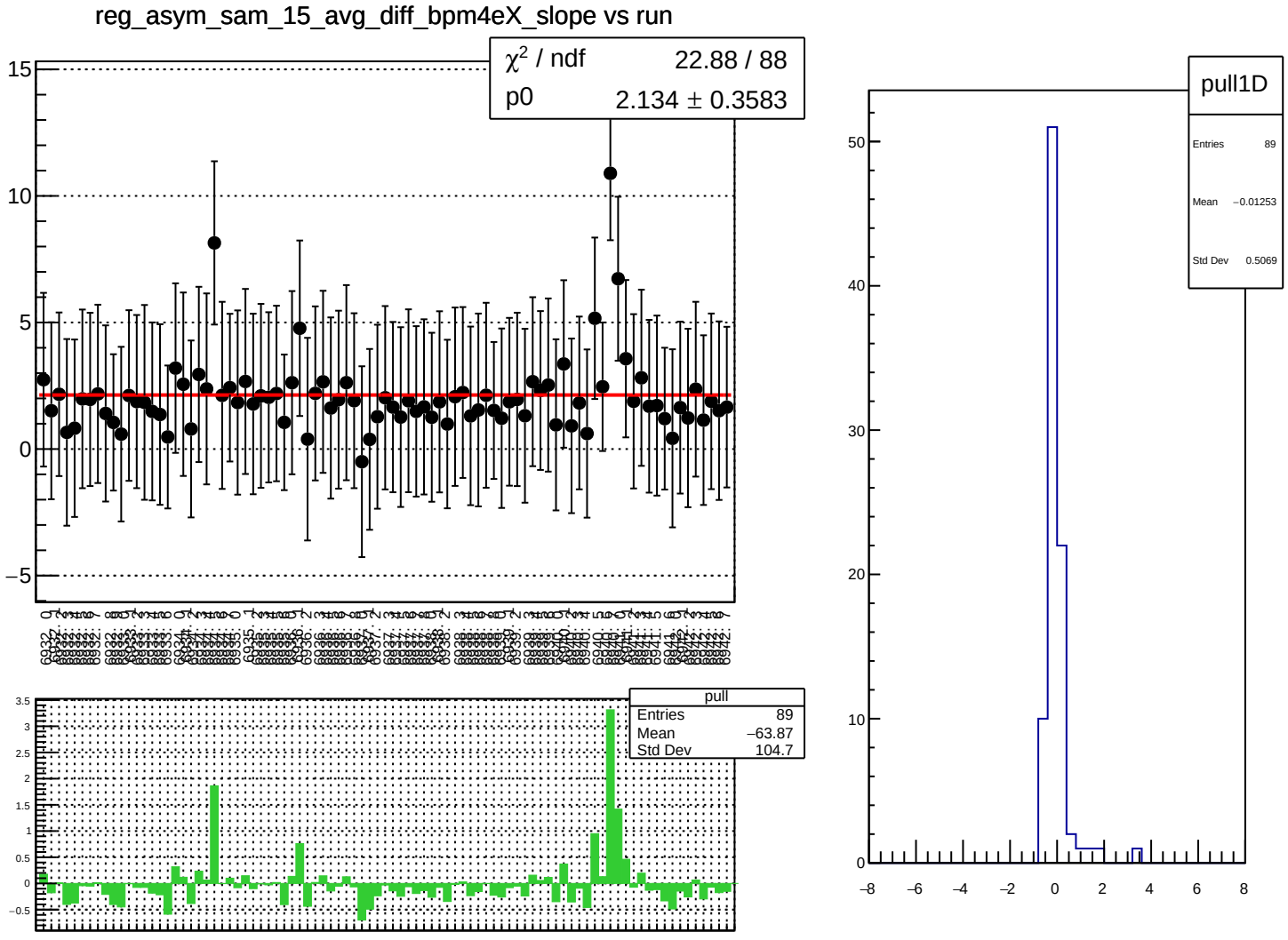

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 32.62 / 88
p0 −19.14 ± 0.03871
pull
Entries 89
Mean 150.5
Std Dev 49.88
pull1D
Entries 89
Mean 0.002567
Std Dev 0.6054

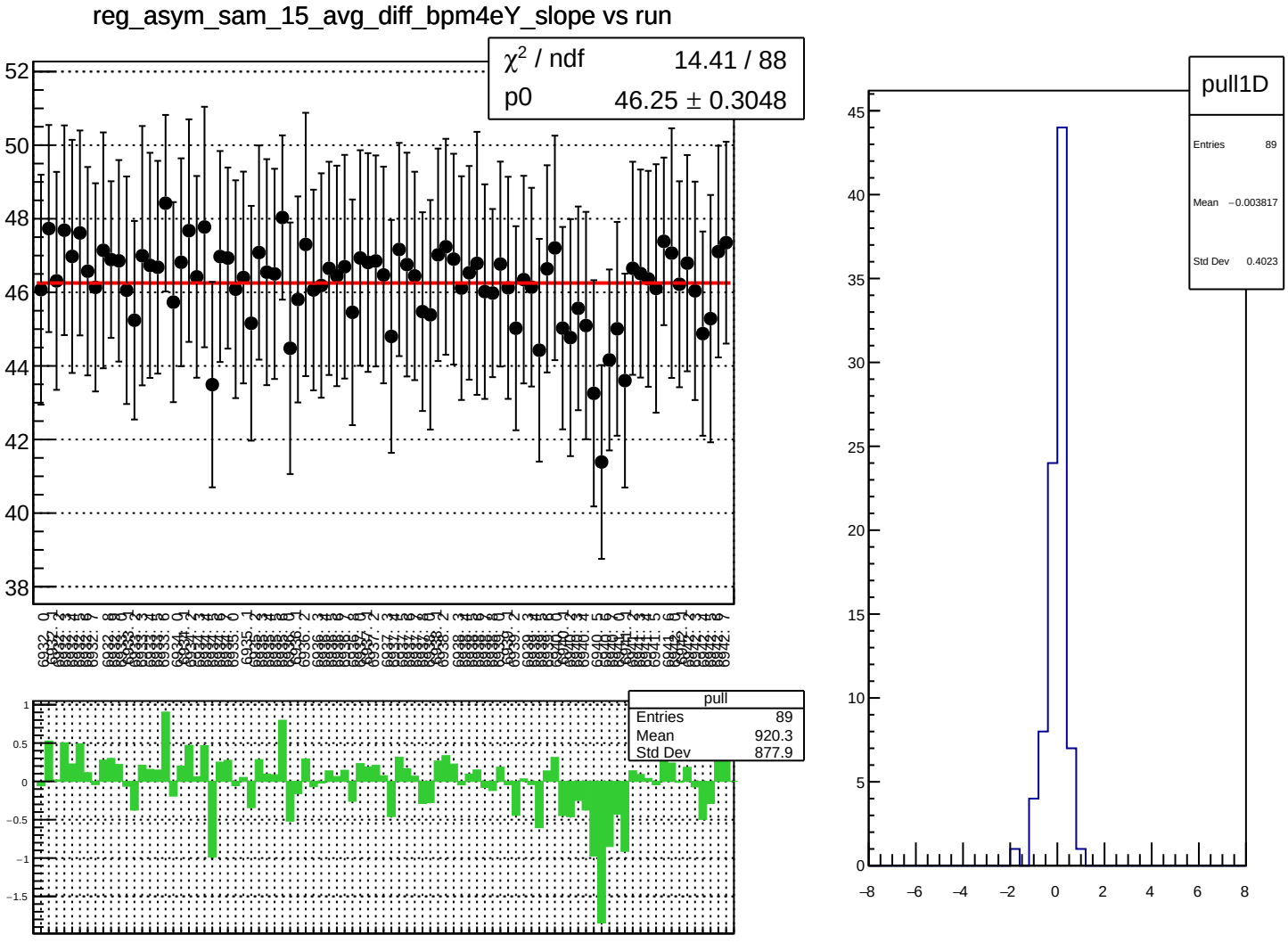

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 23.41 / 88
p0 −4.534 ± 0.3853
pull
Entries 89
Mean −31.5
Std Dev 70.82
pull1D
Entries 89
Mean 0.0126
Std Dev 0.5128

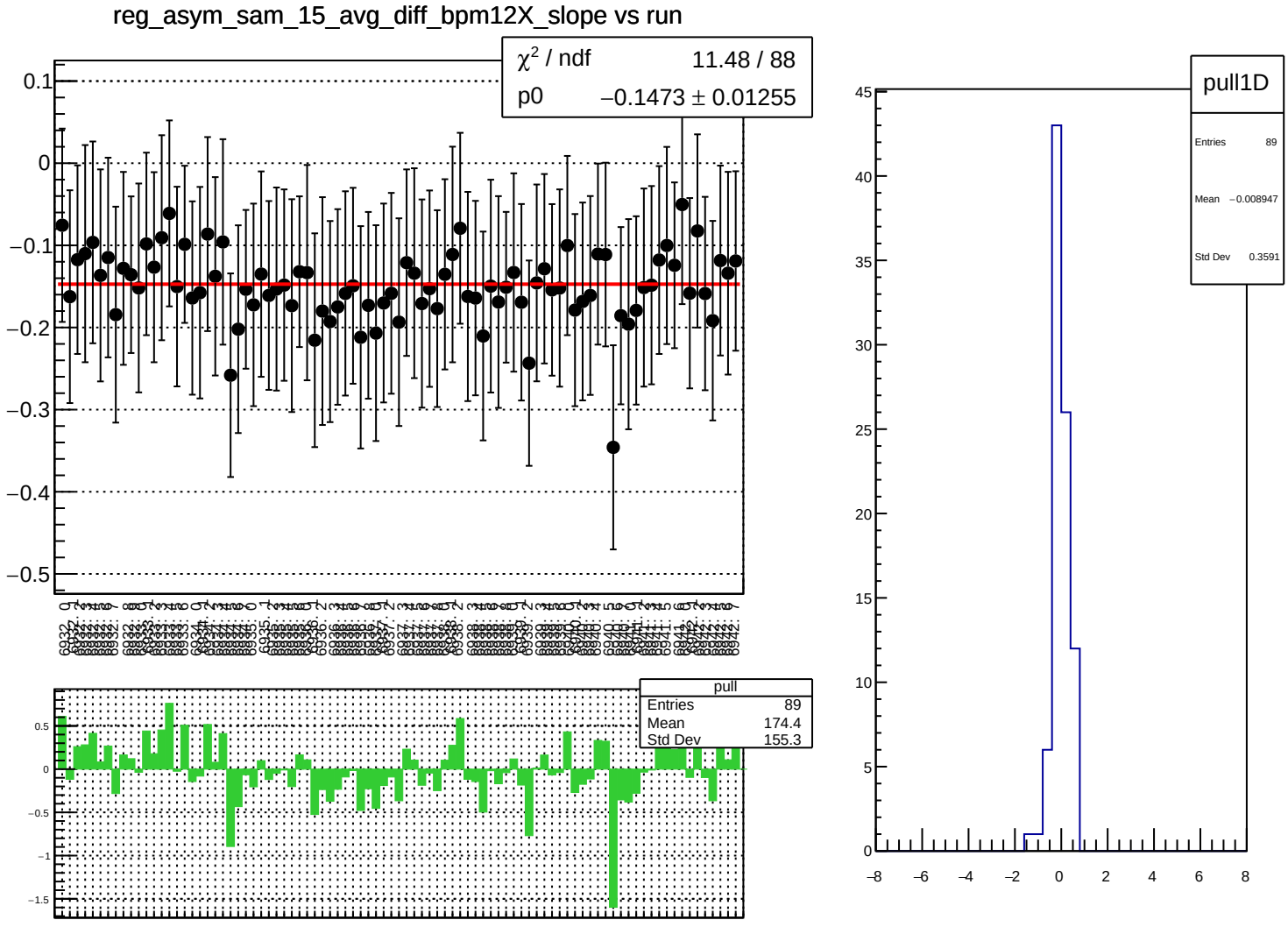
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

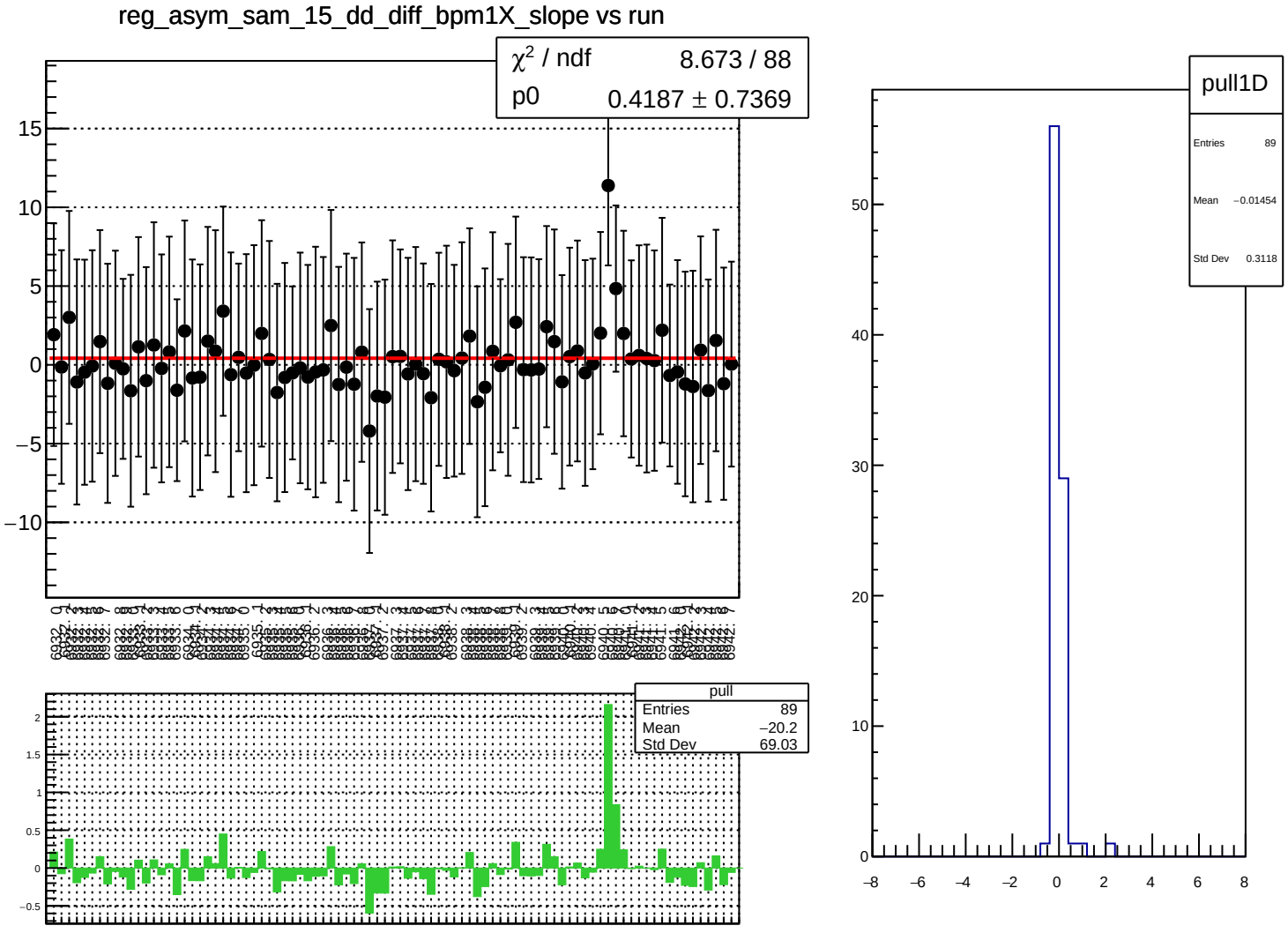


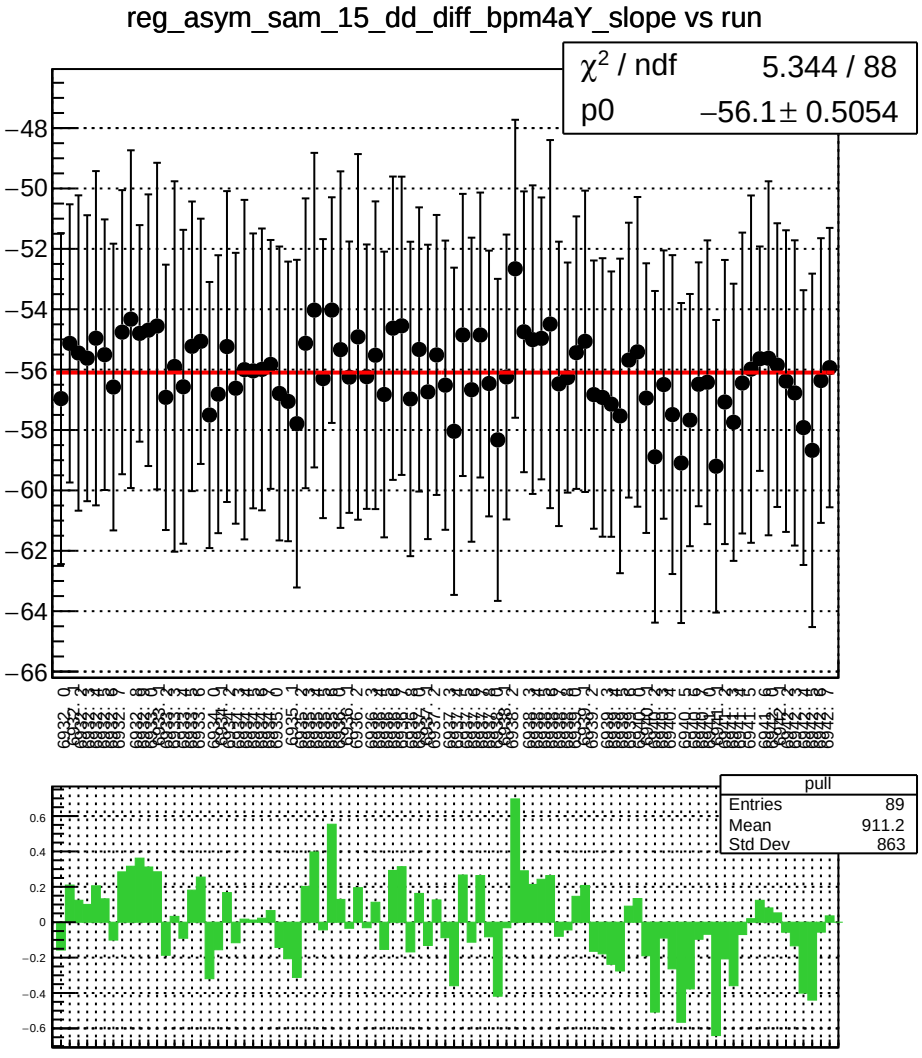


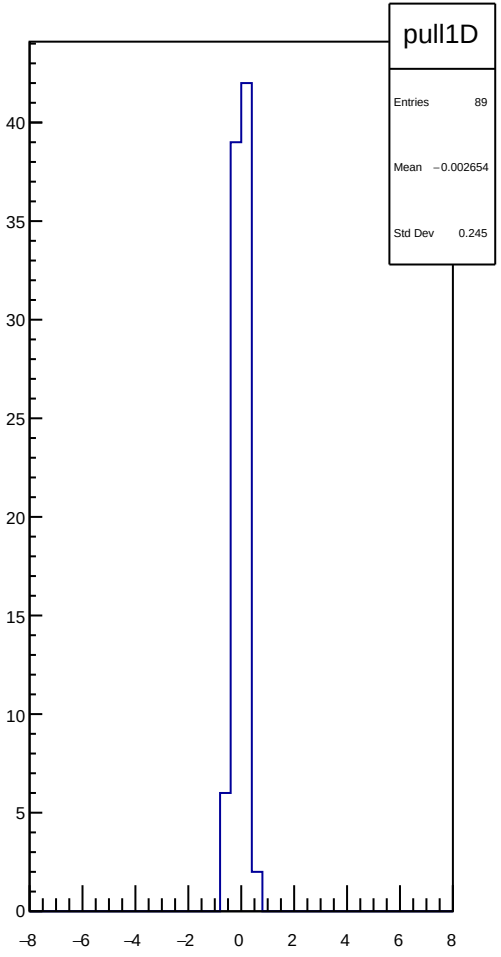

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.88 / 88
p0 2.134 ± 0.3583
pull
Entries 89
Mean −63.87
Std Dev 104.7
pull1D
Entries 89
Mean −0.01253
Std Dev 0.5069

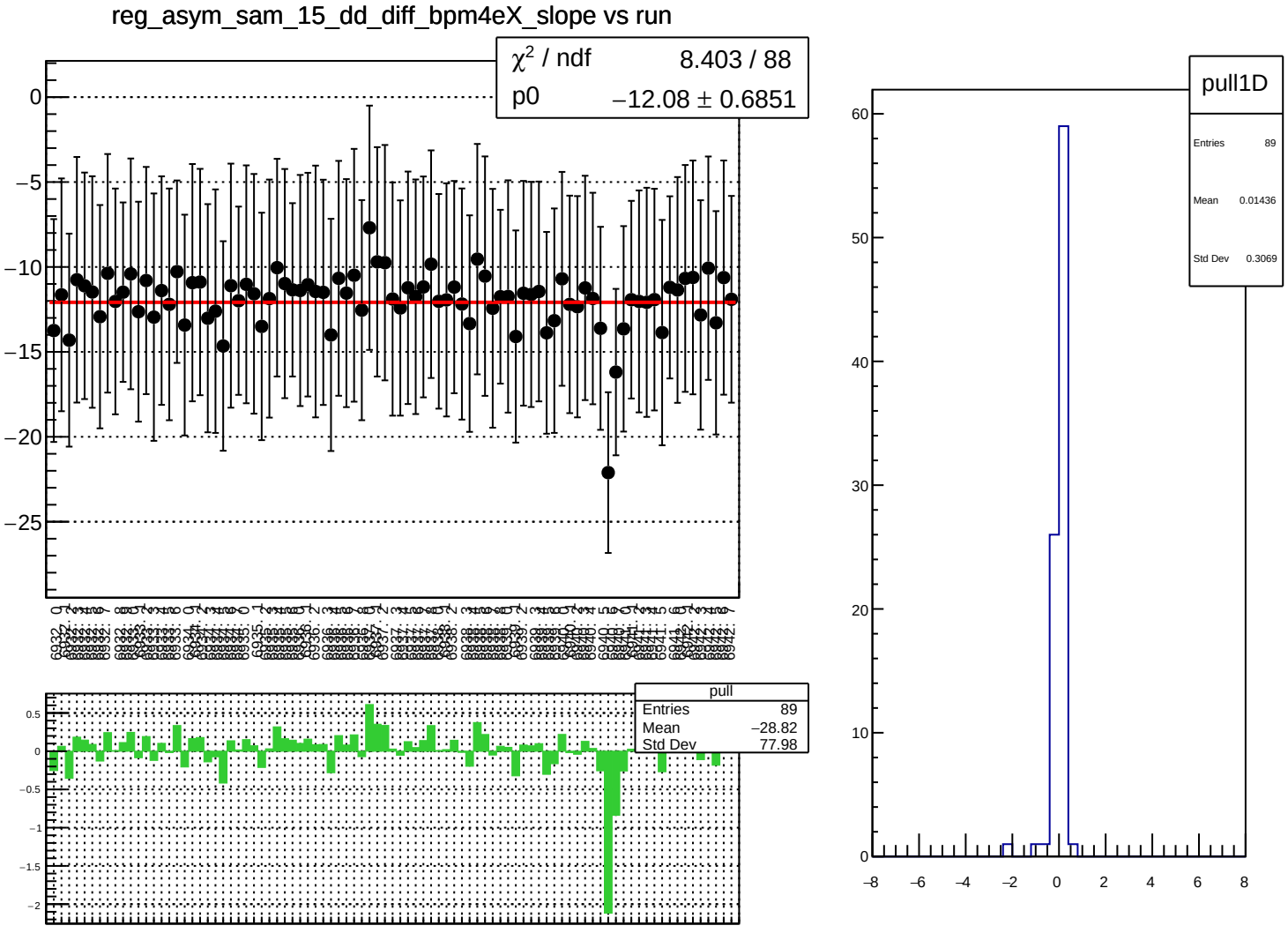

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.41 / 88
p0 46.25 ± 0.3048
pull
Entries 89
Mean 920.3
Std Dev 877.9
pull1D
Entries 89
Mean −0.003817
Std Dev 0.4023

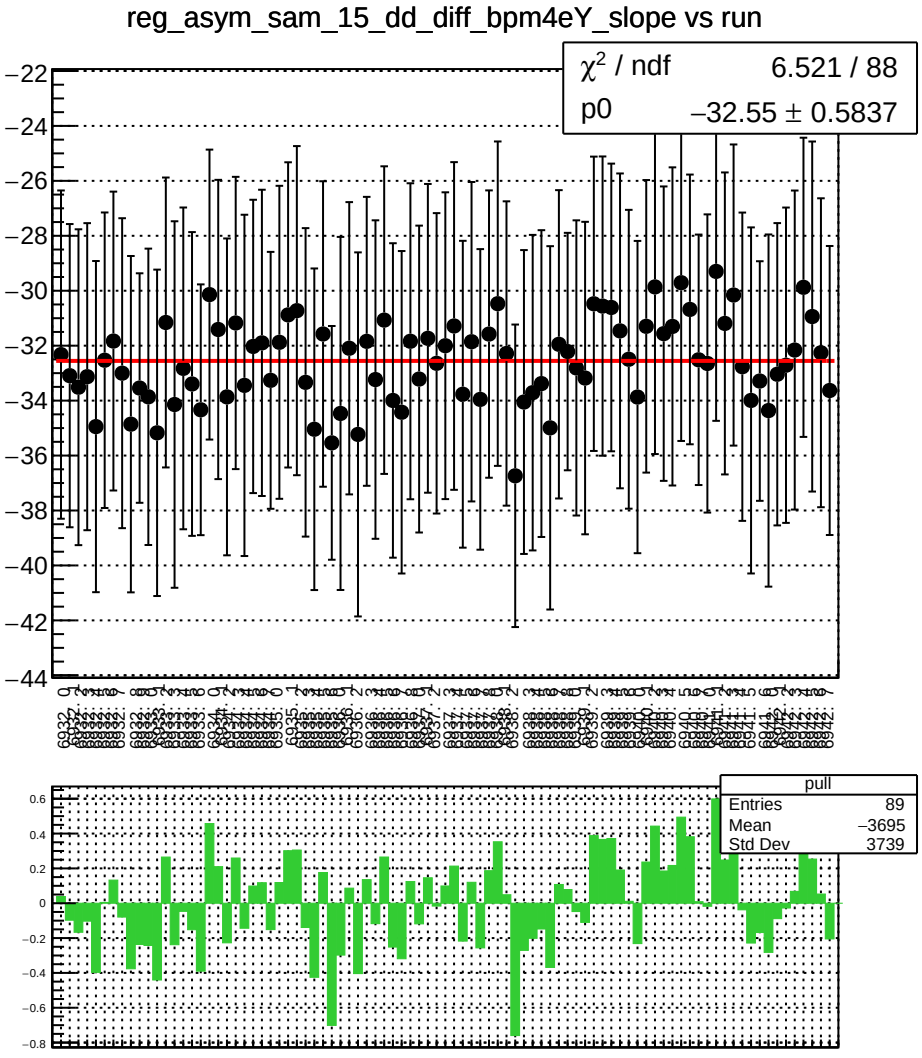

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.48 / 88
p0 −0.1473 ± 0.01255
pull
Entries 89
Mean 174.4
Std Dev 155.3
pull1D
Entries 89
Mean −0.008947
Std Dev 0.3591

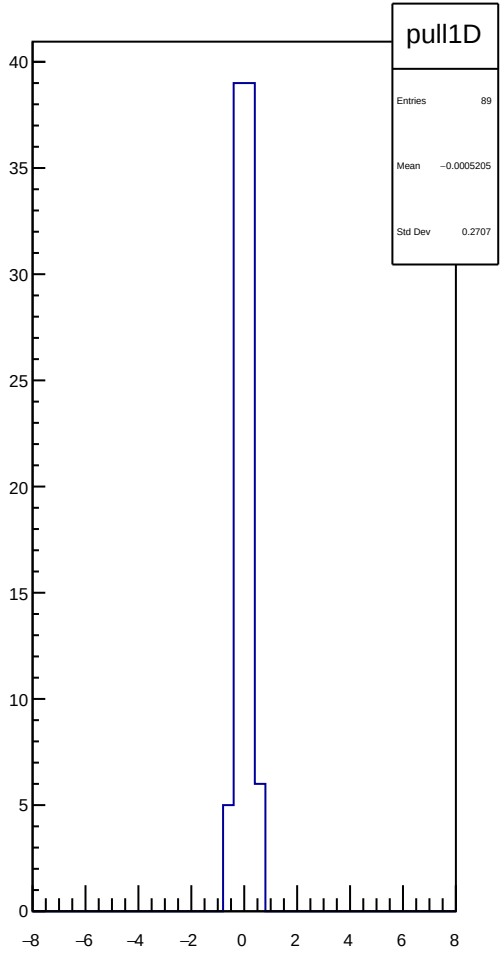

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.673 / 88
p0 0.4187 ± 0.7369
pull
Entries 89
Mean −20.2
Std Dev 69.03
pull1D
Entries 89
Mean −0.01454
Std Dev 0.3118

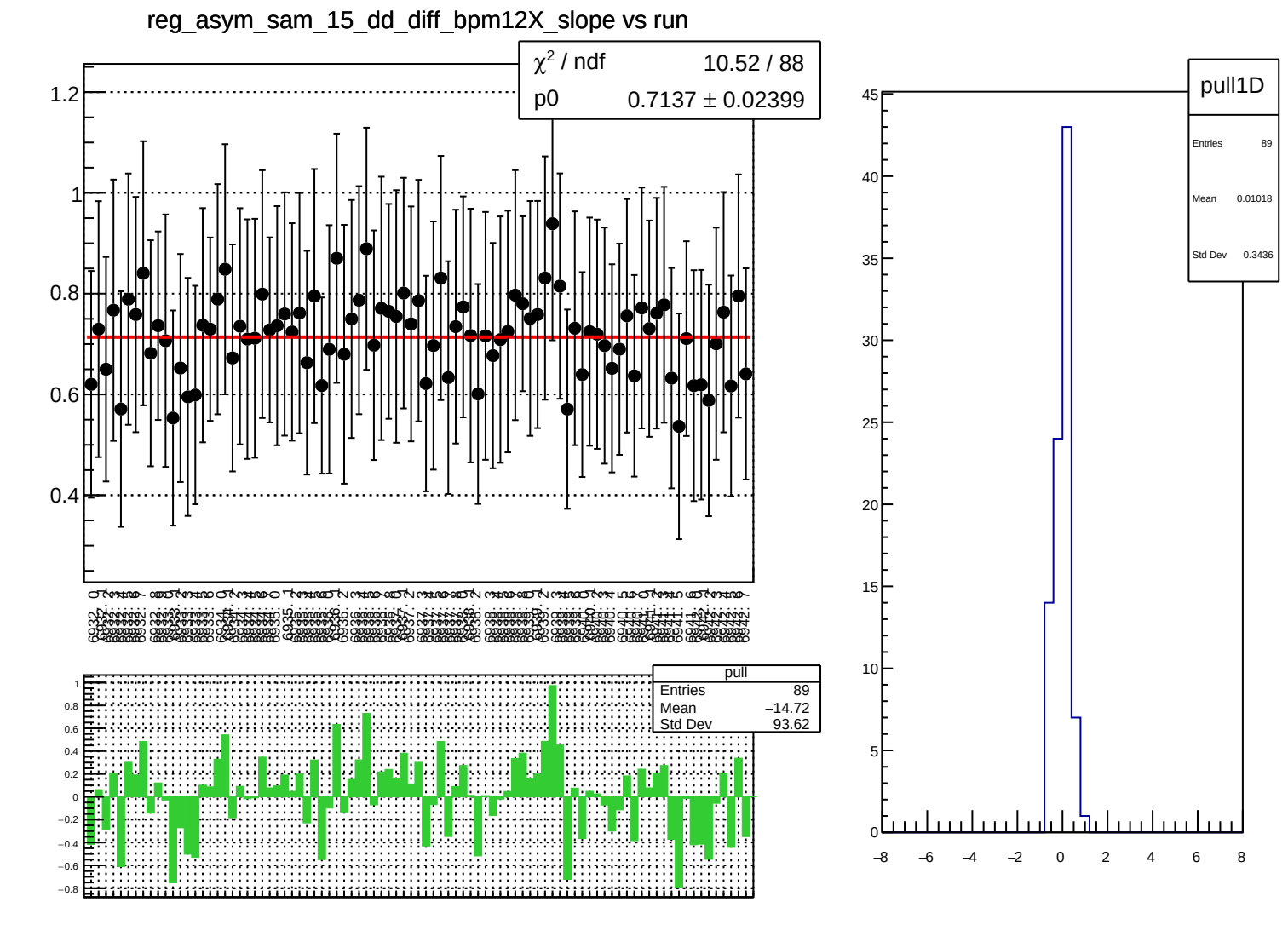

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.344 / 88
p0 −56.1 ± 0.5054
pull
Entries 89
Mean 911.2
Std Dev 863

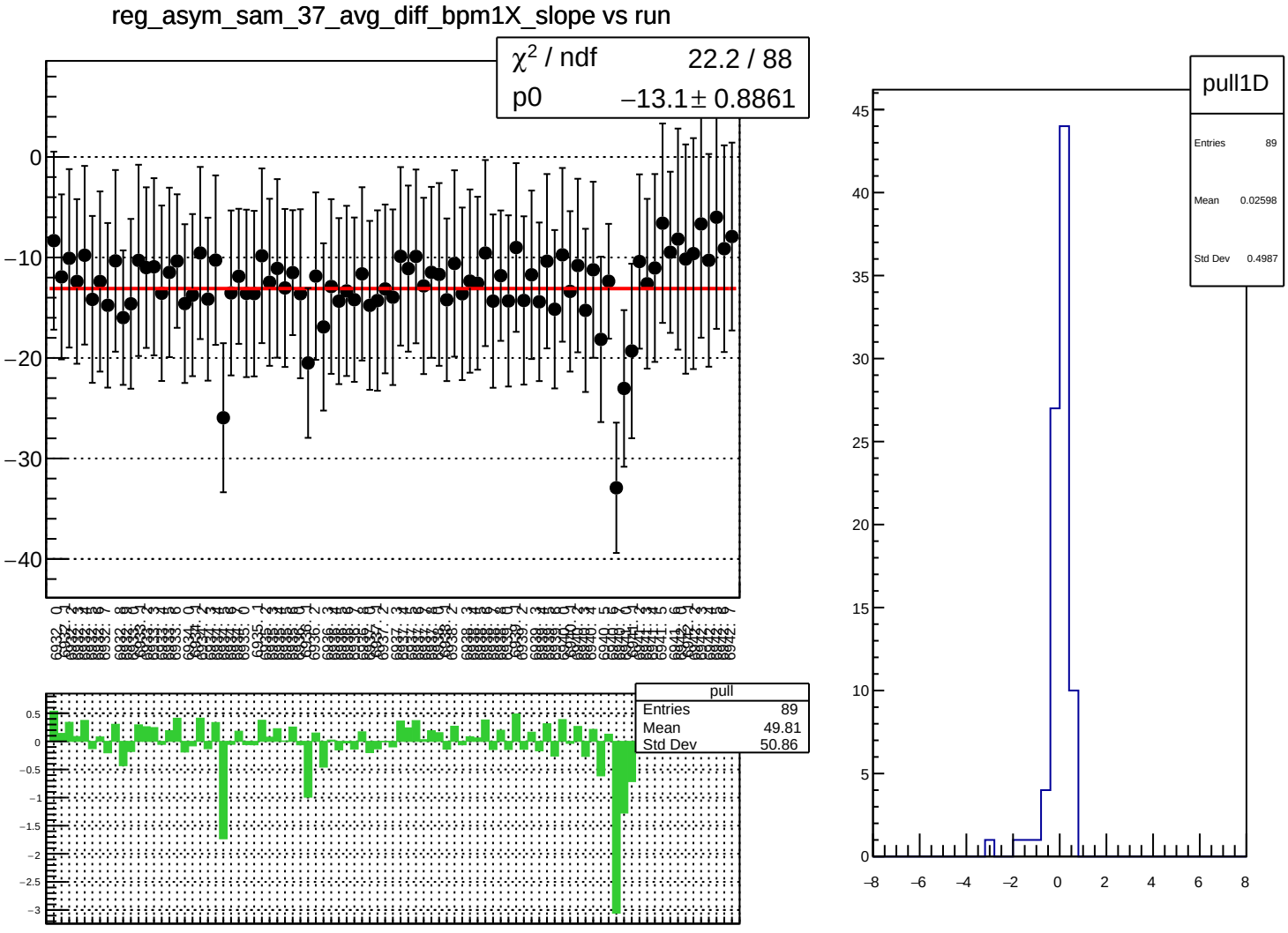

pull1D
Entries 89
Mean −0.002654
Std Dev 0.245

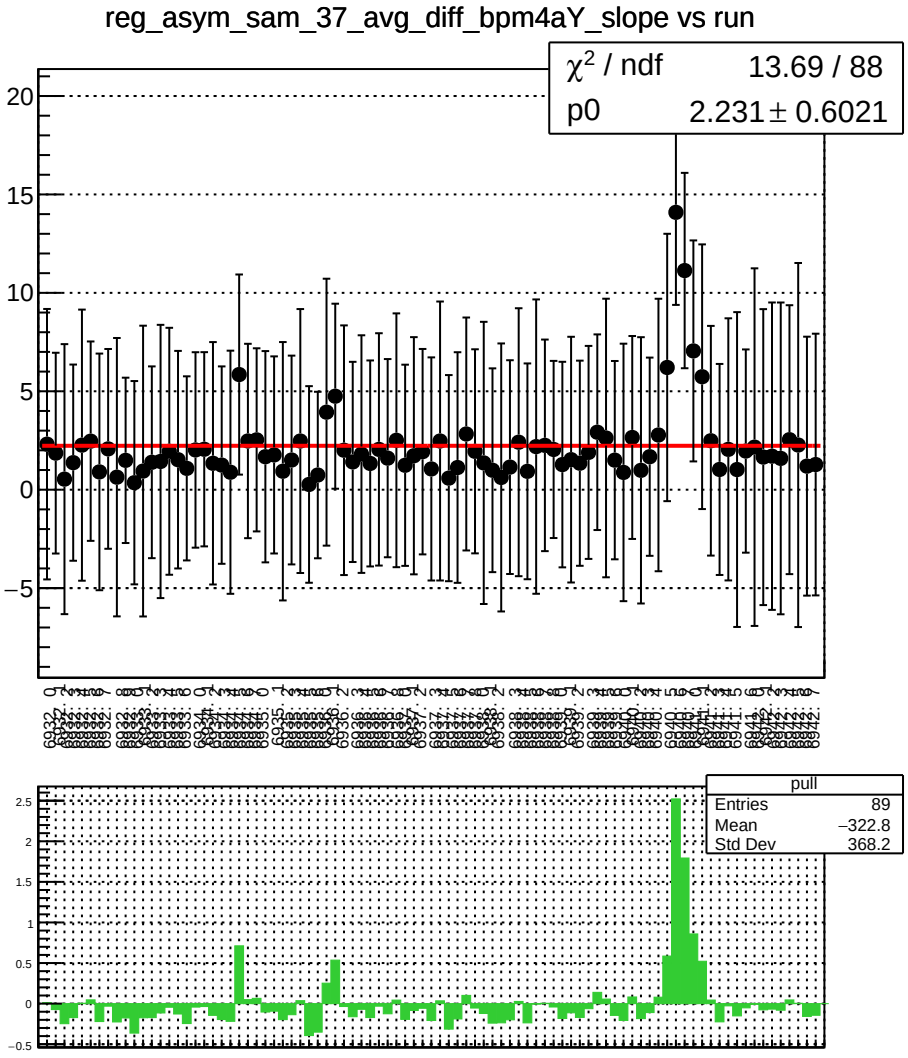

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.403 / 88
p0 −12.08 ± 0.6851
pull
Entries 89
Mean −28.82
Std Dev 77.98
pull1D
Entries 89
Mean 0.01436
Std Dev 0.3069

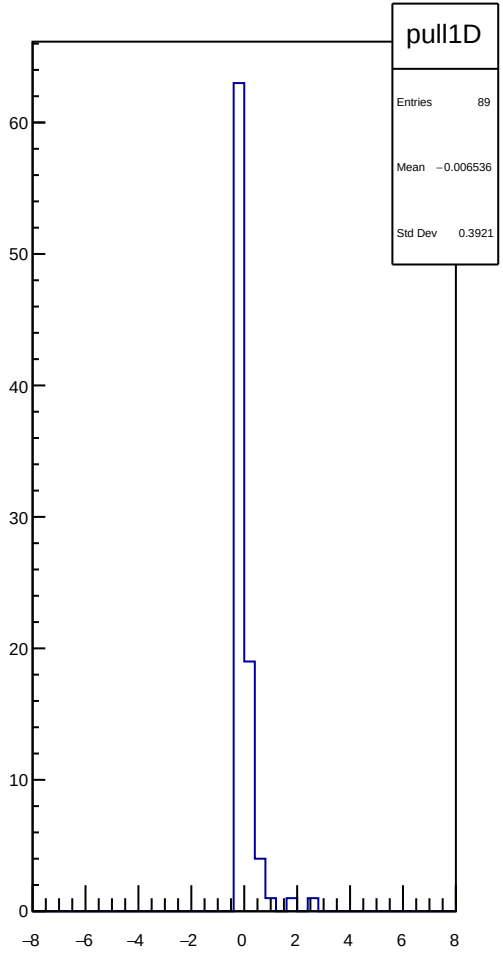

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.521 / 88
p0 −32.55 ± 0.5837
pull
Entries 89
Mean −3695
Std Dev 3739

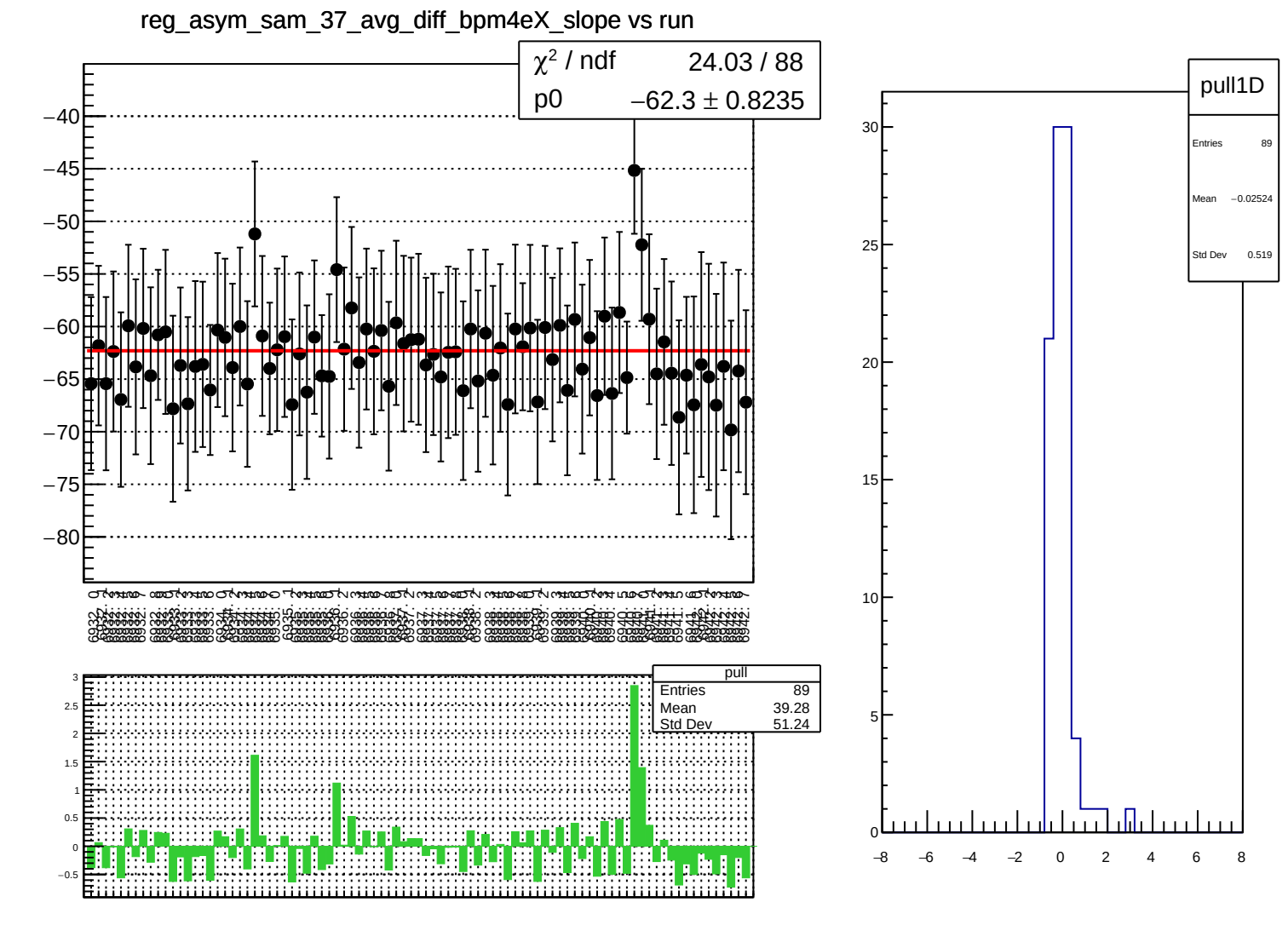

pull1D
Entries 89
Mean −0.0005205
Std Dev 0.2707

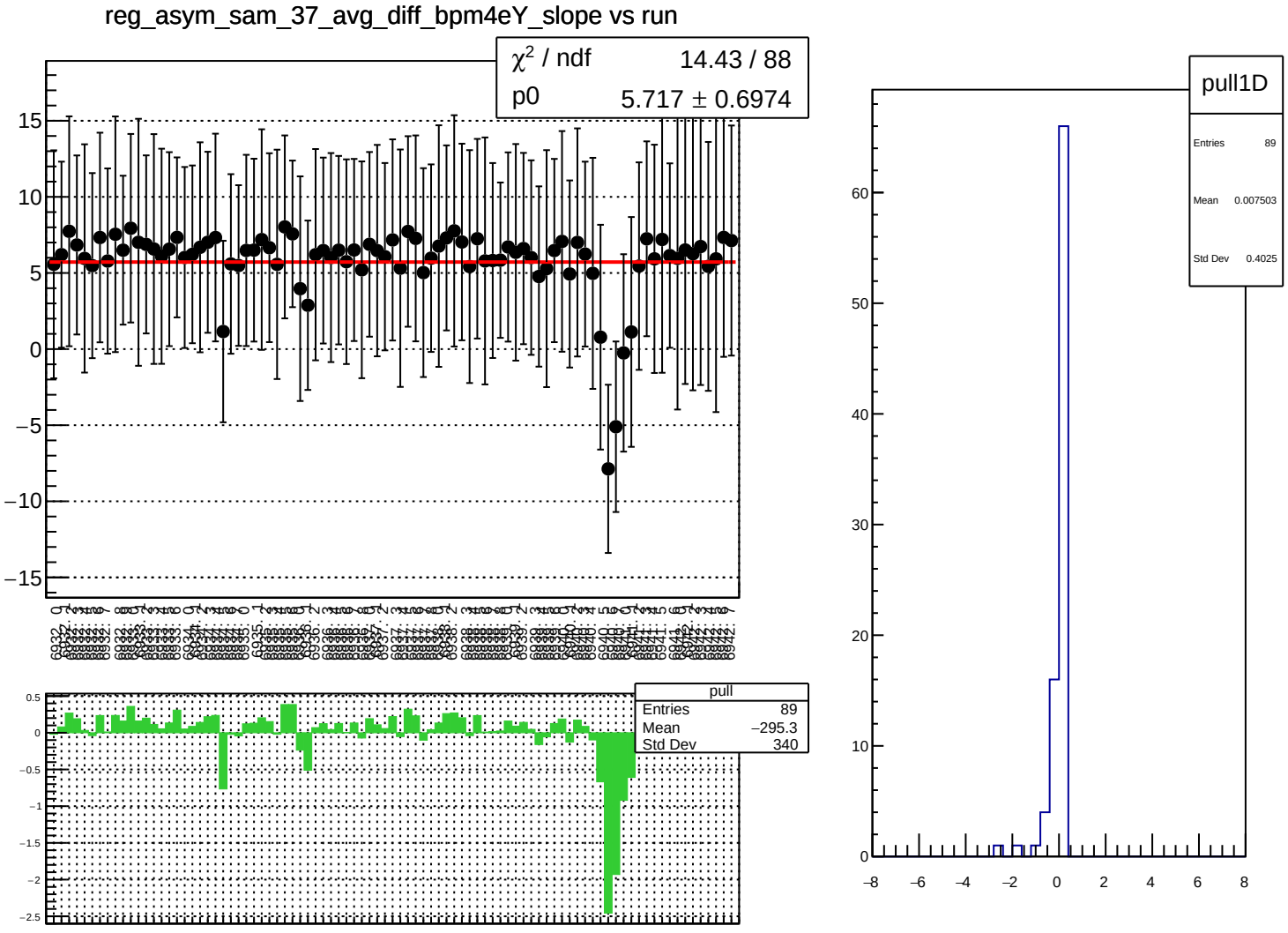

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.52 / 88
p0 0.7137 ± 0.02399
pull
Entries 89
Mean −14.72
Std Dev 93.62
pull1D
Entries 89
Mean 0.01018
Std Dev 0.3436

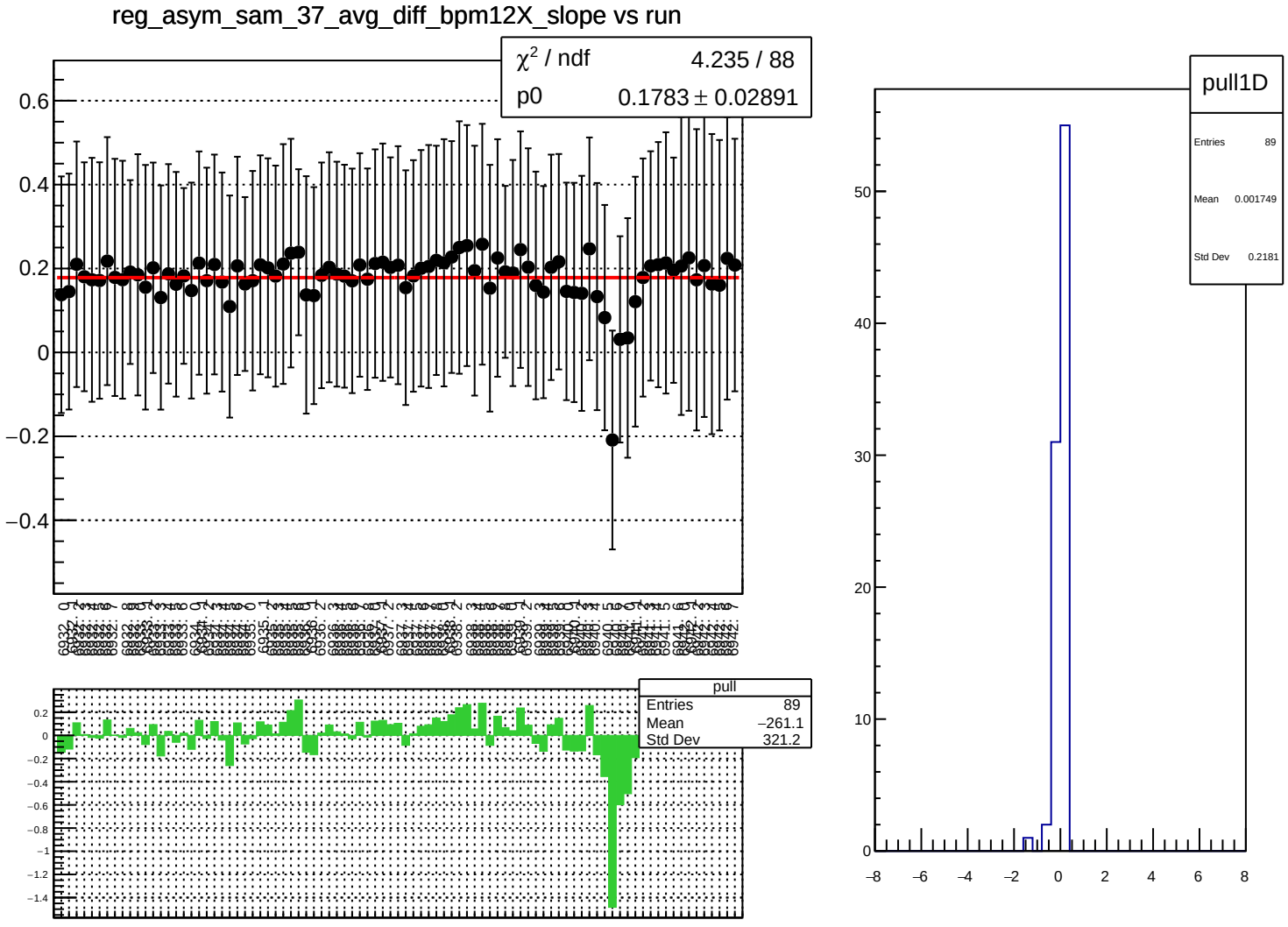

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 22.2 / 88
p0 −13.1 ± 0.8861
pull
Entries 89
Mean 49.81
Std Dev 50.86
pull1D
Entries 89
Mean 0.02598
Std Dev 0.4987

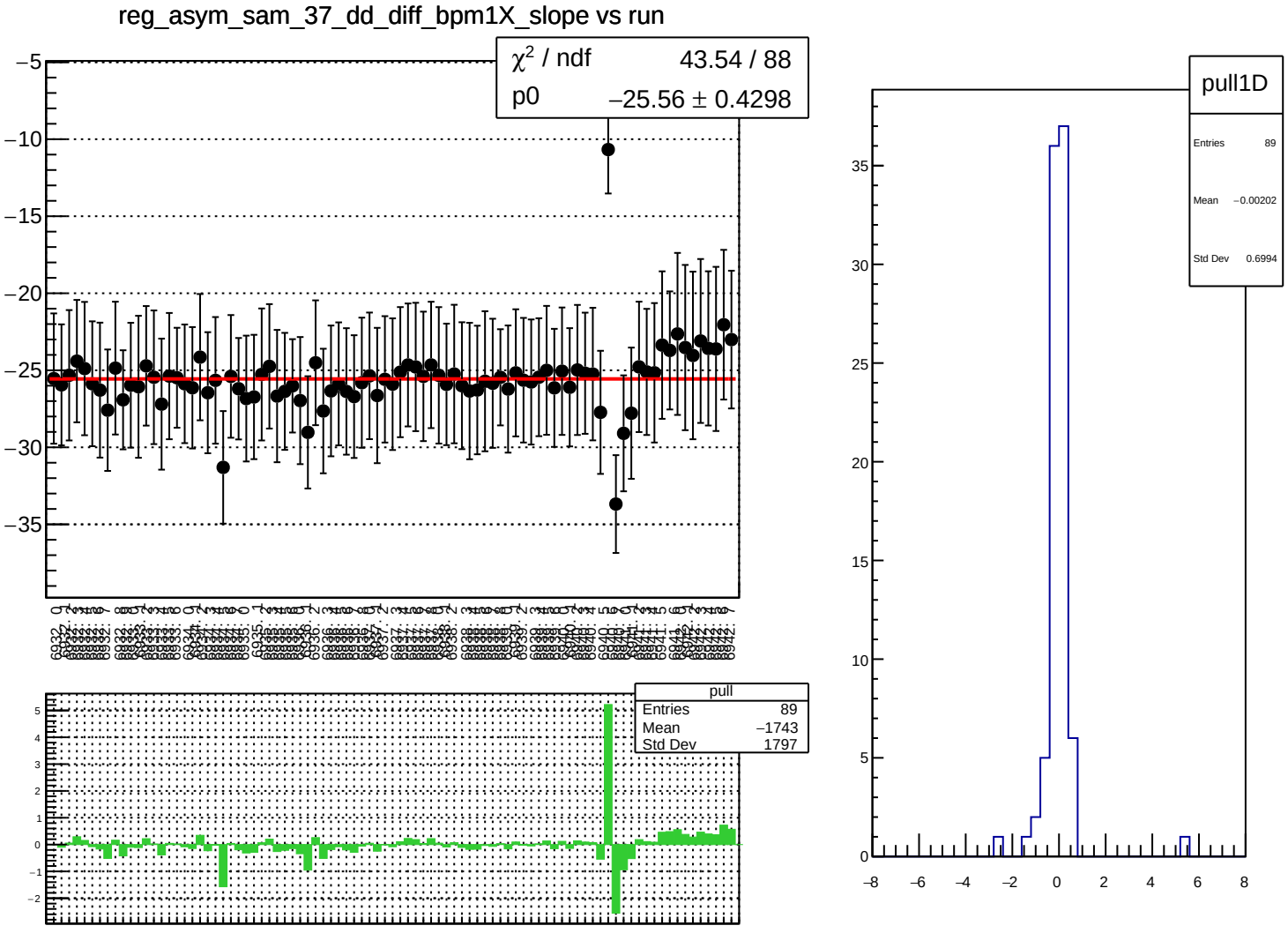

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.69 / 88
p0 2.231 ± 0.6021
pull
Entries 89
Mean −322.8
Std Dev 368.2

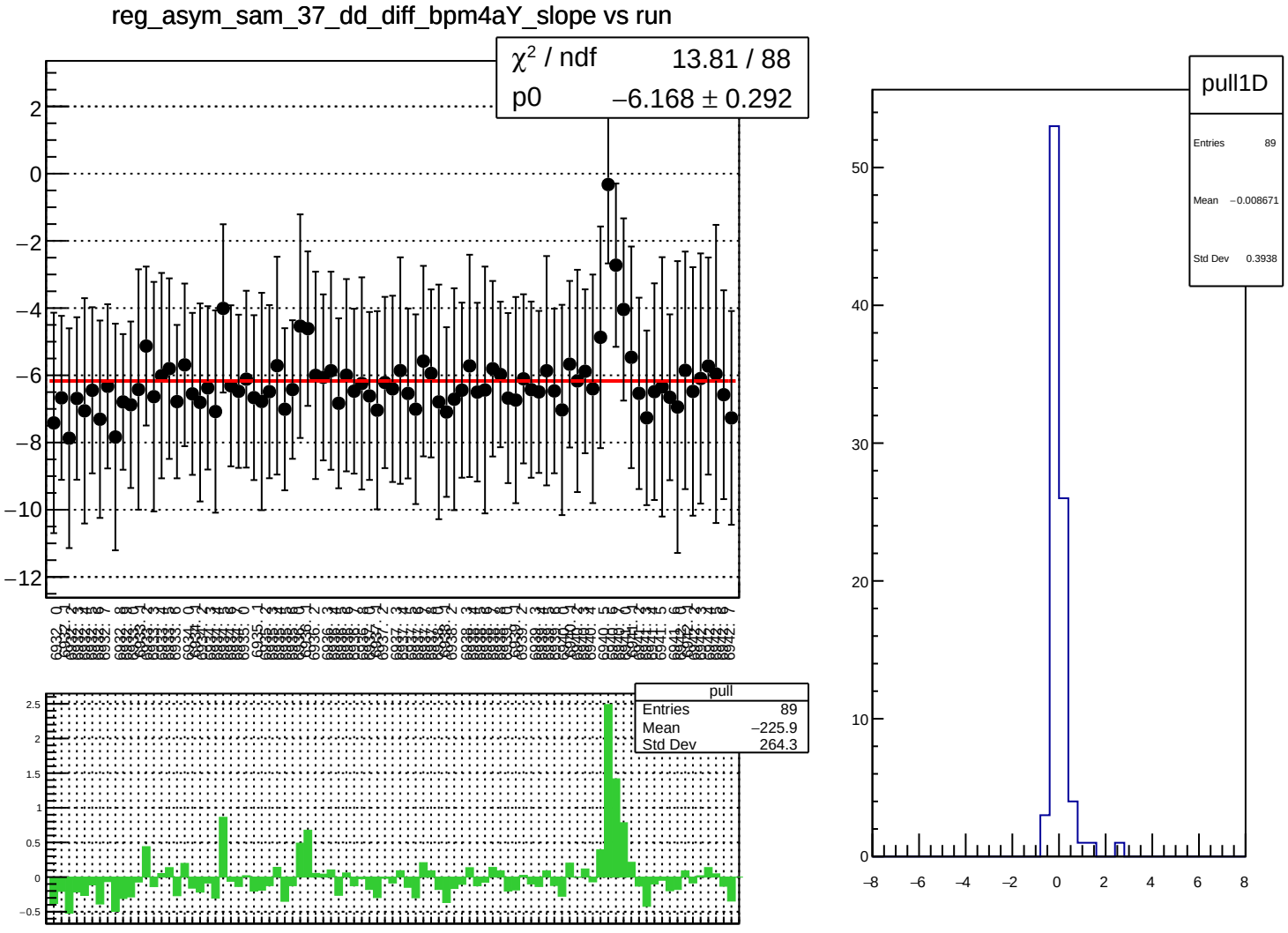

pull1D
Entries 89
Mean −0.006536
Std Dev 0.3921

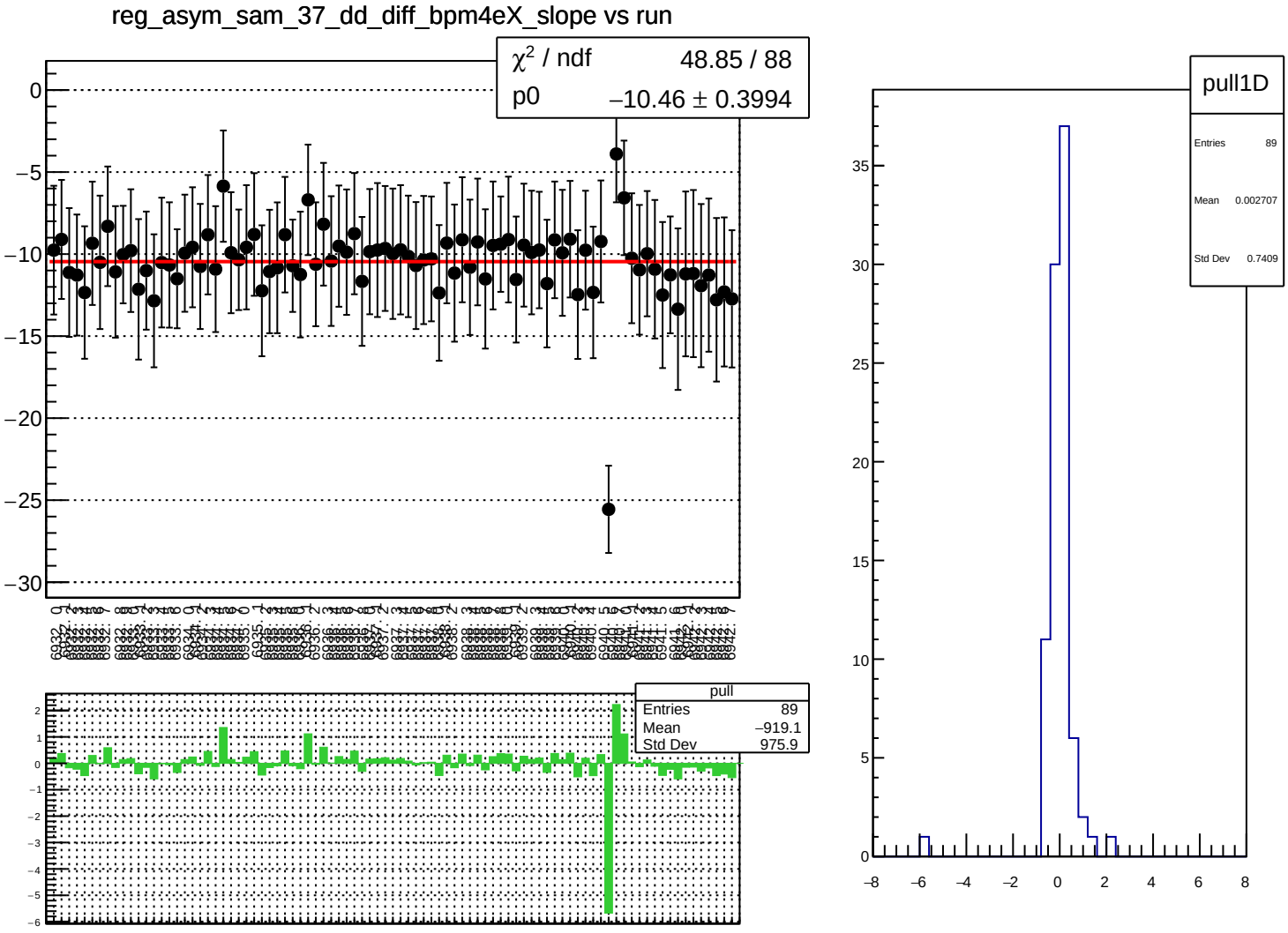

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.03 / 88
p0 −62.3 ± 0.8235
pull
Entries 89
Mean 39.28
Std Dev 51.24
pull1D
Entries 89
Mean −0.02524
Std Dev 0.519

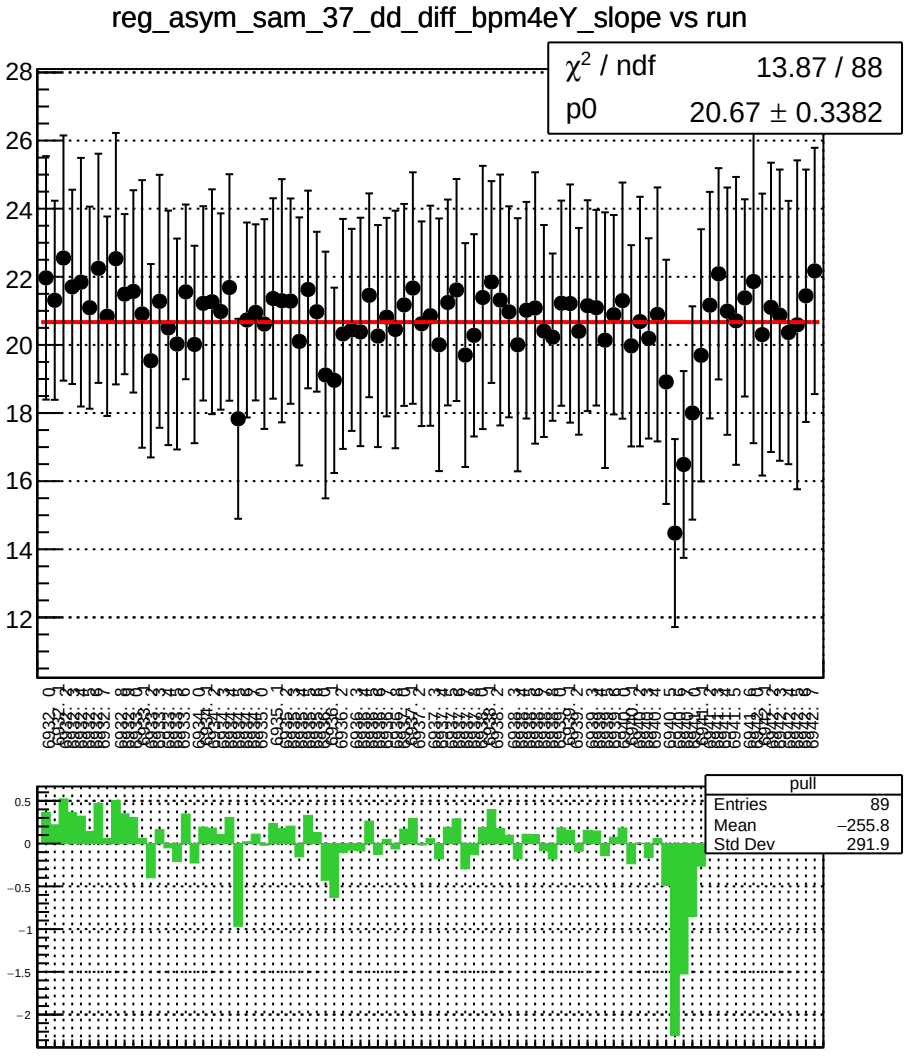

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.43 / 88
p0 5.717 ± 0.6974
pull
Entries 89
Mean −295.3
Std Dev 340
pull1D
Entries 89
Mean 0.007503
Std Dev 0.4025

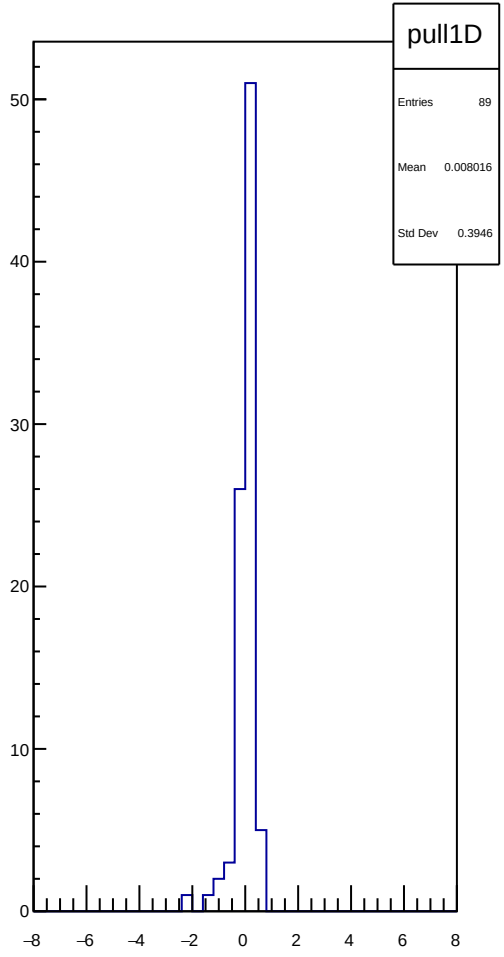

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.235 / 88
p0 0.1783 ± 0.02891
pull
Entries 89
Mean −261.1
Std Dev 321.2
pull1D
Entries 89
Mean 0.001749
Std Dev 0.2181

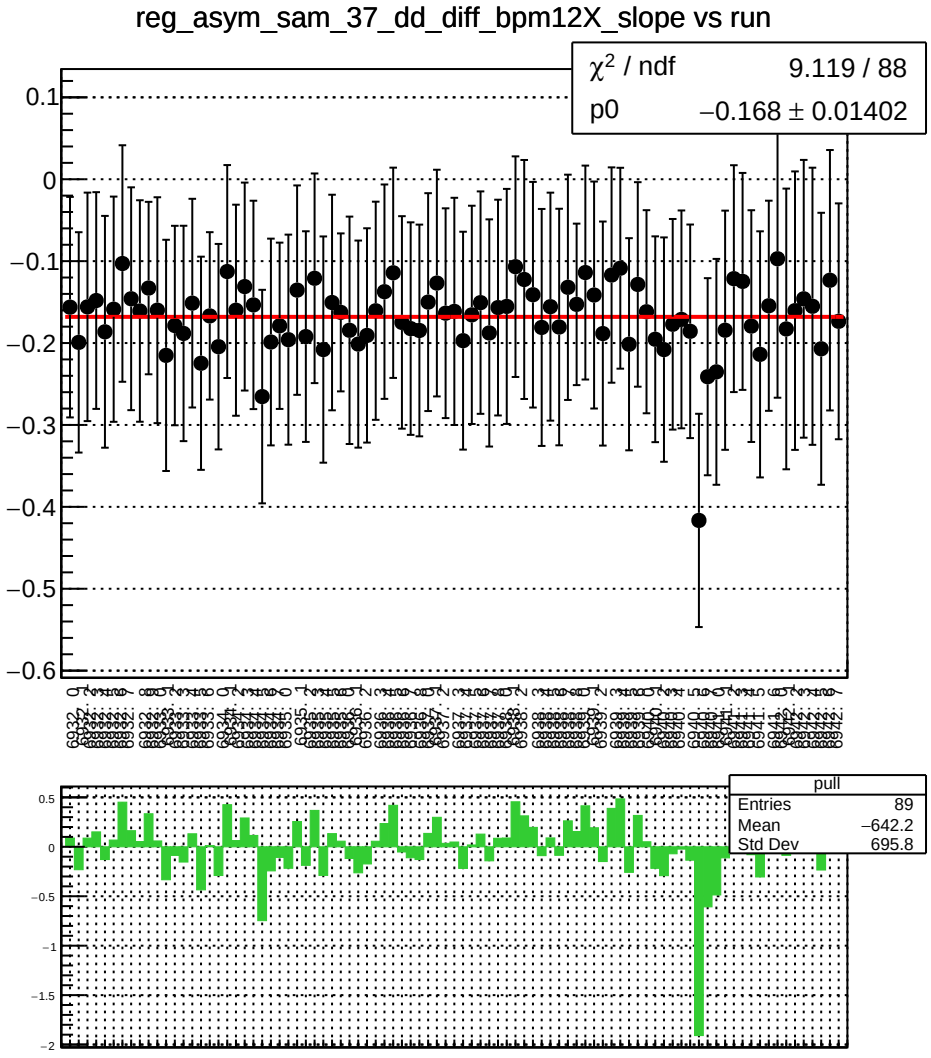

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 43.54 / 88
p0 −25.56 ± 0.4298
pull
Entries 89
Mean −1743
Std Dev 1797
pull1D
Entries 89
Mean −0.00202
Std Dev 0.6994

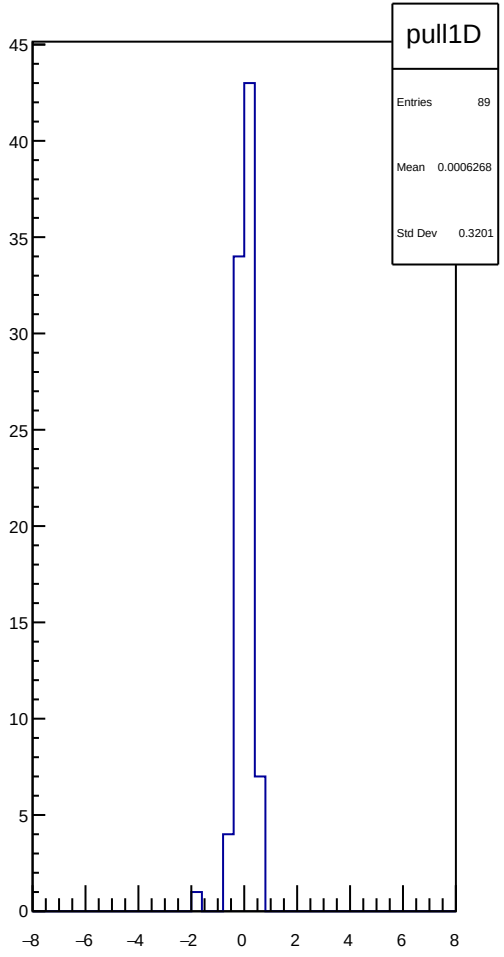

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.81 / 88
p0 −6.168 ± 0.292
pull
Entries 89
Mean −225.9
Std Dev 264.3
pull1D
Entries 89
Mean −0.008671
Std Dev 0.3938

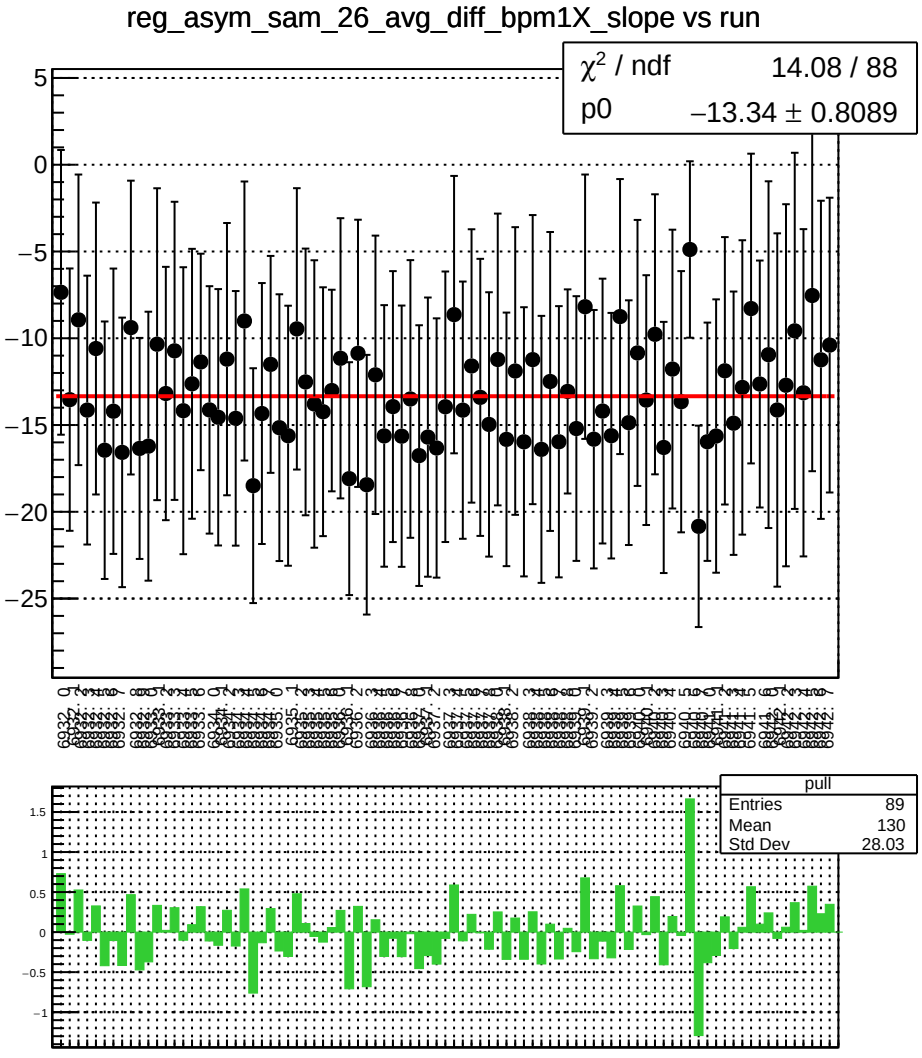

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.85 / 88
p0 −10.46 ± 0.3994
pull
Entries 89
Mean −919.1
Std Dev 975.9
pull1D
Entries 89
Mean 0.002707
Std Dev 0.7409

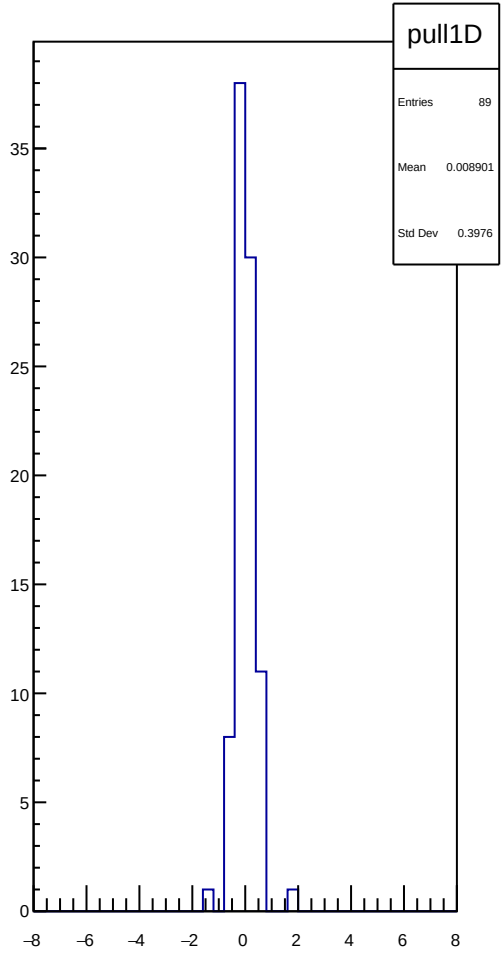

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.87 / 88
p0 20.67 ± 0.3382
pull
Entries 89
Mean −255.8
Std Dev 291.9

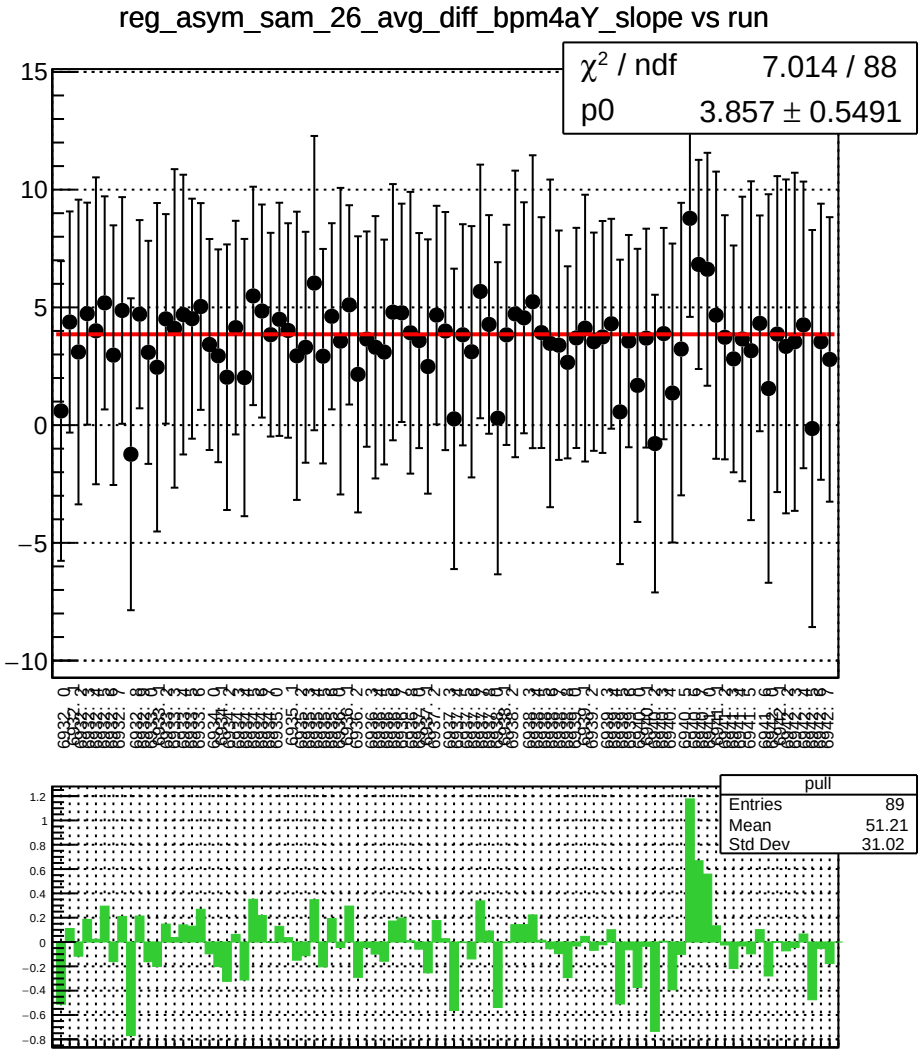

pull1D
Entries 89
Mean 0.008016
Std Dev 0.3946

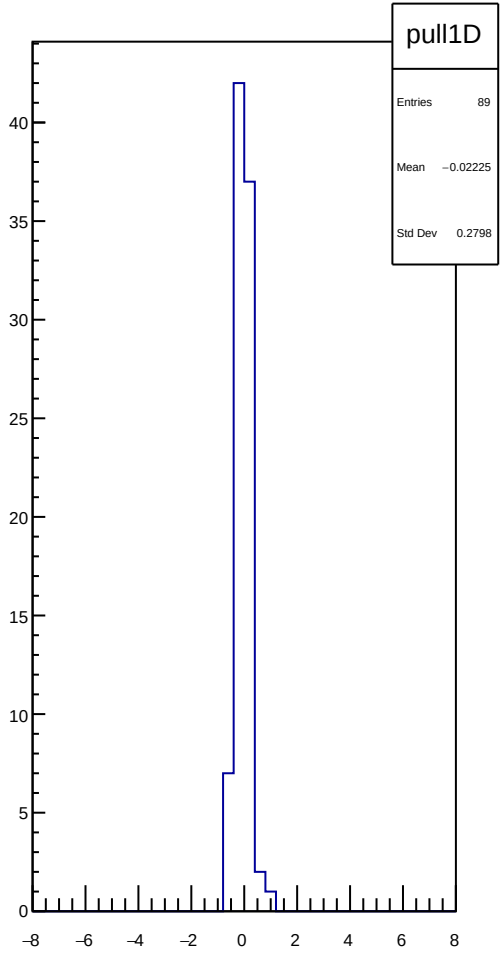

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.119 / 88
p0 −0.168 ± 0.01402
pull
Entries 89
Mean −642.2
Std Dev 695.8

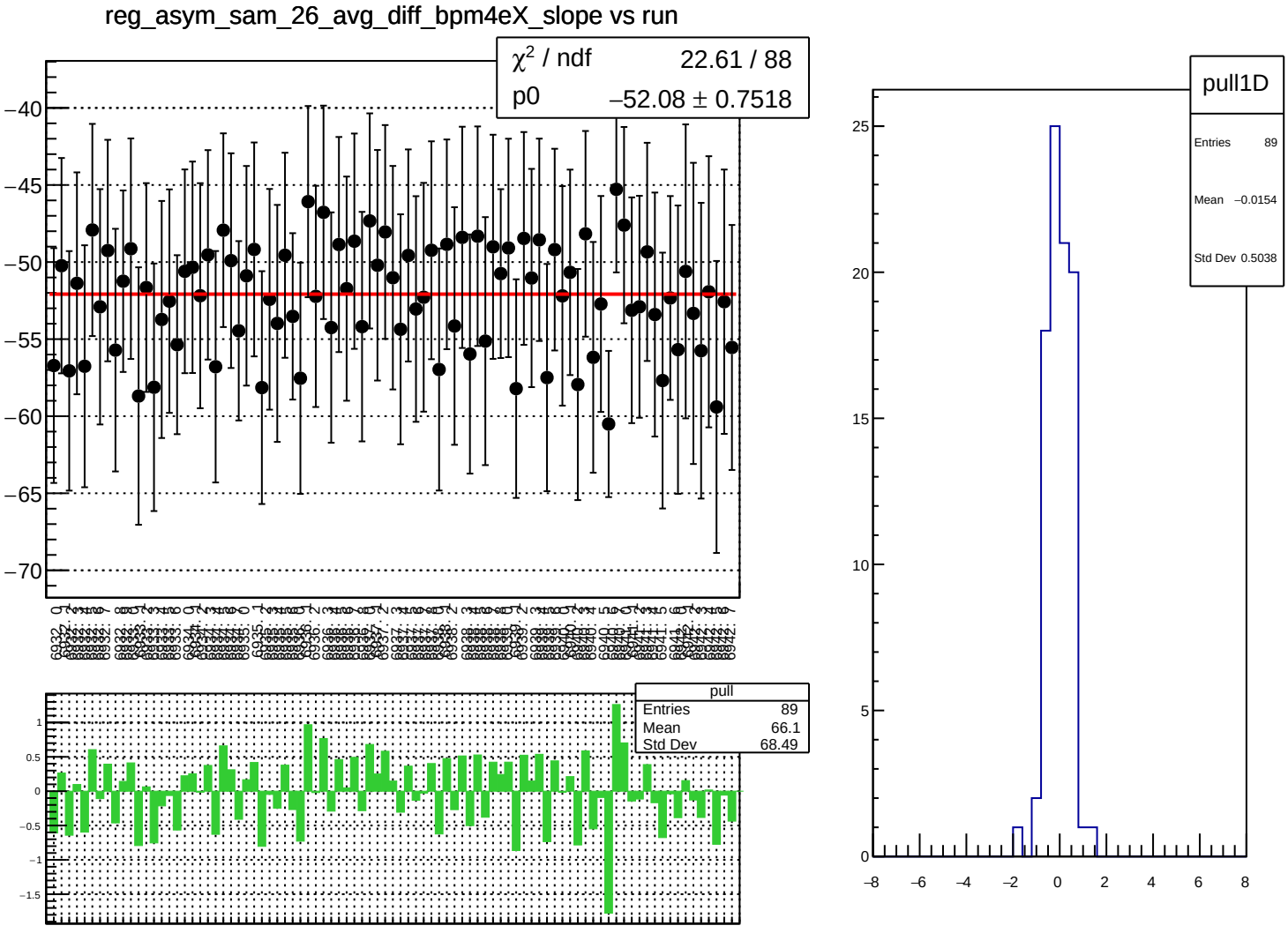

pull1D
Entries 89
Mean 0.0006268
Std Dev 0.3201

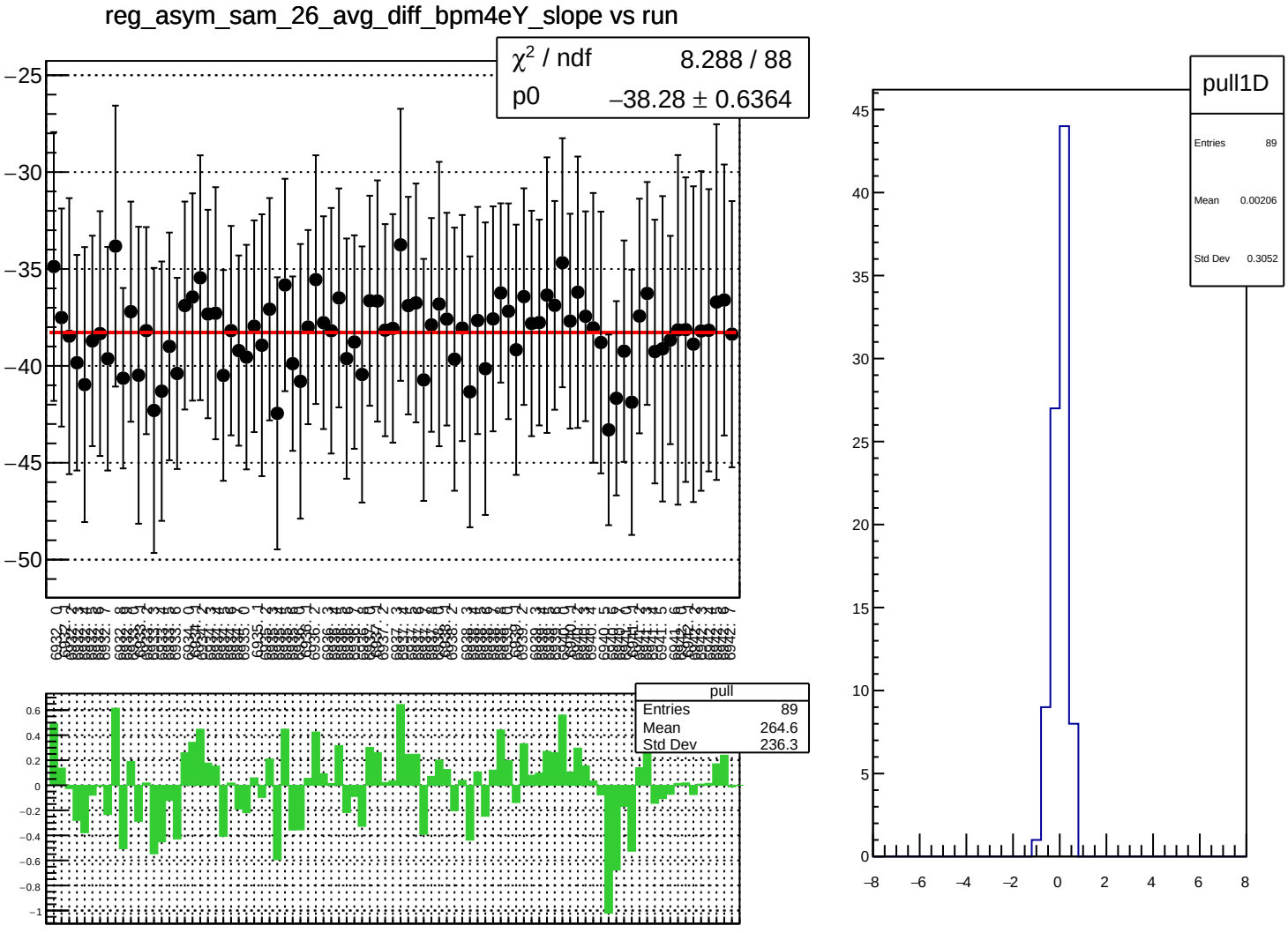

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.08 / 88
p0 −13.34 ± 0.8089
pull
Entries 89
Mean 130
Std Dev 28.03

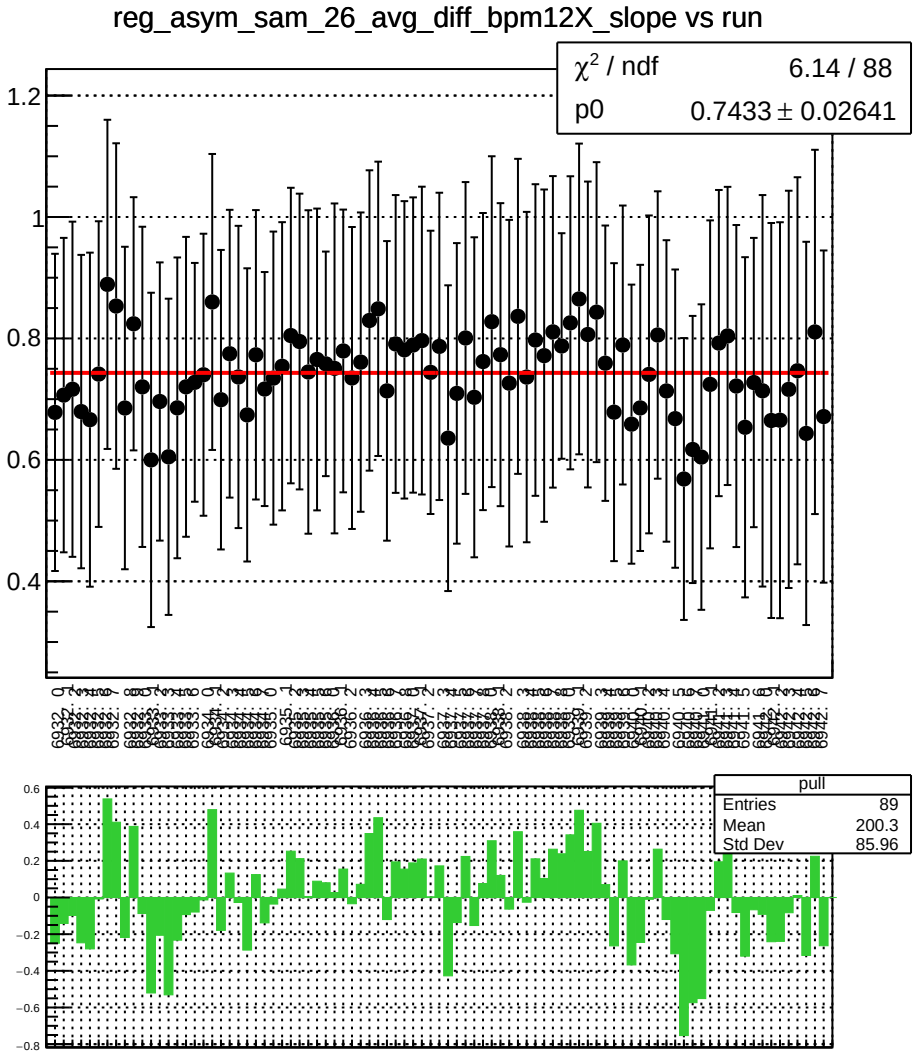

pull1D
Entries 89
Mean 0.008901
Std Dev 0.3976

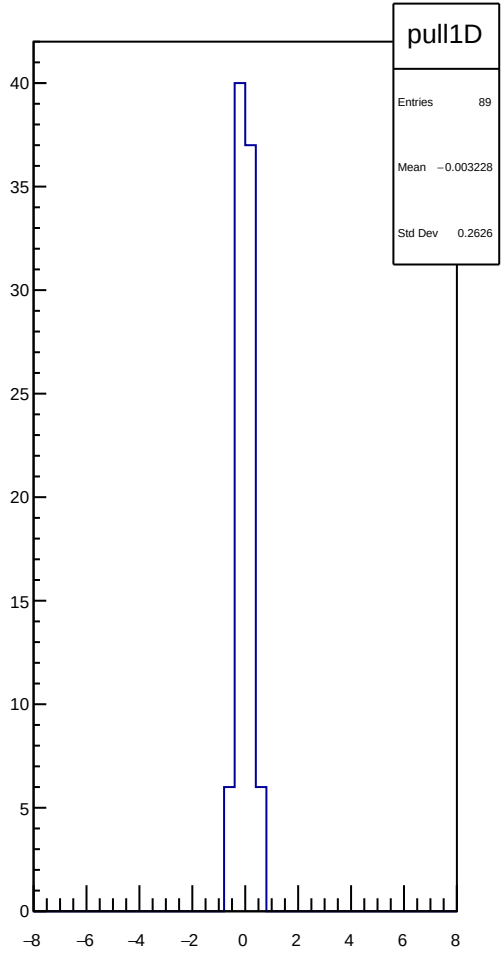

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.014 / 88
p0 3.857 ± 0.5491
pull
Entries 89
Mean 51.21
Std Dev 31.02

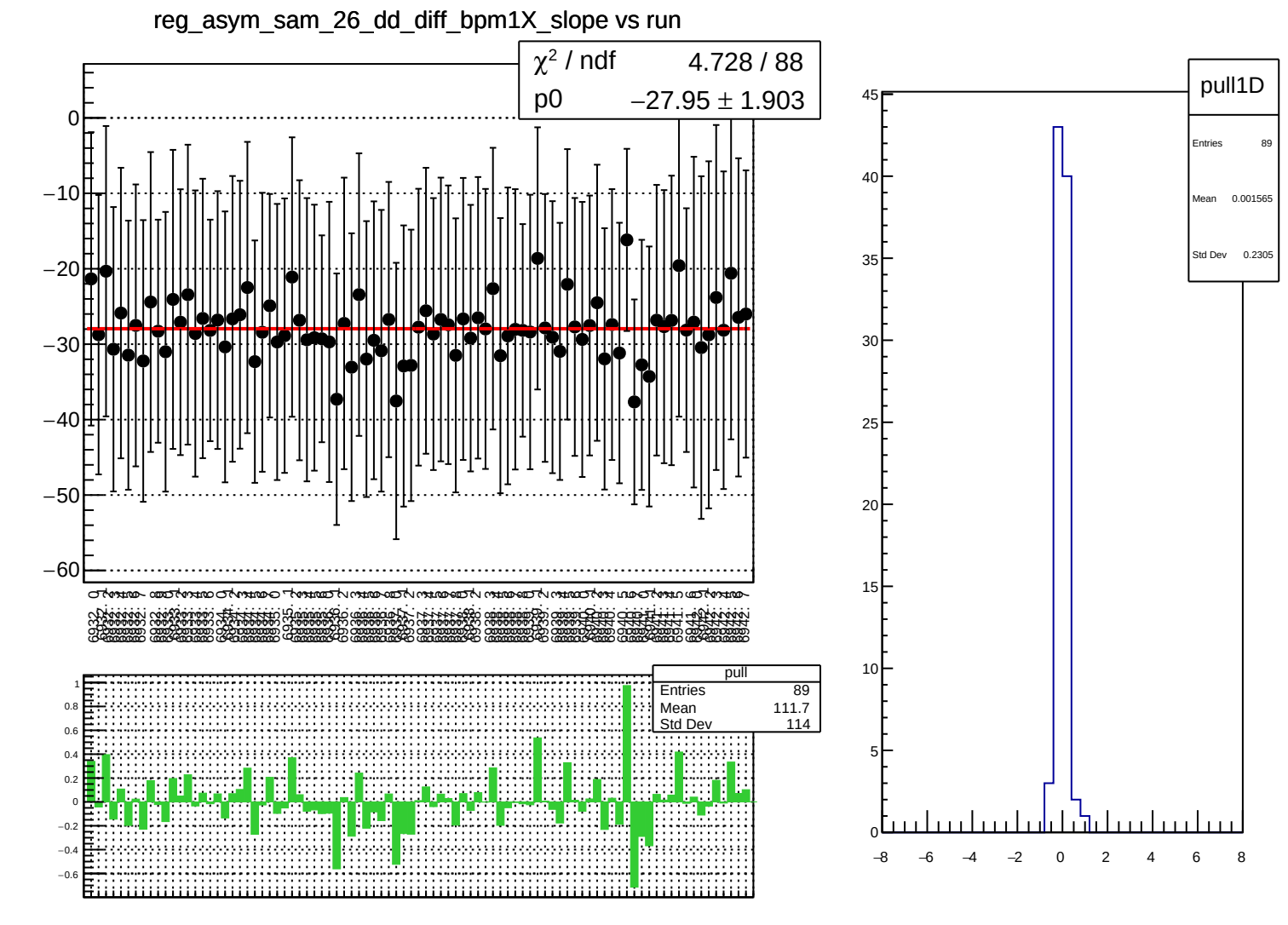

pull1D
Entries 89
Mean −0.02225
Std Dev 0.2798

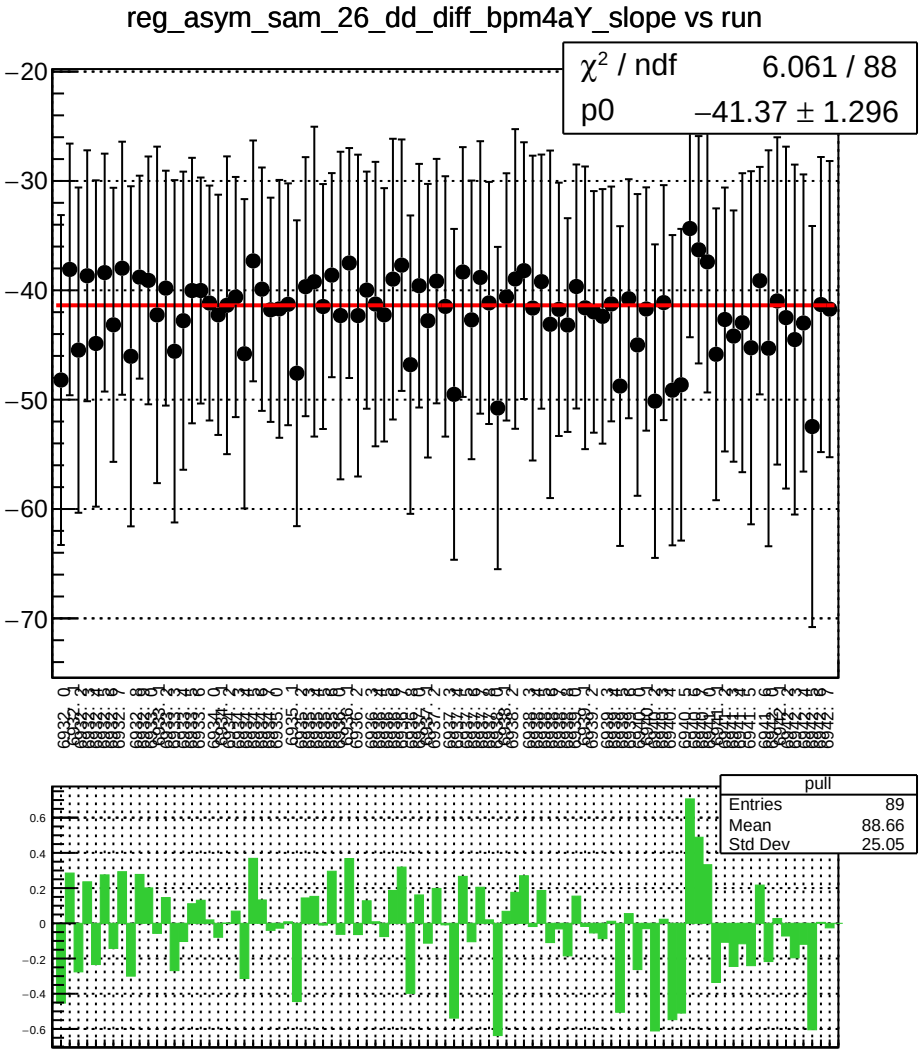

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.61 / 88
p0 −52.08 ± 0.7518
pull
Entries 89
Mean 66.1
Std Dev 68.49
pull1D
Entries 89
Mean −0.0154
Std Dev 0.5038

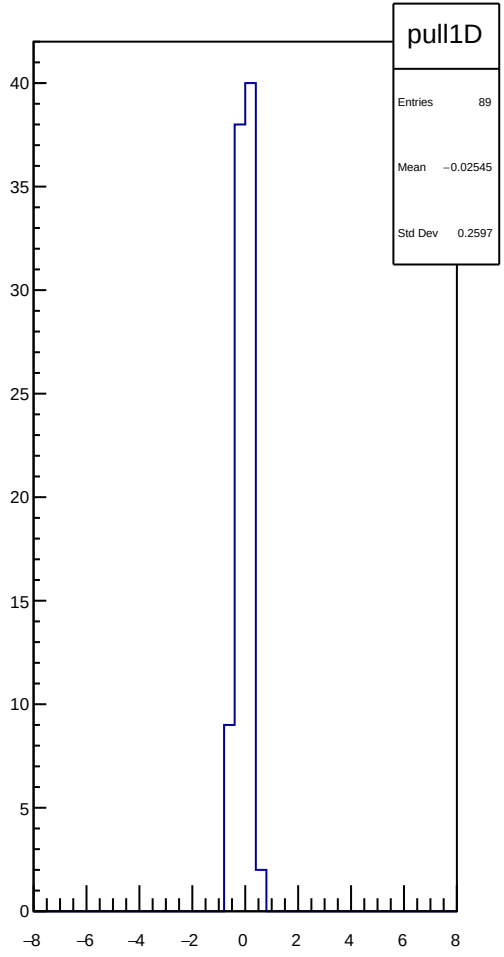

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.288 / 88
p0 −38.28 ± 0.6364
pull
Entries 89
Mean 264.6
Std Dev 236.3
pull1D
Entries 89
Mean 0.00206
Std Dev 0.3052

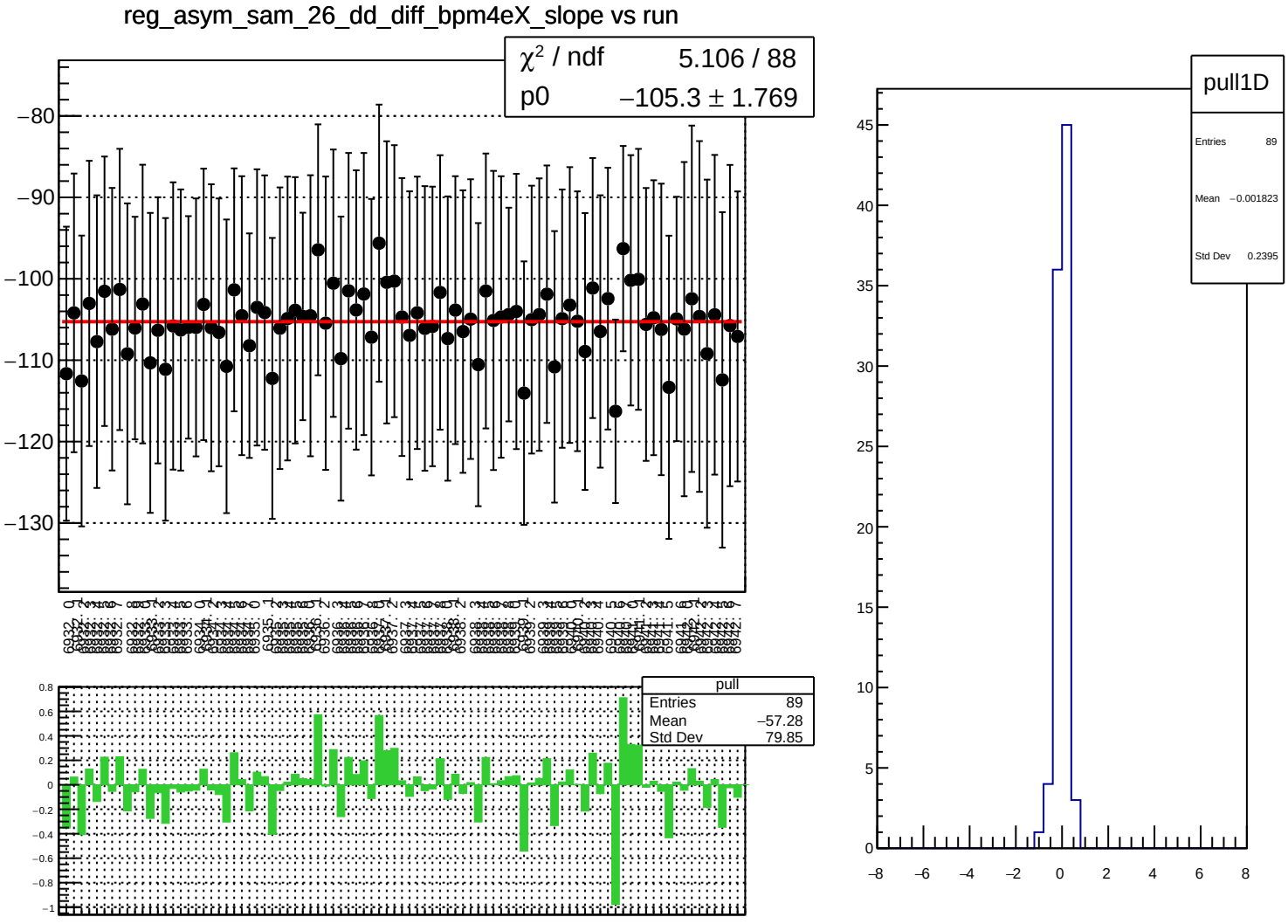

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.14 / 88
p0 0.7433 ± 0.02641
pull
Entries 89
Mean 200.3
Std Dev 85.96

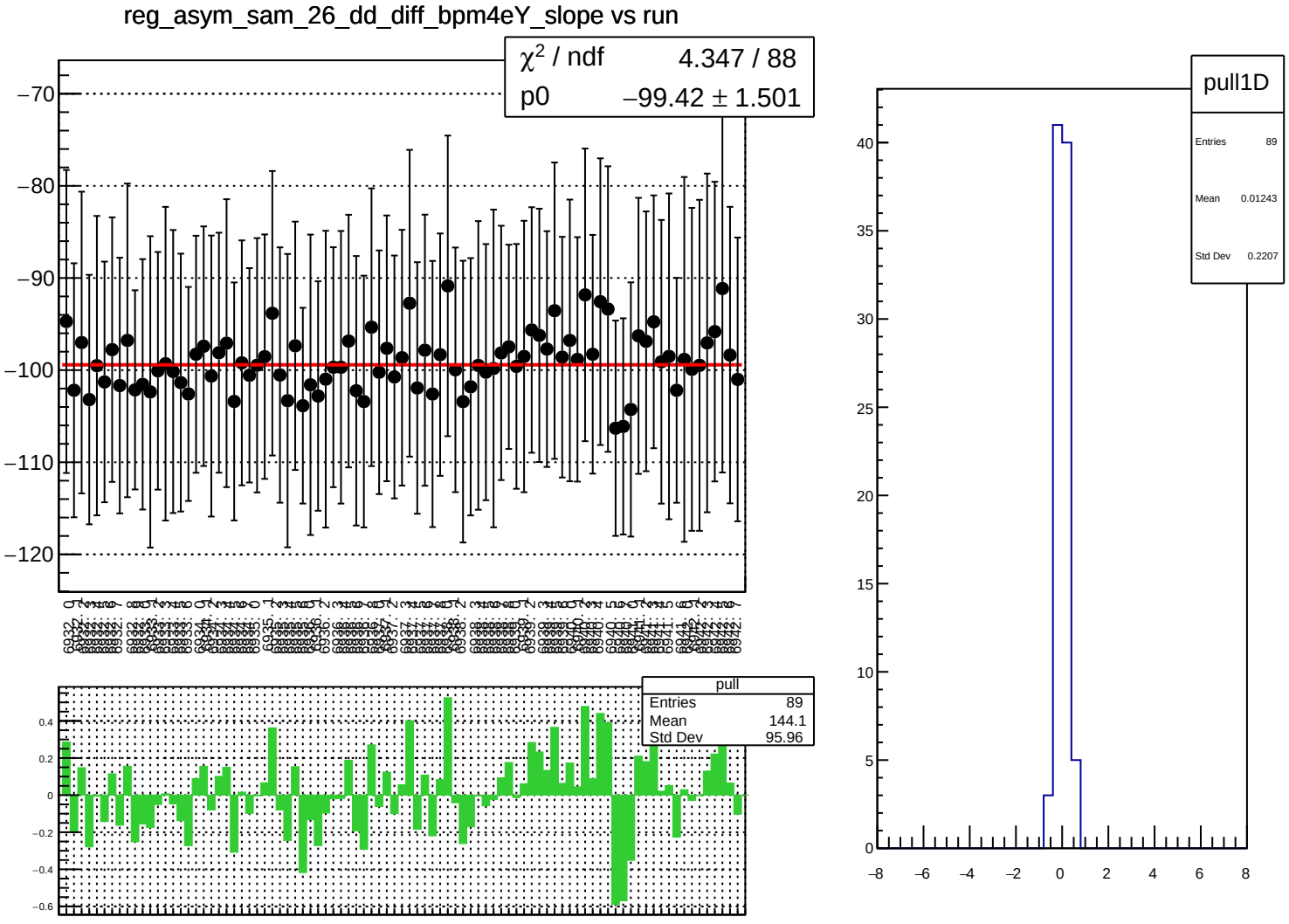

pull1D
Entries 89
Mean −0.003228
Std Dev 0.2626

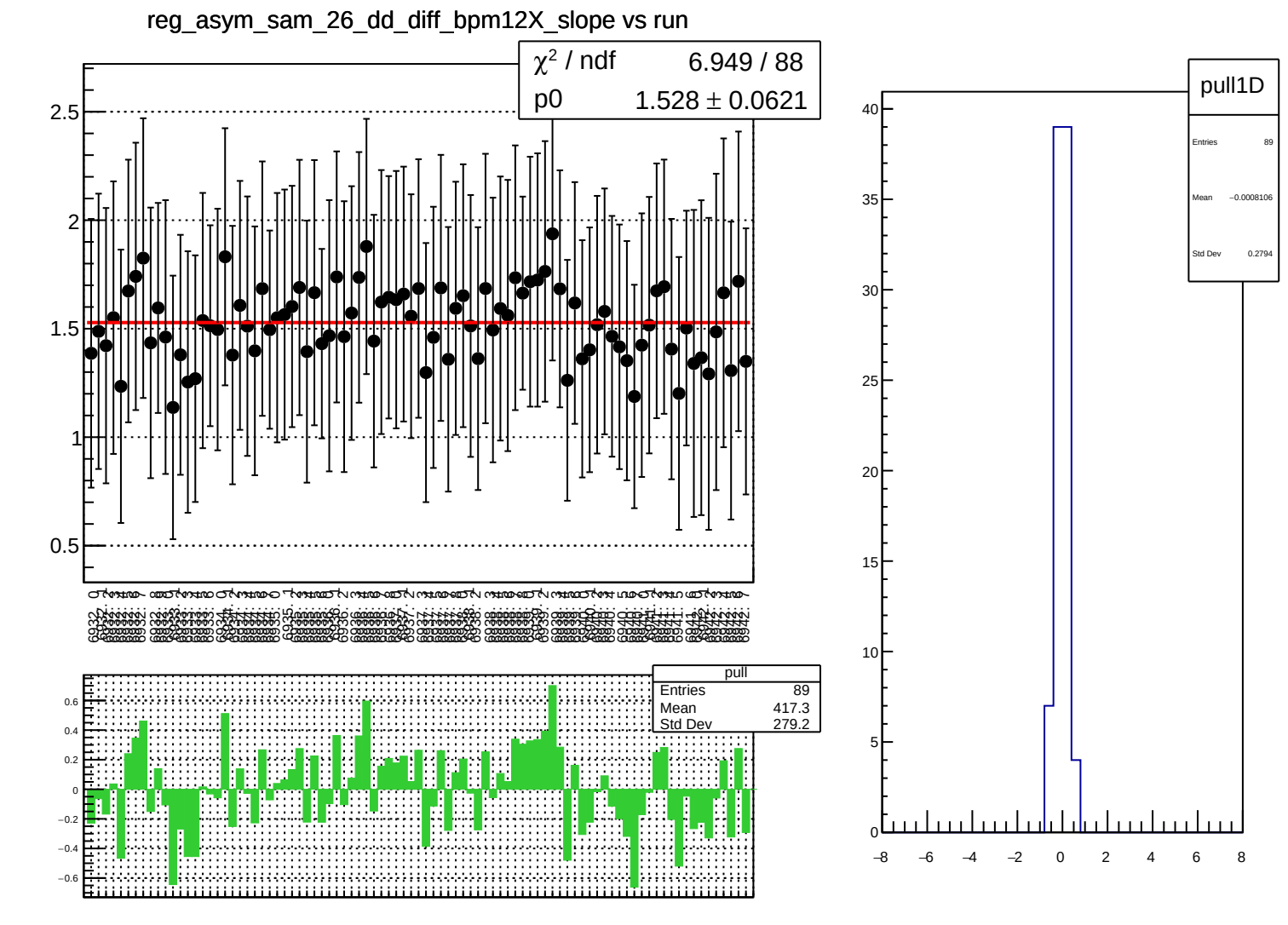

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.728 / 88
p0 −27.95 ± 1.903
pull
Entries 89
Mean 111.7
Std Dev 114
pull1D
Entries 89
Mean 0.001565
Std Dev 0.2305

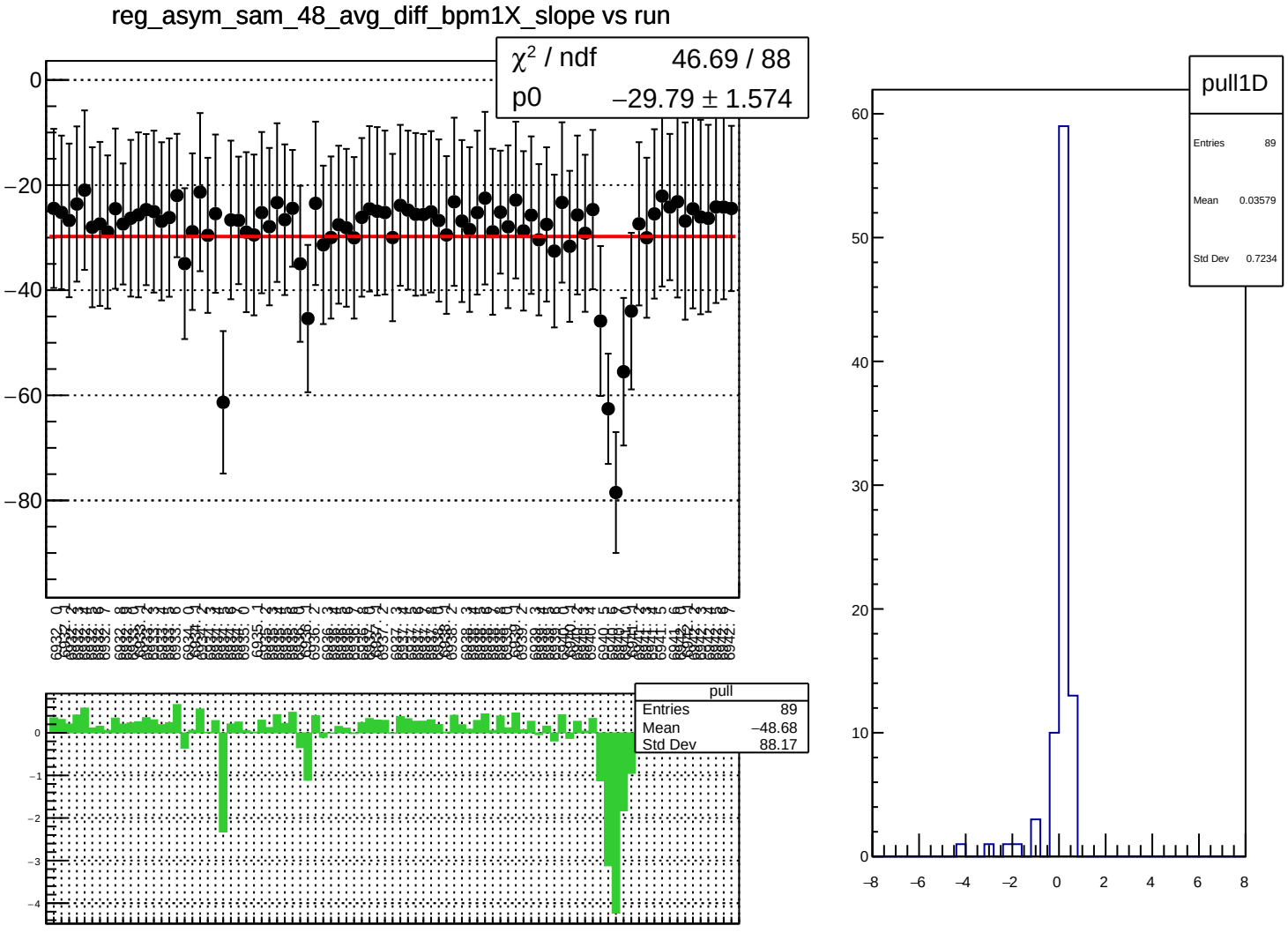

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.061 / 88
p0 −41.37 ± 1.296
pull
Entries 89
Mean 88.66
Std Dev 25.05

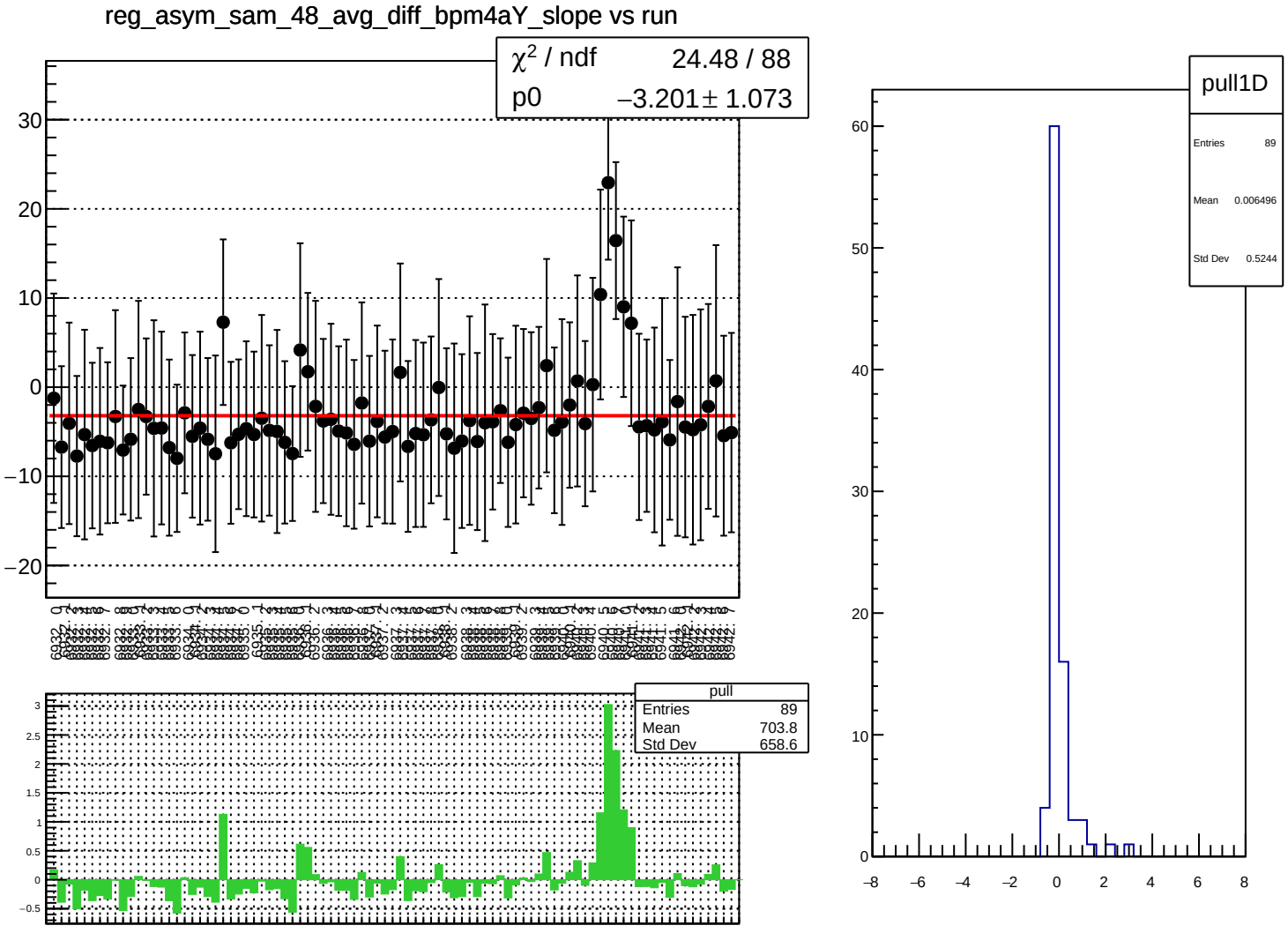

pull1D
Entries 89
Mean −0.02545
Std Dev 0.2597

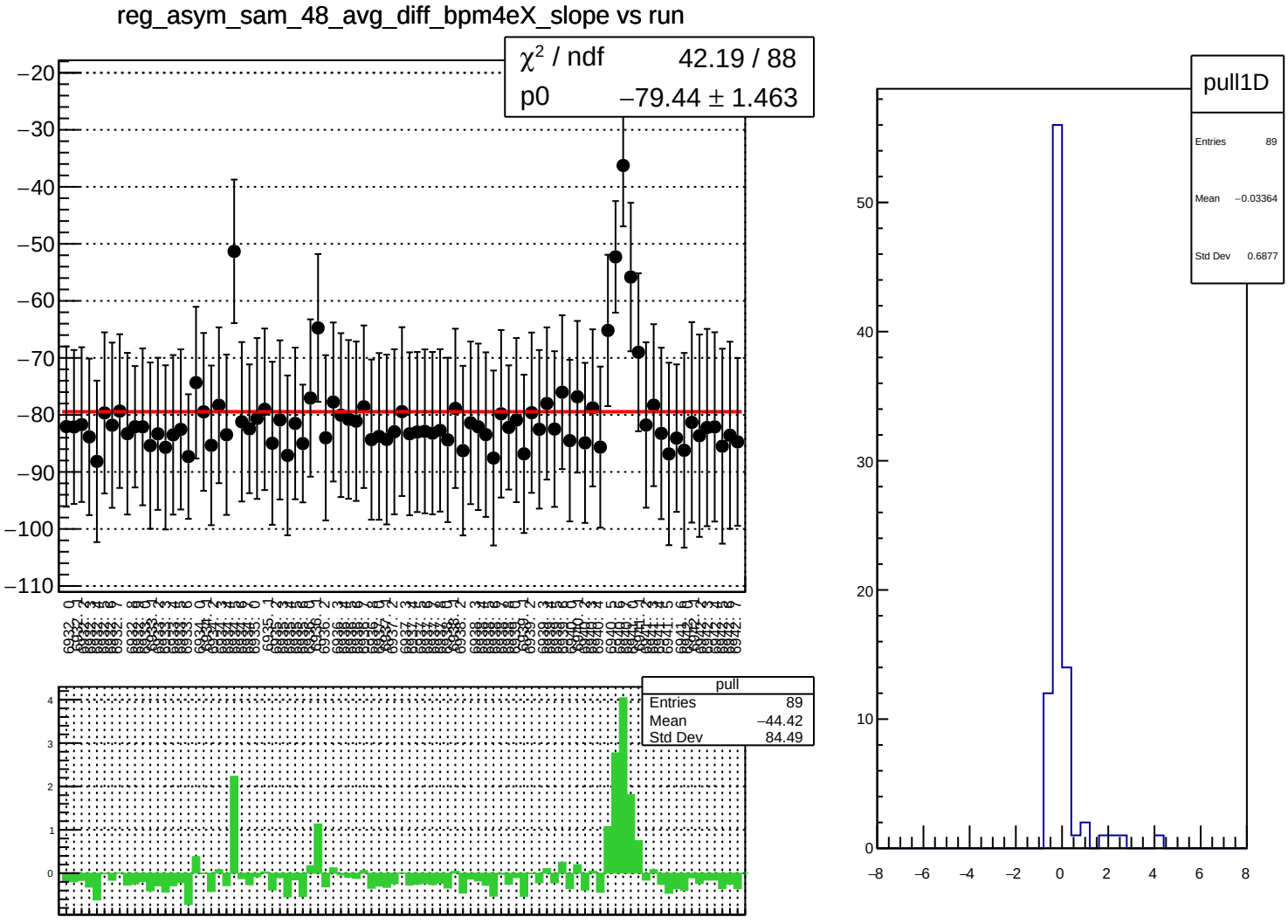

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.106 / 88
p0 −105.3 ± 1.769
pull
Entries 89
Mean −57.28
Std Dev 79.85
pull1D
Entries 89
Mean −0.001823
Std Dev 0.2395

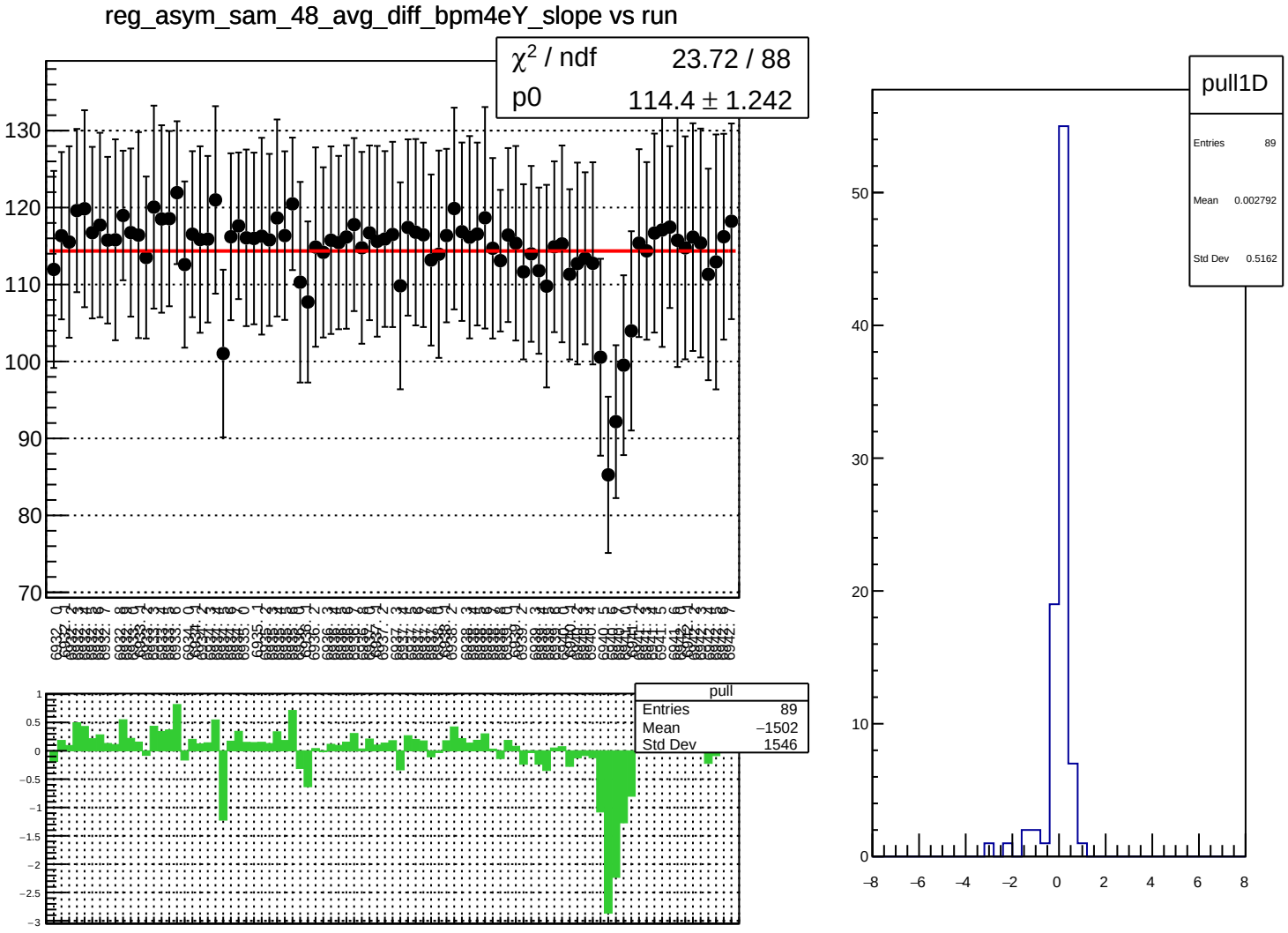

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.347 / 88
p0 −99.42 ± 1.501
pull
Entries 89
Mean 144.1
Std Dev 95.96
pull1D
Entries 89
Mean 0.01243
Std Dev 0.2207

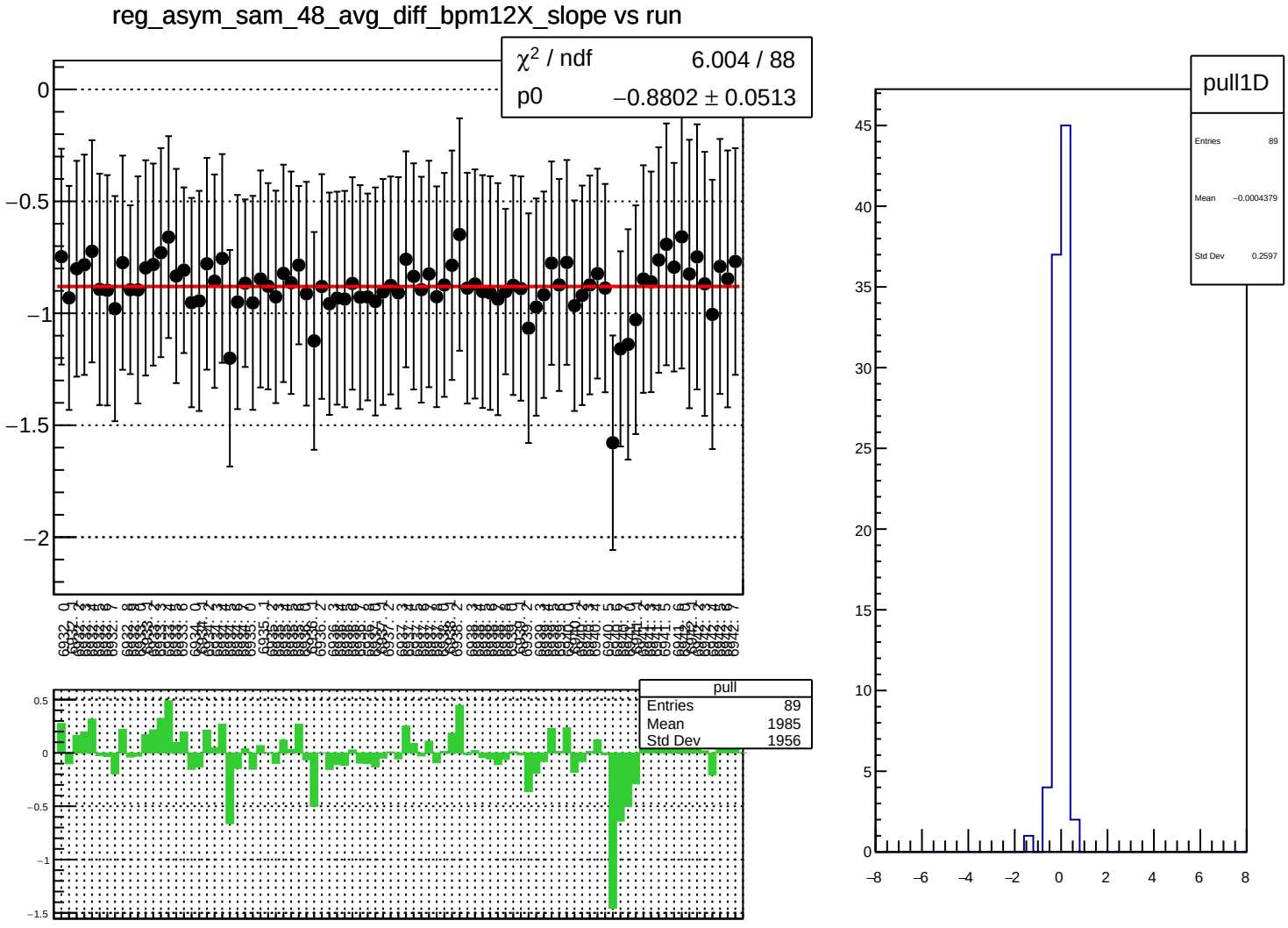

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.949 / 88
p0 1.528 ± 0.0621
pull
Entries 89
Mean 417.3
Std Dev 279.2
pull1D
Entries 89
Mean −0.0008106
Std Dev 0.2794

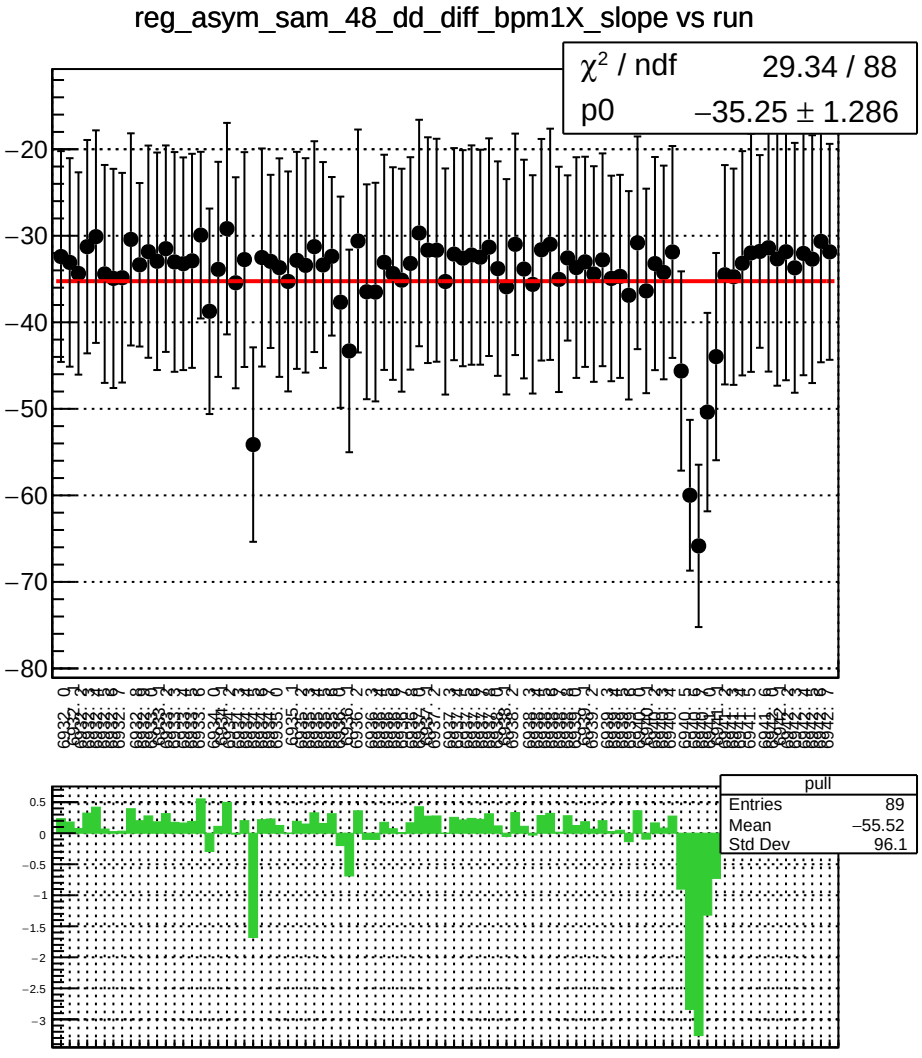

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 46.69 / 88
p0 −29.79 ± 1.574
pull
Entries 89
Mean −48.68
Std Dev 88.17
pull1D
Entries 89
Mean 0.03579
Std Dev 0.7234

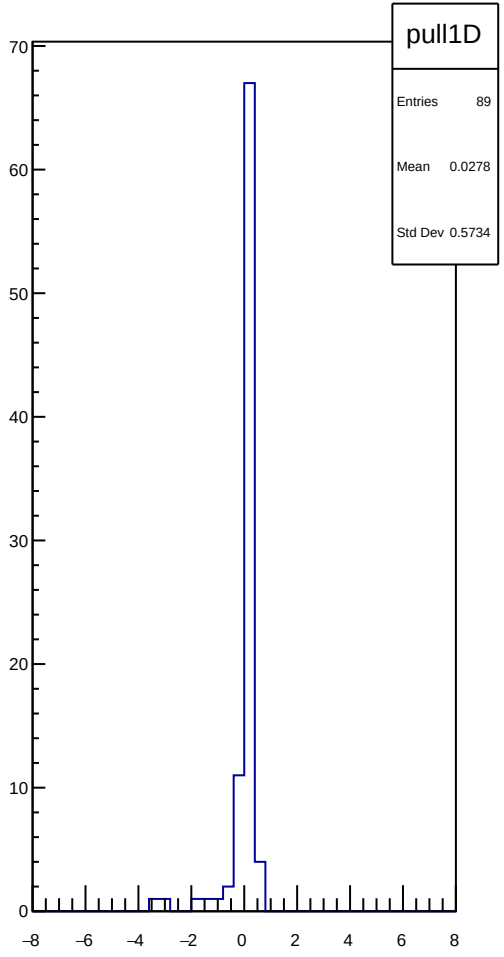

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.48 / 88
p0 −3.201 ± 1.073
pull
Entries 89
Mean 703.8
Std Dev 658.6
pull1D
Entries 89
Mean 0.006496
Std Dev 0.5244

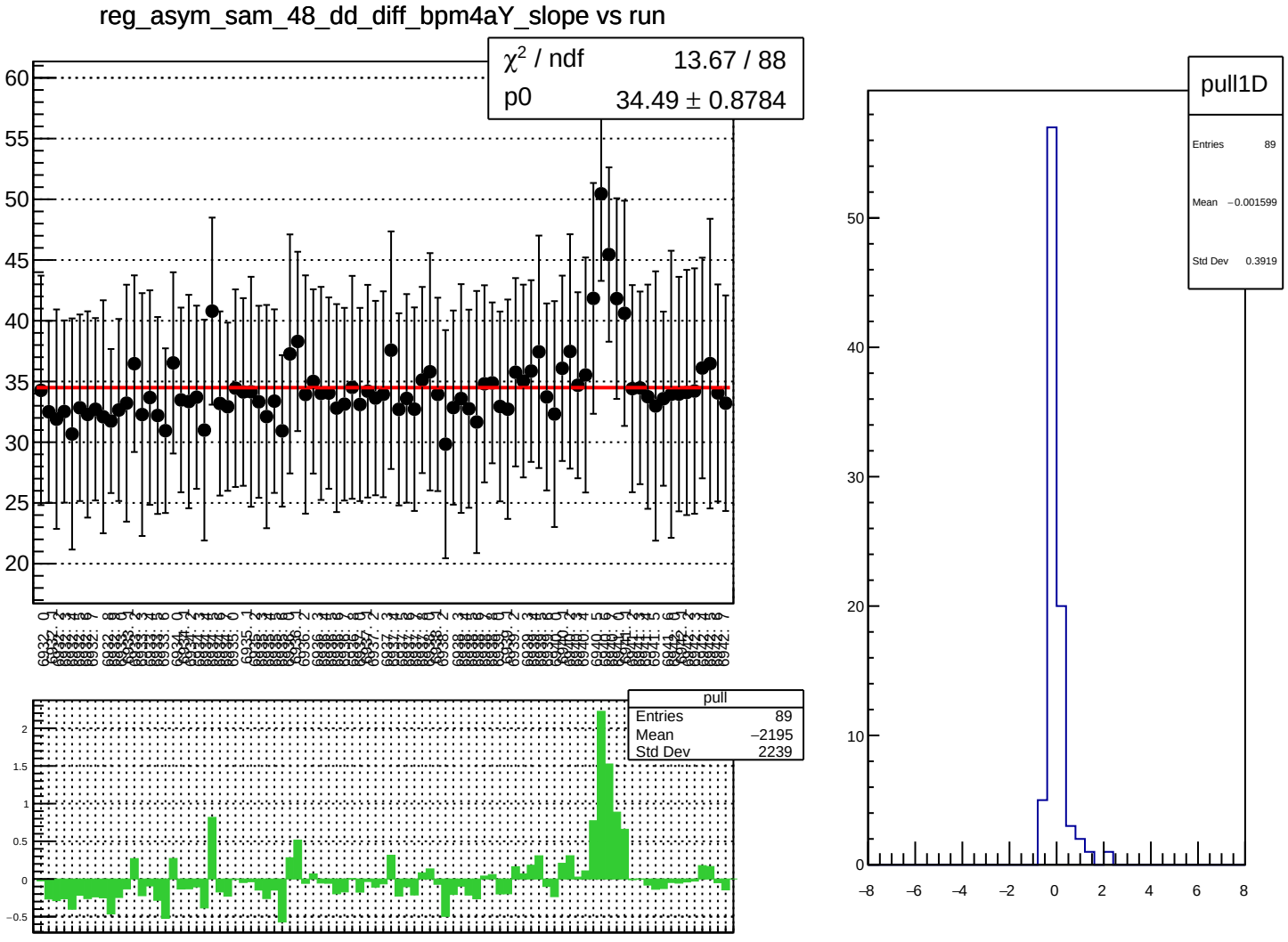

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.19 / 88
p0 −79.44 ± 1.463
pull
Entries 89
Mean −44.42
Std Dev 84.49
pull1D
Entries 89
Mean −0.03364
Std Dev 0.6877

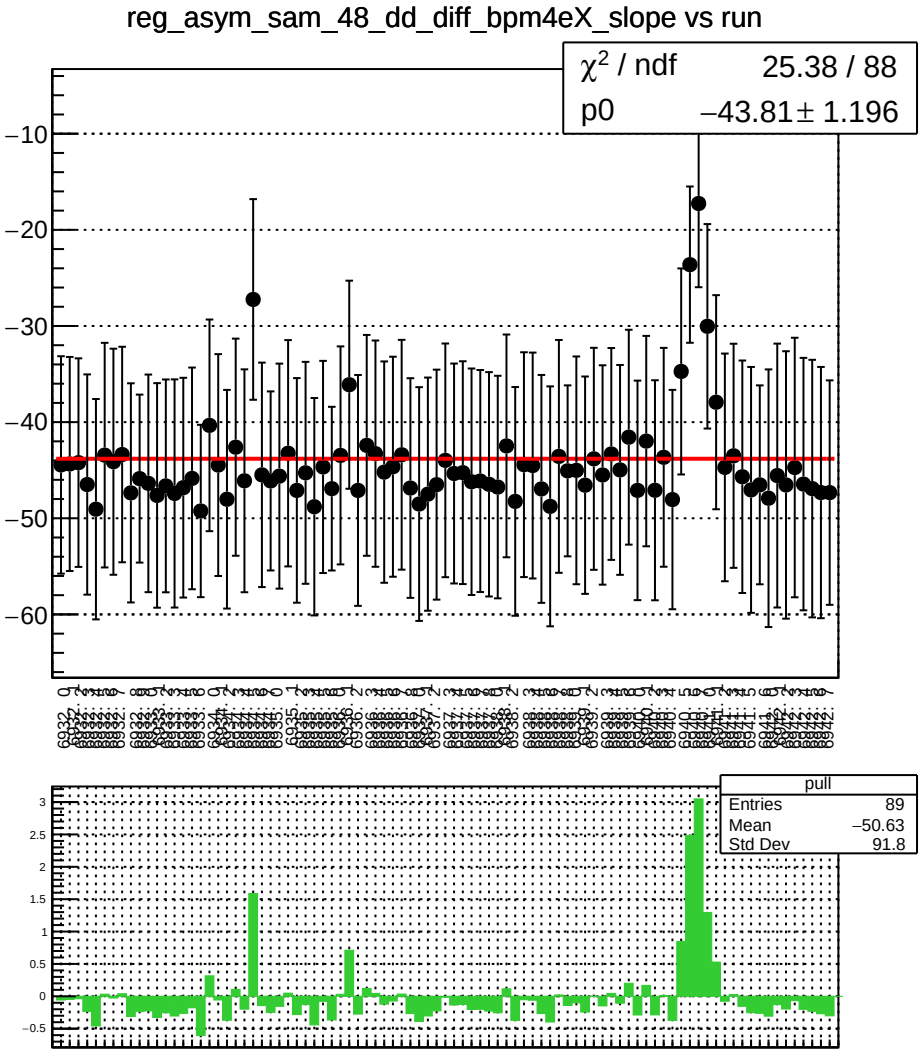

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.72 / 88
p0 114.4 ± 1.242
pull
Entries 89
Mean −1502
Std Dev 1546
pull1D
Entries 89
Mean 0.002792
Std Dev 0.5162

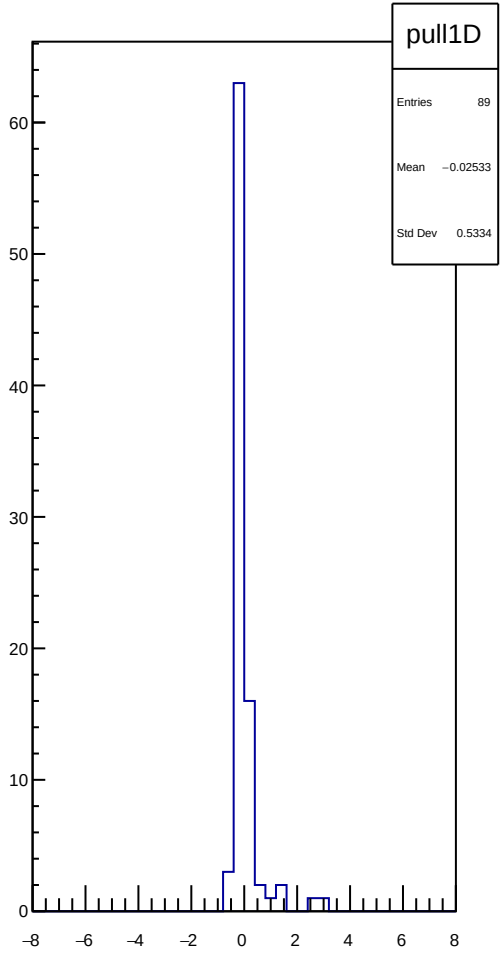

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.004 / 88
p0 −0.8802 ± 0.0513
pull
Entries 89
Mean 1985
Std Dev 1956
pull1D
Entries 89
Mean −0.0004379
Std Dev 0.2597

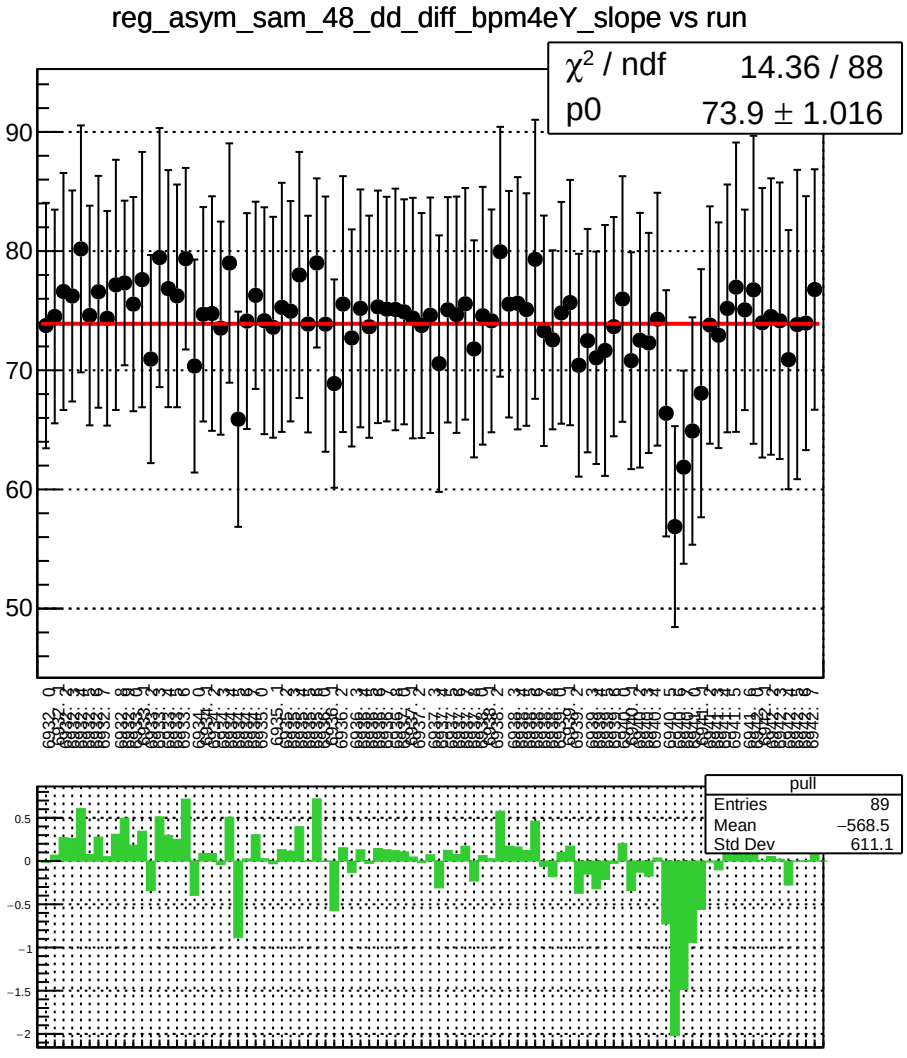

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 29.34 / 88
p0 −35.25 ± 1.286
pull
Entries 89
Mean −55.52
Std Dev 96.1

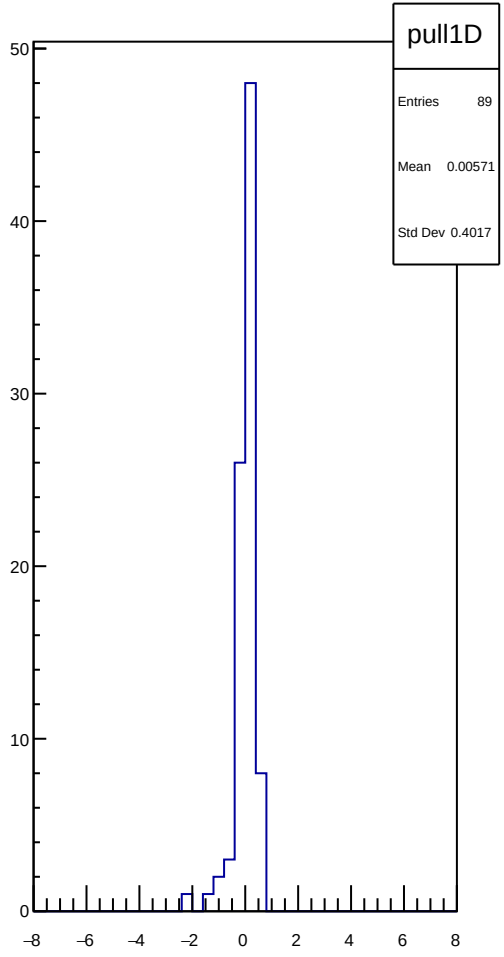

pull1D
Entries 89
Mean 0.0278
Std Dev 0.5734

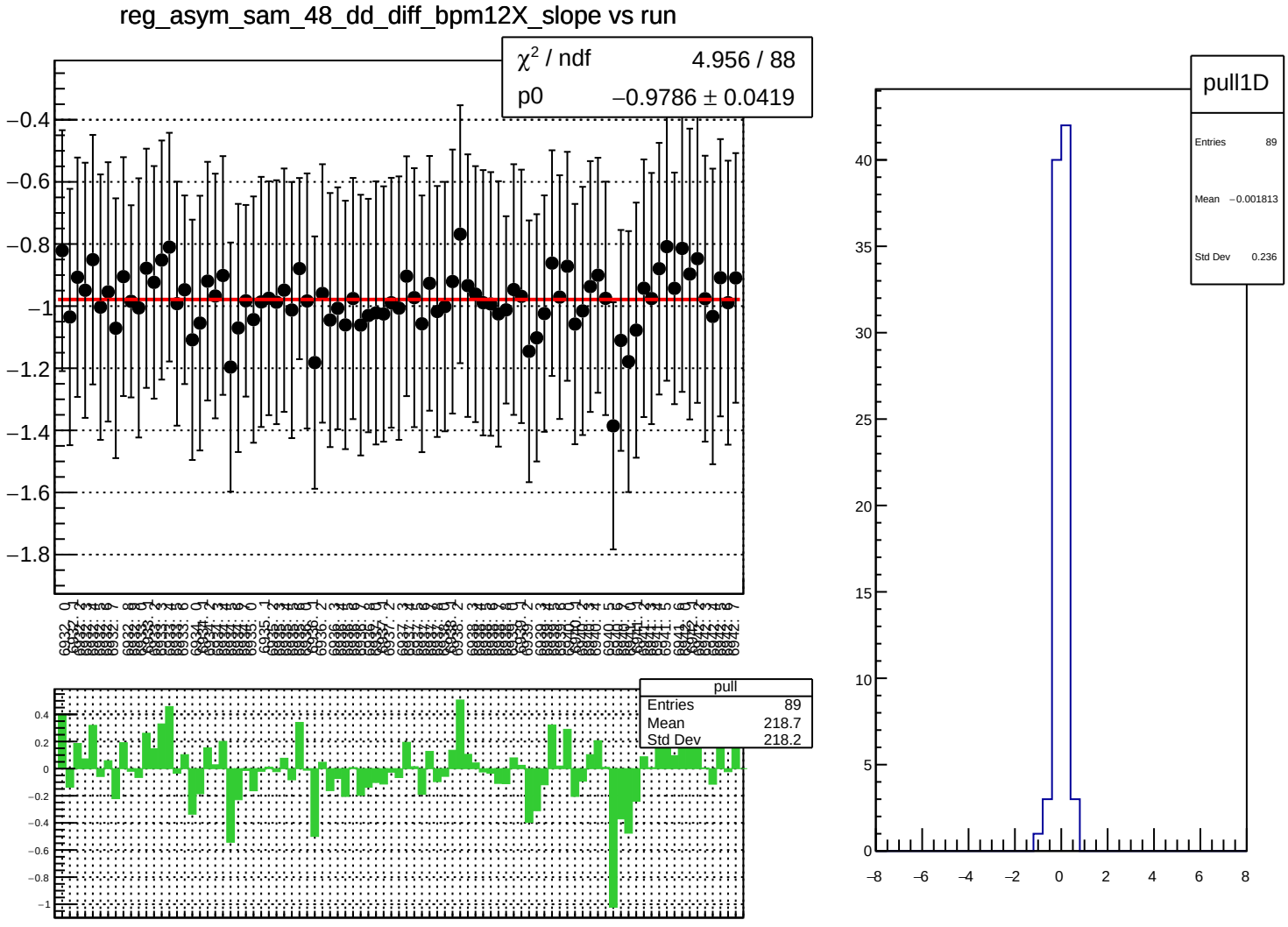

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.67 / 88
p0 34.49 ± 0.8784
pull
Entries 89
Mean −2195
Std Dev 2239
pull1D
Entries 89
Mean −0.001599
Std Dev 0.3919

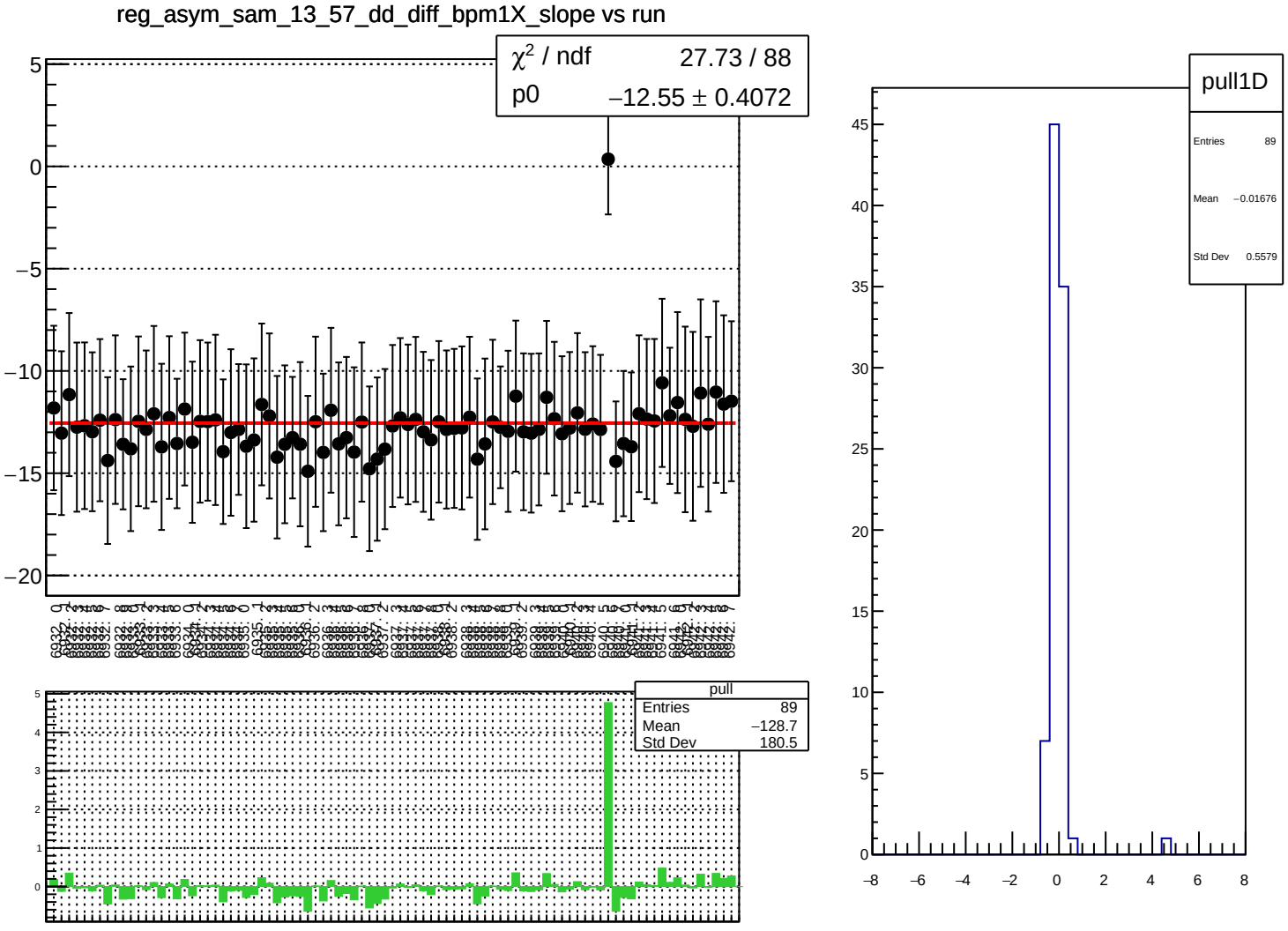

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 25.38 / 88
p0 −43.81 ± 1.196
pull
Entries 89
Mean −50.63
Std Dev 91.8

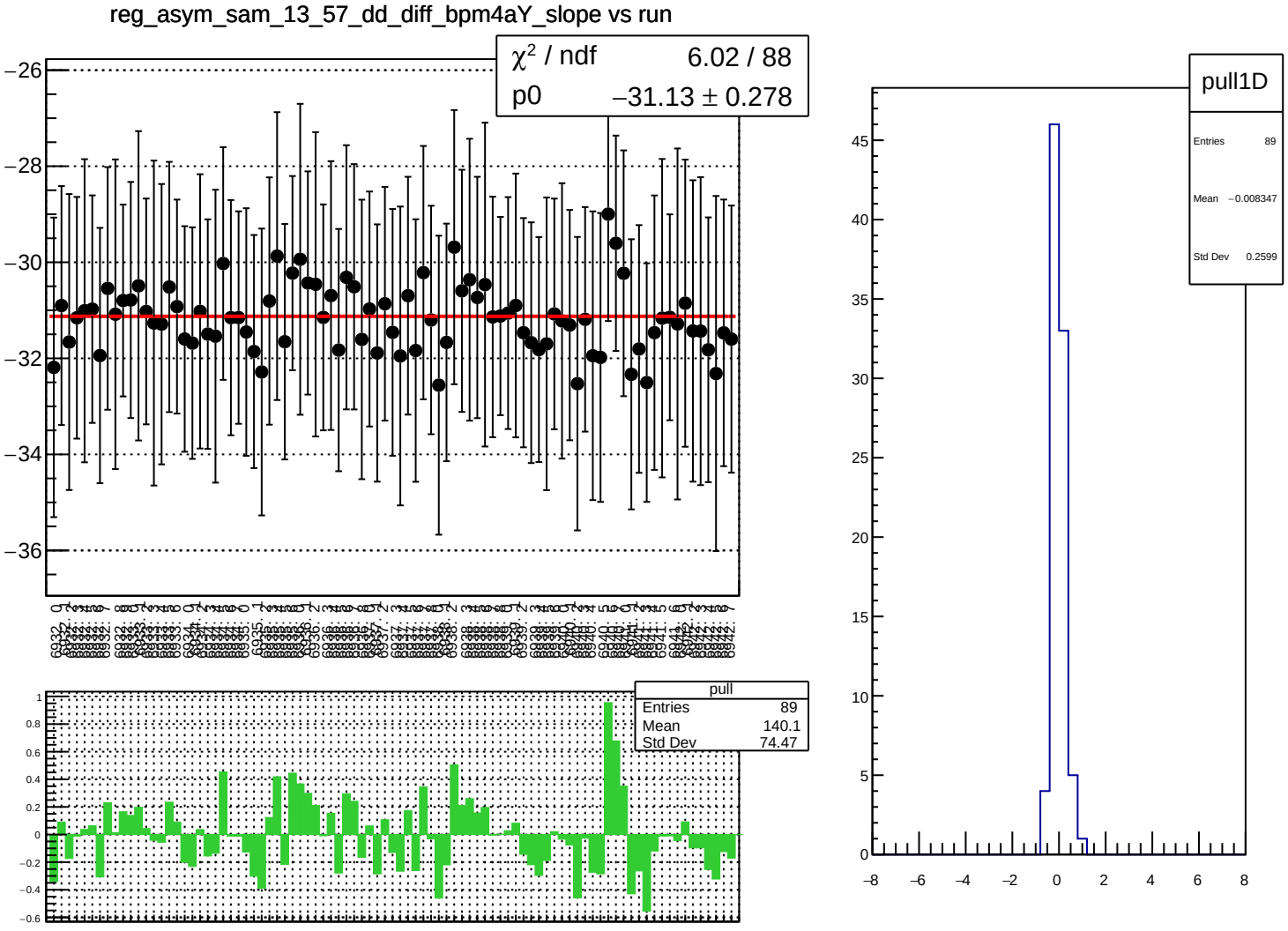

pull1D
Entries 89
Mean −0.02533
Std Dev 0.5334

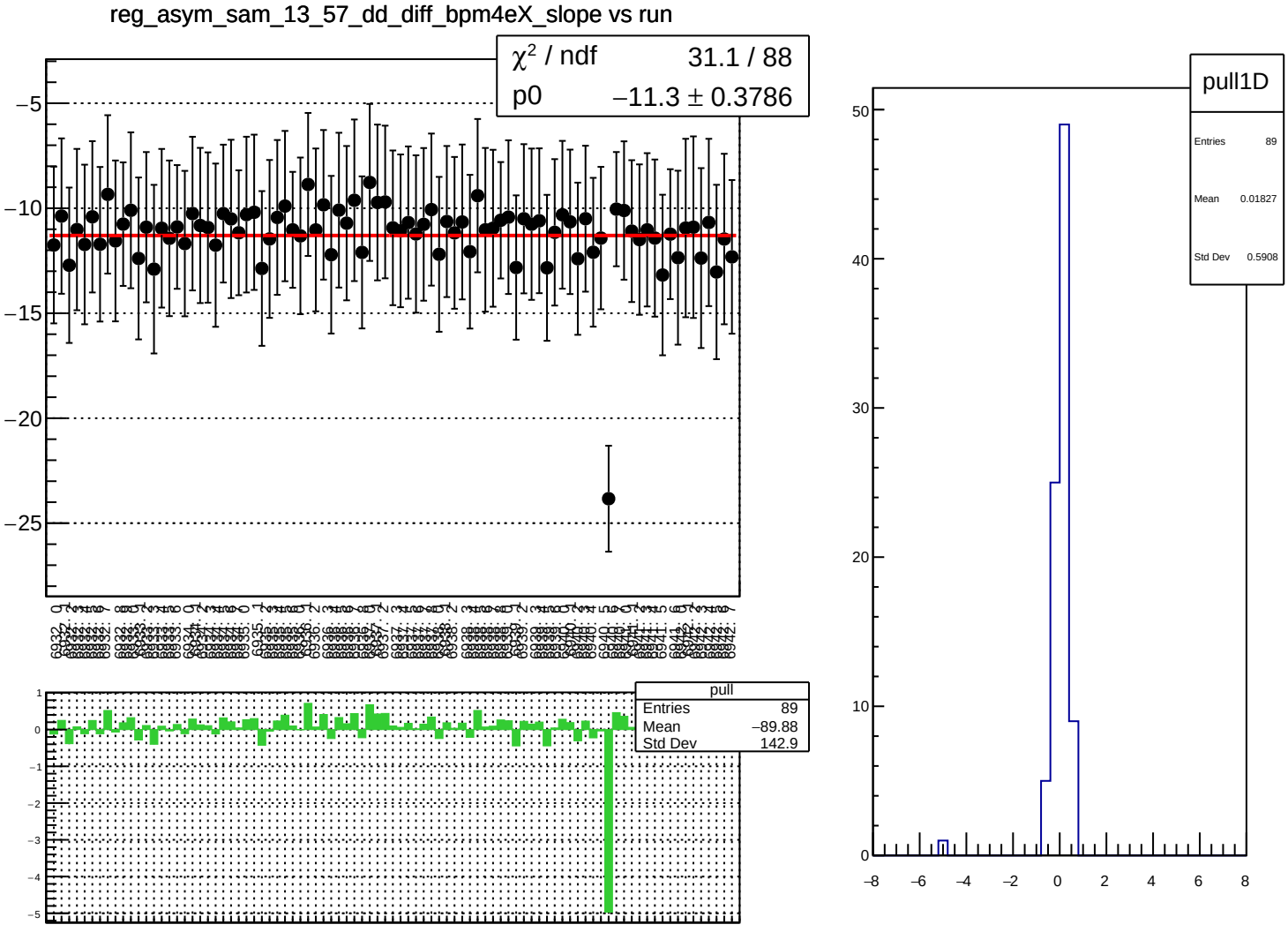

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.36 / 88
p0 73.9 ± 1.016
pull
Entries 89
Mean −568.5
Std Dev 611.1

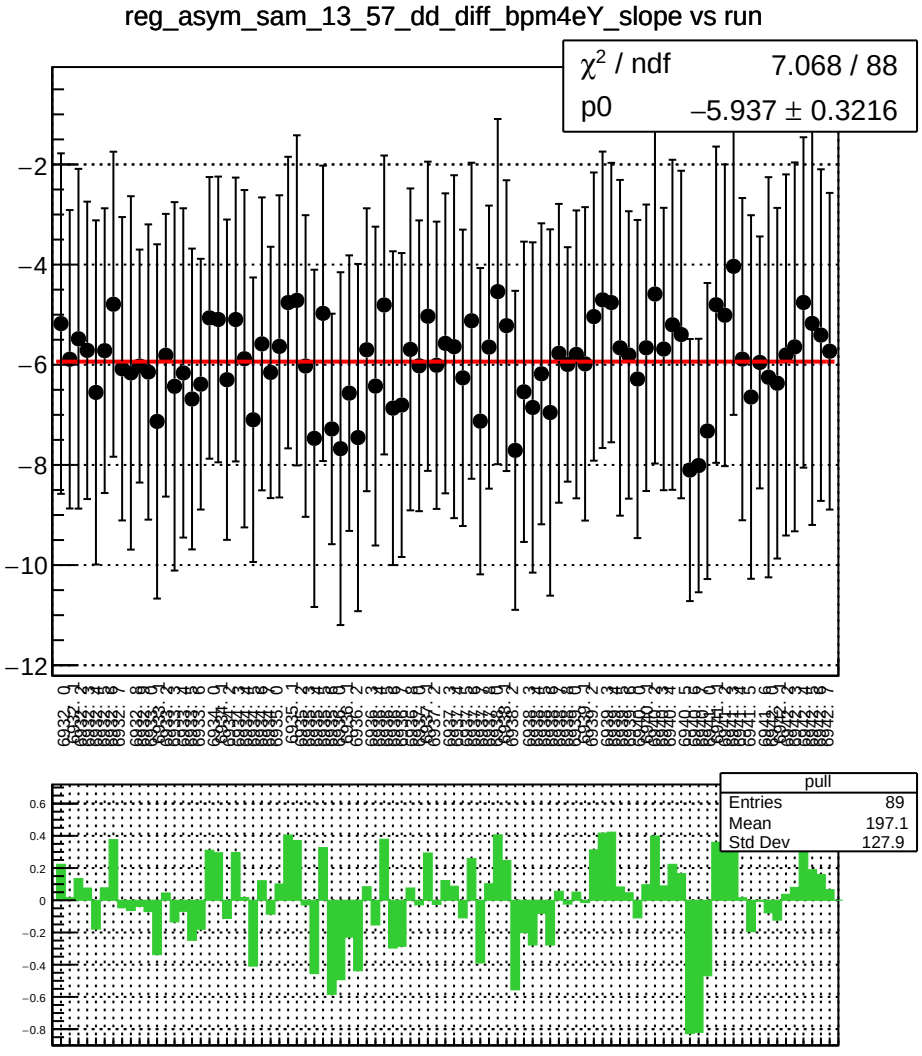

pull1D
Entries 89
Mean 0.00571
Std Dev 0.4017

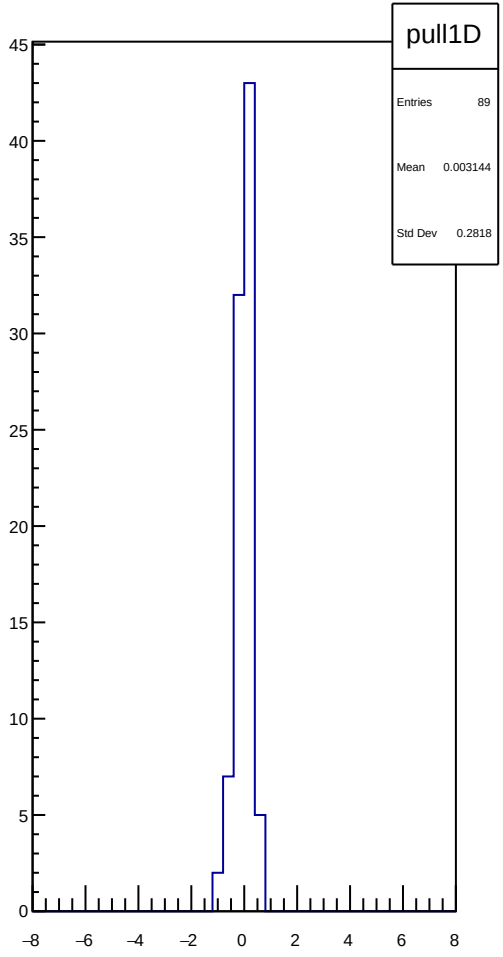

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.956 / 88
p0 −0.9786 ± 0.0419
pull
Entries 89
Mean 218.7
Std Dev 218.2
pull1D
Entries 89
Mean −0.001813
Std Dev 0.236

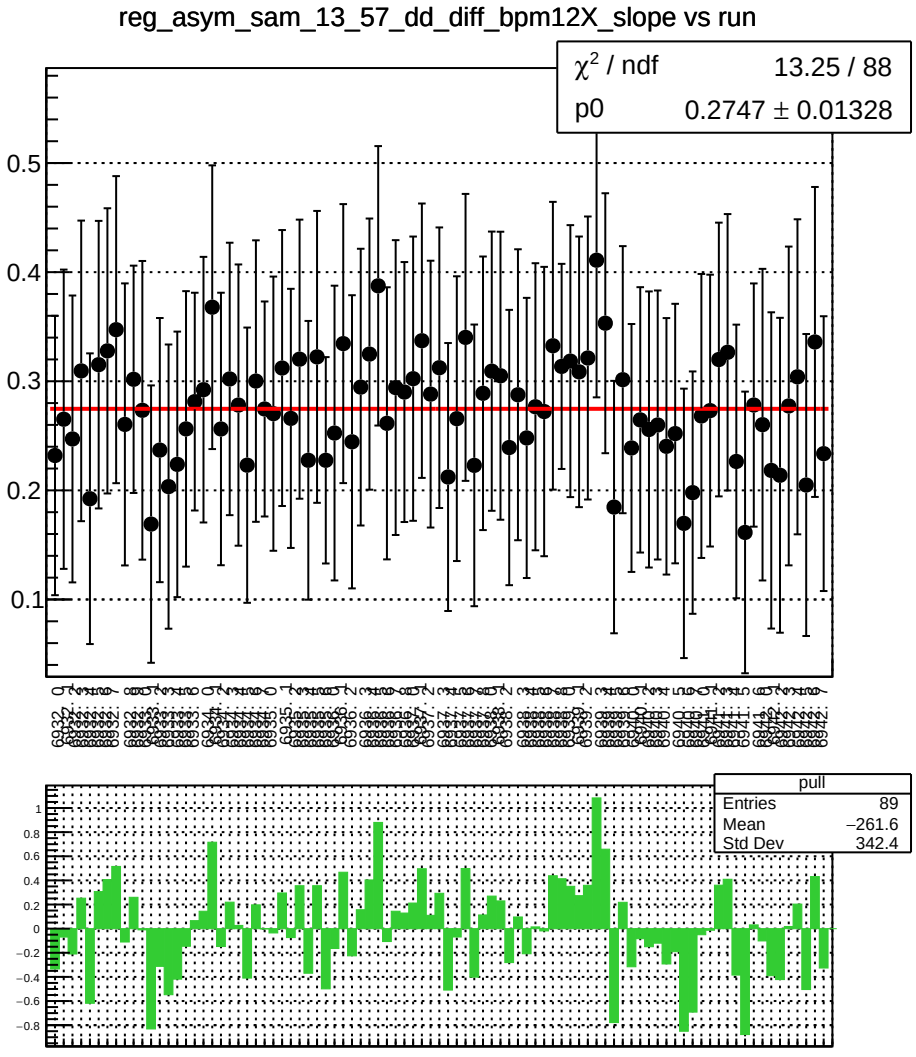

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 27.73 / 88
p0 −12.55 ± 0.4072
pull
Entries 89
Mean −128.7
Std Dev 180.5
pull1D
Entries 89
Mean −0.01676
Std Dev 0.5579

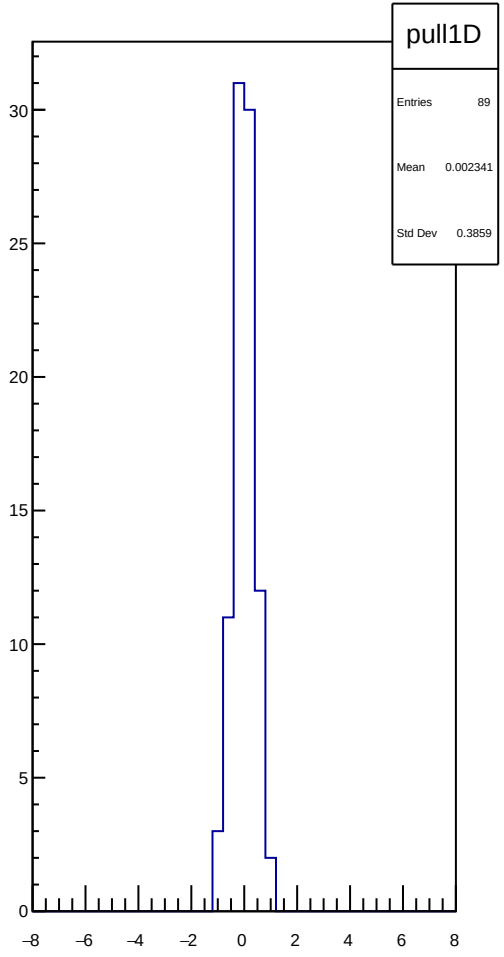

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.02 / 88
p0 −31.13 ± 0.278
pull
Entries 89
Mean 140.1
Std Dev 74.47
pull1D
Entries 89
Mean −0.008347
Std Dev 0.2599

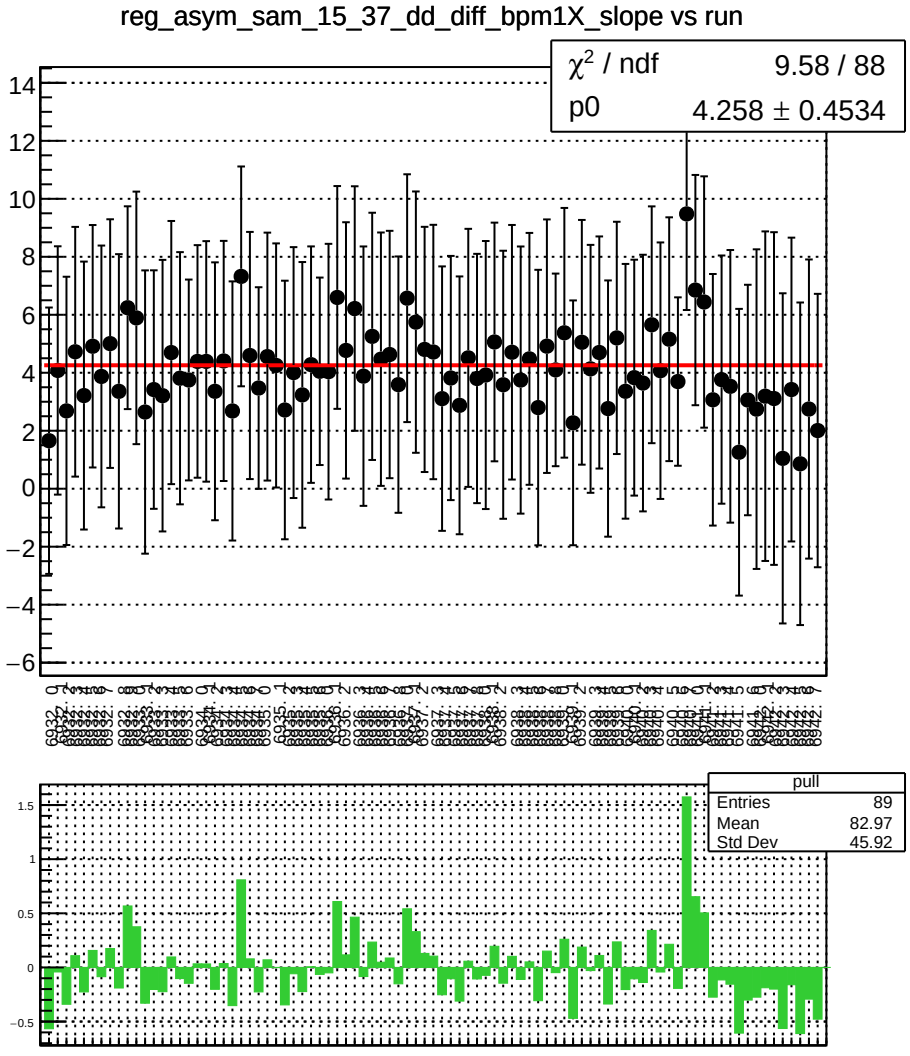

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.1 / 88
p0 −11.3 ± 0.3786
pull
Entries 89
Mean −89.88
Std Dev 142.9
pull1D
Entries 89
Mean 0.01827
Std Dev 0.5908

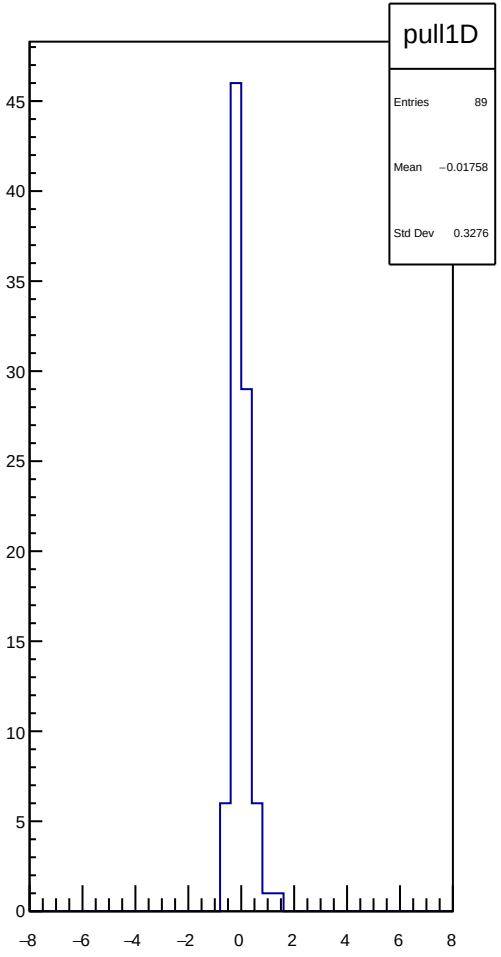

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.068 / 88
p0 −5.937 ± 0.3216
pull
Entries 89
Mean 197.1
Std Dev 127.9

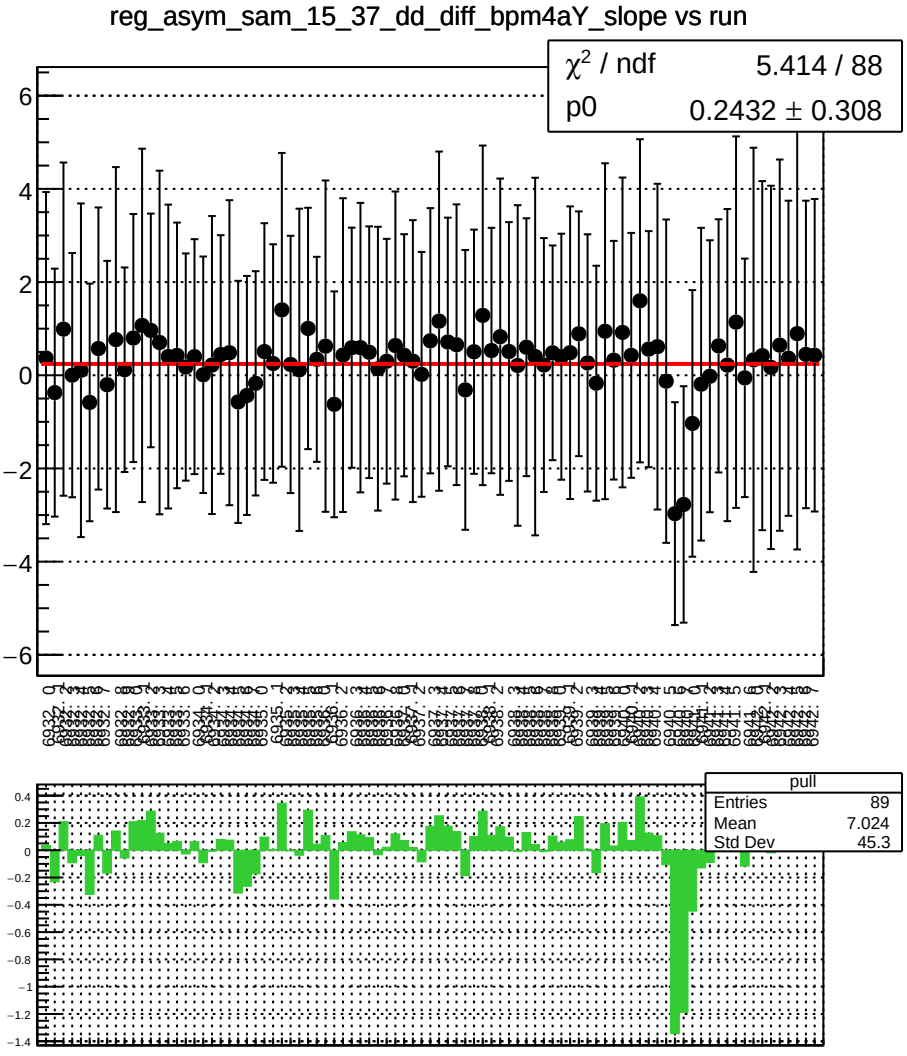

pull1D
Entries 89
Mean 0.003144
Std Dev 0.2818

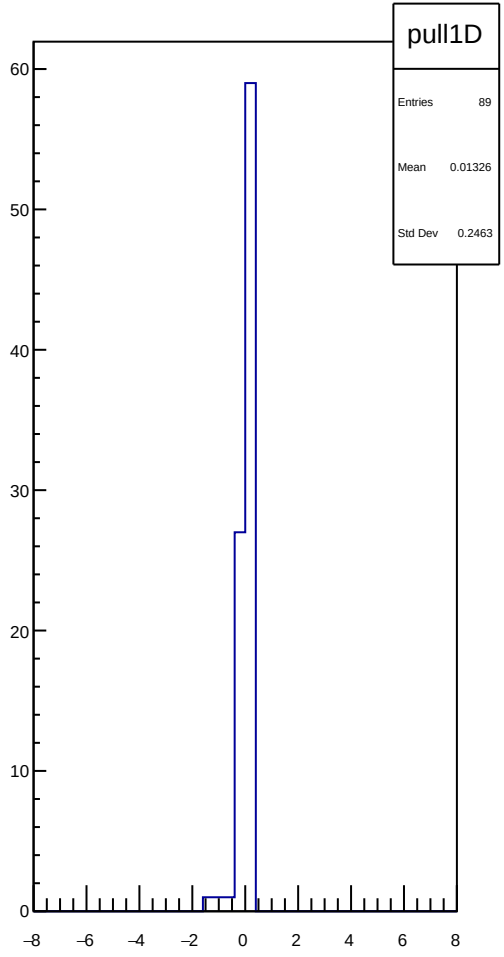

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.25 / 88
p0 0.2747 ± 0.01328
pull
Entries 89
Mean −261.6
Std Dev 342.4

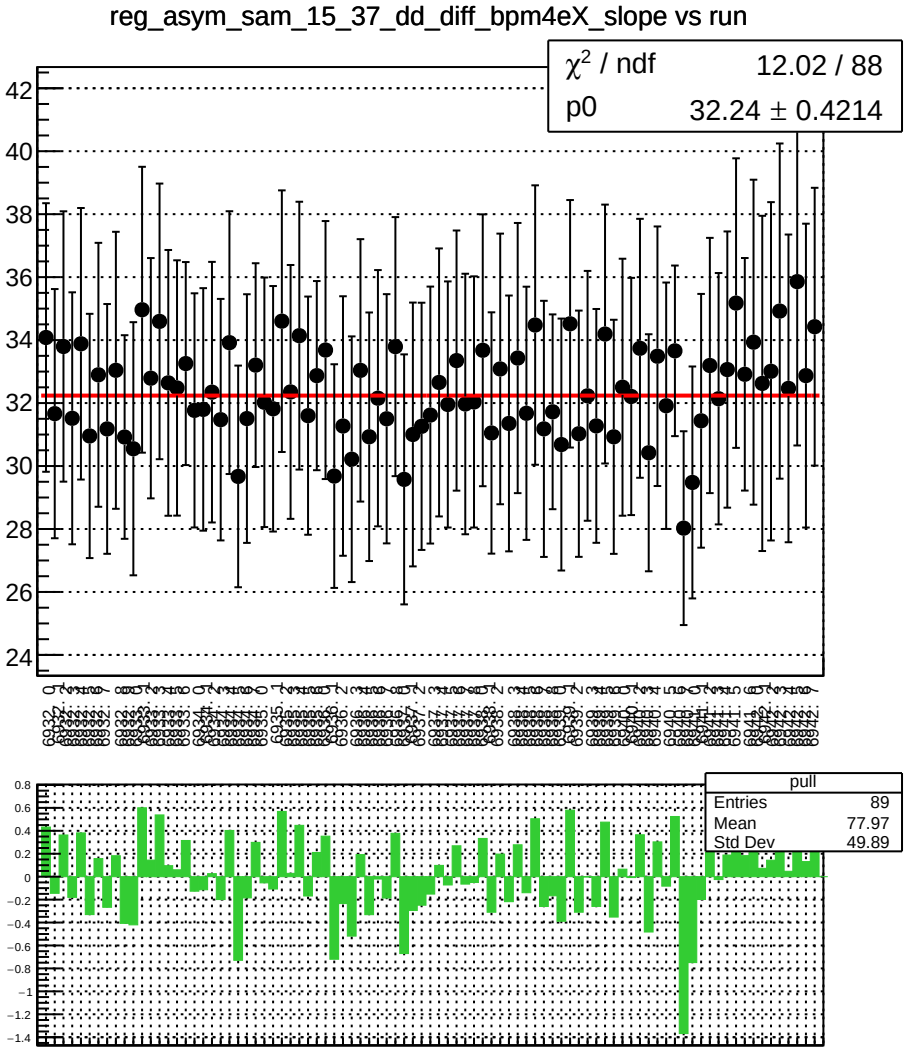

pull1D
Entries 89
Mean 0.002341
Std Dev 0.3859

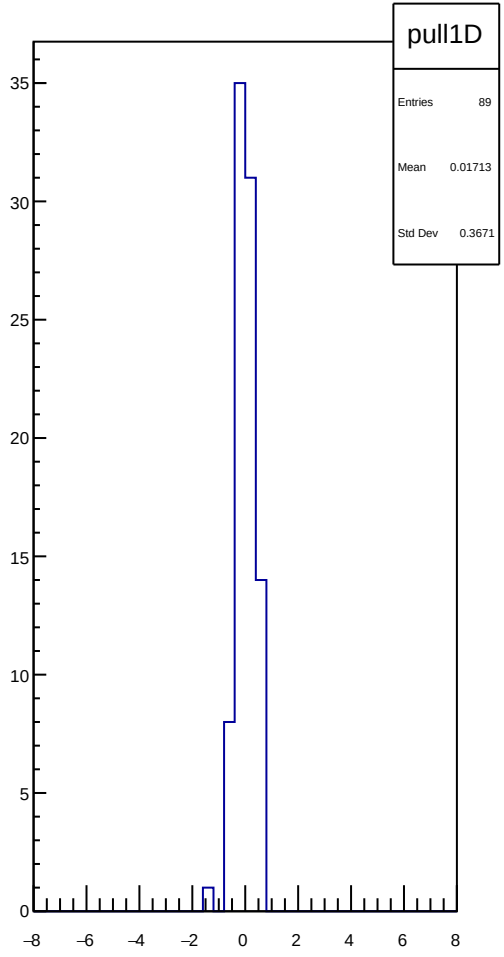

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.58 / 88
p0 4.258 ± 0.4534
pull
Entries 89
Mean 82.97
Std Dev 45.92

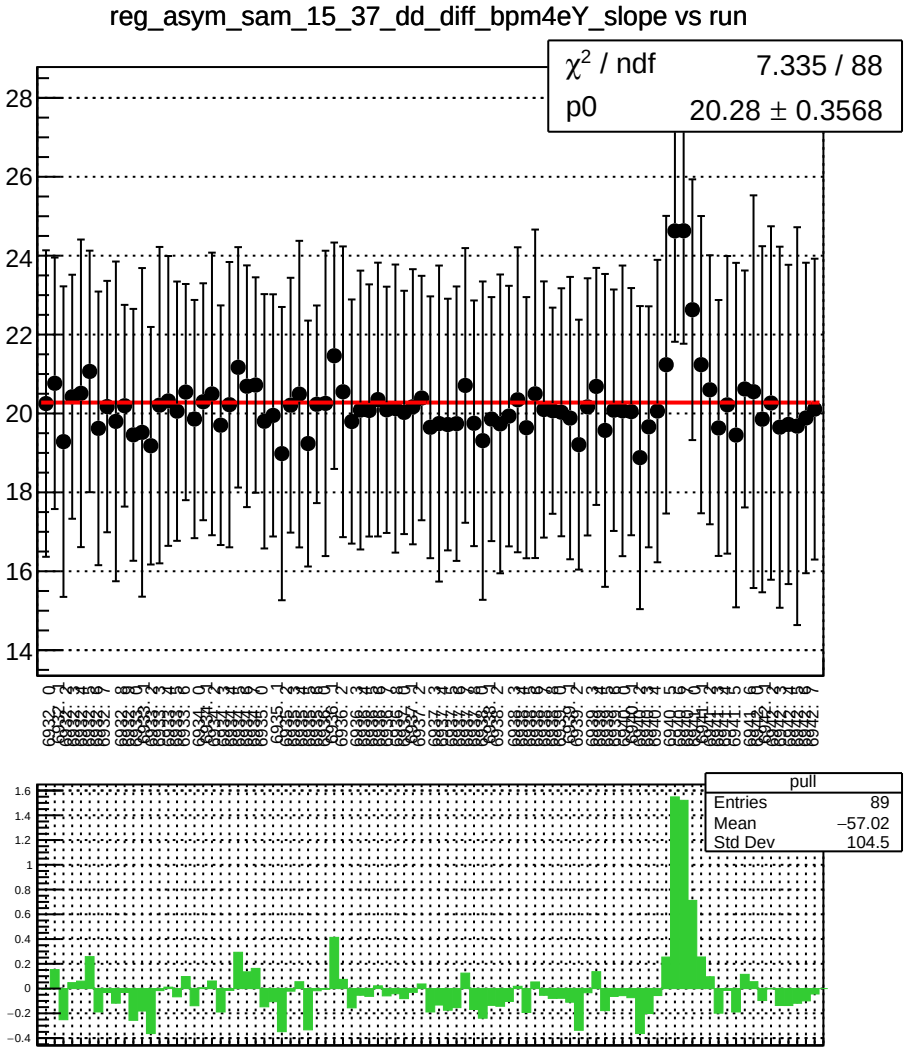

pull1D
Entries 89
Mean −0.01758
Std Dev 0.3276

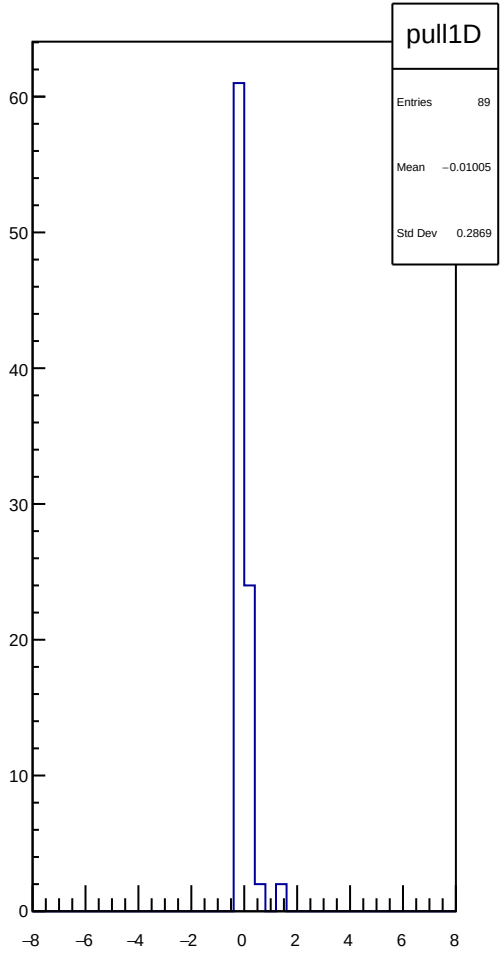

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.414 / 88
p0 0.2432 ± 0.308
pull
Entries 89
Mean 7.024
Std Dev 45.3

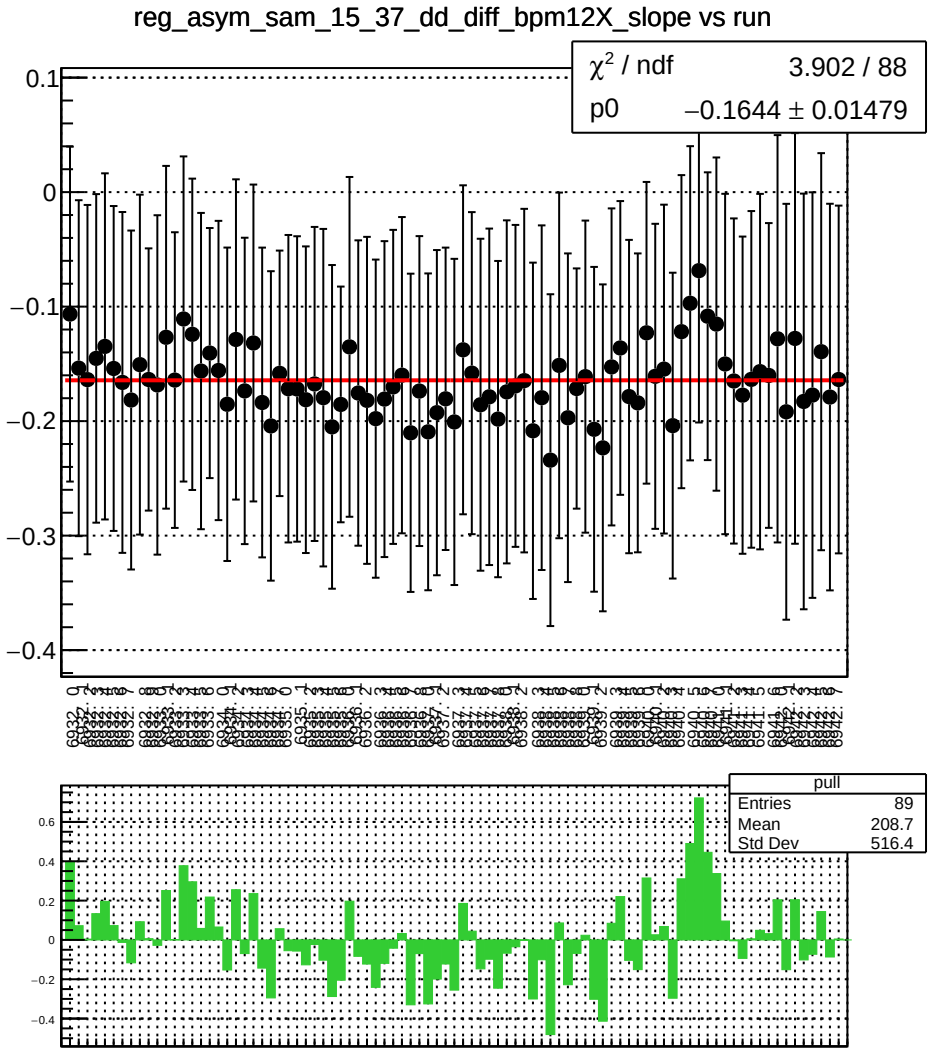

pull1D
Entries 89
Mean 0.01326
Std Dev 0.2463

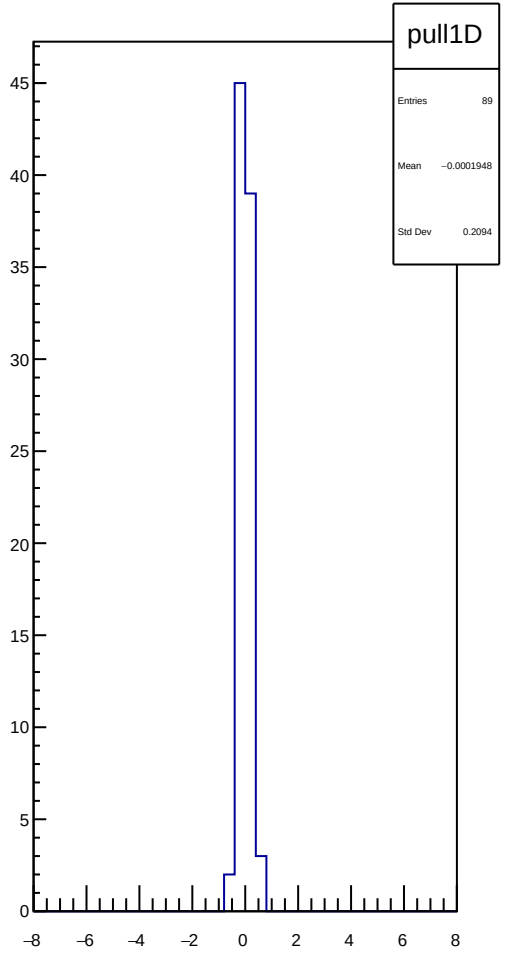

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.02 / 88
p0 32.24 ± 0.4214
pull
Entries 89
Mean 77.97
Std Dev 49.89

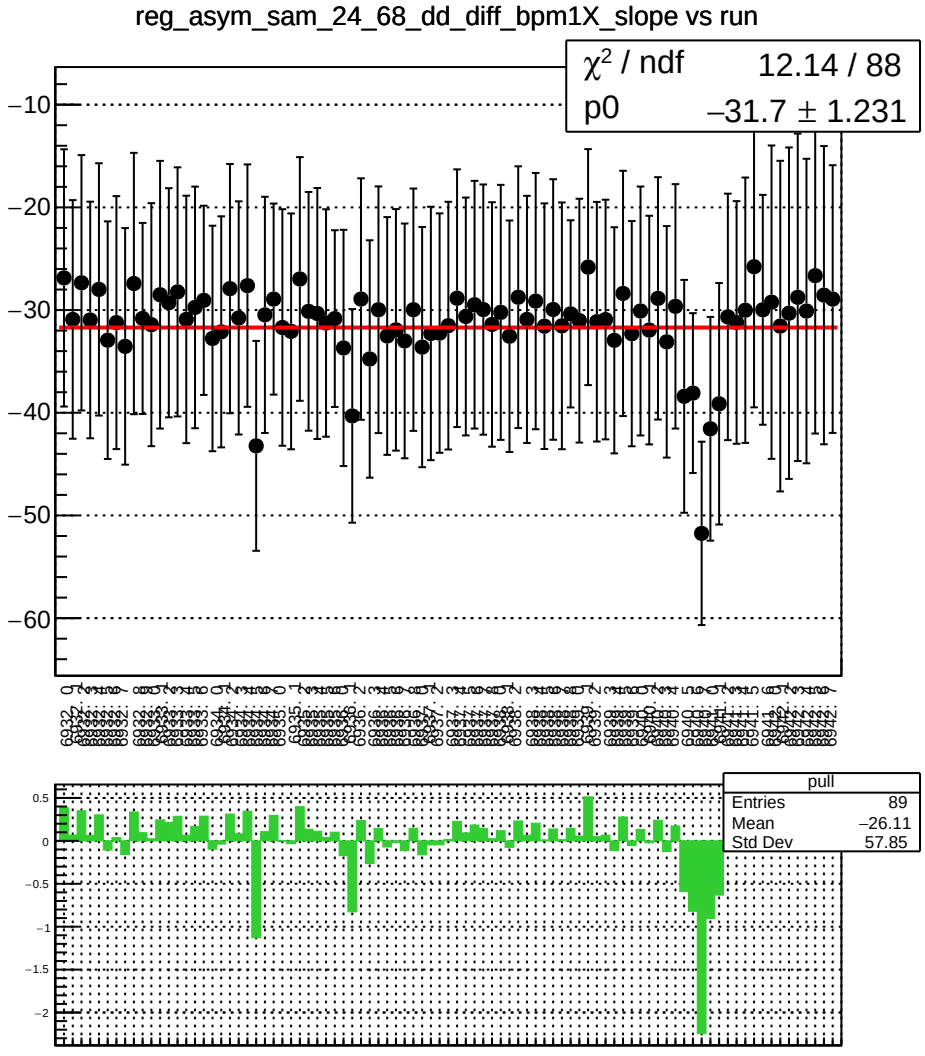

pull1D
Entries 89
Mean 0.01713
Std Dev 0.3671

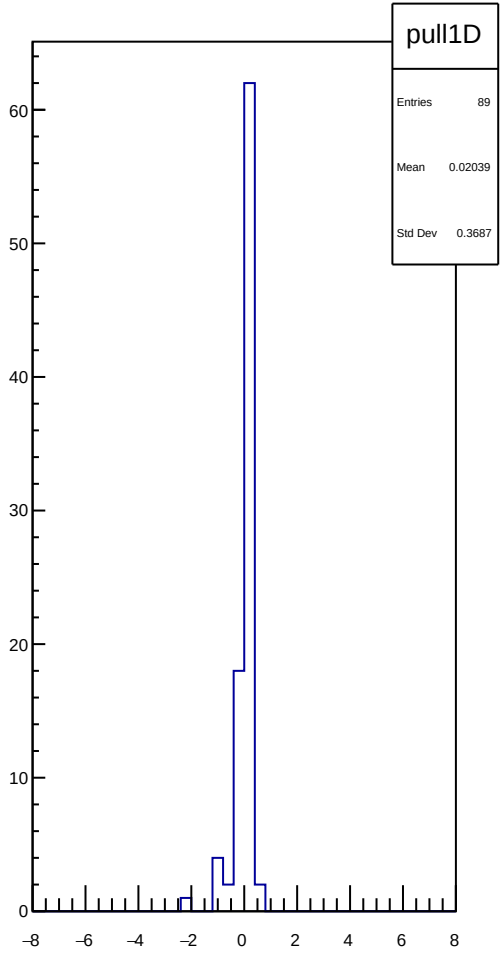

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.335 / 88
p0 20.28 ± 0.3568
pull
Entries 89
Mean −57.02
Std Dev 104.5

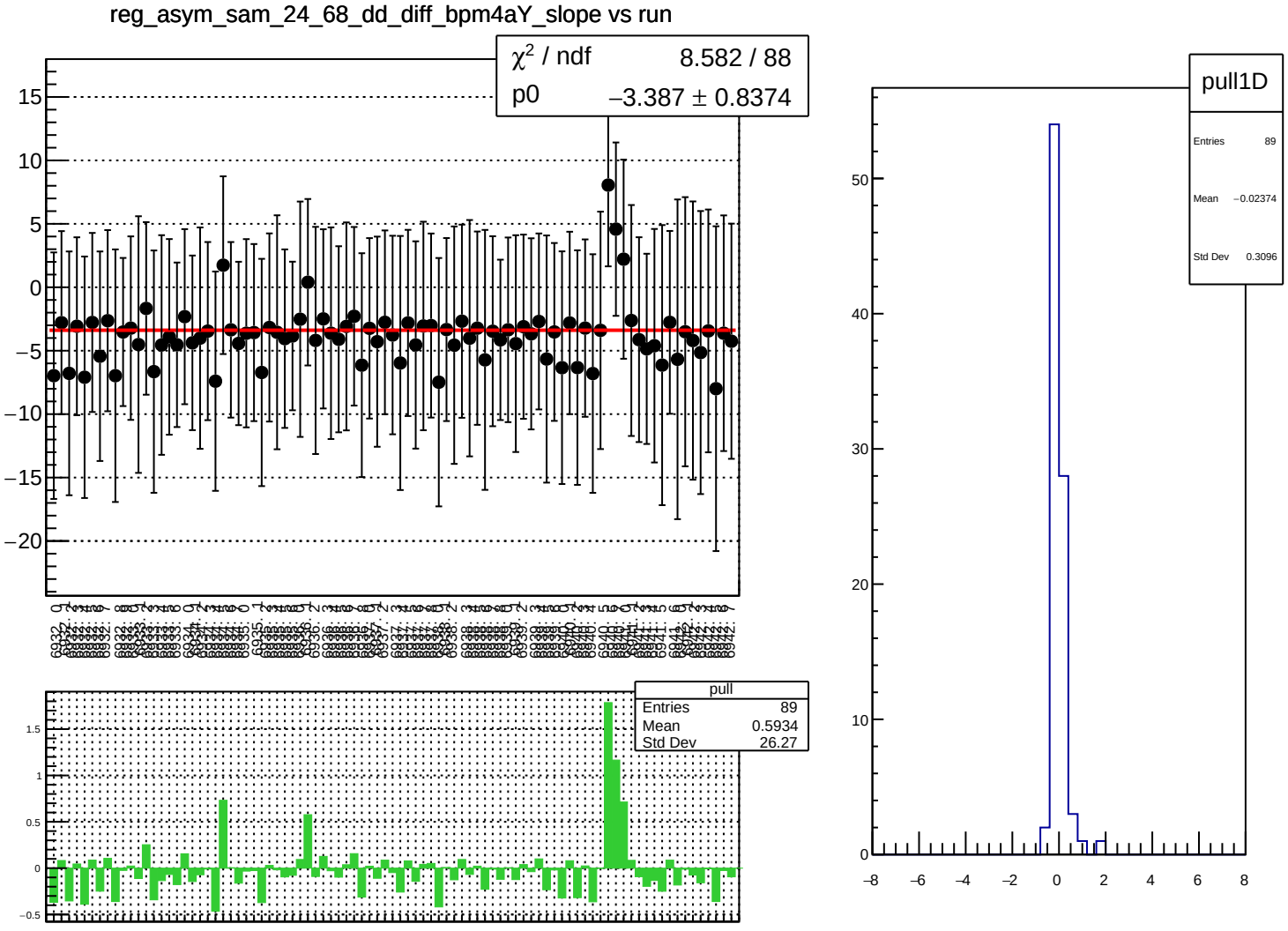

pull1D
Entries 89
Mean −0.01005
Std Dev 0.2869

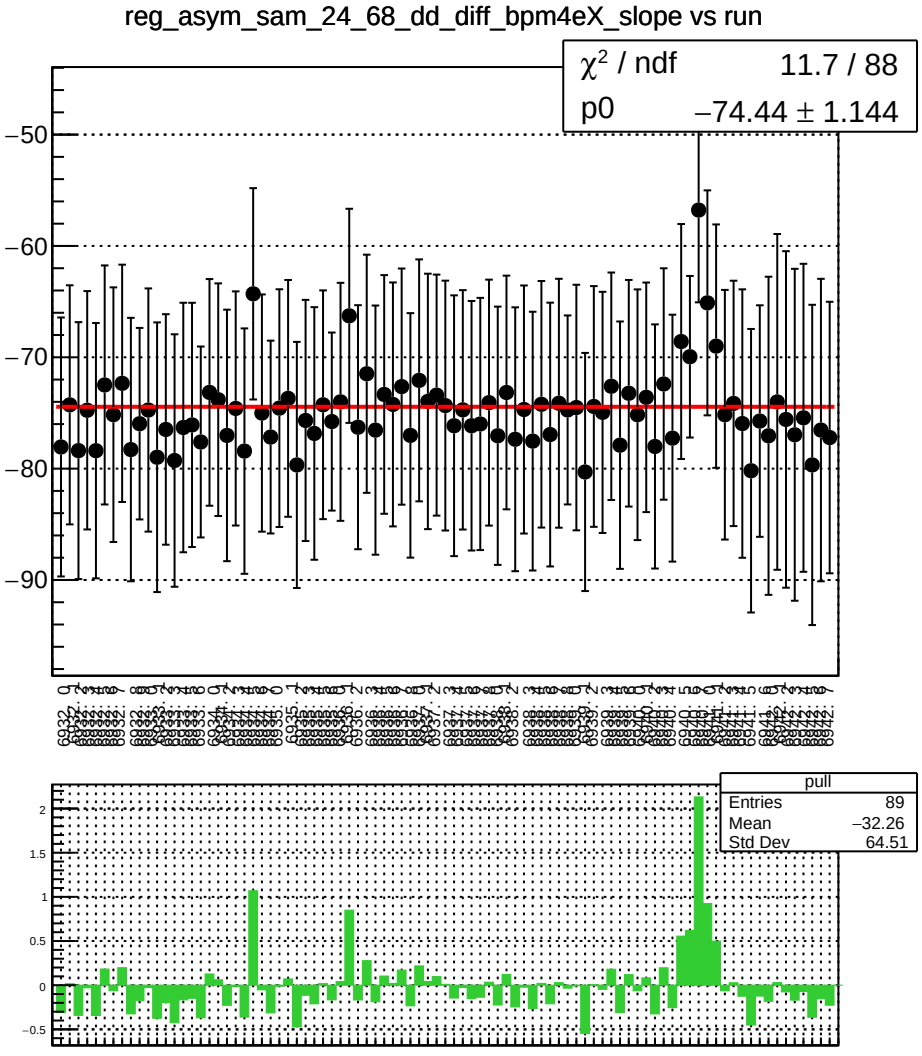

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.902 / 88
p0 −0.1644 ± 0.01479
pull
Entries 89
Mean 208.7
Std Dev 516.4

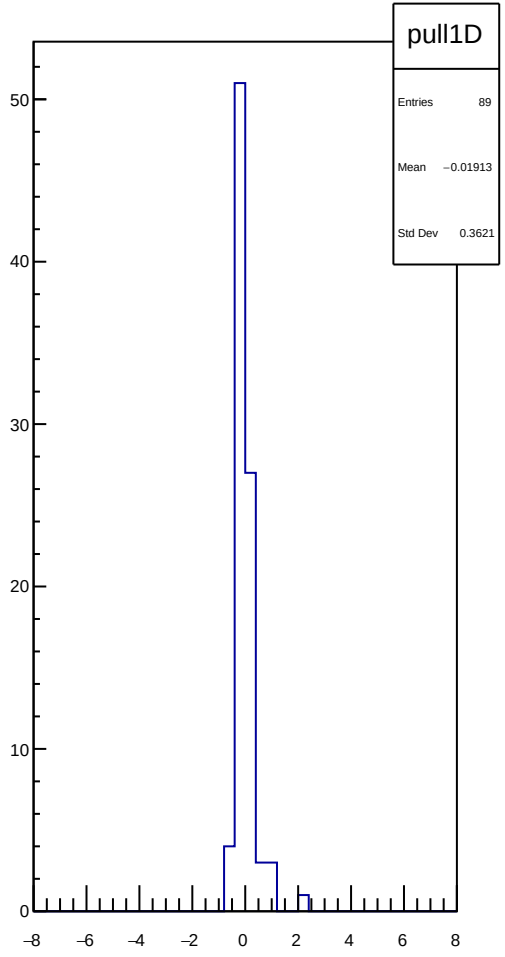

pull1D
Entries 89
Mean −0.0001948
Std Dev 0.2094

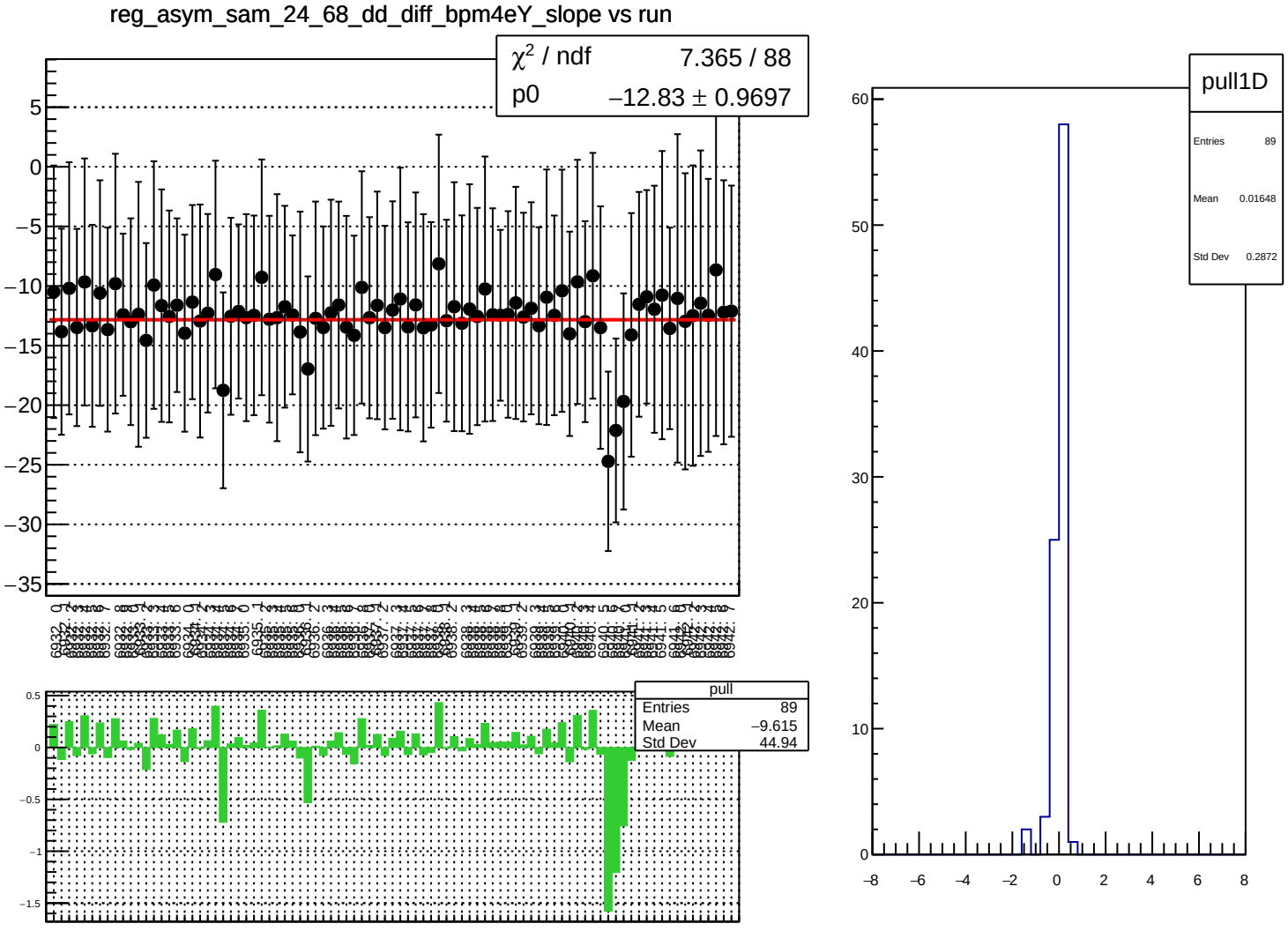

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 12.14 / 88
p0 −31.7 ± 1.231
pull
Entries 89
Mean −26.11
Std Dev 57.85

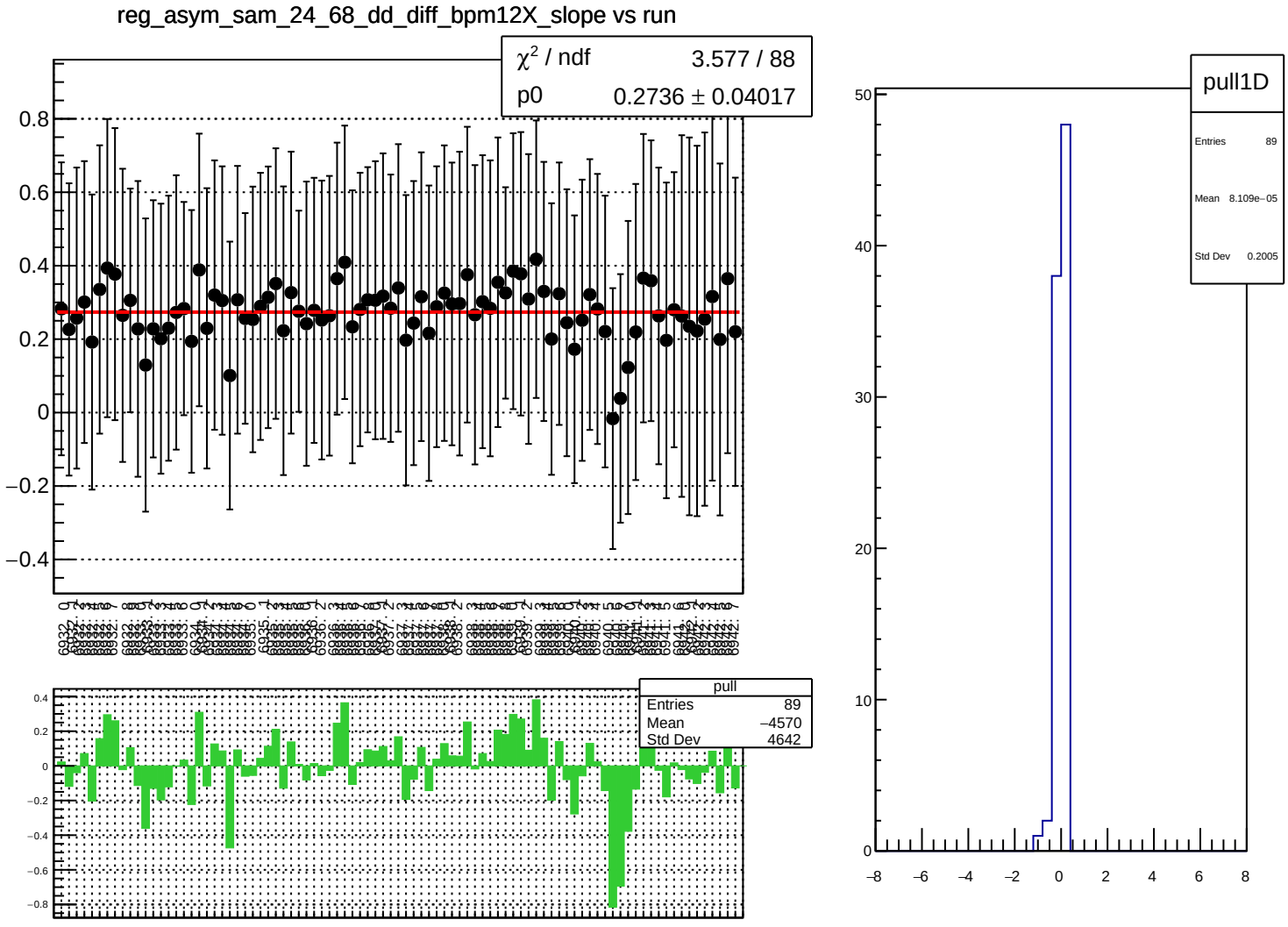

pull1D
Entries 89
Mean 0.02039
Std Dev 0.3687

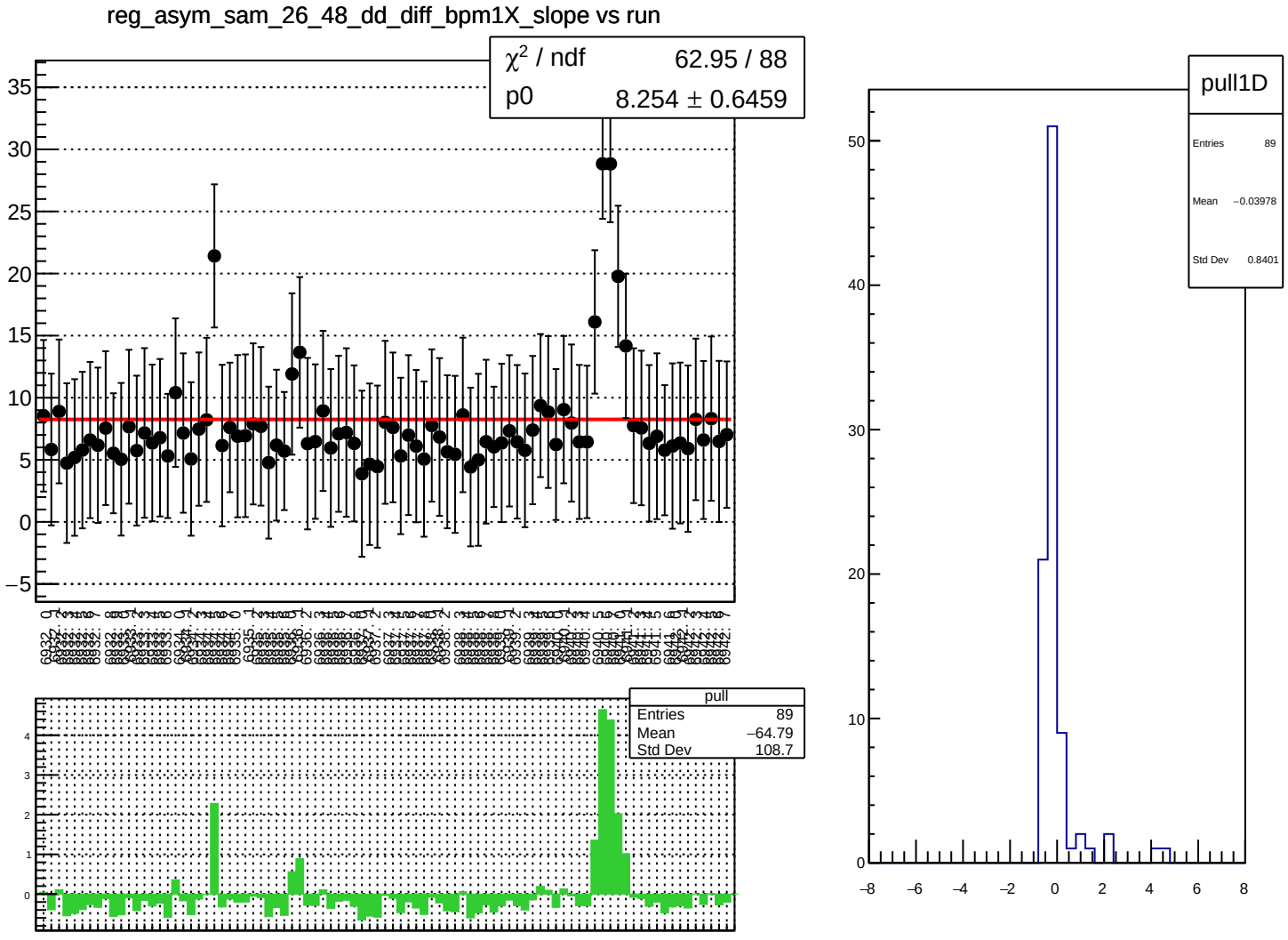

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.582 / 88
p0 −3.387 ± 0.8374
pull
Entries 89
Mean 0.5934
Std Dev 26.27
pull1D
Entries 89
Mean −0.02374
Std Dev 0.3096

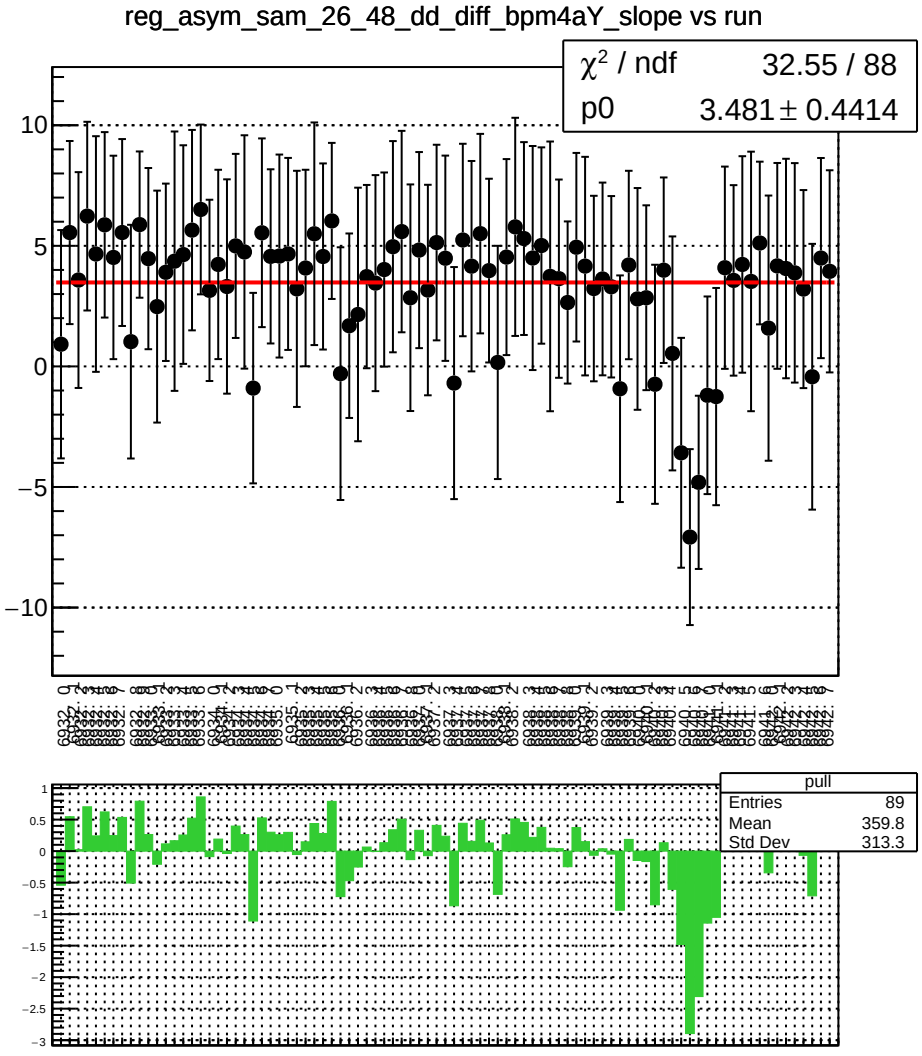

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.7 / 88
p0 −74.44 ± 1.144
−50
−60
−70
−80
−90
pull
Entries 89
Mean −32.26
Std Dev 64.51
2
1.5
1
0.5
0
−0.5

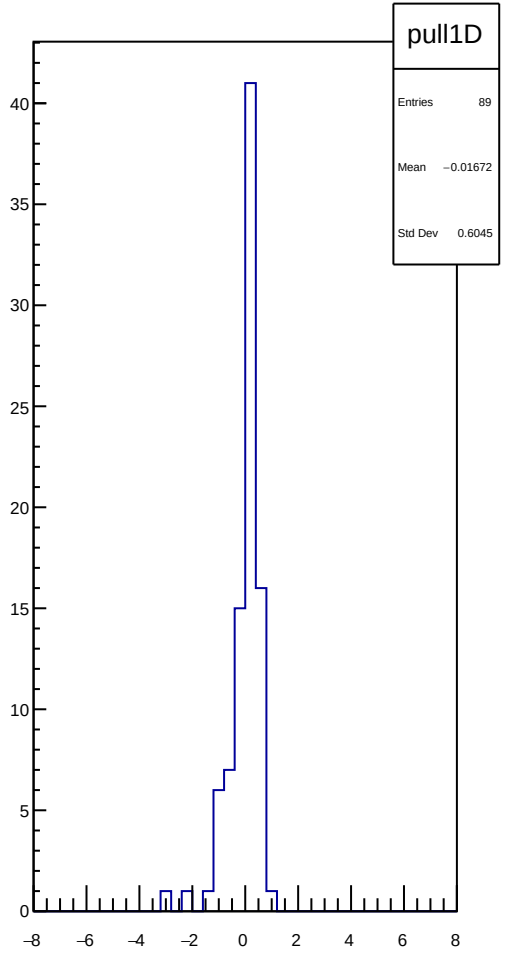

pull1D
Entries 89
Mean −0.01913
Std Dev 0.3621
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

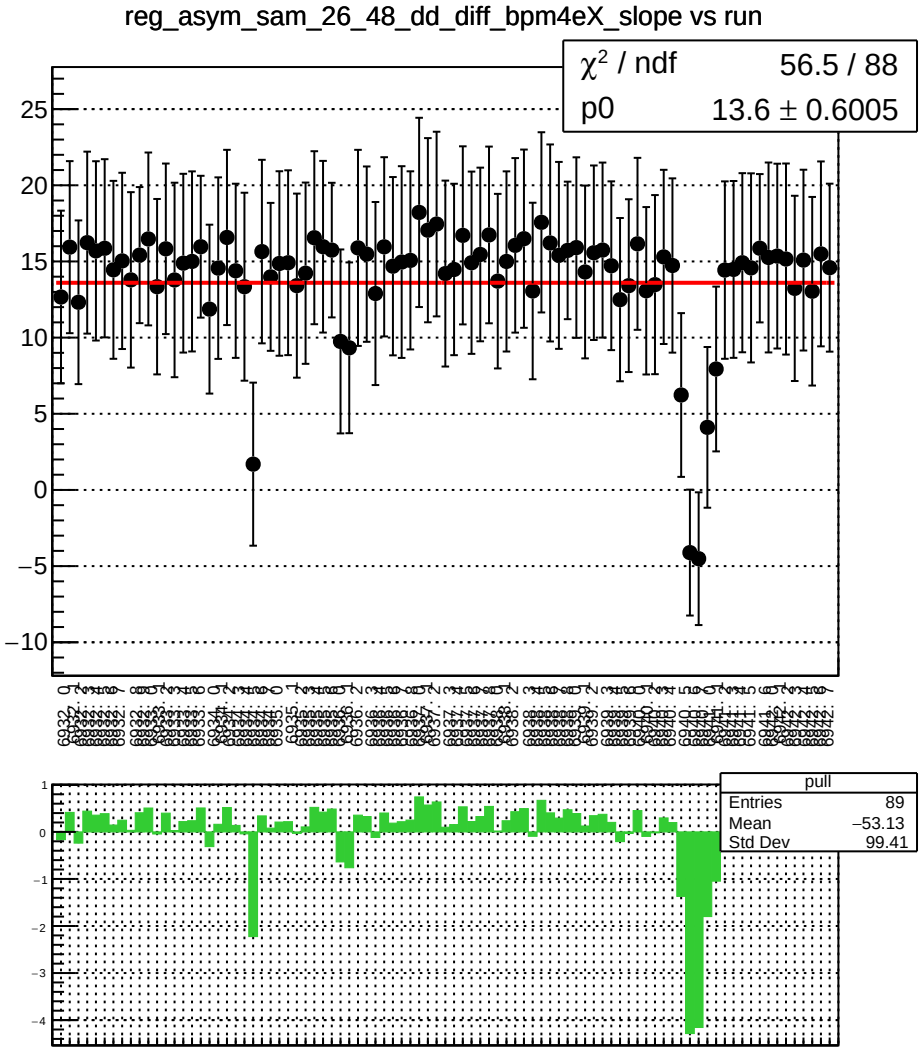

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.365 / 88
p0 −12.83 ± 0.9697
pull
Entries 89
Mean −9.615
Std Dev 44.94
pull1D
Entries 89
Mean 0.01648
Std Dev 0.2872

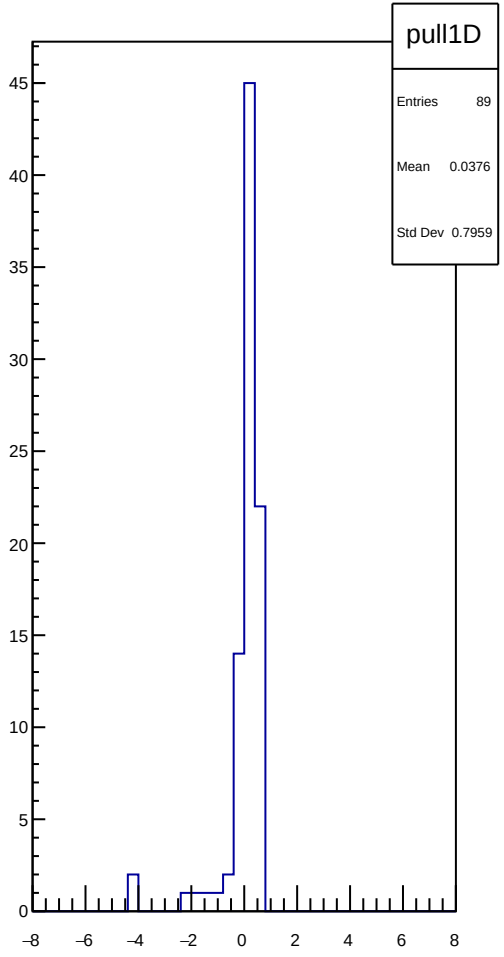

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.577 / 88
p0 0.2736 ± 0.04017
pull
Entries 89
Mean −4570
Std Dev 4642
pull1D
Entries 89
Mean 8.109e−05
Std Dev 0.2005

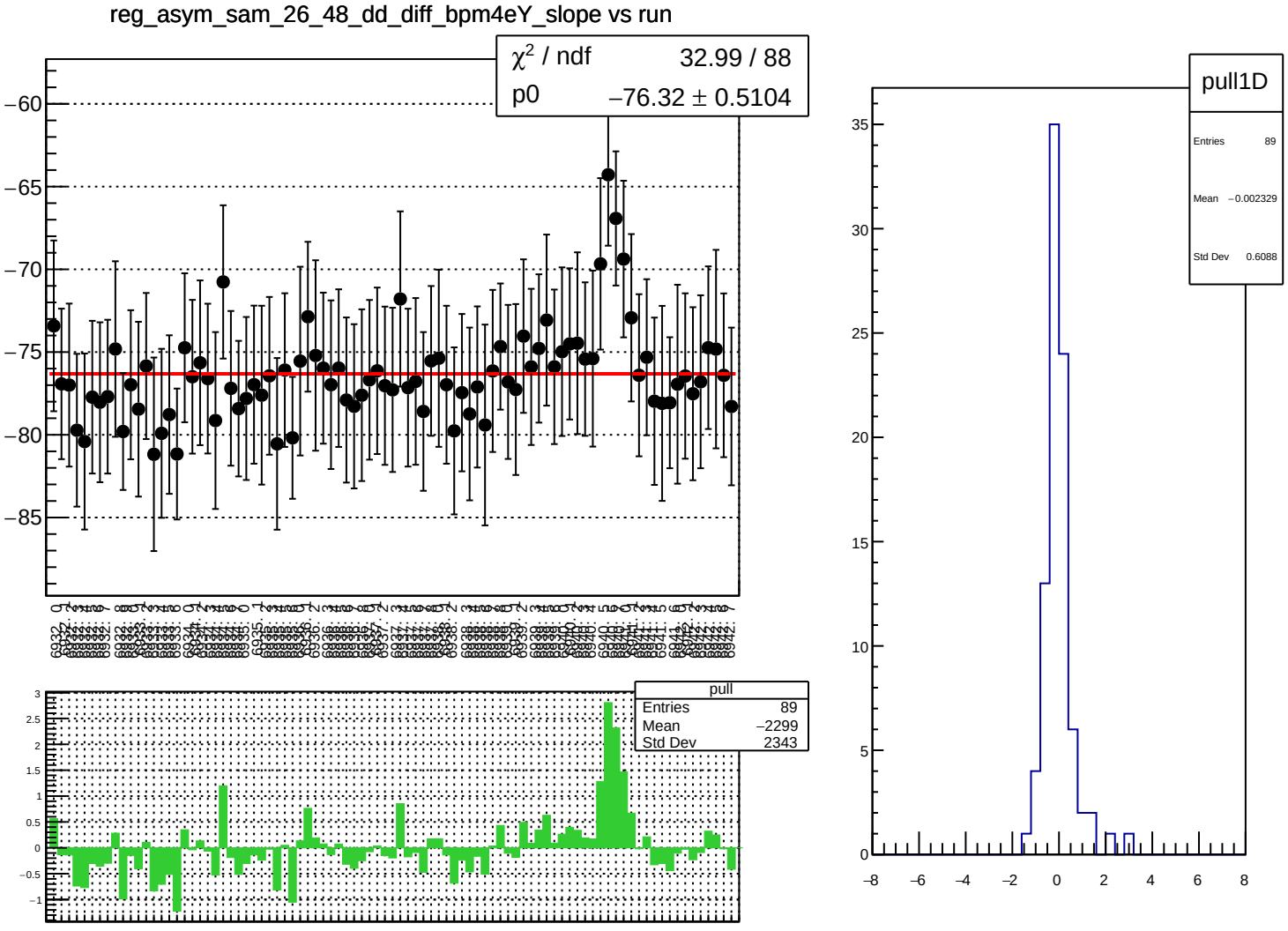

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 62.95 / 88
p0 8.254 ± 0.6459
pull
Entries 89
Mean −64.79
Std Dev 108.7
pull1D
Entries 89
Mean −0.03978
Std Dev 0.8401

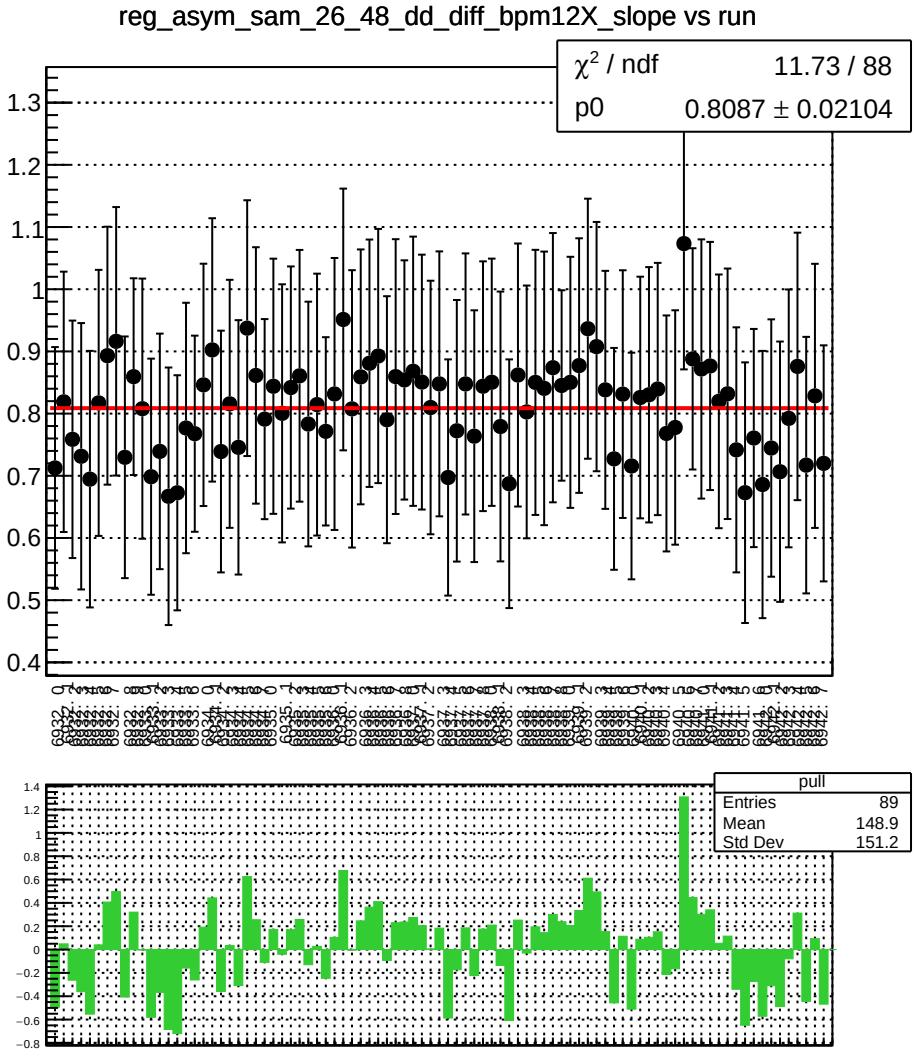

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 32.55 / 88
p0 3.481 ± 0.4414
pull
Entries 89
Mean 359.8
Std Dev 313.3

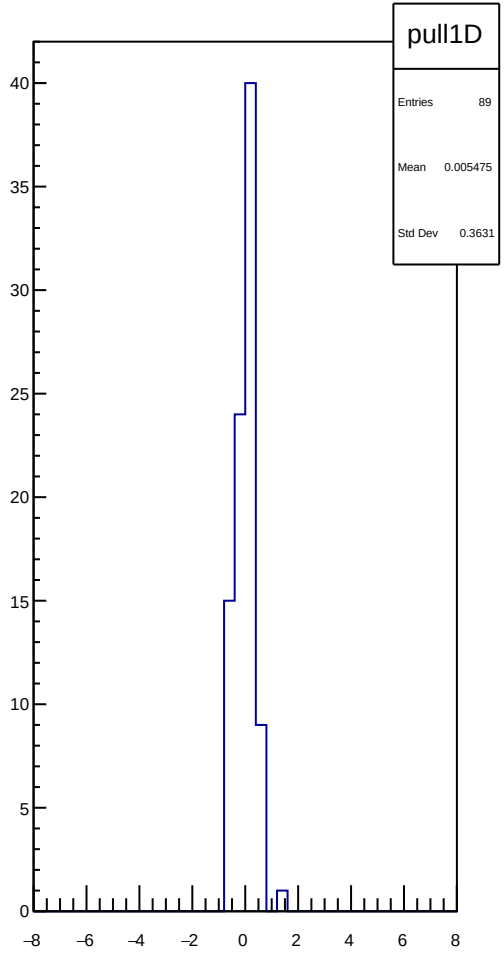

pull1D
Entries 89
Mean −0.01672
Std Dev 0.6045

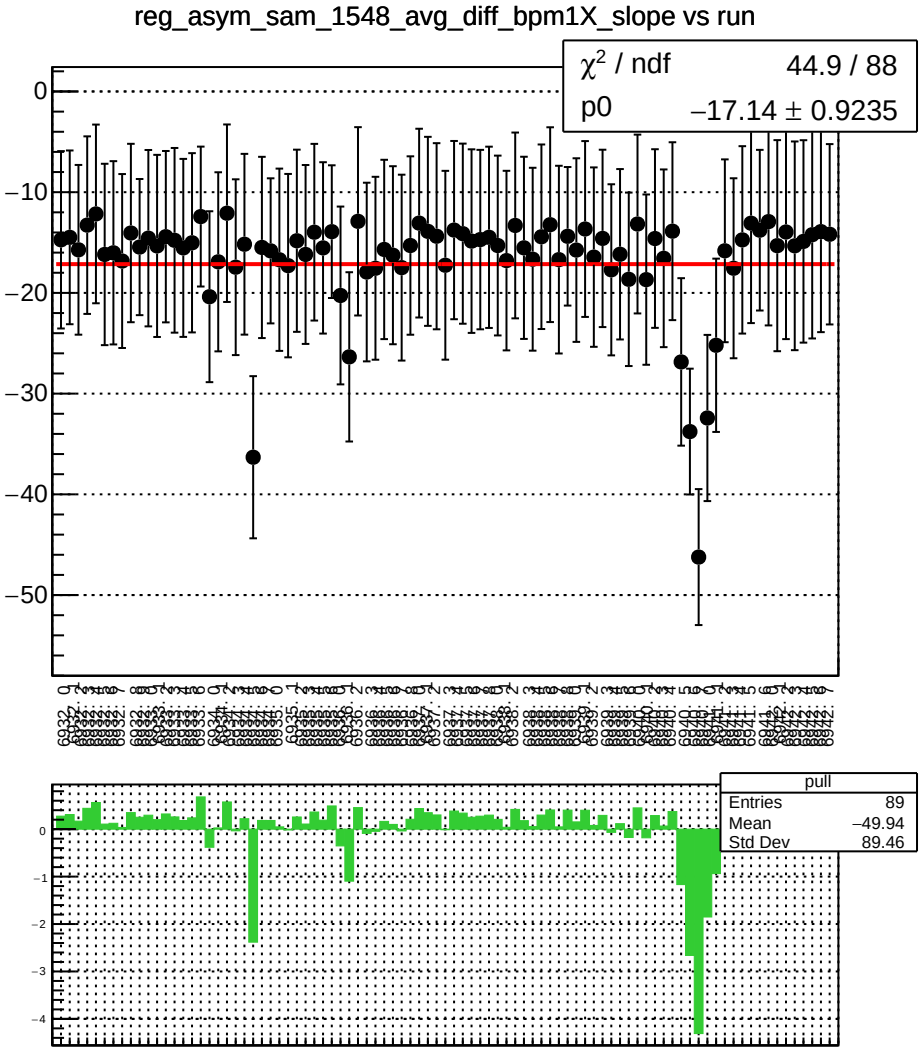

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.5 / 88
p0 13.6 ± 0.6005
pull
Entries 89
Mean −53.13
Std Dev 99.41

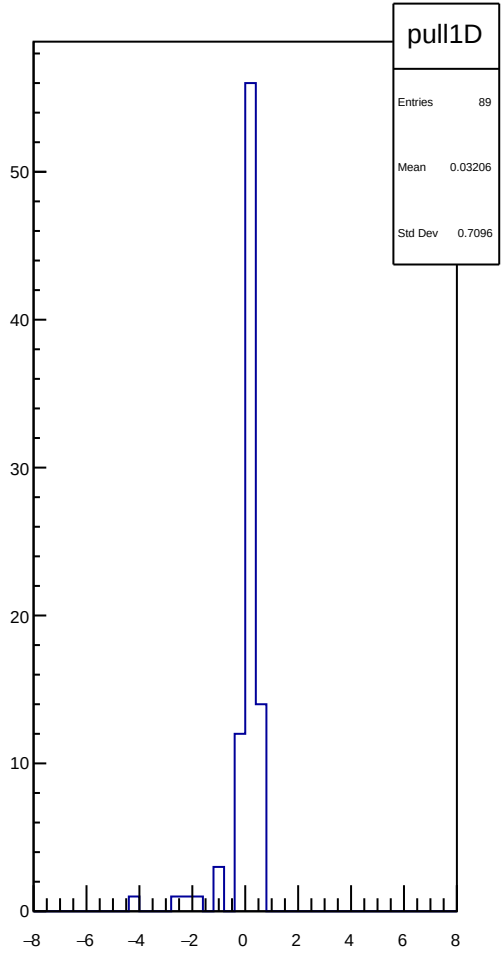

pull1D
Entries 89
Mean 0.0376
Std Dev 0.7959

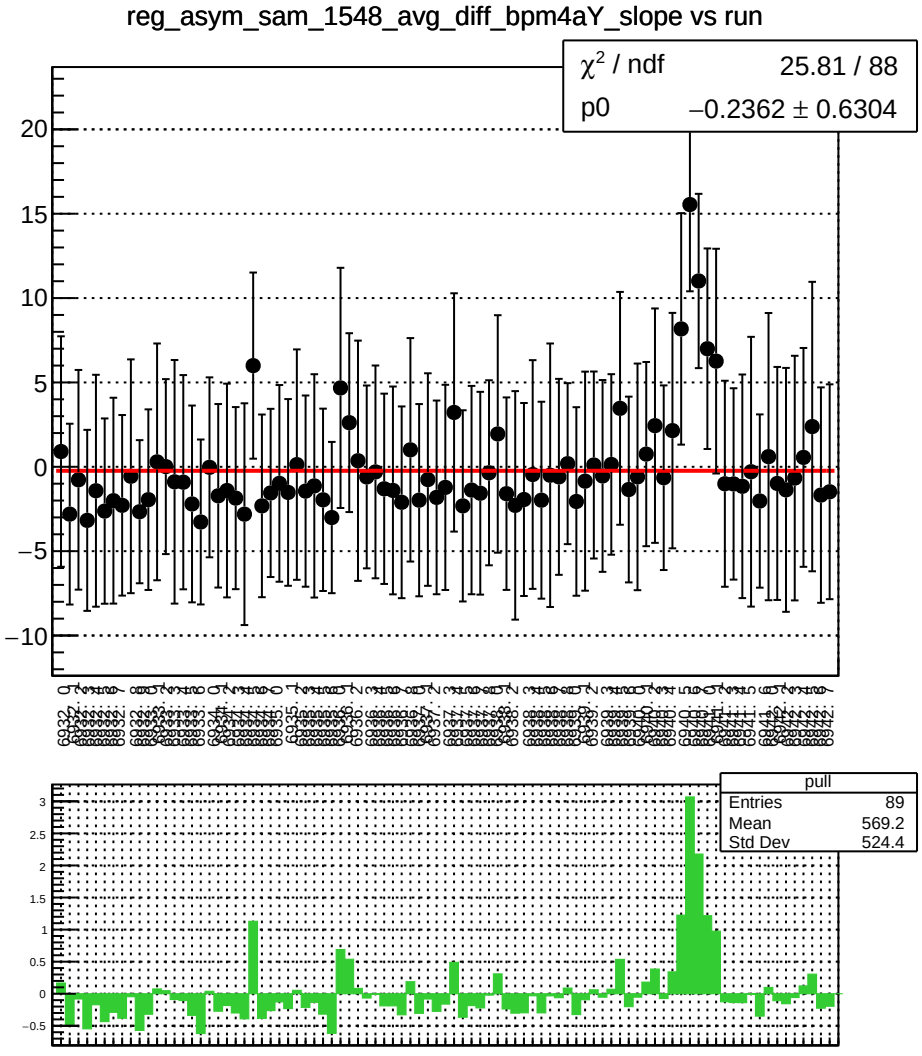

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 32.99 / 88
p0 −76.32 ± 0.5104
pull
Entries 89
Mean −2299
Std Dev 2343
pull1D
Entries 89
Mean −0.002329
Std Dev 0.6088

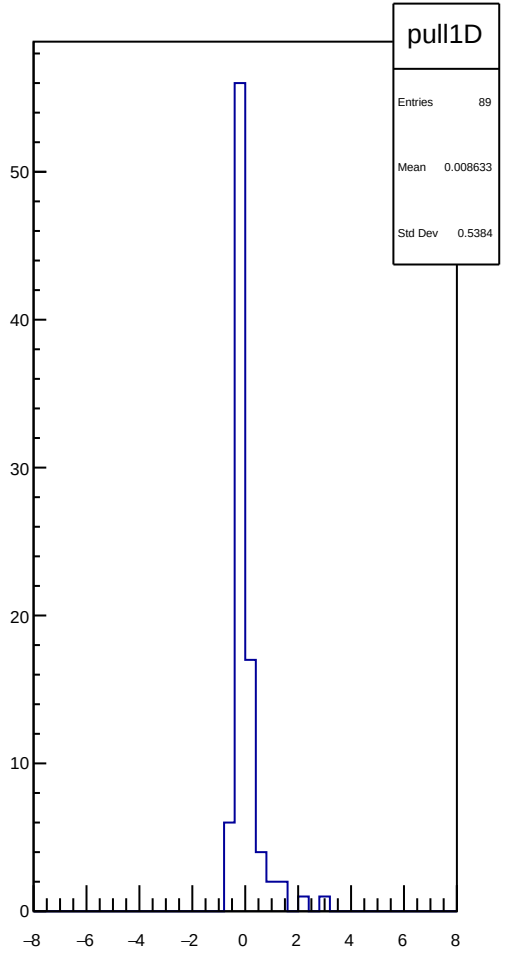

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 11.73 / 88
p0 0.8087 ± 0.02104
pull
Entries 89
Mean 148.9
Std Dev 151.2


pull1D
Entries 89
Mean 0.005475
Std Dev 0.3631

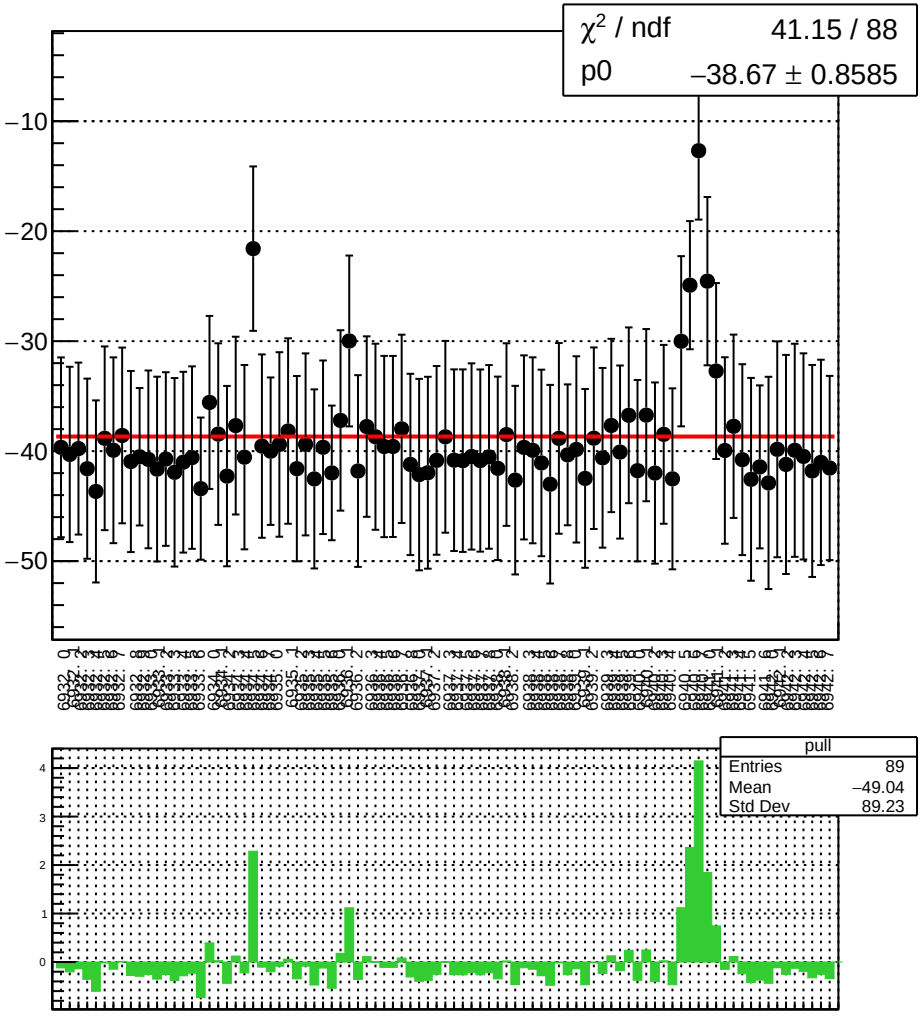

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 44.9 / 88
p0 −17.14 ± 0.9235
pull
Entries 89
Mean −49.94
Std Dev 89.46

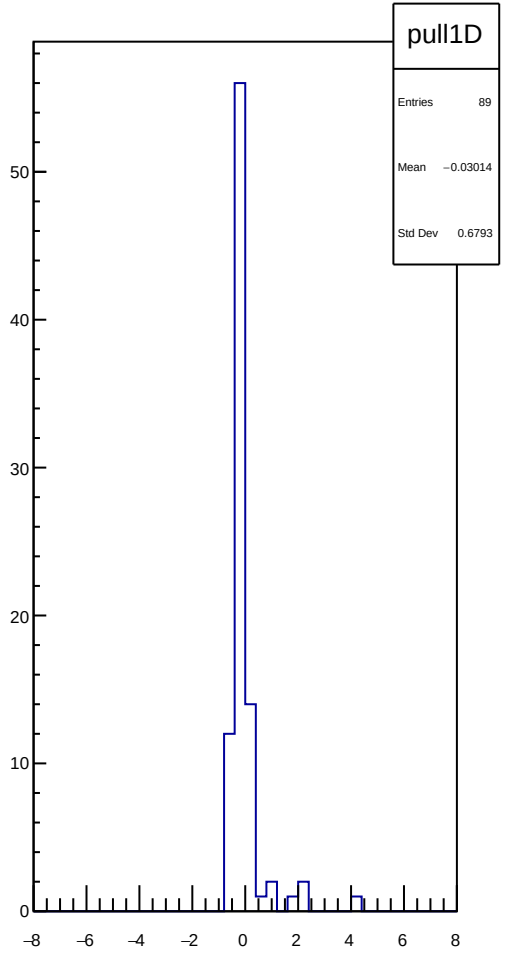

pull1D
Entries 89
Mean 0.03206
Std Dev 0.7096

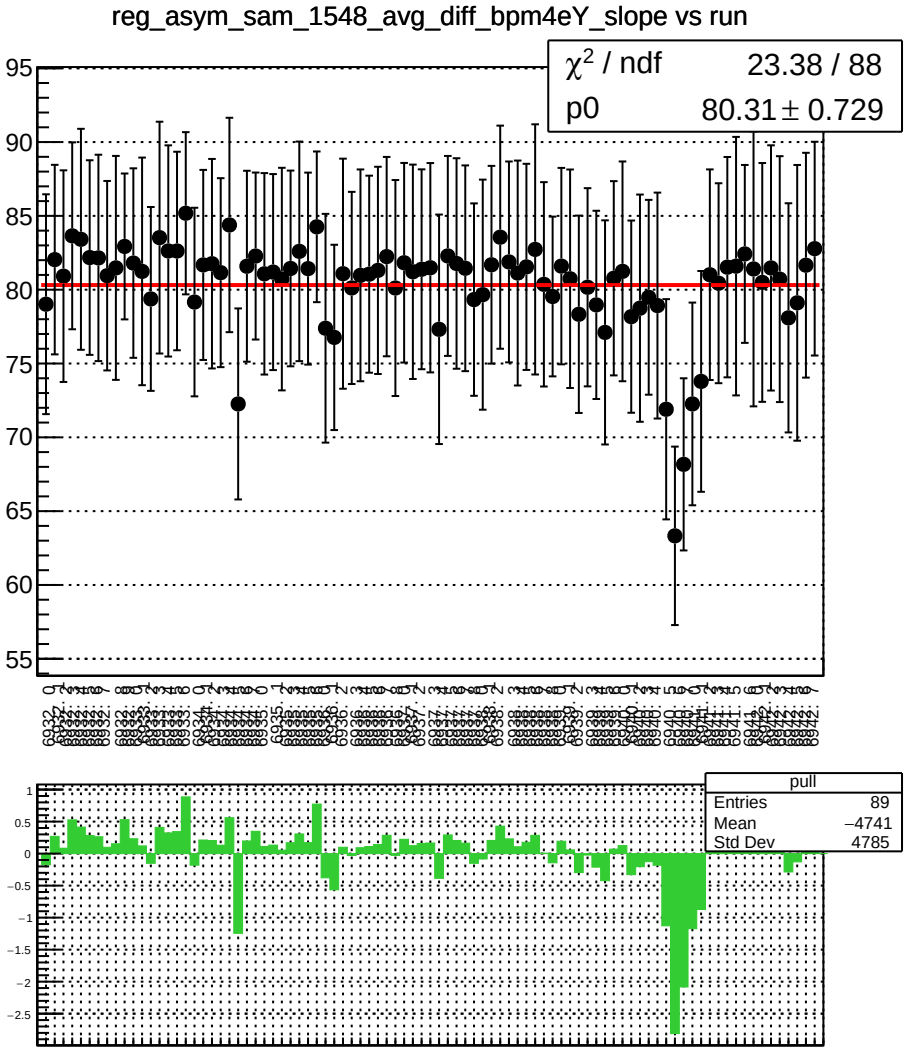

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 25.81 / 88
p0 −0.2362 ± 0.6304
pull
Entries 89
Mean 569.2
Std Dev 524.4

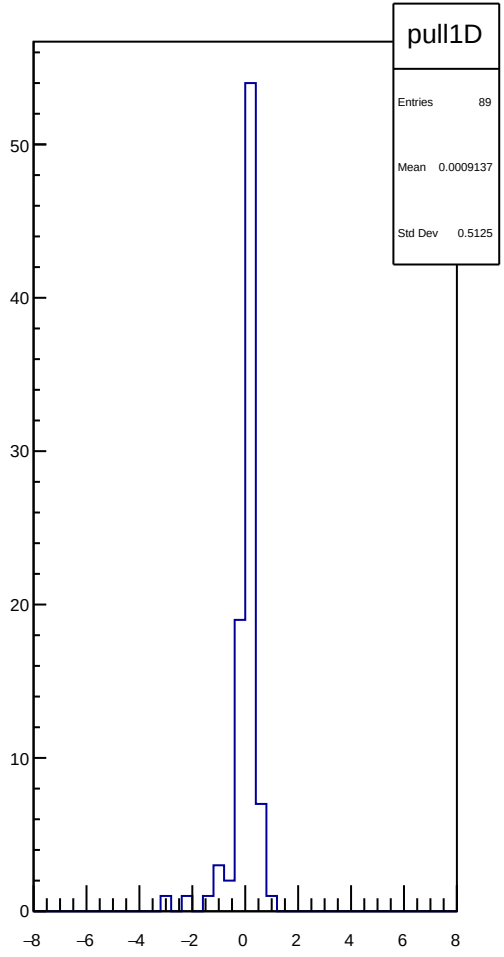

pull1D
Entries 89
Mean 0.008633
Std Dev 0.5384

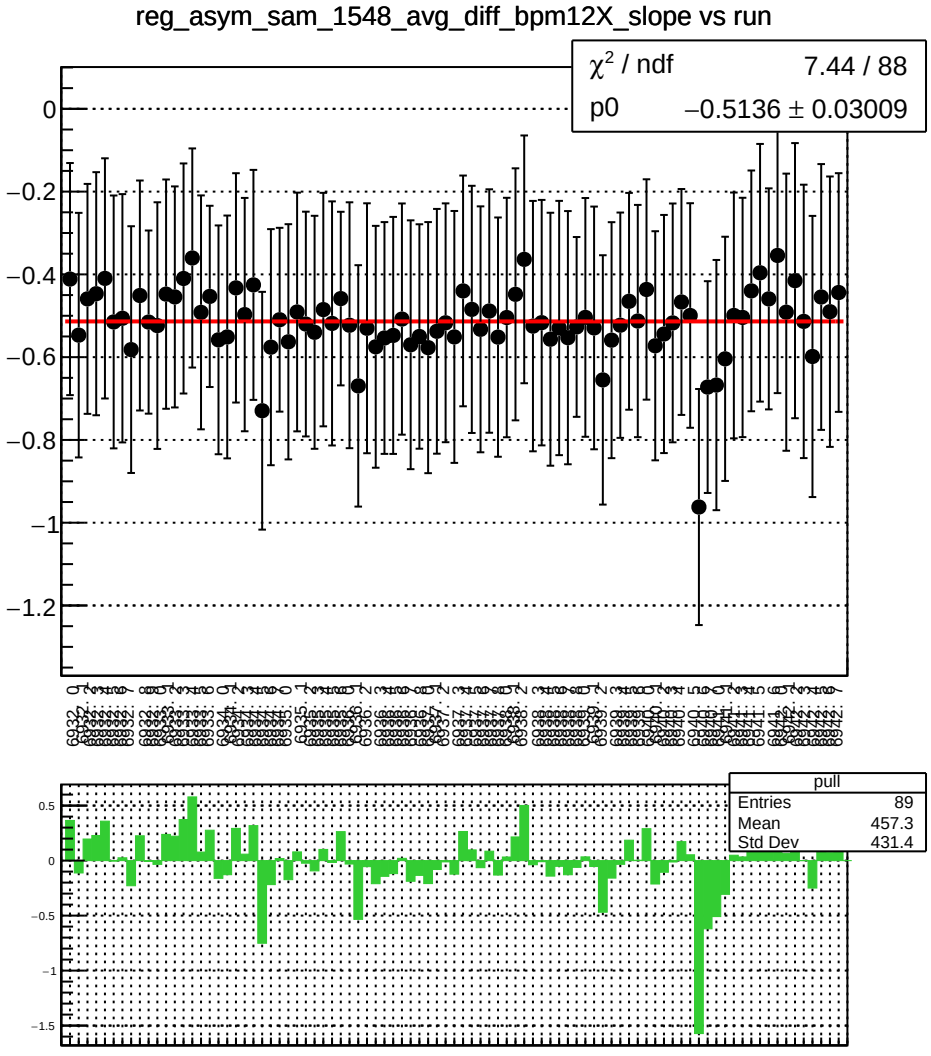
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run

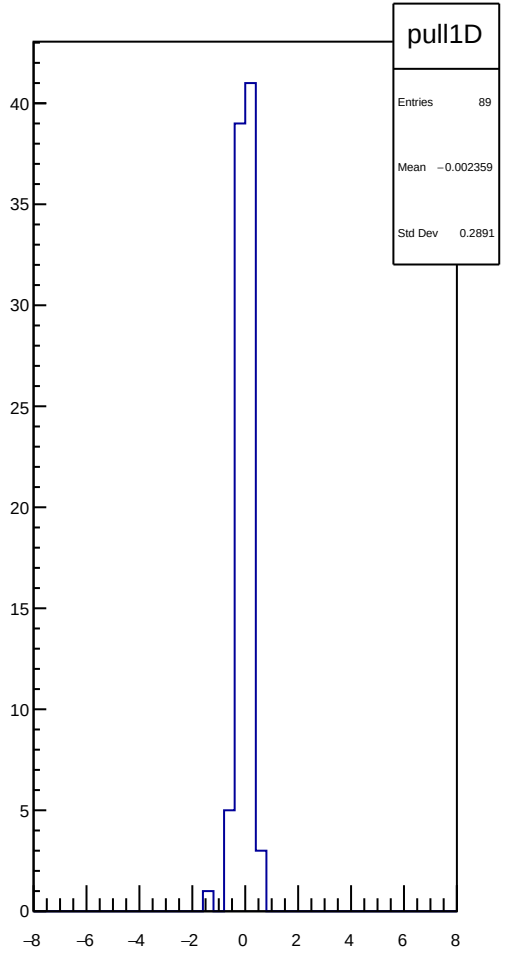


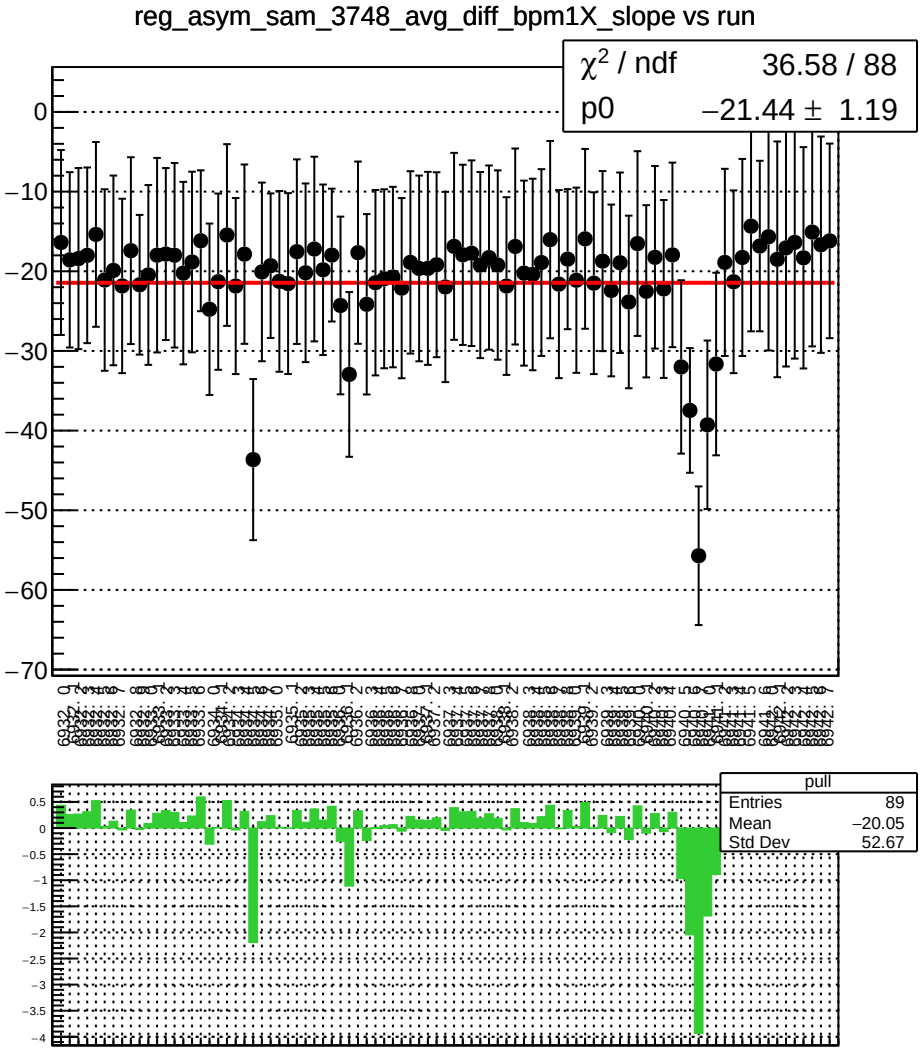


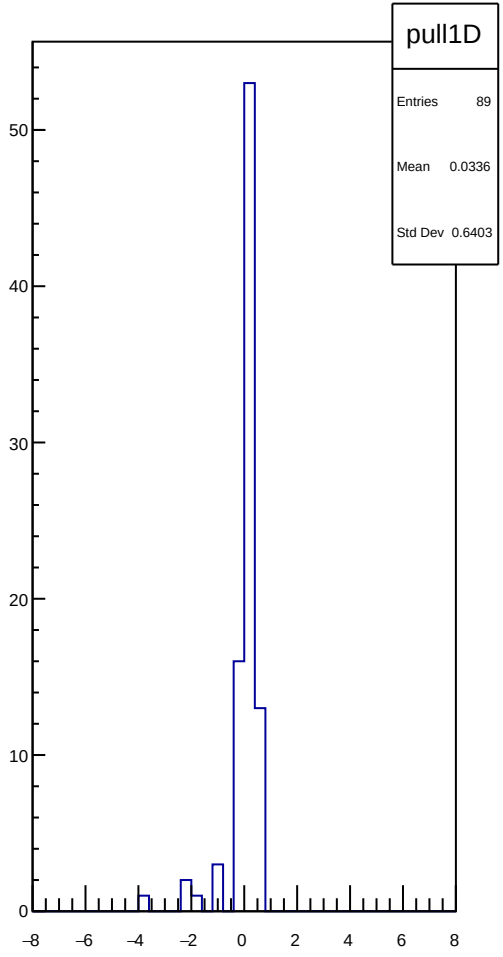

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.38 / 88
p0 80.31 ± 0.729
pull
Entries 89
Mean −4741
Std Dev 4785

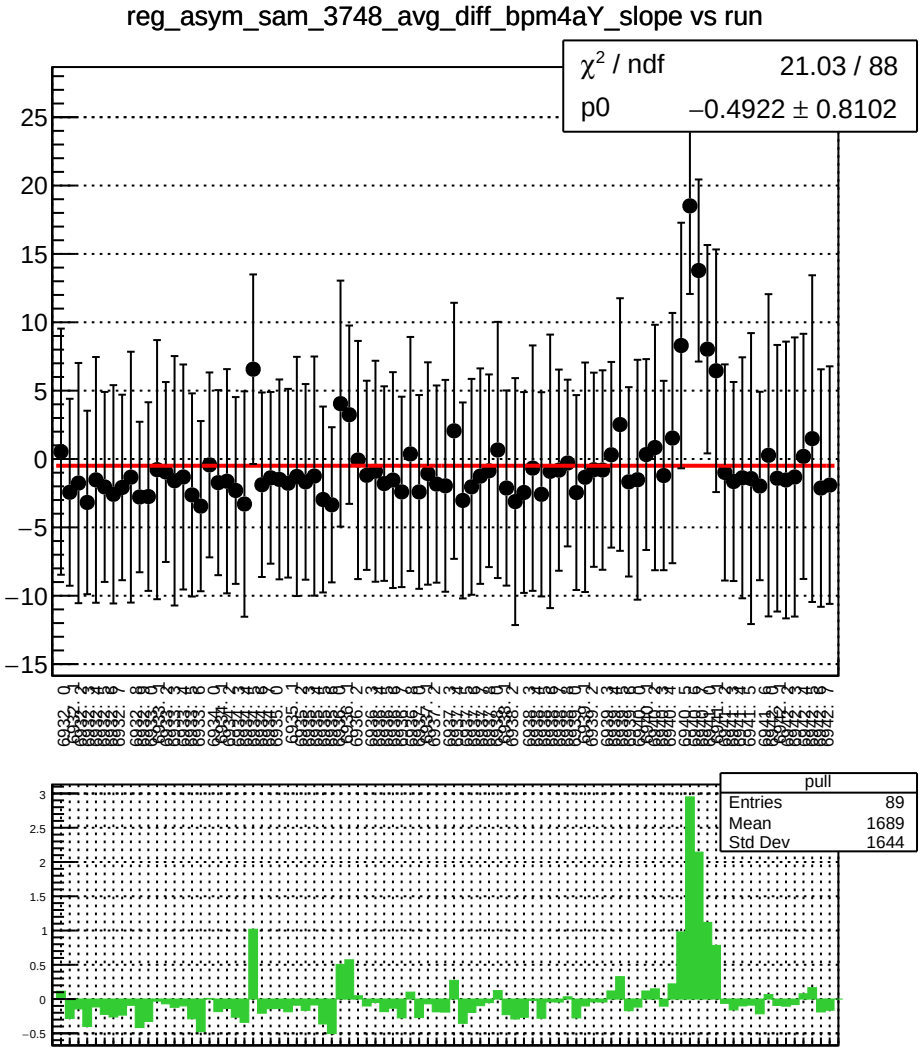

pull1D
Entries 89
Mean 0.0009137
Std Dev 0.5125

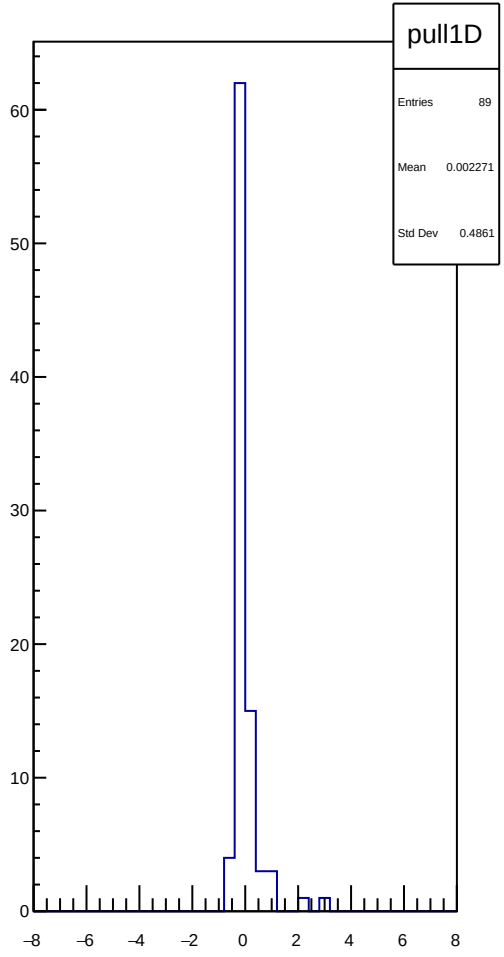

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.44 / 88
p0 −0.5136 ± 0.03009
pull
Entries 89
Mean 457.3
Std Dev 431.4

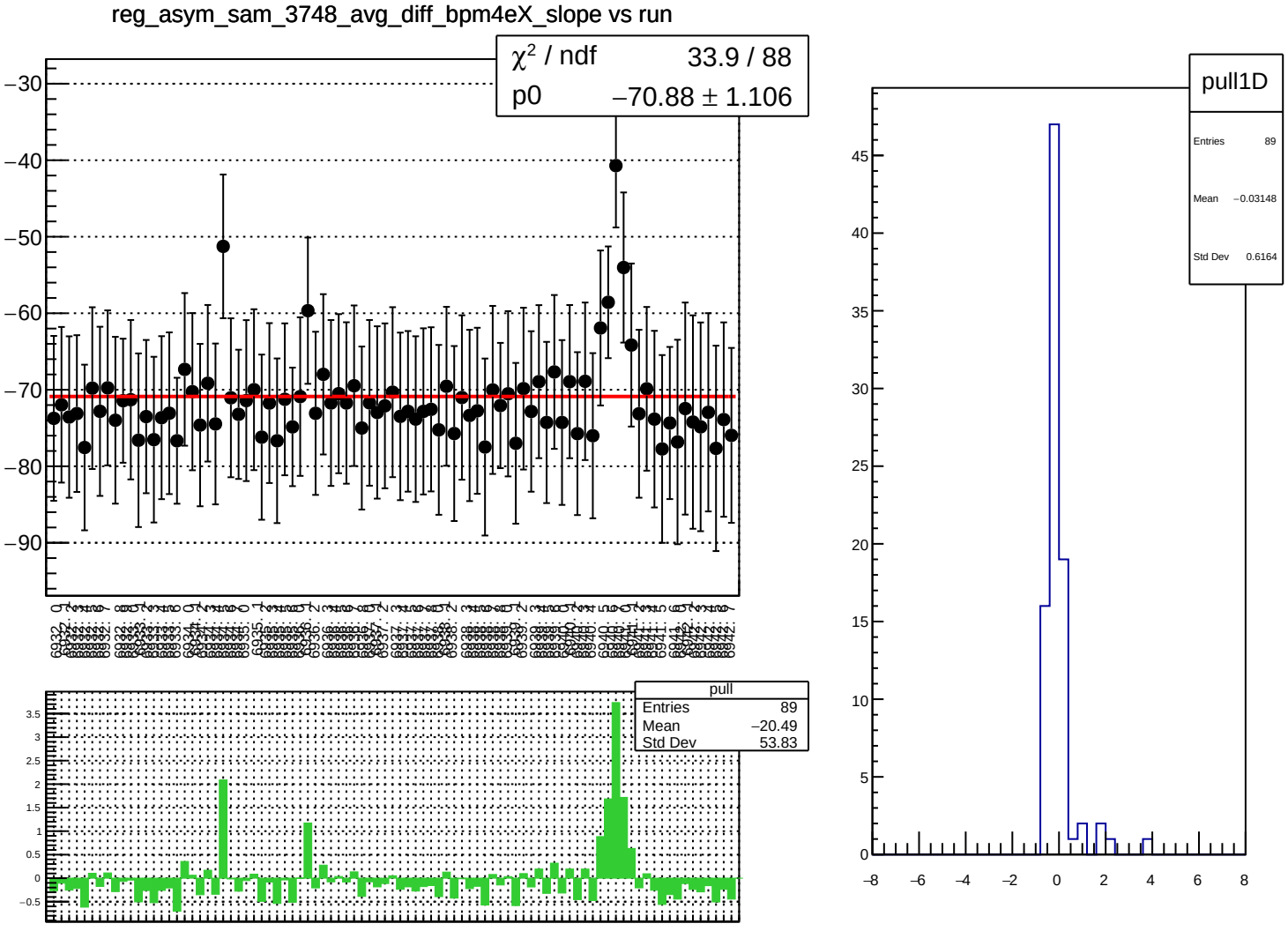

pull1D
Entries 89
Mean −0.002359
Std Dev 0.2891

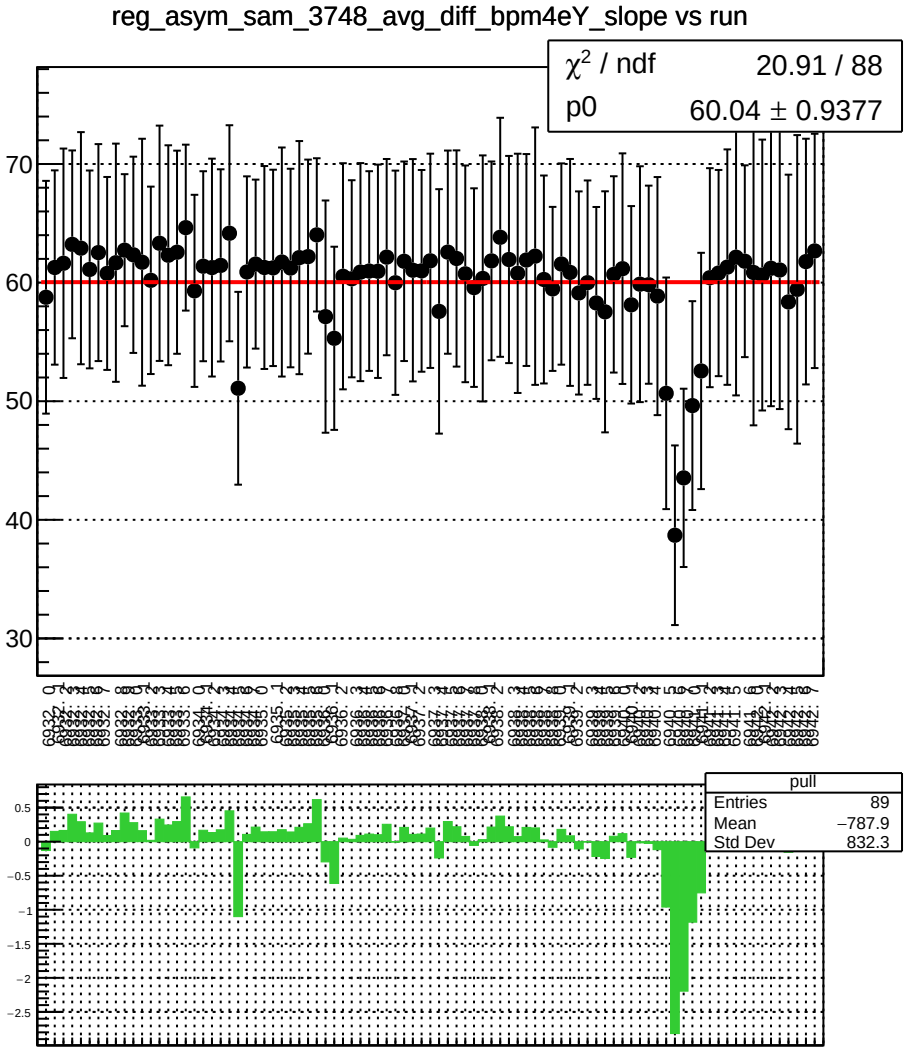

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 36.58 / 88
p0 −21.44 ± 1.19
pull
Entries 89
Mean −20.05
Std Dev 52.67

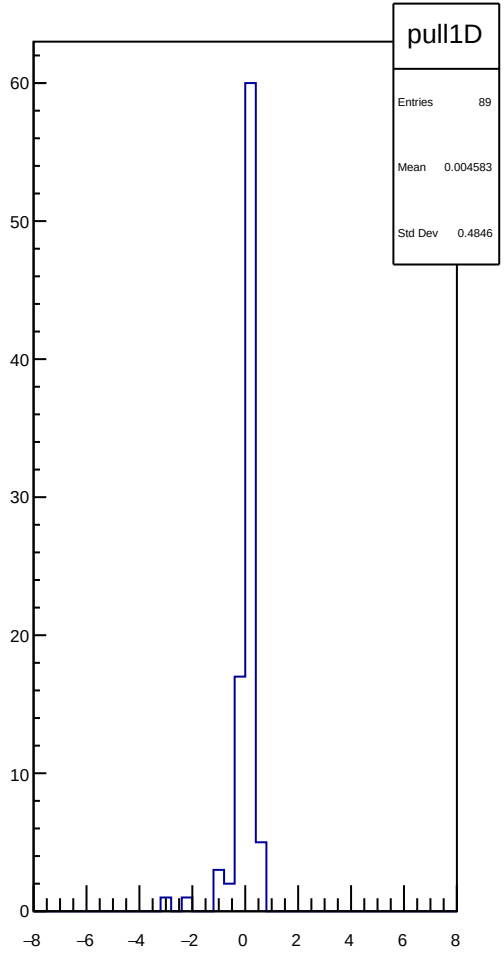

pull1D
Entries 89
Mean 0.0336
Std Dev 0.6403

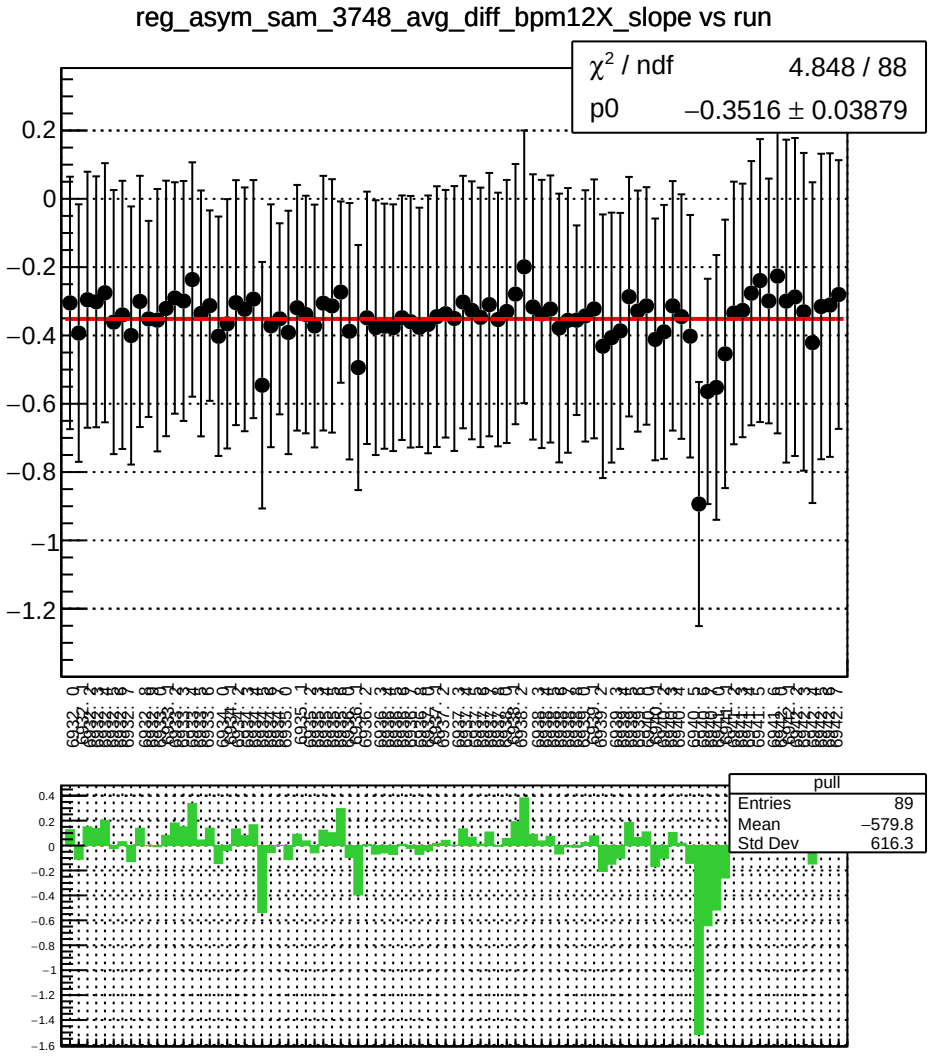

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 21.03 / 88
p0 −0.4922 ± 0.8102
pull
Entries 89
Mean 1689
Std Dev 1644

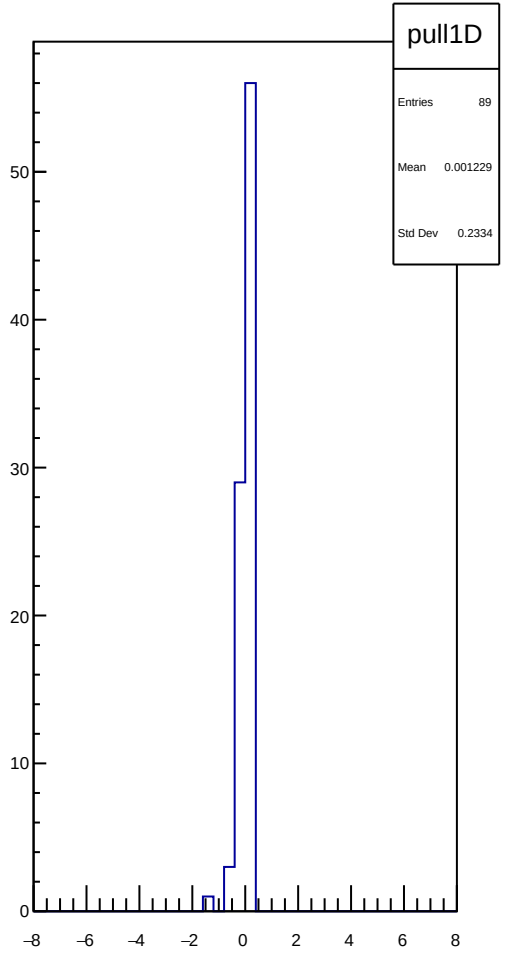

pull1D
Entries 89
Mean 0.002271
Std Dev 0.4861

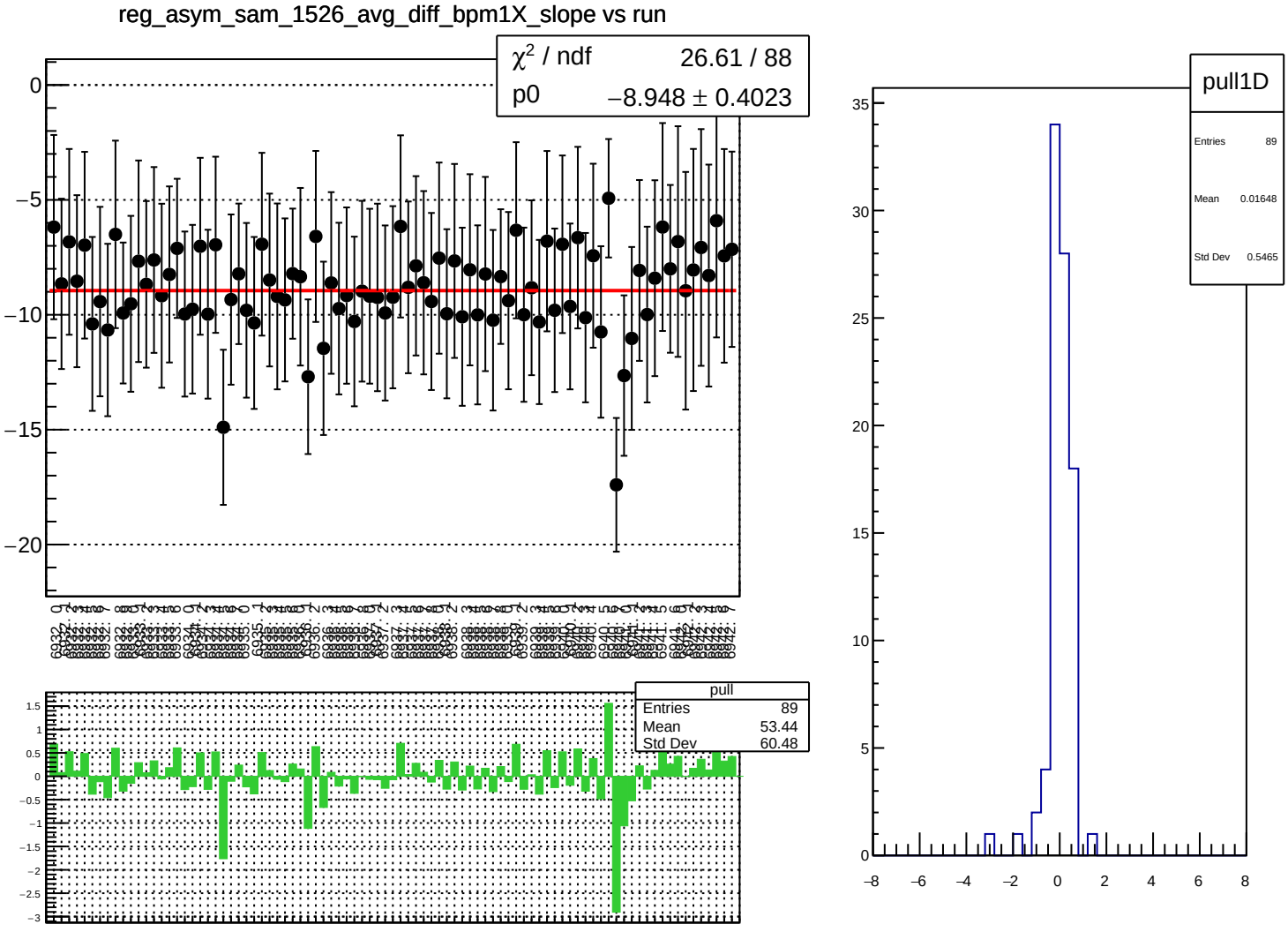

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.9 / 88
p0 −70.88 ± 1.106
pull
Entries 89
Mean −20.49
Std Dev 53.83
pull1D
Entries 89
Mean −0.03148
Std Dev 0.6164

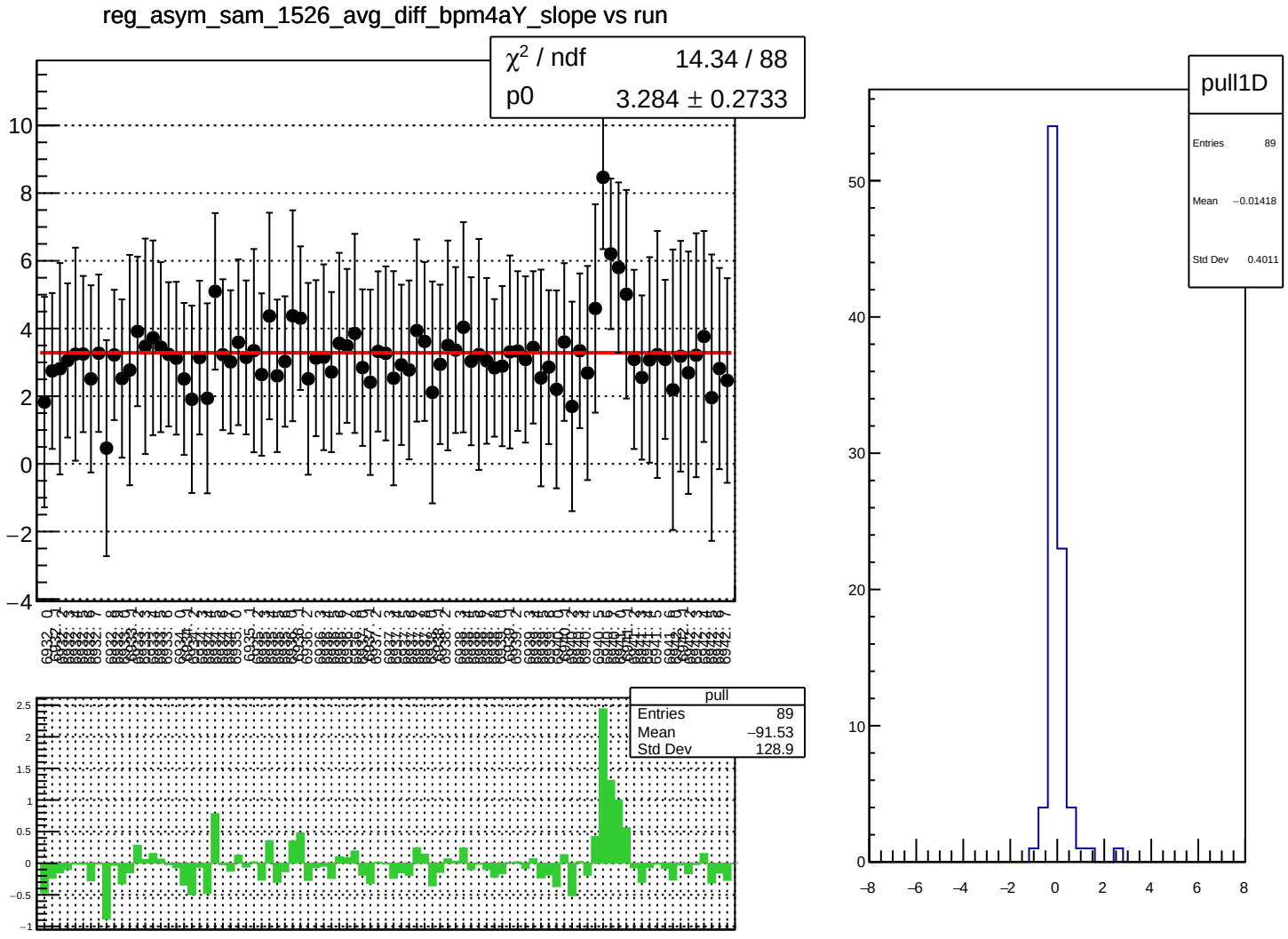

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.91 / 88
p0 60.04 ± 0.9377
pull
Entries 89
Mean −787.9
Std Dev 832.3

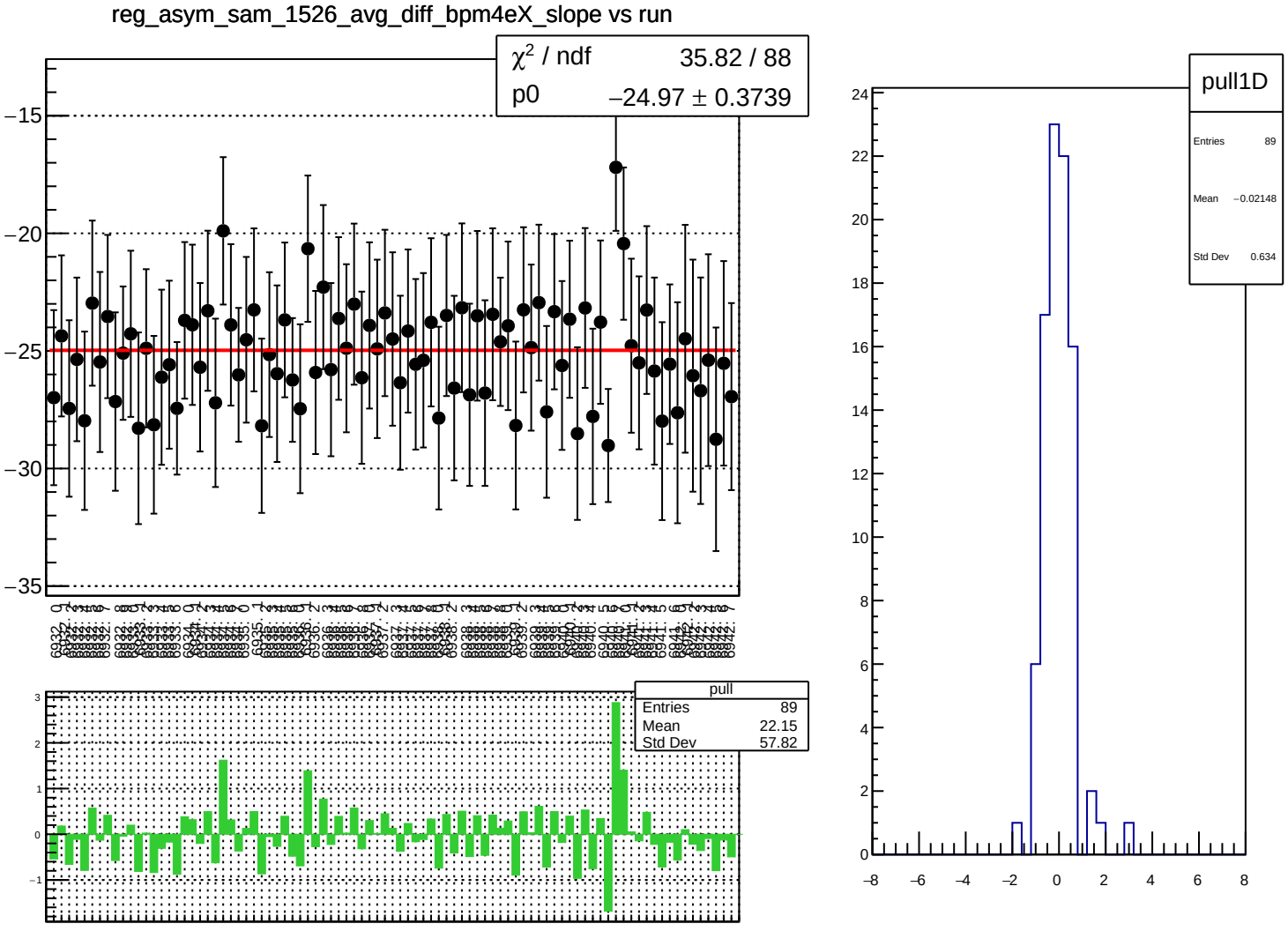

pull1D
Entries 89
Mean 0.004583
Std Dev 0.4846

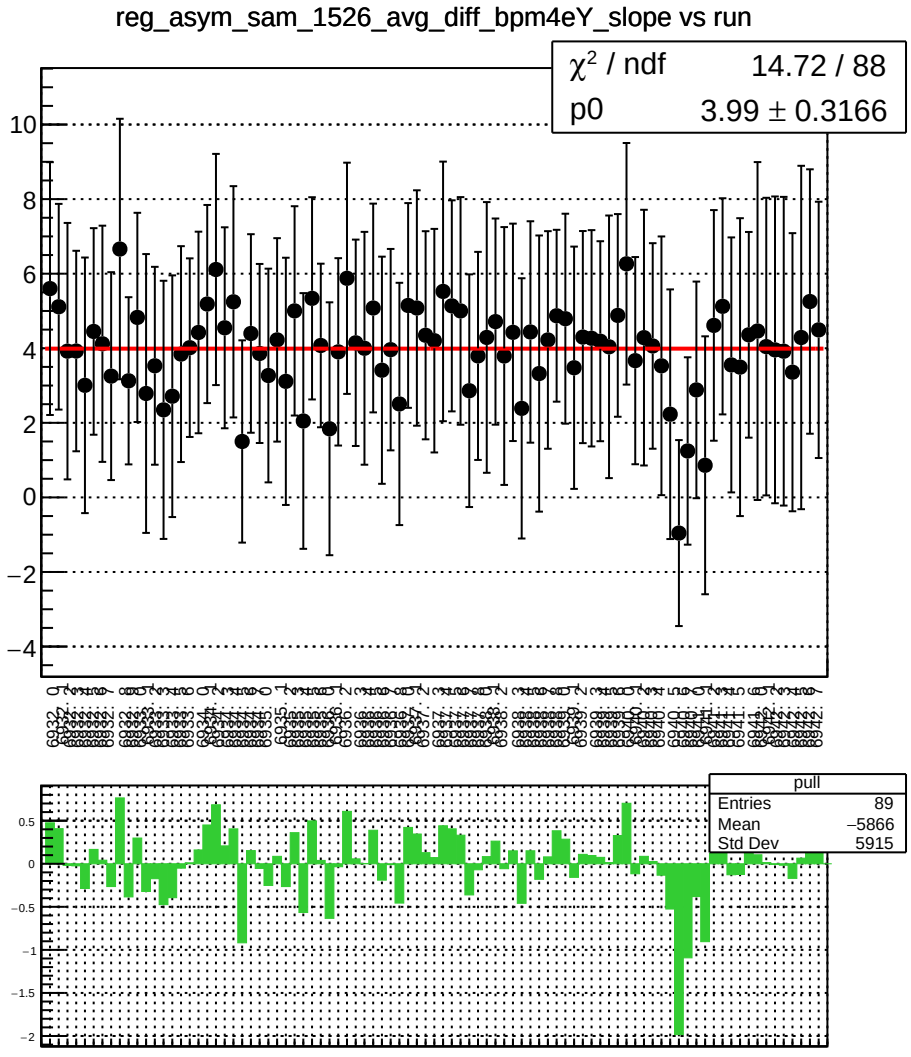

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.848 / 88
p0 −0.3516 ± 0.03879
pull
Entries 89
Mean −579.8
Std Dev 616.3

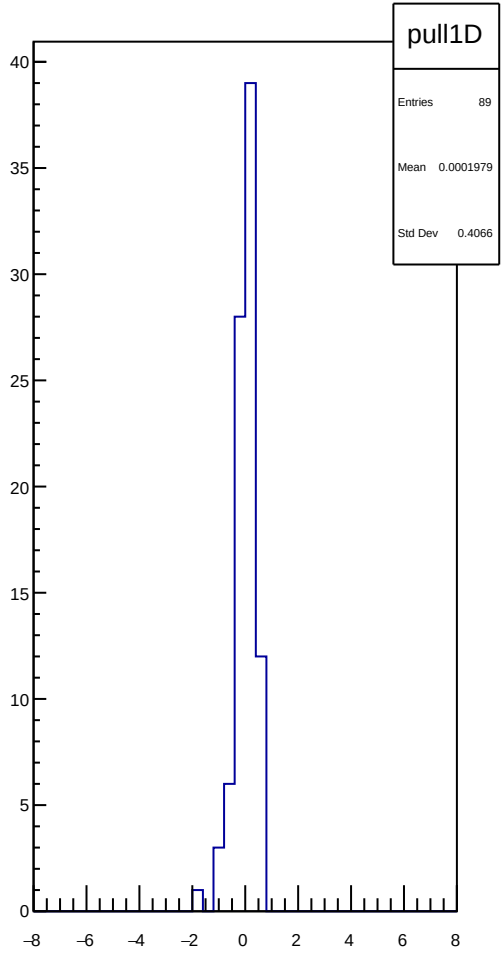

pull1D
Entries 89
Mean 0.001229
Std Dev 0.2334

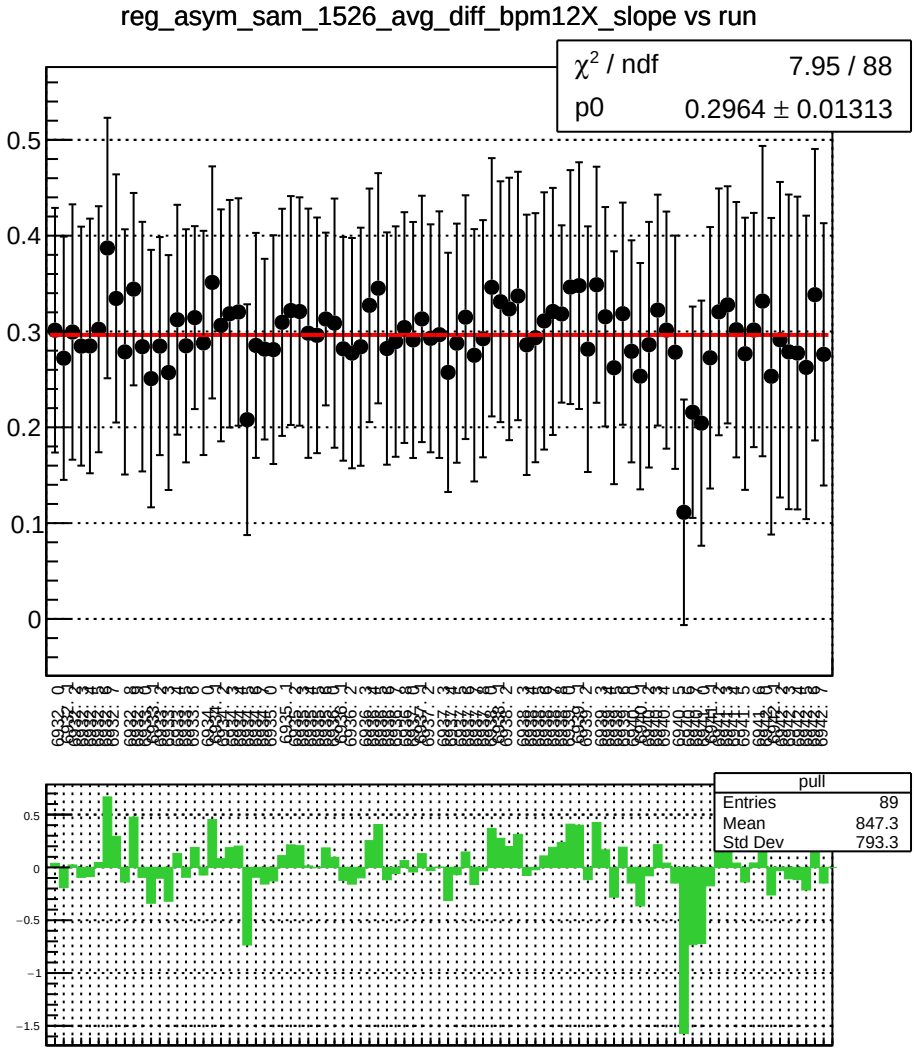

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 26.61 / 88
p0 −8.948 ± 0.4023
pull
Entries 89
Mean 53.44
Std Dev 60.48
pull1D
Entries 89
Mean 0.01648
Std Dev 0.5465

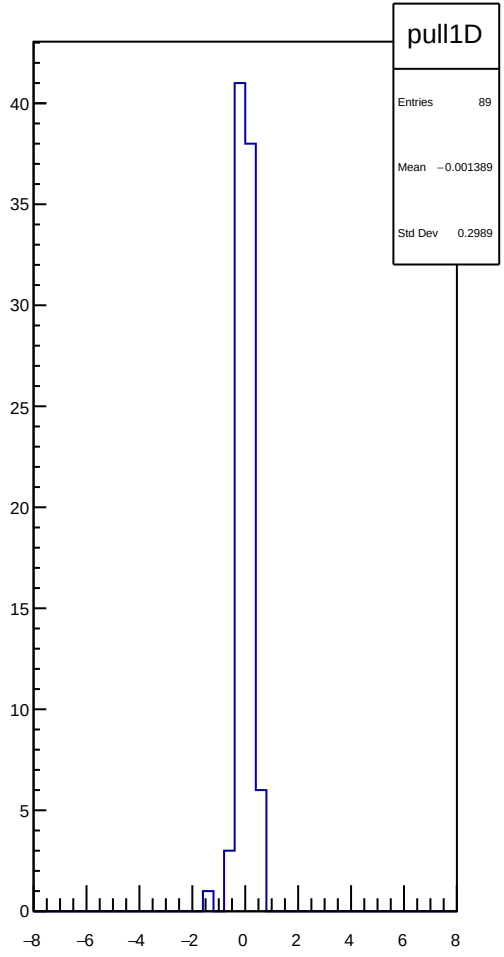

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.34 / 88
p0 3.284 ± 0.2733
pull
Entries 89
Mean −91.53
Std Dev 128.9
pull1D
Entries 89
Mean −0.01418
Std Dev 0.4011

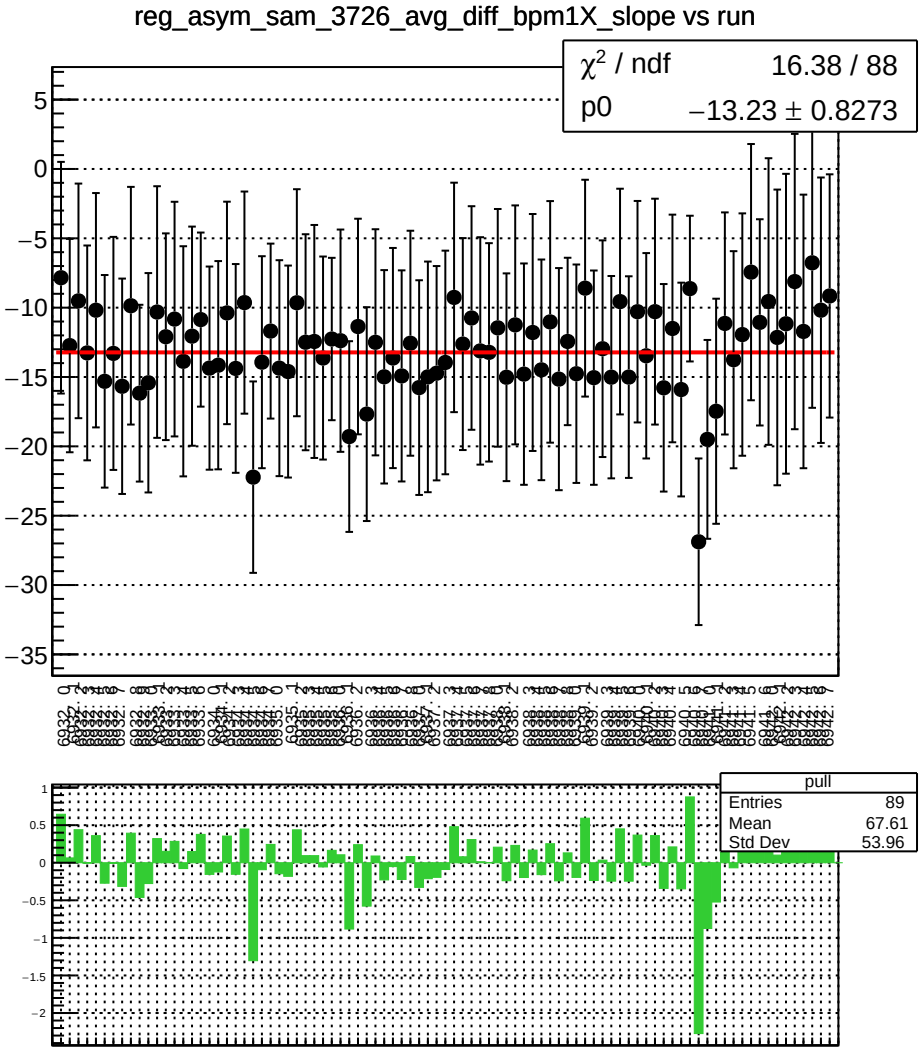

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.82 / 88
p0 −24.97 ± 0.3739
pull
Entries 89
Mean 22.15
Std Dev 57.82
pull1D
Entries 89
Mean −0.02148
Std Dev 0.634

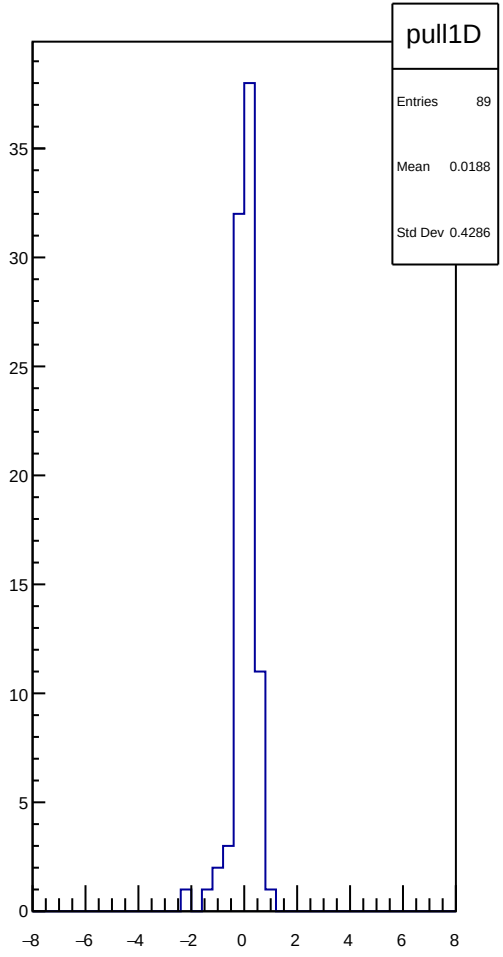

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.72 / 88
p0 3.99 ± 0.3166
pull
Entries 89
Mean −5866
Std Dev 5915

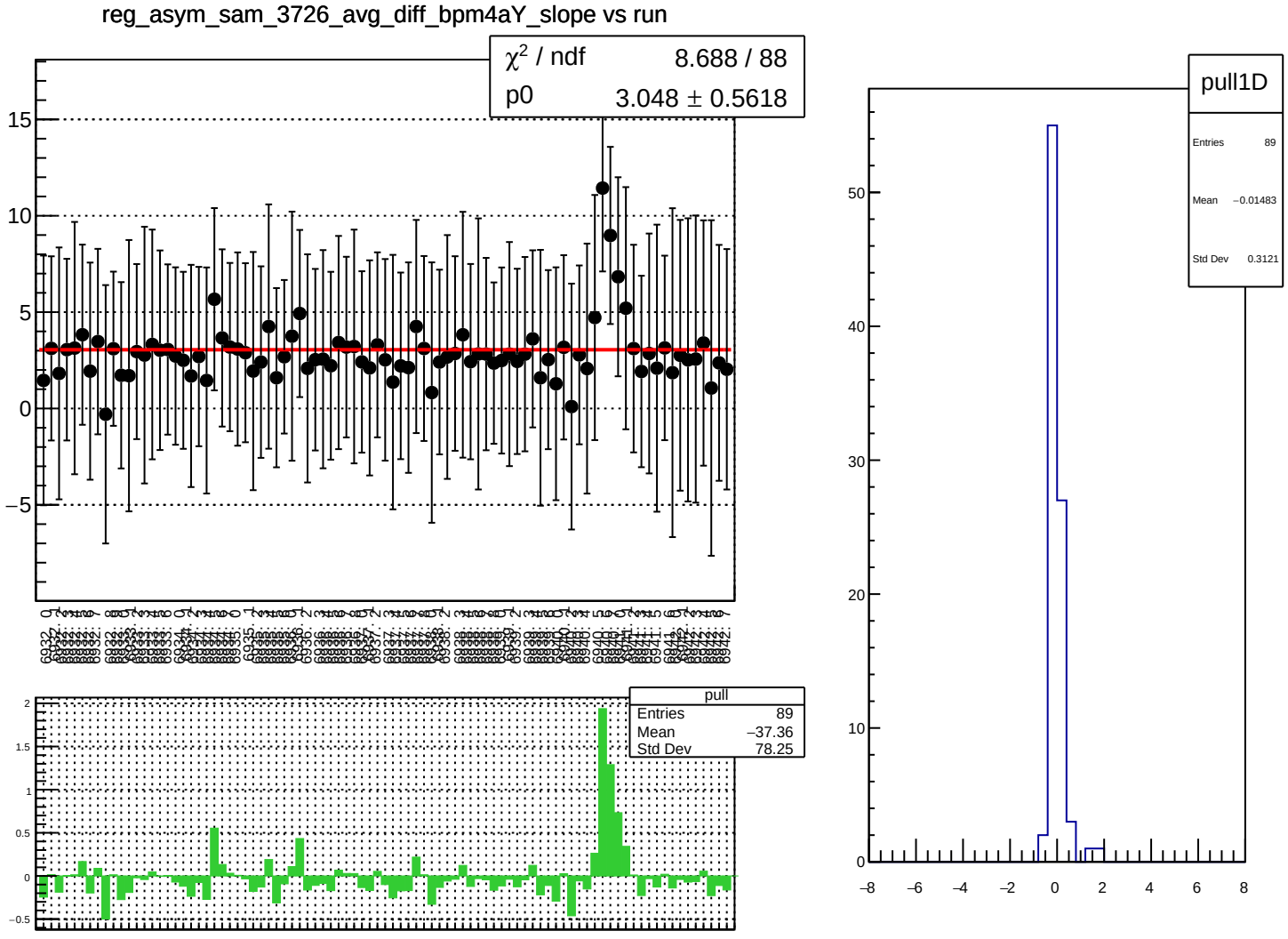

pull1D
Entries 89
Mean 0.0001979
Std Dev 0.4066

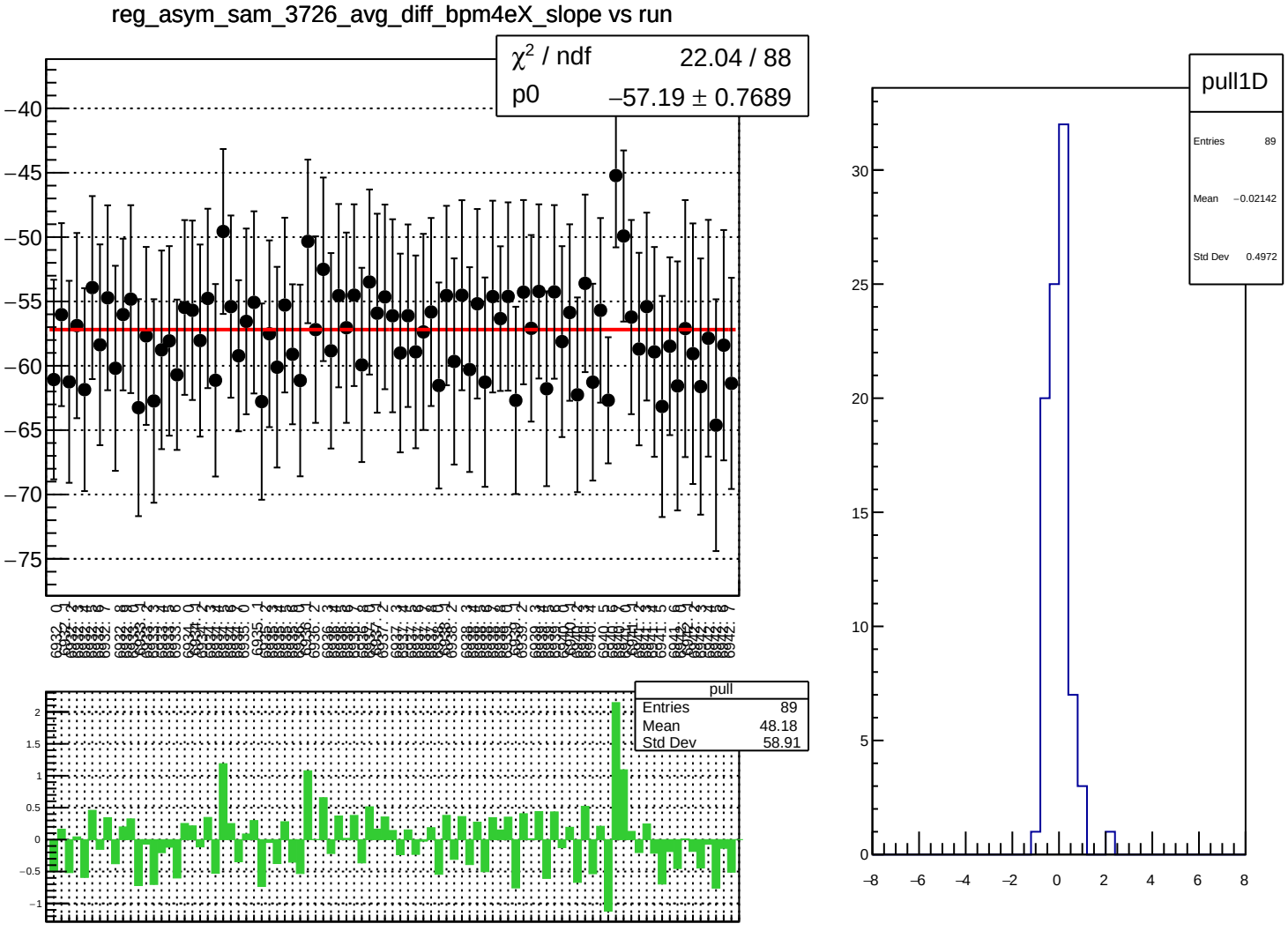

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.95 / 88
p0 0.2964 ± 0.01313
pull
Entries 89
Mean 847.3
Std Dev 793.3

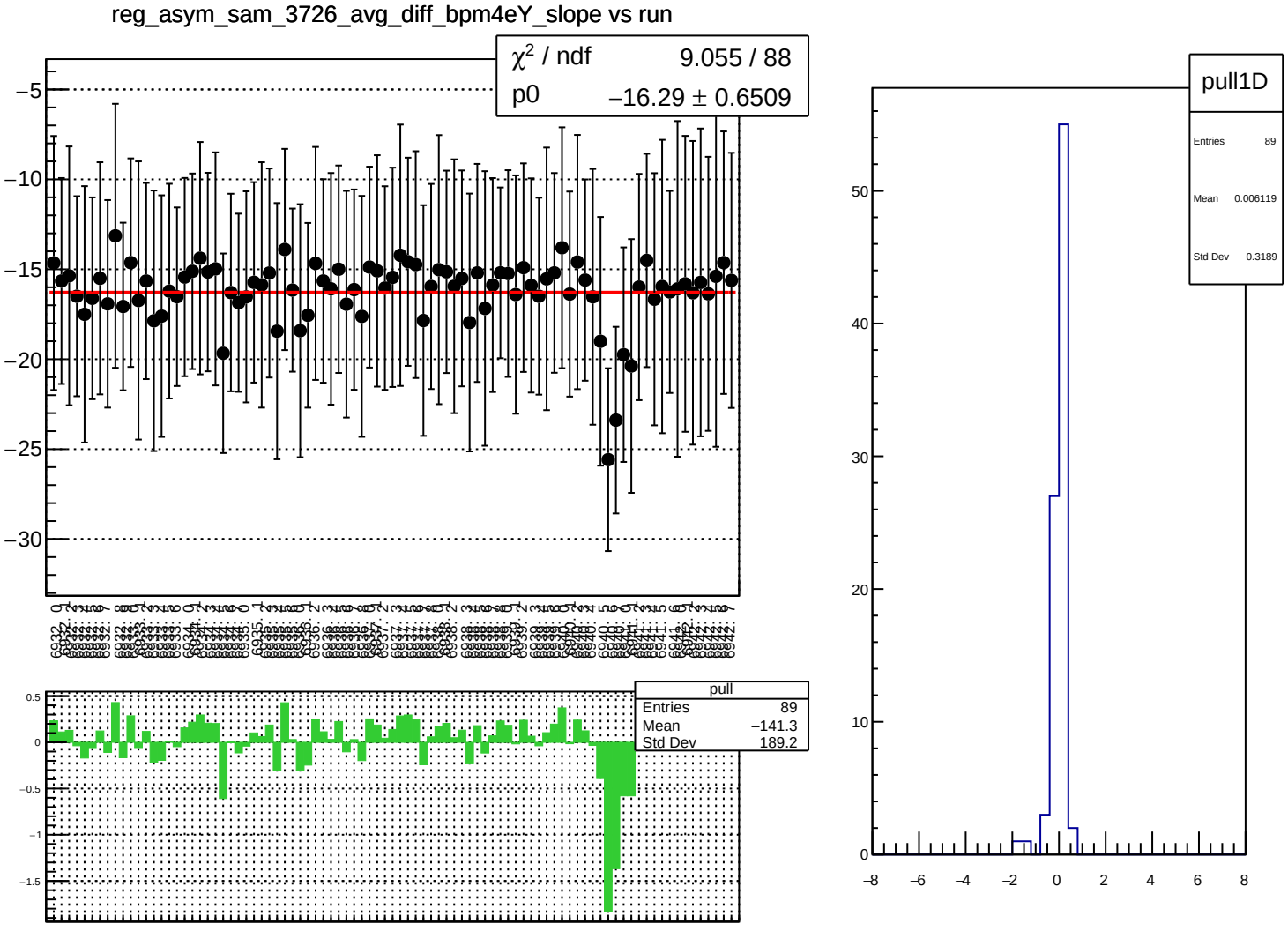

pull1D
Entries 89
Mean −0.001389
Std Dev 0.2989

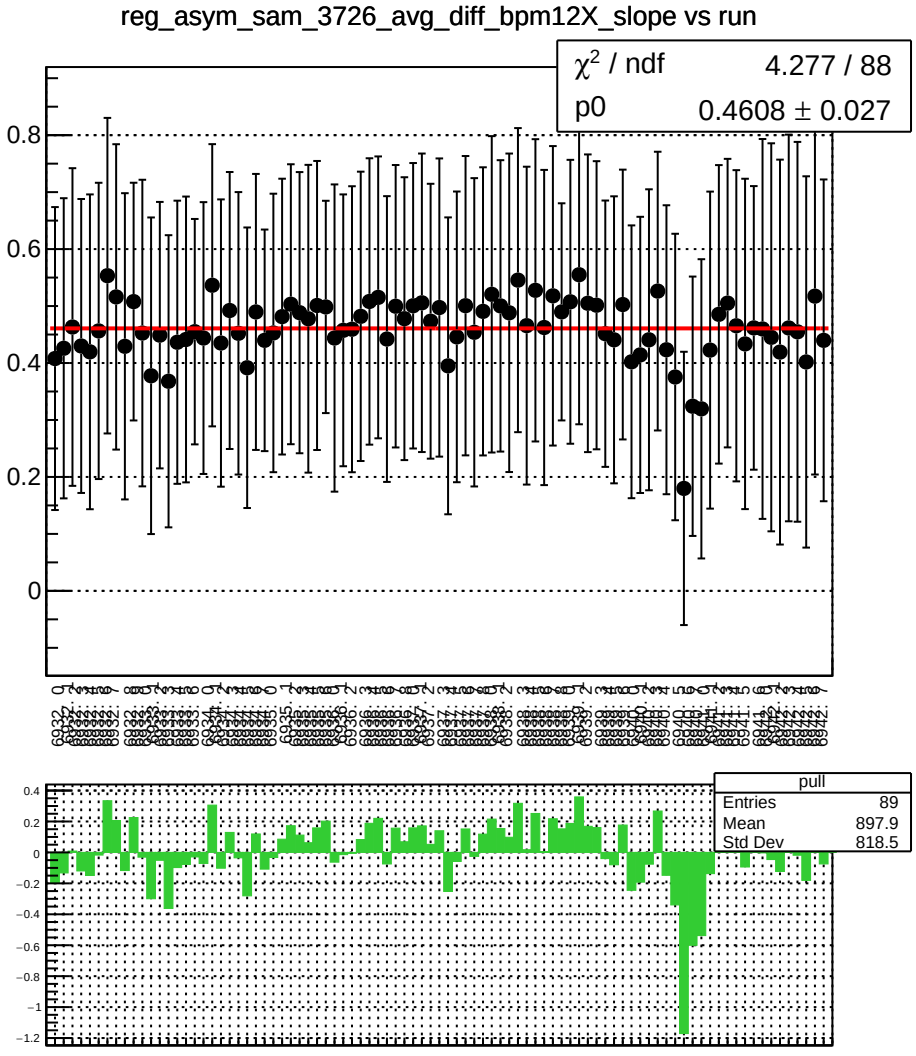

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 16.38 / 88
p0 −13.23 ± 0.8273
pull
Entries 89
Mean 67.61
Std Dev 53.96

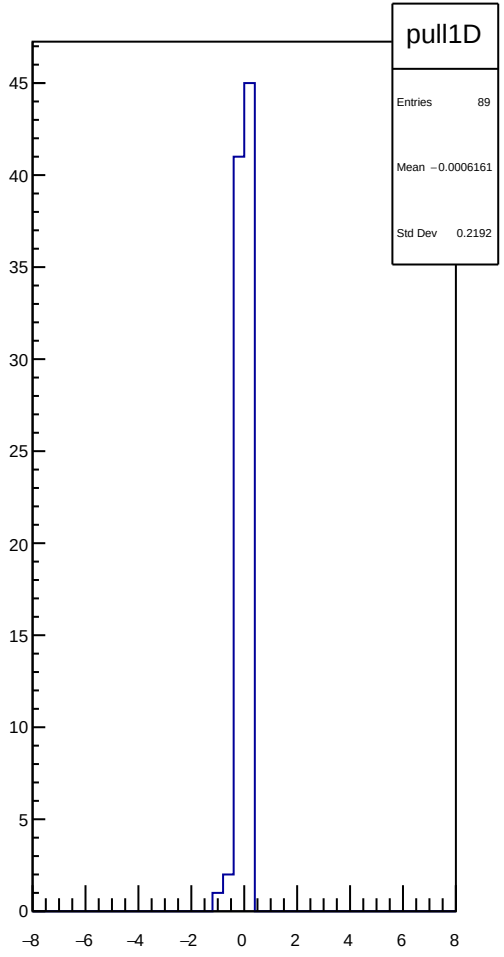

pull1D
Entries 89
Mean 0.0188
Std Dev 0.4286

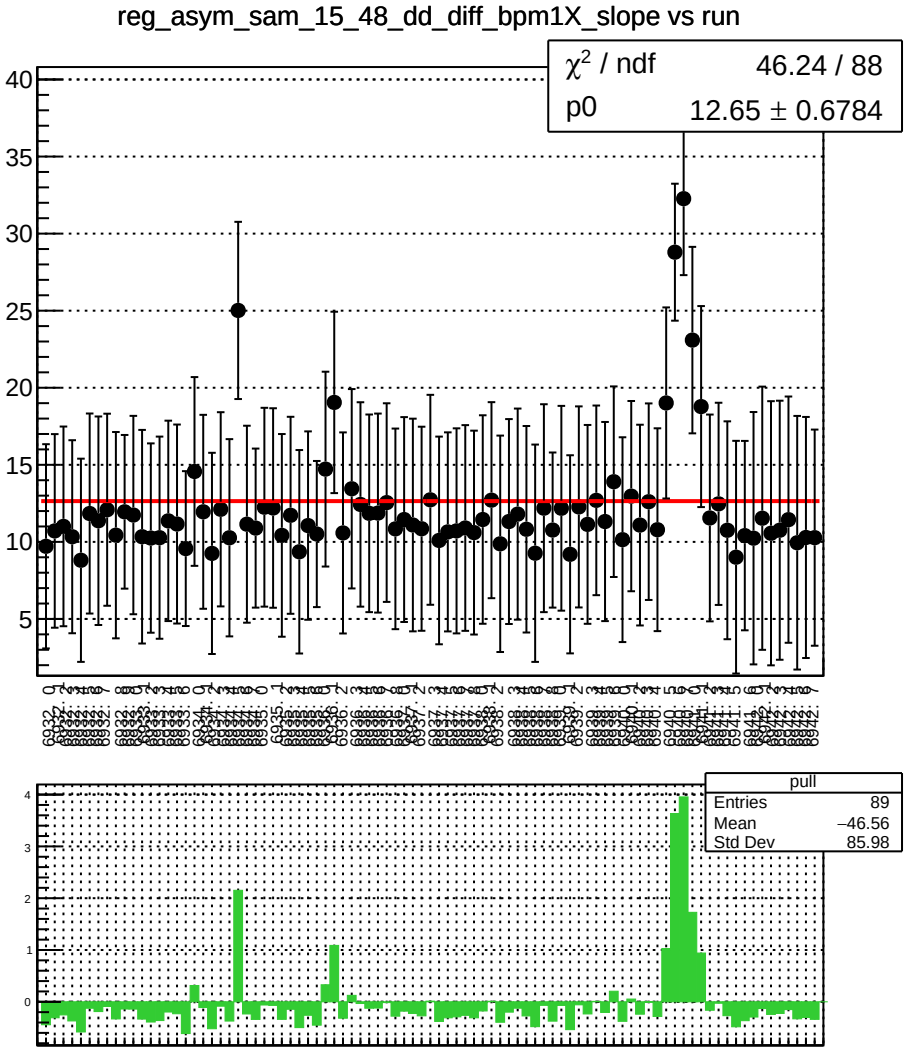

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.688 / 88
p0 3.048 ± 0.5618
pull
Entries 89
Mean −37.36
Std Dev 78.25
pull1D
Entries 89
Mean −0.01483
Std Dev 0.3121

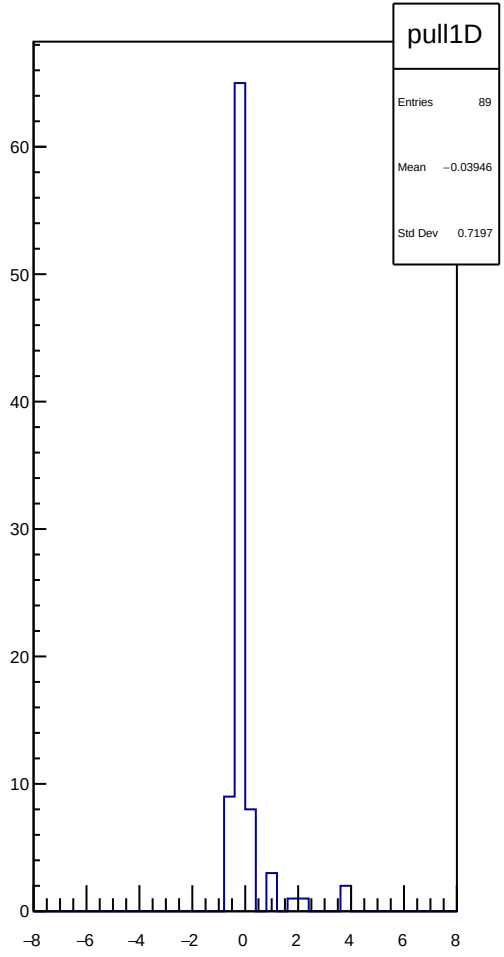

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.04 / 88
p0 −57.19 ± 0.7689
pull
Entries 89
Mean 48.18
Std Dev 58.91
pull1D
Entries 89
Mean −0.02142
Std Dev 0.4972

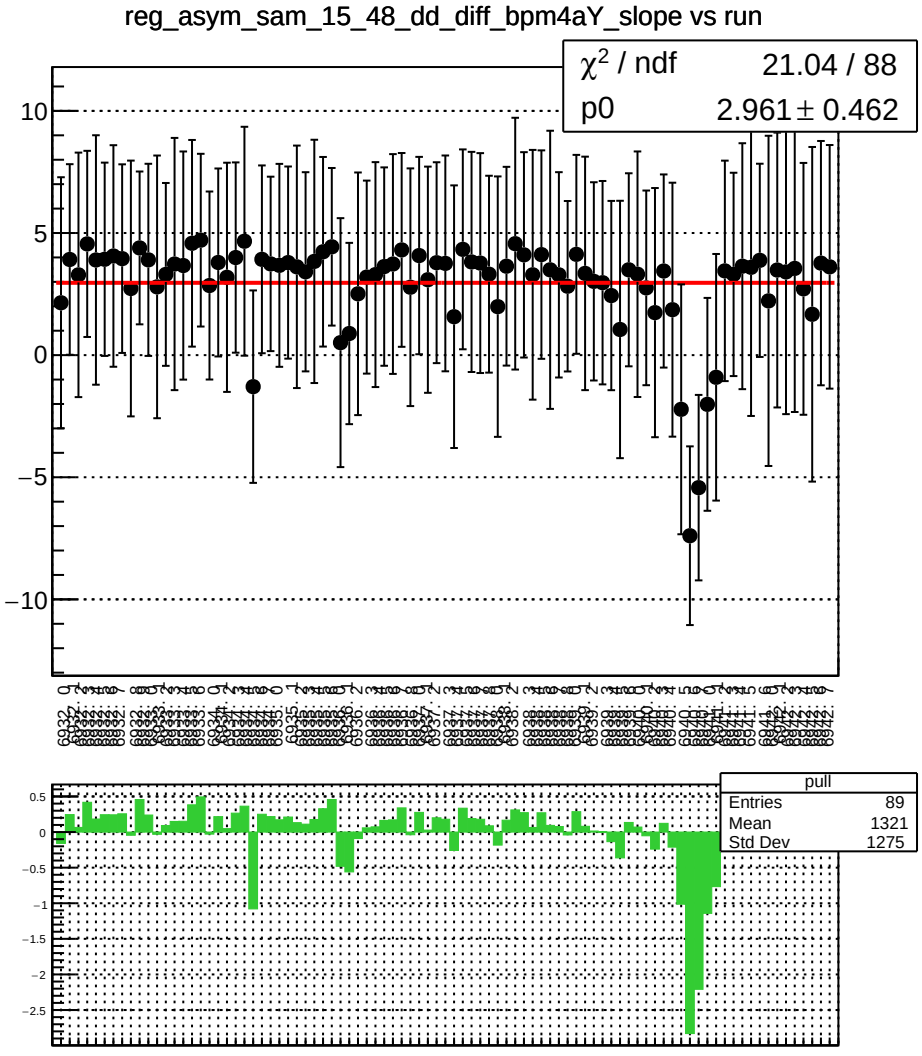

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.055 / 88
p0 −16.29 ± 0.6509
pull
Entries 89
Mean −141.3
Std Dev 189.2
pull1D
Entries 89
Mean 0.006119
Std Dev 0.3189

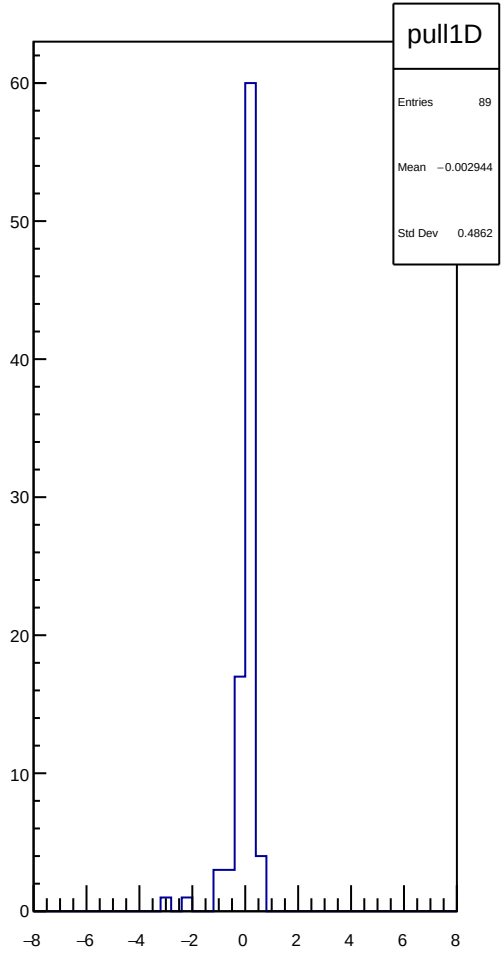

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 4.277 / 88
p0 0.4608 ± 0.027
pull
Entries 89
Mean 897.9
Std Dev 818.5

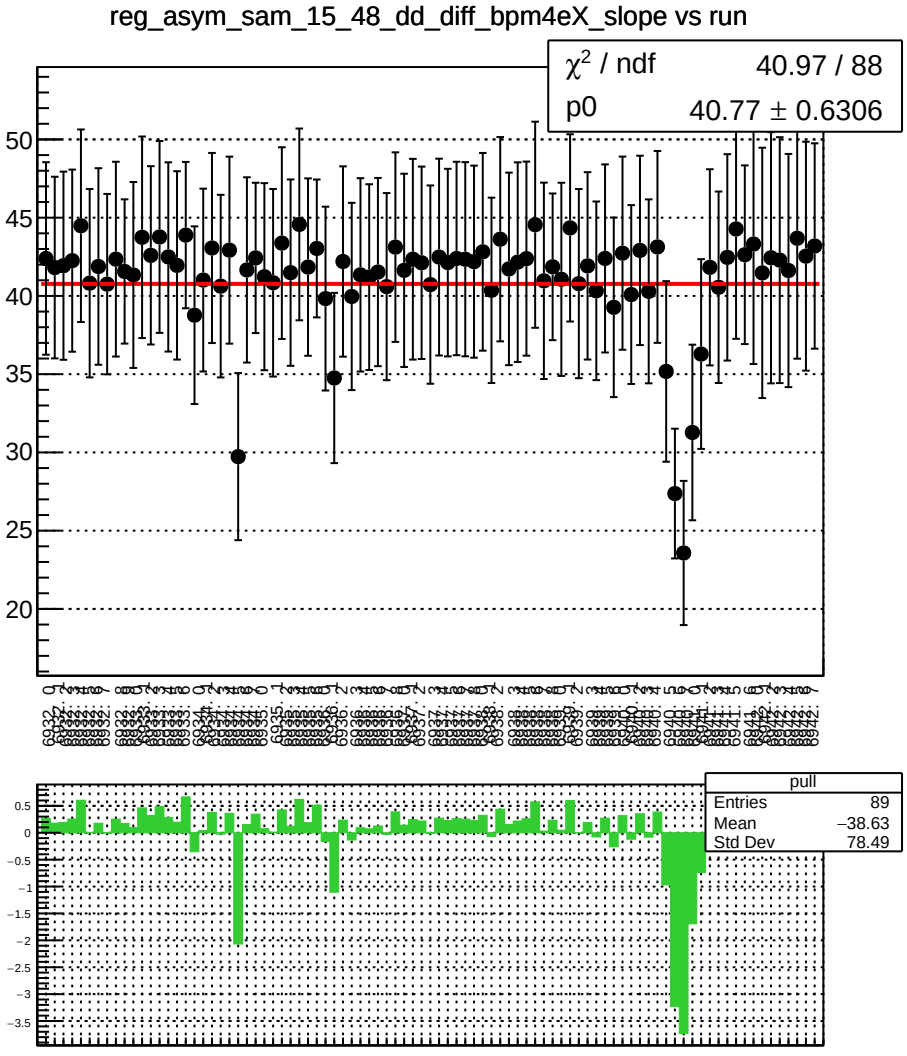

pull1D
Entries 89
Mean −0.0006161
Std Dev 0.2192

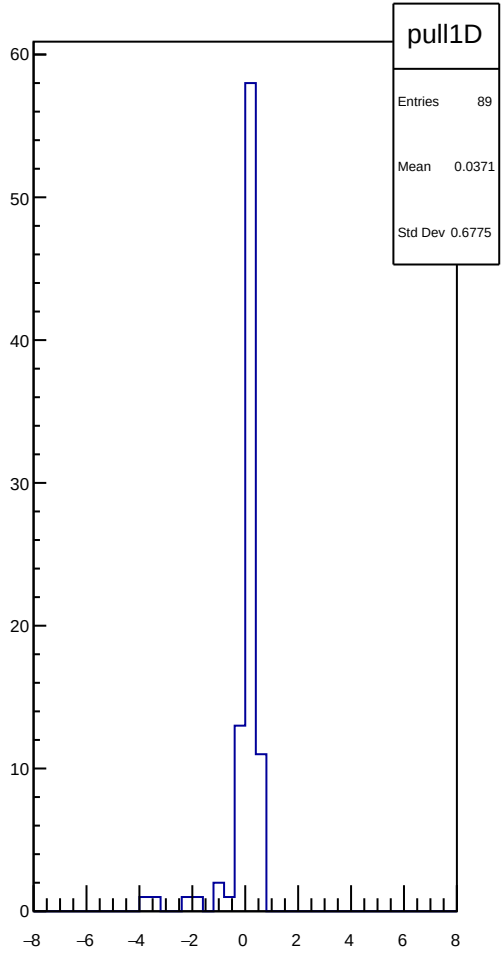

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 46.24 / 88
p0 12.65 ± 0.6784
pull
Entries 89
Mean −46.56
Std Dev 85.98

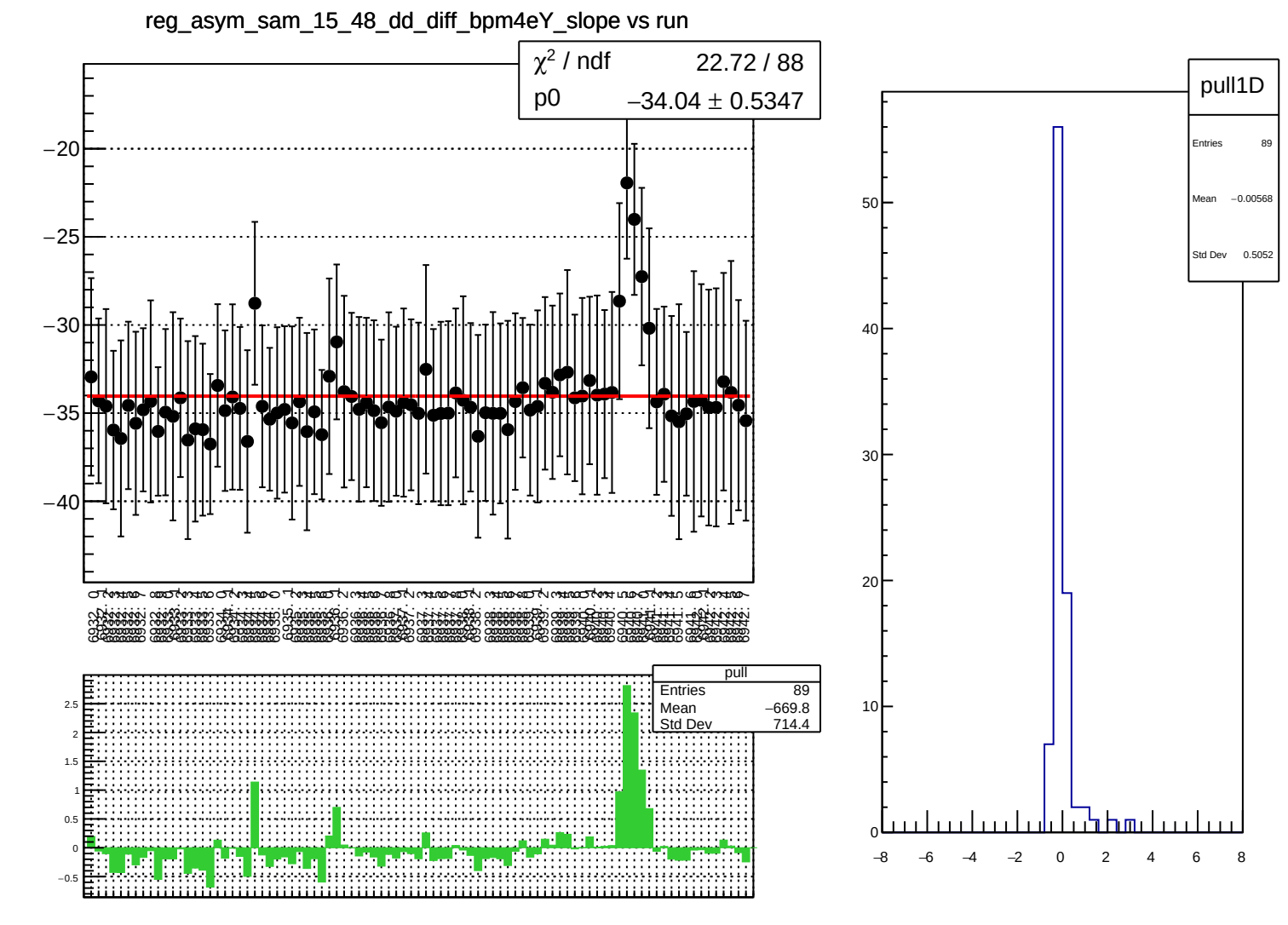

pull1D
Entries 89
Mean −0.03946
Std Dev 0.7197

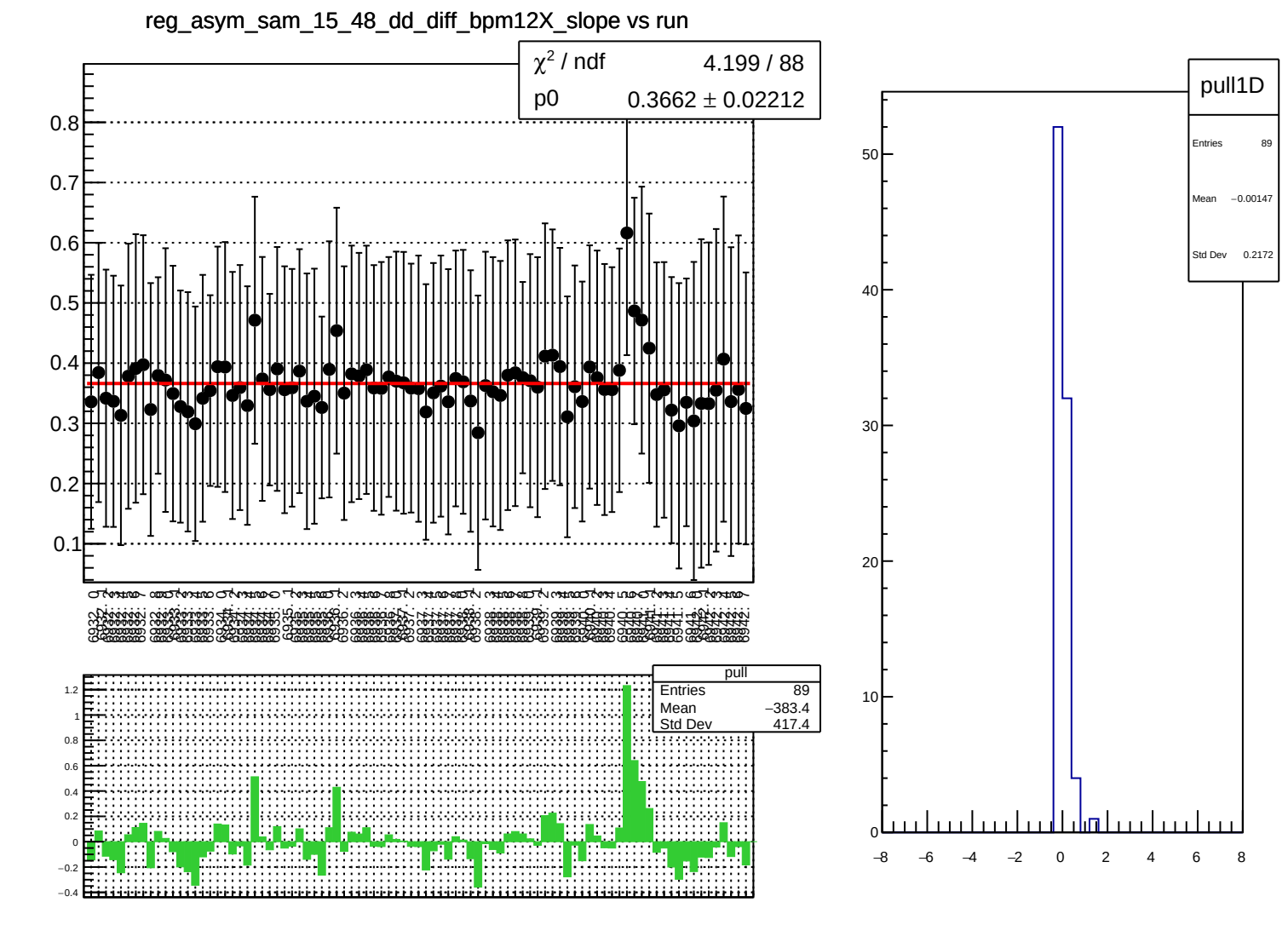

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.04 / 88
p0 2.961 ± 0.462
pull
Entries 89
Mean 1321
Std Dev 1275

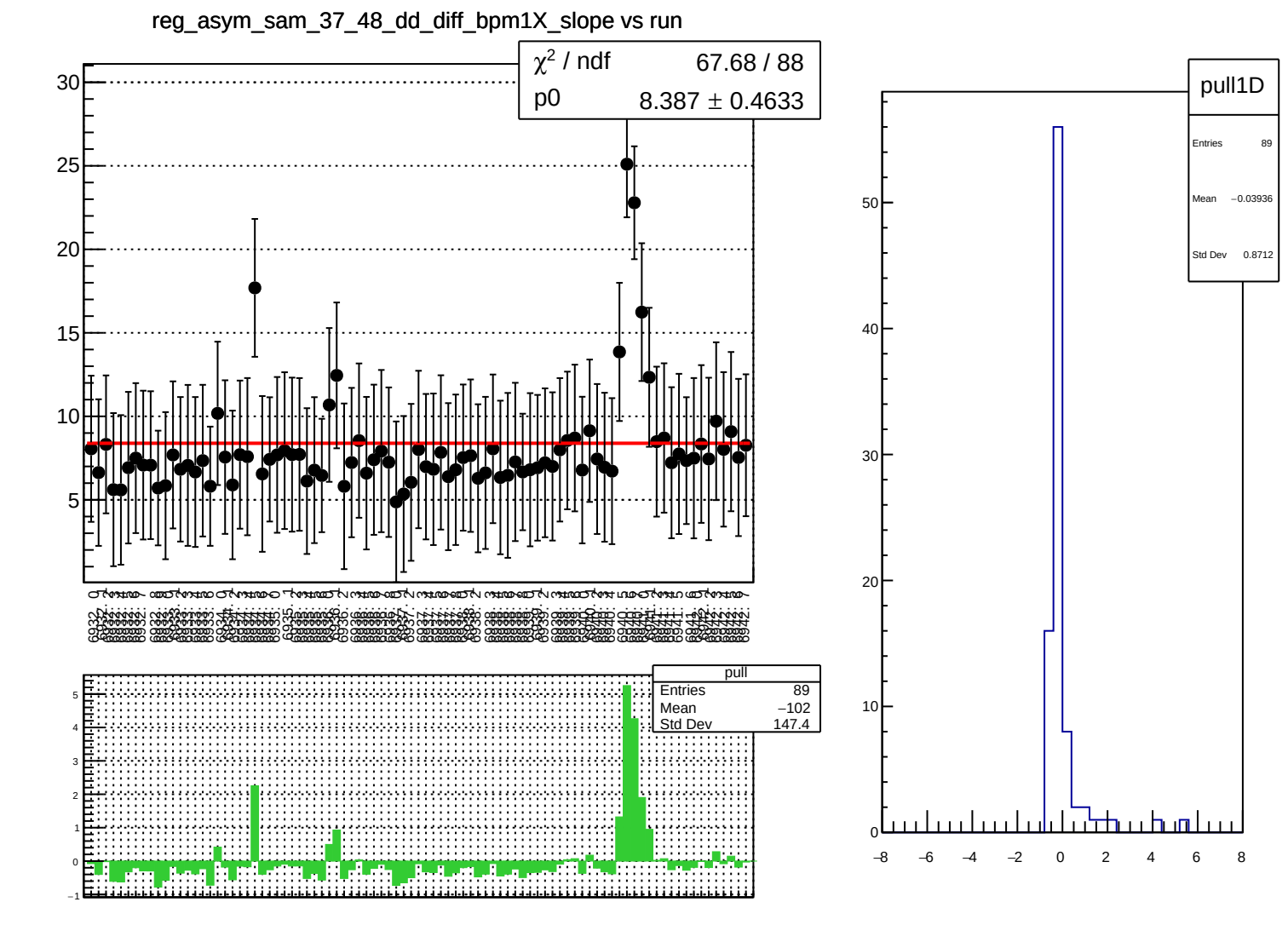

pull1D
Entries 89
Mean −0.002944
Std Dev 0.4862

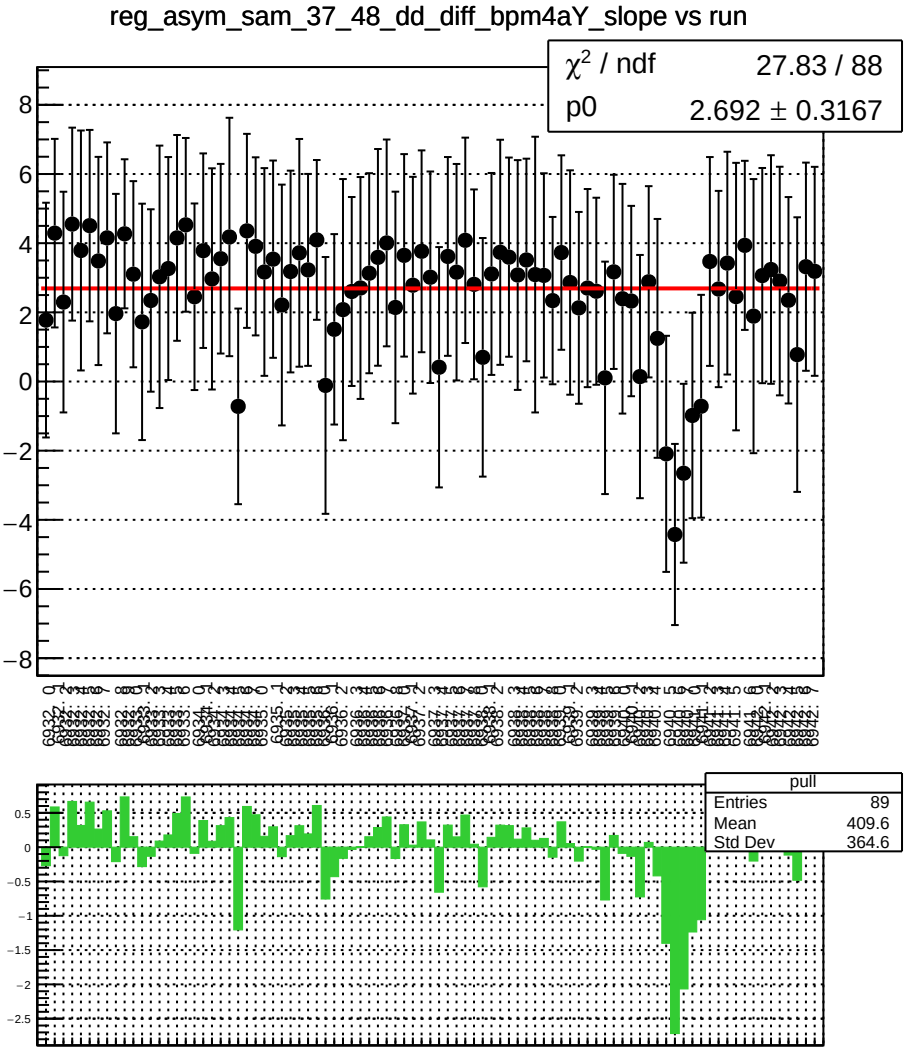

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.97 / 88
p0 40.77 ± 0.6306
pull
Entries 89
Mean −38.63
Std Dev 78.49

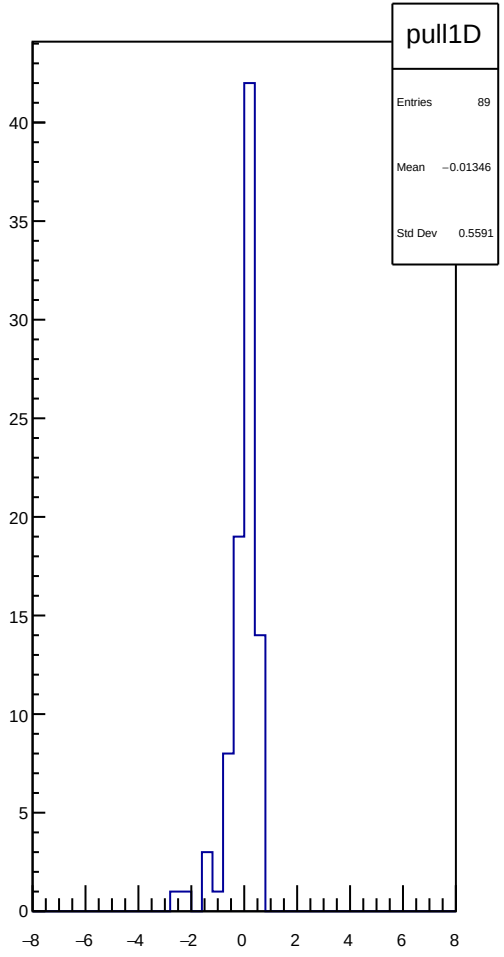

pull1D
Entries 89
Mean 0.0371
Std Dev 0.6775

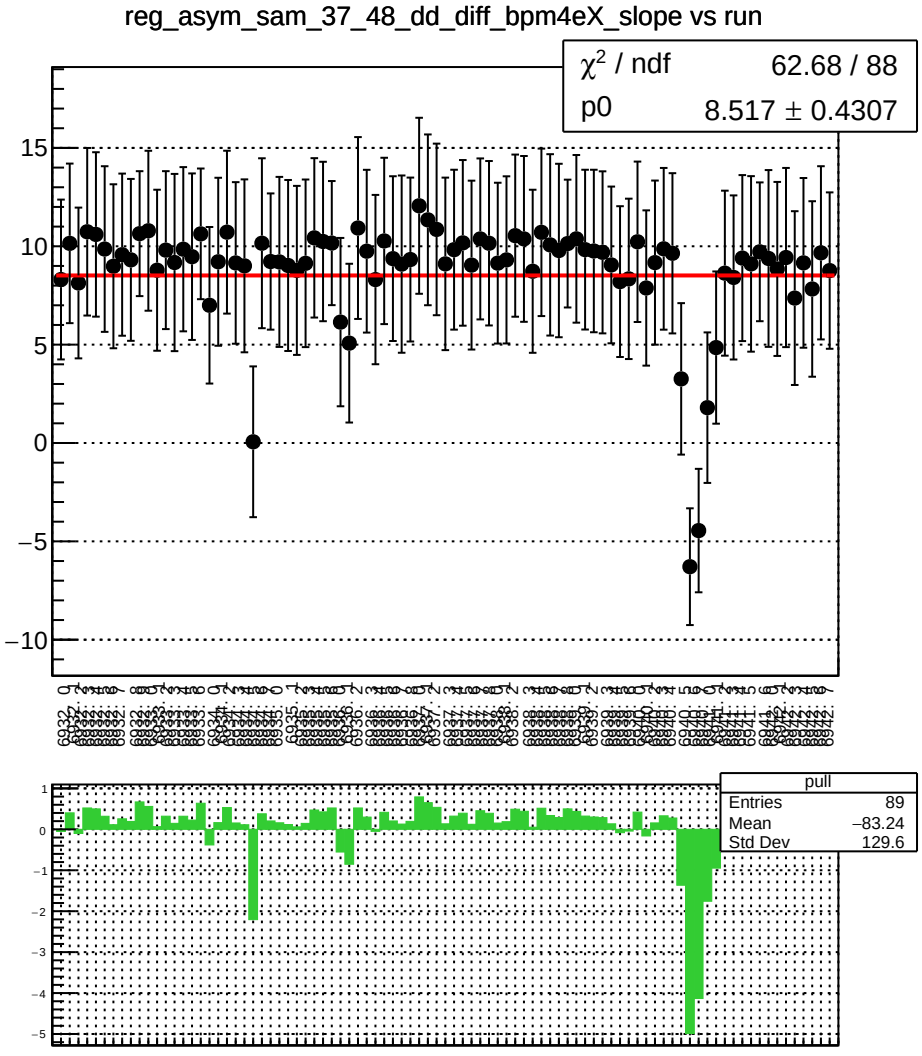

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.72 / 88
p0 −34.04 ± 0.5347
pull
Entries 89
Mean −669.8
Std Dev 714.4
pull1D
Entries 89
Mean −0.00568
Std Dev 0.5052

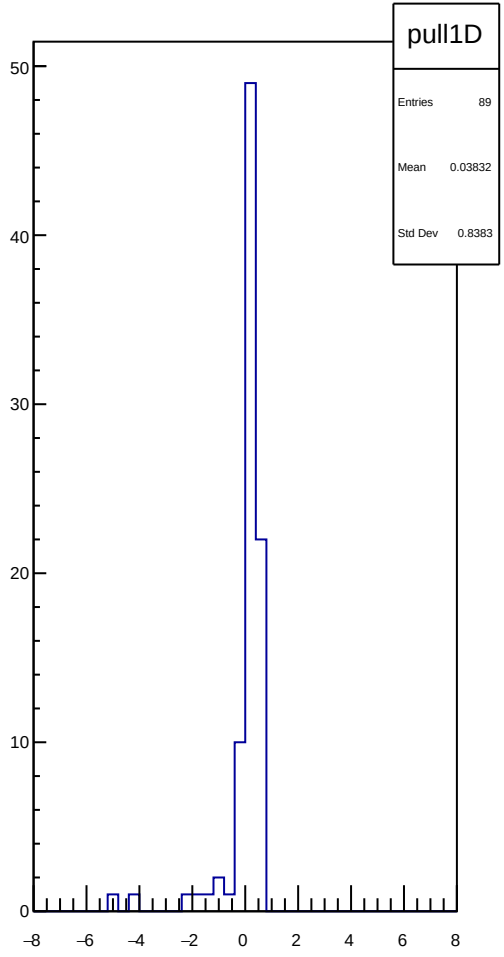

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.199 / 88
p0 0.3662 ± 0.02212
pull
Entries 89
Mean −383.4
Std Dev 417.4
pull1D
Entries 89
Mean −0.00147
Std Dev 0.2172

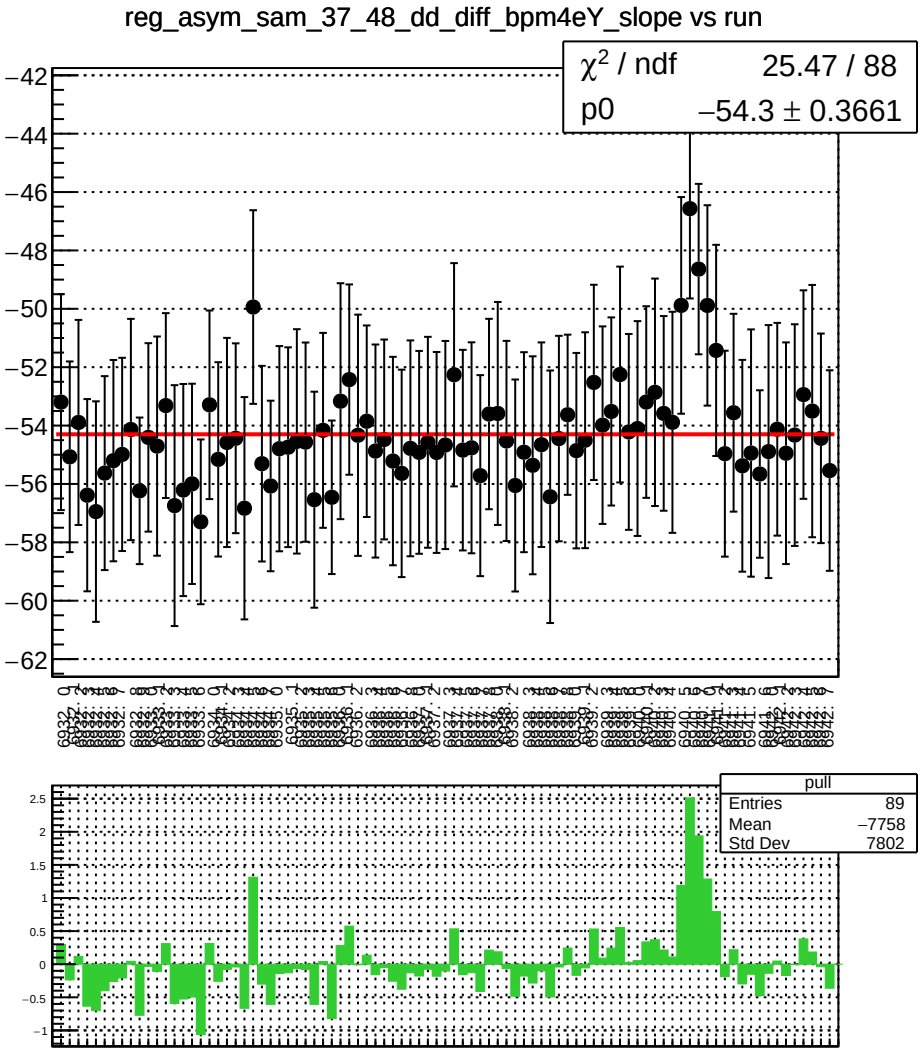

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 67.68 / 88
p0 8.387 ± 0.4633
pull
Entries 89
Mean −102
Std Dev 147.4
pull1D
Entries 89
Mean −0.03936
Std Dev 0.8712

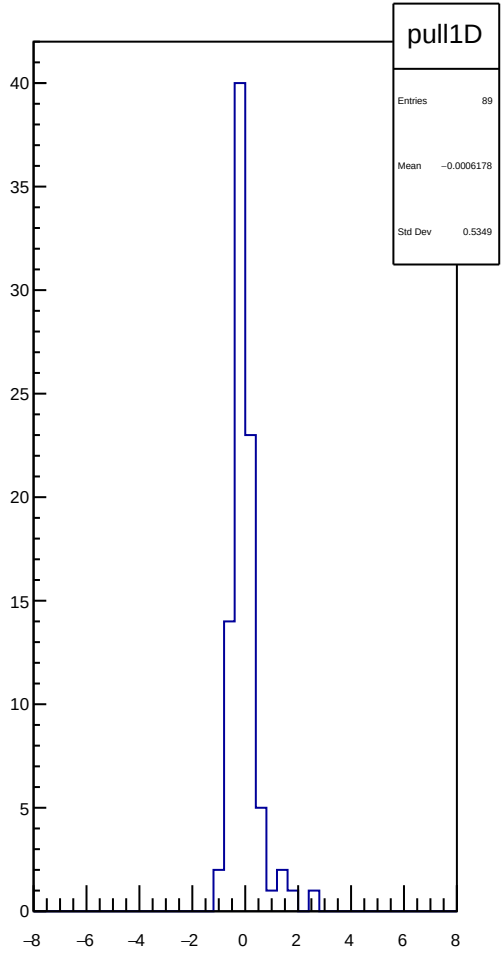

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 27.83 / 88
p0 2.692 ± 0.3167
pull
Entries 89
Mean 409.6
Std Dev 364.6

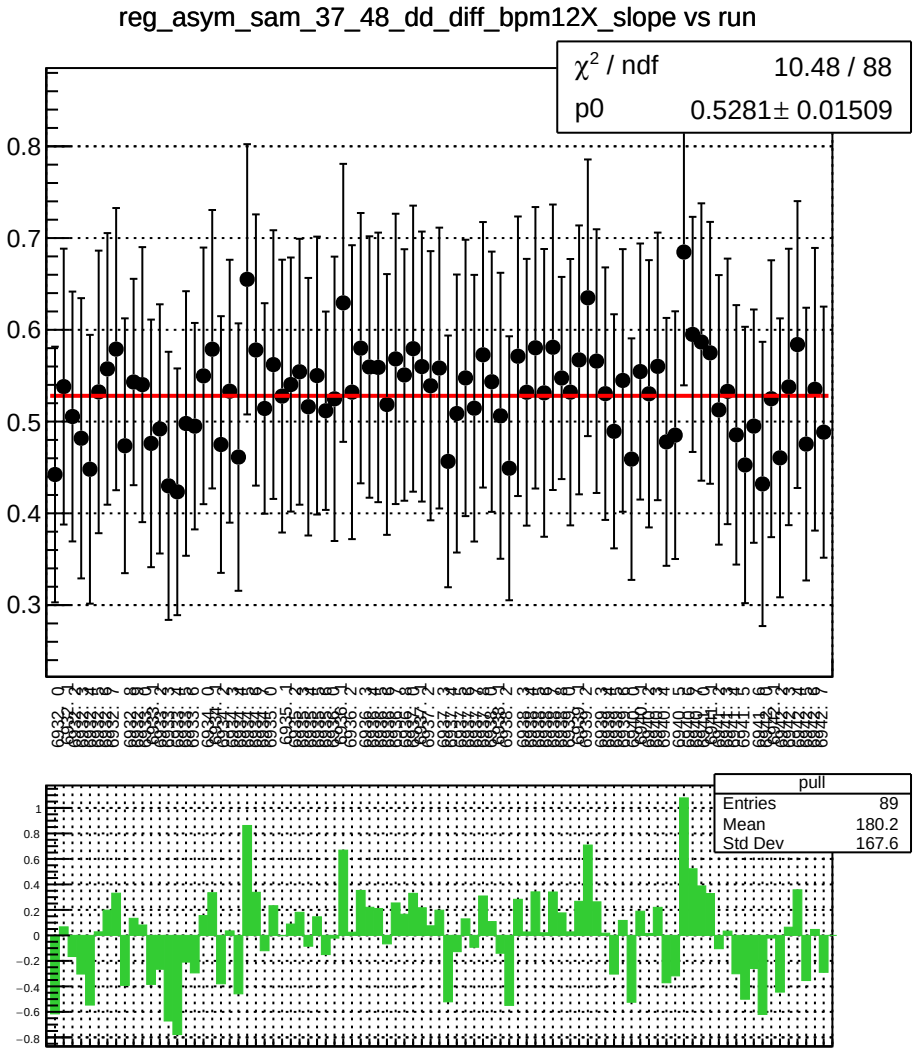

pull1D
Entries 89
Mean −0.01346
Std Dev 0.5591

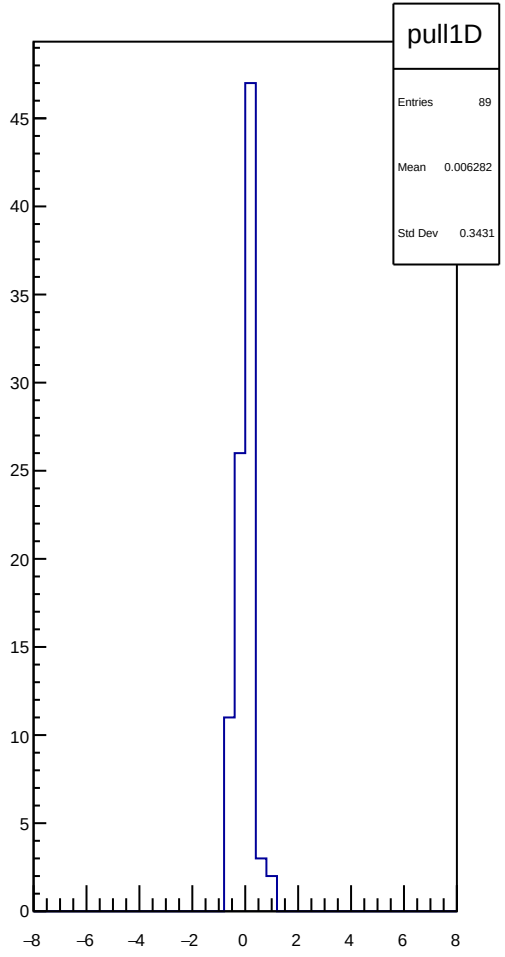

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.68 / 88
p0 8.517 ± 0.4307
pull
Entries 89
Mean −83.24
Std Dev 129.6

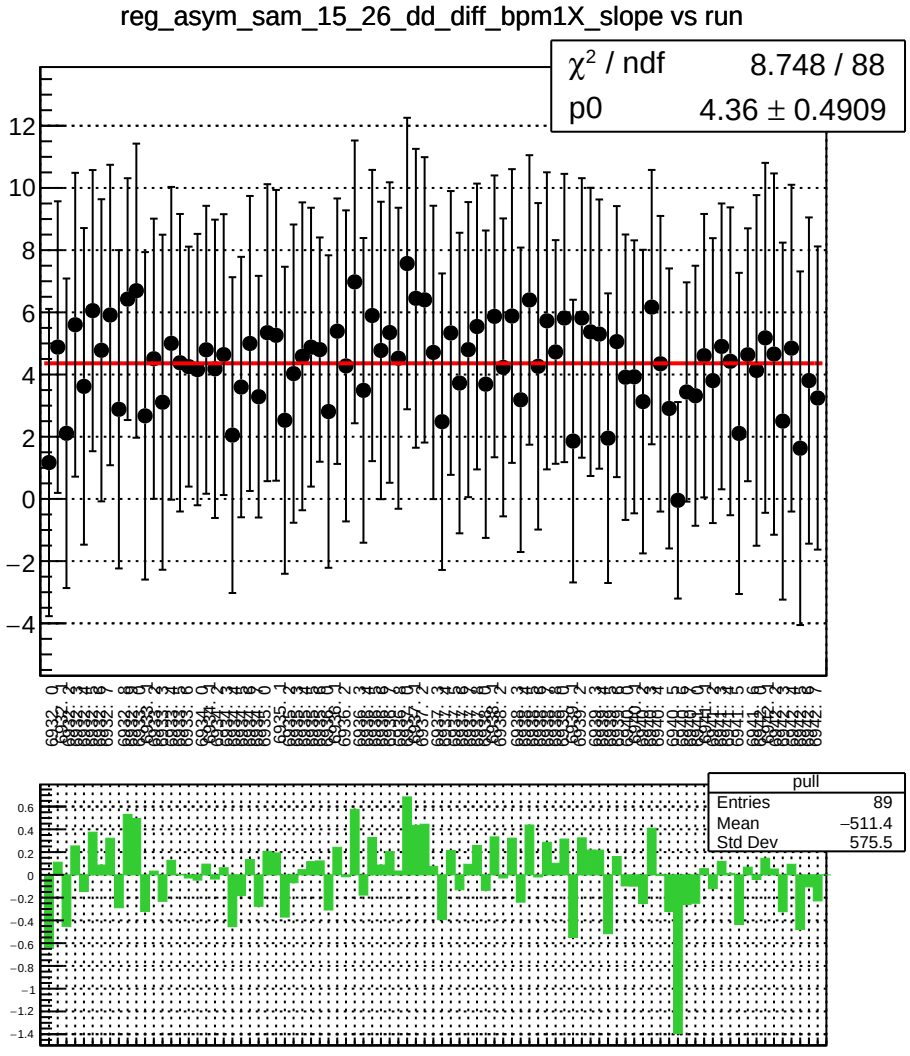

pull1D
Entries 89
Mean 0.03832
Std Dev 0.8383

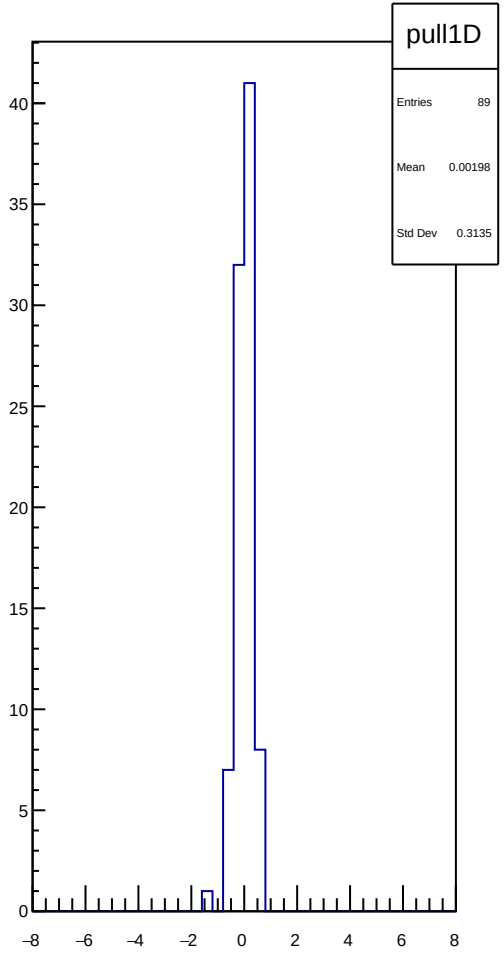

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.47 / 88
p0 −54.3 ± 0.3661
pull
Entries 89
Mean −7758
Std Dev 7802

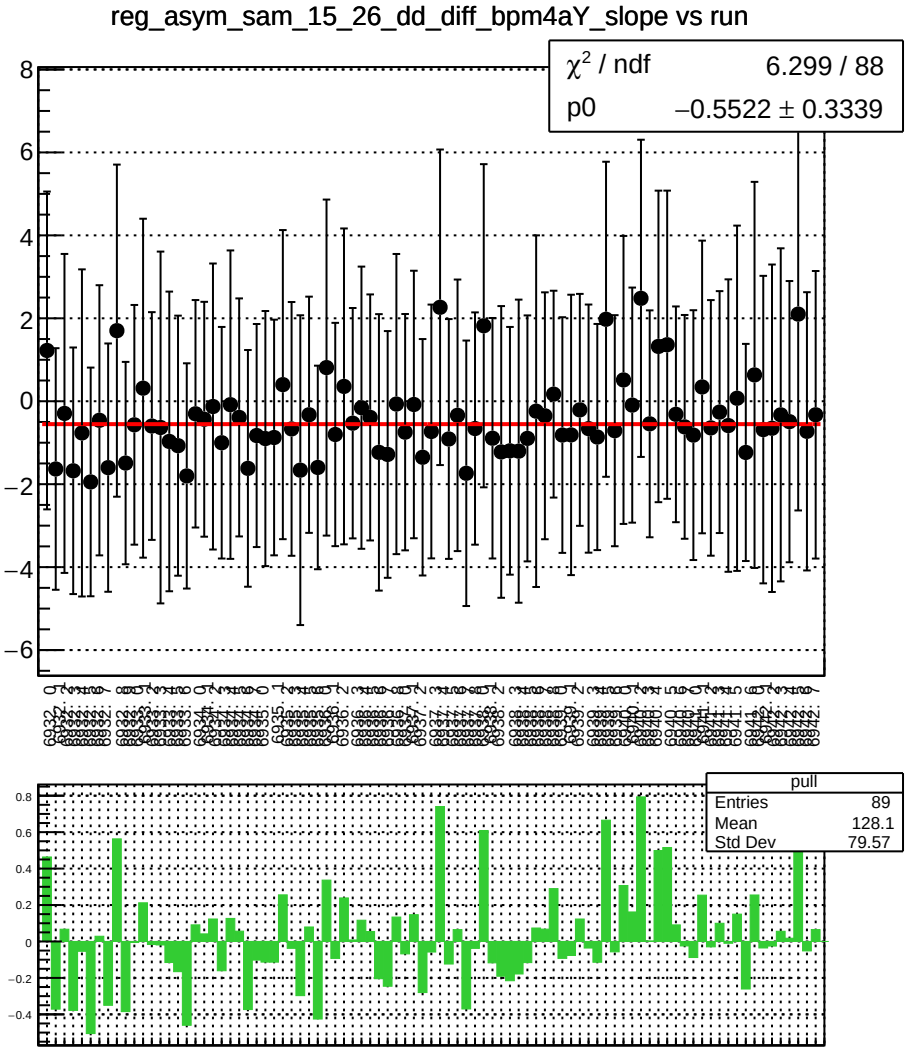

pull1D
Entries 89
Mean −0.0006178
Std Dev 0.5349

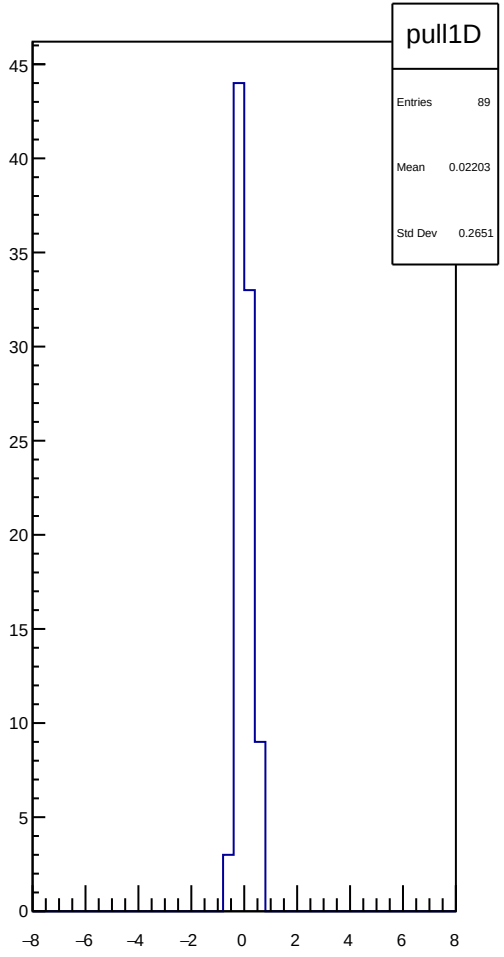

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.48 / 88
p0 0.5281± 0.01509
pull
Entries 89
Mean 180.2
Std Dev 167.6

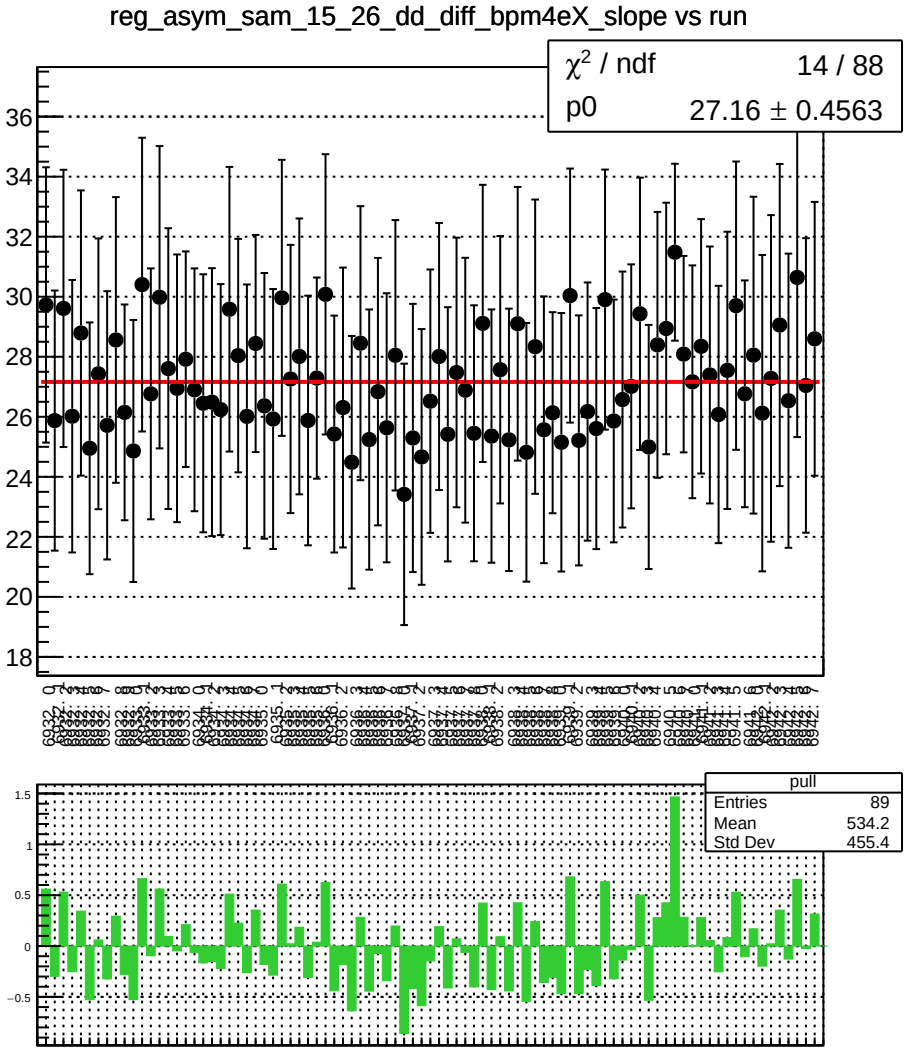

pull1D
Entries 89
Mean 0.006282
Std Dev 0.3431

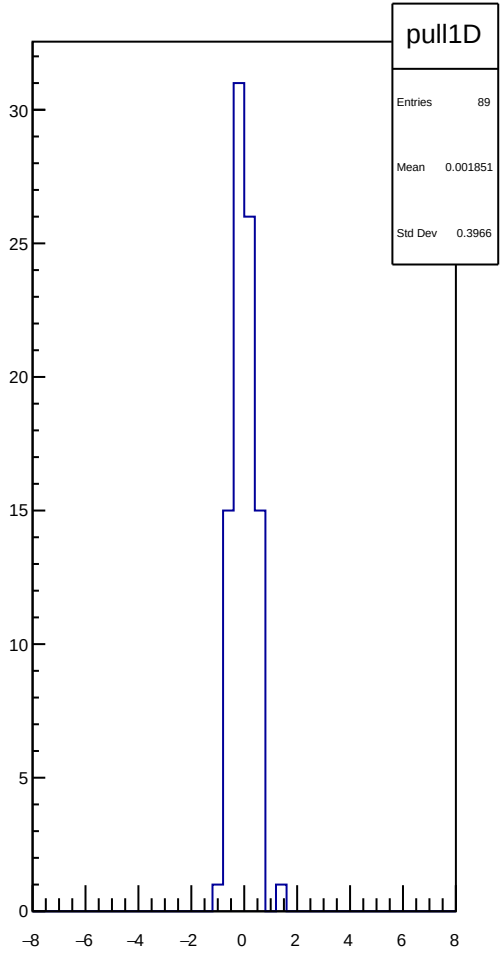

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.748 / 88
p0 4.36 ± 0.4909
pull
Entries 89
Mean −511.4
Std Dev 575.5

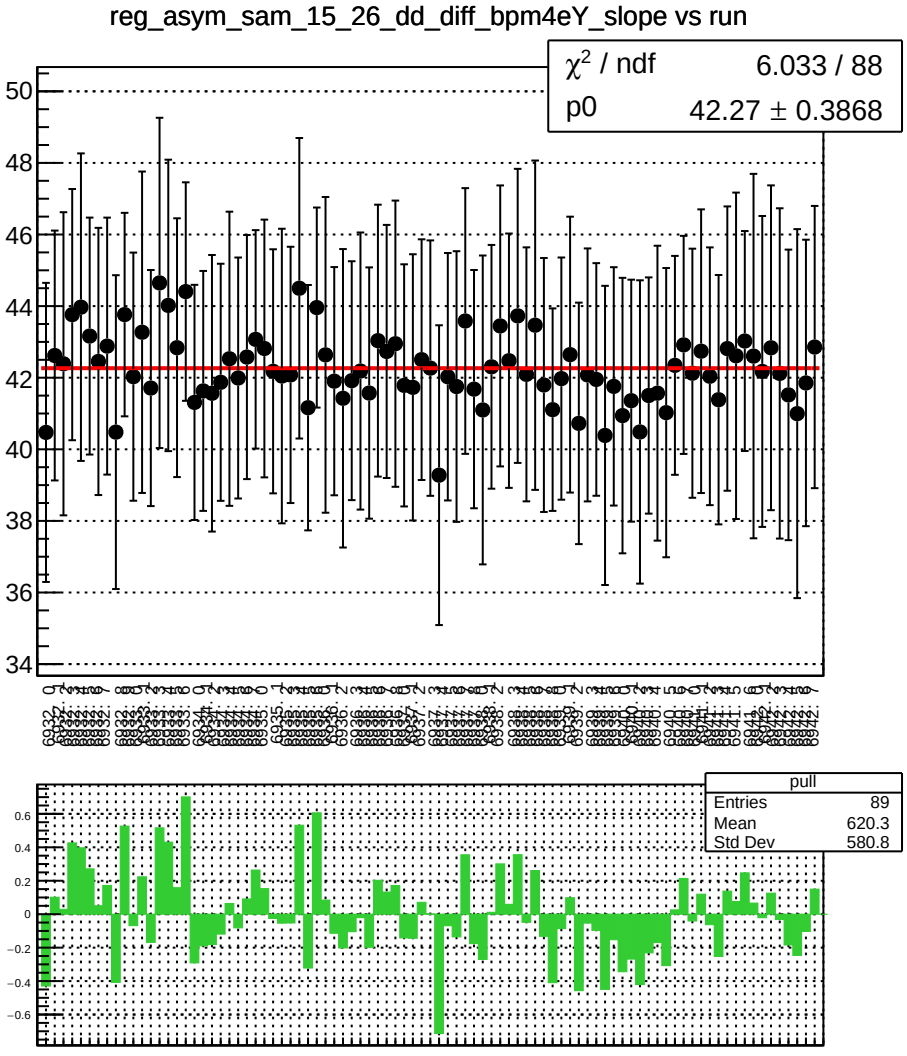

pull1D
Entries 89
Mean 0.00198
Std Dev 0.3135

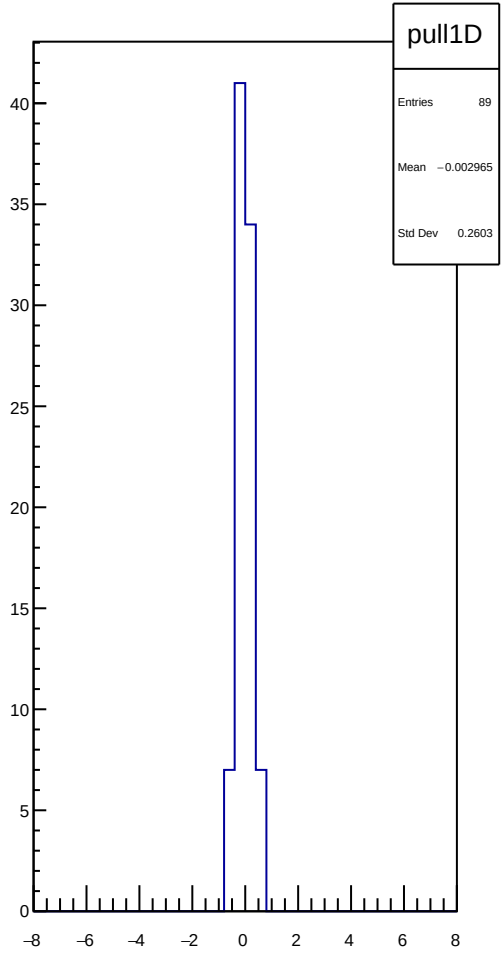

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.299 / 88
p0 −0.5522 ± 0.3339
pull
Entries 89
Mean 128.1
Std Dev 79.57

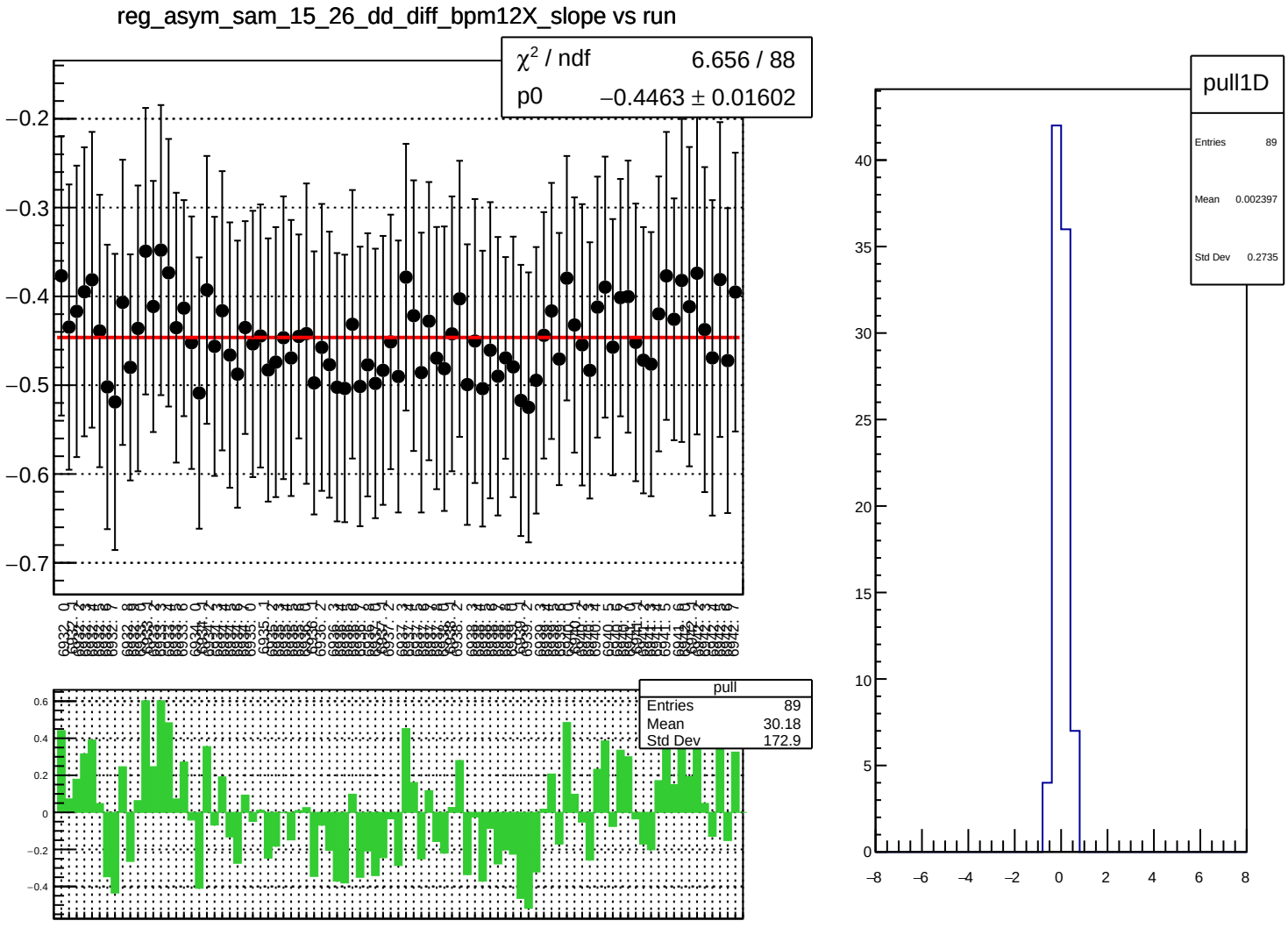

pull1D
Entries 89
Mean 0.02203
Std Dev 0.2651

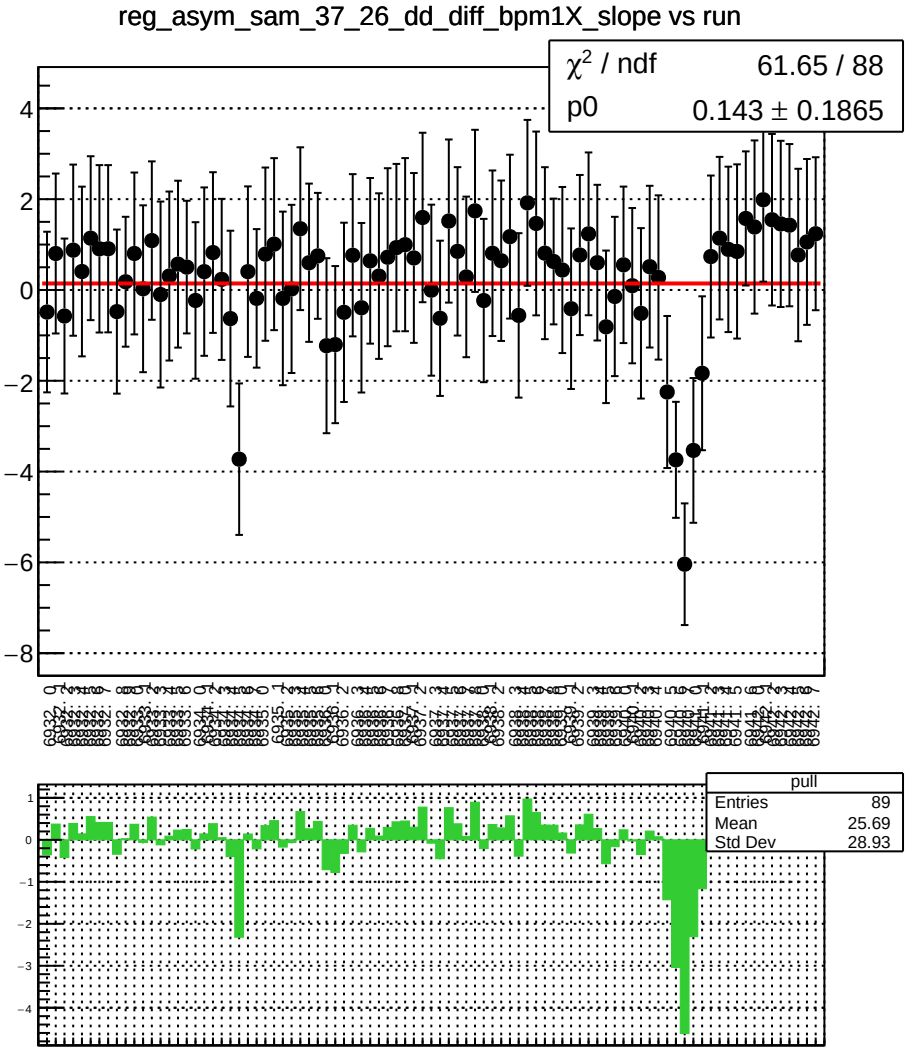

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 14 / 88
p0 27.16 ± 0.4563
pull
Entries 89
Mean 534.2
Std Dev 455.4

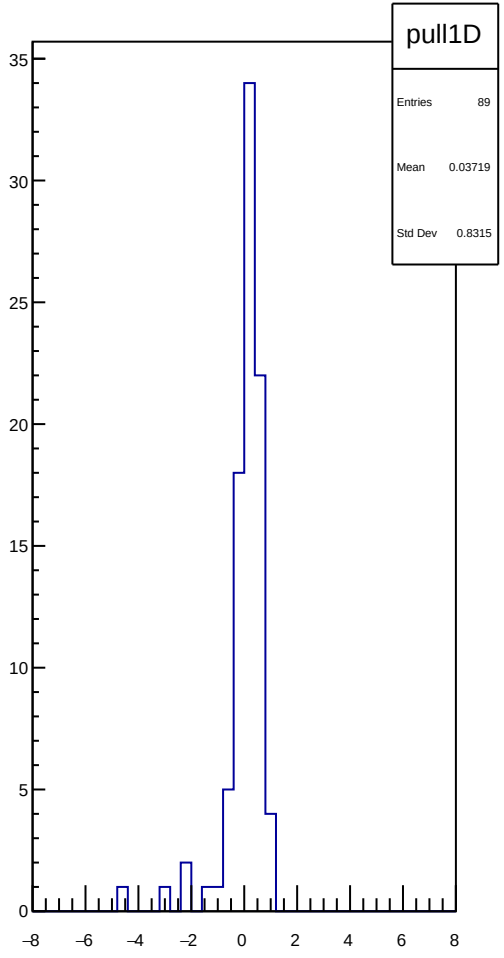

pull1D
Entries 89
Mean 0.001851
Std Dev 0.3966

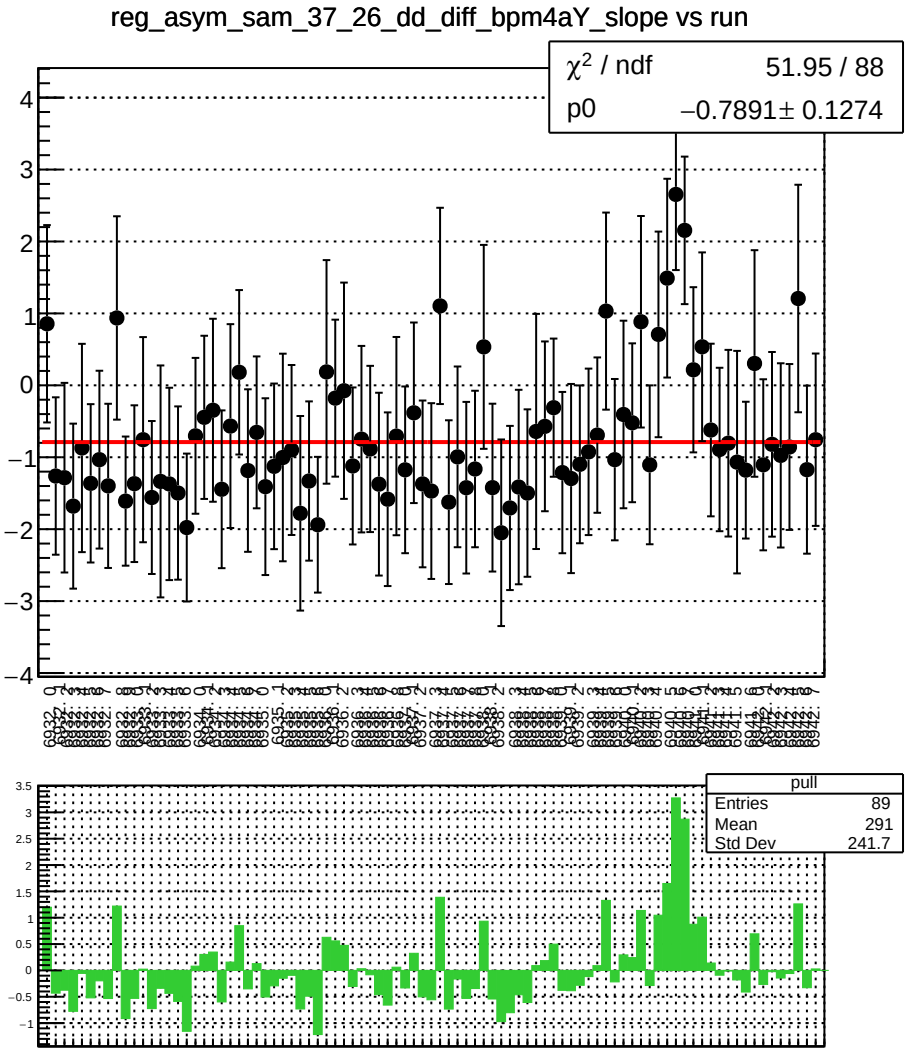

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.033 / 88
p0 42.27 ± 0.3868
pull
Entries 89
Mean 620.3
Std Dev 580.8

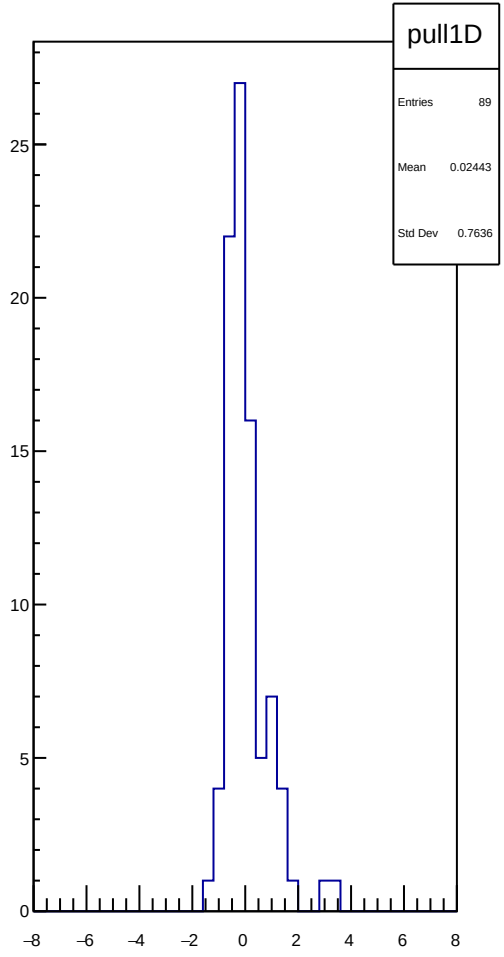

pull1D
Entries 89
Mean −0.002965
Std Dev 0.2603


reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.656 / 88
p0 −0.4463 ± 0.01602
pull
Entries 89
Mean 30.18
Std Dev 172.9
pull1D
Entries 89
Mean 0.002397
Std Dev 0.2735

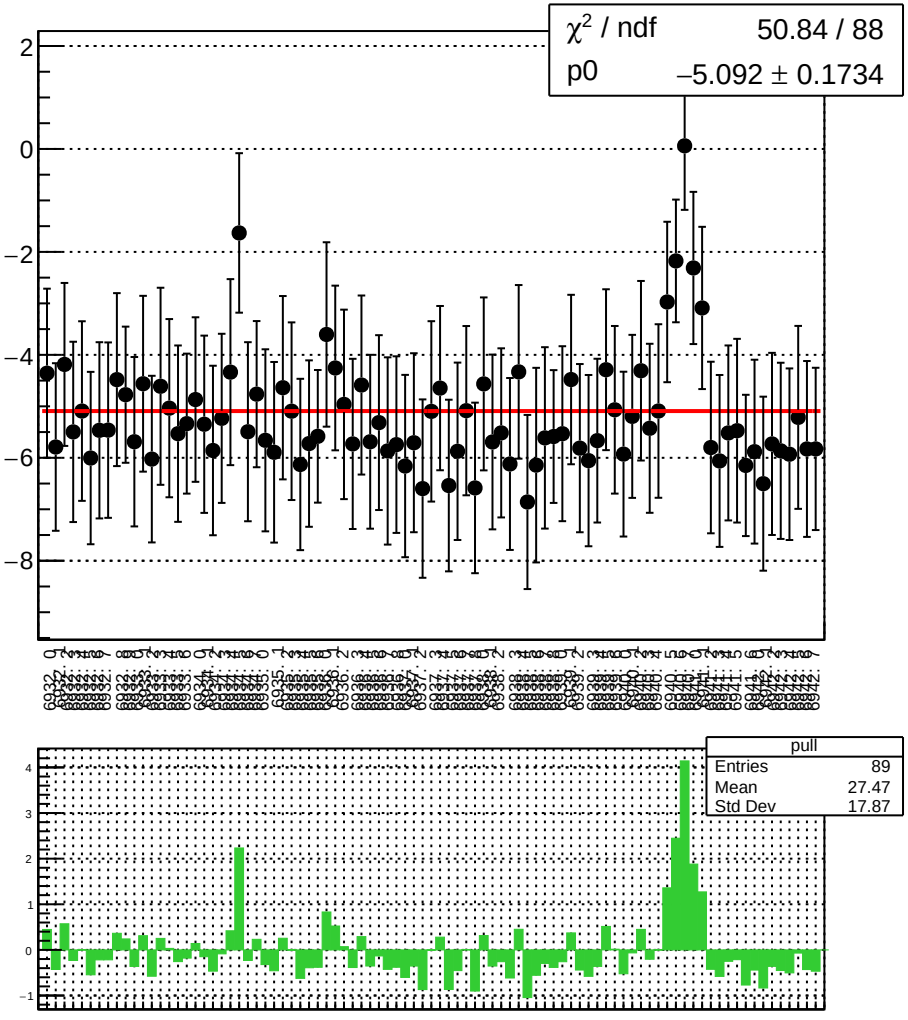

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 61.65 / 88
p0 0.143 ± 0.1865
pull
Entries 89
Mean 25.69
Std Dev 28.93

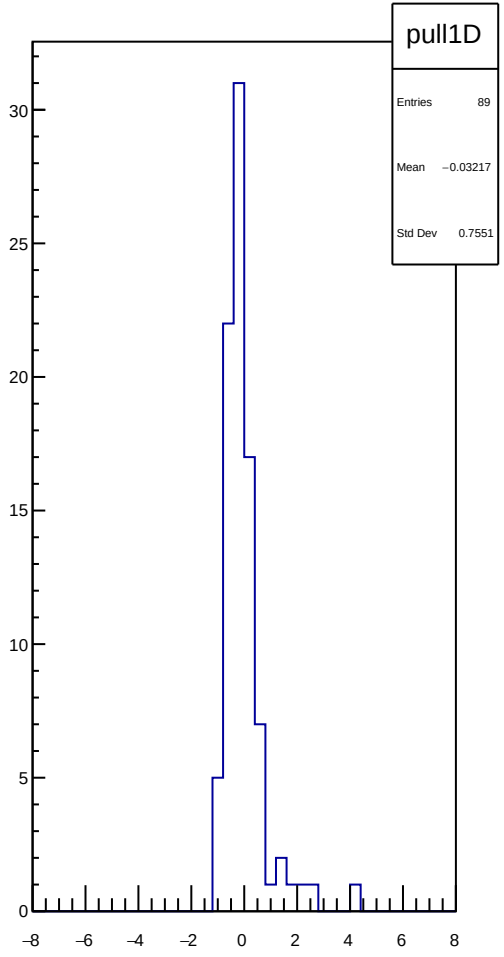

pull1D
Entries 89
Mean 0.03719
Std Dev 0.8315

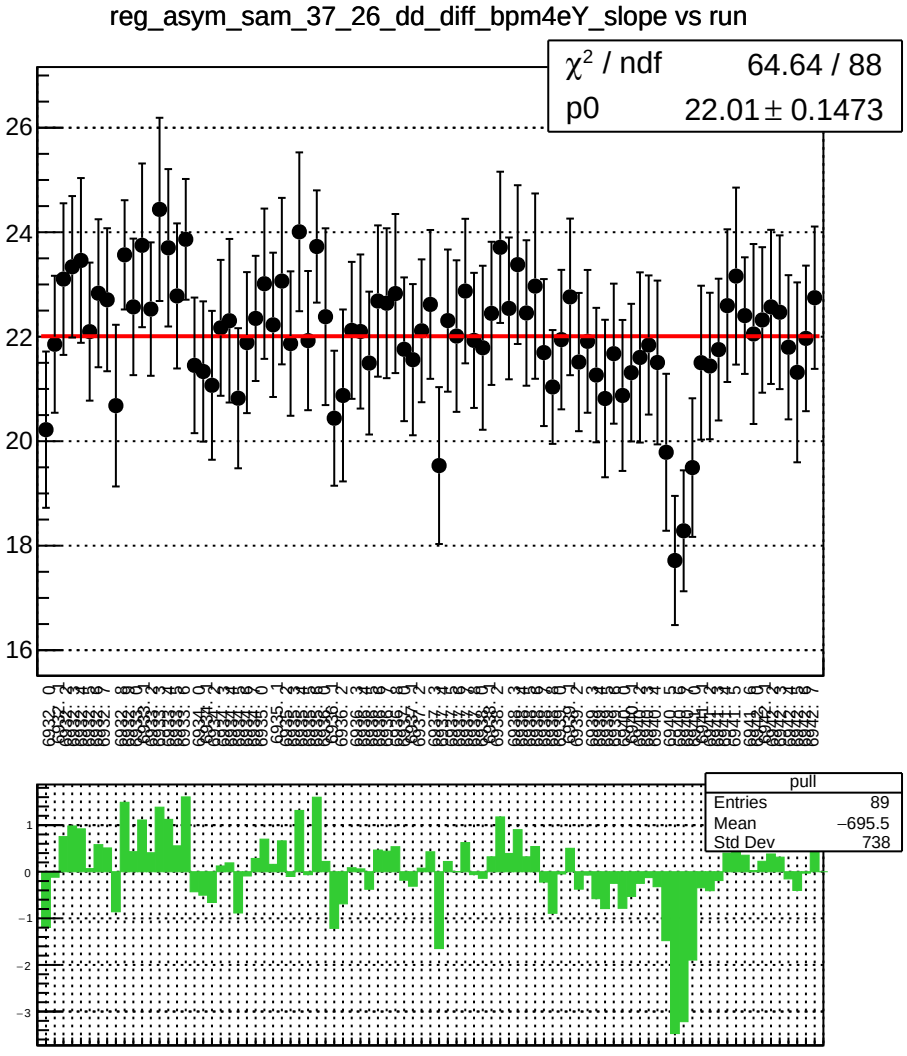

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.95 / 88
p0 −0.7891± 0.1274
pull
Entries 89
Mean 291
Std Dev 241.7

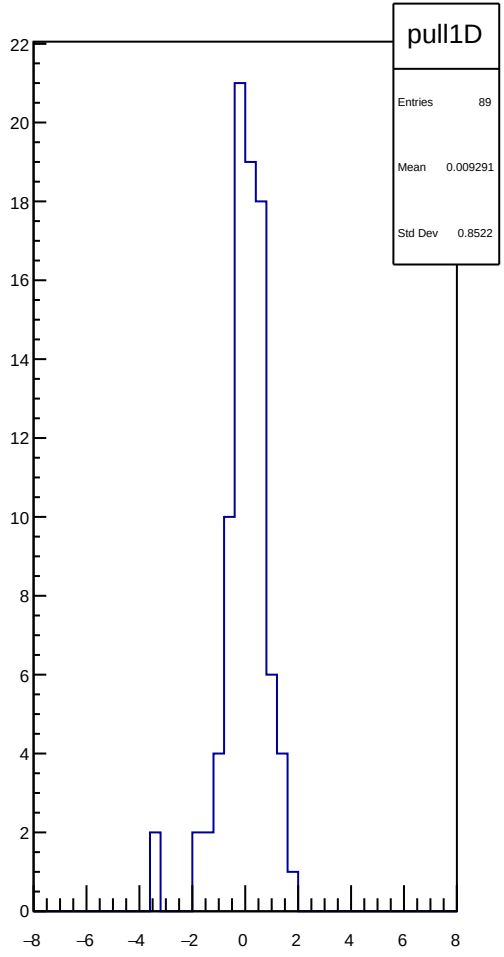

pull1D
Entries 89
Mean 0.02443
Std Dev 0.7636

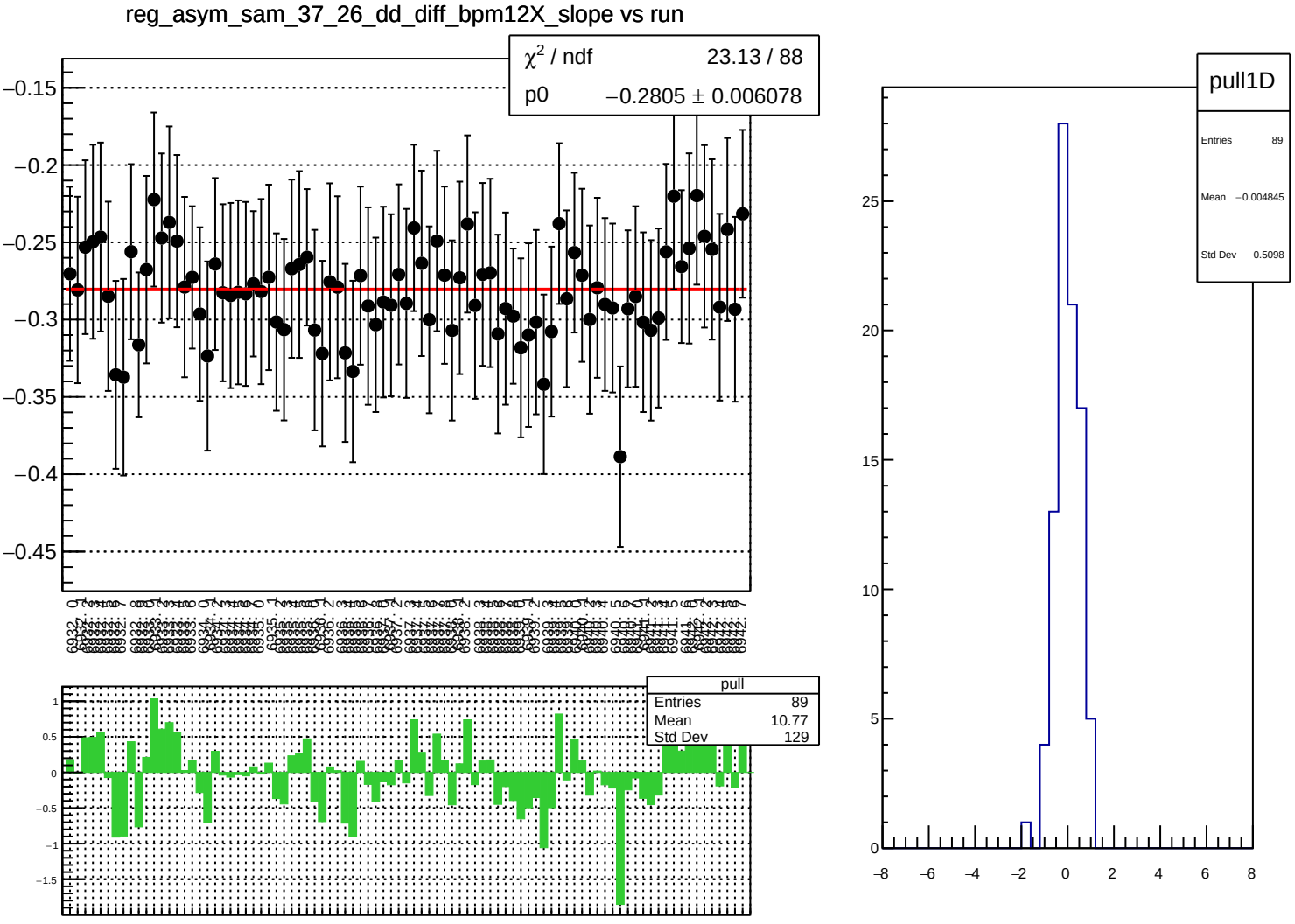
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run

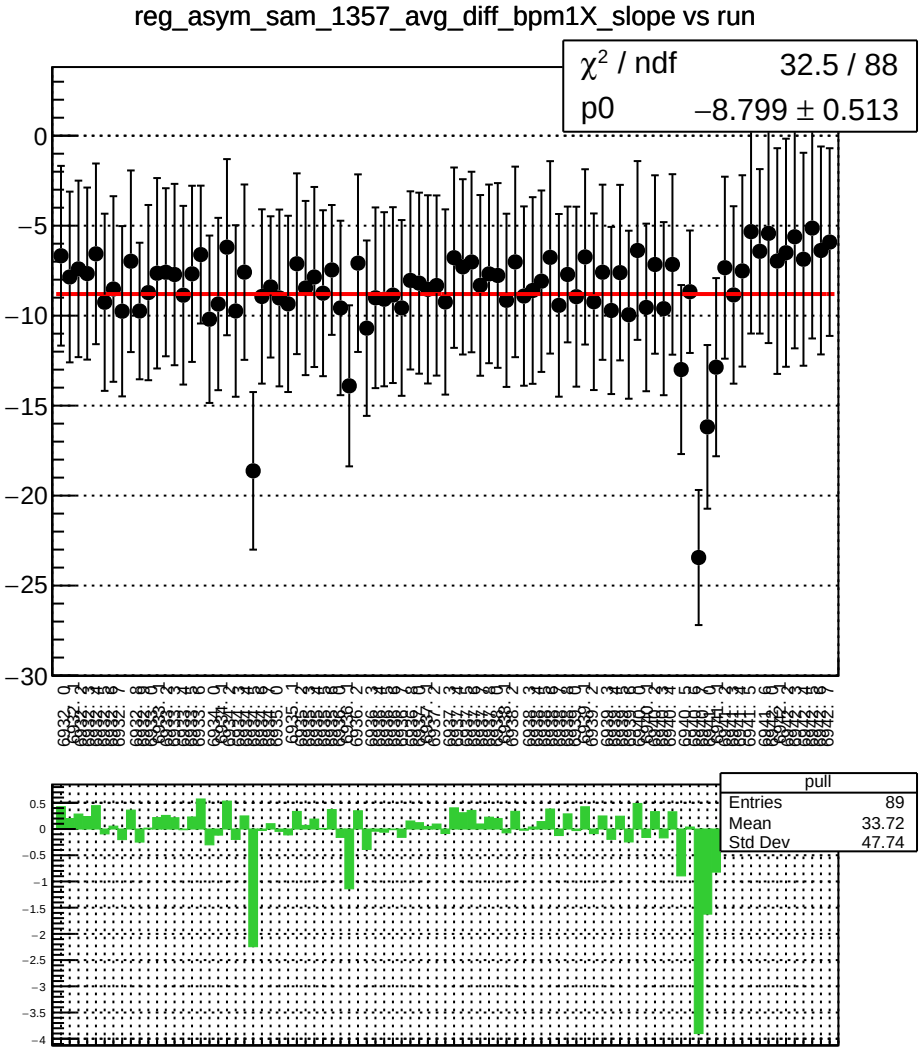


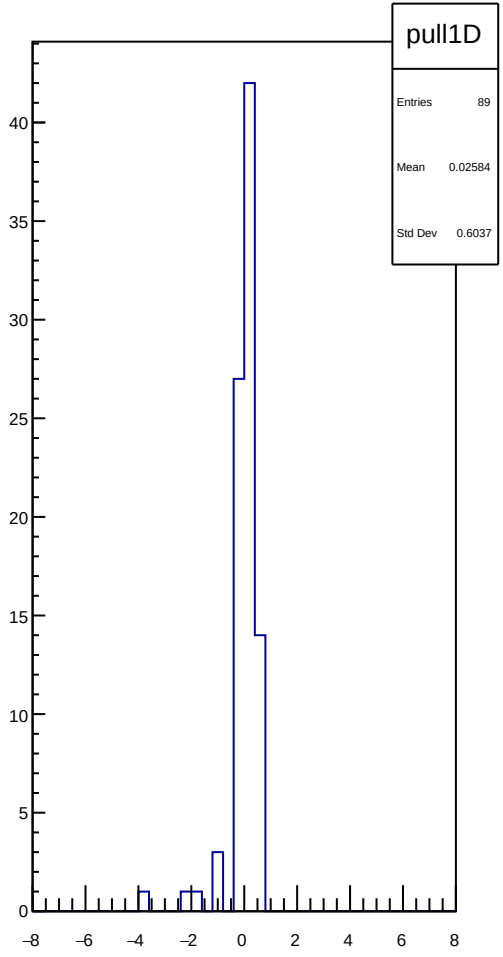


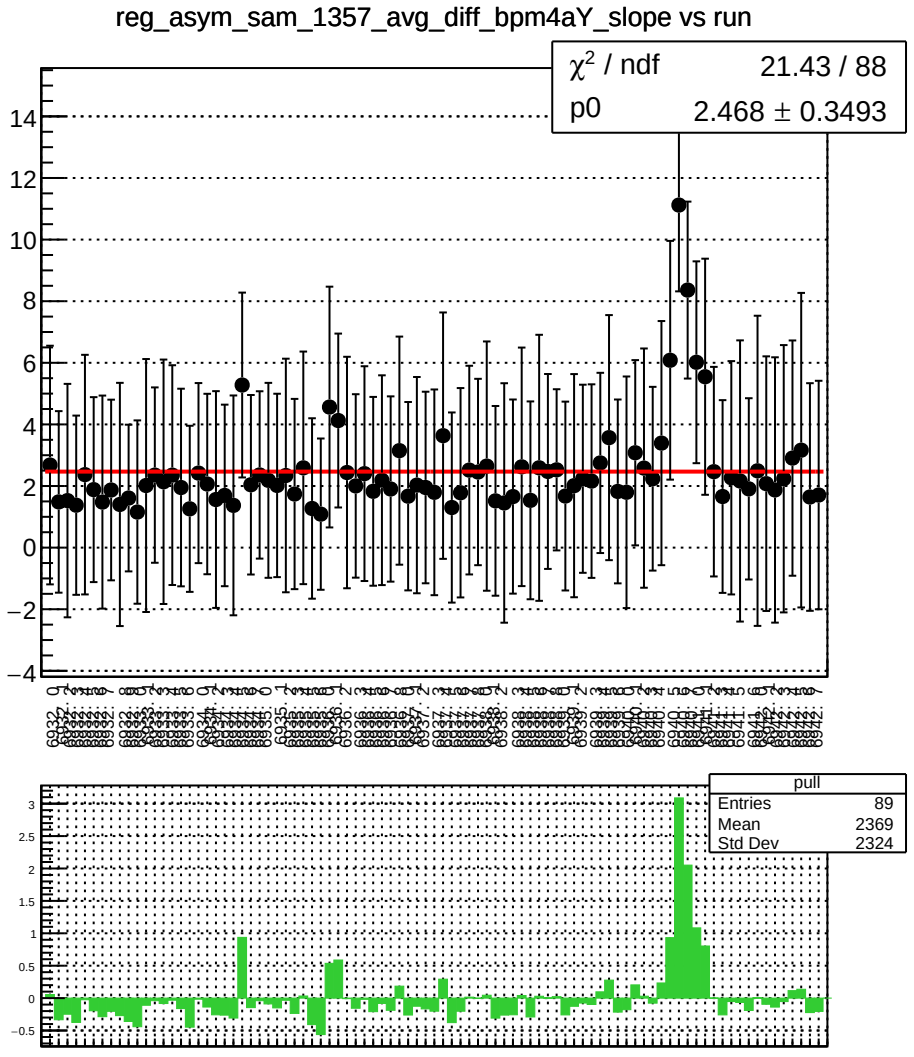

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.64 / 88
p0 22.01 ± 0.1473
pull
Entries 89
Mean −695.5
Std Dev 738

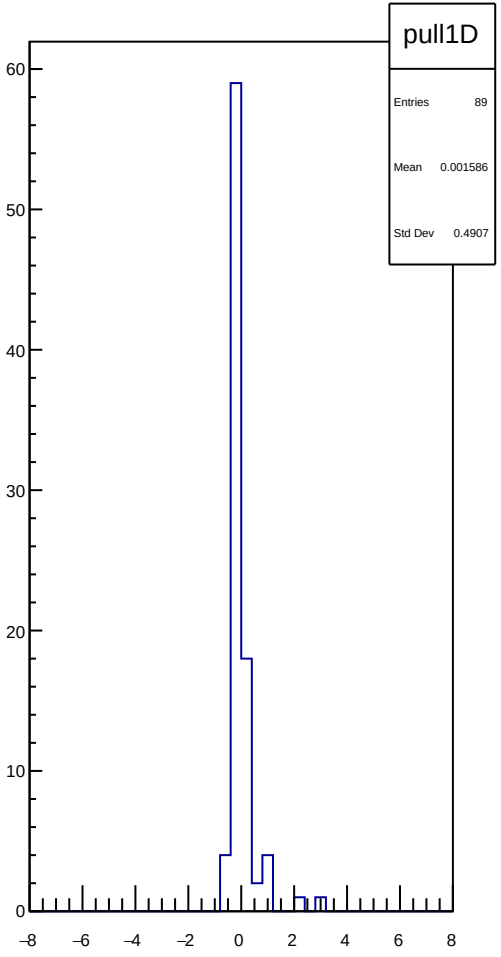

pull1D
Entries 89
Mean 0.009291
Std Dev 0.8522

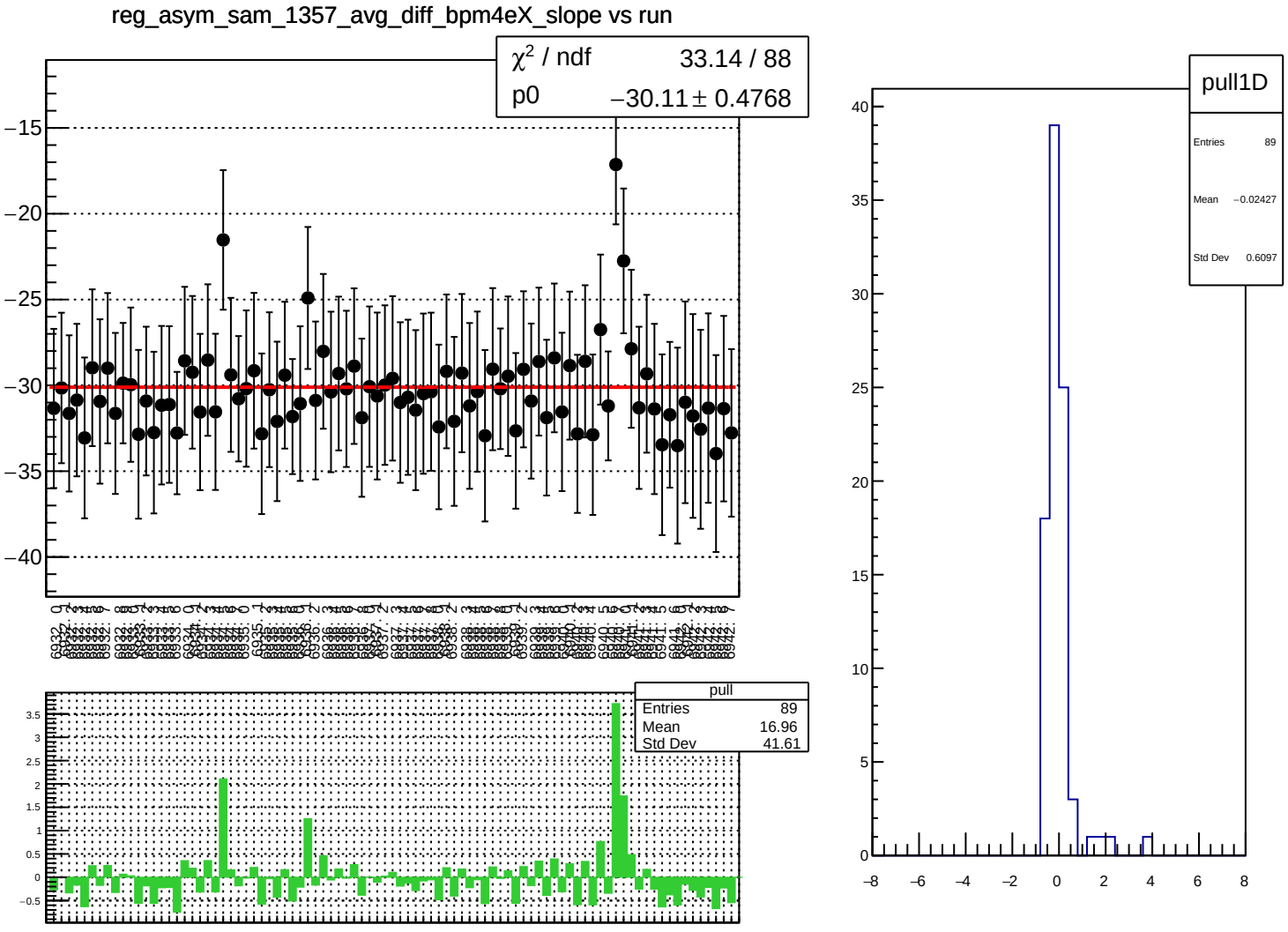

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 23.13 / 88
p0 −0.2805 ± 0.006078
pull
Entries 89
Mean 10.77
Std Dev 129
pull1D
Entries 89
Mean −0.004845
Std Dev 0.5098

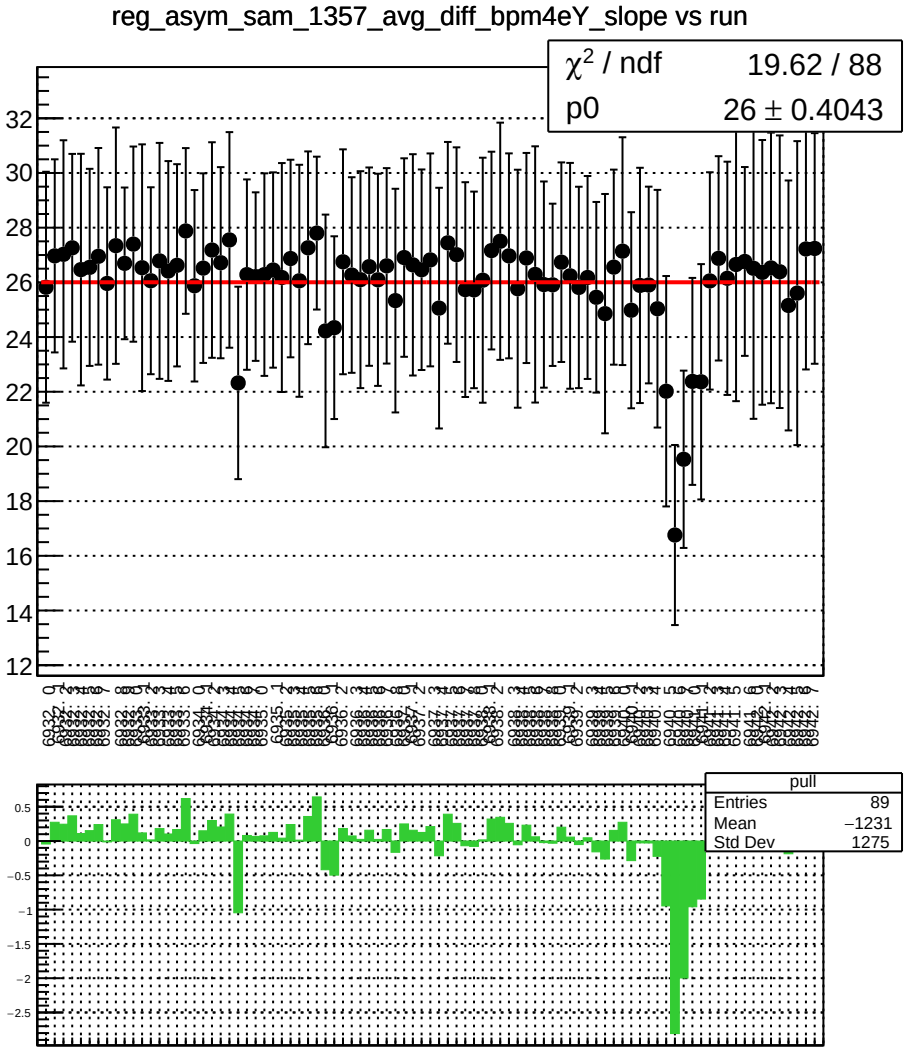

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 32.5 / 88
p0 −8.799 ± 0.513
pull
Entries 89
Mean 33.72
Std Dev 47.74

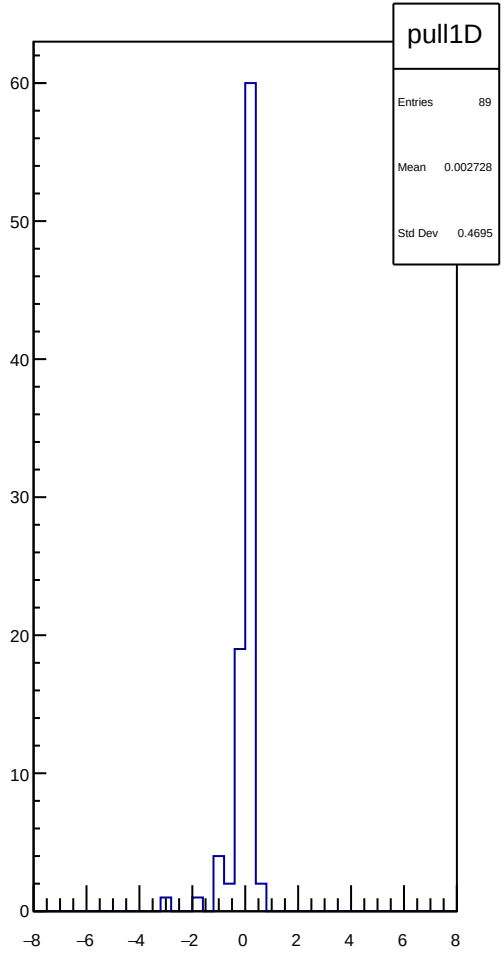

pull1D
Entries 89
Mean 0.02584
Std Dev 0.6037

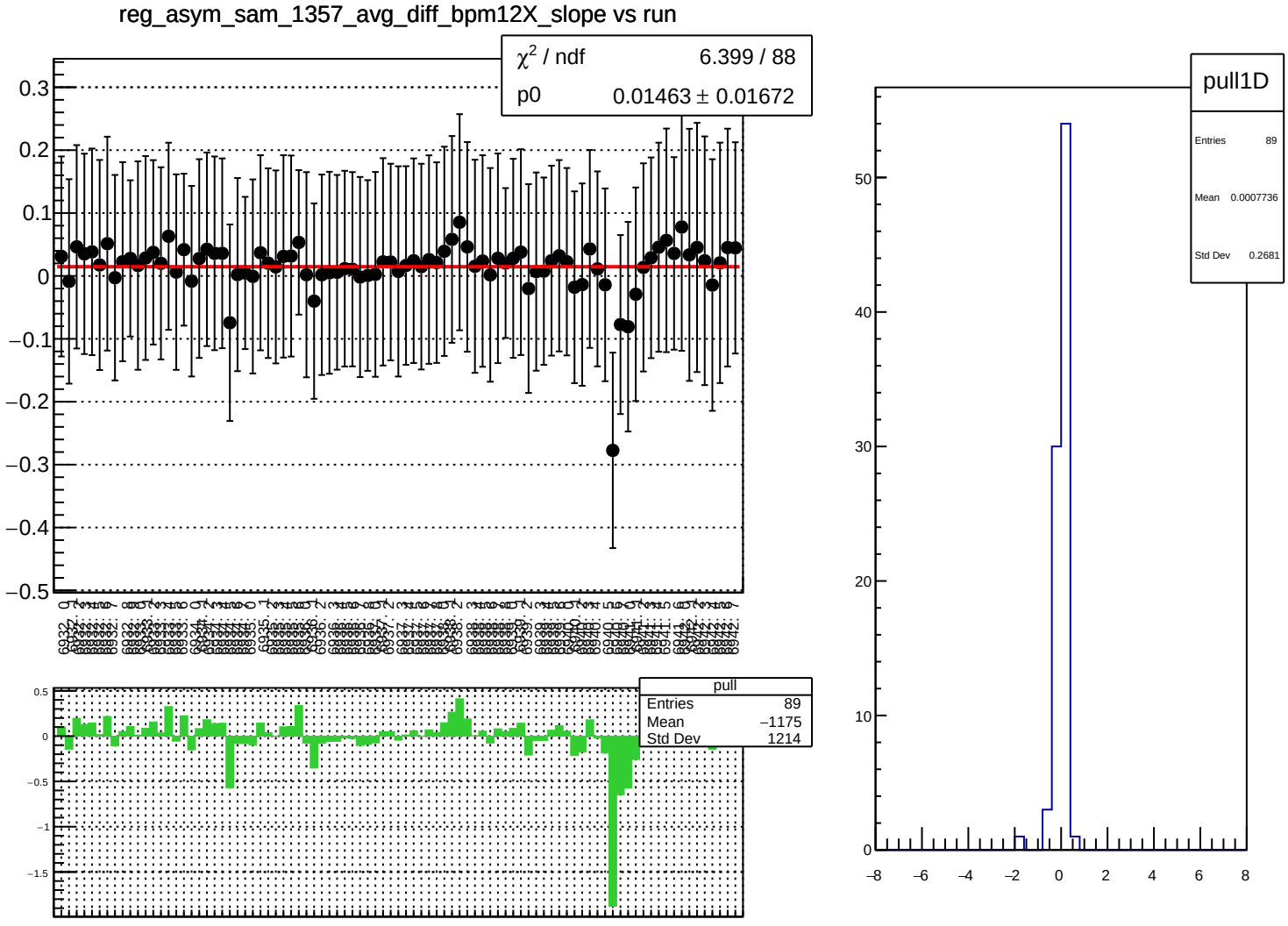

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.43 / 88
p0 2.468 ± 0.3493
pull
Entries 89
Mean 2369
Std Dev 2324

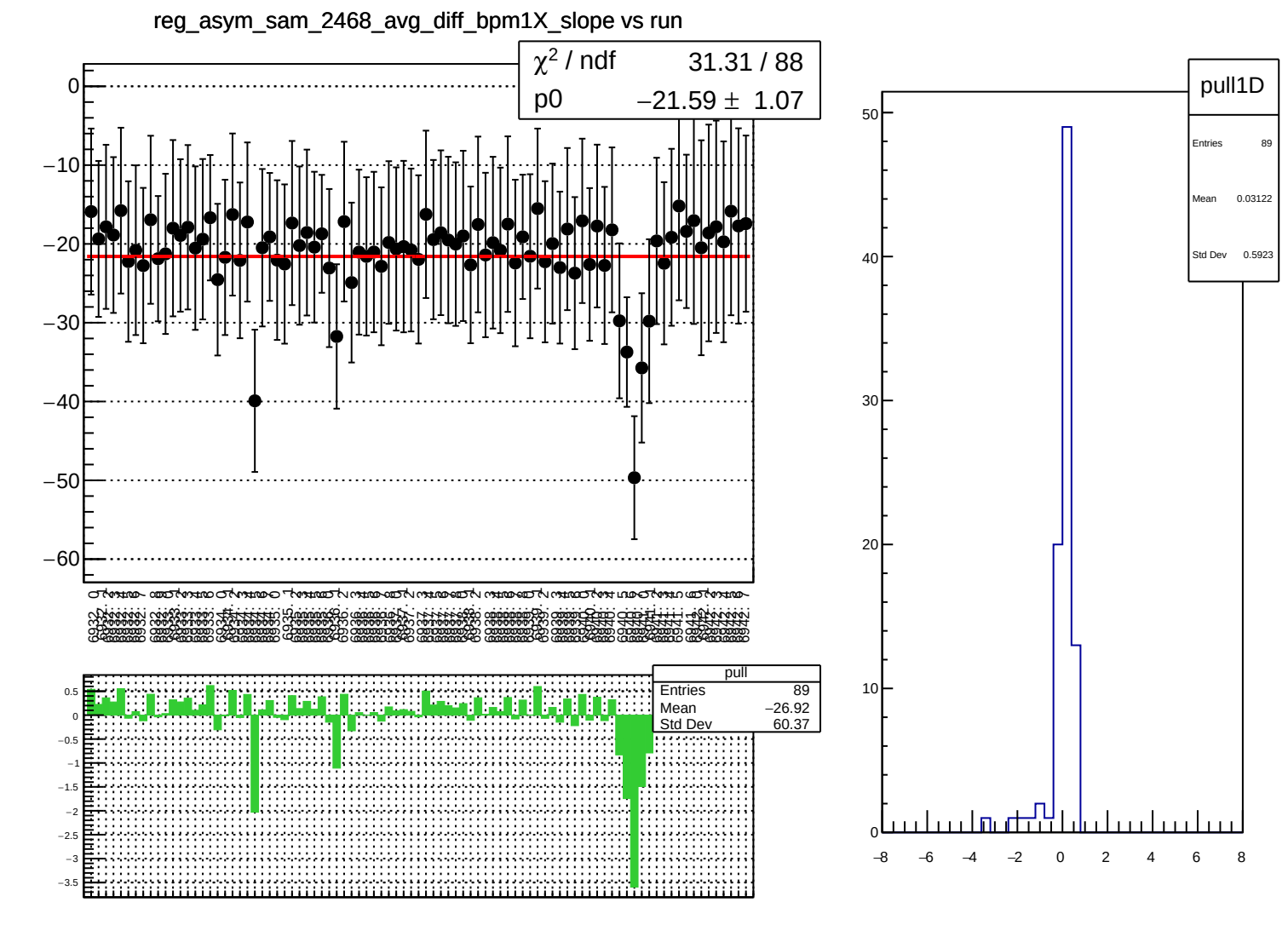

pull1D
Entries 89
Mean 0.001586
Std Dev 0.4907

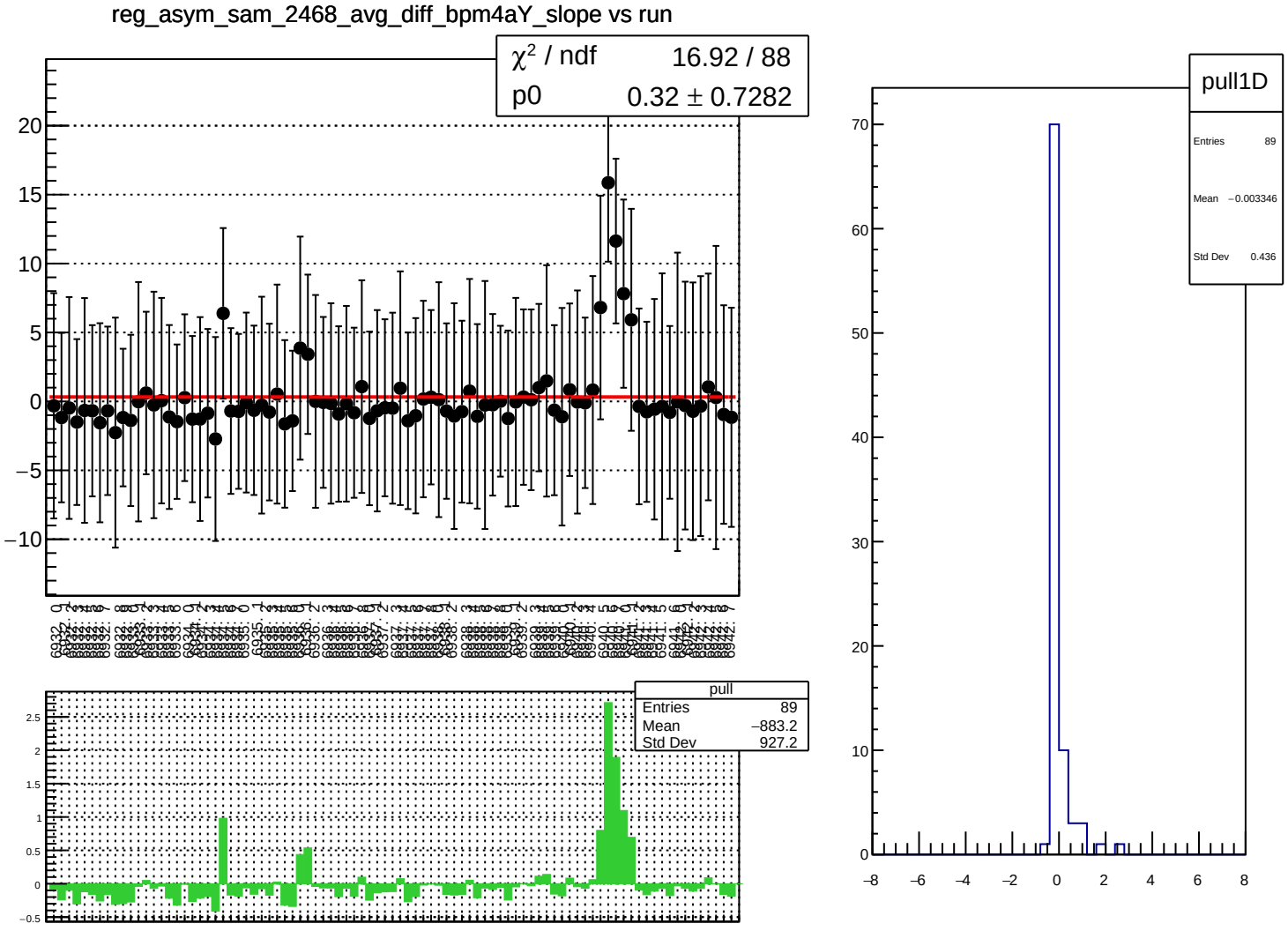

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.14 / 88
p0 −30.11 ± 0.4768
pull
Entries 89
Mean 16.96
Std Dev 41.61
pull1D
Entries 89
Mean −0.02427
Std Dev 0.6097

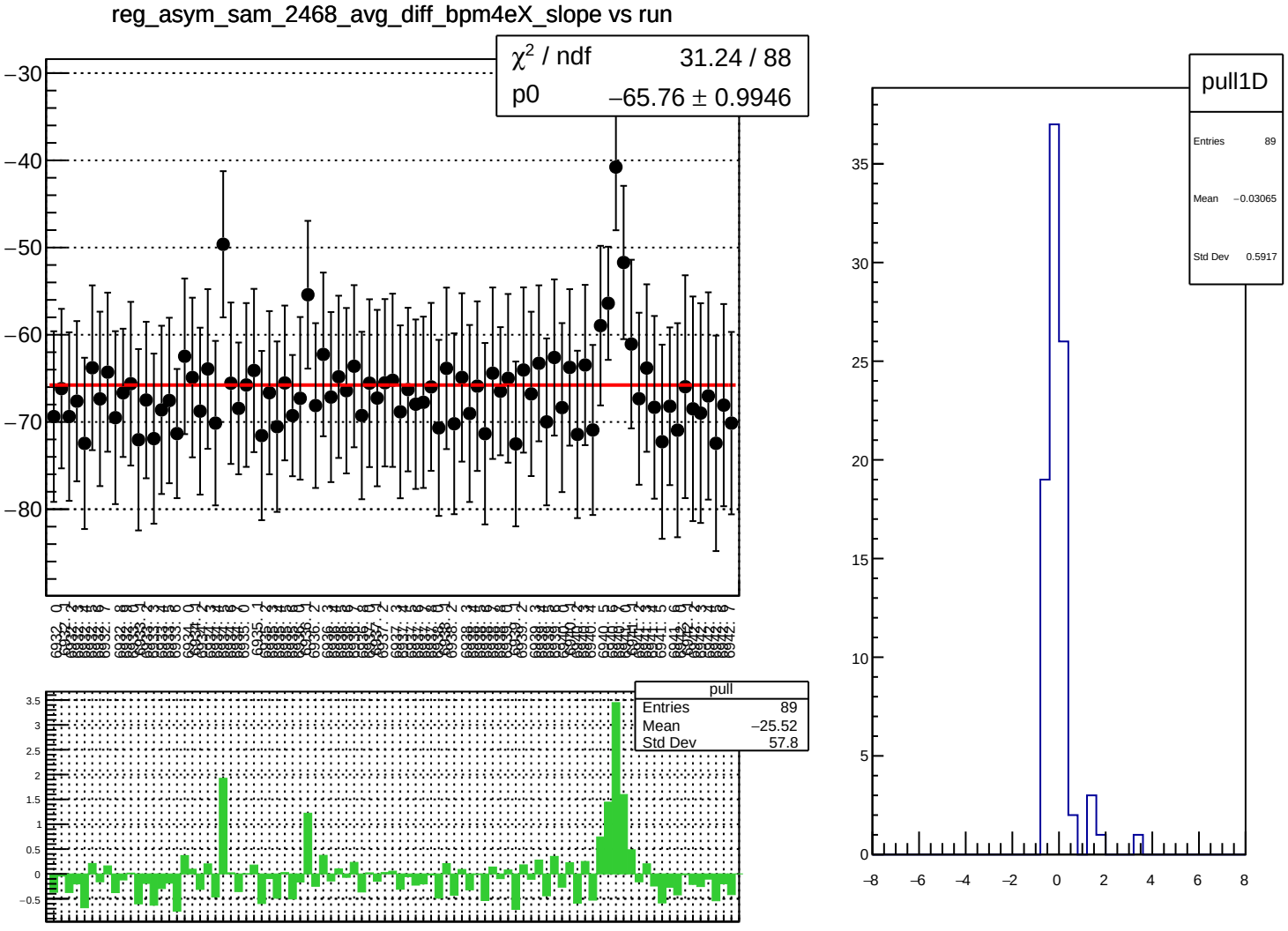

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.62 / 88
p0 26 ± 0.4043
pull
Entries 89
Mean −1231
Std Dev 1275

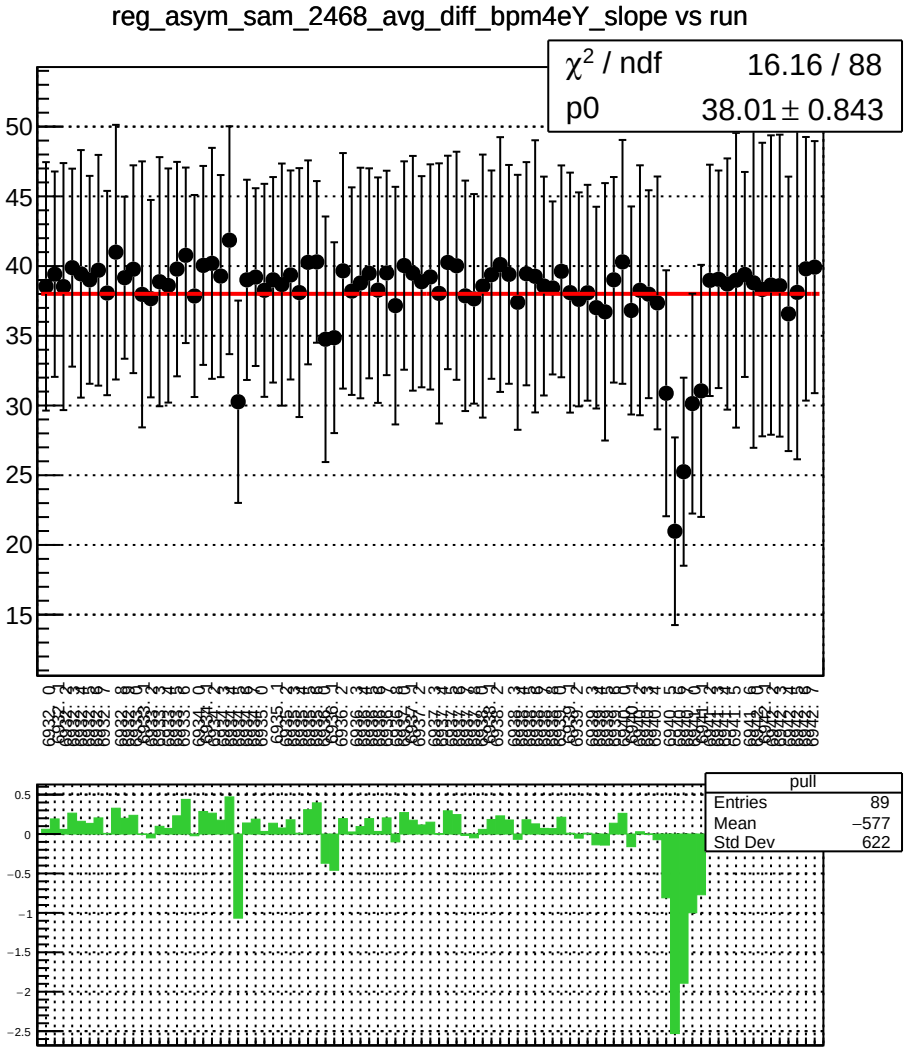

pull1D
Entries 89
Mean 0.002728
Std Dev 0.4695

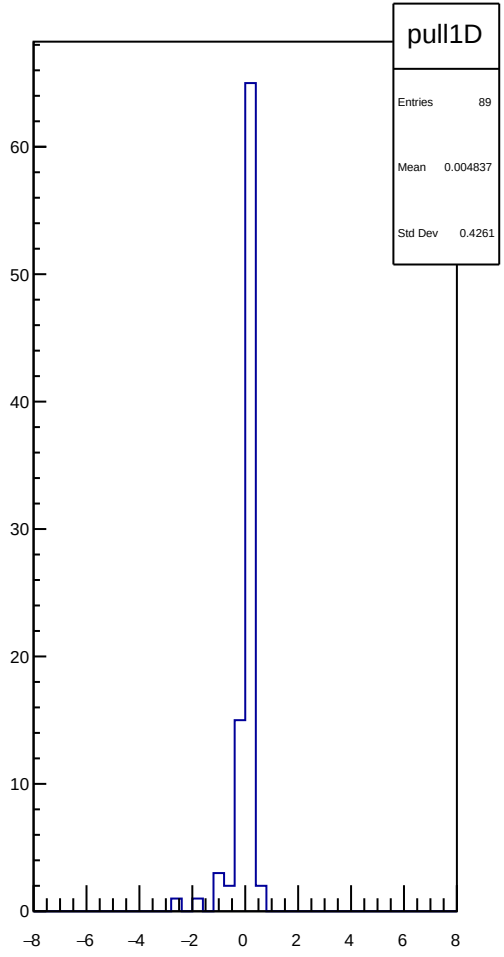

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 6.399 / 88
p0 0.01463 ± 0.01672
pull
Entries 89
Mean −1175
Std Dev 1214
pull1D
Entries 89
Mean 0.0007736
Std Dev 0.2681

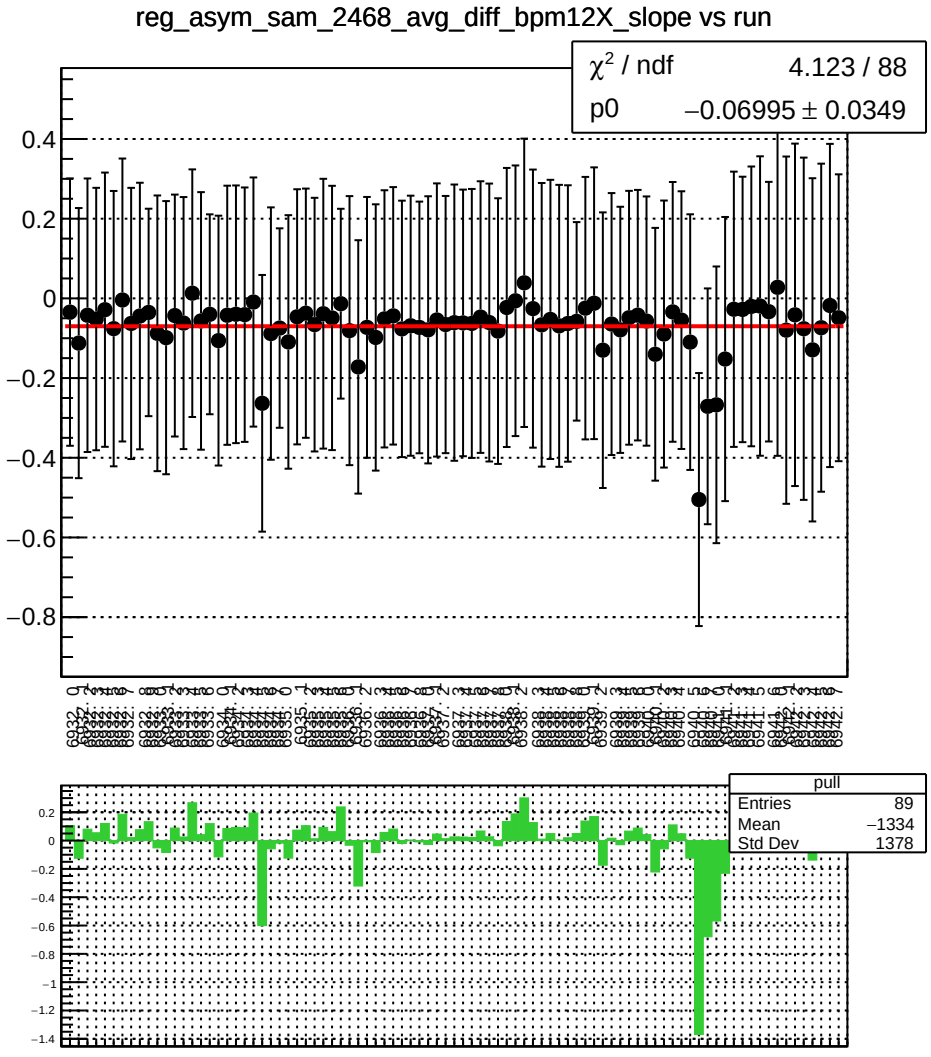

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 31.31 / 88
p0 −21.59 ± 1.07
pull
Entries 89
Mean −26.92
Std Dev 60.37
pull1D
Entries 89
Mean 0.03122
Std Dev 0.5923

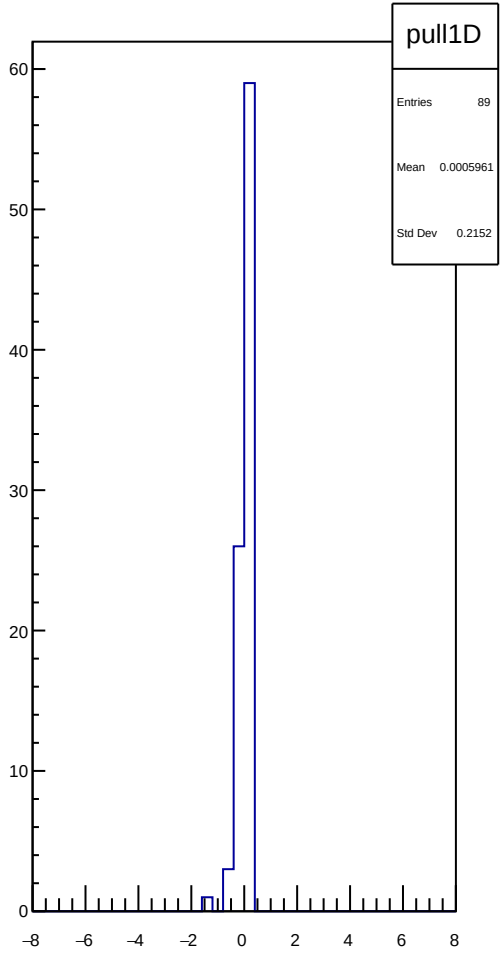

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.92 / 88
p0 0.32 ± 0.7282
pull
Entries 89
Mean −883.2
Std Dev 927.2
pull1D
Entries 89
Mean −0.003346
Std Dev 0.436

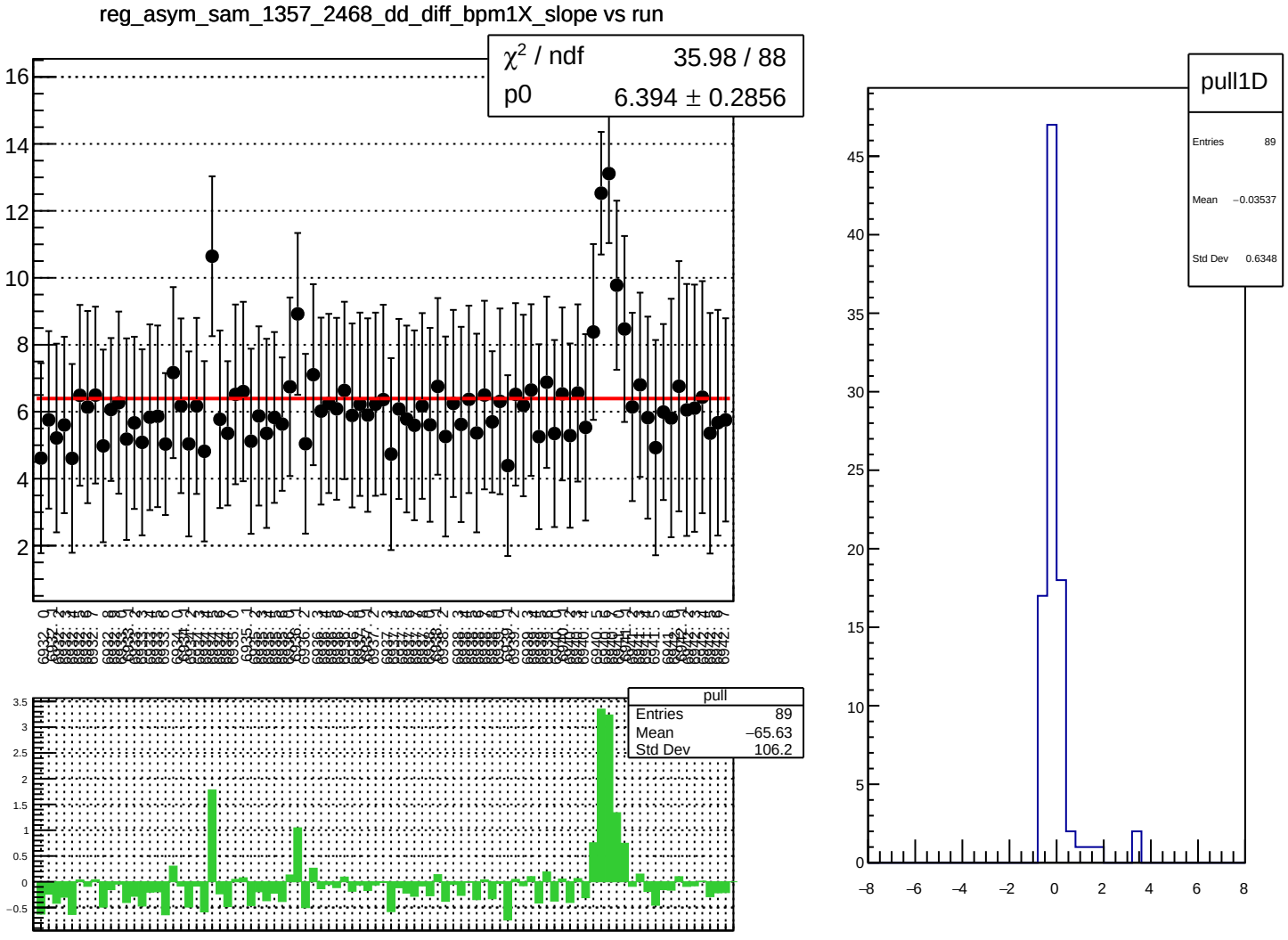

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.24 / 88
p0 −65.76 ± 0.9946
pull
Entries 89
Mean −25.52
Std Dev 57.8
pull1D
Entries 89
Mean −0.03065
Std Dev 0.5917

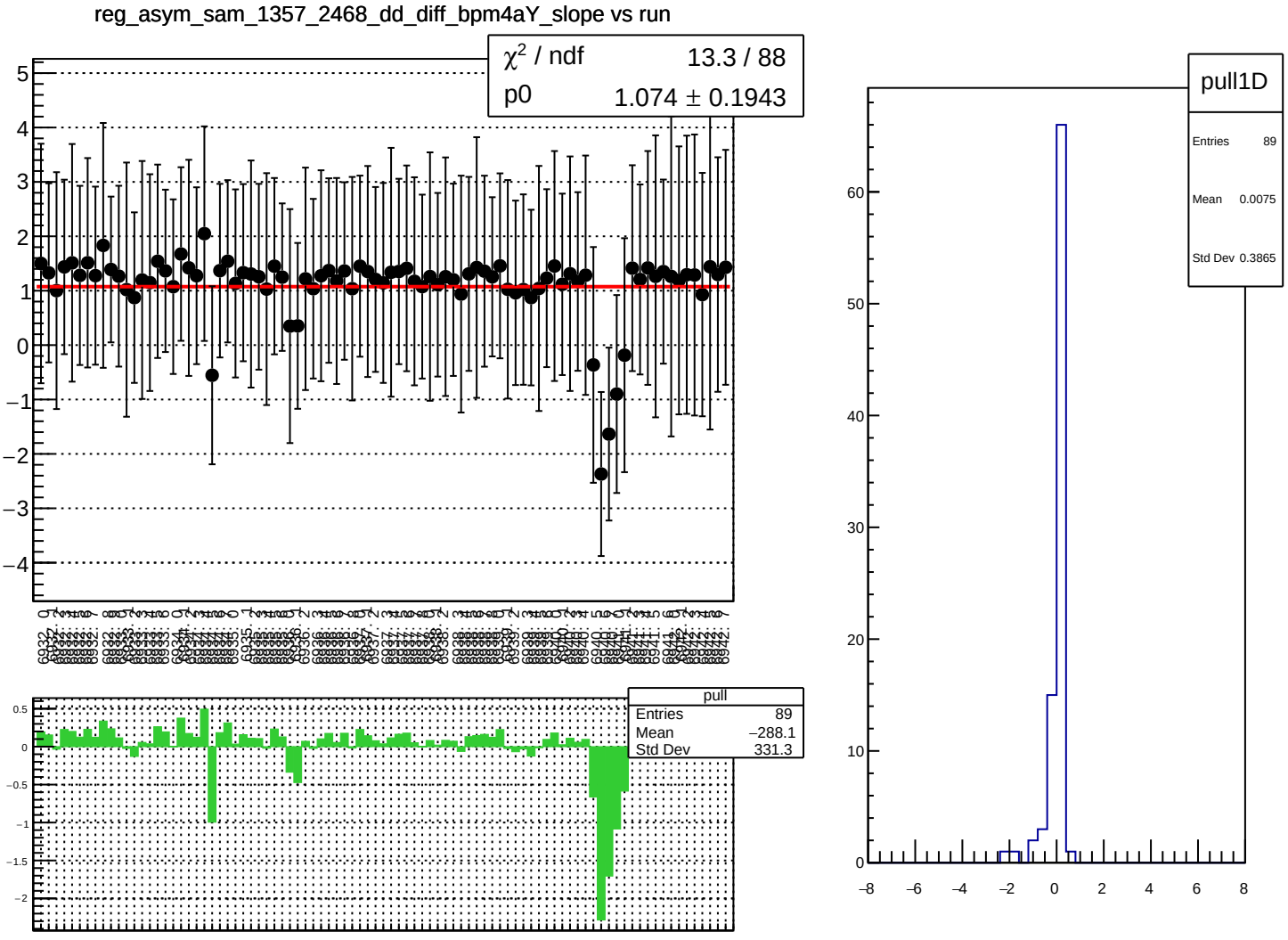

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.16 / 88
p0 38.01 ± 0.843
pull
Entries 89
Mean −577
Std Dev 622

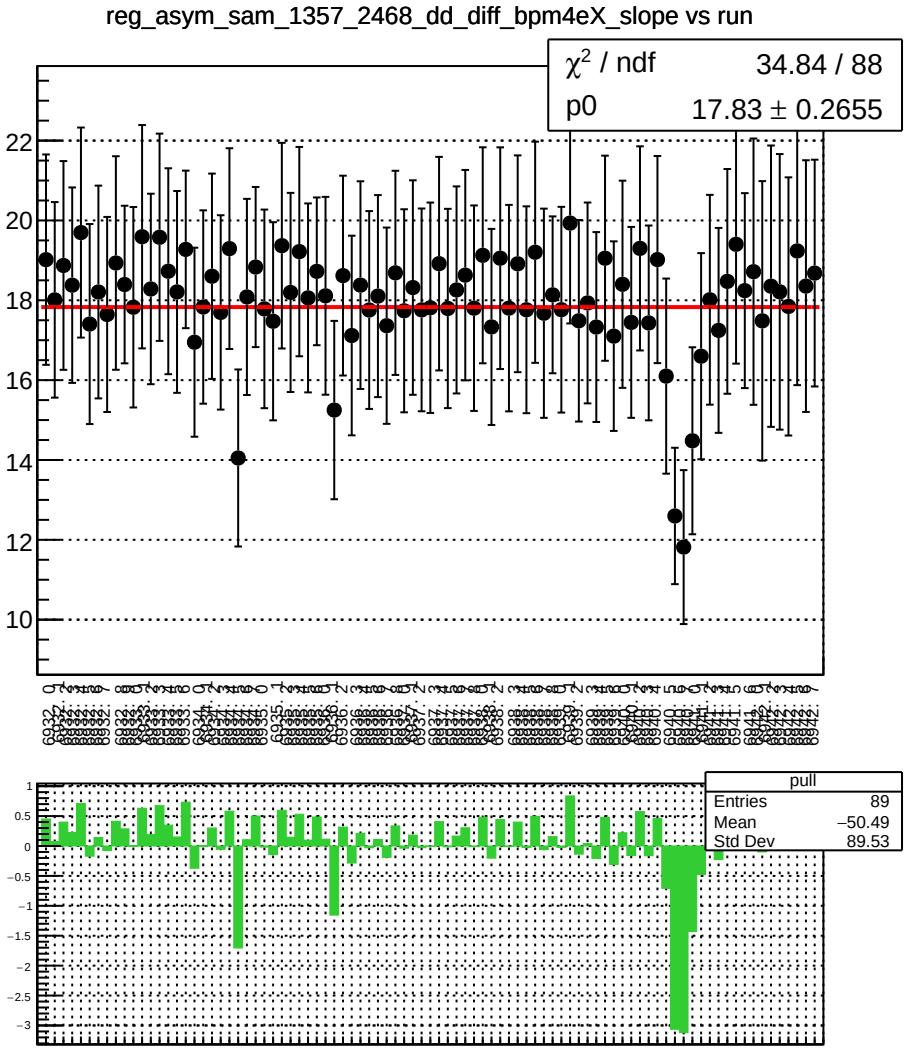

pull1D
Entries 89
Mean 0.004837
Std Dev 0.4261

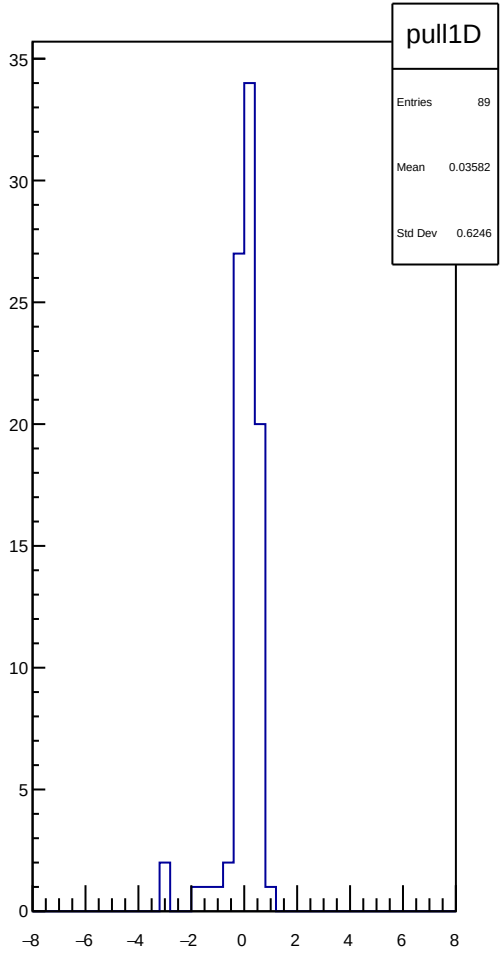

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.123 / 88
p0 −0.06995 ± 0.0349
pull
Entries 89
Mean −1334
Std Dev 1378

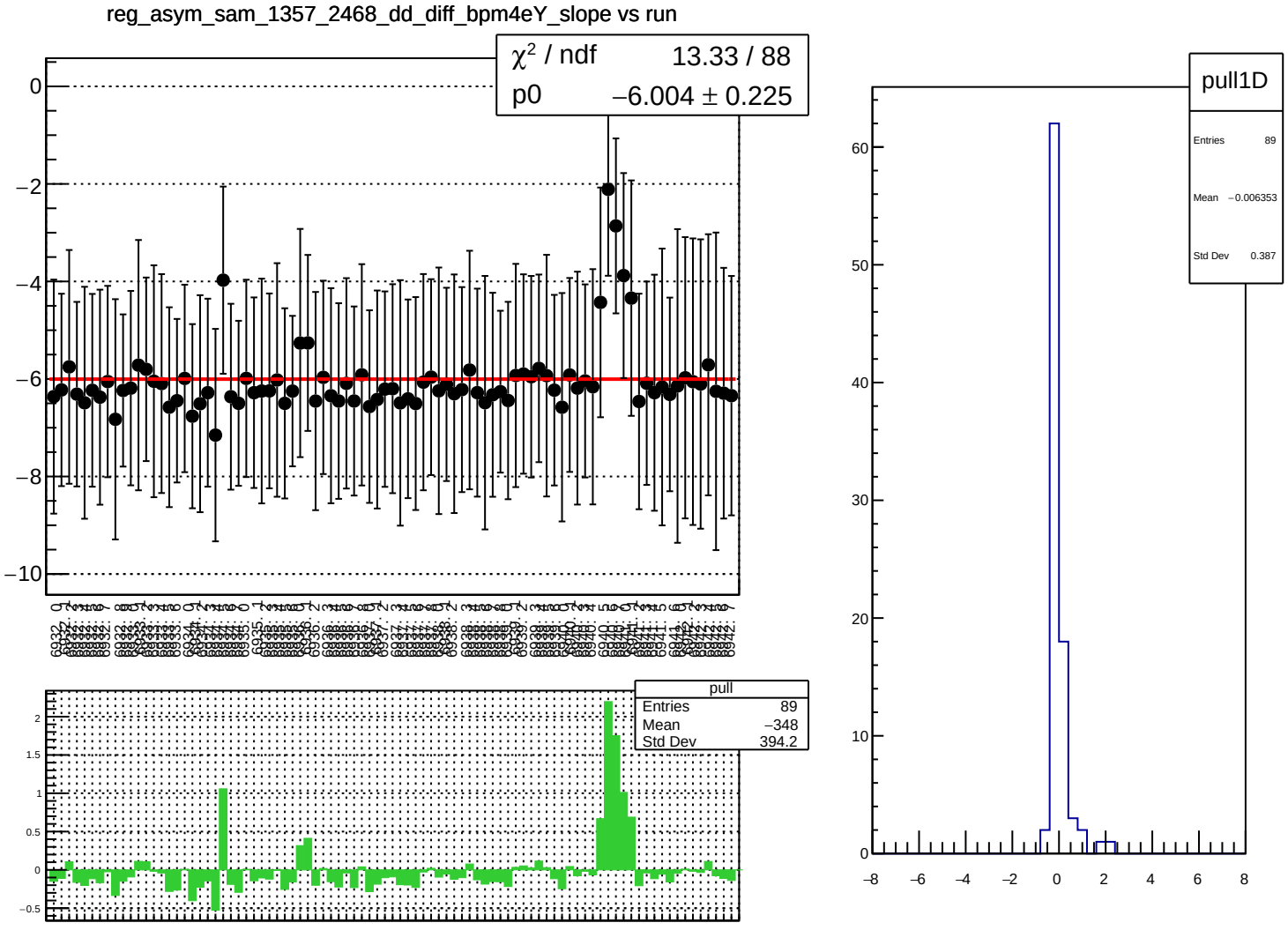

pull1D
Entries 89
Mean 0.0005961
Std Dev 0.2152

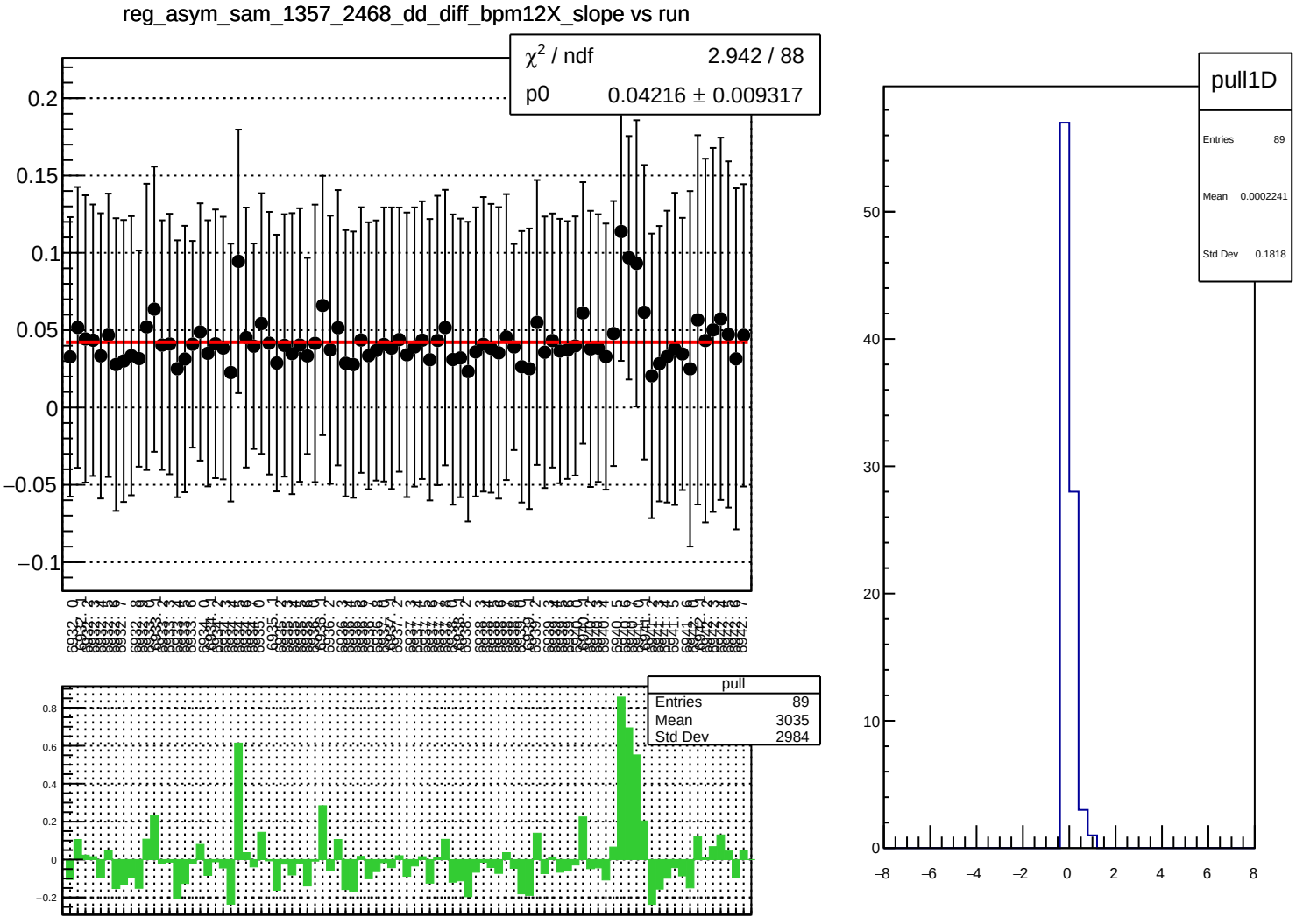

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 35.98 / 88
p0 6.394 ± 0.2856
pull
Entries 89
Mean −65.63
Std Dev 106.2
pull1D
Entries 89
Mean −0.03537
Std Dev 0.6348

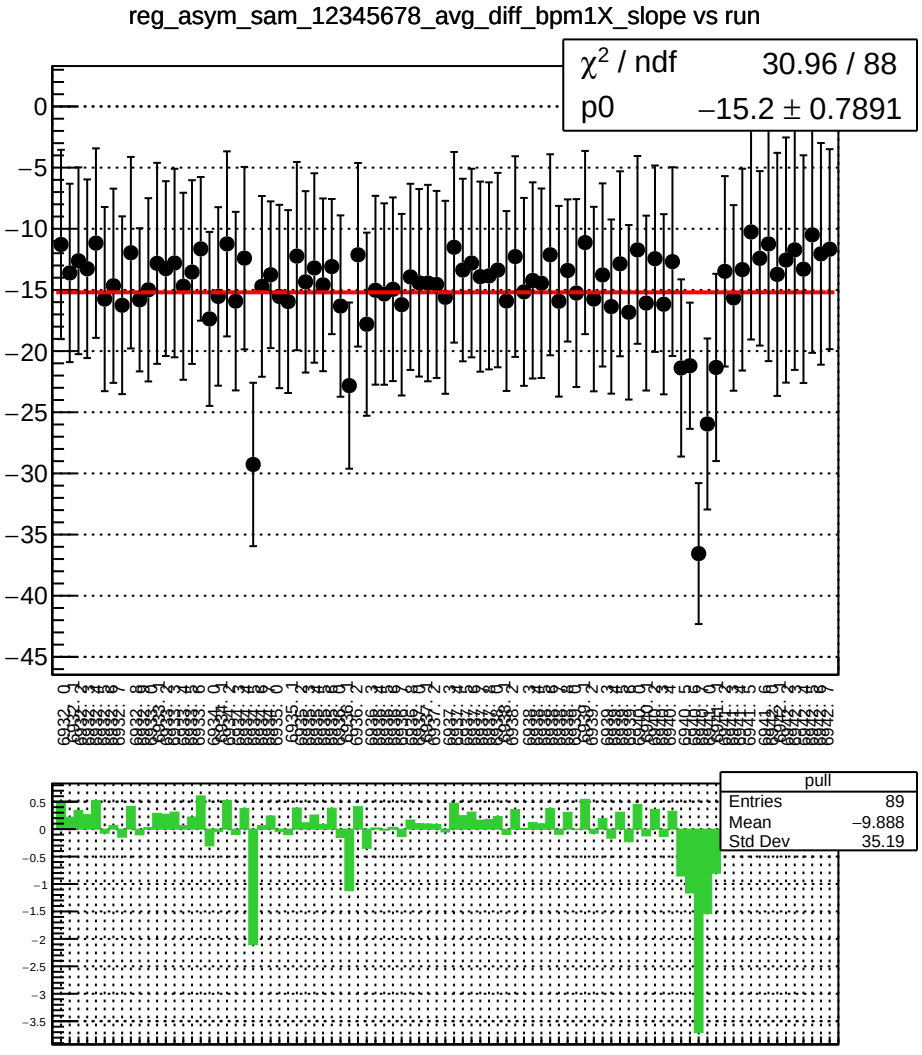

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.3 / 88
p0 1.074 ± 0.1943
pull
Entries 89
Mean −288.1
Std Dev 331.3
pull1D
Entries 89
Mean 0.0075
Std Dev 0.3865

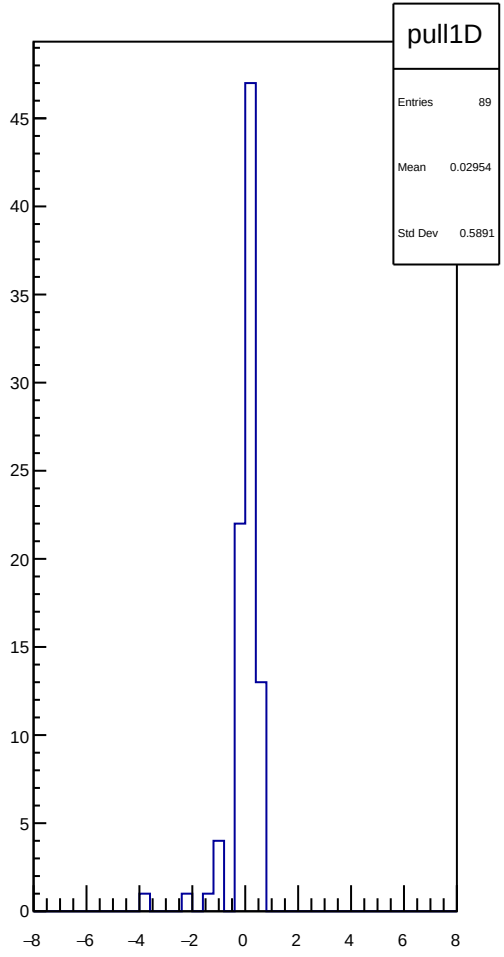

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 34.84 / 88
p0 17.83 ± 0.2655
pull
Entries 89
Mean −50.49
Std Dev 89.53

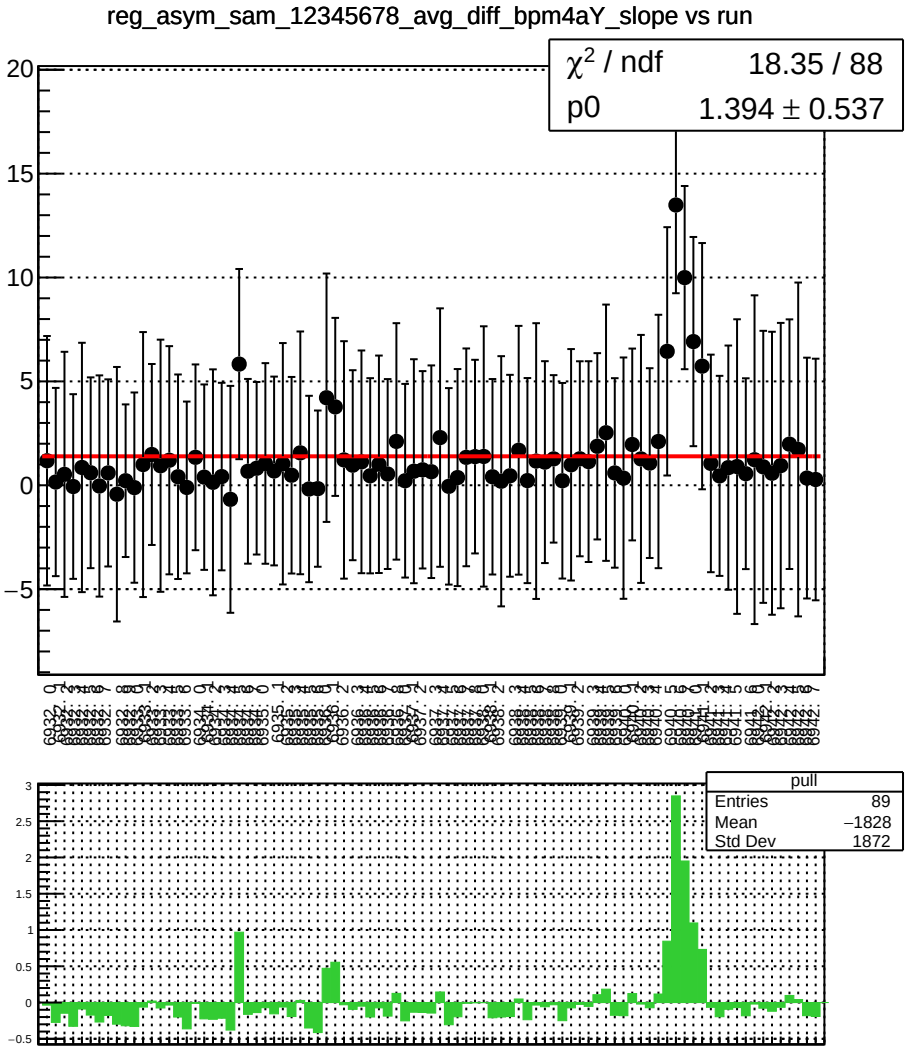

pull1D
Entries 89
Mean 0.03582
Std Dev 0.6246

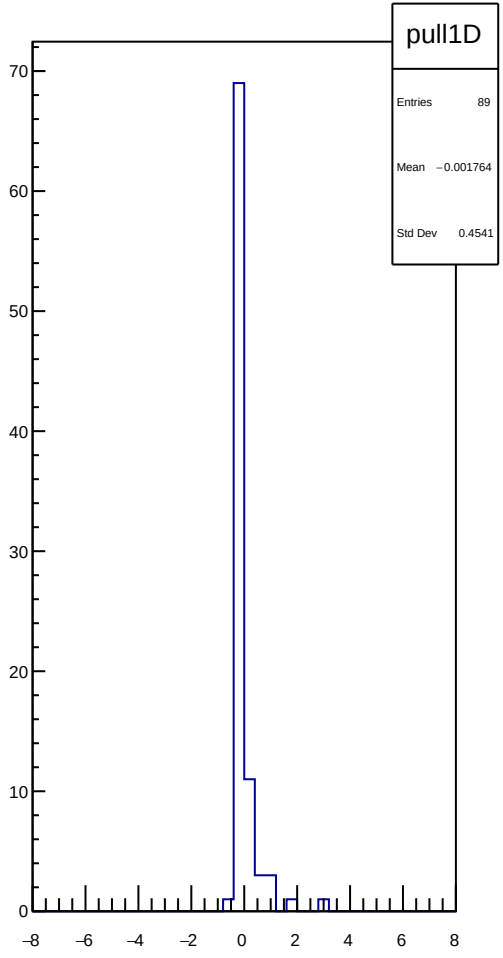

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.33 / 88
p0 −6.004 ± 0.225
pull
Entries 89
Mean −348
Std Dev 394.2
pull1D
Entries 89
Mean −0.006353
Std Dev 0.387

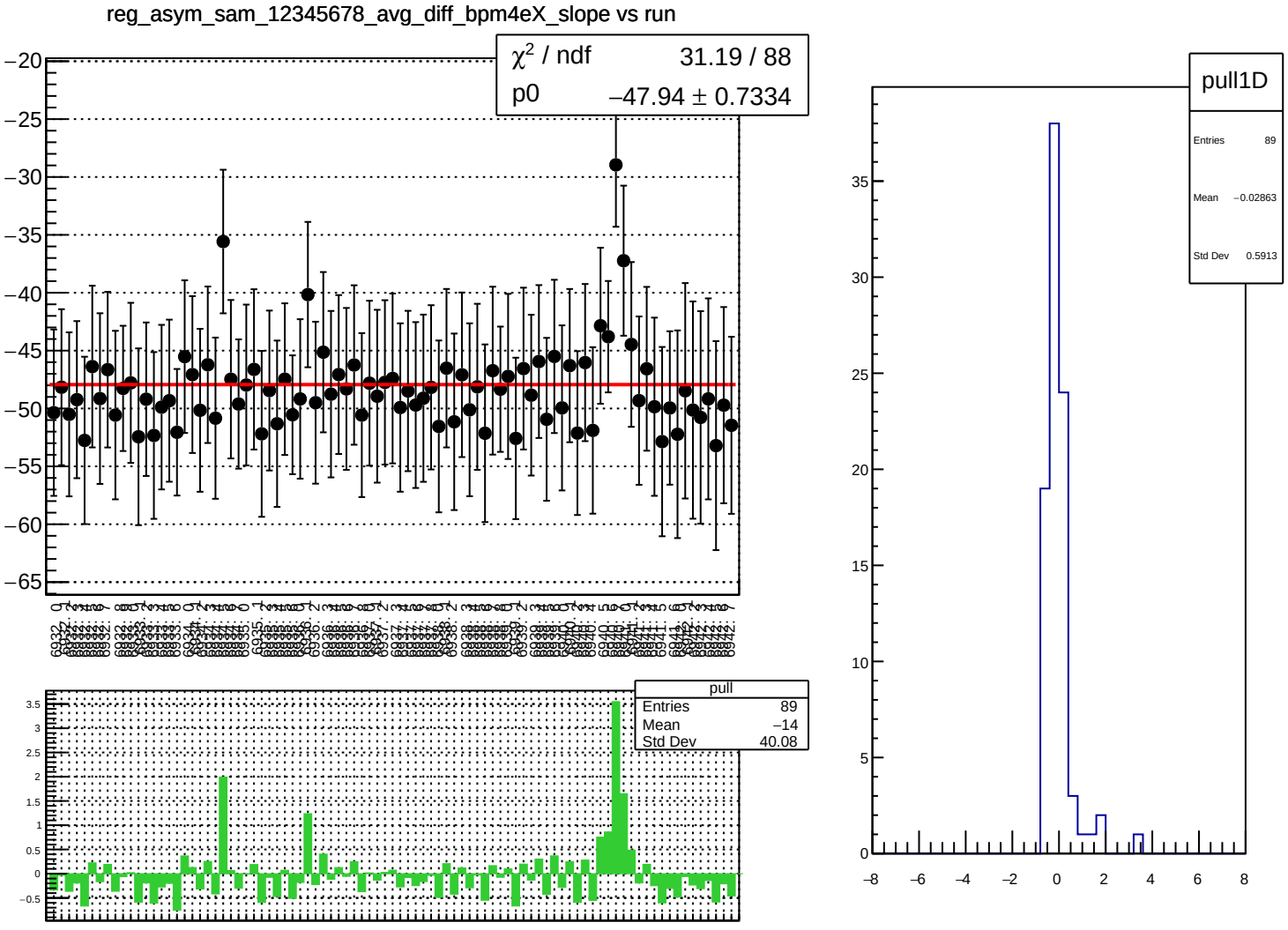

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.942 / 88
p0 0.04216 ± 0.009317
pull
Entries 89
Mean 3035
Std Dev 2984
pull1D
Entries 89
Mean 0.0002241
Std Dev 0.1818

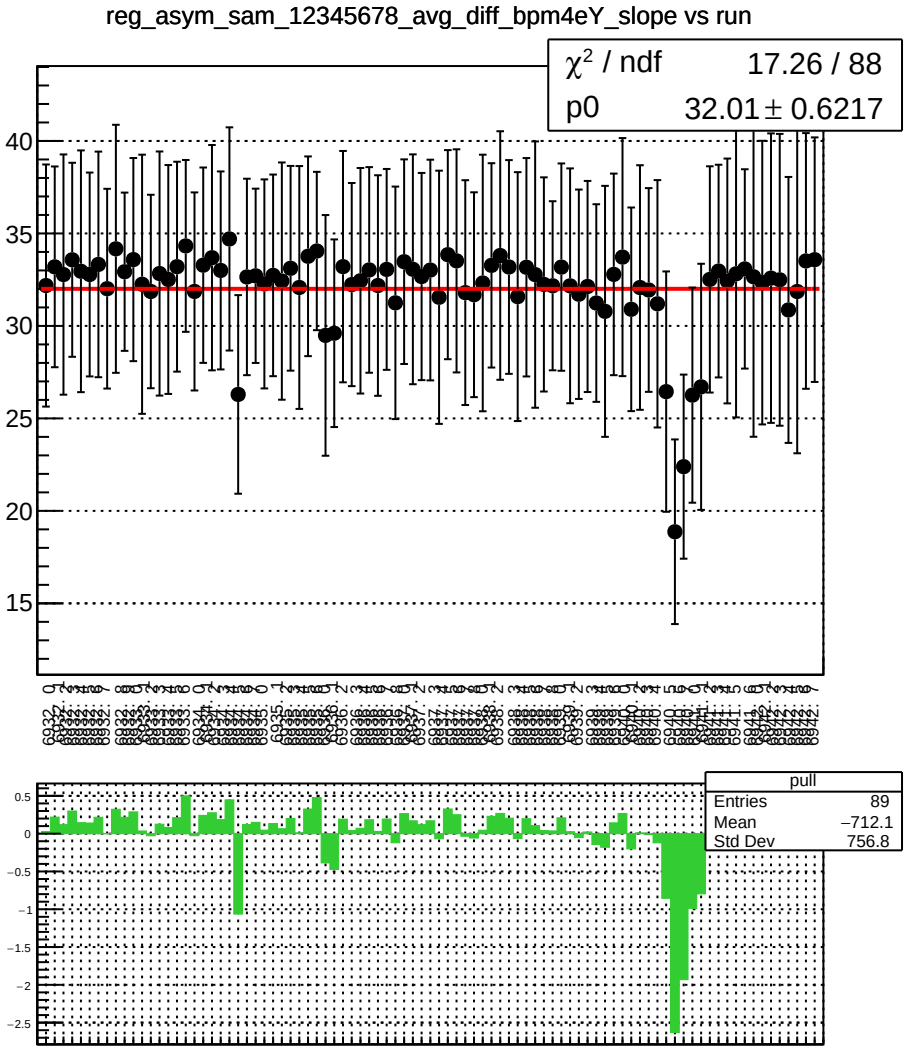

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 30.96 / 88
p0 −15.2 ± 0.7891
pull
Entries 89
Mean −9.888
Std Dev 35.19

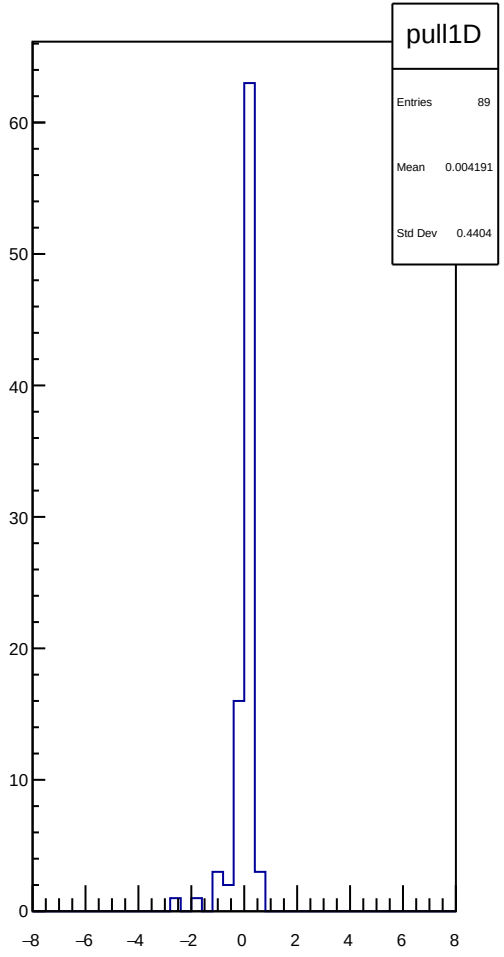

pull1D
Entries 89
Mean 0.02954
Std Dev 0.5891

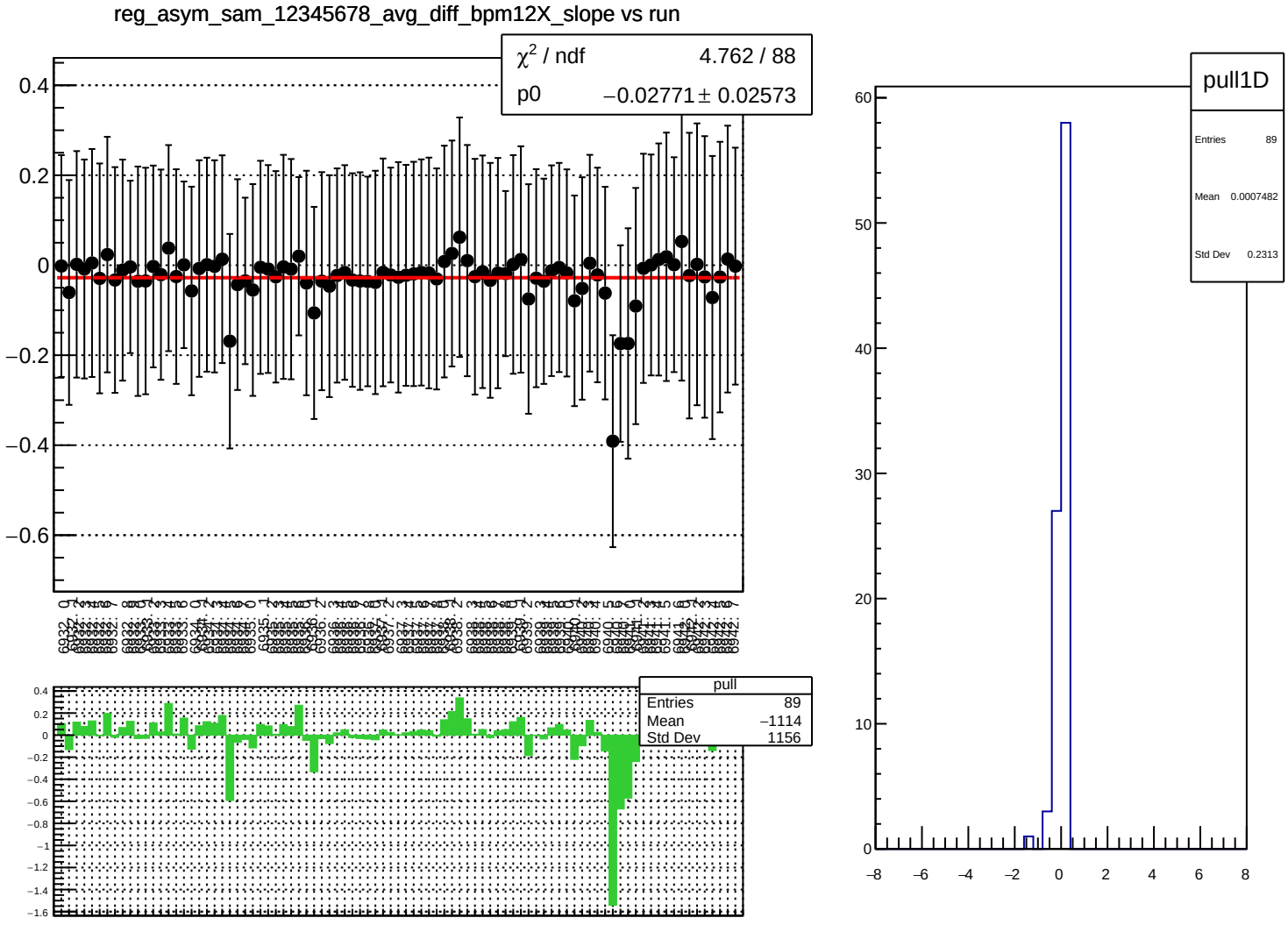

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.35 / 88
p0 1.394 ± 0.537
pull
Entries 89
Mean −1828
Std Dev 1872

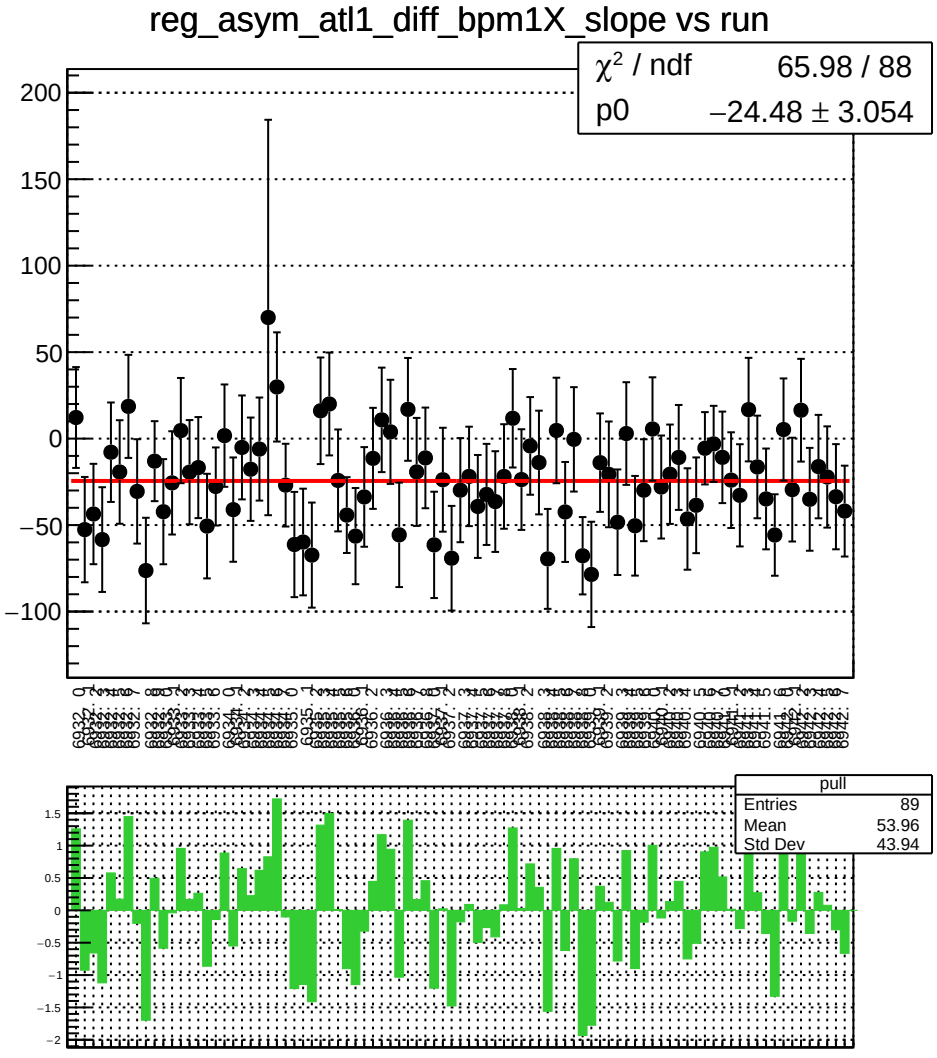

pull1D
Entries 89
Mean −0.001764
Std Dev 0.4541

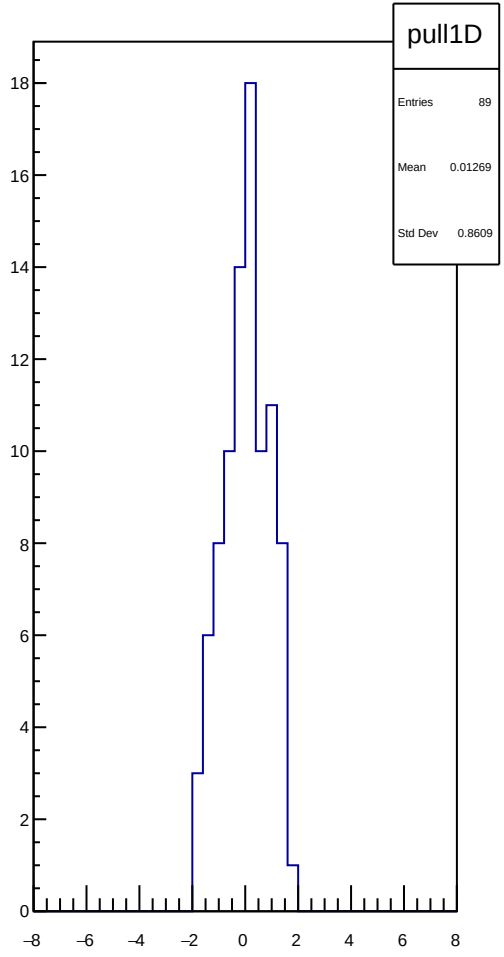

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.19 / 88
p0 −47.94 ± 0.7334
pull
Entries 89
Mean −14
Std Dev 40.08
pull1D
Entries 89
Mean −0.02863
Std Dev 0.5913

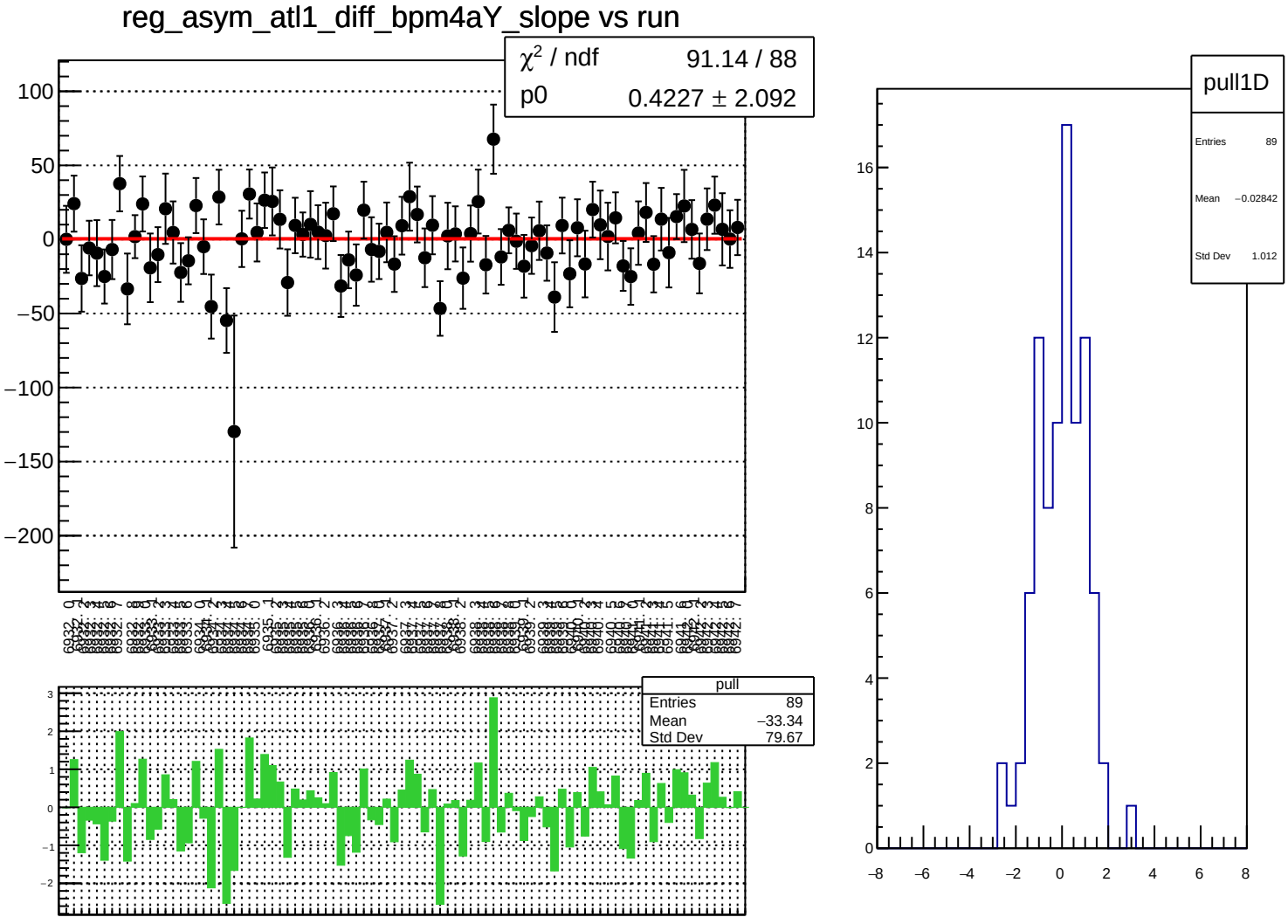

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 17.26 / 88
p0 32.01 ± 0.6217
pull
Entries 89
Mean −712.1
Std Dev 756.8

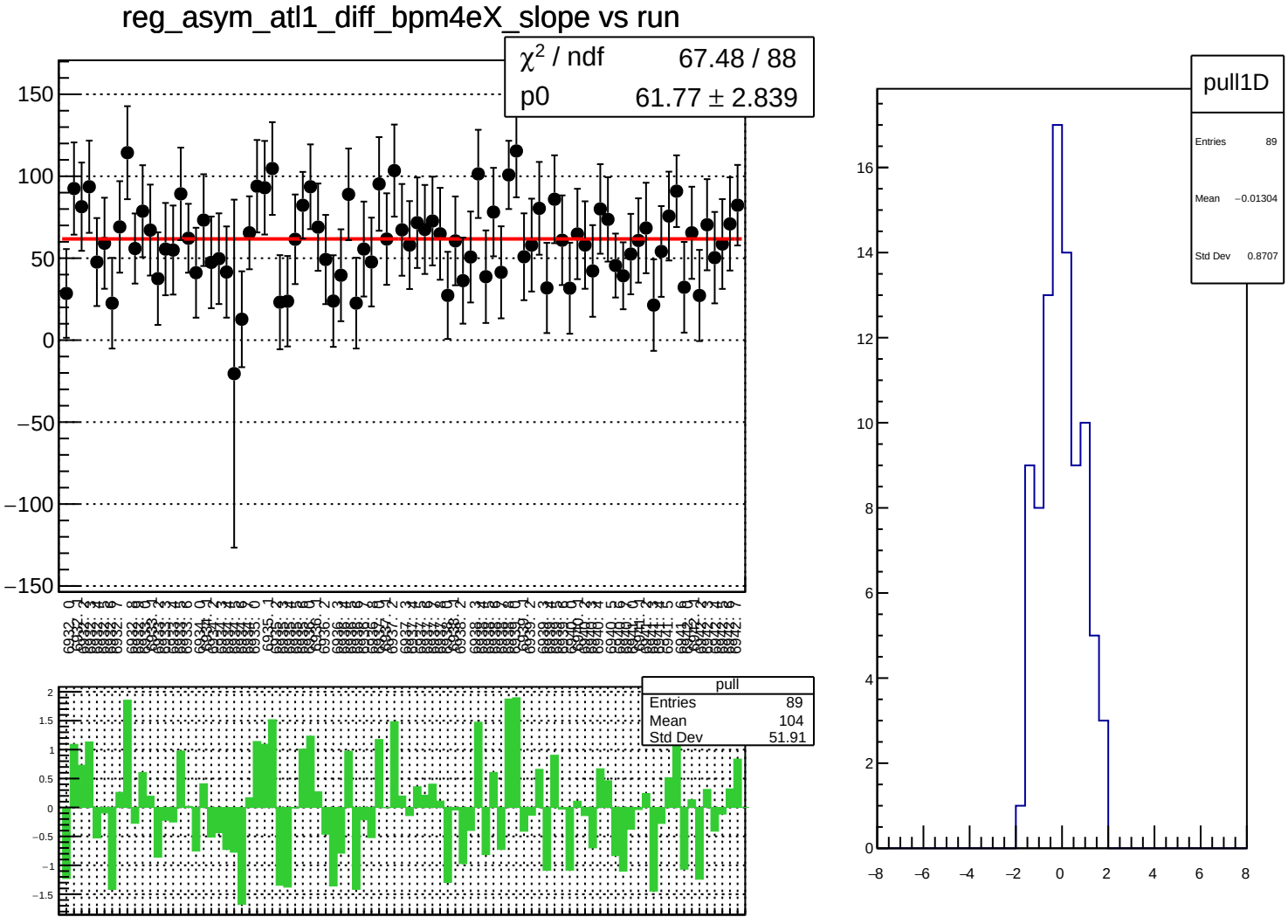

pull1D
Entries 89
Mean 0.004191
Std Dev 0.4404

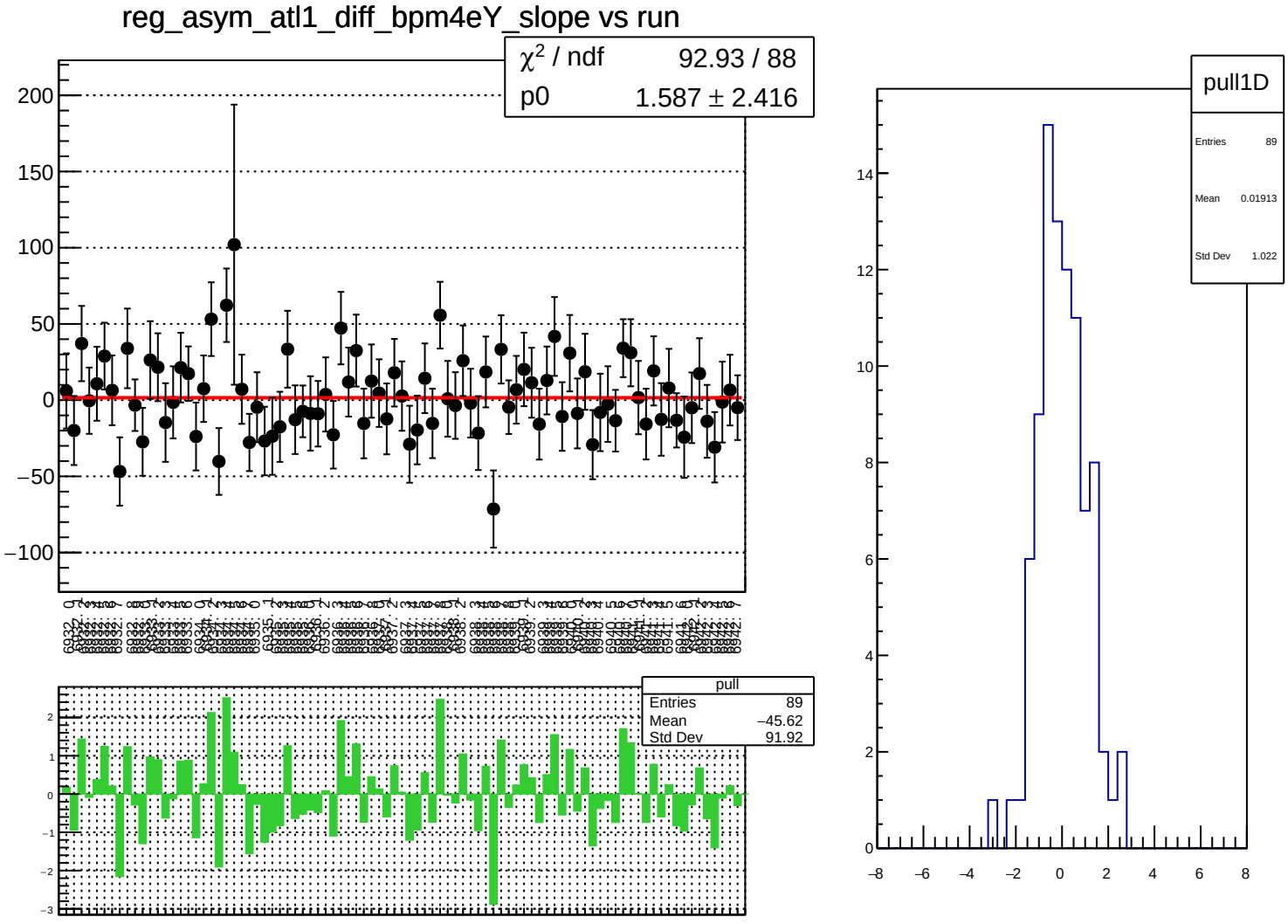

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 4.762 / 88
p0 −0.02771 ± 0.02573
pull
Entries 89
Mean −1114
Std Dev 1156
pull1D
Entries 89
Mean 0.0007482
Std Dev 0.2313

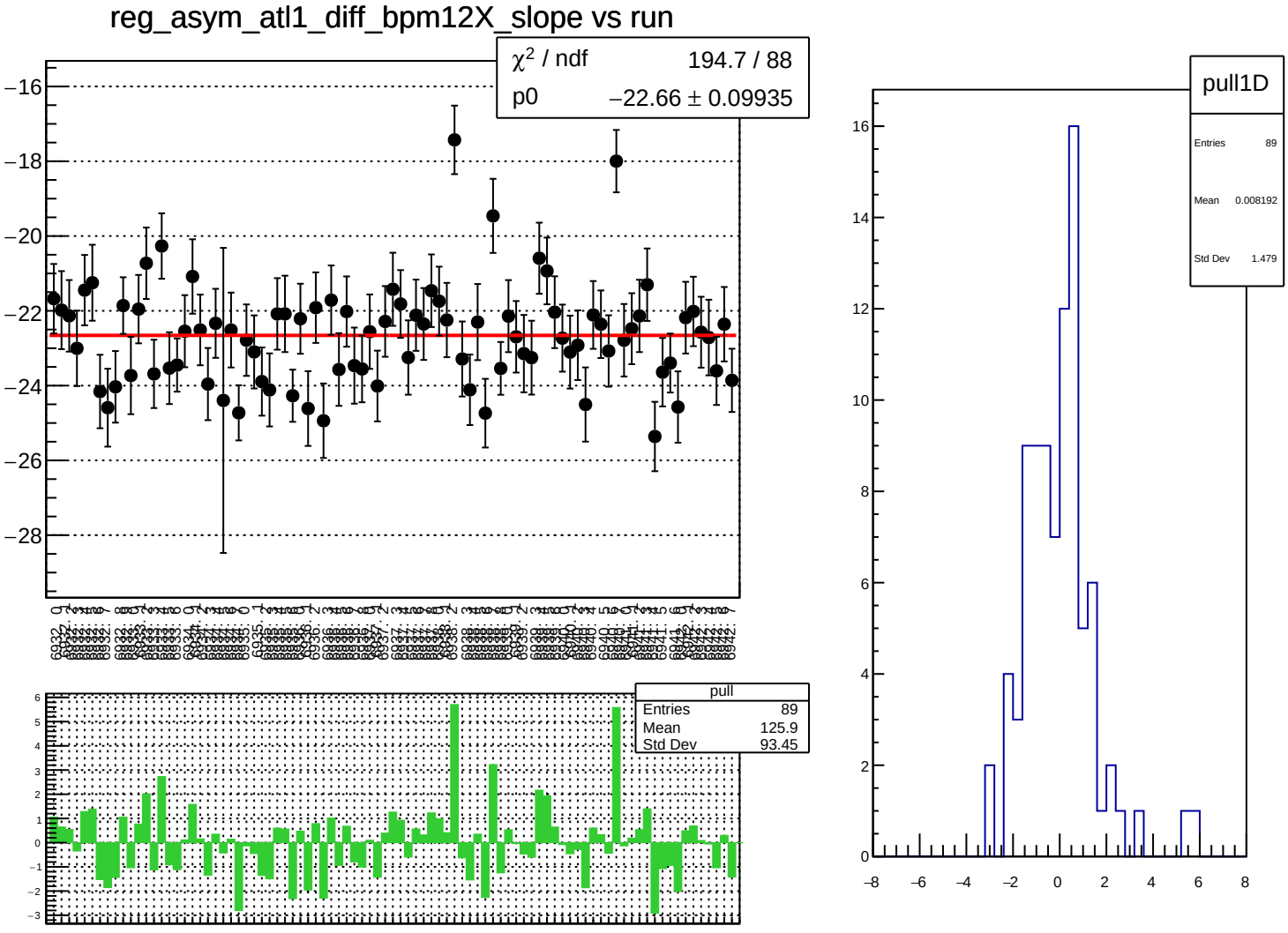

reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 65.98 / 88
p0 −24.48 ± 3.054
pull
Entries 89
Mean 53.96
Std Dev 43.94

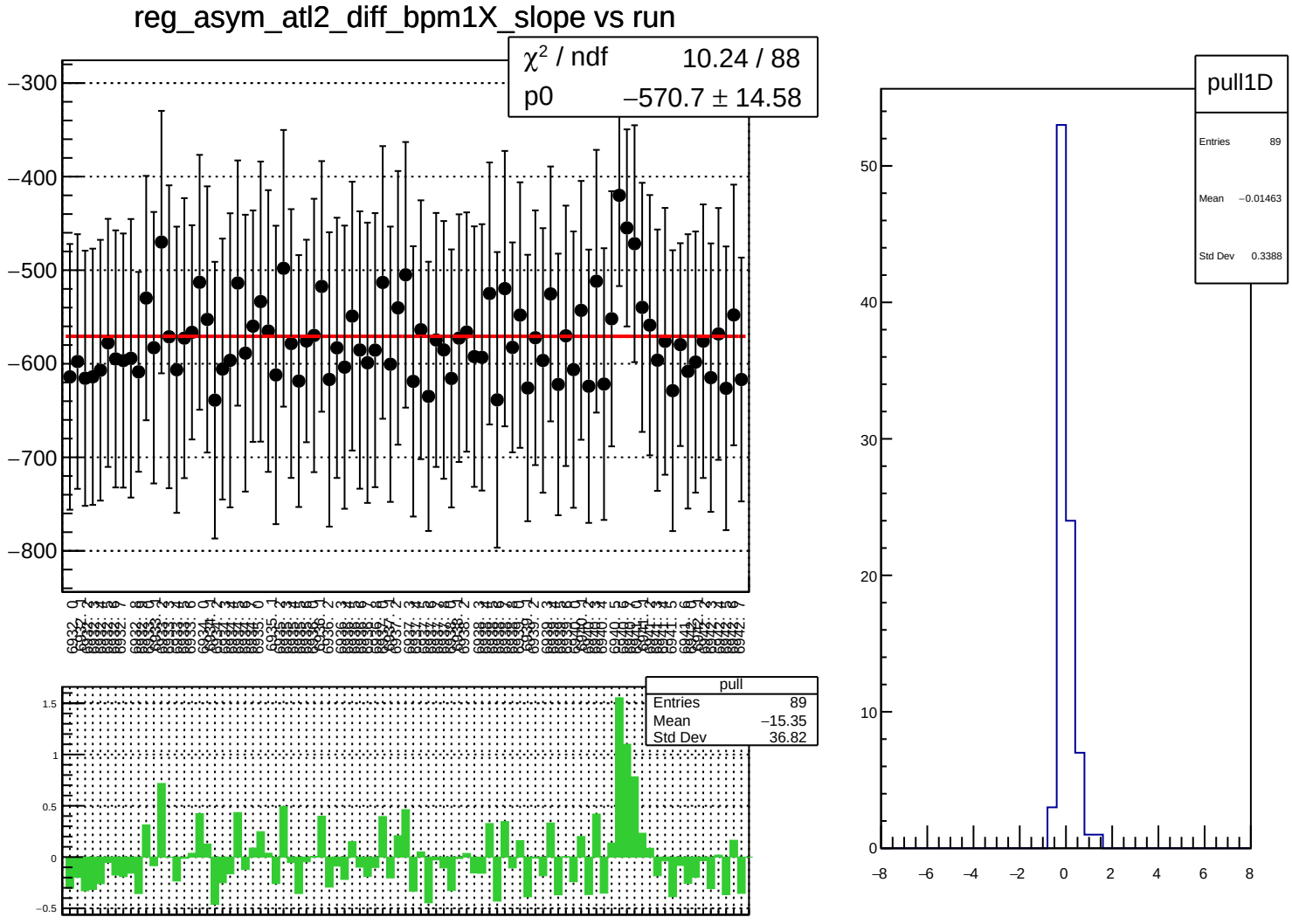

pull1D
Entries 89
Mean 0.01269
Std Dev 0.8609

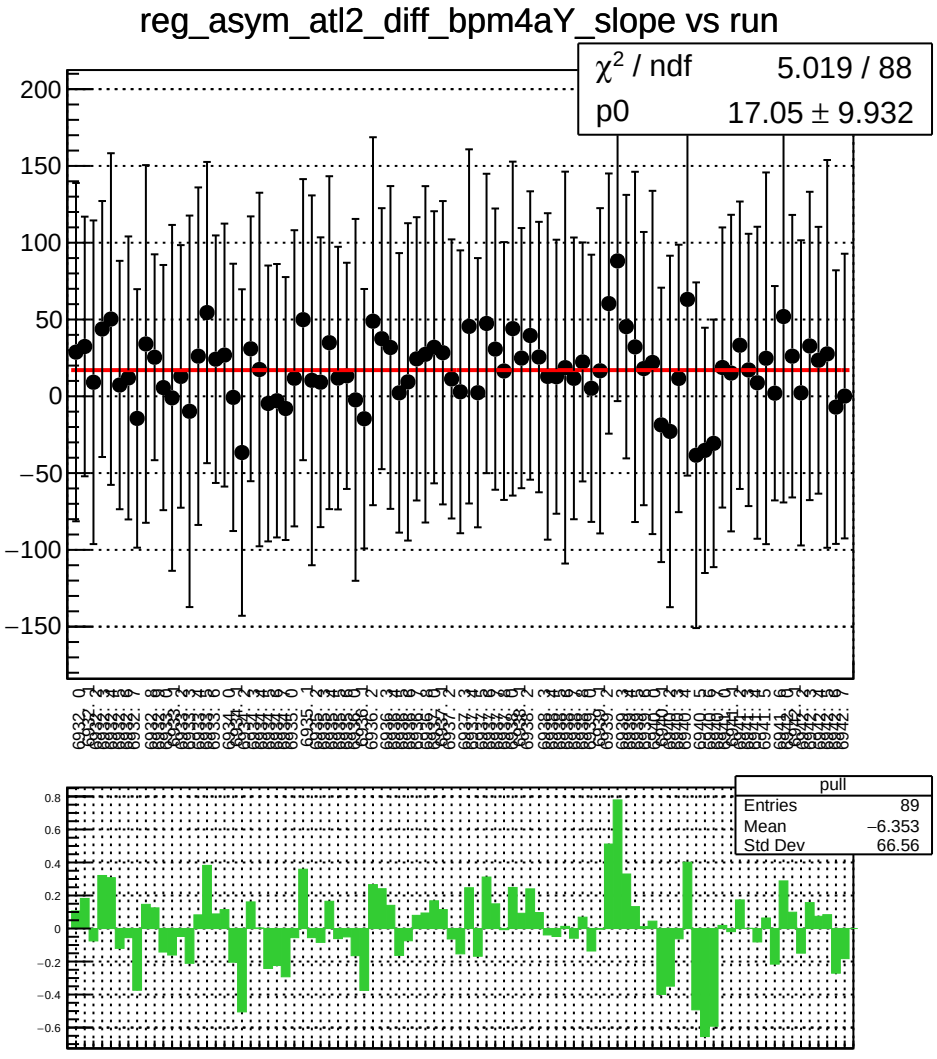

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 91.14 / 88
p0 0.4227 ± 2.092
pull
Entries 89
Mean −33.34
Std Dev 79.67
pull1D
Entries 89
Mean −0.02842
Std Dev 1.012

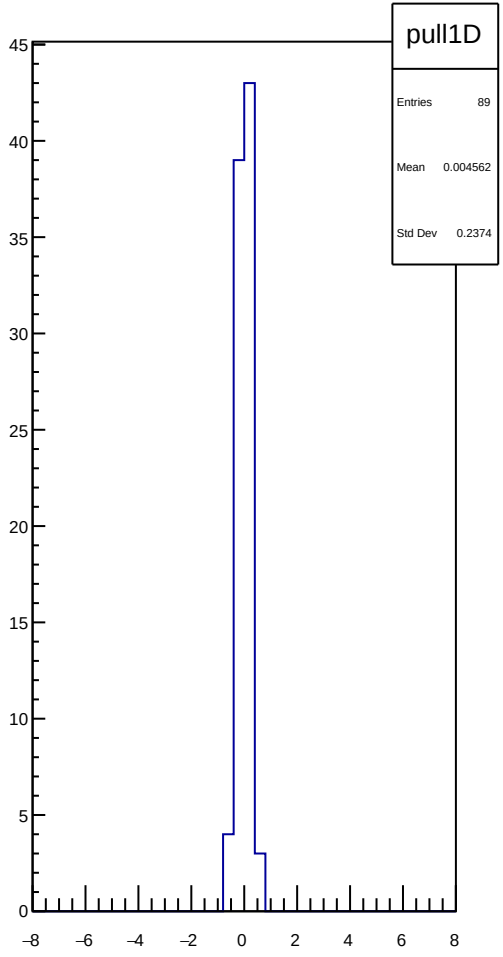

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 67.48 / 88
p0 61.77 ± 2.839
pull
Entries 89
Mean 104
Std Dev 51.91
pull1D
Entries 89
Mean −0.01304
Std Dev 0.8707

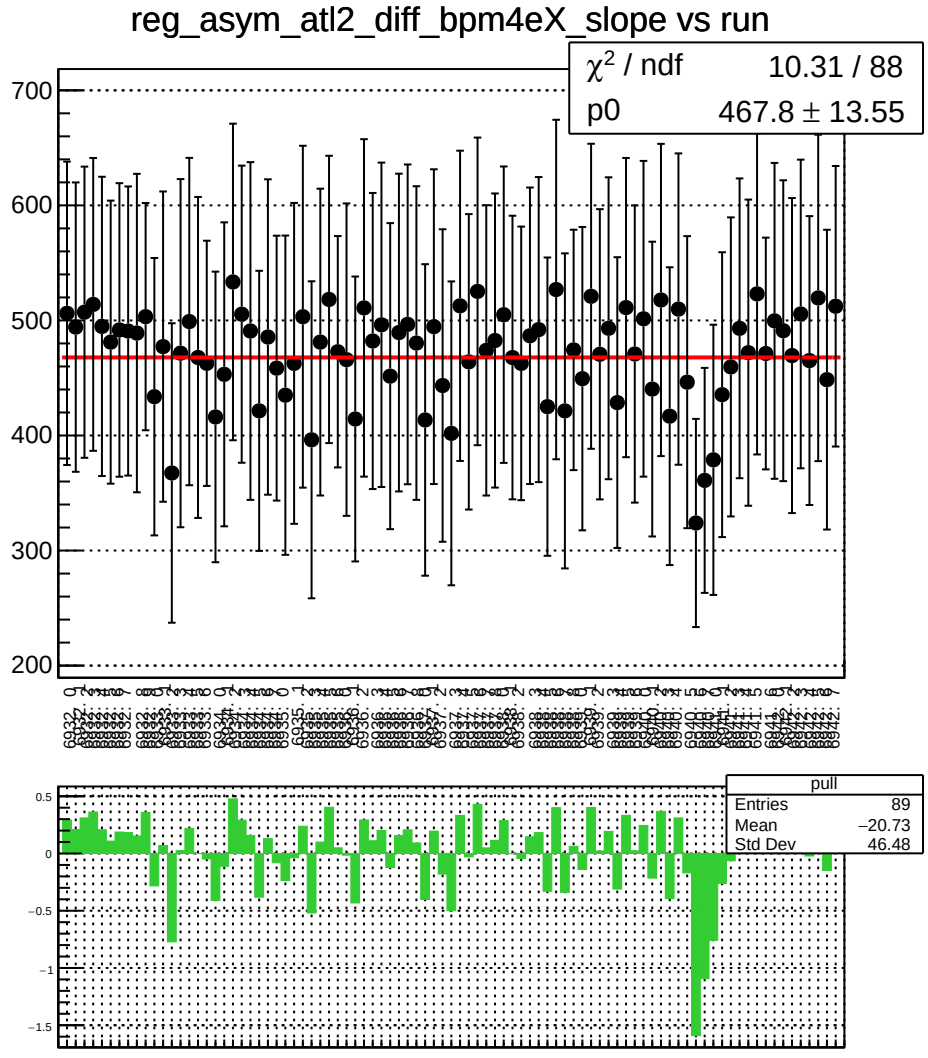

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 92.93 / 88
p0 1.587 ± 2.416
pull
Entries 89
Mean −45.62
Std Dev 91.92
pull1D
Entries 89
Mean 0.01913
Std Dev 1.022

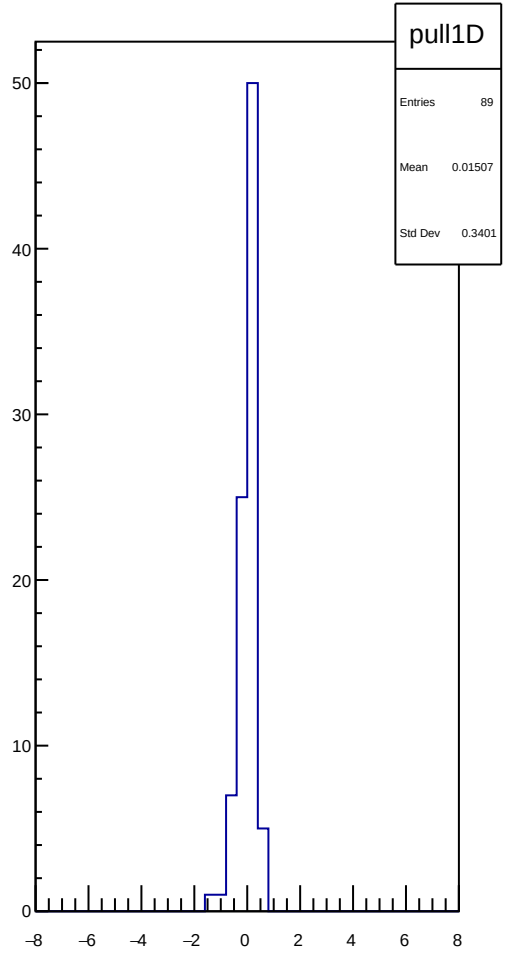

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 194.7 / 88
p0 −22.66 ± 0.09935
pull
Entries 89
Mean 125.9
Std Dev 93.45
pull1D
Entries 89
Mean 0.008192
Std Dev 1.479

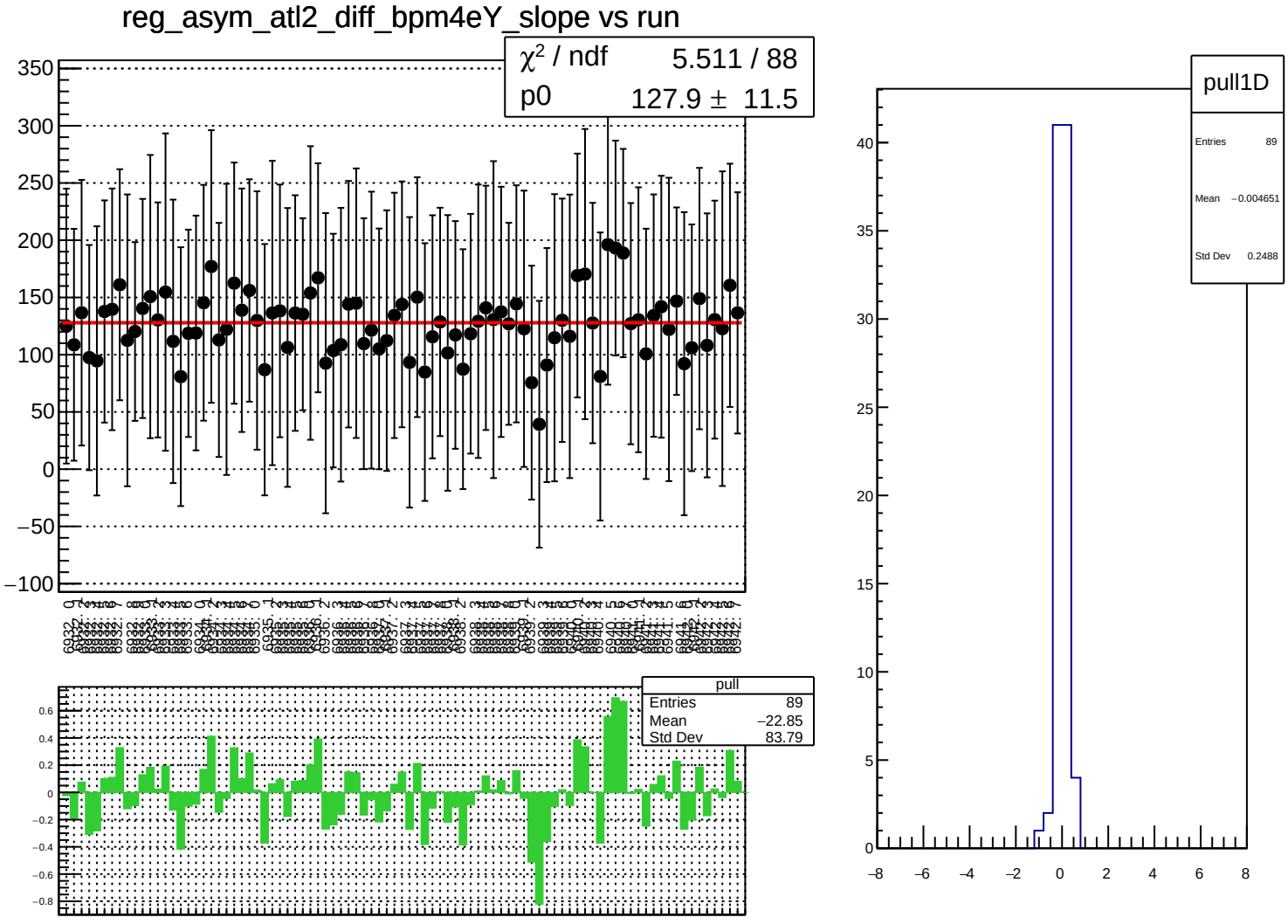

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 10.24 / 88
p0 −570.7 ± 14.58
pull
Entries 89
Mean −15.35
Std Dev 36.82
pull1D
Entries 89
Mean −0.01463
Std Dev 0.3388

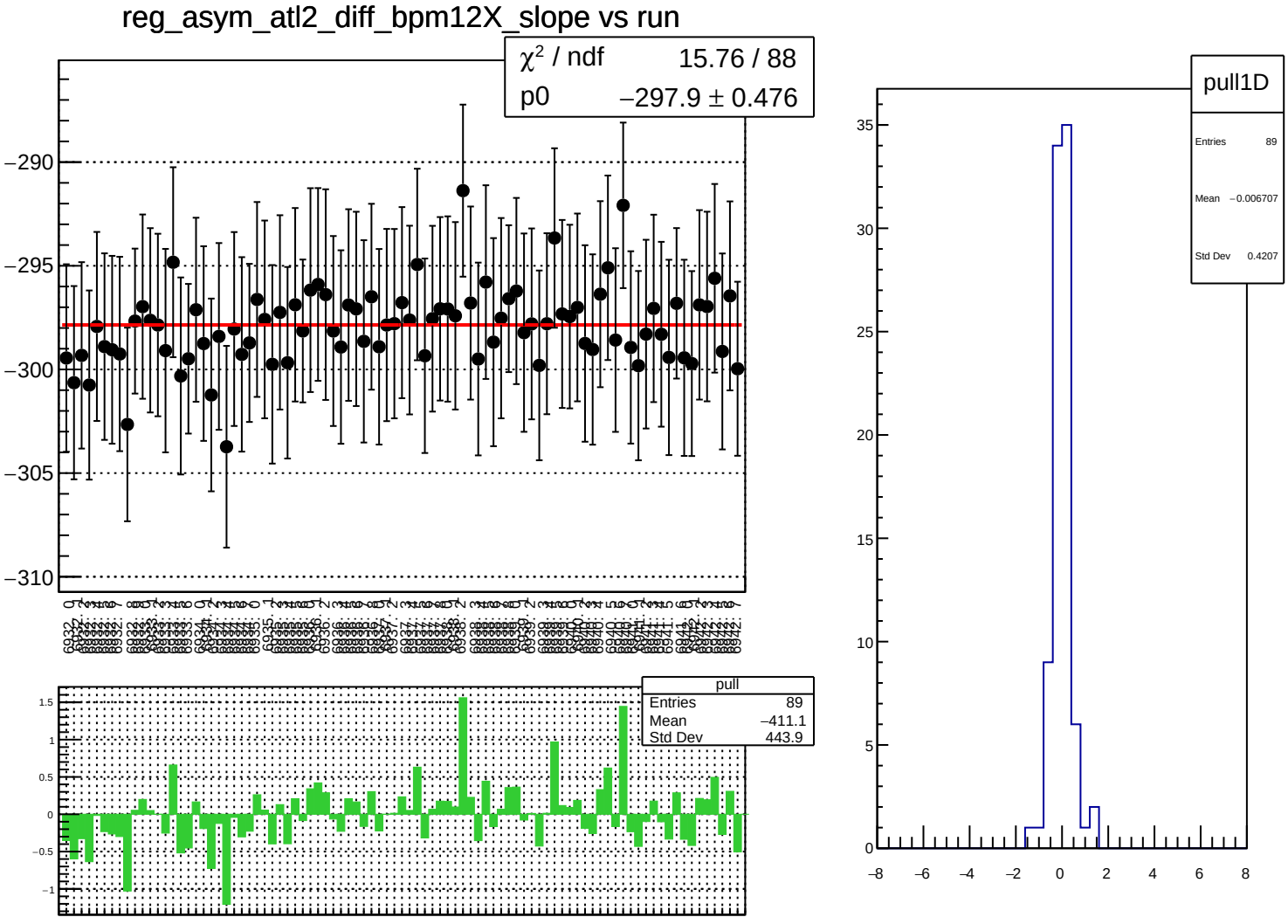

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.019 / 88
p0 17.05 ± 9.932
pull
Entries 89
Mean −6.353
Std Dev 66.56

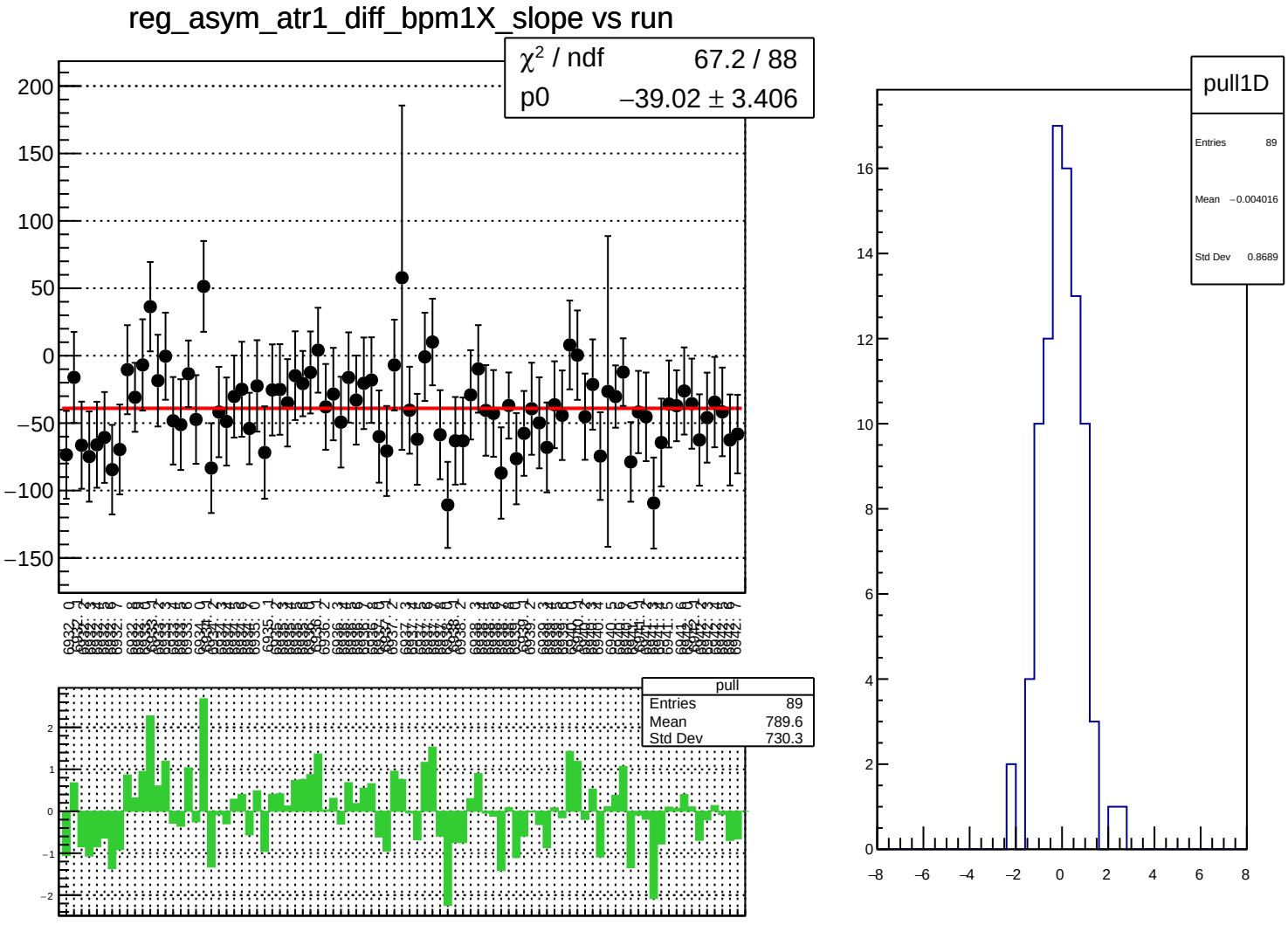

pull1D
Entries 89
Mean 0.004562
Std Dev 0.2374

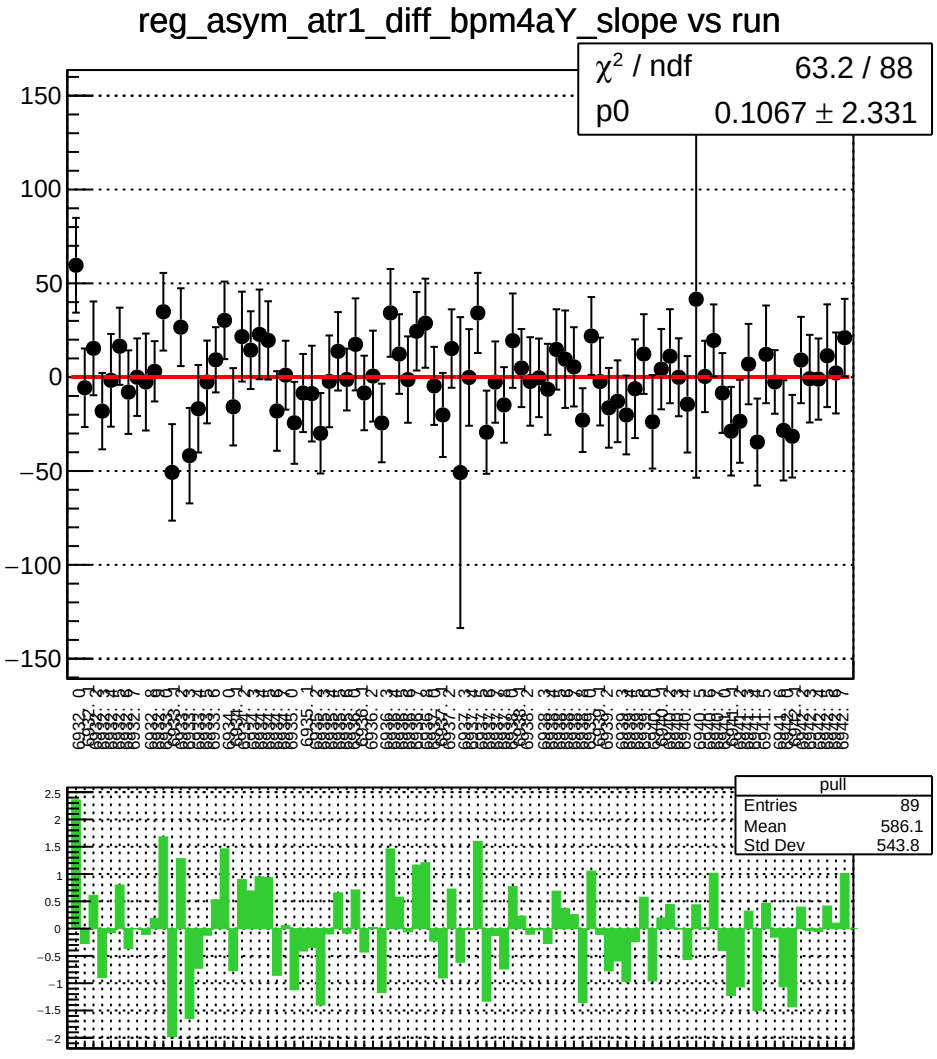

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 10.31 / 88
p0 467.8 ± 13.55
700
600
500
400
300
200
pull
Entries 89
Mean −20.73
Std Dev 46.48
0.5
0
−0.5
−1
−1.5

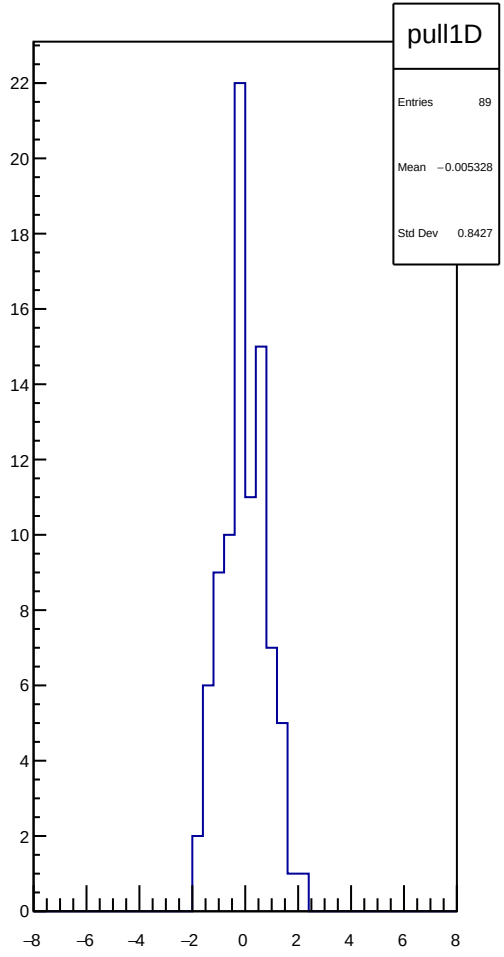

pull1D
Entries 89
Mean 0.01507
Std Dev 0.3401
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

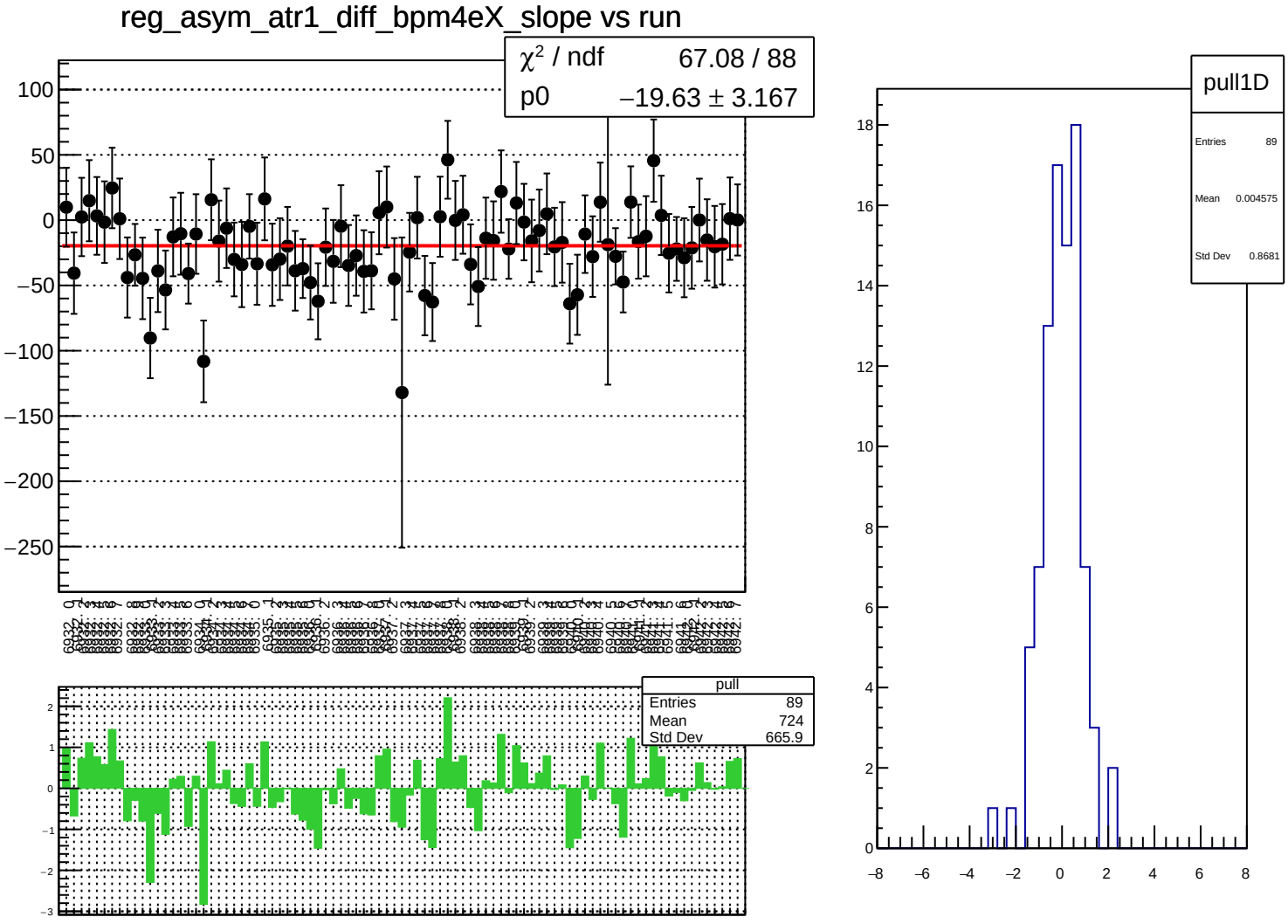

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.511 / 88
p0 127.9 ± 11.5
pull
Entries 89
Mean −22.85
Std Dev 83.79
pull1D
Entries 89
Mean −0.004651
Std Dev 0.2488

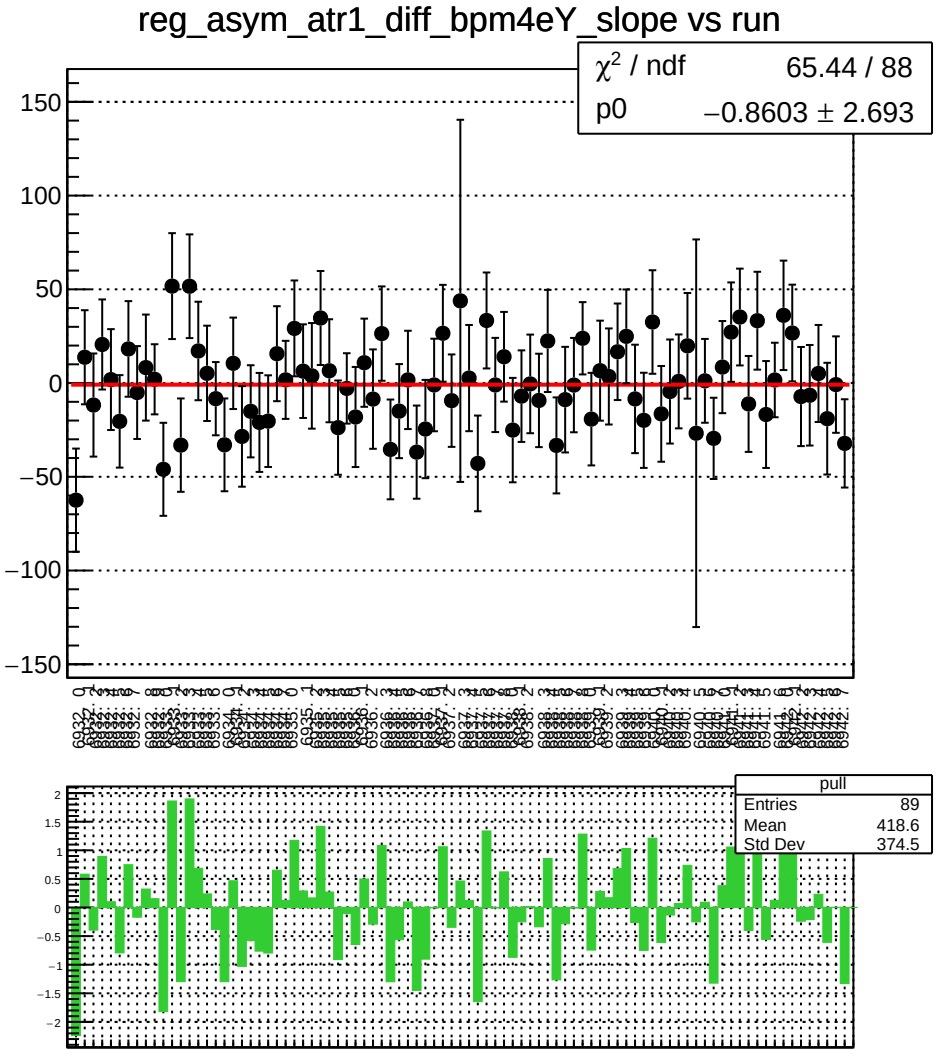

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 15.76 / 88
p0 −297.9 ± 0.476
−290
−295
−300
−305
−310
pull
Entries 89
Mean −411.1
Std Dev 443.9
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean −0.006707
Std Dev 0.4207
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

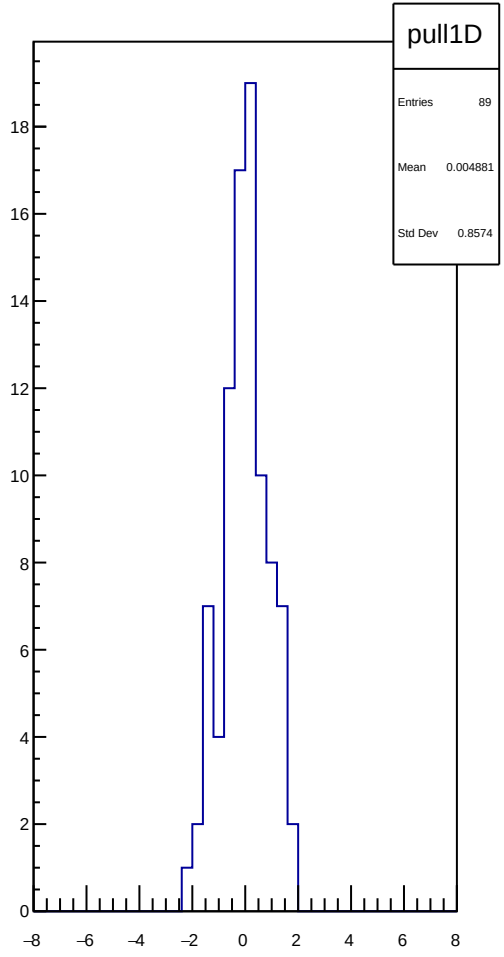

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 67.2 / 88
p0 −39.02 ± 3.406
pull
Entries 89
Mean 789.6
Std Dev 730.3
pull1D
Entries 89
Mean −0.004016
Std Dev 0.8689

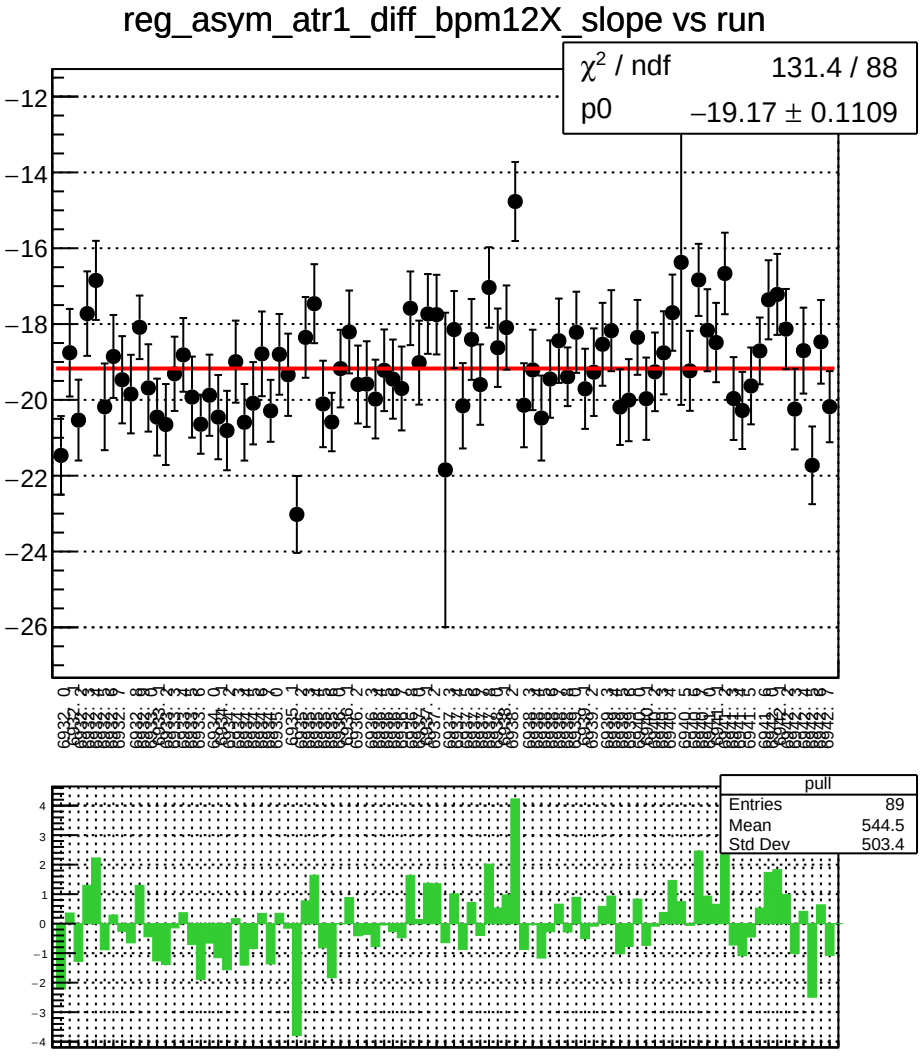

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 63.2 / 88
p0 0.1067 ± 2.331
pull
Entries 89
Mean 586.1
Std Dev 543.8

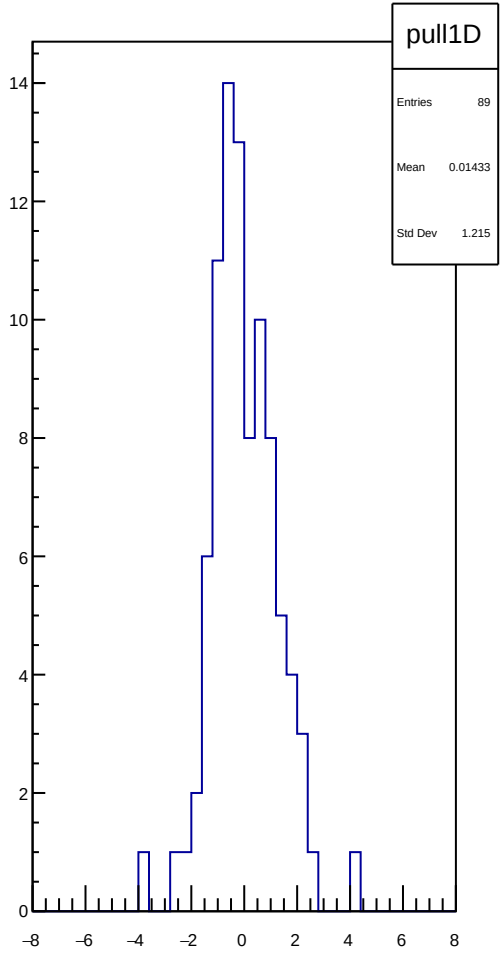

pull1D
Entries 89
Mean −0.005328
Std Dev 0.8427

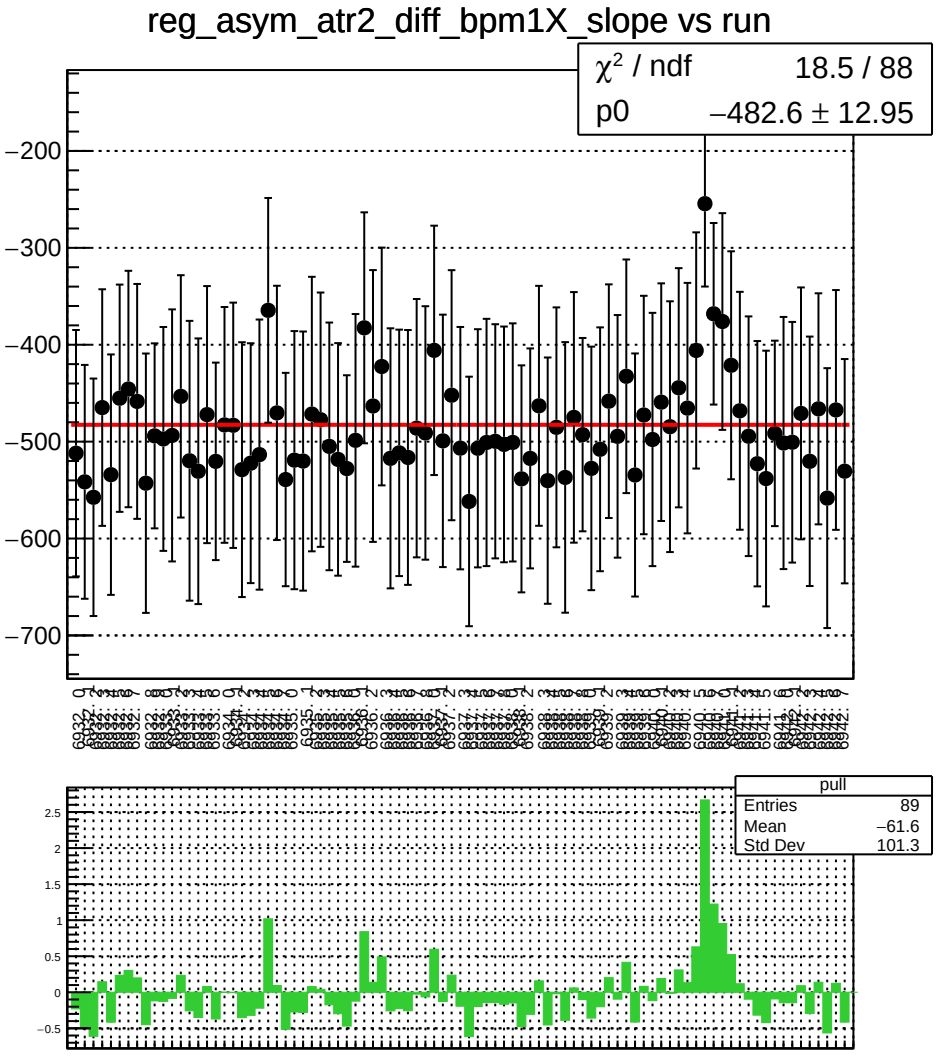

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 67.08 / 88
p0 −19.63 ± 3.167
pull
Entries 89
Mean 724
Std Dev 665.9
pull1D
Entries 89
Mean 0.004575
Std Dev 0.8681

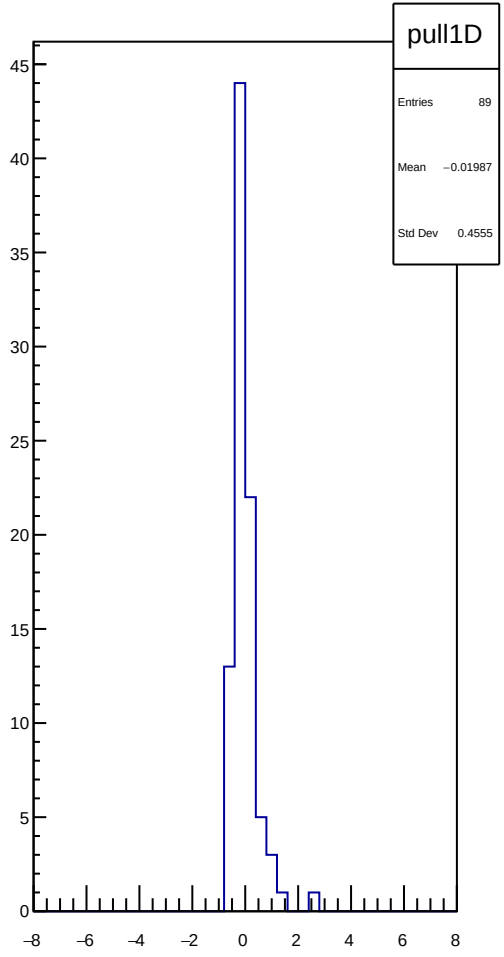

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 65.44 / 88
p0 −0.8603 ± 2.693
pull
Entries 89
Mean 418.6
Std Dev 374.5

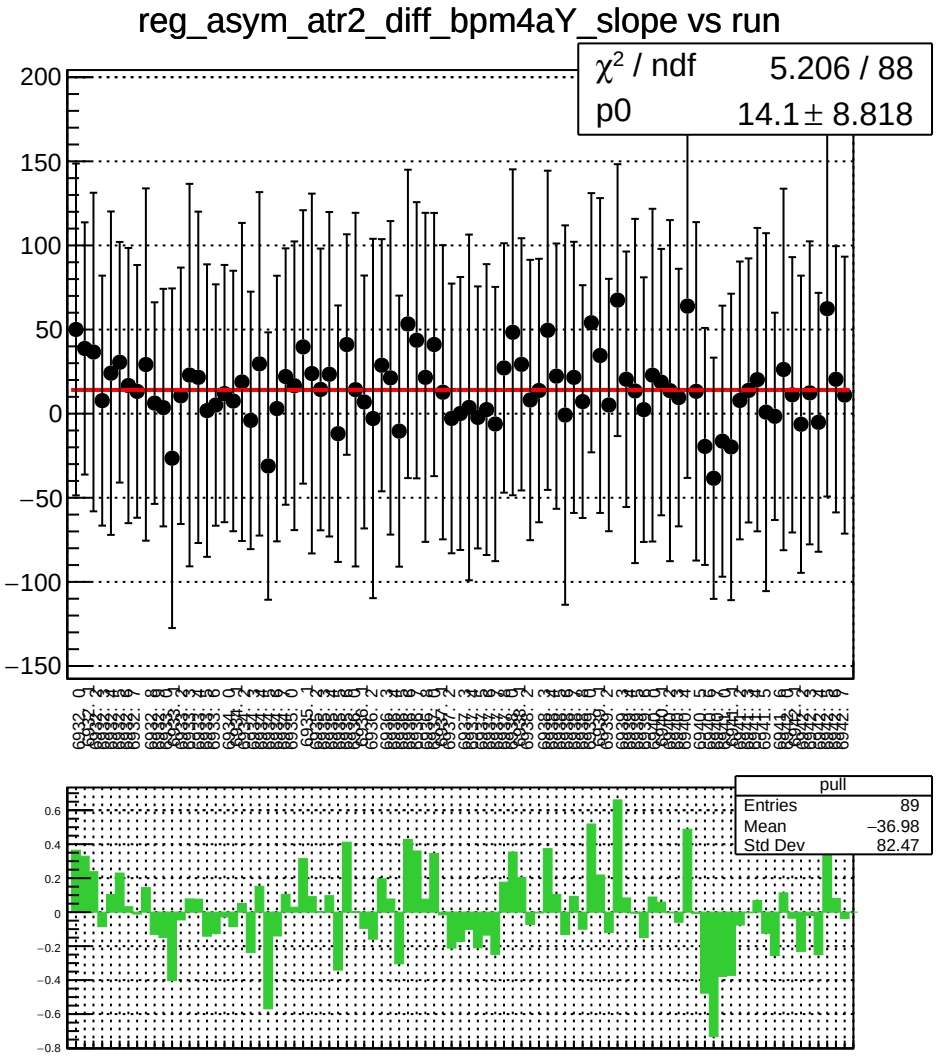

pull1D
Entries 89
Mean 0.004881
Std Dev 0.8574

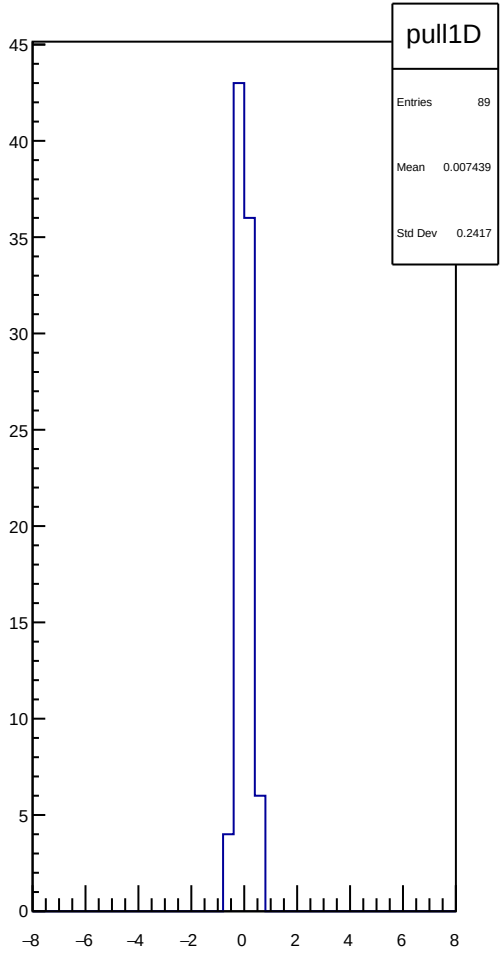

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 131.4 / 88
p0 −19.17 ± 0.1109
pull
Entries 89
Mean 544.5
Std Dev 503.4

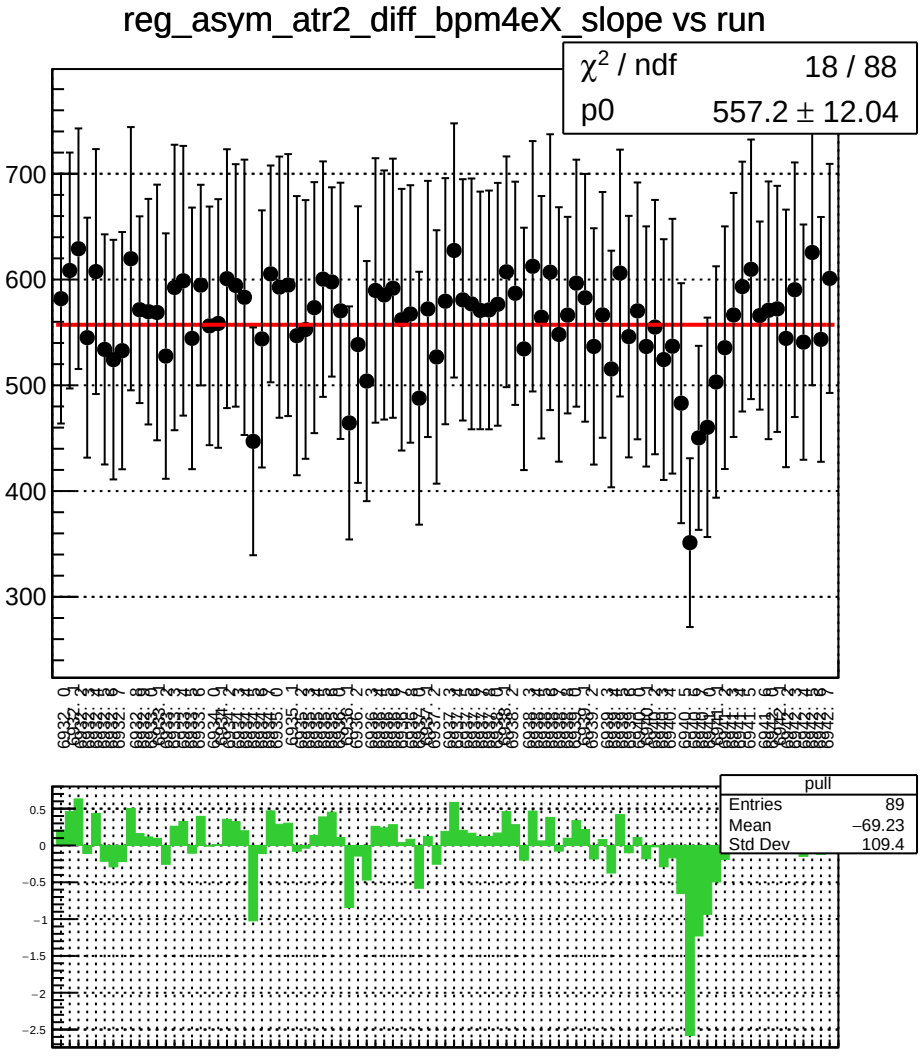

pull1D
Entries 89
Mean 0.01433
Std Dev 1.215

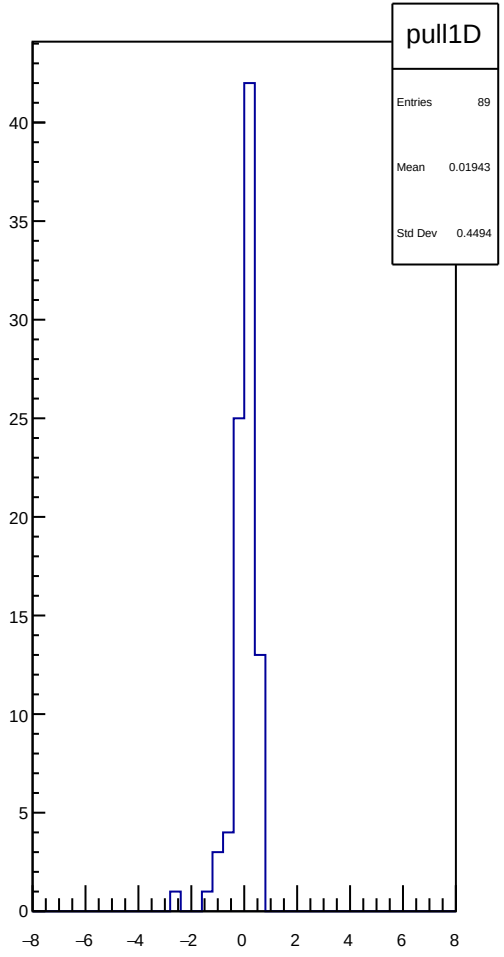

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 18.5 / 88
p0 −482.6 ± 12.95
pull
Entries 89
Mean −61.6
Std Dev 101.3

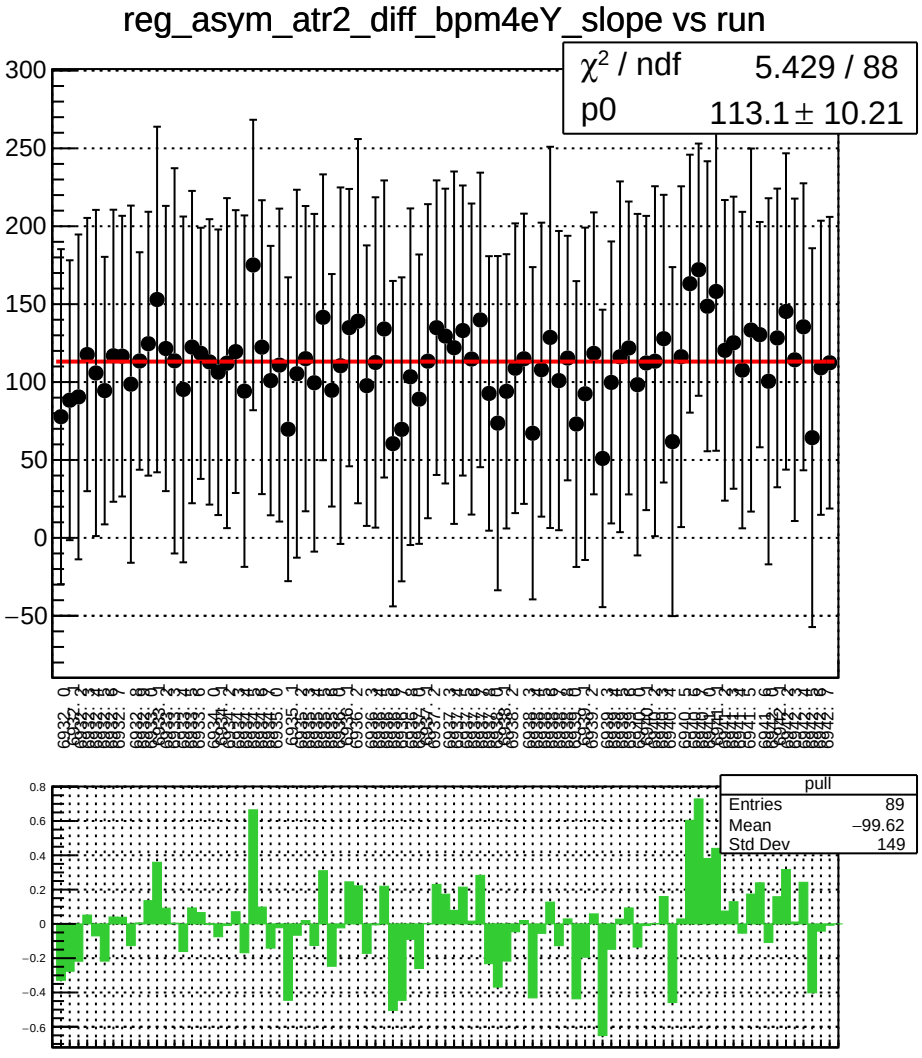

pull1D
Entries 89
Mean −0.01987
Std Dev 0.4555

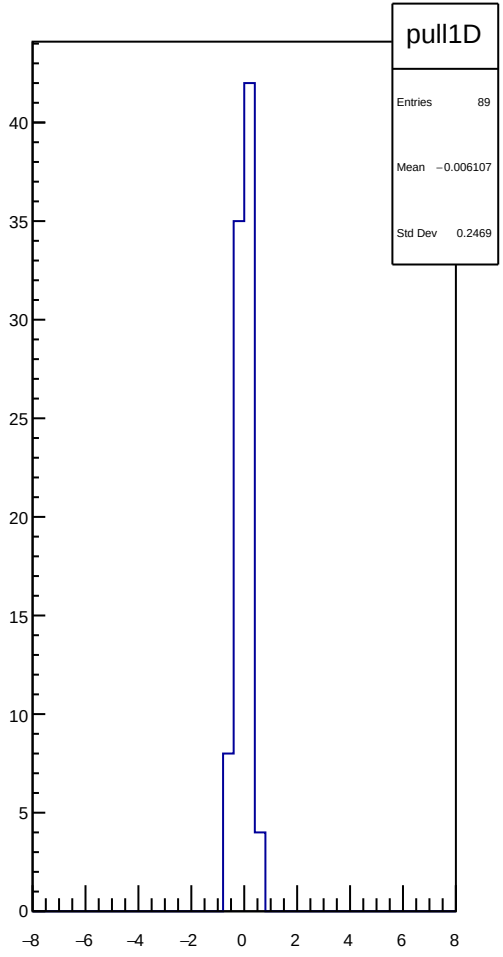

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.206 / 88
p0 14.1 ± 8.818
pull
Entries 89
Mean −36.98
Std Dev 82.47

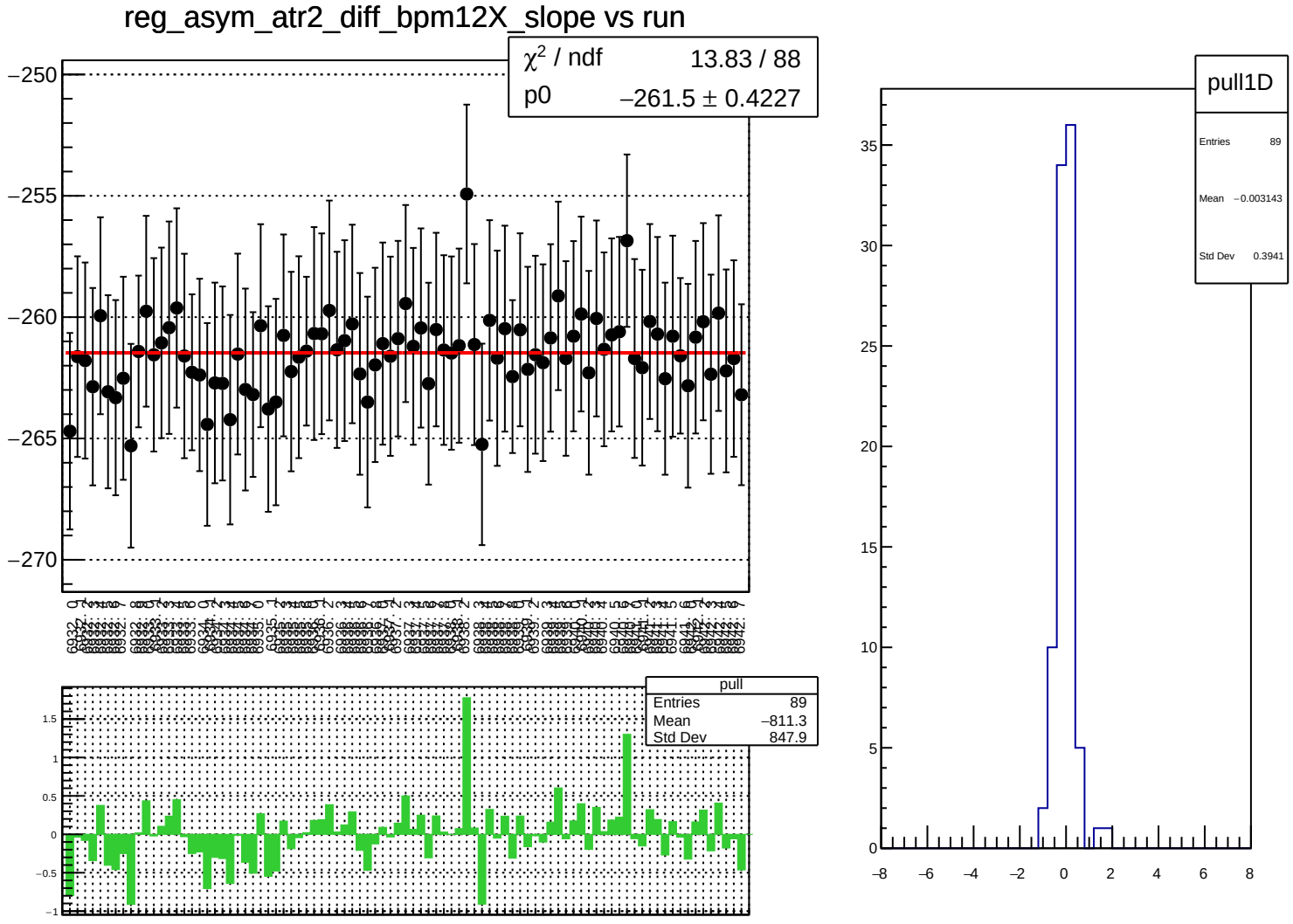

pull1D
Entries 89
Mean 0.007439
Std Dev 0.2417

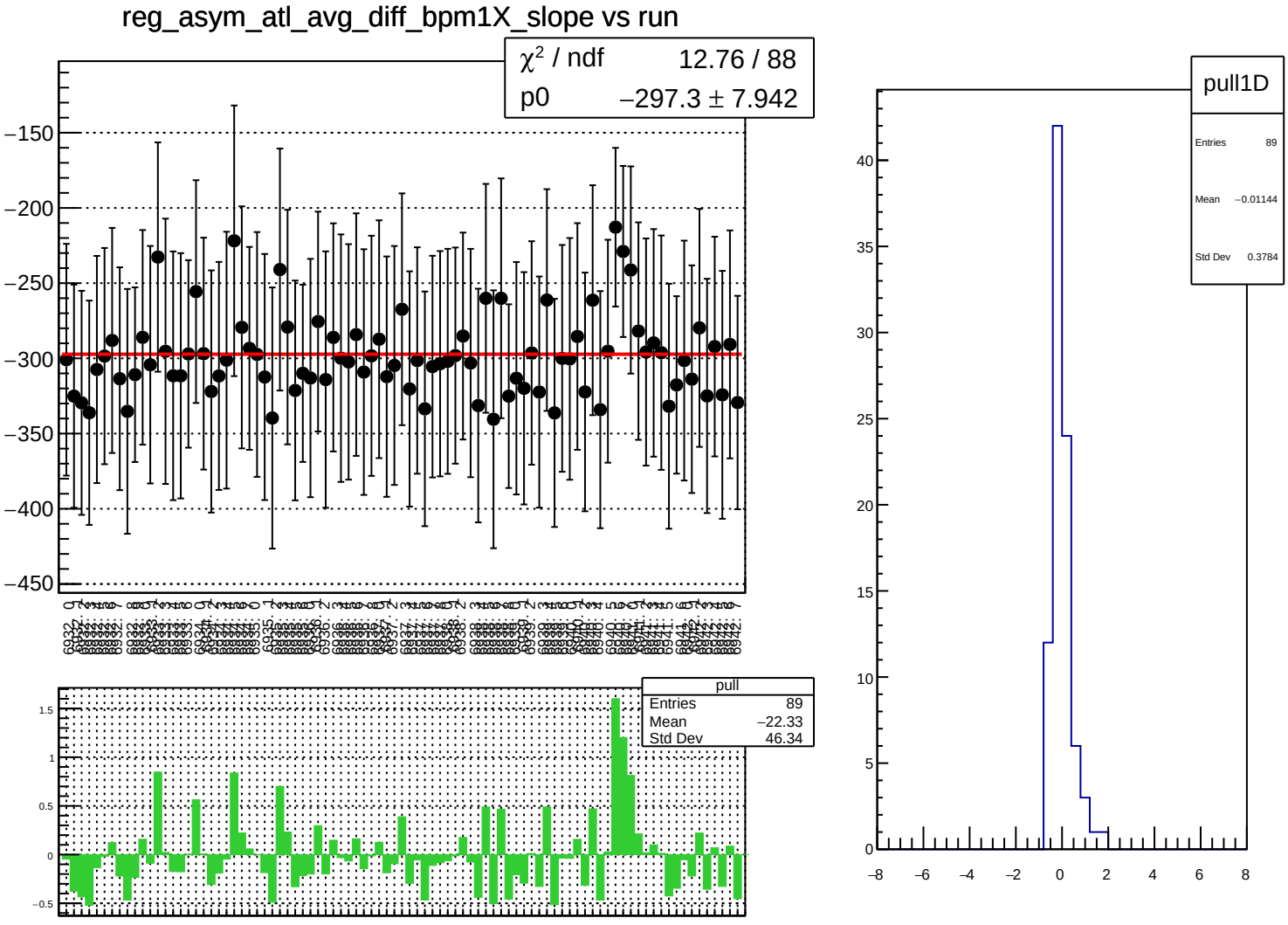

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 18 / 88
p0 557.2 ± 12.04
700
600
500
400
300
pull
Entries 89
Mean −69.23
Std Dev 109.4
0.5
0
−0.5
−1
−1.5
−2
−2.5

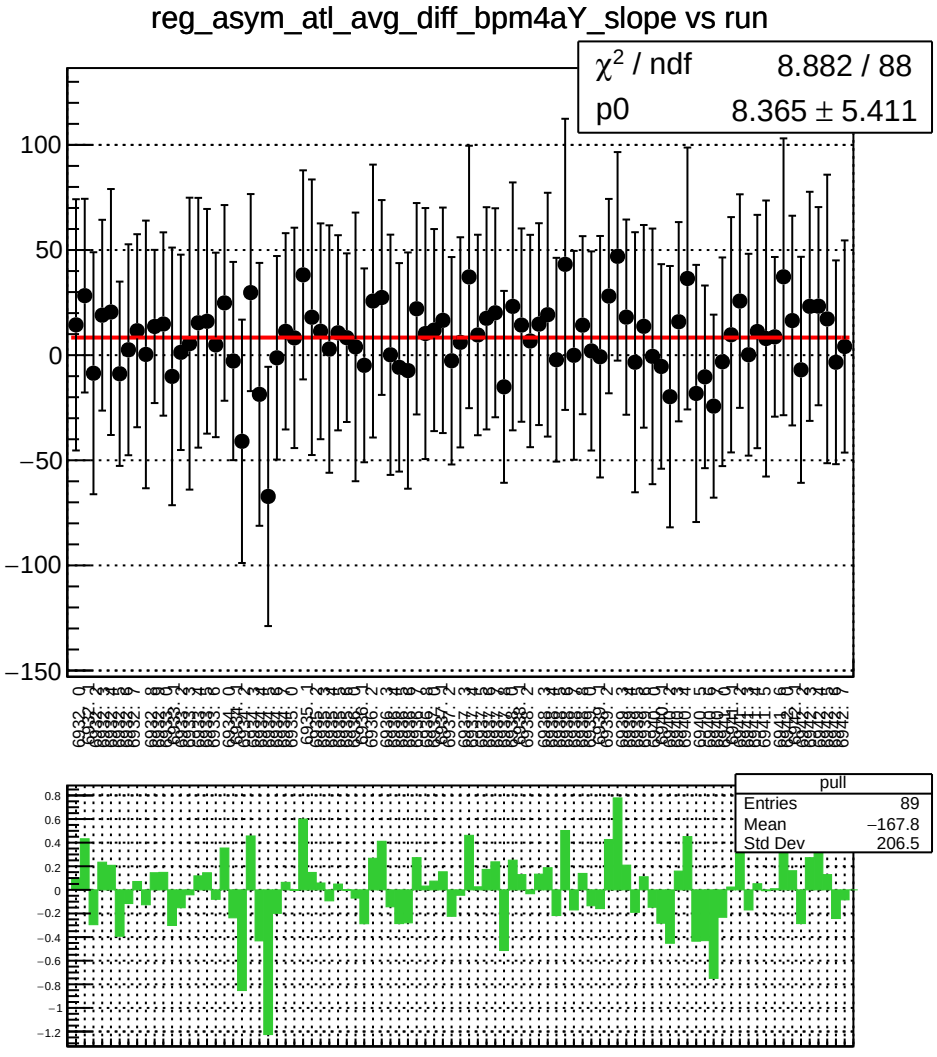

pull1D
Entries 89
Mean 0.01943
Std Dev 0.4494
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

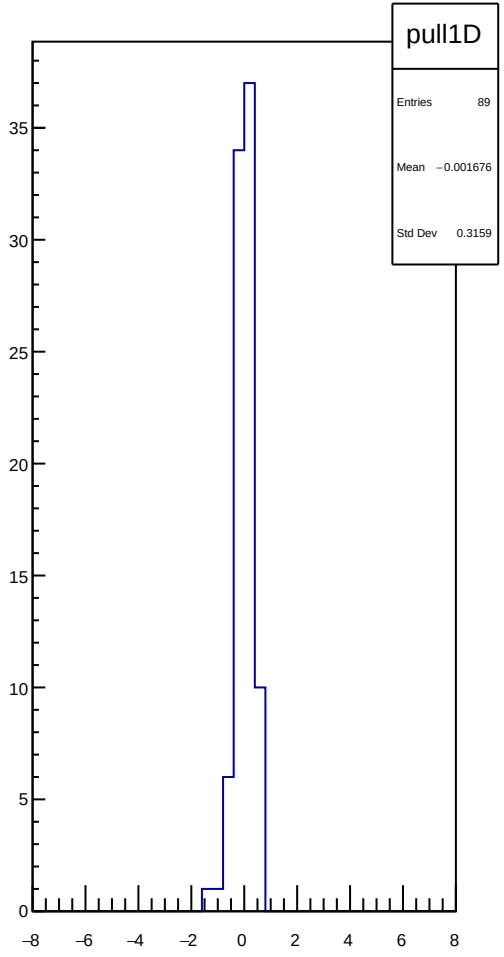

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 5.429 / 88
p0 113.1 ± 10.21
pull
Entries 89
Mean −99.62
Std Dev 149

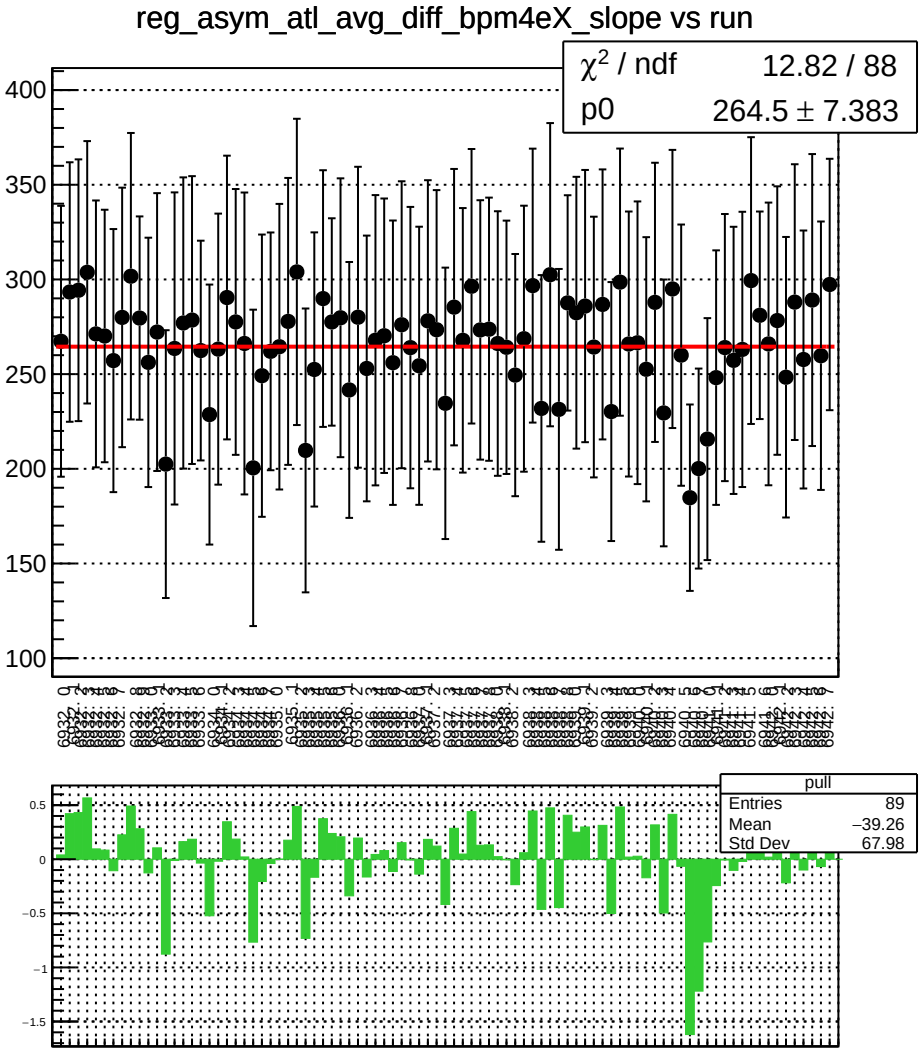

pull1D
Entries 89
Mean −0.006107
Std Dev 0.2469

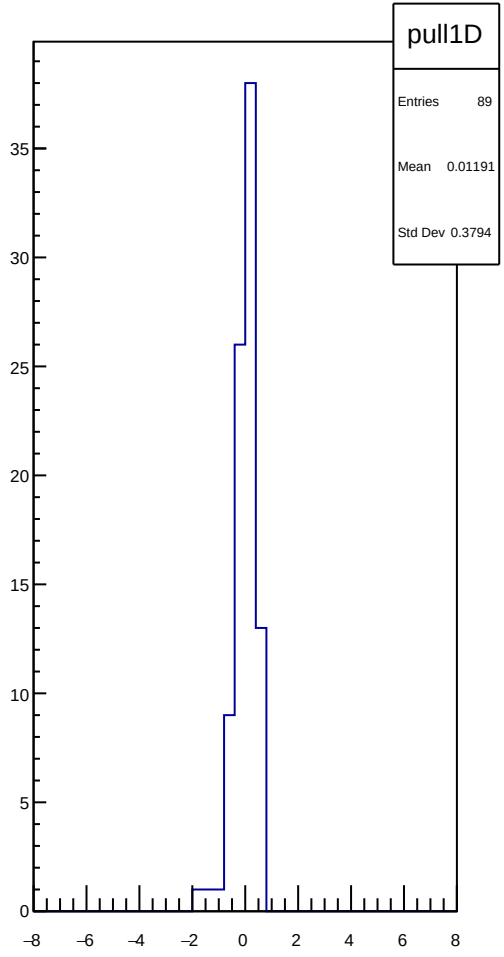

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.83 / 88
p0 −261.5 ± 0.4227
pull
Entries 89
Mean −811.3
Std Dev 847.9
pull1D
Entries 89
Mean −0.003143
Std Dev 0.3941

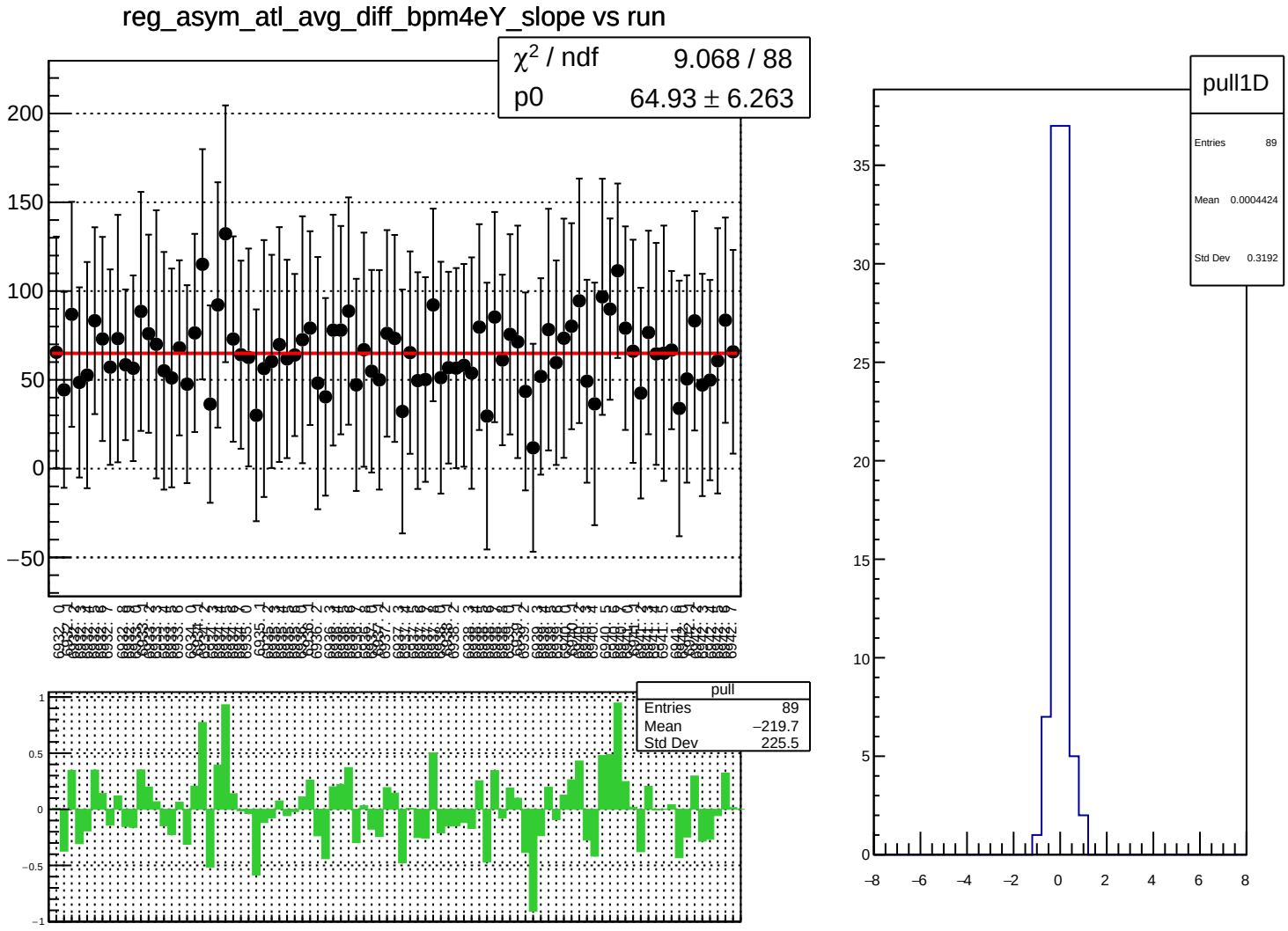

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.76 / 88
p0 −297.3 ± 7.942
pull
Entries 89
Mean −22.33
Std Dev 46.34
pull1D
Entries 89
Mean −0.01144
Std Dev 0.3784

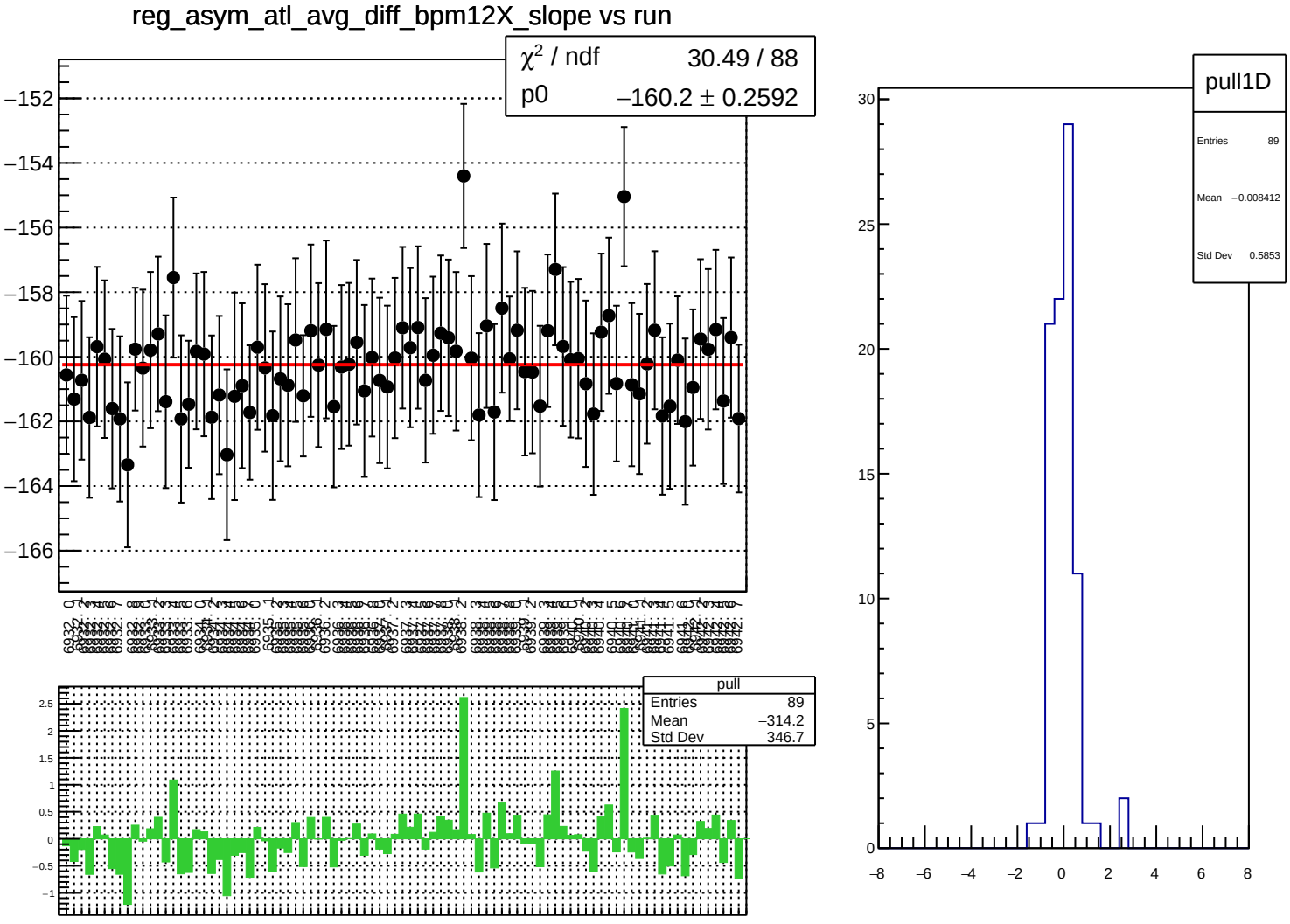

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.882 / 88
p0 8.365 ± 5.411
pull
Entries 89
Mean −167.8
Std Dev 206.5

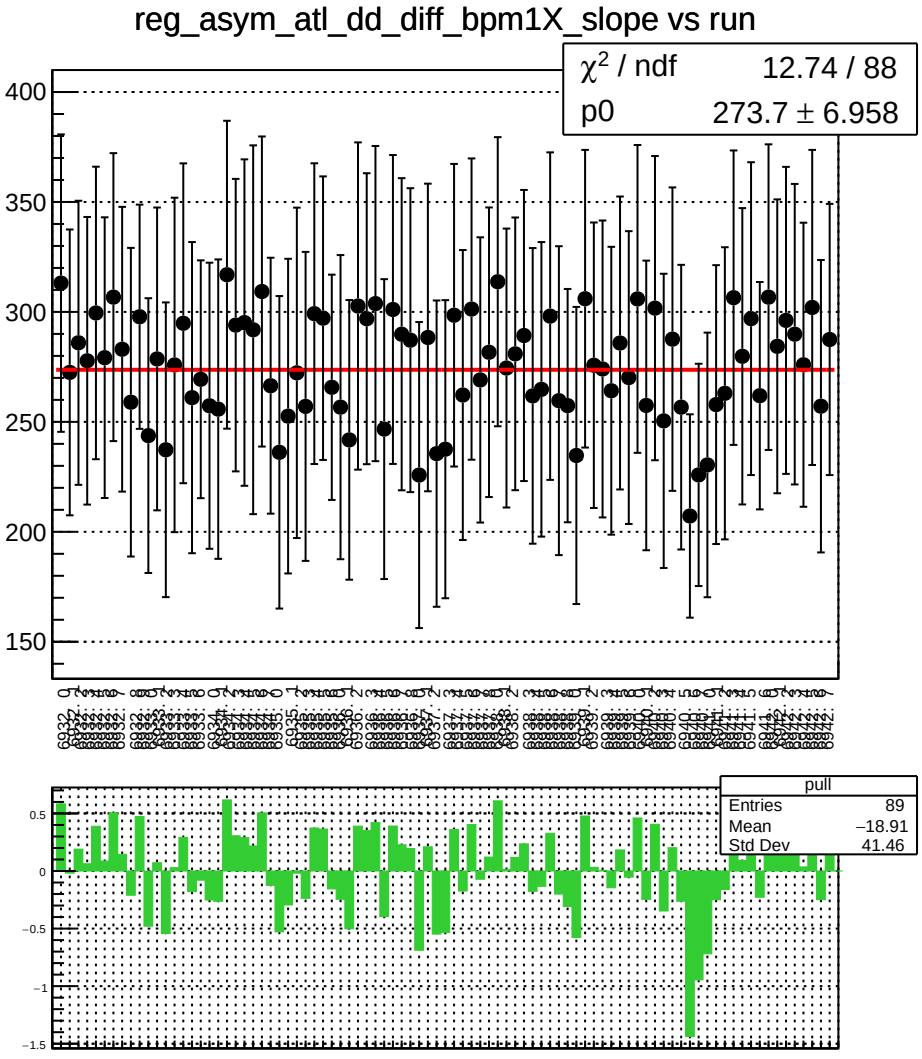

pull1D
Entries 89
Mean −0.001676
Std Dev 0.3159

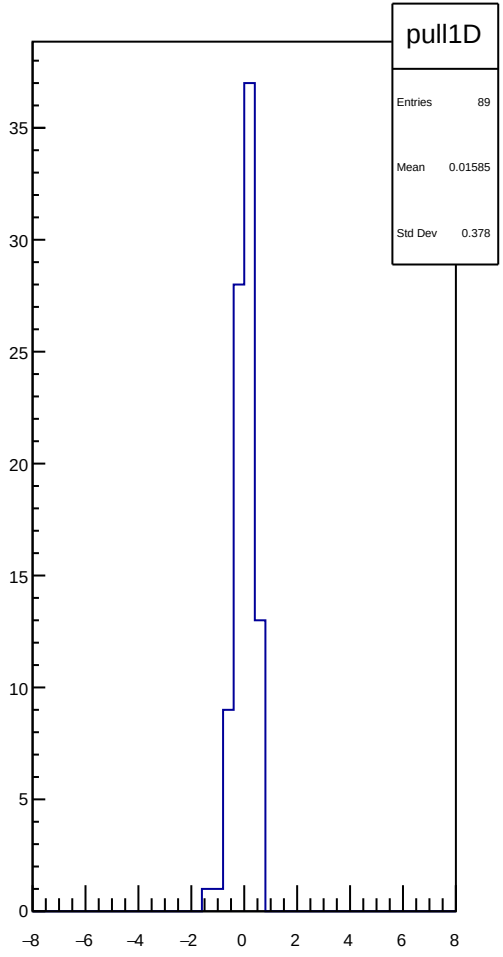

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.82 / 88
p0 264.5 ± 7.383
pull
Entries 89
Mean −39.26
Std Dev 67.98

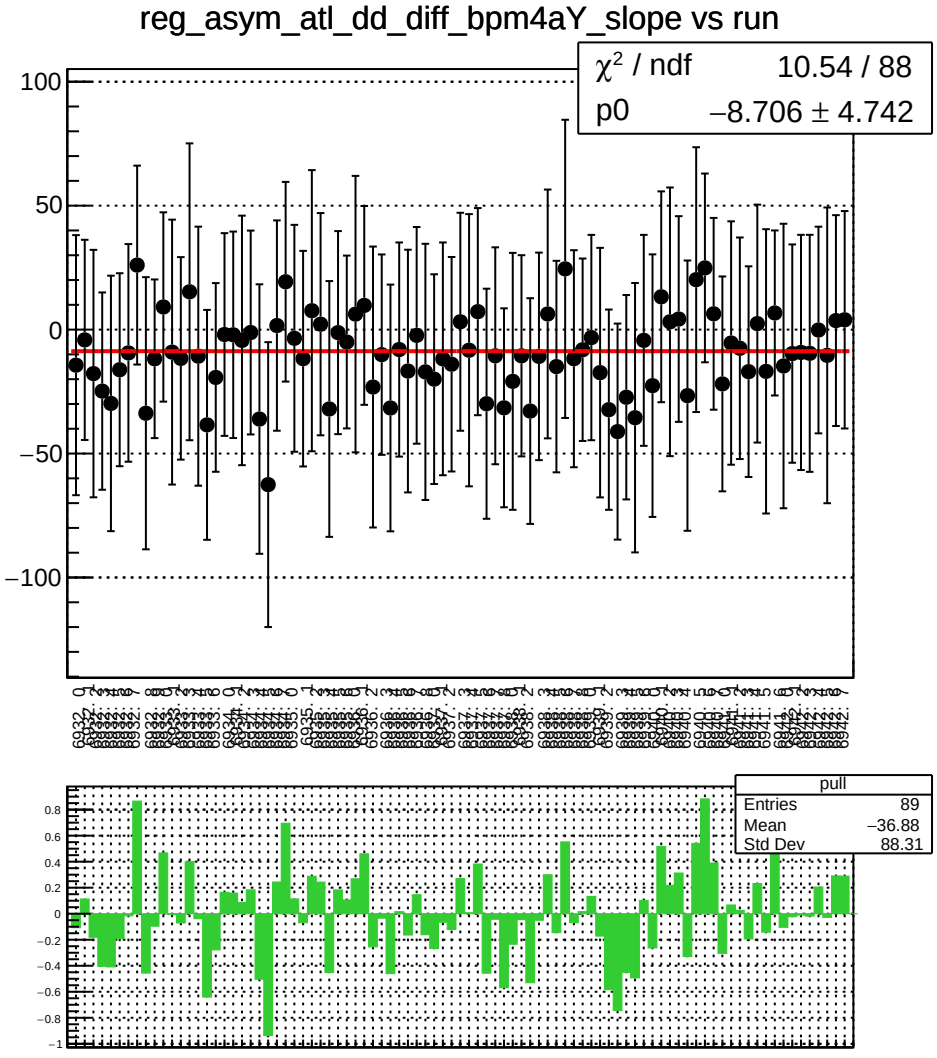

pull1D
Entries 89
Mean 0.01191
Std Dev 0.3794

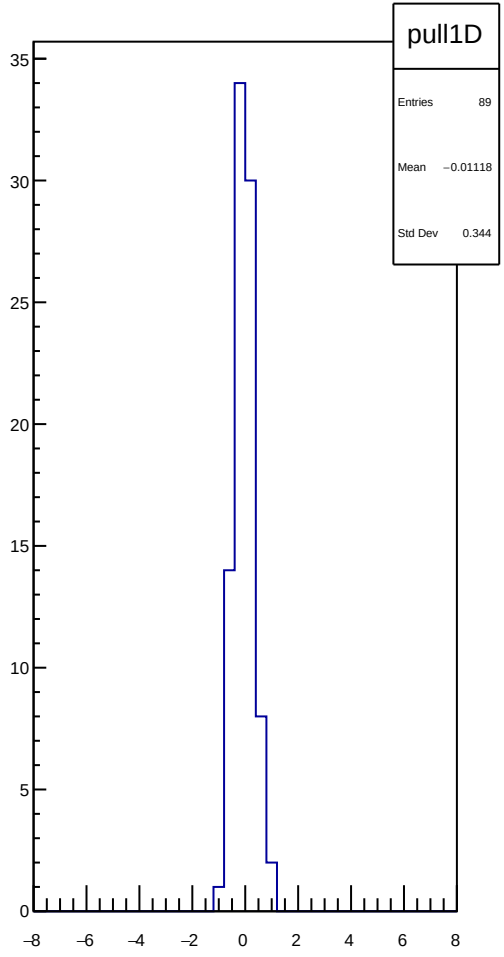

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.068 / 88
p0 64.93 ± 6.263
pull
Entries 89
Mean −219.7
Std Dev 225.5
pull1D
Entries 89
Mean 0.0004424
Std Dev 0.3192

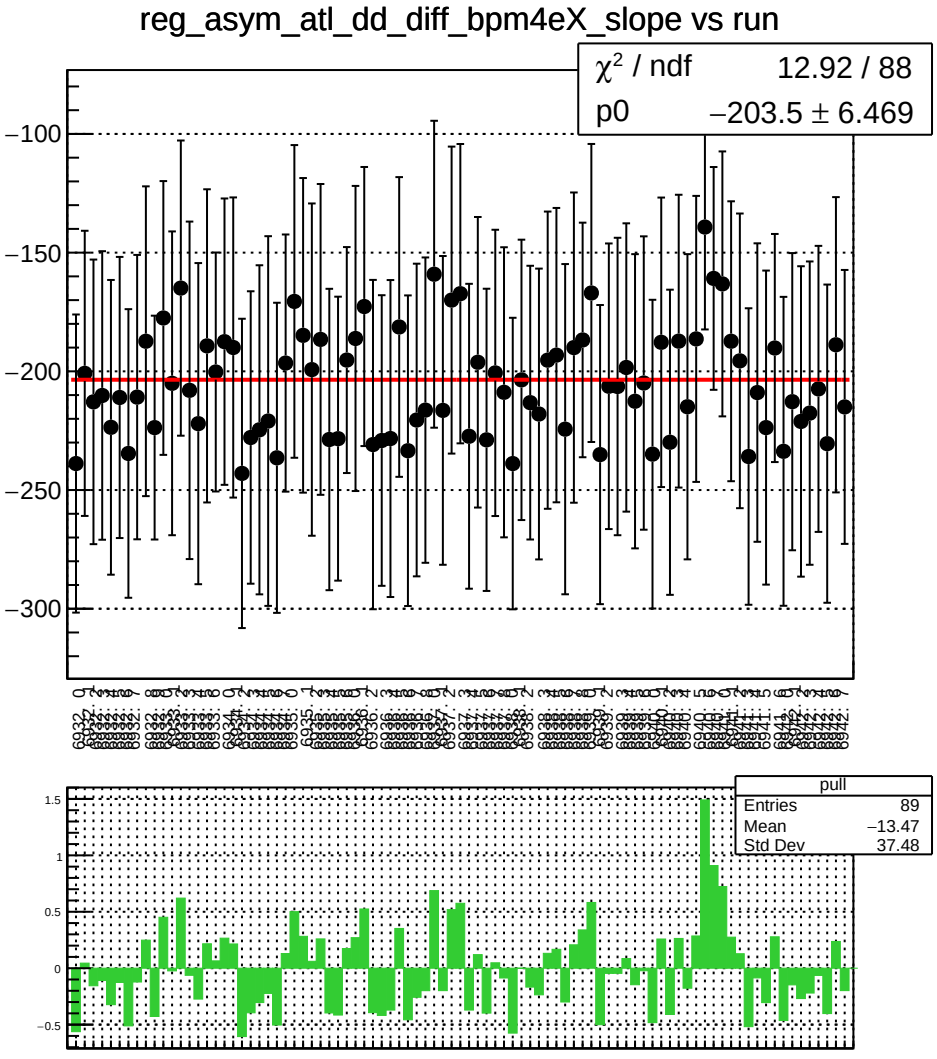

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 30.49 / 88
p0 −160.2 ± 0.2592
pull
Entries 89
Mean −314.2
Std Dev 346.7
pull1D
Entries 89
Mean −0.008412
Std Dev 0.5853

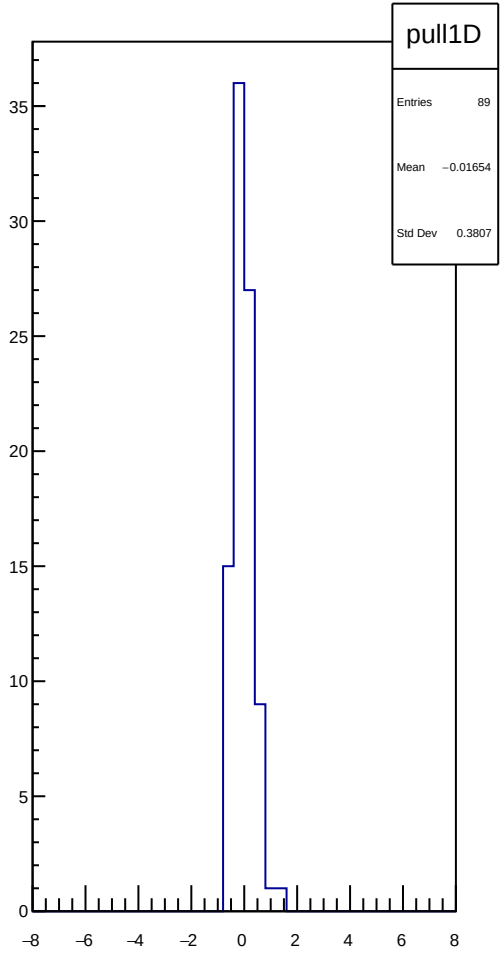

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.74 / 88
p0 273.7 ± 6.958
pull
Entries 89
Mean −18.91
Std Dev 41.46

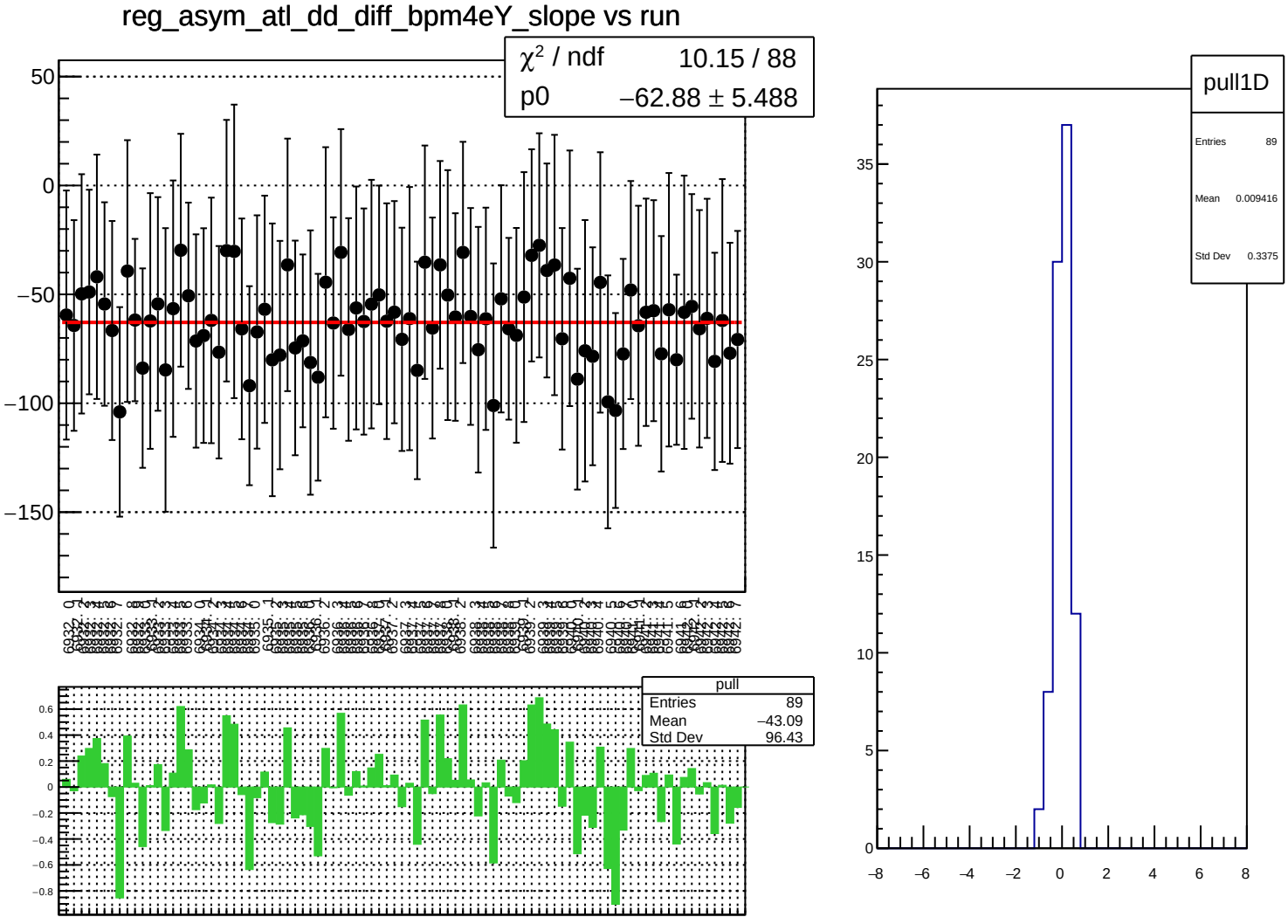

pull1D
Entries 89
Mean 0.01585
Std Dev 0.378

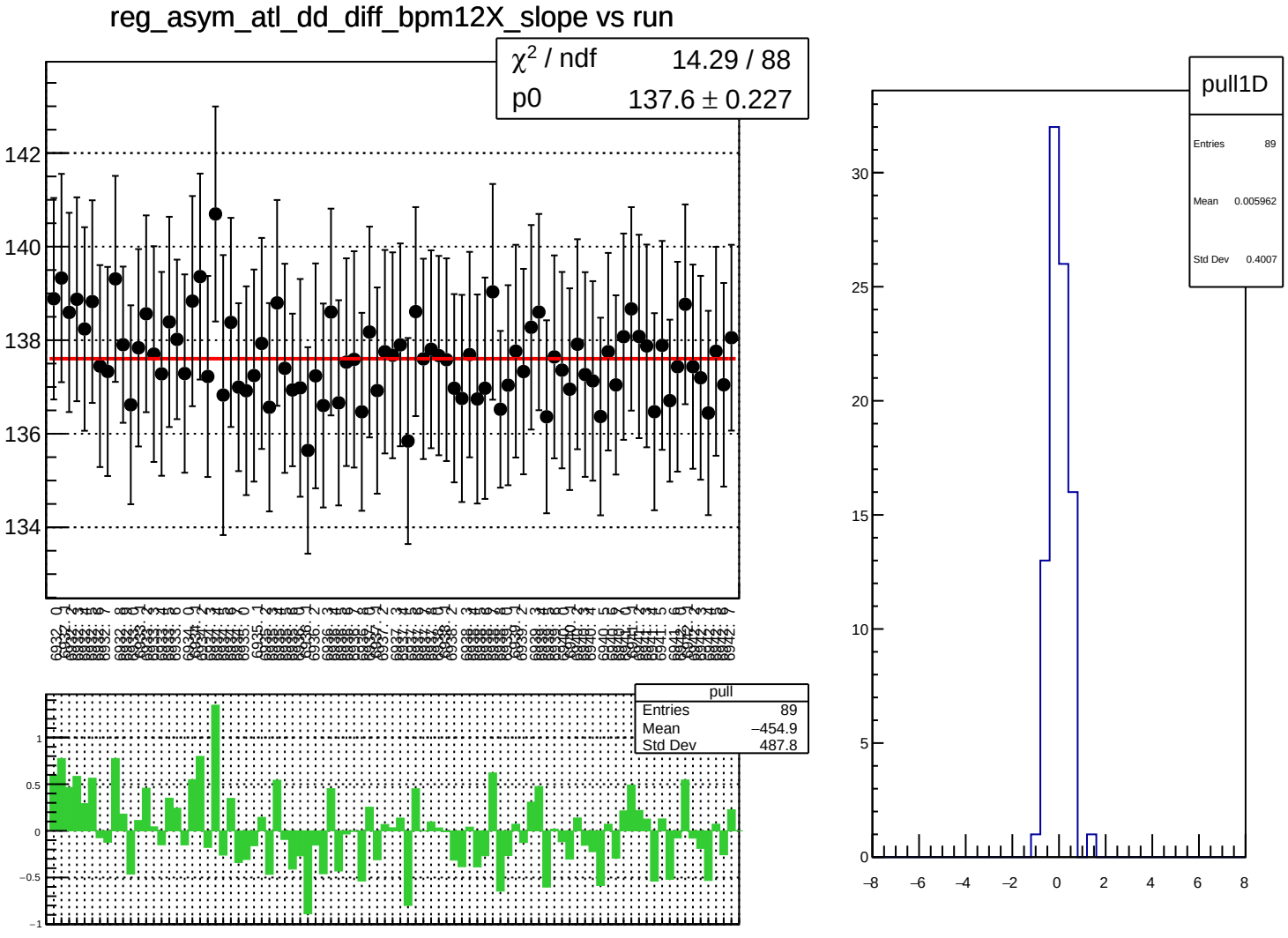

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.54 / 88
p0 −8.706 ± 4.742
pull
Entries 89
Mean −36.88
Std Dev 88.31

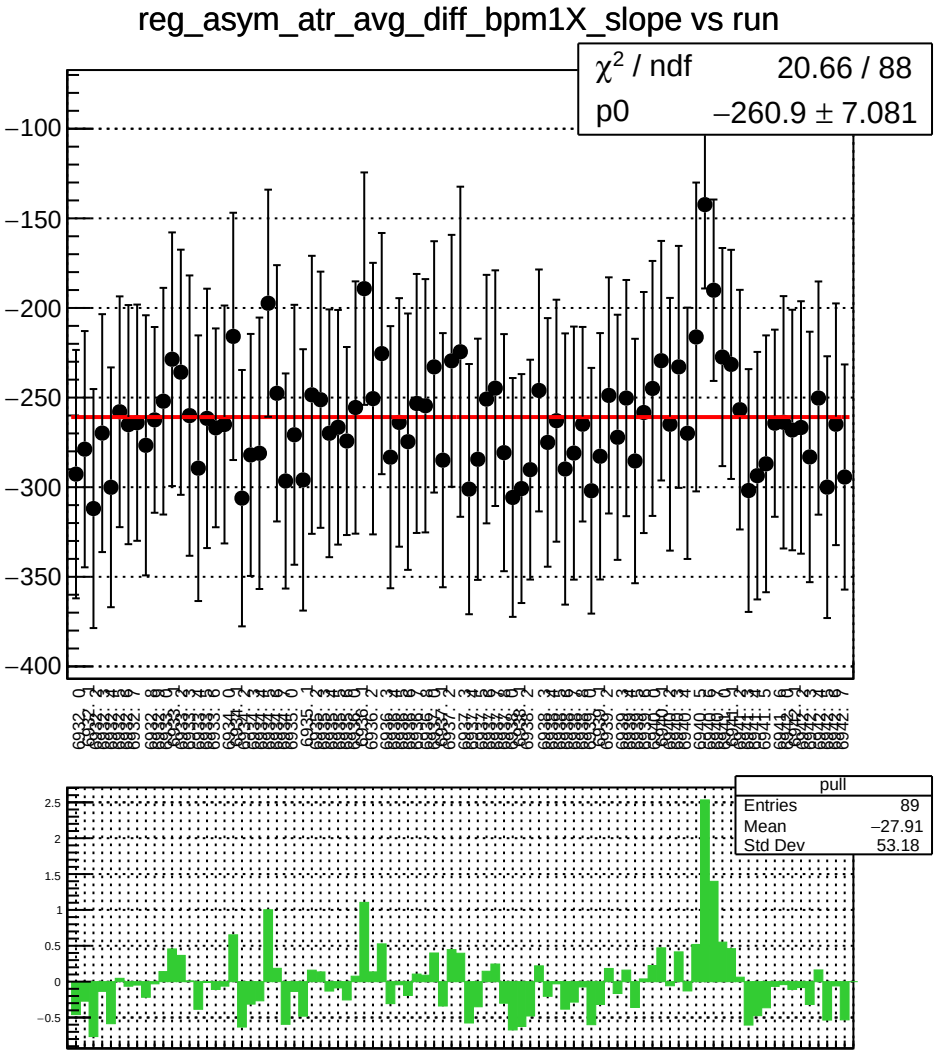

pull1D
Entries 89
Mean −0.01118
Std Dev 0.344

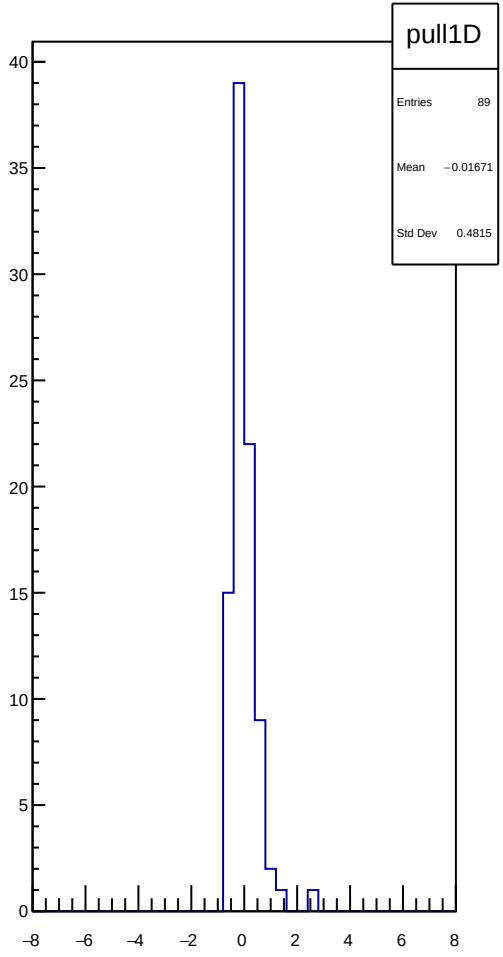

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.92 / 88
p0 −203.5 ± 6.469
pull
Entries 89
Mean −13.47
Std Dev 37.48

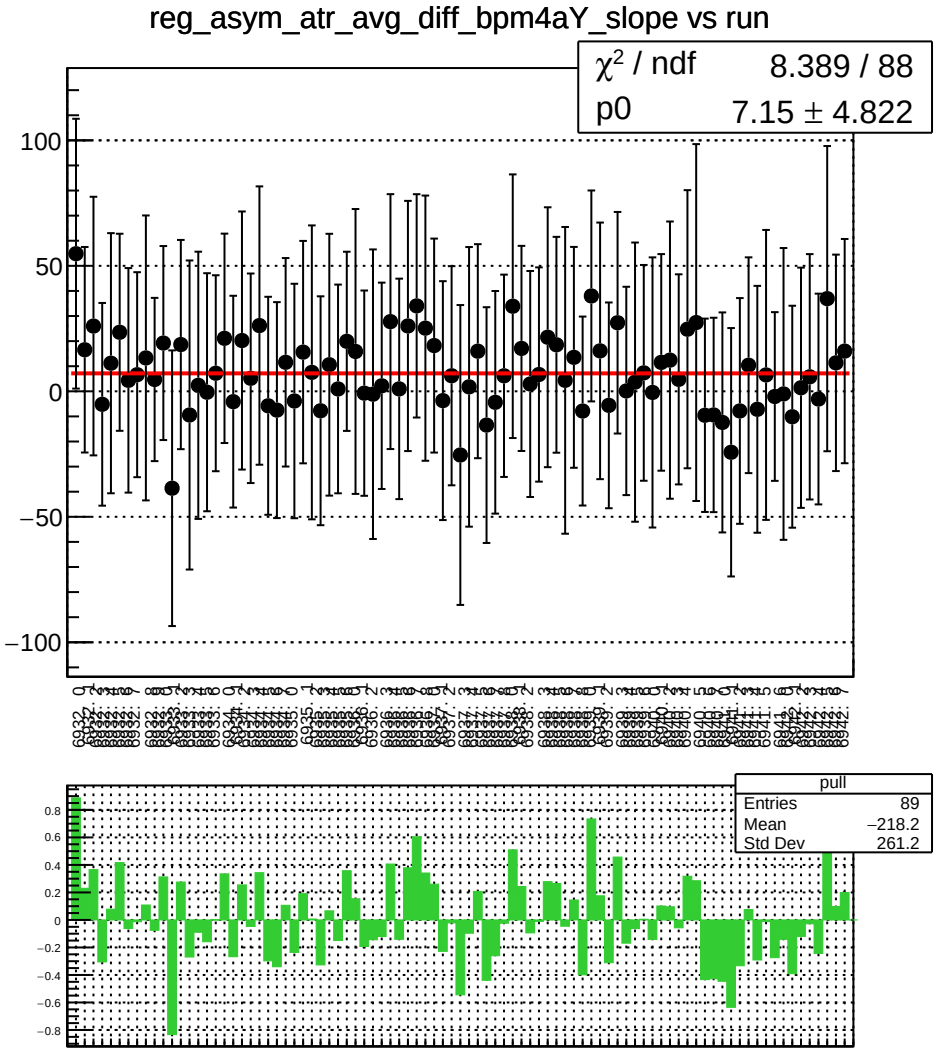

pull1D
Entries 89
Mean −0.01654
Std Dev 0.3807

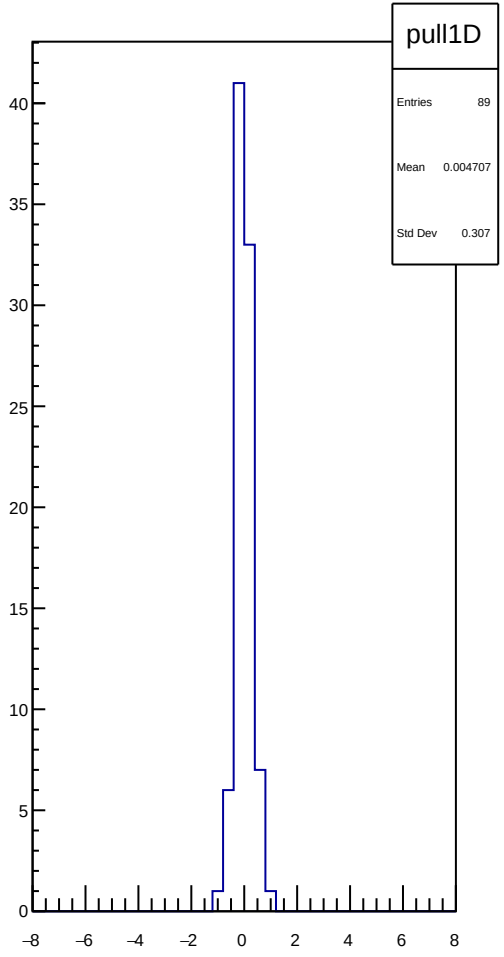

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.15 / 88
p0 −62.88 ± 5.488
pull
Entries 89
Mean −43.09
Std Dev 96.43
pull1D
Entries 89
Mean 0.009416
Std Dev 0.3375

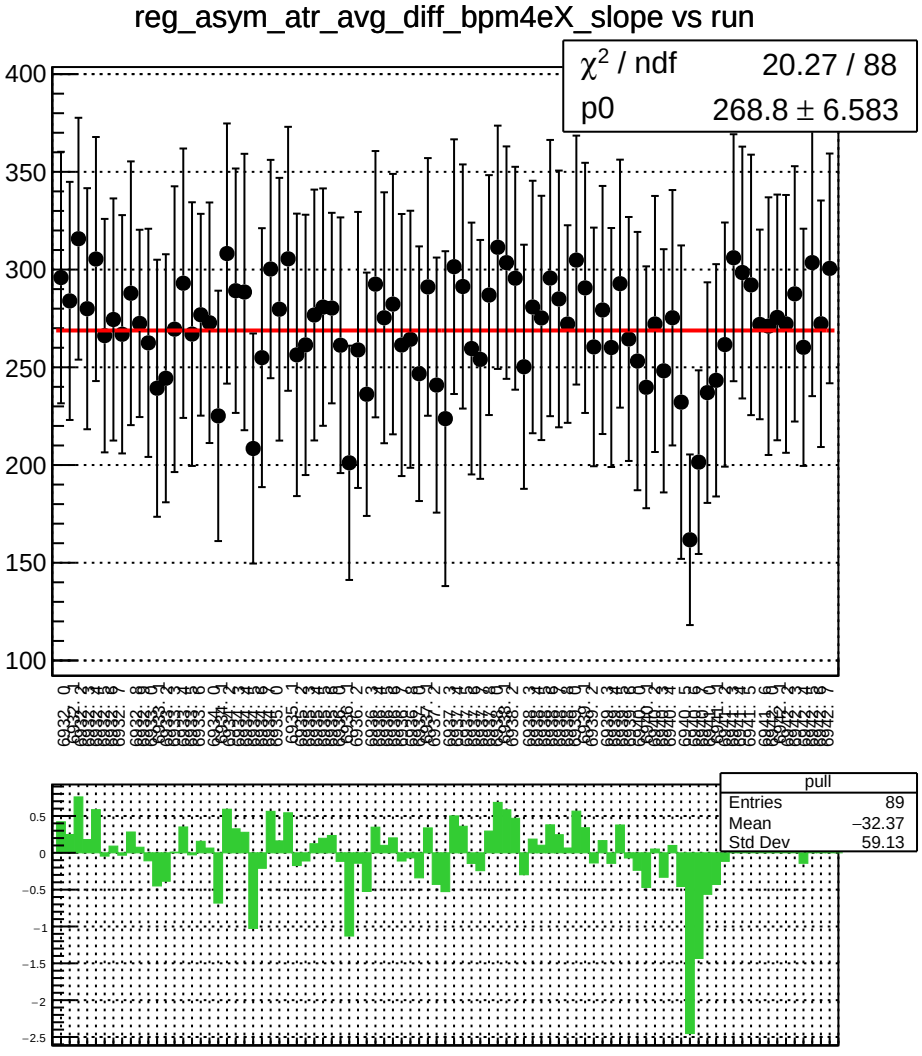

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.29 / 88
p0 137.6 ± 0.227
142
140
138
136
134
pull
Entries 89
Mean −454.9
Std Dev 487.8
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean 0.005962
Std Dev 0.4007
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

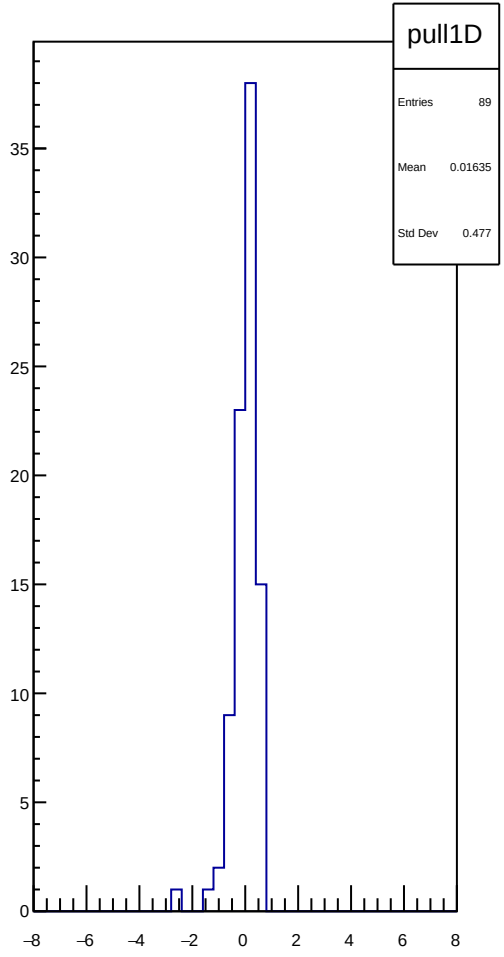

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 20.66 / 88
p0 −260.9 ± 7.081
pull
Entries 89
Mean −27.91
Std Dev 53.18

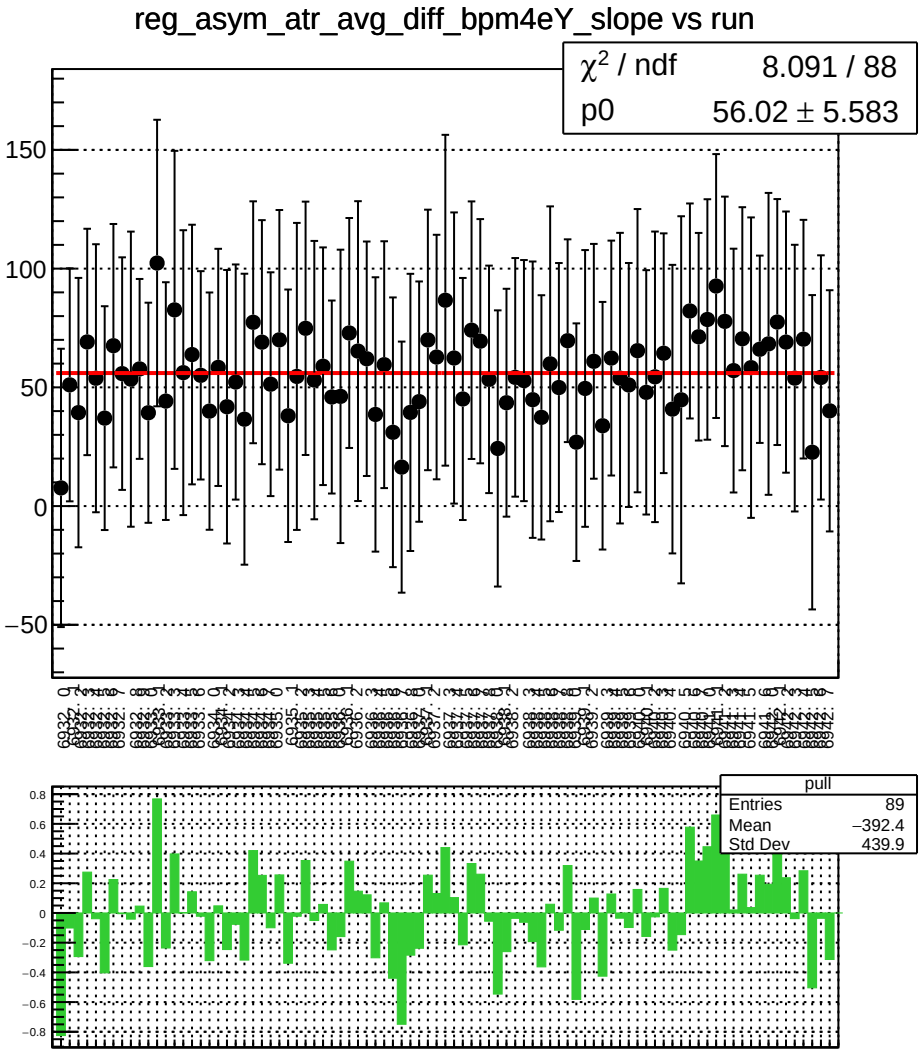

pull1D
Entries 89
Mean −0.01671
Std Dev 0.4815

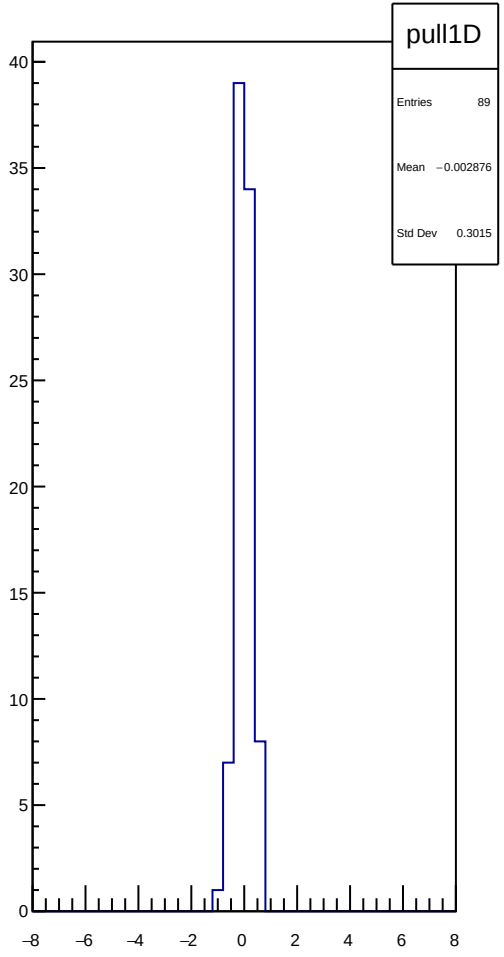

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.389 / 88
p0 7.15 ± 4.822
pull
Entries 89
Mean −218.2
Std Dev 261.2

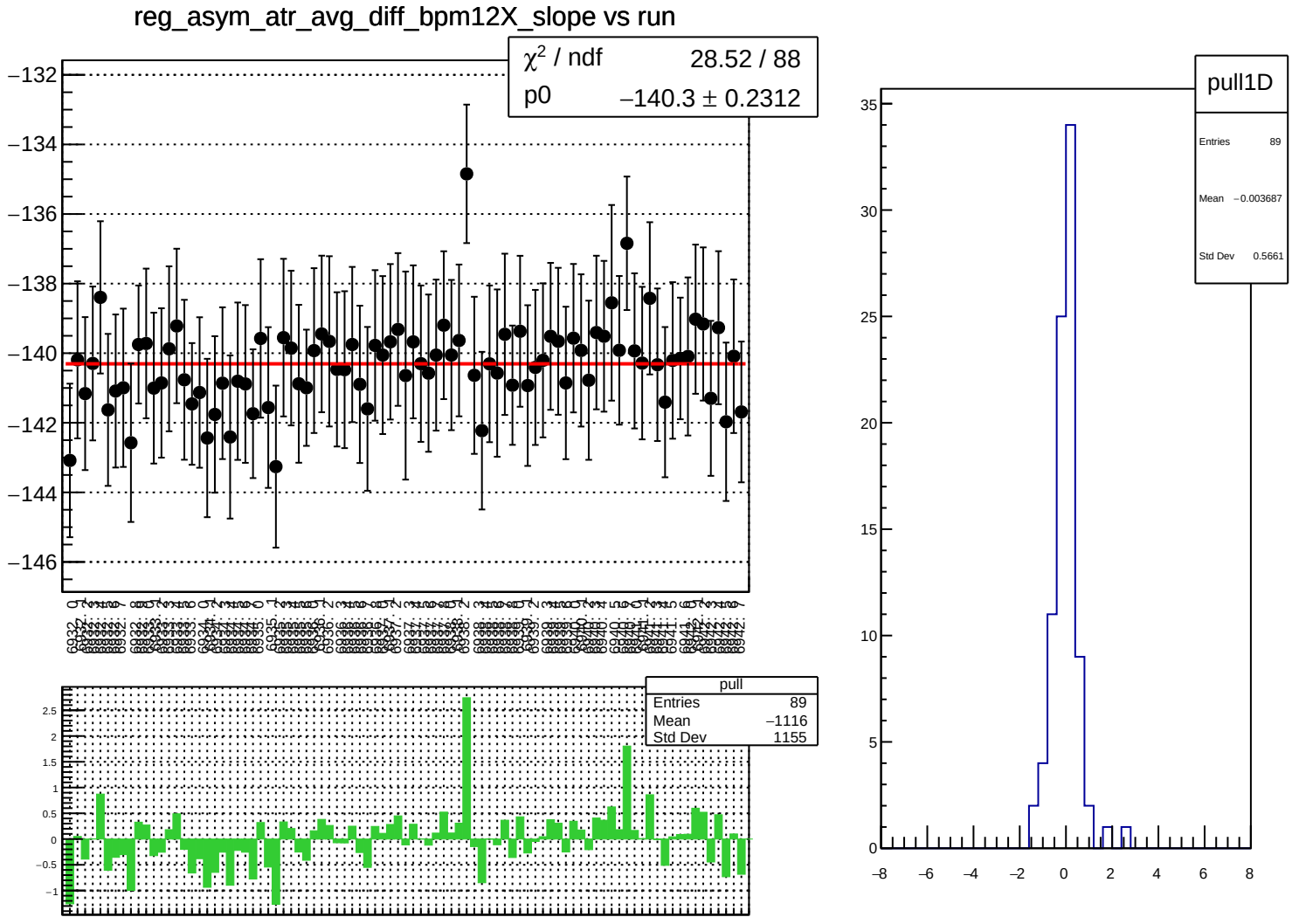

pull1D
Entries 89
Mean 0.004707
Std Dev 0.307

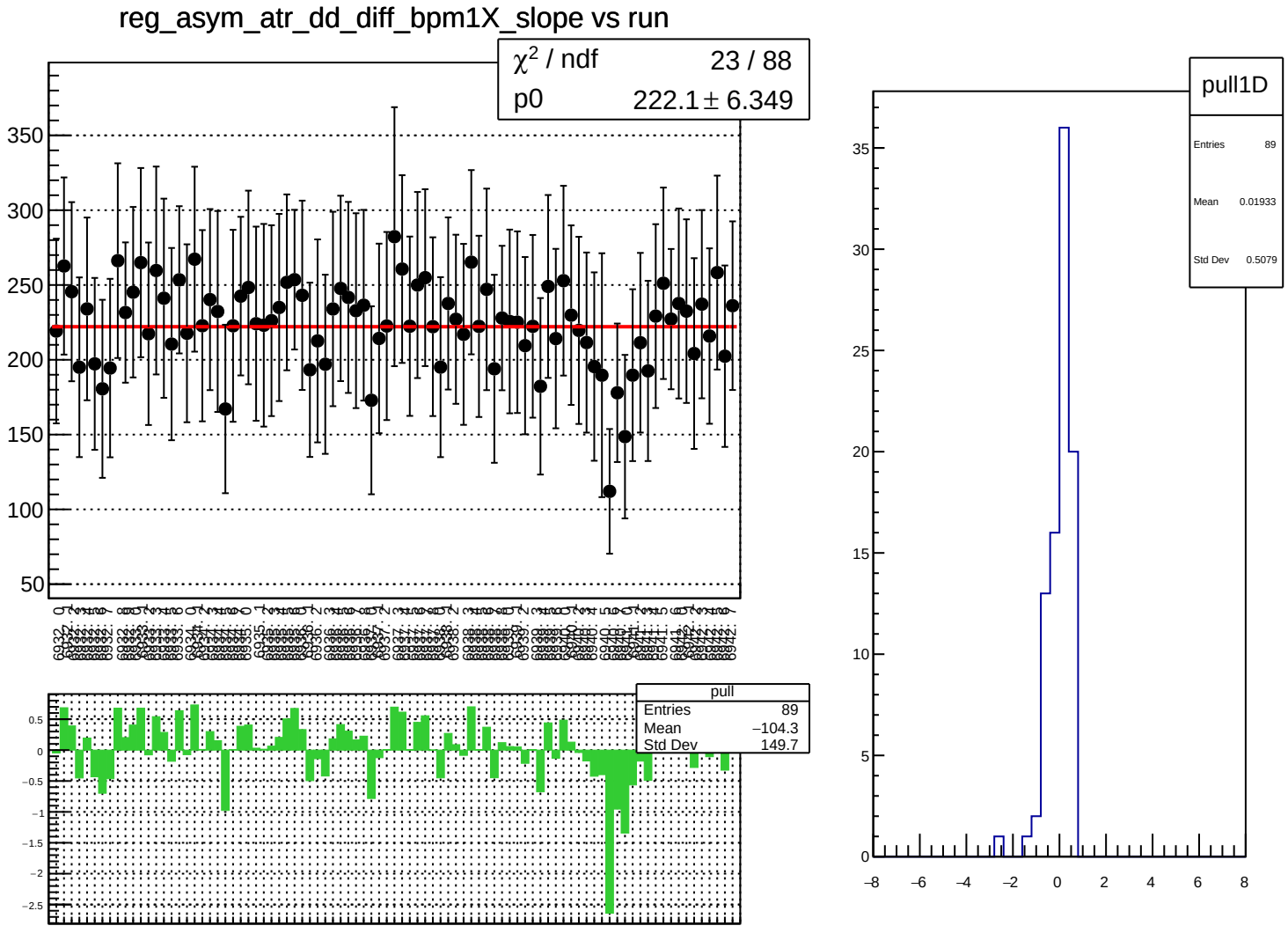

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 20.27 / 88
p0 268.8 ± 6.583
pull
Entries 89
Mean −32.37
Std Dev 59.13

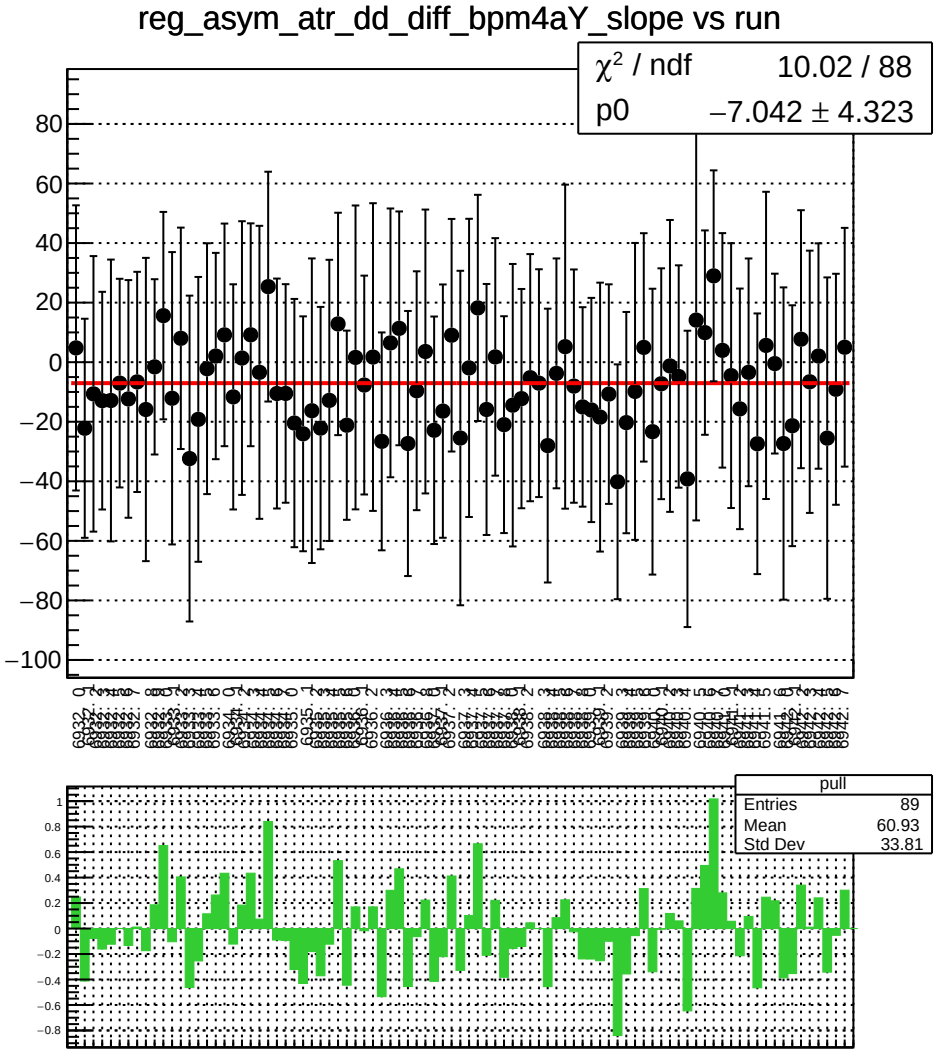

pull1D
Entries 89
Mean 0.01635
Std Dev 0.477

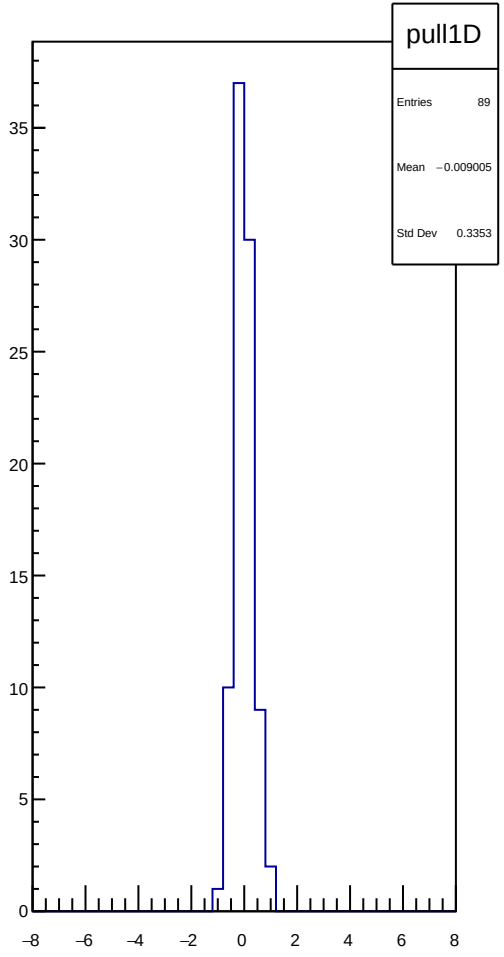

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.091 / 88
p0 56.02 ± 5.583
pull
Entries 89
Mean −392.4
Std Dev 439.9

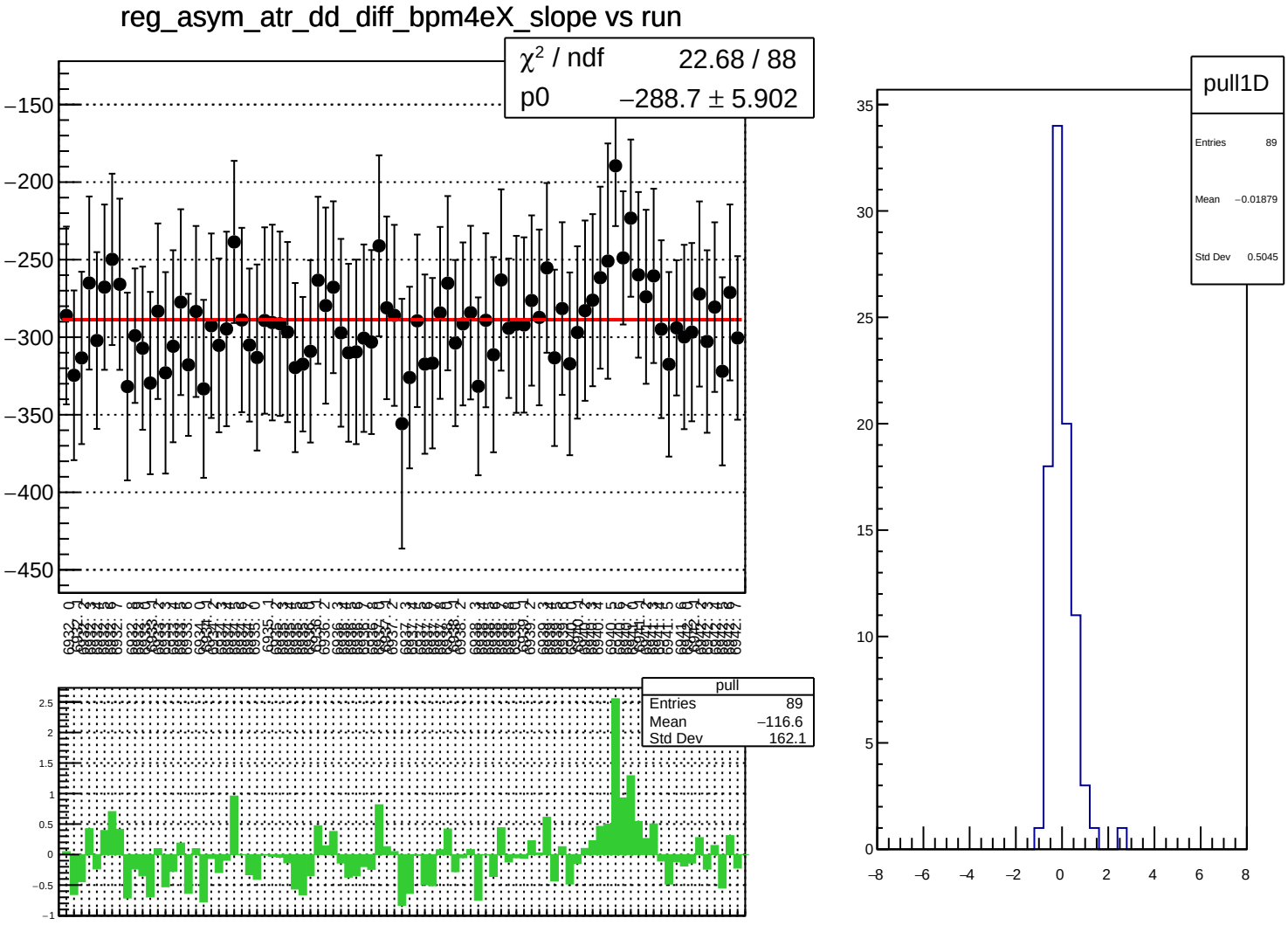

pull1D
Entries 89
Mean −0.002876
Std Dev 0.3015

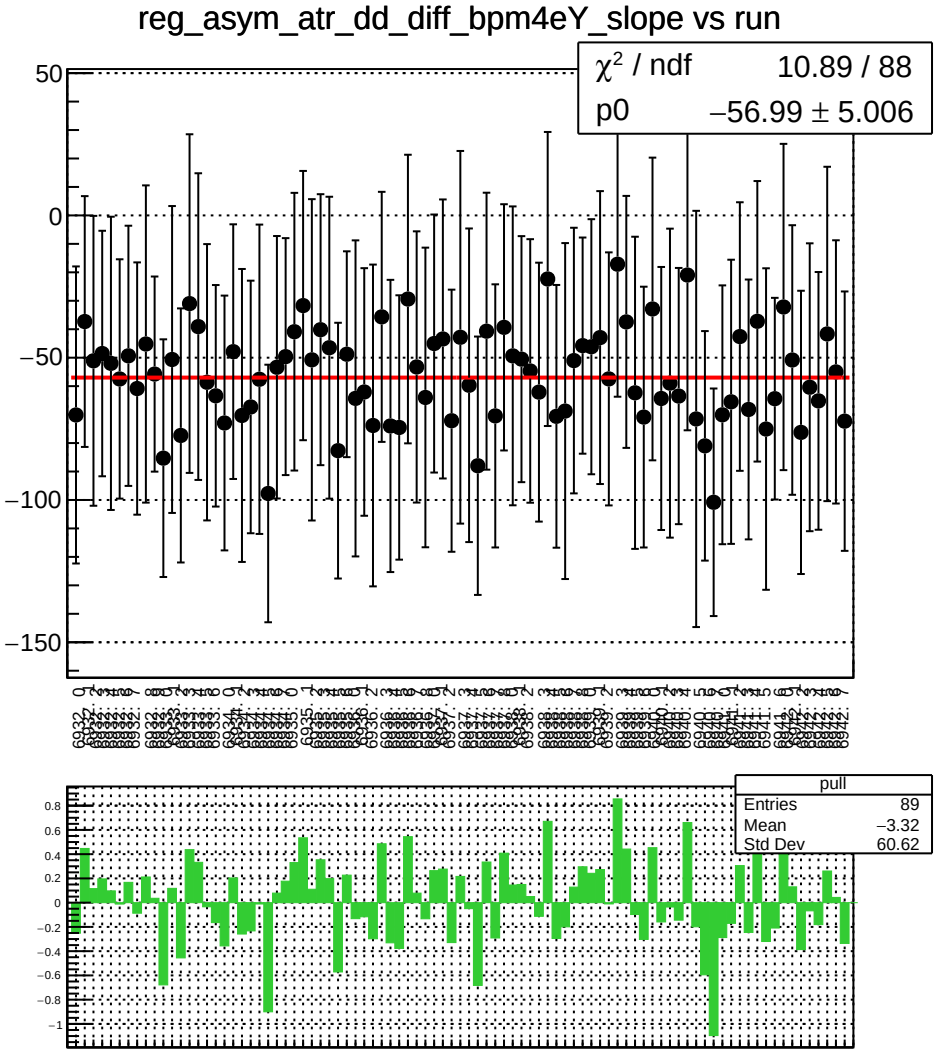

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 28.52 / 88
p0 −140.3 ± 0.2312
pull
Entries 89
Mean −1116
Std Dev 1155
pull1D
Entries 89
Mean −0.003687
Std Dev 0.5661

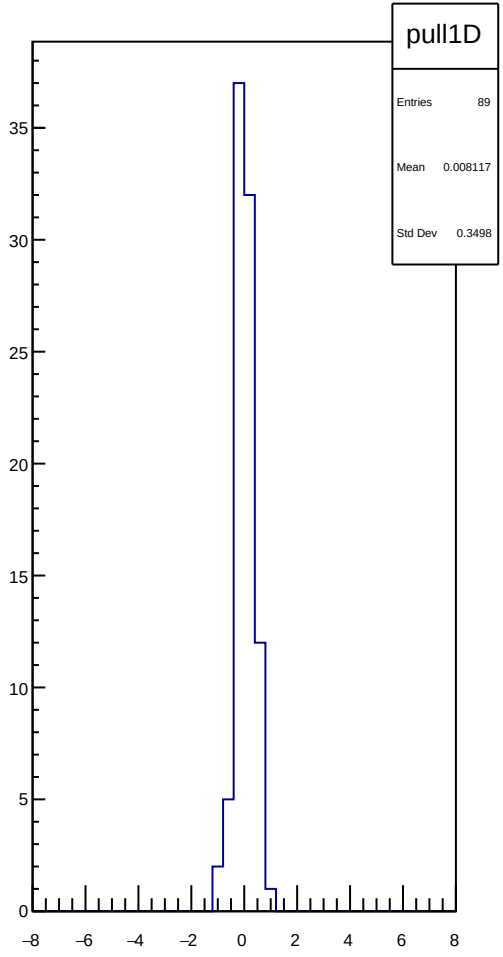

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 23 / 88
p0 222.1 ± 6.349
pull
Entries 89
Mean −104.3
Std Dev 149.7
pull1D
Entries 89
Mean 0.01933
Std Dev 0.5079

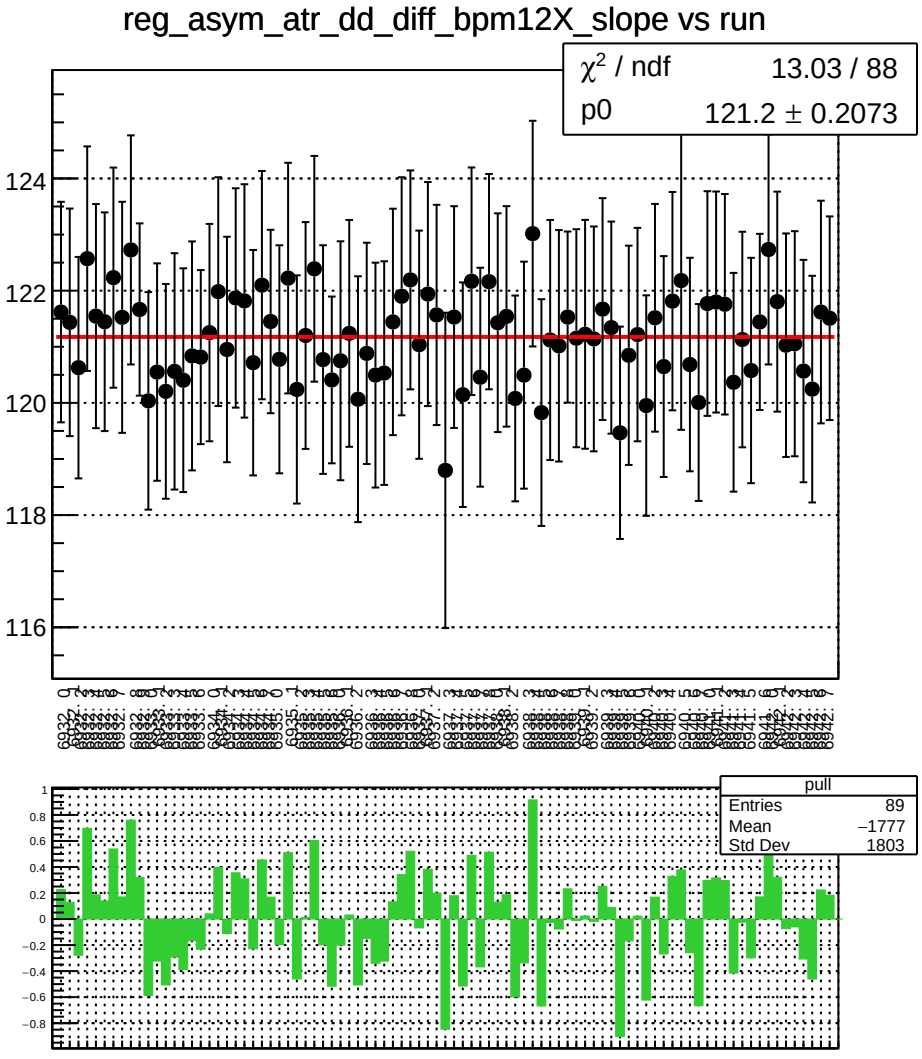

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.02 / 88
p0 −7.042 ± 4.323
pull
Entries 89
Mean 60.93
Std Dev 33.81

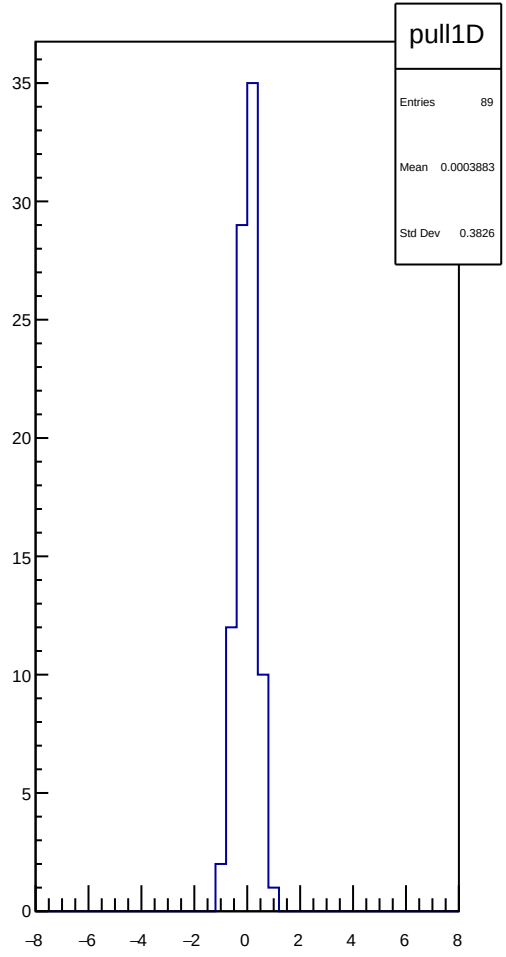

pull1D
Entries 89
Mean −0.009005
Std Dev 0.3353

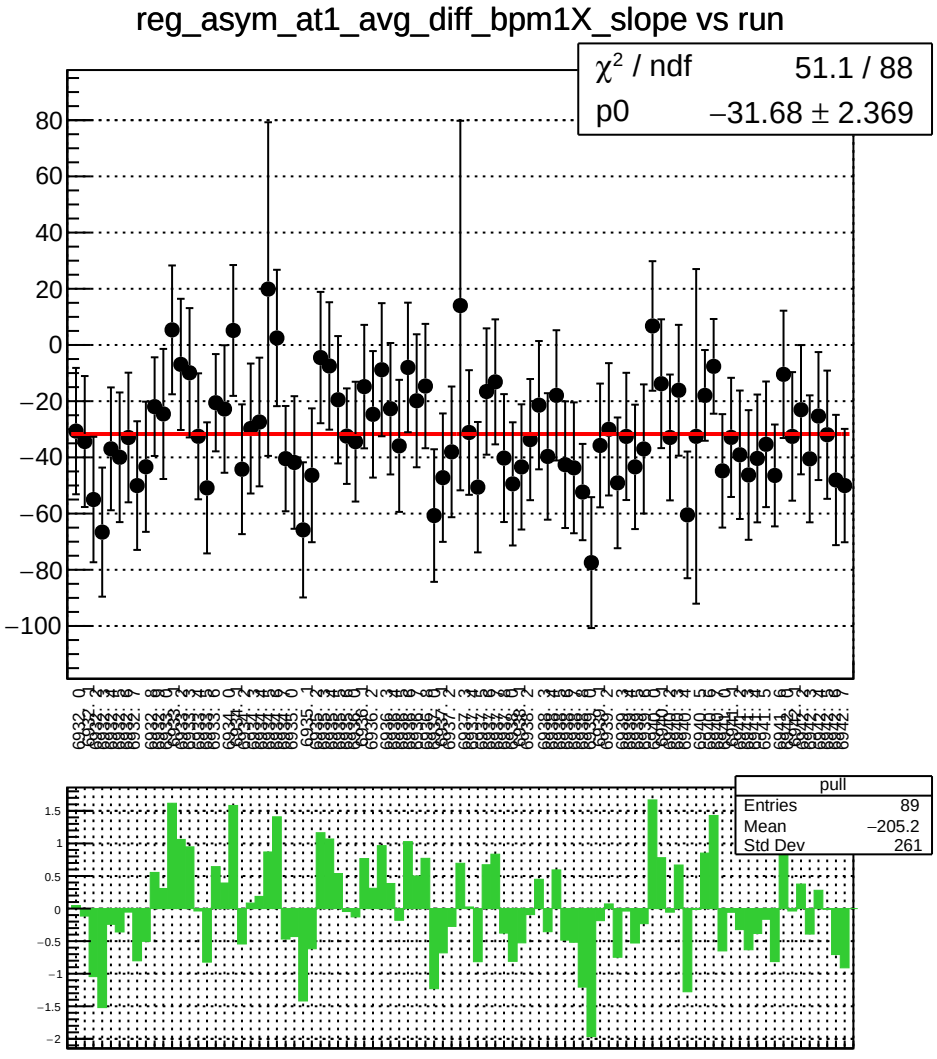

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 22.68 / 88
p0 −288.7 ± 5.902
pull
Entries 89
Mean −116.6
Std Dev 162.1
pull1D
Entries 89
Mean −0.01879
Std Dev 0.5045

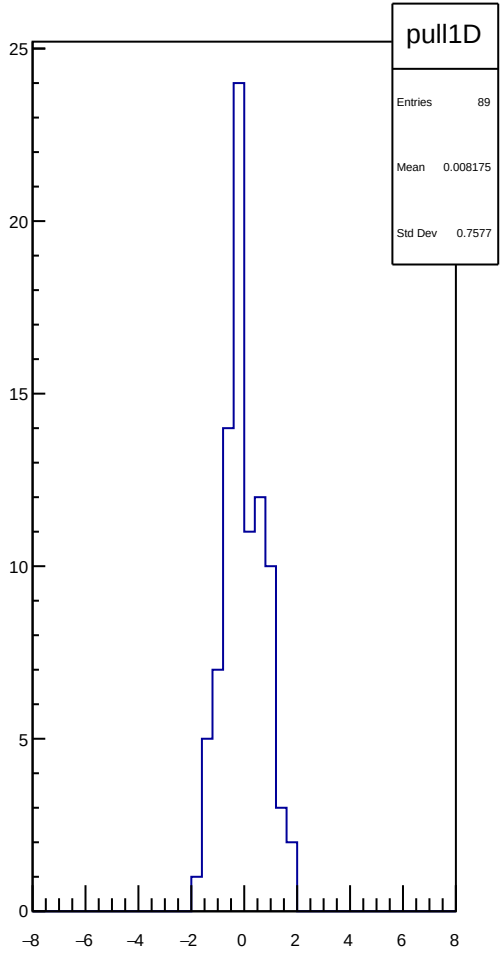

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 10.89 / 88
p0 −56.99 ± 5.006
pull
Entries 89
Mean −3.32
Std Dev 60.62

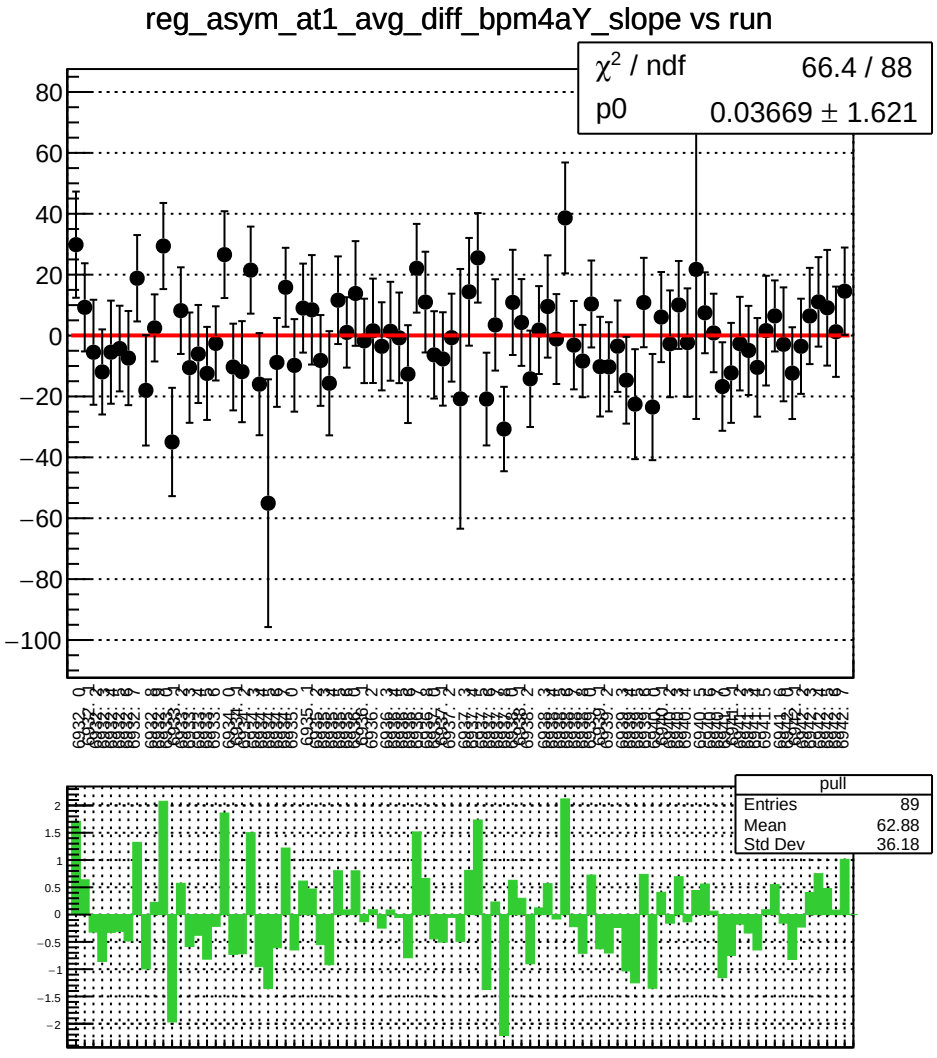

pull1D
Entries 89
Mean 0.008117
Std Dev 0.3498

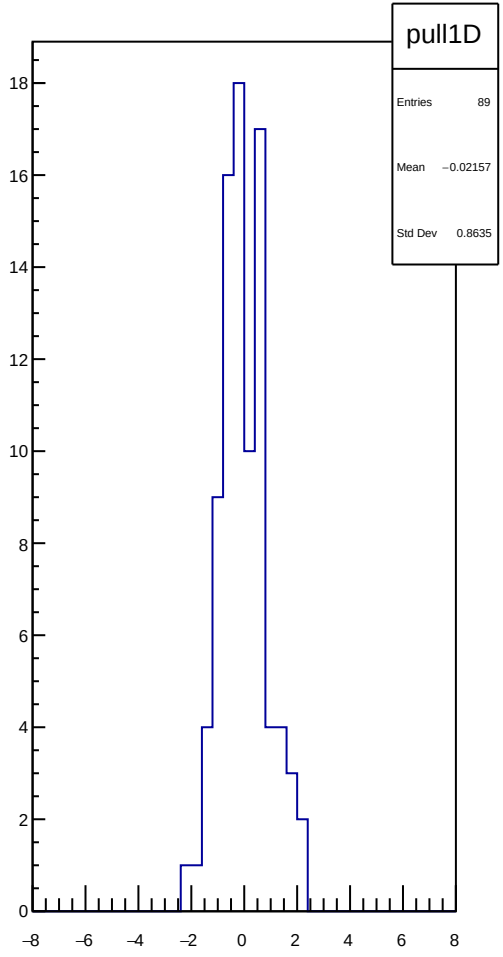

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.03 / 88
p0 121.2 ± 0.2073
124
122
120
118
116
pull
Entries 89
Mean −1777
Std Dev 1803
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

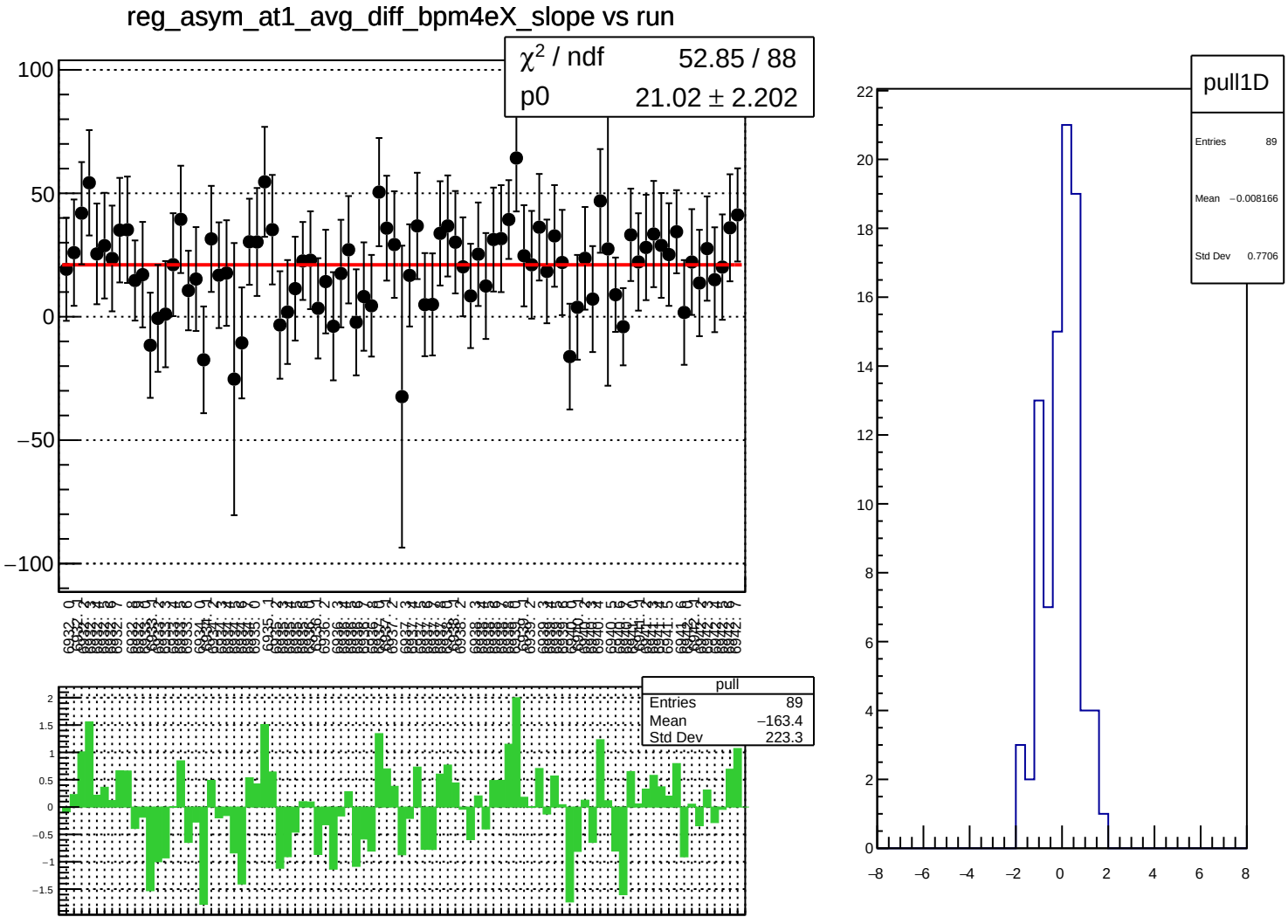

pull1D
Entries 89
Mean 0.0003883
Std Dev 0.3826
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

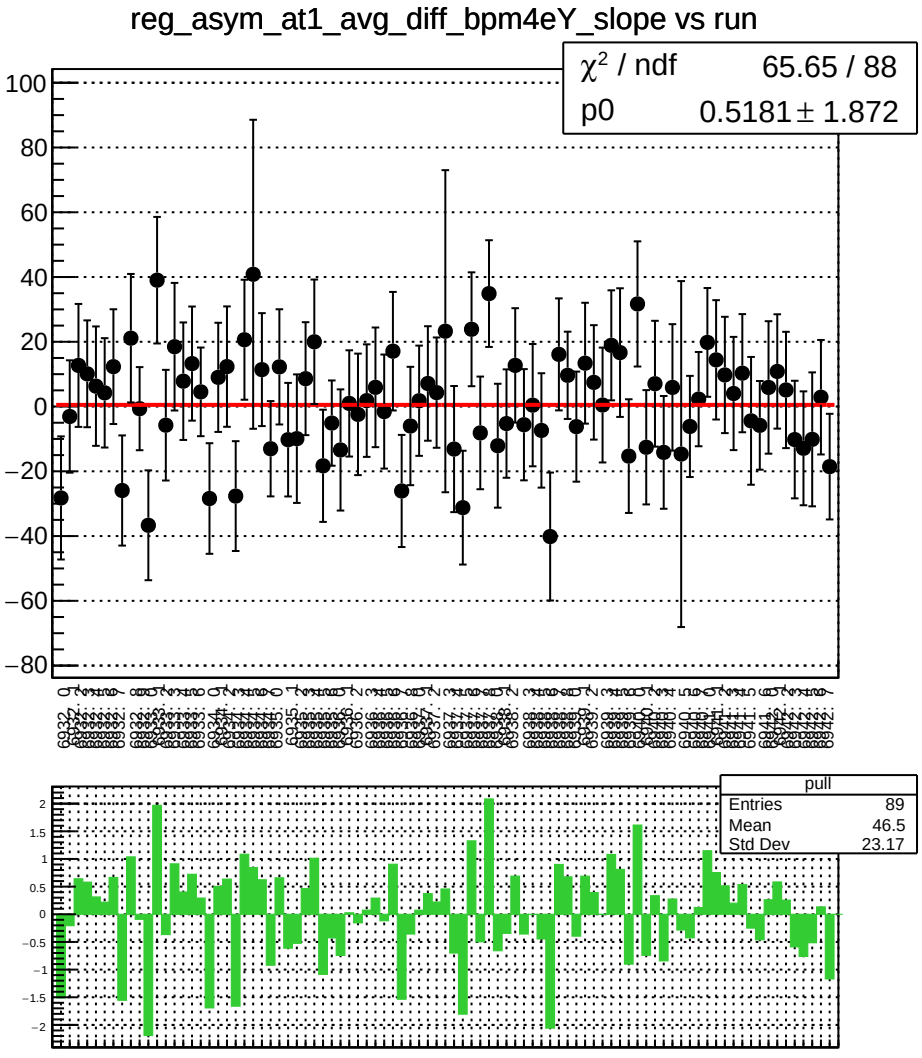

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 51.1 / 88
p0 −31.68 ± 2.369
pull
Entries 89
Mean −205.2
Std Dev 261

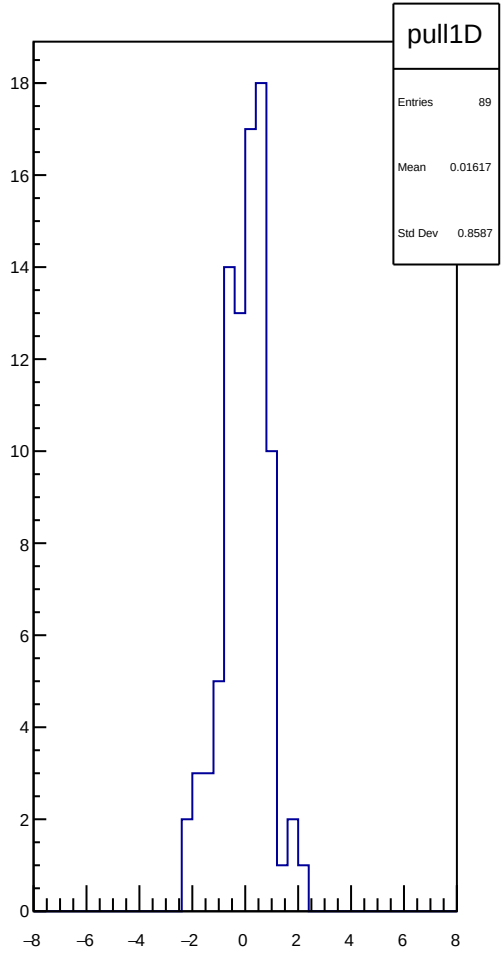

pull1D
Entries 89
Mean 0.008175
Std Dev 0.7577

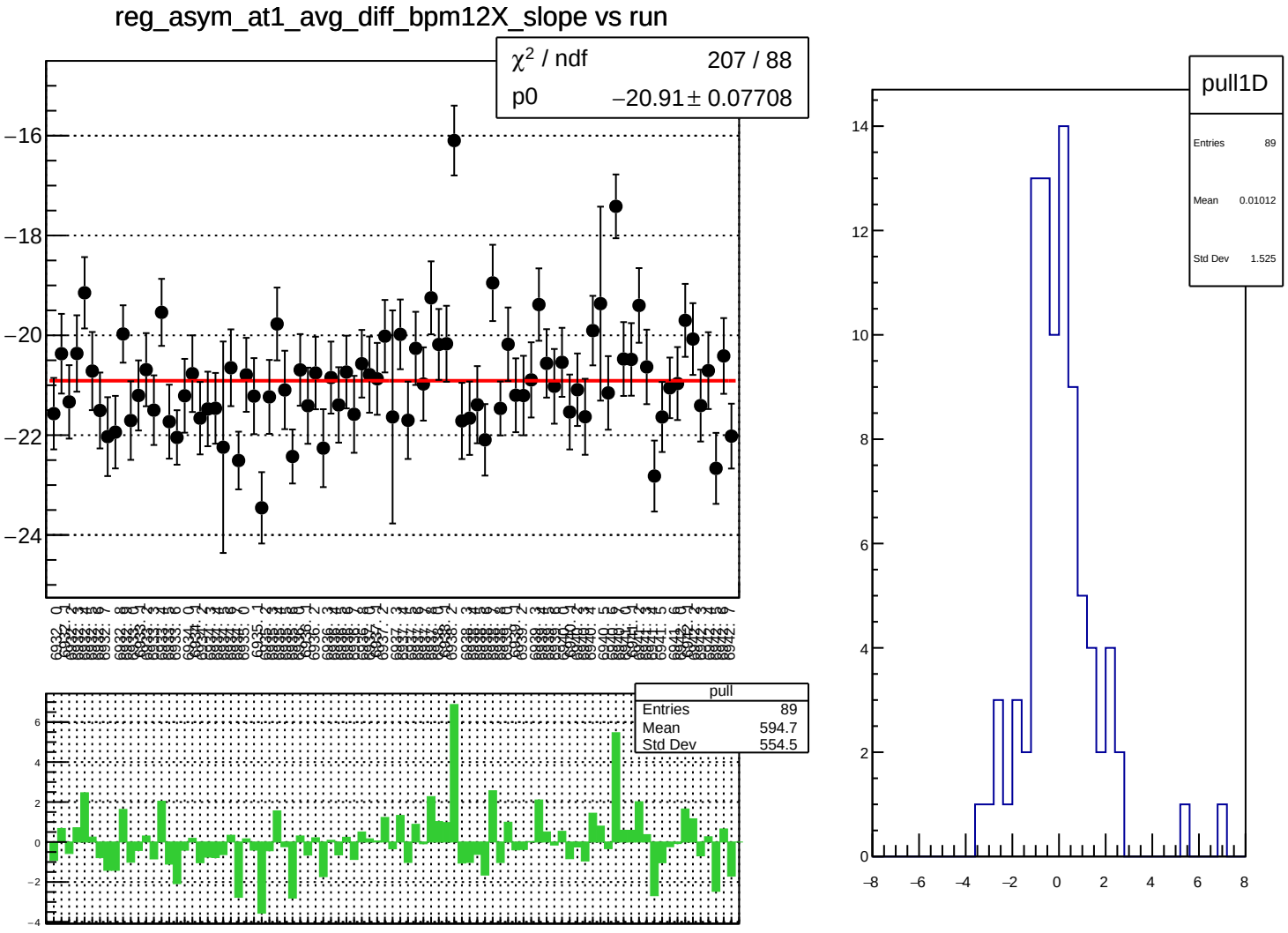

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.4 / 88
p0 0.03669 ± 1.621
pull
Entries 89
Mean 62.88
Std Dev 36.18

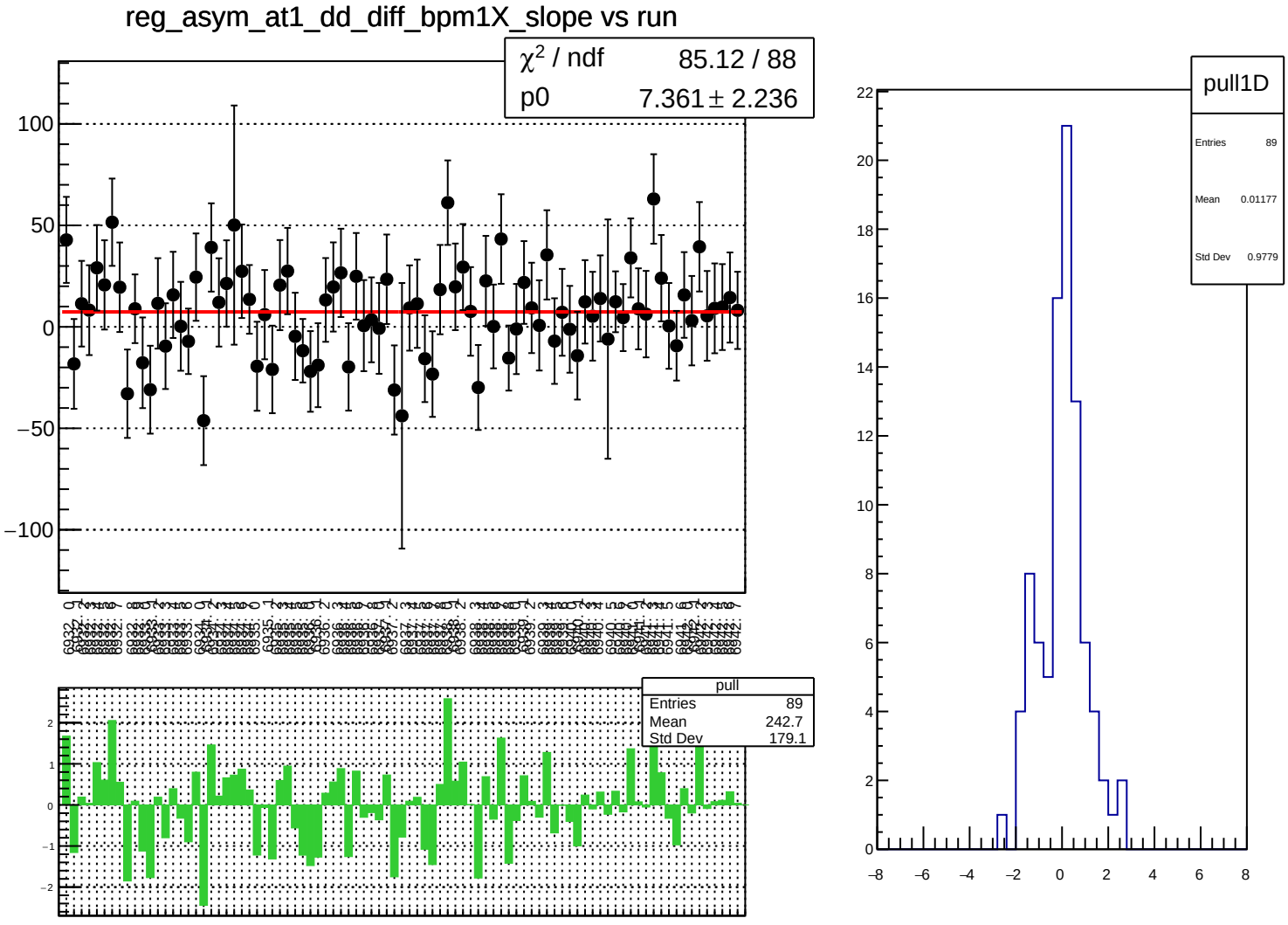

pull1D
Entries 89
Mean −0.02157
Std Dev 0.8635

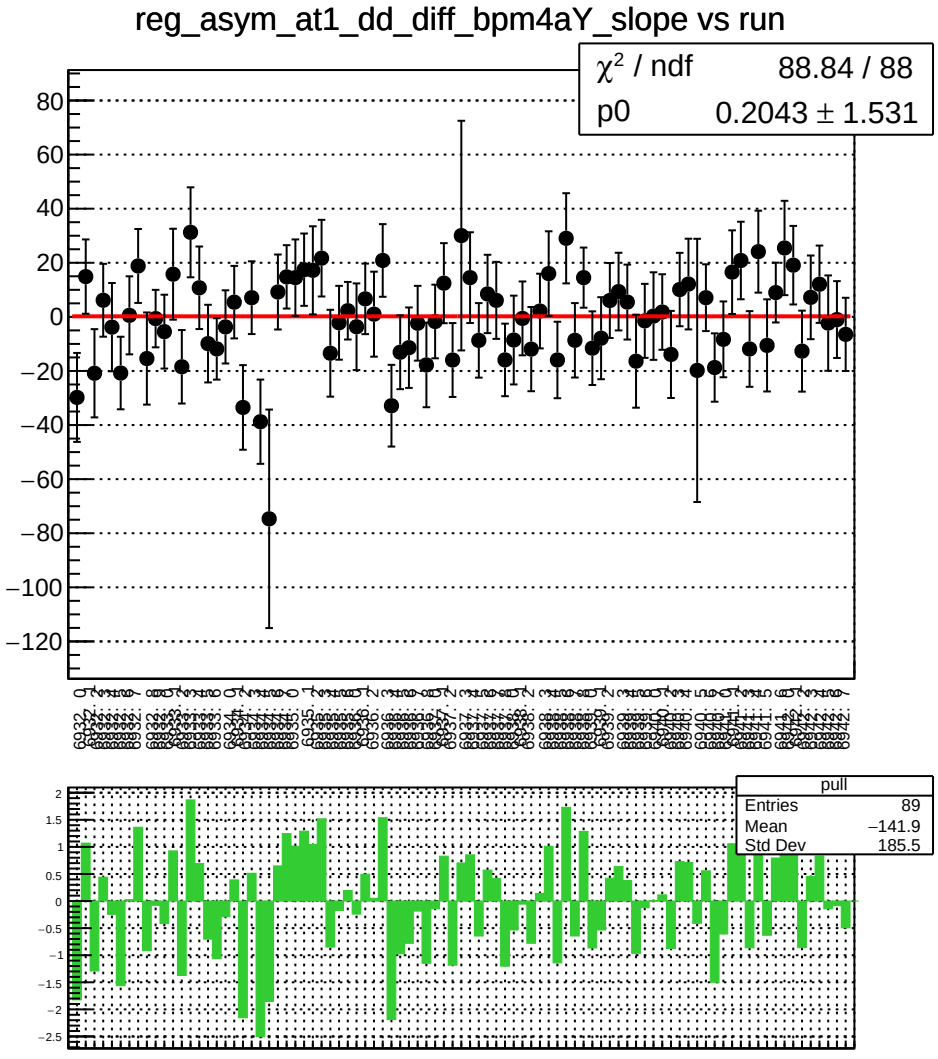

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.85 / 88
p0 21.02 ± 2.202
pull
Entries 89
Mean −163.4
Std Dev 223.3
pull1D
Entries 89
Mean −0.008166
Std Dev 0.7706

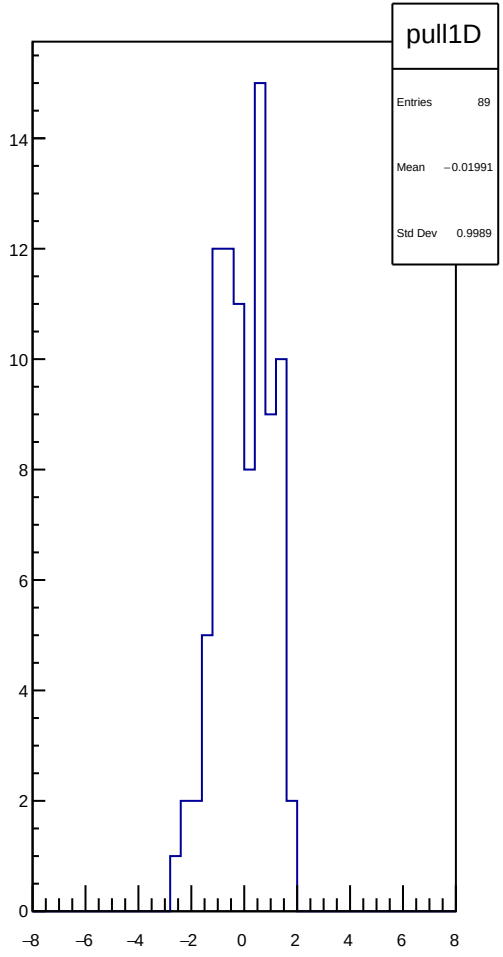

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.65 / 88
p0 0.5181 ± 1.872
pull
Entries 89
Mean 46.5
Std Dev 23.17

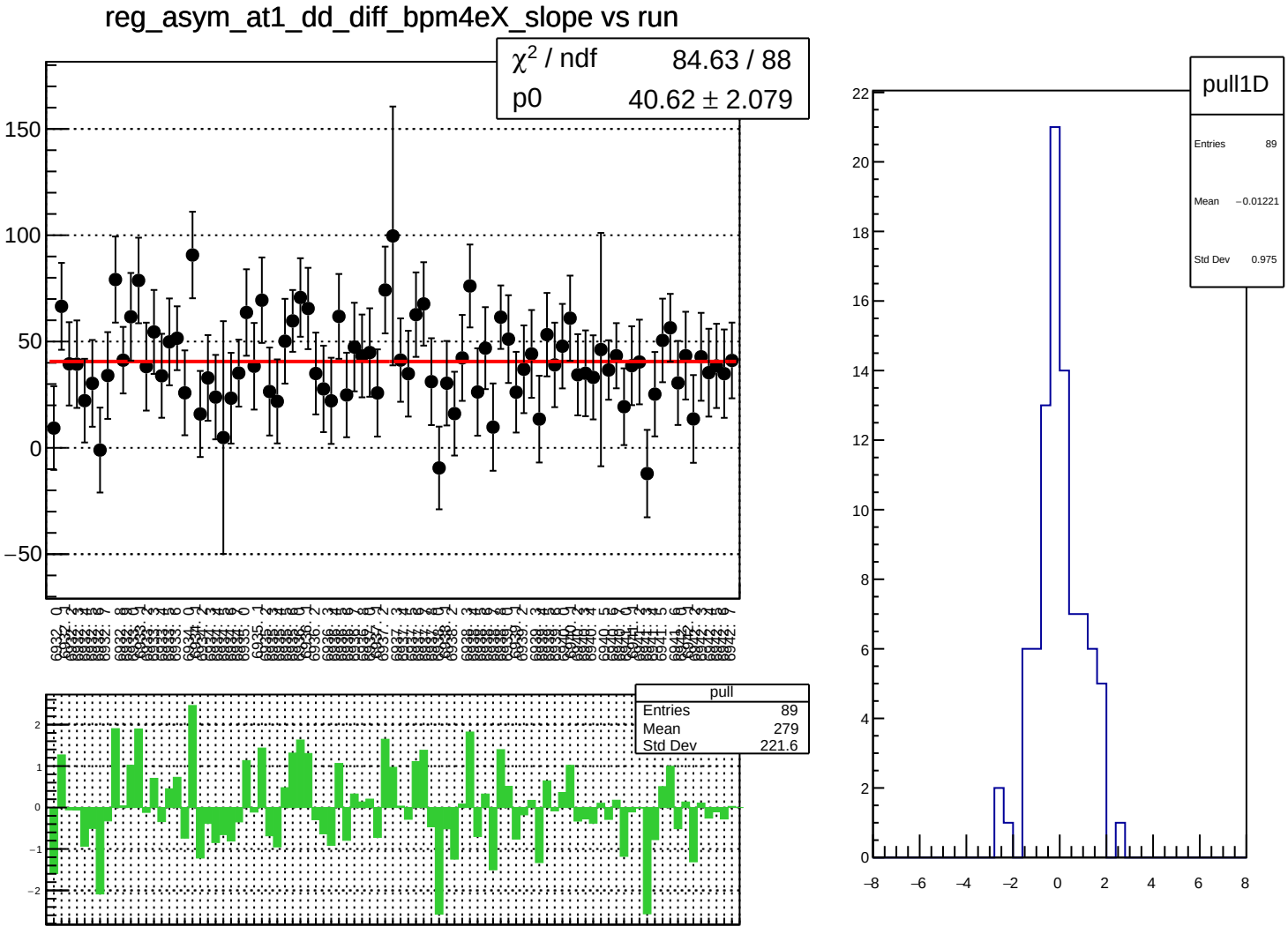

pull1D
Entries 89
Mean 0.01617
Std Dev 0.8587

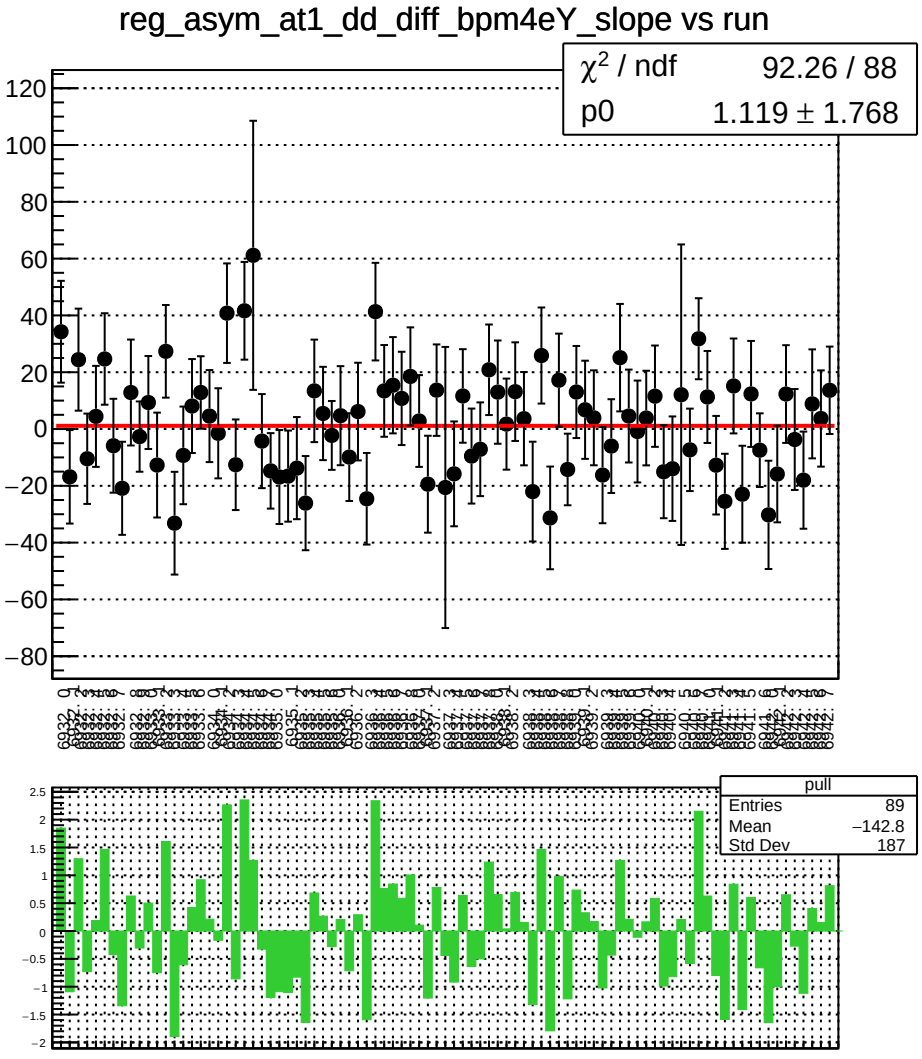

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 207 / 88
p0 −20.91 ± 0.07708
pull
Entries 89
Mean 594.7
Std Dev 554.5
pull1D
Entries 89
Mean 0.01012
Std Dev 1.525

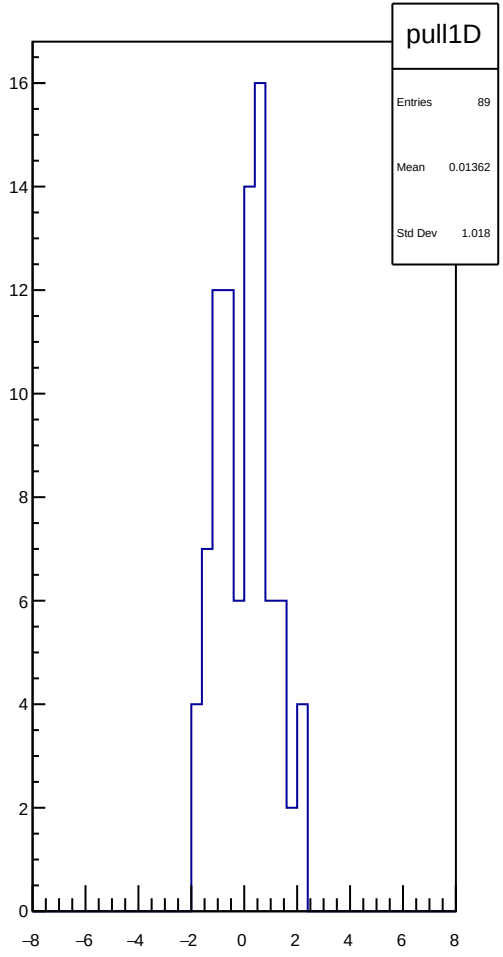

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 85.12 / 88
p0 7.361 ± 2.236
pull
Entries 89
Mean 242.7
Std Dev 179.1
pull1D
Entries 89
Mean 0.01177
Std Dev 0.9779

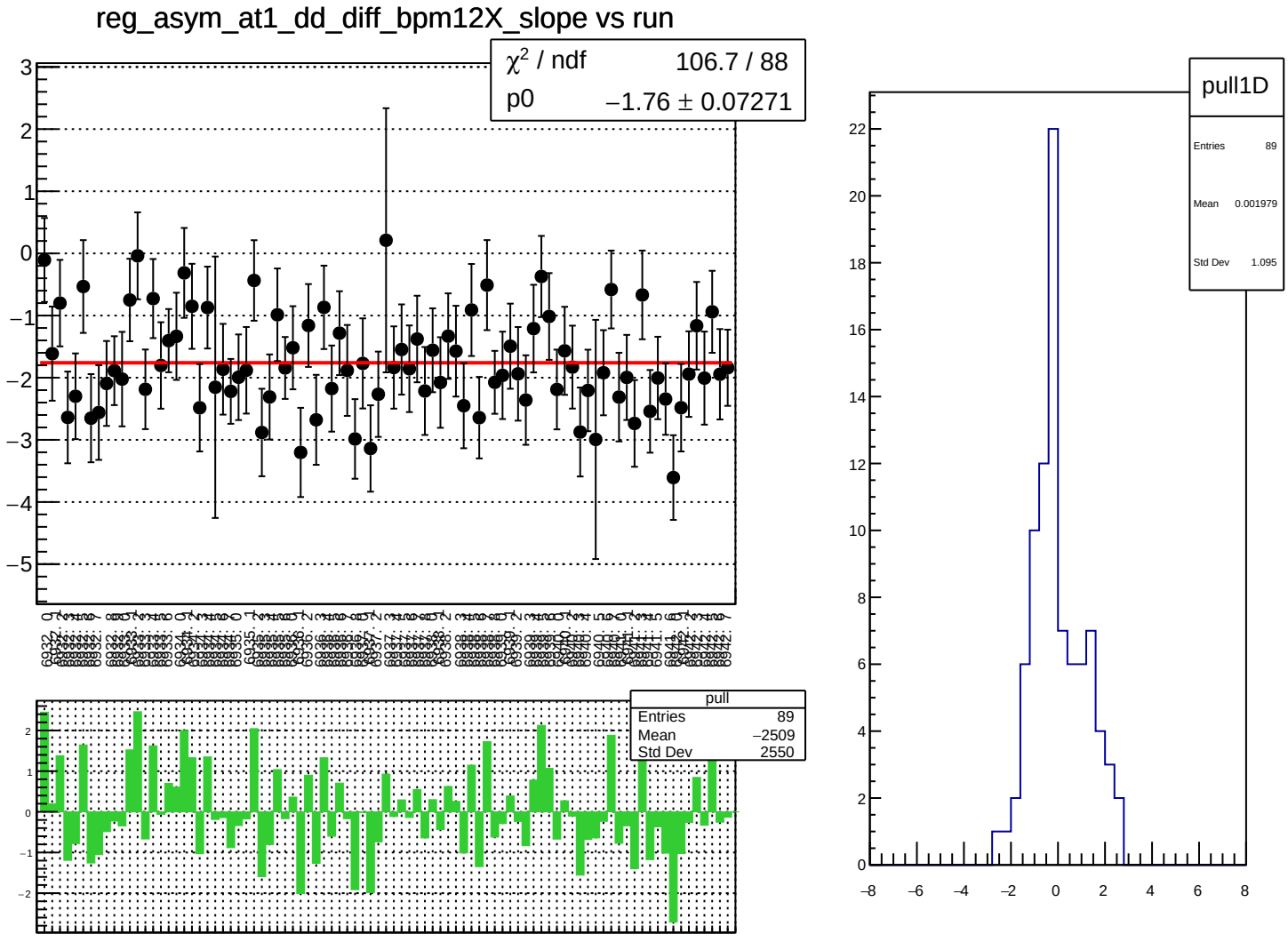

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.84 / 88
p0 0.2043 ± 1.531
pull
Entries 89
Mean −141.9
Std Dev 185.5

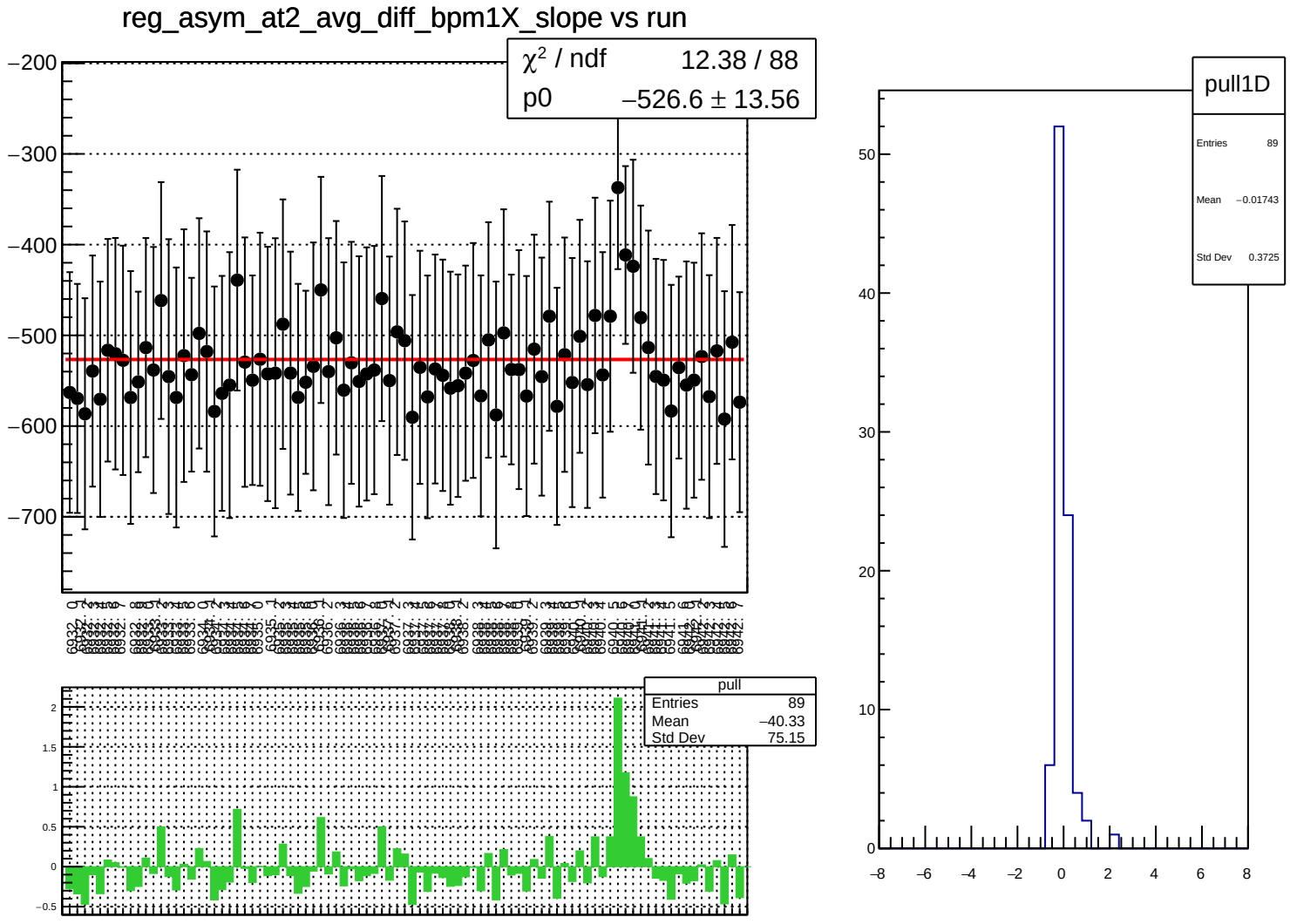

pull1D
Entries 89
Mean −0.01991
Std Dev 0.9989

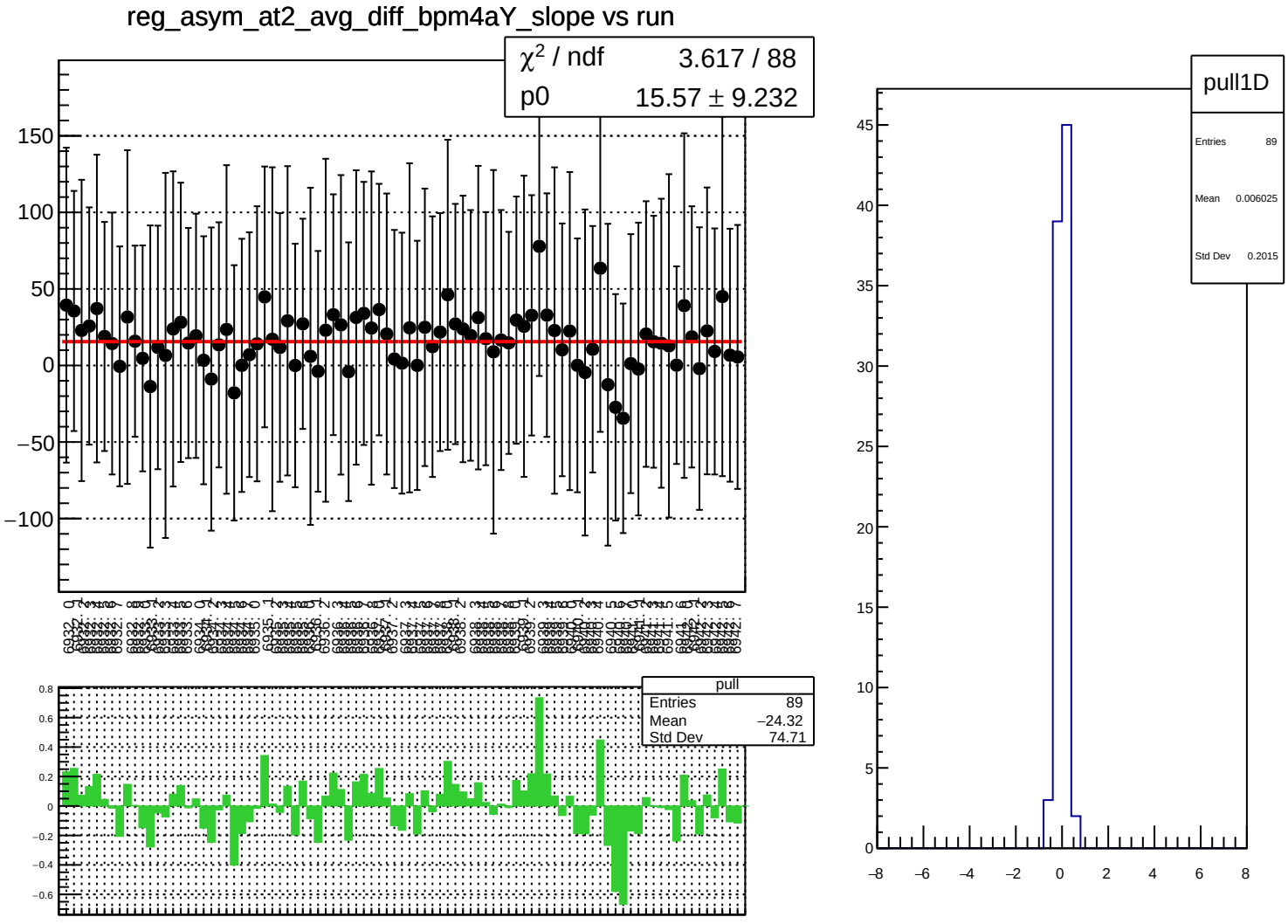

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 84.63 / 88
p0 40.62 ± 2.079
pull
Entries 89
Mean 279
Std Dev 221.6
pull1D
Entries 89
Mean −0.01221
Std Dev 0.975

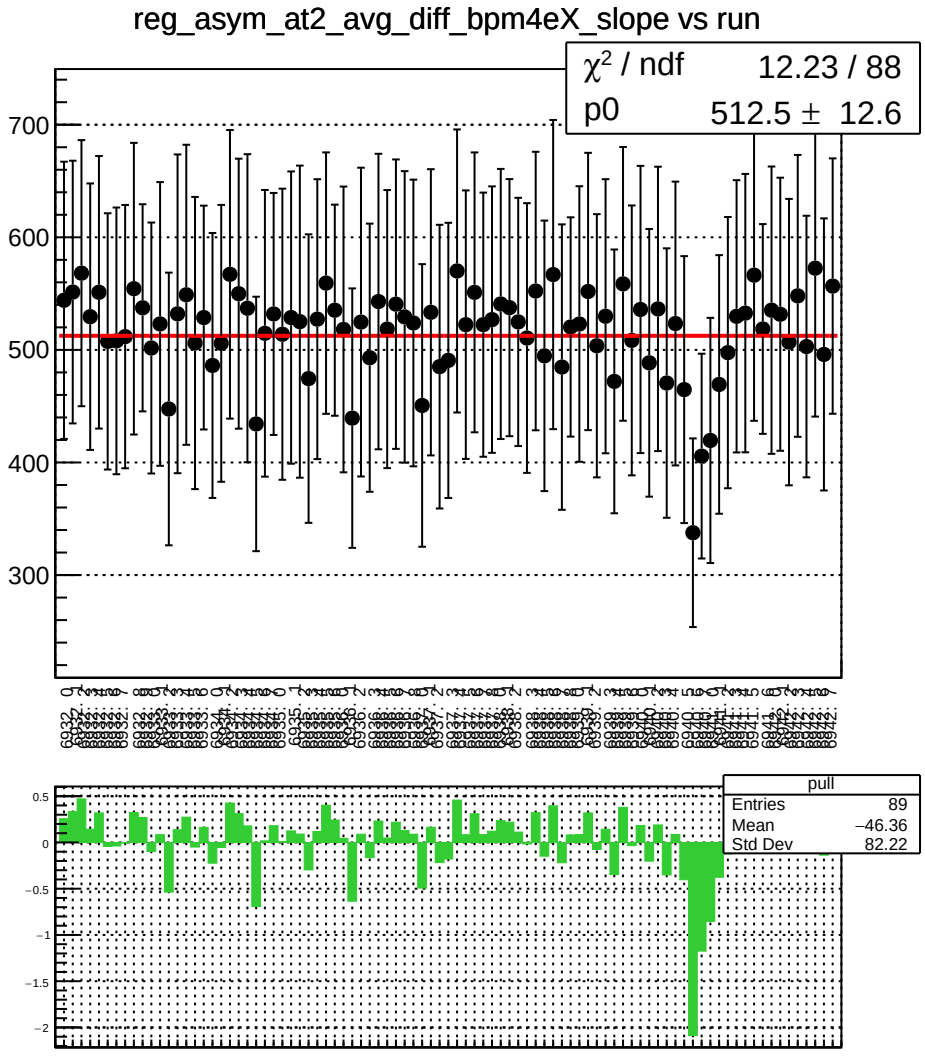

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 92.26 / 88
p0 1.119 ± 1.768
pull
Entries 89
Mean −142.8
Std Dev 187

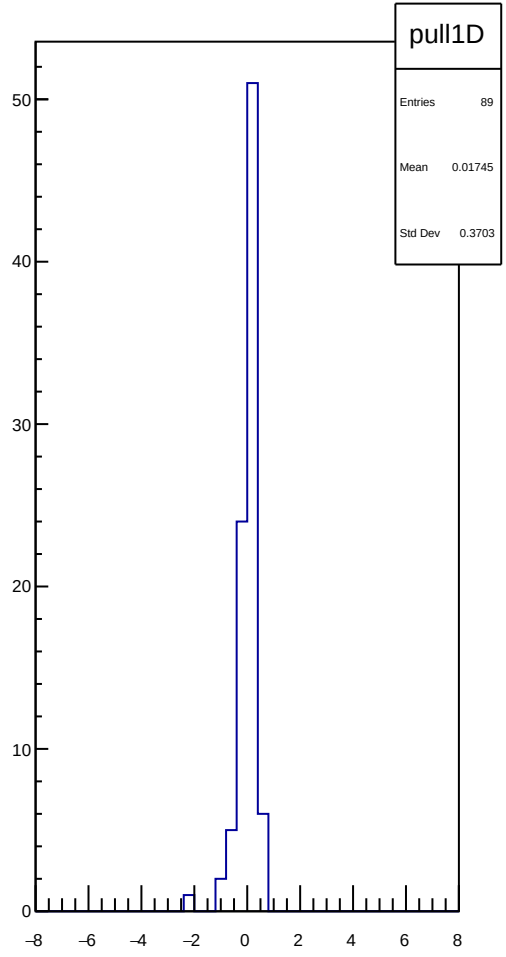

pull1D
Entries 89
Mean 0.01362
Std Dev 1.018

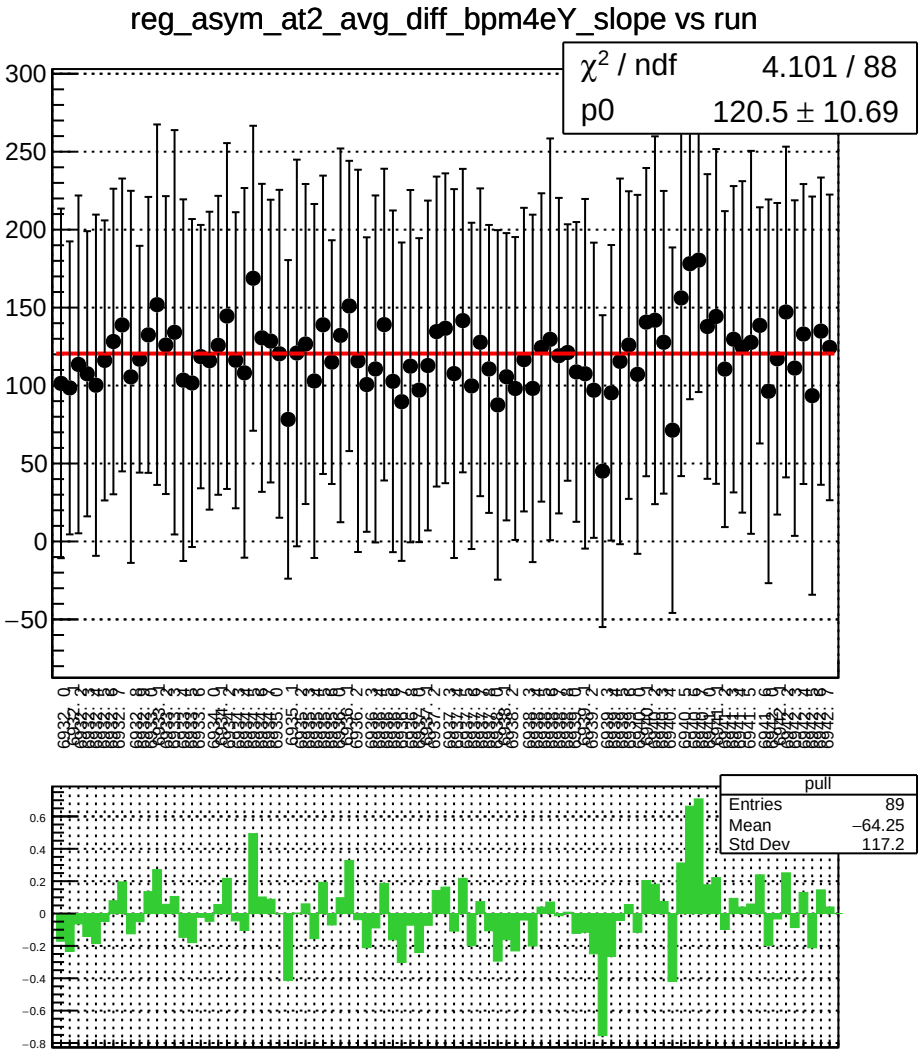

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 106.7 / 88
p0 −1.76 ± 0.07271
pull
Entries 89
Mean −2509
Std Dev 2550
pull1D
Entries 89
Mean 0.001979
Std Dev 1.095

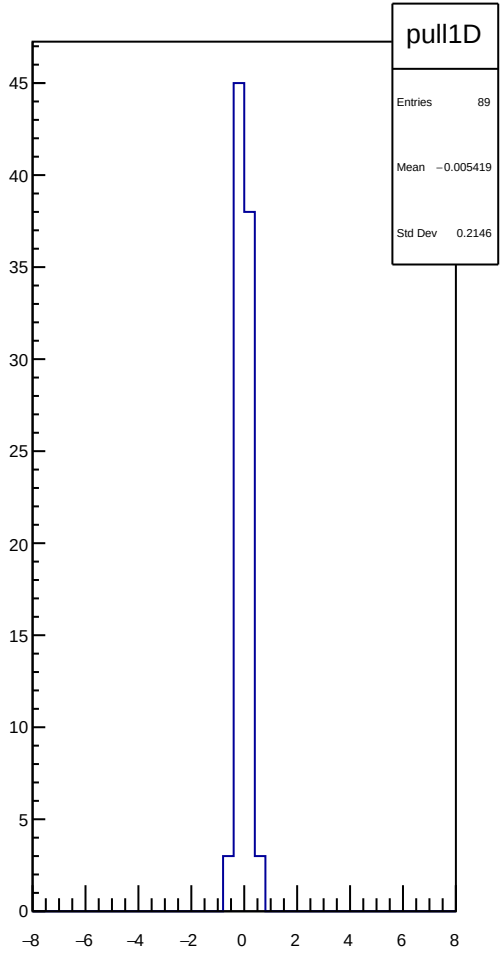

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.38 / 88
p0 −526.6 ± 13.56
pull
Entries 89
Mean −40.33
Std Dev 75.15
pull1D
Entries 89
Mean −0.01743
Std Dev 0.3725

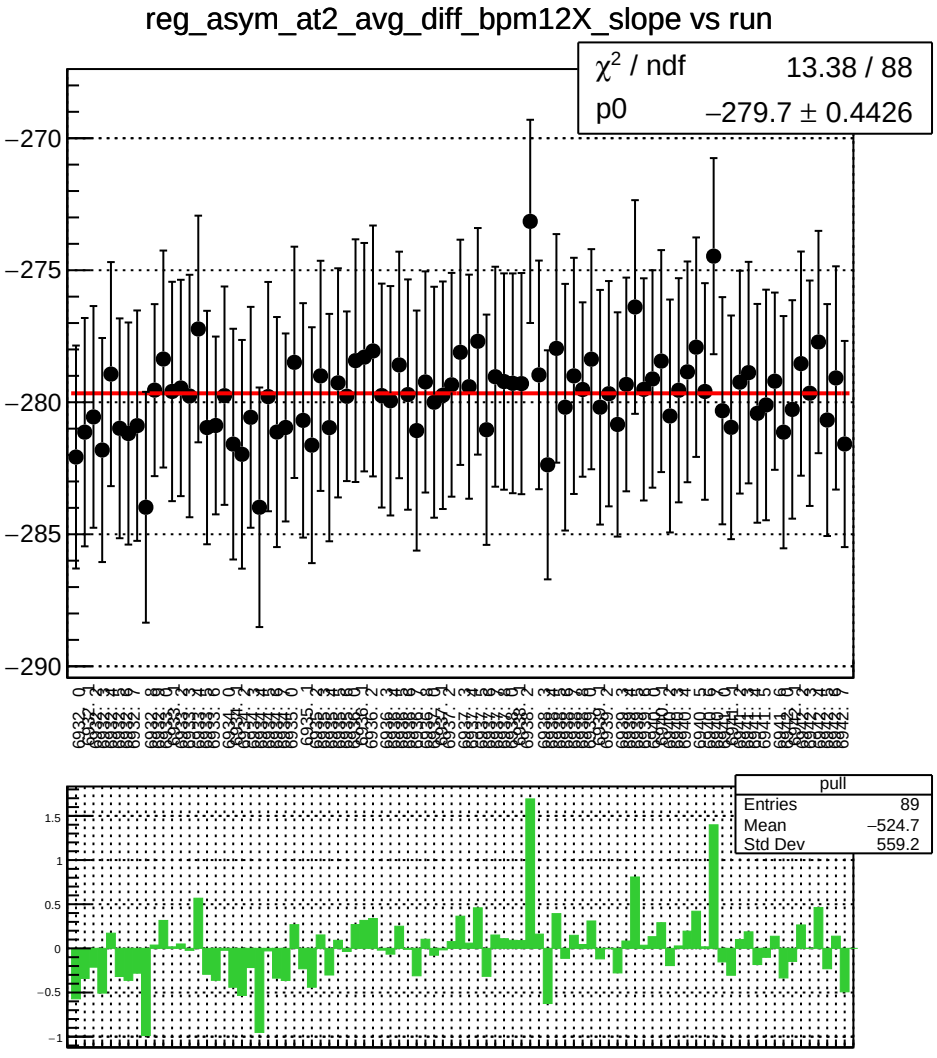

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.617 / 88
p0 15.57 ± 9.232
pull
Entries 89
Mean −24.32
Std Dev 74.71
pull1D
Entries 89
Mean 0.006025
Std Dev 0.2015

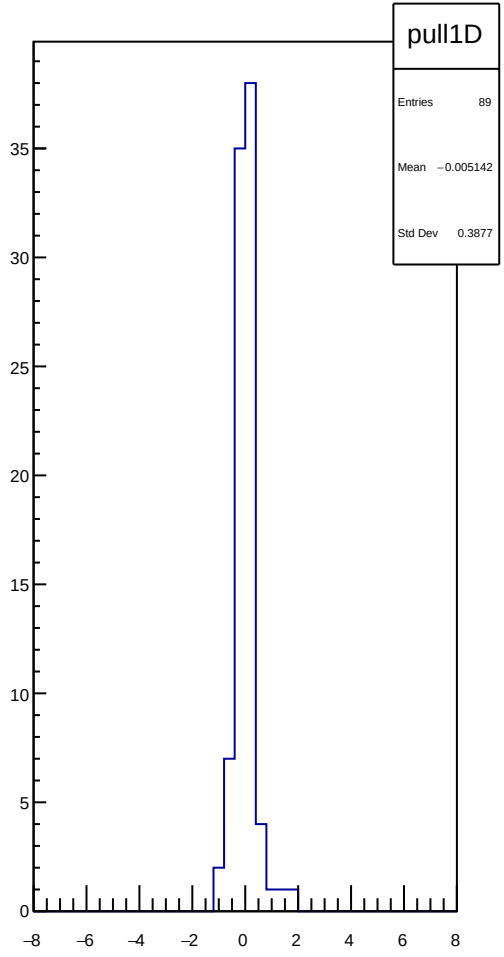

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.23 / 88
p0 512.5 ± 12.6
700
600
500
400
300
pull
Entries 89
Mean −46.36
Std Dev 82.22
0.5
0
−0.5
−1
−1.5
−2

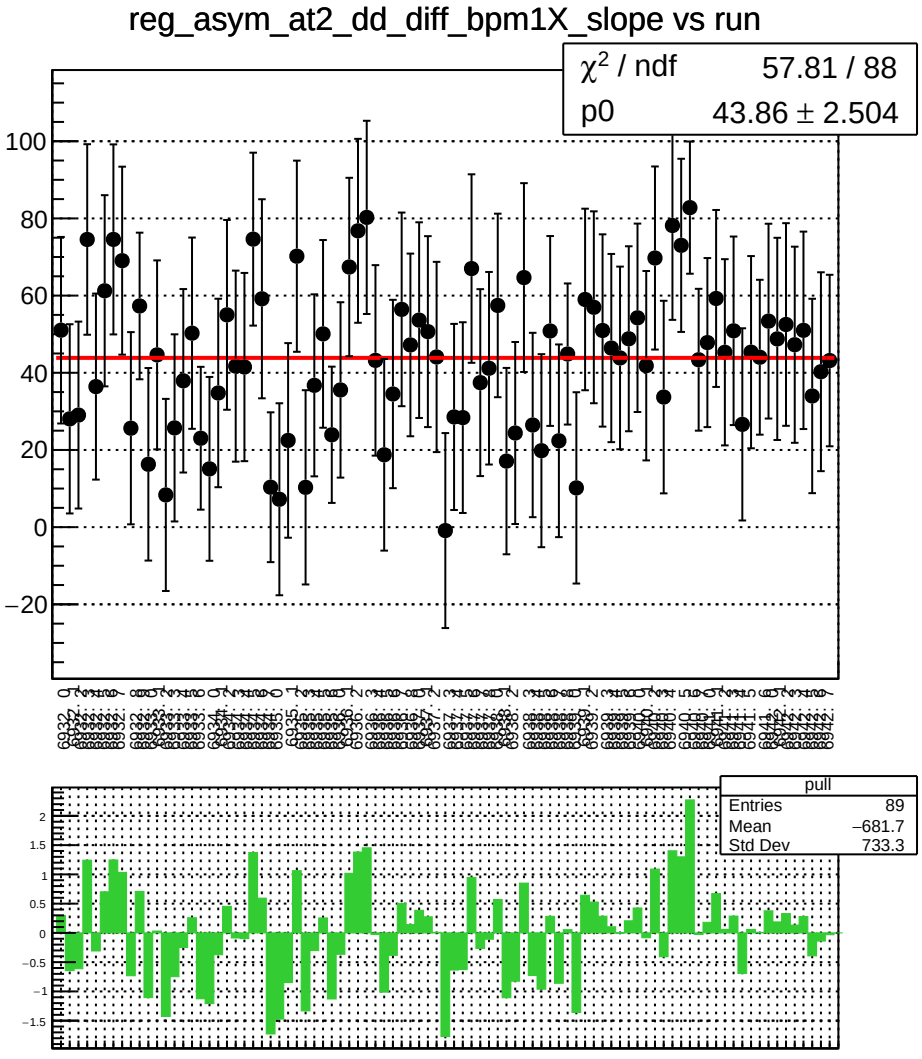

pull1D
Entries 89
Mean 0.01745
Std Dev 0.3703
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

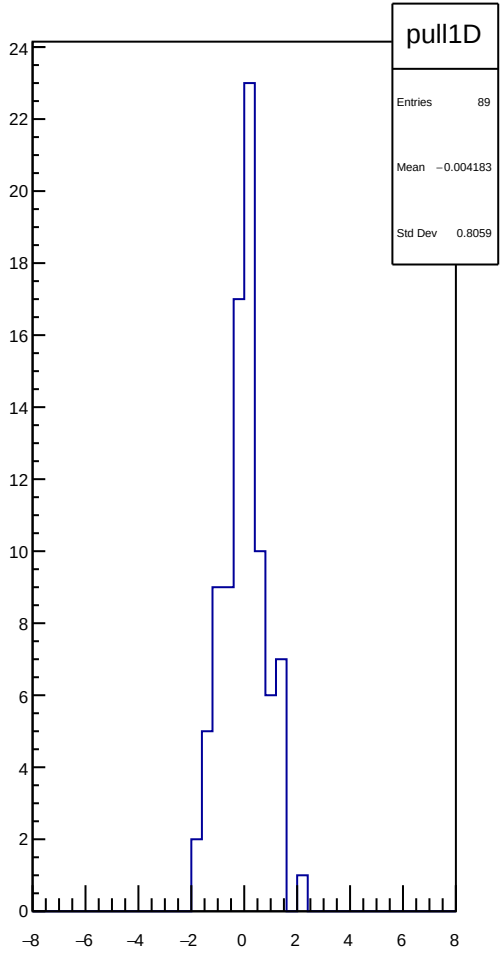

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.101 / 88
p0 120.5 ± 10.69
pull
Entries 89
Mean −64.25
Std Dev 117.2

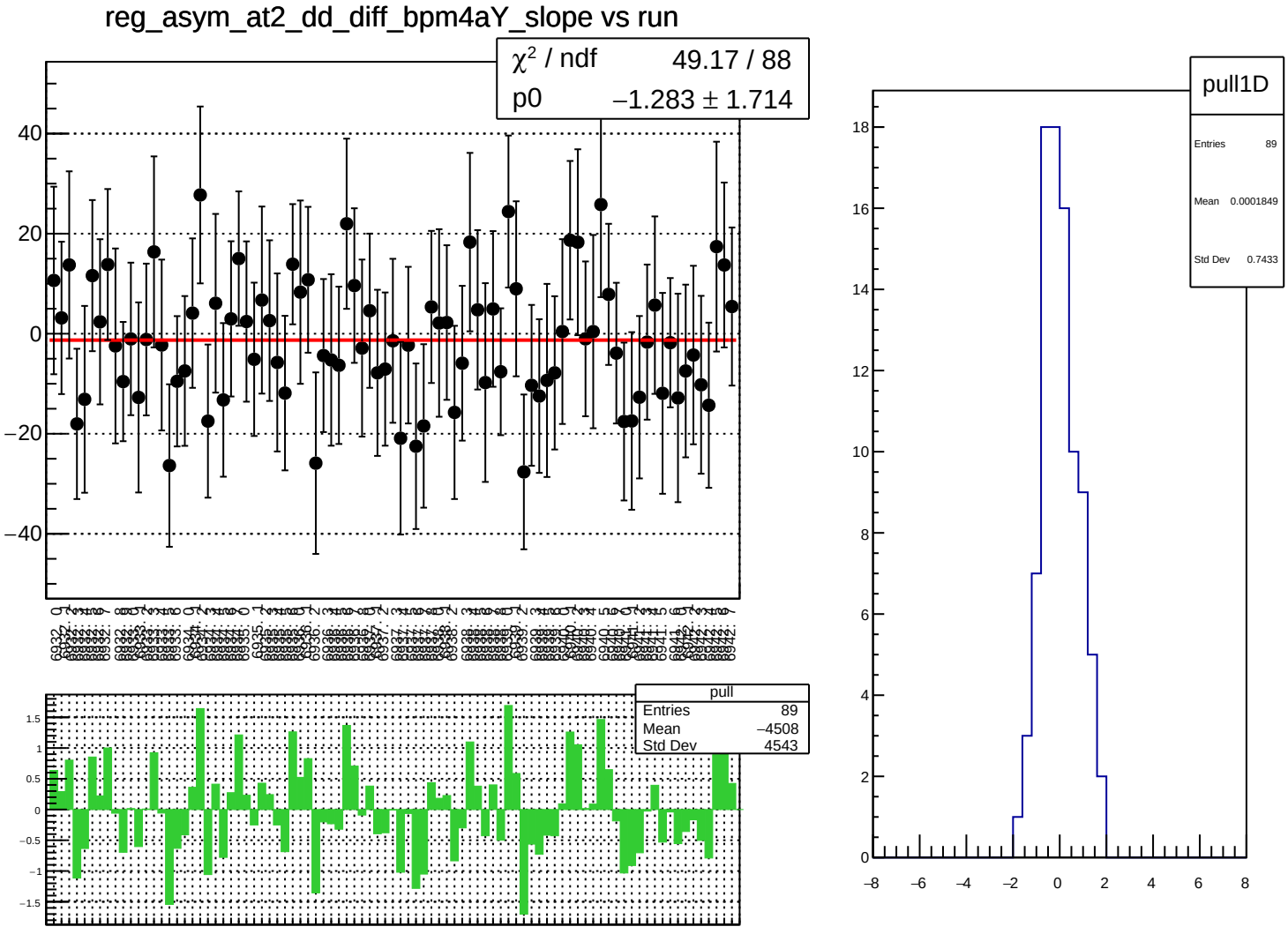

pull1D
Entries 89
Mean −0.005419
Std Dev 0.2146

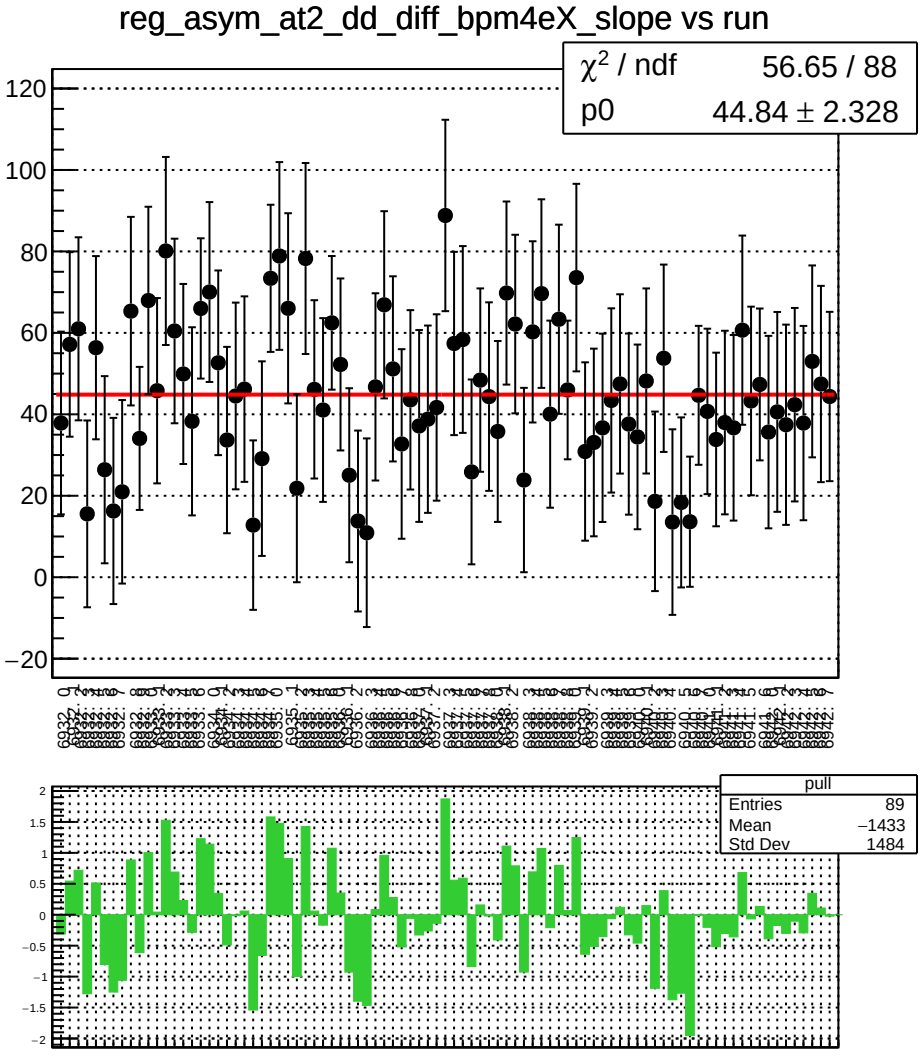

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.38 / 88
p0 −279.7 ± 0.4426
−270
−275
−280
−285
−290
pull
Entries 89
Mean −524.7
Std Dev 559.2
1.5
1
0.5
0
−0.5
−1

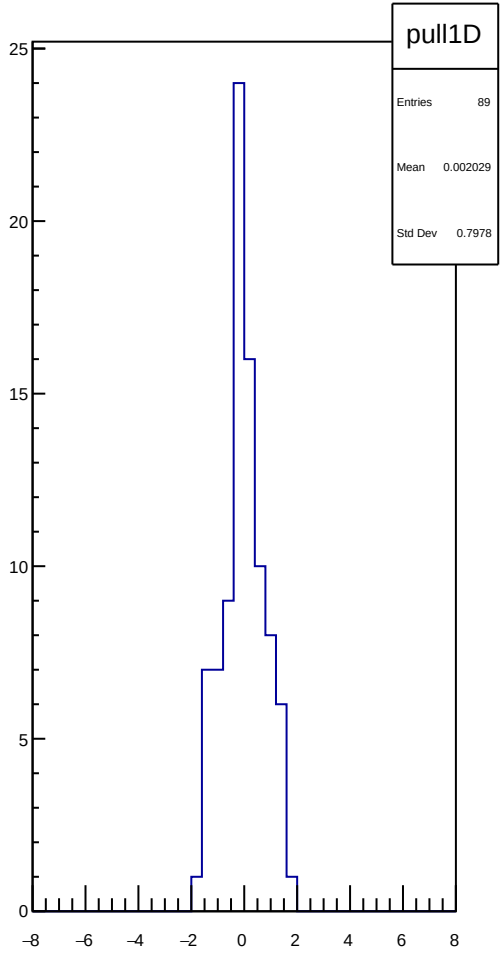

pull1D
Entries 89
Mean −0.005142
Std Dev 0.3877
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

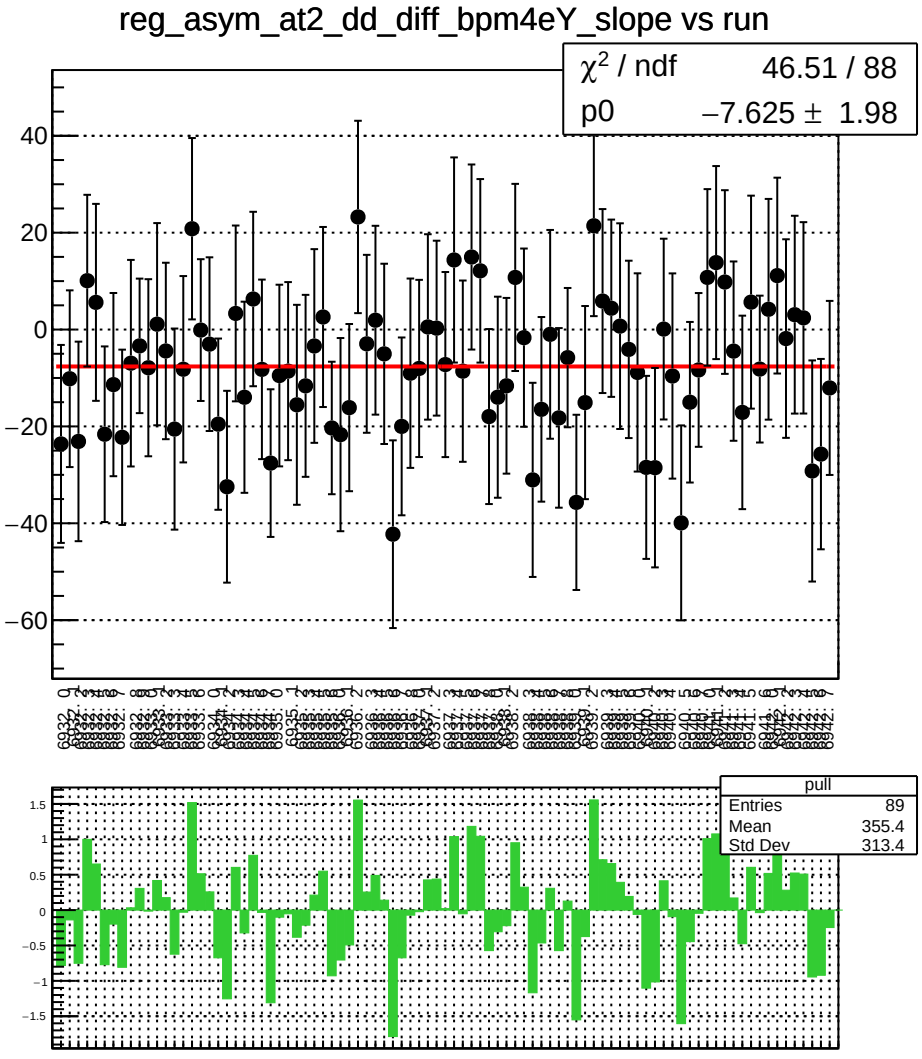

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 57.81 / 88
p0 43.86 ± 2.504
pull
Entries 89
Mean −681.7
Std Dev 733.3

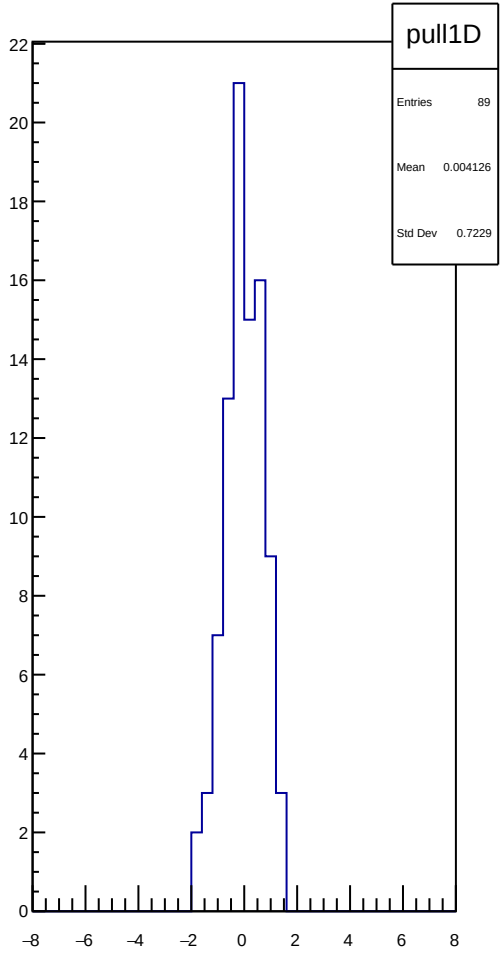

pull1D
Entries 89
Mean −0.004183
Std Dev 0.8059

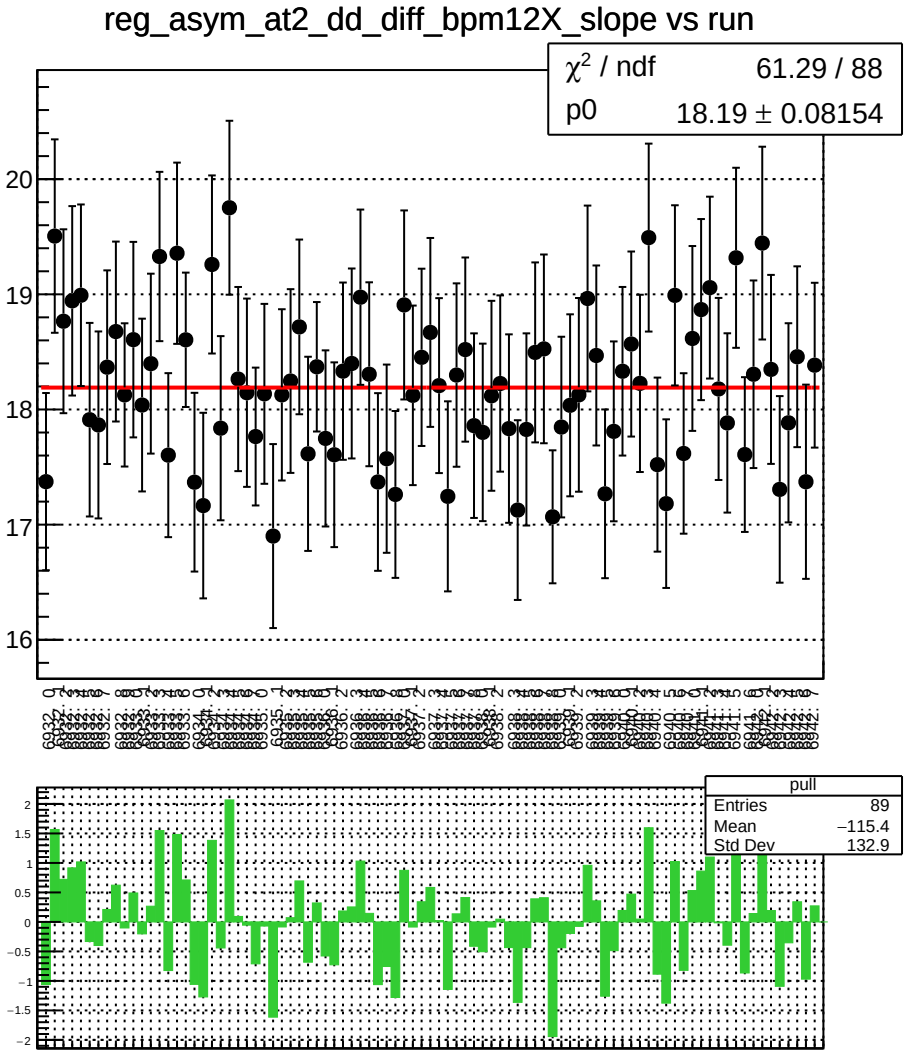

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 49.17 / 88
p0 −1.283 ± 1.714
pull
Entries 89
Mean −4508
Std Dev 4543
pull1D
Entries 89
Mean 0.0001849
Std Dev 0.7433

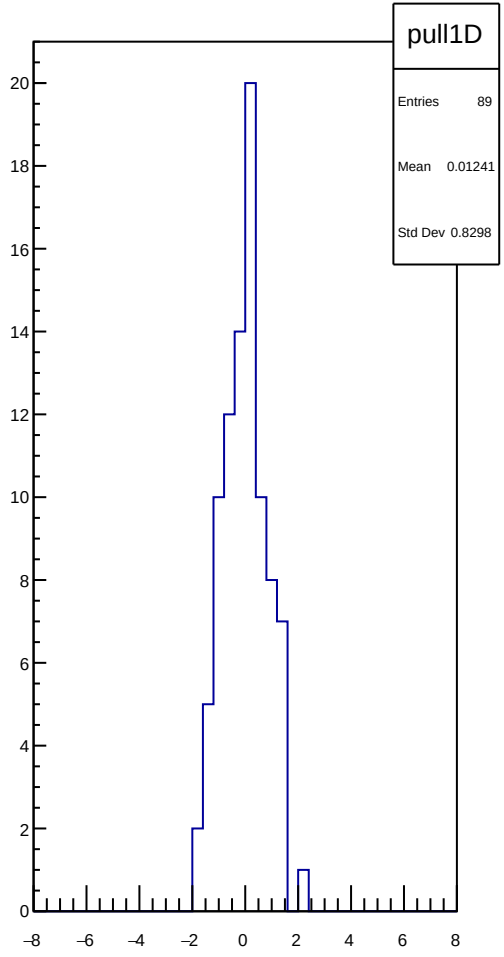

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 56.65 / 88
p0 44.84 ± 2.328
pull
Entries 89
Mean −1433
Std Dev 1484

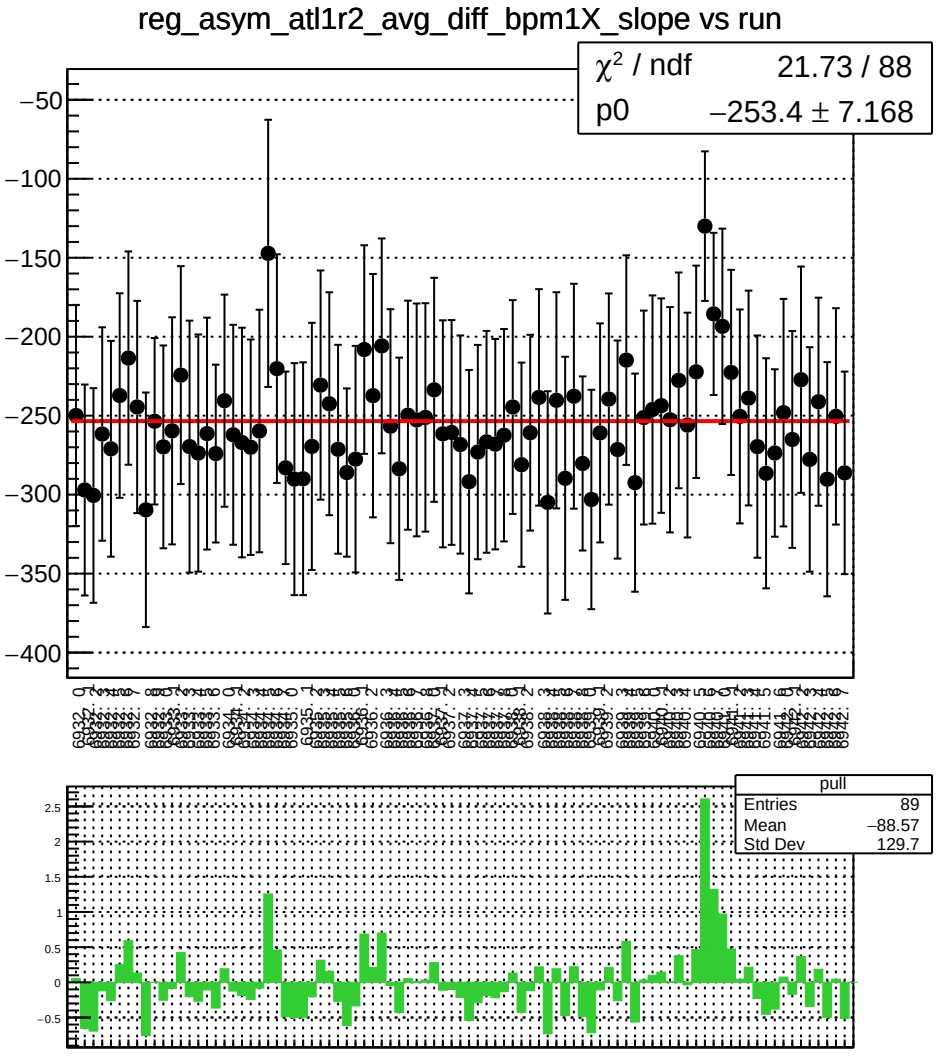

pull1D
Entries 89
Mean 0.002029
Std Dev 0.7978

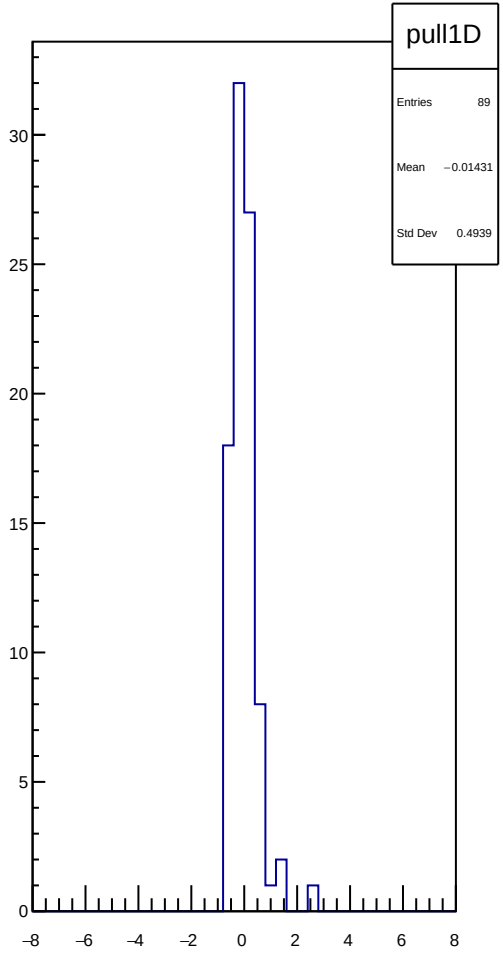

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 46.51 / 88
p0 −7.625 ± 1.98
pull
Entries 89
Mean 355.4
Std Dev 313.4

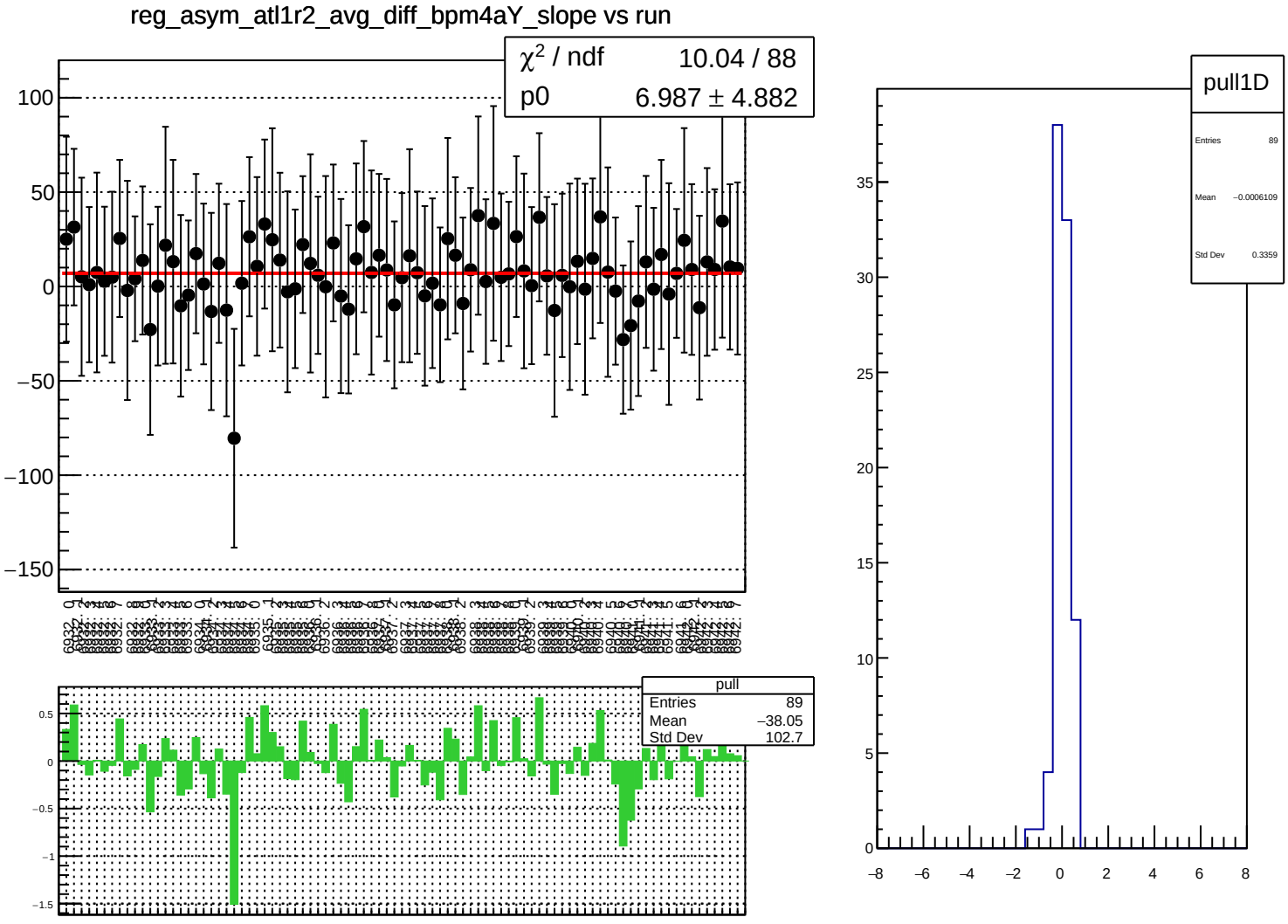

pull1D
Entries 89
Mean 0.004126
Std Dev 0.7229

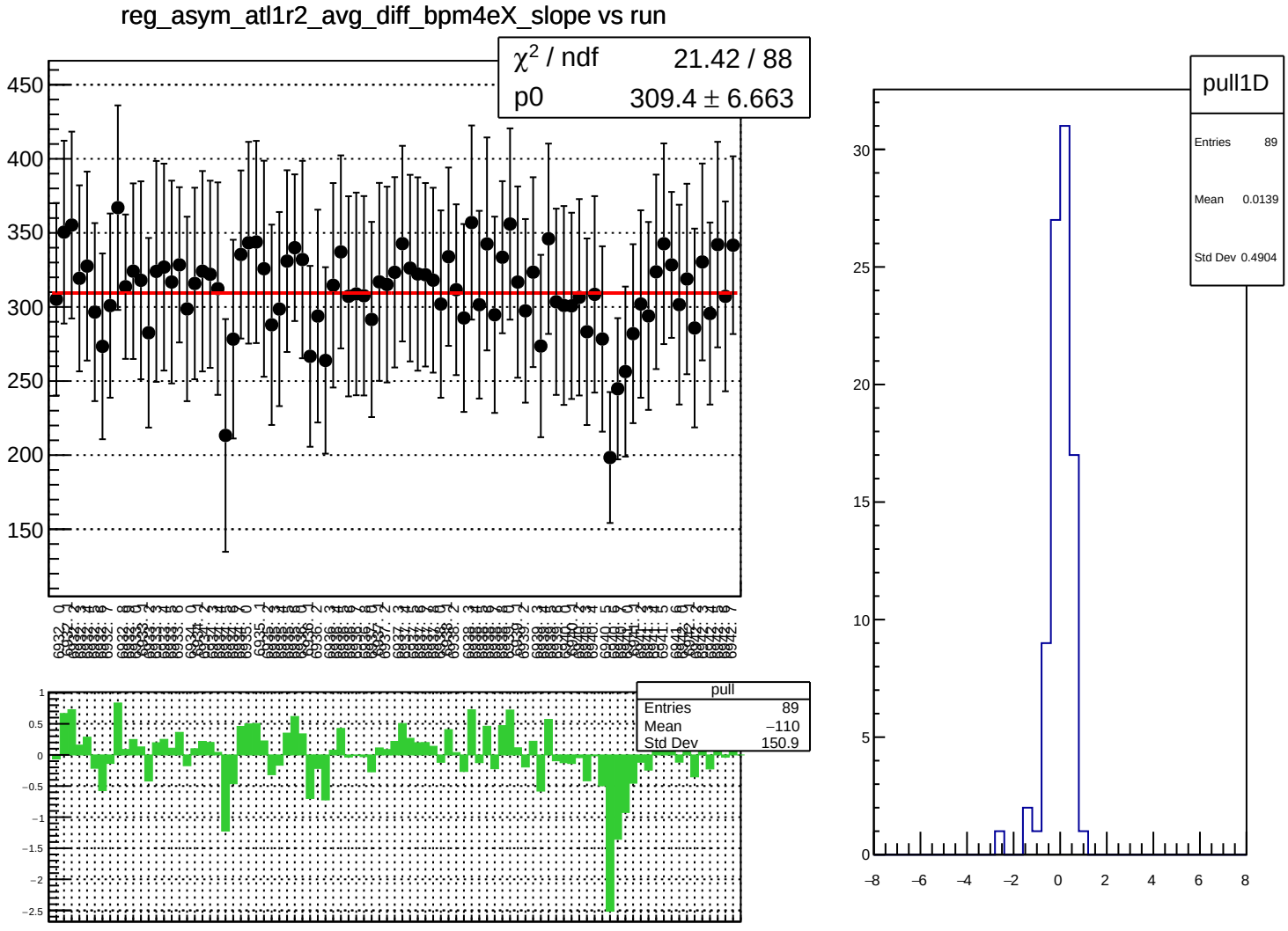

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 61.29 / 88
p0 18.19 ± 0.08154
pull
Entries 89
Mean −115.4
Std Dev 132.9

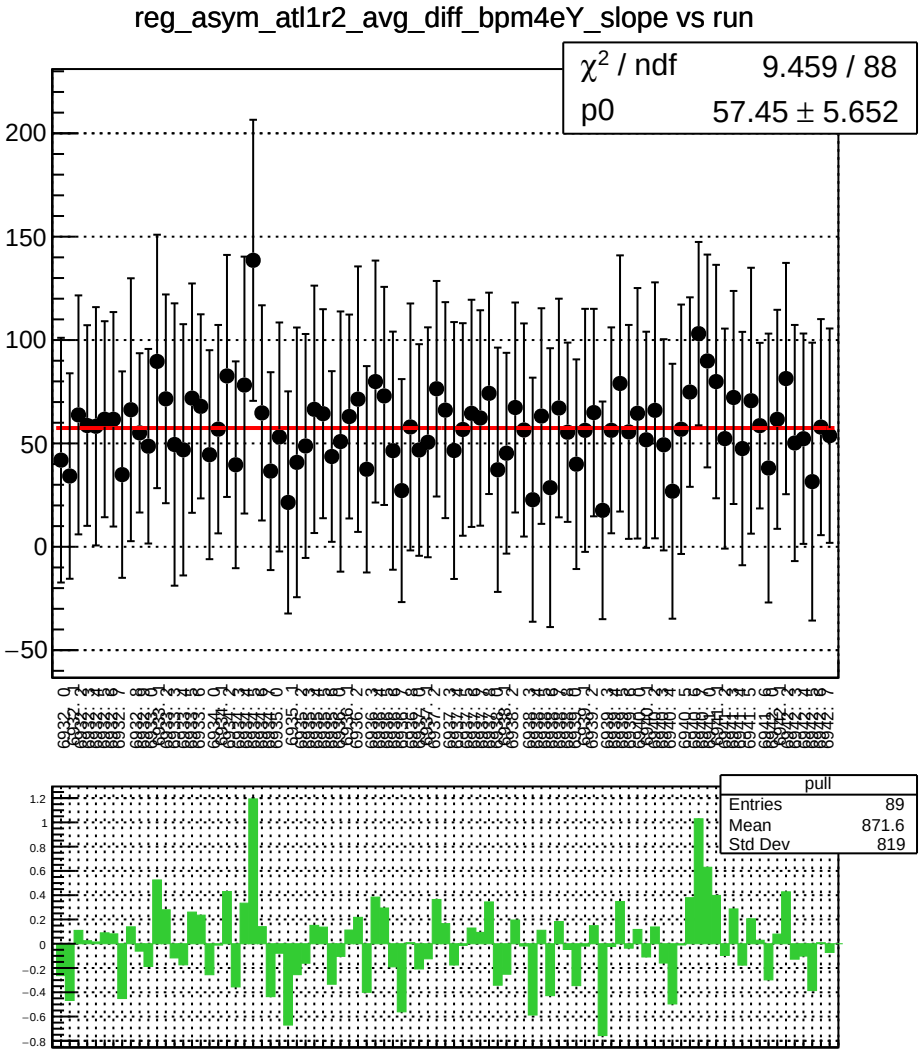

pull1D
Entries 89
Mean 0.01241
Std Dev 0.8298

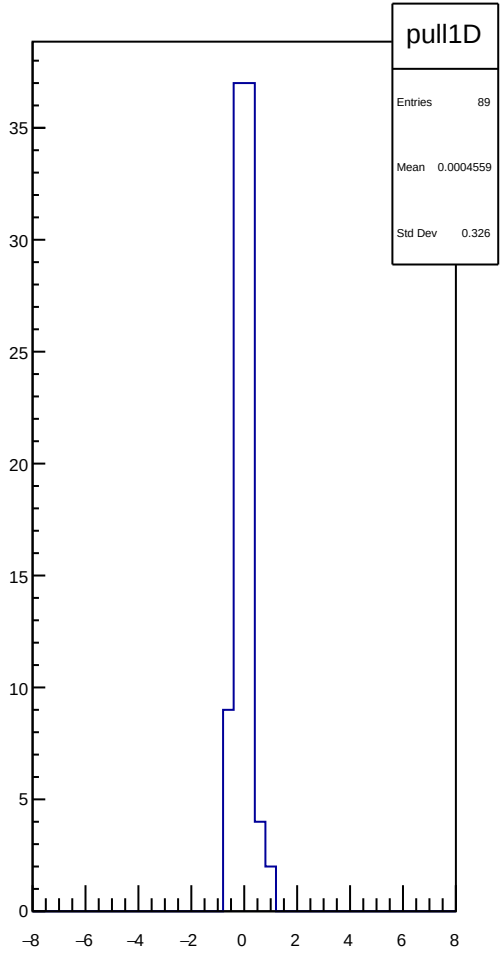

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 21.73 / 88
p0 −253.4 ± 7.168
pull
Entries 89
Mean −88.57
Std Dev 129.7

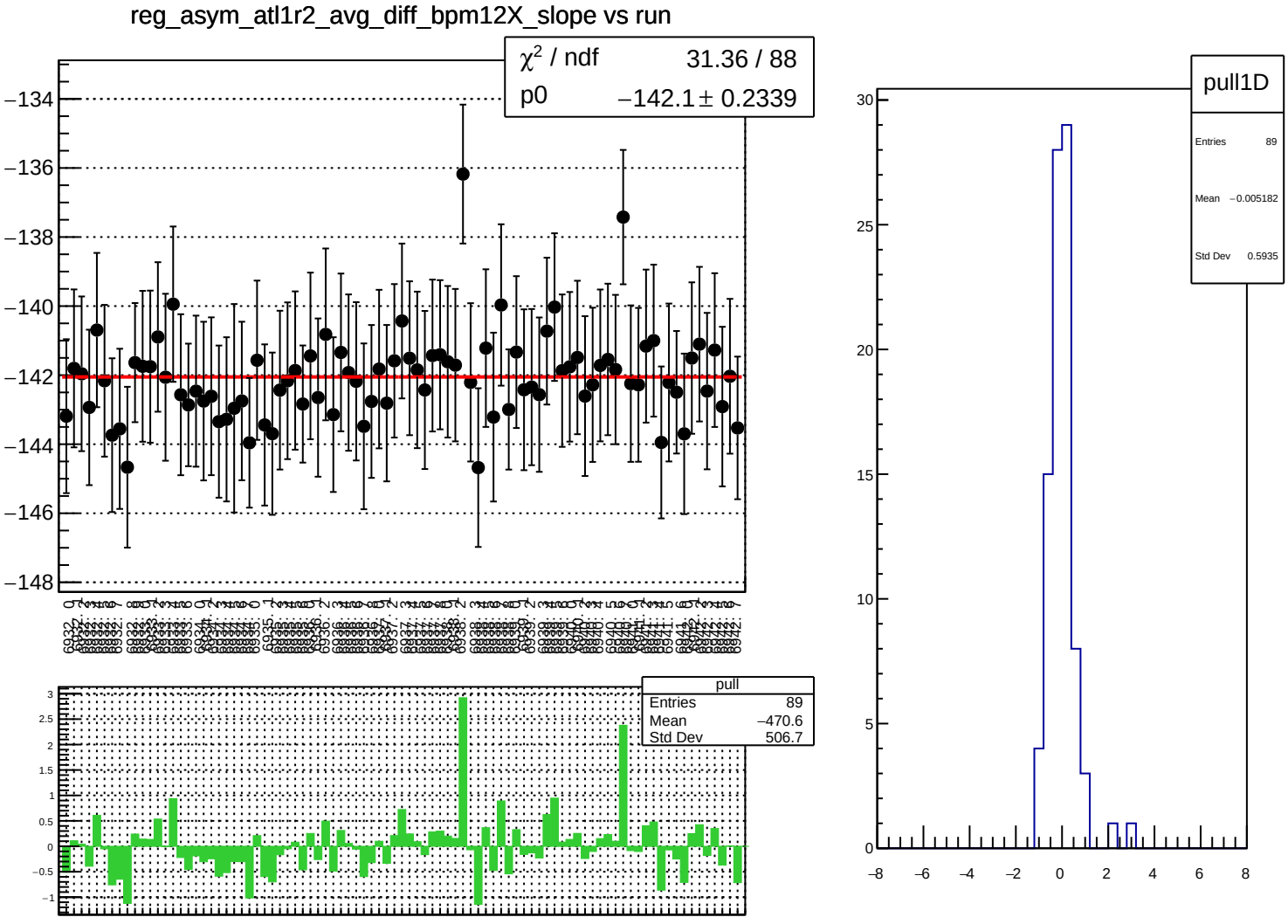

pull1D
Entries 89
Mean −0.01431
Std Dev 0.4939

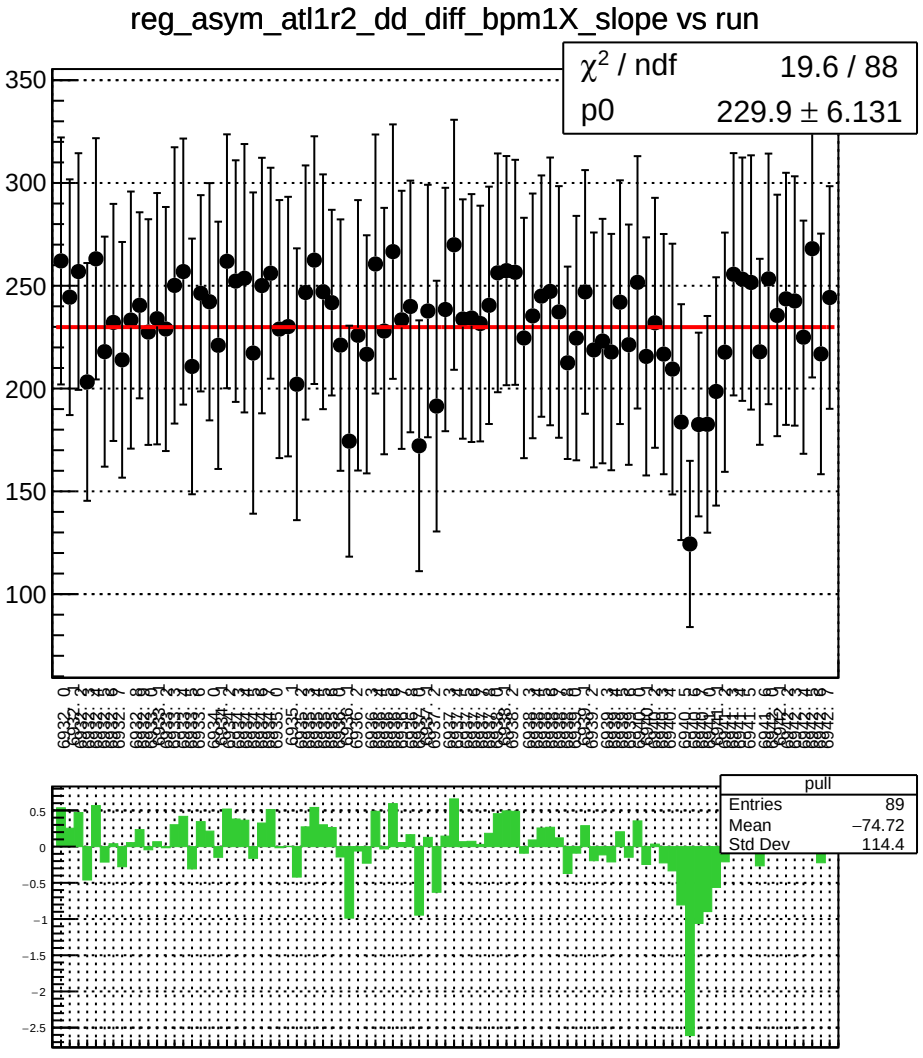

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.04 / 88
p0 6.987 ± 4.882
pull
Entries 89
Mean −38.05
Std Dev 102.7
pull1D
Entries 89
Mean −0.0006109
Std Dev 0.3359

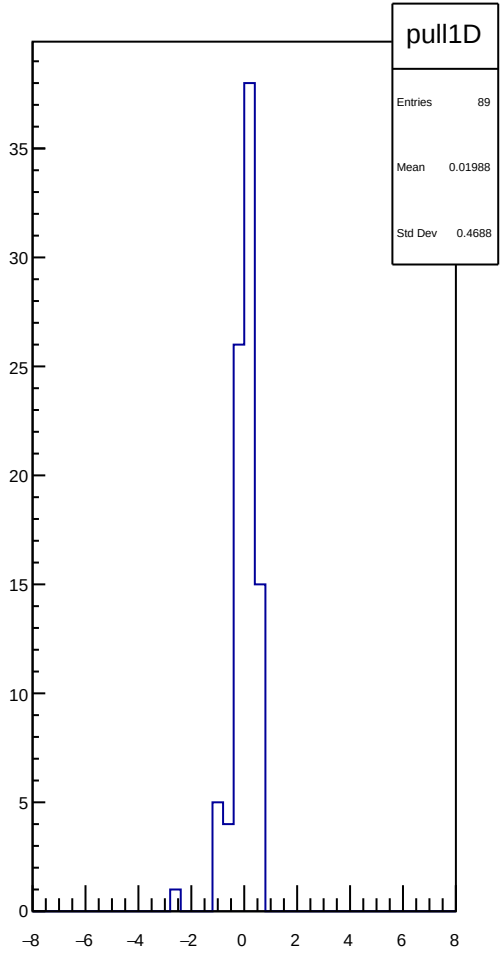

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.42 / 88
p0 309.4 ± 6.663
pull
Entries 89
Mean −110
Std Dev 150.9
pull1D
Entries 89
Mean 0.0139
Std Dev 0.4904

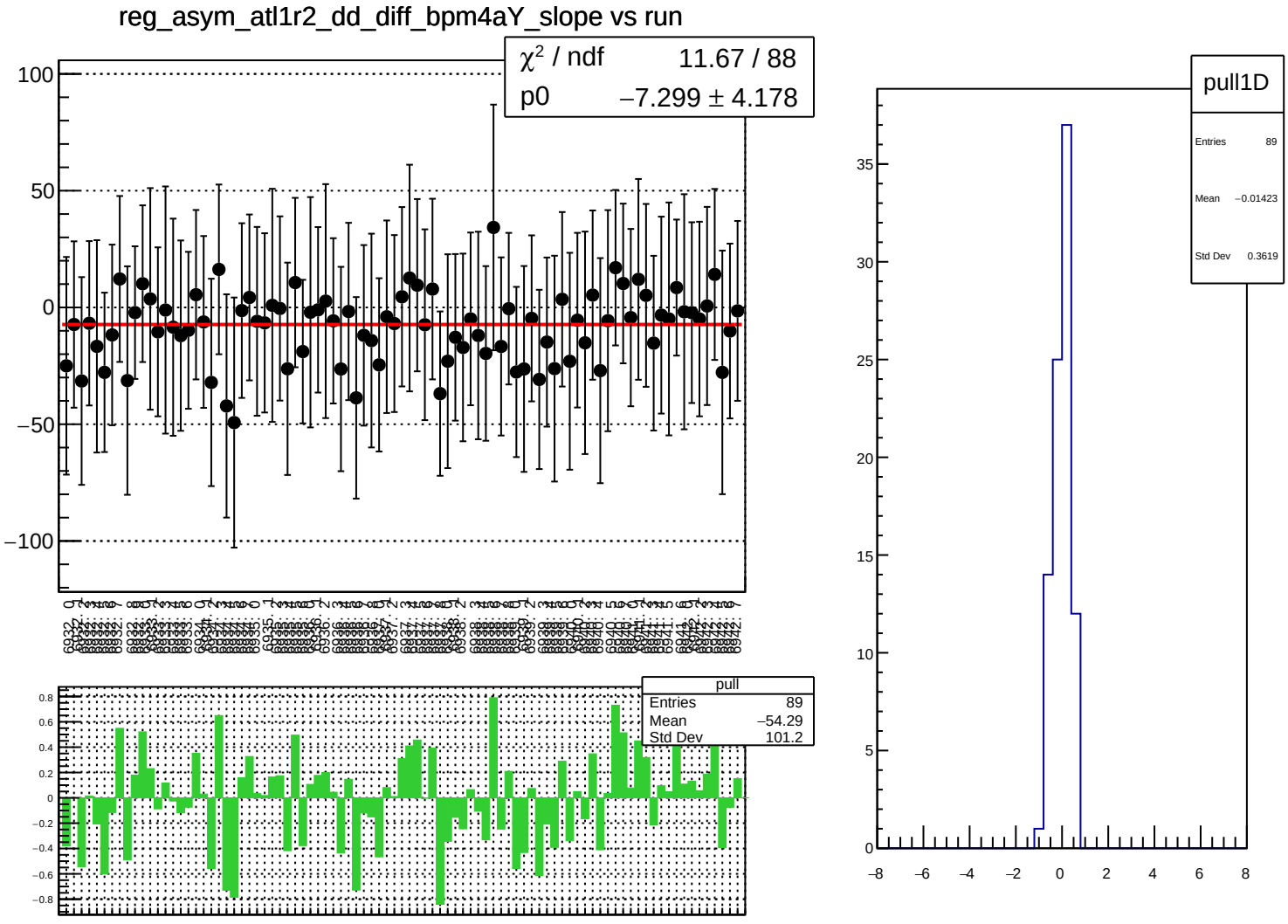

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.459 / 88
p0 57.45 ± 5.652
pull
Entries 89
Mean 871.6
Std Dev 819

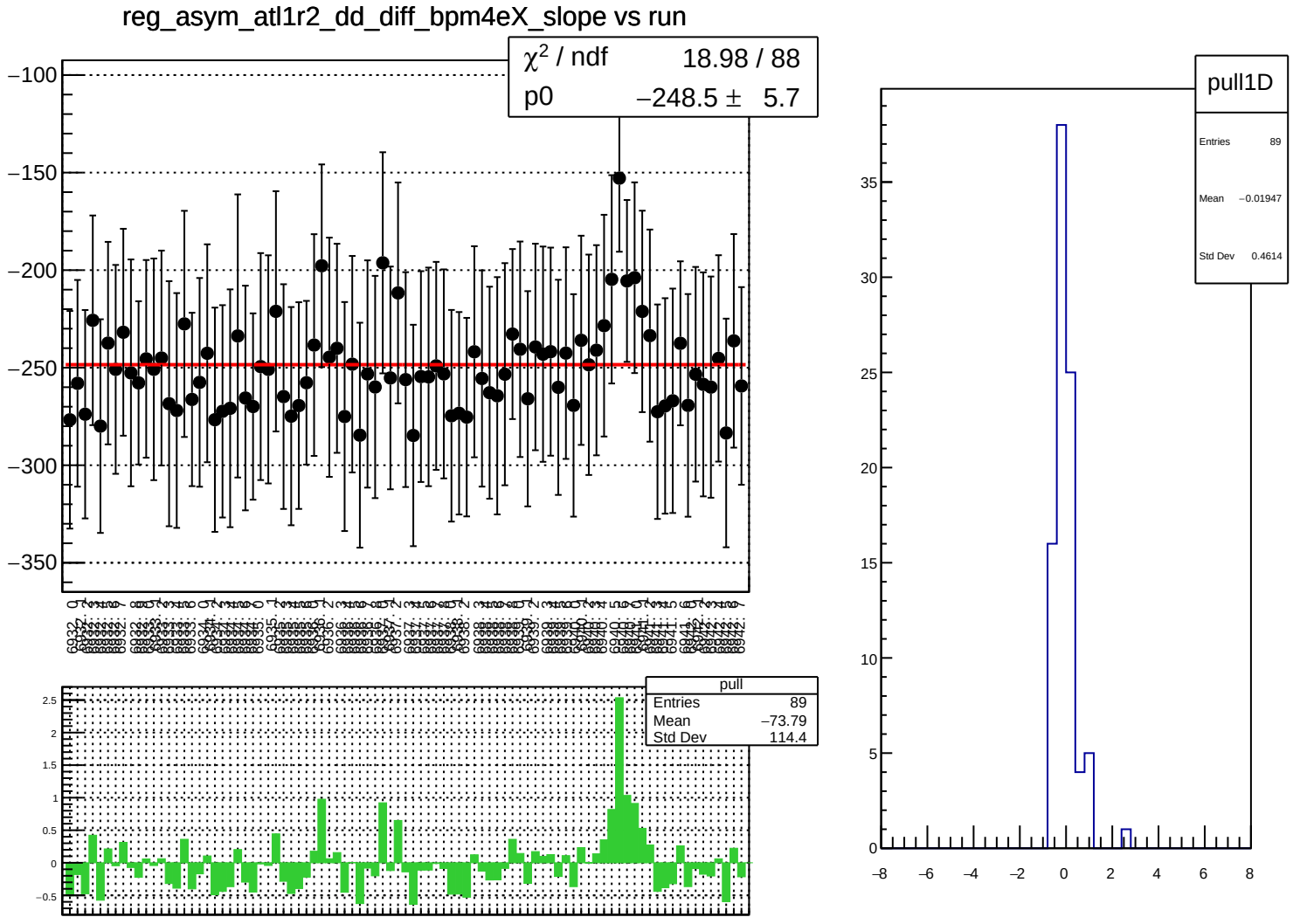

pull1D
Entries 89
Mean 0.0004559
Std Dev 0.326

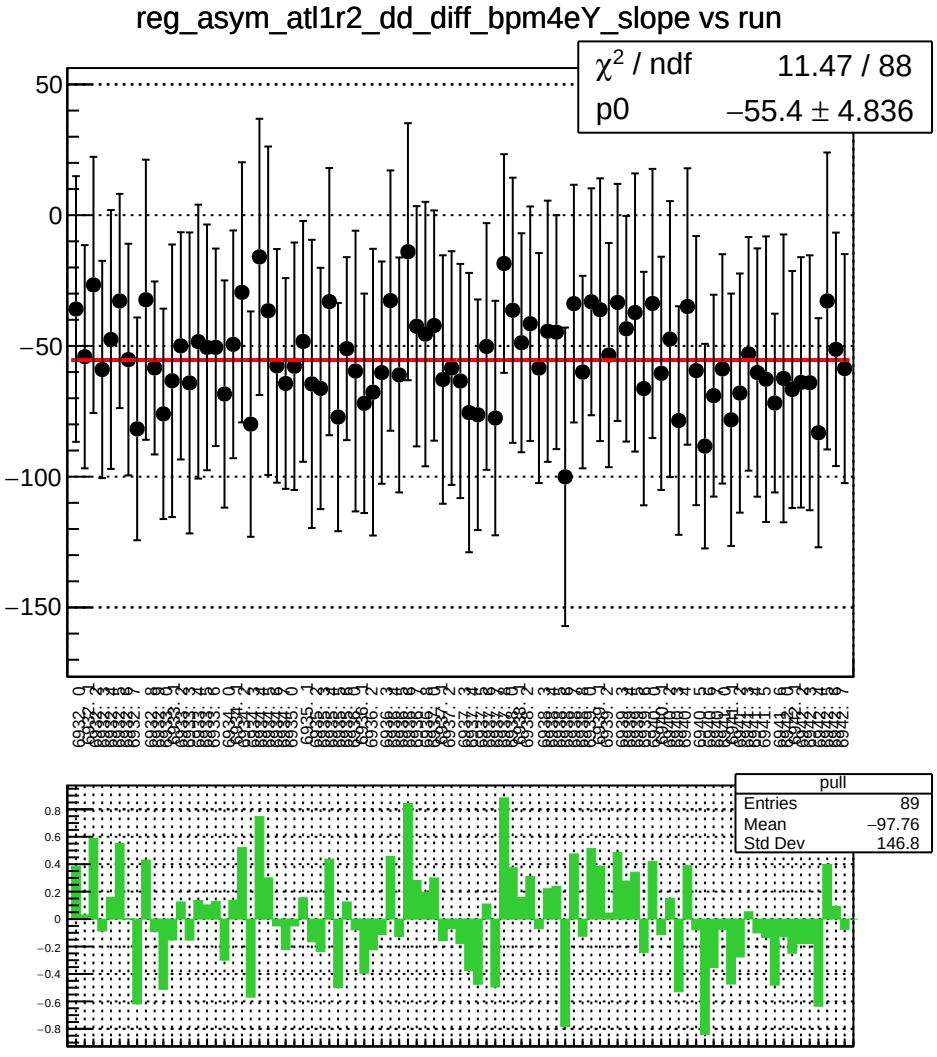

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 31.36 / 88
p0 −142.1 ± 0.2339
pull
Entries 89
Mean −470.6
Std Dev 506.7
pull1D
Entries 89
Mean −0.005182
Std Dev 0.5935

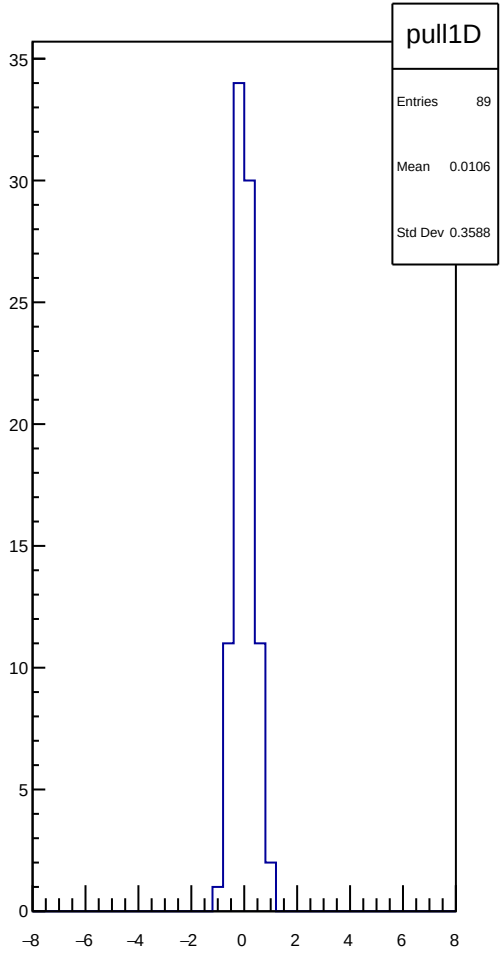

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ2 / ndf 19.6 / 88
p0 229.9 ± 6.131
pull
Entries 89
Mean −74.72
Std Dev 114.4

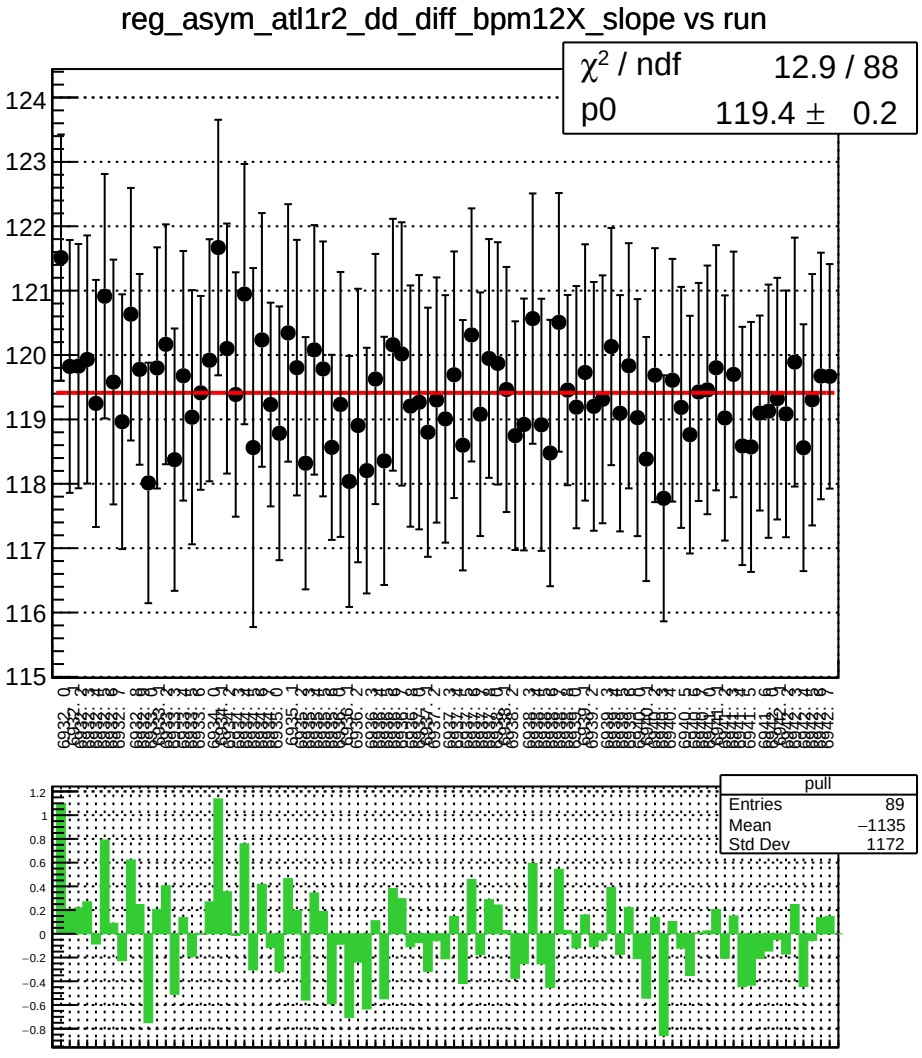

pull1D
Entries 89
Mean 0.01988
Std Dev 0.4688

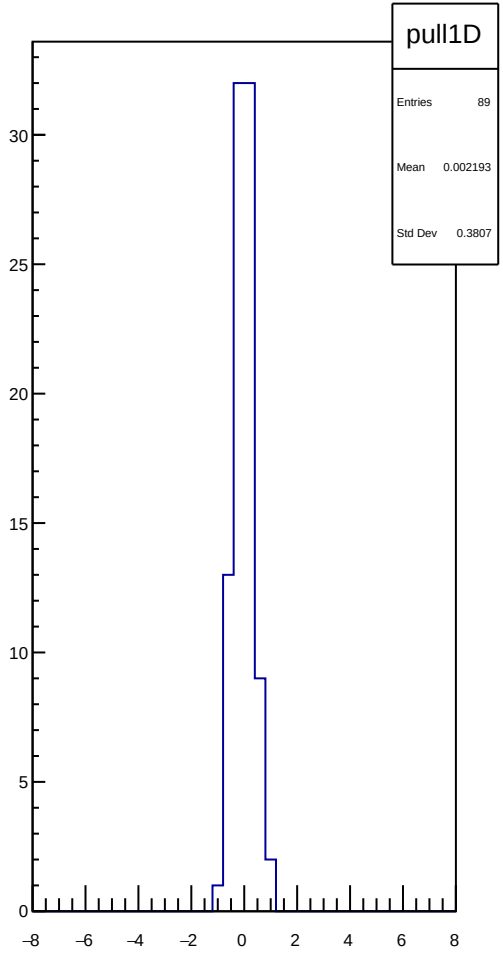

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.67 / 88
p0 −7.299 ± 4.178
pull
Entries 89
Mean −54.29
Std Dev 101.2
pull1D
Entries 89
Mean −0.01423
Std Dev 0.3619

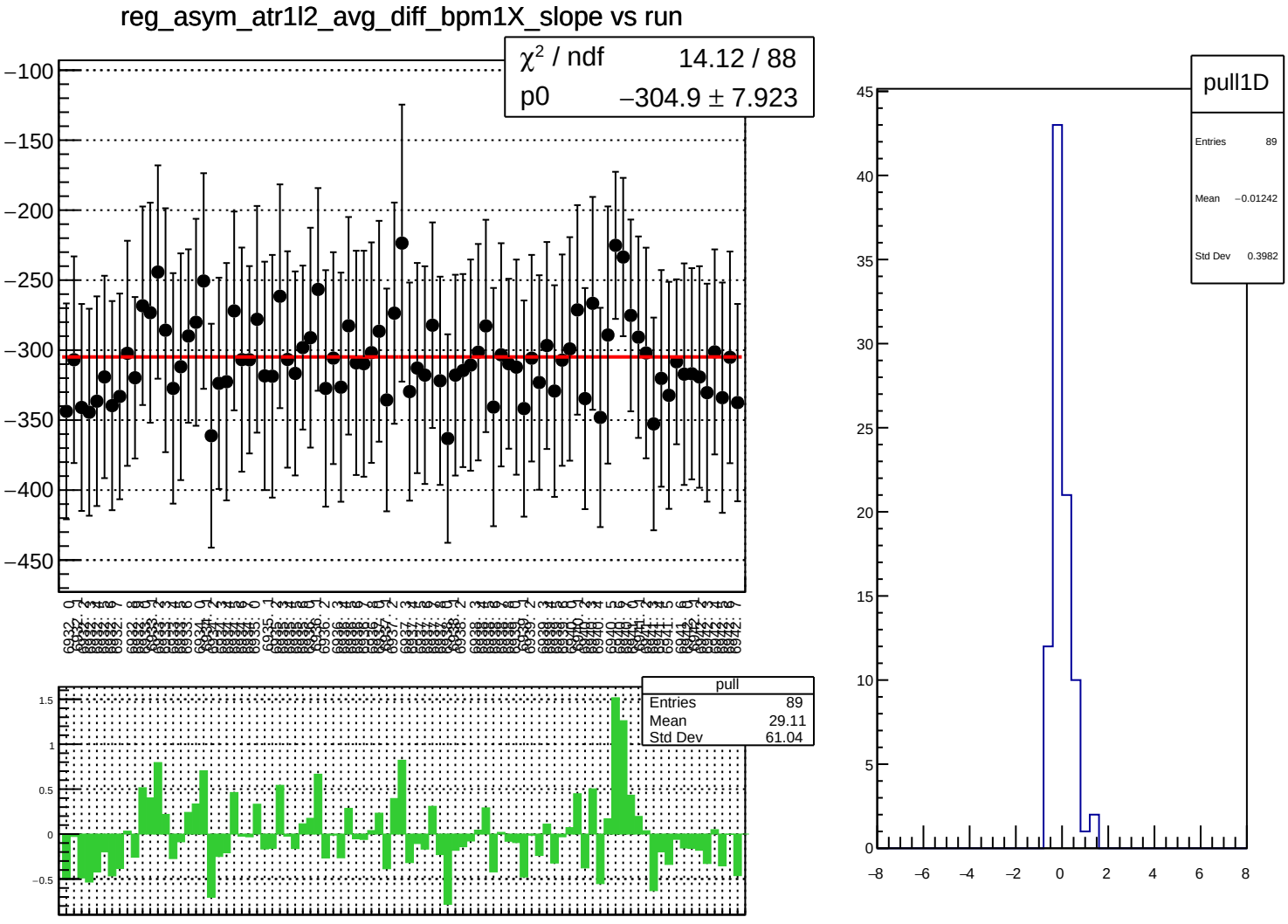

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.98 / 88
p0 −248.5 ± 5.7
pull
Entries 89
Mean −73.79
Std Dev 114.4
pull1D
Entries 89
Mean −0.01947
Std Dev 0.4614

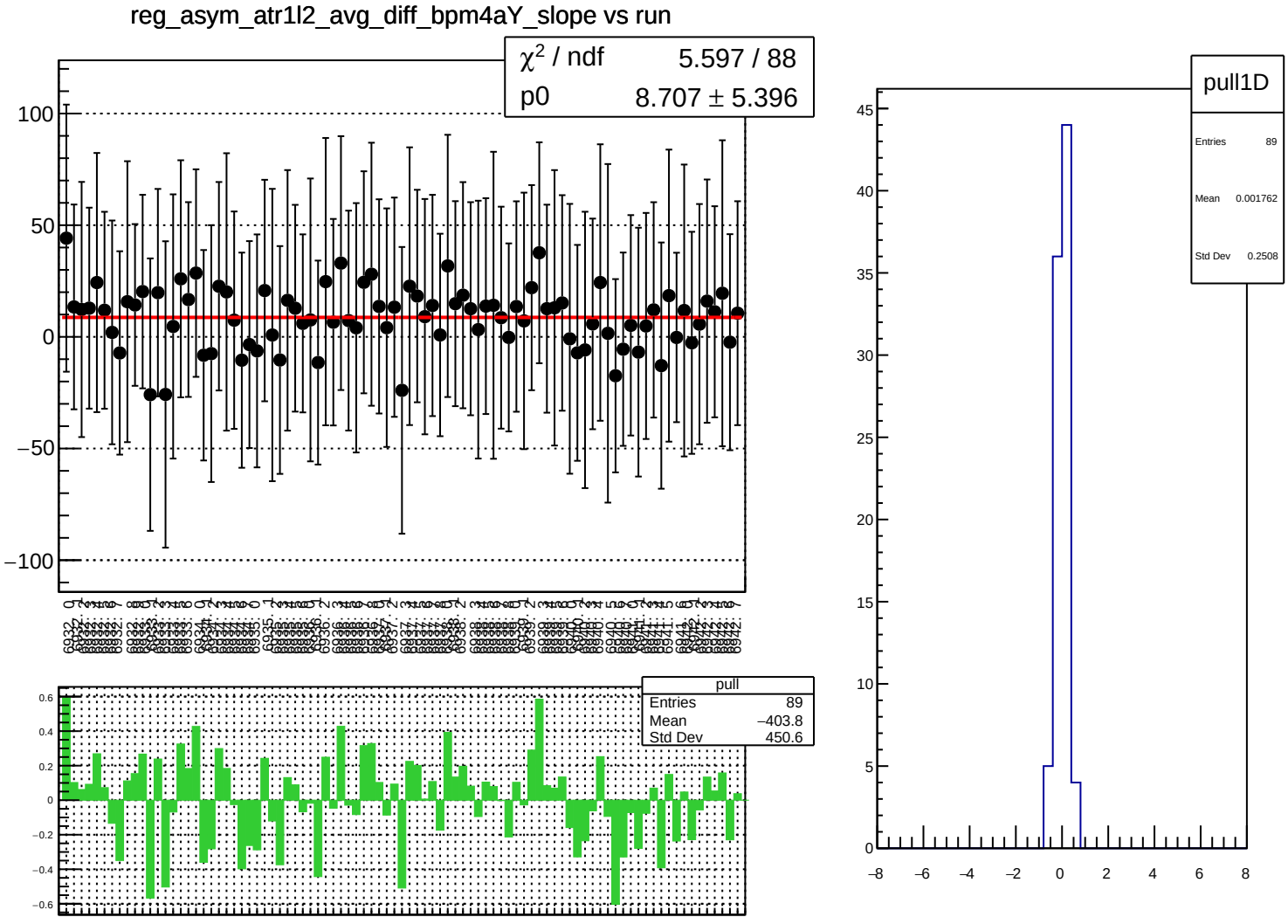

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.47 / 88
p0 −55.4 ± 4.836
pull
Entries 89
Mean −97.76
Std Dev 146.8

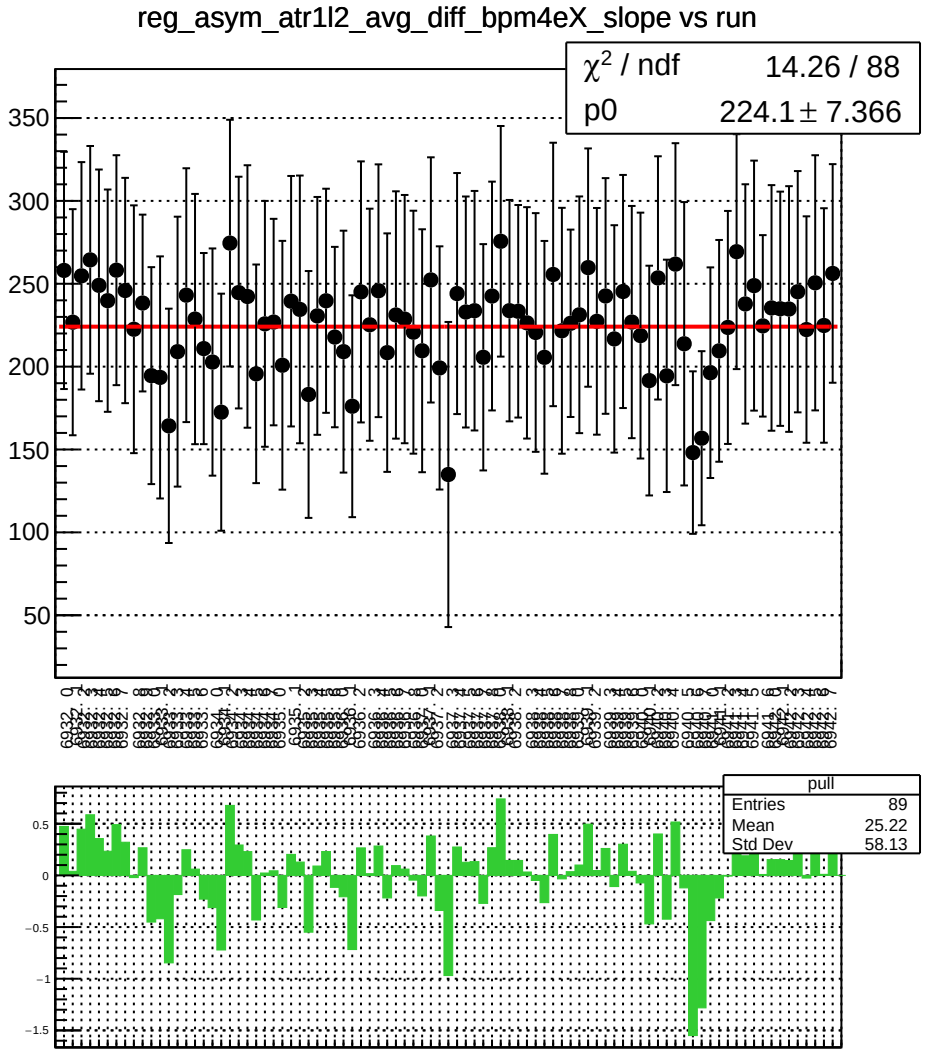

pull1D
Entries 89
Mean 0.0106
Std Dev 0.3588

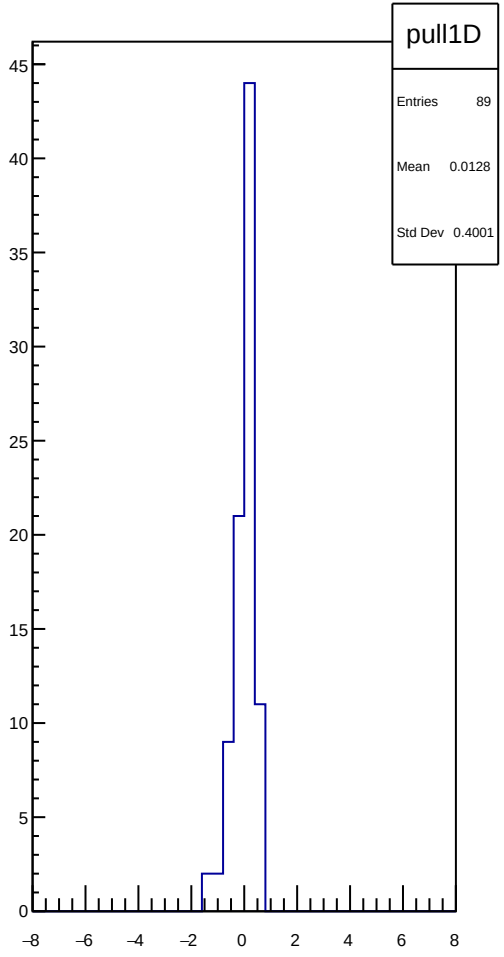

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.9 / 88
p0 119.4 ± 0.2
pull
Entries 89
Mean −1135
Std Dev 1172

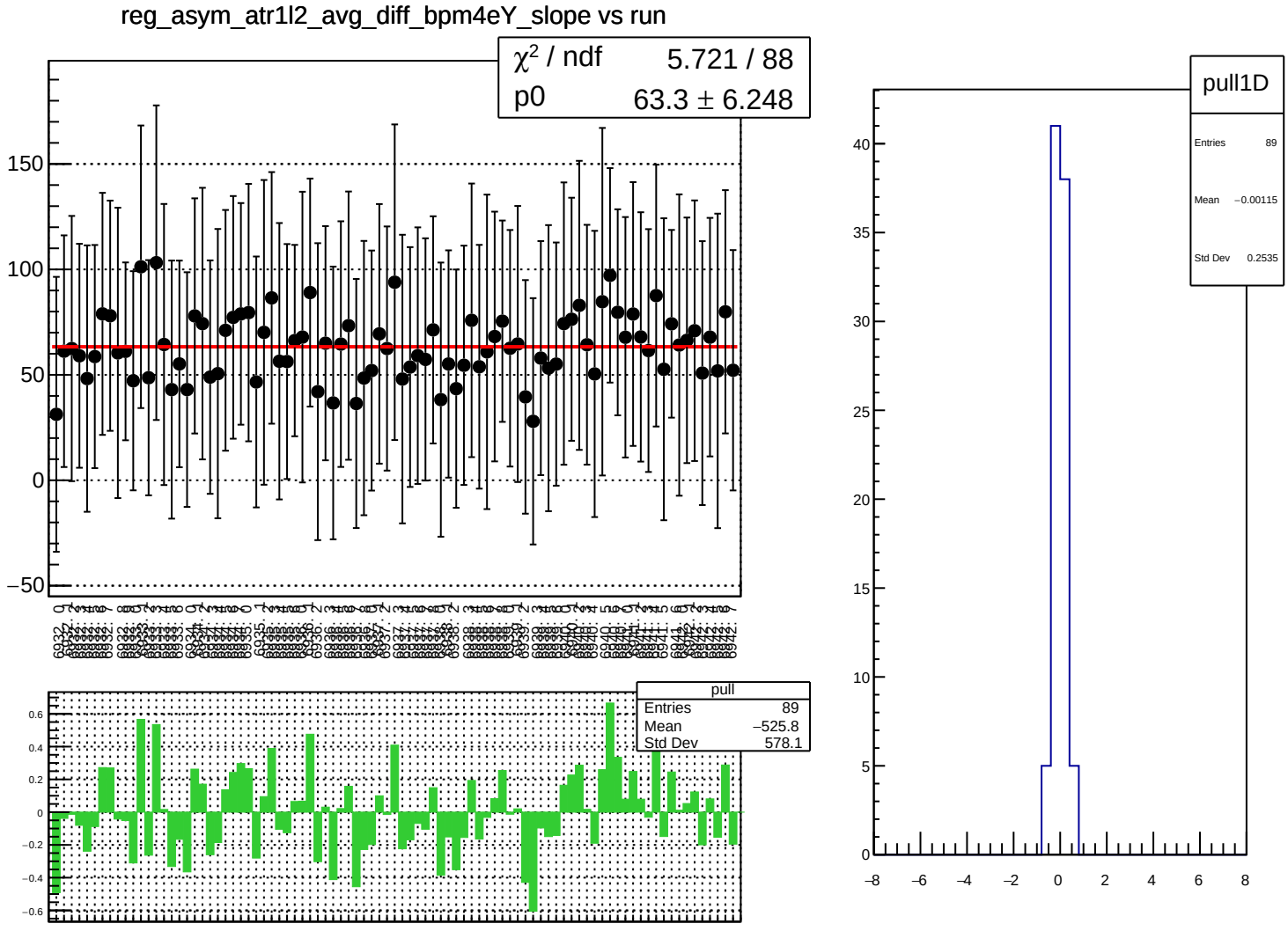

pull1D
Entries 89
Mean 0.002193
Std Dev 0.3807

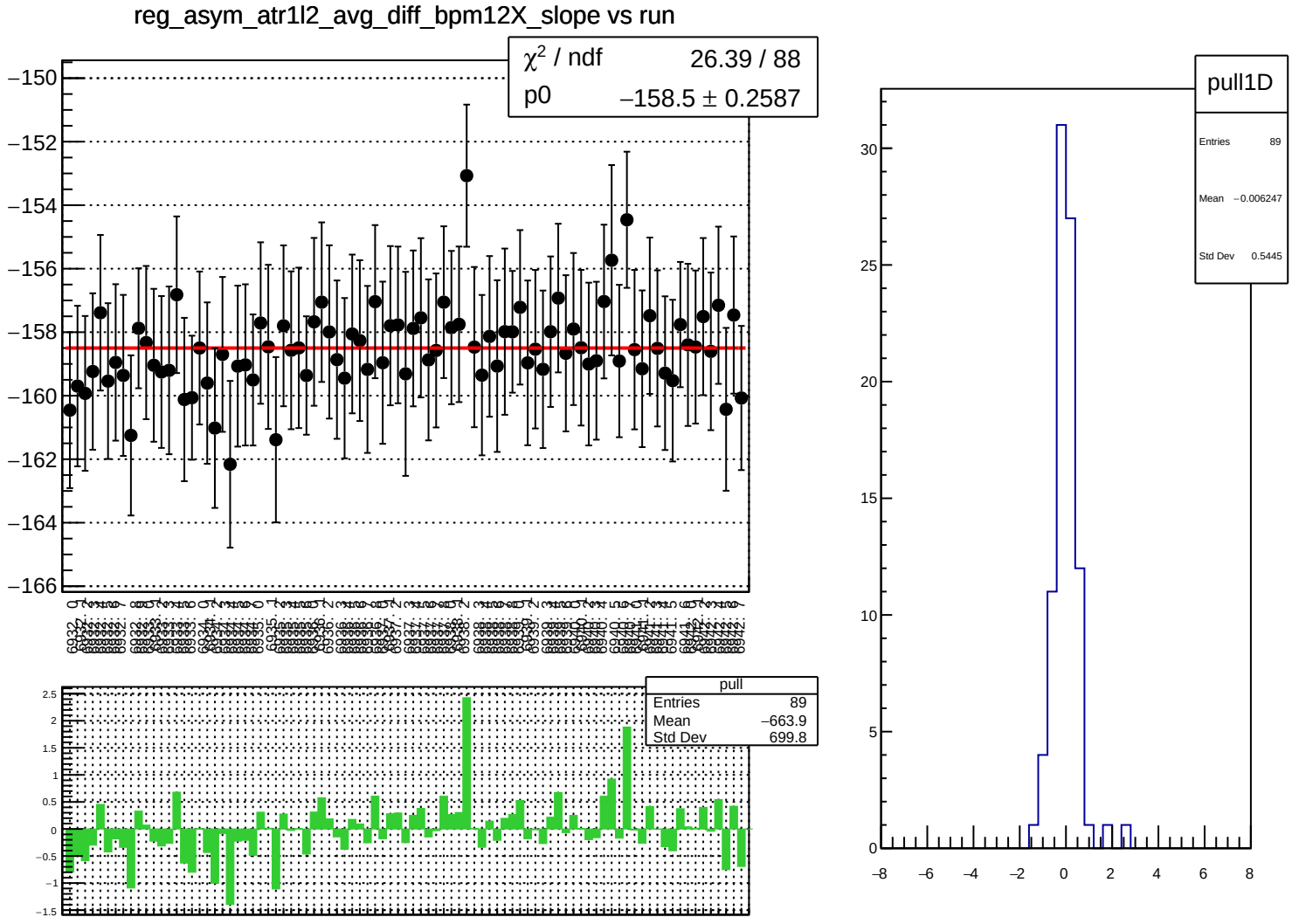

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.12 / 88
p0 −304.9 ± 7.923
pull
Entries 89
Mean 29.11
Std Dev 61.04
pull1D
Entries 89
Mean −0.01242
Std Dev 0.3982

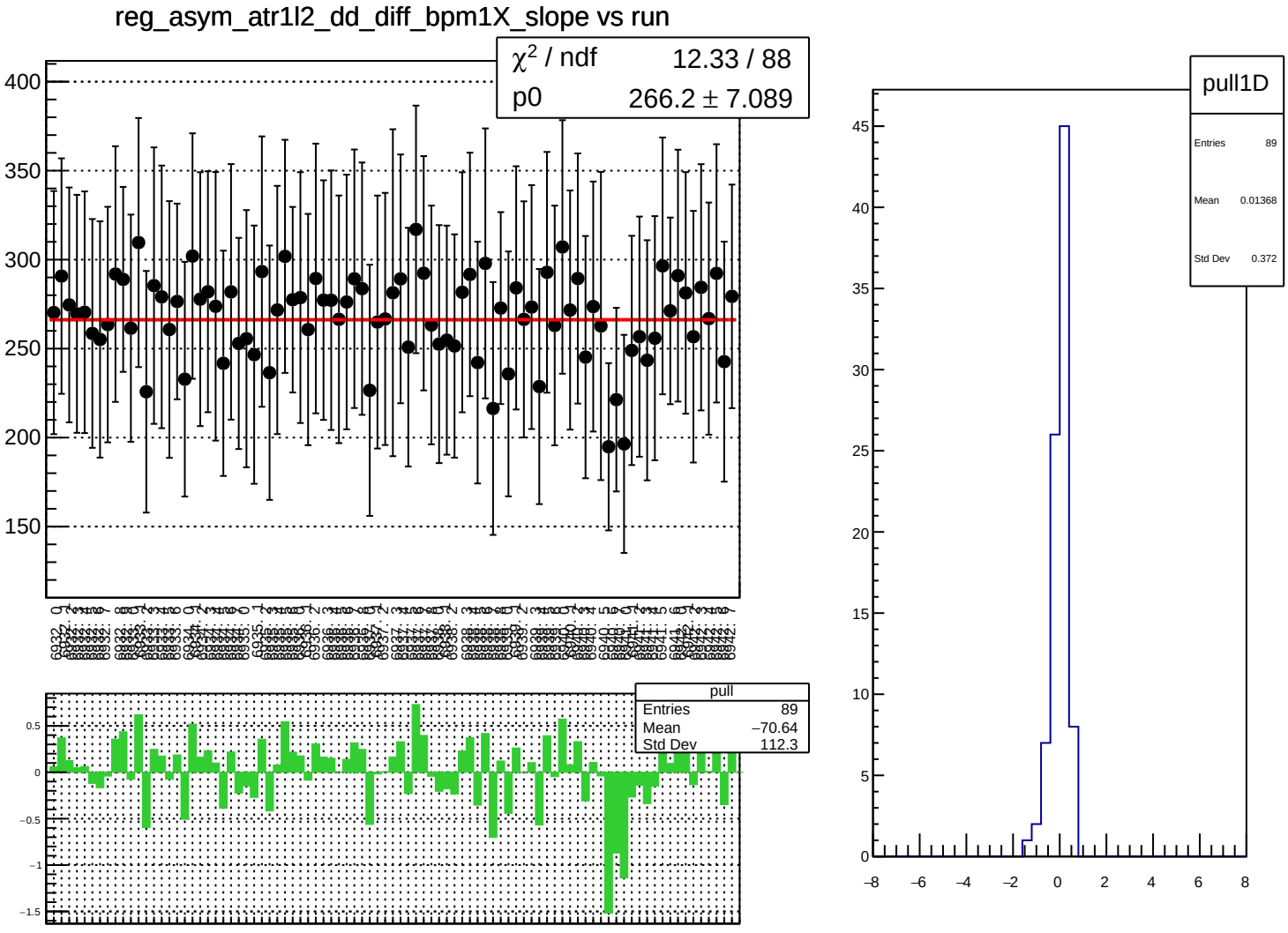

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.597 / 88
p0 8.707 ± 5.396
pull
Entries 89
Mean −403.8
Std Dev 450.6
pull1D
Entries 89
Mean 0.001762
Std Dev 0.2508

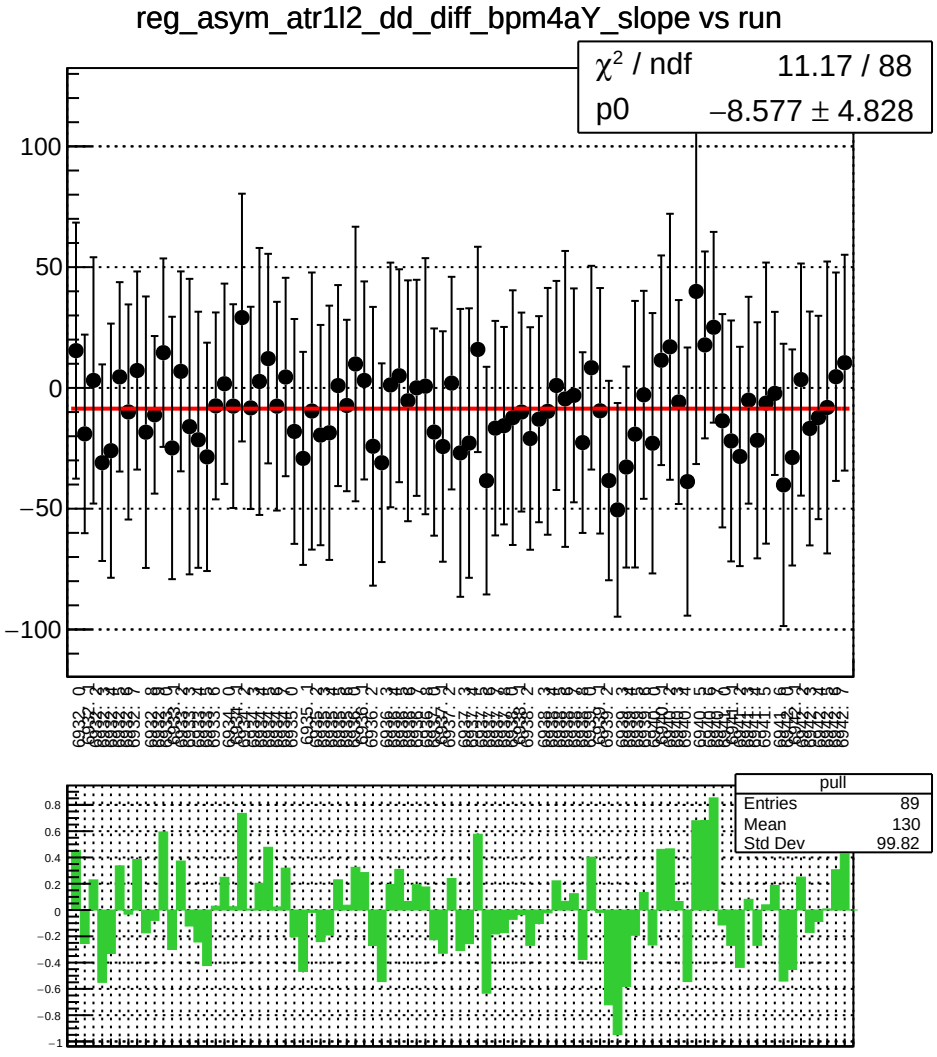

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 14.26 / 88
p0 224.1 ± 7.366
pull
Entries 89
Mean 25.22
Std Dev 58.13

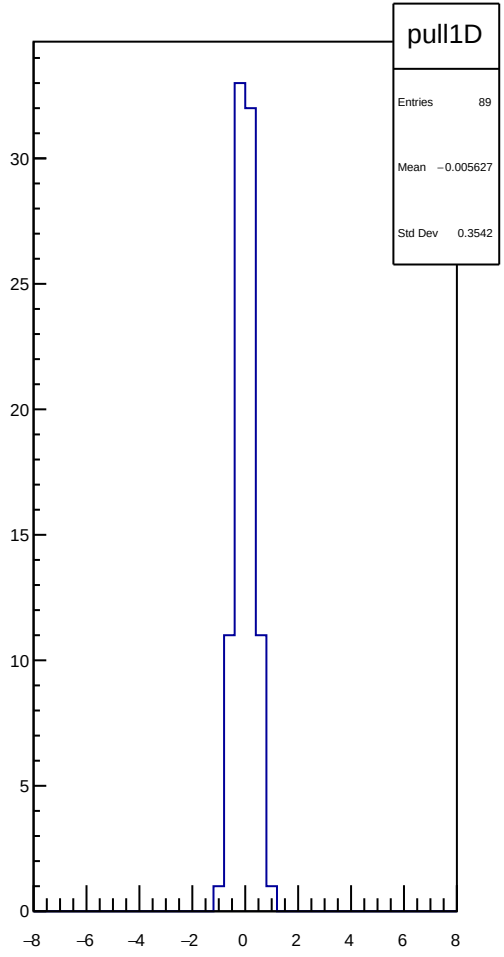

pull1D
Entries 89
Mean 0.0128
Std Dev 0.4001

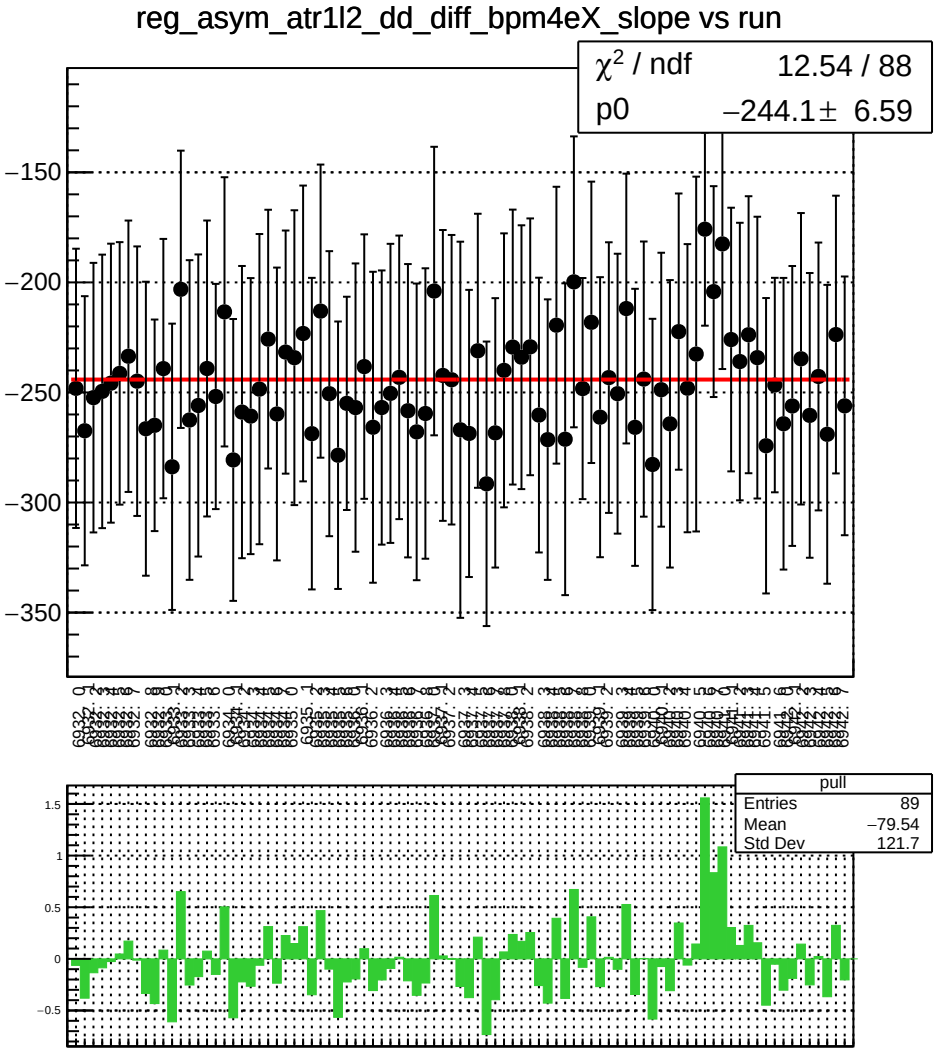

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.721 / 88
p0 63.3 ± 6.248
pull
Entries 89
Mean −525.8
Std Dev 578.1
pull1D
Entries 89
Mean −0.00115
Std Dev 0.2535

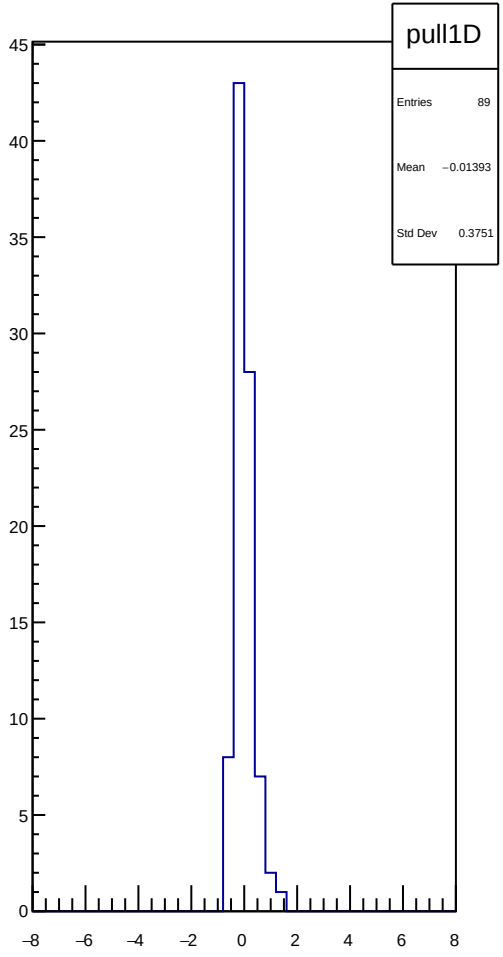

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 26.39 / 88
p0 −158.5 ± 0.2587
pull
Entries 89
Mean −663.9
Std Dev 699.8
pull1D
Entries 89
Mean −0.006247
Std Dev 0.5445

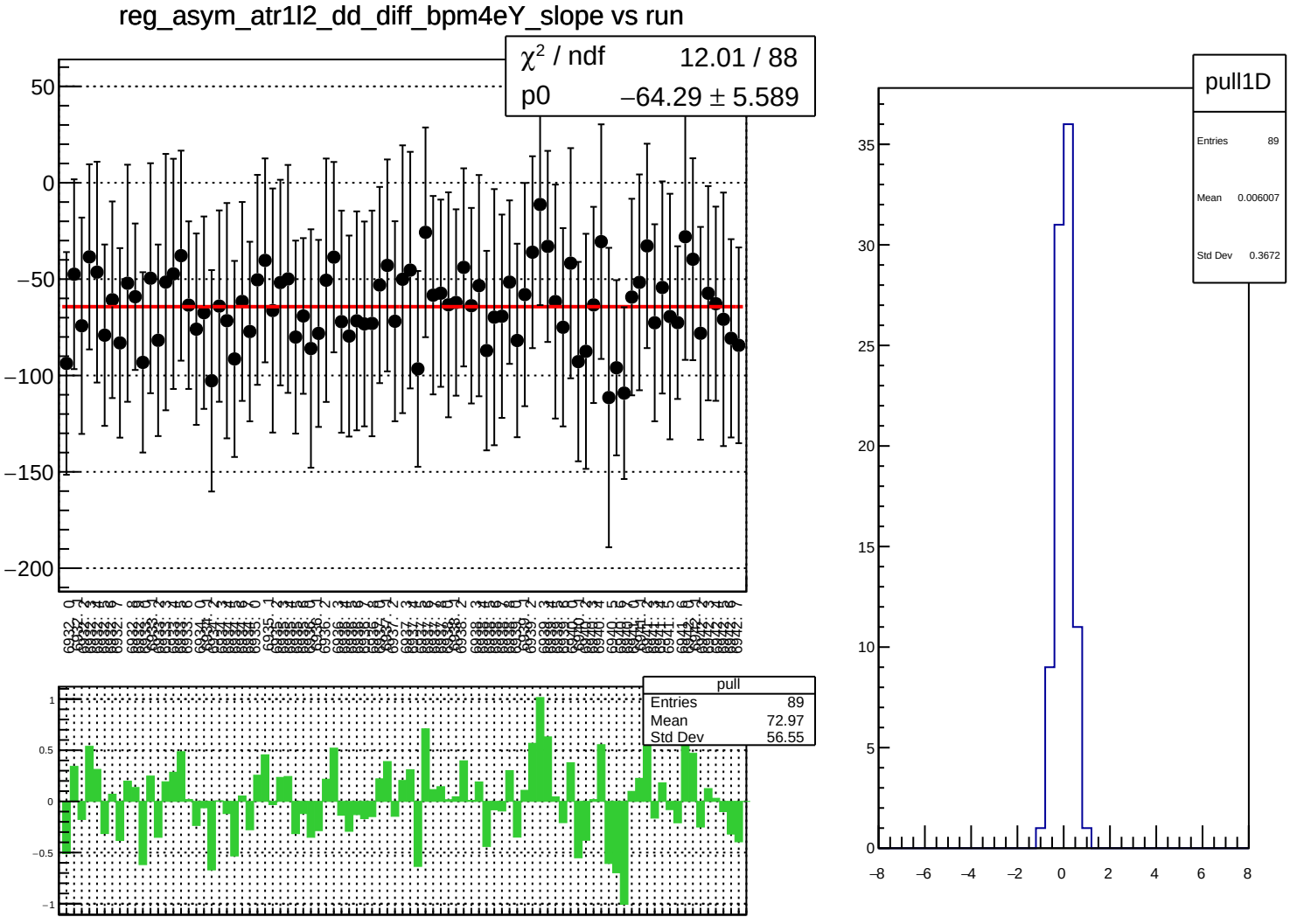

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.33 / 88
p0 266.2 ± 7.089
pull
Entries 89
Mean −70.64
Std Dev 112.3
pull1D
Entries 89
Mean 0.01368
Std Dev 0.372

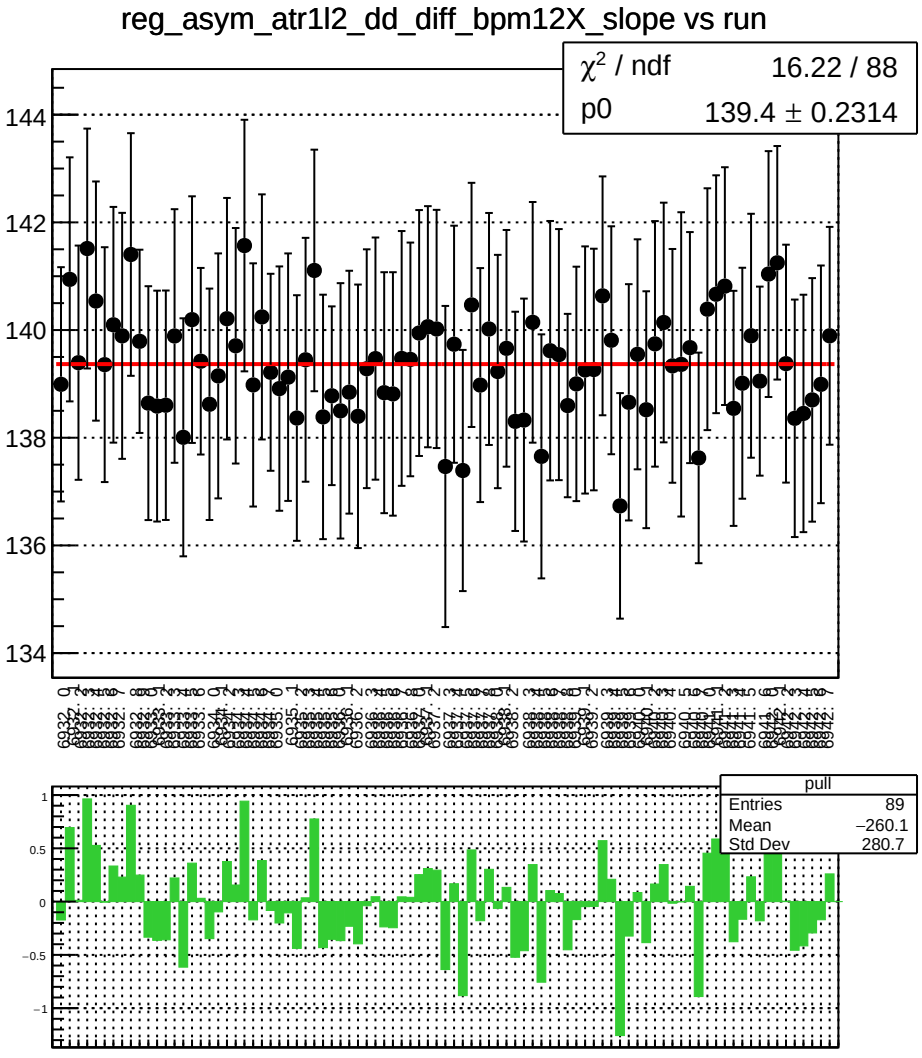

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.17 / 88
p0 −8.577 ± 4.828
pull
Entries 89
Mean 130
Std Dev 99.82

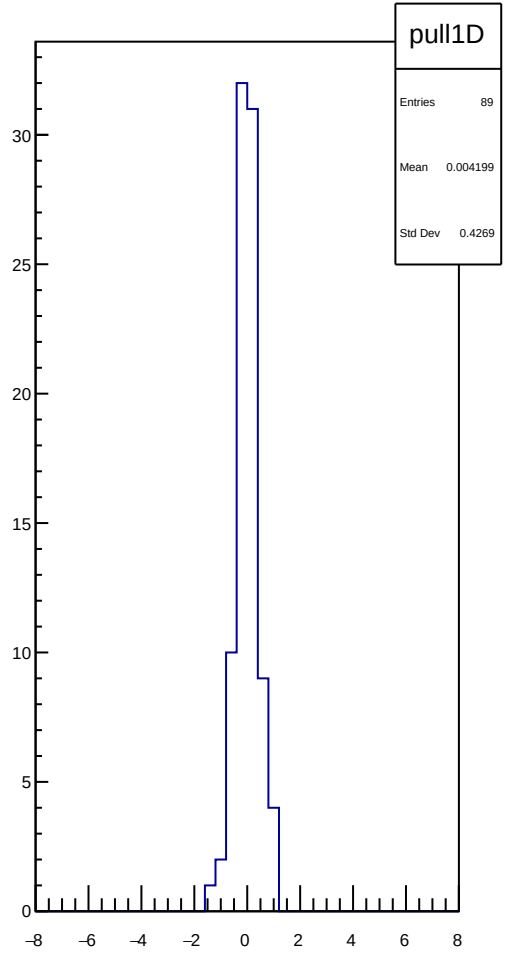

pull1D
Entries 89
Mean −0.005627
Std Dev 0.3542

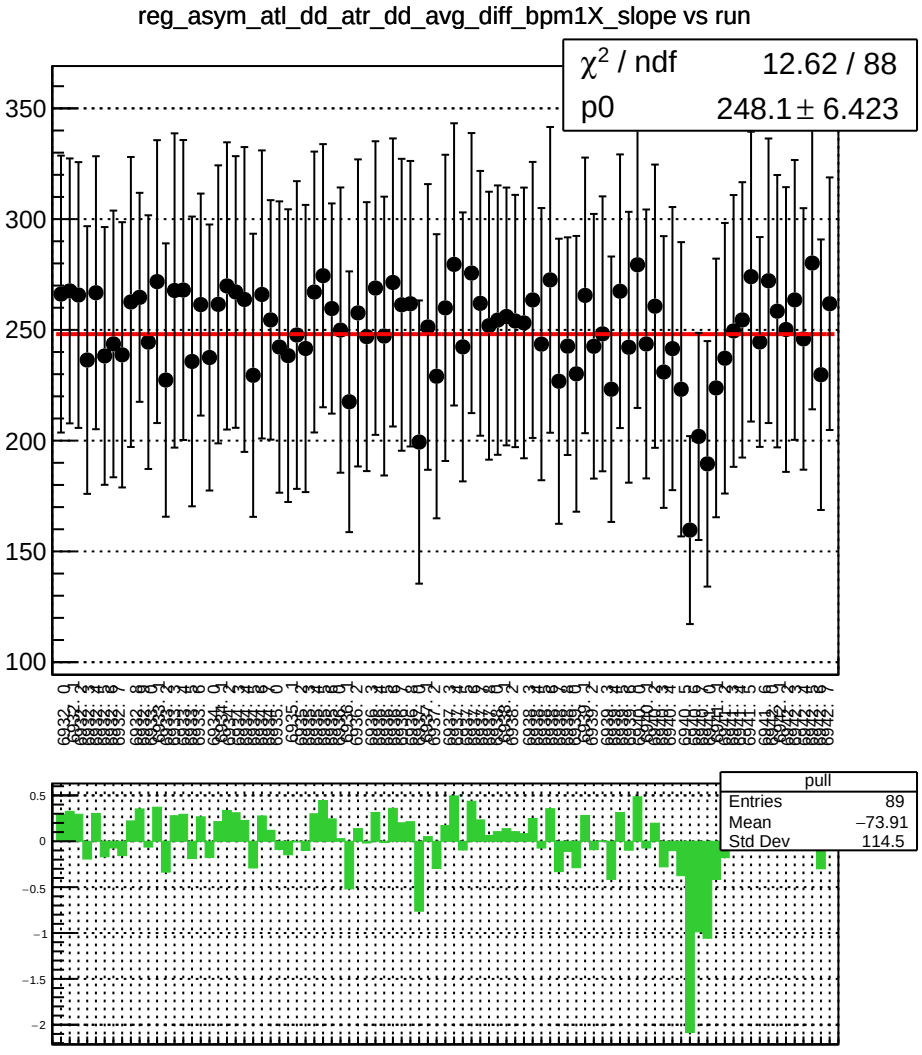

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.54 / 88
p0 −244.1 ± 6.59
−150
−200
−250
−300
−350
pull
Entries 89
Mean −79.54
Std Dev 121.7
1.5
1
0.5
0
−0.5

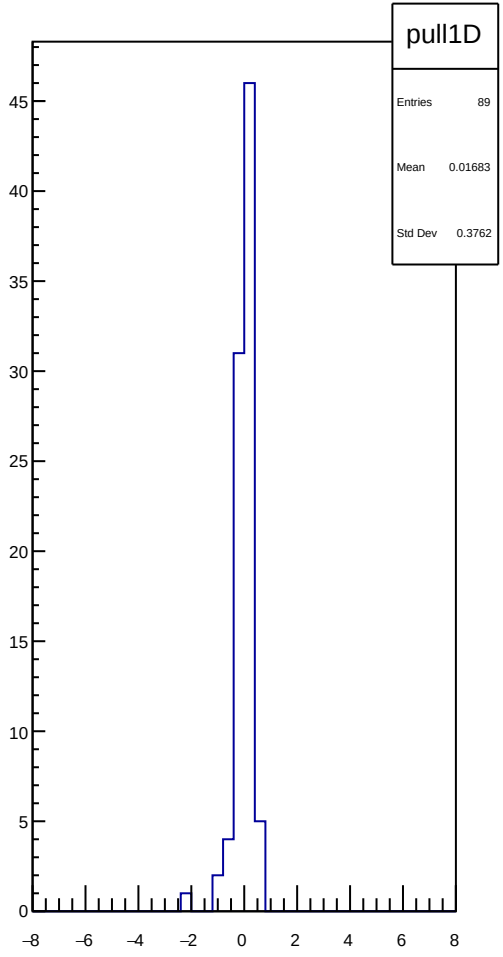

pull1D
Entries 89
Mean −0.01393
Std Dev 0.3751
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

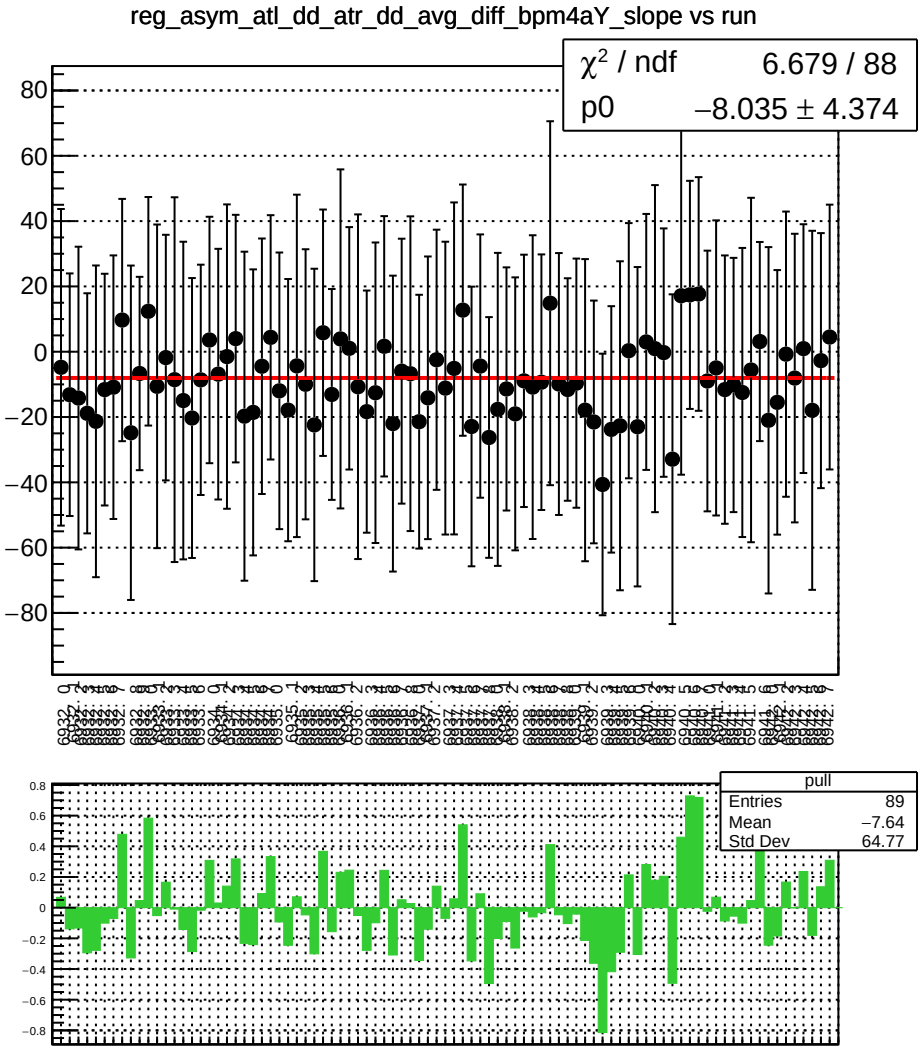

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.01 / 88
p0 −64.29 ± 5.589
pull
Entries 89
Mean 72.97
Std Dev 56.55
pull1D
Entries 89
Mean 0.006007
Std Dev 0.3672

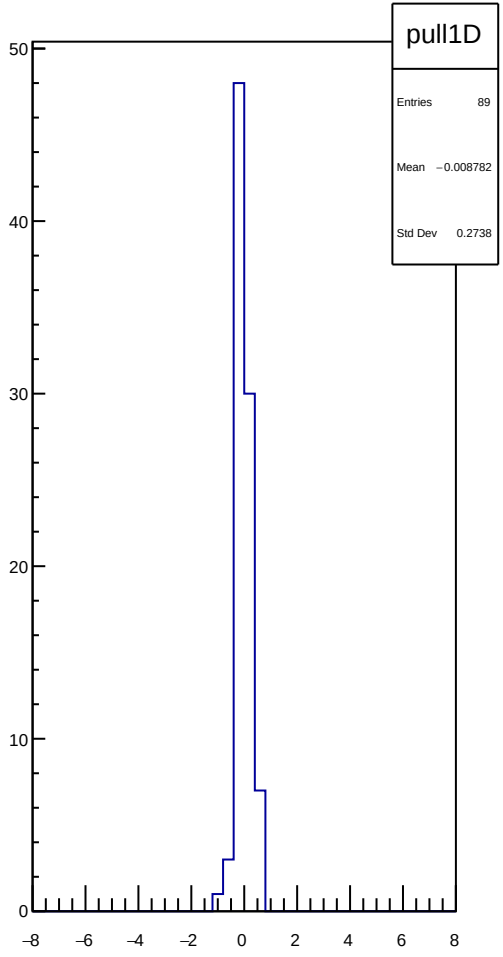

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.22 / 88
p0 139.4 ± 0.2314
144
142
140
138
136
134
pull
Entries 89
Mean −260.1
Std Dev 280.7
1
0.5
0
−0.5
−1

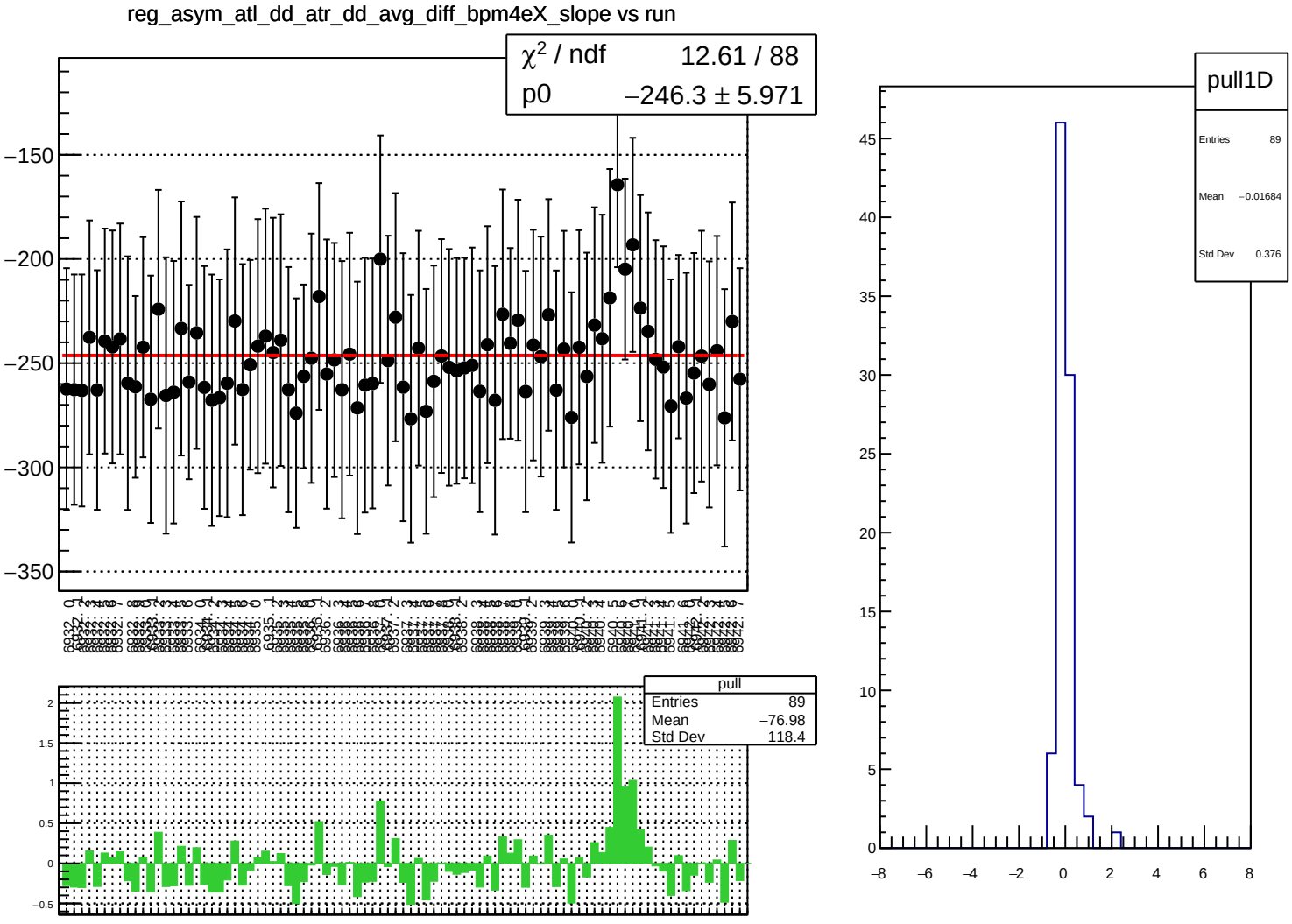

pull1D
Entries 89
Mean 0.004199
Std Dev 0.4269
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

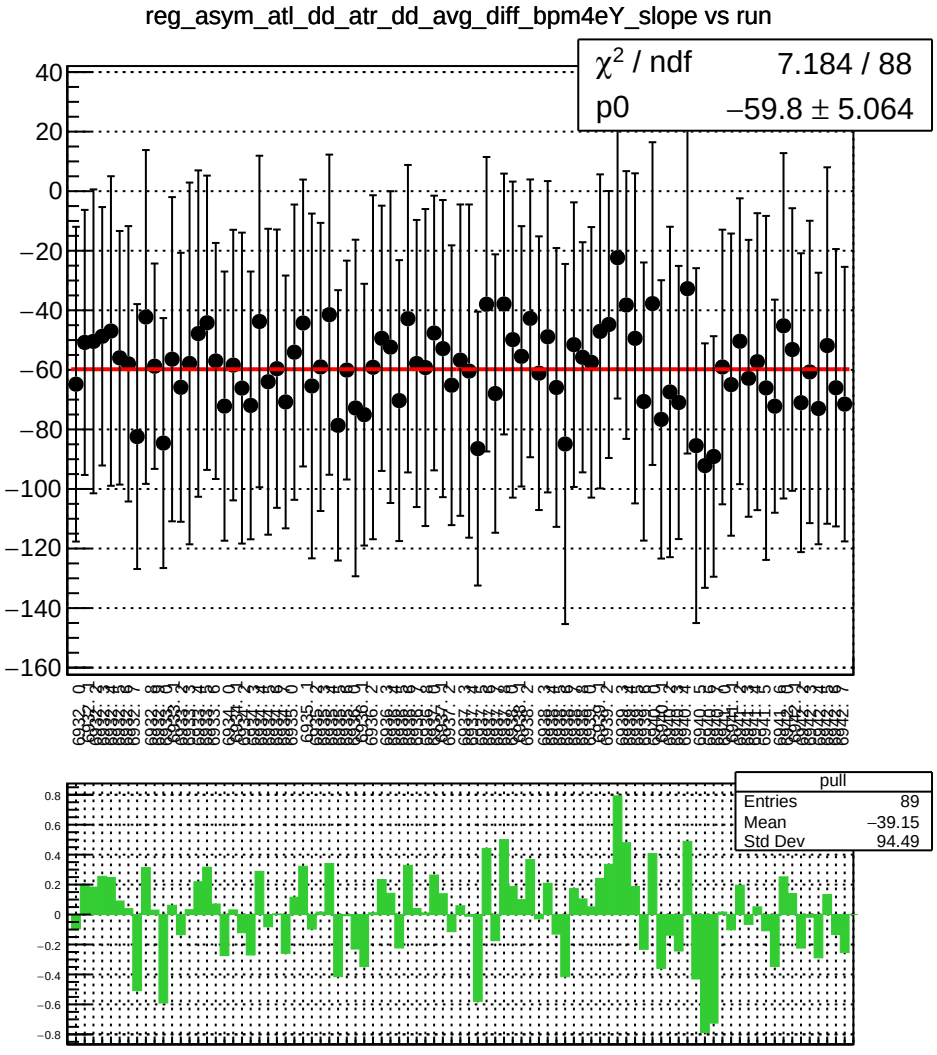

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.62 / 88
p0 248.1 ± 6.423
pull
Entries 89
Mean −73.91
Std Dev 114.5

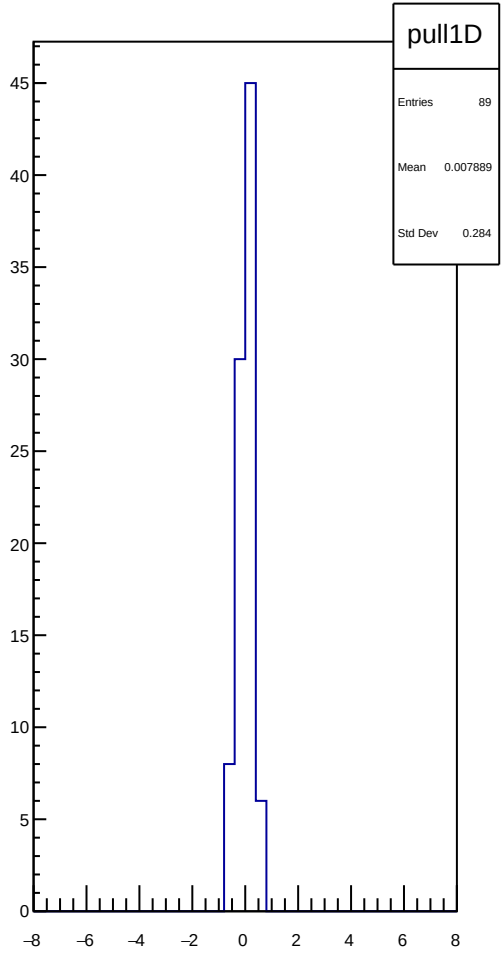

pull1D
Entries 89
Mean 0.01683
Std Dev 0.3762

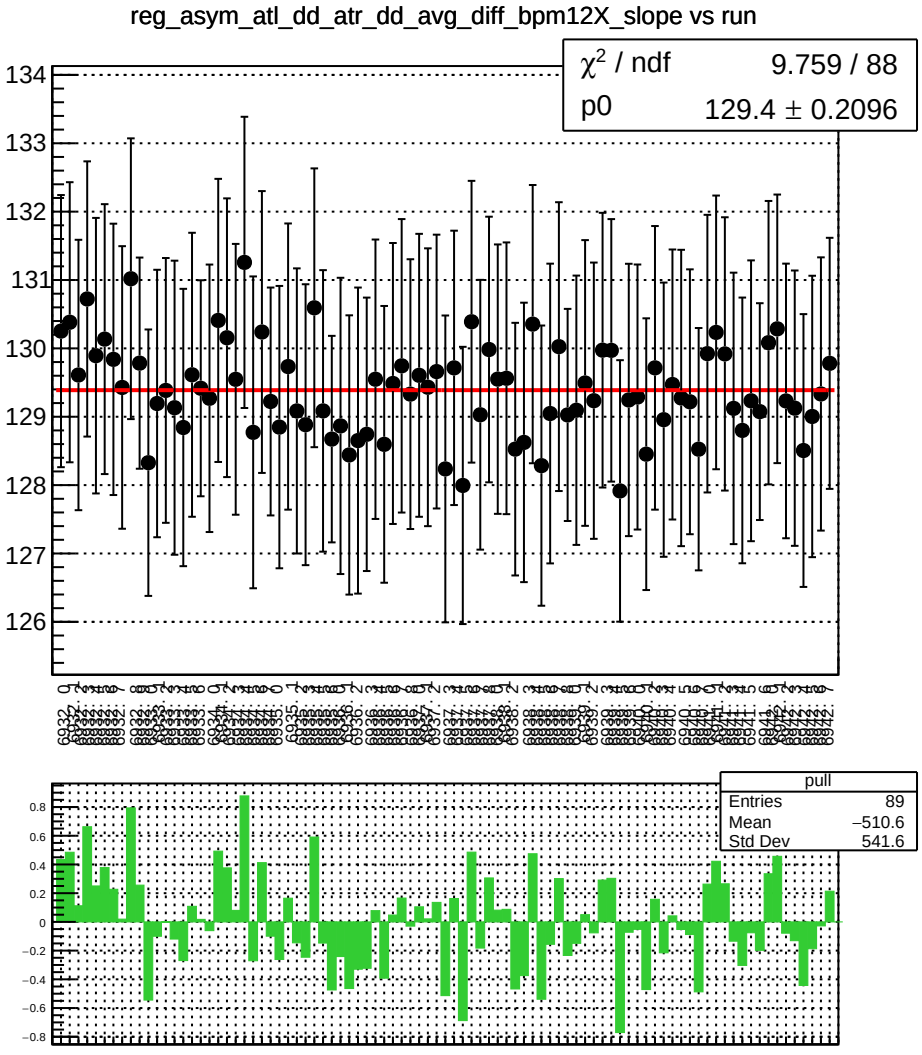

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.679 / 88
p0 −8.035 ± 4.374
pull
Entries 89
Mean −7.64
Std Dev 64.77

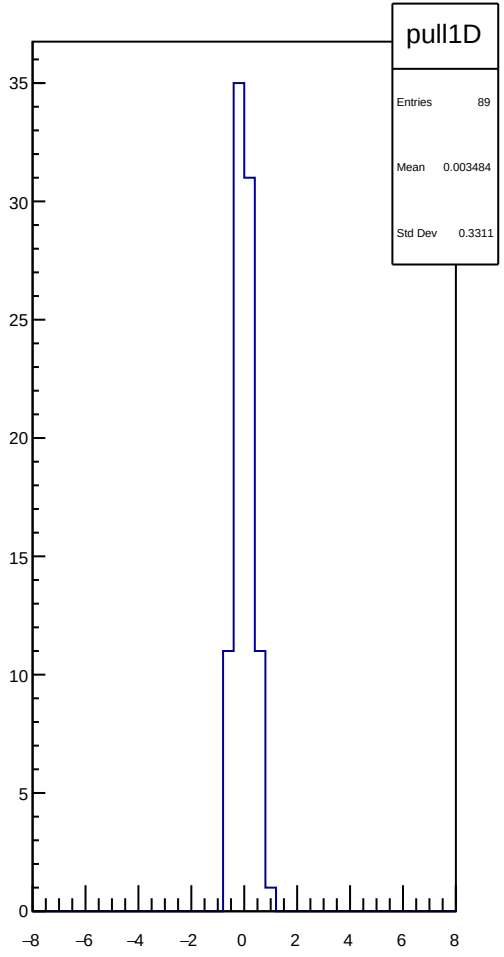

pull1D
Entries 89
Mean −0.008782
Std Dev 0.2738

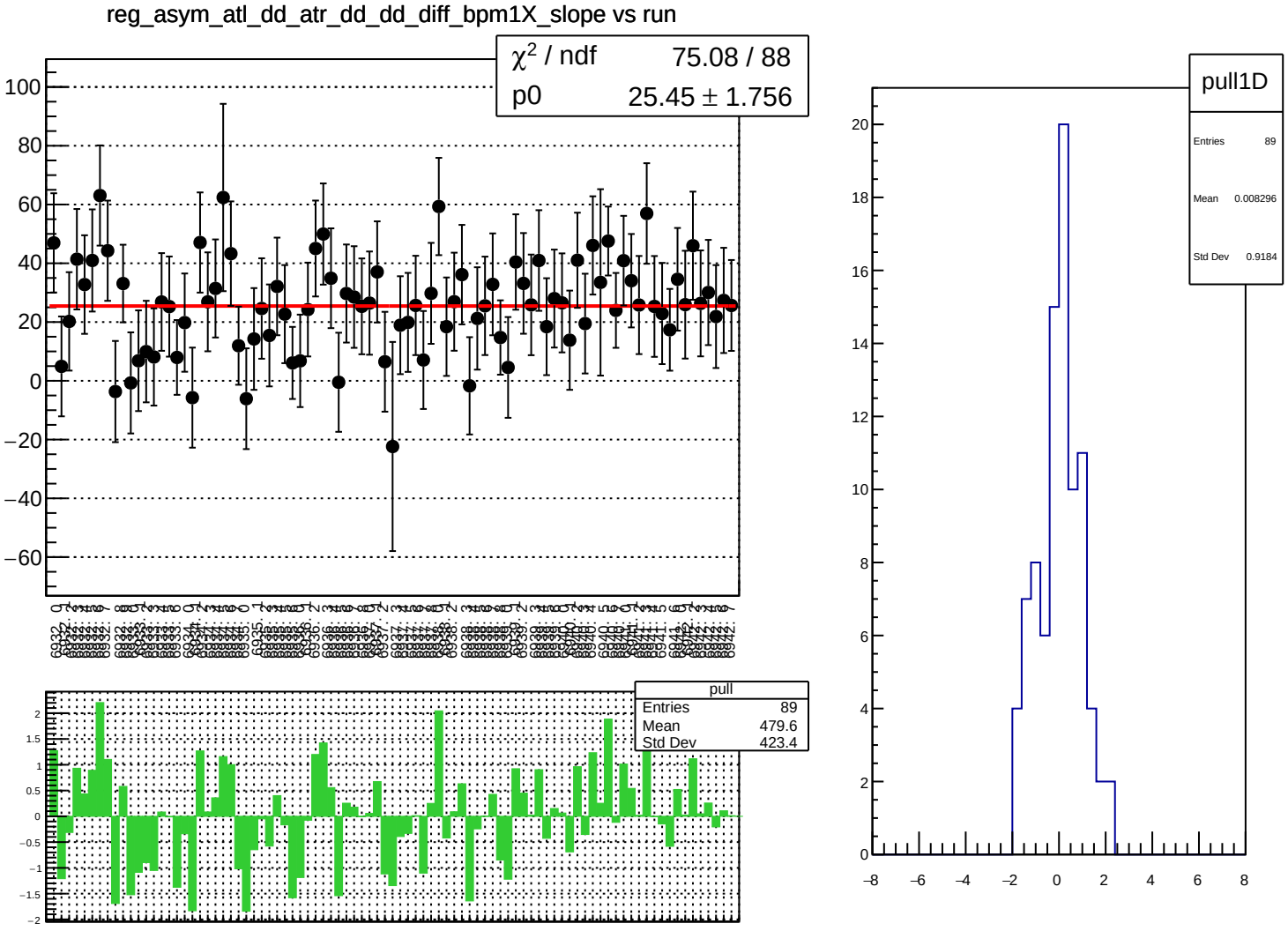

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.61 / 88
p0 −246.3 ± 5.971
pull
Entries 89
Mean −76.98
Std Dev 118.4
pull1D
Entries 89
Mean −0.01684
Std Dev 0.376

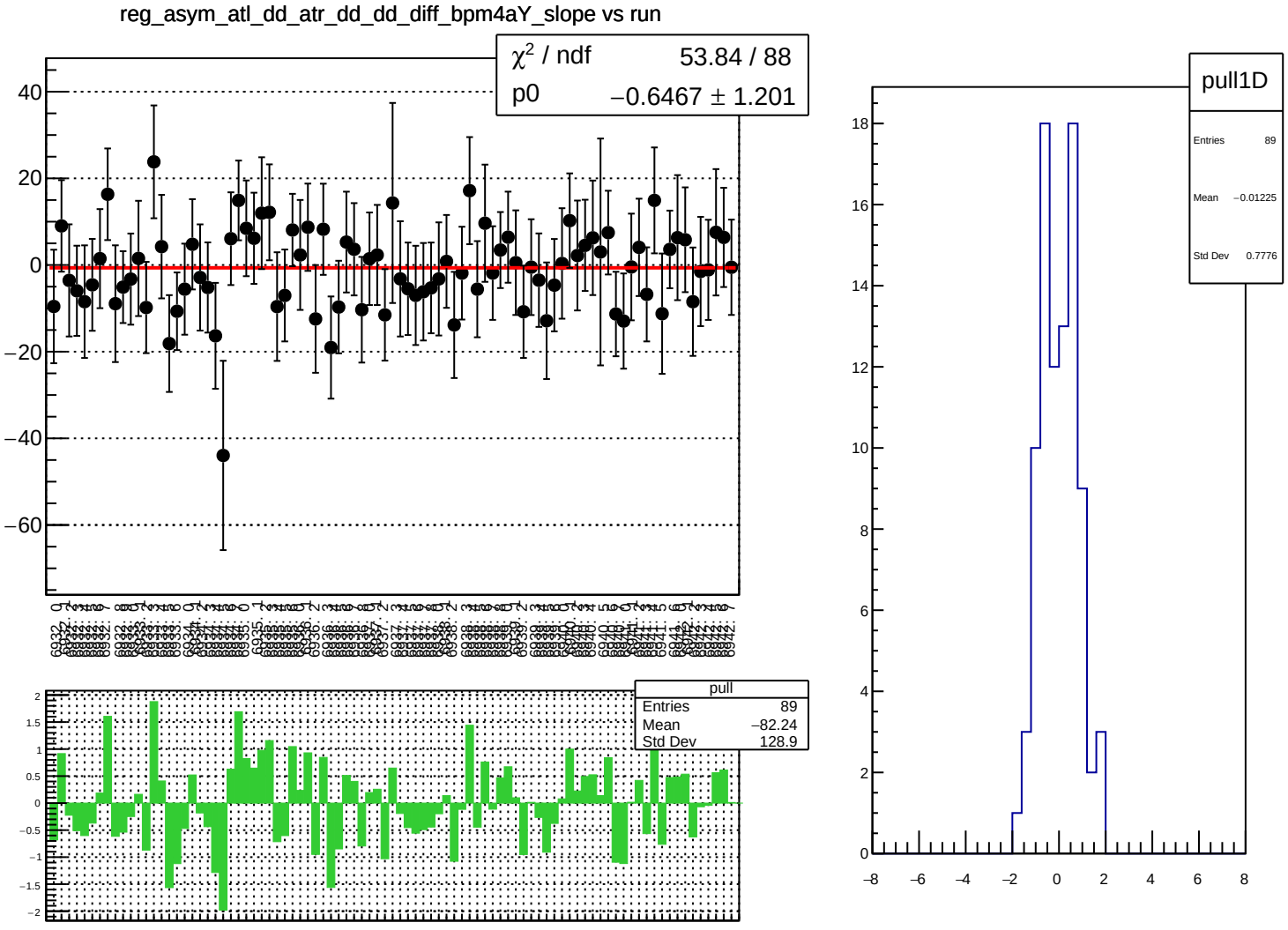

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.184 / 88
p0 −59.8 ± 5.064
pull
Entries 89
Mean −39.15
Std Dev 94.49

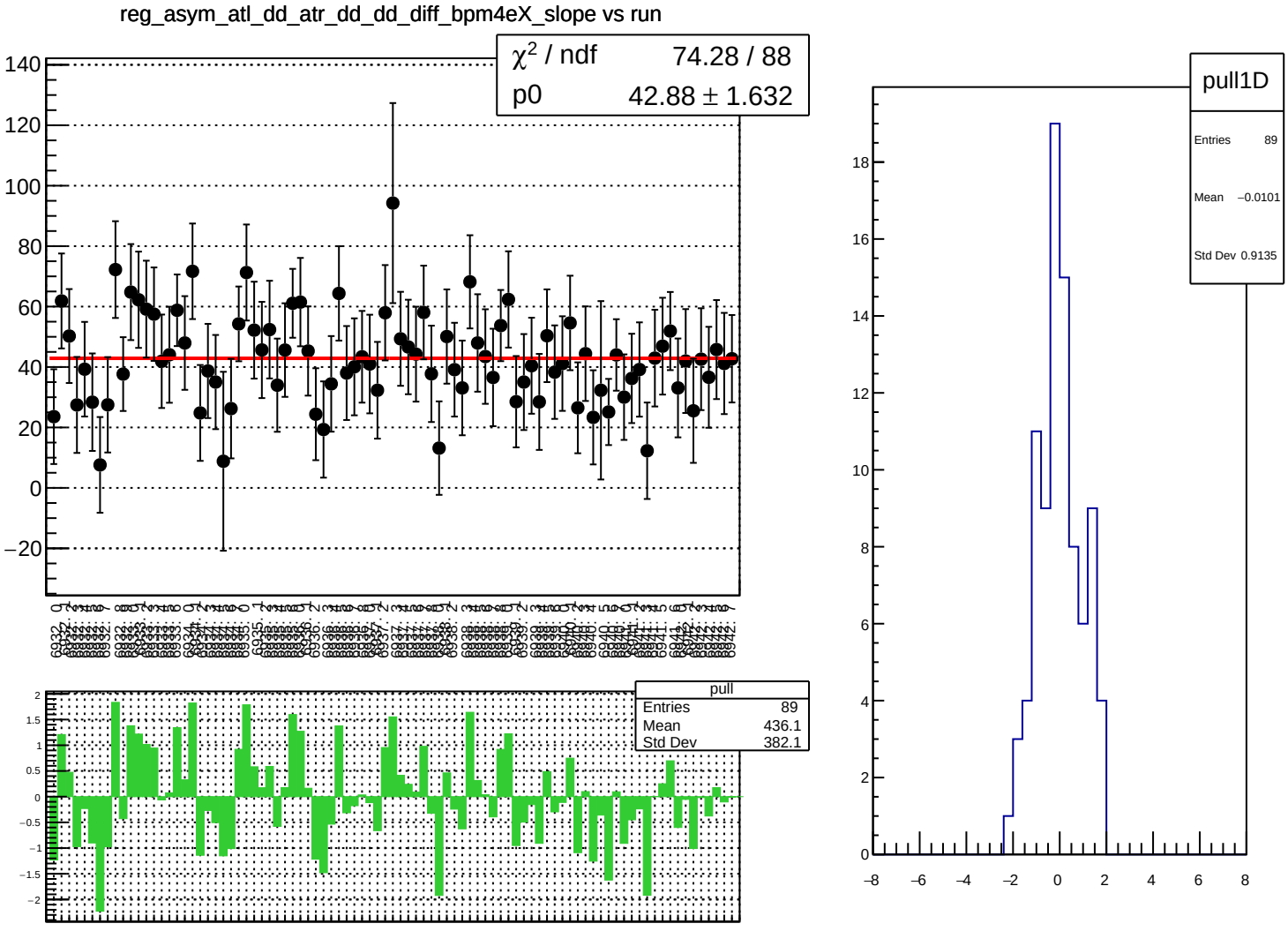

pull1D
Entries 89
Mean 0.007889
Std Dev 0.284

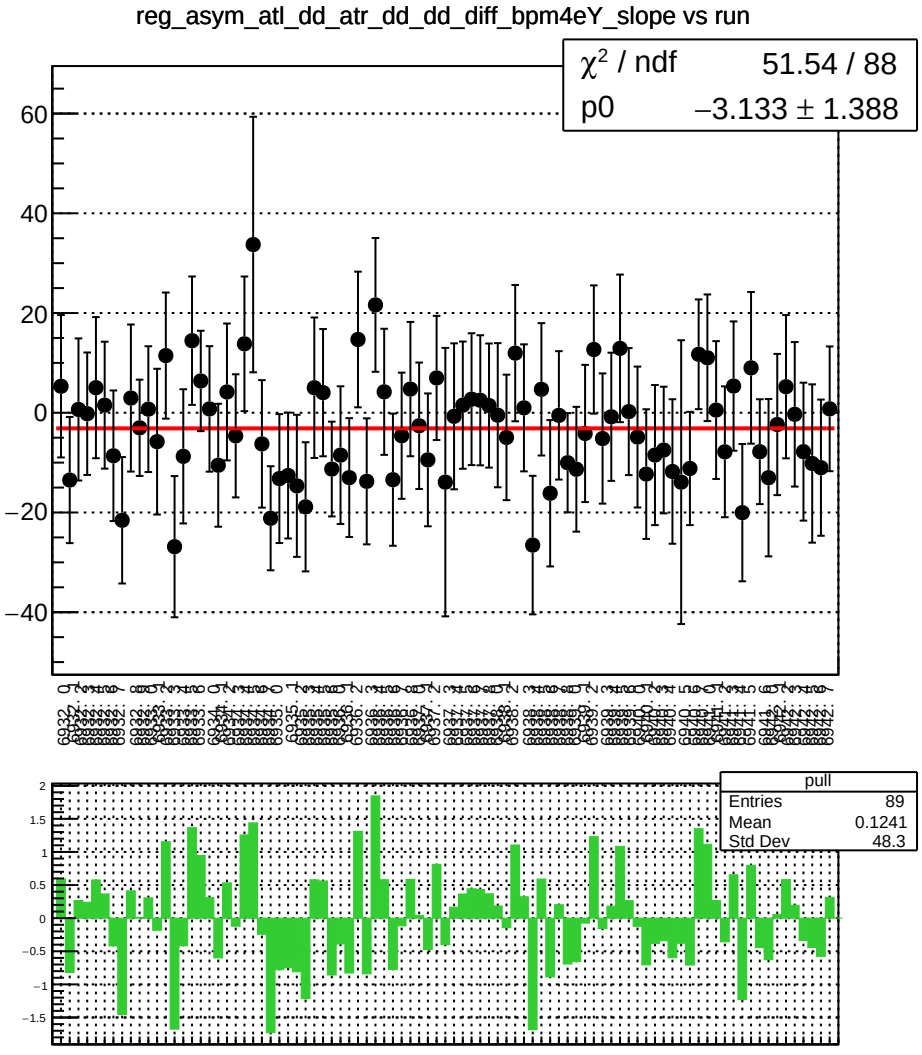

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.759 / 88
p0 129.4 ± 0.2096
pull
Entries 89
Mean −510.6
Std Dev 541.6

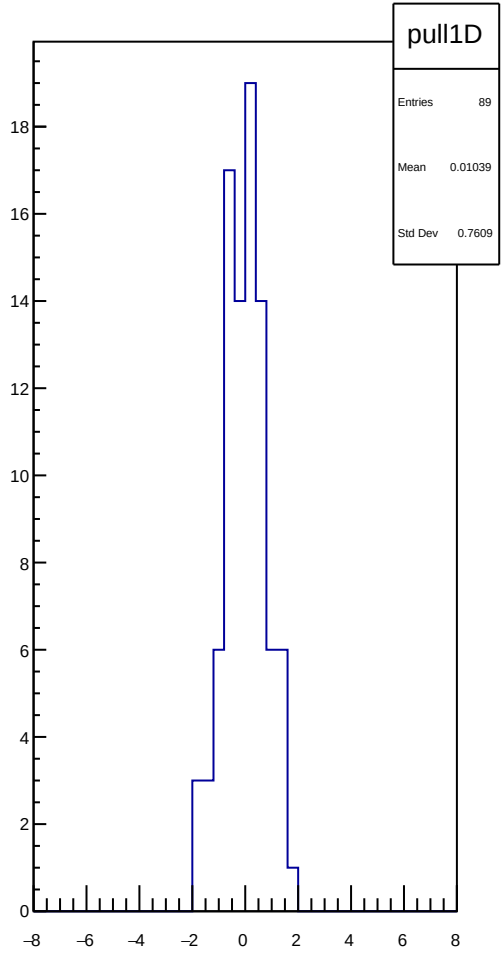

pull1D
Entries 89
Mean 0.003484
Std Dev 0.3311

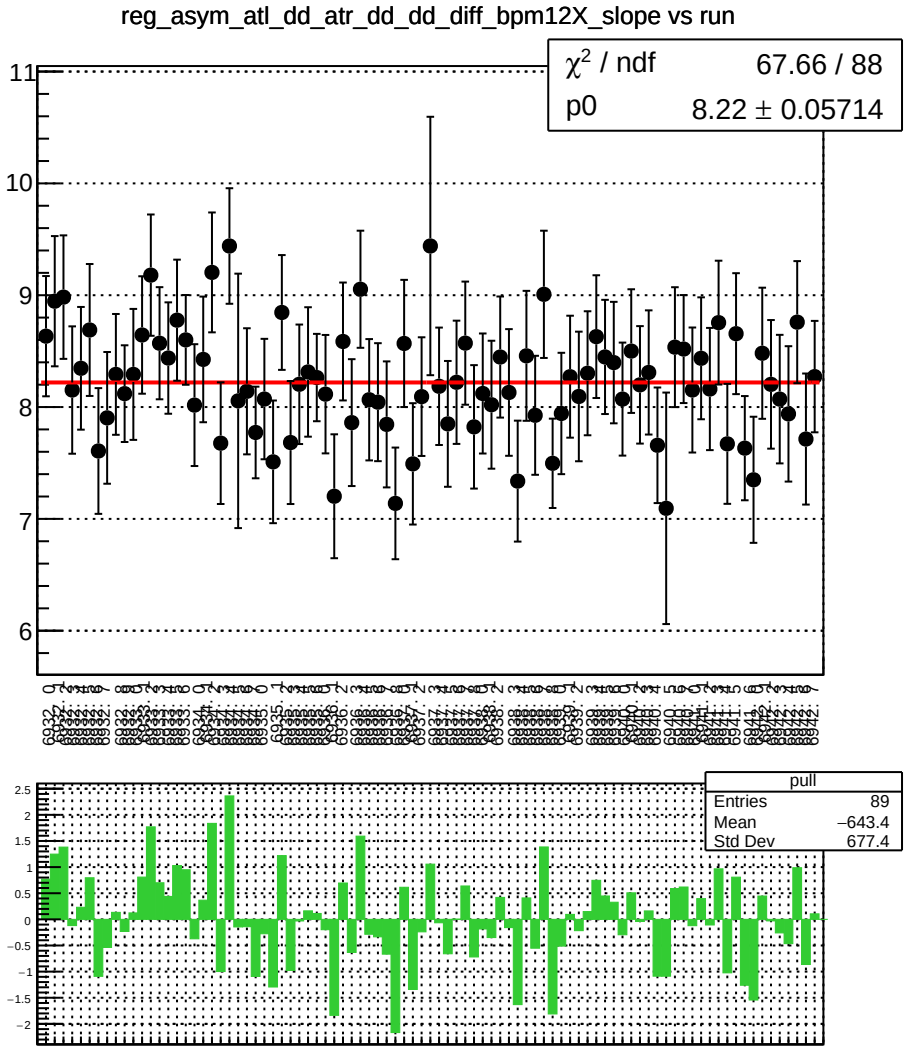

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 75.08 / 88
p0 25.45 ± 1.756
pull
Entries 89
Mean 479.6
Std Dev 423.4
pull1D
Entries 89
Mean 0.008296
Std Dev 0.9184

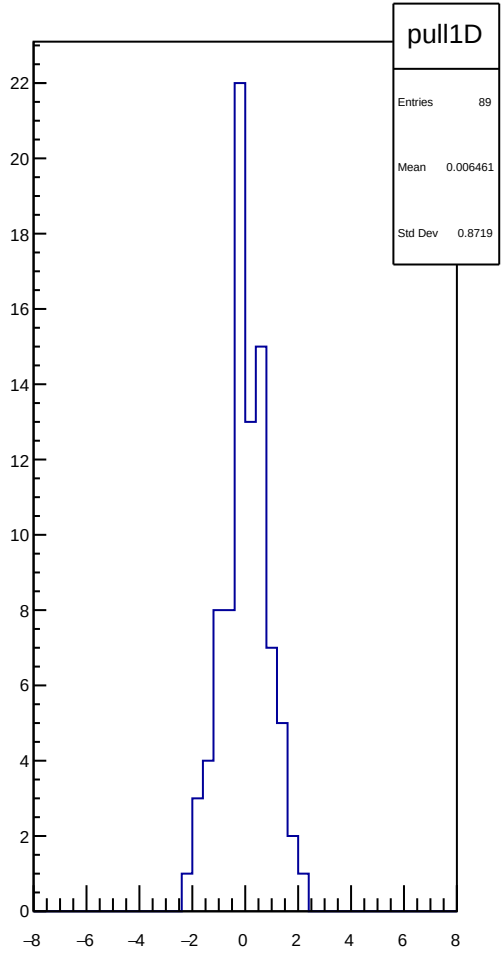

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.84 / 88
p0 −0.6467 ± 1.201
pull
Entries 89
Mean −82.24
Std Dev 128.9
pull1D
Entries 89
Mean −0.01225
Std Dev 0.7776

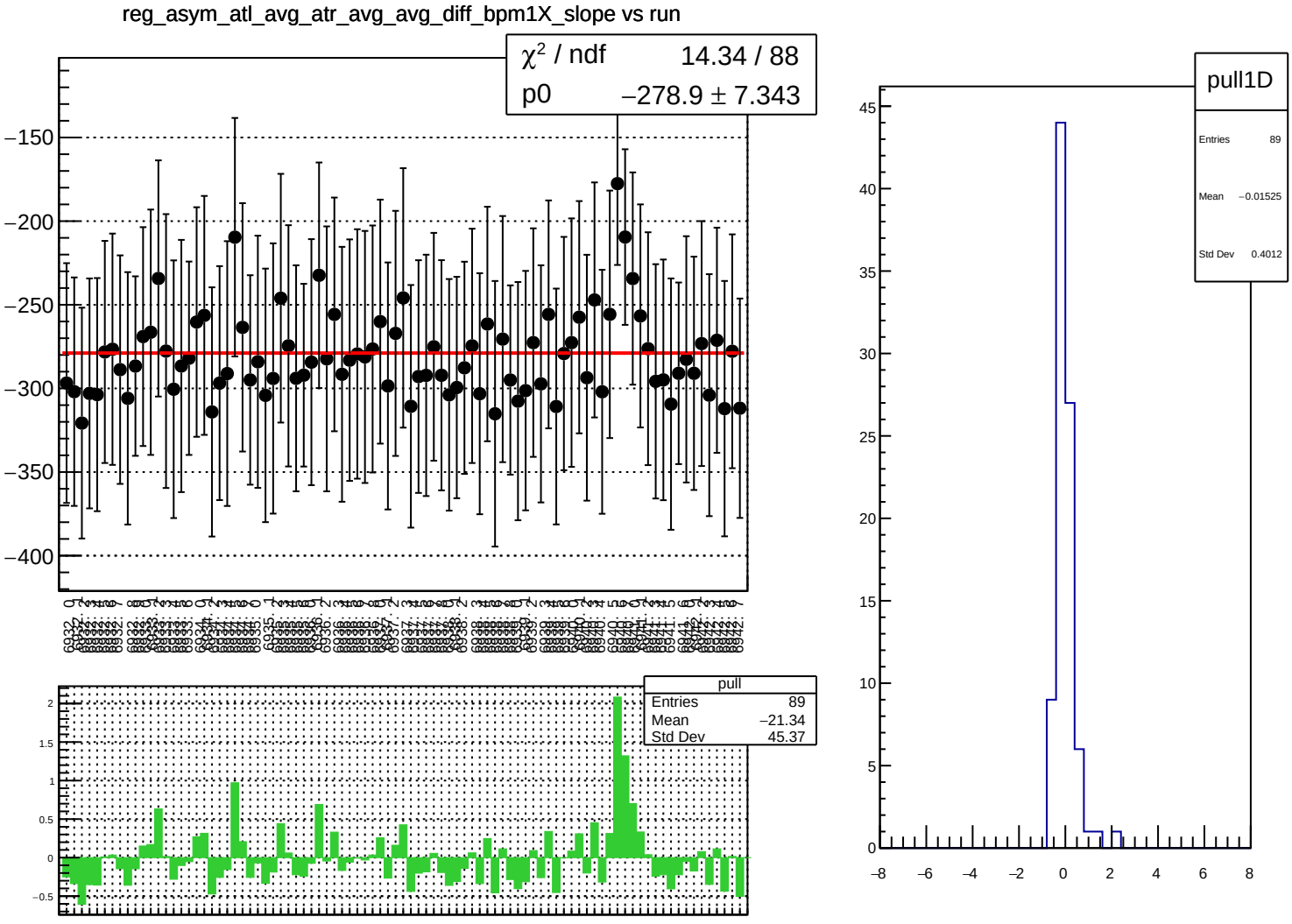

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.28 / 88
p0 42.88 ± 1.632
pull
Entries 89
Mean 436.1
Std Dev 382.1
pull1D
Entries 89
Mean −0.0101
Std Dev 0.9135

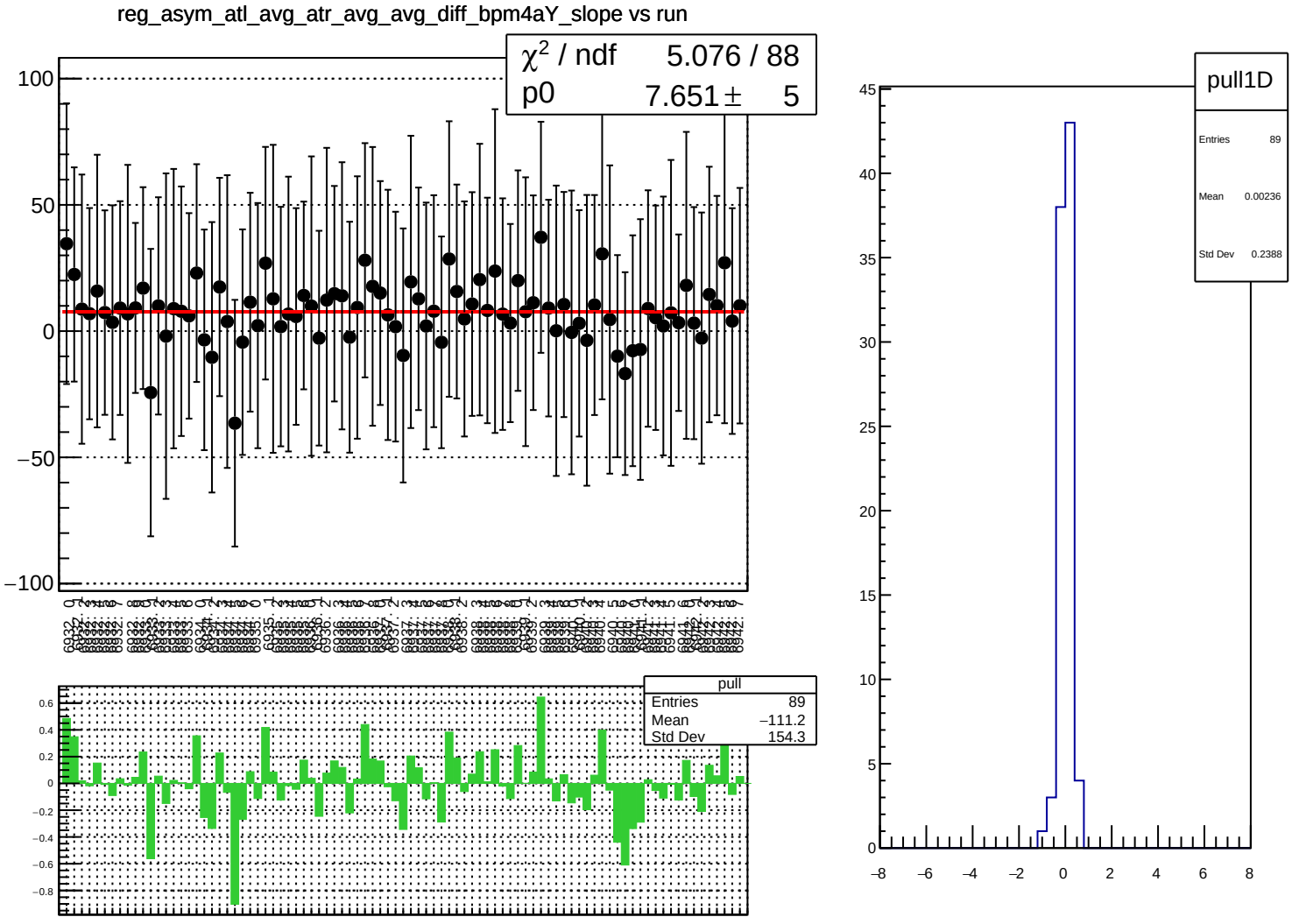

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.54 / 88
p0 −3.133 ± 1.388
pull
Entries 89
Mean 0.1241
Std Dev 48.3

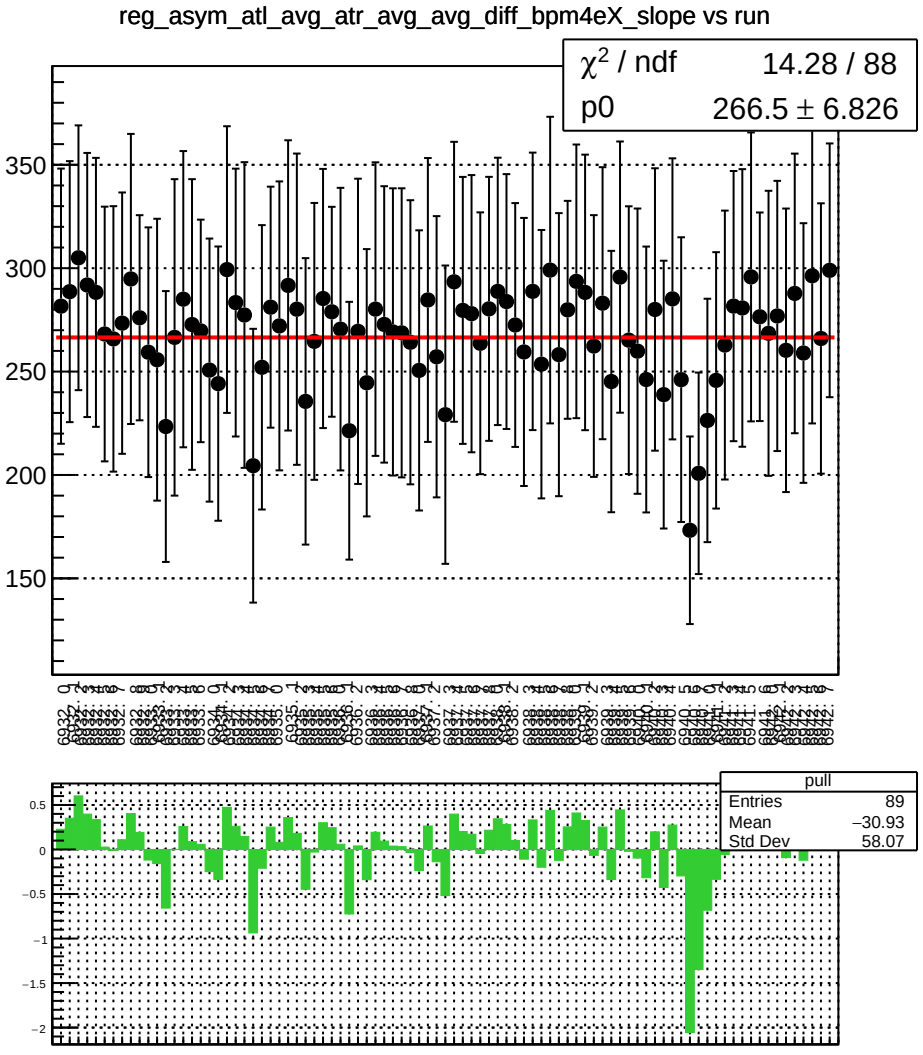

pull1D
Entries 89
Mean 0.01039
Std Dev 0.7609

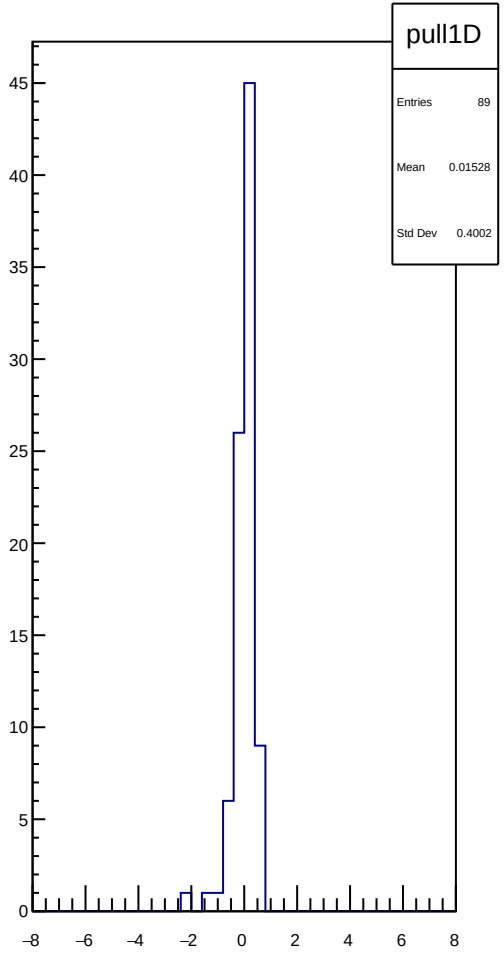

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 67.66 / 88
p0 8.22 ± 0.05714
pull
Entries 89
Mean −643.4
Std Dev 677.4

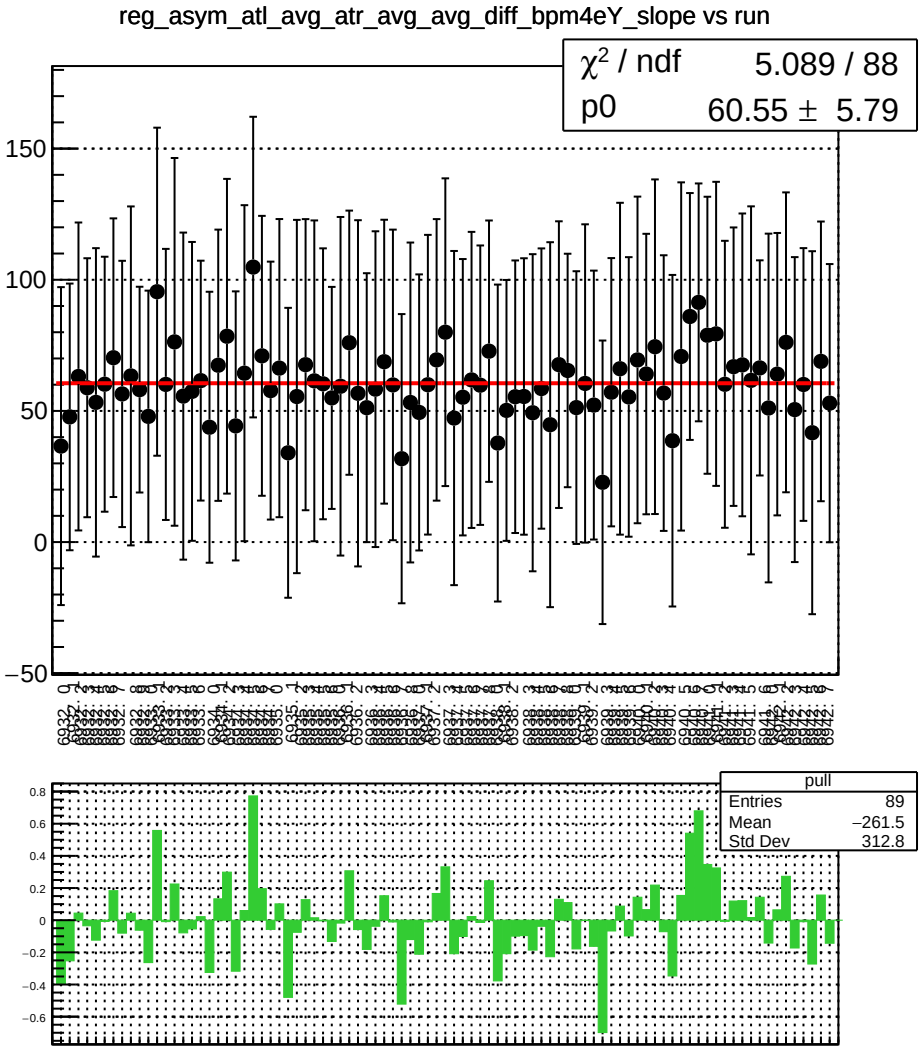

pull1D
Entries 89
Mean 0.006461
Std Dev 0.8719

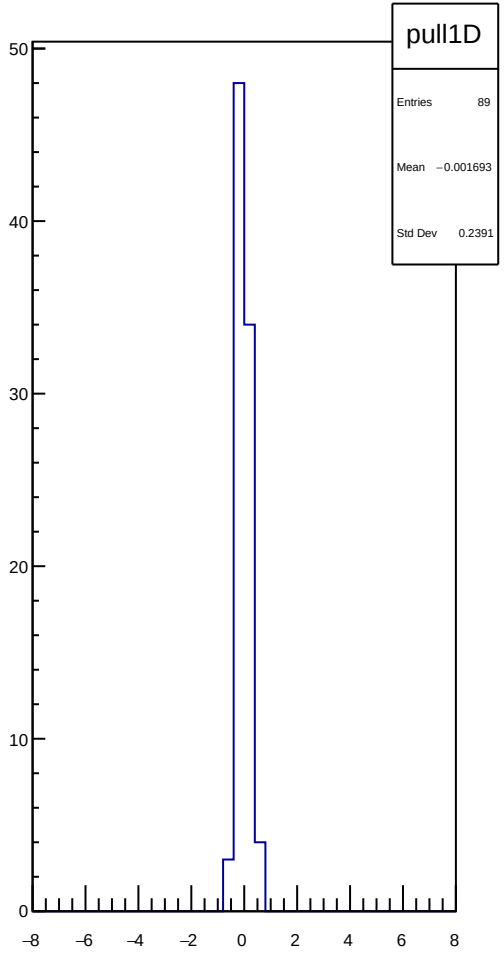

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 14.34 / 88
p0 −278.9 ± 7.343
pull
Entries 89
Mean −21.34
Std Dev 45.37
pull1D
Entries 89
Mean −0.01525
Std Dev 0.4012

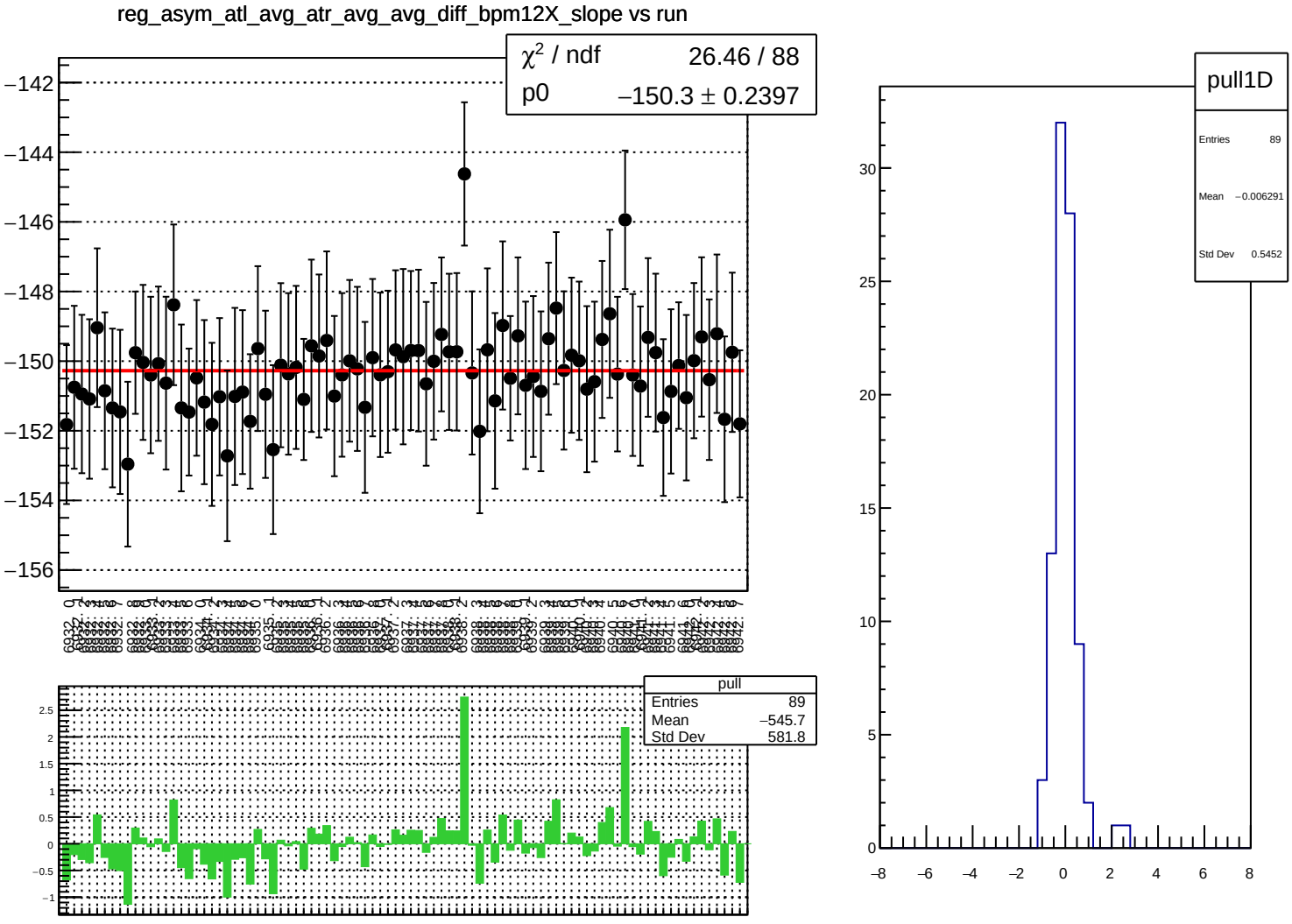

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.076 / 88
p0 7.651 ± 5
pull
Entries 89
Mean −111.2
Std Dev 154.3
pull1D
Entries 89
Mean 0.00236
Std Dev 0.2388

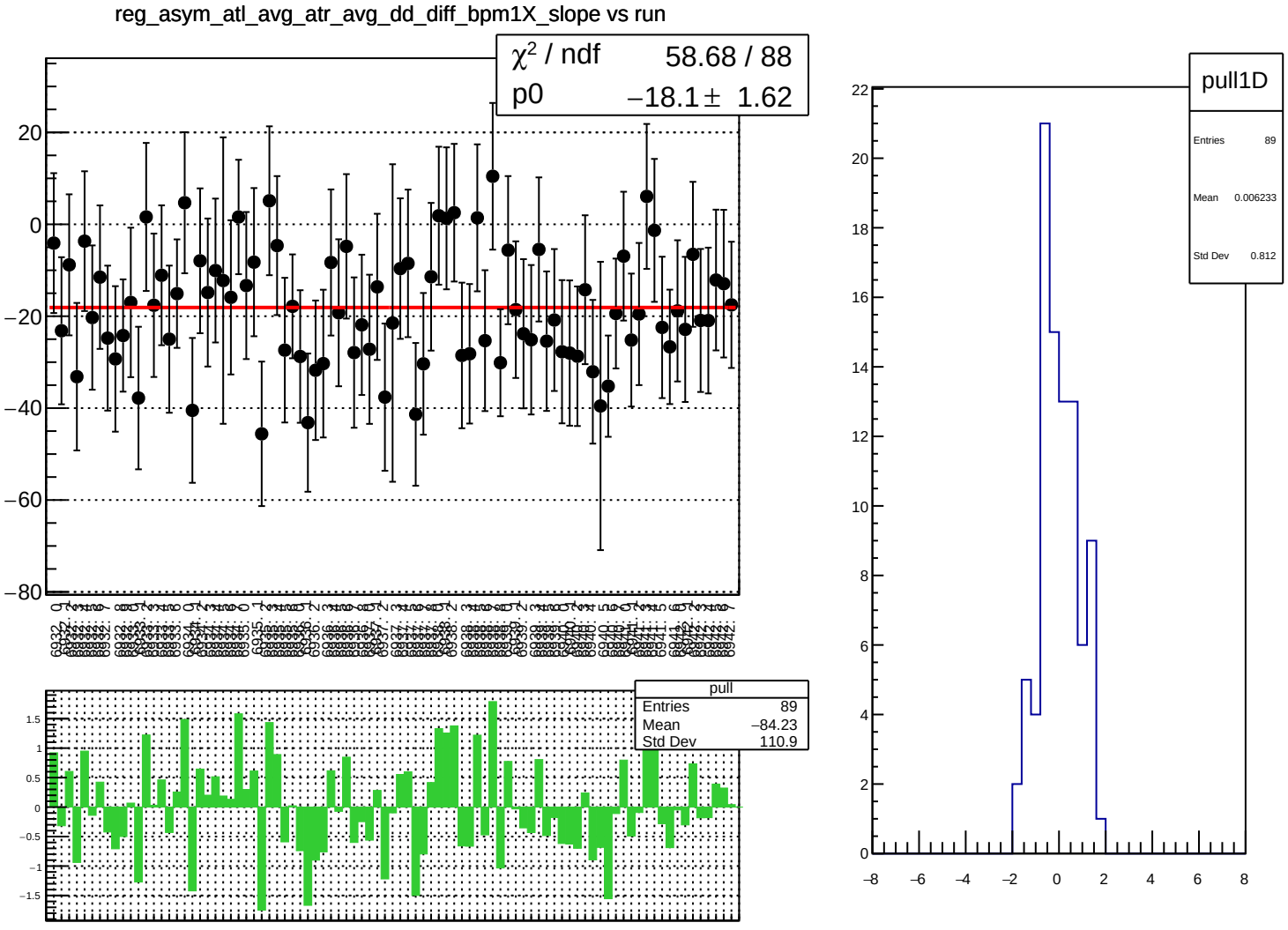

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.28 / 88
p0 266.5 ± 6.826
pull
Entries 89
Mean −30.93
Std Dev 58.07

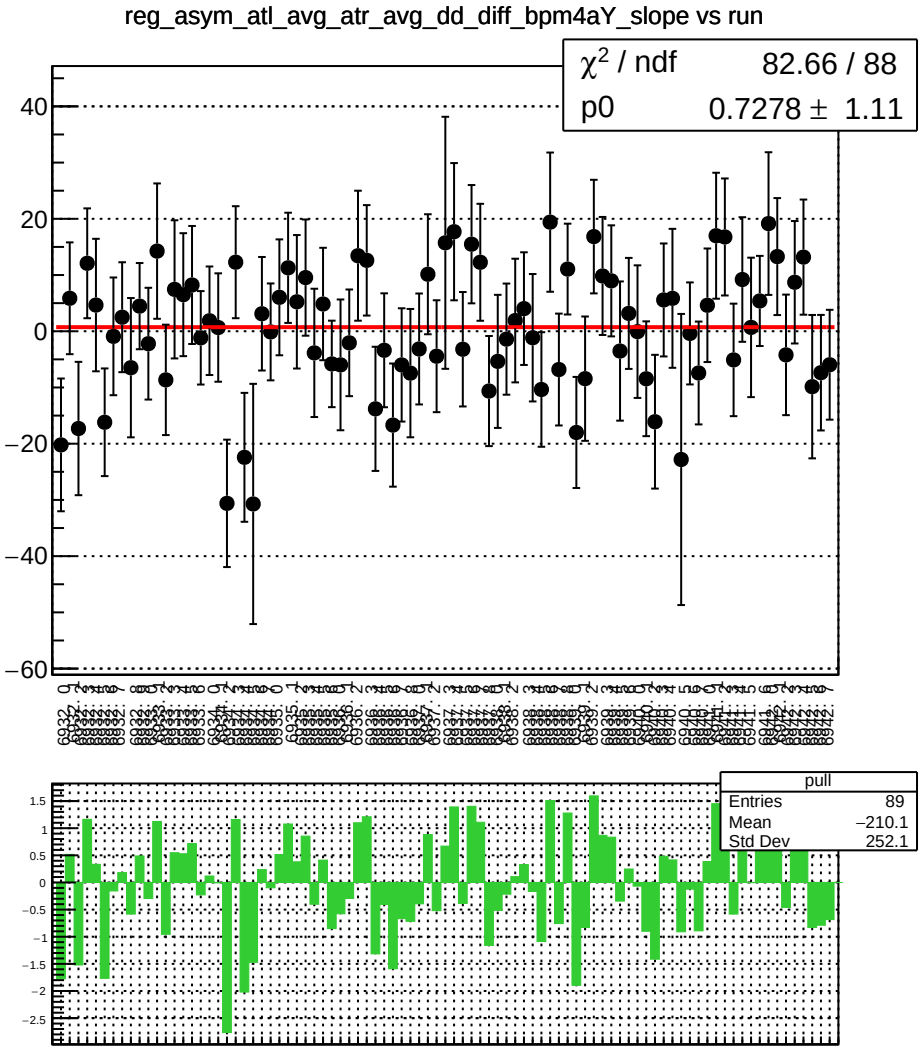

pull1D
Entries 89
Mean 0.01528
Std Dev 0.4002

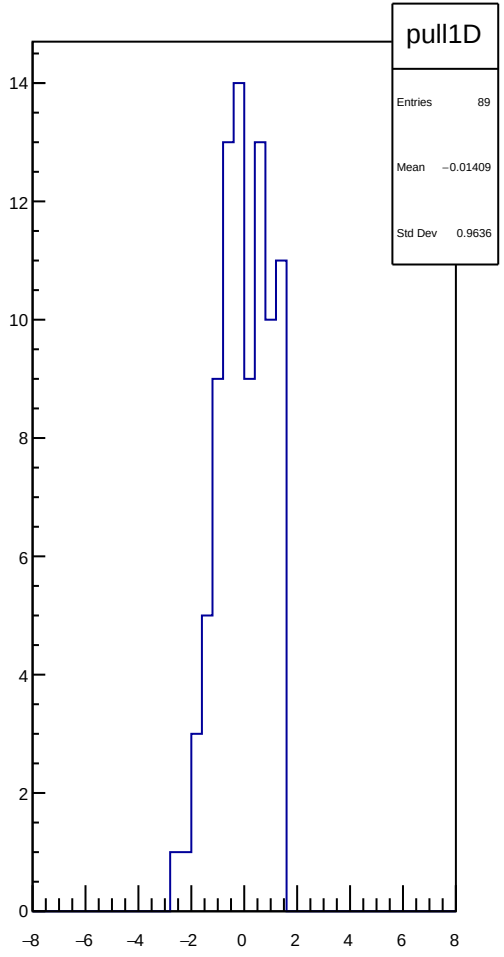

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.089 / 88
p0 60.55 ± 5.79
pull
Entries 89
Mean −261.5
Std Dev 312.8

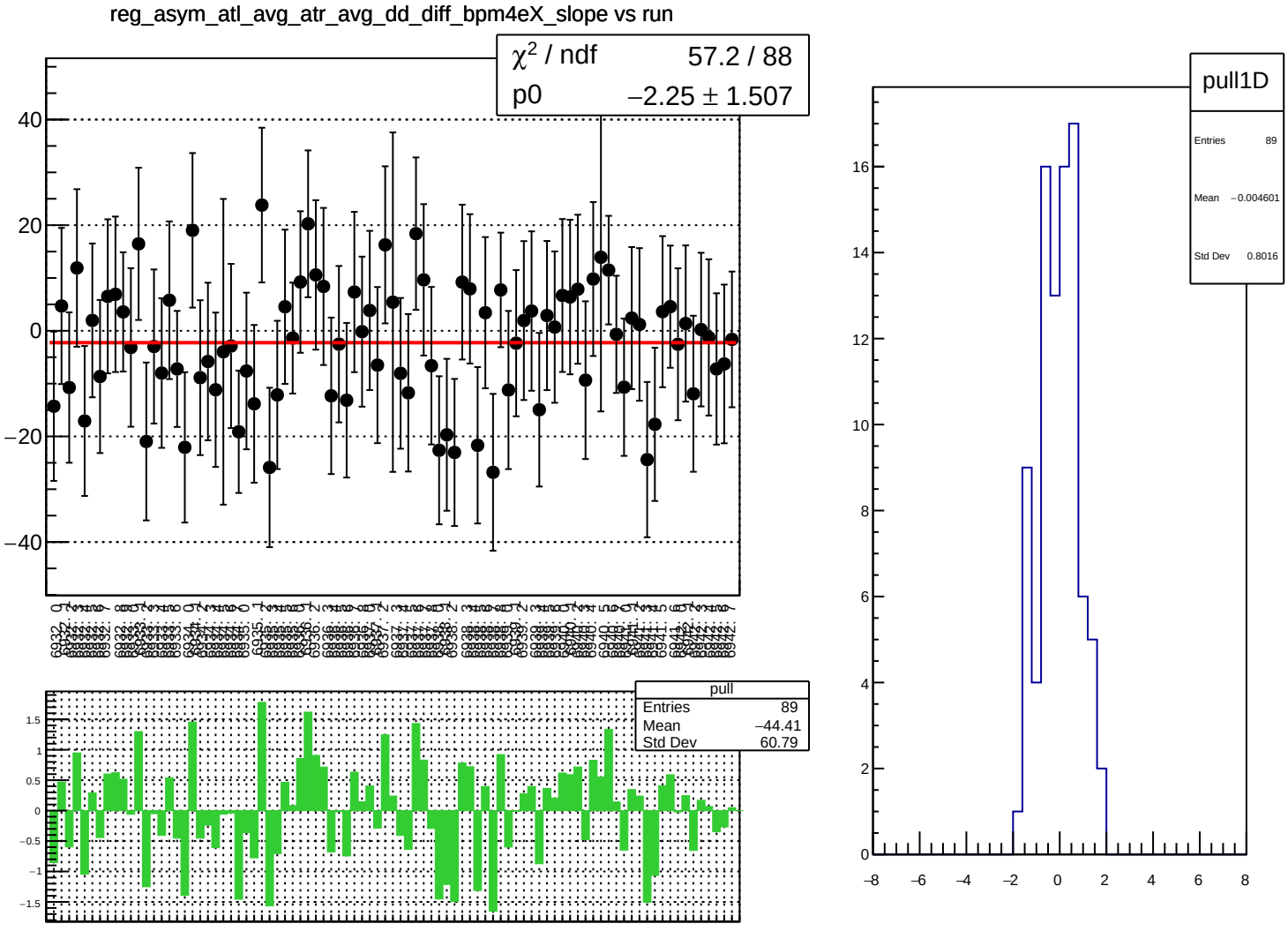

pull1D
Entries 89
Mean −0.001693
Std Dev 0.2391

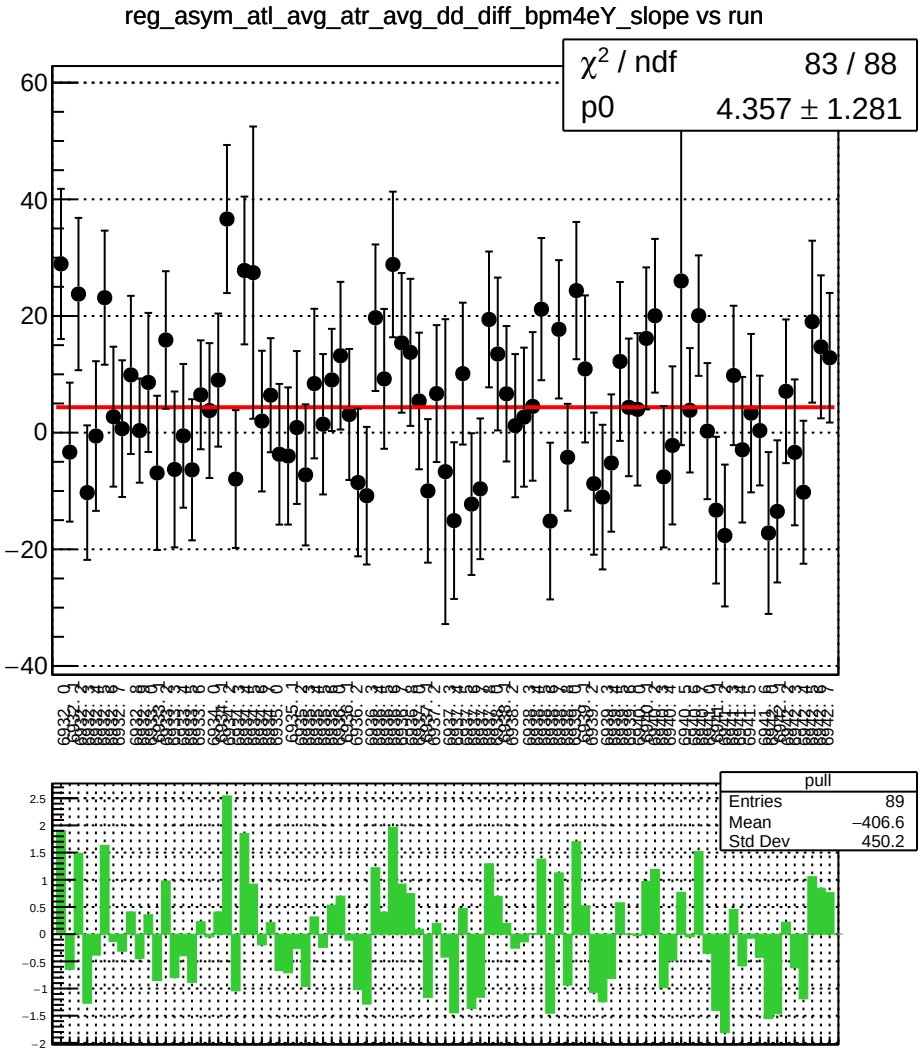

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 26.46 / 88
p0 −150.3 ± 0.2397
pull
Entries 89
Mean −545.7
Std Dev 581.8
pull1D
Entries 89
Mean −0.006291
Std Dev 0.5452

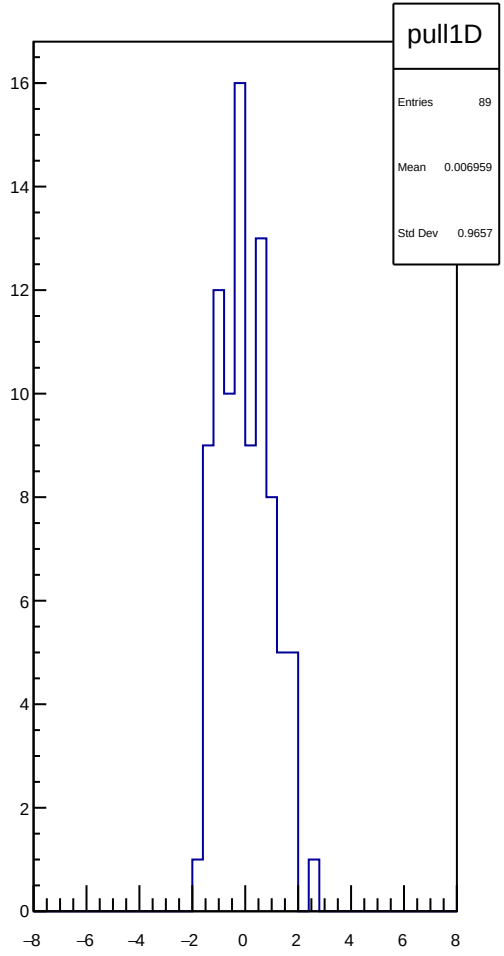

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 58.68 / 88
p0 −18.1 ± 1.62
pull
Entries 89
Mean −84.23
Std Dev 110.9
pull1D
Entries 89
Mean 0.006233
Std Dev 0.812

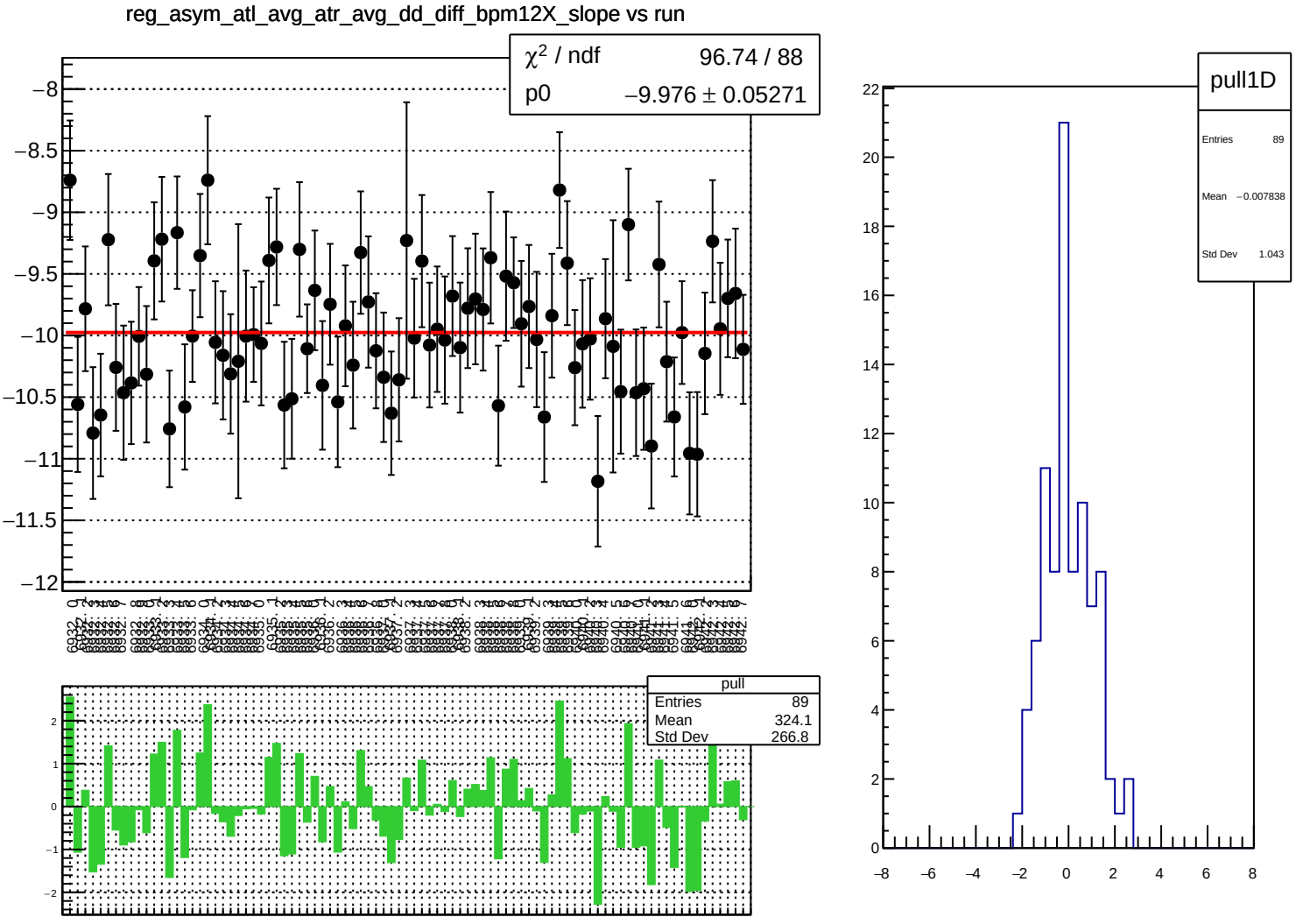

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.66 / 88
p0 0.7278 ± 1.11
pull
Entries 89
Mean −210.1
Std Dev 252.1

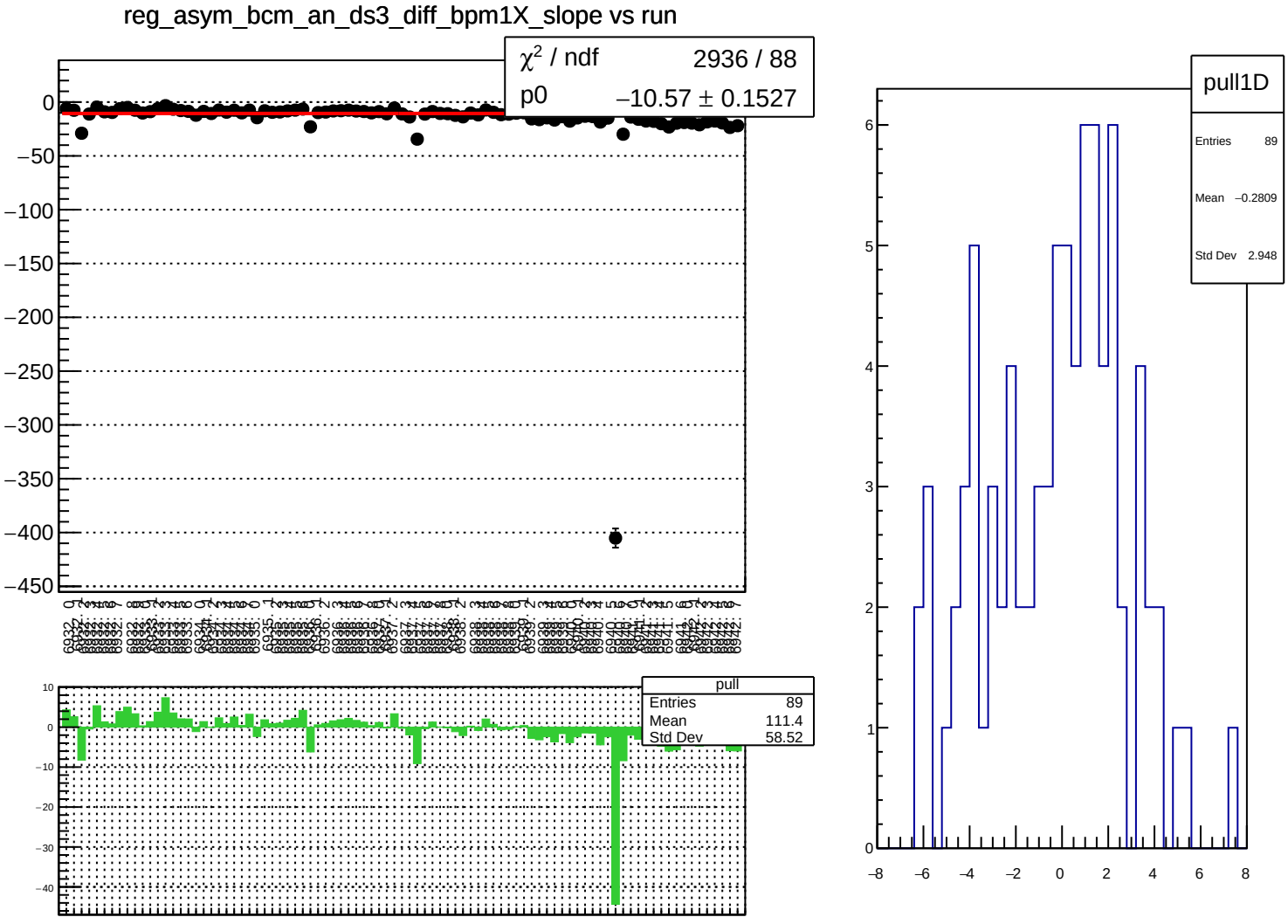

pull1D
Entries 89
Mean −0.01409
Std Dev 0.9636

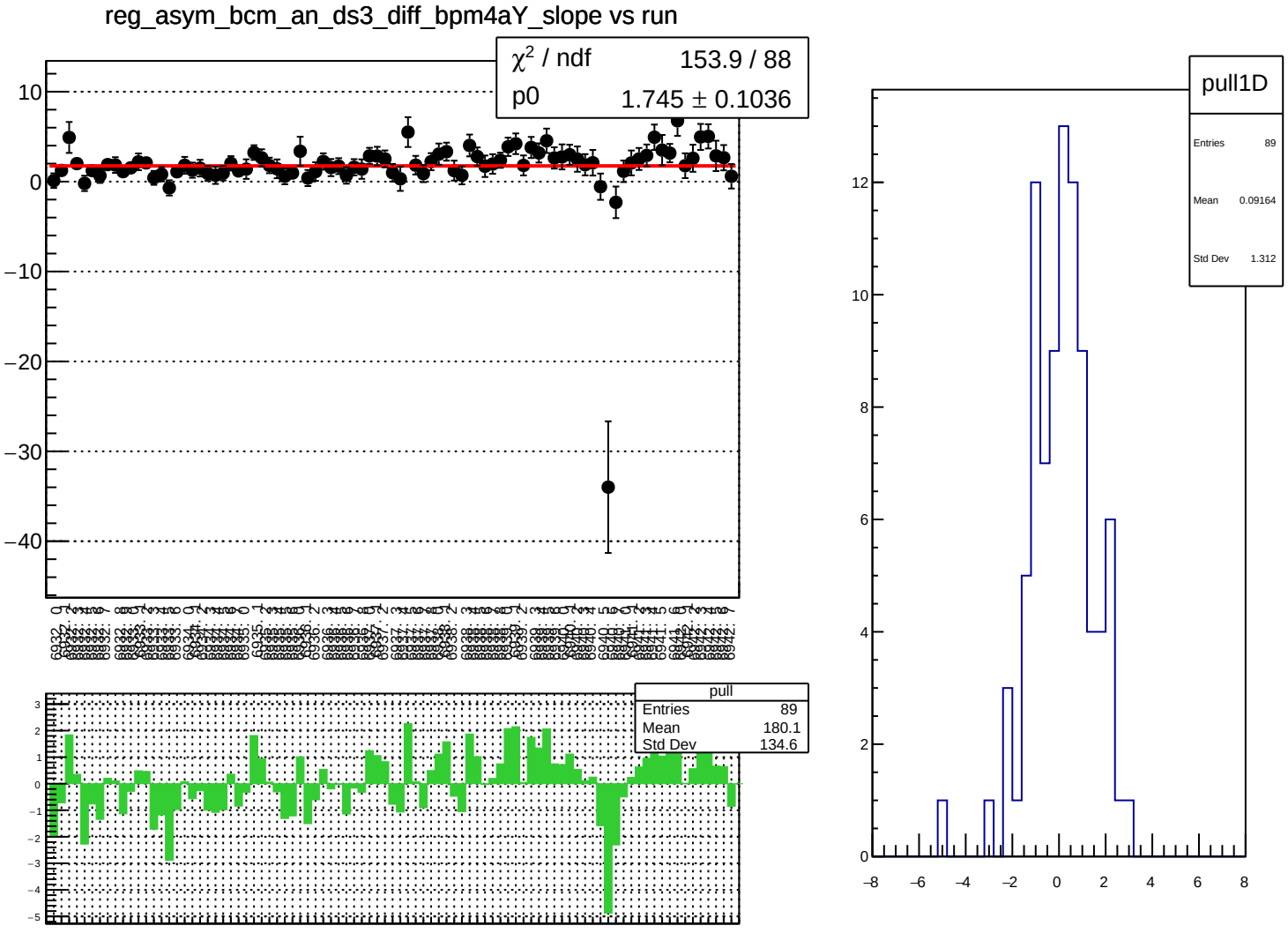

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.2 / 88
p0 −2.25 ± 1.507
pull
Entries 89
Mean −44.41
Std Dev 60.79
pull1D
Entries 89
Mean −0.004601
Std Dev 0.8016

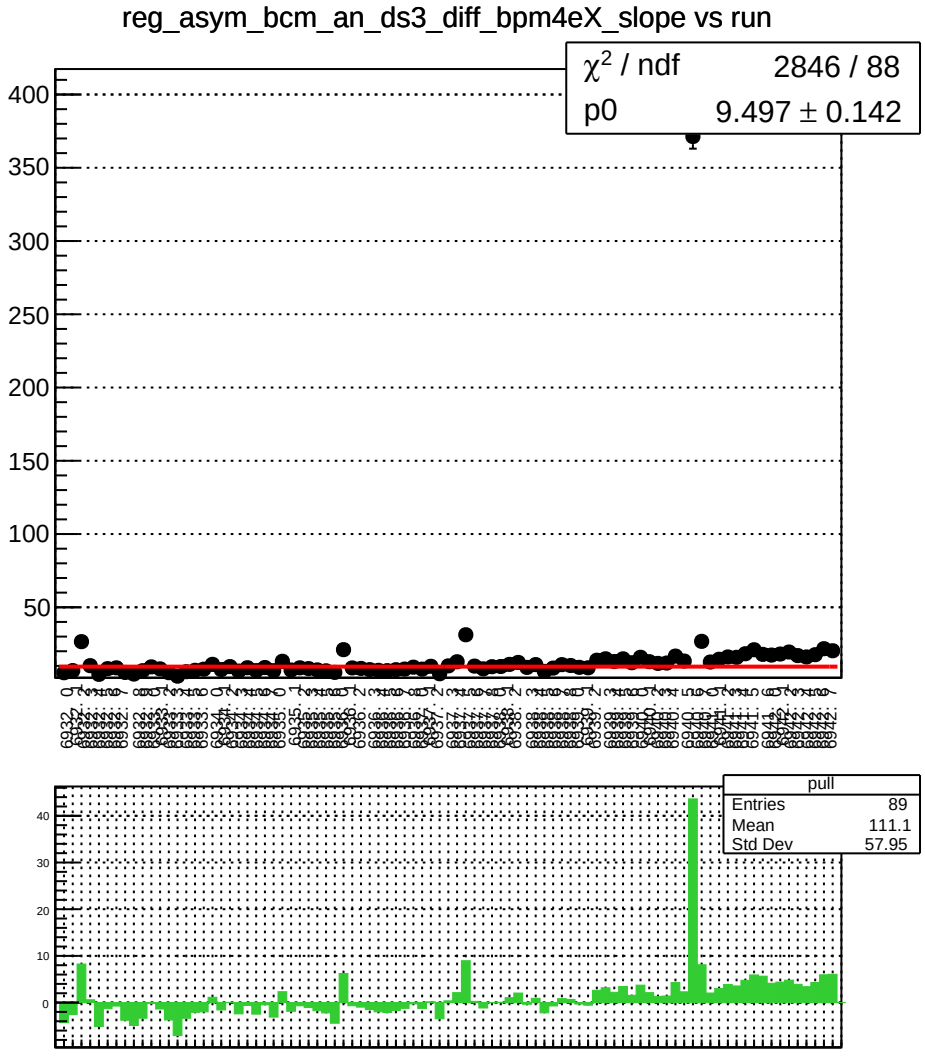

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 83 / 88
p0 4.357 ± 1.281
pull
Entries 89
Mean −406.6
Std Dev 450.2

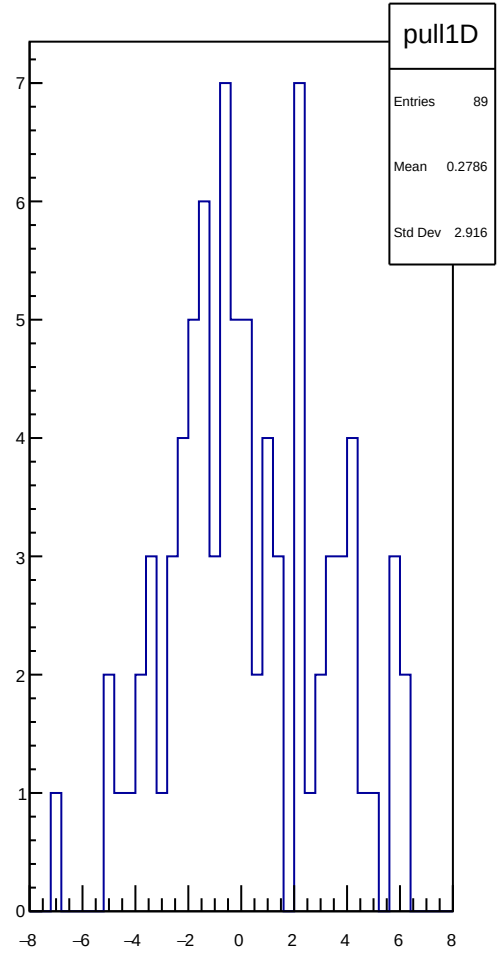

pull1D
Entries 89
Mean 0.006959
Std Dev 0.9657

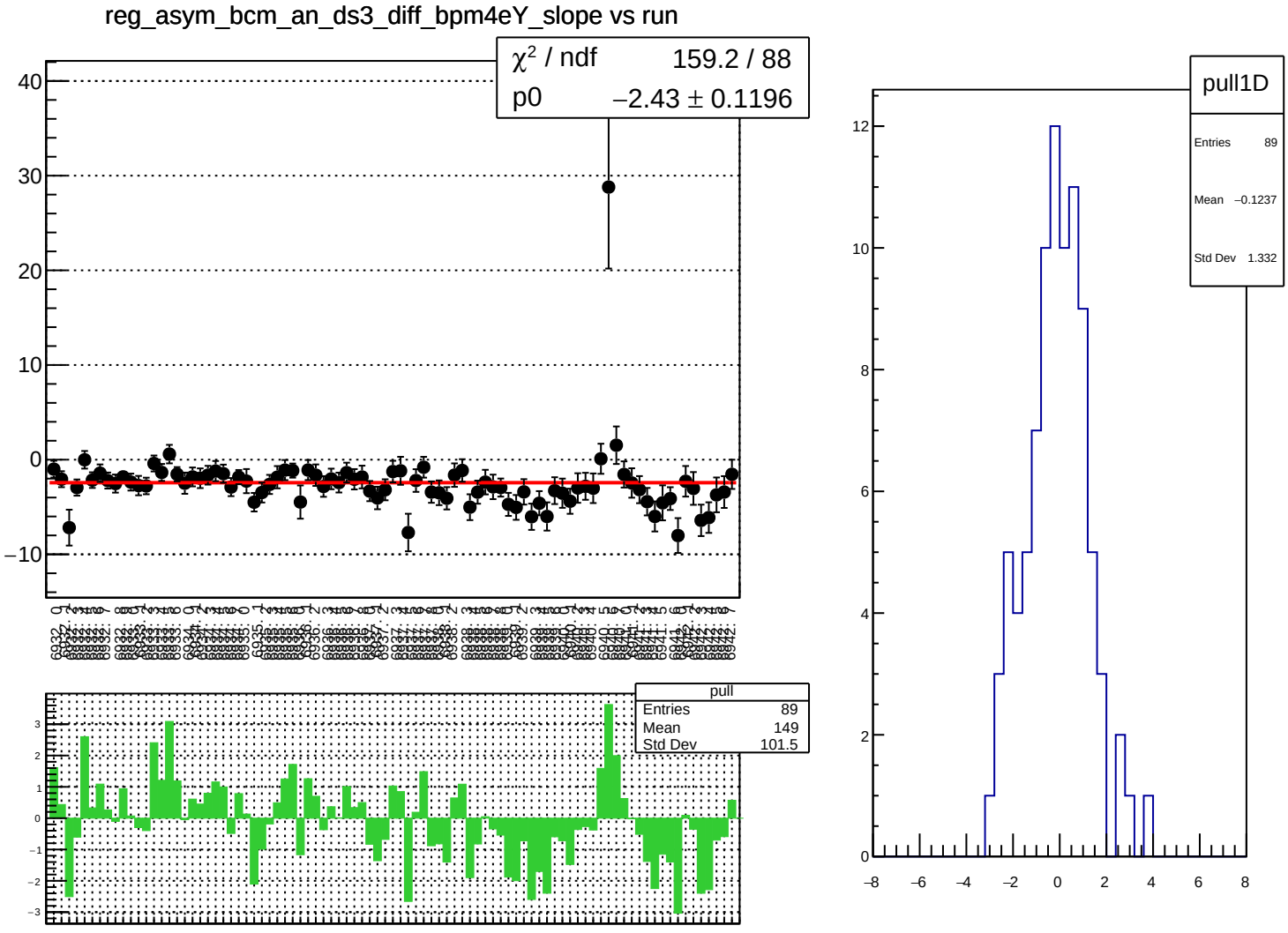

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 96.74 / 88
p0 −9.976 ± 0.05271
pull
Entries 89
Mean 324.1
Std Dev 266.8
pull1D
Entries 89
Mean −0.007838
Std Dev 1.043

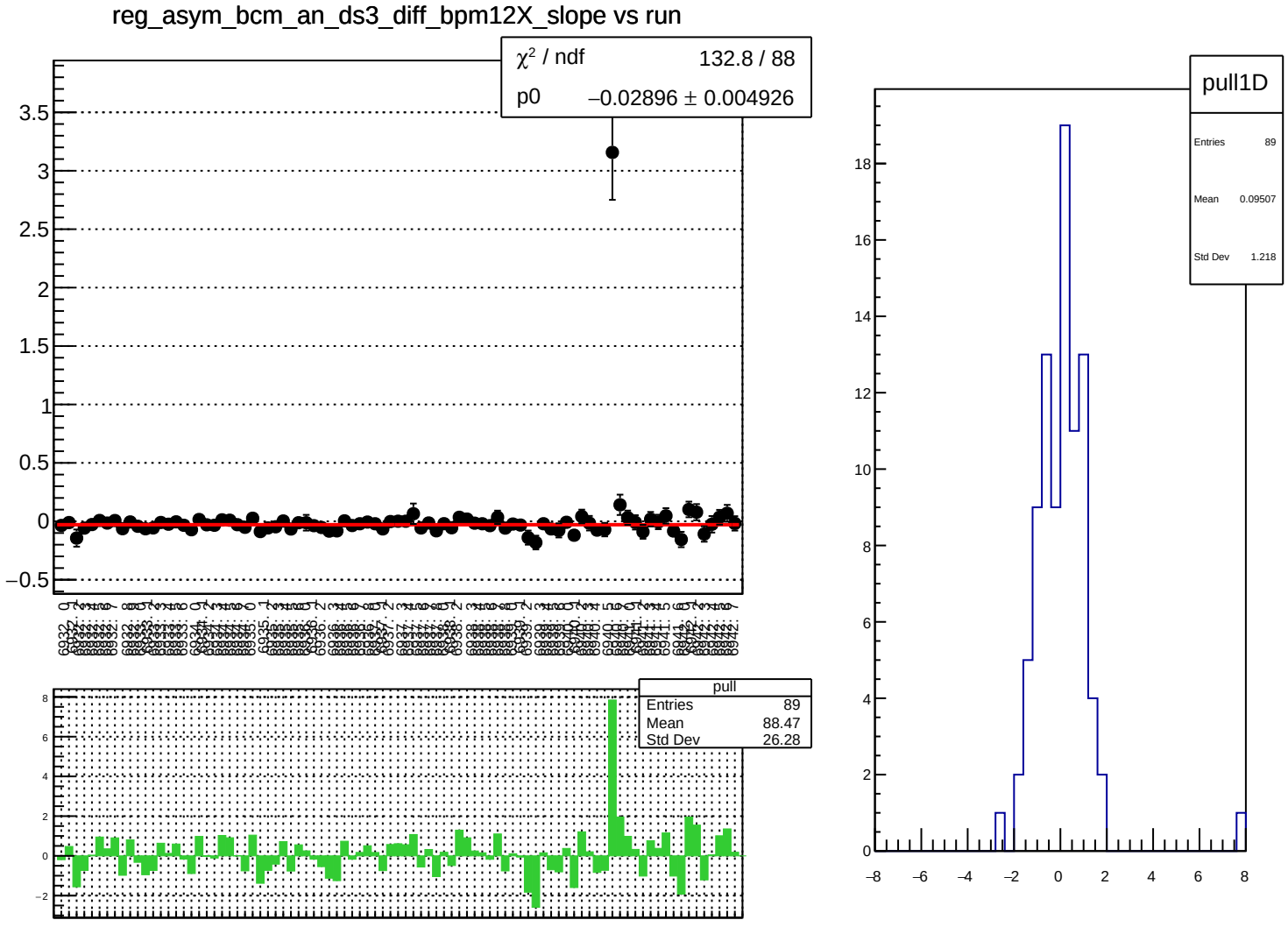

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2936 / 88
p0 −10.57 ± 0.1527
pull
Entries 89
Mean 111.4
Std Dev 58.52
pull1D
Entries 89
Mean −0.2809
Std Dev 2.948

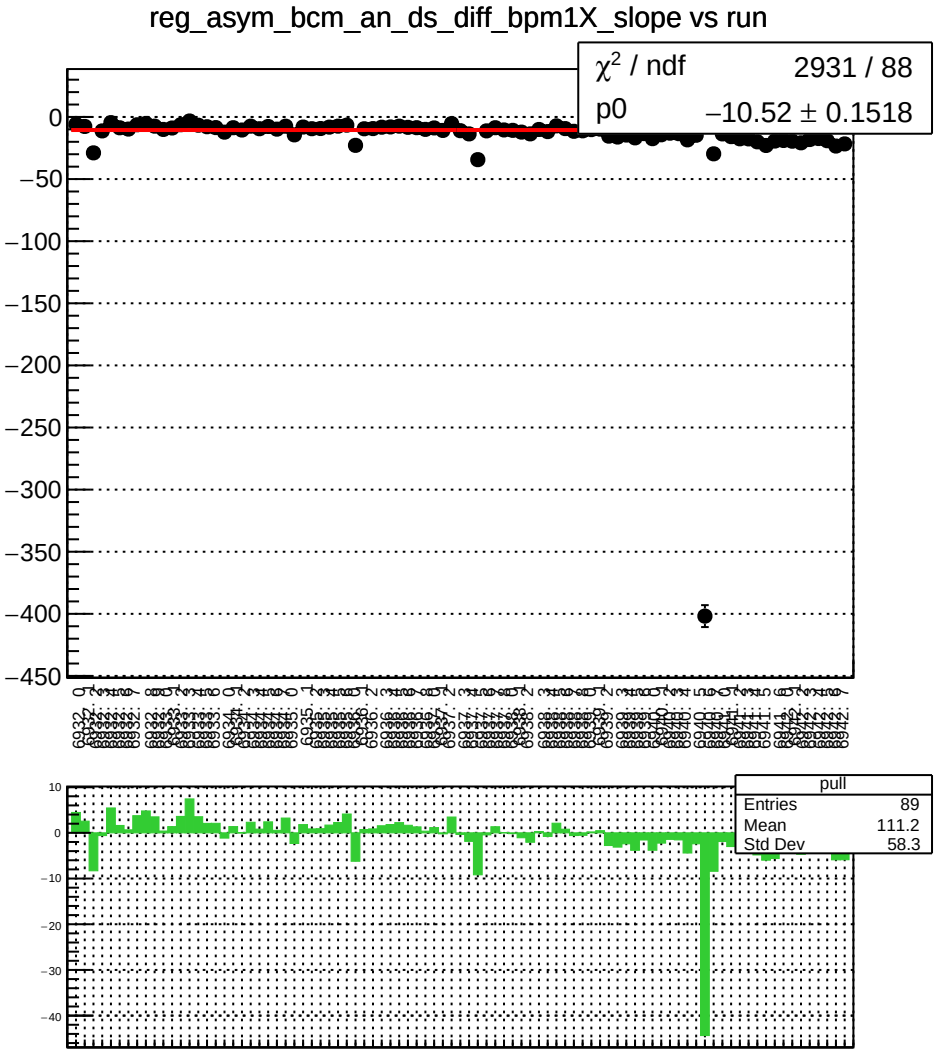

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 153.9 / 88
p0 1.745 ± 0.1036
pull
Entries 89
Mean 180.1
Std Dev 134.6
pull1D
Entries 89
Mean 0.09164
Std Dev 1.312

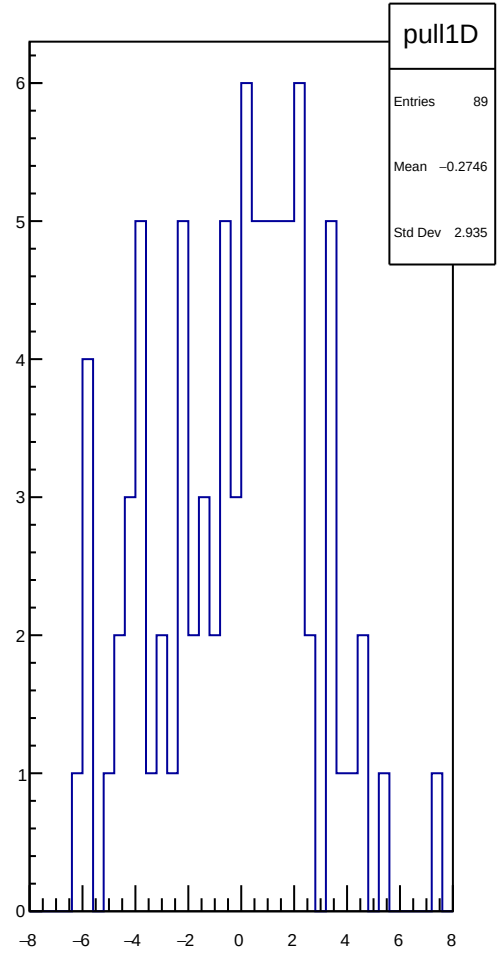

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2846 / 88
p0 9.497 ± 0.142
pull
Entries 89
Mean 111.1
Std Dev 57.95

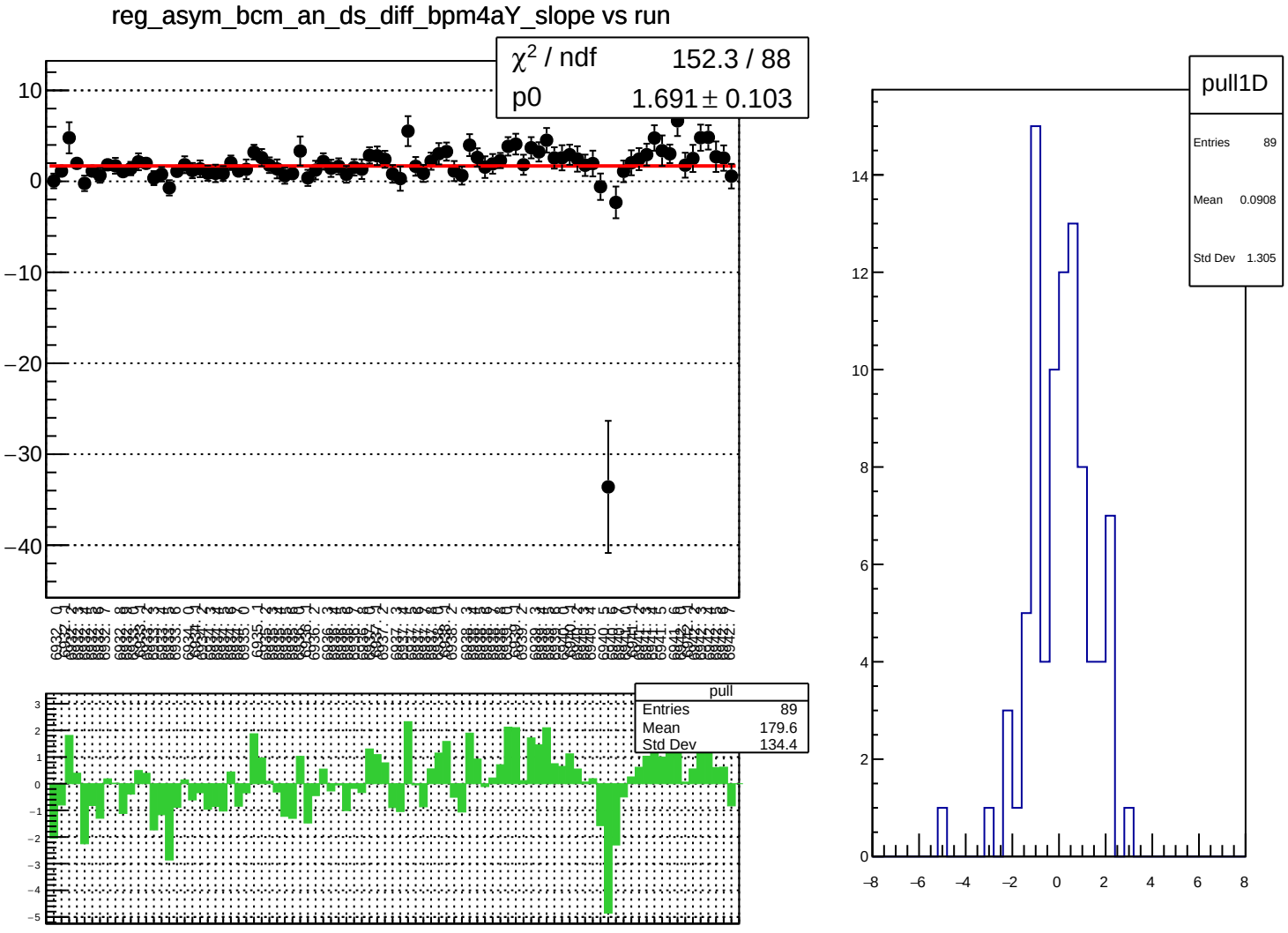

pull1D
Entries 89
Mean 0.2786
Std Dev 2.916

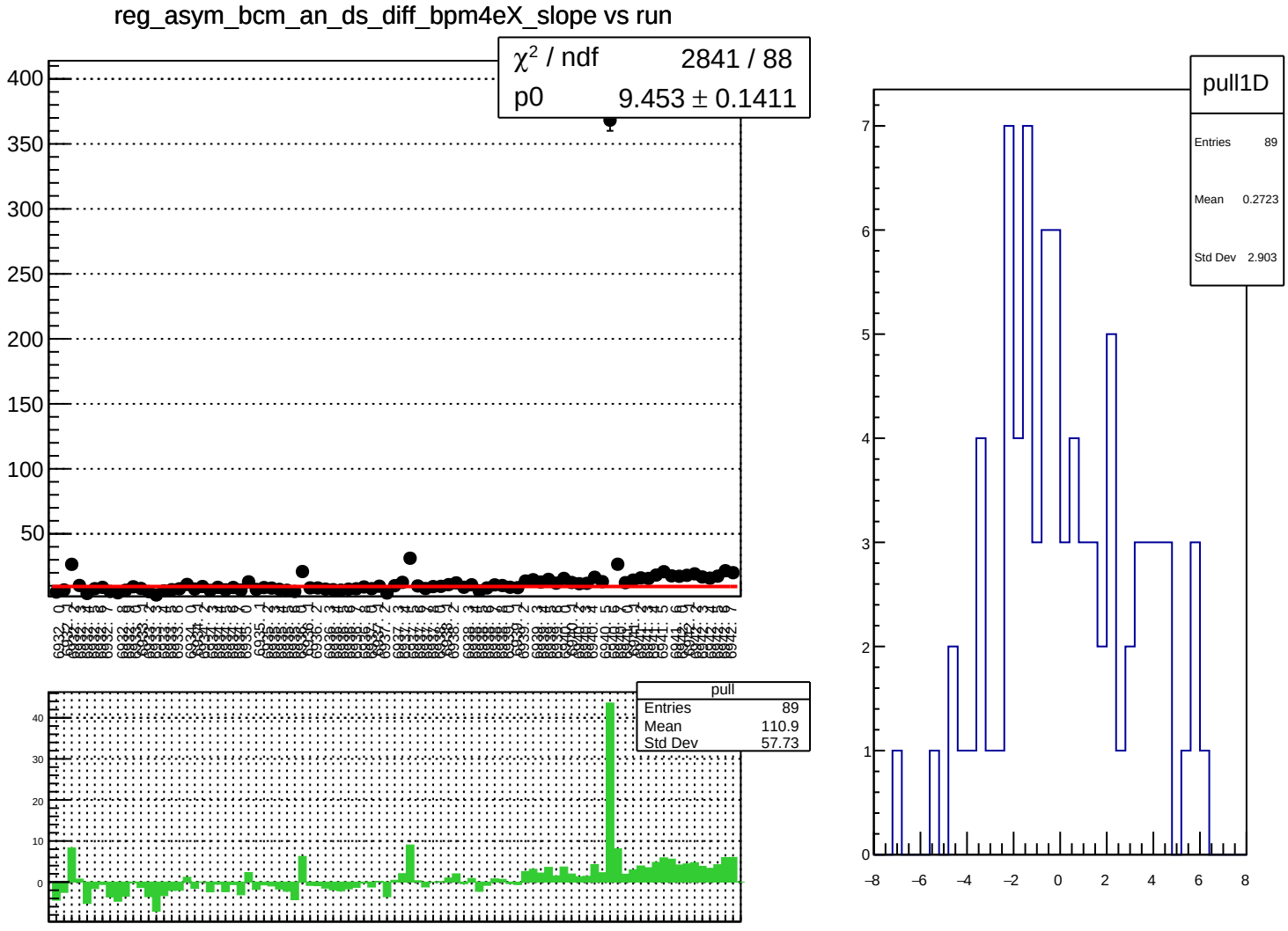

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 159.2 / 88
p0 −2.43 ± 0.1196
pull
Entries 89
Mean 149
Std Dev 101.5
pull1D
Entries 89
Mean −0.1237
Std Dev 1.332

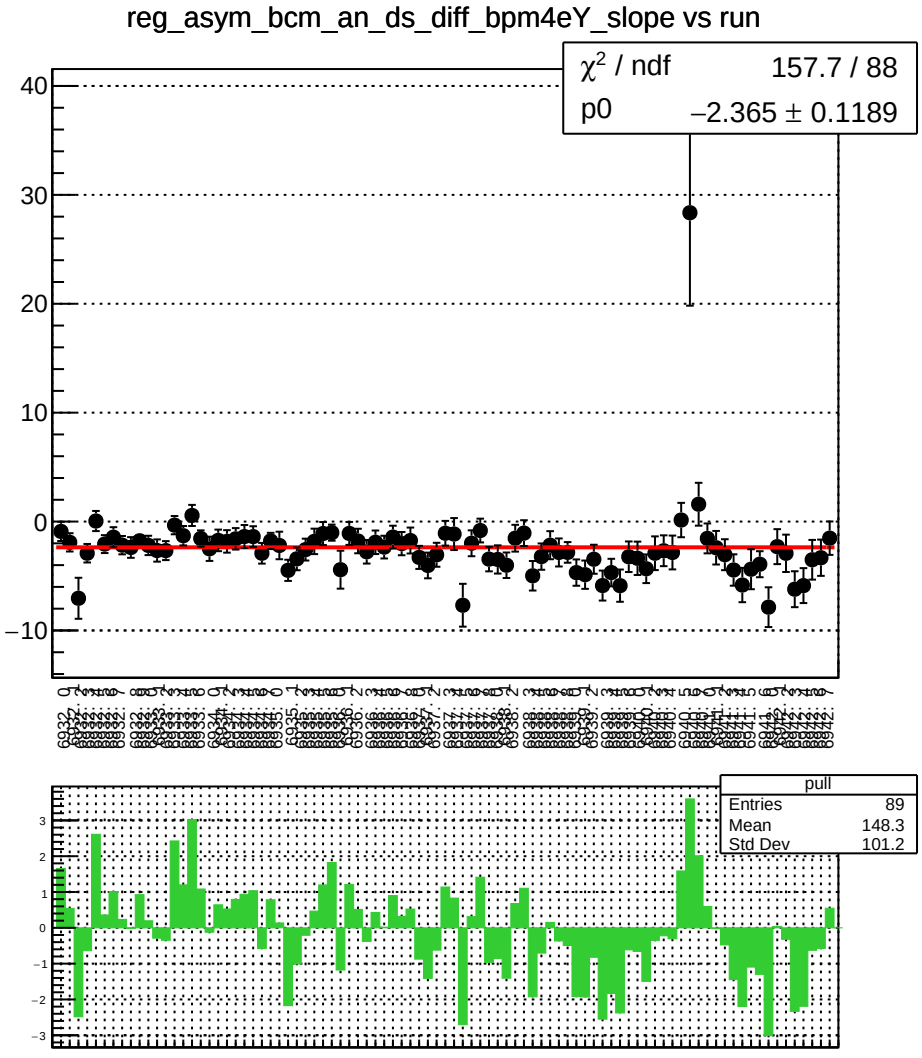

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 132.8 / 88
p0 −0.02896 ± 0.004926
pull
Entries 89
Mean 88.47
Std Dev 26.28
pull1D
Entries 89
Mean 0.09507
Std Dev 1.218

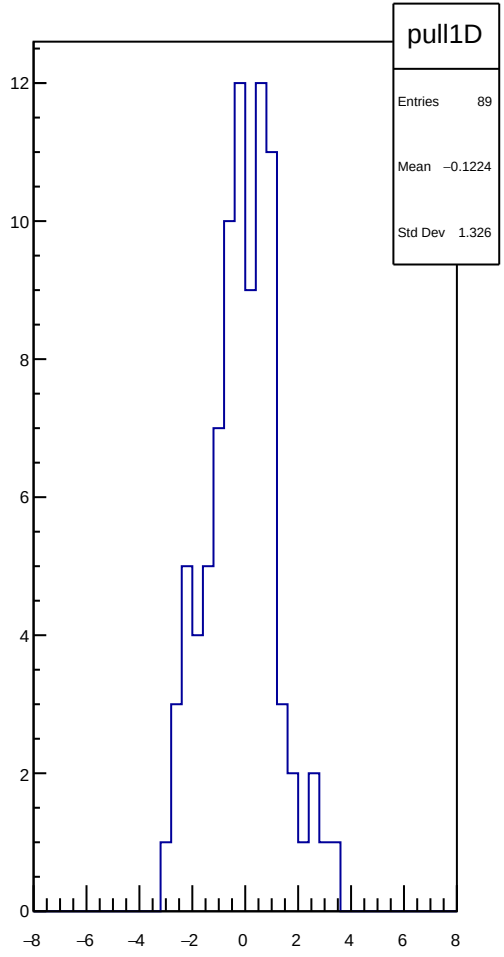

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 2931 / 88
p0 −10.52 ± 0.1518
pull
Entries 89
Mean 111.2
Std Dev 58.3

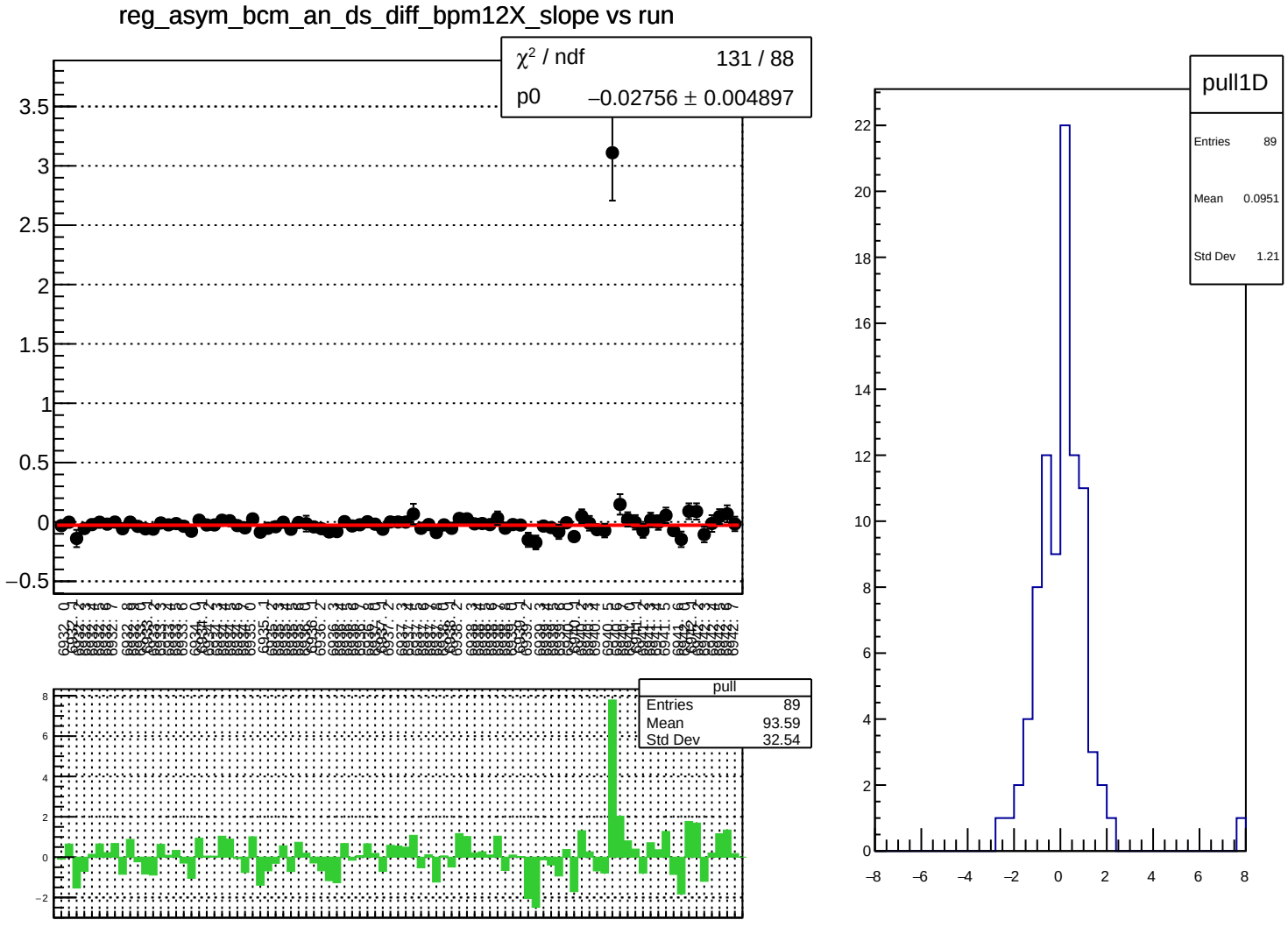

pull1D
Entries 89
Mean −0.2746
Std Dev 2.935

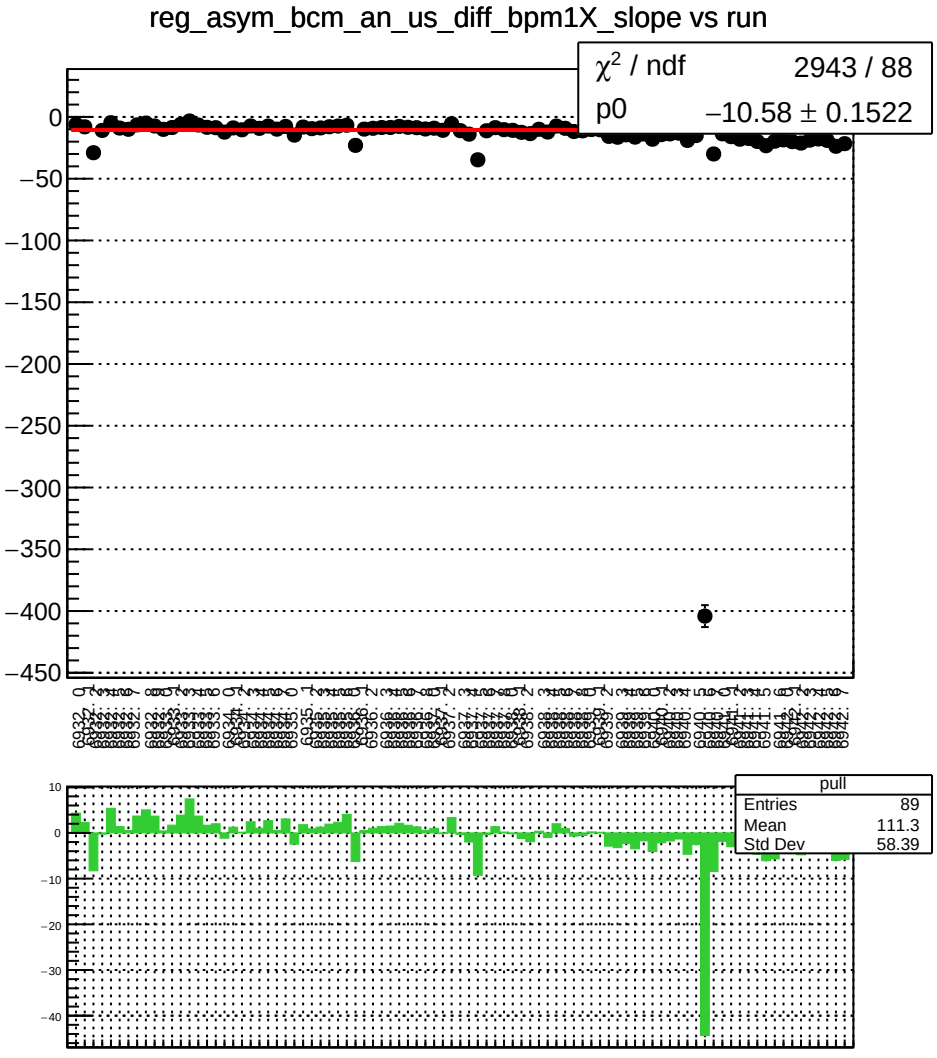

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ2 / ndf 152.3 / 88
p0 1.691 ± 0.103
pull
Entries 89
Mean 179.6
Std Dev 134.4
pull1D
Entries 89
Mean 0.0908
Std Dev 1.305

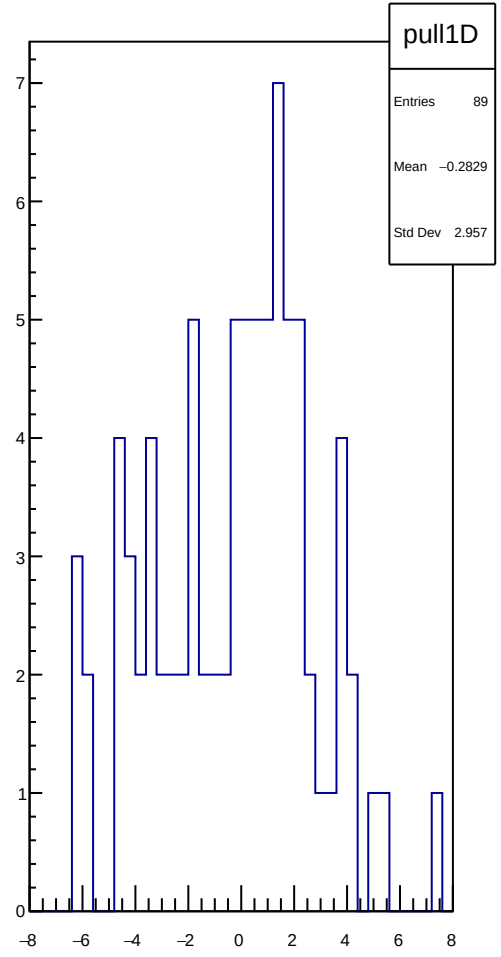

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2841 / 88
p0 9.453 ± 0.1411
pull
Entries 89
Mean 110.9
Std Dev 57.73
pull1D
Entries 89
Mean 0.2723
Std Dev 2.903

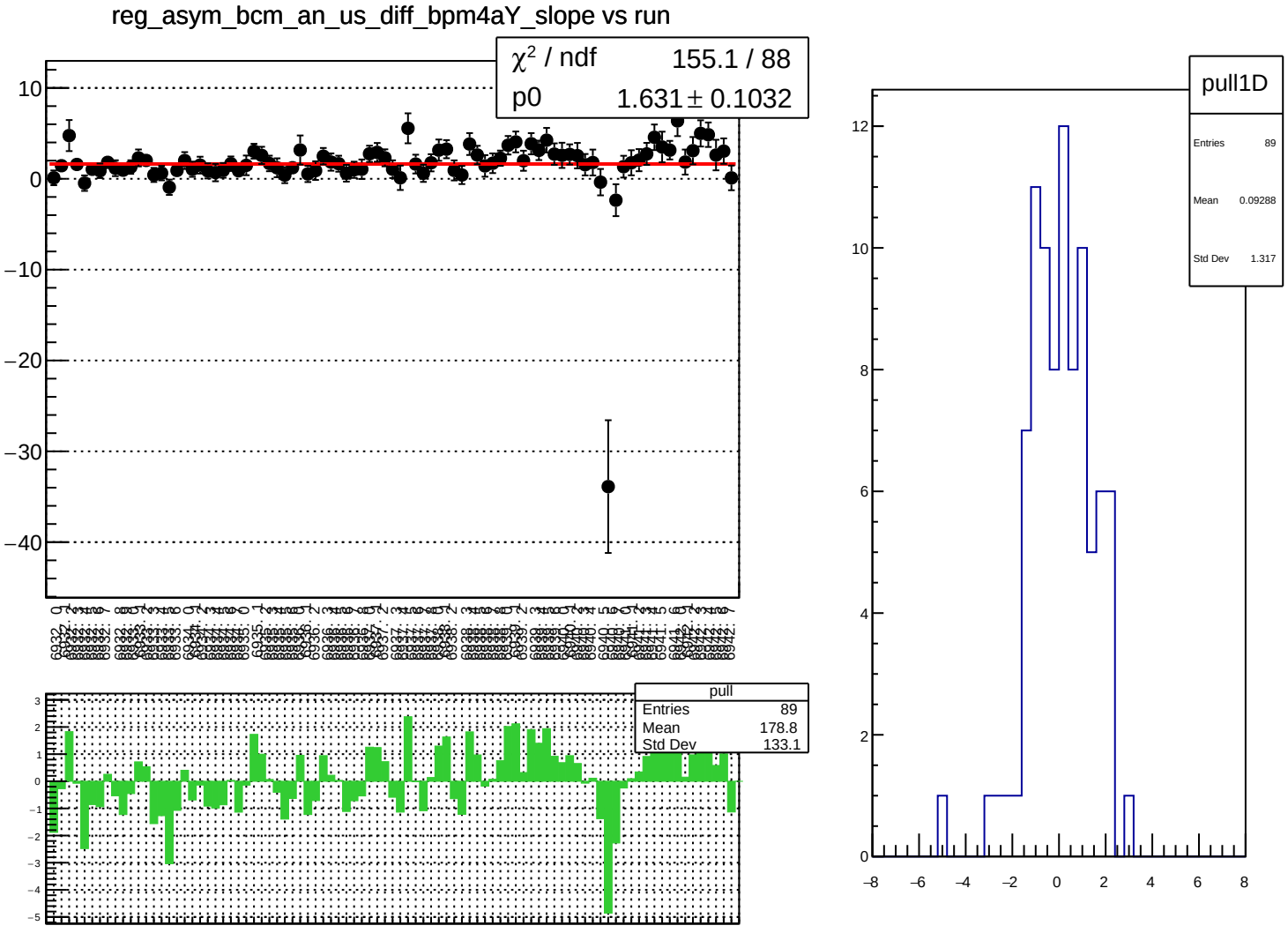

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 157.7 / 88
p0 −2.365 ± 0.1189
pull
Entries 89
Mean 148.3
Std Dev 101.2

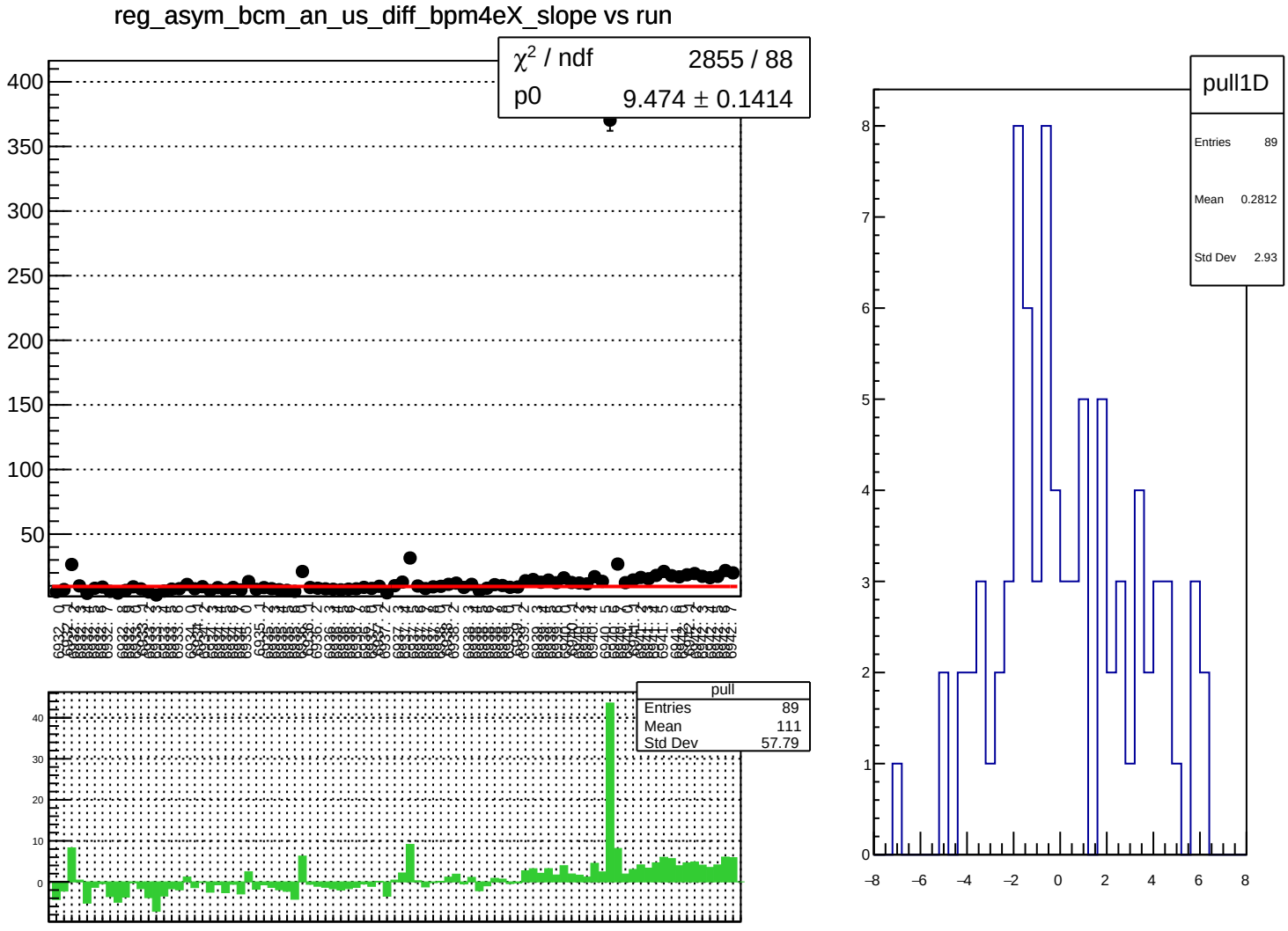

pull1D
Entries 89
Mean −0.1224
Std Dev 1.326

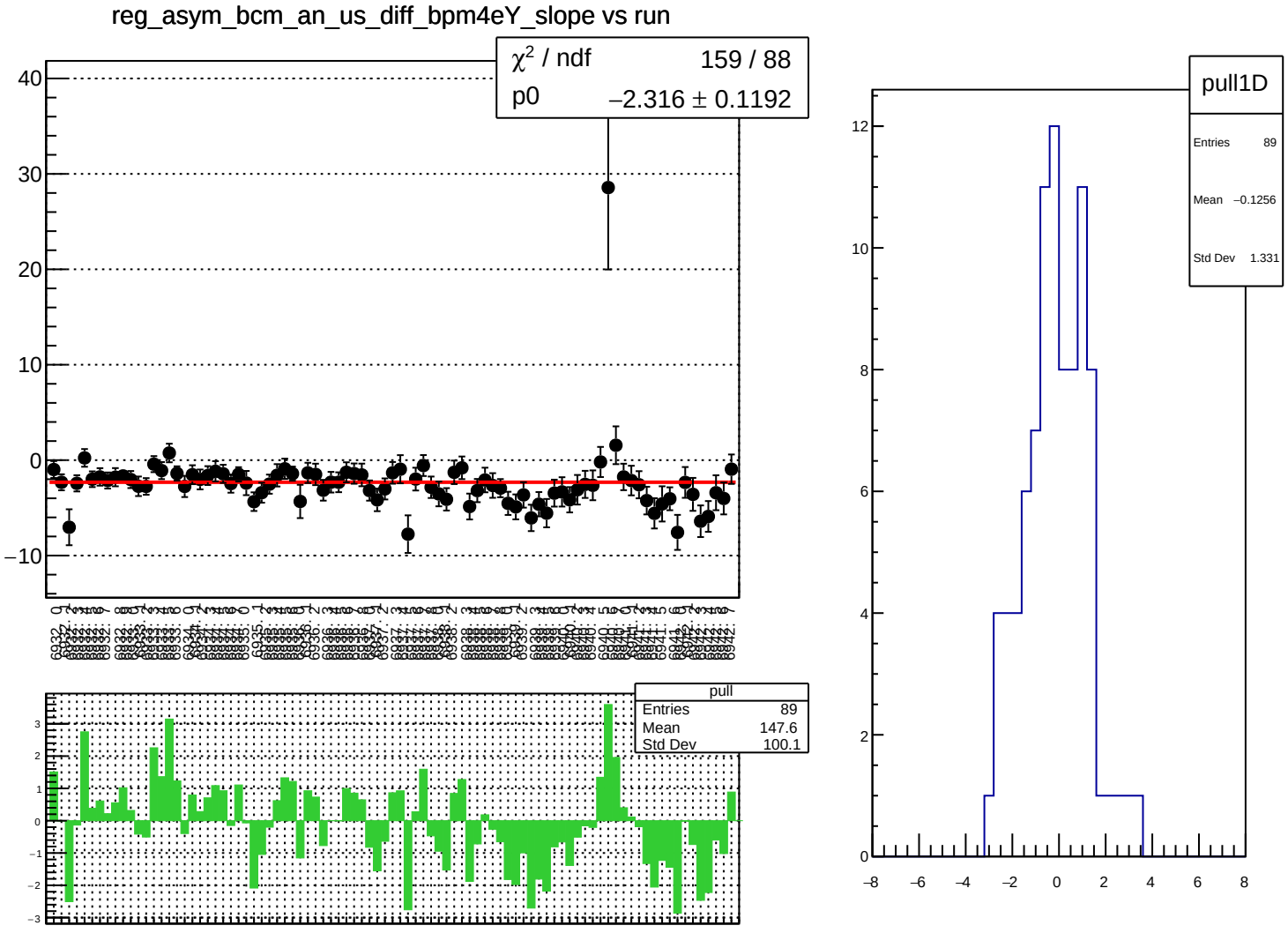

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 131 / 88
p0 −0.02756 ± 0.004897
pull
Entries 89
Mean 93.59
Std Dev 32.54
pull1D
Entries 89
Mean 0.0951
Std Dev 1.21

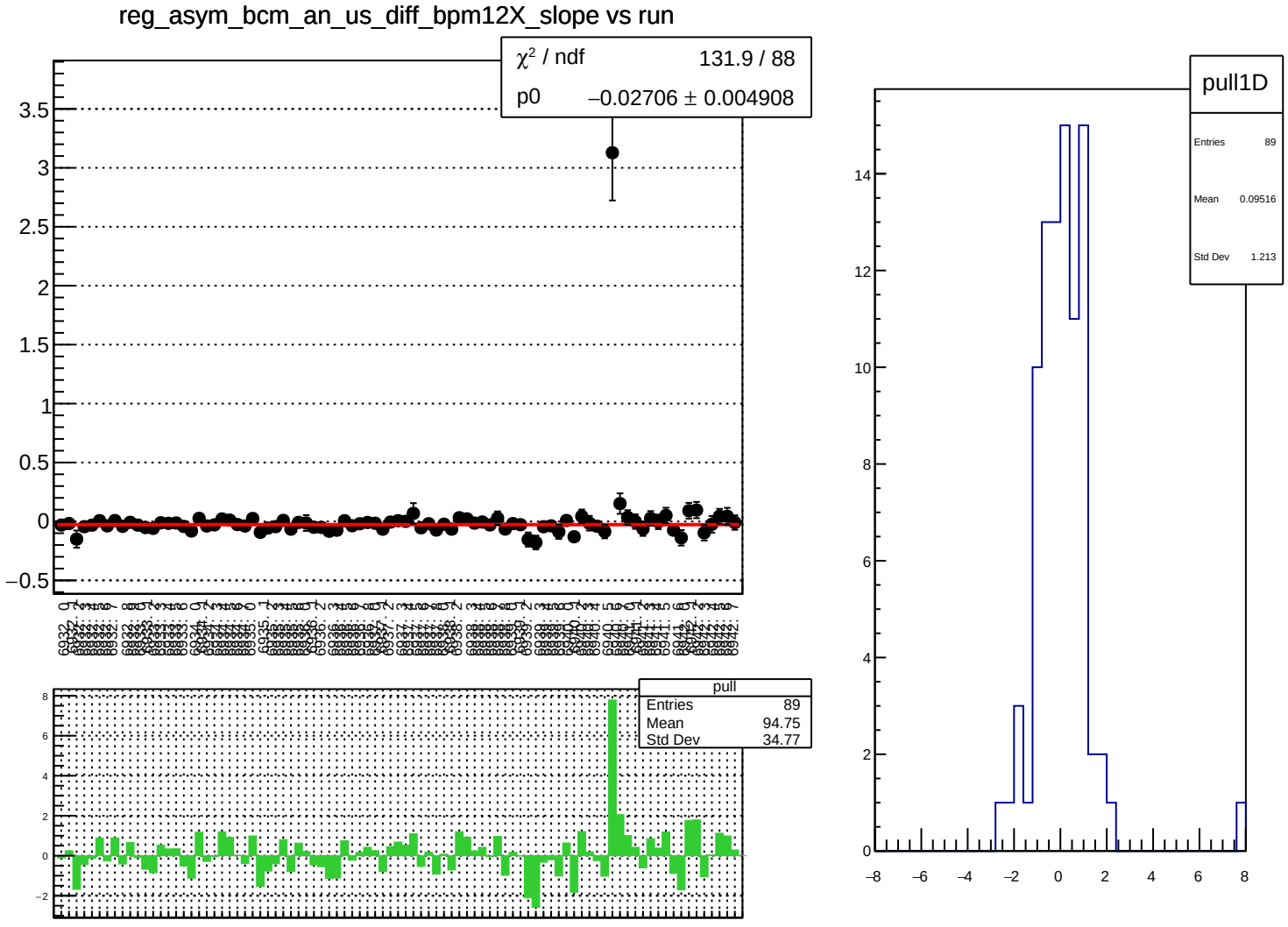

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2943 / 88
p0 −10.58 ± 0.1522
pull
Entries 89
Mean 111.3
Std Dev 58.39

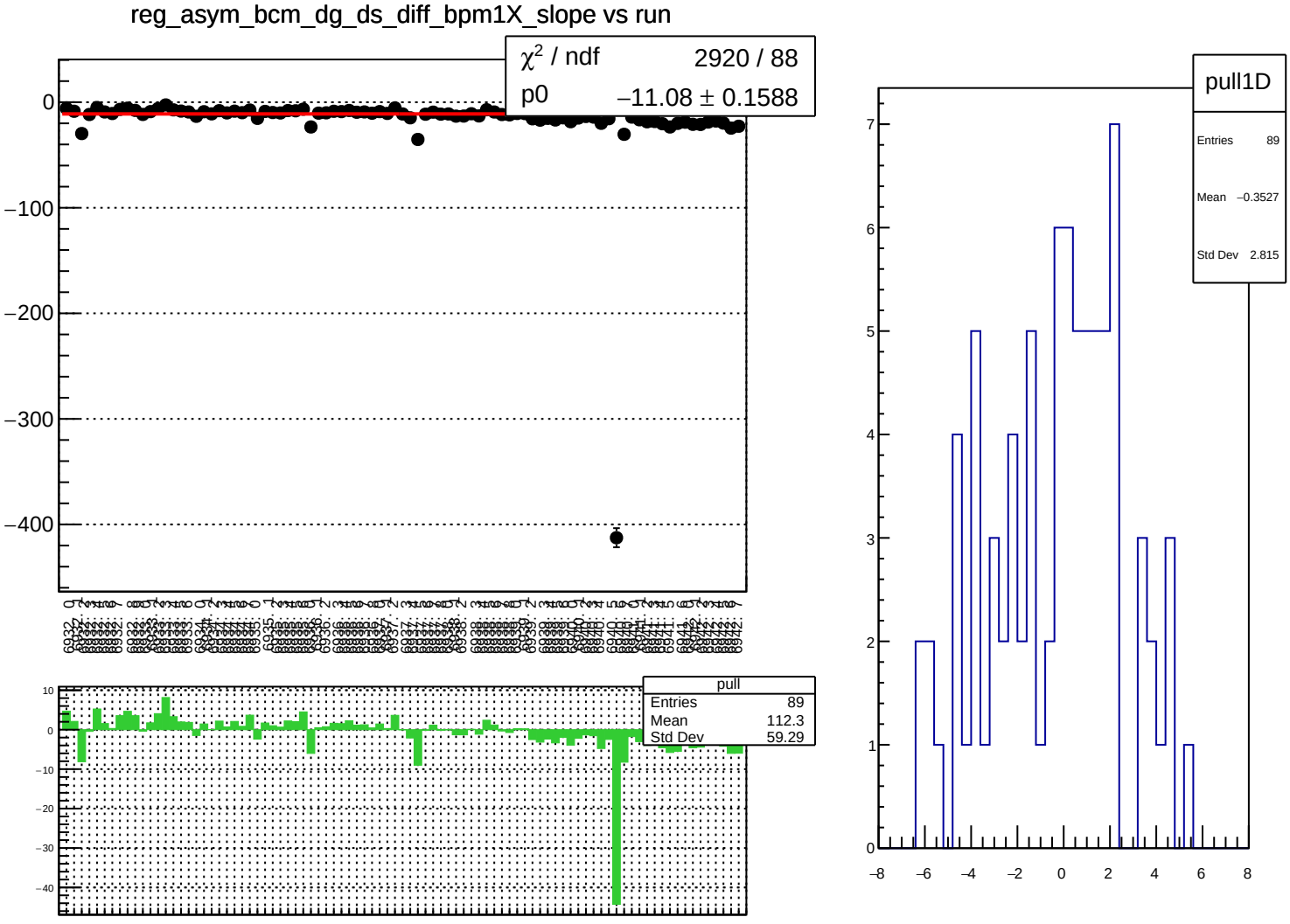

pull1D
Entries 89
Mean −0.2829
Std Dev 2.957

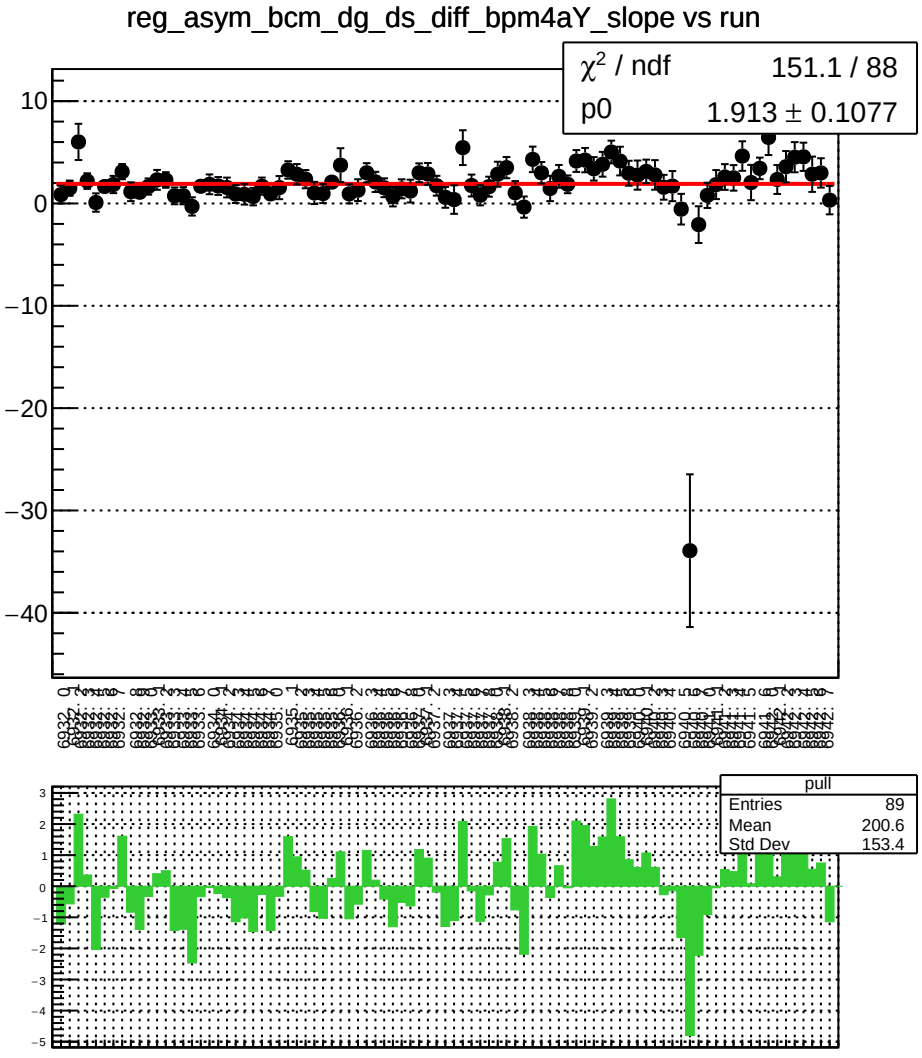

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 155.1 / 88
p0 1.631 ± 0.1032
pull
Entries 89
Mean 178.8
Std Dev 133.1
pull1D
Entries 89
Mean 0.09288
Std Dev 1.317

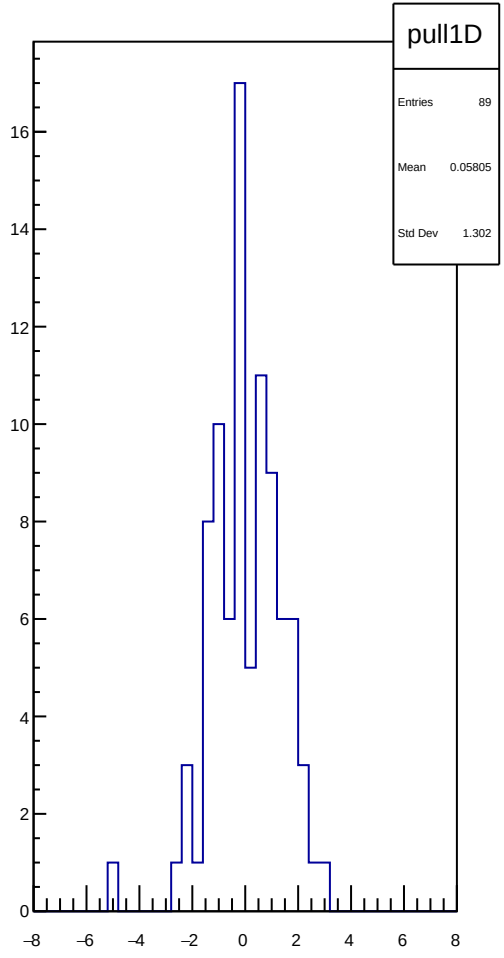

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2855 / 88
p0 9.474 ± 0.1414
pull
Entries 89
Mean 111
Std Dev 57.79
pull1D
Entries 89
Mean 0.2812
Std Dev 2.93

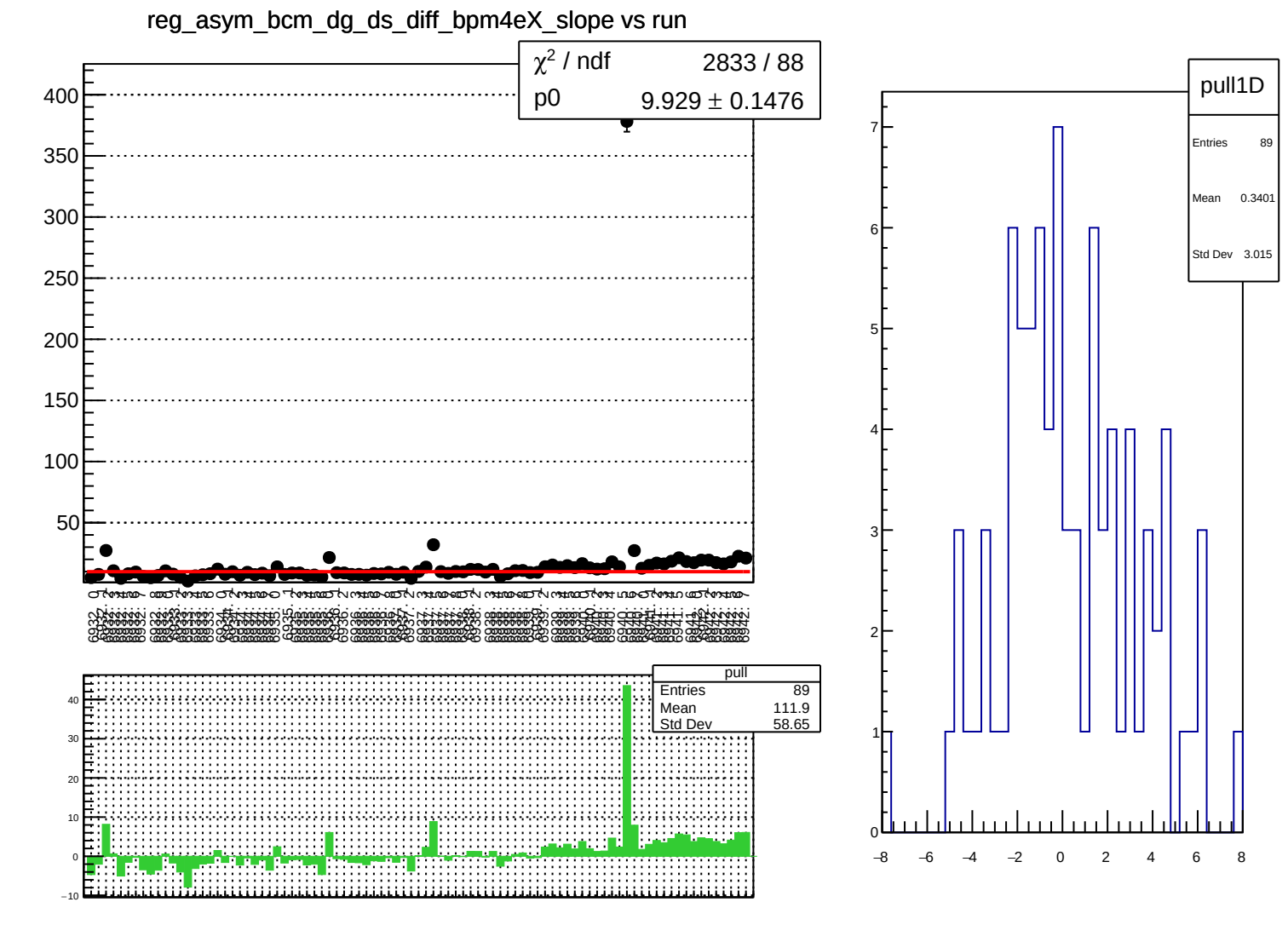

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 159 / 88
p0 −2.316 ± 0.1192
pull
Entries 89
Mean 147.6
Std Dev 100.1
pull1D
Entries 89
Mean −0.1256
Std Dev 1.331

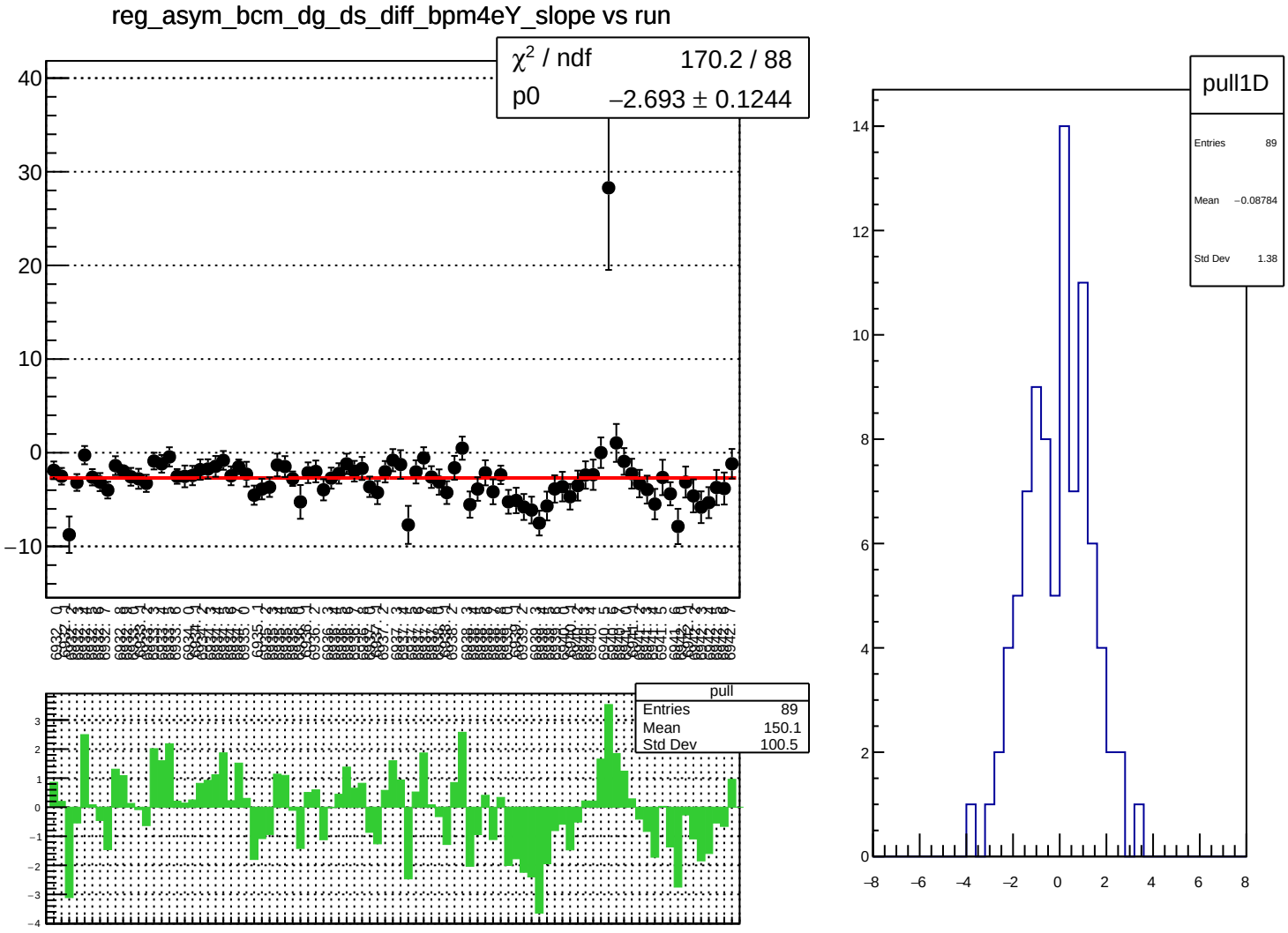

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 131.9 / 88
p0 −0.02706 ± 0.004908
pull
Entries 89
Mean 94.75
Std Dev 34.77
pull1D
Entries 89
Mean 0.09516
Std Dev 1.213

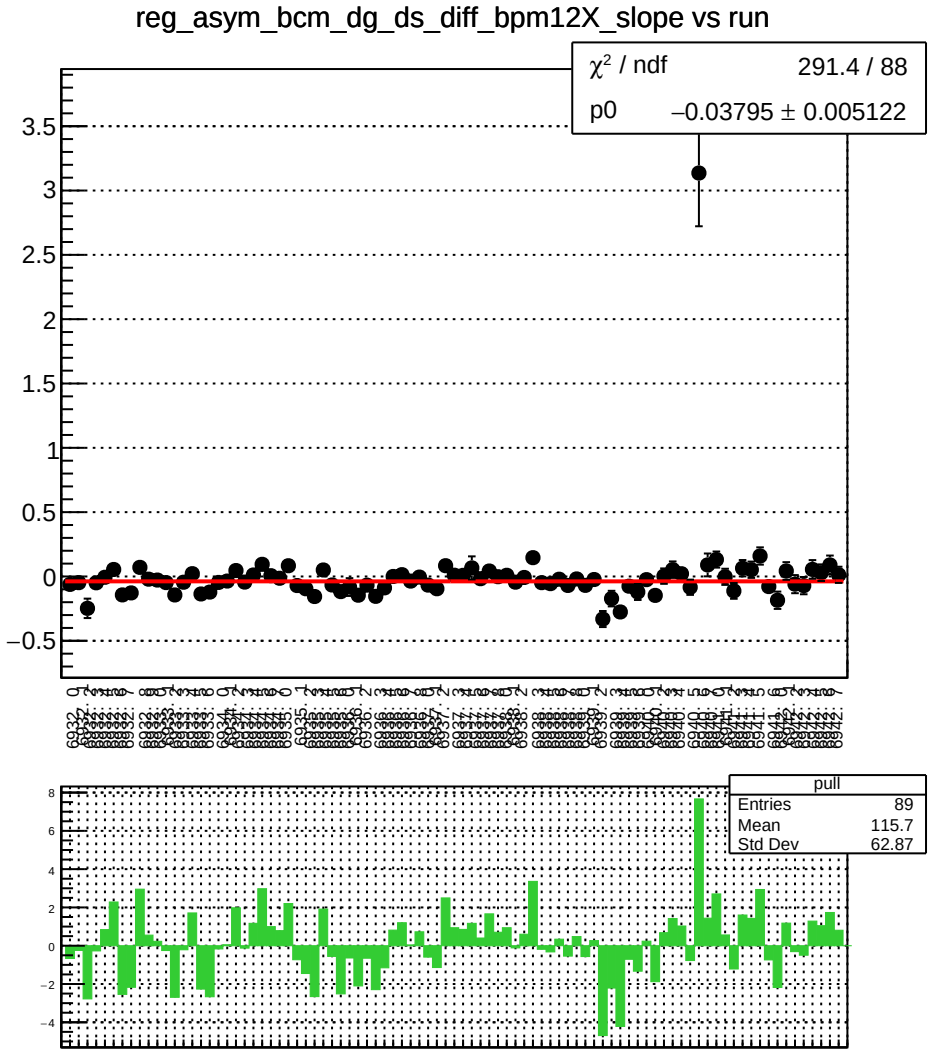

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2920 / 88
p0 −11.08 ± 0.1588
pull
Entries 89
Mean 112.3
Std Dev 59.29
pull1D
Entries 89
Mean −0.3527
Std Dev 2.815

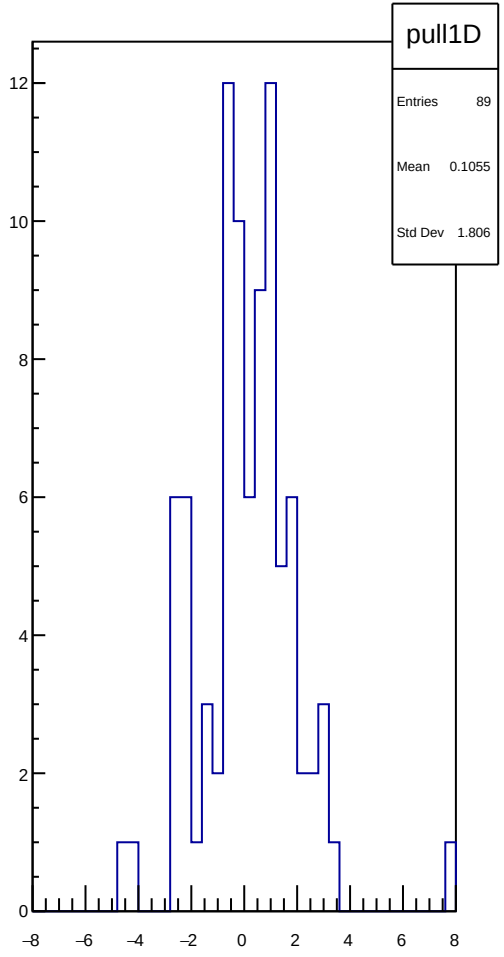

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 151.1 / 88
p0 1.913 ± 0.1077
pull
Entries 89
Mean 200.6
Std Dev 153.4

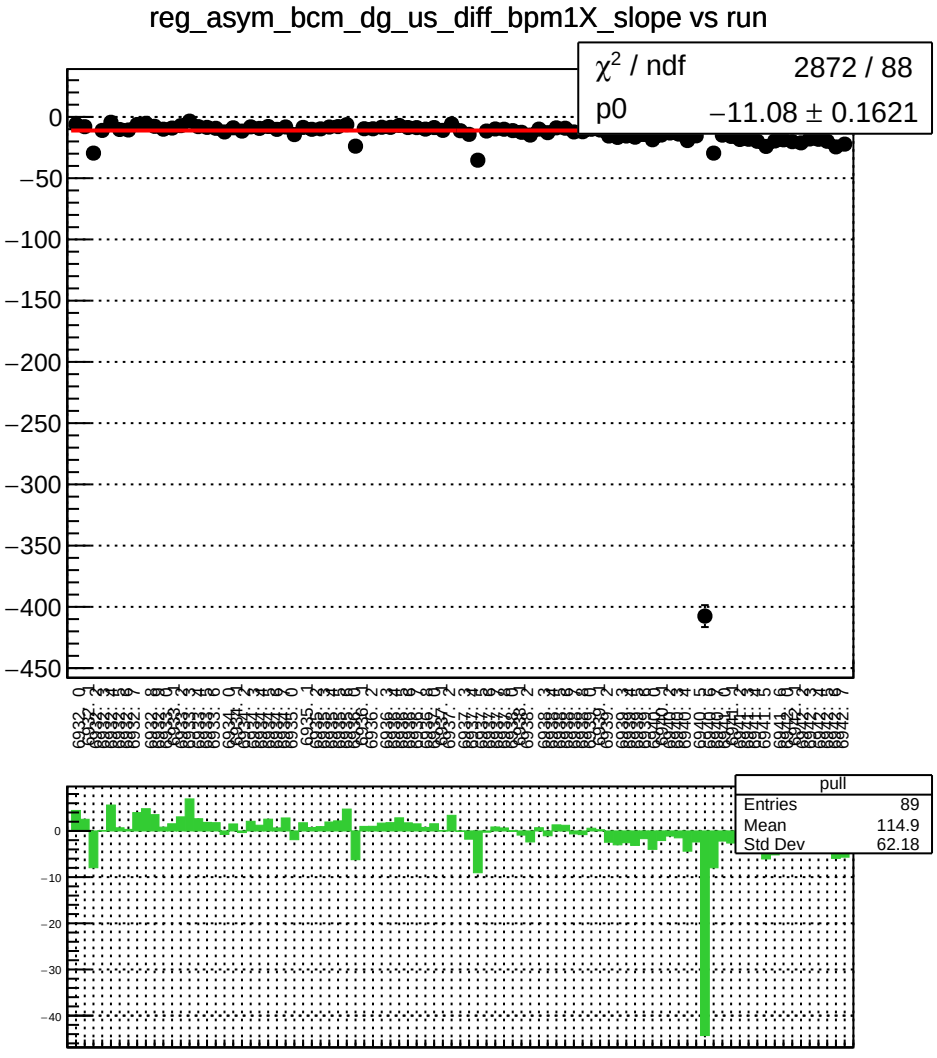

pull1D
Entries 89
Mean 0.05805
Std Dev 1.302

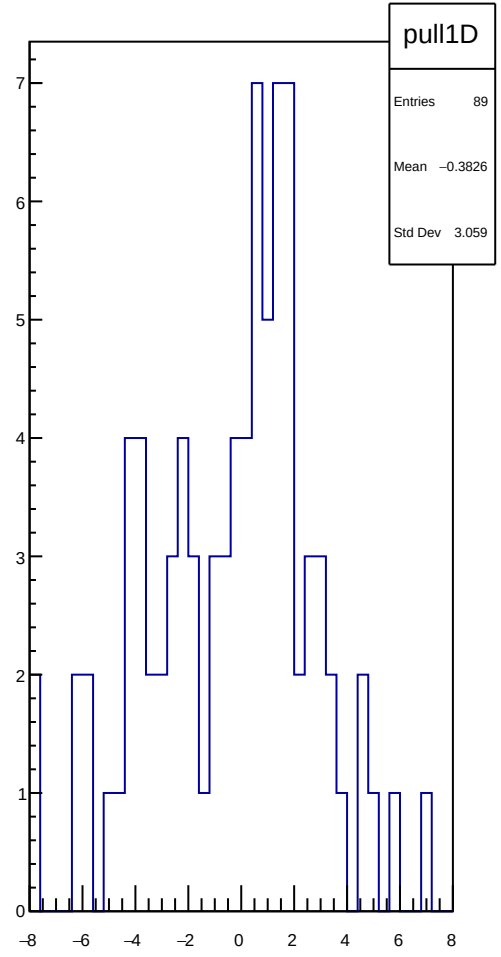

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2833 / 88
p0 9.929 ± 0.1476
pull
Entries 89
Mean 111.9
Std Dev 58.65
pull1D
Entries 89
Mean 0.3401
Std Dev 3.015

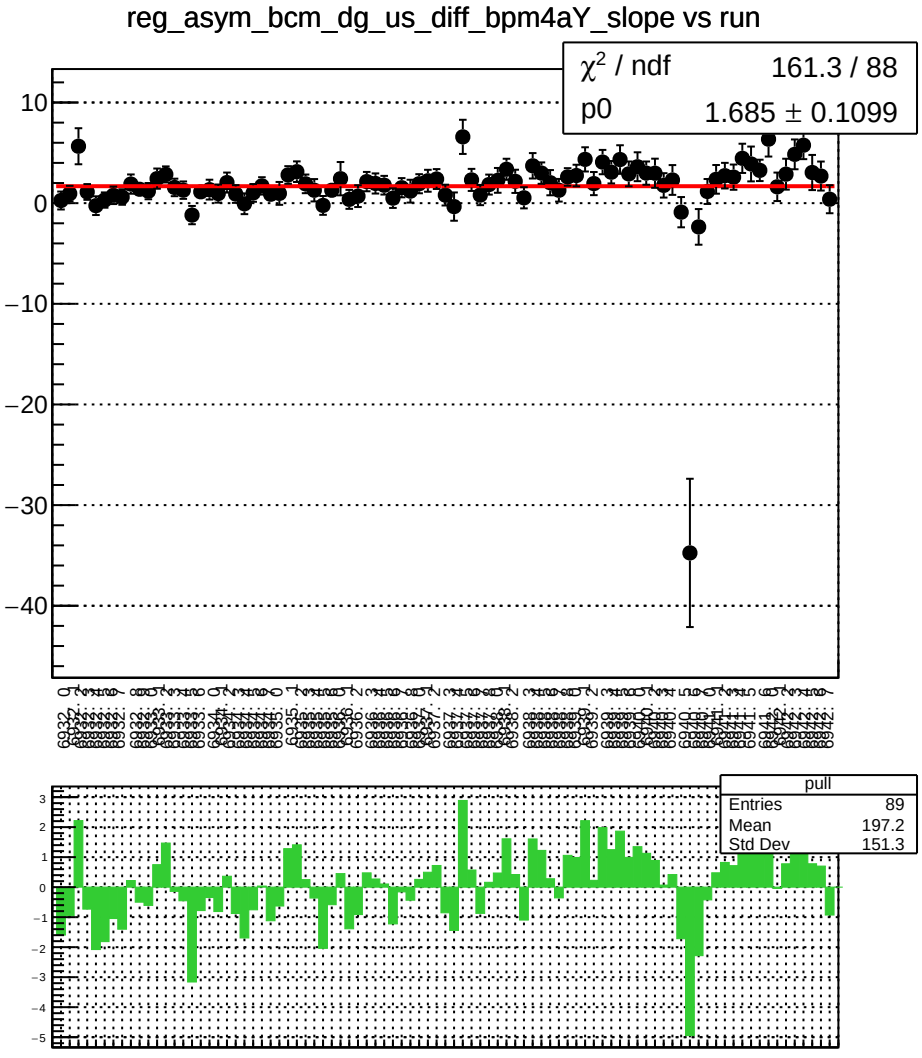

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 170.2 / 88
p0 −2.693 ± 0.1244
pull
Entries 89
Mean 150.1
Std Dev 100.5
pull1D
Entries 89
Mean −0.08784
Std Dev 1.38

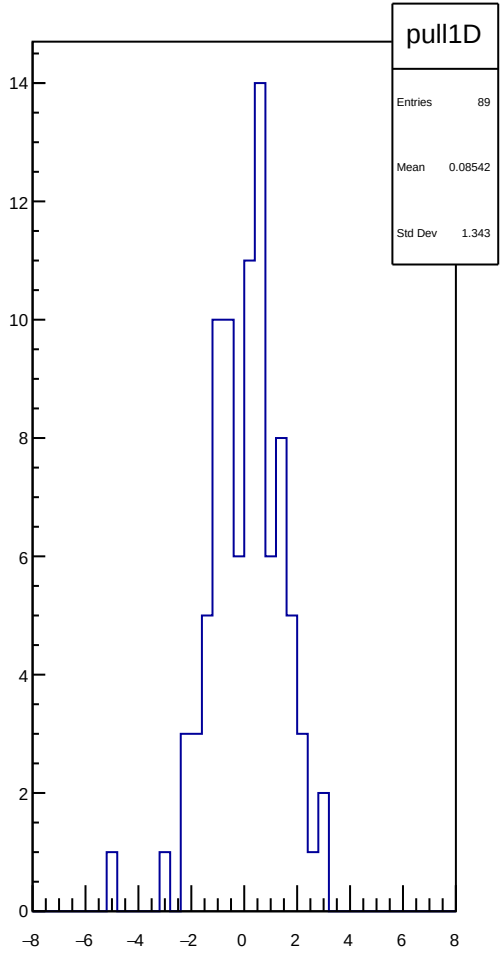

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 291.4 / 88
p0 −0.03795 ± 0.005122
pull
Entries 89
Mean 115.7
Std Dev 62.87

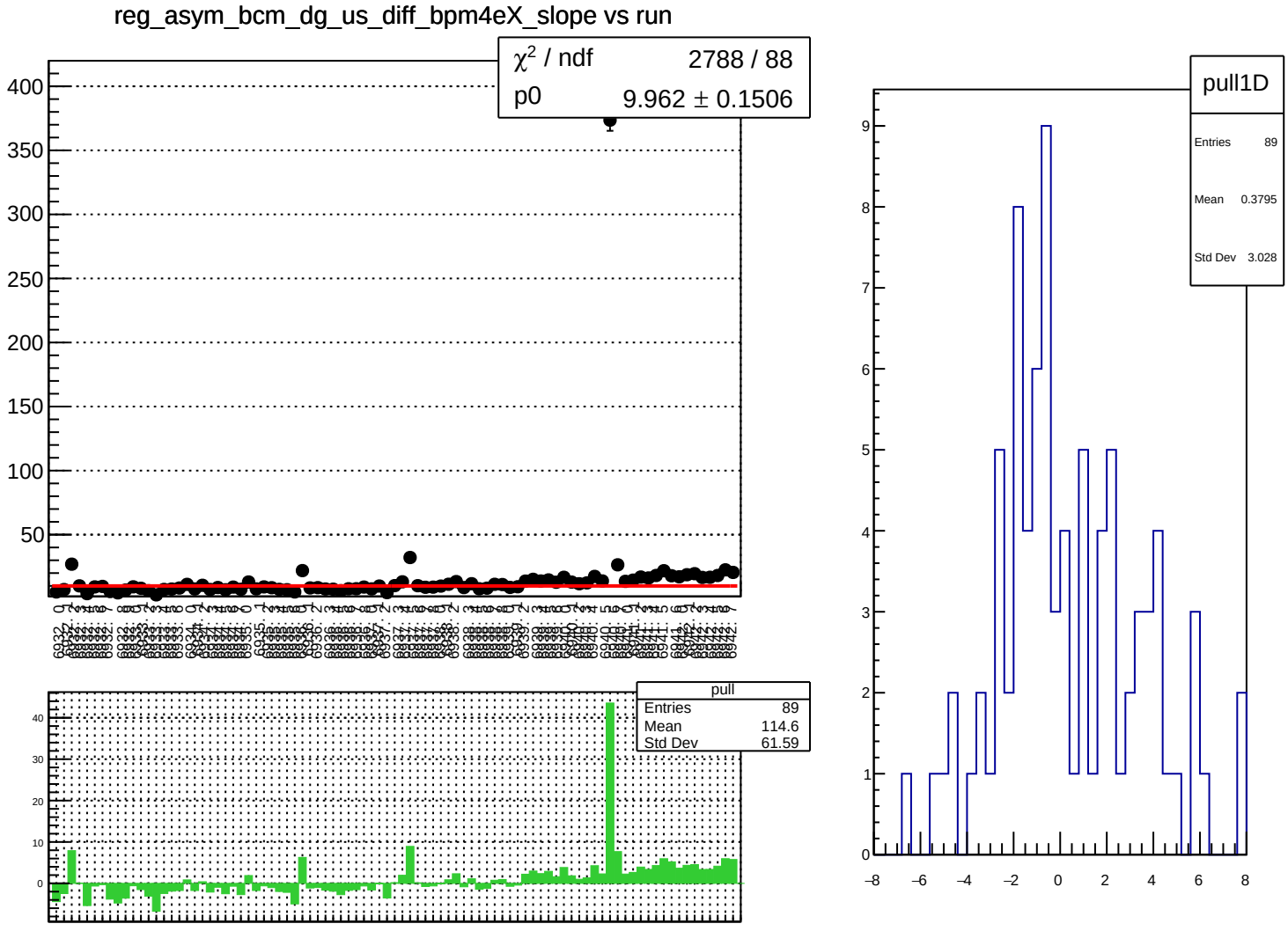

pull1D
Entries 89
Mean 0.1055
Std Dev 1.806

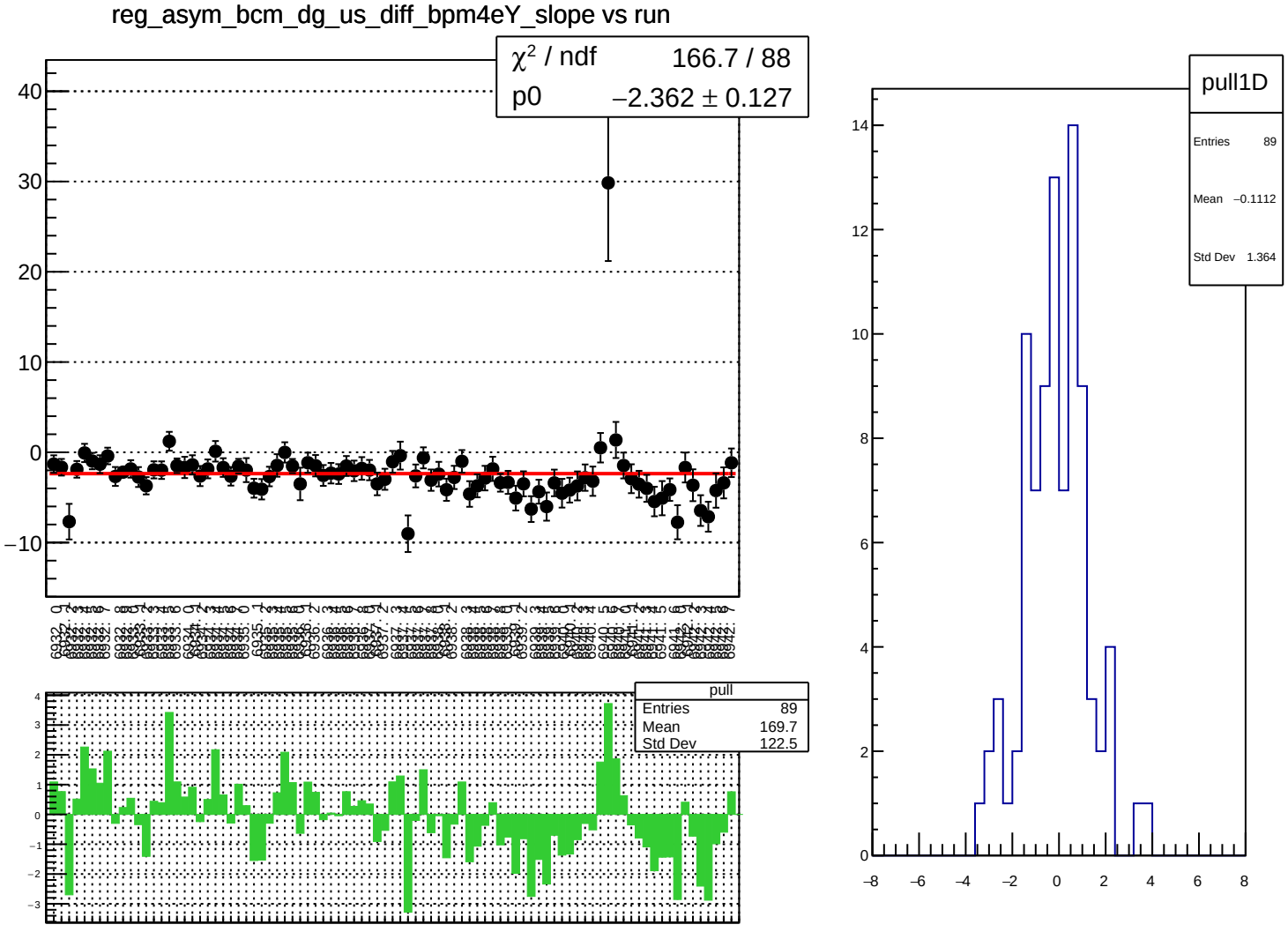

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 2872 / 88
p0 −11.08 ± 0.1621
pull
Entries 89
Mean 114.9
Std Dev 62.18

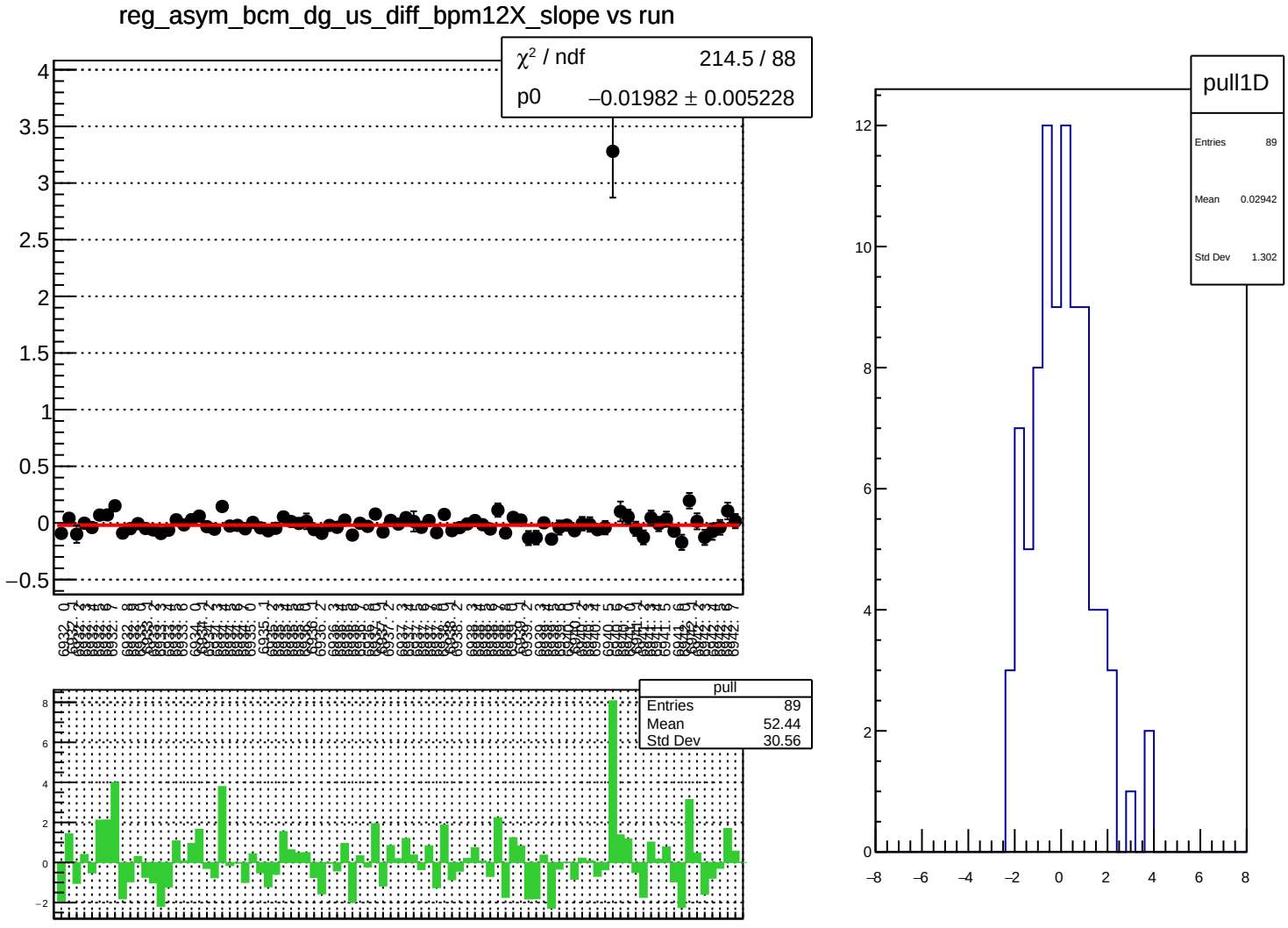

pull1D
Entries 89
Mean −0.3826
Std Dev 3.059


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 161.3 / 88
p0 1.685 ± 0.1099
pull
Entries 89
Mean 197.2
Std Dev 151.3


pull1D
Entries 89
Mean 0.08542
Std Dev 1.343


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 2788 / 88
p0 9.962 ± 0.1506
pull
Entries 89
Mean 114.6
Std Dev 61.59
pull1D
Entries 89
Mean 0.3795
Std Dev 3.028


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 166.7 / 88
p0 −2.362 ± 0.127
pull
Entries 89
Mean 169.7
Std Dev 122.5
pull1D
Entries 89
Mean −0.1112
Std Dev 1.364


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 214.5 / 88
p0 −0.01982 ± 0.005228
pull
Entries 89
Mean 52.44
Std Dev 30.56
pull1D
Entries 89
Mean 0.02942
Std Dev 1.302