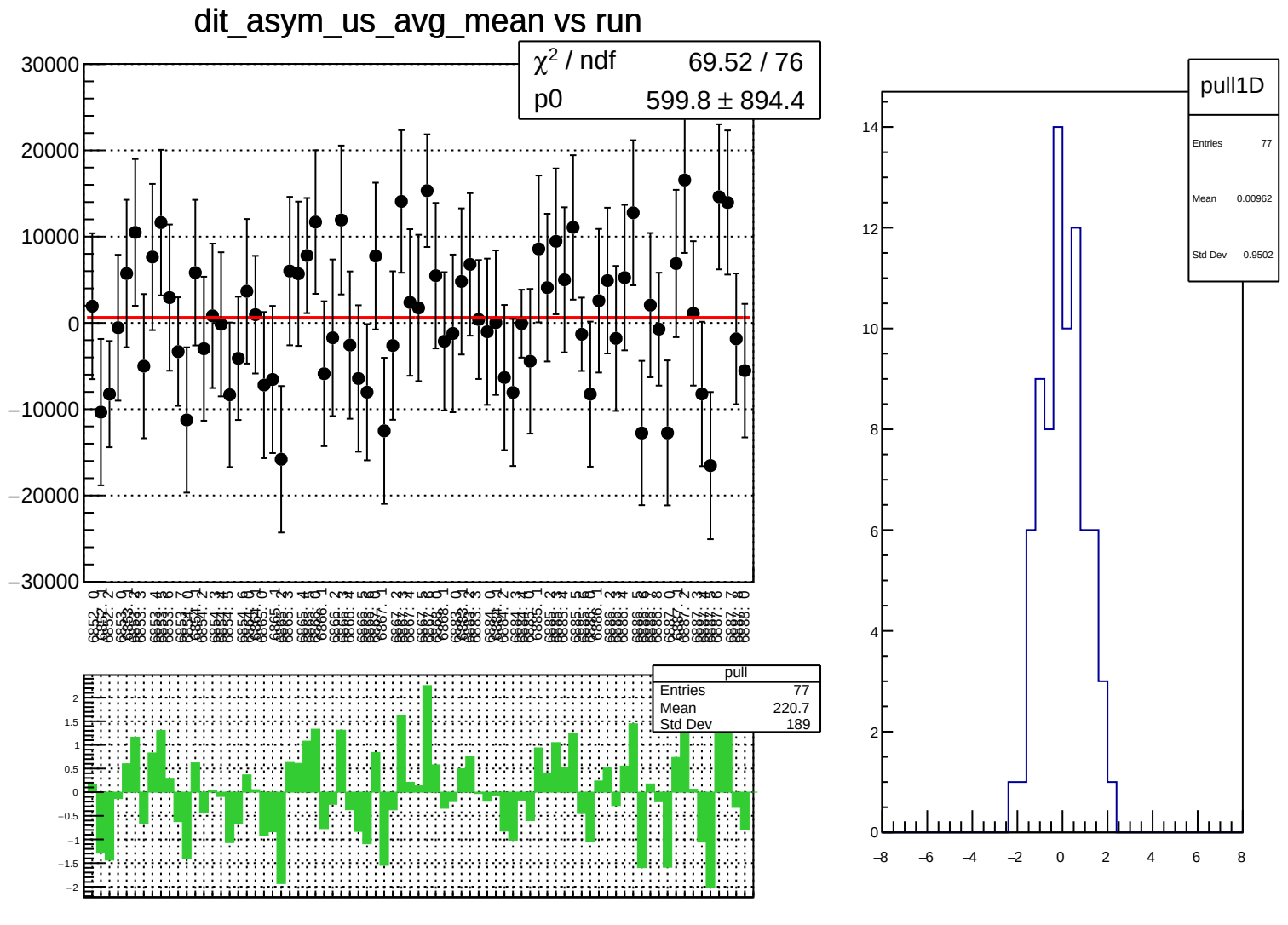
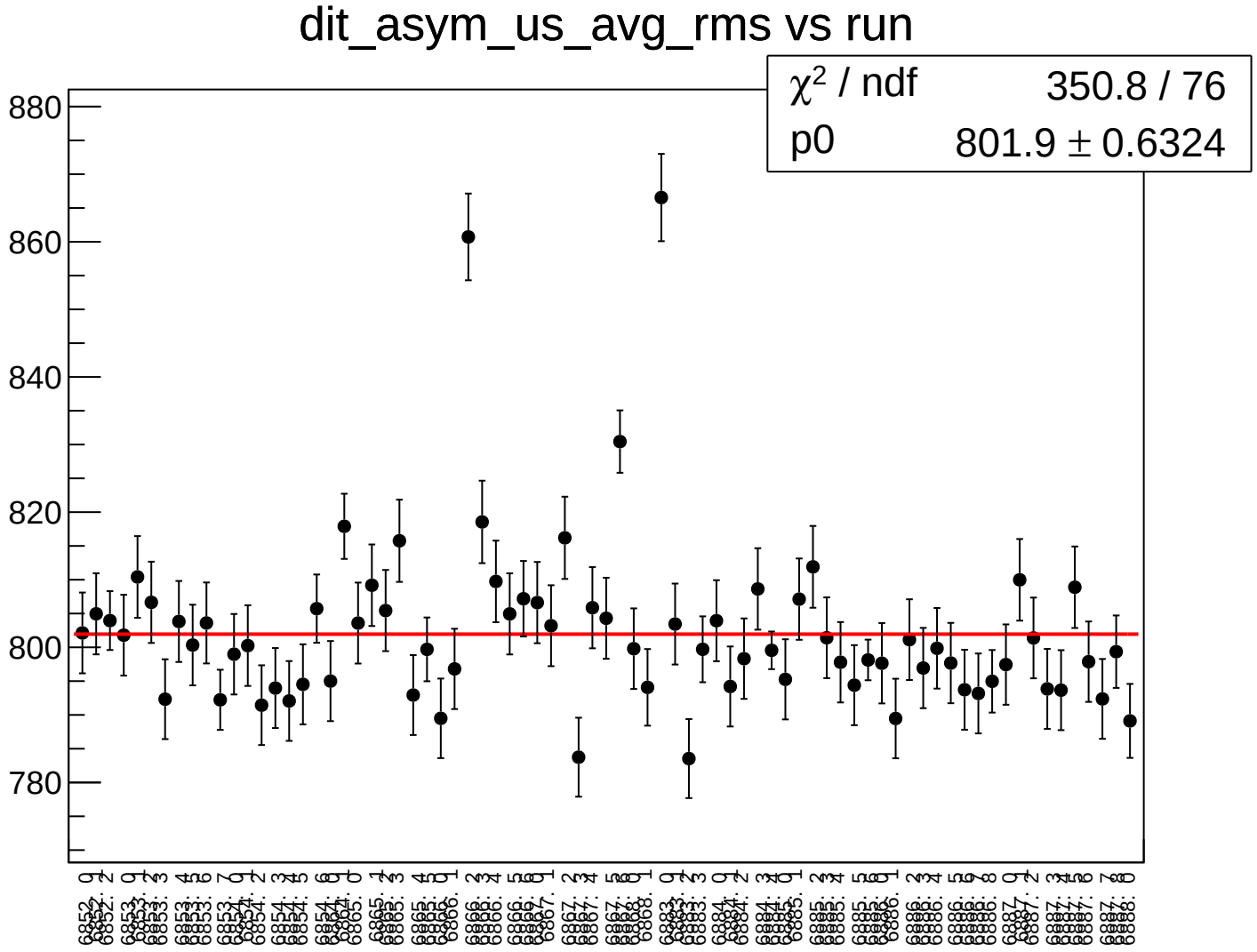
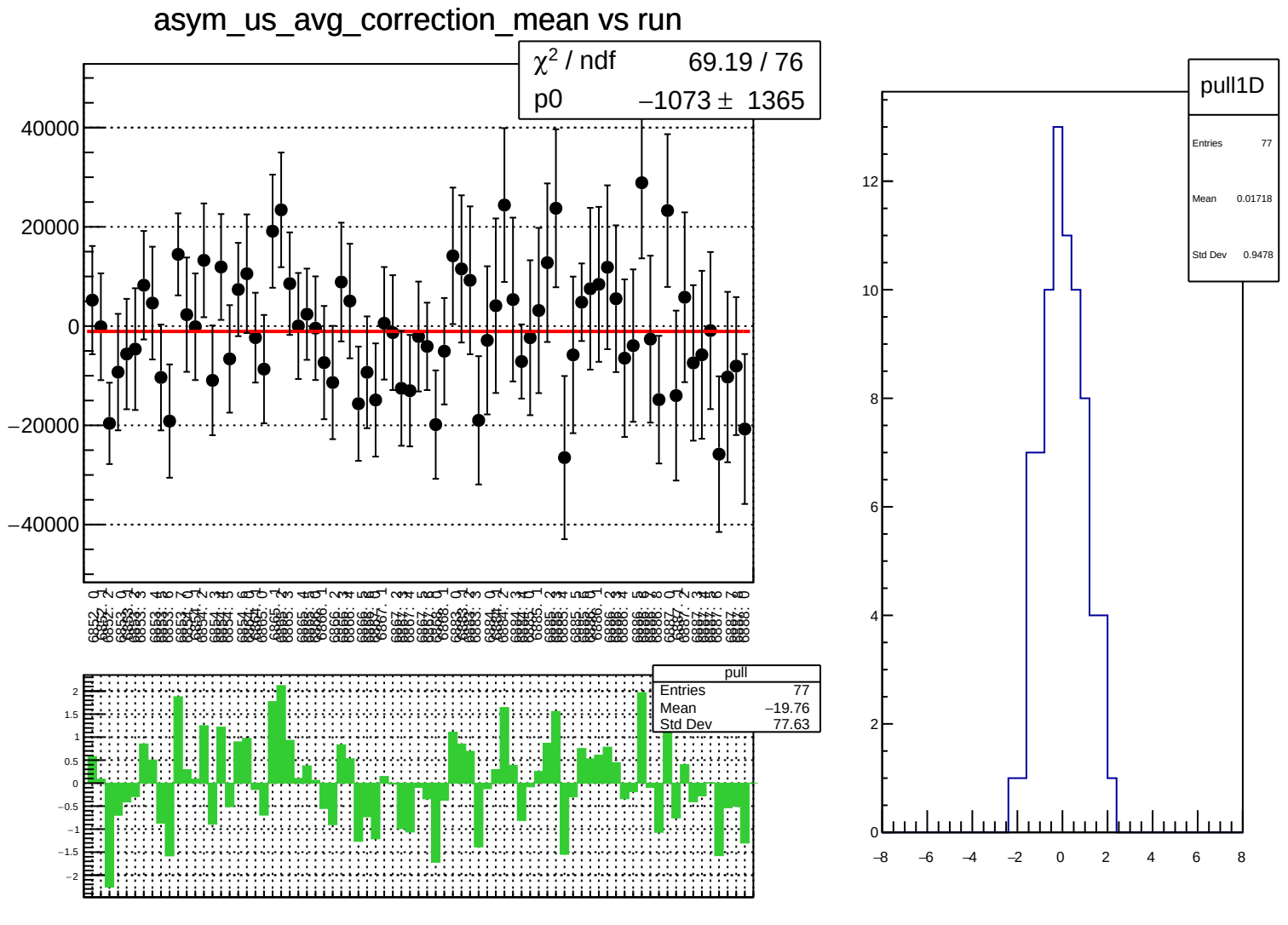
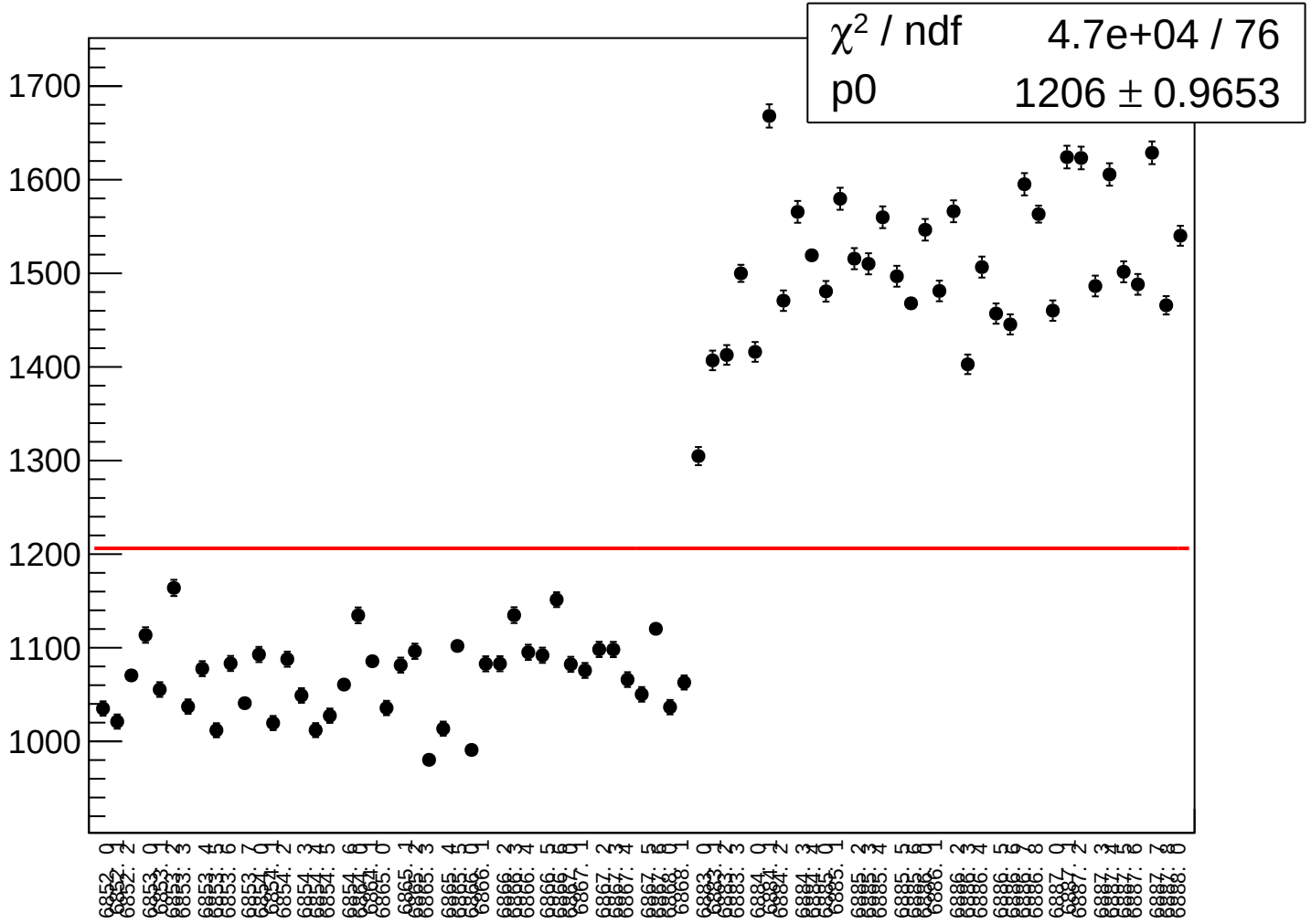
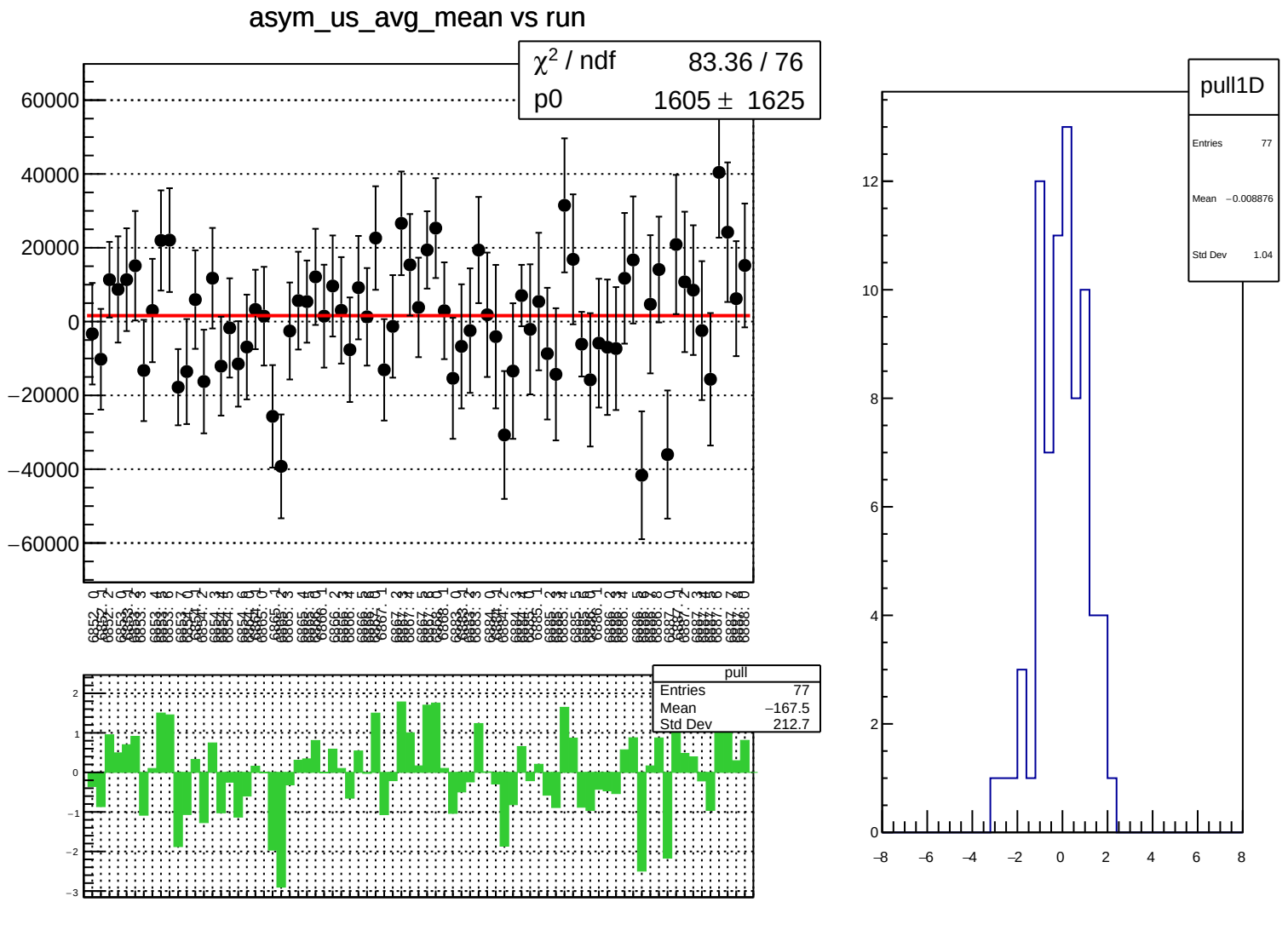

dit_asym_us_avg_mean vs run
χ² / ndf 69.52 / 76
p0 599.8 ± 894.4
pull
Entries 77
Mean 220.7
Std Dev 189
pull1D
Entries 77
Mean 0.00962
Std Dev 0.9502

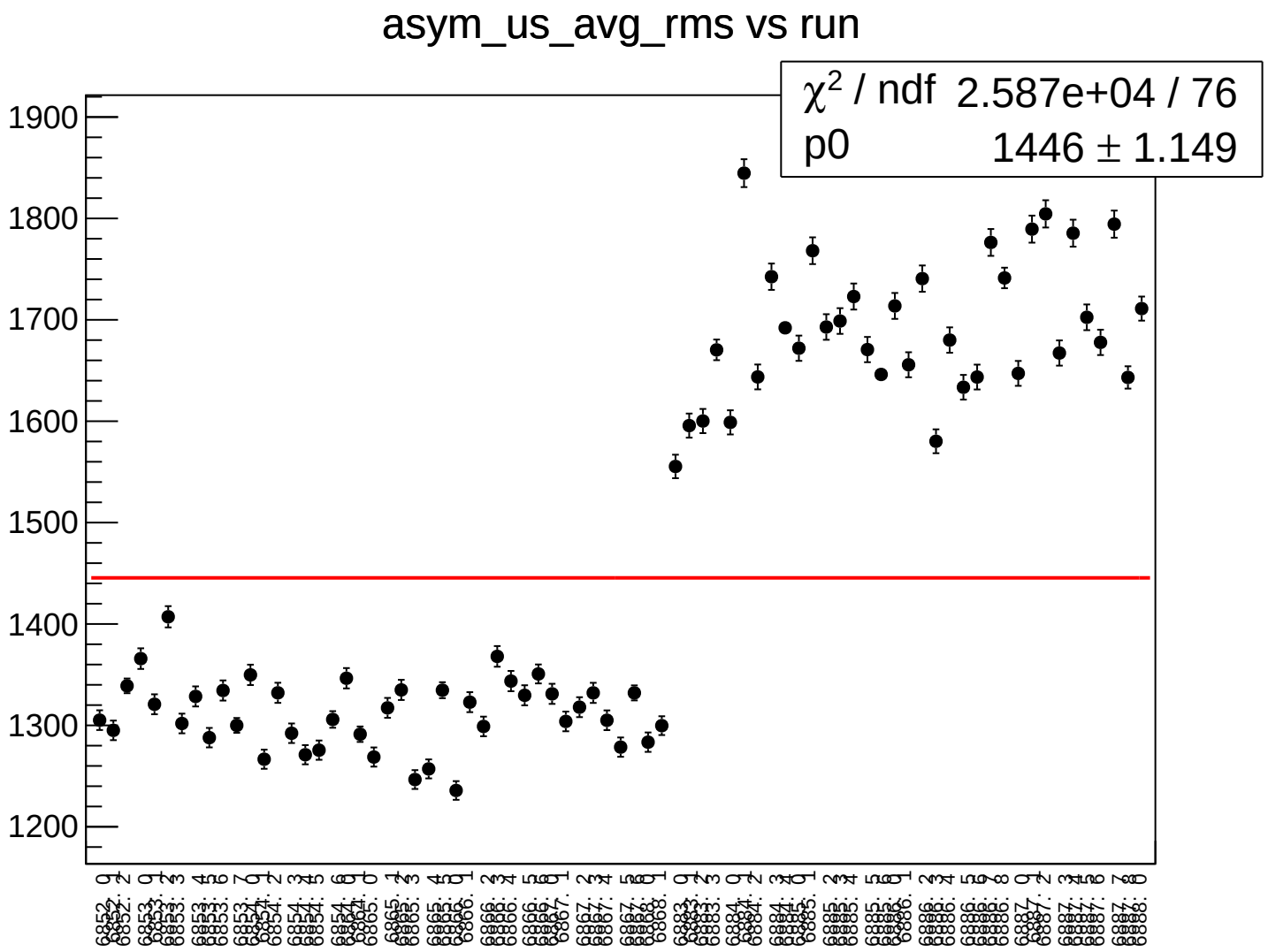

dit_asym_us_avg_rms vs run
χ^2 / ndf 350.8 / 76
p0 801.9 ± 0.6324
880
860
840
820
800
780

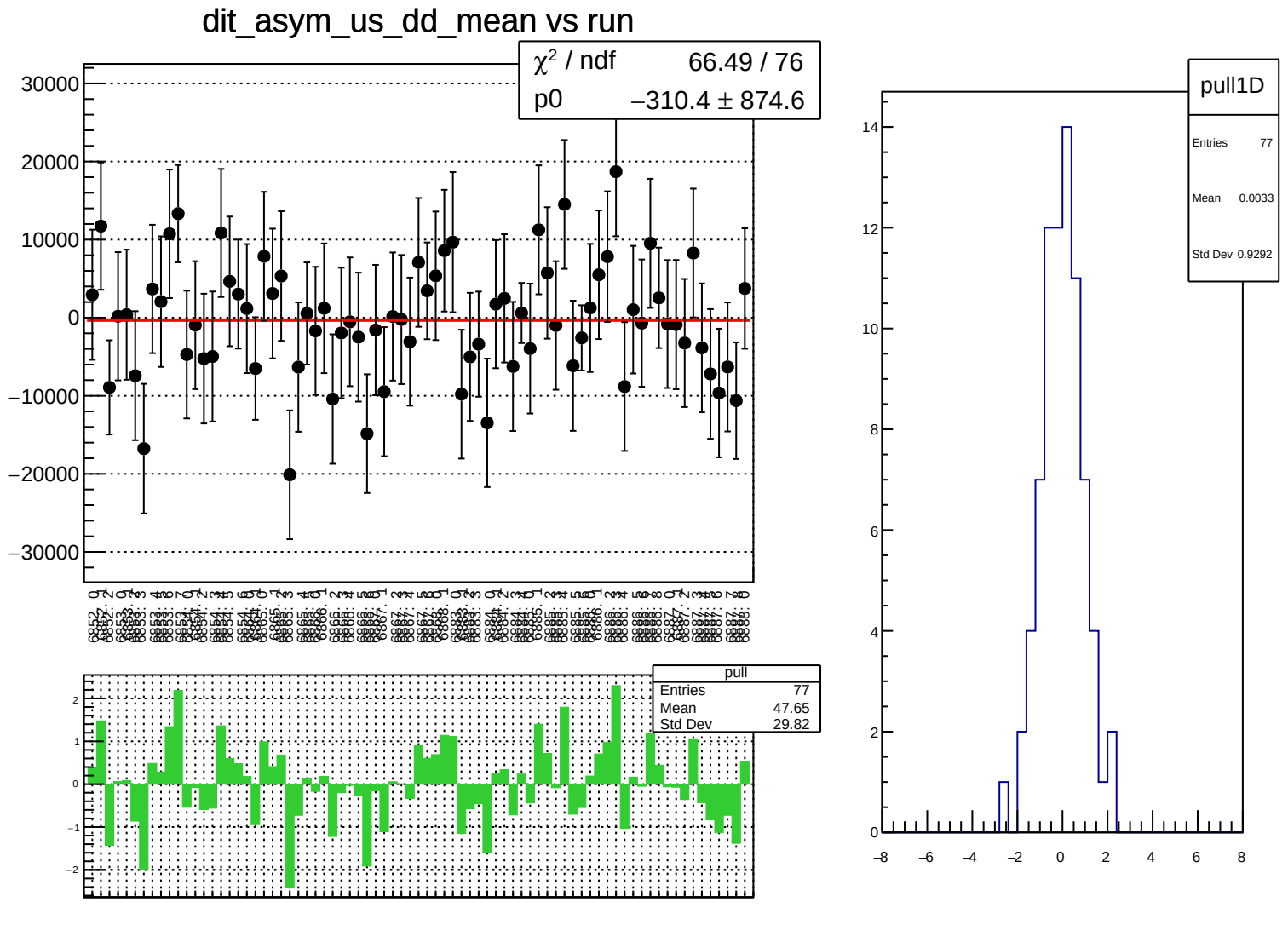

asym_us_avg_correction_mean vs run
χ^2 / ndf 69.19 / 76
p0 −1073 ± 1365
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −19.76
Std Dev 77.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean 0.01718
Std Dev 0.9478
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

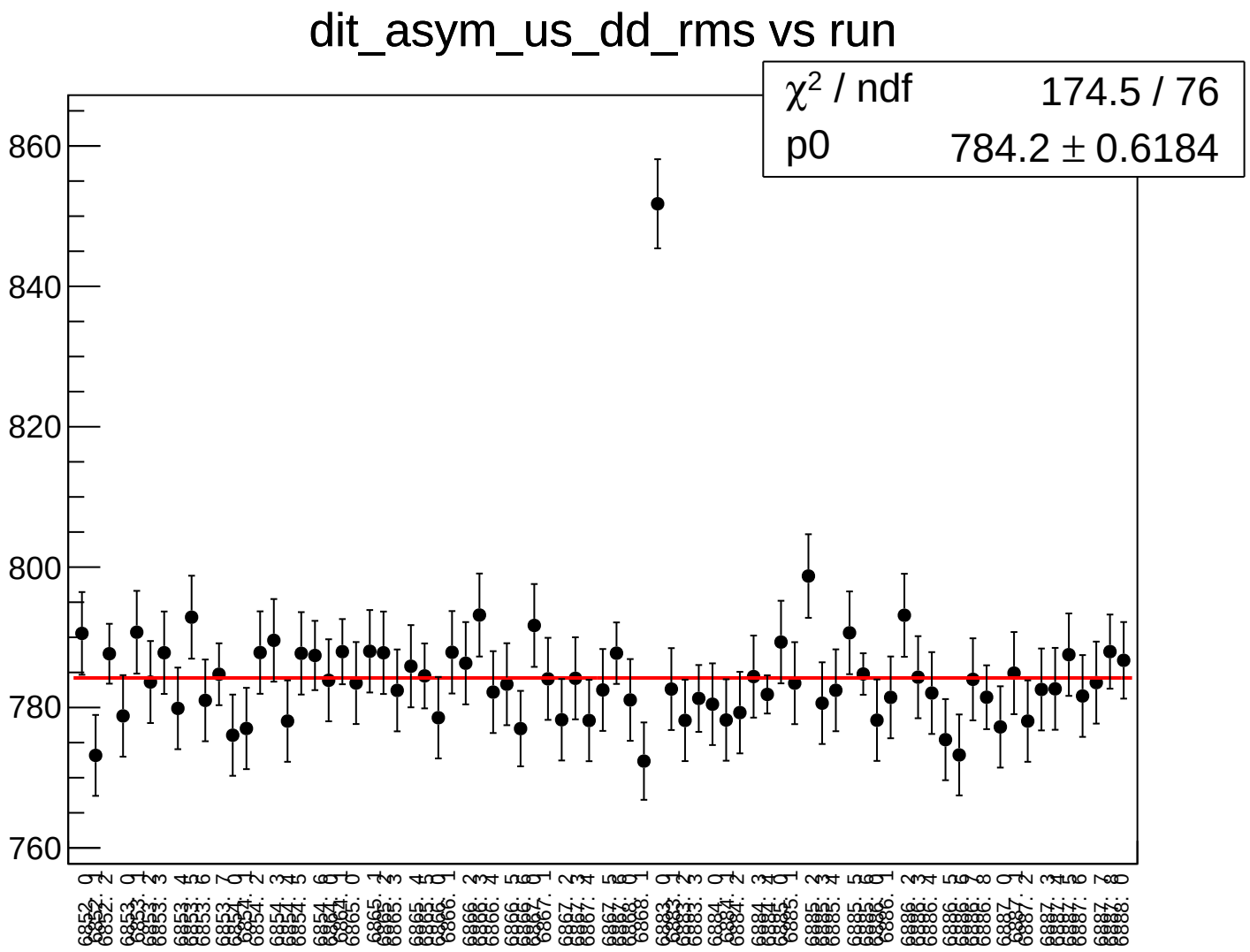
asym_us_avg_correction_rms vs run

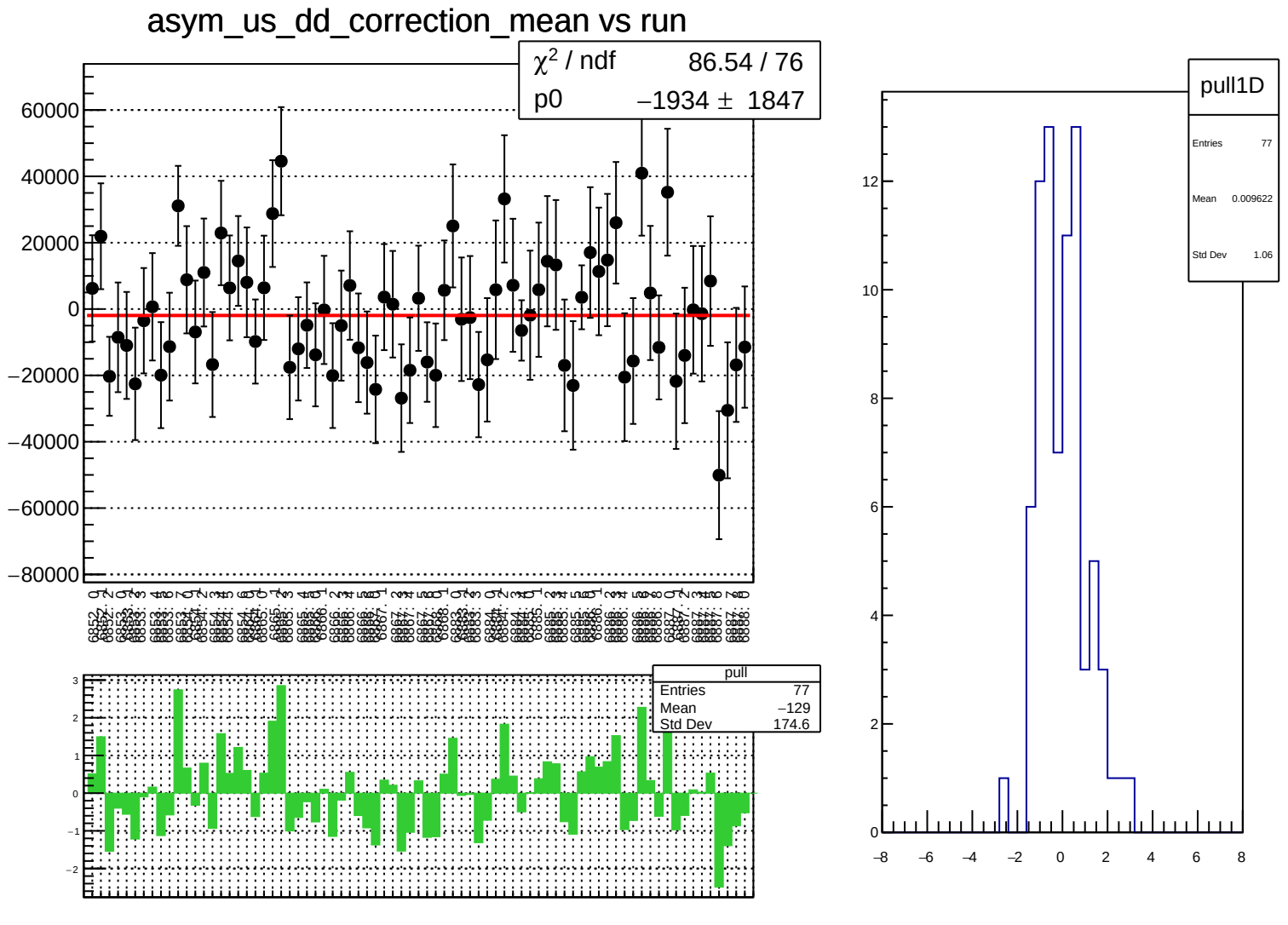



asym_us_avg_mean vs run
χ² / ndf 83.36 / 76
p0 1605 ± 1625
pull
Entries 77
Mean −167.5
Std Dev 212.7
pull1D
Entries 77
Mean −0.008876
Std Dev 1.04

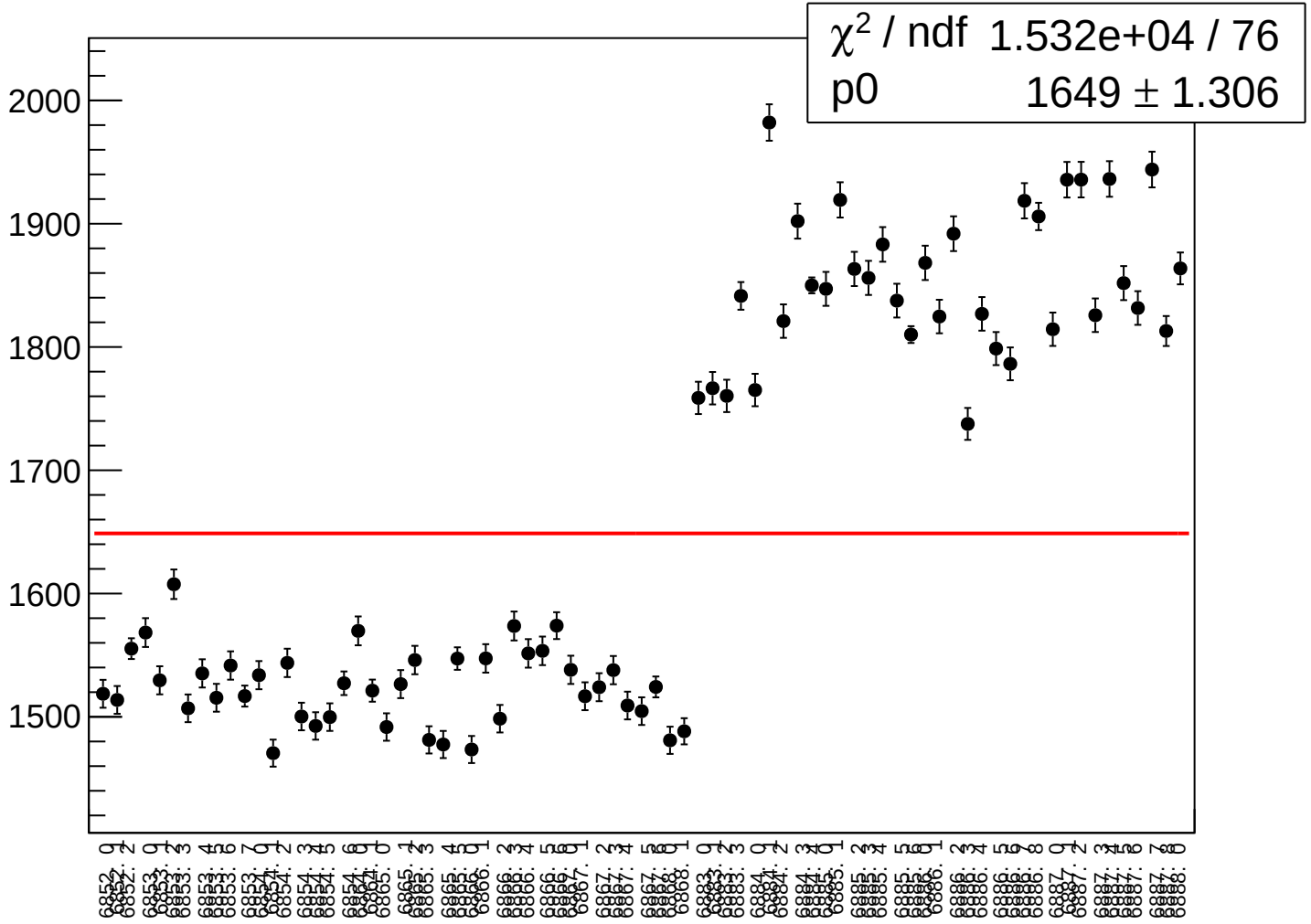

asym_us_avg_rms vs run
χ² / ndf 2.587e+04 / 76
p0 1446 ± 1.149
1900
1800
1700
1600
1500
1400
1300
1200

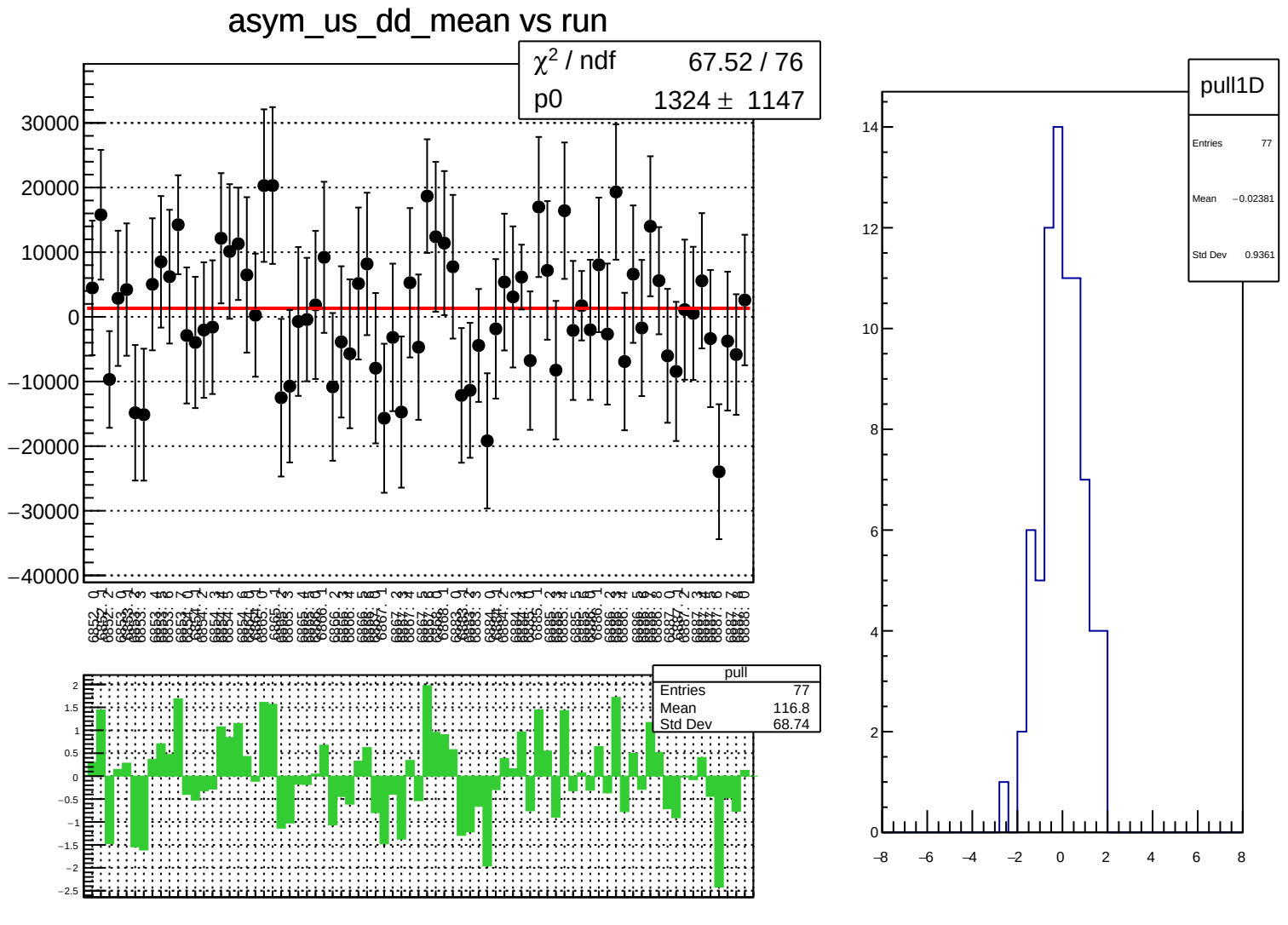

dit_asym_us_dd_mean vs run
χ² / ndf 66.49 / 76
p0 −310.4 ± 874.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 77
Mean 47.65
Std Dev 29.82
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.0033
Std Dev 0.9292
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

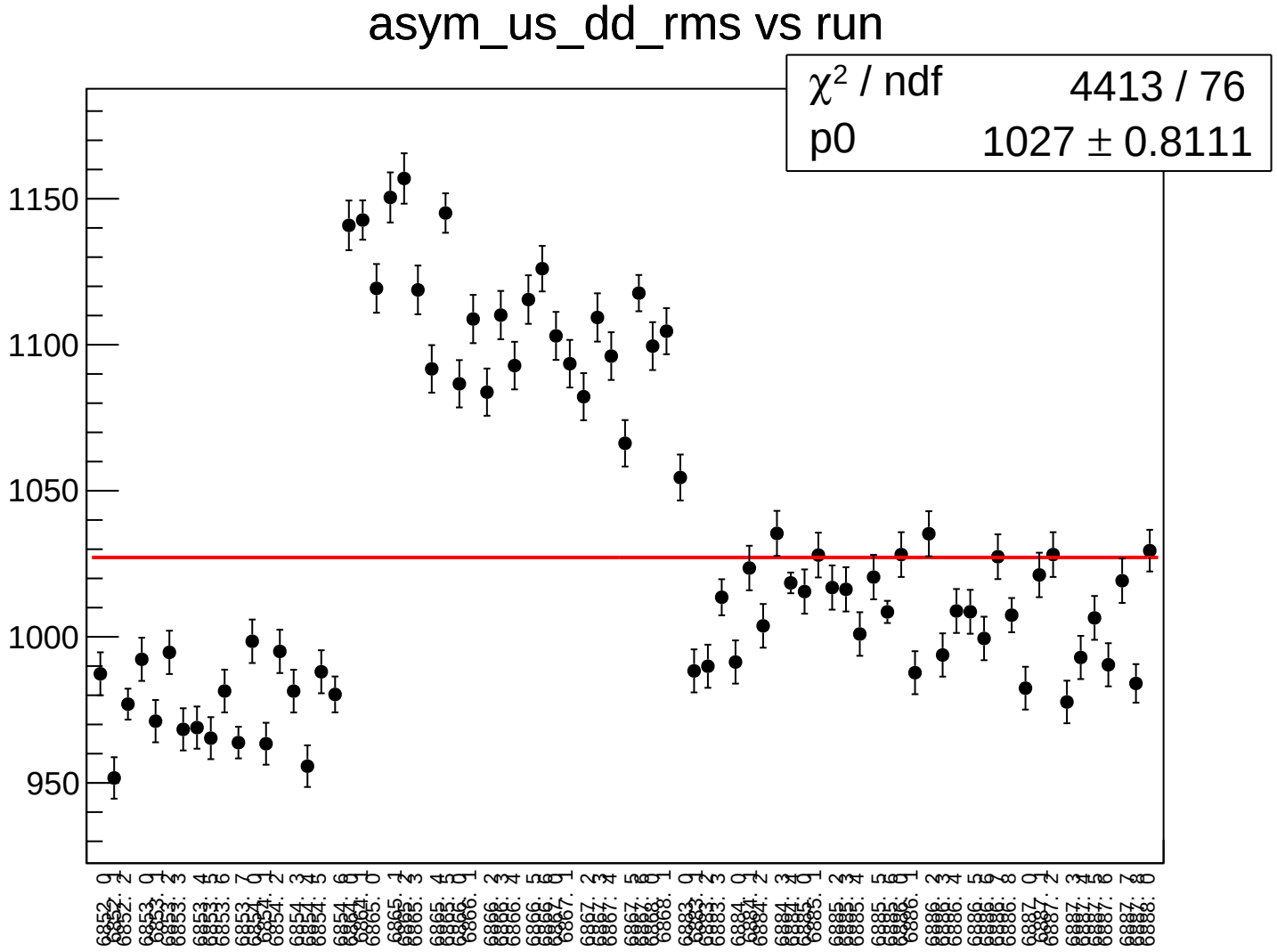

dit_asym_us_dd_rms vs run
χ^2 / ndf 174.5 / 76
p0 784.2 ± 0.6184
860
840
820
800
780
760

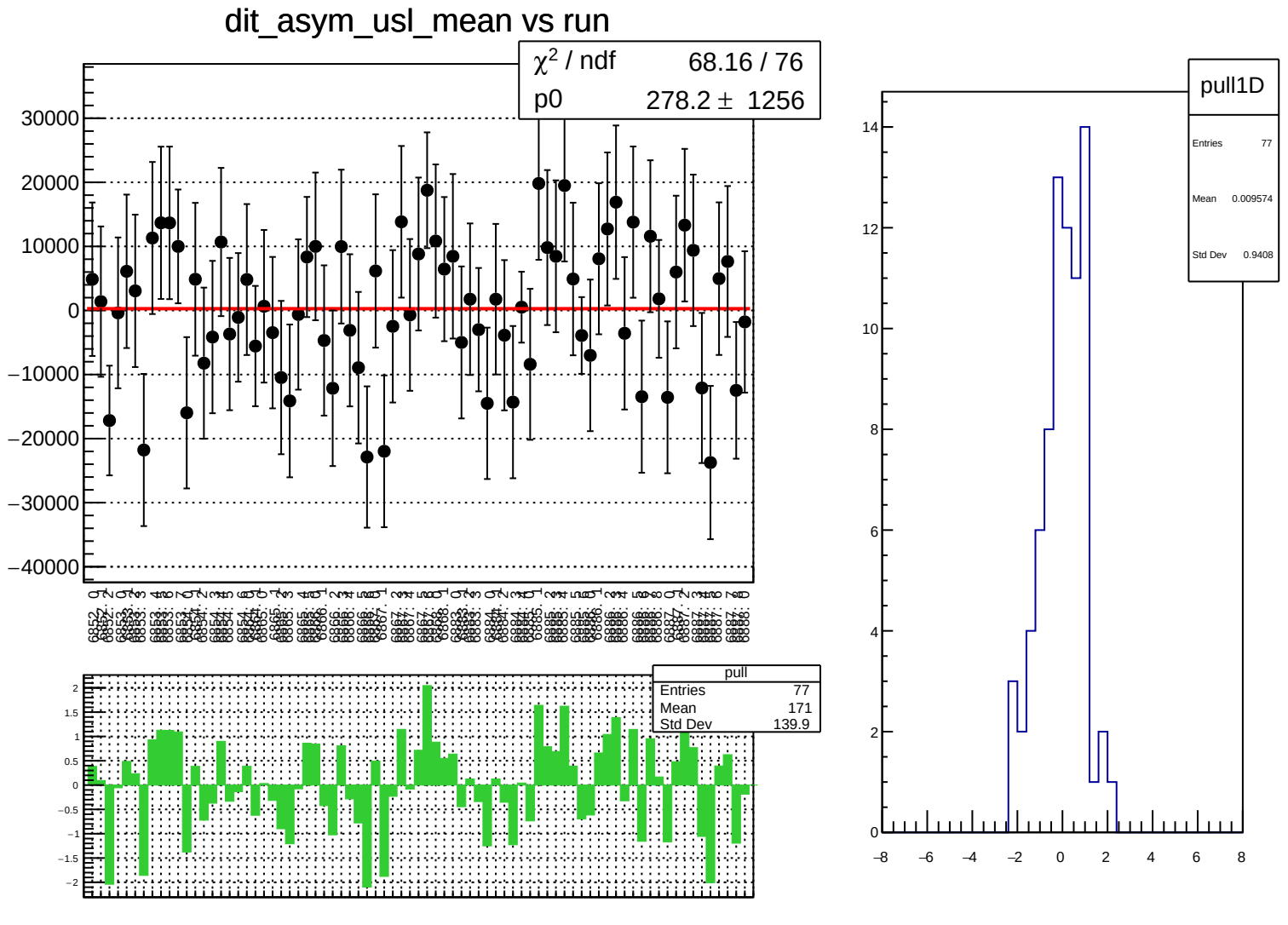

asym_us_dd_correction_mean vs run
χ² / ndf 86.54 / 76
p0 −1934 ± 1847
pull
Entries 77
Mean −129
Std Dev 174.6
pull1D
Entries 77
Mean 0.009622
Std Dev 1.06

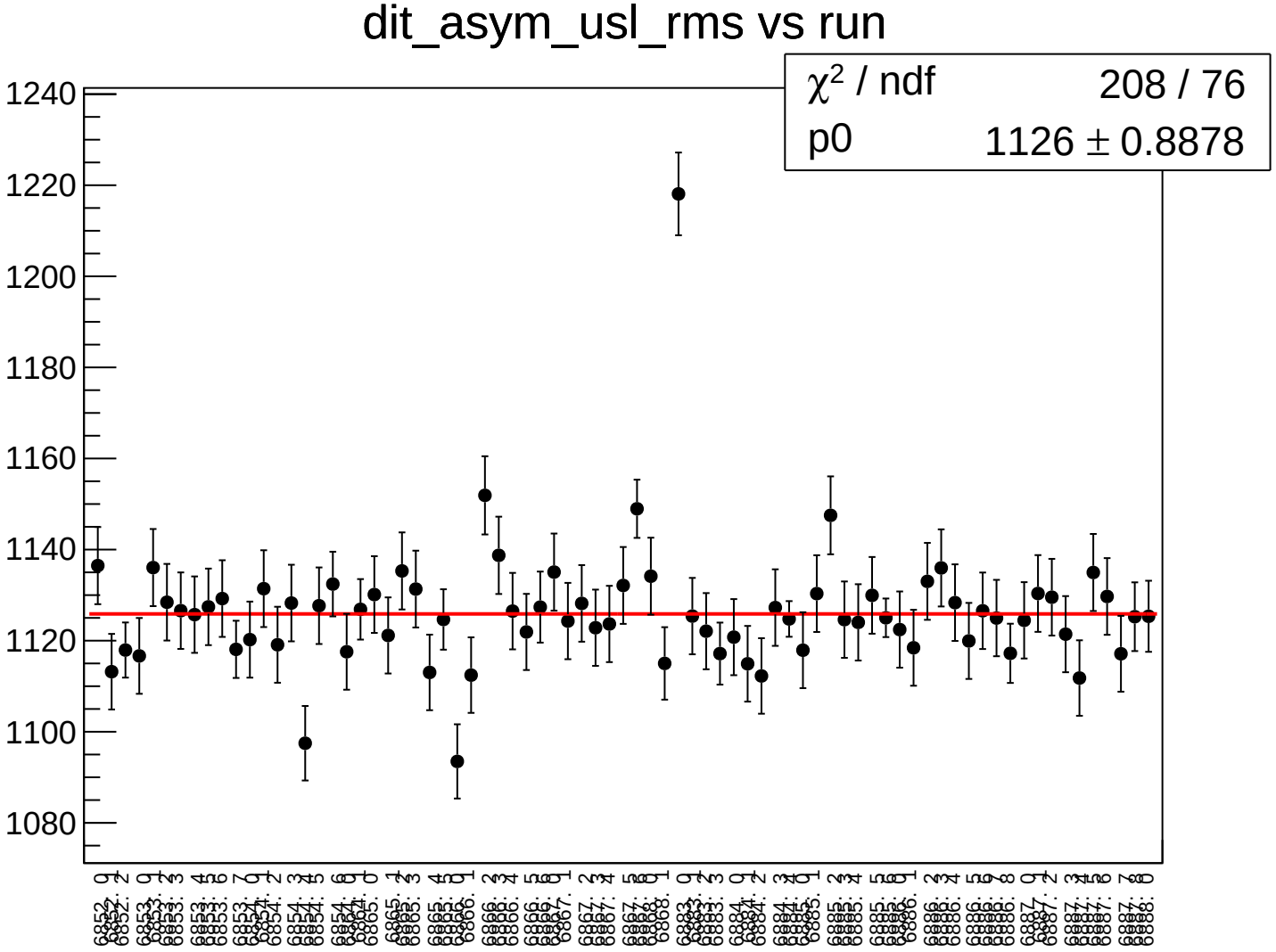
asym_us_dd_correction_rms vs run

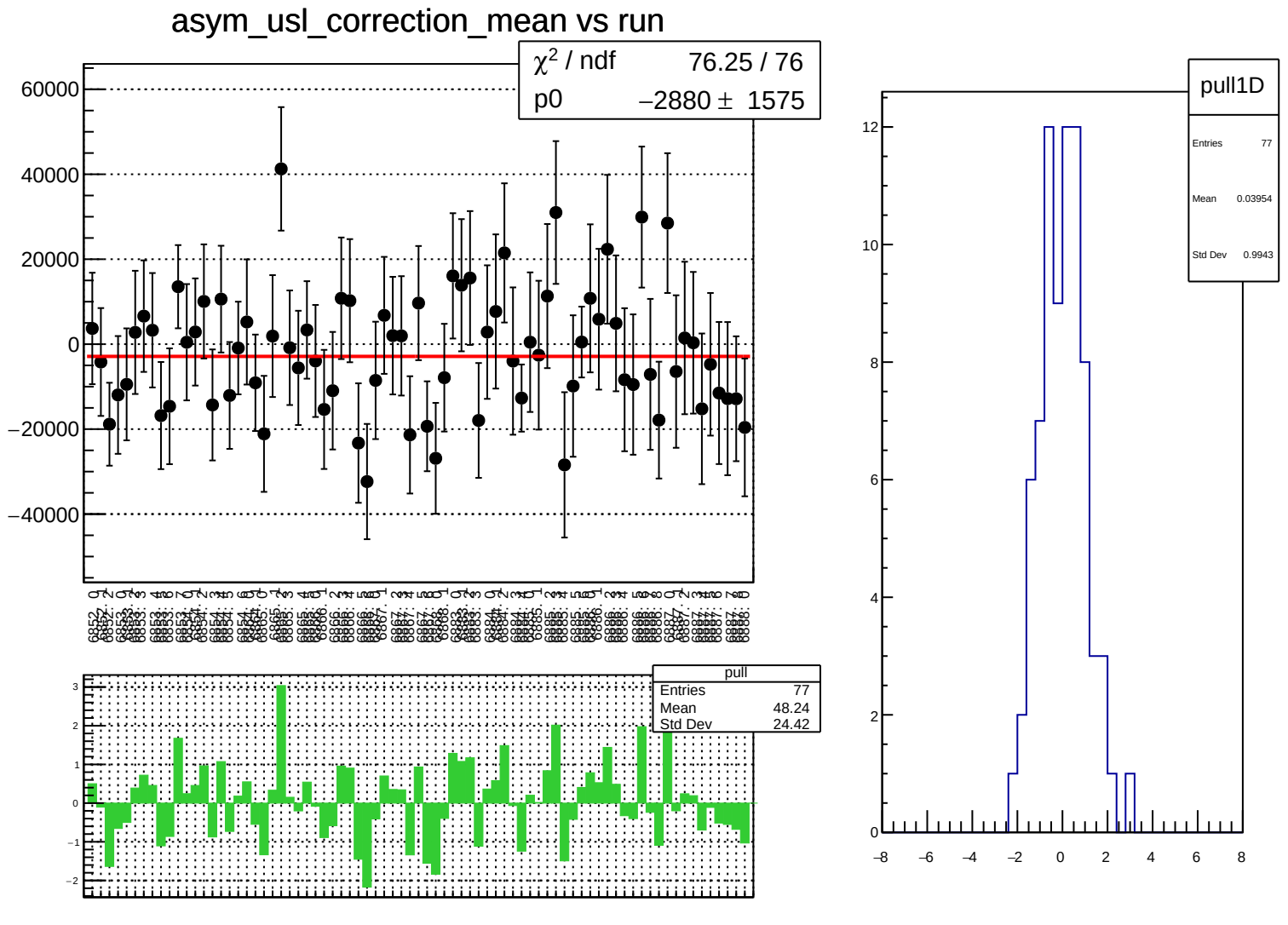


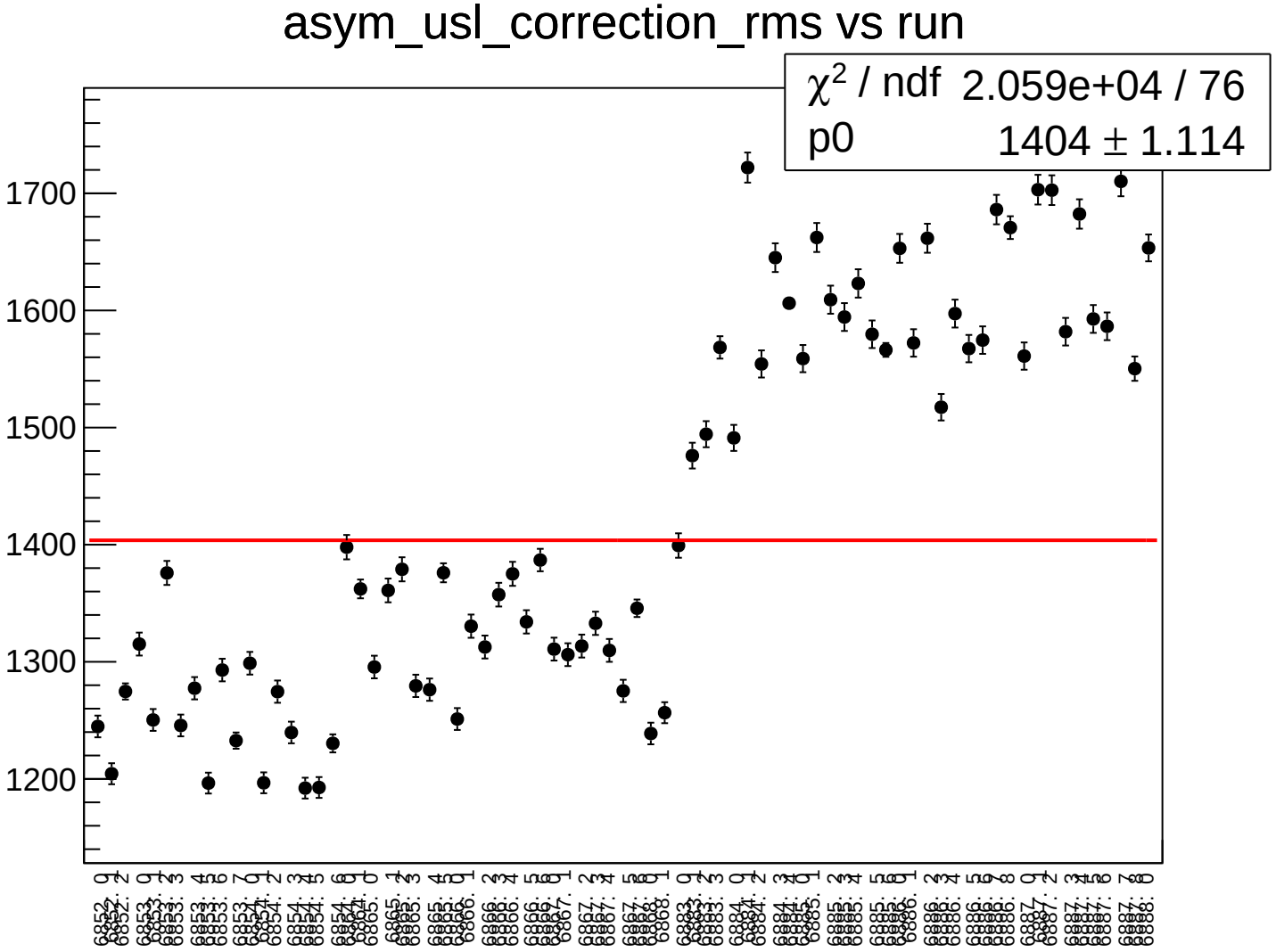

asym_us_dd_mean vs run
χ² / ndf 67.52 / 76
p0 1324 ± 1147
pull
Entries 77
Mean 116.8
Std Dev 68.74
pull1D
Entries 77
Mean −0.02381
Std Dev 0.9361

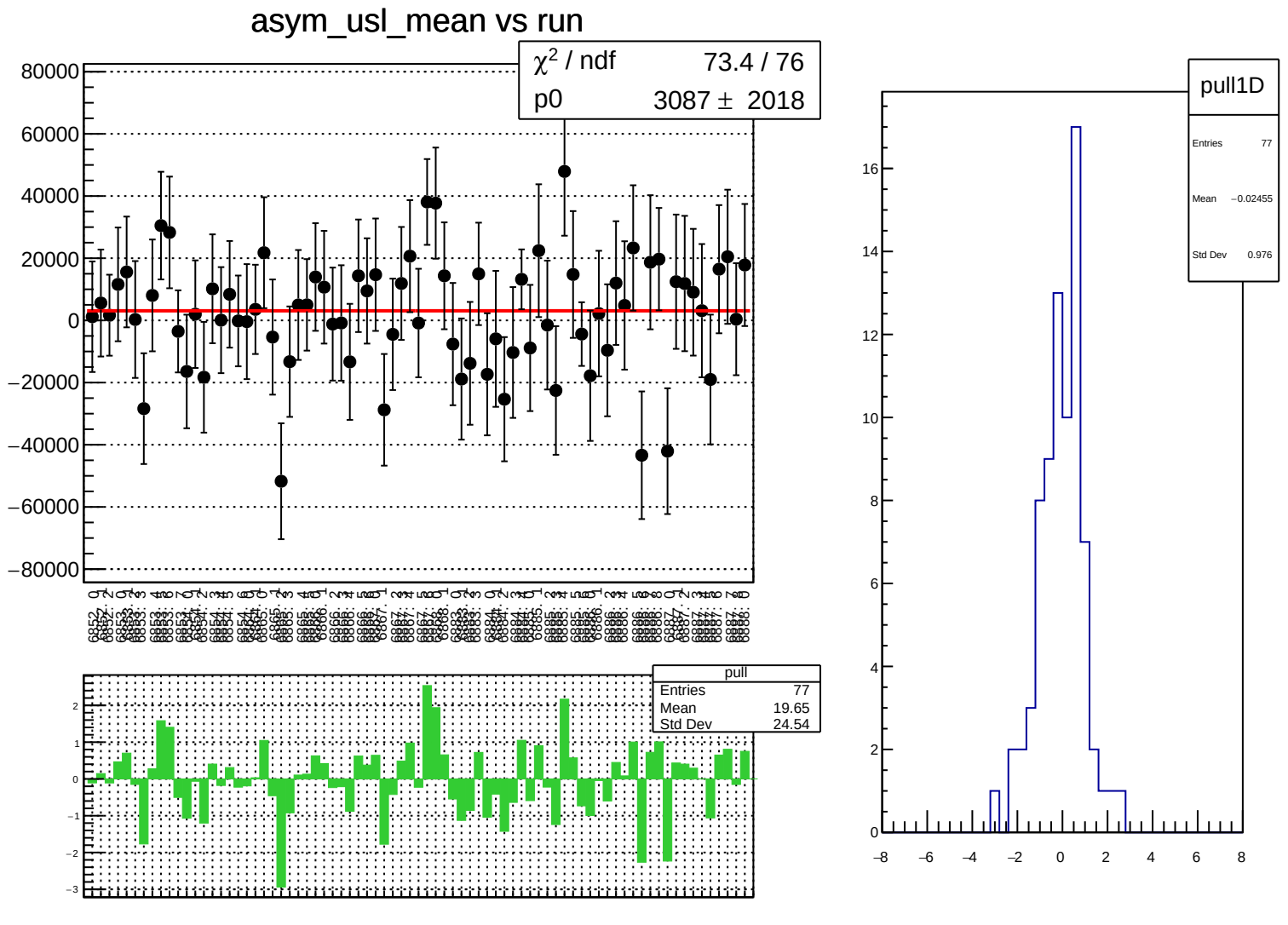

asym_us_dd_rms vs run
χ² / ndf 4413 / 76
p0 1027 ± 0.8111
1150
1100
1050
1000
950


dit_asym_usl_mean vs run
χ^2 / ndf 68.16 / 76
p0 278.2 ± 1256
pull
Entries 77
Mean 171
Std Dev 139.9
pull1D
Entries 77
Mean 0.009574
Std Dev 0.9408

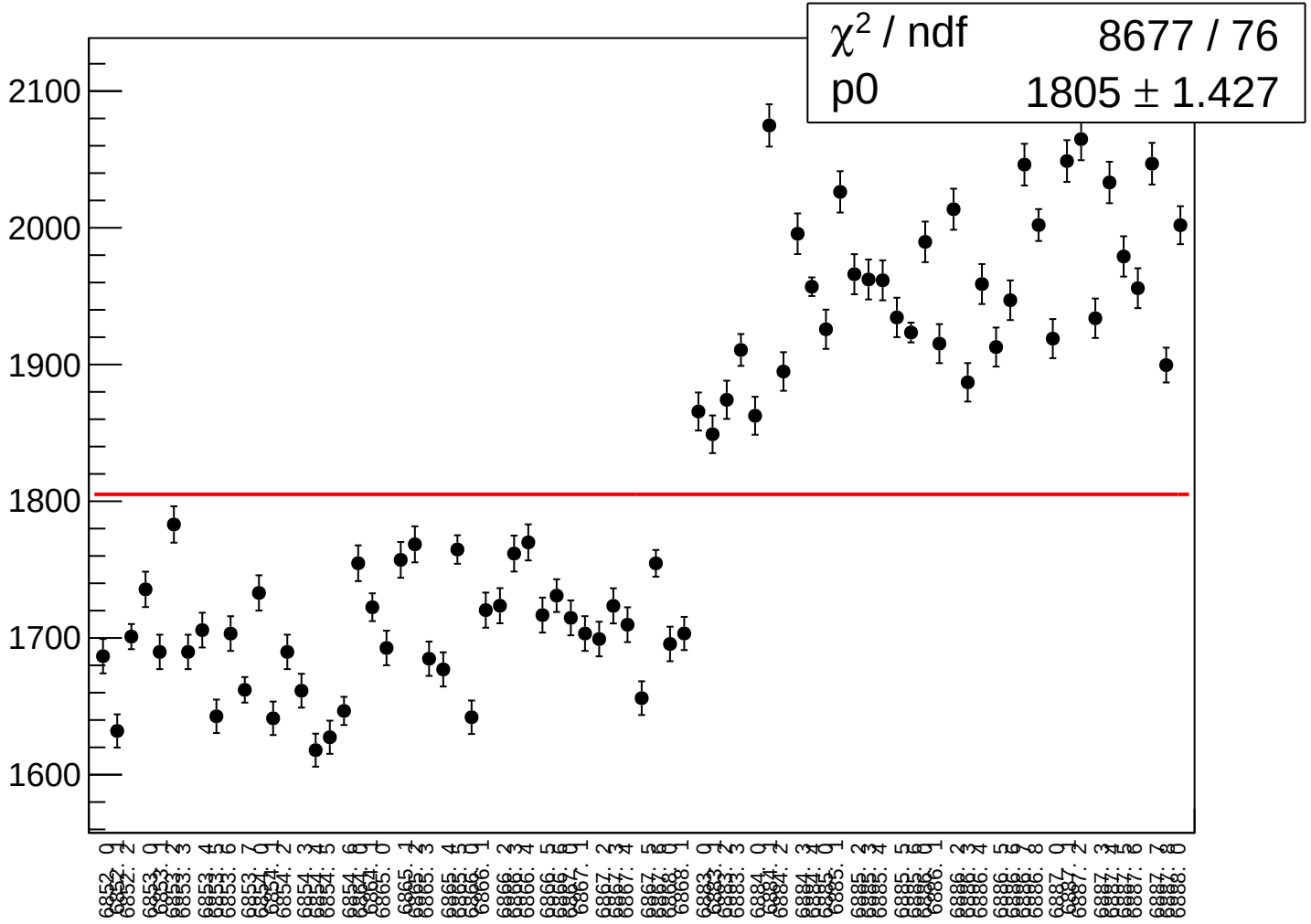

dit_asym_usl_rms vs run
χ² / ndf 208 / 76
p0 1126 ± 0.8878
1240
1220
1200
1180
1160
1140
1120
1100
1080

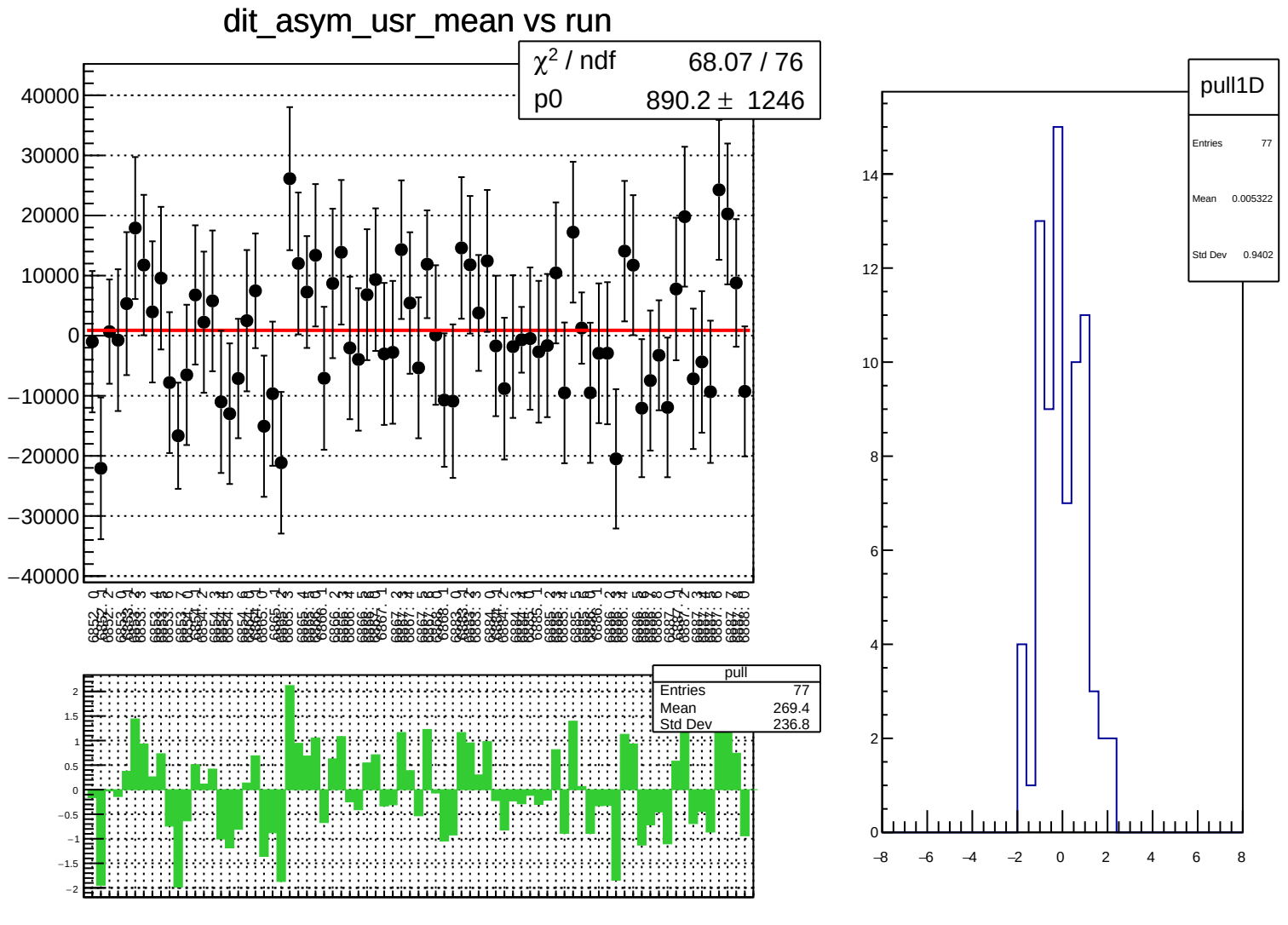

asym_usl_correction_mean vs run
χ² / ndf 76.25 / 76
p0 −2880 ± 1575
60000
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 48.24
Std Dev 24.42
3
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.03954
Std Dev 0.9943
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_correction_rms vs run
χ2 / ndf 2.059e+04 / 76
p0 1404 ± 1.114
1700
1600
1500
1400
1300
1200

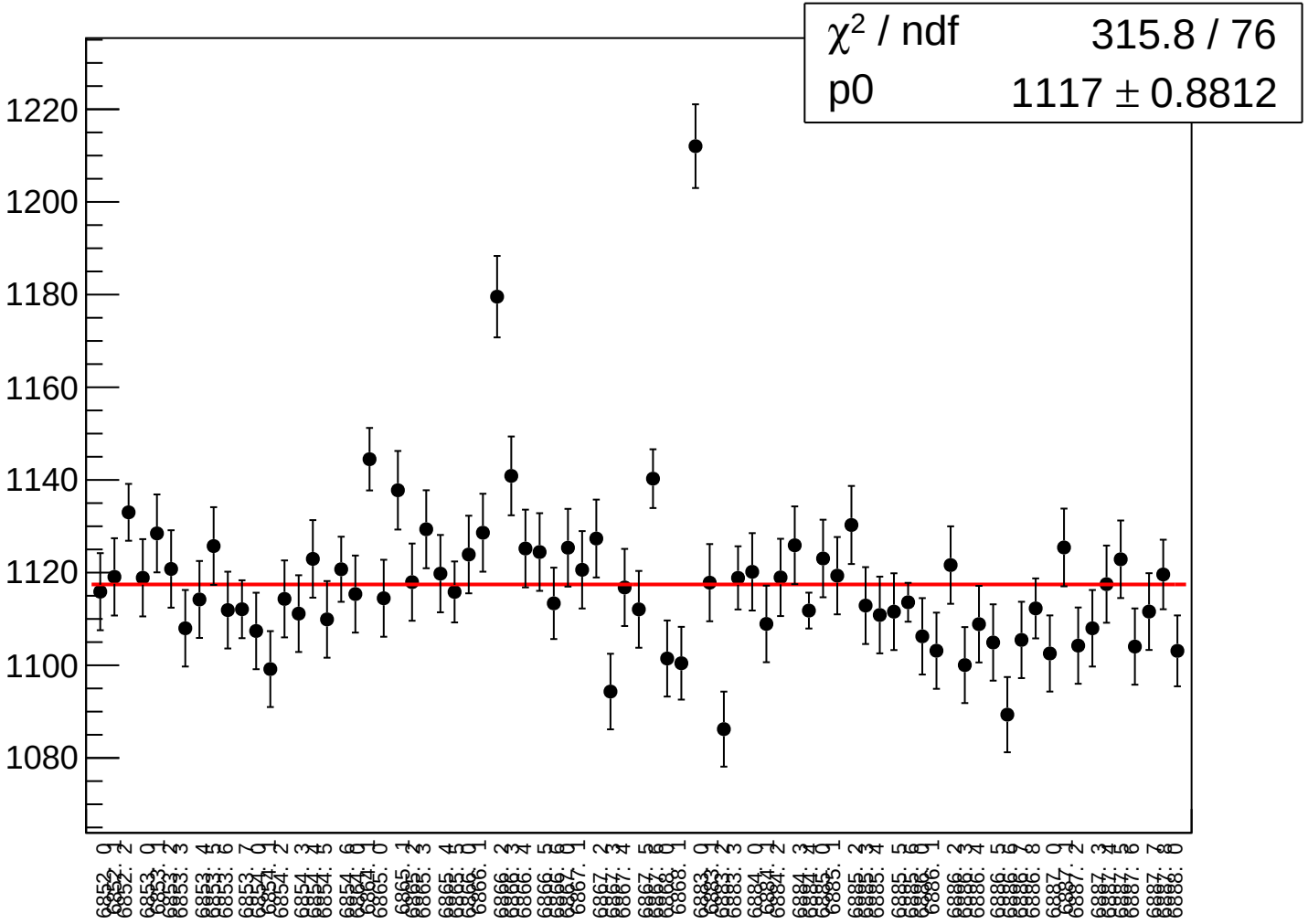

asym_usl_mean vs run
χ² / ndf 73.4 / 76
p0 3087 ± 2018
pull
Entries 77
Mean 19.65
Std Dev 24.54
pull1D
Entries 77
Mean −0.02455
Std Dev 0.976

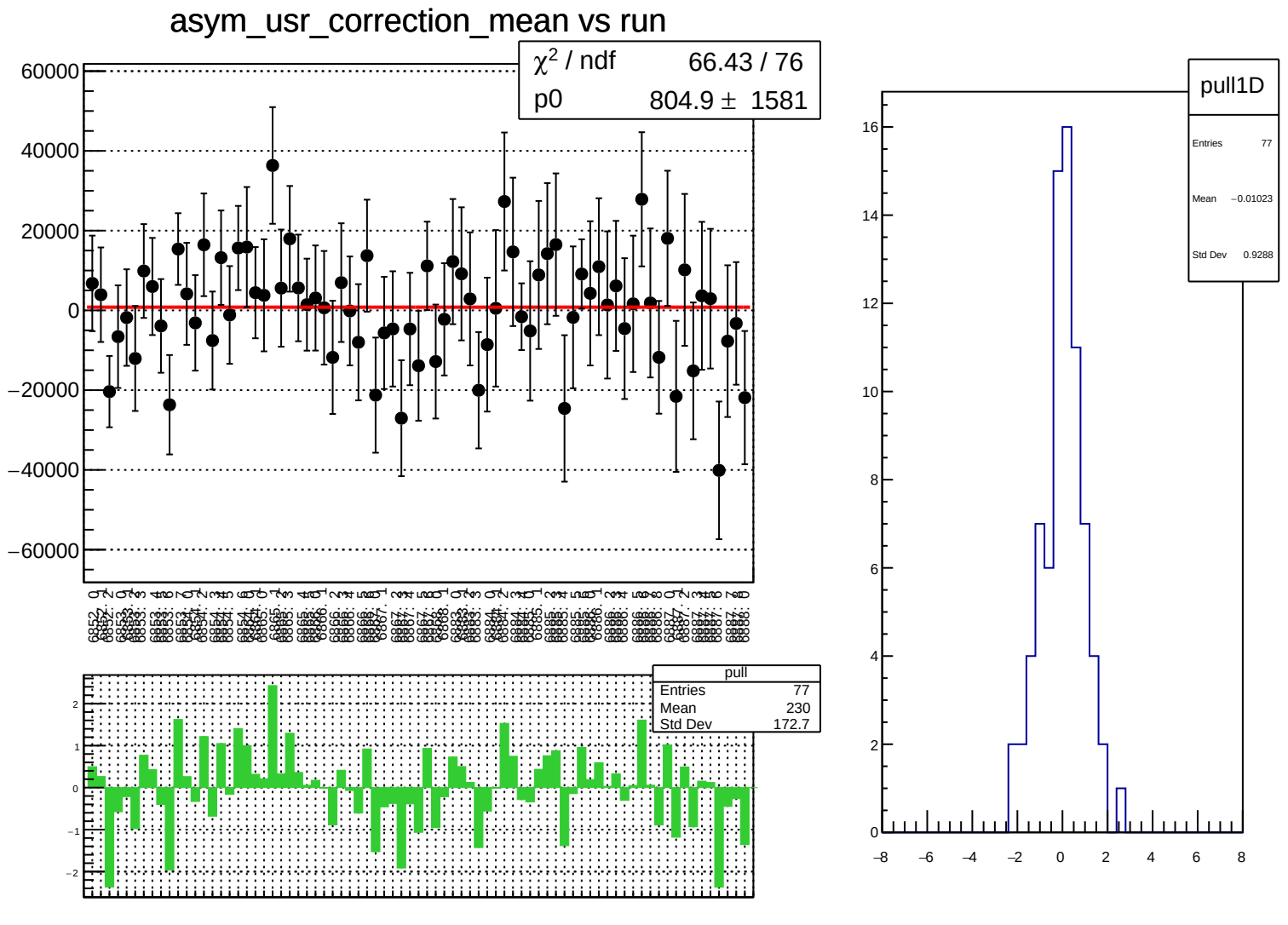
asym_usl_rms vs run

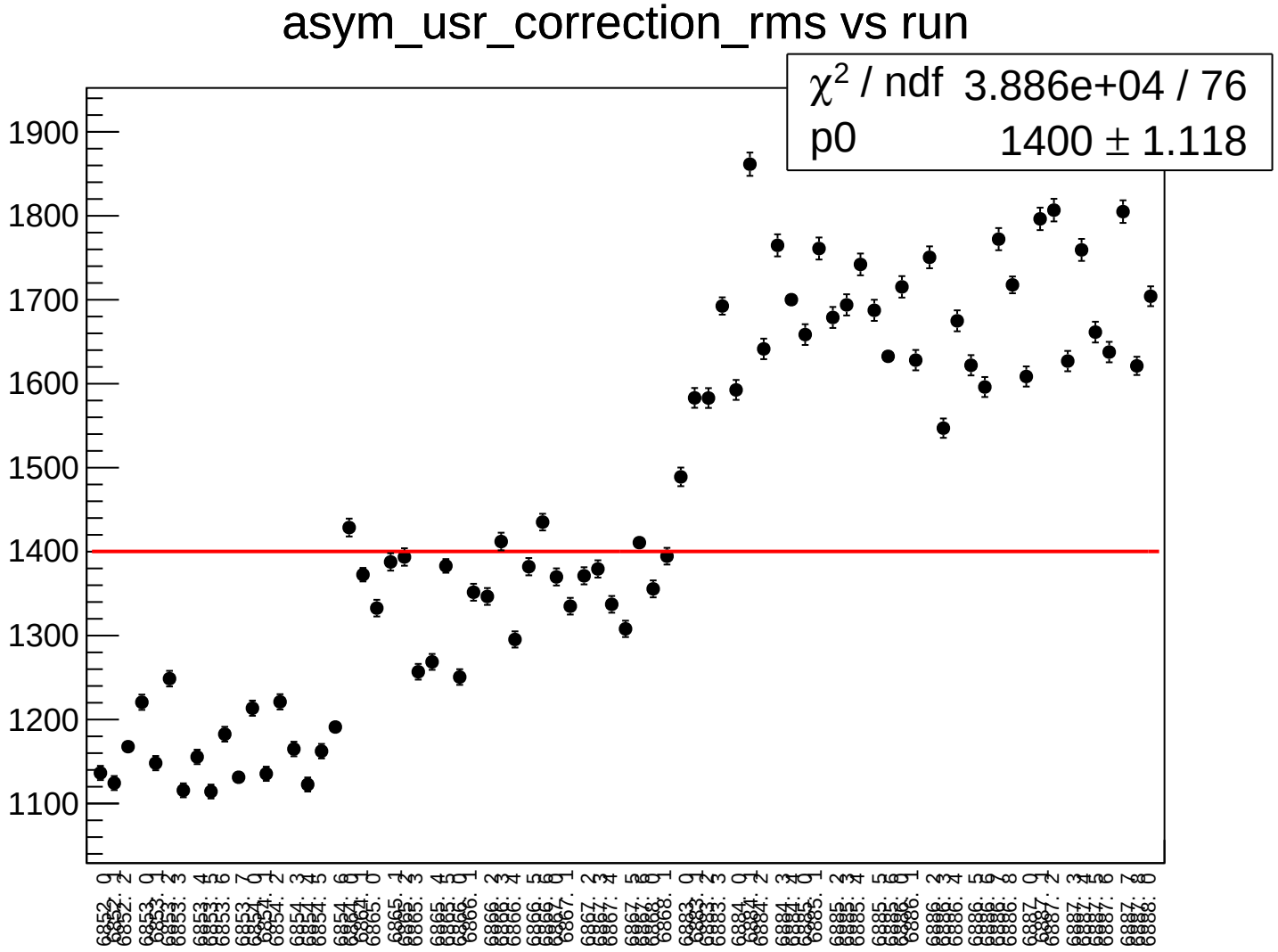


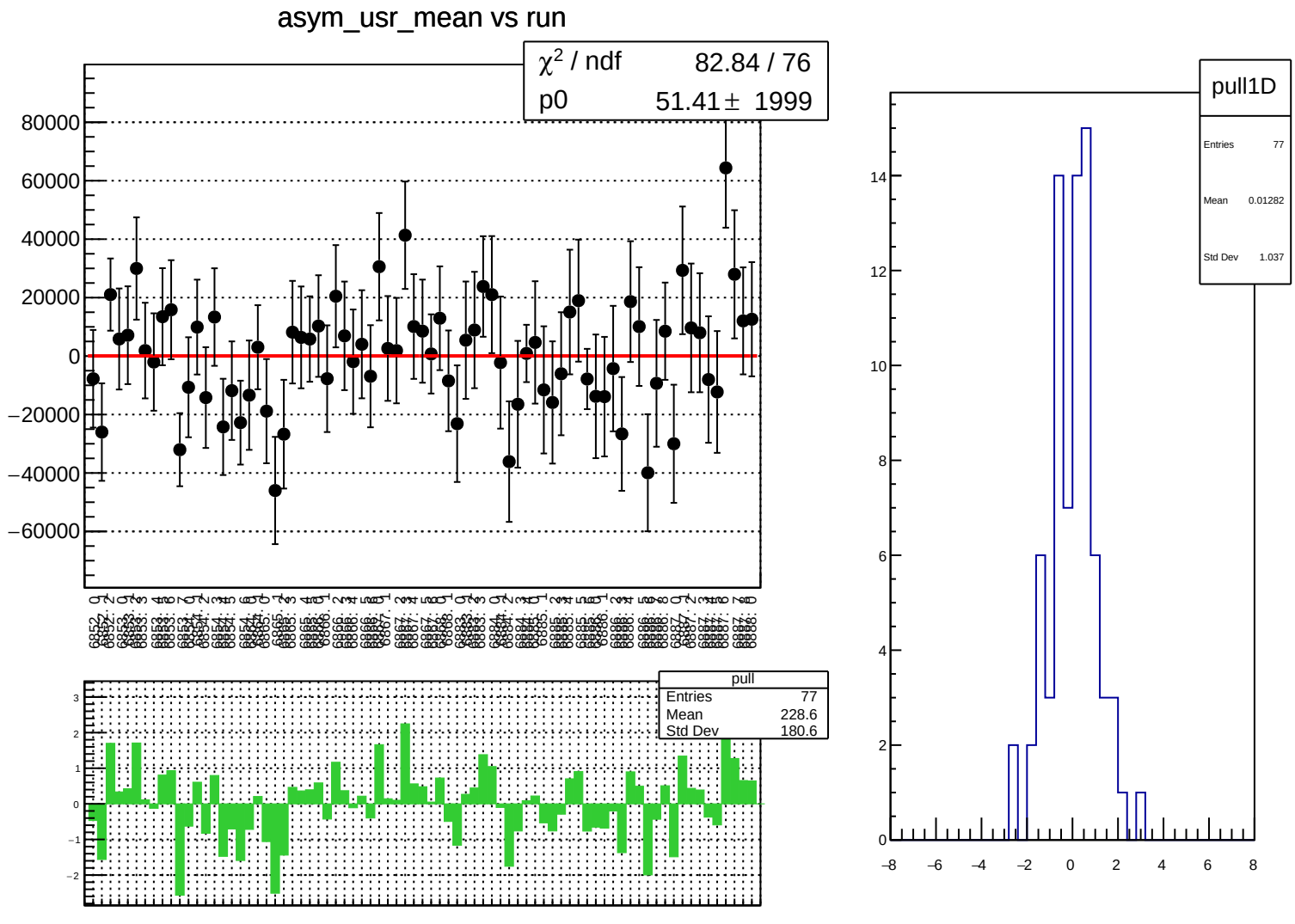

dit_asym_usr_mean vs run
χ² / ndf 68.07 / 76
p0 890.2 ± 1246
pull
Entries 77
Mean 269.4
Std Dev 236.8
pull1D
Entries 77
Mean 0.005322
Std Dev 0.9402

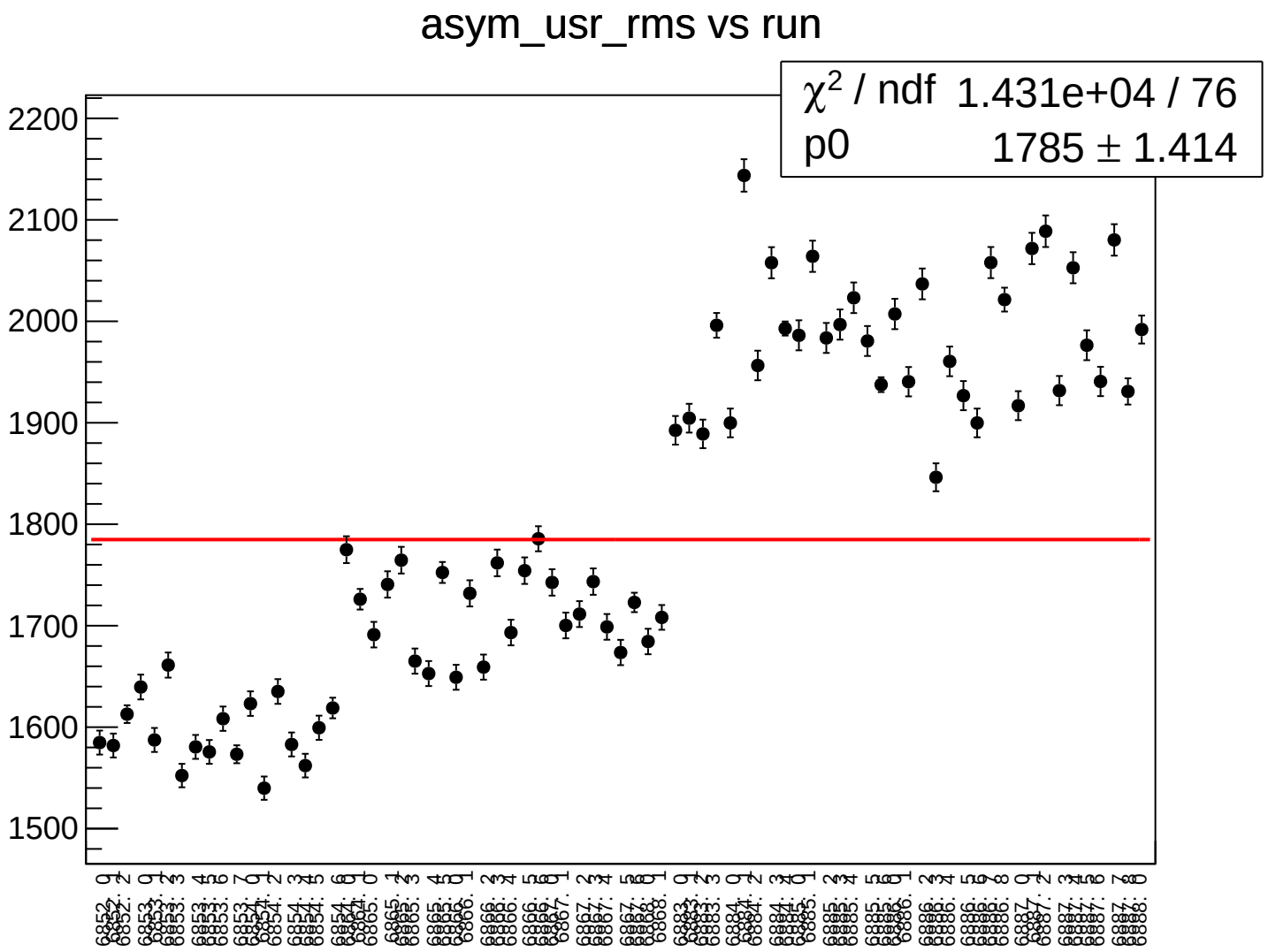
dit_asym_usr_rms vs run

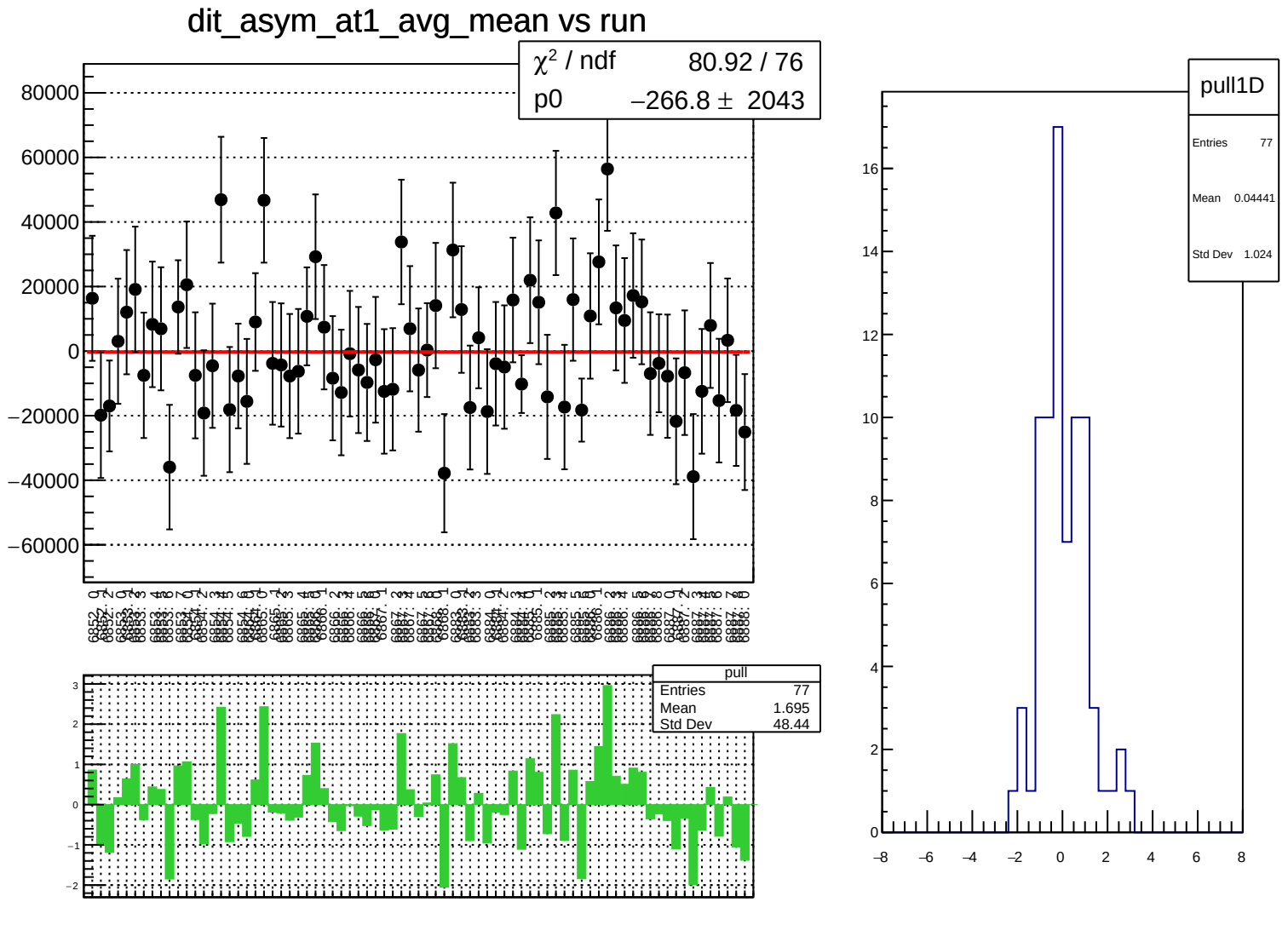



asym_usr_correction_mean vs run
χ² / ndf 66.43 / 76
p0 804.9 ± 1581
pull
Entries 77
Mean 230
Std Dev 172.7
pull1D
Entries 77
Mean −0.01023
Std Dev 0.9288

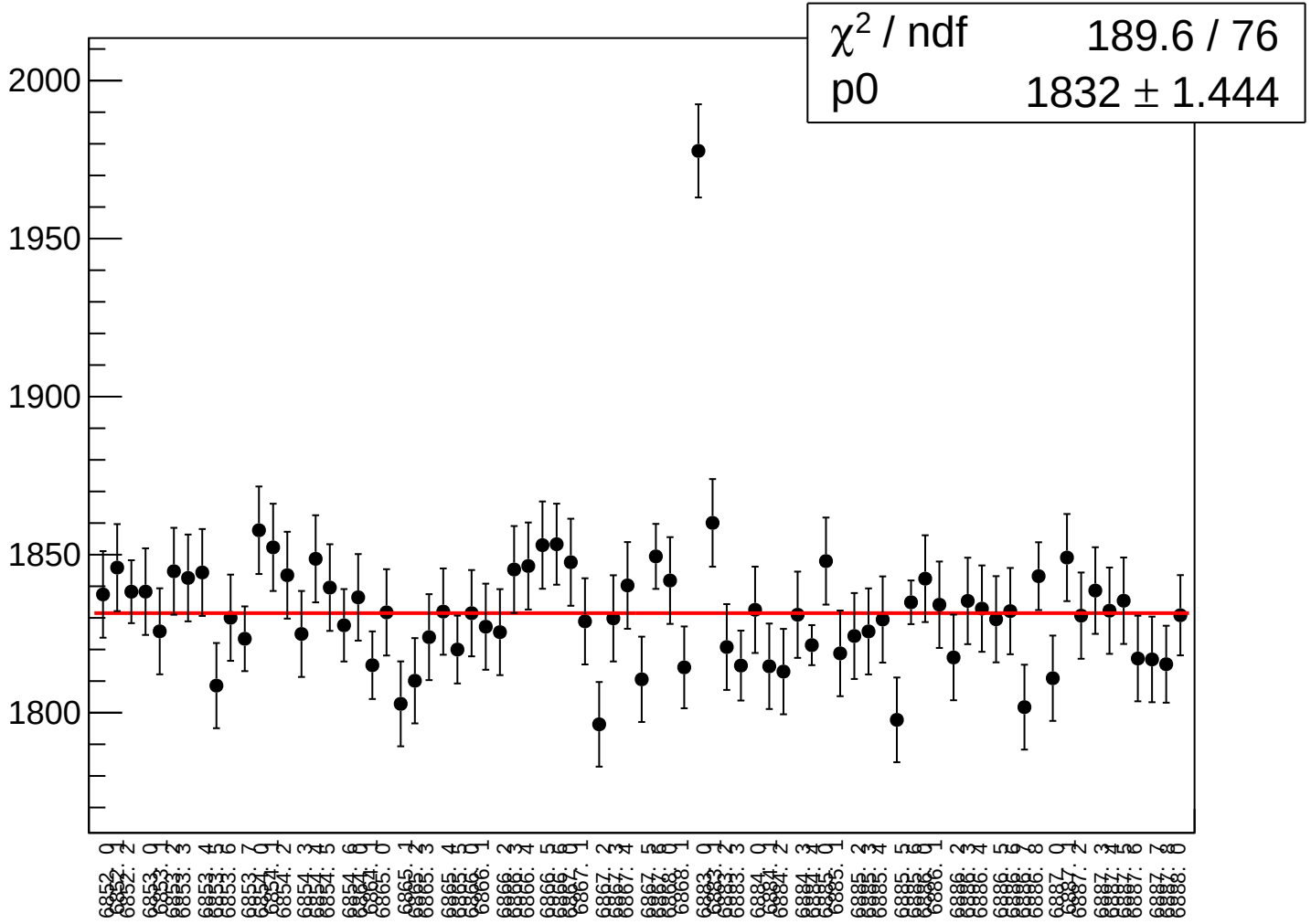

asym_usr_correction_rms vs run
χ² / ndf 3.886e+04 / 76
p0 1400 ± 1.118
1900
1800
1700
1600
1500
1400
1300
1200
1100

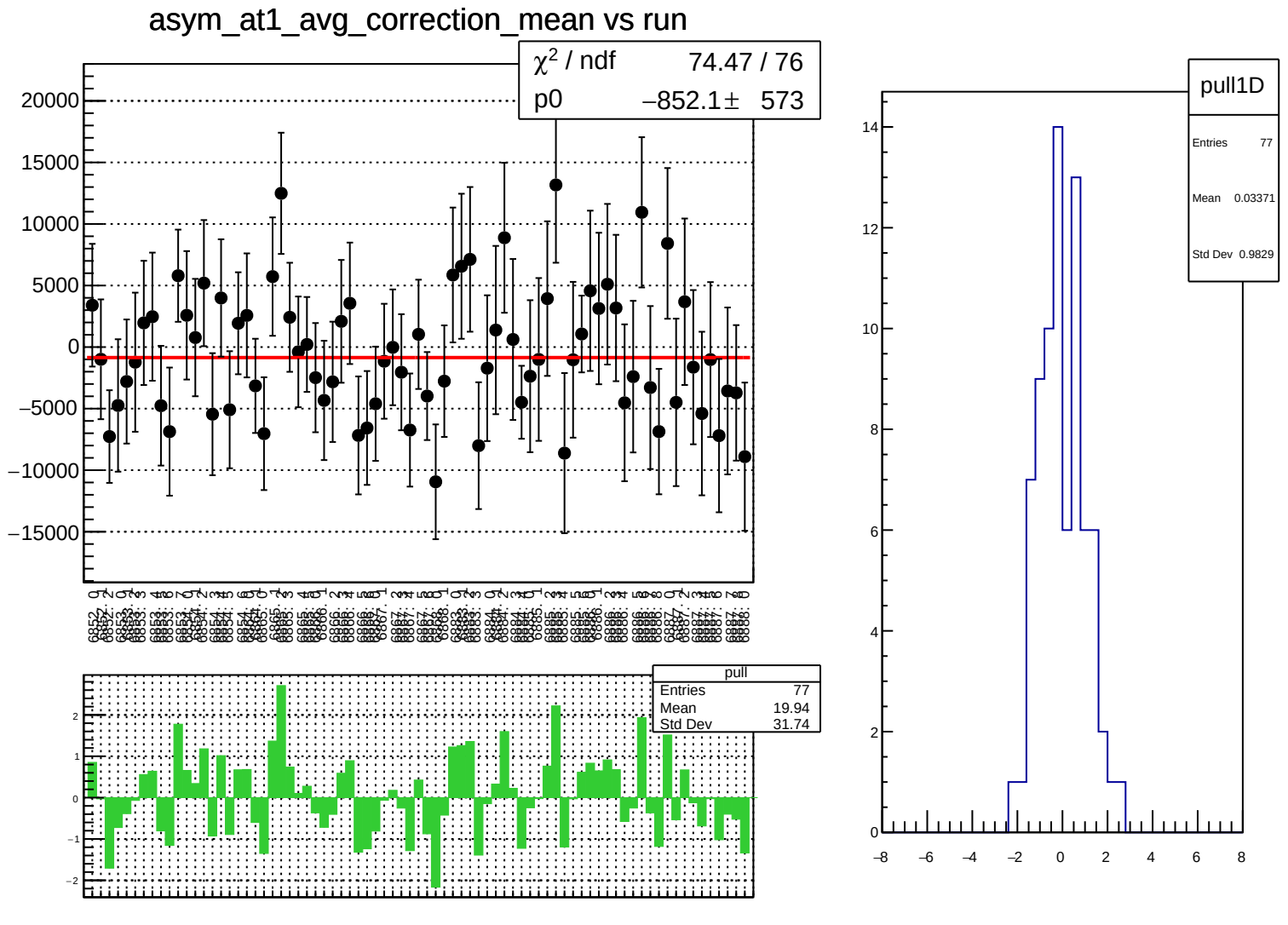

asym_usr_mean vs run
χ² / ndf 82.84 / 76
p0 51.41 ± 1999
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 228.6
Std Dev 180.6
3
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.01282
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_rms vs run
χ² / ndf 1.431e+04 / 76
p0 1785 ± 1.414
2200
2100
2000
1900
1800
1700
1600
1500

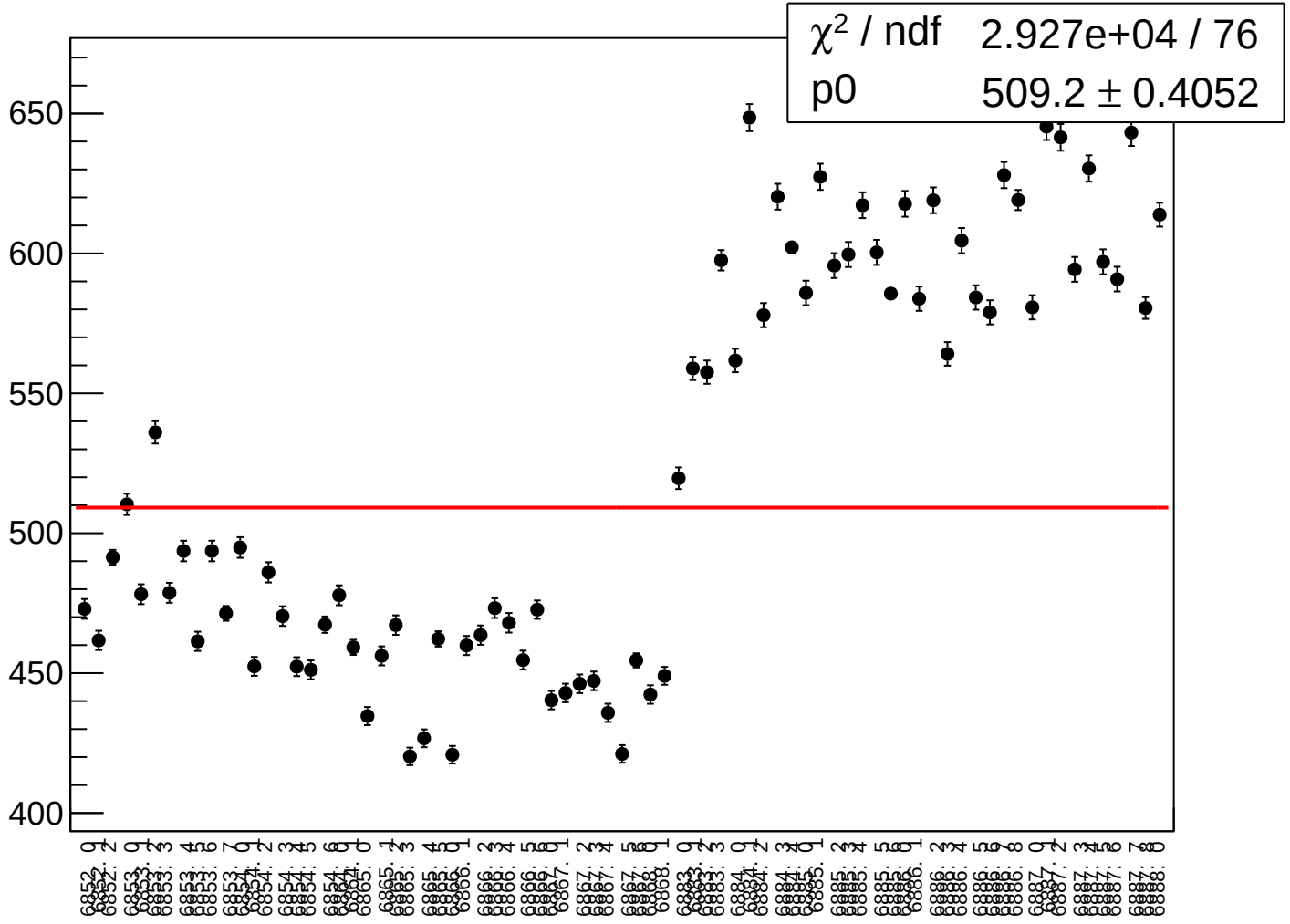

dit_asym_at1_avg_mean vs run
χ² / ndf 80.92 / 76
p0 −266.8 ± 2043
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 1.695
Std Dev 48.44
pull1D
Entries 77
Mean 0.04441
Std Dev 1.024

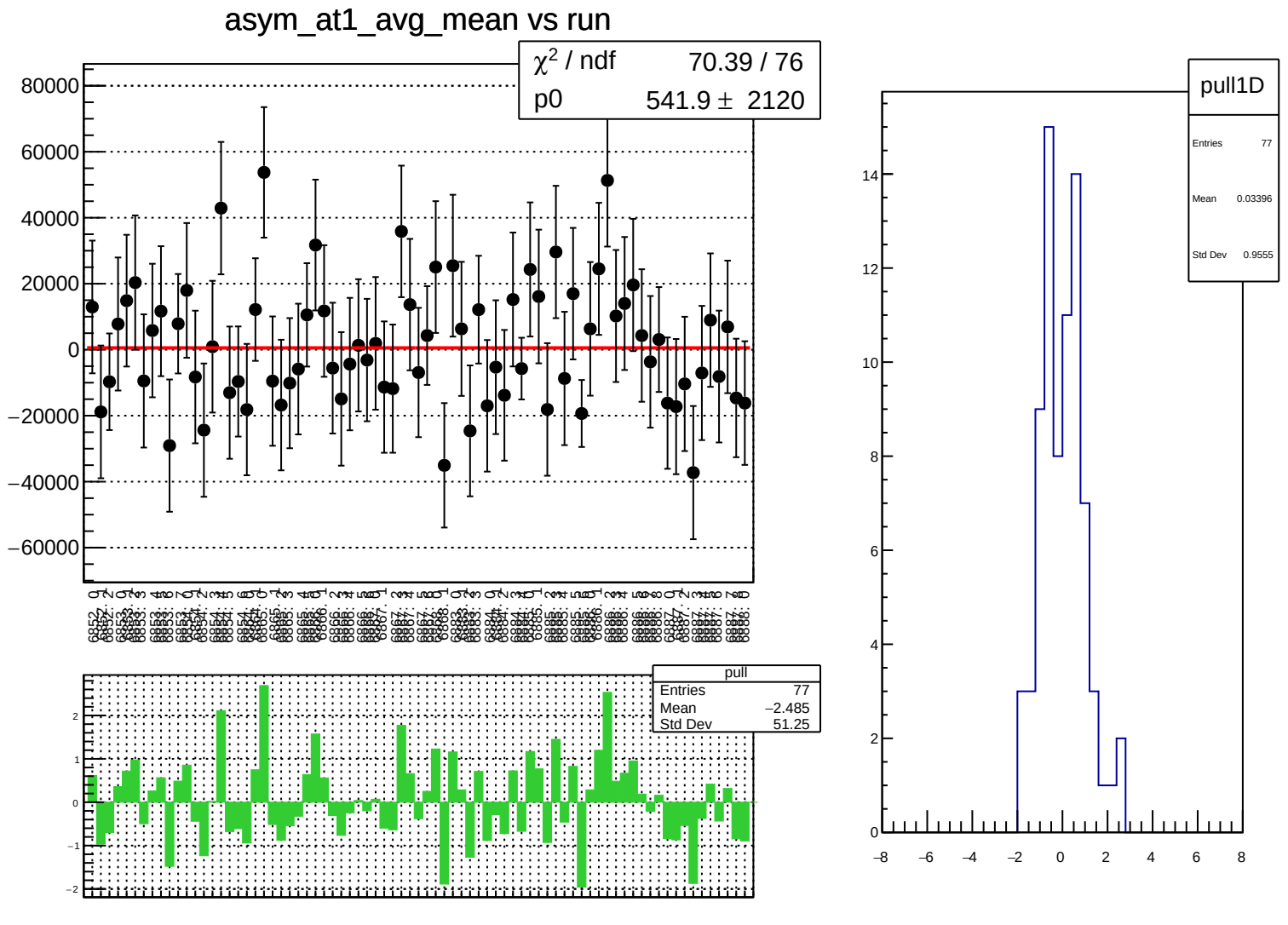
dit_asym_at1_avg_rms vs run

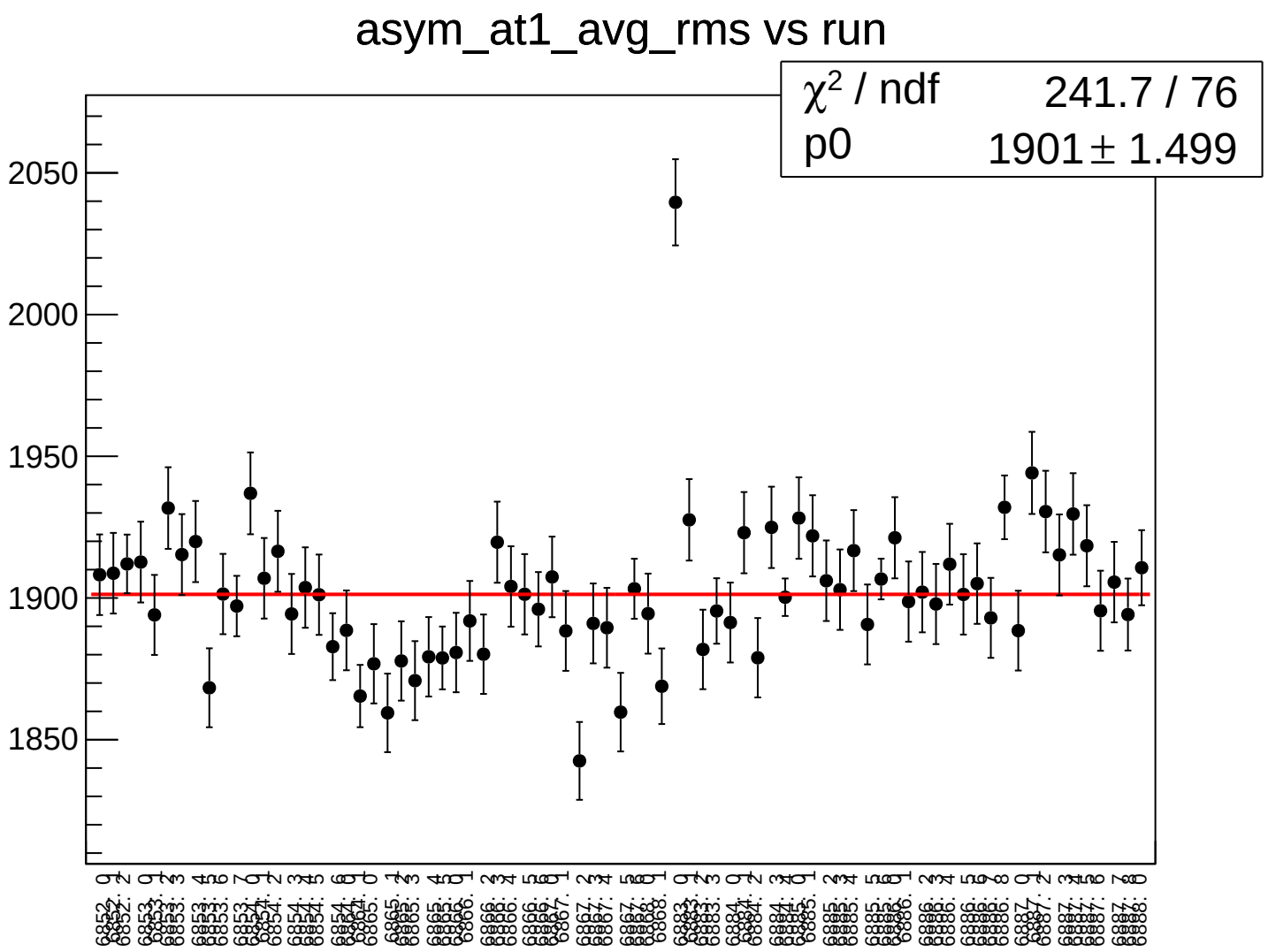


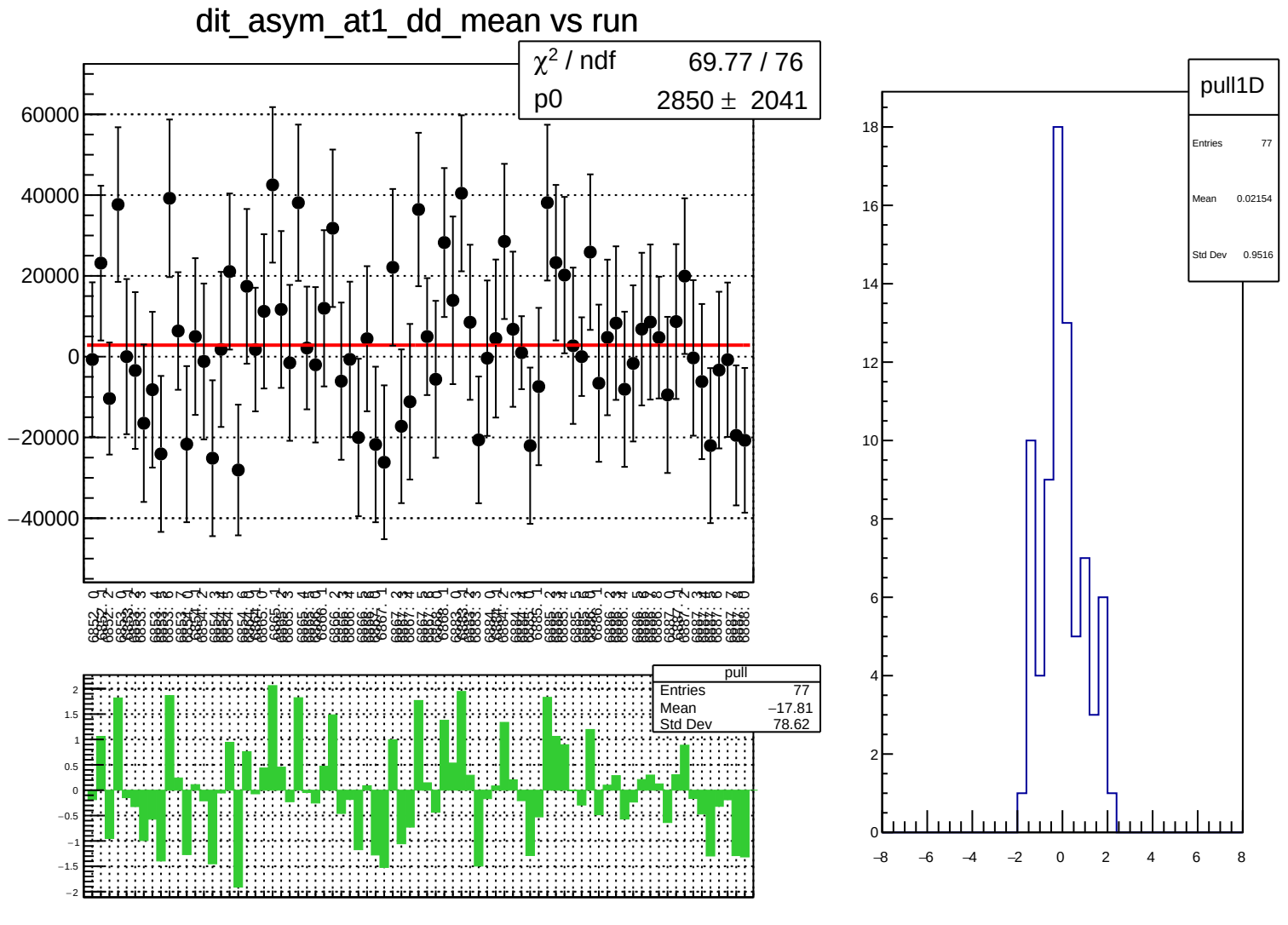

asym_at1_avg_correction_mean vs run
χ² / ndf 74.47 / 76
p0 −852.1 ± 573
pull
Entries 77
Mean 19.94
Std Dev 31.74
pull1D
Entries 77
Mean 0.03371
Std Dev 0.9829

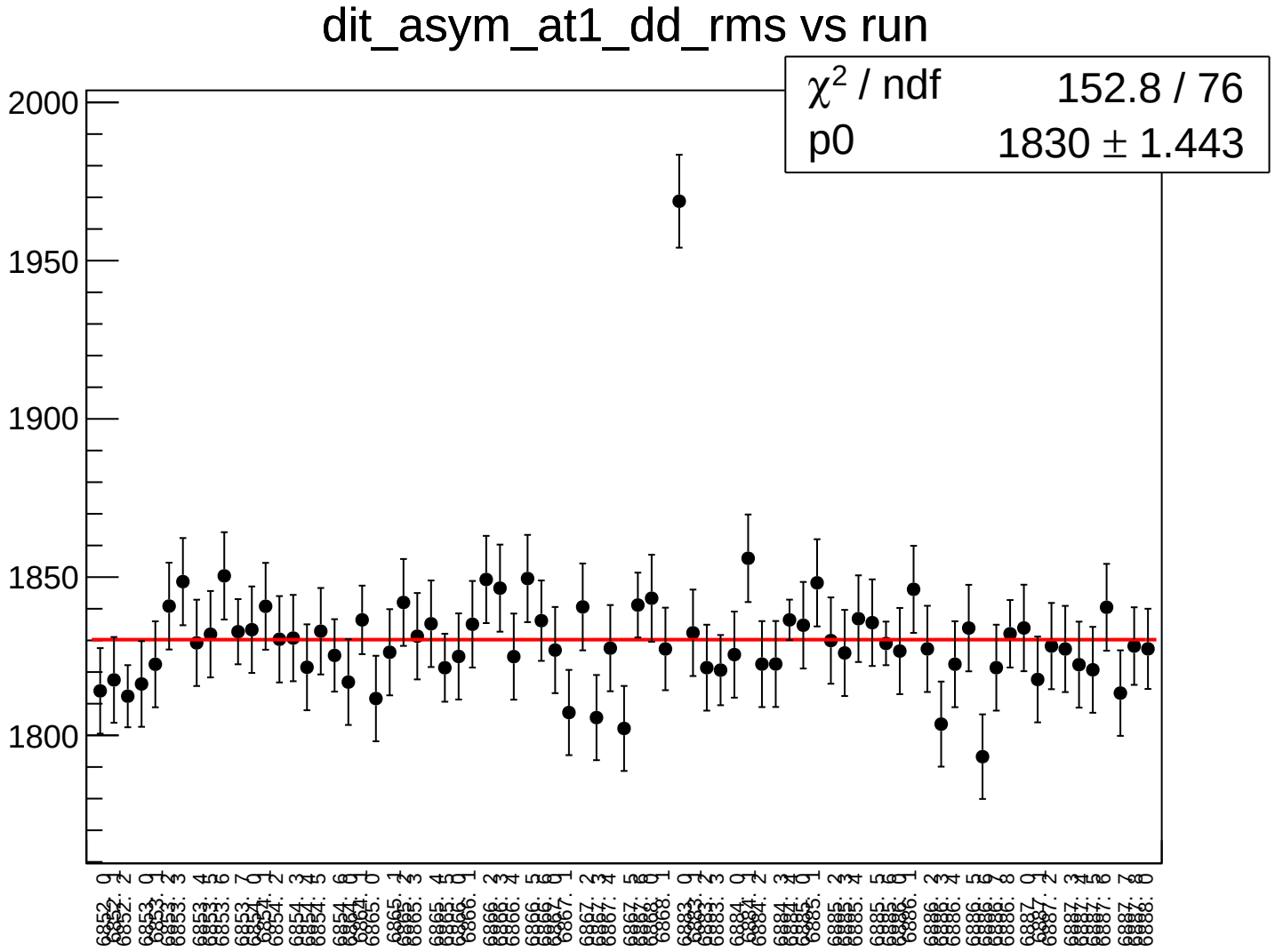
asym_at1_avg_correction_rms vs run

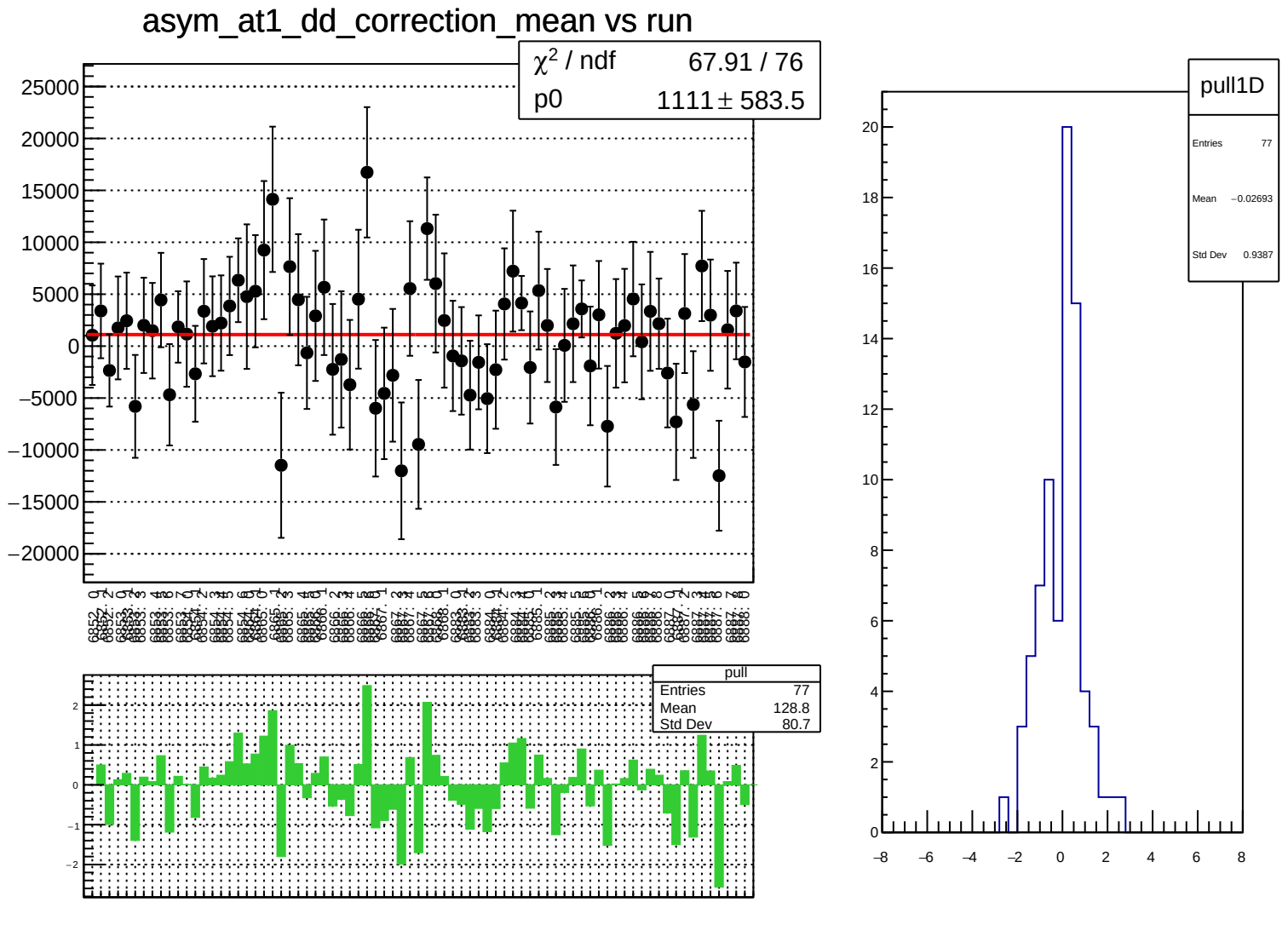



asym_at1_avg_mean vs run
χ² / ndf 70.39 / 76
p0 541.9 ± 2120
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean −2.485
Std Dev 51.25
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.03396
Std Dev 0.9555
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

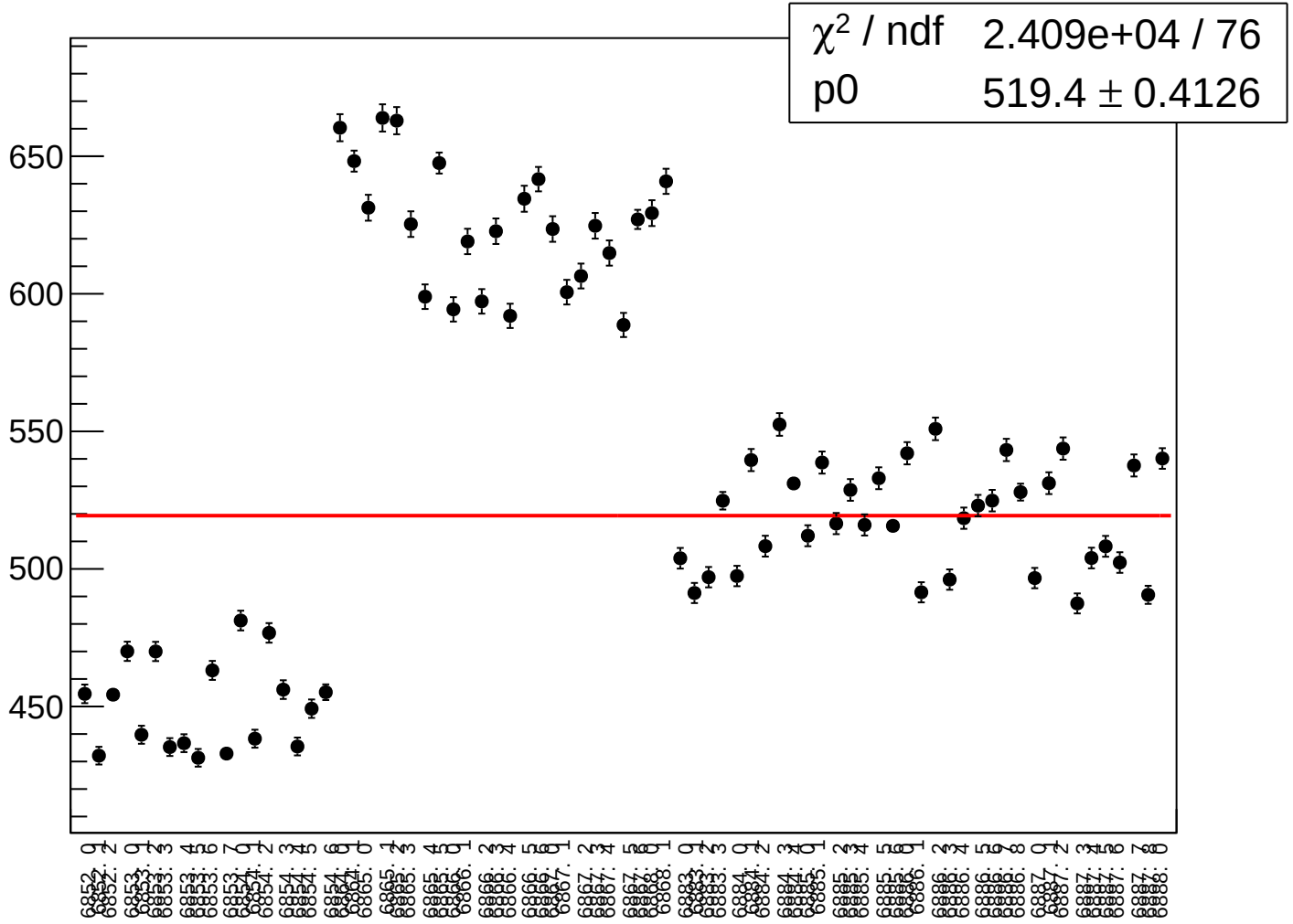

asym_at1_avg_rms vs run
χ² / ndf 241.7 / 76
p0 1901 ± 1.499
2050
2000
1950
1900
1850

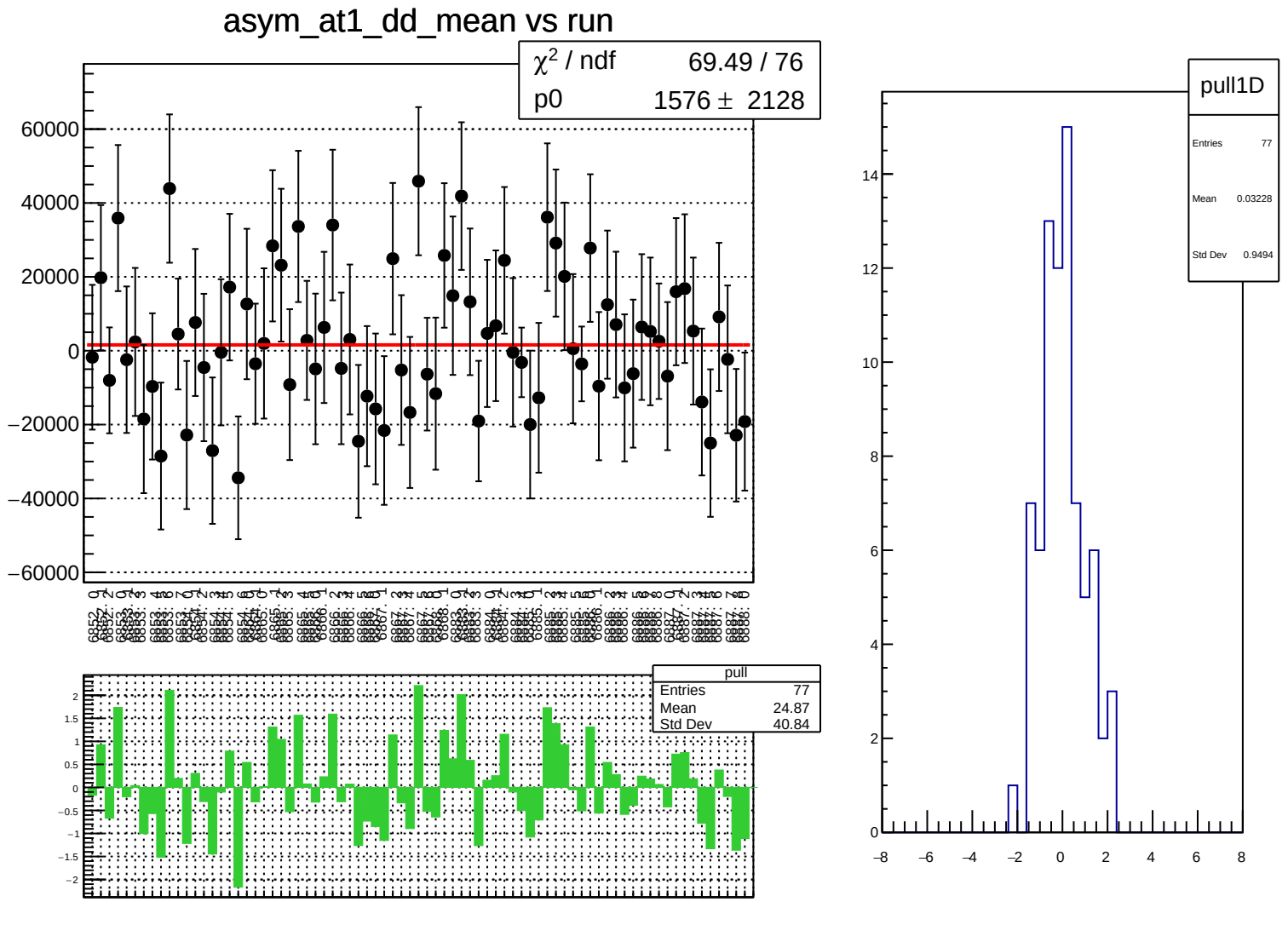

dit_asym_at1_dd_mean vs run
χ² / ndf 69.77 / 76
p0 2850 ± 2041
pull
Entries 77
Mean −17.81
Std Dev 78.62
pull1D
Entries 77
Mean 0.02154
Std Dev 0.9516

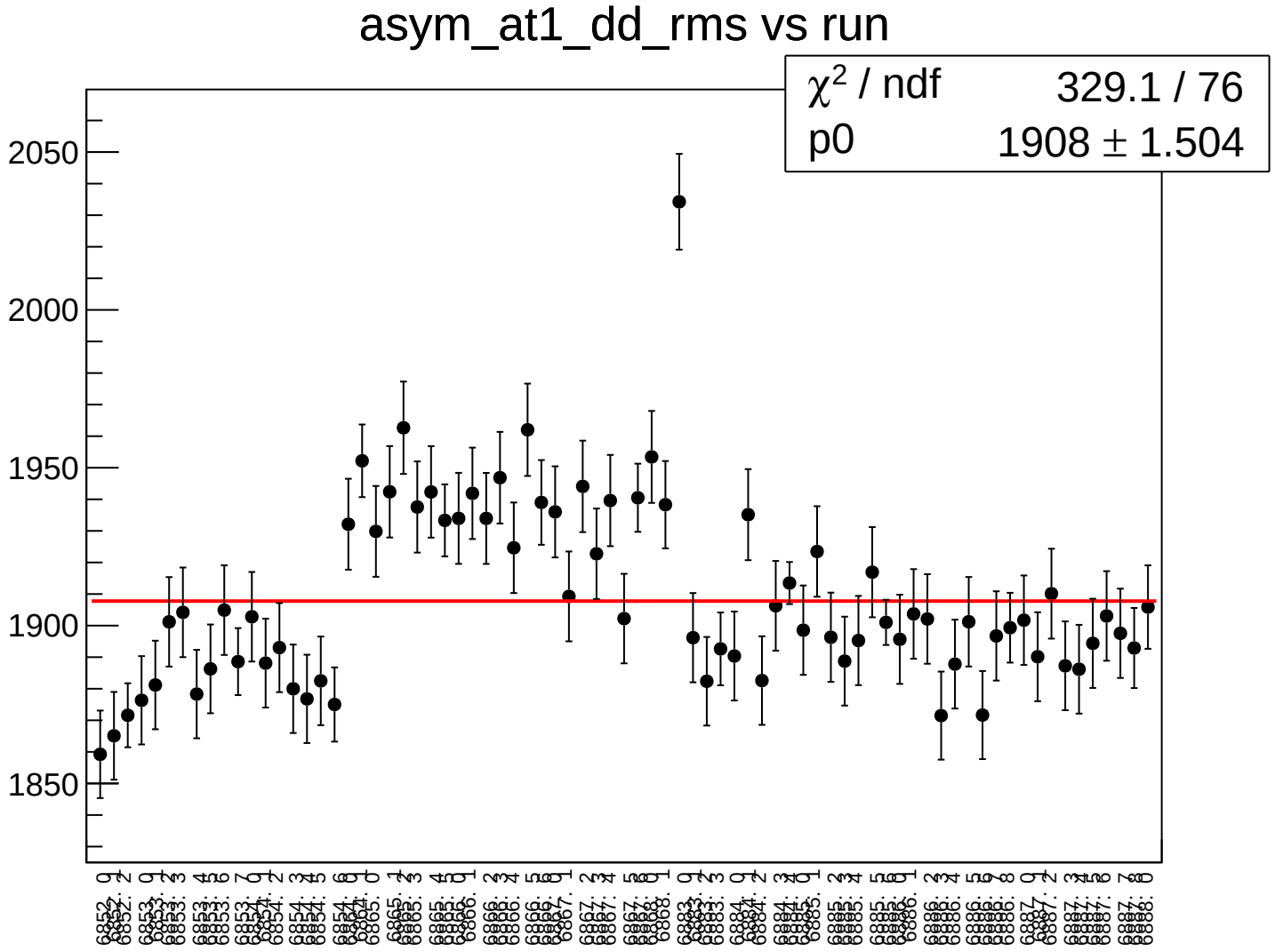

dit_asym_at1_dd_rms vs run
χ² / ndf 152.8 / 76
p0 1830 ± 1.443
2000
1950
1900
1850
1800

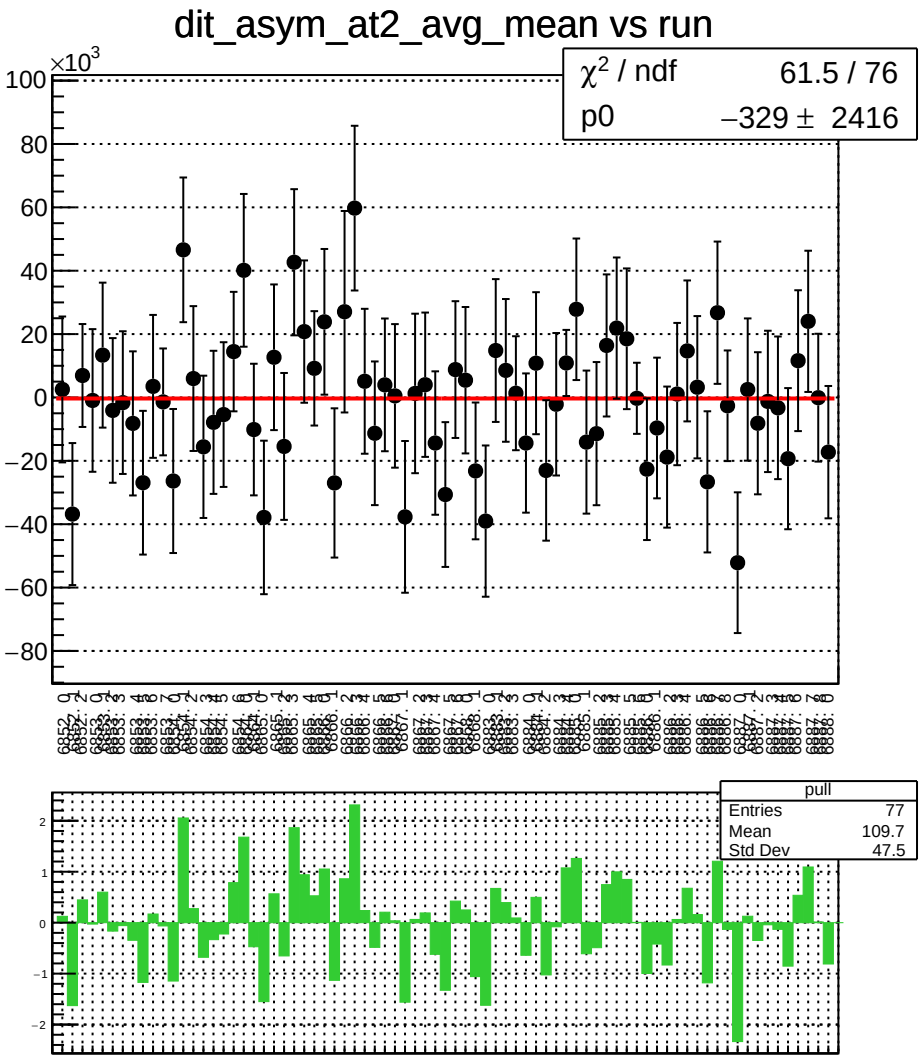

asym_at1_dd_correction_mean vs run
χ² / ndf 67.91 / 76
p0 1111 ± 583.5
pull
Entries 77
Mean 128.8
Std Dev 80.7
pull1D
Entries 77
Mean −0.02693
Std Dev 0.9387

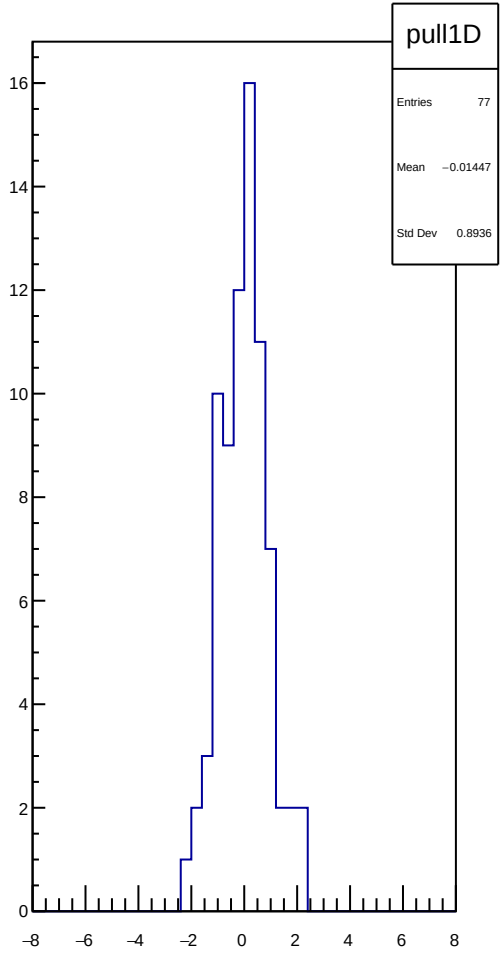
asym_at1_dd_correction_rms vs run

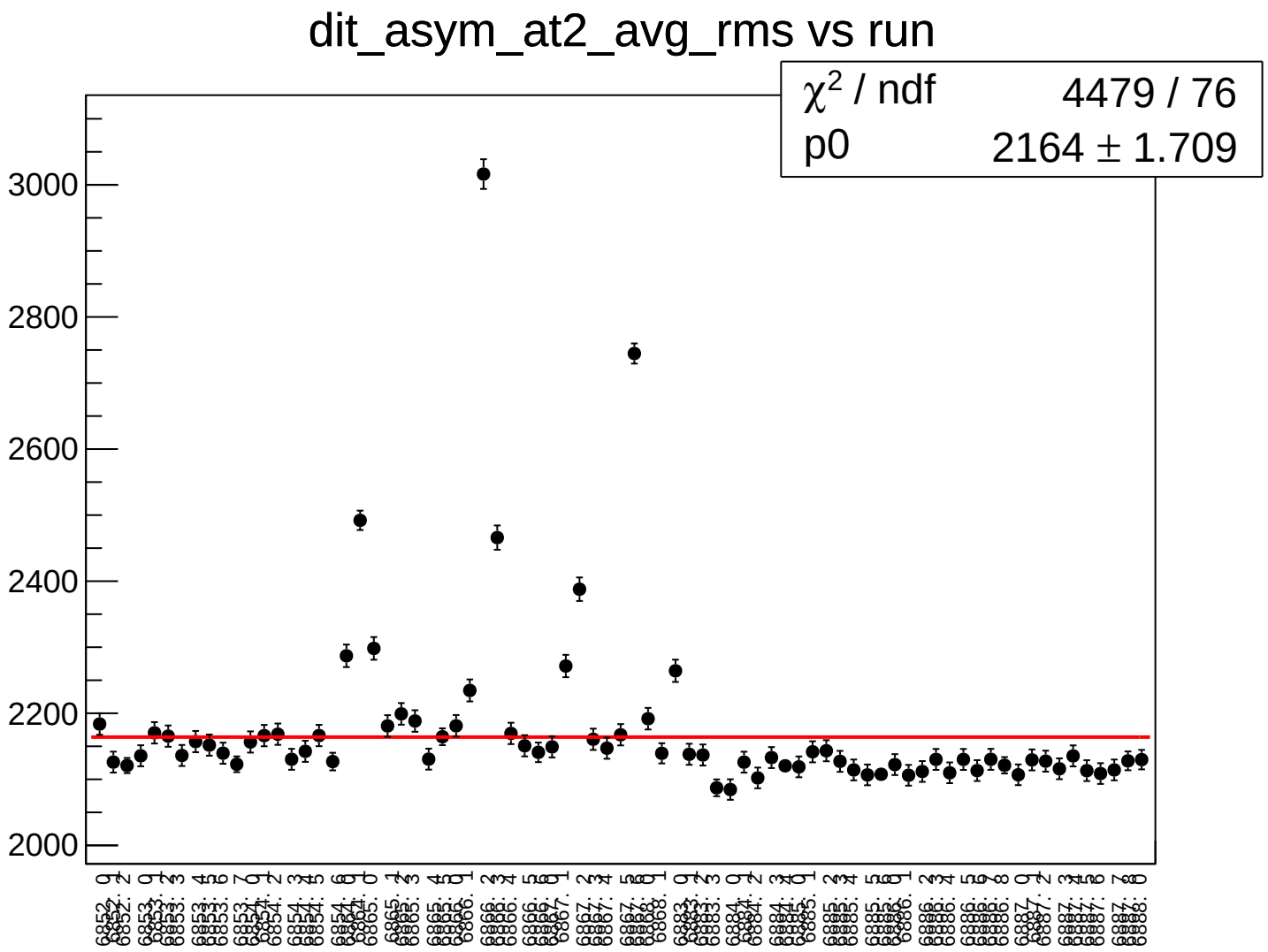


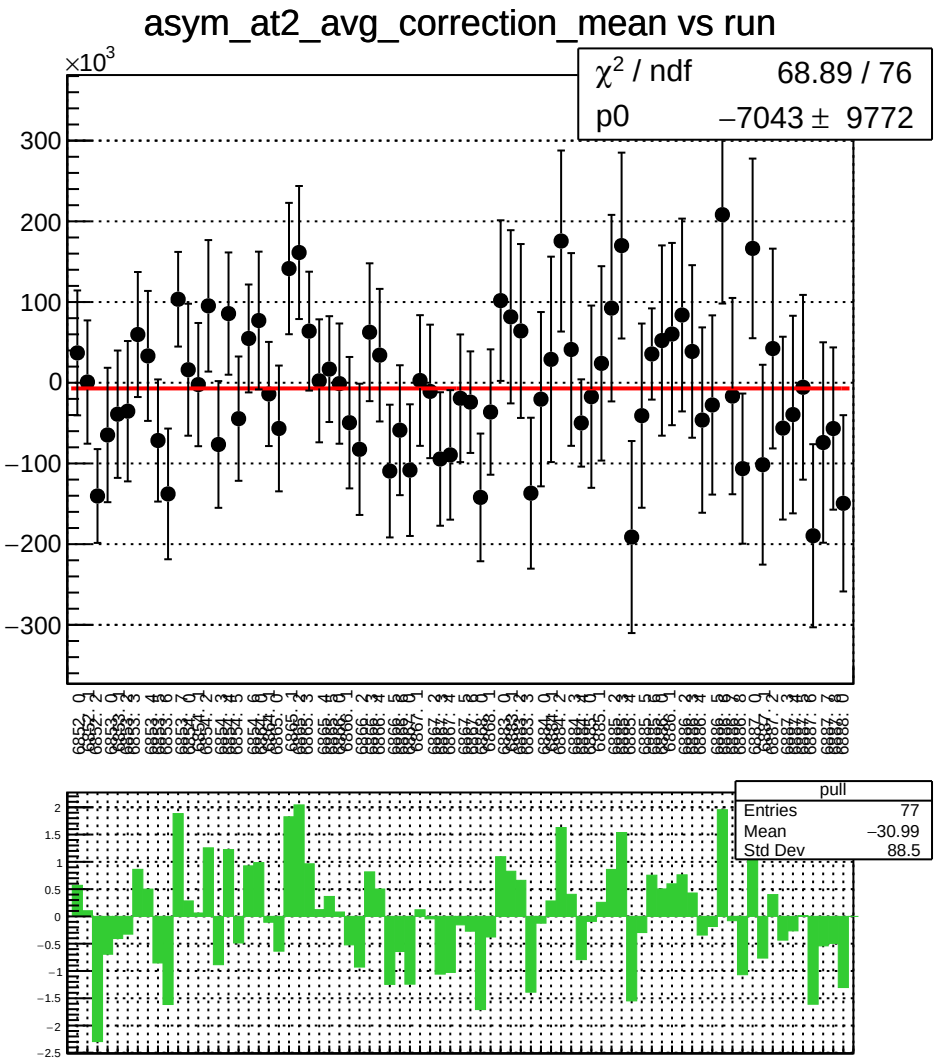

asym_at1_dd_mean vs run
χ² / ndf 69.49 / 76
p0 1576 ± 2128
pull
Entries 77
Mean 24.87
Std Dev 40.84
pull1D
Entries 77
Mean 0.03228
Std Dev 0.9494

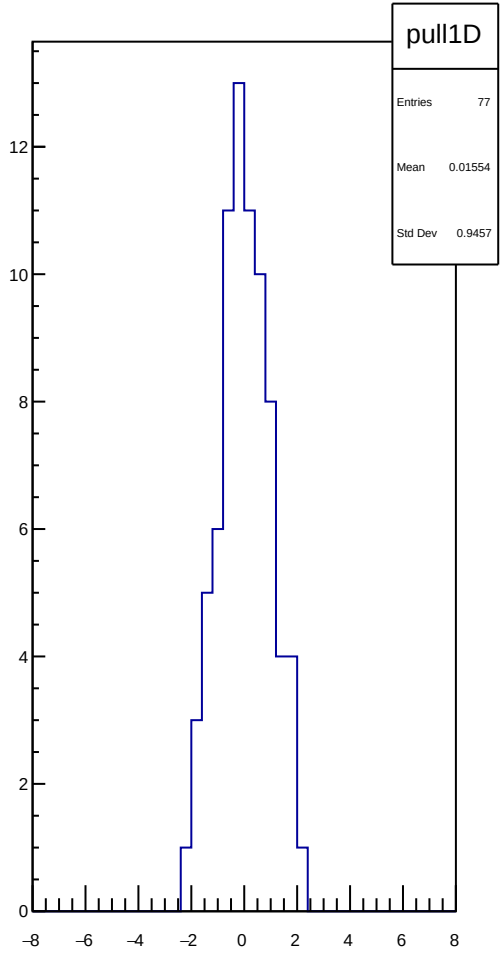

asym_at1_dd_rms vs run
χ² / ndf 329.1 / 76
p0 1908 ± 1.504
2050
2000
1950
1900
1850


dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 61.5 / 76
p0 −329 ± 2416
pull
Entries 77
Mean 109.7
Std Dev 47.5

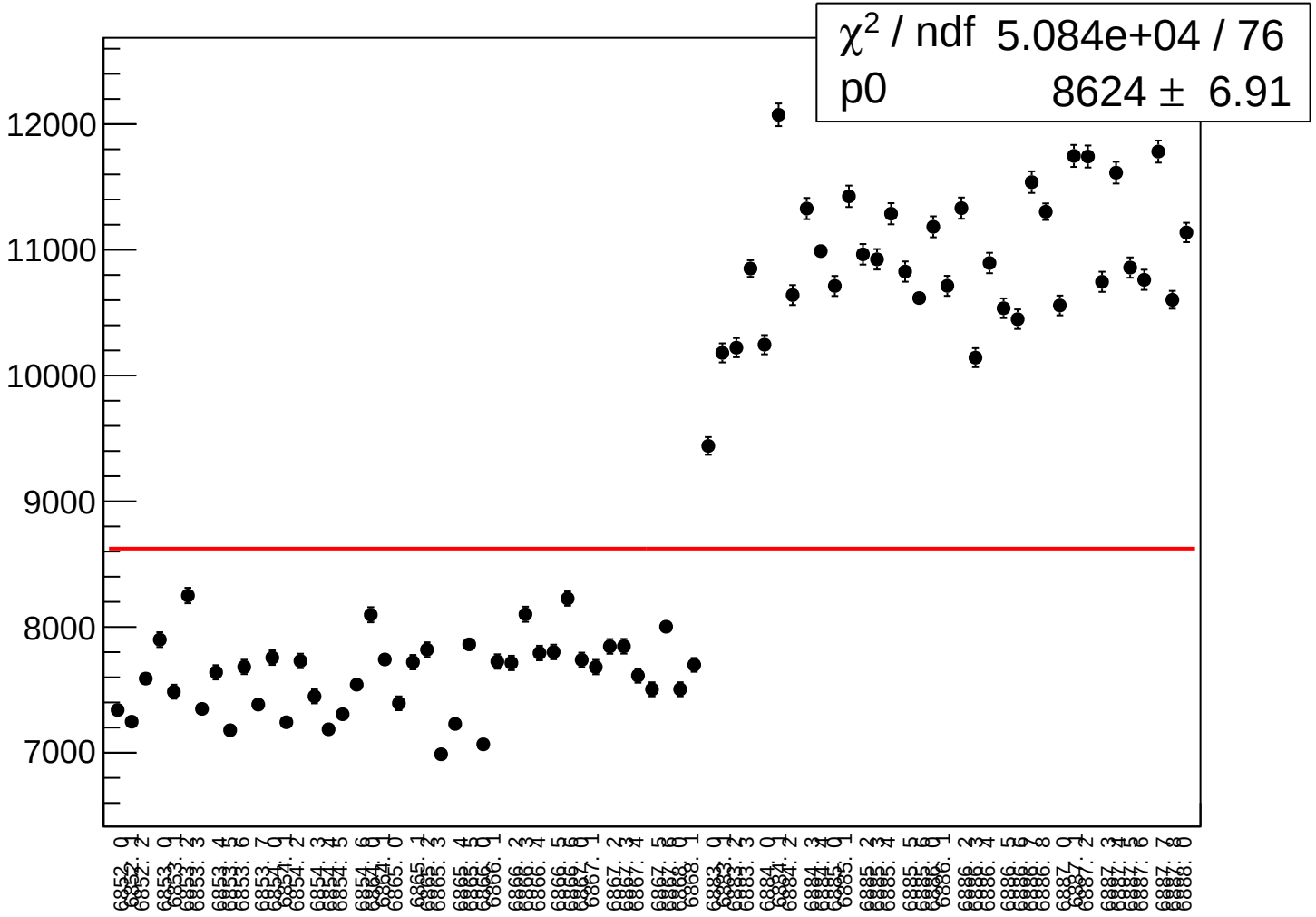

pull1D
Entries 77
Mean −0.01447
Std Dev 0.8936

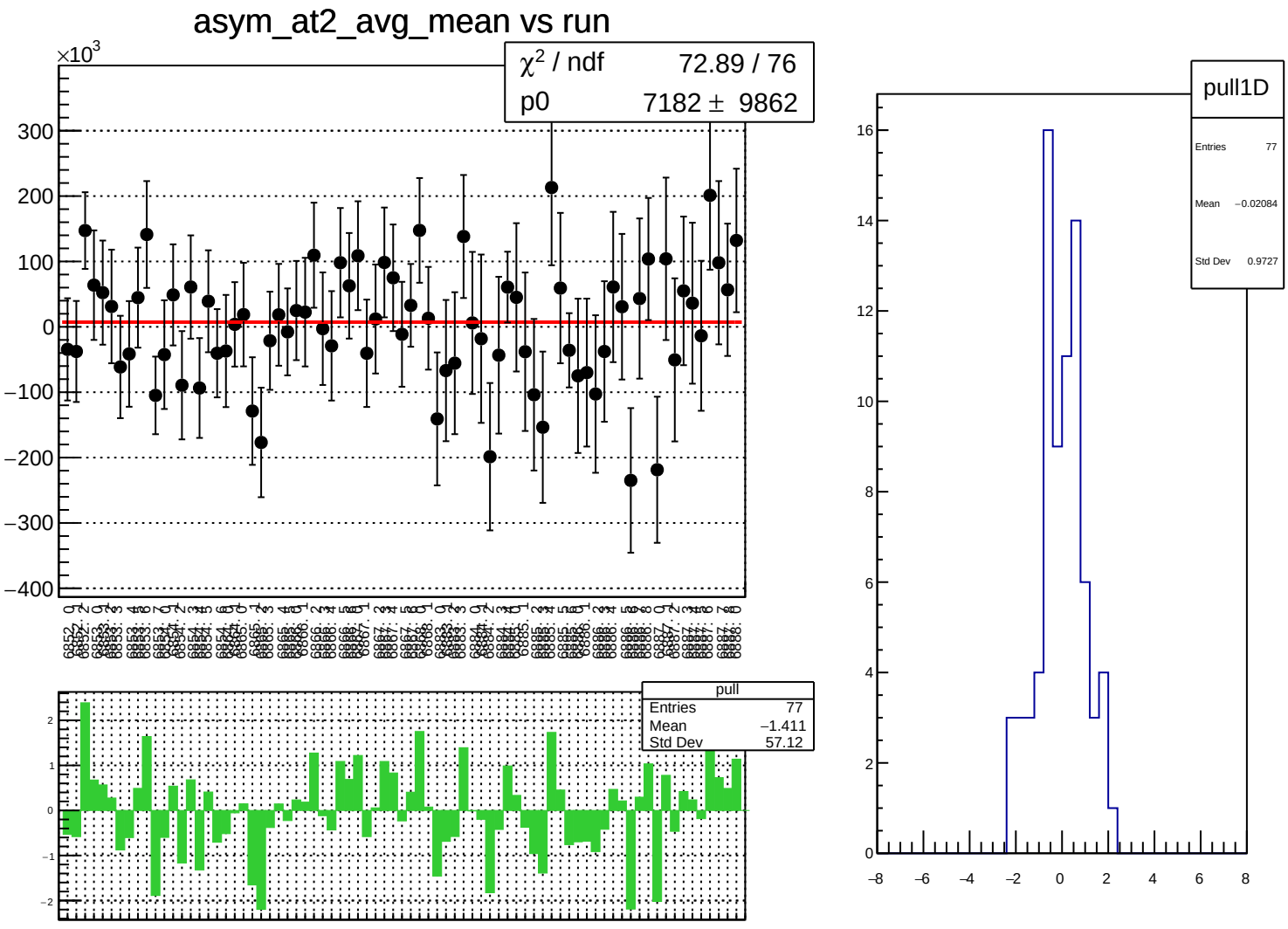

dit_asym_at2_avg_rms vs run
χ^2 / ndf 4479 / 76
p0 2164 ± 1.709
3000
2800
2600
2400
2200
2000

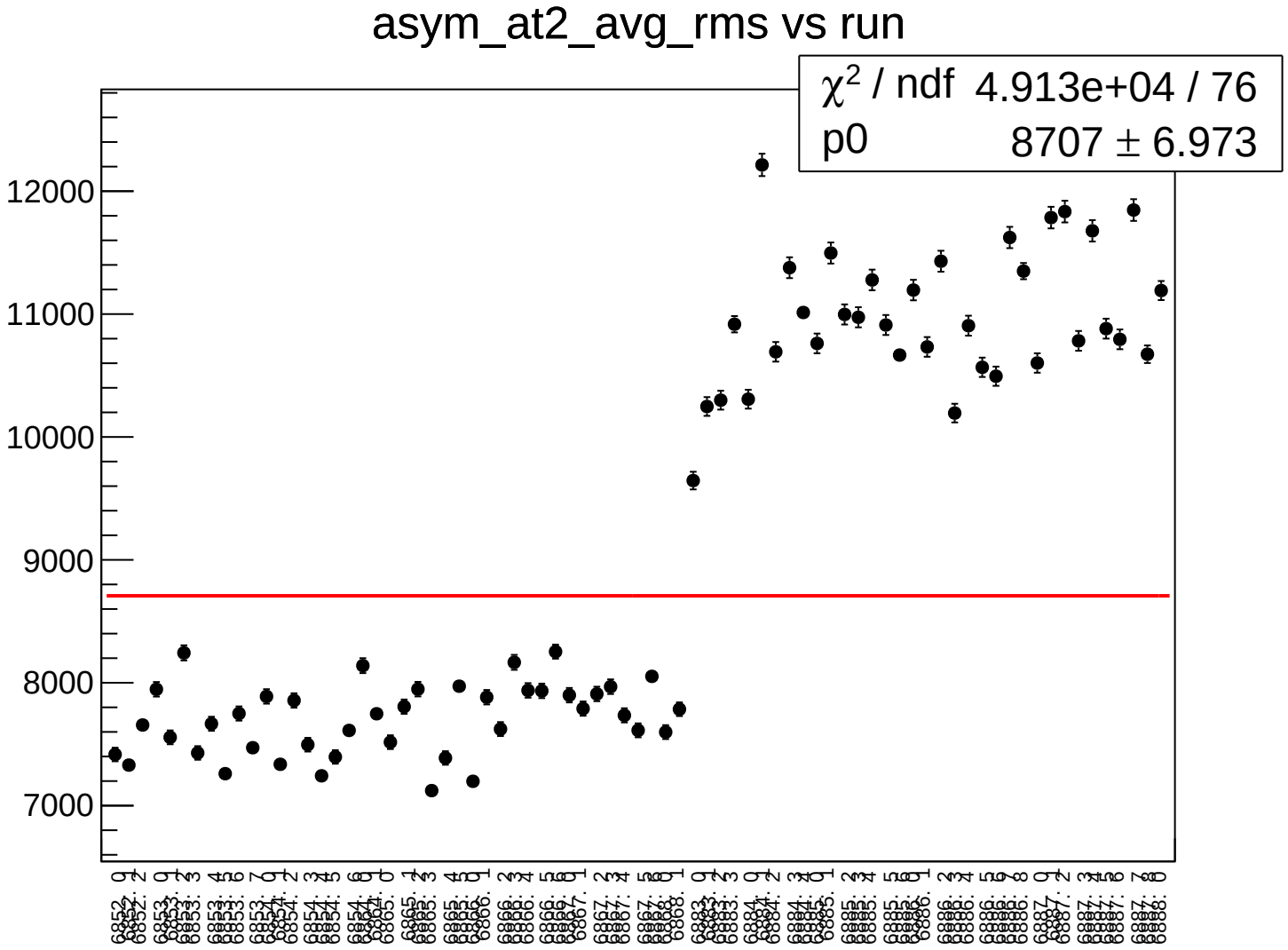

asym_at2_avg_correction_mean vs run
×10^3
χ^2 / ndf 68.89 / 76
p0 −7043 ± 9772
pull
Entries 77
Mean −30.99
Std Dev 88.5

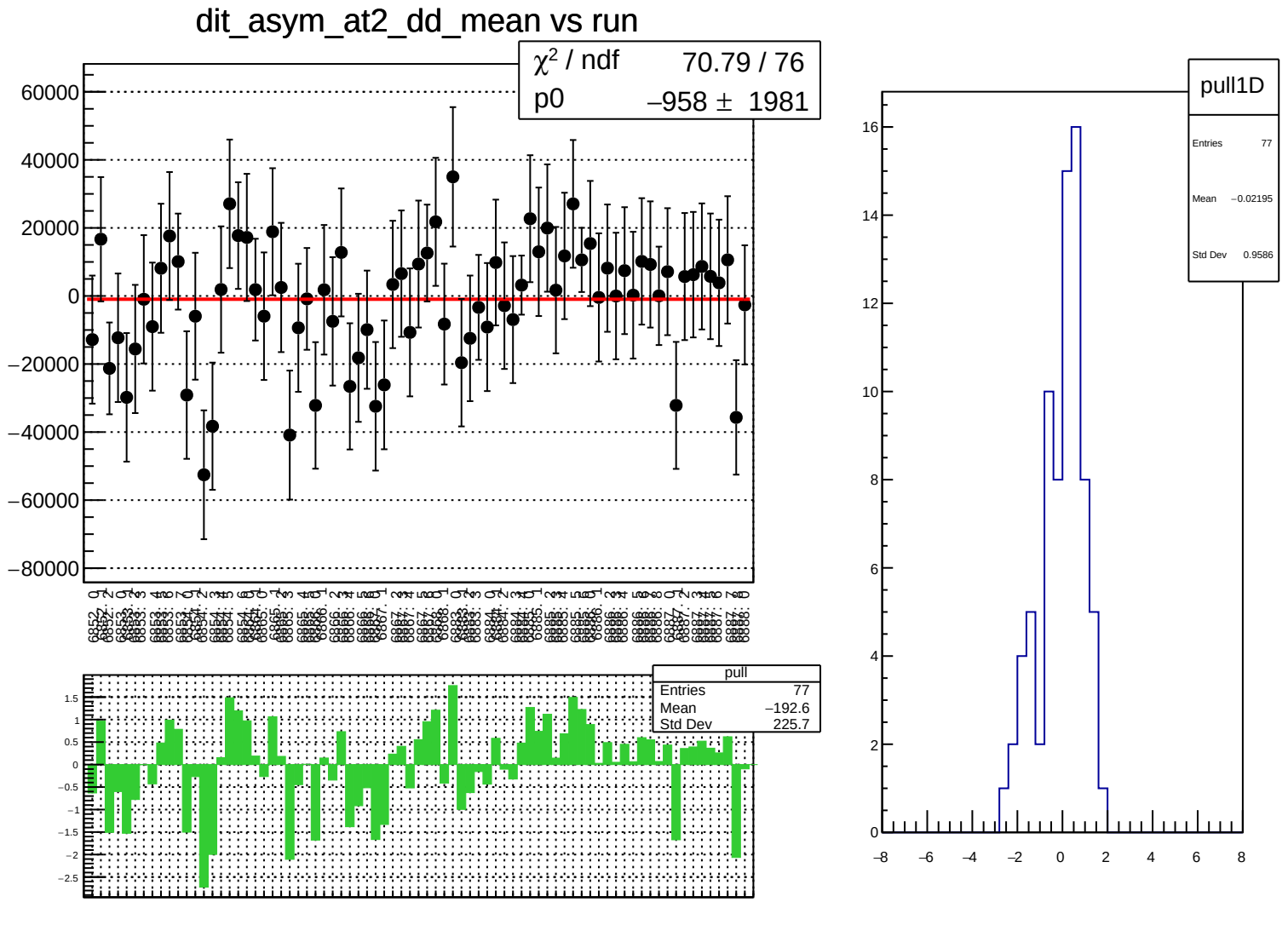

pull1D
Entries 77
Mean 0.01554
Std Dev 0.9457

asym_at2_avg_correction_rms vs run

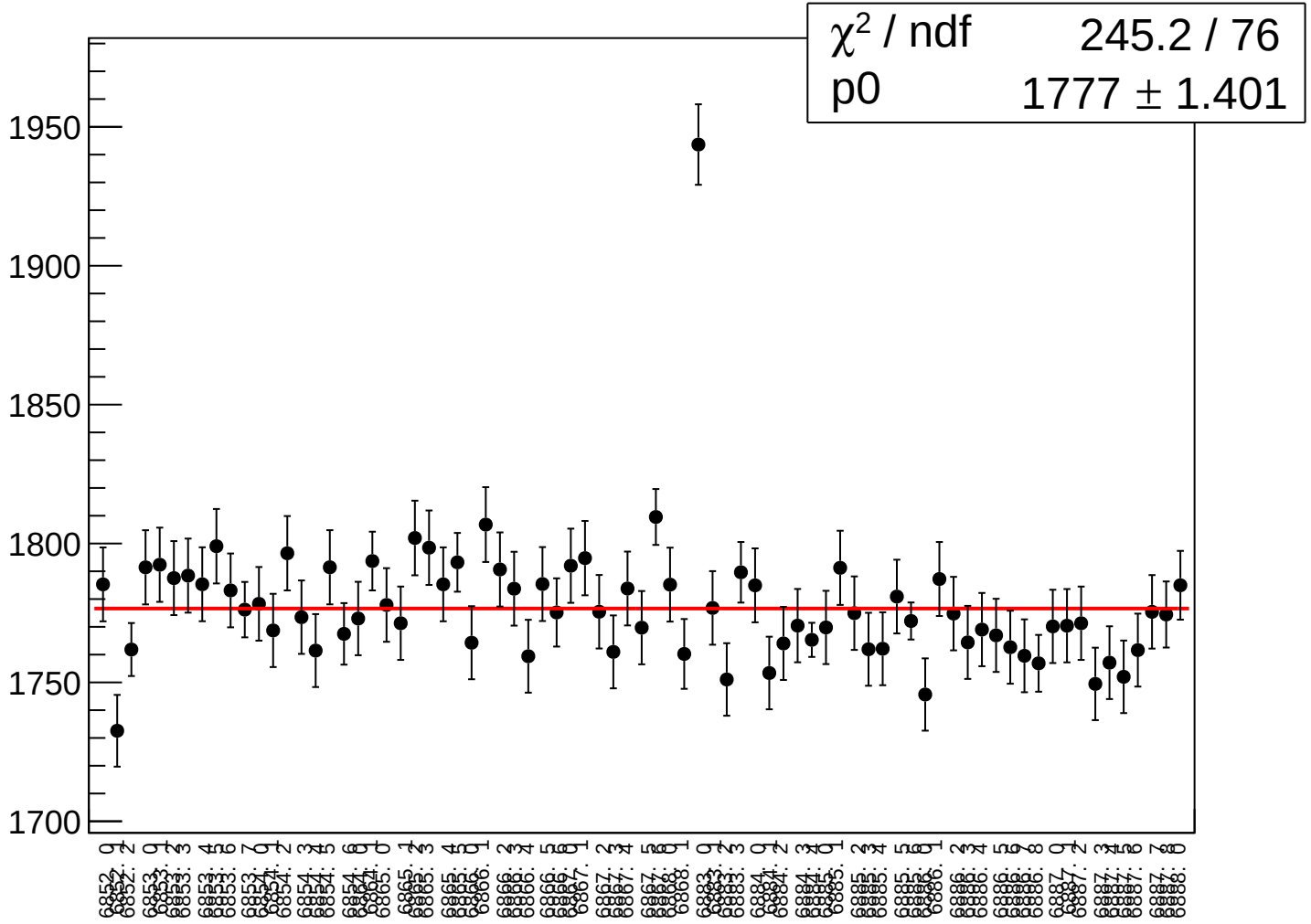


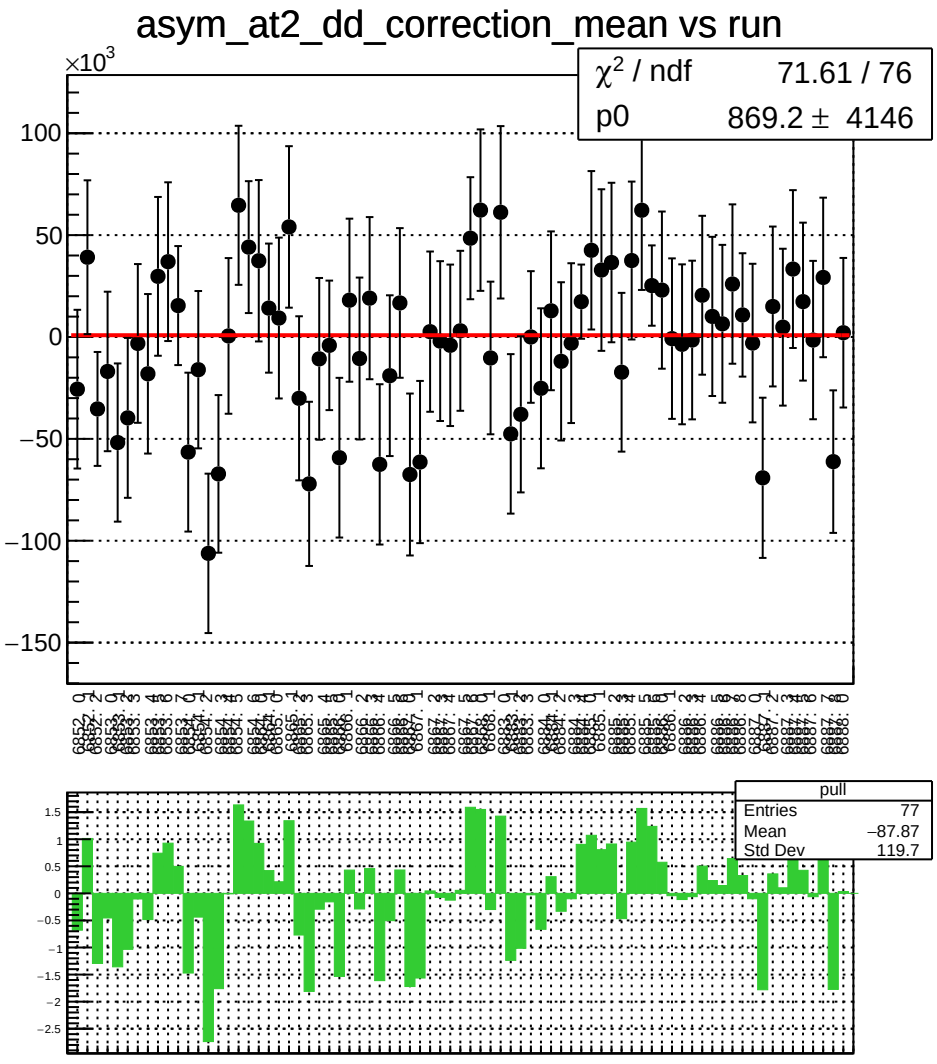

asym_at2_avg_mean vs run
χ^2 / ndf 72.89 / 76
p0 7182 ± 9862
×10^3
pull
Entries 77
Mean −1.411
Std Dev 57.12
pull1D
Entries 77
Mean −0.02084
Std Dev 0.9727

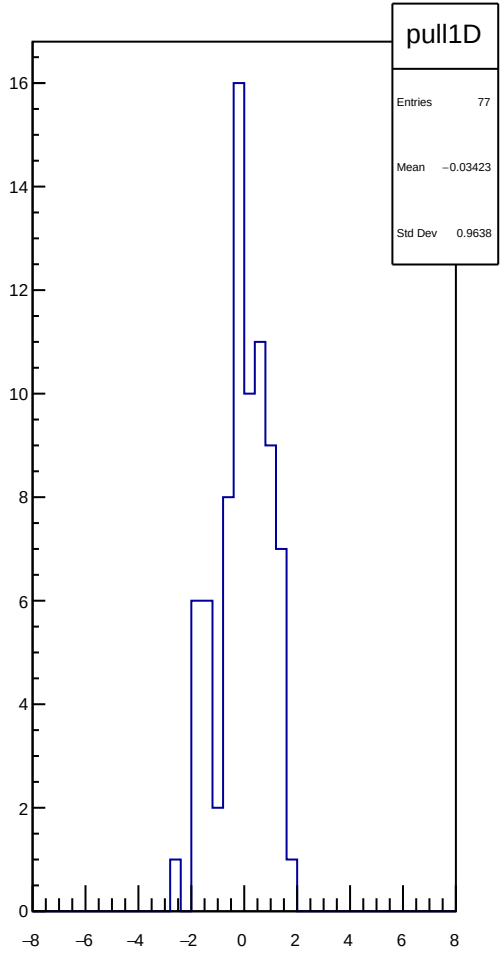

asym_at2_avg_rms vs run
χ² / ndf 4.913e+04 / 76
p0 8707 ± 6.973
12000
11000
10000
9000
8000
7000


dit_asym_at2_dd_mean vs run
χ² / ndf 70.79 / 76
p0 −958 ± 1981
pull
Entries 77
Mean −192.6
Std Dev 225.7
pull1D
Entries 77
Mean −0.02195
Std Dev 0.9586

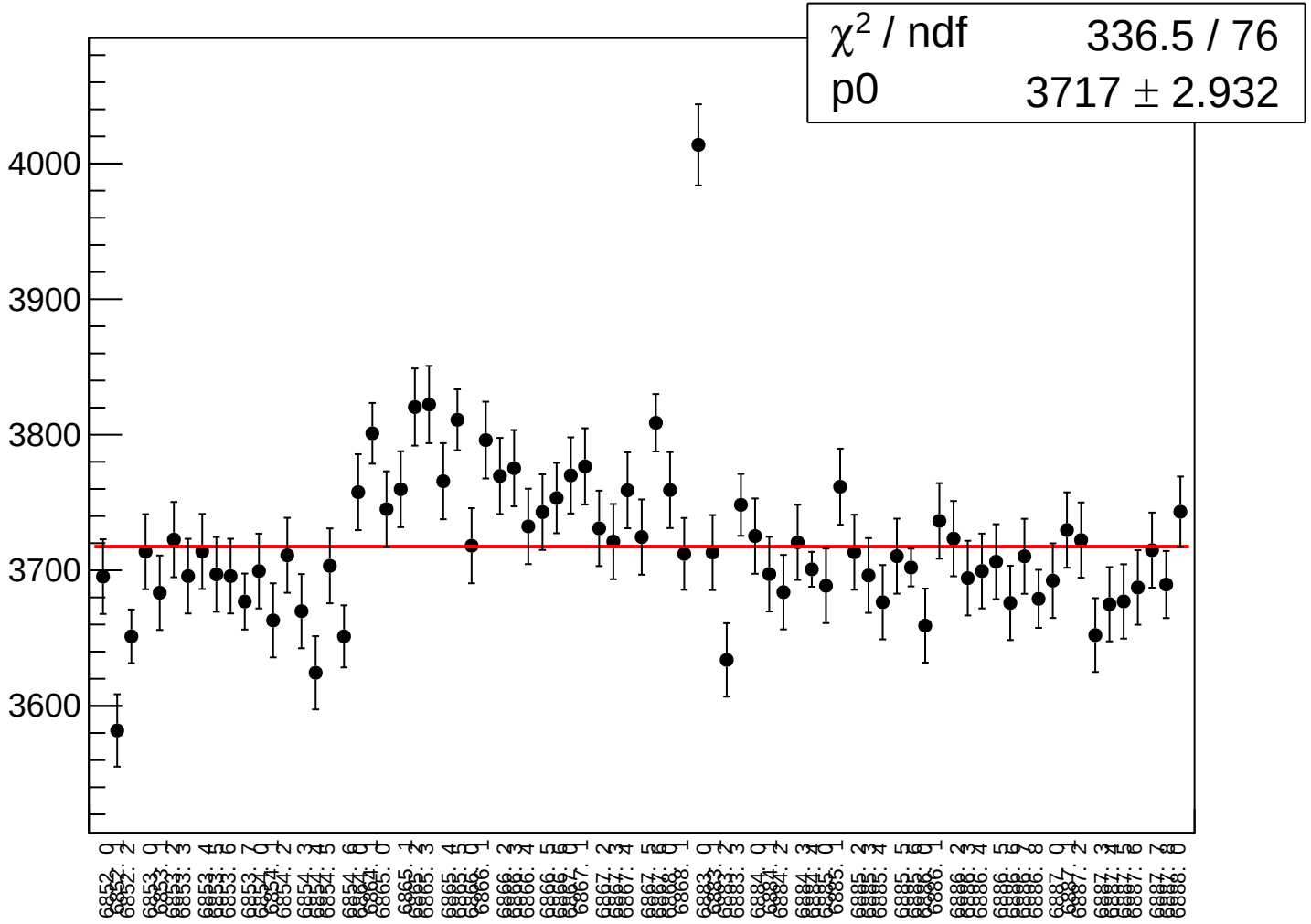
dit_asym_at2_dd_rms vs run

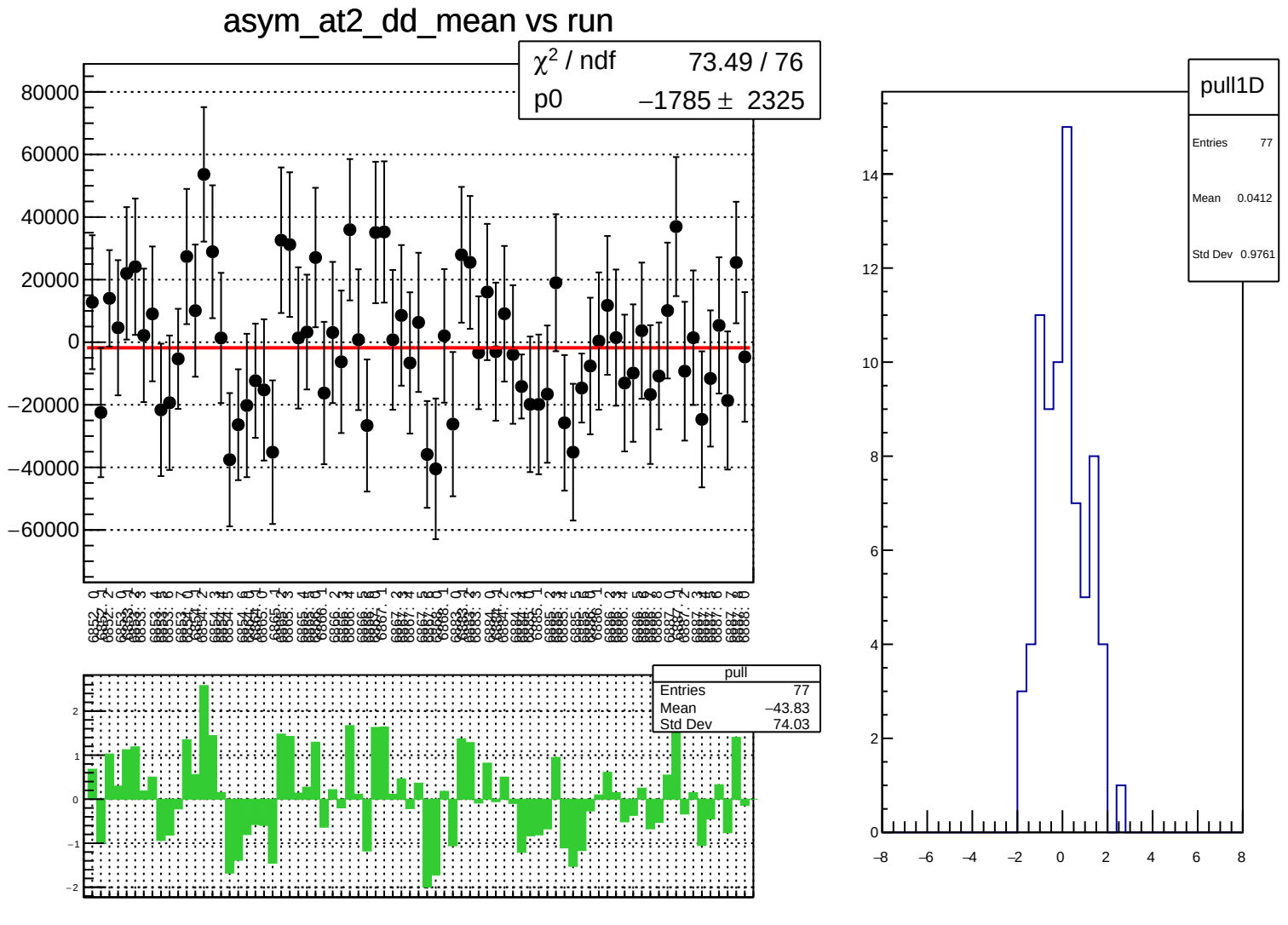


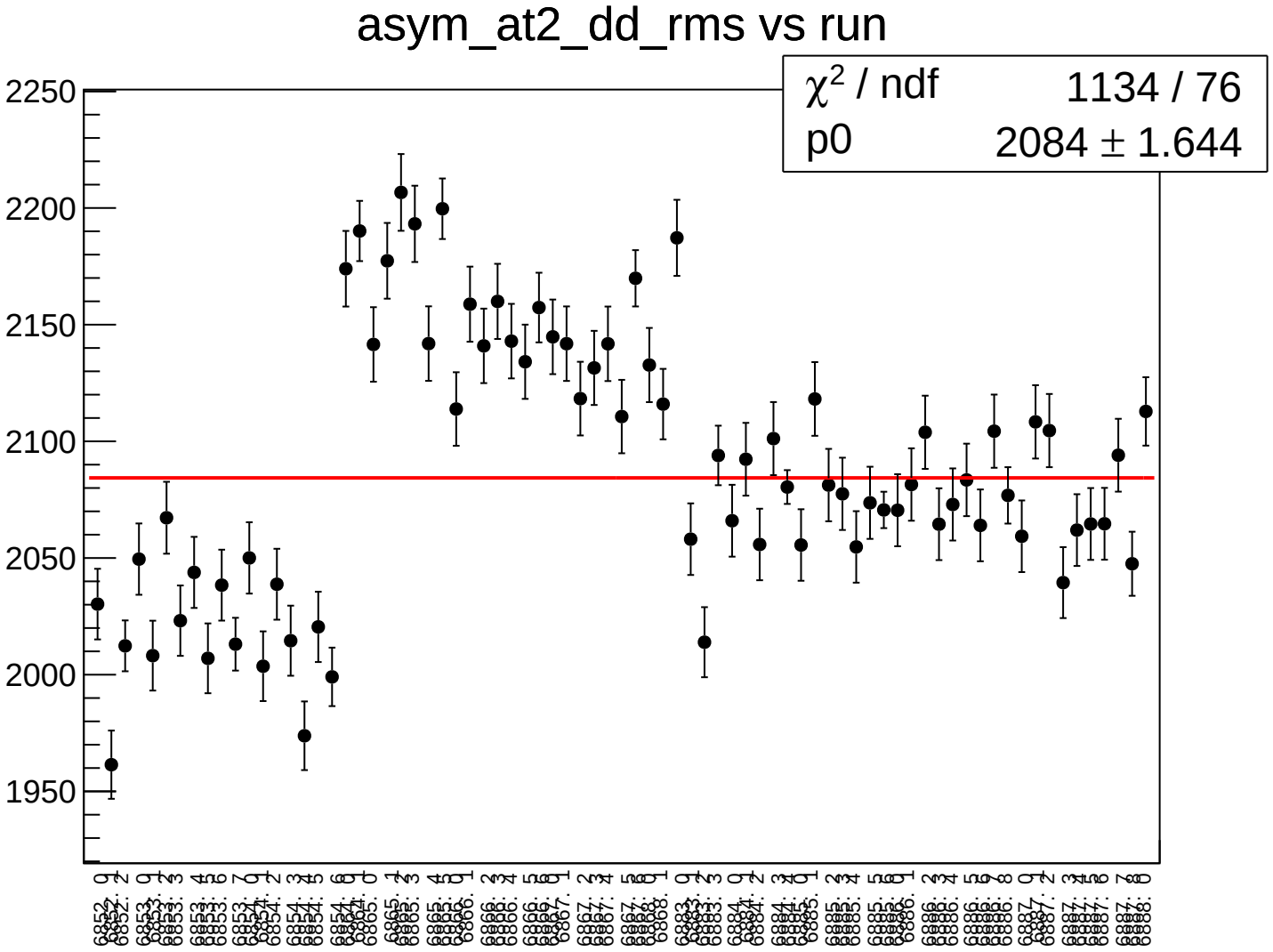

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 71.61 / 76
p0 869.2 ± 4146
pull
Entries 77
Mean −87.87
Std Dev 119.7

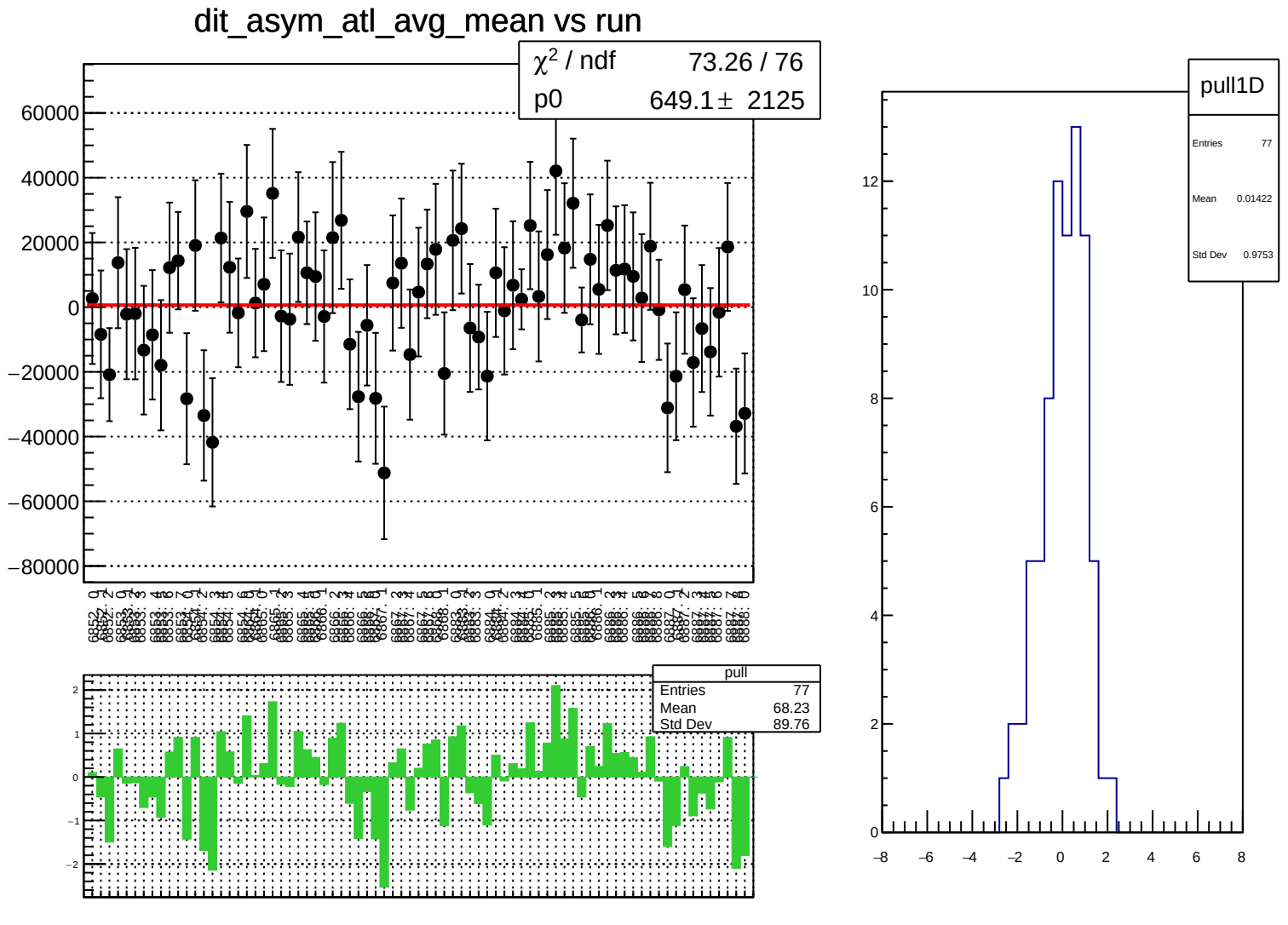

pull1D
Entries 77
Mean −0.03423
Std Dev 0.9638

asym_at2_dd_correction_rms vs run

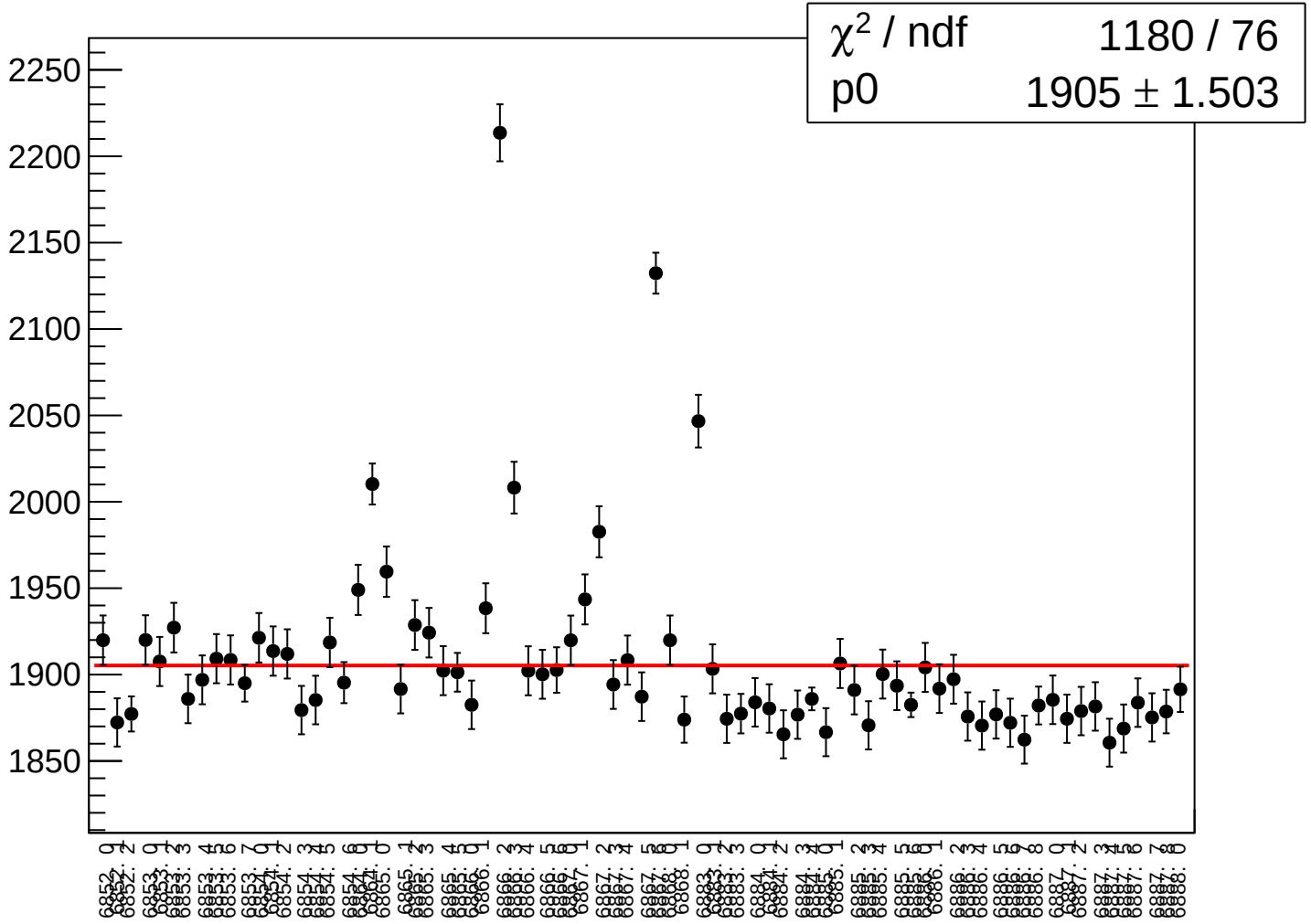


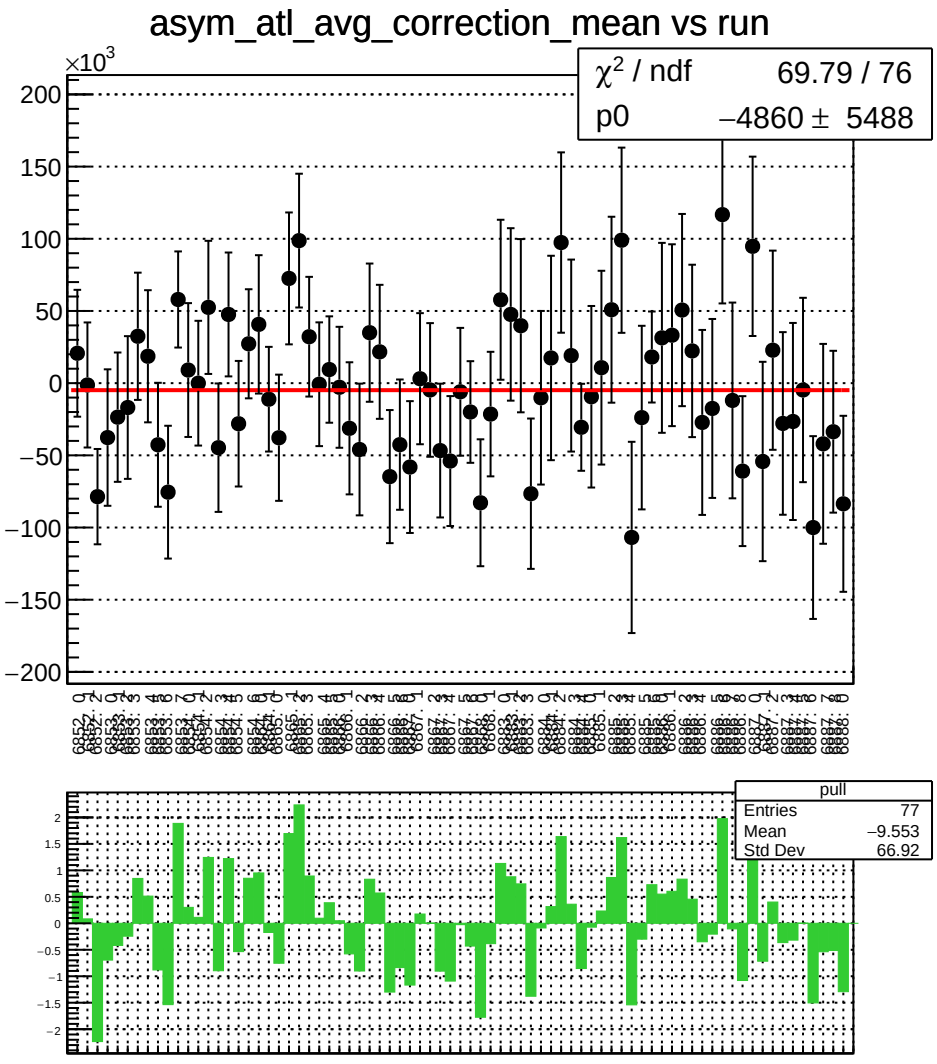

asym_at2_dd_mean vs run
χ² / ndf 73.49 / 76
p0 −1785 ± 2325
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean −43.83
Std Dev 74.03
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.0412
Std Dev 0.9761
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

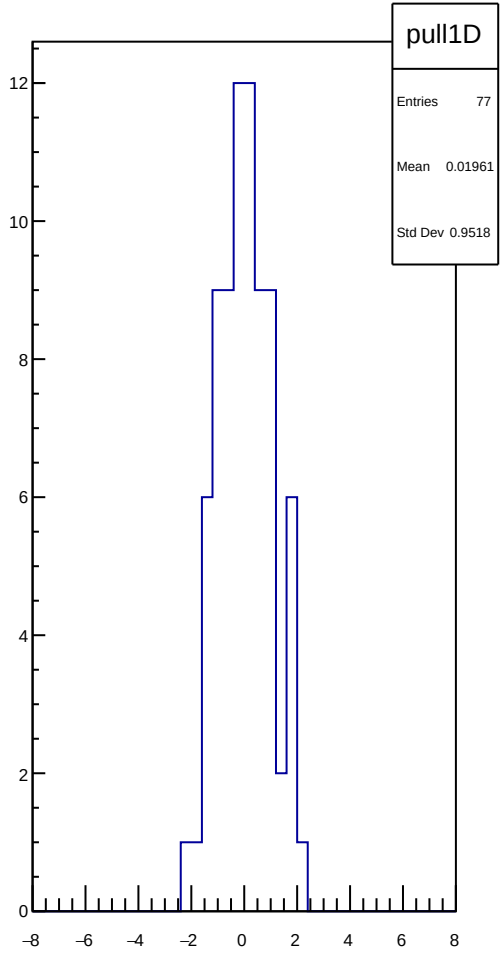

asym_at2_dd_rms vs run
χ² / ndf 1134 / 76
p0 2084 ± 1.644
2250
2200
2150
2100
2050
2000
1950

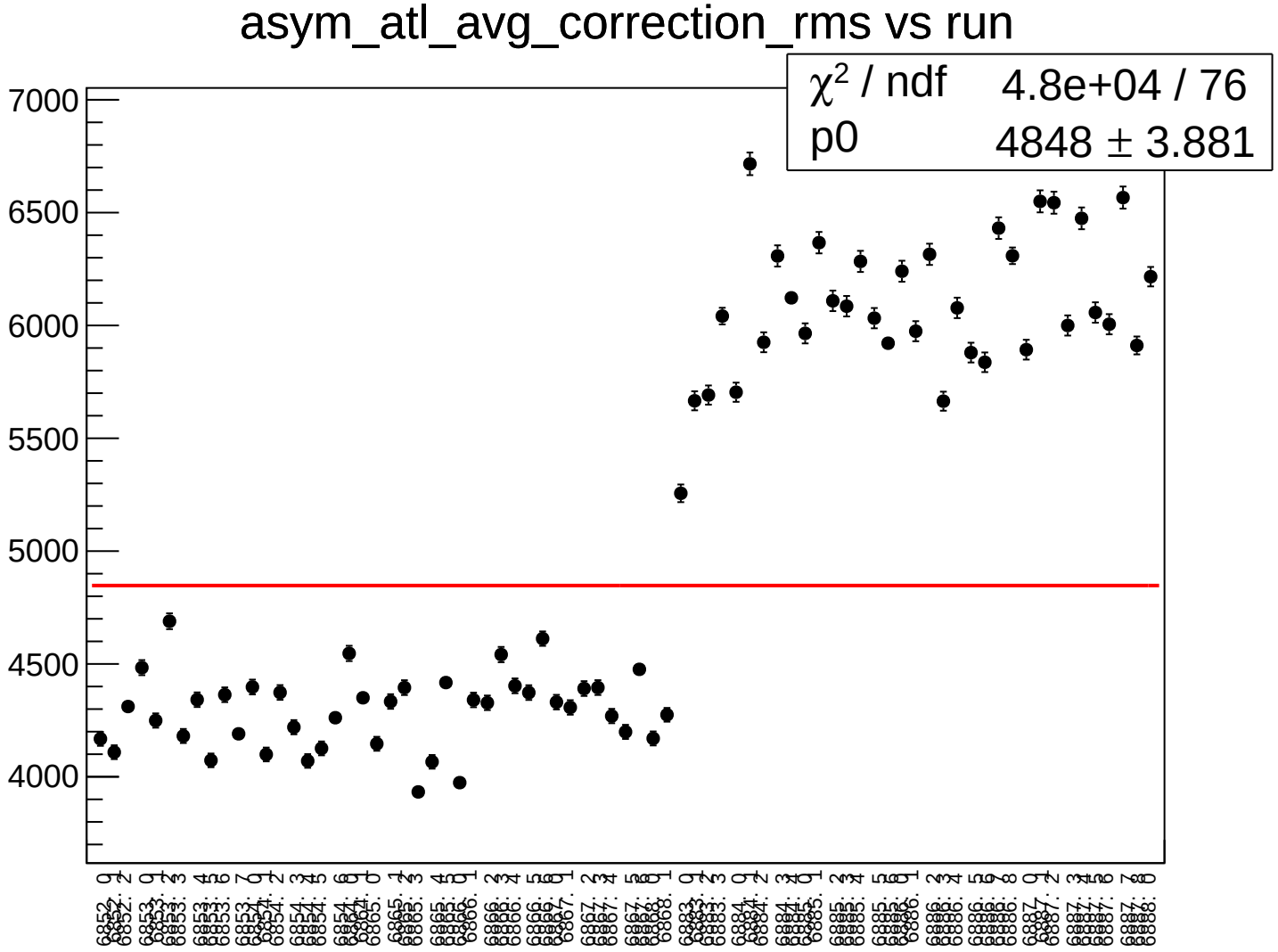

dit_asym_atl_avg_mean vs run
χ² / ndf 73.26 / 76
p0 649.1 ± 2125
pull
Entries 77
Mean 68.23
Std Dev 89.76
pull1D
Entries 77
Mean 0.01422
Std Dev 0.9753

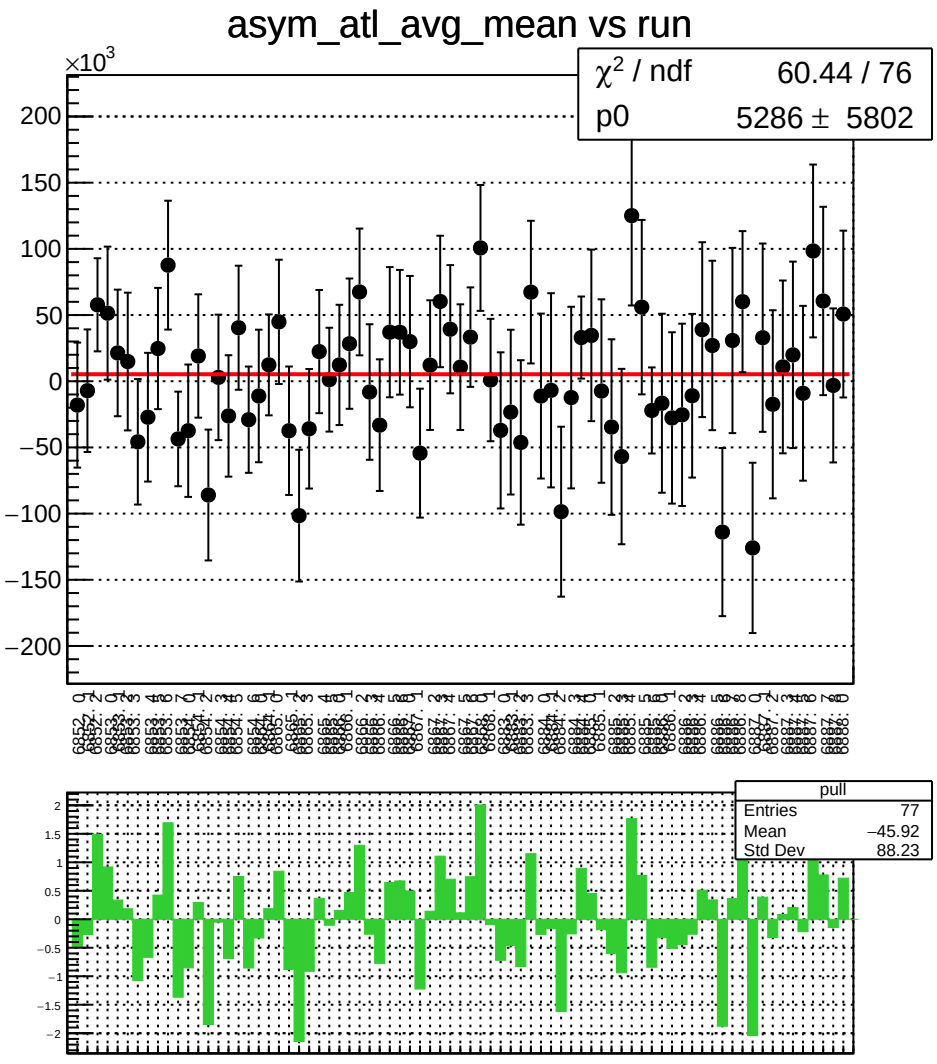
dit_asym_atl_avg_rms vs run

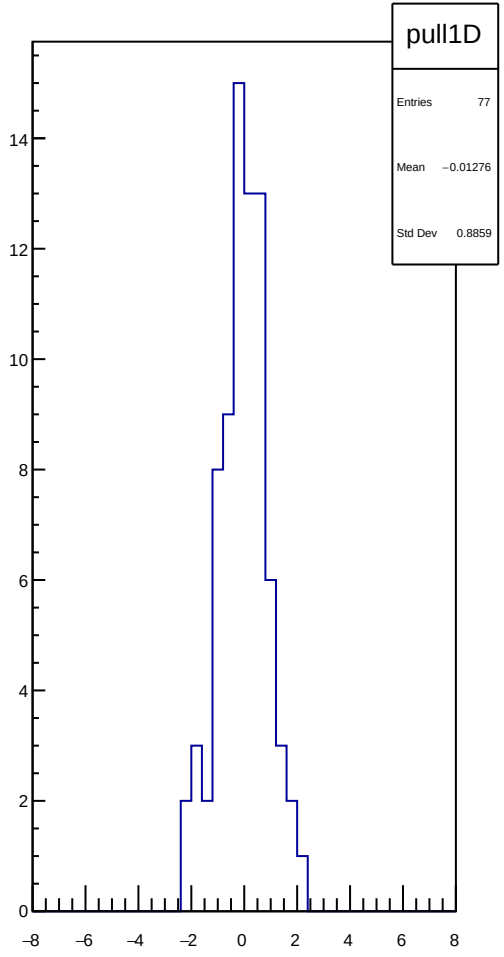


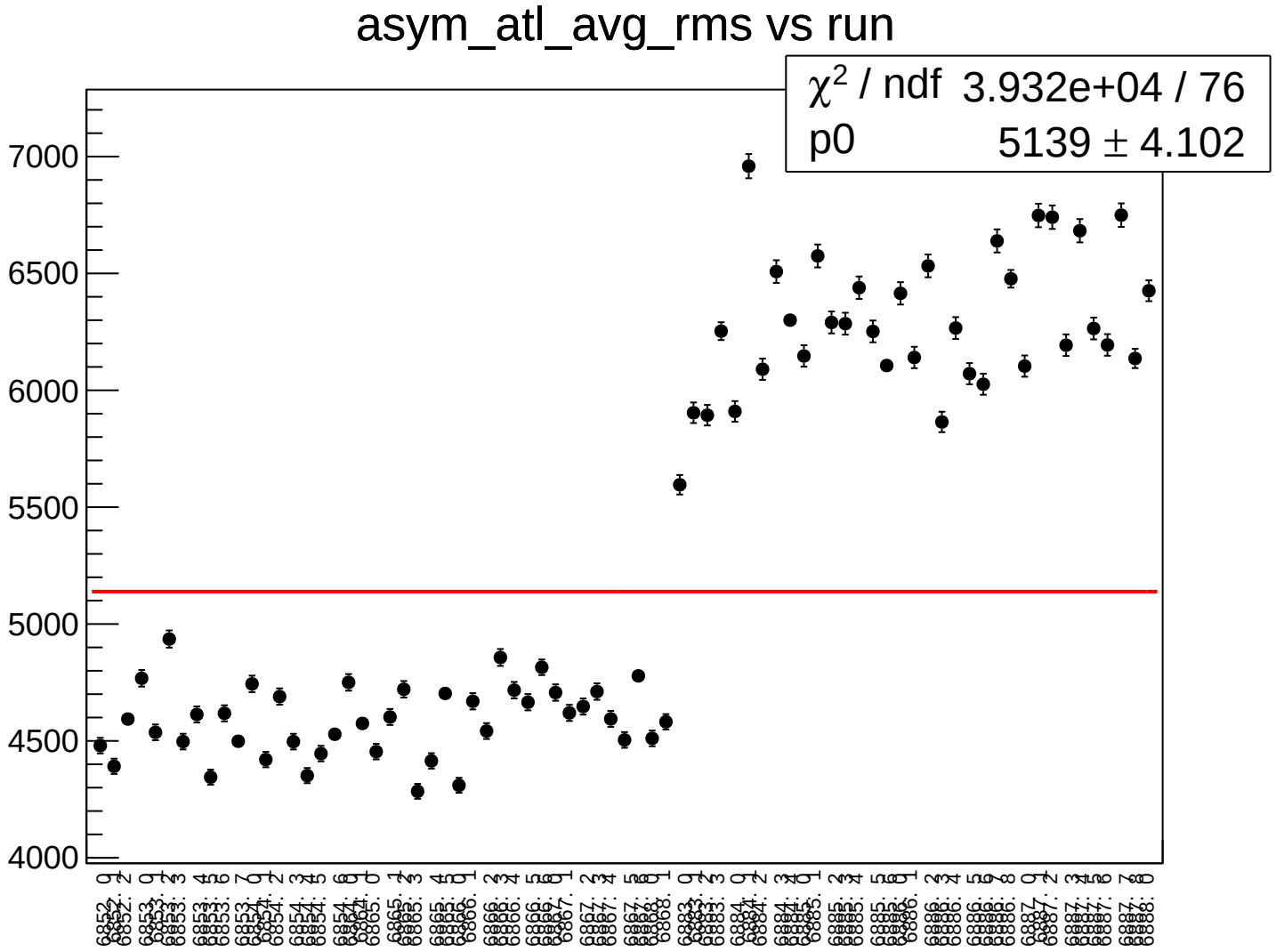

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 69.79 / 76
p0 −4860 ± 5488
pull
Entries 77
Mean −9.553
Std Dev 66.92

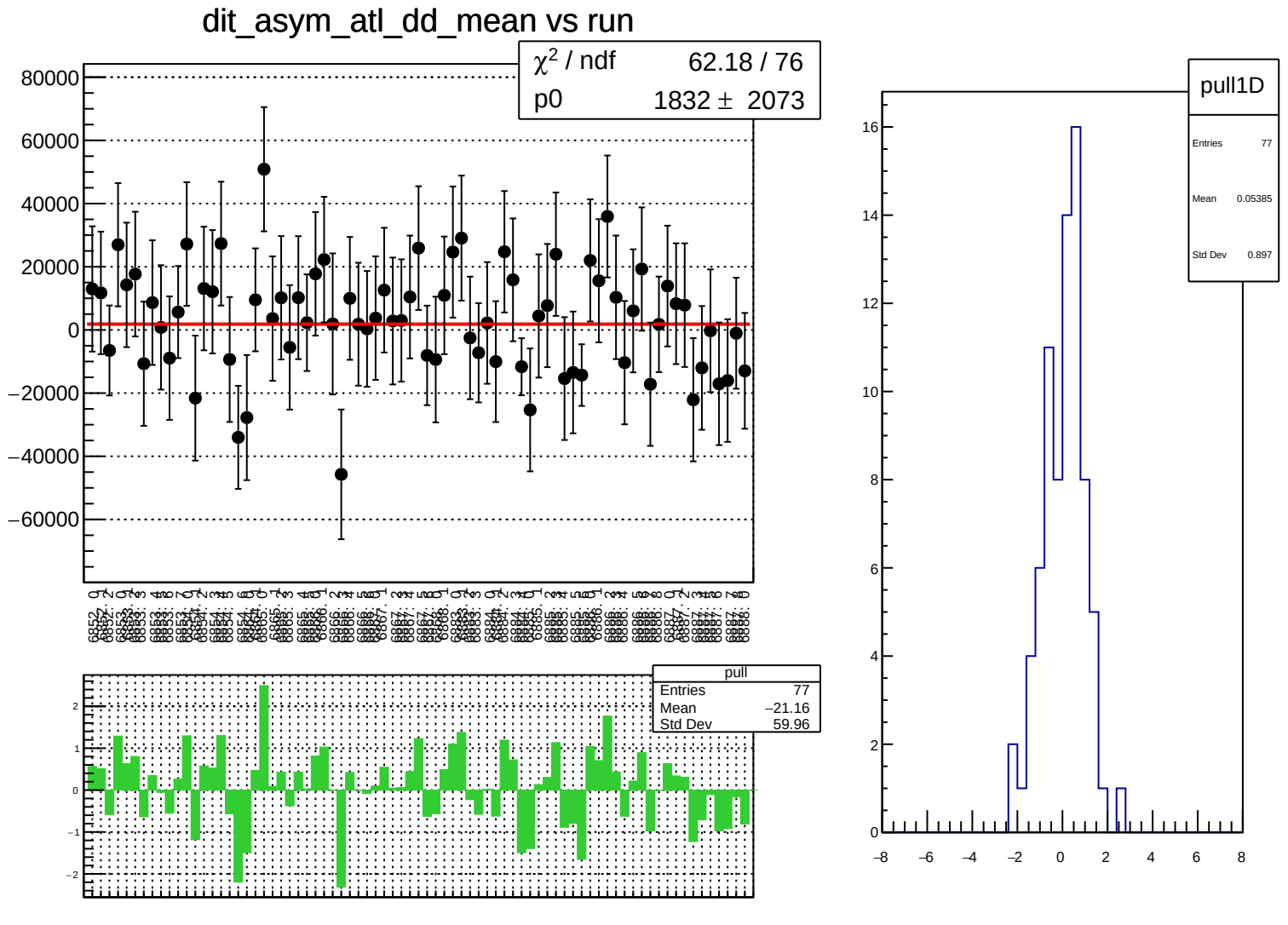

pull1D
Entries 77
Mean 0.01961
Std Dev 0.9518

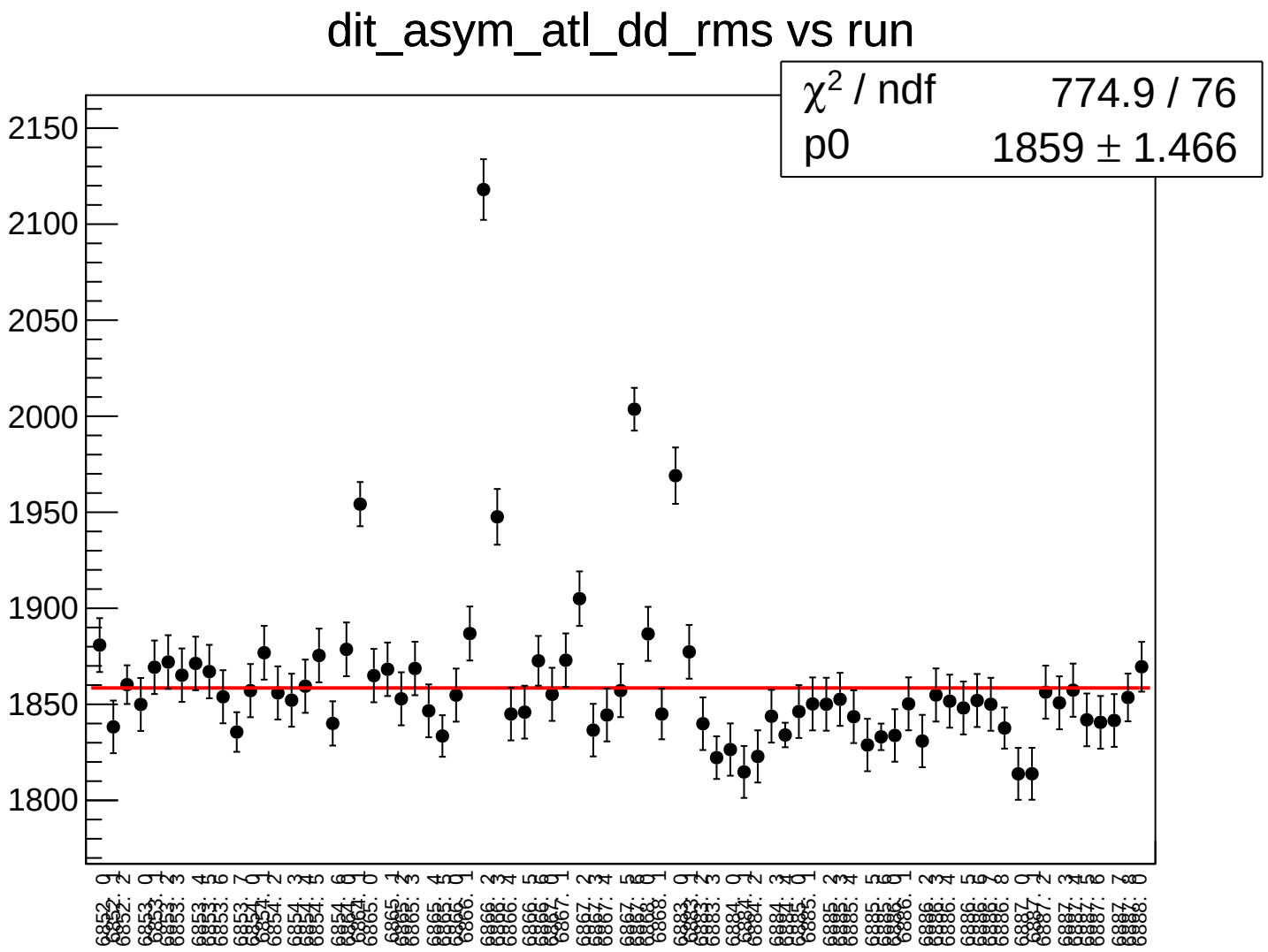

asym_atl_avg_correction_rms vs run
χ² / ndf 4.8e+04 / 76
p0 4848 ± 3.881
7000
6500
6000
5500
5000
4500
4000

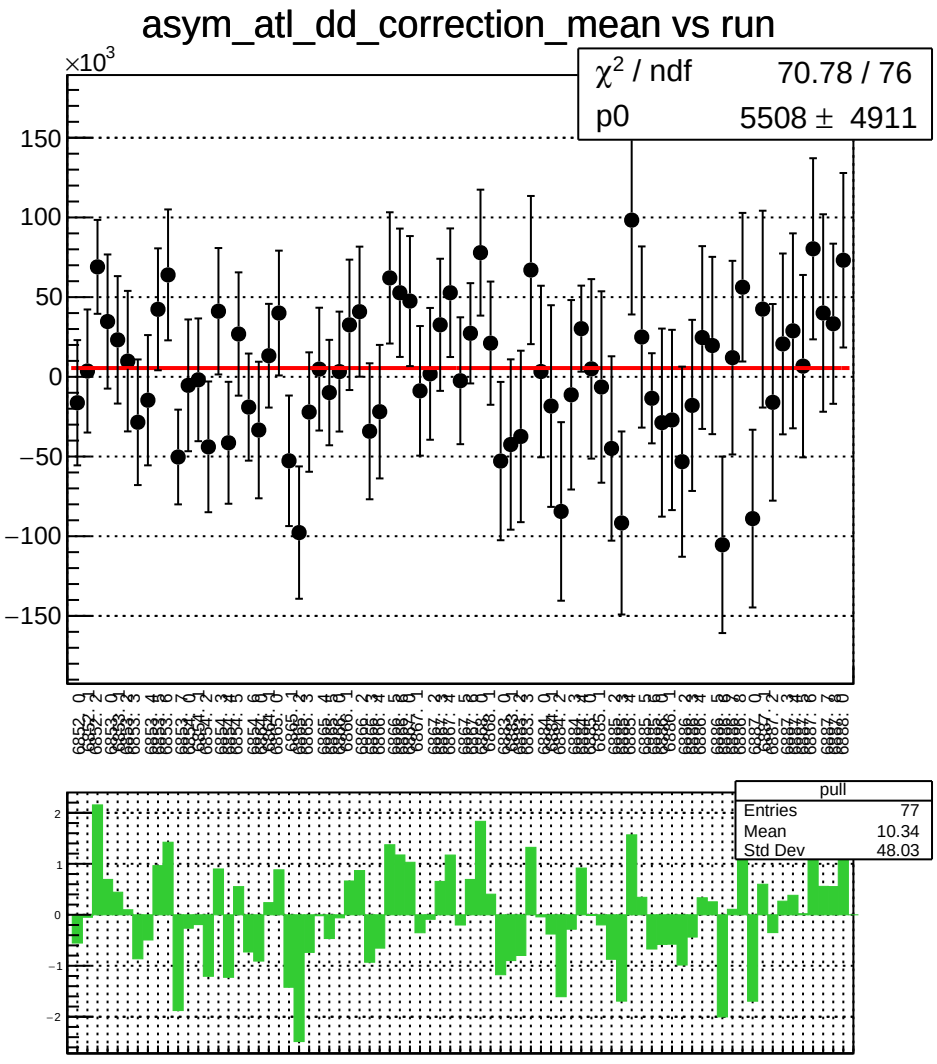

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 60.44 / 76
p0 5286 ± 5802
pull
Entries 77
Mean −45.92
Std Dev 88.23

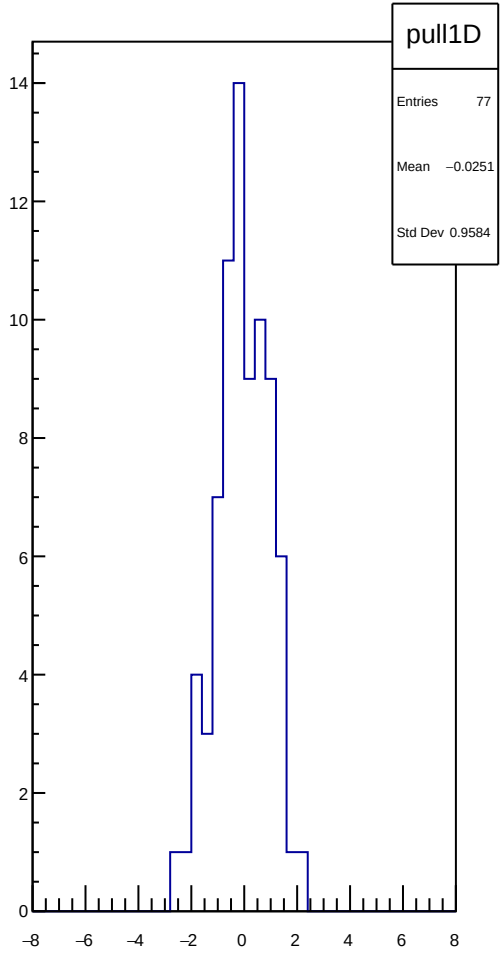

pull1D
Entries 77
Mean −0.01276
Std Dev 0.8859

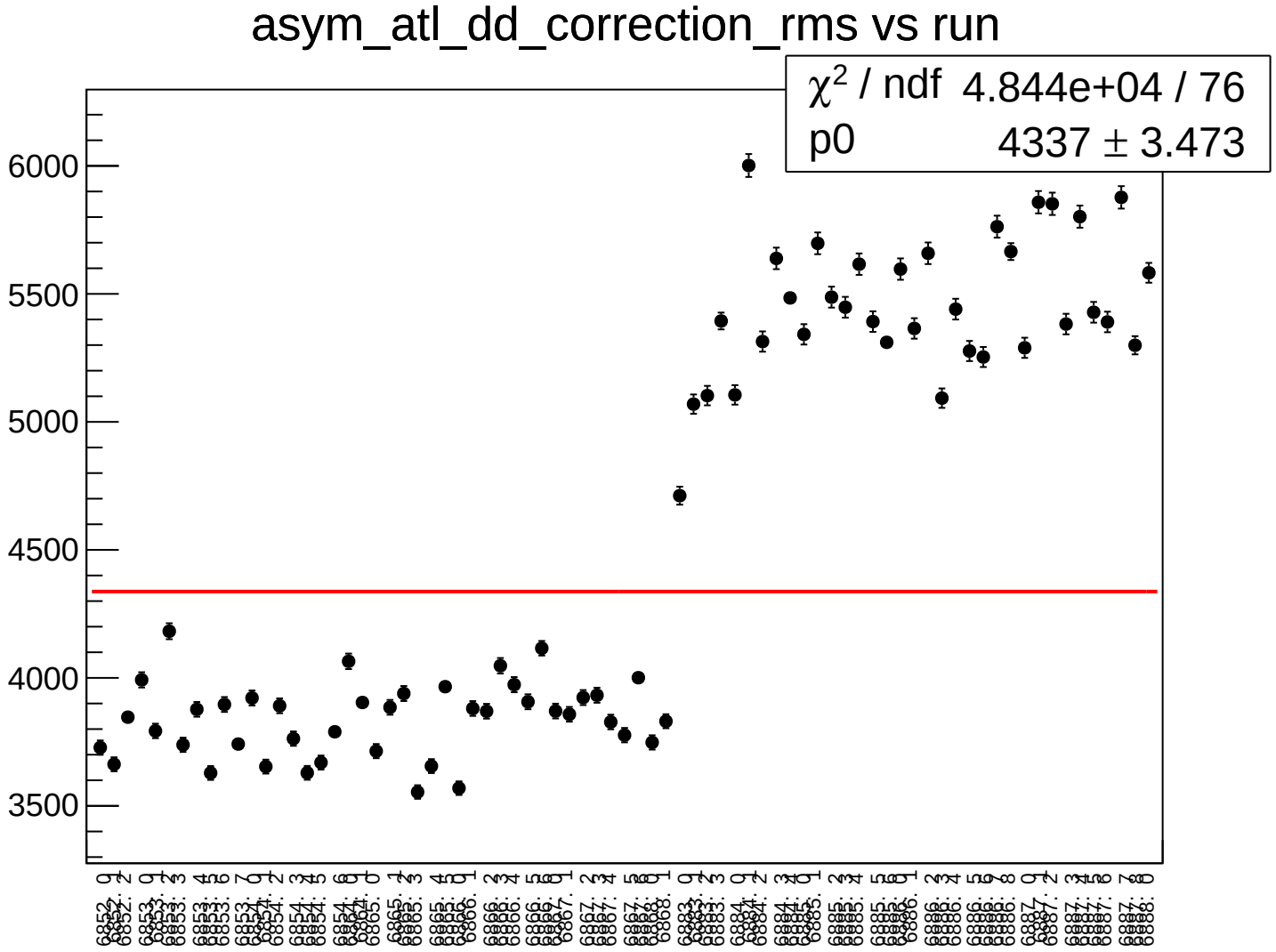

asym_atl_avg_rms vs run
χ² / ndf 3.932e+04 / 76
p0 5139 ± 4.102
7000
6500
6000
5500
5000
4500
4000

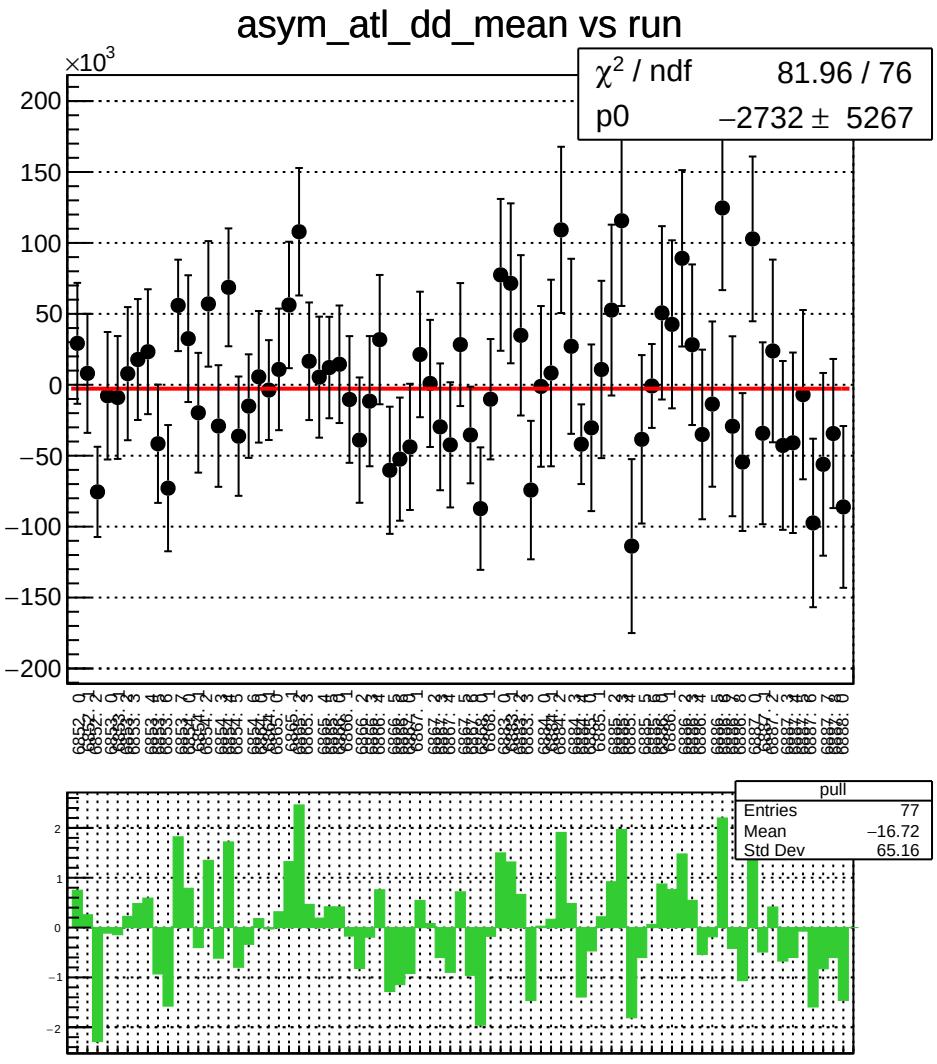

dit_asym_atl_dd_mean vs run
χ² / ndf 62.18 / 76
p0 1832 ± 2073
pull
Entries 77
Mean −21.16
Std Dev 59.96
pull1D
Entries 77
Mean 0.05385
Std Dev 0.897

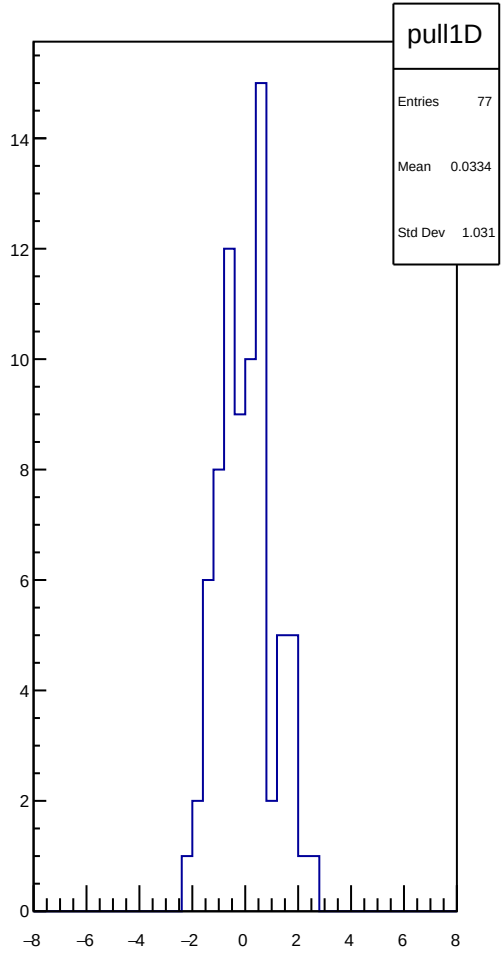

dit_asym_atl_dd_rms vs run
χ^2 / ndf 774.9 / 76
p0 1859 ± 1.466
2150
2100
2050
2000
1950
1900
1850
1800

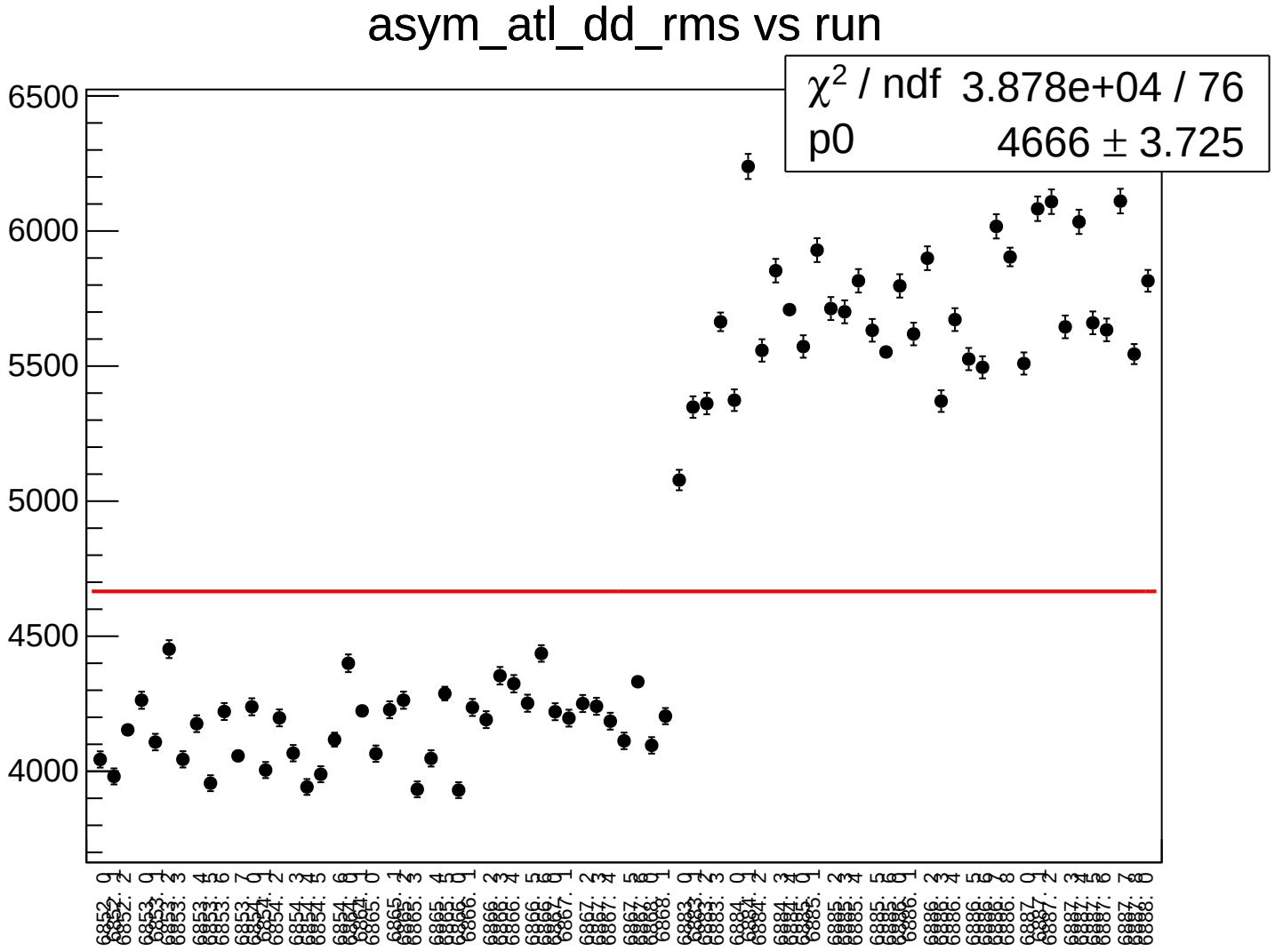

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 70.78 / 76
p0 5508 ± 4911
pull
Entries 77
Mean 10.34
Std Dev 48.03

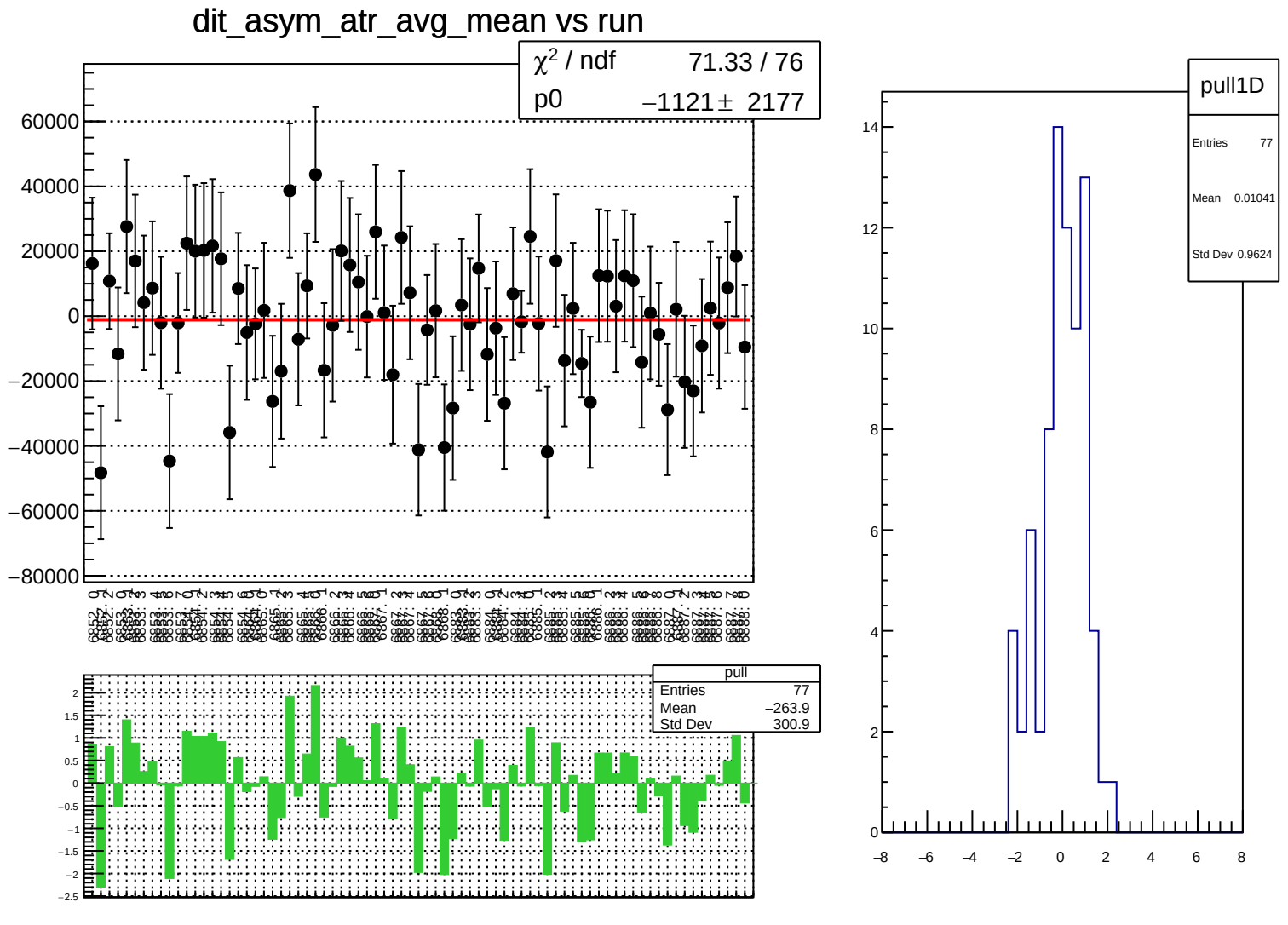

pull1D
Entries 77
Mean −0.0251
Std Dev 0.9584

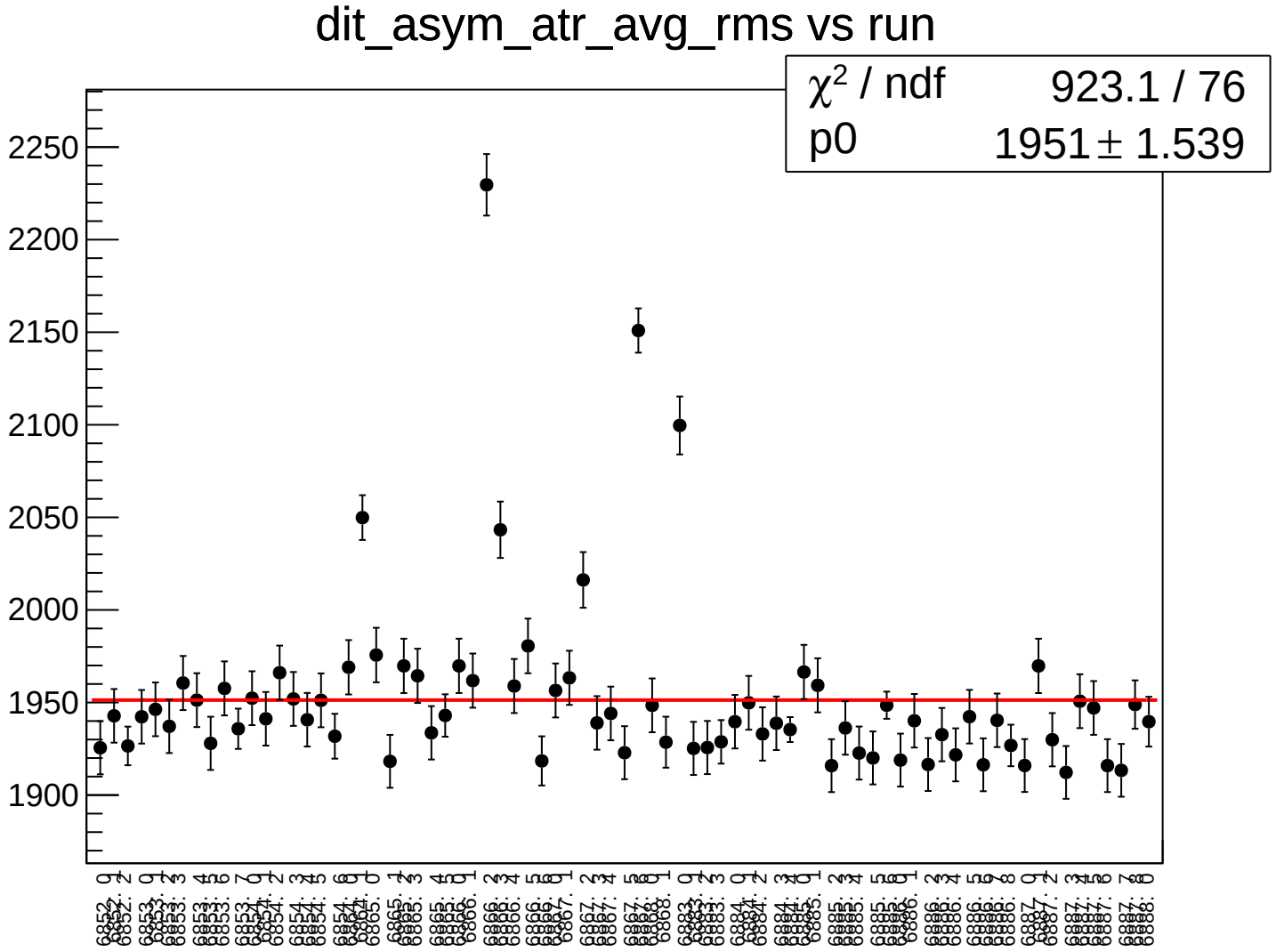

asym_atl_dd_correction_rms vs run
χ^2 / ndf 4.844e+04 / 76
p0 4337 ± 3.473
6000
5500
5000
4500
4000
3500

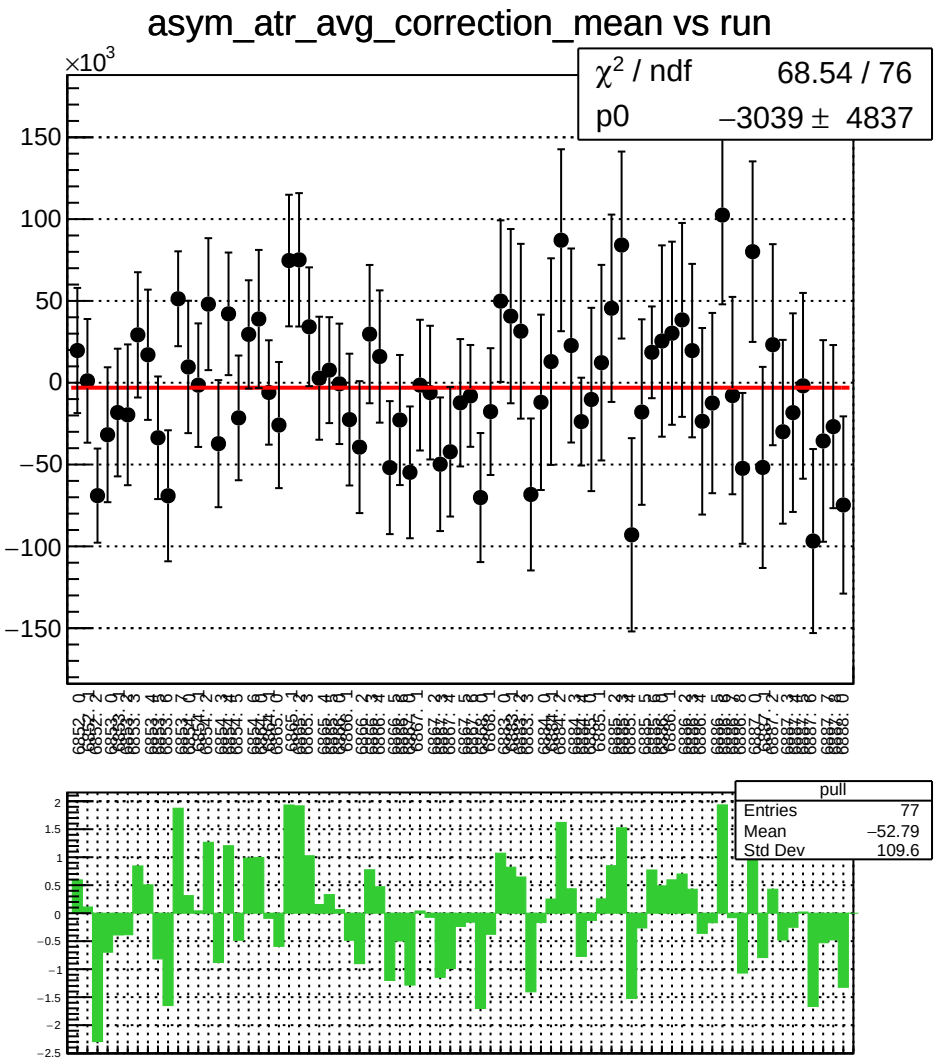

asym_atl_dd_mean vs run
×10^3
χ² / ndf 81.96 / 76
p0 −2732 ± 5267
pull
Entries 77
Mean −16.72
Std Dev 65.16

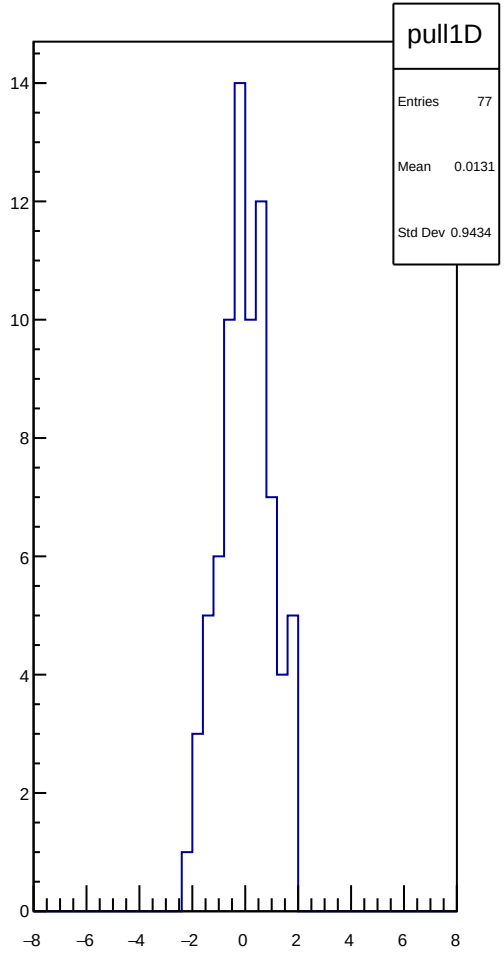

pull1D
Entries 77
Mean 0.0334
Std Dev 1.031

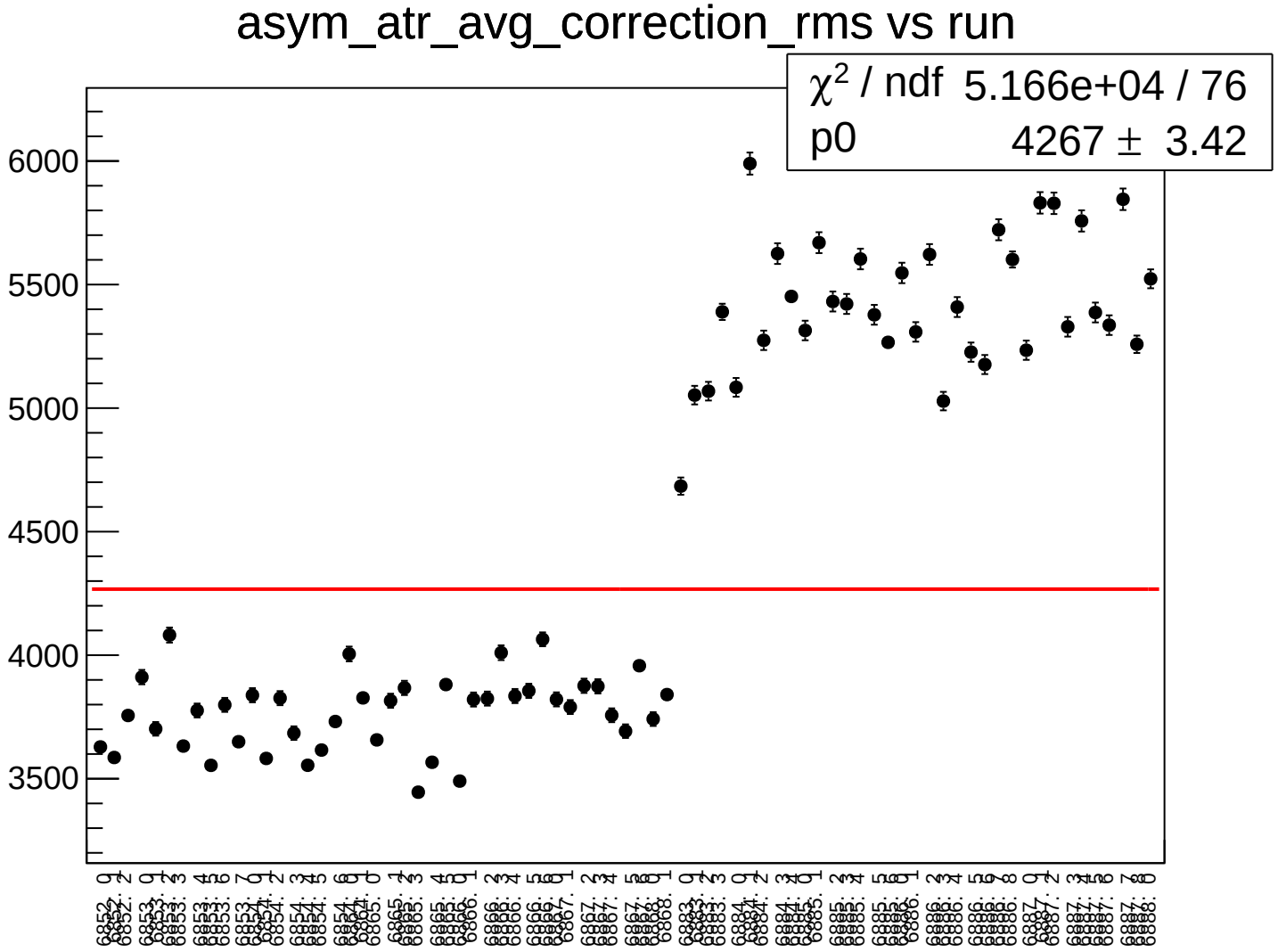

asym_atl_dd_rms vs run
χ² / ndf 3.878e+04 / 76
p0 4666 ± 3.725
6500
6000
5500
5000
4500
4000

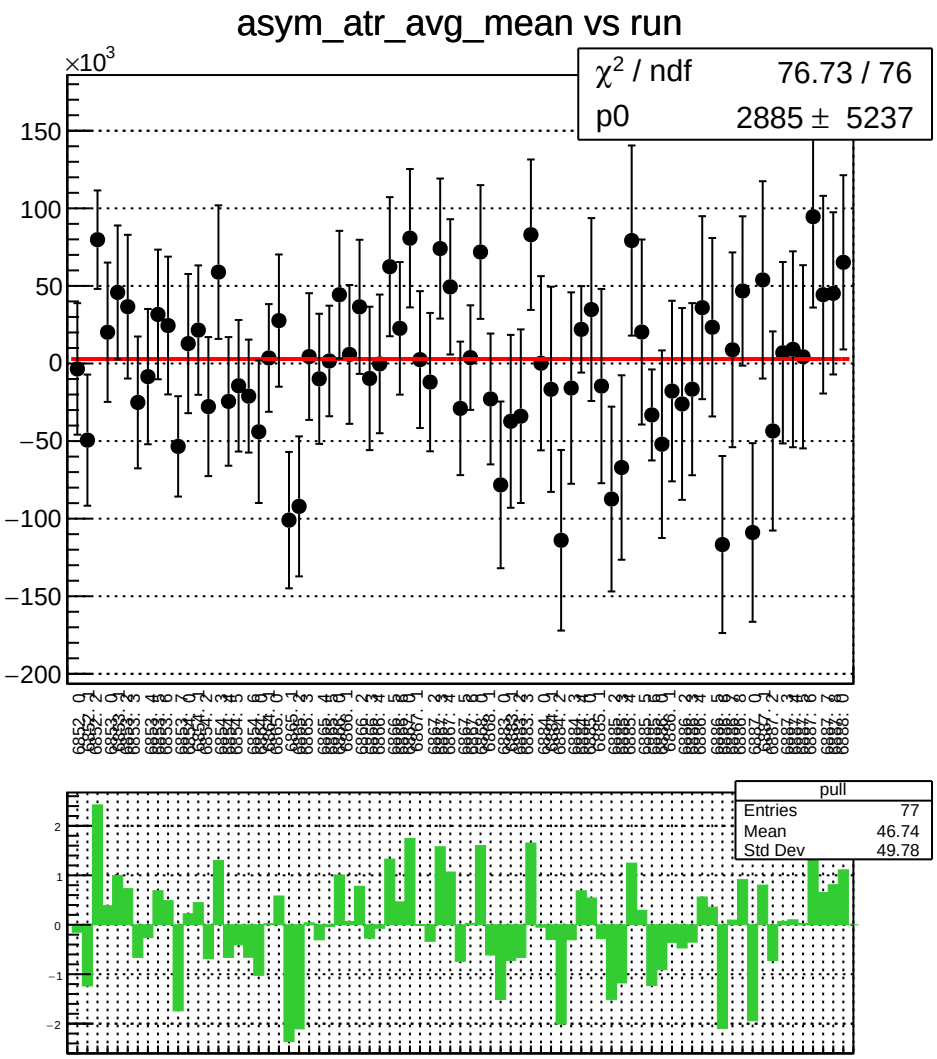

dit_asym_atr_avg_mean vs run
χ² / ndf 71.33 / 76
p0 −1121 ± 2177
pull
Entries 77
Mean −263.9
Std Dev 300.9
pull1D
Entries 77
Mean 0.01041
Std Dev 0.9624

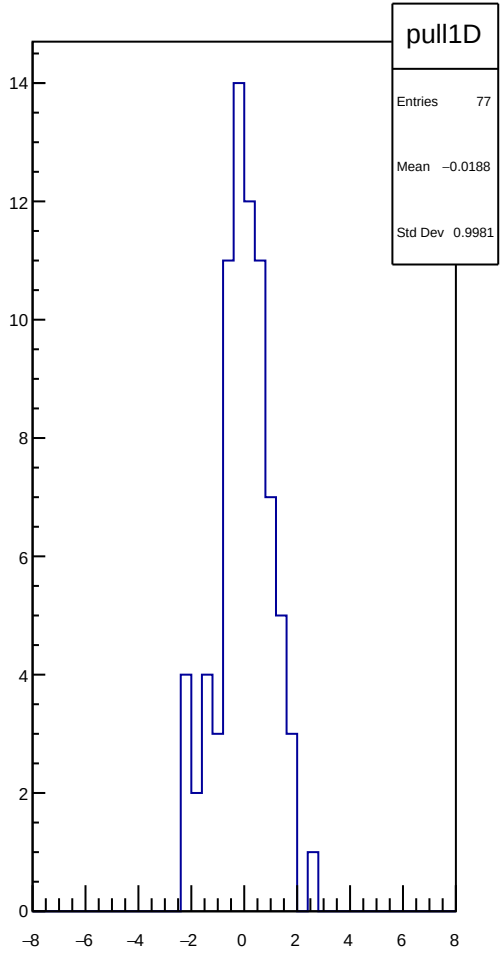

dit_asym_atr_avg_rms vs run
χ^2 / ndf 923.1 / 76
p0 1951 ± 1.539
2250
2200
2150
2100
2050
2000
1950
1900

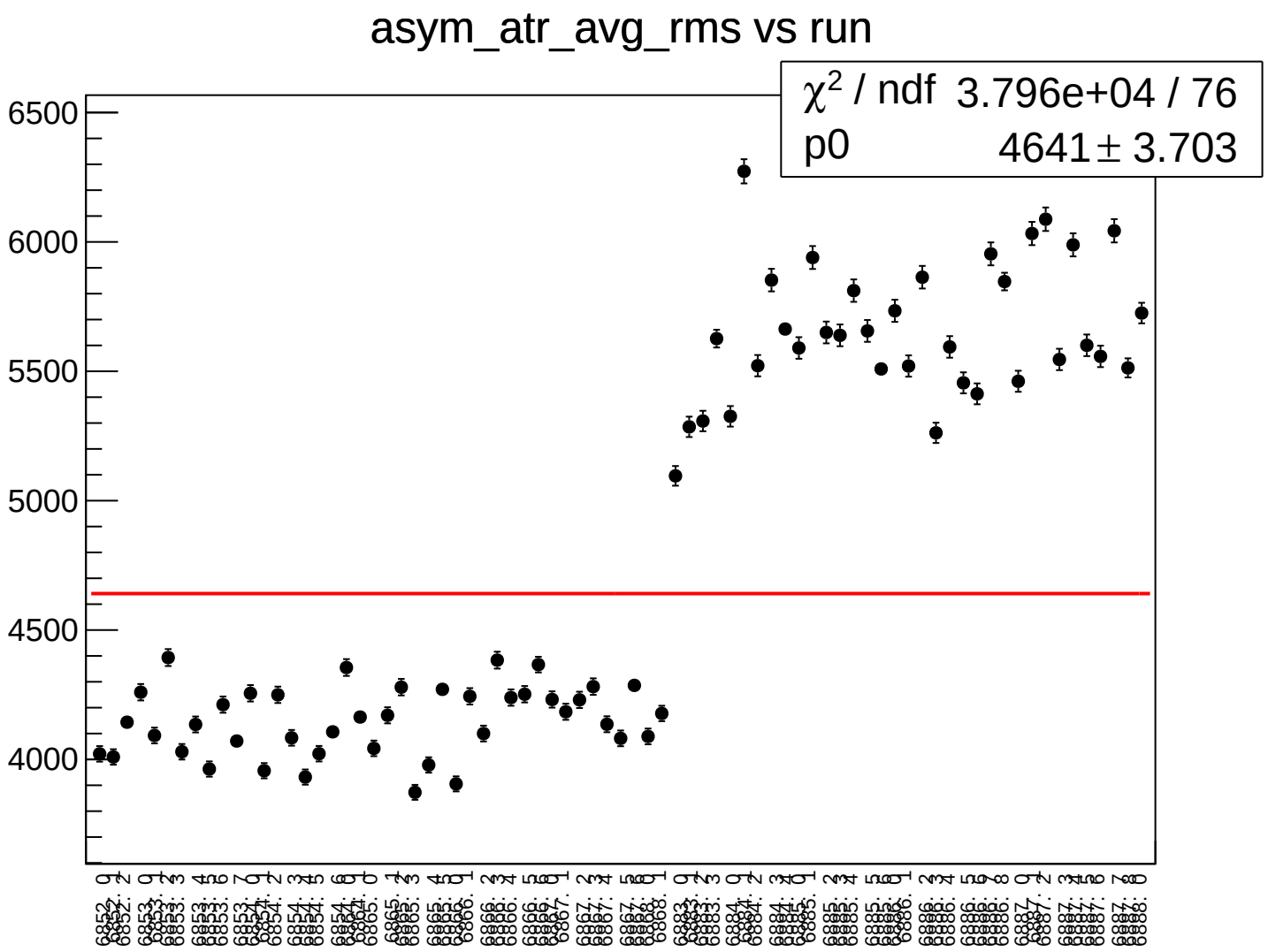

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 68.54 / 76
p0 −3039 ± 4837
pull
Entries 77
Mean −52.79
Std Dev 109.6

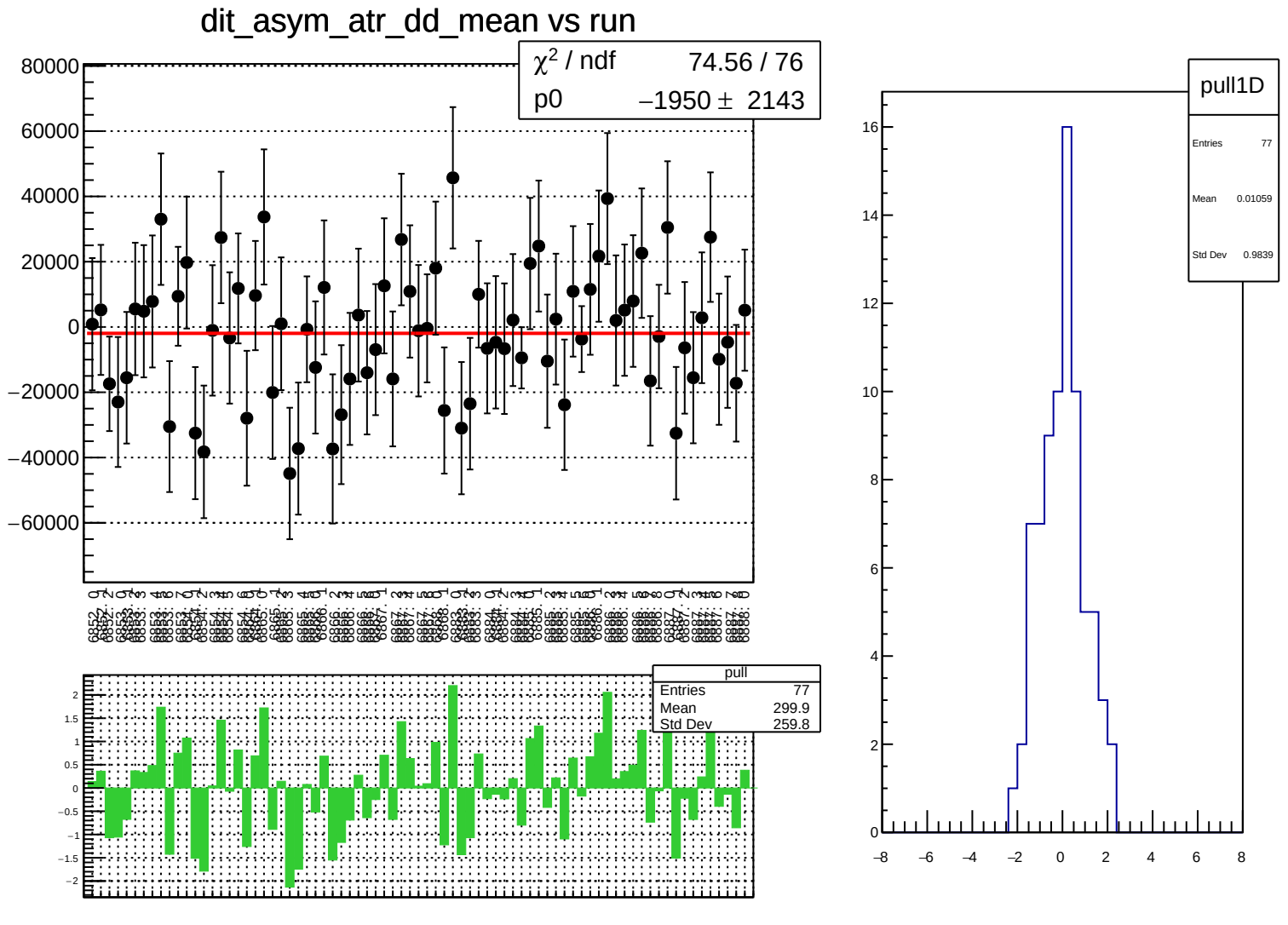

pull1D
Entries 77
Mean 0.0131
Std Dev 0.9434

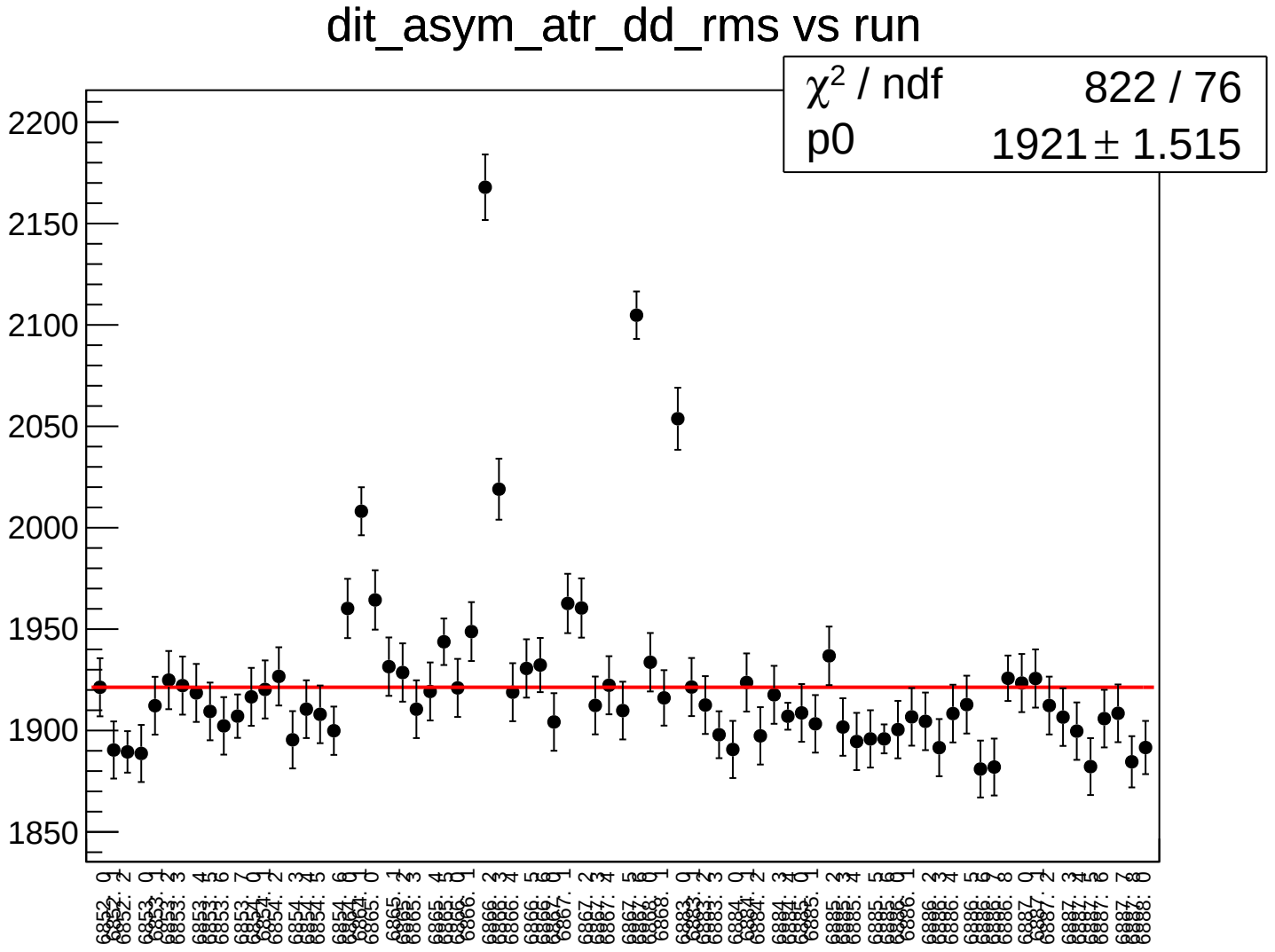

asym_atr_avg_correction_rms vs run
χ² / ndf 5.166e+04 / 76
p0 4267 ± 3.42
6000
5500
5000
4500
4000
3500

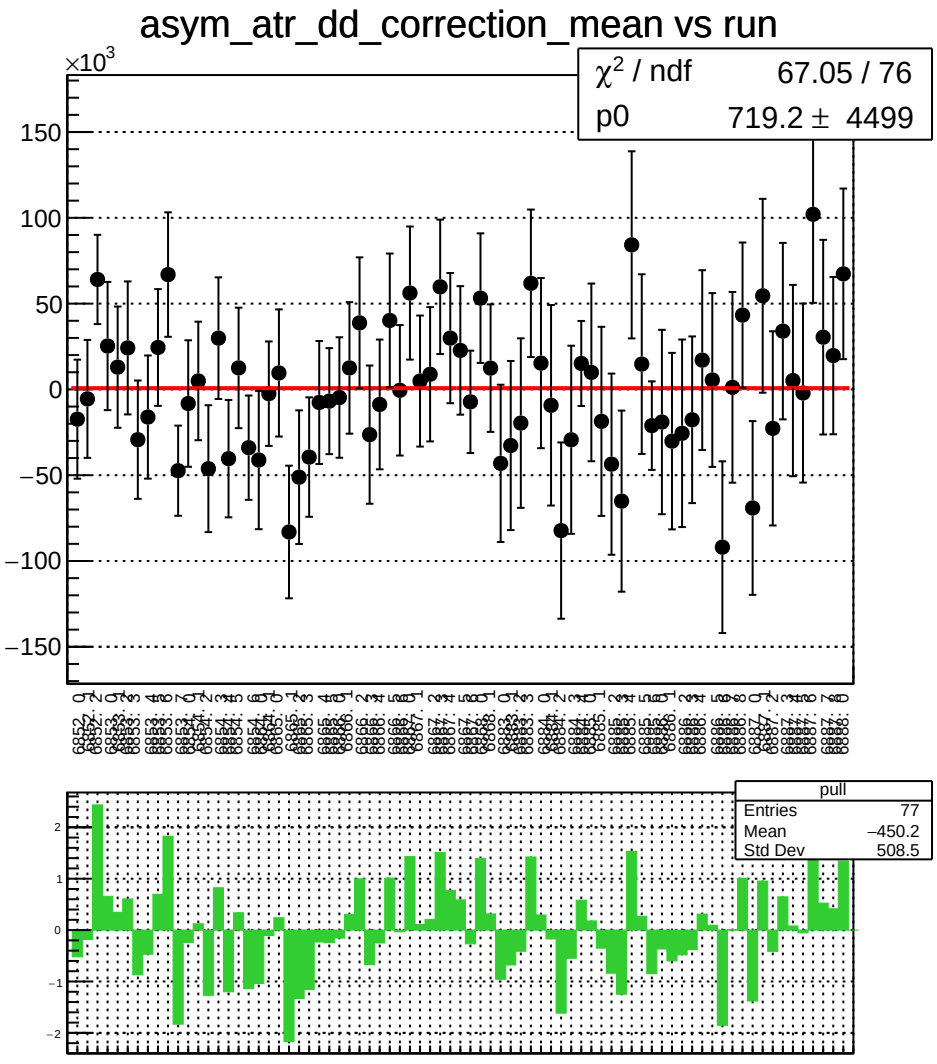

asym_atr_avg_mean vs run
χ^2 / ndf 76.73 / 76
p0 2885 ± 5237
×10^3
150
100
50
0
−50
−100
−150
−200
pull
Entries 77
Mean 46.74
Std Dev 49.78
2
1
0
−1
−2

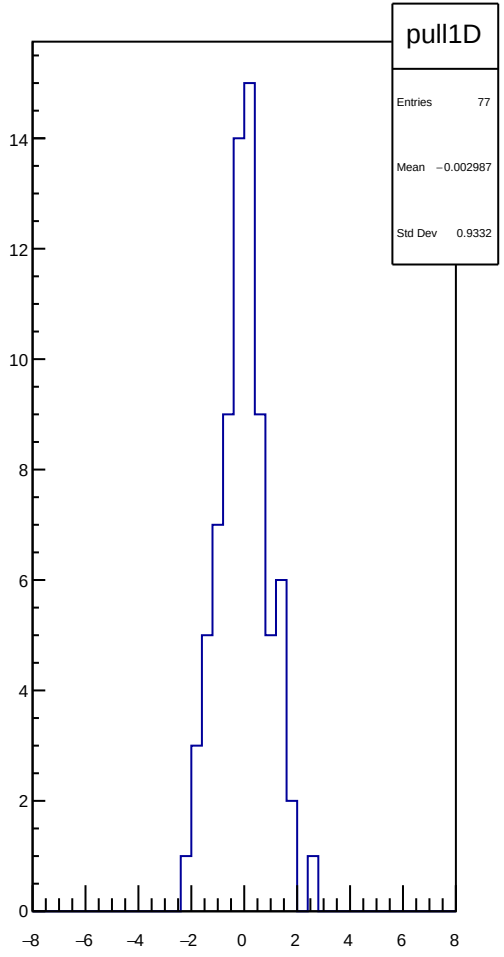

pull1D
Entries 77
Mean −0.0188
Std Dev 0.9981
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

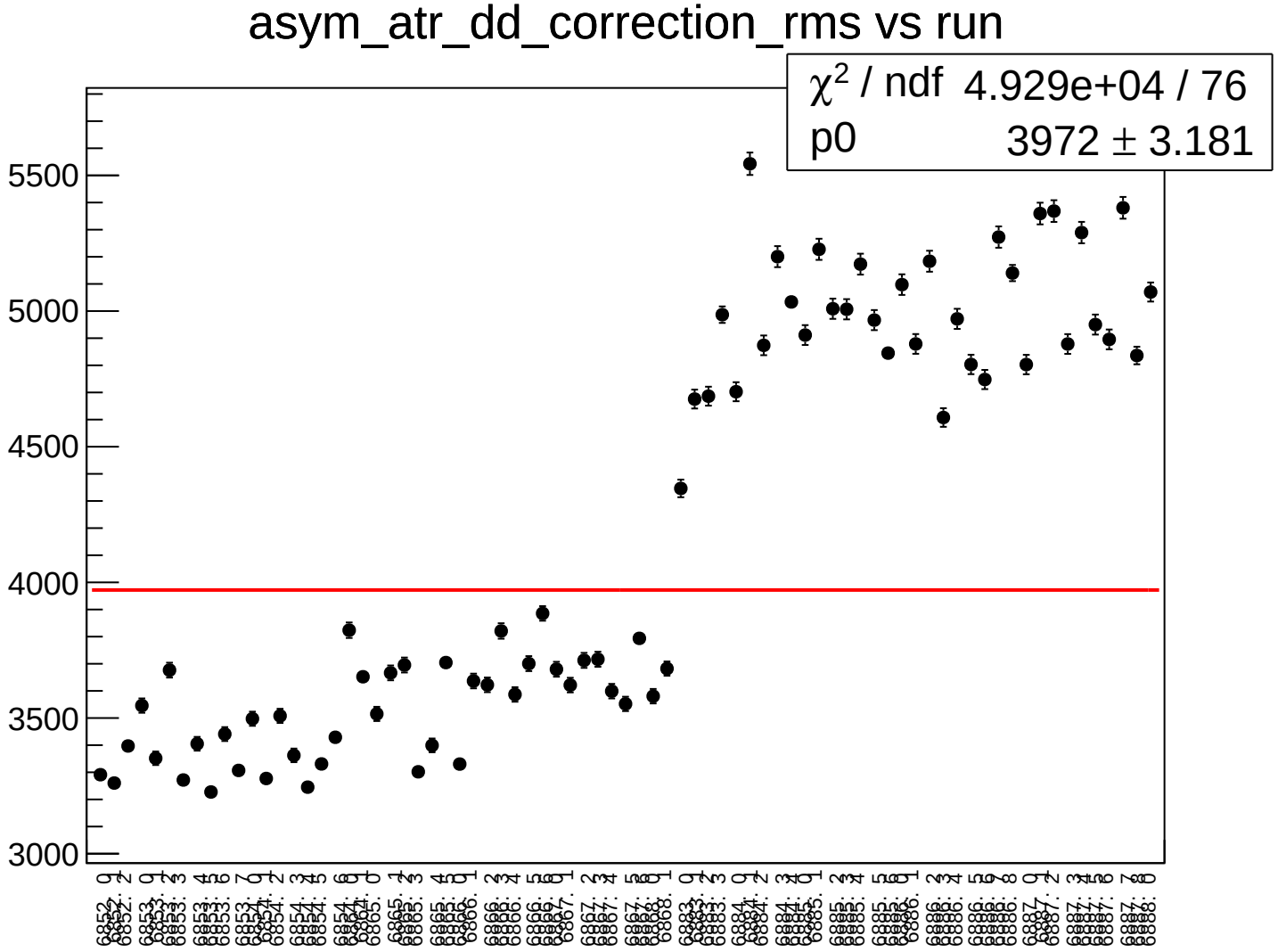

asym_atr_avg_rms vs run
χ^2 / ndf 3.796e+04 / 76
p0 4641 ± 3.703
6500
6000
5500
5000
4500
4000

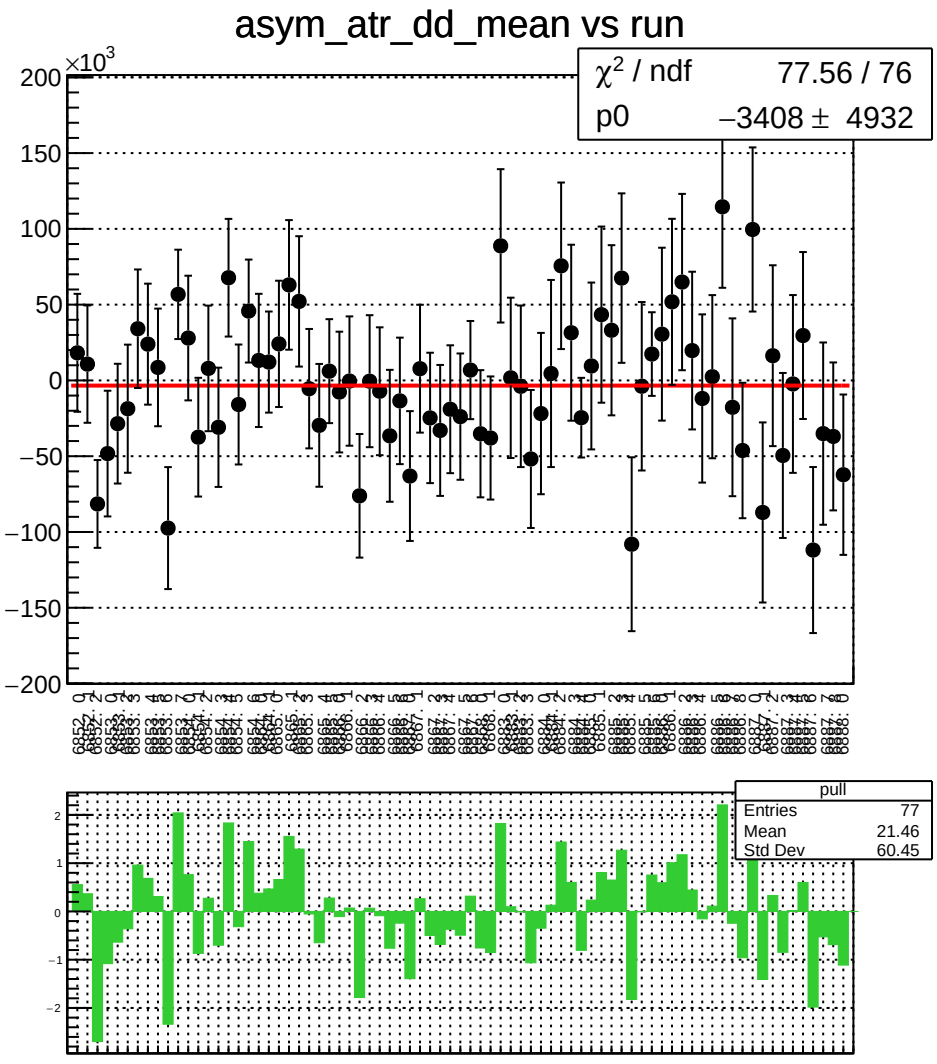

dit_asym_atr_dd_mean vs run
χ² / ndf 74.56 / 76
p0 −1950 ± 2143
pull
Entries 77
Mean 299.9
Std Dev 259.8
pull1D
Entries 77
Mean 0.01059
Std Dev 0.9839

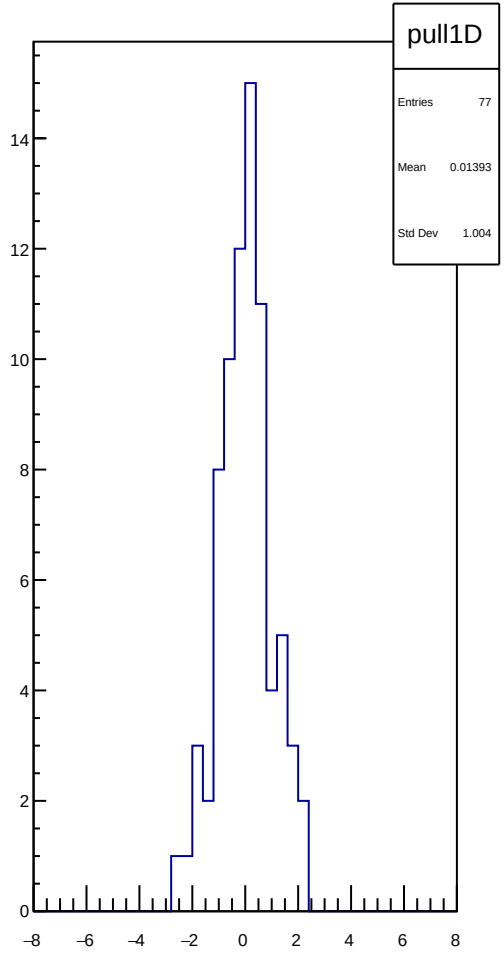

dit_asym_atr_dd_rms vs run
χ² / ndf 822 / 76
p0 1921 ± 1.515
2200
2150
2100
2050
2000
1950
1900
1850

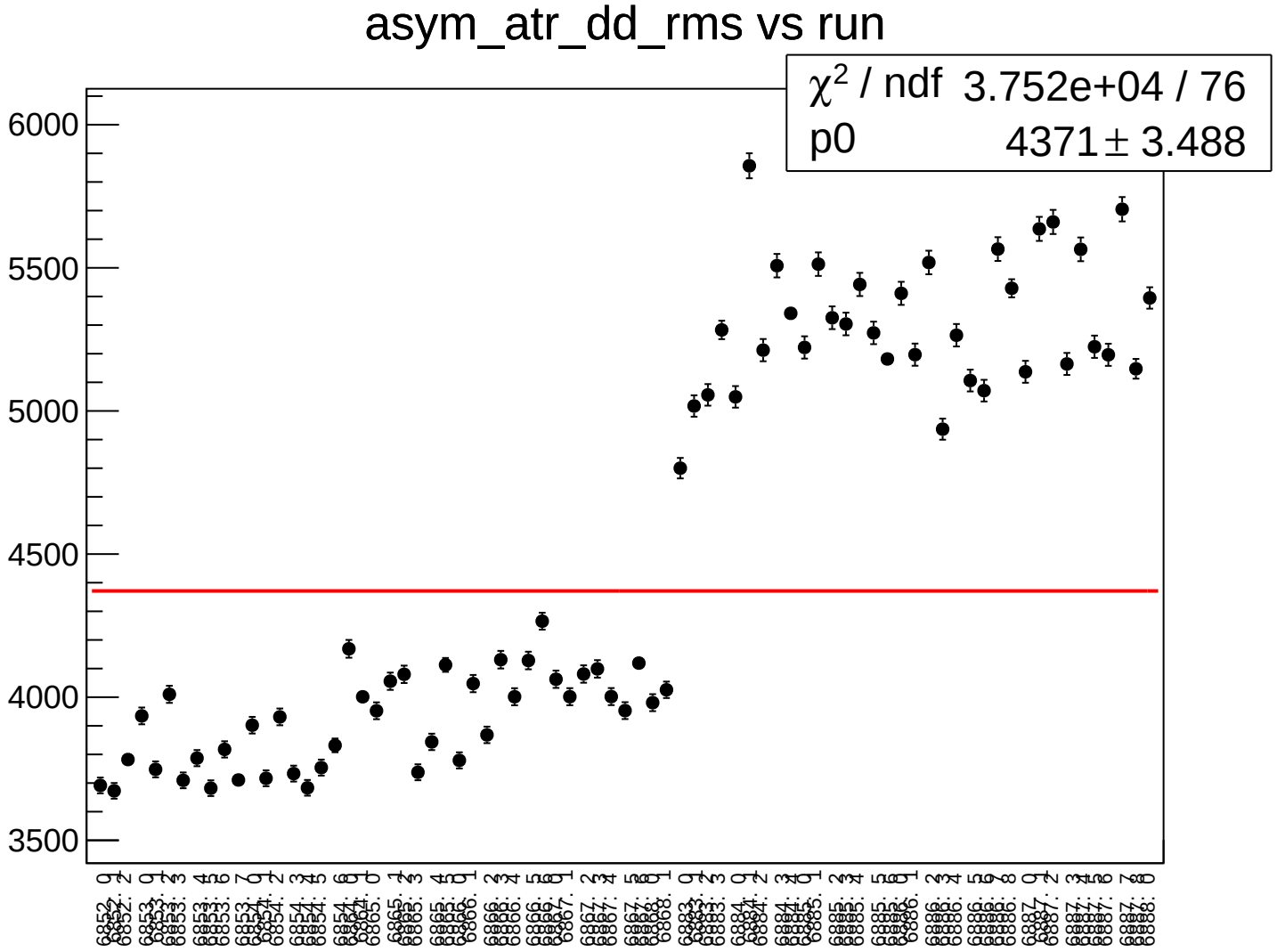

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 67.05 / 76
p0 719.2 ± 4499
pull
Entries 77
Mean −450.2
Std Dev 508.5

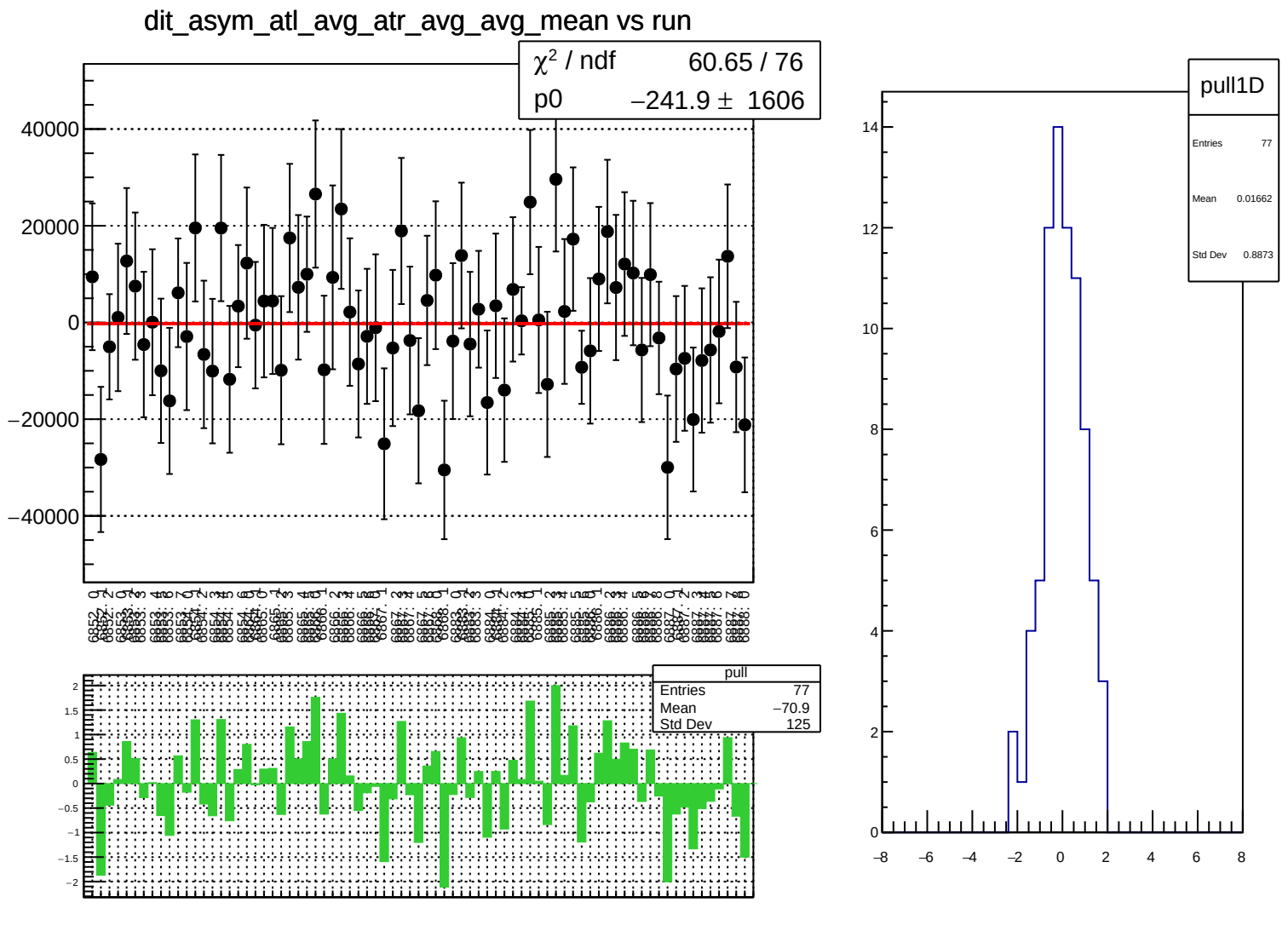

pull1D
Entries 77
Mean −0.002987
Std Dev 0.9332


asym_atr_dd_correction_rms vs run
χ^2 / ndf 4.929e+04 / 76
p0 3972 ± 3.181
5500
5000
4500
4000
3500
3000

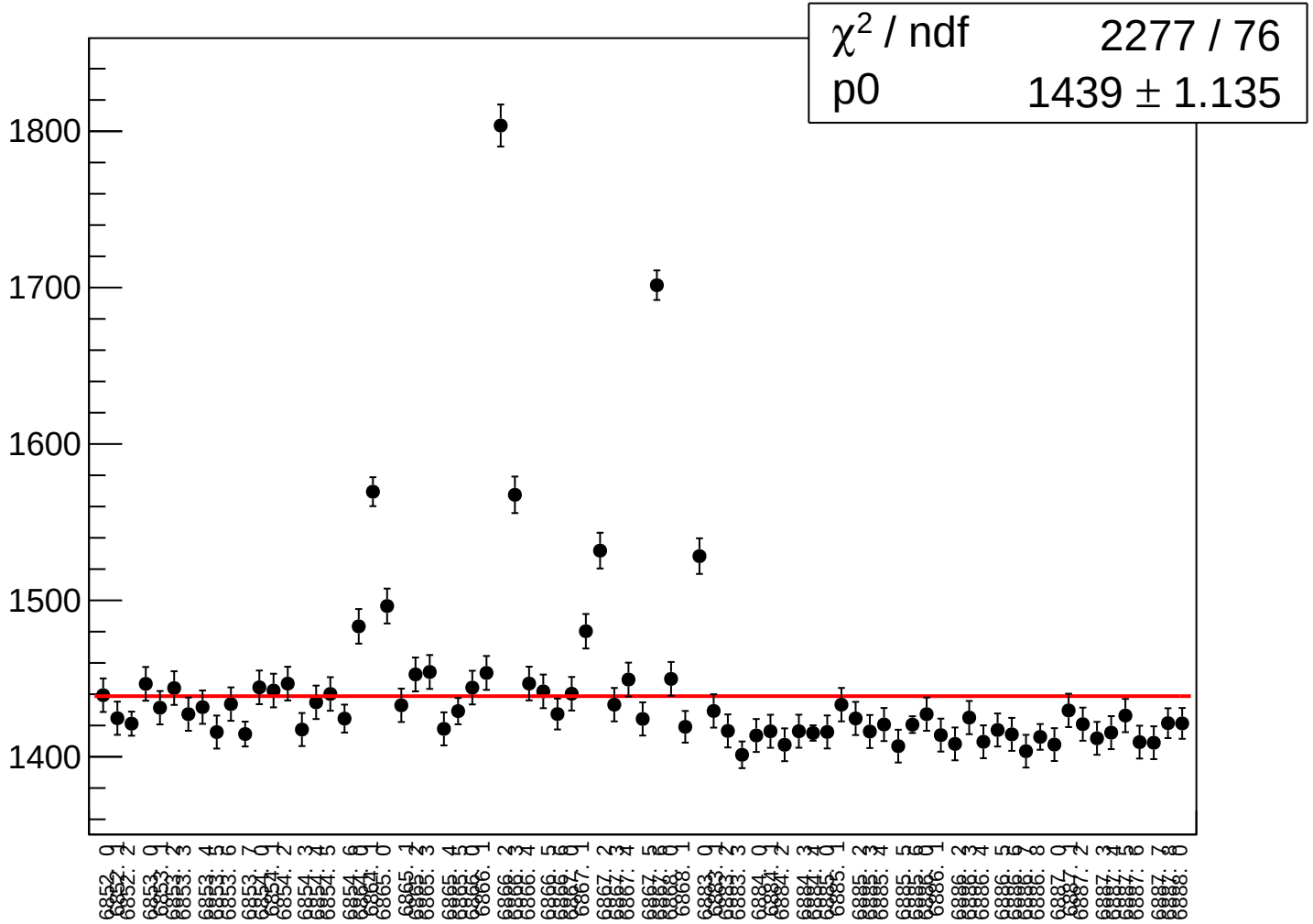

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 77.56 / 76
p0 −3408 ± 4932
pull
Entries 77
Mean 21.46
Std Dev 60.45

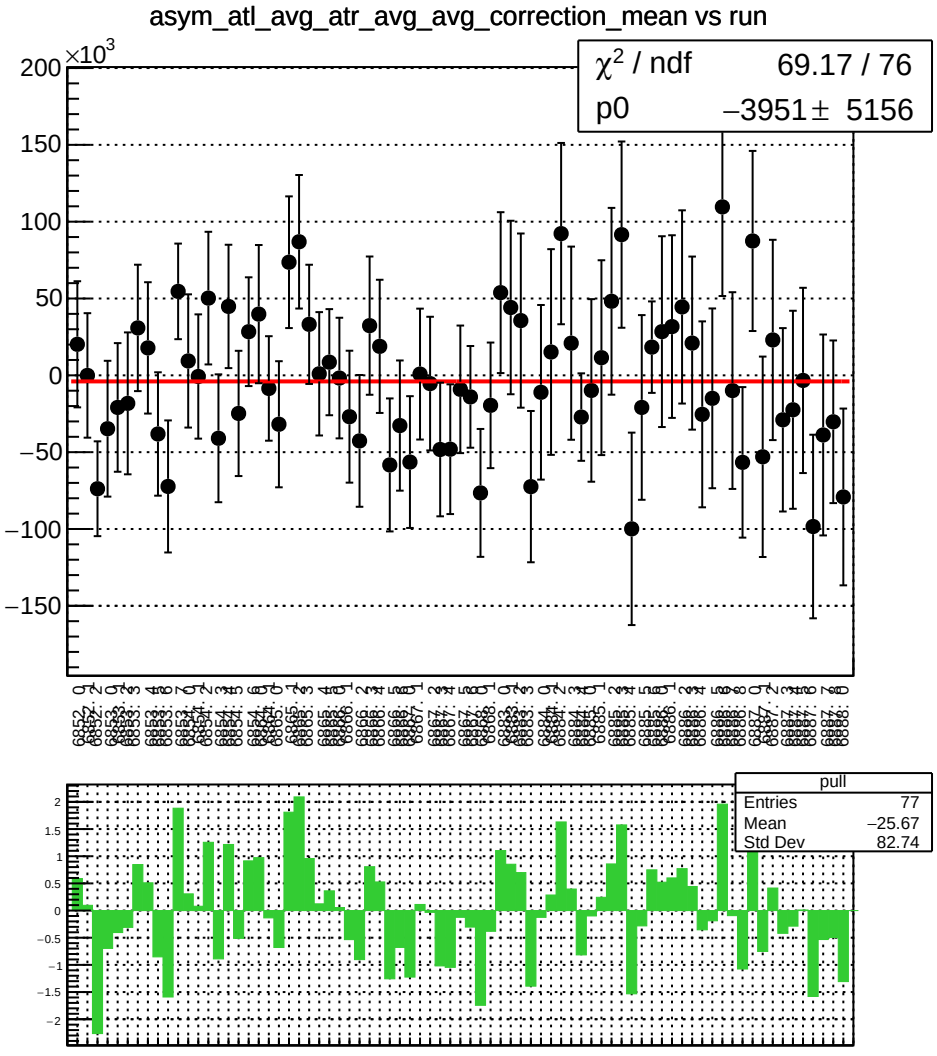

pull1D
Entries 77
Mean 0.01393
Std Dev 1.004

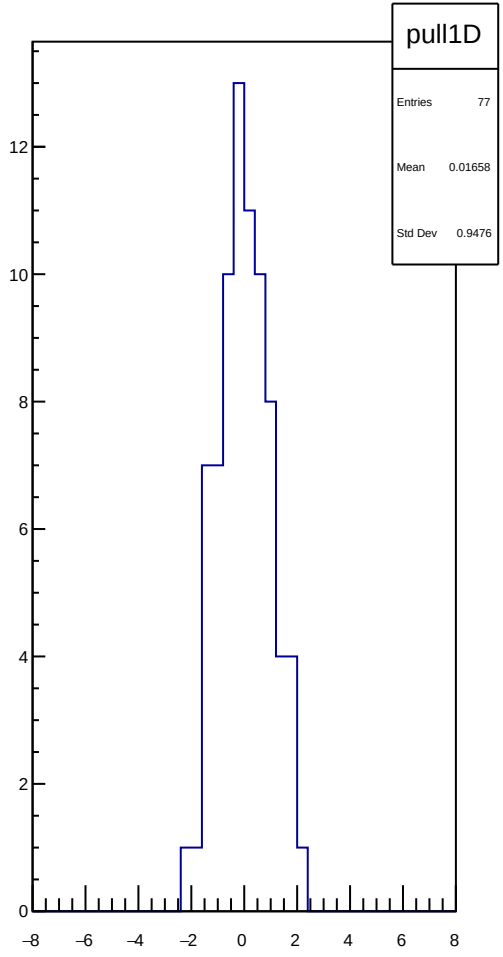

asym_atr_dd_rms vs run
χ^2 / ndf 3.752e+04 / 76
p0 4371 ± 3.488
6000
5500
5000
4500
4000
3500

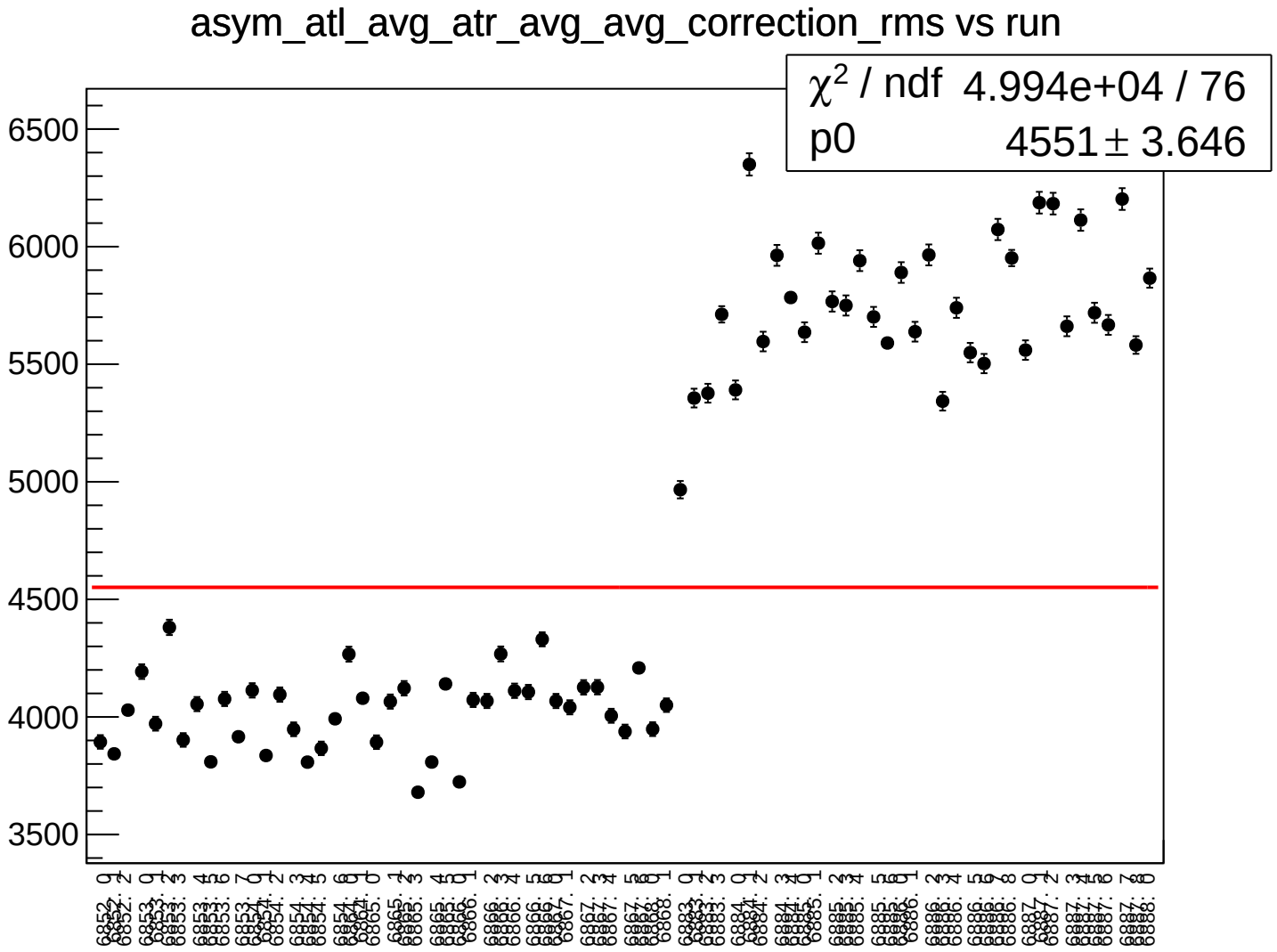

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 60.65 / 76
p0 −241.9 ± 1606
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −70.9
Std Dev 125
pull1D
Entries 77
Mean 0.01662
Std Dev 0.8873

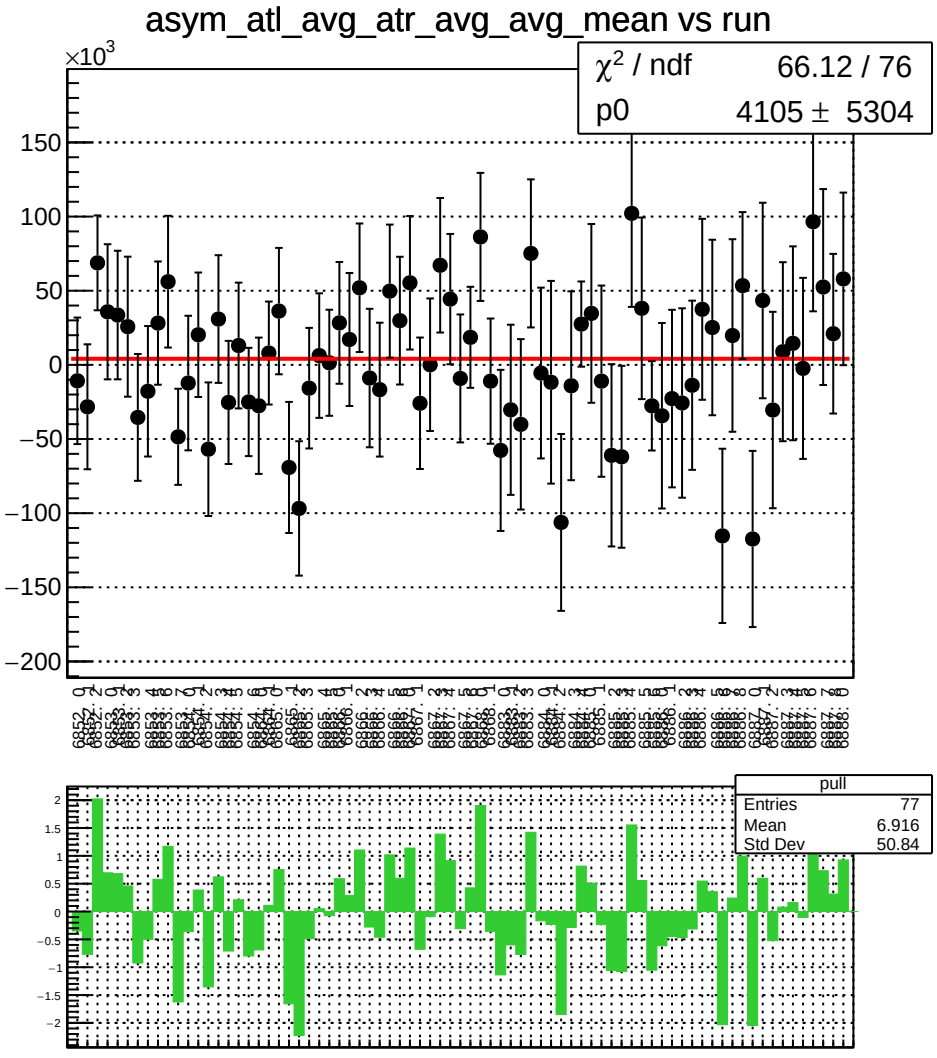
dit_asym_atl_avg_atr_avg_avg_rms vs run

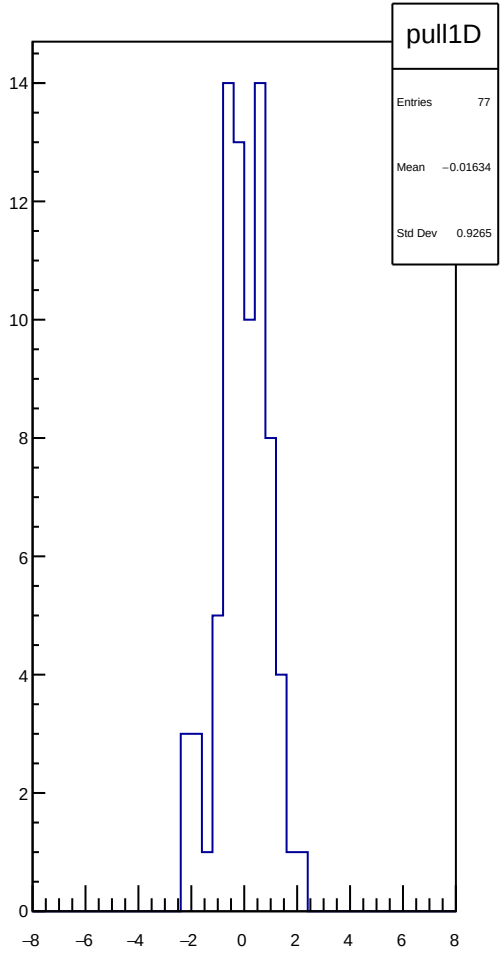


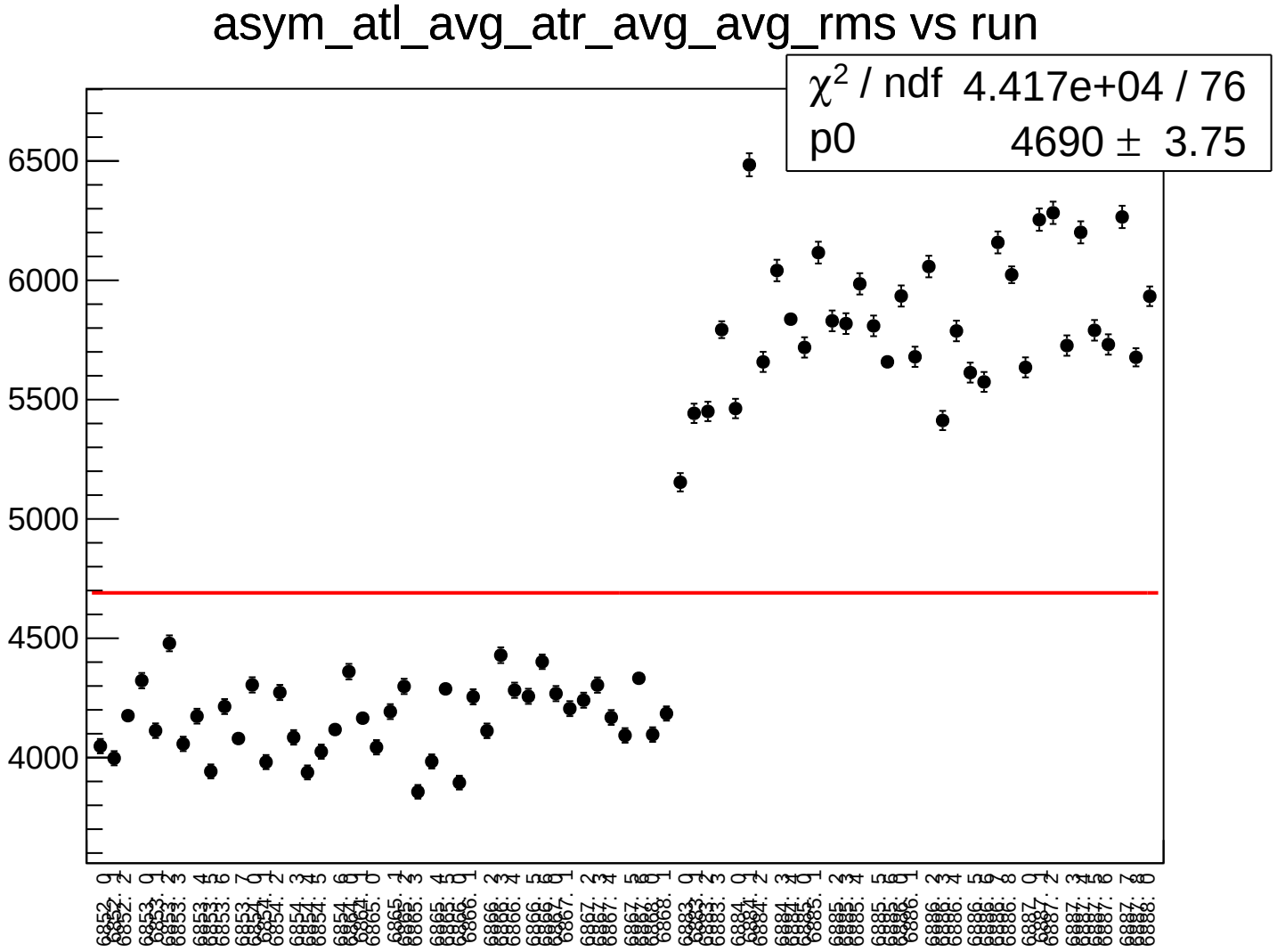

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 69.17 / 76
p0 −3951 ± 5156
pull
Entries 77
Mean −25.67
Std Dev 82.74

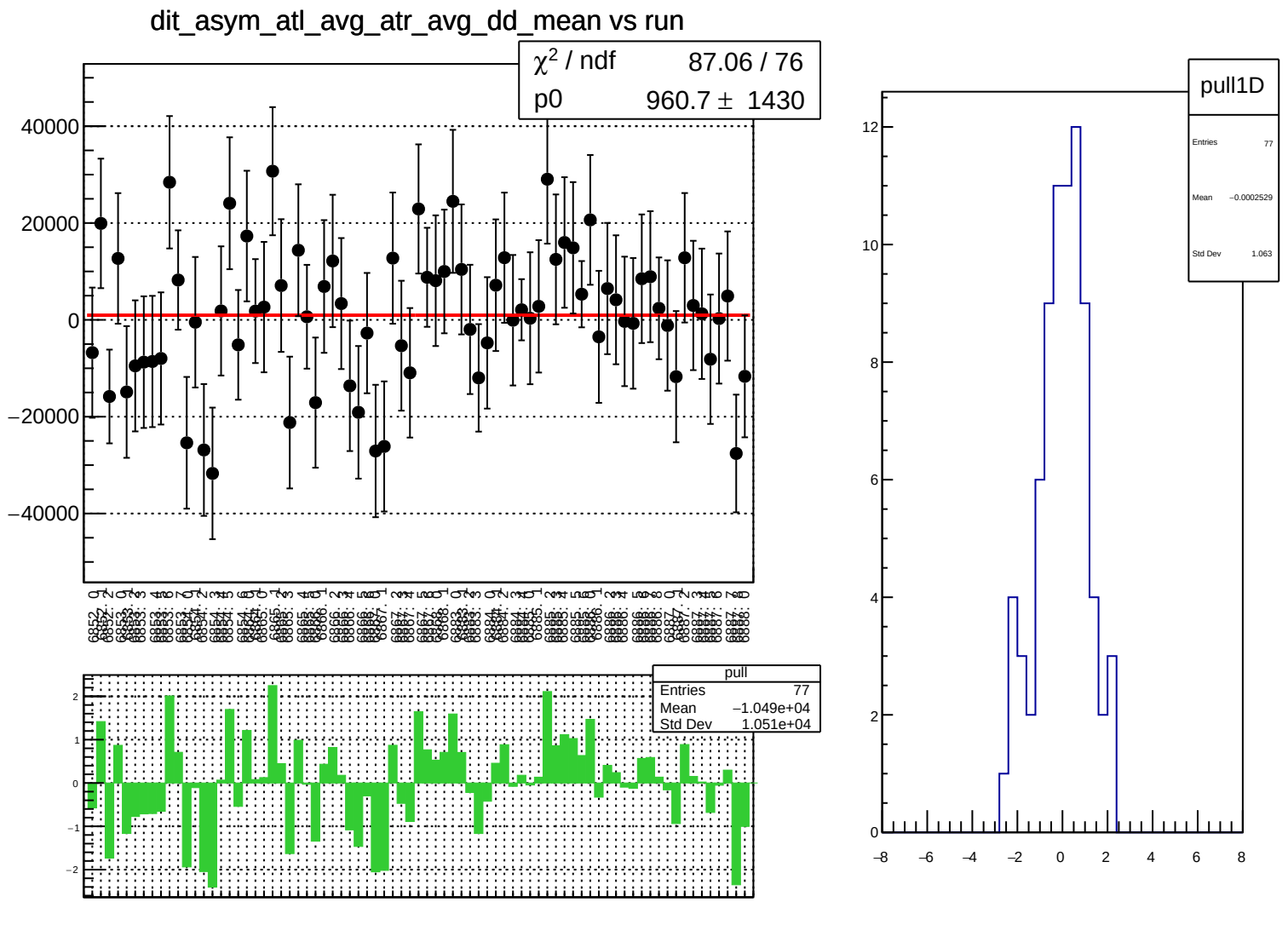

pull1D
Entries 77
Mean 0.01658
Std Dev 0.9476

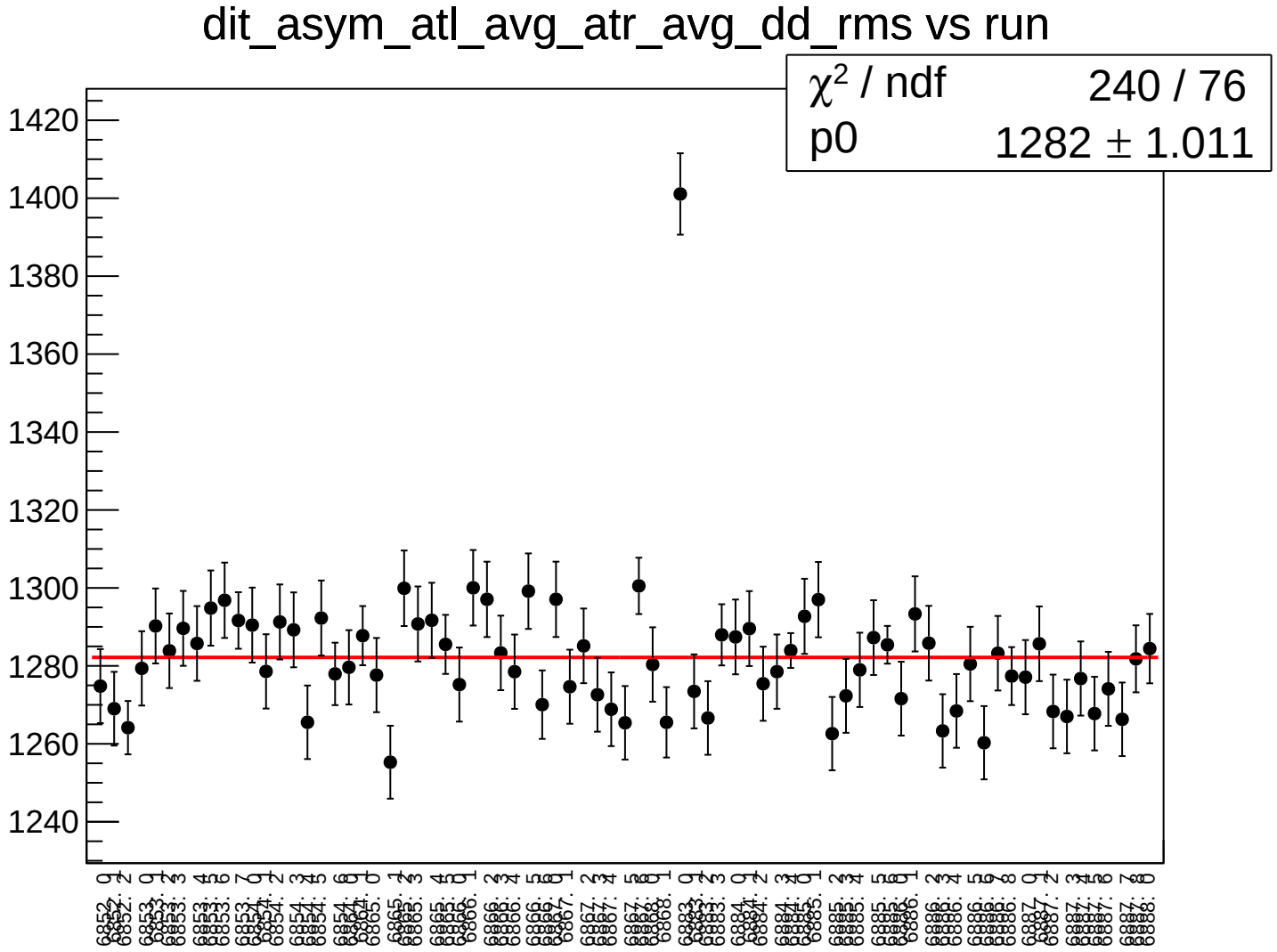

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 4.994e+04 / 76
p0 4551 ± 3.646
6500
6000
5500
5000
4500
4000
3500

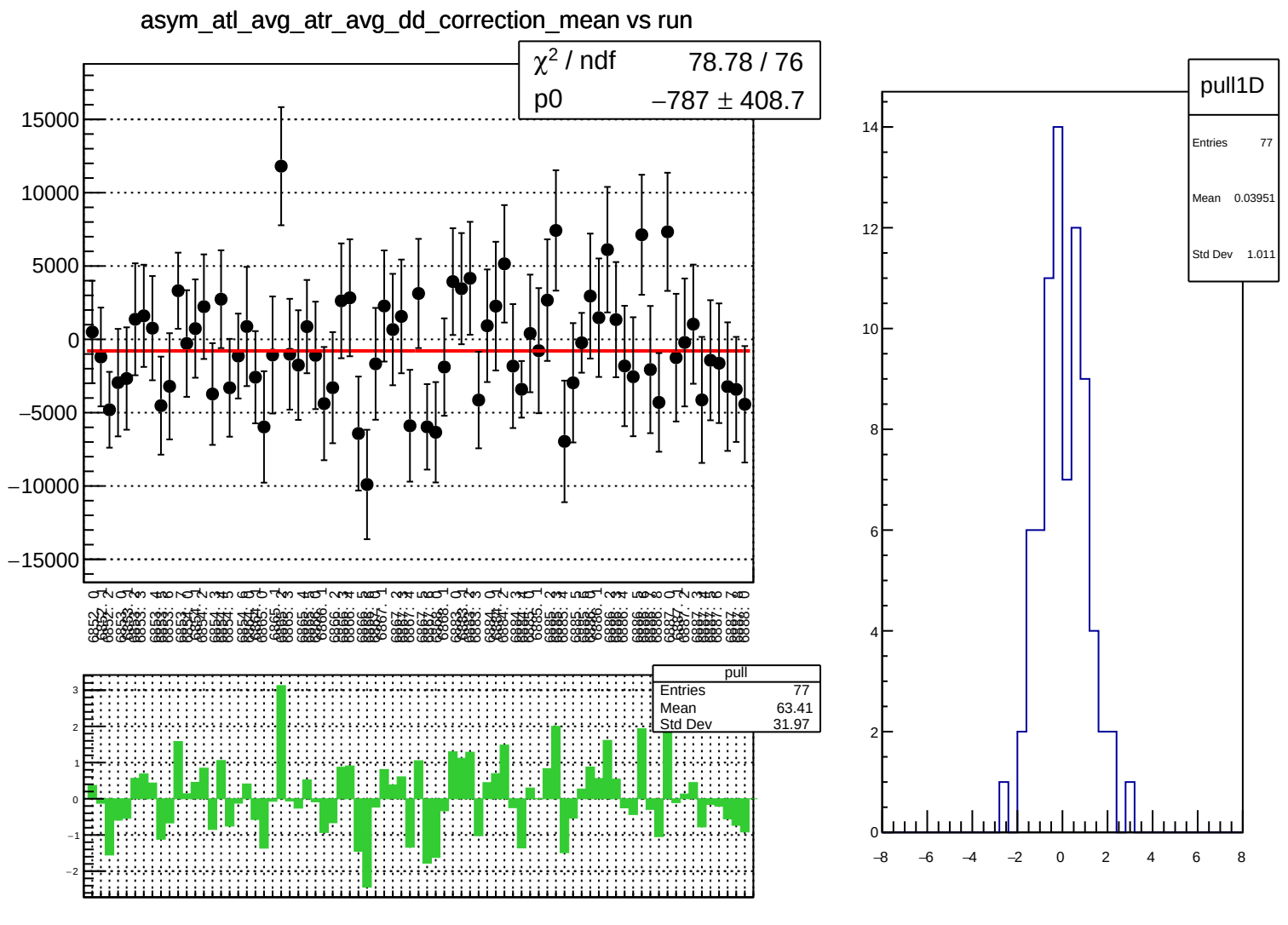

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 66.12 / 76
p0 4105 ± 5304
pull
Entries 77
Mean 6.916
Std Dev 50.84

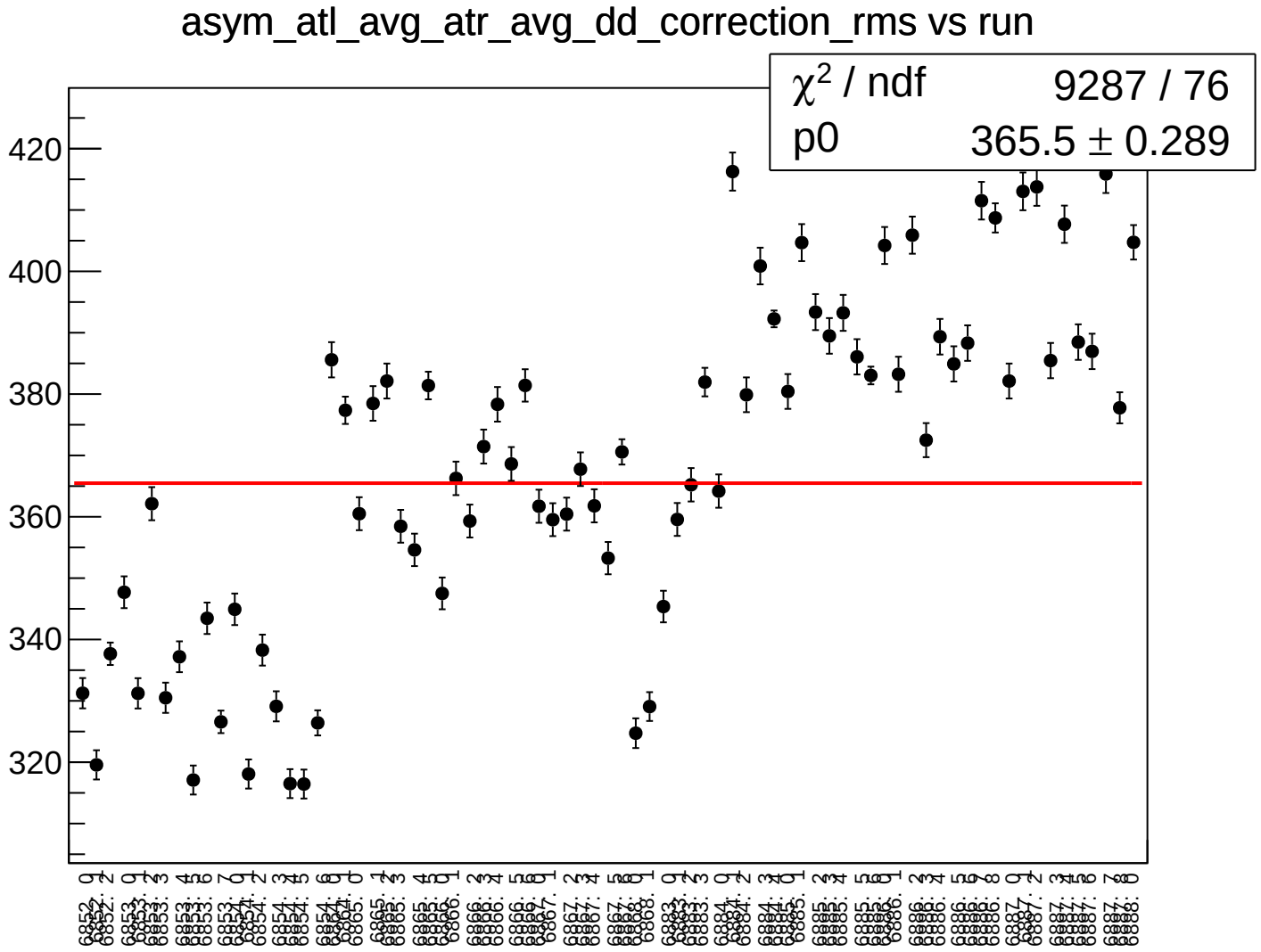

pull1D
Entries 77
Mean −0.01634
Std Dev 0.9265

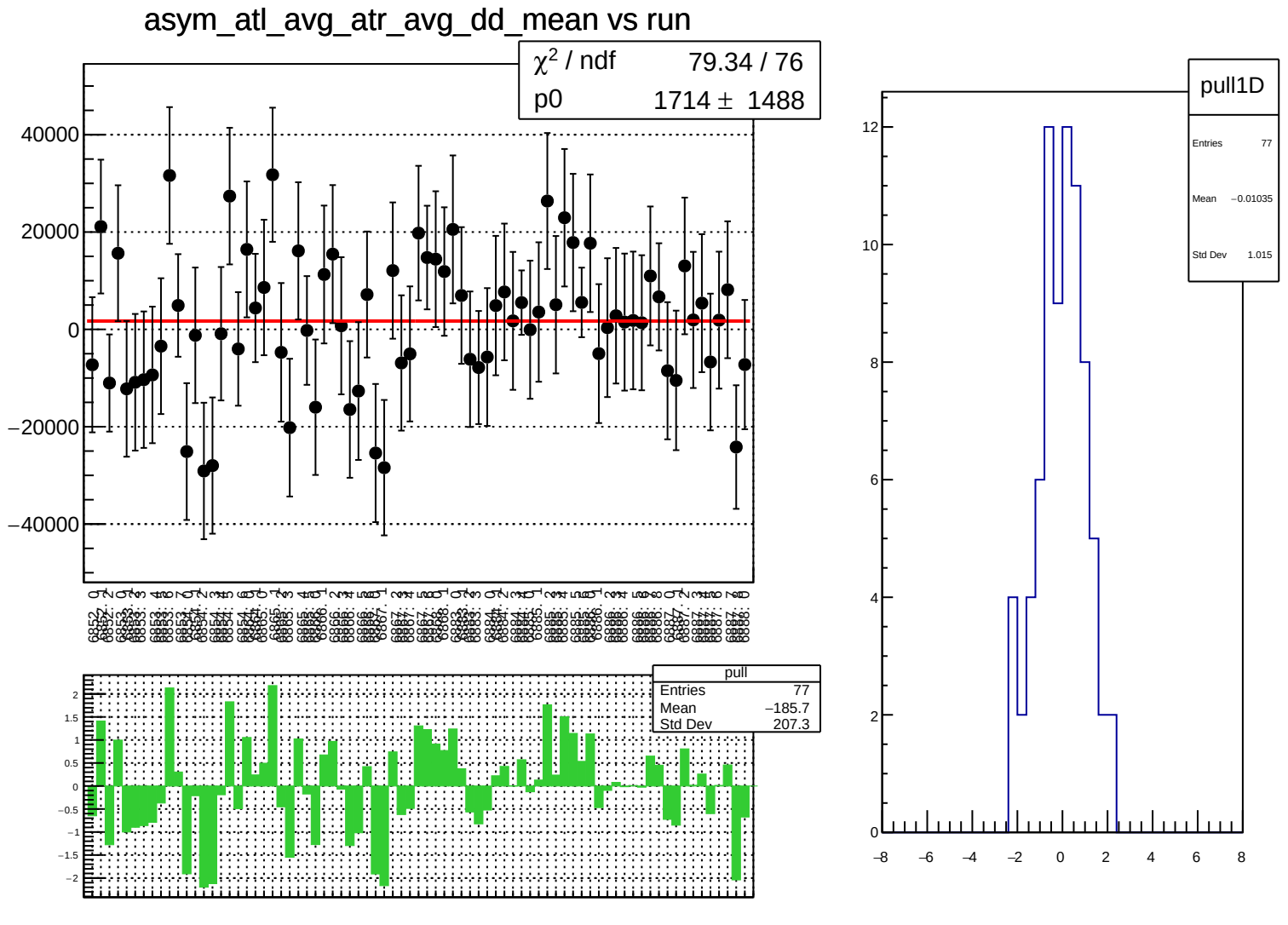

asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 4.417e+04 / 76
p0 4690 ± 3.75
6500
6000
5500
5000
4500
4000


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 87.06 / 76
p0 960.7 ± 1430
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −1.049e+04
Std Dev 1.051e+04
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.0002529
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

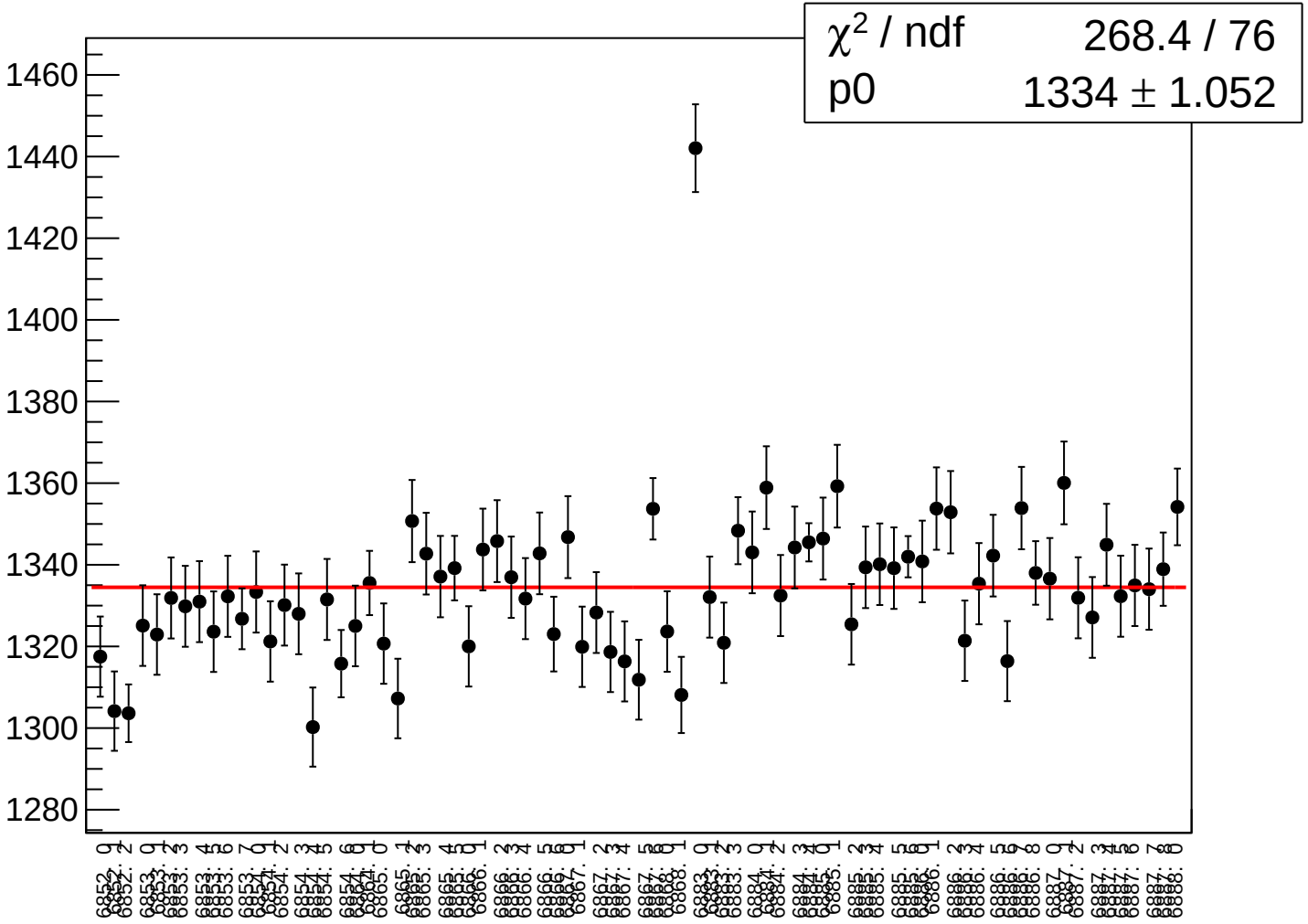

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 240 / 76
p0 1282 ± 1.011
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240

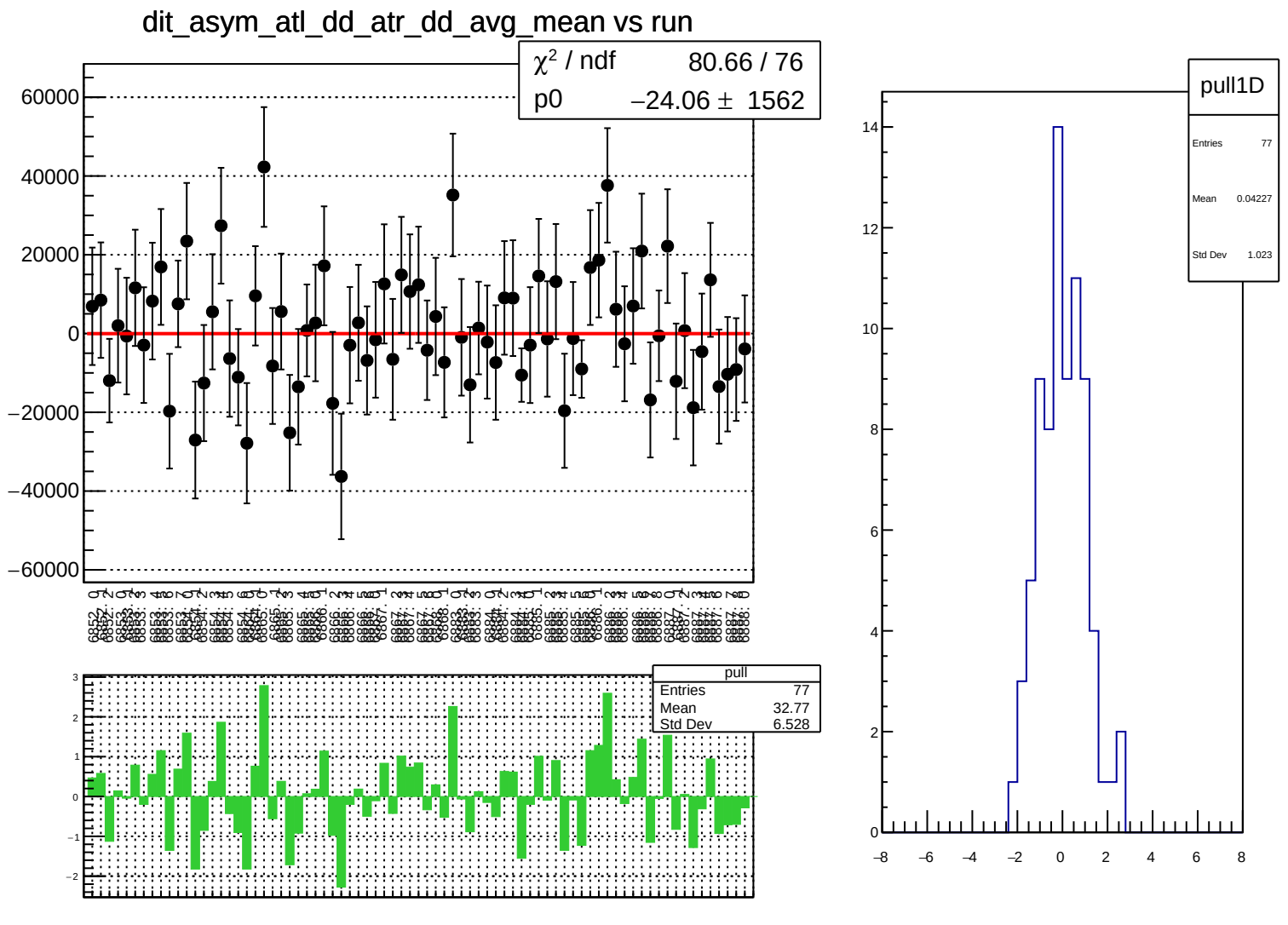

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 78.78 / 76
p0 −787 ± 408.7
pull
Entries 77
Mean 63.41
Std Dev 31.97
pull1D
Entries 77
Mean 0.03951
Std Dev 1.011

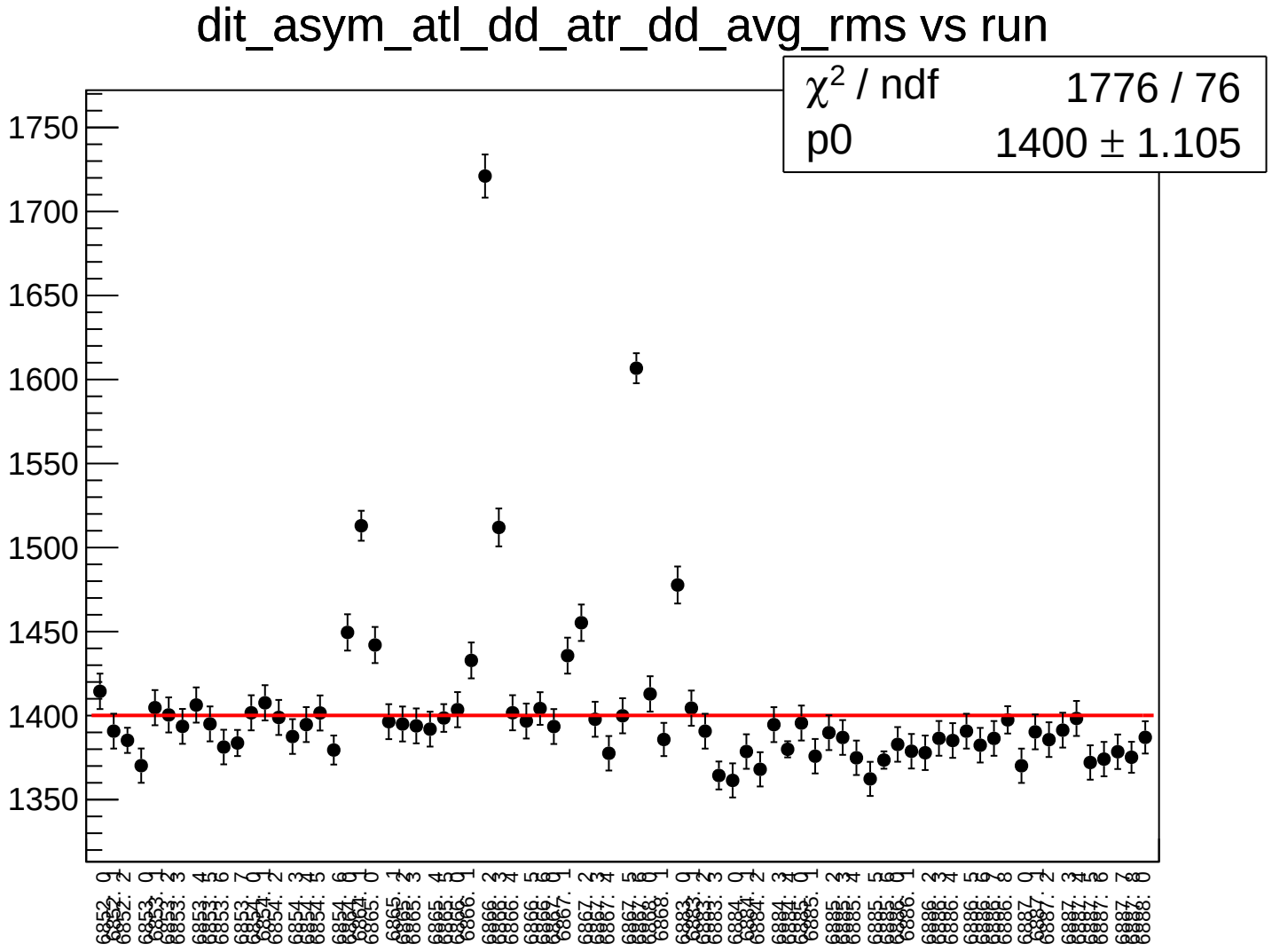

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 9287 / 76
p0 365.5 ± 0.289
420
400
380
360
340
320

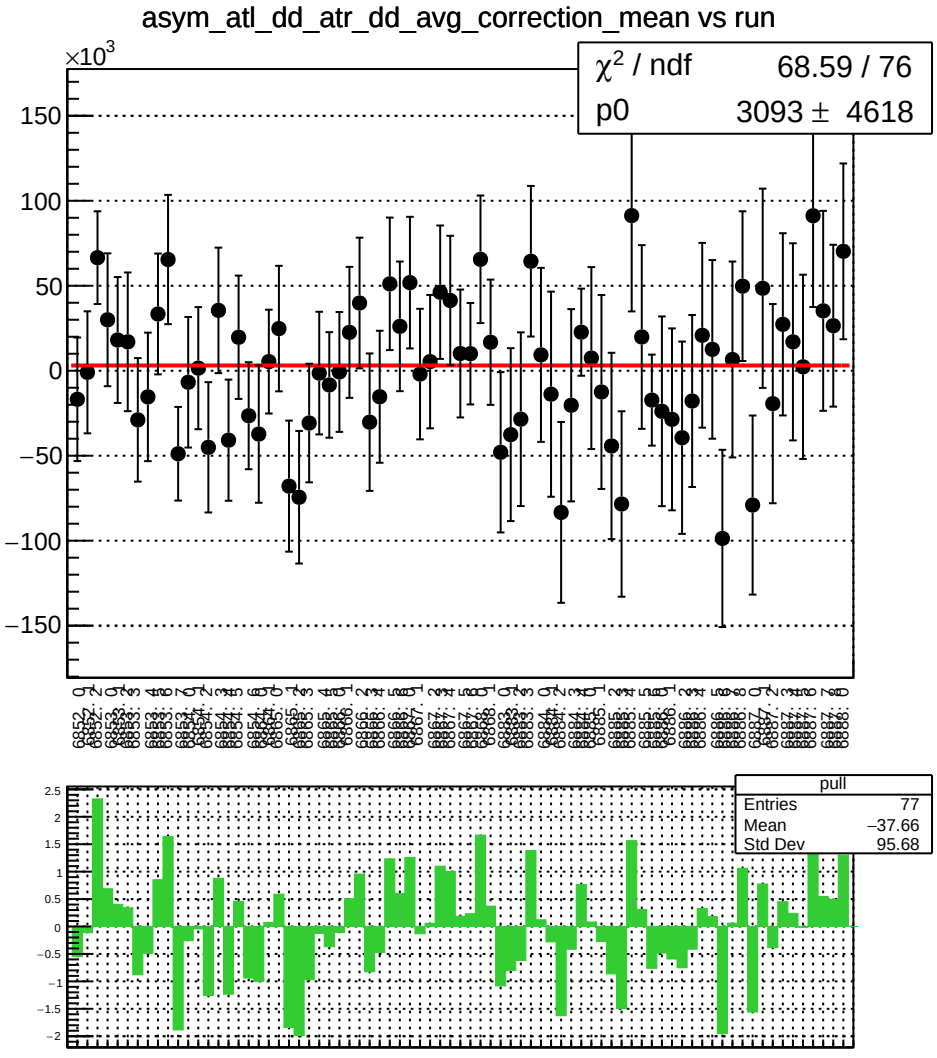

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 79.34 / 76
p0 1714 ± 1488
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −185.7
Std Dev 207.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean −0.01035
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

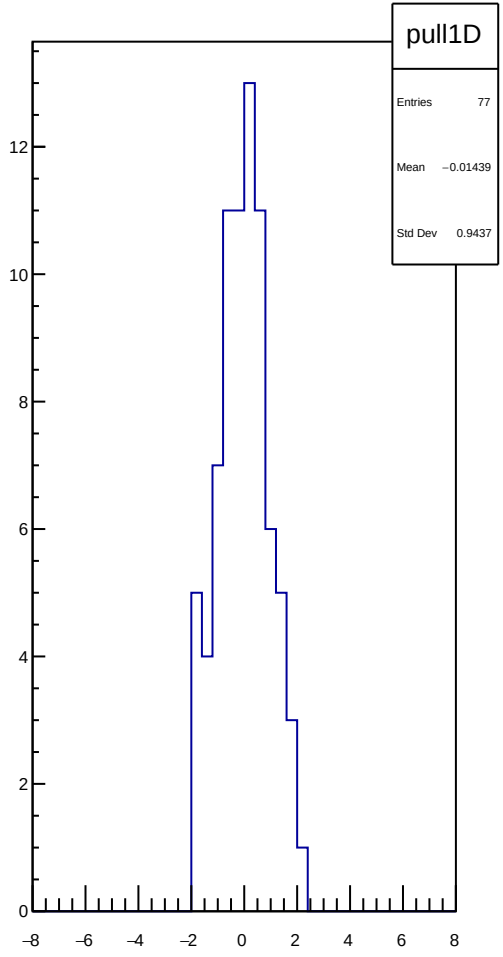
asym_atl_avg_atr_avg_dd_rms vs run

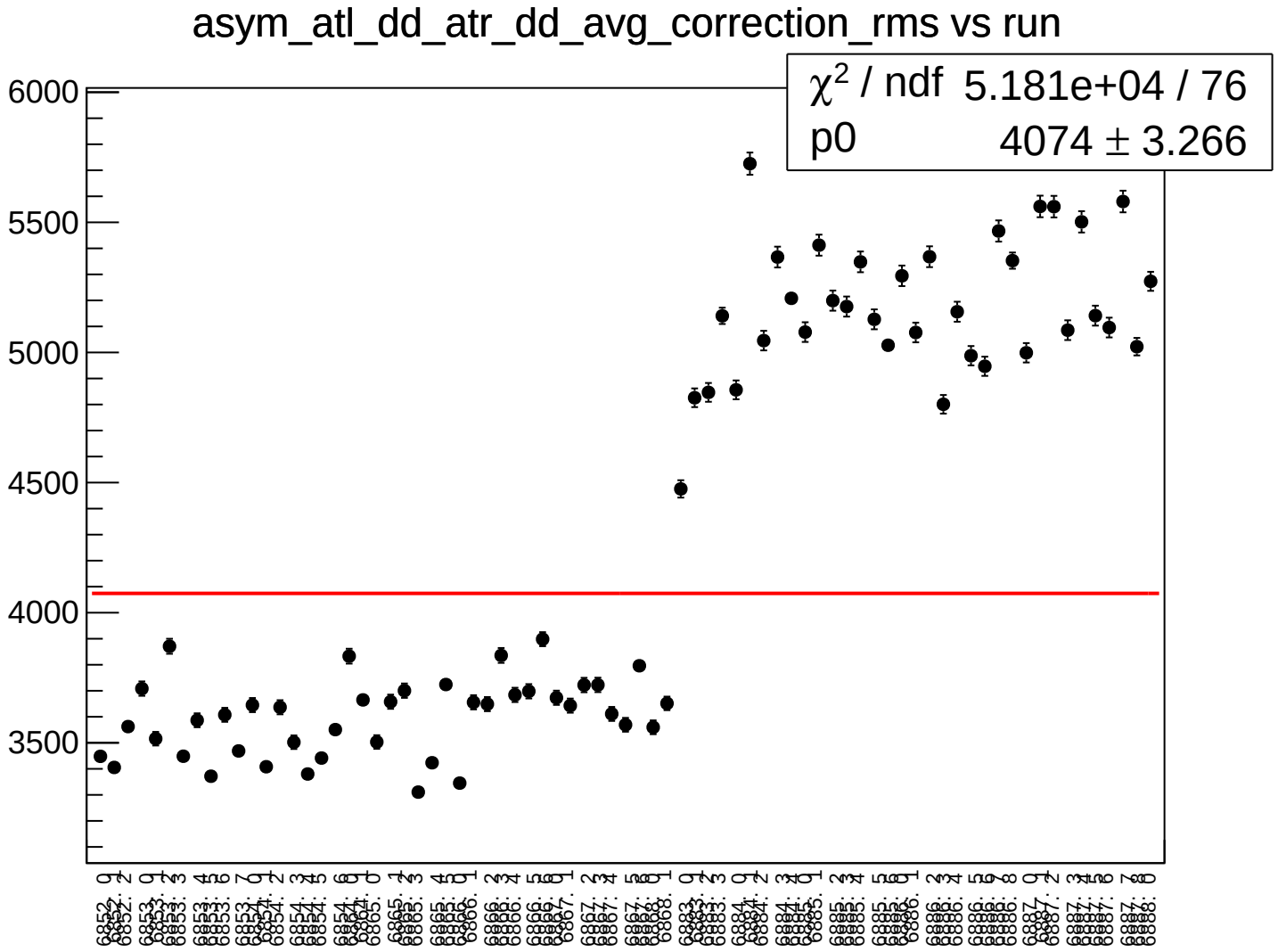


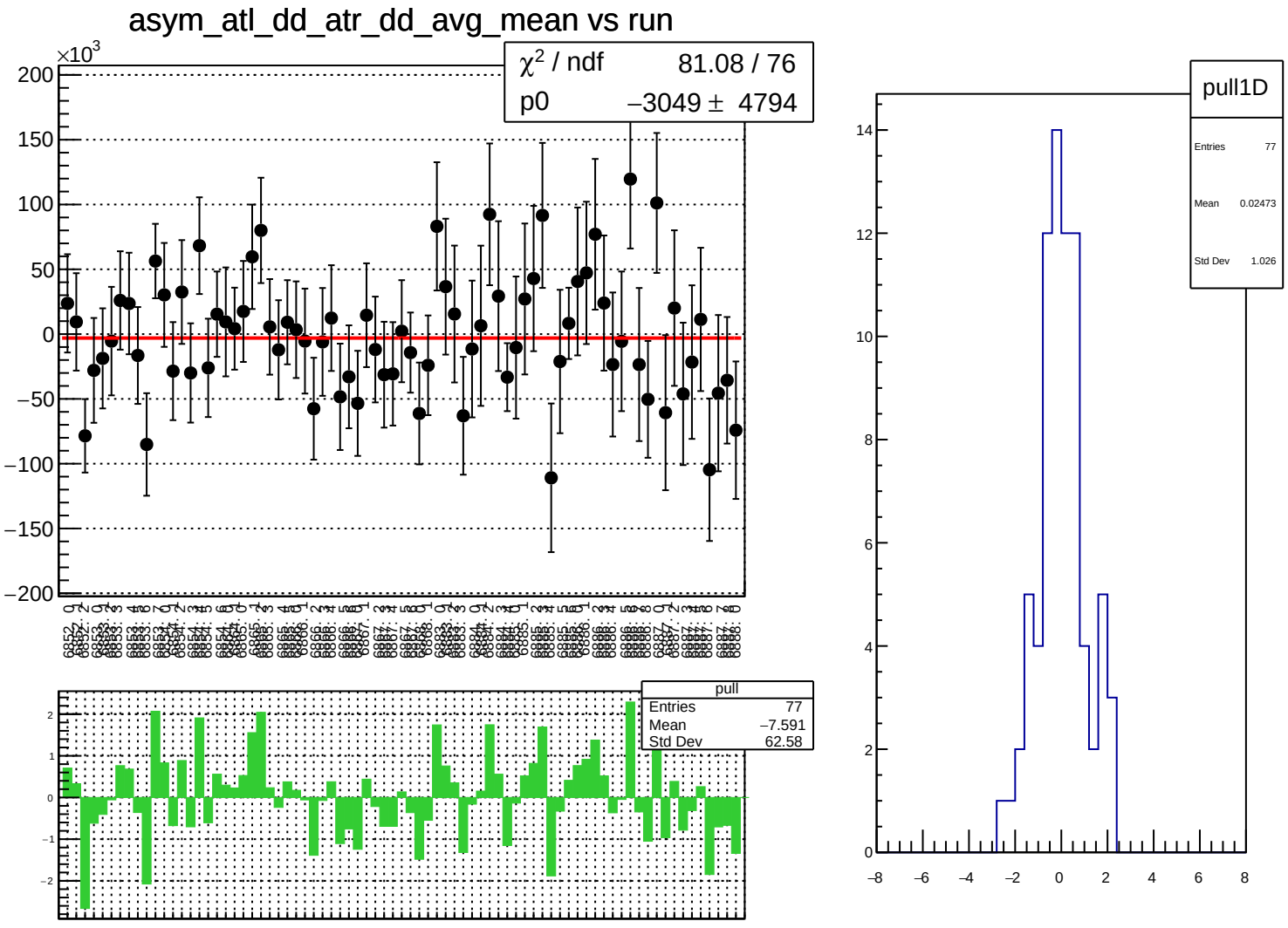

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 80.66 / 76
p0 −24.06 ± 1562
pull
Entries 77
Mean 32.77
Std Dev 6.528
pull1D
Entries 77
Mean 0.04227
Std Dev 1.023

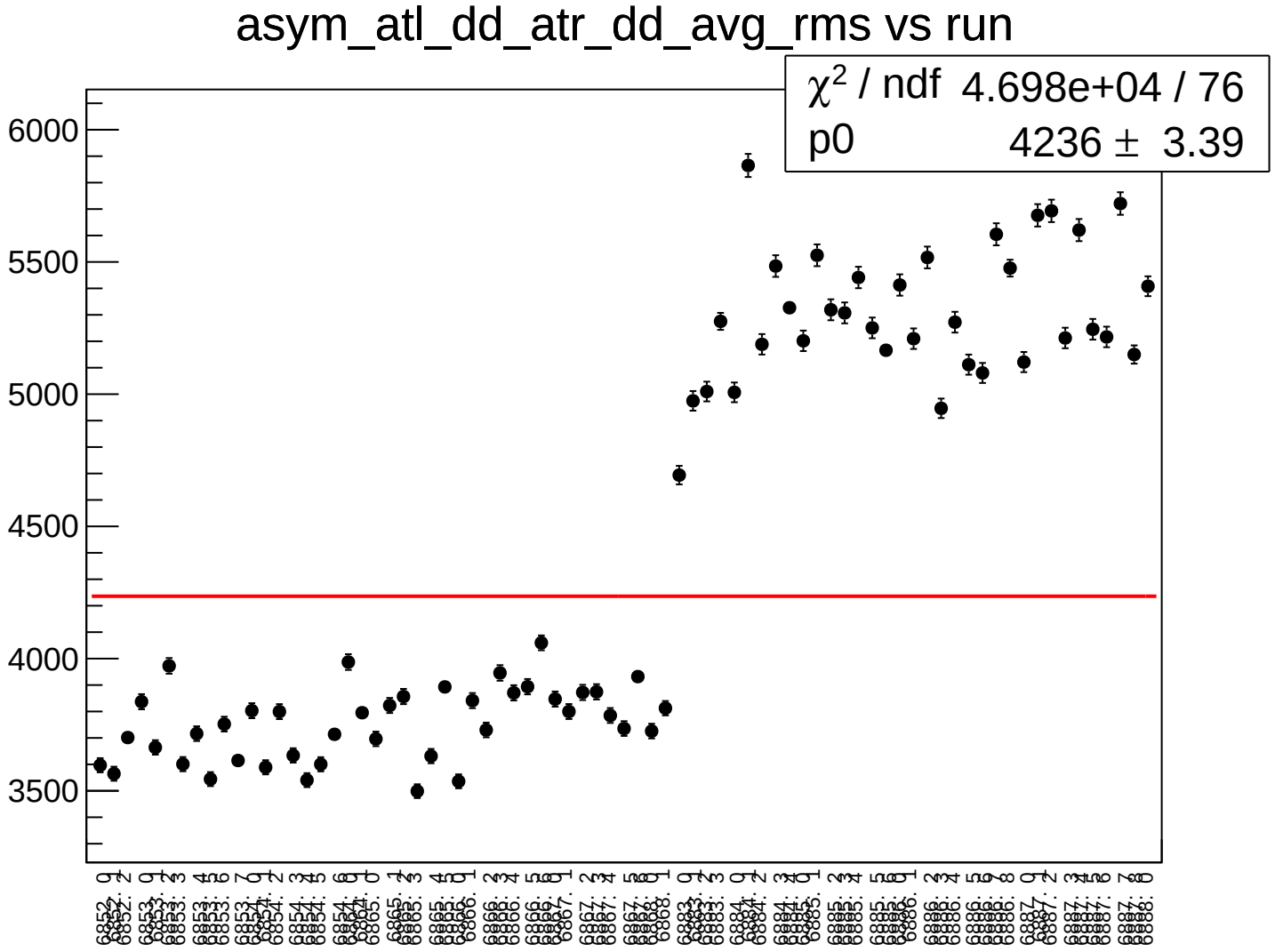

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1776 / 76
p0 1400 ± 1.105
1750
1700
1650
1600
1550
1500
1450
1400
1350

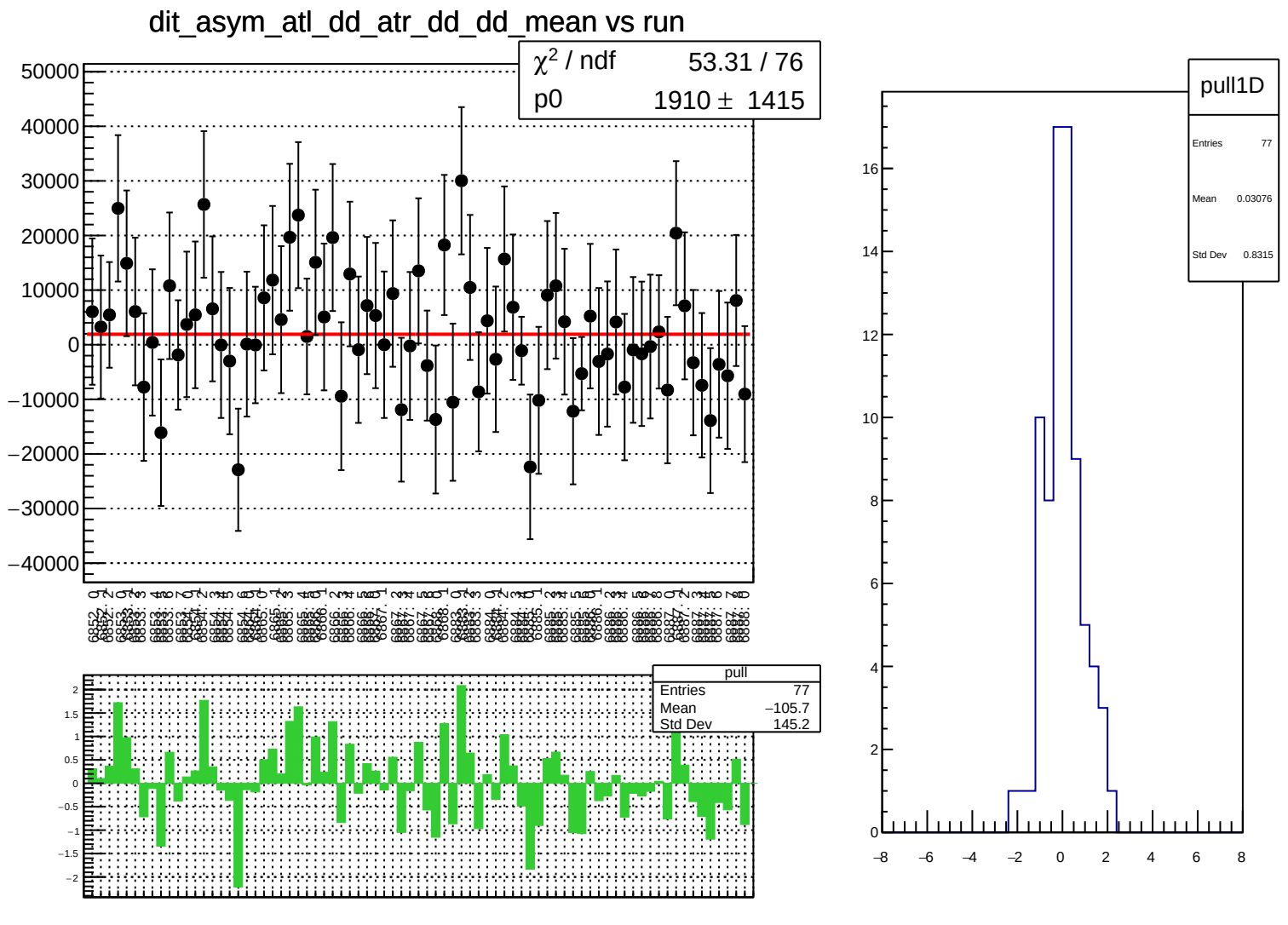

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 68.59 / 76
p0 3093 ± 4618
pull
Entries 77
Mean −37.66
Std Dev 95.68


pull1D
Entries 77
Mean −0.01439
Std Dev 0.9437

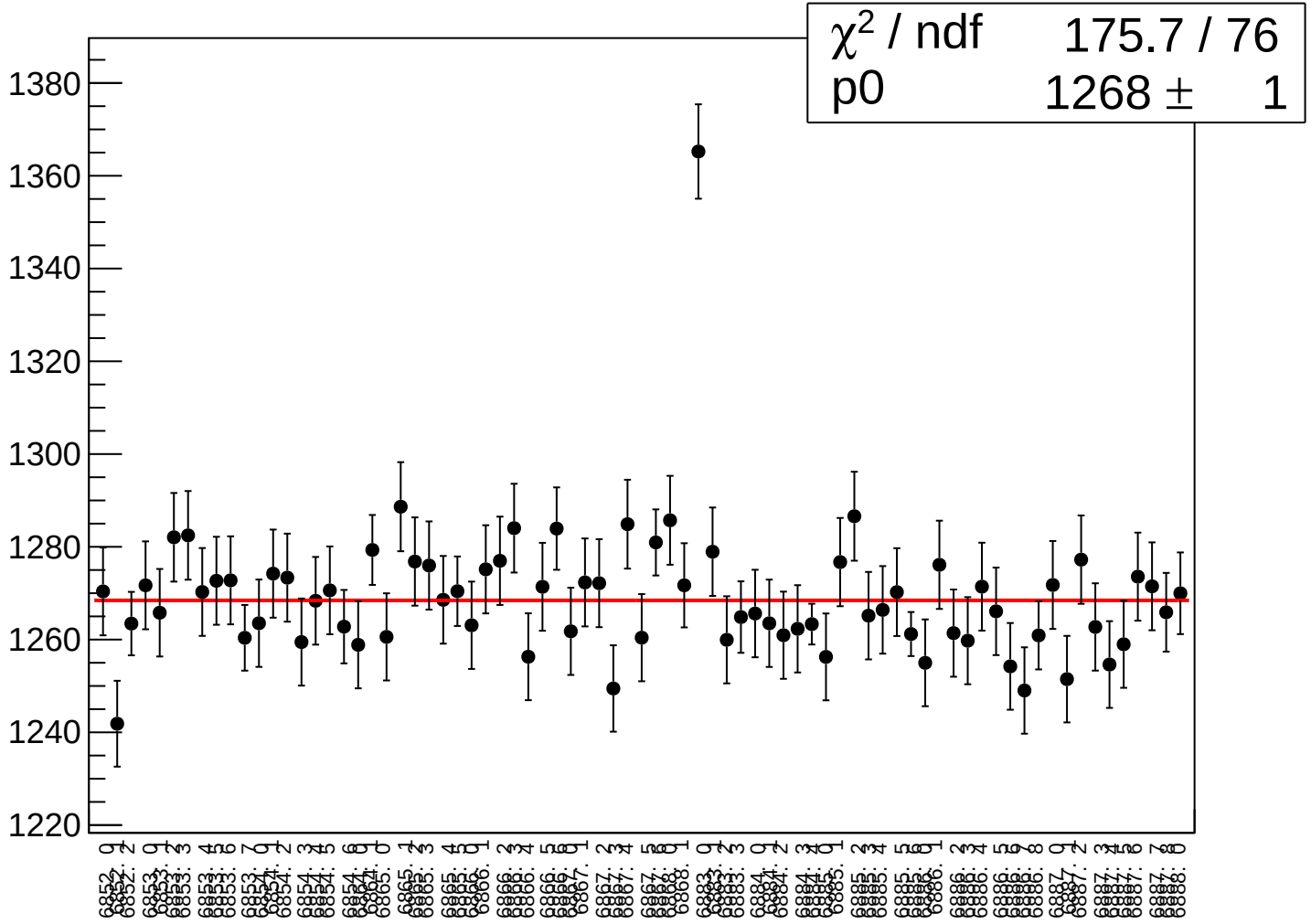

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5.181e+04 / 76
p0 4074 ± 3.266
6000
5500
5000
4500
4000
3500

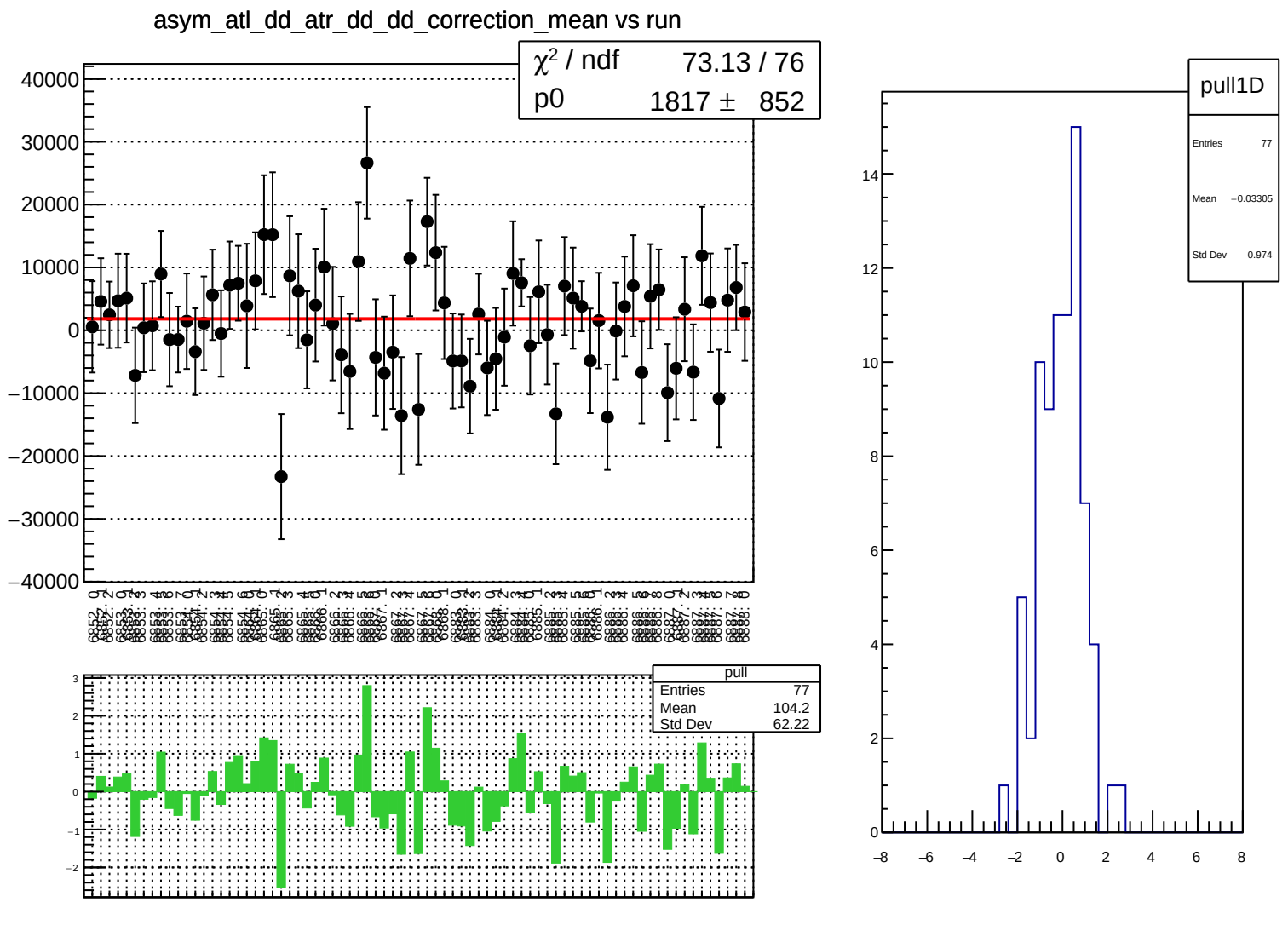

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 81.08 / 76
p0 −3049 ± 4794
pull
Entries 77
Mean −7.591
Std Dev 62.58
pull1D
Entries 77
Mean 0.02473
Std Dev 1.026

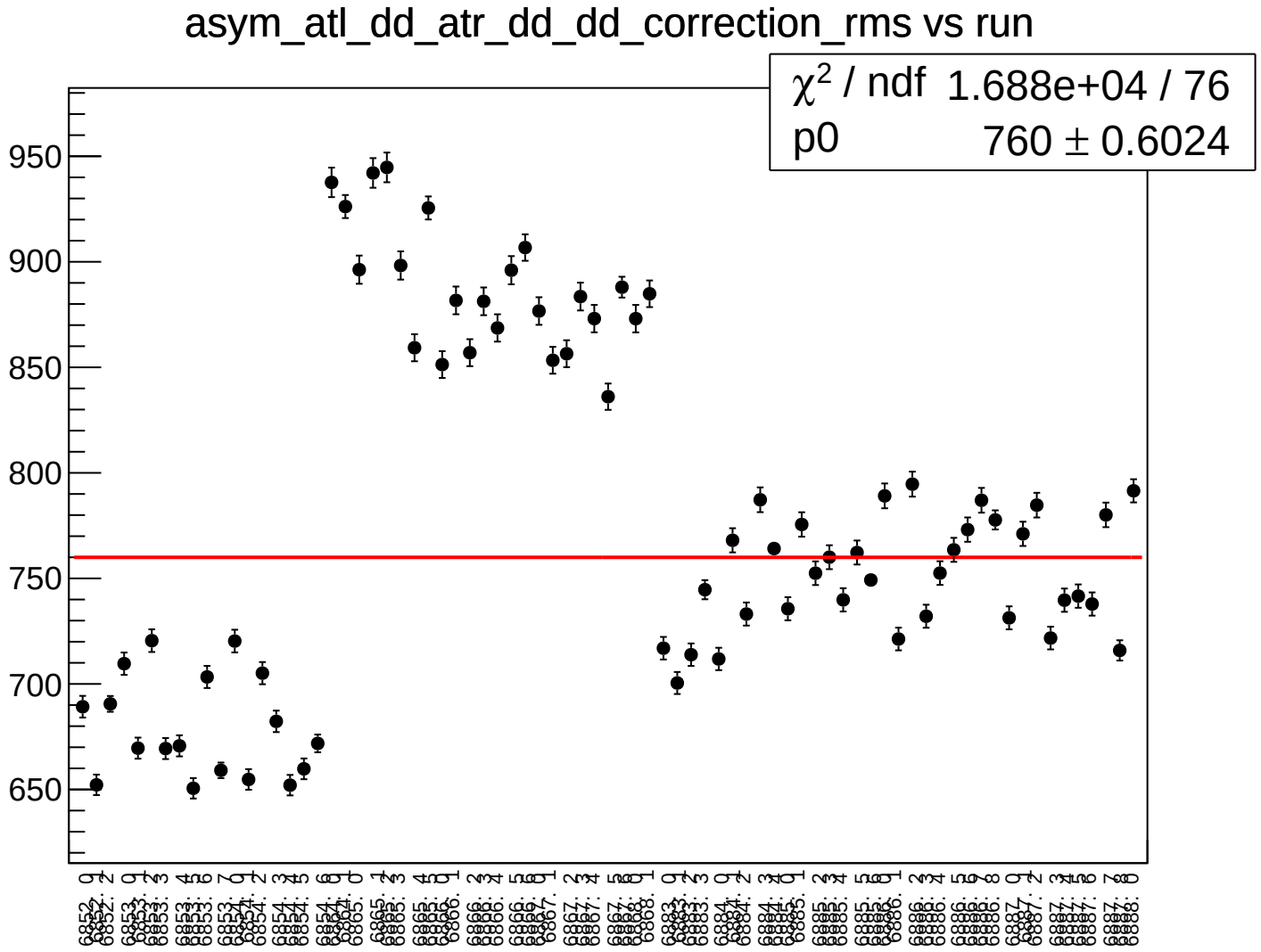

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4.698e+04 / 76
p0 4236 ± 3.39
6000
5500
5000
4500
4000
3500

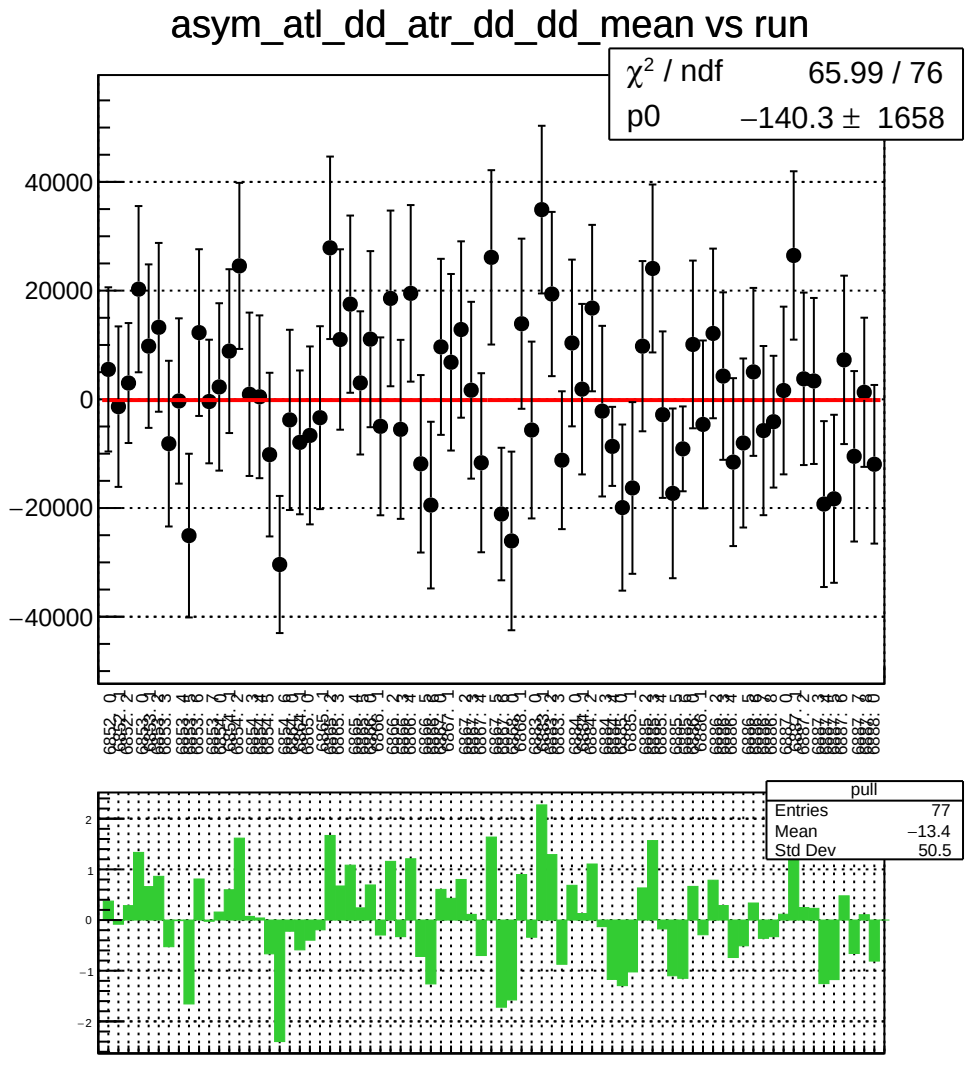

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 53.31 / 76
p0 1910 ± 1415
pull
Entries 77
Mean −105.7
Std Dev 145.2
pull1D
Entries 77
Mean 0.03076
Std Dev 0.8315

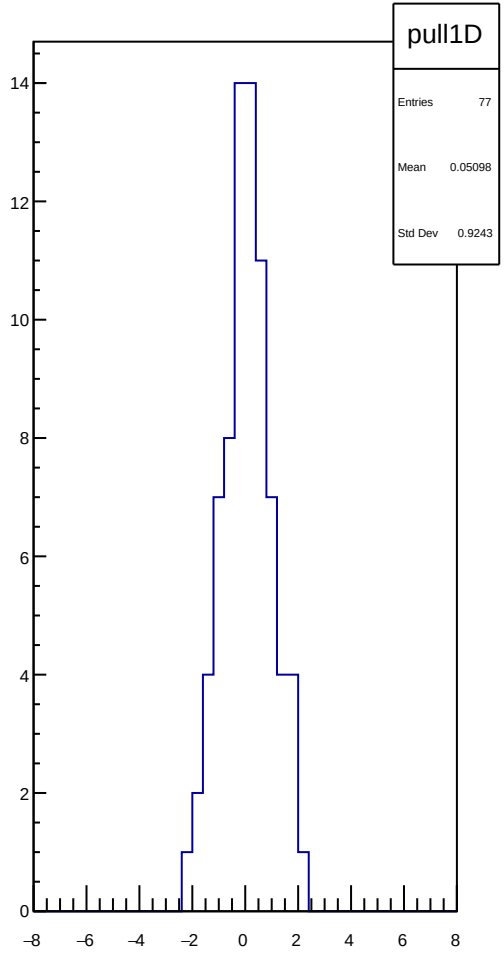
dit_asym_atl_dd_atr_dd_dd_rms vs run

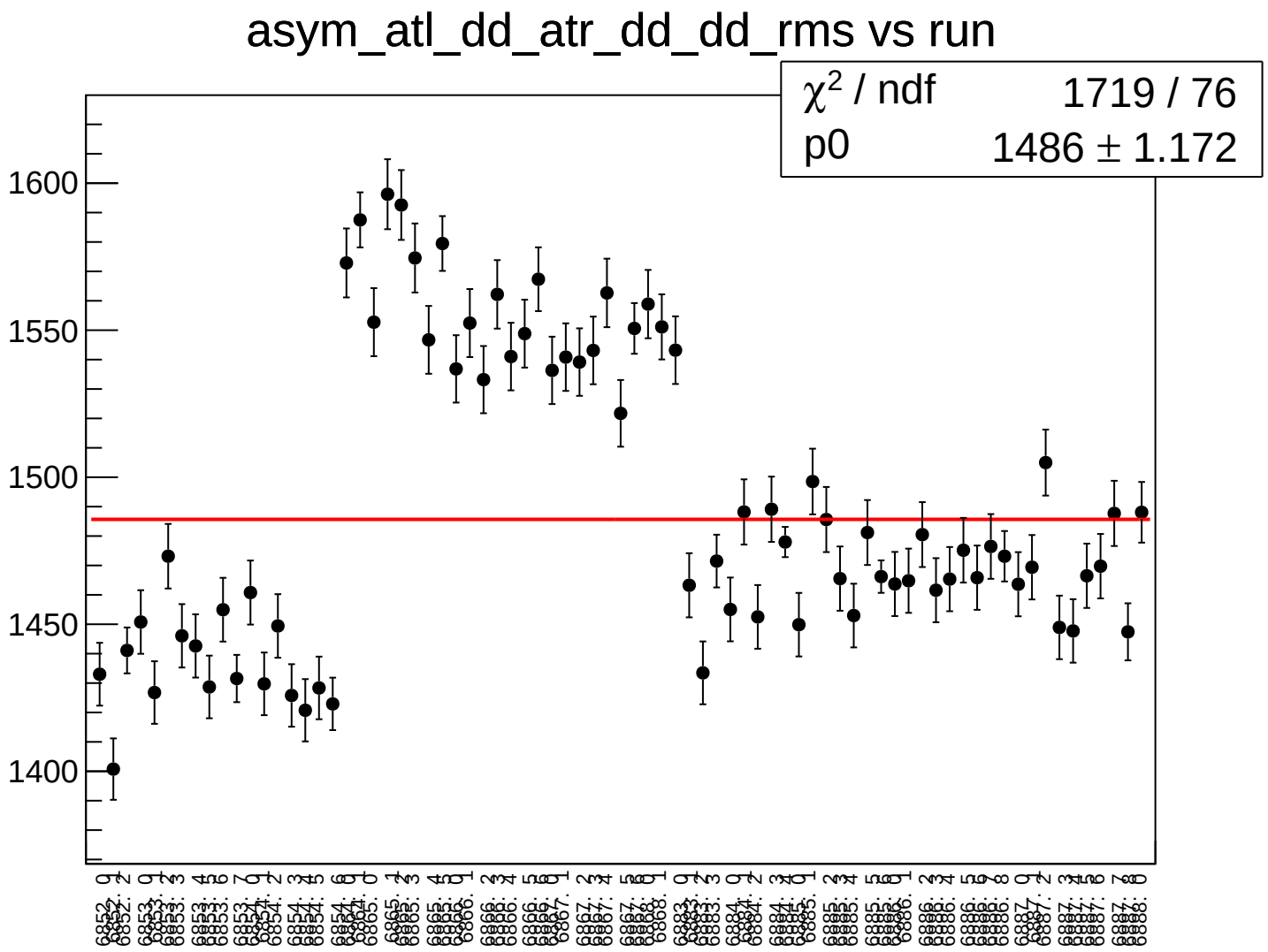


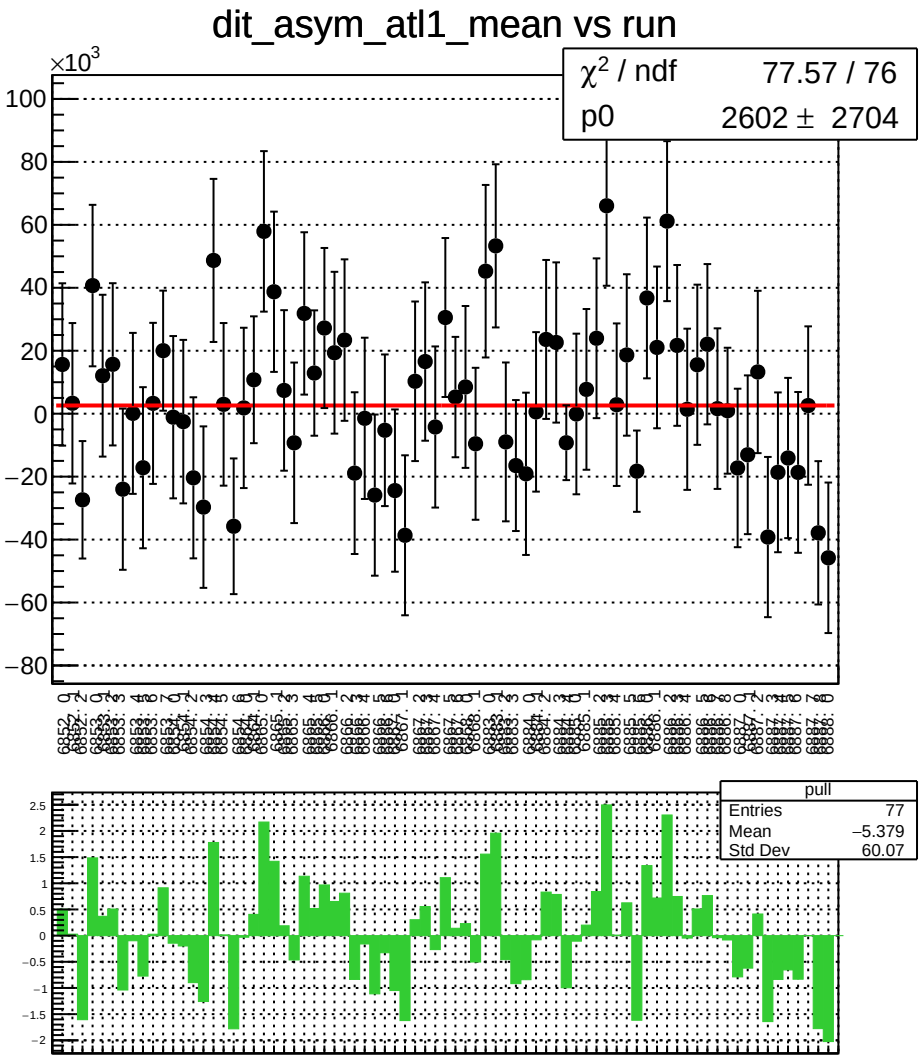

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 73.13 / 76
p0 1817 ± 852
pull
Entries 77
Mean 104.2
Std Dev 62.22
pull1D
Entries 77
Mean −0.03305
Std Dev 0.974

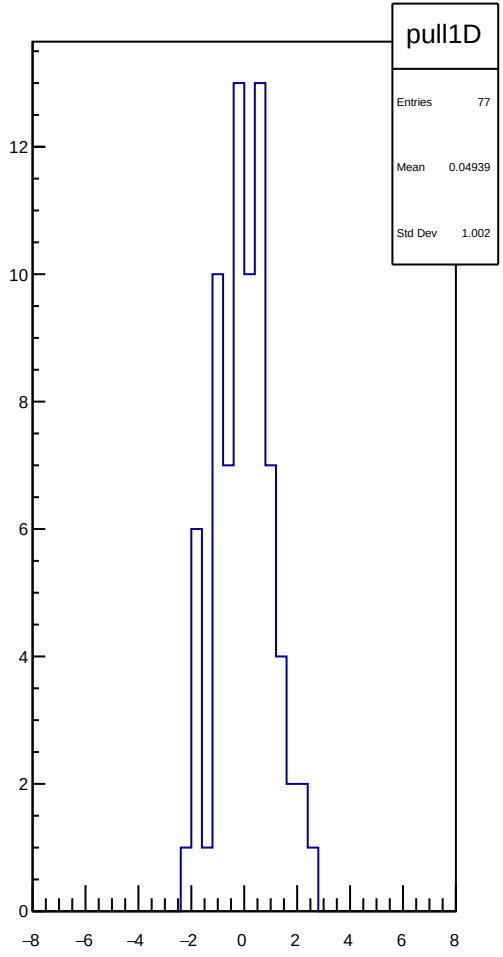

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ2 / ndf 1.688e+04 / 76
p0 760 ± 0.6024
950
900
850
800
750
700
650

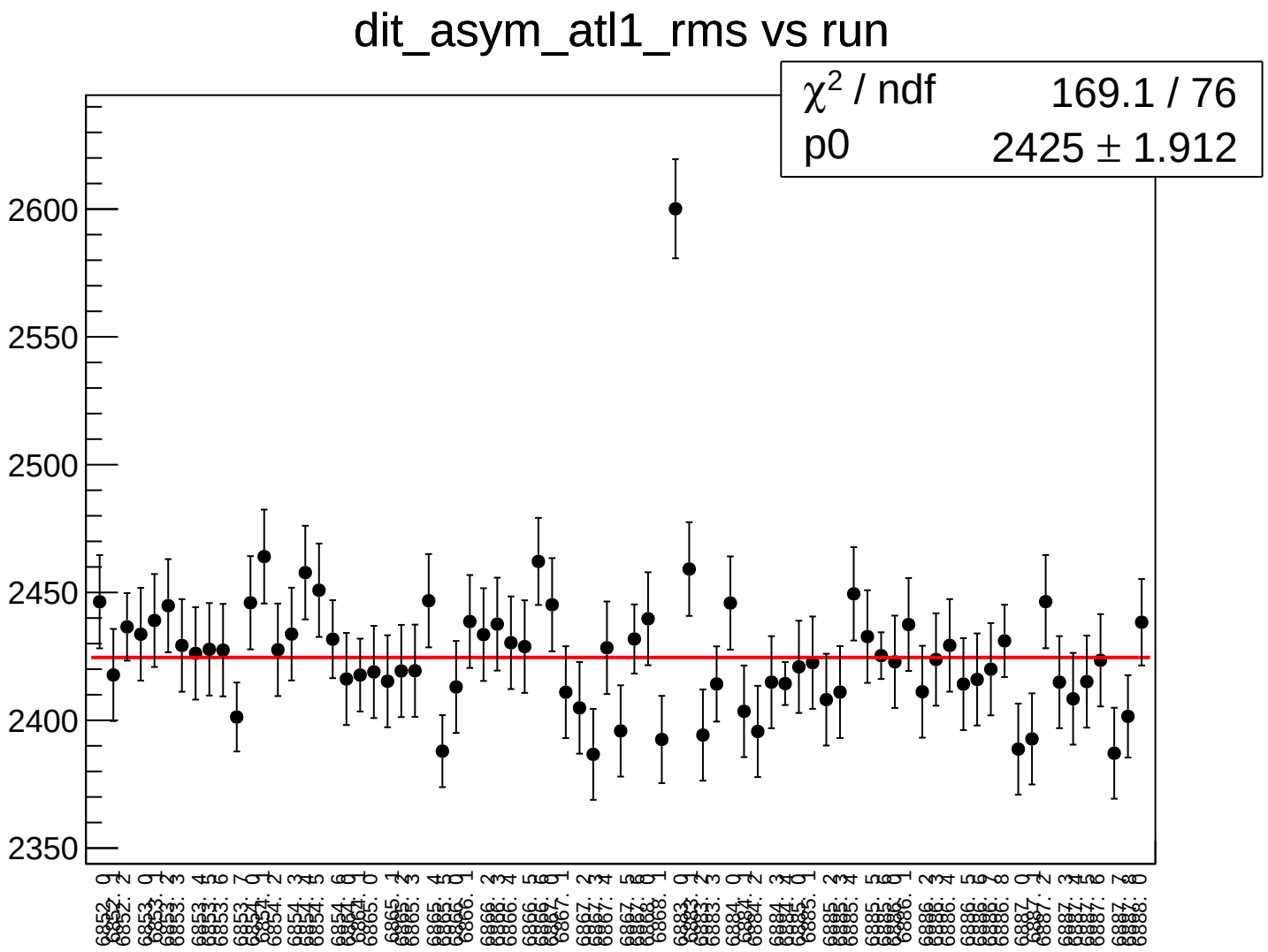

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 65.99 / 76
p0 −140.3 ± 1658
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −13.4
Std Dev 50.5
2
1
0
−1
−2

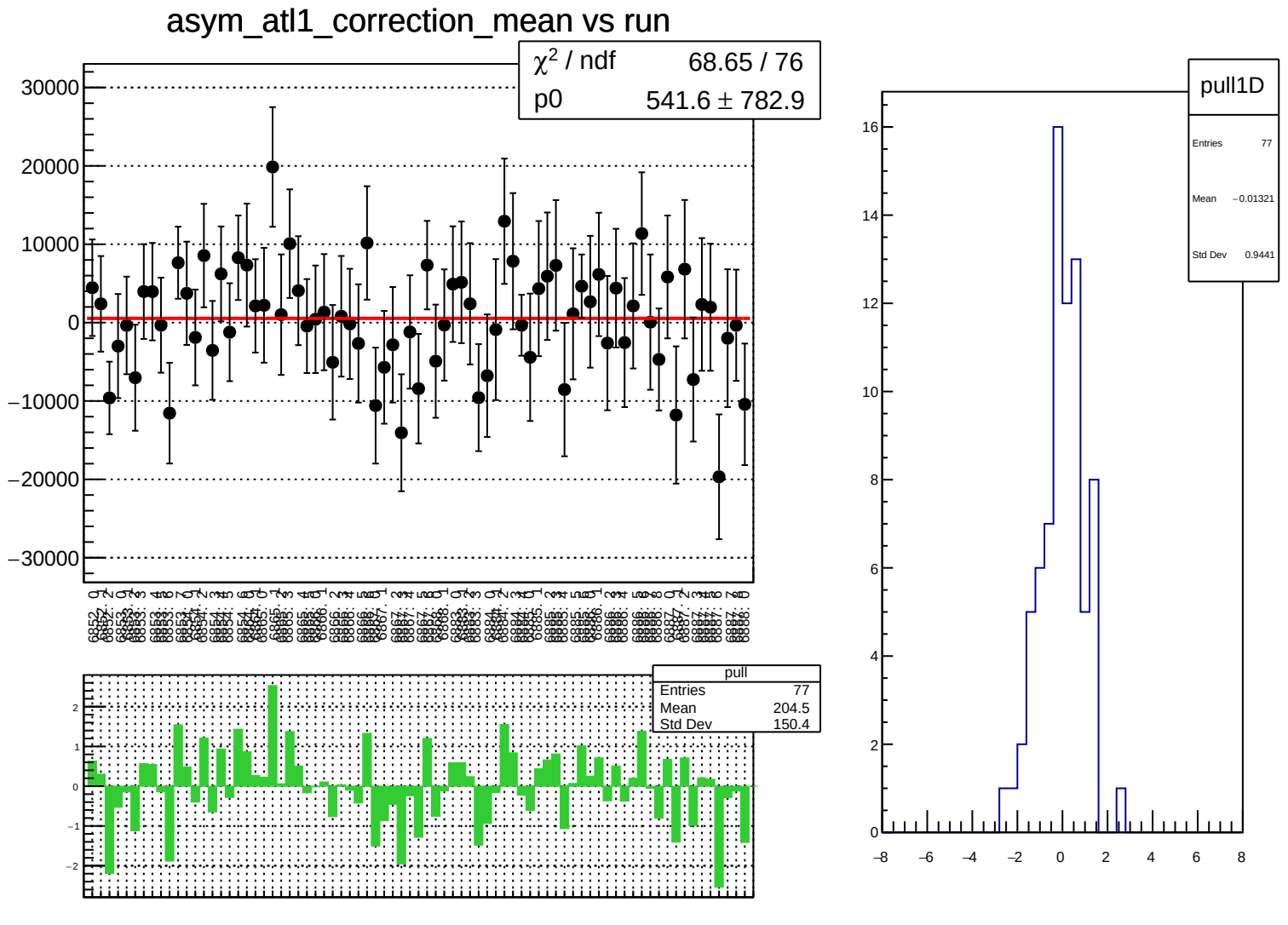

pull1D
Entries 77
Mean 0.05098
Std Dev 0.9243
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1719 / 76
p0 1486 ± 1.172
1600
1550
1500
1450
1400

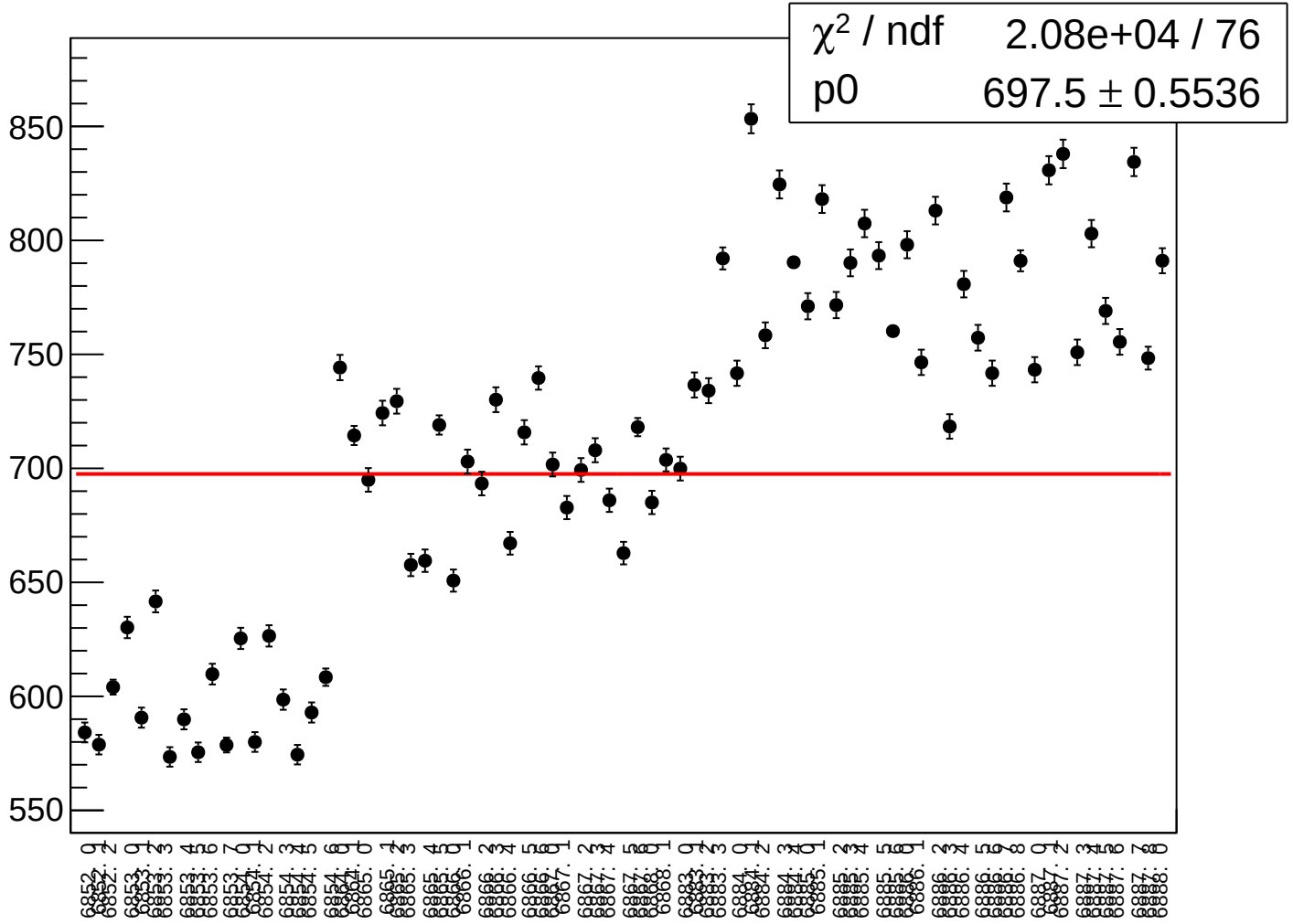

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 77.57 / 76
p0 2602 ± 2704
pull
Entries 77
Mean −5.379
Std Dev 60.07

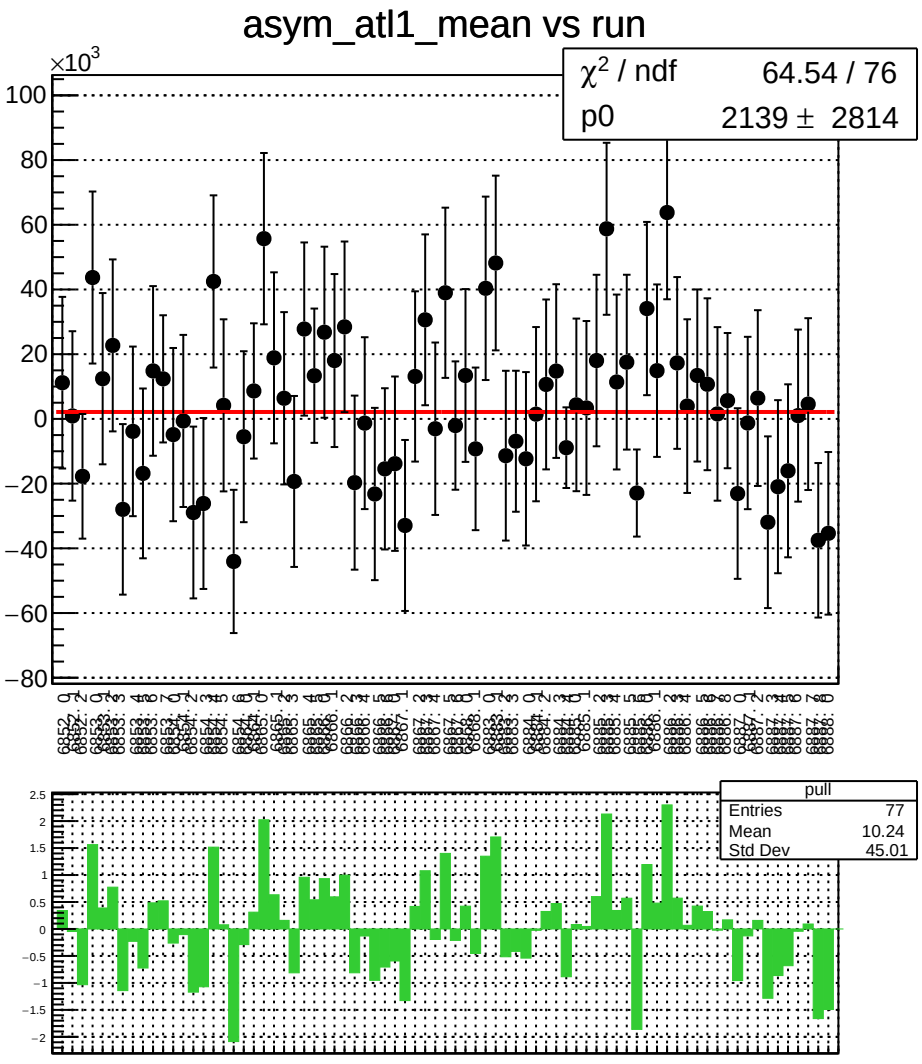

pull1D
Entries 77
Mean 0.04939
Std Dev 1.002

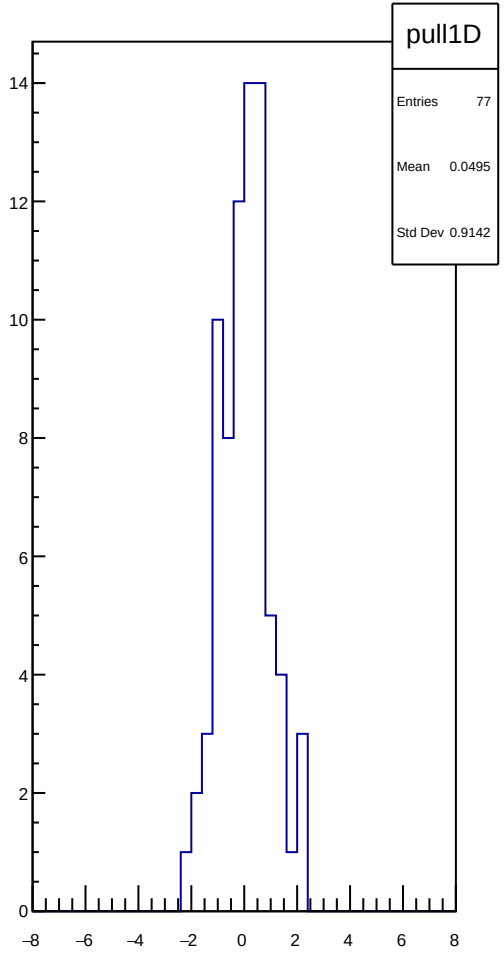

dit_asym_atl1_rms vs run
χ² / ndf 169.1 / 76
p0 2425 ± 1.912
2600
2550
2500
2450
2400
2350

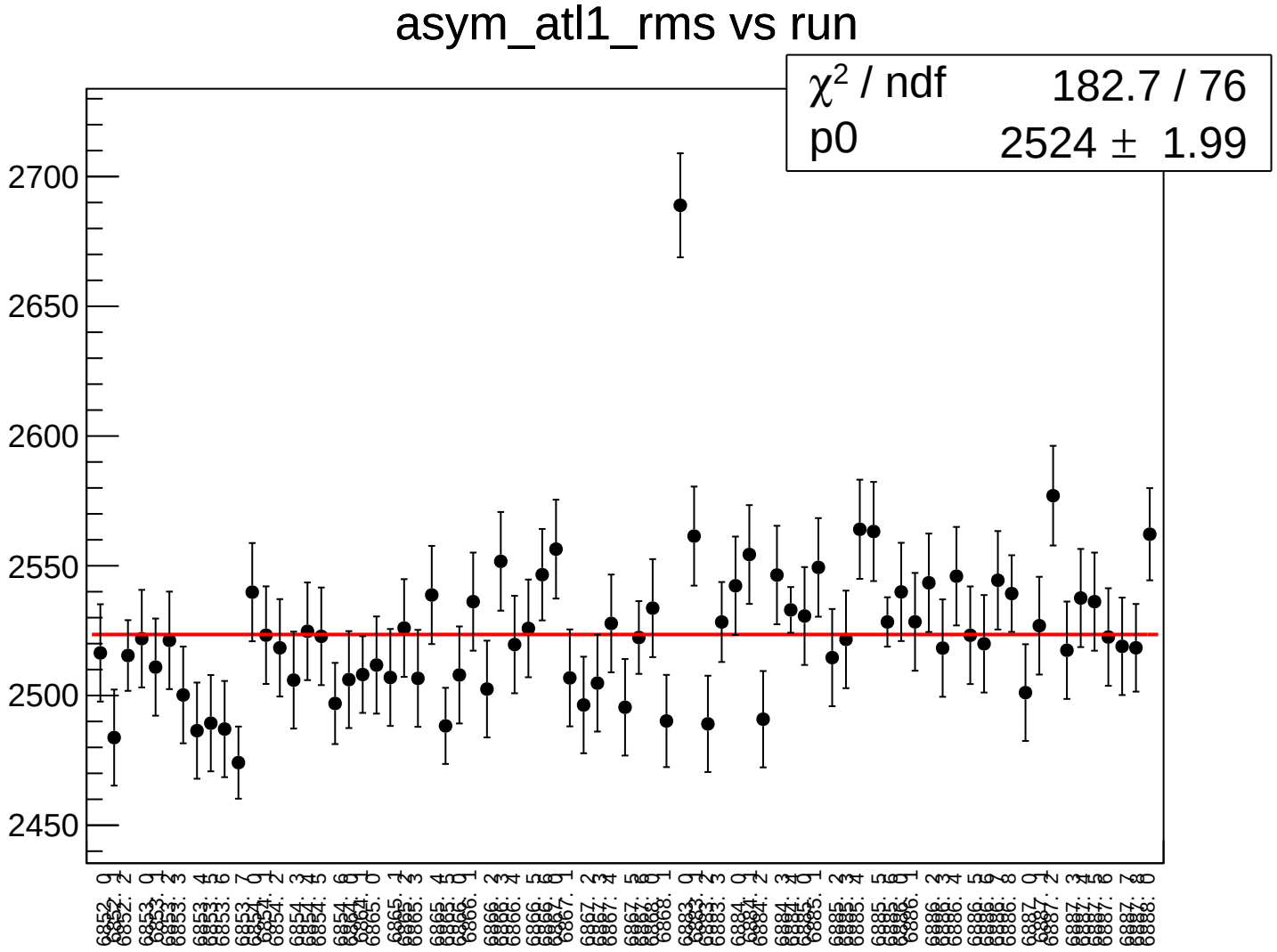

asym_atl1_correction_mean vs run
χ² / ndf 68.65 / 76
p0 541.6 ± 782.9
pull
Entries 77
Mean 204.5
Std Dev 150.4
pull1D
Entries 77
Mean −0.01321
Std Dev 0.9441

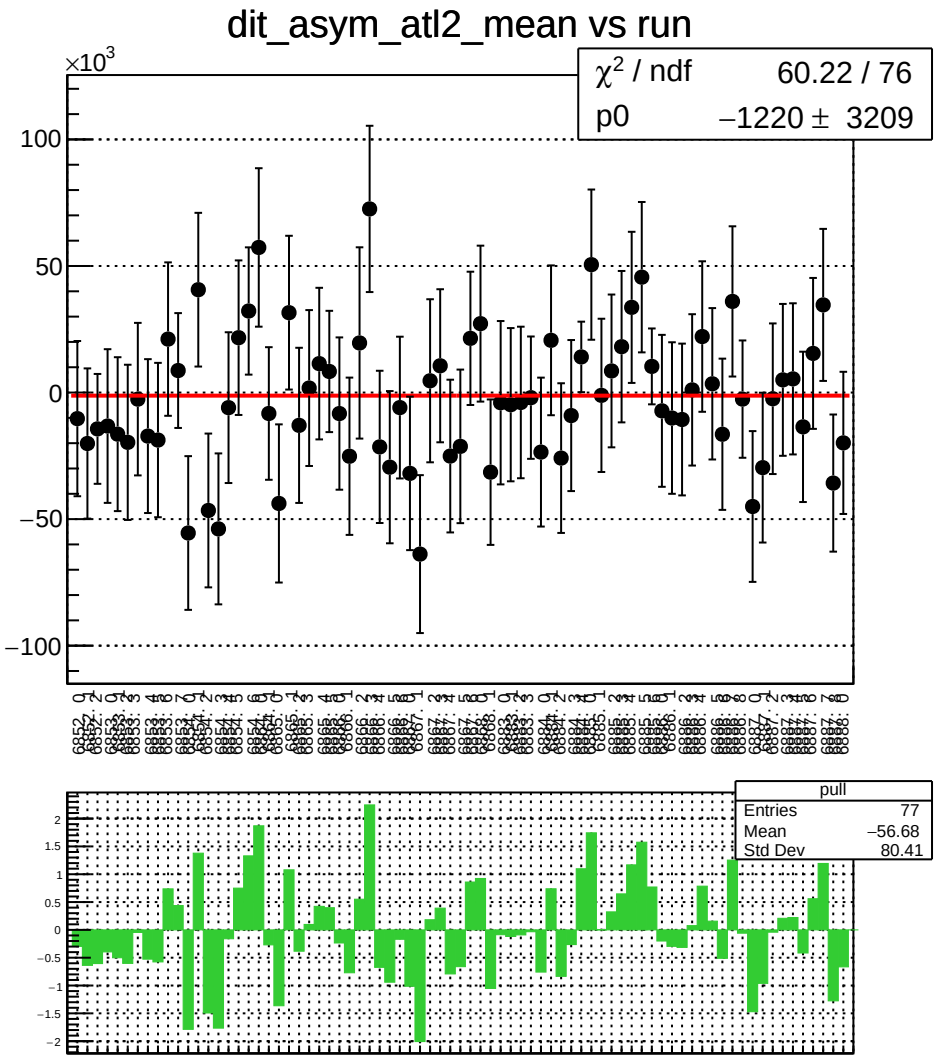
asym_atl1_correction_rms vs run

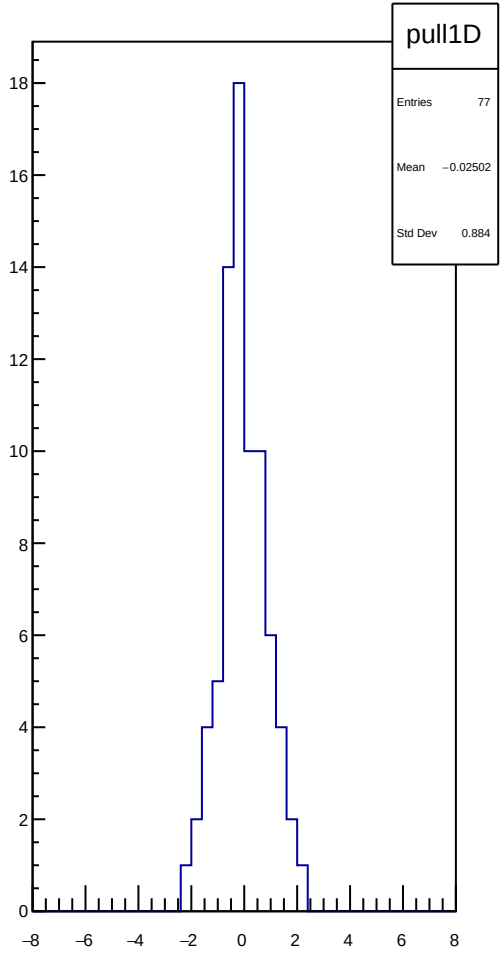



asym_atl1_mean vs run
χ^2 / ndf 64.54 / 76
p0 2139 ± 2814
×10^3
pull
Entries 77
Mean 10.24
Std Dev 45.01

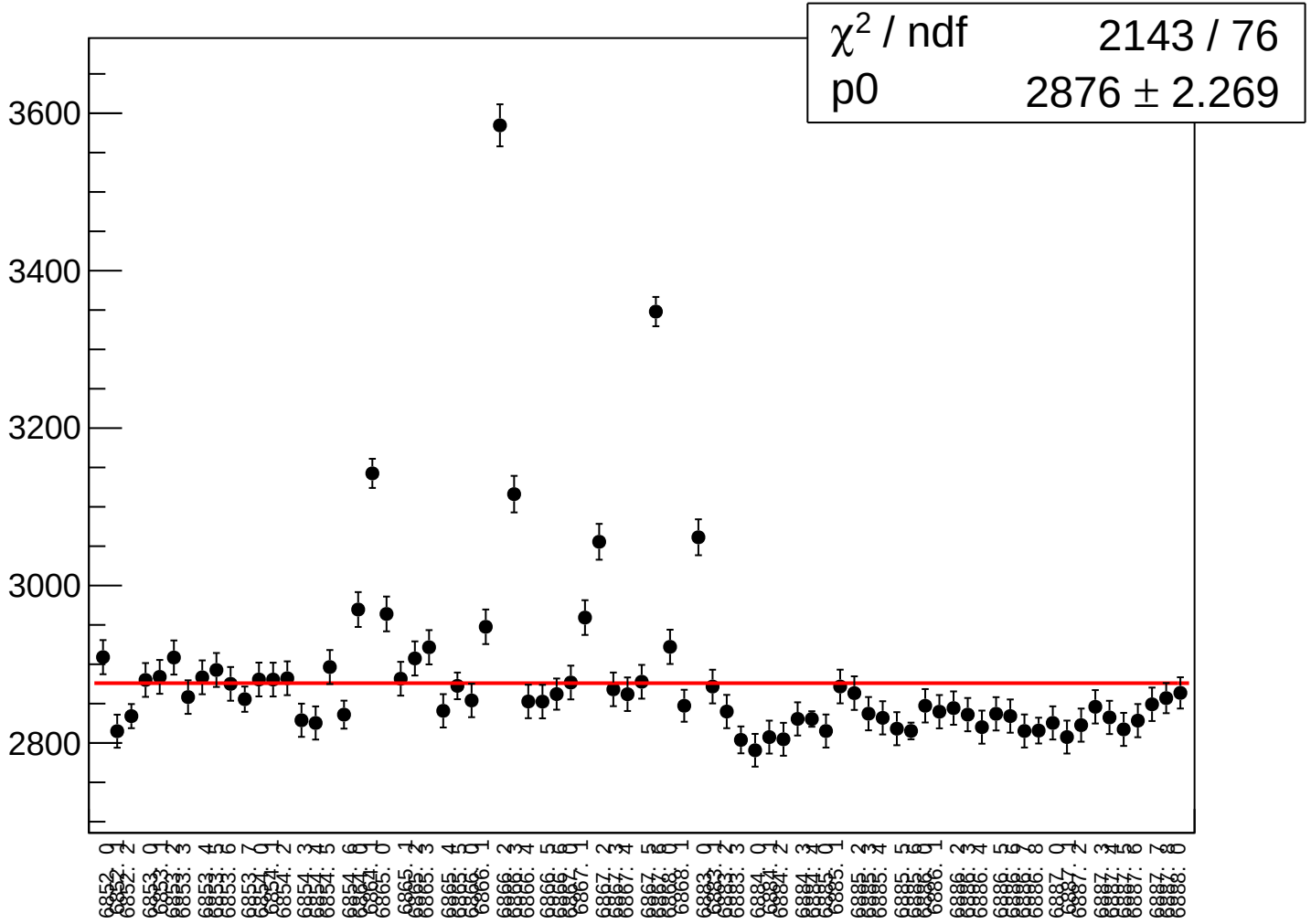

pull1D
Entries 77
Mean 0.0495
Std Dev 0.9142

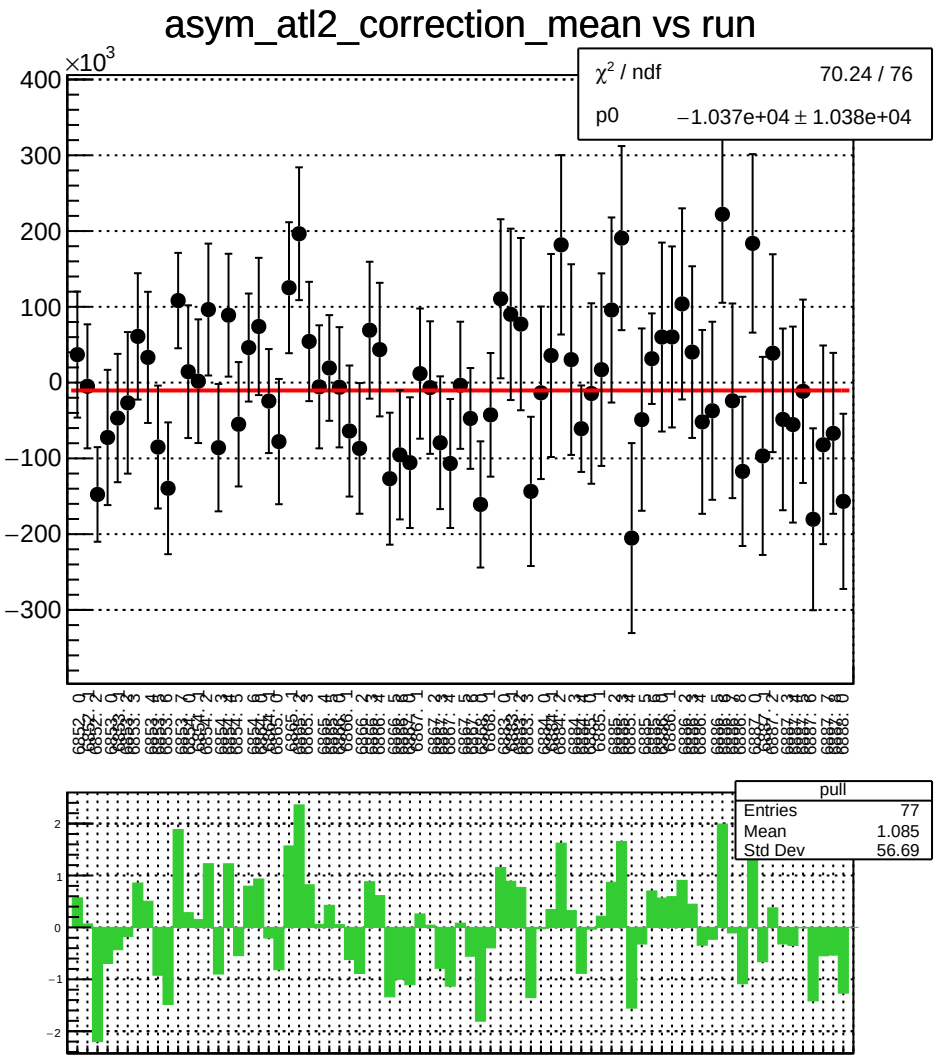

asym_atl1_rms vs run
χ² / ndf 182.7 / 76
p0 2524 ± 1.99
2700
2650
2600
2550
2500
2450

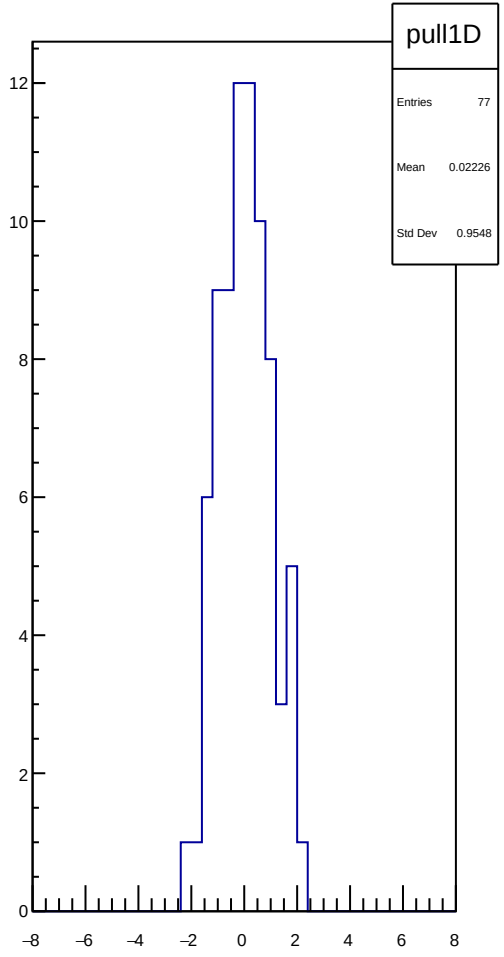

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 60.22 / 76
p0 −1220 ± 3209
100
50
0
−50
−100
pull
Entries 77
Mean −56.68
Std Dev 80.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 77
Mean −0.02502
Std Dev 0.884
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

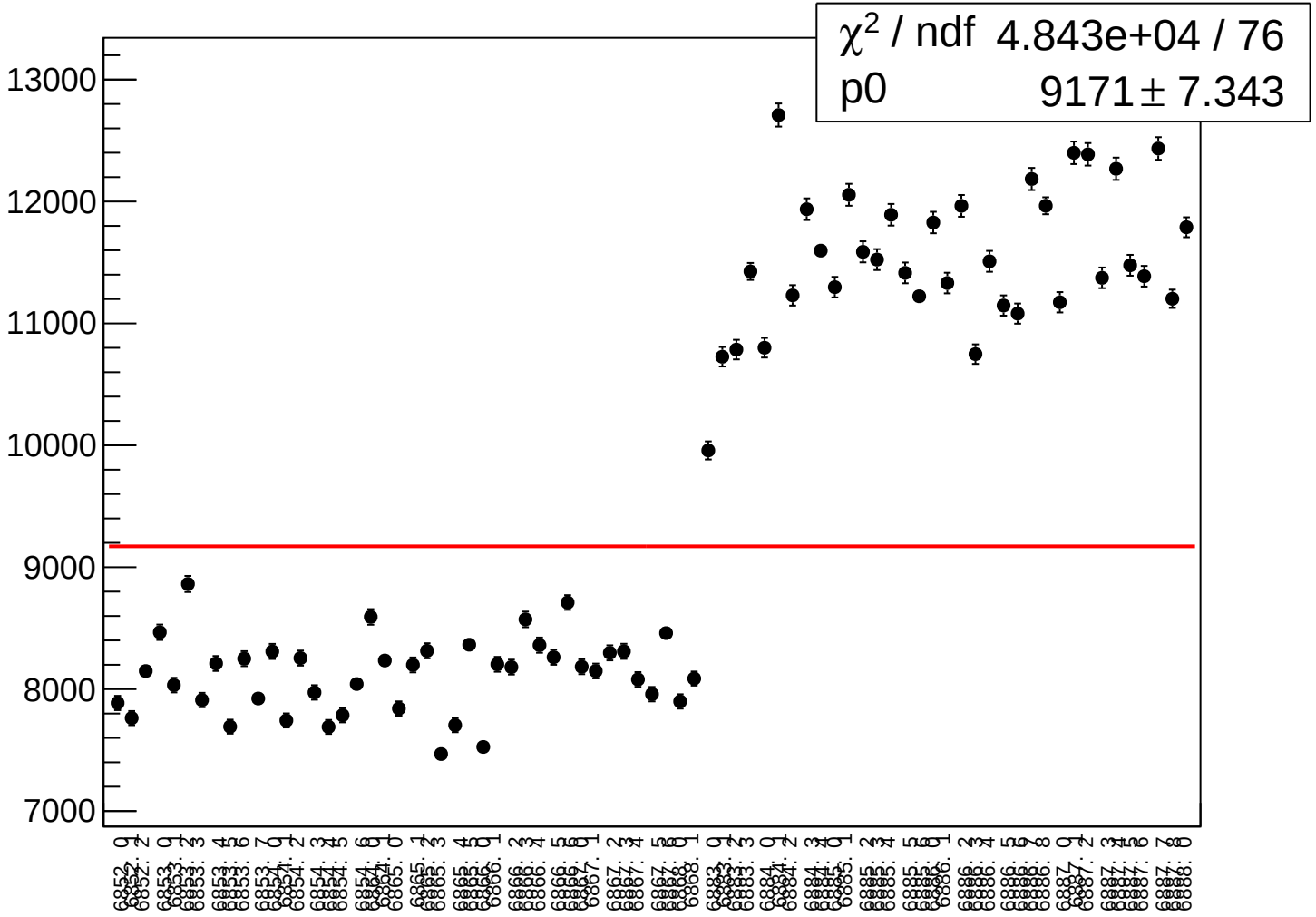
dit_asym_atl2_rms vs run

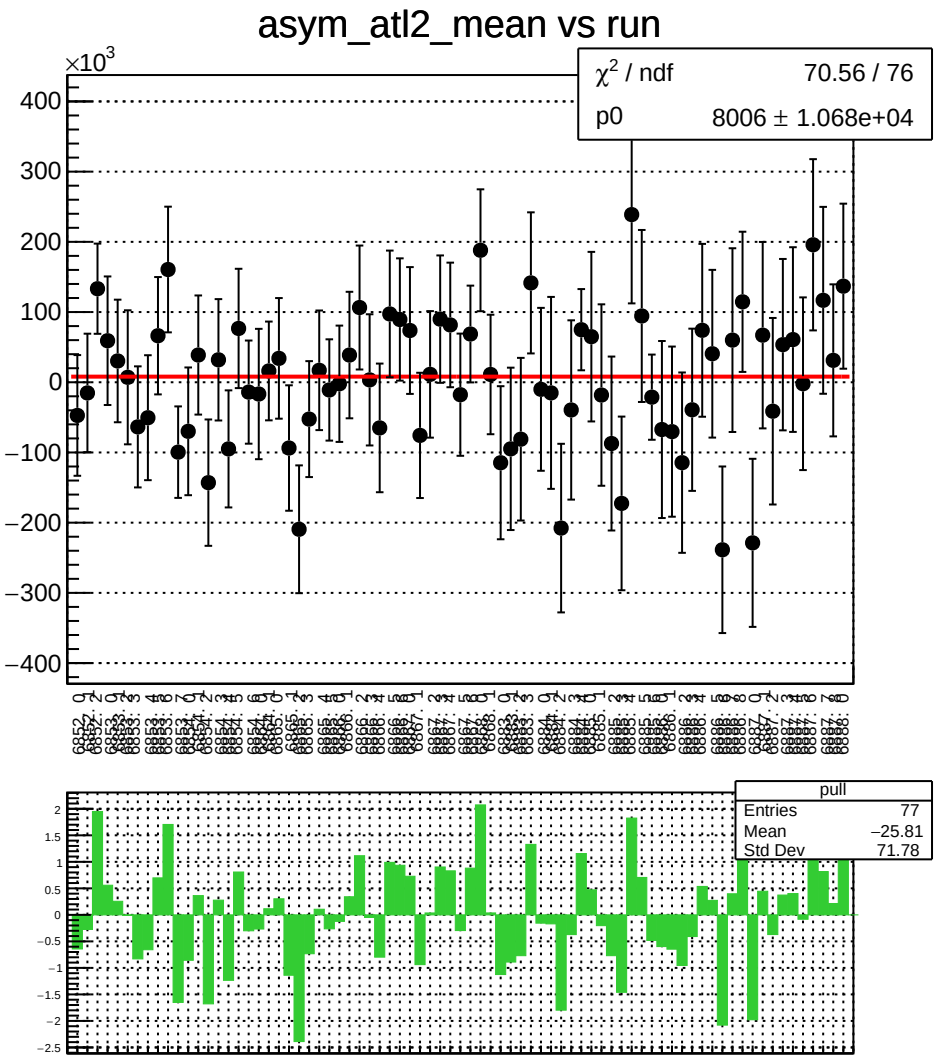


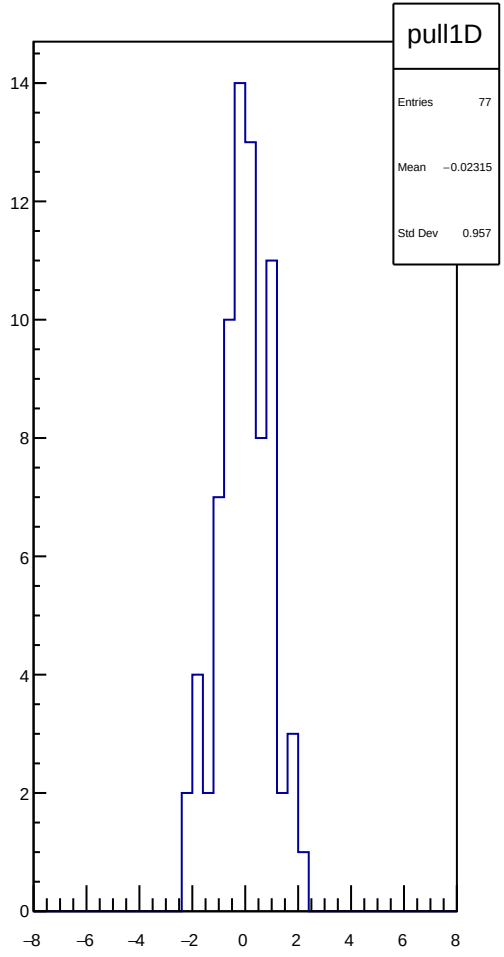

asym_atl2_correction_mean vs run
×10^3
400
300
200
100
0
−100
−200
−300
χ² / ndf 70.24 / 76
p0 −1.037e+04 ± 1.038e+04
pull
Entries 77
Mean 1.085
Std Dev 56.69
2
1
0
−1
−2

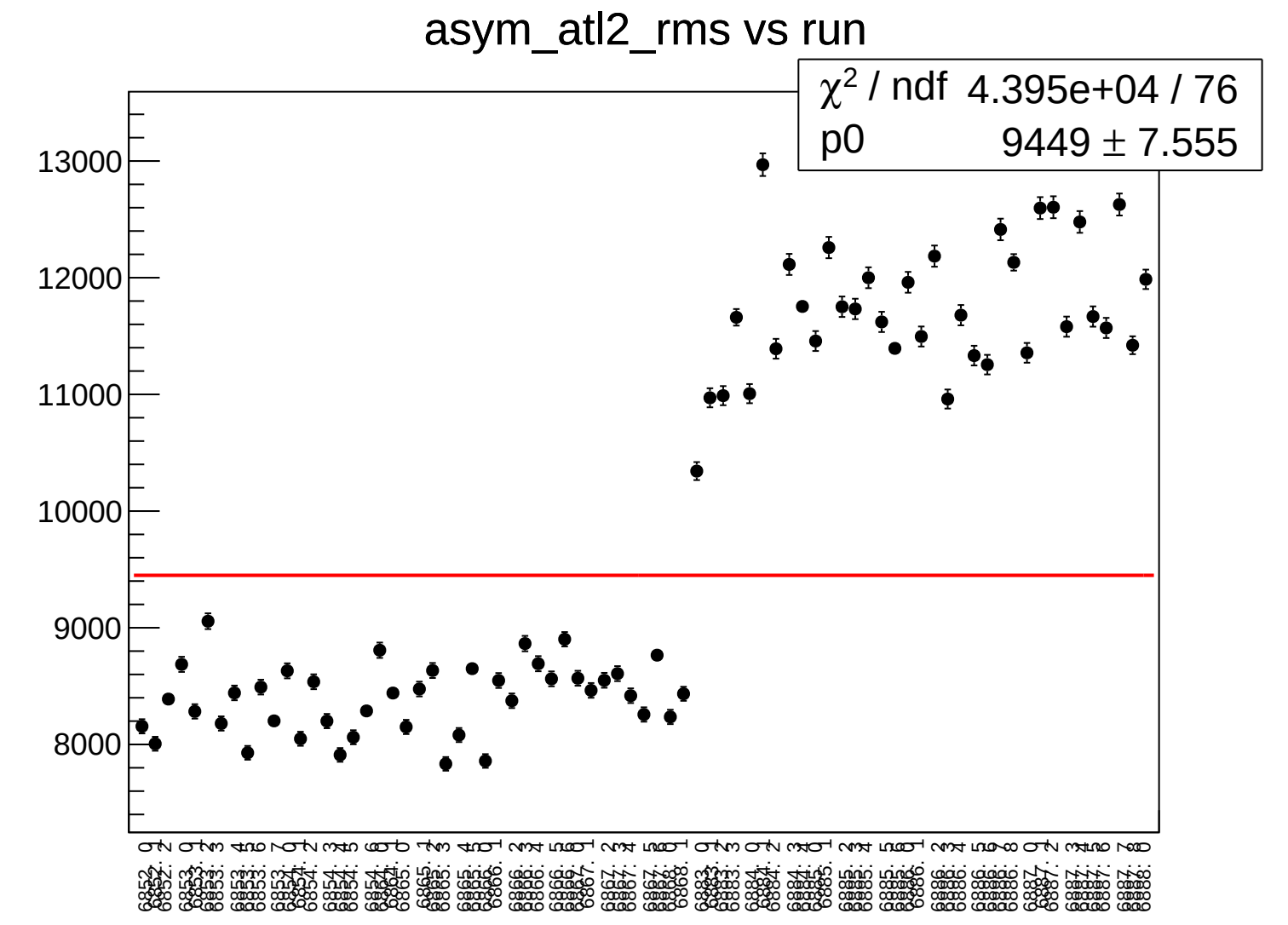

pull1D
Entries 77
Mean 0.02226
Std Dev 0.9548
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

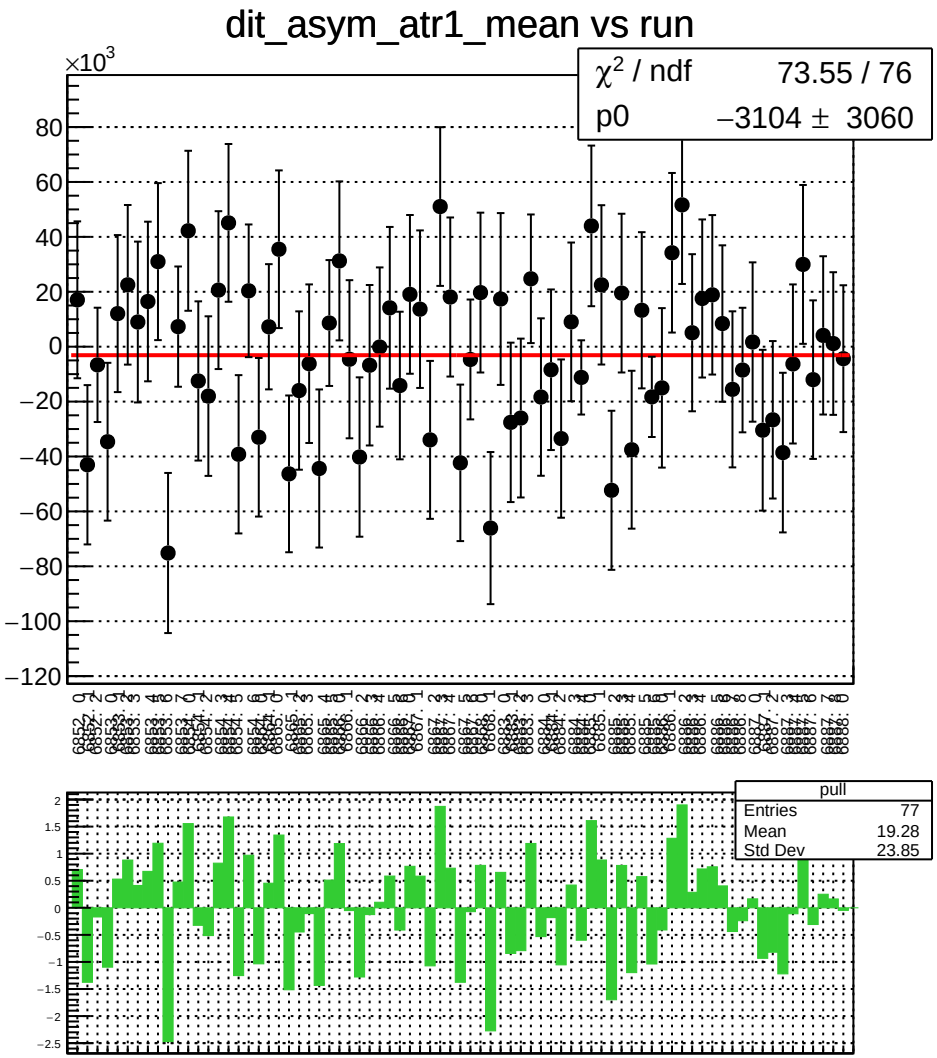
asym_atl2_correction_rms vs run

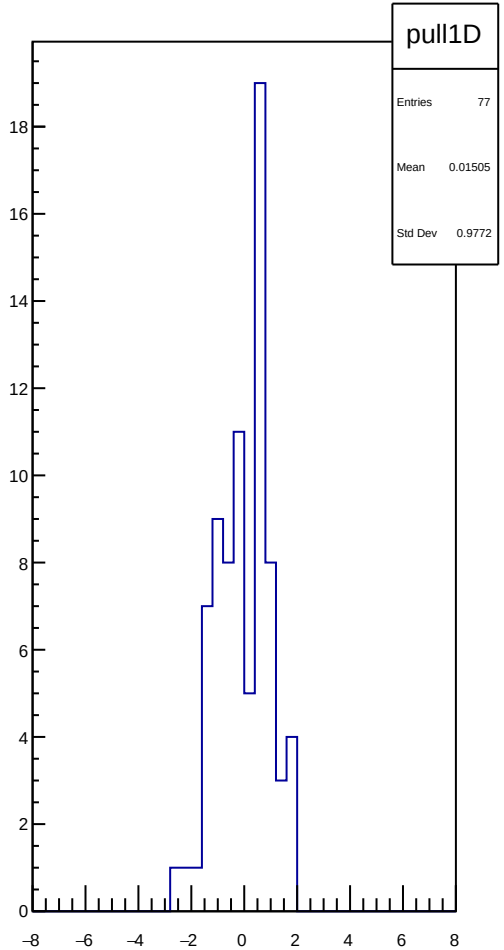



asym_atl2_mean vs run
×10^3
χ² / ndf 70.56 / 76
p0 8006 ± 1.068e+04
pull
Entries 77
Mean −25.81
Std Dev 71.78

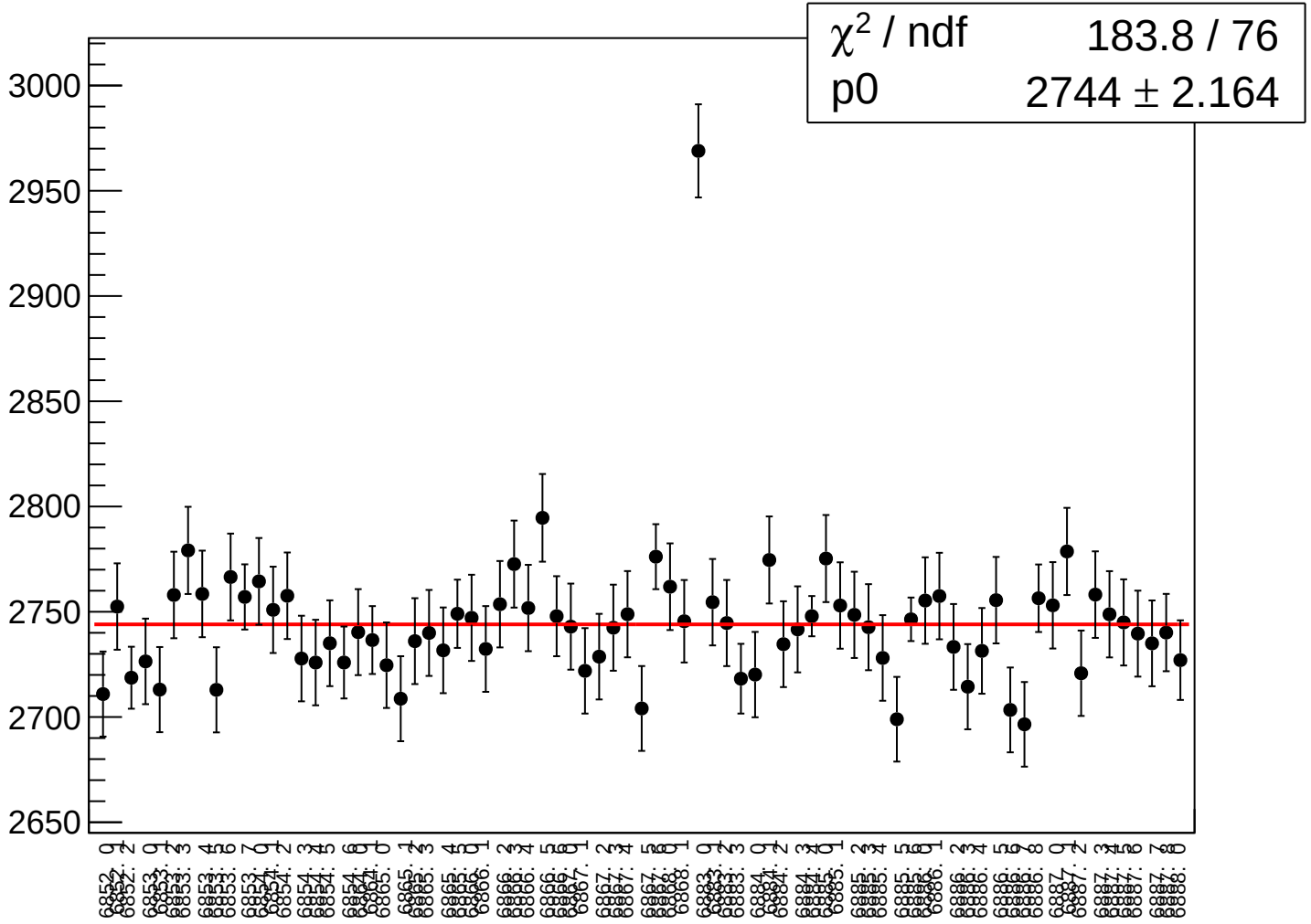

pull1D
Entries 77
Mean −0.02315
Std Dev 0.957

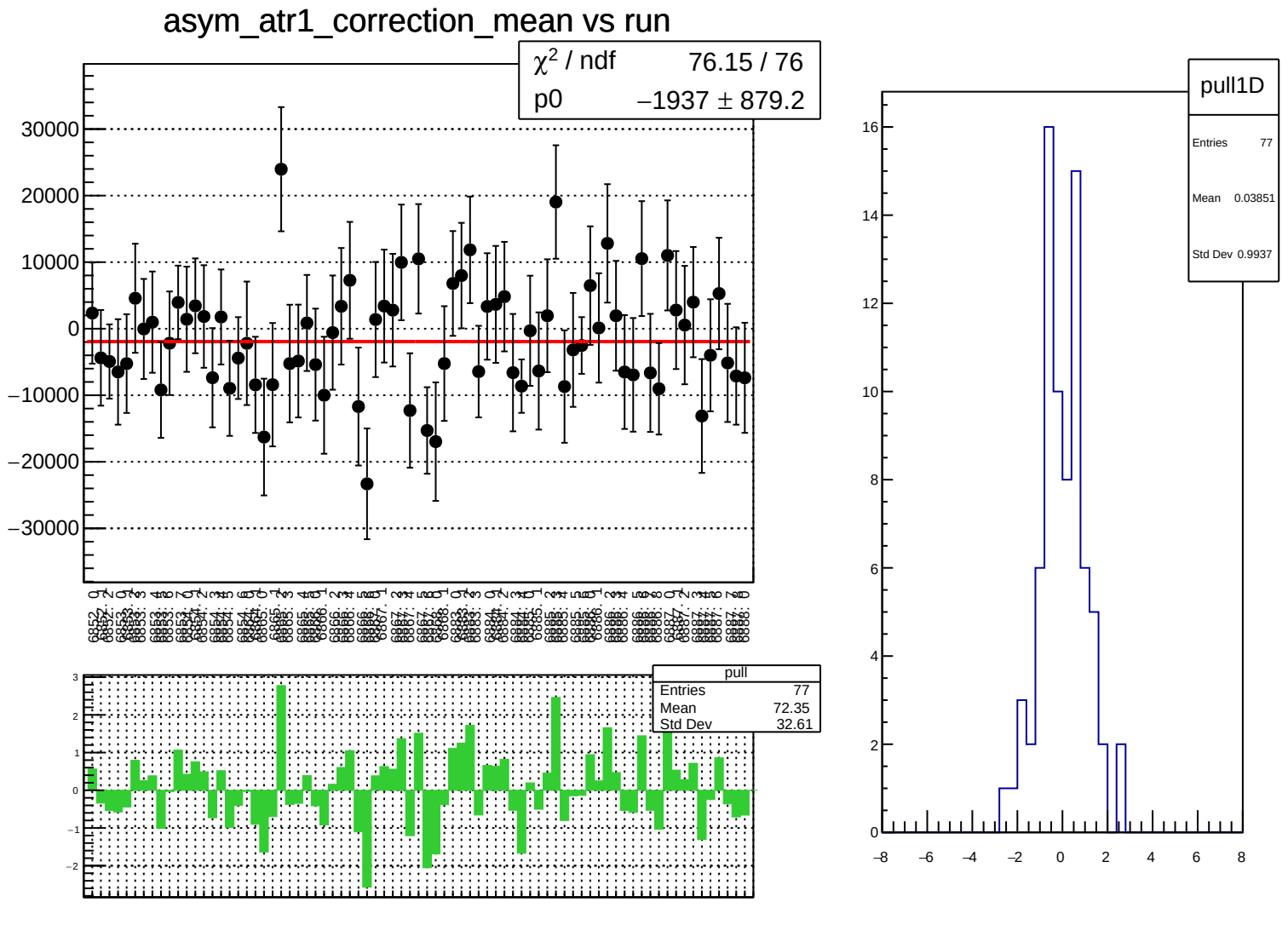

asym_atl2_rms vs run
χ² / ndf 4.395e+04 / 76
p0 9449 ± 7.555
13000
12000
11000
10000
9000
8000

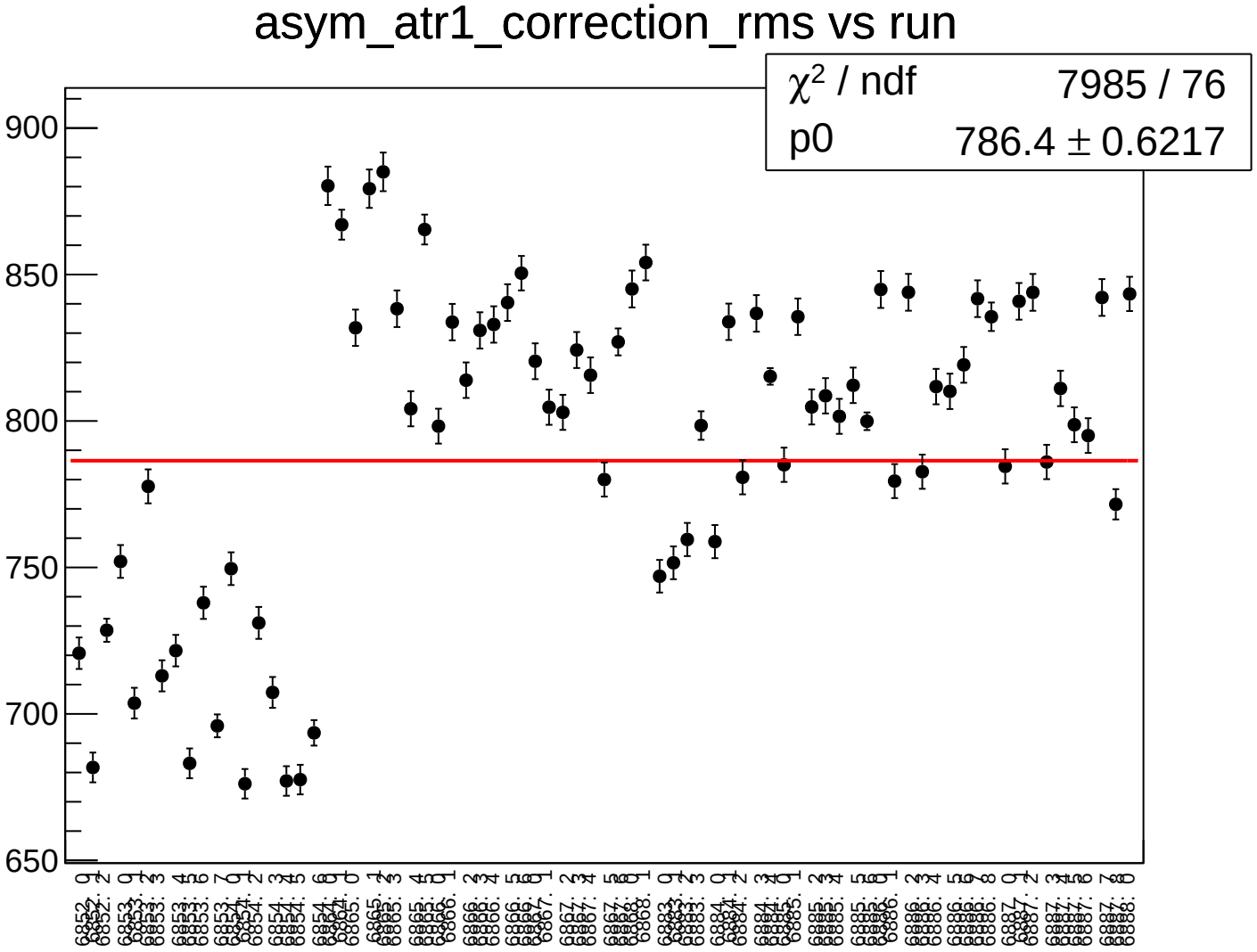

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 73.55 / 76
p0 −3104 ± 3060
pull
Entries 77
Mean 19.28
Std Dev 23.85

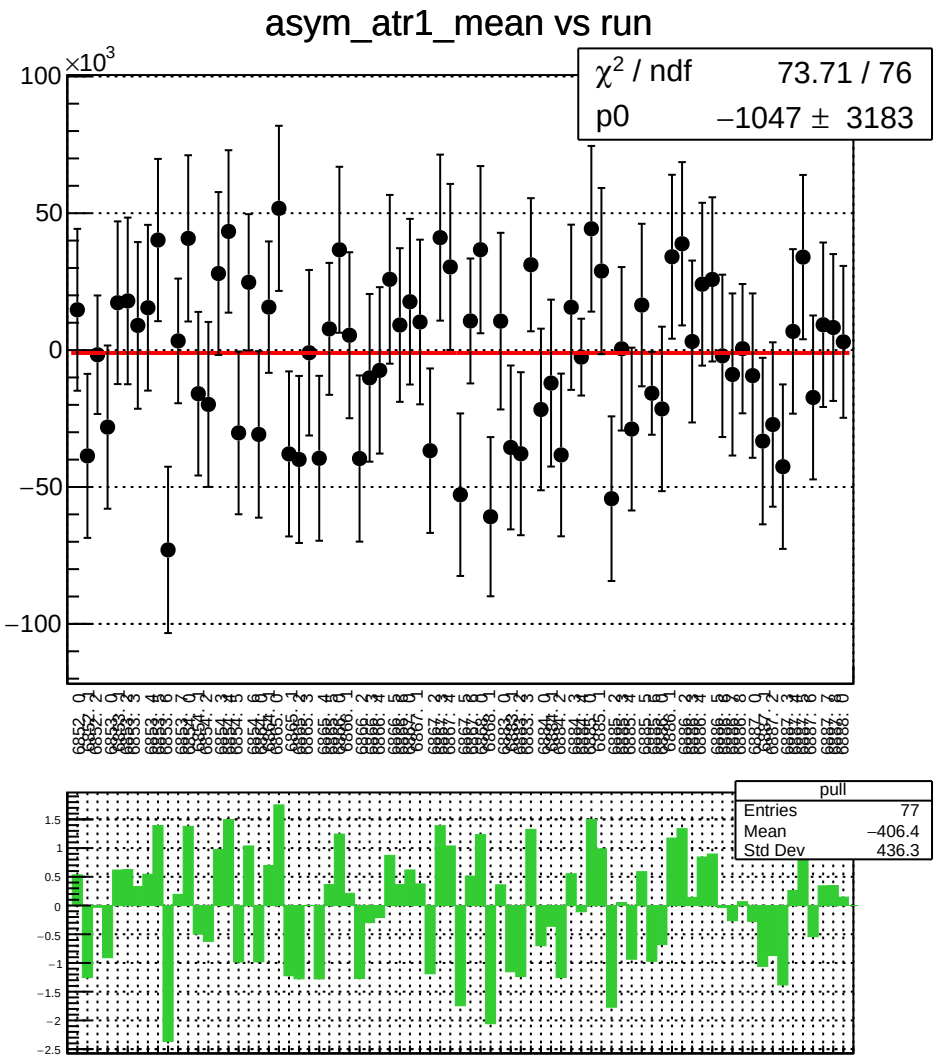

pull1D
Entries 77
Mean 0.01505
Std Dev 0.9772

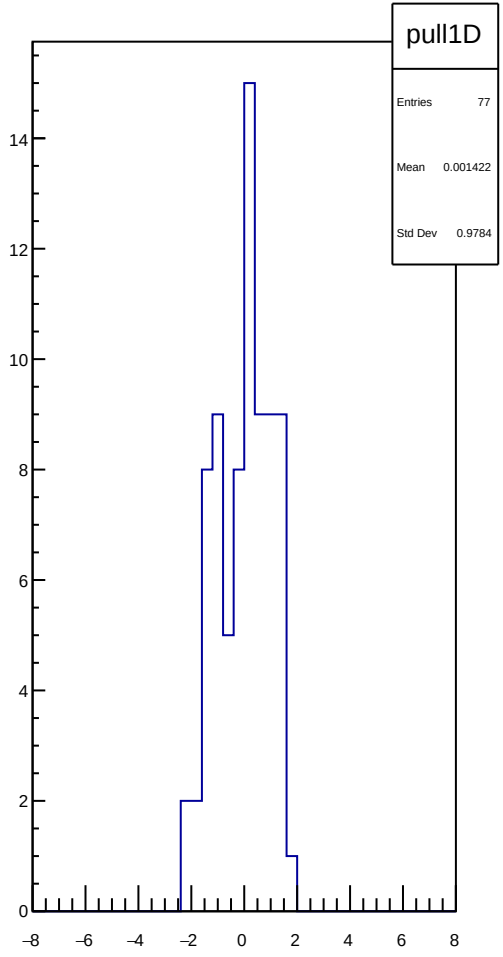
dit_asym_atr1_rms vs run

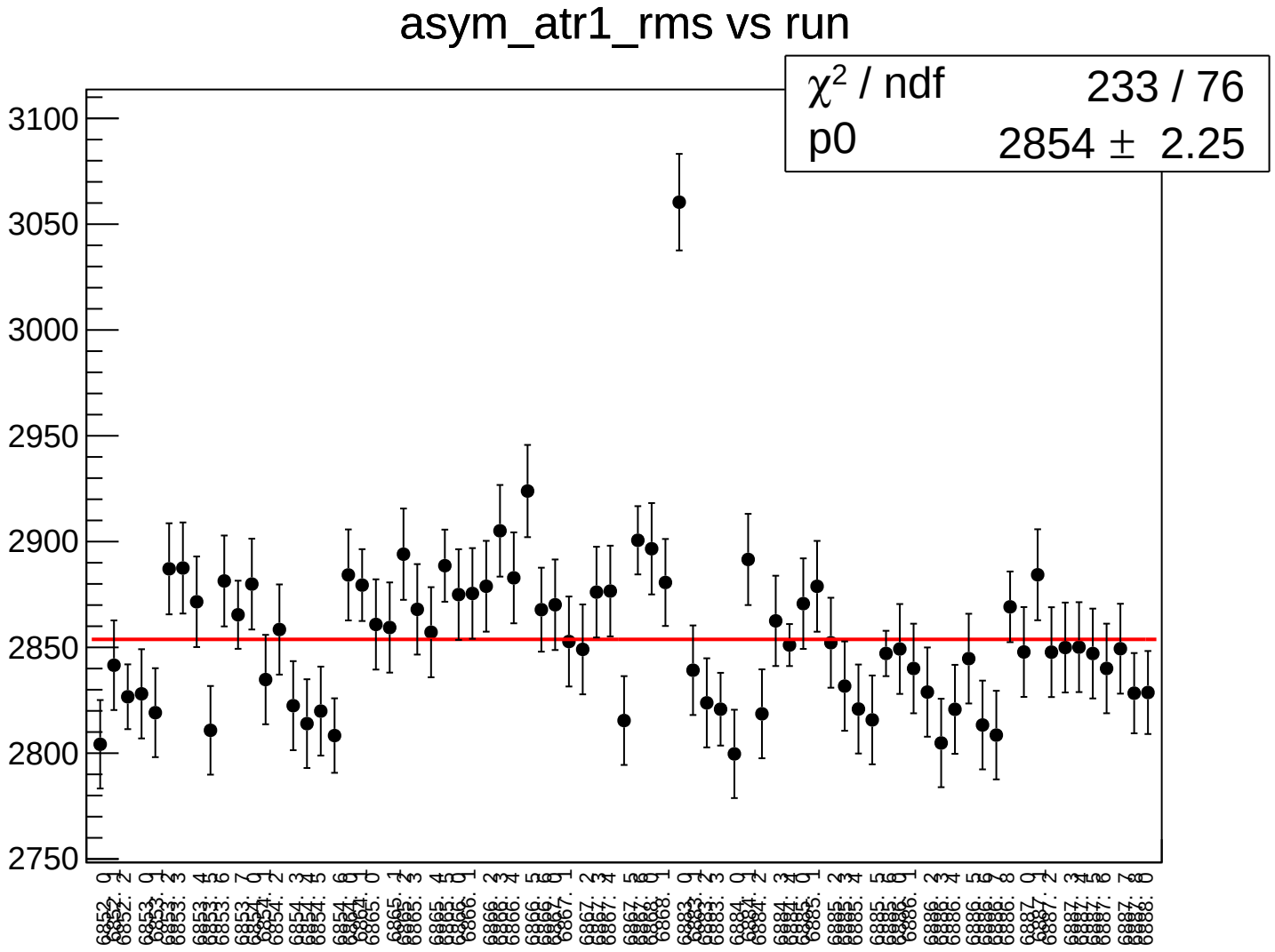


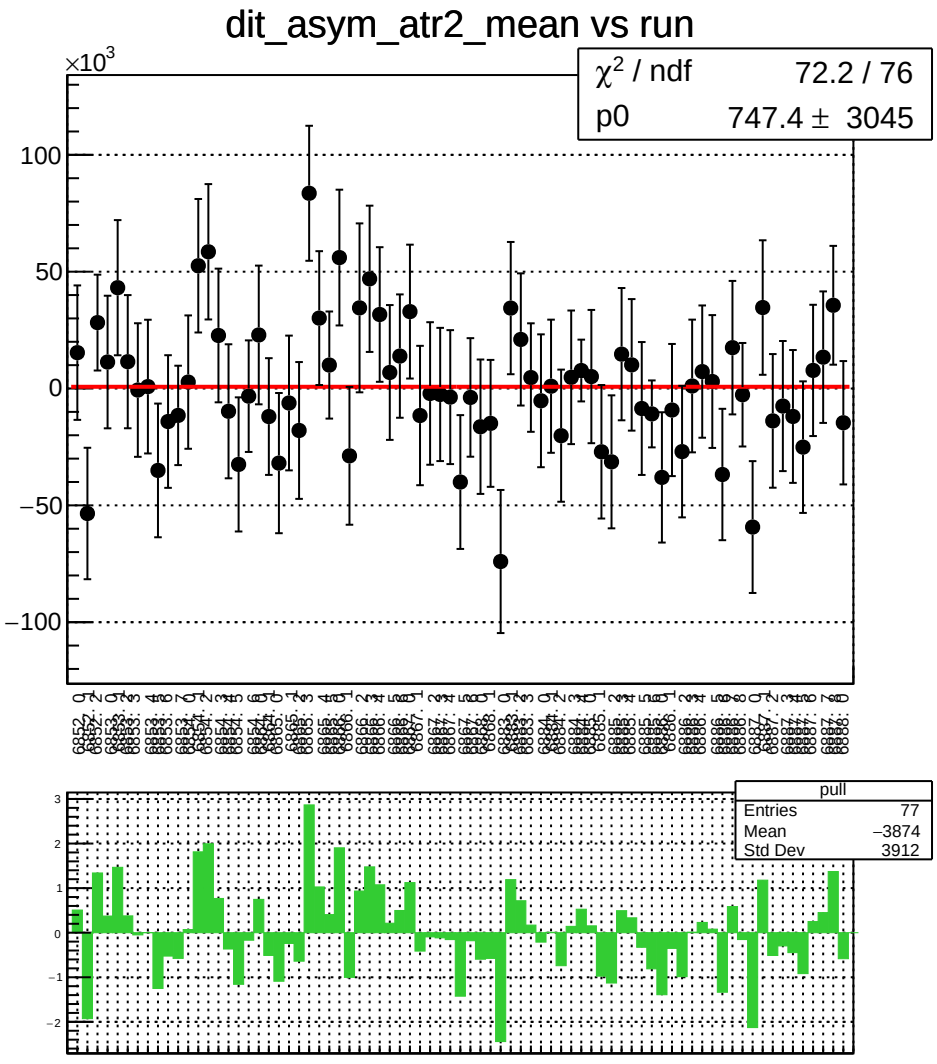

asym_atr1_correction_mean vs run
χ² / ndf 76.15 / 76
p0 −1937 ± 879.2
pull
Entries 77
Mean 72.35
Std Dev 32.61
pull1D
Entries 77
Mean 0.03851
Std Dev 0.9937

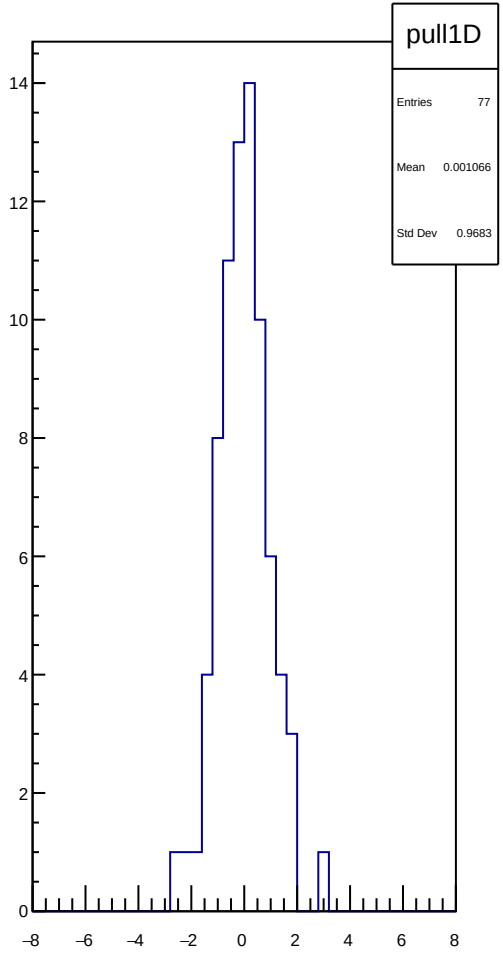

asym_atr1_correction_rms vs run
χ^2 / ndf 7985 / 76
p0 786.4 ± 0.6217
900
850
800
750
700
650

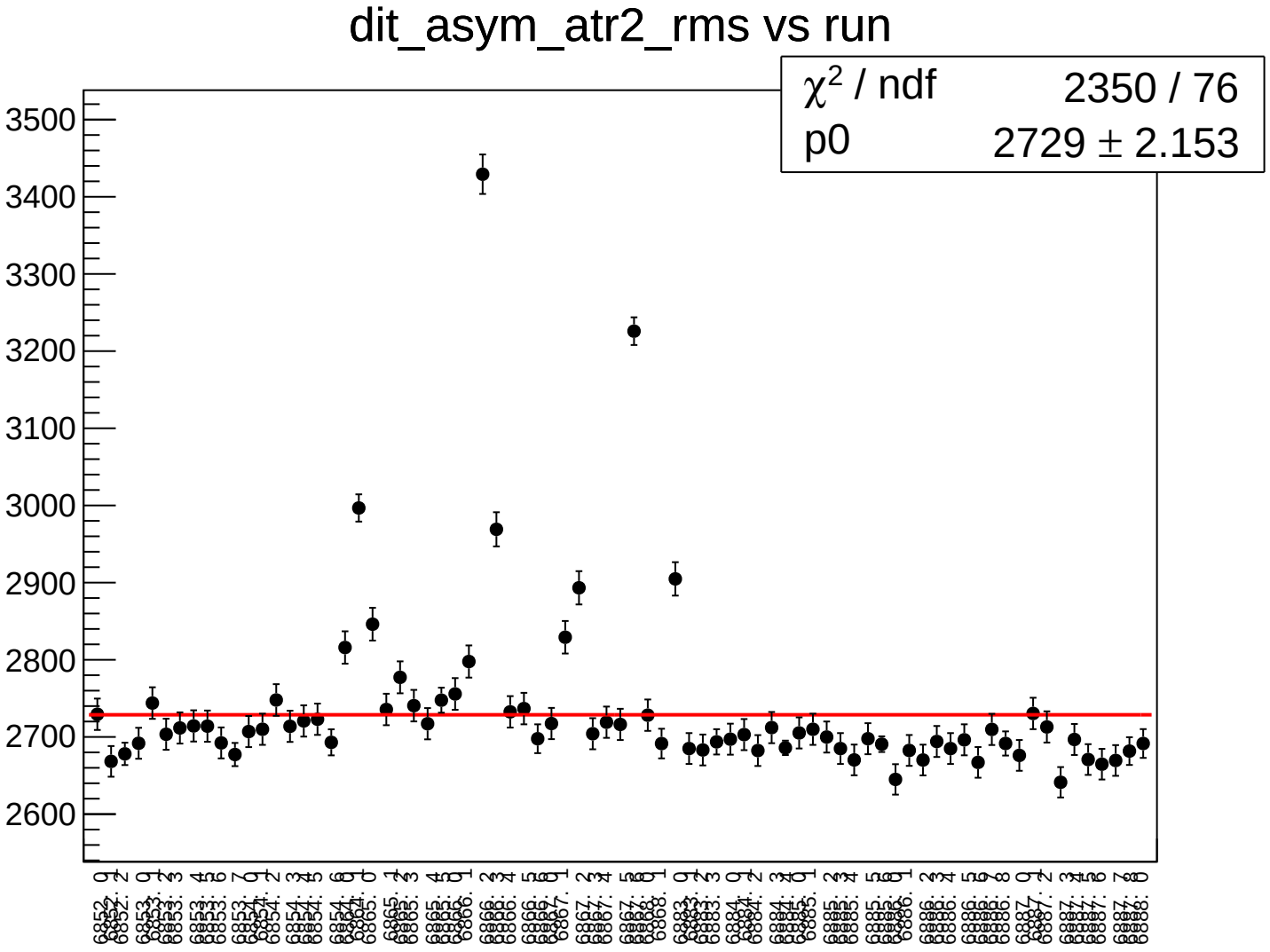

asym_atr1_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 73.71 / 76
p0 −1047 ± 3183
pull
Entries 77
Mean −406.4
Std Dev 436.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

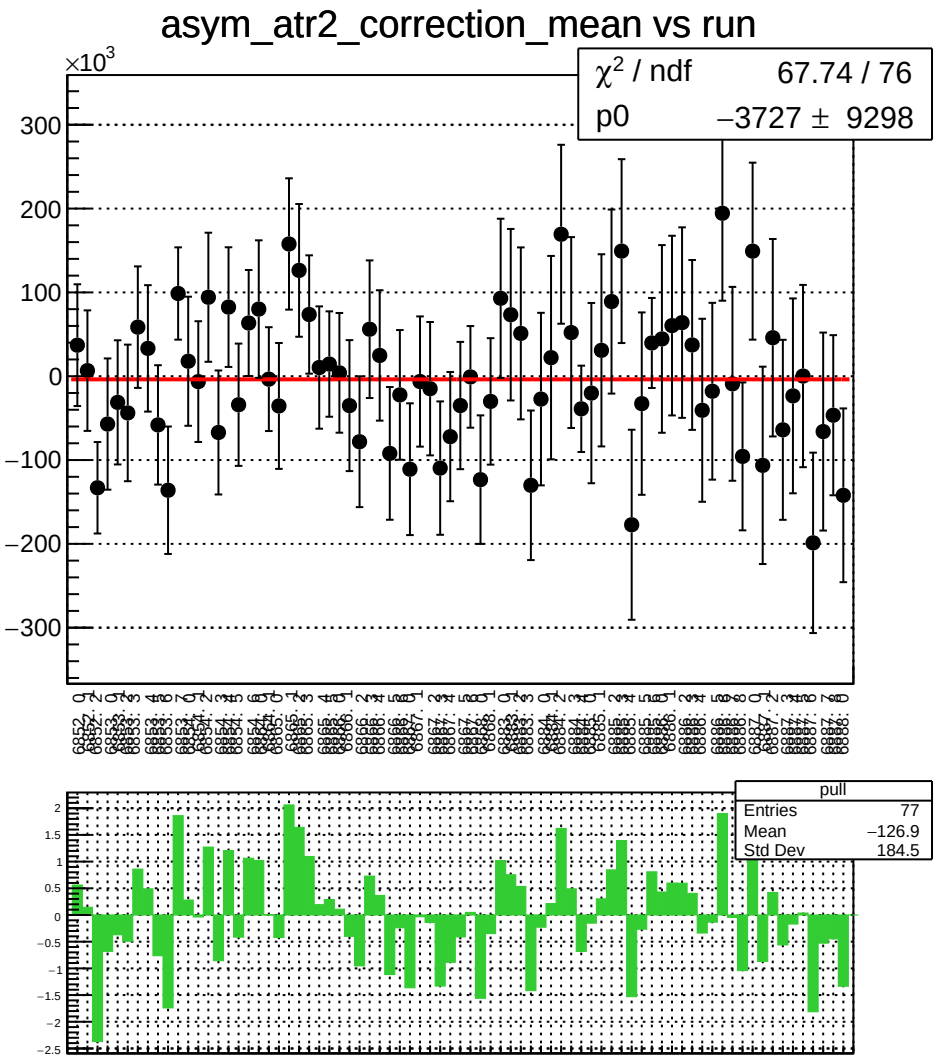

pull1D
Entries 77
Mean 0.001422
Std Dev 0.9784
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

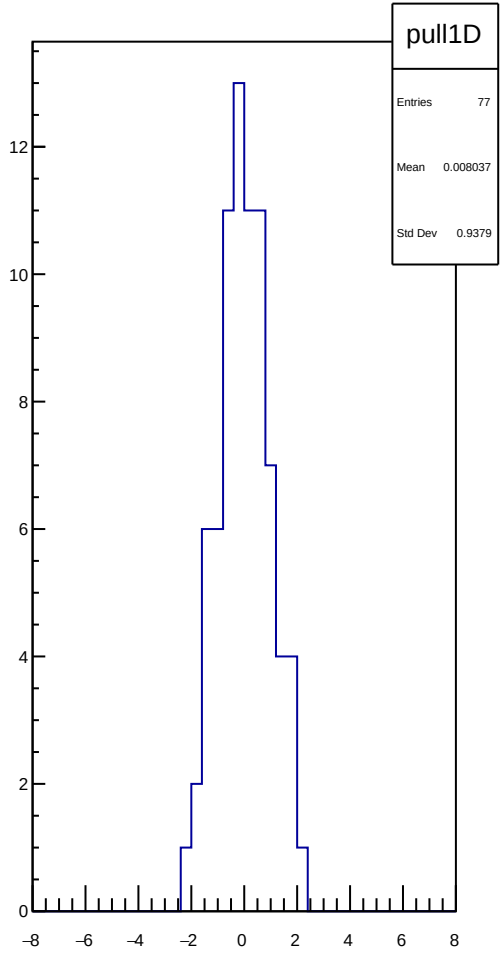

asym_atr1_rms vs run
χ^2 / ndf 233 / 76
p0 2854 ± 2.25
3100
3050
3000
2950
2900
2850
2800
2750


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 72.2 / 76
p0 747.4 ± 3045
100
50
0
−50
−100
pull
Entries 77
Mean −3874
Std Dev 3912
3
2
1
0
−1
−2

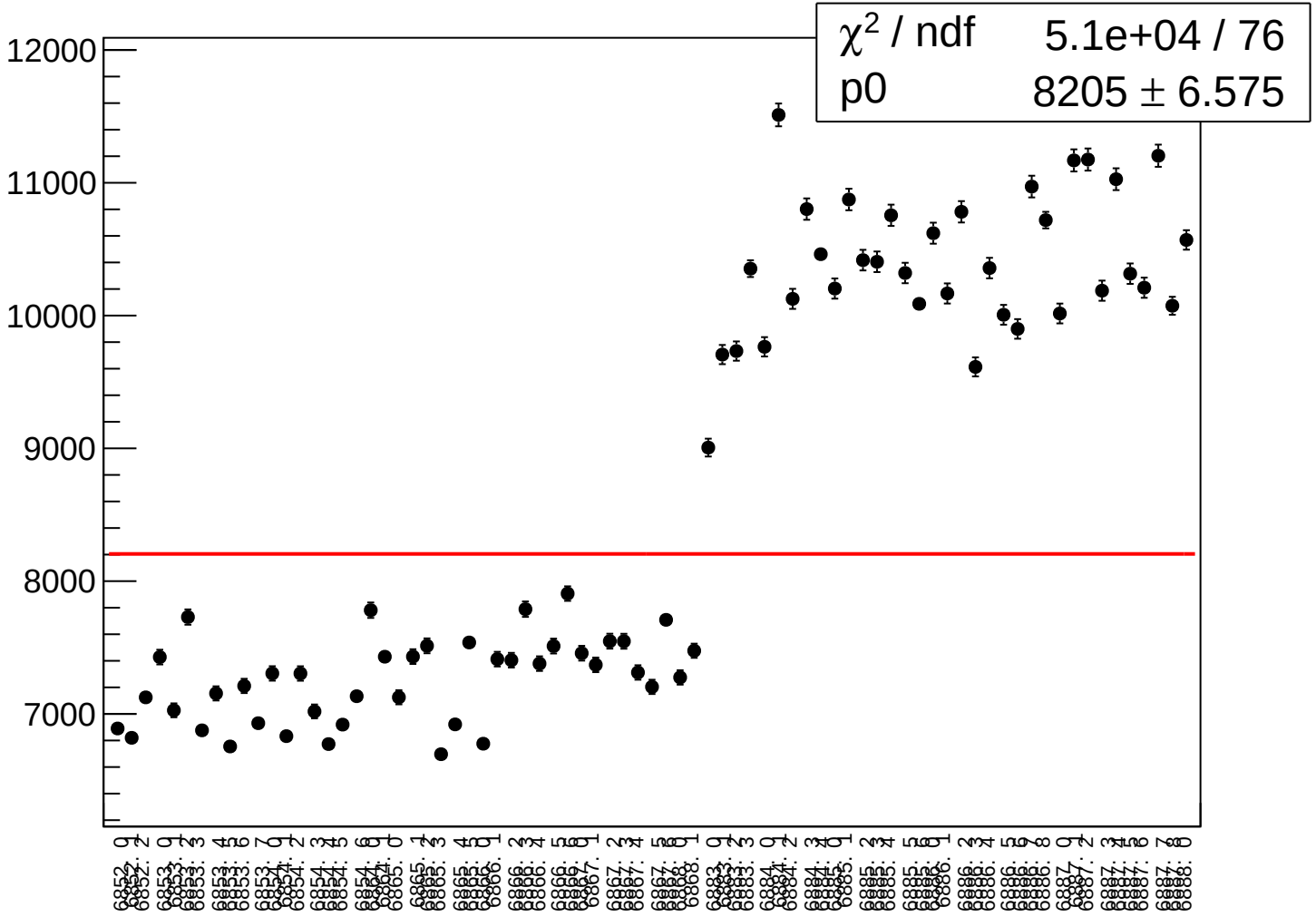

pull1D
Entries 77
Mean 0.001066
Std Dev 0.9683
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

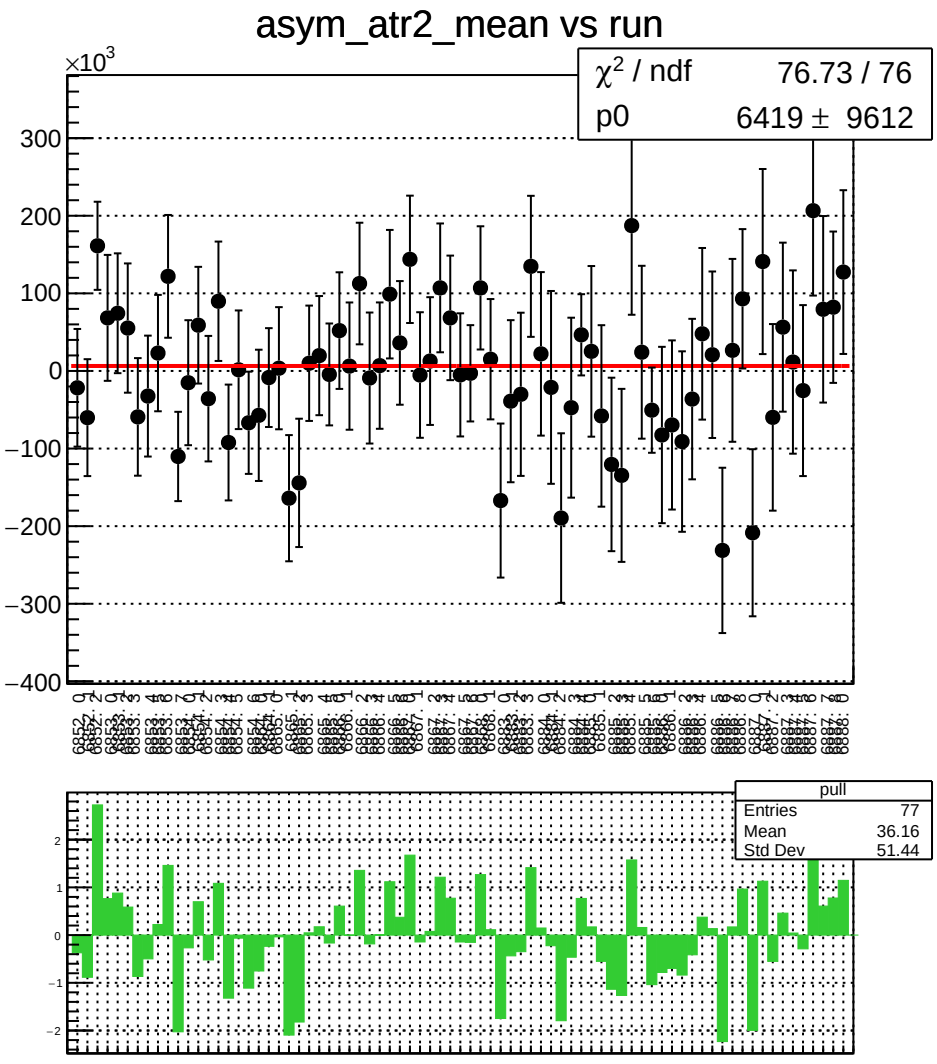

dit_asym_atr2_rms vs run
χ^2 / ndf 2350 / 76
p0 2729 ± 2.153
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600

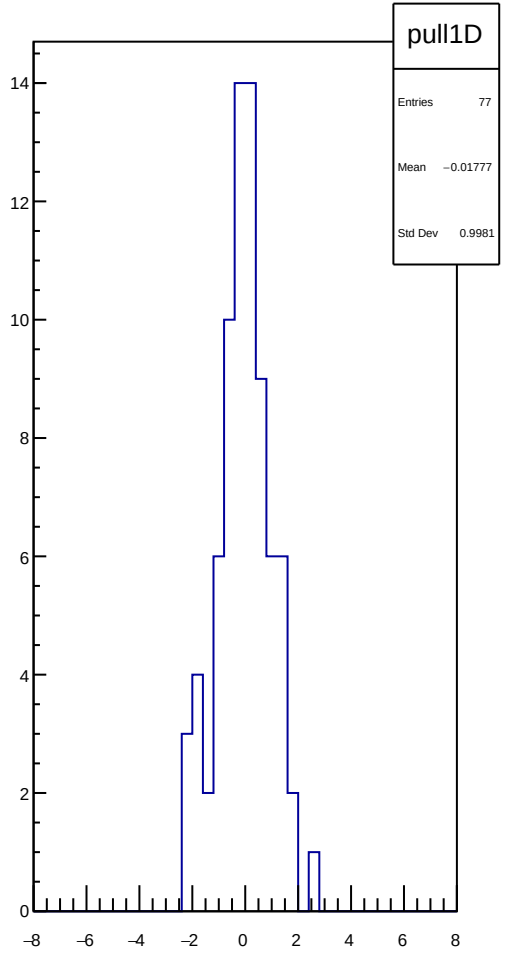

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 67.74 / 76
p0 −3727 ± 9298
pull
Entries 77
Mean −126.9
Std Dev 184.5

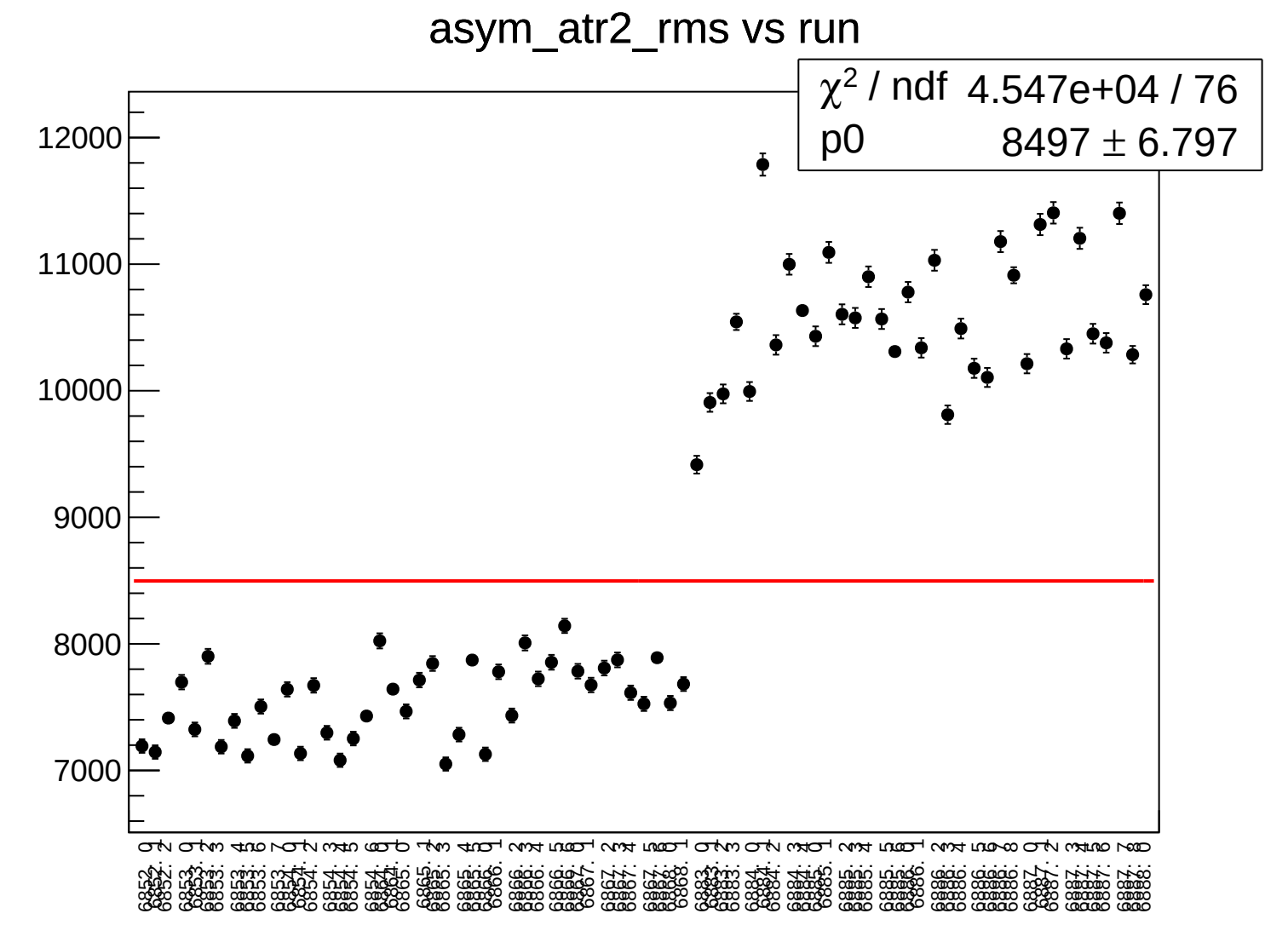

pull1D
Entries 77
Mean 0.008037
Std Dev 0.9379

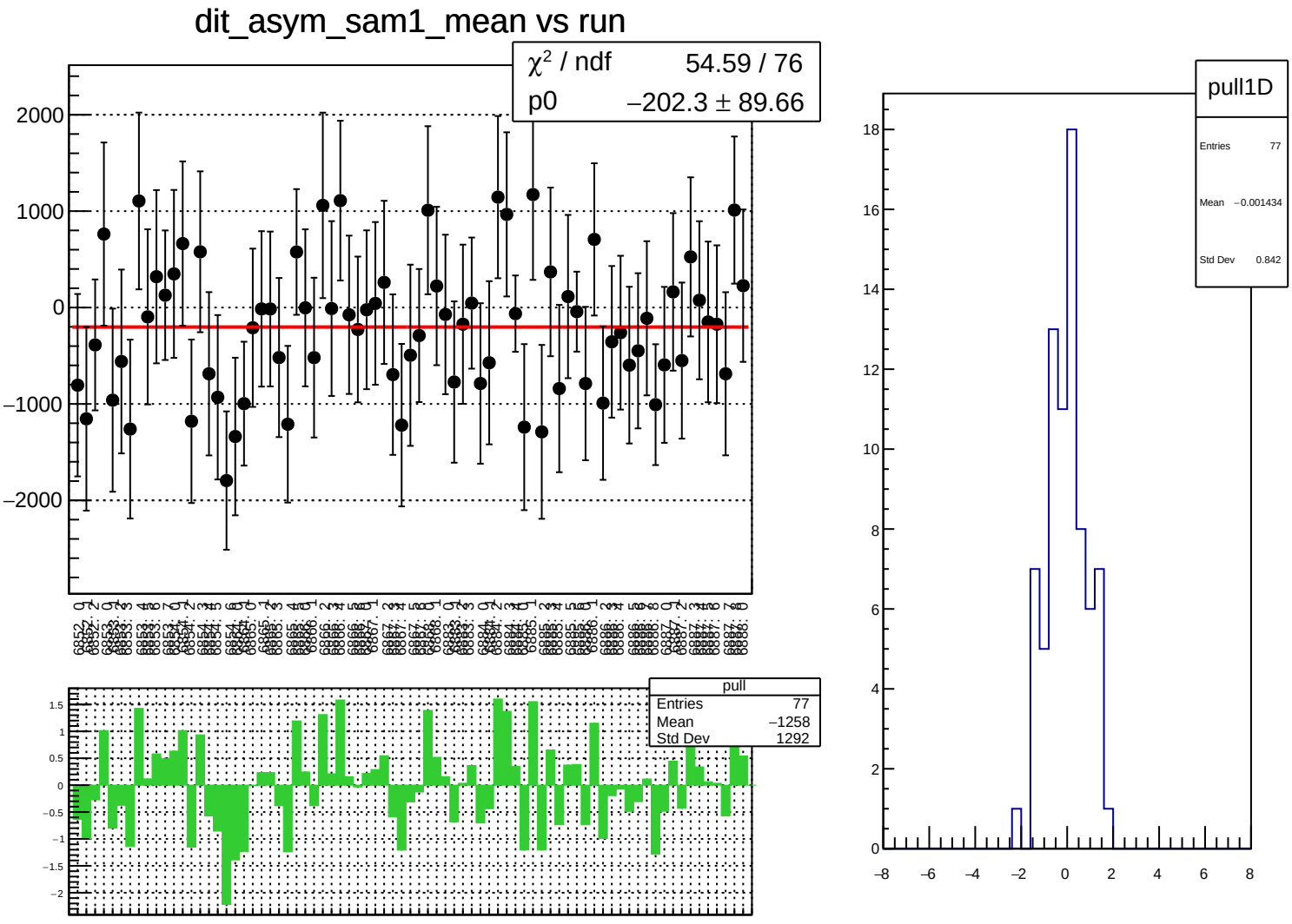
asym_atr2_correction_rms vs run



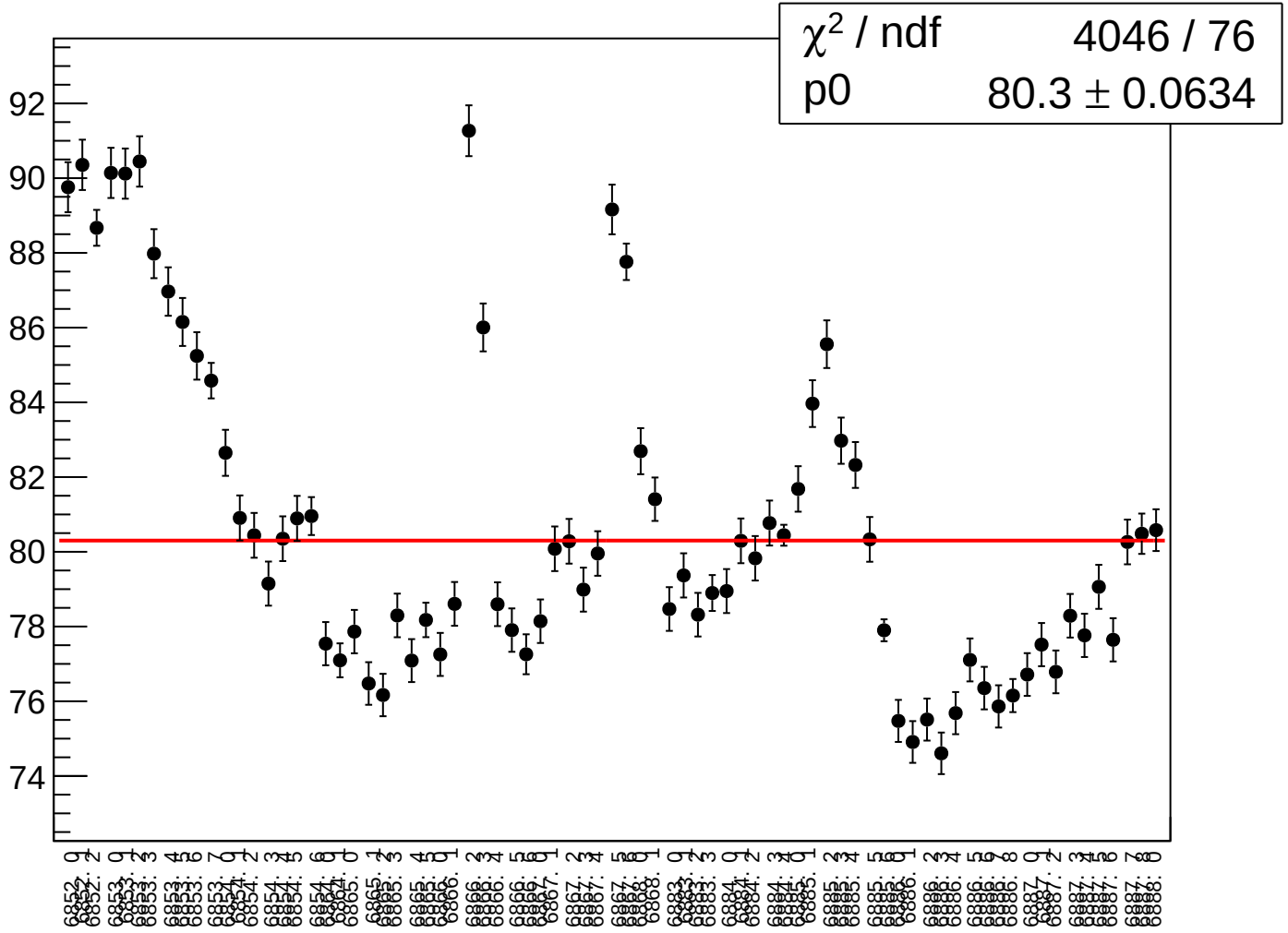

asym_atr2_mean vs run
χ^2 / ndf 76.73 / 76
p0 6419 ± 9612
×10^3
pull
Entries 77
Mean 36.16
Std Dev 51.44

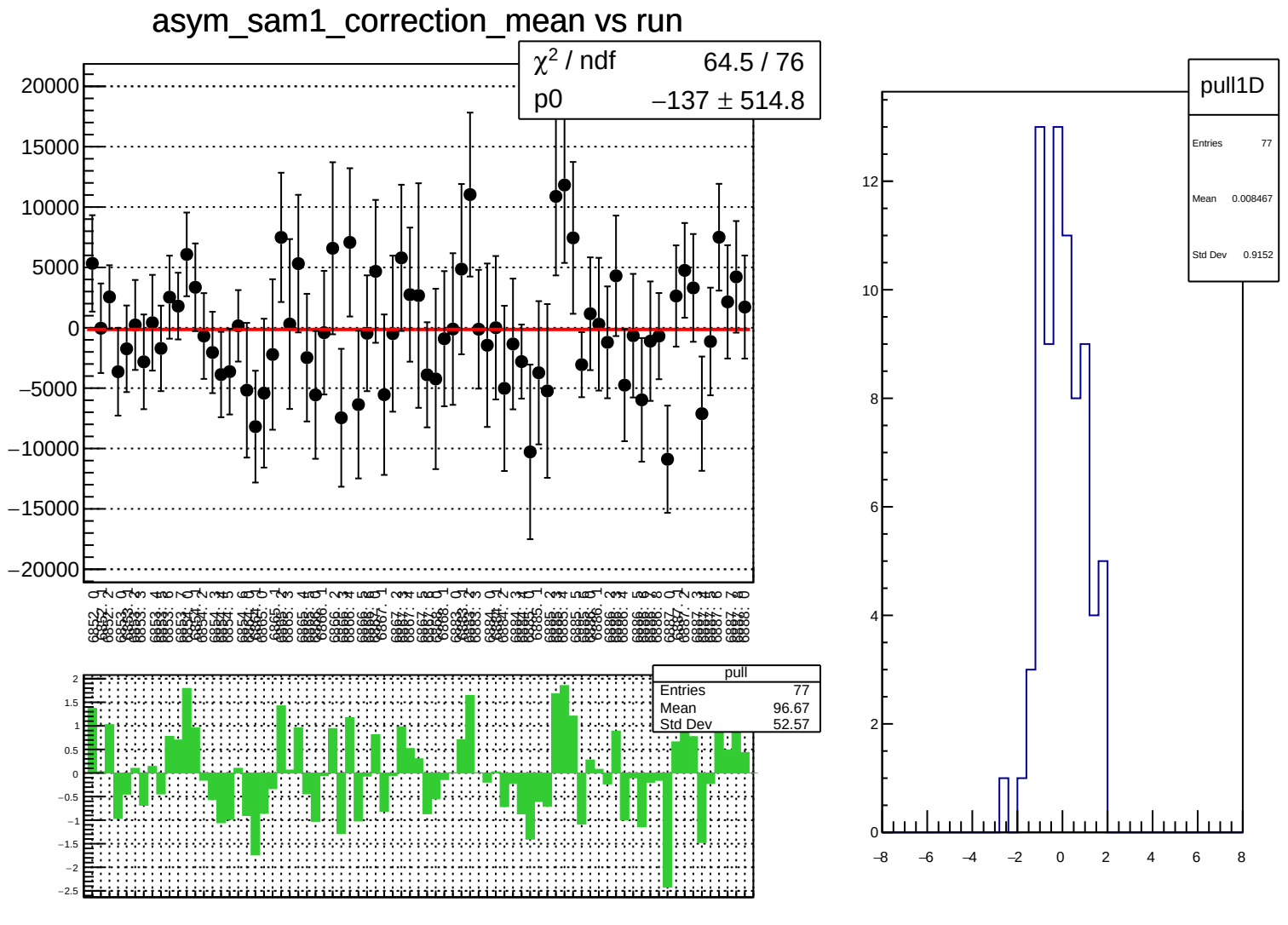

pull1D
Entries 77
Mean −0.01777
Std Dev 0.9981


asym_atr2_rms vs run
χ² / ndf 4.547e+04 / 76
p0 8497 ± 6.797
12000
11000
10000
9000
8000
7000

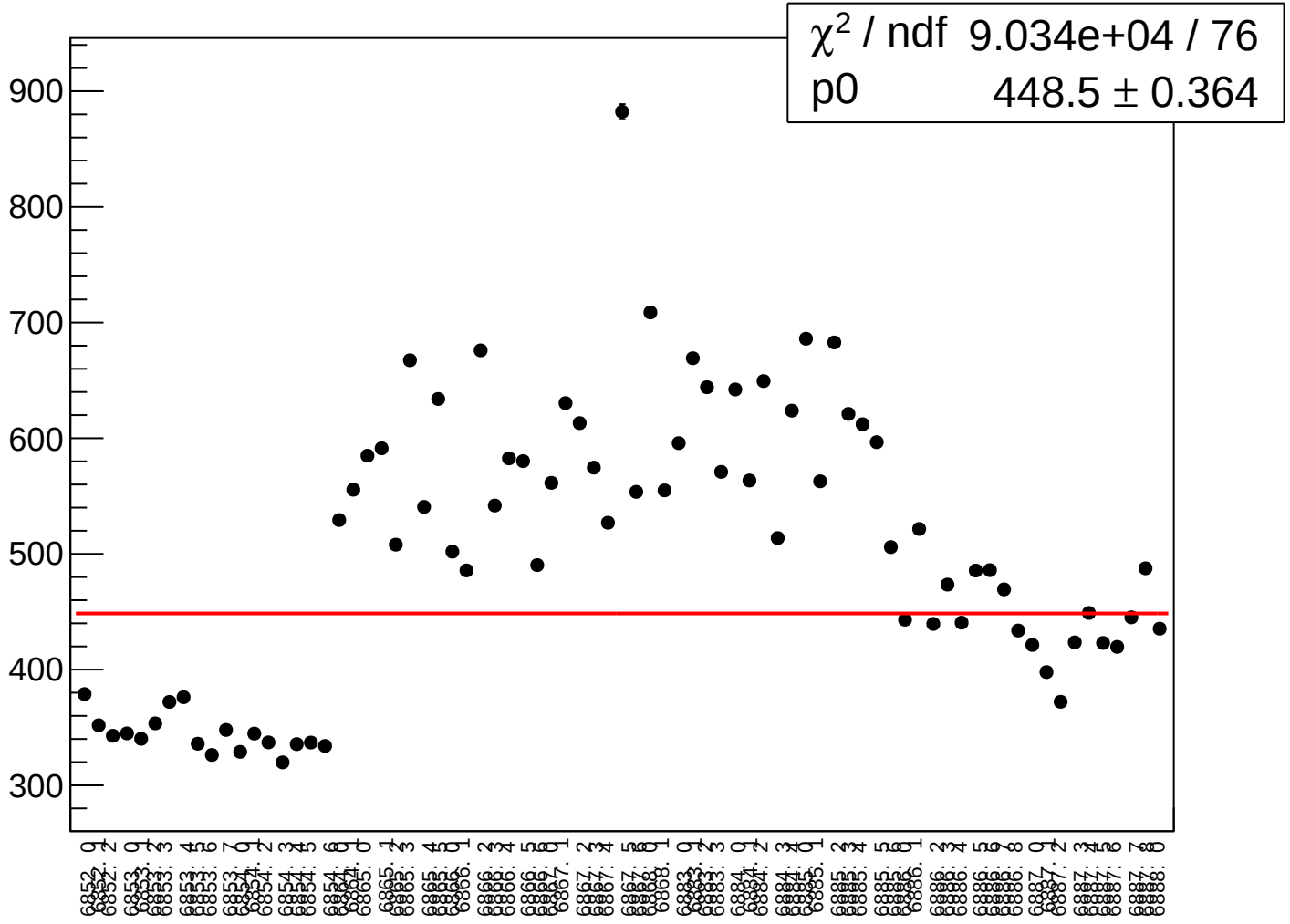

dit_asym_sam1_mean vs run
χ² / ndf 54.59 / 76
p0 −202.3 ± 89.66
2000
1000
0
−1000
−2000
pull
Entries 77
Mean −1258
Std Dev 1292
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean −0.001434
Std Dev 0.842
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

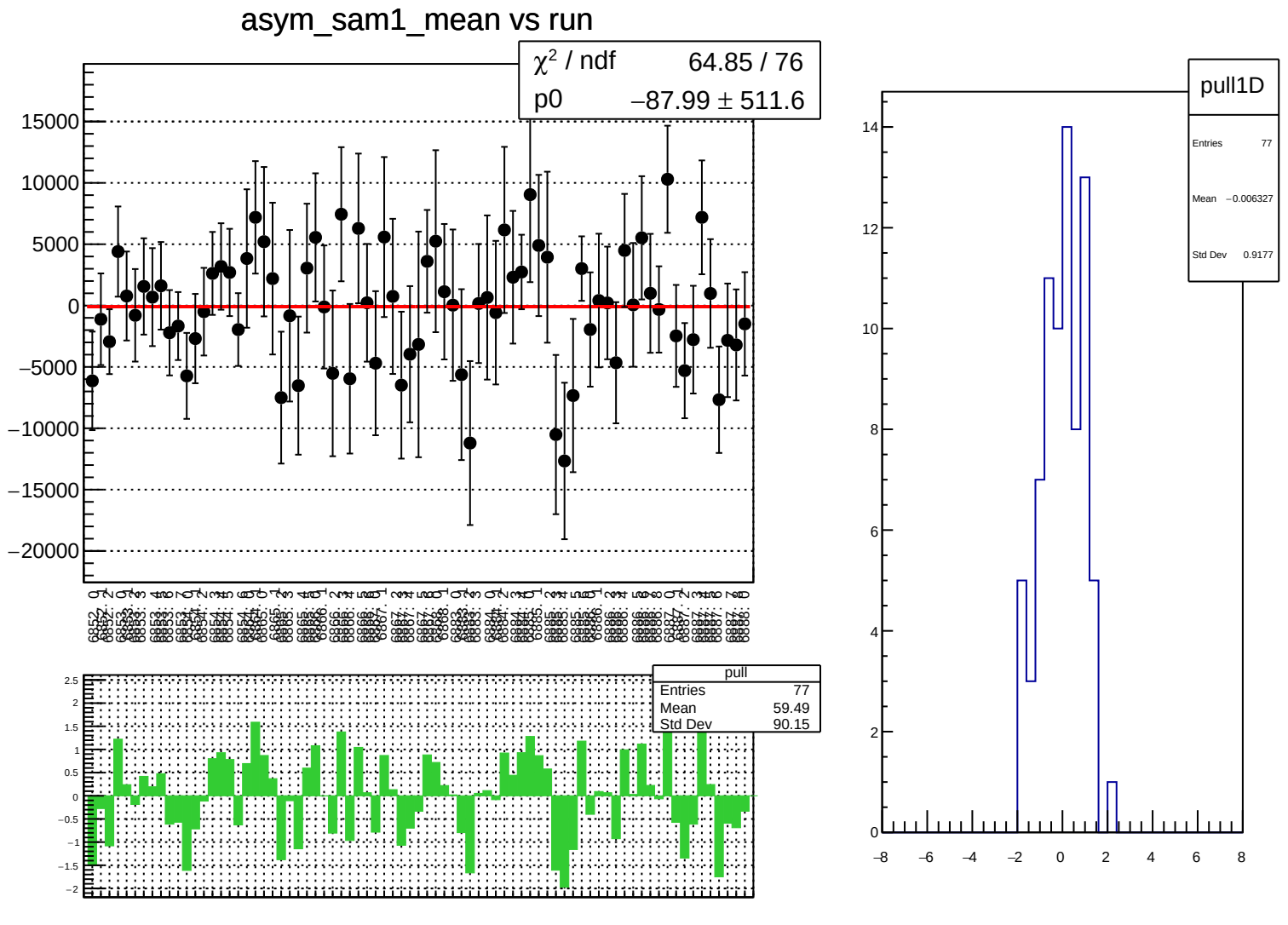
dit_asym_sam1_rms vs run

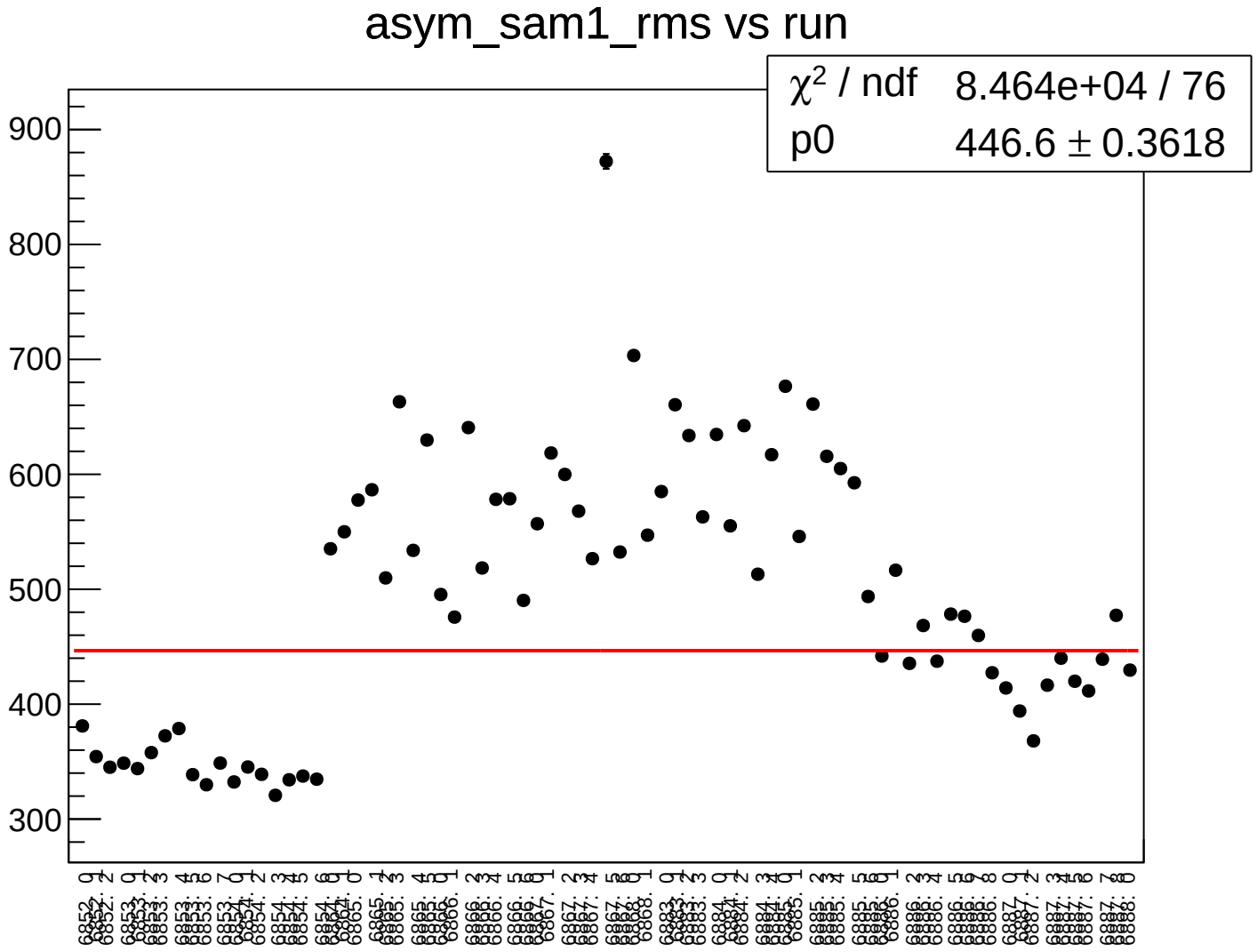


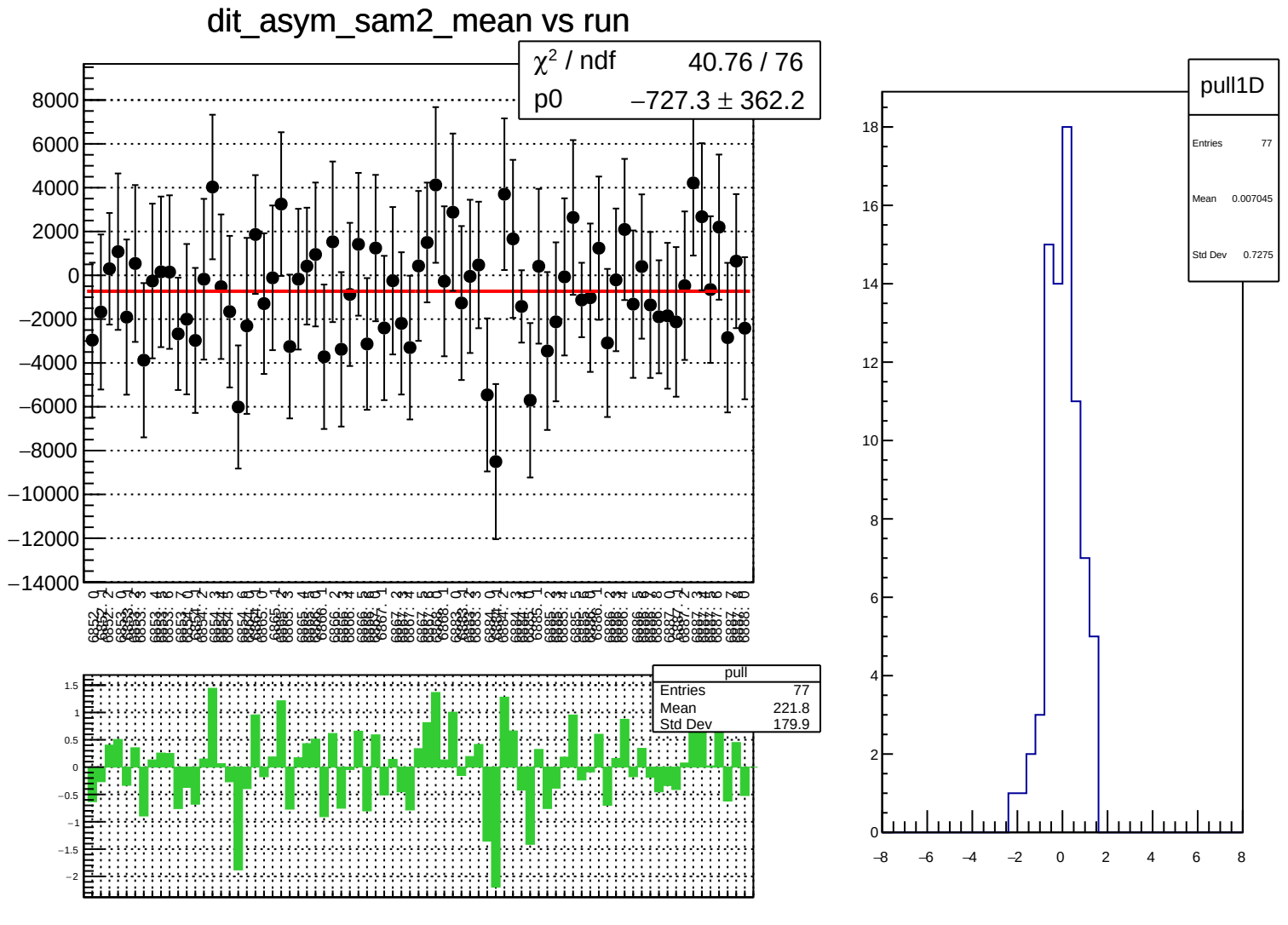

asym_sam1_correction_mean vs run
χ² / ndf 64.5 / 76
p0 −137 ± 514.8
pull
Entries 77
Mean 96.67
Std Dev 52.57
pull1D
Entries 77
Mean 0.008467
Std Dev 0.9152

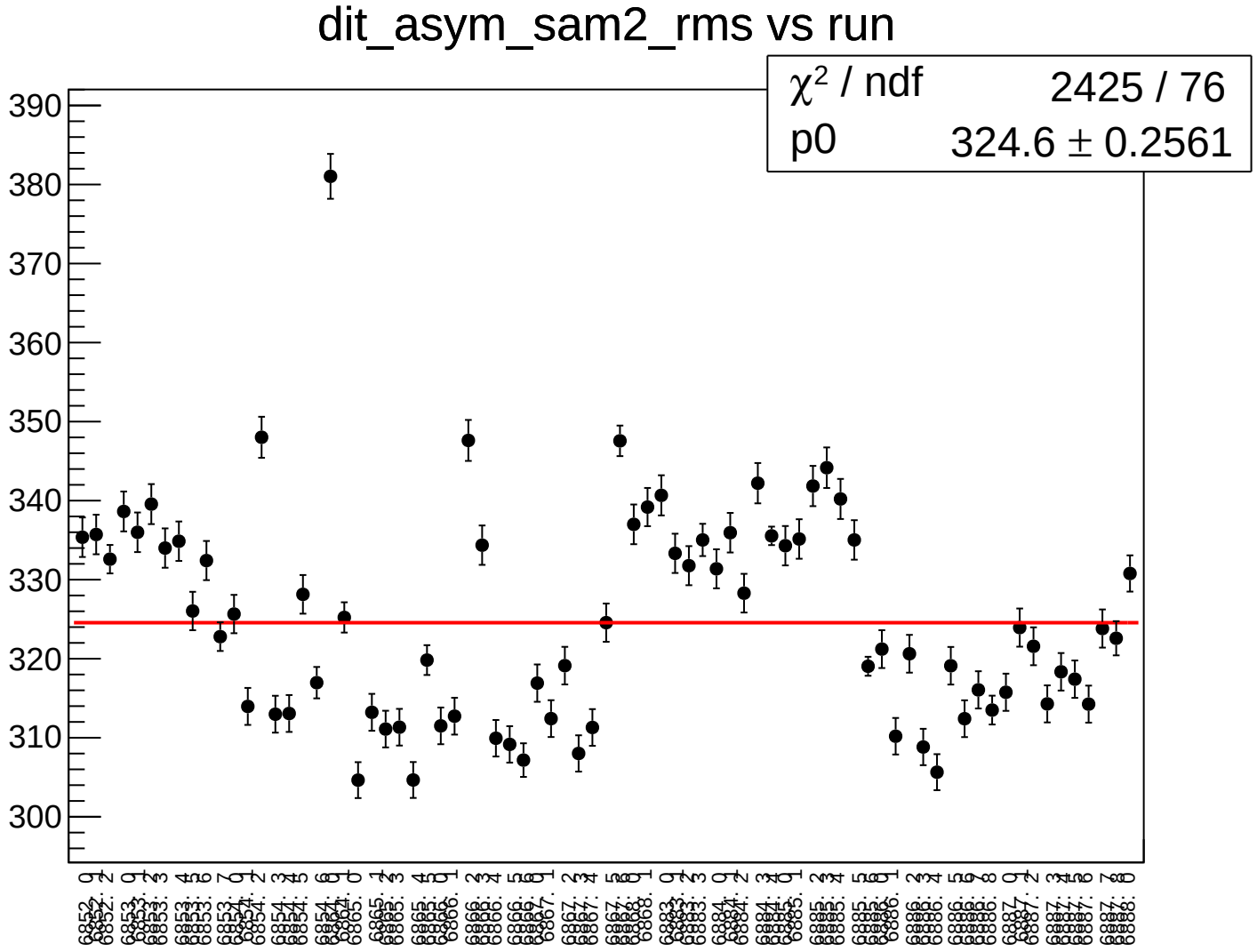
asym_sam1_correction_rms vs run

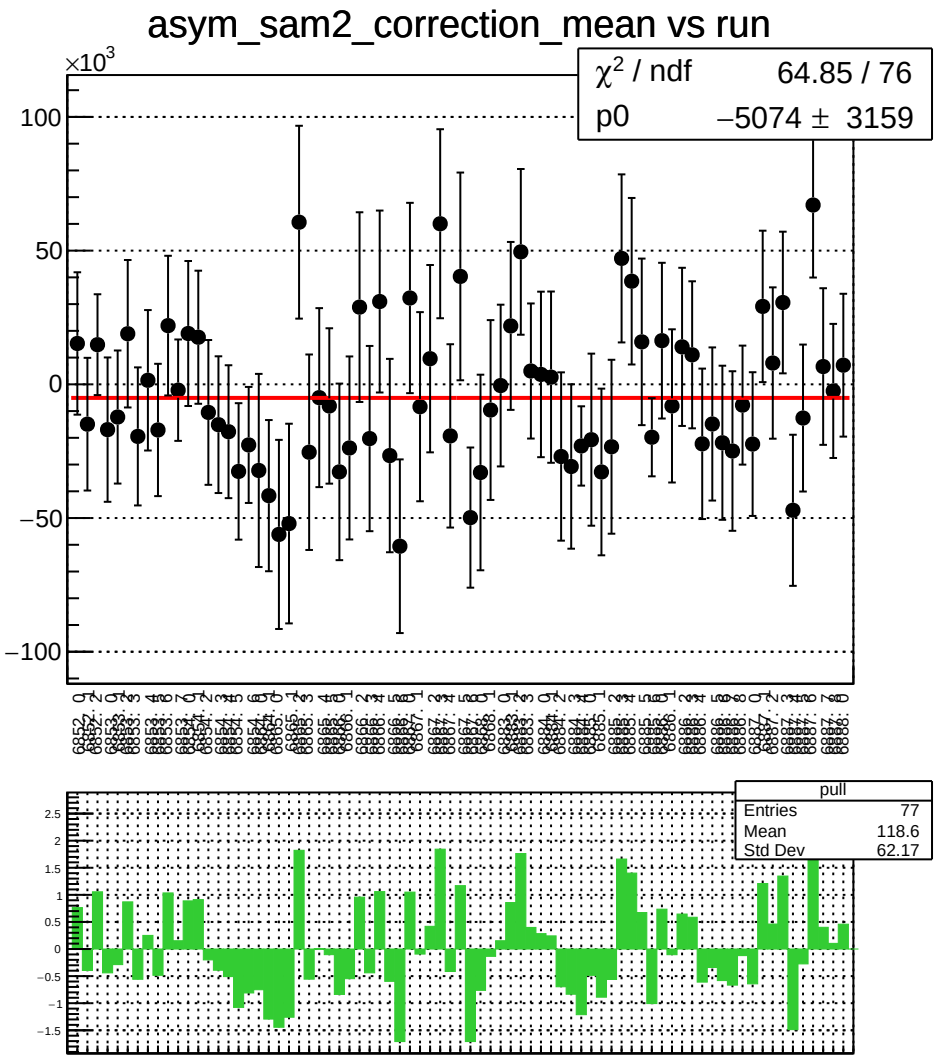


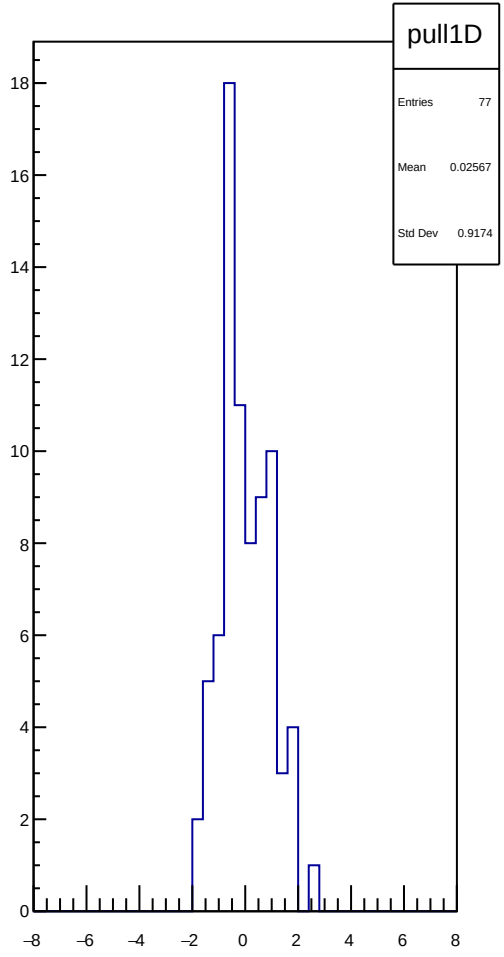

asym_sam1_mean vs run
χ² / ndf 64.85 / 76
p0 −87.99 ± 511.6
pull
Entries 77
Mean 59.49
Std Dev 90.15
pull1D
Entries 77
Mean −0.006327
Std Dev 0.9177

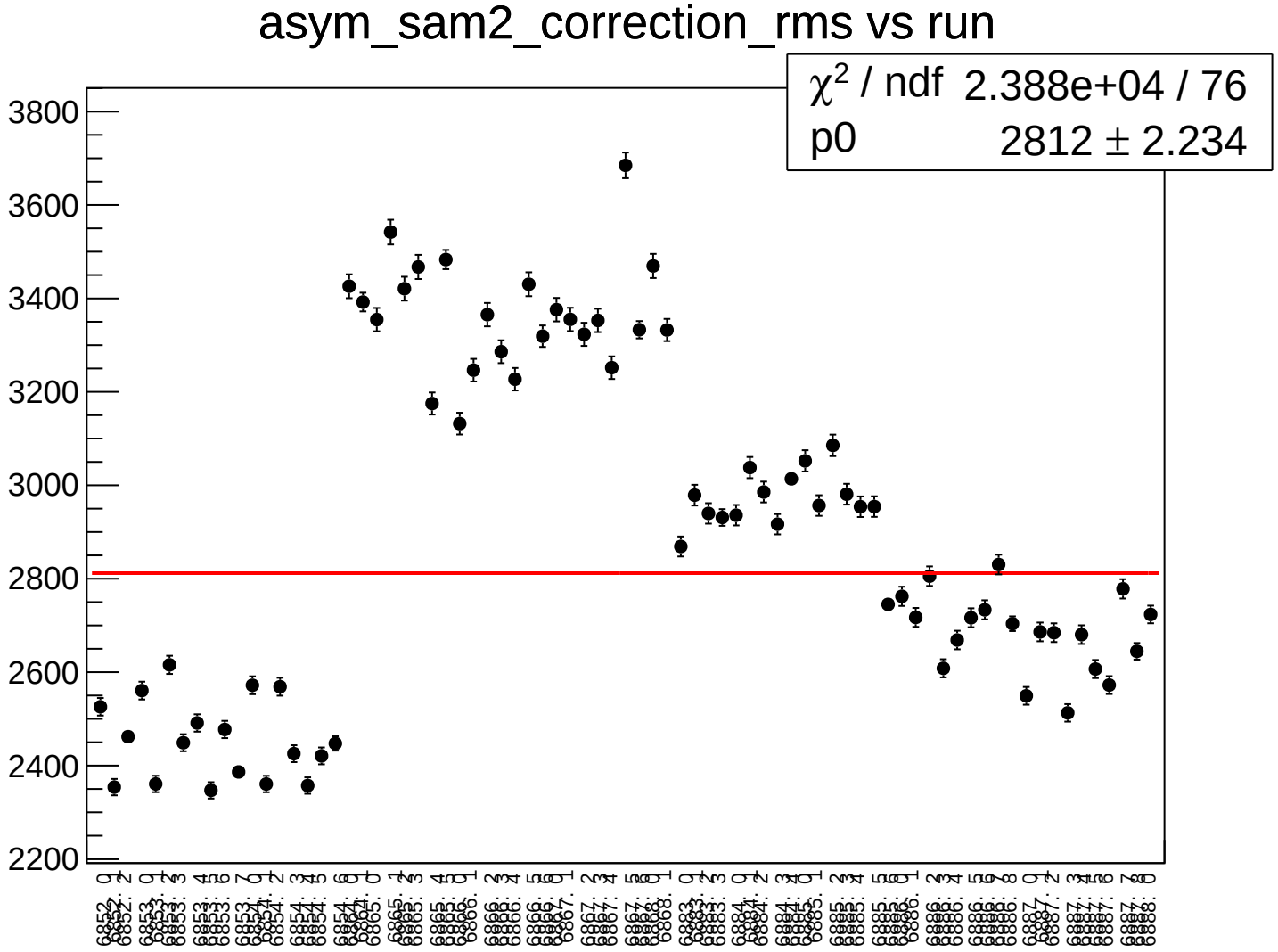

asym_sam1_rms vs run
χ^2 / ndf 8.464e+04 / 76
p0 446.6 ± 0.3618
900
800
700
600
500
400
300

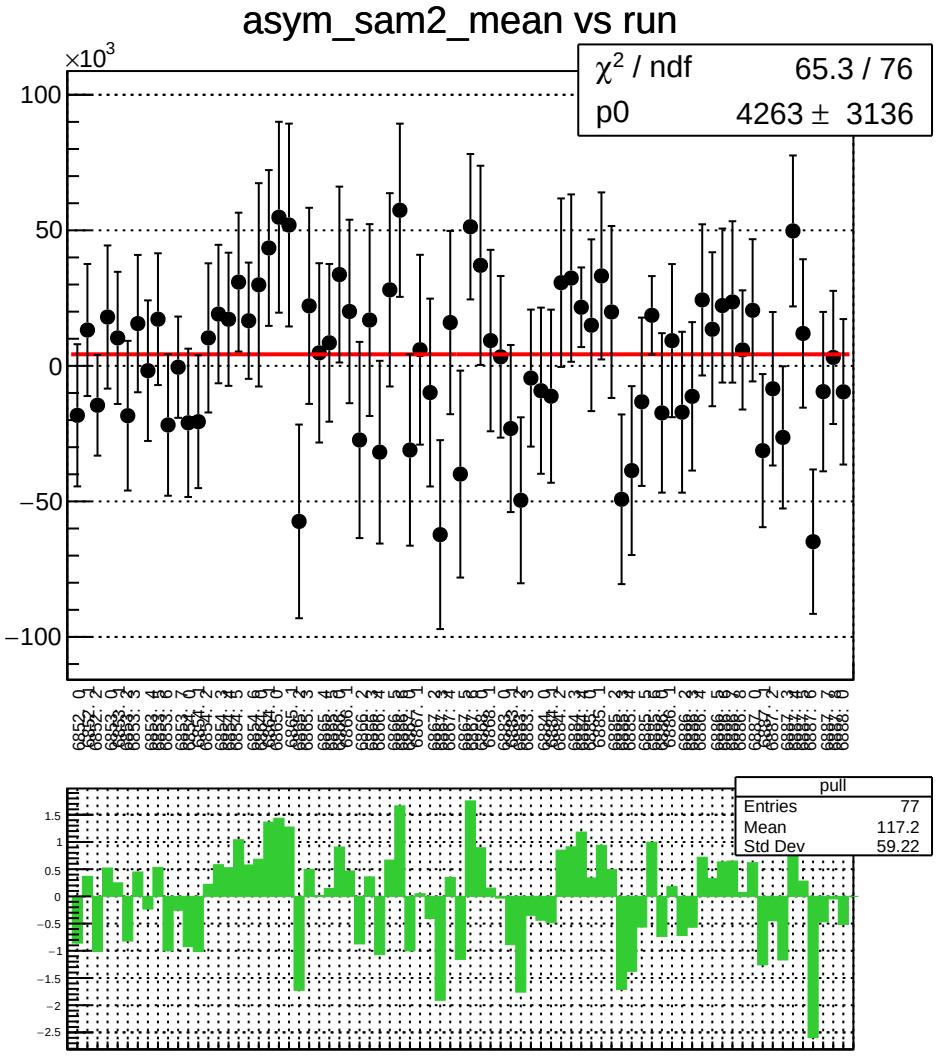

dit_asym_sam2_mean vs run
χ² / ndf 40.76 / 76
p0 −727.3 ± 362.2
pull
Entries 77
Mean 221.8
Std Dev 179.9
pull1D
Entries 77
Mean 0.007045
Std Dev 0.7275

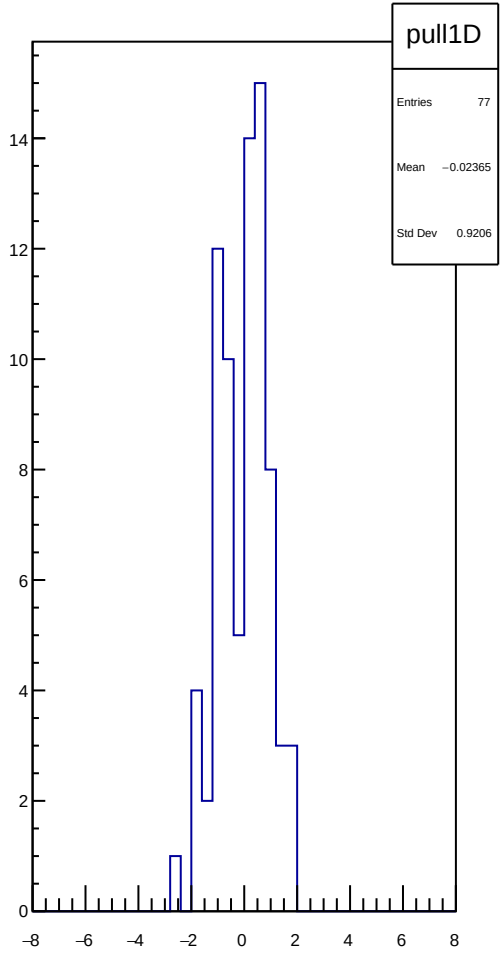

dit_asym_sam2_rms vs run
χ² / ndf 2425 / 76
p0 324.6 ± 0.2561
390
380
370
360
350
340
330
320
310
300

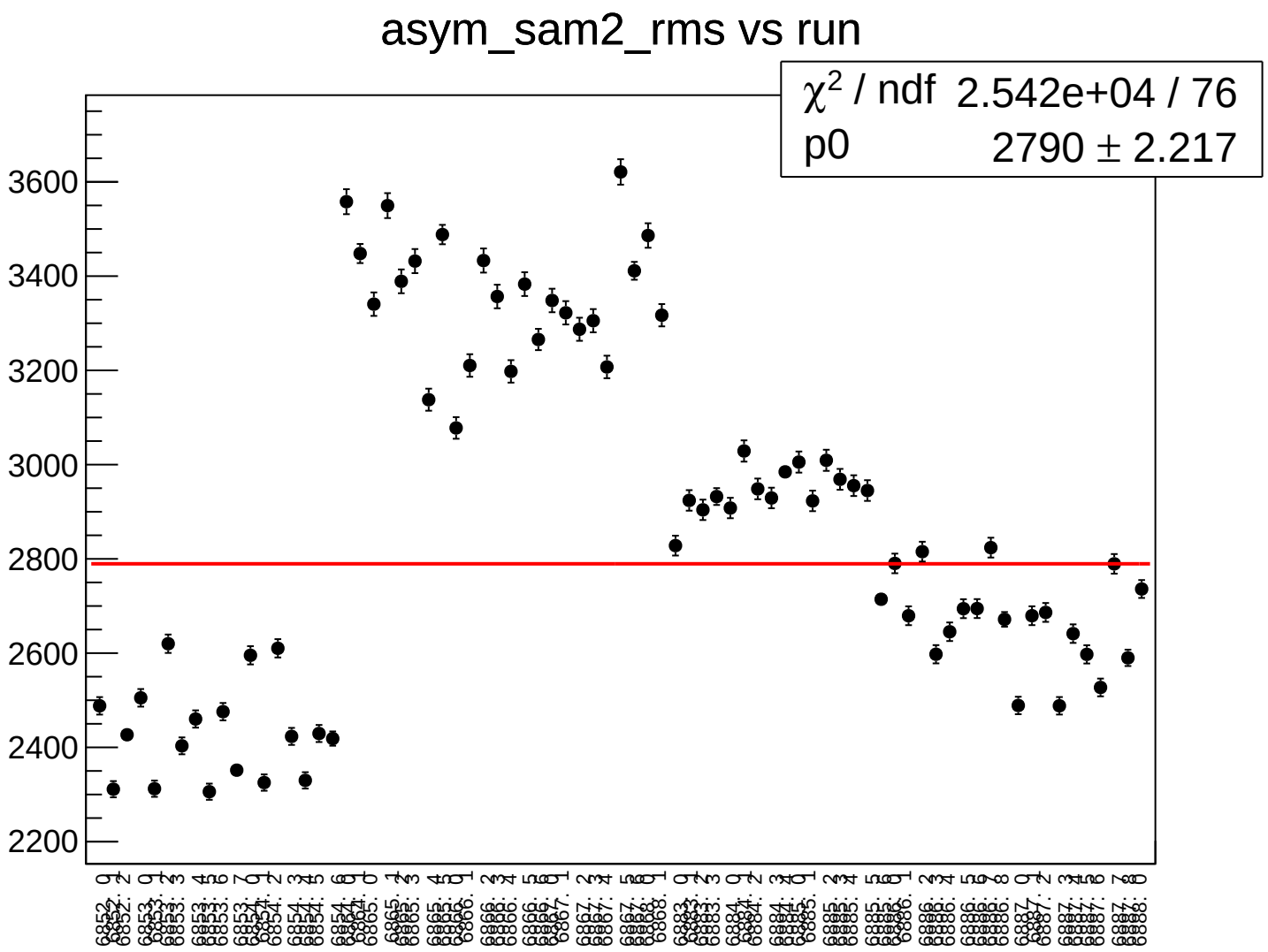

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 64.85 / 76
p0 −5074 ± 3159
pull
Entries 77
Mean 118.6
Std Dev 62.17

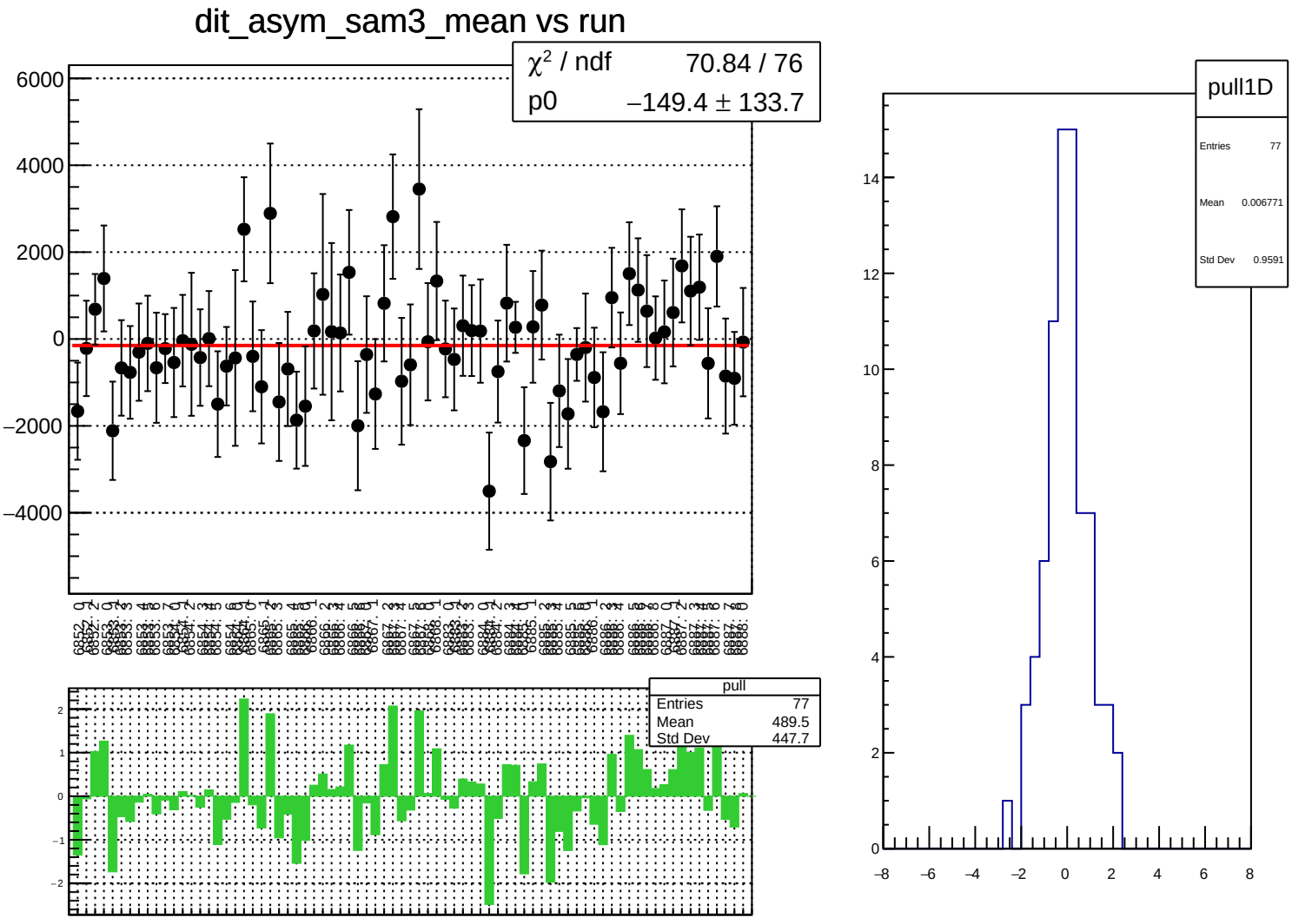

pull1D
Entries 77
Mean 0.02567
Std Dev 0.9174

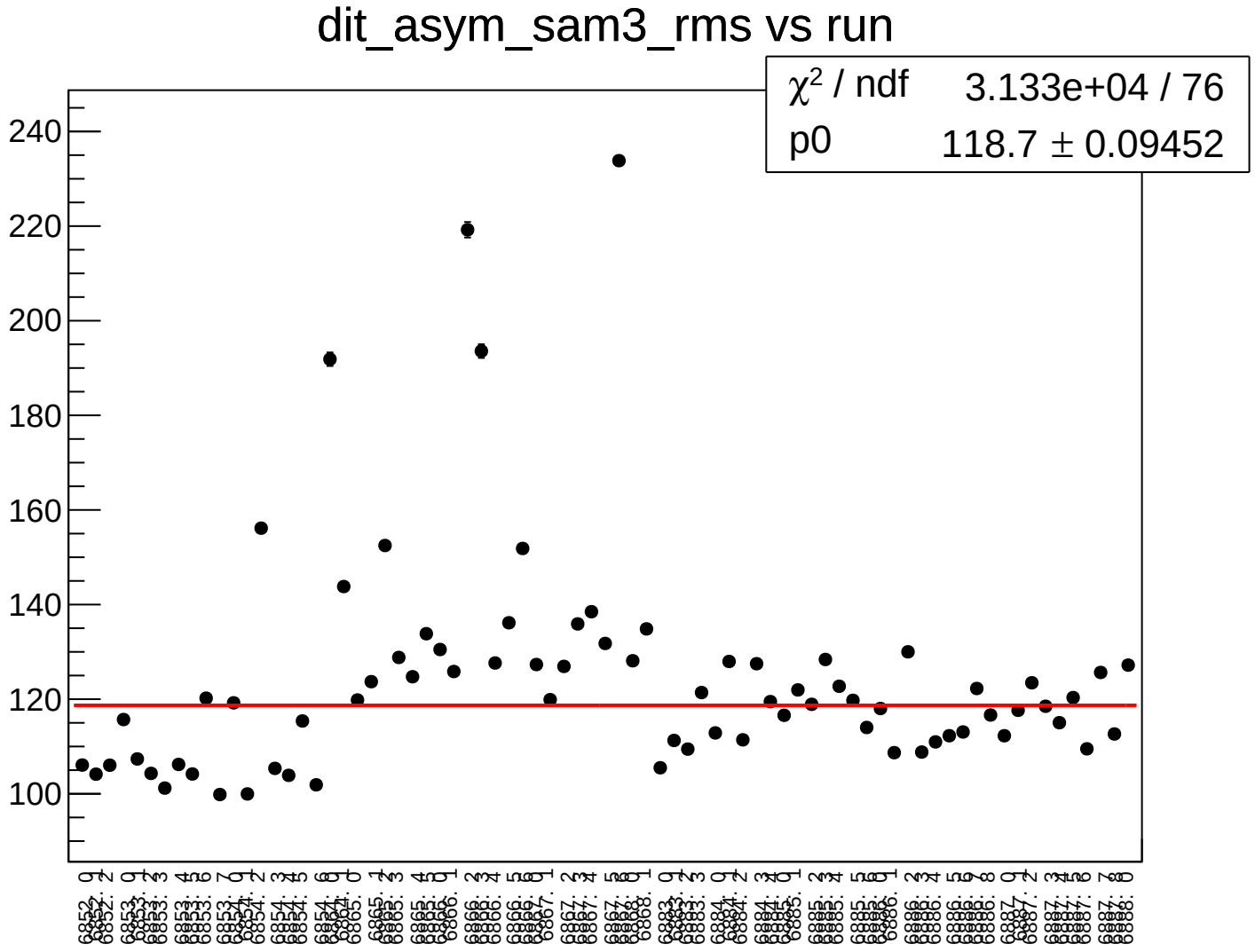

asym_sam2_correction_rms vs run
χ^2 / ndf 2.388e+04 / 76
p0 2812 ± 2.234
3800
3600
3400
3200
3000
2800
2600
2400
2200

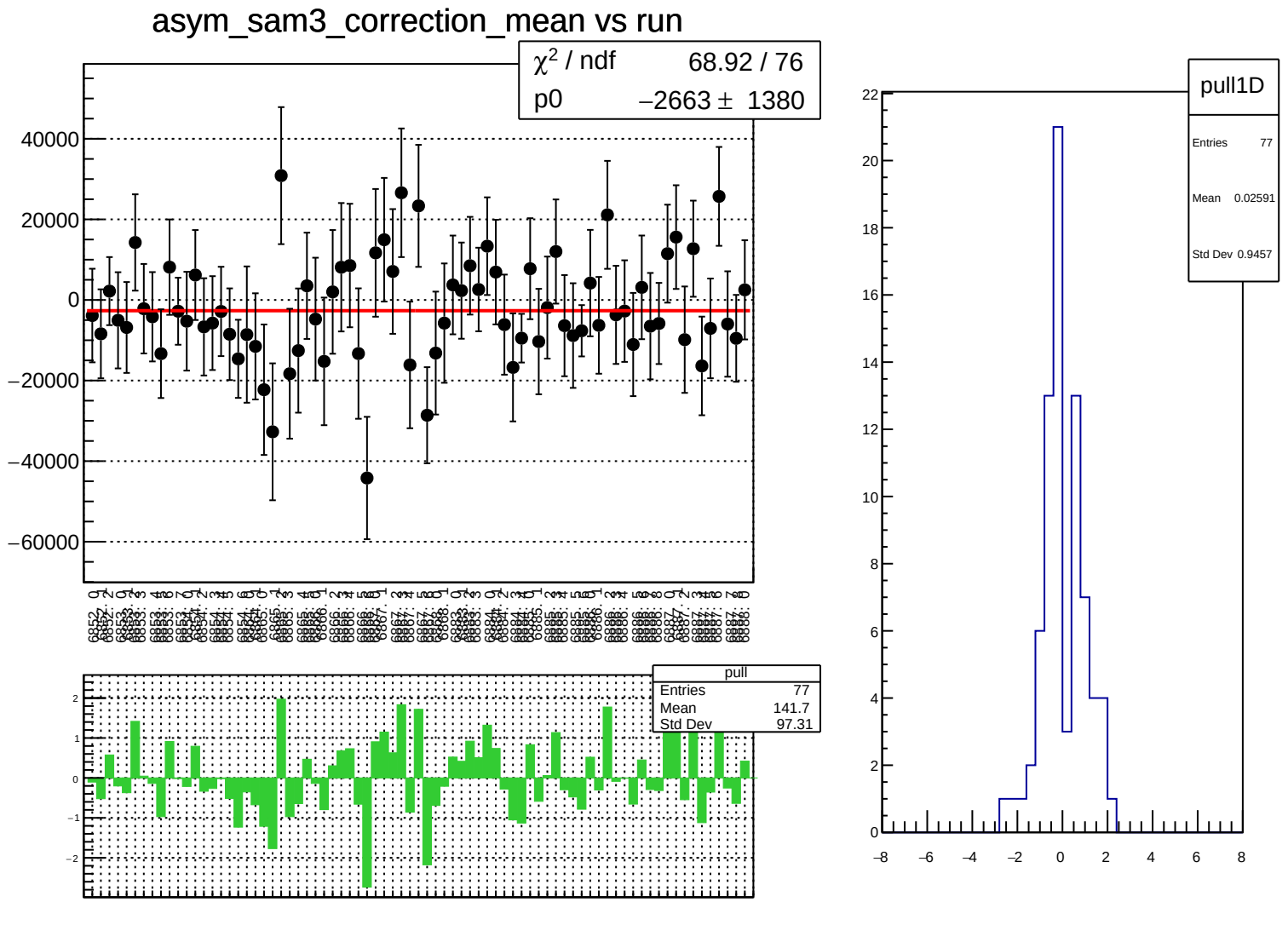

asym_sam2_mean vs run
×10^3
χ² / ndf 65.3 / 76
p0 4263 ± 3136
pull
Entries 77
Mean 117.2
Std Dev 59.22

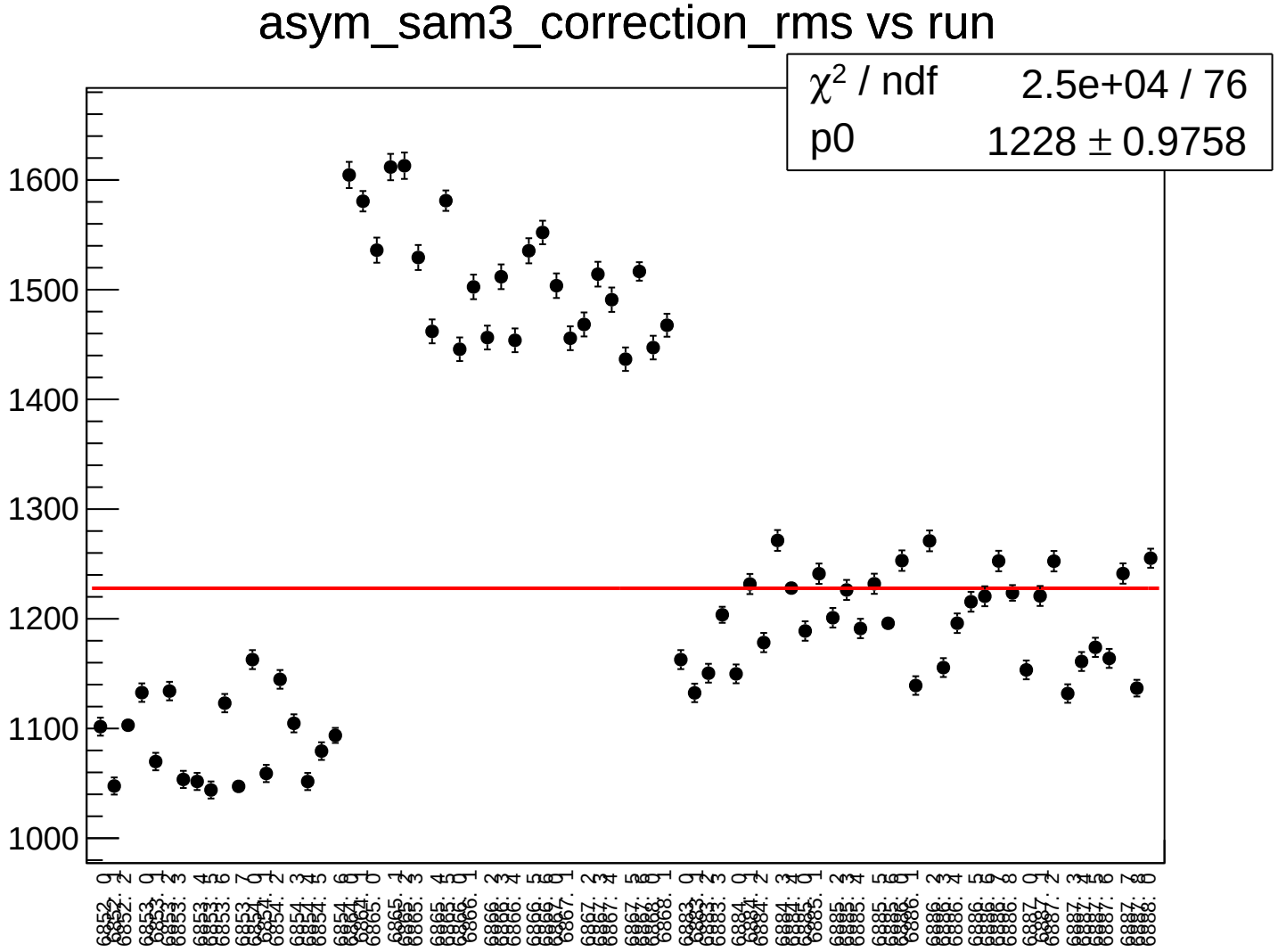

pull1D
Entries 77
Mean −0.02365
Std Dev 0.9206

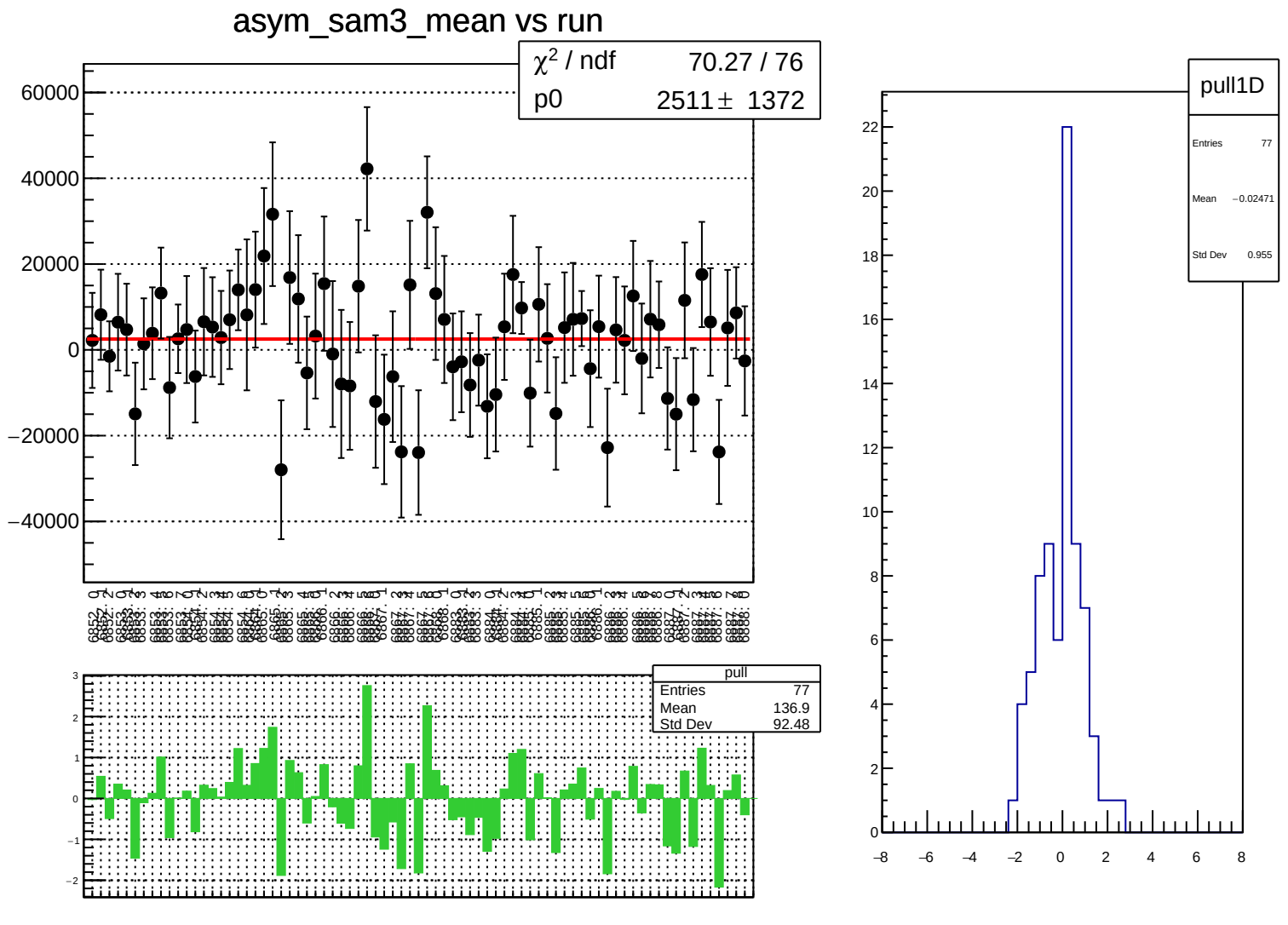

asym_sam2_rms vs run
χ^2 / ndf 2.542e+04 / 76
p0 2790 ± 2.217
3600
3400
3200
3000
2800
2600
2400
2200

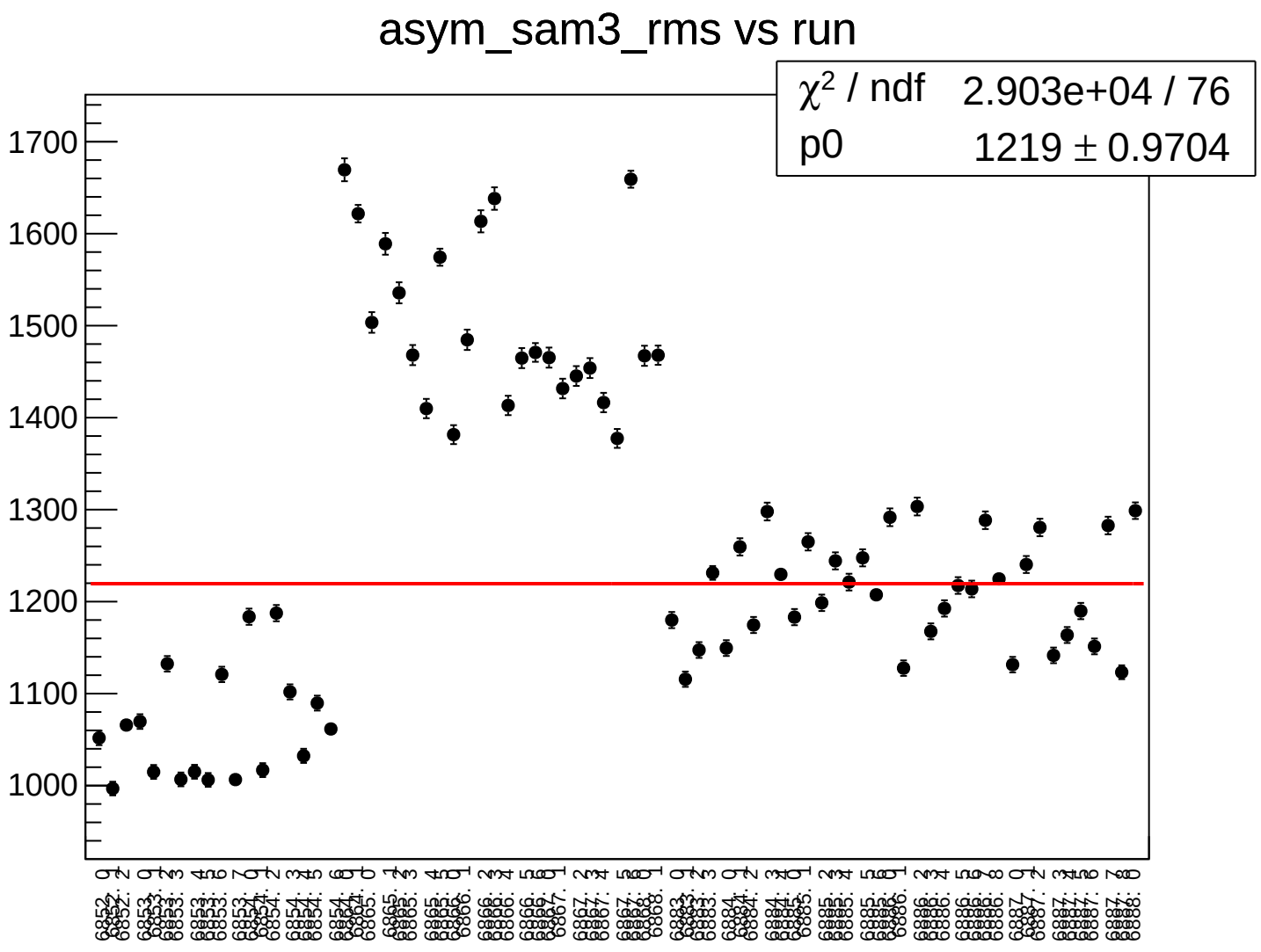

dit_asym_sam3_mean vs run
χ² / ndf 70.84 / 76
p0 −149.4 ± 133.7
6000
4000
2000
0
−2000
−4000
pull
Entries 77
Mean 489.5
Std Dev 447.7
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.006771
Std Dev 0.9591
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

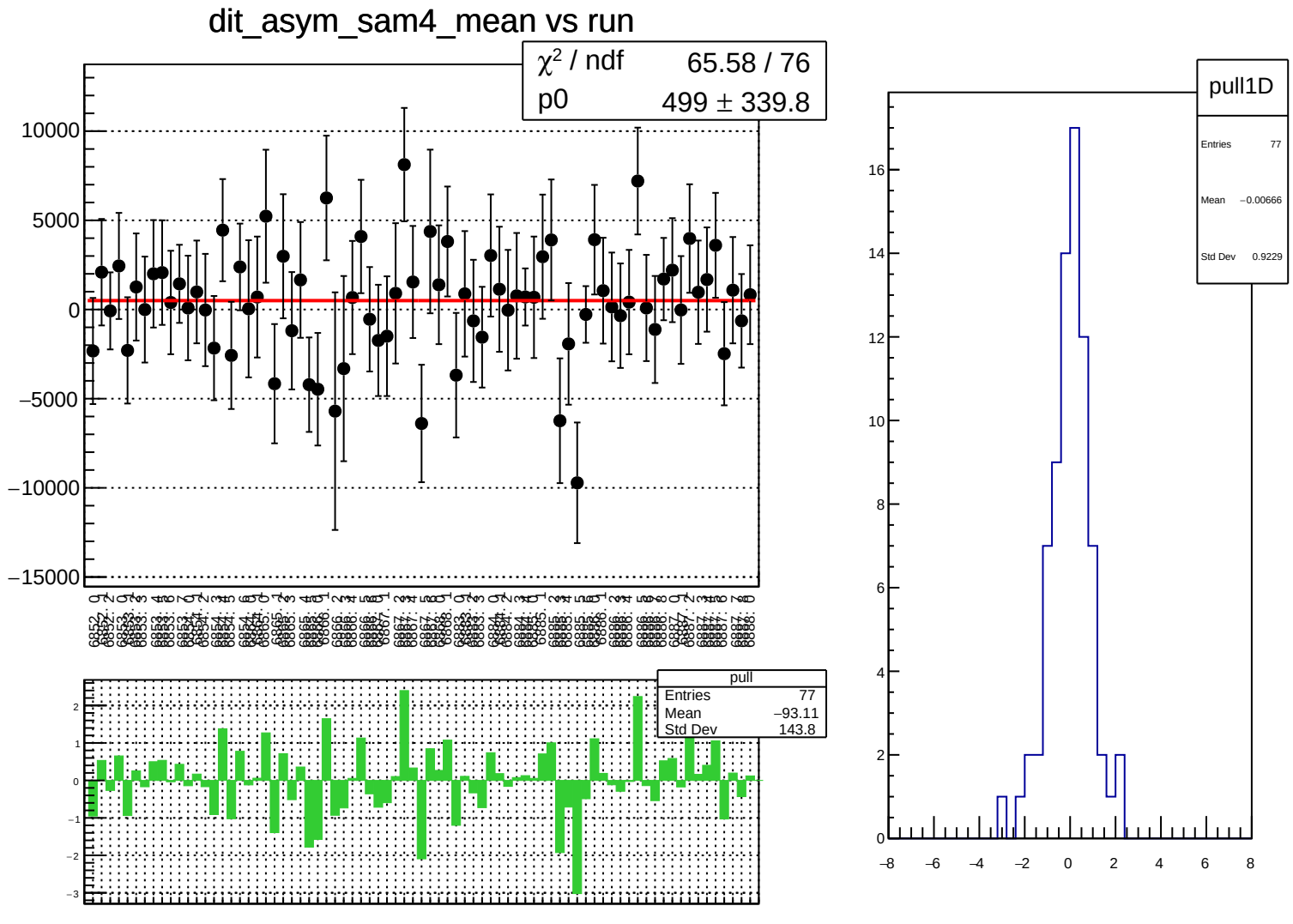

dit_asym_sam3_rms vs run
χ^2 / ndf 3.133e+04 / 76
p0 118.7 ± 0.09452
240
220
200
180
160
140
120
100

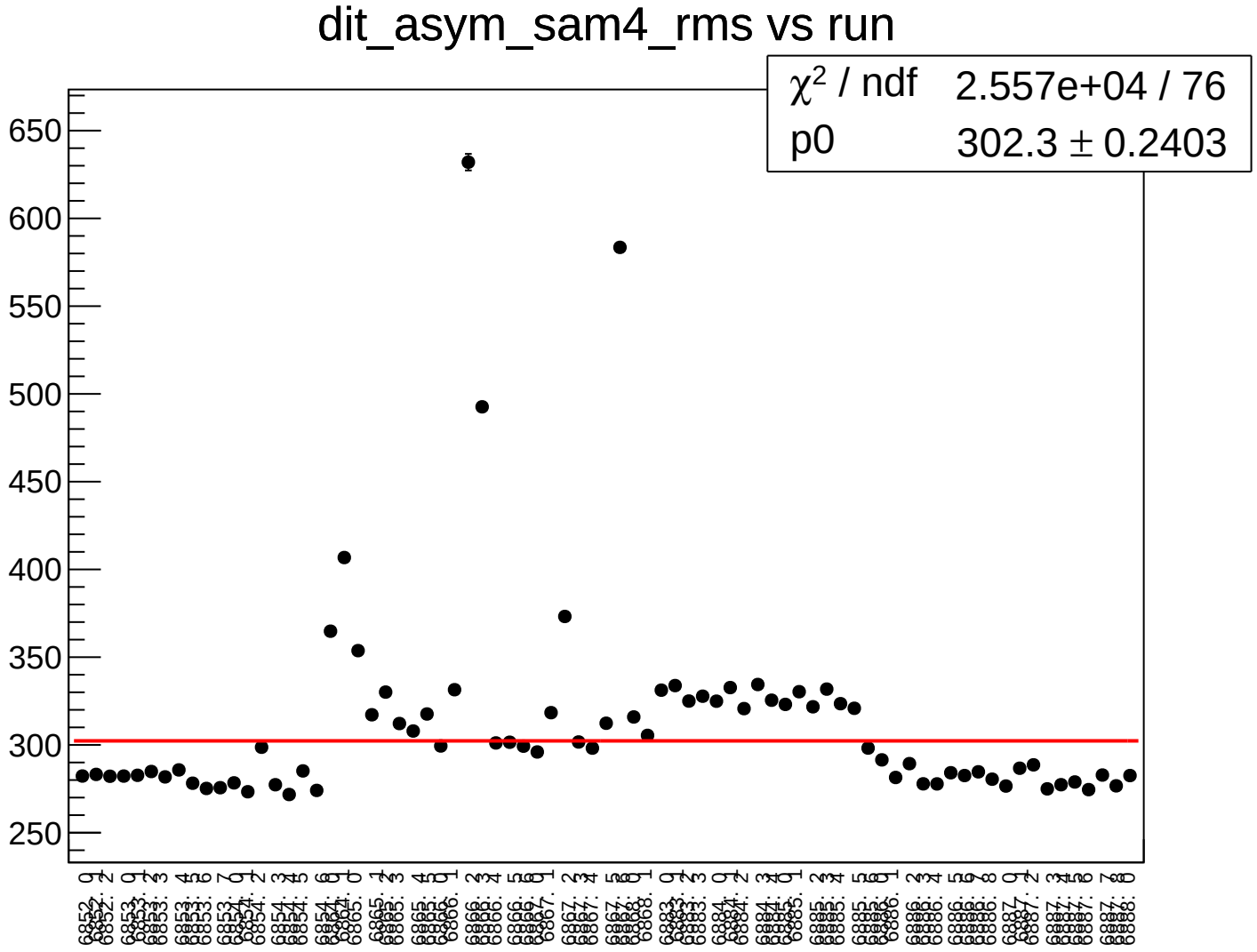

asym_sam3_correction_mean vs run
χ² / ndf 68.92 / 76
p0 −2663 ± 1380
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 141.7
Std Dev 97.31
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02591
Std Dev 0.9457
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

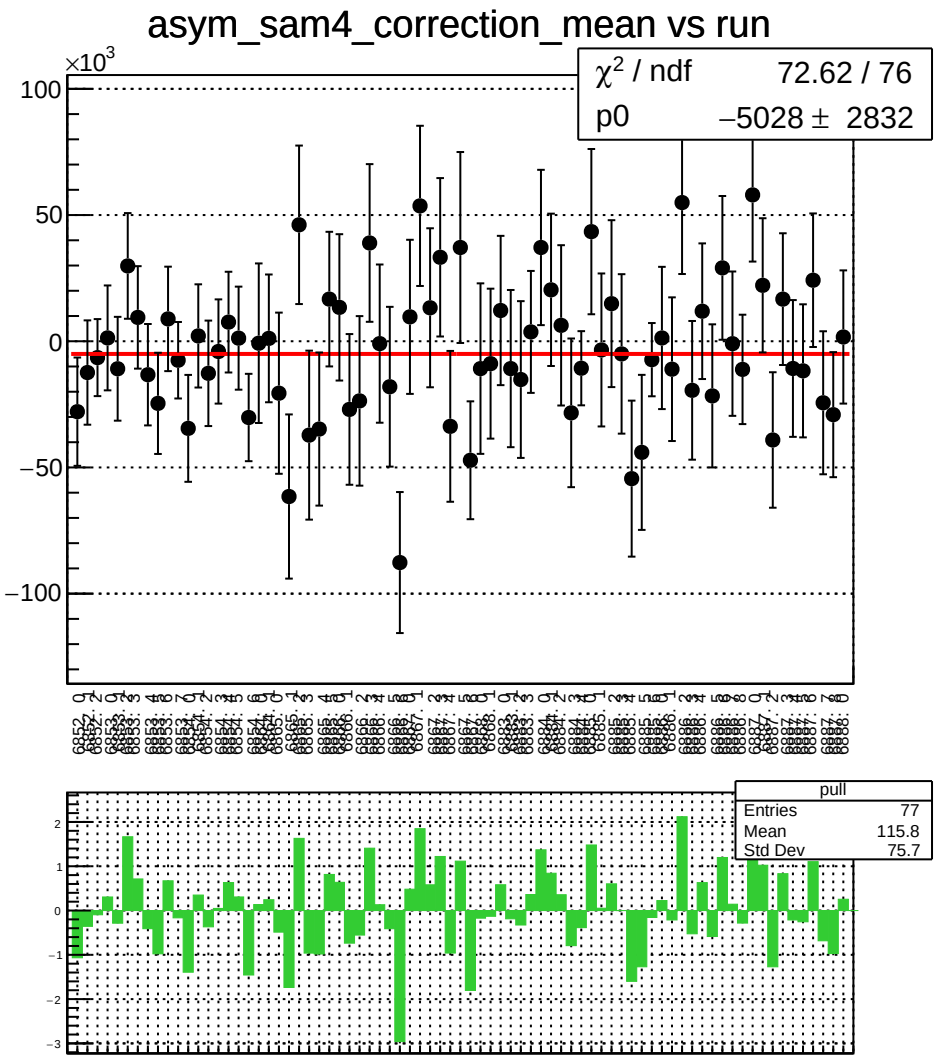

asym_sam3_correction_rms vs run
χ^2 / ndf 2.5e+04 / 76
p0 1228 ± 0.9758
1600
1500
1400
1300
1200
1100
1000

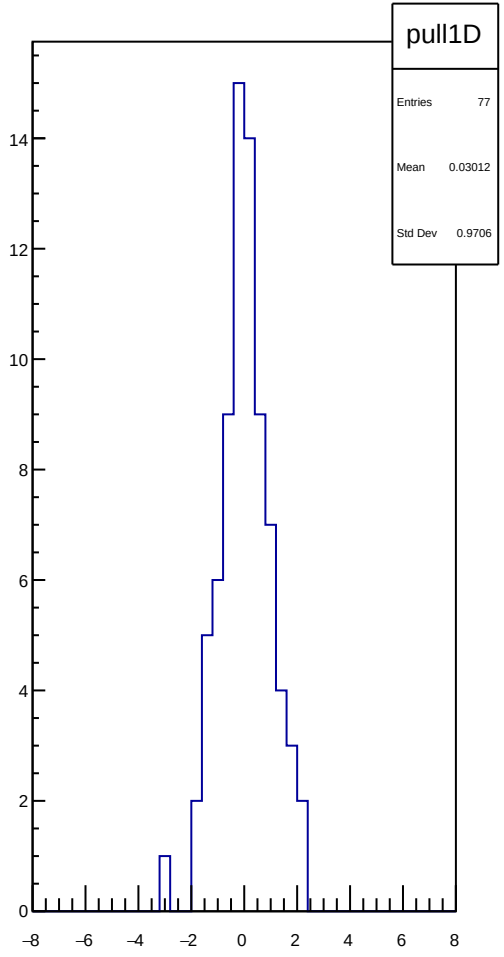

asym_sam3_mean vs run
χ² / ndf 70.27 / 76
p0 2511 ± 1372
pull
Entries 77
Mean 136.9
Std Dev 92.48
pull1D
Entries 77
Mean −0.02471
Std Dev 0.955


asym_sam3_rms vs run
χ^2 / ndf 2.903e+04 / 76
p0 1219 ± 0.9704
1700
1600
1500
1400
1300
1200
1100
1000

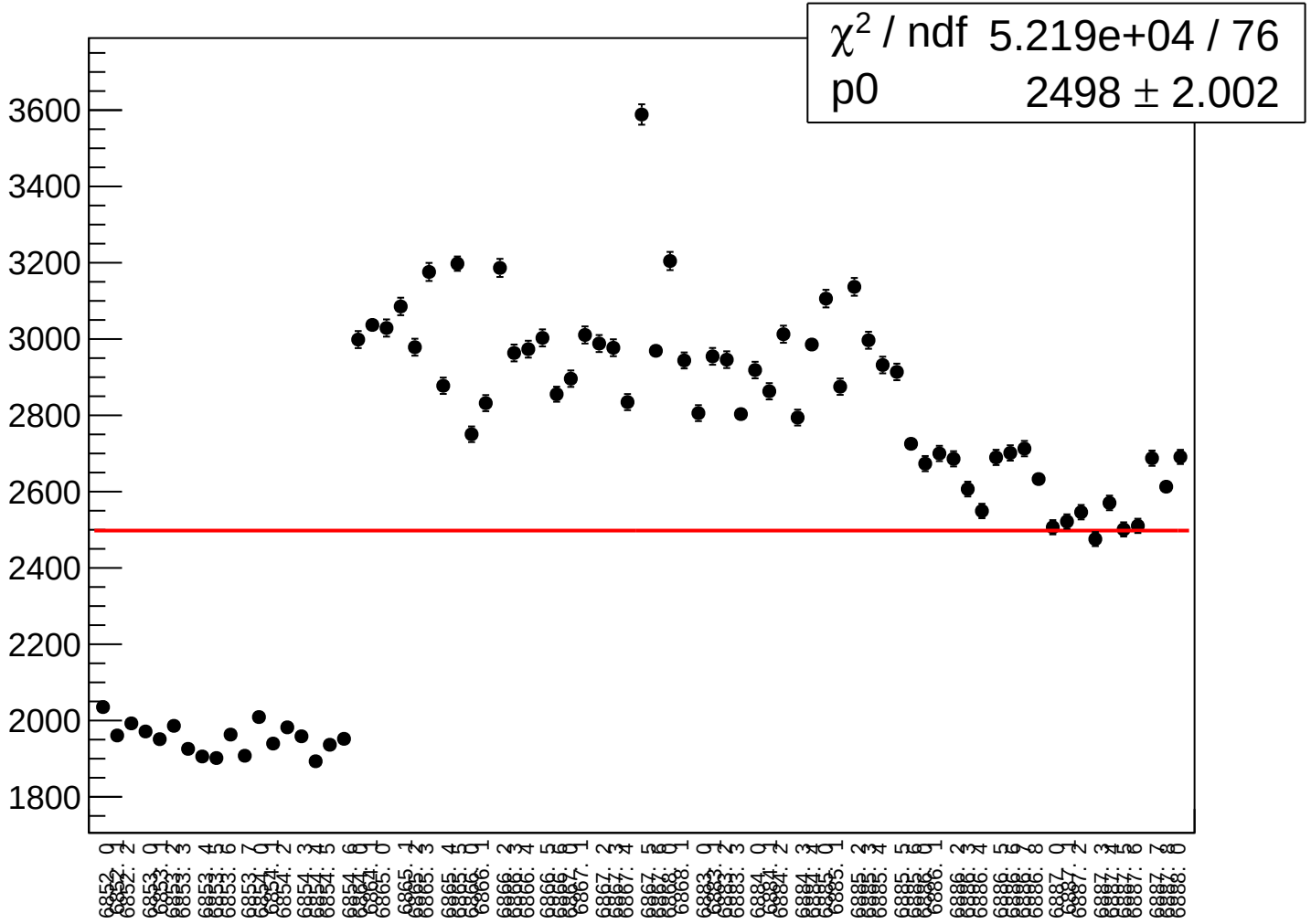

dit_asym_sam4_mean vs run
χ² / ndf 65.58 / 76
p0 499 ± 339.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean −93.11
Std Dev 143.8
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean −0.00666
Std Dev 0.9229
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

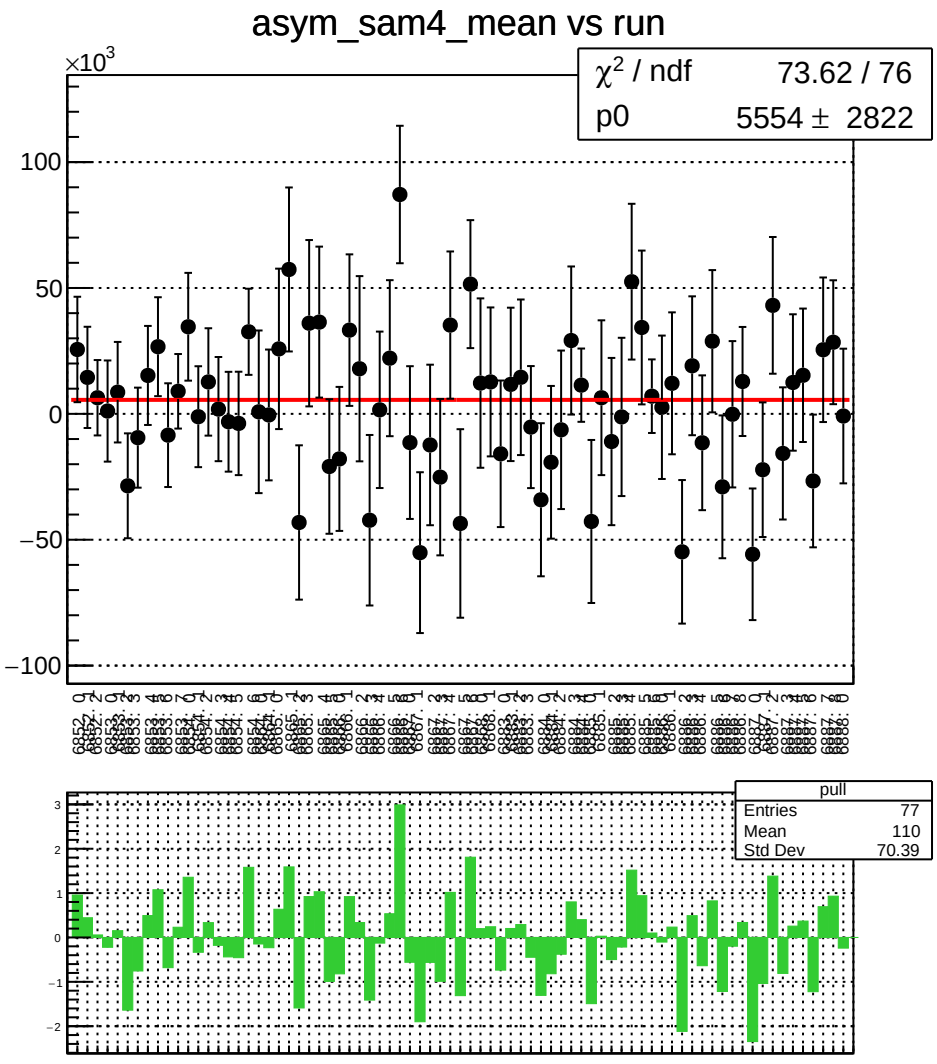

dit_asym_sam4_rms vs run
χ^2 / ndf 2.557e+04 / 76
p0 302.3 ± 0.2403
650
600
550
500
450
400
350
300
250

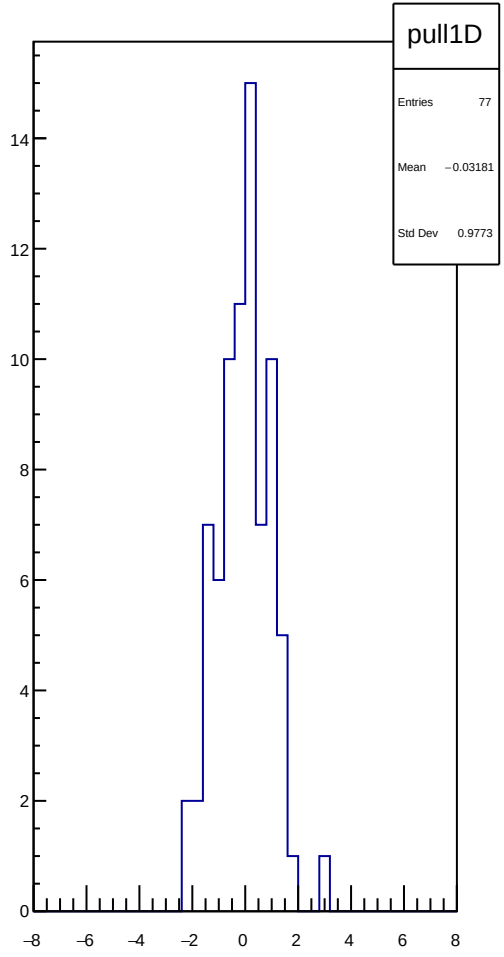

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 72.62 / 76
p0 −5028 ± 2832
pull
Entries 77
Mean 115.8
Std Dev 75.7

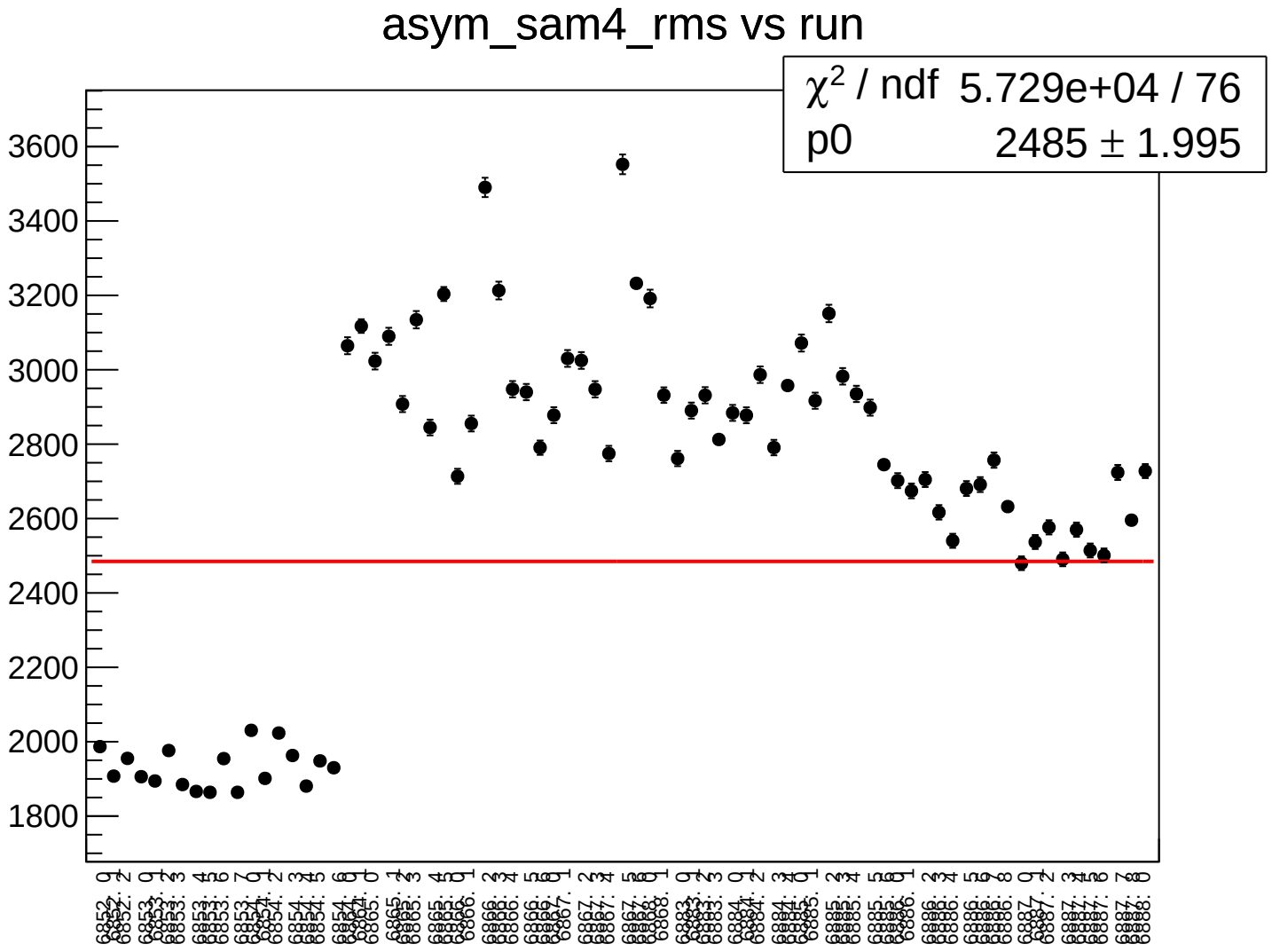

pull1D
Entries 77
Mean 0.03012
Std Dev 0.9706

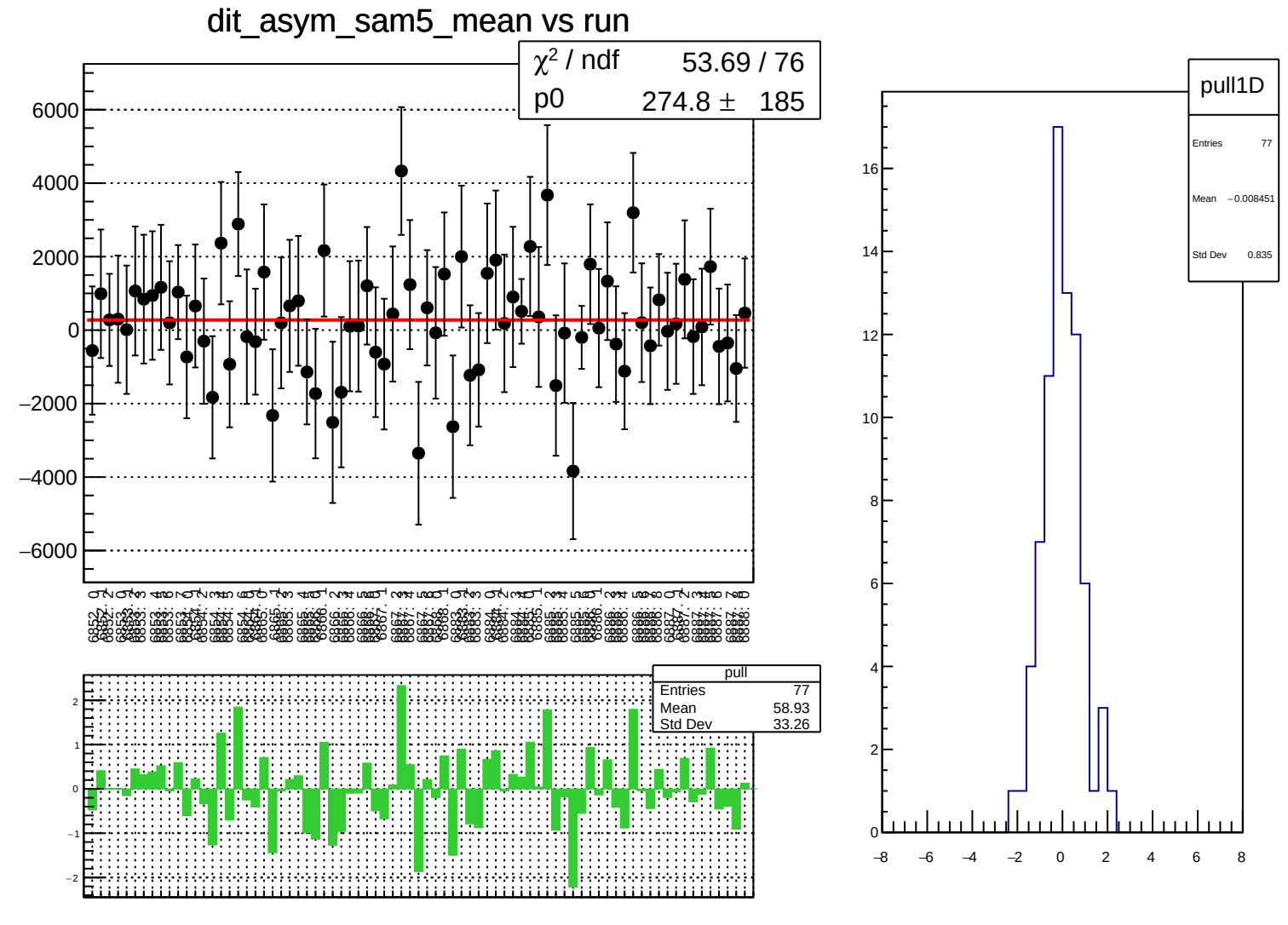
asym_sam4_correction_rms vs run

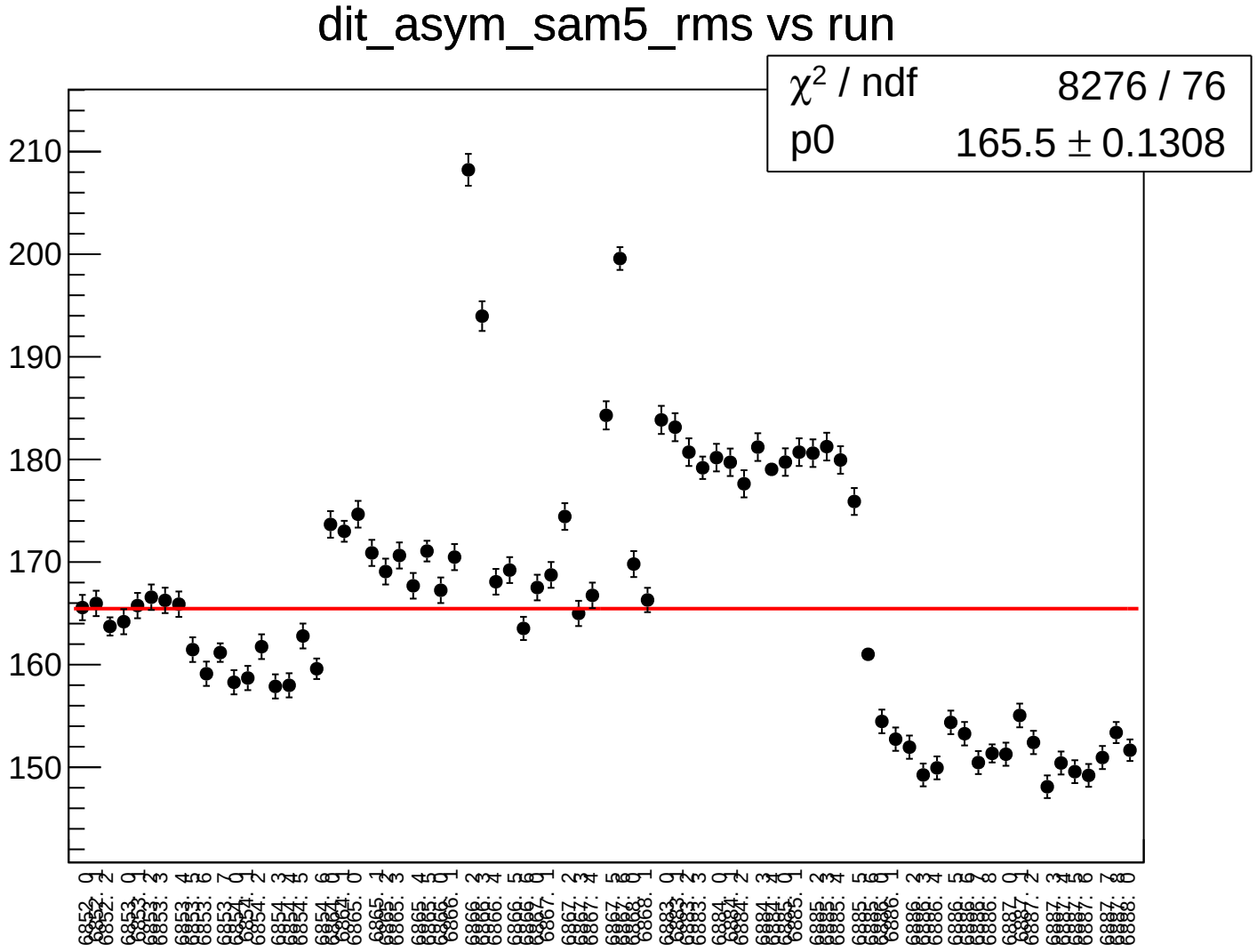


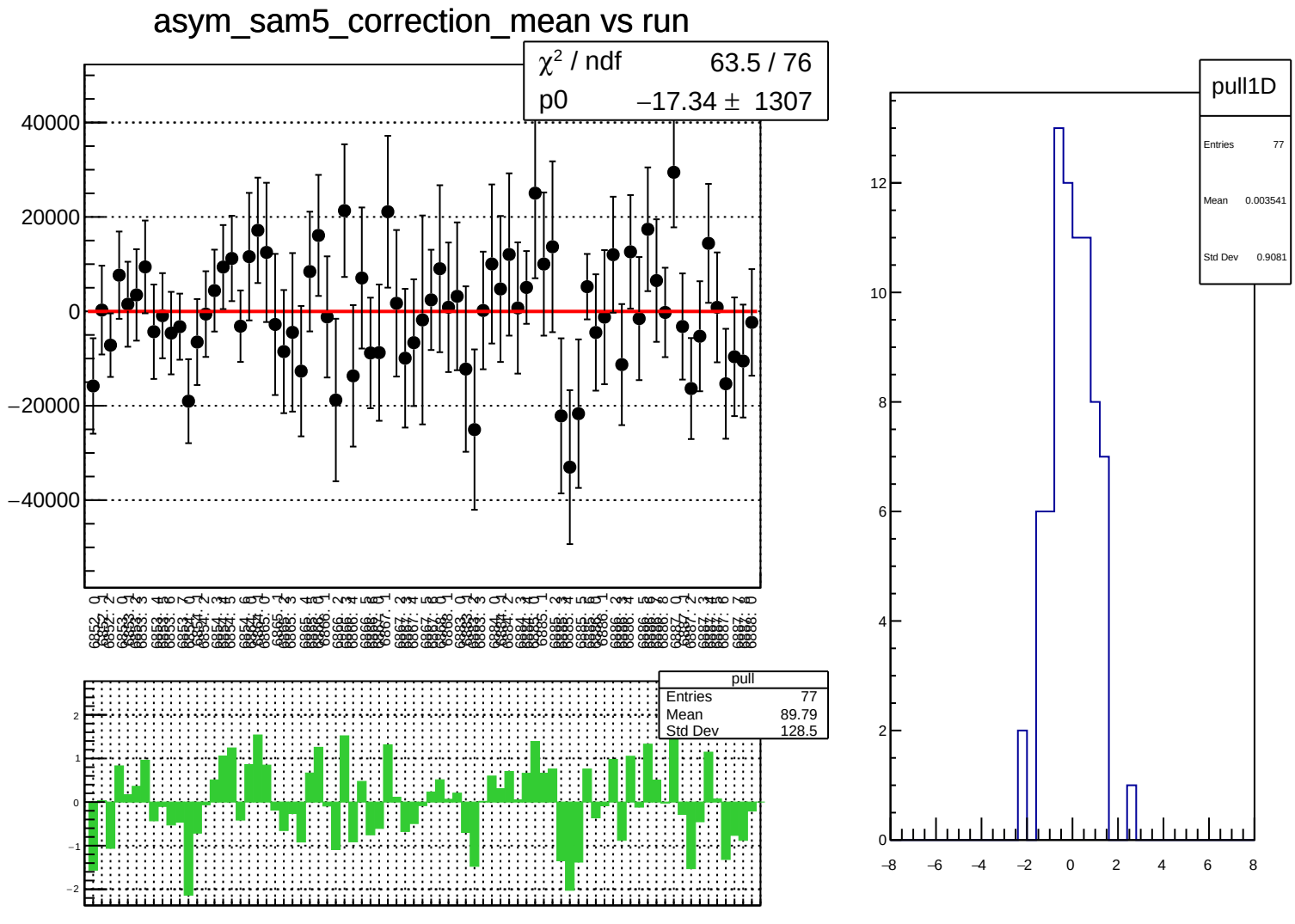

asym_sam4_mean vs run
×10^3
χ² / ndf 73.62 / 76
p0 5554 ± 2822
pull
Entries 77
Mean 110
Std Dev 70.39

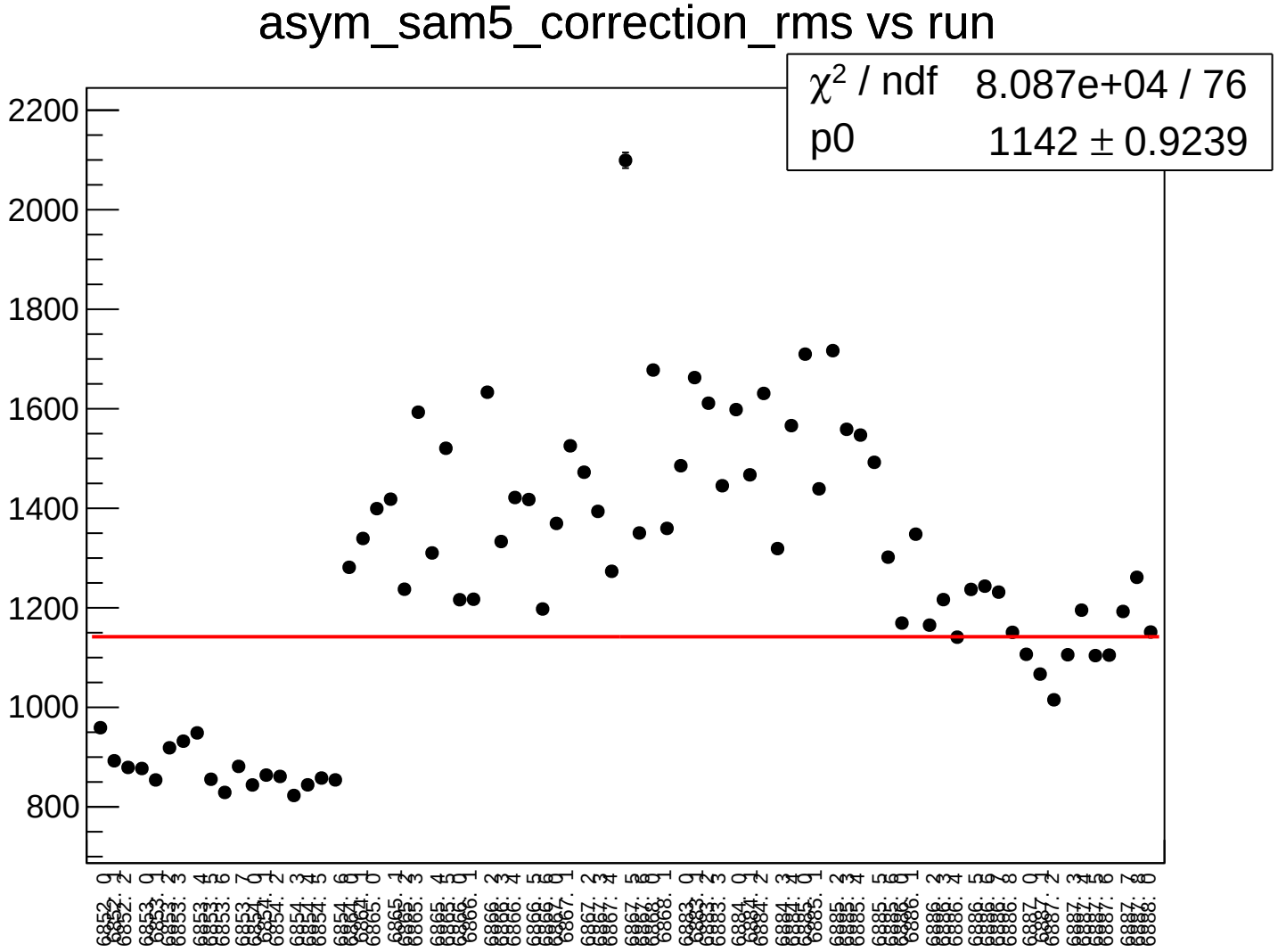

pull1D
Entries 77
Mean −0.03181
Std Dev 0.9773

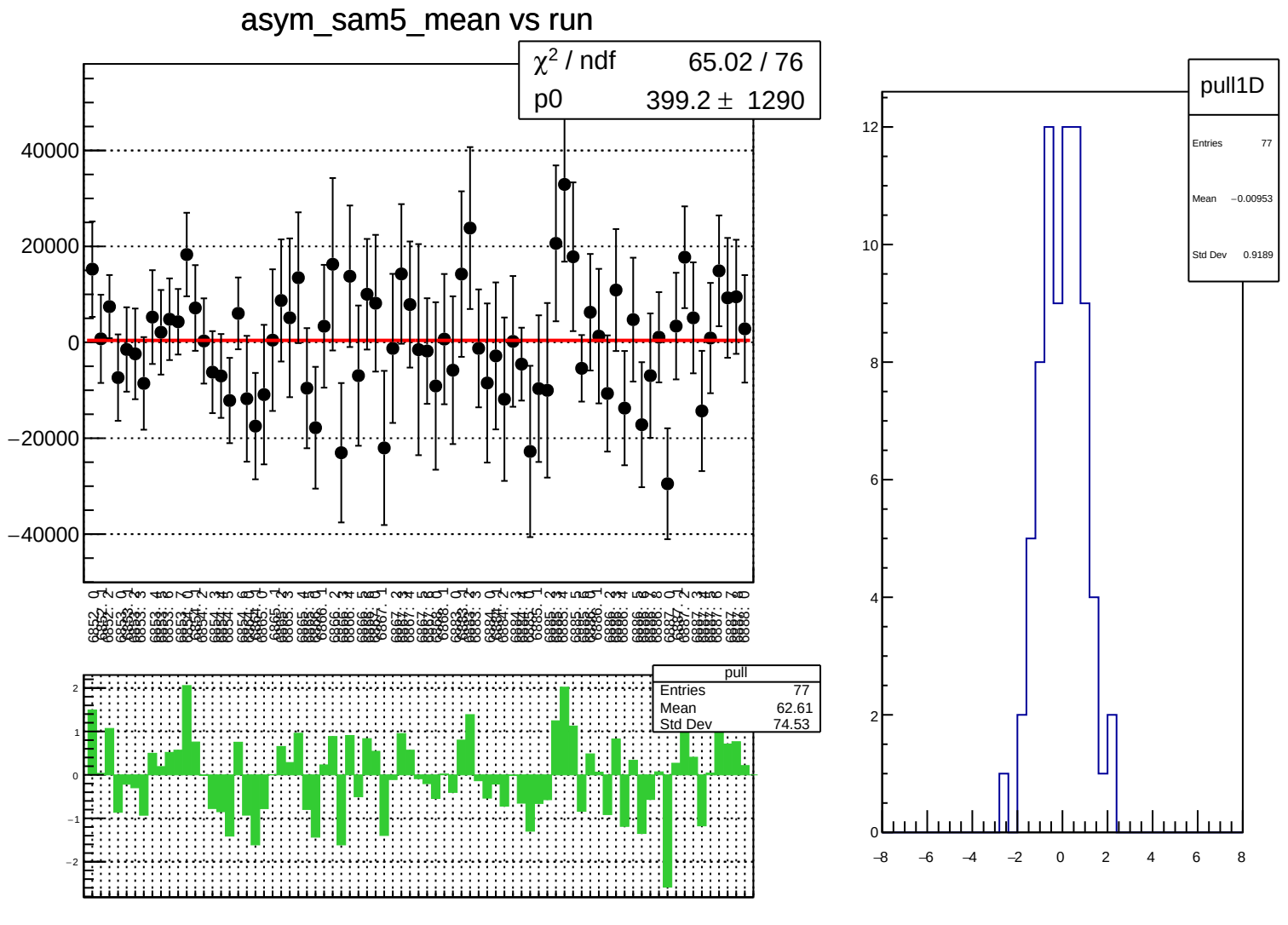

asym_sam4_rms vs run
χ^2 / ndf 5.729e+04 / 76
p0 2485 ± 1.995
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

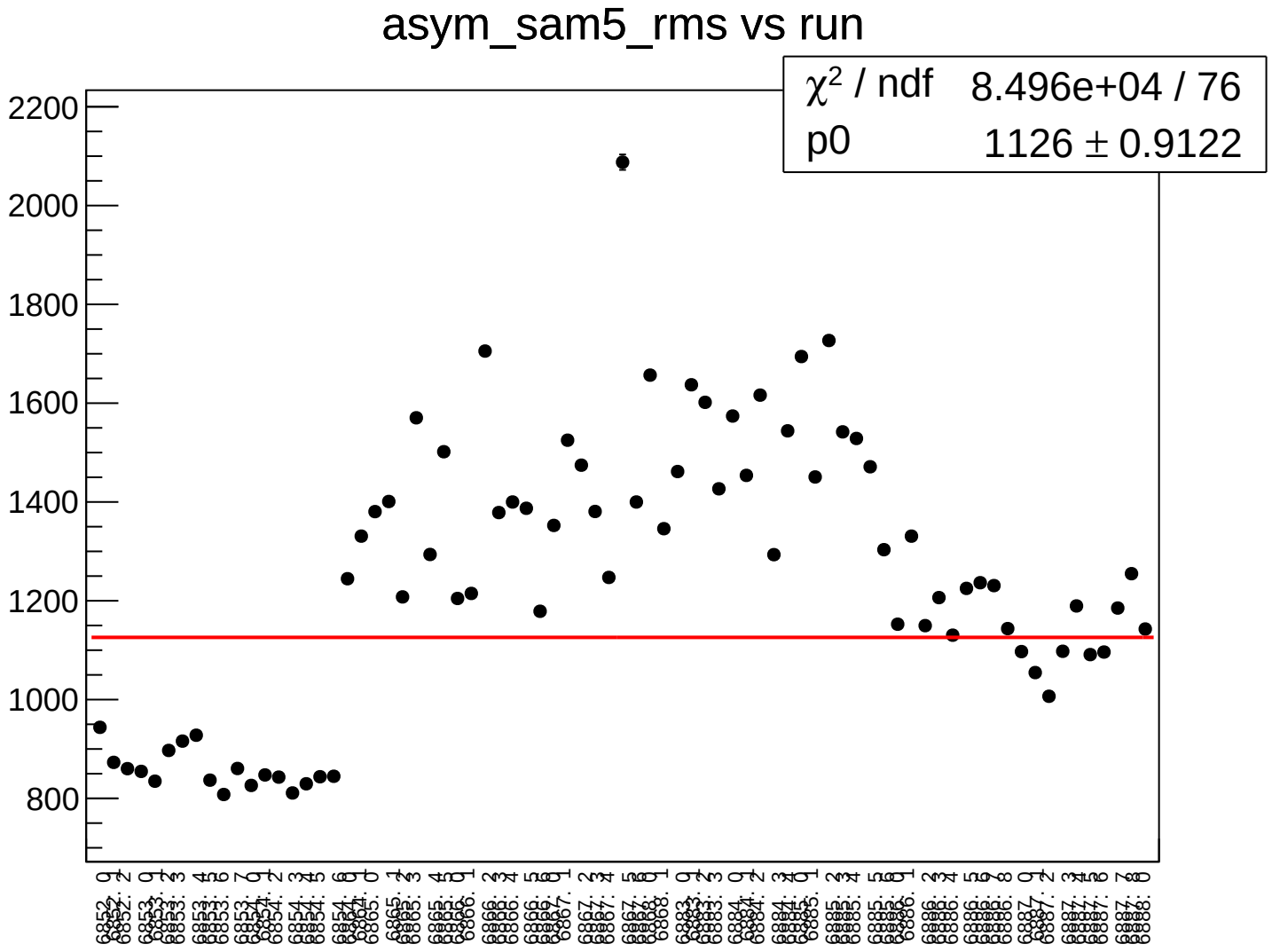

dit_asym_sam5_mean vs run
χ² / ndf 53.69 / 76
p0 274.8 ± 185
pull
Entries 77
Mean 58.93
Std Dev 33.26
pull1D
Entries 77
Mean −0.008451
Std Dev 0.835

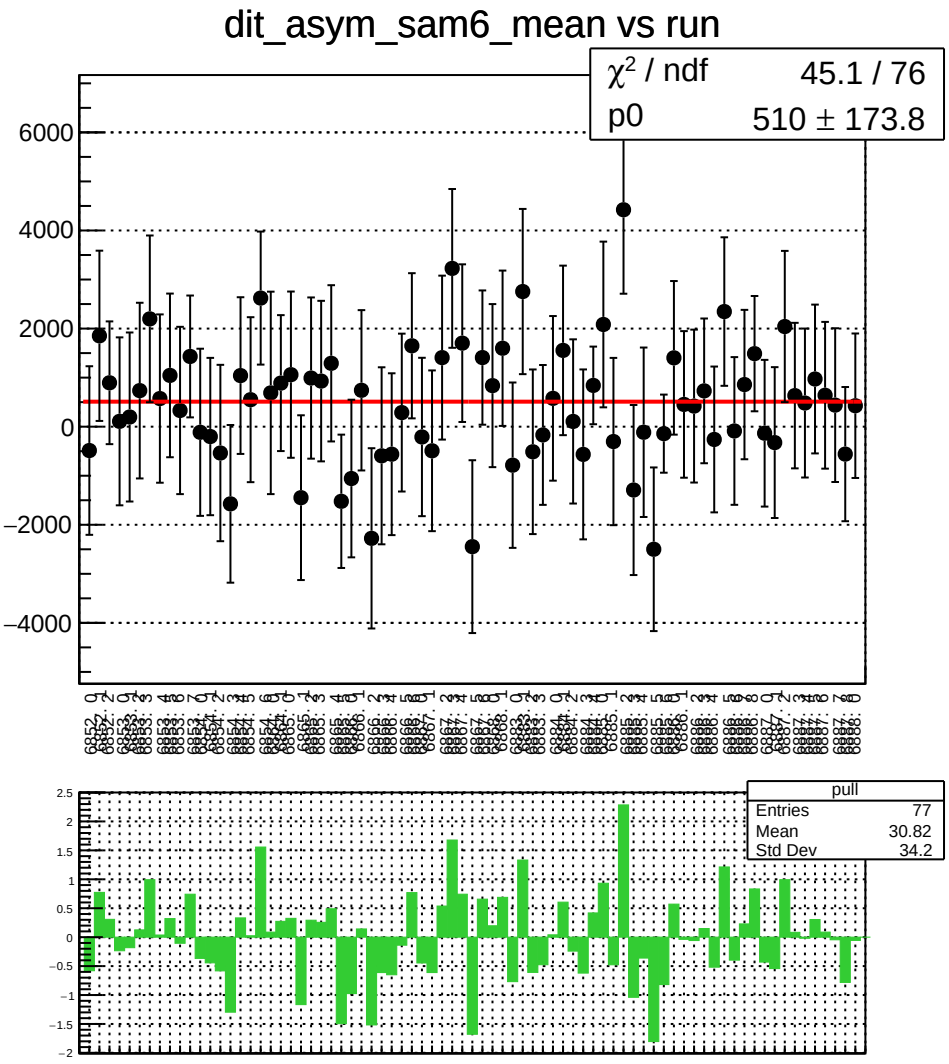

dit_asym_sam5_rms vs run
χ^2 / ndf 8276 / 76
p0 165.5 ± 0.1308
210
200
190
180
170
160
150

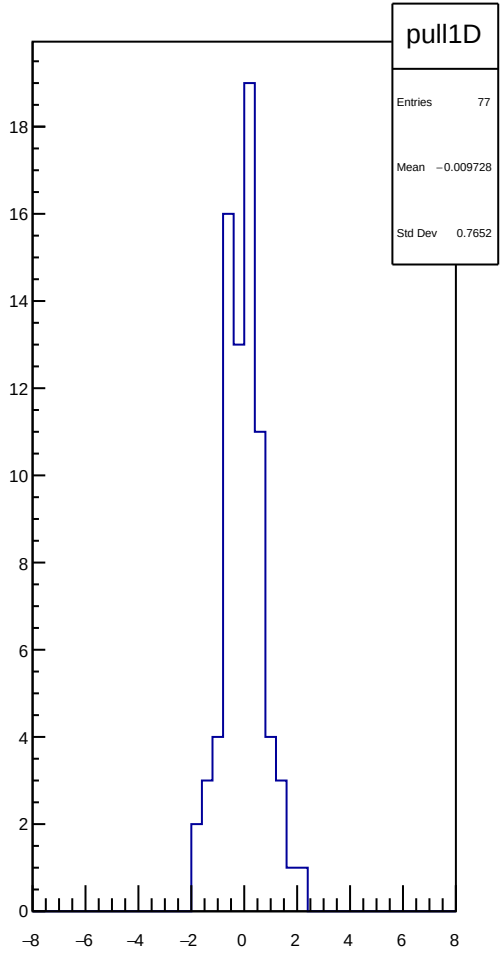

asym_sam5_correction_mean vs run
χ² / ndf 63.5 / 76
p0 −17.34 ± 1307
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 89.79
Std Dev 128.5
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.003541
Std Dev 0.9081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

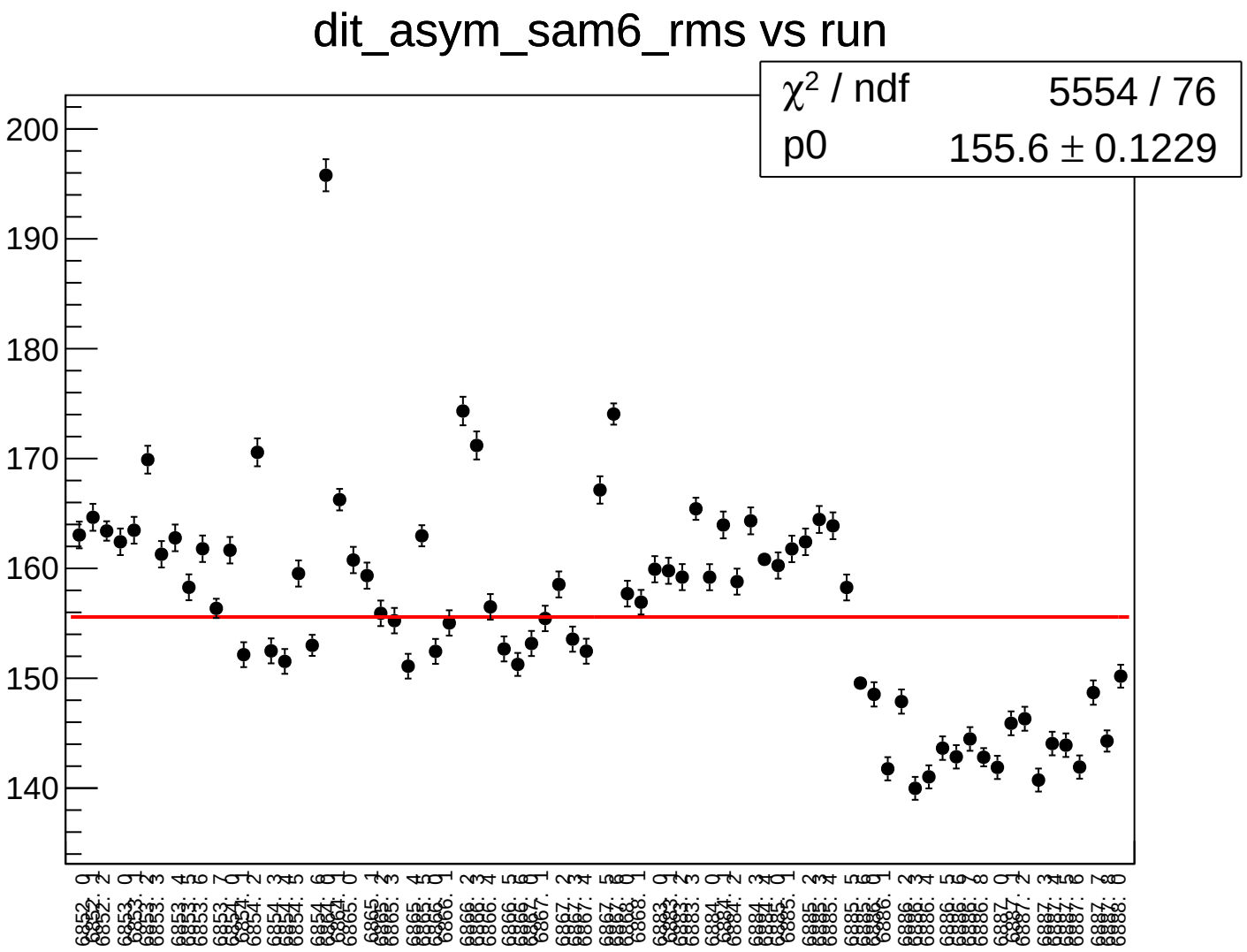

asym_sam5_correction_rms vs run
χ^2 / ndf 8.087e+04 / 76
p0 1142 ± 0.9239
2200
2000
1800
1600
1400
1200
1000
800

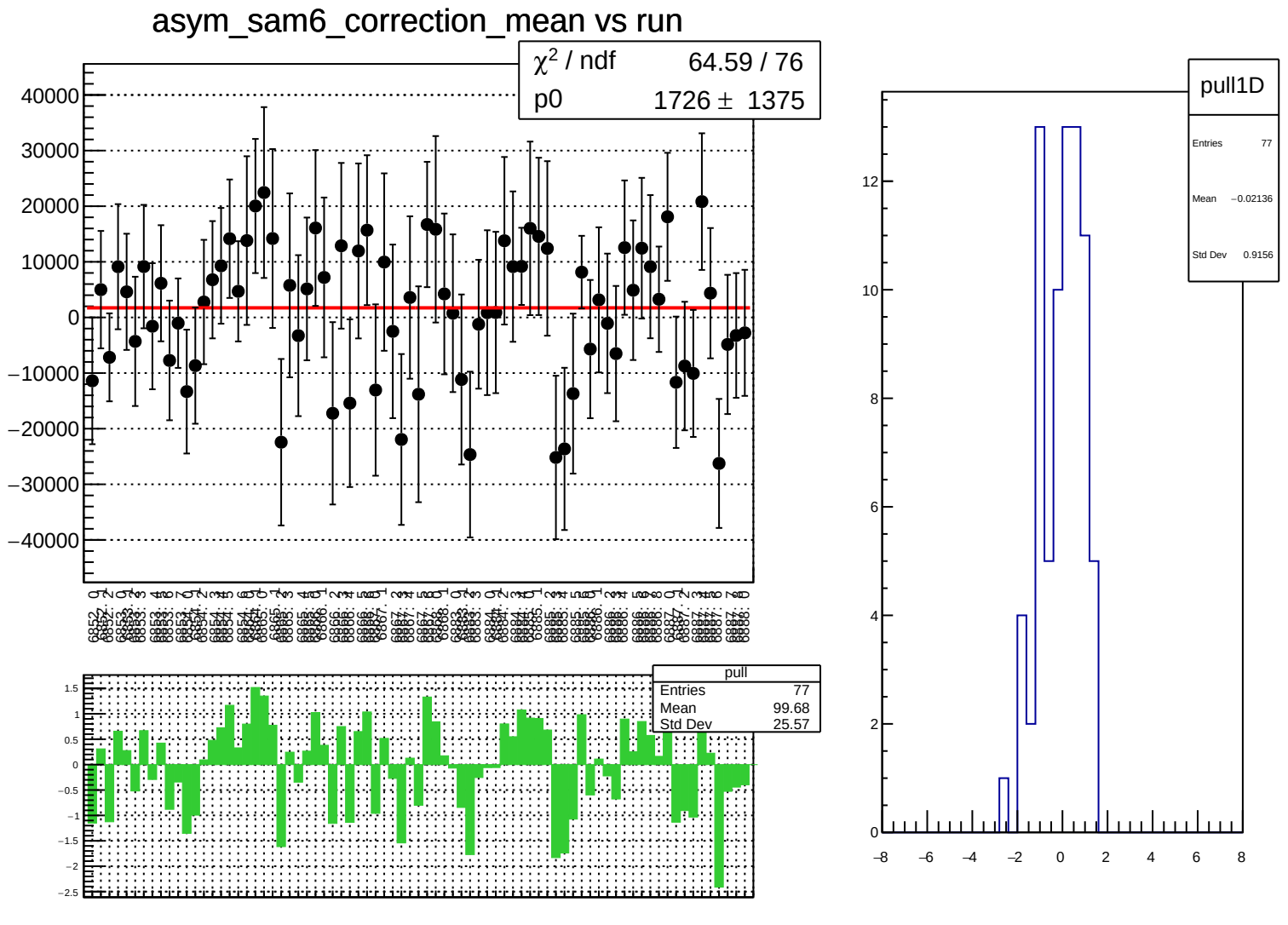

asym_sam5_mean vs run
χ² / ndf 65.02 / 76
p0 399.2 ± 1290
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 62.61
Std Dev 74.53
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.00953
Std Dev 0.9189
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_rms vs run
χ^2 / ndf 8.496e+04 / 76
p0 1126 ± 0.9122
2200
2000
1800
1600
1400
1200
1000
800

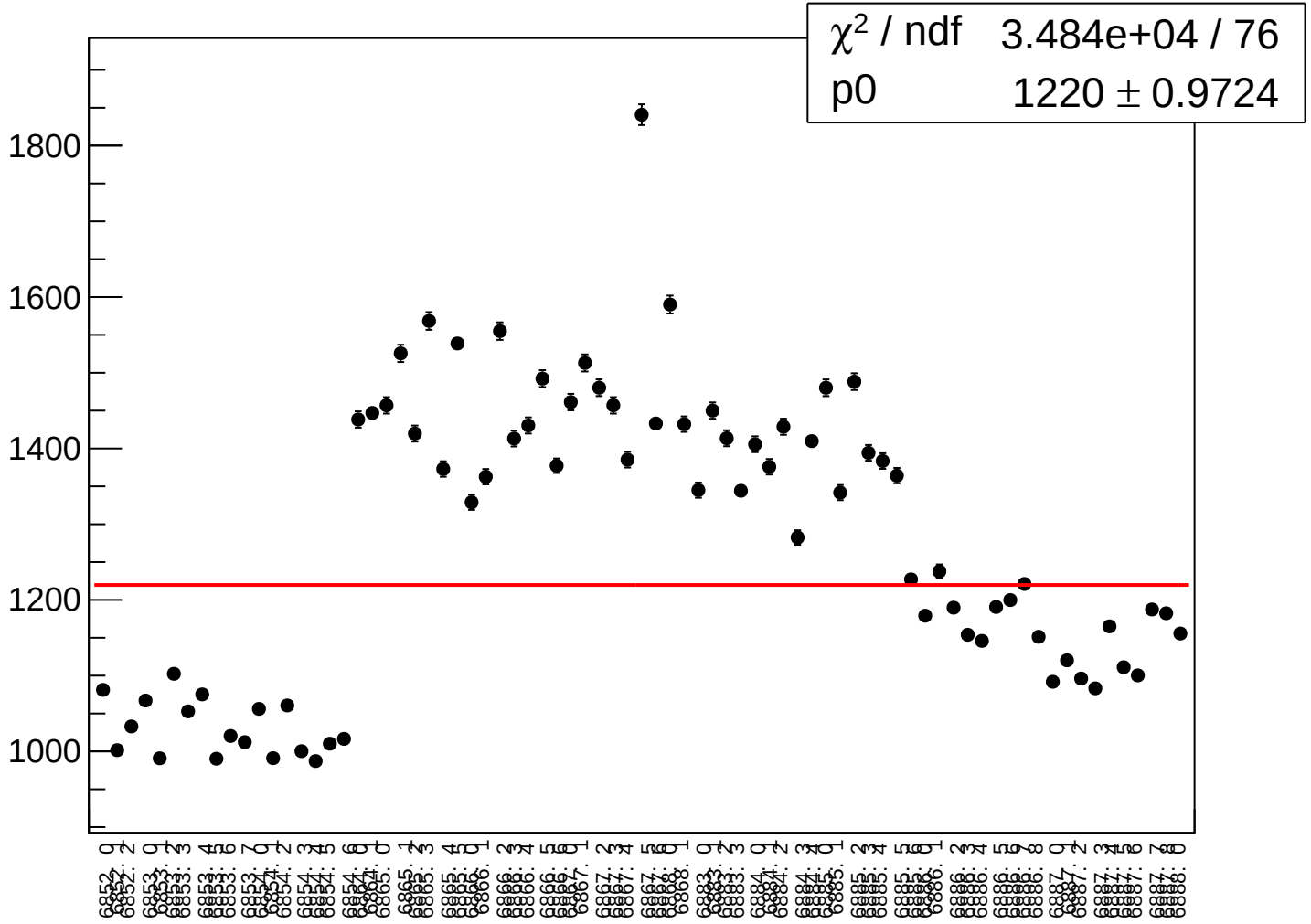

dit_asym_sam6_mean vs run
χ² / ndf 45.1 / 76
p0 510 ± 173.8
pull
Entries 77
Mean 30.82
Std Dev 34.2

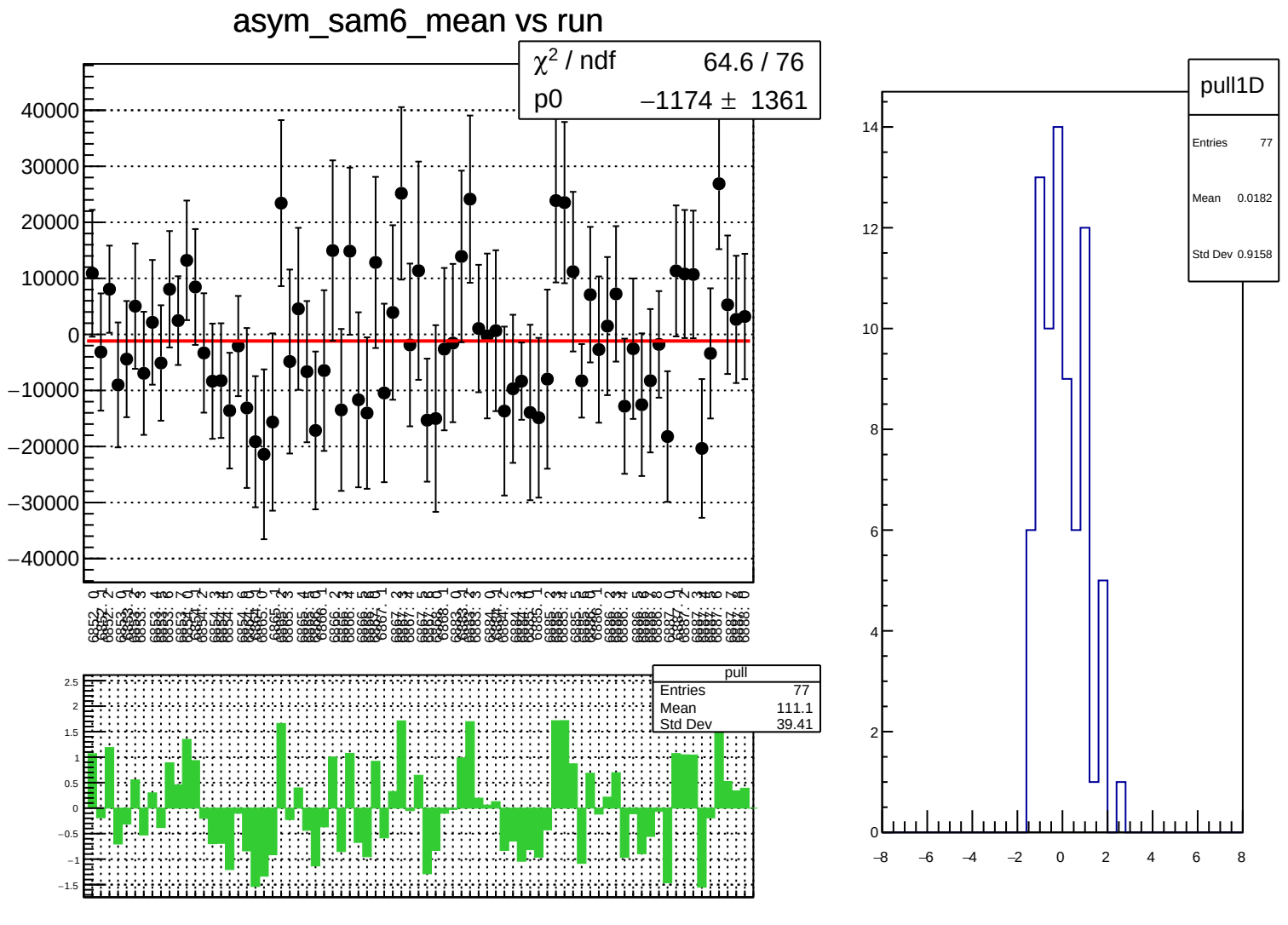

pull1D
Entries 77
Mean −0.009728
Std Dev 0.7652

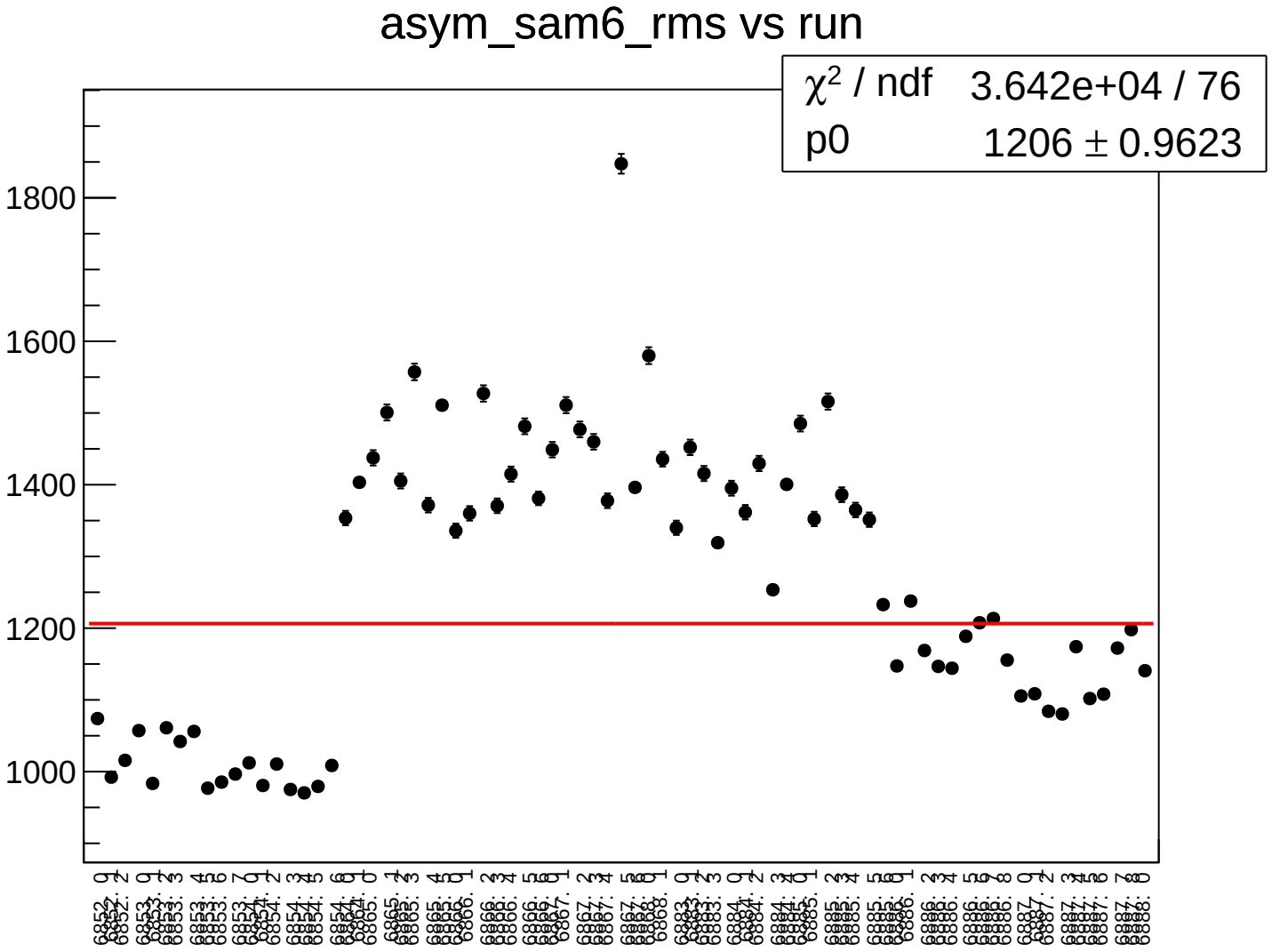

dit_asym_sam6_rms vs run
χ^2 / ndf 5554 / 76
p0 155.6 ± 0.1229
200
190
180
170
160
150
140

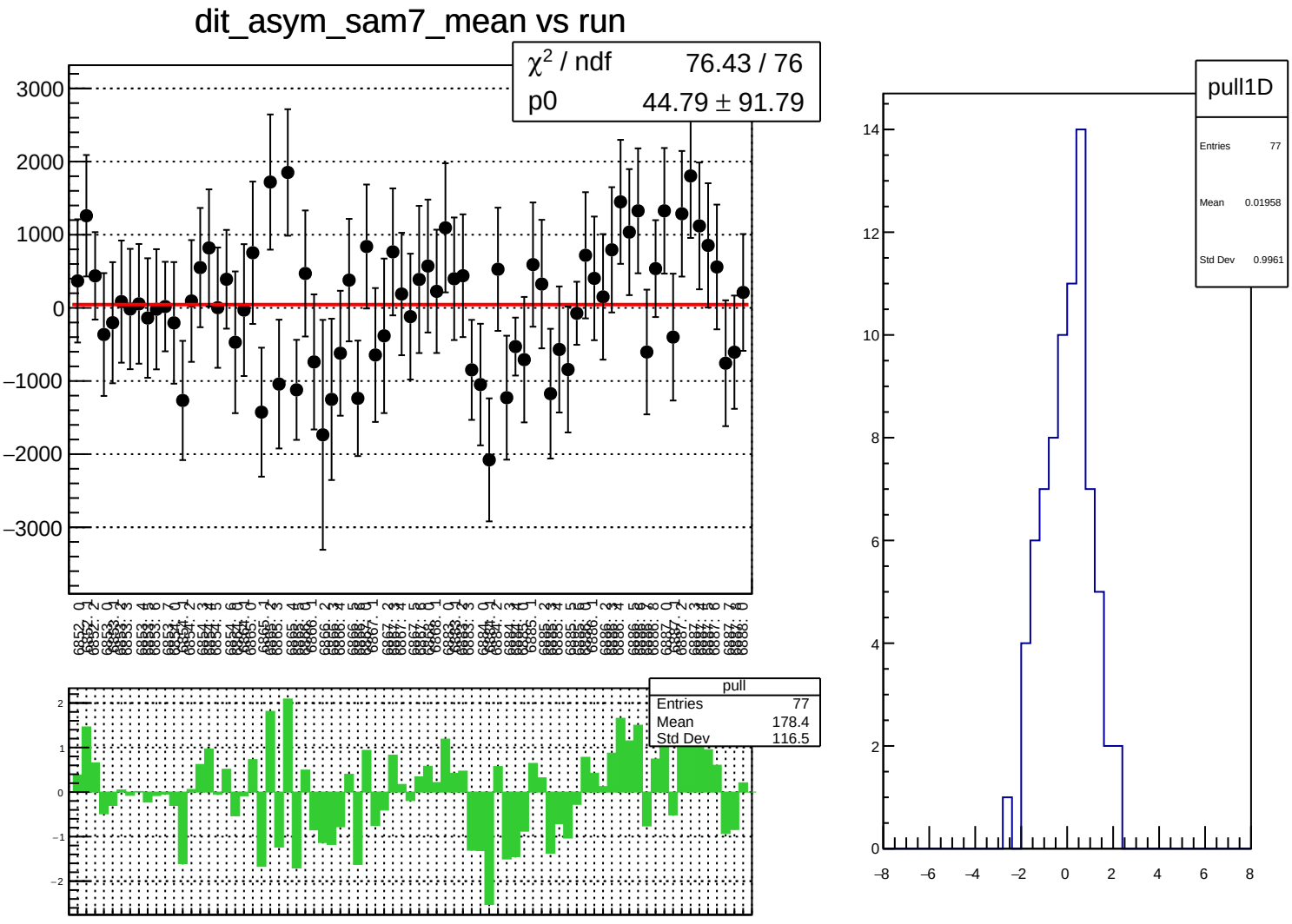

asym_sam6_correction_mean vs run
χ² / ndf 64.59 / 76
p0 1726 ± 1375
pull
Entries 77
Mean 99.68
Std Dev 25.57
pull1D
Entries 77
Mean −0.02136
Std Dev 0.9156

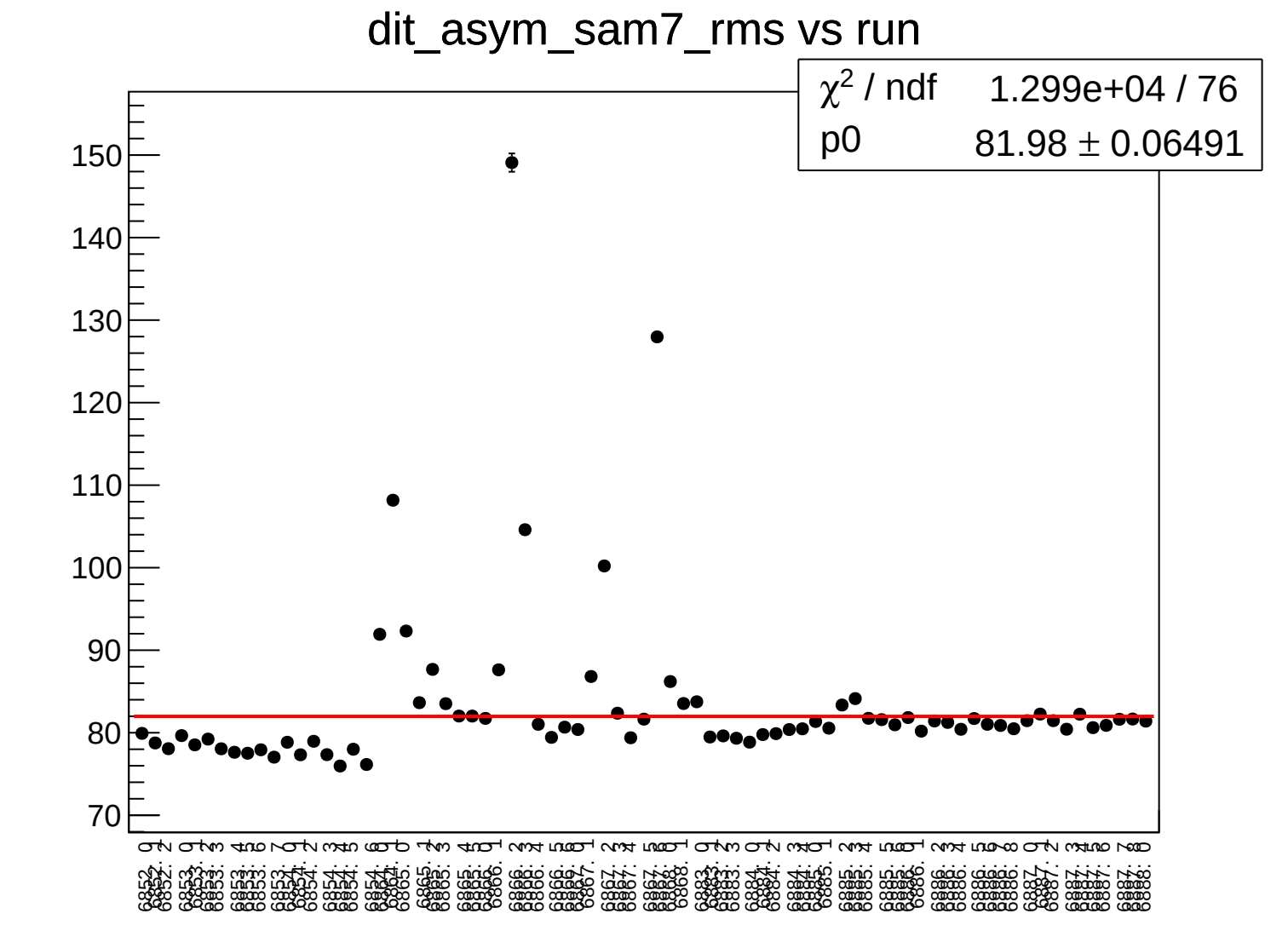
asym_sam6_correction_rms vs run

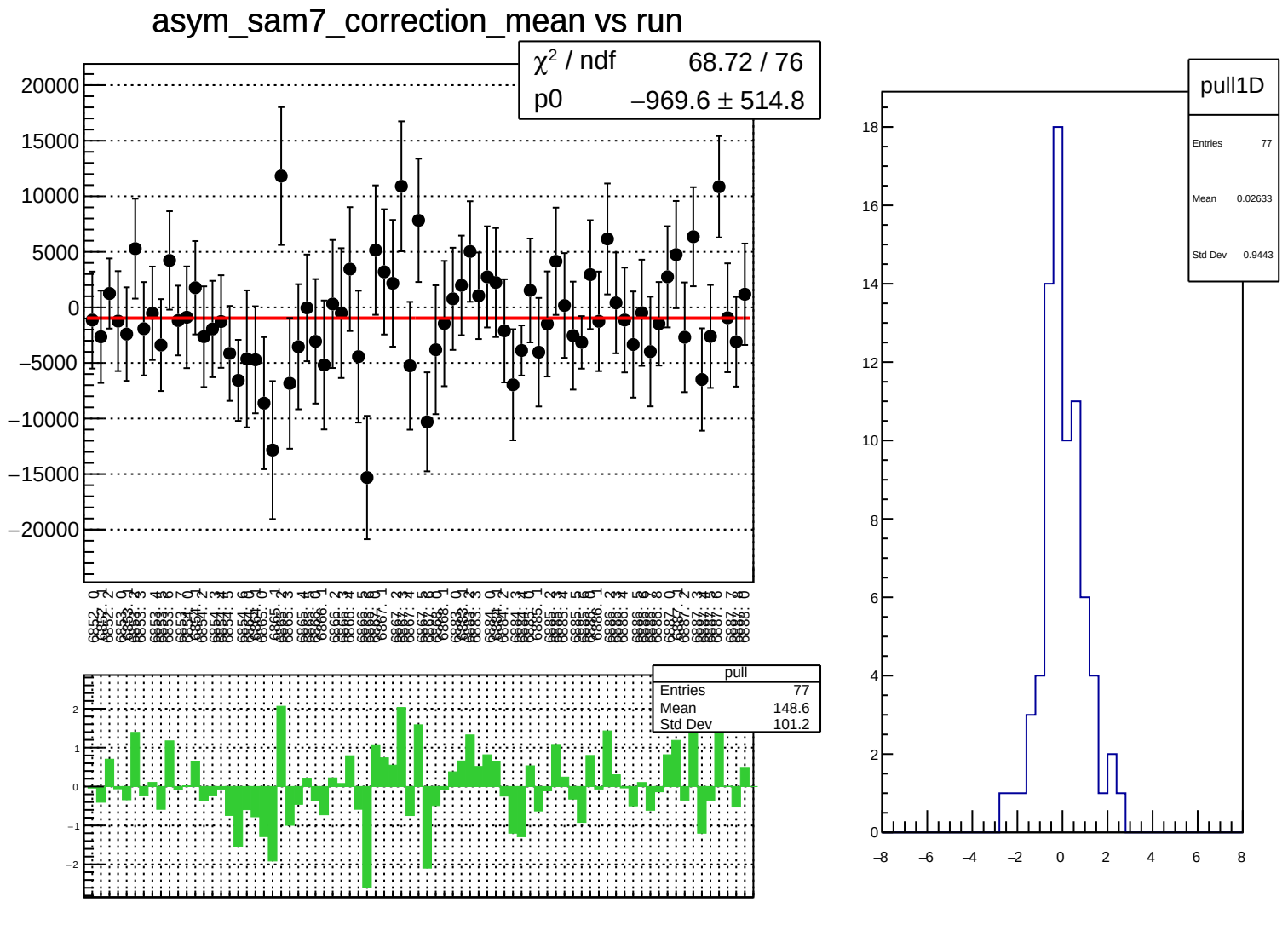



asym_sam6_mean vs run
χ² / ndf 64.6 / 76
p0 −1174 ± 1361
pull
Entries 77
Mean 111.1
Std Dev 39.41
pull1D
Entries 77
Mean 0.0182
Std Dev 0.9158

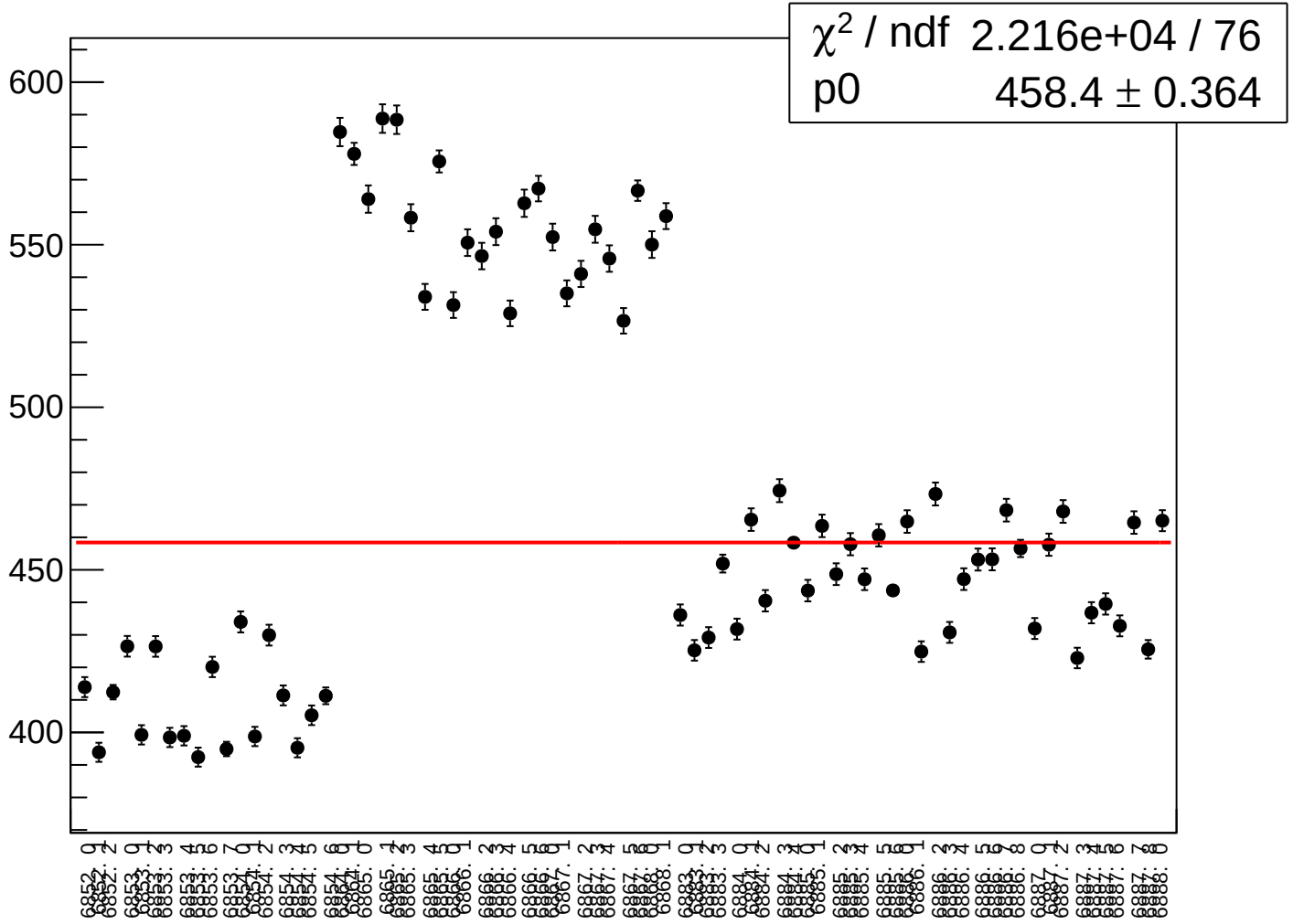

asym_sam6_rms vs run
χ^2 / ndf 3.642e+04 / 76
p0 1206 ± 0.9623
1800
1600
1400
1200
1000

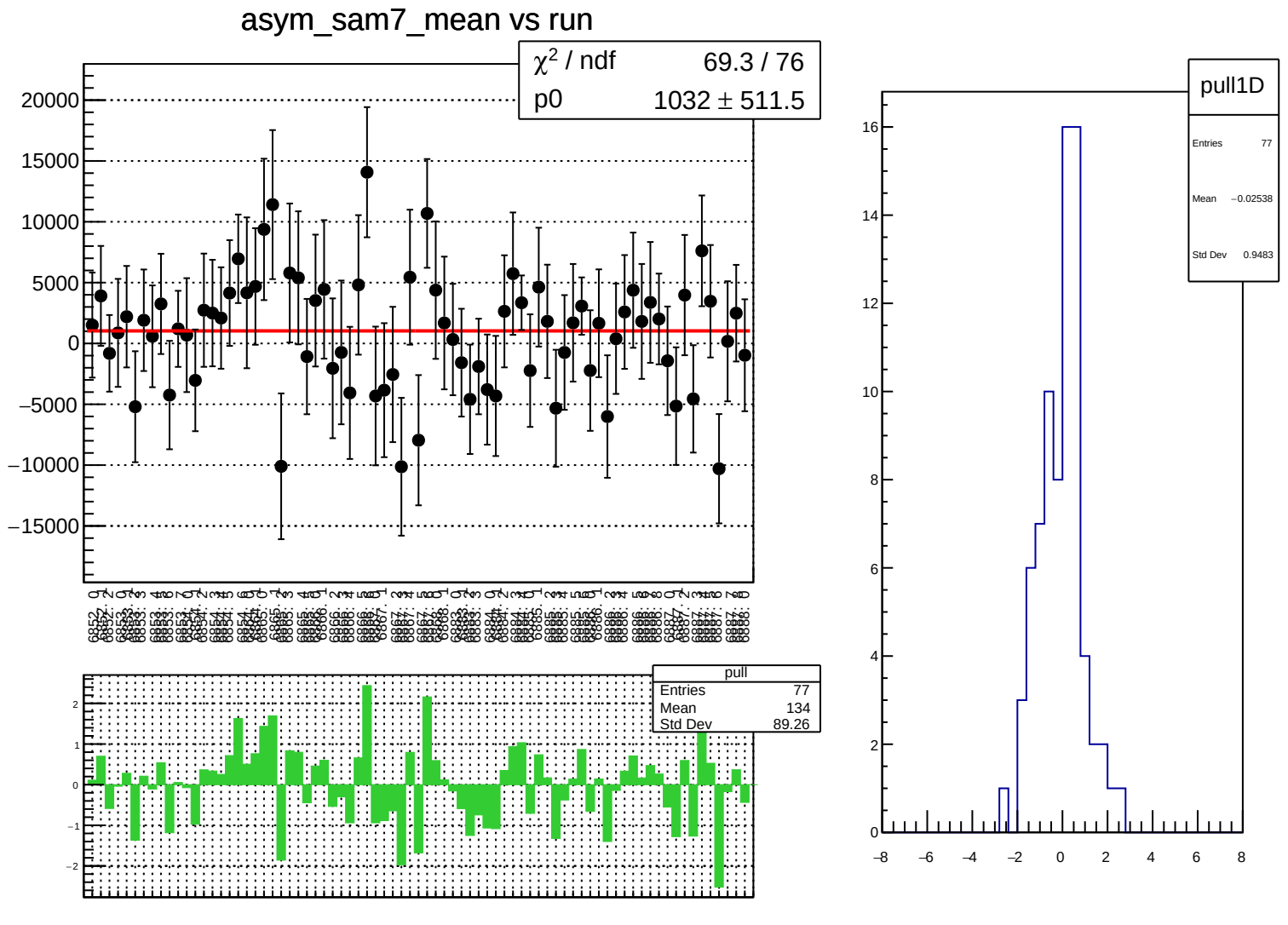

dit_asym_sam7_mean vs run
χ² / ndf 76.43 / 76
p0 44.79 ± 91.79
pull
Entries 77
Mean 178.4
Std Dev 116.5
pull1D
Entries 77
Mean 0.01958
Std Dev 0.9961


dit_asym_sam7_rms vs run
χ^2 / ndf 1.299e+04 / 76
p0 81.98 ± 0.06491
150
140
130
120
110
100
90
80
70

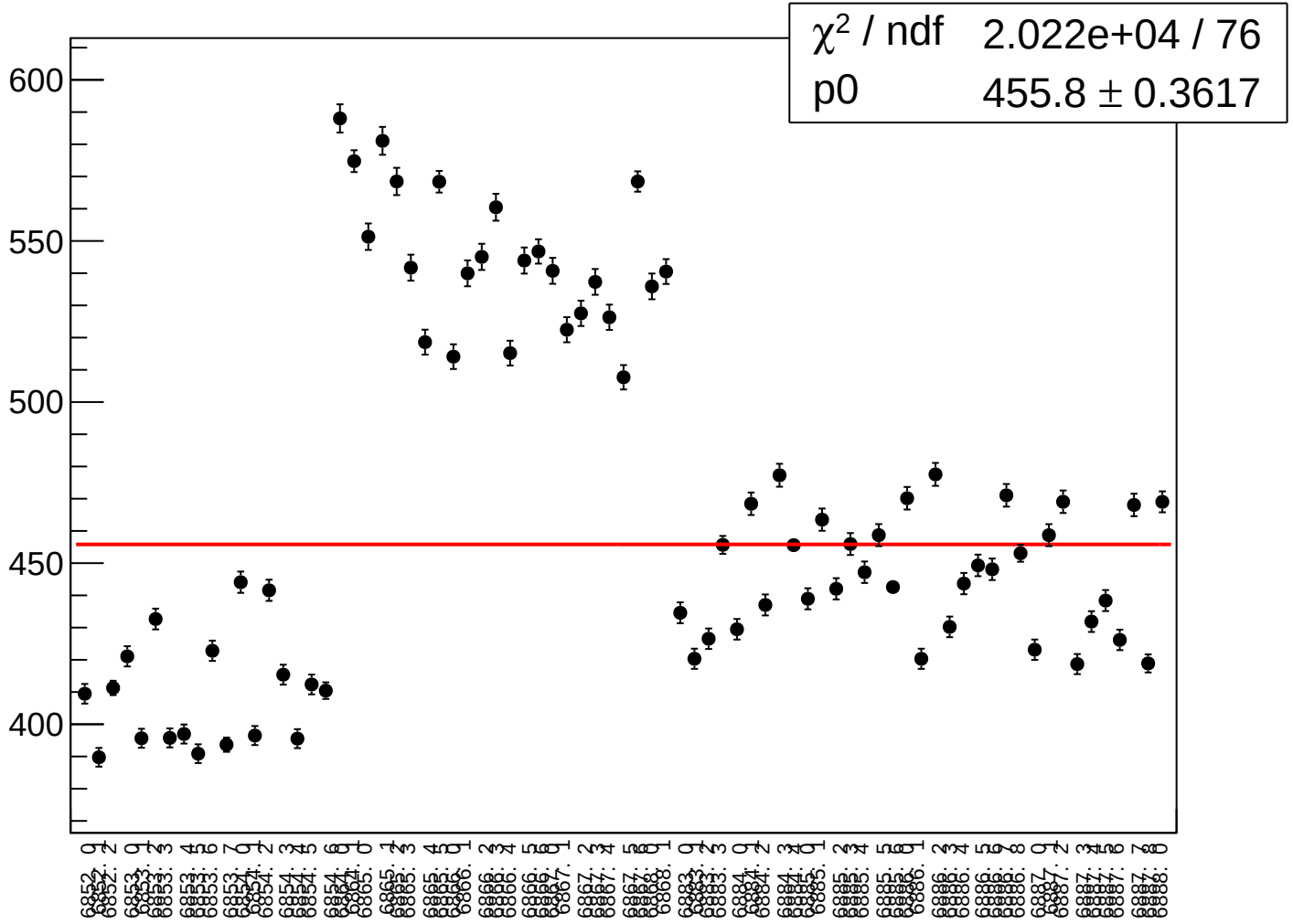

asym_sam7_correction_mean vs run
χ² / ndf 68.72 / 76
p0 −969.6 ± 514.8
pull
Entries 77
Mean 148.6
Std Dev 101.2
pull1D
Entries 77
Mean 0.02633
Std Dev 0.9443

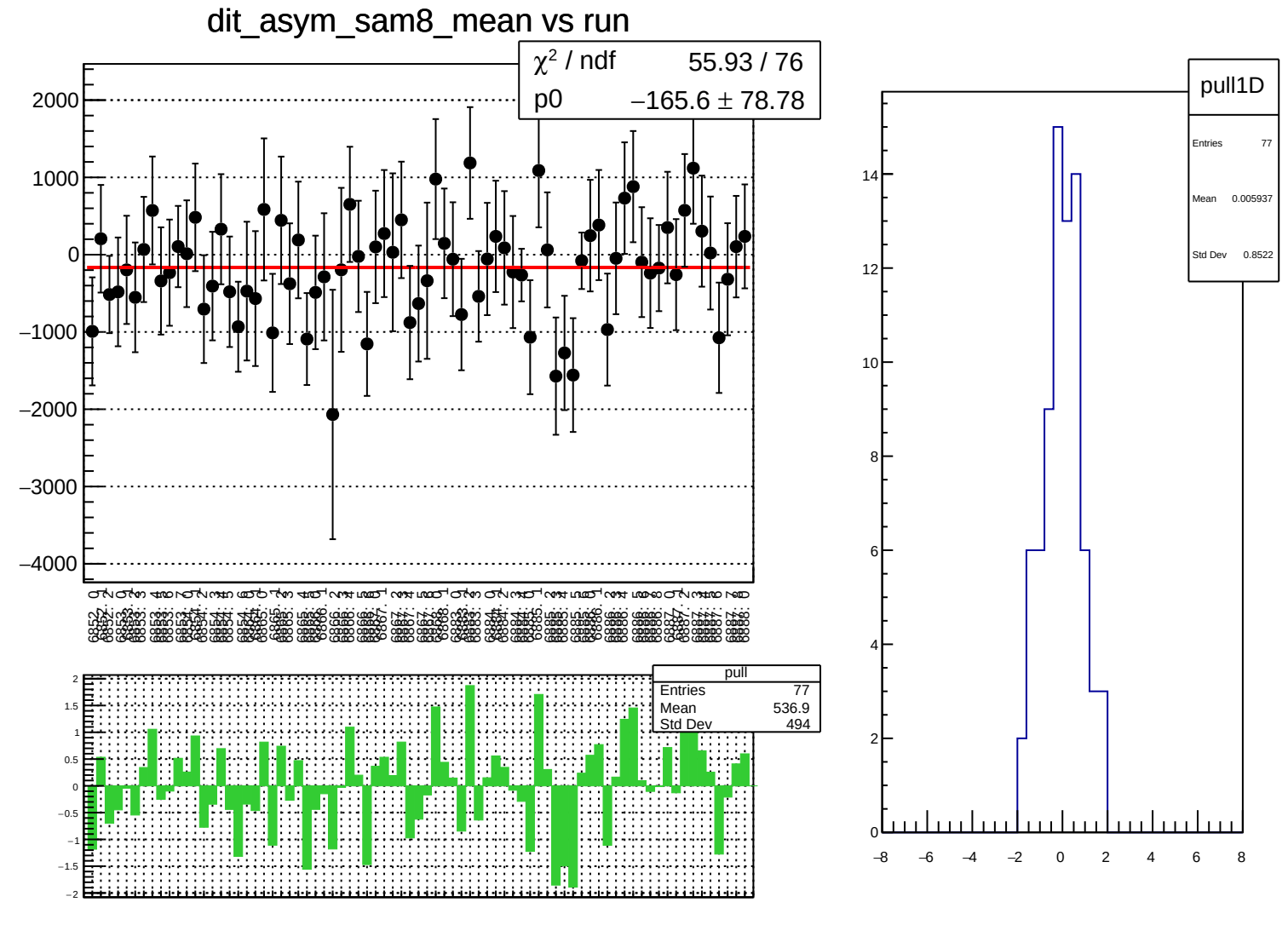
asym_sam7_correction_rms vs run



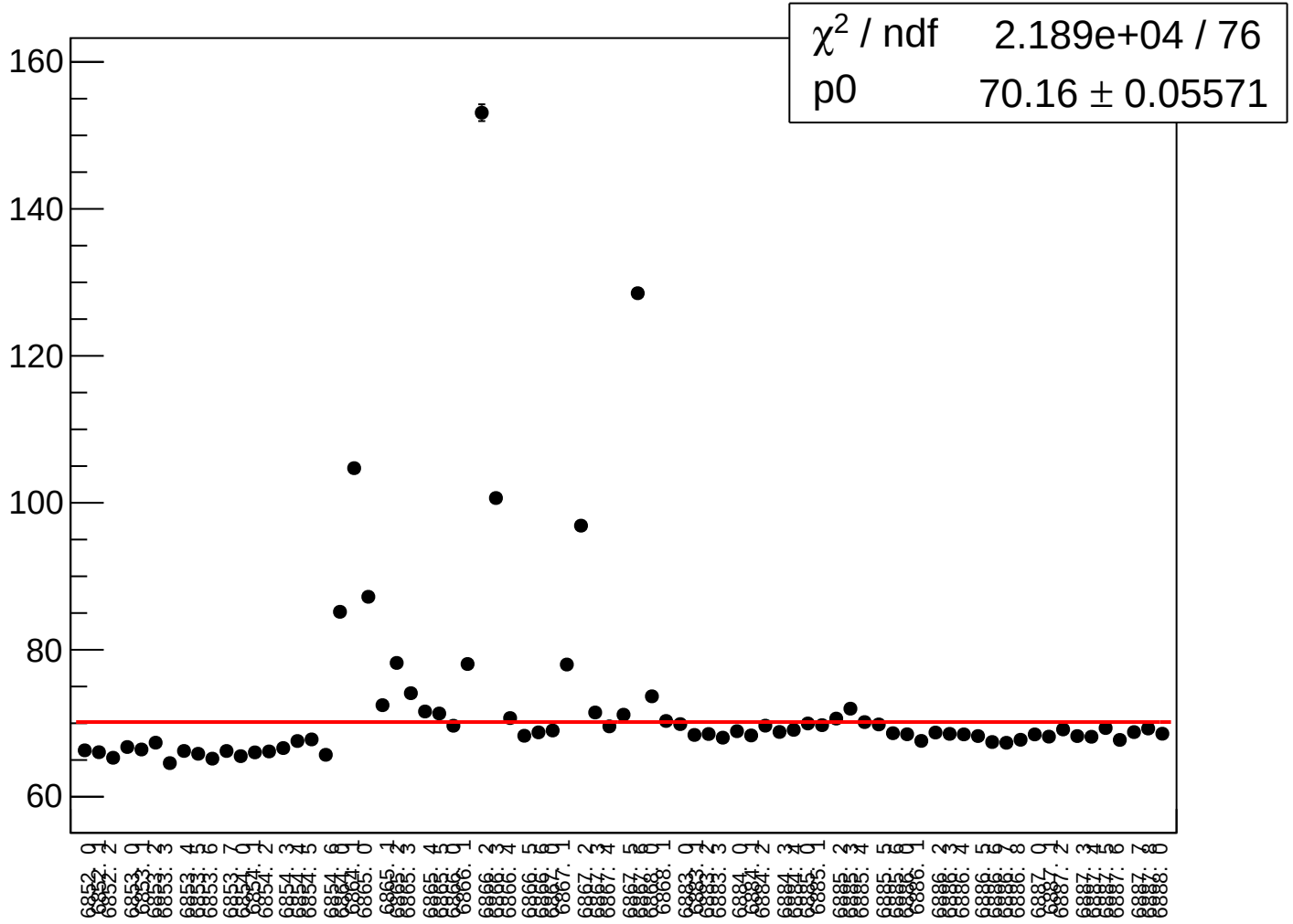

asym_sam7_mean vs run
χ² / ndf 69.3 / 76
p0 1032 ± 511.5
pull
Entries 77
Mean 134
Std Dev 89.26
pull1D
Entries 77
Mean −0.02538
Std Dev 0.9483

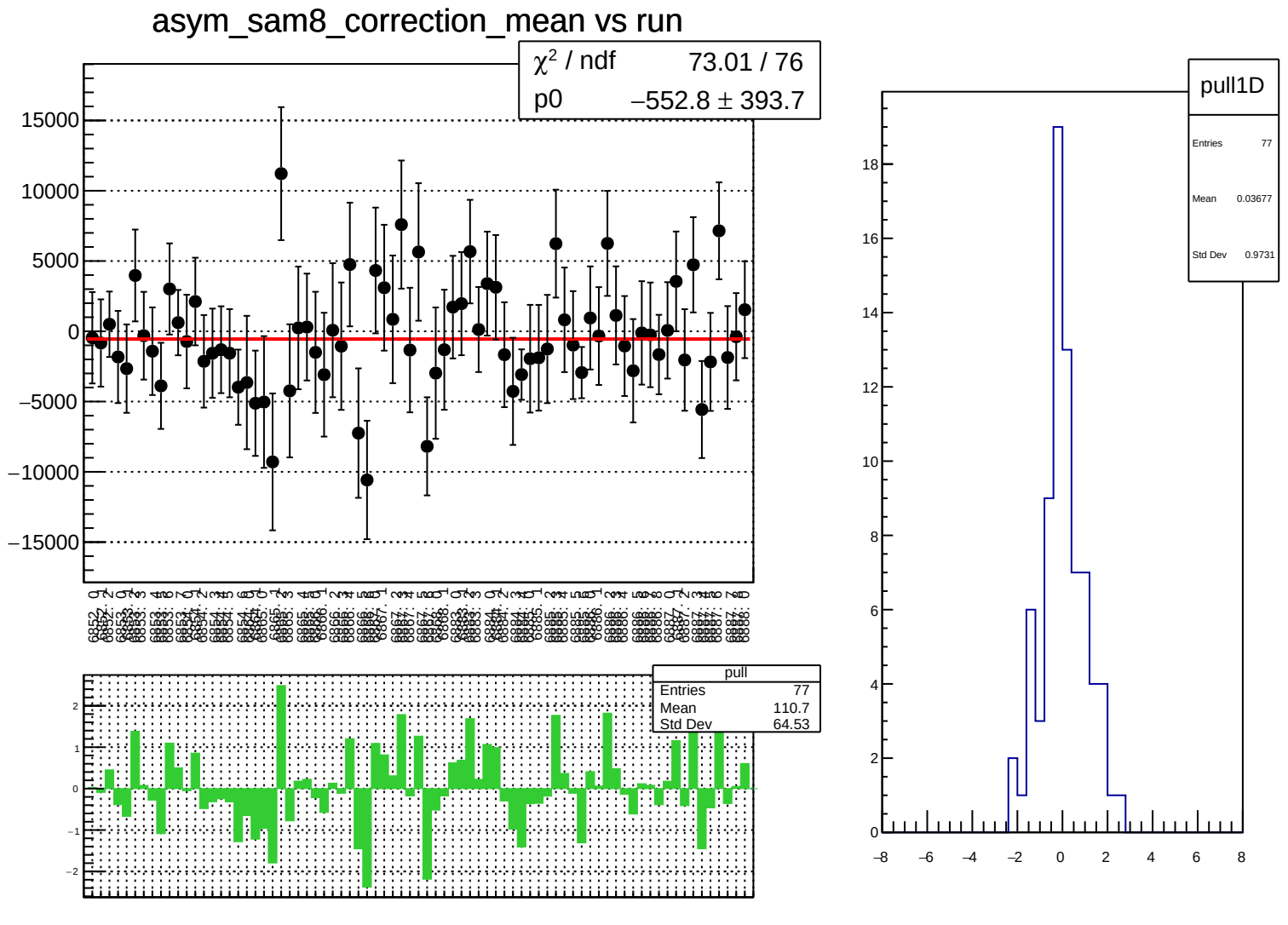
asym_sam7_rms vs run



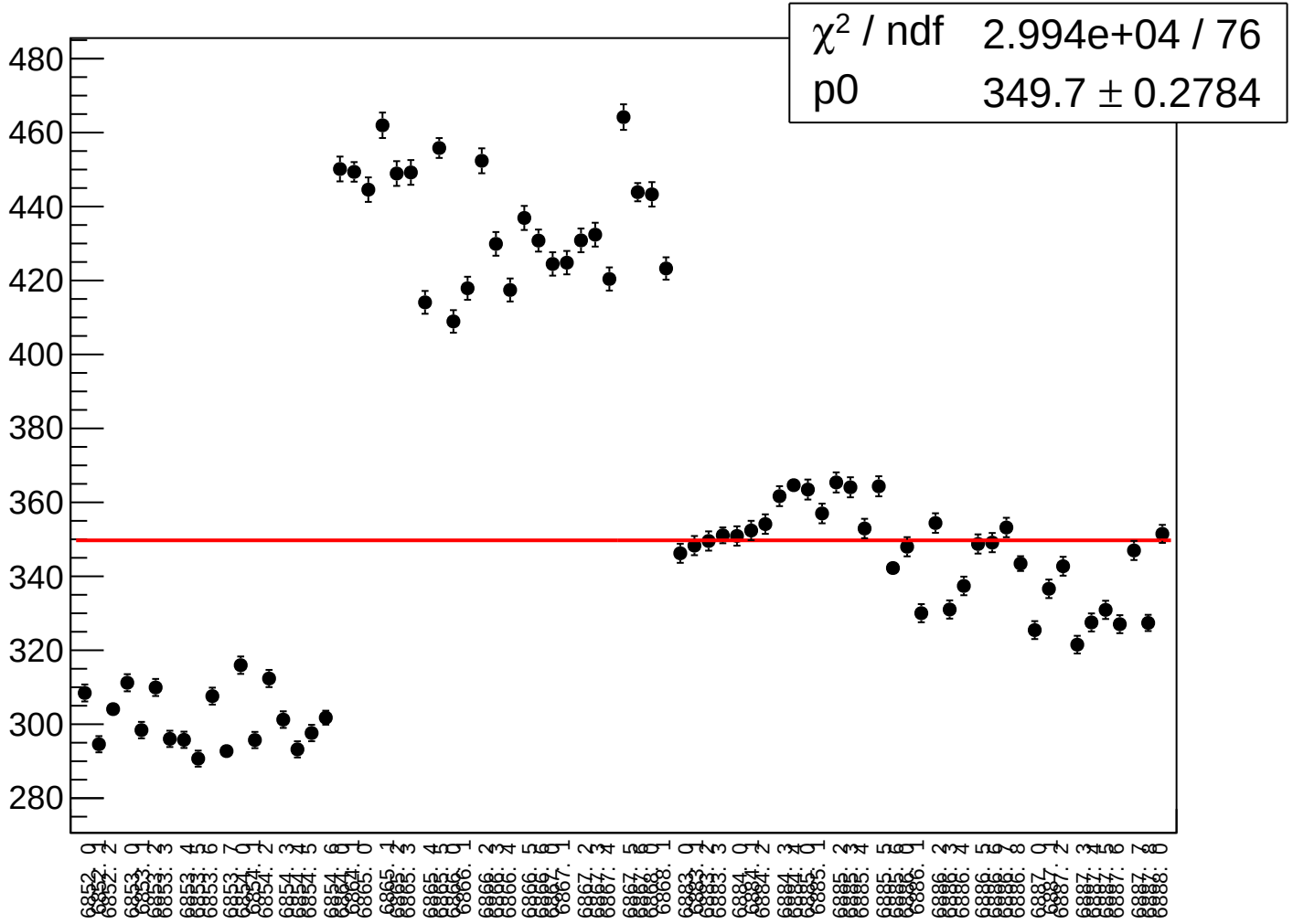

dit_asym_sam8_mean vs run
χ² / ndf 55.93 / 76
p0 −165.6 ± 78.78
pull
Entries 77
Mean 536.9
Std Dev 494
pull1D
Entries 77
Mean 0.005937
Std Dev 0.8522

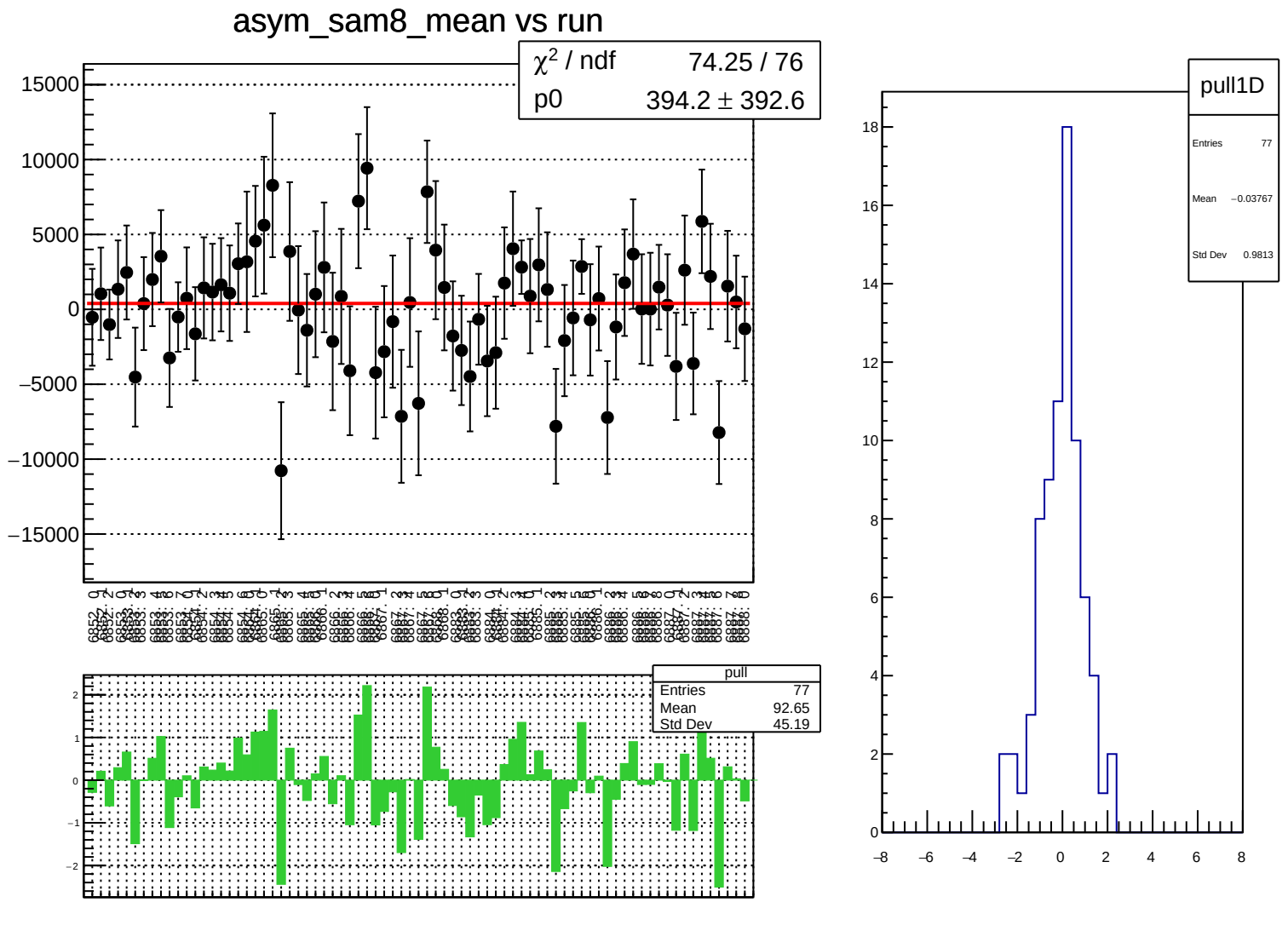
dit_asym_sam8_rms vs run

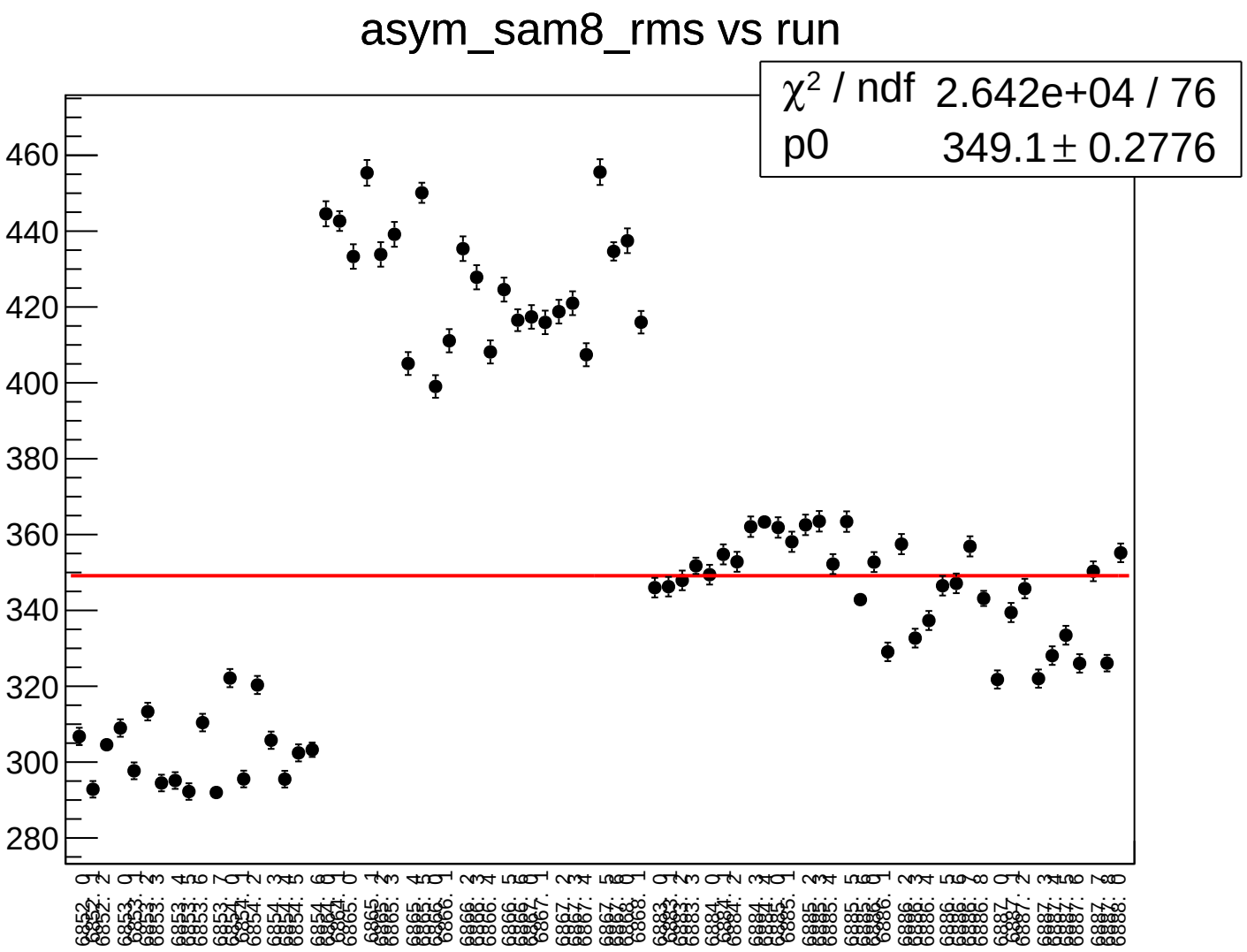


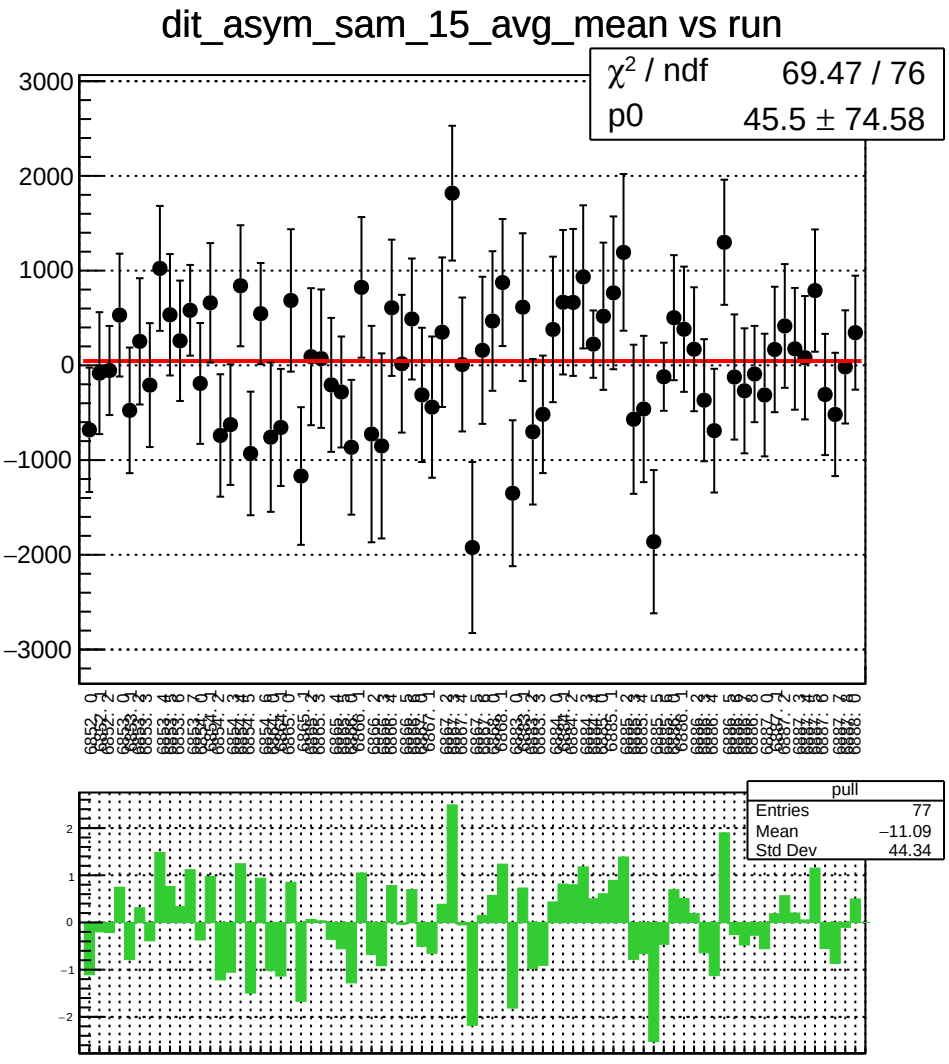

asym_sam8_correction_mean vs run
χ² / ndf 73.01 / 76
p0 −552.8 ± 393.7
pull
Entries 77
Mean 110.7
Std Dev 64.53
pull1D
Entries 77
Mean 0.03677
Std Dev 0.9731

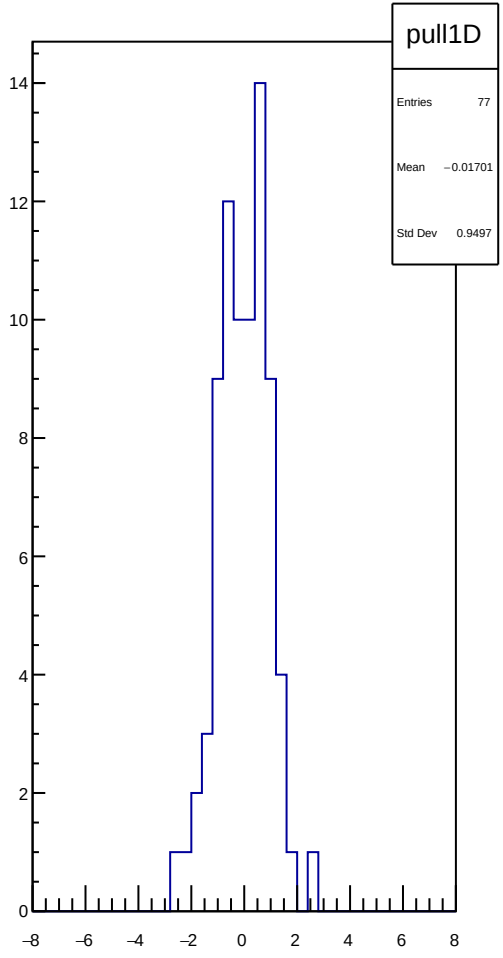
asym_sam8_correction_rms vs run

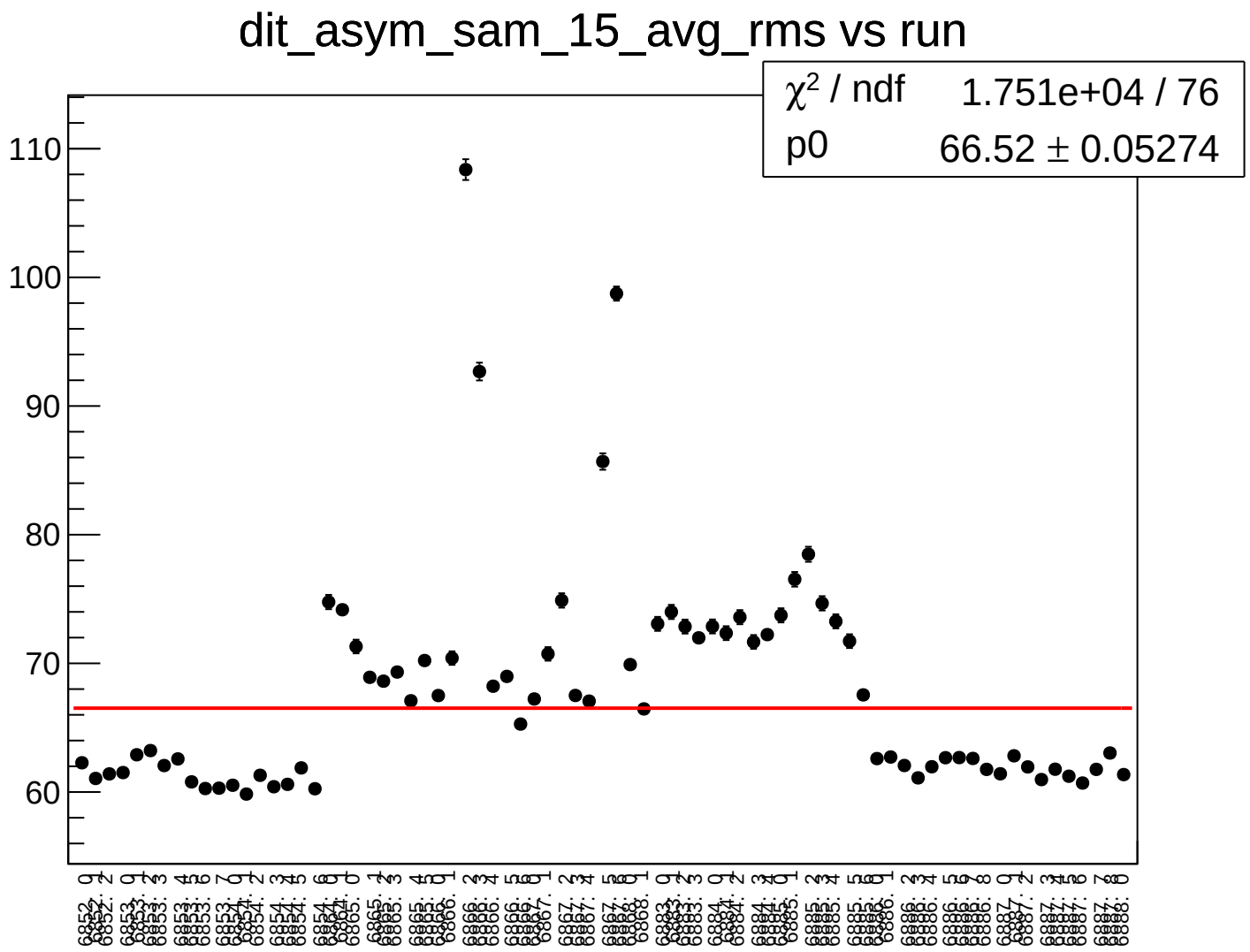


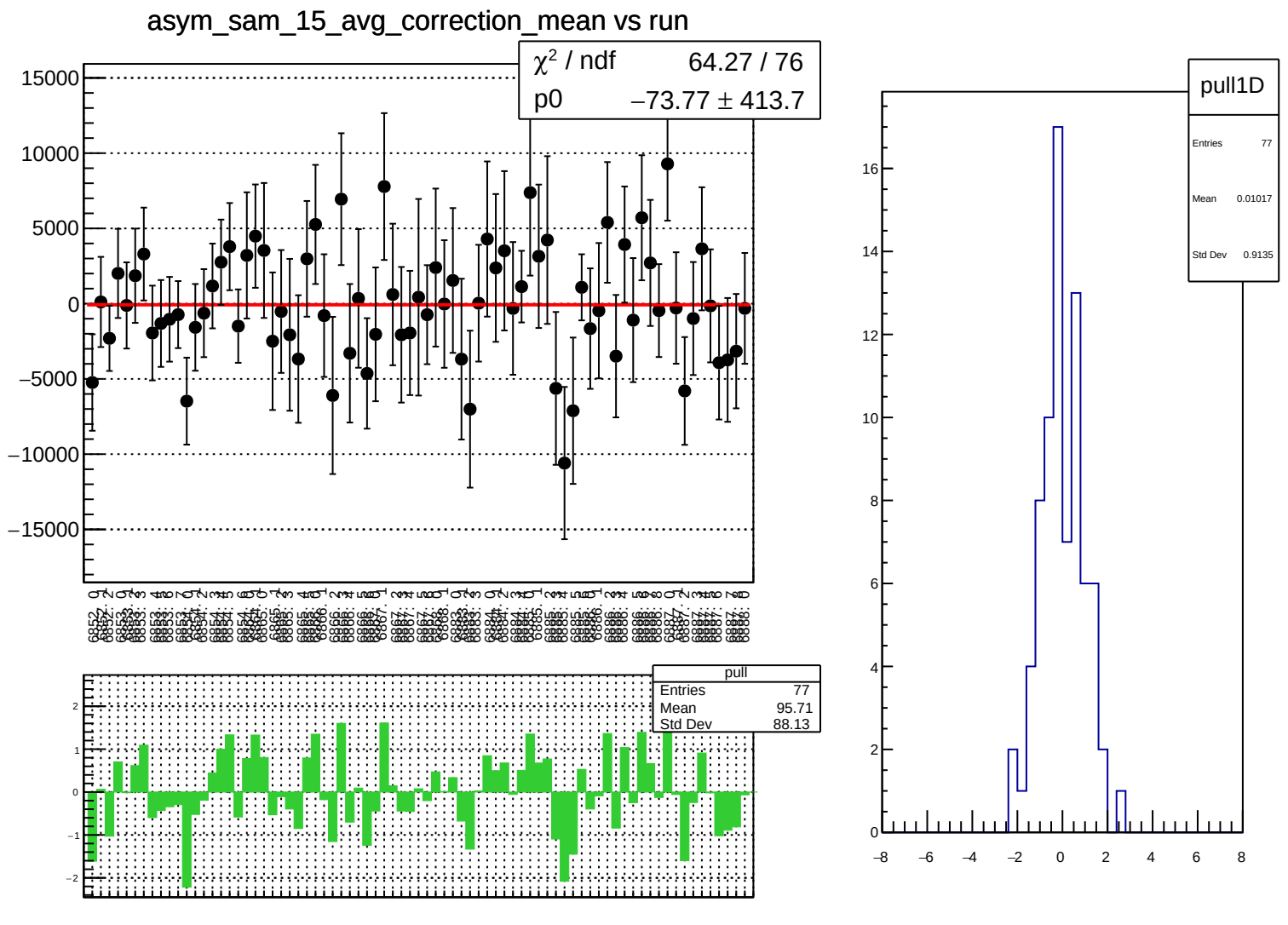

asym_sam8_mean vs run
χ² / ndf 74.25 / 76
p0 394.2 ± 392.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean 92.65
Std Dev 45.19
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.03767
Std Dev 0.9813
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

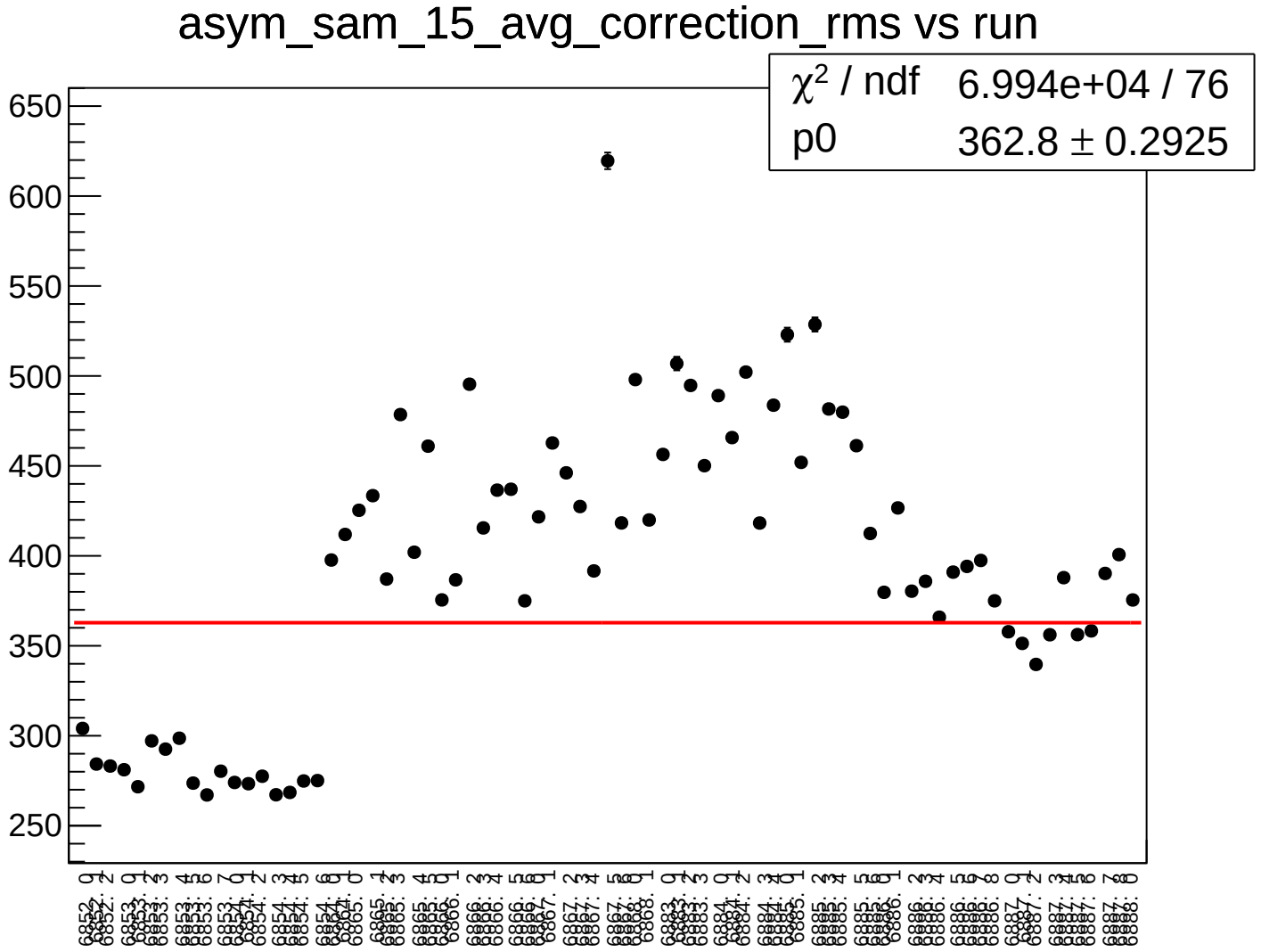

asym_sam8_rms vs run
χ² / ndf 2.642e+04 / 76
p0 349.1 ± 0.2776
460
440
420
400
380
360
340
320
300
280

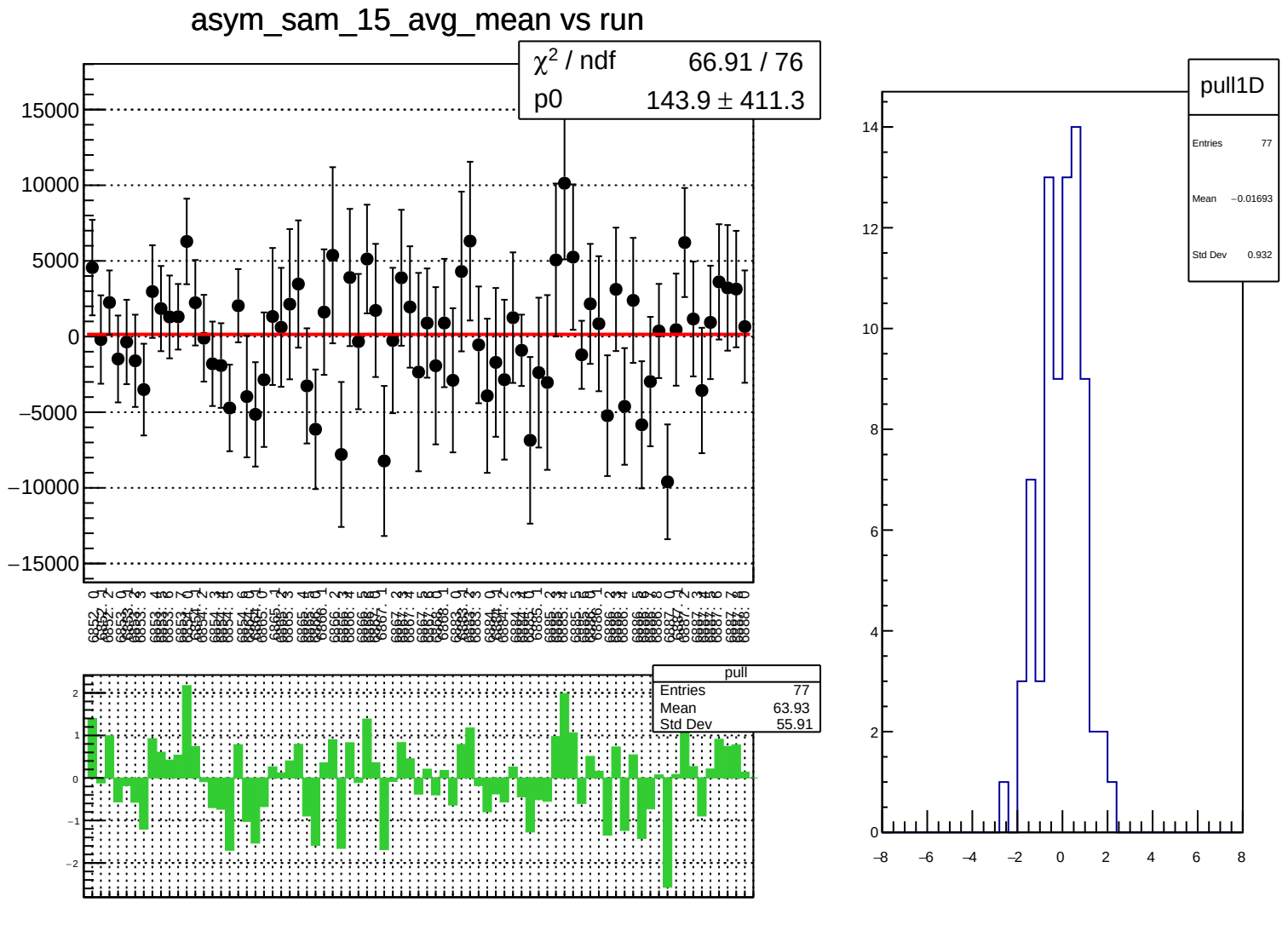

dit_asym_sam_15_avg_mean vs run
χ² / ndf 69.47 / 76
p0 45.5 ± 74.58
pull
Entries 77
Mean −11.09
Std Dev 44.34

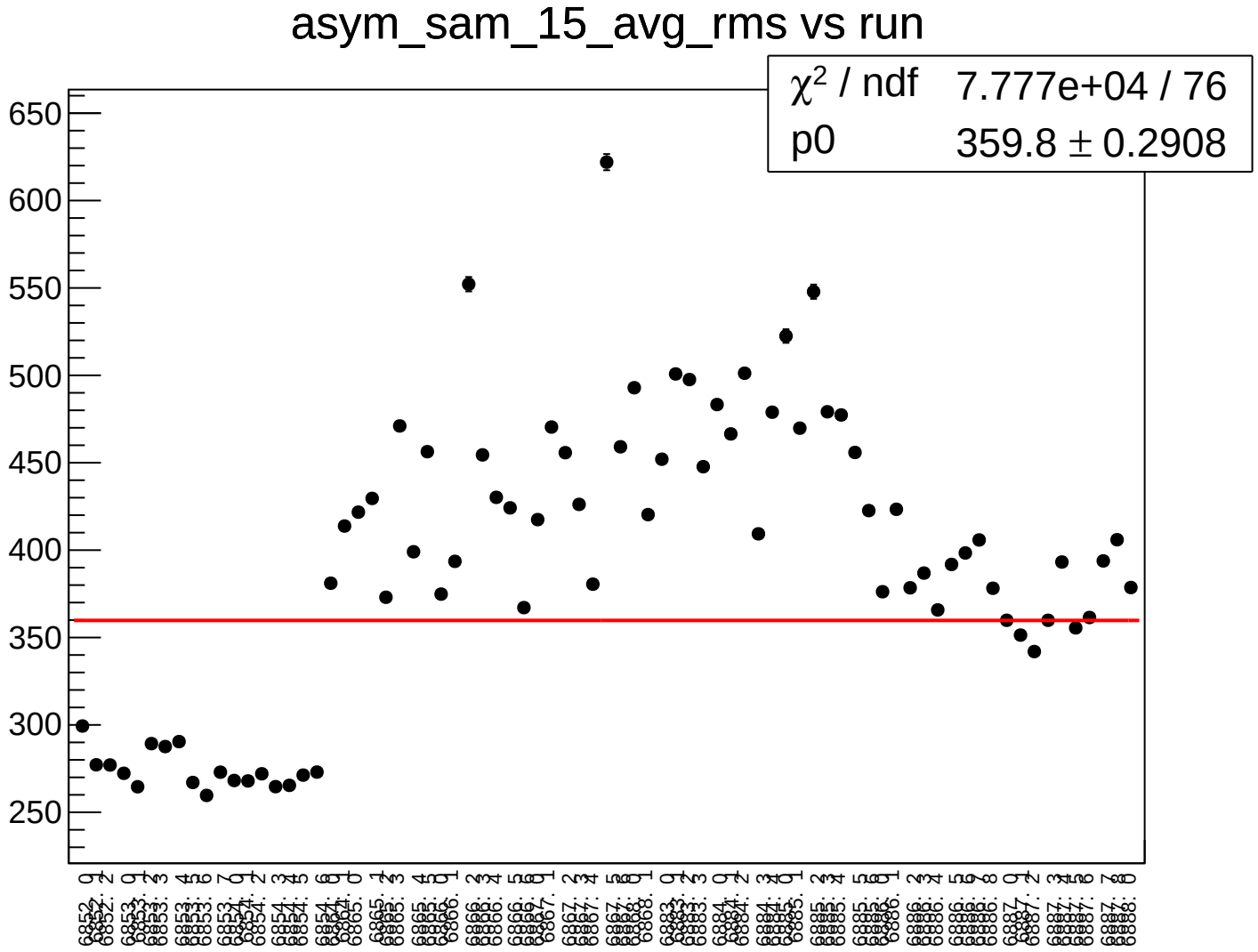

pull1D
Entries 77
Mean −0.01701
Std Dev 0.9497

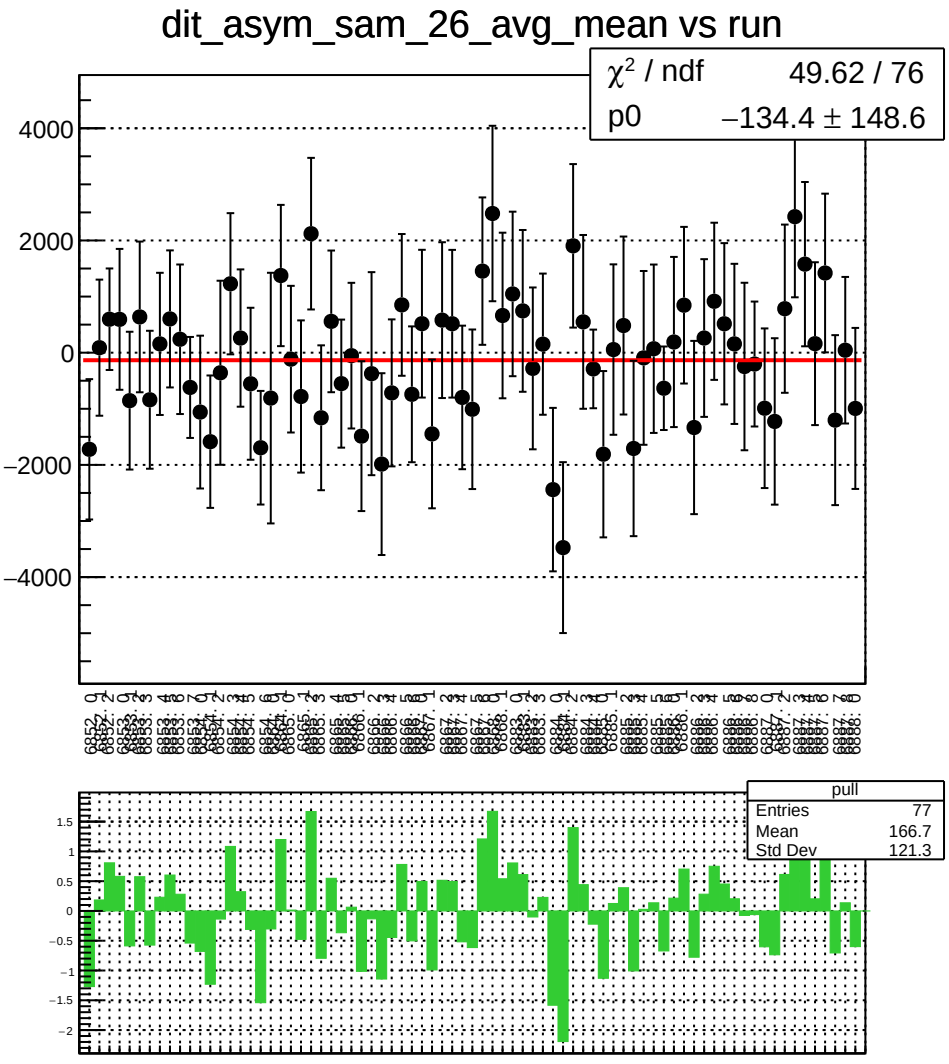

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.751e+04 / 76
p0 66.52 ± 0.05274
110
100
90
80
70
60

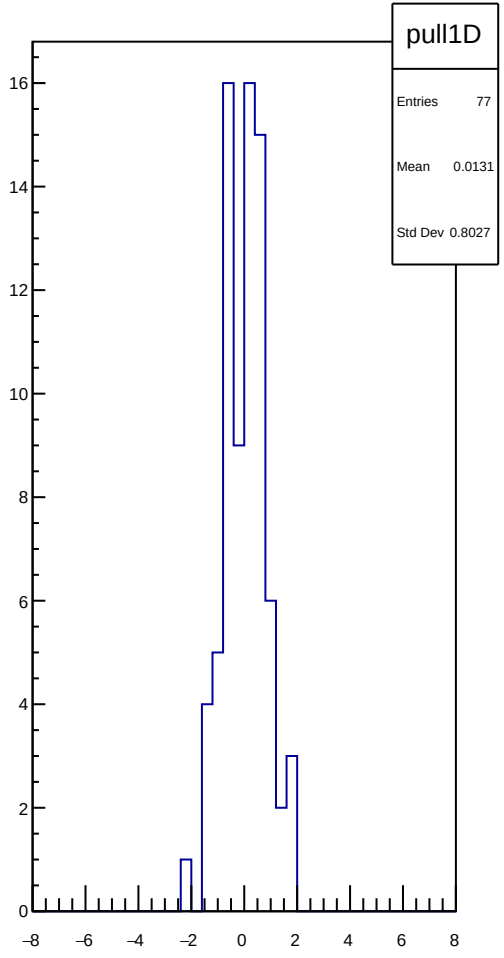

asym_sam_15_avg_correction_mean vs run
χ² / ndf 64.27 / 76
p0 −73.77 ± 413.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean 95.71
Std Dev 88.13
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.01017
Std Dev 0.9135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_correction_rms vs run
χ² / ndf 6.994e+04 / 76
p0 362.8 ± 0.2925
650
600
550
500
450
400
350
300
250

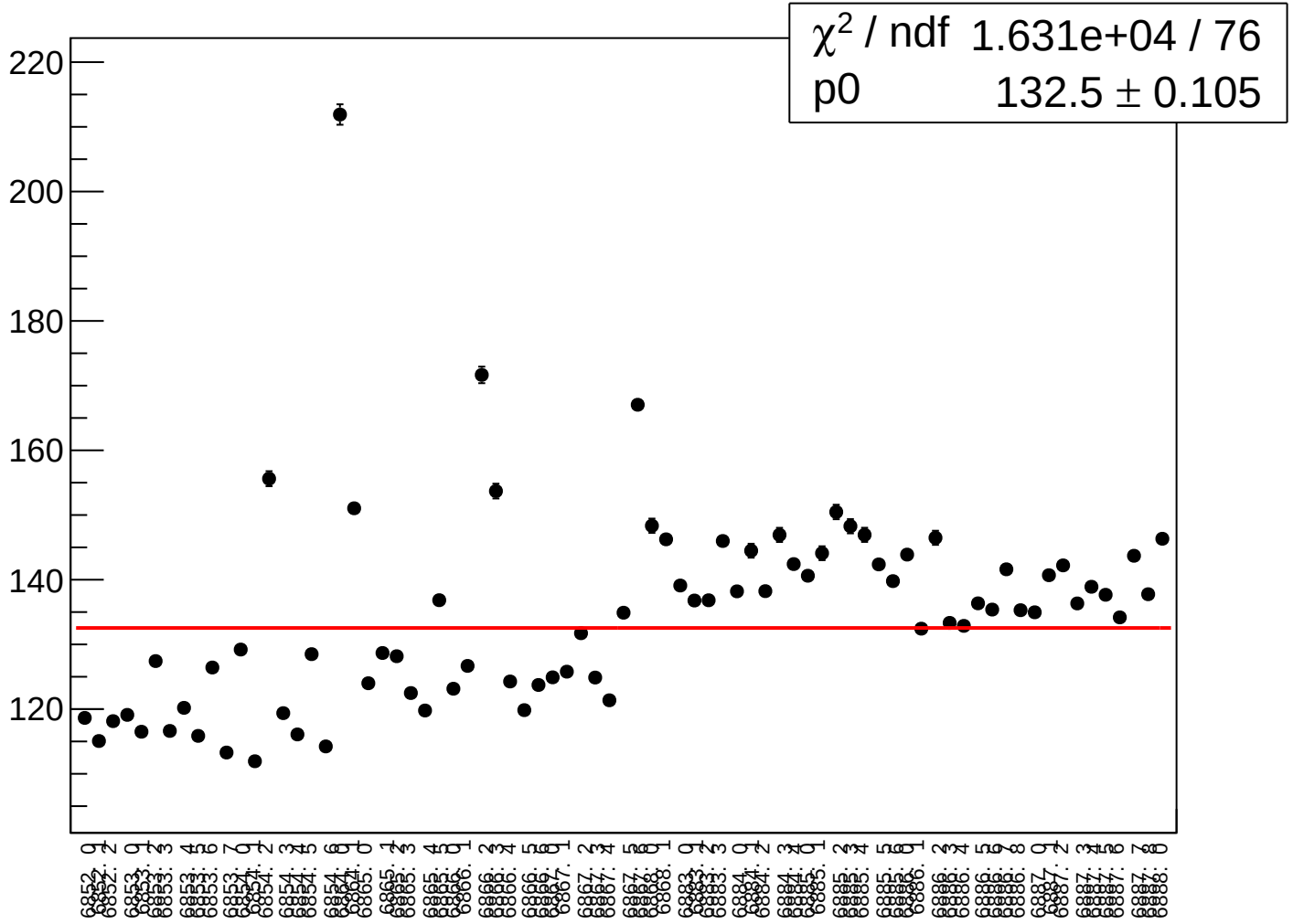

asym_sam_15_avg_mean vs run
χ² / ndf 66.91 / 76
p0 143.9 ± 411.3
pull
Entries 77
Mean 63.93
Std Dev 55.91
pull1D
Entries 77
Mean −0.01693
Std Dev 0.932

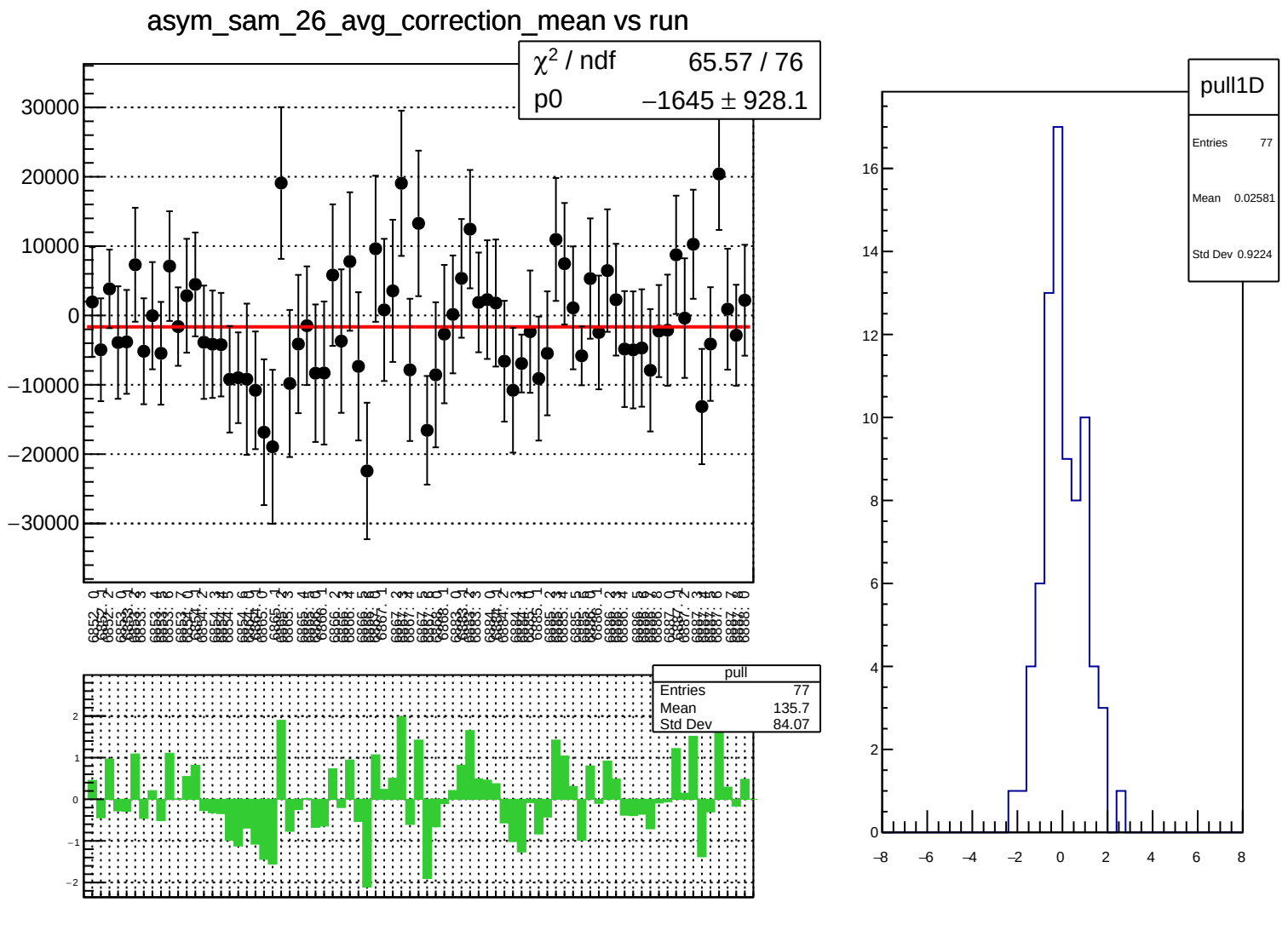

asym_sam_15_avg_rms vs run
χ^2 / ndf 7.777e+04 / 76
p0 359.8 ± 0.2908
650
600
550
500
450
400
350
300
250


dit_asym_sam_26_avg_mean vs run
χ² / ndf 49.62 / 76
p0 −134.4 ± 148.6
4000
2000
0
−2000
−4000
pull
Entries 77
Mean 166.7
Std Dev 121.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

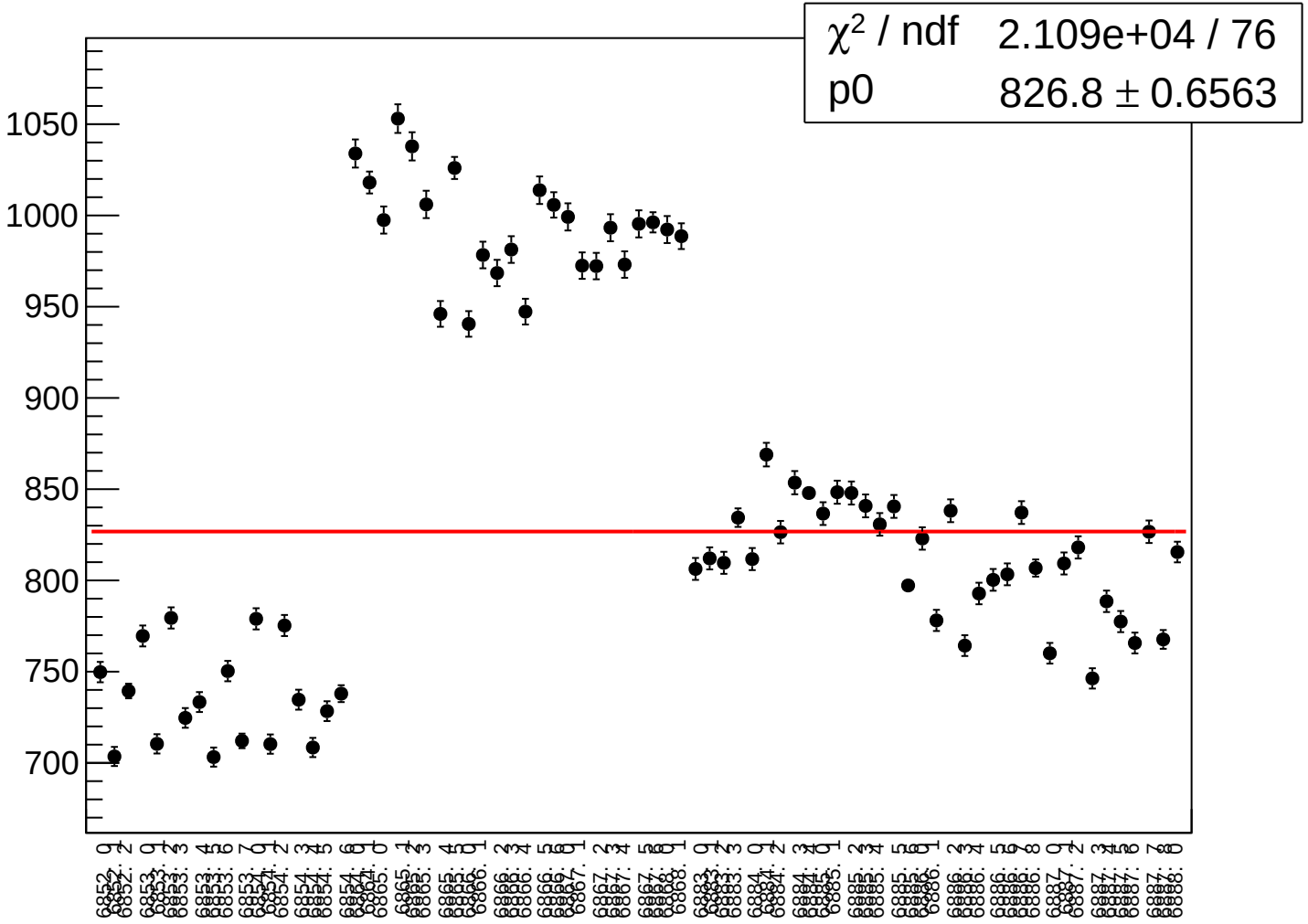

pull1D
Entries 77
Mean 0.0131
Std Dev 0.8027
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

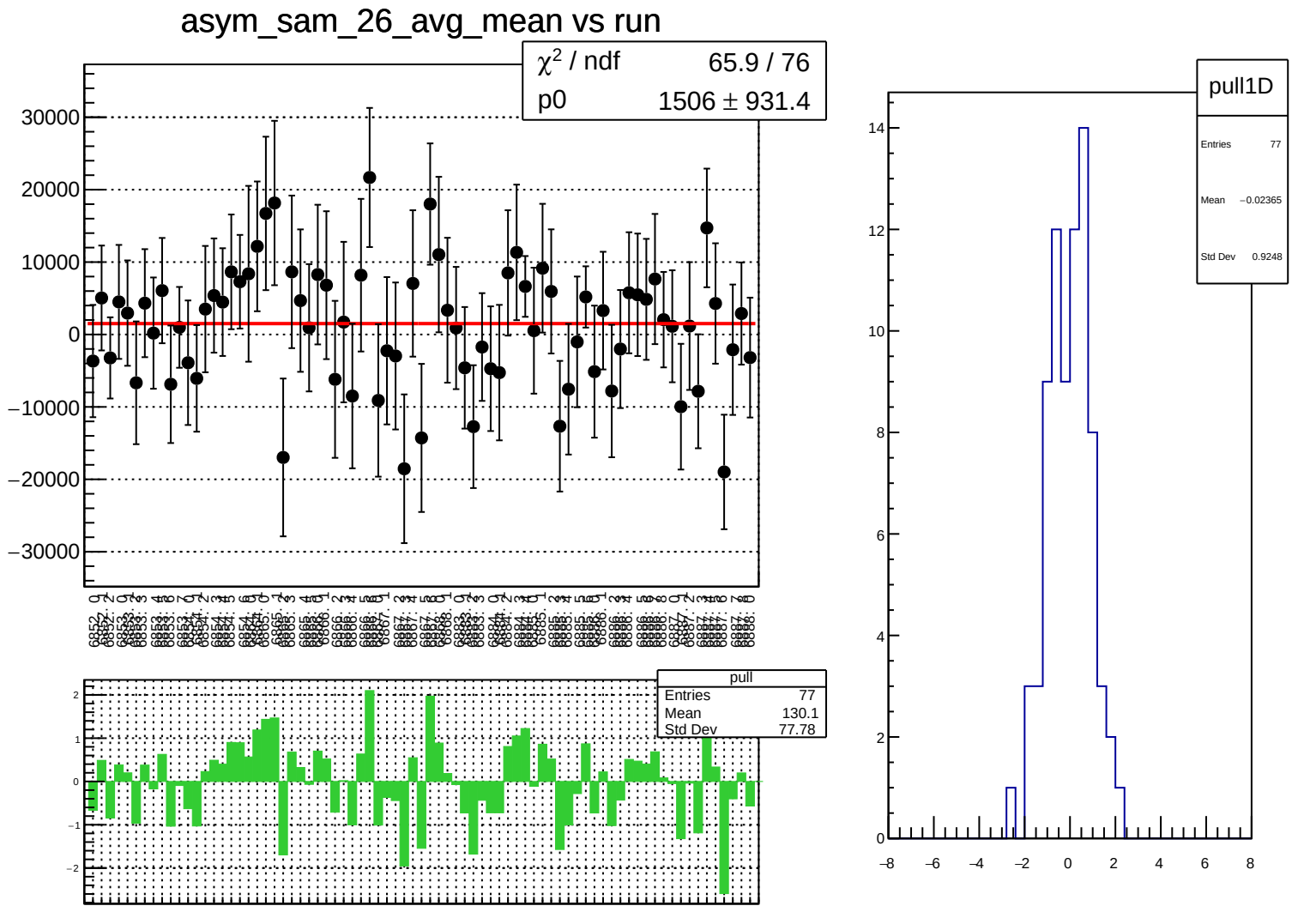
dit_asym_sam_26_avg_rms vs run

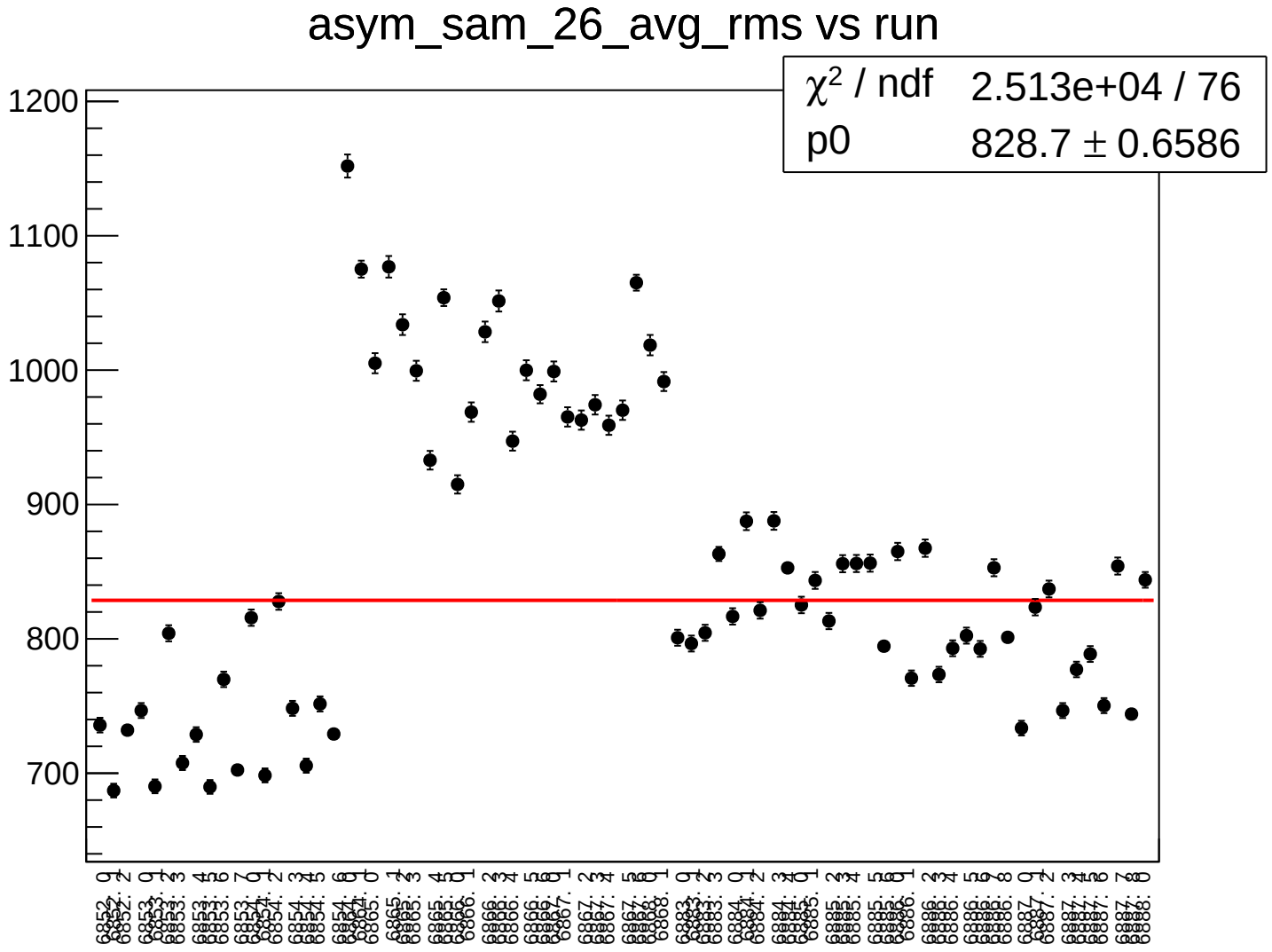


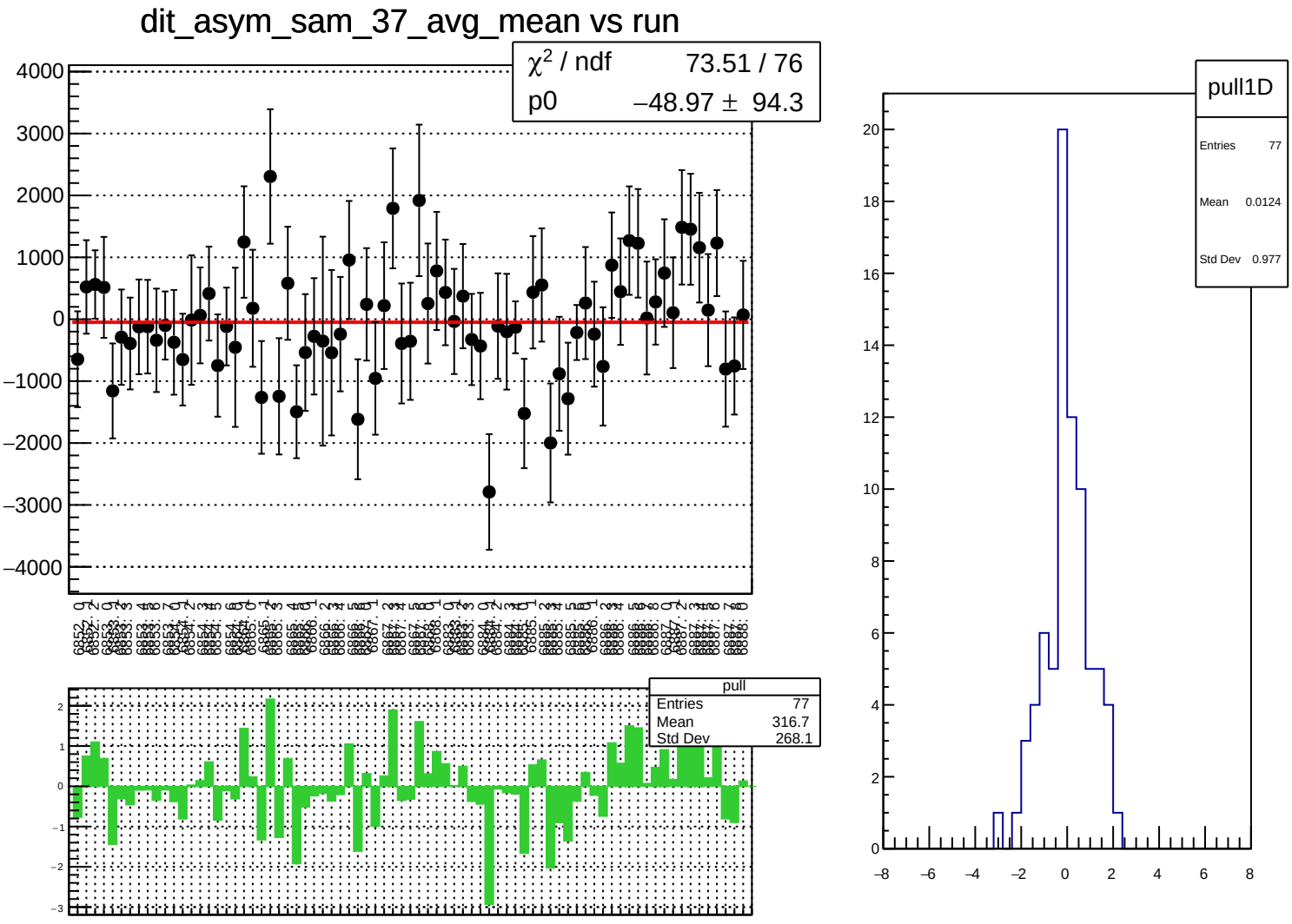

asym_sam_26_avg_correction_mean vs run
χ² / ndf 65.57 / 76
p0 −1645 ± 928.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 77
Mean 135.7
Std Dev 84.07
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02581
Std Dev 0.9224
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

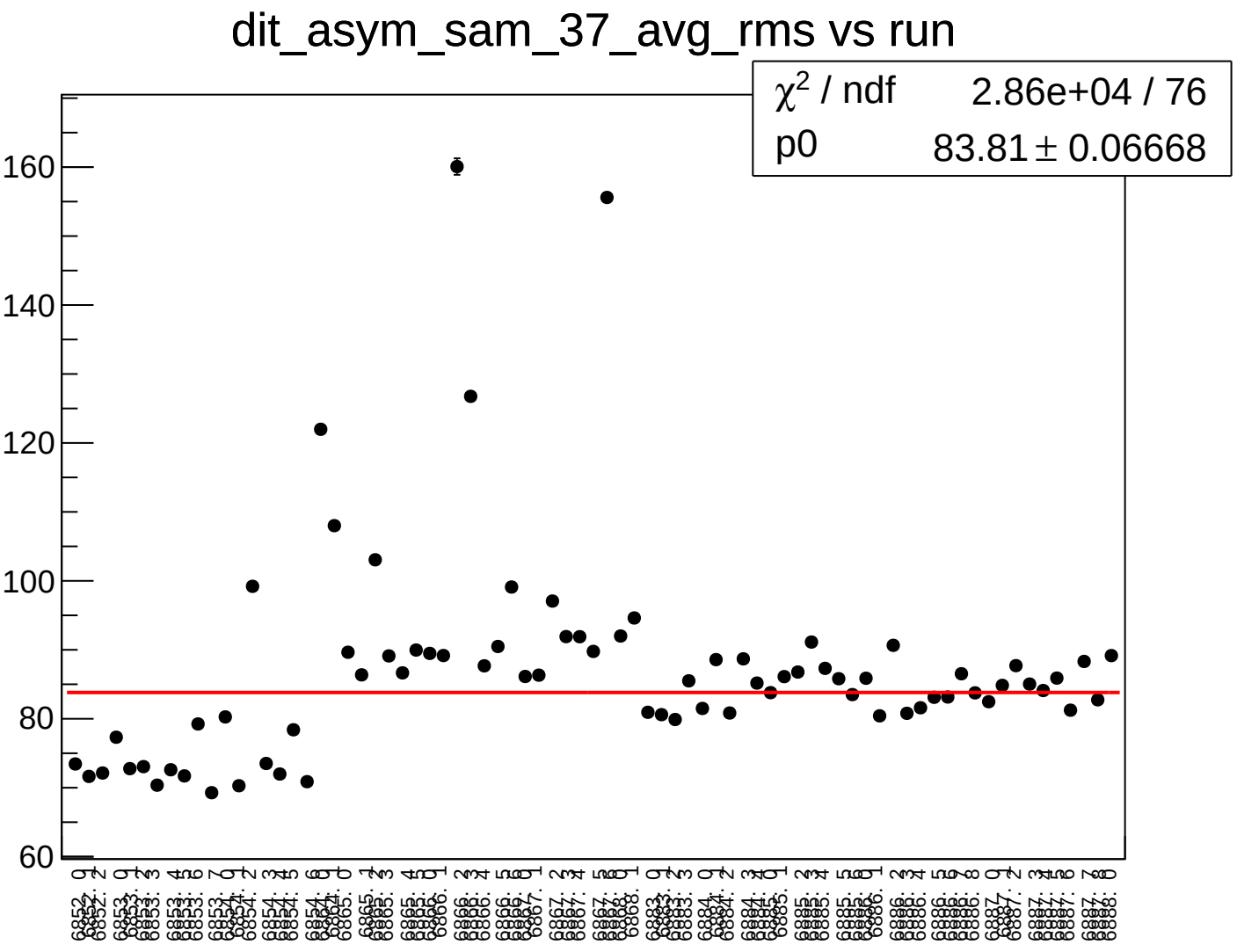
asym_sam_26_avg_correction_rms vs run

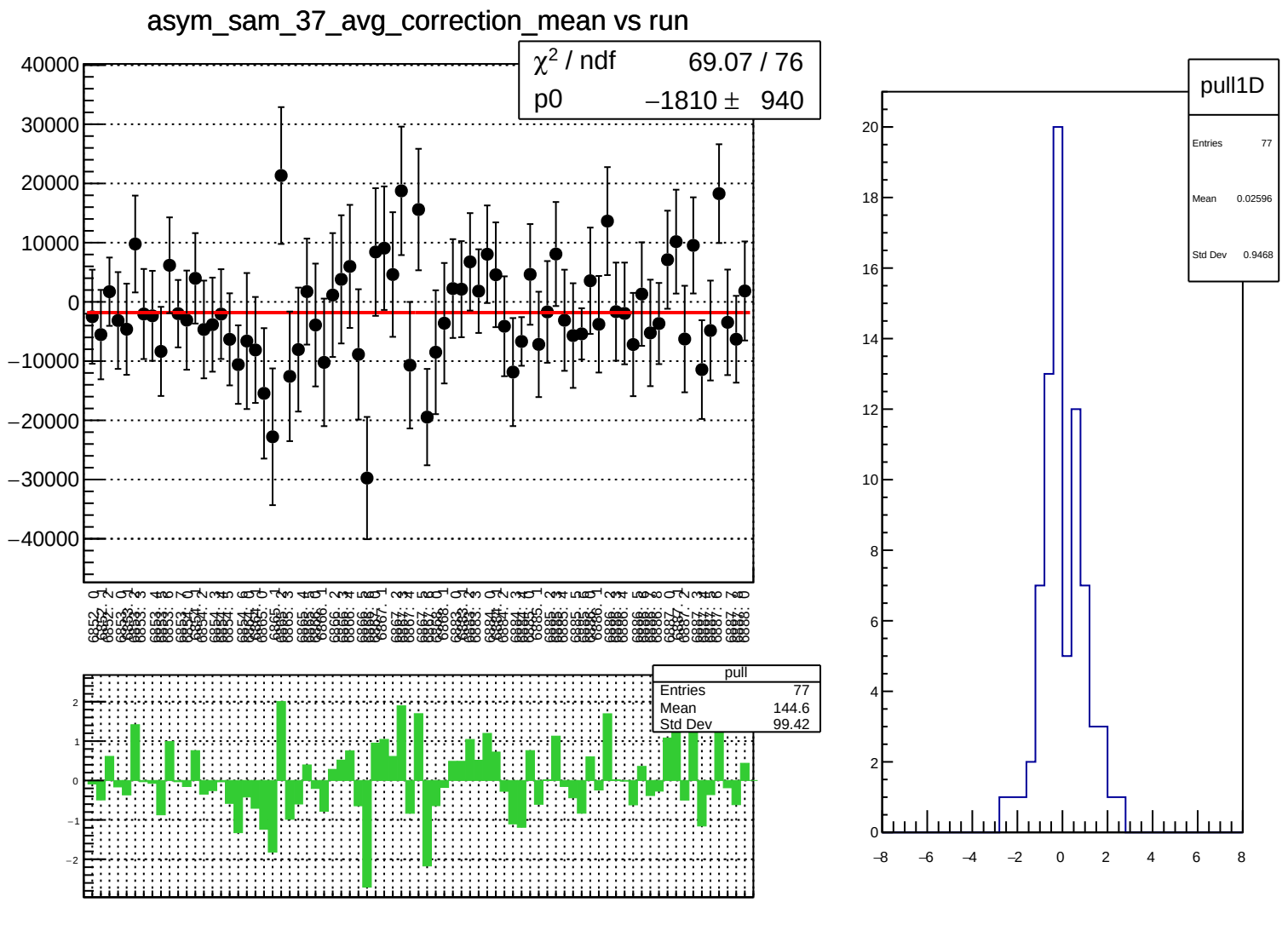


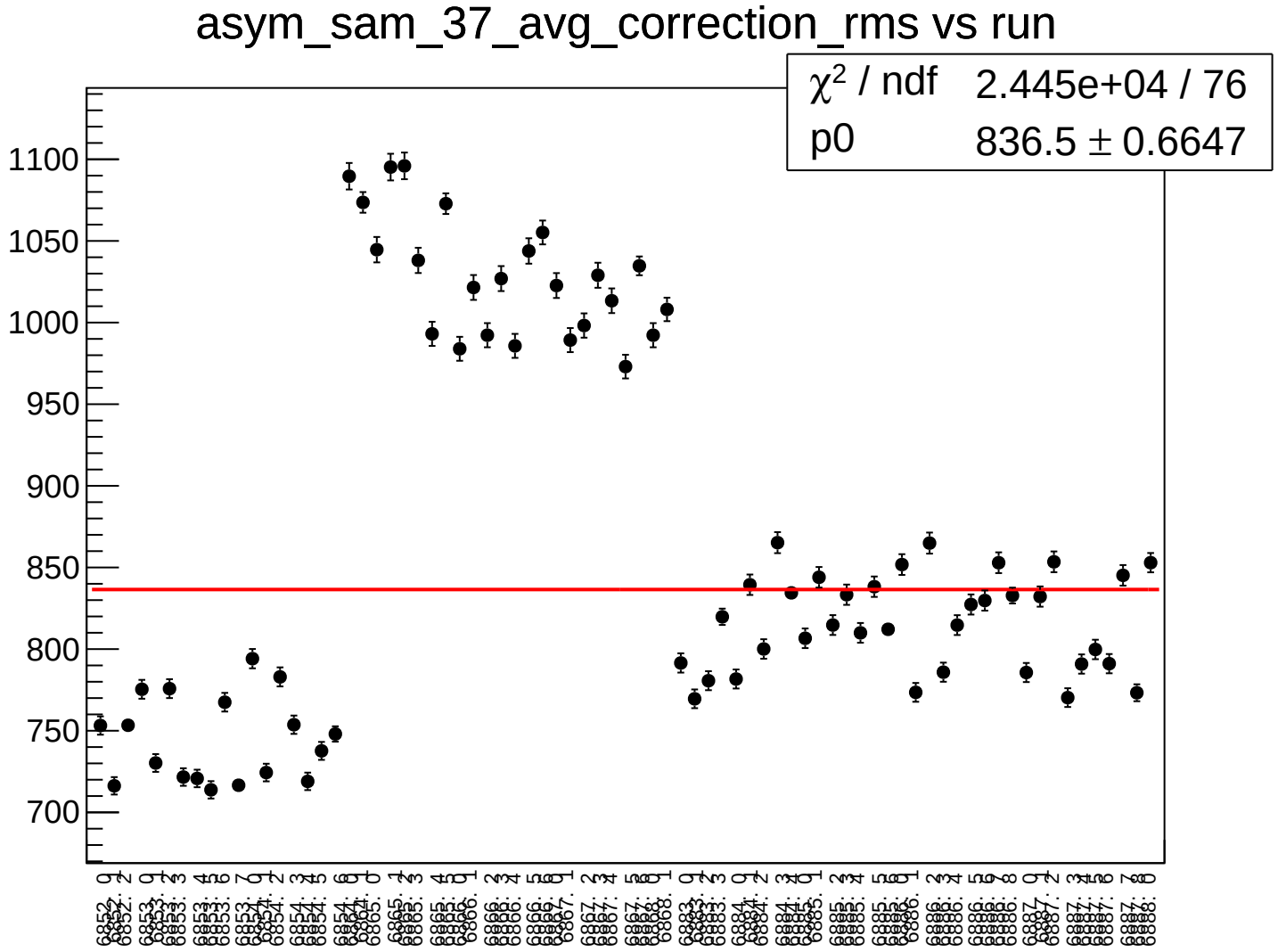

asym_sam_26_avg_mean vs run
χ² / ndf 65.9 / 76
p0 1506 ± 931.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 77
Mean 130.1
Std Dev 77.78
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.02365
Std Dev 0.9248
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

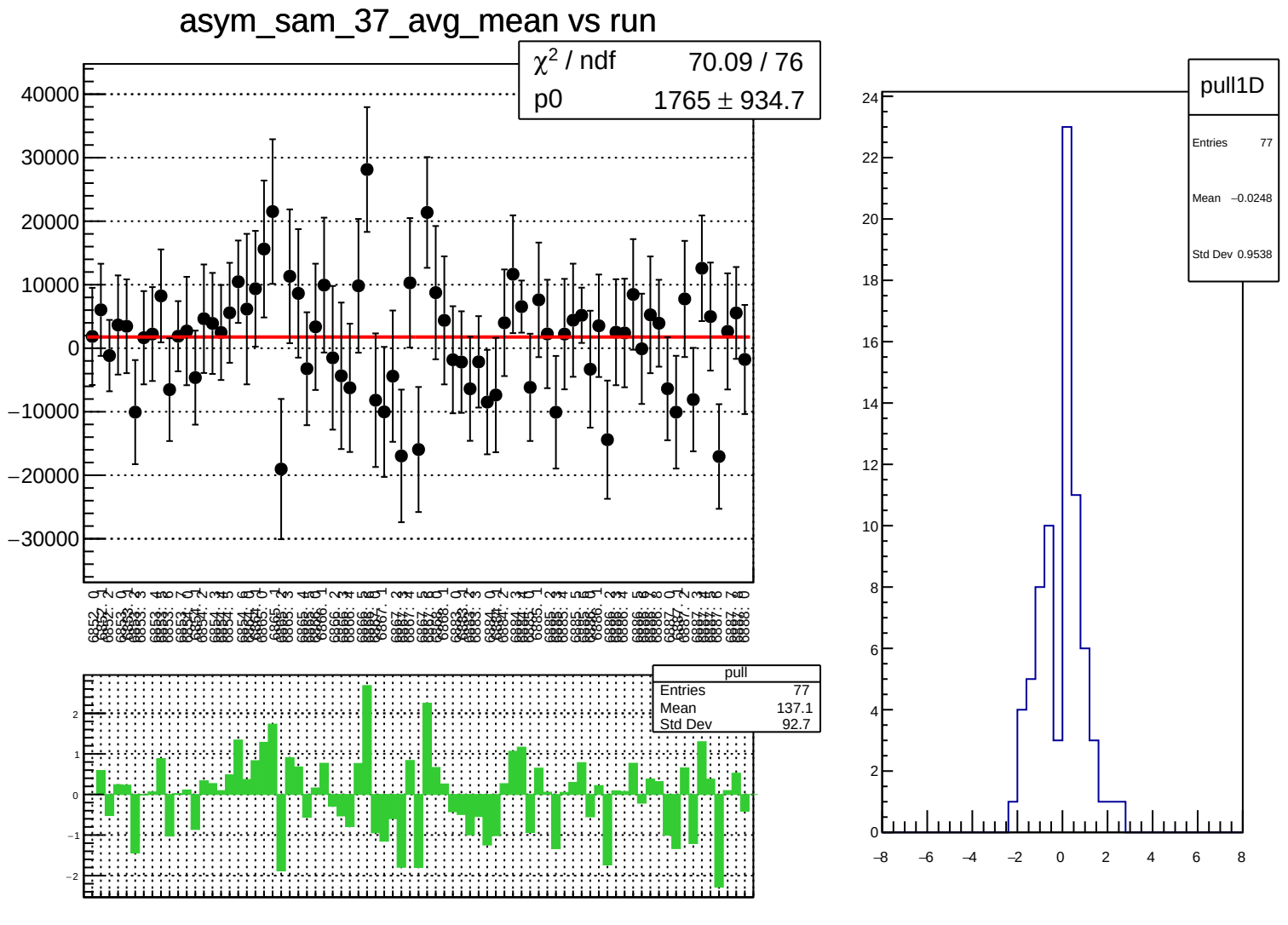

asym_sam_26_avg_rms vs run
χ^2 / ndf 2.513e+04 / 76
p0 828.7 ± 0.6586
1200
1100
1000
900
800
700

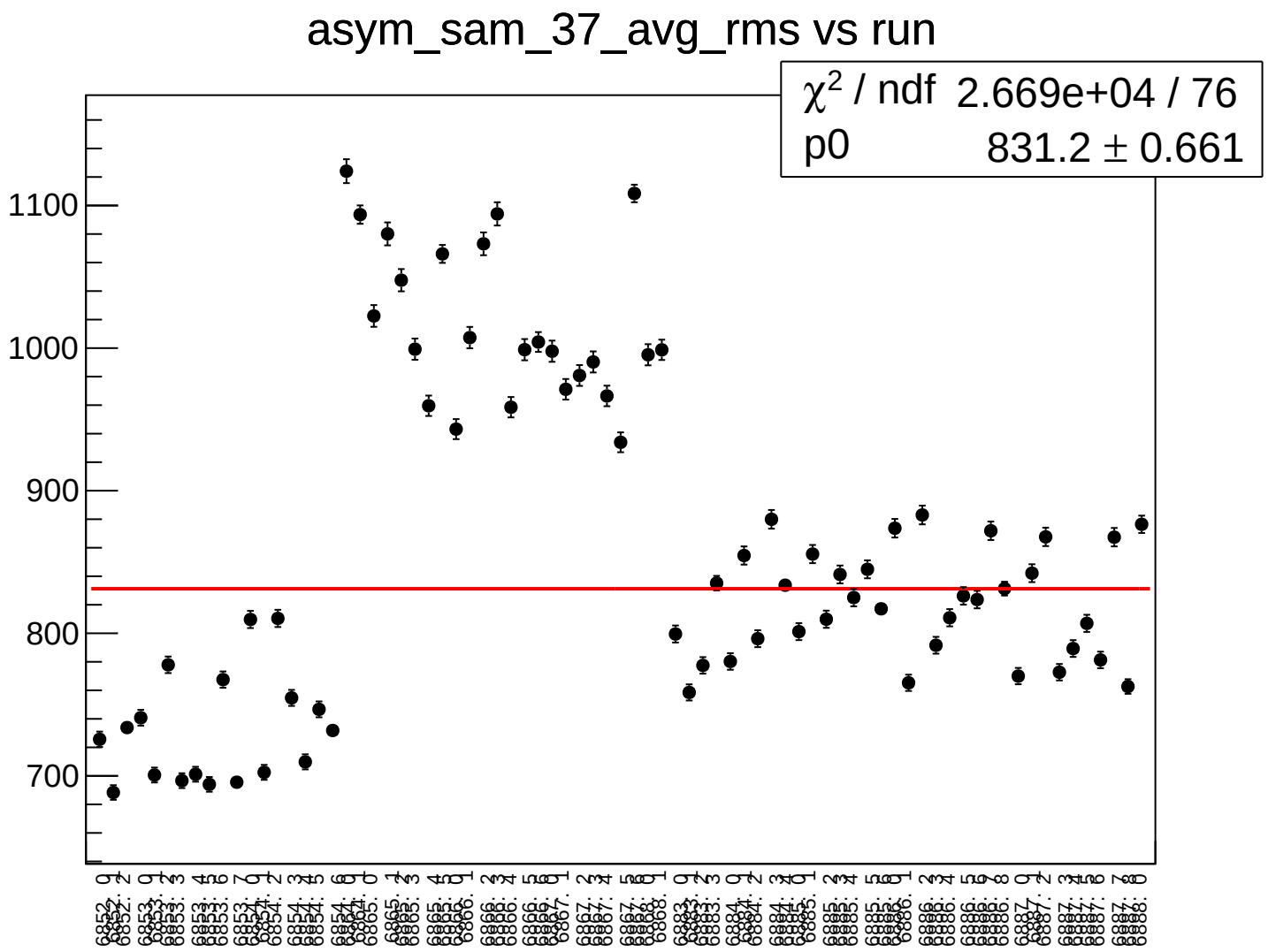

dit_asym_sam_37_avg_mean vs run
χ² / ndf 73.51 / 76
p0 −48.97 ± 94.3
pull
Entries 77
Mean 316.7
Std Dev 268.1
pull1D
Entries 77
Mean 0.0124
Std Dev 0.977

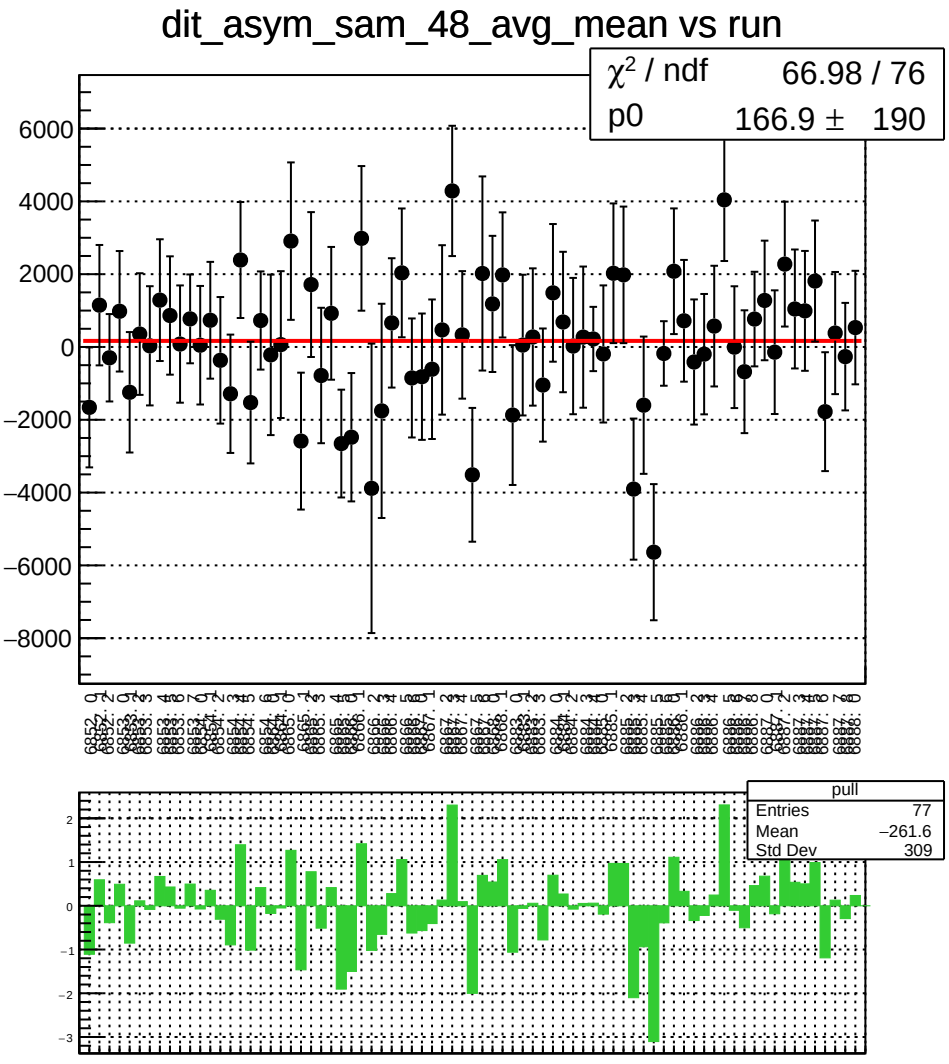

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.86e+04 / 76
p0 83.81 ± 0.06668
160
140
120
100
80
60

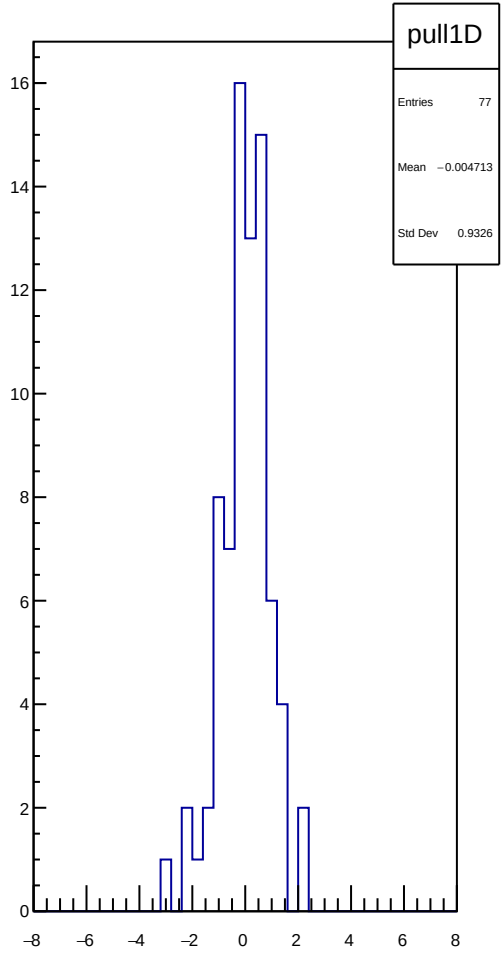

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 69.07 / 76
p0 −1810 ± 940
pull
Entries 77
Mean 144.6
Std Dev 99.42
pull1D
Entries 77
Mean 0.02596
Std Dev 0.9468


asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 2.445e+04 / 76
p0 836.5 ± 0.6647
1100
1050
1000
950
900
850
800
750
700

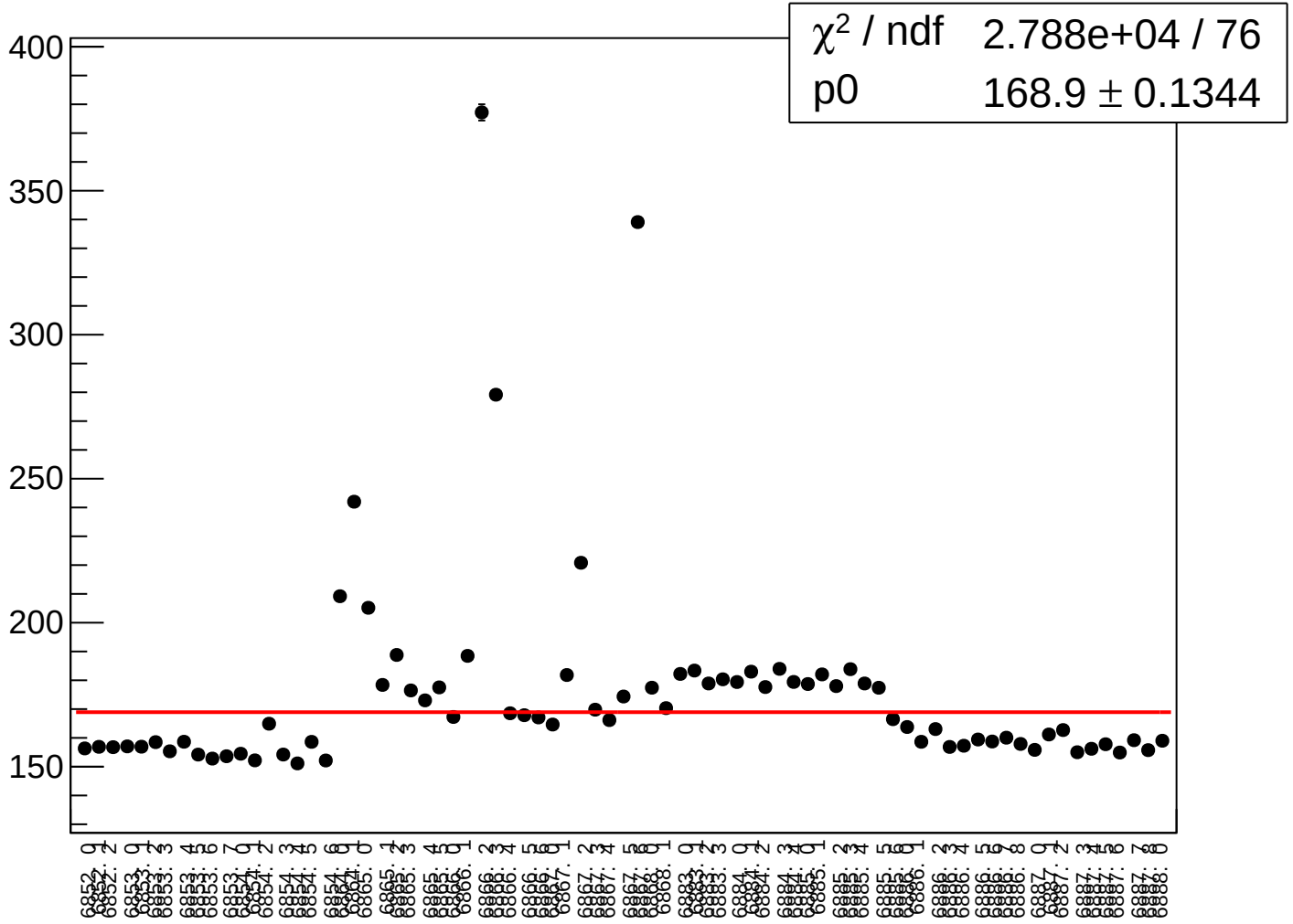

asym_sam_37_avg_mean vs run
χ^2 / ndf 70.09 / 76
p0 1765 ± 934.7
pull
Entries 77
Mean 137.1
Std Dev 92.7
pull1D
Entries 77
Mean −0.0248
Std Dev 0.9538

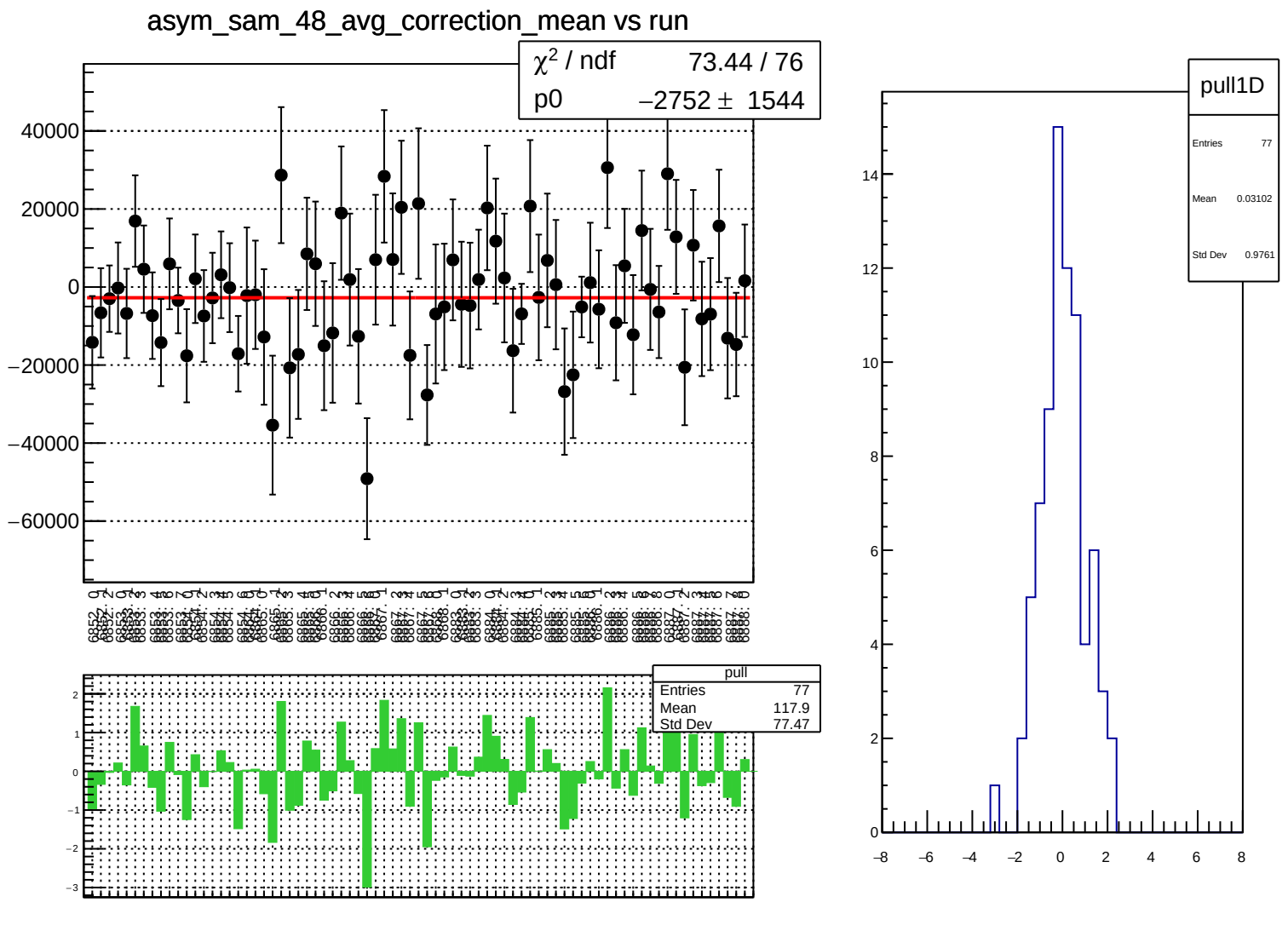

asym_sam_37_avg_rms vs run
χ^2 / ndf 2.669e+04 / 76
p0 831.2 ± 0.661
1100
1000
900
800
700

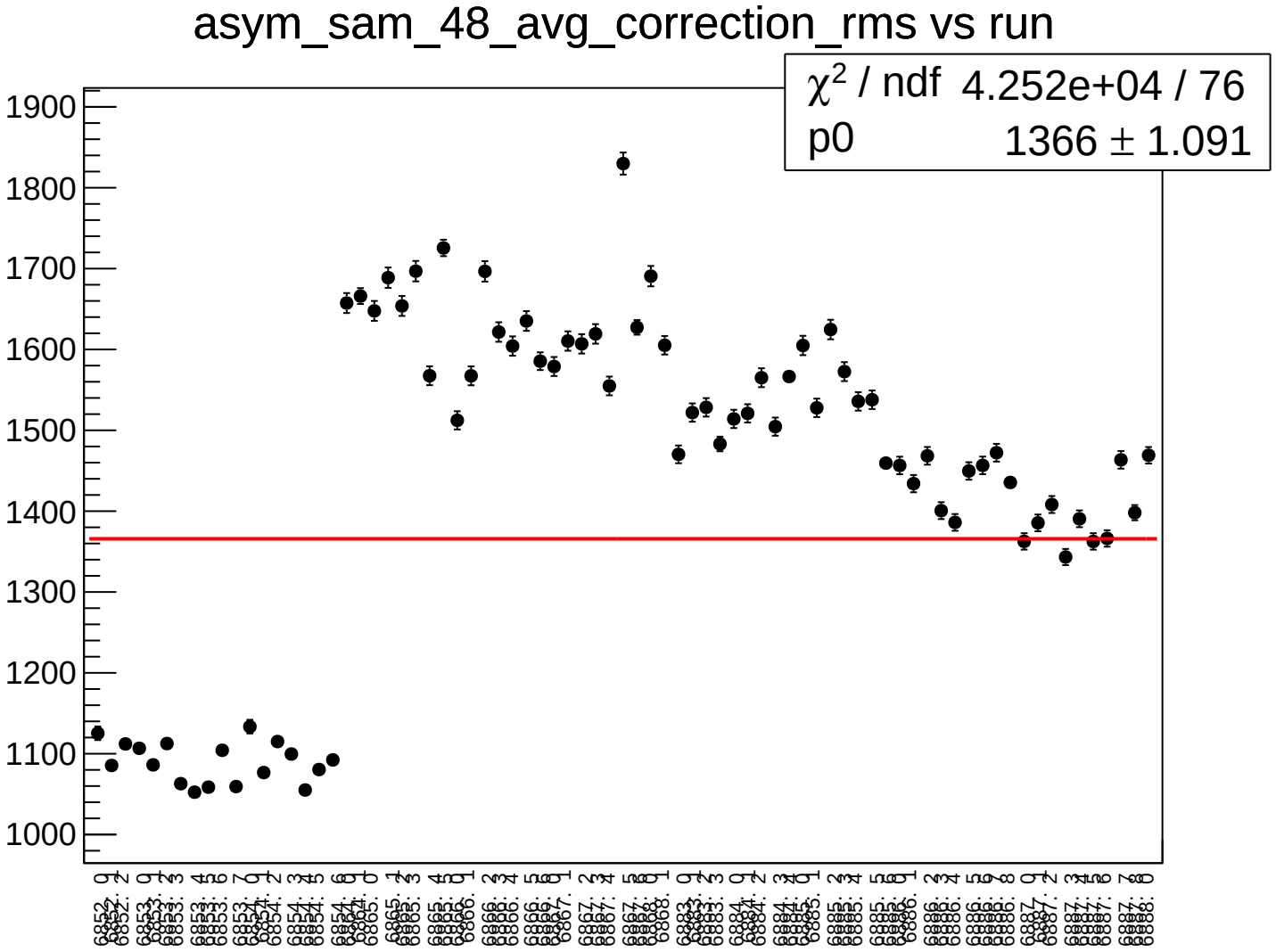

dit_asym_sam_48_avg_mean vs run
χ² / ndf 66.98 / 76
p0 166.9 ± 190
pull
Entries 77
Mean −261.6
Std Dev 309

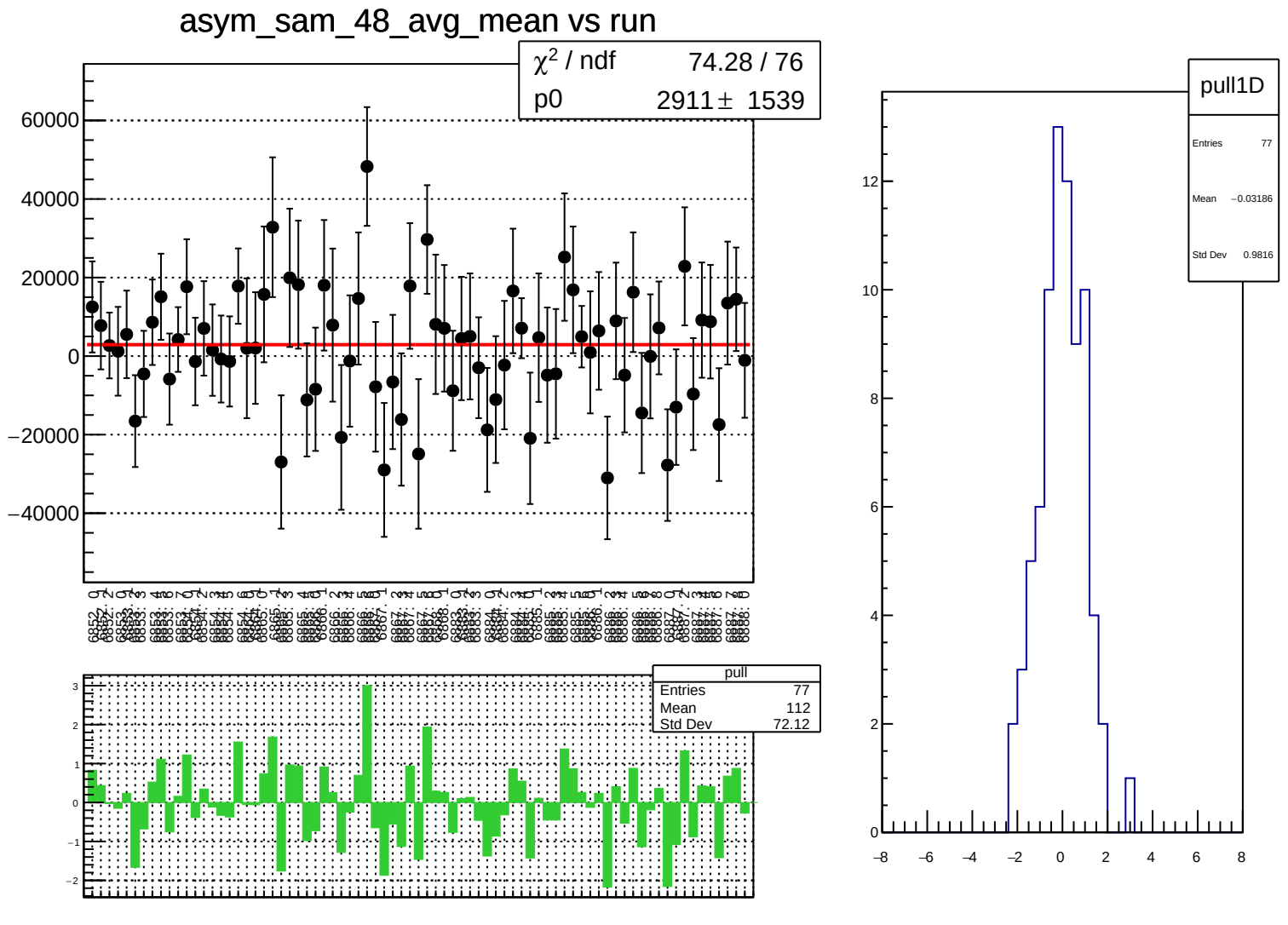

pull1D
Entries 77
Mean −0.004713
Std Dev 0.9326

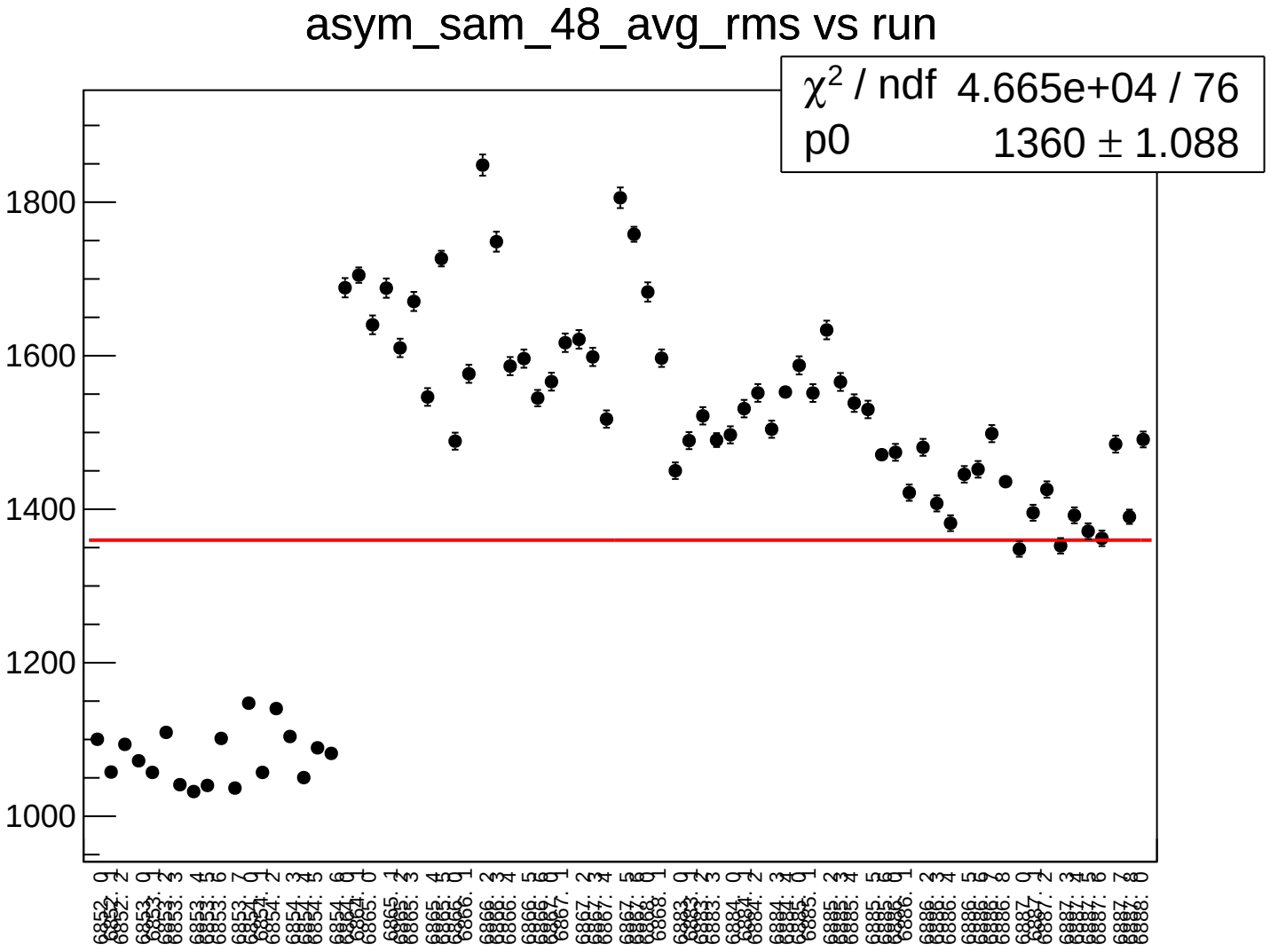
dit_asym_sam_48_avg_rms vs run

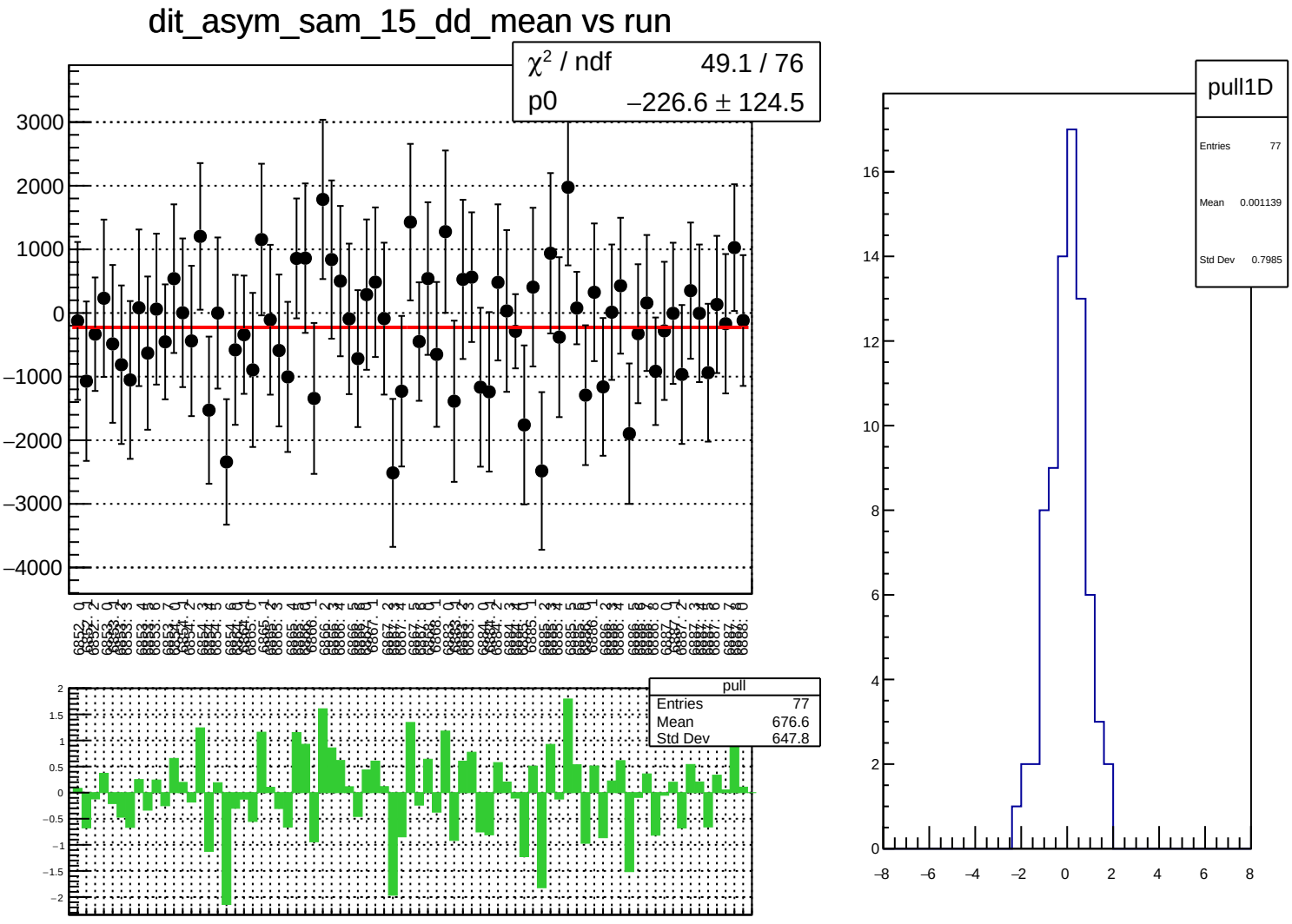


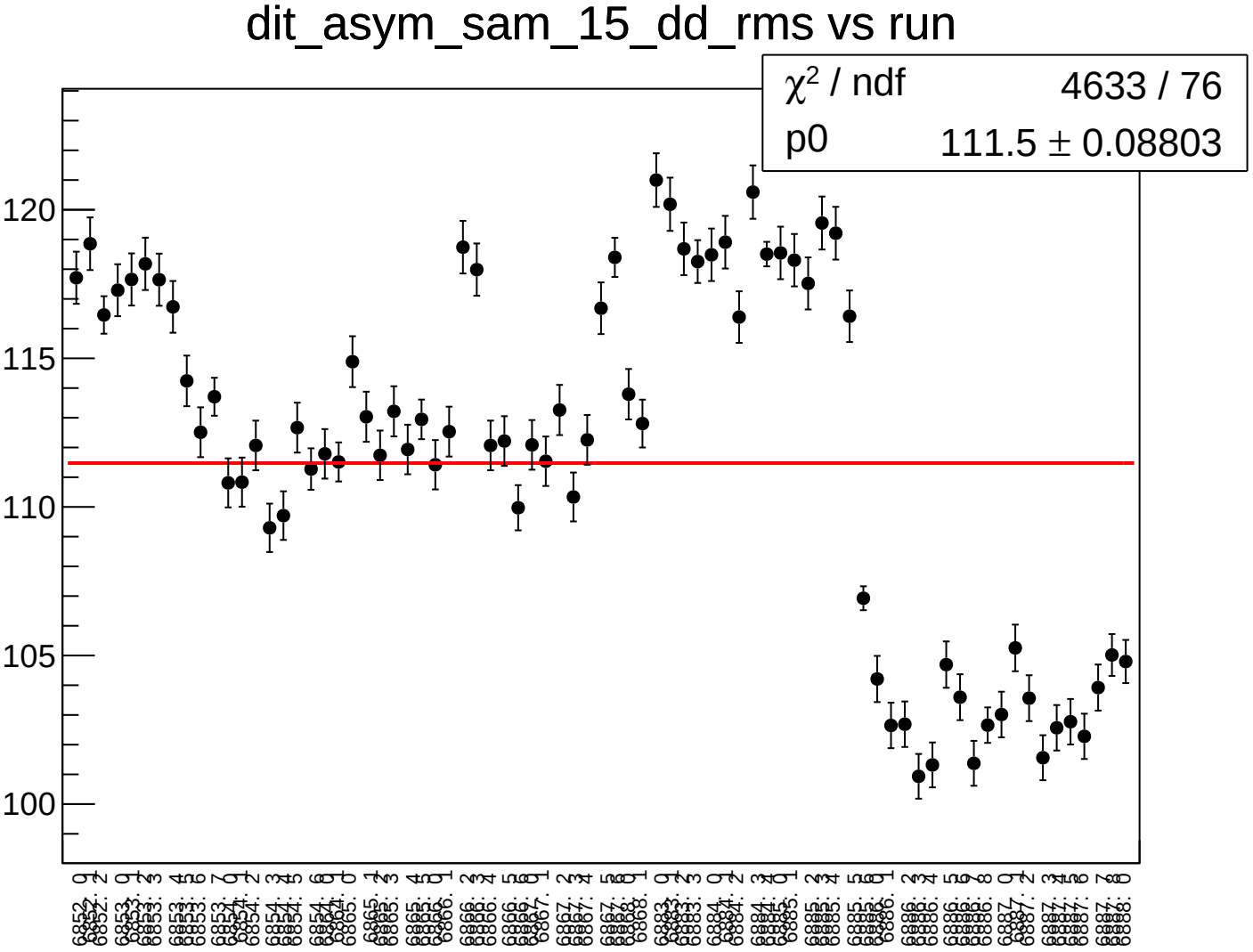

asym_sam_48_avg_correction_mean vs run
χ² / ndf 73.44 / 76
p0 −2752 ± 1544
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 117.9
Std Dev 77.47
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean 0.03102
Std Dev 0.9761
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

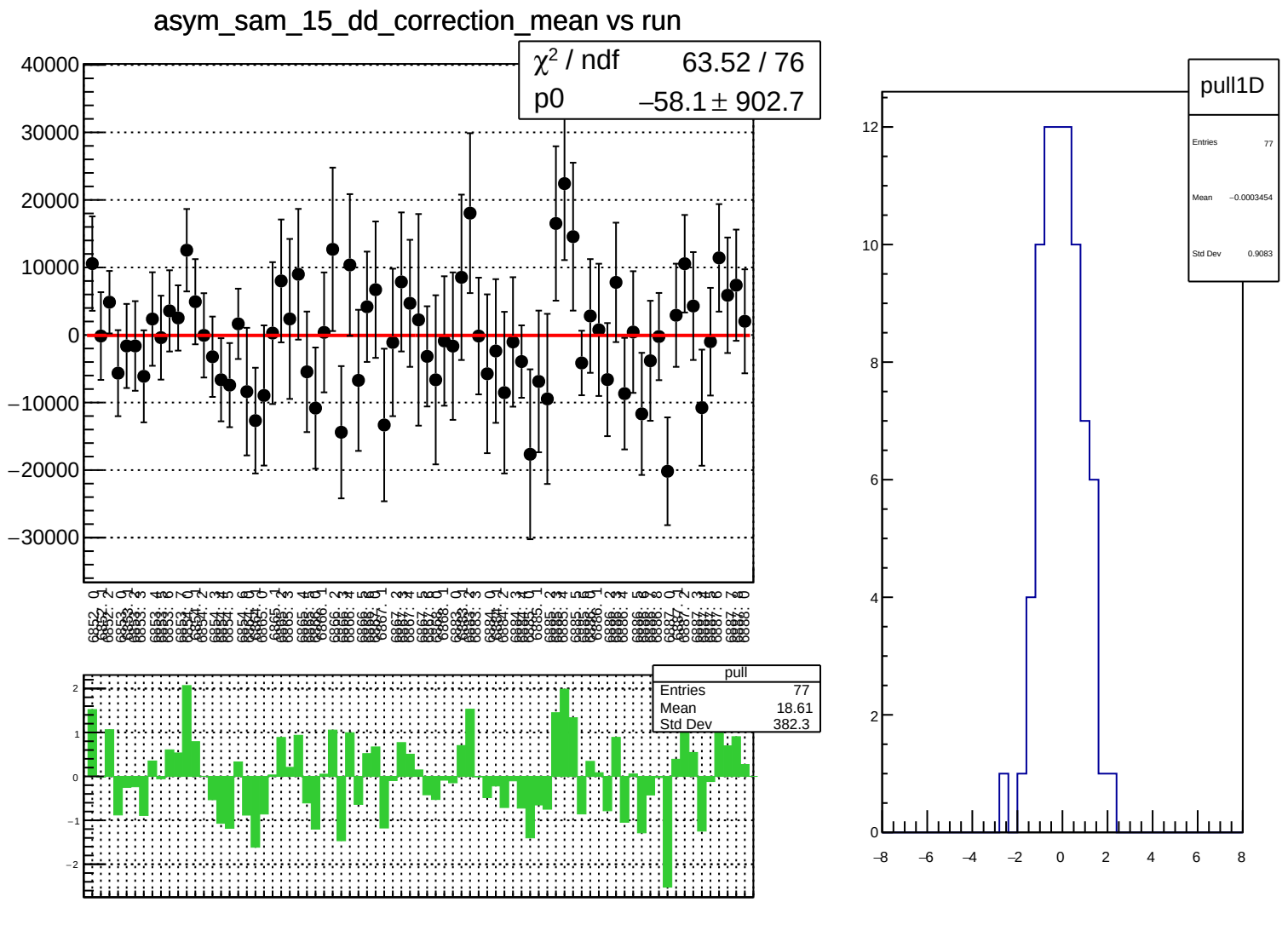

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 4.252e+04 / 76
p0 1366 ± 1.091
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

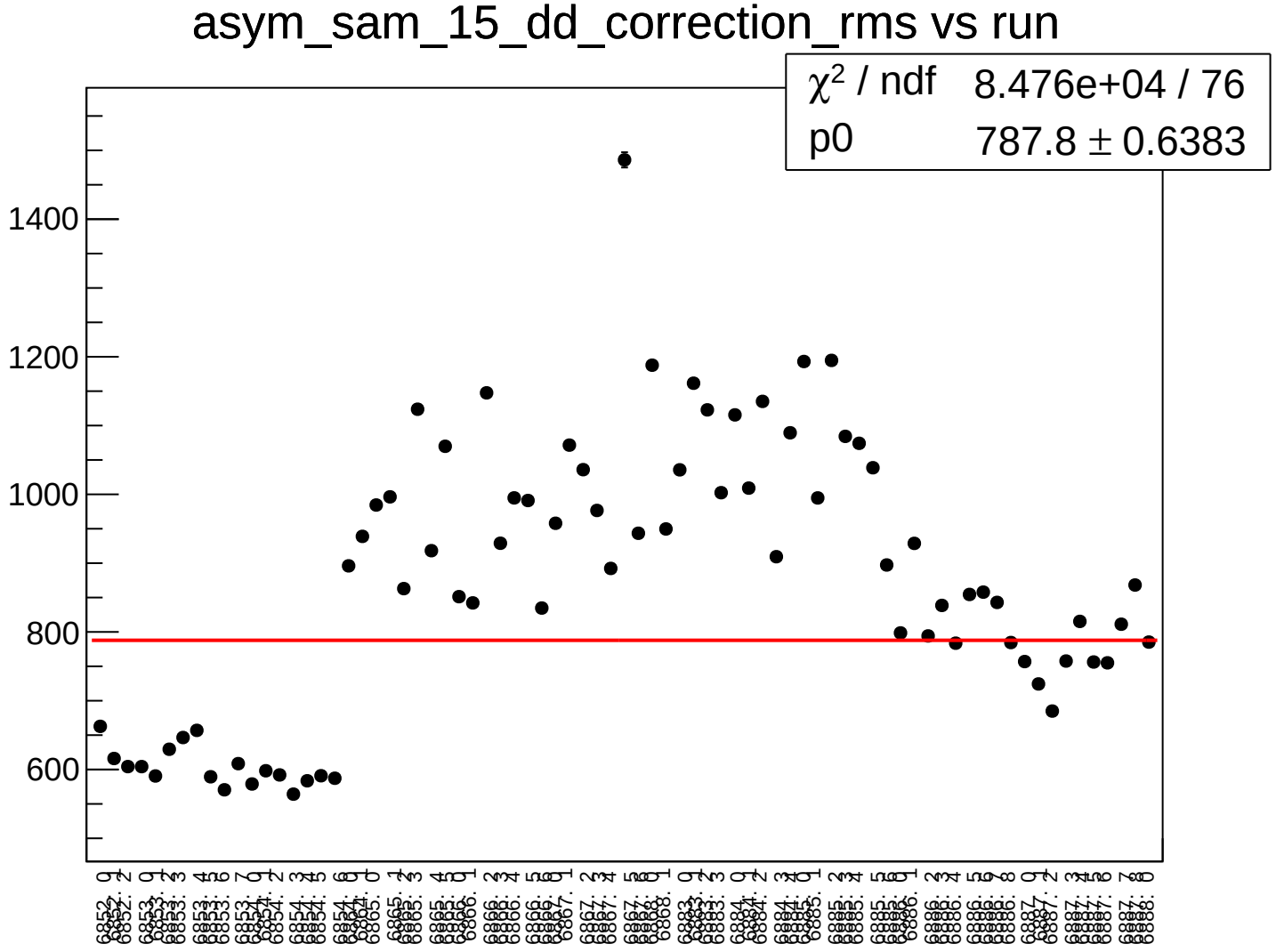

asym_sam_48_avg_mean vs run
χ² / ndf 74.28 / 76
p0 2911 ± 1539
60000
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 112
Std Dev 72.12
3
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.03186
Std Dev 0.9816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

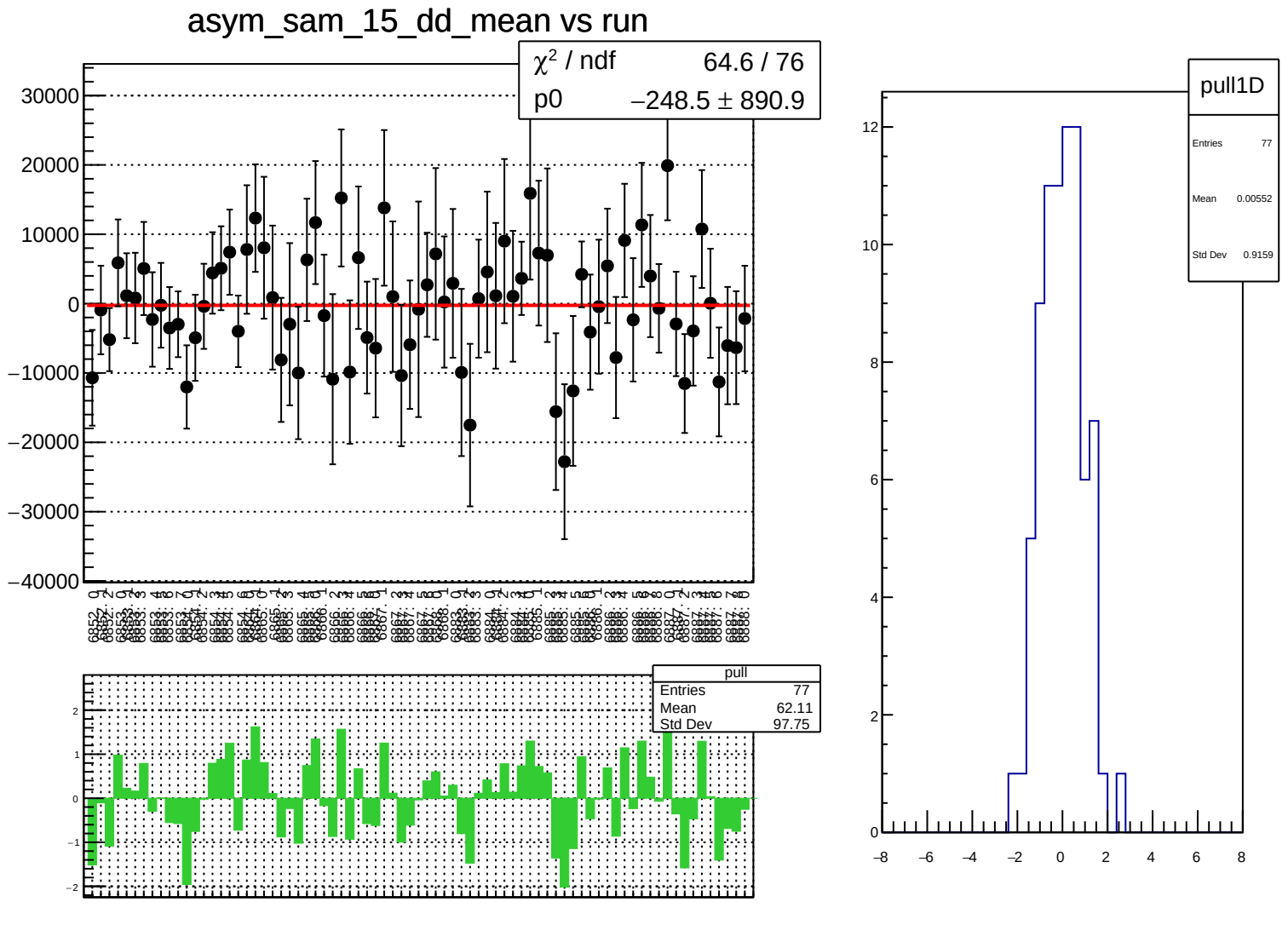

asym_sam_48_avg_rms vs run
χ^2 / ndf 4.665e+04 / 76
p0 1360 ± 1.088
1800
1600
1400
1200
1000


dit_asym_sam_15_dd_mean vs run
χ² / ndf 49.1 / 76
p0 −226.6 ± 124.5
pull
Entries 77
Mean 676.6
Std Dev 647.8
pull1D
Entries 77
Mean 0.001139
Std Dev 0.7985

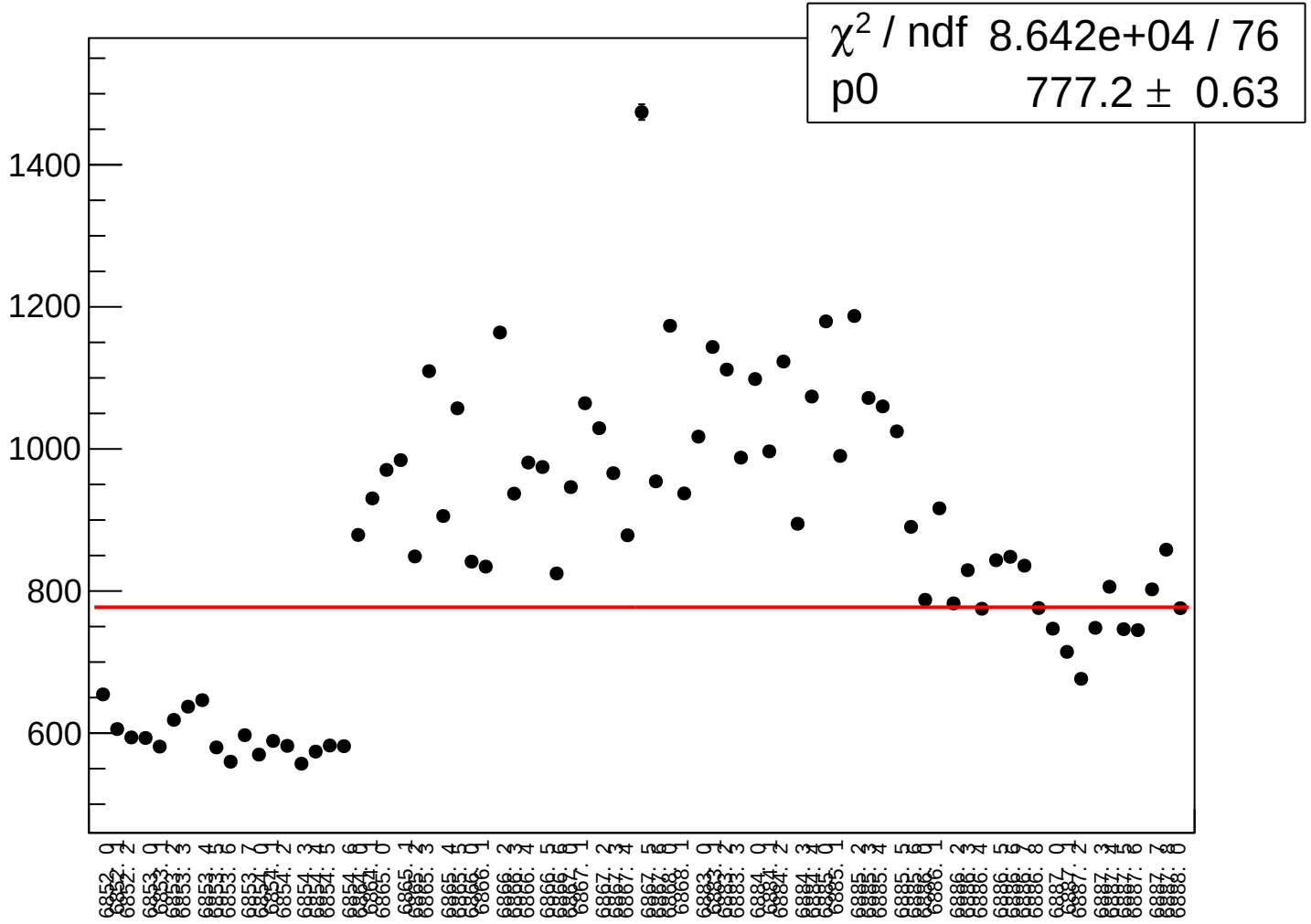

dit_asym_sam_15_dd_rms vs run
χ² / ndf 4633 / 76
p0 111.5 ± 0.08803
120
115
110
105
100

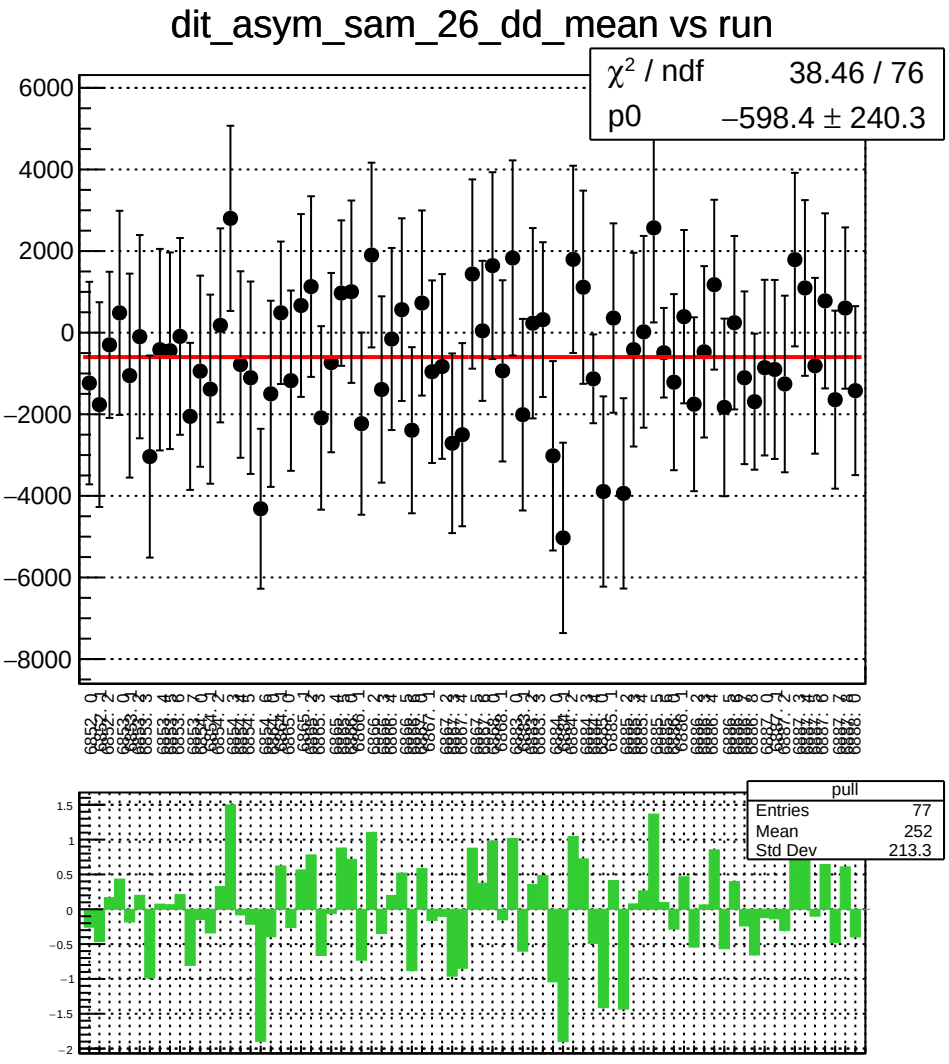

asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 63.52 / 76
p0 −58.1 ± 902.7
pull
Entries 77
Mean 18.61
Std Dev 382.3
pull1D
Entries 77
Mean −0.0003454
Std Dev 0.9083

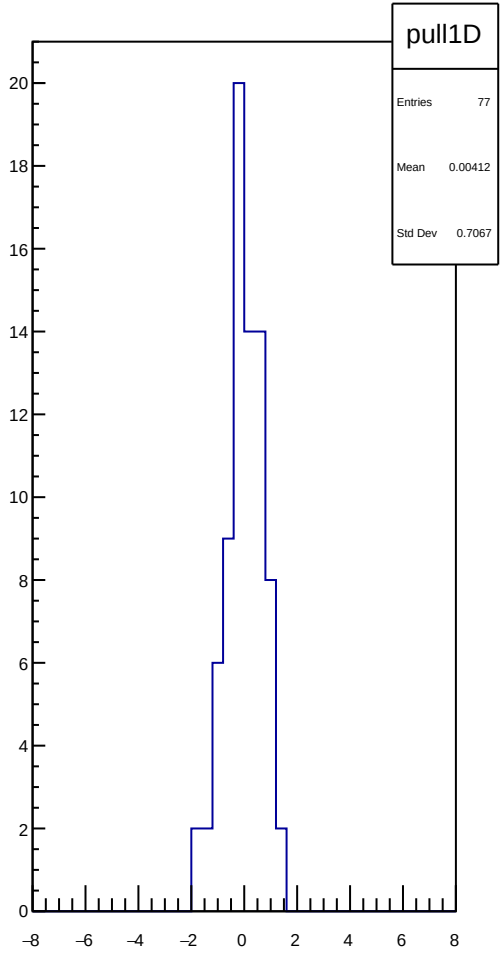

asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 8.476e+04 / 76
p0 787.8 ± 0.6383
1400
1200
1000
800
600


asym_sam_15_dd_mean vs run
χ² / ndf 64.6 / 76
p0 −248.5 ± 890.9
pull
Entries 77
Mean 62.11
Std Dev 97.75
pull1D
Entries 77
Mean 0.00552
Std Dev 0.9159

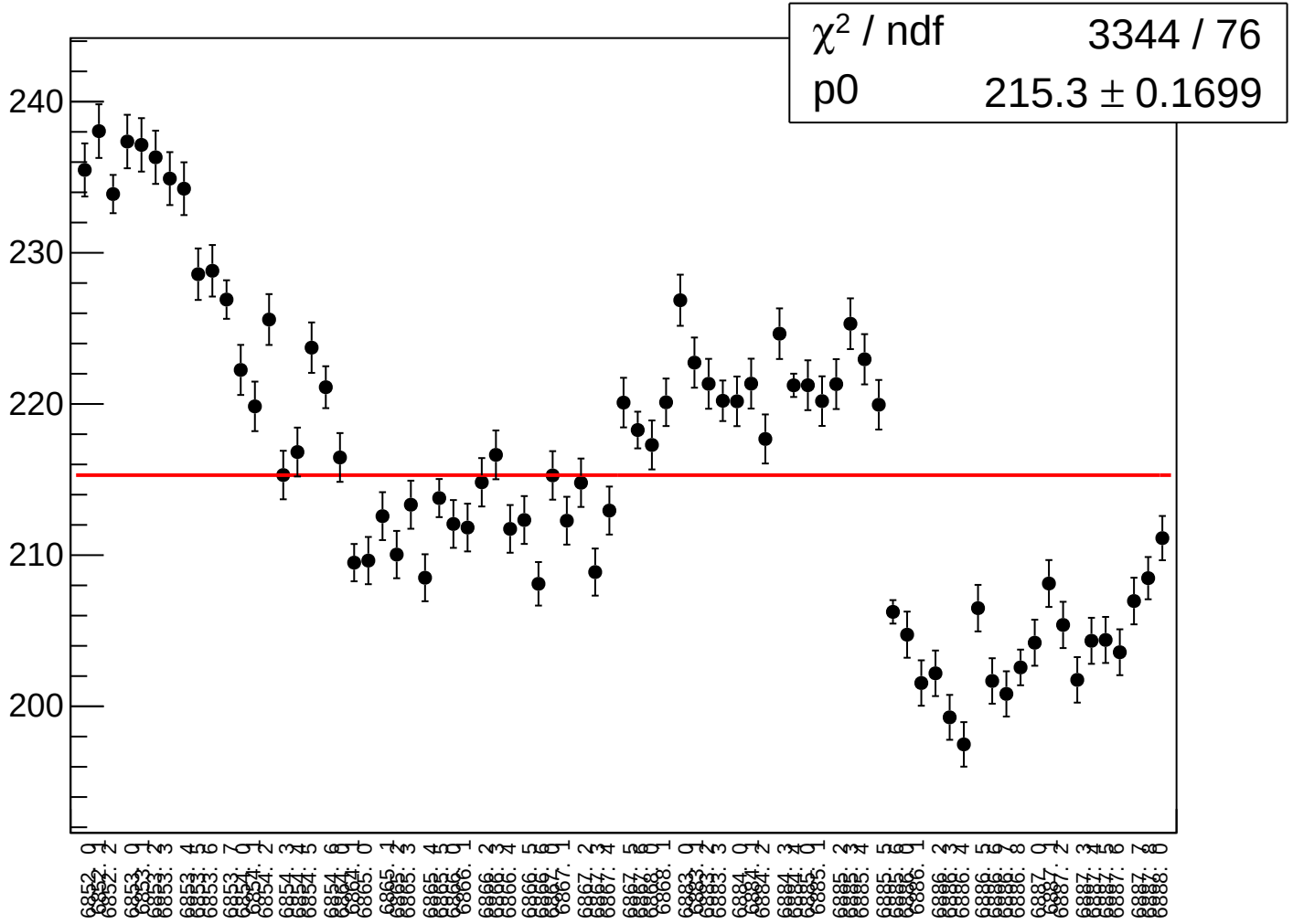
asym_sam_15_dd_rms vs run

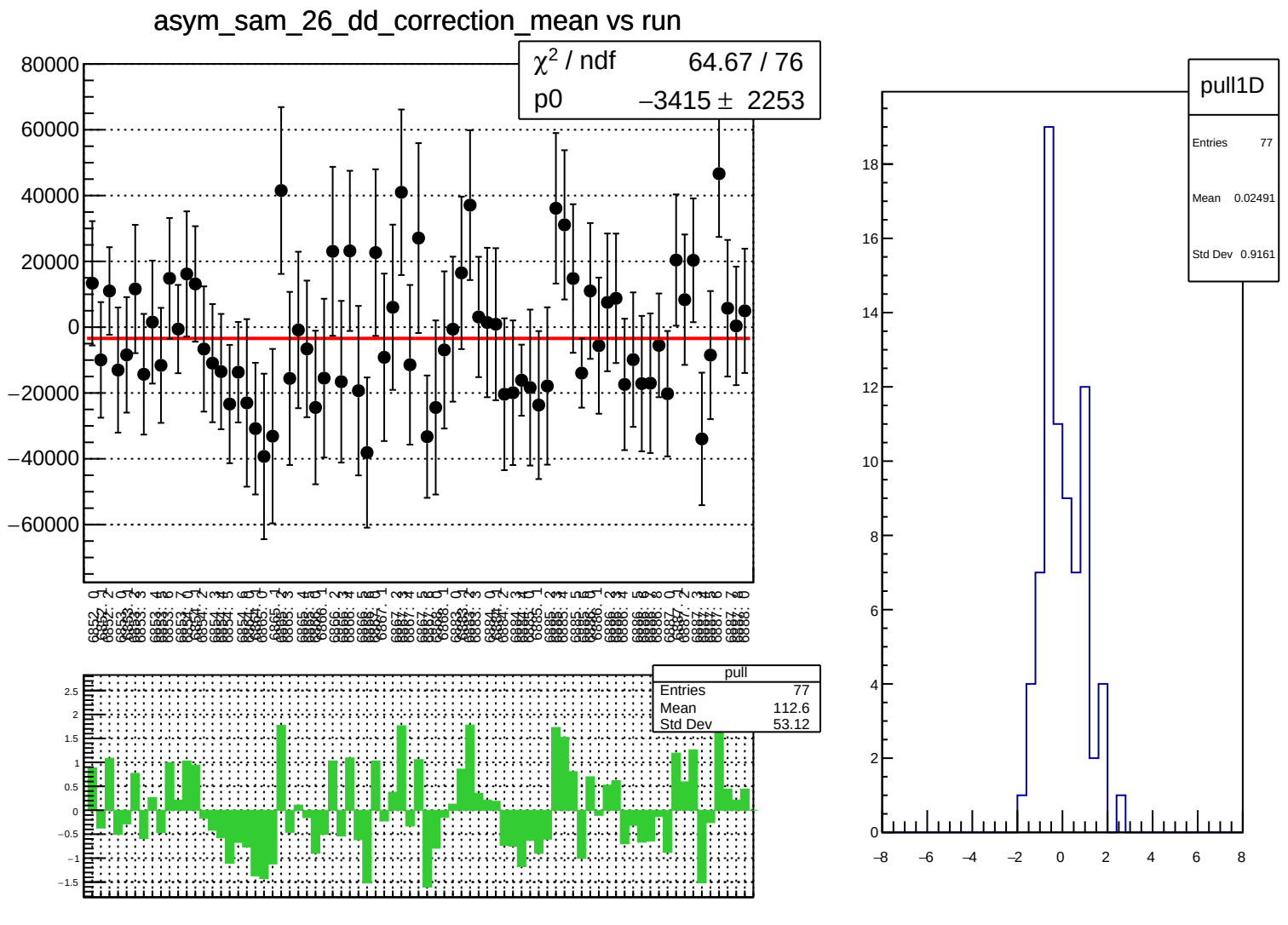


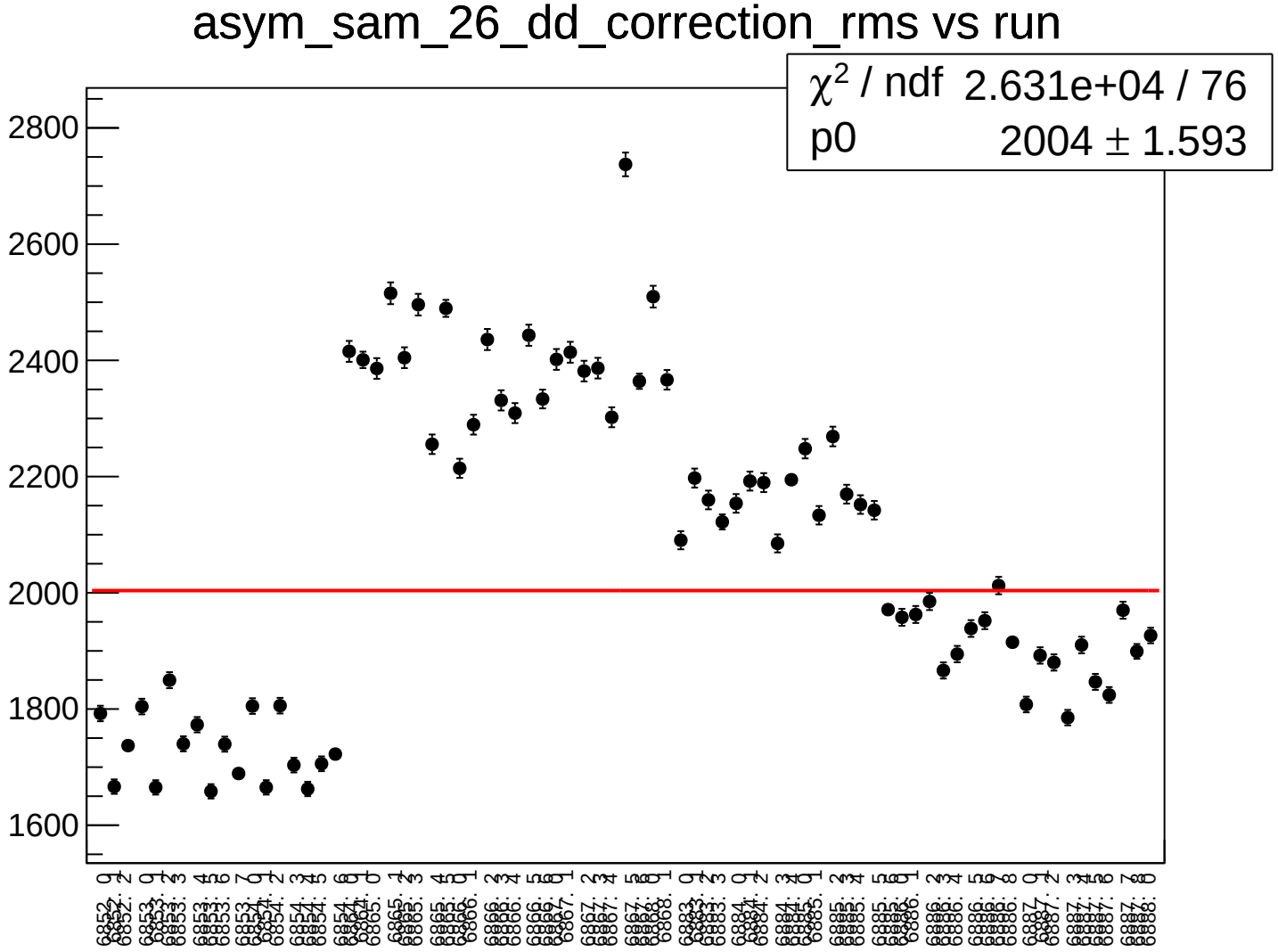

dit_asym_sam_26_dd_mean vs run
χ² / ndf 38.46 / 76
p0 −598.4 ± 240.3
pull
Entries 77
Mean 252
Std Dev 213.3

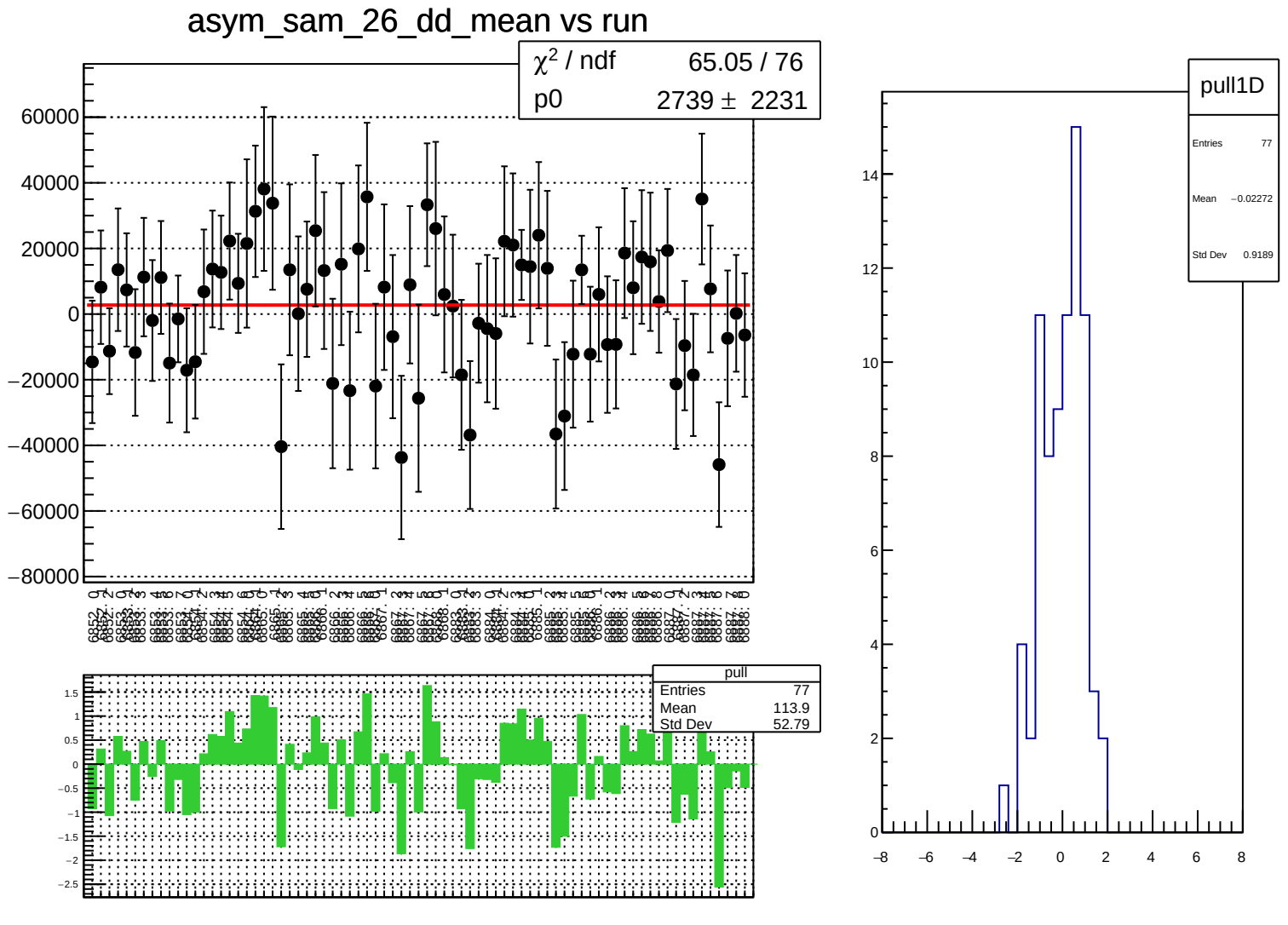

pull1D
Entries 77
Mean 0.00412
Std Dev 0.7067

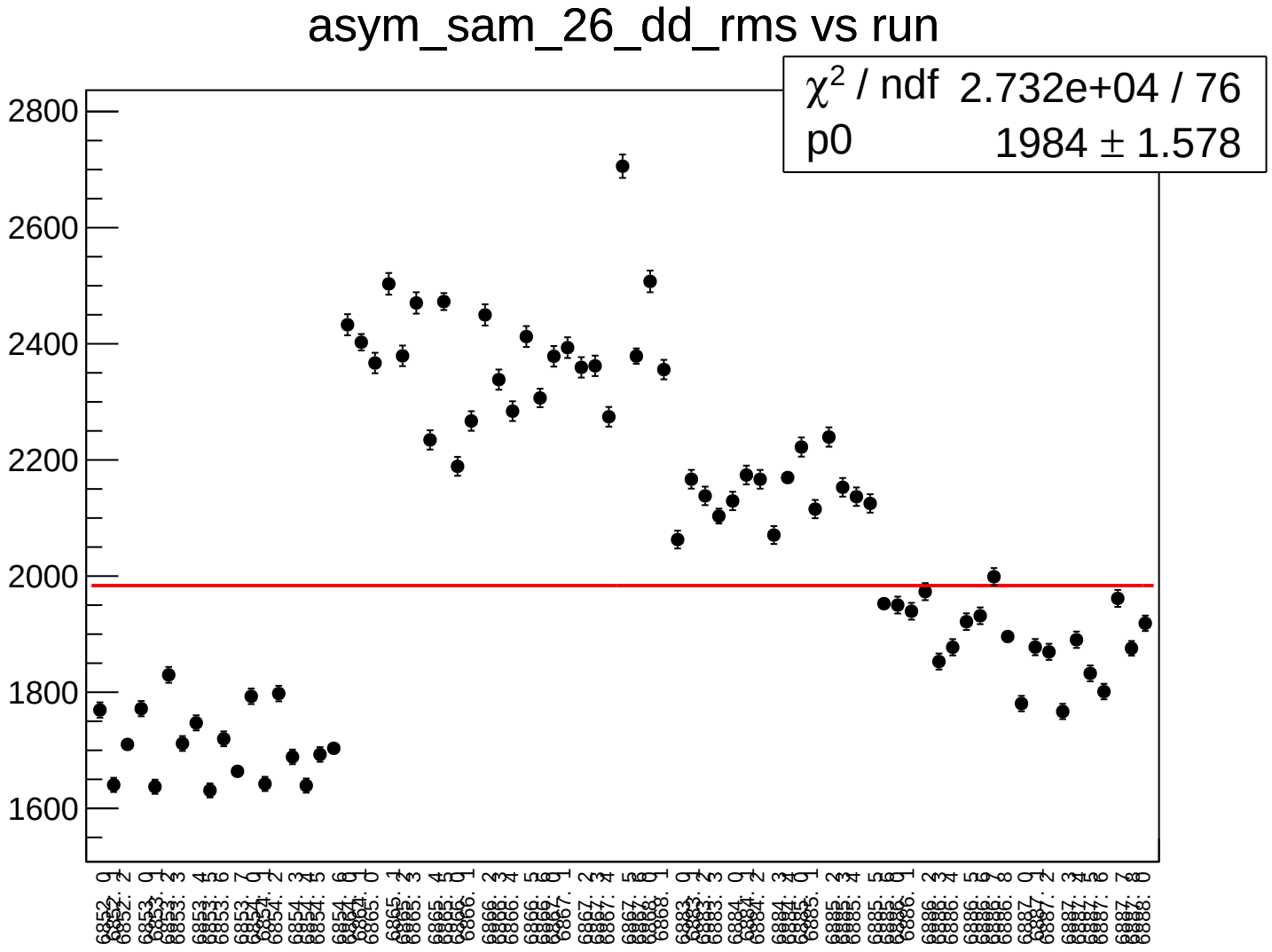
dit_asym_sam_26_dd_rms vs run

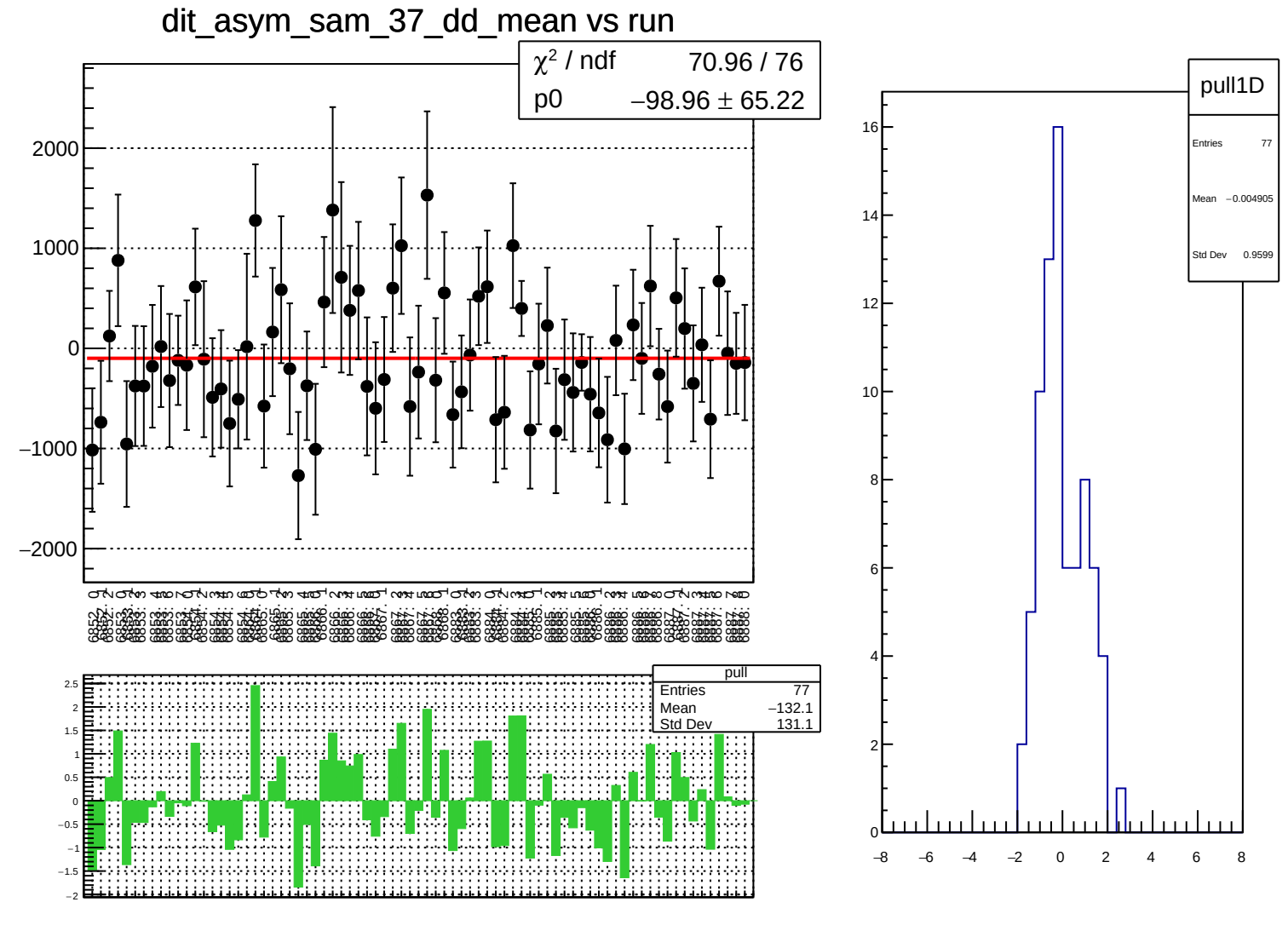



asym_sam_26_dd_correction_mean vs run
χ² / ndf 64.67 / 76
p0 −3415 ± 2253
pull
Entries 77
Mean 112.6
Std Dev 53.12
pull1D
Entries 77
Mean 0.02491
Std Dev 0.9161

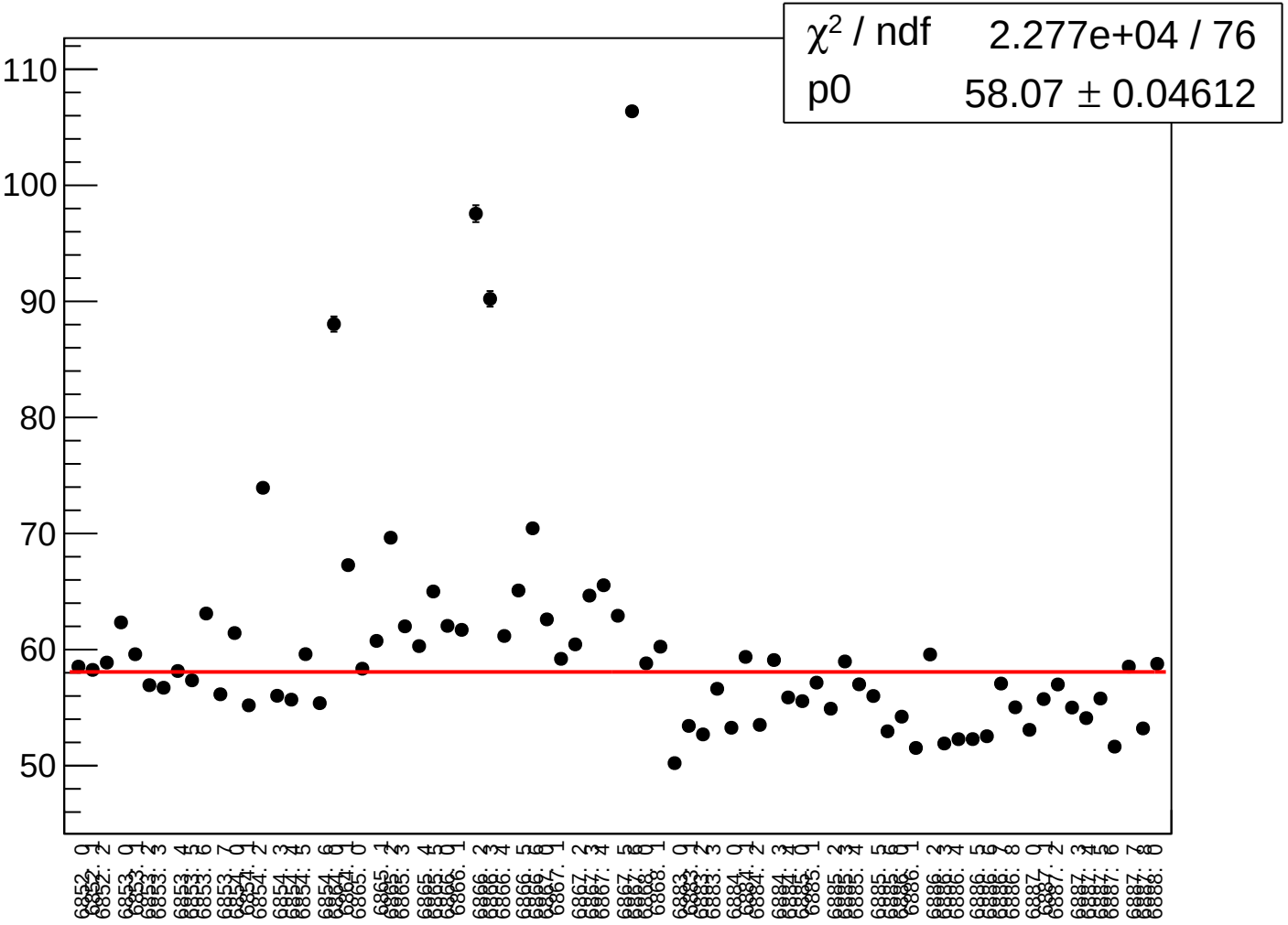

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 2.631e+04 / 76
p0 2004 ± 1.593
2800
2600
2400
2200
2000
1800
1600

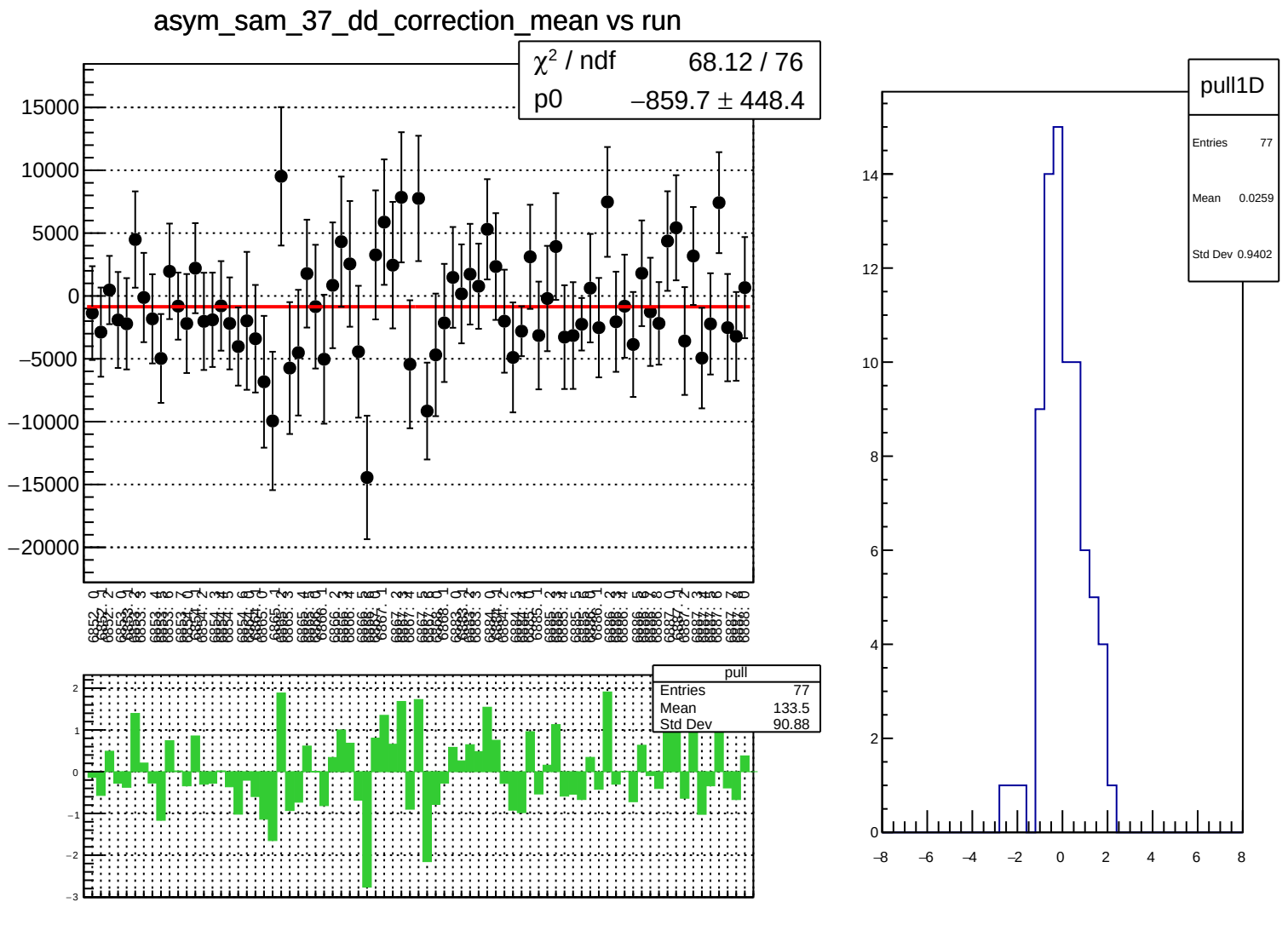

asym_sam_26_dd_mean vs run
χ² / ndf 65.05 / 76
p0 2739 ± 2231
pull
Entries 77
Mean 113.9
Std Dev 52.79
pull1D
Entries 77
Mean −0.02272
Std Dev 0.9189


asym_sam_26_dd_rms vs run
χ^2 / ndf 2.732e+04 / 76
p0 1984 ± 1.578
2800
2600
2400
2200
2000
1800
1600

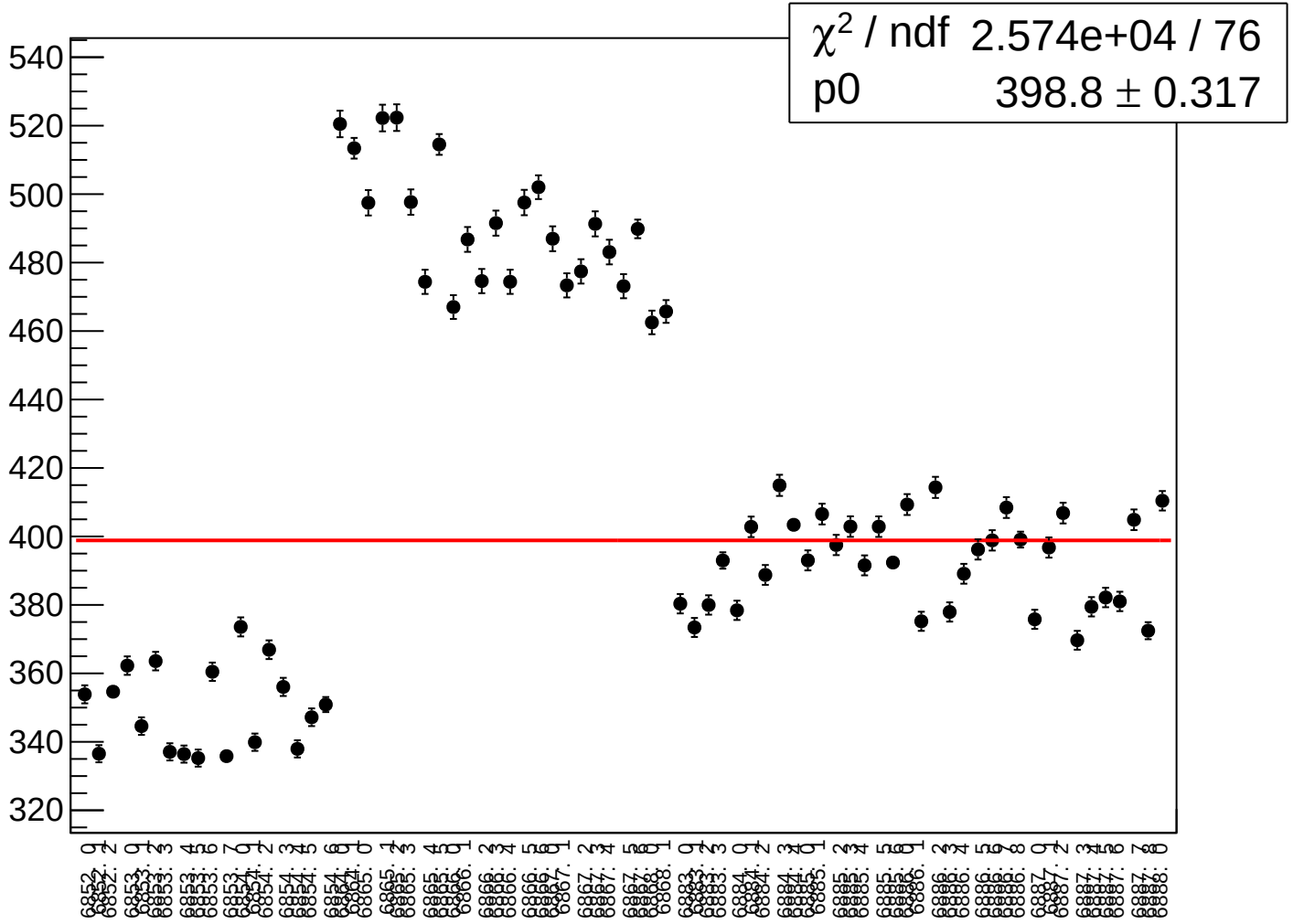

dit_asym_sam_37_dd_mean vs run
χ² / ndf 70.96 / 76
p0 −98.96 ± 65.22
pull
Entries 77
Mean −132.1
Std Dev 131.1
pull1D
Entries 77
Mean −0.004905
Std Dev 0.9599

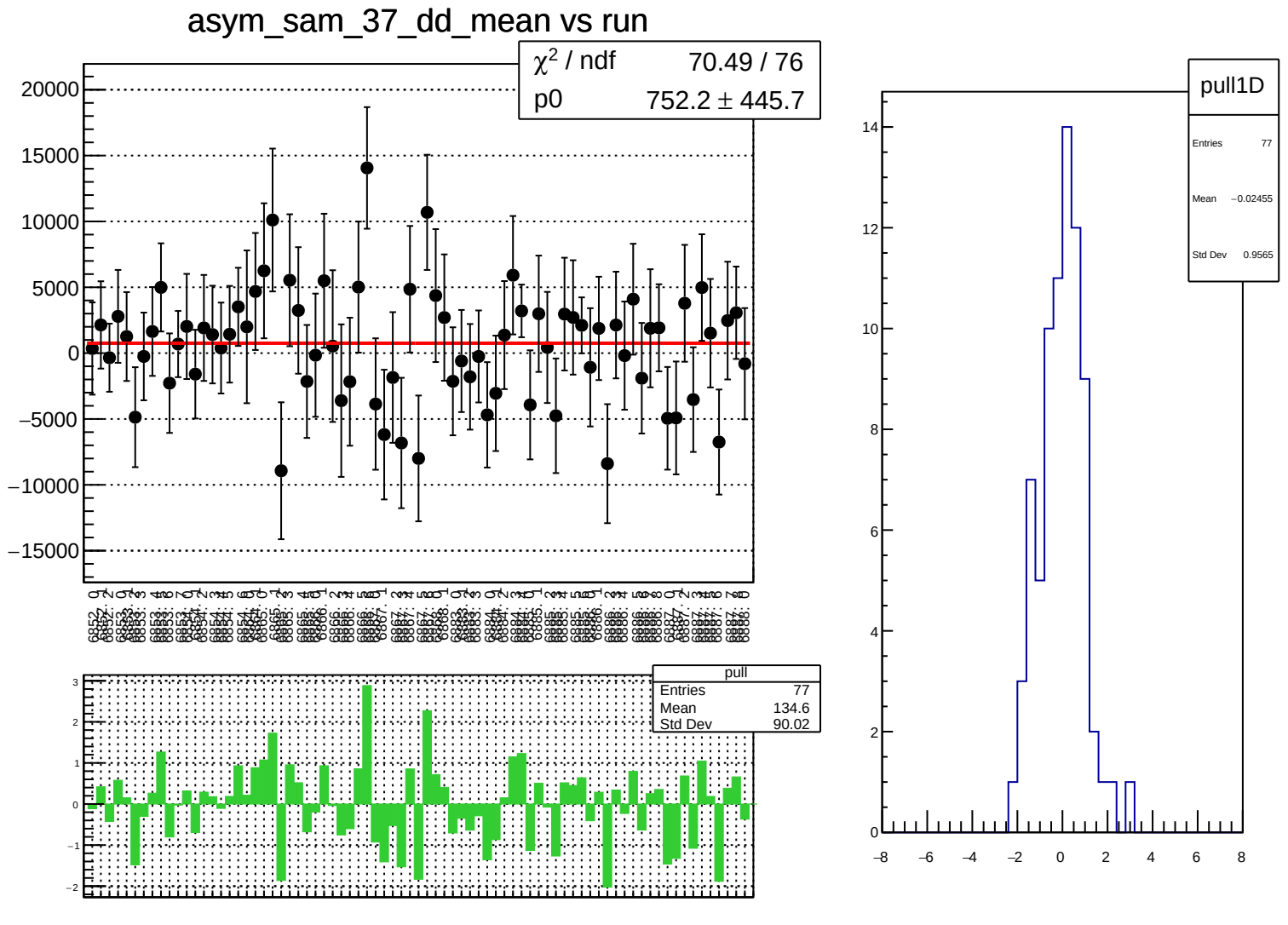
dit_asym_sam_37_dd_rms vs run

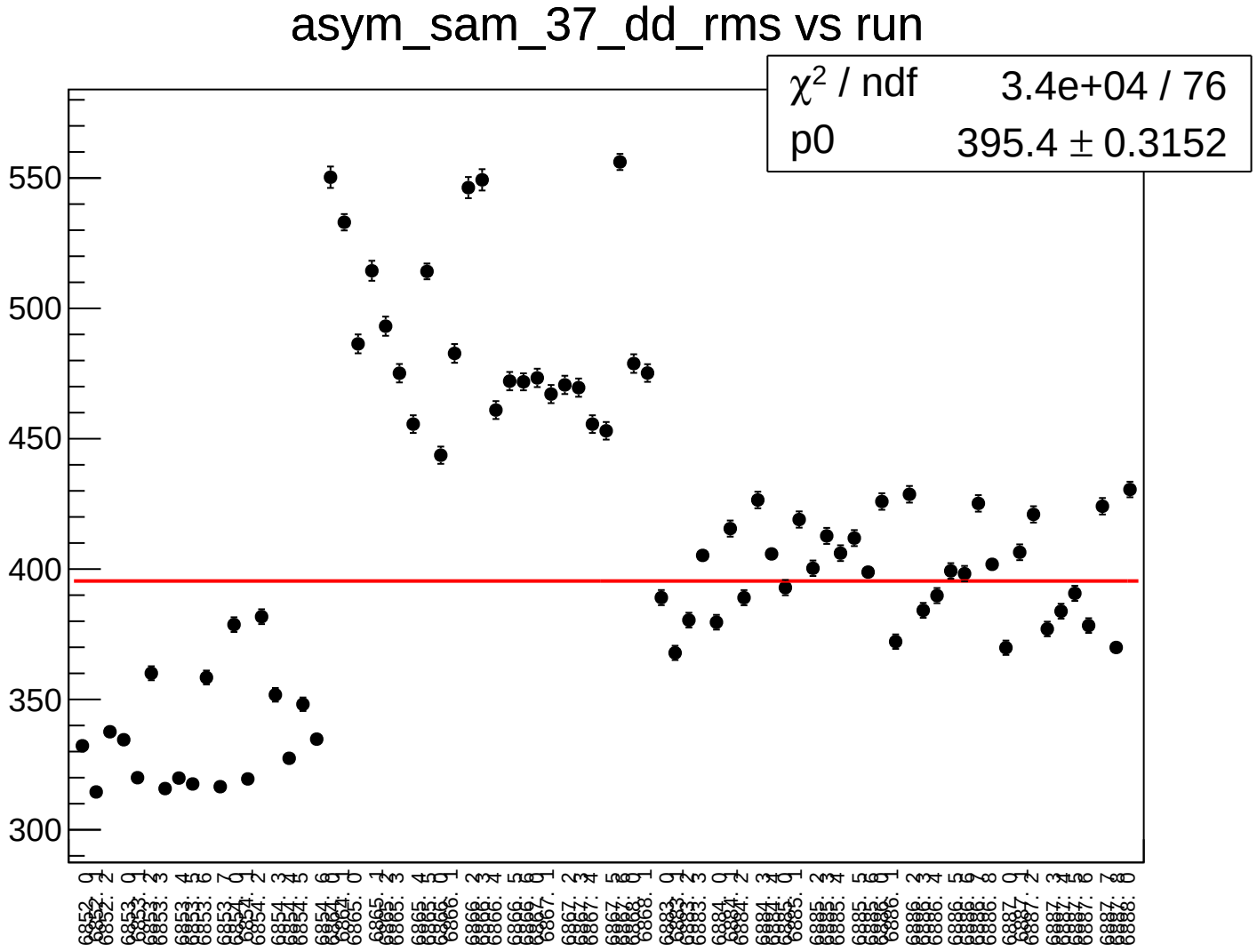


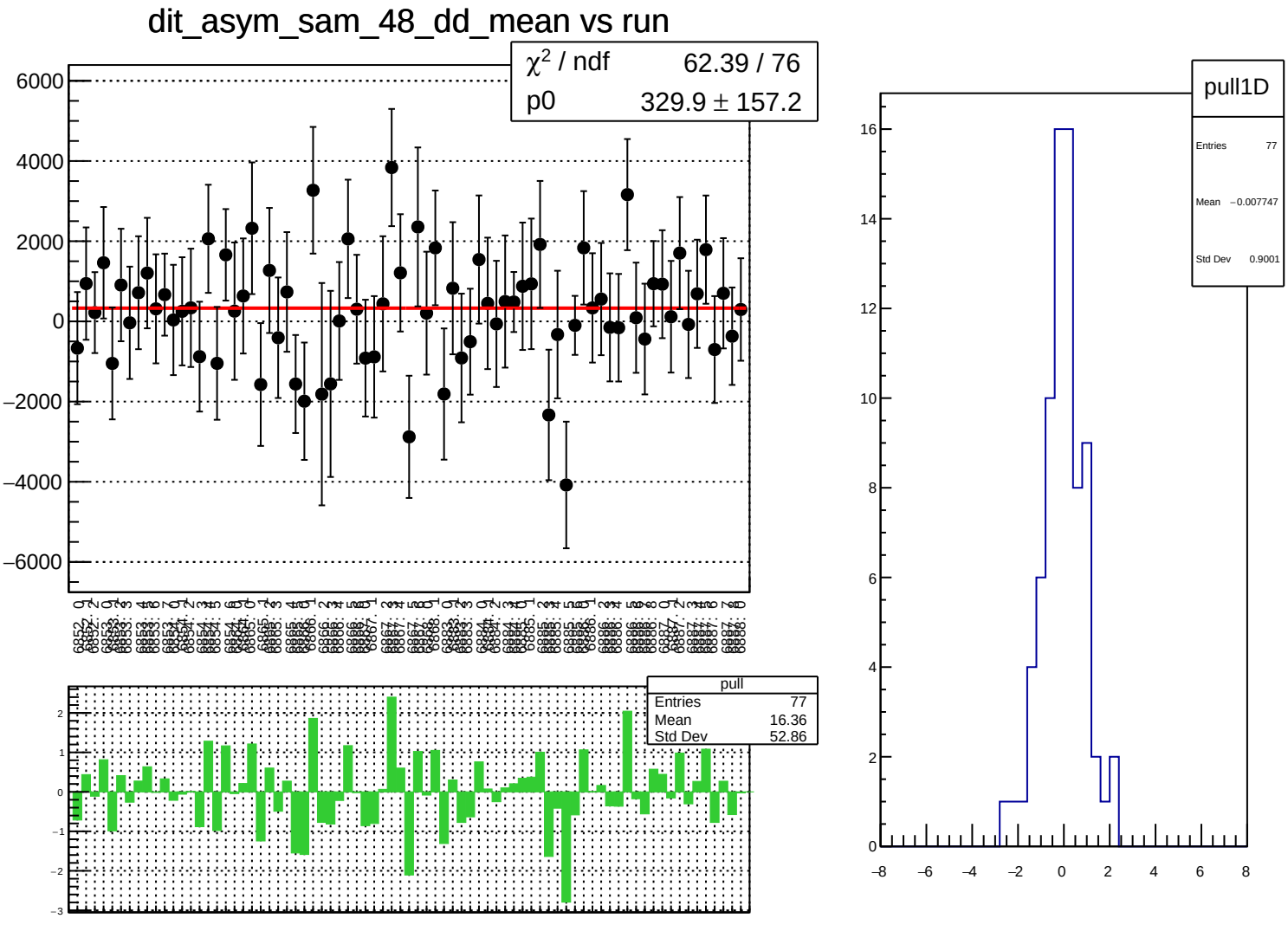

asym_sam_37_dd_correction_mean vs run
χ² / ndf 68.12 / 76
p0 −859.7 ± 448.4
pull
Entries 77
Mean 133.5
Std Dev 90.88
pull1D
Entries 77
Mean 0.0259
Std Dev 0.9402

asym_sam_37_dd_correction_rms vs run

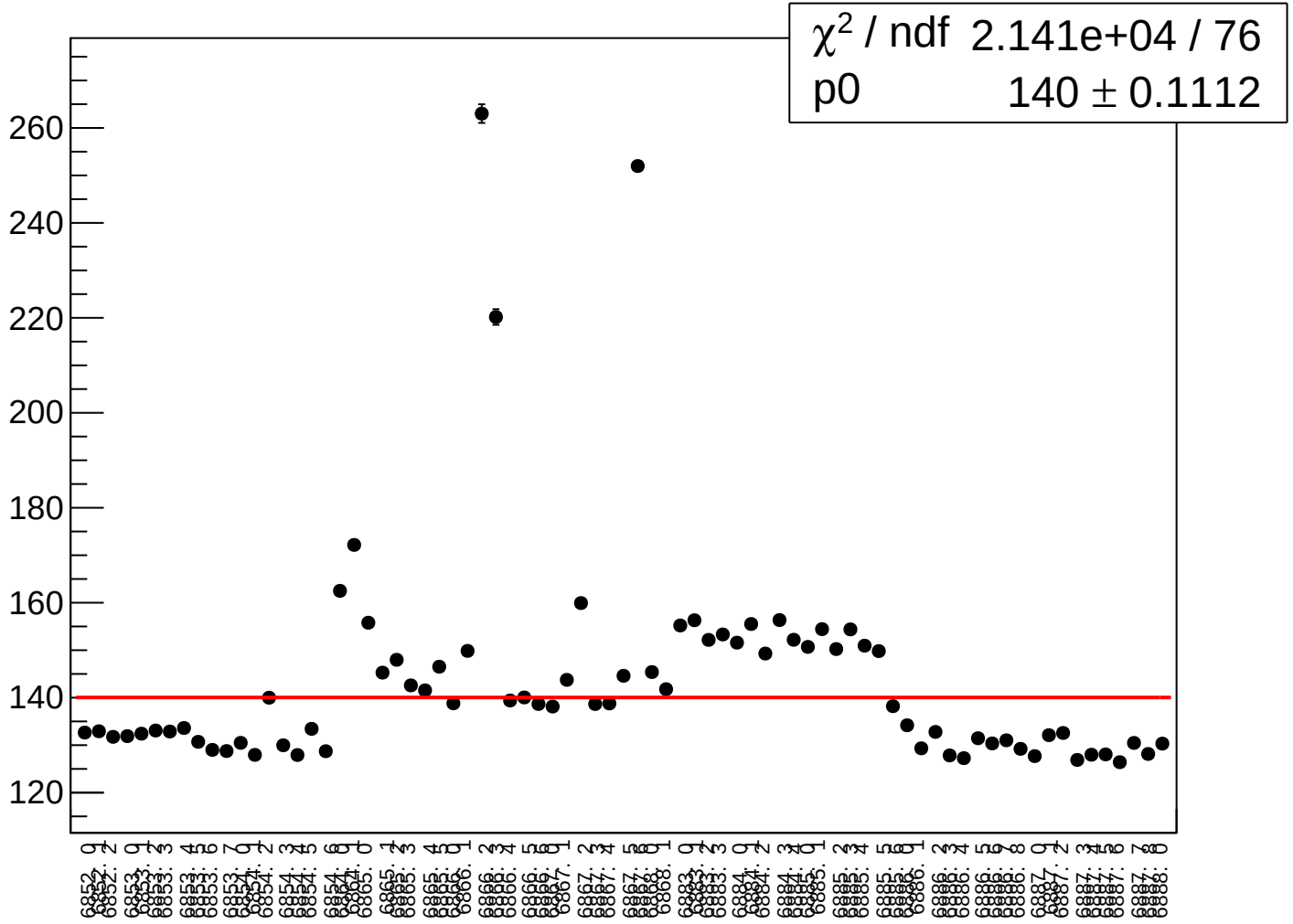


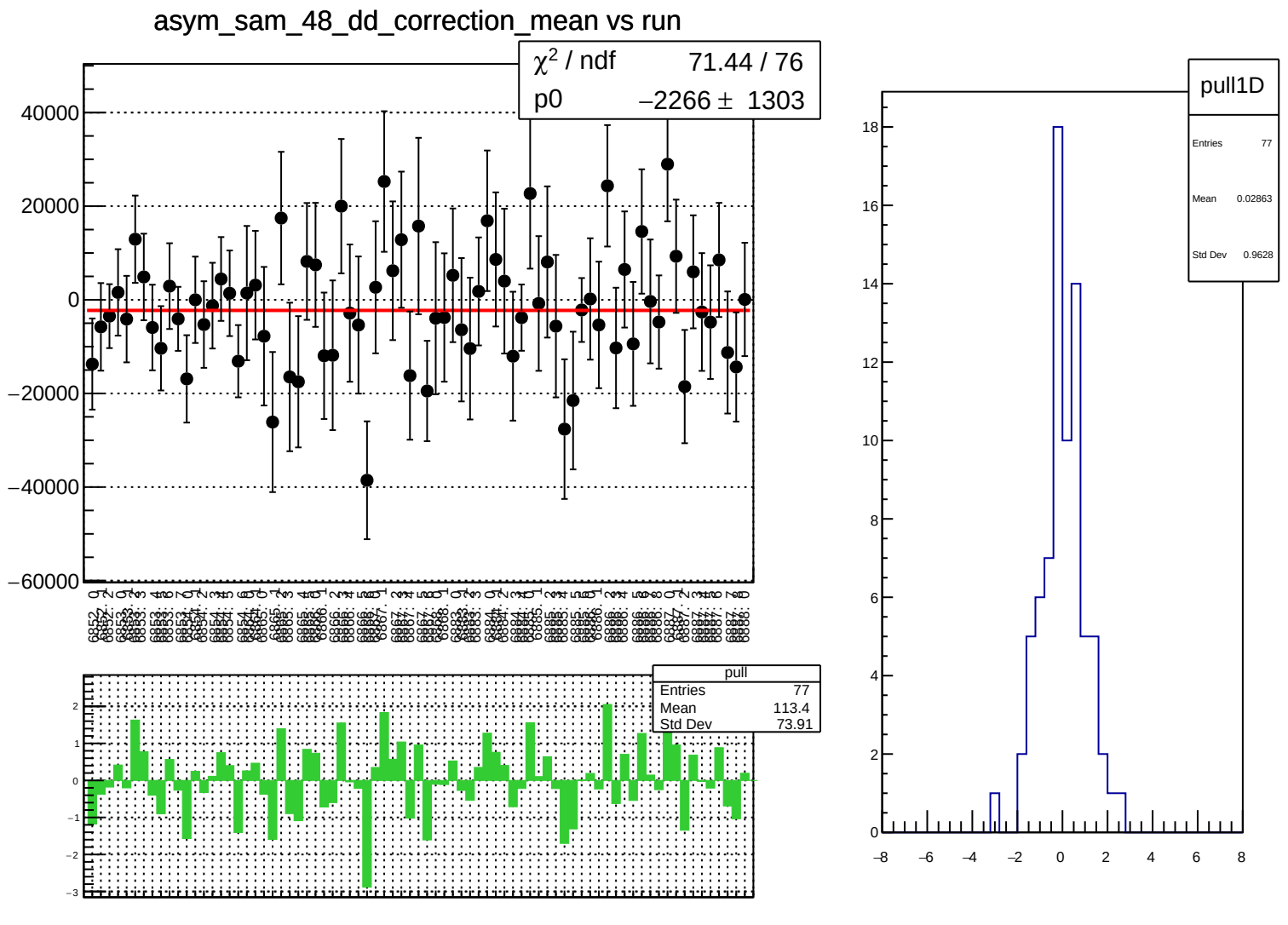

asym_sam_37_dd_mean vs run
χ² / ndf 70.49 / 76
p0 752.2 ± 445.7
pull
Entries 77
Mean 134.6
Std Dev 90.02
pull1D
Entries 77
Mean −0.02455
Std Dev 0.9565

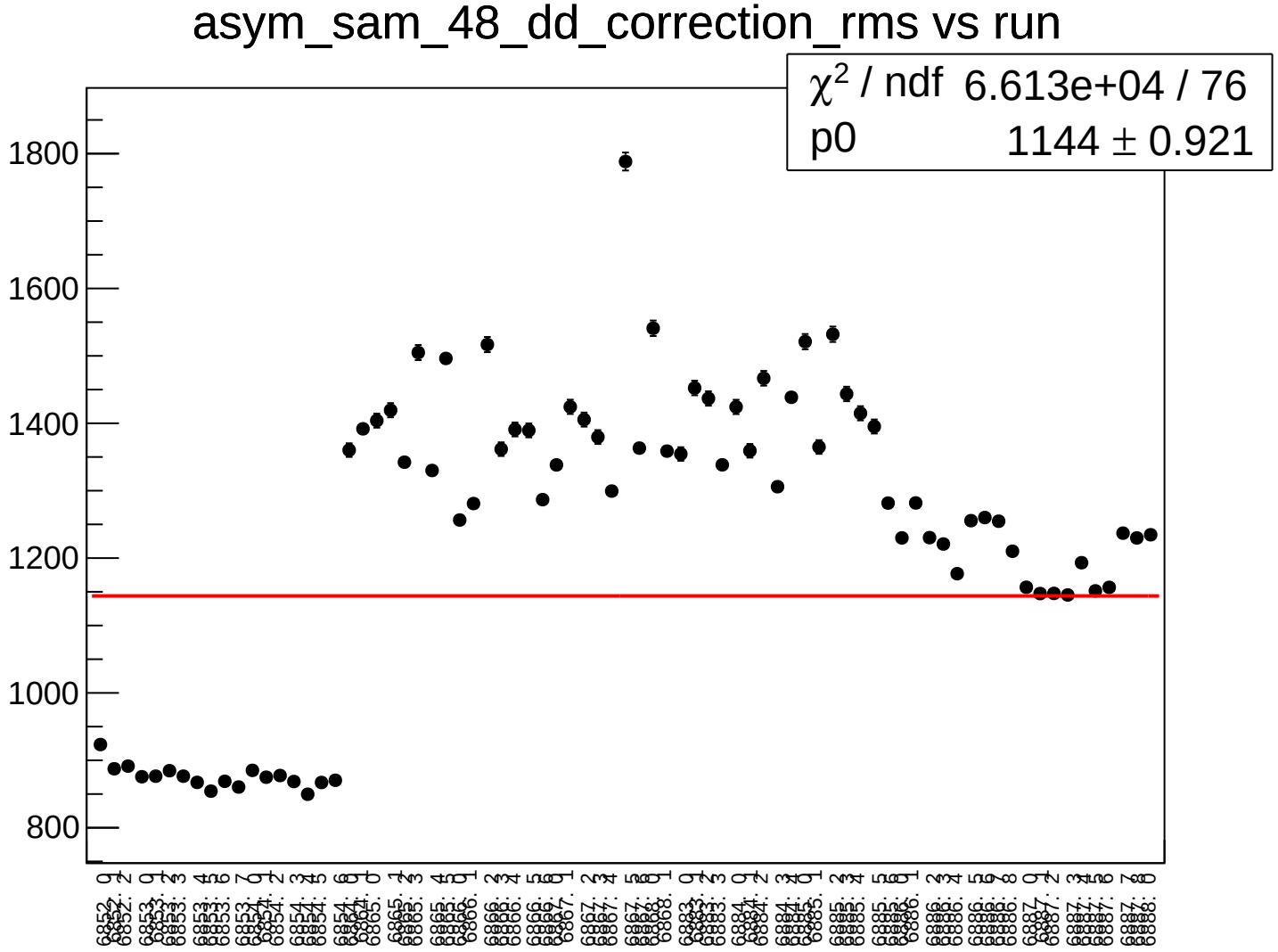

asym_sam_37_dd_rms vs run
χ^2 / ndf 3.4e+04 / 76
p0 395.4 ± 0.3152
550
500
450
400
350
300

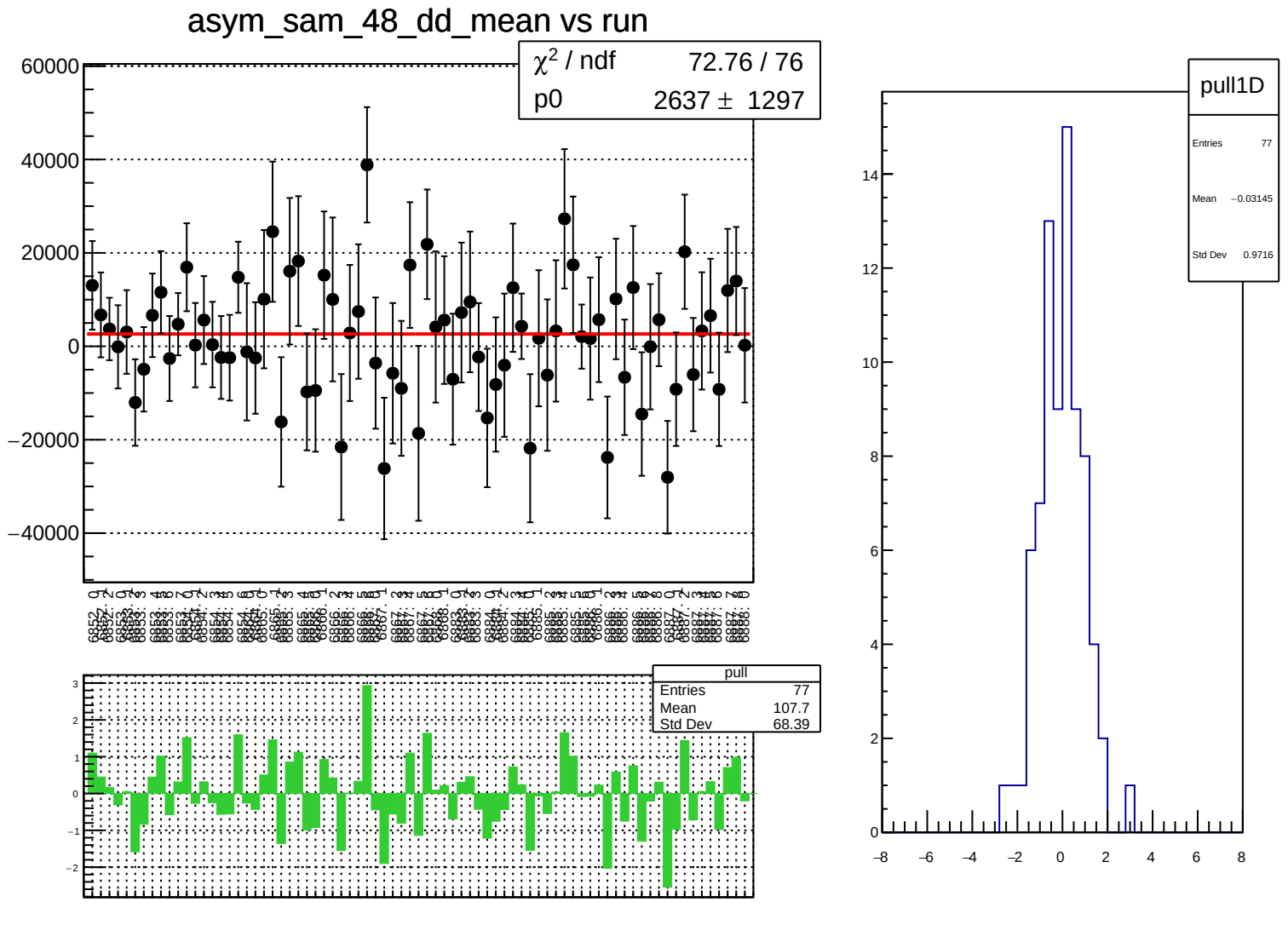

dit_asym_sam_48_dd_mean vs run
χ² / ndf 62.39 / 76
p0 329.9 ± 157.2
pull
Entries 77
Mean 16.36
Std Dev 52.86
pull1D
Entries 77
Mean −0.007747
Std Dev 0.9001

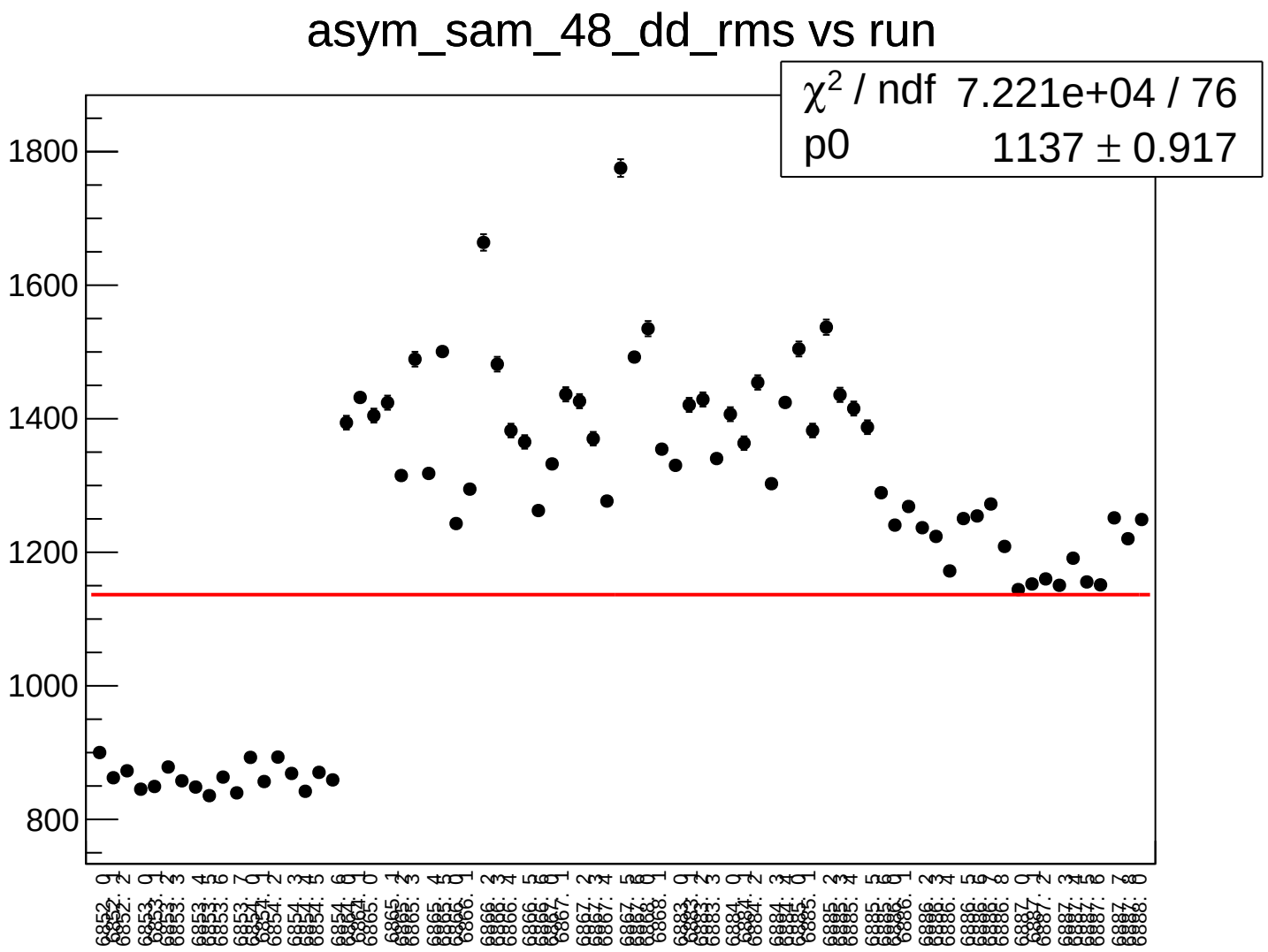
dit_asym_sam_48_dd_rms vs run

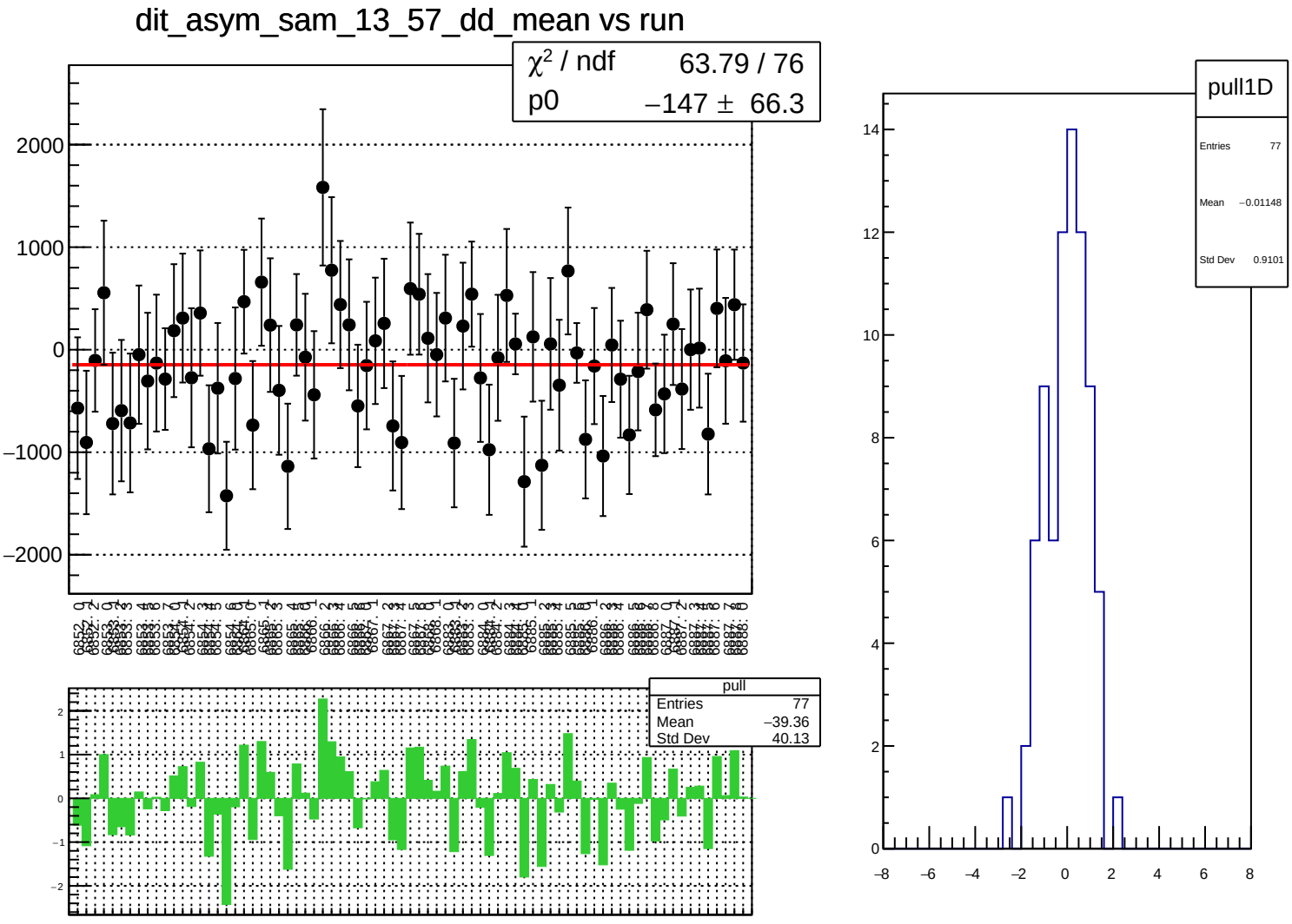



asym_sam_48_dd_correction_mean vs run
χ² / ndf 71.44 / 76
p0 −2266 ± 1303
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 113.4
Std Dev 73.91
pull1D
Entries 77
Mean 0.02863
Std Dev 0.9628

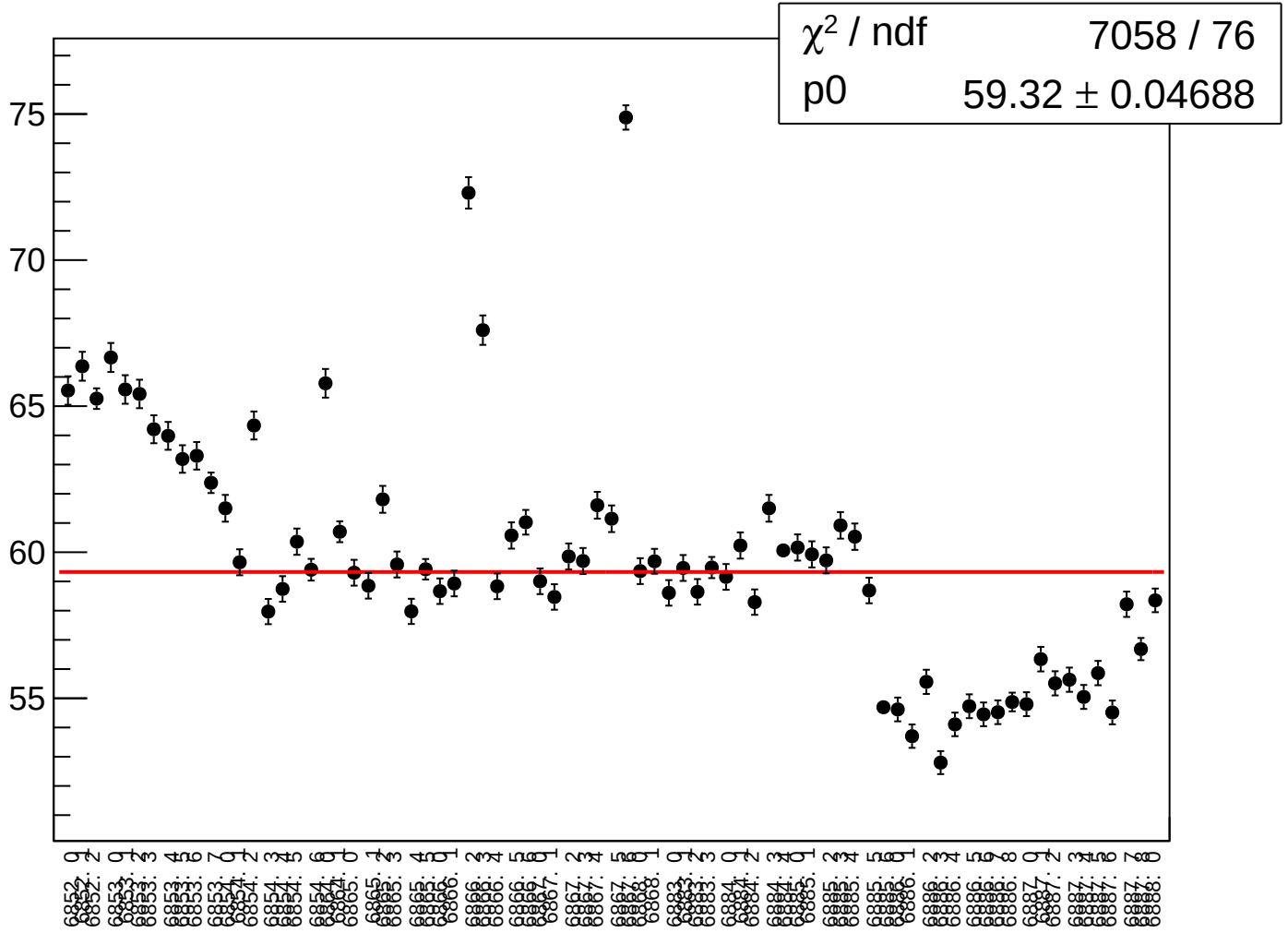

asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 6.613e+04 / 76
p0 1144 ± 0.921
1800
1600
1400
1200
1000
800

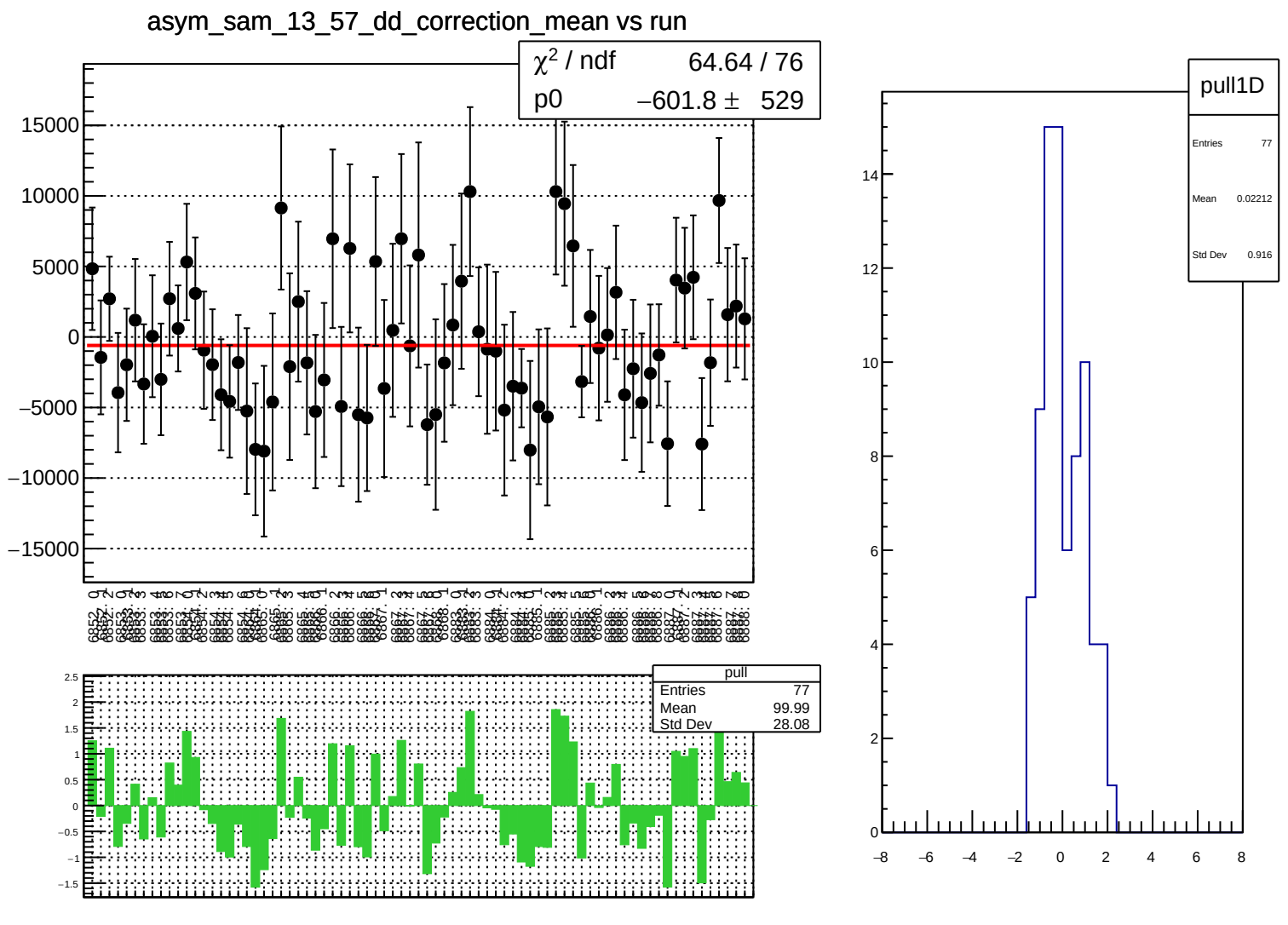

asym_sam_48_dd_mean vs run
χ² / ndf 72.76 / 76
p0 2637 ± 1297
pull
Entries 77
Mean 107.7
Std Dev 68.39
pull1D
Entries 77
Mean −0.03145
Std Dev 0.9716

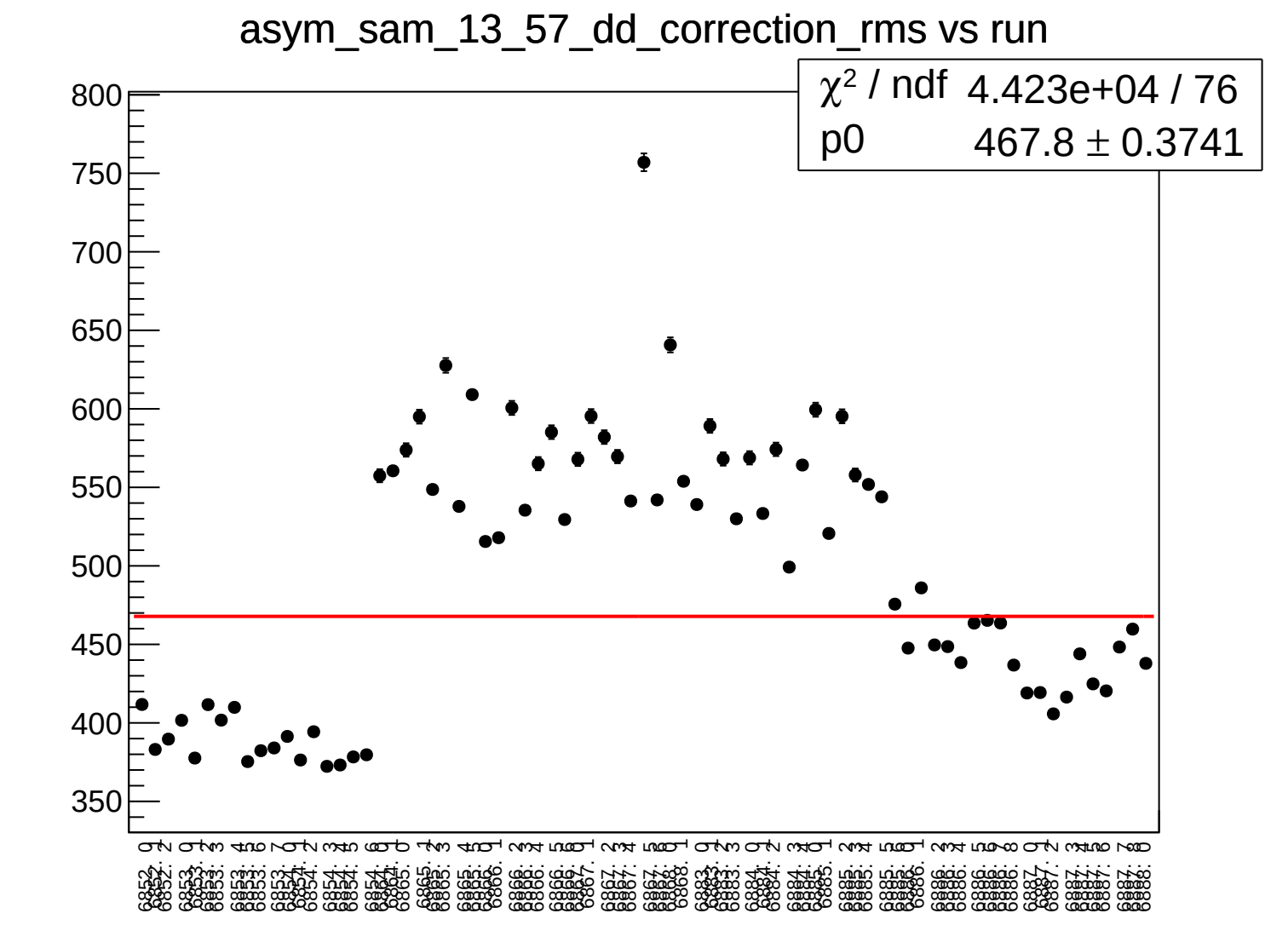

asym_sam_48_dd_rms vs run
χ² / ndf 7.221e+04 / 76
p0 1137 ± 0.917
1800
1600
1400
1200
1000
800

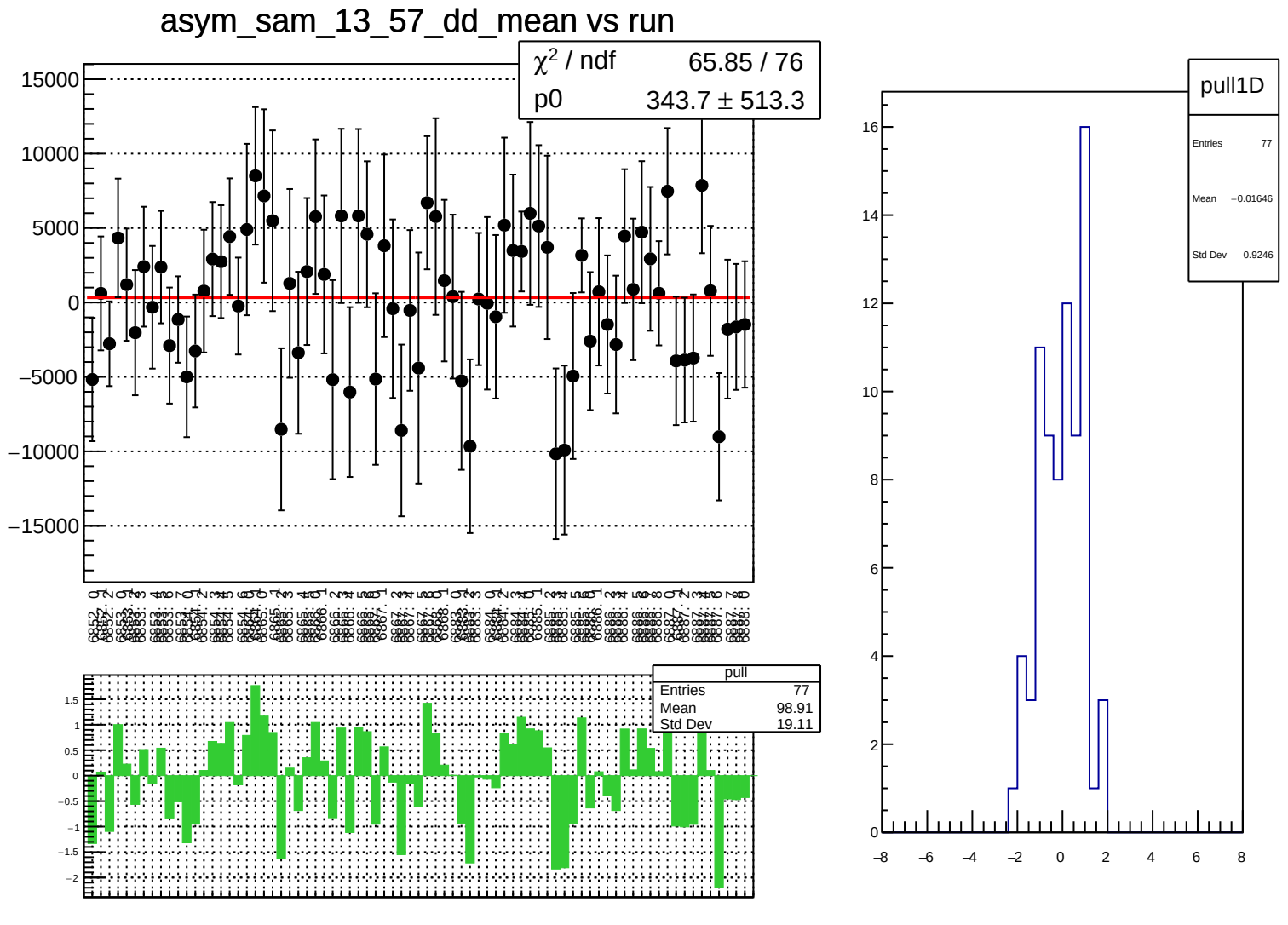

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.79 / 76
p0 −147 ± 66.3
2000
1000
0
−1000
−2000
pull
Entries 77
Mean −39.36
Std Dev 40.13
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.01148
Std Dev 0.9101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

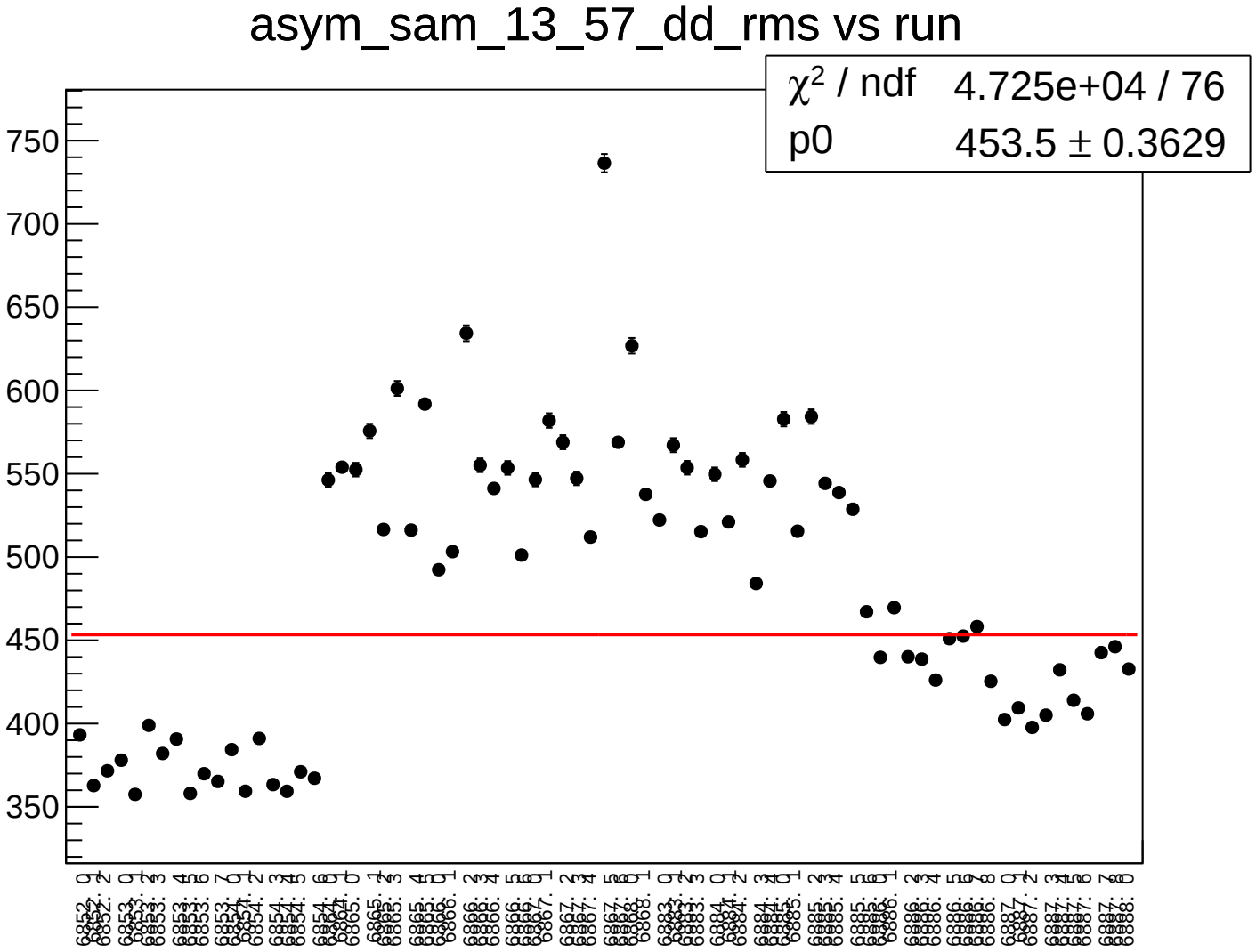
dit_asym_sam_13_57_dd_rms vs run

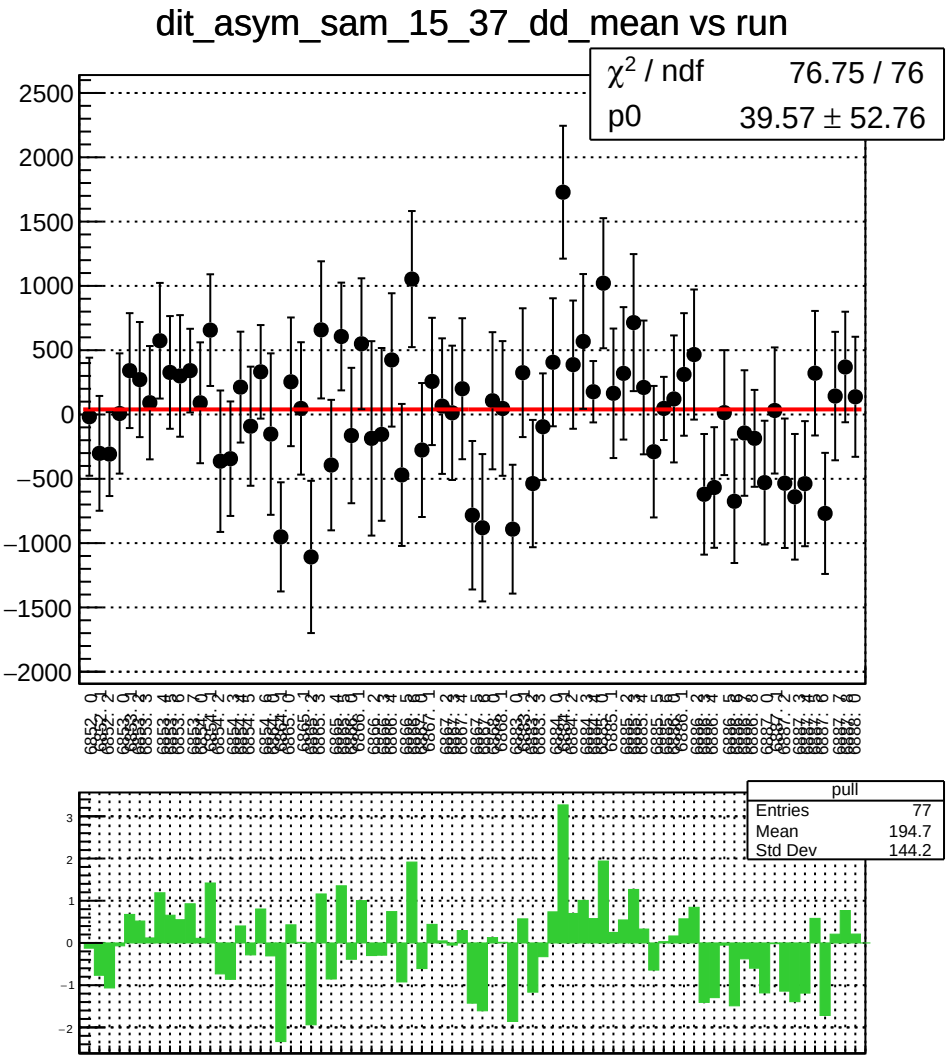


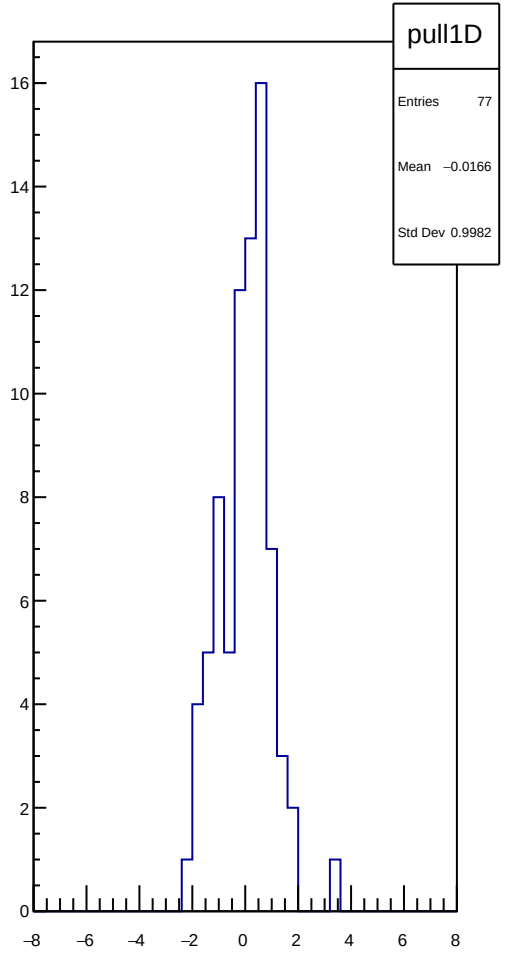

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 64.64 / 76
p0 −601.8 ± 529
pull
Entries 77
Mean 99.99
Std Dev 28.08
pull1D
Entries 77
Mean 0.02212
Std Dev 0.916


asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4.423e+04 / 76
p0 467.8 ± 0.3741
800
750
700
650
600
550
500
450
400
350

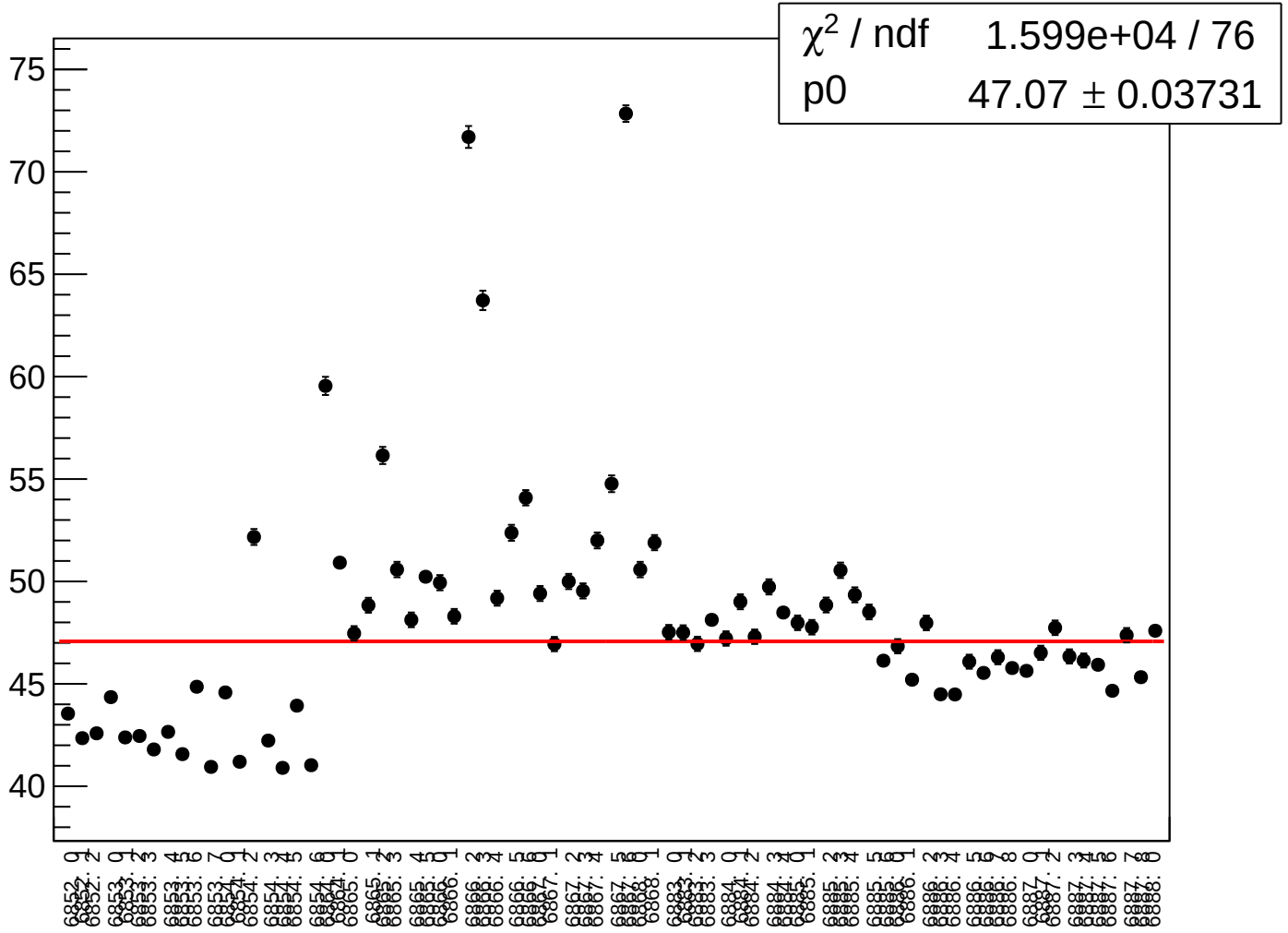

asym_sam_13_57_dd_mean vs run
χ² / ndf 65.85 / 76
p0 343.7 ± 513.3
pull
Entries 77
Mean 98.91
Std Dev 19.11
pull1D
Entries 77
Mean −0.01646
Std Dev 0.9246

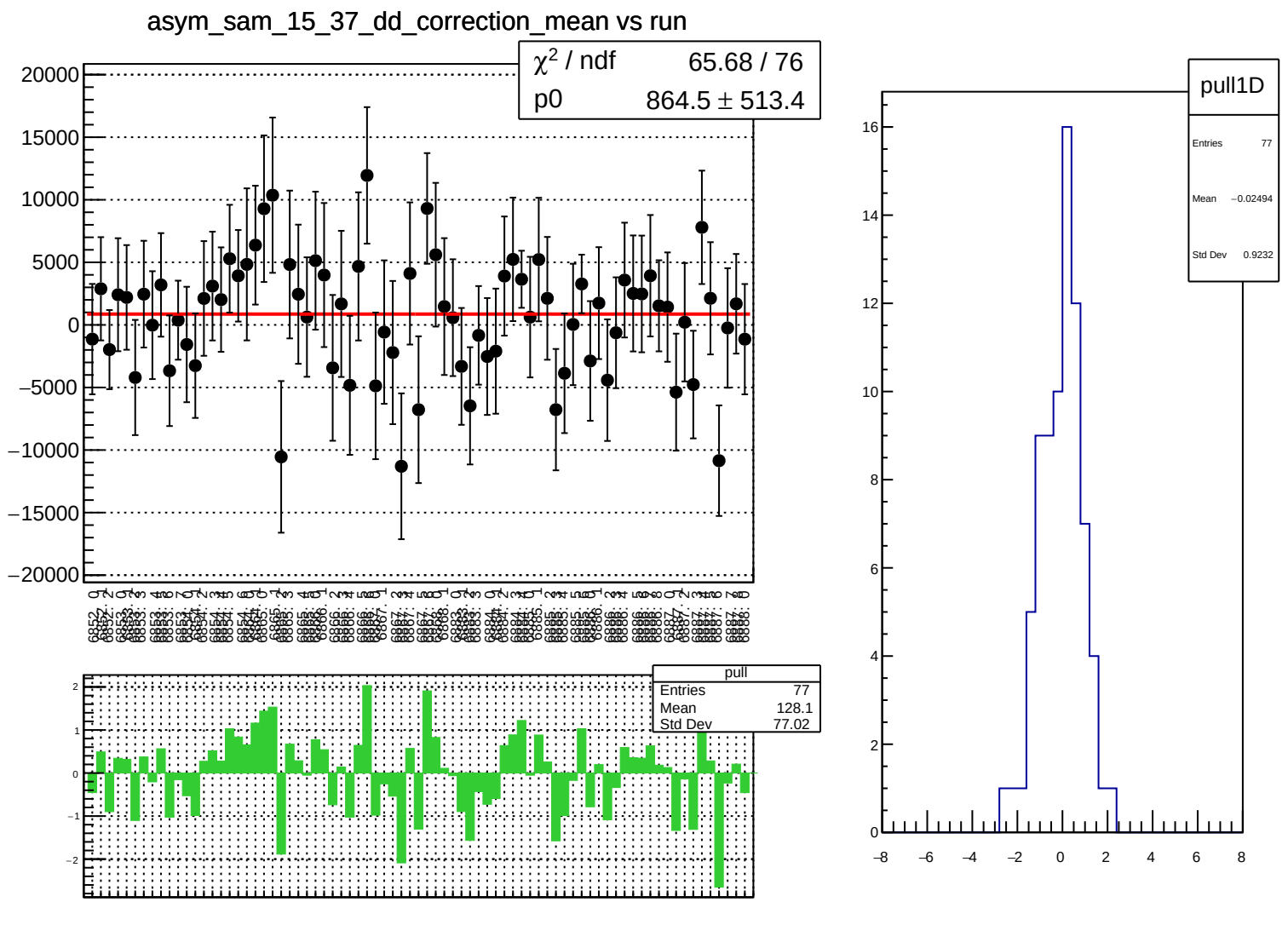

asym_sam_13_57_dd_rms vs run
χ² / ndf 4.725e+04 / 76
p0 453.5 ± 0.3629
750
700
650
600
550
500
450
400
350

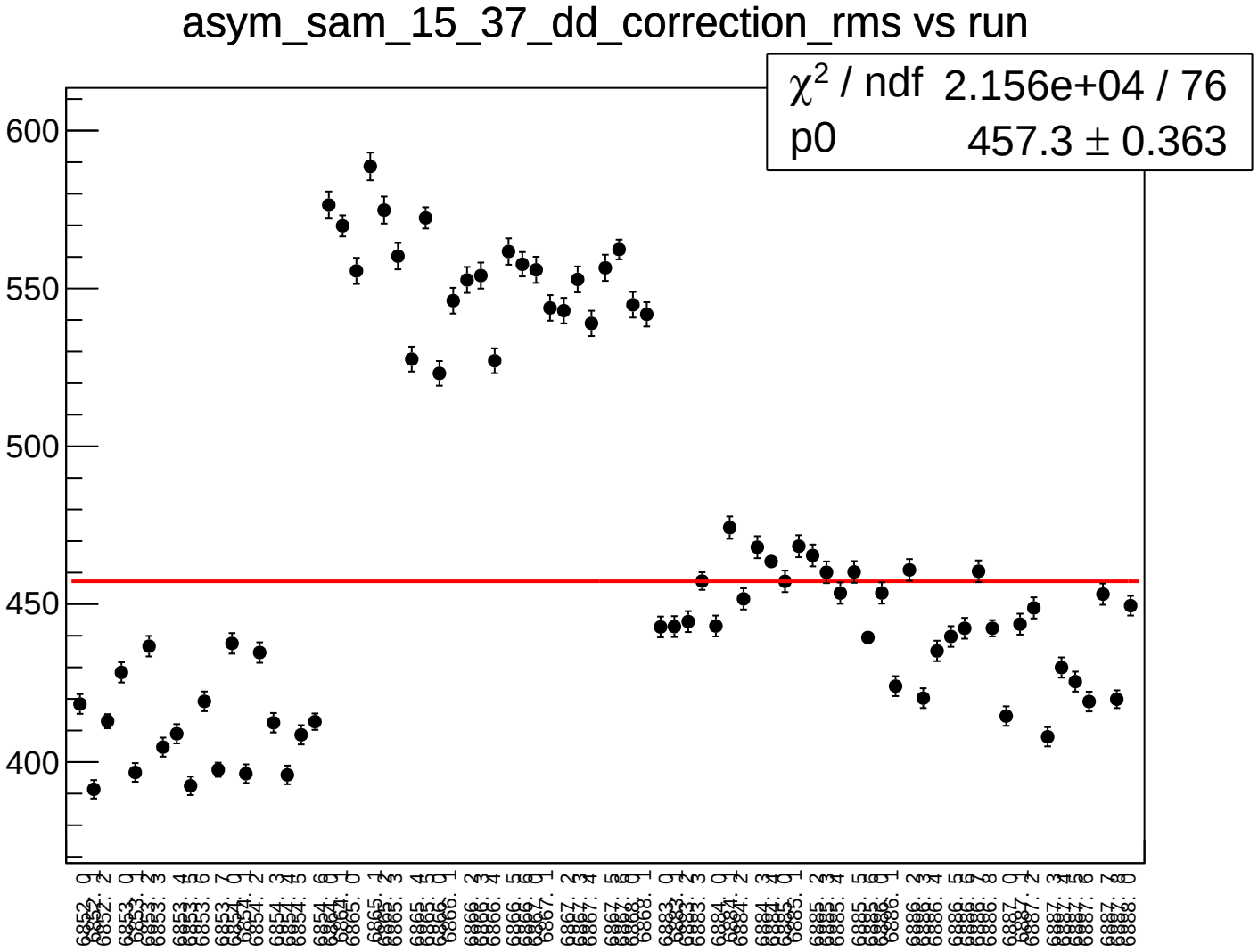

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 76.75 / 76
p0 39.57 ± 52.76
pull
Entries 77
Mean 194.7
Std Dev 144.2

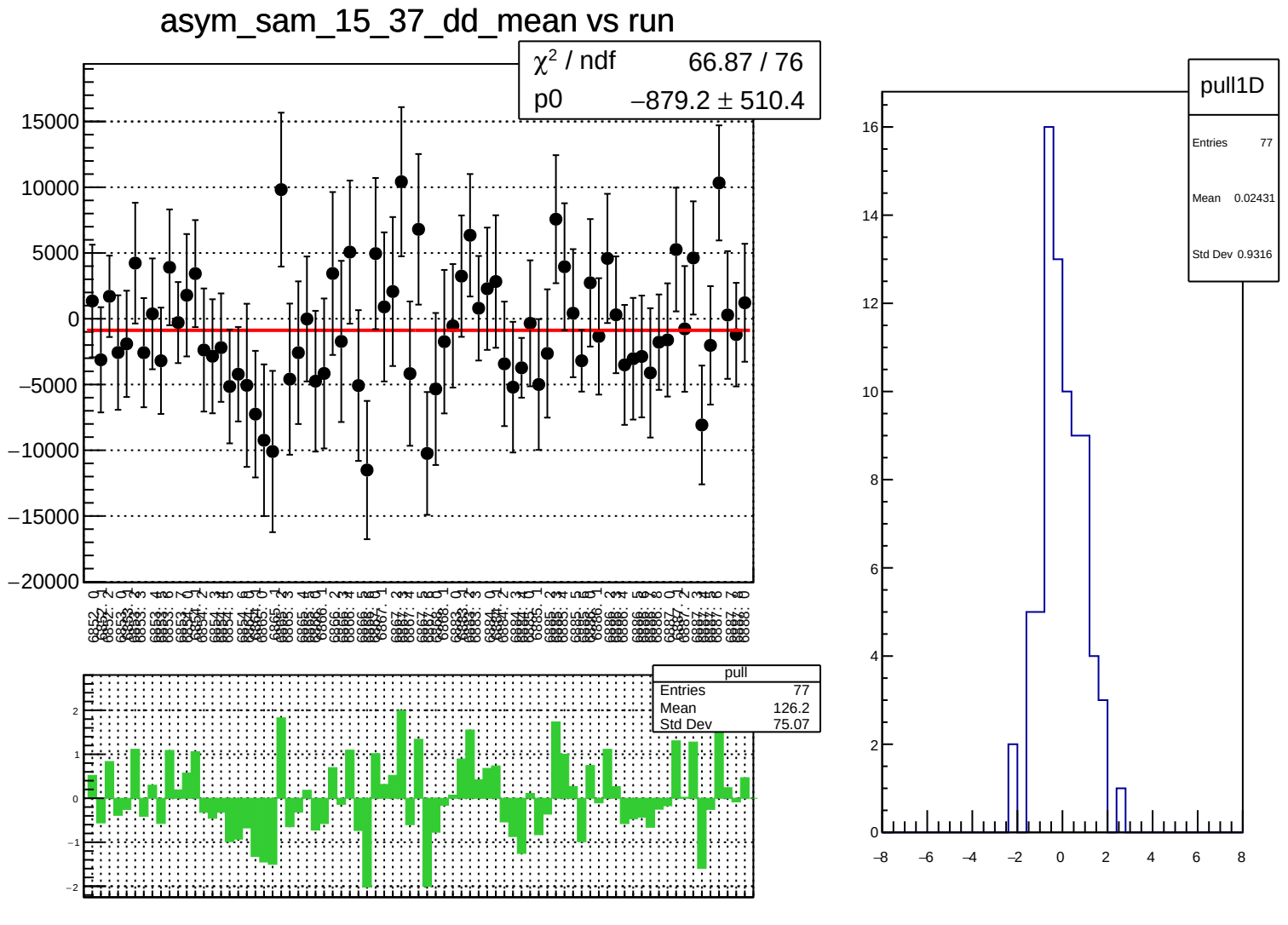

pull1D
Entries 77
Mean −0.0166
Std Dev 0.9982

dit_asym_sam_15_37_dd_rms vs run

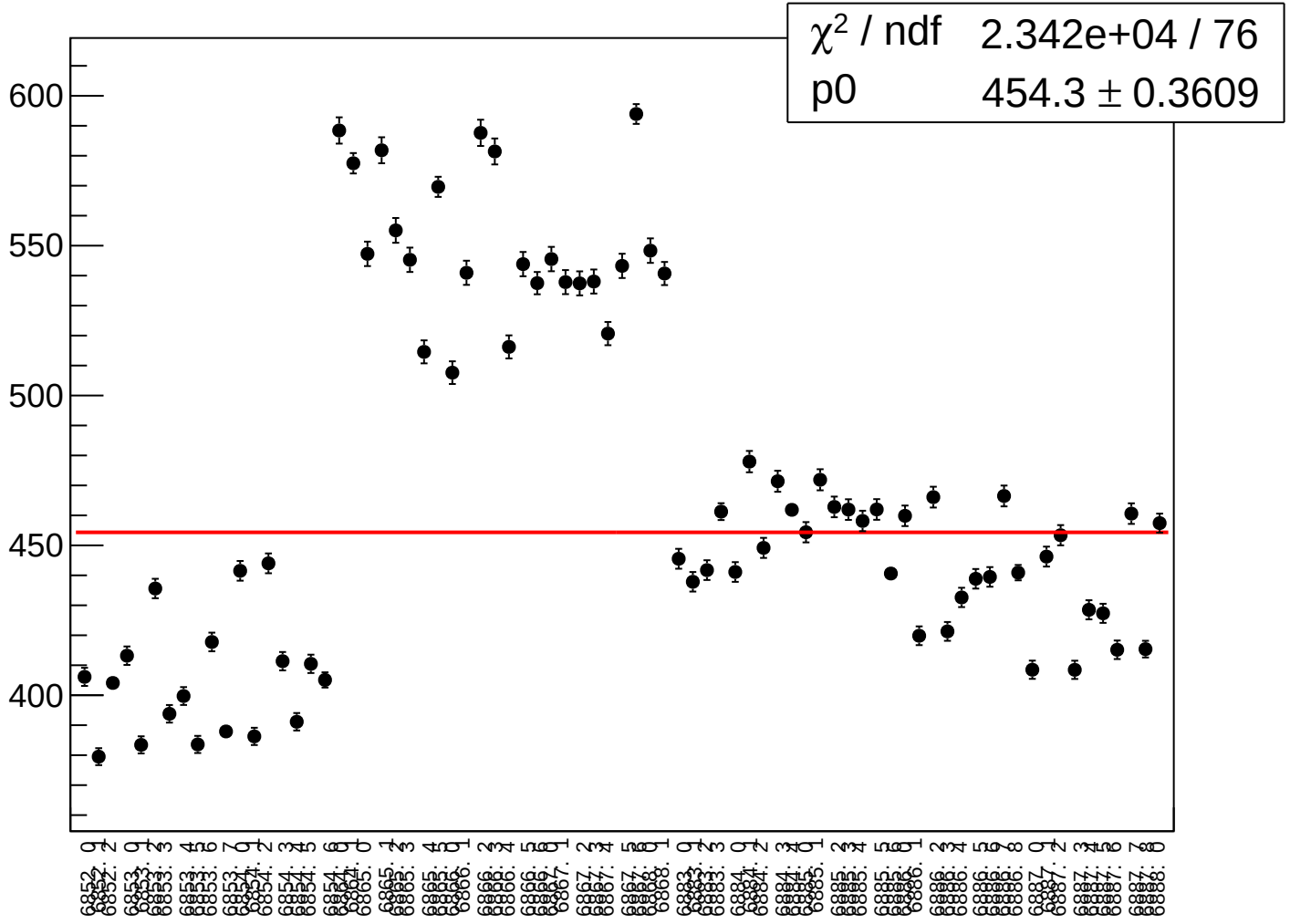


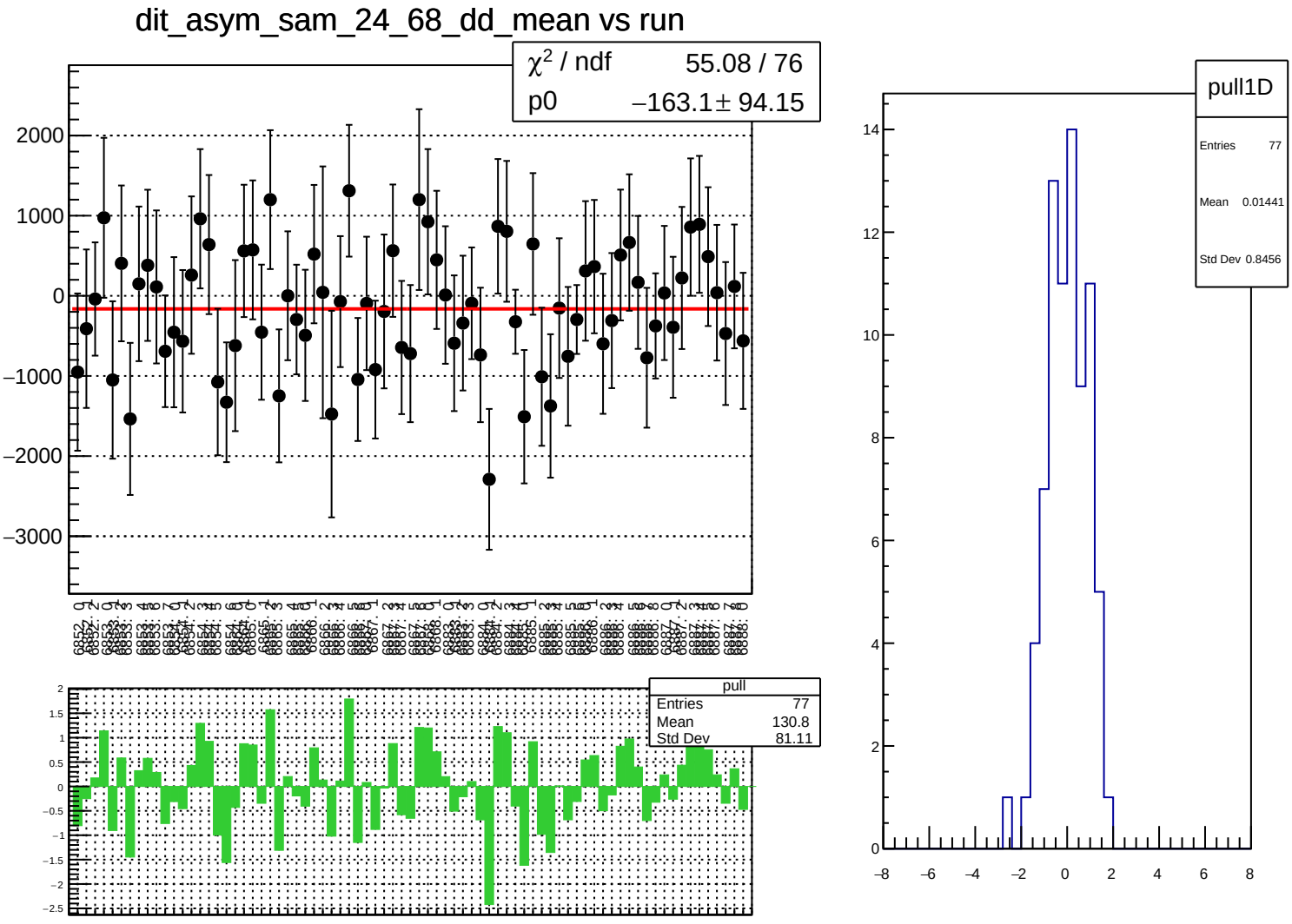

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 65.68 / 76
p0 864.5 ± 513.4
pull
Entries 77
Mean 128.1
Std Dev 77.02
pull1D
Entries 77
Mean −0.02494
Std Dev 0.9232


asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 2.156e+04 / 76
p0 457.3 ± 0.363
600
550
500
450
400

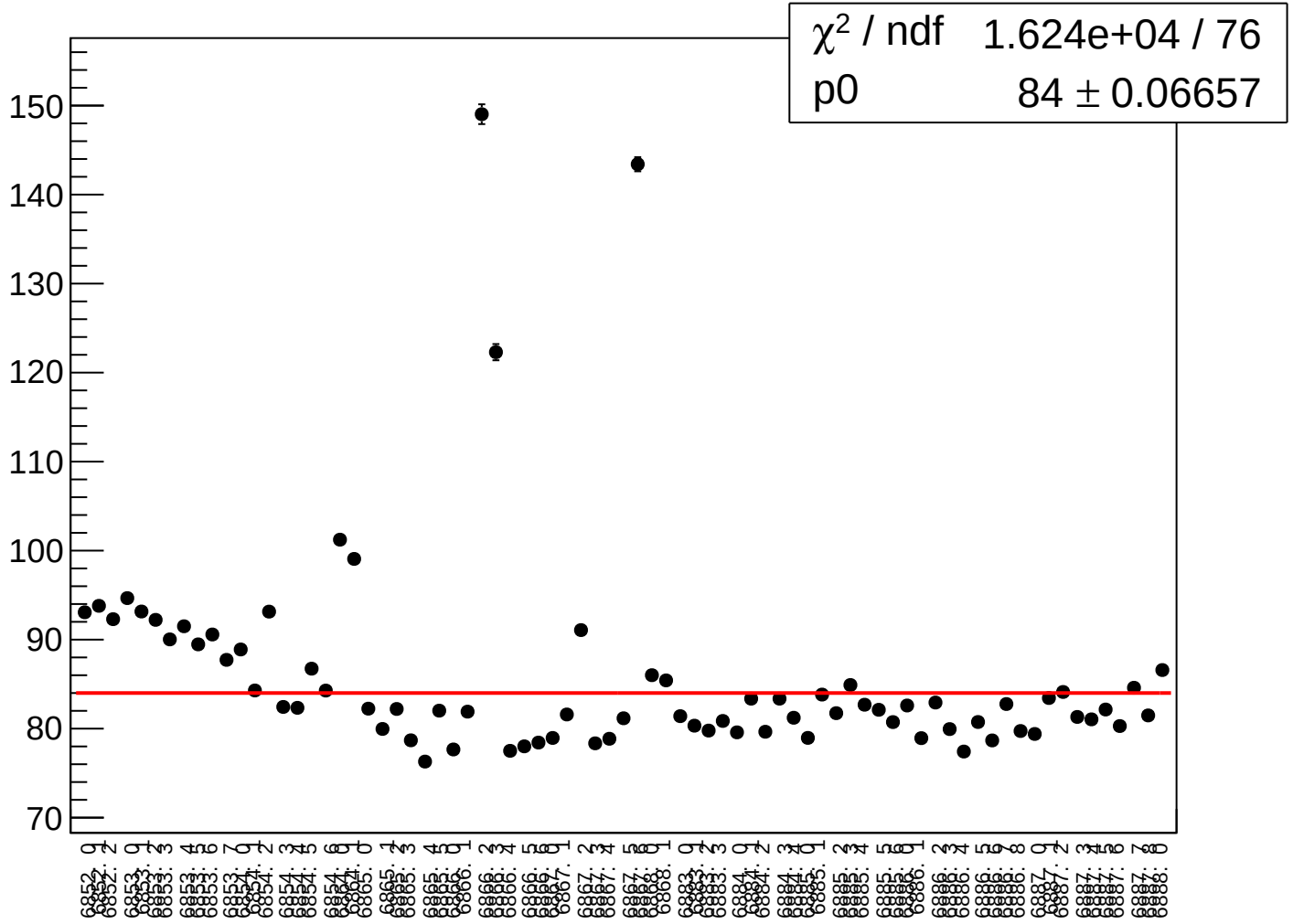

asym_sam_15_37_dd_mean vs run
χ² / ndf 66.87 / 76
p0 −879.2 ± 510.4
pull
Entries 77
Mean 126.2
Std Dev 75.07
pull1D
Entries 77
Mean 0.02431
Std Dev 0.9316

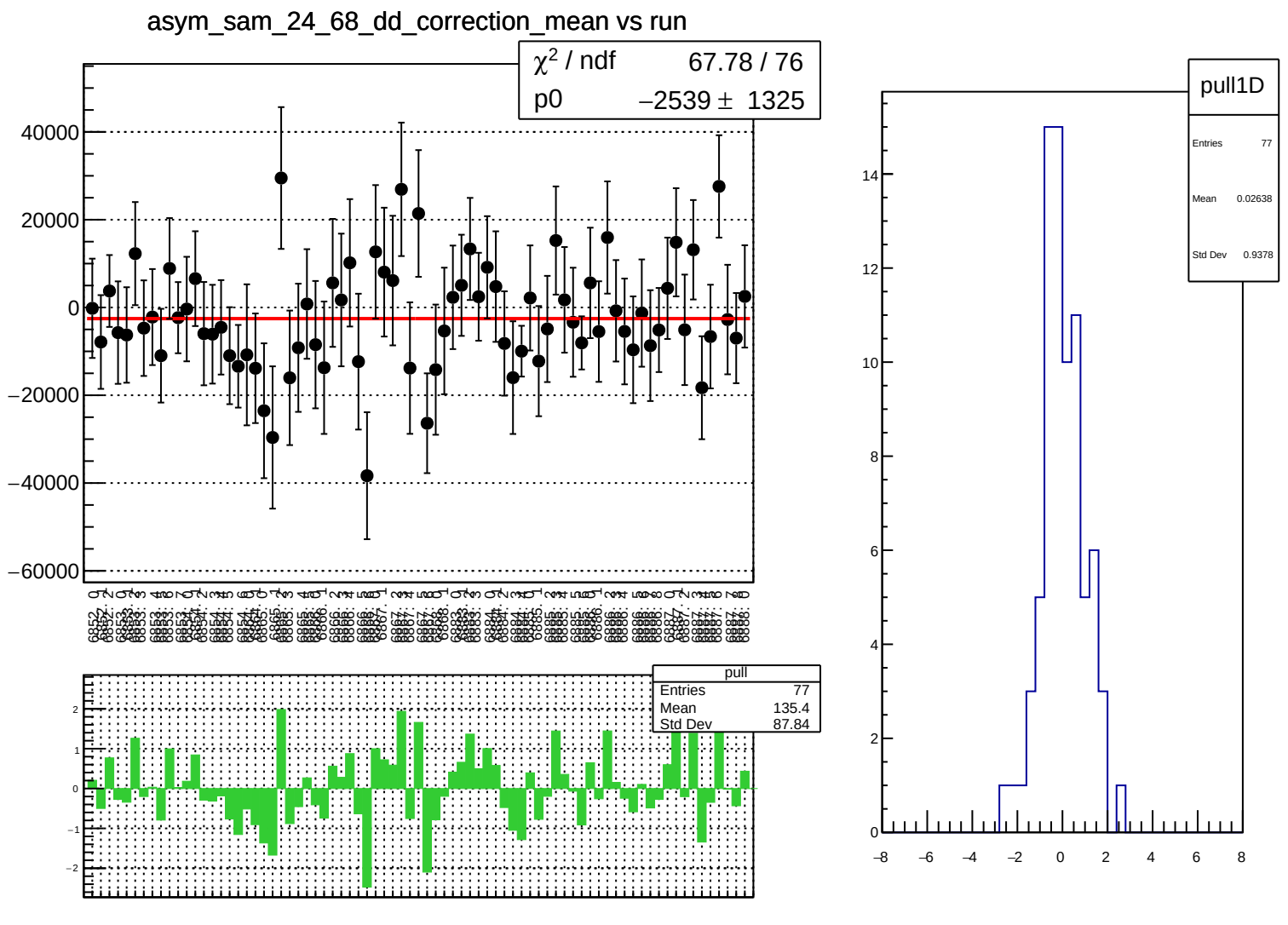
asym_sam_15_37_dd_rms vs run

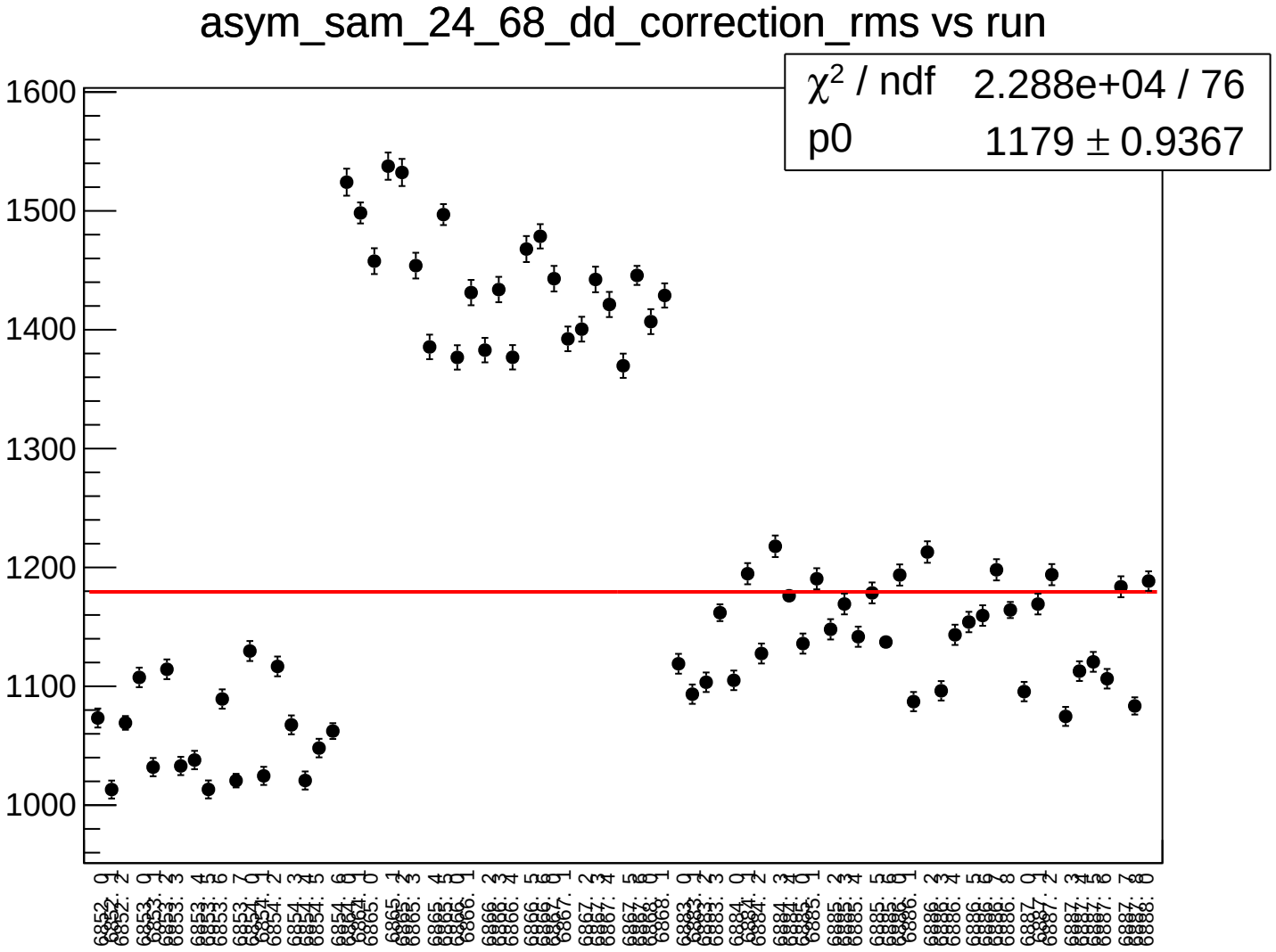


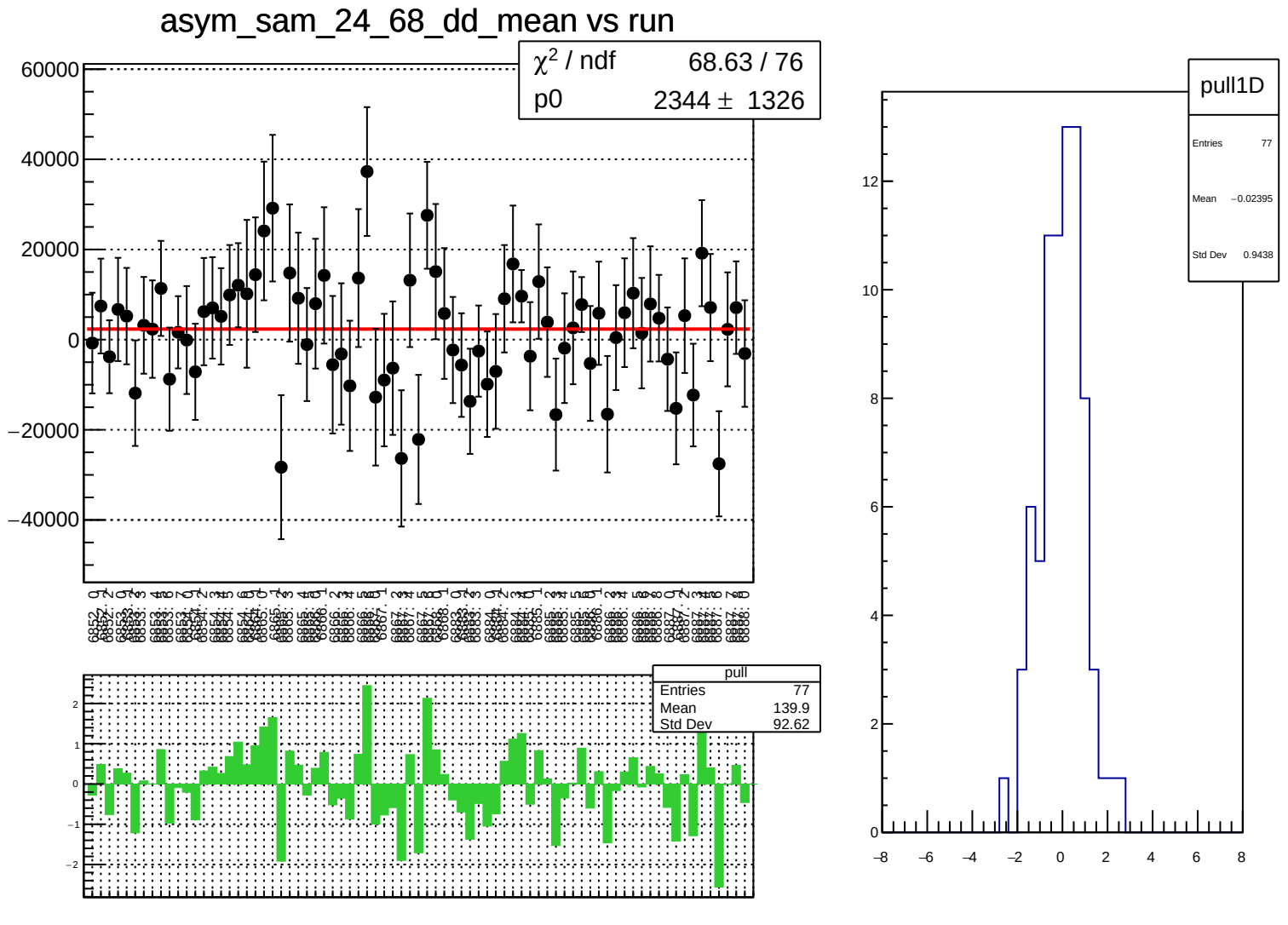

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 55.08 / 76
p0 −163.1 ± 94.15
pull
Entries 77
Mean 130.8
Std Dev 81.11
pull1D
Entries 77
Mean 0.01441
Std Dev 0.8456

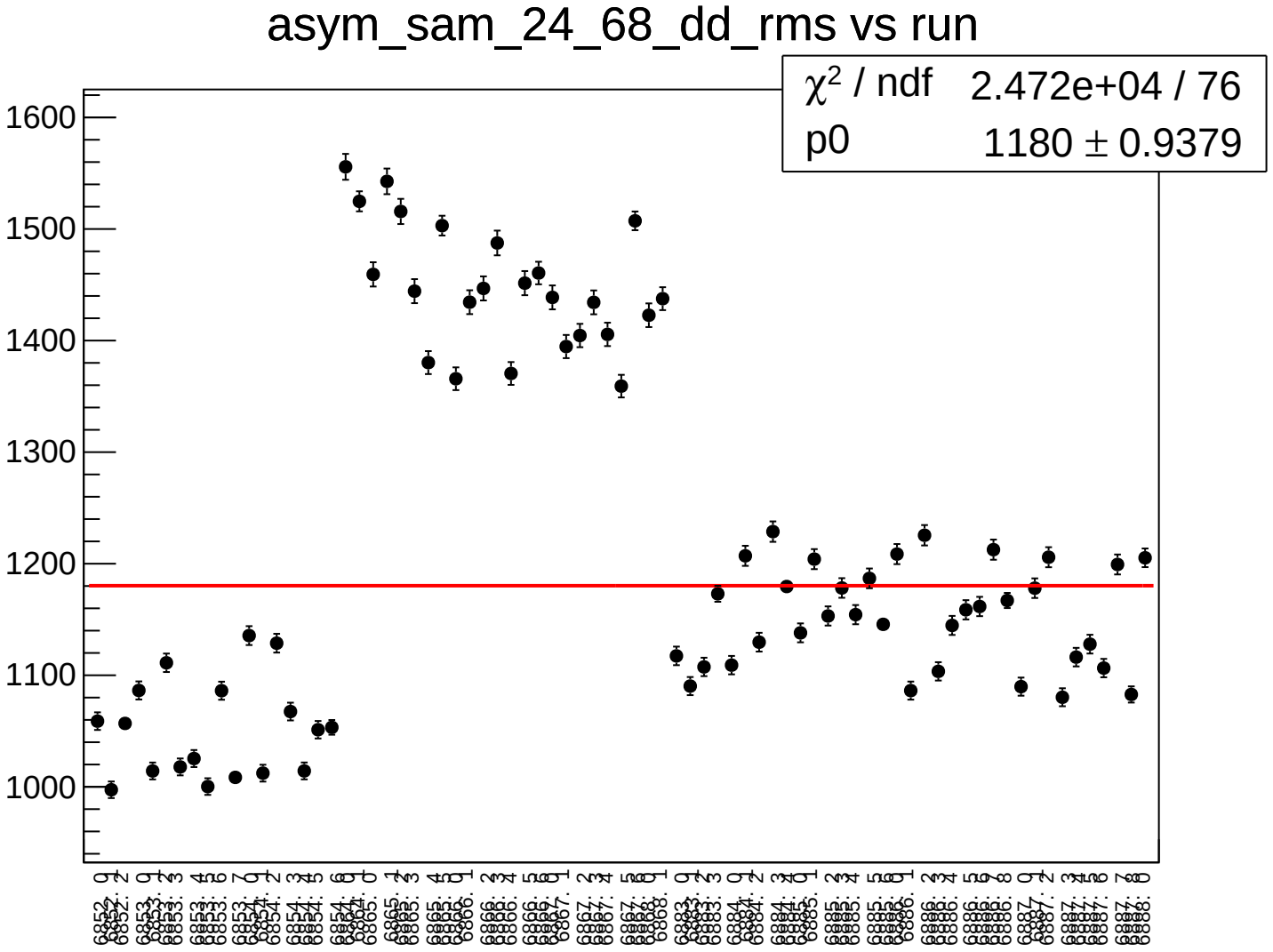
dit_asym_sam_24_68_dd_rms vs run

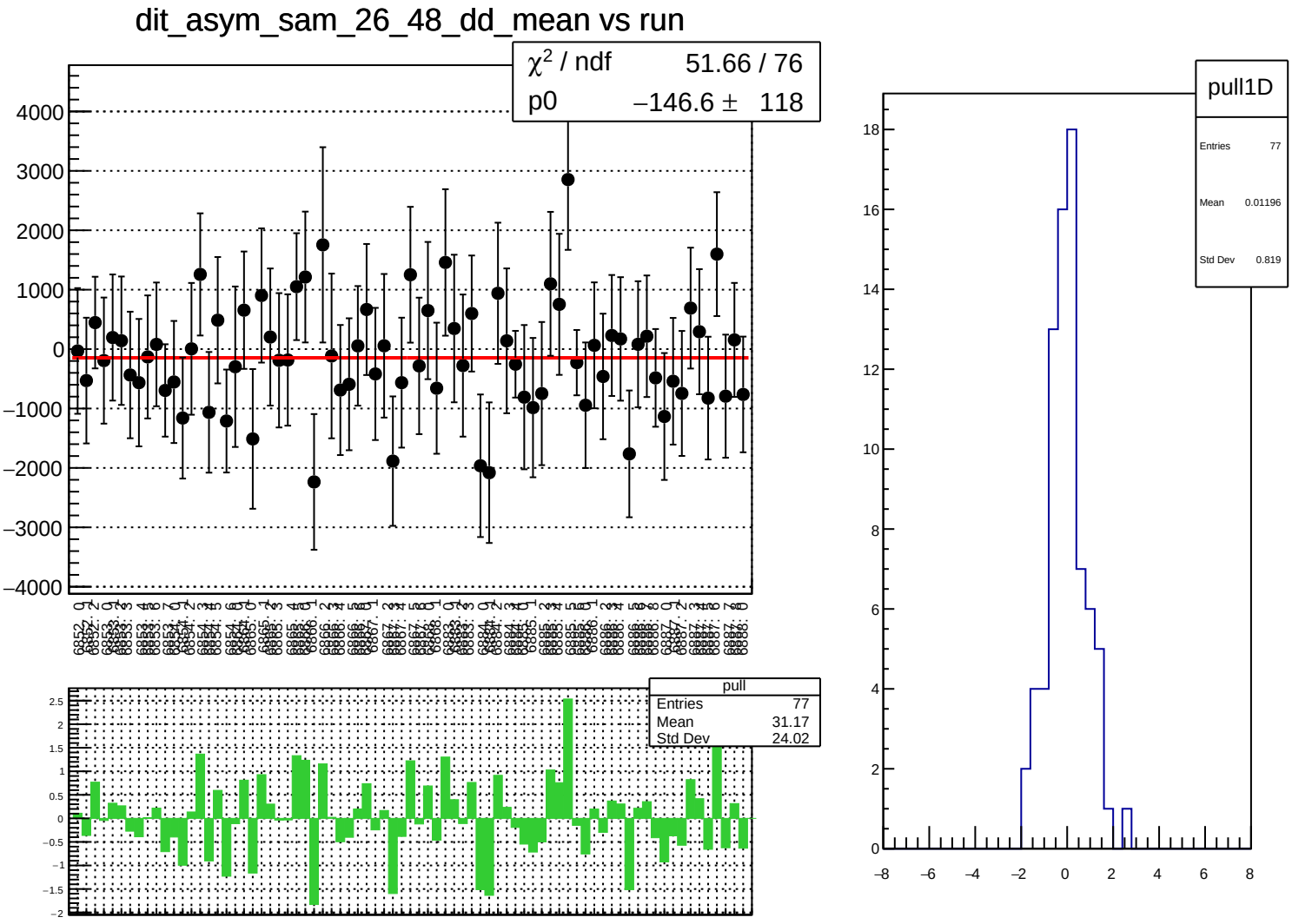



asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 67.78 / 76
p0 −2539 ± 1325
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 135.4
Std Dev 87.84
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02638
Std Dev 0.9378
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

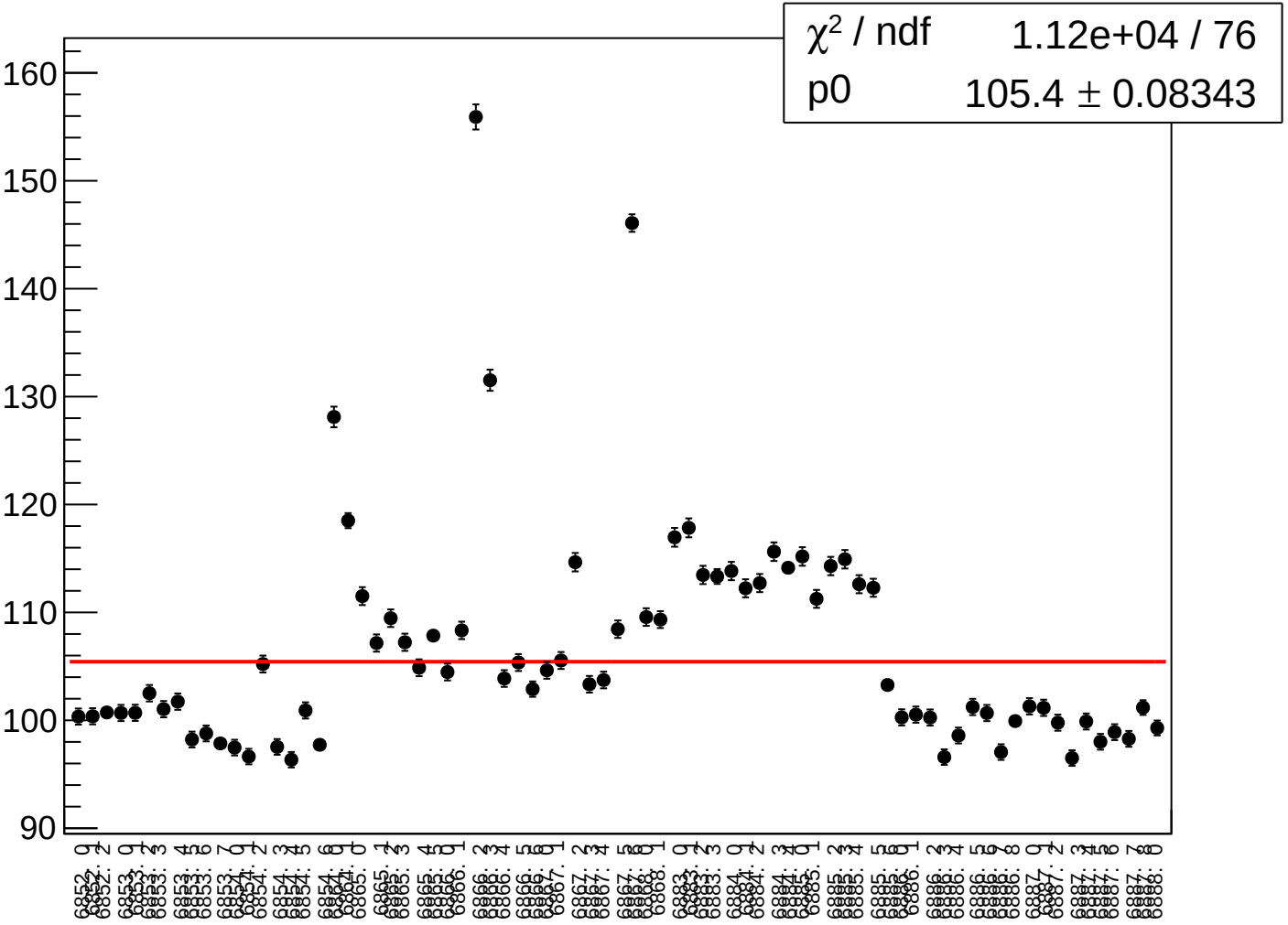

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 2.288e+04 / 76
p0 1179 ± 0.9367
1600
1500
1400
1300
1200
1100
1000

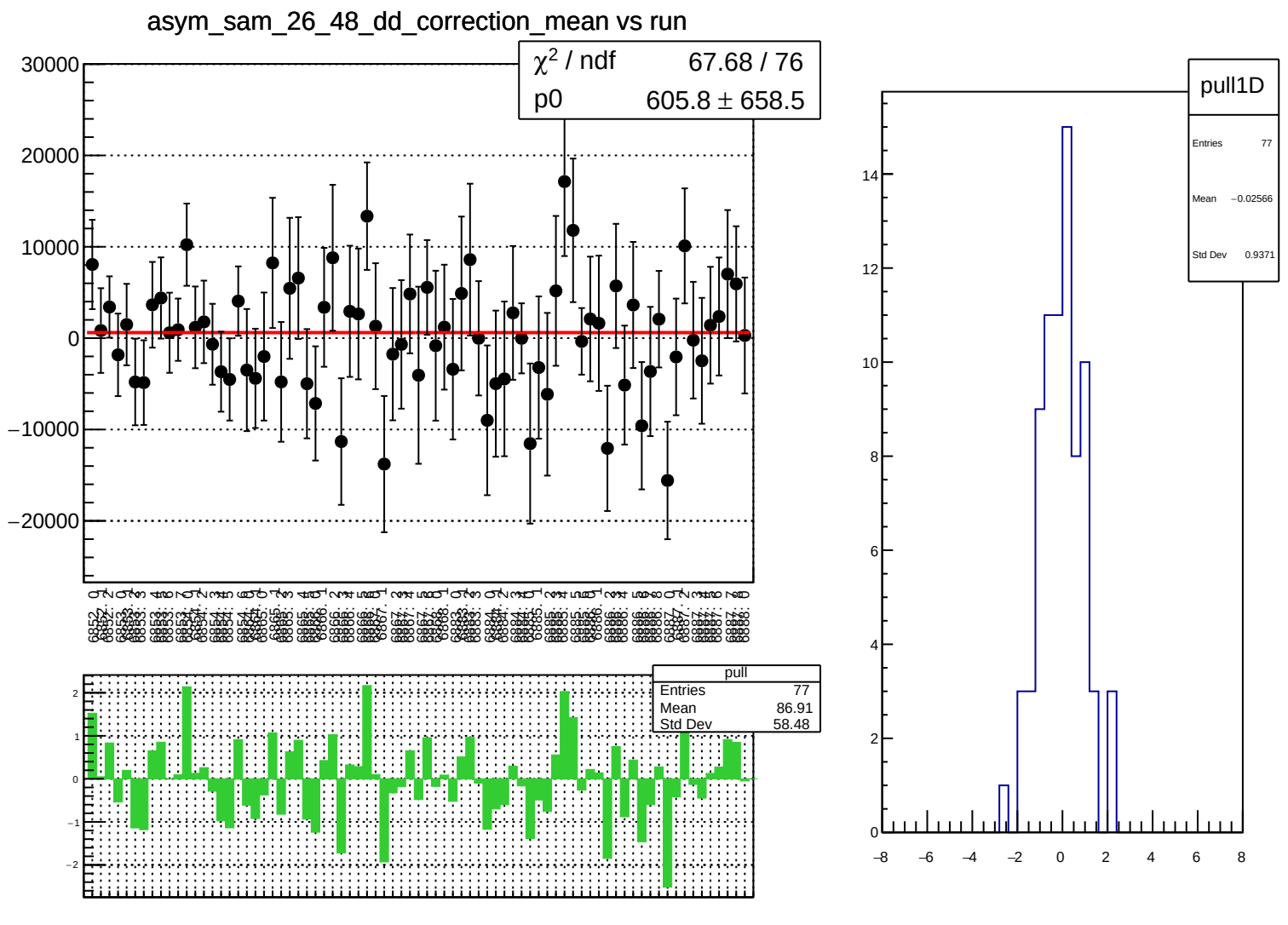

asym_sam_24_68_dd_mean vs run
χ² / ndf 68.63 / 76
p0 2344 ± 1326
60000
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 139.9
Std Dev 92.62
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.02395
Std Dev 0.9438
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2.472e+04 / 76
p0 1180 ± 0.9379
1600
1500
1400
1300
1200
1100
1000

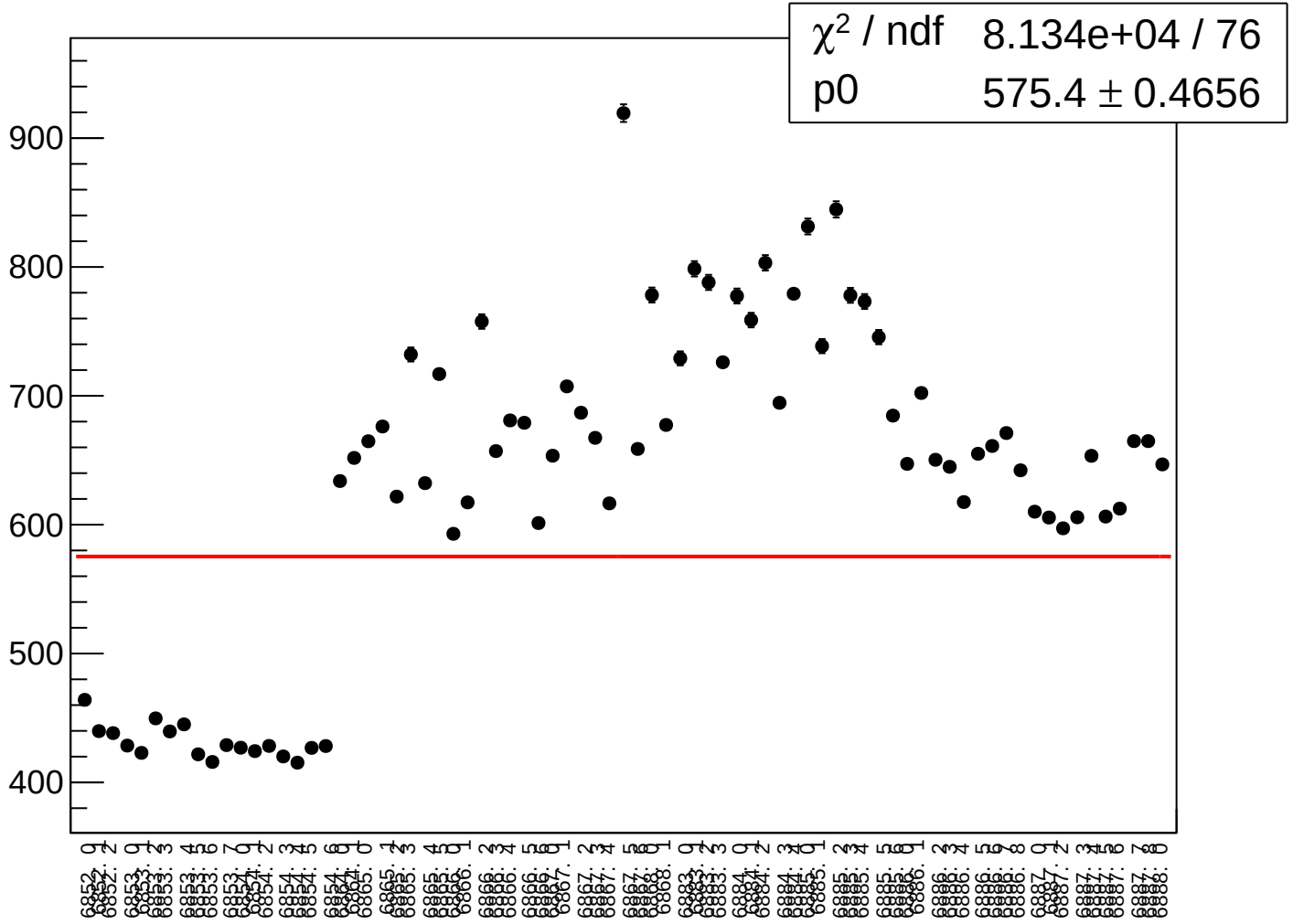

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 51.66 / 76
p0 −146.6 ± 118
pull
Entries 77
Mean 31.17
Std Dev 24.02
pull1D
Entries 77
Mean 0.01196
Std Dev 0.819

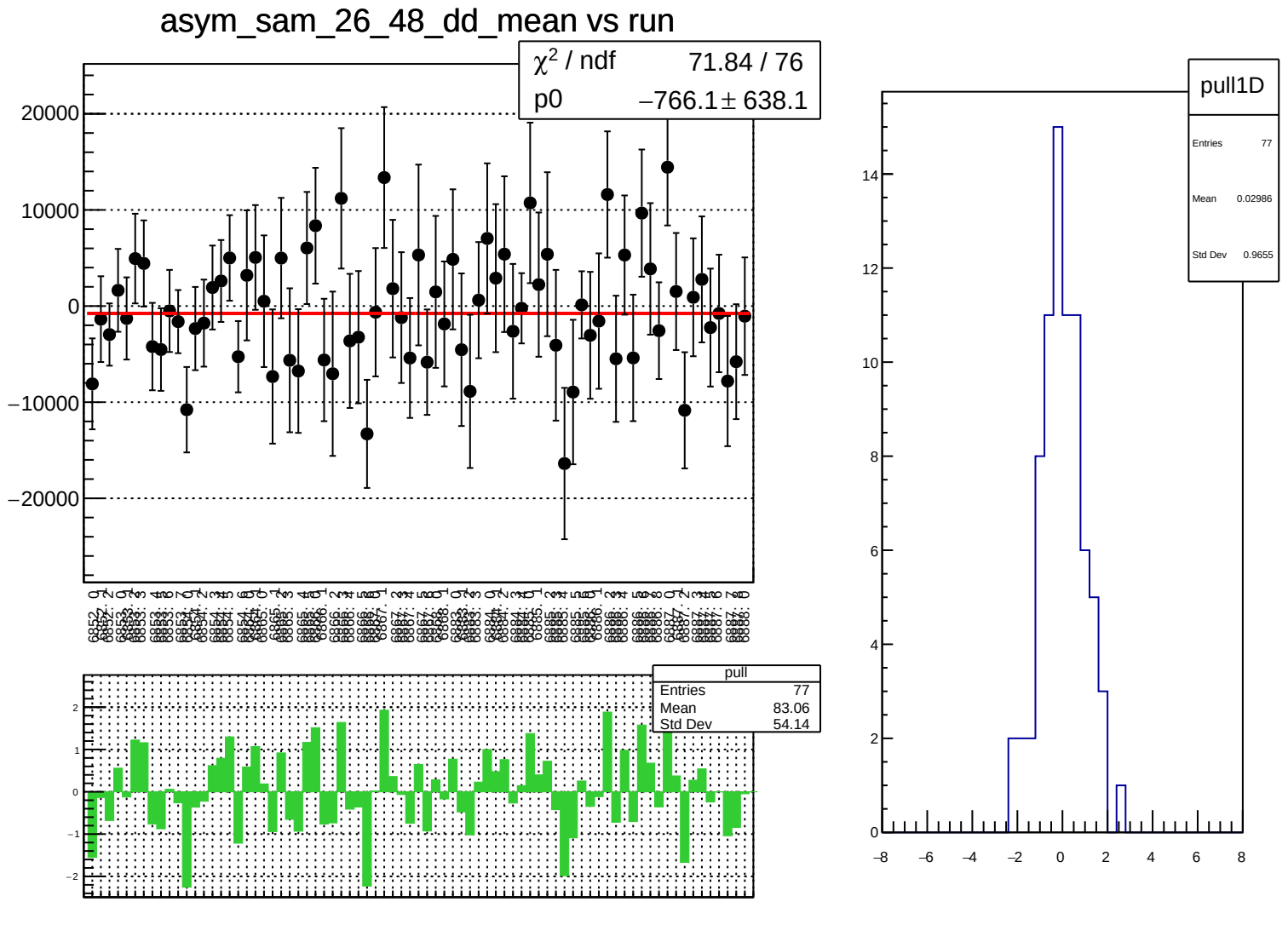
dit_asym_sam_26_48_dd_rms vs run

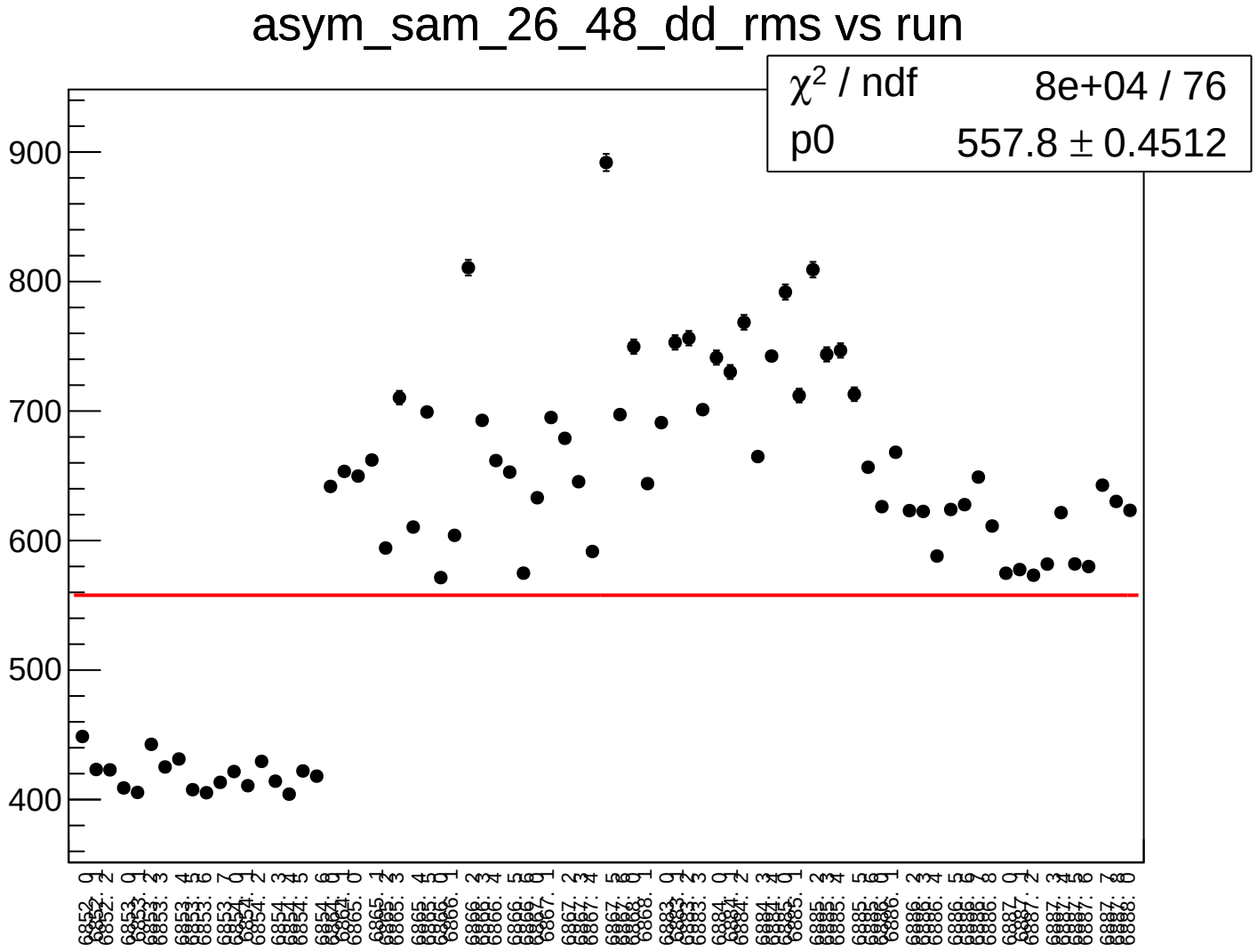


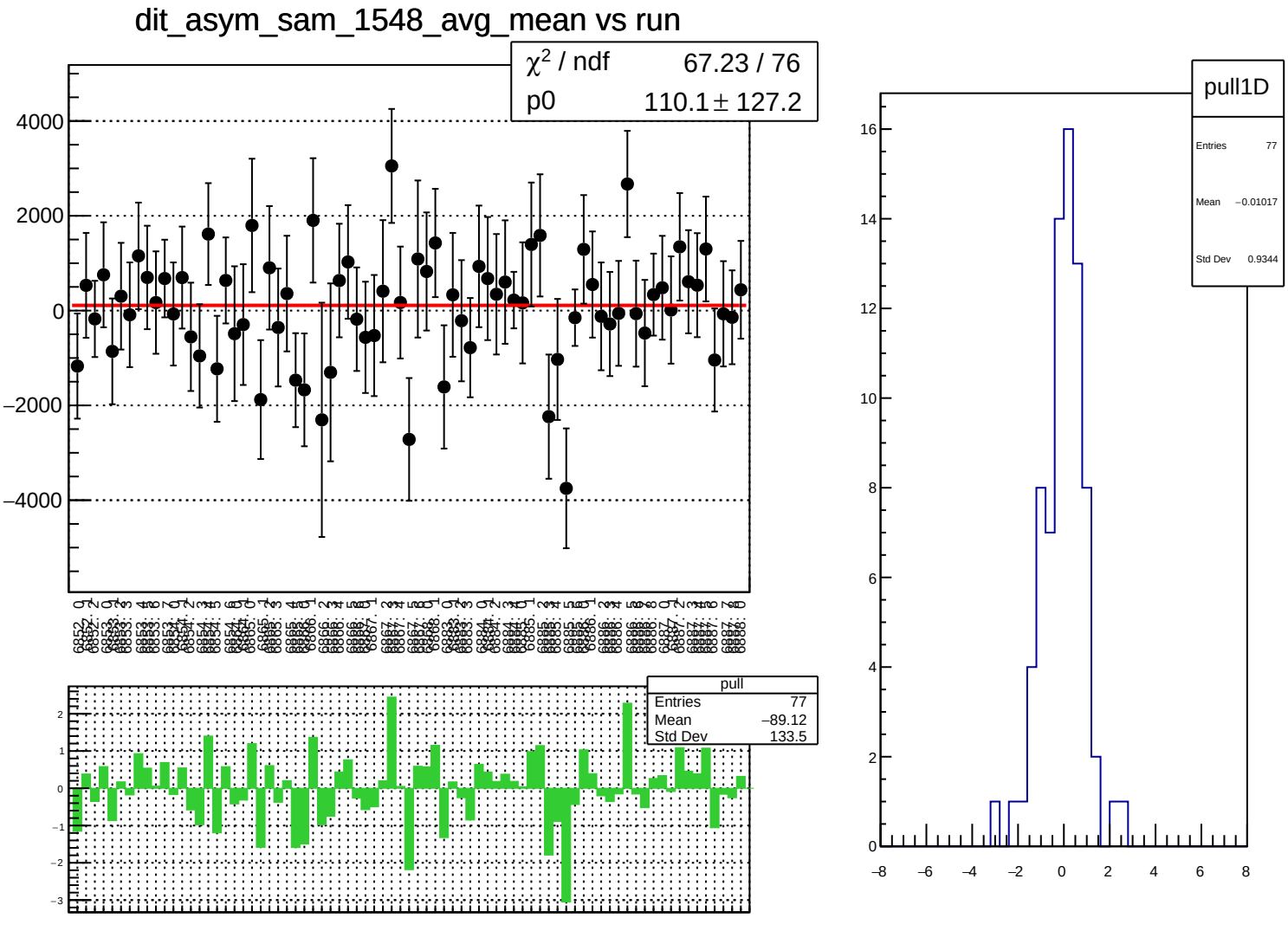

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 67.68 / 76
p0 605.8 ± 658.5
pull
Entries 77
Mean 86.91
Std Dev 58.48
pull1D
Entries 77
Mean −0.02566
Std Dev 0.9371

asym_sam_26_48_dd_correction_rms vs run

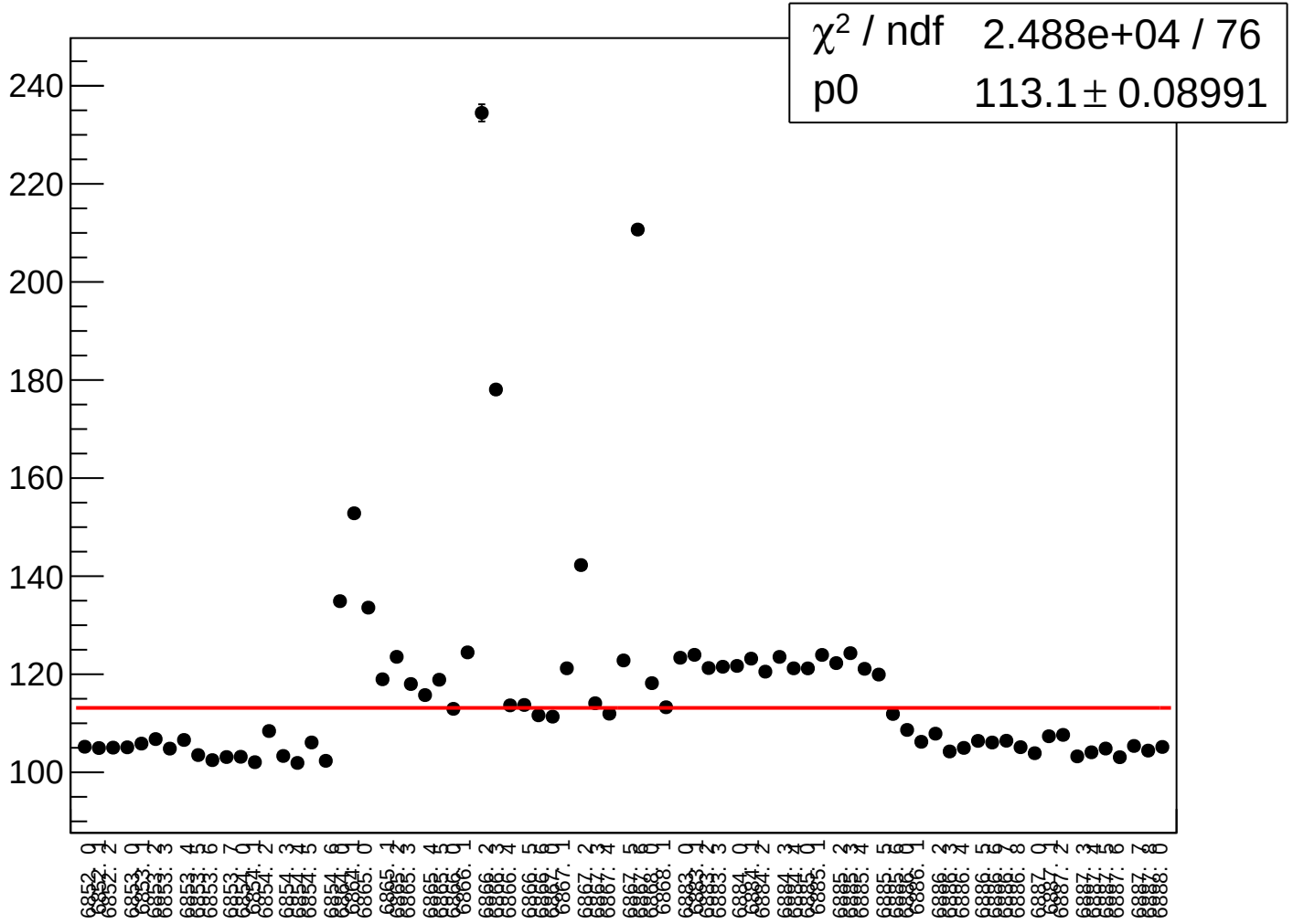


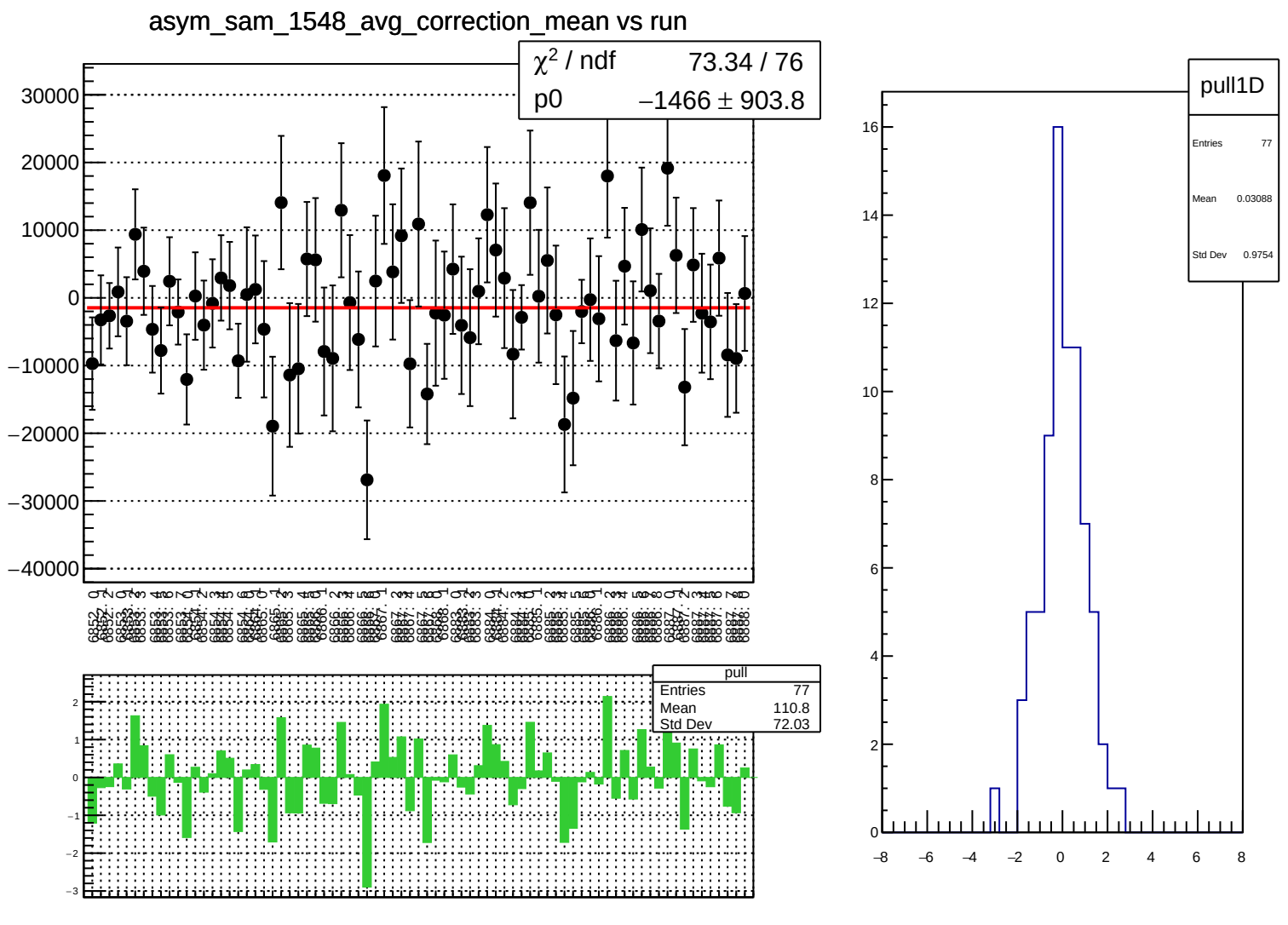

asym_sam_26_48_dd_mean vs run
χ² / ndf 71.84 / 76
p0 −766.1 ± 638.1
20000
10000
0
−10000
−20000
pull
Entries 77
Mean 83.06
Std Dev 54.14
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02986
Std Dev 0.9655
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

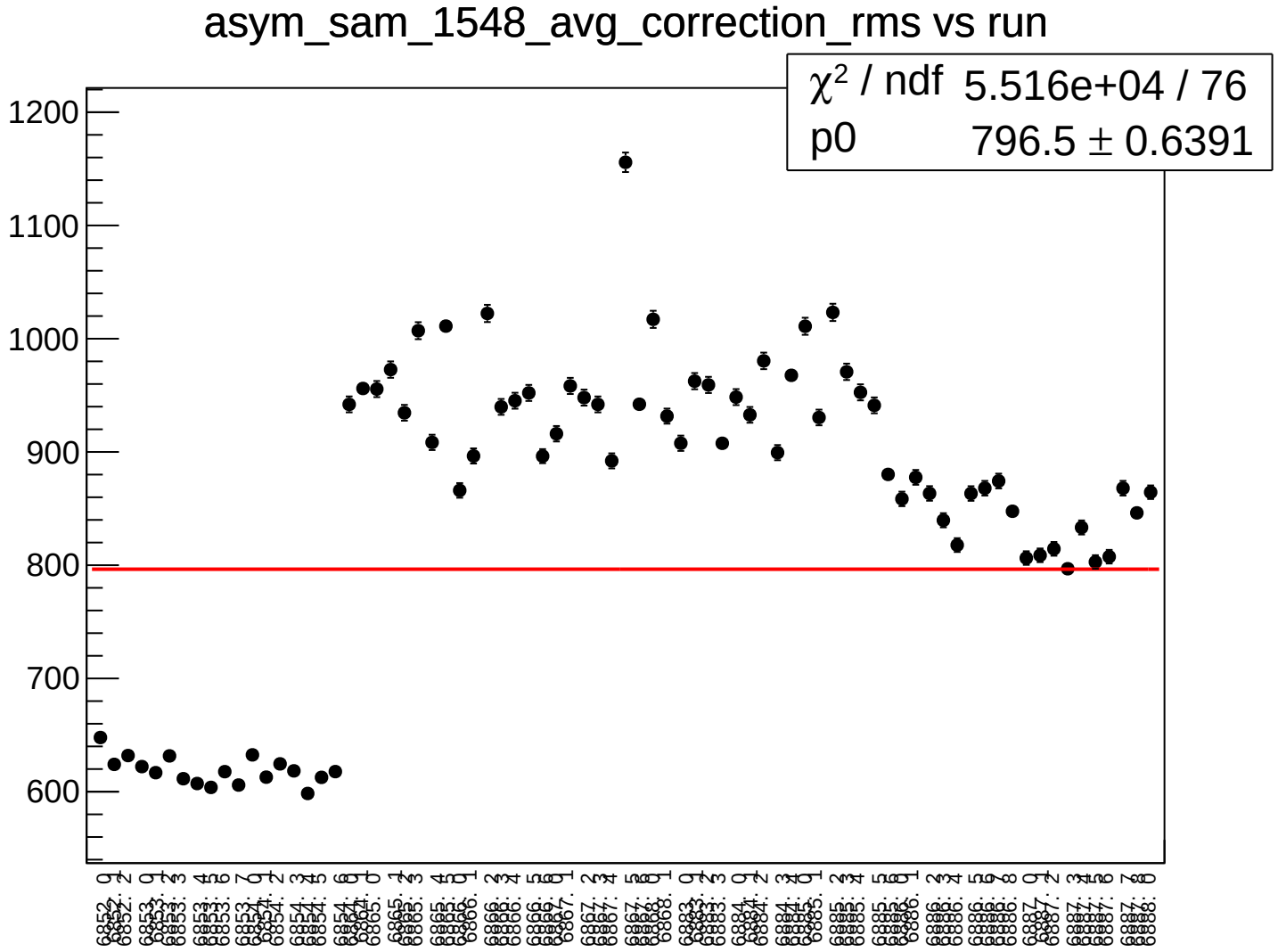

asym_sam_26_48_dd_rms vs run
χ² / ndf 8e+04 / 76
p0 557.8 ± 0.4512
900
800
700
600
500
400

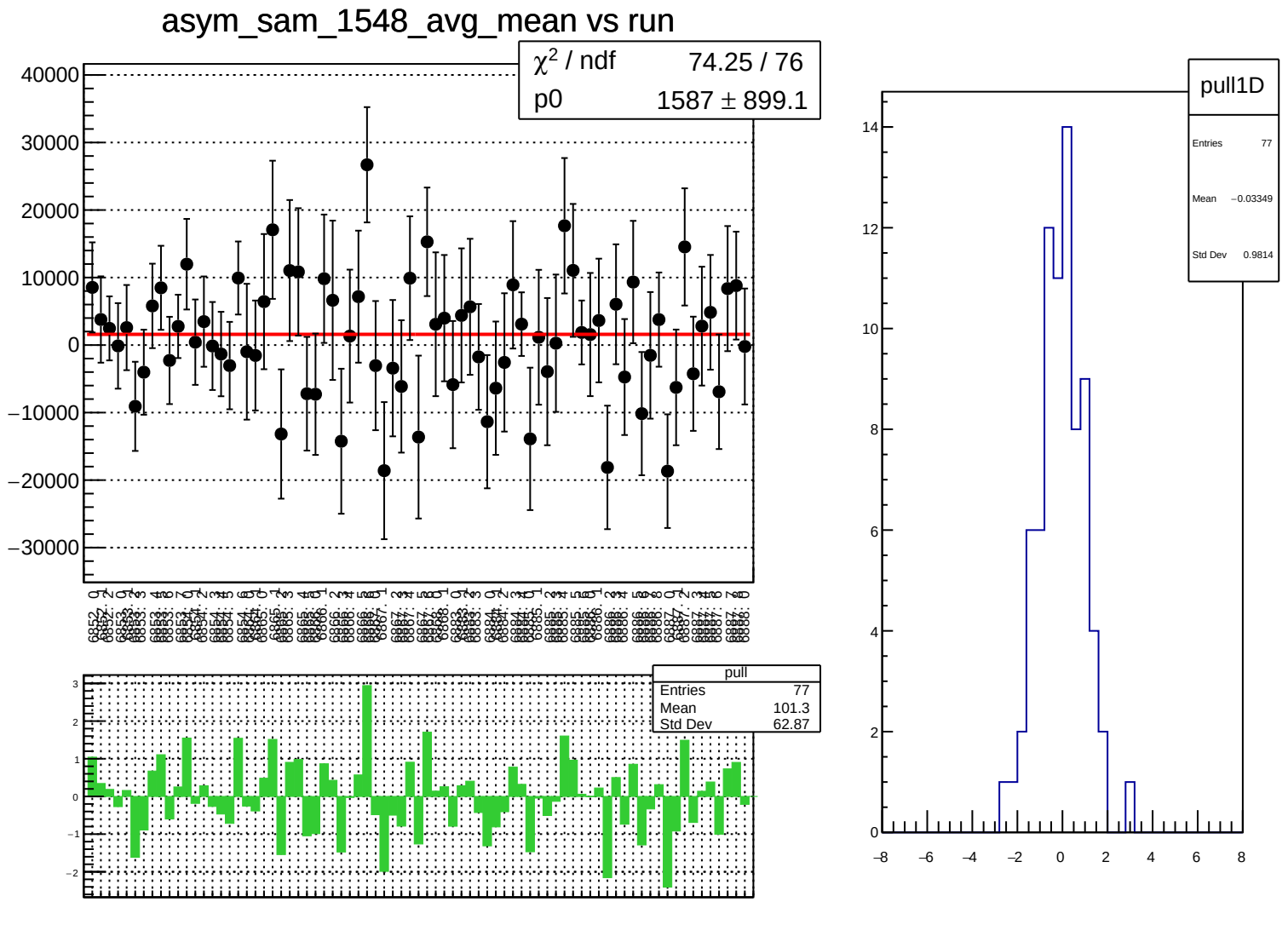

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 67.23 / 76
p0 110.1 ± 127.2
4000
2000
0
−2000
−4000
pull
Entries 77
Mean −89.12
Std Dev 133.5
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean −0.01017
Std Dev 0.9344
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

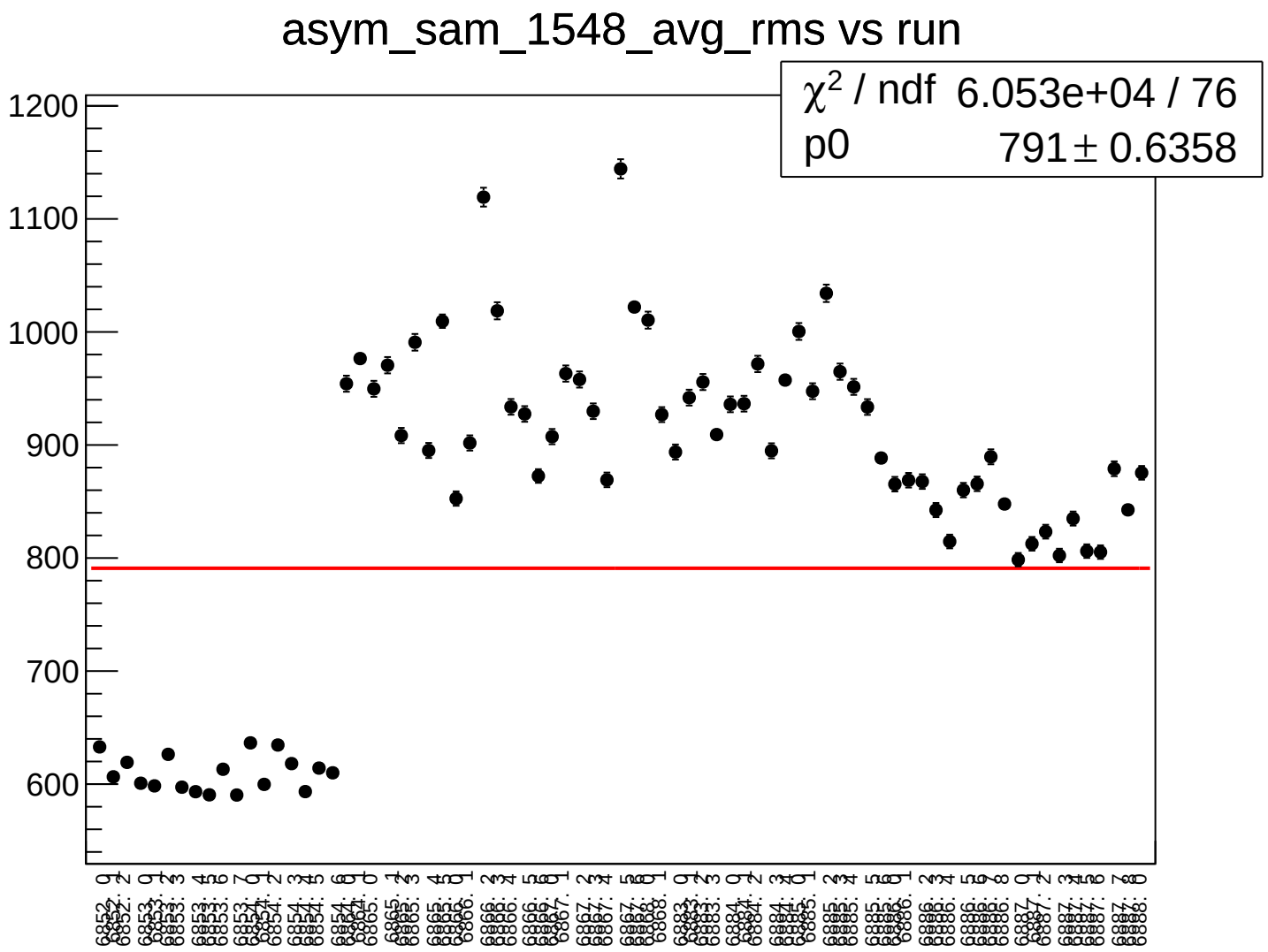
dit_asym_sam_1548_avg_rms vs run

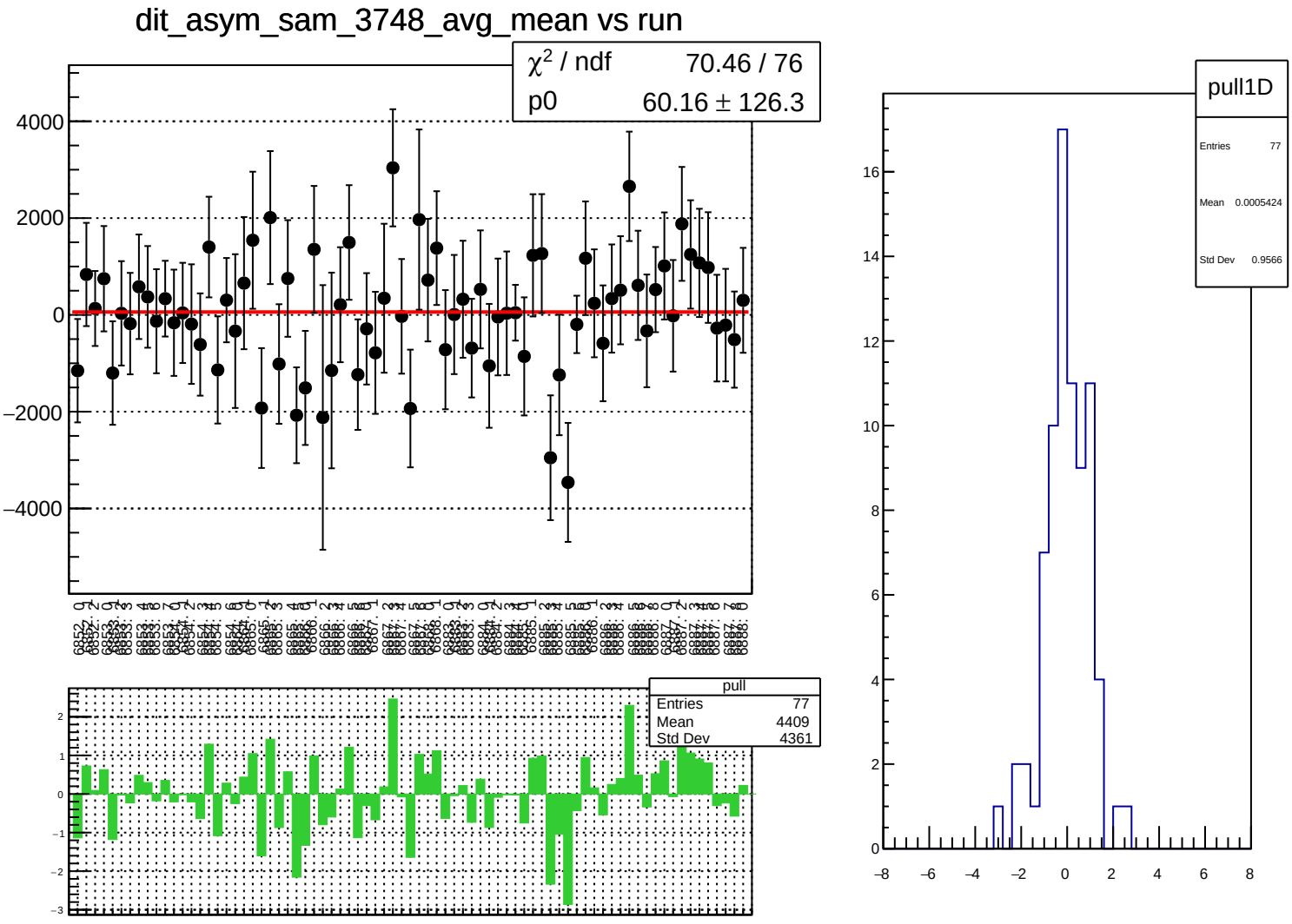



asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 73.34 / 76
p0 −1466 ± 903.8
pull
Entries 77
Mean 110.8
Std Dev 72.03
pull1D
Entries 77
Mean 0.03088
Std Dev 0.9754

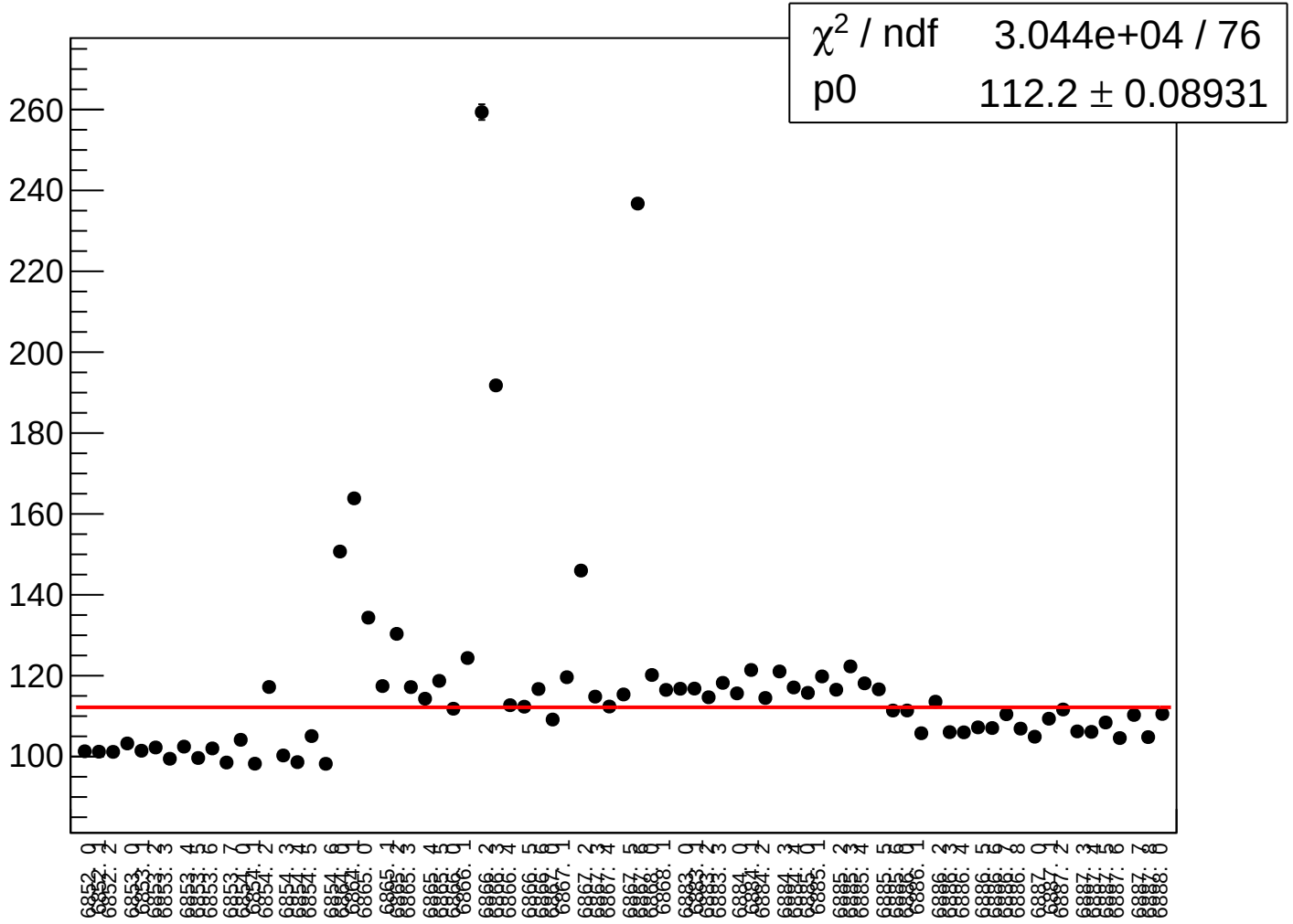

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 5.516e+04 / 76
p0 796.5 ± 0.6391
1200
1100
1000
900
800
700
600

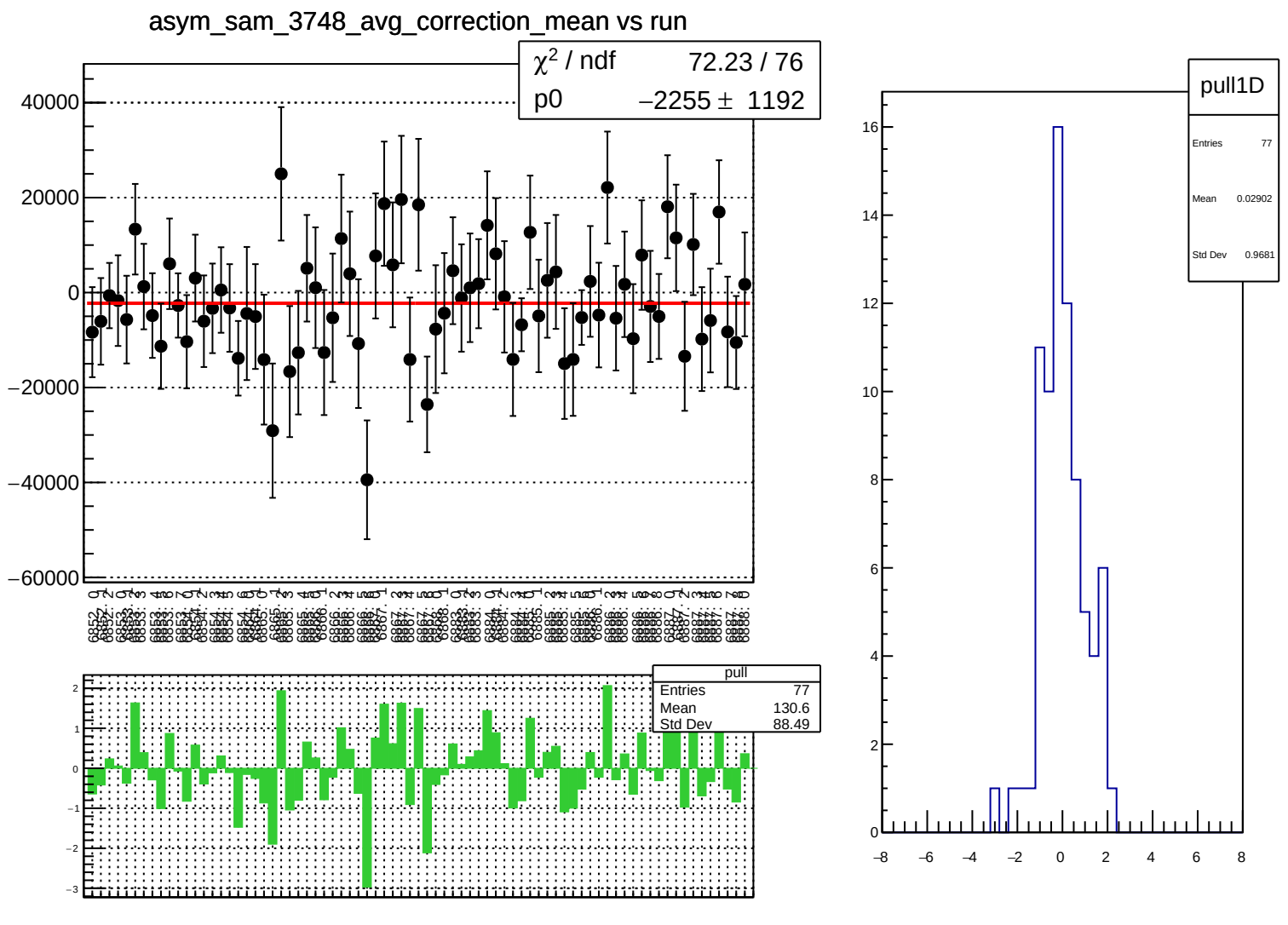

asym_sam_1548_avg_mean vs run
χ² / ndf 74.25 / 76
p0 1587 ± 899.1
pull
Entries 77
Mean 101.3
Std Dev 62.87
pull1D
Entries 77
Mean −0.03349
Std Dev 0.9814


asym_sam_1548_avg_rms vs run
χ^2 / ndf 6.053e+04 / 76
p0 791 ± 0.6358
1200
1100
1000
900
800
700
600

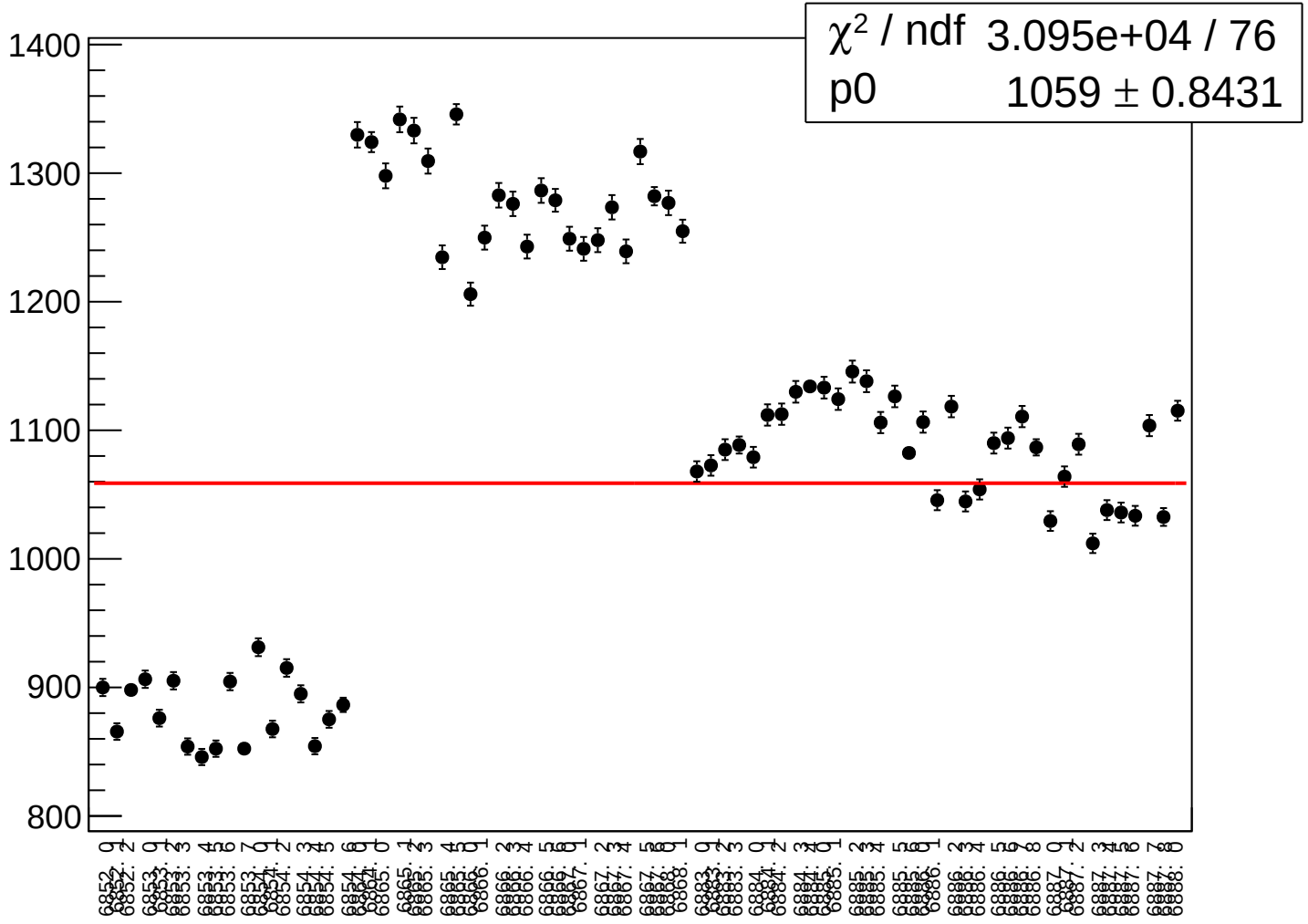

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 70.46 / 76
p0 60.16 ± 126.3
pull
Entries 77
Mean 4409
Std Dev 4361
pull1D
Entries 77
Mean 0.0005424
Std Dev 0.9566

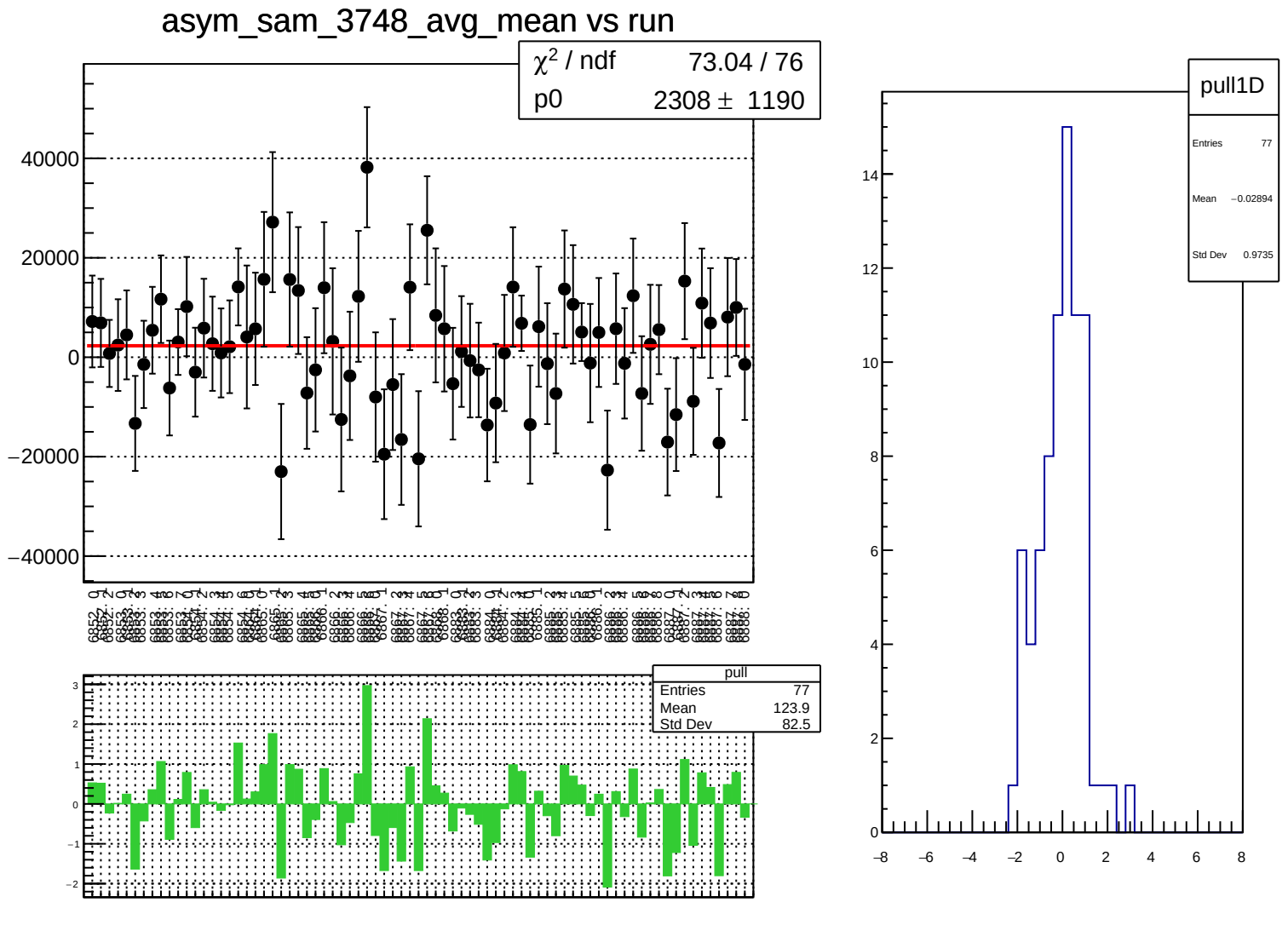
dit_asym_sam_3748_avg_rms vs run

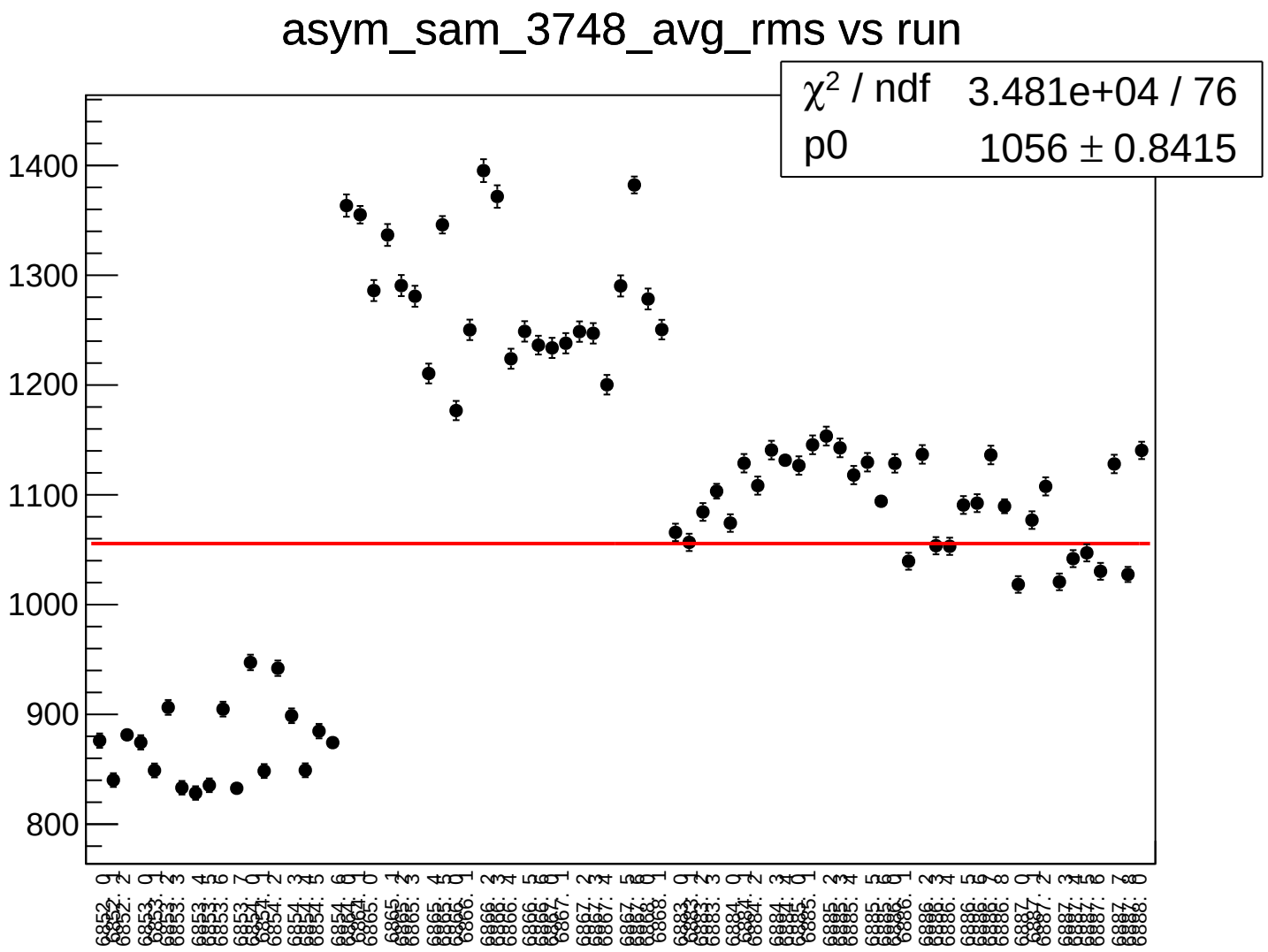


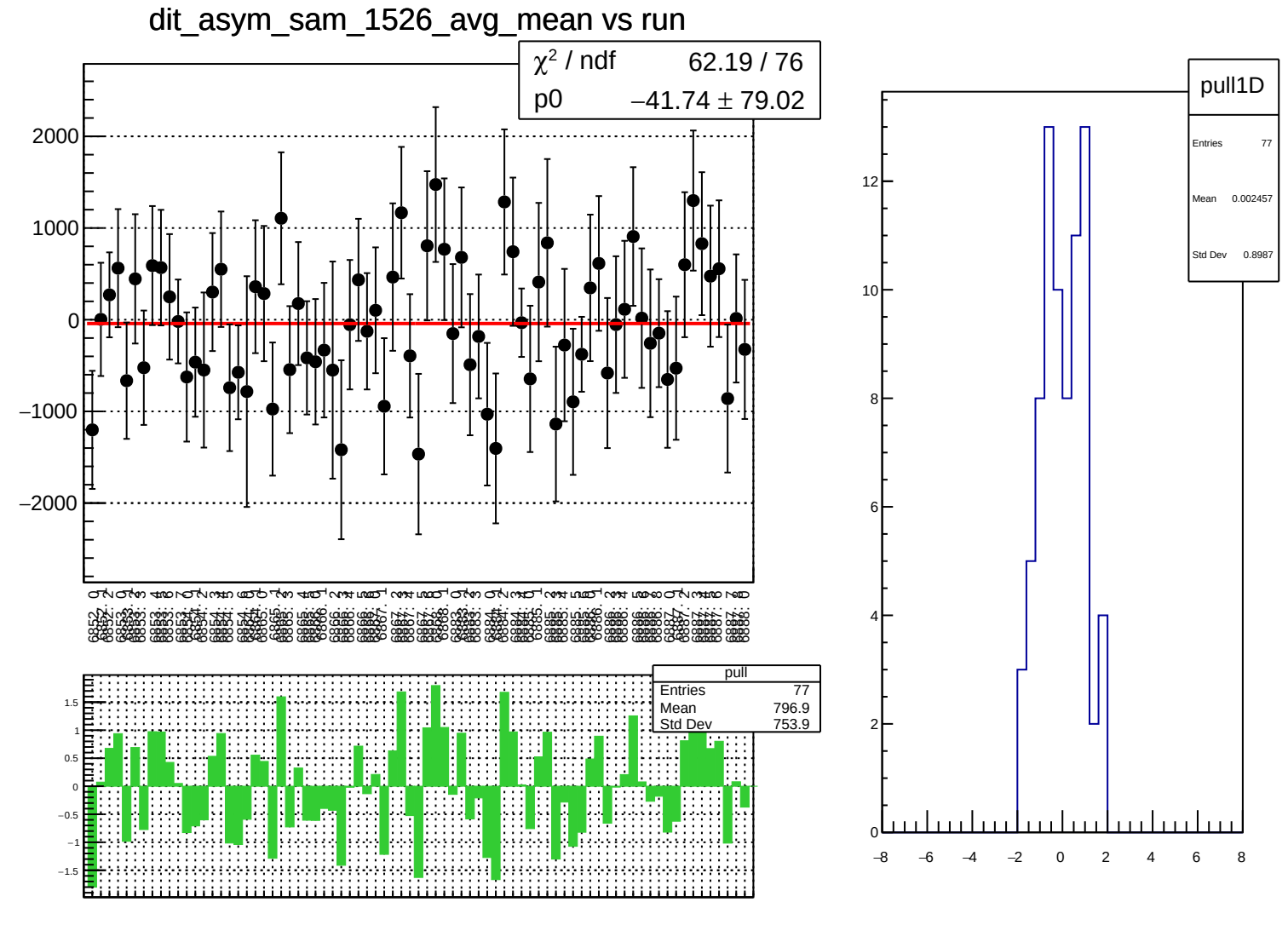

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 72.23 / 76
p0 −2255 ± 1192
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 130.6
Std Dev 88.49
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean 0.02902
Std Dev 0.9681
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3748_avg_correction_rms vs run

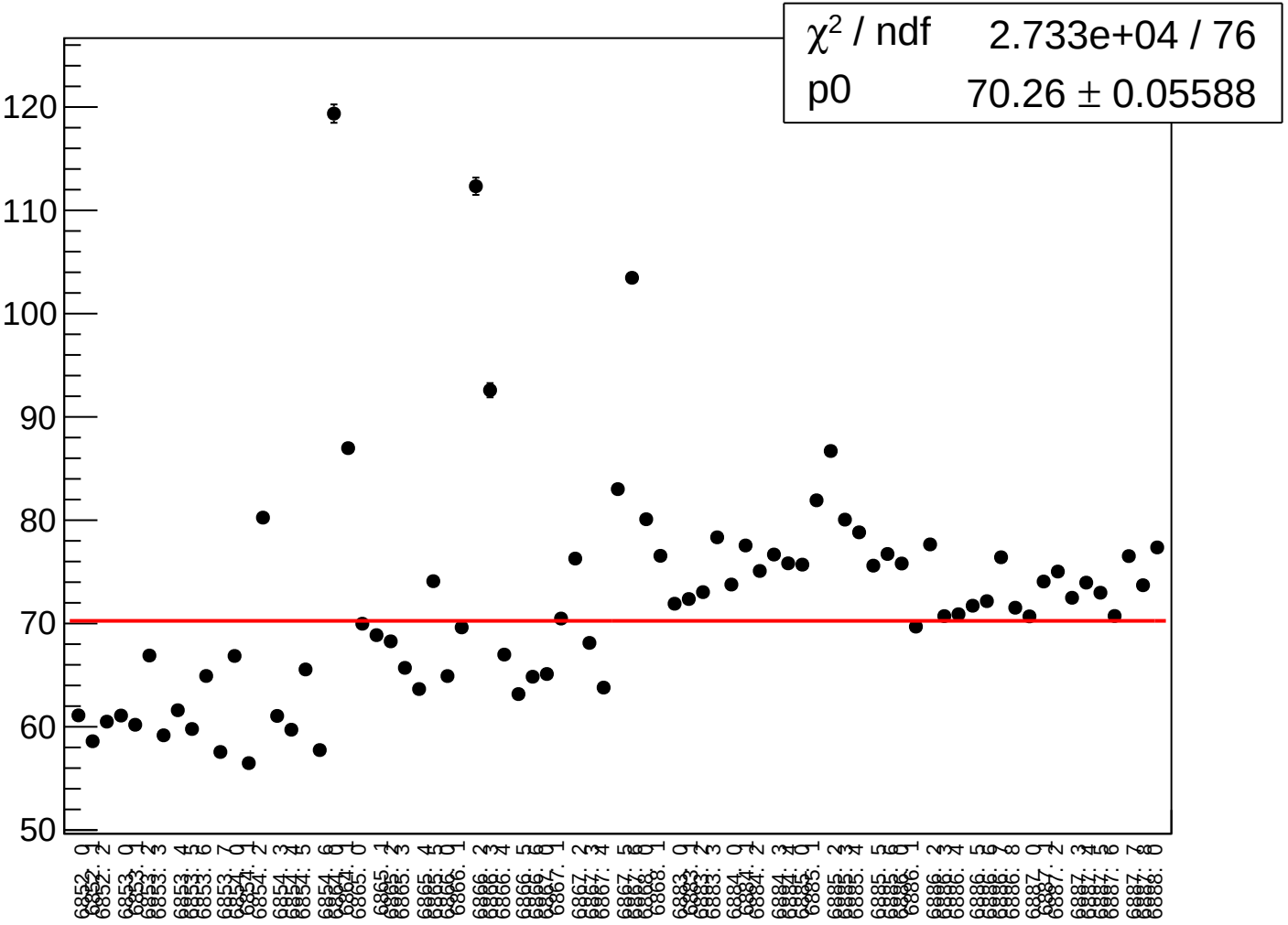


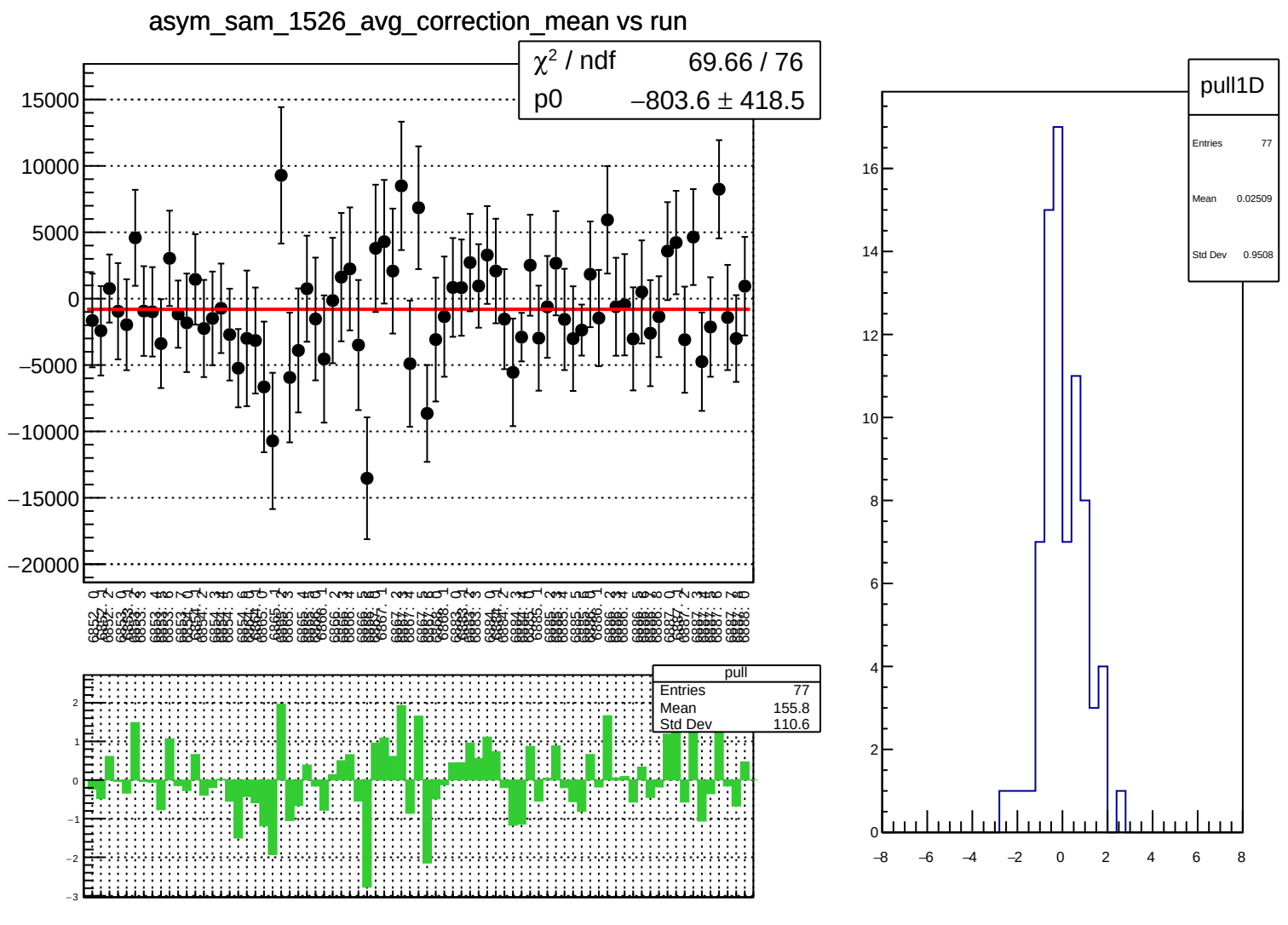

asym_sam_3748_avg_mean vs run
χ² / ndf 73.04 / 76
p0 2308 ± 1190
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 123.9
Std Dev 82.5
pull1D
Entries 77
Mean −0.02894
Std Dev 0.9735


asym_sam_3748_avg_rms vs run
χ^2 / ndf 3.481e+04 / 76
p0 1056 ± 0.8415
1400
1300
1200
1100
1000
900
800

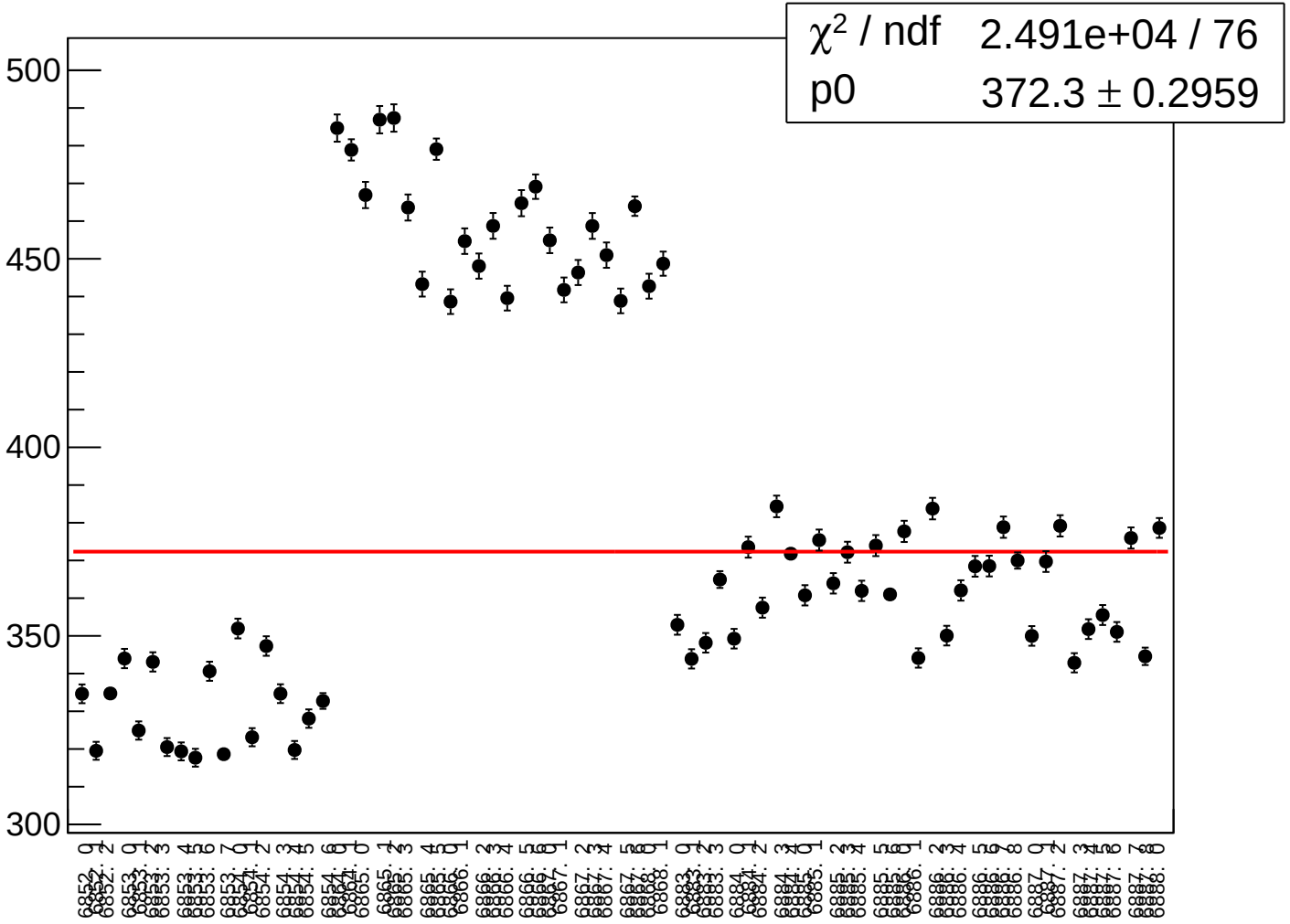

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 62.19 / 76
p0 −41.74 ± 79.02
2000
1000
0
−1000
−2000
pull
Entries 77
Mean 796.9
Std Dev 753.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 77
Mean 0.002457
Std Dev 0.8987
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

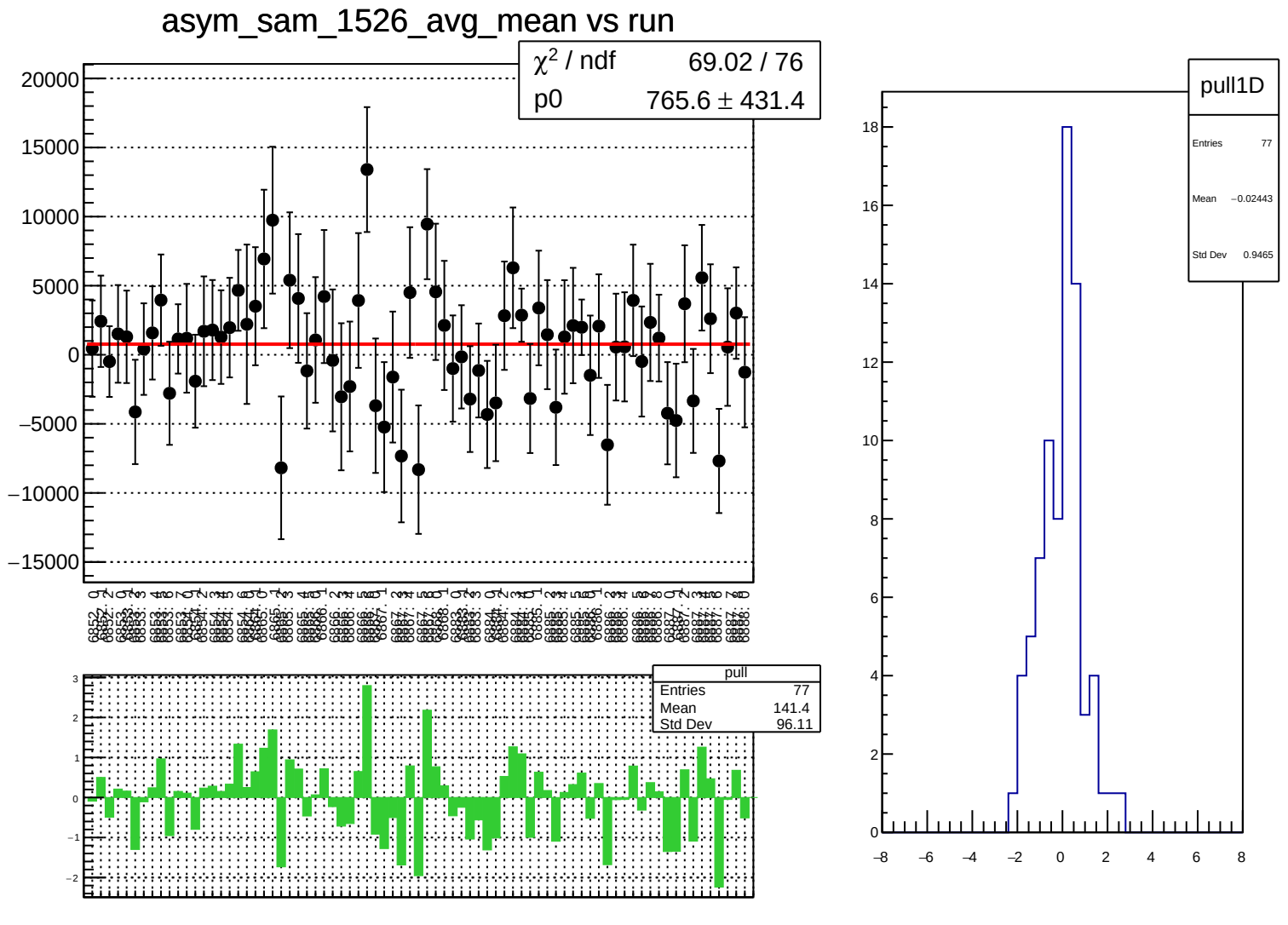
dit_asym_sam_1526_avg_rms vs run

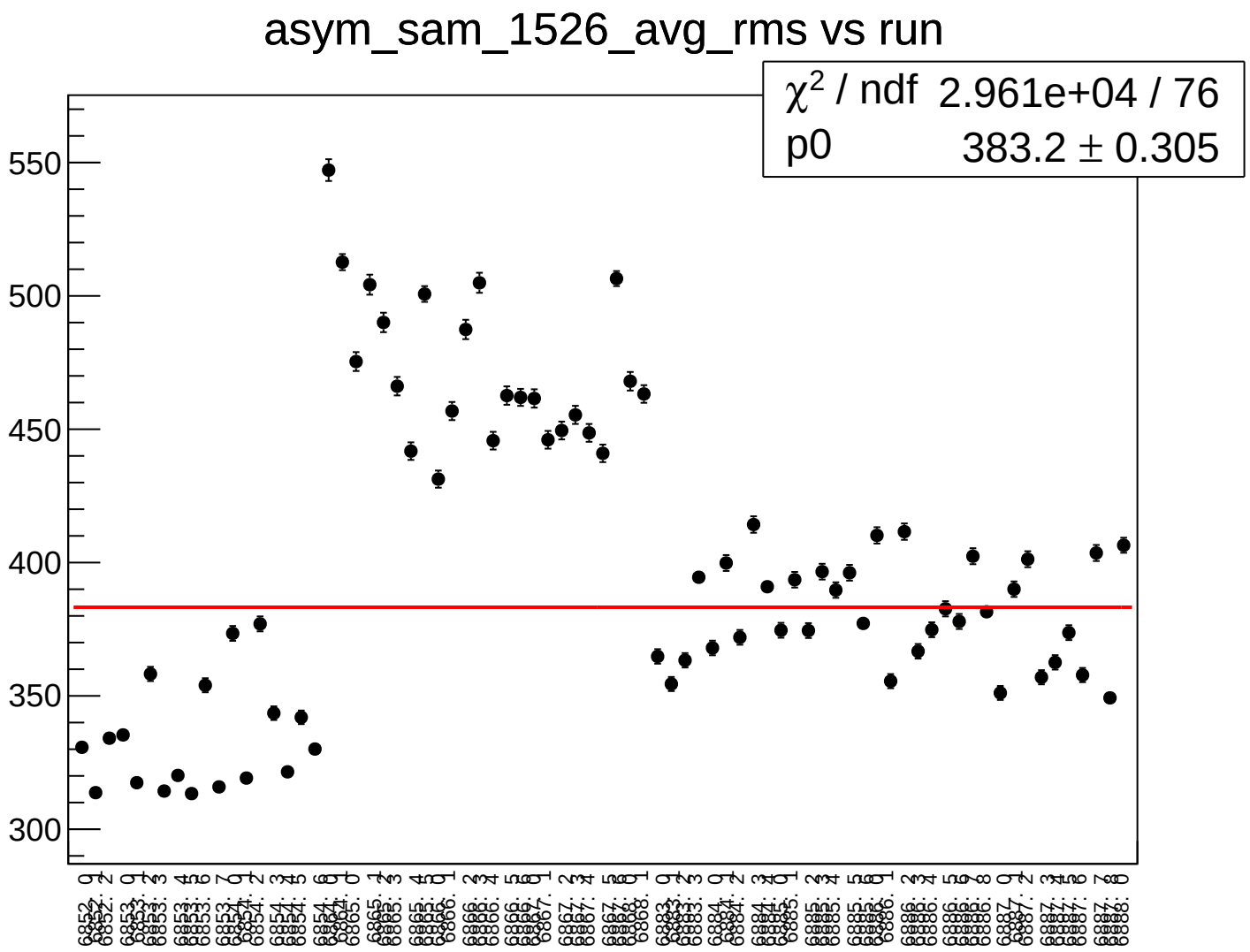


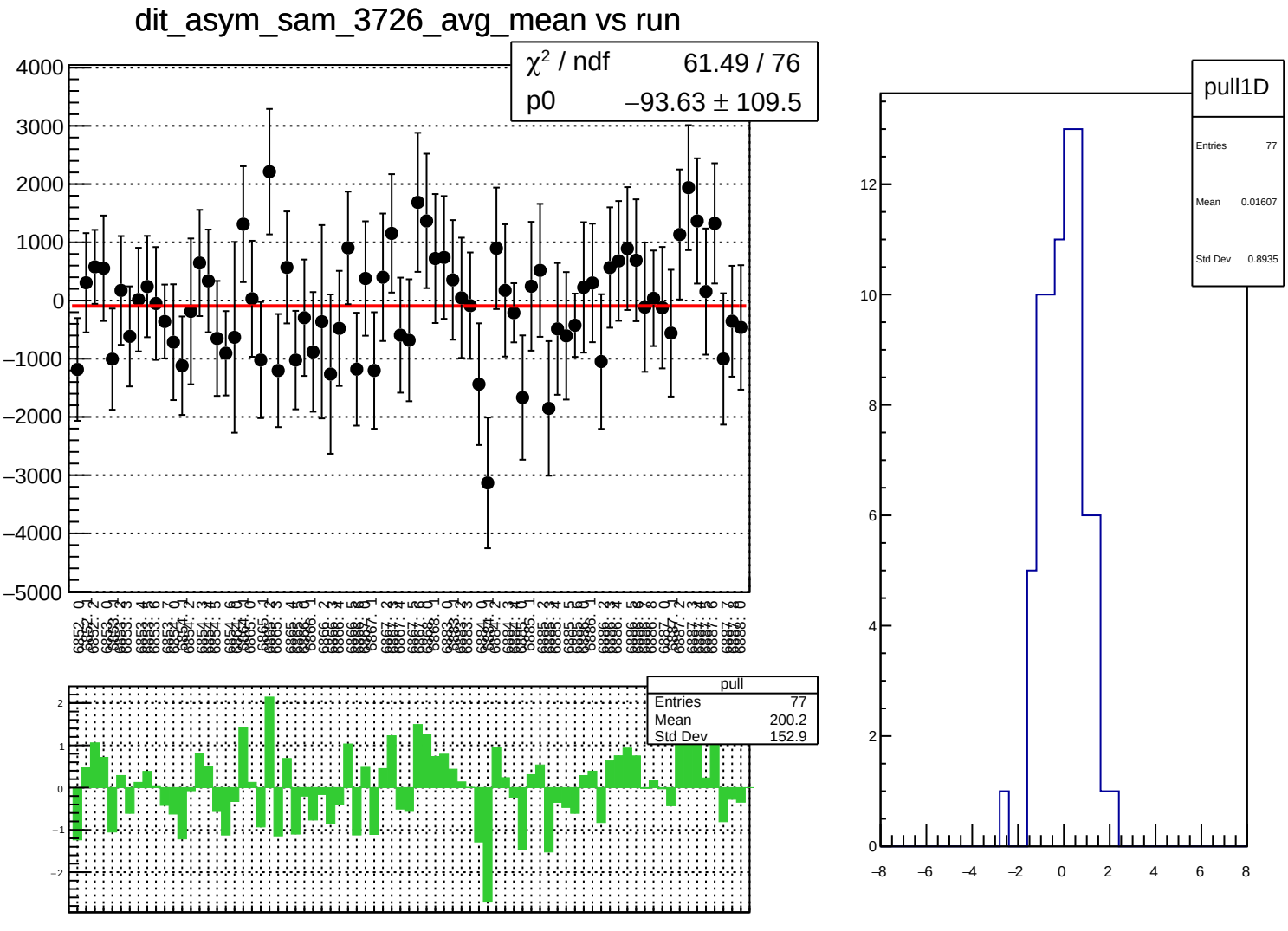

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 69.66 / 76
p0 −803.6 ± 418.5
pull
Entries 77
Mean 155.8
Std Dev 110.6
pull1D
Entries 77
Mean 0.02509
Std Dev 0.9508

asym_sam_1526_avg_correction_rms vs run

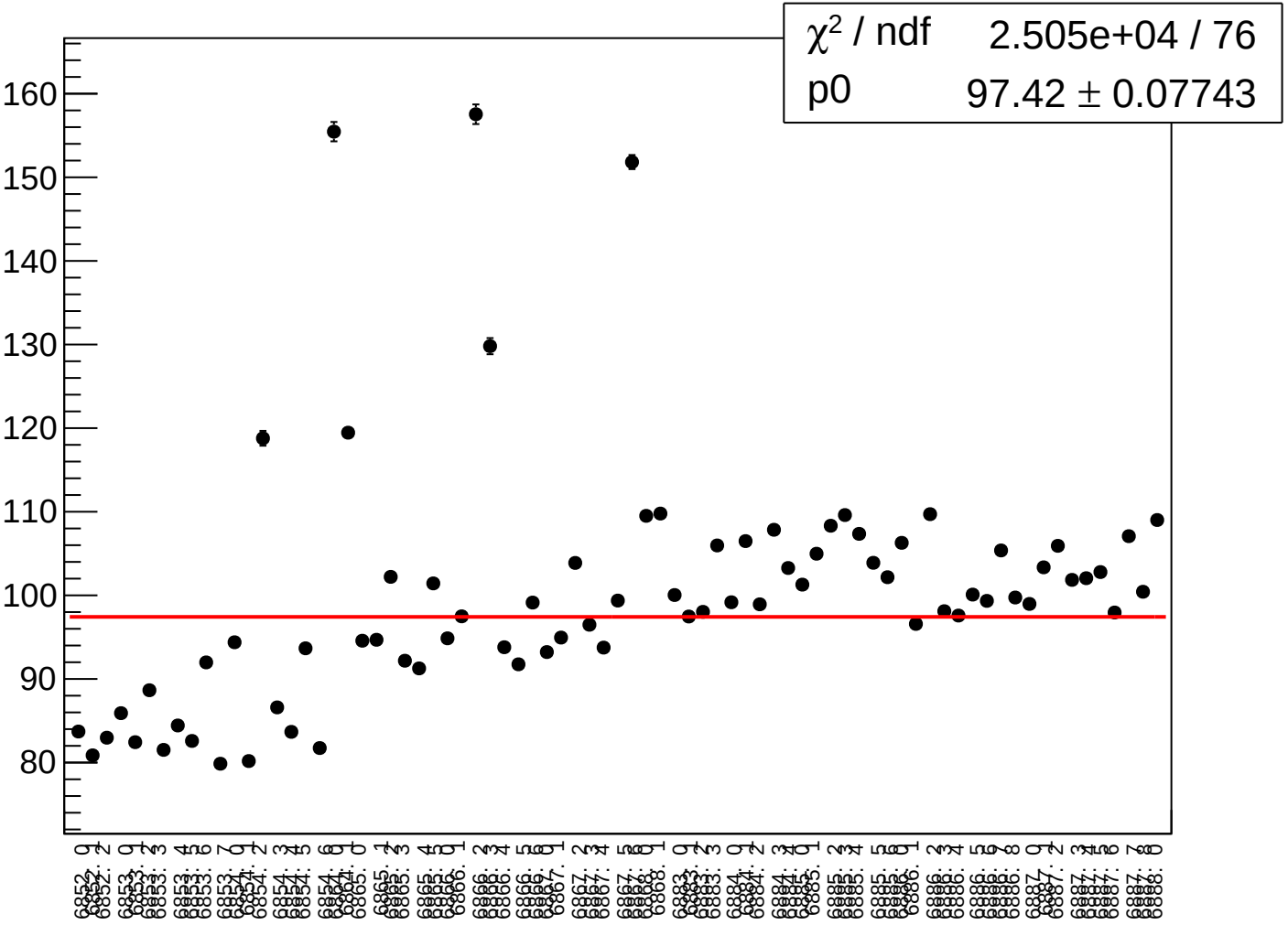


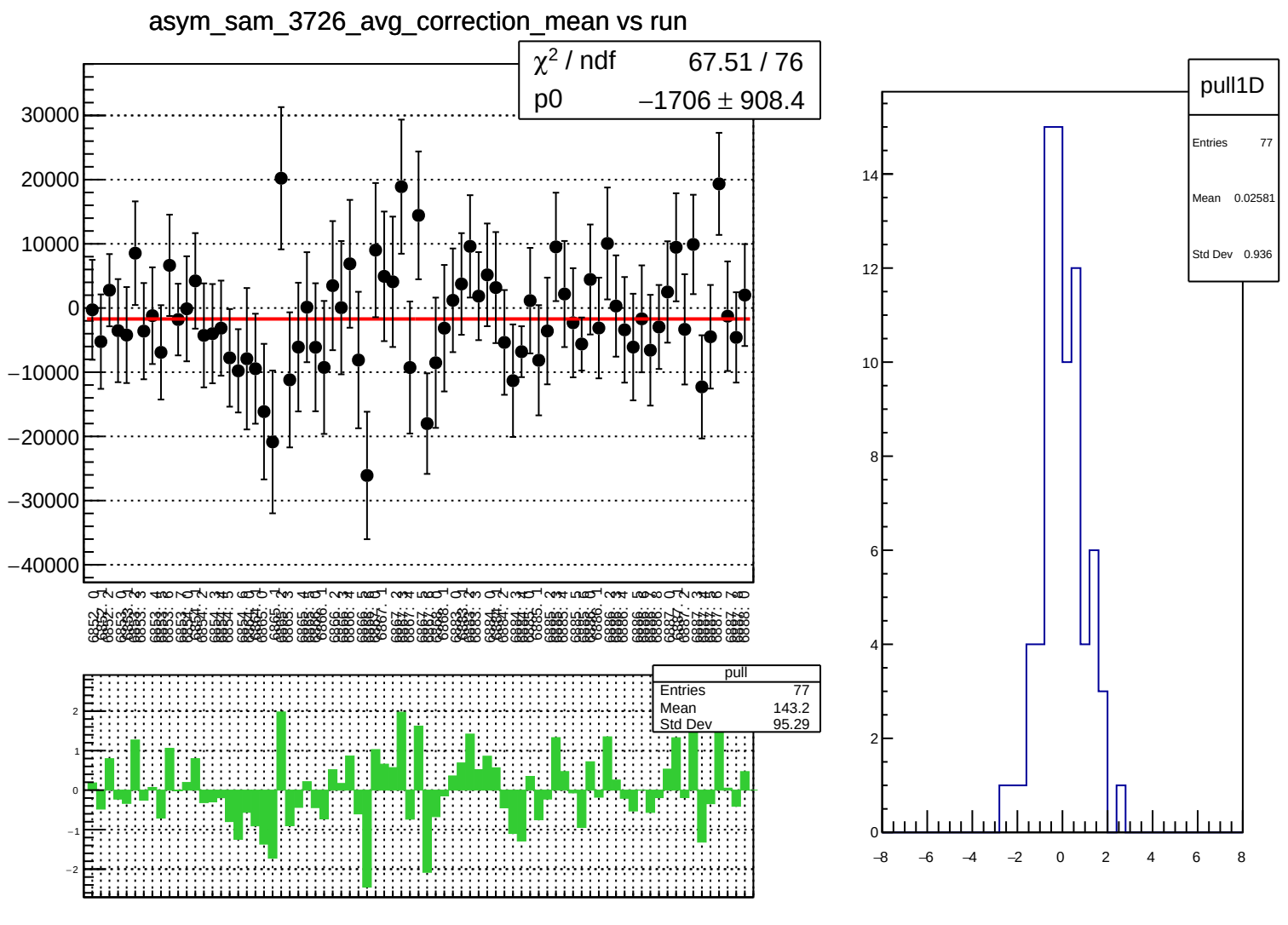

asym_sam_1526_avg_mean vs run
χ² / ndf 69.02 / 76
p0 765.6 ± 431.4
pull
Entries 77
Mean 141.4
Std Dev 96.11
pull1D
Entries 77
Mean −0.02443
Std Dev 0.9465

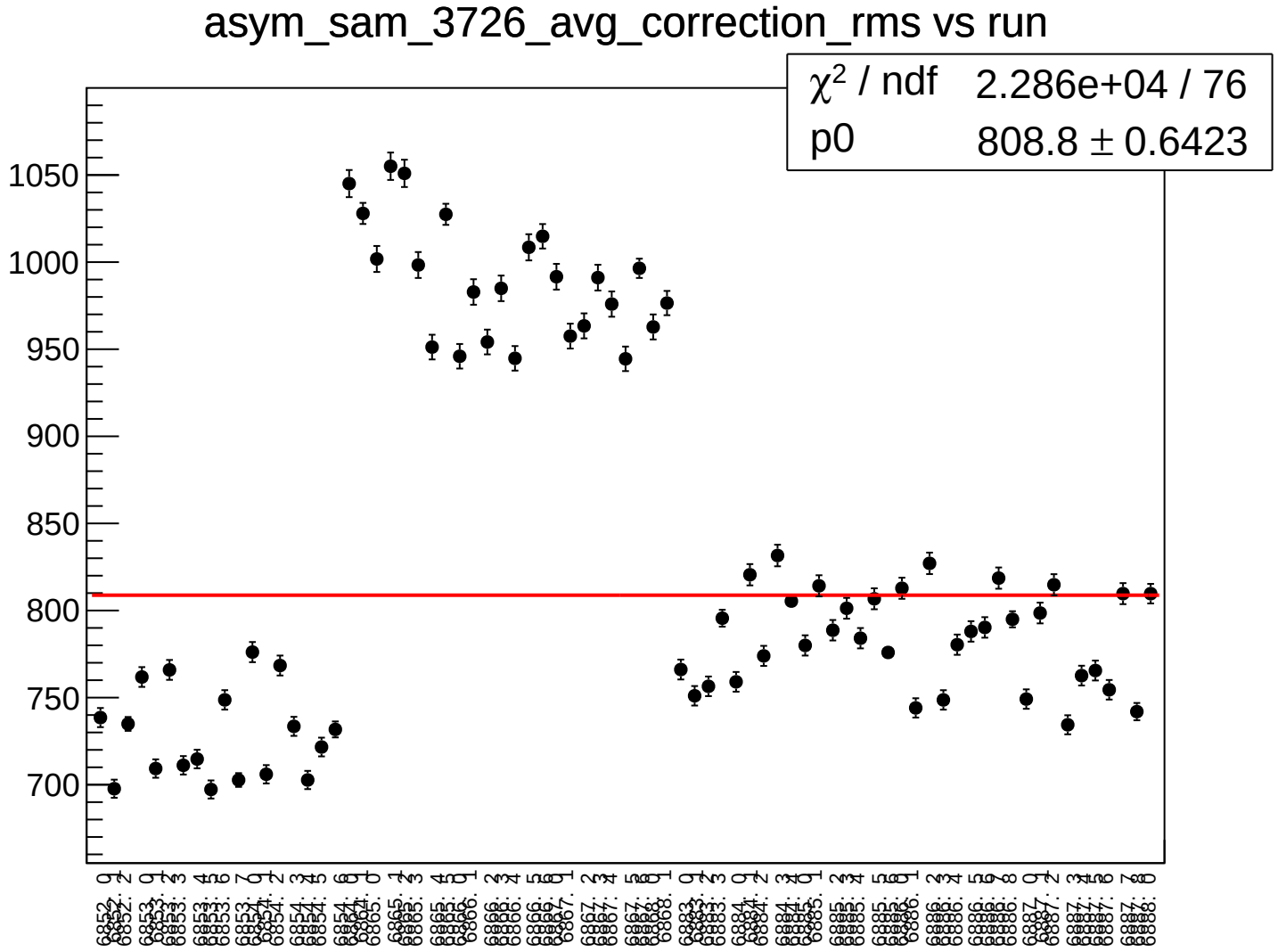

asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.961e+04 / 76
p0 383.2 ± 0.305
550
500
450
400
350
300

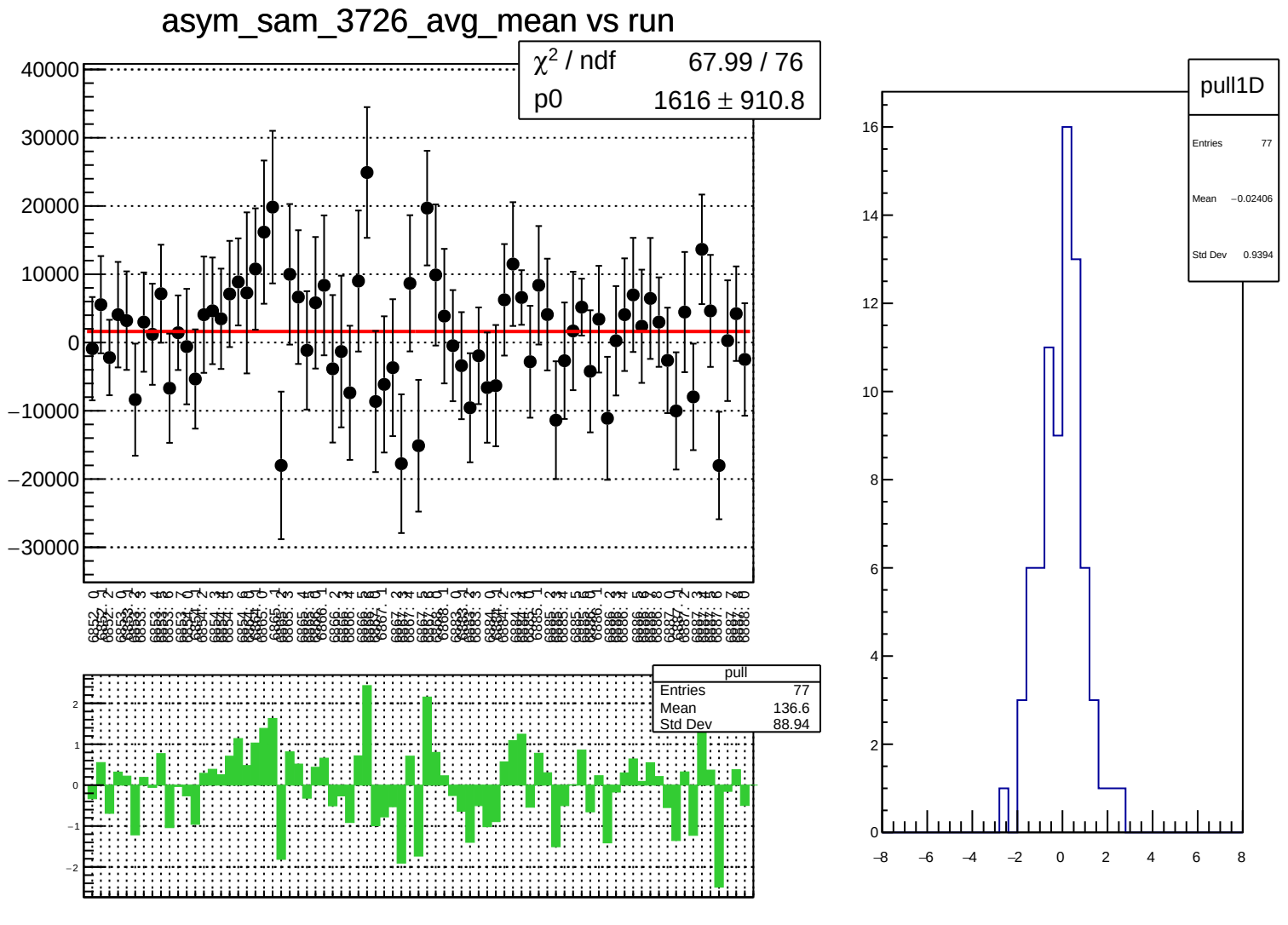

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 61.49 / 76
p0 −93.63 ± 109.5
pull
Entries 77
Mean 200.2
Std Dev 152.9
pull1D
Entries 77
Mean 0.01607
Std Dev 0.8935

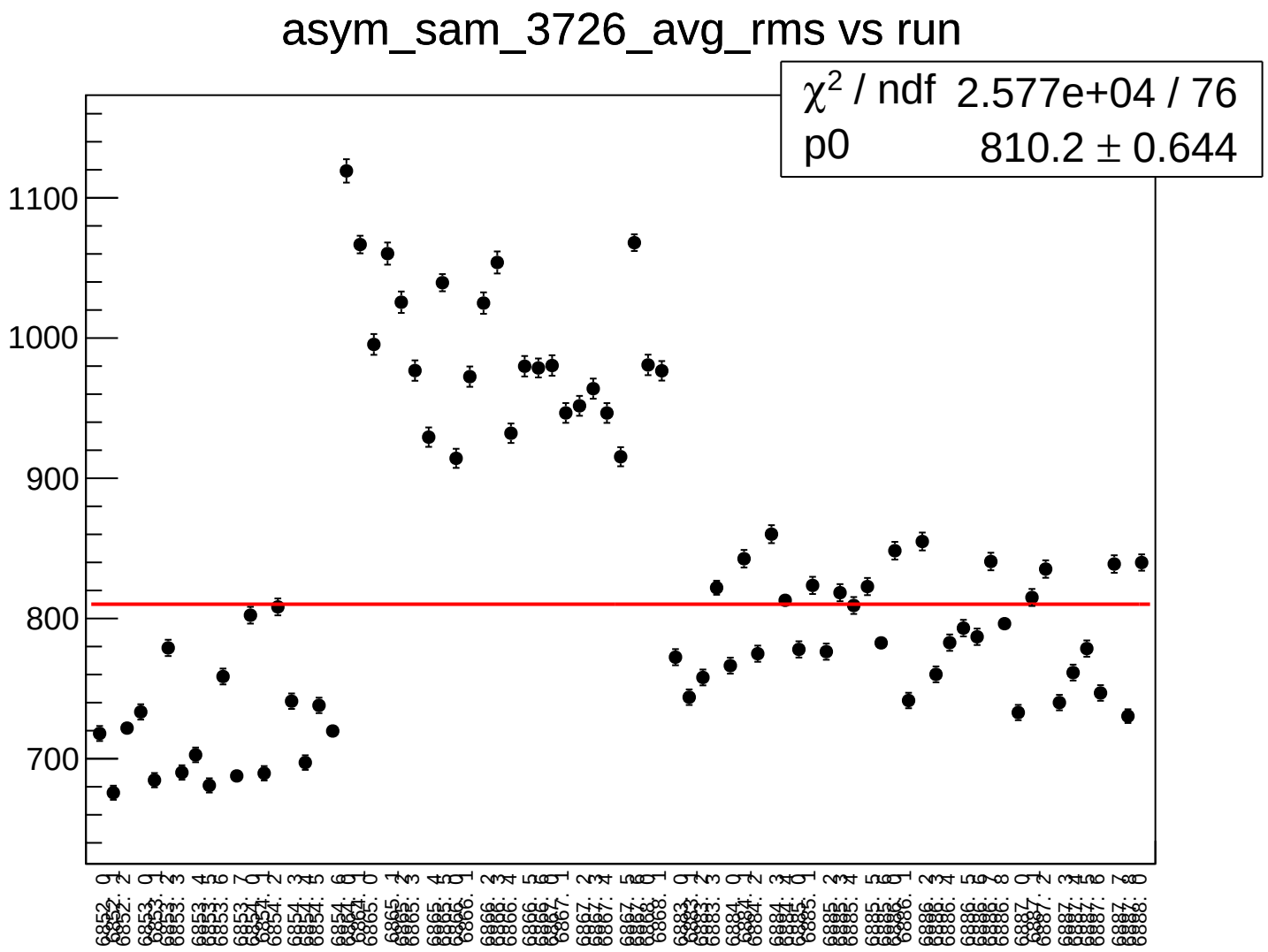
dit_asym_sam_3726_avg_rms vs run

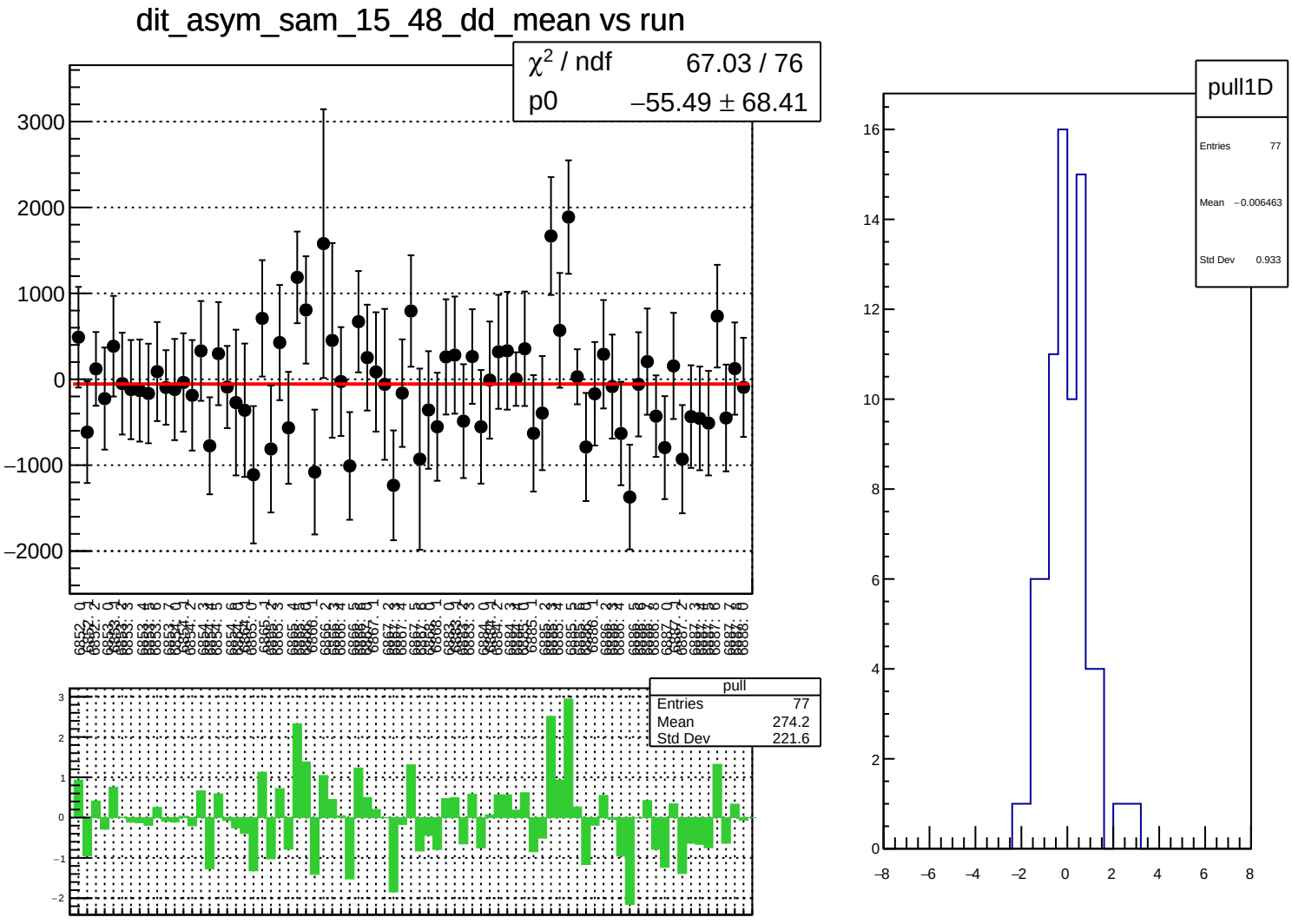



asym_sam_3726_avg_correction_mean vs run
χ² / ndf 67.51 / 76
p0 −1706 ± 908.4
pull
Entries 77
Mean 143.2
Std Dev 95.29
pull1D
Entries 77
Mean 0.02581
Std Dev 0.936

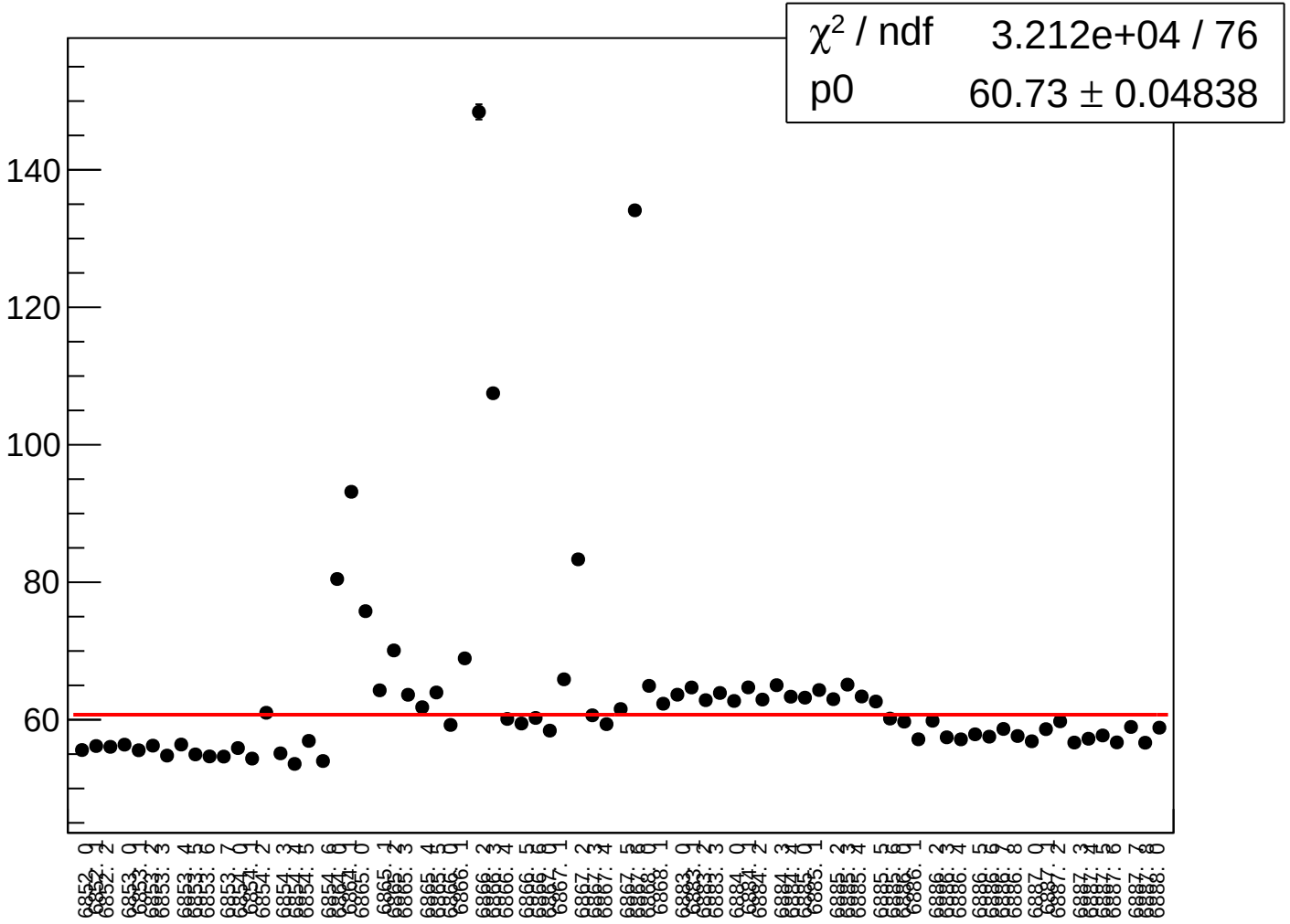

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 2.286e+04 / 76
p0 808.8 ± 0.6423
1050
1000
950
900
850
800
750
700

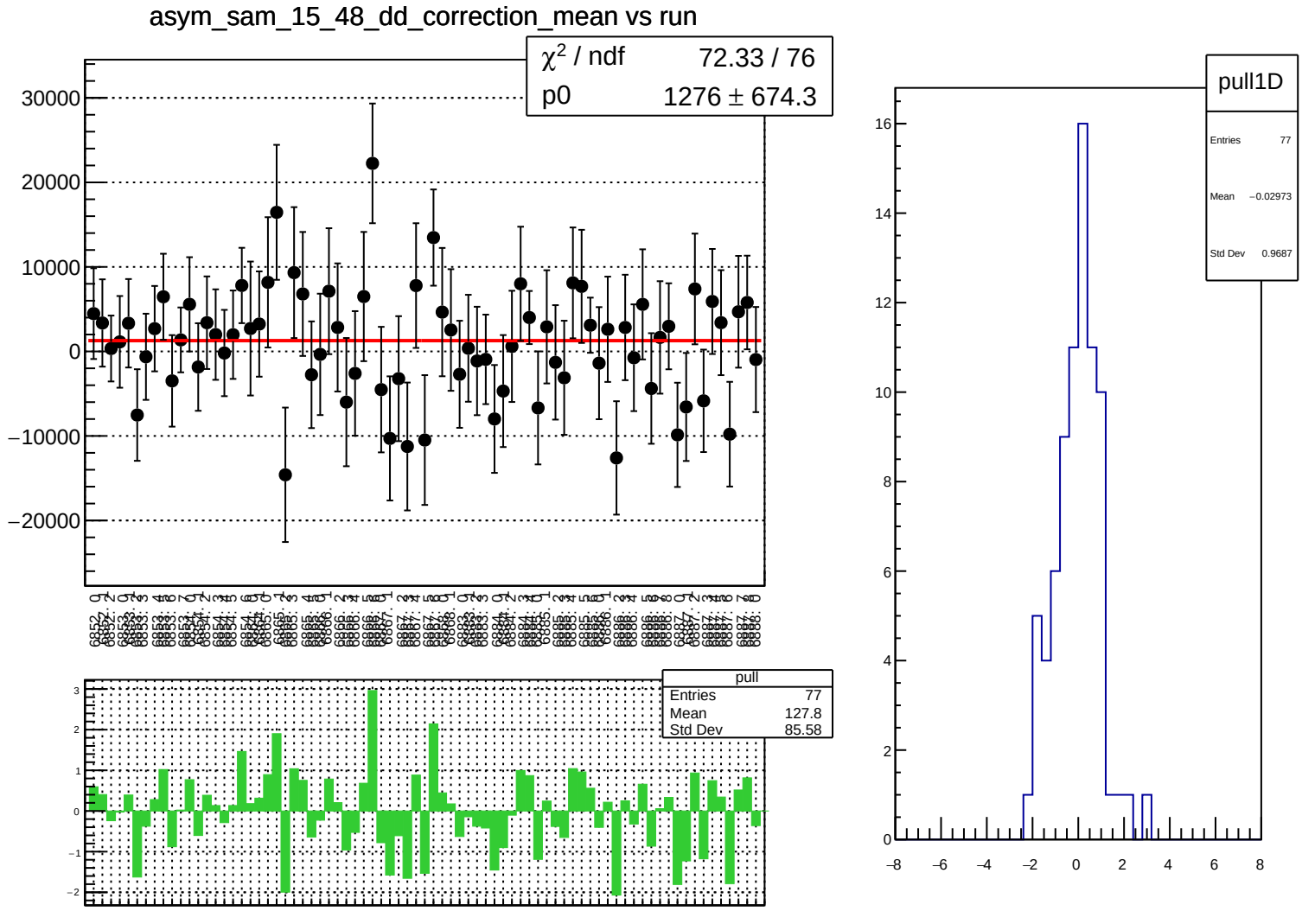

asym_sam_3726_avg_mean vs run
χ^2 / ndf 67.99 / 76
p0 1616 ± 910.8
pull
Entries 77
Mean 136.6
Std Dev 88.94
pull1D
Entries 77
Mean −0.02406
Std Dev 0.9394

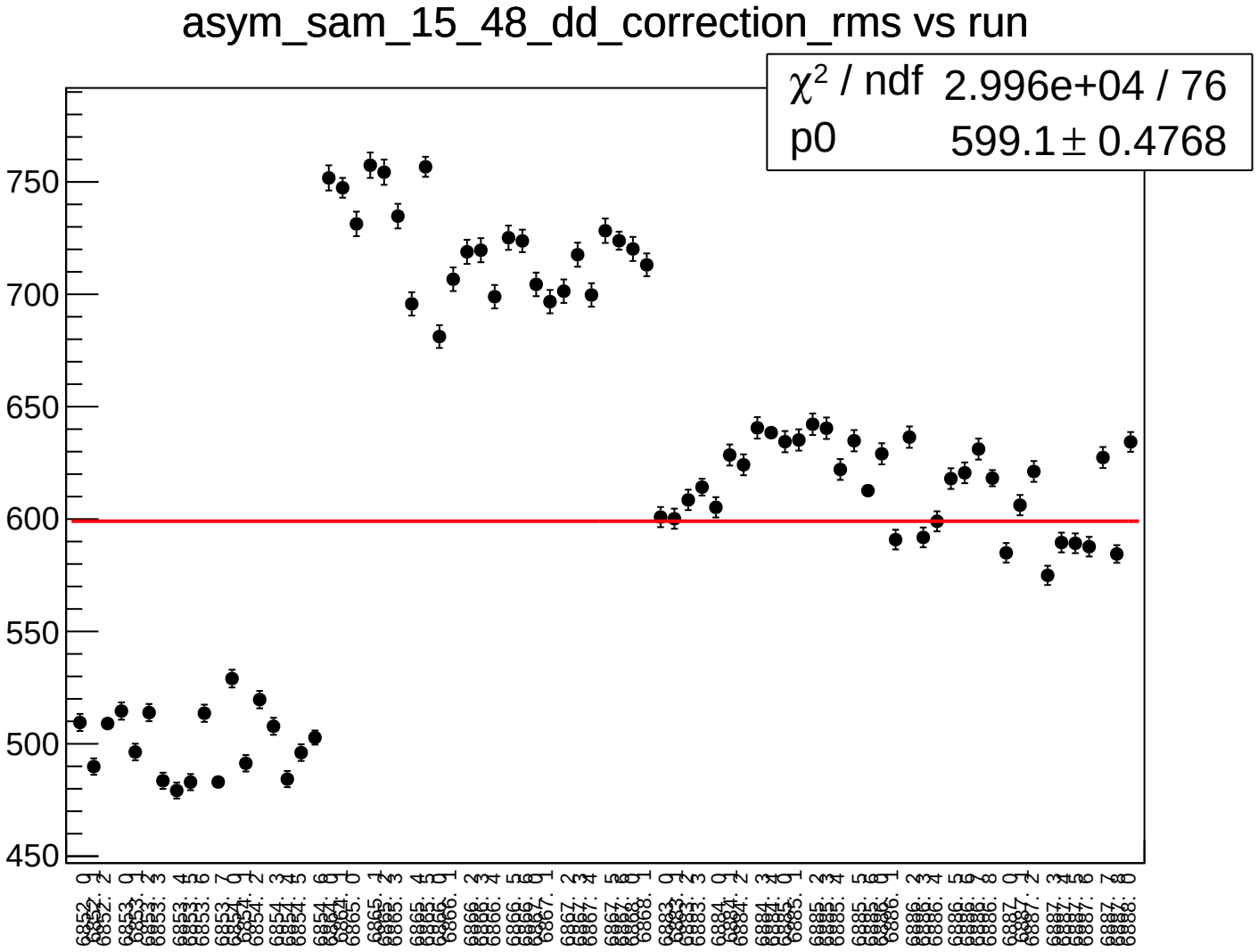

asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.577e+04 / 76
p0 810.2 ± 0.644
1100
1000
900
800
700

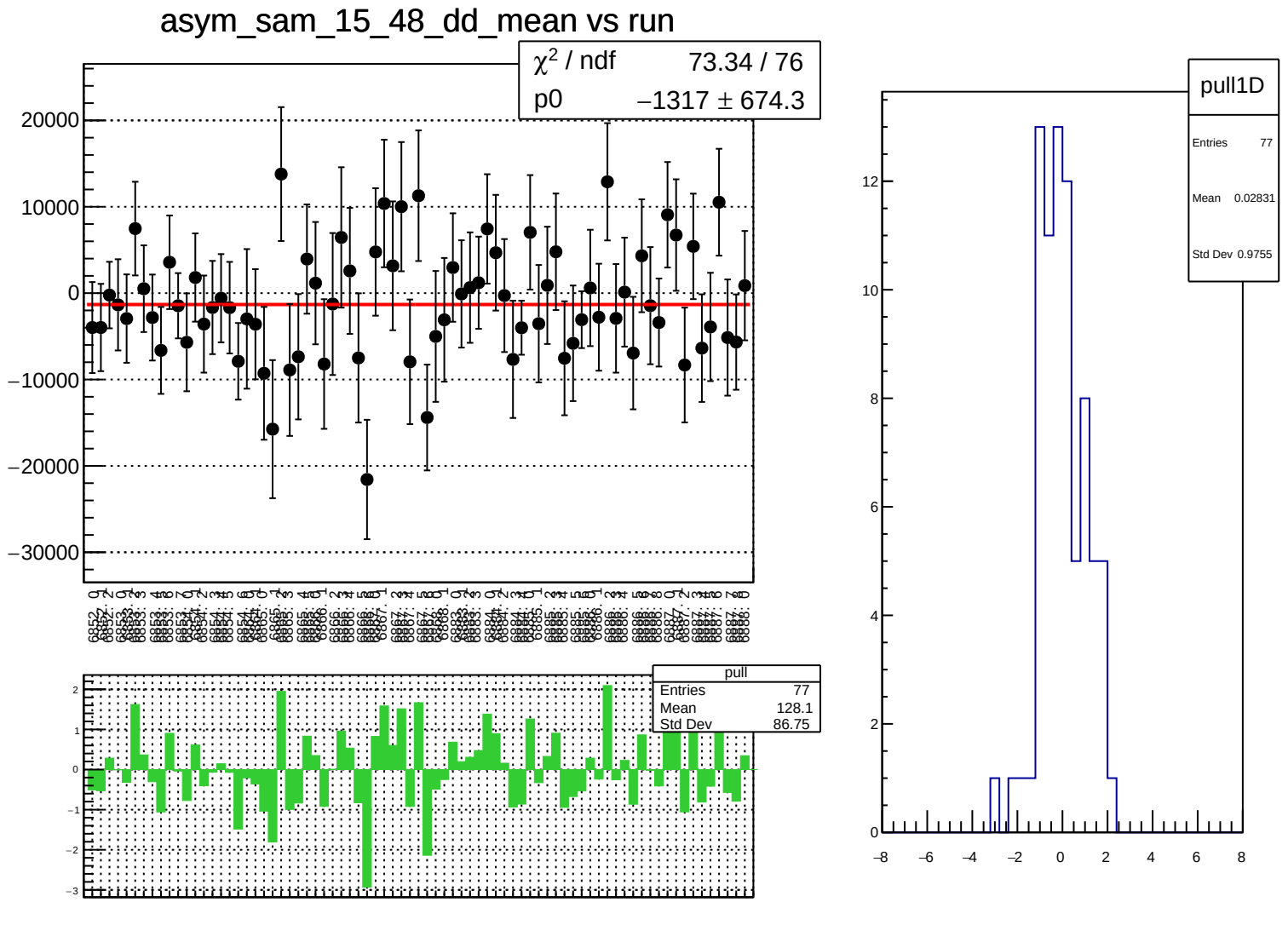

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 67.03 / 76
p0 −55.49 ± 68.41
pull
Entries 77
Mean 274.2
Std Dev 221.6
pull1D
Entries 77
Mean −0.006463
Std Dev 0.933

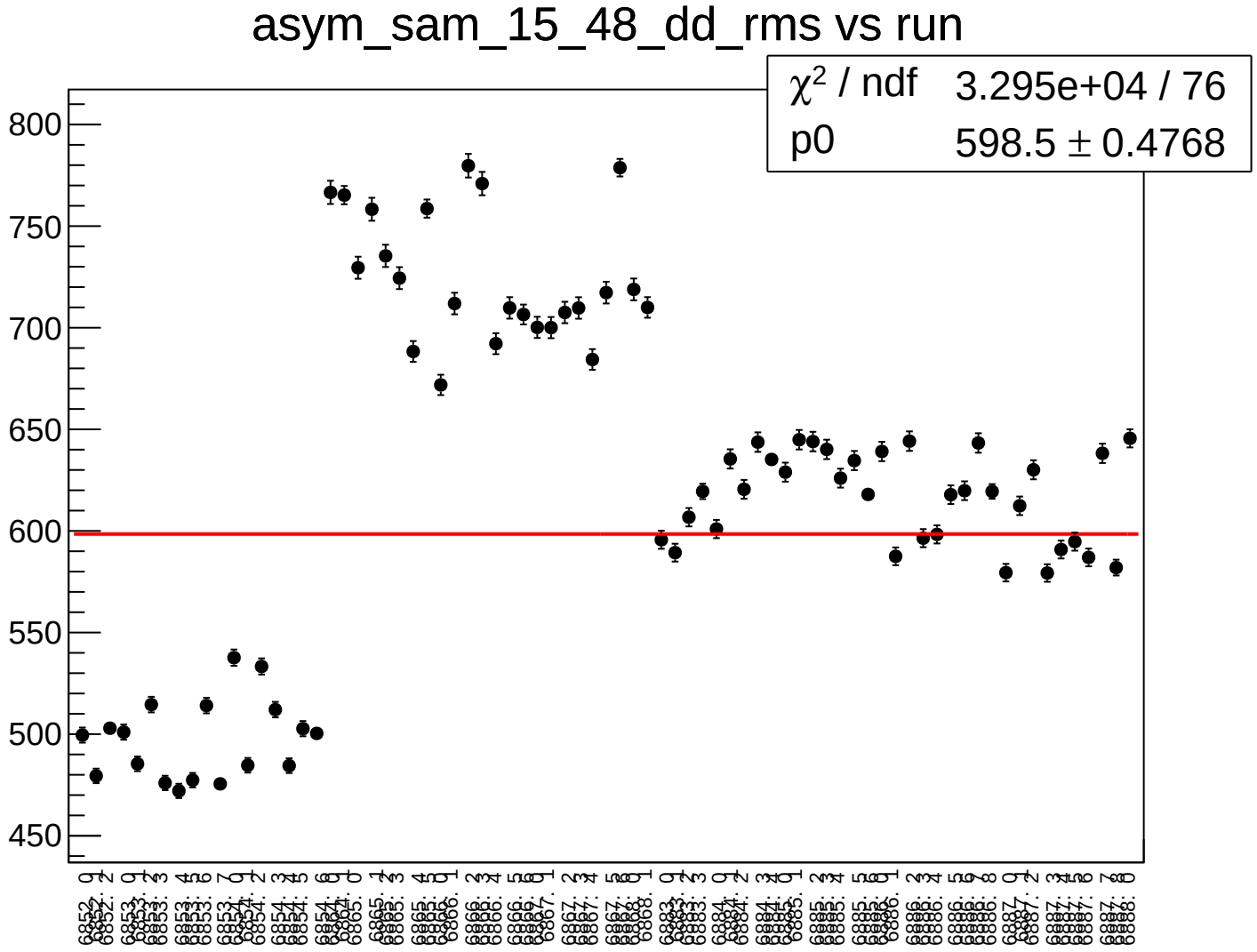
dit_asym_sam_15_48_dd_rms vs run

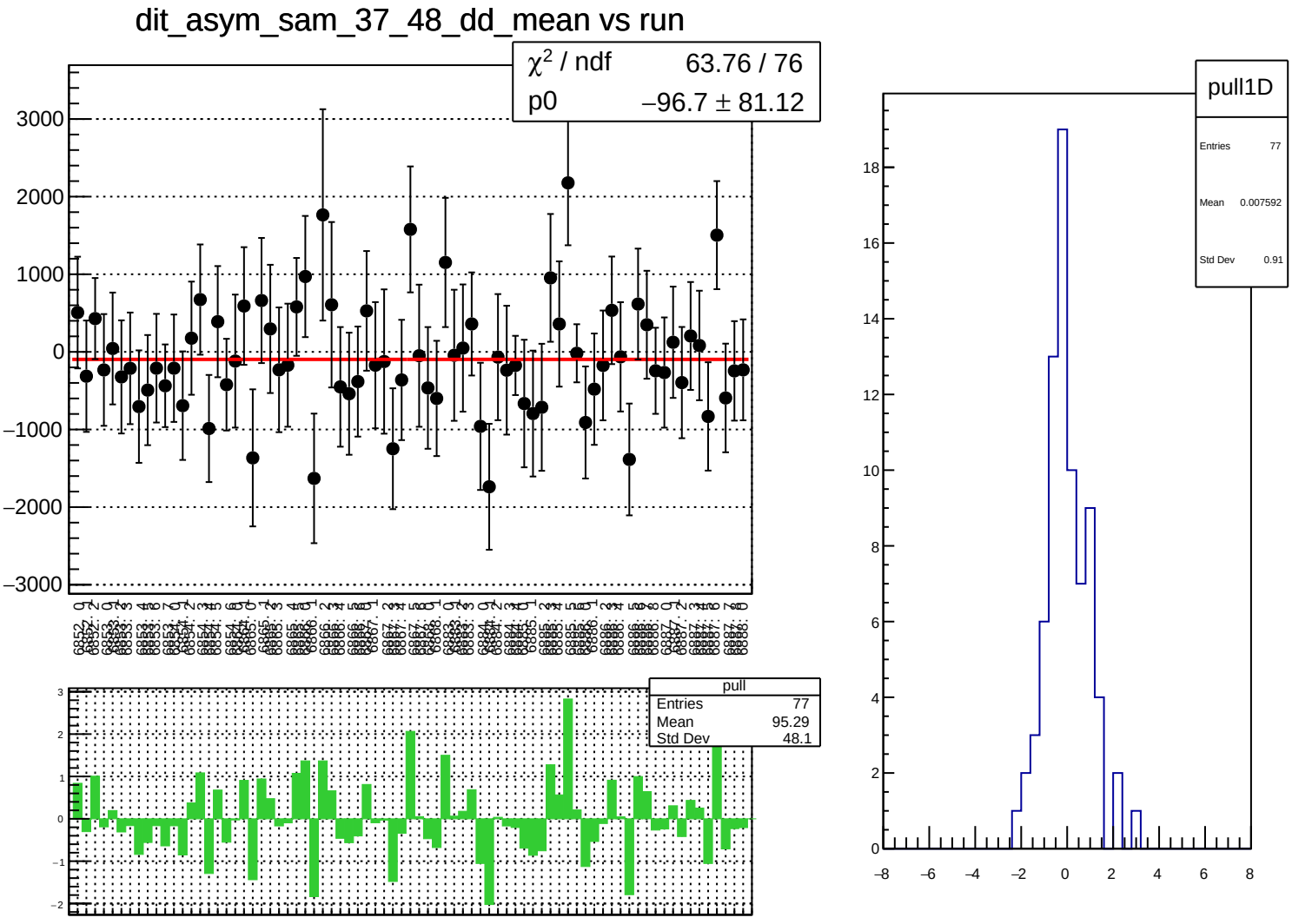



asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 72.33 / 76
p0 1276 ± 674.3
pull
Entries 77
Mean 127.8
Std Dev 85.58
pull1D
Entries 77
Mean −0.02973
Std Dev 0.9687

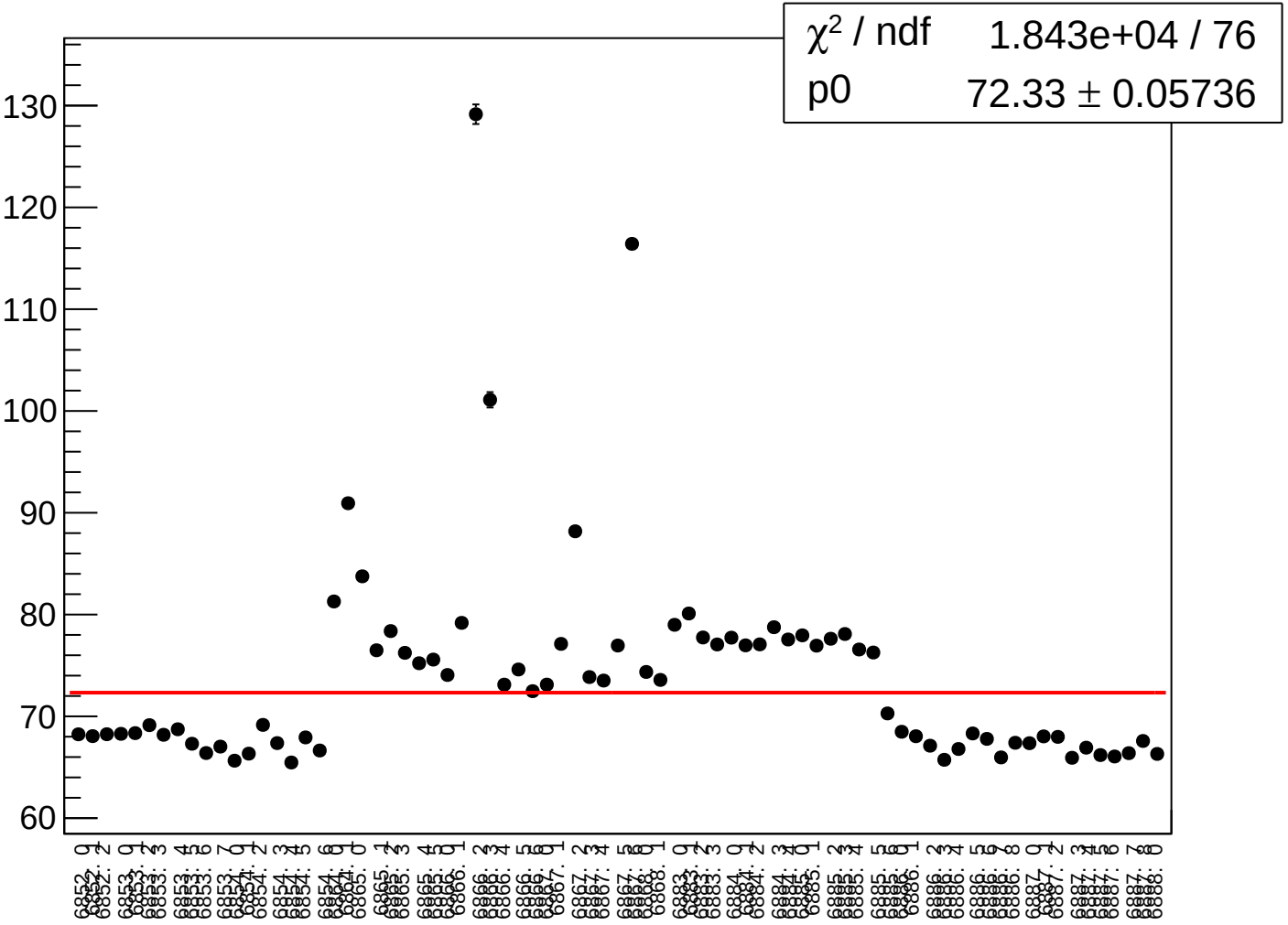

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.996e+04 / 76
p0 599.1 ± 0.4768
750
700
650
600
550
500
450

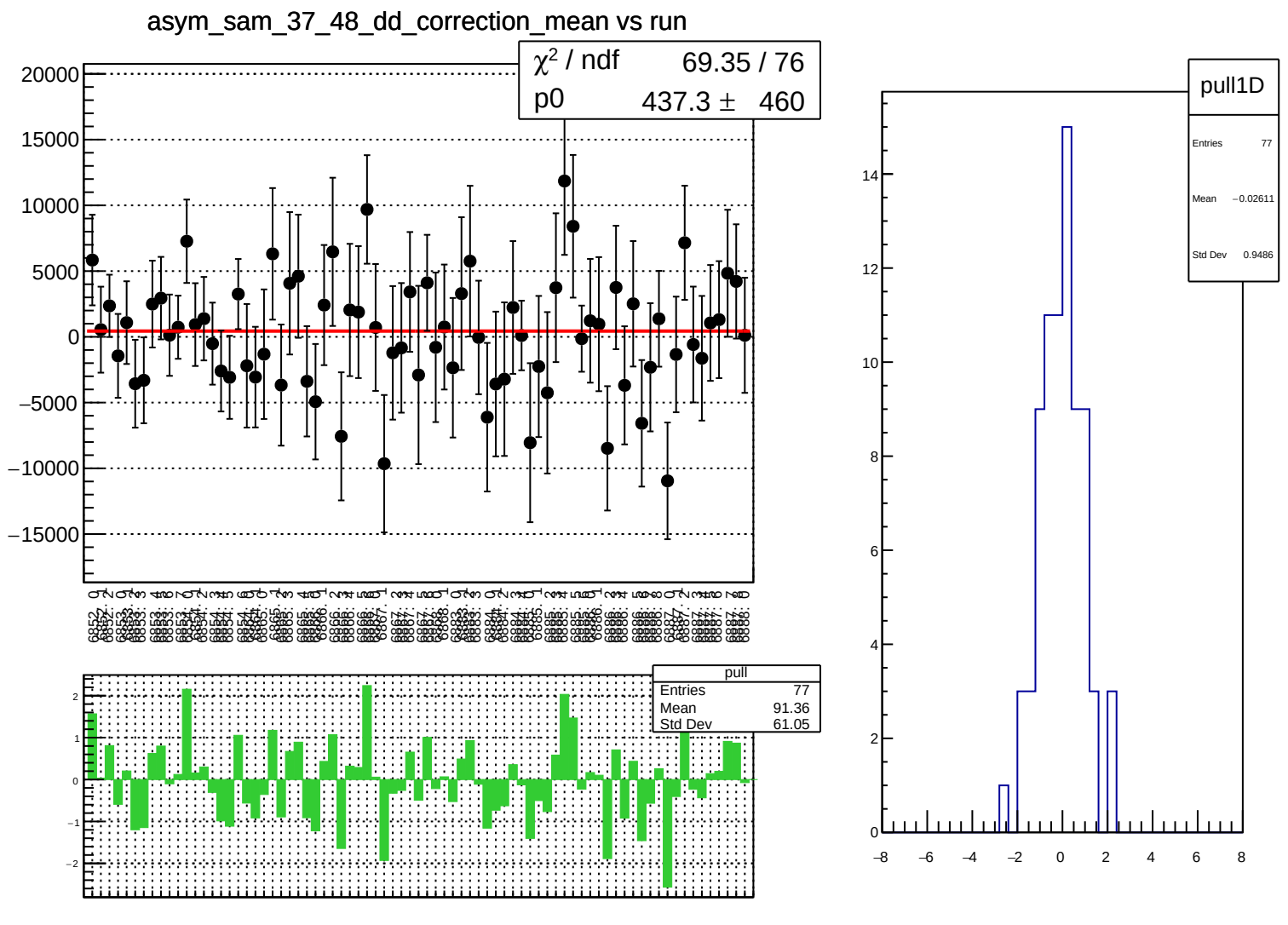

asym_sam_15_48_dd_mean vs run
χ² / ndf 73.34 / 76
p0 −1317 ± 674.3
pull
Entries 77
Mean 128.1
Std Dev 86.75
pull1D
Entries 77
Mean 0.02831
Std Dev 0.9755

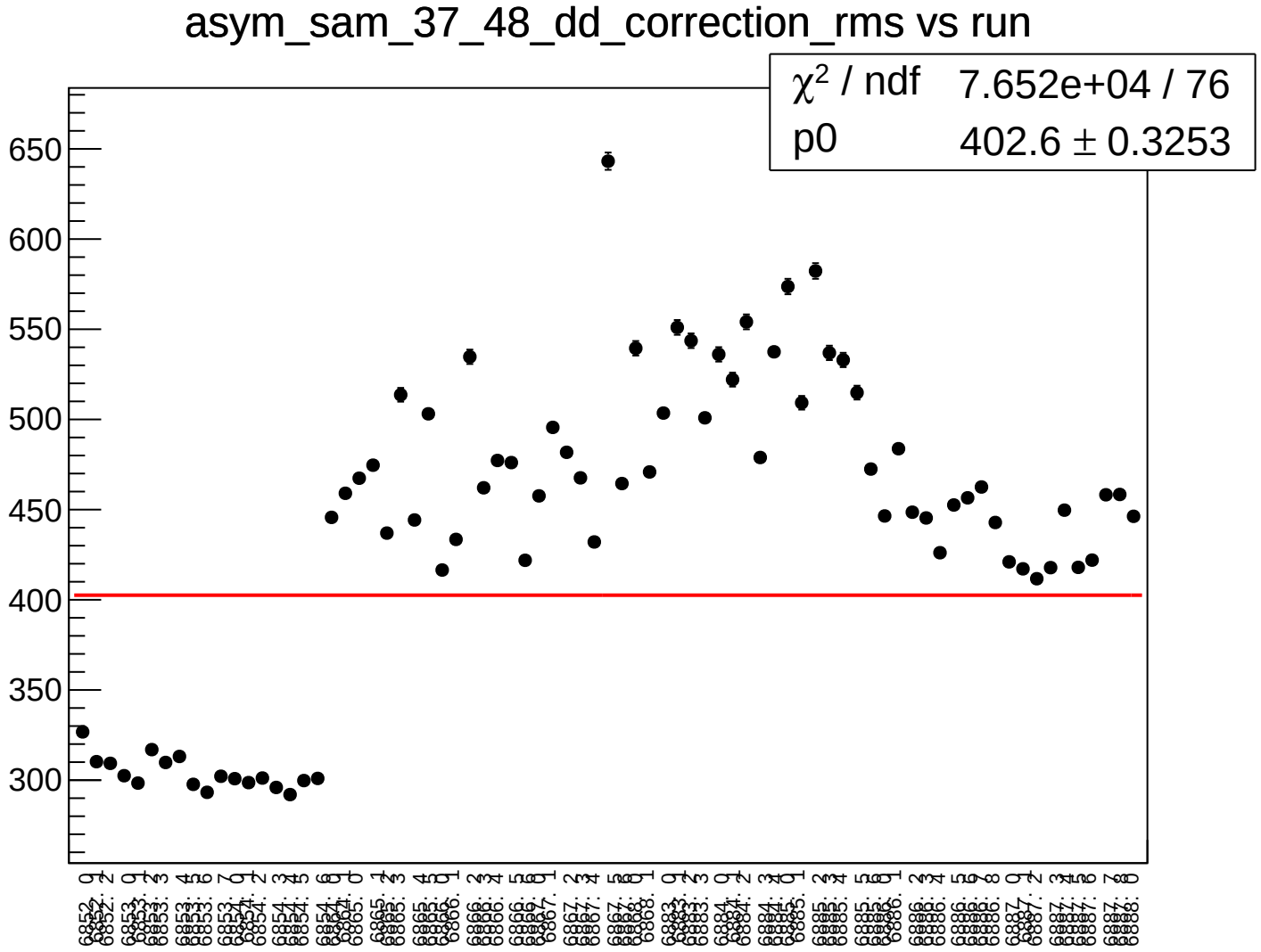

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 3.295e+04 / 76
p0 598.5 ± 0.4768
800
750
700
650
600
550
500
450

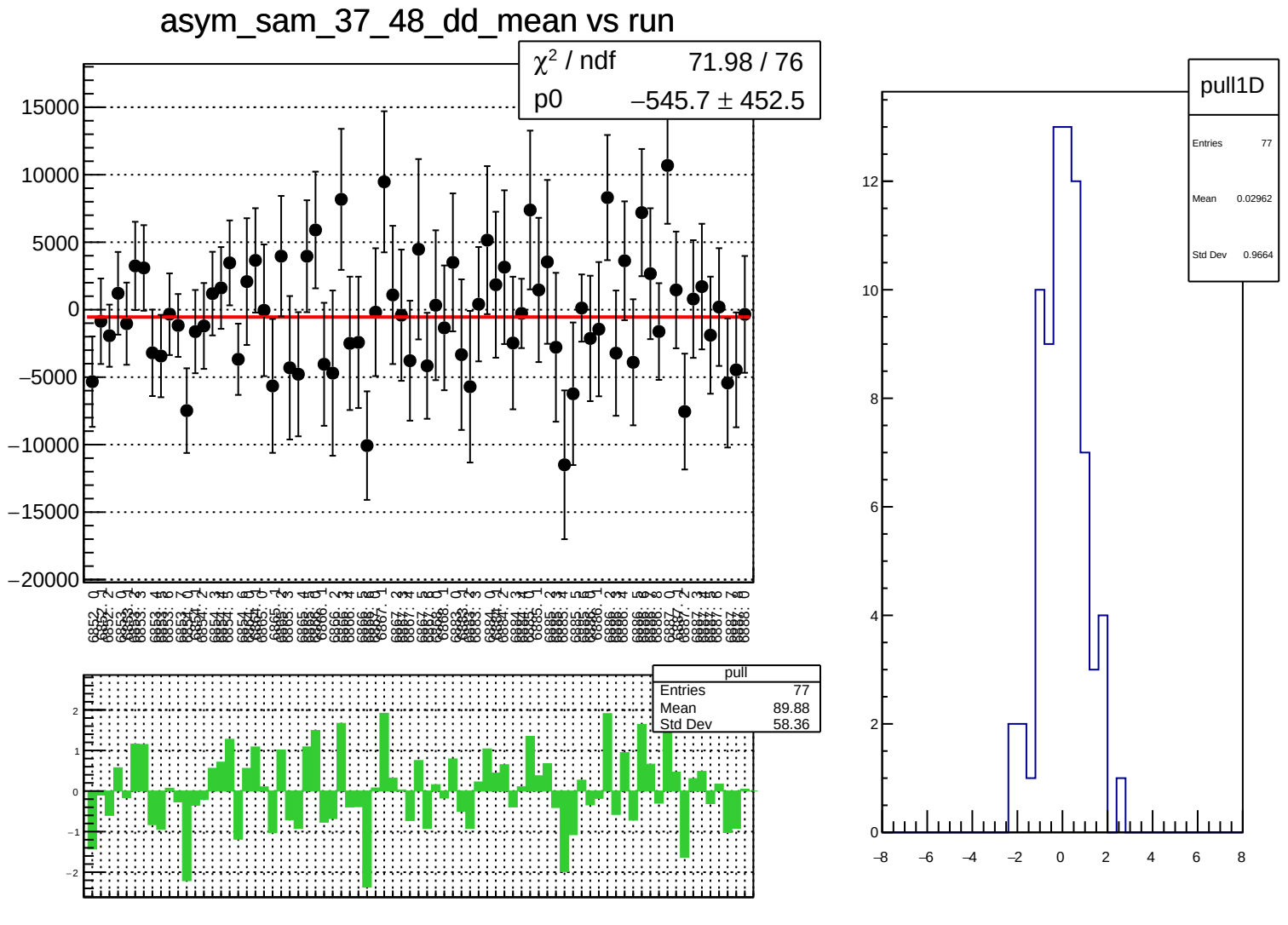

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 63.76 / 76
p0 −96.7 ± 81.12
pull
Entries 77
Mean 95.29
Std Dev 48.1
pull1D
Entries 77
Mean 0.007592
Std Dev 0.91

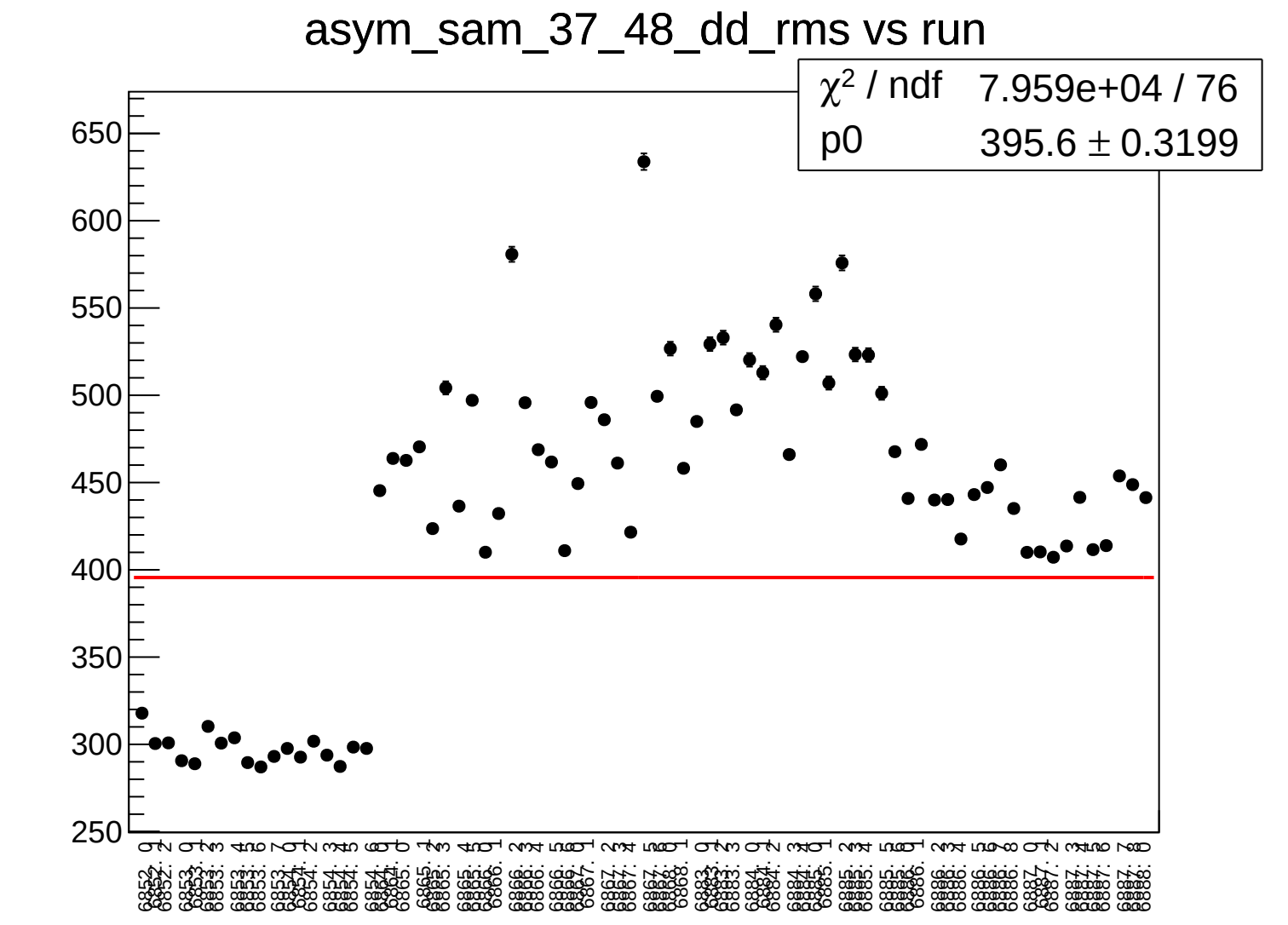
dit_asym_sam_37_48_dd_rms vs run

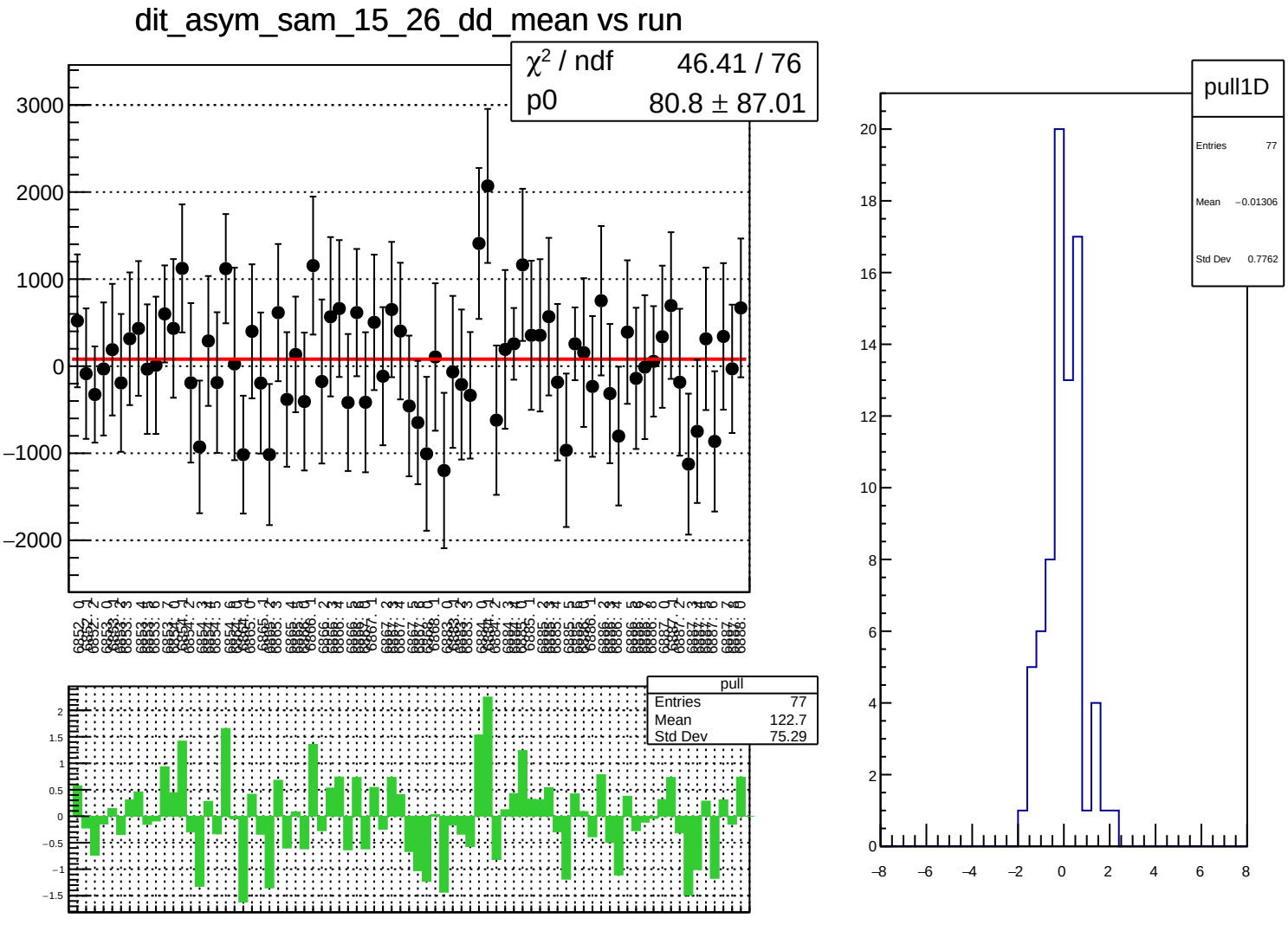


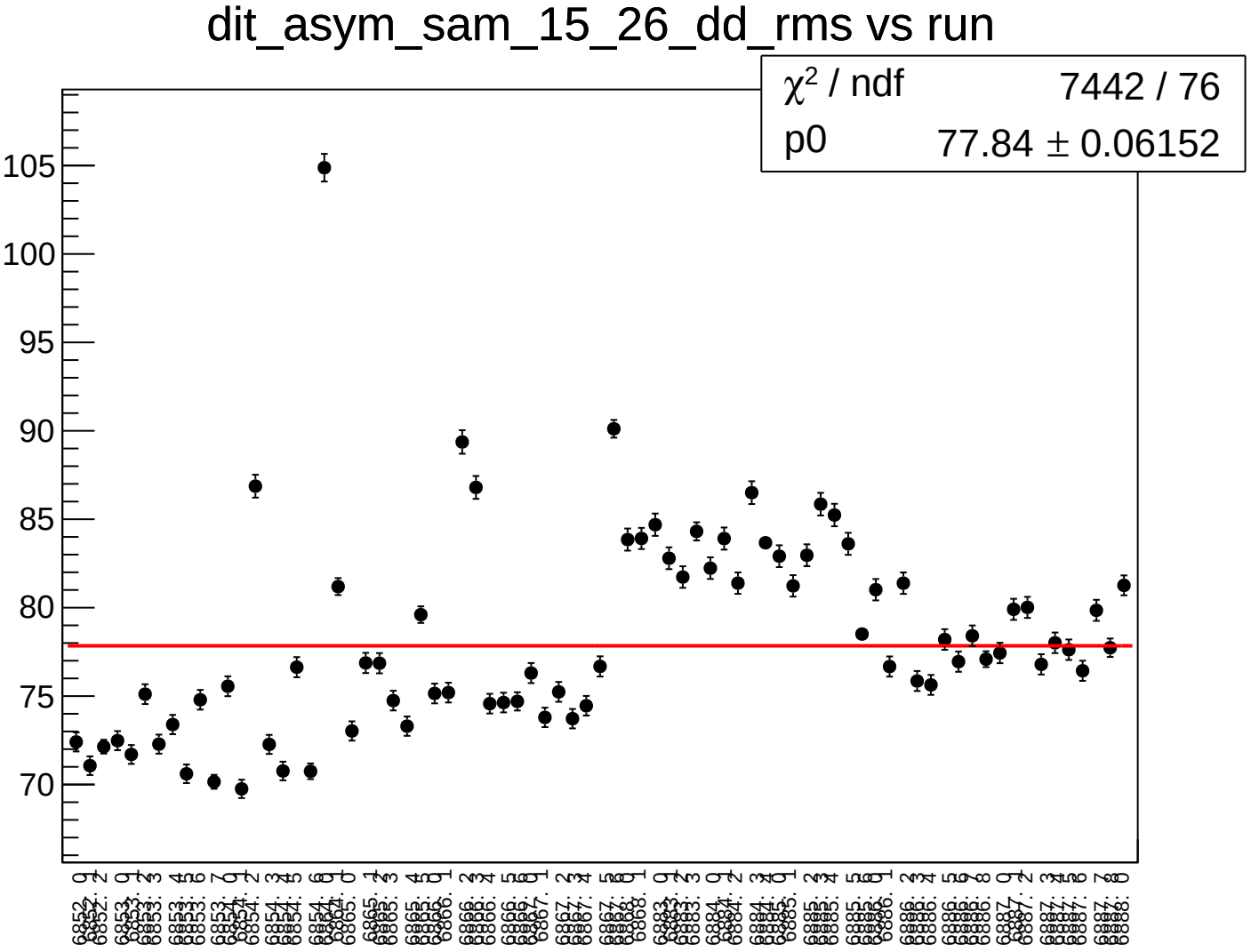

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 69.35 / 76
p0 437.3 ± 460
pull
Entries 77
Mean 91.36
Std Dev 61.05
pull1D
Entries 77
Mean −0.02611
Std Dev 0.9486

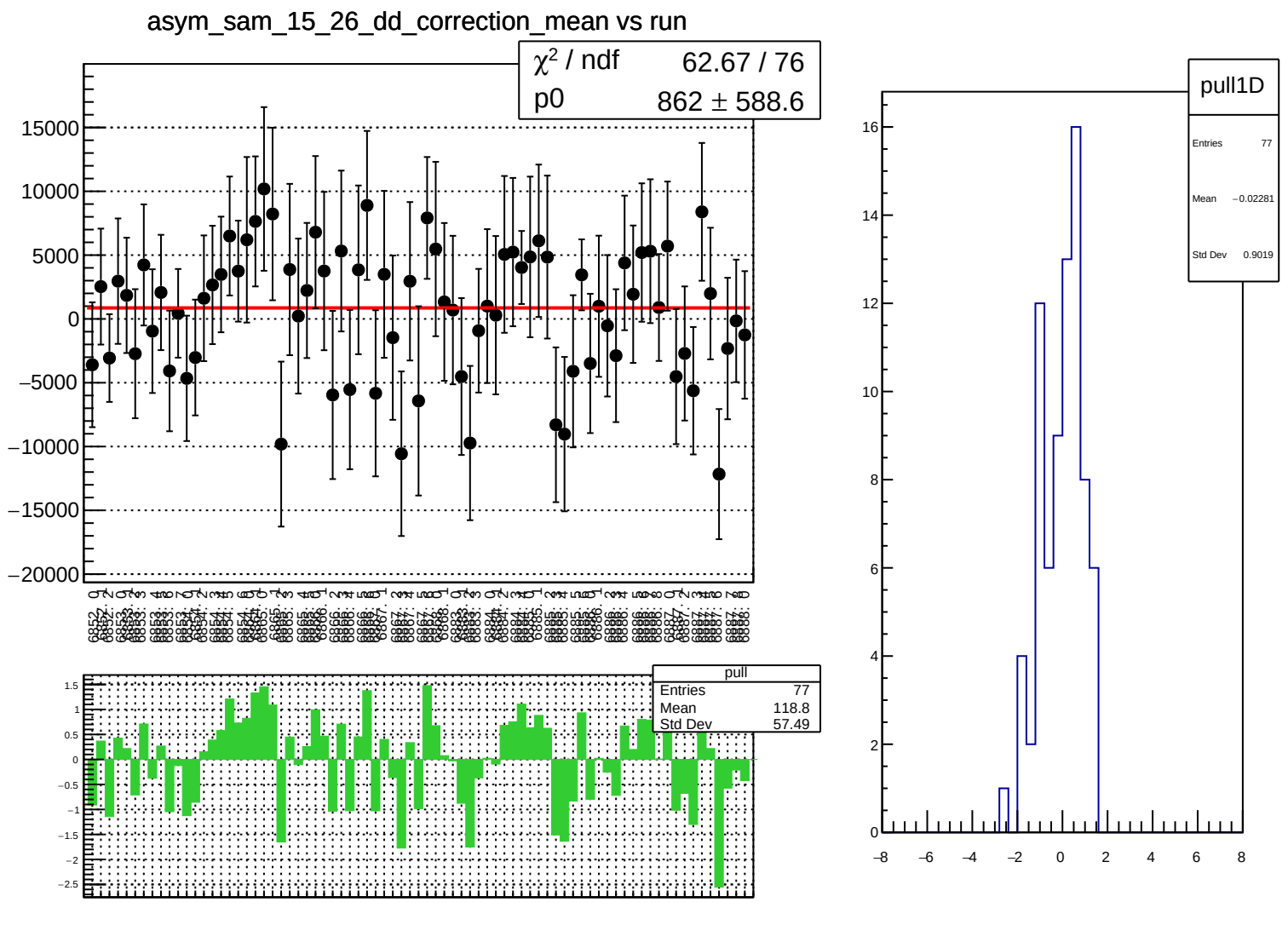

asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 7.652e+04 / 76
p0 402.6 ± 0.3253
650
600
550
500
450
400
350
300


asym_sam_37_48_dd_mean vs run
χ² / ndf 71.98 / 76
p0 −545.7 ± 452.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 77
Mean 89.88
Std Dev 58.36
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02962
Std Dev 0.9664
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

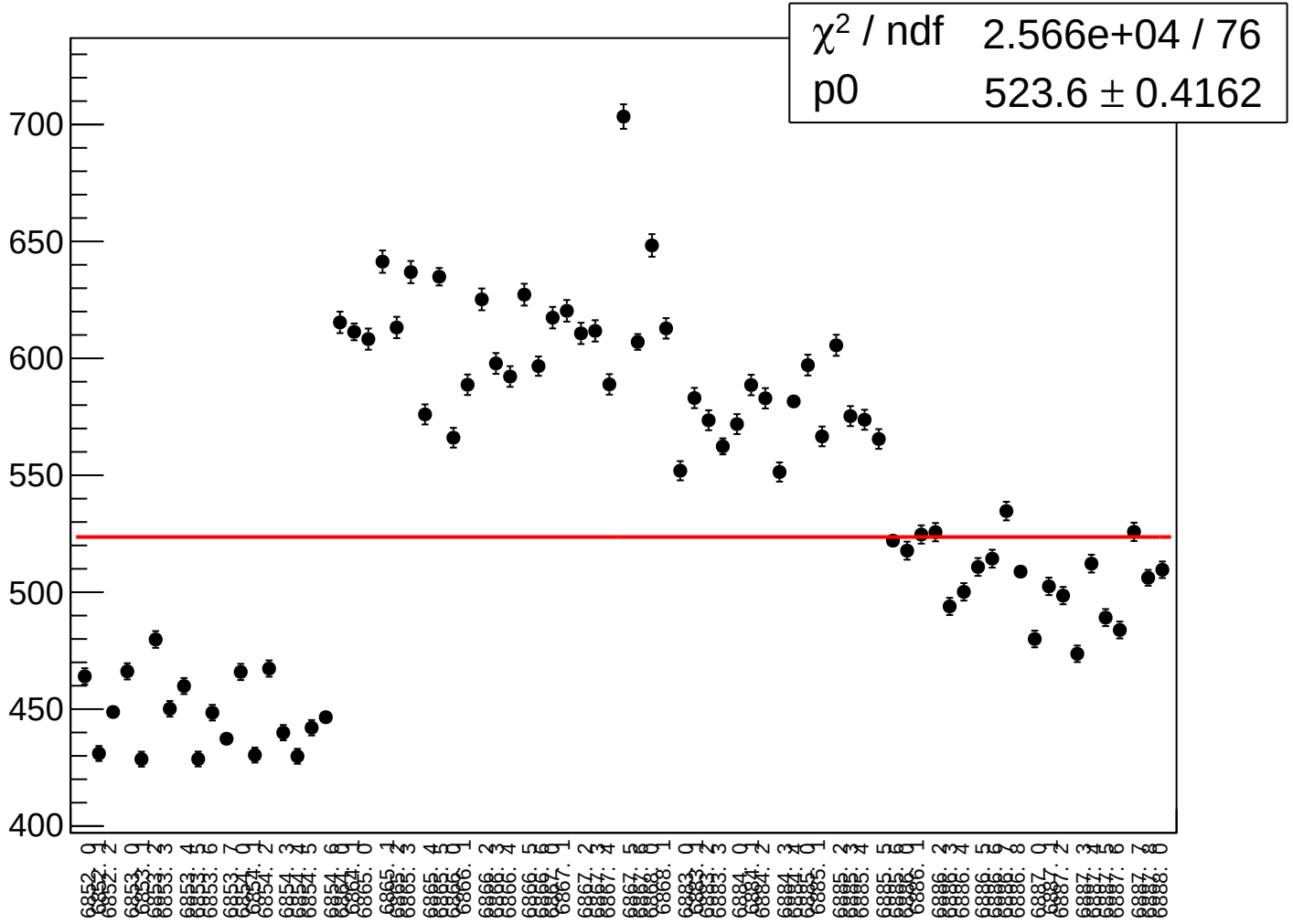

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 7.959e+04 / 76
p0 395.6 ± 0.3199
650
600
550
500
450
400
350
300
250

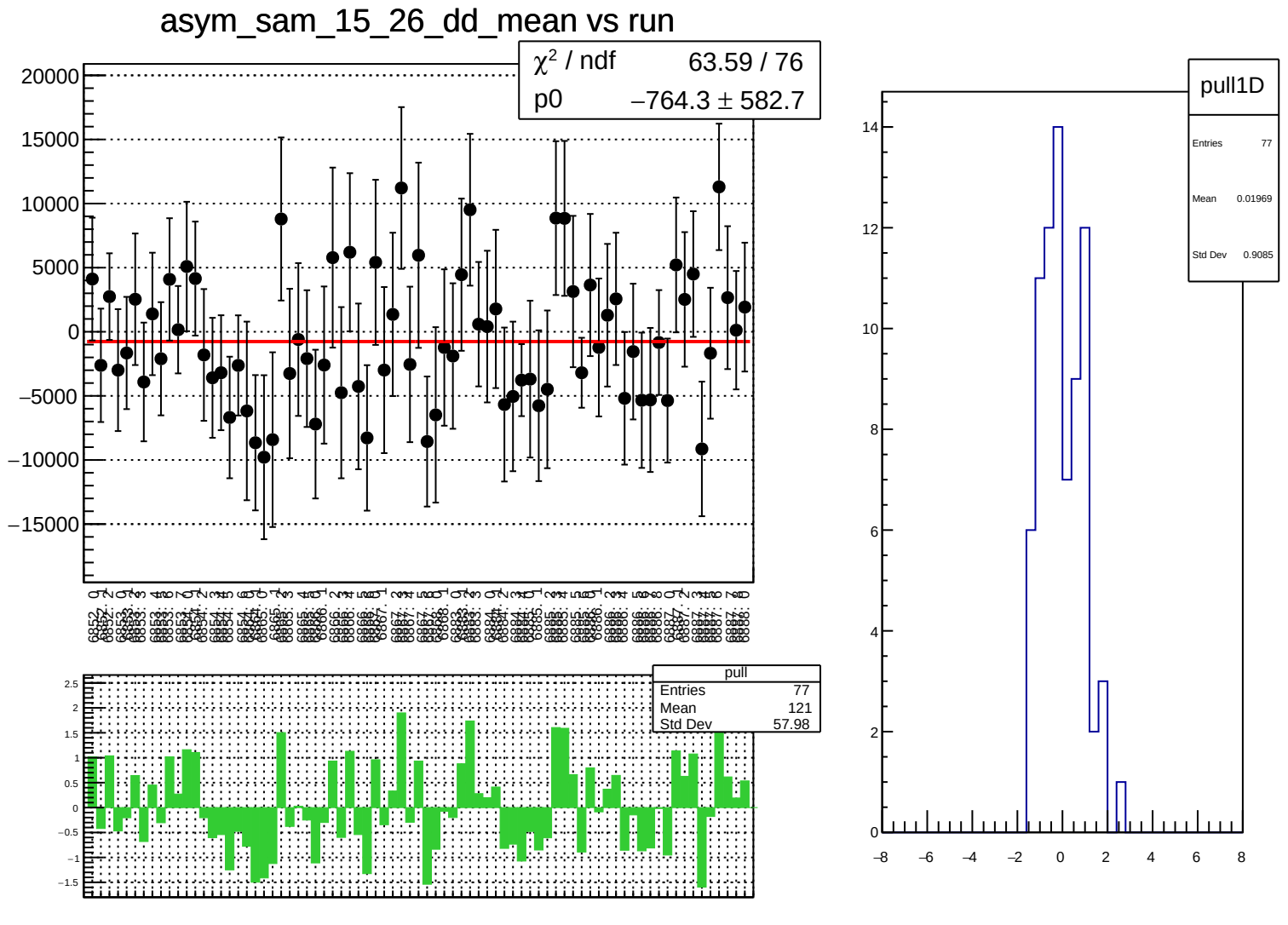

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 46.41 / 76
p0 80.8 ± 87.01
pull
Entries 77
Mean 122.7
Std Dev 75.29
pull1D
Entries 77
Mean −0.01306
Std Dev 0.7762

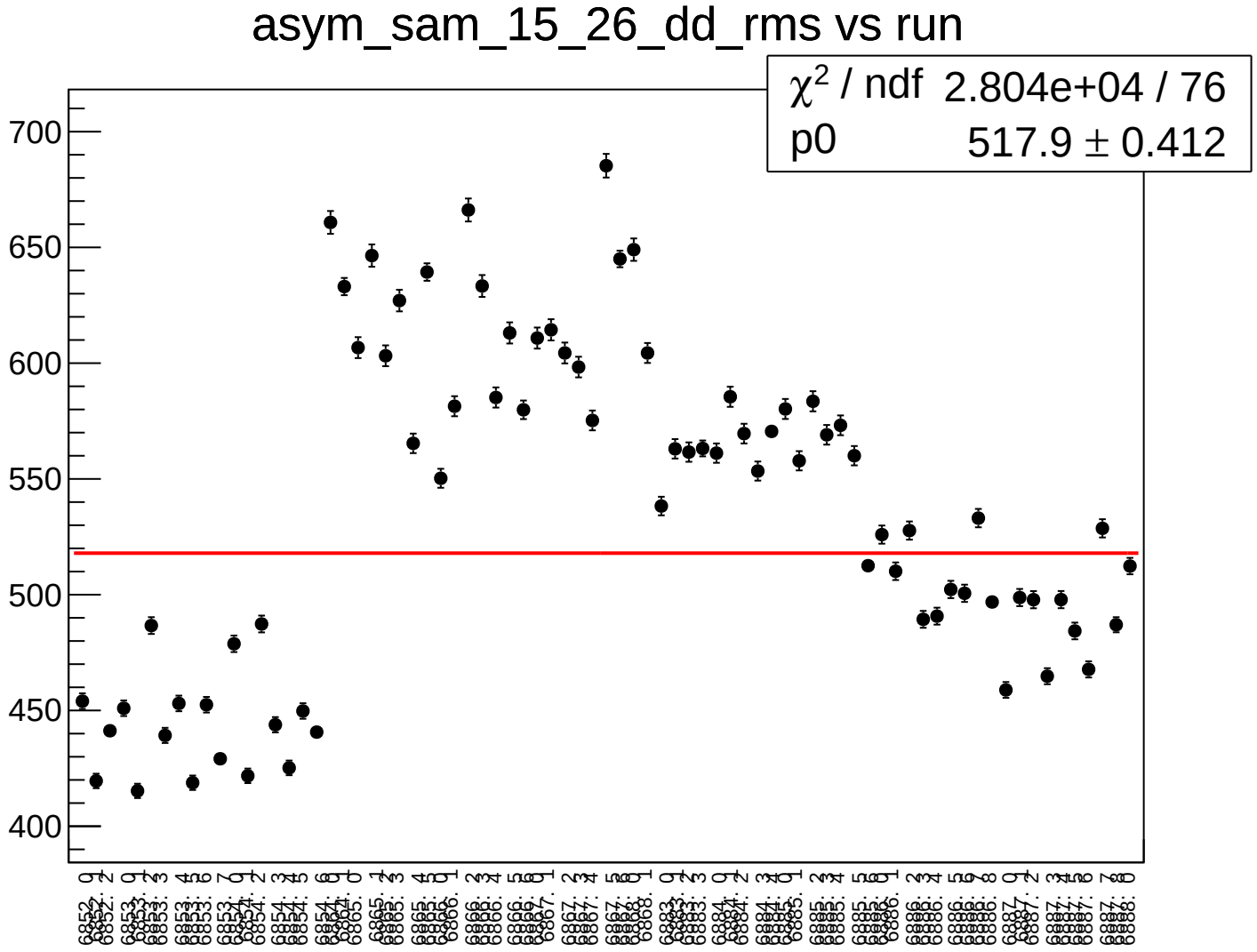

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 7442 / 76
p0 77.84 ± 0.06152
105
100
95
90
85
80
75
70

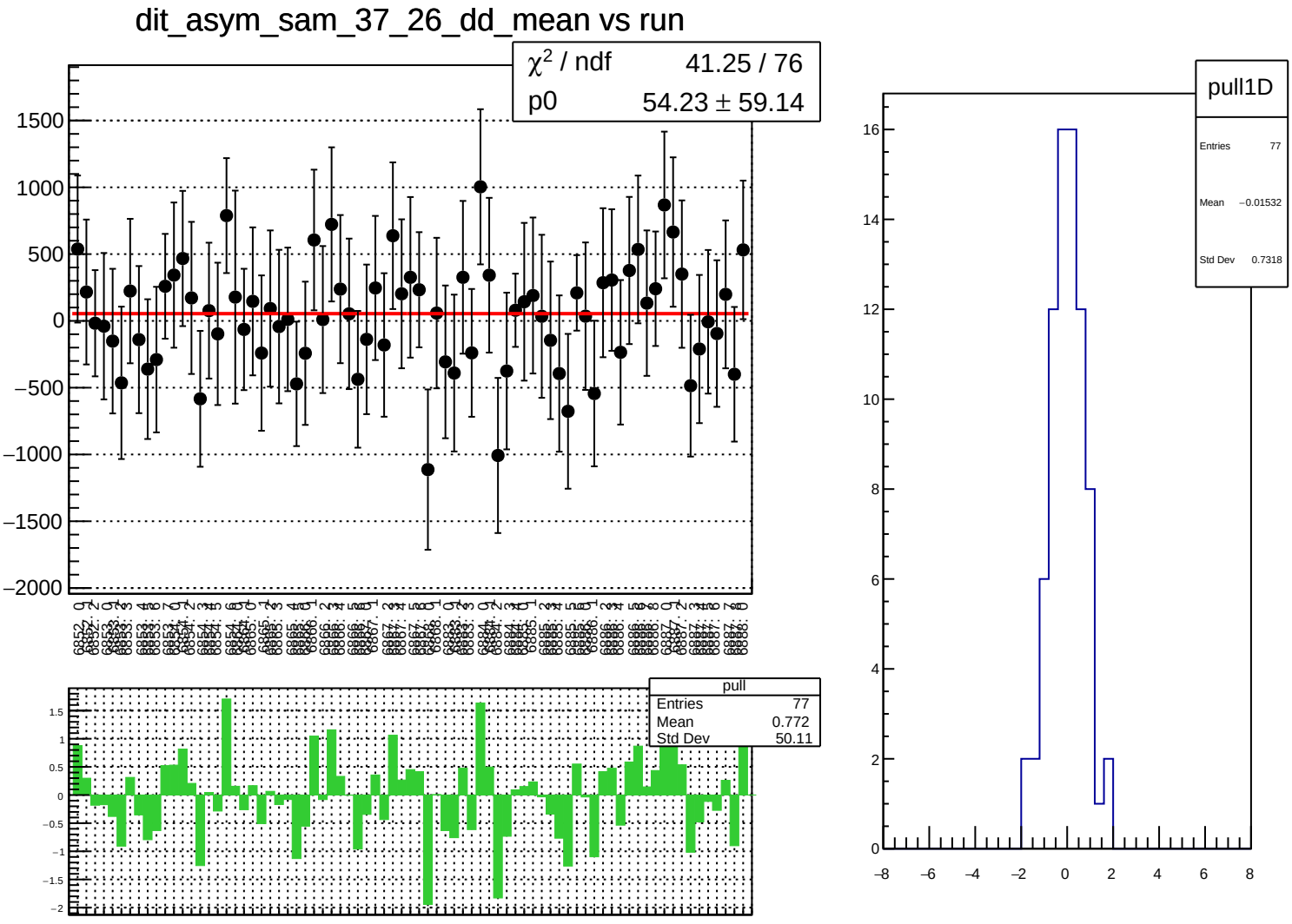

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 62.67 / 76
p0 862 ± 588.6
pull
Entries 77
Mean 118.8
Std Dev 57.49
pull1D
Entries 77
Mean −0.02281
Std Dev 0.9019

asym_sam_15_26_dd_correction_rms vs run

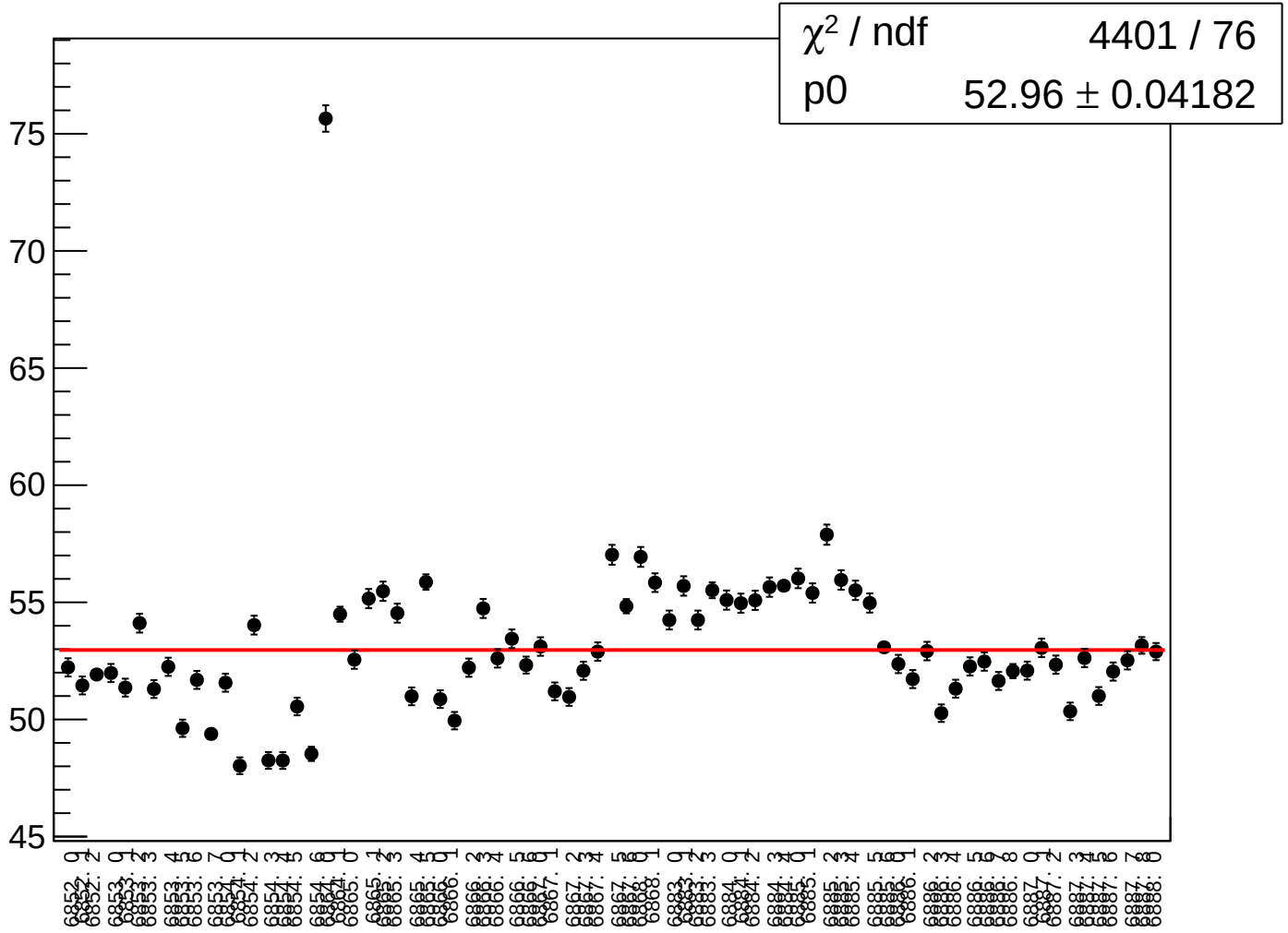


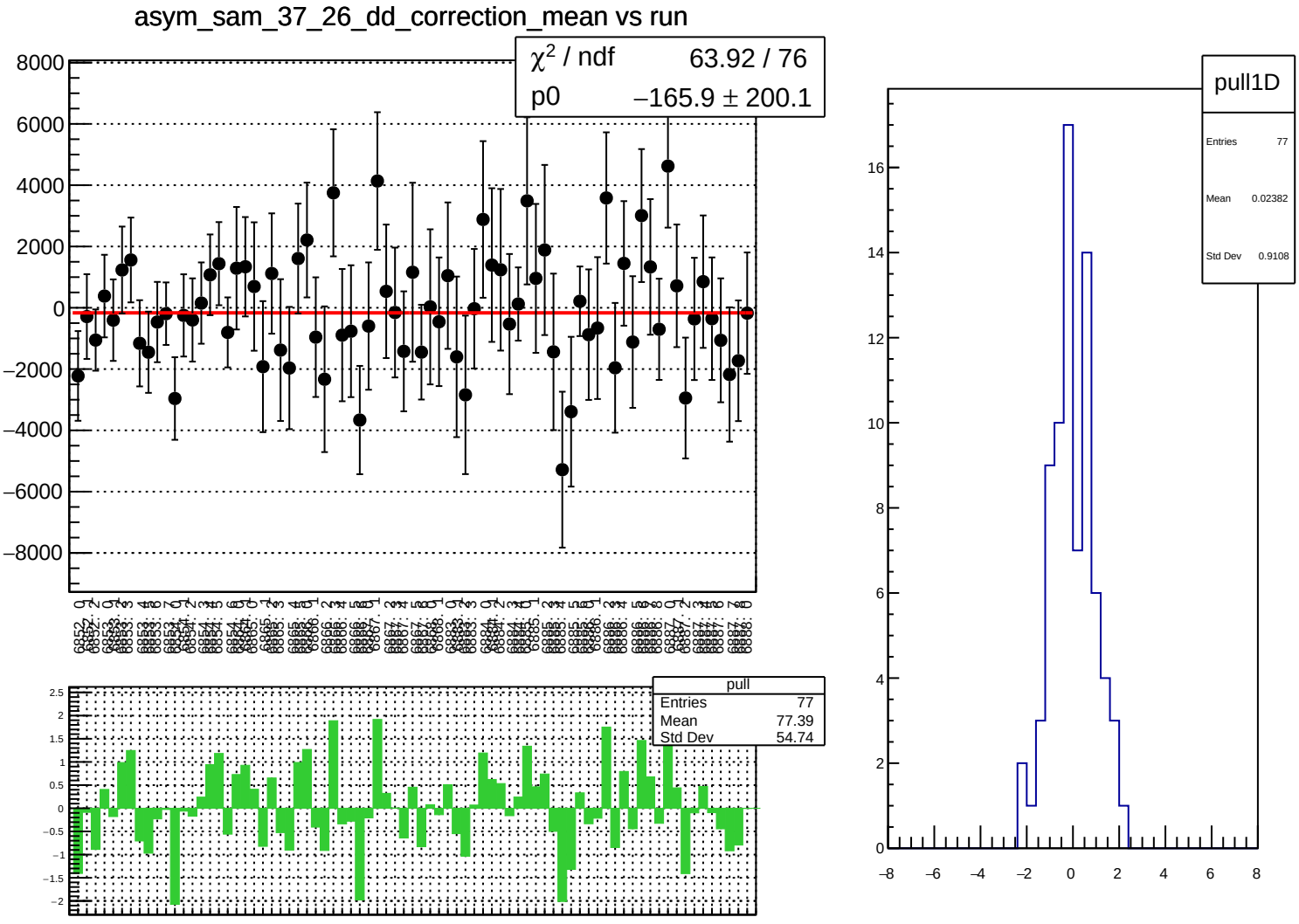

asym_sam_15_26_dd_mean vs run
χ² / ndf 63.59 / 76
p0 −764.3 ± 582.7
pull
Entries 77
Mean 121
Std Dev 57.98
pull1D
Entries 77
Mean 0.01969
Std Dev 0.9085


asym_sam_15_26_dd_rms vs run
χ² / ndf 2.804e+04 / 76
p0 517.9 ± 0.412
700
650
600
550
500
450
400

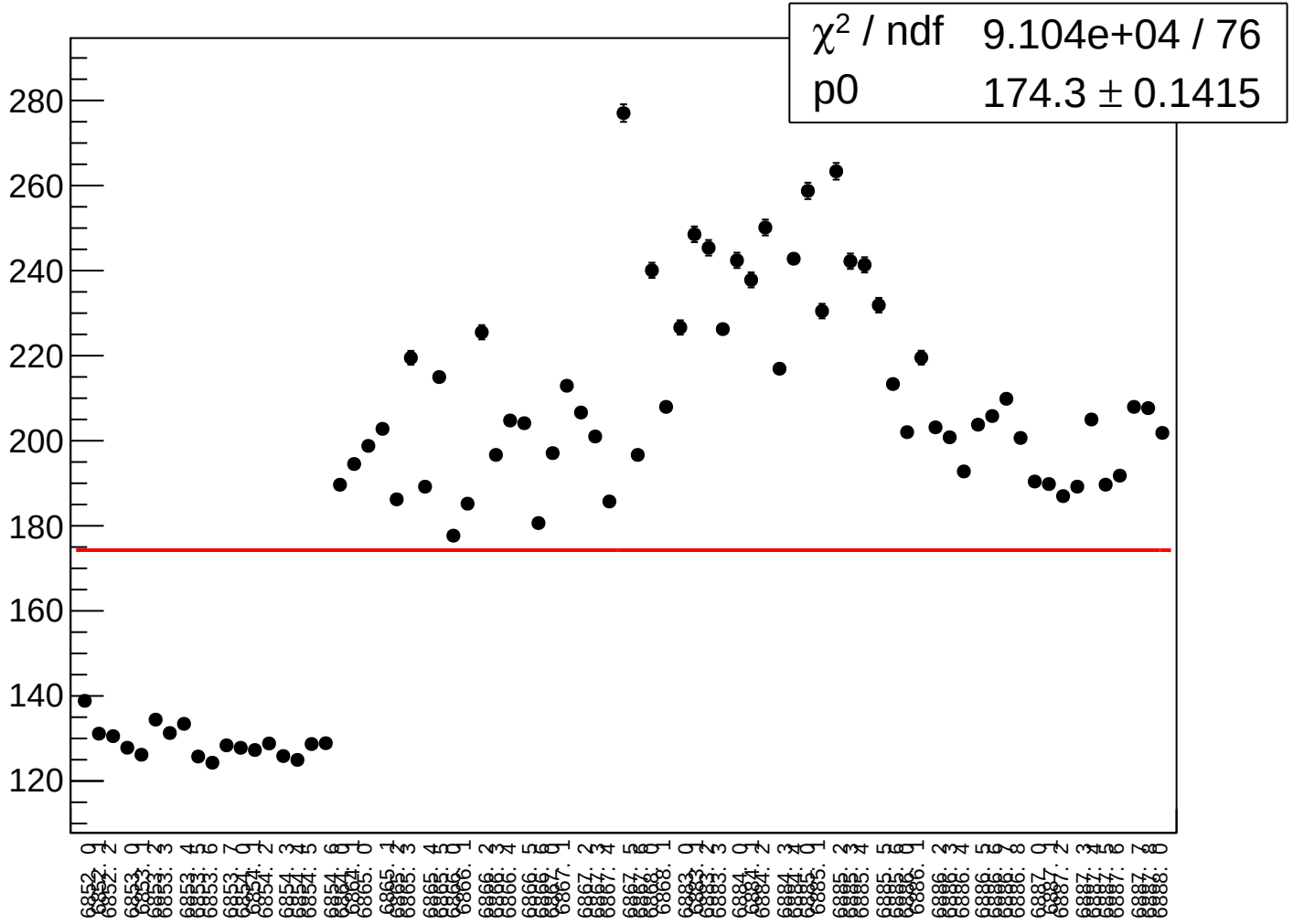

dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 41.25 / 76
p0 54.23 ± 59.14
pull
Entries 77
Mean 0.772
Std Dev 50.11
pull1D
Entries 77
Mean −0.01532
Std Dev 0.7318

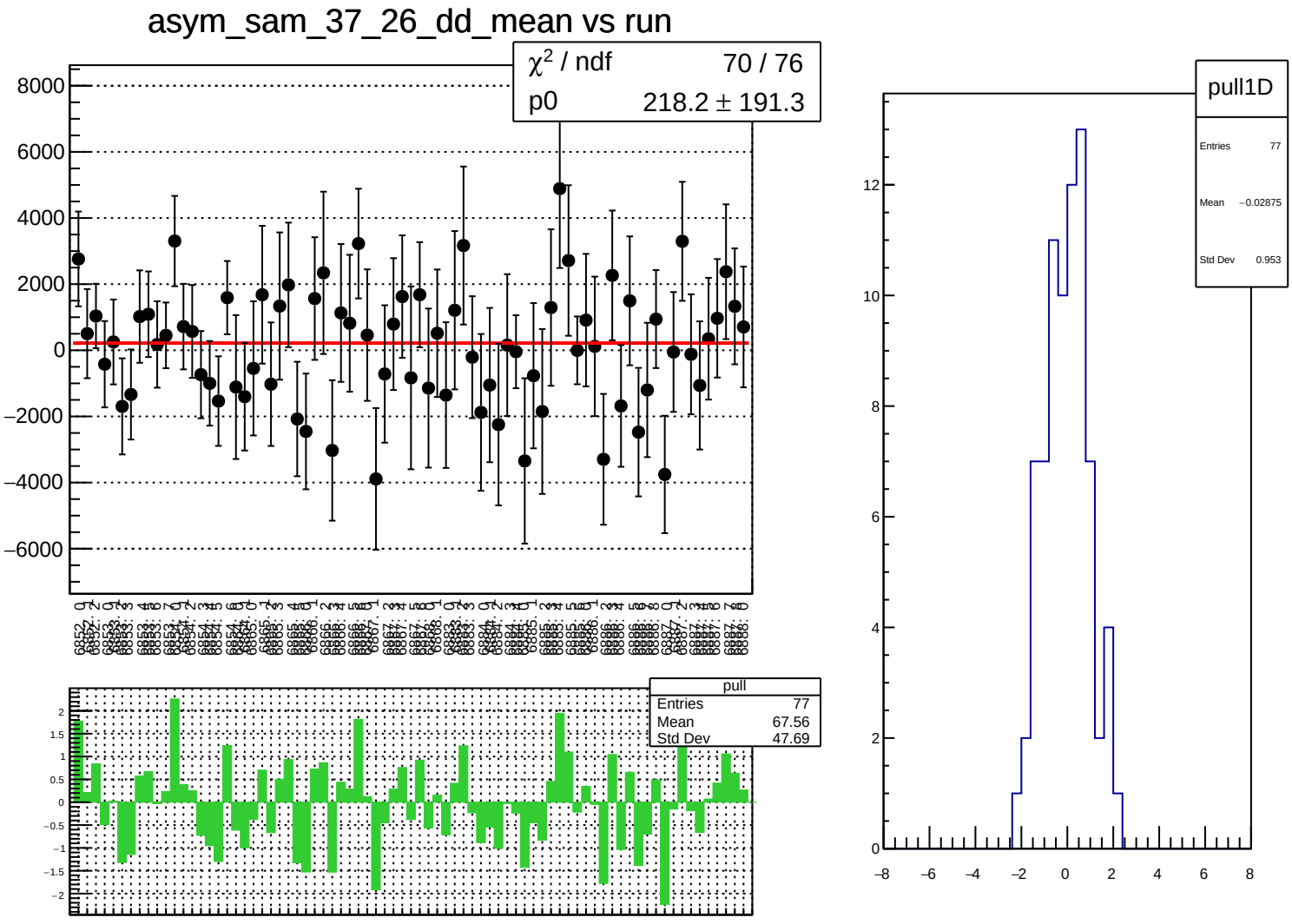
dit_asym_sam_37_26_dd_rms vs run

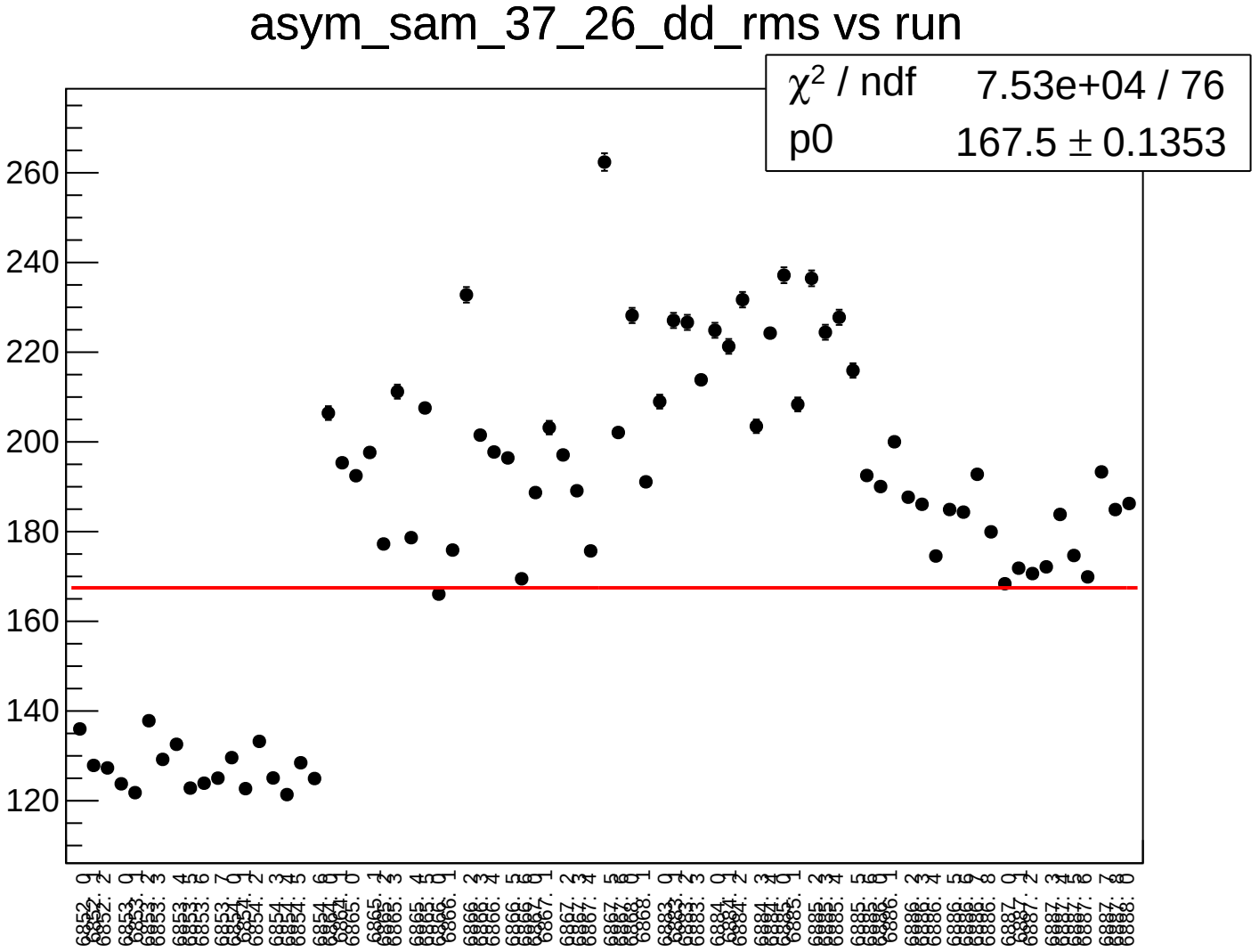


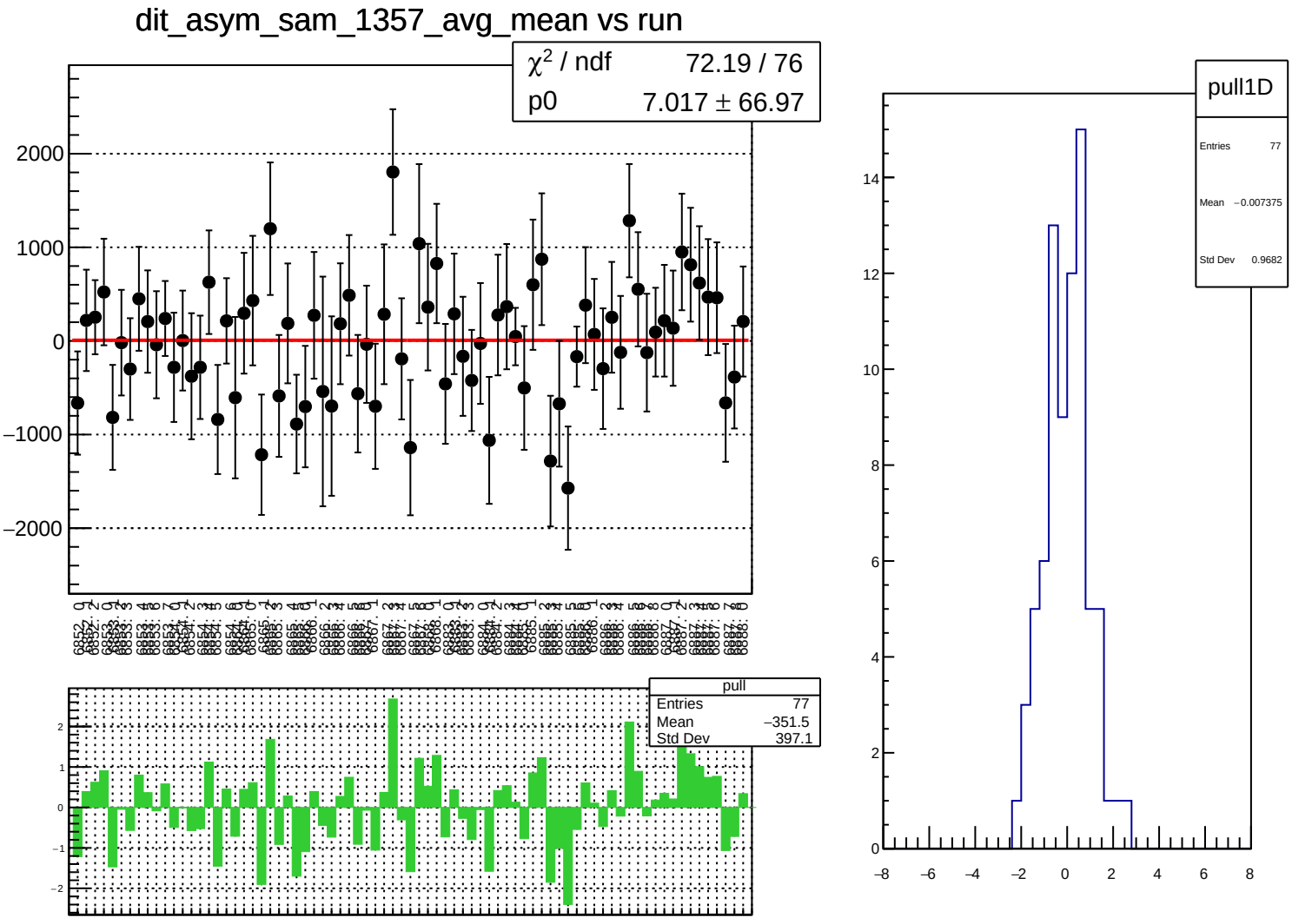

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 63.92 / 76
p0 −165.9 ± 200.1
pull
Entries 77
Mean 77.39
Std Dev 54.74
pull1D
Entries 77
Mean 0.02382
Std Dev 0.9108

asym_sam_37_26_dd_correction_rms vs run

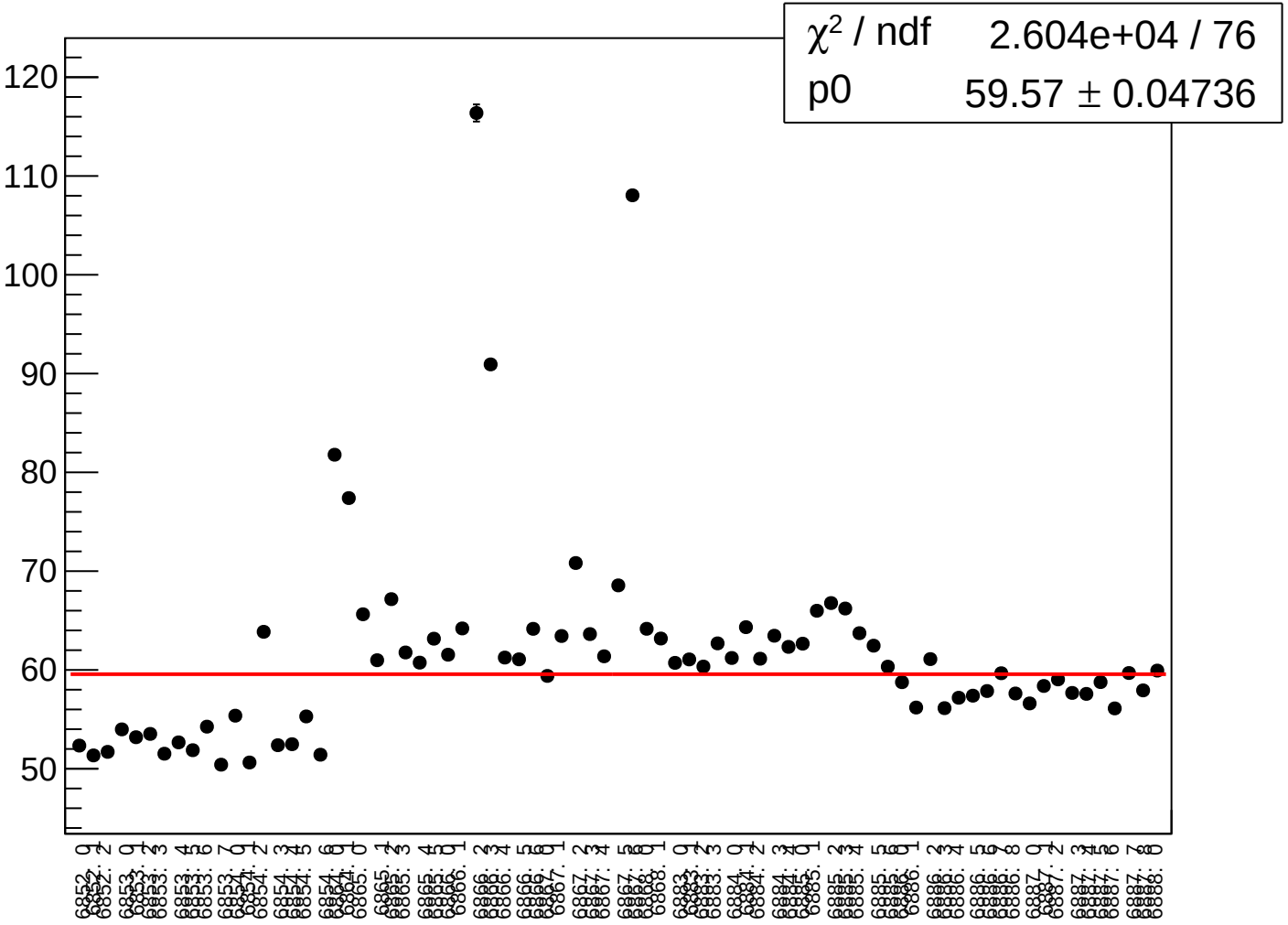


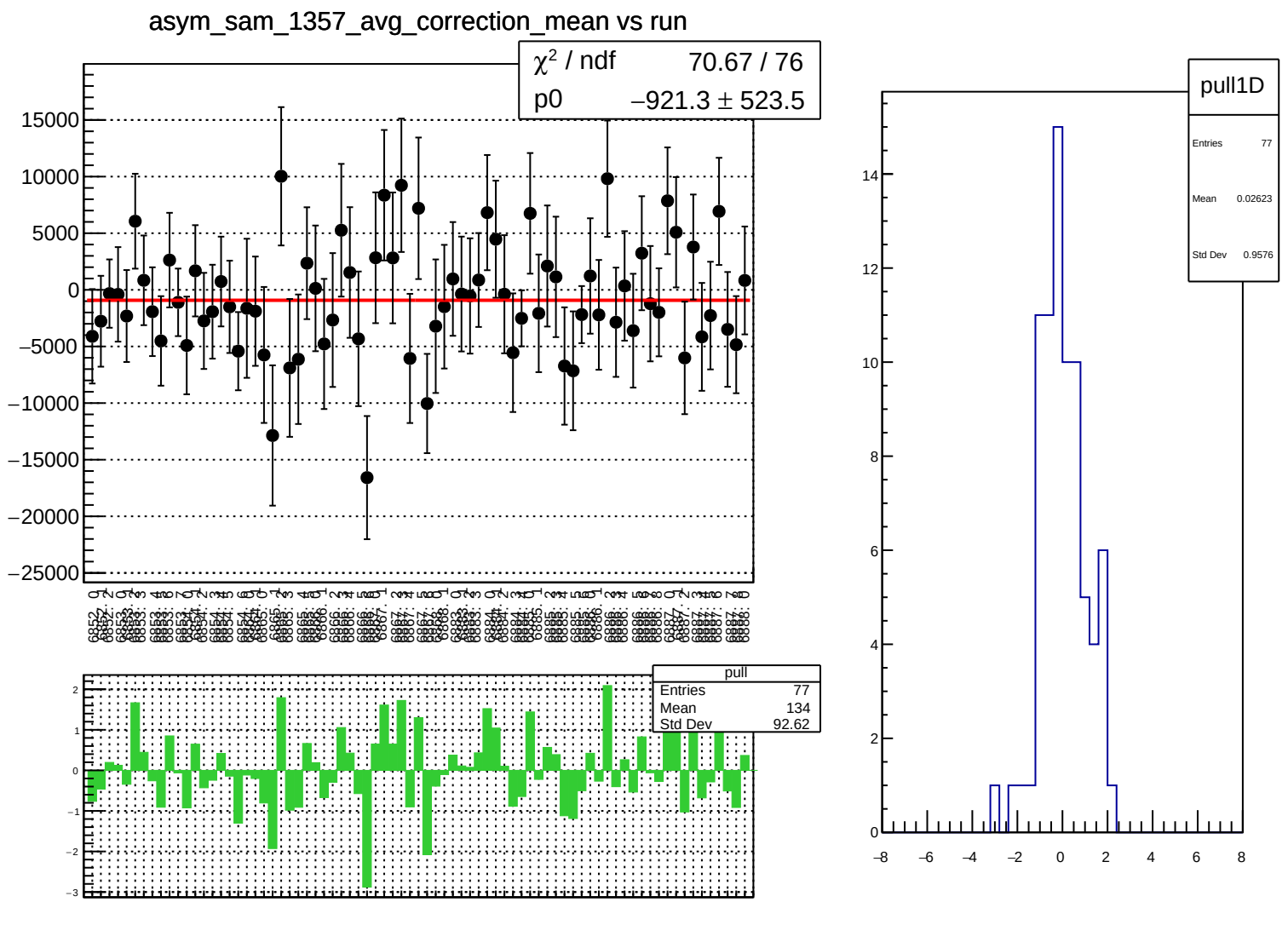

asym_sam_37_26_dd_mean vs run
χ² / ndf 70 / 76
p0 218.2 ± 191.3
pull
Entries 77
Mean 67.56
Std Dev 47.69
pull1D
Entries 77
Mean −0.02875
Std Dev 0.953


asym_sam_37_26_dd_rms vs run
χ^2 / ndf 7.53e+04 / 76
p0 167.5 ± 0.1353
260
240
220
200
180
160
140
120

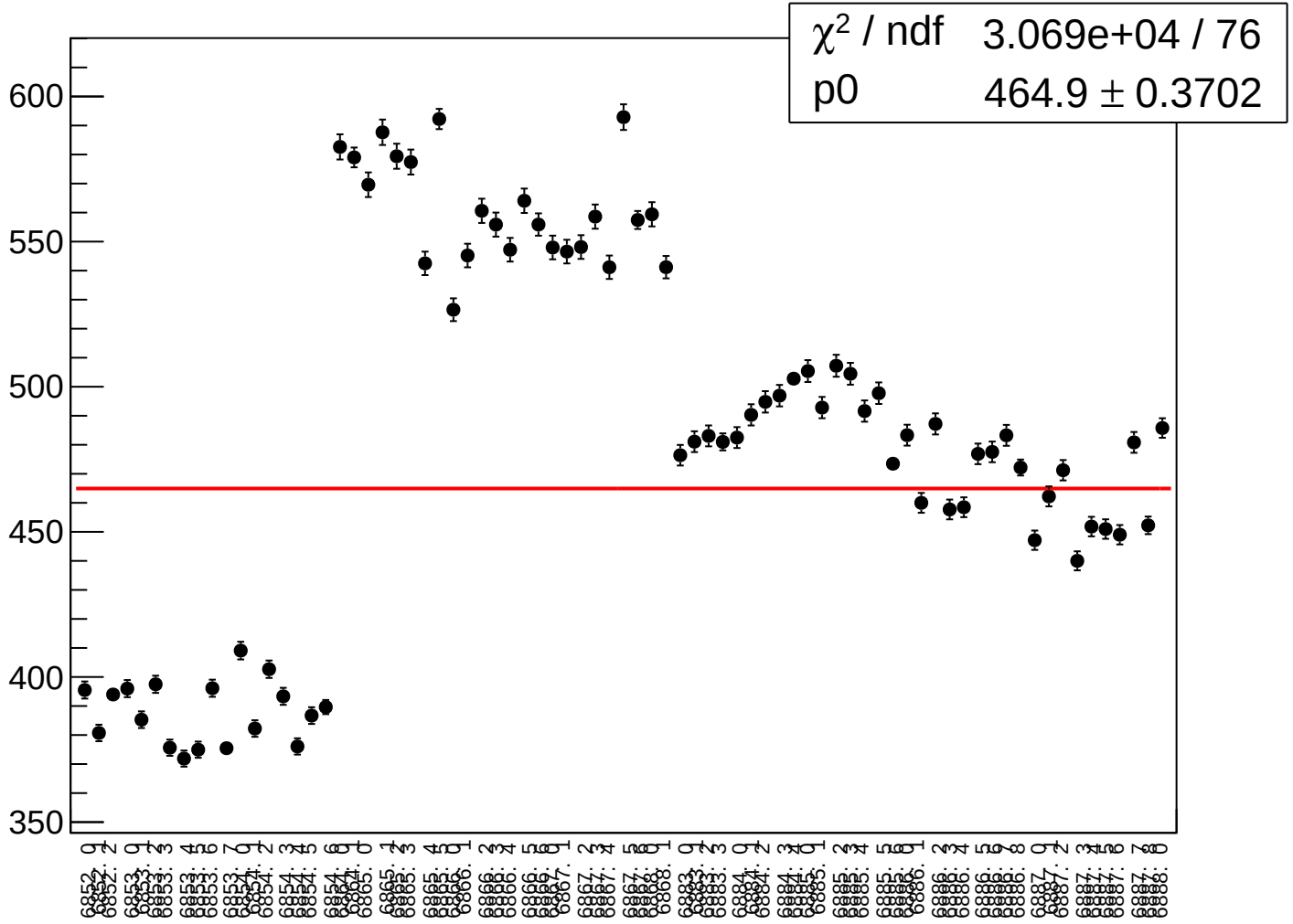

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 72.19 / 76
p0 7.017 ± 66.97
2000
1000
0
−1000
−2000
pull
Entries 77
Mean −351.5
Std Dev 397.1
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.007375
Std Dev 0.9682
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

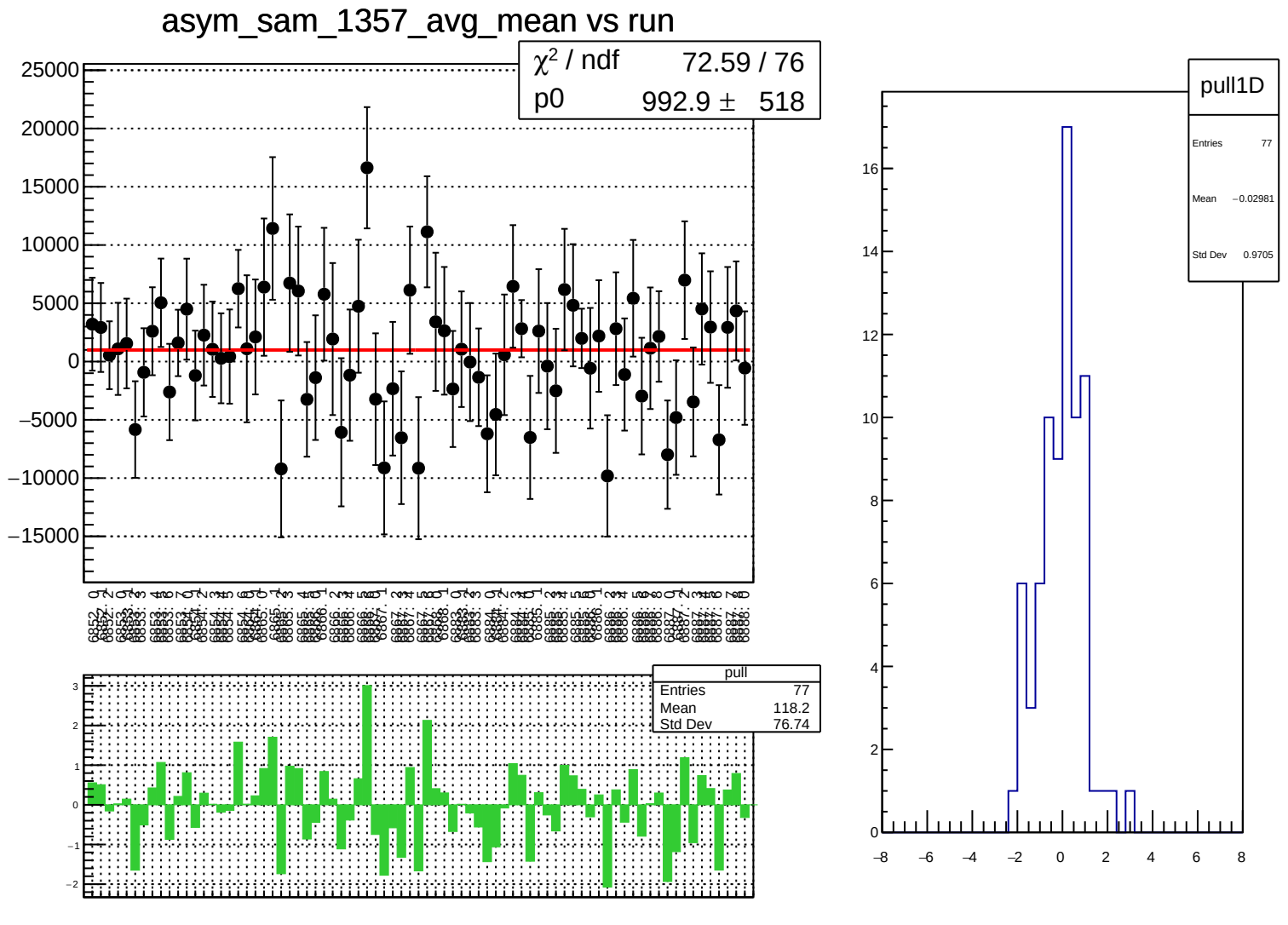
dit_asym_sam_1357_avg_rms vs run



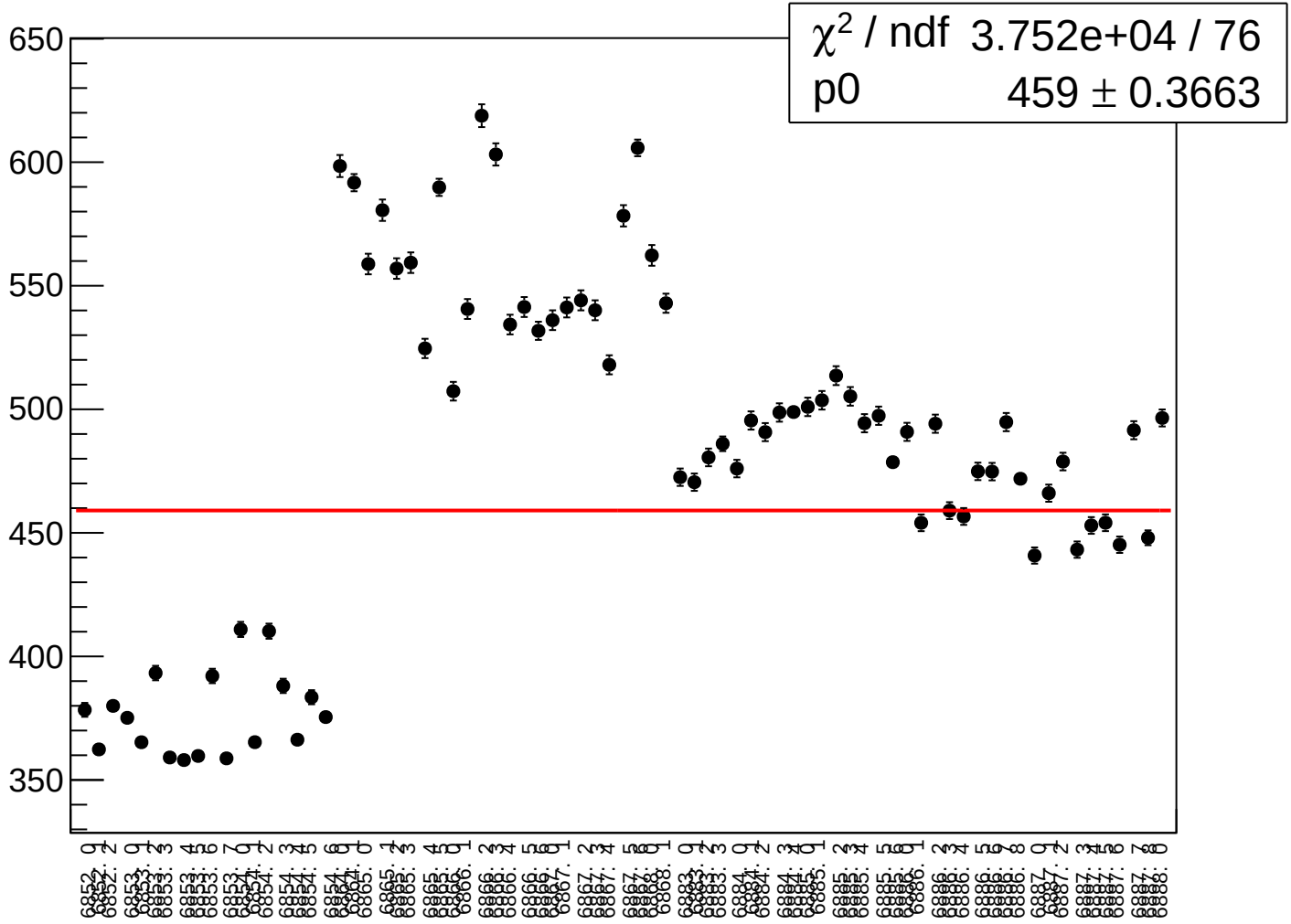

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 70.67 / 76
p0 −921.3 ± 523.5
pull
Entries 77
Mean 134
Std Dev 92.62
pull1D
Entries 77
Mean 0.02623
Std Dev 0.9576

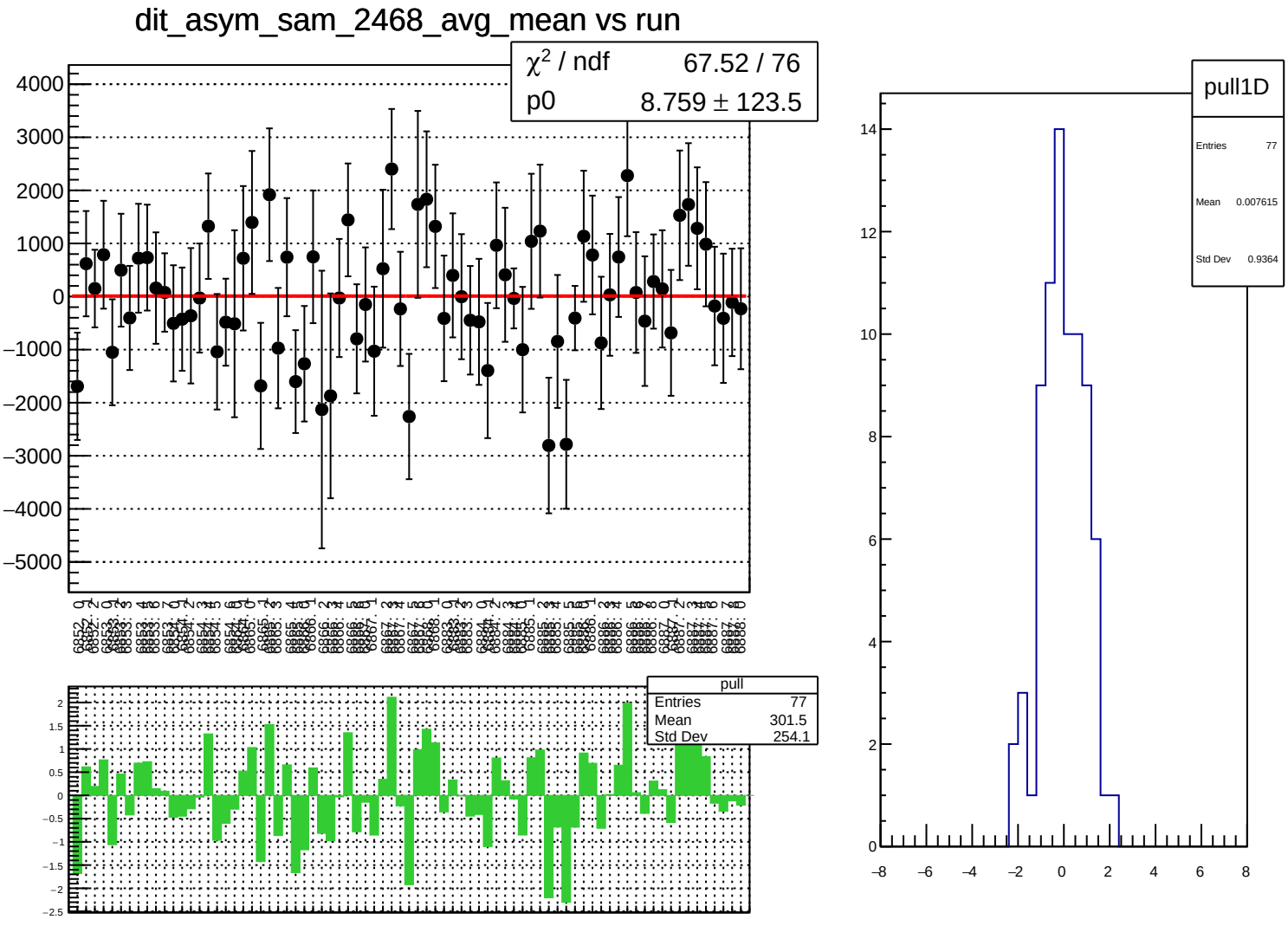
asym_sam_1357_avg_correction_rms vs run



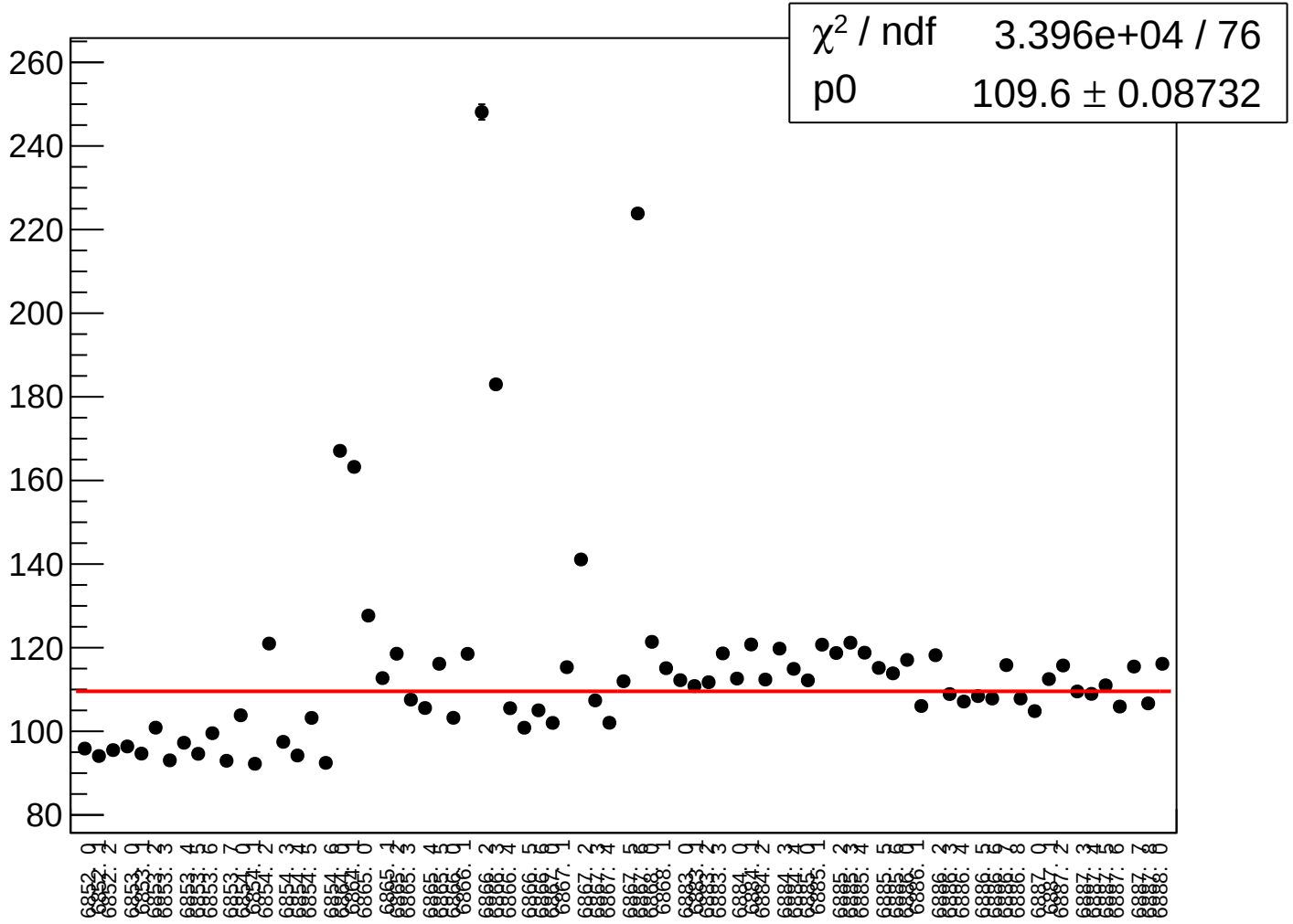

asym_sam_1357_avg_mean vs run
χ² / ndf 72.59 / 76
p0 992.9 ± 518
pull
Entries 77
Mean 118.2
Std Dev 76.74
pull1D
Entries 77
Mean −0.02981
Std Dev 0.9705

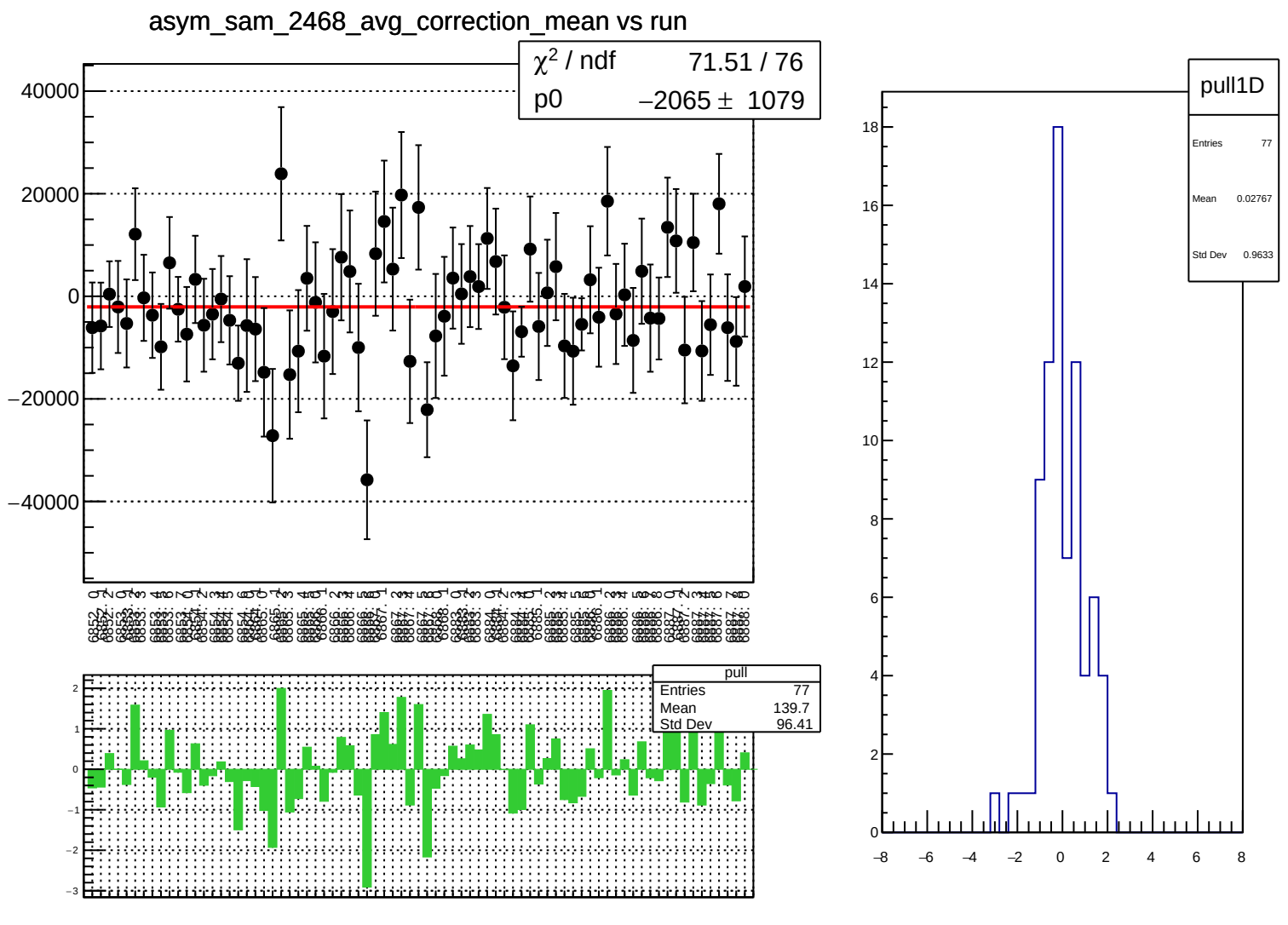
asym_sam_1357_avg_rms vs run



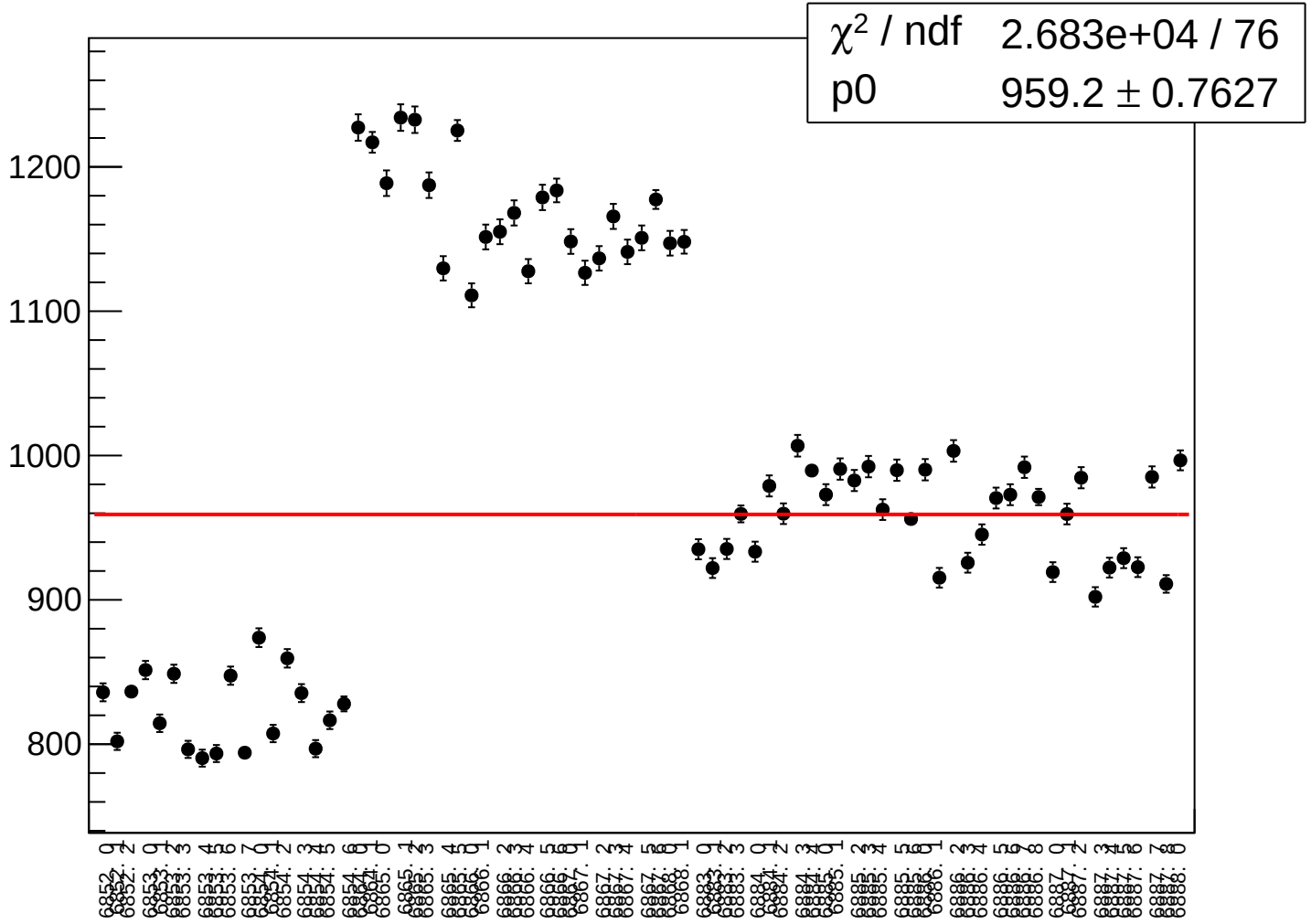

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 67.52 / 76
p0 8.759 ± 123.5
pull
Entries 77
Mean 301.5
Std Dev 254.1
pull1D
Entries 77
Mean 0.007615
Std Dev 0.9364

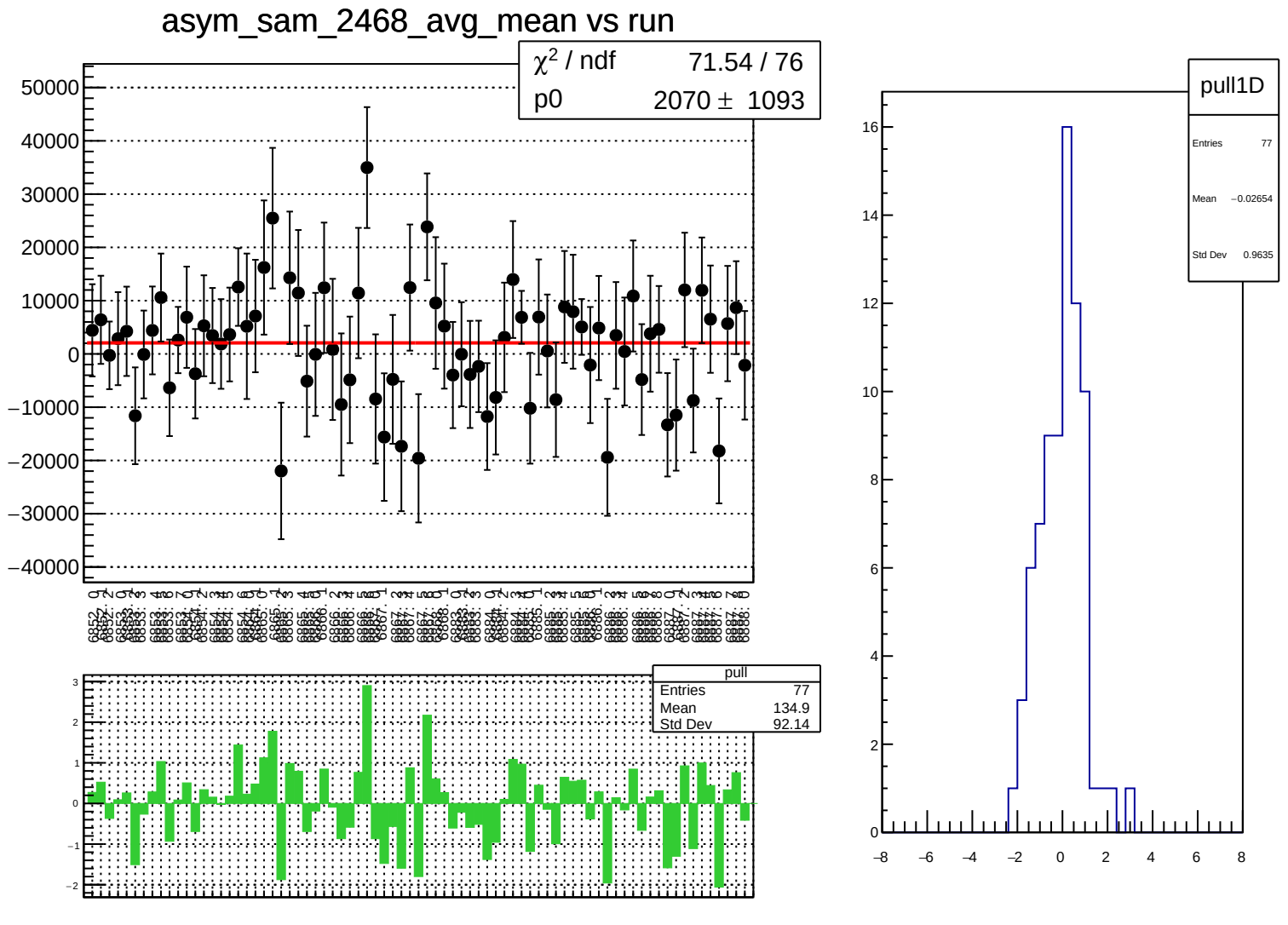
dit_asym_sam_2468_avg_rms vs run

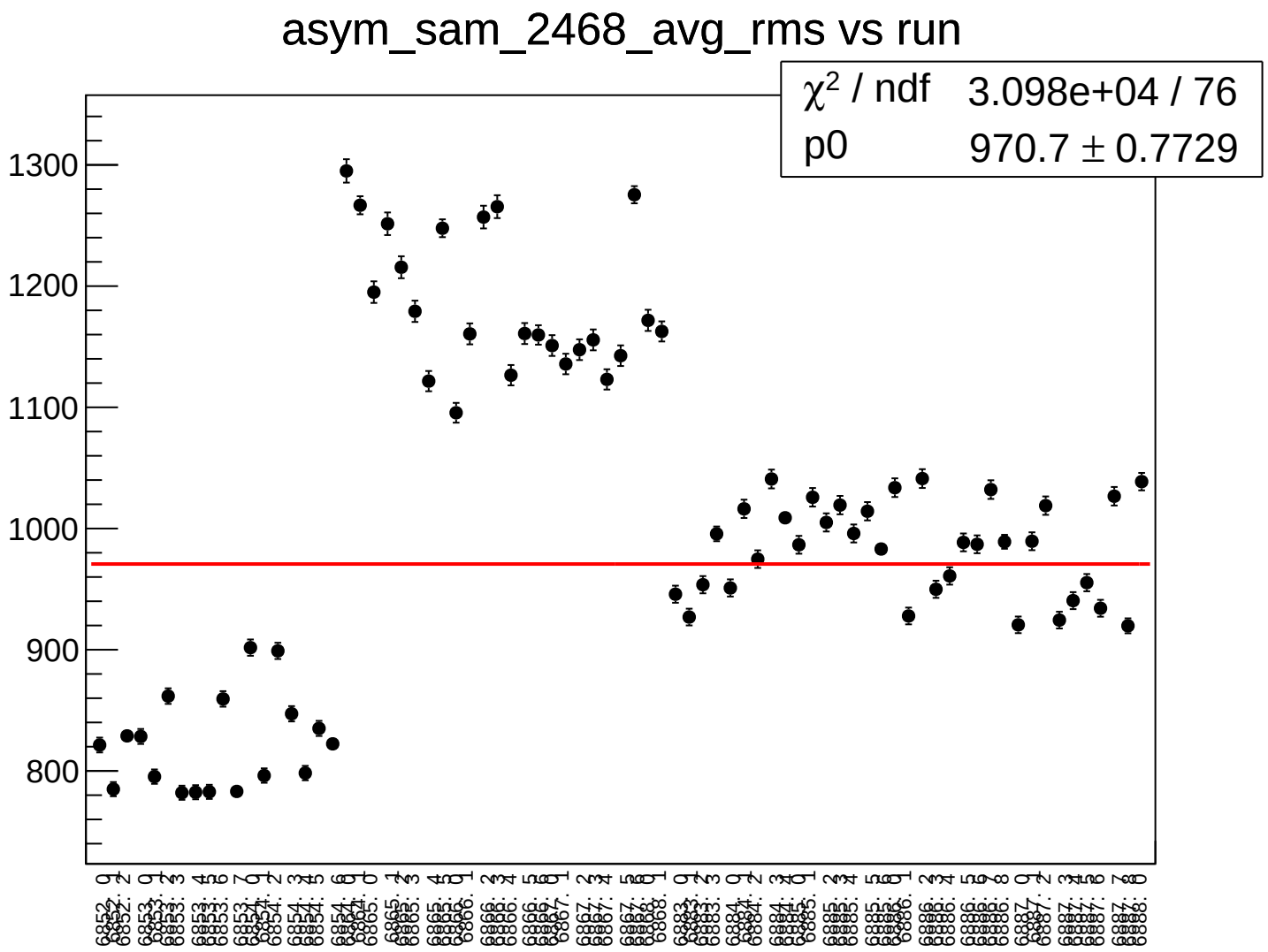


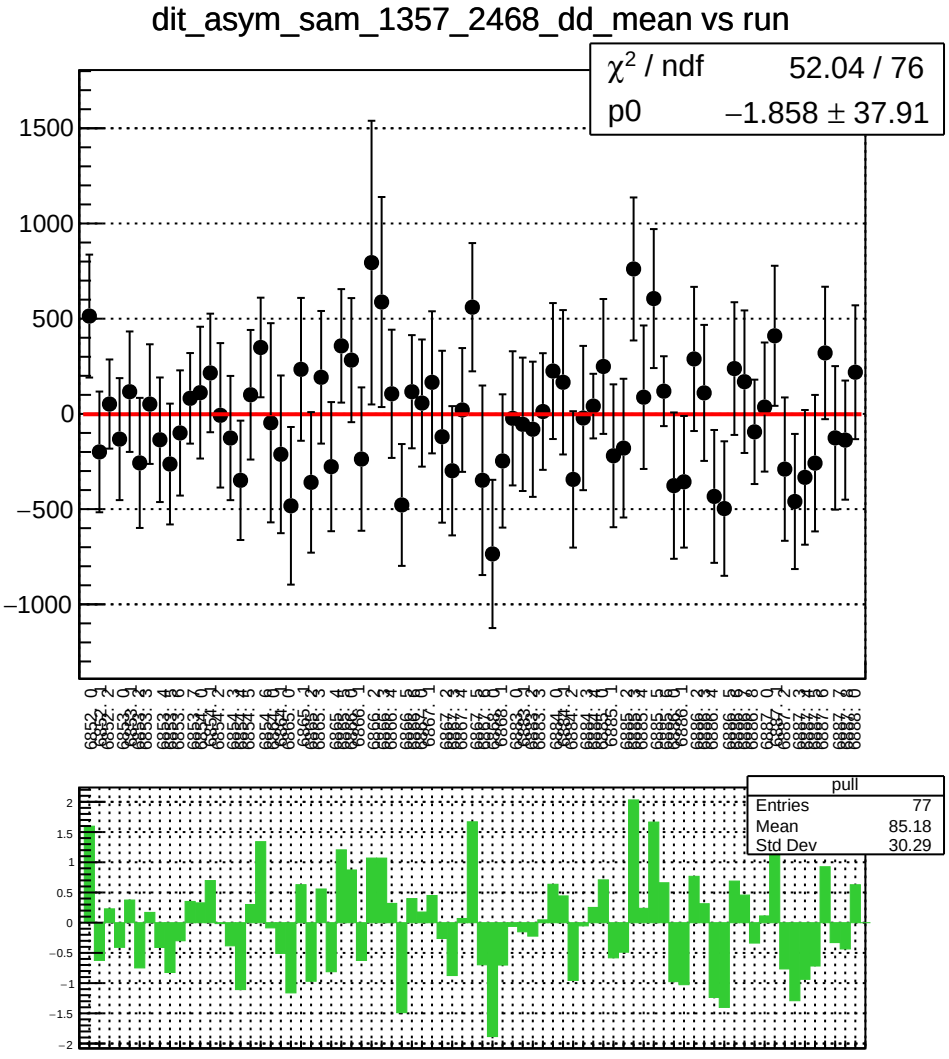

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 71.51 / 76
p0 −2065 ± 1079
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 139.7
Std Dev 96.41
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean 0.02767
Std Dev 0.9633
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

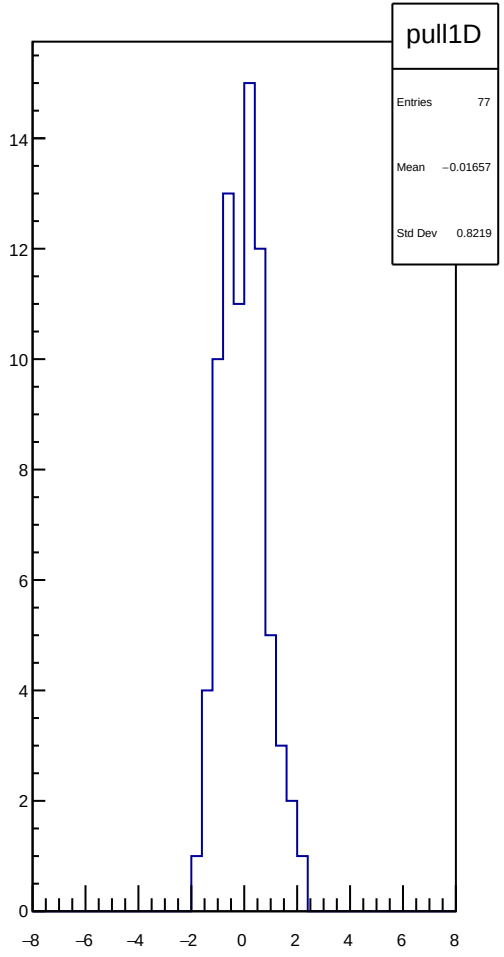
asym_sam_2468_avg_correction_rms vs run



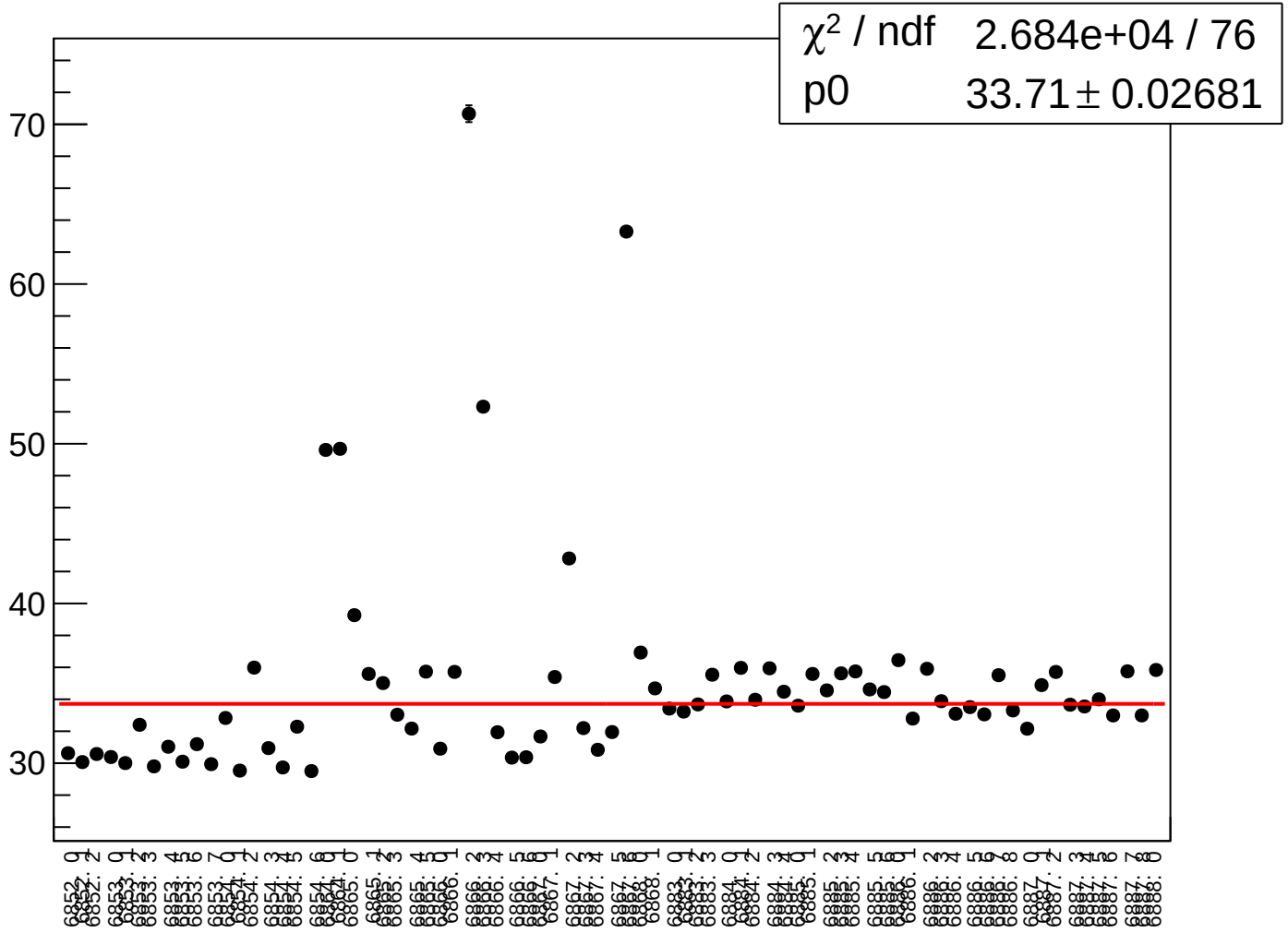

asym_sam_2468_avg_mean vs run
χ² / ndf 71.54 / 76
p0 2070 ± 1093
pull
Entries 77
Mean 134.9
Std Dev 92.14
pull1D
Entries 77
Mean −0.02654
Std Dev 0.9635

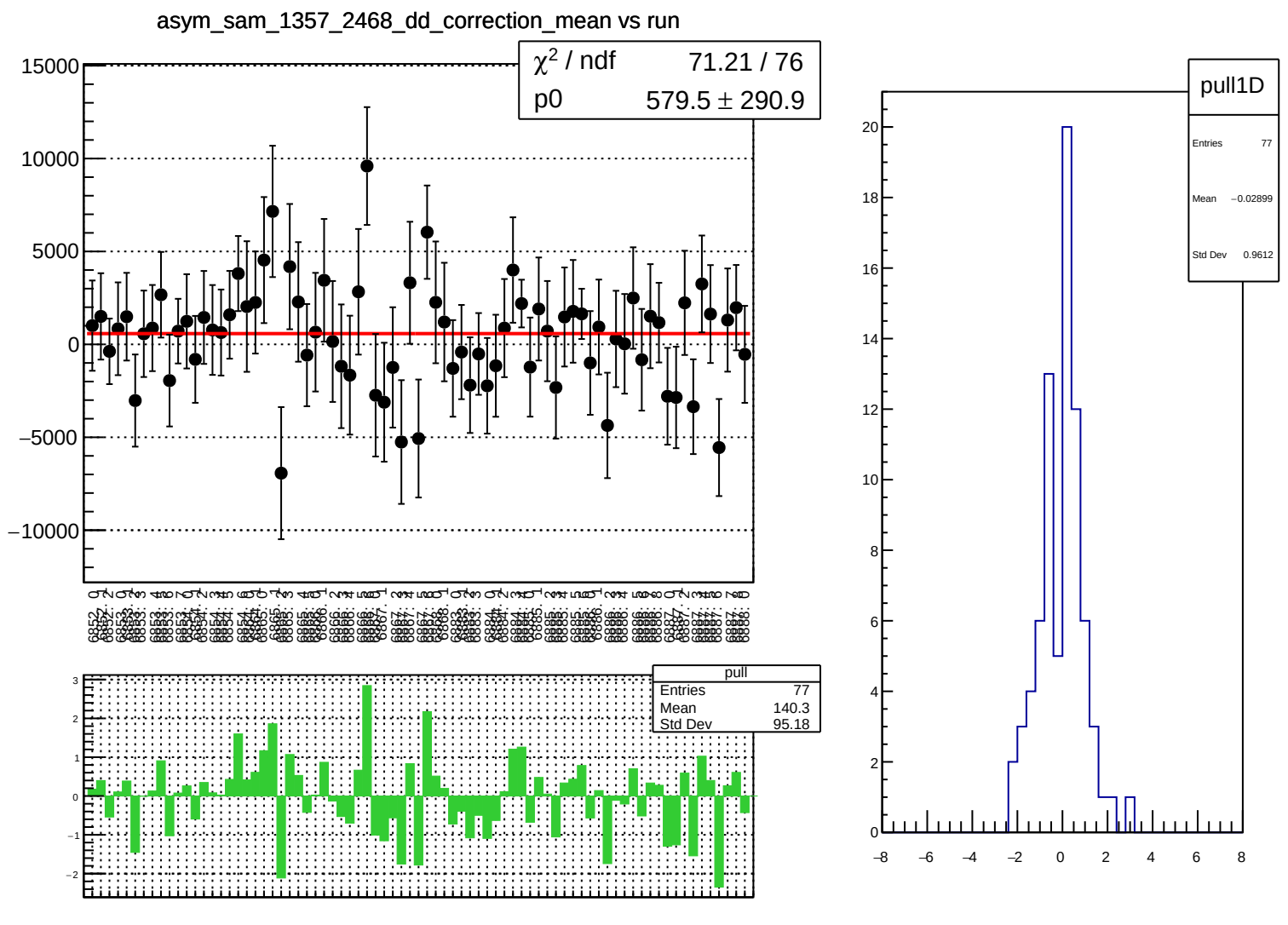

asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.098e+04 / 76
p0 970.7 ± 0.7729
1300
1200
1100
1000
900
800

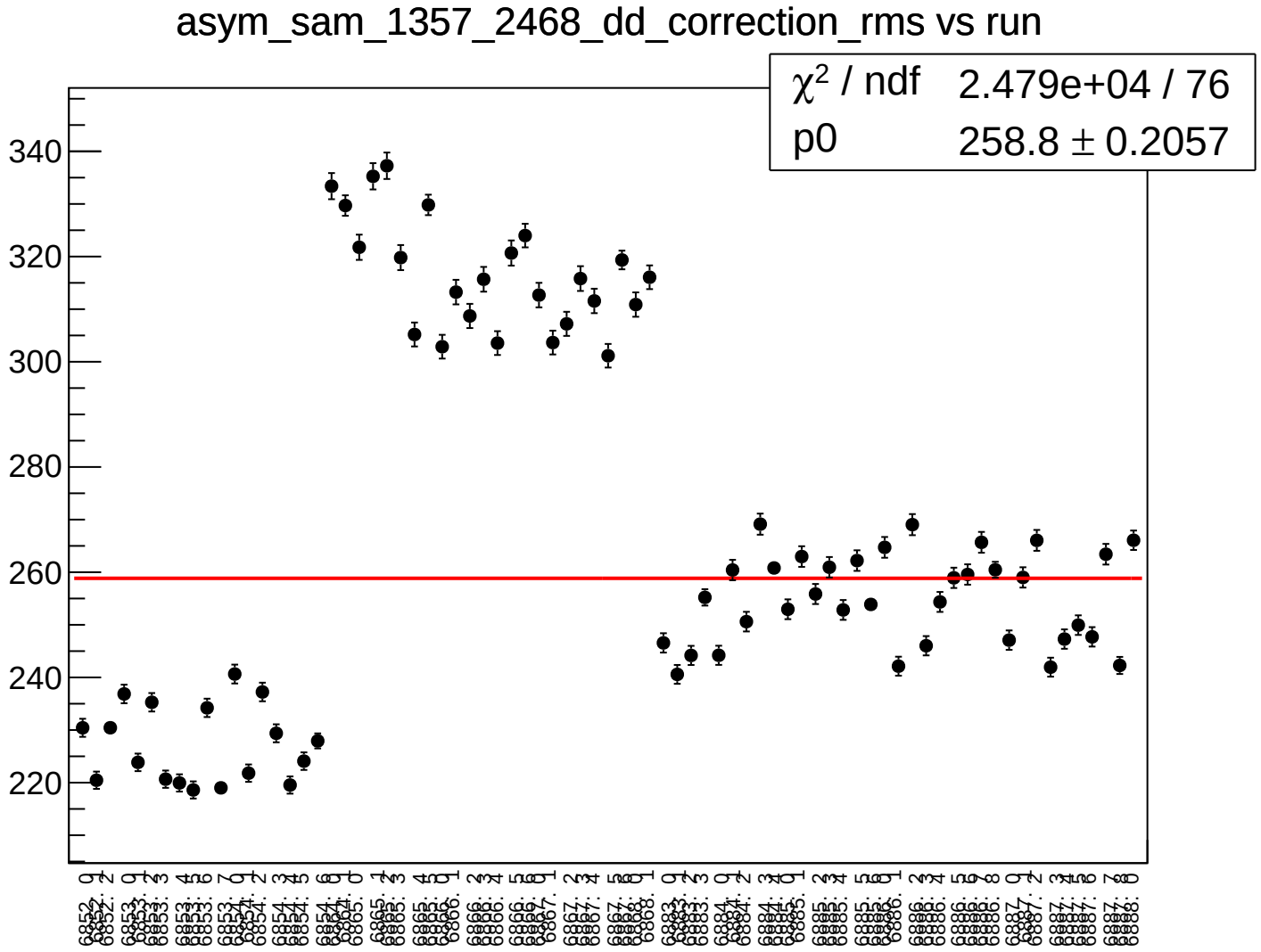

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 52.04 / 76
p0 −1.858 ± 37.91
pull
Entries 77
Mean 85.18
Std Dev 30.29

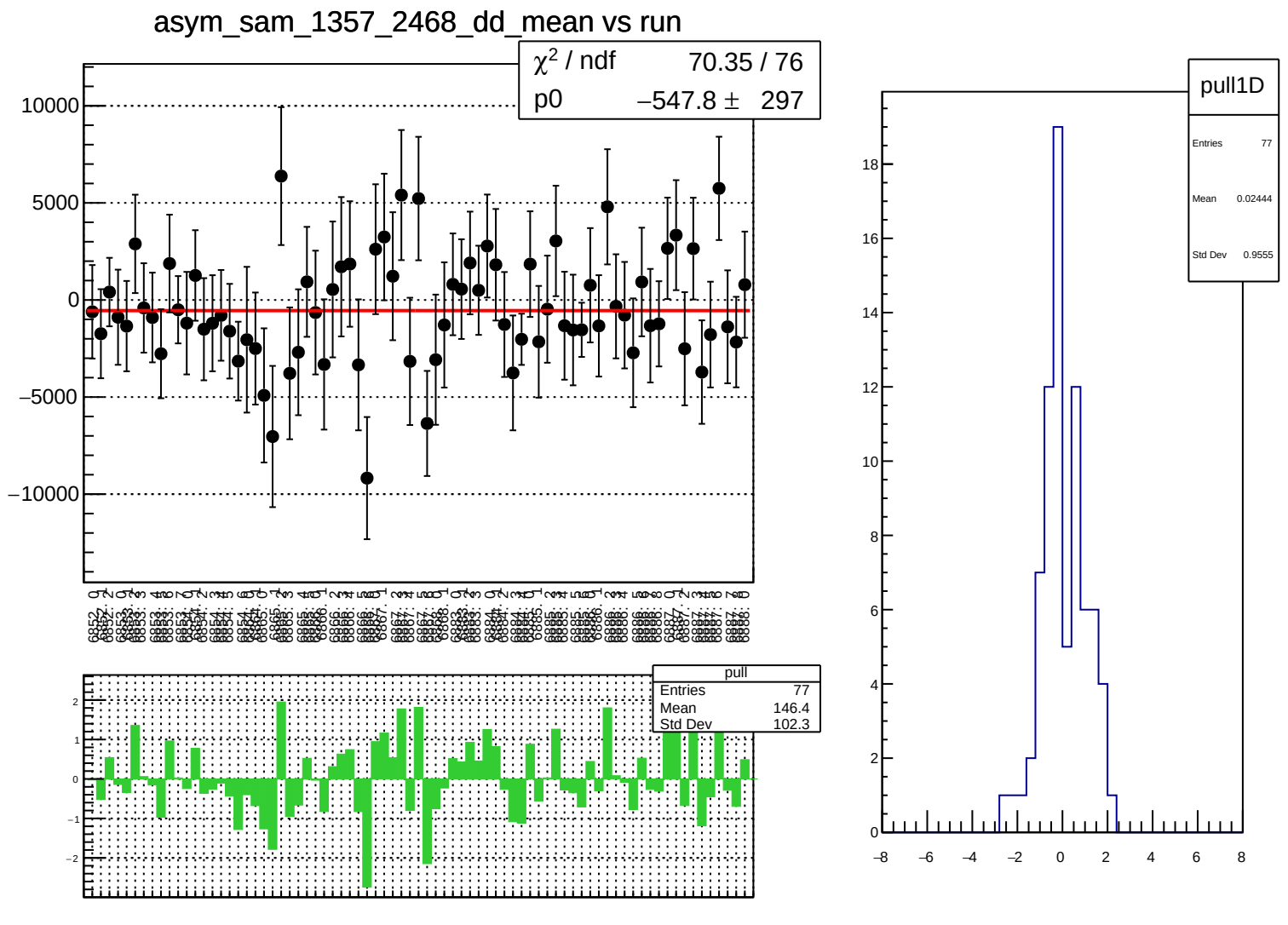

pull1D
Entries 77
Mean −0.01657
Std Dev 0.8219

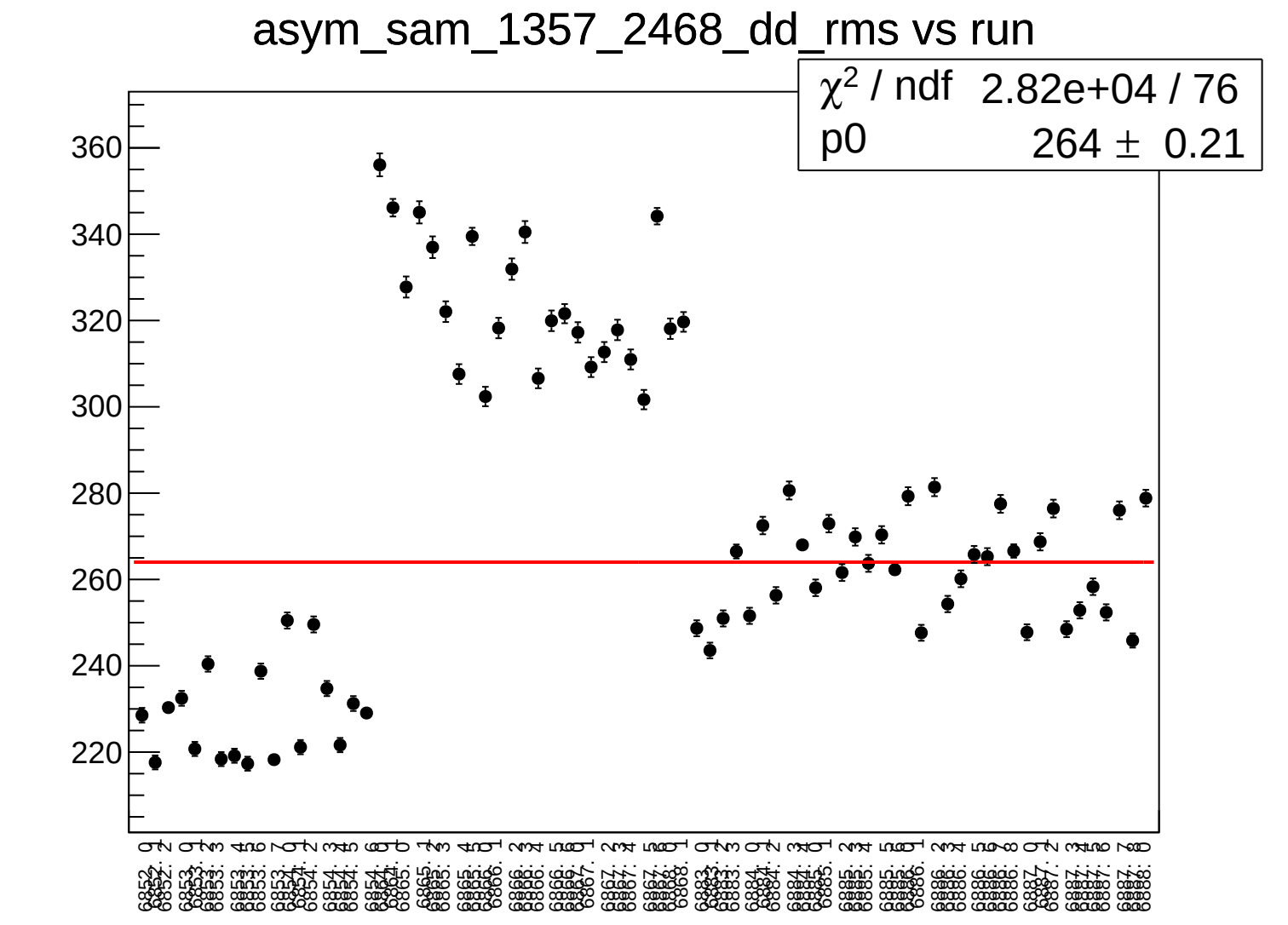
dit_asym_sam_1357_2468_dd_rms vs run

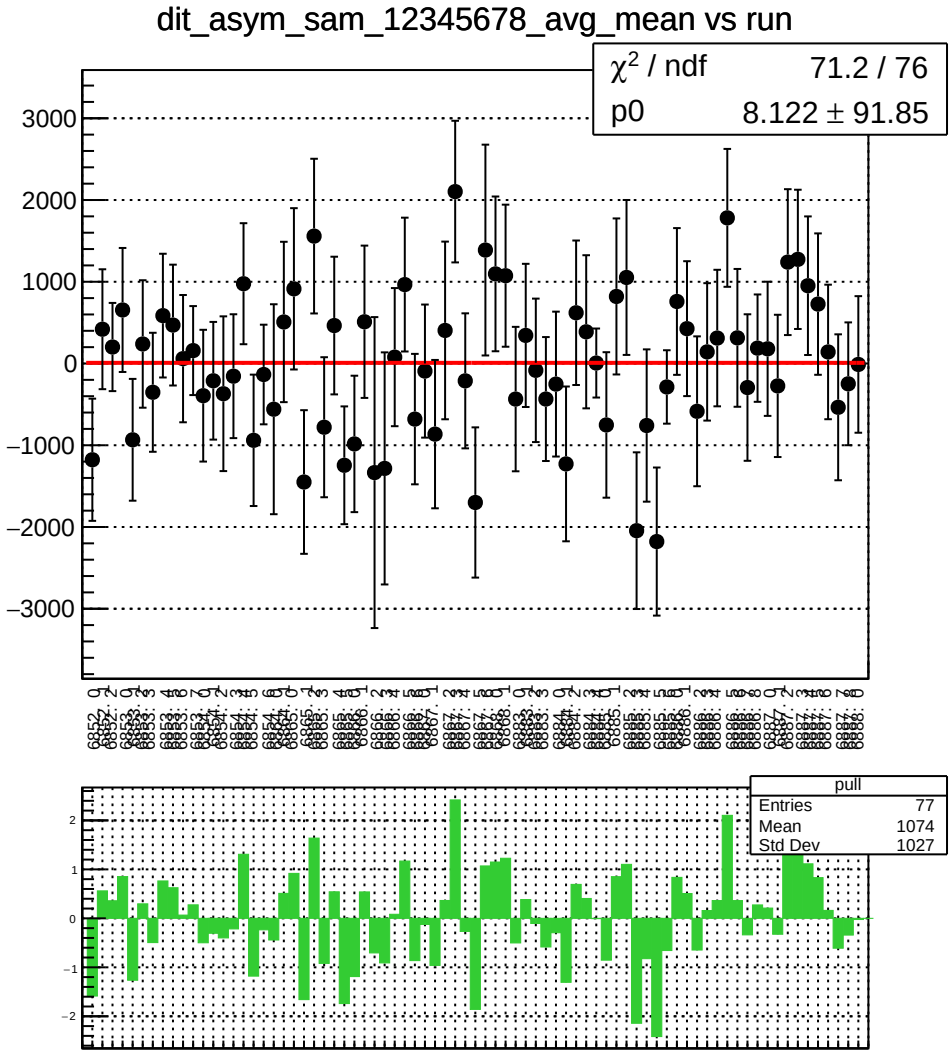


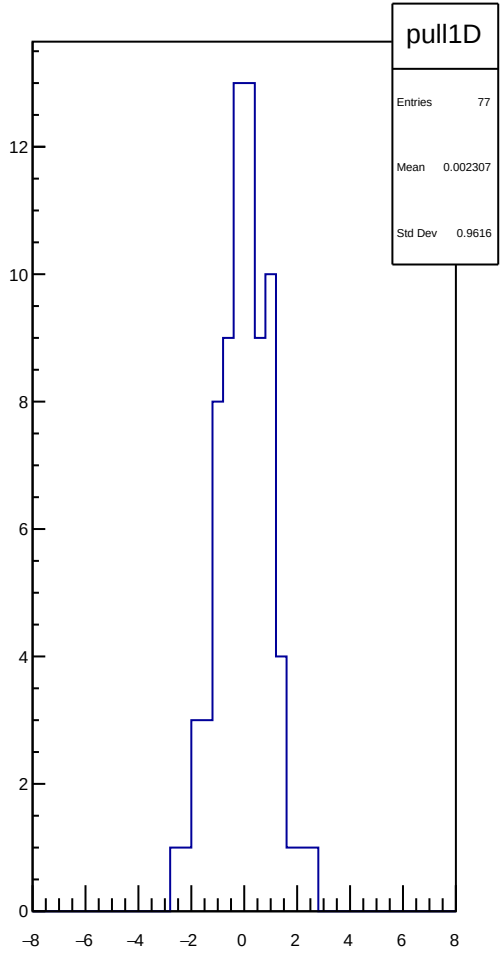

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 71.21 / 76
p0 579.5 ± 290.9
pull
Entries 77
Mean 140.3
Std Dev 95.18
pull1D
Entries 77
Mean −0.02899
Std Dev 0.9612


asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.479e+04 / 76
p0 258.8 ± 0.2057
340
320
300
280
260
240
220

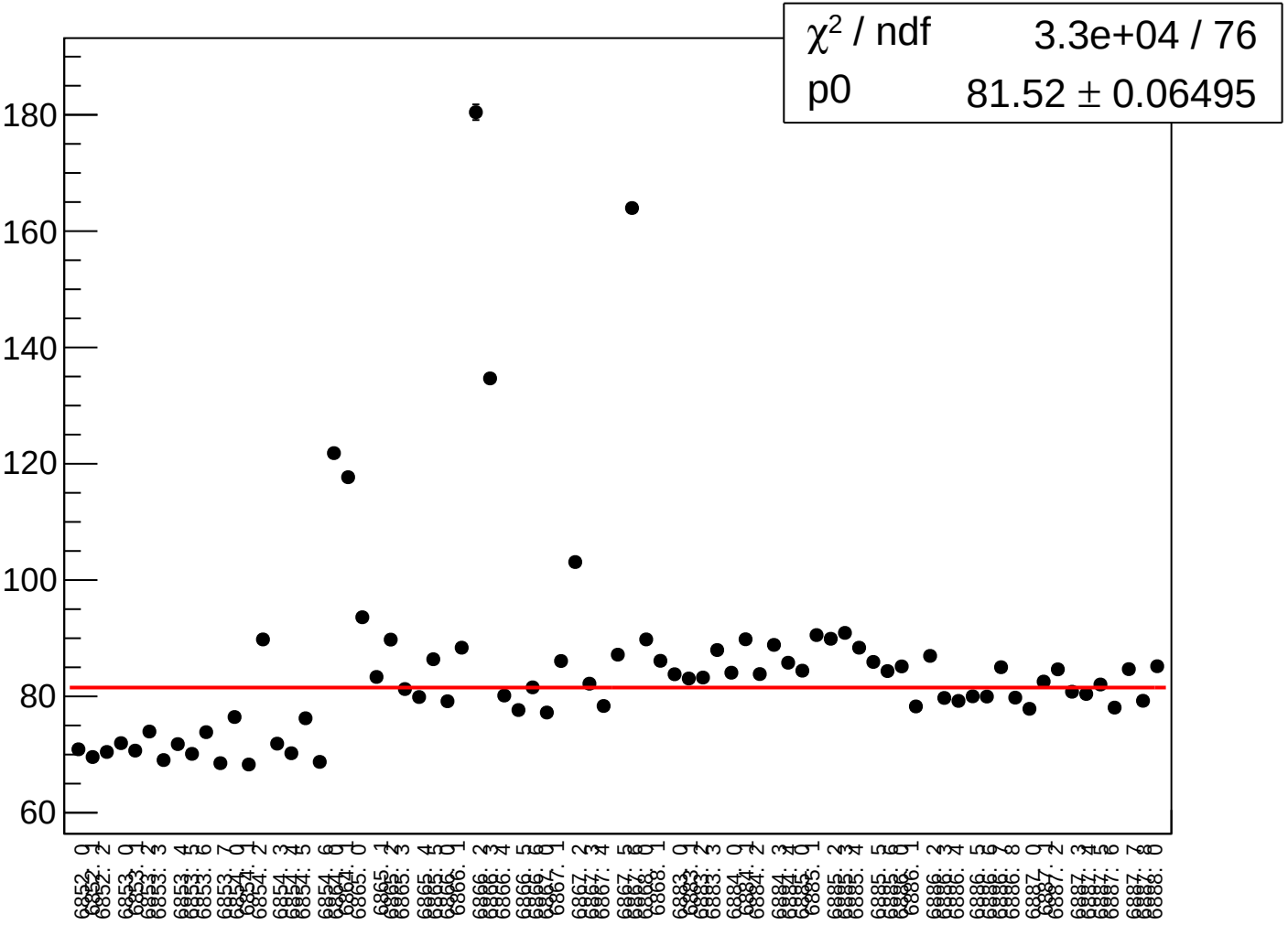

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 70.35 / 76
p0 −547.8 ± 297
10000
5000
0
−5000
−10000
pull
Entries 77
Mean 146.4
Std Dev 102.3
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02444
Std Dev 0.9555
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

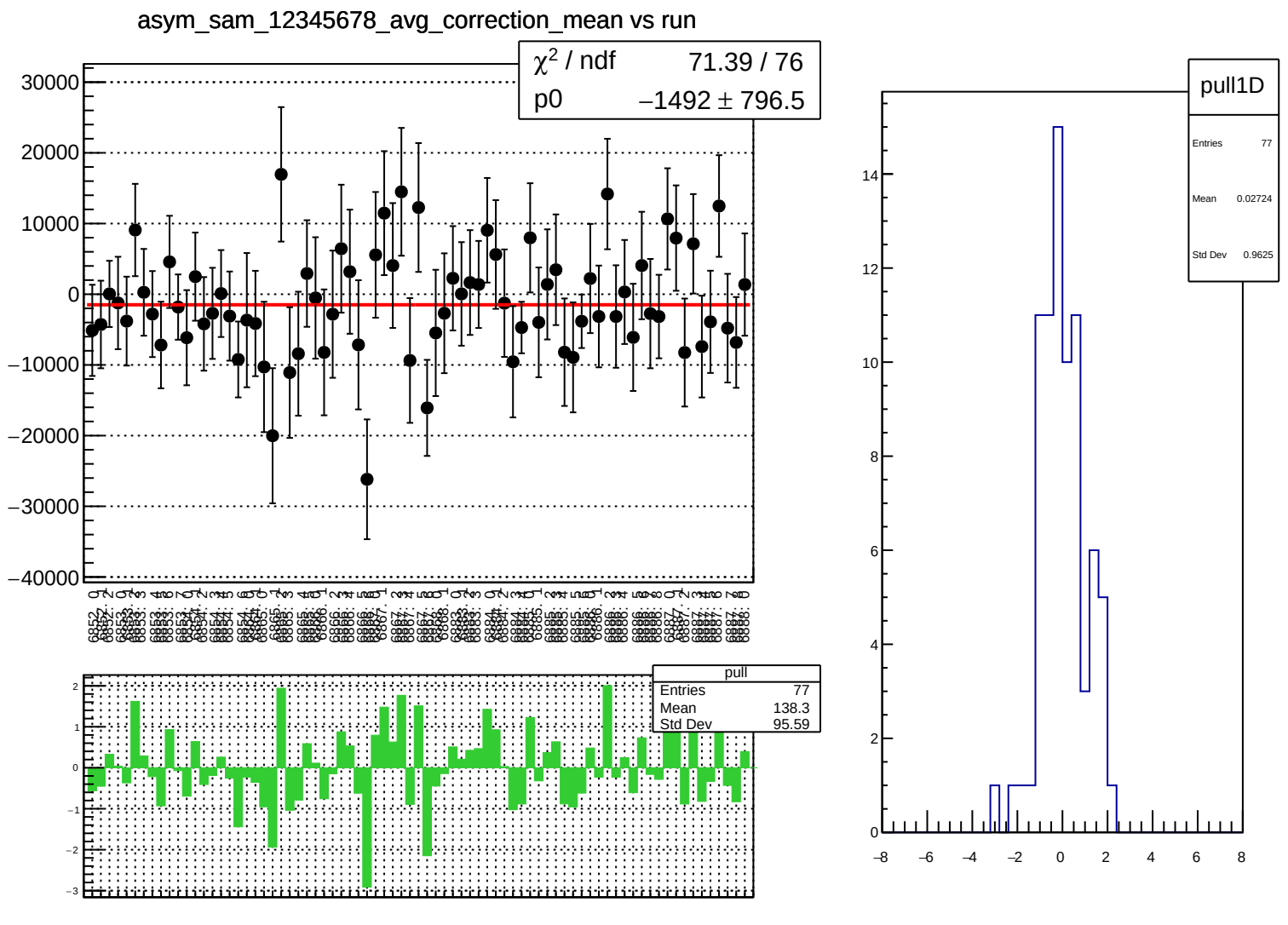

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 2.82e+04 / 76
p0 264 ± 0.21
360
340
320
300
280
260
240
220

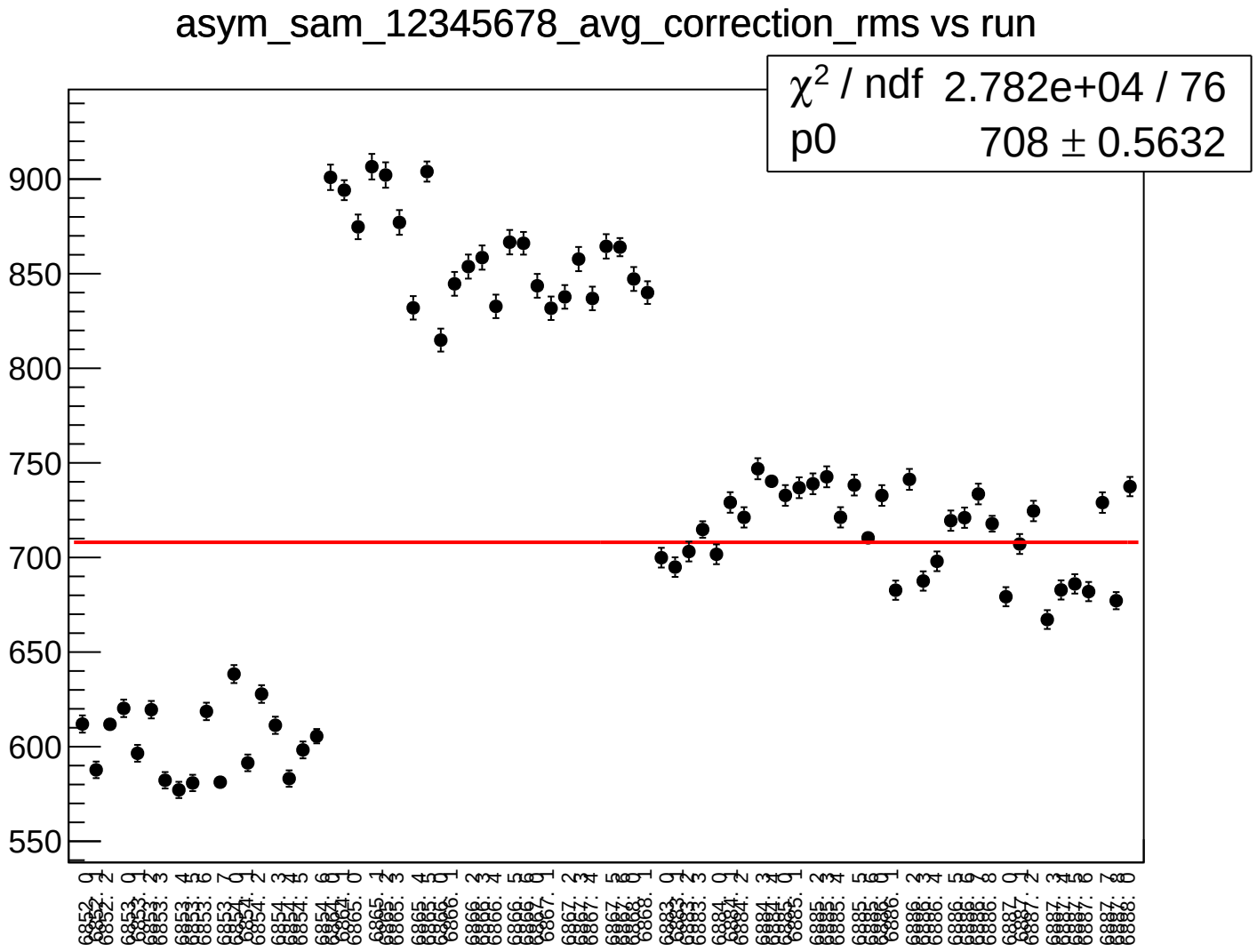

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 71.2 / 76
p0 8.122 ± 91.85
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 77
Mean 1074
Std Dev 1027
2
1
0
−1
−2

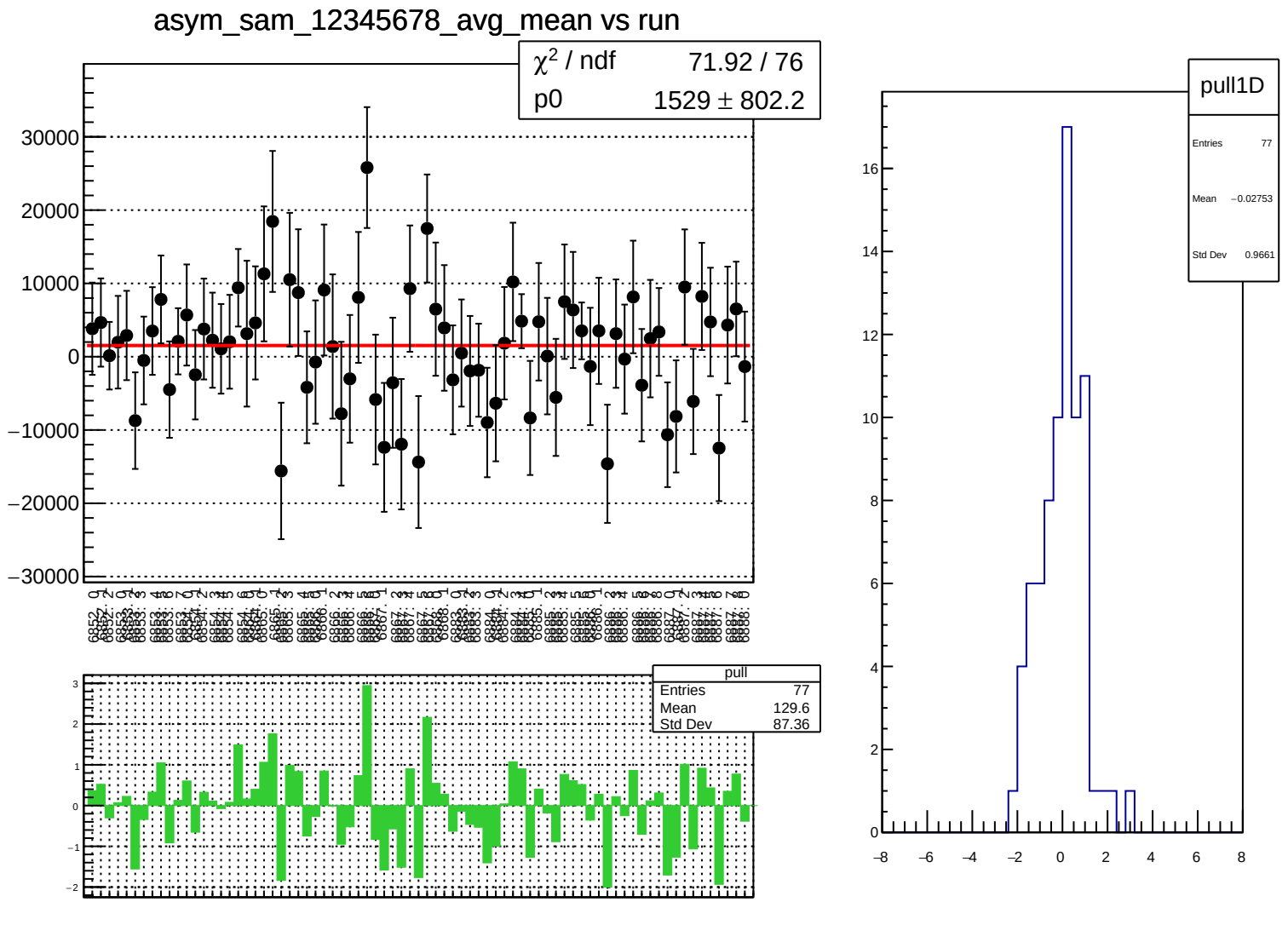

pull1D
Entries 77
Mean 0.002307
Std Dev 0.9616
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

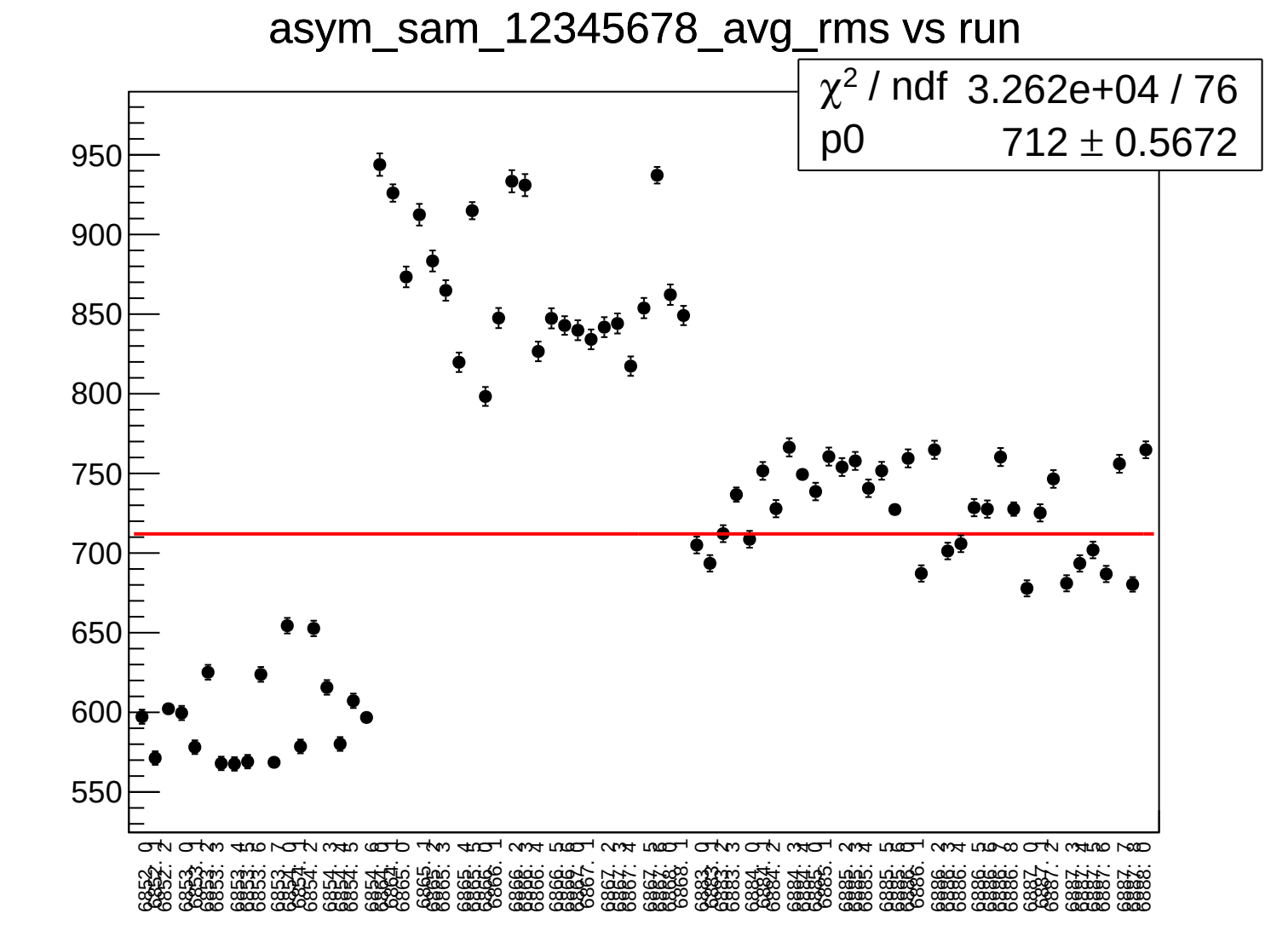
dit_asym_sam_12345678_avg_rms vs run

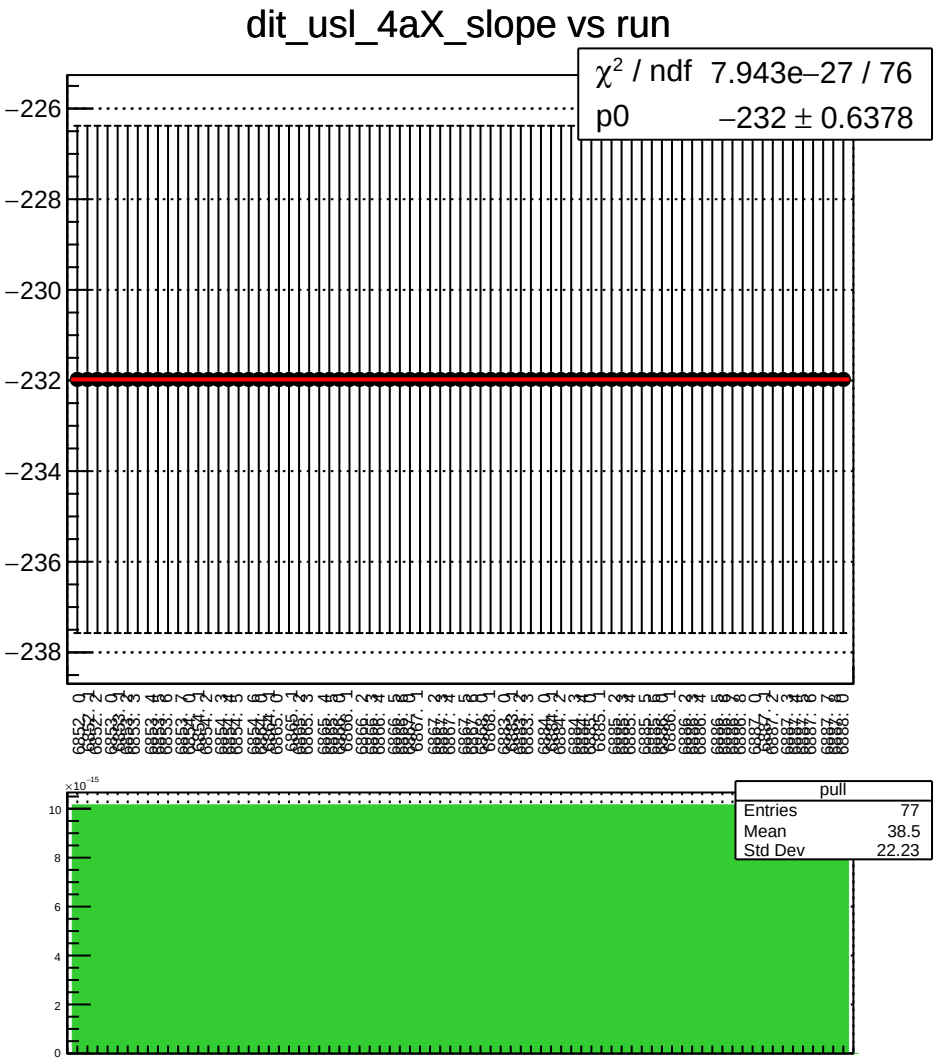


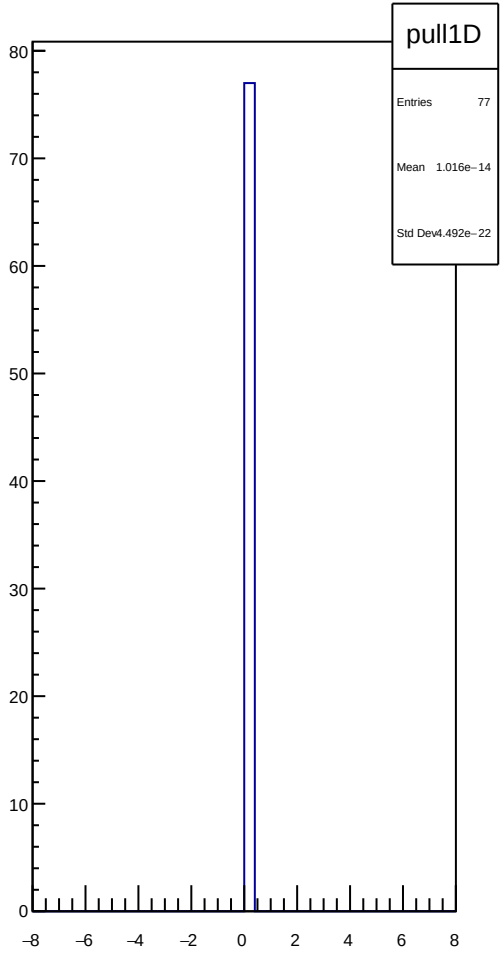

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 71.39 / 76
p0 −1492 ± 796.5
pull
Entries 77
Mean 138.3
Std Dev 95.59
pull1D
Entries 77
Mean 0.02724
Std Dev 0.9625

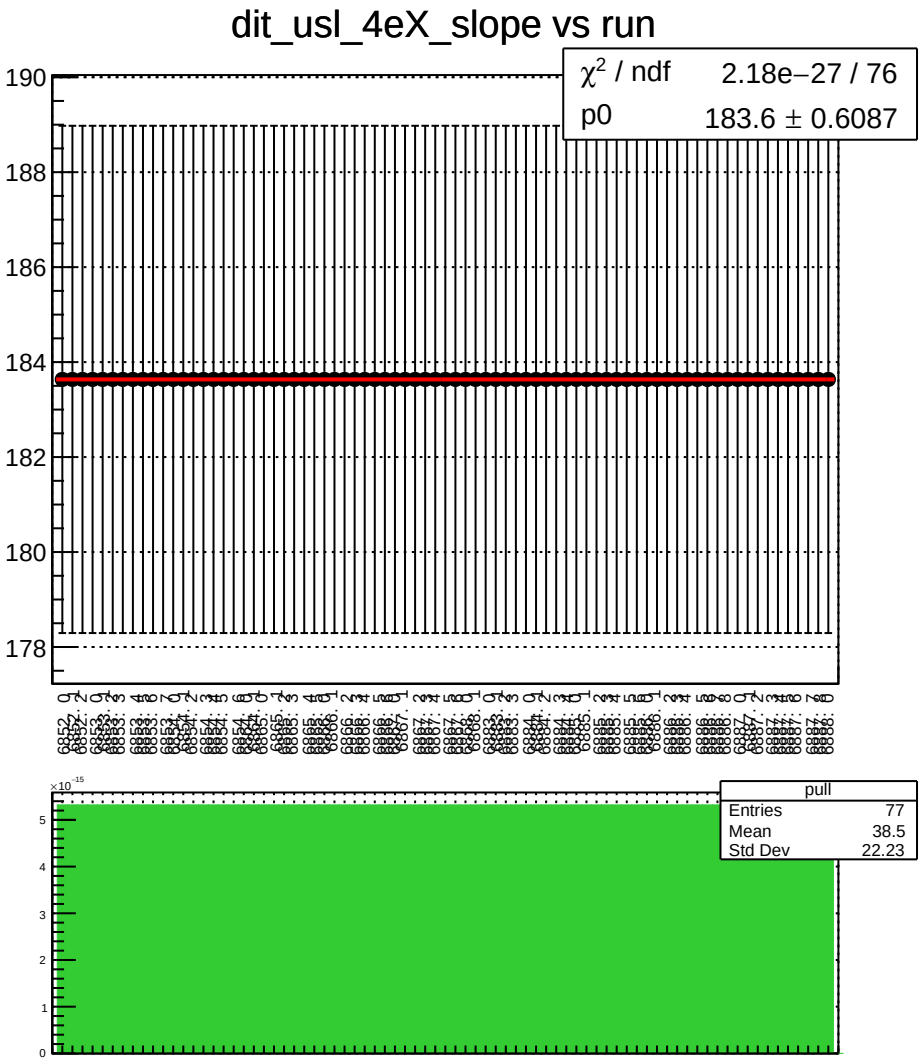

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2.782e+04 / 76
p0 708 ± 0.5632
900
850
800
750
700
650
600
550

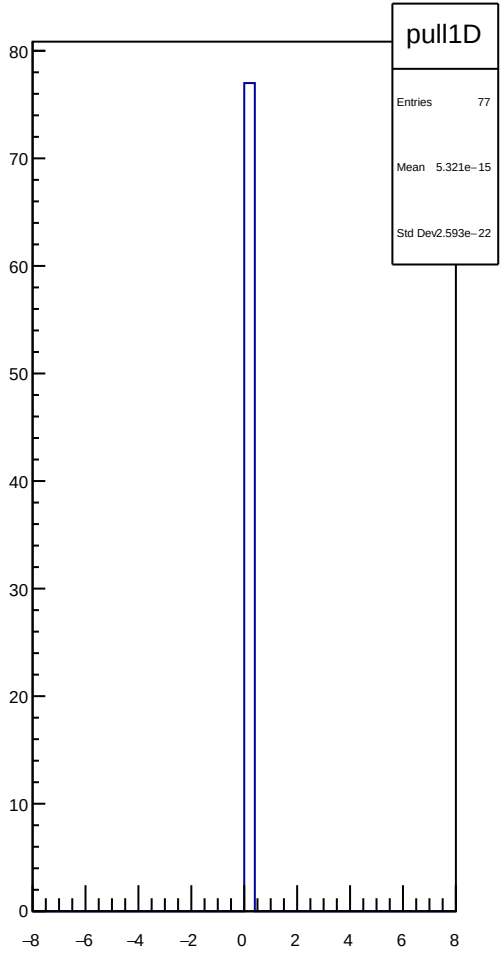

asym_sam_12345678_avg_mean vs run
χ^2 / ndf 71.92 / 76
p0 1529 ± 802.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 77
Mean 129.6
Std Dev 87.36
3
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.02753
Std Dev 0.9661
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

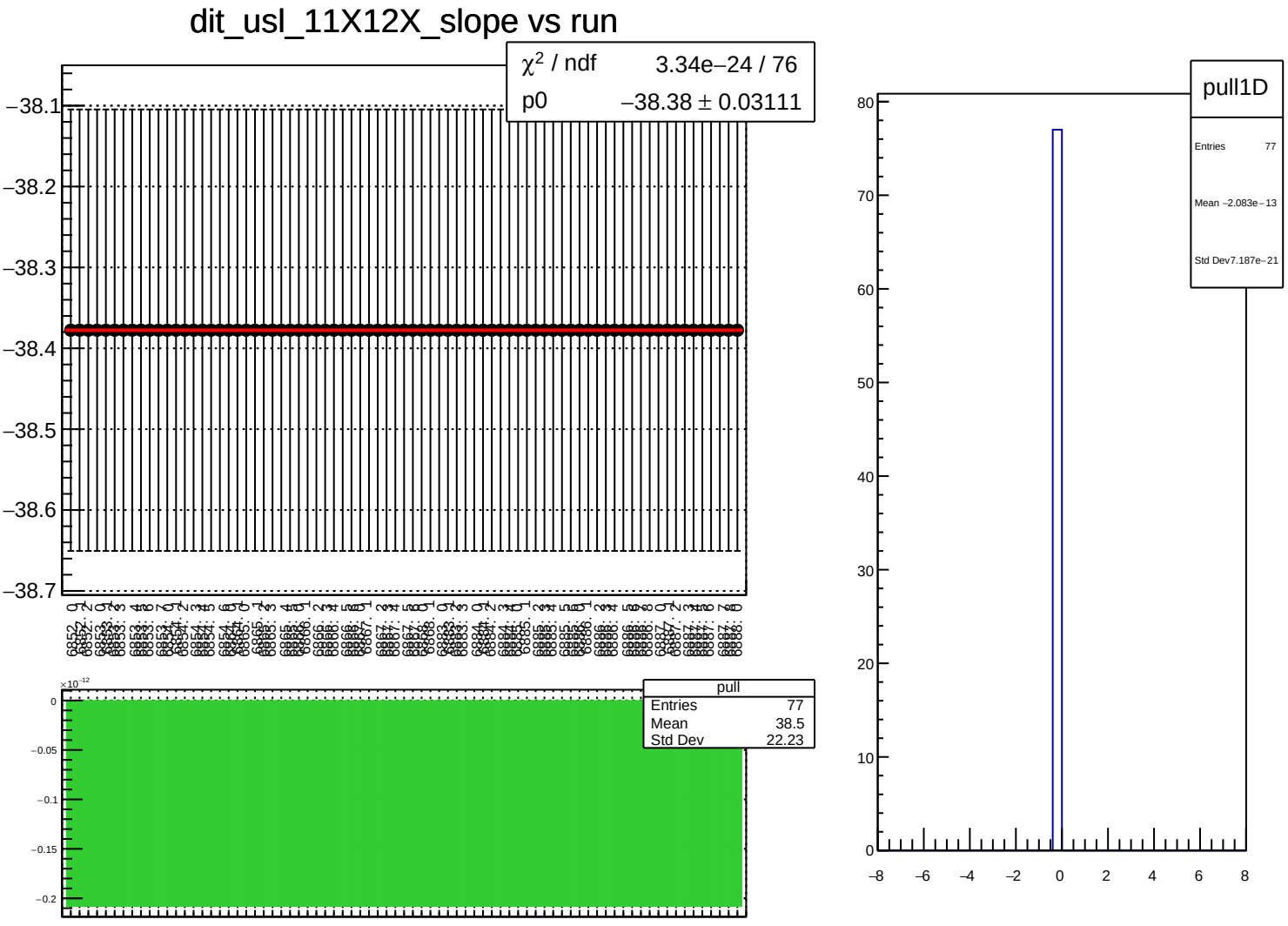

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3.262e+04 / 76
p0 712 ± 0.5672
950
900
850
800
750
700
650
600
550

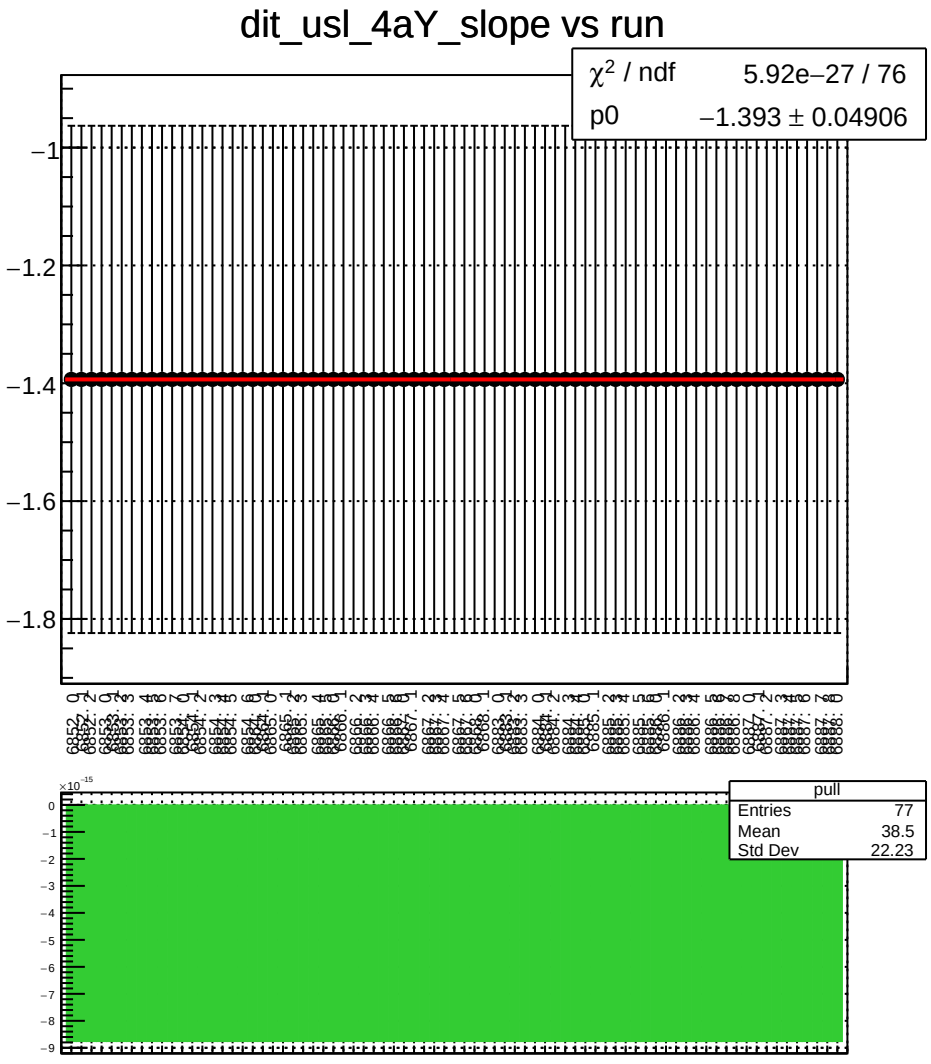

dit_usl_4aX_slope vs run
χ^2 / ndf 7.943e−27 / 76
p0 −232 ± 0.6378
−226
−228
−230
−232
−234
−236
−238
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
10
8
6
4
2
0

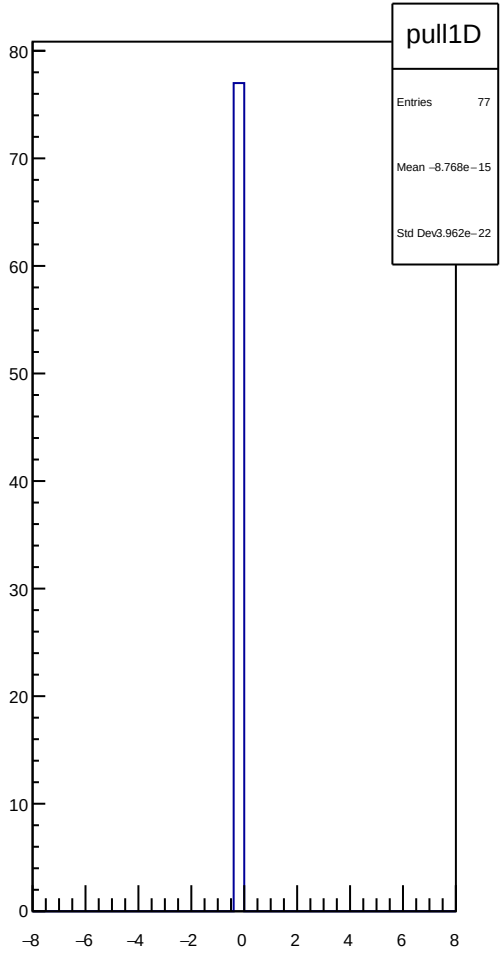

pull1D
Entries 77
Mean 1.016e−14
Std Dev4.492e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

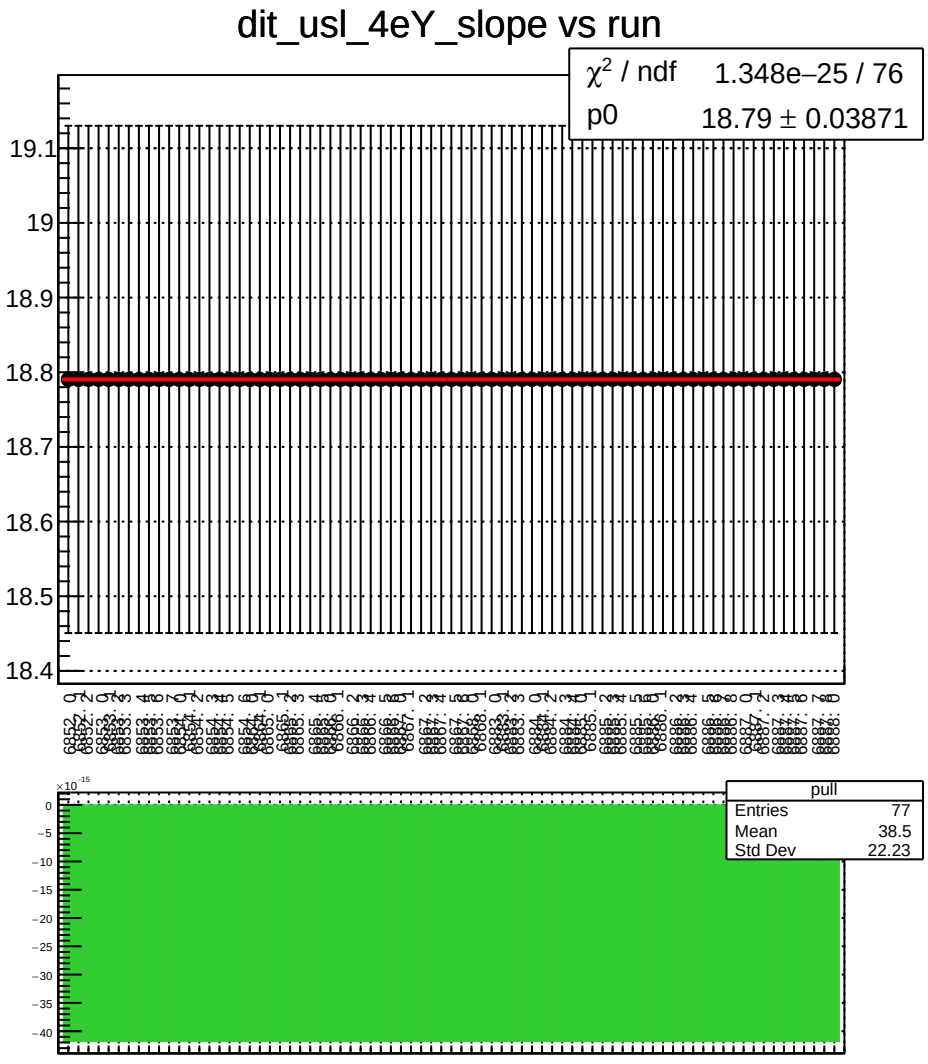

dit_usl_4eX_slope vs run
χ^2 / ndf 2.18e−27 / 76
p0 183.6 ± 0.6087
190
188
186
184
182
180
178
pull
Entries 77
Mean 38.5
Std Dev 22.23
$\times 10^{-15}$
5
4
3
2
1
0

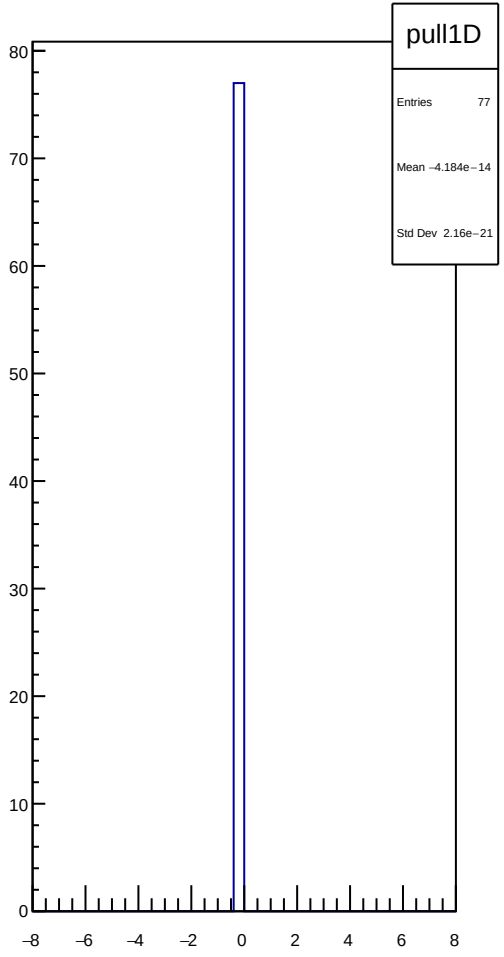

pull1D
Entries 77
Mean 5.321e−15
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

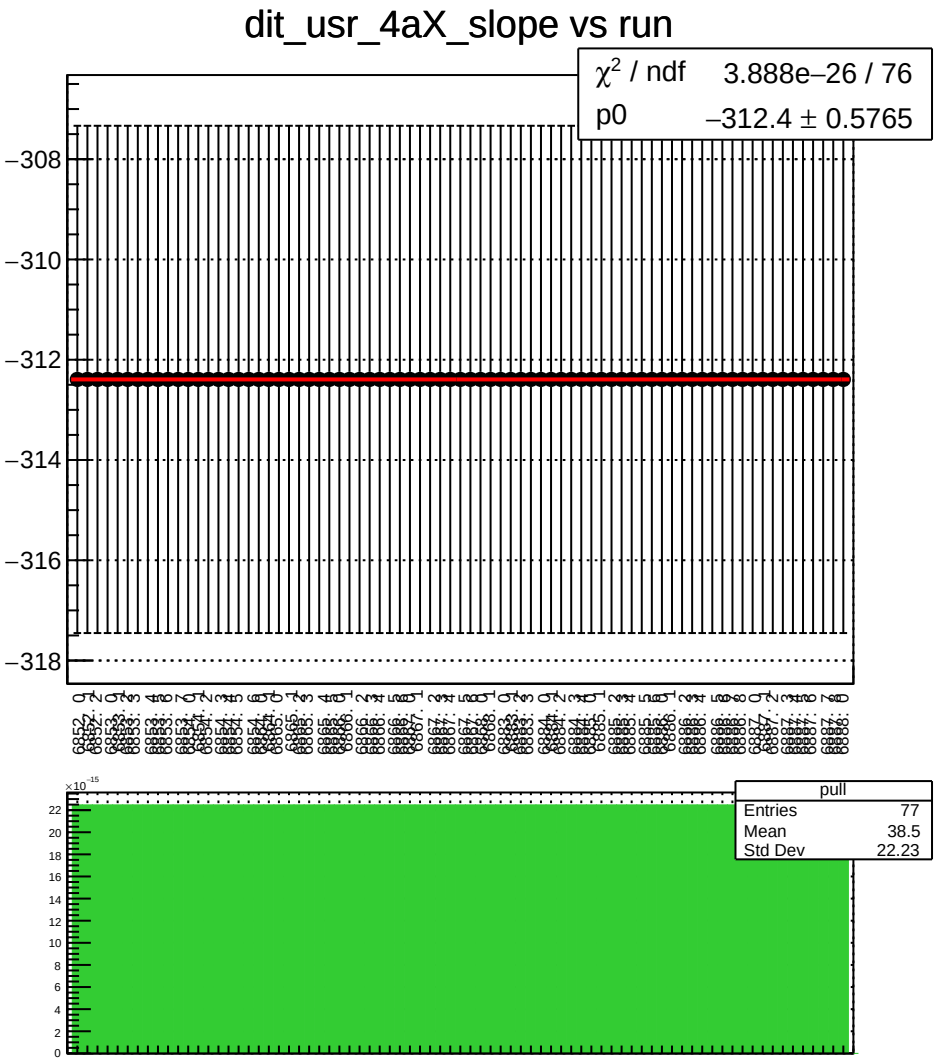

dit_usl_11X12X_slope vs run
χ² / ndf 3.34e−24 / 76
p0 −38.38 ± 0.03111
−38.1
−38.2
−38.3
−38.4
−38.5
−38.6
−38.7
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 77
Mean −2.083e−13
Std Dev 7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

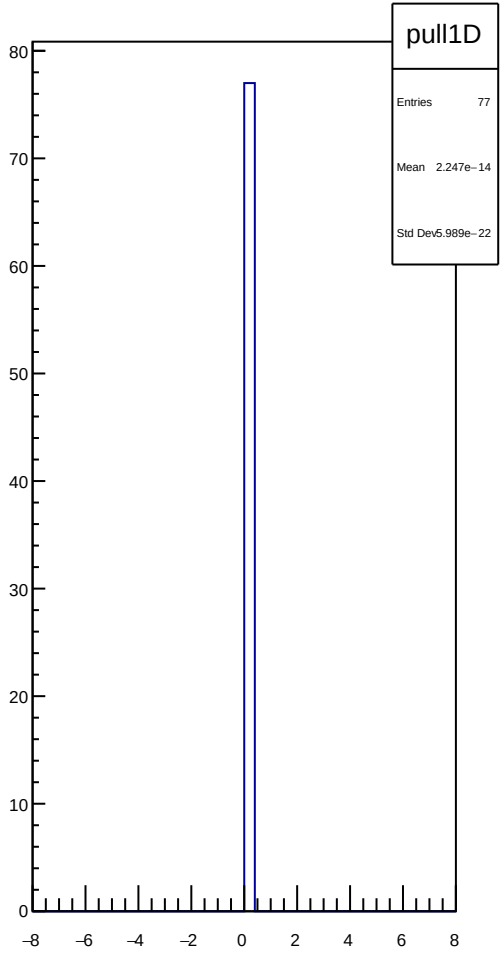

dit_usl_4aY_slope vs run
χ^2 / ndf 5.92e−27 / 76
p0 −1.393 ± 0.04906
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

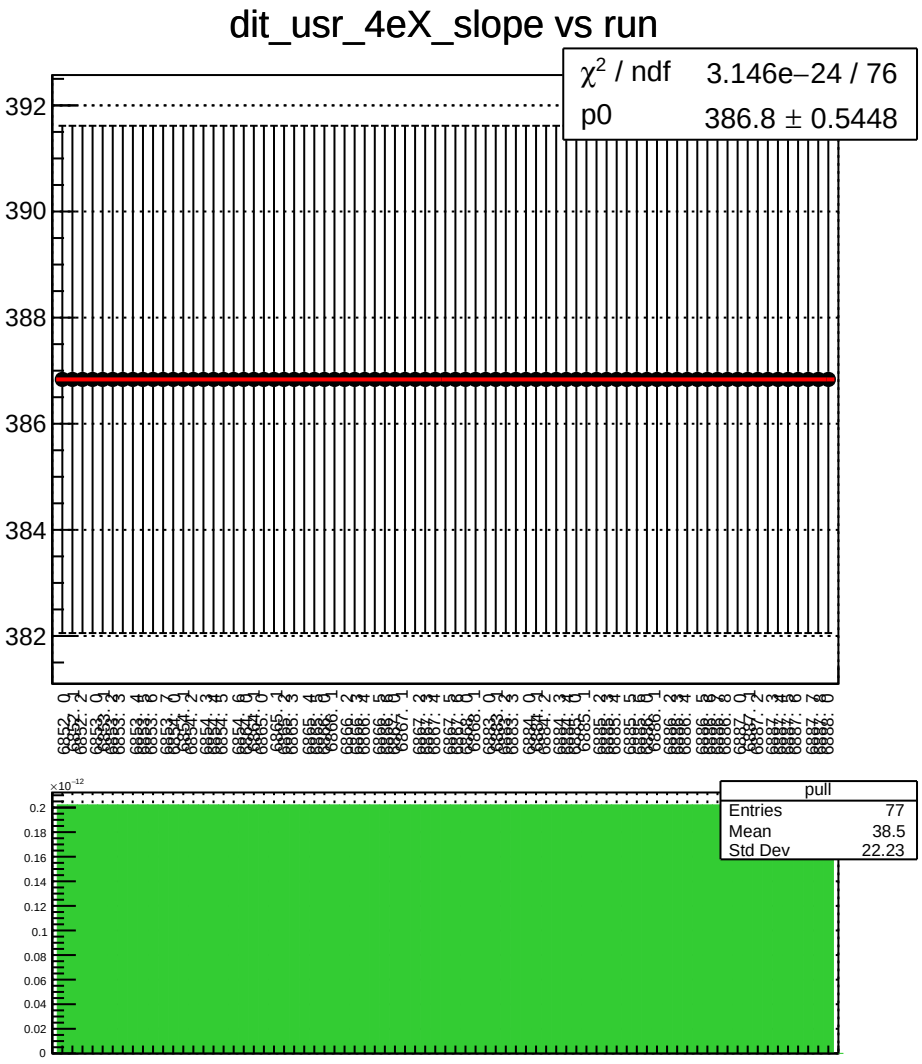

pull1D
Entries 77
Mean −8.768e−15
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

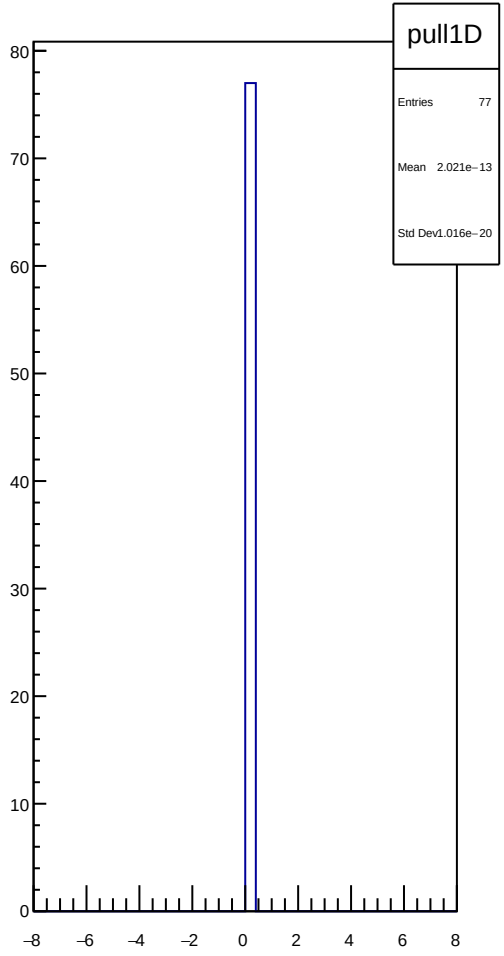

dit_usl_4eY_slope vs run
χ^2 / ndf 1.348e−25 / 76
p0 18.79 ± 0.03871
19.1
19
18.9
18.8
18.7
18.6
18.5
18.4
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40


pull1D
Entries 77
Mean −4.184e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

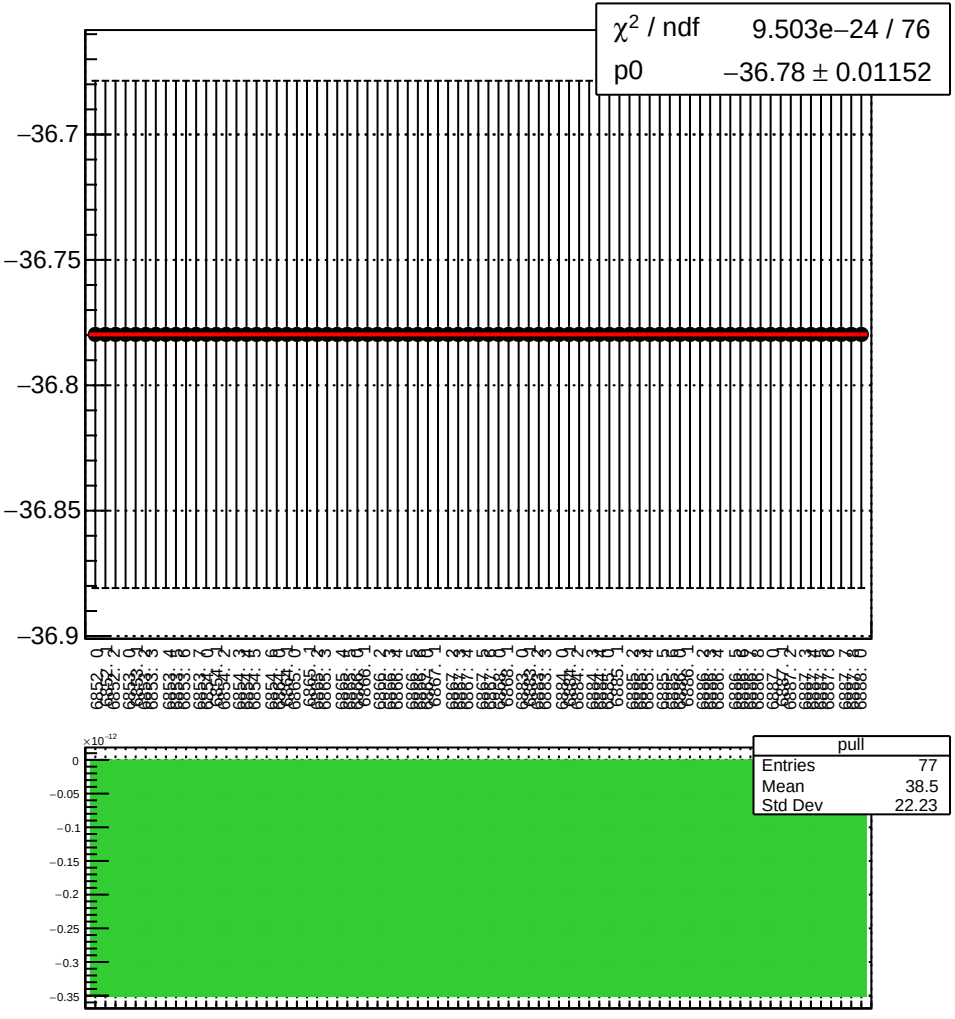

dit_usr_4aX_slope vs run
χ² / ndf 3.888e−26 / 76
p0 −312.4 ± 0.5765
−308
−310
−312
−314
−316
−318
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

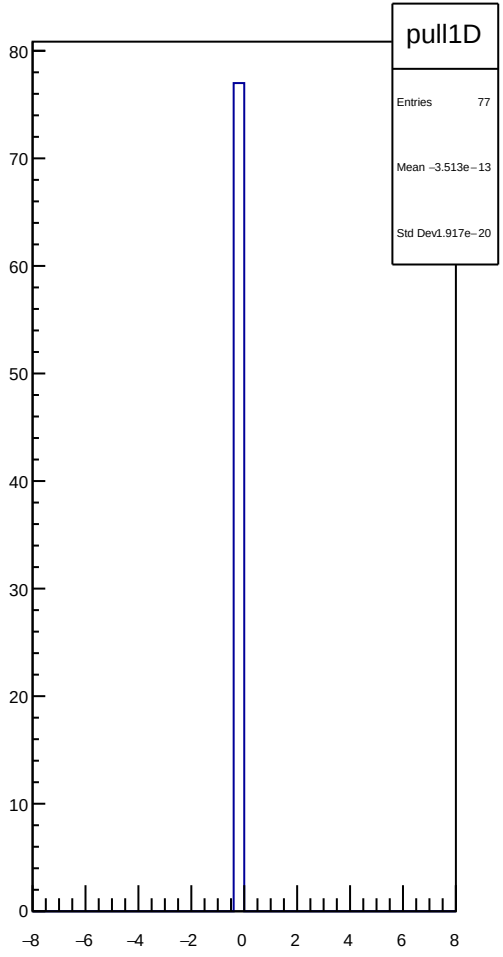

pull1D
Entries 77
Mean 2.247e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

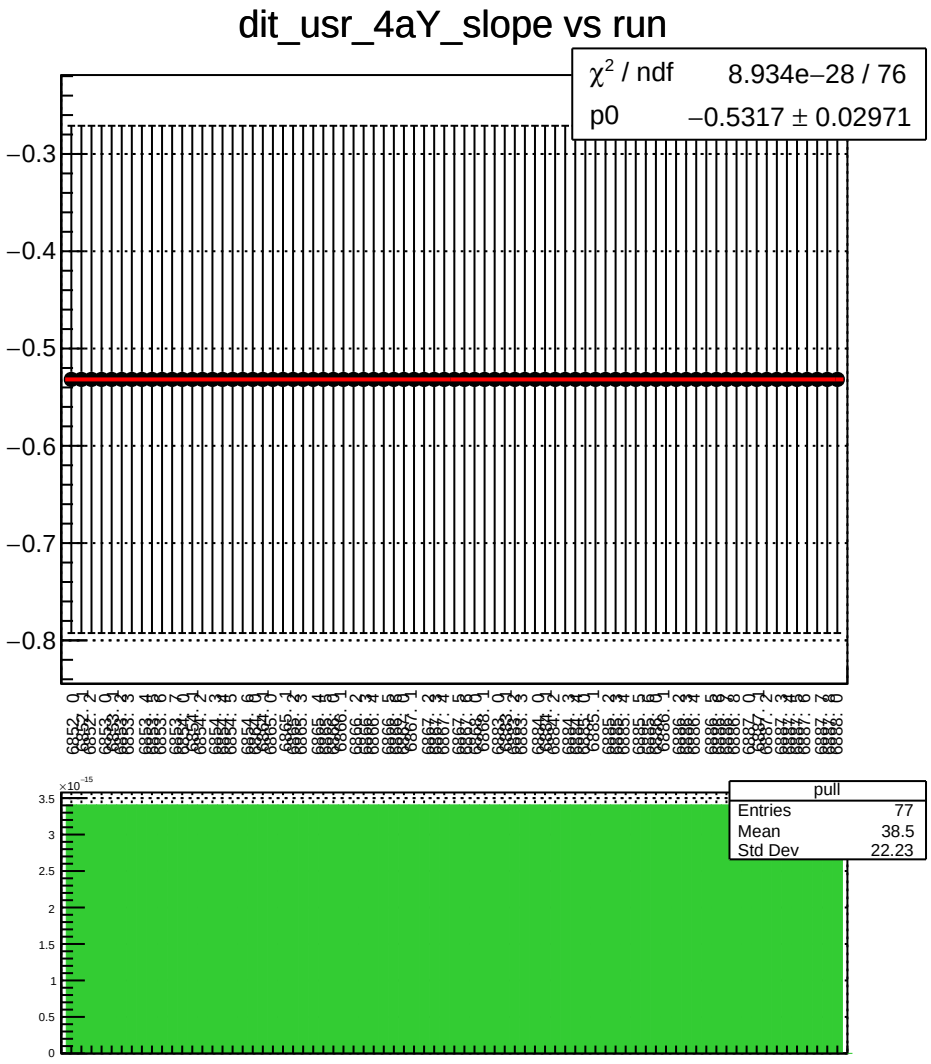

dit_usr_4eX_slope vs run
χ² / ndf 3.146e−24 / 76
p0 386.8 ± 0.5448
392
390
388
386
384
382
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

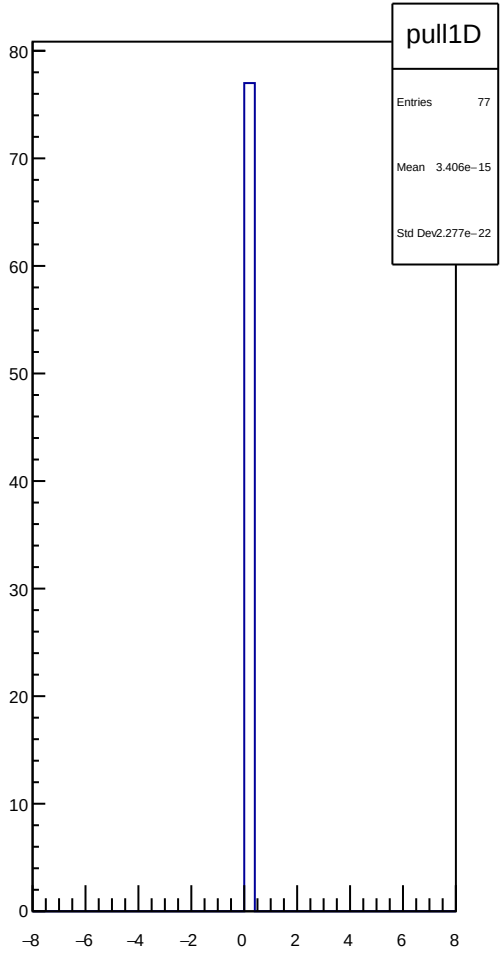

pull1D
Entries 77
Mean 2.021e−13
Std Dev 1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

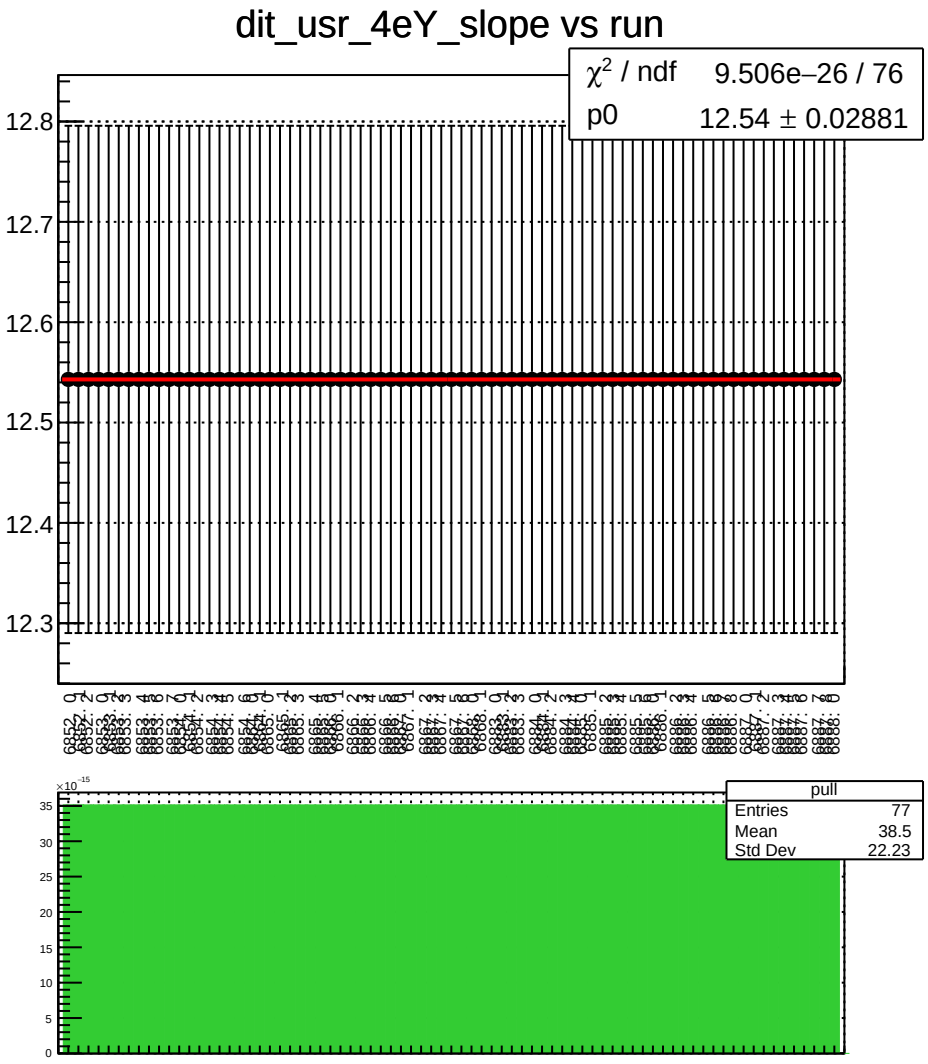
dit_usr_11X12X_slope vs run

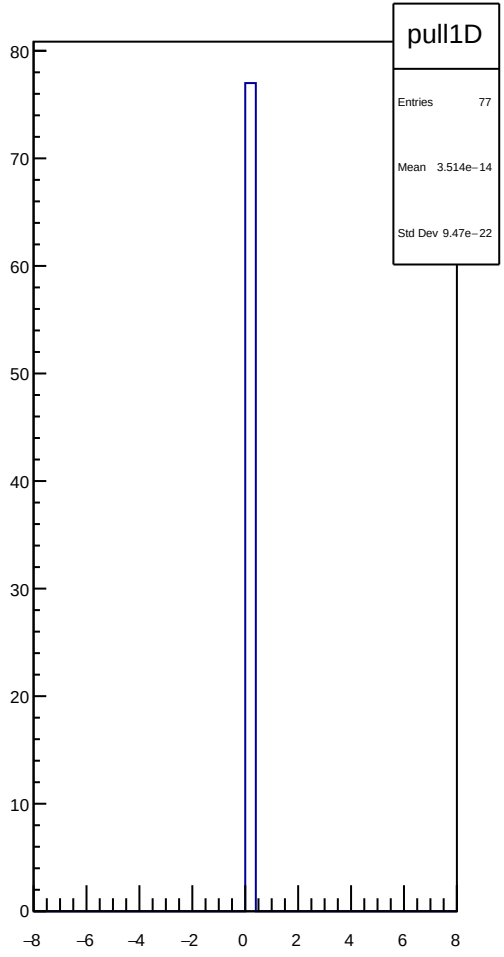


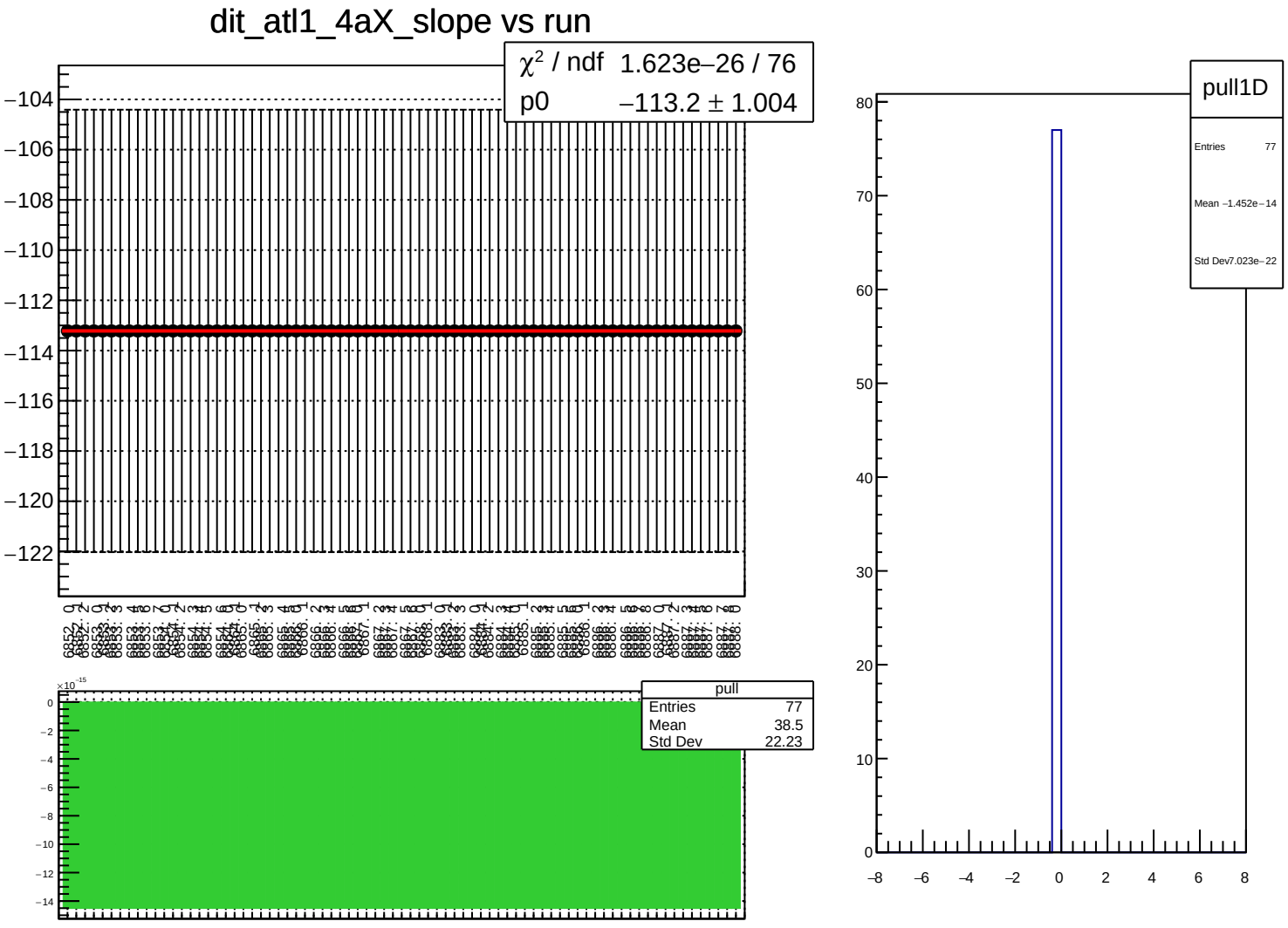


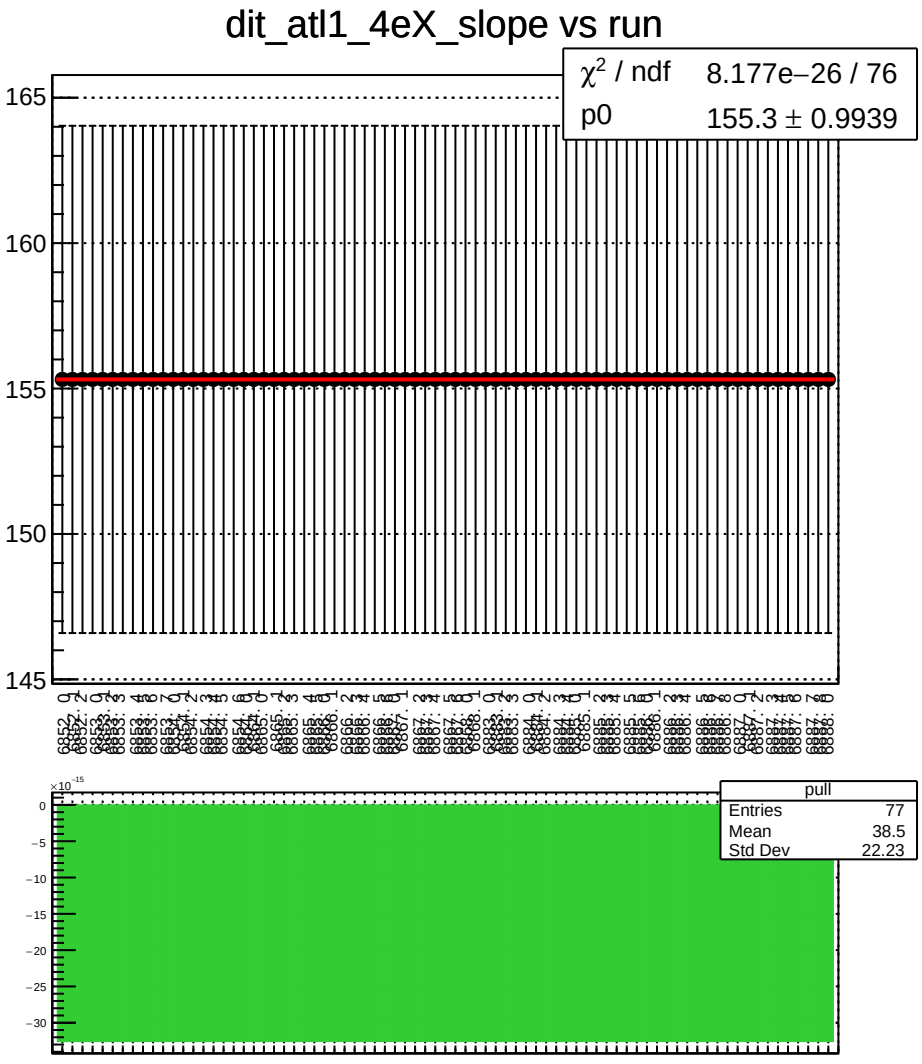

dit_usr_4aY_slope vs run
χ^2 / ndf 8.934e−28 / 76
p0 −0.5317 ± 0.02971
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
3.5
3
2.5
2
1.5
1
0.5
0

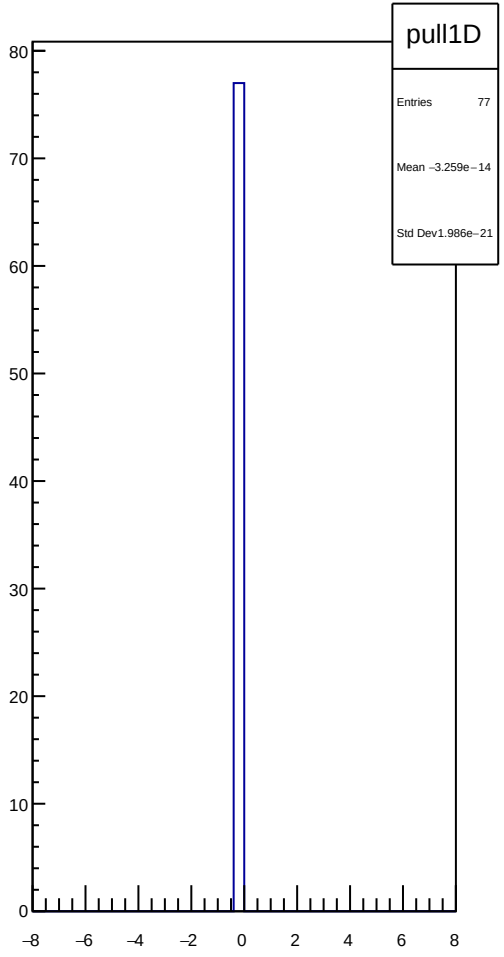

pull1D
Entries 77
Mean 3.406e−15
Std Dev 2.277e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

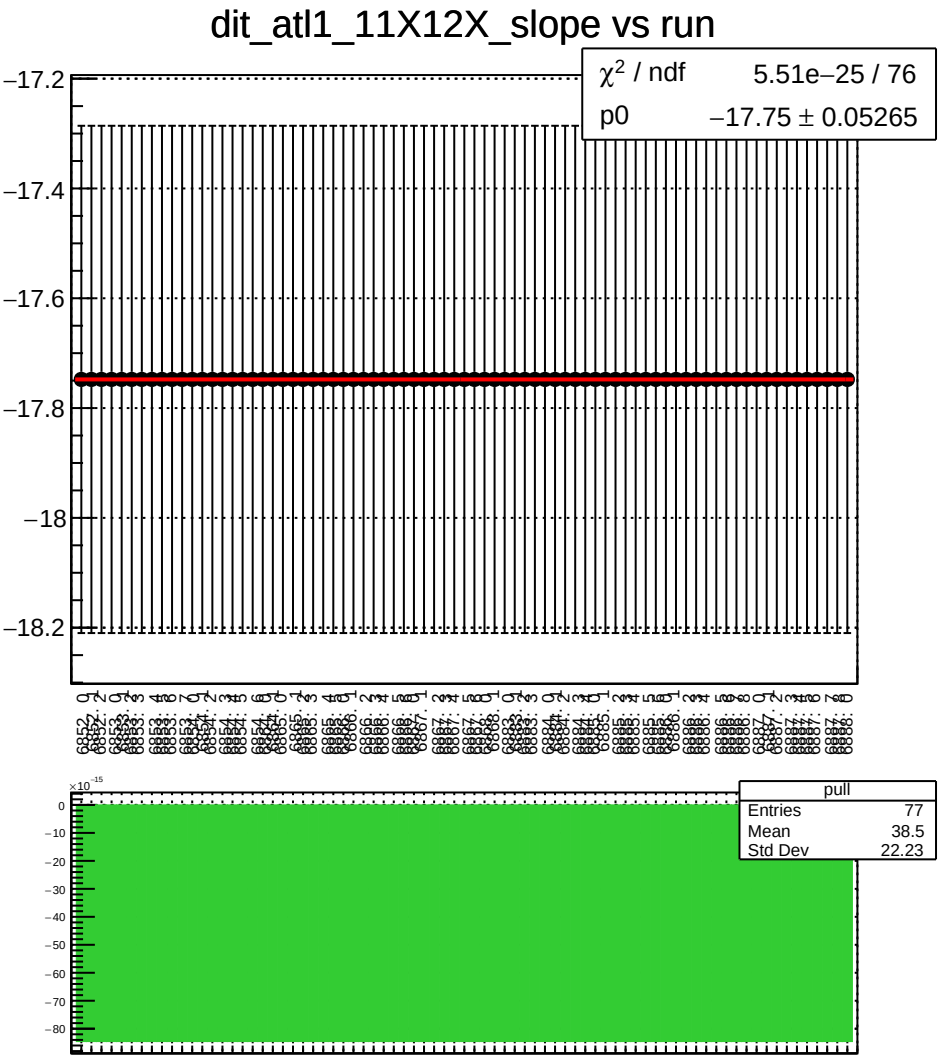

dit_usr_4eY_slope vs run
χ^2 / ndf 9.506e−26 / 76
p0 12.54 ± 0.02881
12.8
12.7
12.6
12.5
12.4
12.3
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
35
30
25
20
15
10
5
0

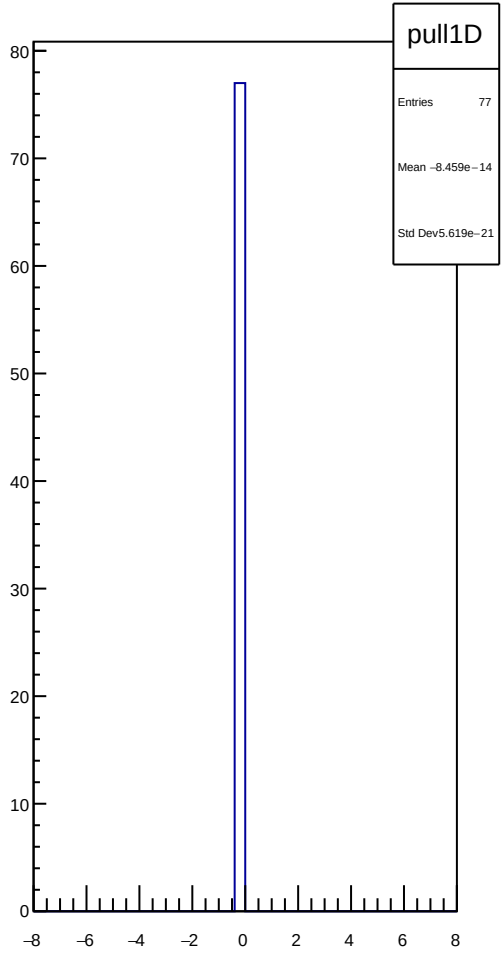

pull1D
Entries 77
Mean 3.514e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

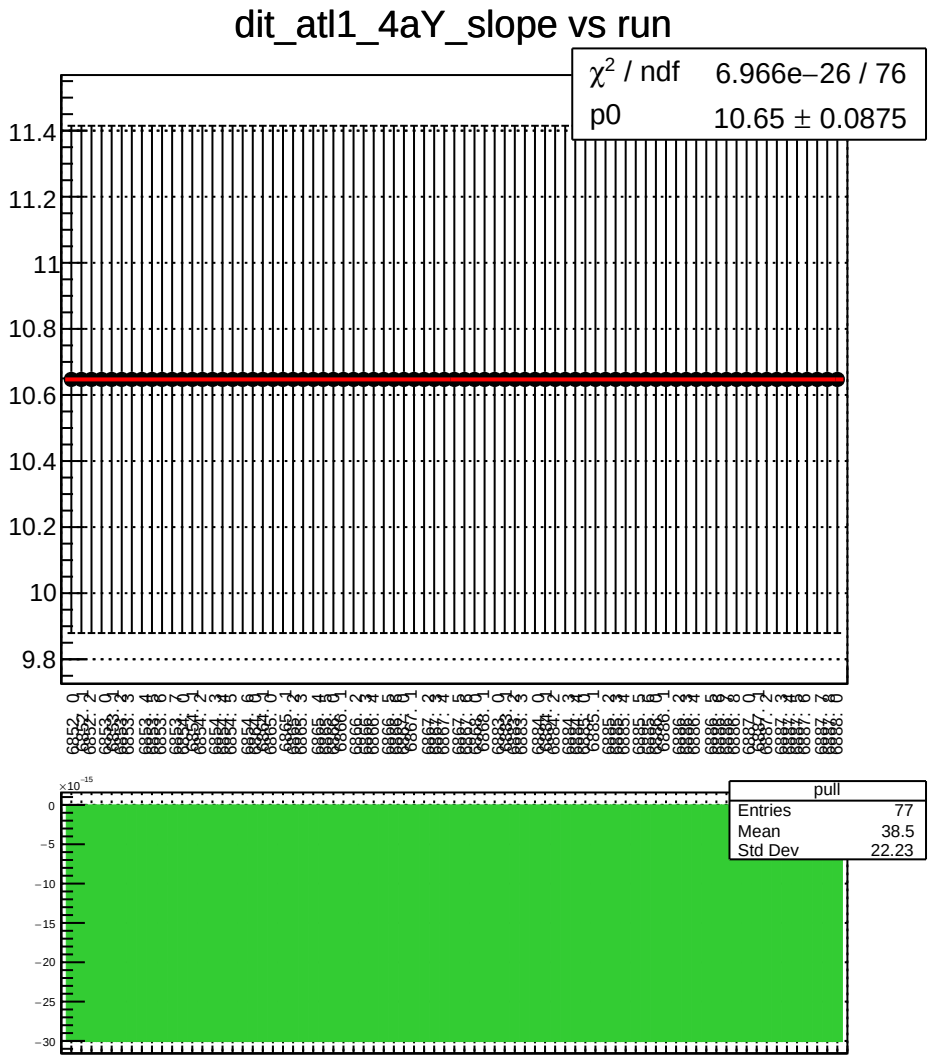

dit_atl1_4aX_slope vs run
χ² / ndf 1.623e−26 / 76
p0 −113.2 ± 1.004
−104
−106
−108
−110
−112
−114
−116
−118
−120
−122
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 77
Mean −1.452e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

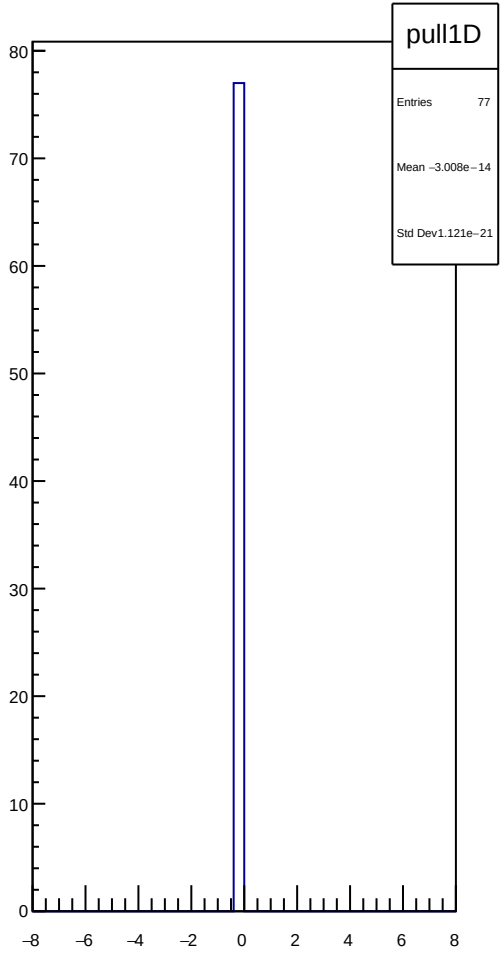

dit_atl1_4eX_slope vs run
χ^2 / ndf 8.177e−26 / 76
p0 155.3 ± 0.9939
165
160
155
150
145
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−5
−10
−15
−20
−25
−30

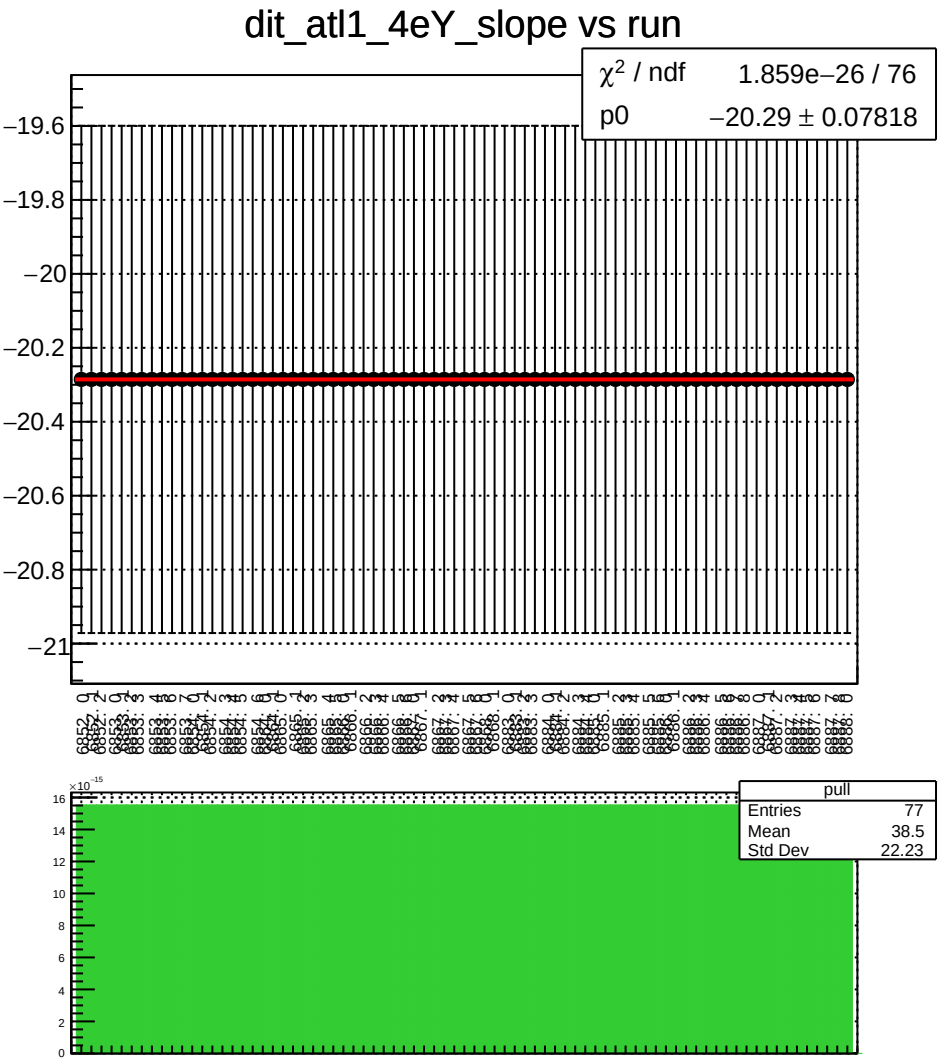

pull1D
Entries 77
Mean −3.259e−14
Std Dev 1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

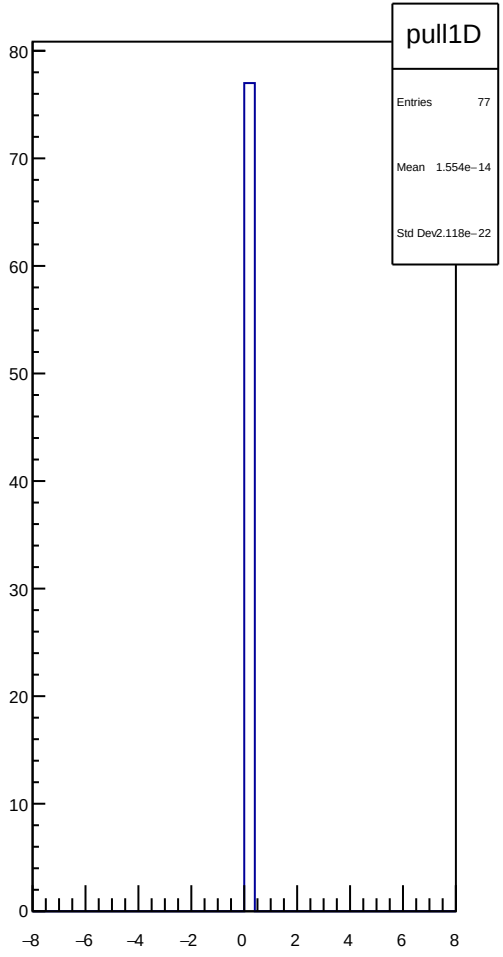

dit_atl1_11X12X_slope vs run
χ² / ndf 5.51e−25 / 76
p0 −17.75 ± 0.05265
−17.2
−17.4
−17.6
−17.8
−18
−18.2
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

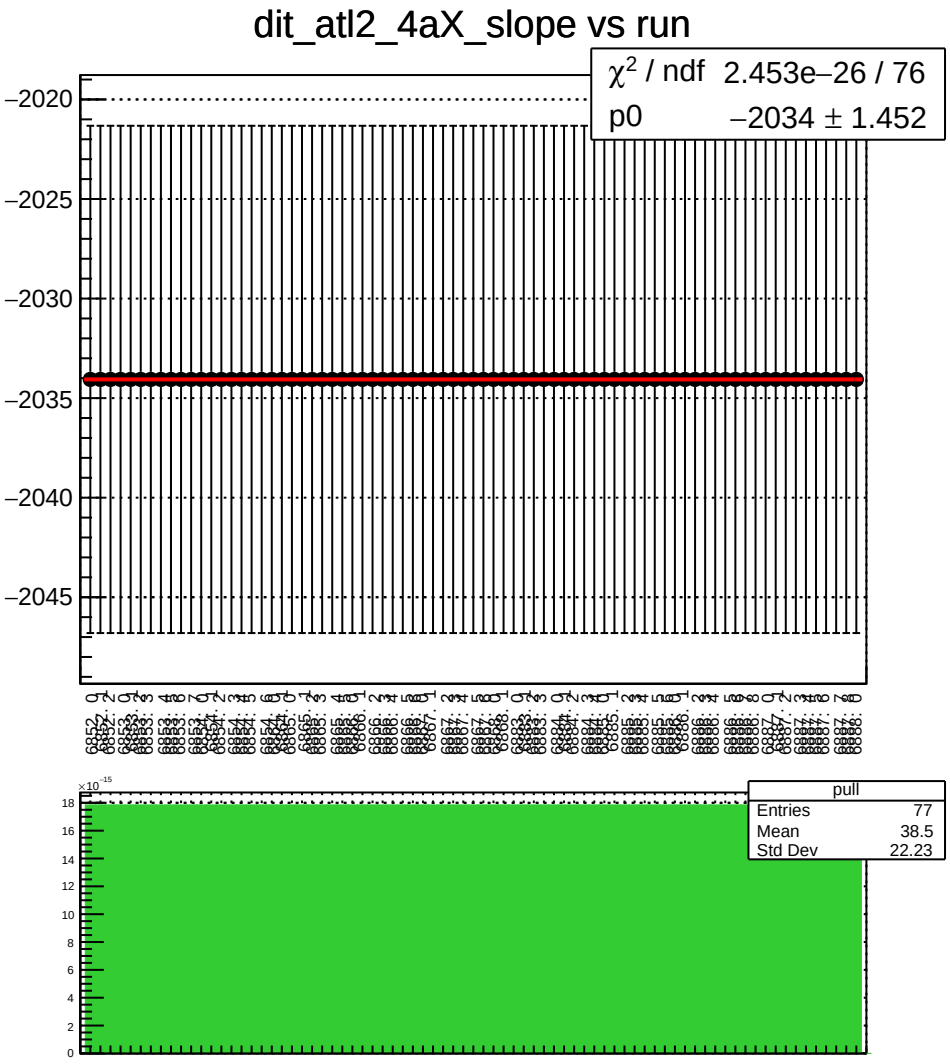

pull1D
Entries 77
Mean −8.459e−14
Std Dev 5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

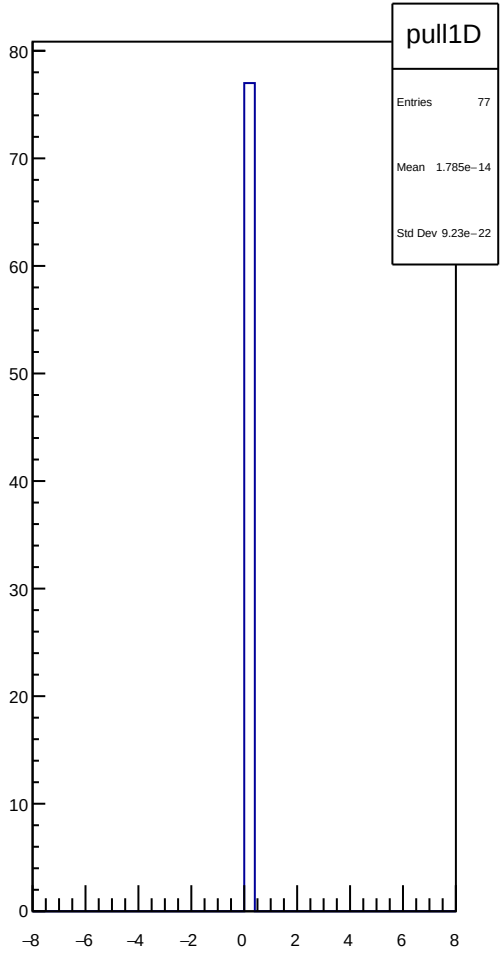

dit_atl1_4aY_slope vs run
χ^2 / ndf 6.966e−26 / 76
p0 10.65 ± 0.0875
11.4
11.2
11
10.8
10.6
10.4
10.2
10
9.8
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−5
−10
−15
−20
−25
−30

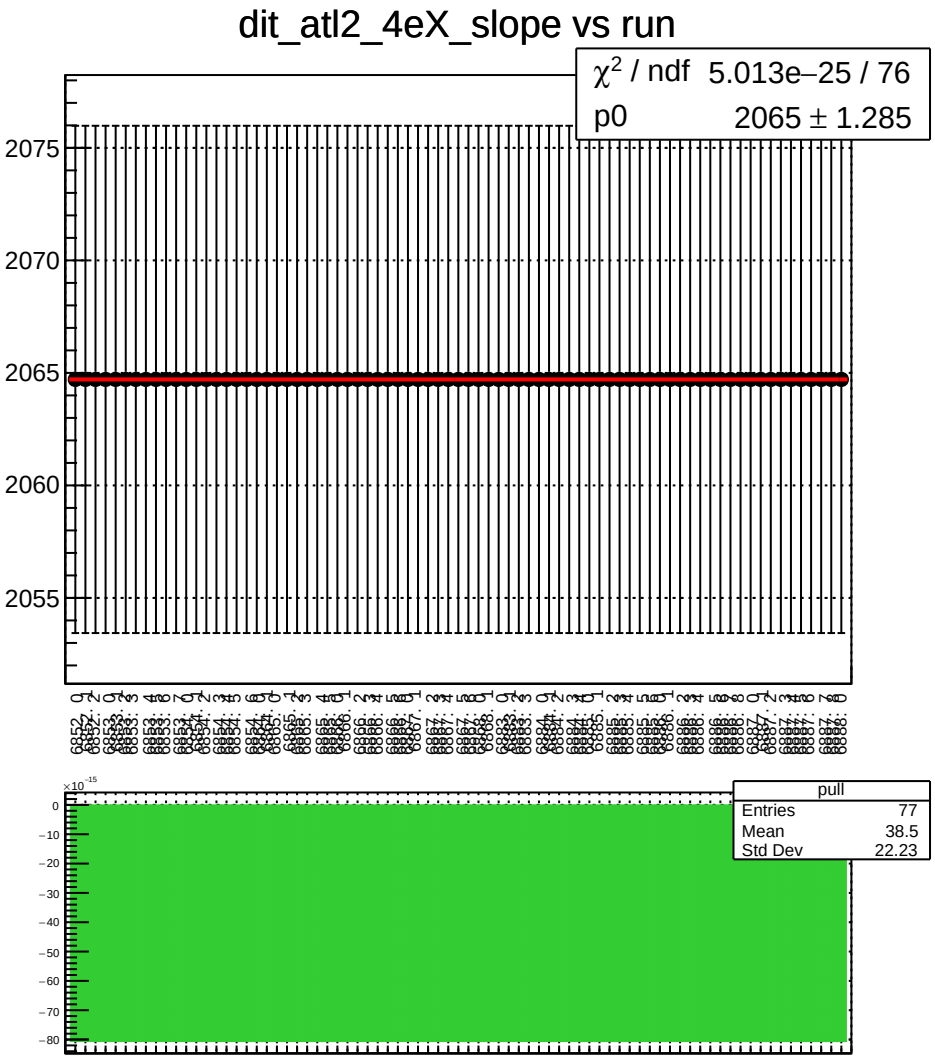

pull1D
Entries 77
Mean −3.008e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

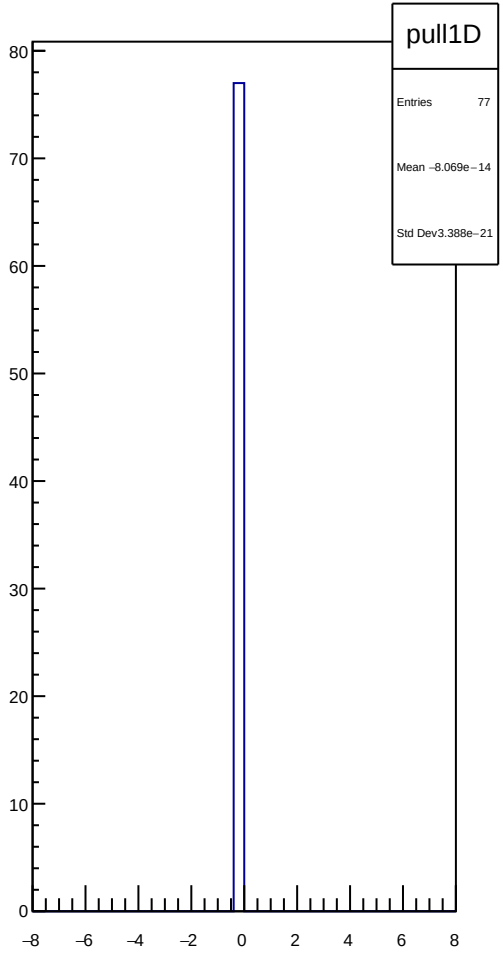

dit_atl1_4eY_slope vs run
χ^2 / ndf 1.859e−26 / 76
p0 −20.29 ± 0.07818
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
−21
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
16
14
12
10
8
6
4
2
0

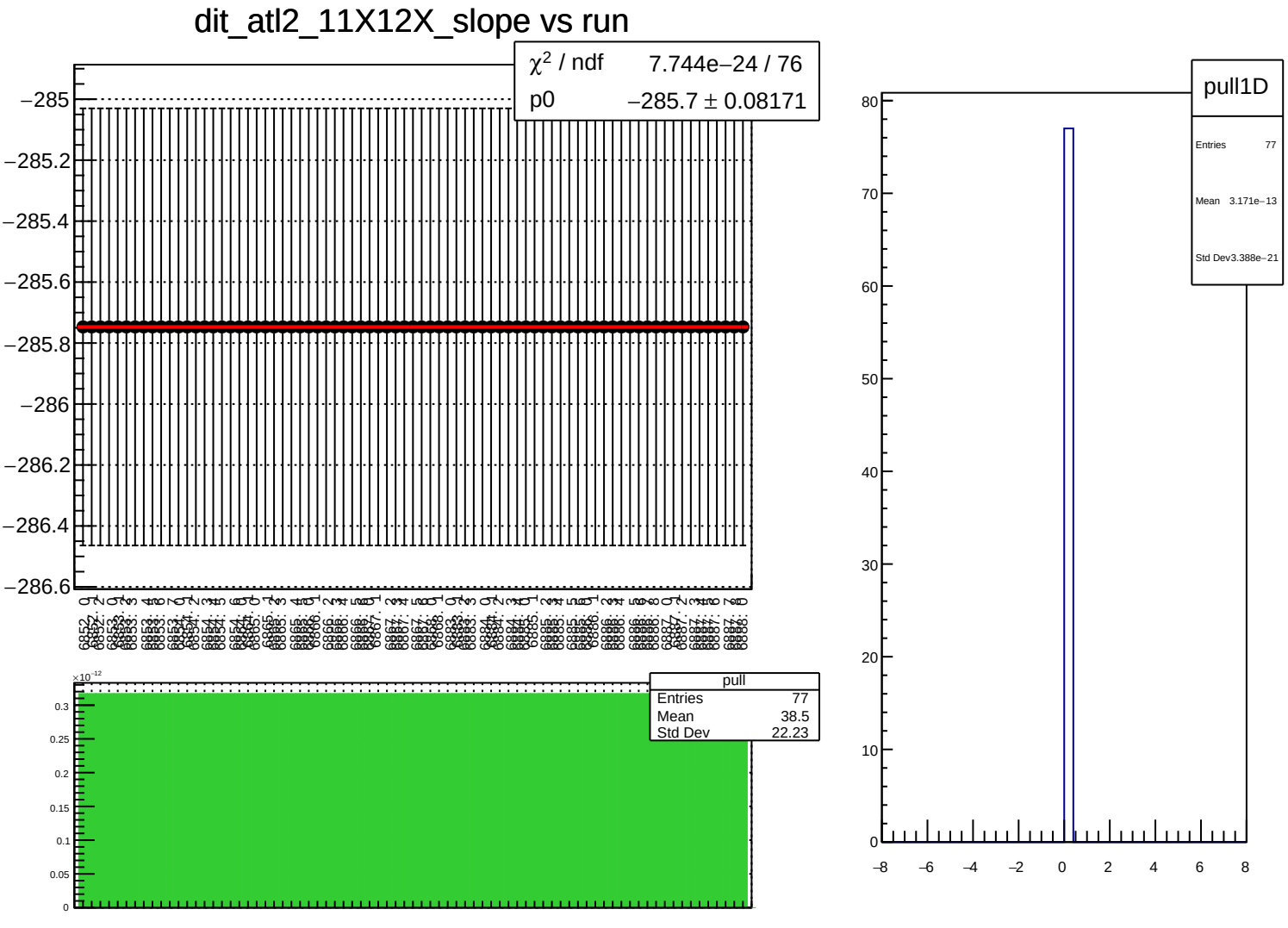

pull1D
Entries 77
Mean 1.554e−14
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

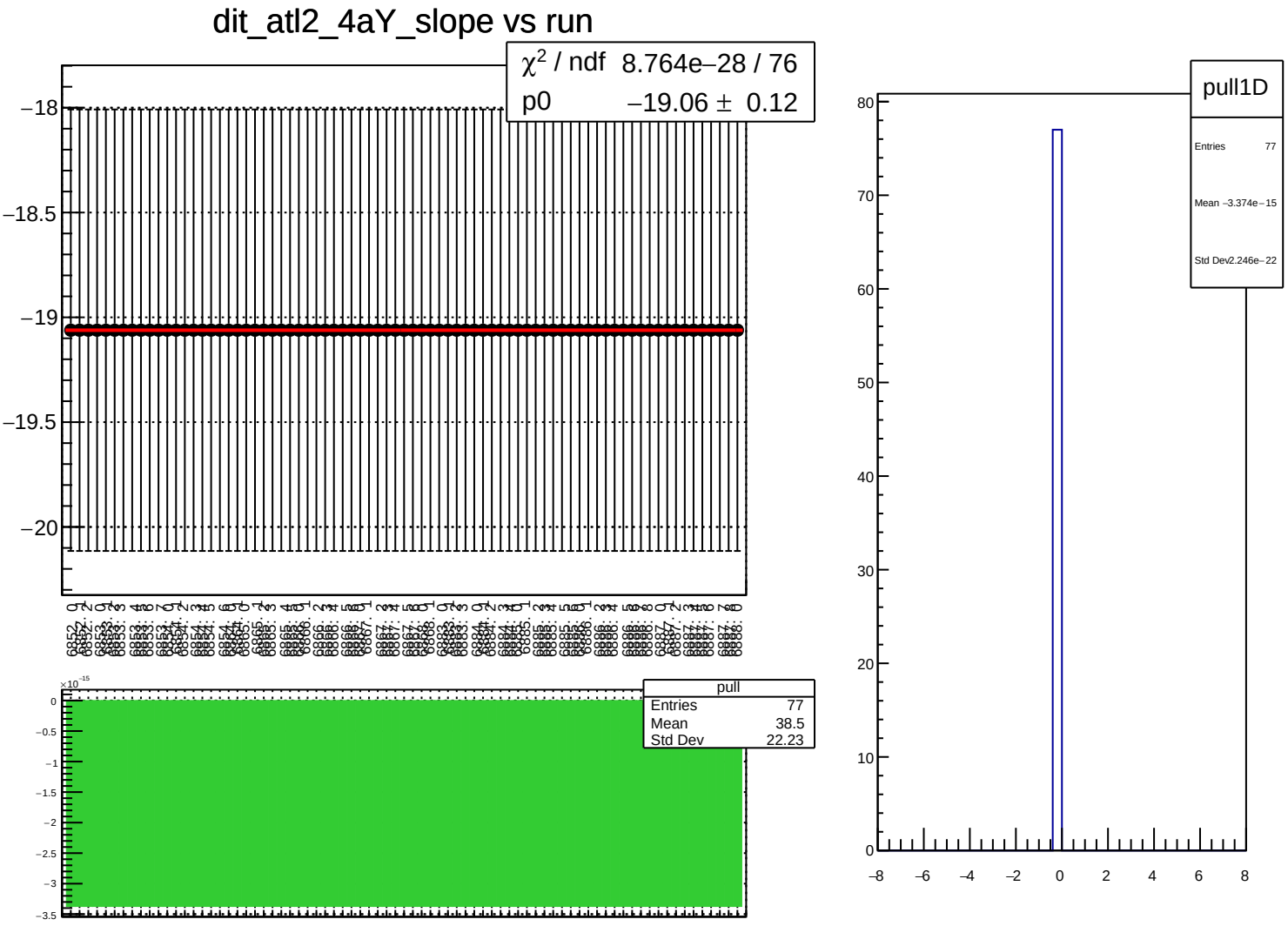

dit_atl2_4aX_slope vs run
χ^2 / ndf 2.453e−26 / 76
p0 −2034 ± 1.452
−2020
−2025
−2030
−2035
−2040
−2045
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
18
16
14
12
10
8
6
4
2
0

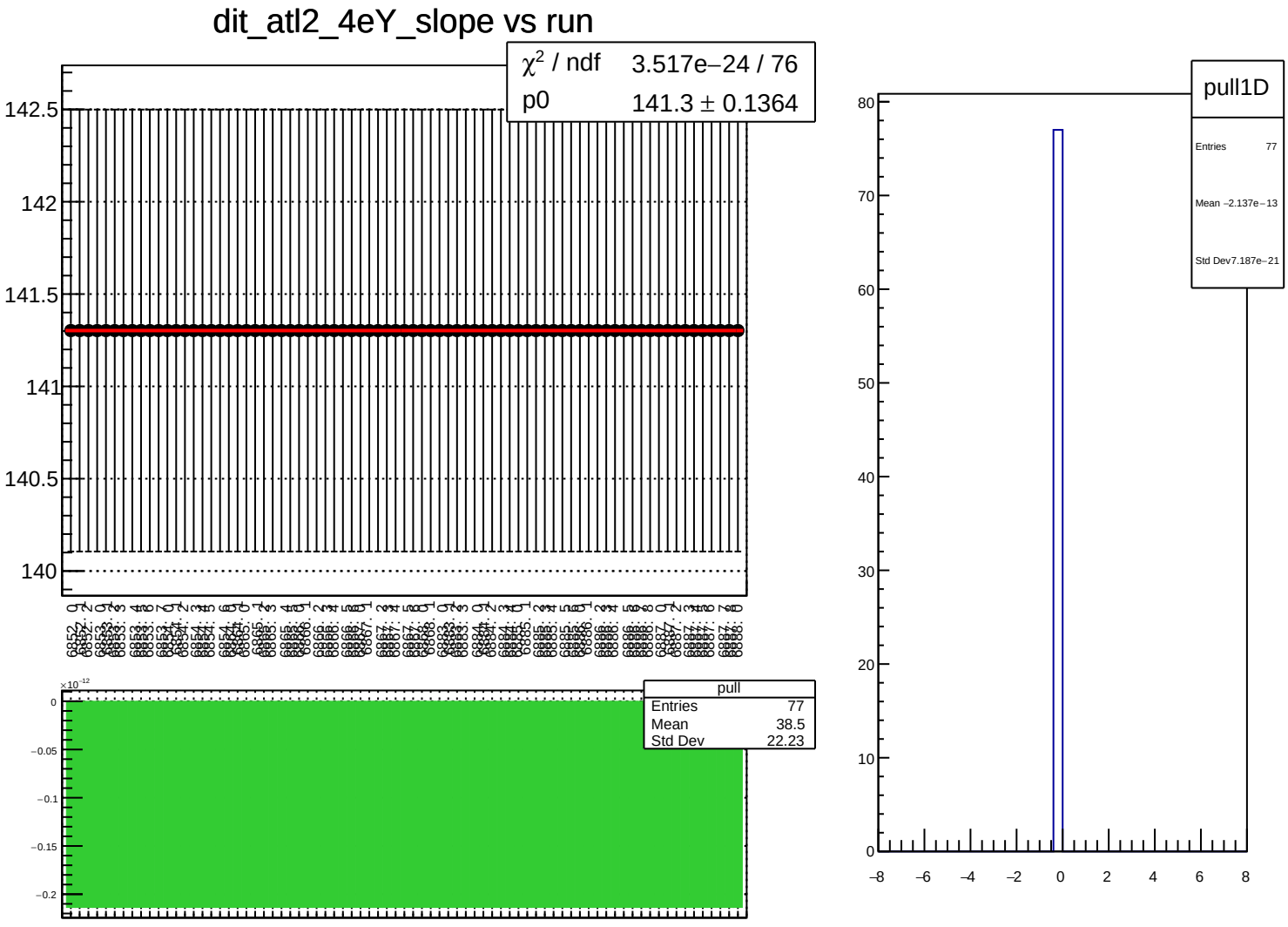

pull1D
Entries 77
Mean 1.785e−14
Std Dev 9.23e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

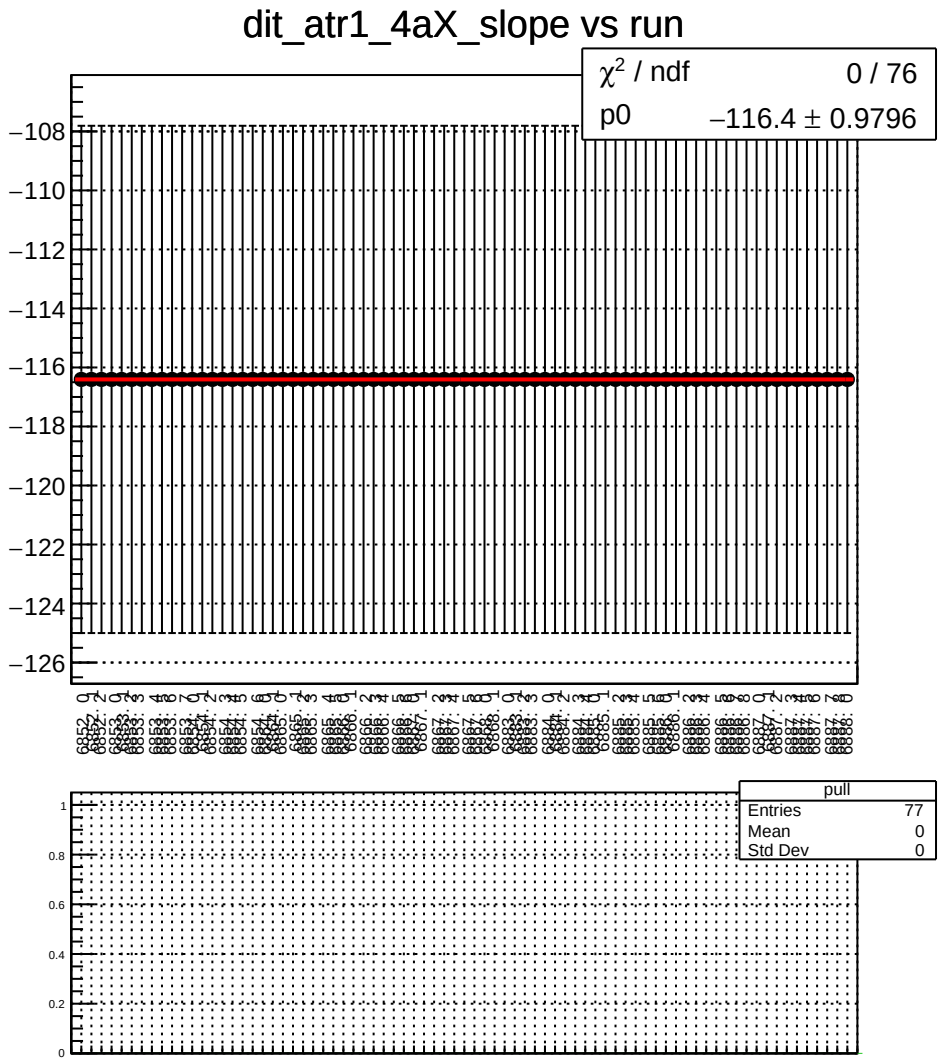

dit_atl2_4eX_slope vs run
χ^2 / ndf 5.013e−25 / 76
p0 2065 ± 1.285
2075
2070
2065
2060
2055
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

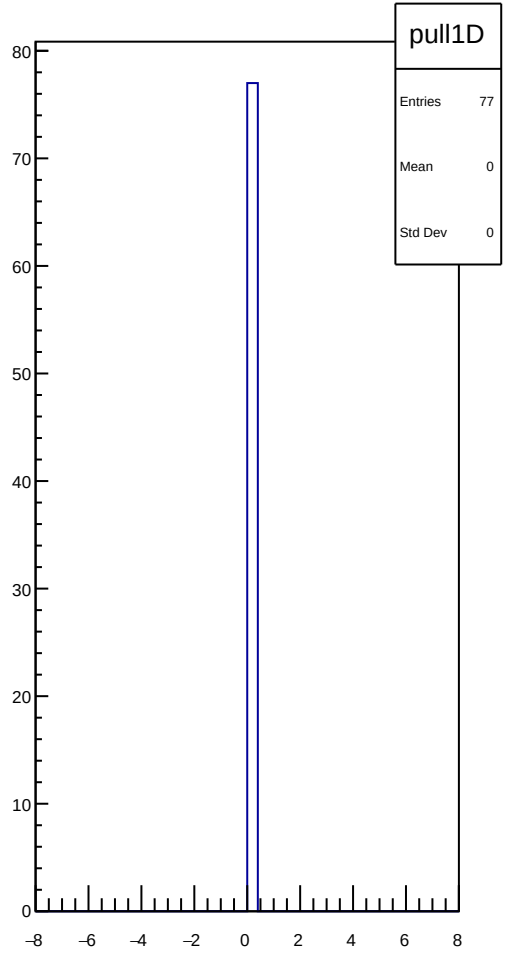

pull1D
Entries 77
Mean −8.069e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

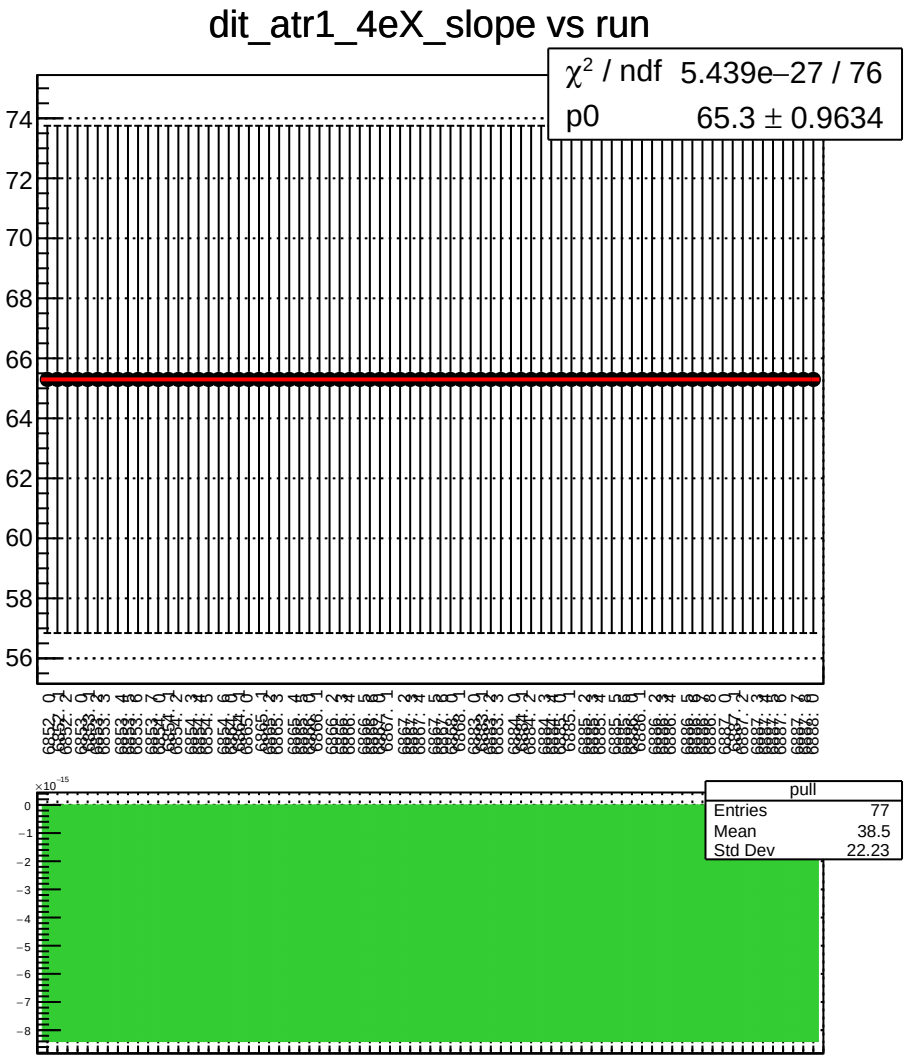

dit_atl2_11X12X_slope vs run
χ^2 / ndf 7.744e−24 / 76
p0 −285.7 ± 0.08171
−285
−285.2
−285.4
−285.6
−285.8
−286
−286.2
−286.4
−286.6
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 77
Mean 3.171e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

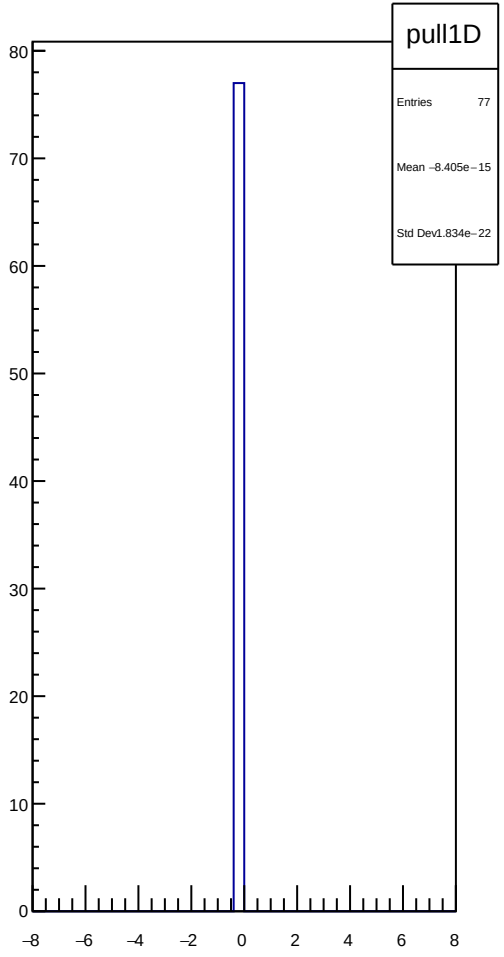

dit_atl2_4aY_slope vs run
χ² / ndf 8.764e−28 / 76
p0 −19.06 ± 0.12
−18
−18.5
−19
−19.5
−20
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 77
Mean −3.374e−15
Std Dev 2.246e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

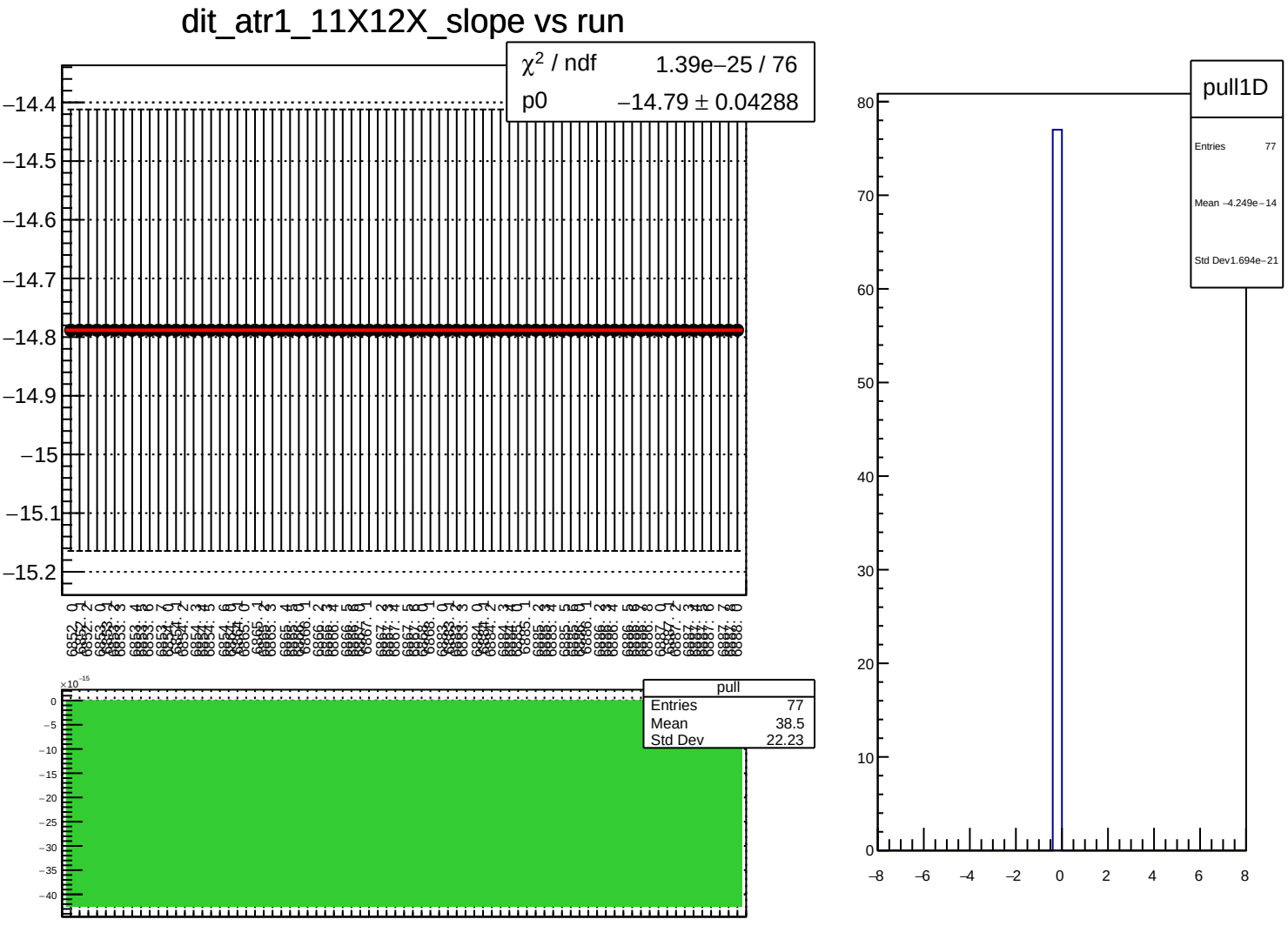

dit_atl2_4eY_slope vs run
χ^2 / ndf 3.517e−24 / 76
p0 141.3 ± 0.1364
142.5
142
141.5
141
140.5
140
pull
Entries 77
Mean 38.5
Std Dev 22.23
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 77
Mean −2.137e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

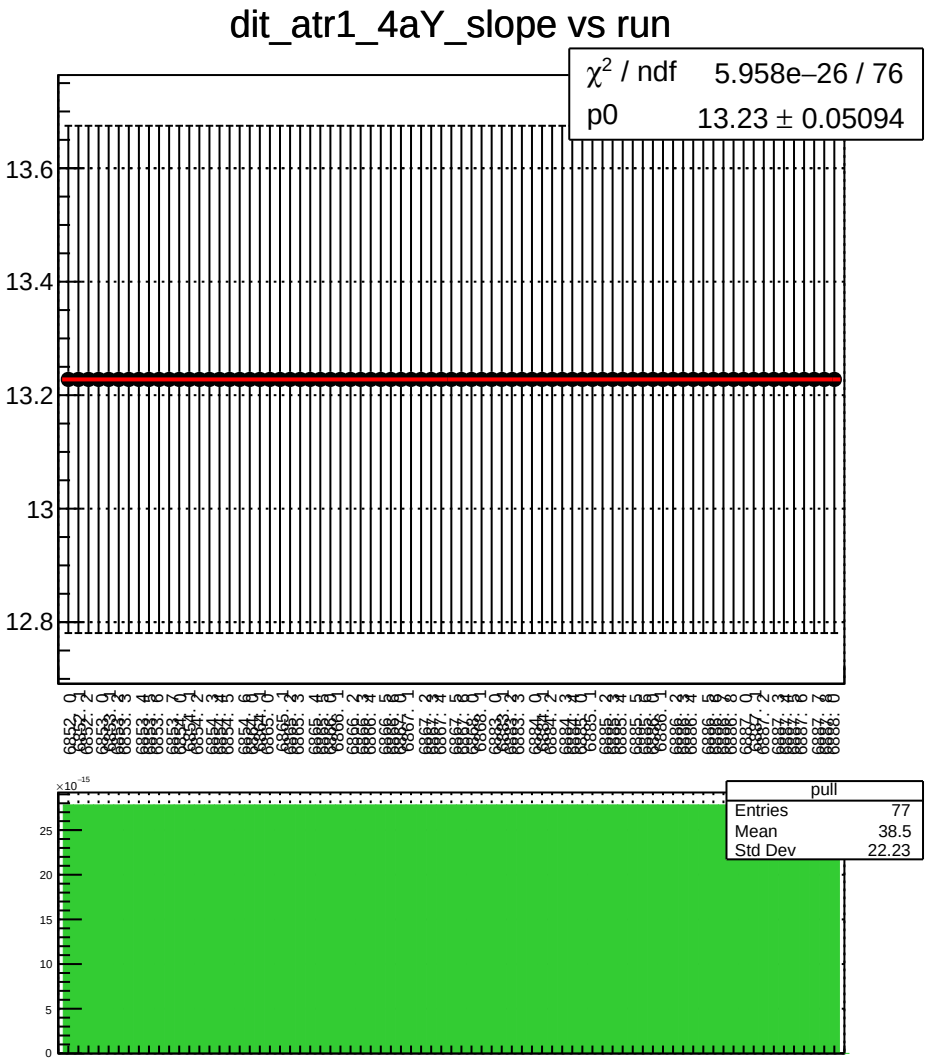

dit_atr1_4aX_slope vs run
χ^2 / ndf 0 / 76
p0 −116.4 ± 0.9796
−108
−110
−112
−114
−116
−118
−120
−122
−124
−126
pull
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

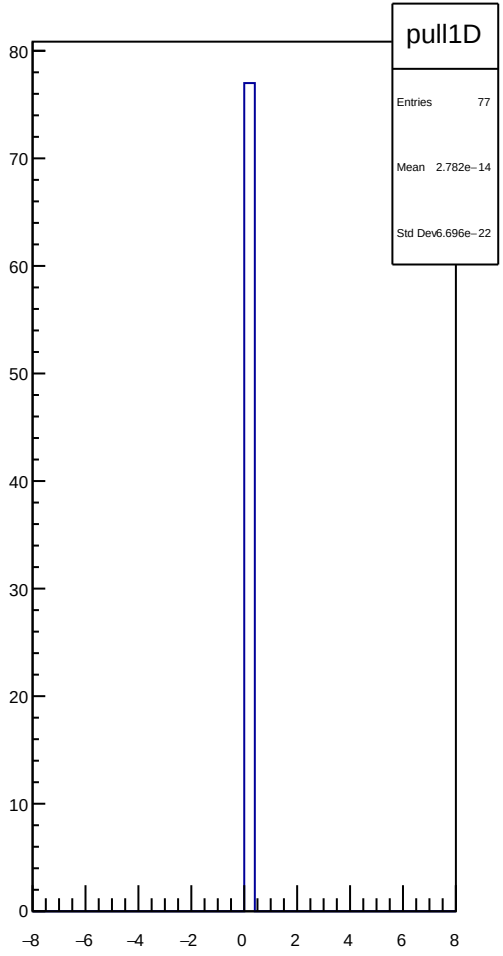

pull1D
Entries 77
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

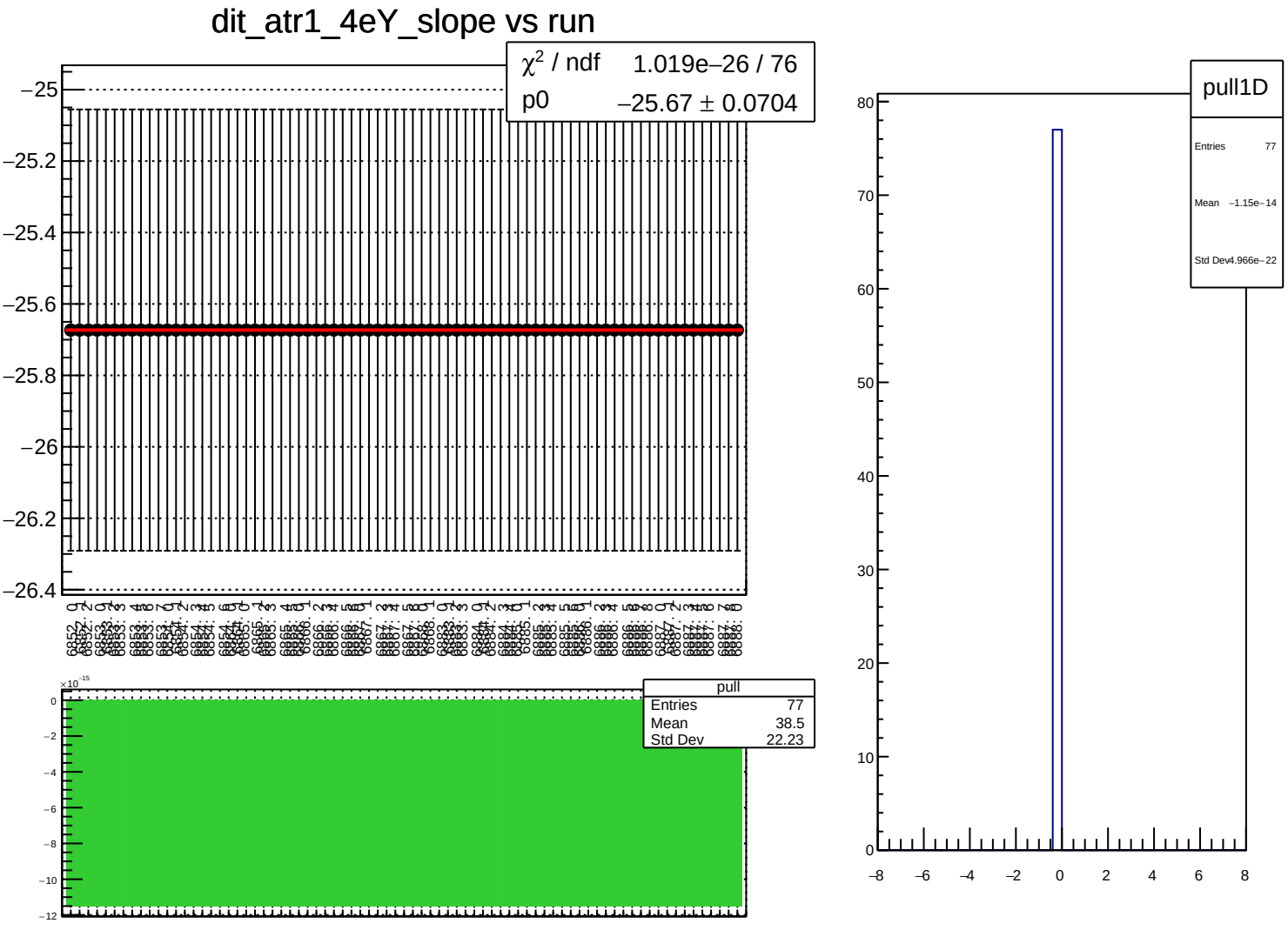

dit_atr1_4eX_slope vs run
χ^2 / ndf 5.439e−27 / 76
p0 65.3 ± 0.9634
74
72
70
68
66
64
62
60
58
56
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

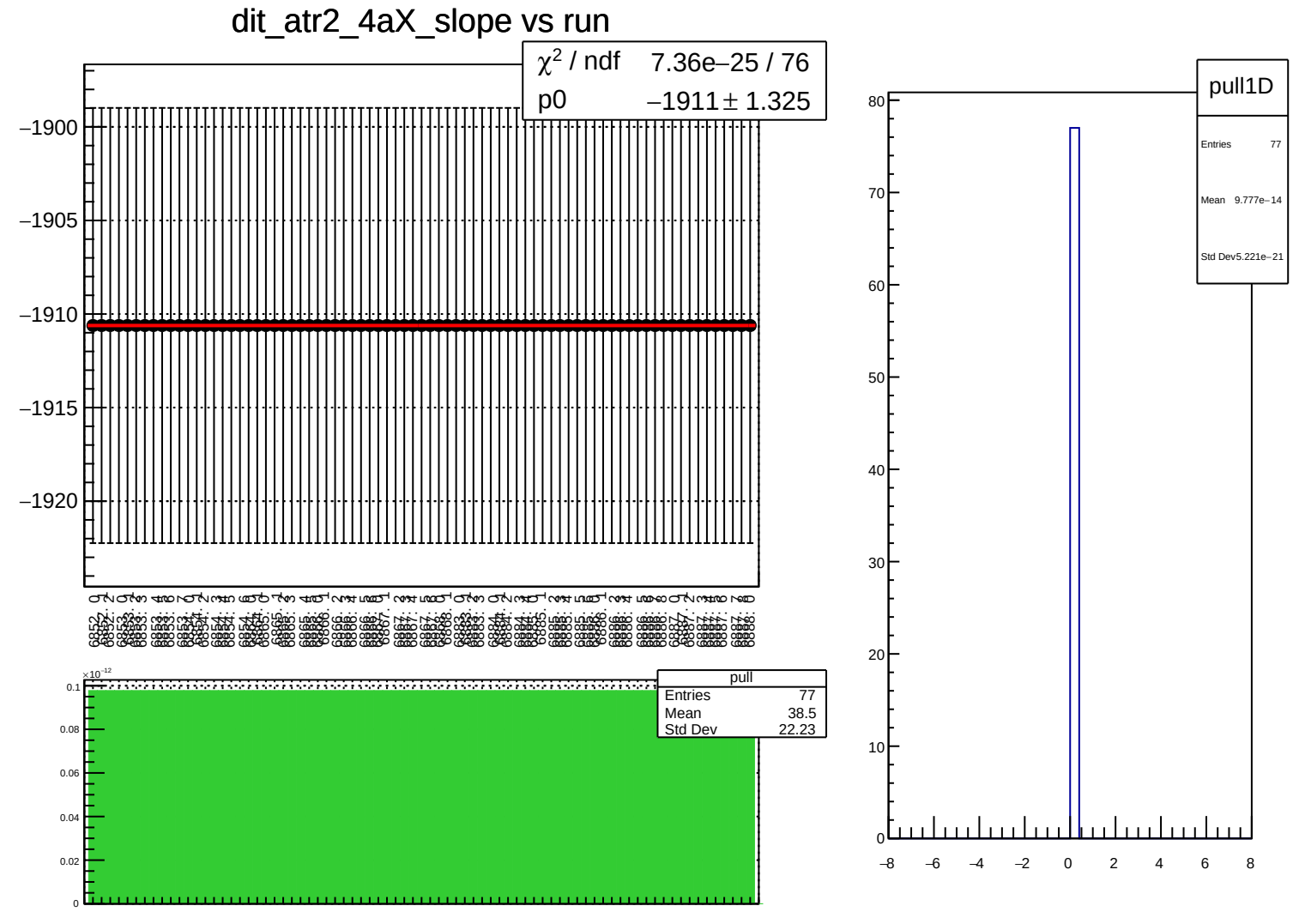

pull1D
Entries 77
Mean −8.405e−15
Std Dev1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

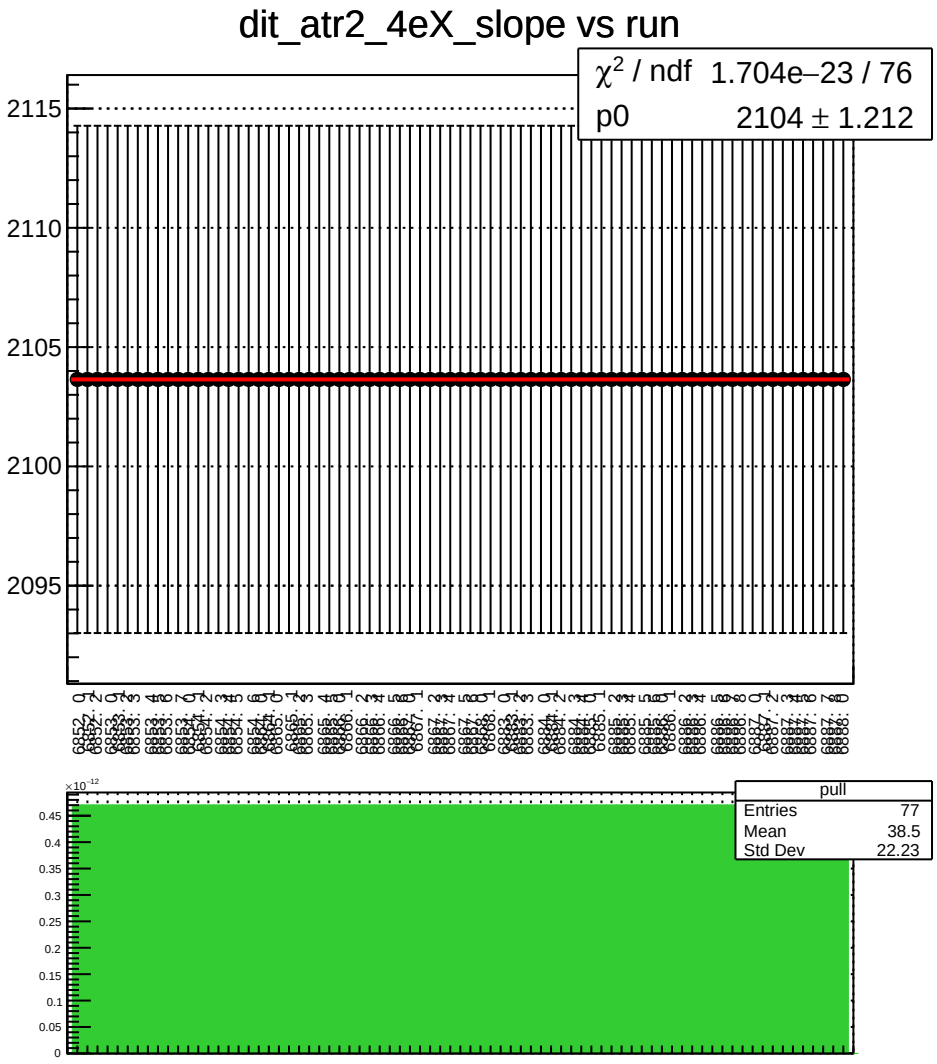

dit_atr1_11X12X_slope vs run
χ^2 / ndf 1.39e−25 / 76
p0 −14.79 ± 0.04288
−14.4
−14.5
−14.6
−14.7
−14.8
−14.9
−15
−15.1
−15.2
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 77
Mean −4.249e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

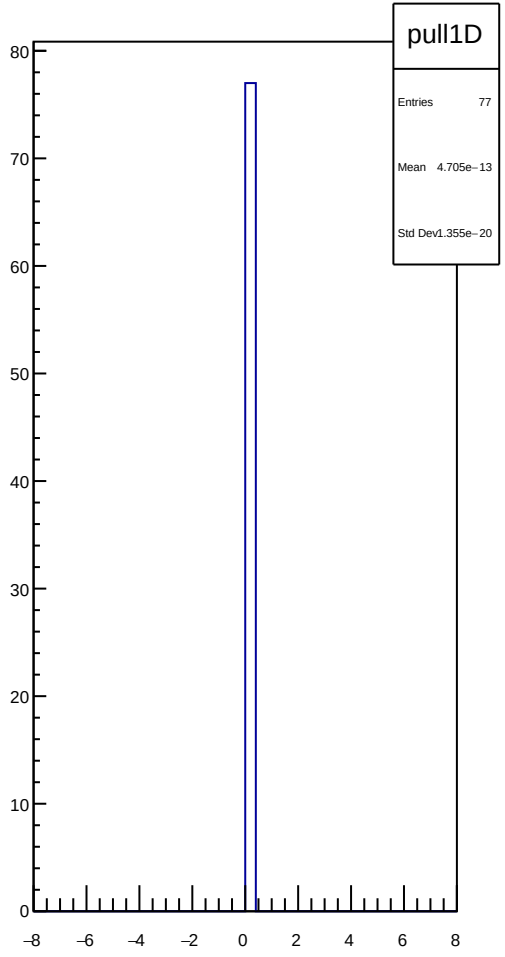

dit_atr1_4aY_slope vs run
χ² / ndf 5.958e−26 / 76
p0 13.23 ± 0.05094
13.6
13.4
13.2
13
12.8
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹⁵
25
20
15
10
5
0

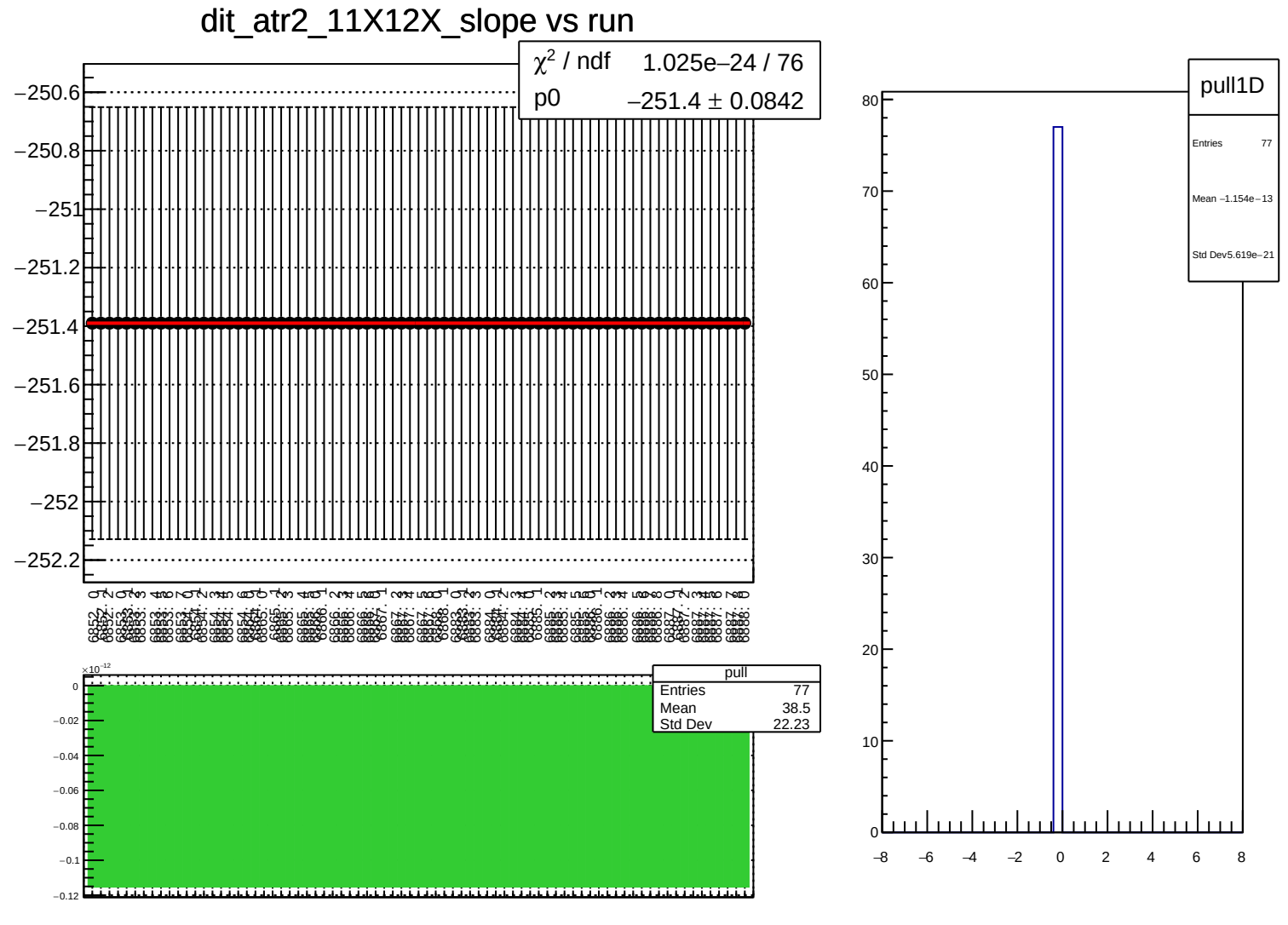

pull1D
Entries 77
Mean 2.782e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

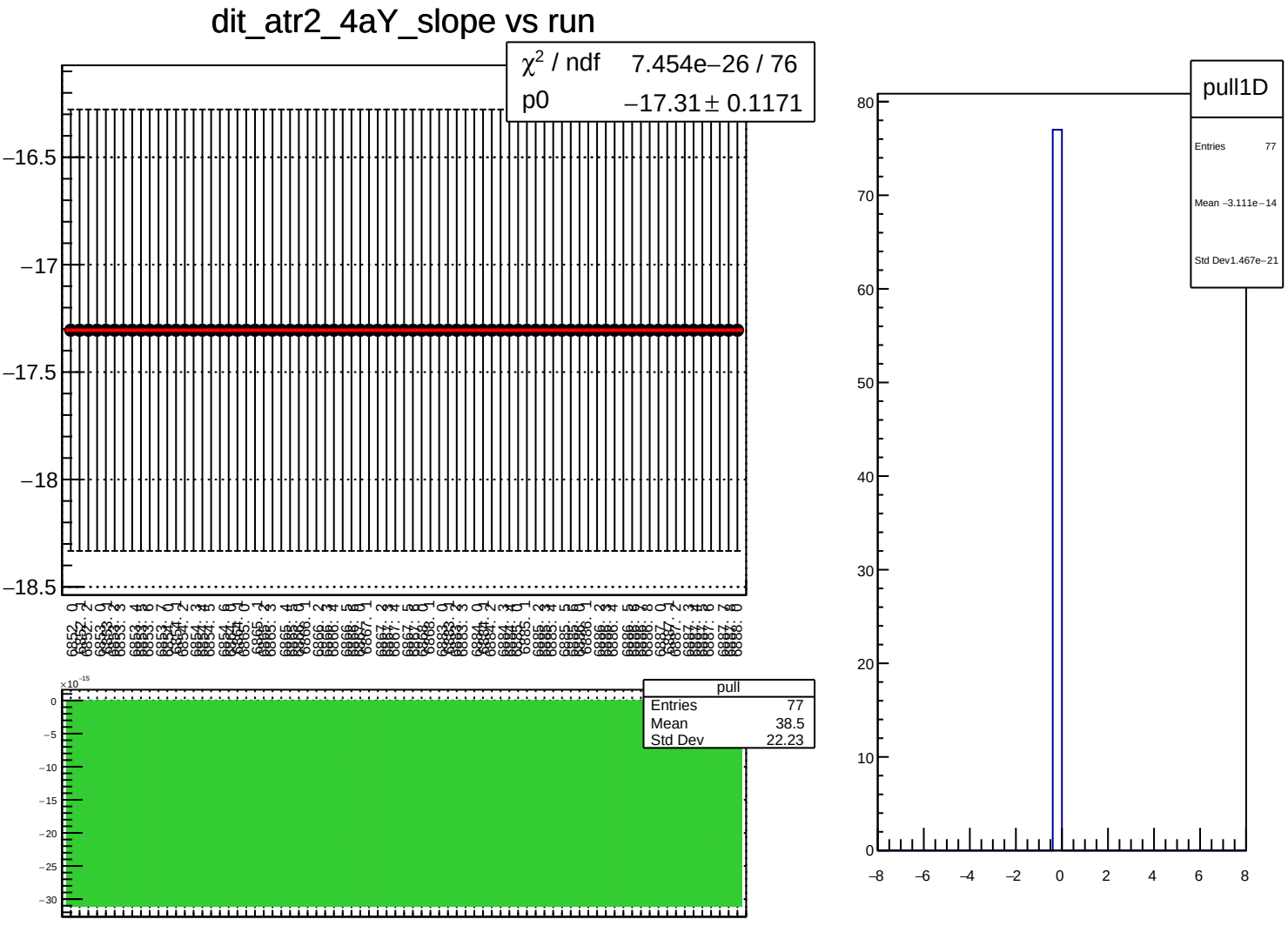

dit_atr1_4eY_slope vs run
χ² / ndf 1.019e−26 / 76
p0 −25.67 ± 0.0704
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.15e−14
Std Dev 4.966e−22

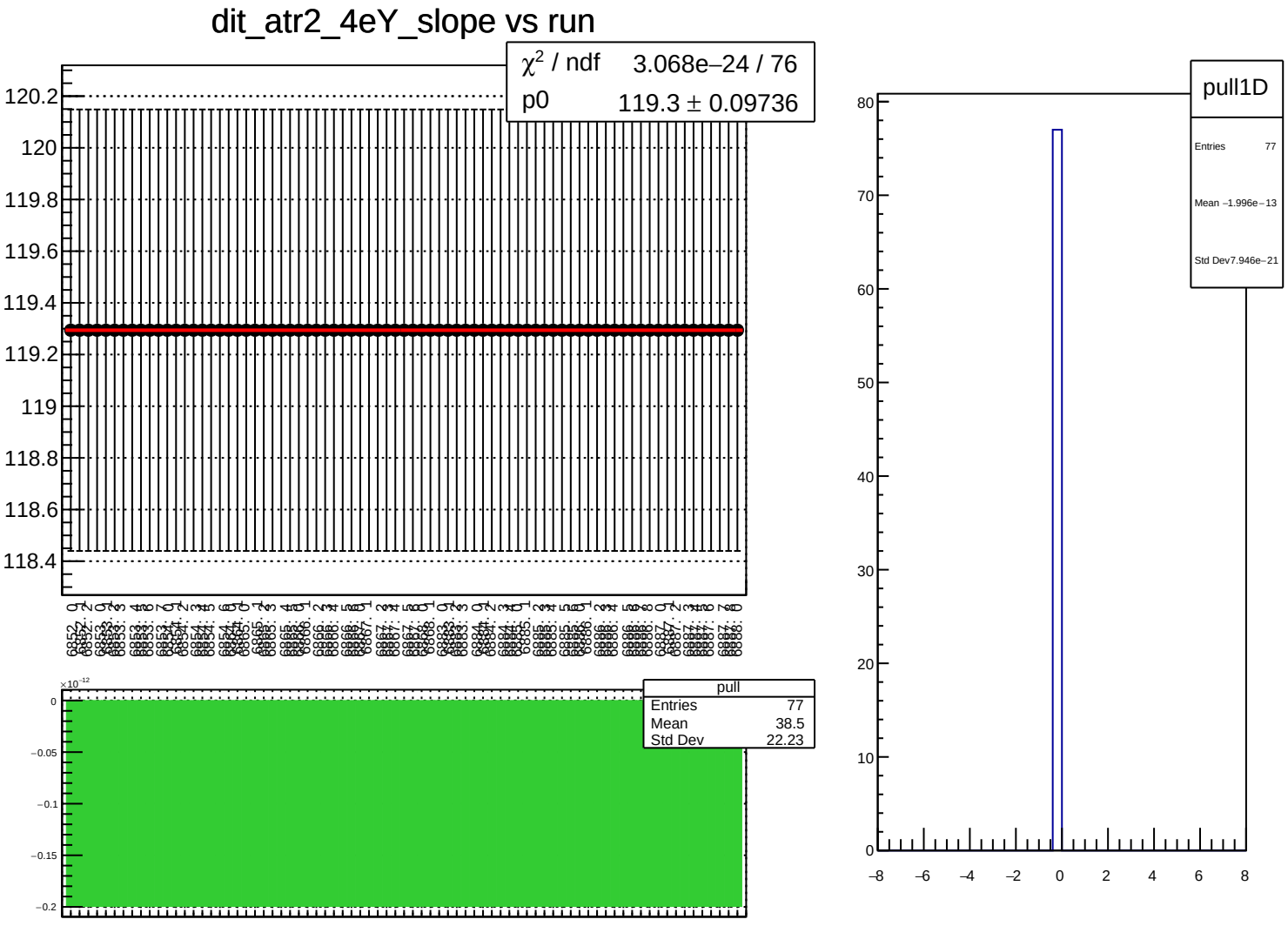

dit_atr2_4aX_slope vs run
χ² / ndf 7.36e−25 / 76
p0 −1911 ± 1.325
−1900
−1905
−1910
−1915
−1920
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 77
Mean 9.777e−14
Std Dev 5.221e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4eX_slope vs run
χ^2 / ndf 1.704e−23 / 76
p0 2104 ± 1.212
2115
2110
2105
2100
2095
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^-12
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

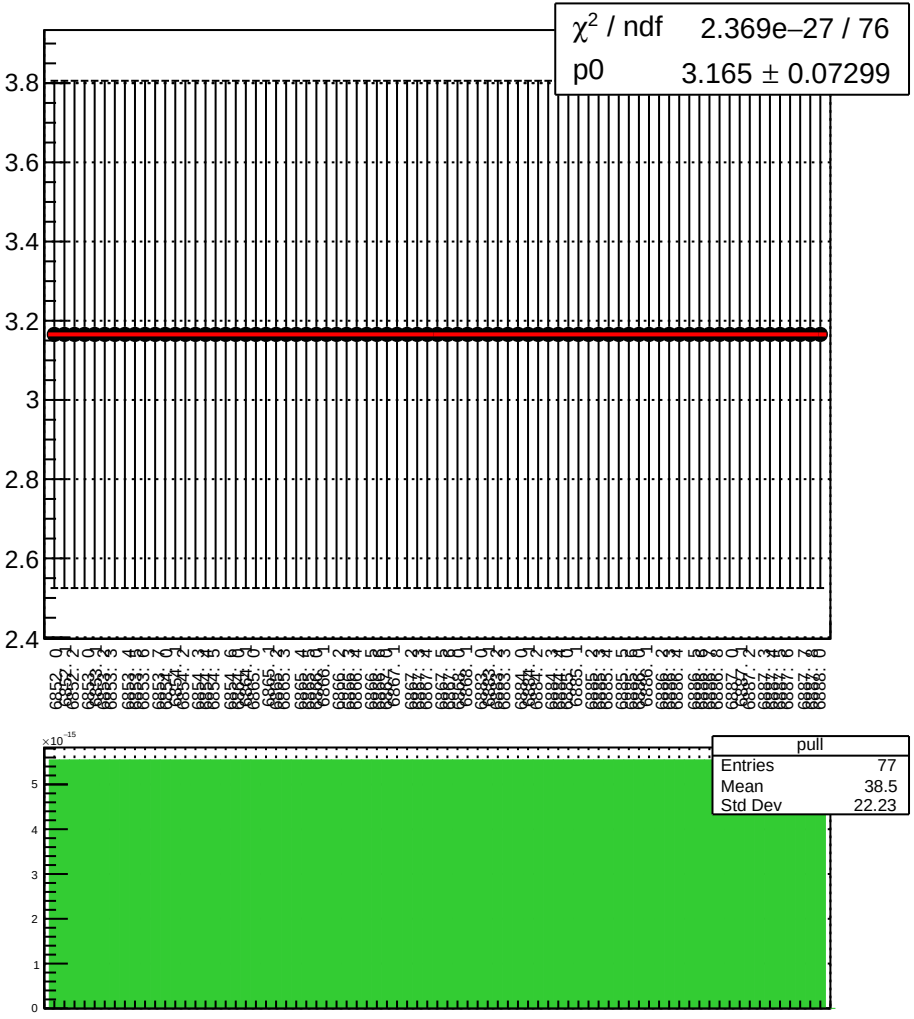

pull1D
Entries 77
Mean 4.705e−13
Std Dev 1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

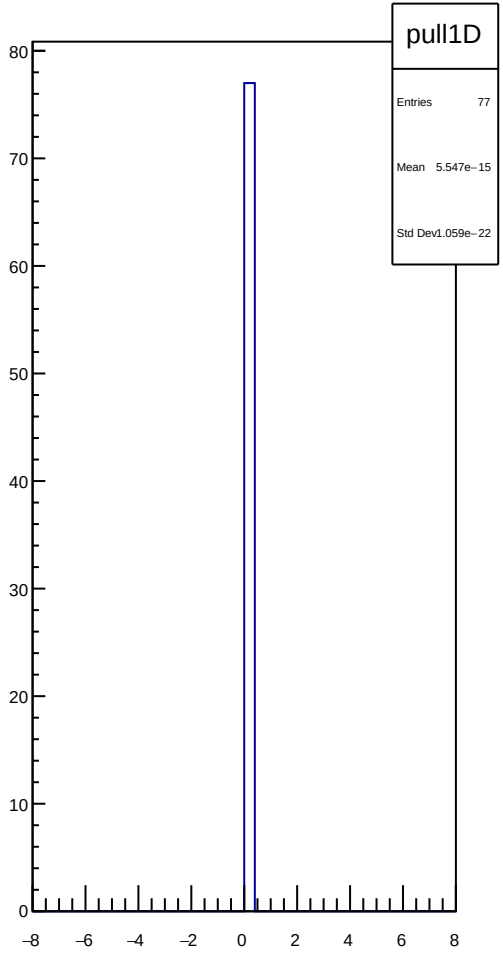

dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.025e−24 / 76
p0 −251.4 ± 0.0842
−250.6
−250.8
−251
−251.2
−251.4
−251.6
−251.8
−252
−252.2
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 77
Mean −1.154e−13
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

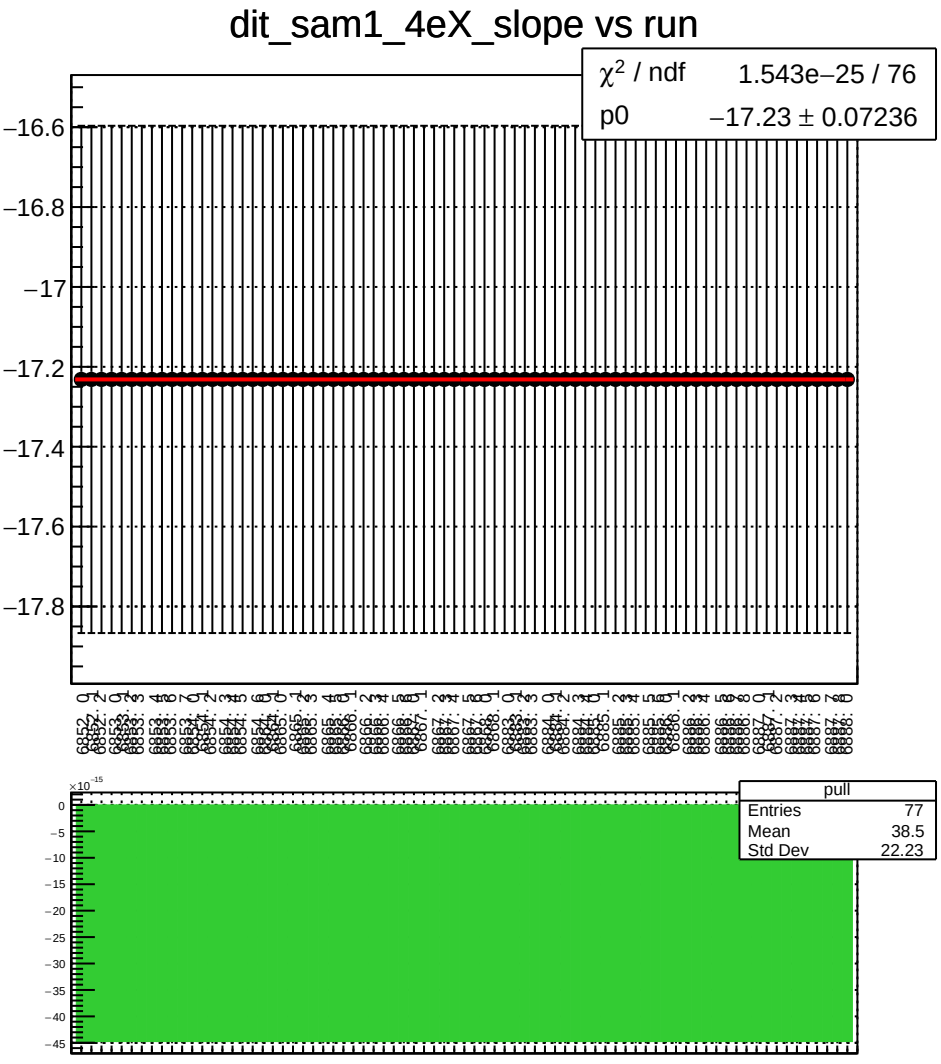

dit_atr2_4aY_slope vs run
χ^2 / ndf 7.454e−26 / 76
p0 −17.31 ± 0.1171
−16.5
−17
−17.5
−18
−18.5
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 77
Mean −3.111e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

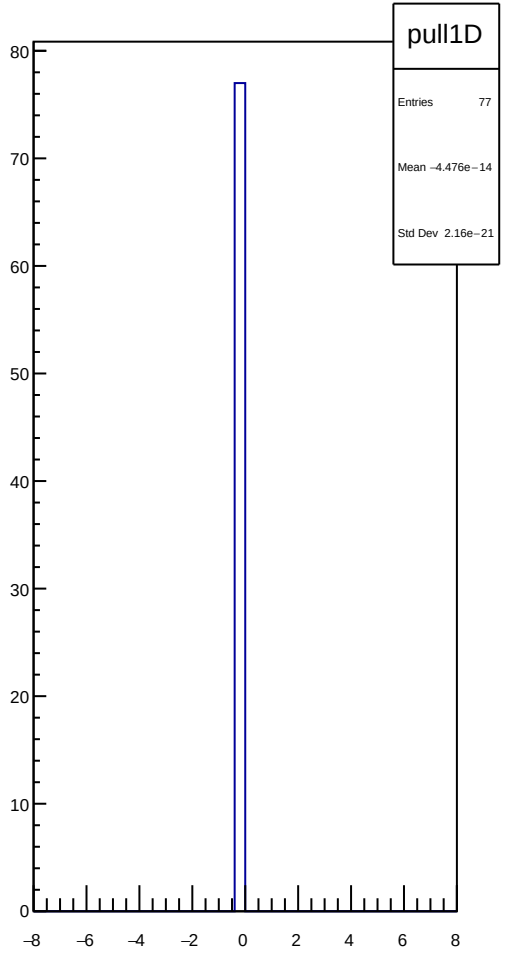

dit_atr2_4eY_slope vs run
χ^2 / ndf 3.068e−24 / 76
p0 119.3 ± 0.09736
120.2
120
119.8
119.6
119.4
119.2
119
118.8
118.6
118.4
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 77
Mean −1.996e−13
Std Dev 7.946e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

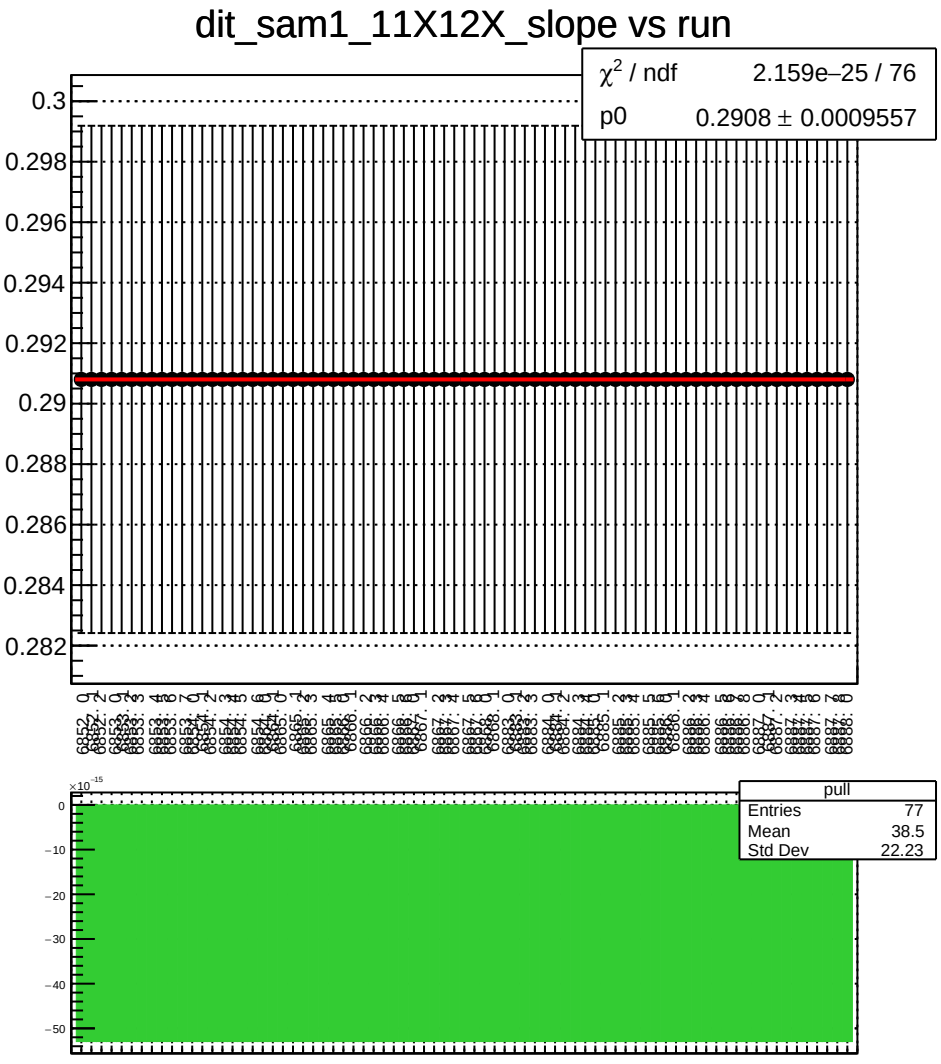
dit_sam1_4aX_slope vs run

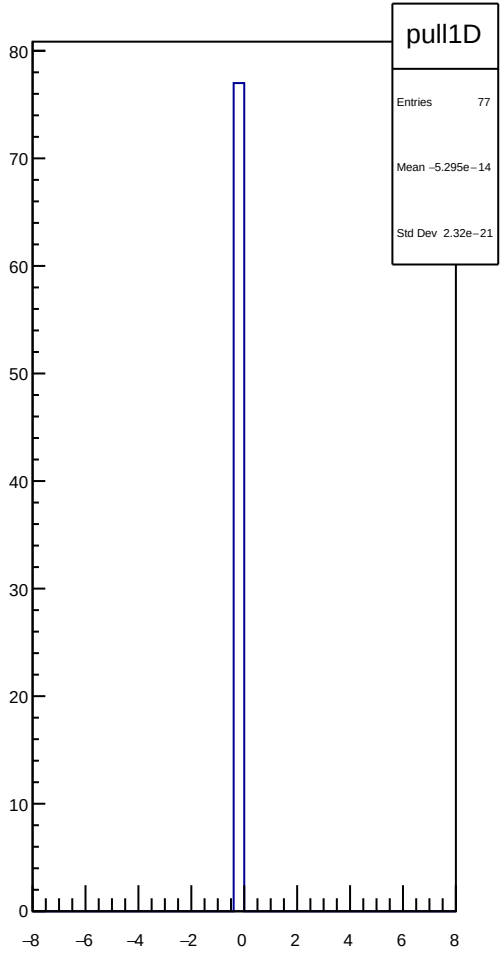


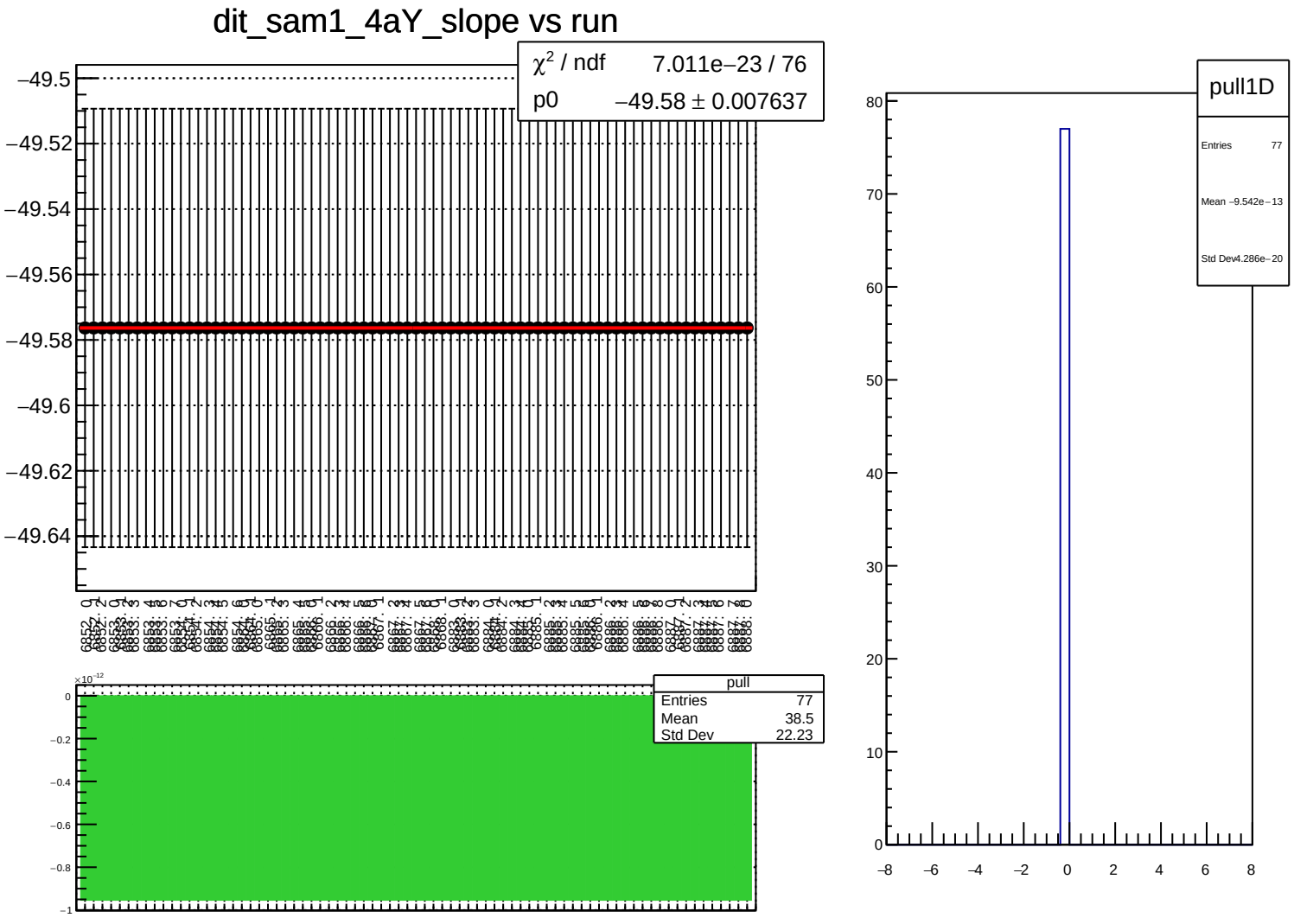


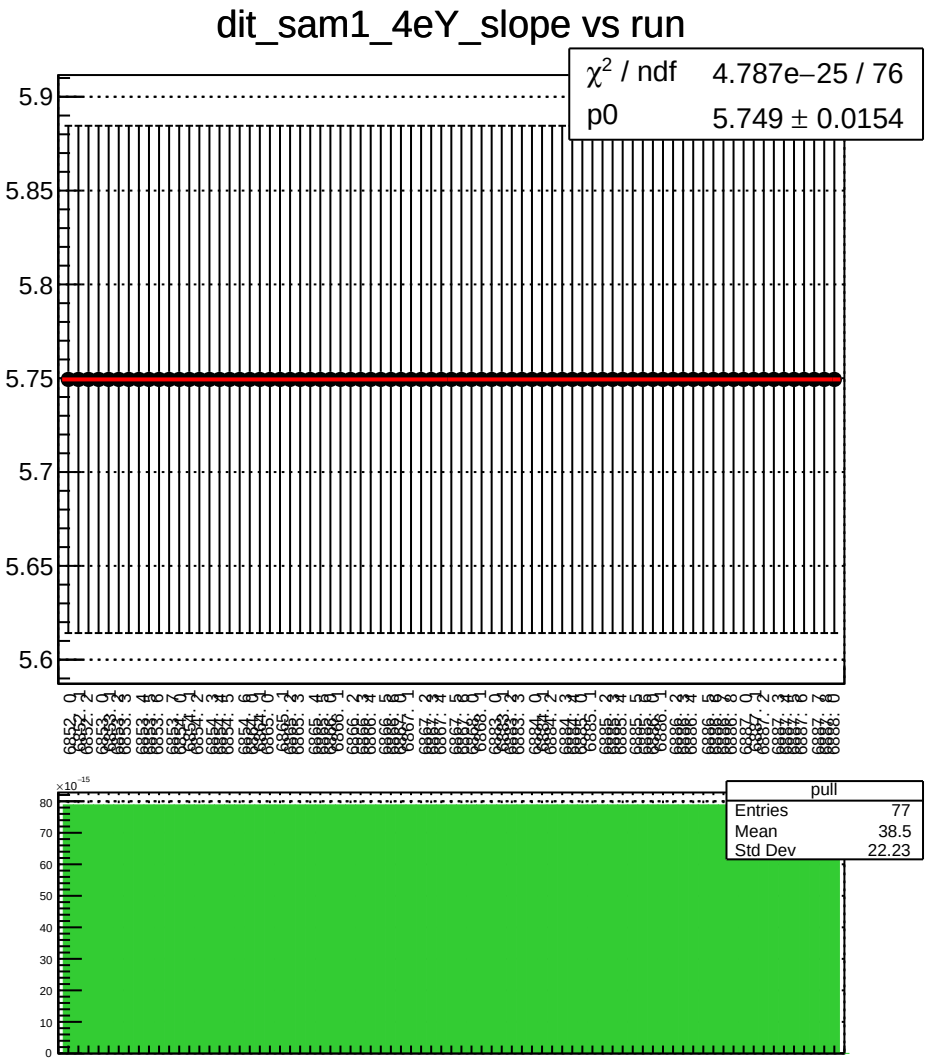

dit_sam1_4eX_slope vs run
χ^2 / ndf 1.543e−25 / 76
p0 −17.23 ± 0.07236
−16.6
−16.8
−17
−17.2
−17.4
−17.6
−17.8
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

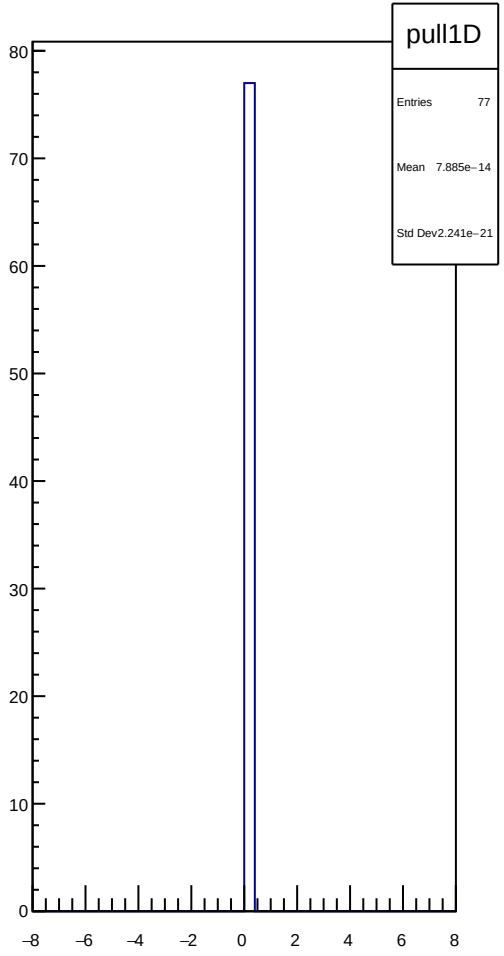

pull1D
Entries 77
Mean −4.476e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

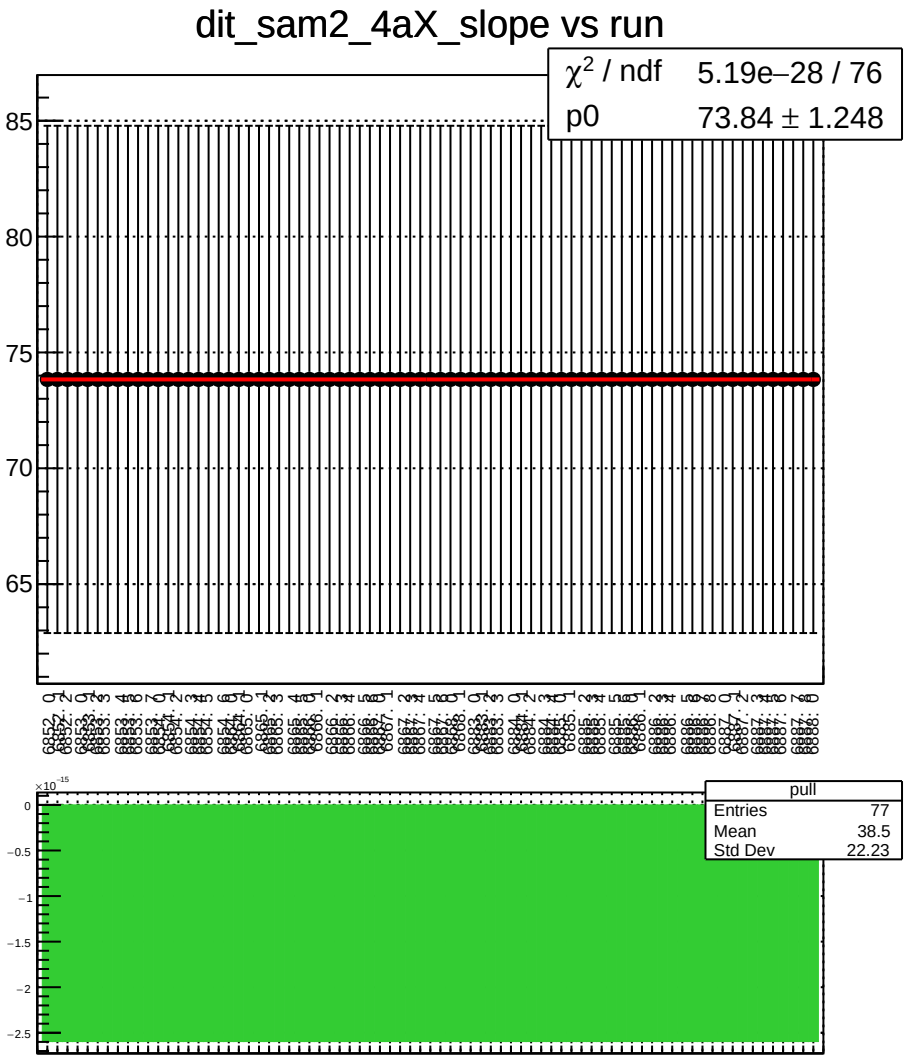

dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.159e−25 / 76
p0 0.2908 ± 0.0009557
0.3
0.298
0.296
0.294
0.292
0.29
0.288
0.286
0.284
0.282
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−10
−20
−30
−40
−50

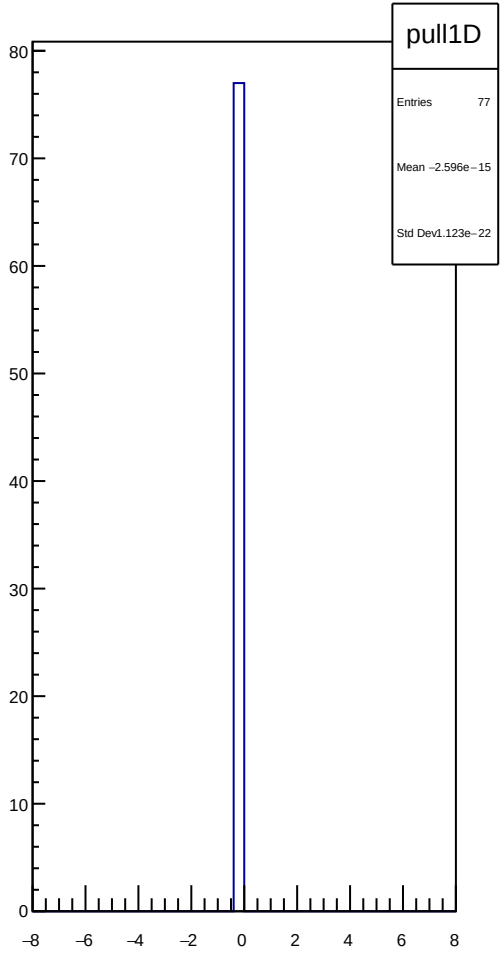

pull1D
Entries 77
Mean −5.295e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_4aY_slope vs run
χ² / ndf 7.011e−23 / 76
p0 −49.58 ± 0.007637
−49.5
−49.52
−49.54
−49.56
−49.58
−49.6
−49.62
−49.64
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 77
Mean −9.542e−13
Std Dev 4.286e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

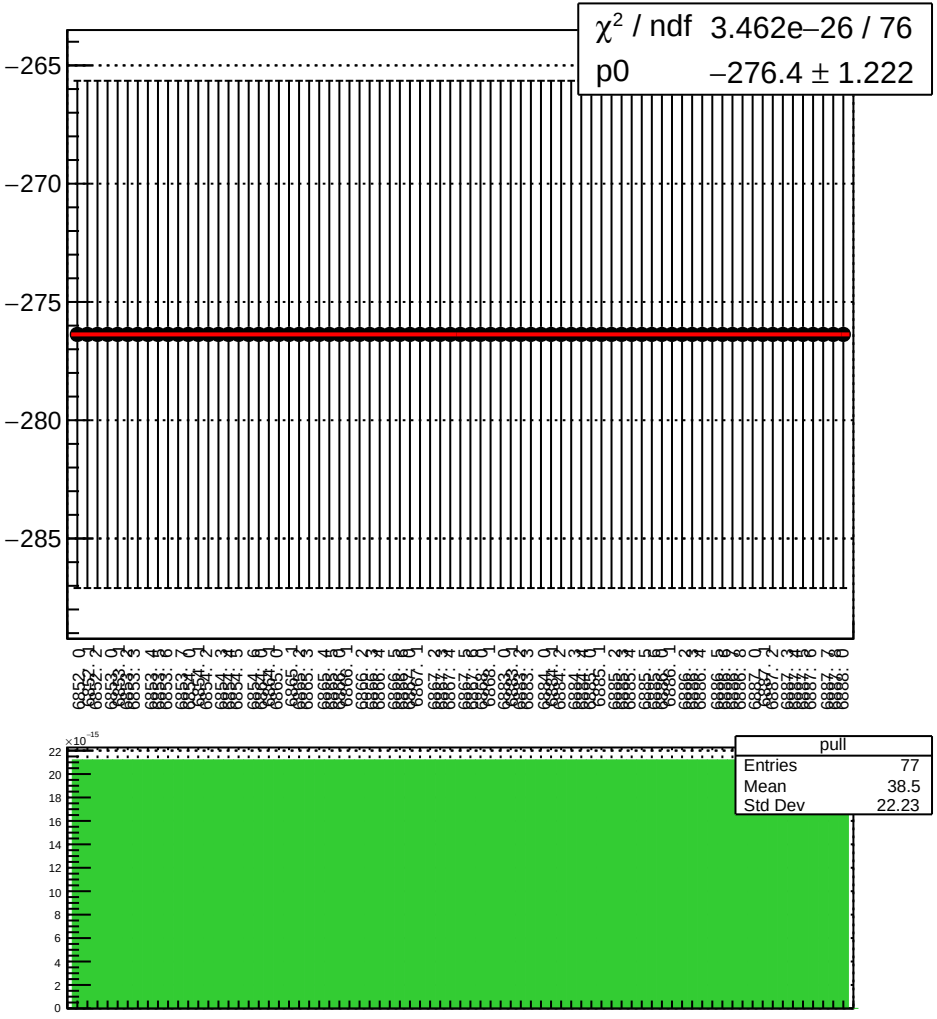

dit_sam1_4eY_slope vs run
χ^2 / ndf 4.787e−25 / 76
p0 5.749 ± 0.0154
5.9
5.85
5.8
5.75
5.7
5.65
5.6
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
80
70
60
50
40
30
20
10
0

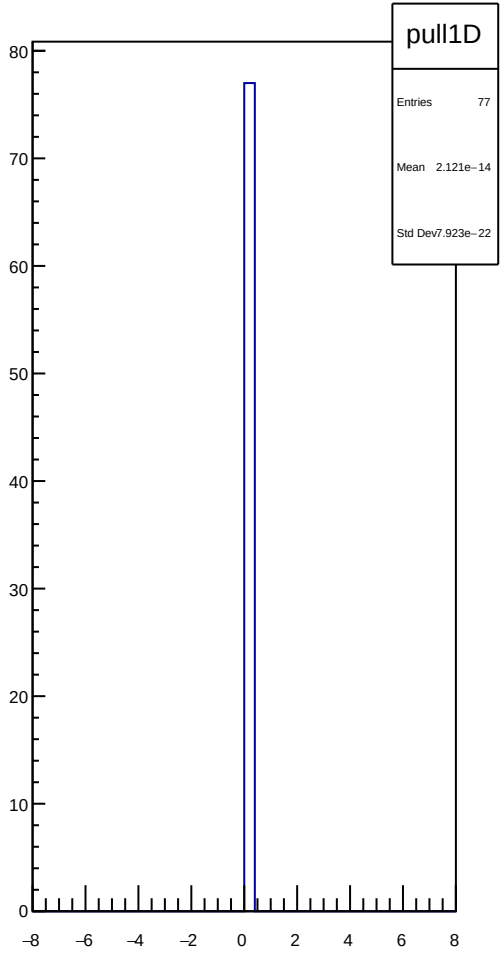

pull1D
Entries 77
Mean 7.885e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_4aX_slope vs run
χ^2 / ndf 5.19e−28 / 76
p0 73.84 ± 1.248
85
80
75
70
65
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−0.5
−1
−1.5
−2
−2.5

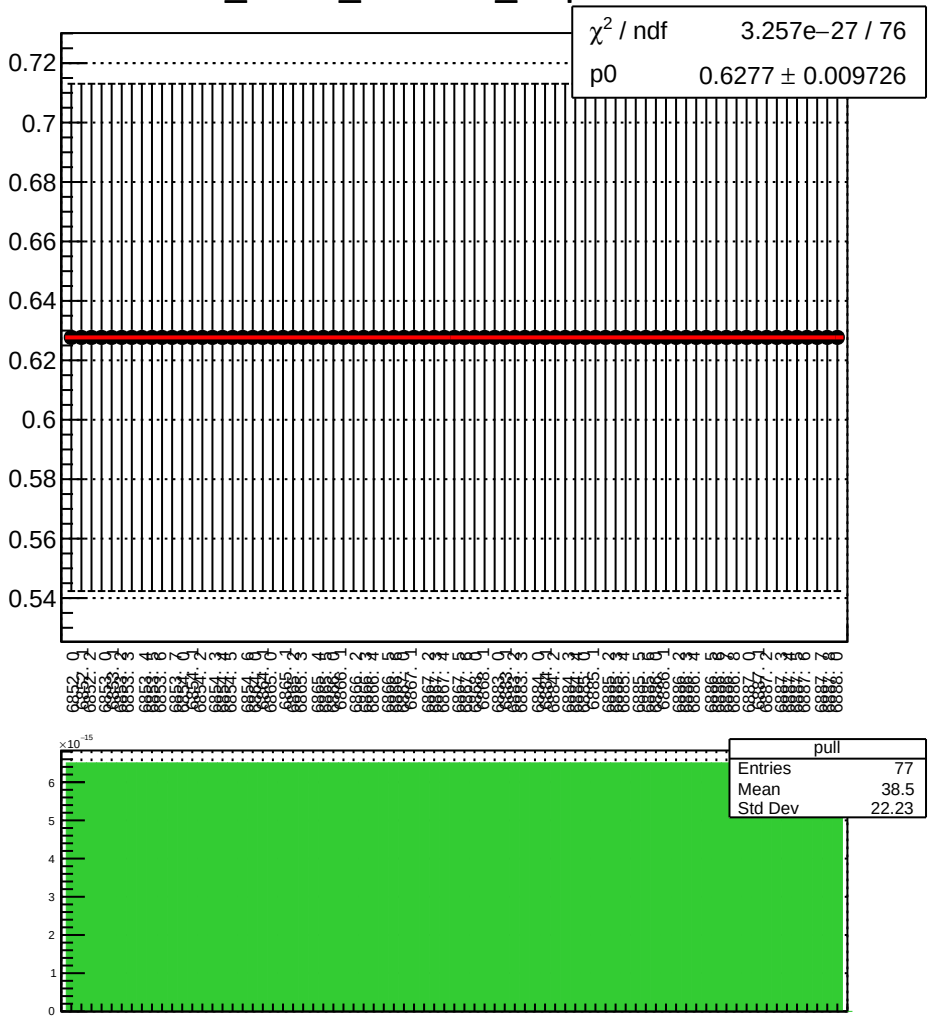

pull1D
Entries 77
Mean −2.596e−15
Std Dev1.123e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

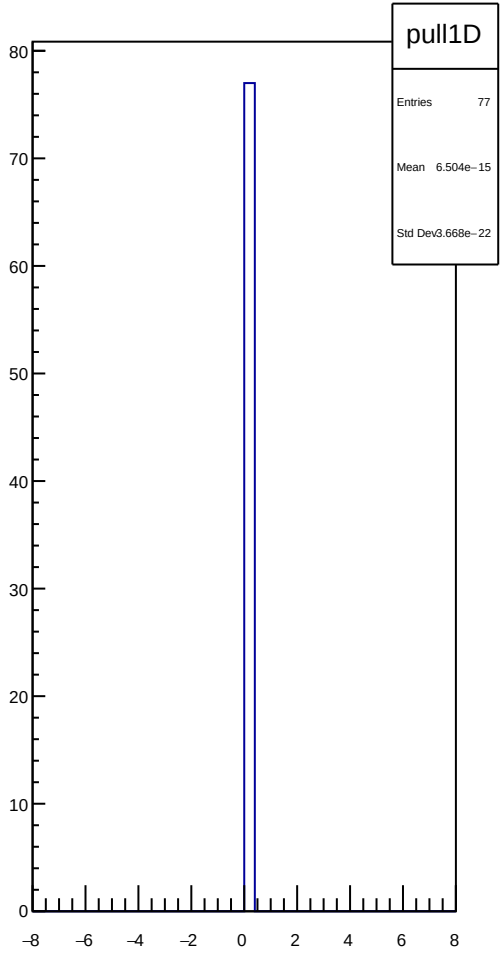
dit_sam2_4eX_slope vs run

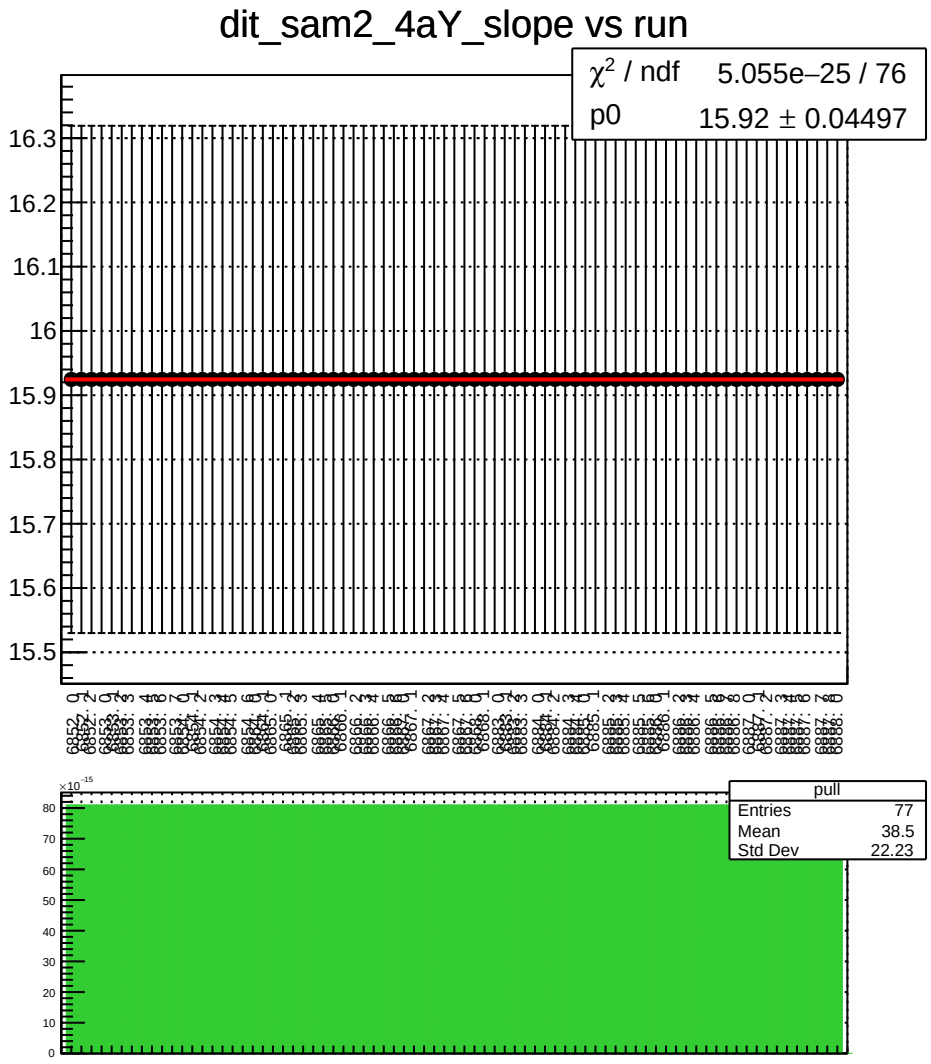


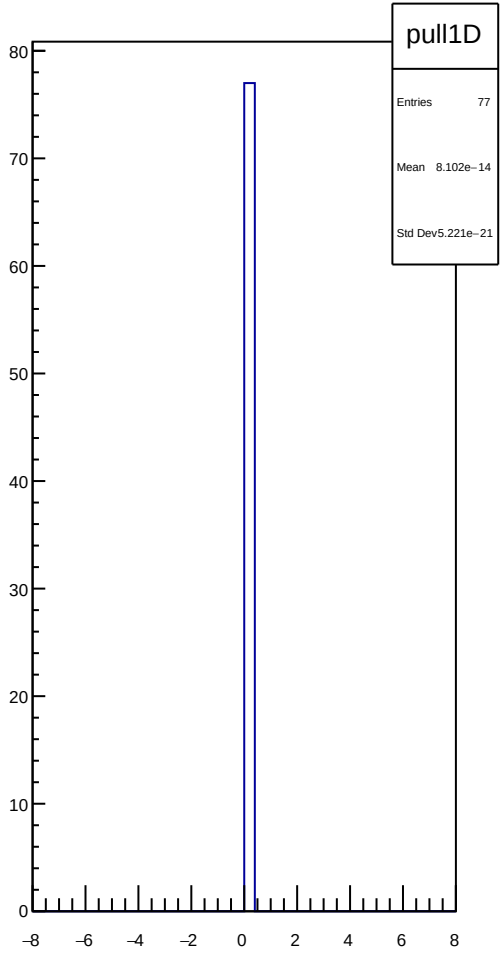


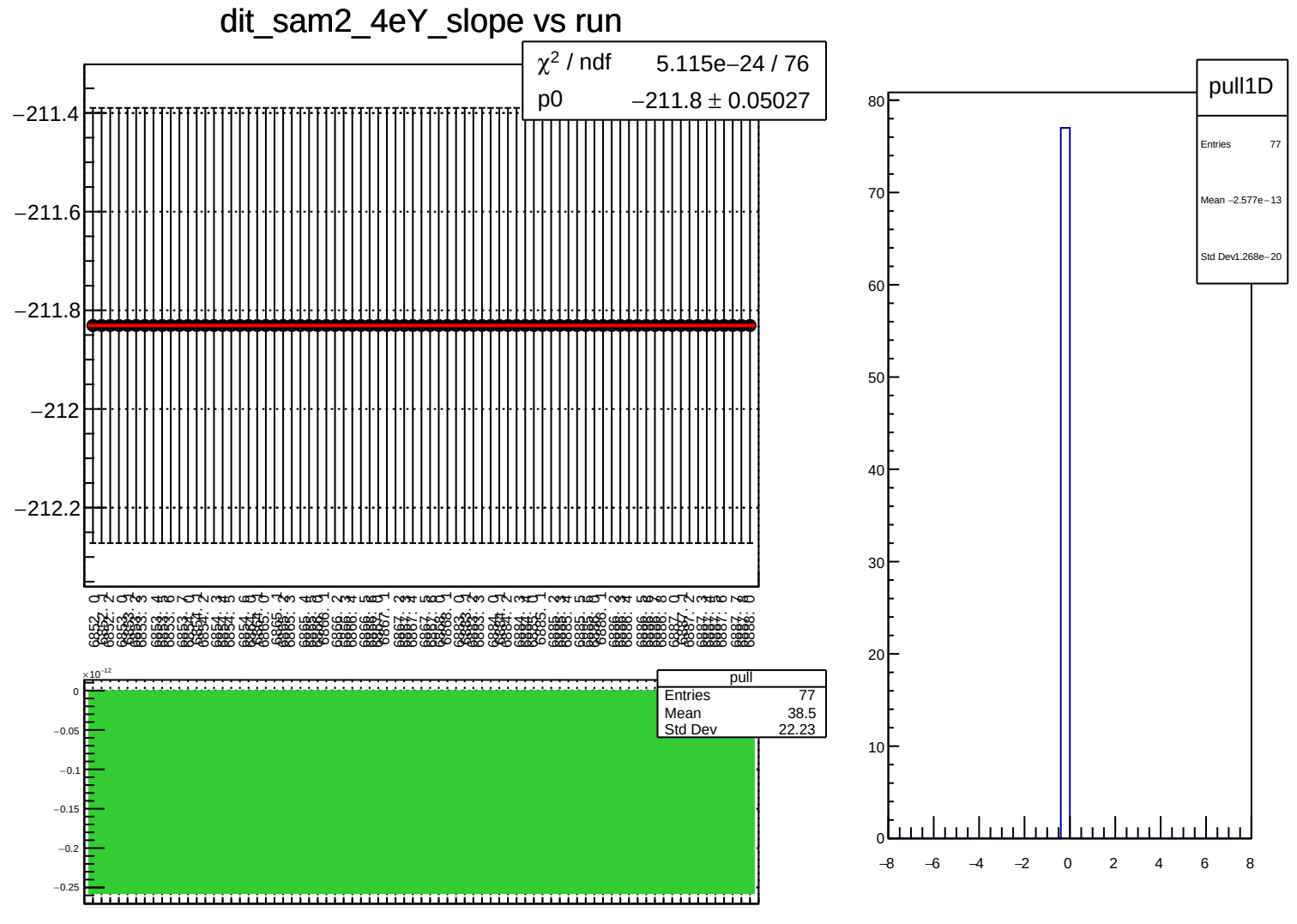
dit_sam2_11X12X_slope vs run

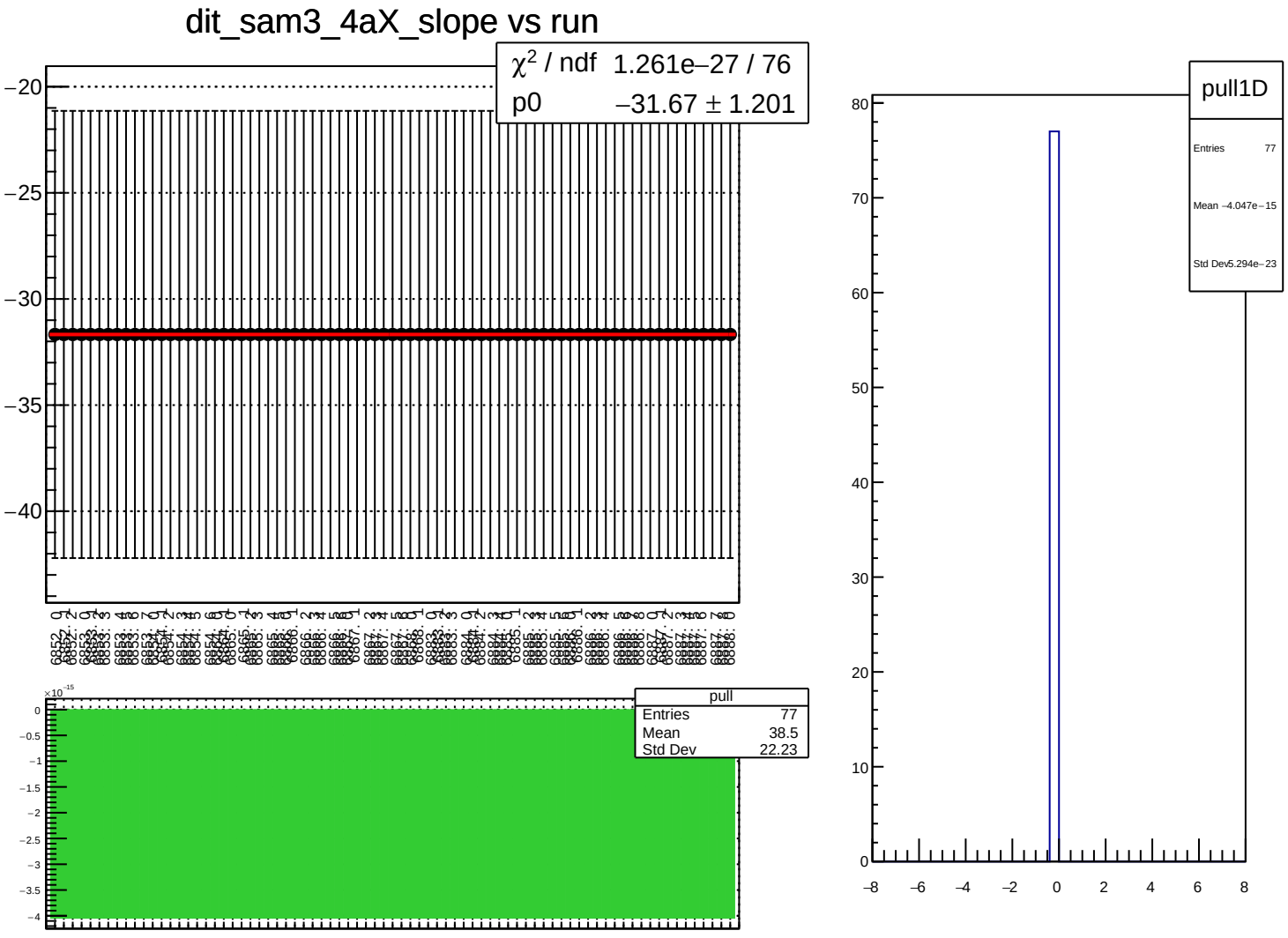


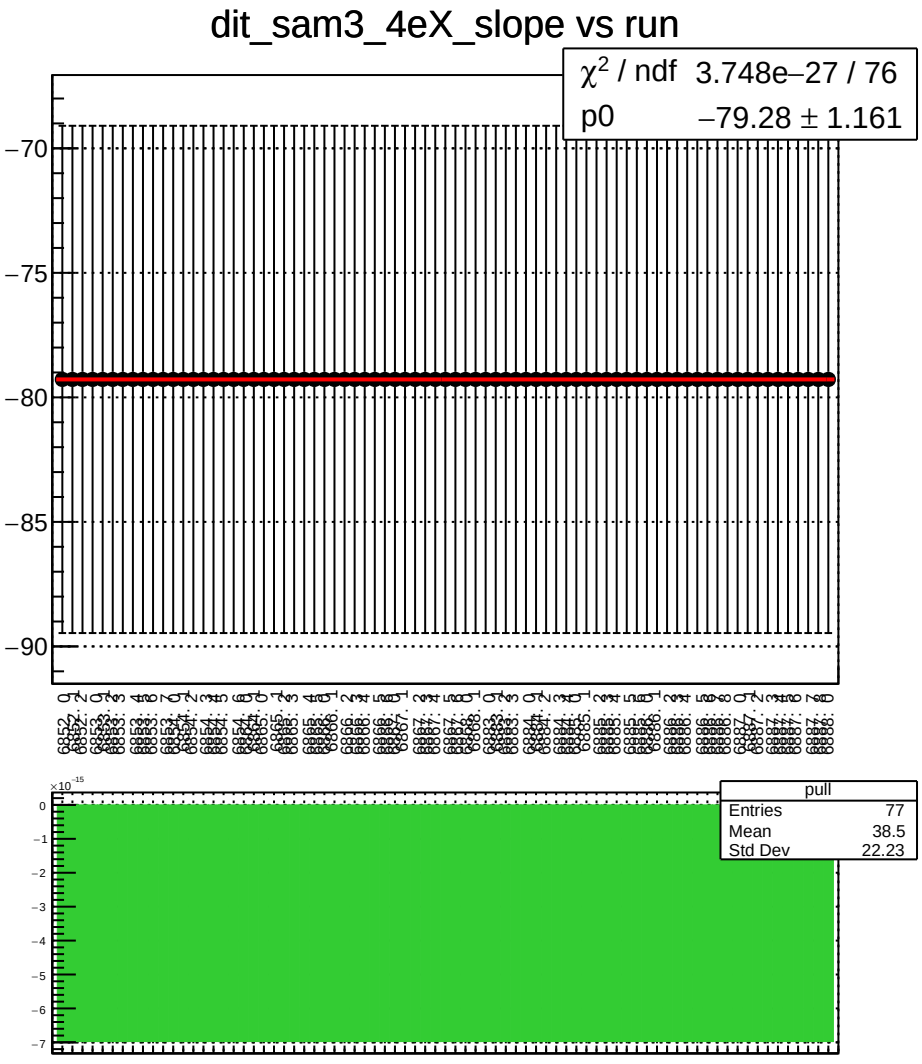


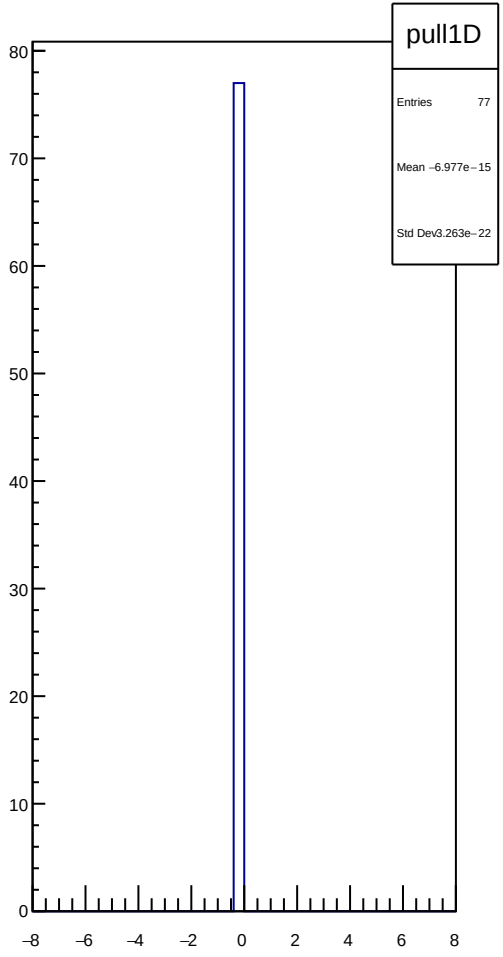

dit_sam2_4aY_slope vs run
χ^2 / ndf 5.055e−25 / 76
p0 15.92 ± 0.04497
16.3
16.2
16.1
16
15.9
15.8
15.7
15.6
15.5
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
80
70
60
50
40
30
20
10
0

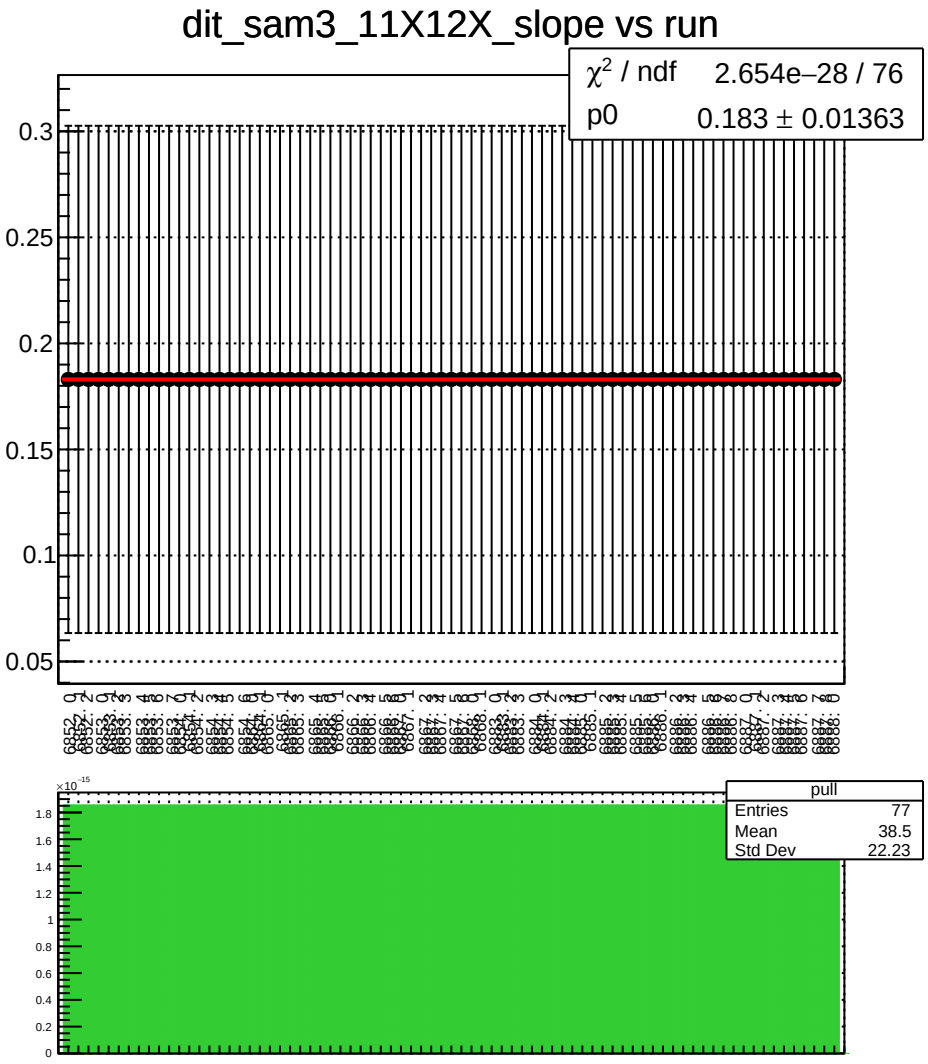

pull1D
Entries 77
Mean 8.102e−14
Std Dev 5.221e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

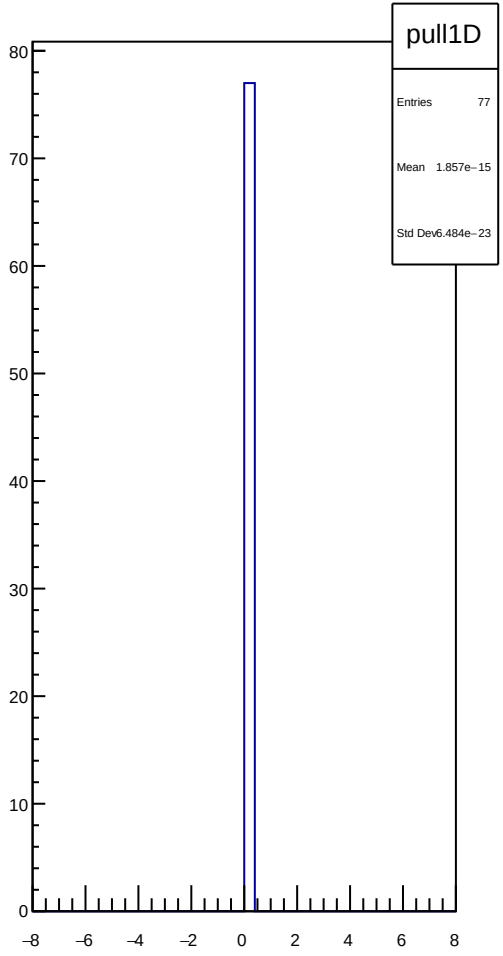

dit_sam2_4eY_slope vs run
χ^2 / ndf 5.115e−24 / 76
p0 −211.8 ± 0.05027
−211.4
−211.6
−211.8
−212
−212.2
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 77
Mean −2.577e−13
Std Dev 1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

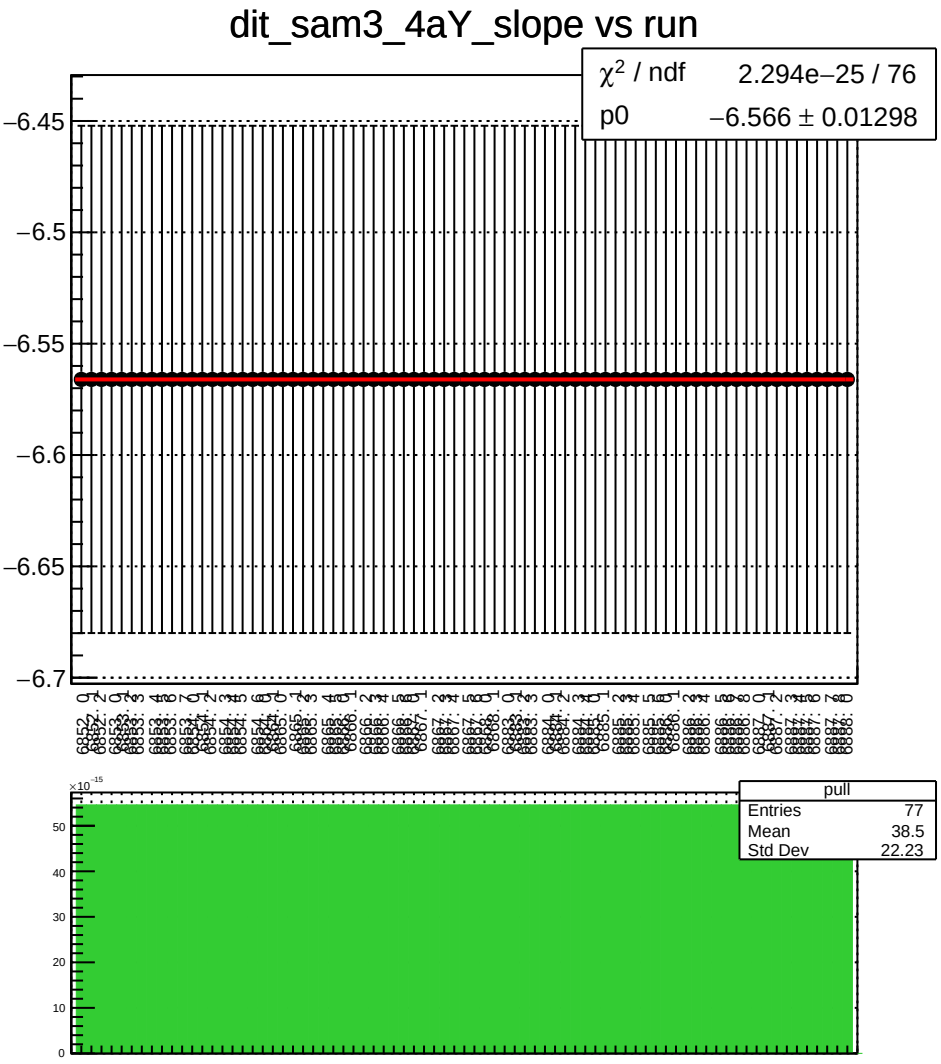

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.261e−27 / 76
p0 −31.67 ± 1.201
−20
−25
−30
−35
−40
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 77
Mean −4.047e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

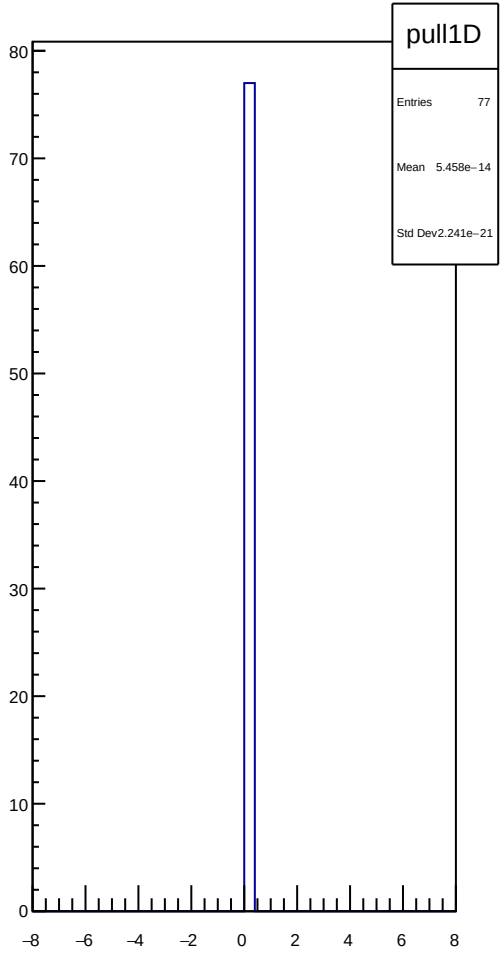

dit_sam3_4eX_slope vs run
χ^2 / ndf 3.748e−27 / 76
p0 −79.28 ± 1.161
−70
−75
−80
−85
−90
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−1
−2
−3
−4
−5
−6
−7

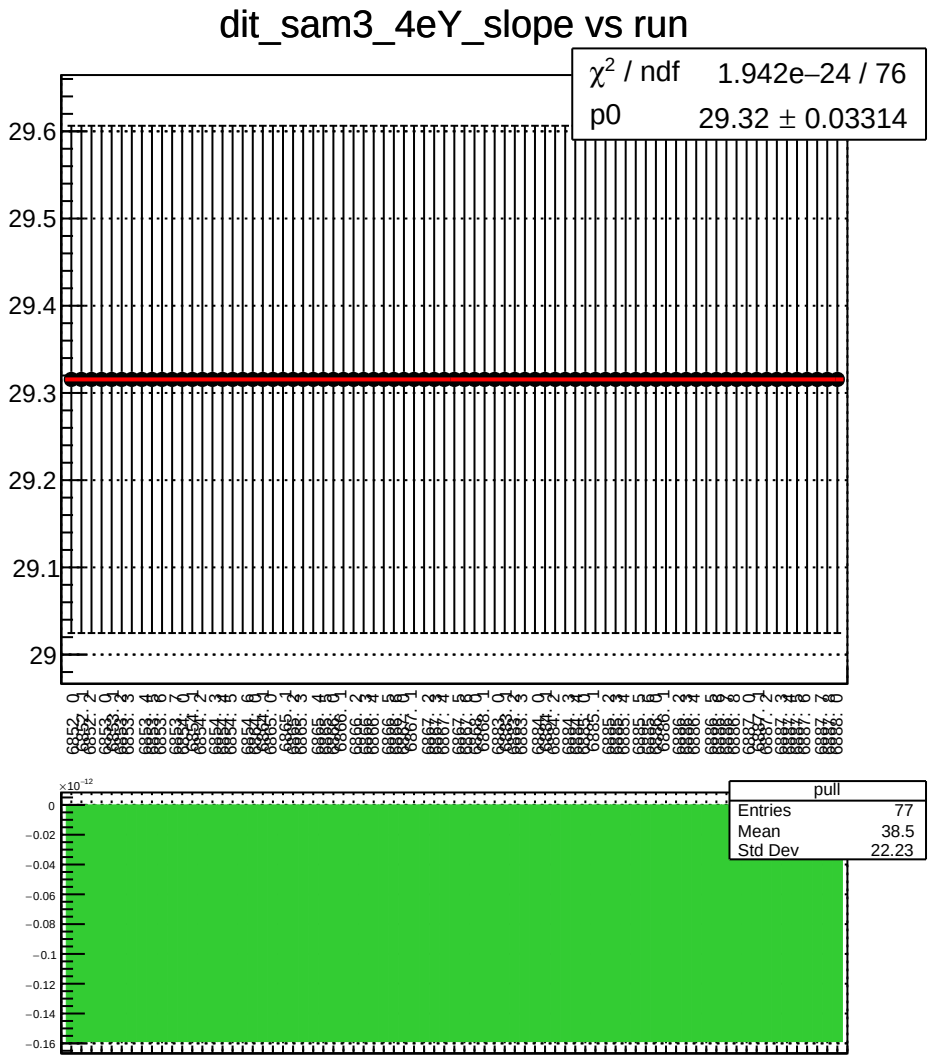

pull1D
Entries 77
Mean −6.977e−15
Std Dev 3.263e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

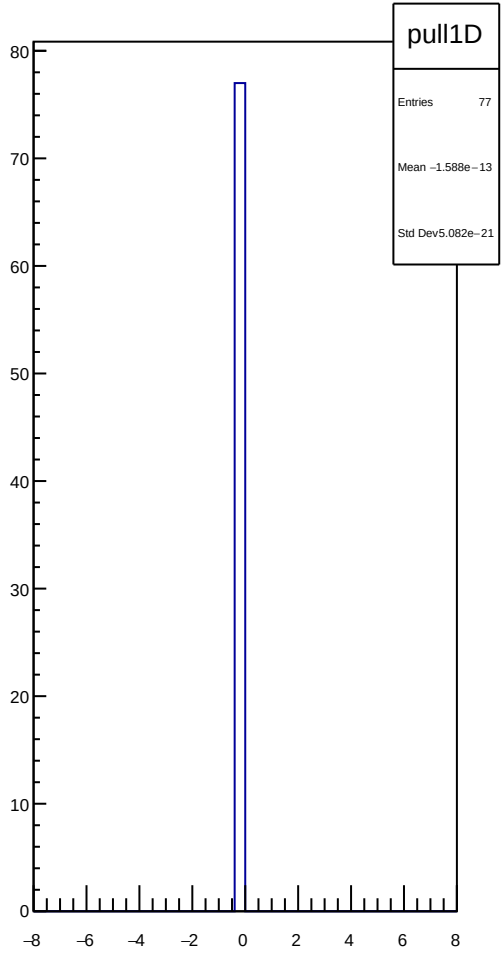

dit_sam3_11X12X_slope vs run
χ^2 / ndf 2.654e−28 / 76
p0 0.183 ± 0.01363
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

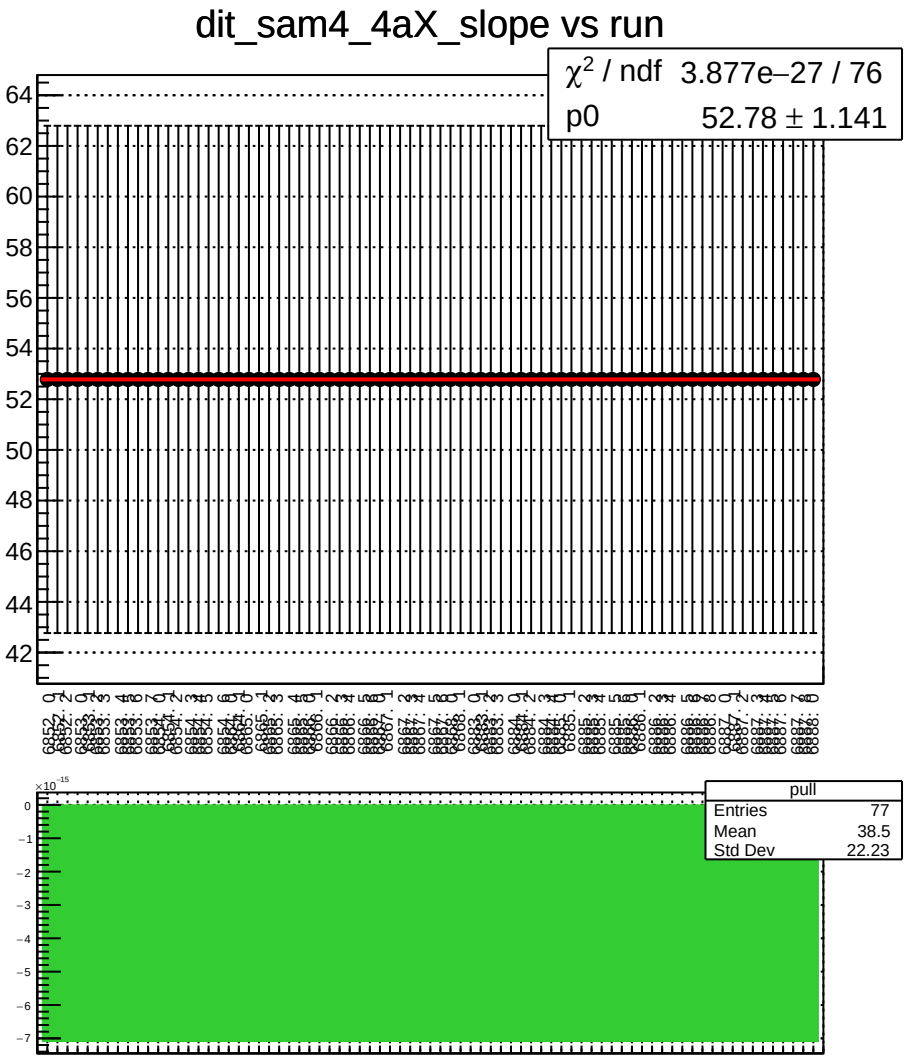

pull1D
Entries 77
Mean 1.857e−15
Std Dev 6.484e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

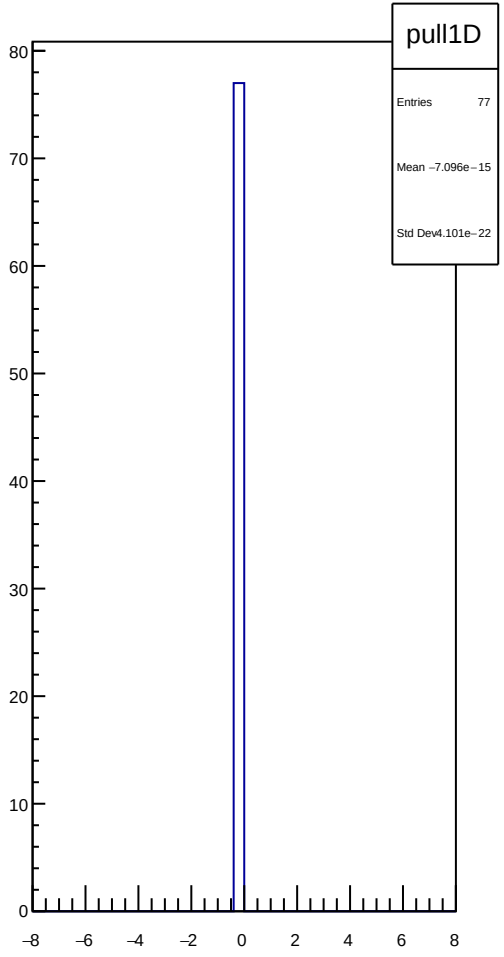

dit_sam3_4aY_slope vs run
χ^2 / ndf 2.294e−25 / 76
p0 −6.566 ± 0.01298
−6.45
−6.5
−6.55
−6.6
−6.65
−6.7
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
50
40
30
20
10
0

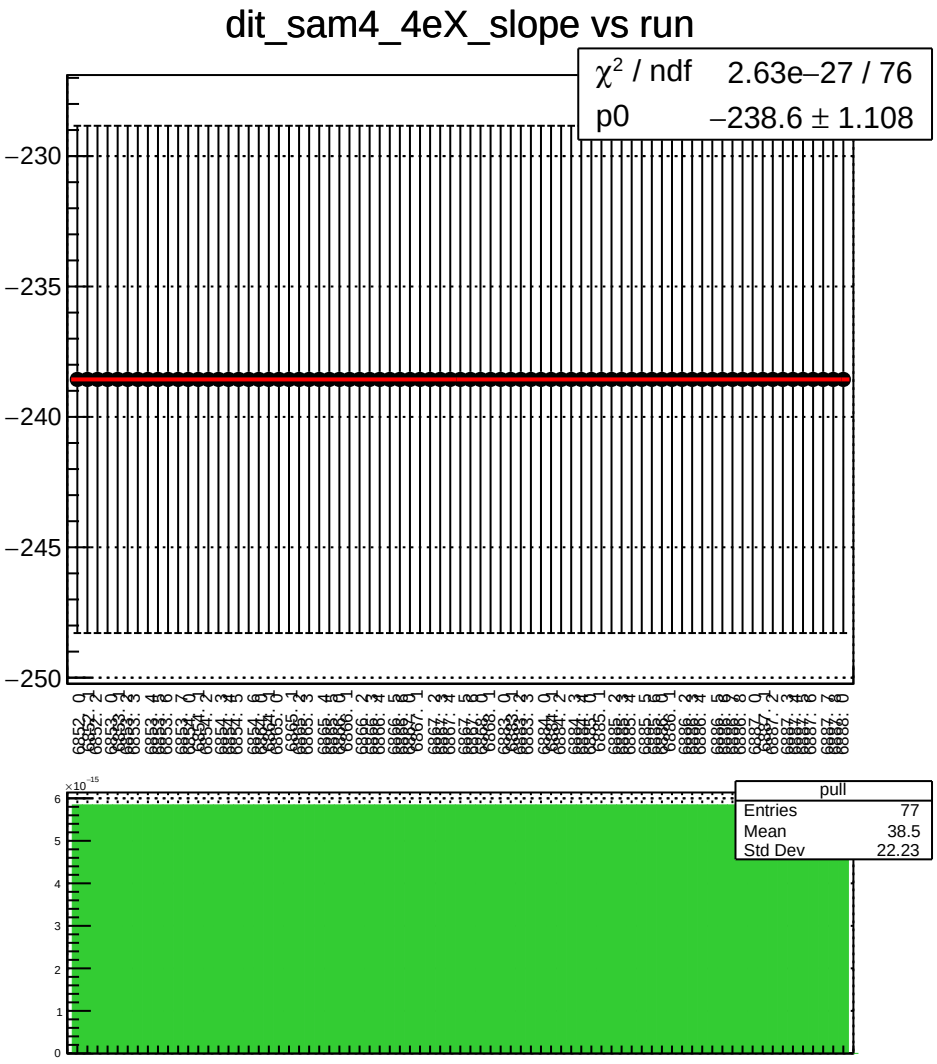

pull1D
Entries 77
Mean 5.458e−14
Std Dev 2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

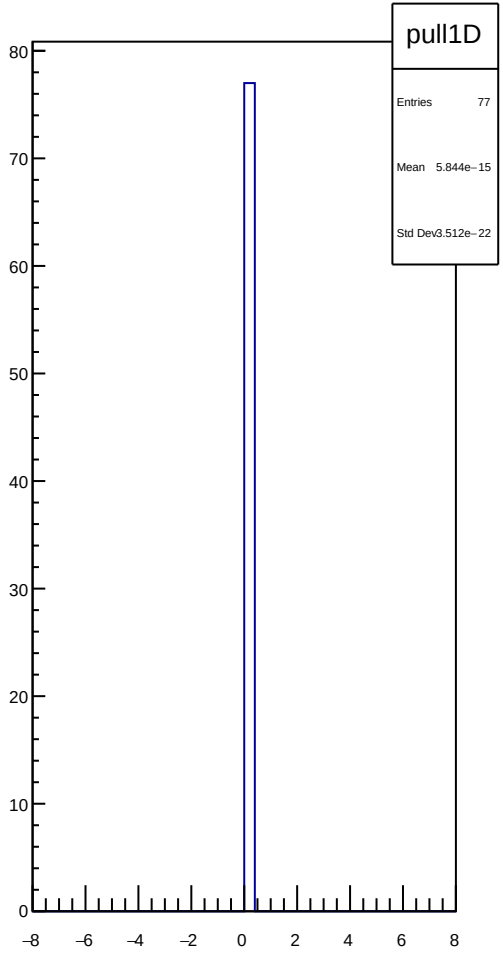

dit_sam3_4eY_slope vs run
χ^2 / ndf 1.942e−24 / 76
p0 29.32 ± 0.03314
29.6
29.5
29.4
29.3
29.2
29.1
29
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

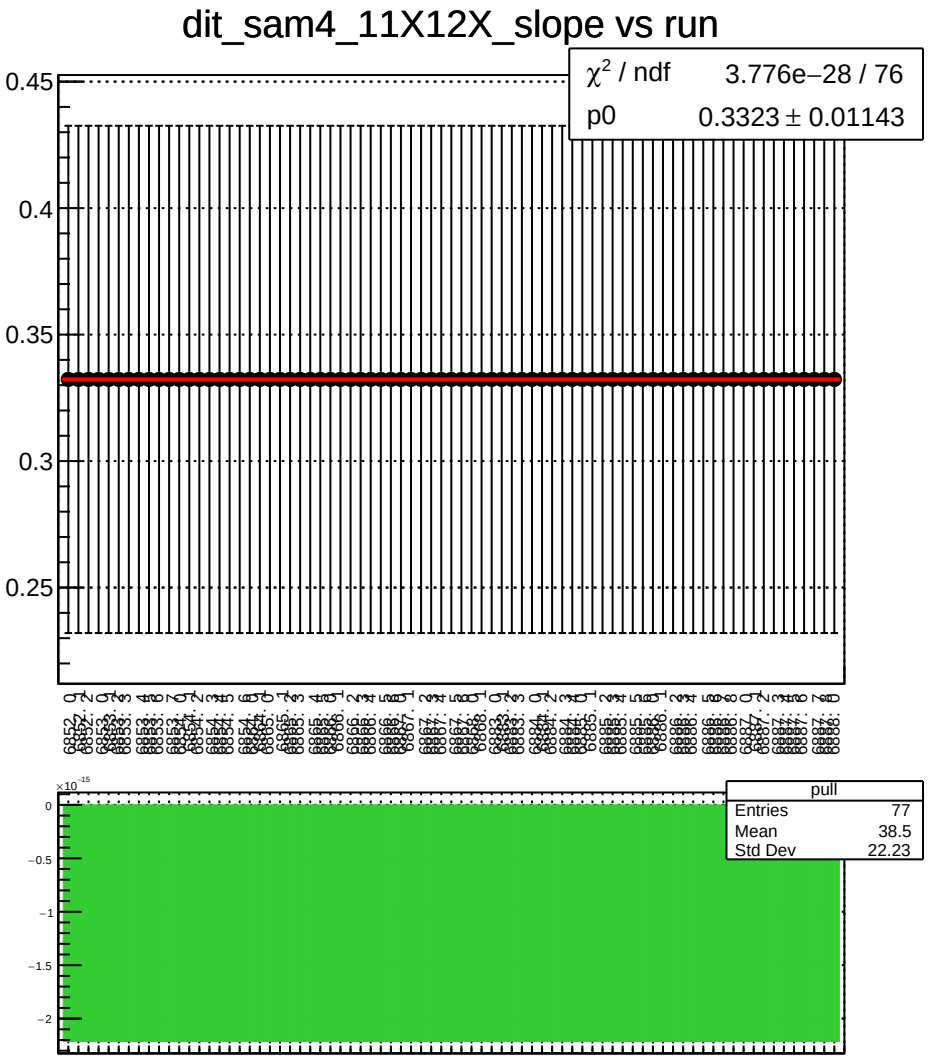

pull1D
Entries 77
Mean −1.588e−13
Std Dev5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

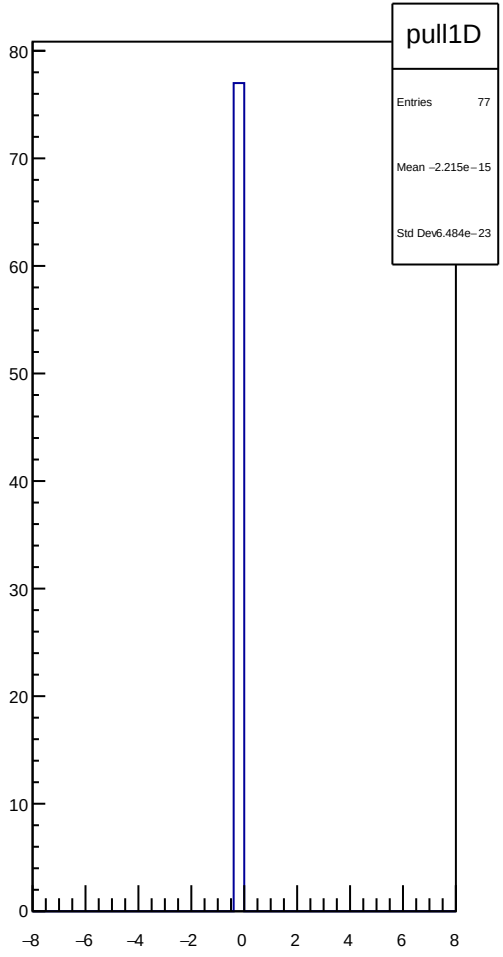

dit_sam4_4aX_slope vs run
χ^2 / ndf 3.877e−27 / 76
p0 52.78 ± 1.141
pull
Entries 77
Mean 38.5
Std Dev 22.23

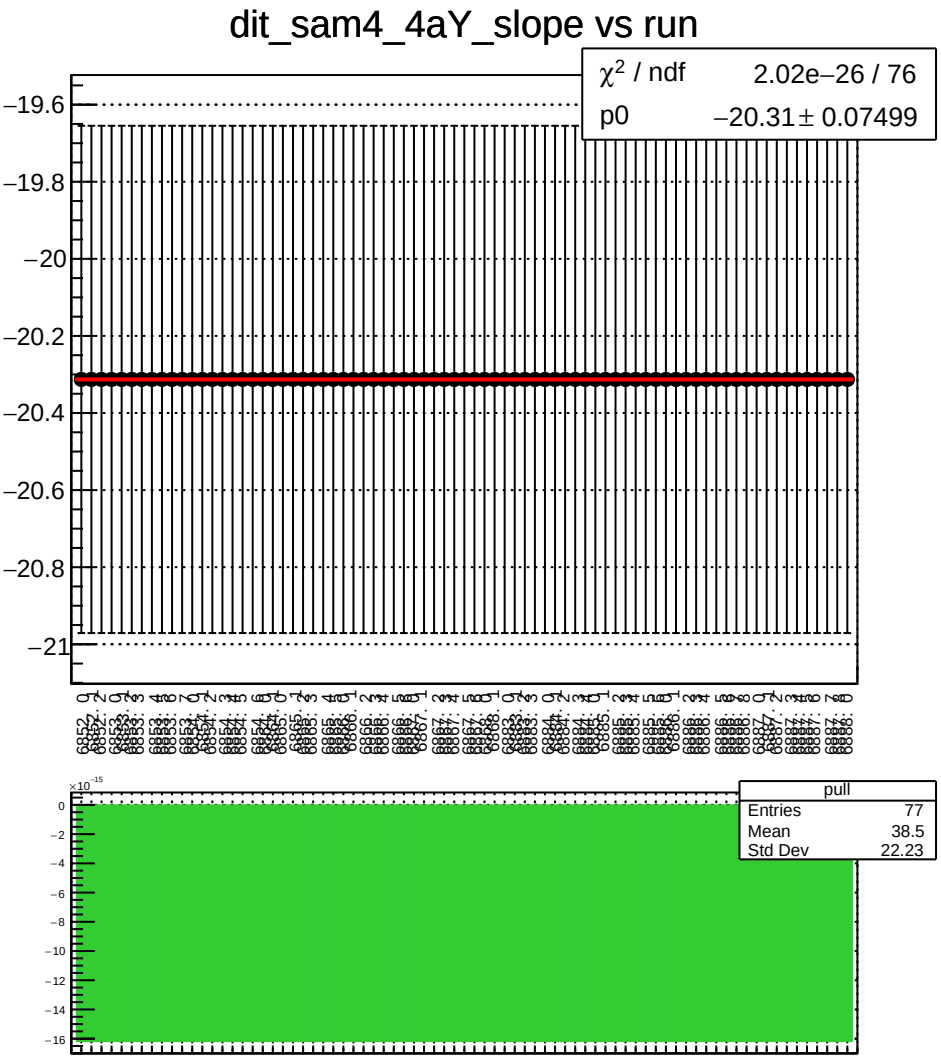

pull1D
Entries 77
Mean −7.096e−15
Std Dev4.101e−22

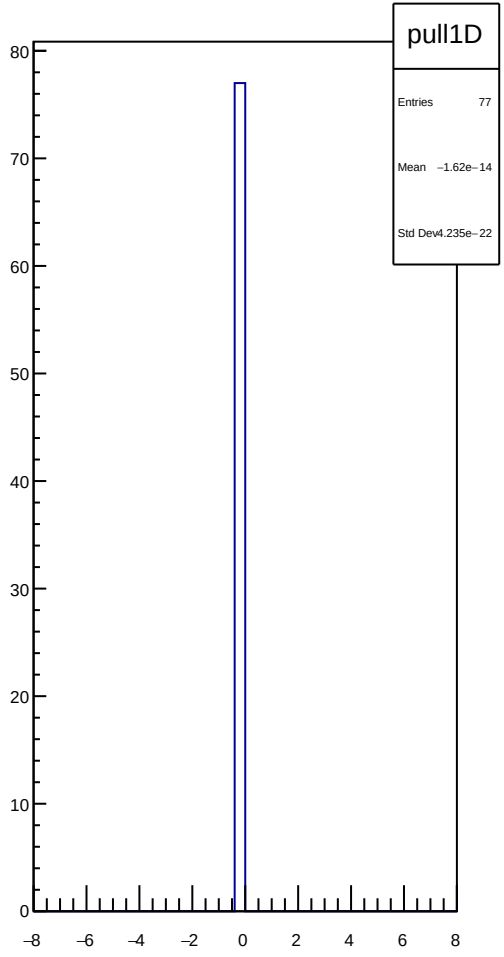

dit_sam4_4eX_slope vs run
χ^2 / ndf 2.63e−27 / 76
p0 −238.6 ± 1.108
−230
−235
−240
−245
−250
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
6
5
4
3
2
1
0

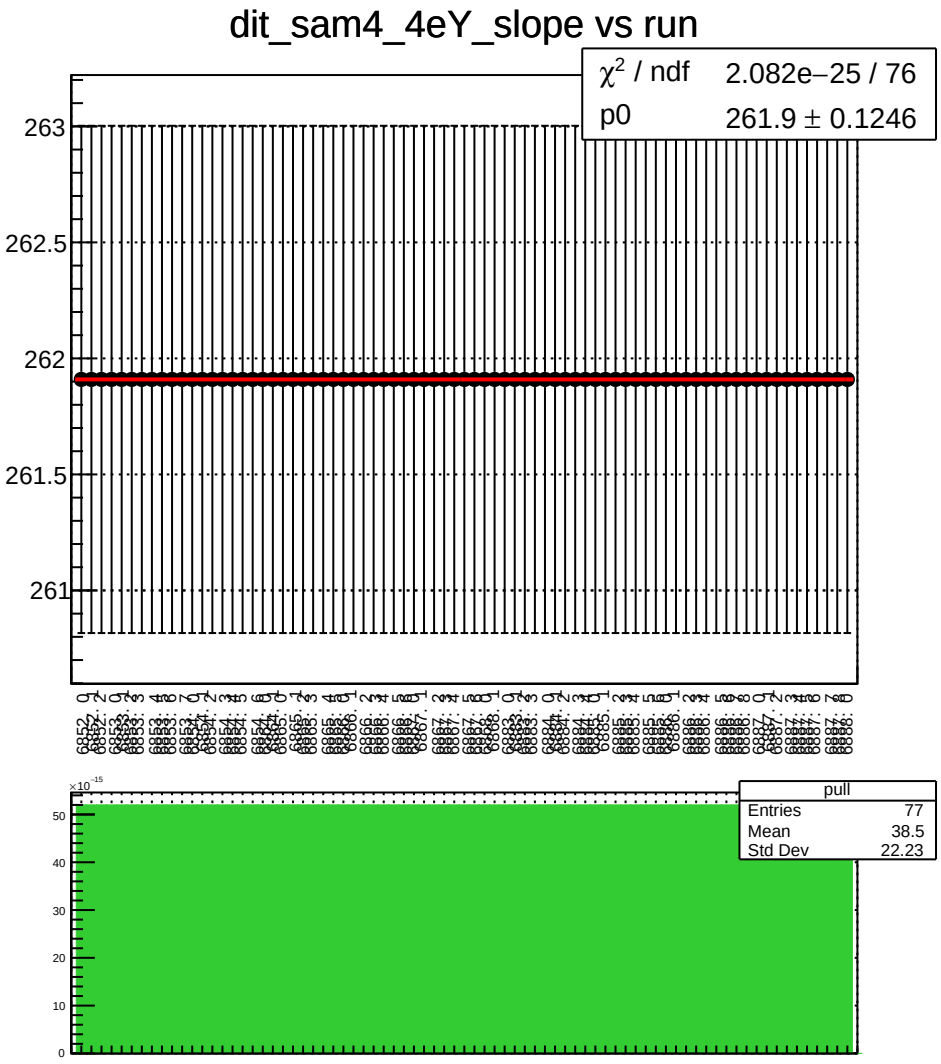

pull1D
Entries 77
Mean 5.844e−15
Std Dev 3.512e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

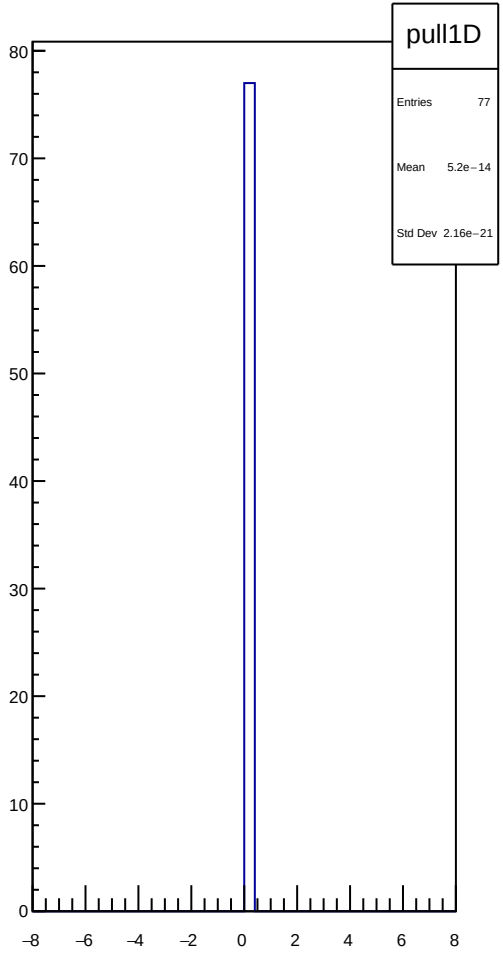

dit_sam4_11X12X_slope vs run
χ^2 / ndf 3.776e−28 / 76
p0 0.3323 ± 0.01143
0.45
0.4
0.35
0.3
0.25
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−0.5
−1
−1.5
−2

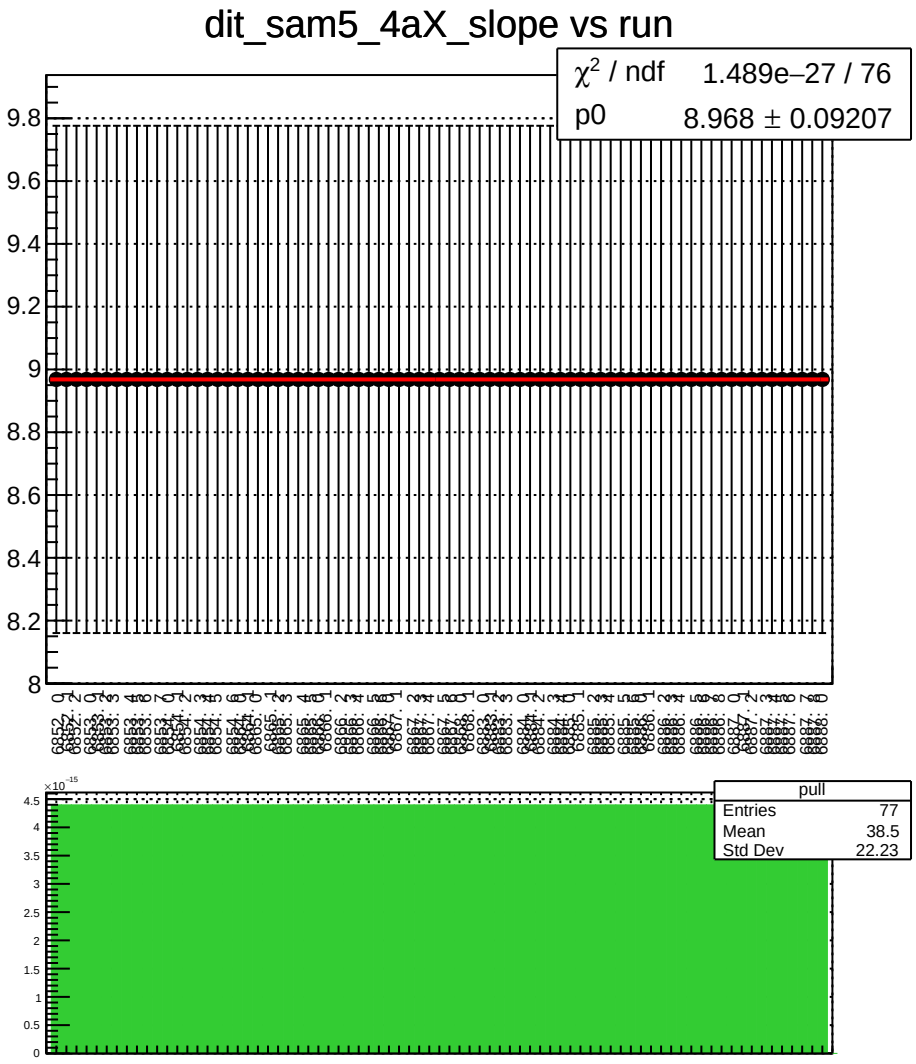

pull1D
Entries 77
Mean −2.215e−15
Std Dev 6.484e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

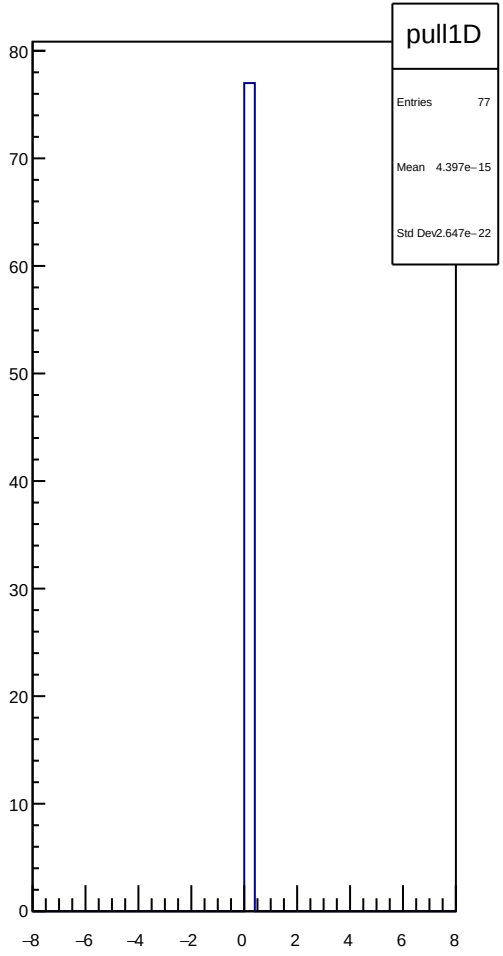

dit_sam4_4aY_slope vs run
χ^2 / ndf 2.02e−26 / 76
p0 −20.31 ± 0.07499
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
−21
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

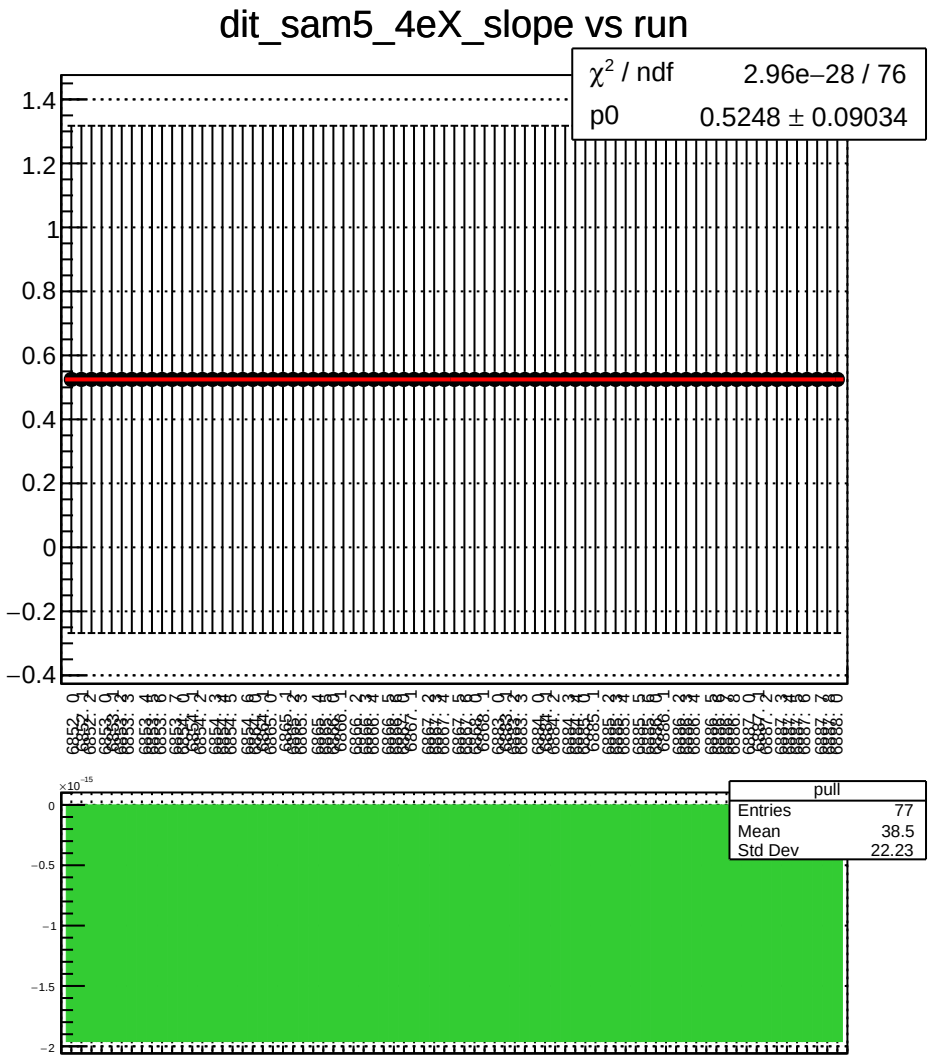

pull1D
Entries 77
Mean −1.62e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

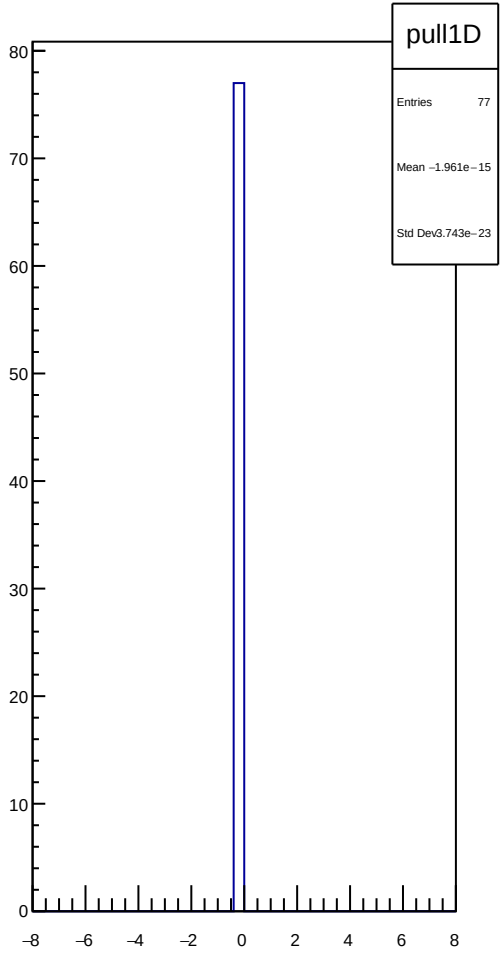

dit_sam4_4eY_slope vs run
χ^2 / ndf 2.082e−25 / 76
p0 261.9 ± 0.1246
263
262.5
262
261.5
261
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
50
40
30
20
10
0


pull1D
Entries 77
Mean 5.2e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

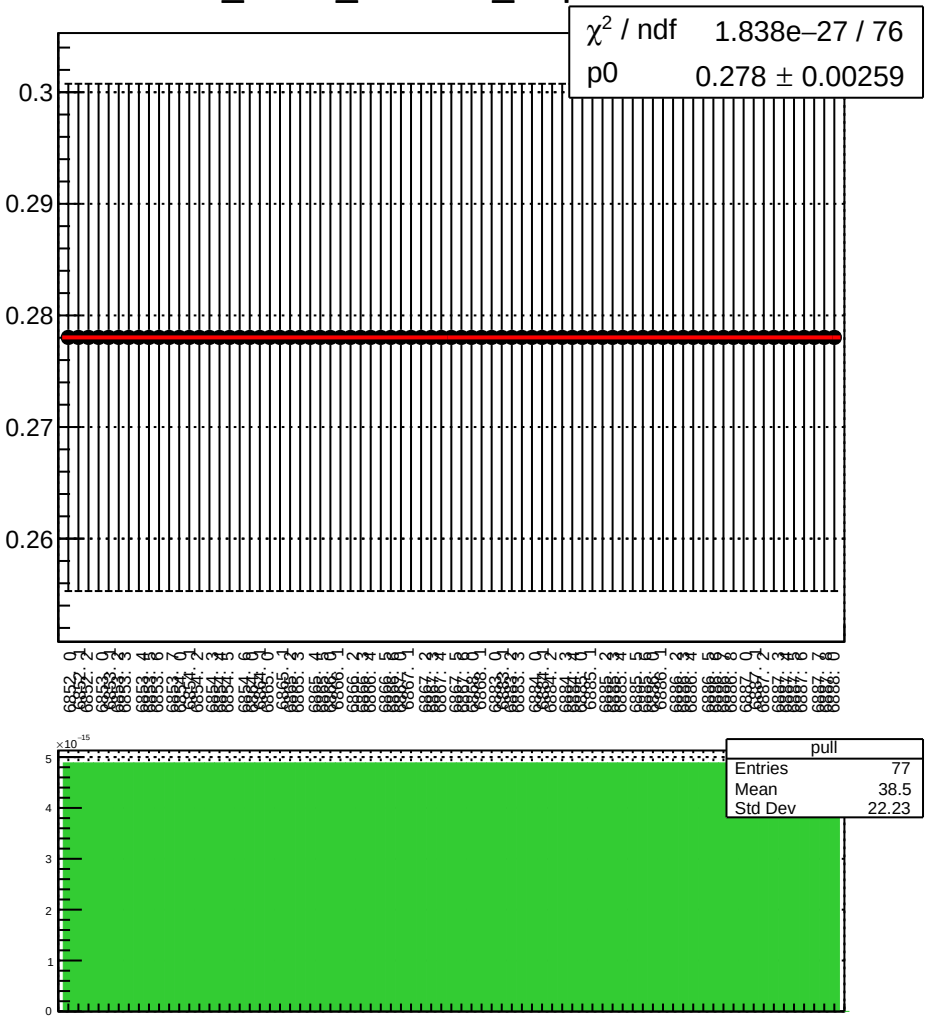

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.489e−27 / 76
p0 8.968 ± 0.09207
pull
Entries 77
Mean 38.5
Std Dev 22.23

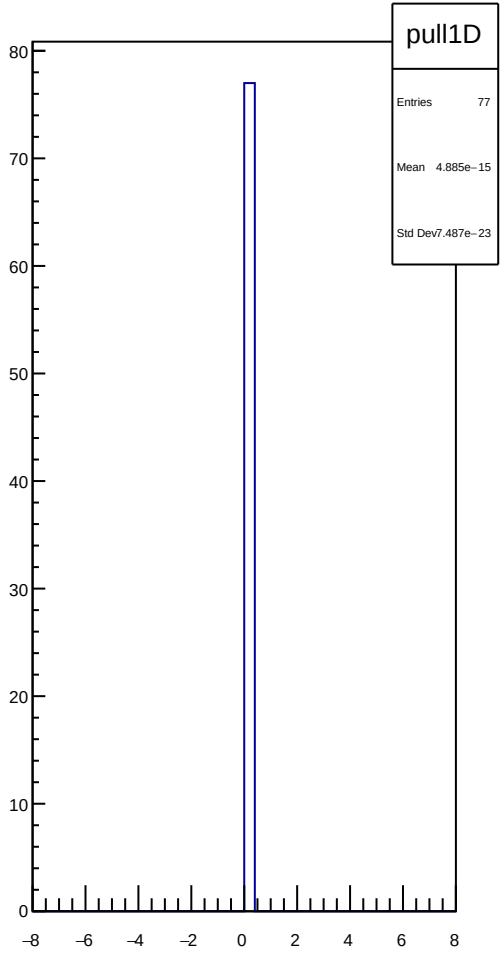

pull1D
Entries 77
Mean 4.397e−15
Std Dev 2.647e−22

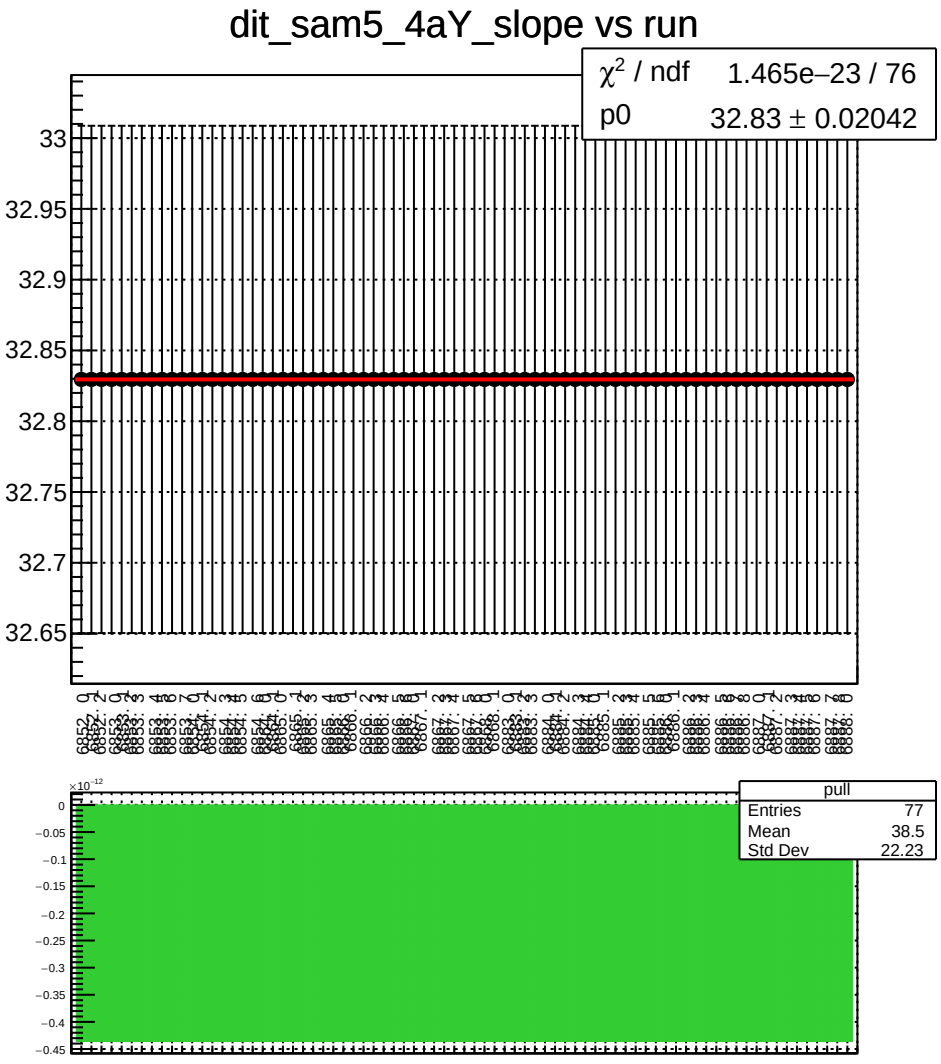

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.96e−28 / 76
p0 0.5248 ± 0.09034
pull
Entries 77
Mean 38.5
Std Dev 22.23

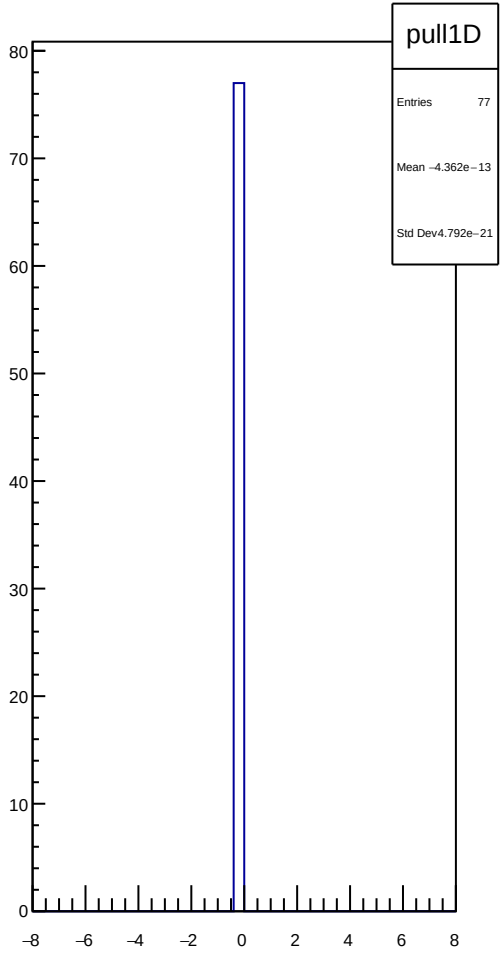

pull1D
Entries 77
Mean −1.961e−15
Std Dev3.743e−23

dit_sam5_11X12X_slope vs run

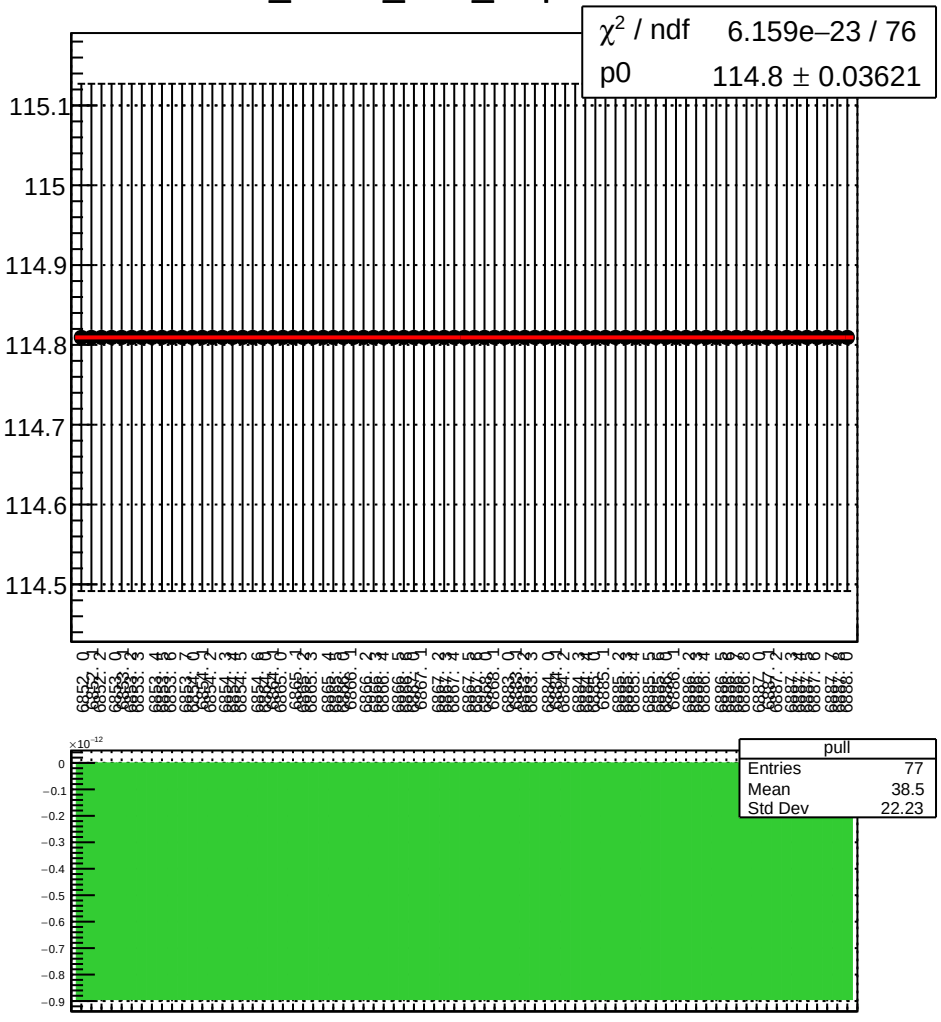


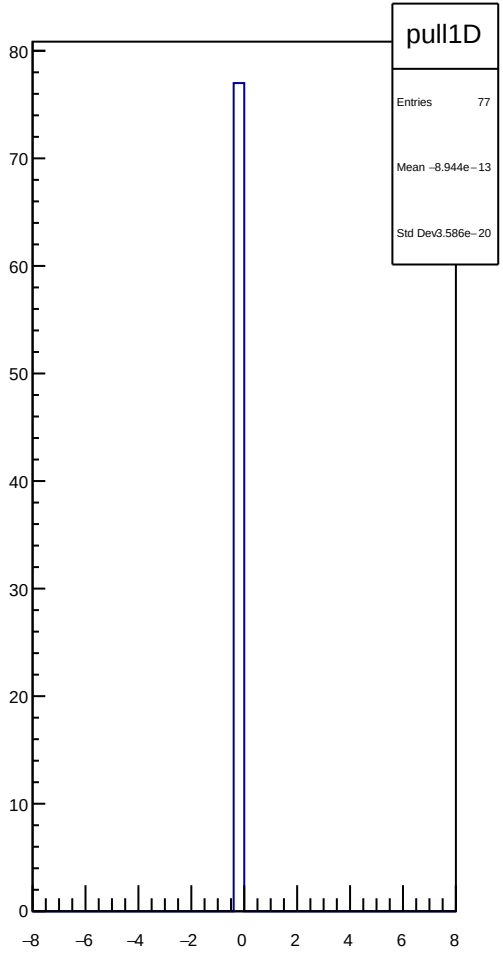


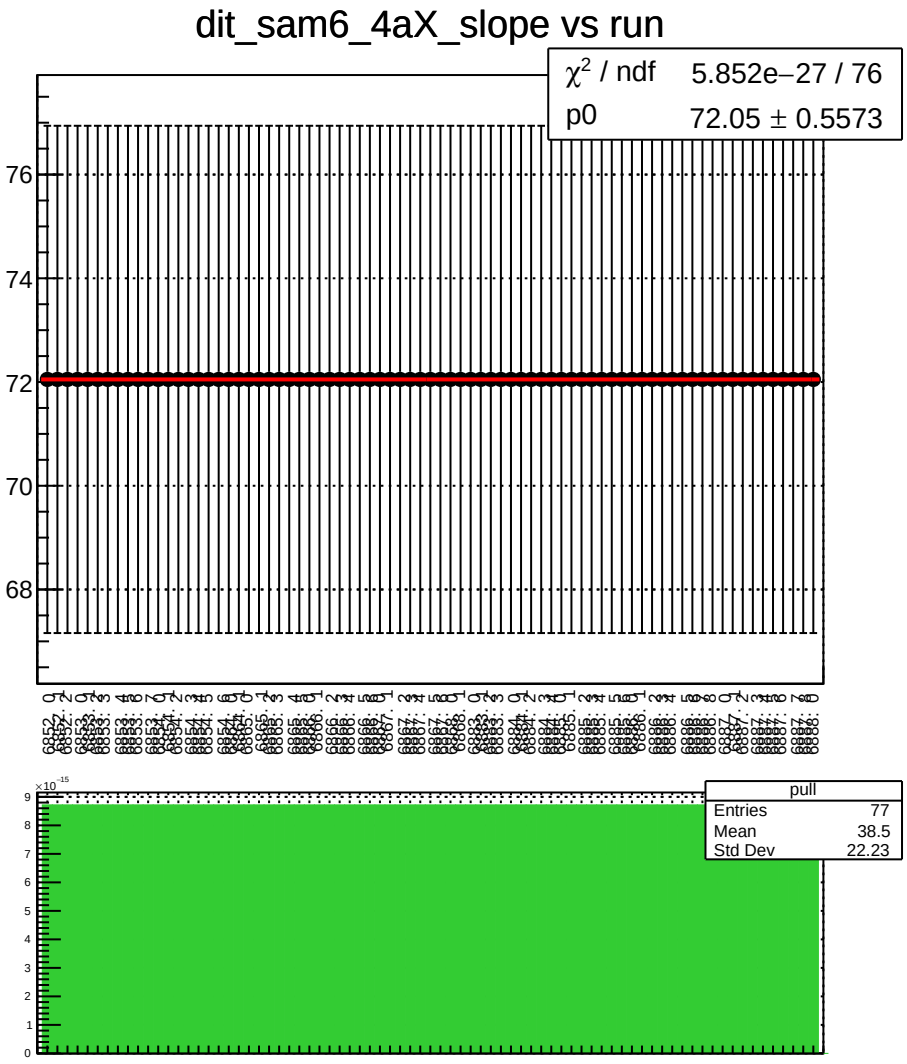

dit_sam5_4aY_slope vs run
χ^2 / ndf 1.465e−23 / 76
p0 32.83 ± 0.02042
33
32.95
32.9
32.85
32.8
32.75
32.7
32.65
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45

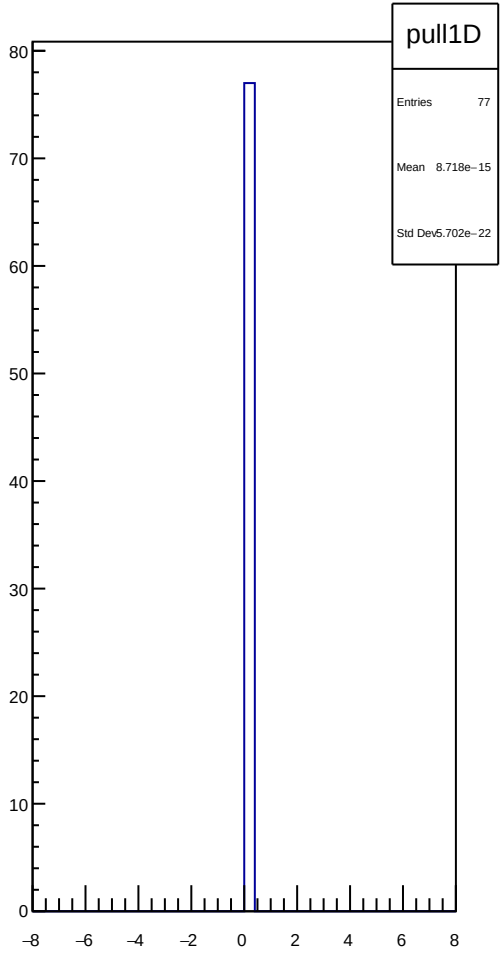

pull1D
Entries 77
Mean −4.362e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

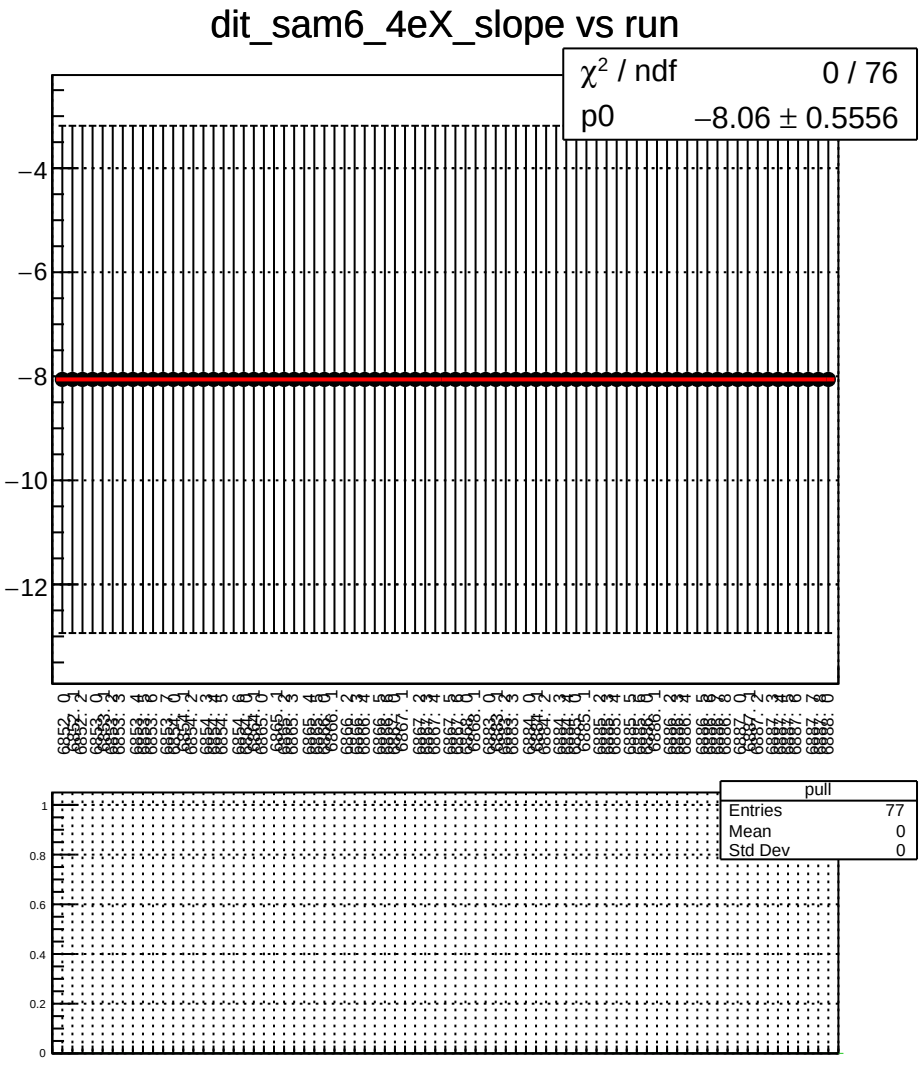
dit_sam5_4eY_slope vs run

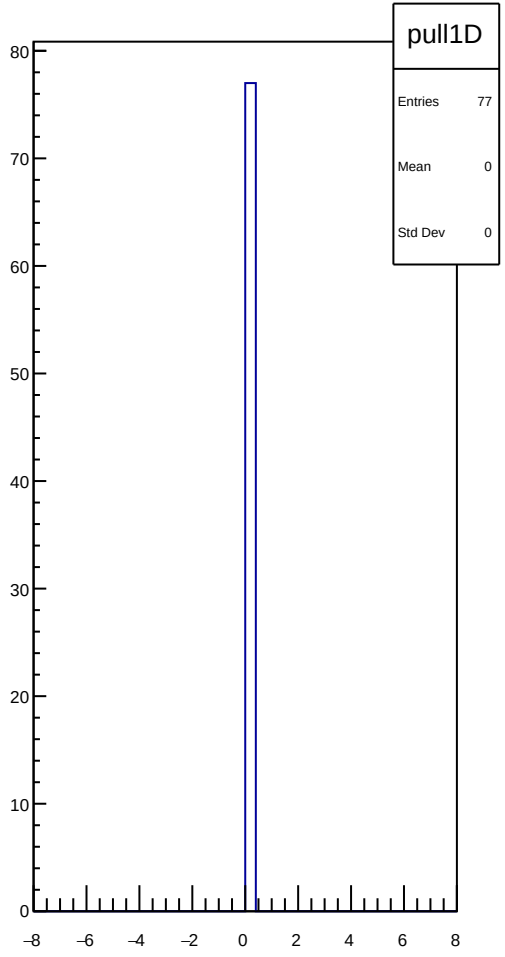




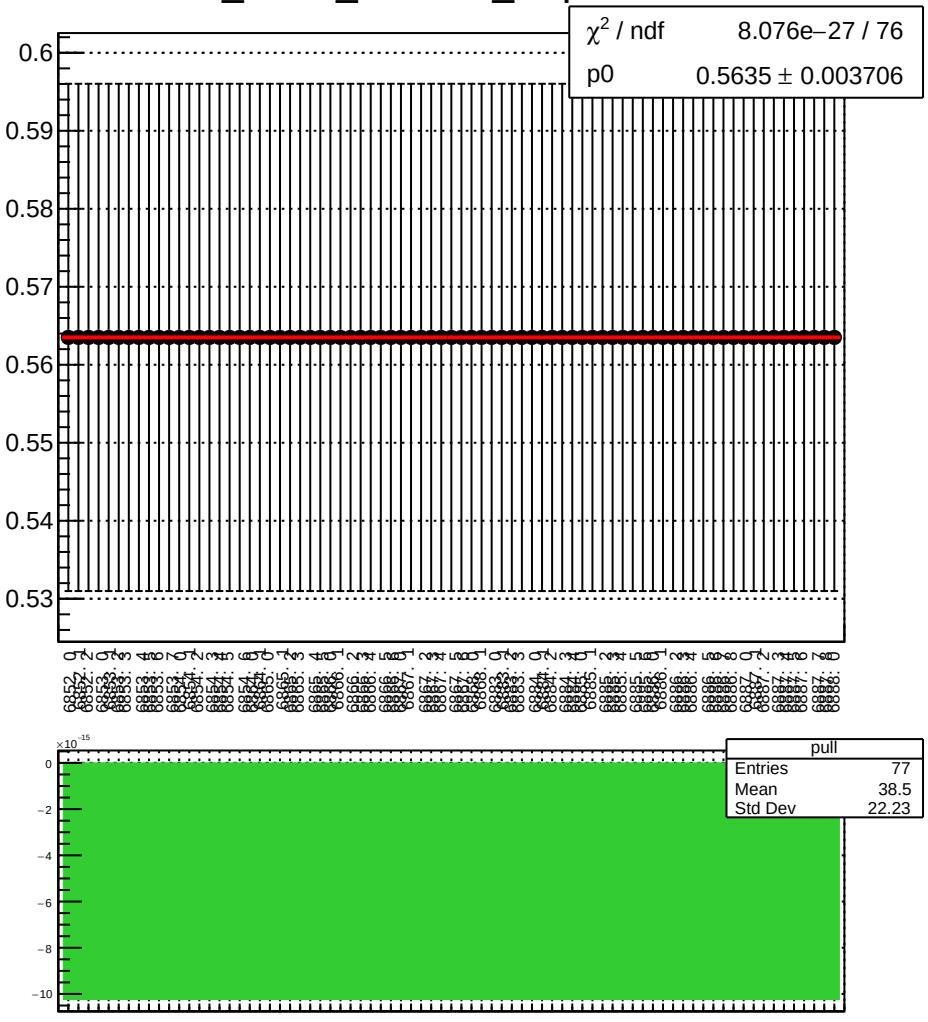

dit_sam6_4aX_slope vs run
χ^2 / ndf 5.852e−27 / 76
p0 72.05 ± 0.5573
76
74
72
70
68
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
9
8
7
6
5
4
3
2
1
0

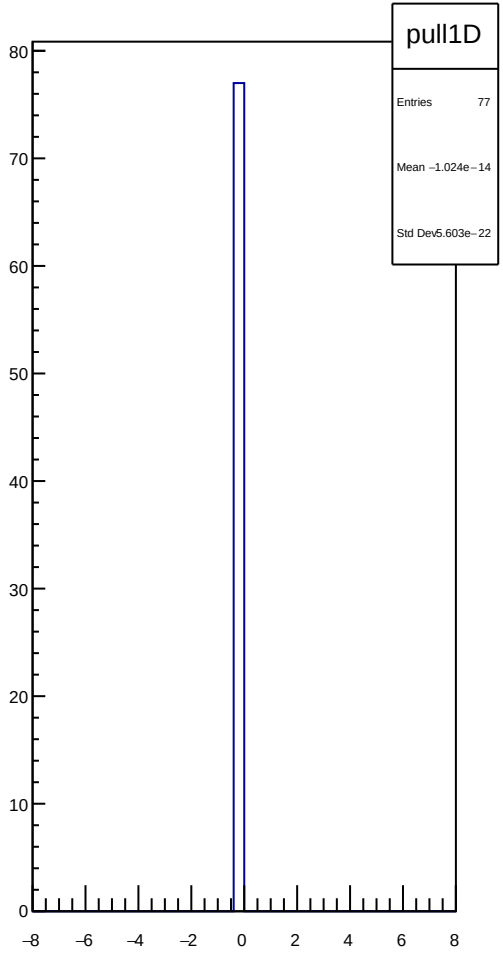

pull1D
Entries 77
Mean 8.718e−15
Std Dev 5.702e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

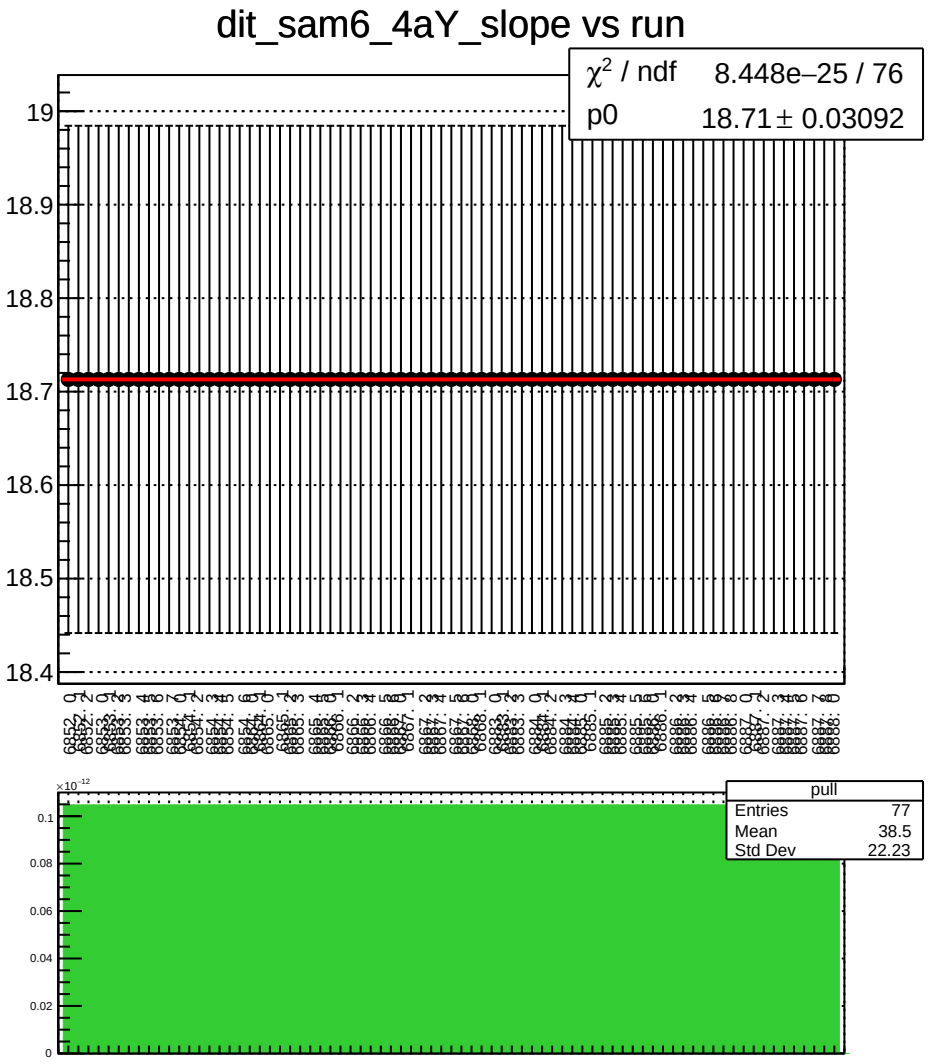

dit_sam6_4eX_slope vs run
χ^2 / ndf 0 / 76
p0 −8.06 ± 0.5556
−4
−6
−8
−10
−12
pull
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

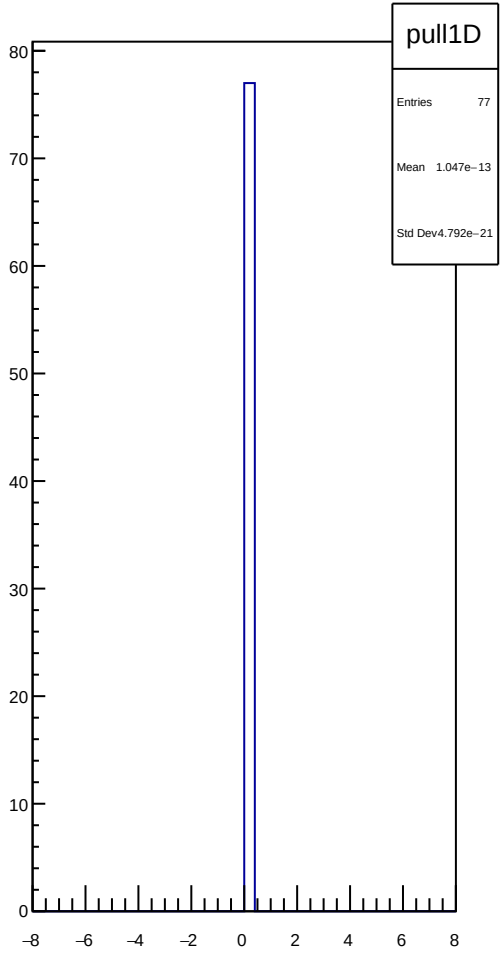

pull1D
Entries 77
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

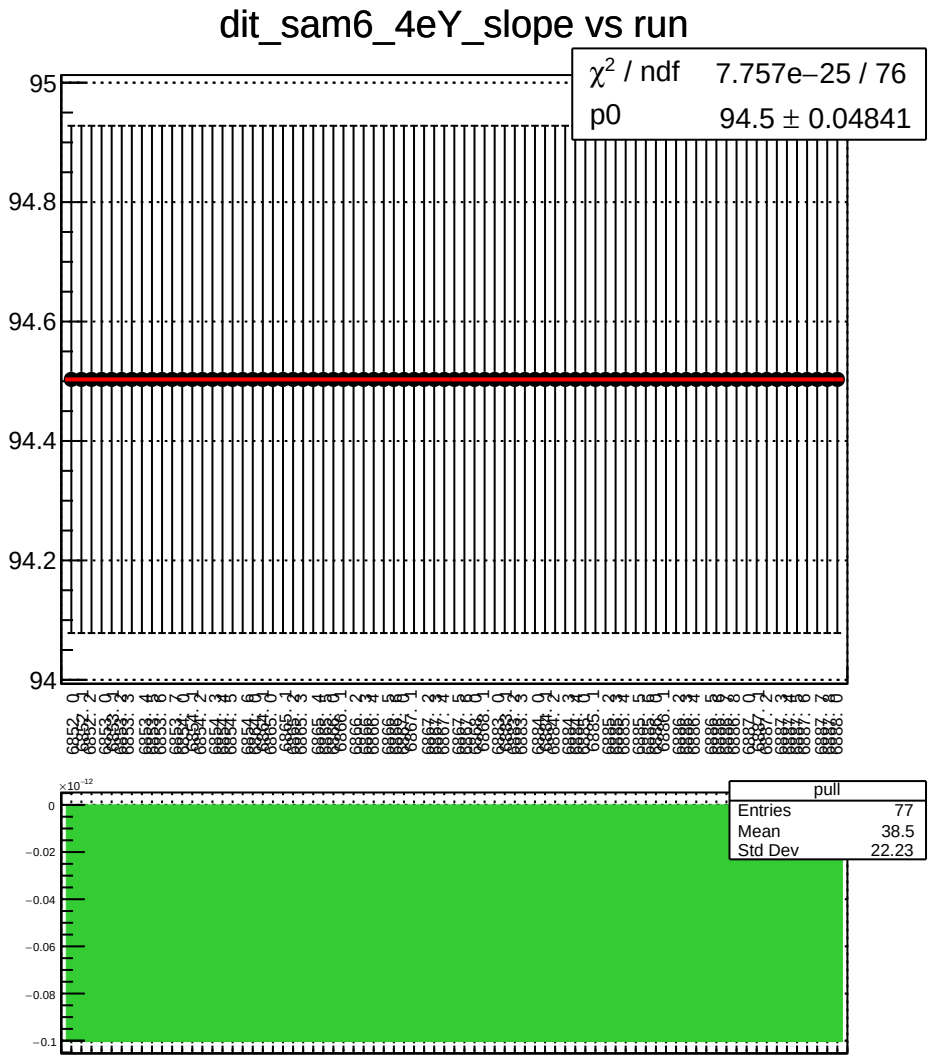
dit_sam6_11X12X_slope vs run

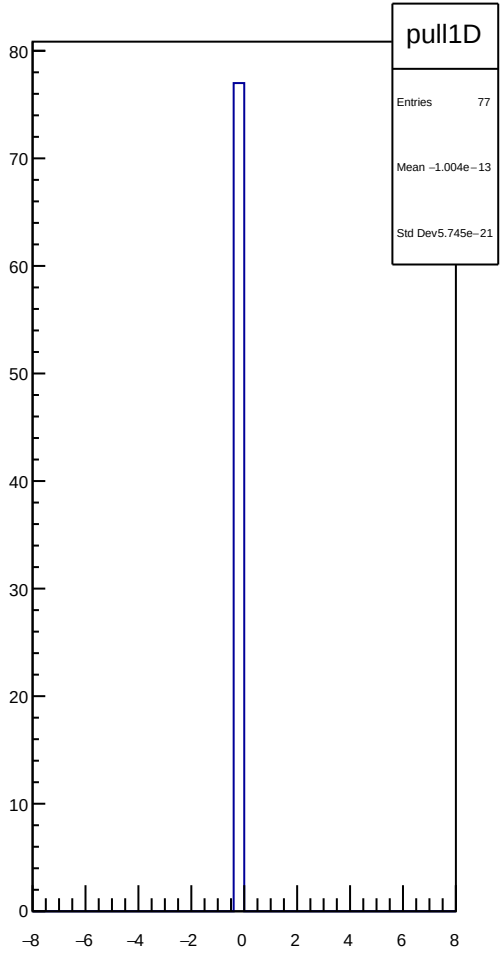


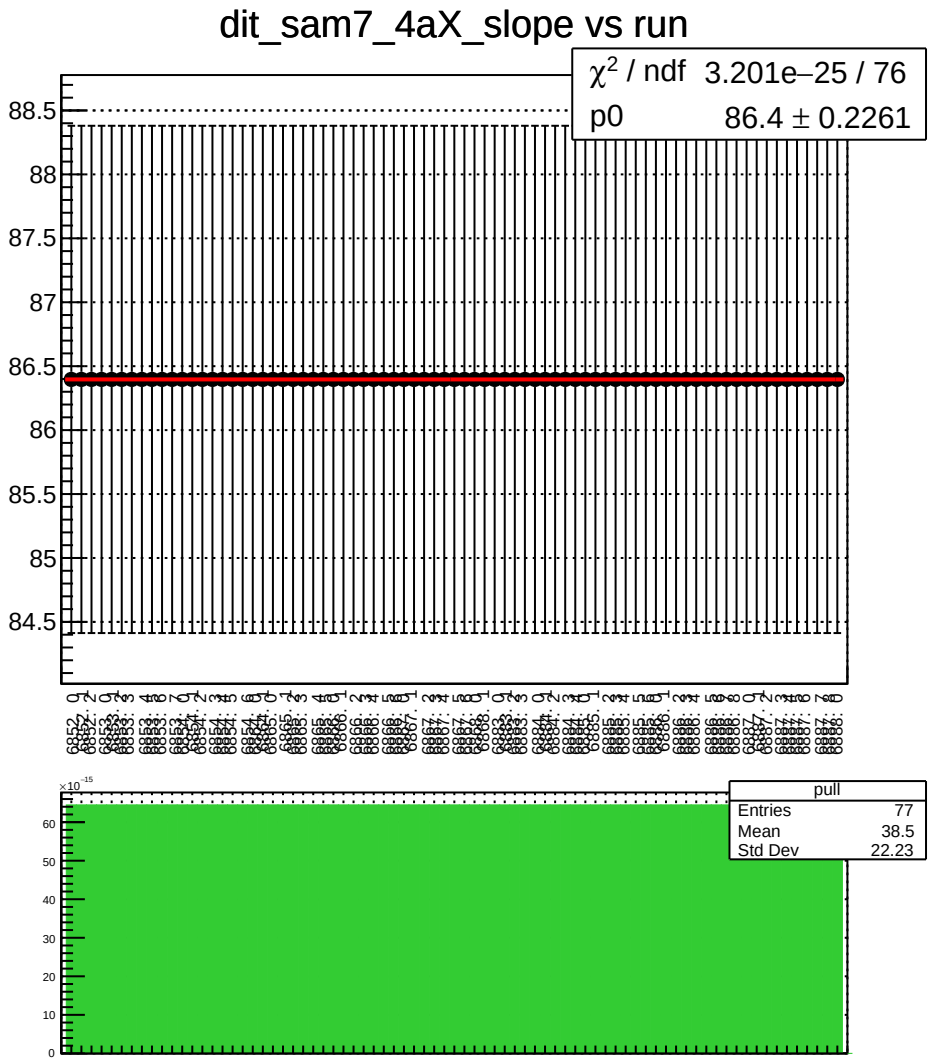


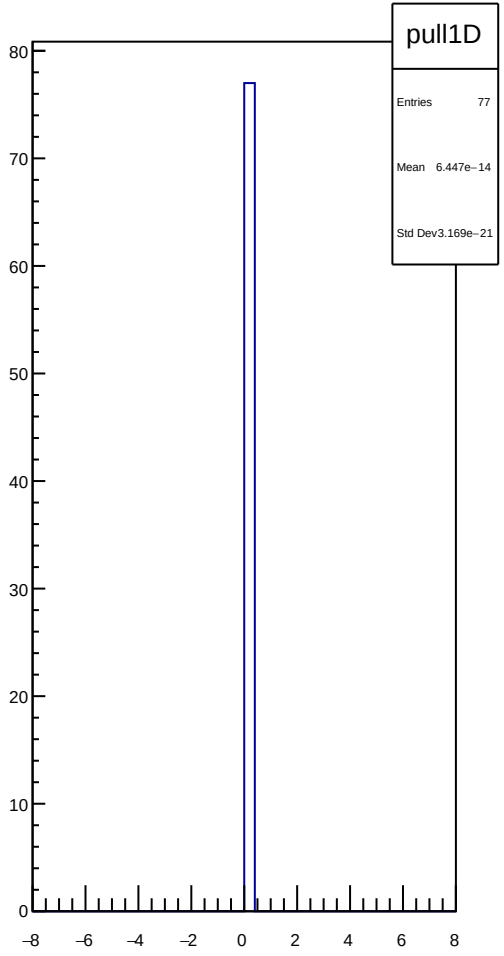

dit_sam6_4aY_slope vs run
χ^2 / ndf 8.448e−25 / 76
p0 18.71 ± 0.03092
19
18.9
18.8
18.7
18.6
18.5
18.4
pull
Entries 77
Mean 38.5
Std Dev 22.23
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

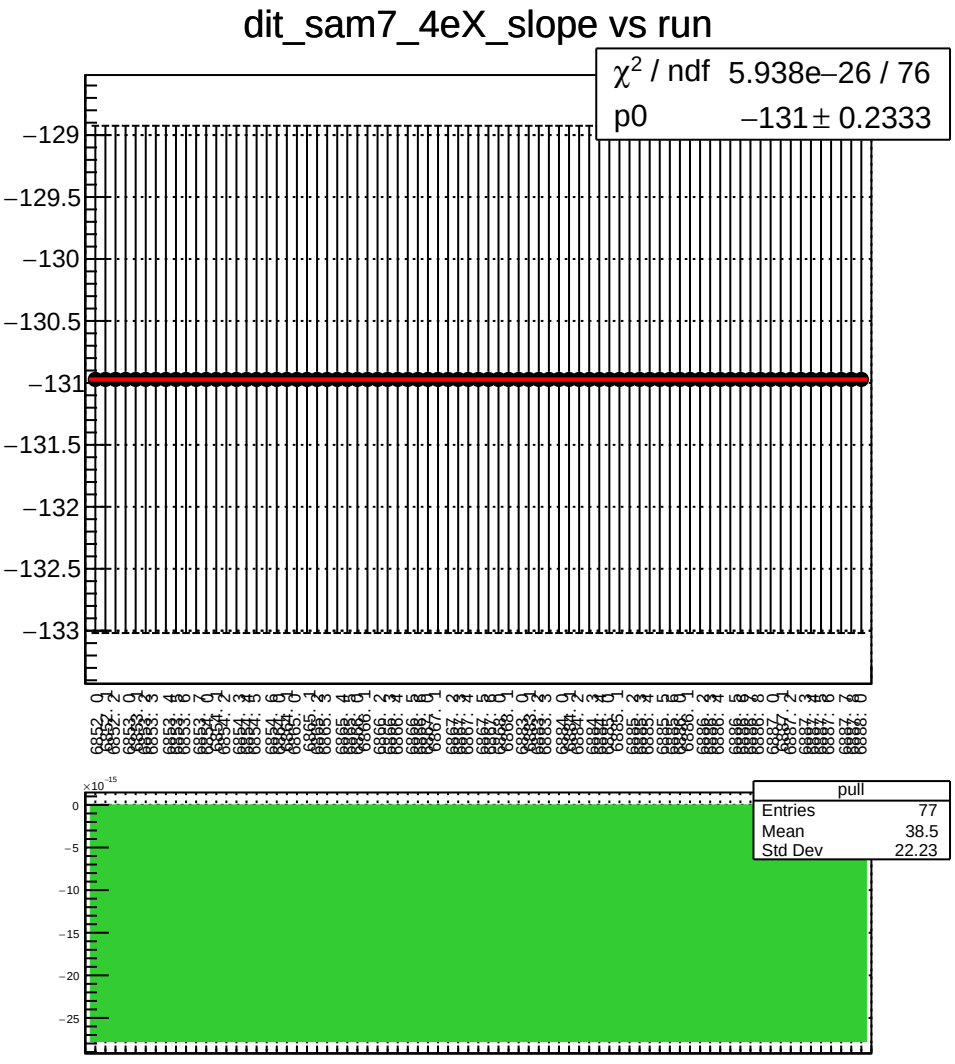

pull1D
Entries 77
Mean 1.047e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

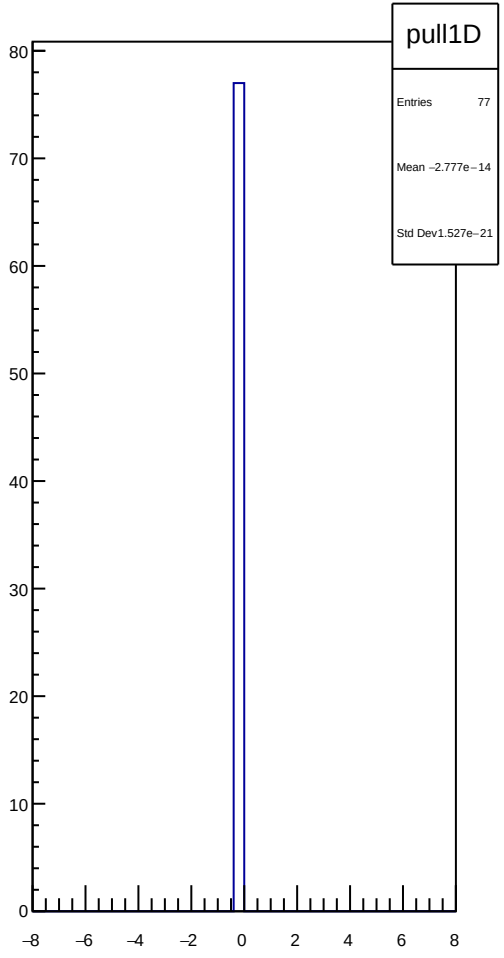

dit_sam6_4eY_slope vs run
χ^2 / ndf 7.757e−25 / 76
p0 94.5 ± 0.04841
95
94.8
94.6
94.4
94.2
94
pull
Entries 77
Mean 38.5
Std Dev 22.23
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1

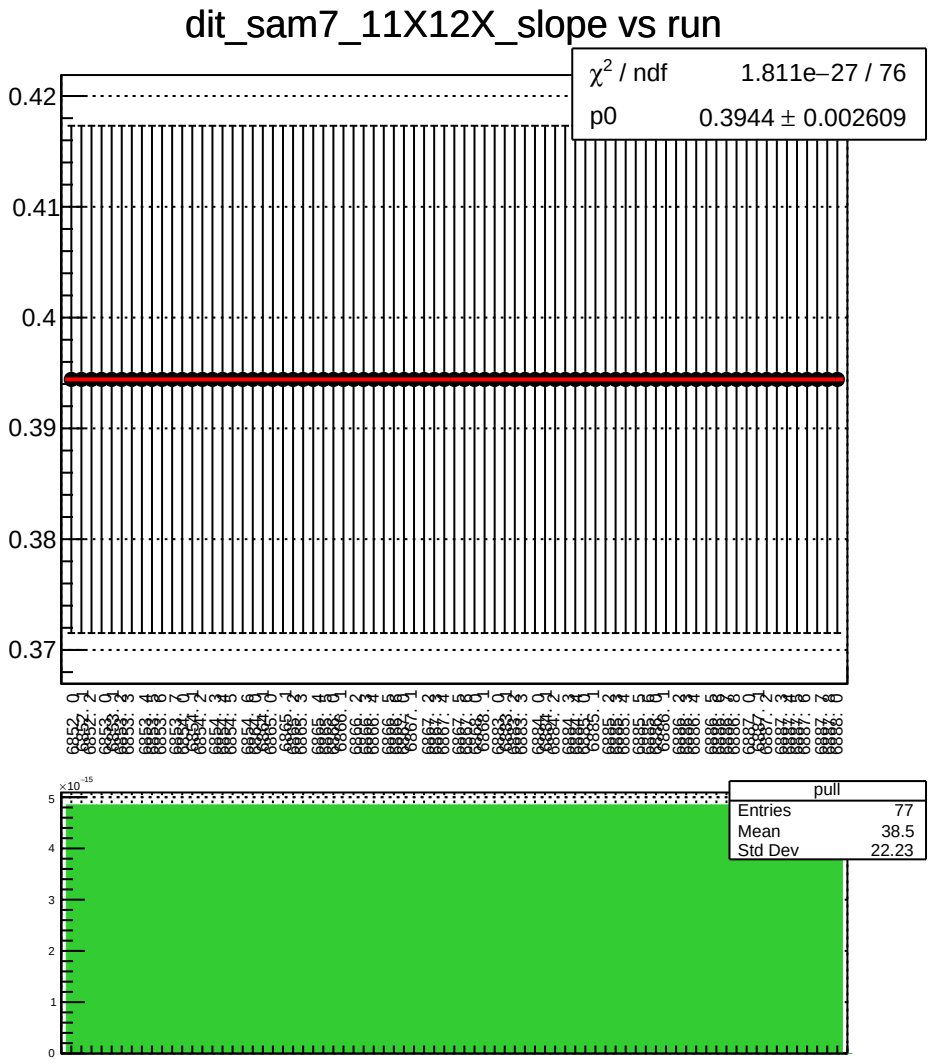

pull1D
Entries 77
Mean −1.004e−13
Std Dev5.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

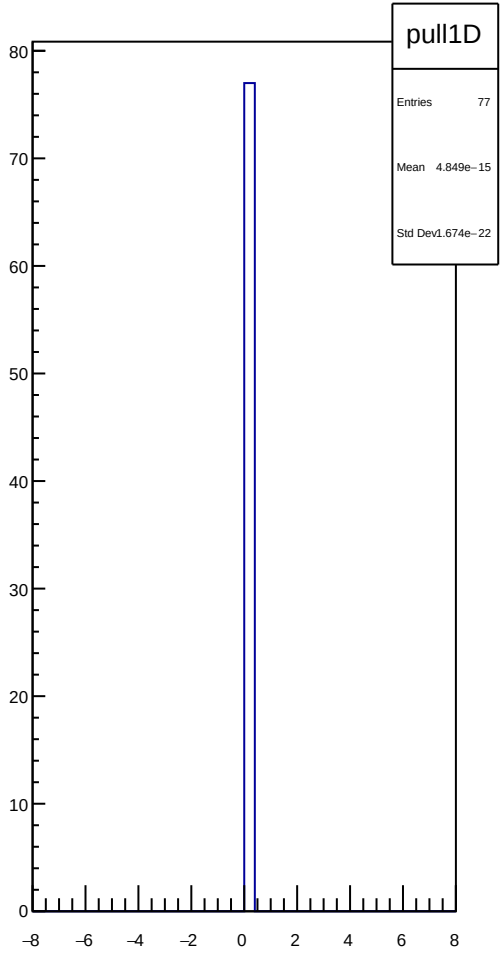

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.201e−25 / 76
p0 86.4 ± 0.2261
88.5
88
87.5
87
86.5
86
85.5
85
84.5
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
60
50
40
30
20
10
0

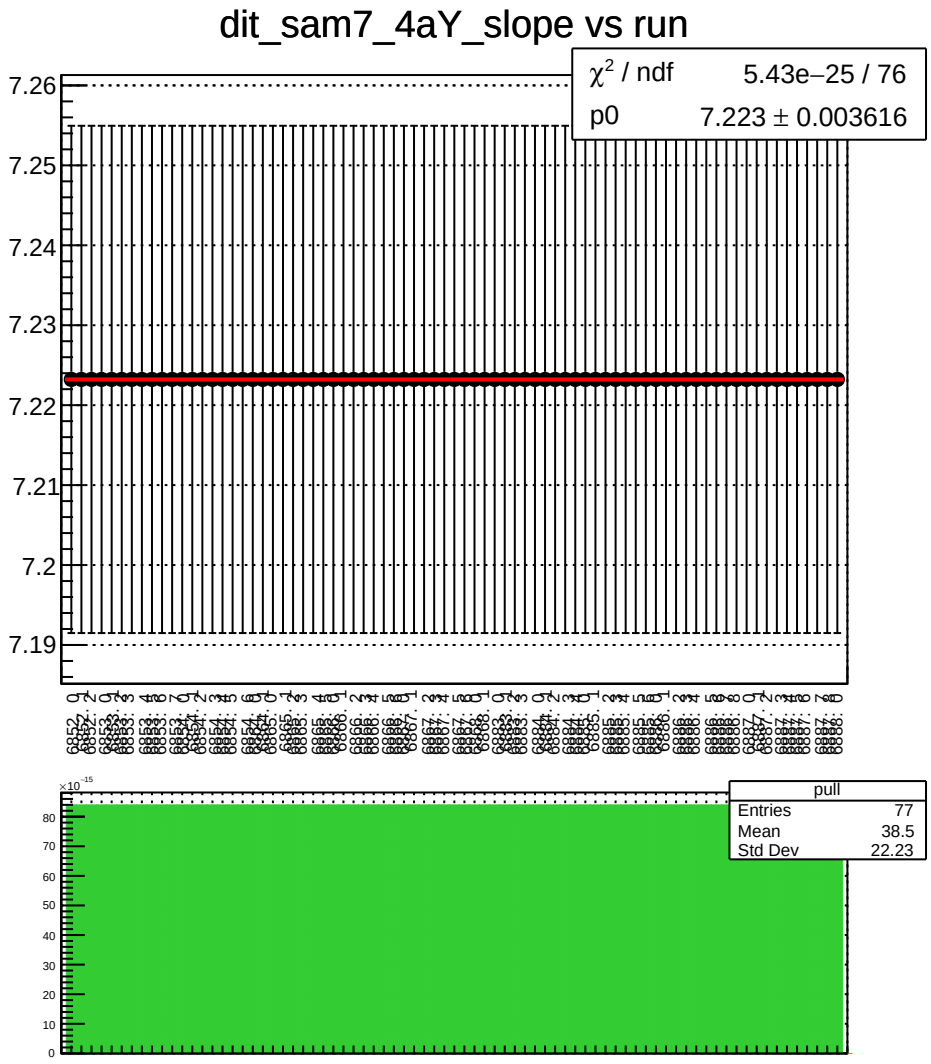

pull1D
Entries 77
Mean 6.447e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

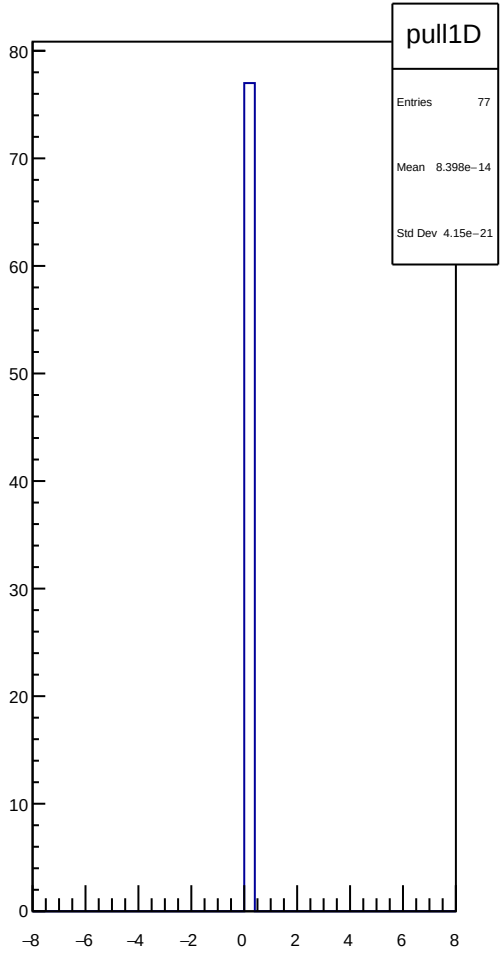

dit_sam7_4eX_slope vs run
χ^2 / ndf 5.938e−26 / 76
p0 −131 ± 0.2333
−129
−129.5
−130
−130.5
−131
−131.5
−132
−132.5
−133
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−5
−10
−15
−20
−25

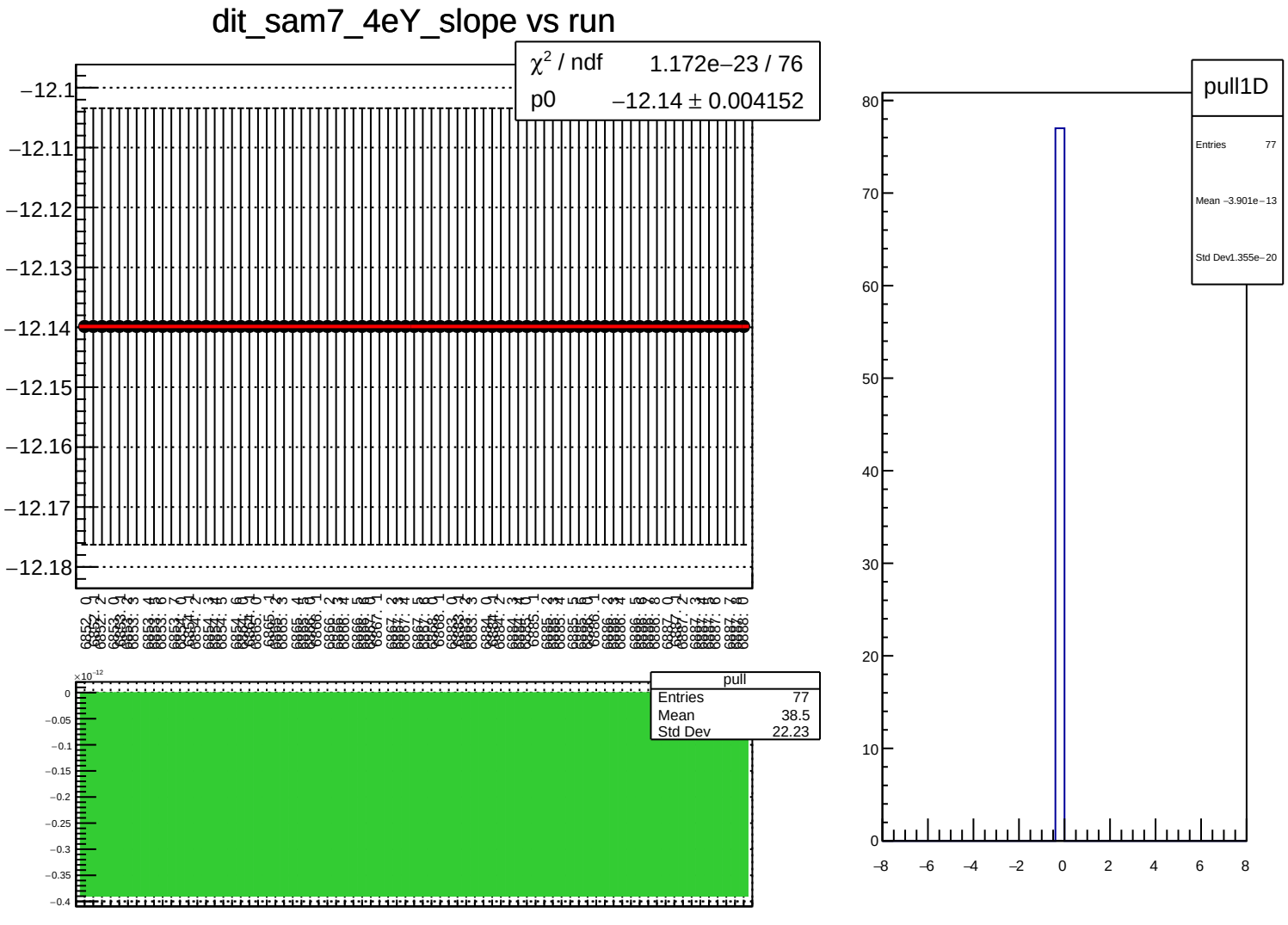

pull1D
Entries 77
Mean −2.777e−14
Std Dev1.527e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

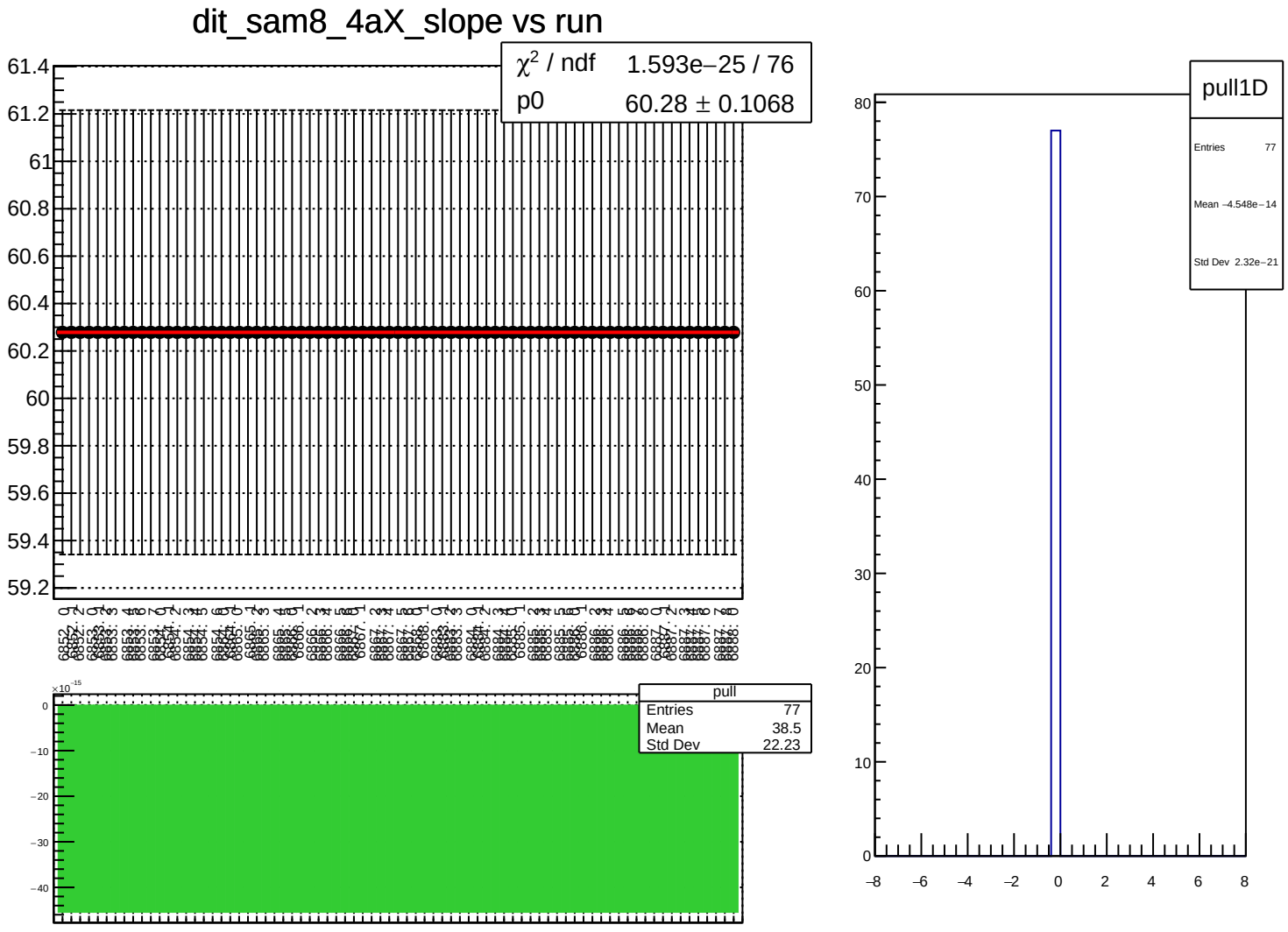

dit_sam7_11X12X_slope vs run
χ^2 / ndf 1.811e−27 / 76
p0 0.3944 ± 0.002609
0.42
0.41
0.4
0.39
0.38
0.37
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
5
4
3
2
1
0

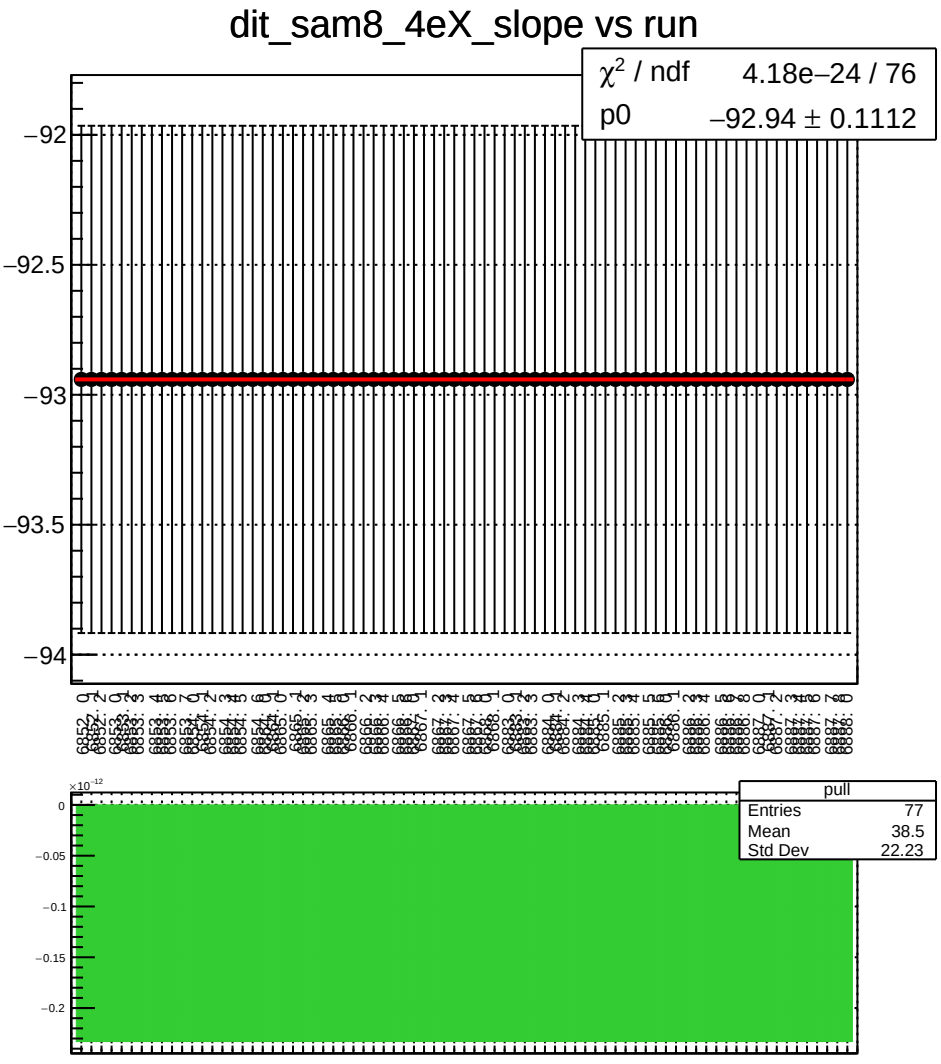

pull1D
Entries 77
Mean 4.849e−15
Std Dev 1.674e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

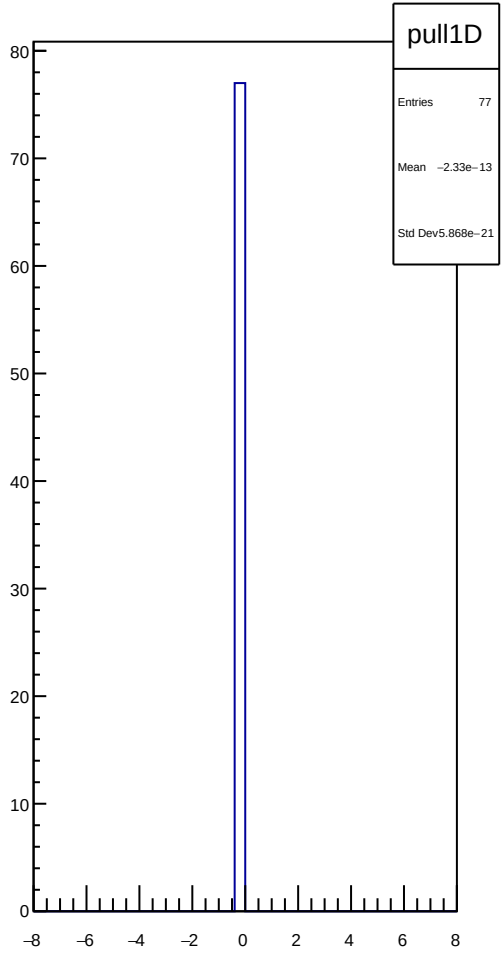

dit_sam7_4aY_slope vs run
χ^2 / ndf 5.43e−25 / 76
p0 7.223 ± 0.003616
7.26
7.25
7.24
7.23
7.22
7.21
7.2
7.19
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
80
70
60
50
40
30
20
10
0

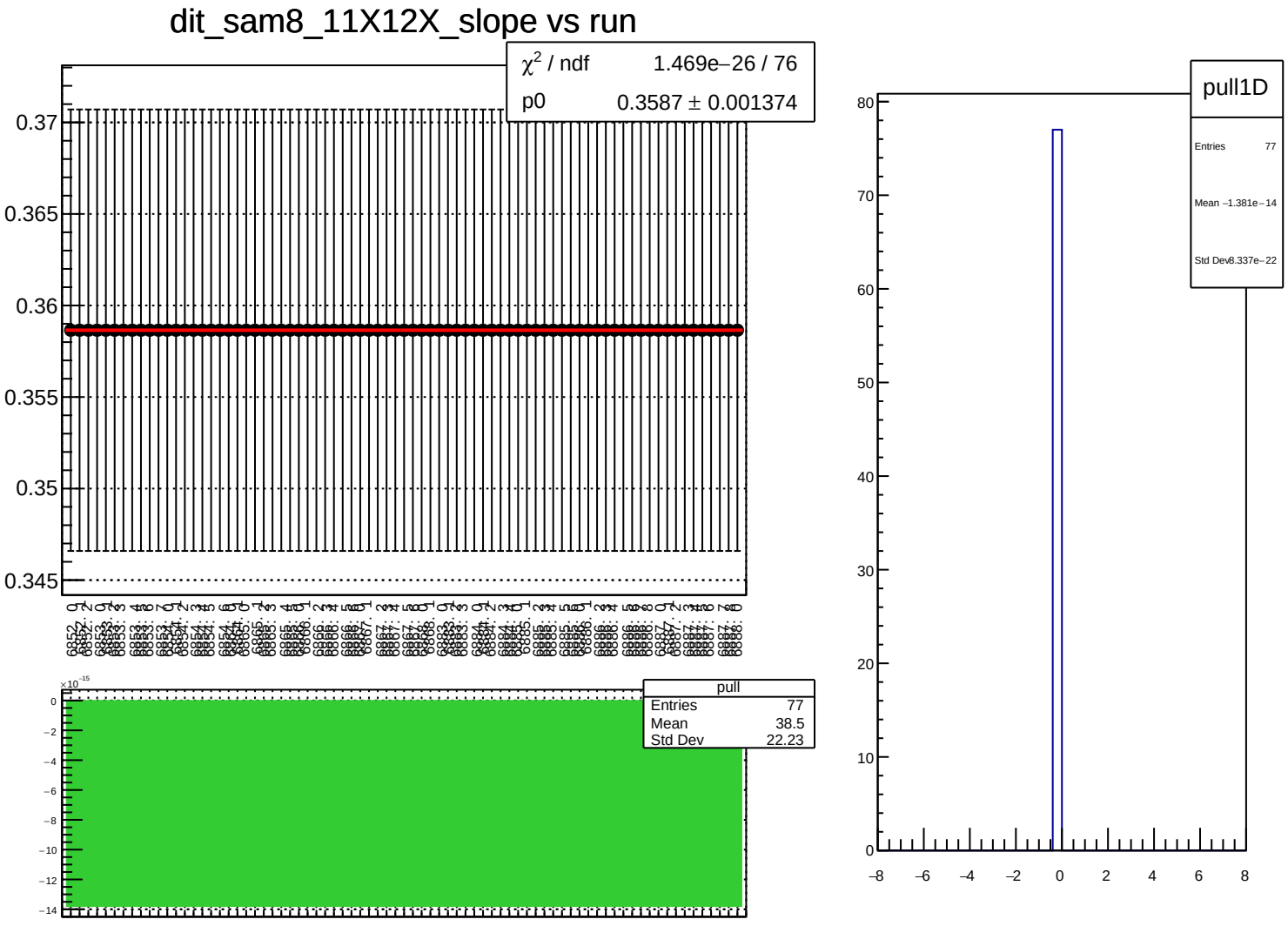

pull1D
Entries 77
Mean 8.398e−14
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

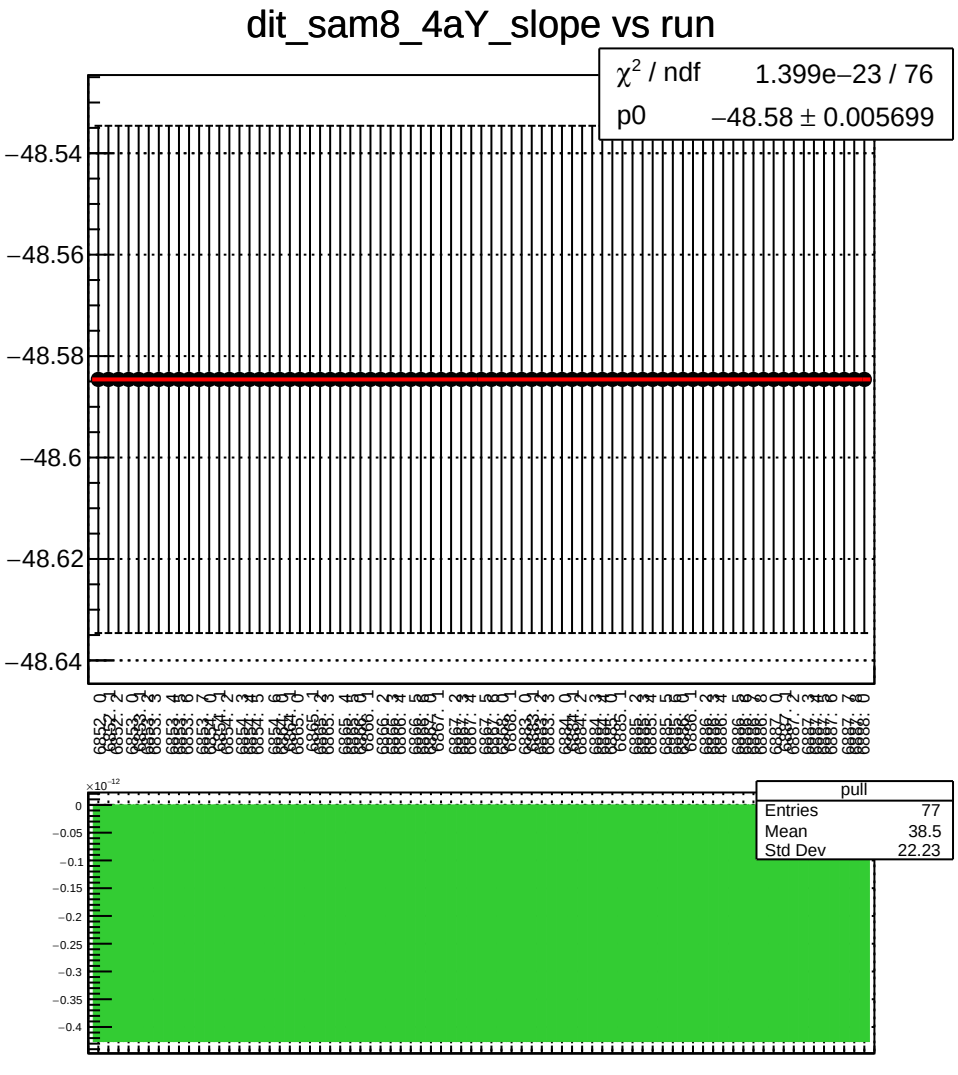

dit_sam7_4eY_slope vs run
χ^2 / ndf 1.172e−23 / 76
p0 −12.14 ± 0.004152
−12.1
−12.11
−12.12
−12.13
−12.14
−12.15
−12.16
−12.17
−12.18
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 77
Mean −3.901e−13
Std Dev 1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

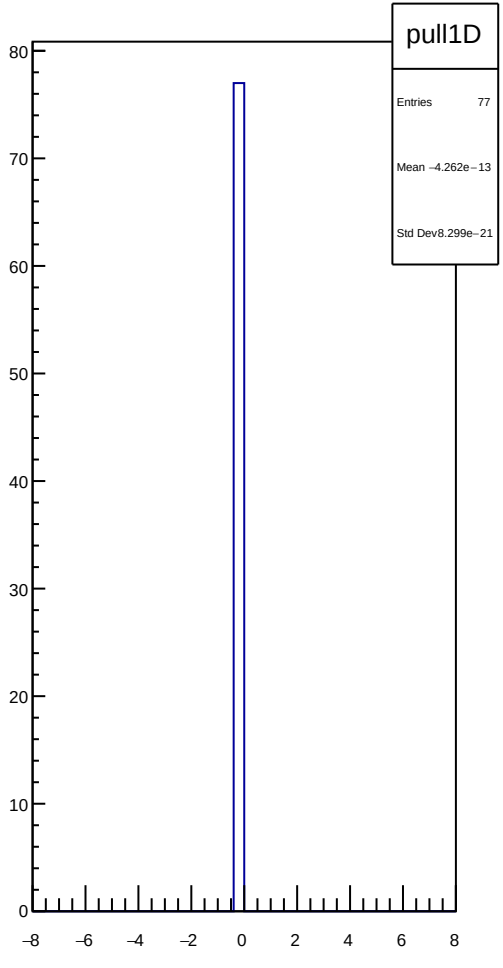

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.593e−25 / 76
p0 60.28 ± 0.1068
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.548e−14
Std Dev 2.32e−21

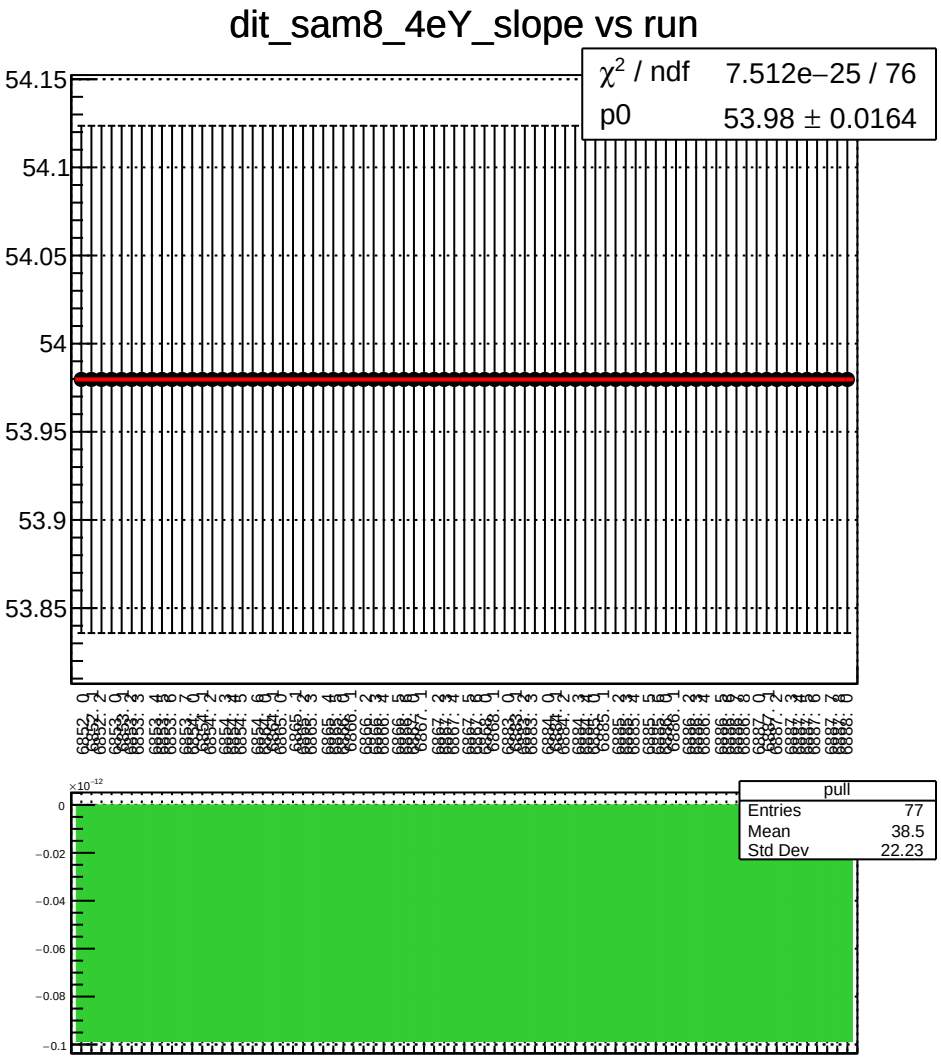

dit_sam8_4eX_slope vs run
χ^2 / ndf 4.18e−24 / 76
p0 −92.94 ± 0.1112
−92
−92.5
−93
−93.5
−94
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.05
−0.1
−0.15
−0.2

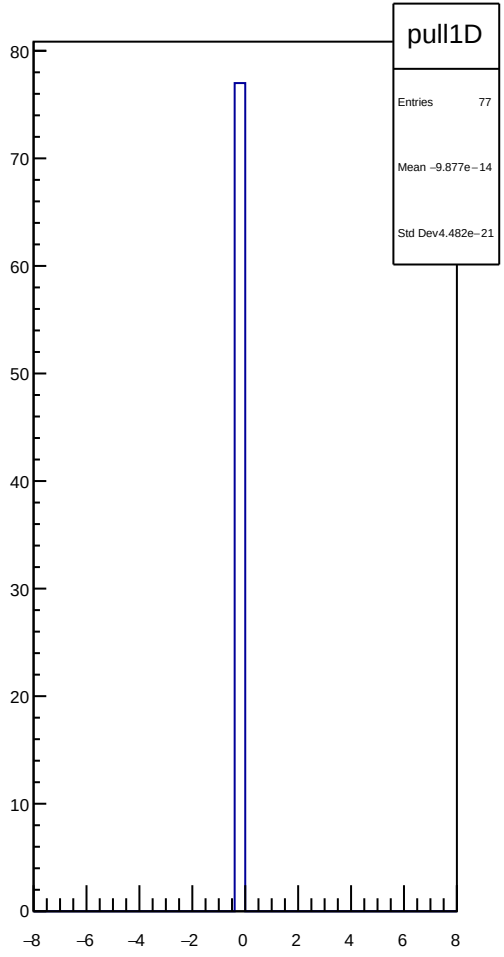

pull1D
Entries 77
Mean −2.33e−13
Std Dev 5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

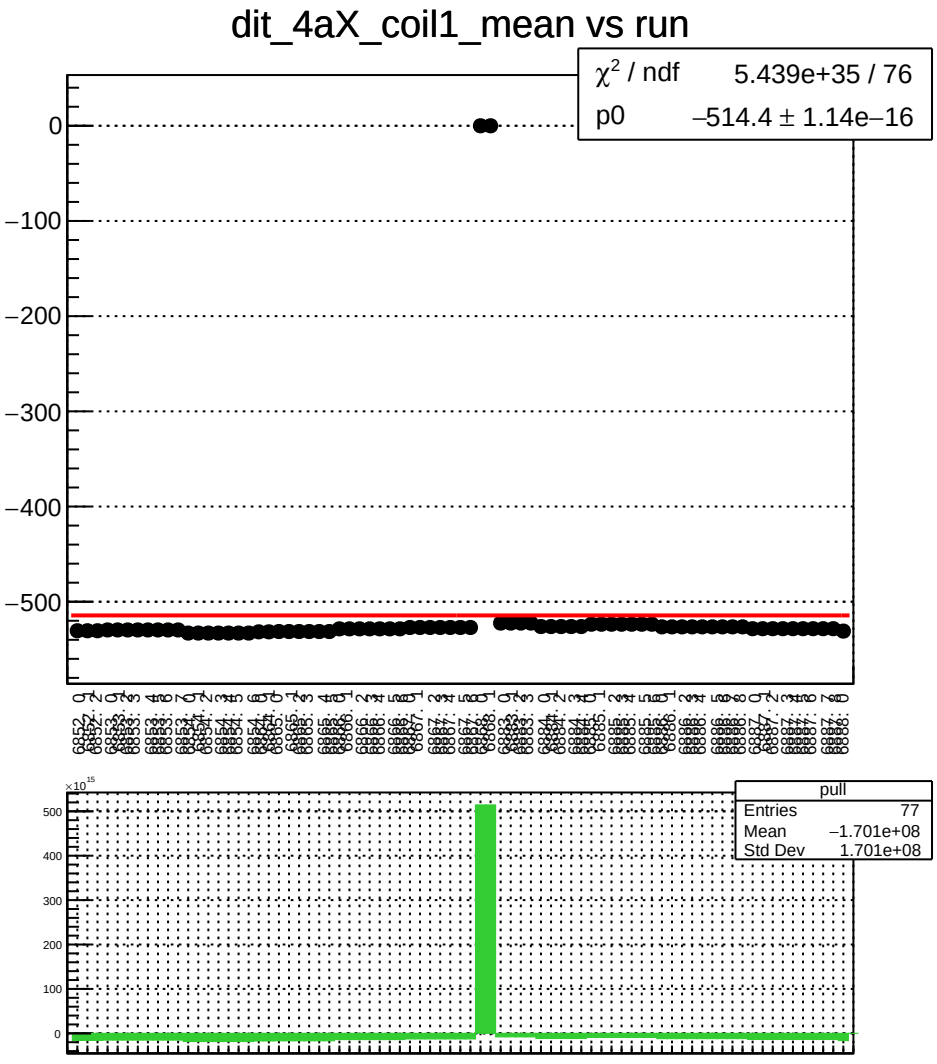

dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.469e−26 / 76
p0 0.3587 ± 0.001374
0.37
0.365
0.36
0.355
0.35
0.345
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 77
Mean −1.381e−14
Std Dev 8.337e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

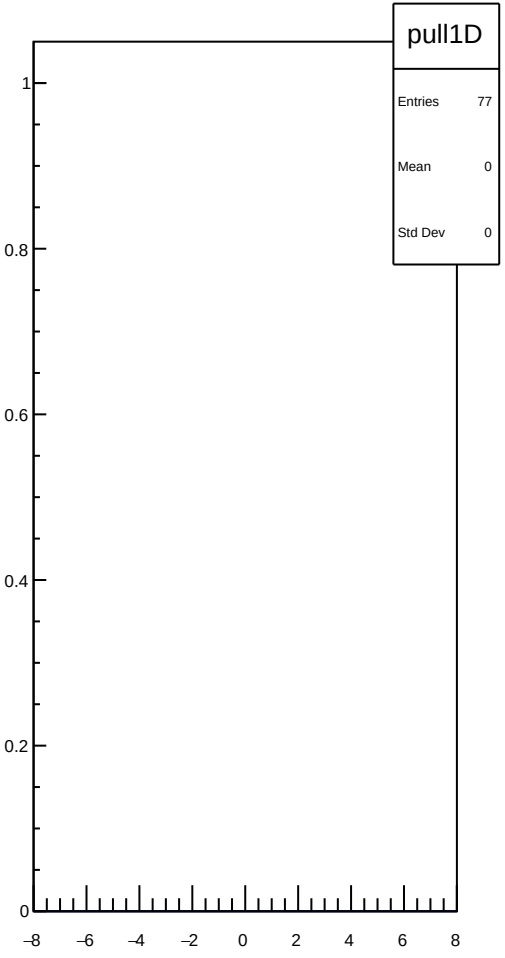

dit_sam8_4aY_slope vs run
χ^2 / ndf 1.399e−23 / 76
p0 −48.58 ± 0.005699
−48.54
−48.56
−48.58
−48.6
−48.62
−48.64
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4


pull1D
Entries 77
Mean −4.262e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

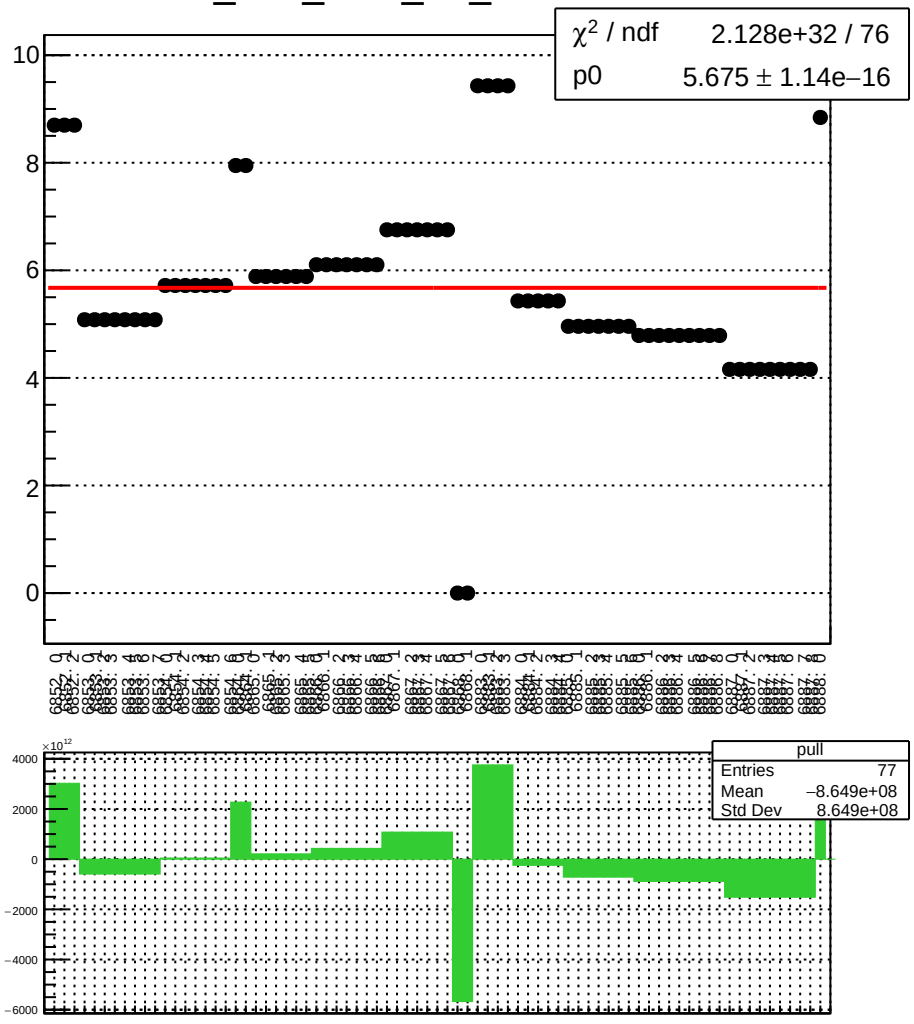

dit_sam8_4eY_slope vs run
χ² / ndf 7.512e−25 / 76
p0 53.98 ± 0.0164
54.15
54.1
54.05
54
53.95
53.9
53.85
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

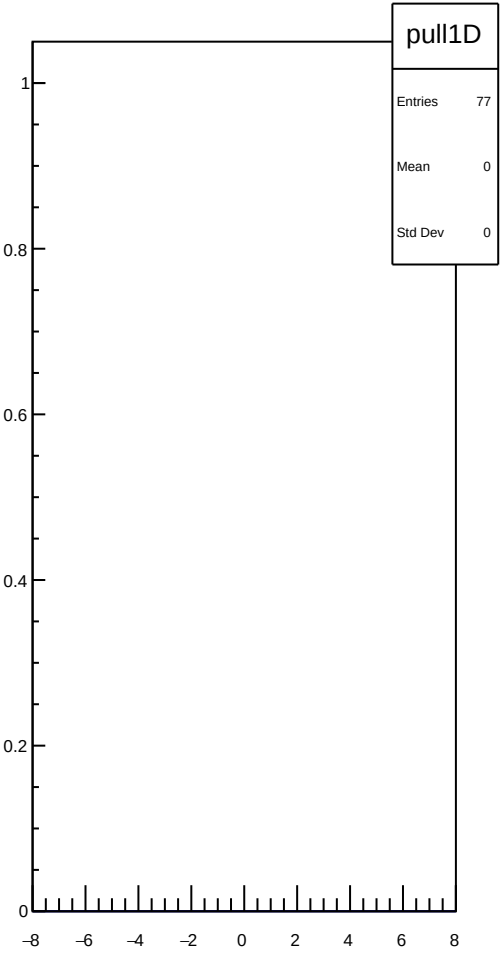

pull1D
Entries 77
Mean −9.877e−14
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil1_mean vs run
χ^2 / ndf 5.439e+35 / 76
p0 –514.4 ± 1.14e–16
0
–100
–200
–300
–400
–500
pull
Entries 77
Mean –1.701e+08
Std Dev 1.701e+08
×10^15
500
400
300
200
100
0

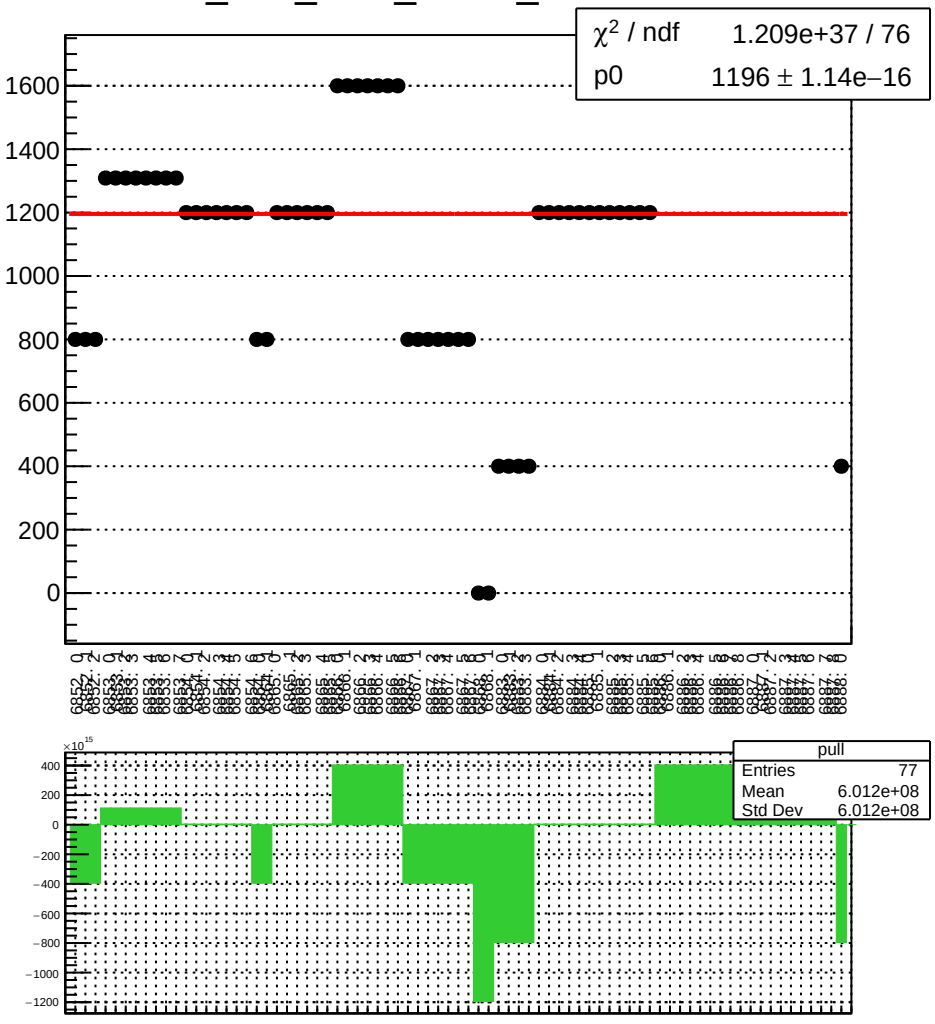

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

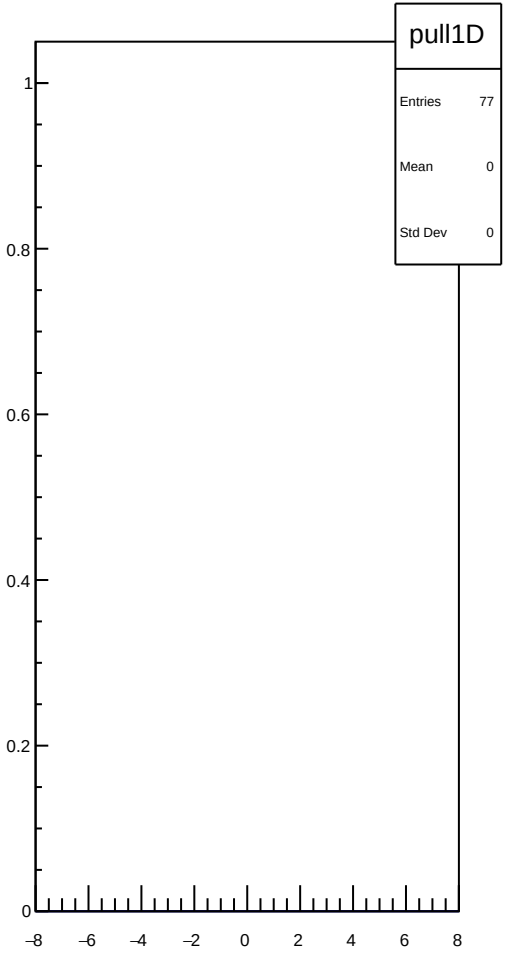
dit_4aX_coil1_err_mean vs run

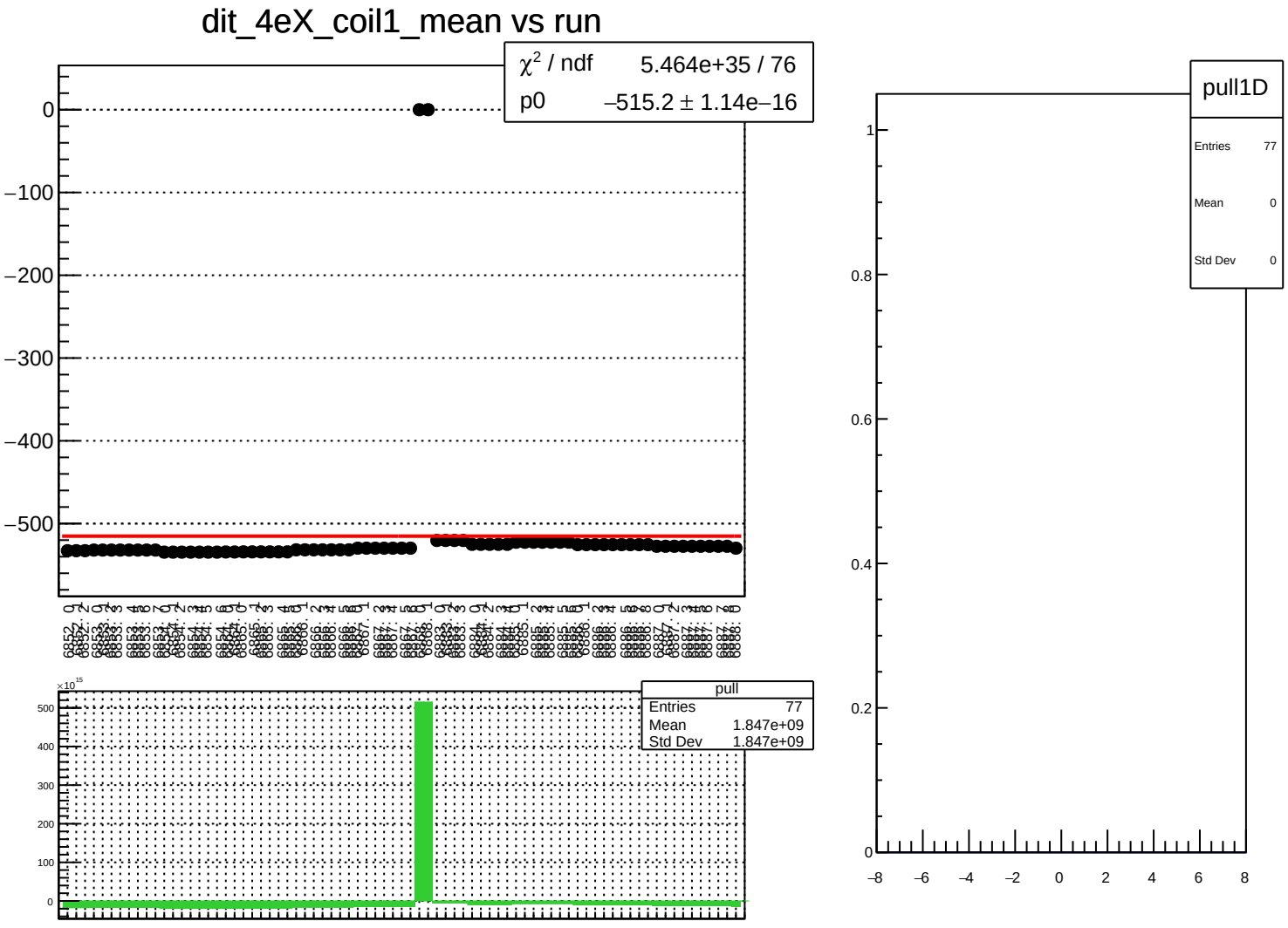




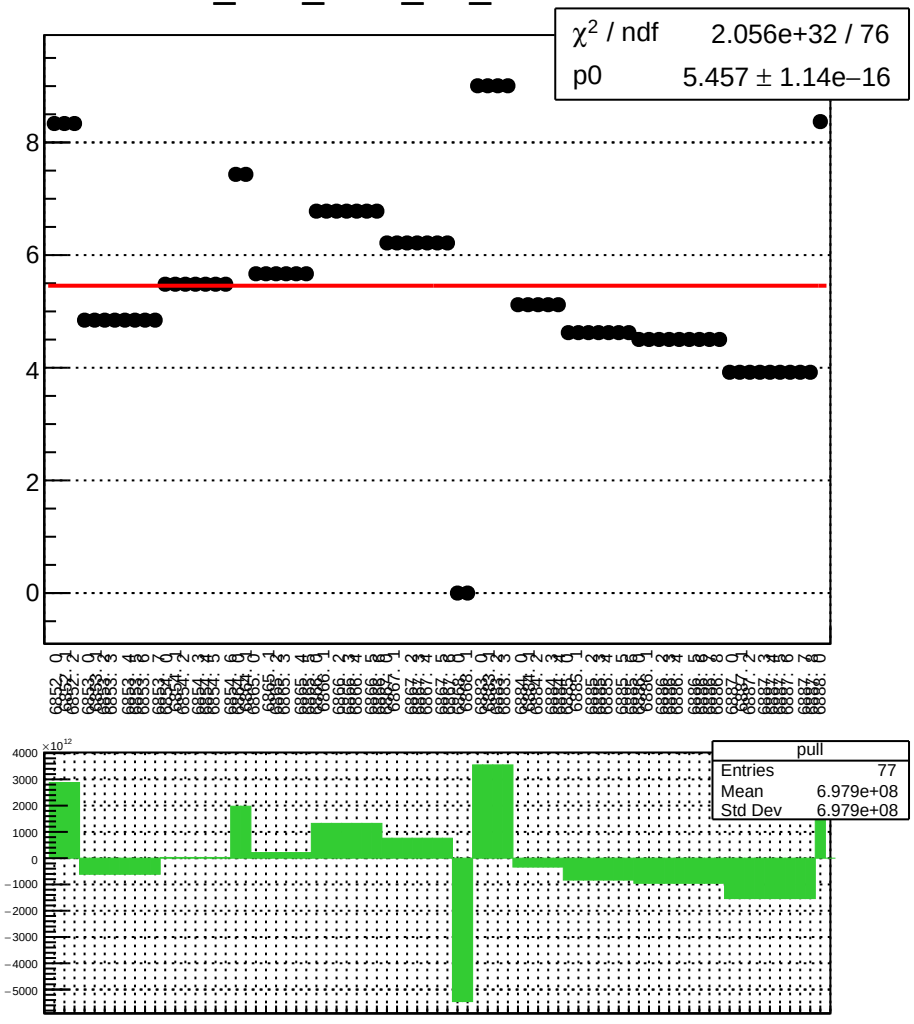
dit_4aX_coil1_Ndata_mean vs run

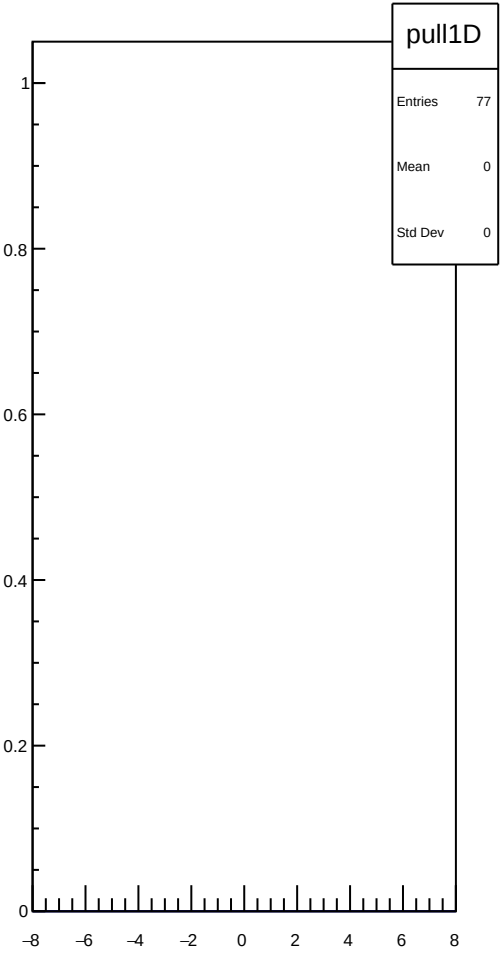




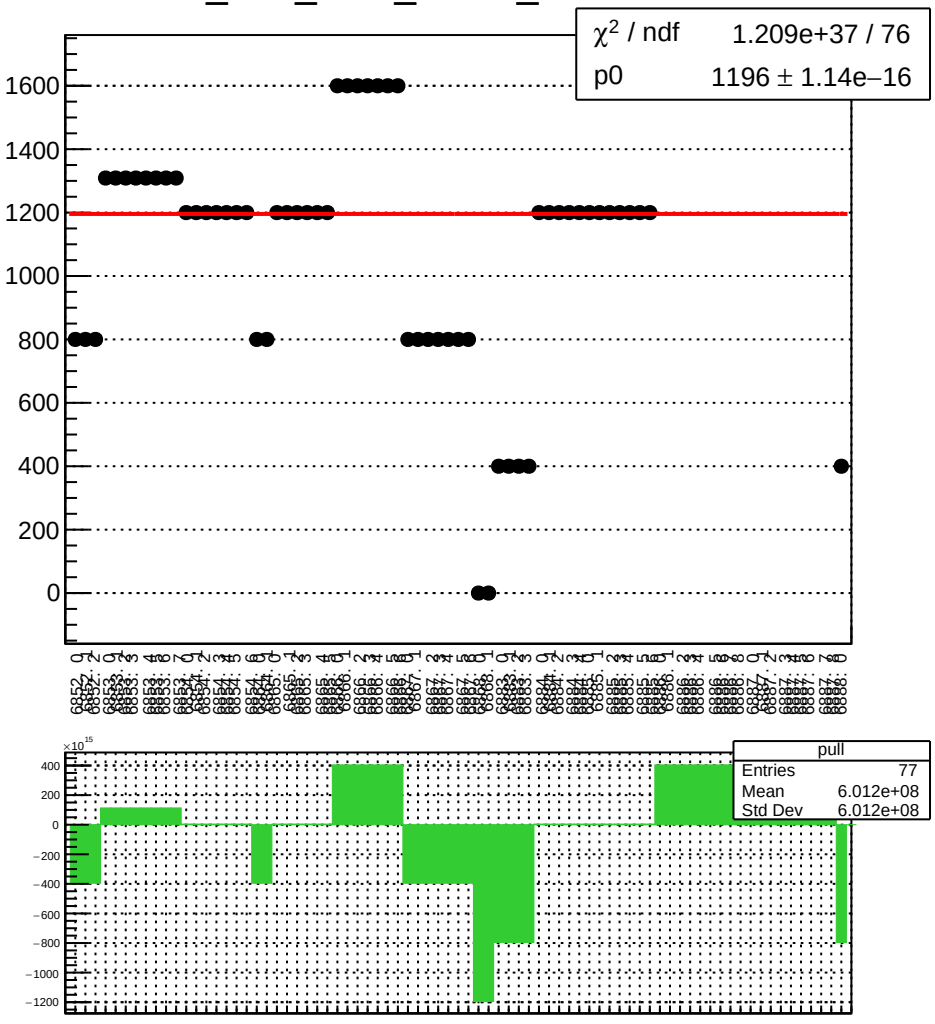

dit_4eX_coil1_mean vs run
χ^2 / ndf 5.464e+35 / 76
p0 –515.2 ± 1.14e–16
0
–100
–200
–300
–400
–500
pull
Entries 77
Mean 1.847e+09
Std Dev 1.847e+09
×10^15
500
400
300
200
100
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

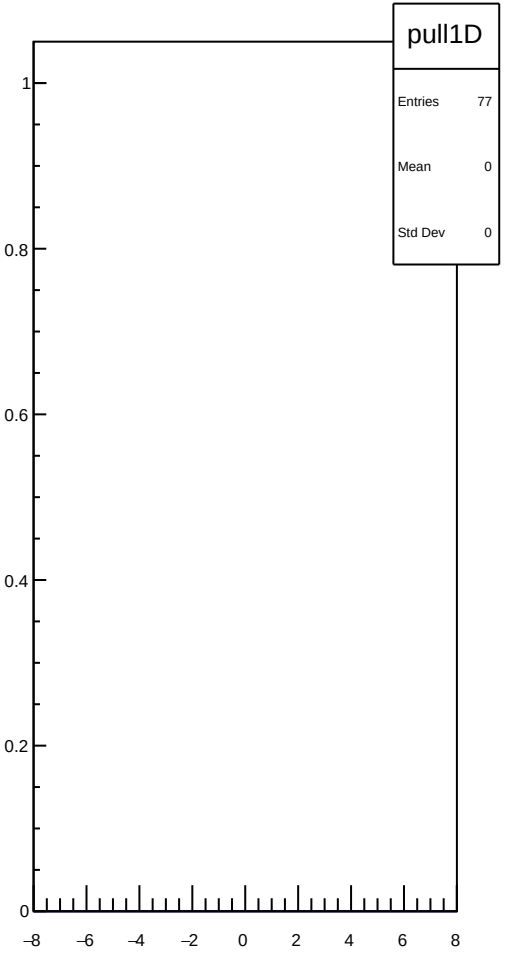
dit_4eX_coil1_err_mean vs run



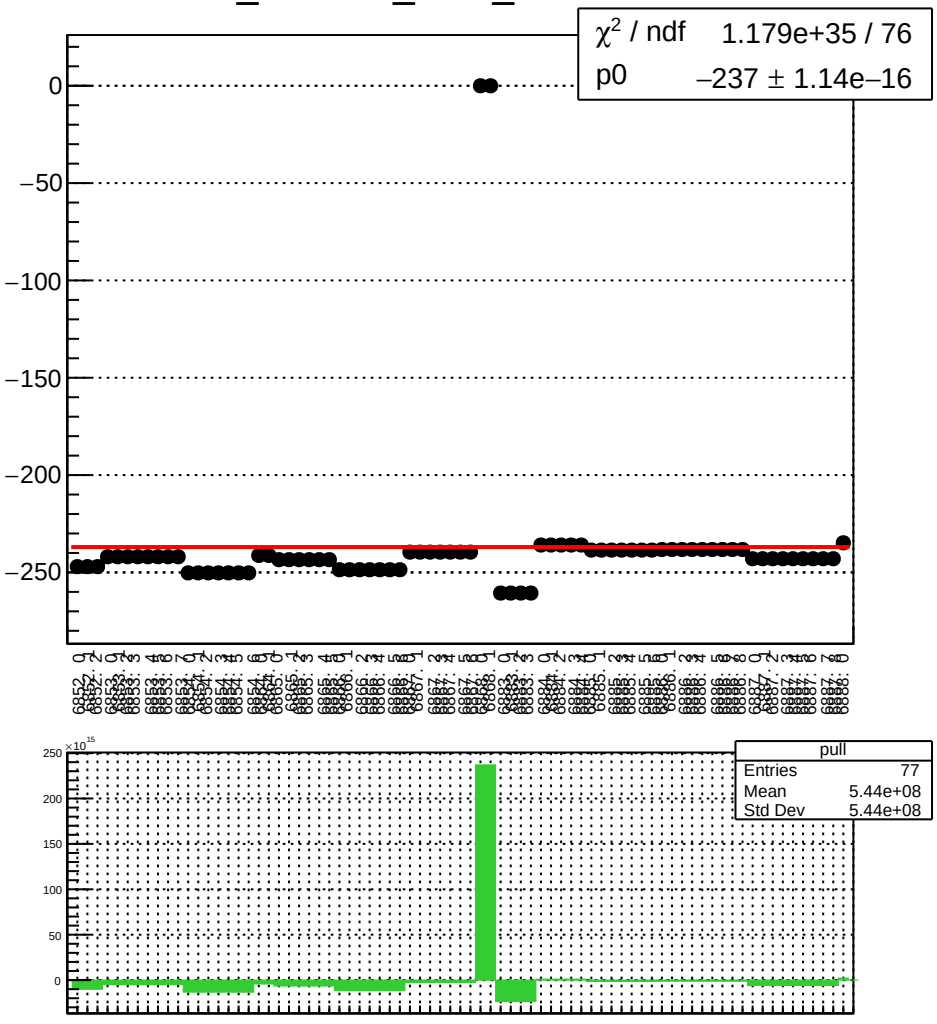


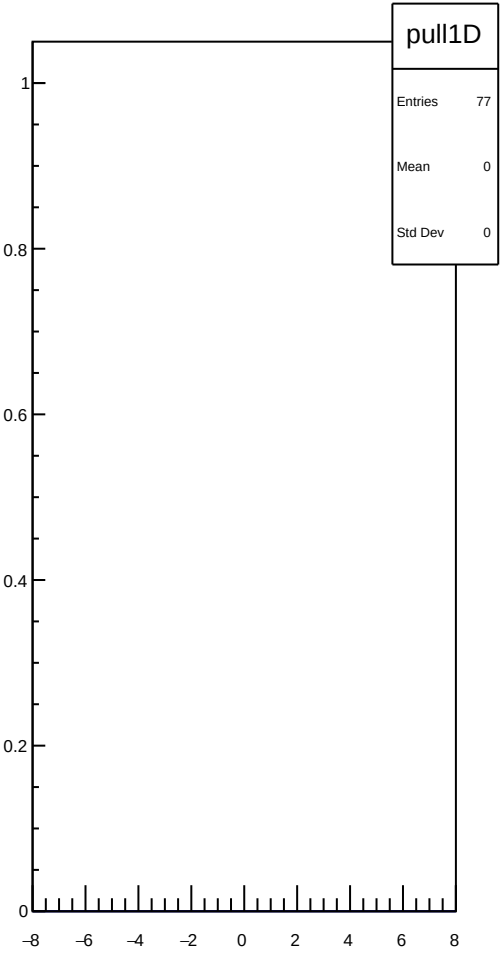
dit_4eX_coil1_Ndata_mean vs run



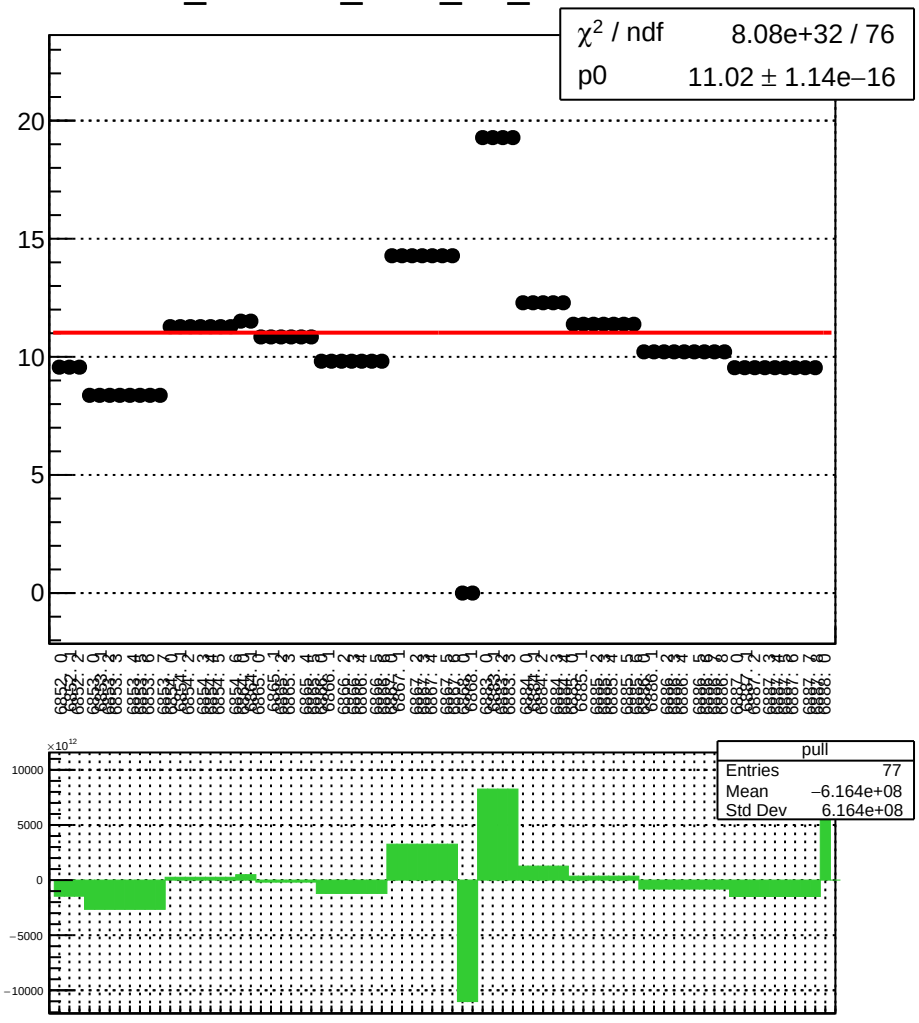


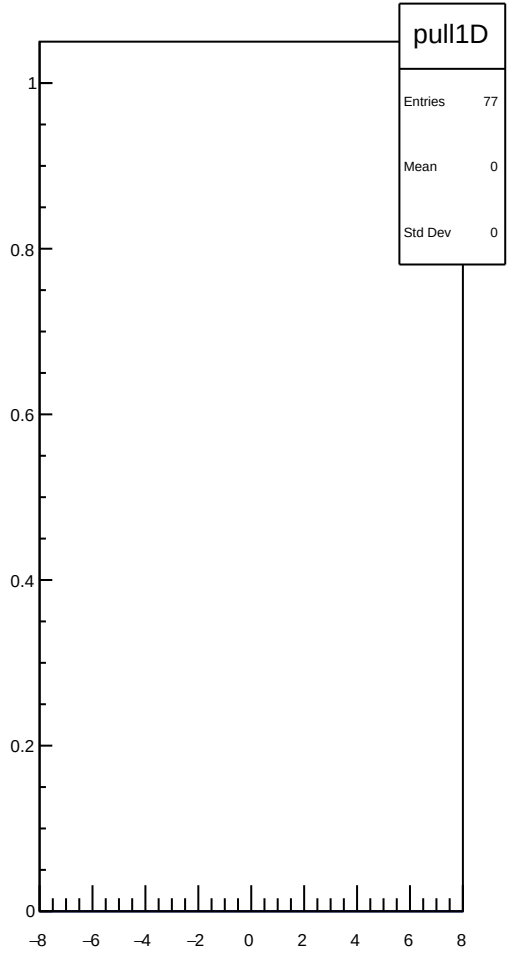
dit_11X12X_coil1_mean vs run



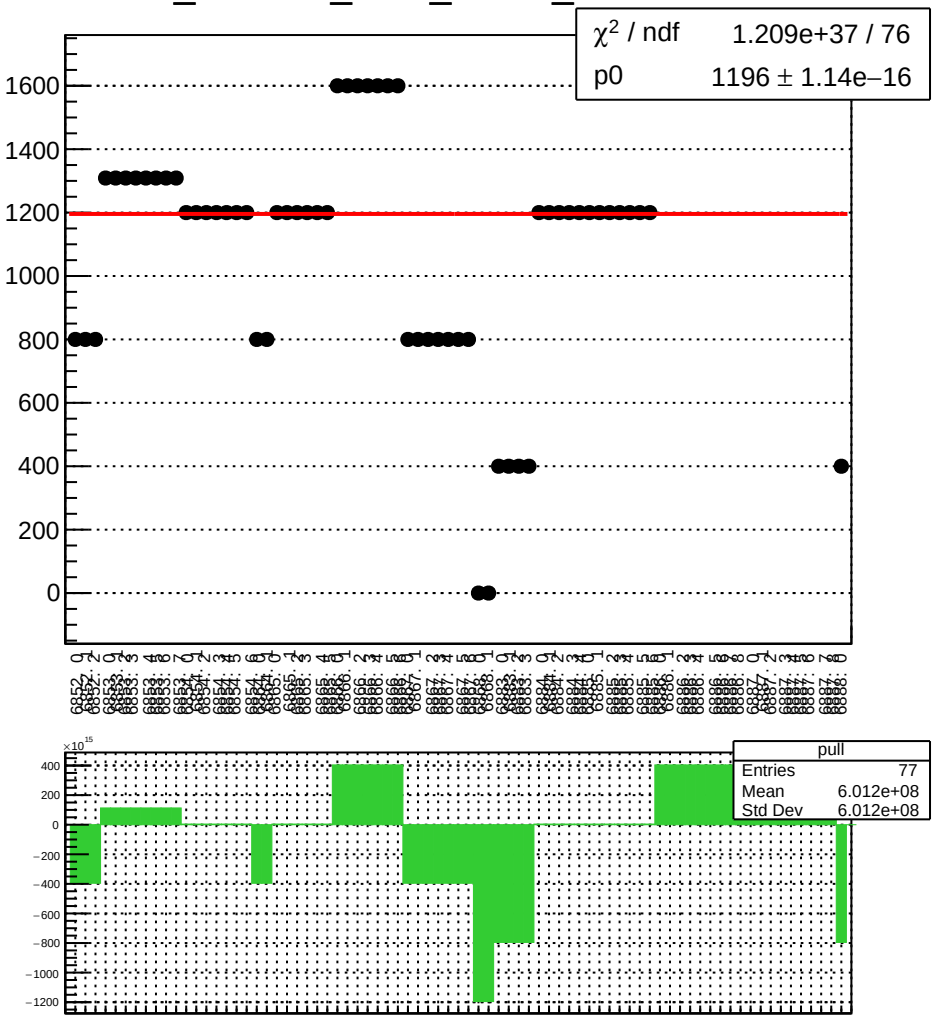


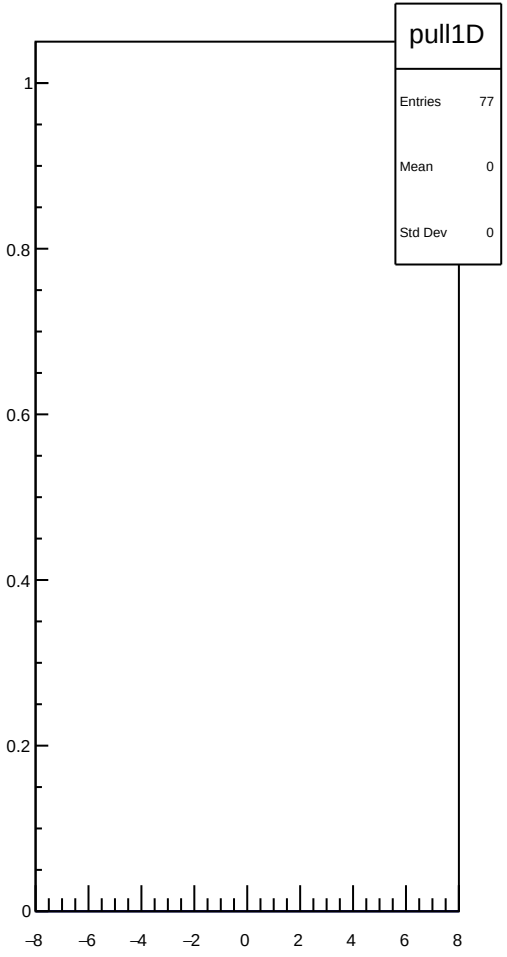
dit_11X12X_coil1_err_mean vs run

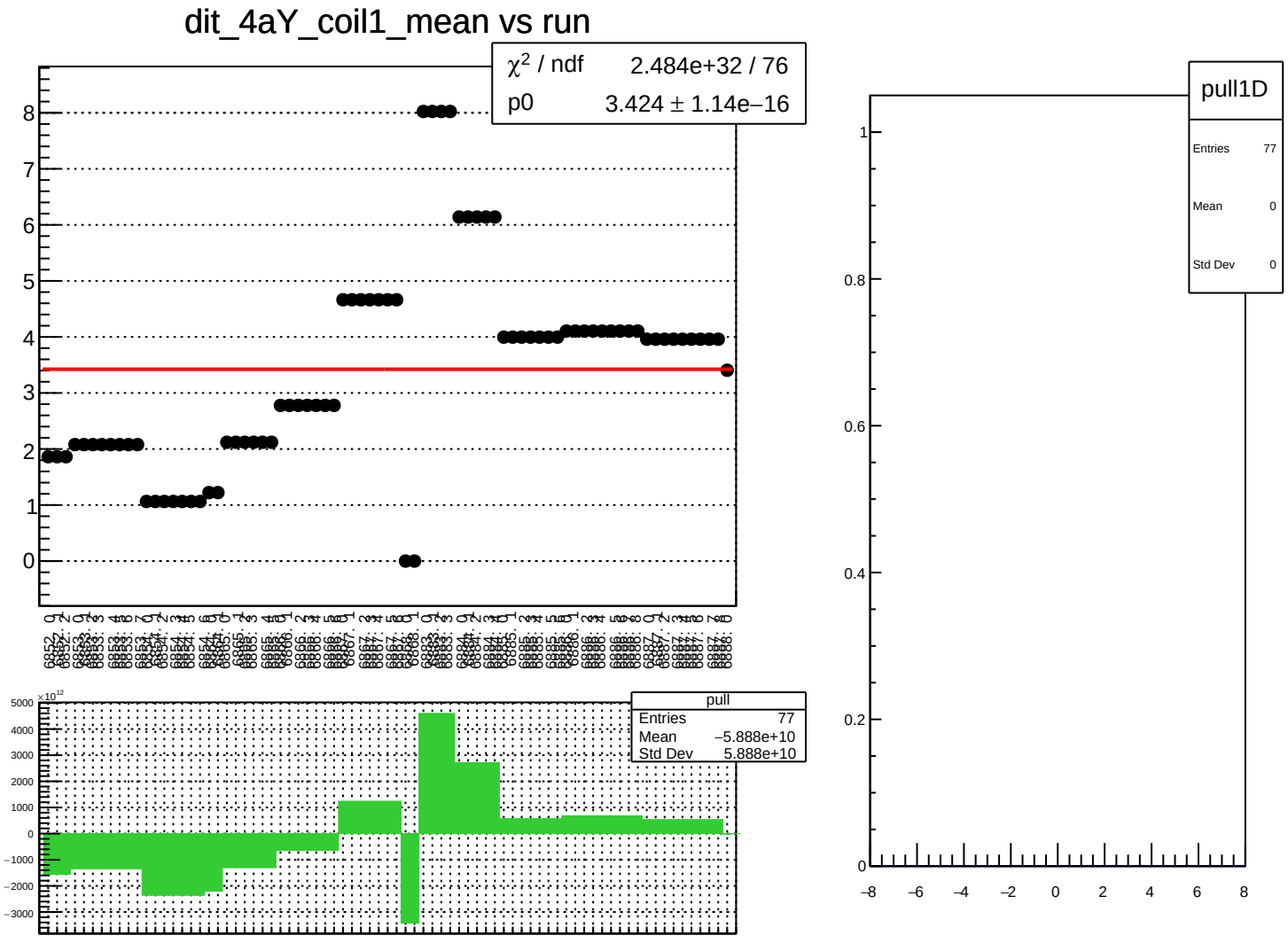




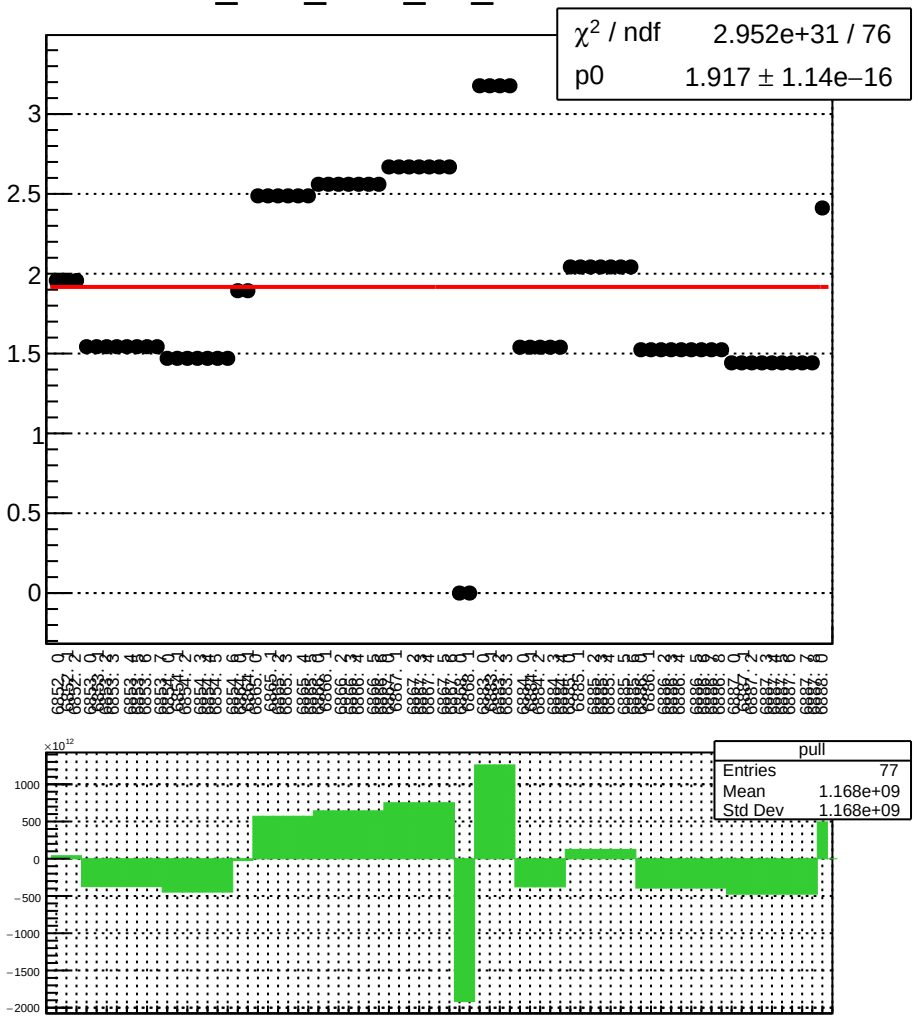
dit_11X12X_coil1_Ndata_mean vs run

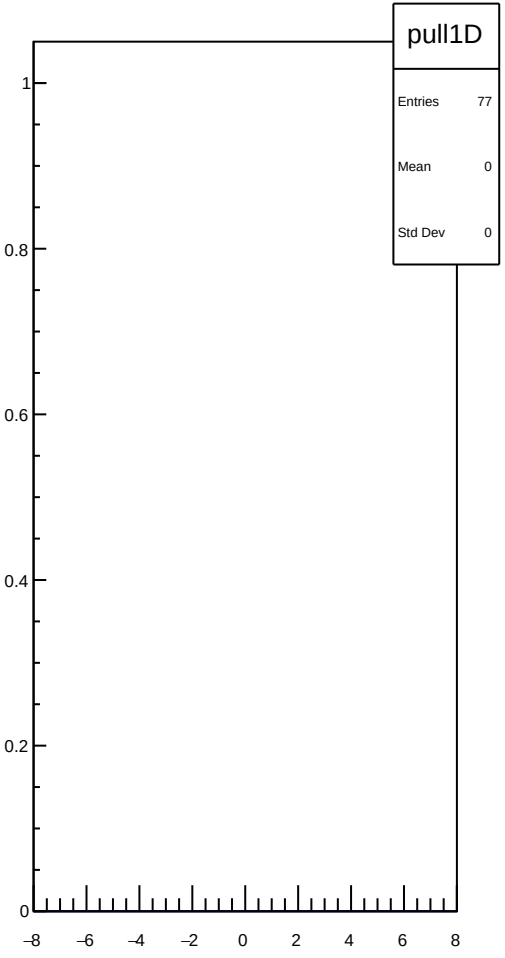




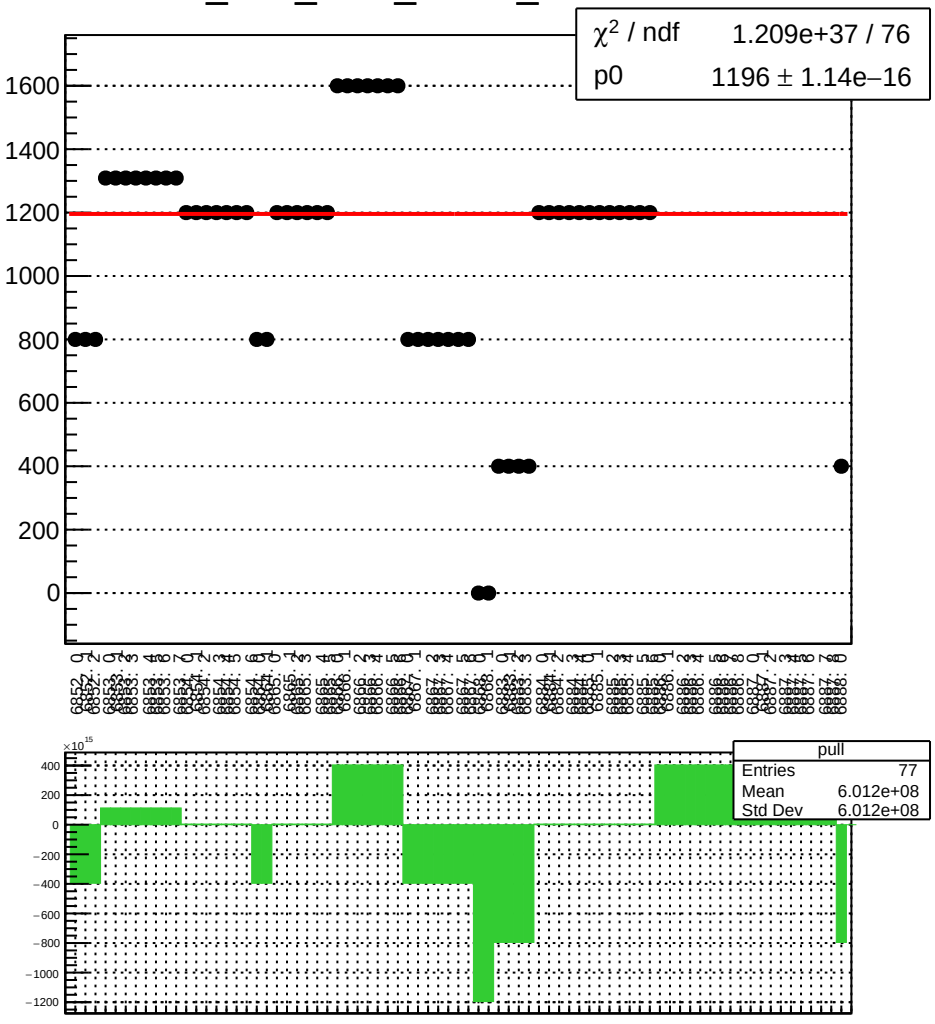

dit_4aY_coil1_mean vs run
χ² / ndf 2.484e+32 / 76
p0 3.424 ± 1.14e−16
pull
Entries 77
Mean −5.888e+10
Std Dev 5.888e+10
pull1D
Entries 77
Mean 0
Std Dev 0

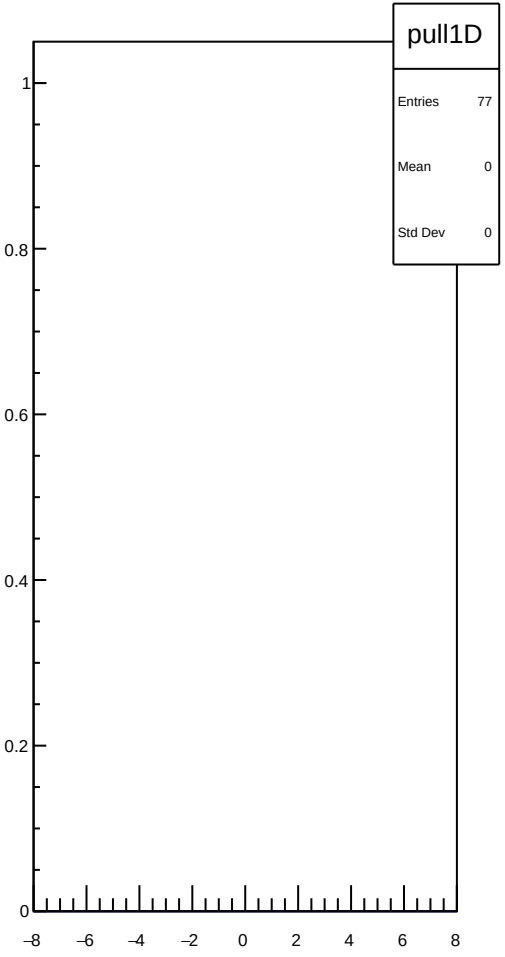
dit_4aY_coil1_err_mean vs run

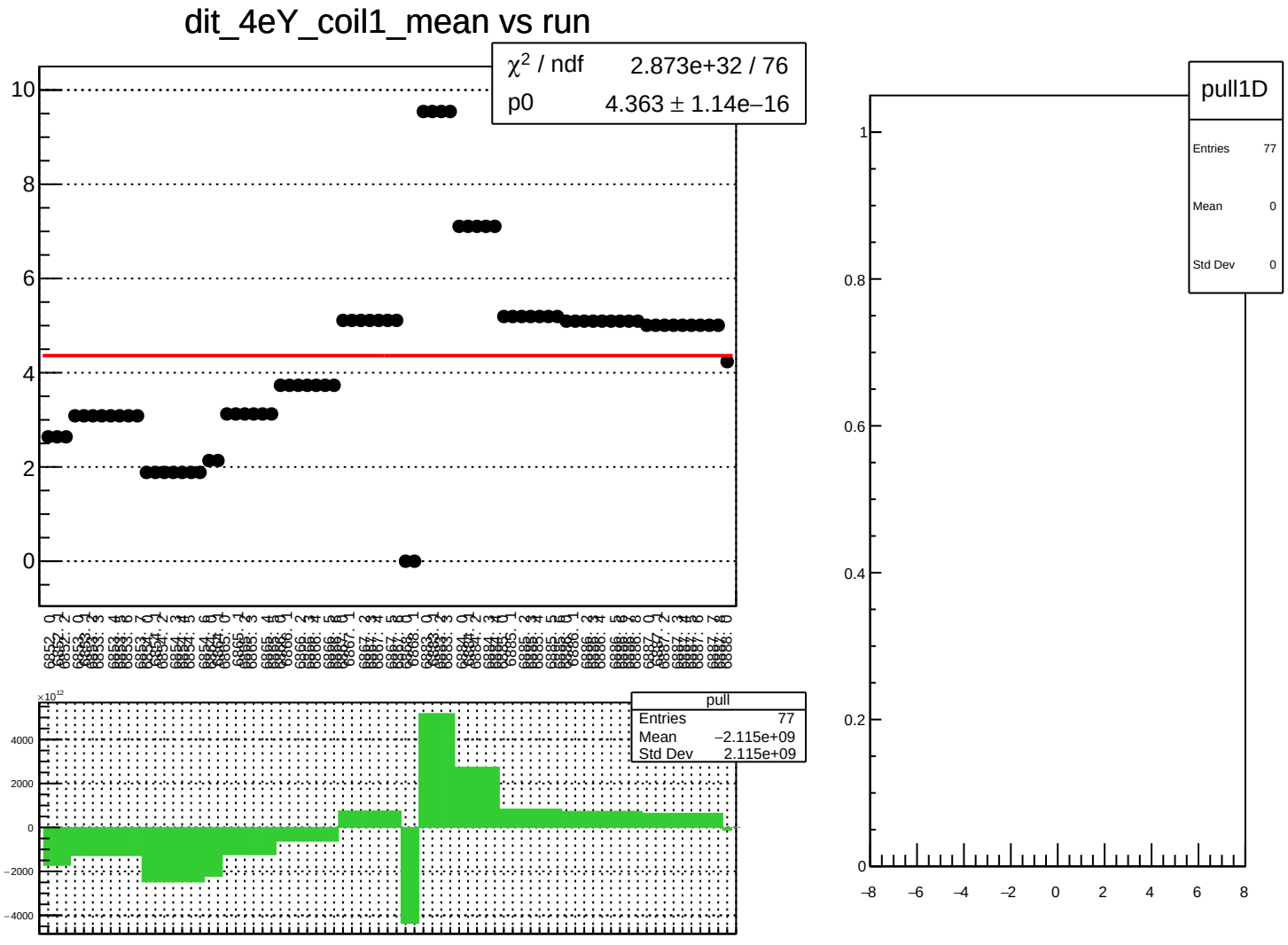


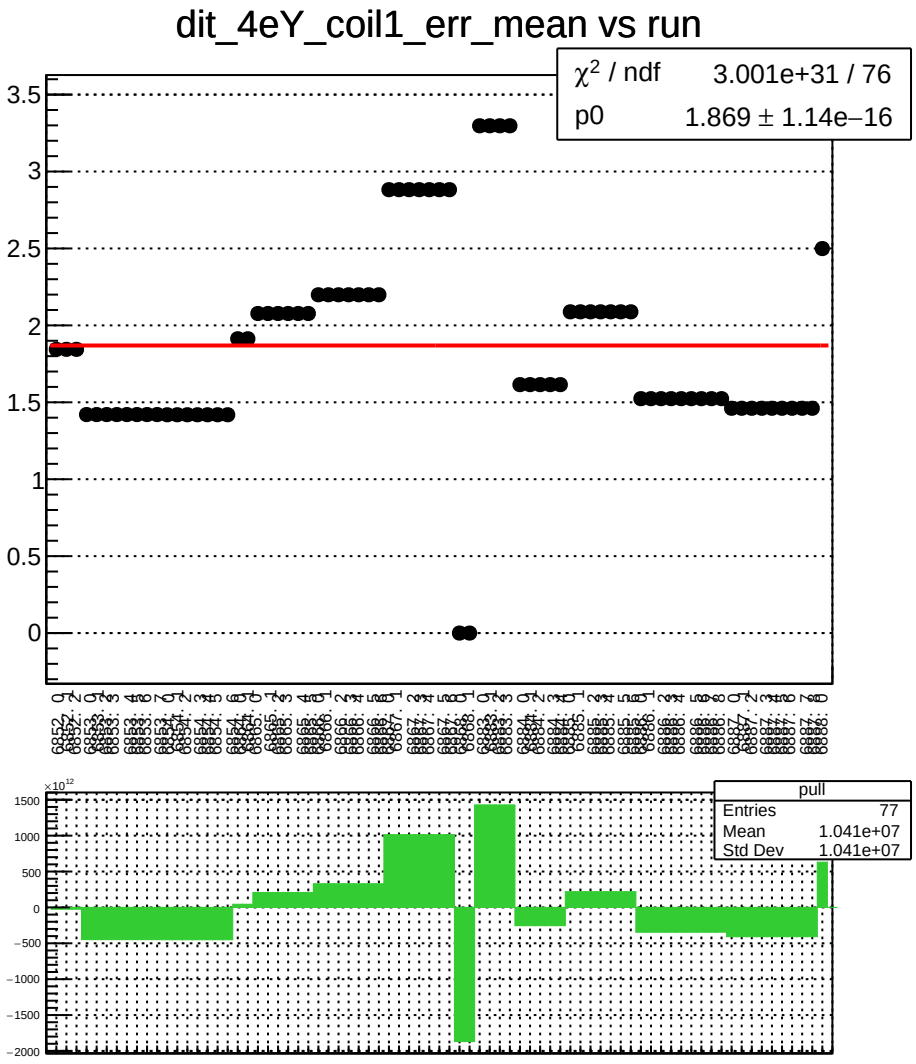


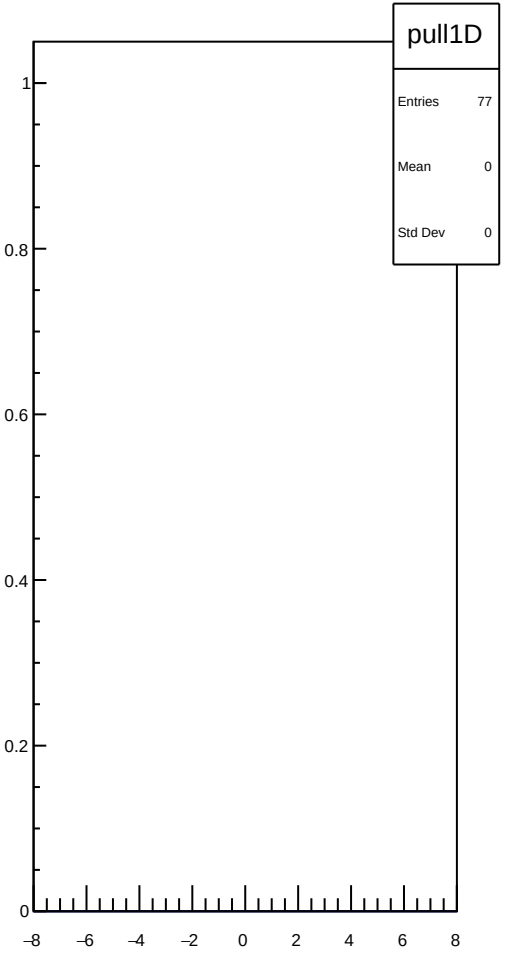
dit_4aY_coil1_Ndata_mean vs run



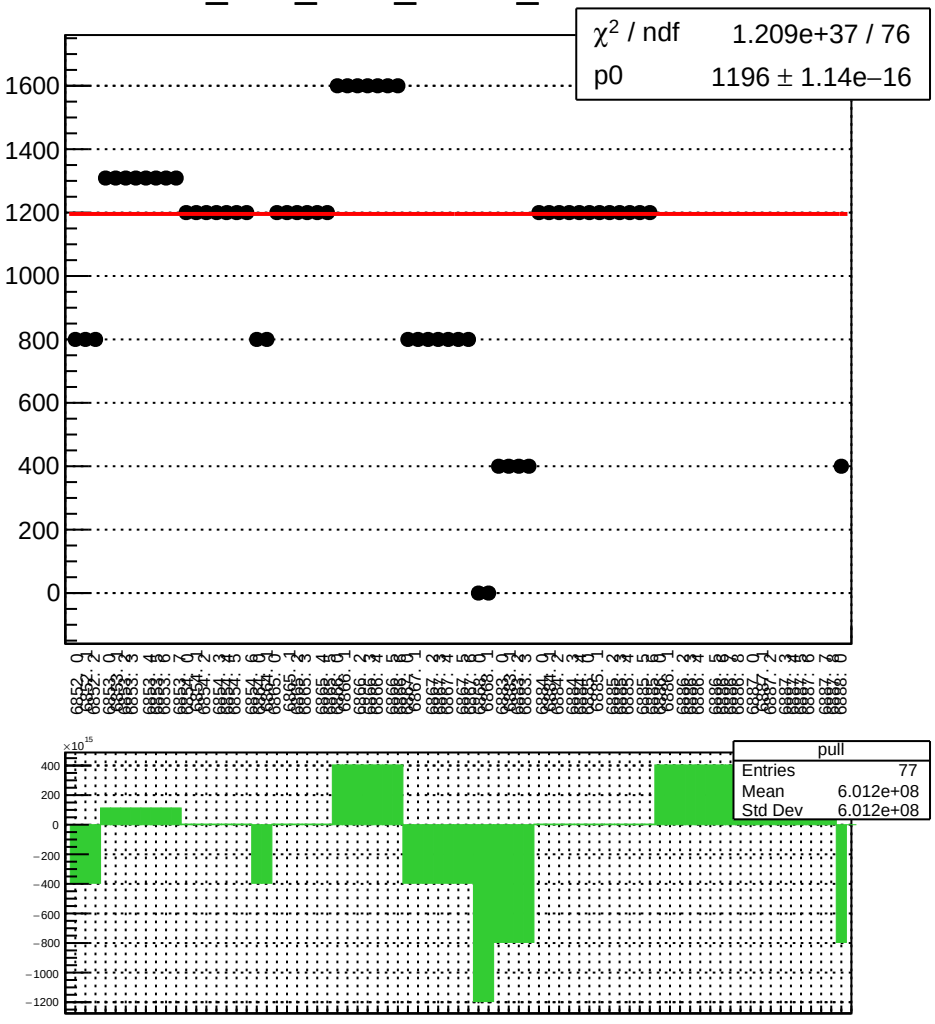


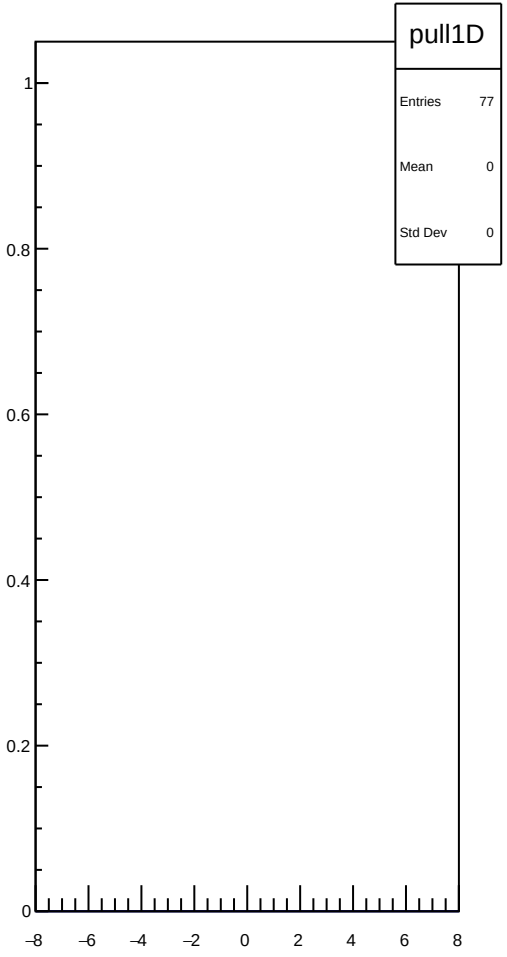

dit_4eY_coil1_mean vs run
χ² / ndf 2.873e+32 / 76
p0 4.363 ± 1.14e−16
pull
Entries 77
Mean −2.115e+09
Std Dev 2.115e+09
pull1D
Entries 77
Mean 0
Std Dev 0

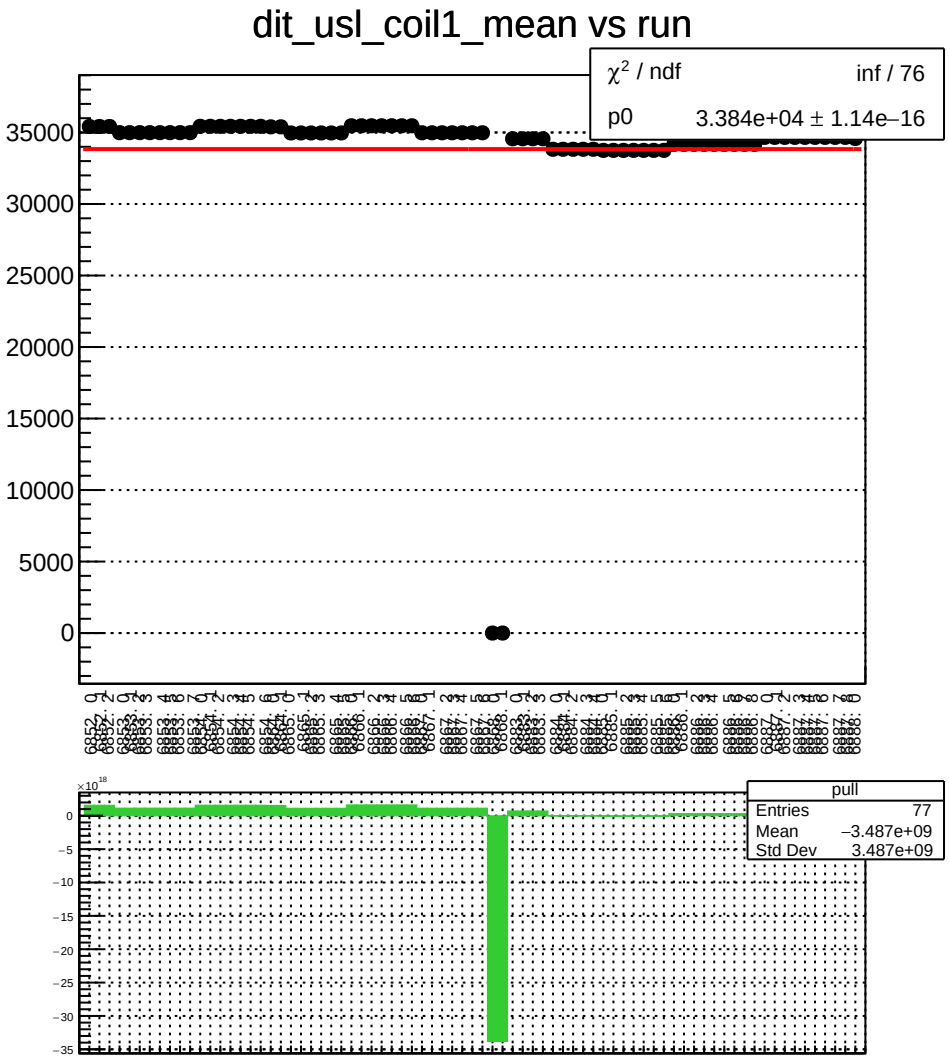

dit_4eY_coil1_err_mean vs run
χ² / ndf 3.001e+31 / 76
p0 1.869 ± 1.14e−16
pull
Entries 77
Mean 1.041e+07
Std Dev 1.041e+07

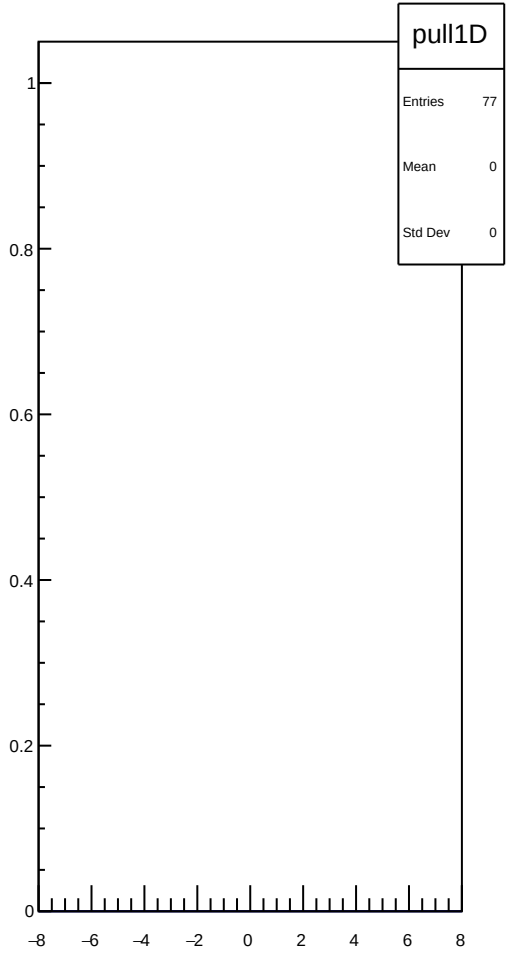

pull1D
Entries 77
Mean 0
Std Dev 0

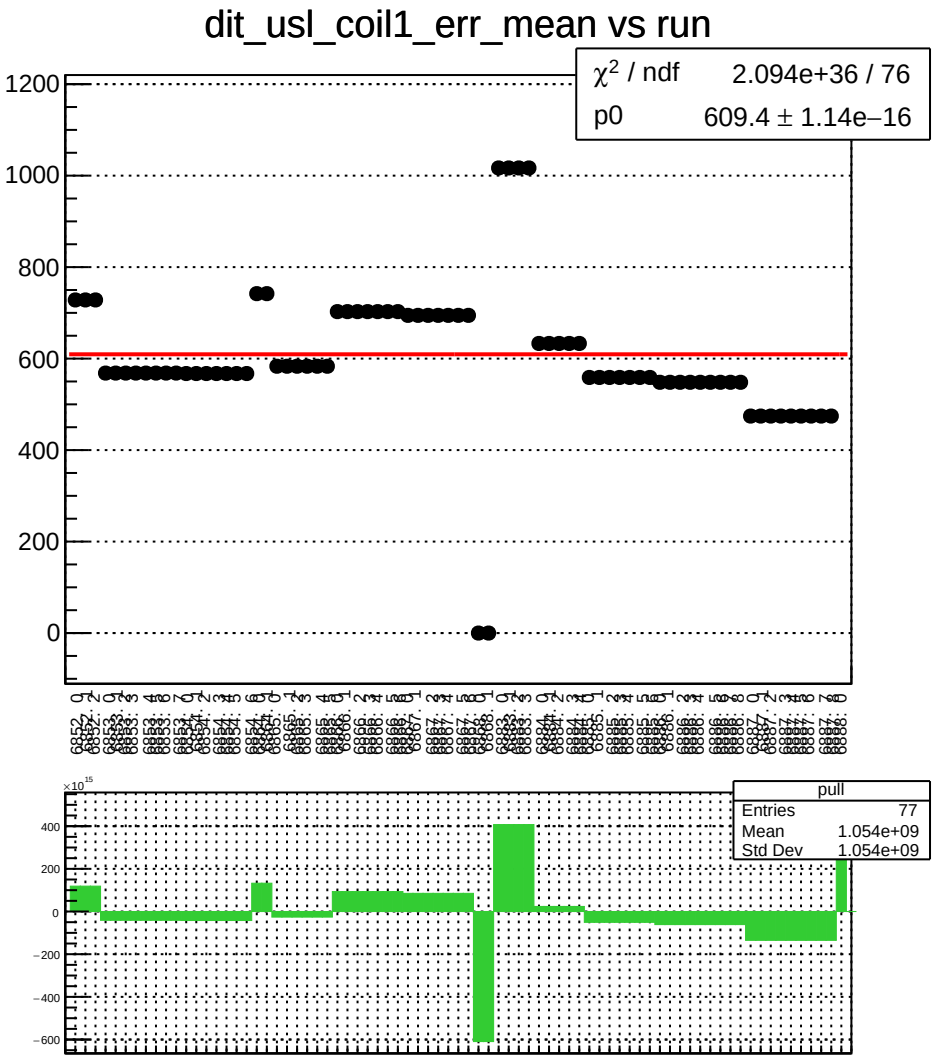
dit_4eY_coil1_Ndata_mean vs run

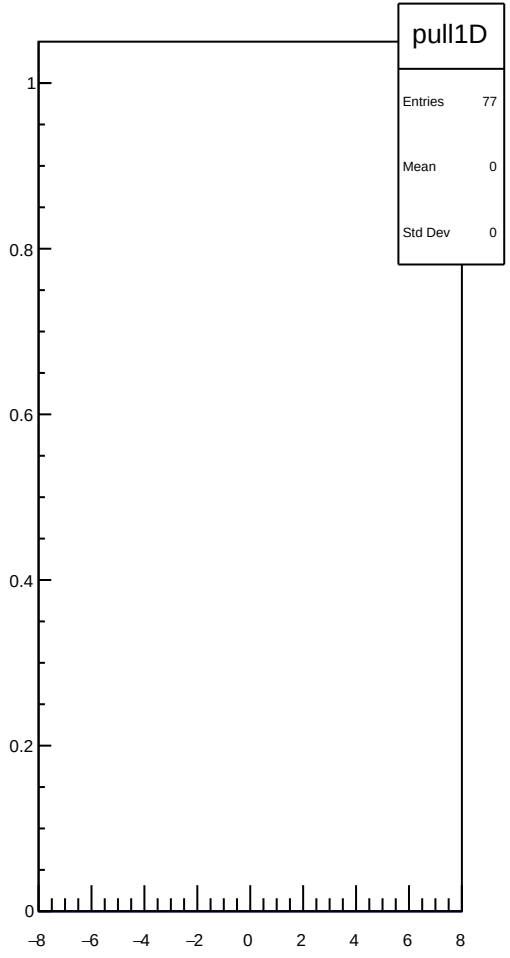


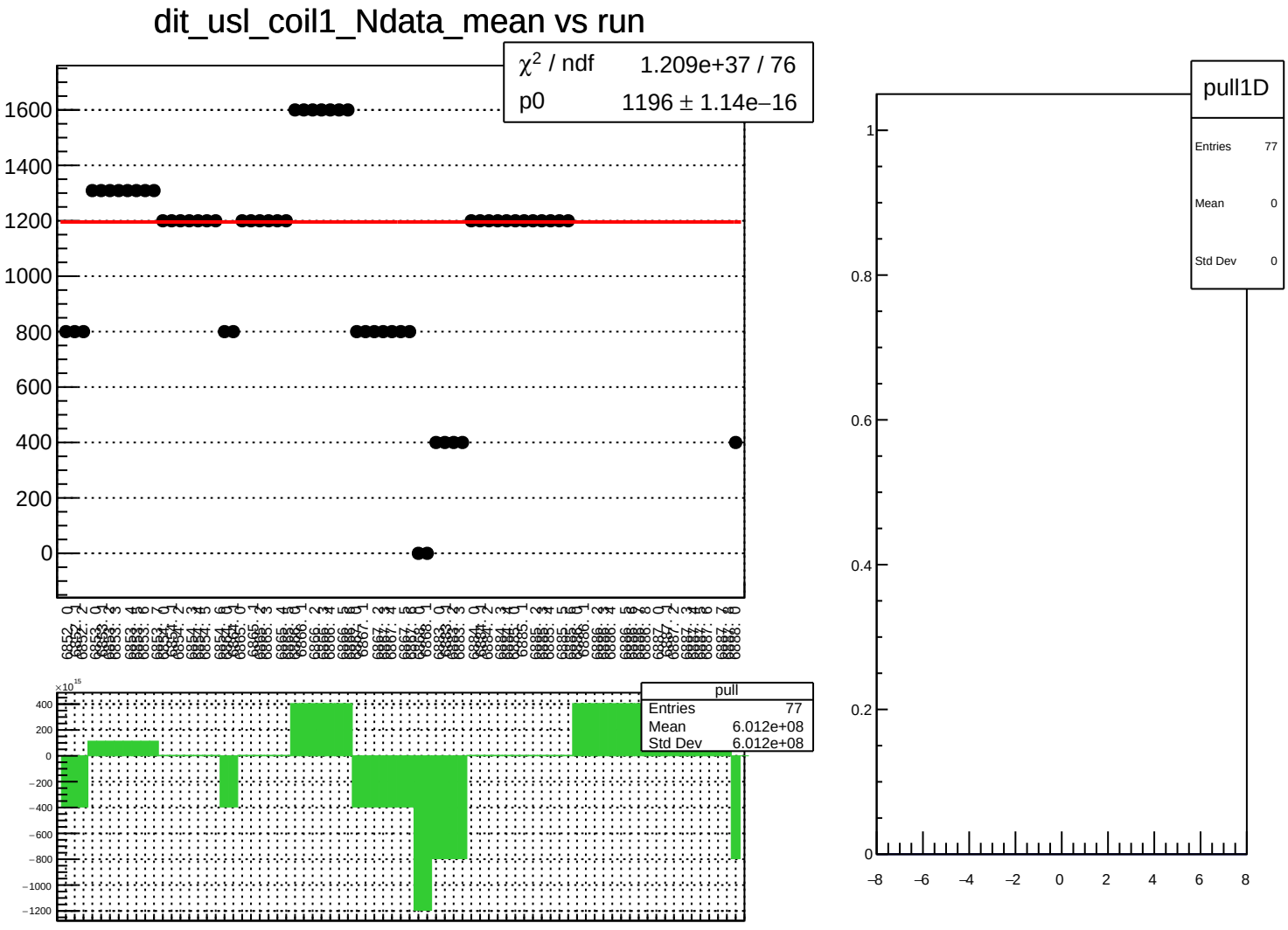


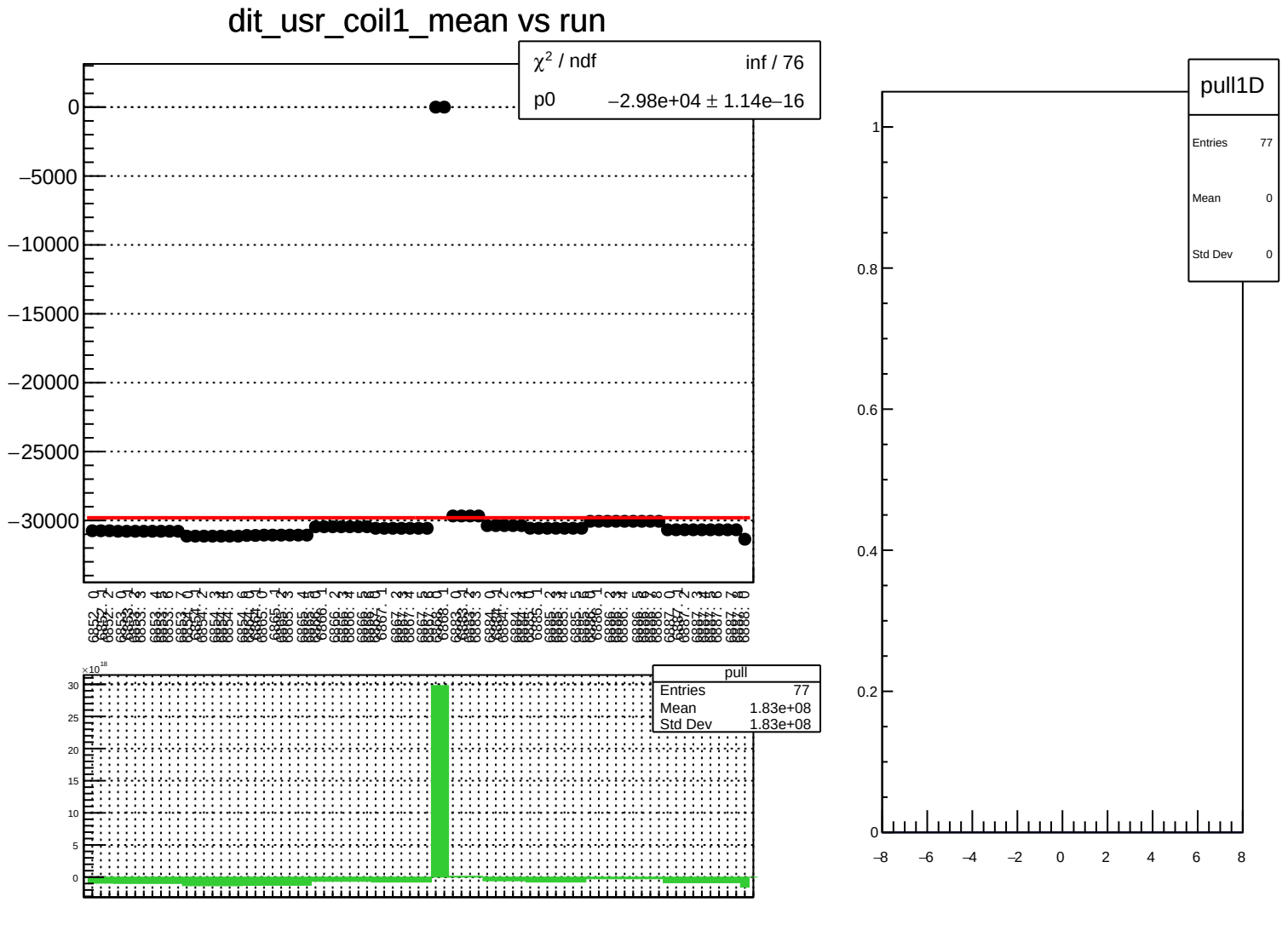

dit_usl_coil1_mean vs run
χ² / ndf inf / 76
p0 3.384e+04 ± 1.14e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 77
Mean −3.487e+09
Std Dev 3.487e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30
−35

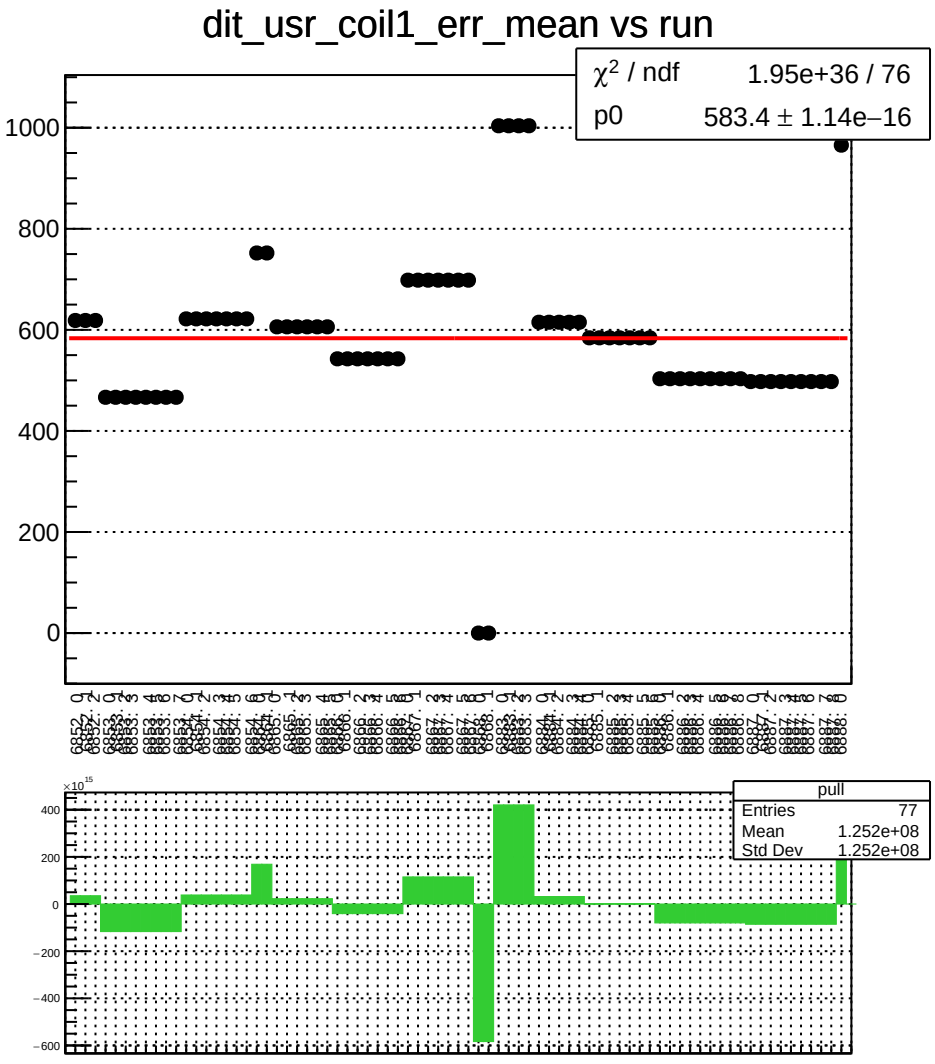

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

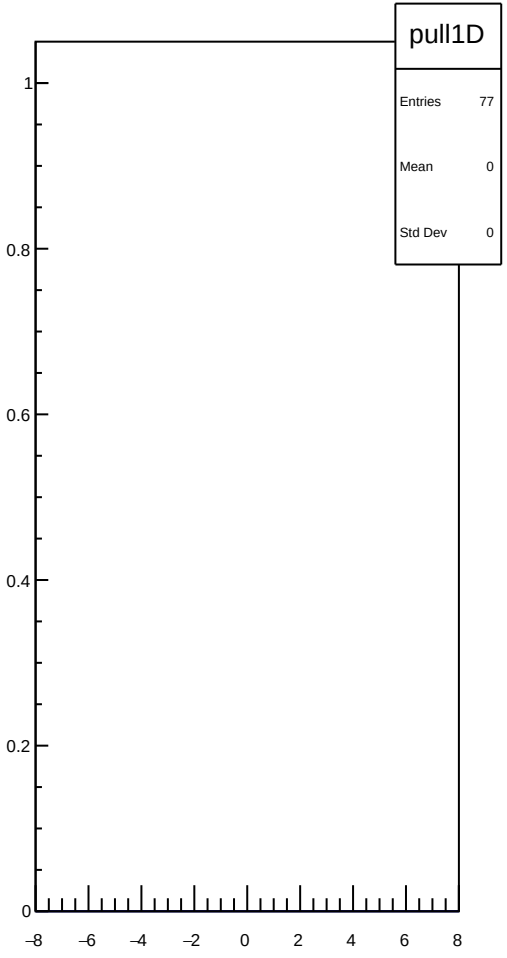

dit_usl_coil1_err_mean vs run
χ² / ndf 2.094e+36 / 76
p0 609.4 ± 1.14e−16
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 1.054e+09
Std Dev 1.054e+09
×10¹⁵
400
200
0
−200
−400
−600

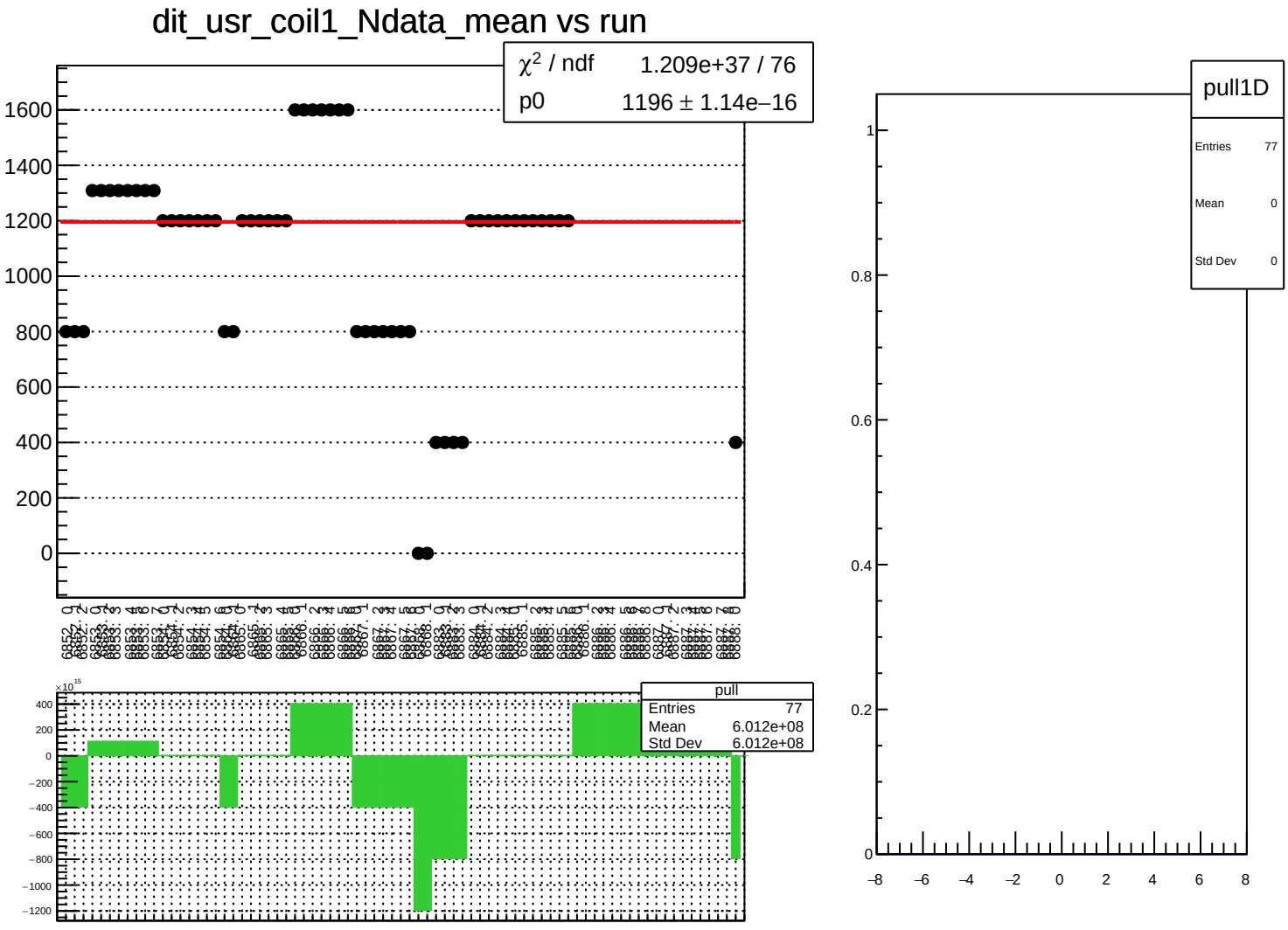

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

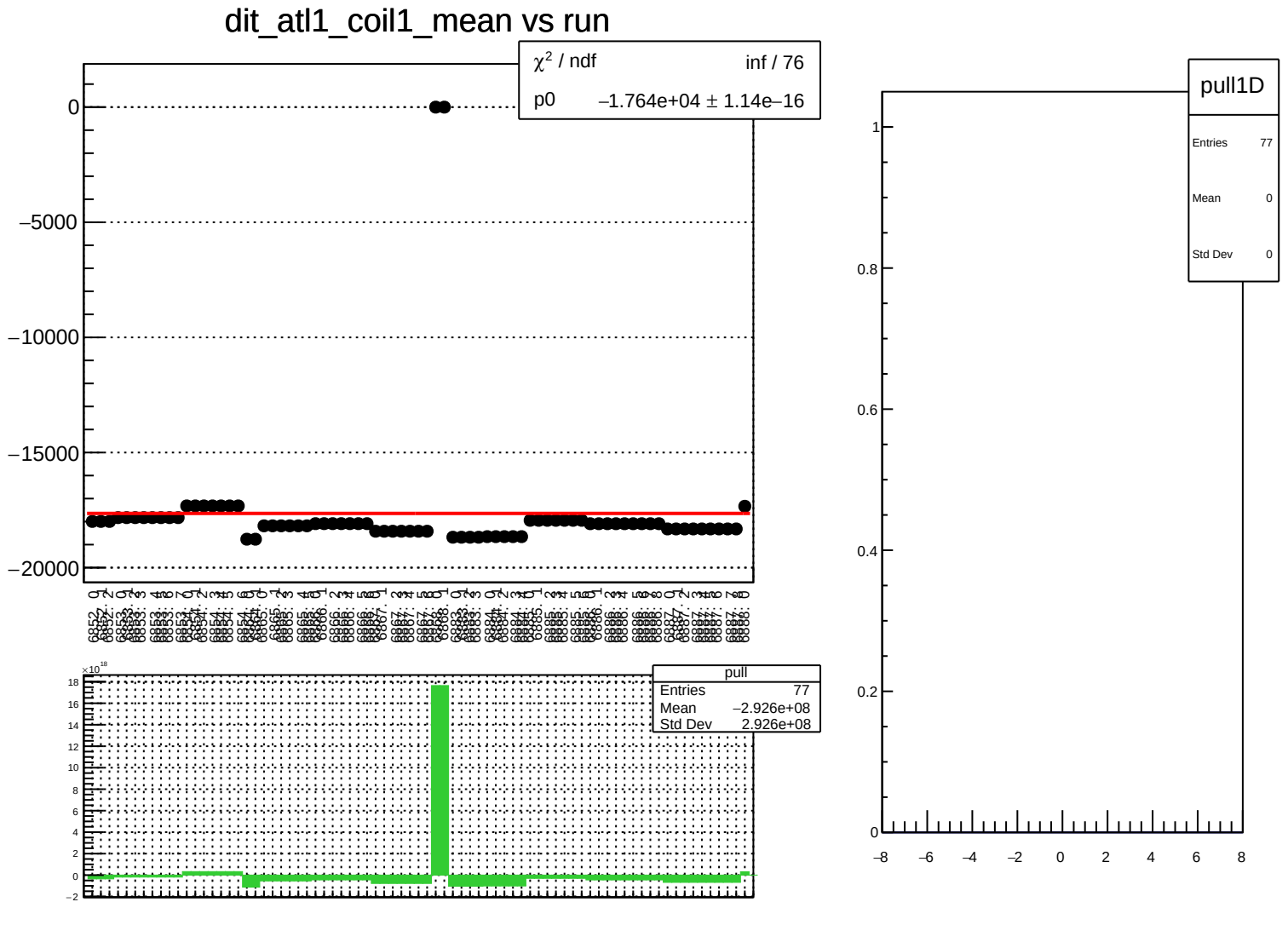

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
pull1D
Entries 77
Mean 0
Std Dev 0

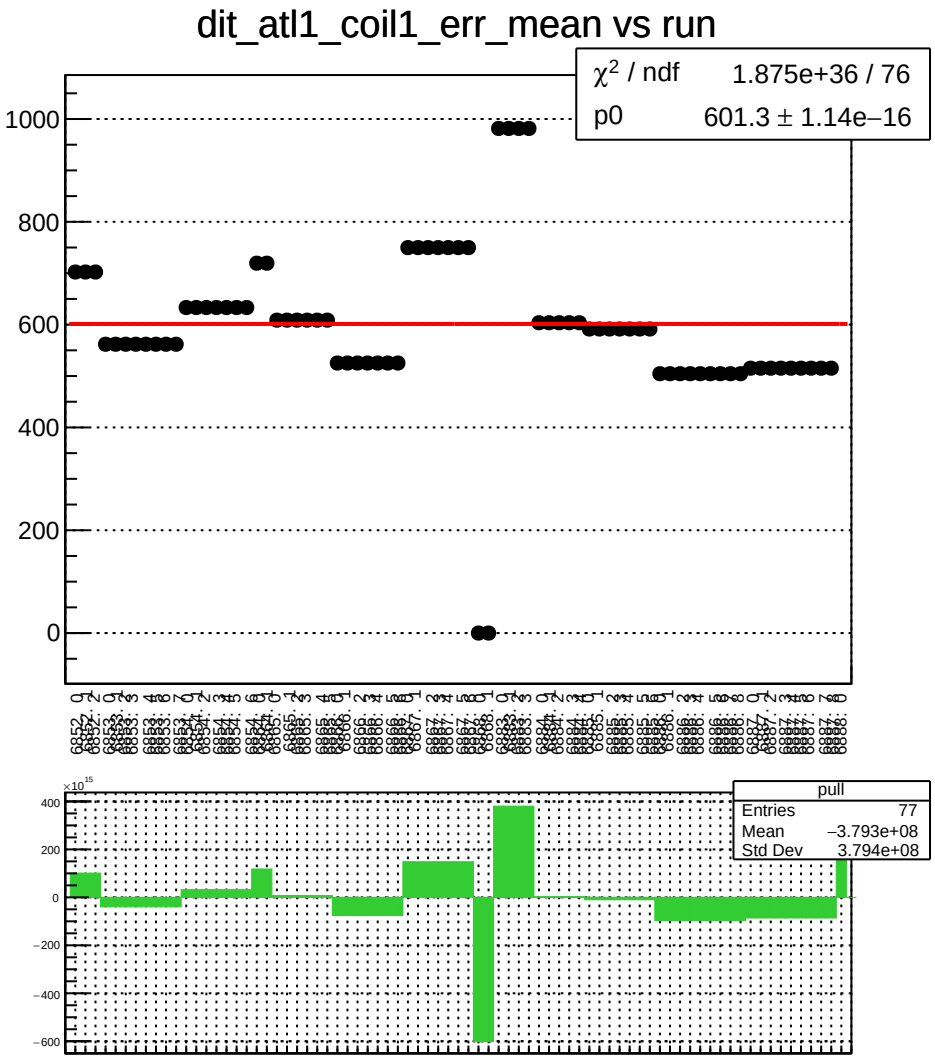

dit_usr_coil1_mean vs run
χ² / ndf inf / 76
p0 −2.98e+04 ± 1.14e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 77
Mean 1.83e+08
Std Dev 1.83e+08
×10¹⁸
30
25
20
15
10
5
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

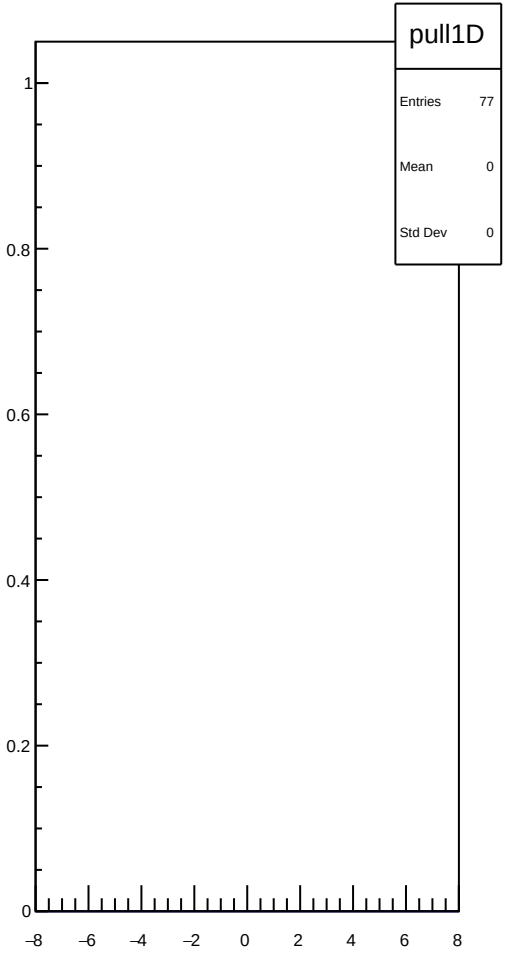

dit_usr_coil1_err_mean vs run
χ² / ndf 1.95e+36 / 76
p0 583.4 ± 1.14e−16
1000
800
600
400
200
0
pull
Entries 77
Mean 1.252e+08
Std Dev 1.252e+08
×10^15
400
200
0
−200
−400
−600

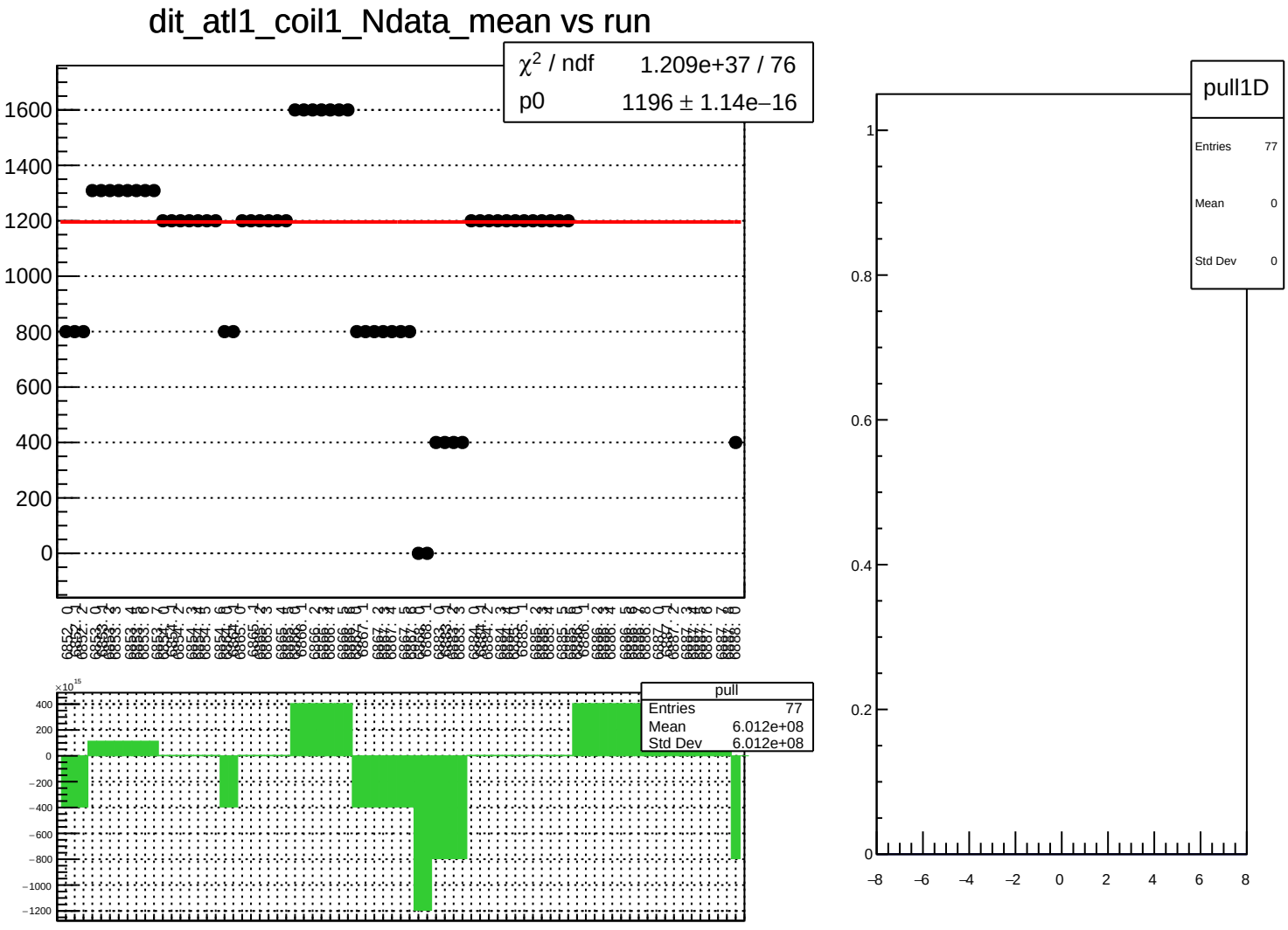

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

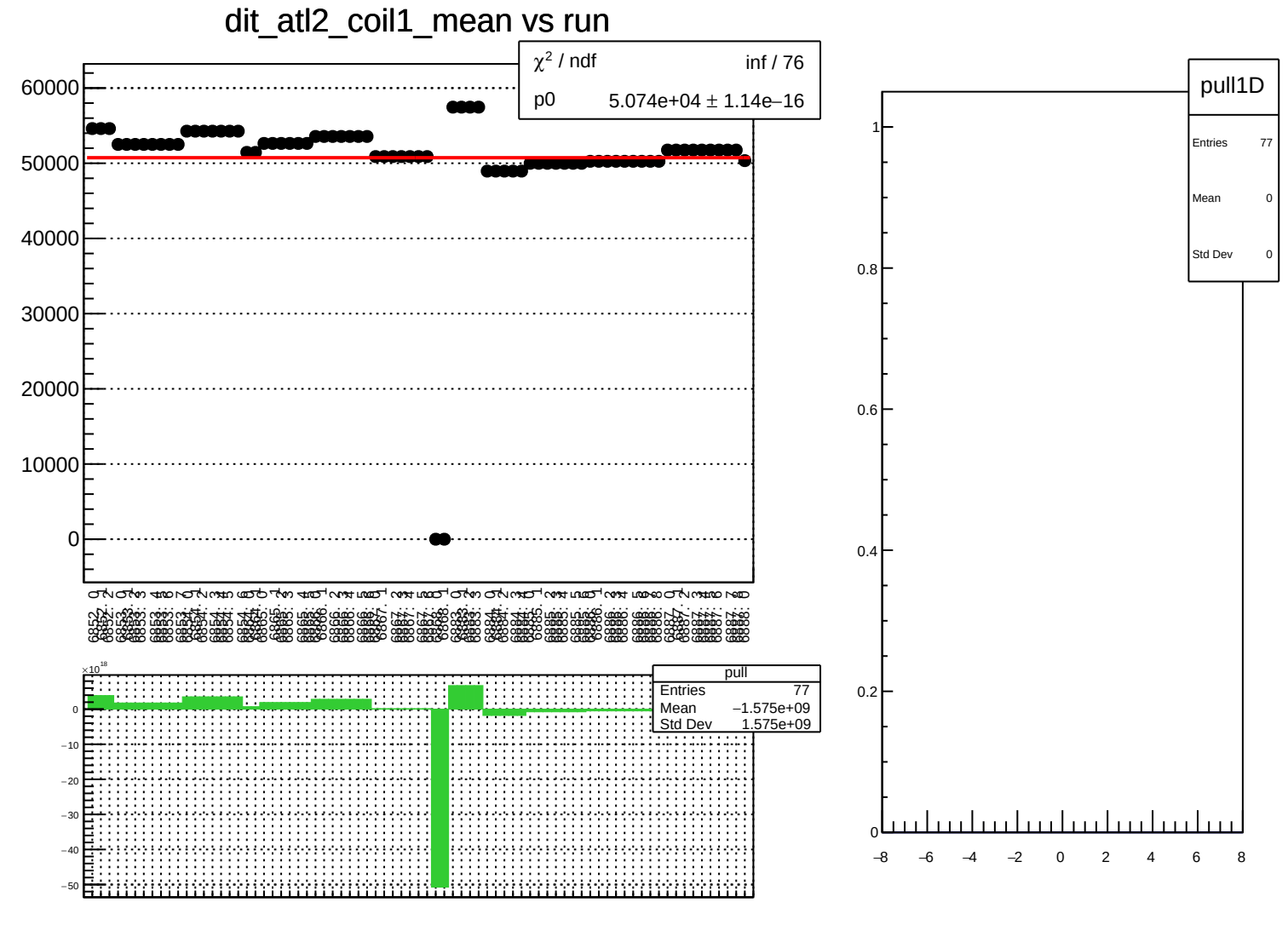

dit_usr_coil1_Ndata_mean vs run
χ^2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

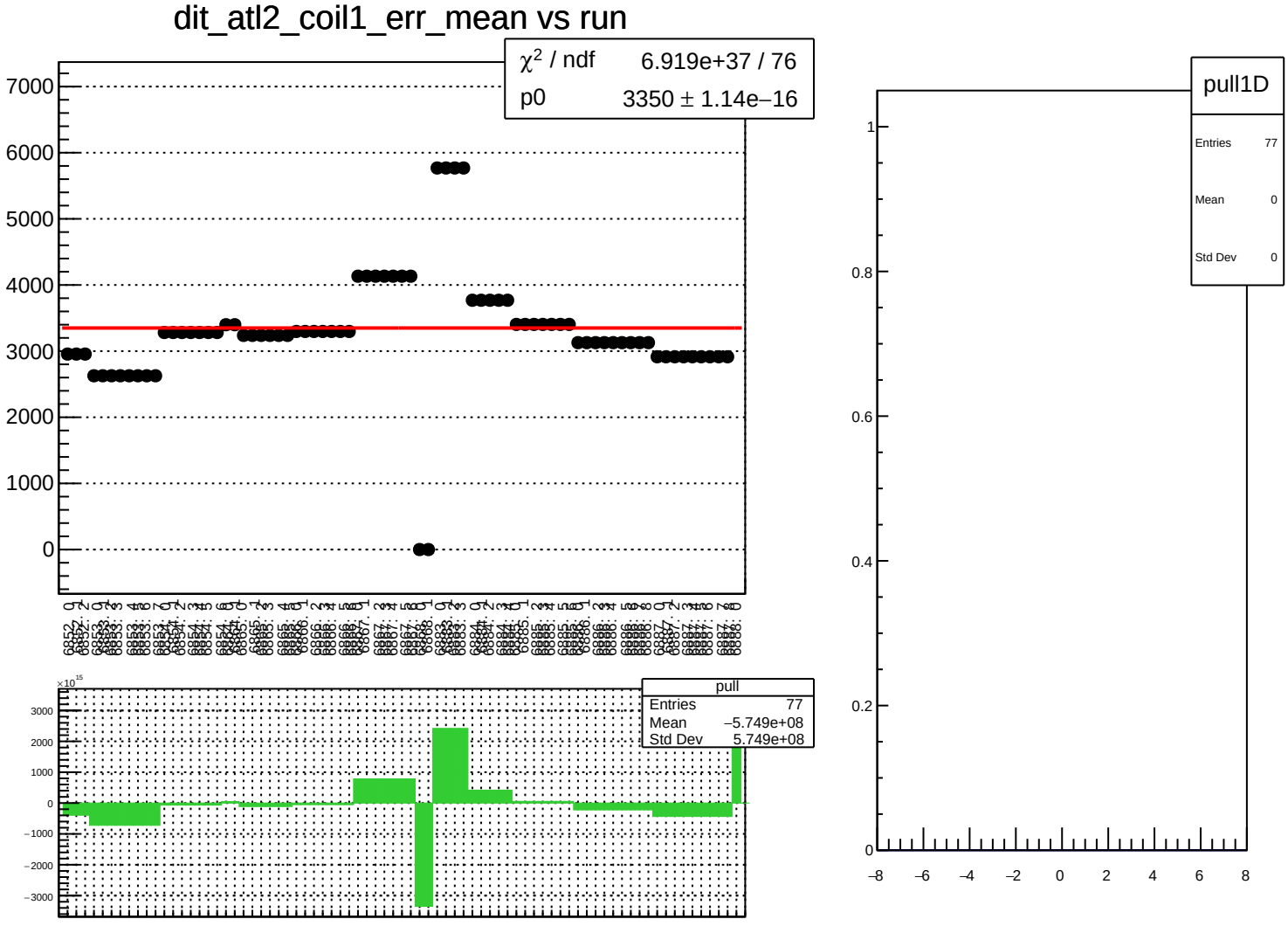

dit_atl1_coil1_mean vs run
χ² / ndf inf / 76
p0 −1.764e+04 ± 1.14e−16
0
−5000
−10000
−15000
−20000
pull
Entries 77
Mean −2.926e+08
Std Dev 2.926e+08
×10¹⁸
18
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

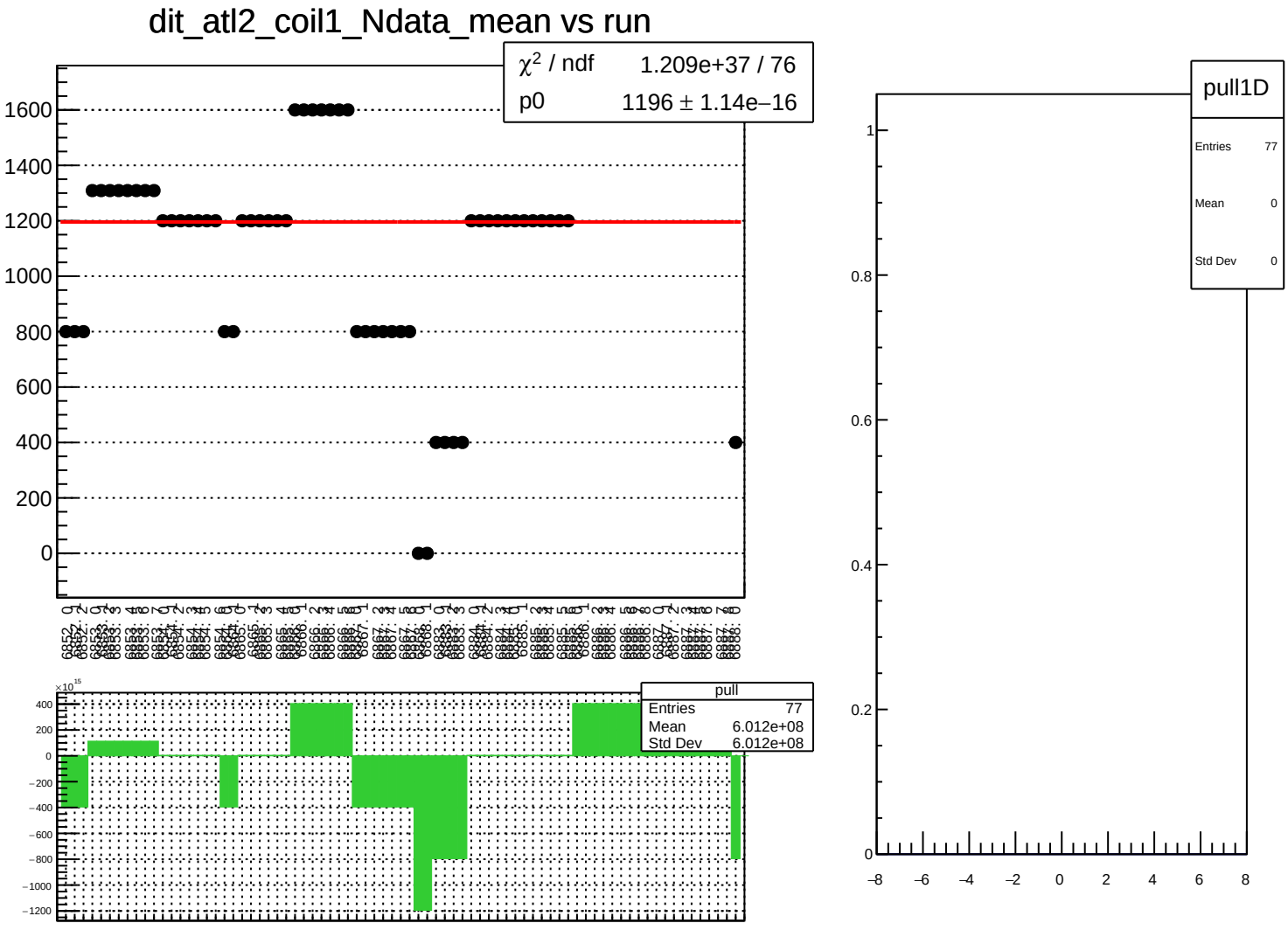

dit_atl1_coil1_err_mean vs run
χ² / ndf 1.875e+36 / 76
p0 601.3 ± 1.14e−16
1000
800
600
400
200
0
pull
Entries 77
Mean −3.793e+08
Std Dev 3.794e+08
×10¹⁵
400
200
0
−200
−400
−600

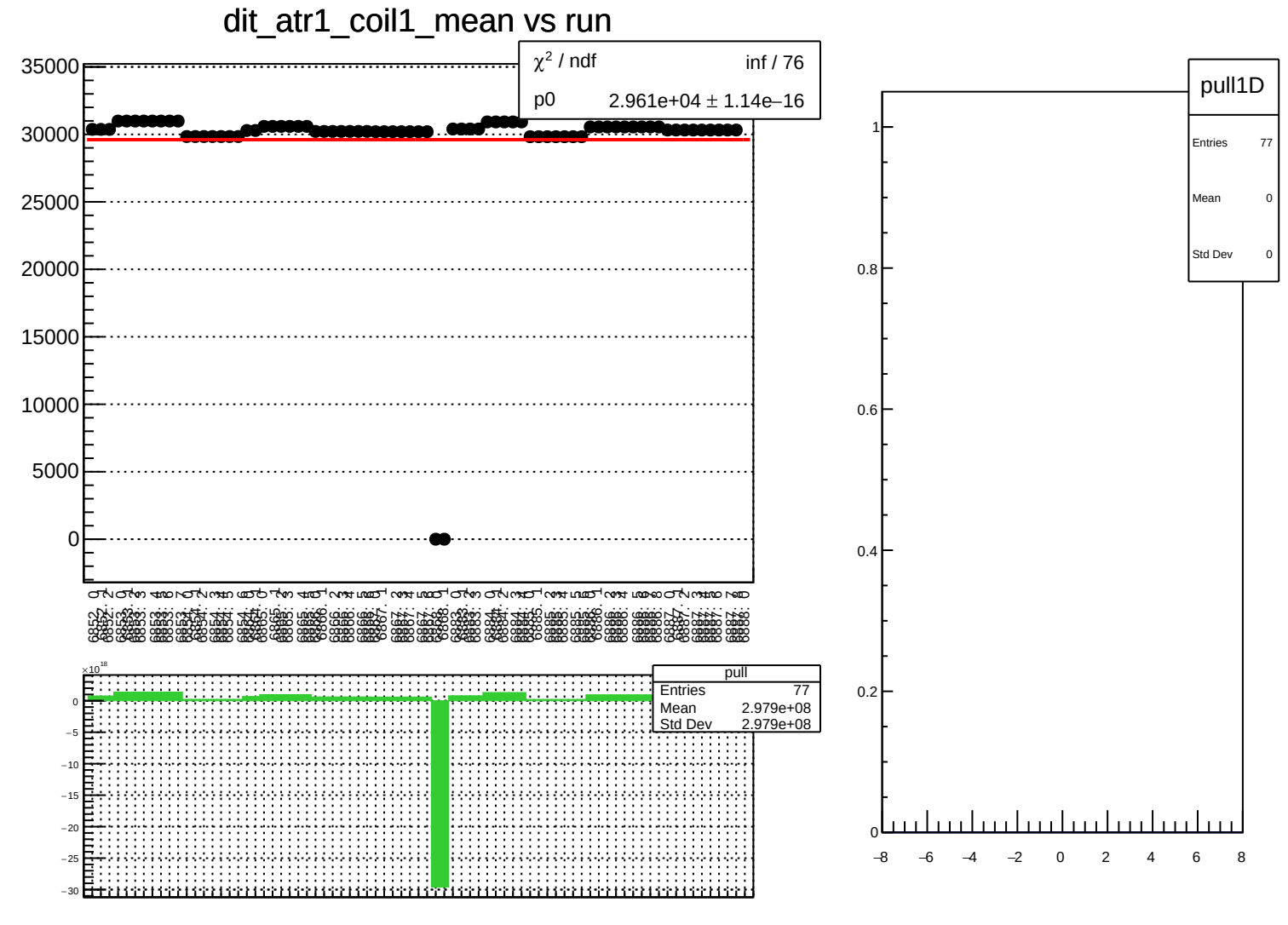

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

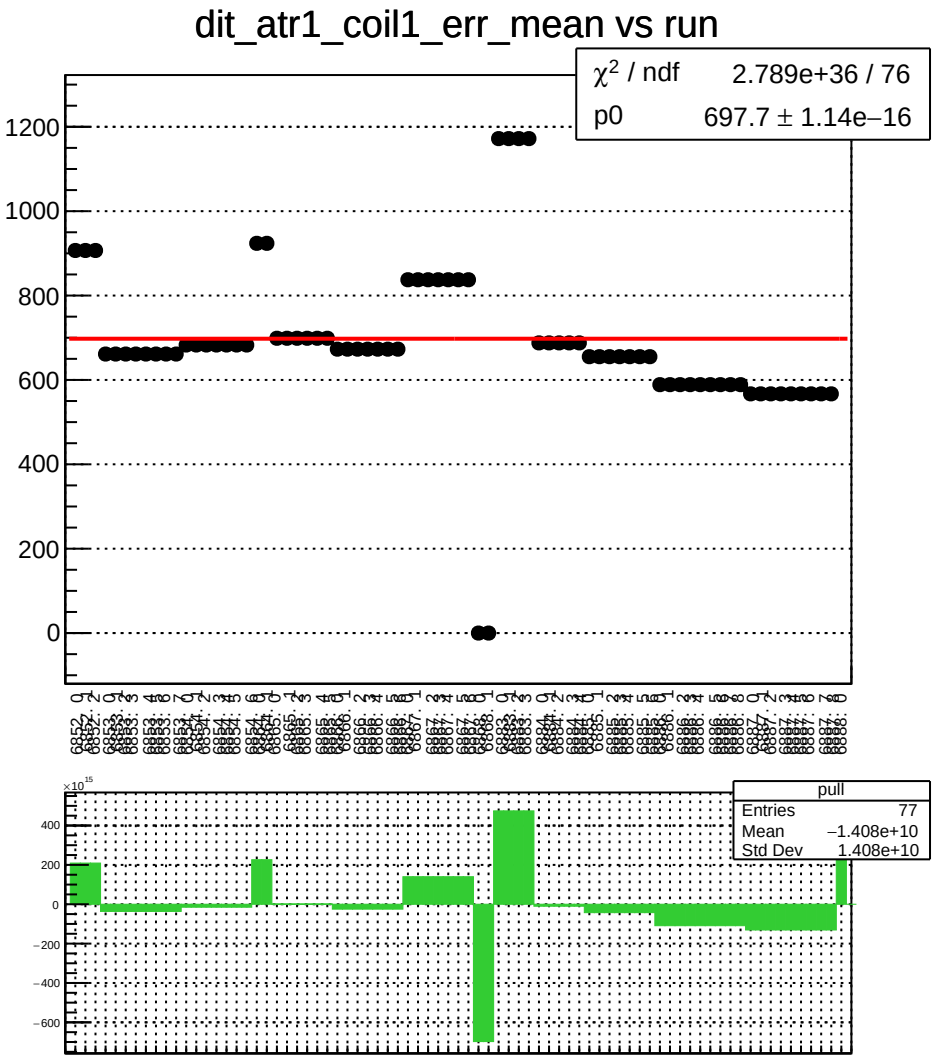

dit_atl1_coil1_Ndata_mean vs run
χ2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
pull1D
Entries 77
Mean 0
Std Dev 0

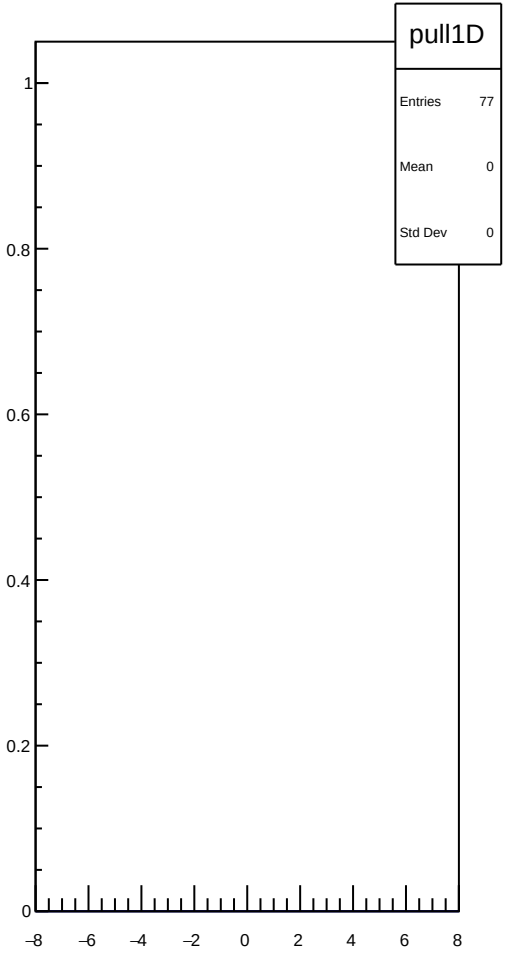

dit_atl2_coil1_mean vs run
χ² / ndf inf / 76
p0 5.074e+04 ± 1.14e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 77
Mean −1.575e+09
Std Dev 1.575e+09
×10¹⁸
0
−10
−20
−30
−40
−50
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

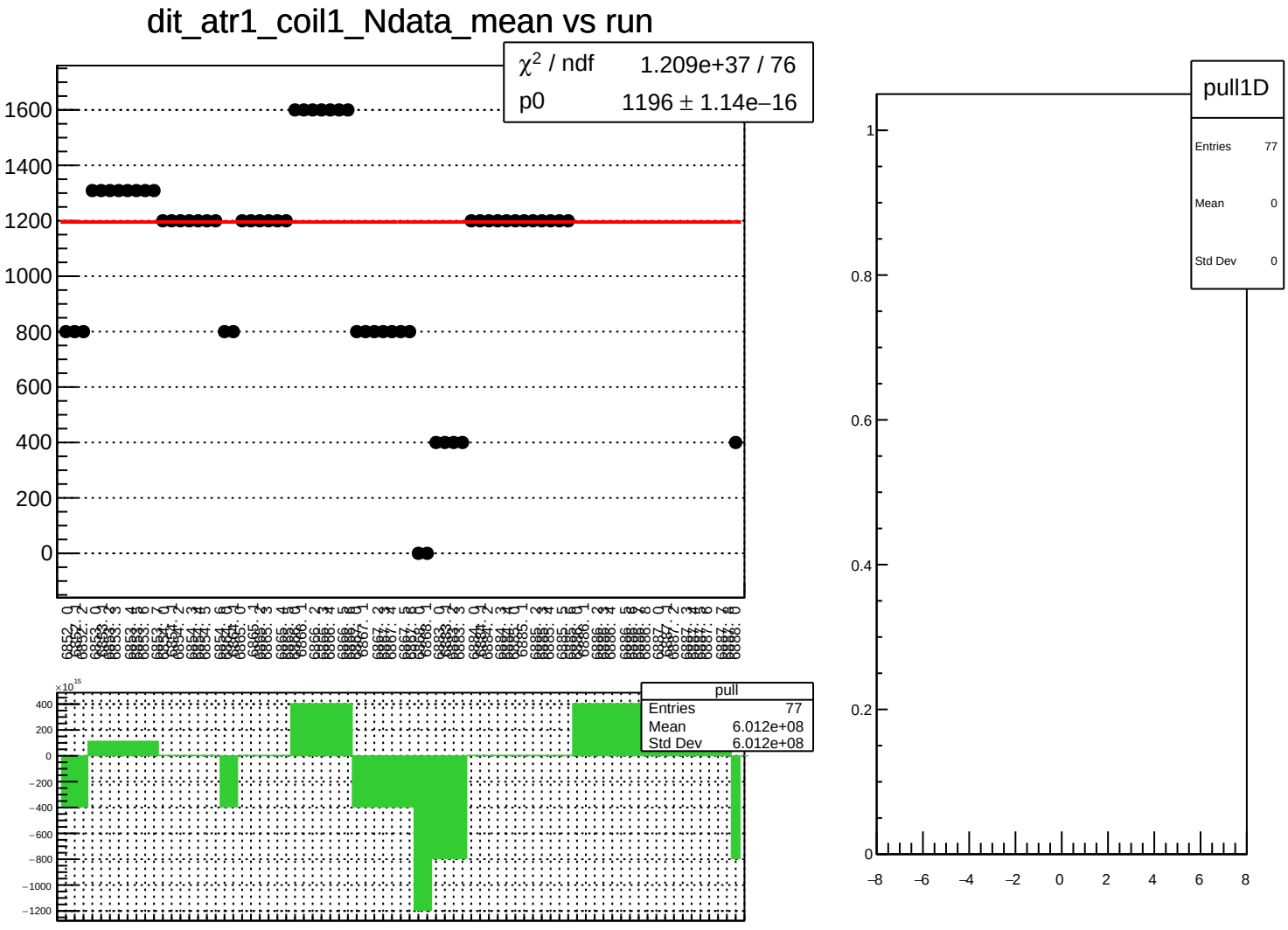

dit_atl2_coil1_err_mean vs run
χ² / ndf 6.919e+37 / 76
p0 3350 ± 1.14e−16
pull
Entries 77
Mean −5.749e+08
Std Dev 5.749e+08
pull1D
Entries 77
Mean 0
Std Dev 0

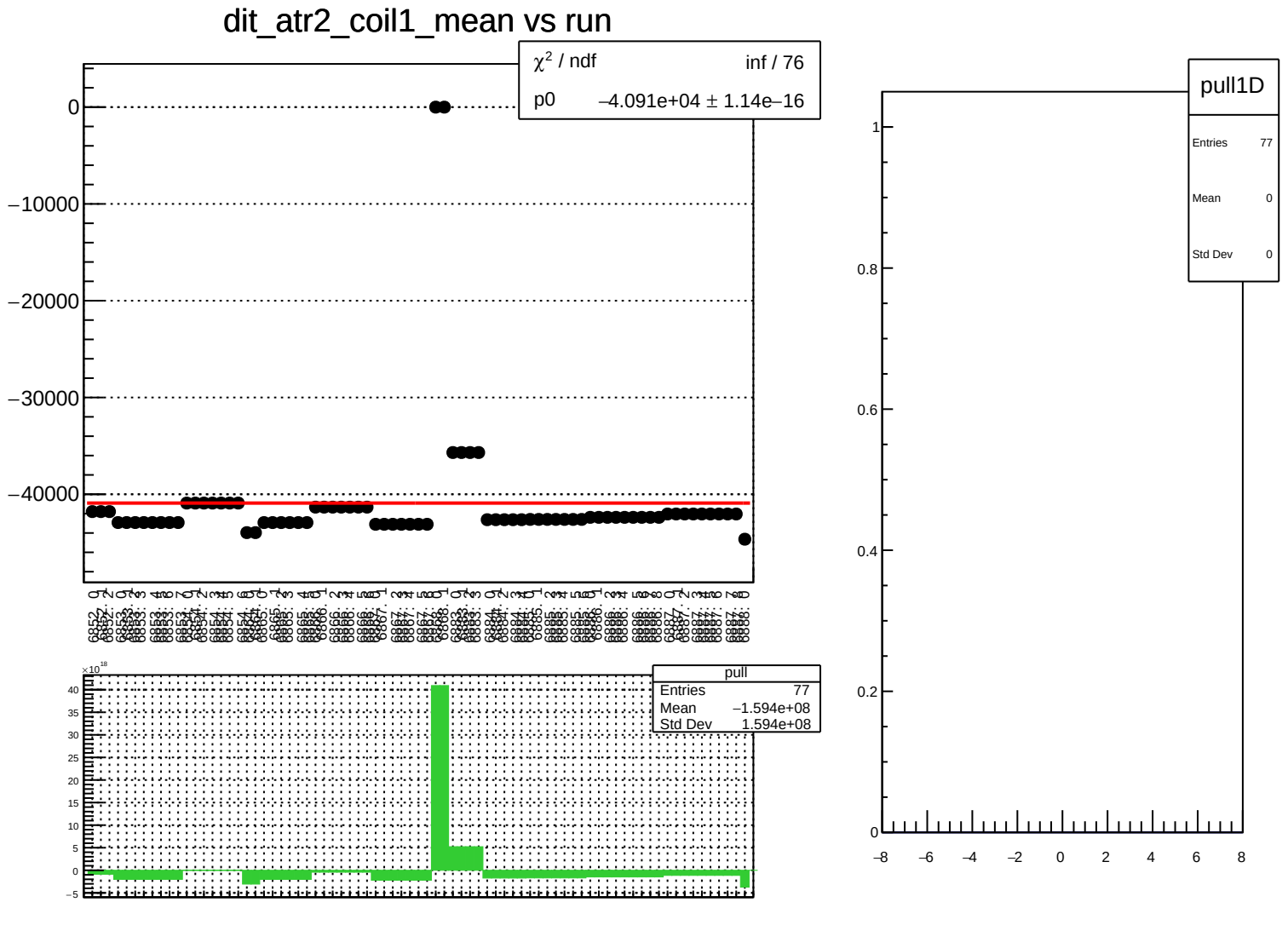

dit_atl2_coil1_Ndata_mean vs run
χ^2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
pull1D
Entries 77
Mean 0
Std Dev 0

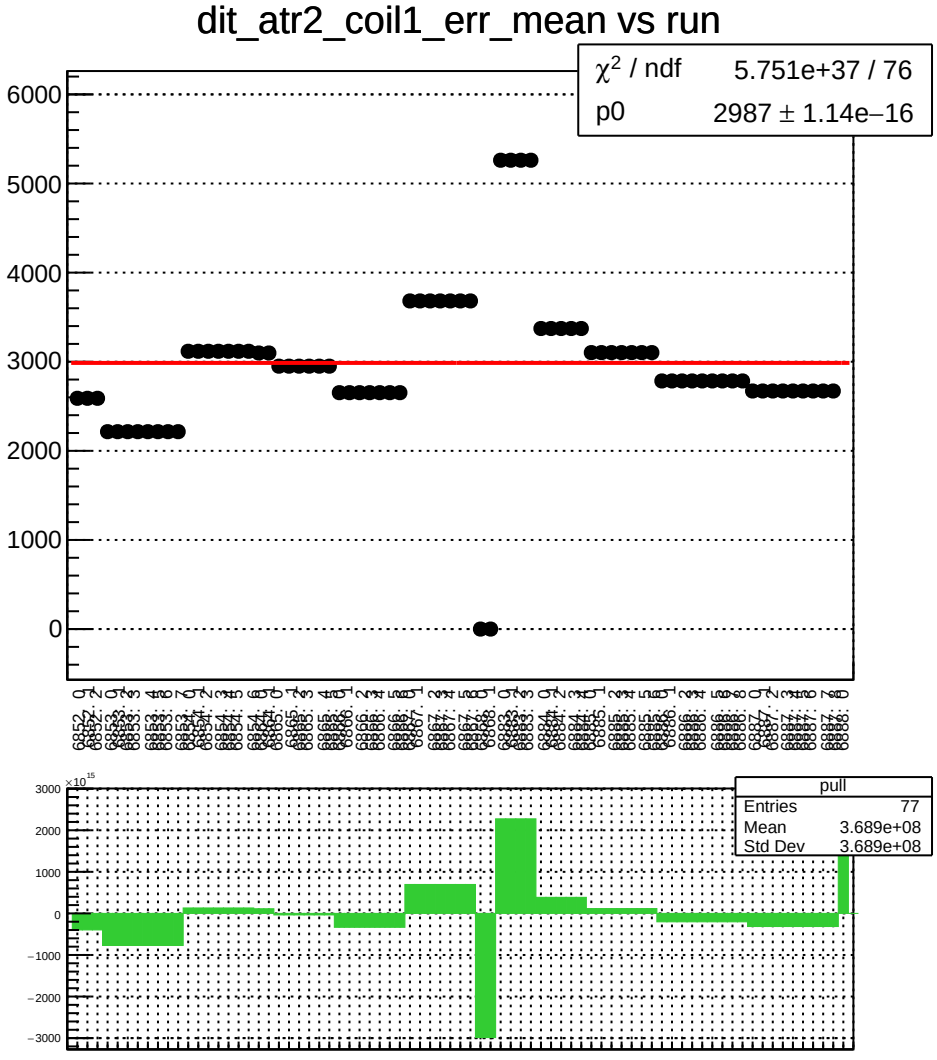

dit_atr1_coil1_mean vs run
χ² / ndf inf / 76
p0 2.961e+04 ± 1.14e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 77
Mean 2.979e+08
Std Dev 2.979e+08
×10¹⁸
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

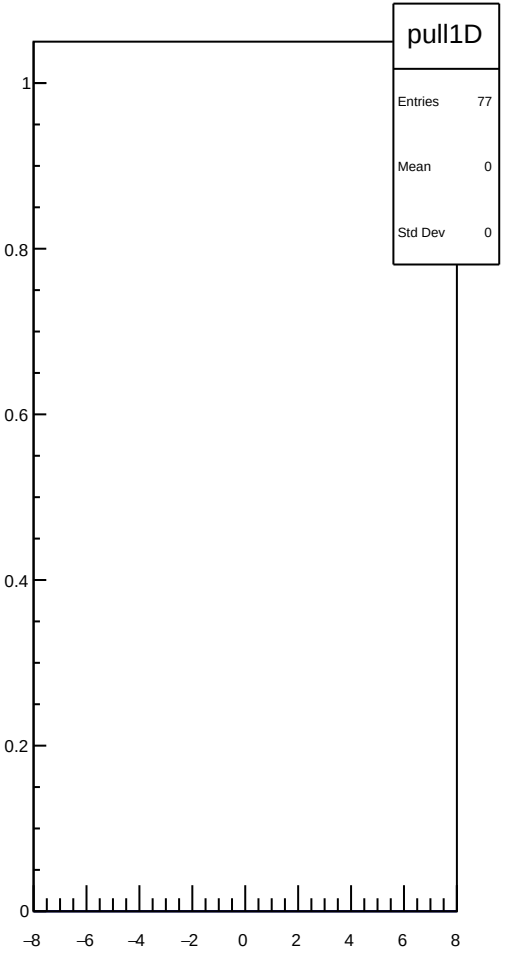

dit_atr1_coil1_err_mean vs run
χ² / ndf 2.789e+36 / 76
p0 697.7 ± 1.14e−16
1200
1000
800
600
400
200
0
pull
Entries 77
Mean −1.408e+10
Std Dev 1.408e+10
400
200
0
−200
−400
−600


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

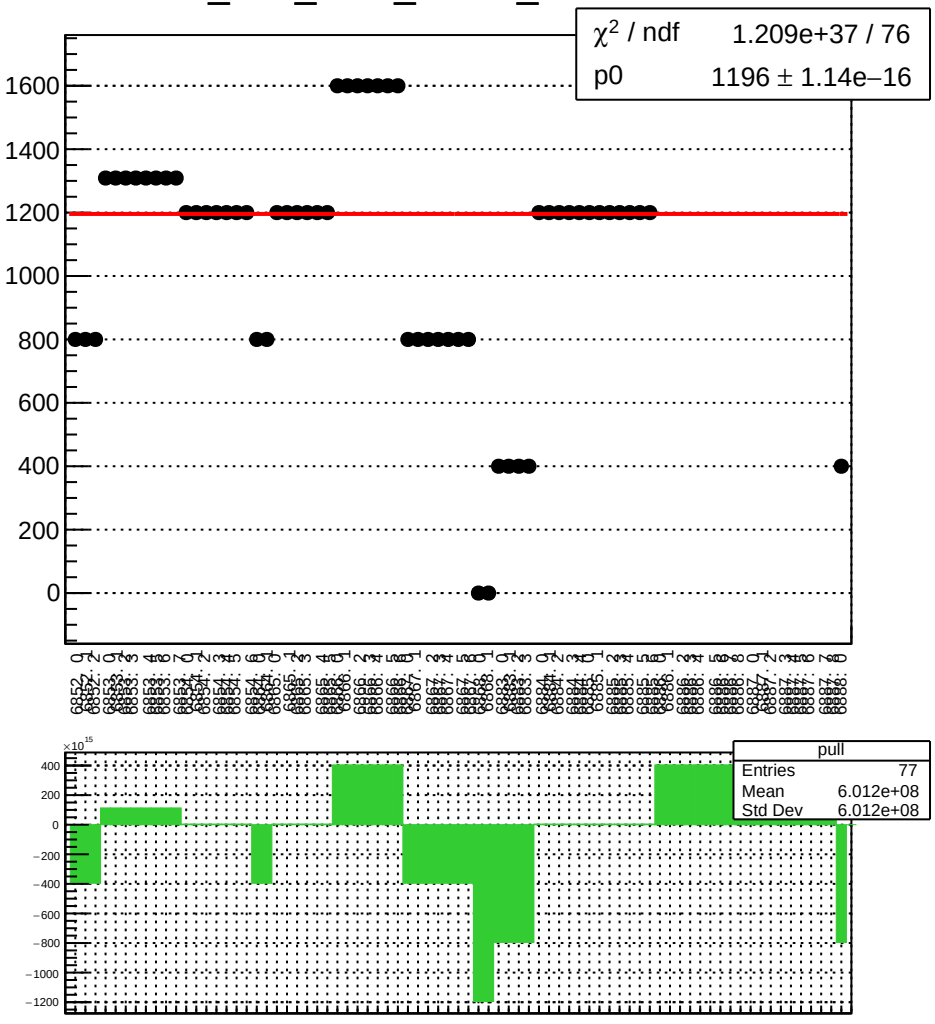

dit_atr1_coil1_Ndata_mean vs run
χ^2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
pull1D
Entries 77
Mean 0
Std Dev 0

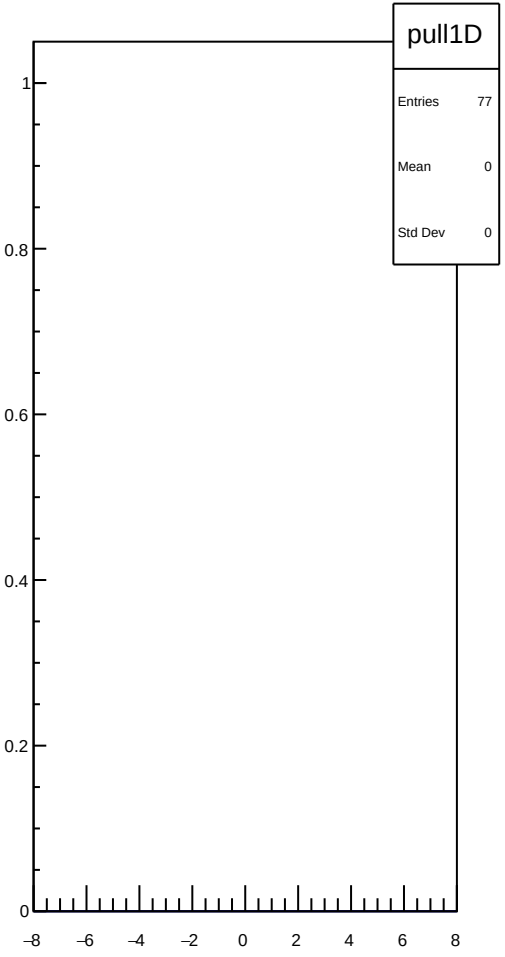

dit_atr2_coil1_mean vs run
χ² / ndf inf / 76
p0 −4.091e+04 ± 1.14e−16
0
−10000
−20000
−30000
−40000
pull
Entries 77
Mean −1.594e+08
Std Dev 1.594e+08
×10¹⁸
40
35
30
25
20
15
10
5
0
−5
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

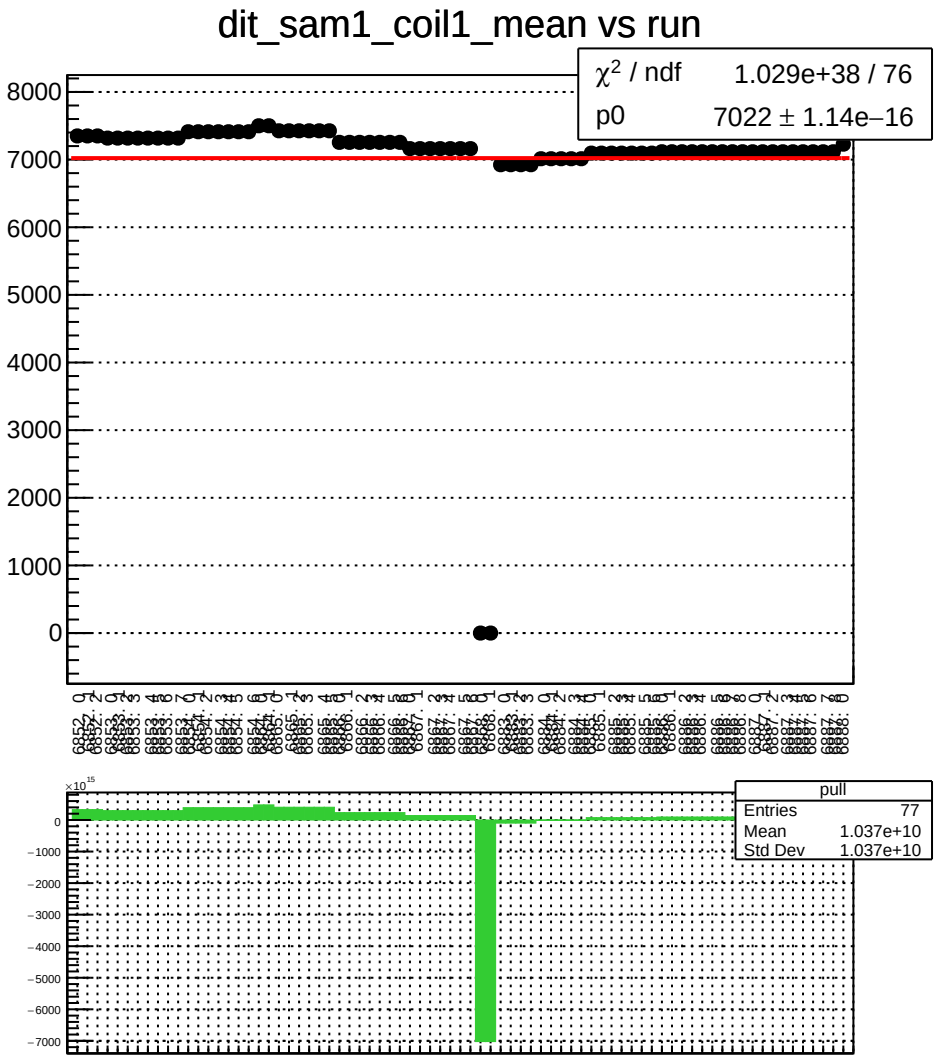

dit_atr2_coil1_err_mean vs run
χ² / ndf 5.751e+37 / 76
p0 2987 ± 1.14e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean 3.689e+08
Std Dev 3.689e+08
3000
2000
1000
0
−1000
−2000
−3000

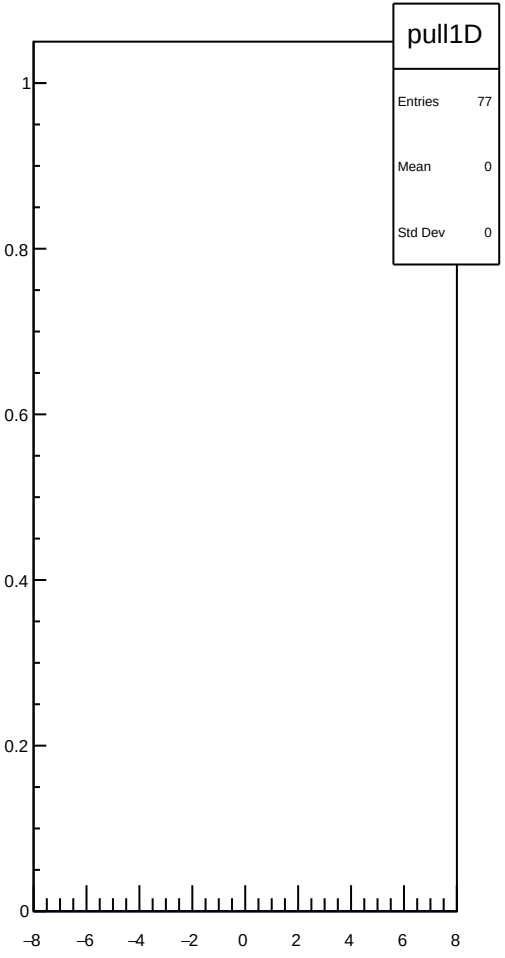

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

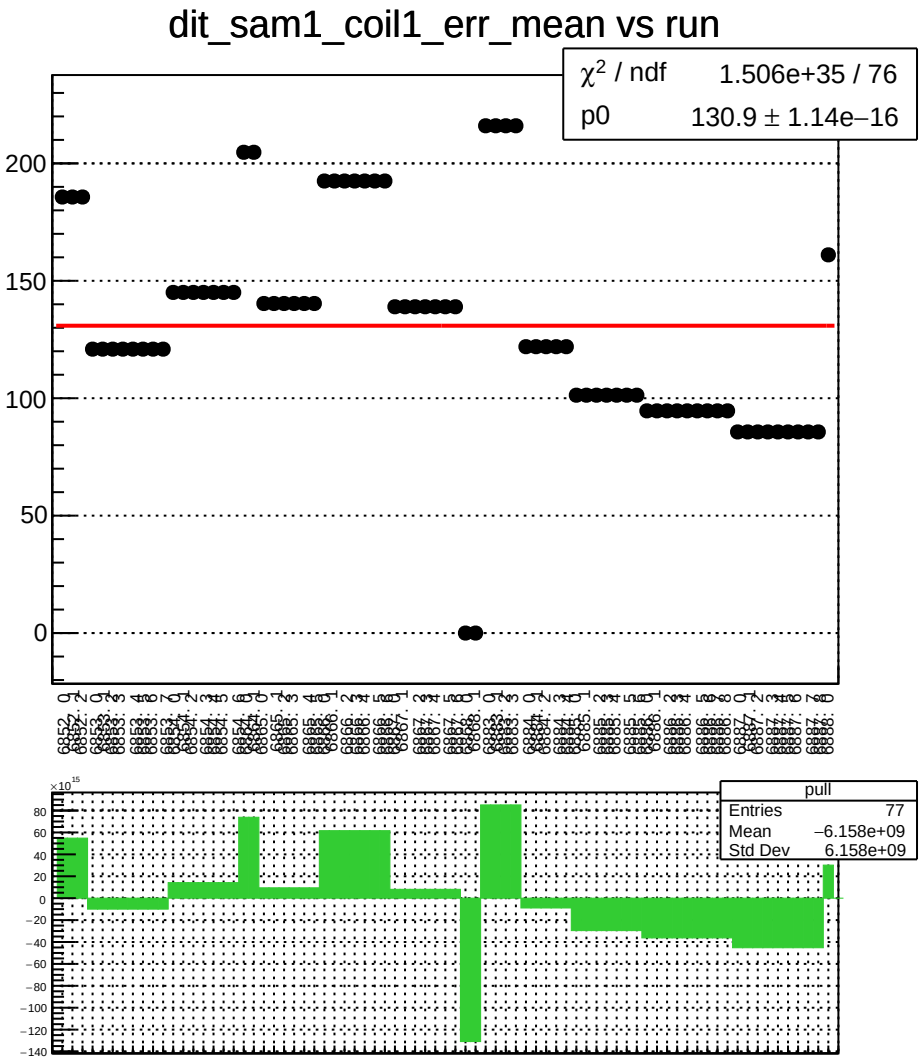
dit_atr2_coil1_Ndata_mean vs run

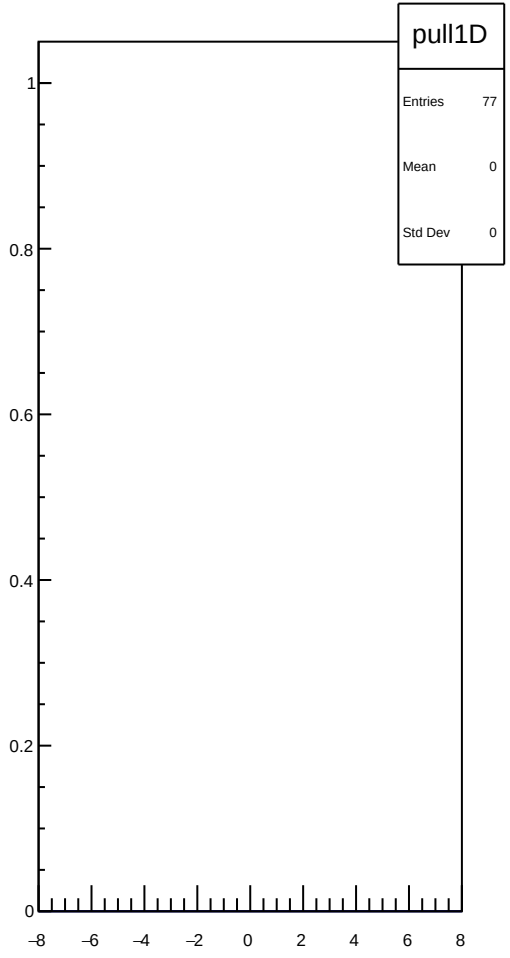


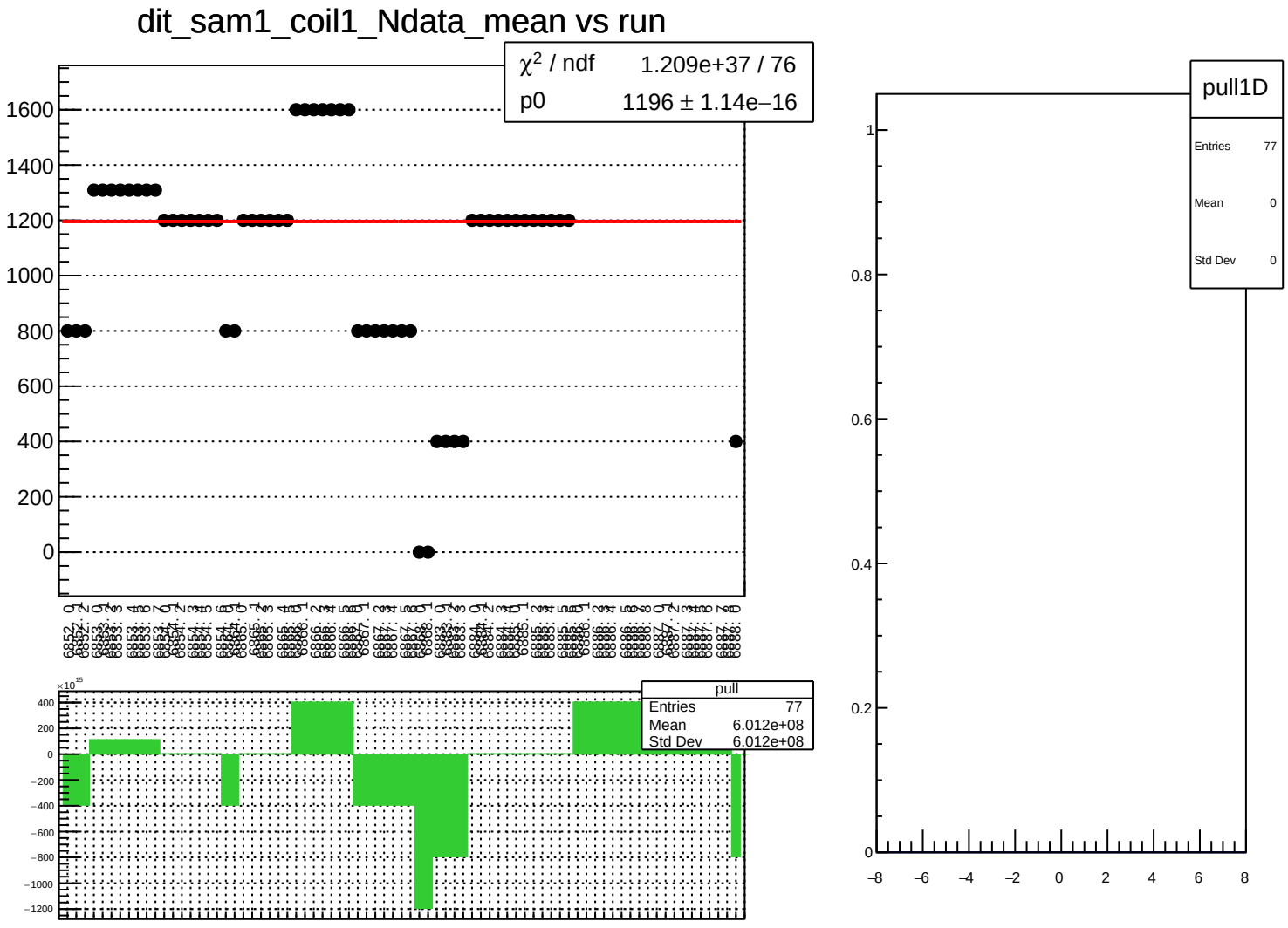


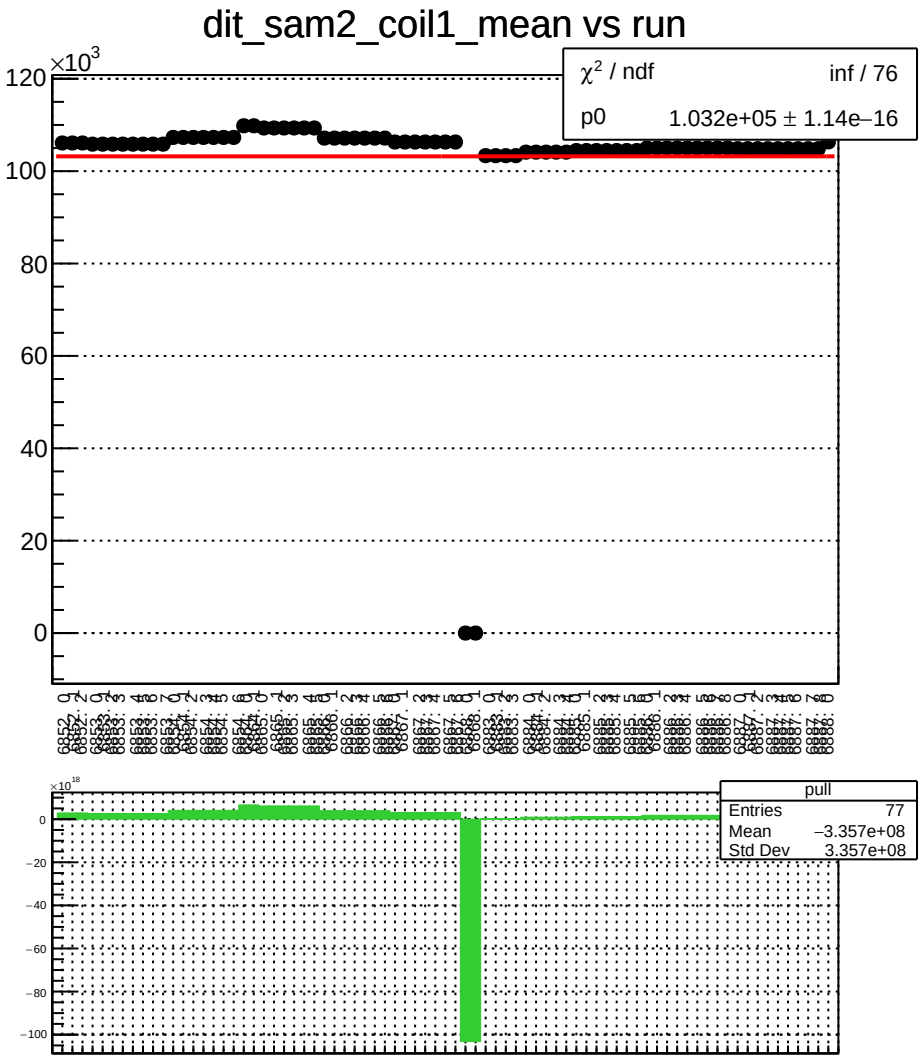

dit_sam1_coil1_mean vs run
χ^2 / ndf 1.029e+38 / 76
p0 7022 ± 1.14e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean 1.037e+10
Std Dev 1.037e+10
×10^15
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

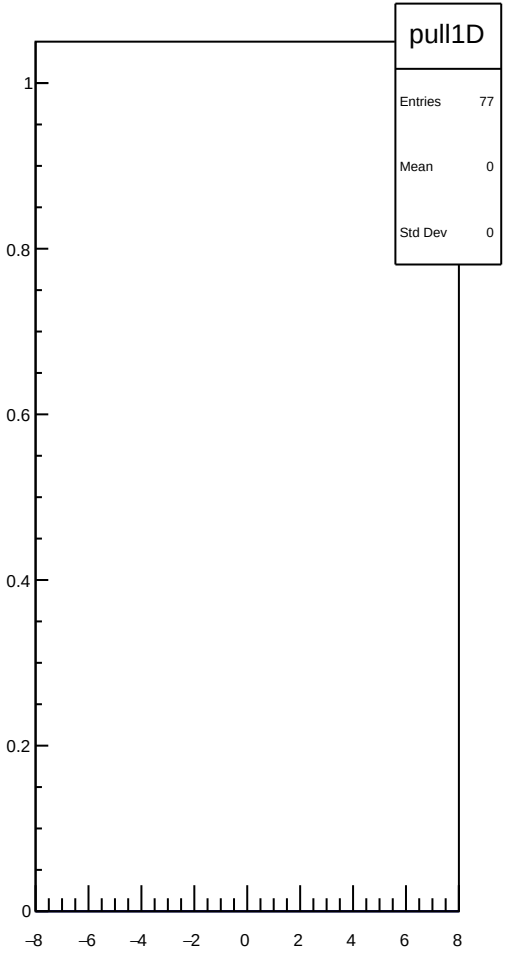

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

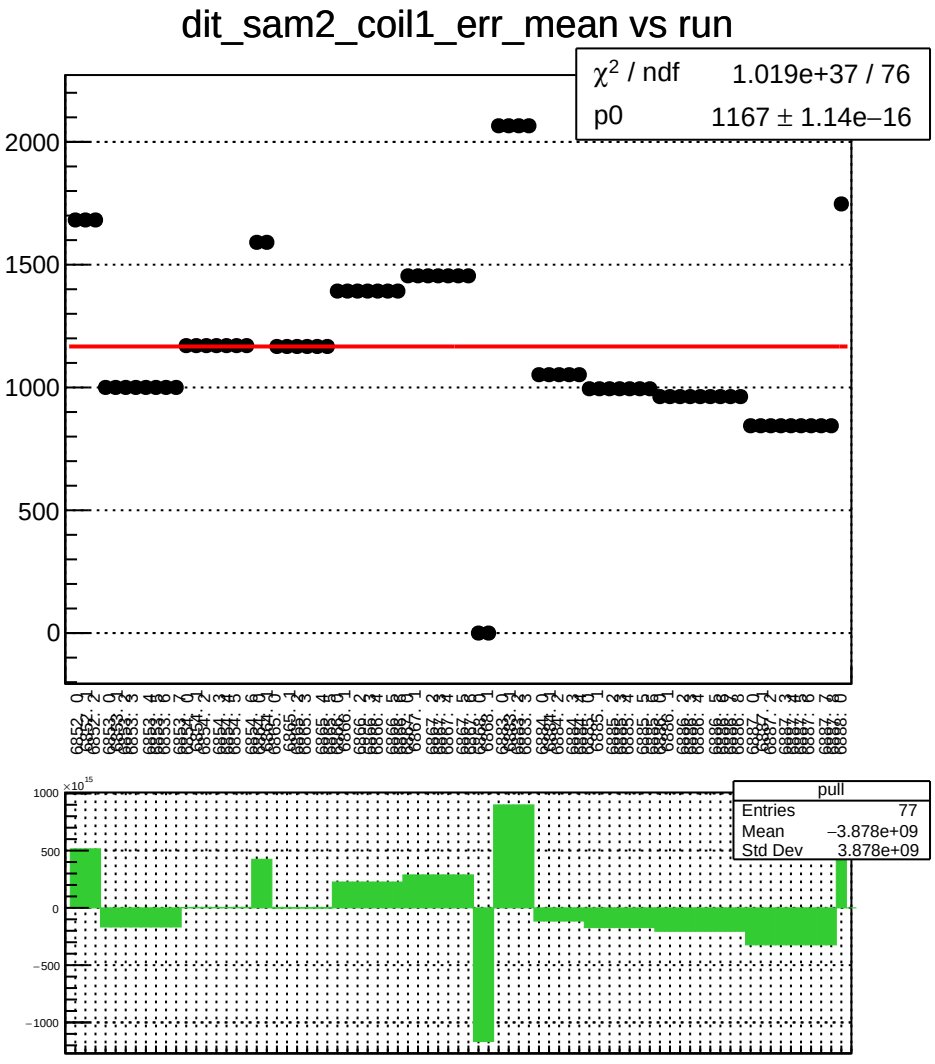

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.506e+35 / 76
p0 130.9 ± 1.14e−16
pull
Entries 77
Mean −6.158e+09
Std Dev 6.158e+09

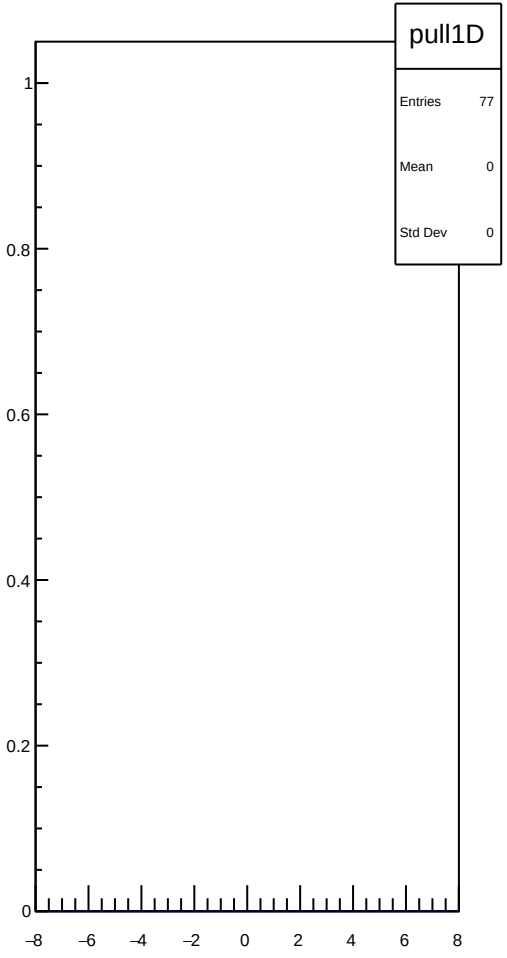

pull1D
Entries 77
Mean 0
Std Dev 0

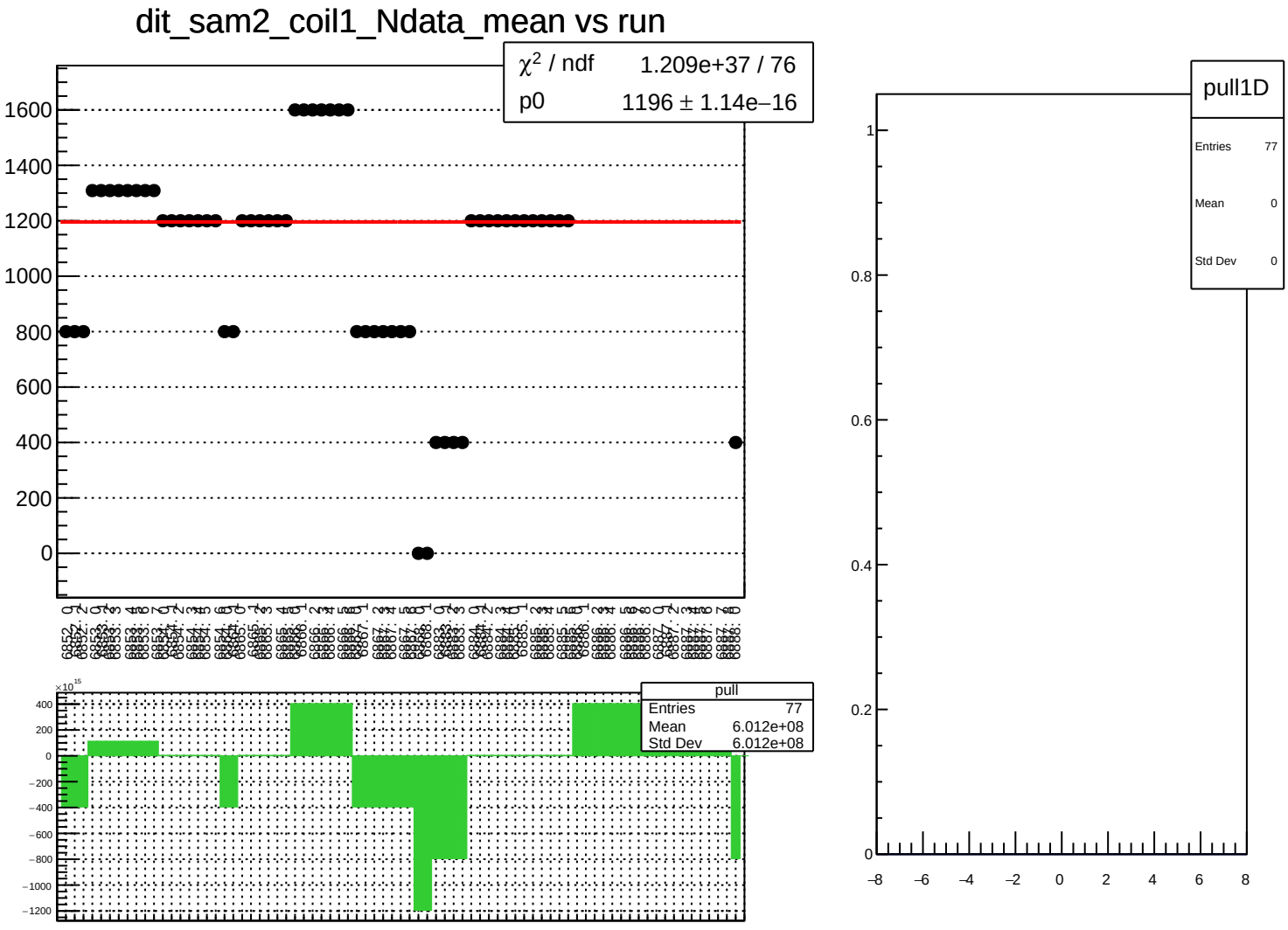

dit_sam1_coil1_Ndata_mean vs run
χ2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
pull1D
Entries 77
Mean 0
Std Dev 0

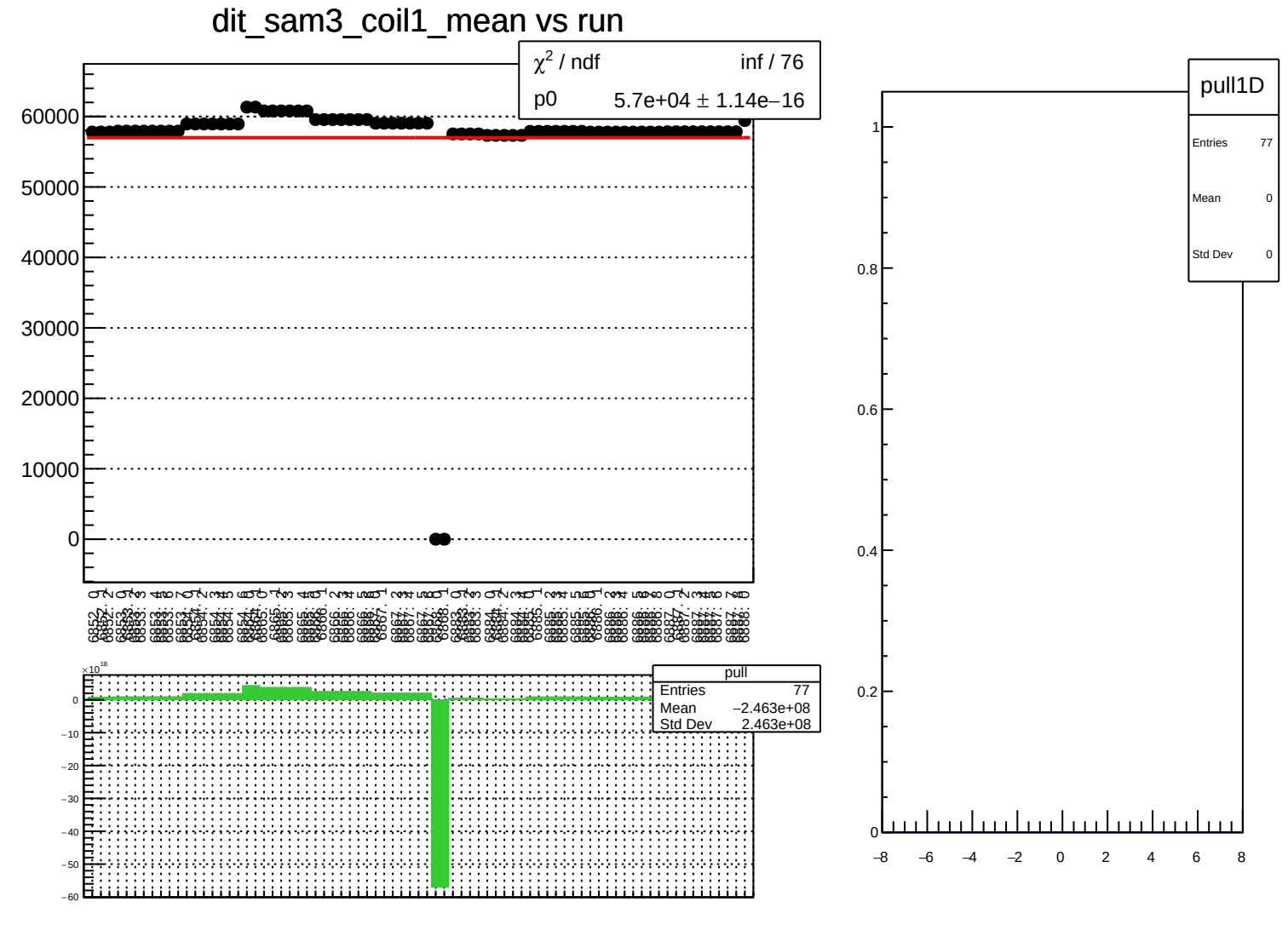

dit_sam2_coil1_mean vs run
χ^2 / ndf inf / 76
p0 1.032e+05 ± 1.14e−16
×10^3
120
100
80
60
40
20
0
pull
Entries 77
Mean −3.357e+08
Std Dev 3.357e+08
×10^18
0
−20
−40
−60
−80
−100

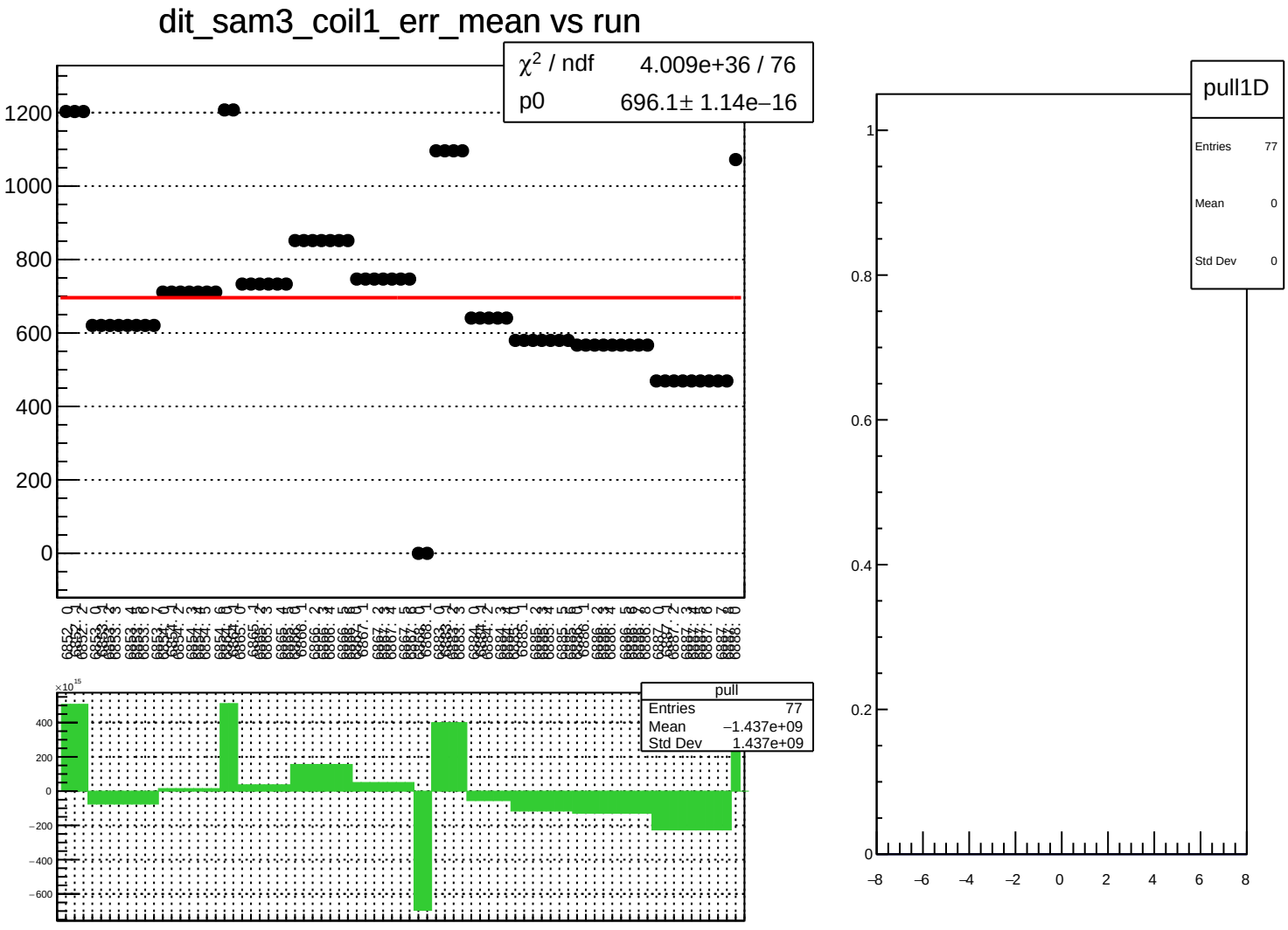

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

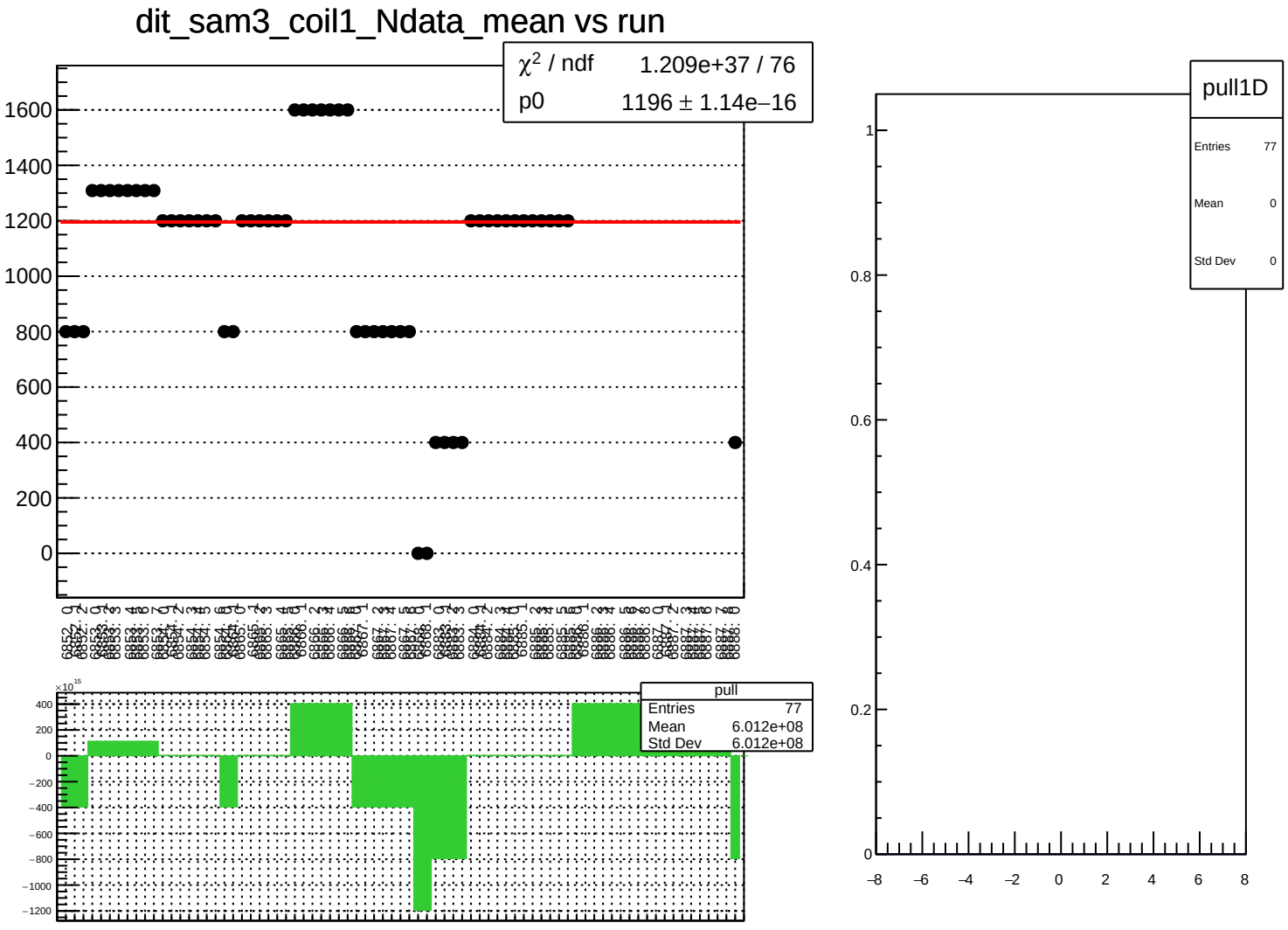

dit_sam2_coil1_err_mean vs run
χ² / ndf 1.019e+37 / 76
p0 1167 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −3.878e+09
Std Dev 3.878e+09
1000
500
0
−500
−1000

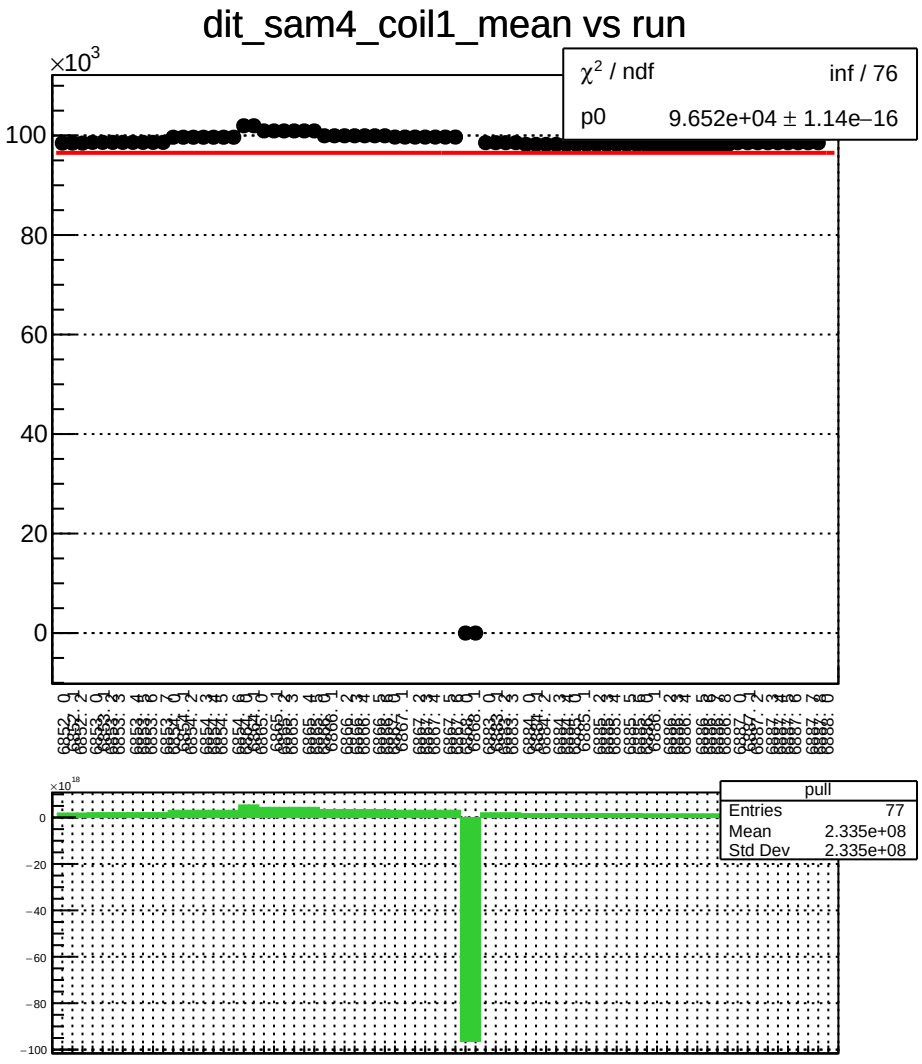

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

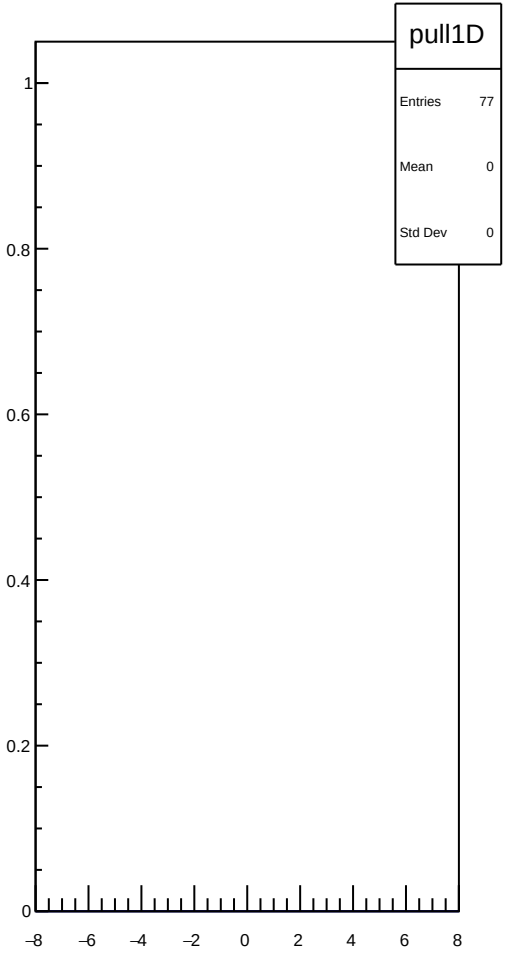

dit_sam2_coil1_Ndata_mean vs run
χ2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

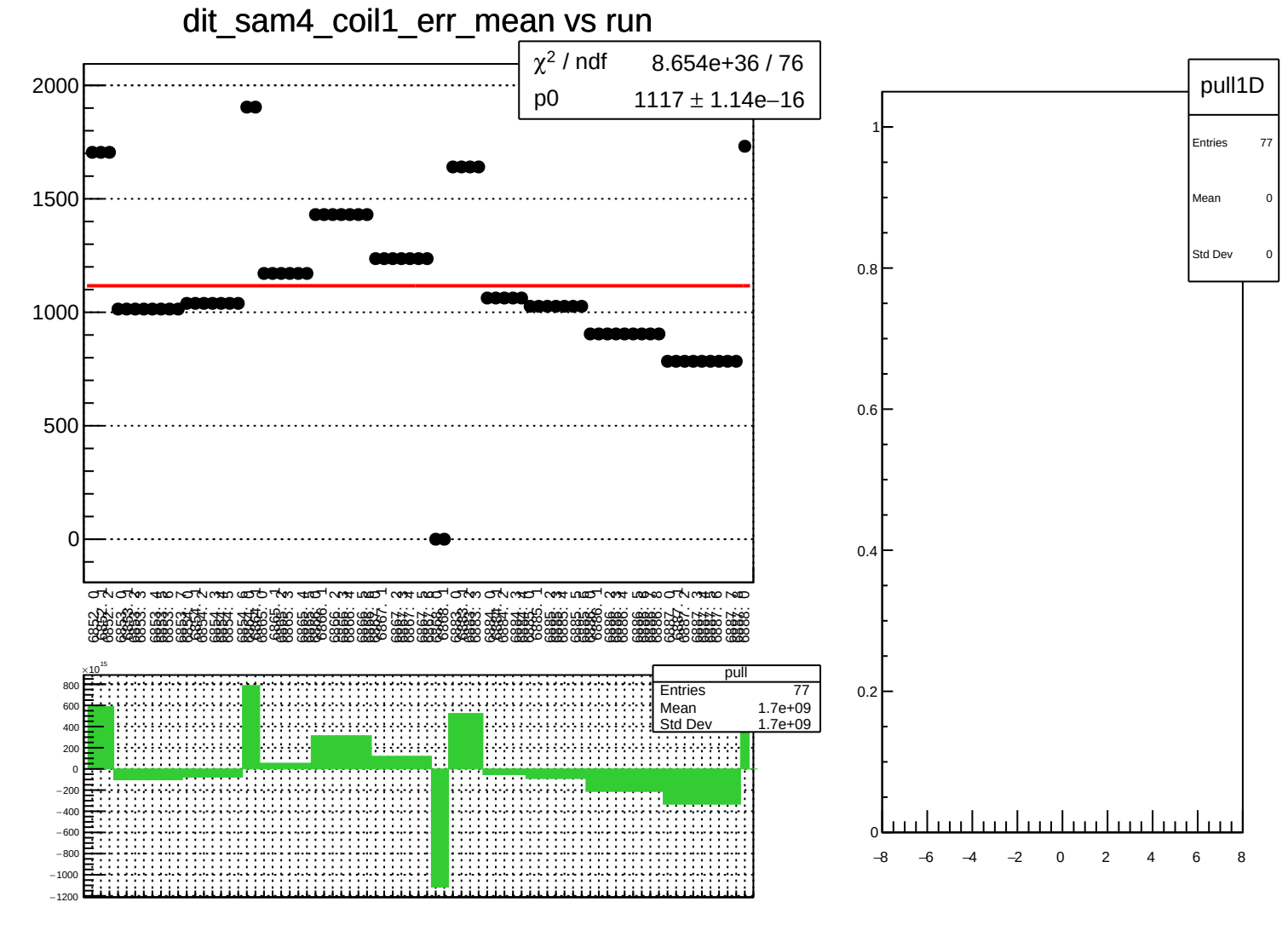

dit_sam3_coil1_mean vs run
χ² / ndf inf / 76
p0 5.7e+04 ± 1.14e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 77
Mean −2.463e+08
Std Dev 2.463e+08
×10¹⁸
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

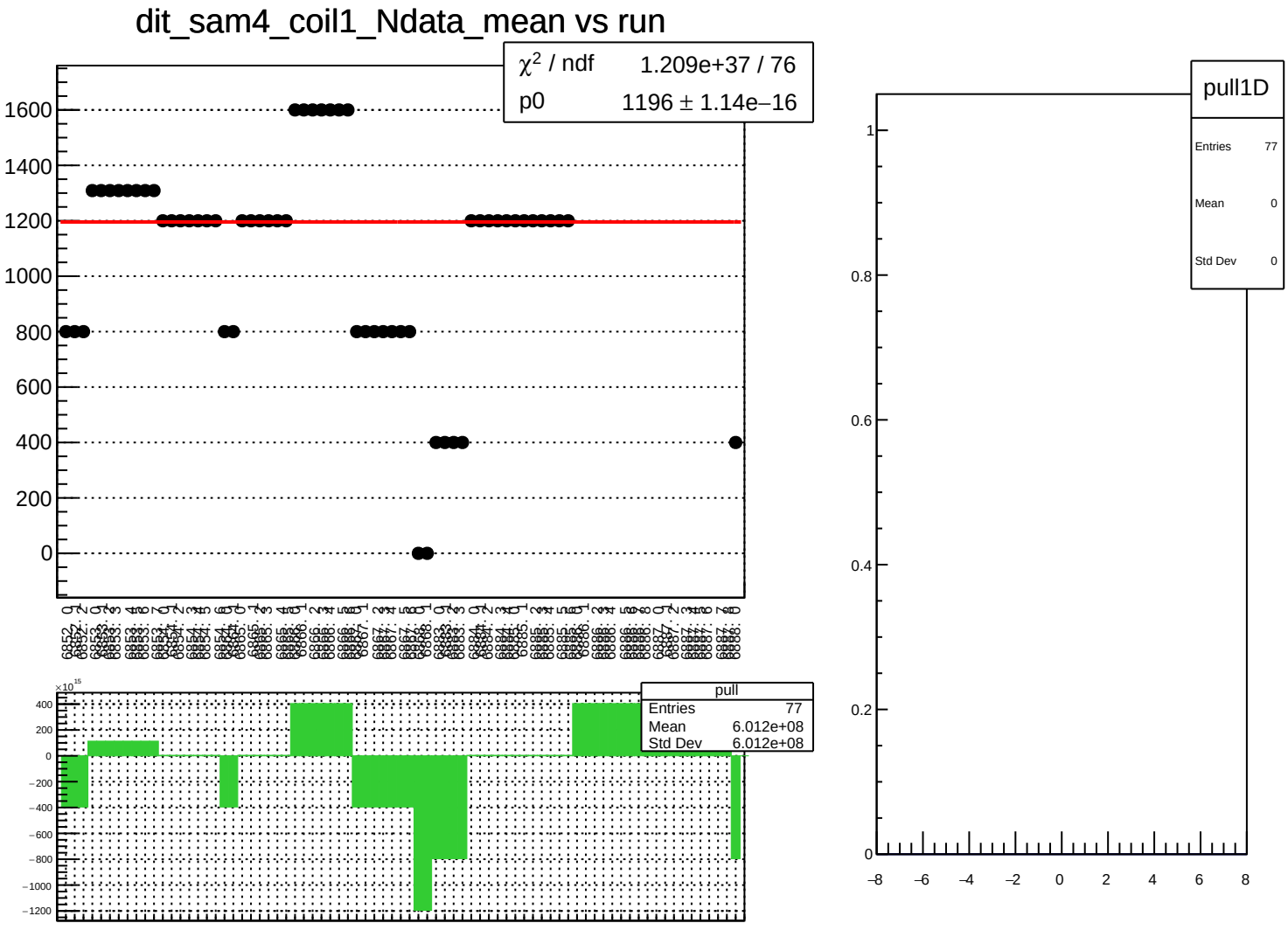

dit_sam3_coil1_err_mean vs run
χ² / ndf 4.009e+36 / 76
p0 696.1± 1.14e−16
pull
Entries 77
Mean −1.437e+09
Std Dev 1.437e+09
pull1D
Entries 77
Mean 0
Std Dev 0

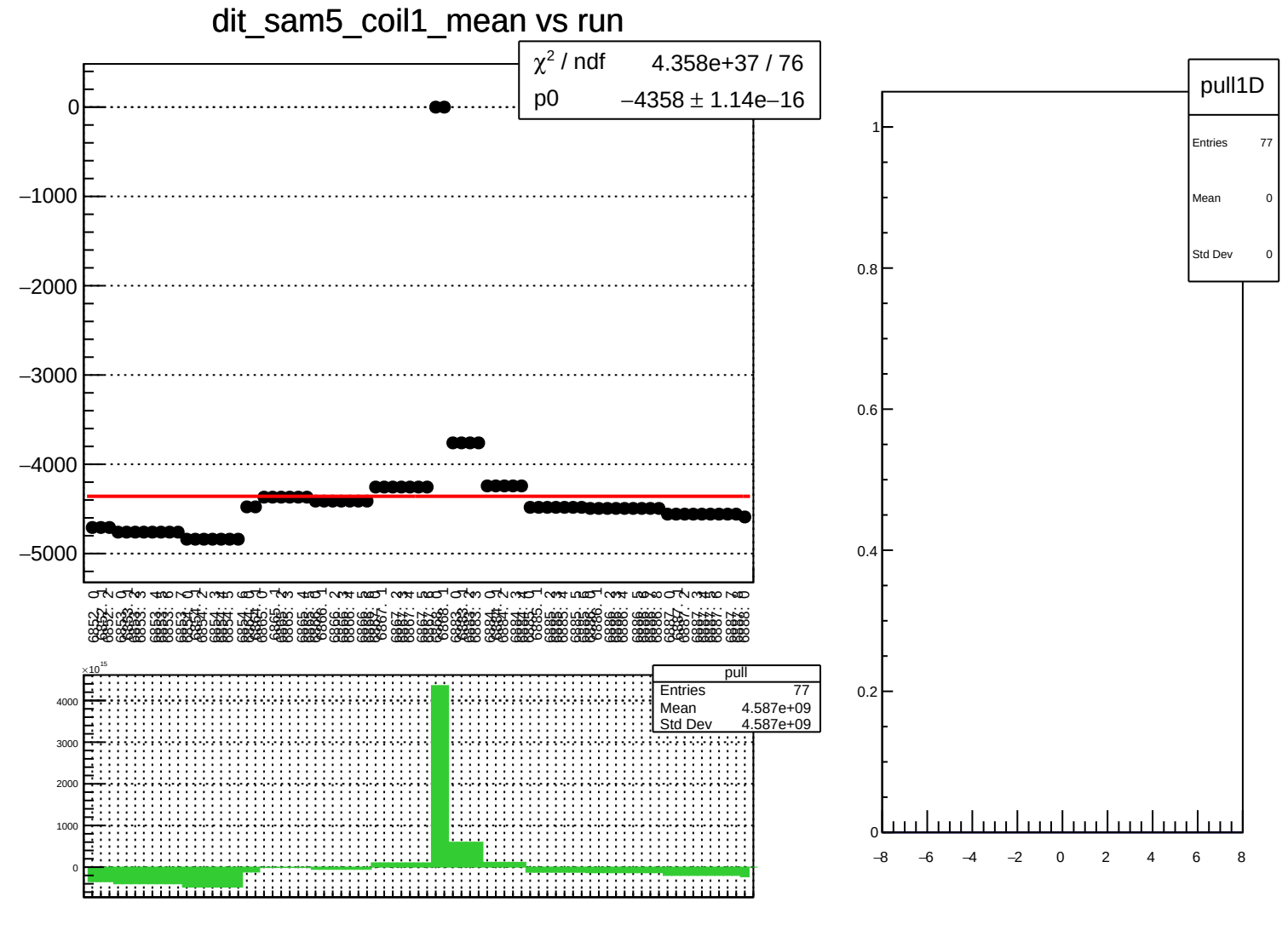

dit_sam3_coil1_Ndata_mean vs run
χ2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

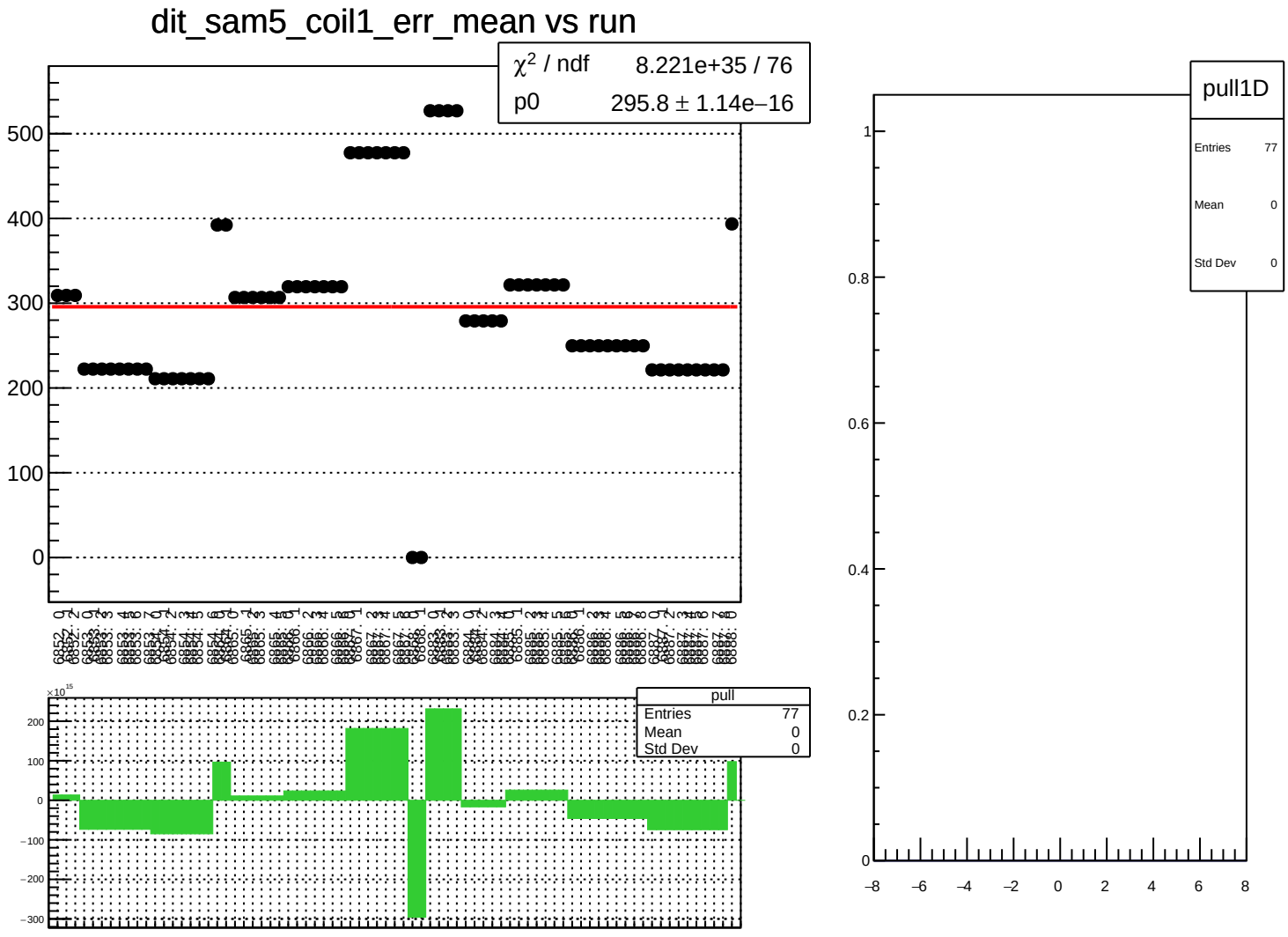

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf inf / 76
p0 9.652e+04 ± 1.14e−16
100
80
60
40
20
0
pull
Entries 77
Mean 2.335e+08
Std Dev 2.335e+08
×10^18
0
−20
−40
−60
−80
−100

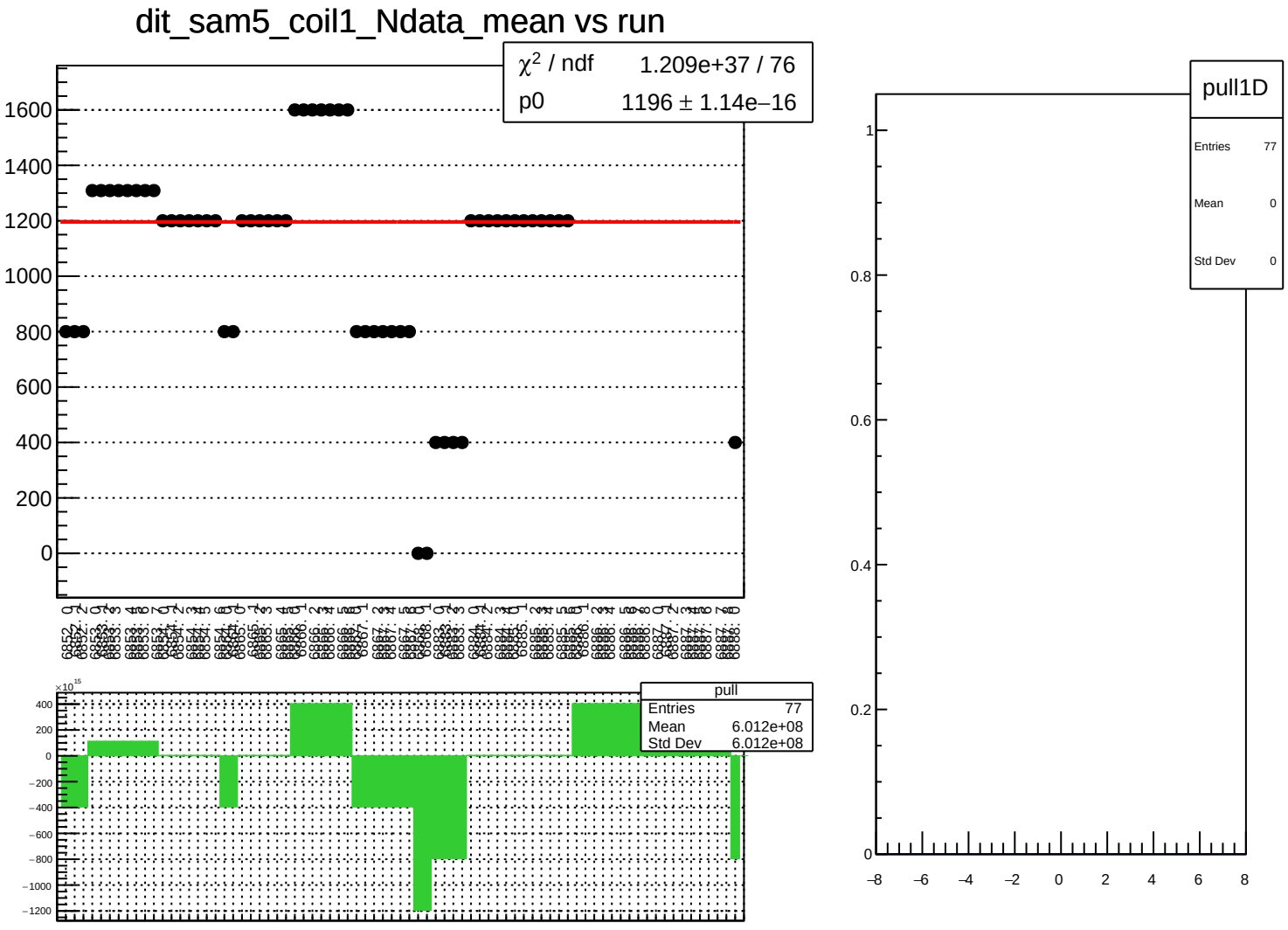

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

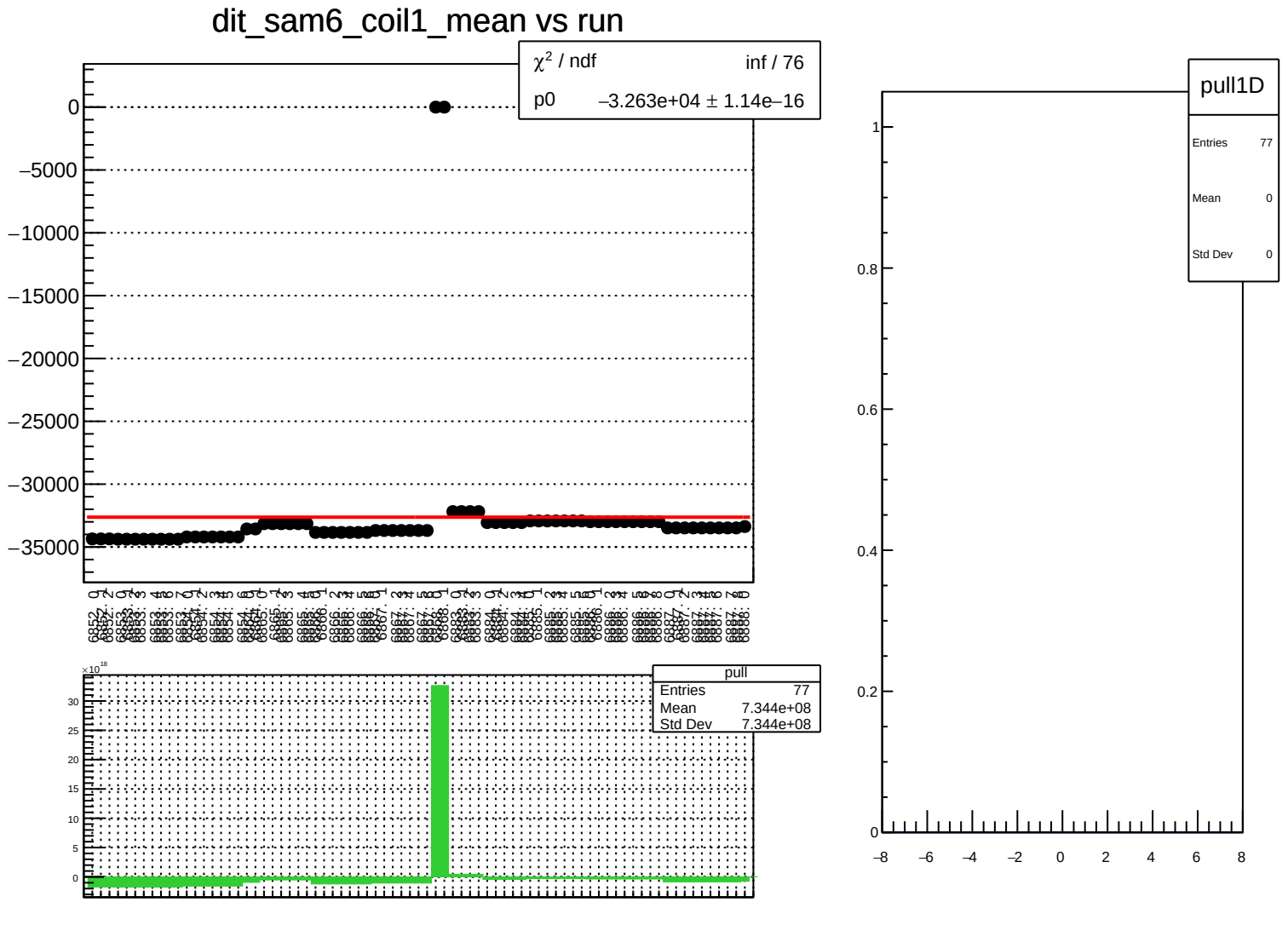

dit_sam4_coil1_err_mean vs run
χ² / ndf 8.654e+36 / 76
p0 1117 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 1.7e+09
Std Dev 1.7e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

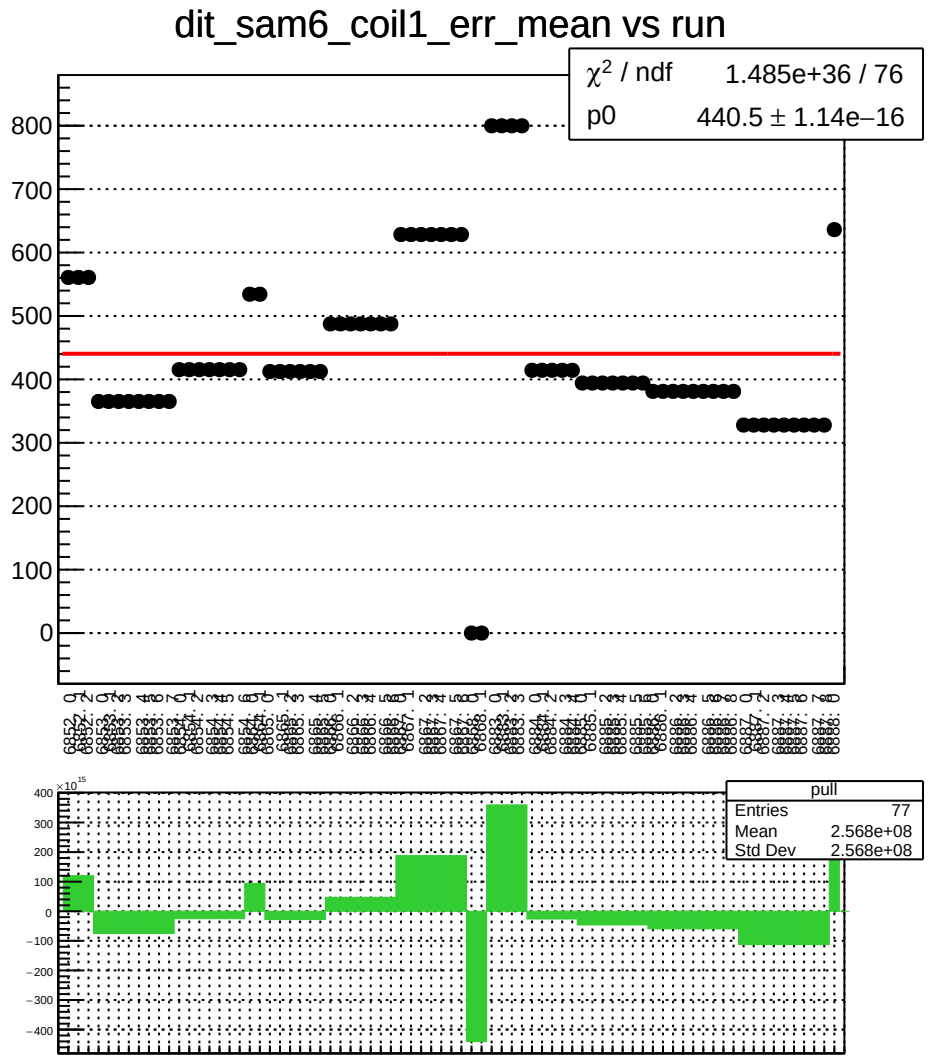

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
pull1D
Entries 77
Mean 0
Std Dev 0

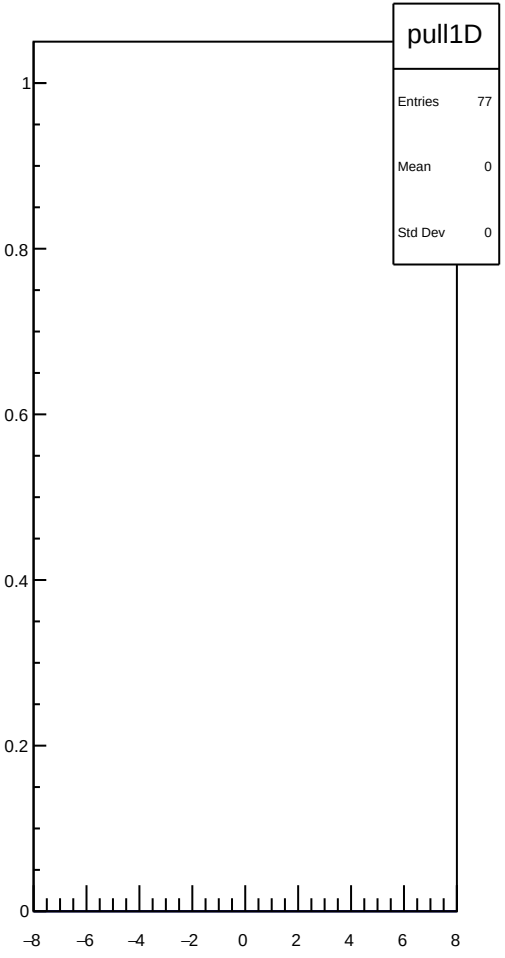

dit_sam5_coil1_mean vs run
χ² / ndf 4.358e+37 / 76
p0 −4358 ± 1.14e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 77
Mean 4.587e+09
Std Dev 4.587e+09
×10¹⁵
4000
3000
2000
1000
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

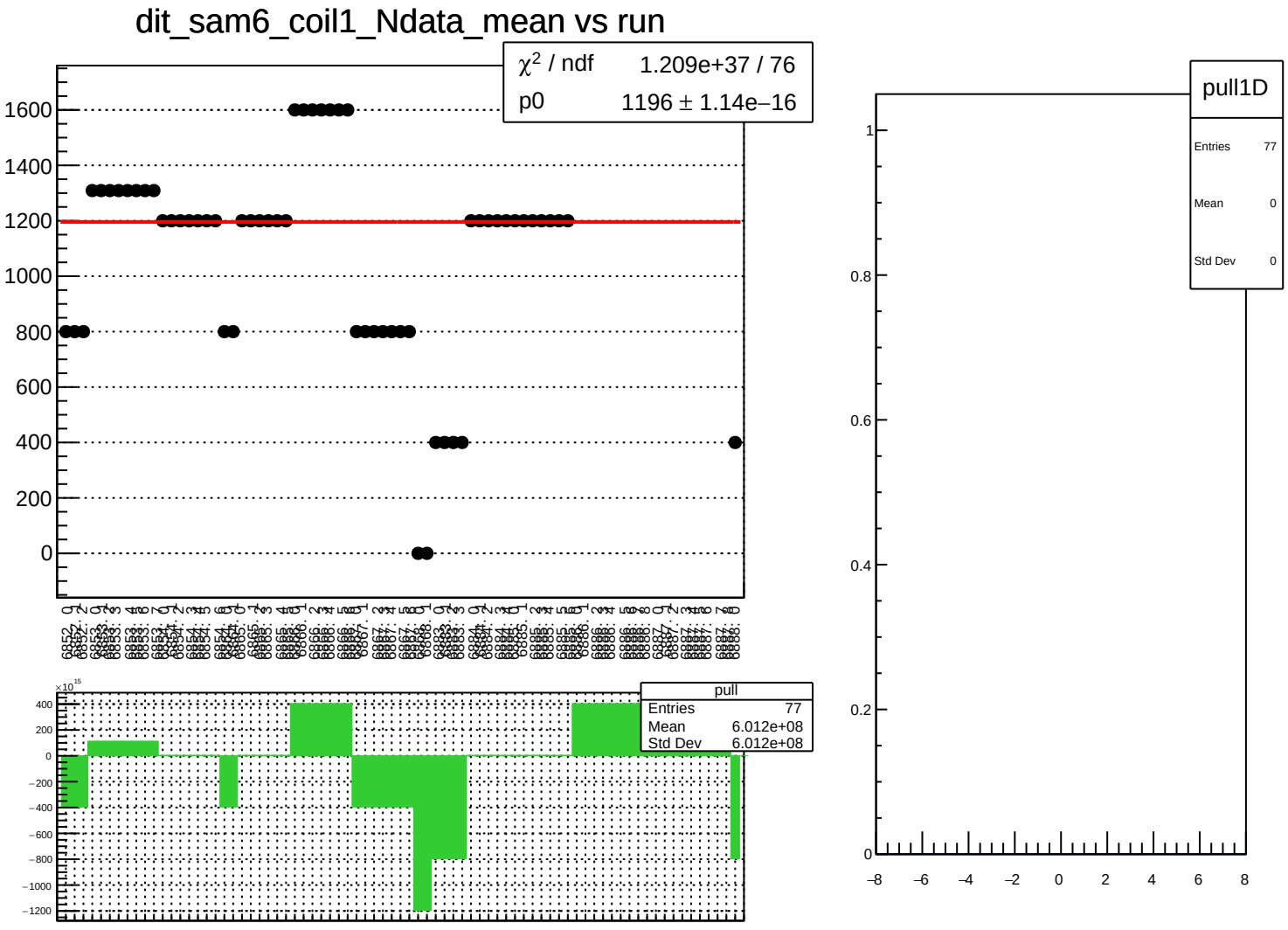

dit_sam5_coil1_err_mean vs run
χ² / ndf 8.221e+35 / 76
p0 295.8 ± 1.14e−16
pull
Entries 77
Mean 0
Std Dev 0
pull1D
Entries 77
Mean 0
Std Dev 0

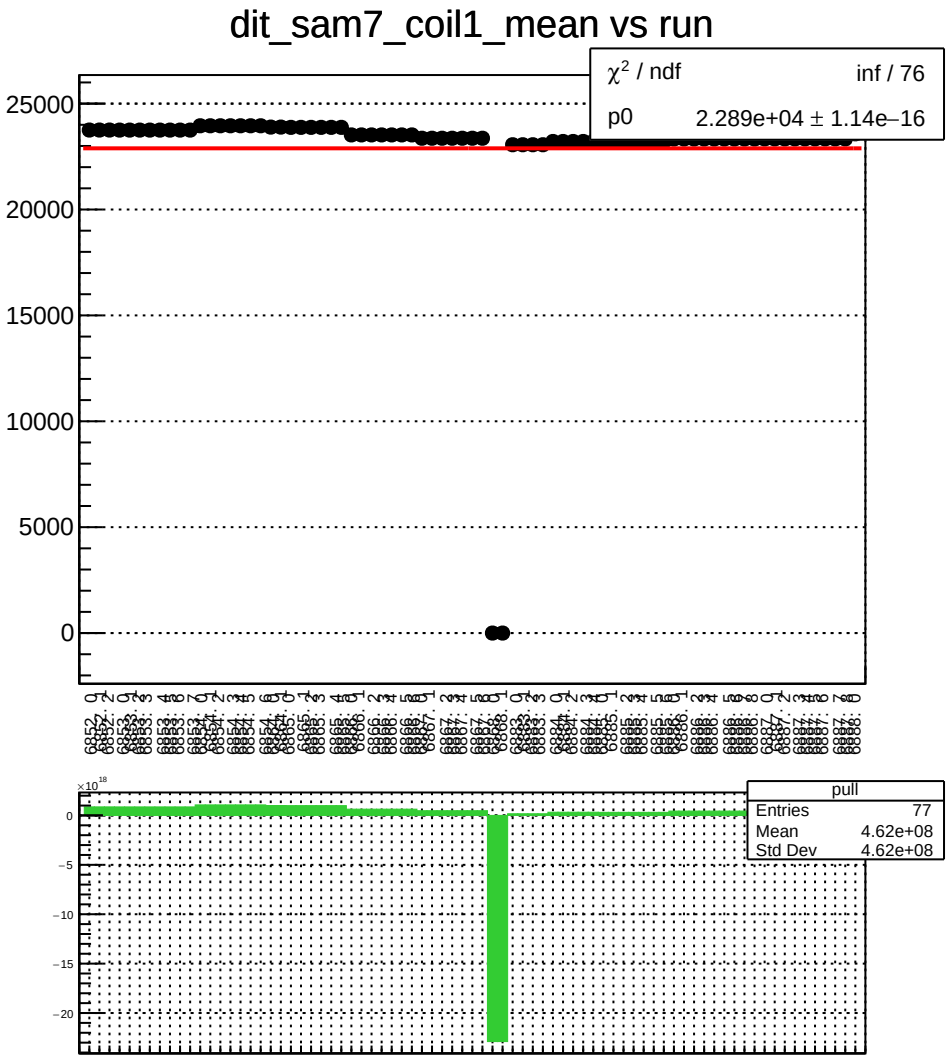

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
pull1D
Entries 77
Mean 0
Std Dev 0

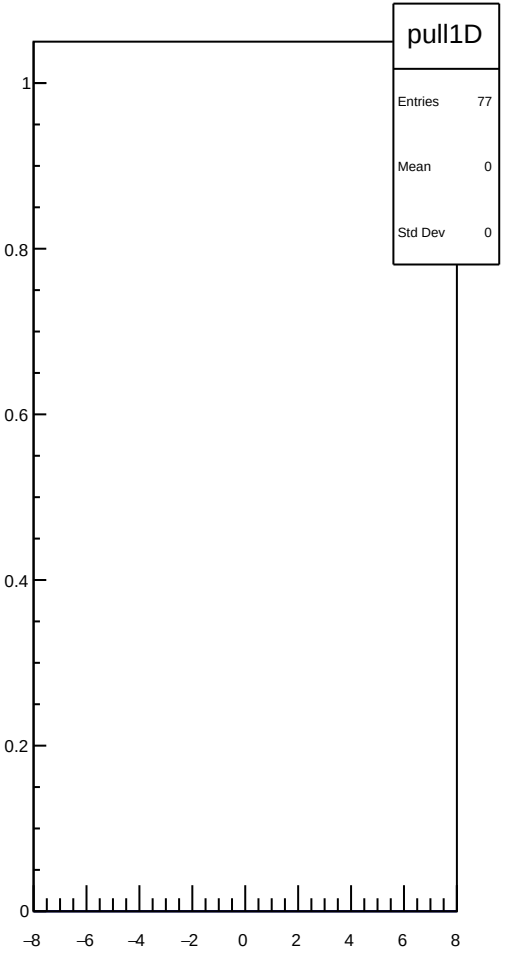

dit_sam6_coil1_mean vs run
χ² / ndf inf / 76
p0 −3.263e+04 ± 1.14e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 77
Mean 7.344e+08
Std Dev 7.344e+08
×10¹⁸
30
25
20
15
10
5
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

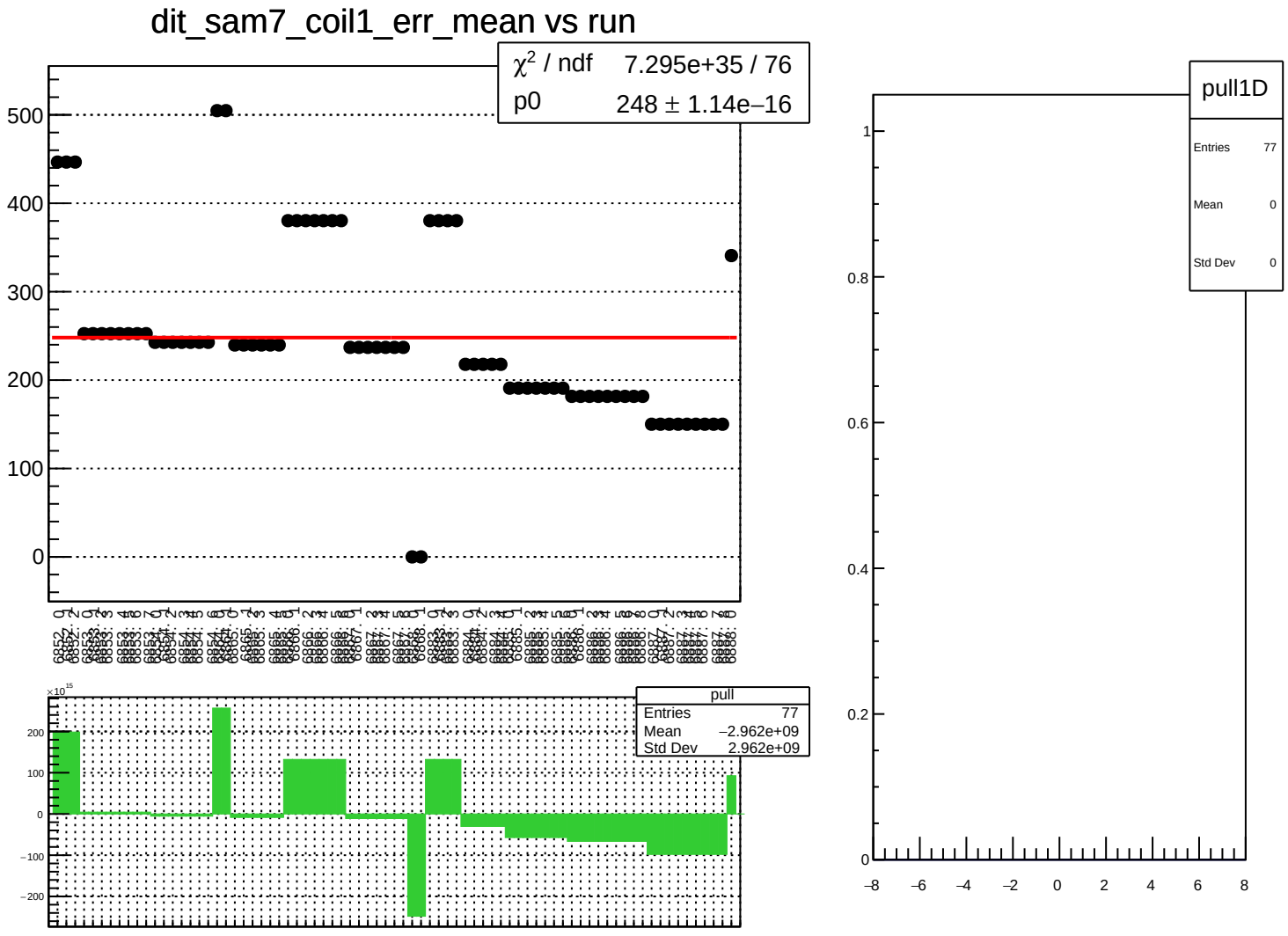

dit_sam6_coil1_err_mean vs run
χ² / ndf 1.485e+36 / 76
p0 440.5 ± 1.14e−16
pull
Entries 77
Mean 2.568e+08
Std Dev 2.568e+08

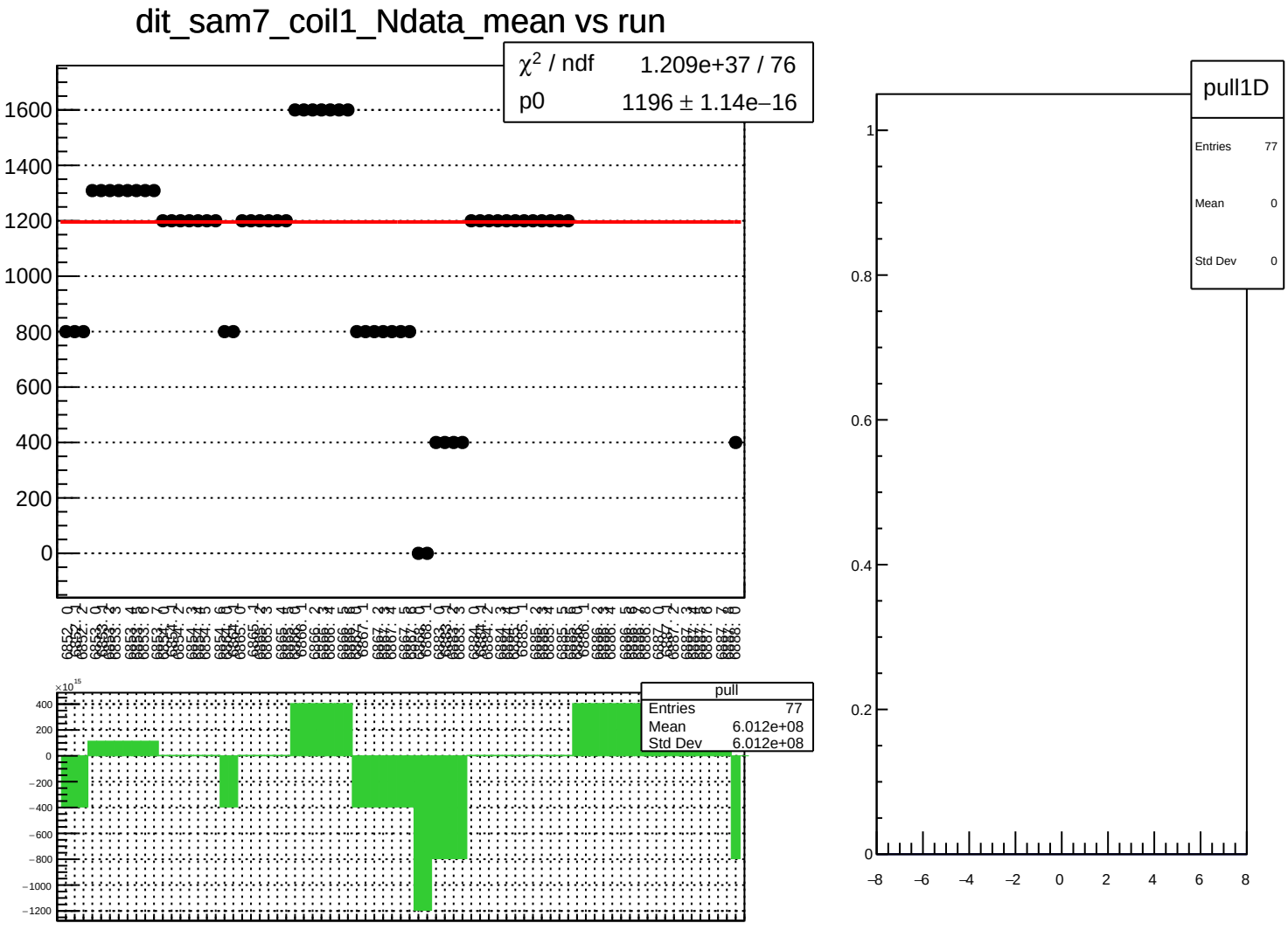

pull1D
Entries 77
Mean 0
Std Dev 0

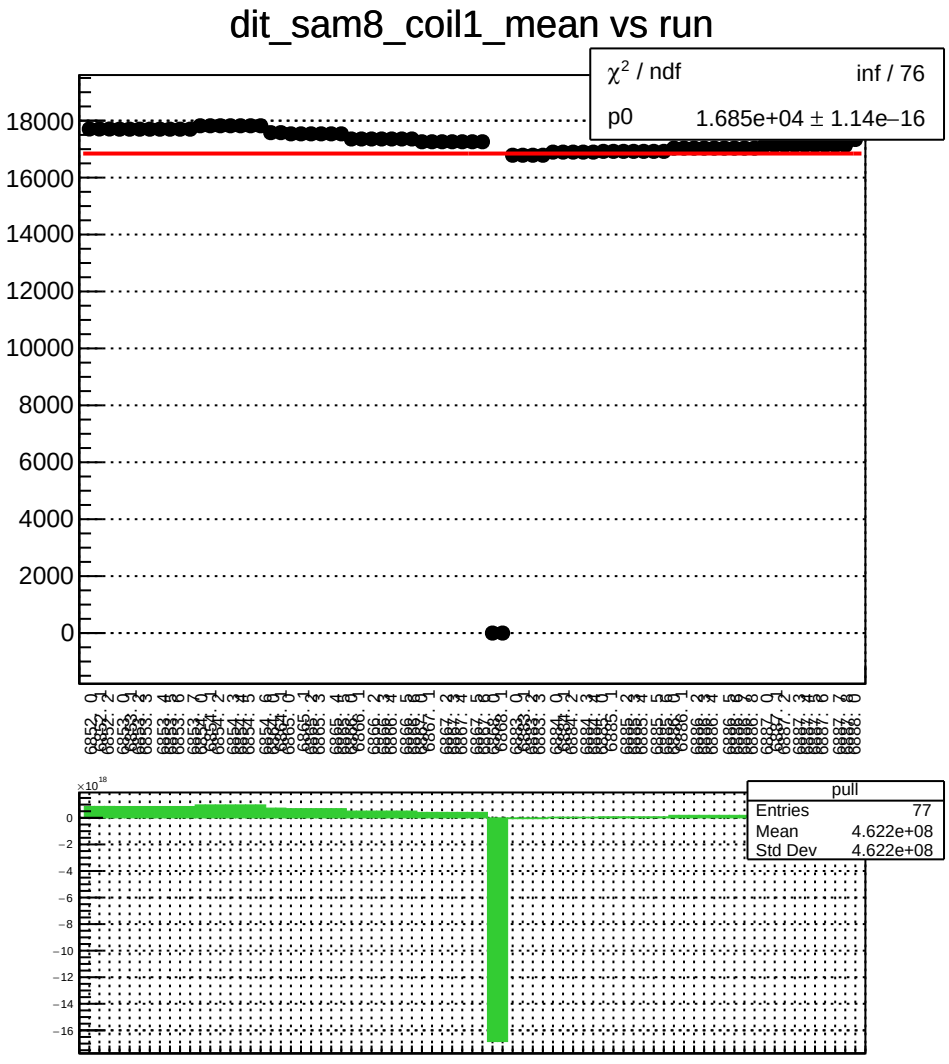

dit_sam6_coil1_Ndata_mean vs run
χ2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

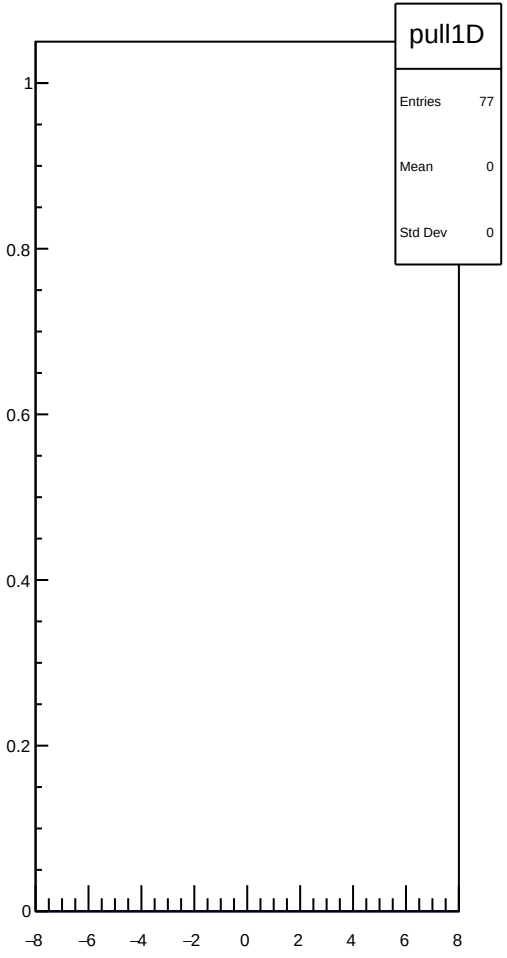

dit_sam7_coil1_mean vs run
χ² / ndf inf / 76
p0 2.289e+04 ± 1.14e−16
25000
20000
15000
10000
5000
0
pull
Entries 77
Mean 4.62e+08
Std Dev 4.62e+08
×10¹⁸
0
−5
−10
−15
−20

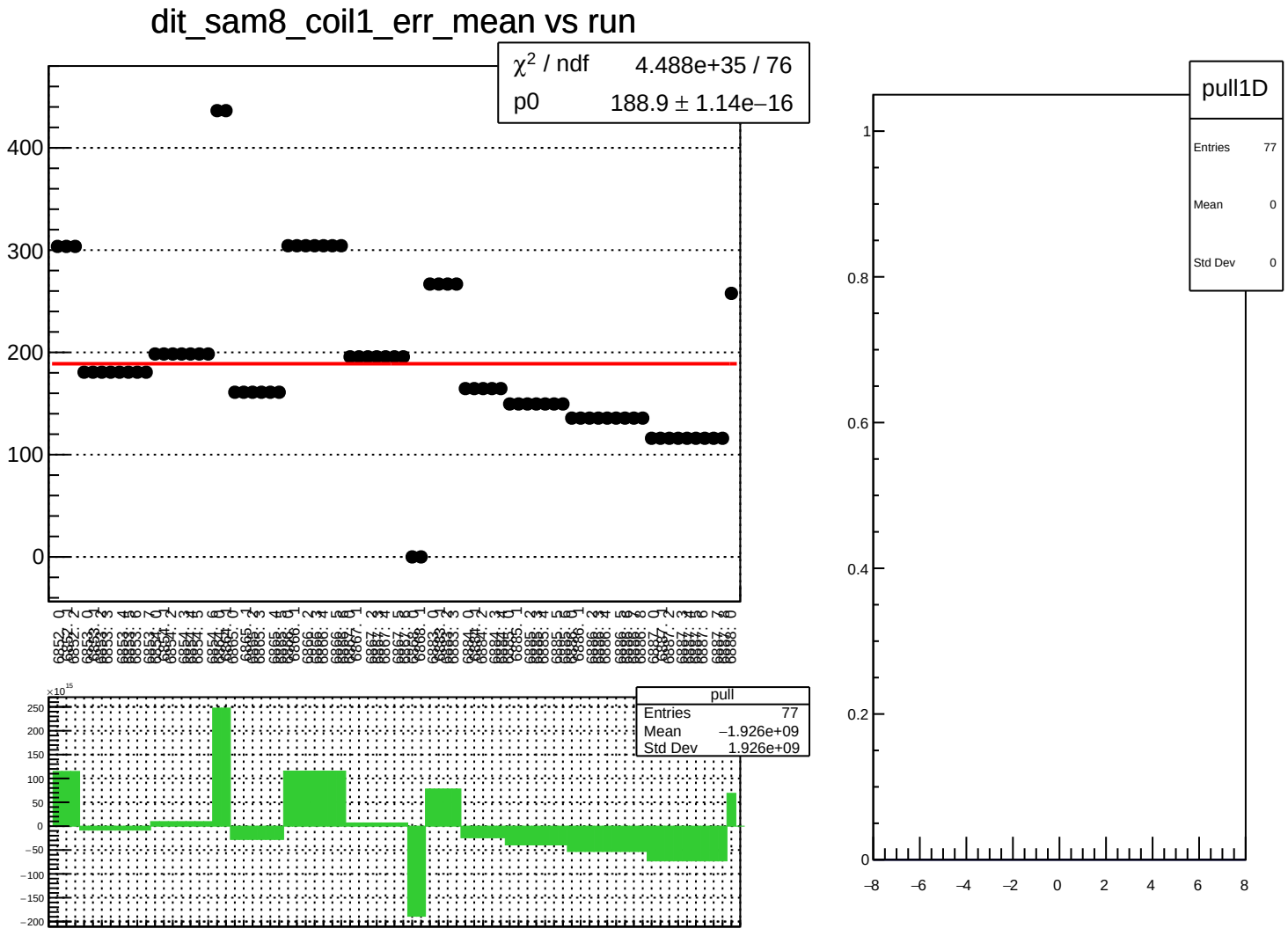

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

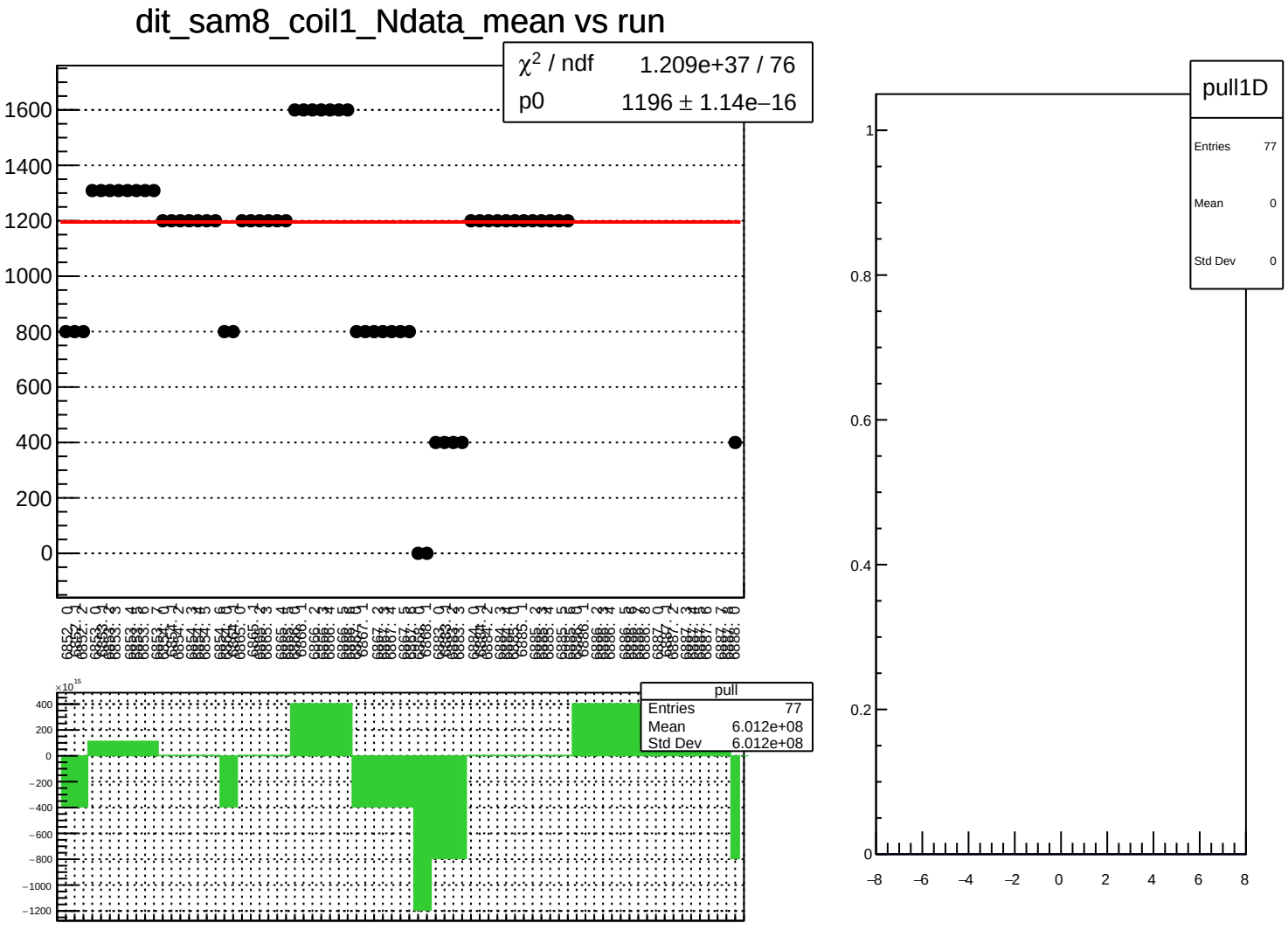

dit_sam7_coil1_err_mean vs run
χ² / ndf 7.295e+35 / 76
p0 248 ± 1.14e−16
pull
Entries 77
Mean −2.962e+09
Std Dev 2.962e+09
pull1D
Entries 77
Mean 0
Std Dev 0

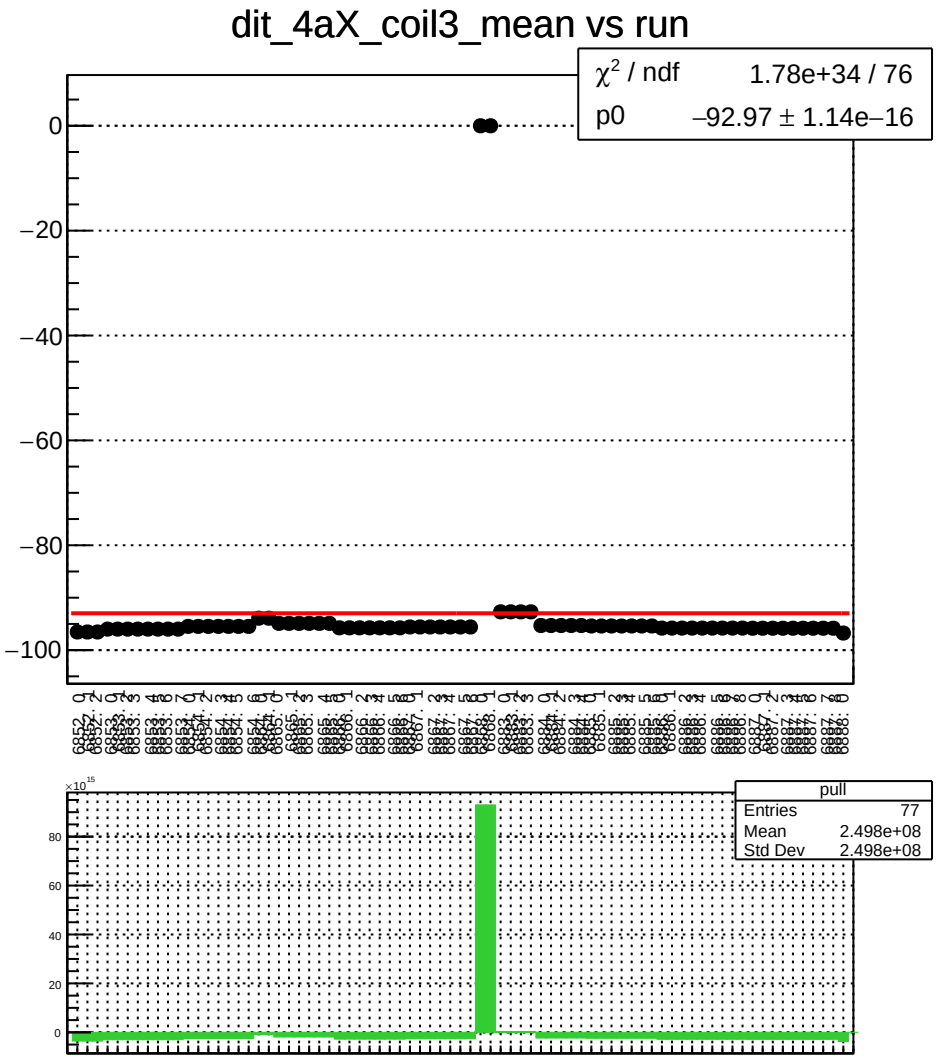

dit_sam7_coil1_Ndata_mean vs run
χ2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

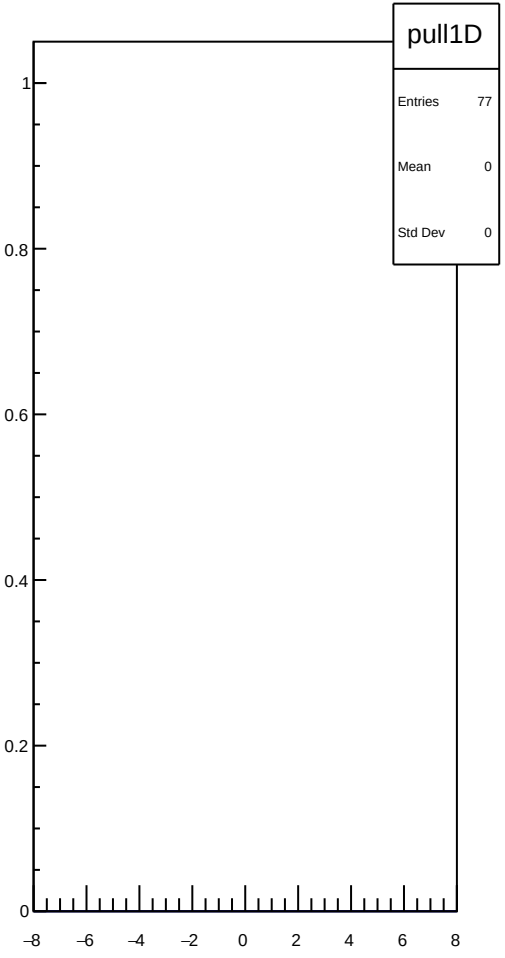

dit_sam8_coil1_mean vs run
χ² / ndf inf / 76
p0 1.685e+04 ± 1.14e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 77
Mean 4.622e+08
Std Dev 4.622e+08
×10¹⁸
0
−2
−4
−6
−8
−10
−12
−14
−16


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

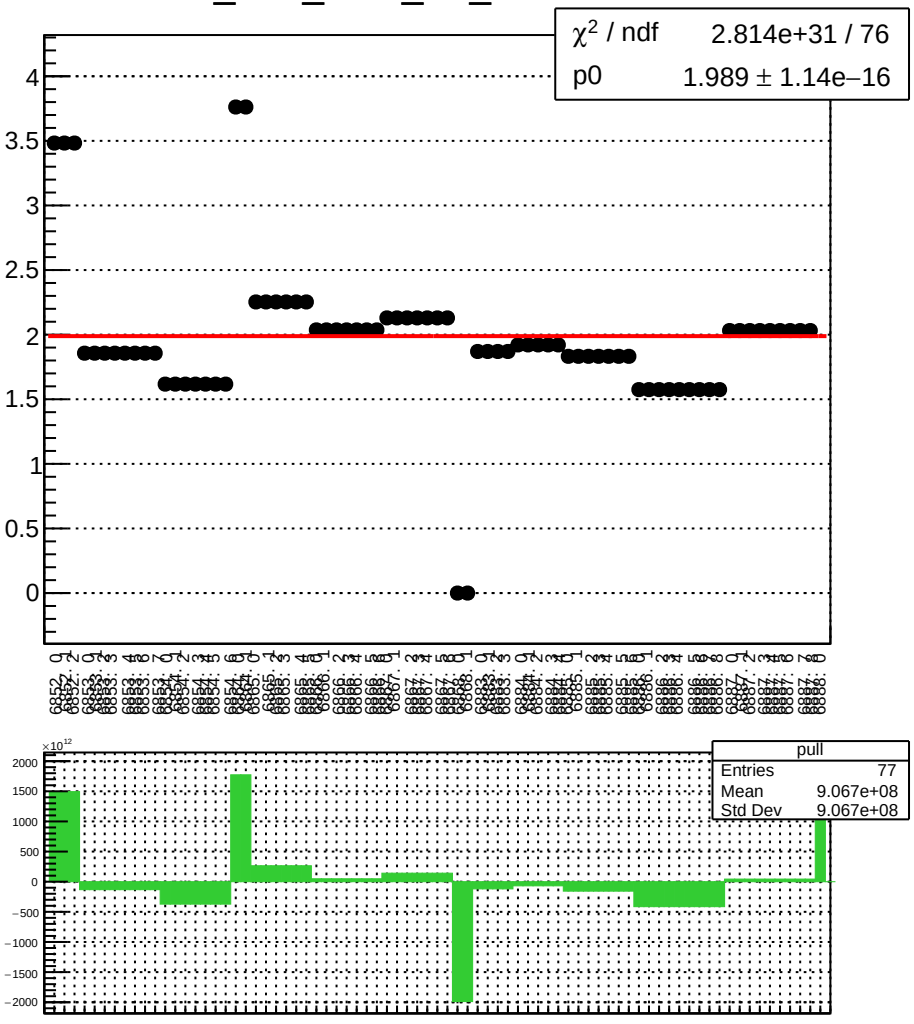

dit_sam8_coil1_err_mean vs run
χ² / ndf 4.488e+35 / 76
p0 188.9 ± 1.14e−16
400
300
200
100
0
pull
Entries 77
Mean −1.926e+09
Std Dev 1.926e+09
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

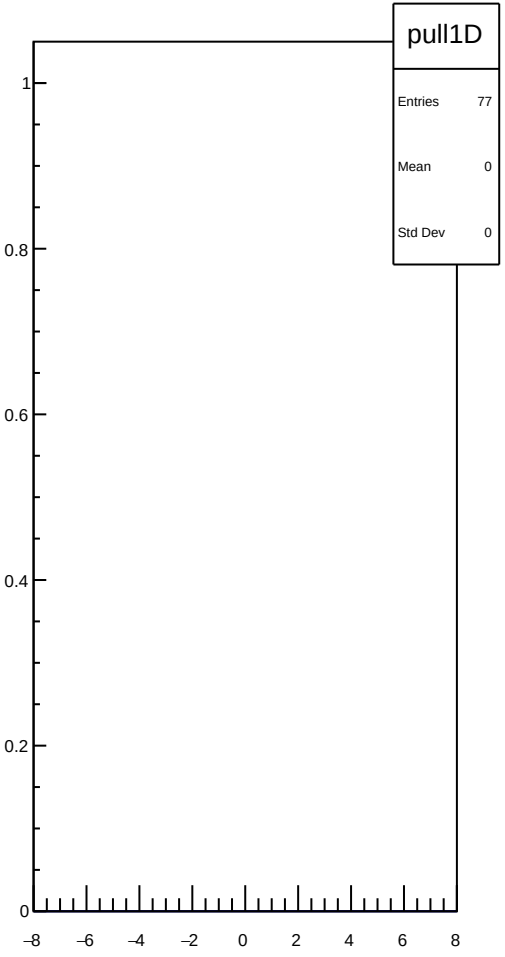

dit_sam8_coil1_Ndata_mean vs run
χ2 / ndf 1.209e+37 / 76
p0 1196 ± 1.14e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 6.012e+08
Std Dev 6.012e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil3_mean vs run
χ² / ndf 1.78e+34 / 76
p0 –92.97 ± 1.14e–16
0
–20
–40
–60
–80
–100
pull
Entries 77
Mean 2.498e+08
Std Dev 2.498e+08
×10¹⁵
80
60
40
20
0

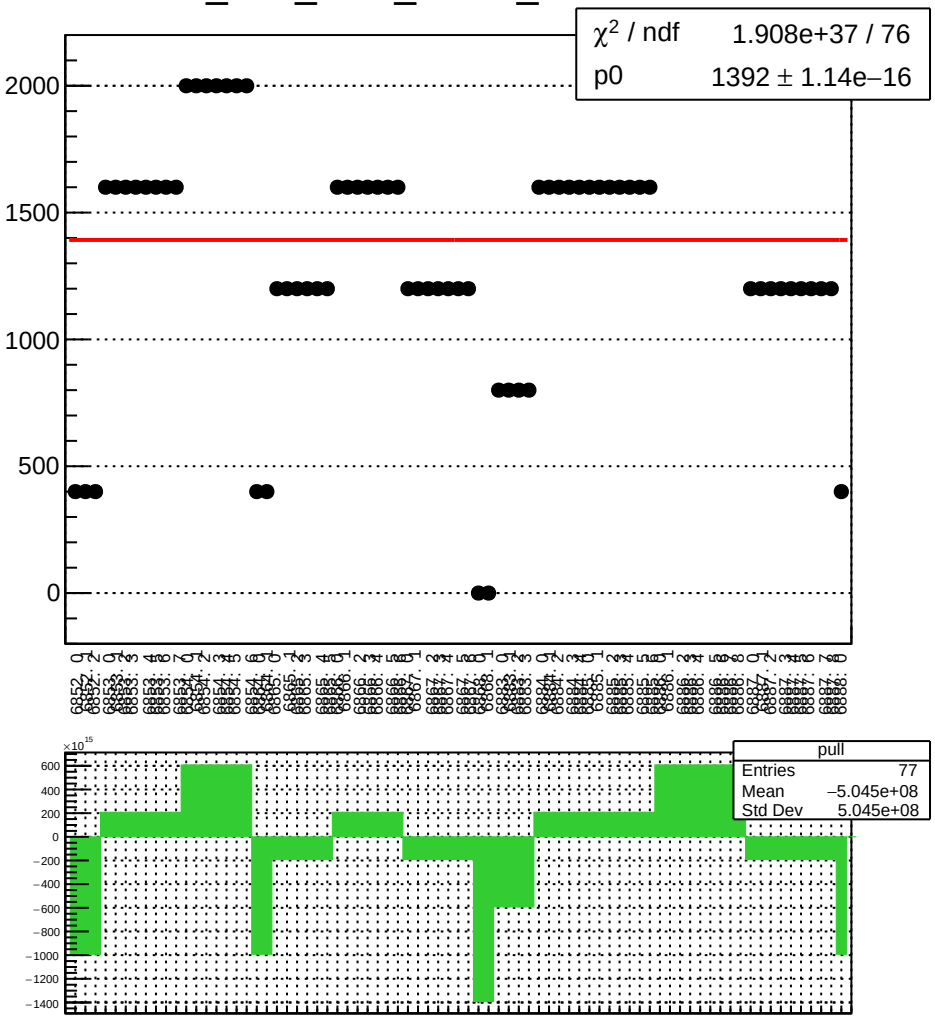

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

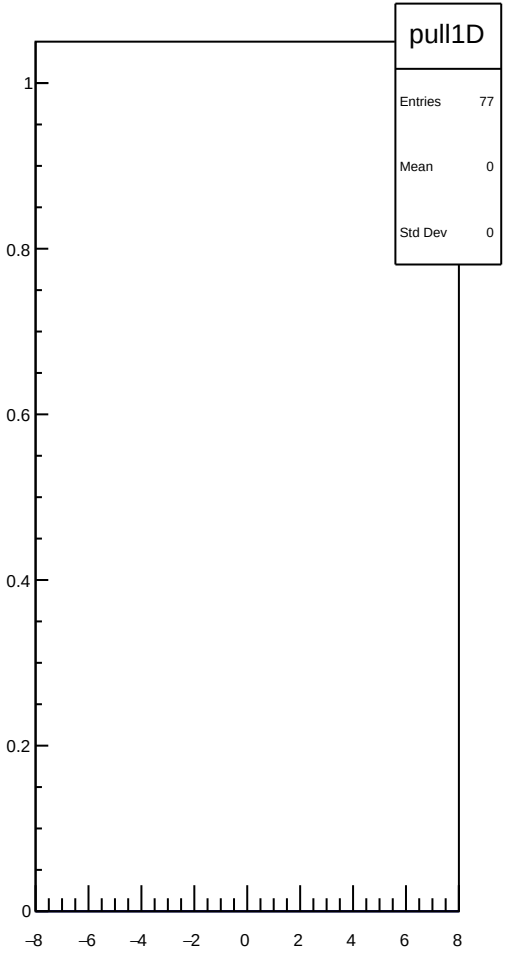
dit_4aX_coil3_err_mean vs run



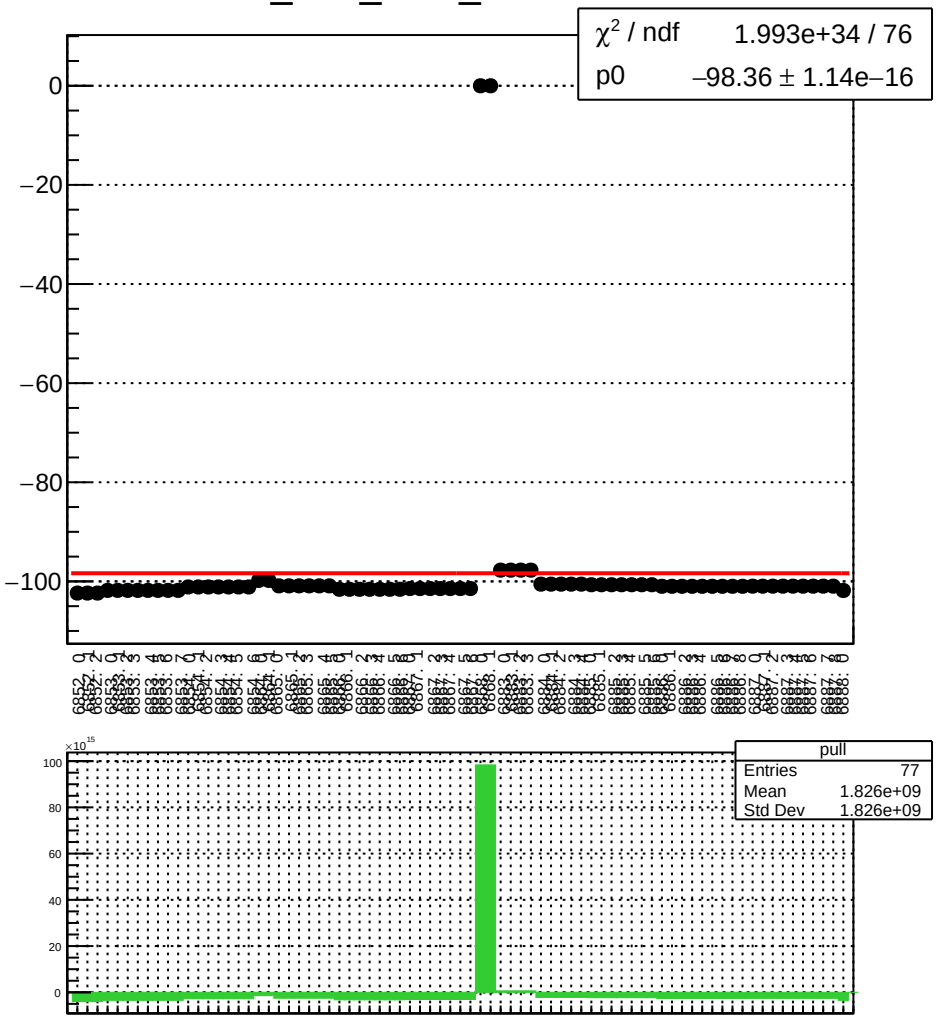


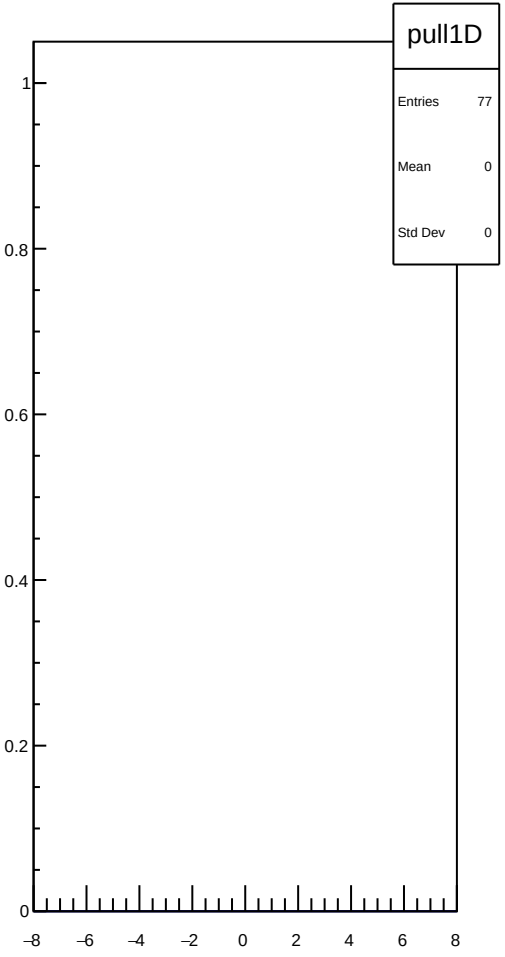
dit_4aX_coil3_Ndata_mean vs run



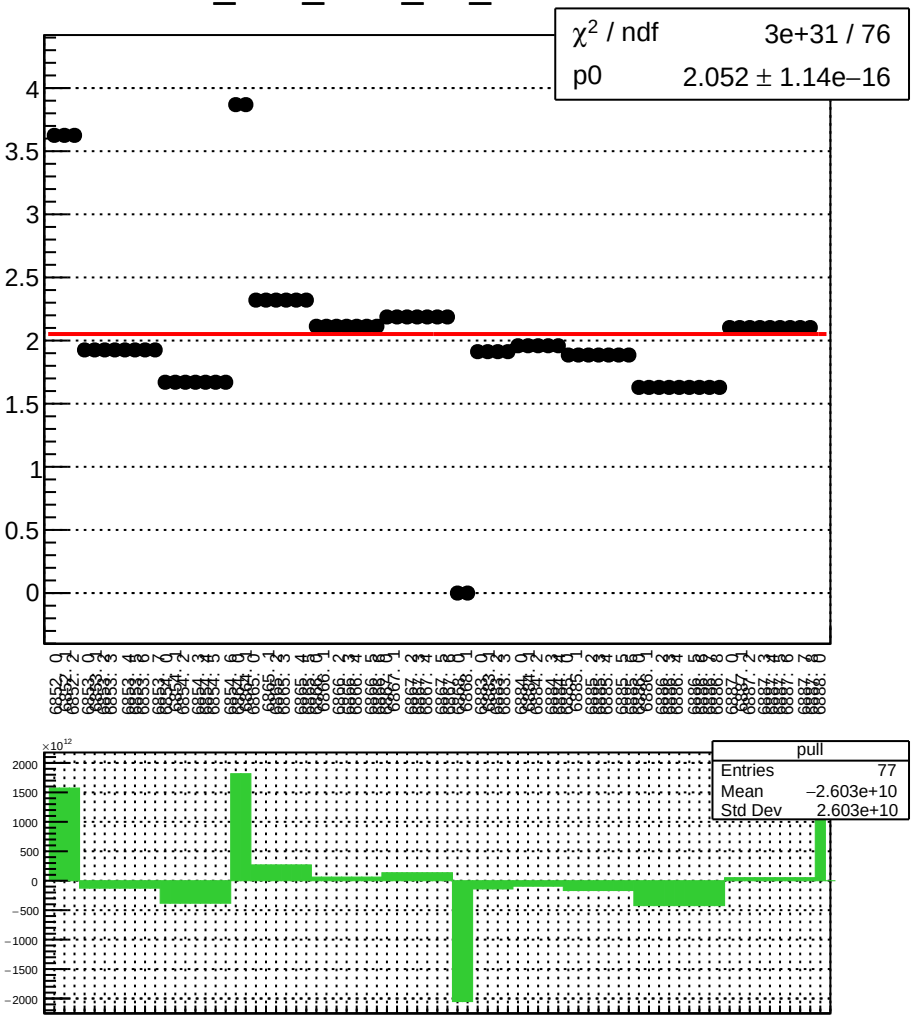


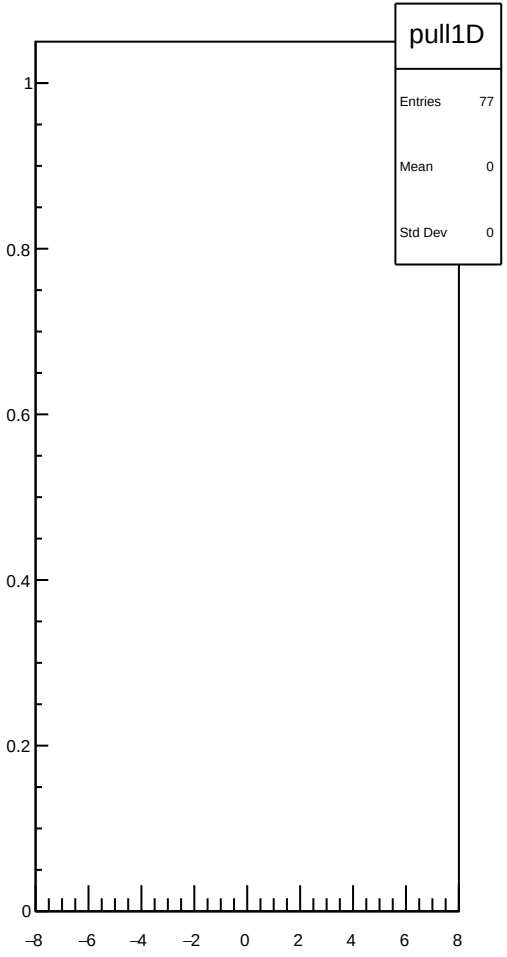
dit_4eX_coil3_mean vs run



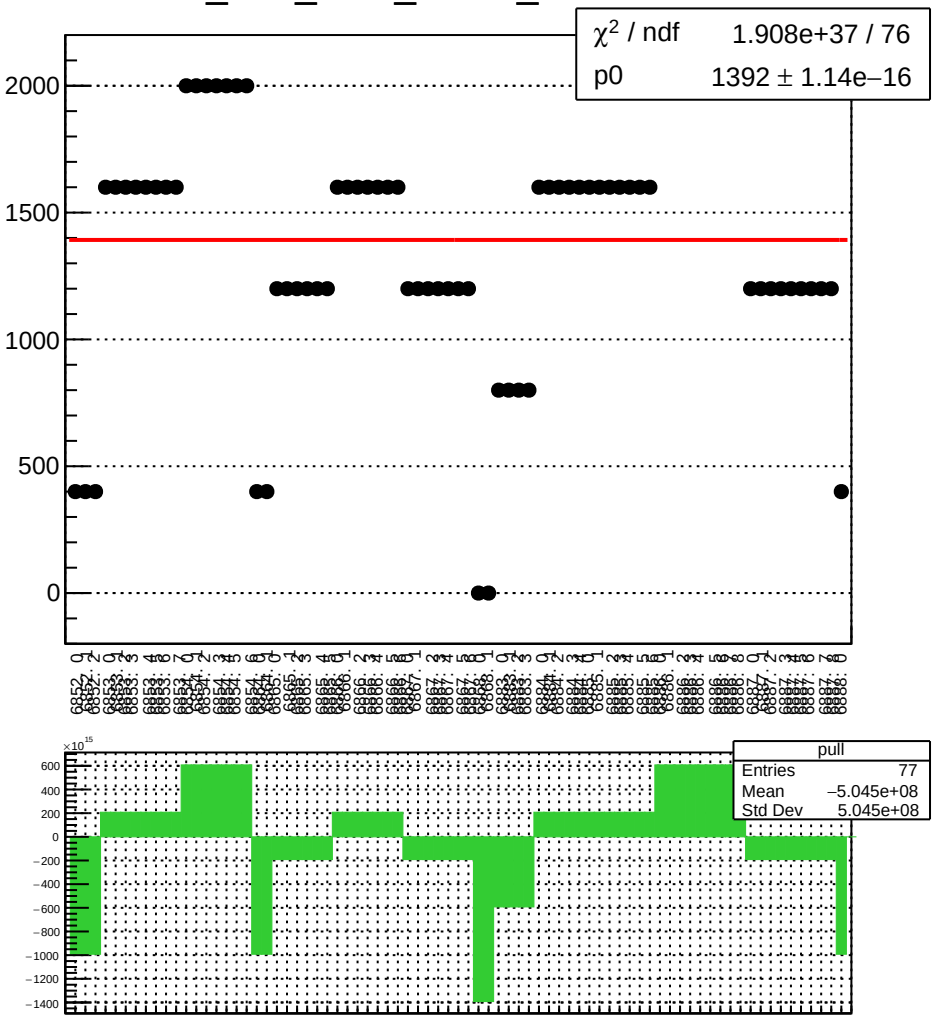


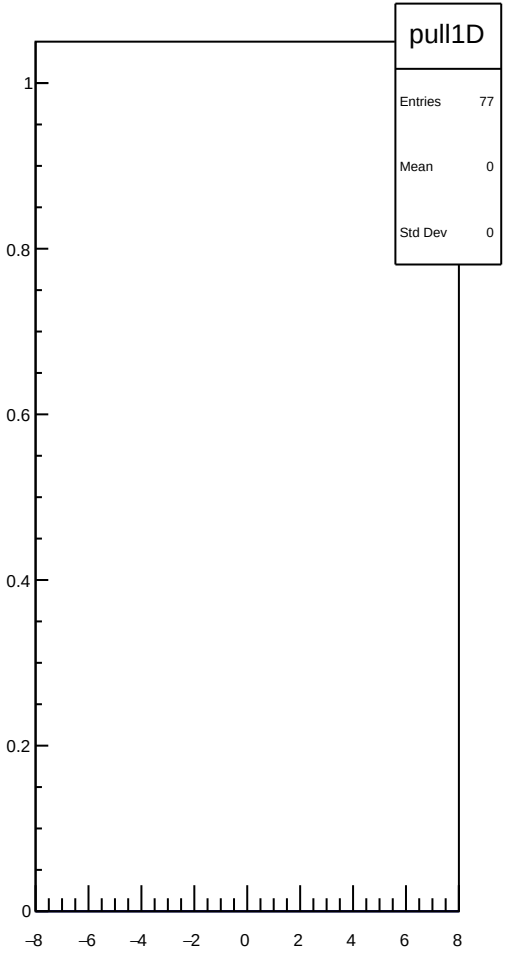
dit_4eX_coil3_err_mean vs run



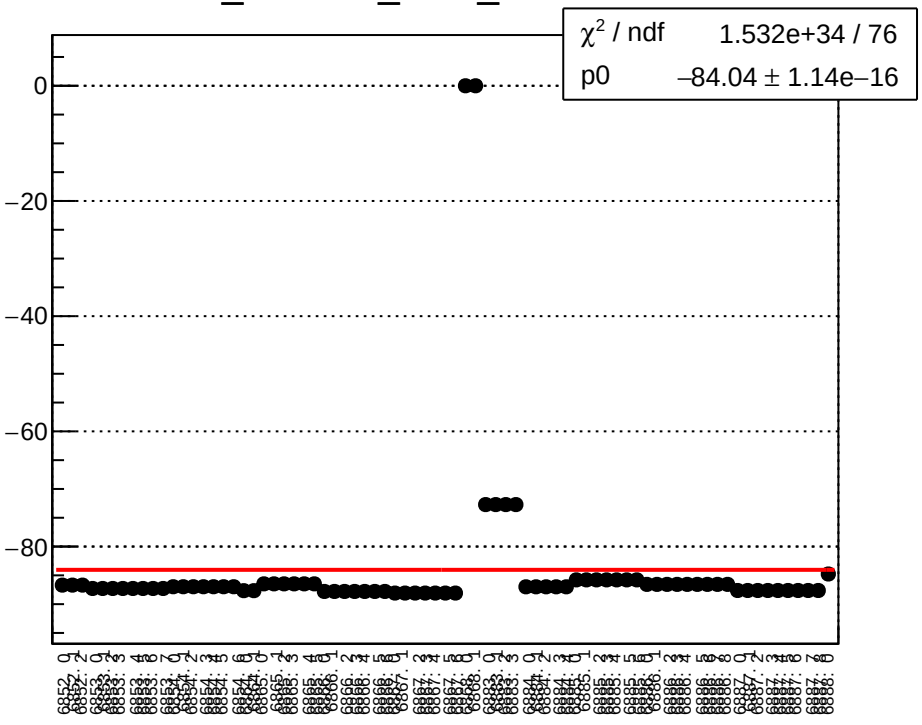


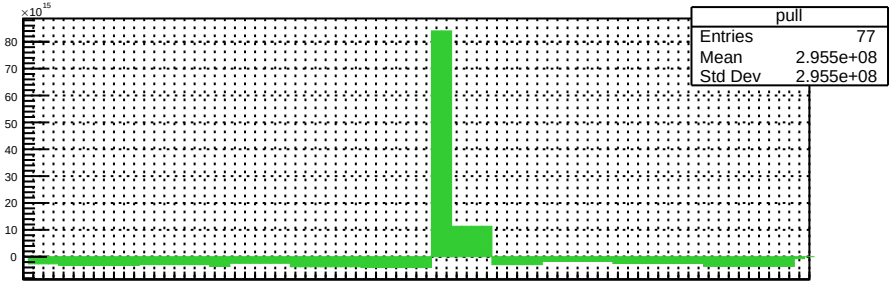
dit_4eX_coil3_Ndata_mean vs run

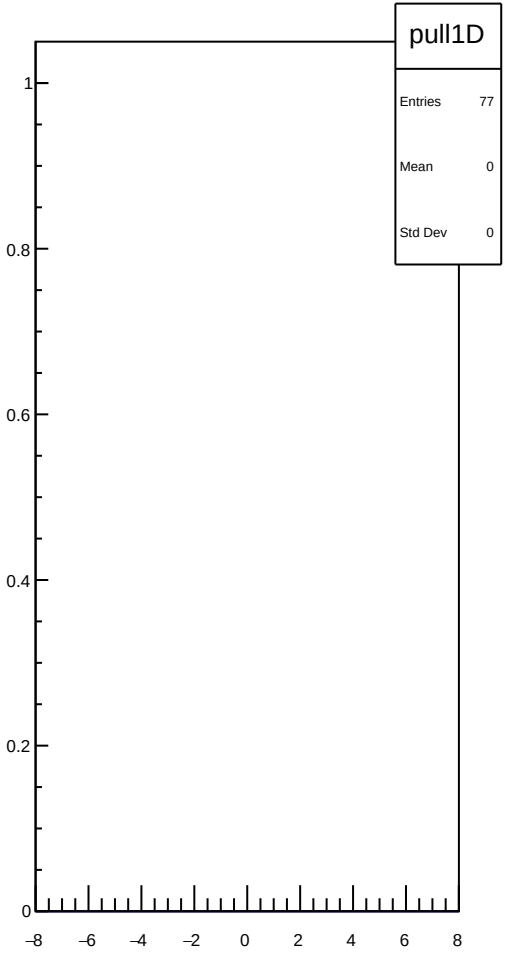




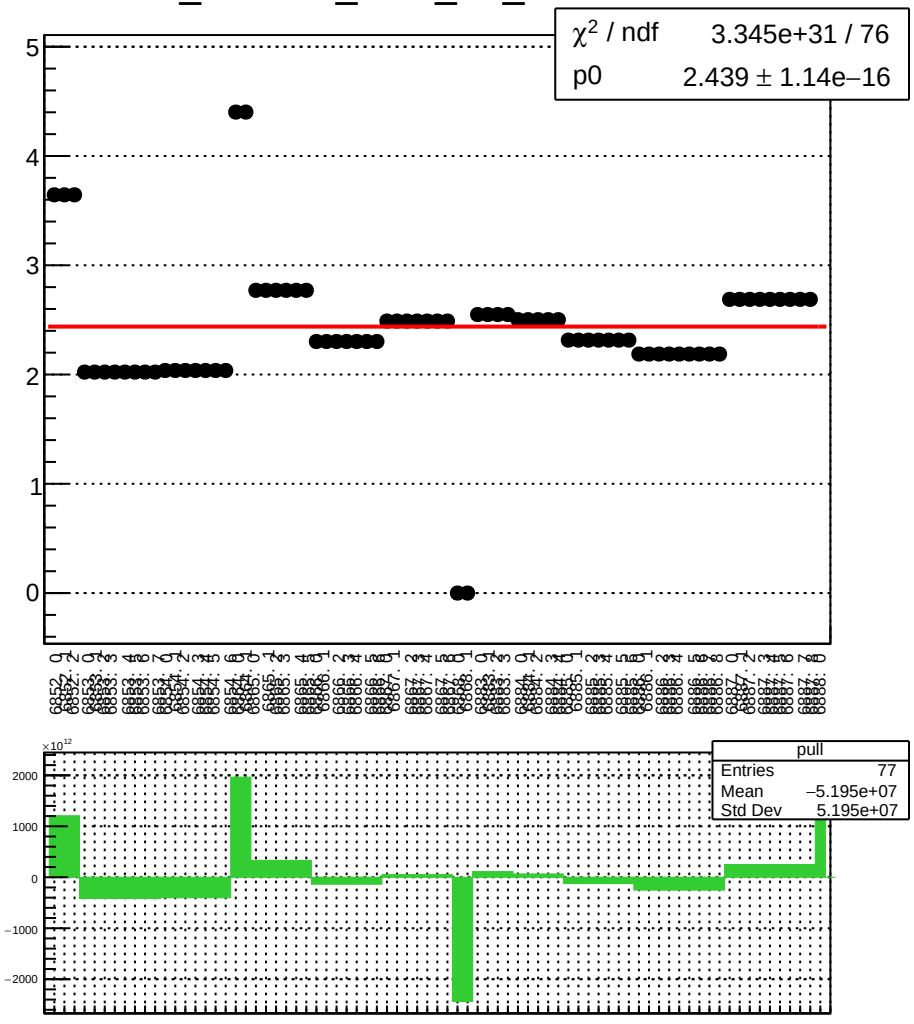
dit_11X12X_coil3_mean vs run

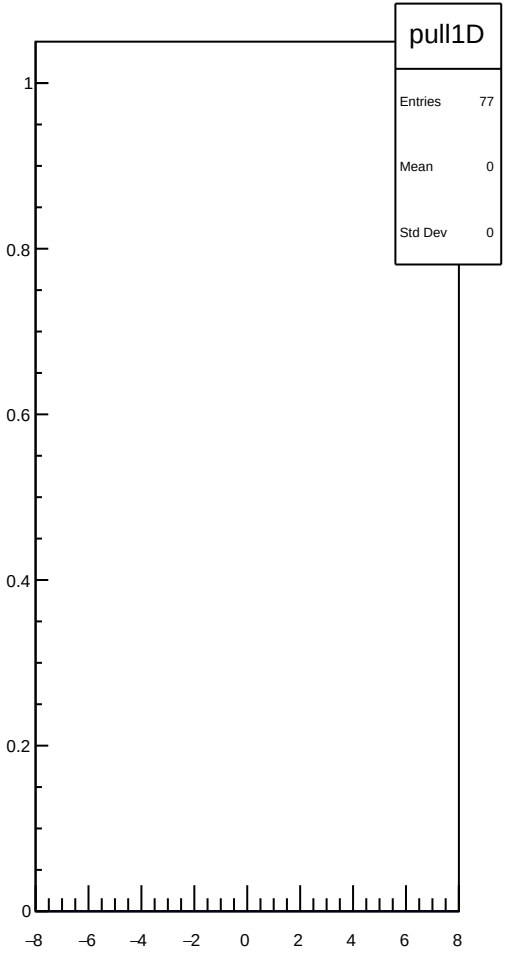


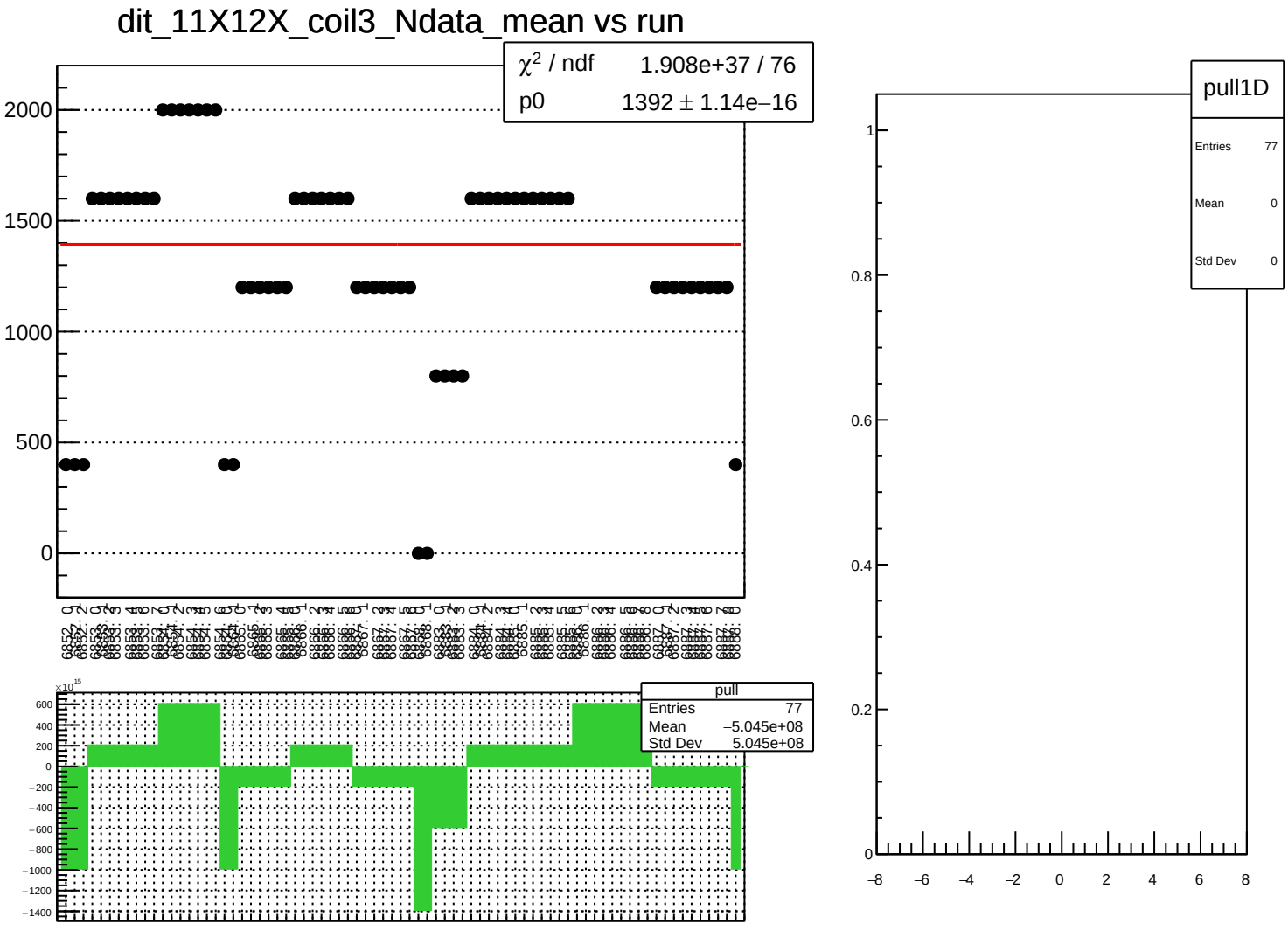


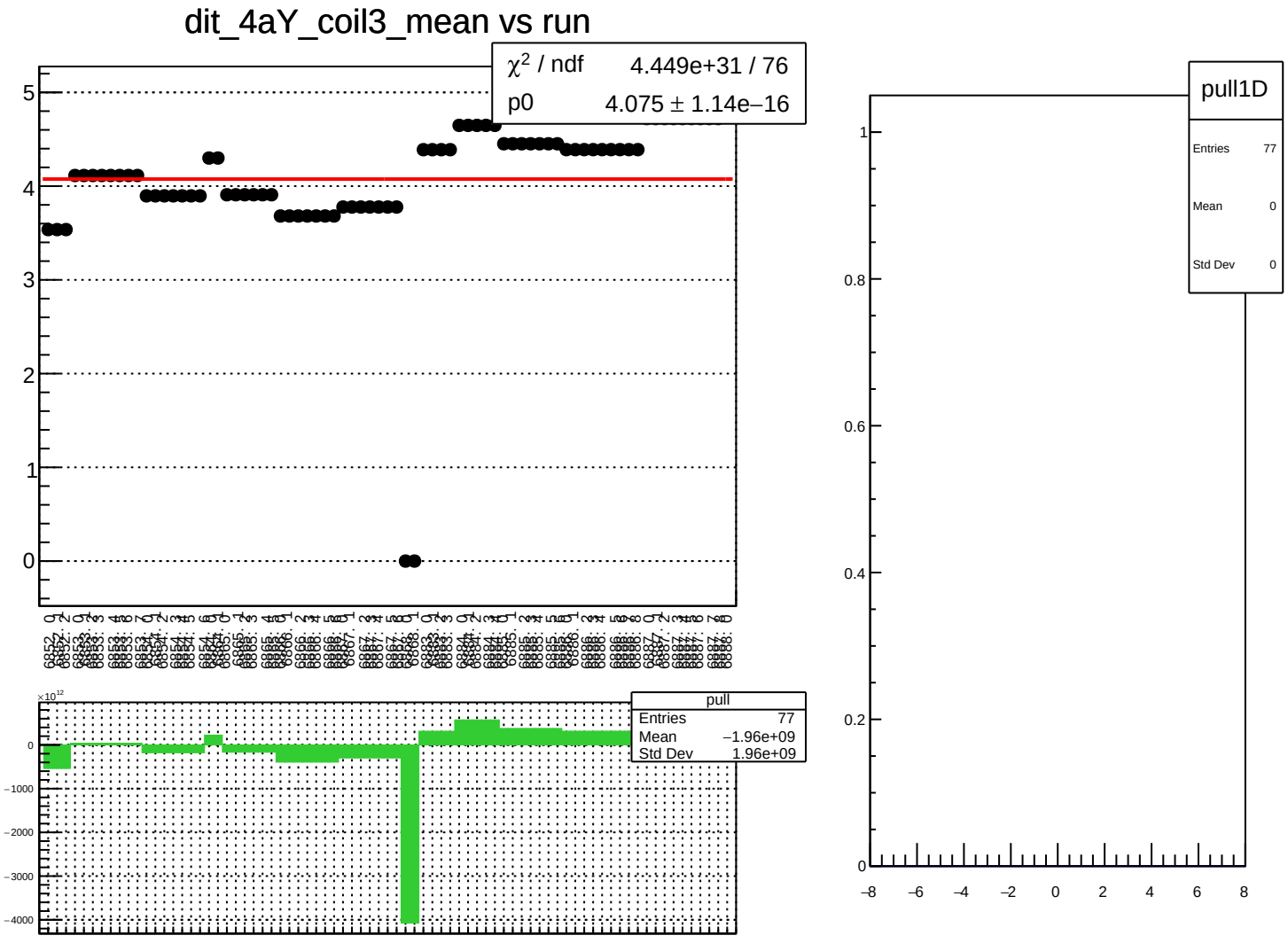


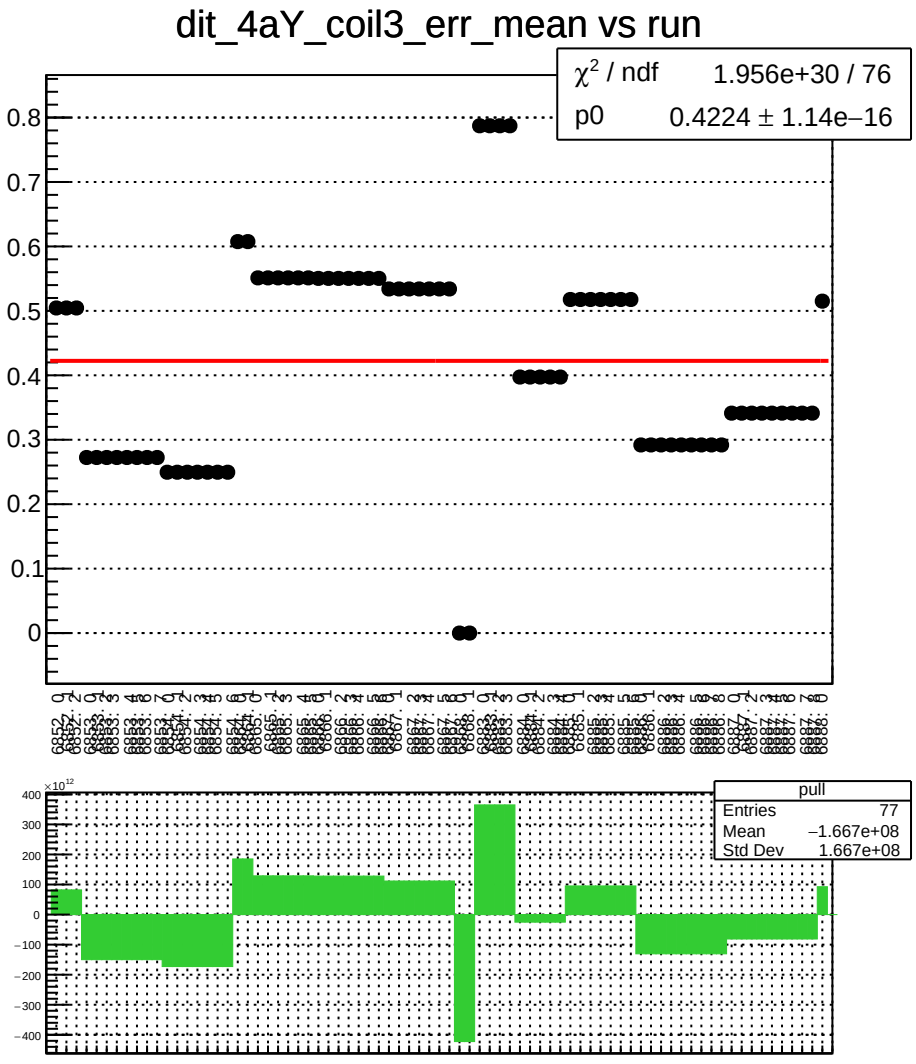
dit_11X12X_coil3_err_mean vs run

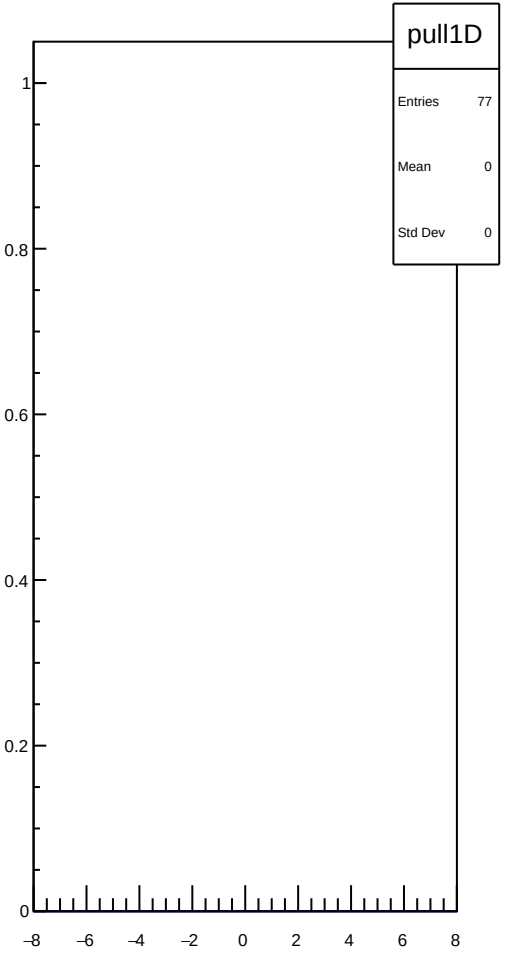


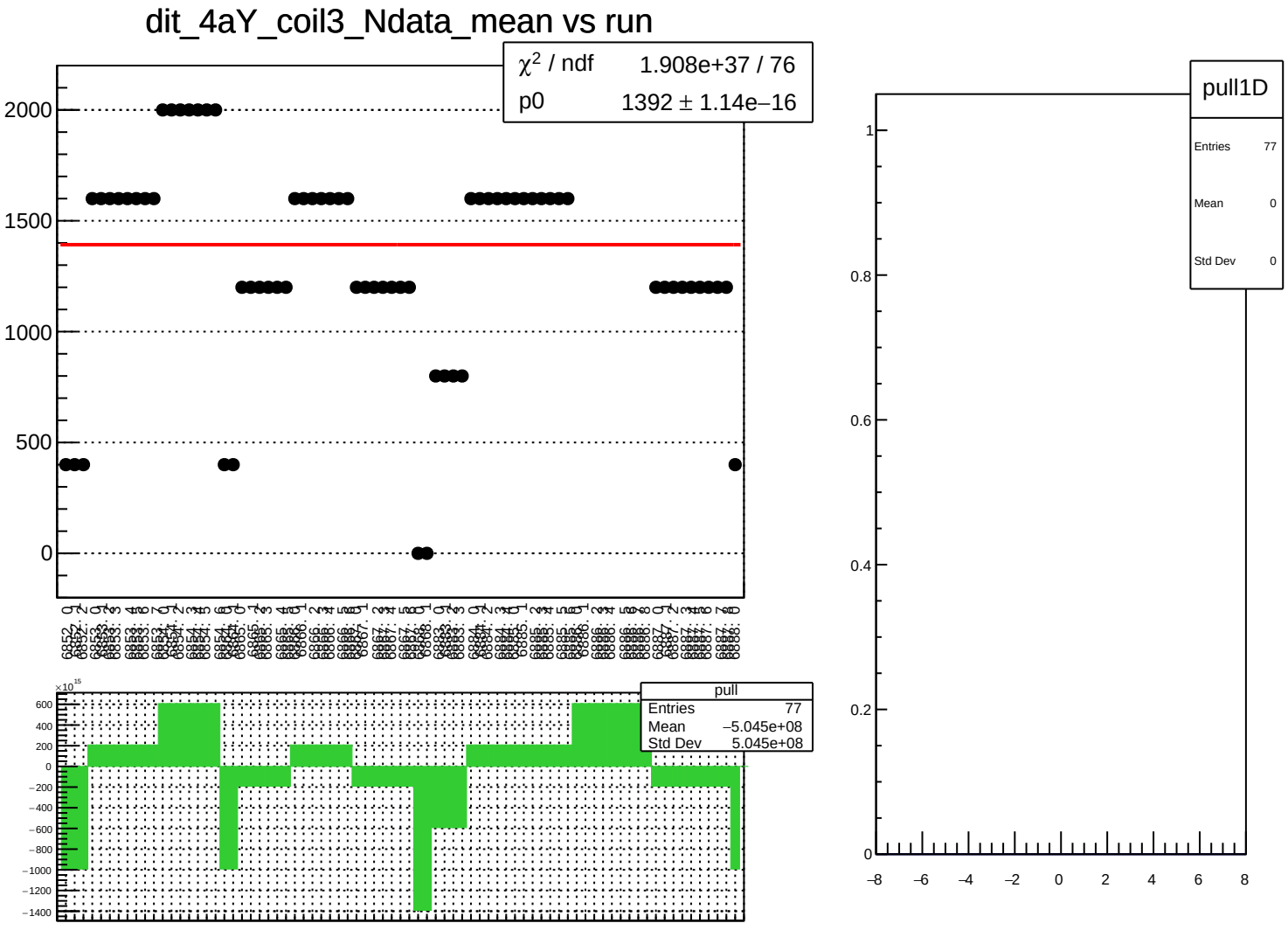


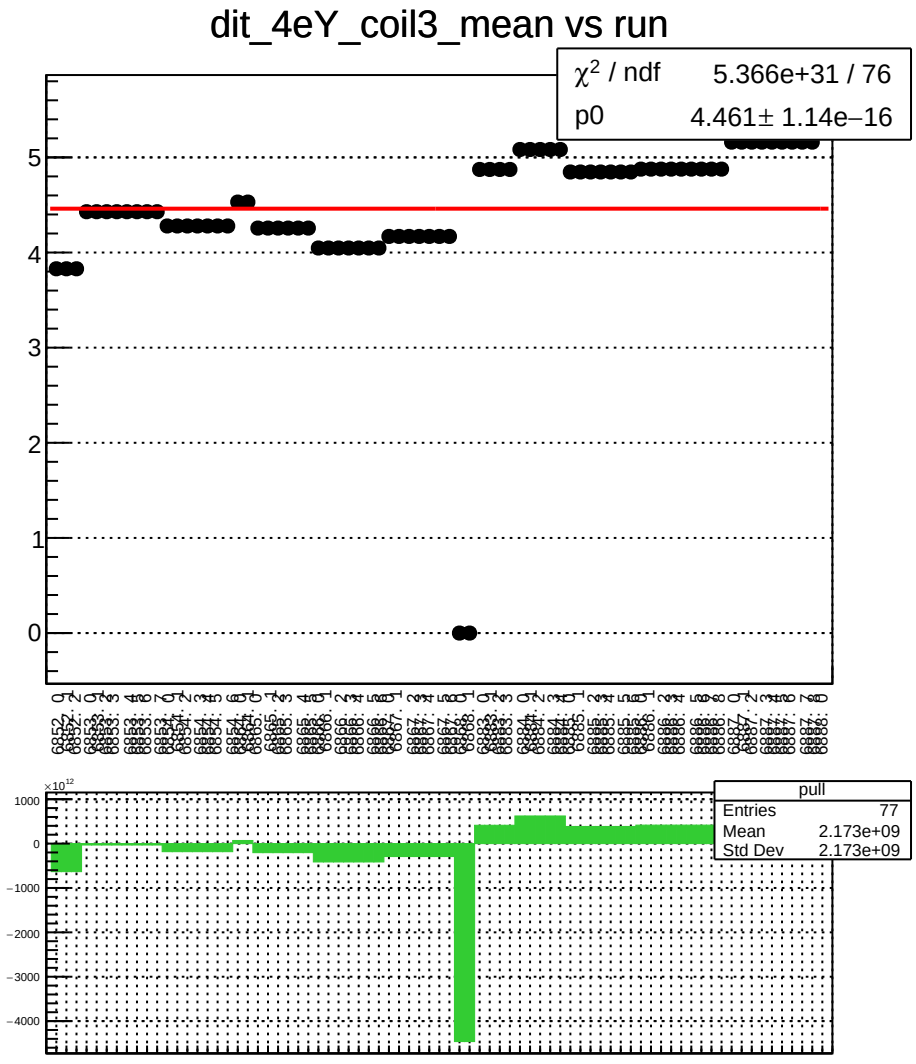

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

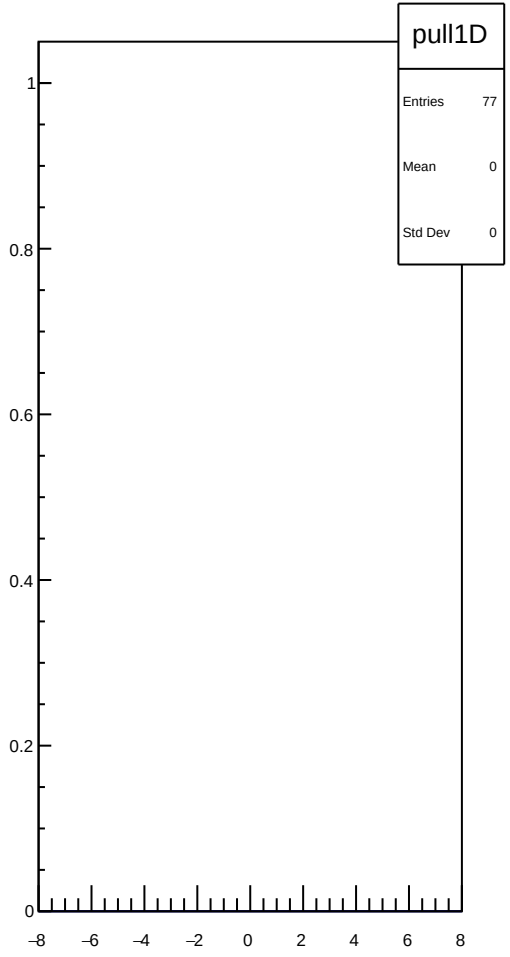

dit_4aY_coil3_mean vs run
χ^2 / ndf 4.449e+31 / 76
p0 4.075 ± 1.14e−16
pull
Entries 77
Mean −1.96e+09
Std Dev 1.96e+09
pull1D
Entries 77
Mean 0
Std Dev 0

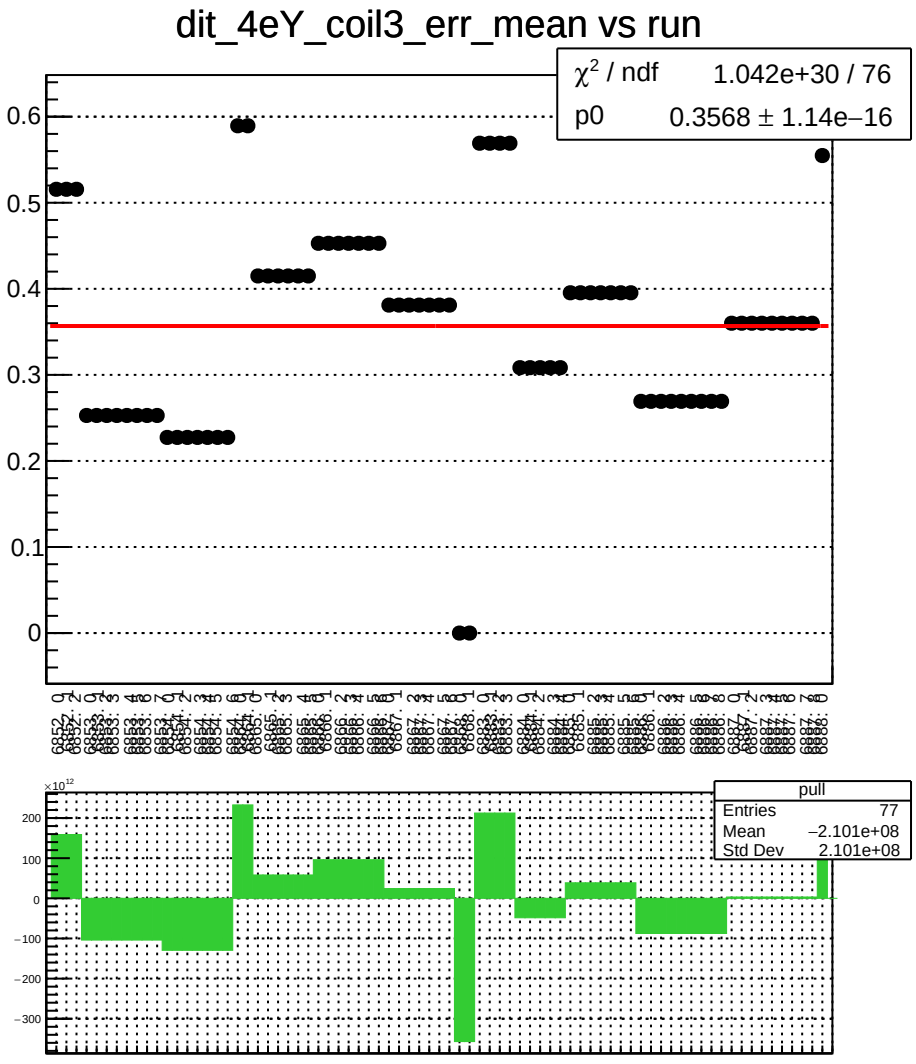

dit_4aY_coil3_err_mean vs run
χ^2 / ndf 1.956e+30 / 76
p0 0.4224 ± 1.14e−16
pull
Entries 77
Mean −1.667e+08
Std Dev 1.667e+08

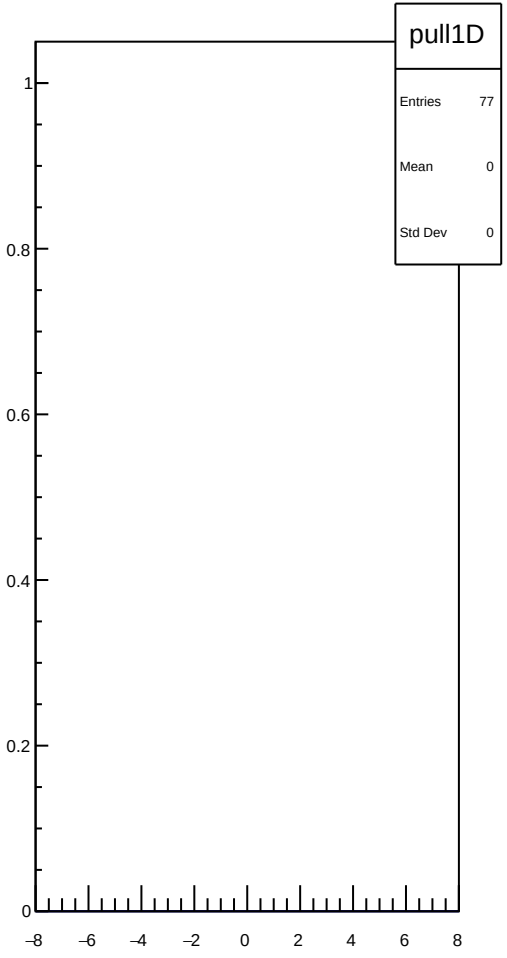

pull1D
Entries 77
Mean 0
Std Dev 0


dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

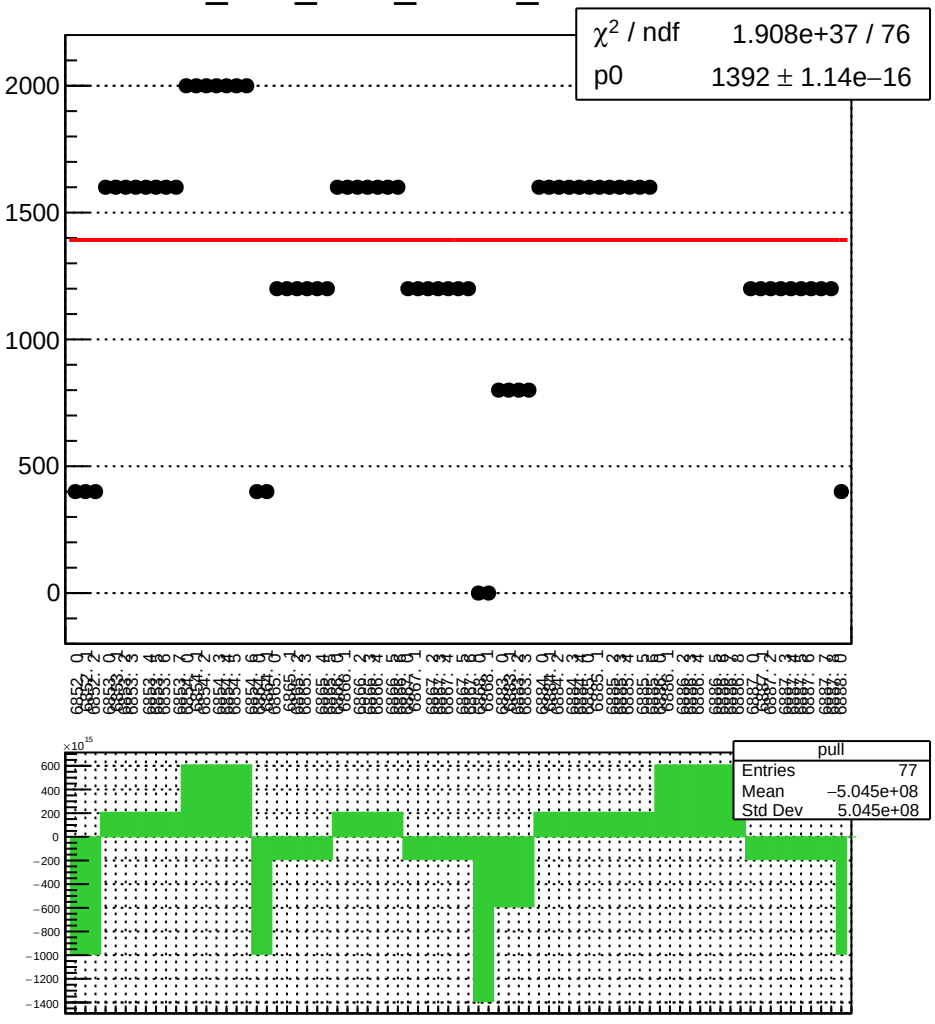

dit_4eY_coil3_mean vs run
χ^2 / ndf 5.366e+31 / 76
p0 4.461± 1.14e−16
pull
Entries 77
Mean 2.173e+09
Std Dev 2.173e+09

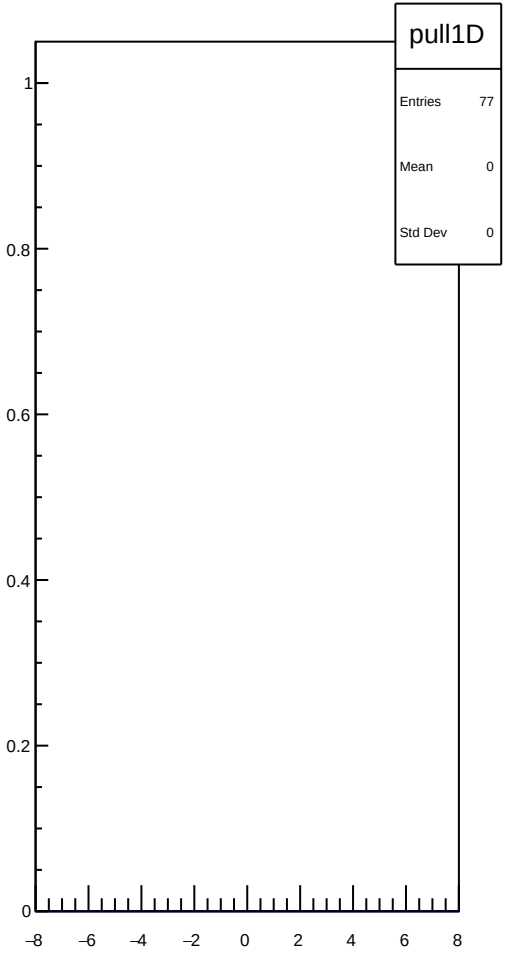

pull1D
Entries 77
Mean 0
Std Dev 0

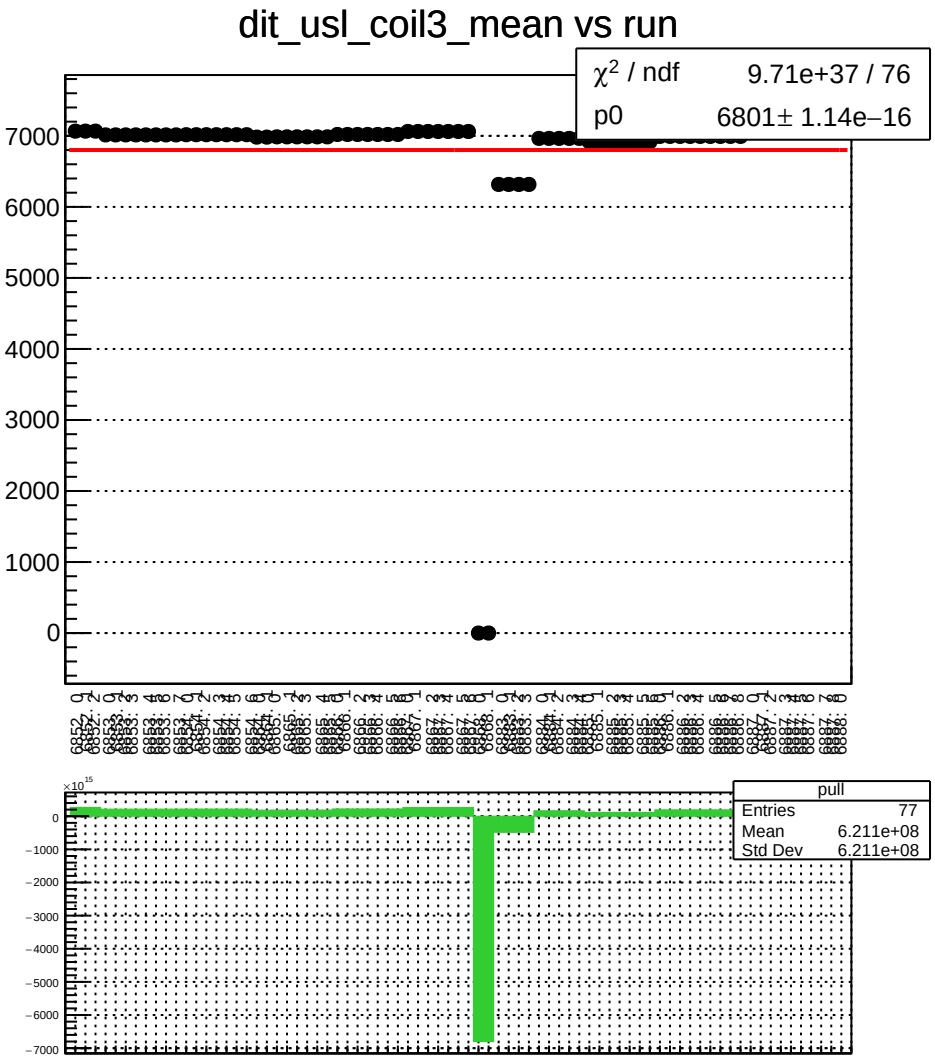

dit_4eY_coil3_err_mean vs run
χ^2 / ndf 1.042e+30 / 76
p0 0.3568 ± 1.14e−16
pull
Entries 77
Mean −2.101e+08
Std Dev 2.101e+08

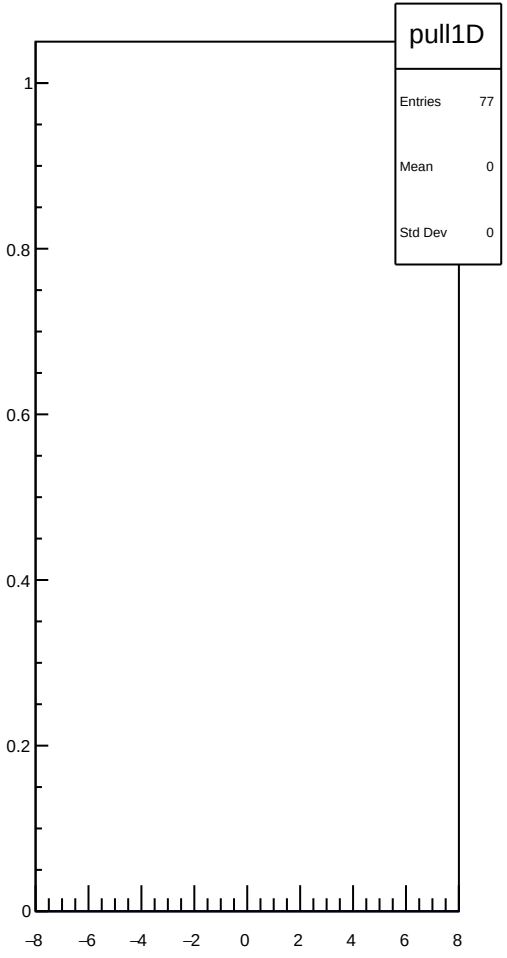

pull1D
Entries 77
Mean 0
Std Dev 0

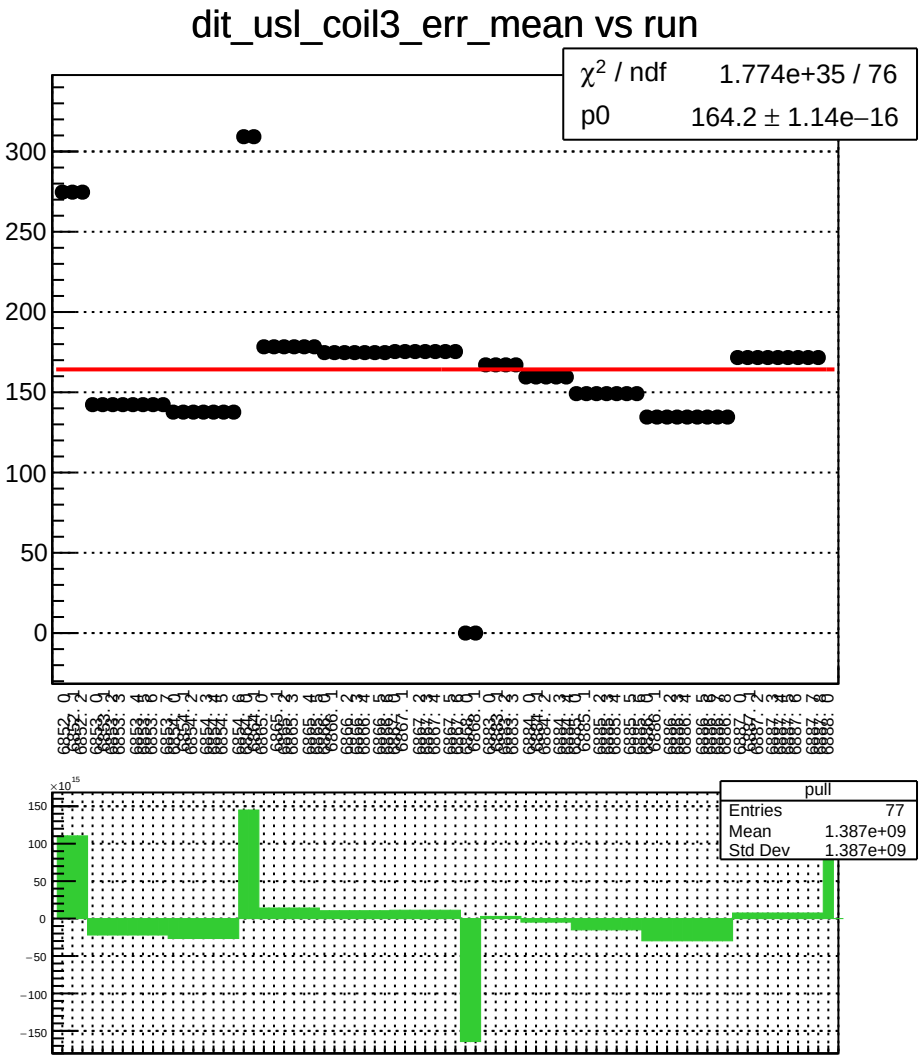
dit_4eY_coil3_Ndata_mean vs run

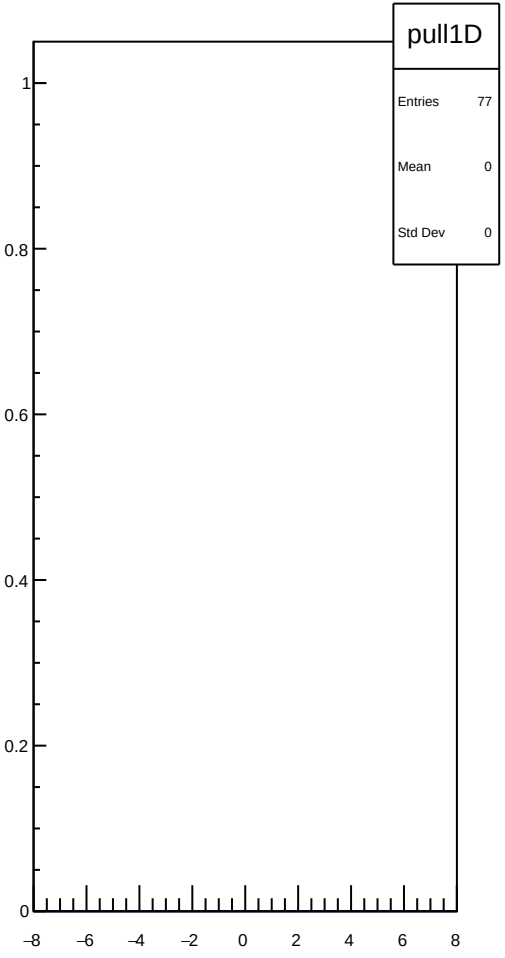


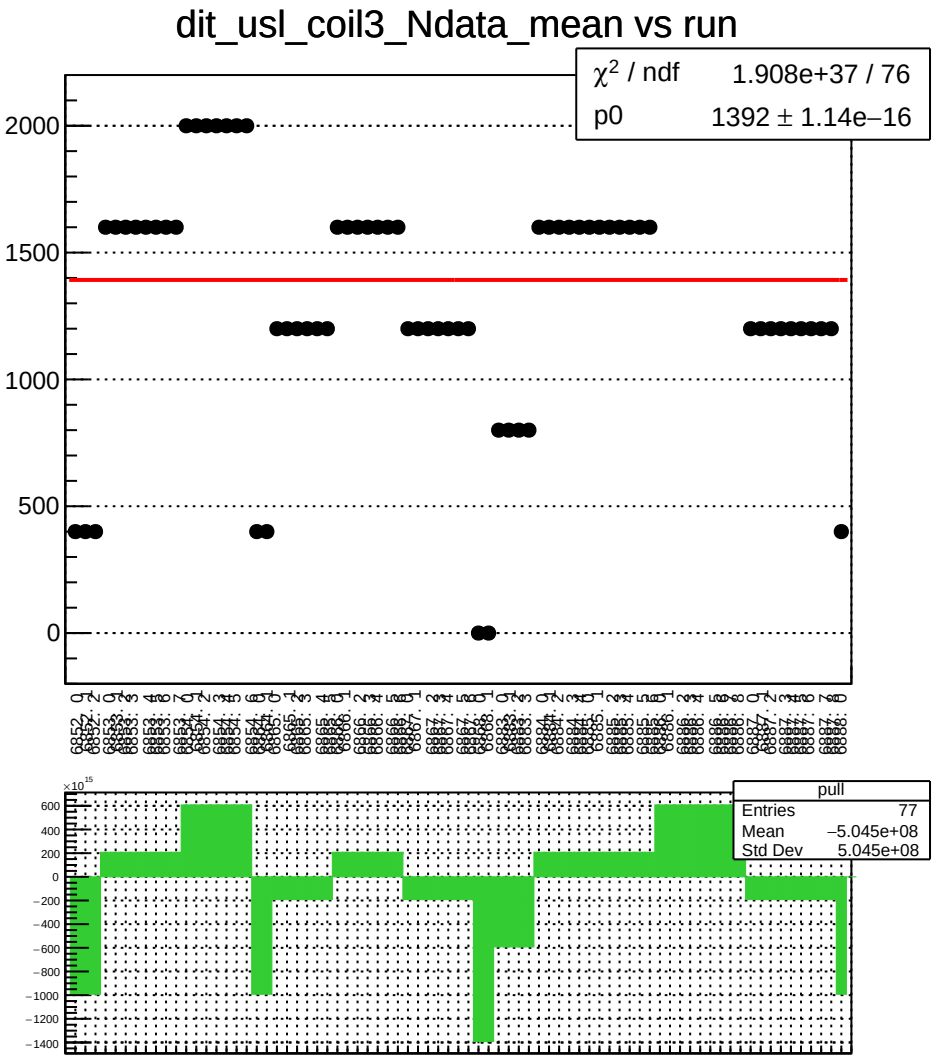


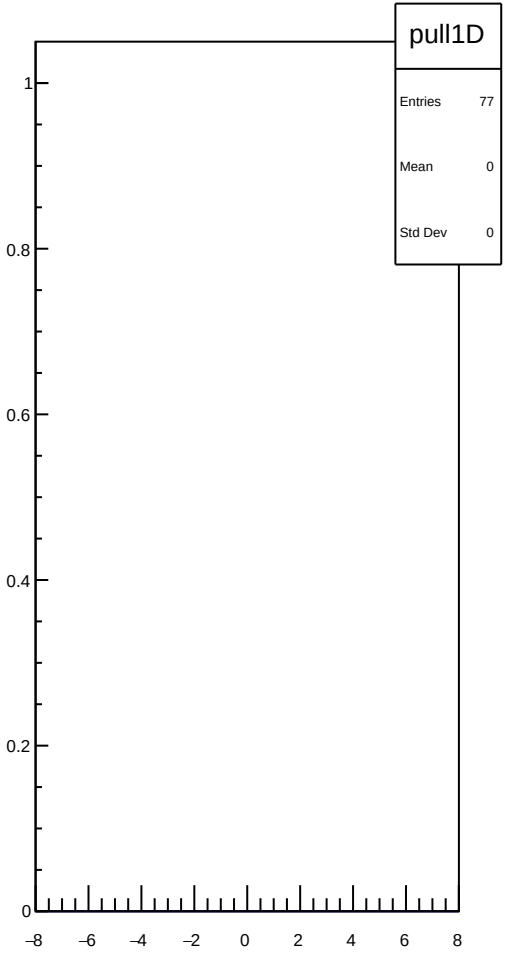

dit_usl_coil3_mean vs run
χ^2 / ndf 9.71e+37 / 76
p0 6801± 1.14e−16
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean 6.211e+08
Std Dev 6.211e+08
×10^15
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

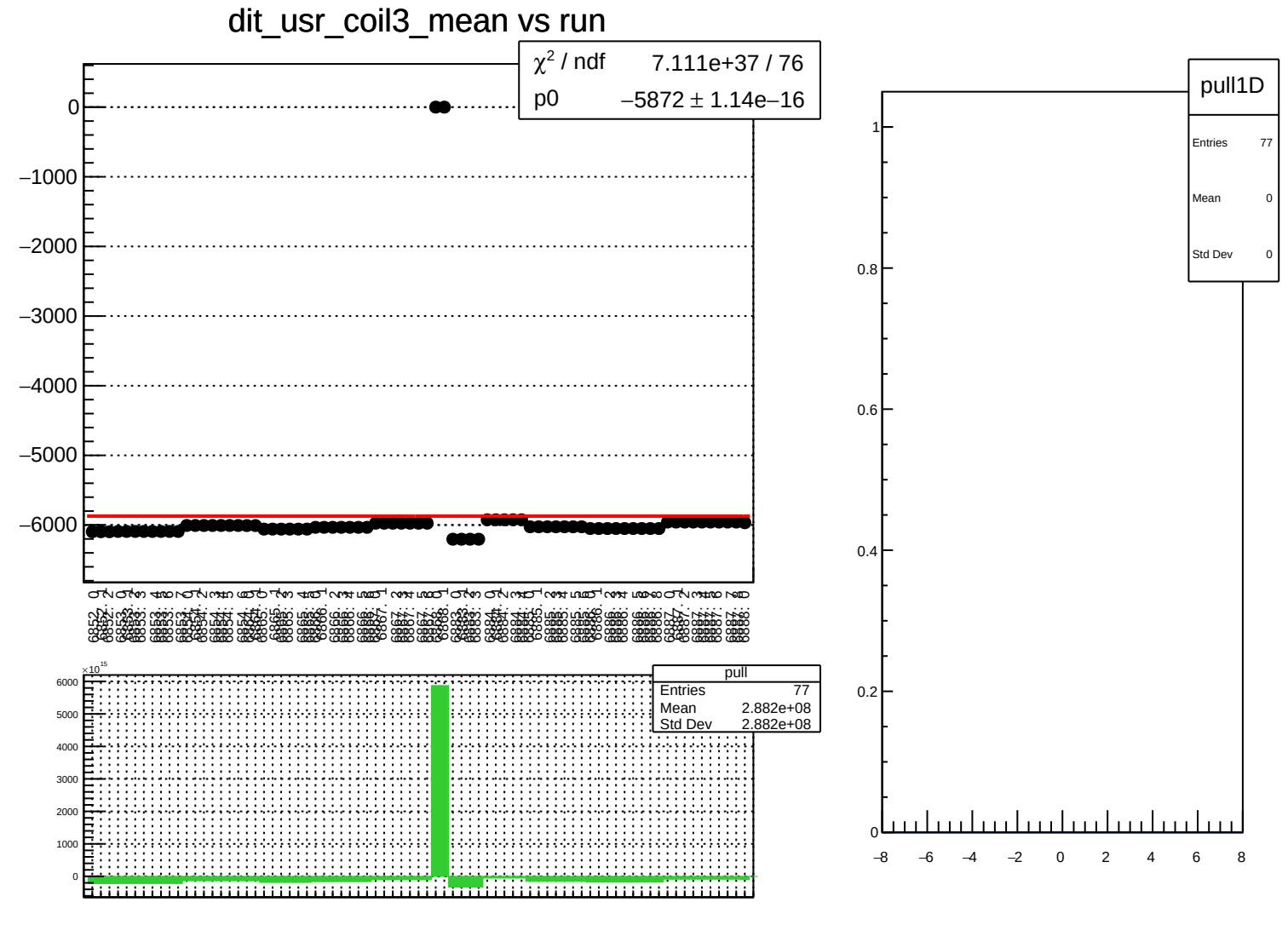

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

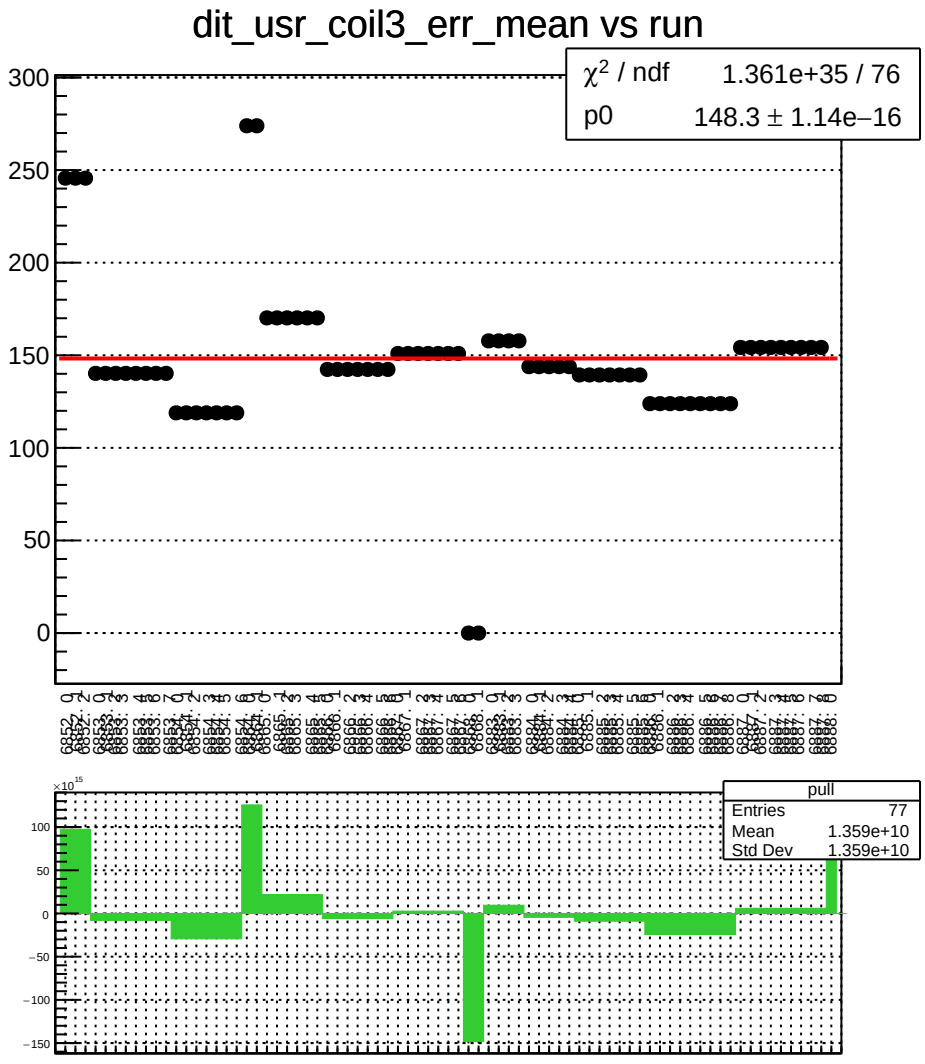

dit_usl_coil3_err_mean vs run
χ² / ndf 1.774e+35 / 76
p0 164.2 ± 1.14e−16
pull
Entries 77
Mean 1.387e+09
Std Dev 1.387e+09

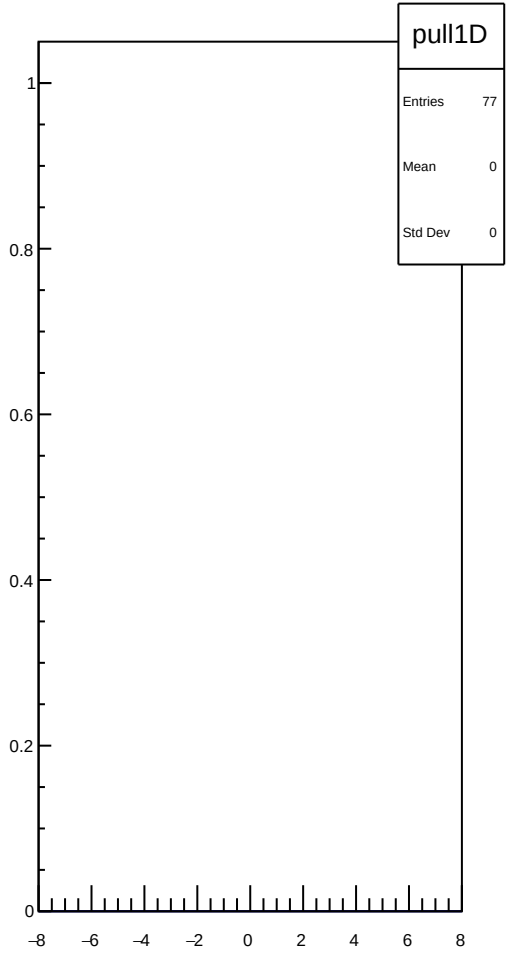

pull1D
Entries 77
Mean 0
Std Dev 0

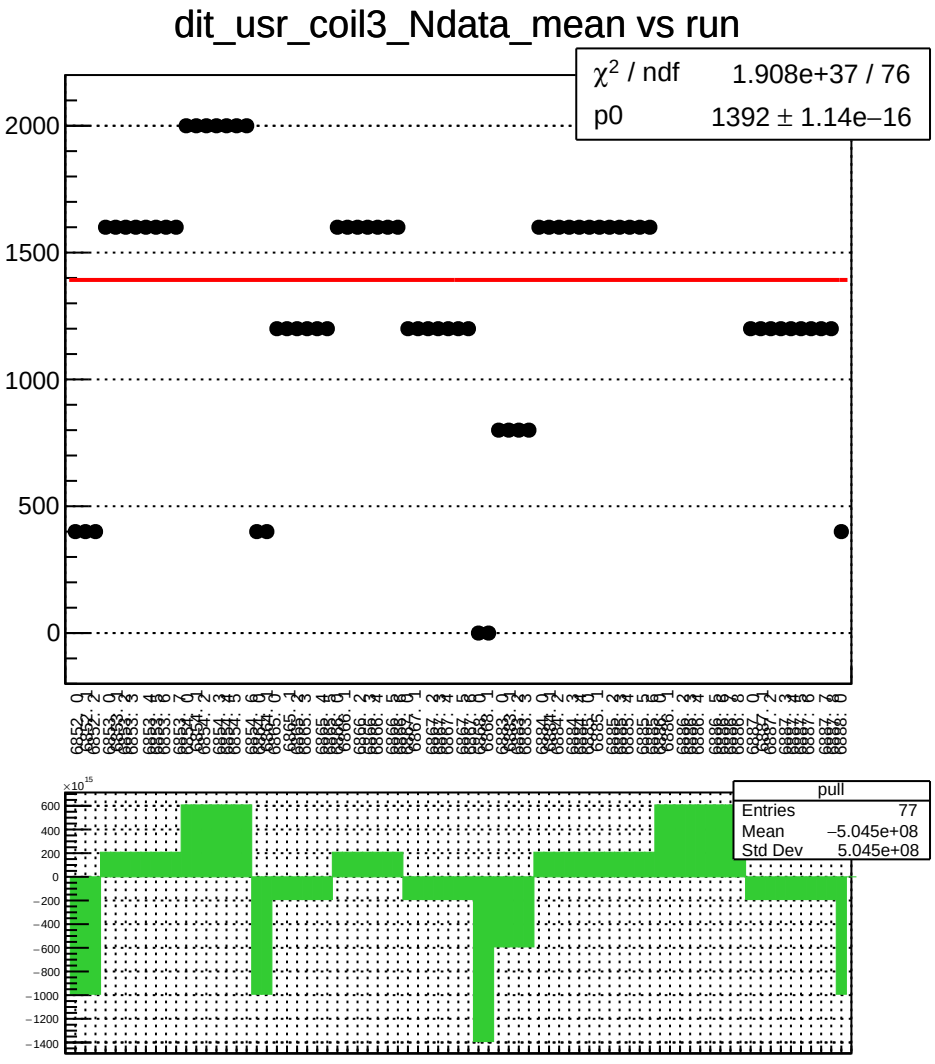

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

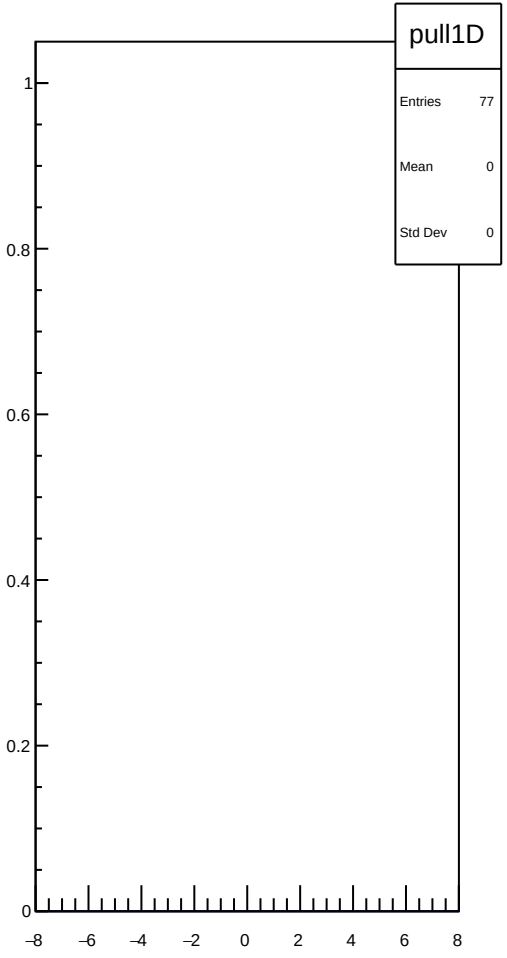

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil3_mean vs run
χ^2 / ndf 7.111e+37 / 76
p0 −5872 ± 1.14e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 77
Mean 2.882e+08
Std Dev 2.882e+08
×10^15
6000
5000
4000
3000
2000
1000
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil3_err_mean vs run
χ² / ndf 1.361e+35 / 76
p0 148.3 ± 1.14e−16
pull
Entries 77
Mean 1.359e+10
Std Dev 1.359e+10


pull1D
Entries 77
Mean 0
Std Dev 0


dit_usr_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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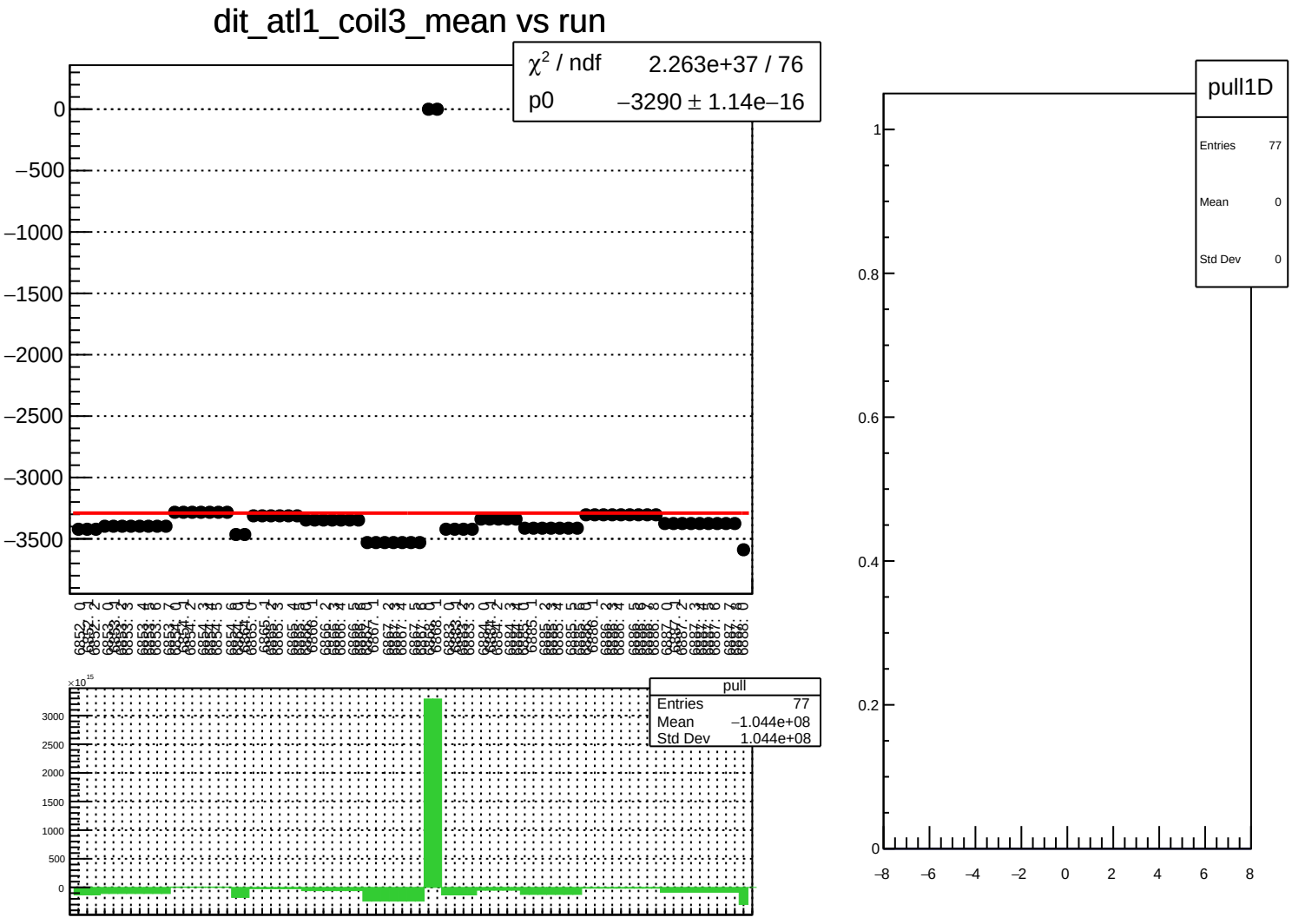
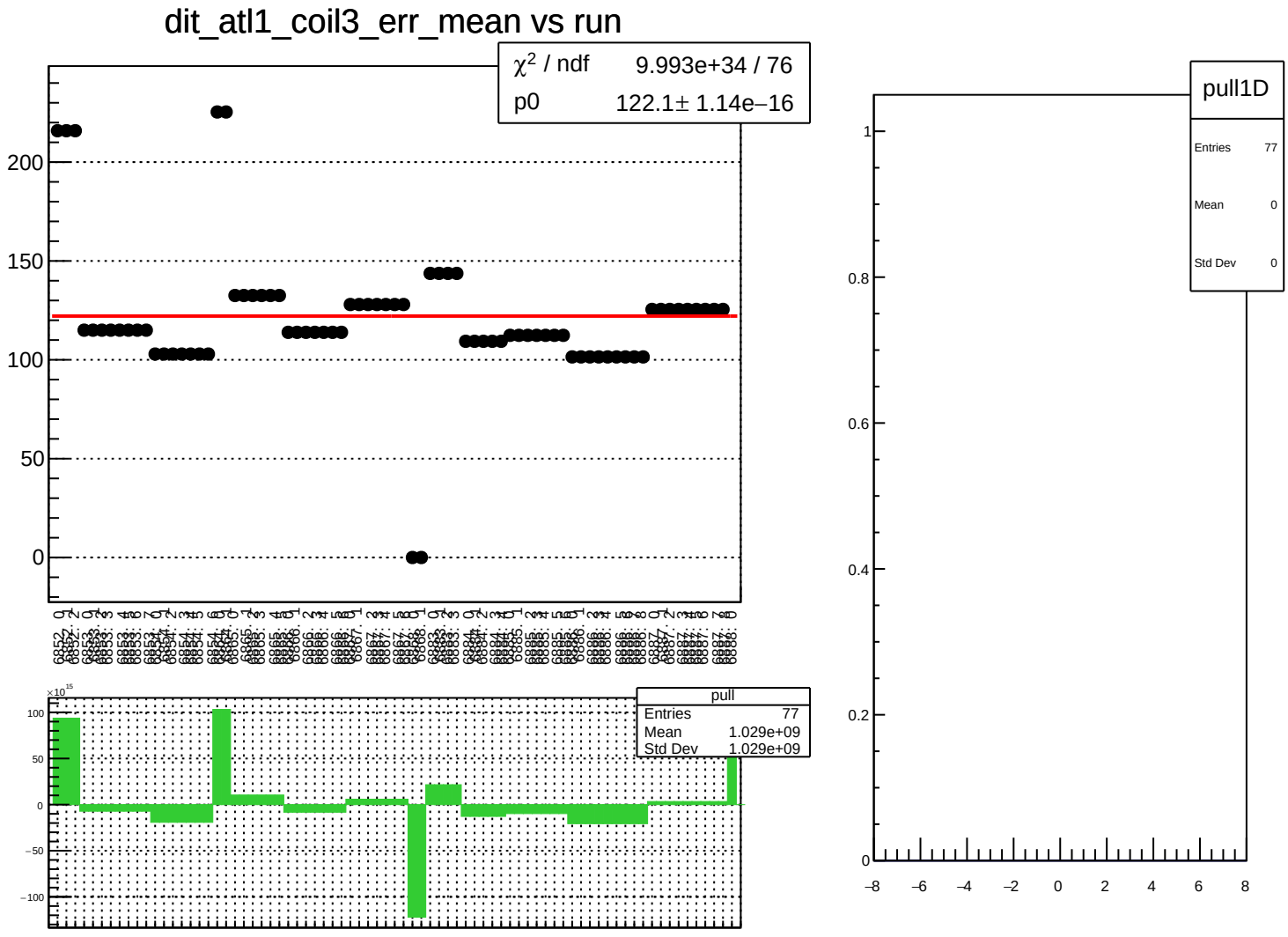
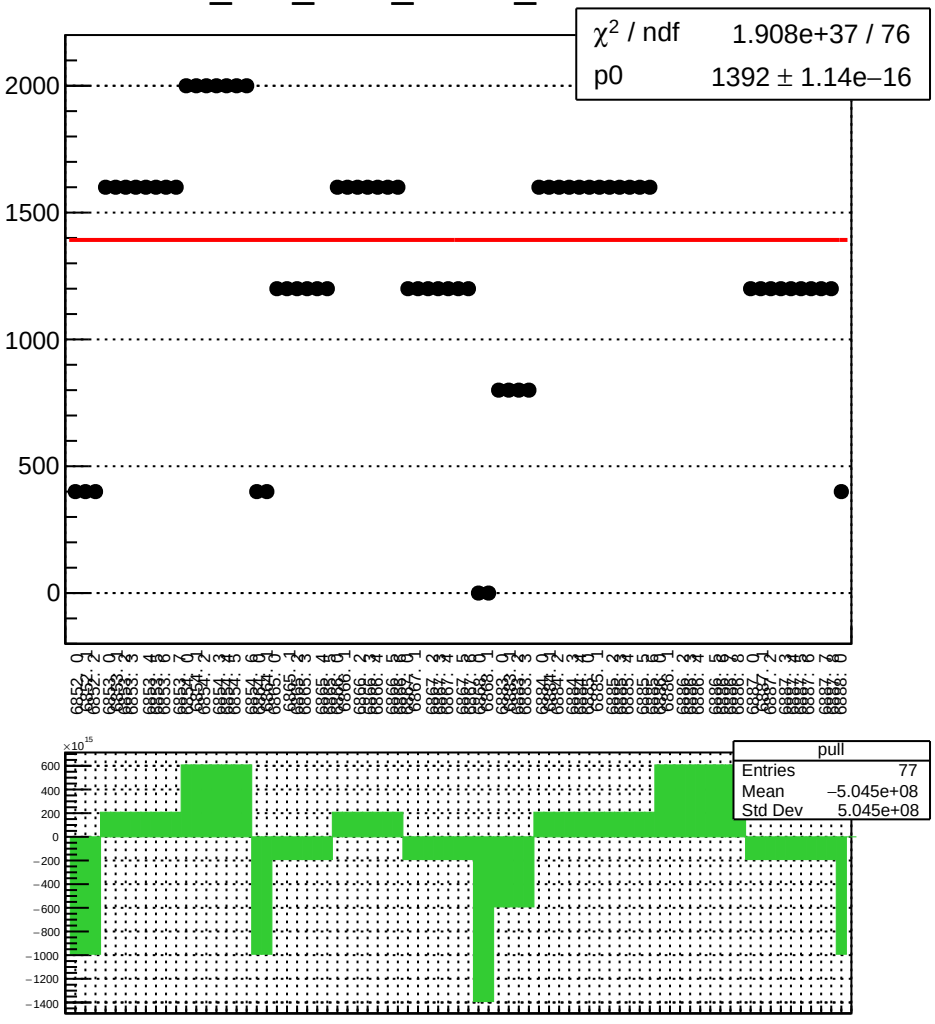
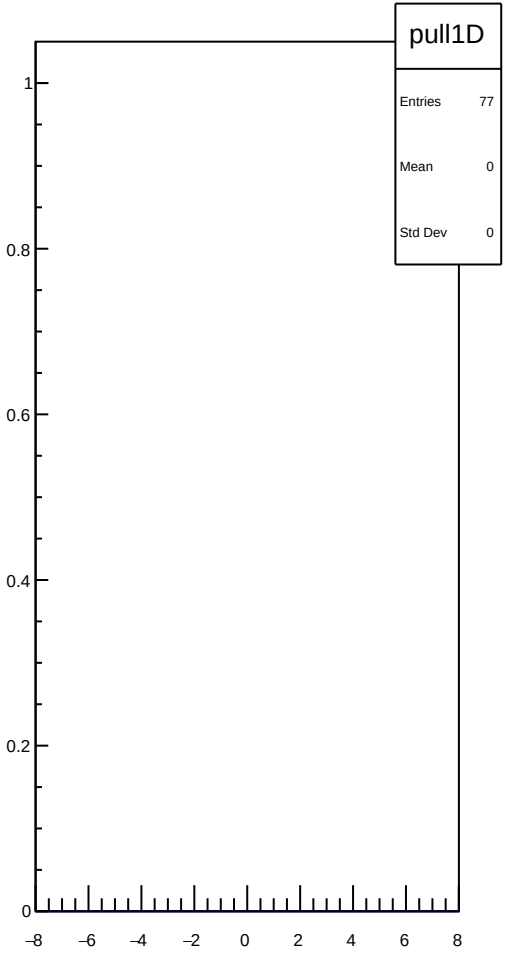
2
4
6
8

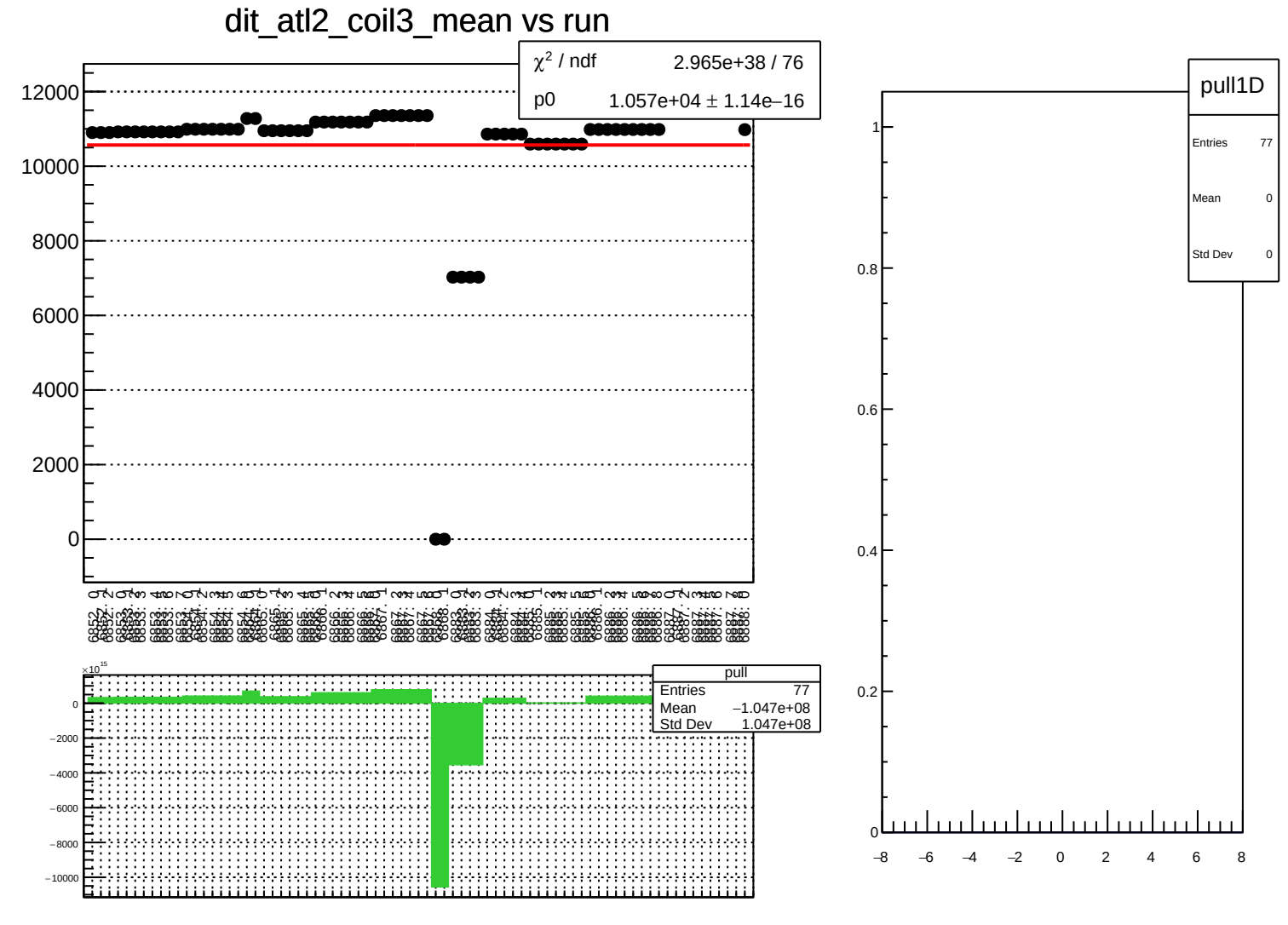

dit_atl1_coil3_mean vs run
χ² / ndf 2.263e+37 / 76
p0 −3290 ± 1.14e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 77
Mean −1.044e+08
Std Dev 1.044e+08
×10¹⁵
3000
2500
2000
1500
1000
500
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

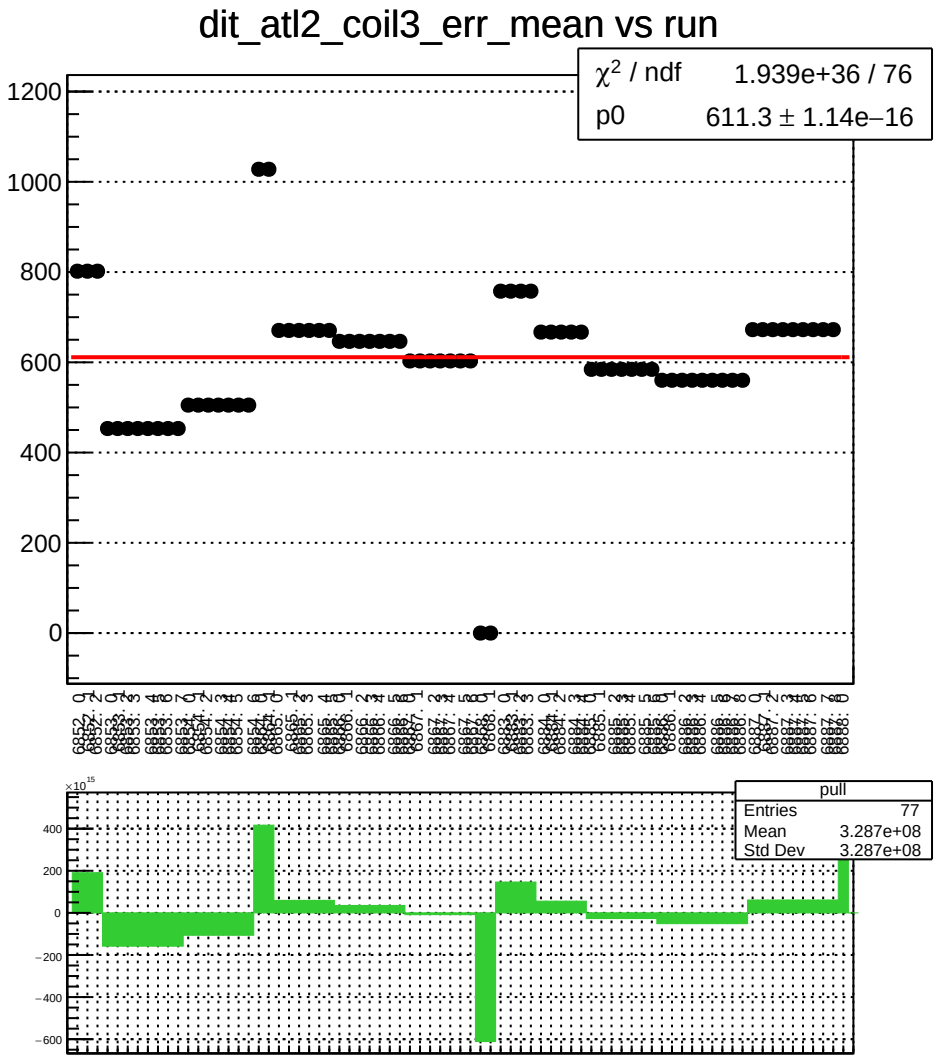

dit_atl1_coil3_err_mean vs run
χ² / ndf 9.993e+34 / 76
p0 122.1± 1.14e−16
pull
Entries 77
Mean 1.029e+09
Std Dev 1.029e+09
pull1D
Entries 77
Mean 0
Std Dev 0

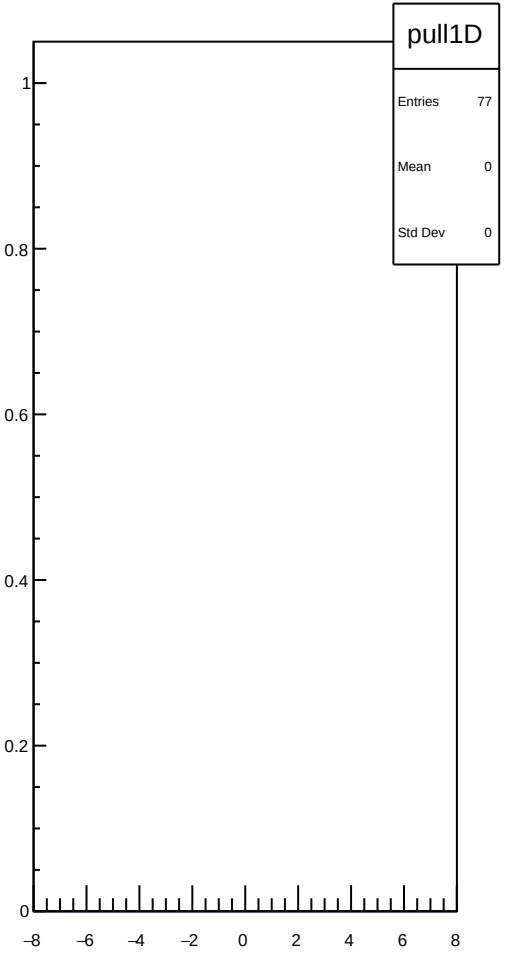
dit_atl1_coil3_Ndata_mean vs run



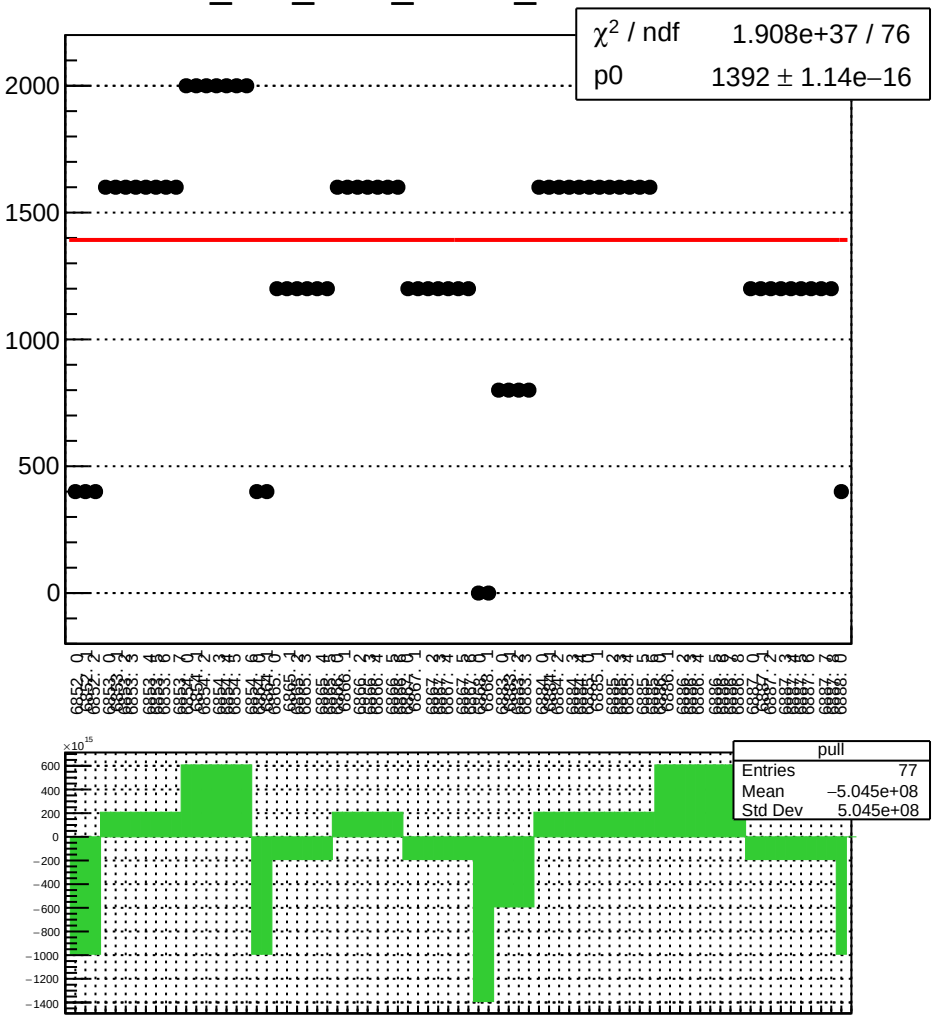


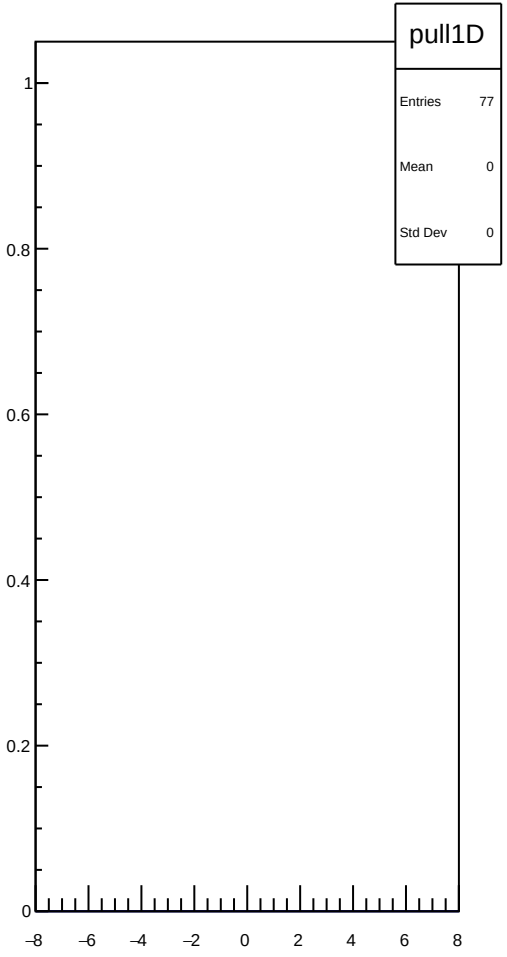

dit_atl2_coil3_mean vs run
χ² / ndf 2.965e+38 / 76
p0 1.057e+04 ± 1.14e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 77
Mean −1.047e+08
Std Dev 1.047e+08
×10¹⁵
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

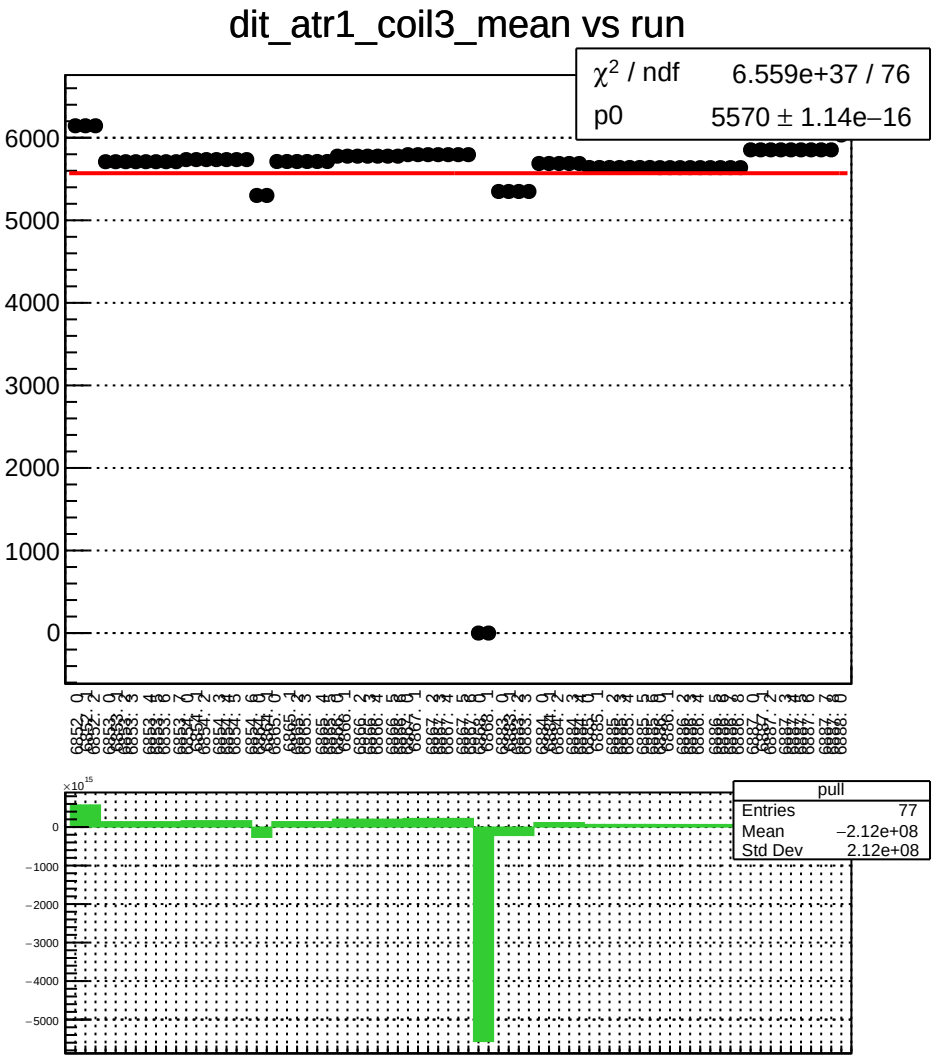

dit_atl2_coil3_err_mean vs run
χ² / ndf 1.939e+36 / 76
p0 611.3 ± 1.14e−16
pull
Entries 77
Mean 3.287e+08
Std Dev 3.287e+08

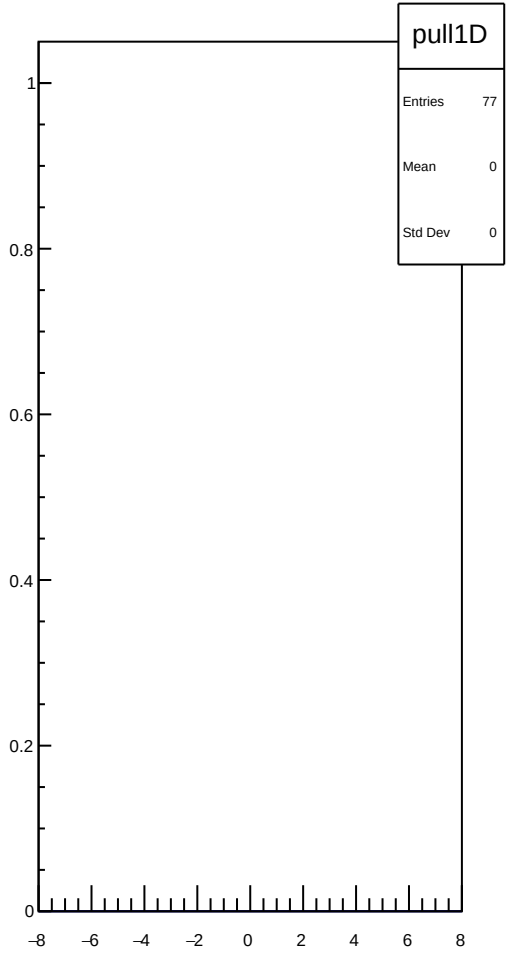

pull1D
Entries 77
Mean 0
Std Dev 0

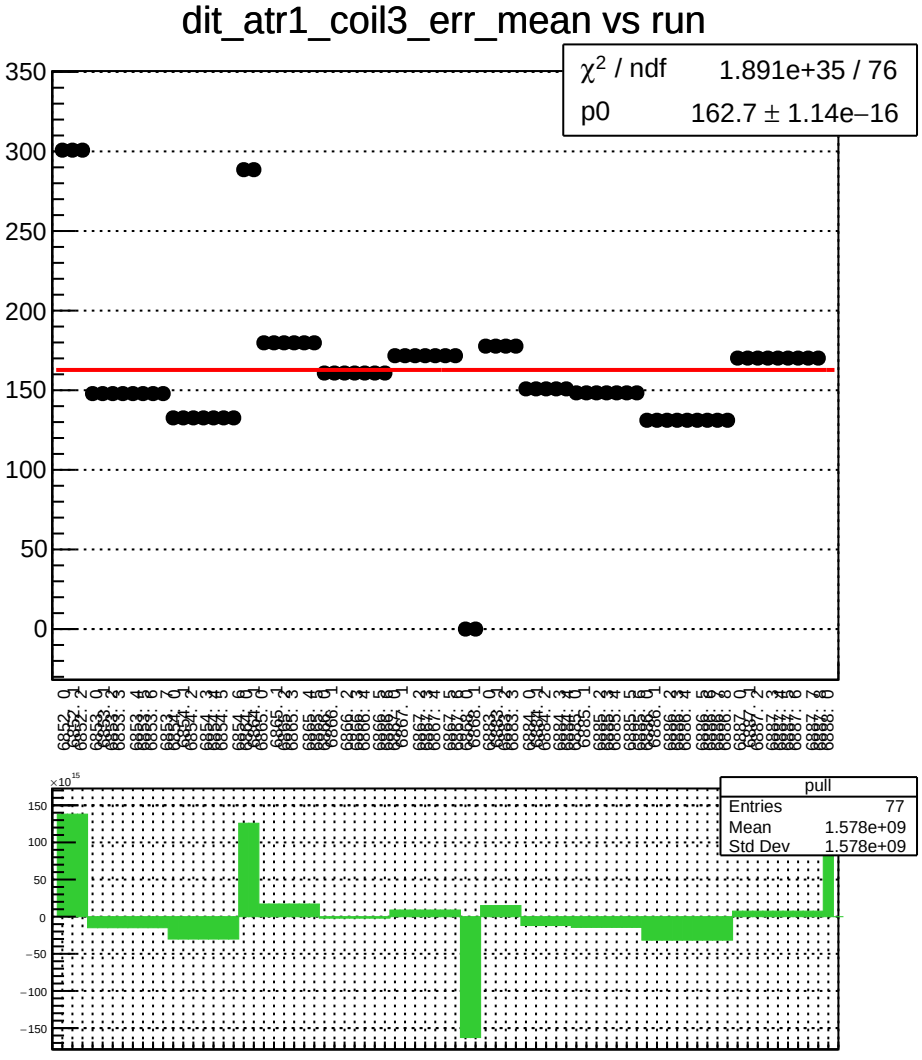
dit_atl2_coil3_Ndata_mean vs run

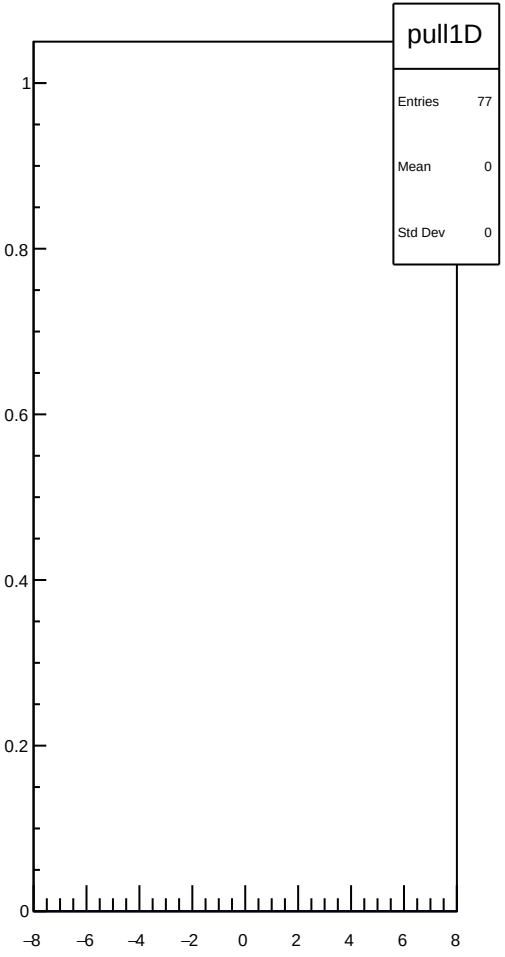


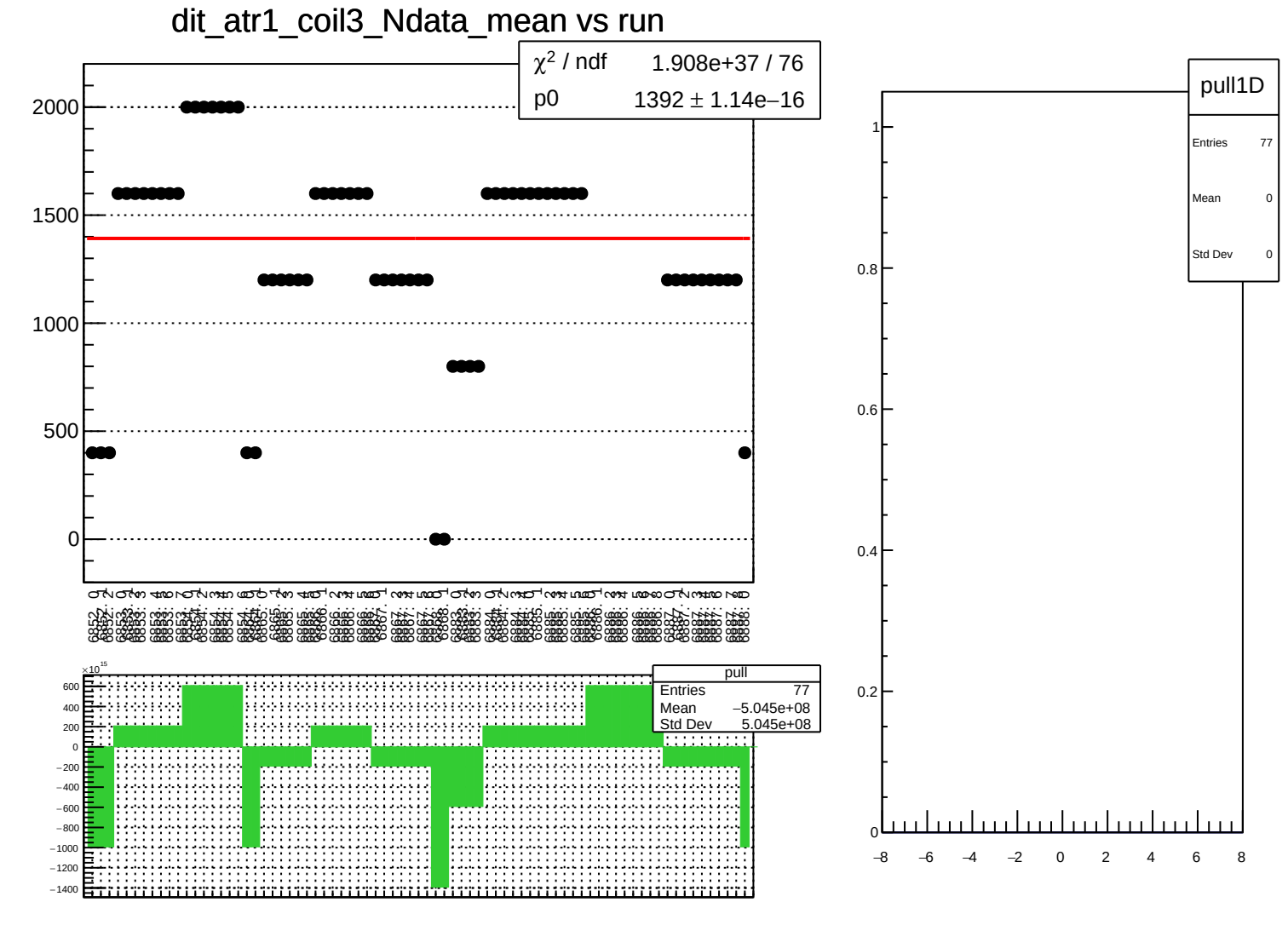


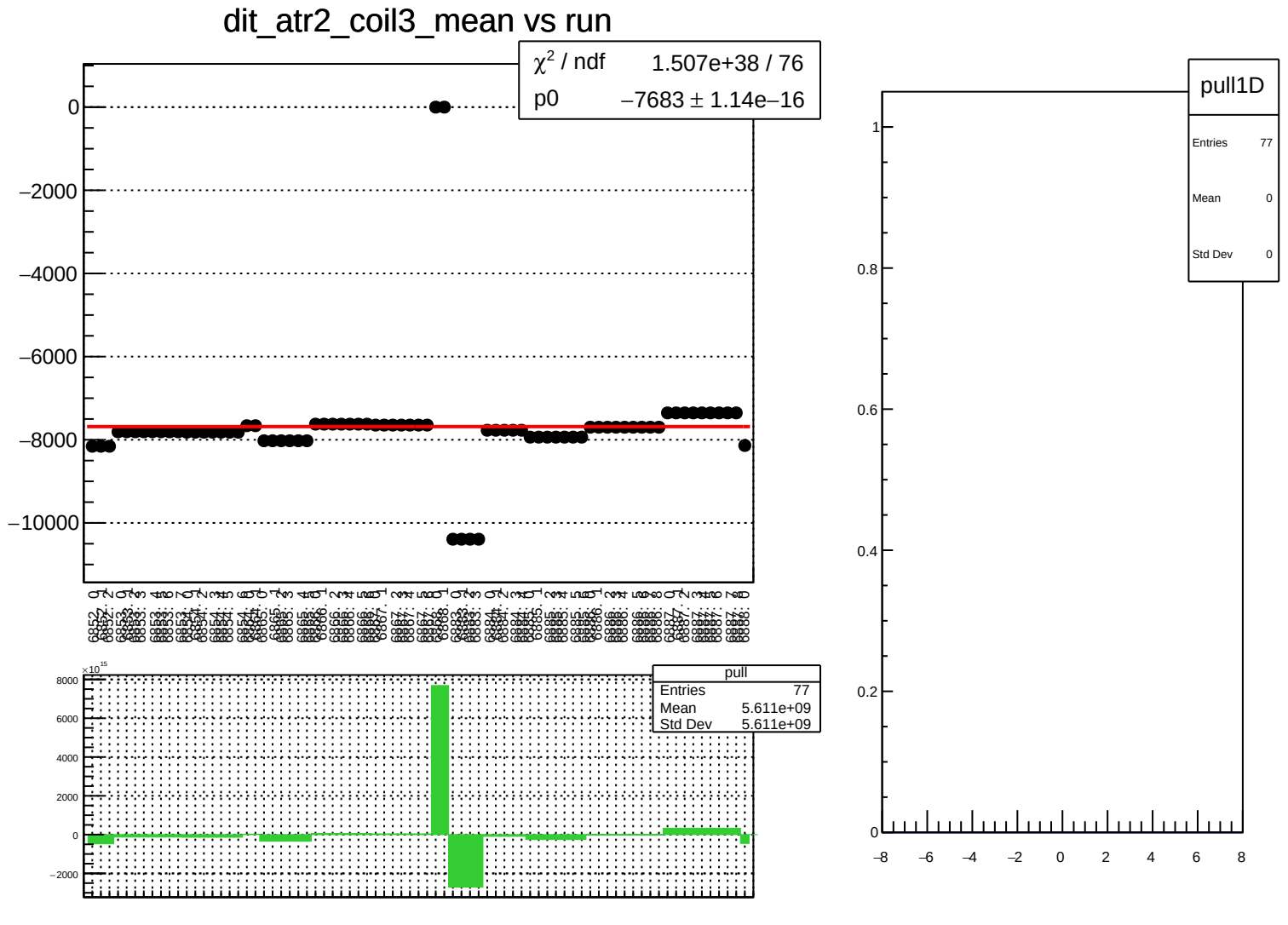

dit_atr1_coil3_mean vs run
χ^2 / ndf 6.559e+37 / 76
p0 5570 ± 1.14e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean −2.12e+08
Std Dev 2.12e+08
×10^15
0
−1000
−2000
−3000
−4000
−5000

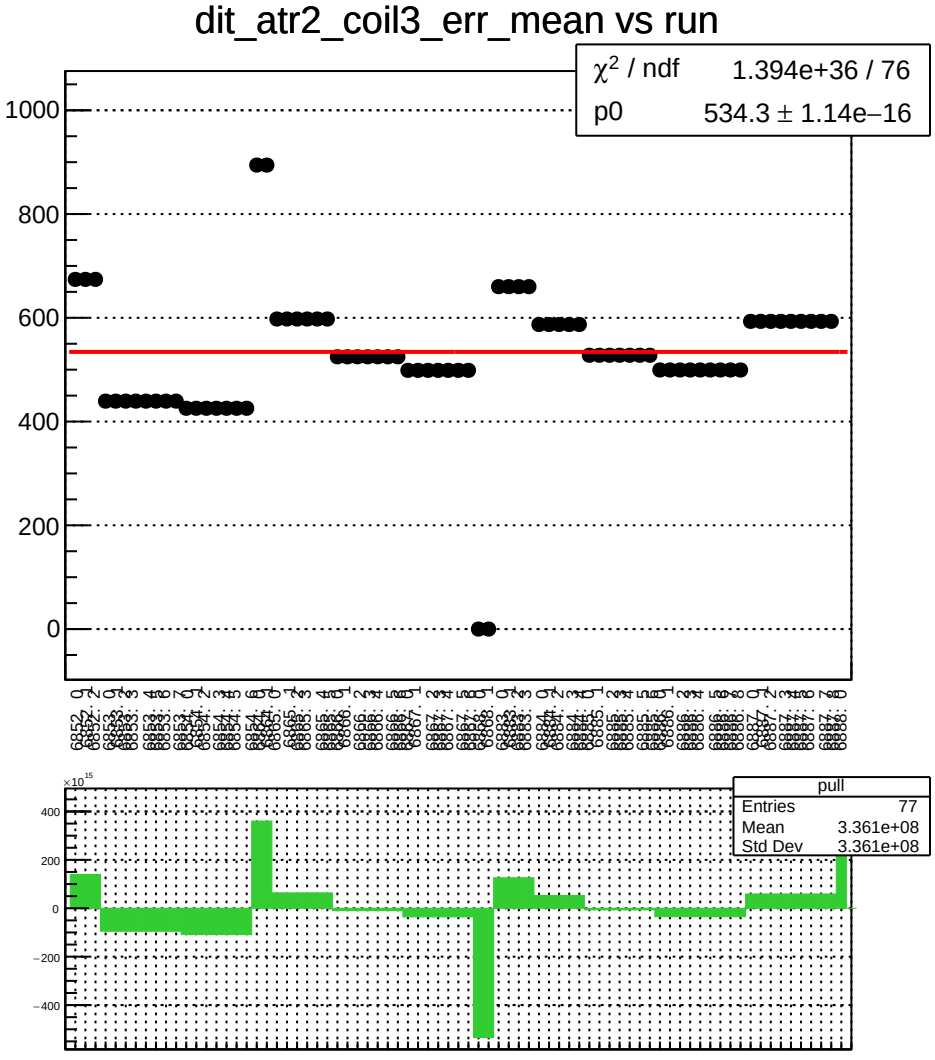

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

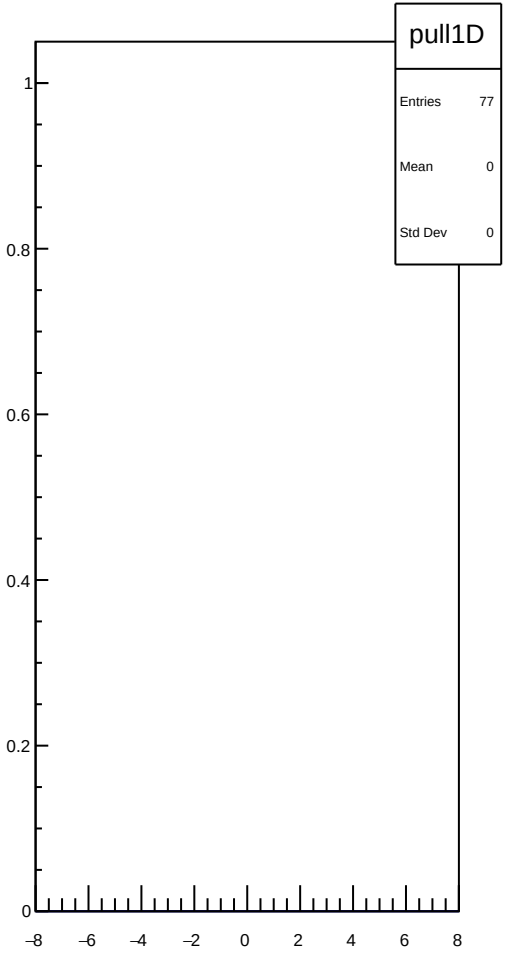

dit_atr1_coil3_err_mean vs run
χ² / ndf 1.891e+35 / 76
p0 162.7 ± 1.14e−16
pull
Entries 77
Mean 1.578e+09
Std Dev 1.578e+09

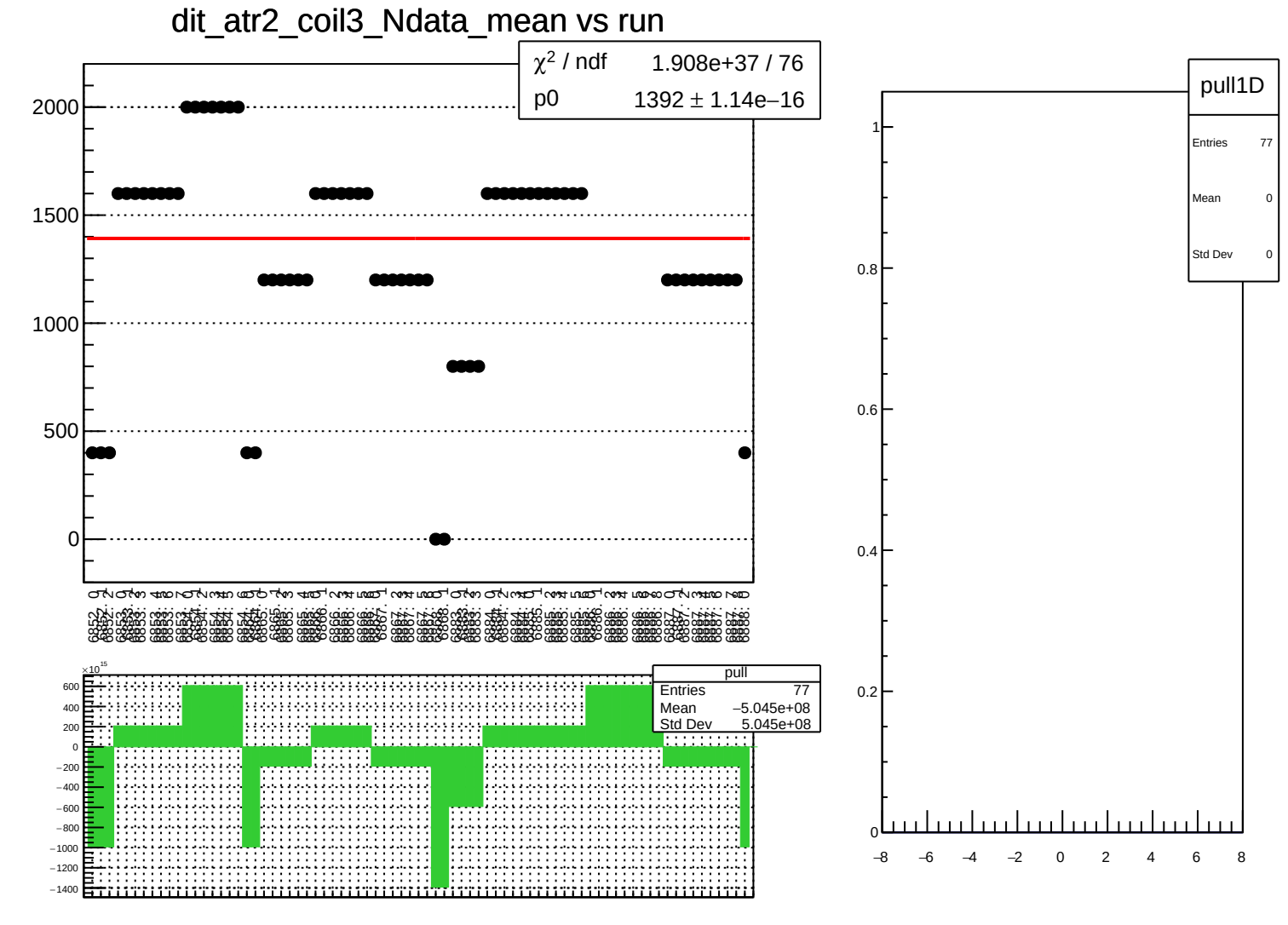

pull1D
Entries 77
Mean 0
Std Dev 0

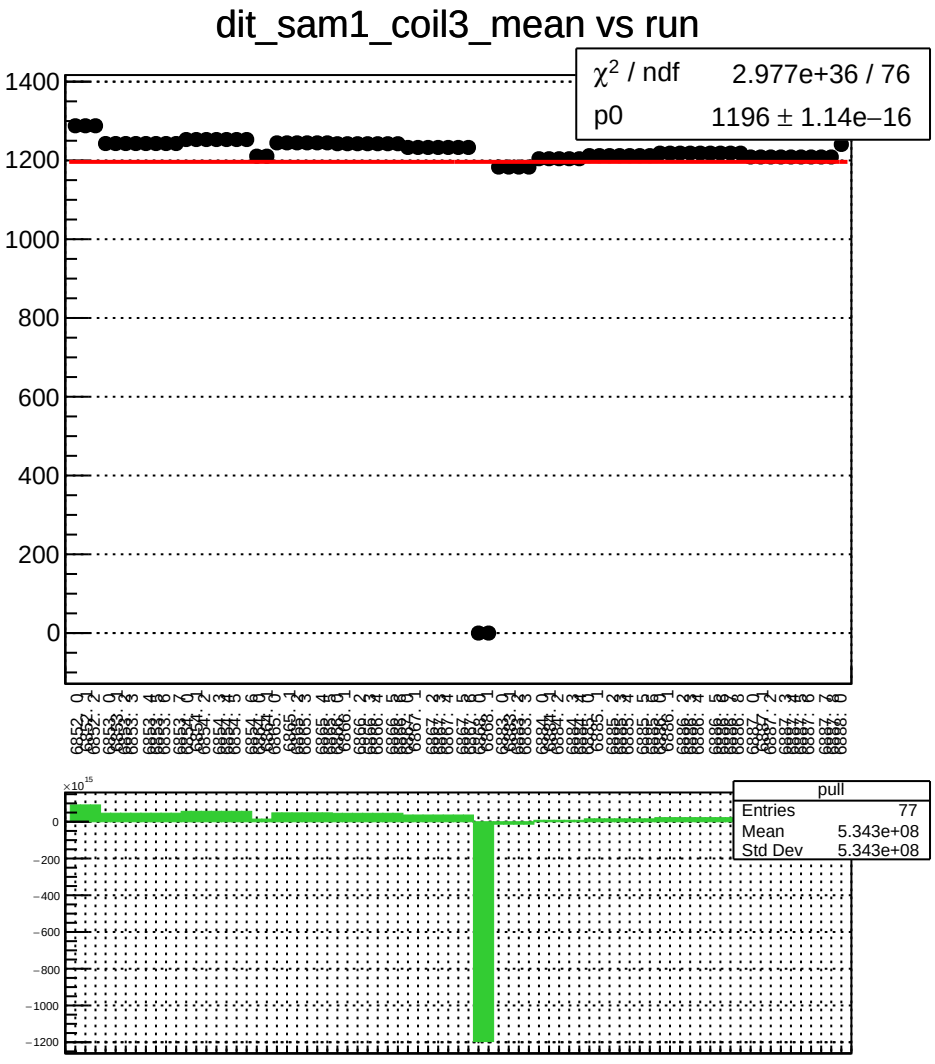

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

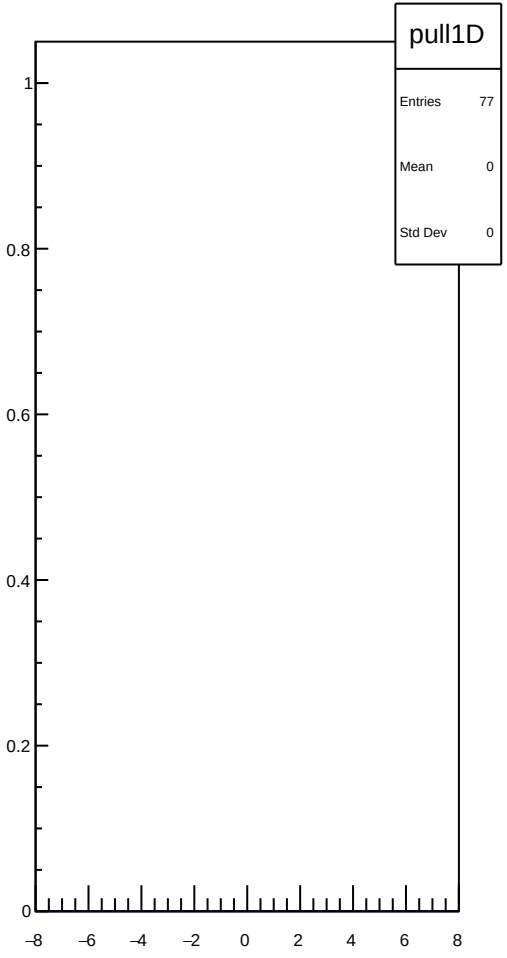

dit_atr2_coil3_mean vs run
χ² / ndf 1.507e+38 / 76
p0 −7683 ± 1.14e−16
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 77
Mean 5.611e+09
Std Dev 5.611e+09
×10¹⁵
8000
6000
4000
2000
0
−2000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

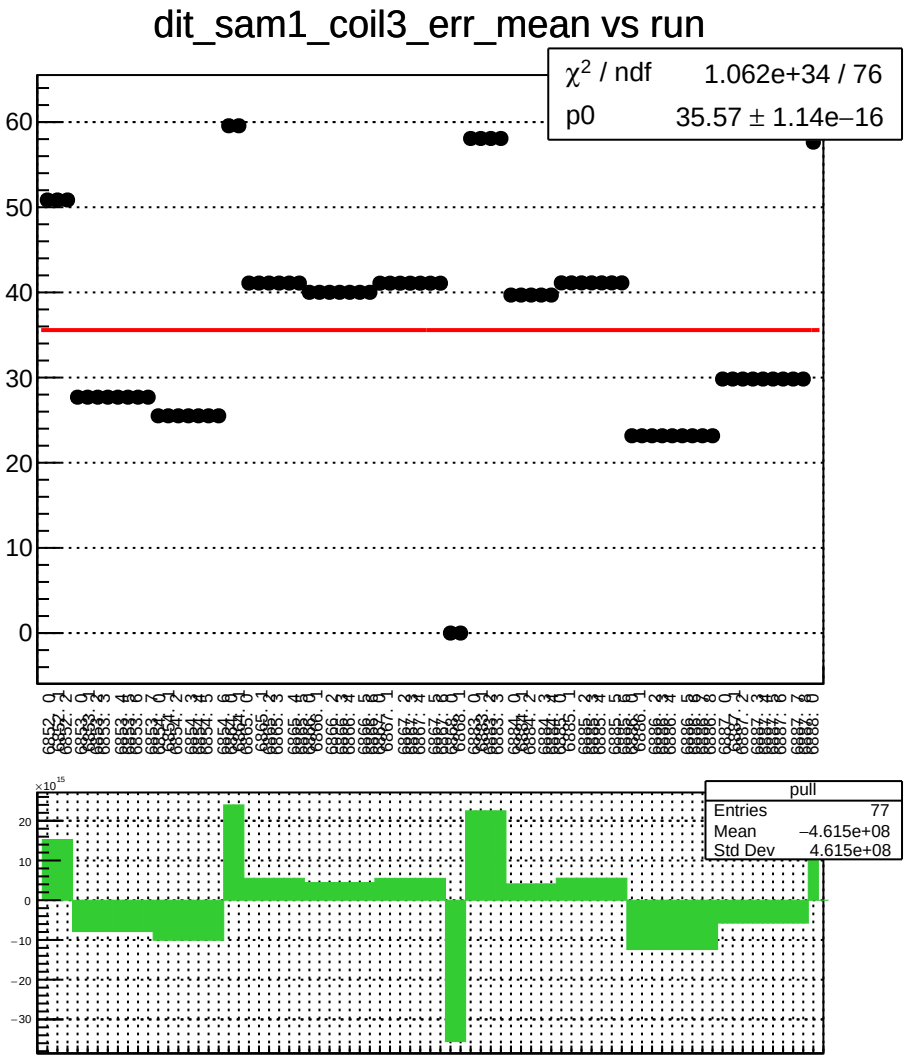

dit_atr2_coil3_err_mean vs run
χ² / ndf 1.394e+36 / 76
p0 534.3 ± 1.14e−16
1000
800
600
400
200
0
pull
Entries 77
Mean 3.361e+08
Std Dev 3.361e+08
×10¹⁵
400
200
0
−200
−400

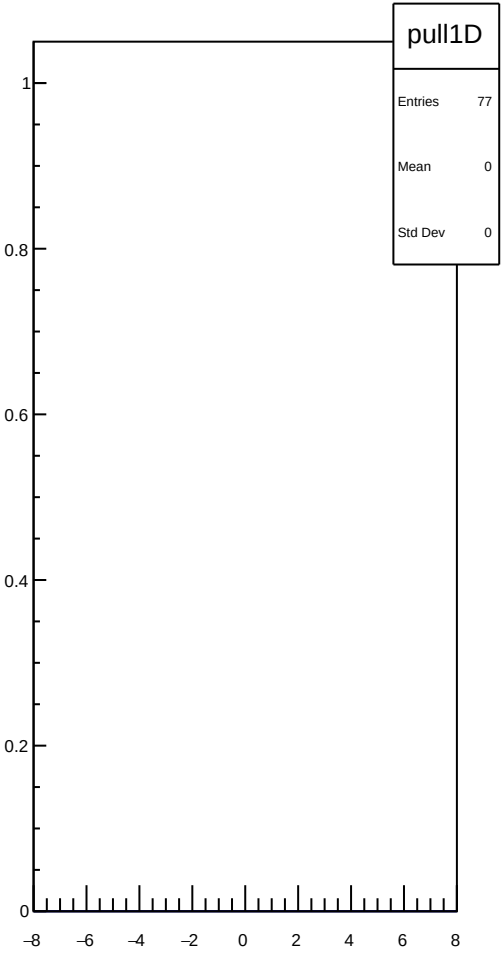

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

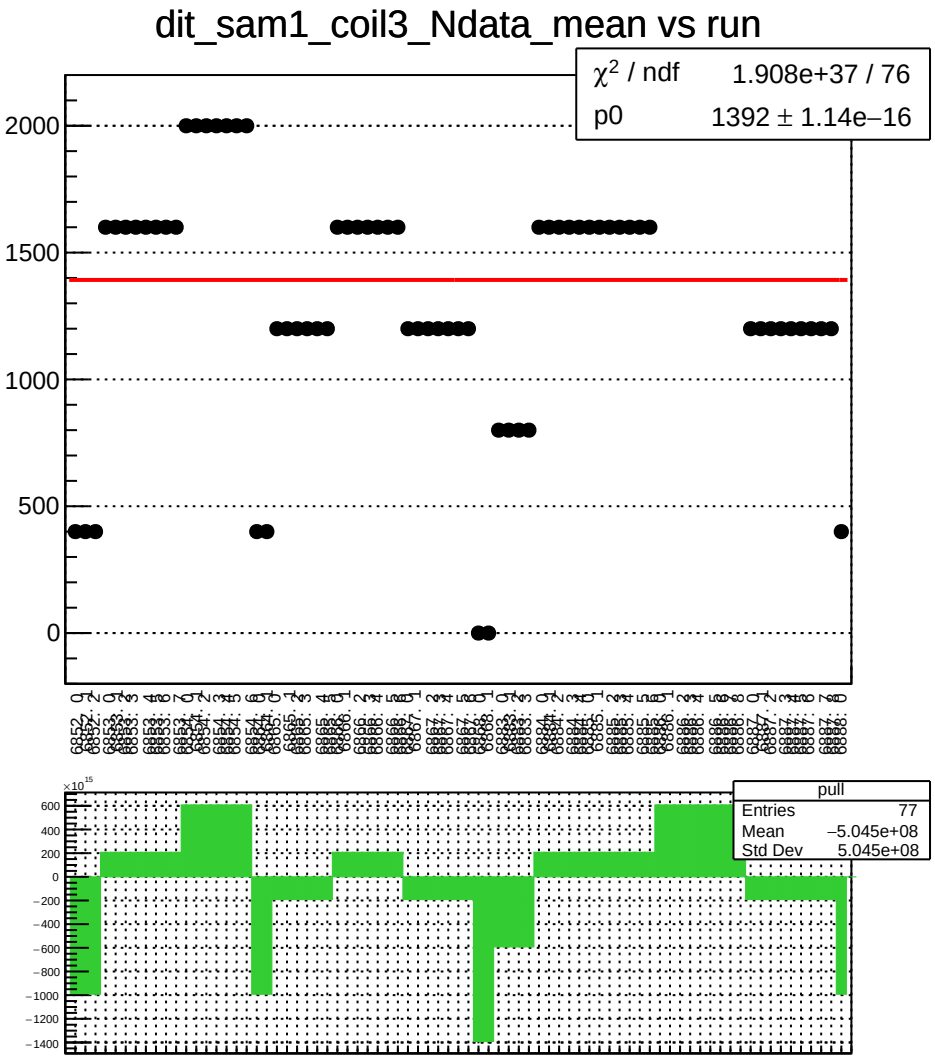

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

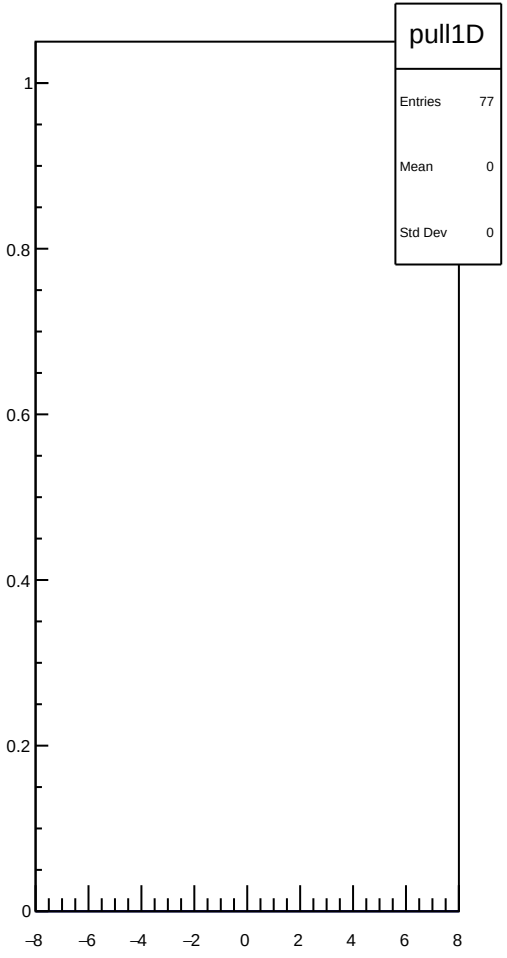

dit_sam1_coil3_mean vs run
χ^2 / ndf 2.977e+36 / 76
p0 1196 ± 1.14e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 5.343e+08
Std Dev 5.343e+08
×10^15
0
−200
−400
−600
−800
−1000
−1200

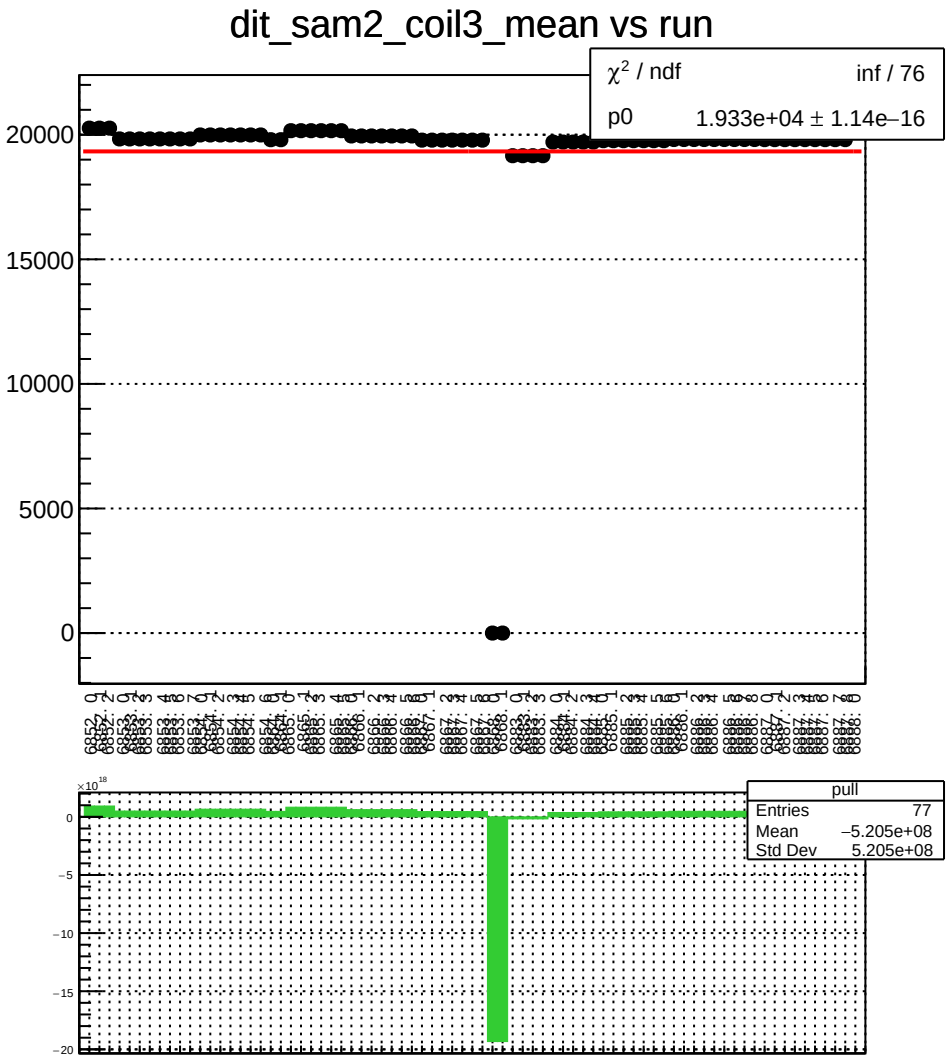

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

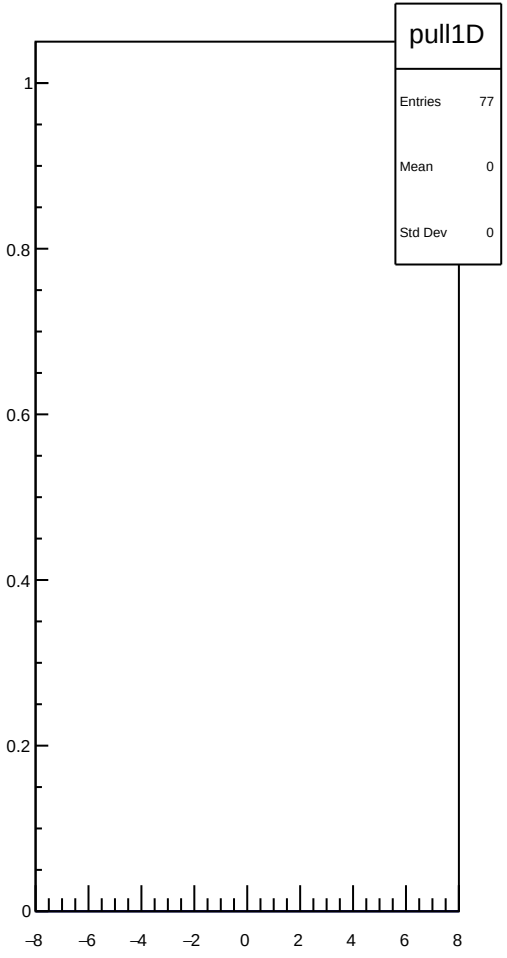

dit_sam1_coil3_err_mean vs run
χ² / ndf 1.062e+34 / 76
p0 35.57 ± 1.14e−16
pull
Entries 77
Mean −4.615e+08
Std Dev 4.615e+08

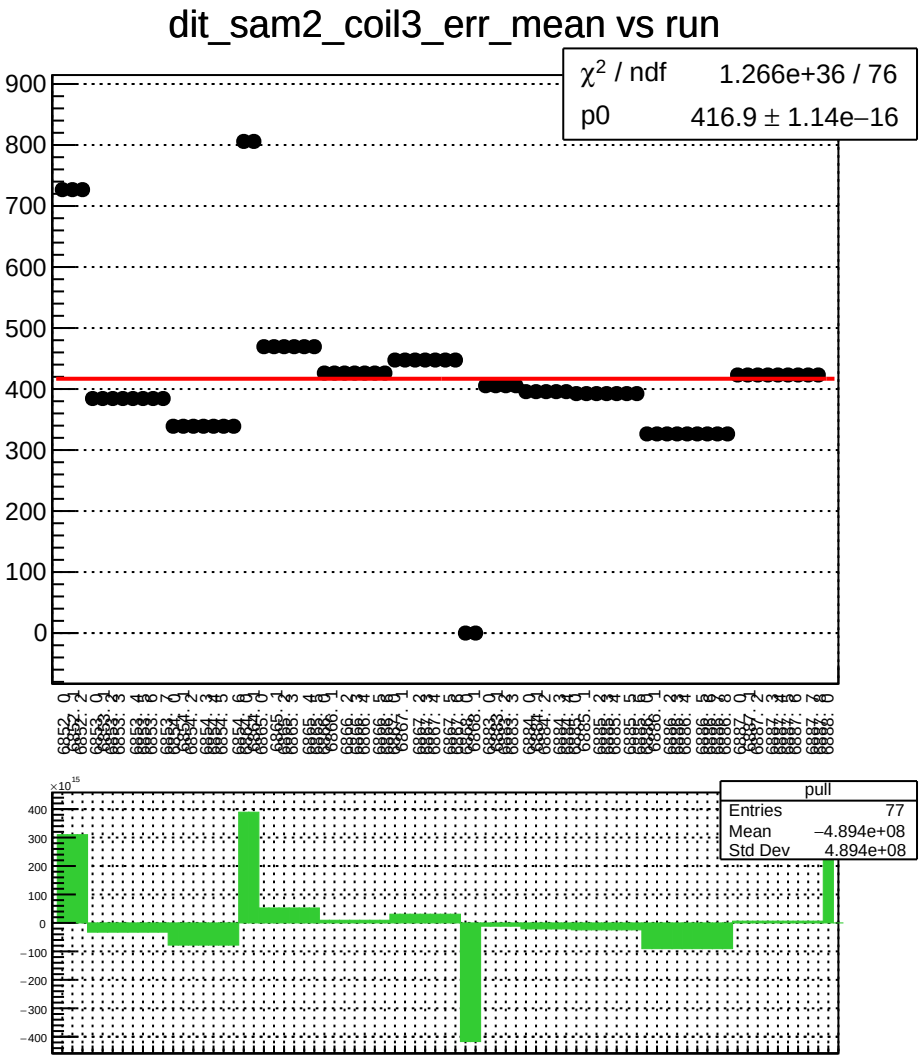

pull1D
Entries 77
Mean 0
Std Dev 0

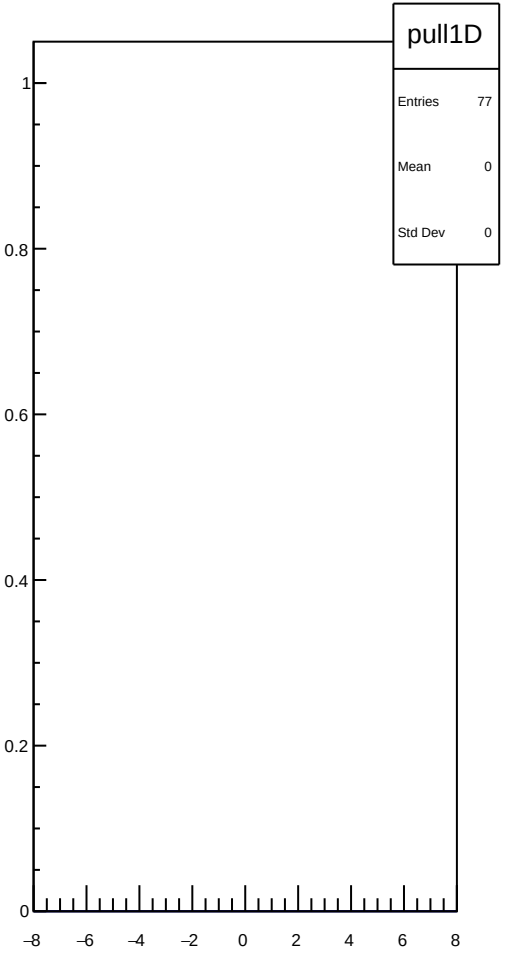

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

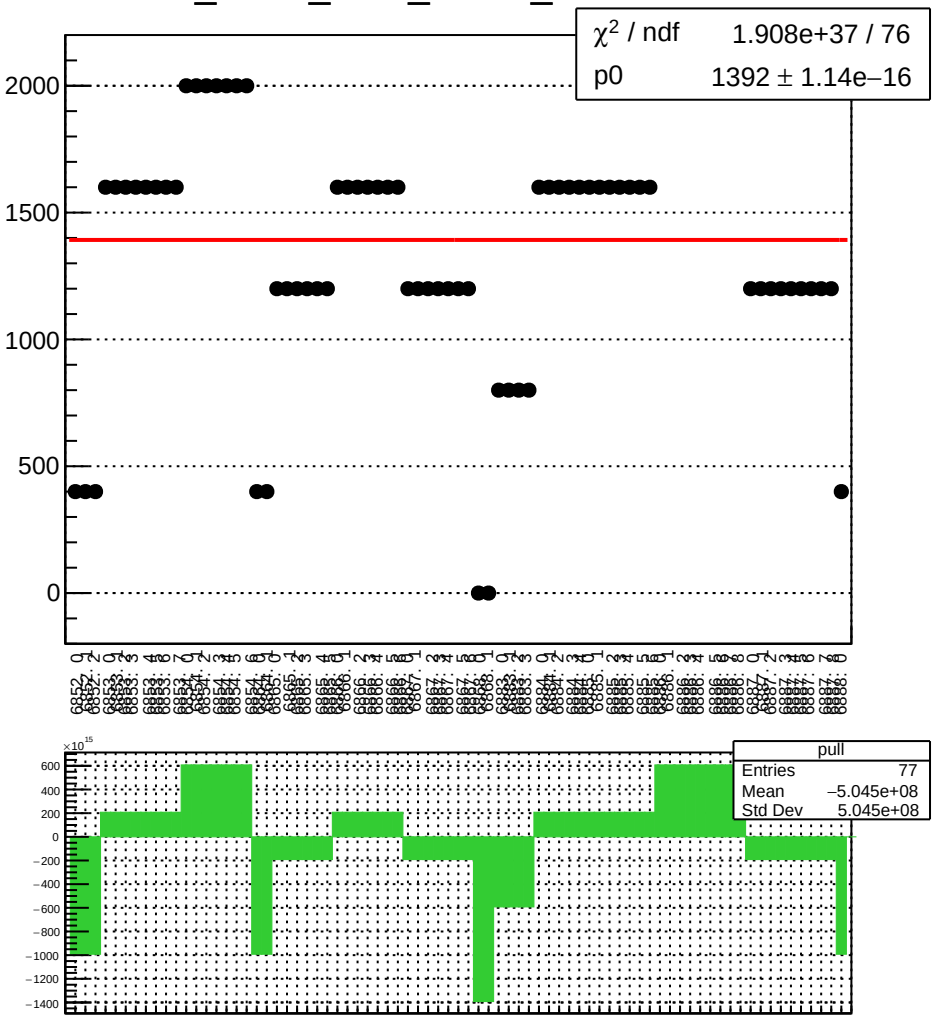

dit_sam2_coil3_mean vs run
χ² / ndf inf / 76
p0 1.933e+04 ± 1.14e−16
20000
15000
10000
5000
0
pull
Entries 77
Mean −5.205e+08
Std Dev 5.205e+08
×10¹⁸
0
−5
−10
−15
−20

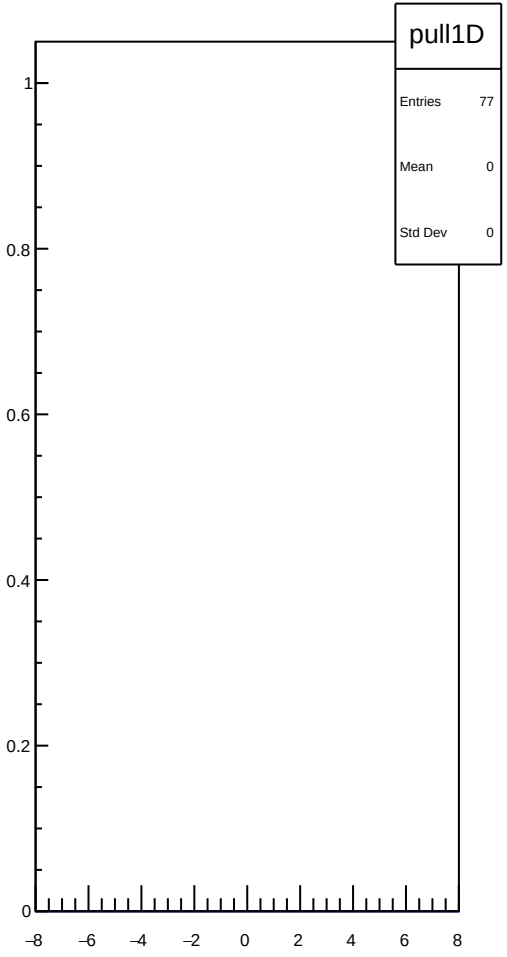

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

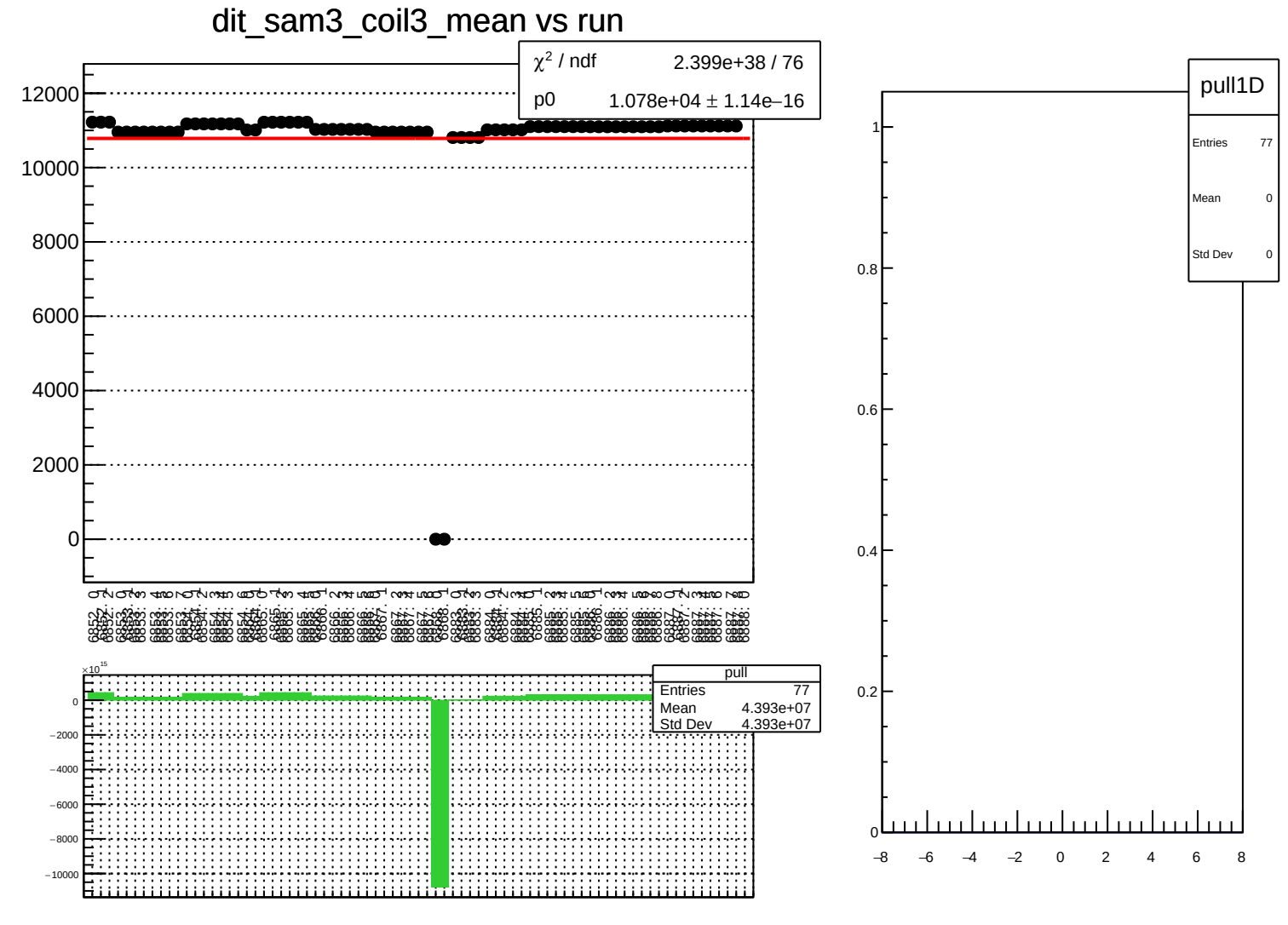

dit_sam2_coil3_err_mean vs run
χ² / ndf 1.266e+36 / 76
p0 416.9 ± 1.14e−16
pull
Entries 77
Mean −4.894e+08
Std Dev 4.894e+08

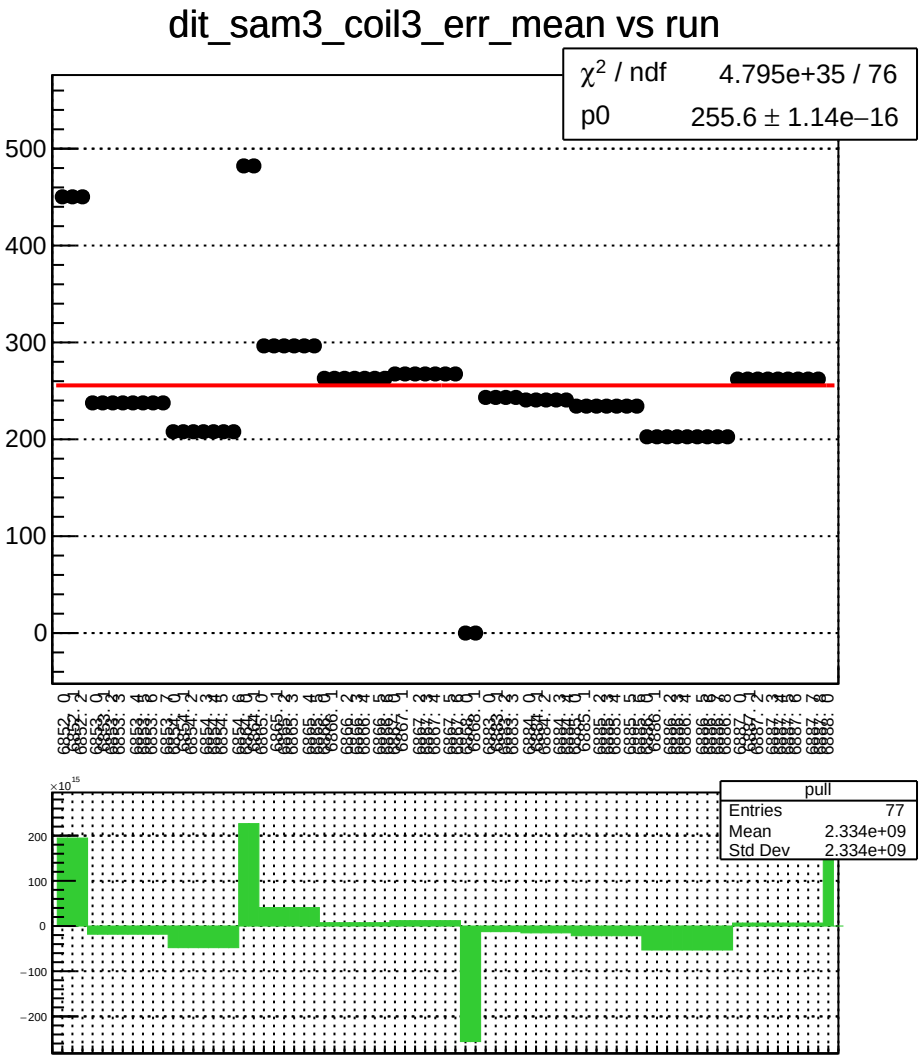

pull1D
Entries 77
Mean 0
Std Dev 0

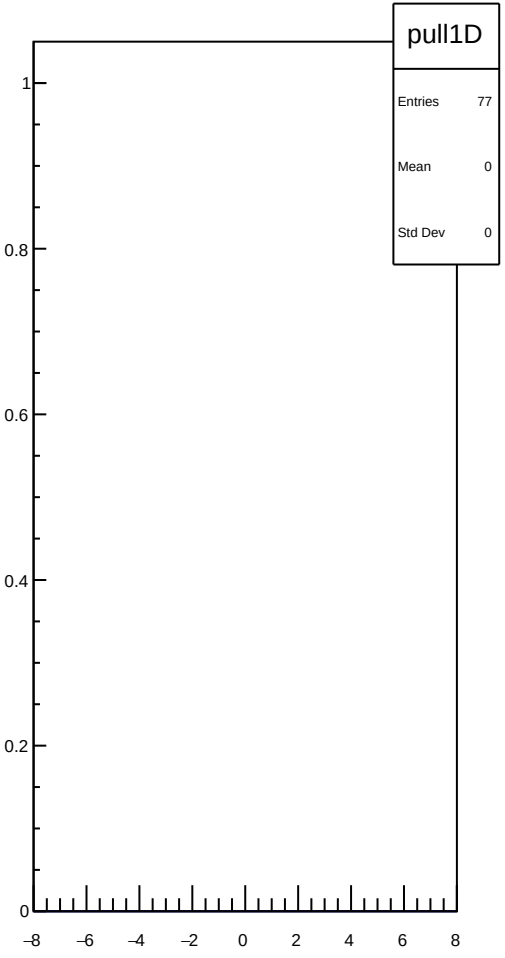
dit_sam2_coil3_Ndata_mean vs run

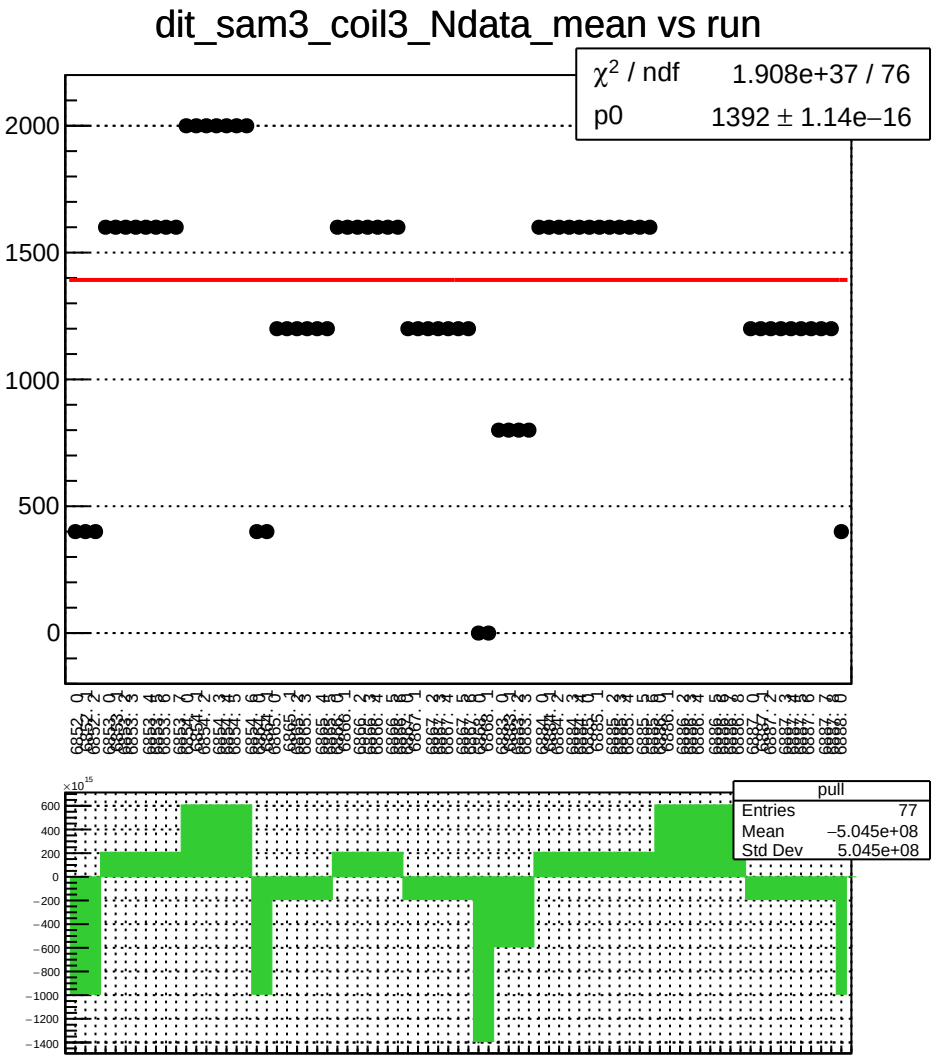


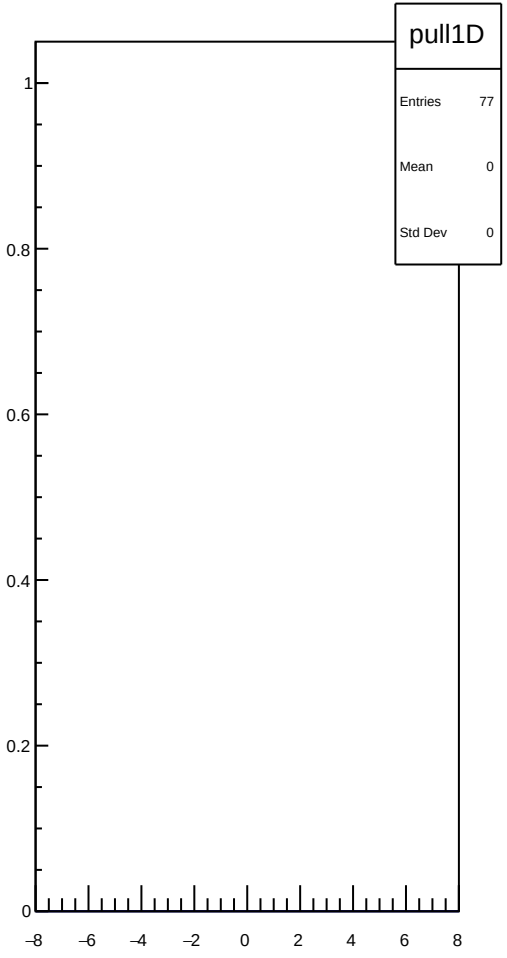


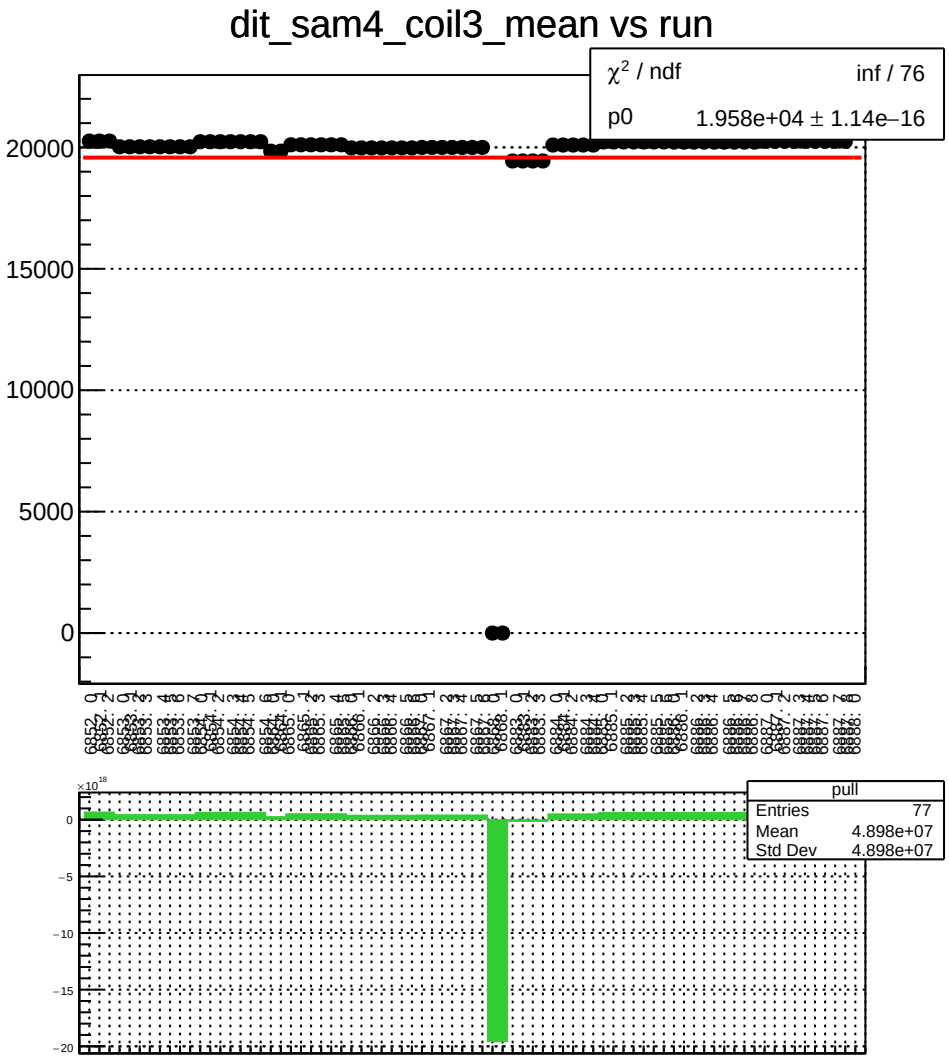

dit_sam3_coil3_mean vs run
χ² / ndf 2.399e+38 / 76
p0 1.078e+04 ± 1.14e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 77
Mean 4.393e+07
Std Dev 4.393e+07
×10¹⁵
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

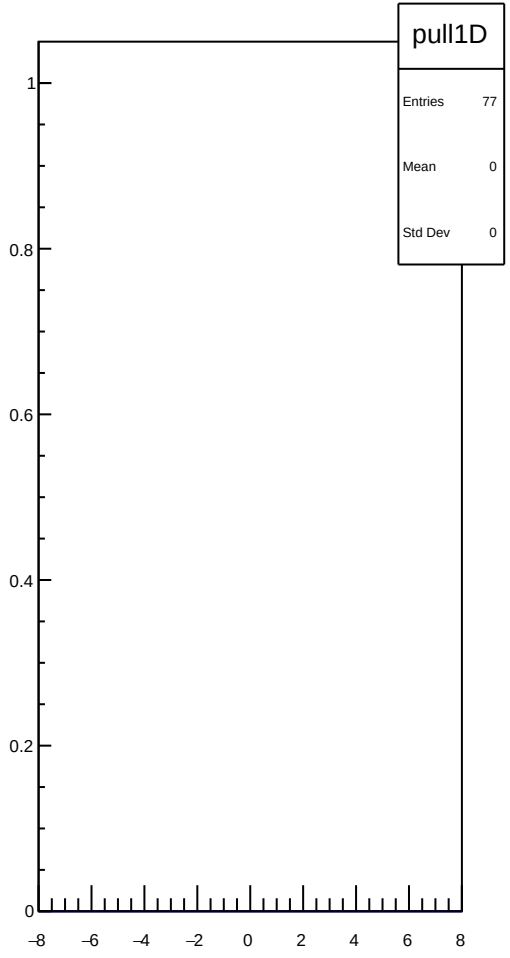

dit_sam3_coil3_err_mean vs run
χ² / ndf 4.795e+35 / 76
p0 255.6 ± 1.14e−16
500
400
300
200
100
0
pull
Entries 77
Mean 2.334e+09
Std Dev 2.334e+09
×10¹⁵
200
100
0
−100
−200

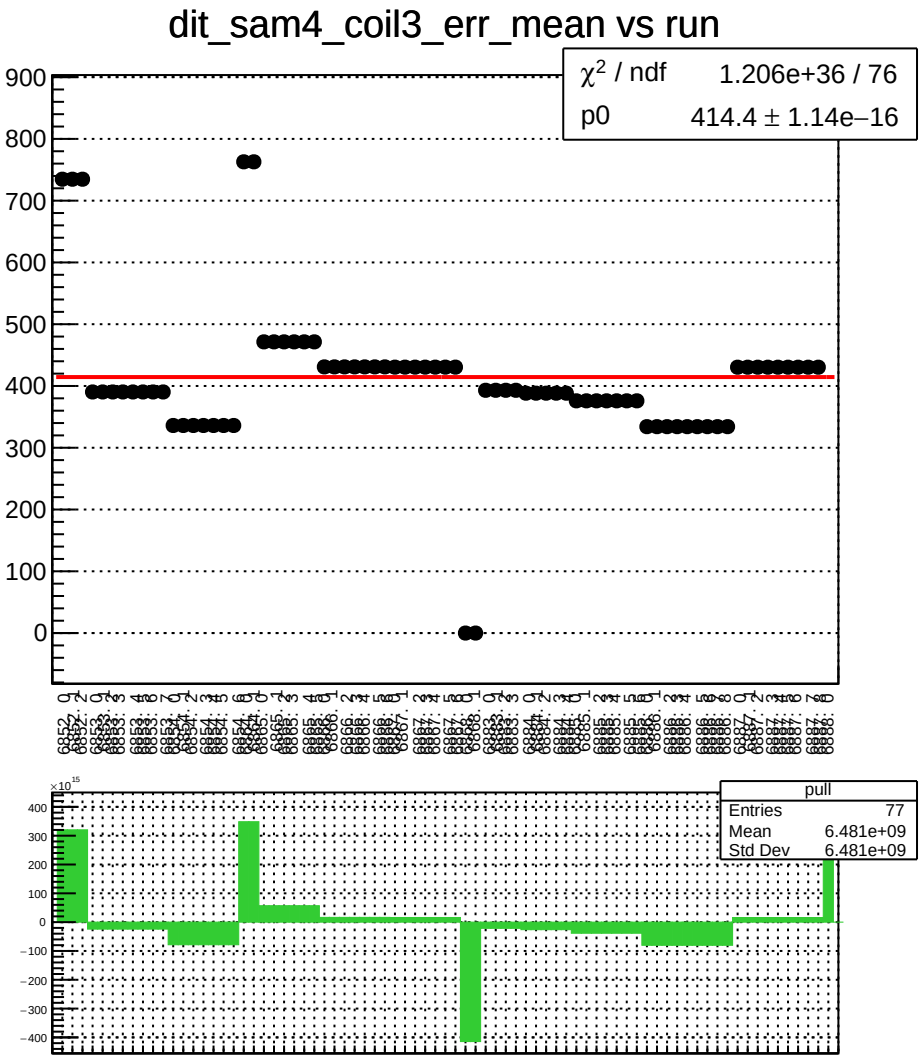

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

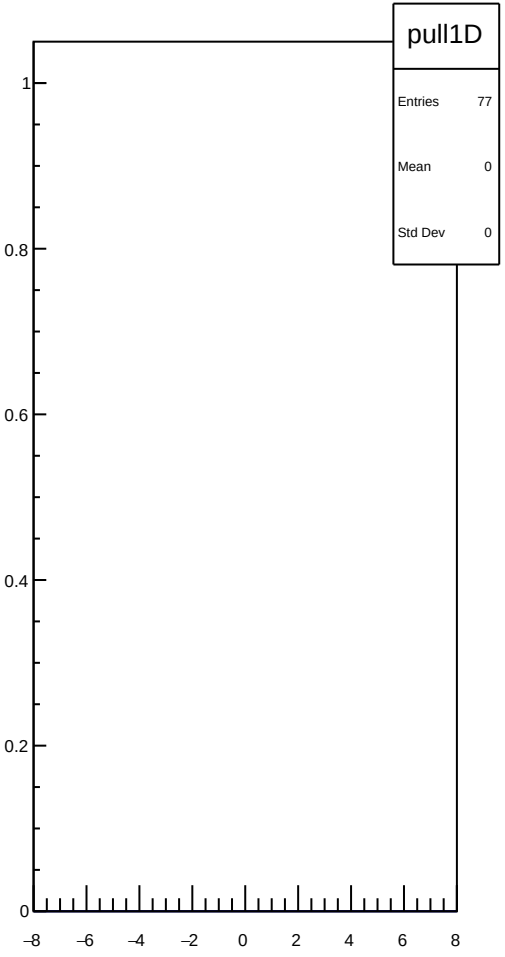

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

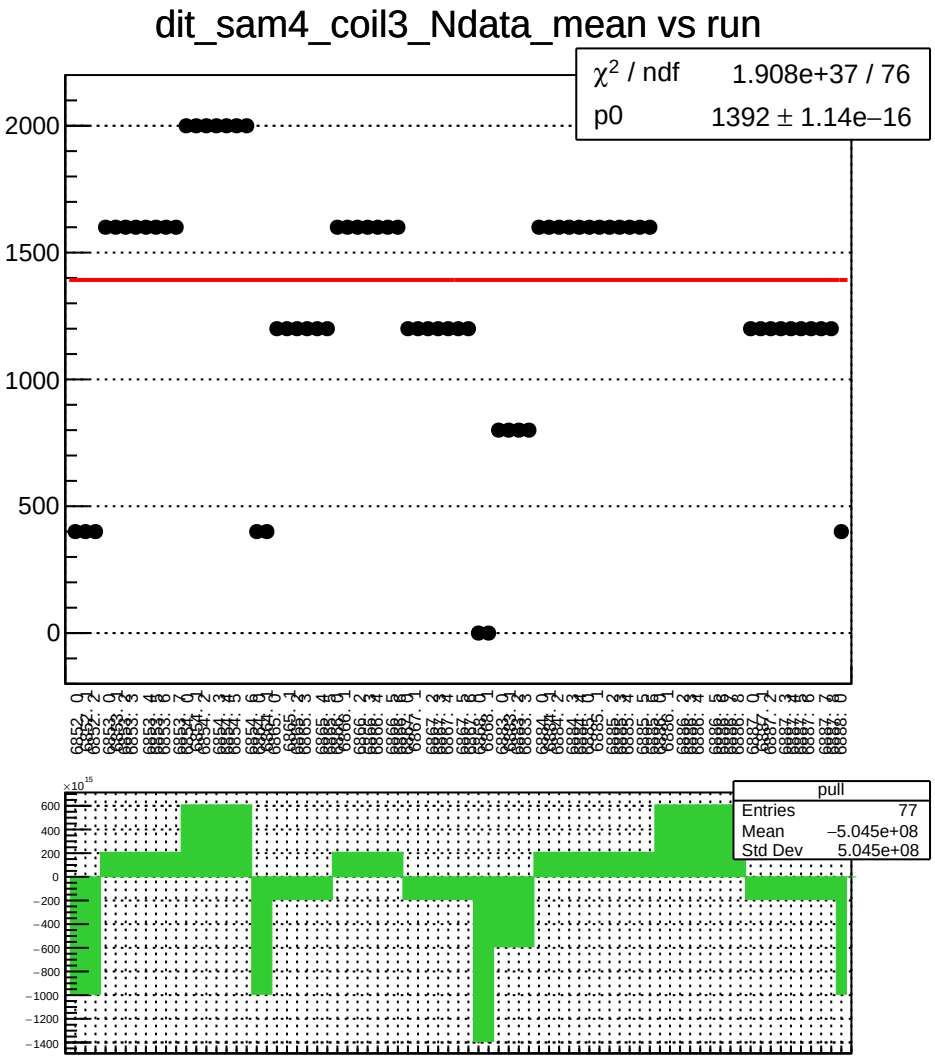

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

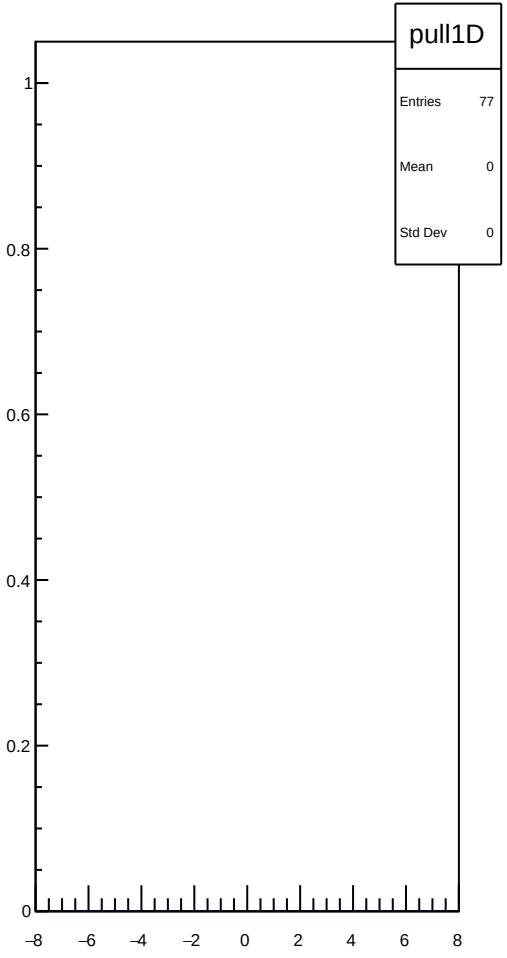

dit_sam4_coil3_mean vs run
χ² / ndf inf / 76
p0 1.958e+04 ± 1.14e−16
20000
15000
10000
5000
0
pull
Entries 77
Mean 4.898e+07
Std Dev 4.898e+07
×10¹⁸
0
−5
−10
−15
−20

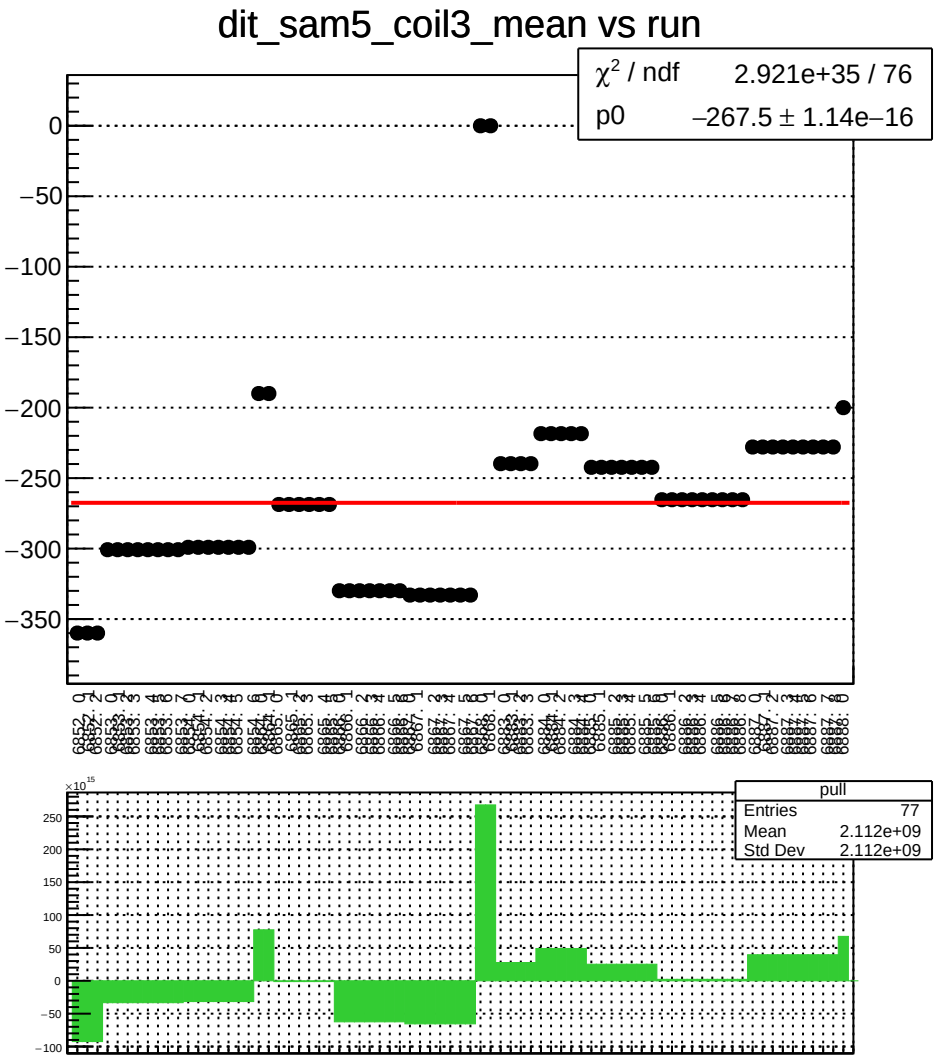

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

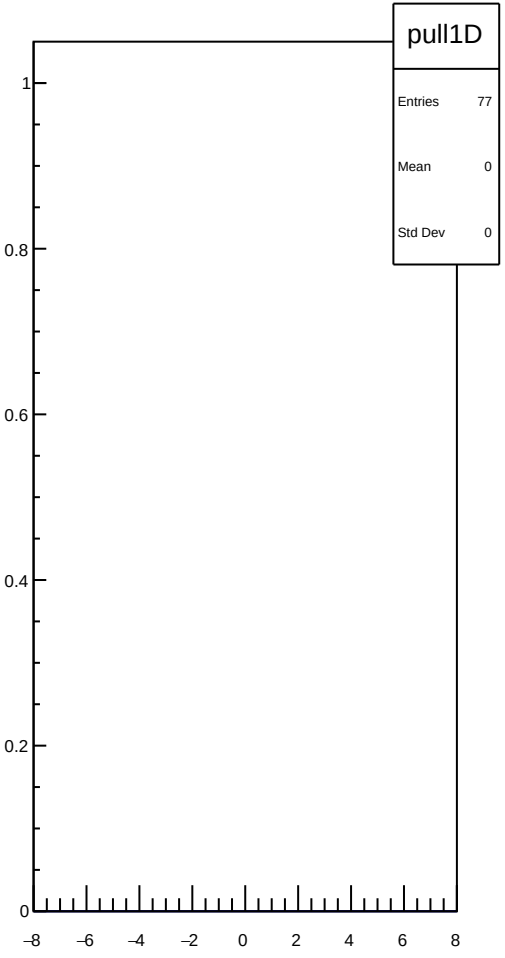

dit_sam4_coil3_err_mean vs run
χ^2 / ndf 1.206e+36 / 76
p0 414.4 ± 1.14e−16
pull
Entries 77
Mean 6.481e+09
Std Dev 6.481e+09

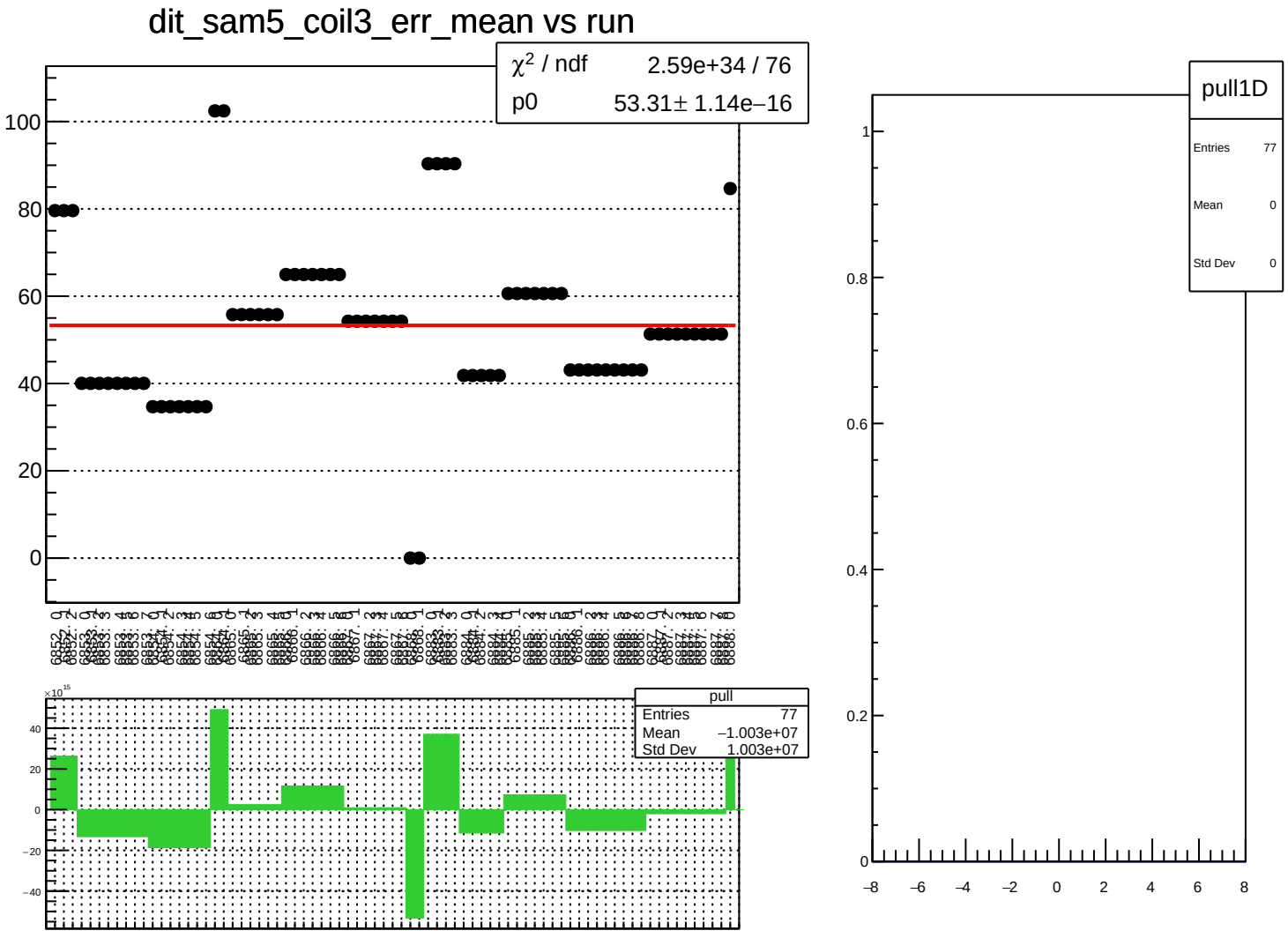

pull1D
Entries 77
Mean 0
Std Dev 0


dit_sam4_coil3_Ndata_mean vs run
χ2 / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

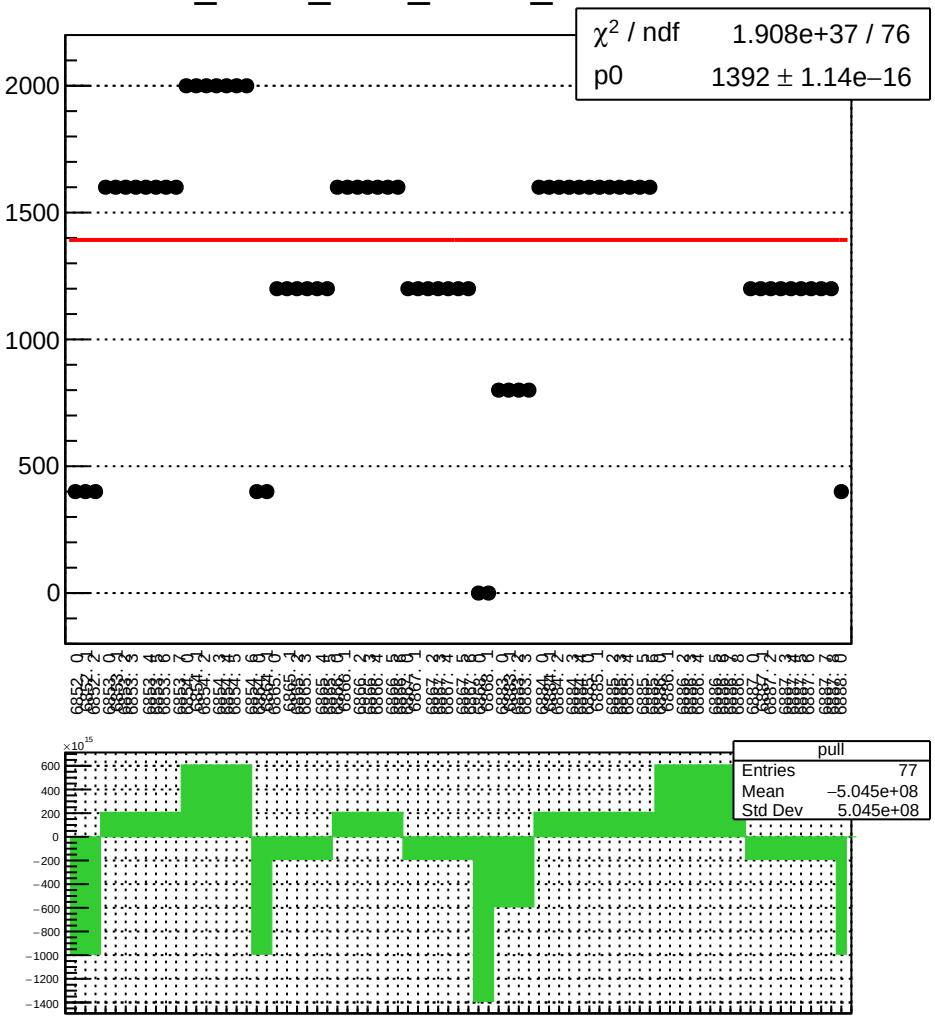

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

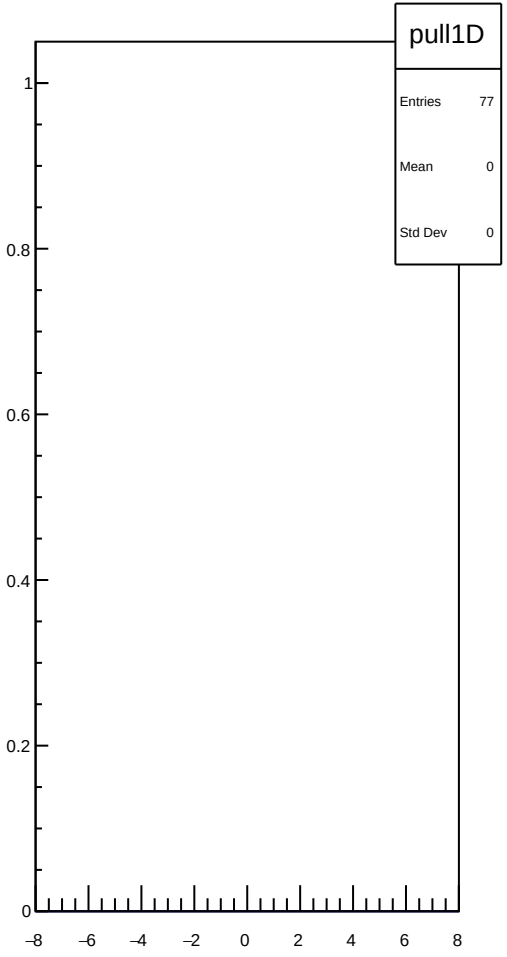

dit_sam5_coil3_mean vs run
χ² / ndf 2.921e+35 / 76
p0 –267.5 ± 1.14e–16
0
–50
–100
–150
–200
–250
–300
–350
pull
Entries 77
Mean 2.112e+09
Std Dev 2.112e+09
×10¹⁵
250
200
150
100
50
0
–50
–100

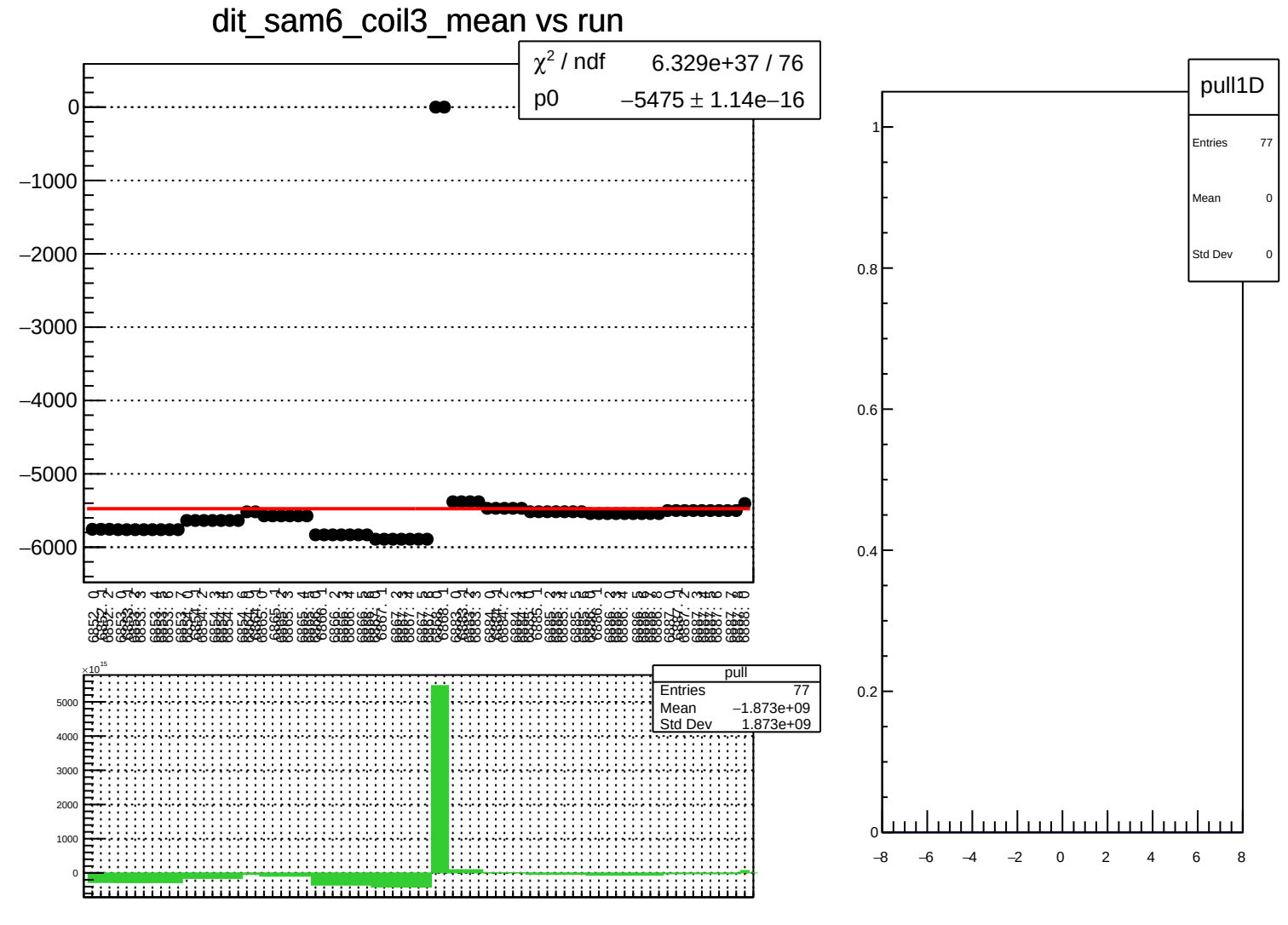

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

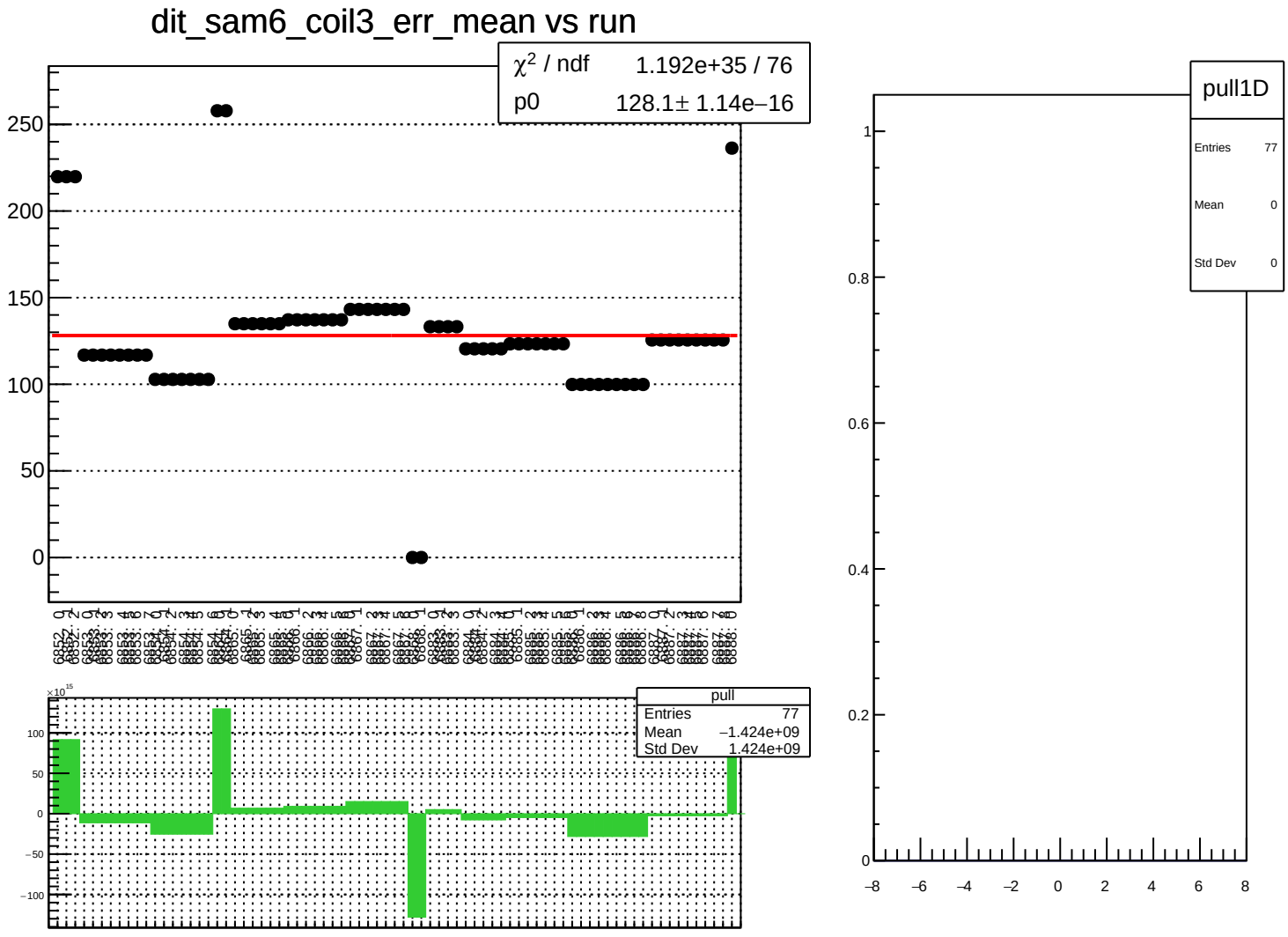

dit_sam5_coil3_err_mean vs run
χ² / ndf 2.59e+34 / 76
p0 53.31± 1.14e−16
pull
Entries 77
Mean −1.003e+07
Std Dev 1.003e+07
pull1D
Entries 77
Mean 0
Std Dev 0

dit_sam5_coil3_Ndata_mean vs run

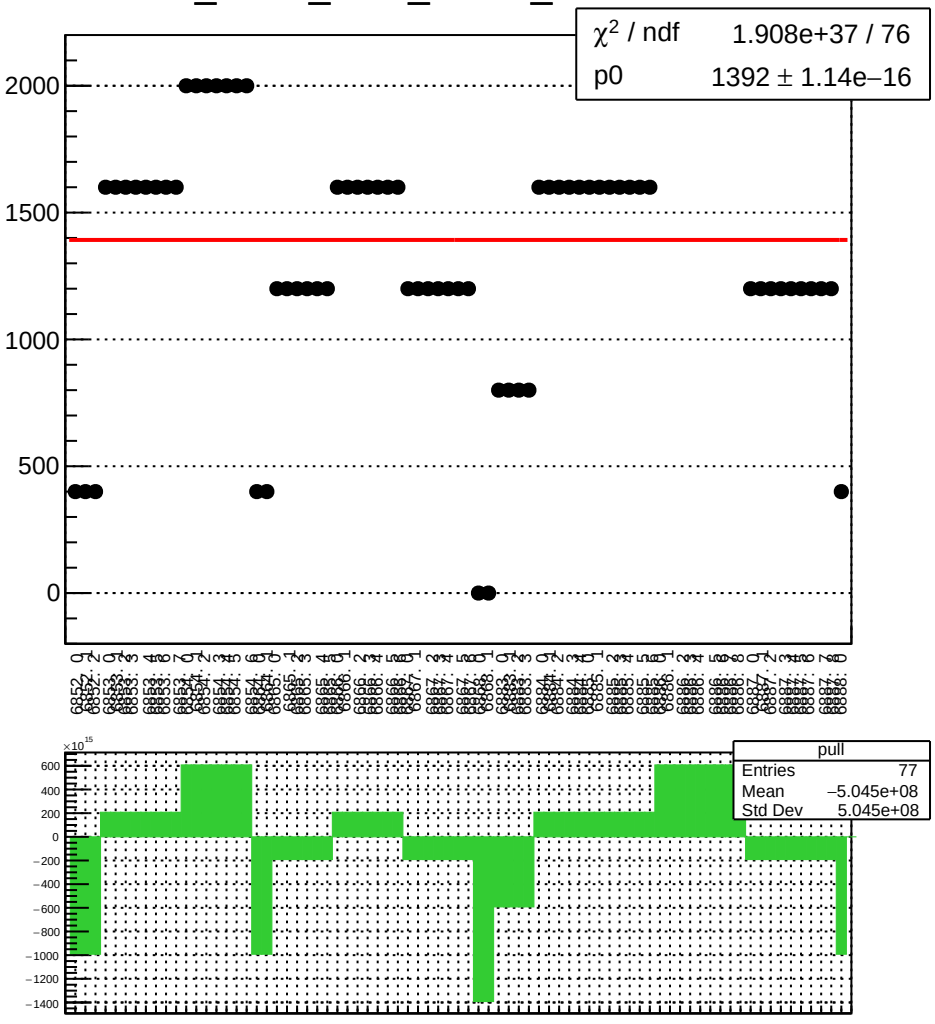


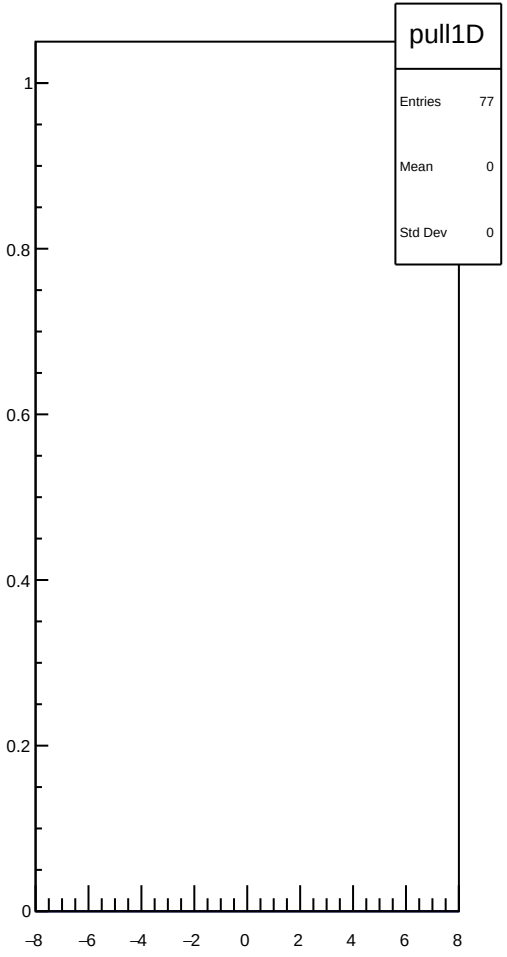


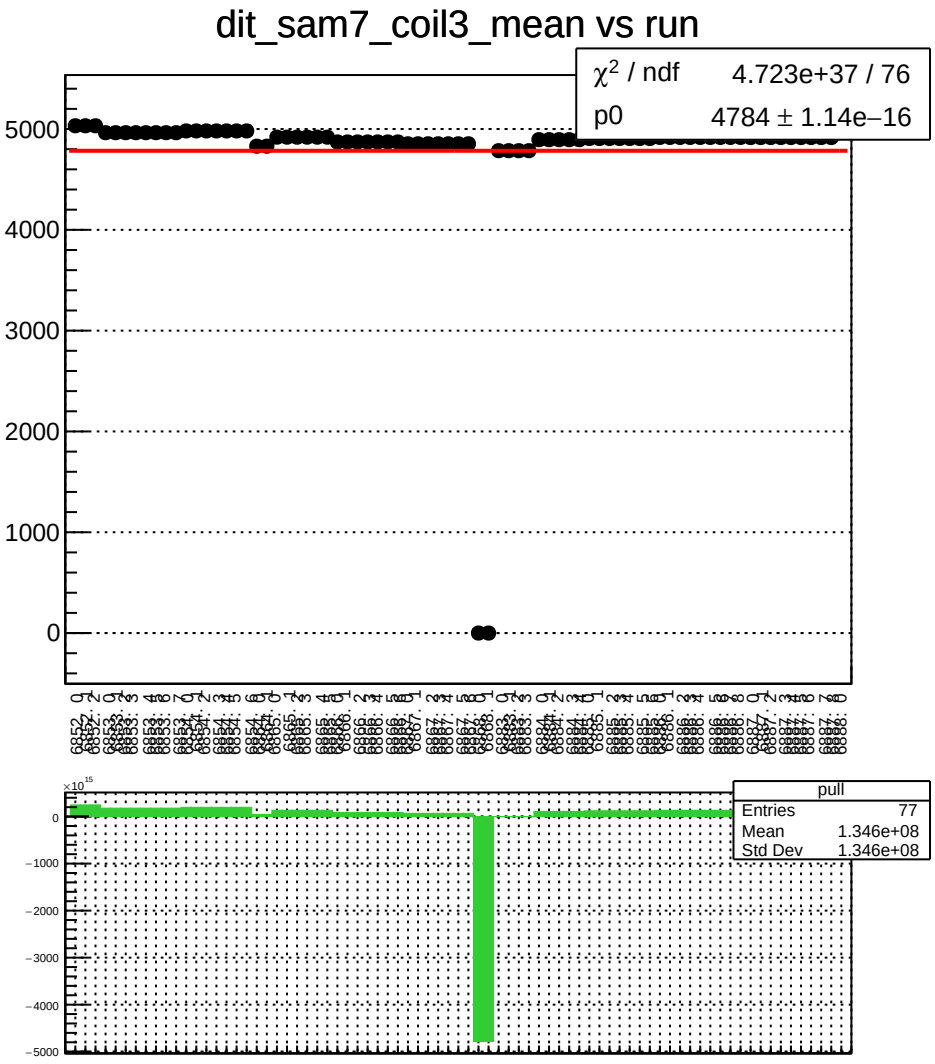

dit_sam6_coil3_mean vs run
χ² / ndf 6.329e+37 / 76
p0 −5475 ± 1.14e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 77
Mean −1.873e+09
Std Dev 1.873e+09
×10¹⁵
5000
4000
3000
2000
1000
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

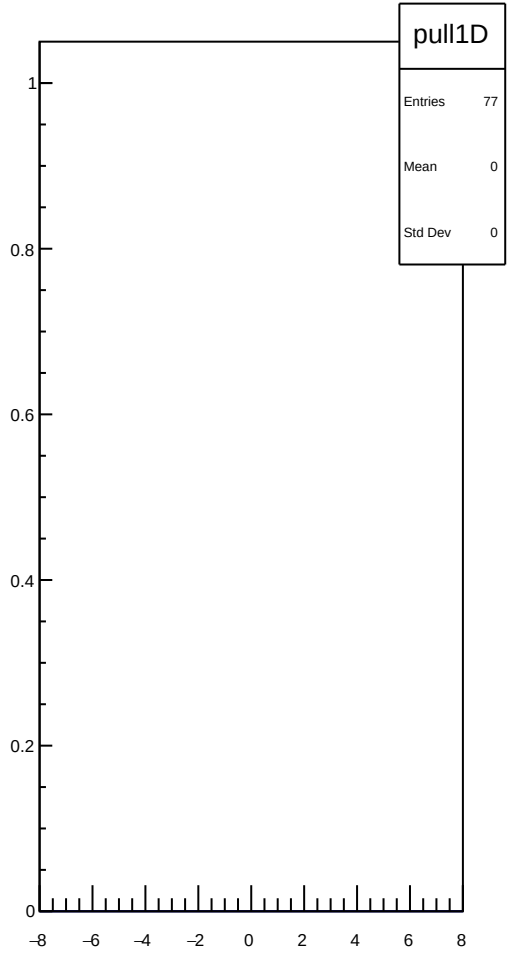

dit_sam6_coil3_err_mean vs run
χ² / ndf 1.192e+35 / 76
p0 128.1± 1.14e−16
pull
Entries 77
Mean −1.424e+09
Std Dev 1.424e+09
pull1D
Entries 77
Mean 0
Std Dev 0

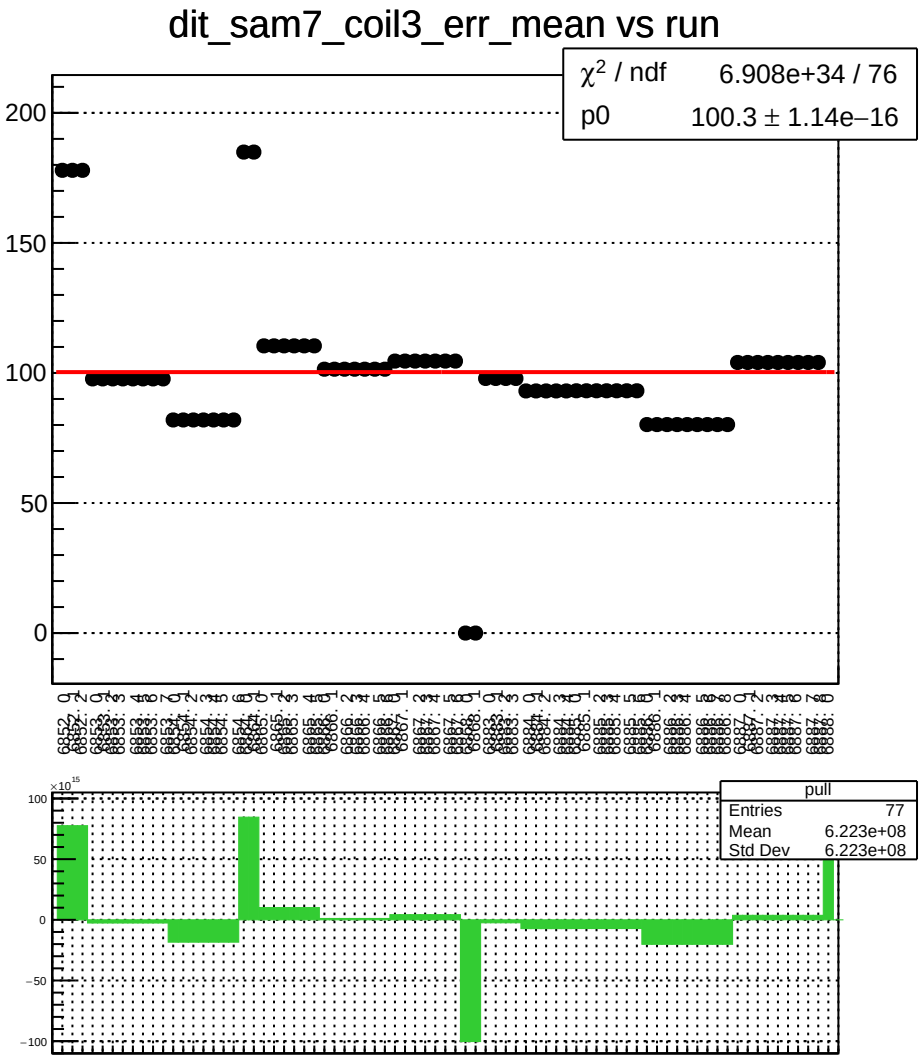
dit_sam6_coil3_Ndata_mean vs run

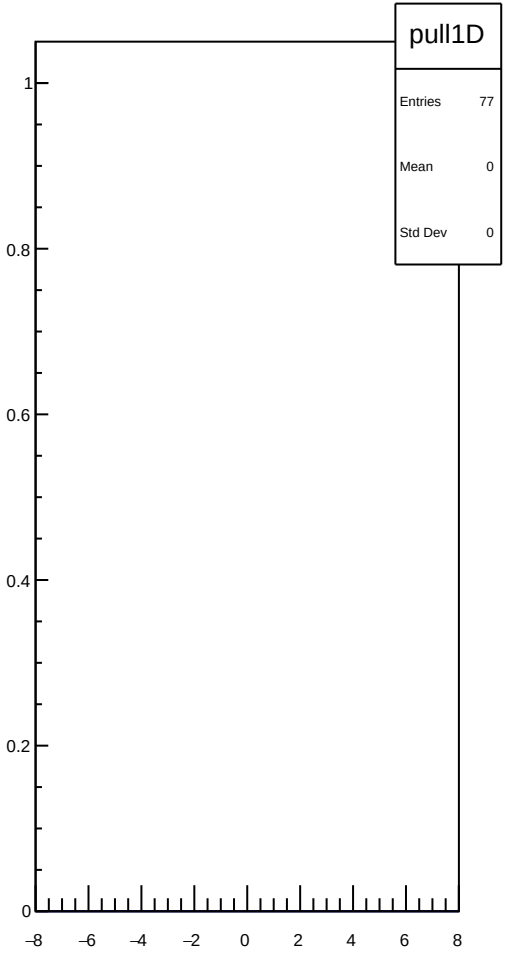


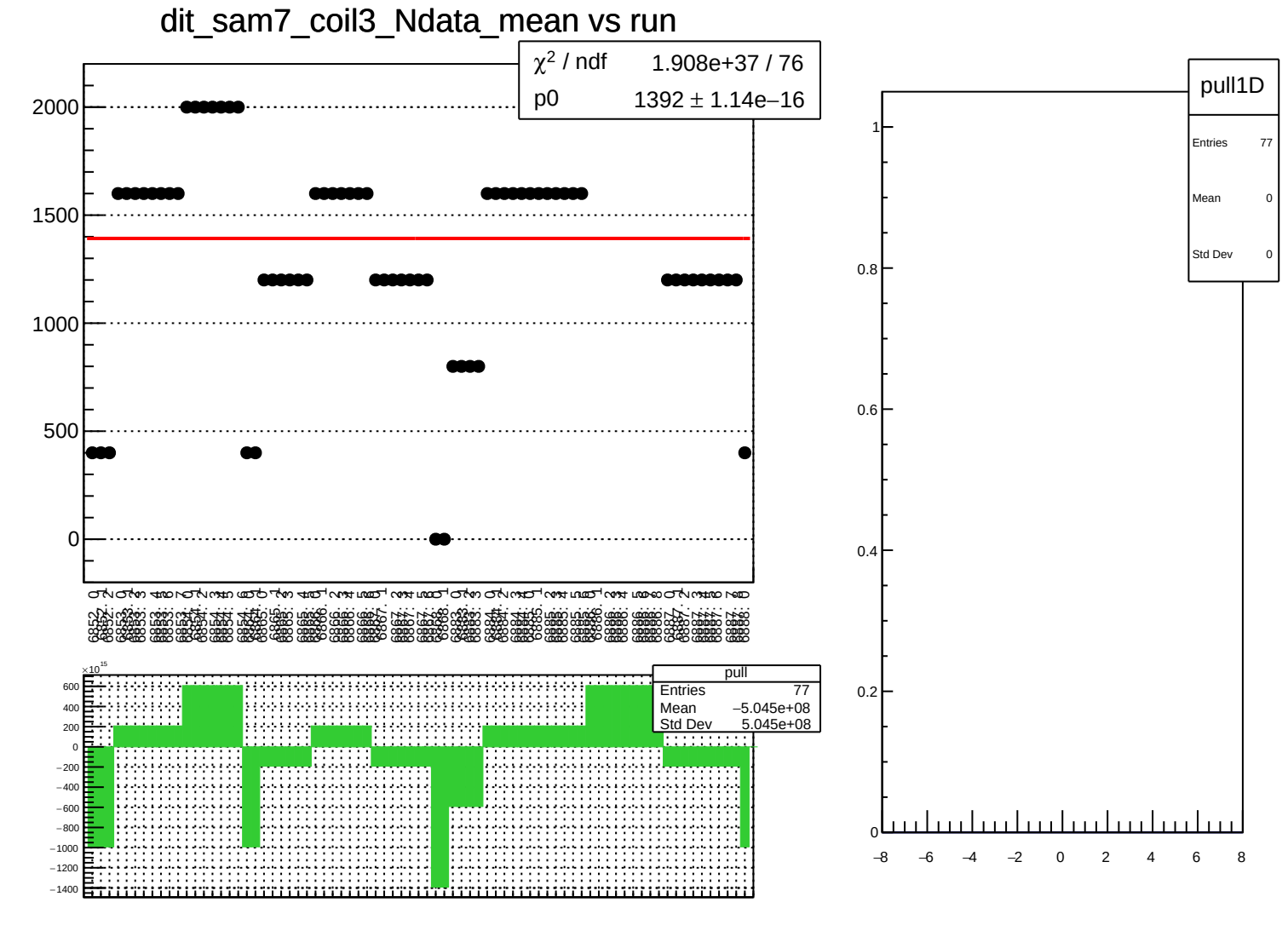


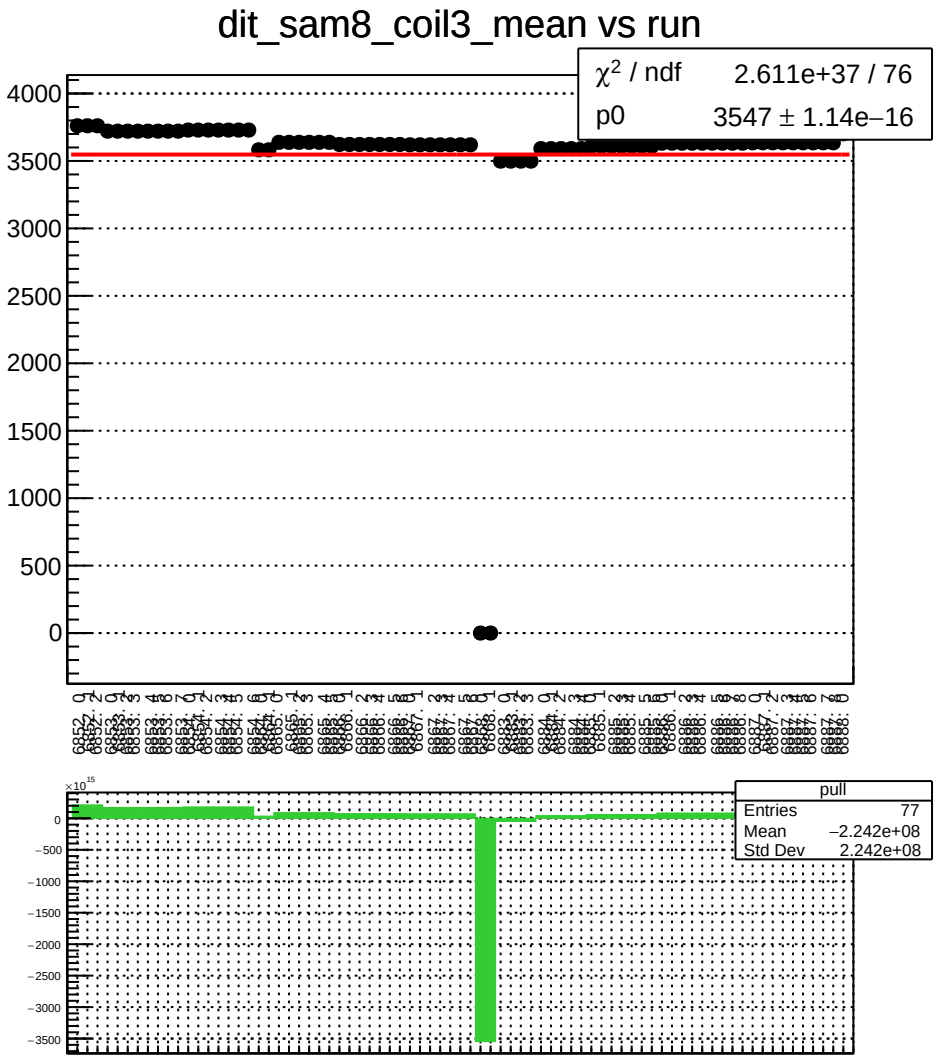

dit_sam7_coil3_mean vs run
χ² / ndf 4.723e+37 / 76
p0 4784 ± 1.14e−16
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean 1.346e+08
Std Dev 1.346e+08
×10¹⁵
0
−1000
−2000
−3000
−4000
−5000

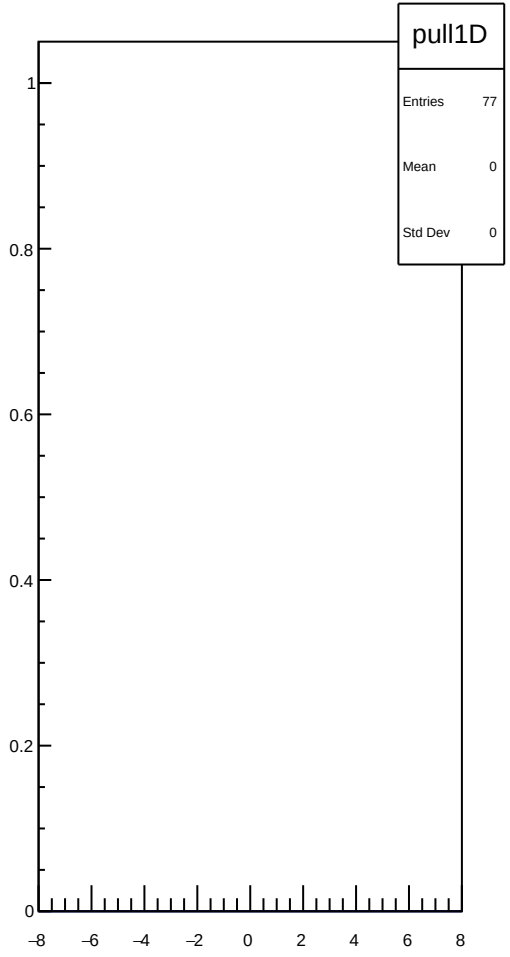

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

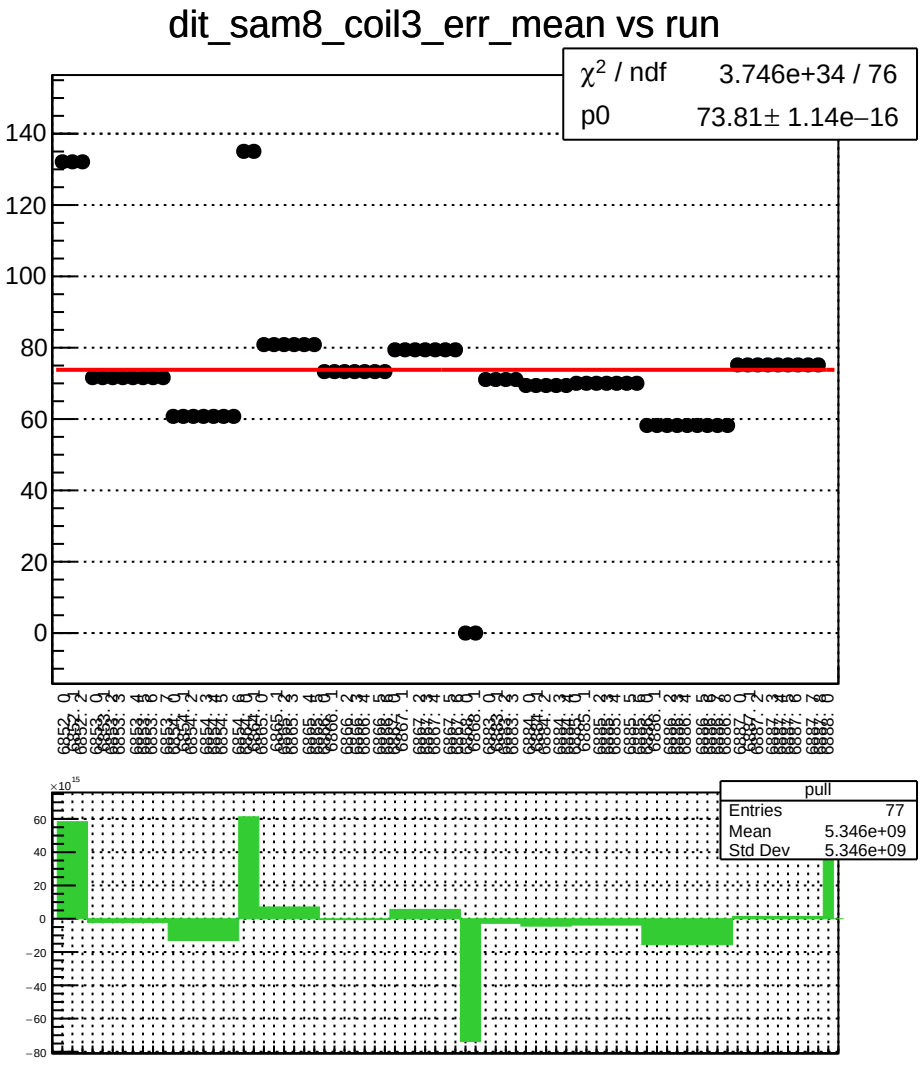

dit_sam7_coil3_err_mean vs run
χ^2 / ndf 6.908e+34 / 76
p0 100.3 ± 1.14e–16
200
150
100
50
0
pull
Entries 77
Mean 6.223e+08
Std Dev 6.223e+08
100
50
0
−50
−100

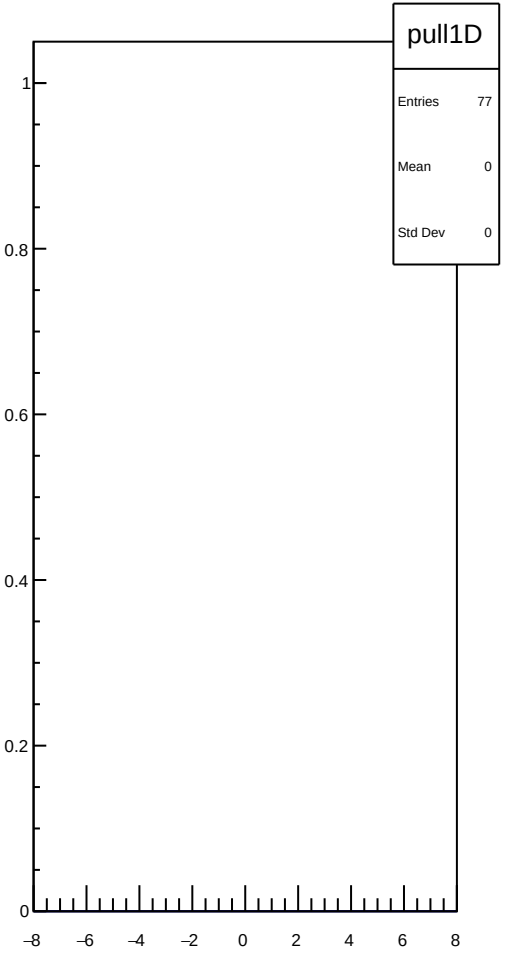

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

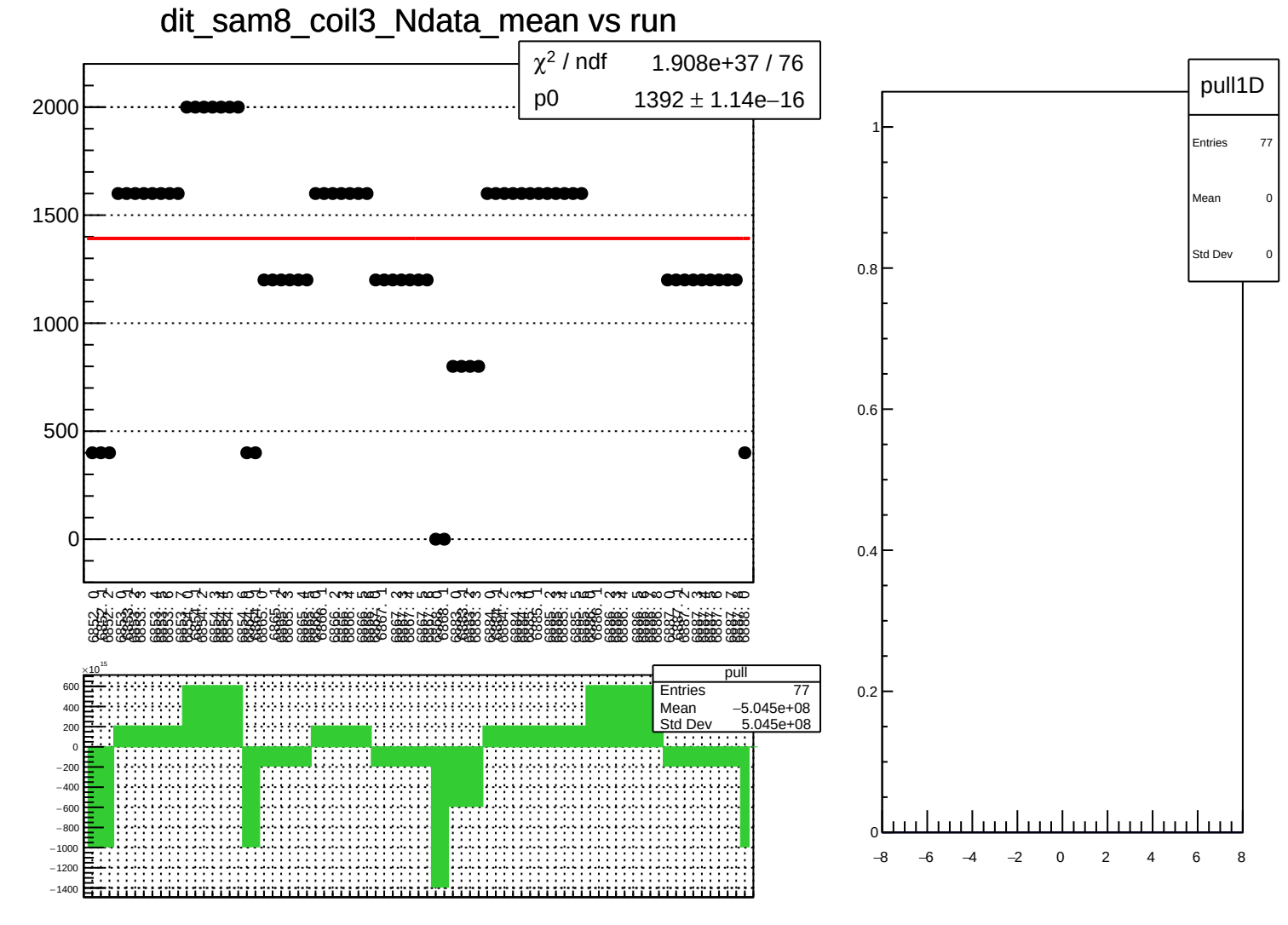

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

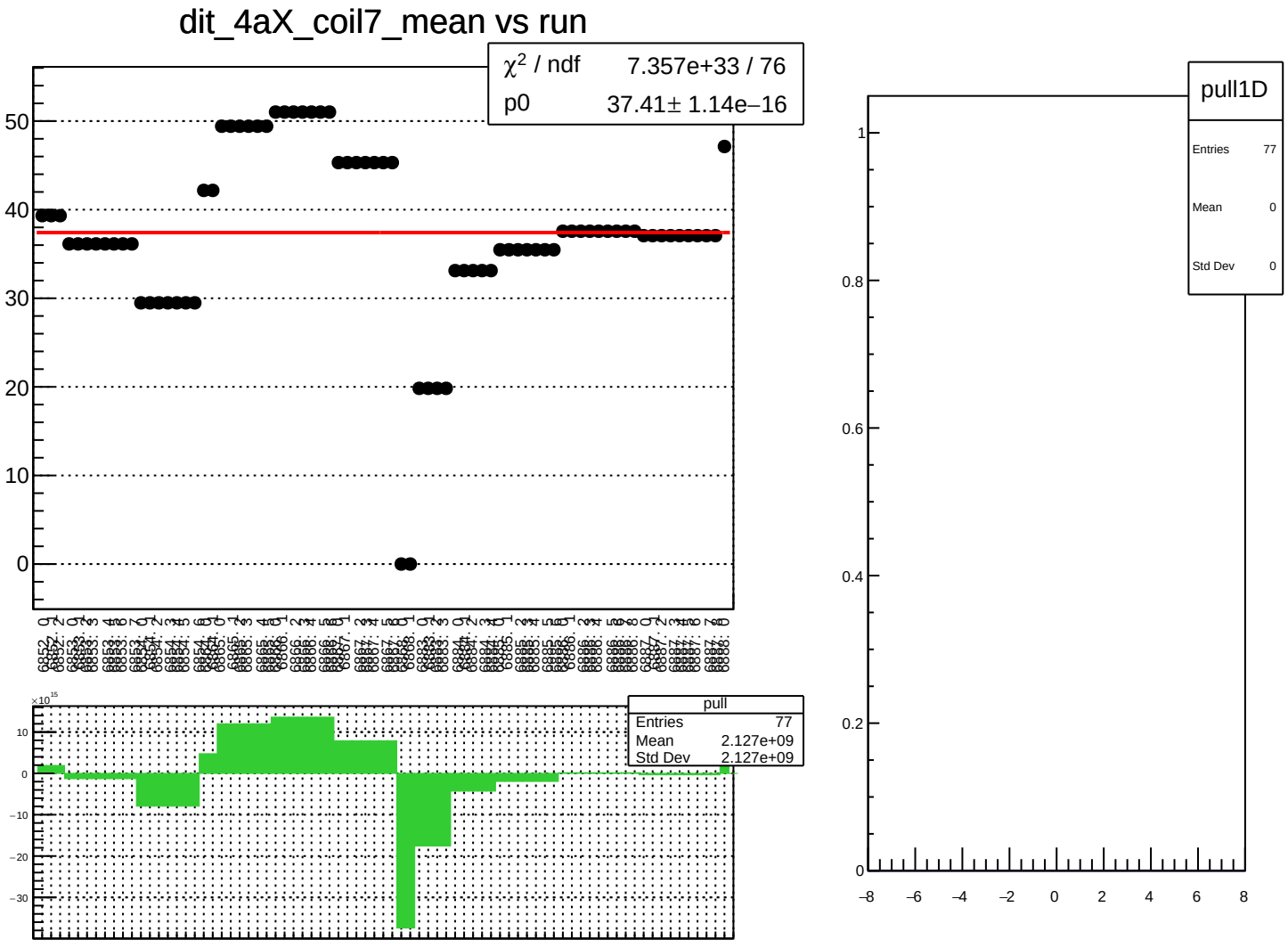

dit_sam8_coil3_mean vs run
χ² / ndf 2.611e+37 / 76
p0 3547 ± 1.14e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 77
Mean −2.242e+08
Std Dev 2.242e+08
×10^15
0
−500
−1000
−1500
−2000
−2500
−3000
−3500


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

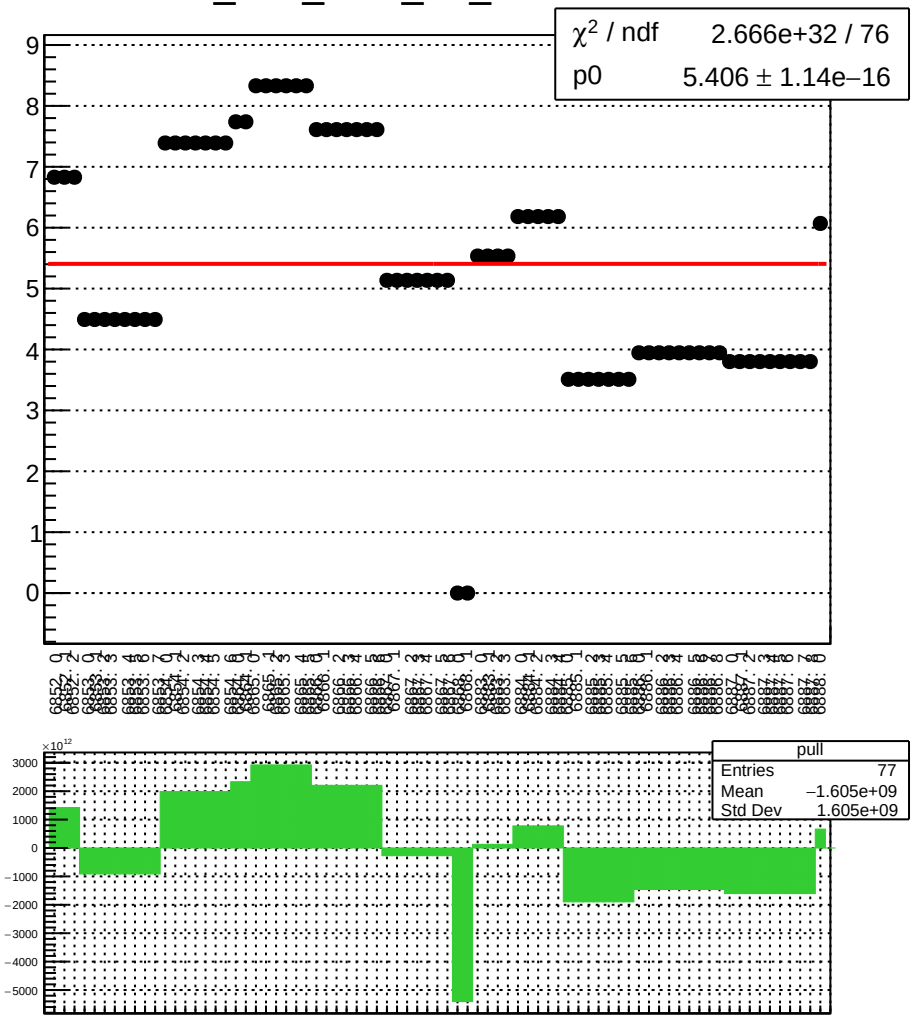

dit_sam8_coil3_err_mean vs run
χ² / ndf 3.746e+34 / 76
p0 73.81± 1.14e−16
pull
Entries 77
Mean 5.346e+09
Std Dev 5.346e+09

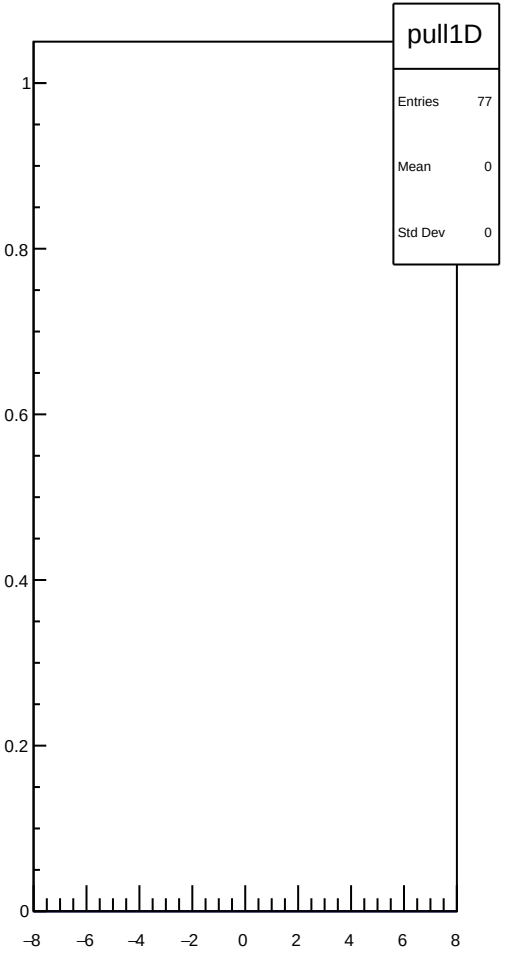

pull1D
Entries 77
Mean 0
Std Dev 0


dit_sam8_coil3_Ndata_mean vs run
χ2 / ndf 1.908e+37 / 76
p0 1392 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean −5.045e+08
Std Dev 5.045e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

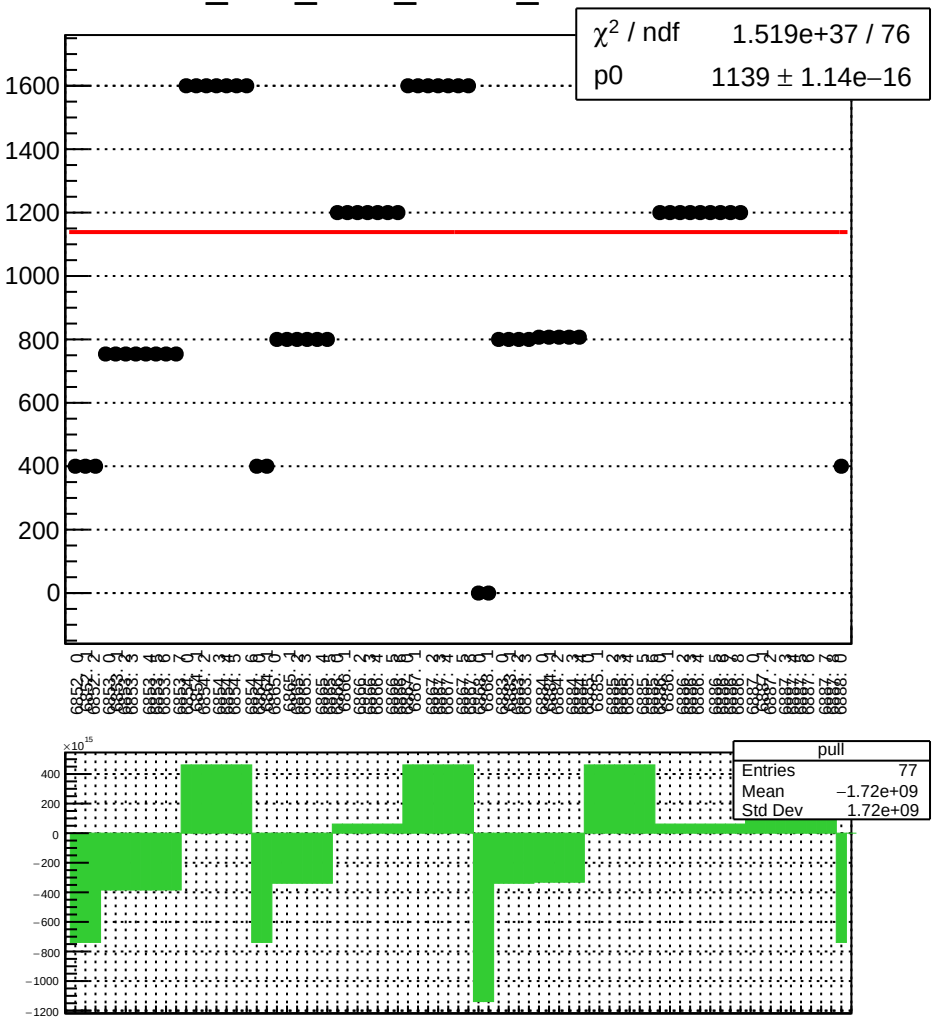

dit_4aX_coil7_mean vs run
χ² / ndf 7.357e+33 / 76
p0 37.41± 1.14e−16
pull
Entries 77
Mean 2.127e+09
Std Dev 2.127e+09
pull1D
Entries 77
Mean 0
Std Dev 0

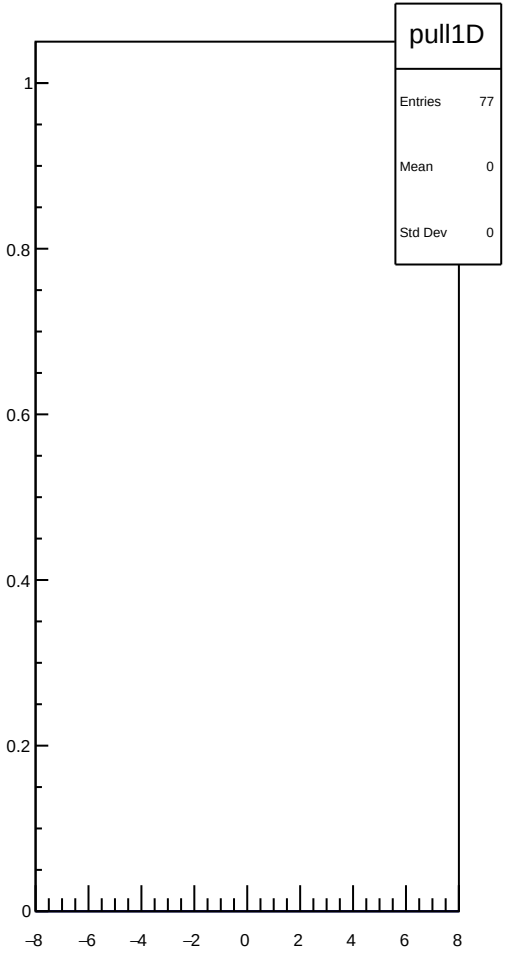
dit_4aX_coil7_err_mean vs run

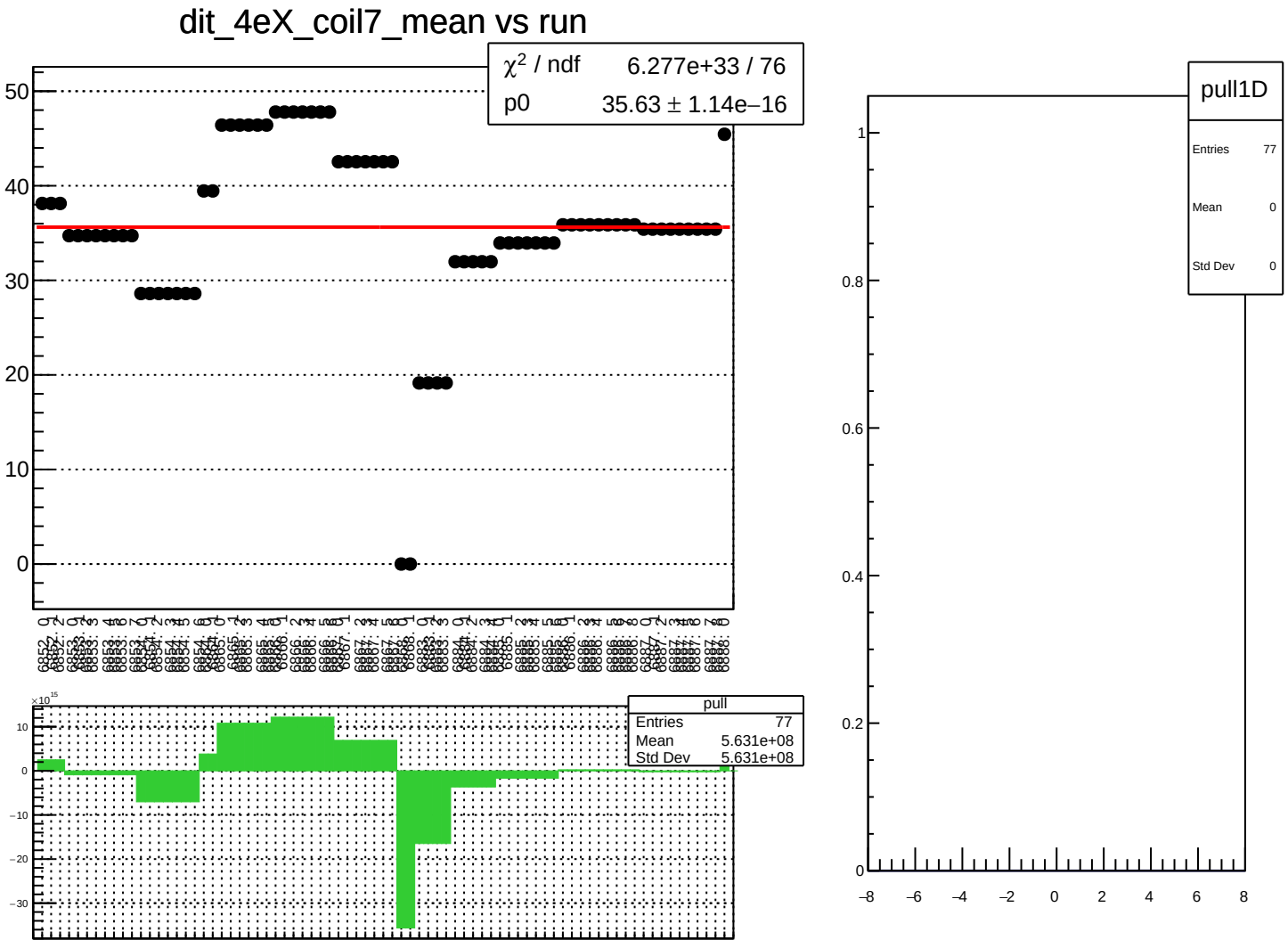


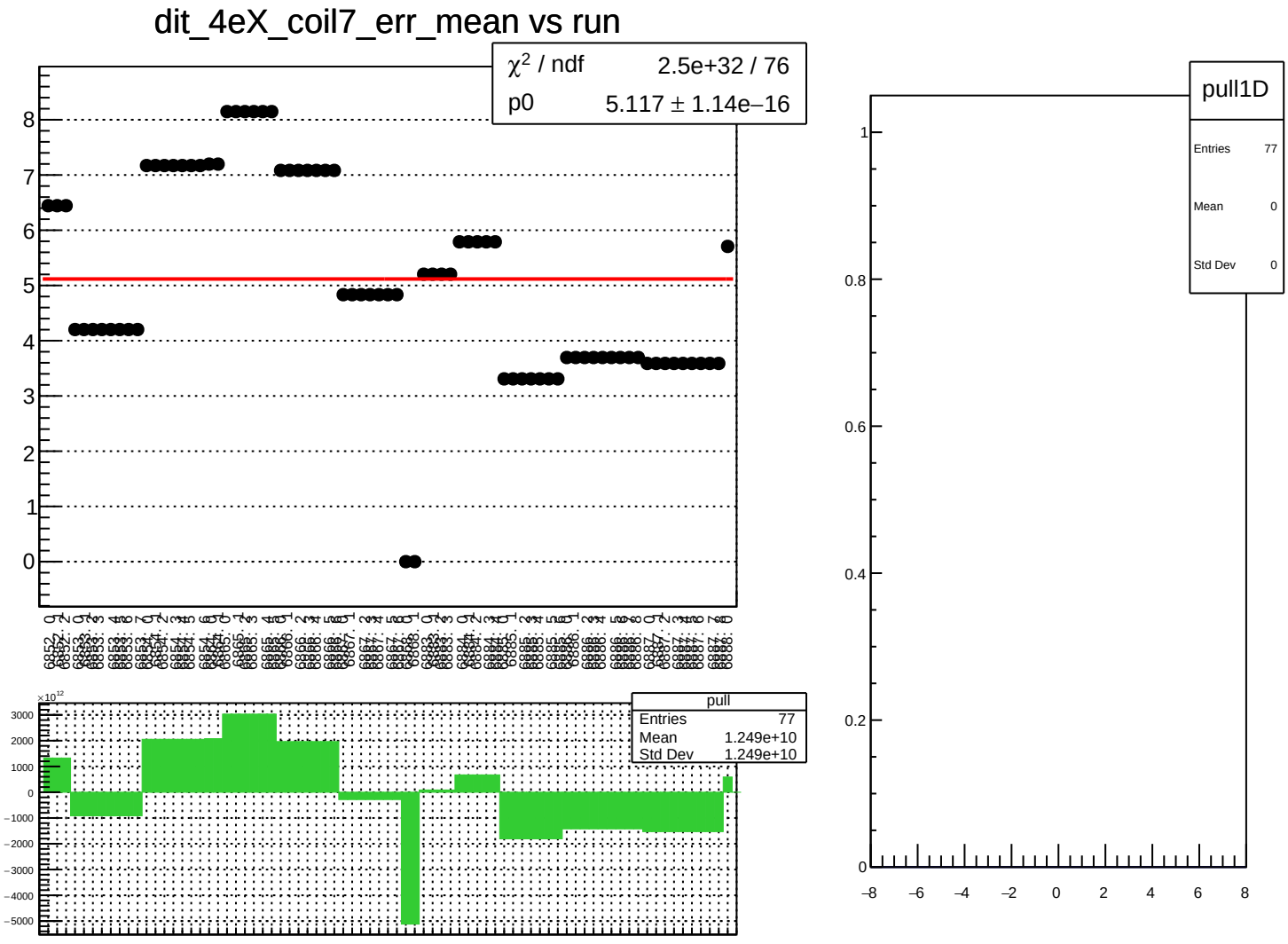


dit_4aX_coil7_Ndata_mean vs run

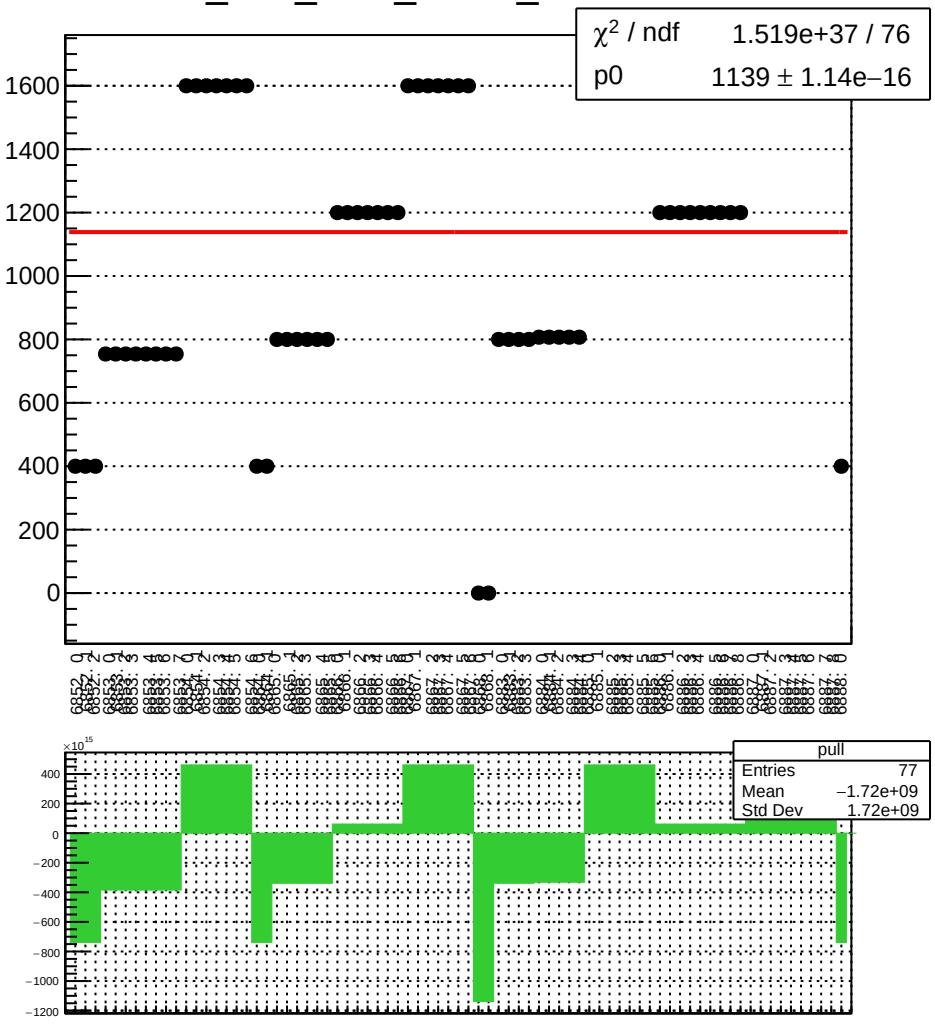


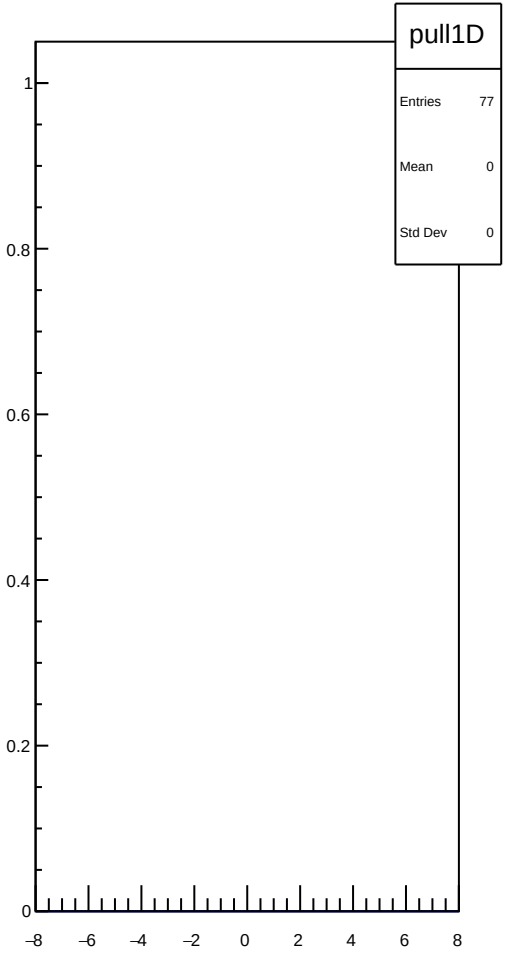



dit_4eX_coil7_mean vs run
χ^2 / ndf 6.277e+33 / 76
p0 35.63 ± 1.14e−16
pull
Entries 77
Mean 5.631e+08
Std Dev 5.631e+08
pull1D
Entries 77
Mean 0
Std Dev 0

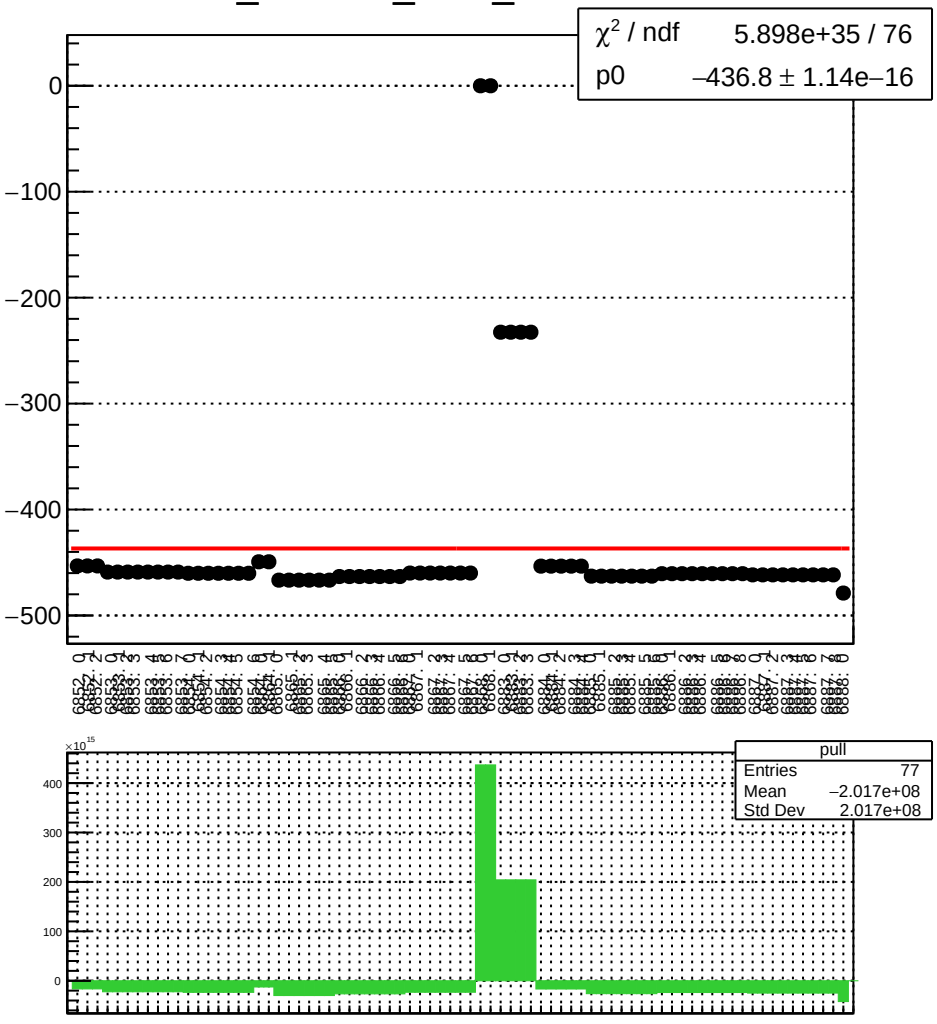

dit_4eX_coil7_err_mean vs run
χ² / ndf 2.5e+32 / 76
p0 5.117 ± 1.14e−16
pull
Entries 77
Mean 1.249e+10
Std Dev 1.249e+10
pull1D
Entries 77
Mean 0
Std Dev 0

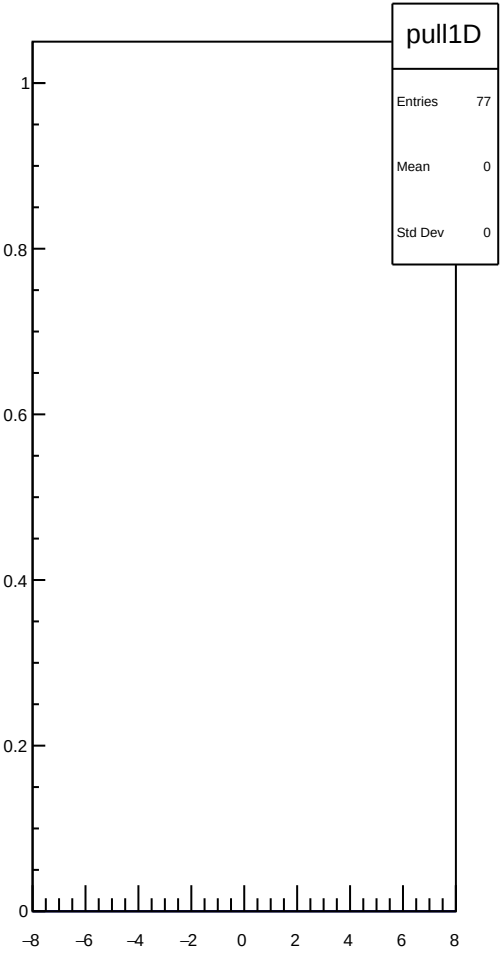
dit_4eX_coil7_Ndata_mean vs run



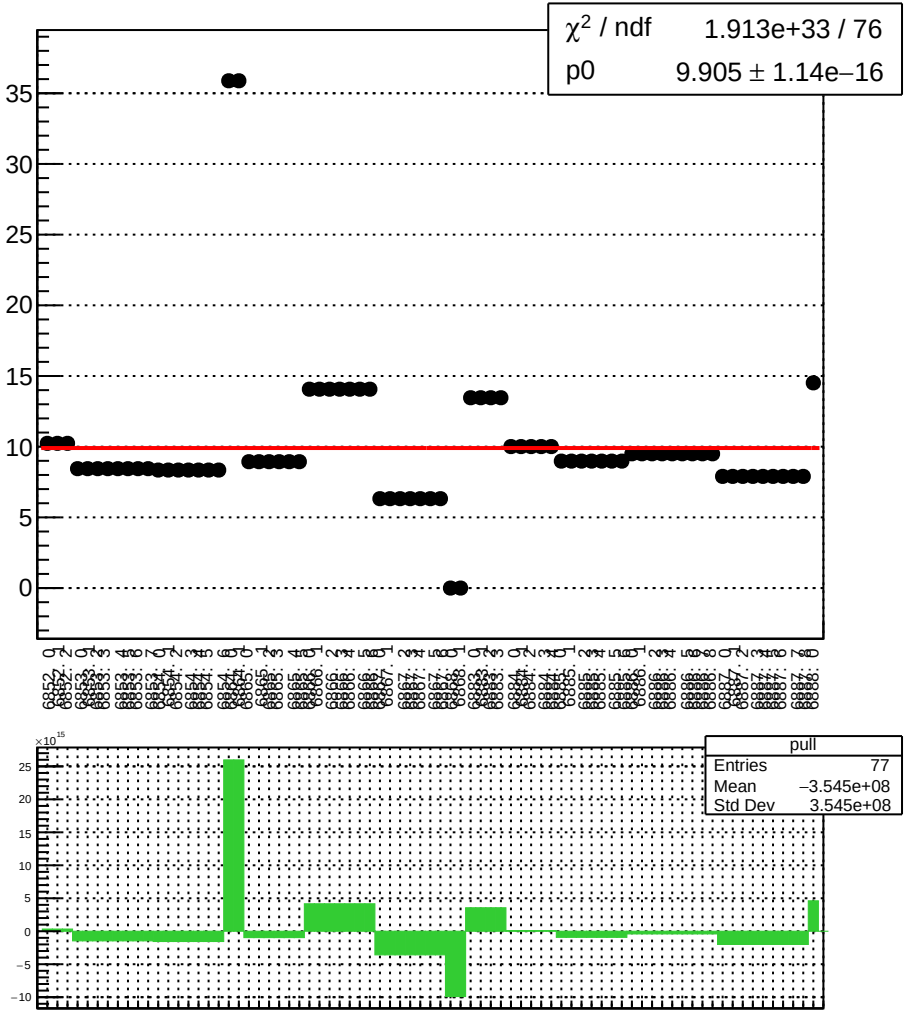


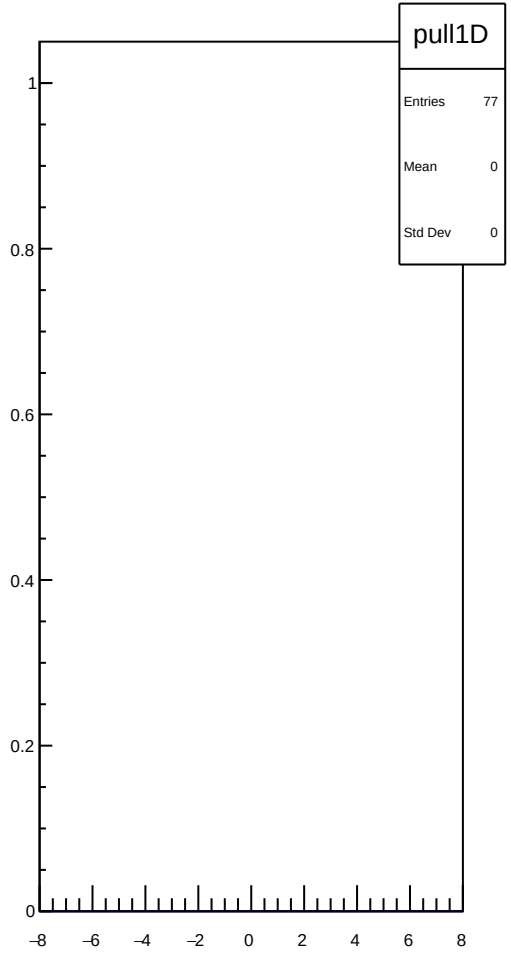
dit_11X12X_coil7_mean vs run

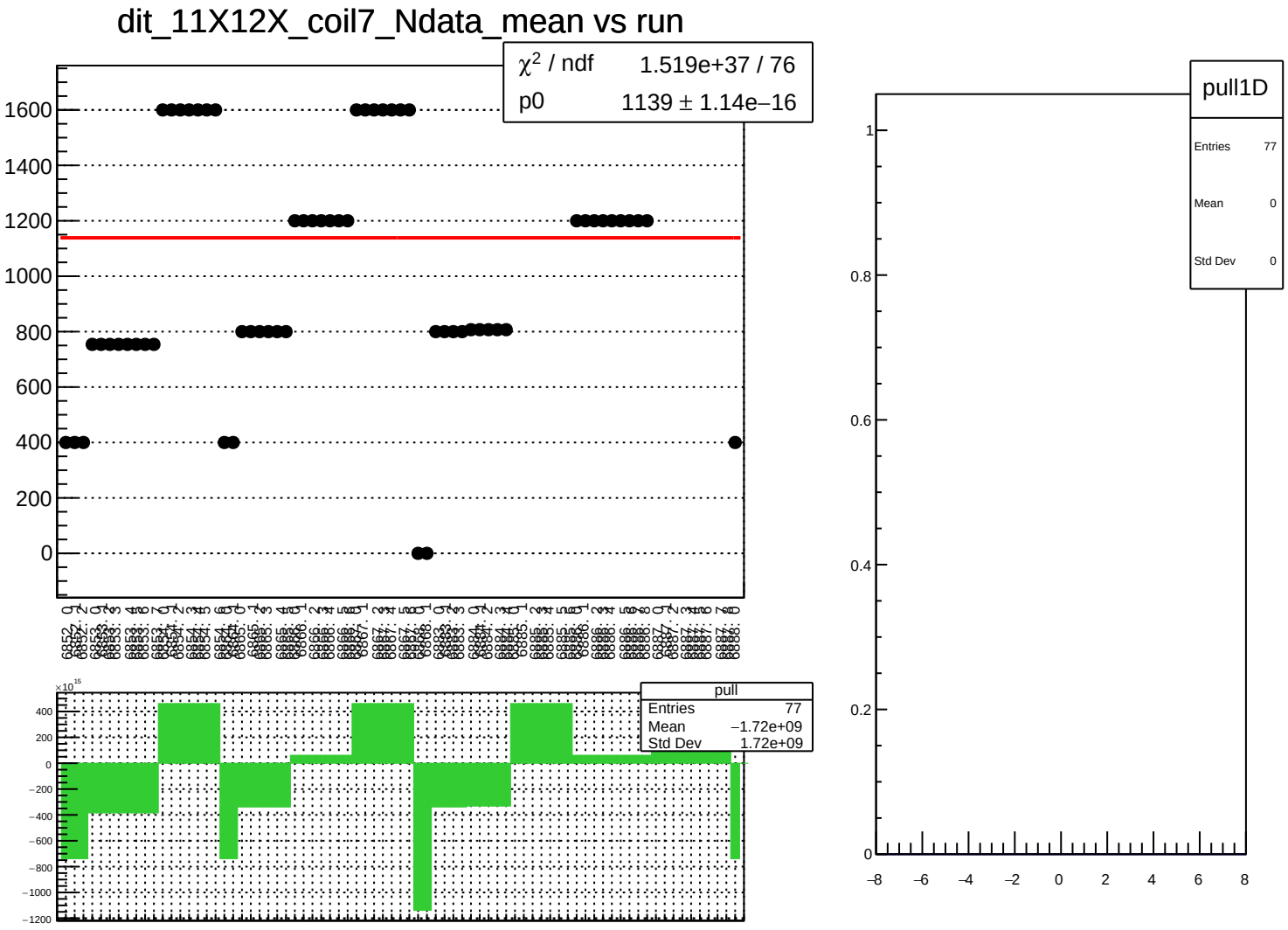


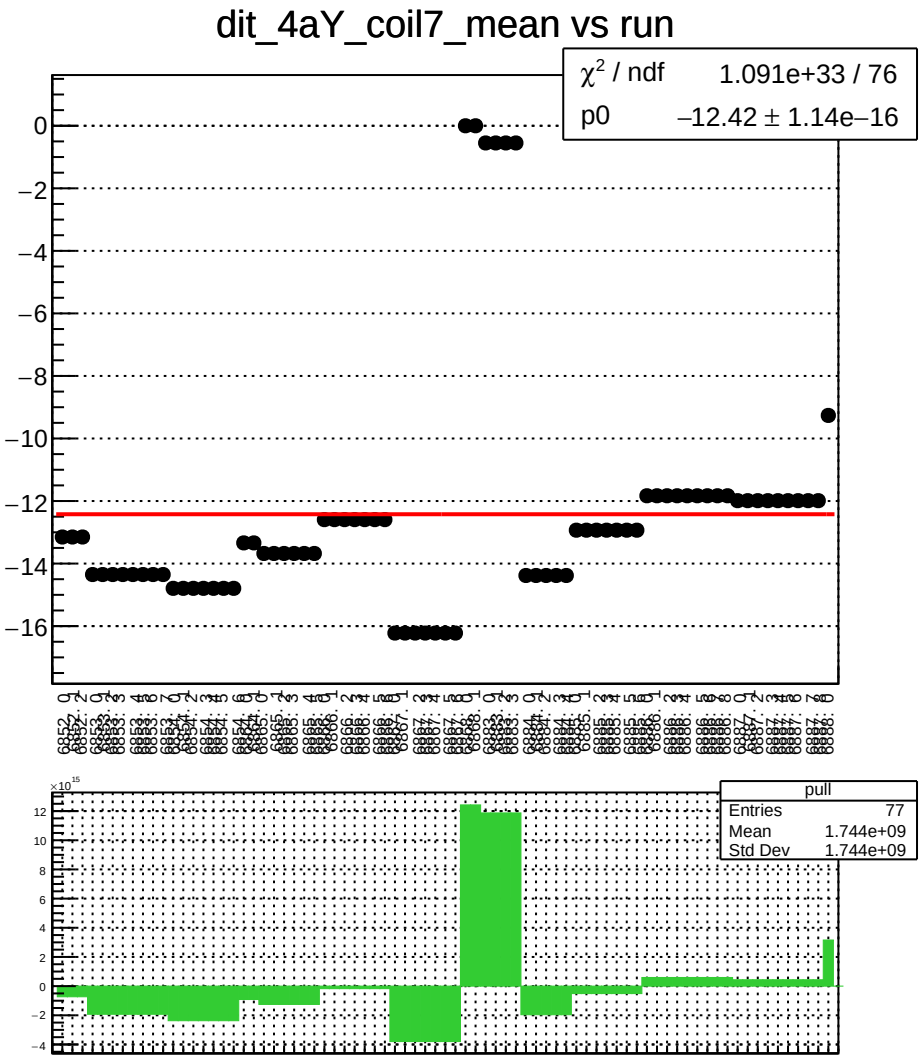


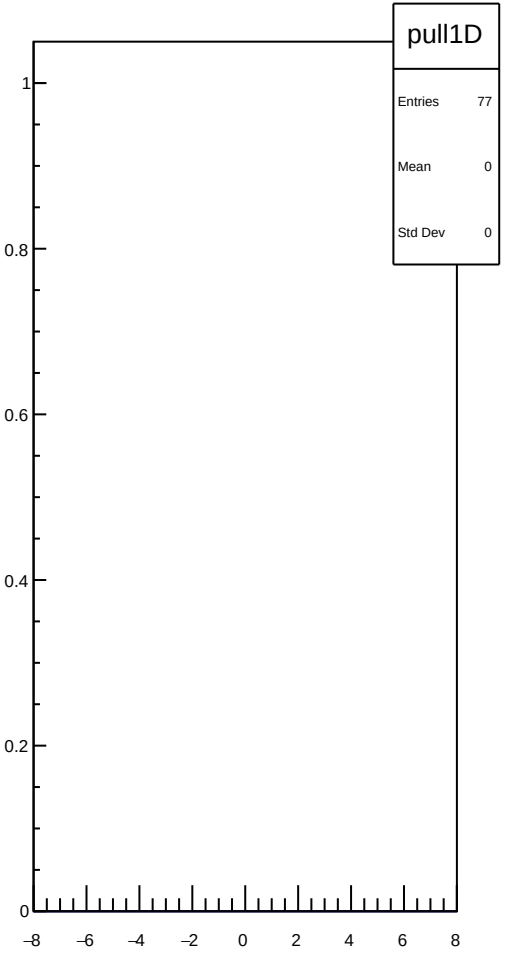
dit_11X12X_coil7_err_mean vs run



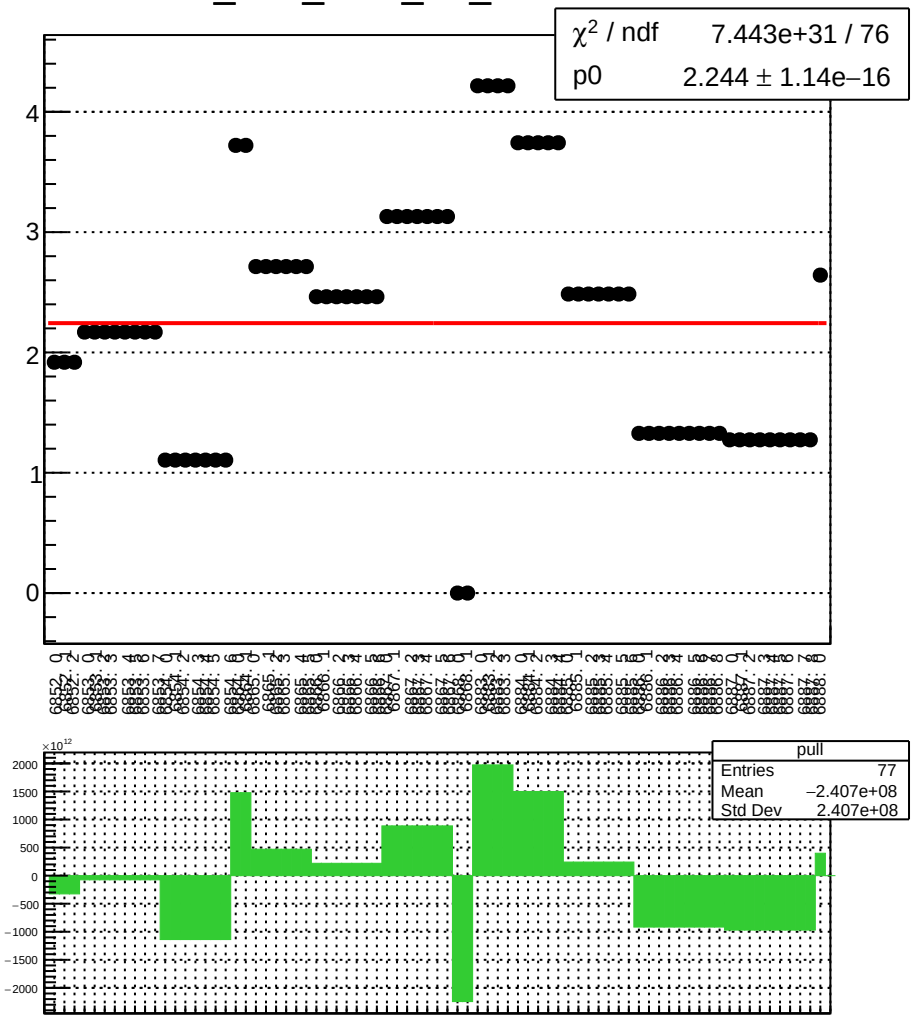


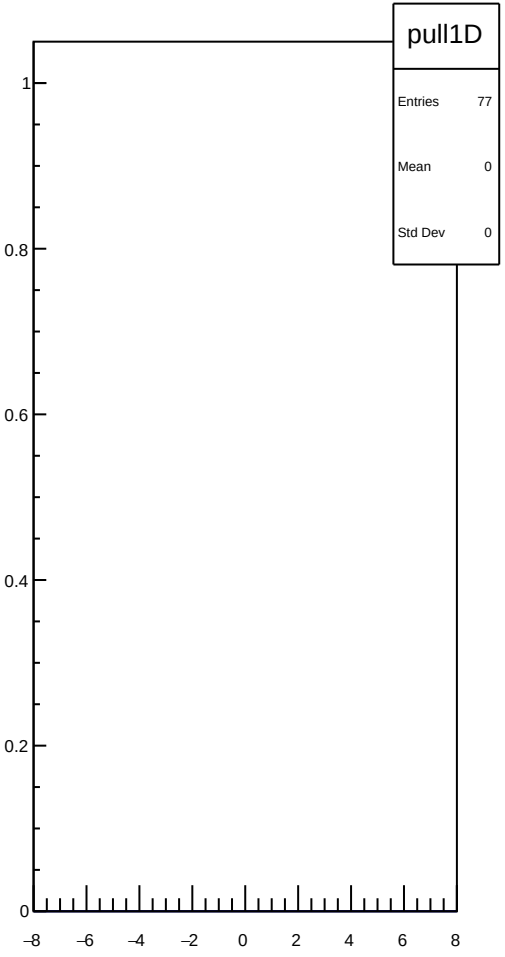

dit_11X12X_coil7_Ndata_mean vs run
χ2 / ndf 1.519e+37 / 76
p0 1139 ± 1.14e−16
pull
Entries 77
Mean −1.72e+09
Std Dev 1.72e+09
pull1D
Entries 77
Mean 0
Std Dev 0


dit_4aY_coil7_mean vs run
χ^2 / ndf 1.091e+33 / 76
p0 –12.42 ± 1.14e–16
pull
Entries 77
Mean 1.744e+09
Std Dev 1.744e+09

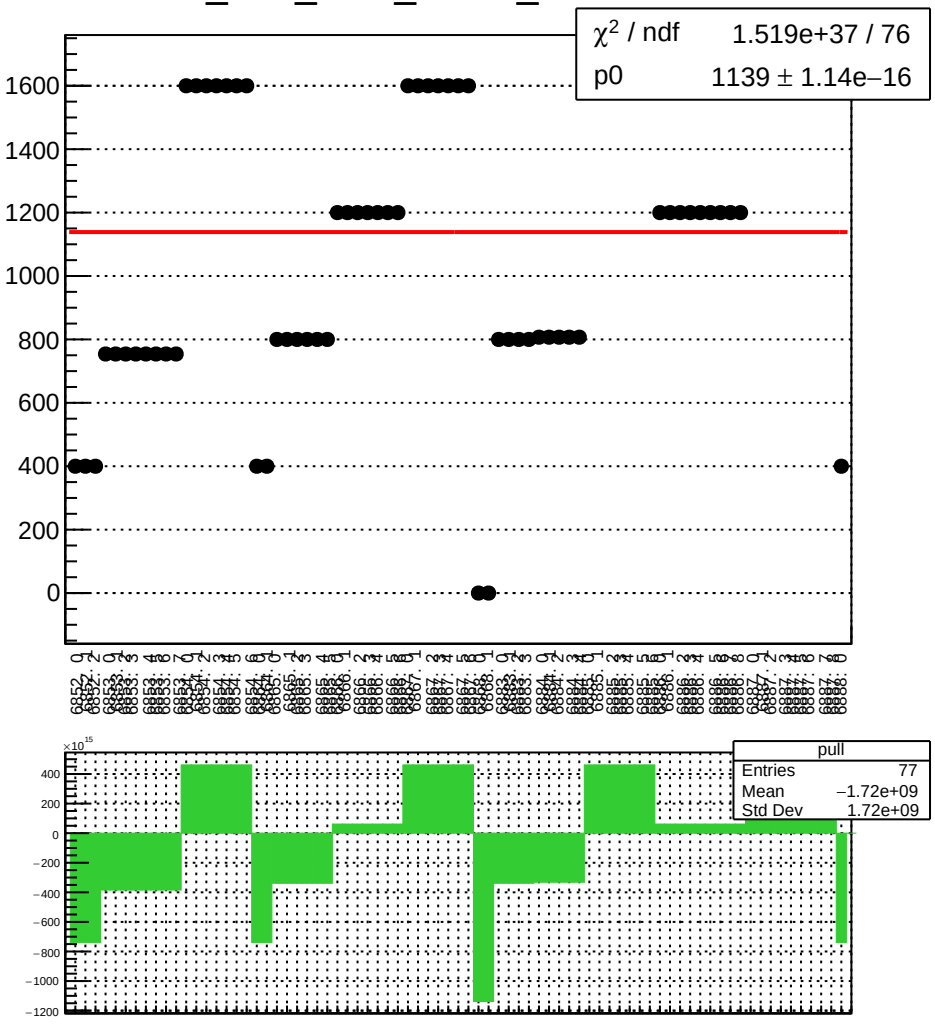

pull1D
Entries 77
Mean 0
Std Dev 0

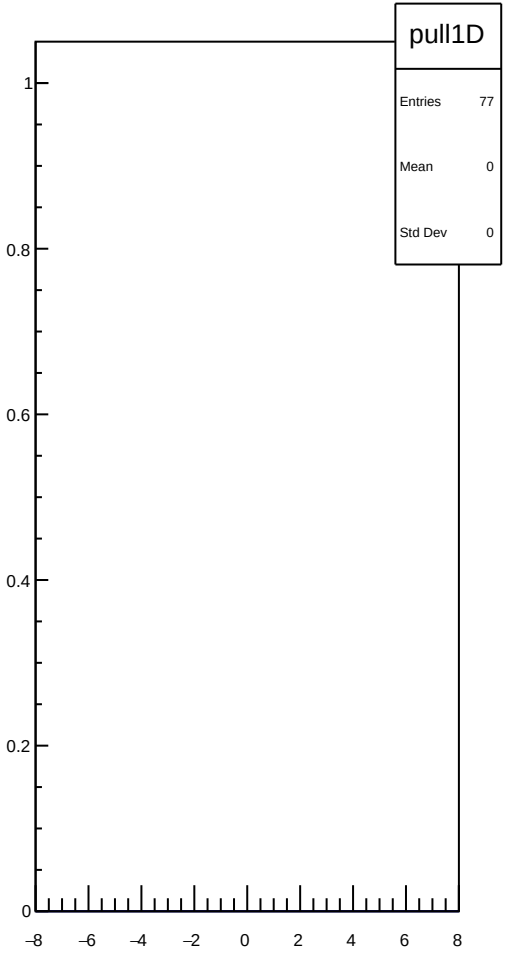
dit_4aY_coil7_err_mean vs run

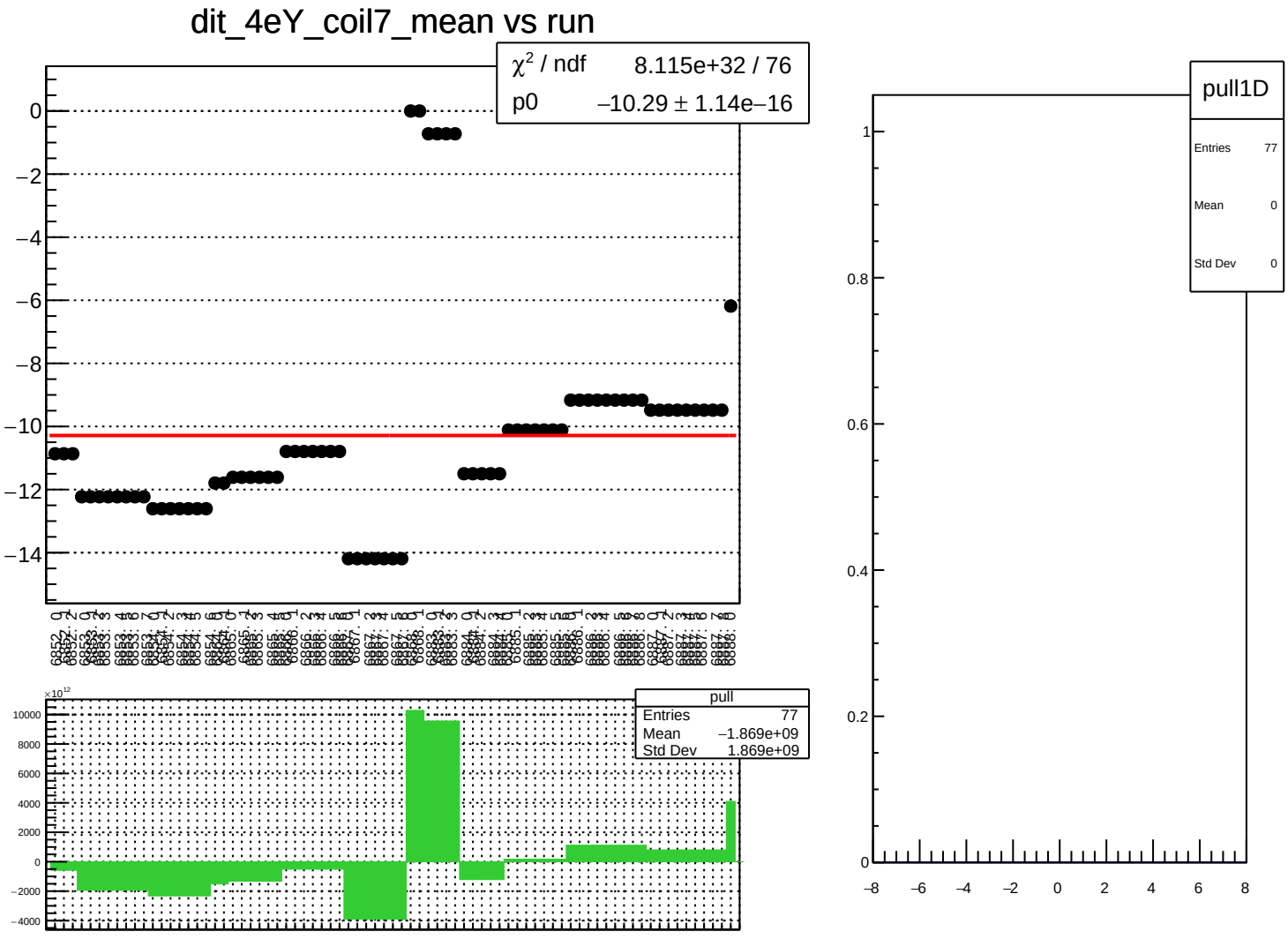


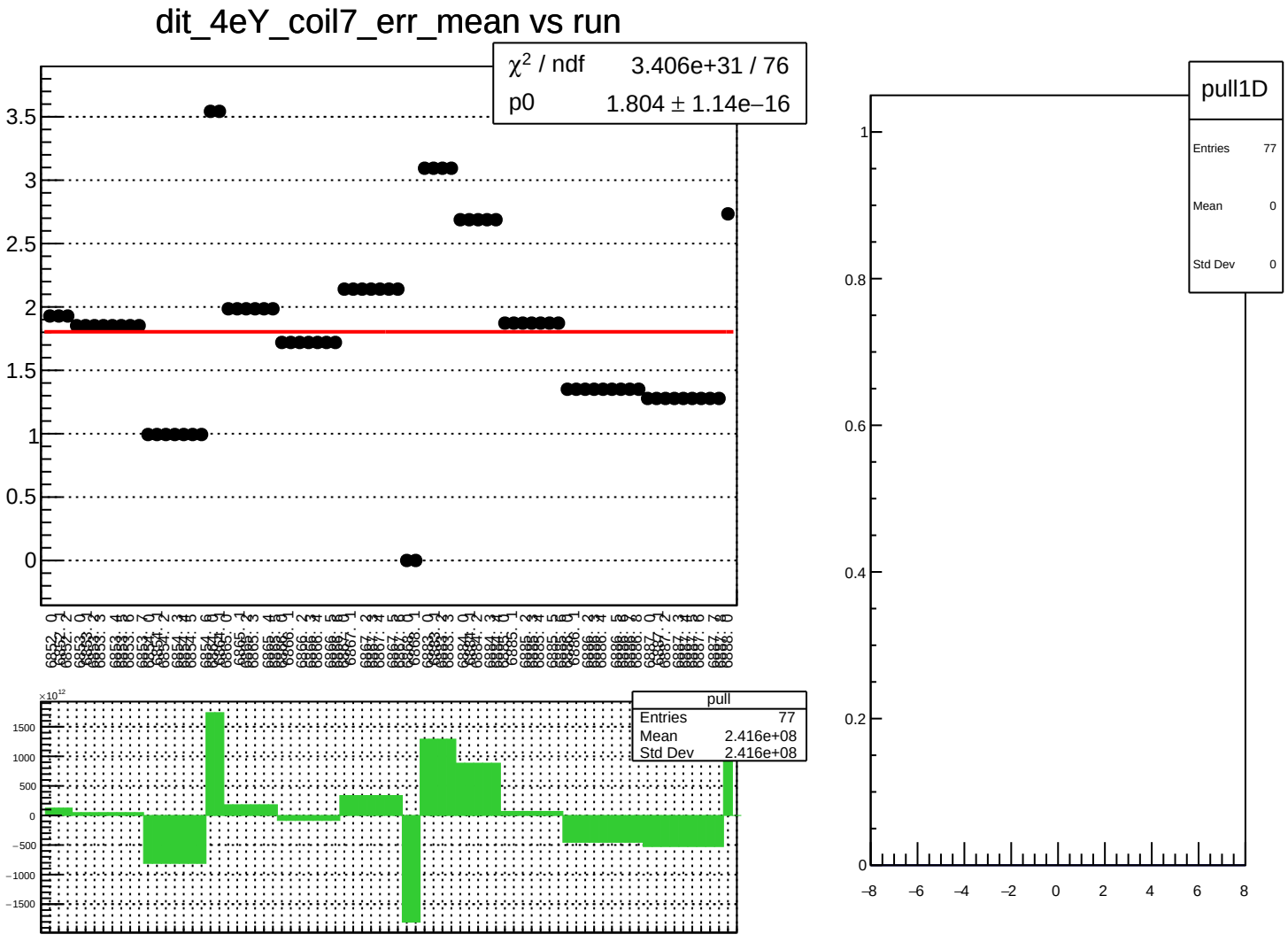


dit_4aY_coil7_Ndata_mean vs run

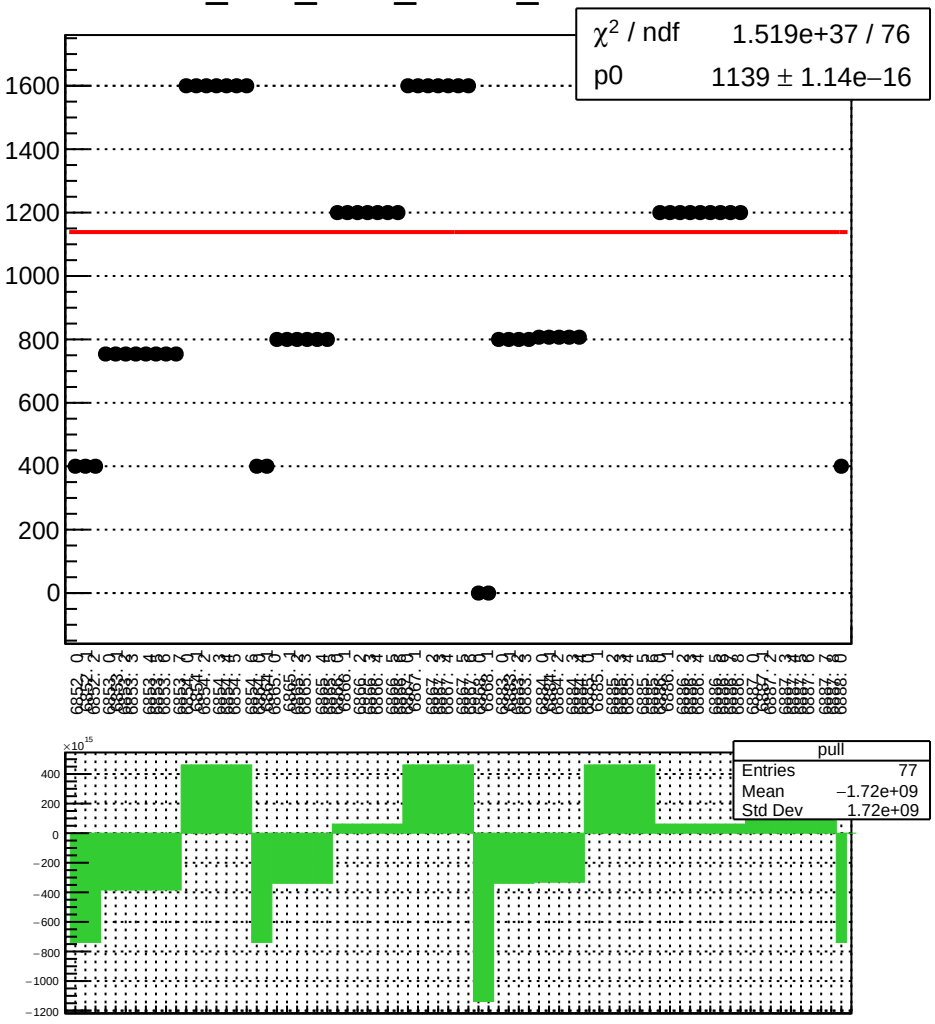


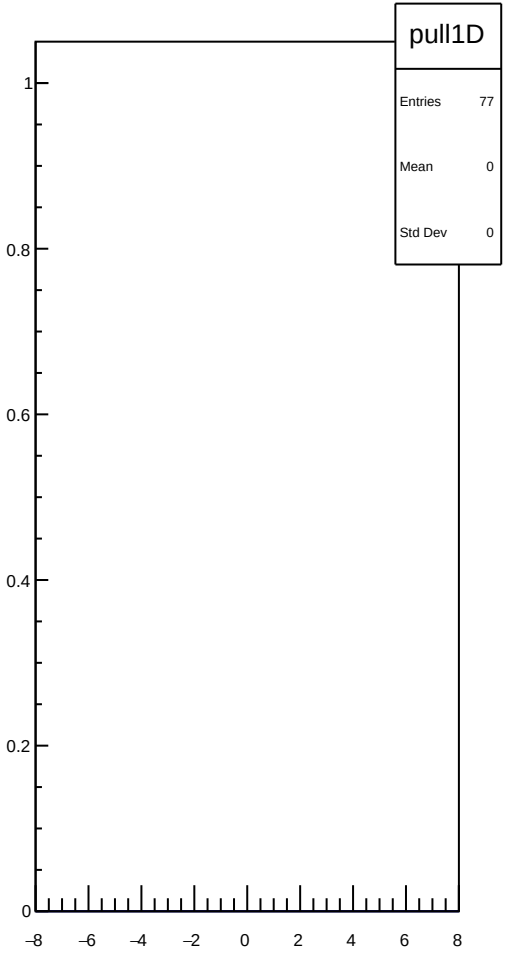


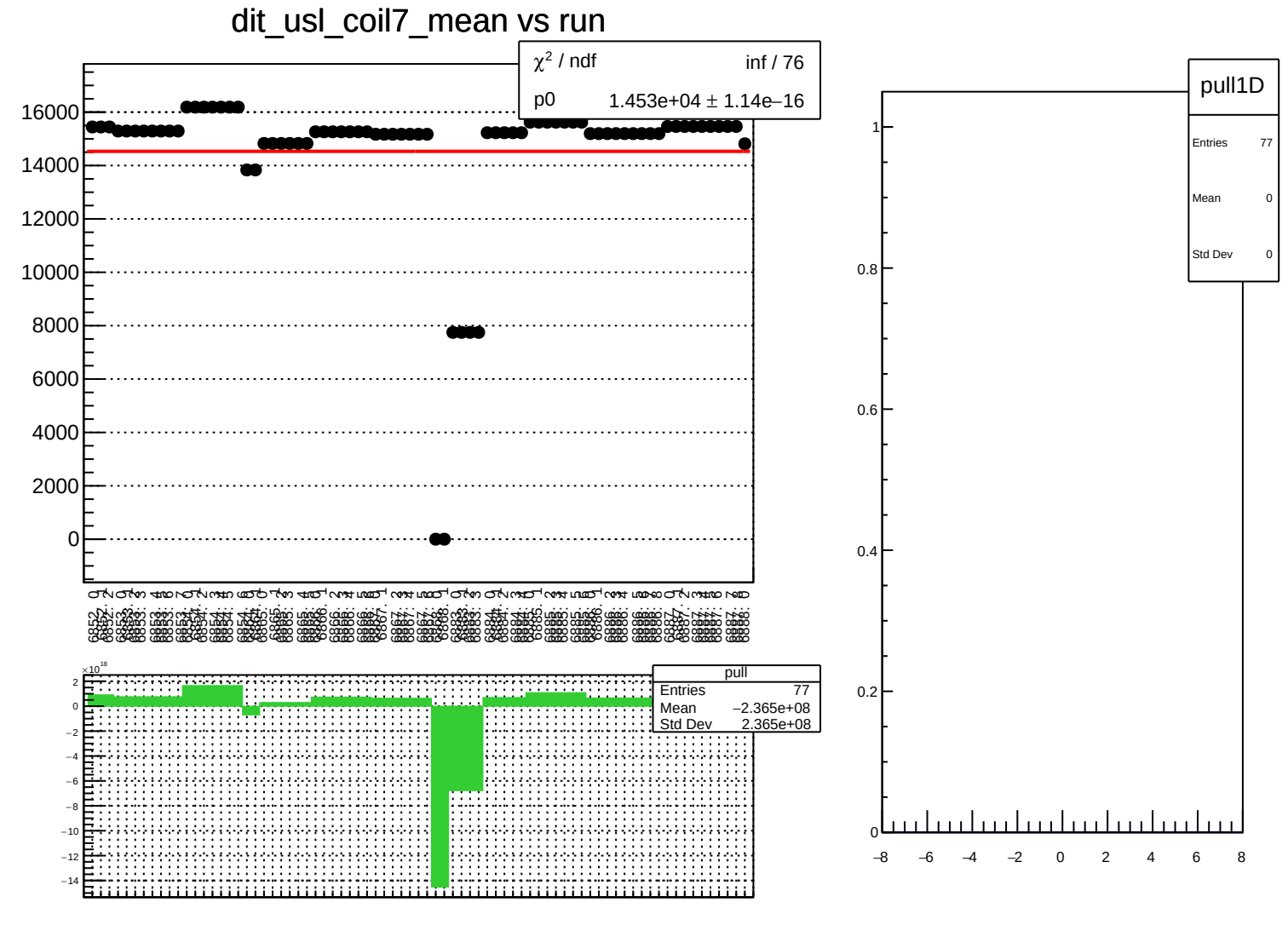

dit_4eY_coil7_mean vs run
χ² / ndf 8.115e+32 / 76
p0 –10.29 ± 1.14e–16
pull
Entries 77
Mean –1.869e+09
Std Dev 1.869e+09
pull1D
Entries 77
Mean 0
Std Dev 0

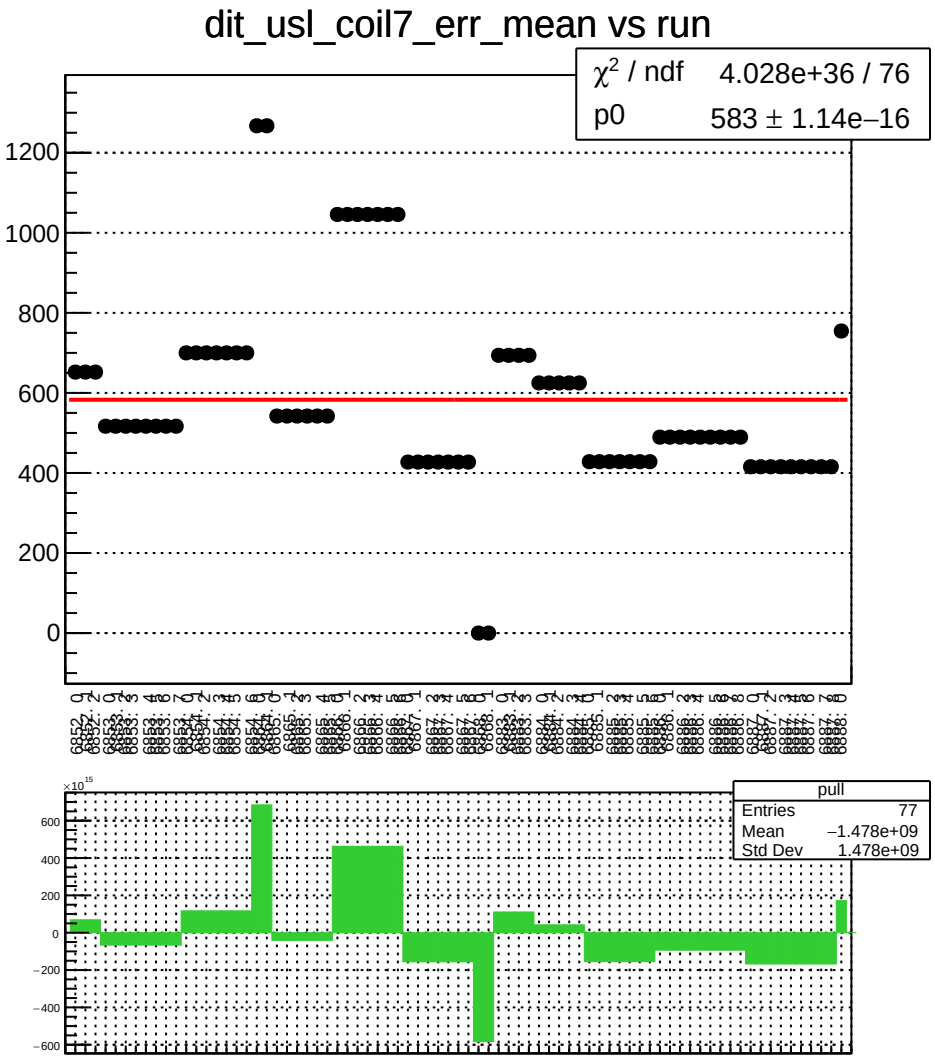

dit_4eY_coil7_err_mean vs run
χ² / ndf 3.406e+31 / 76
p0 1.804 ± 1.14e−16
pull
Entries 77
Mean 2.416e+08
Std Dev 2.416e+08
pull1D
Entries 77
Mean 0
Std Dev 0

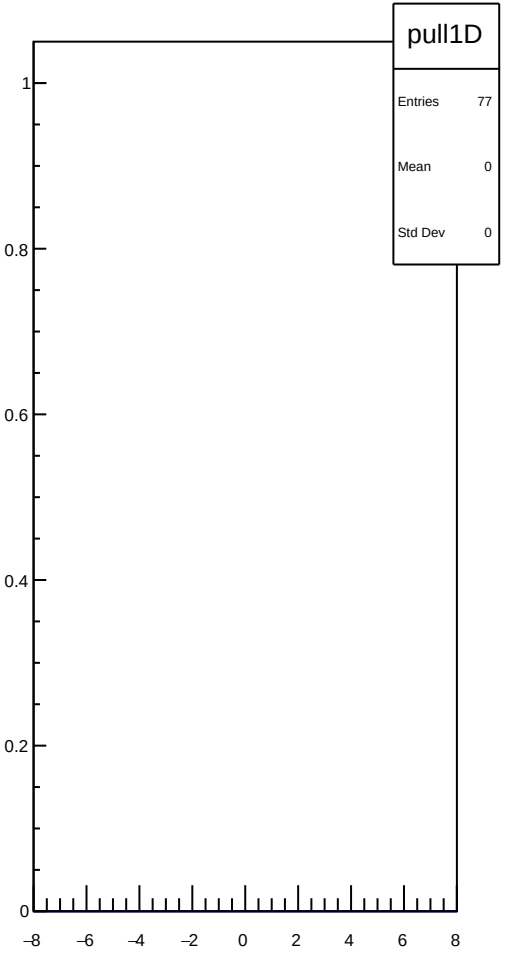
dit_4eY_coil7_Ndata_mean vs run

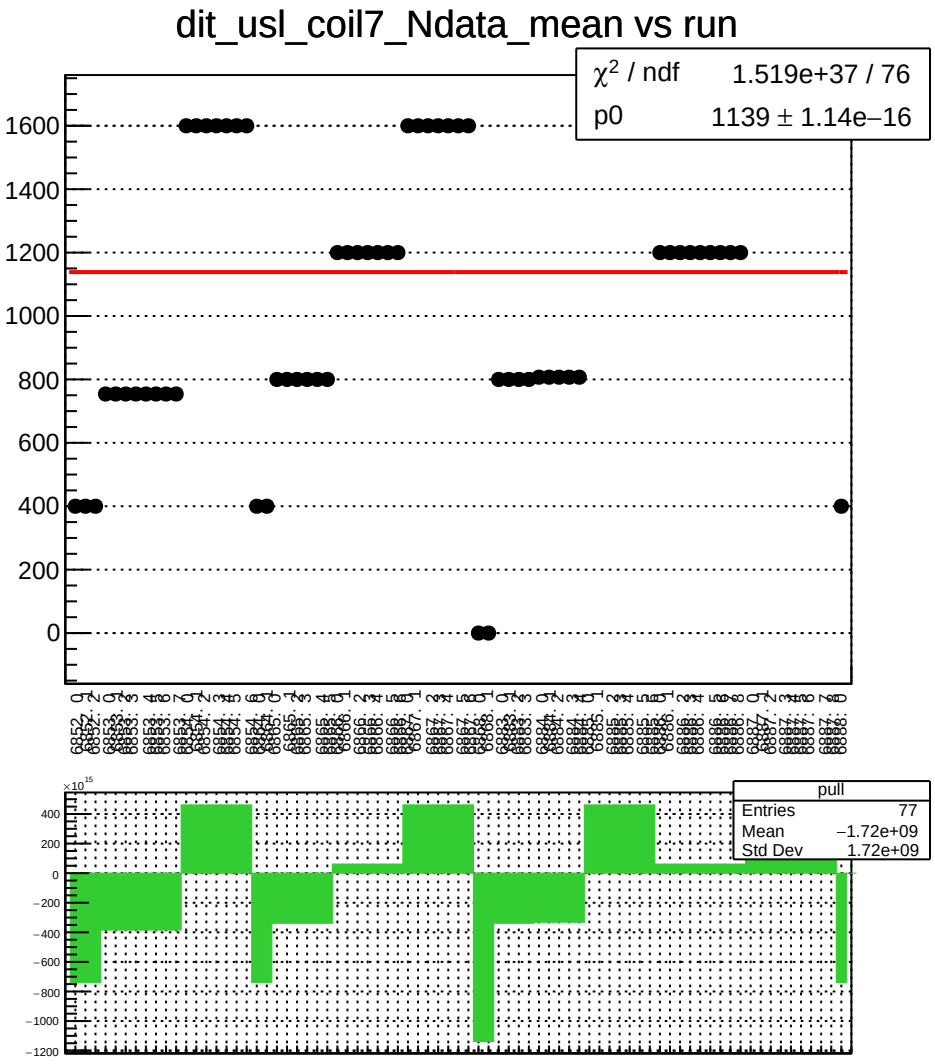


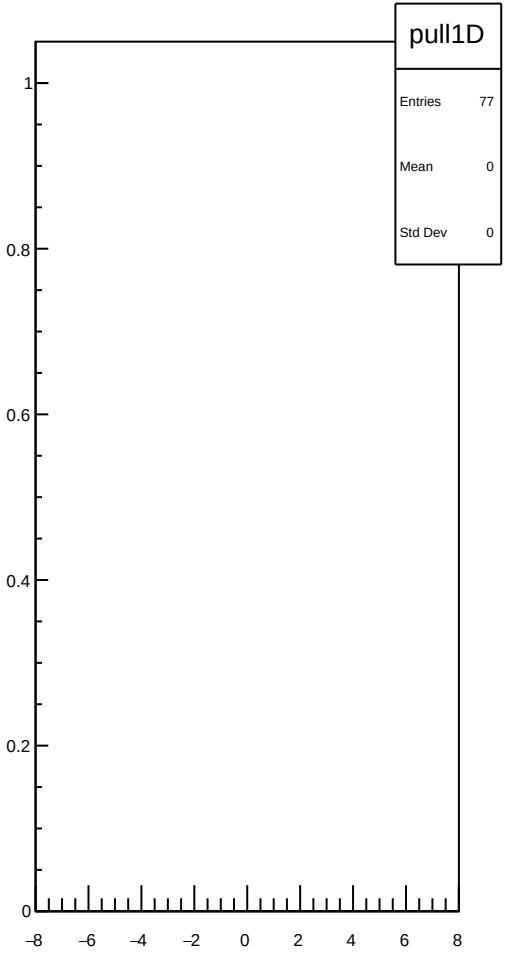


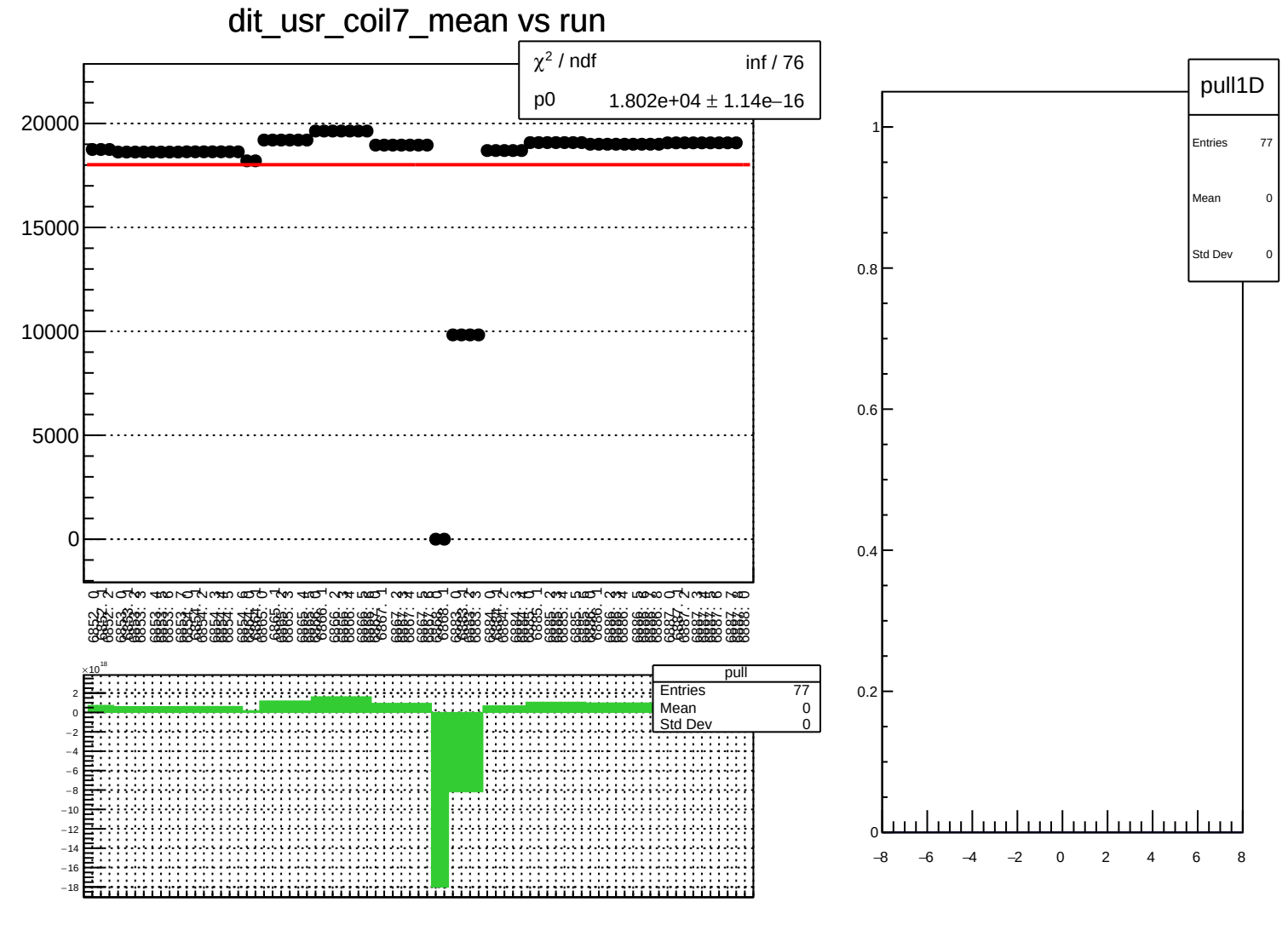

dit_usl_coil7_mean vs run
χ² / ndf inf / 76
p0 1.453e+04 ± 1.14e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 77
Mean −2.365e+08
Std Dev 2.365e+08
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

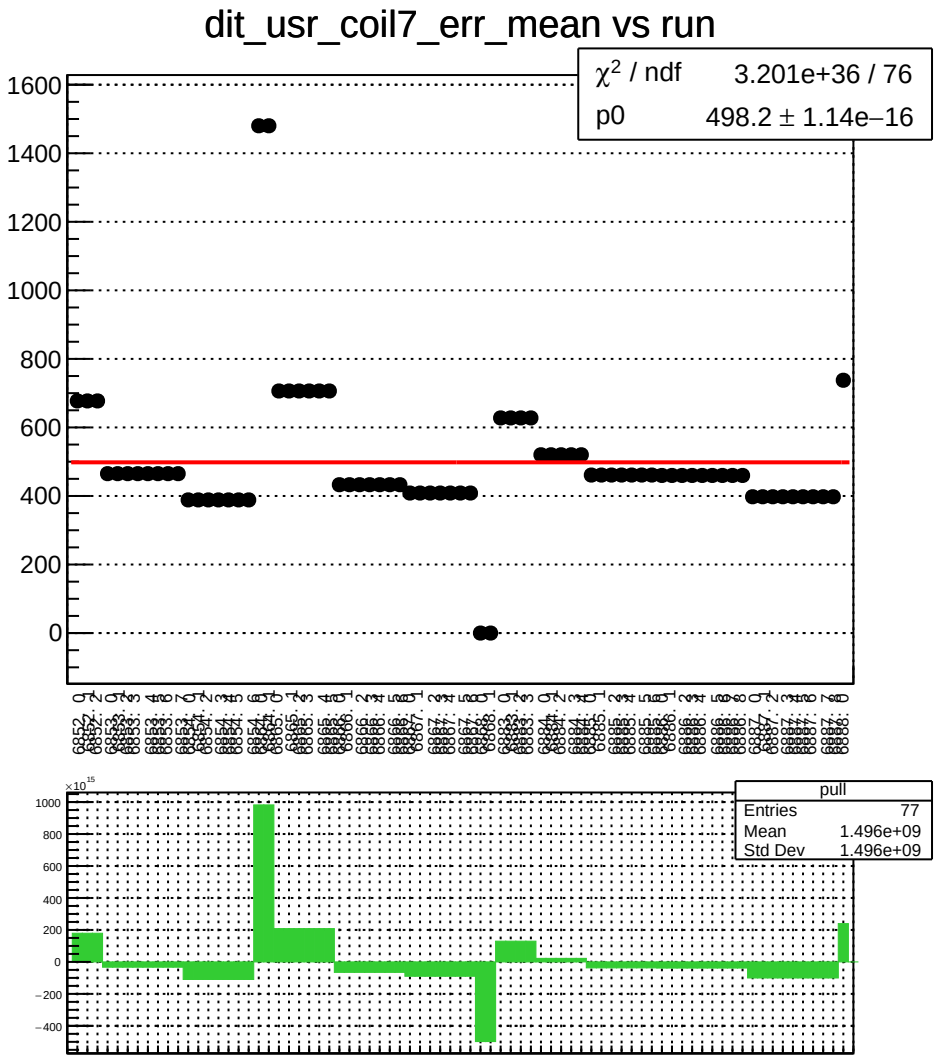

dit_usl_coil7_err_mean vs run
χ² / ndf 4.028e+36 / 76
p0 583 ± 1.14e−16
pull
Entries 77
Mean −1.478e+09
Std Dev 1.478e+09

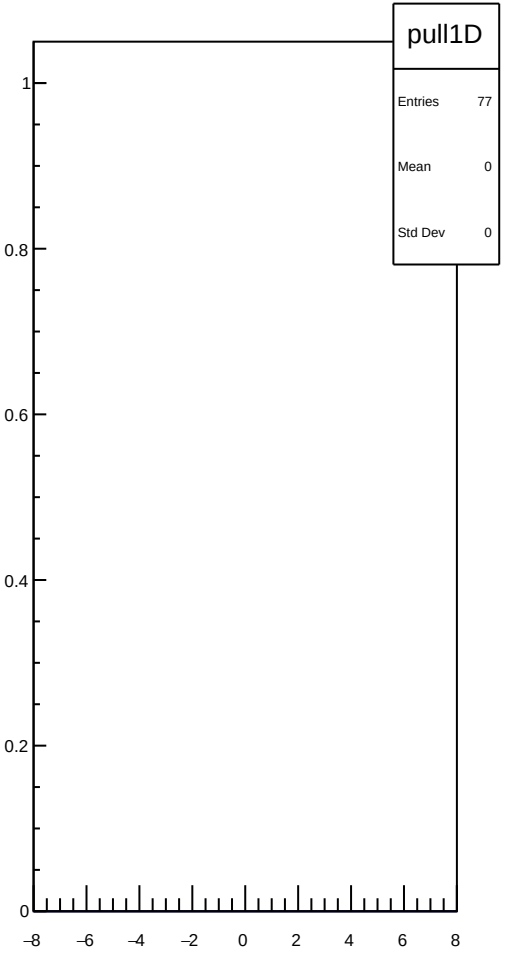

pull1D
Entries 77
Mean 0
Std Dev 0

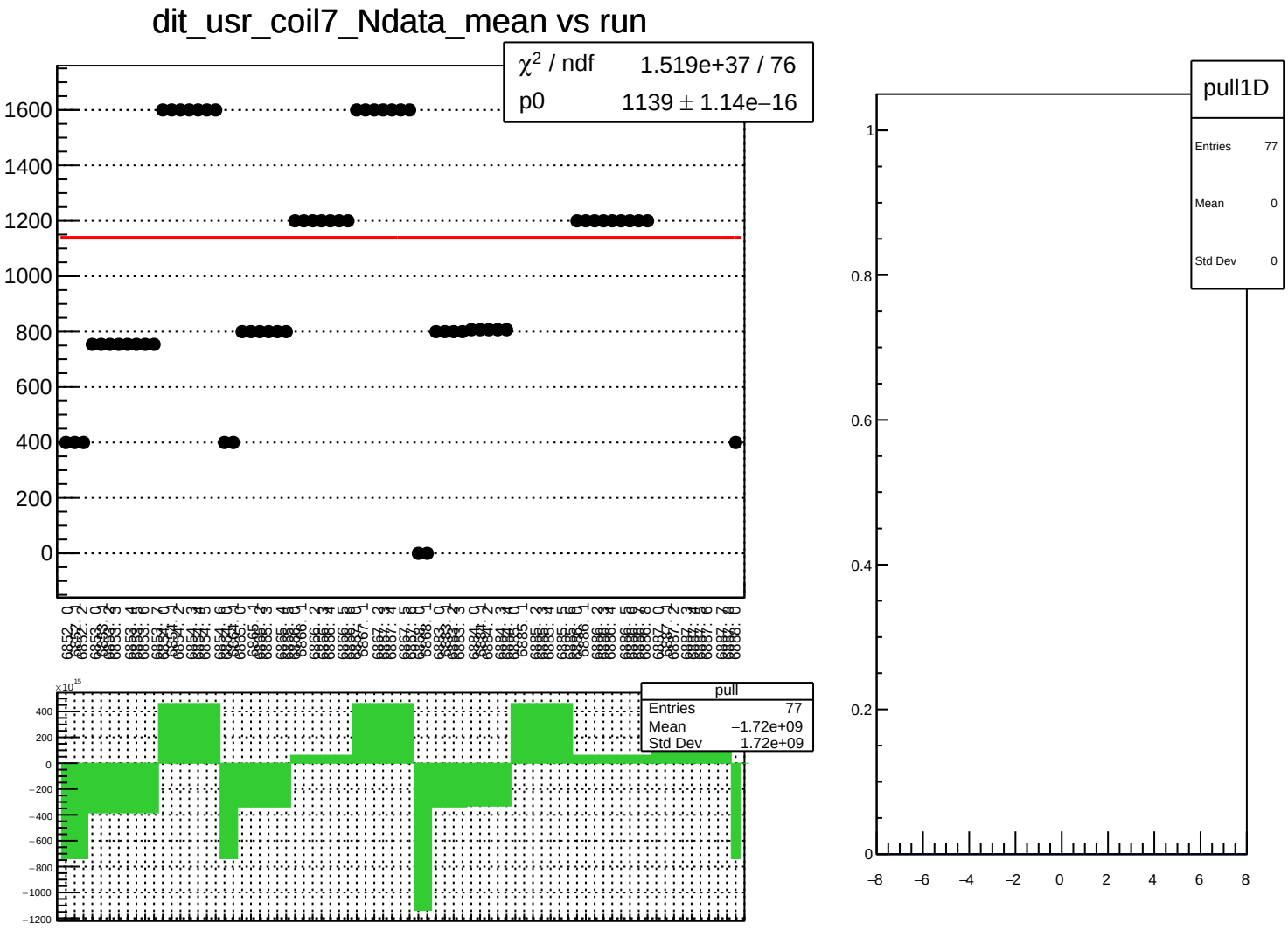

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 1.519e+37 / 76
p0 1139 ± 1.14e−16
pull
Entries 77
Mean −1.72e+09
Std Dev 1.72e+09

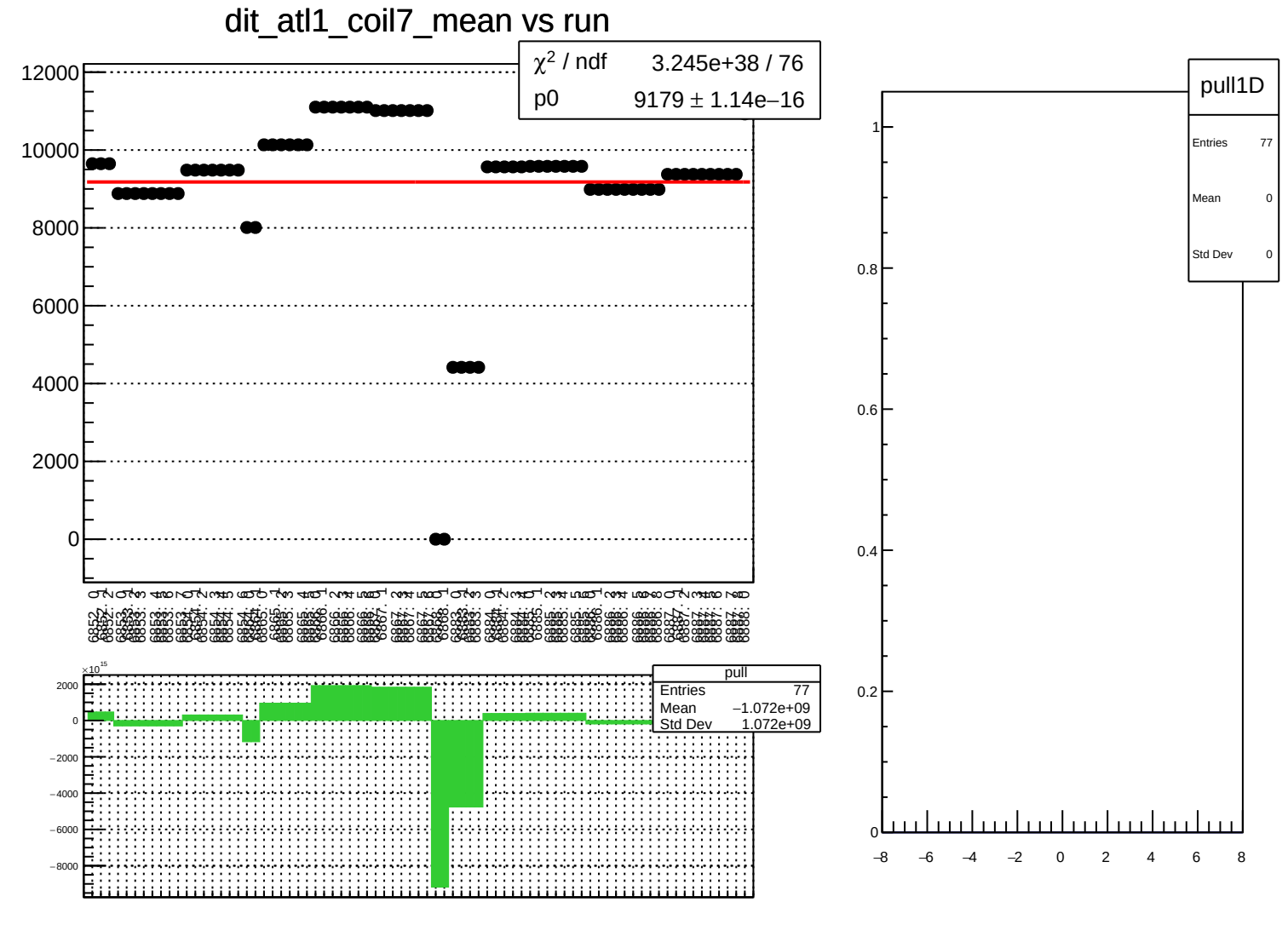

pull1D
Entries 77
Mean 0
Std Dev 0

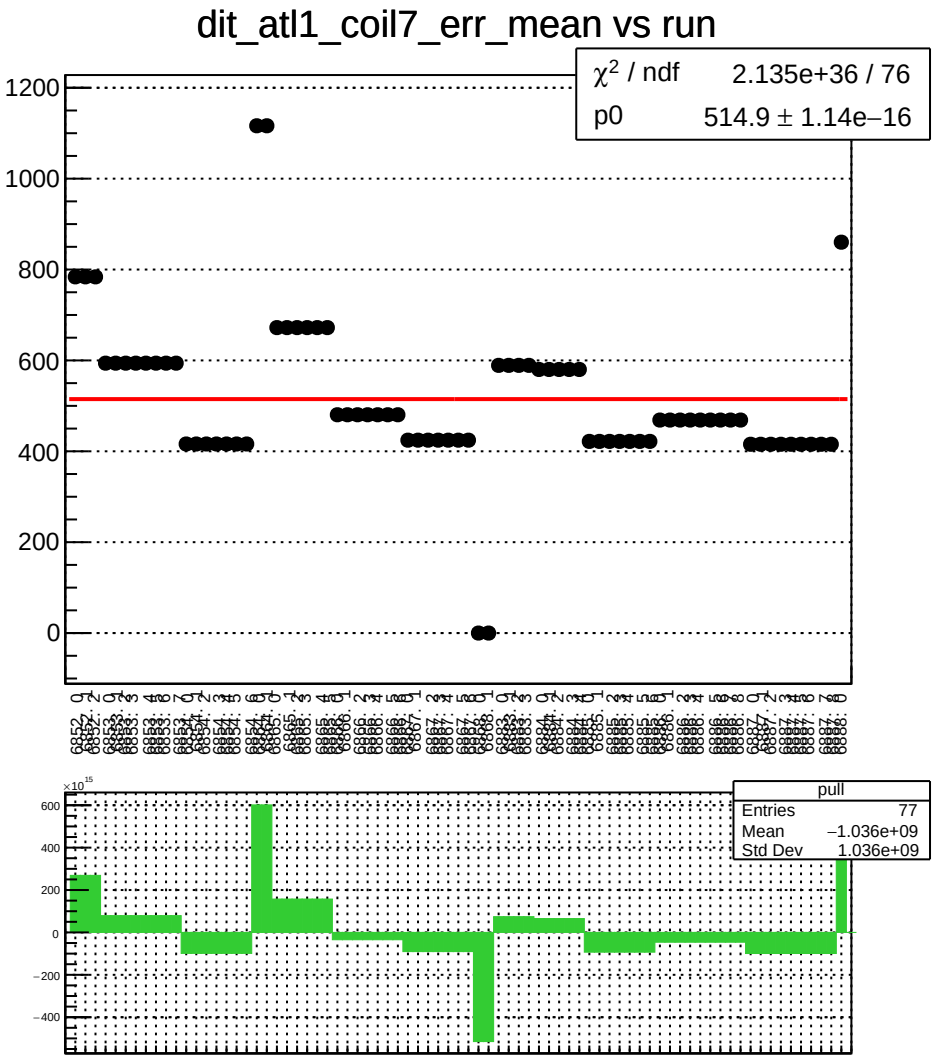

dit_usr_coil7_mean vs run
χ² / ndf inf / 76
p0 1.802e+04 ± 1.14e−16
20000
15000
10000
5000
0
pull
Entries 77
Mean 0
Std Dev 0
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

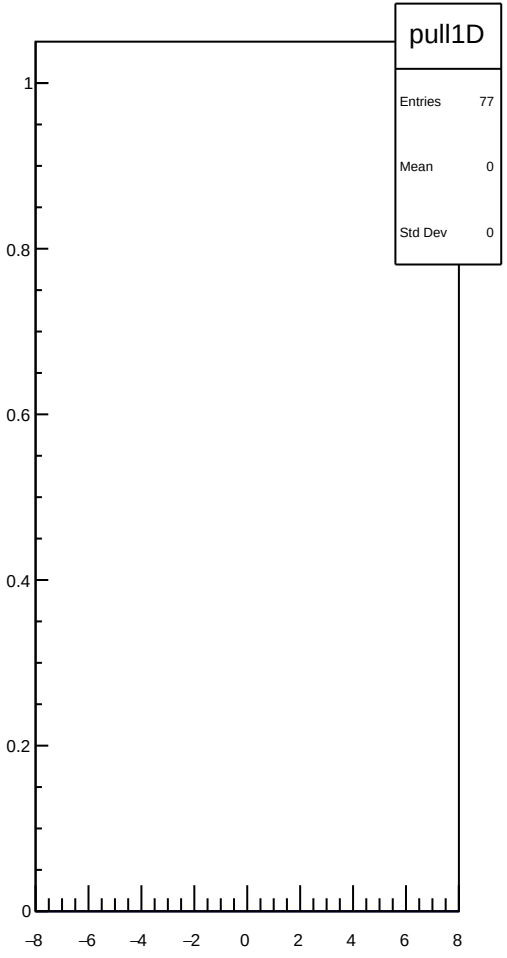

dit_usr_coil7_err_mean vs run
χ² / ndf 3.201e+36 / 76
p0 498.2 ± 1.14e−16
pull
Entries 77
Mean 1.496e+09
Std Dev 1.496e+09


pull1D
Entries 77
Mean 0
Std Dev 0

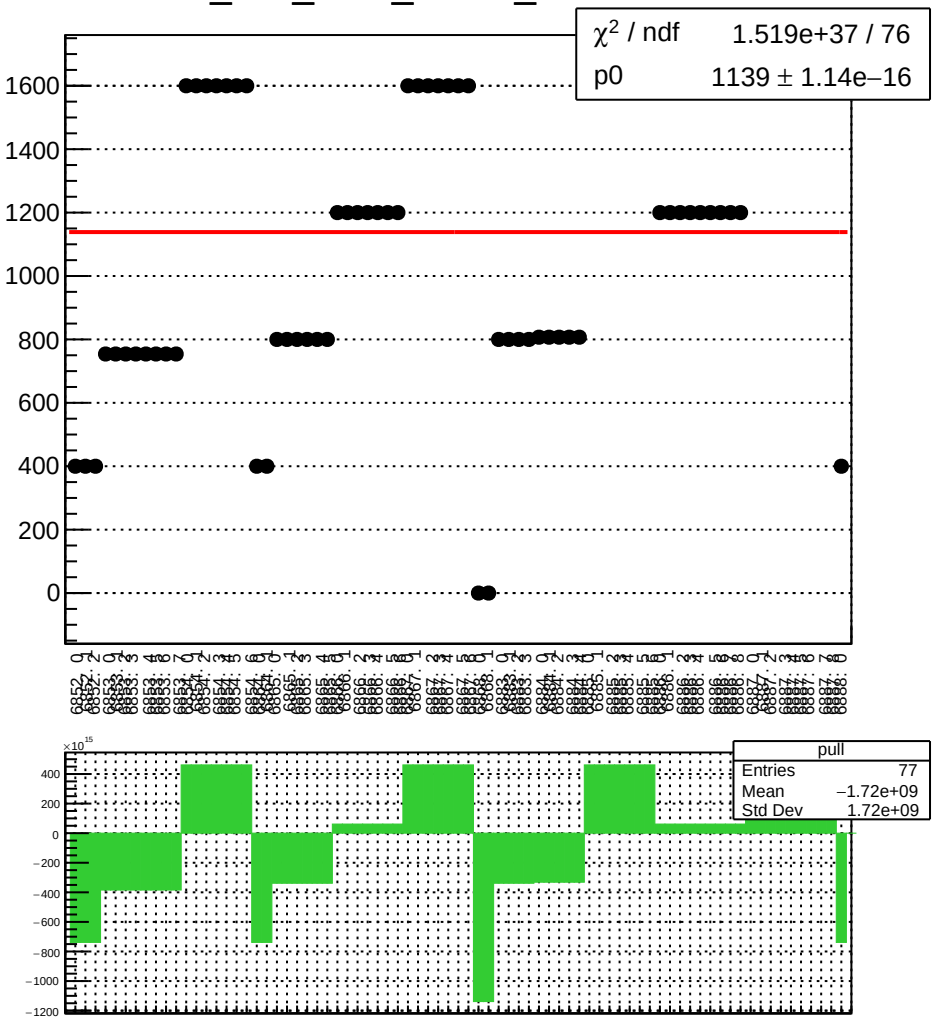

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 1.519e+37 / 76
p0 1139 ± 1.14e−16
pull
Entries 77
Mean −1.72e+09
Std Dev 1.72e+09
pull1D
Entries 77
Mean 0
Std Dev 0

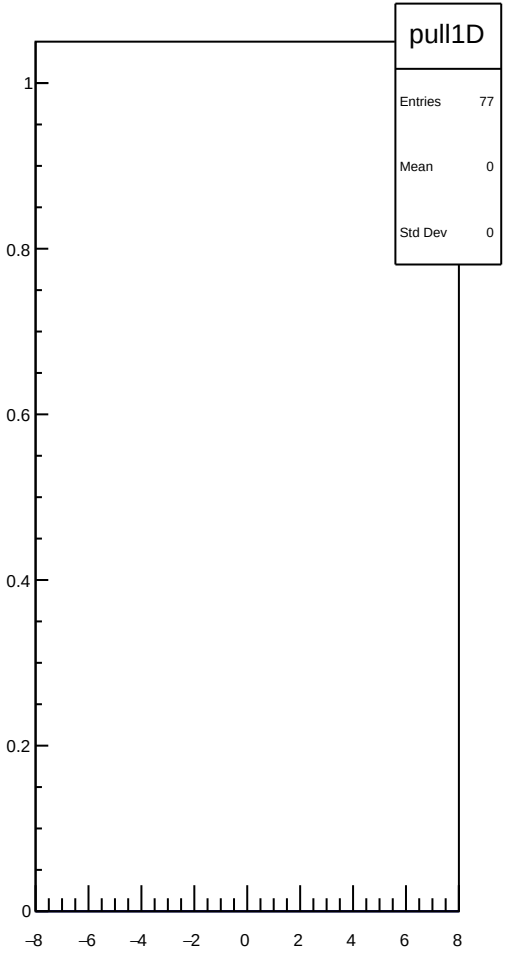

dit_atl1_coil7_mean vs run
χ² / ndf 3.245e+38 / 76
p0 9179 ± 1.14e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 77
Mean −1.072e+09
Std Dev 1.072e+09
×10¹⁵
2000
0
−2000
−4000
−6000
−8000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

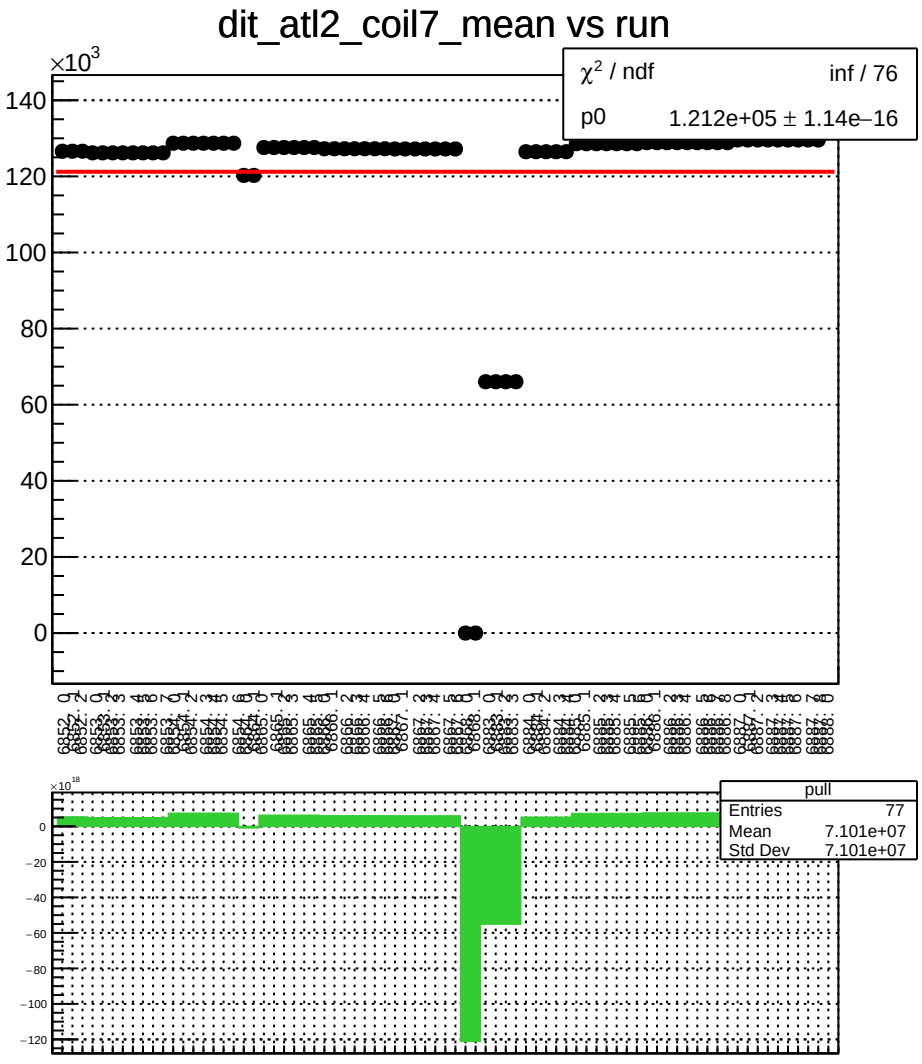

dit_atl1_coil7_err_mean vs run
χ² / ndf 2.135e+36 / 76
p0 514.9 ± 1.14e−16
1200
1000
800
600
400
200
0
pull
Entries 77
Mean −1.036e+09
Std Dev 1.036e+09
×10¹⁵
600
400
200
0
−200
−400

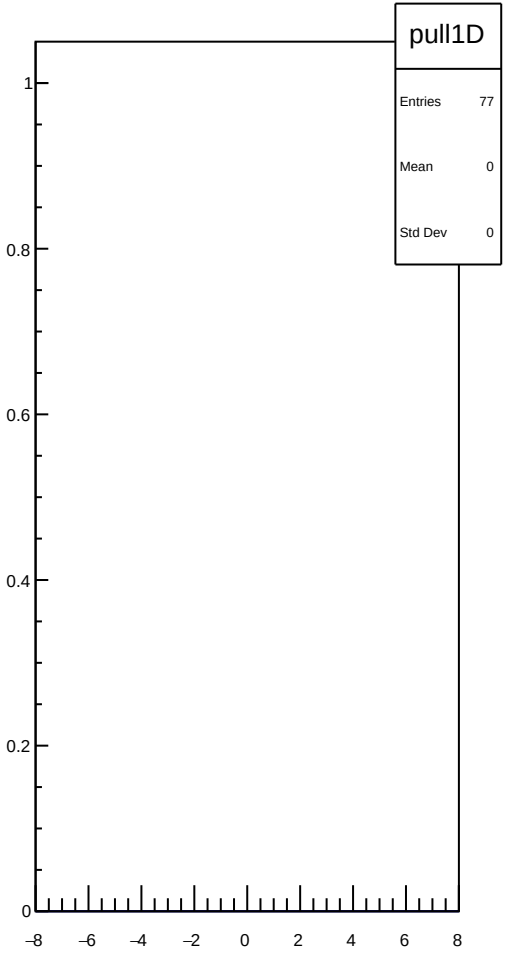

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

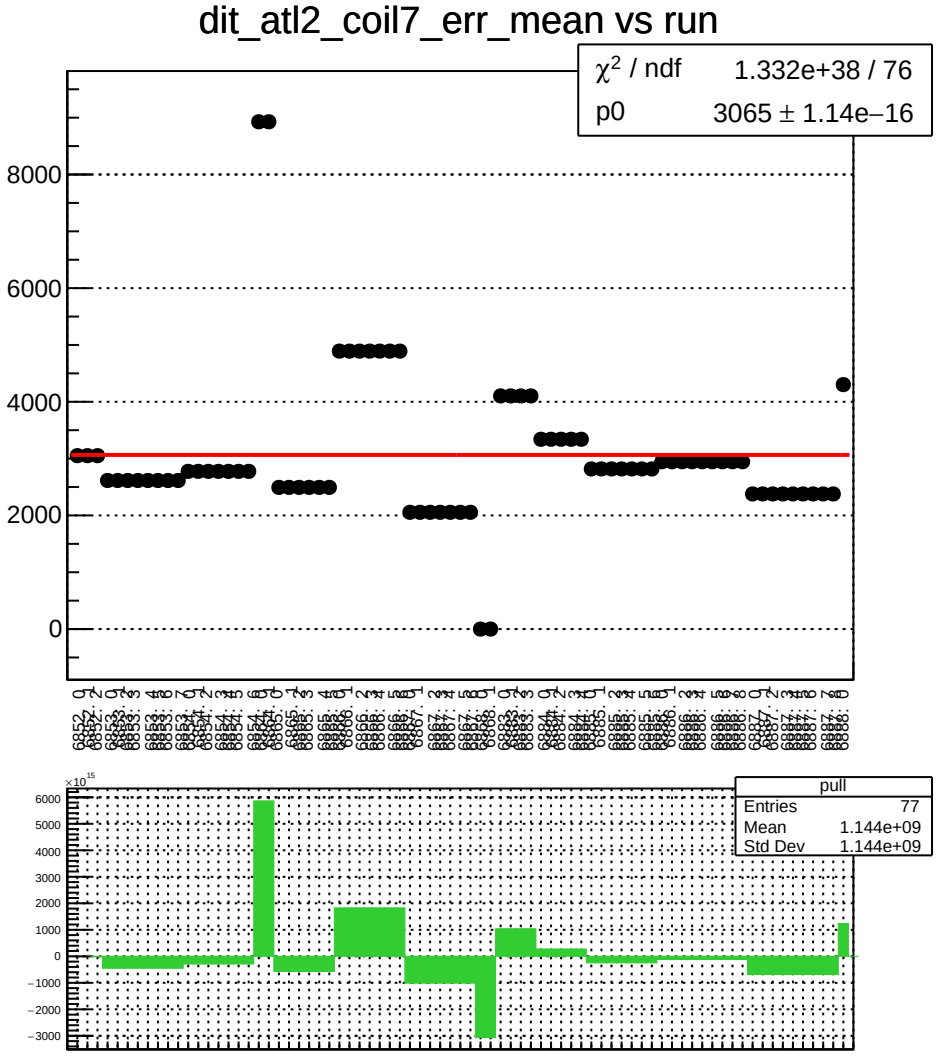
dit_atl1_coil7_Ndata_mean vs run

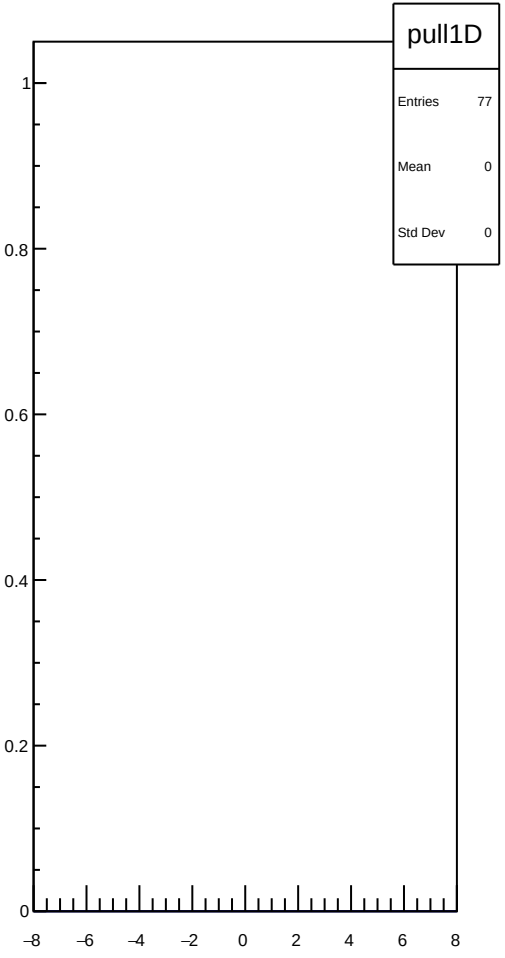




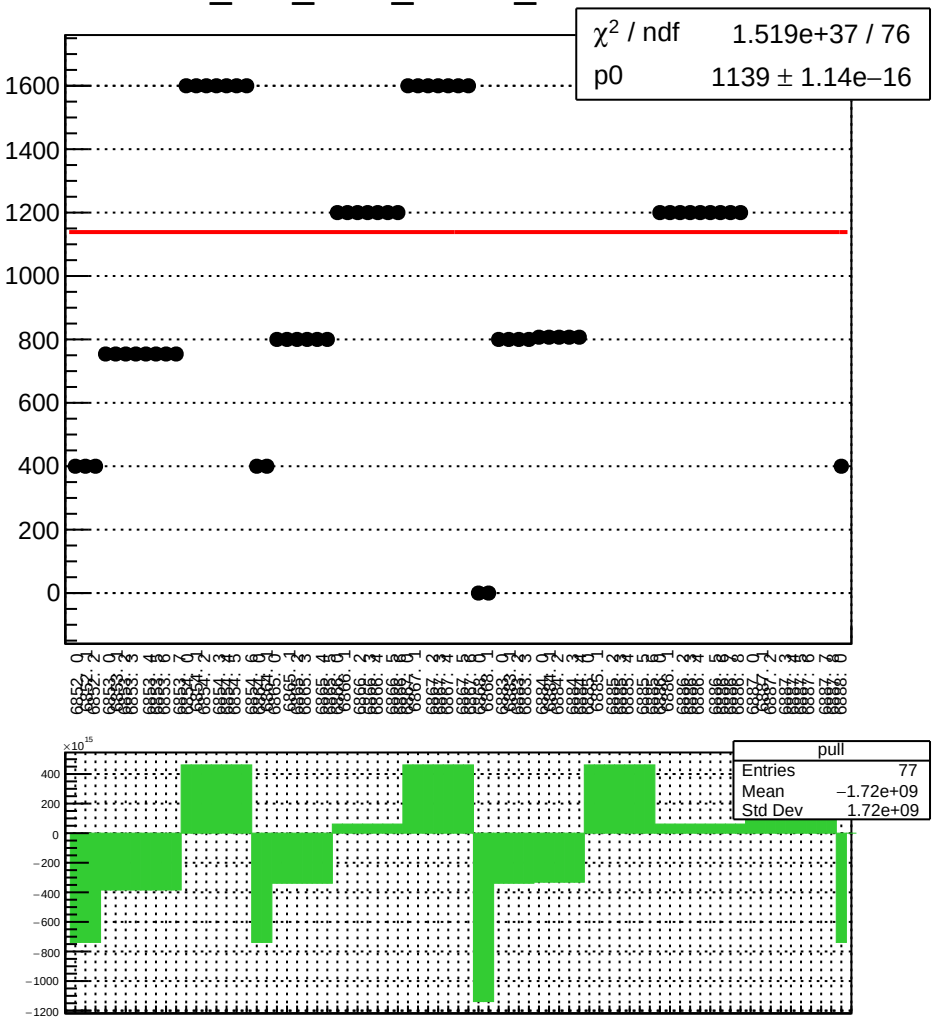

dit_atl2_coil7_mean vs run
×10^3
140
120
100
80
60
40
20
0
χ² / ndf inf / 76
p0 1.212e+05 ± 1.14e−16
×10^18
0
−20
−40
−60
−80
−100
−120
pull
Entries 77
Mean 7.101e+07
Std Dev 7.101e+07

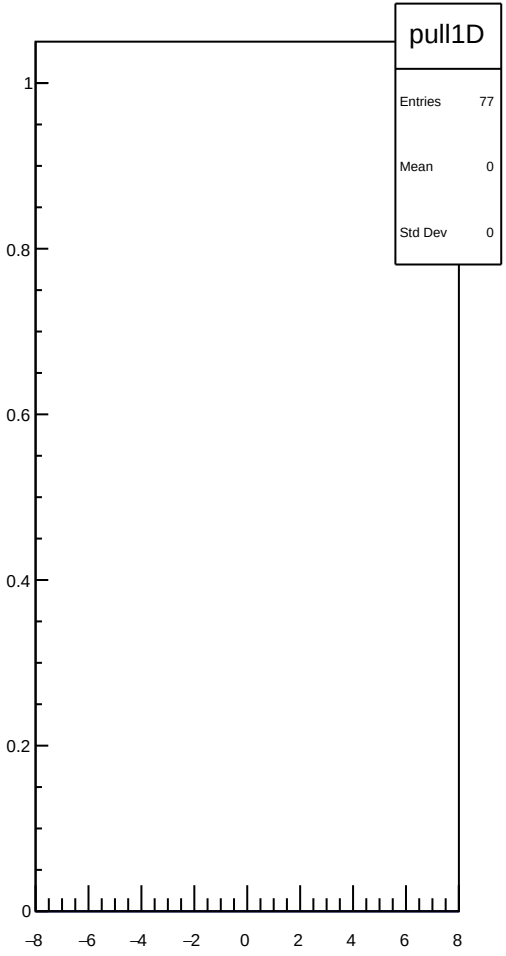

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

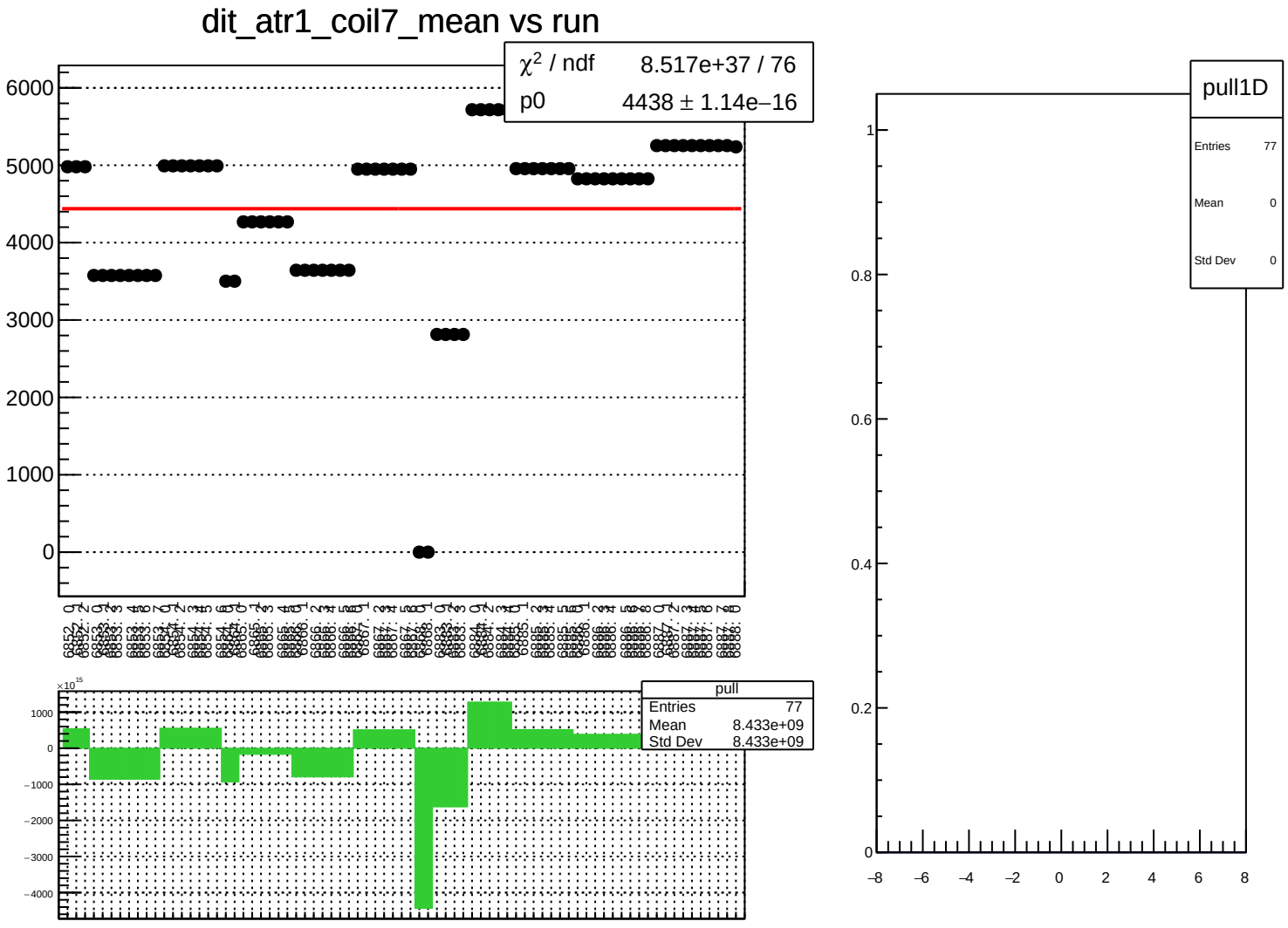

dit_atl2_coil7_err_mean vs run
χ² / ndf 1.332e+38 / 76
p0 3065 ± 1.14e−16
8000
6000
4000
2000
0
pull
Entries 77
Mean 1.144e+09
Std Dev 1.144e+09
×10¹⁵
6000
5000
4000
3000
2000
1000
0
−1000
−2000
−3000

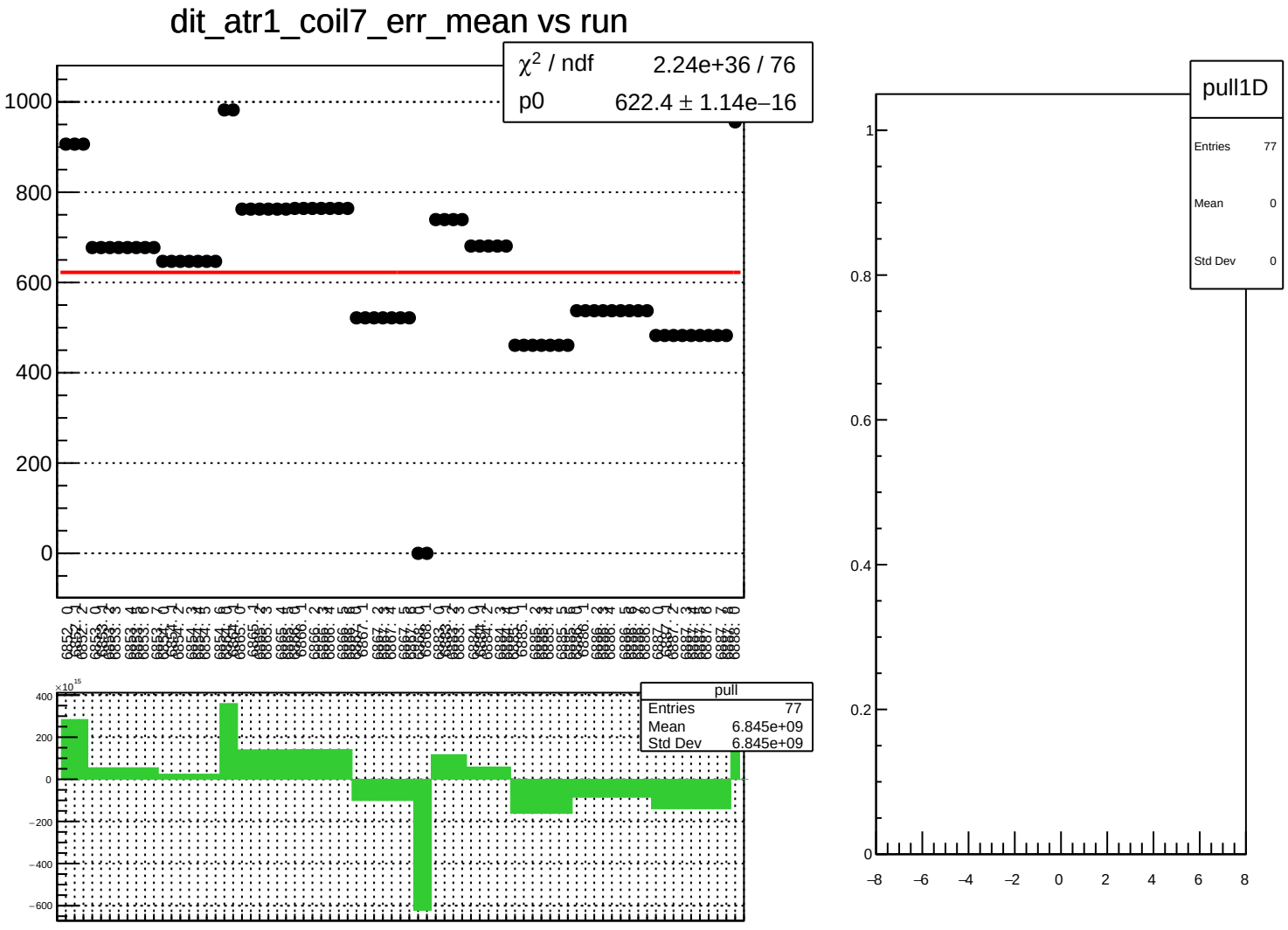

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil7_Ndata_mean vs run

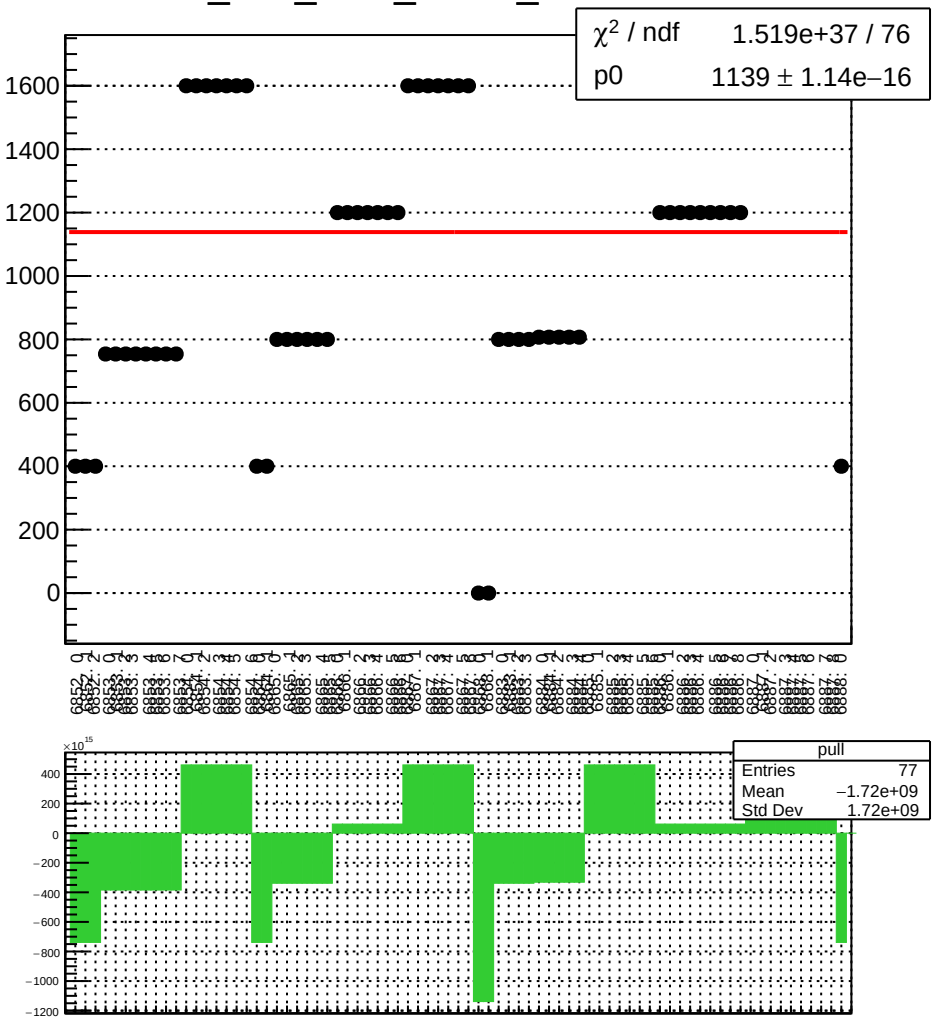


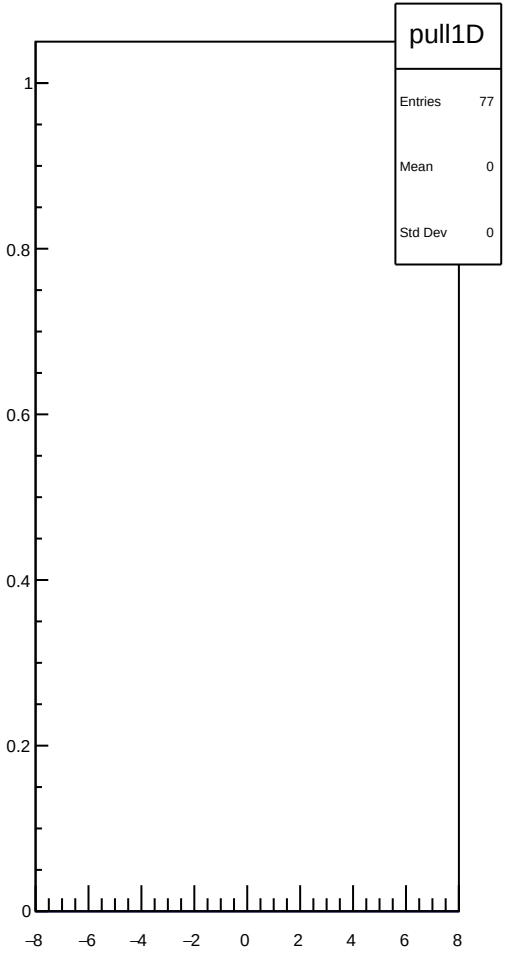


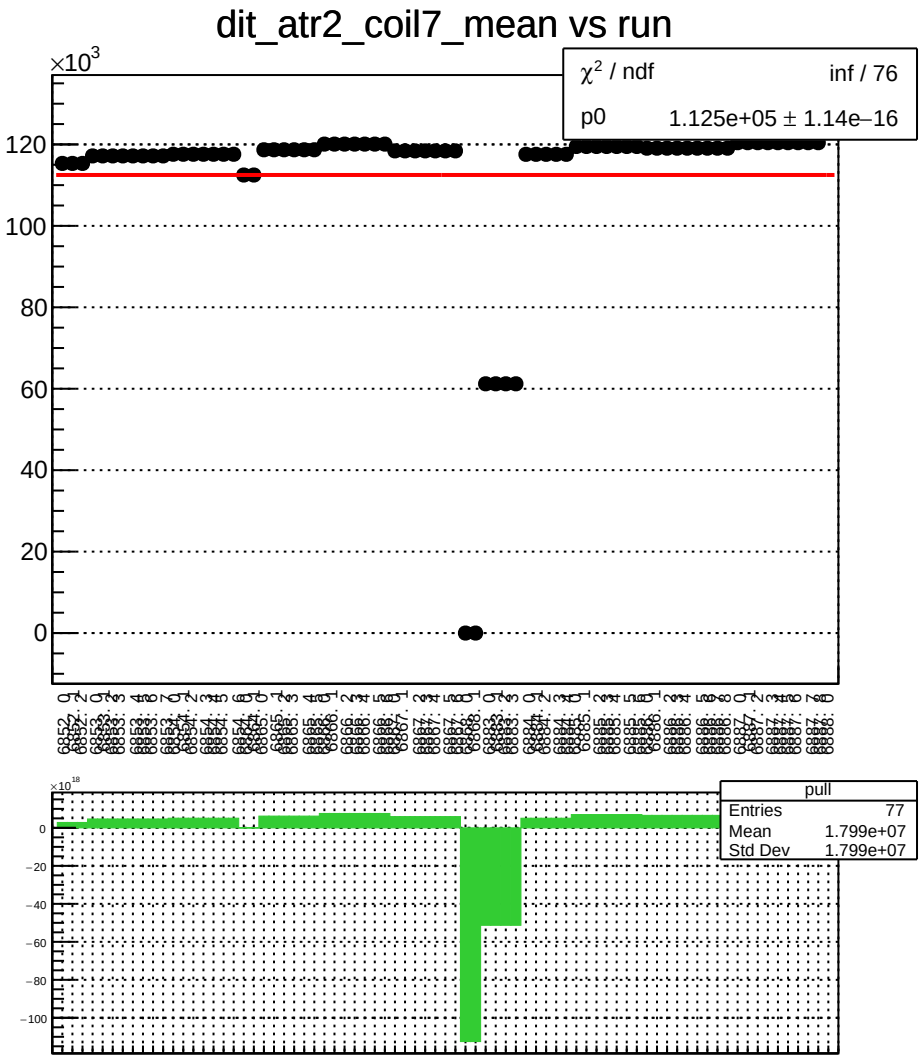

dit_atr1_coil7_mean vs run
χ² / ndf 8.517e+37 / 76
p0 4438 ± 1.14e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean 8.433e+09
Std Dev 8.433e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

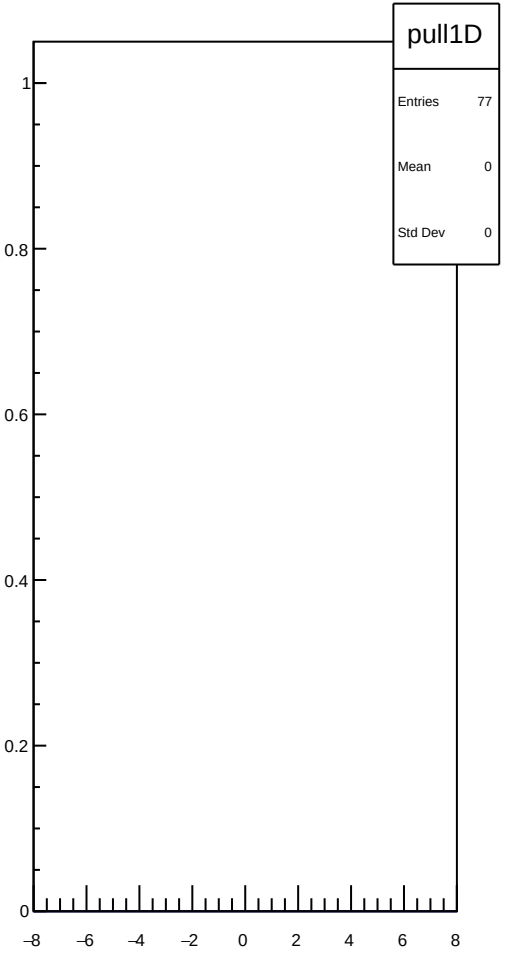

dit_atr1_coil7_err_mean vs run
χ² / ndf 2.24e+36 / 76
p0 622.4 ± 1.14e−16
1000
800
600
400
200
0
pull
Entries 77
Mean 6.845e+09
Std Dev 6.845e+09
400
200
0
−200
−400
−600
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

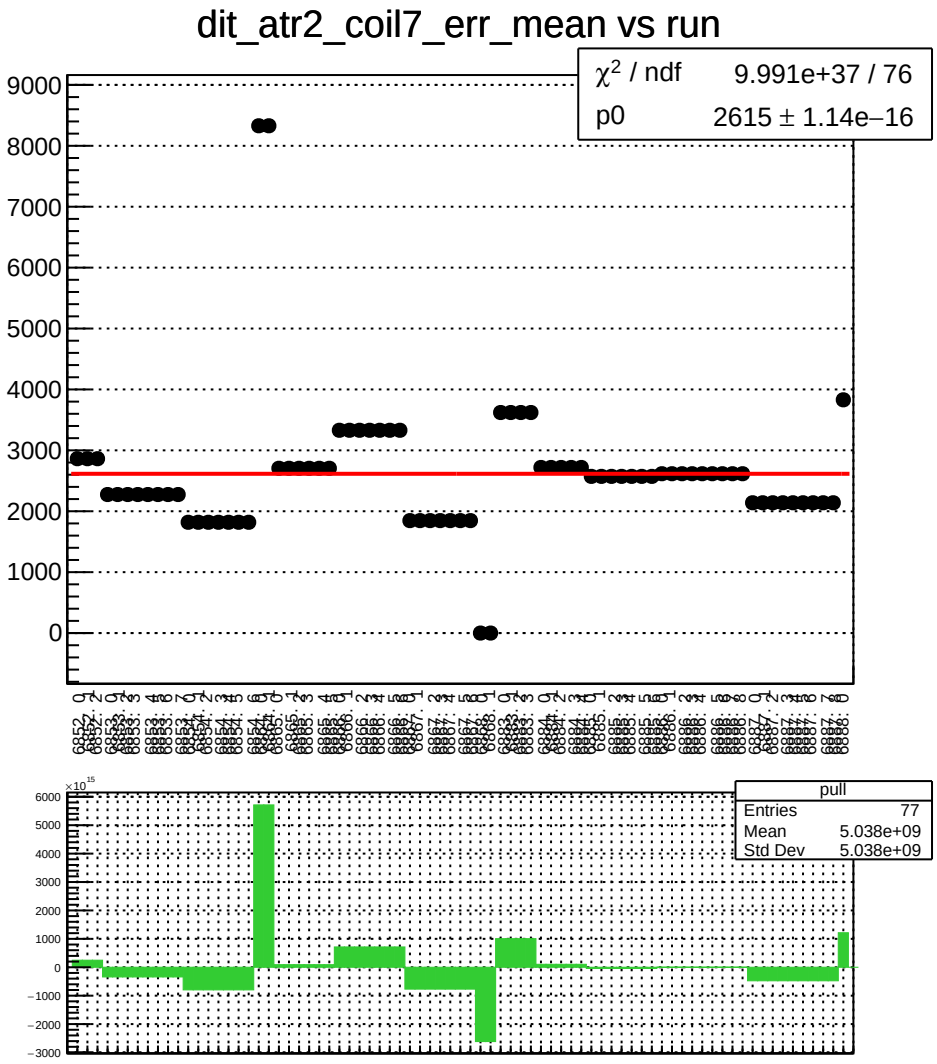
dit_atr1_coil7_Ndata_mean vs run

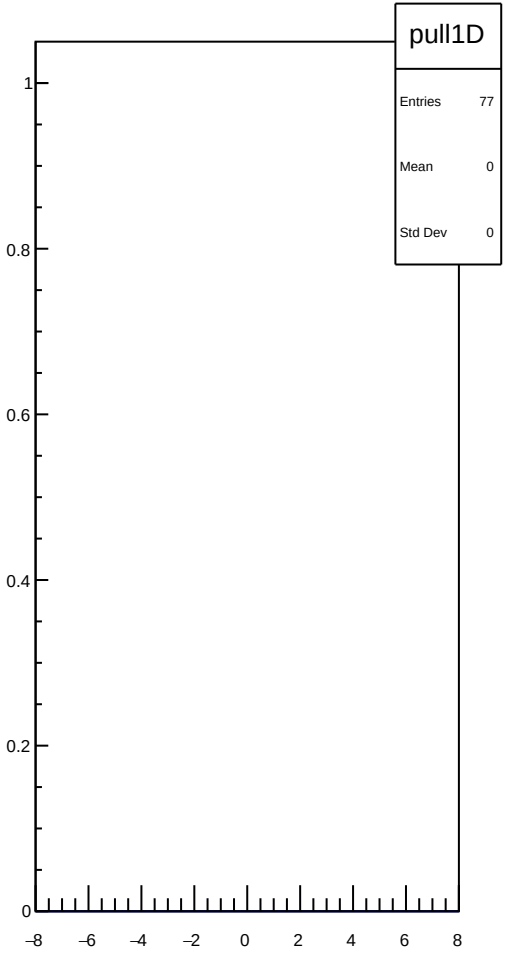




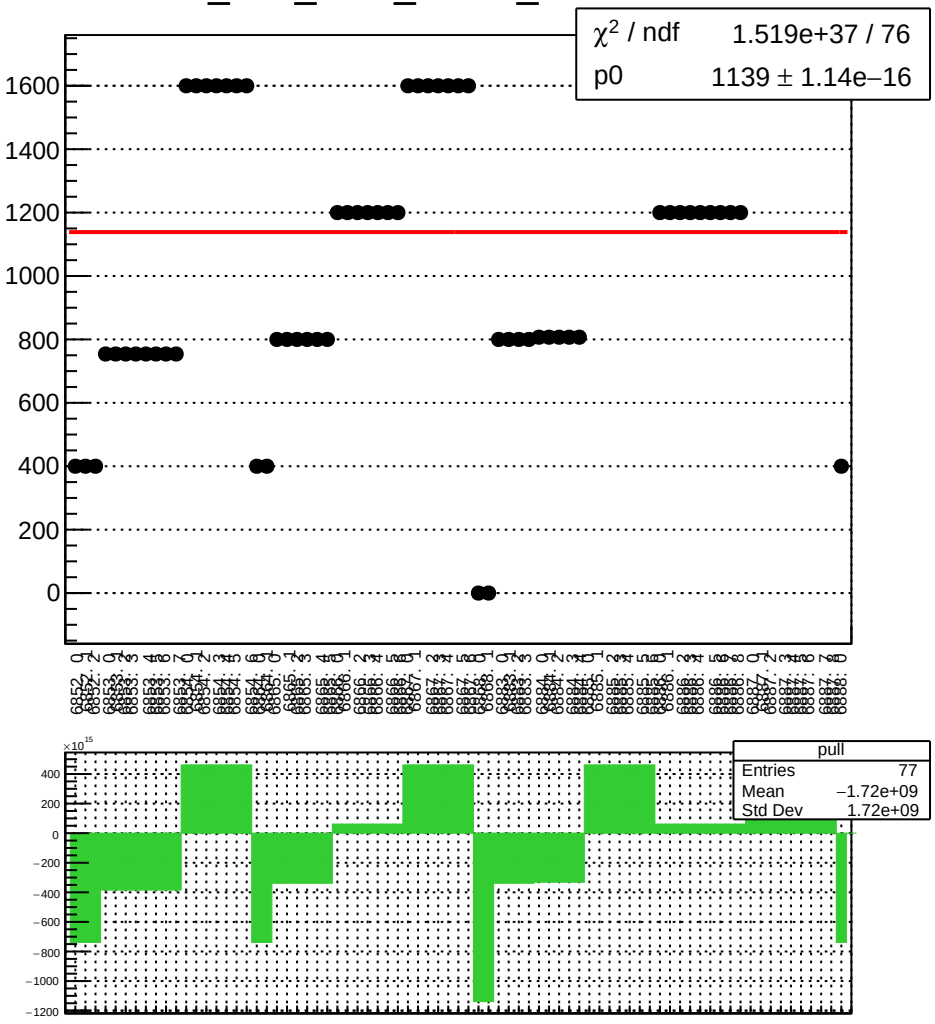

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 76
p0 1.125e+05 ± 1.14e−16
120
100
80
60
40
20
0
×10^18
pull
Entries 77
Mean 1.799e+07
Std Dev 1.799e+07
0
−20
−40
−60
−80
−100

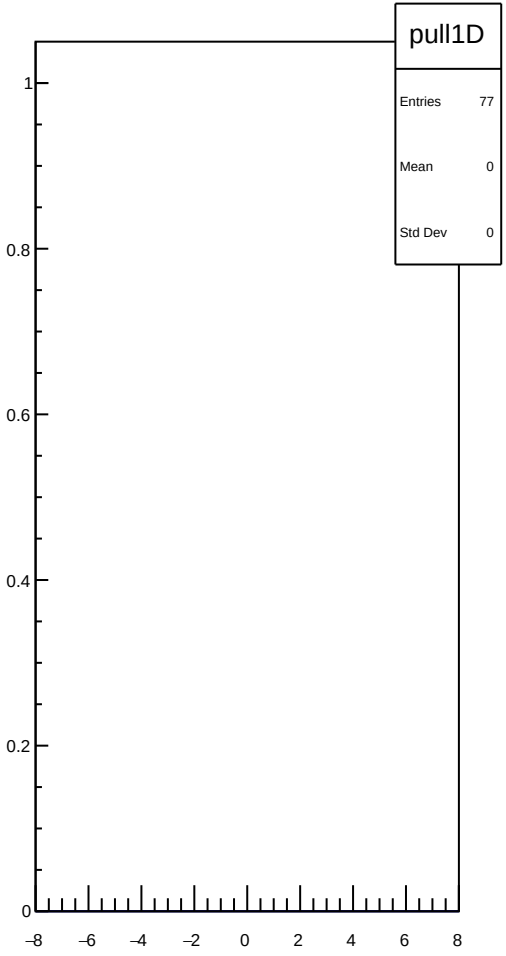

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

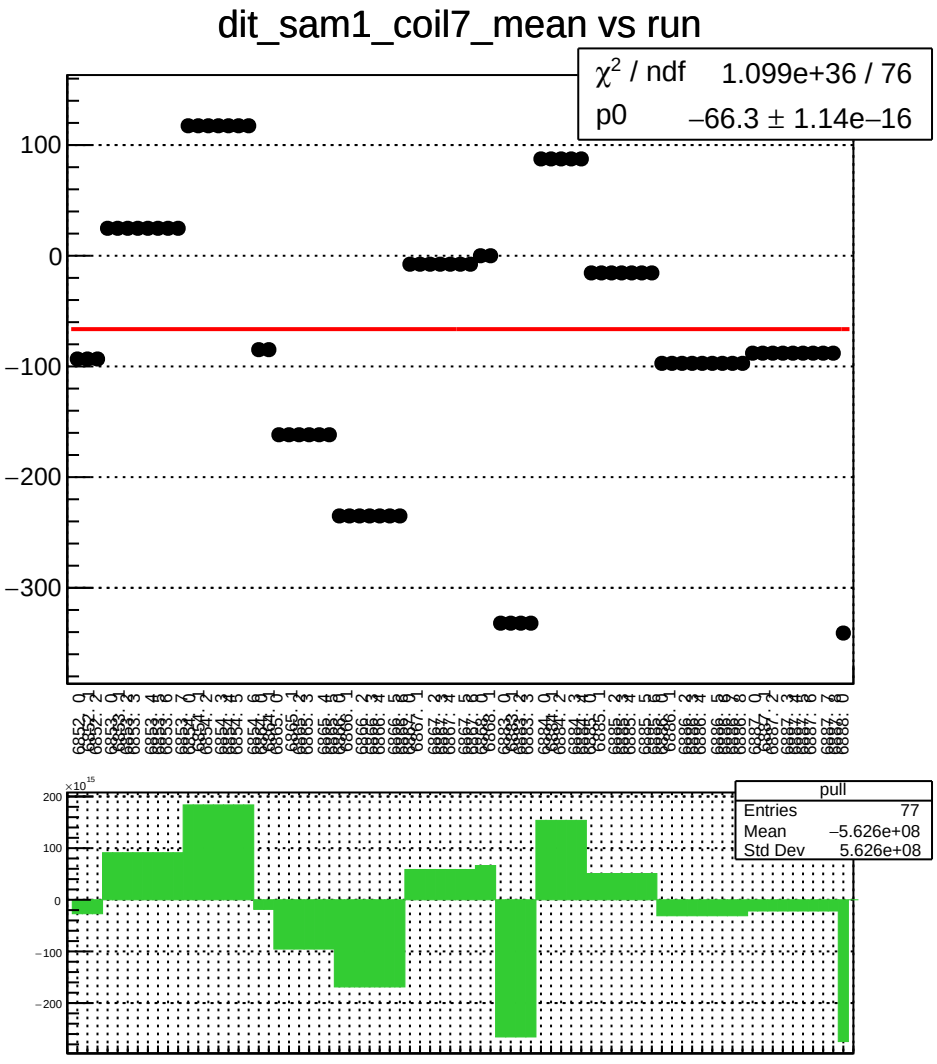

dit_atr2_coil7_err_mean vs run
χ^2 / ndf 9.991e+37 / 76
p0 2615 ± 1.14e−16
pull
Entries 77
Mean 5.038e+09
Std Dev 5.038e+09

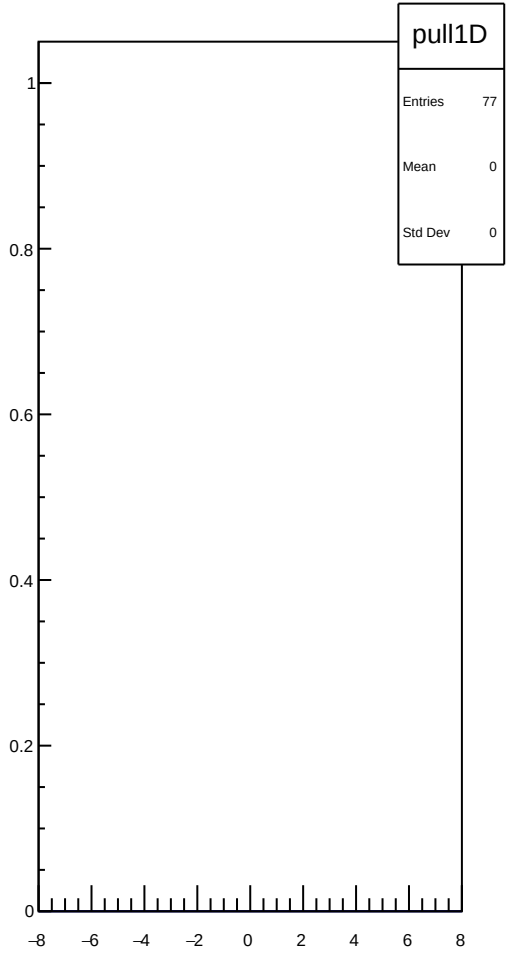

pull1D
Entries 77
Mean 0
Std Dev 0

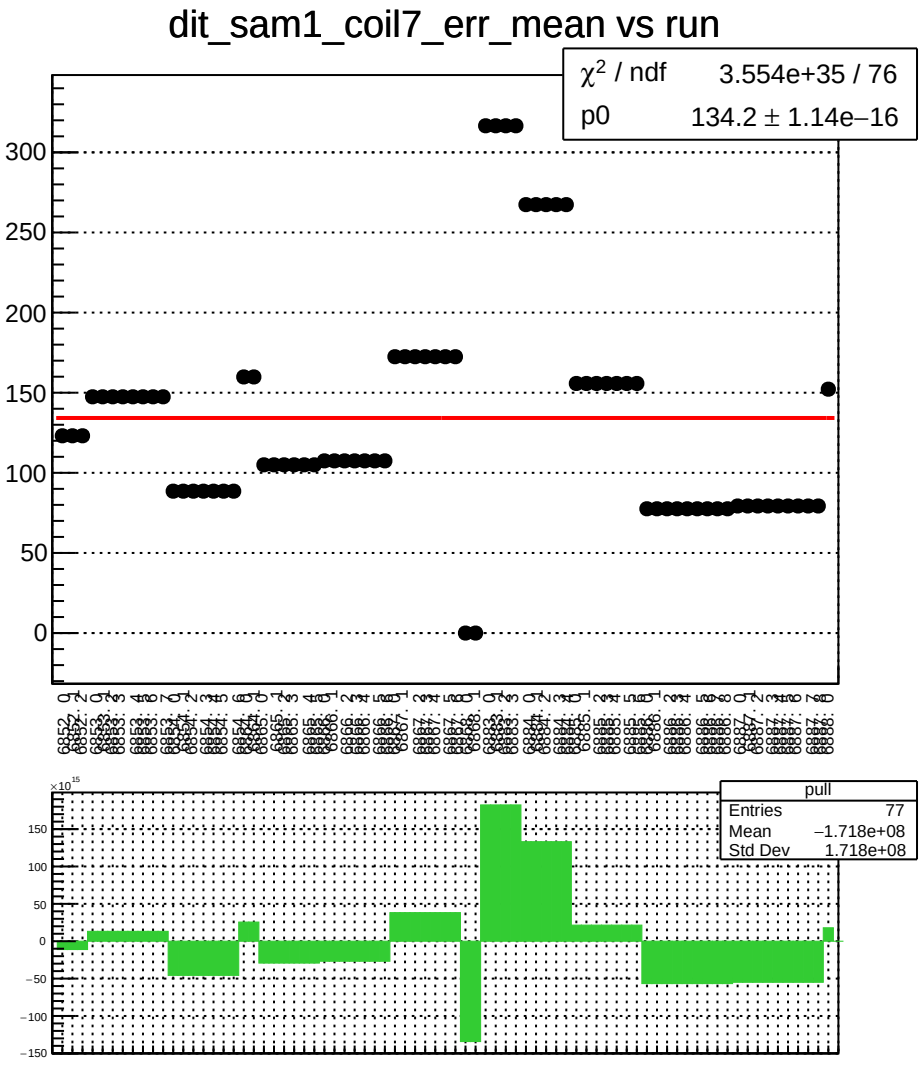
dit_atr2_coil7_Ndata_mean vs run

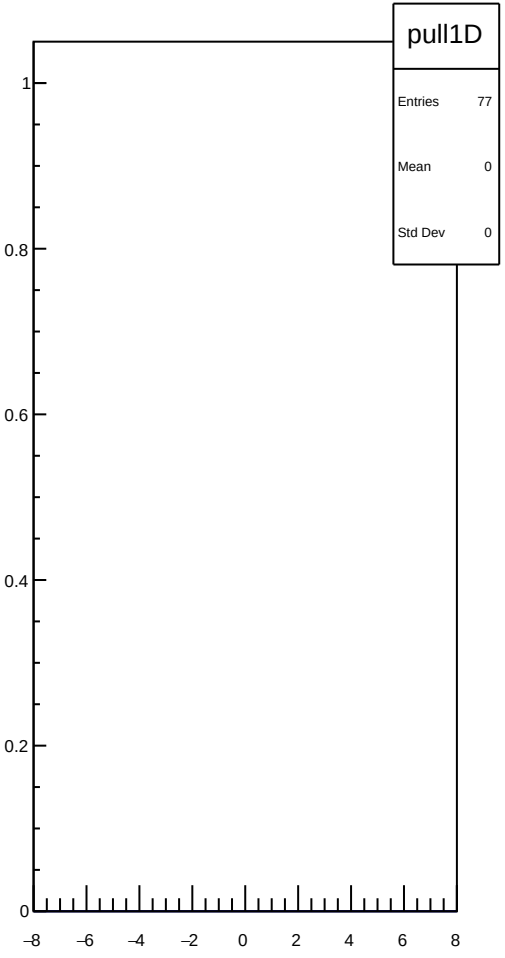




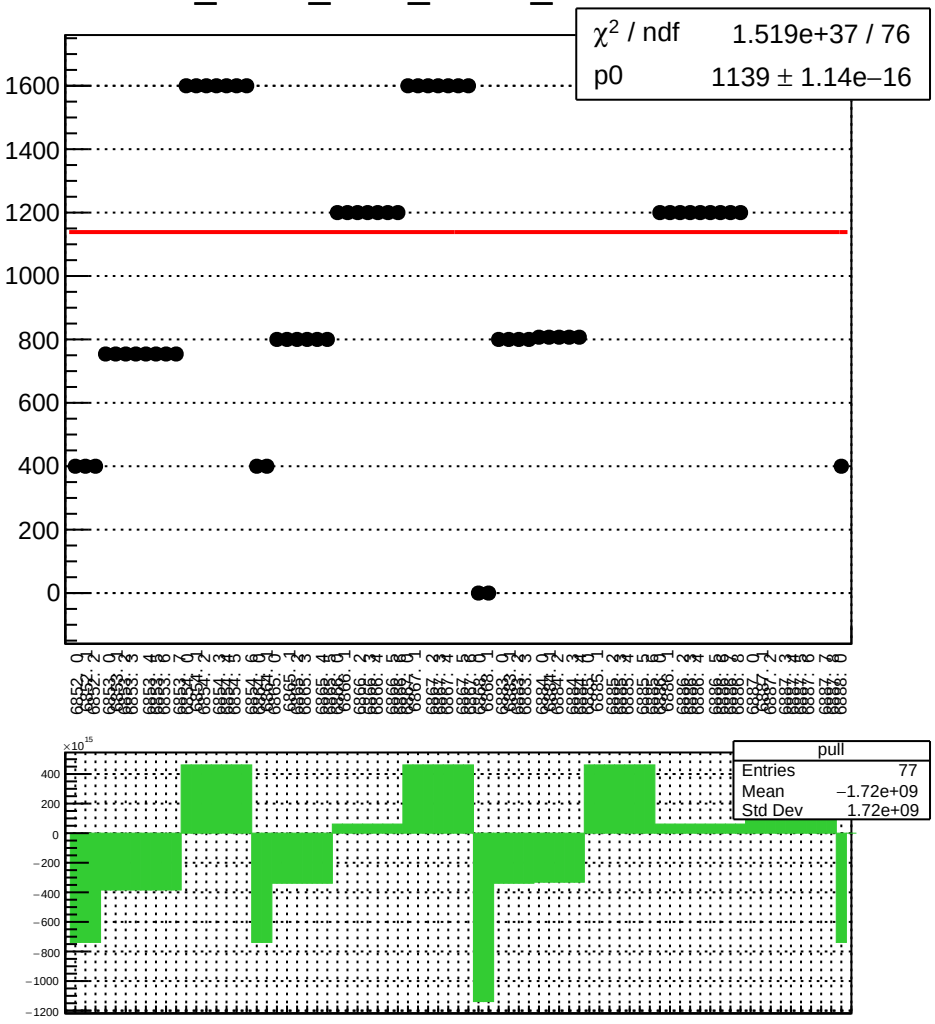

dit_sam1_coil7_mean vs run
χ² / ndf 1.099e+36 / 76
p0 −66.3 ± 1.14e−16
100
0
−100
−200
−300
pull
Entries 77
Mean −5.626e+08
Std Dev 5.626e+08
×10¹⁵
200
100
0
−100
−200

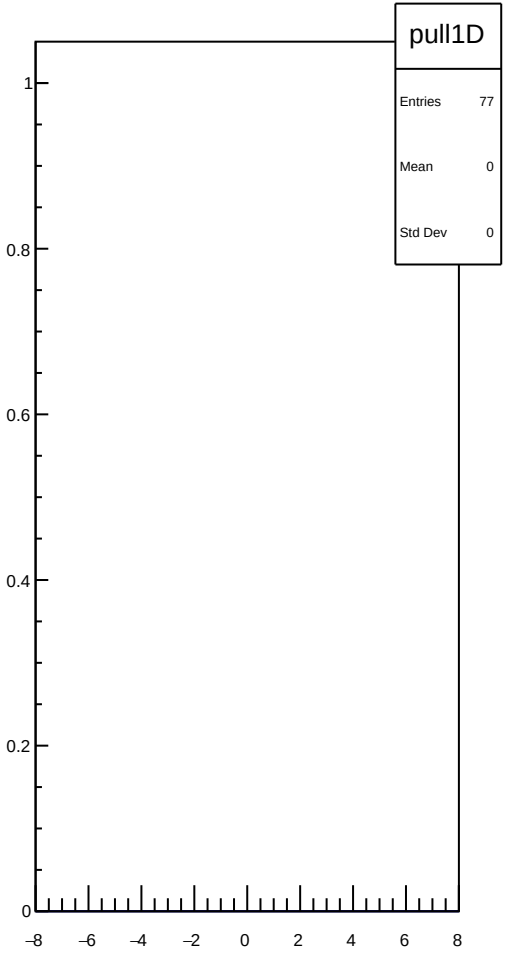

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

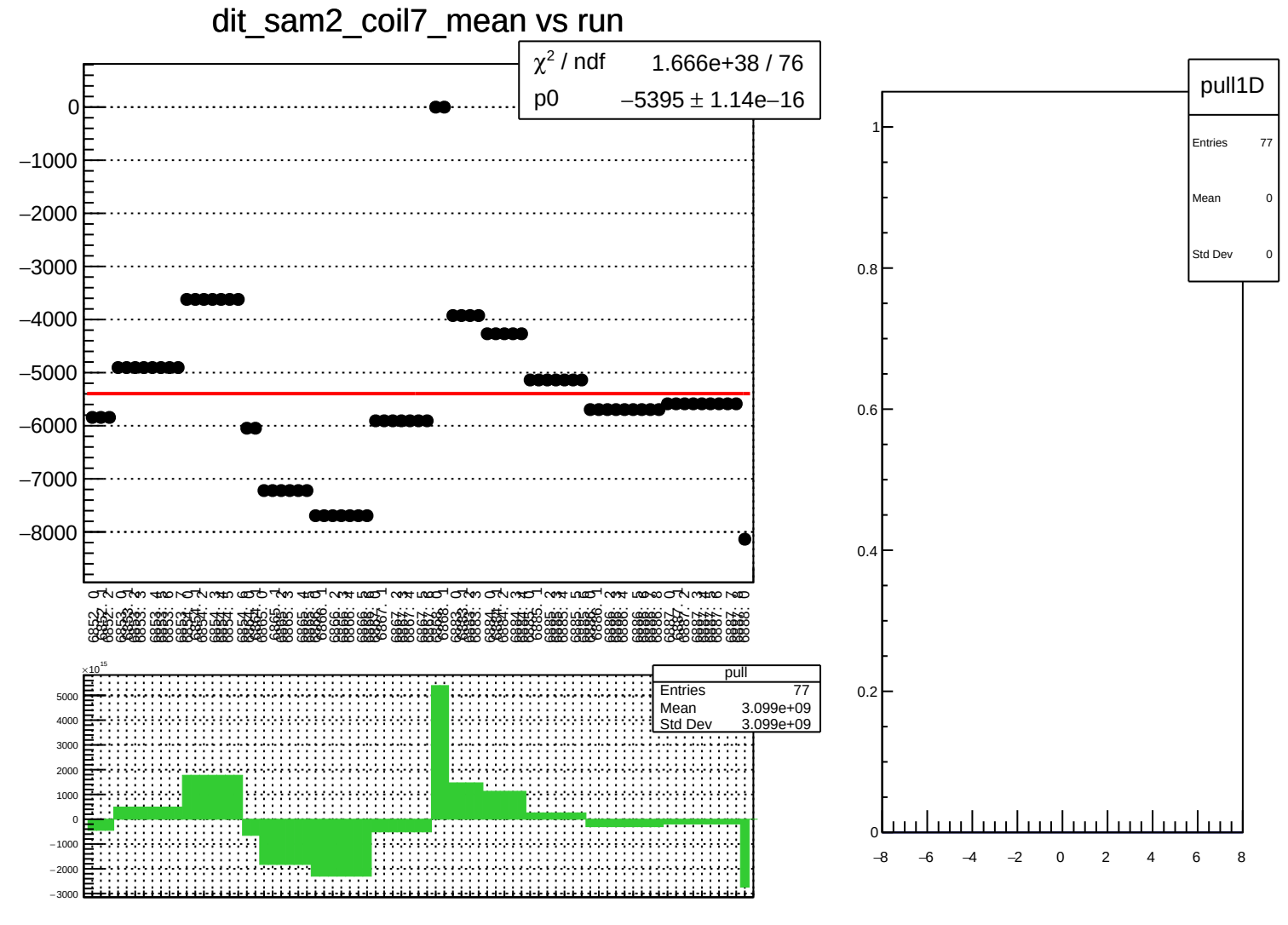

dit_sam1_coil7_err_mean vs run
χ² / ndf 3.554e+35 / 76
p0 134.2 ± 1.14e−16
pull
Entries 77
Mean −1.718e+08
Std Dev 1.718e+08

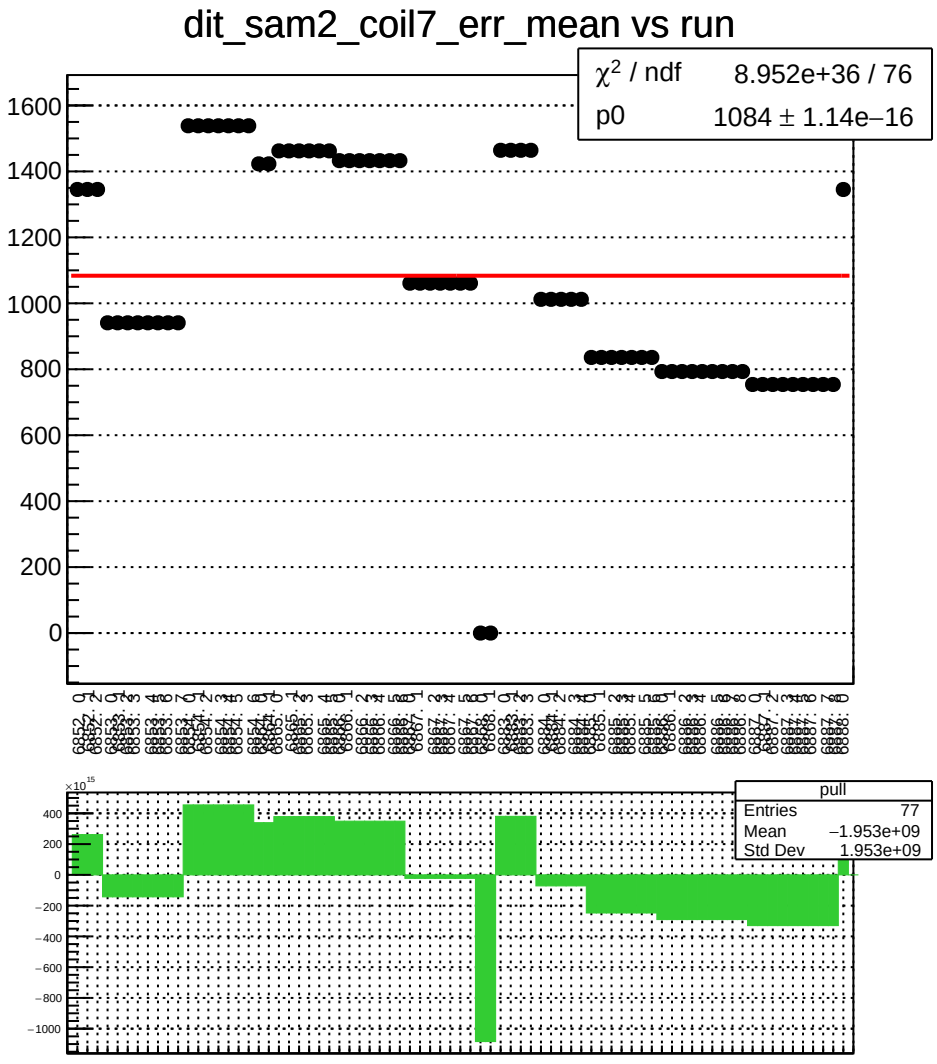

pull1D
Entries 77
Mean 0
Std Dev 0

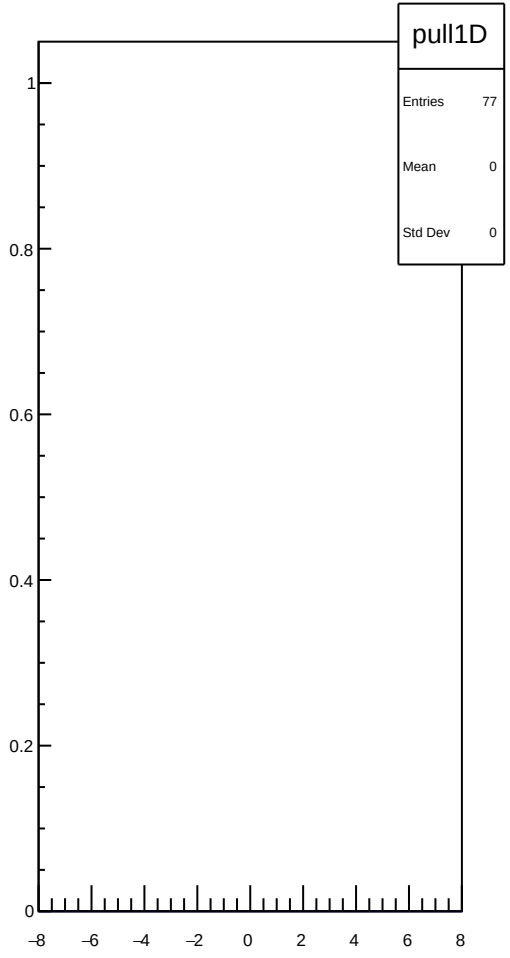
dit_sam1_coil7_Ndata_mean vs run



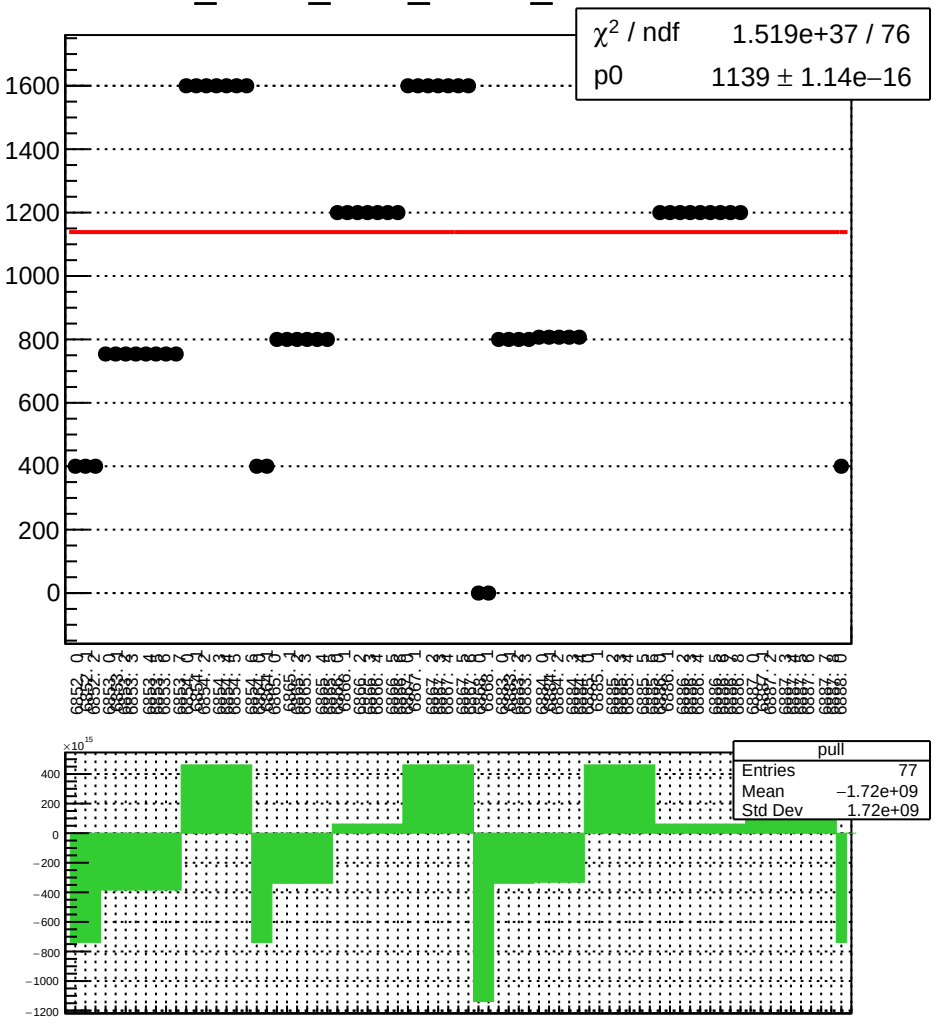


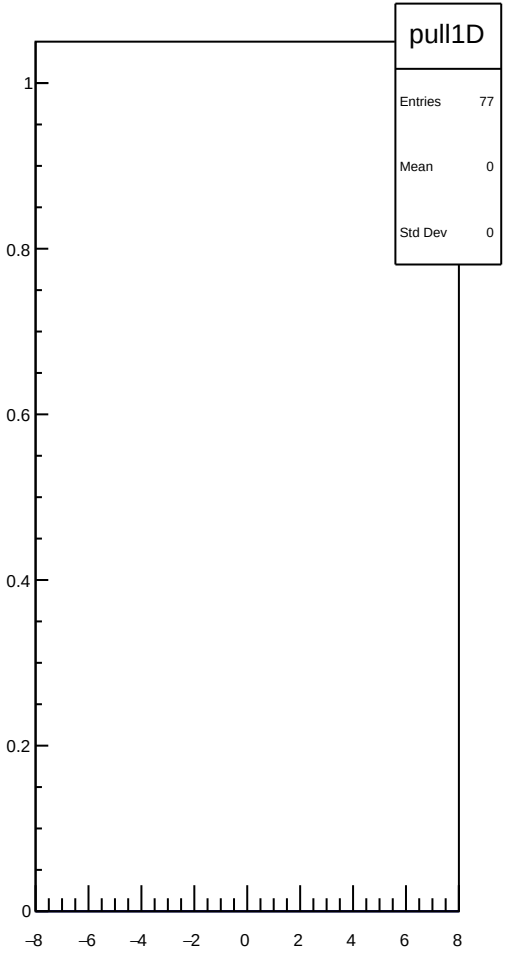

dit_sam2_coil7_mean vs run
χ² / ndf 1.666e+38 / 76
p0 −5395 ± 1.14e−16
pull
Entries 77
Mean 3.099e+09
Std Dev 3.099e+09
pull1D
Entries 77
Mean 0
Std Dev 0

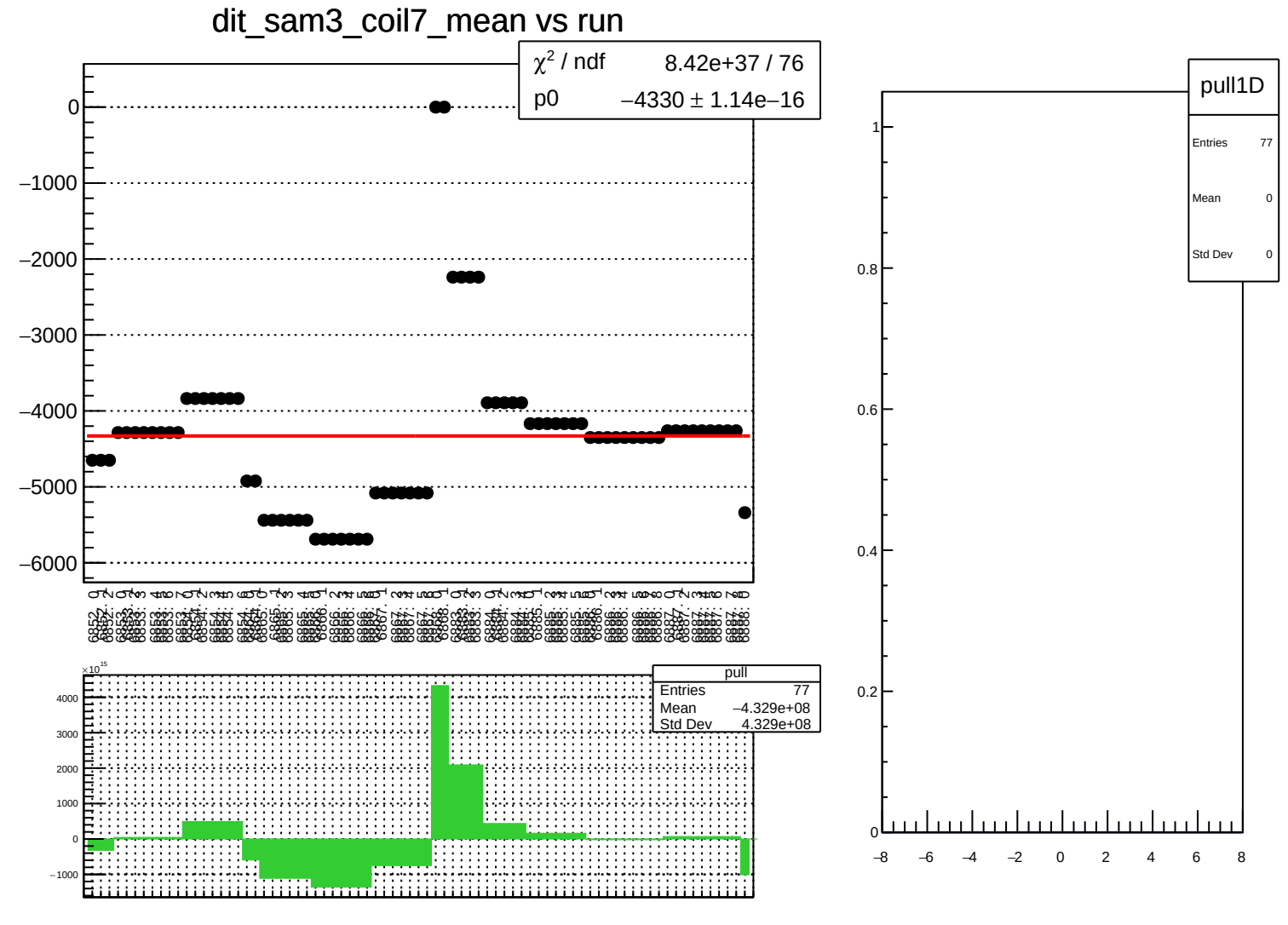

dit_sam2_coil7_err_mean vs run
χ² / ndf 8.952e+36 / 76
p0 1084 ± 1.14e−16
pull
Entries 77
Mean −1.953e+09
Std Dev 1.953e+09

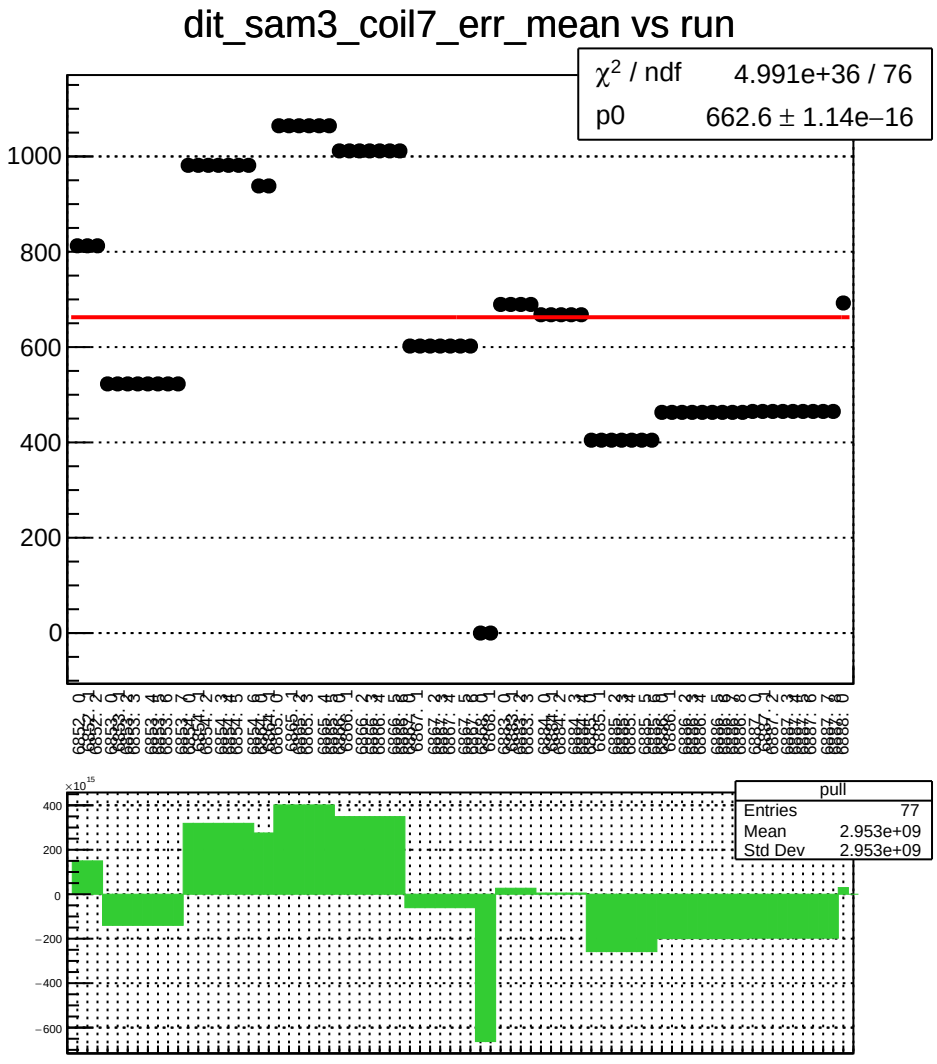

pull1D
Entries 77
Mean 0
Std Dev 0

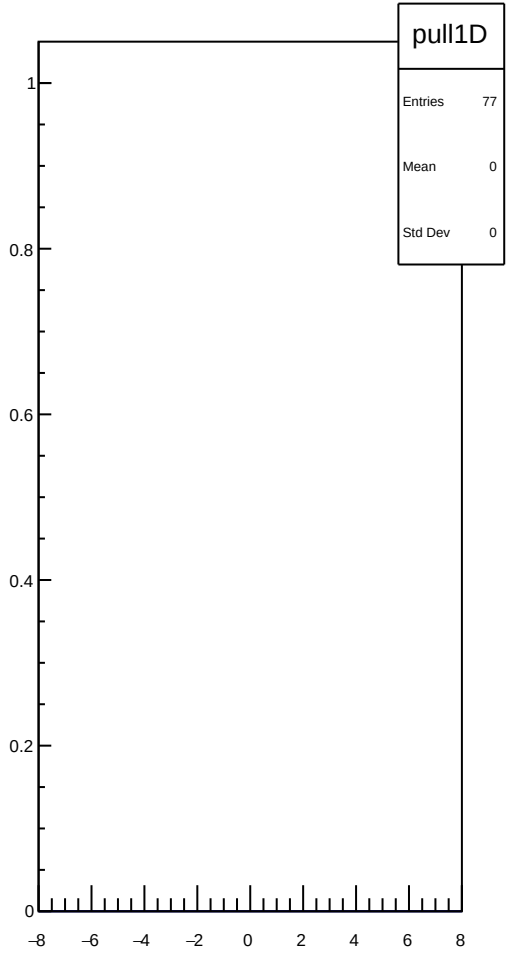
dit_sam2_coil7_Ndata_mean vs run



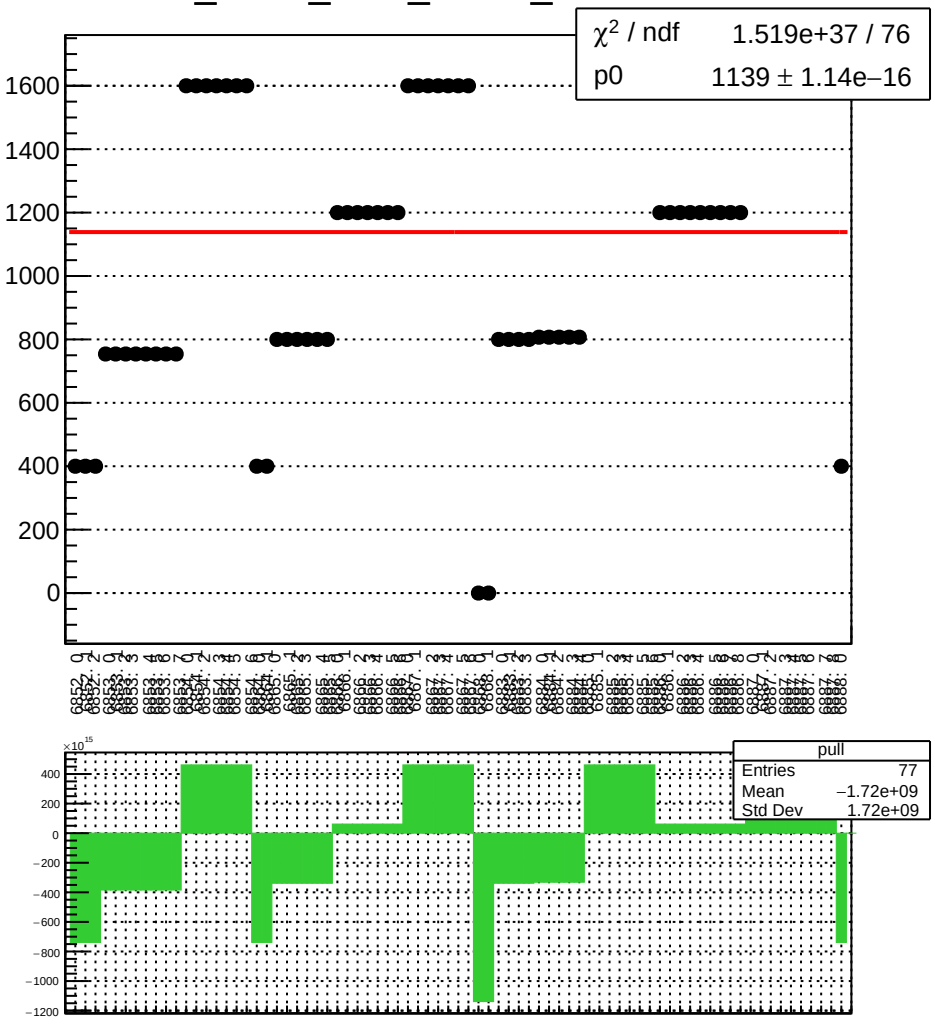


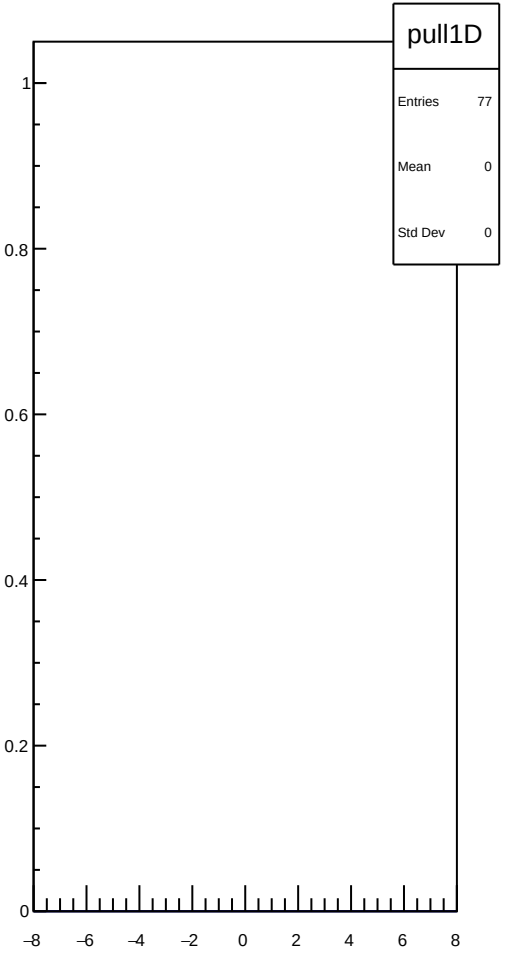

dit_sam3_coil7_mean vs run
χ² / ndf 8.42e+37 / 76
p0 −4330 ± 1.14e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 77
Mean −4.329e+08
Std Dev 4.329e+08
×10¹⁵
4000
3000
2000
1000
0
−1000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

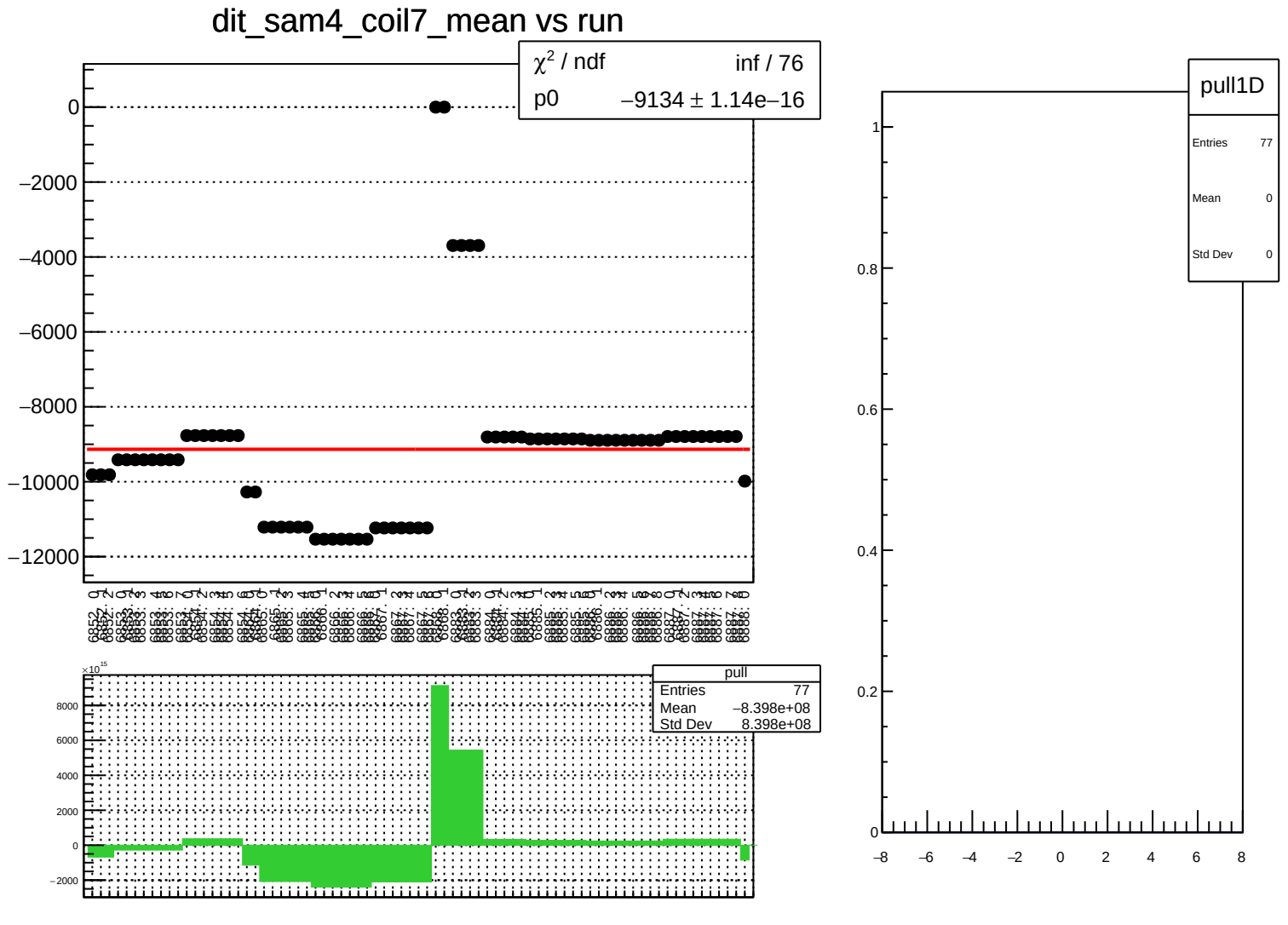

dit_sam3_coil7_err_mean vs run
χ² / ndf 4.991e+36 / 76
p0 662.6 ± 1.14e−16
1000
800
600
400
200
0
pull
Entries 77
Mean 2.953e+09
Std Dev 2.953e+09
×10¹⁵
400
200
0
−200
−400
−600


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

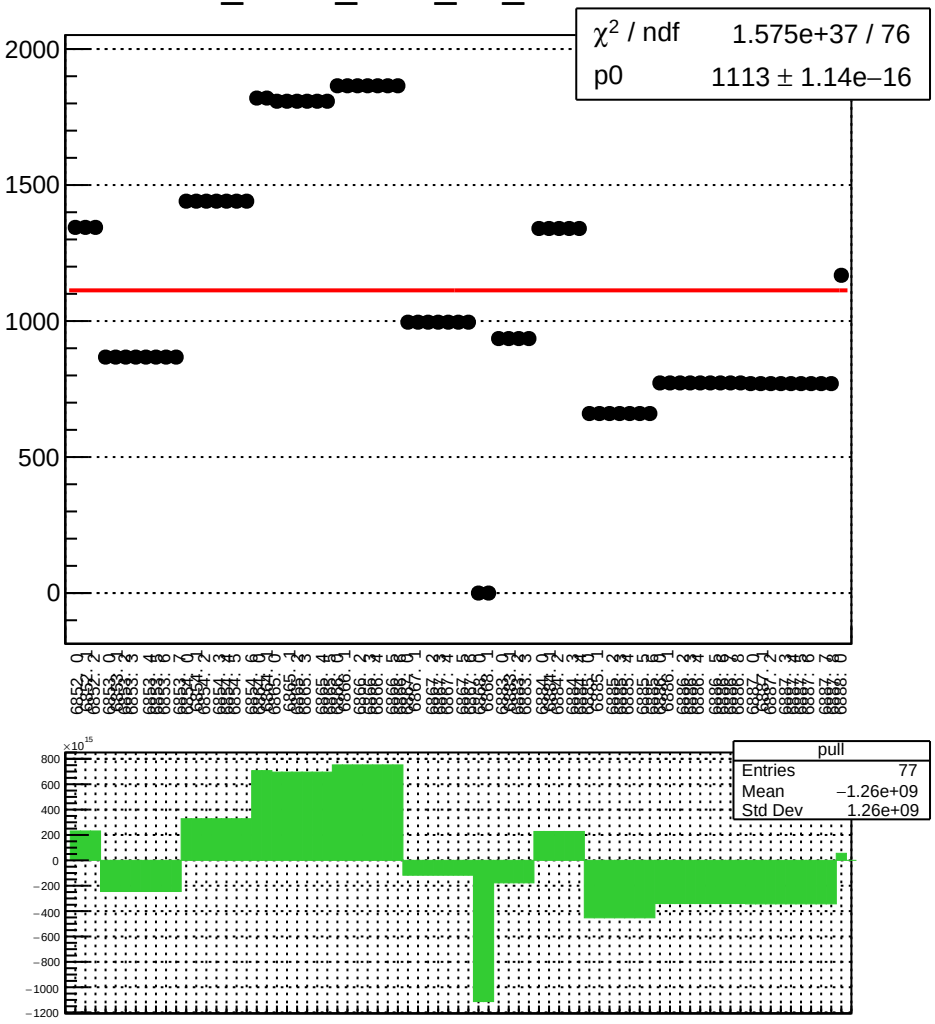
dit_sam3_coil7_Ndata_mean vs run

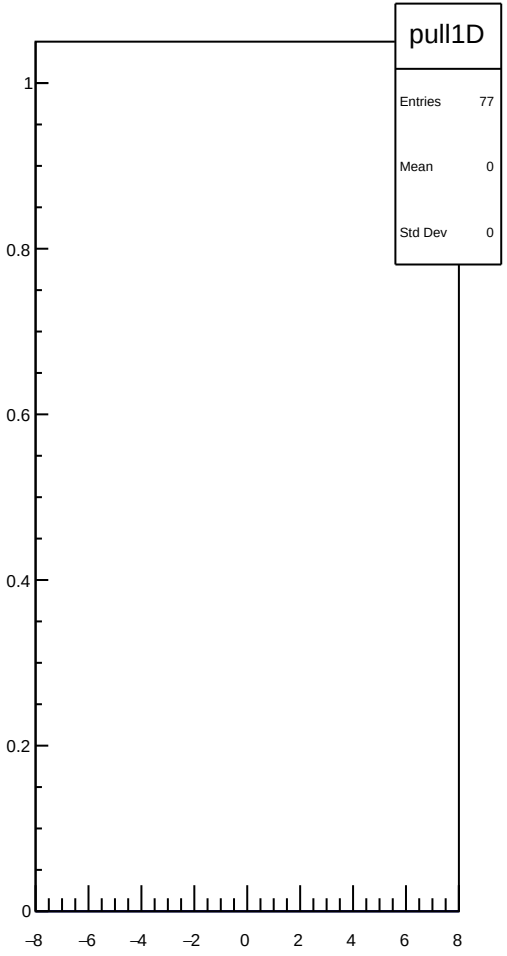




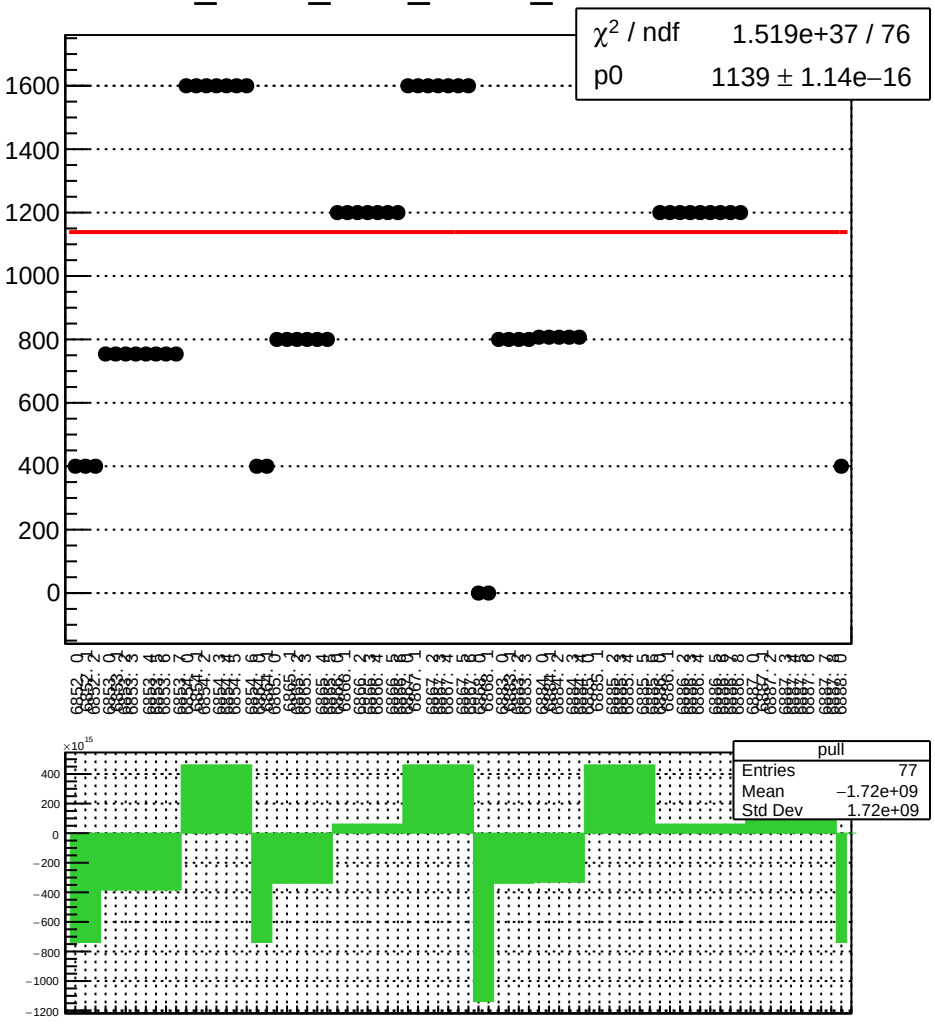

dit_sam4_coil7_mean vs run
χ² / ndf inf / 76
p0 −9134 ± 1.14e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 77
Mean −8.398e+08
Std Dev 8.398e+08
×10¹⁵
8000
6000
4000
2000
0
−2000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

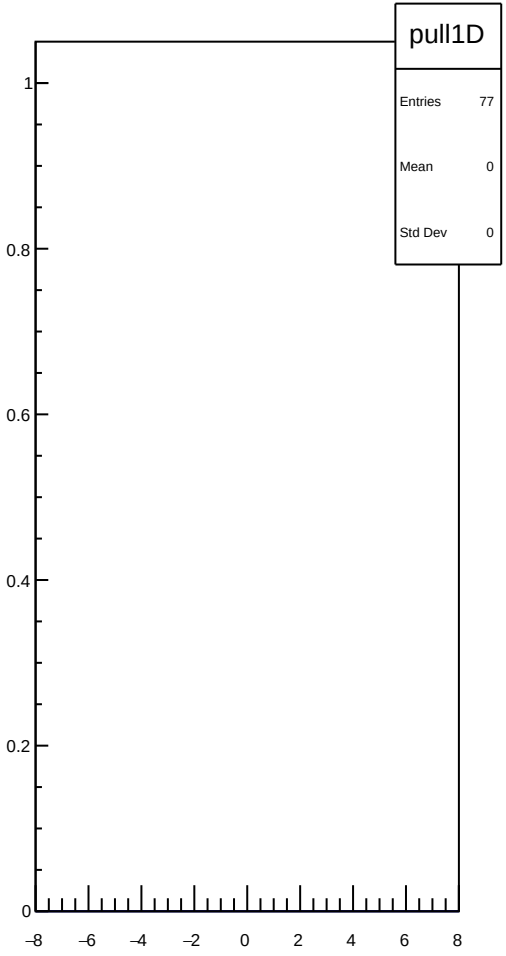
dit_sam4_coil7_err_mean vs run

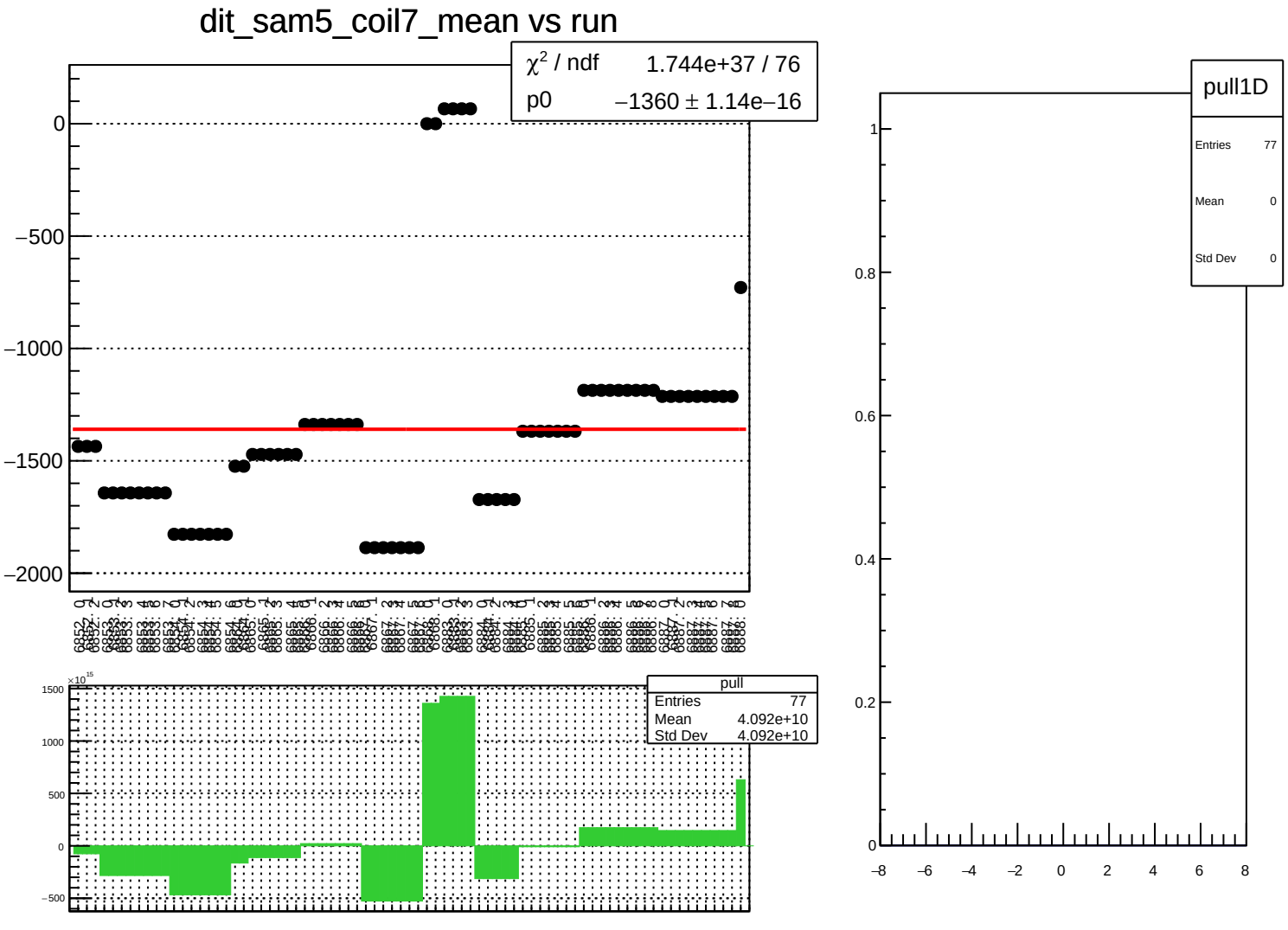


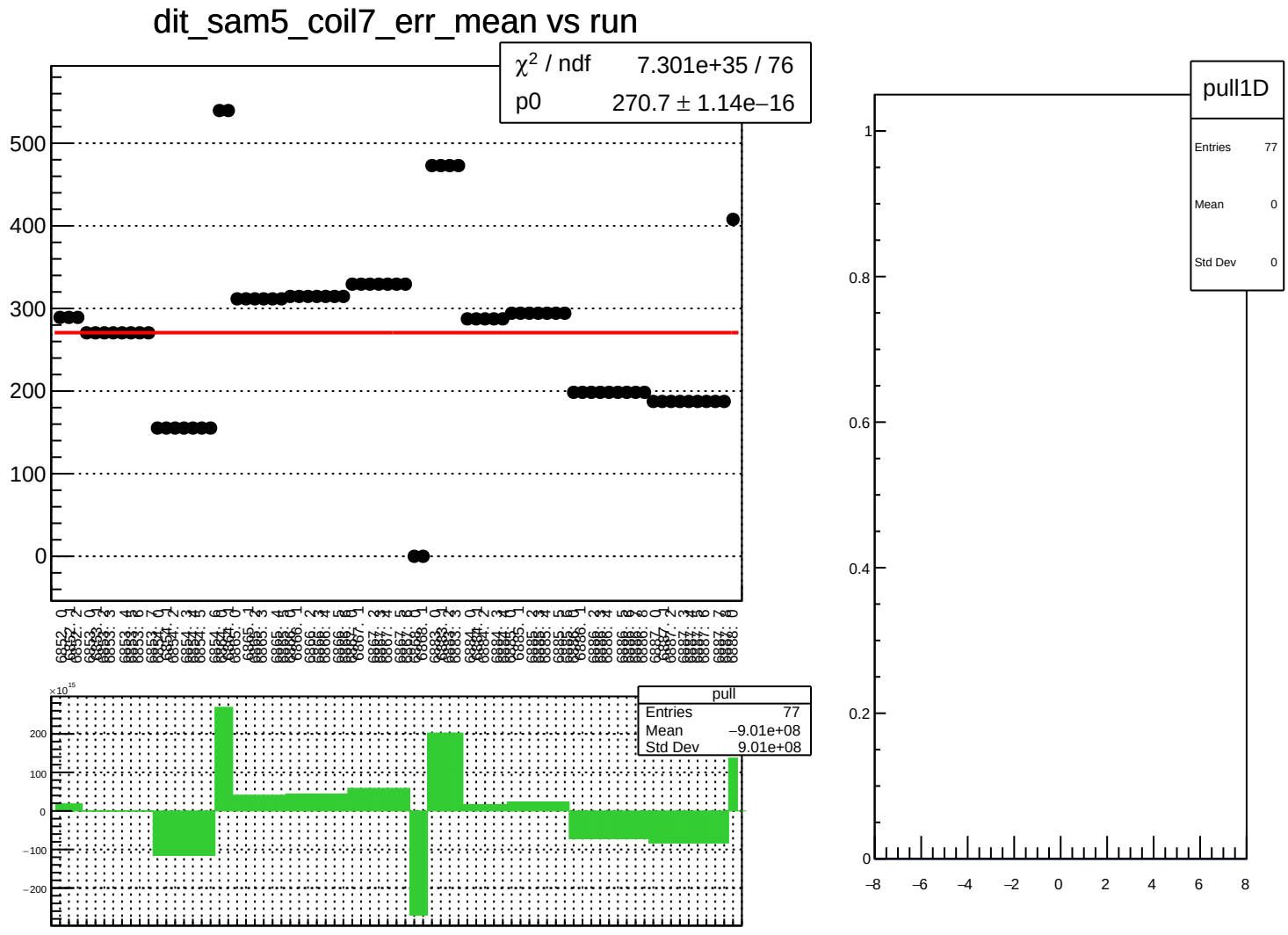


dit_sam4_coil7_Ndata_mean vs run

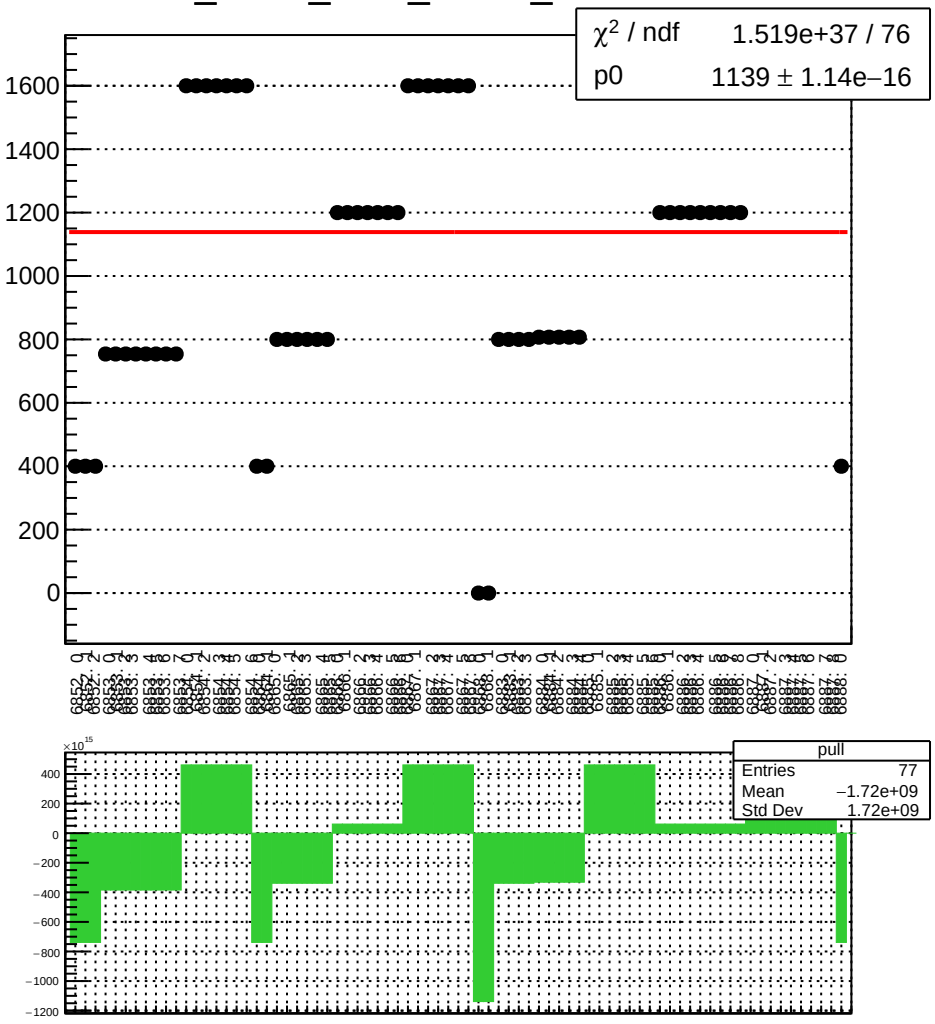


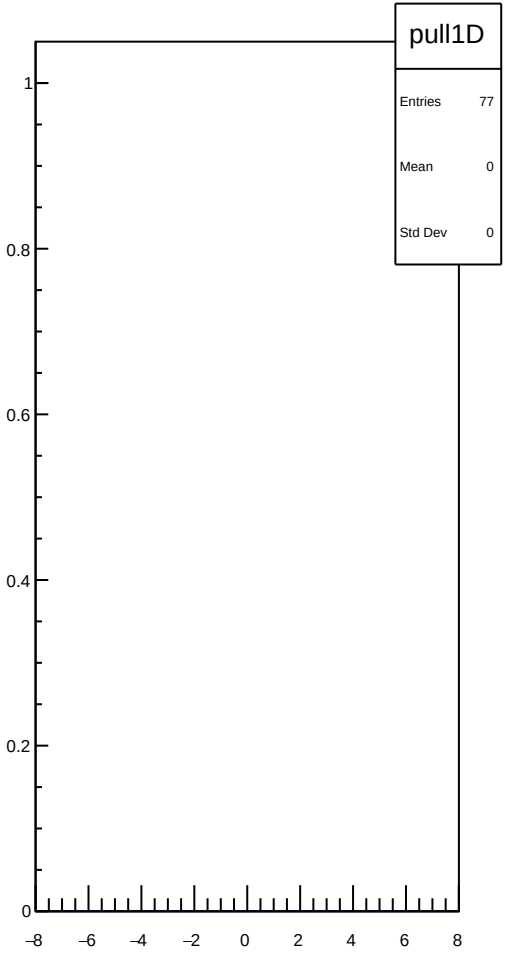


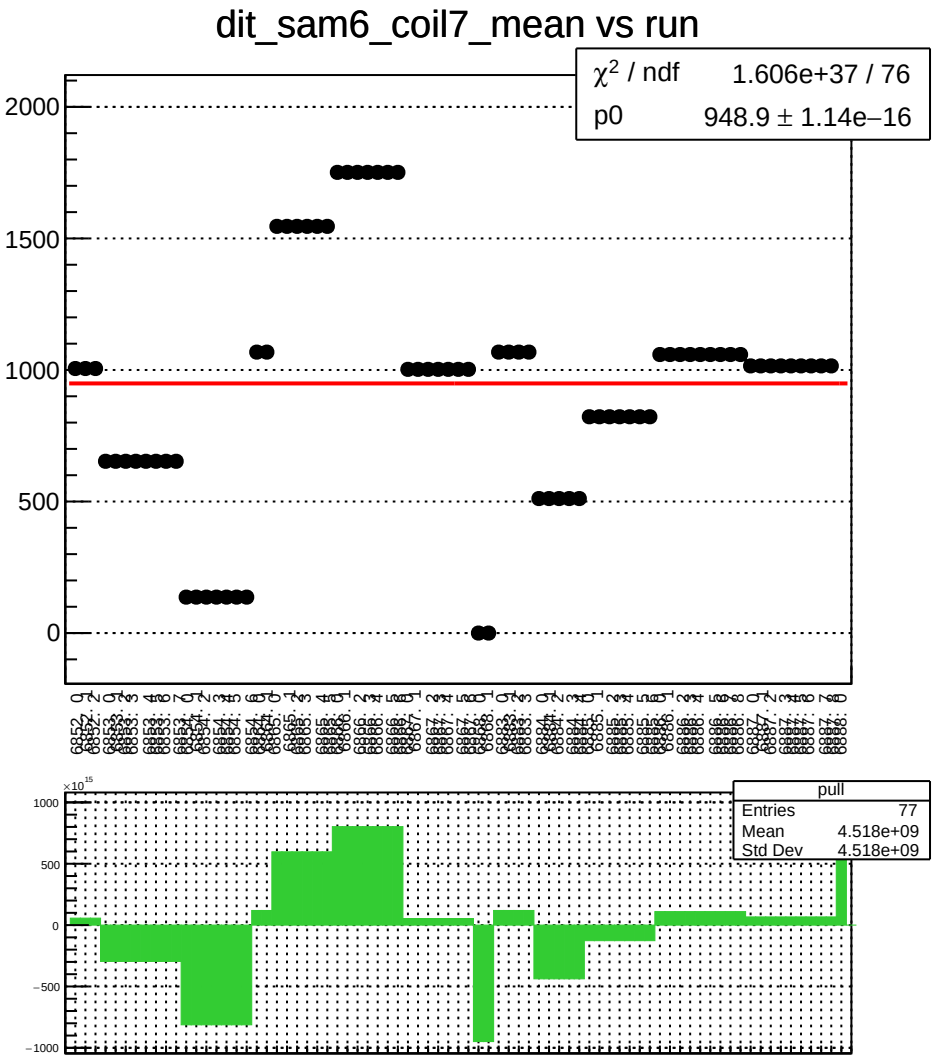

dit_sam5_coil7_mean vs run
χ^2 / ndf 1.744e+37 / 76
p0 −1360 ± 1.14e−16
0
−500
−1000
−1500
−2000
pull
Entries 77
Mean 4.092e+10
Std Dev 4.092e+10
1500
1000
500
0
−500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

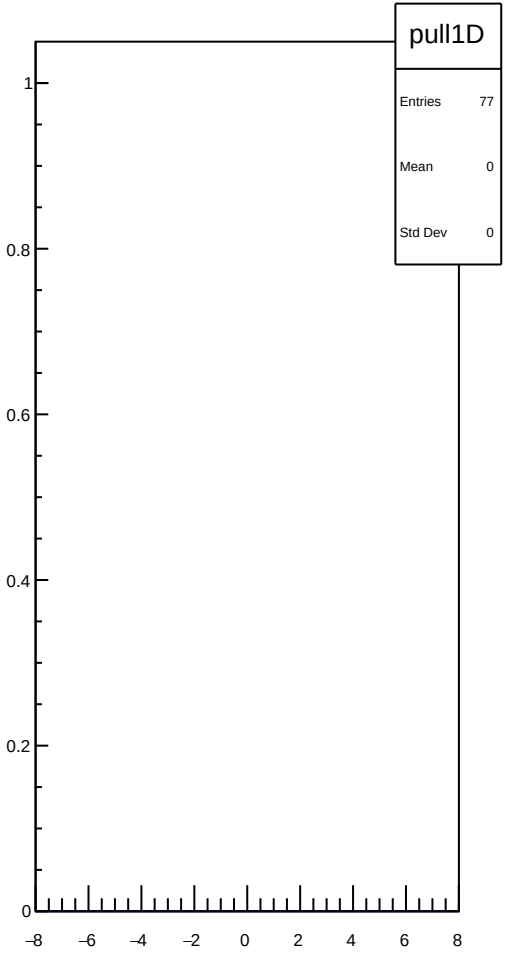

dit_sam5_coil7_err_mean vs run
χ² / ndf 7.301e+35 / 76
p0 270.7 ± 1.14e−16
pull
Entries 77
Mean −9.01e+08
Std Dev 9.01e+08
pull1D
Entries 77
Mean 0
Std Dev 0

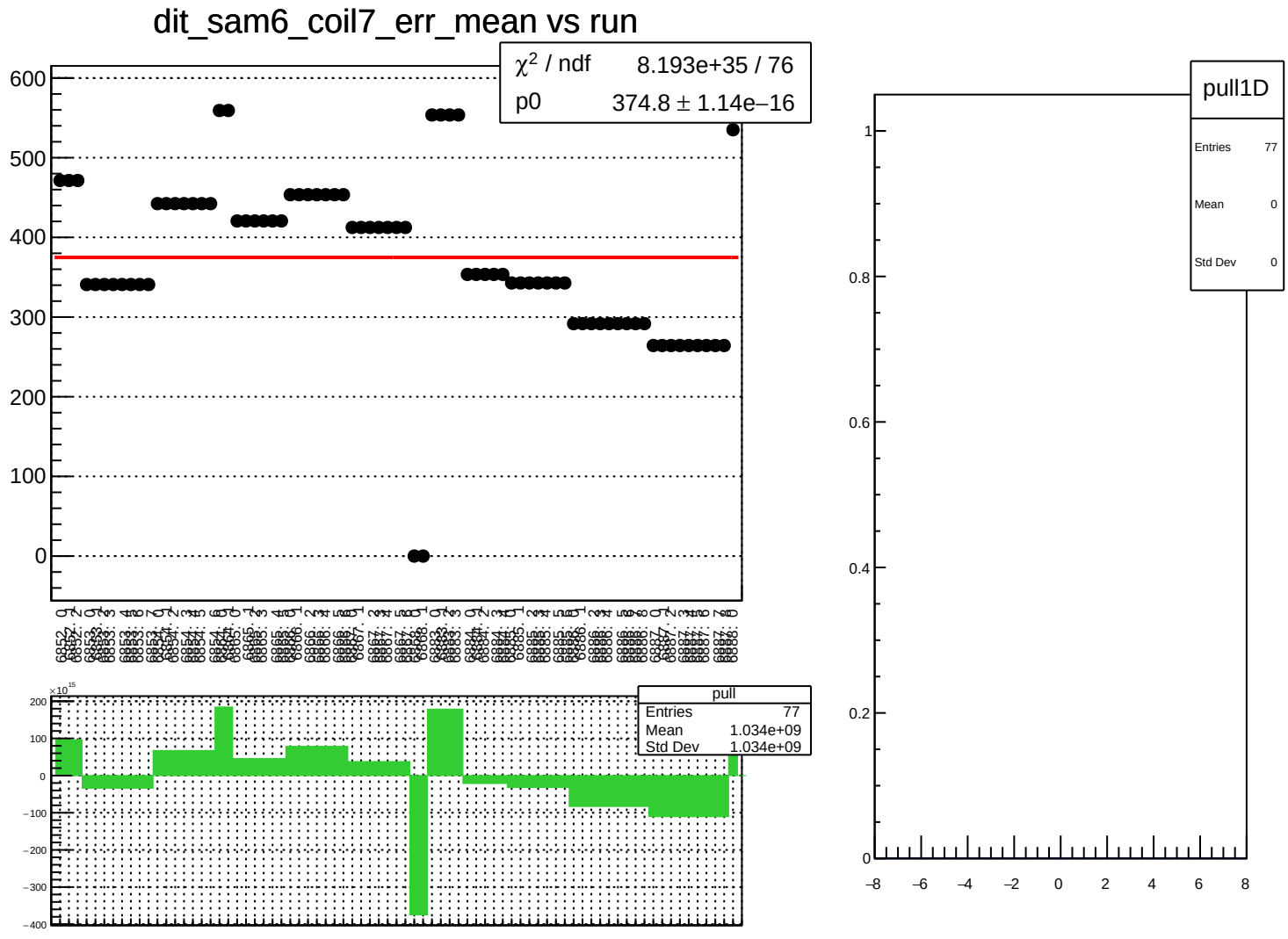
dit_sam5_coil7_Ndata_mean vs run



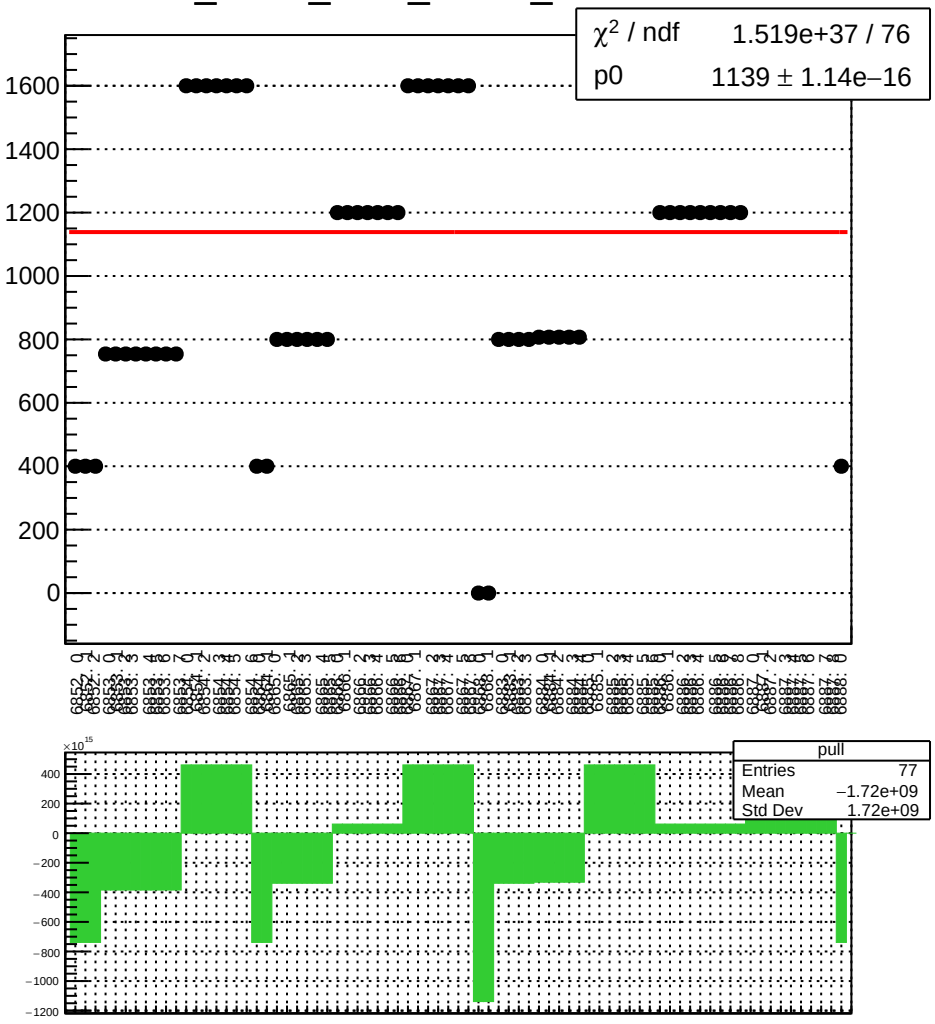


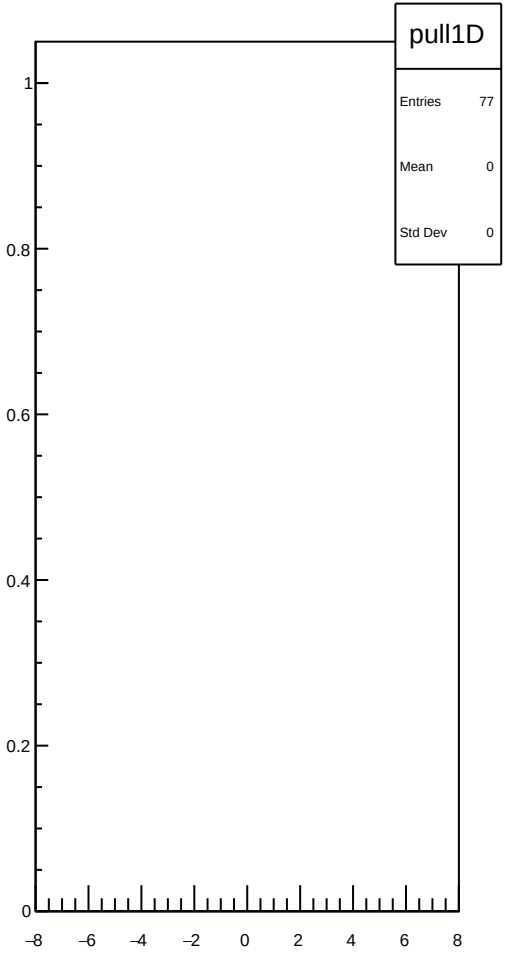

dit_sam6_coil7_mean vs run
χ^2 / ndf 1.606e+37 / 76
p0 948.9 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 4.518e+09
Std Dev 4.518e+09
$\times 10^{15}$
1000
500
0
−500
−1000

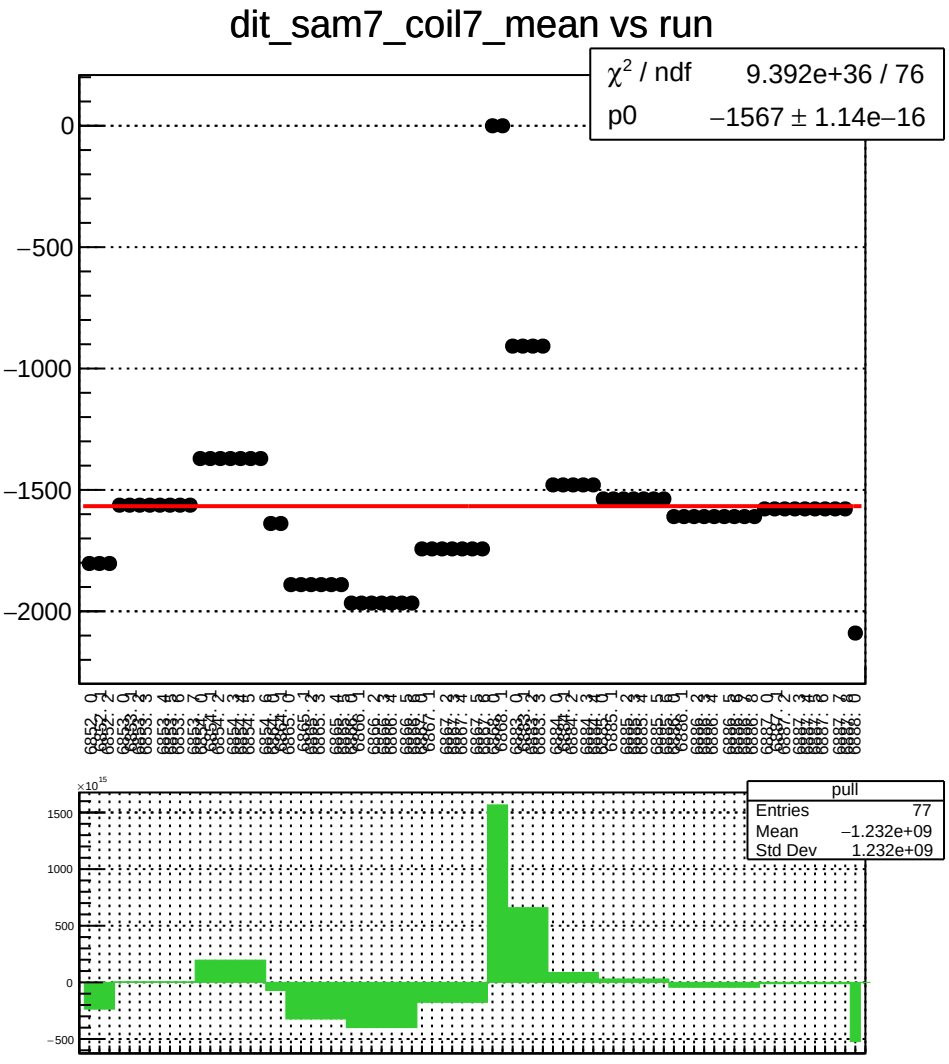

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

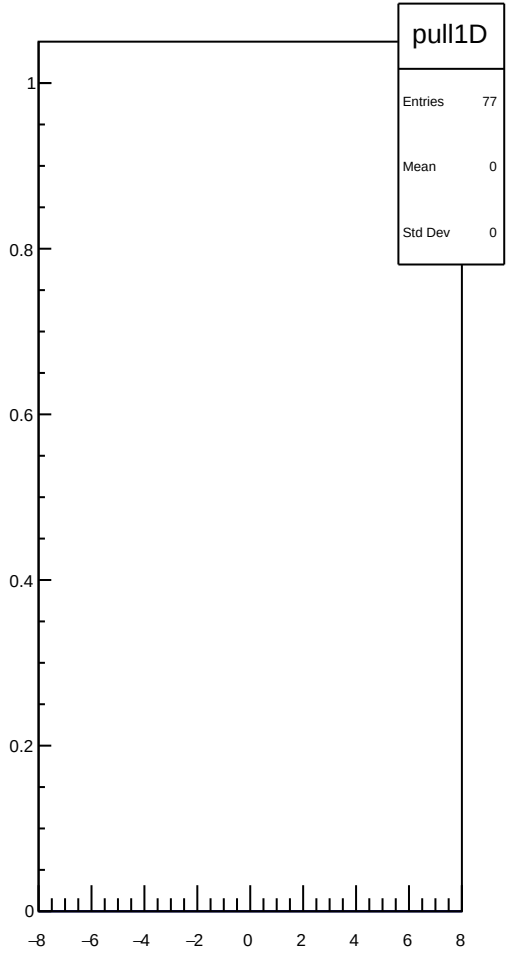

dit_sam6_coil7_err_mean vs run
χ² / ndf 8.193e+35 / 76
p0 374.8 ± 1.14e−16
pull
Entries 77
Mean 1.034e+09
Std Dev 1.034e+09
pull1D
Entries 77
Mean 0
Std Dev 0

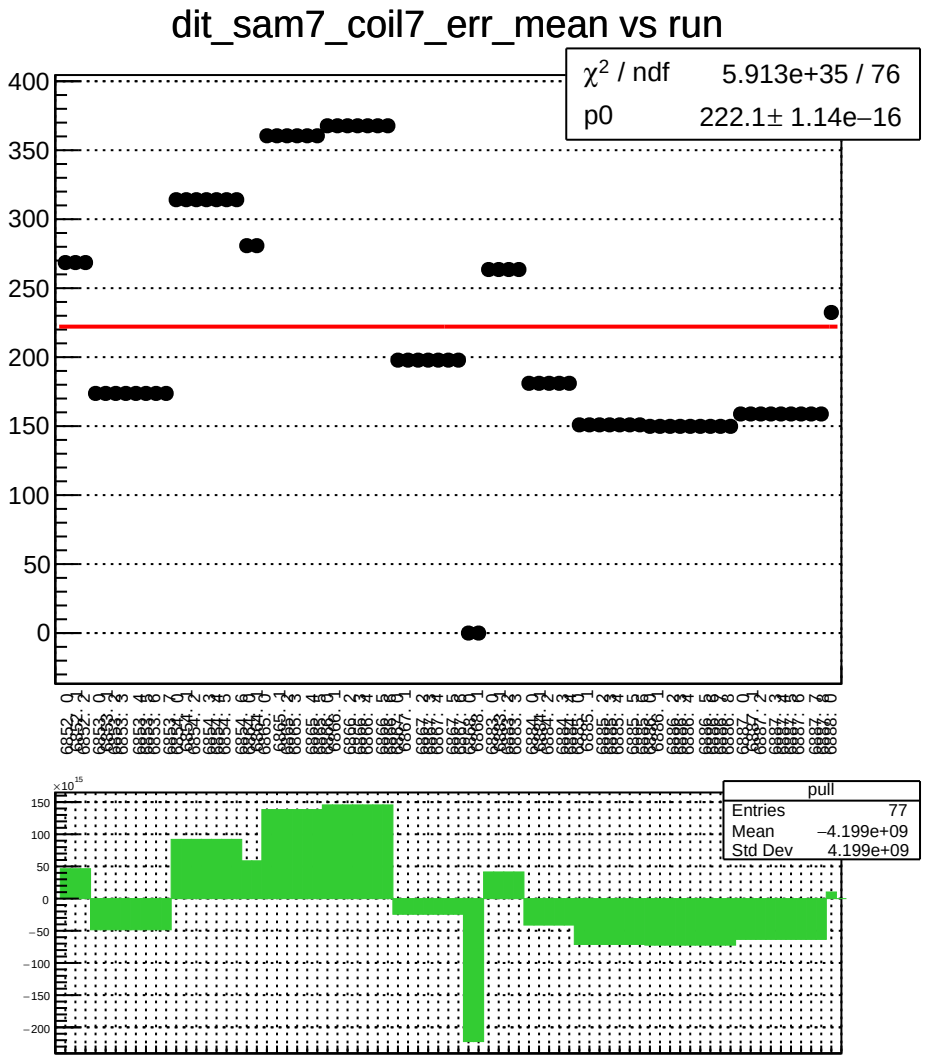
dit_sam6_coil7_Ndata_mean vs run

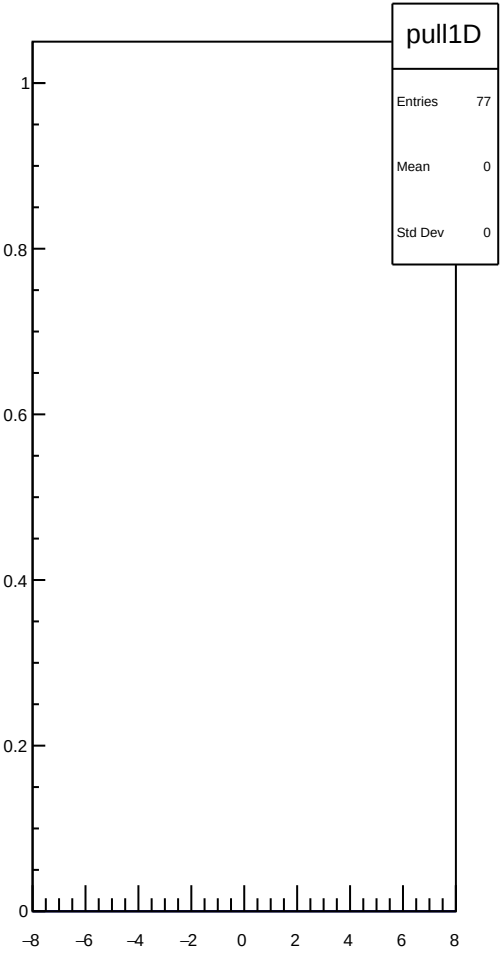




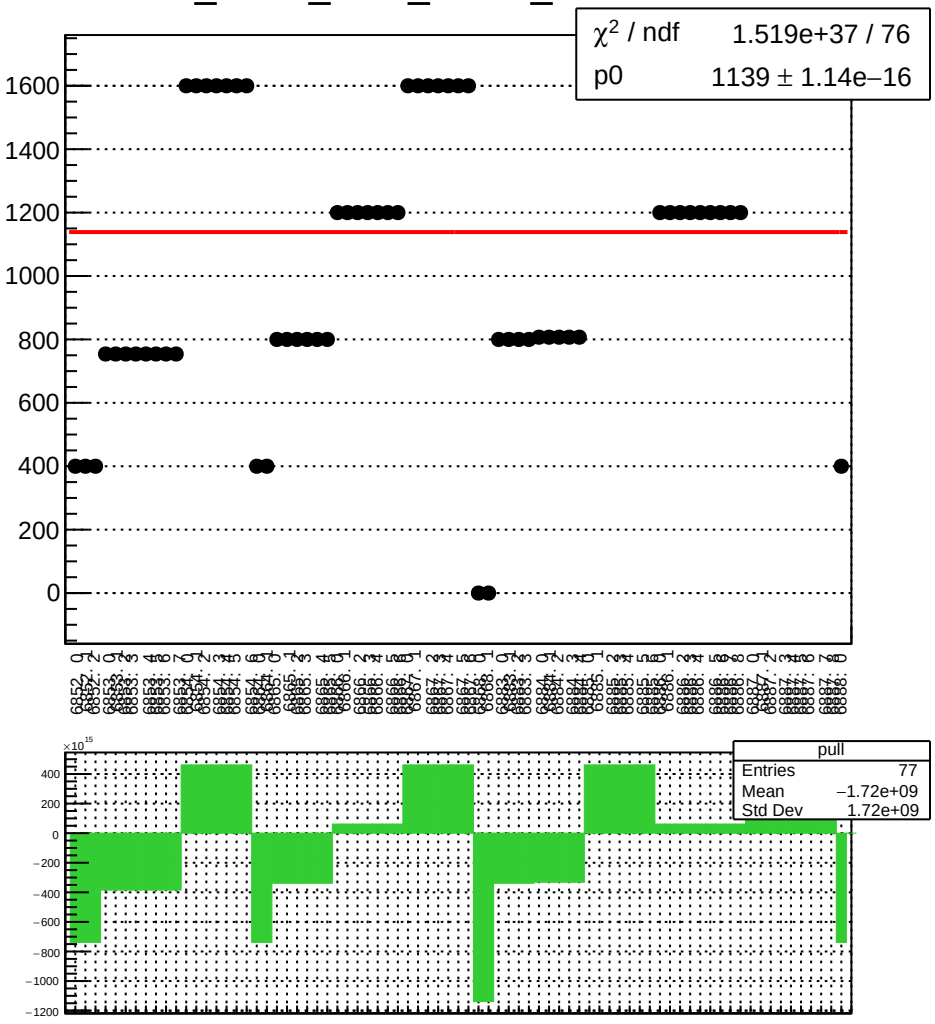

dit_sam7_coil7_mean vs run
χ^2 / ndf 9.392e+36 / 76
p0 −1567 ± 1.14e−16
0
−500
−1000
−1500
−2000
pull
Entries 77
Mean −1.232e+09
Std Dev 1.232e+09
×10^15
1500
1000
500
0
−500

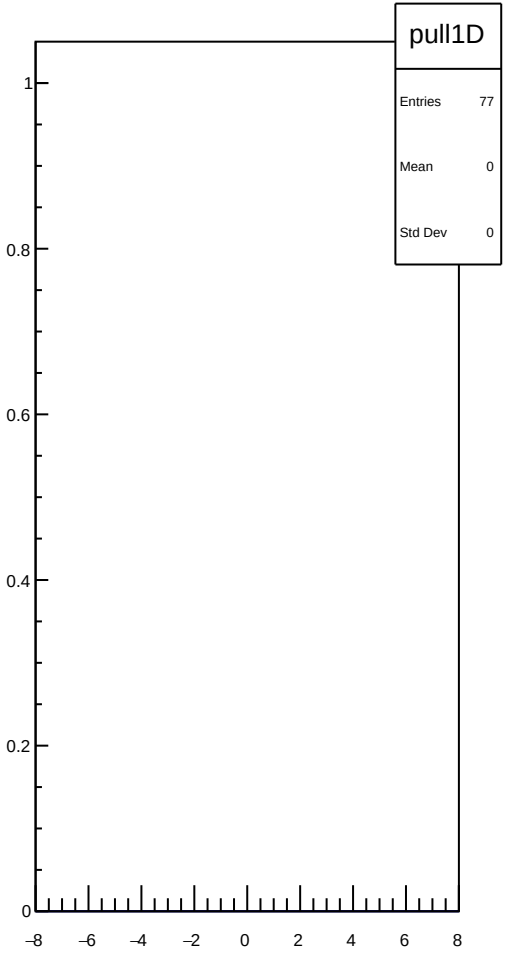

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

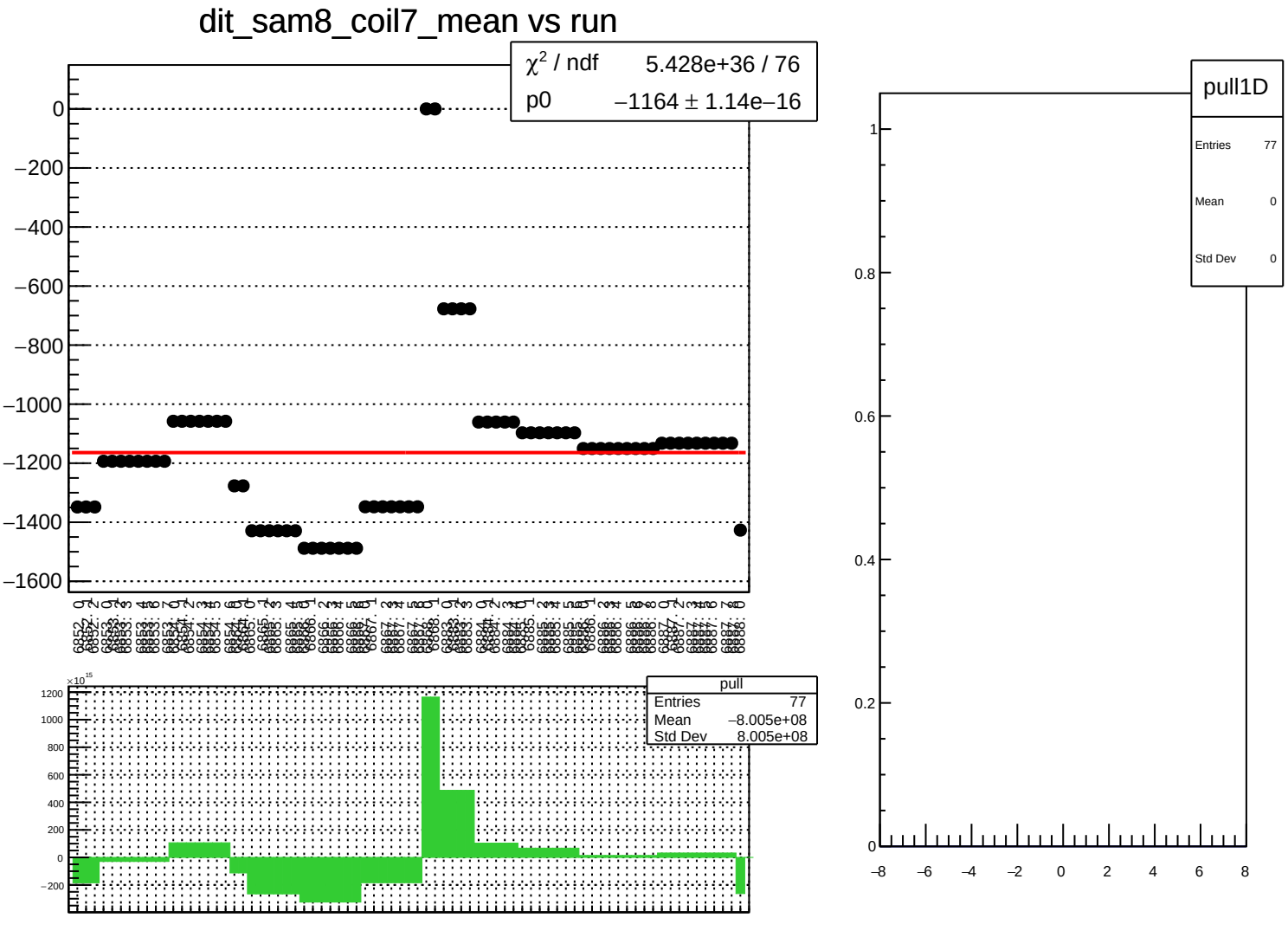

dit_sam7_coil7_err_mean vs run
χ² / ndf 5.913e+35 / 76
p0 222.1± 1.14e−16
pull
Entries 77
Mean −4.199e+09
Std Dev 4.199e+09

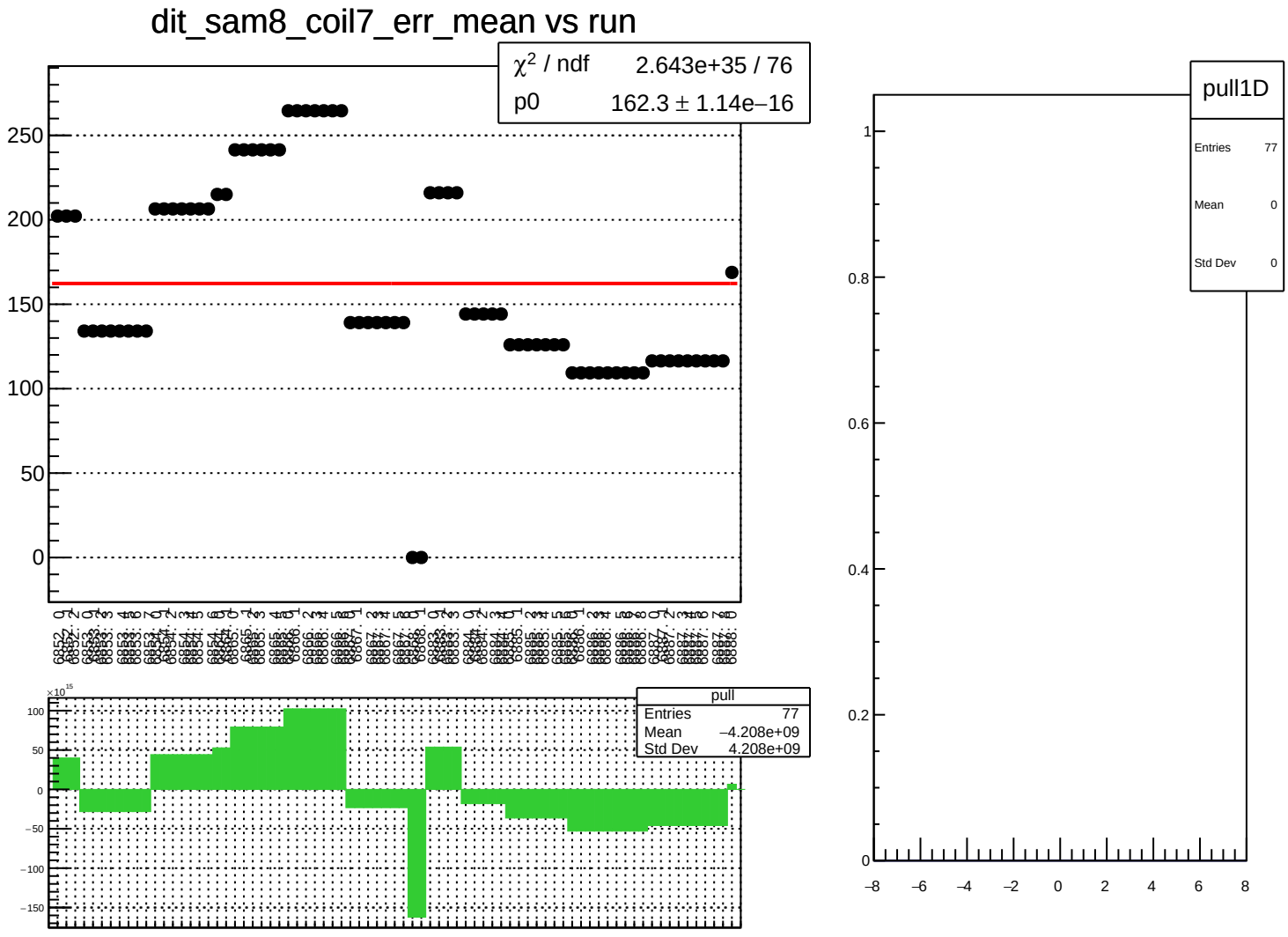

pull1D
Entries 77
Mean 0
Std Dev 0

dit_sam7_coil7_Ndata_mean vs run

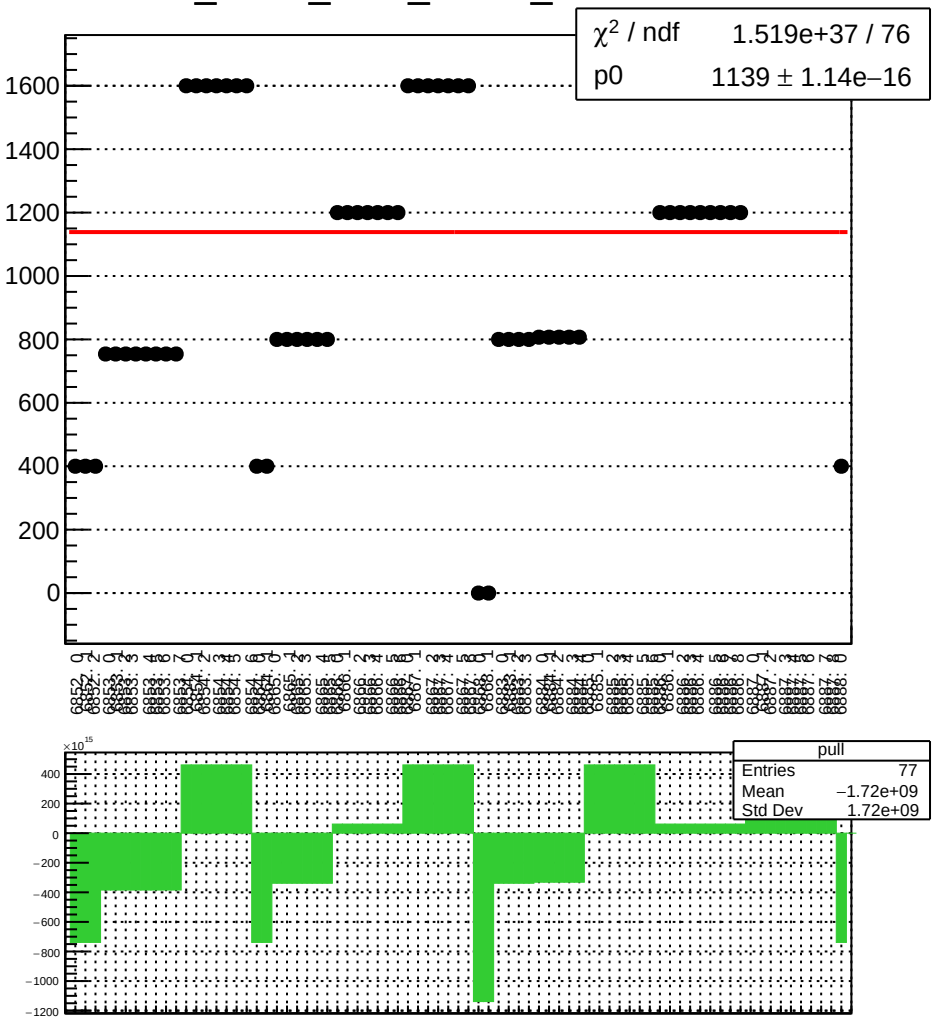


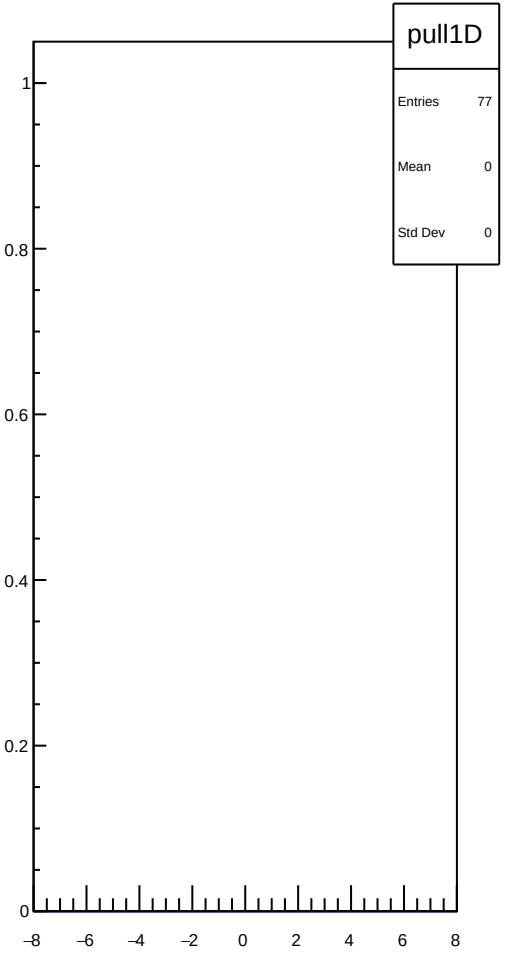


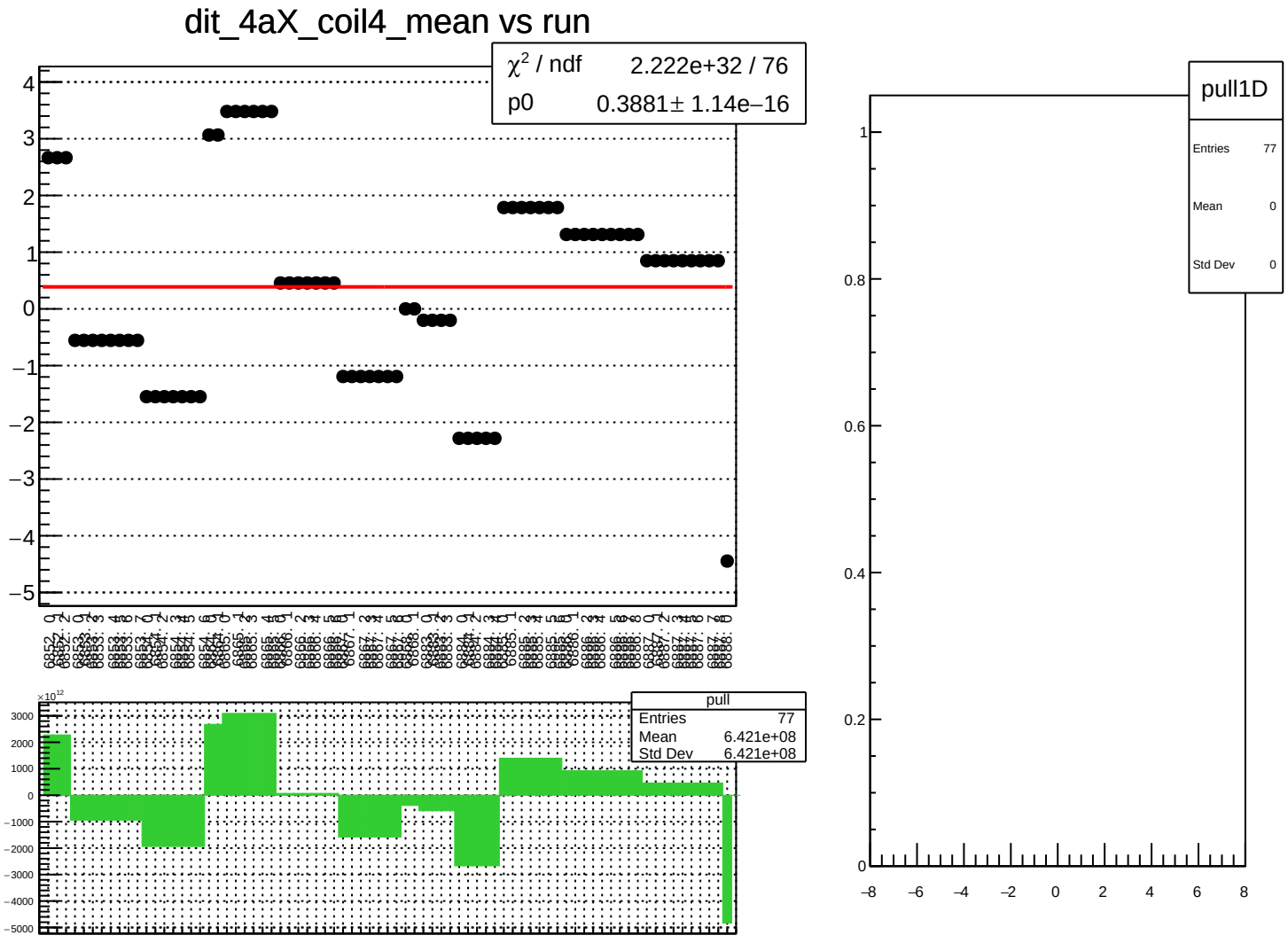

dit_sam8_coil7_mean vs run
χ² / ndf 5.428e+36 / 76
p0 −1164 ± 1.14e−16
pull
Entries 77
Mean −8.005e+08
Std Dev 8.005e+08
pull1D
Entries 77
Mean 0
Std Dev 0


dit_sam8_coil7_err_mean vs run
χ² / ndf 2.643e+35 / 76
p0 162.3 ± 1.14e−16
pull
Entries 77
Mean −4.208e+09
Std Dev 4.208e+09
pull1D
Entries 77
Mean 0
Std Dev 0

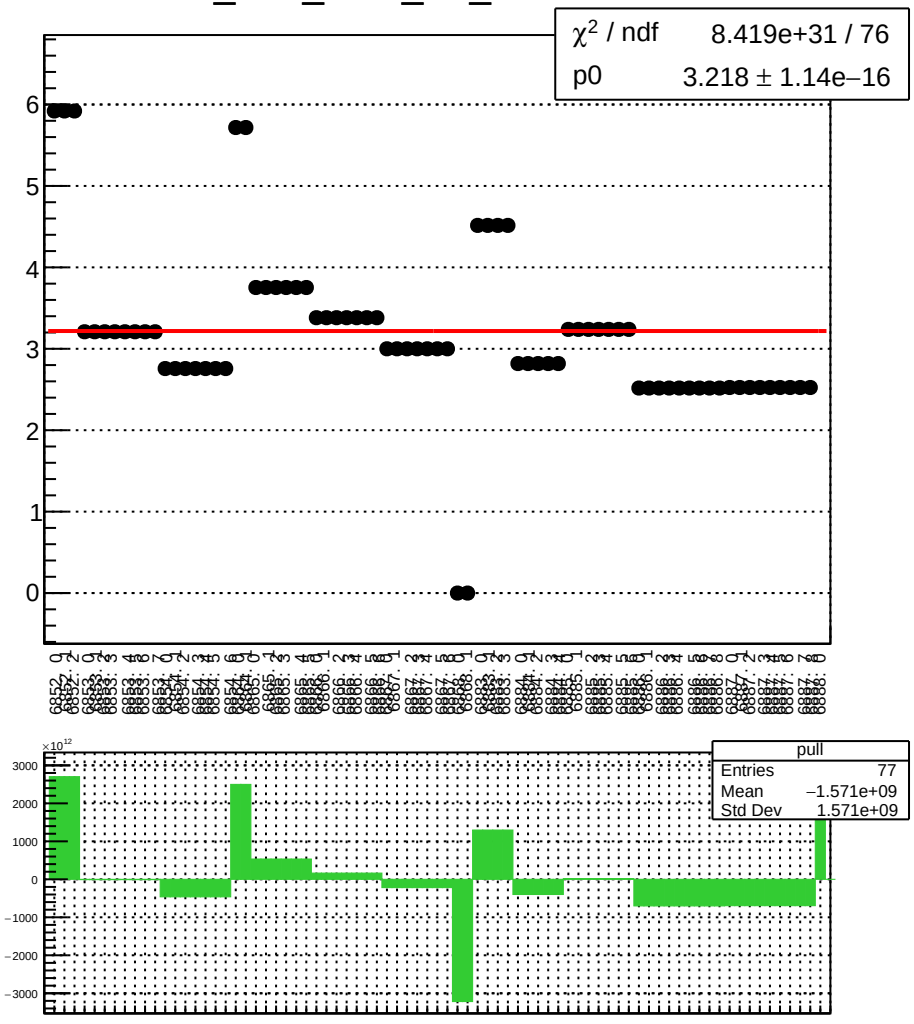
dit_sam8_coil7_Ndata_mean vs run

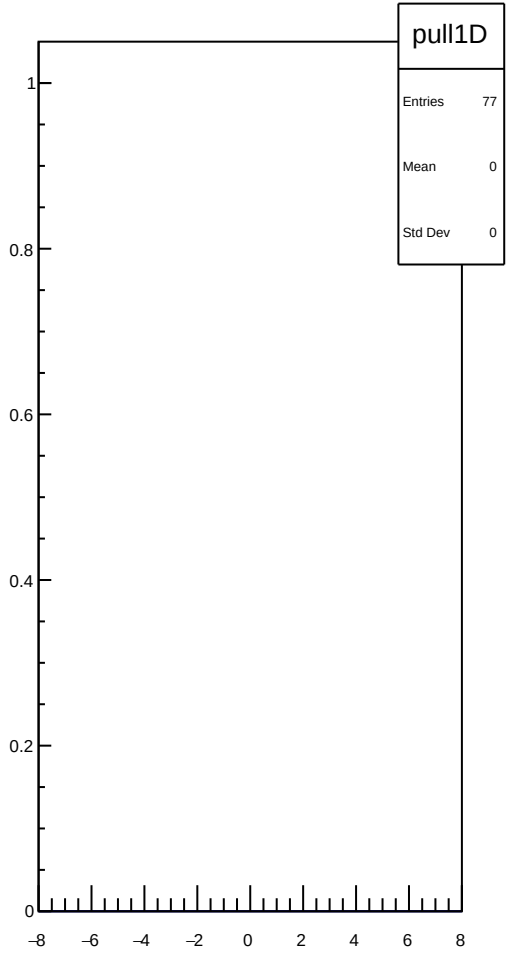


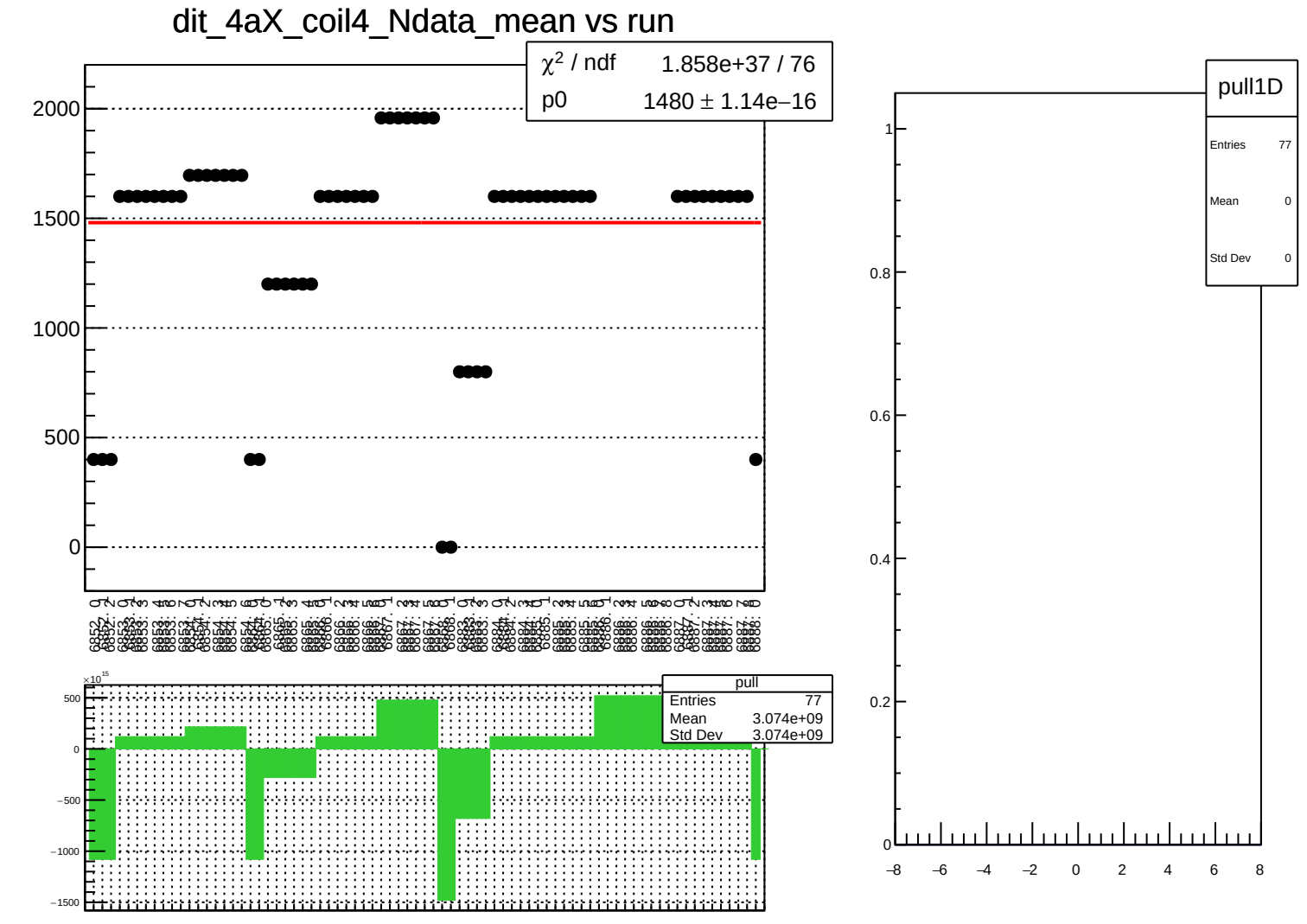



dit_4aX_coil4_mean vs run
χ² / ndf 2.222e+32 / 76
p0 0.3881± 1.14e−16
pull
Entries 77
Mean 6.421e+08
Std Dev 6.421e+08
pull1D
Entries 77
Mean 0
Std Dev 0

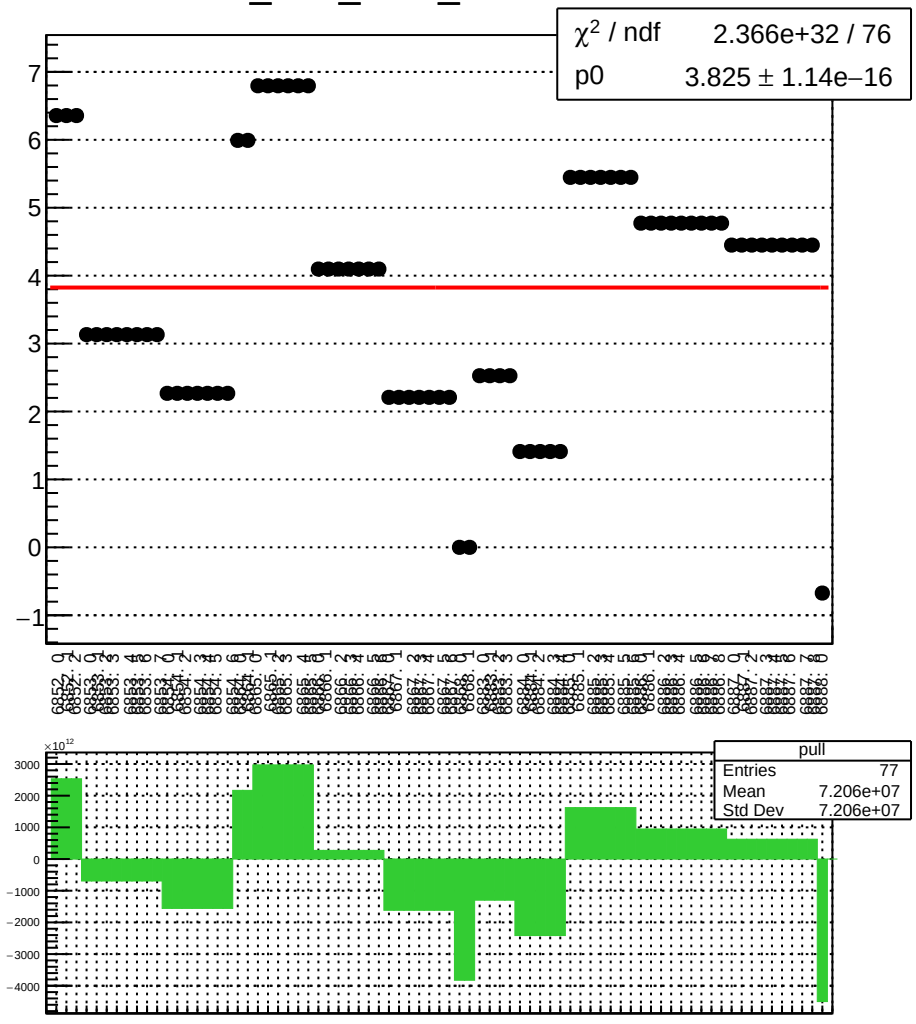
dit_4aX_coil4_err_mean vs run

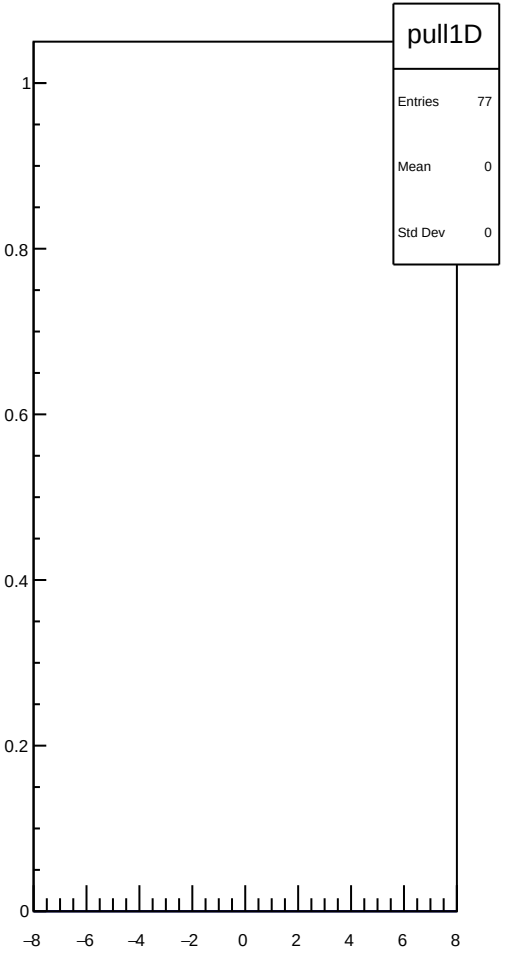




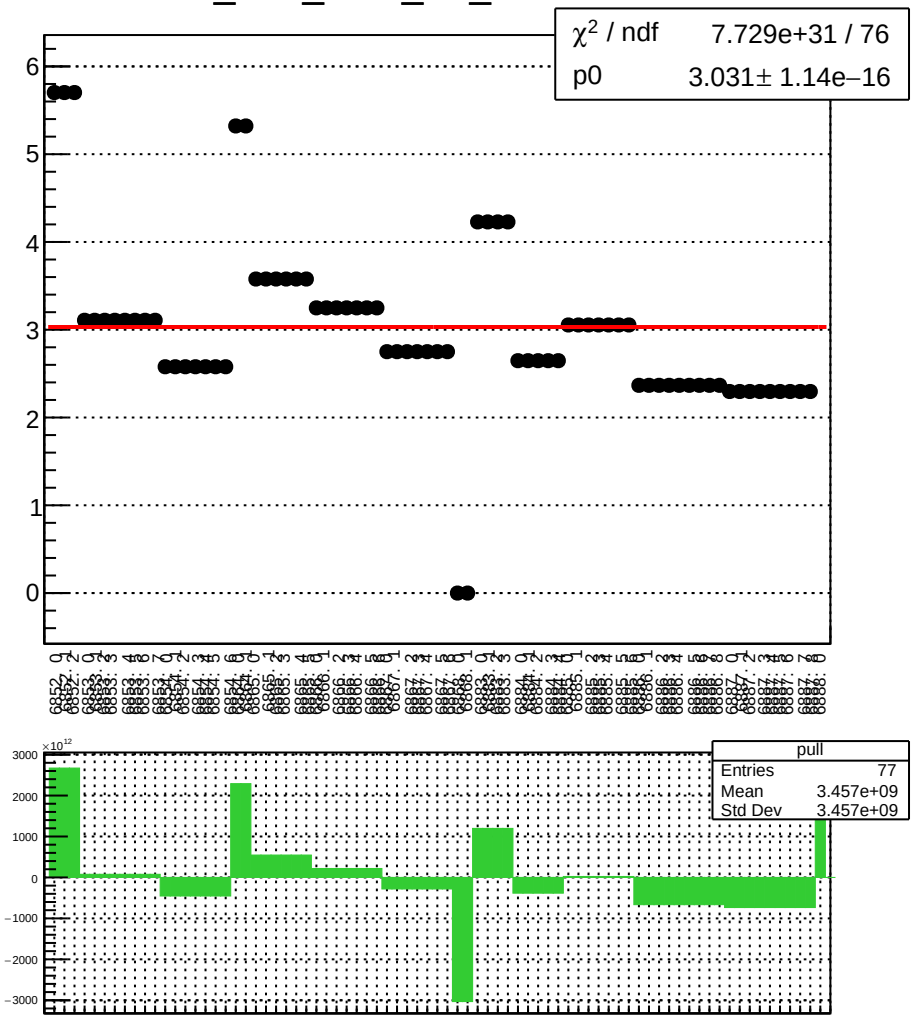

dit_4aX_coil4_Ndata_mean vs run
χ^2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

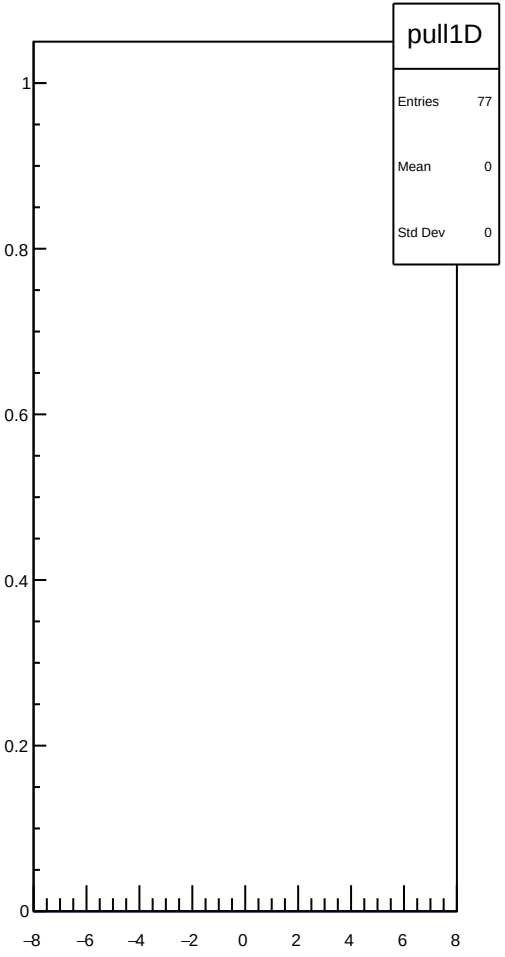
dit_4eX_coil4_mean vs run



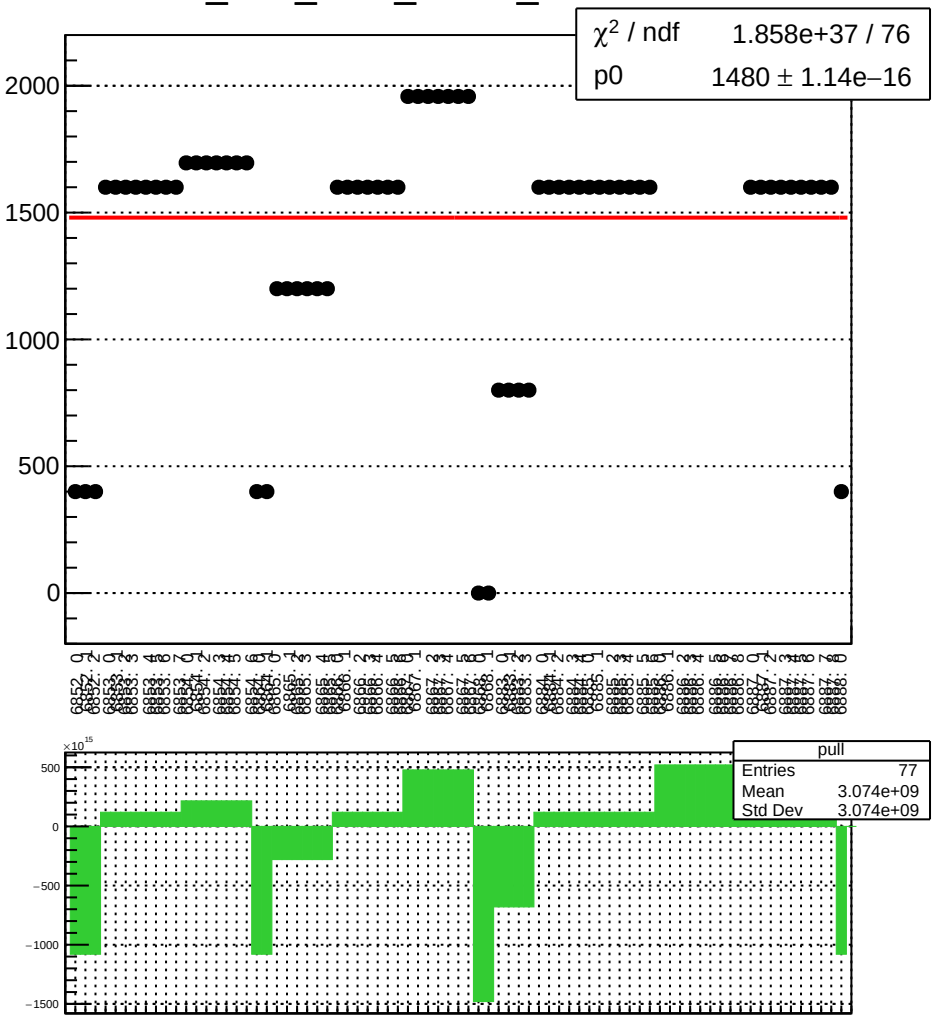


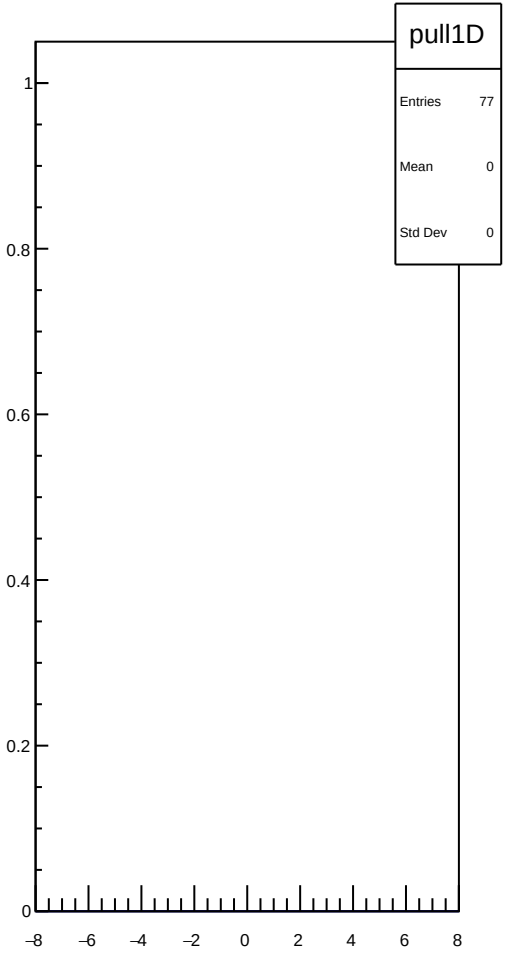
dit_4eX_coil4_err_mean vs run



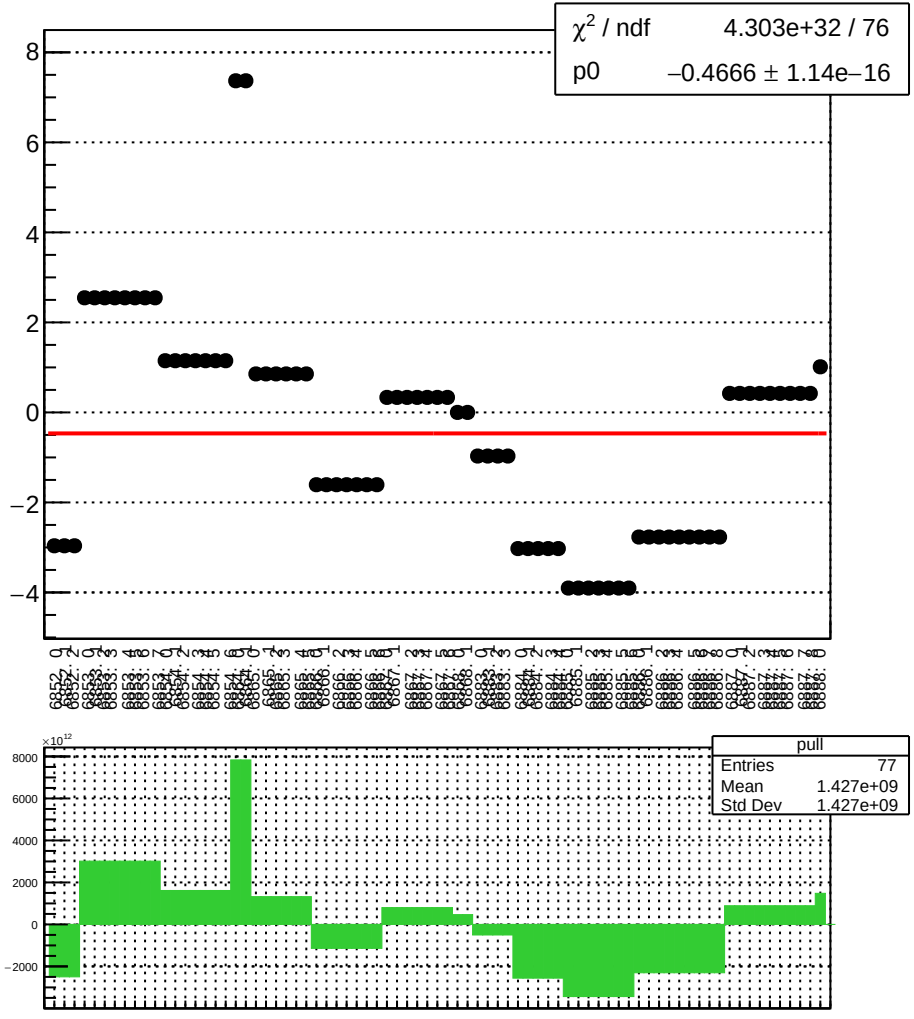


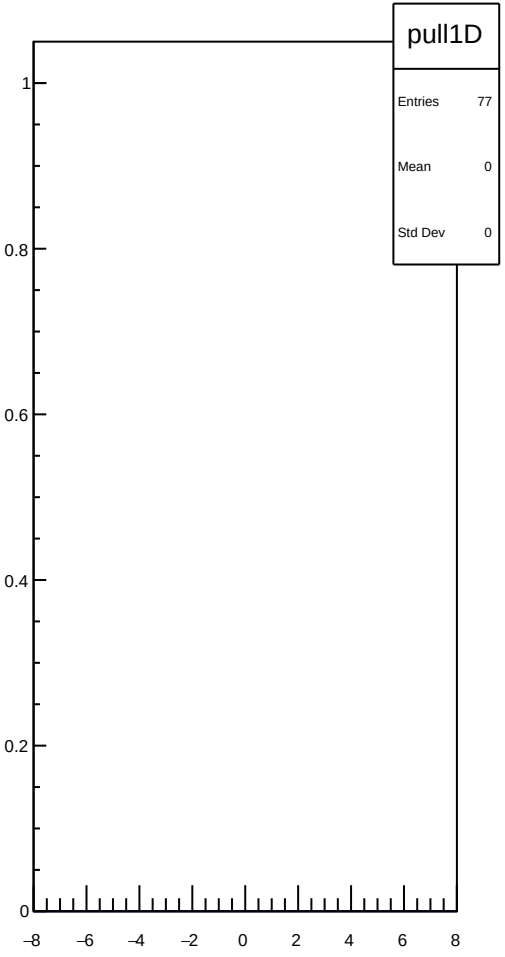
dit_4eX_coil4_Ndata_mean vs run

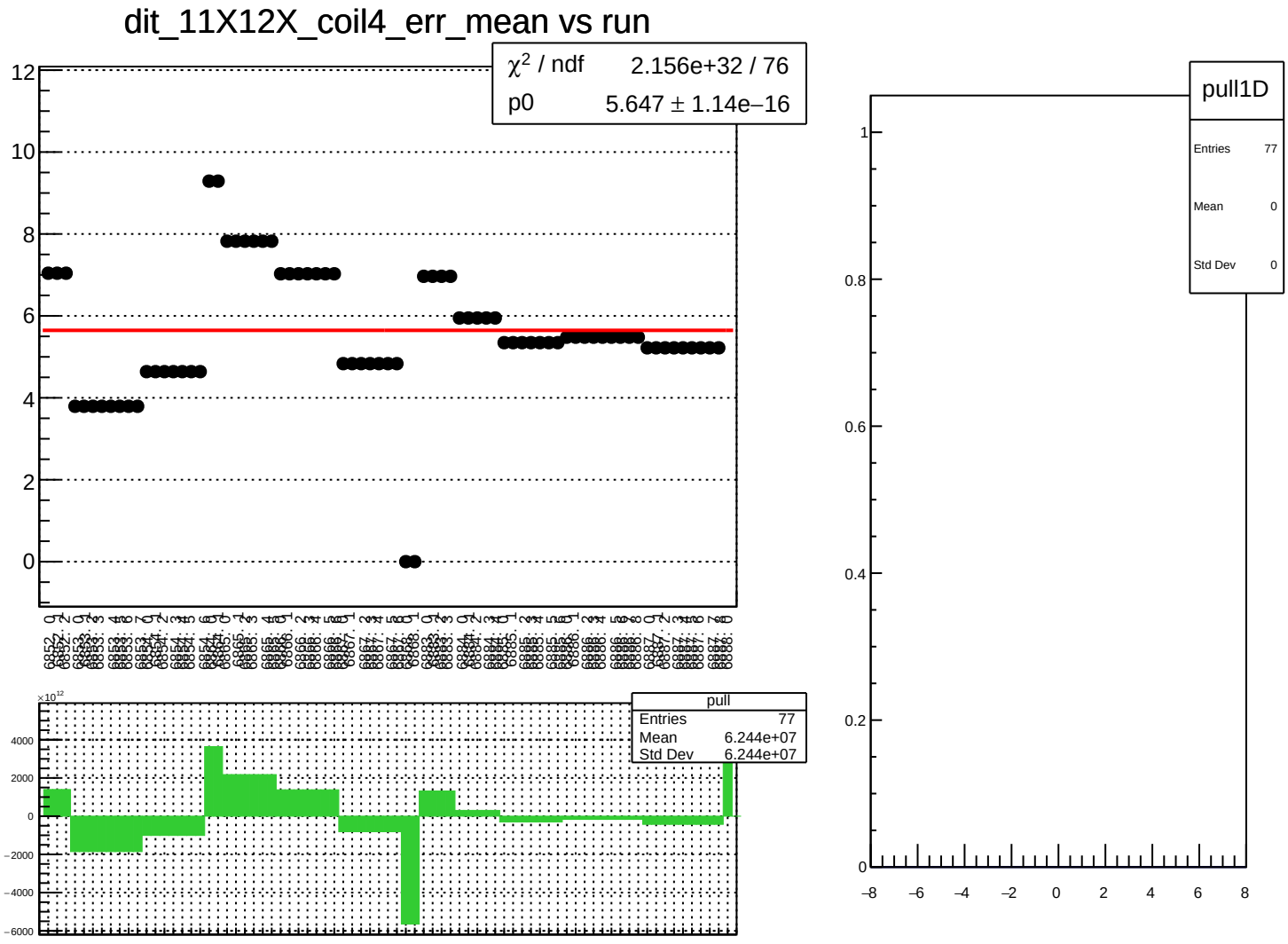




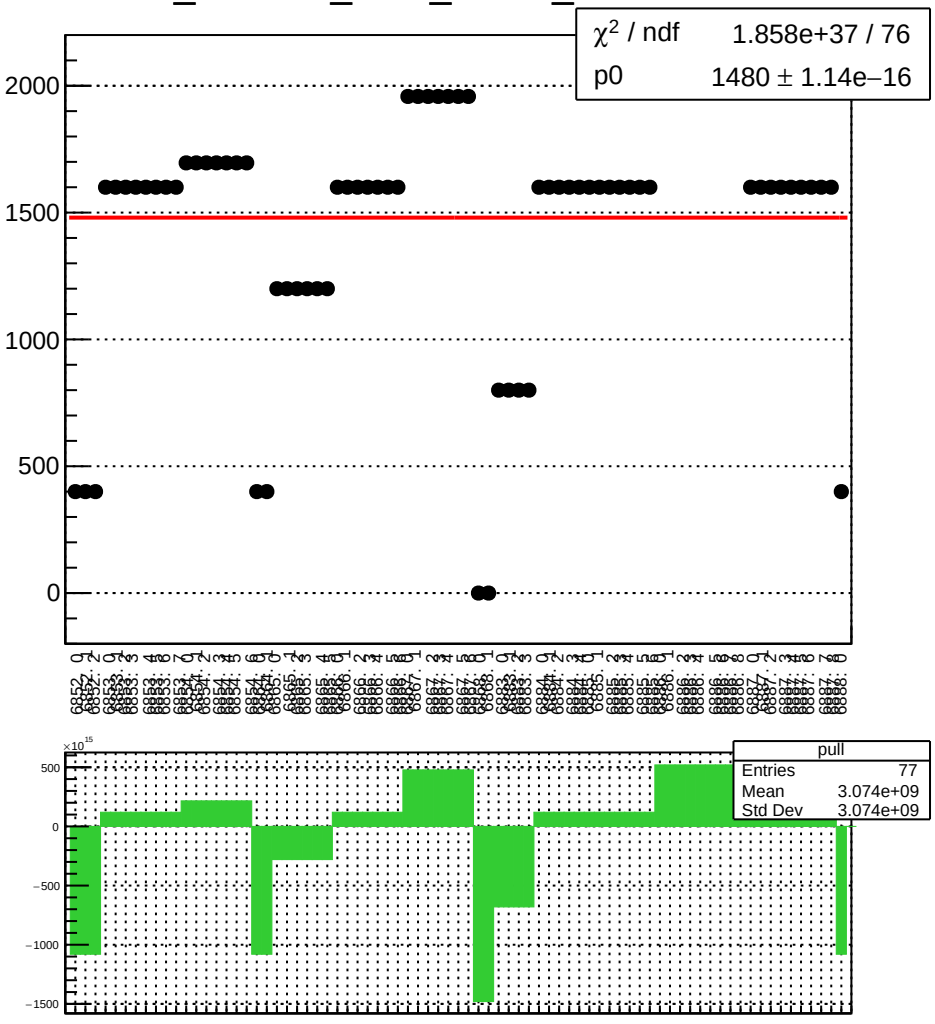
dit_11X12X_coil4_mean vs run

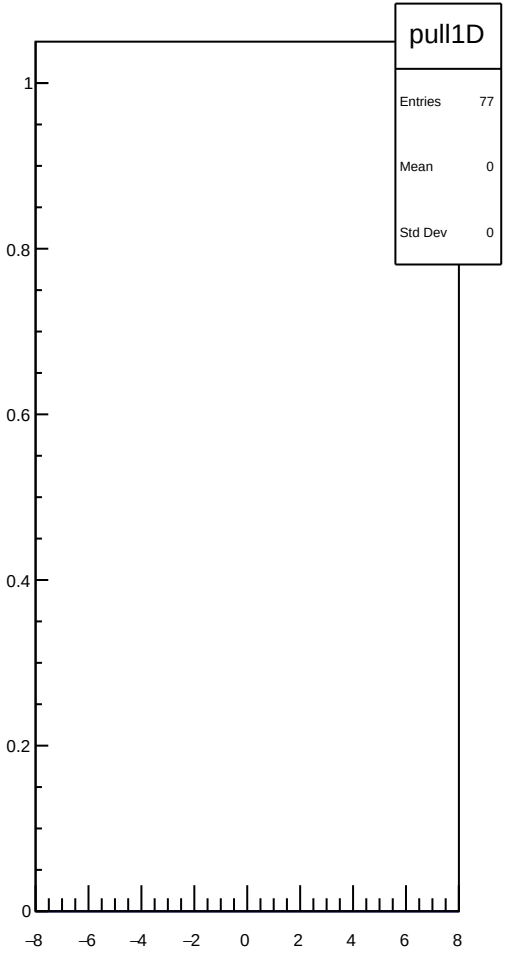


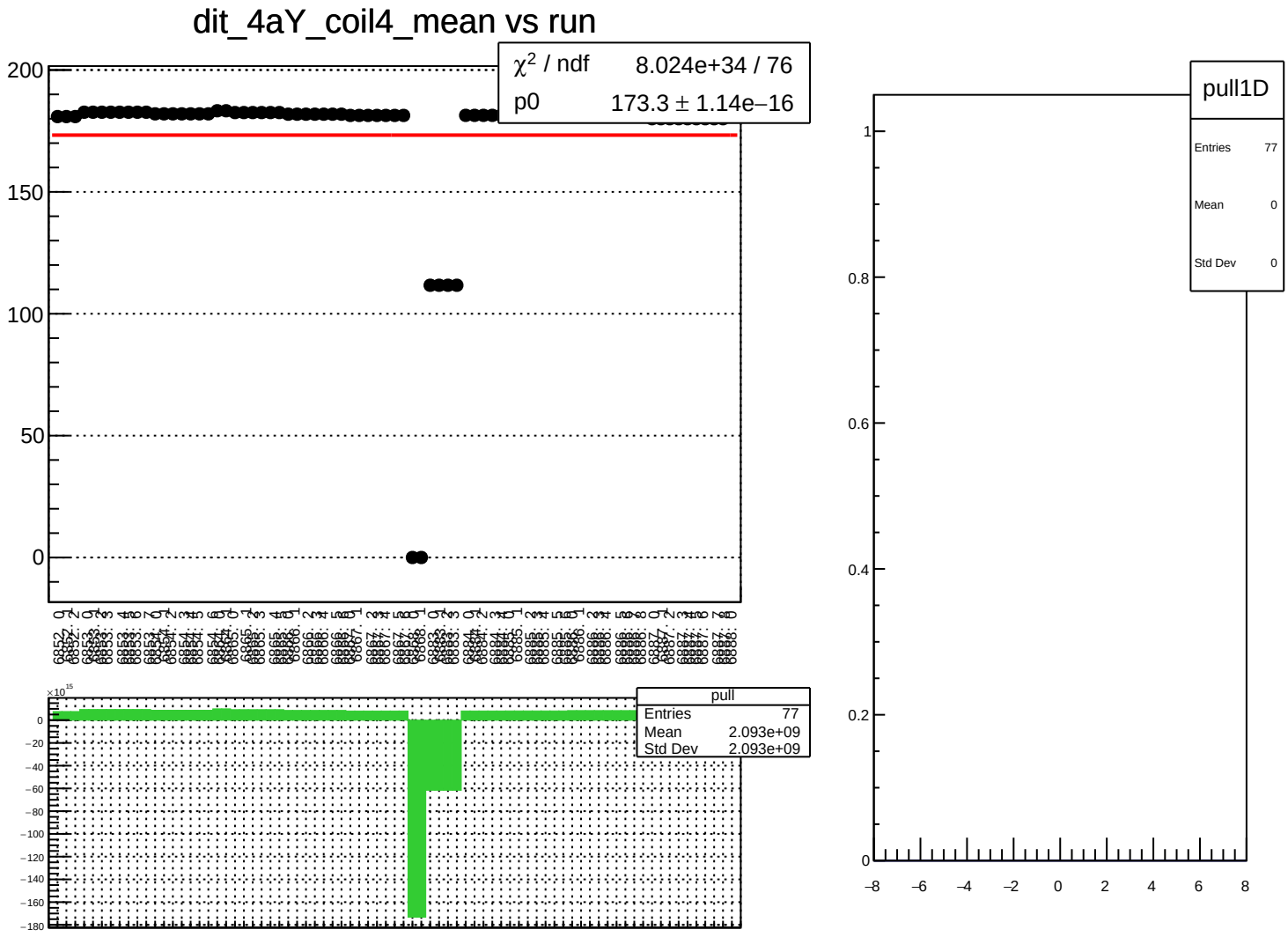



dit_11X12X_coil4_err_mean vs run
χ² / ndf 2.156e+32 / 76
p0 5.647 ± 1.14e−16
pull
Entries 77
Mean 6.244e+07
Std Dev 6.244e+07
pull1D
Entries 77
Mean 0
Std Dev 0

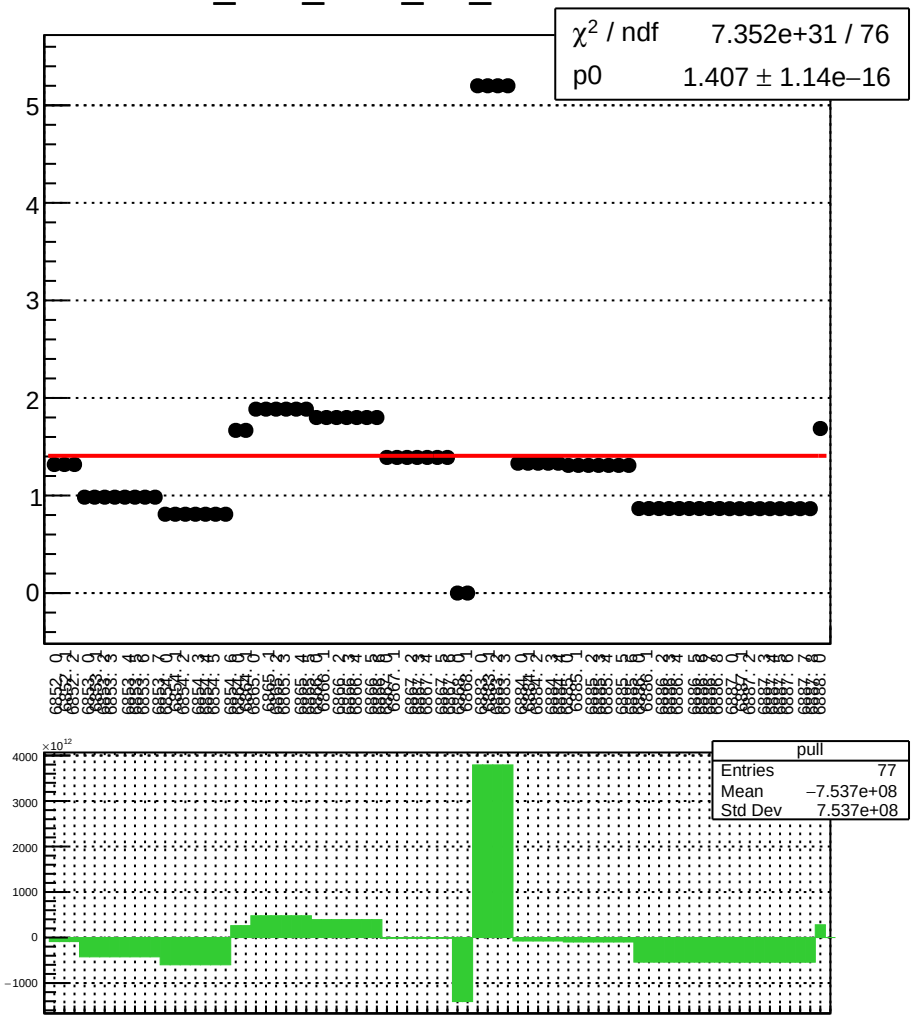
dit_11X12X_coil4_Ndata_mean vs run

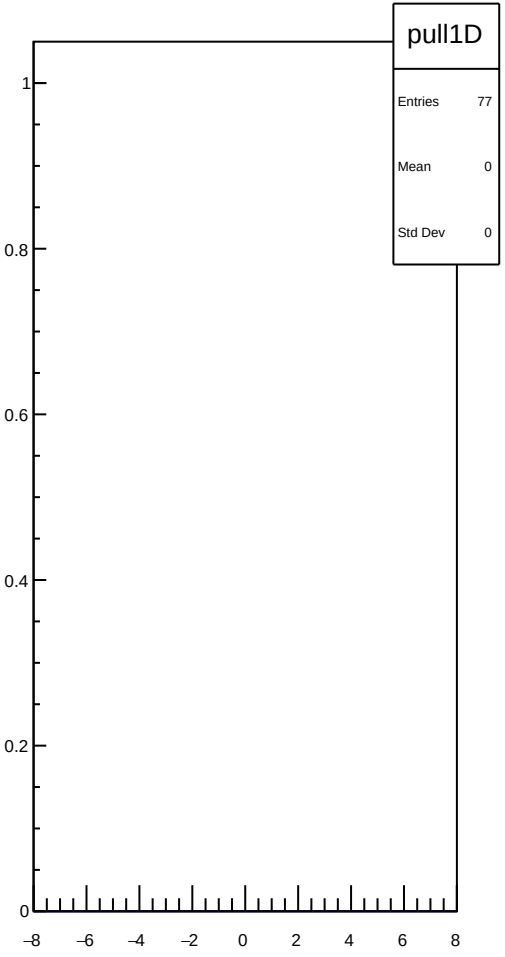


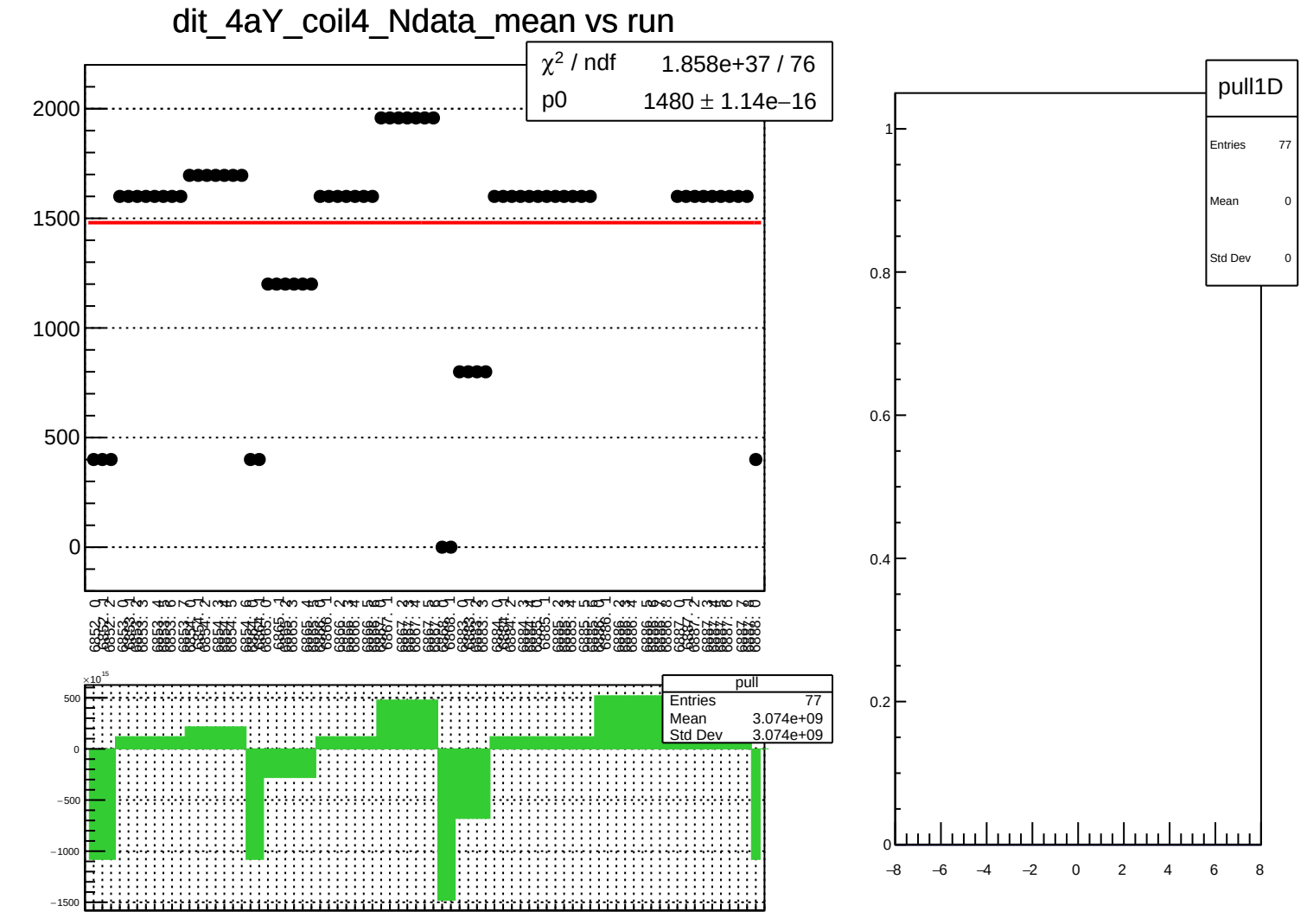


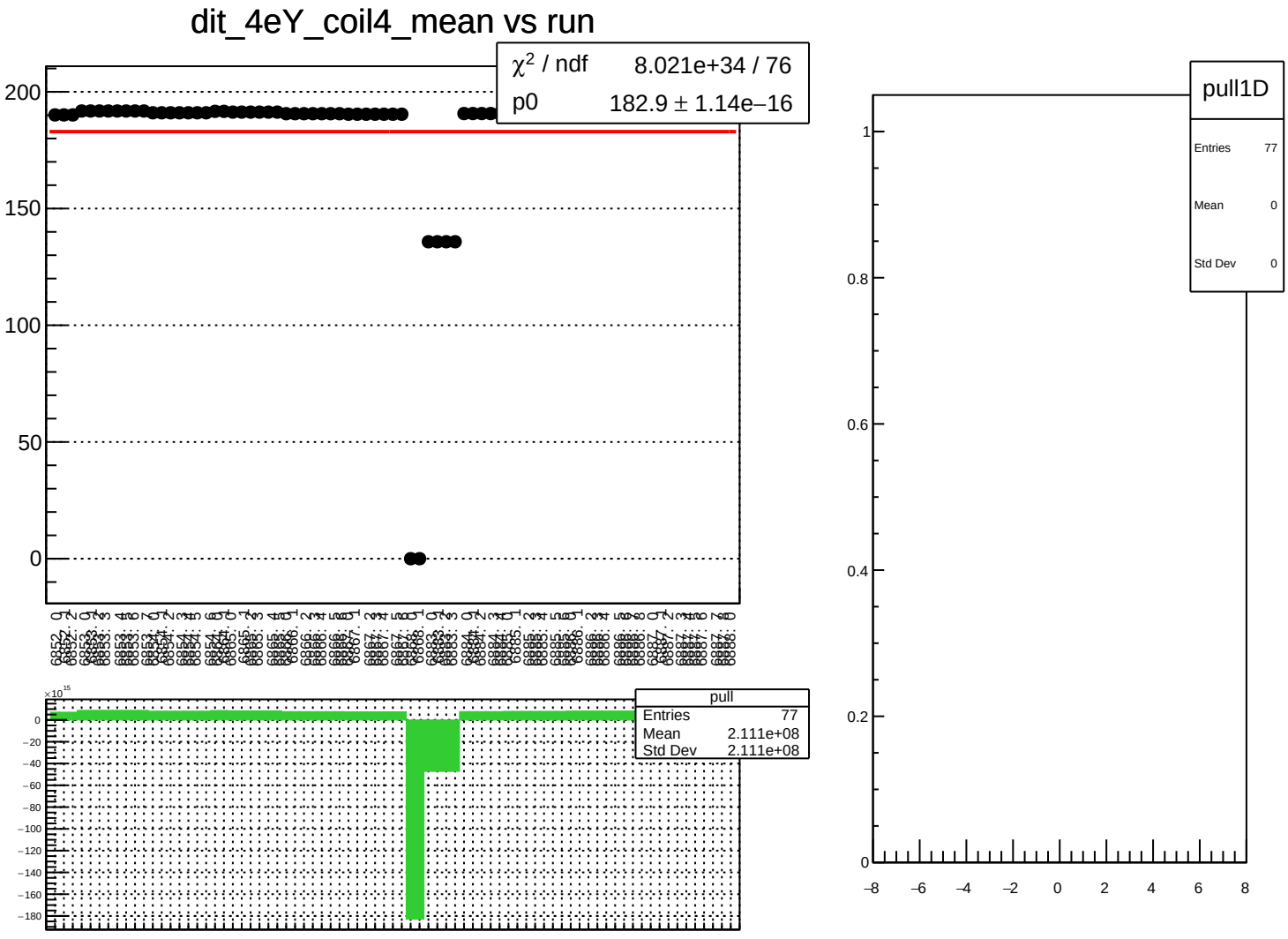

dit_4aY_coil4_mean vs run
χ² / ndf 8.024e+34 / 76
p0 173.3 ± 1.14e−16
pull
Entries 77
Mean 2.093e+09
Std Dev 2.093e+09
pull1D
Entries 77
Mean 0
Std Dev 0

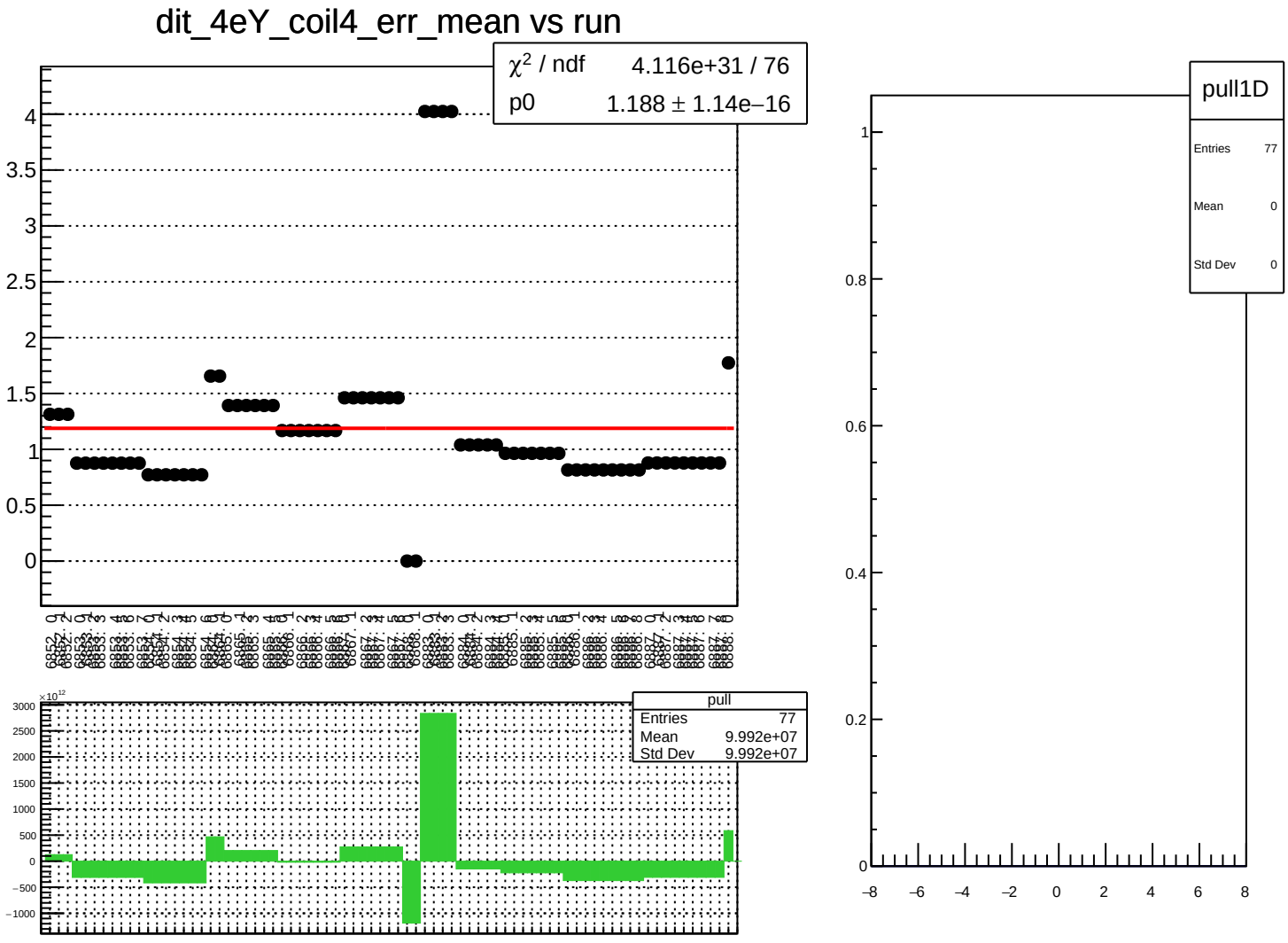
dit_4aY_coil4_err_mean vs run

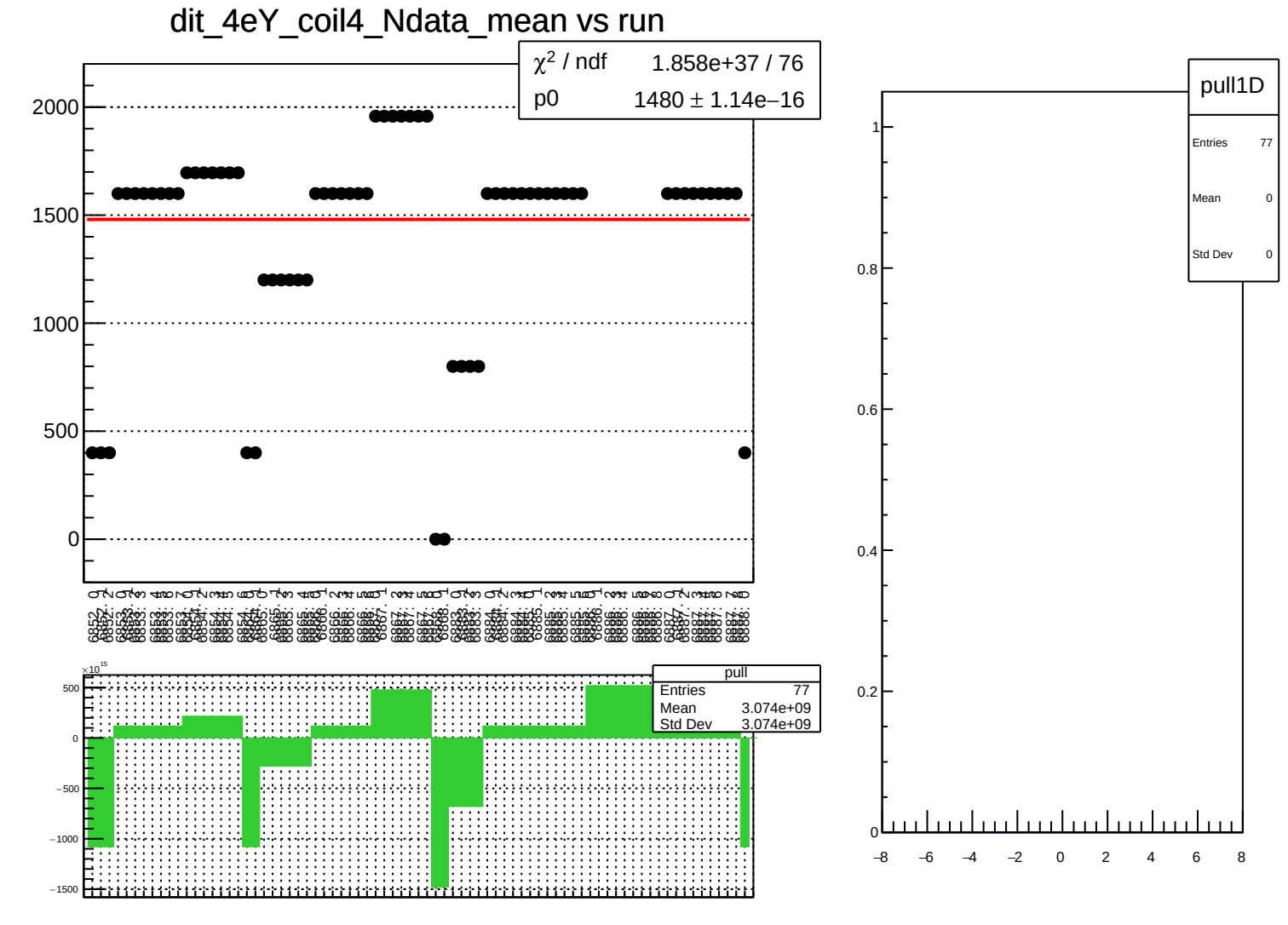


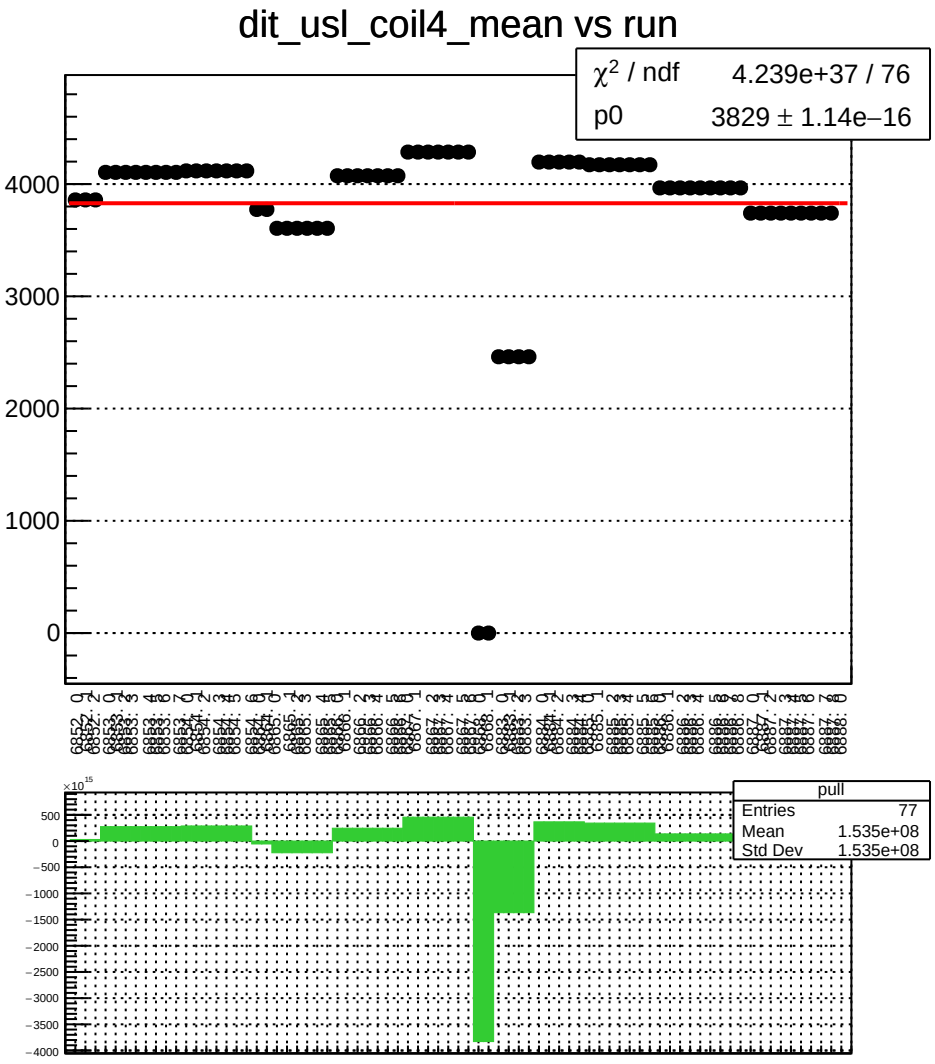


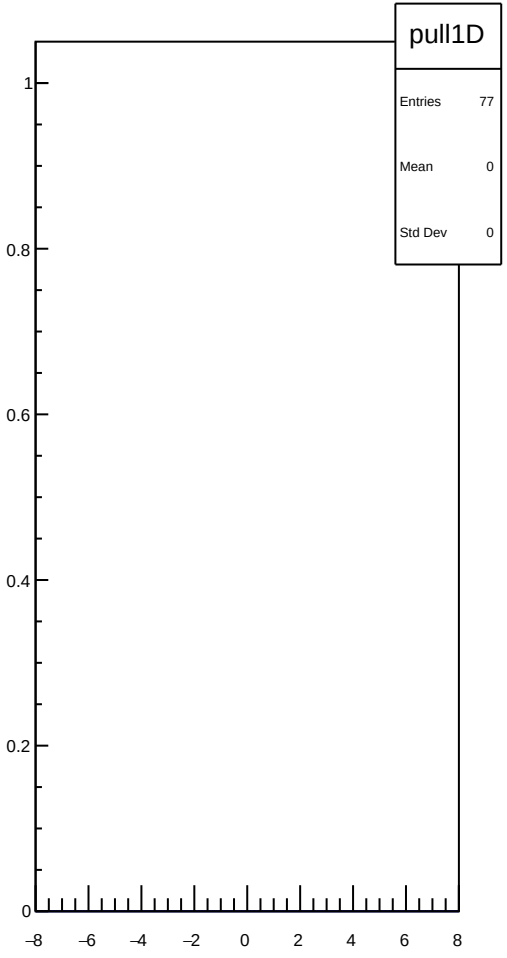

dit_4aY_coil4_Ndata_mean vs run
χ2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

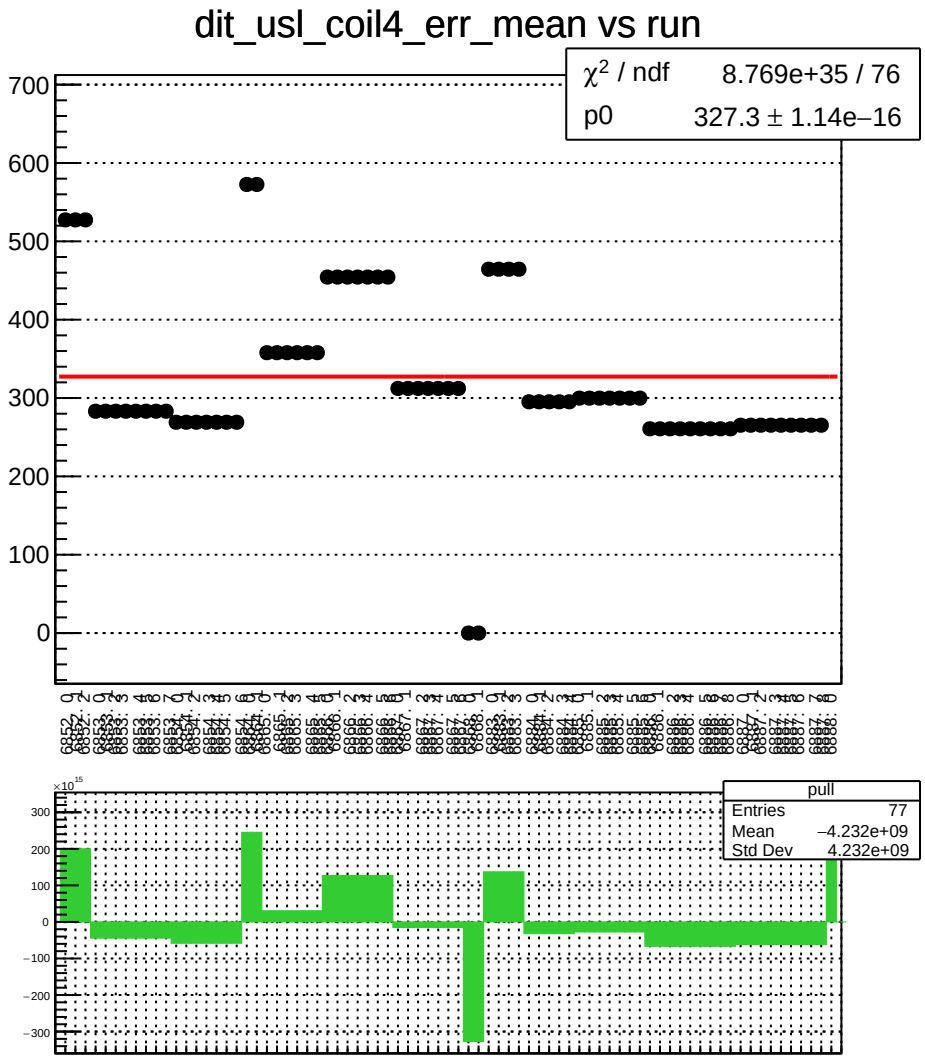

dit_4eY_coil4_mean vs run
χ² / ndf 8.021e+34 / 76
p0 182.9 ± 1.14e−16
200
150
100
50
0
pull
Entries 77
Mean 2.111e+08
Std Dev 2.111e+08
×10¹⁵
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

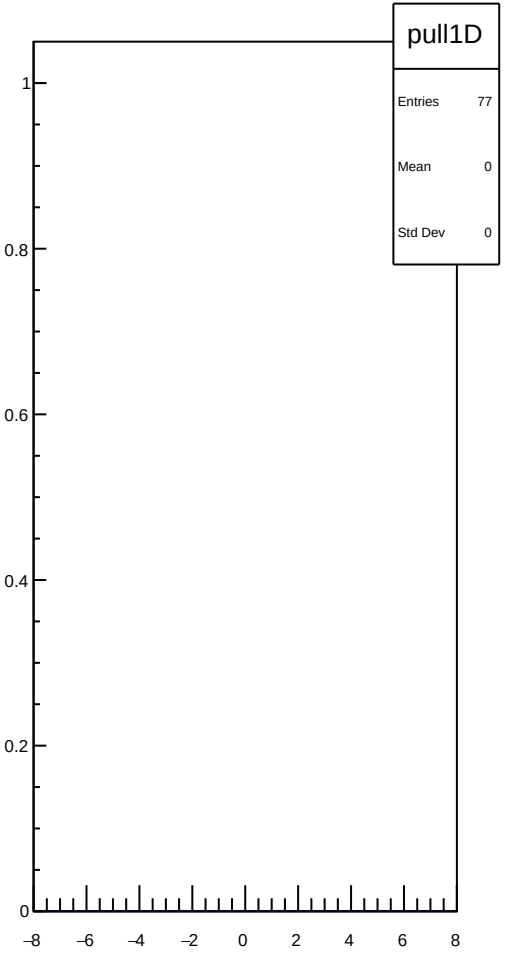

dit_4eY_coil4_err_mean vs run
χ² / ndf 4.116e+31 / 76
p0 1.188 ± 1.14e−16
pull
Entries 77
Mean 9.992e+07
Std Dev 9.992e+07
pull1D
Entries 77
Mean 0
Std Dev 0

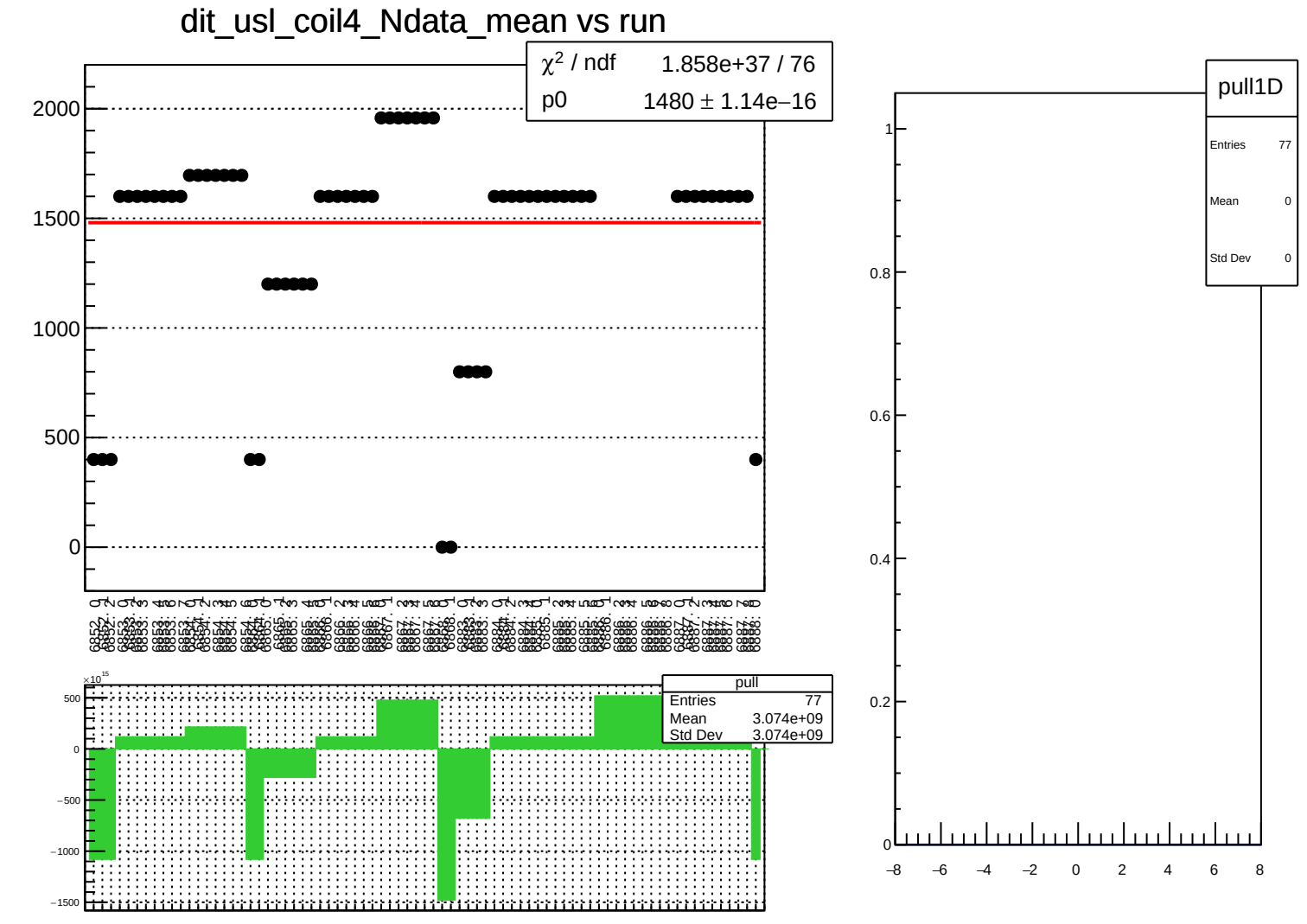

dit_4eY_coil4_Ndata_mean vs run
χ2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

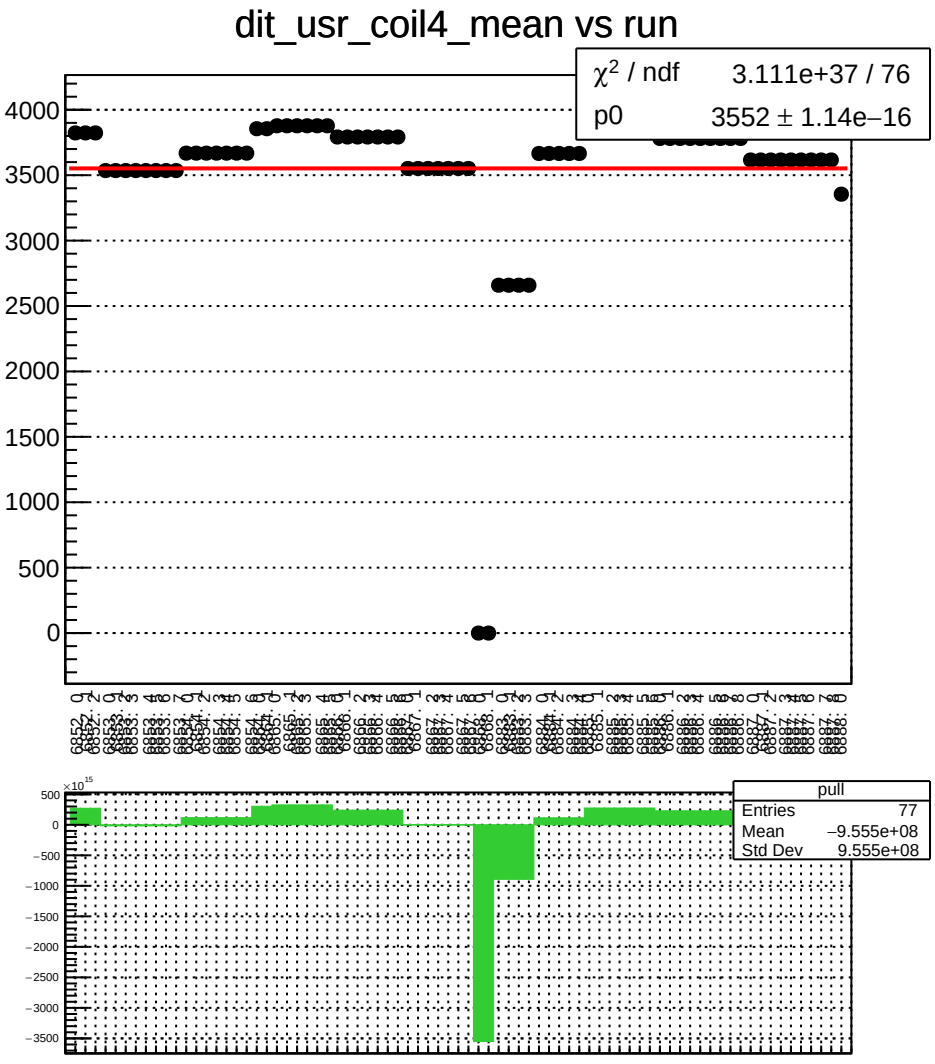

dit_usl_coil4_mean vs run
χ^2 / ndf 4.239e+37 / 76
p0 3829 ± 1.14e−16
4000
3000
2000
1000
0
pull
Entries 77
Mean 1.535e+08
Std Dev 1.535e+08
×10^15
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

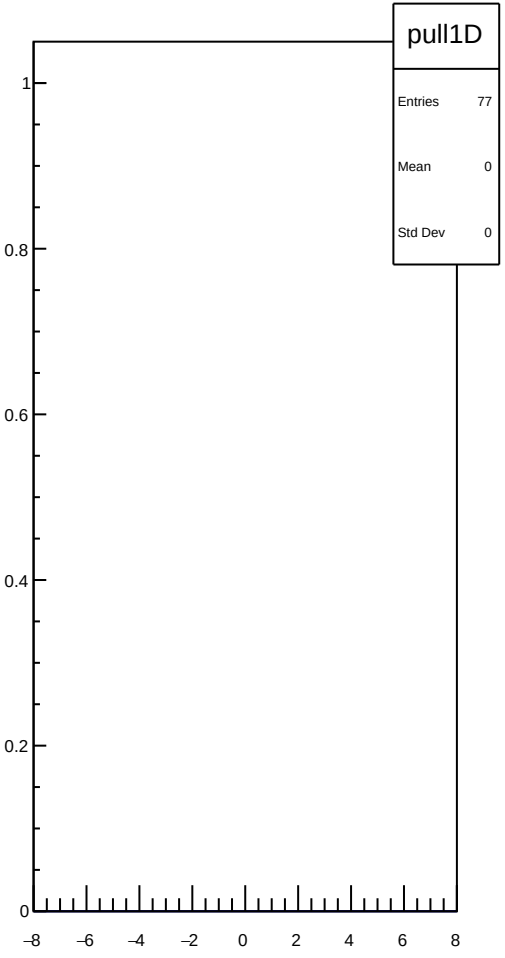

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

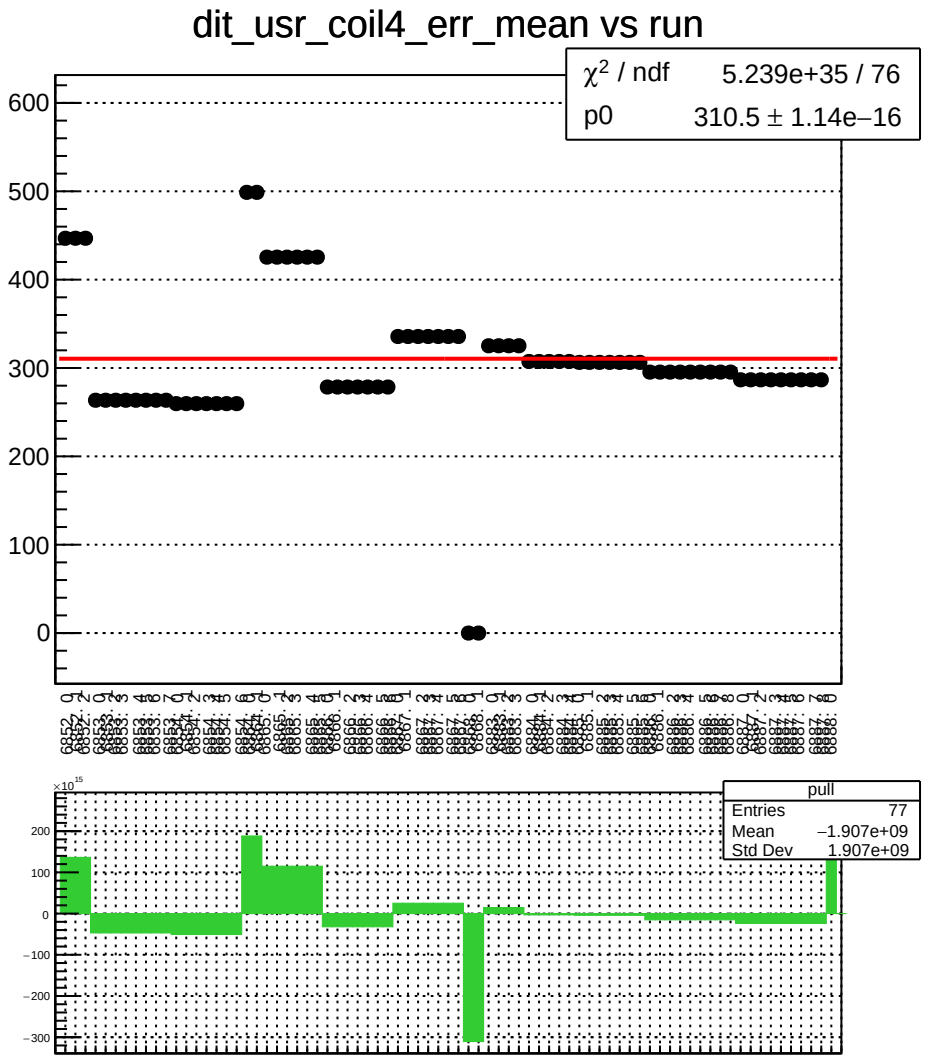

dit_usl_coil4_err_mean vs run
χ² / ndf 8.769e+35 / 76
p0 327.3 ± 1.14e−16
pull
Entries 77
Mean −4.232e+09
Std Dev 4.232e+09

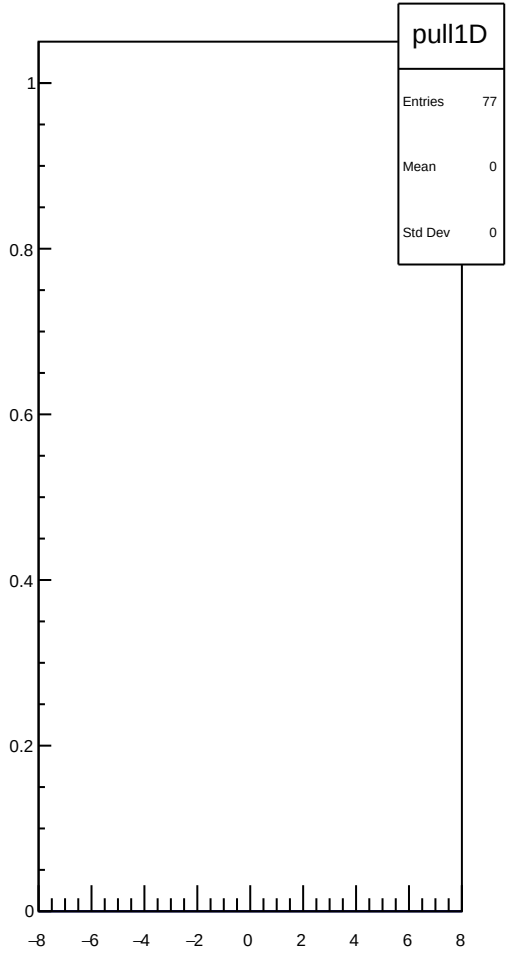

pull1D
Entries 77
Mean 0
Std Dev 0

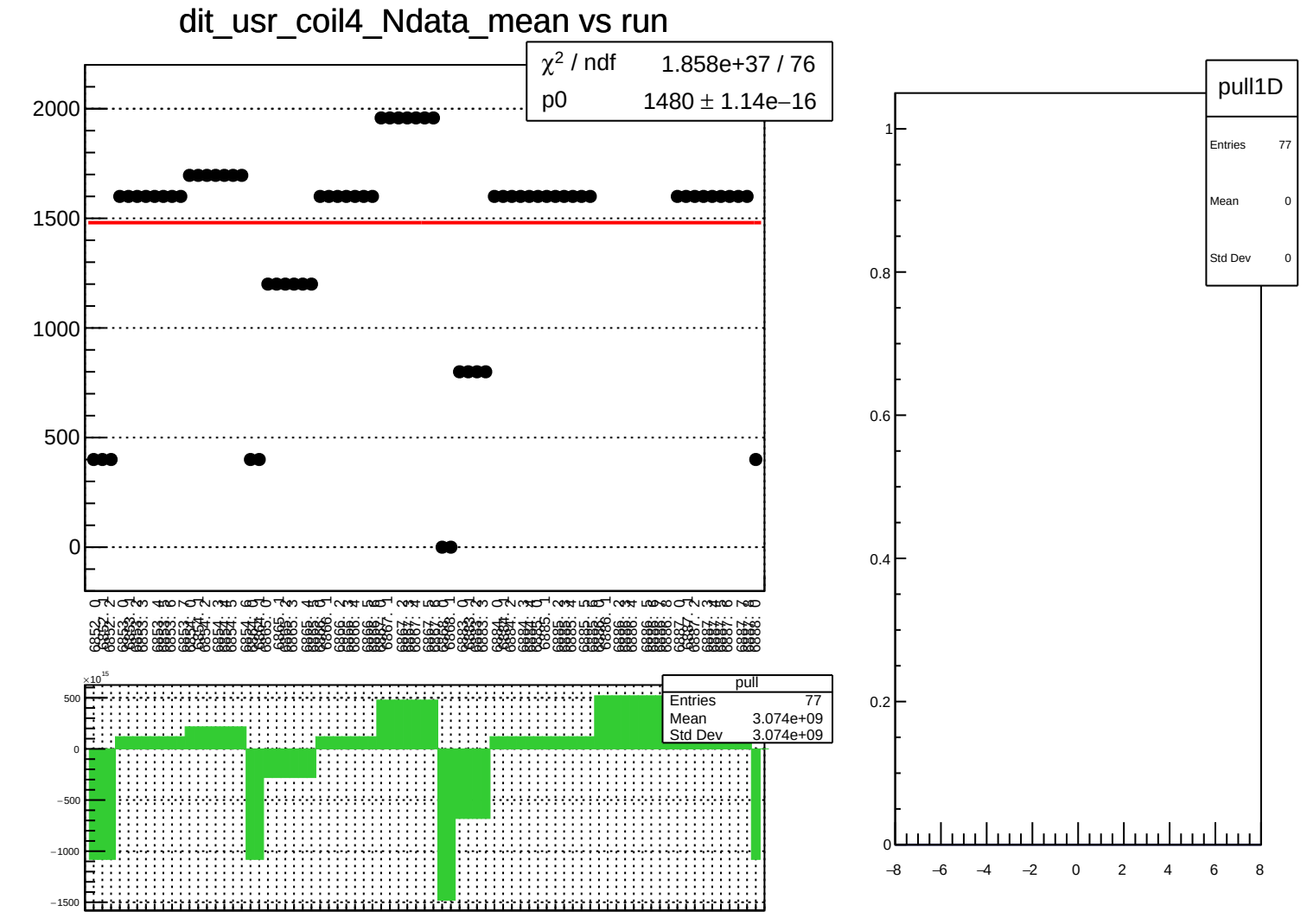

dit_usl_coil4_Ndata_mean vs run
χ^2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

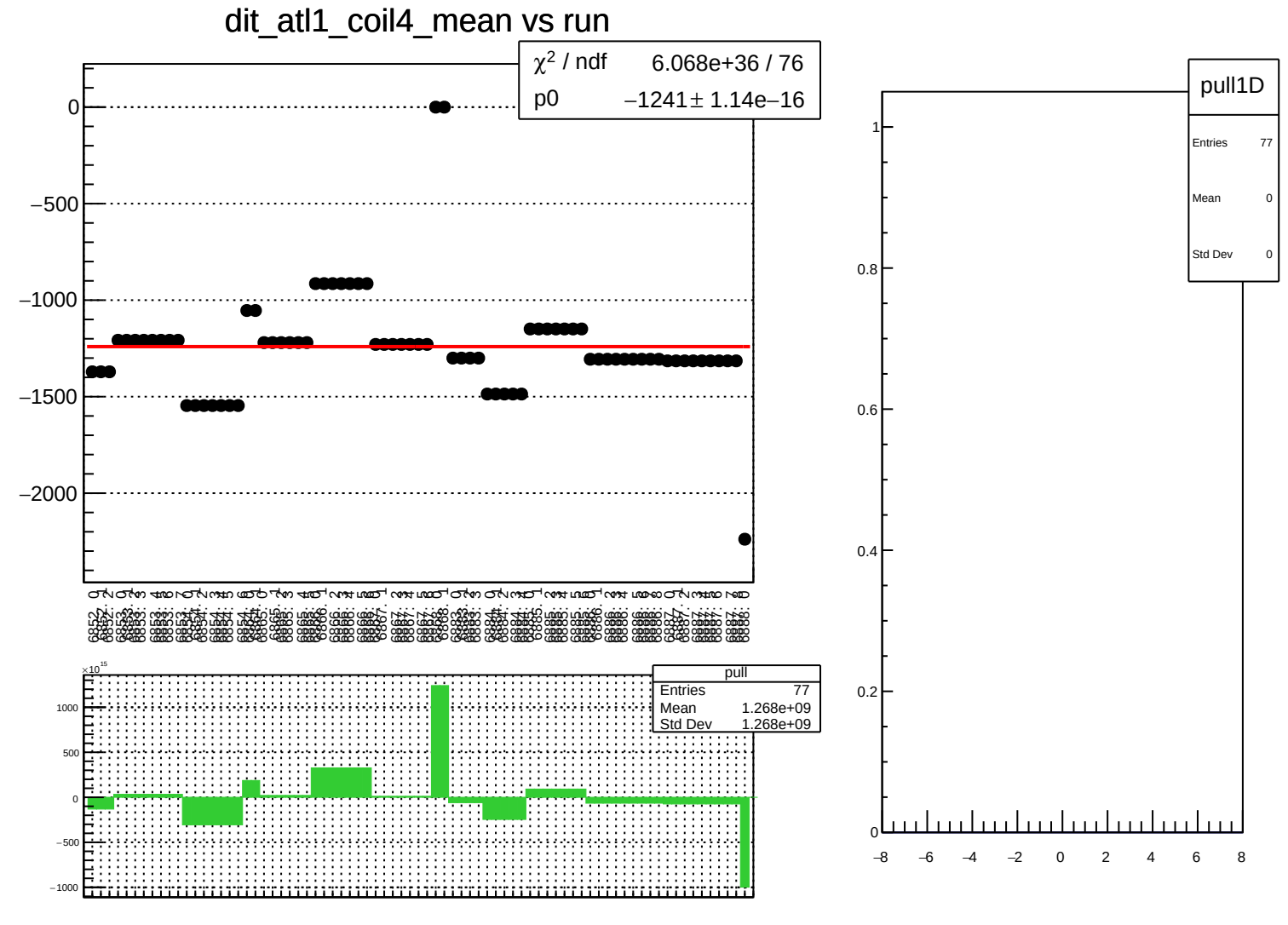

dit_usr_coil4_mean vs run
χ² / ndf 3.111e+37 / 76
p0 3552 ± 1.14e−16
pull
Entries 77
Mean −9.555e+08
Std Dev 9.555e+08

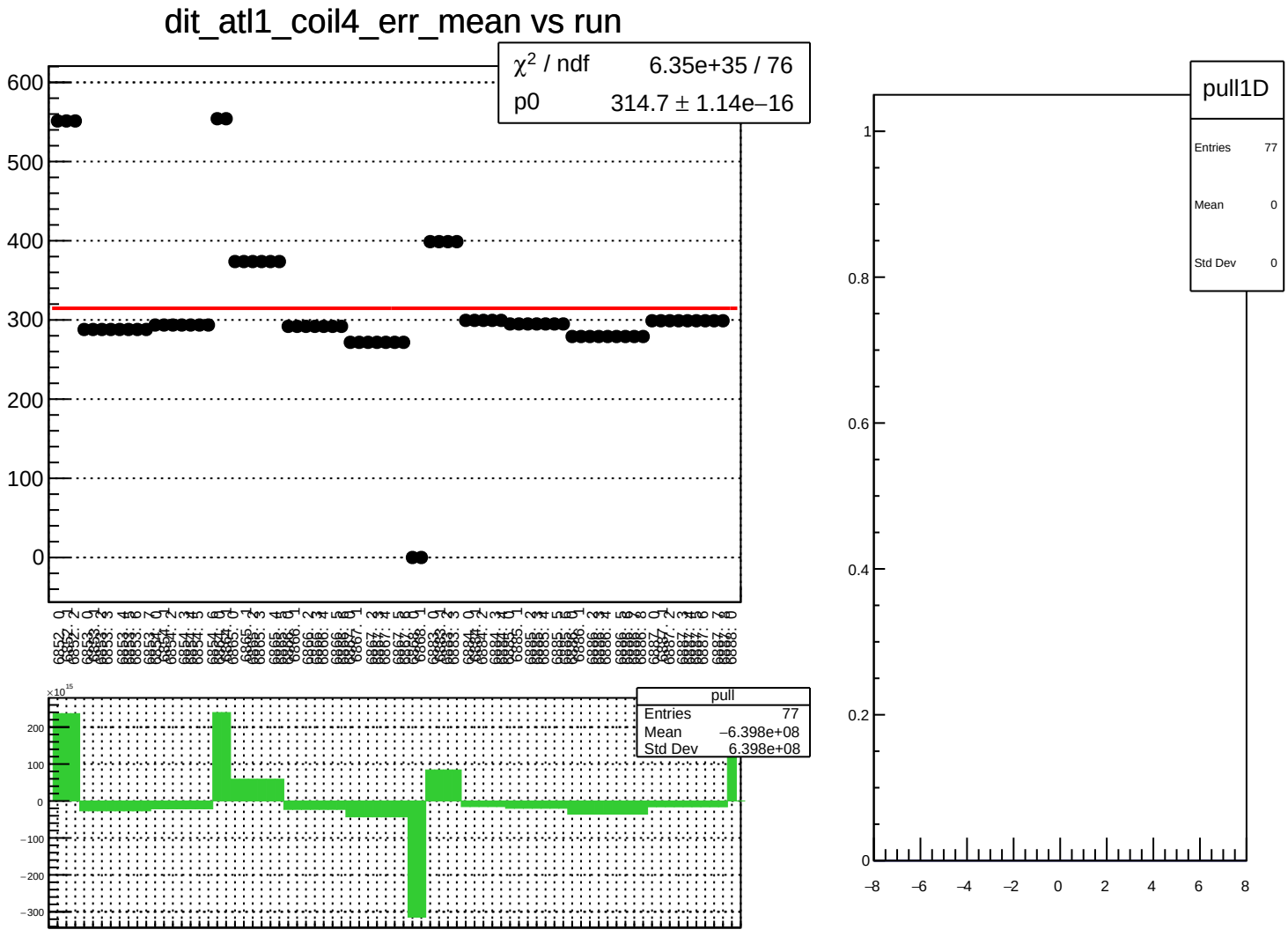

pull1D
Entries 77
Mean 0
Std Dev 0

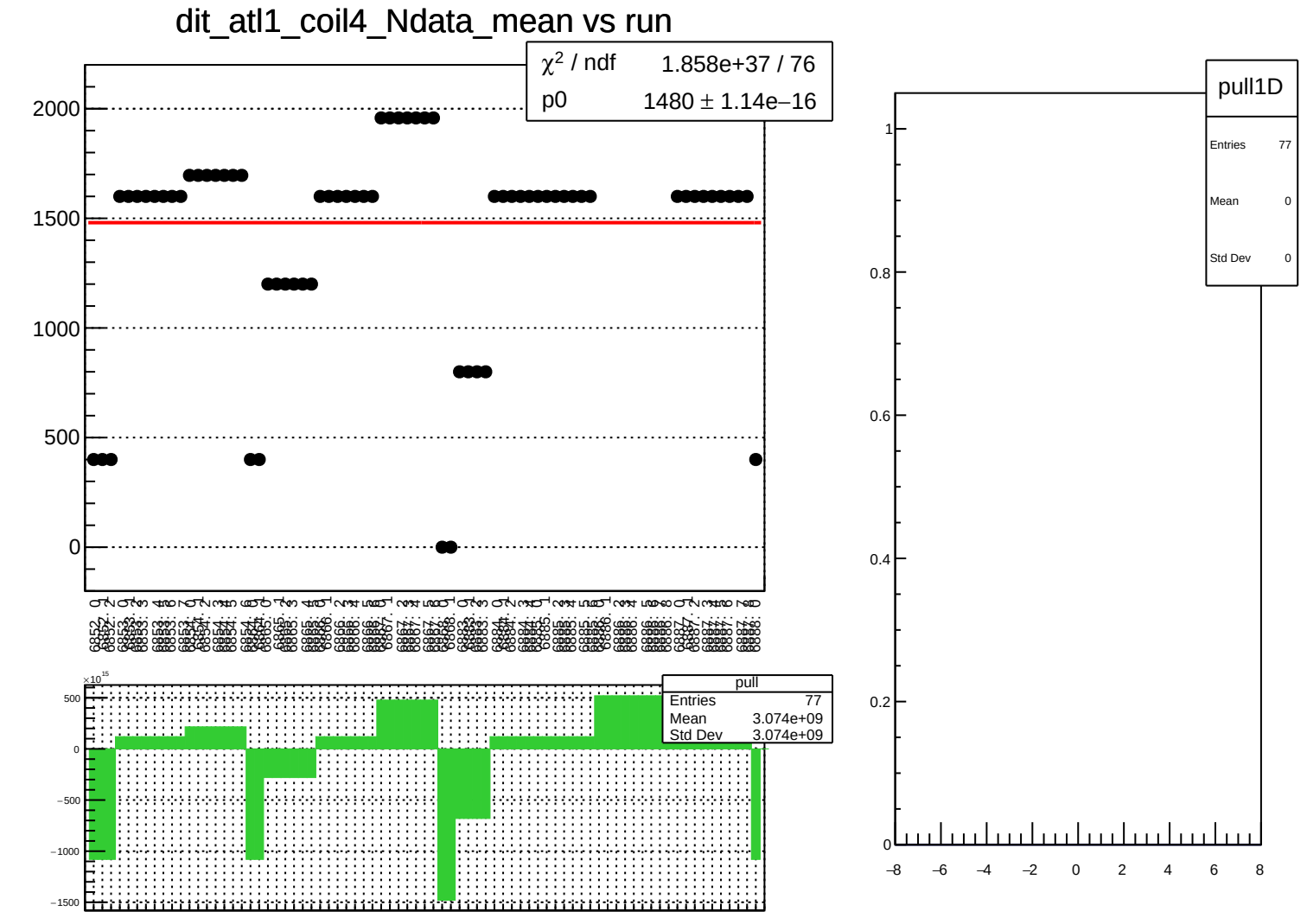

dit_usr_coil4_err_mean vs run
χ² / ndf 5.239e+35 / 76
p0 310.5 ± 1.14e−16
600
500
400
300
200
100
0
pull
Entries 77
Mean −1.907e+09
Std Dev 1.907e+09
×10¹⁵
200
100
0
−100
−200
−300

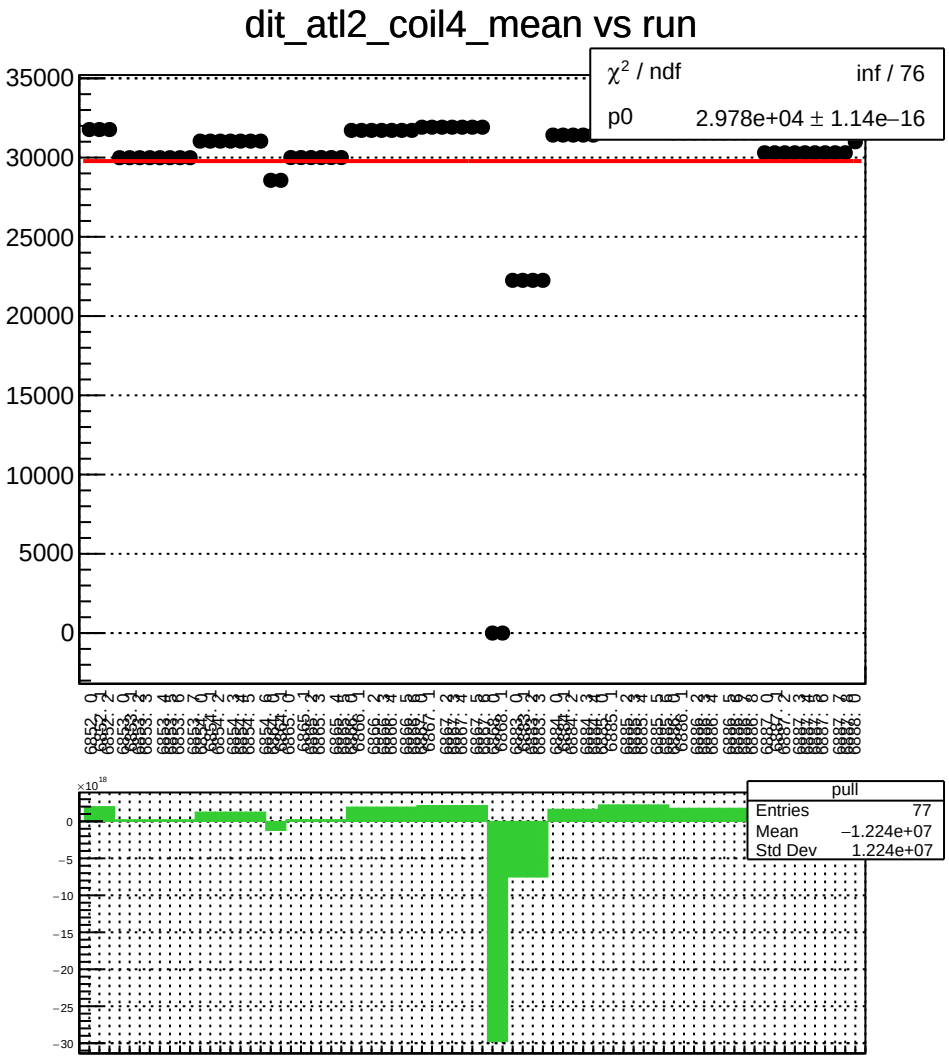

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

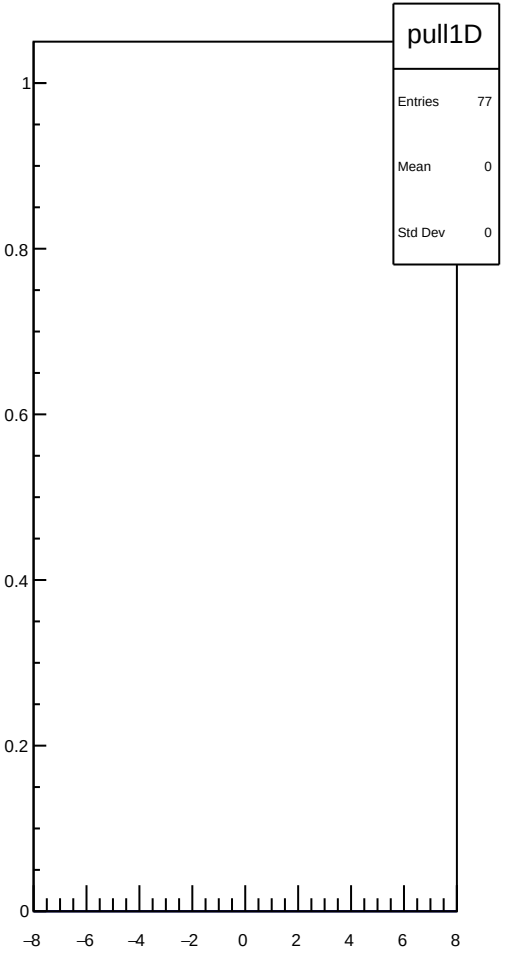

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
×10¹⁵
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil4_mean vs run
χ² / ndf 6.068e+36 / 76
p0 −1241 ± 1.14e−16
0
−500
−1000
−1500
−2000
pull
Entries 77
Mean 1.268e+09
Std Dev 1.268e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

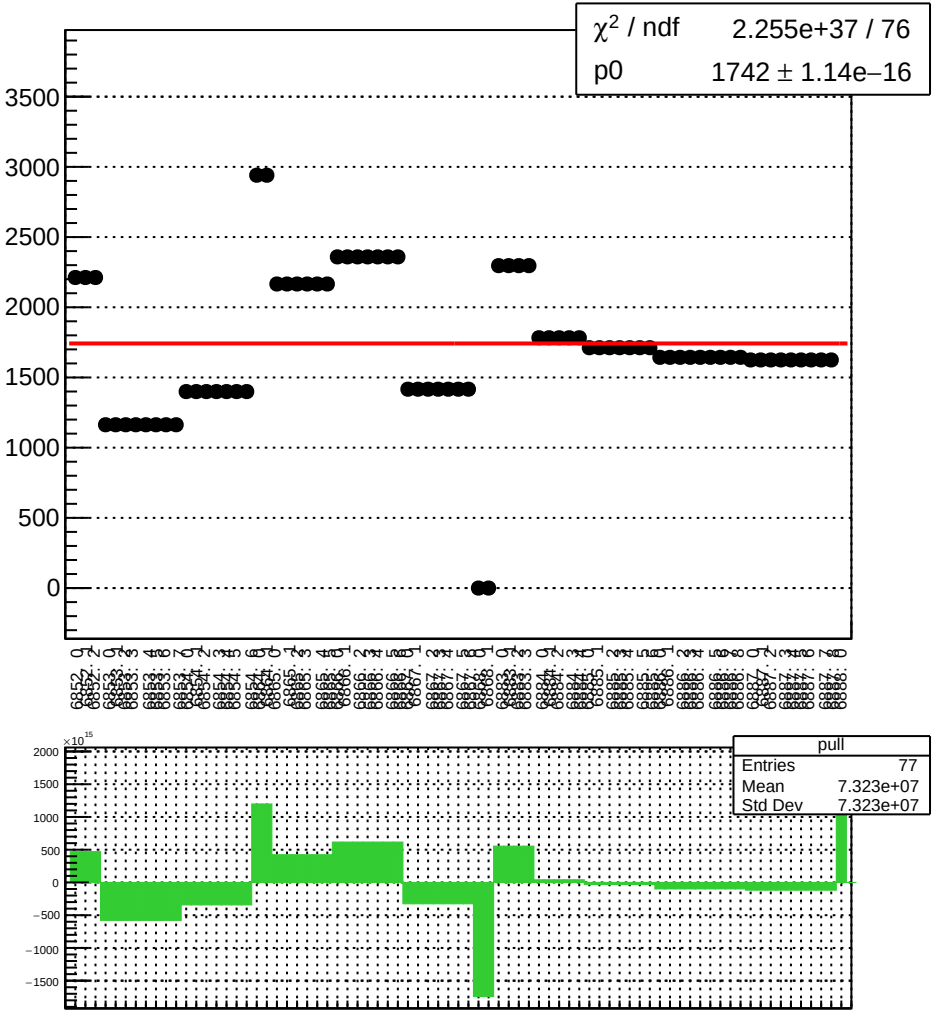

dit_atl1_coil4_err_mean vs run
χ² / ndf 6.35e+35 / 76
p0 314.7 ± 1.14e−16
pull
Entries 77
Mean −6.398e+08
Std Dev 6.398e+08
pull1D
Entries 77
Mean 0
Std Dev 0

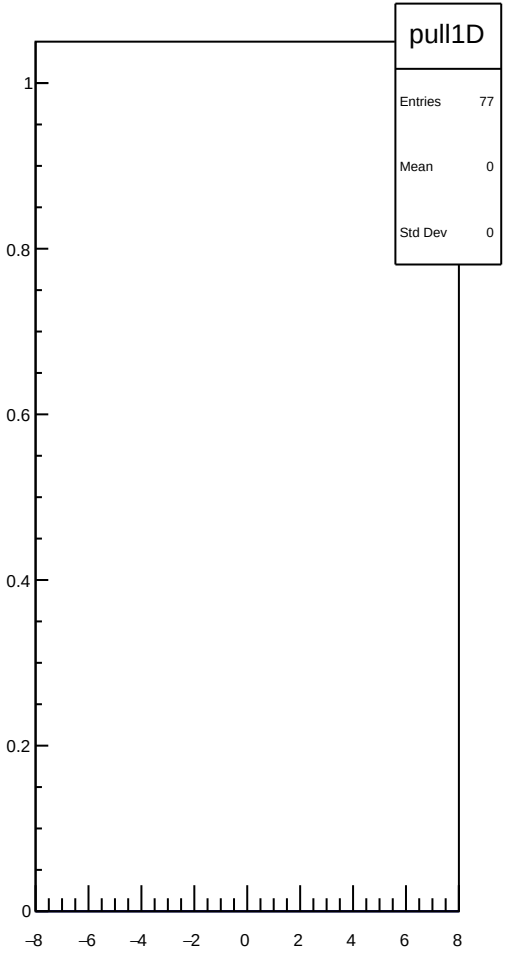

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

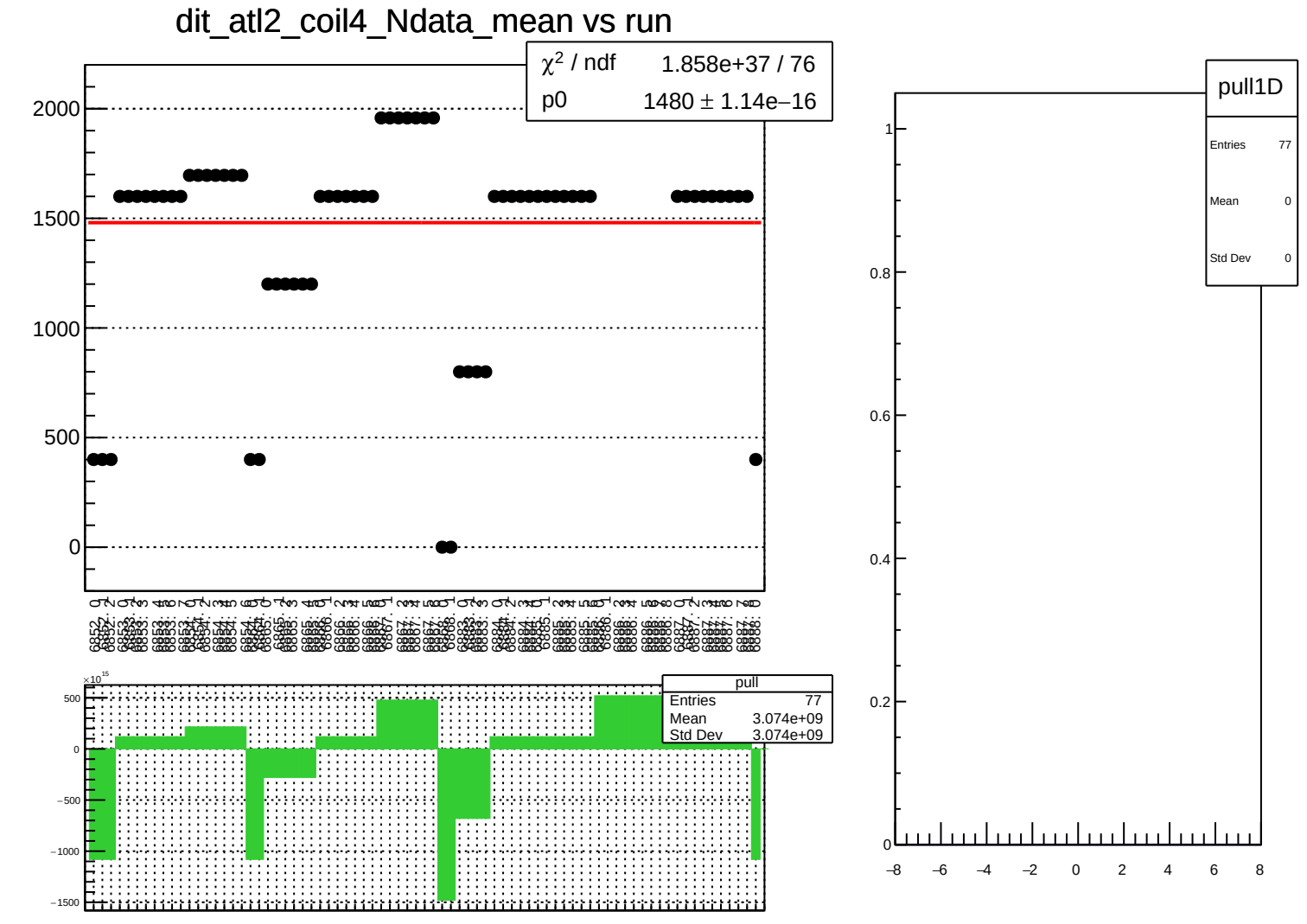

dit_atl2_coil4_mean vs run
χ² / ndf inf / 76
p0 2.978e+04 ± 1.14e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 77
Mean −1.224e+07
Std Dev 1.224e+07
×10¹⁸
0
−5
−10
−15
−20
−25
−30

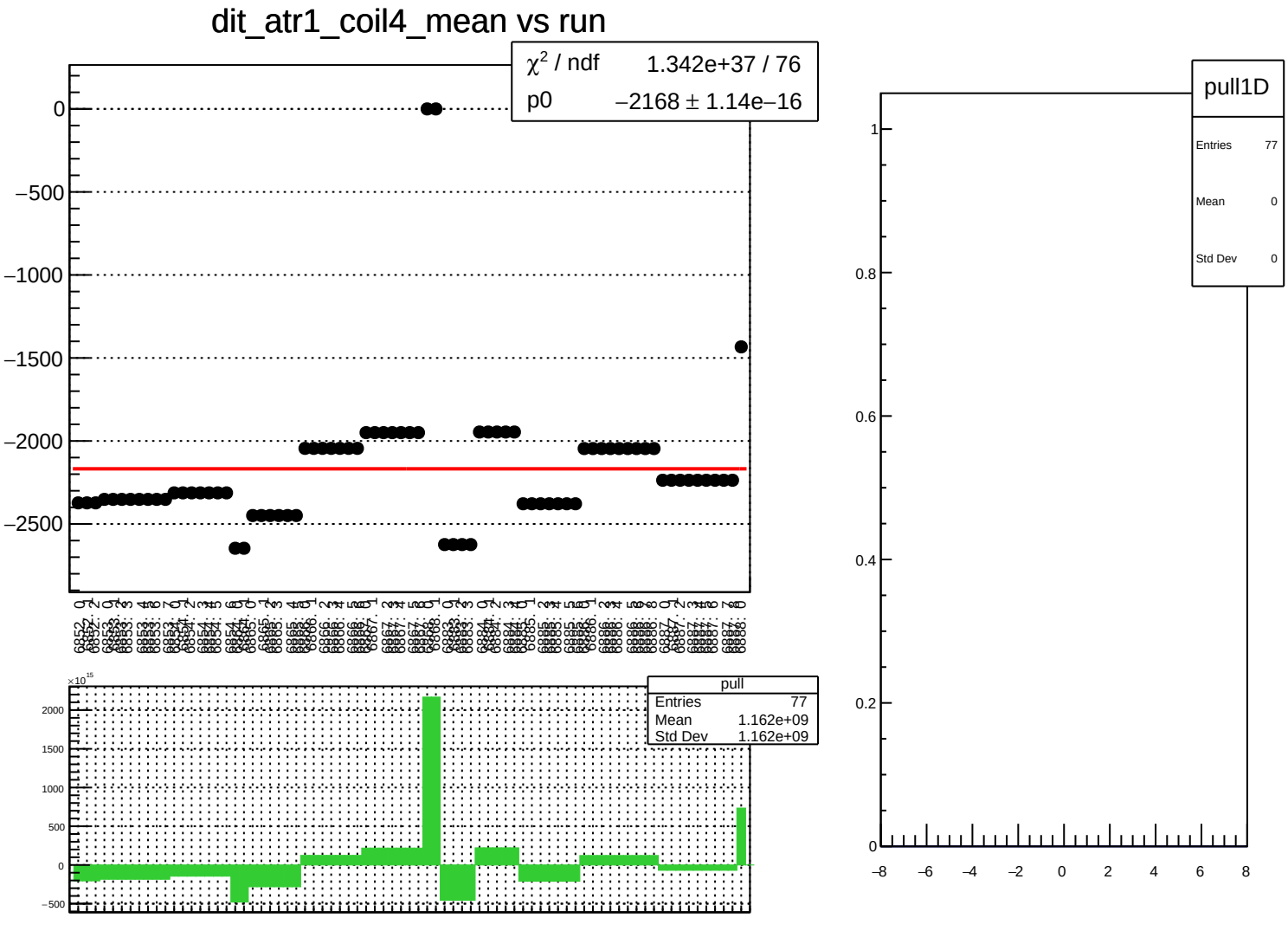

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

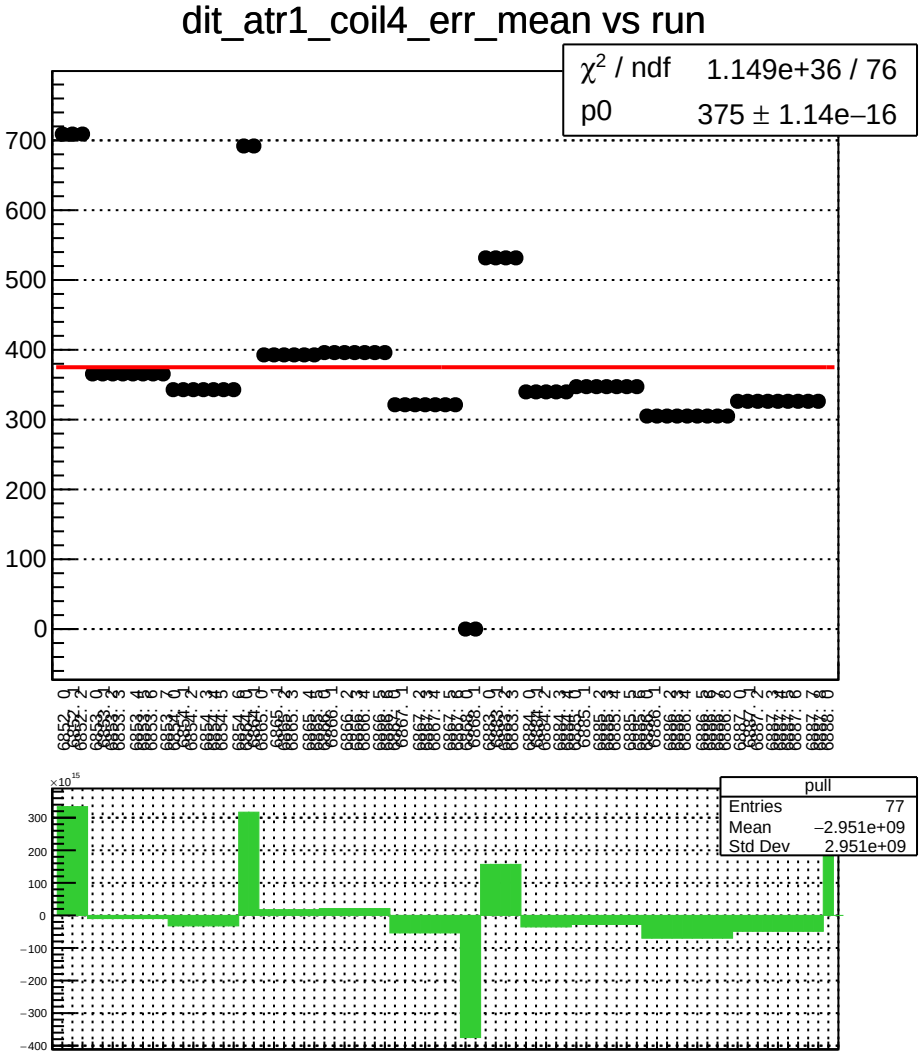
dit_atl2_coil4_err_mean vs run

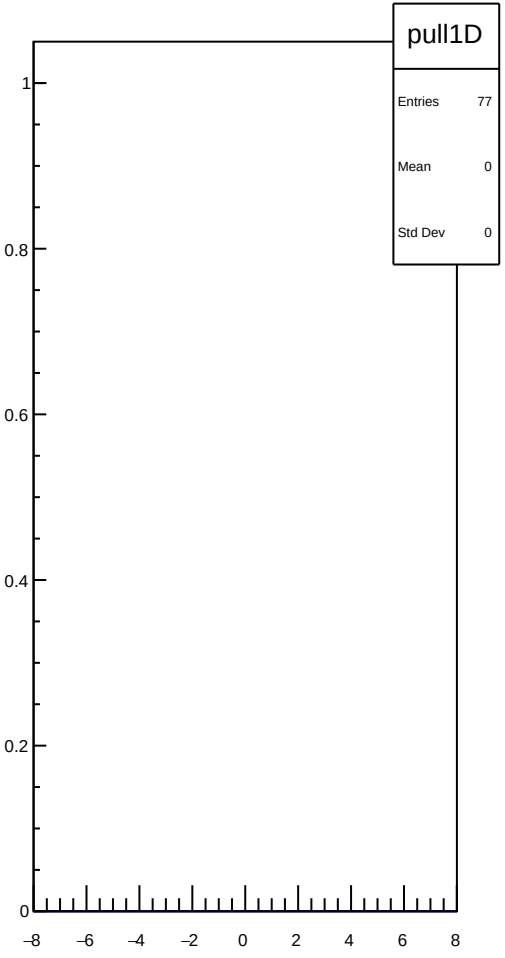


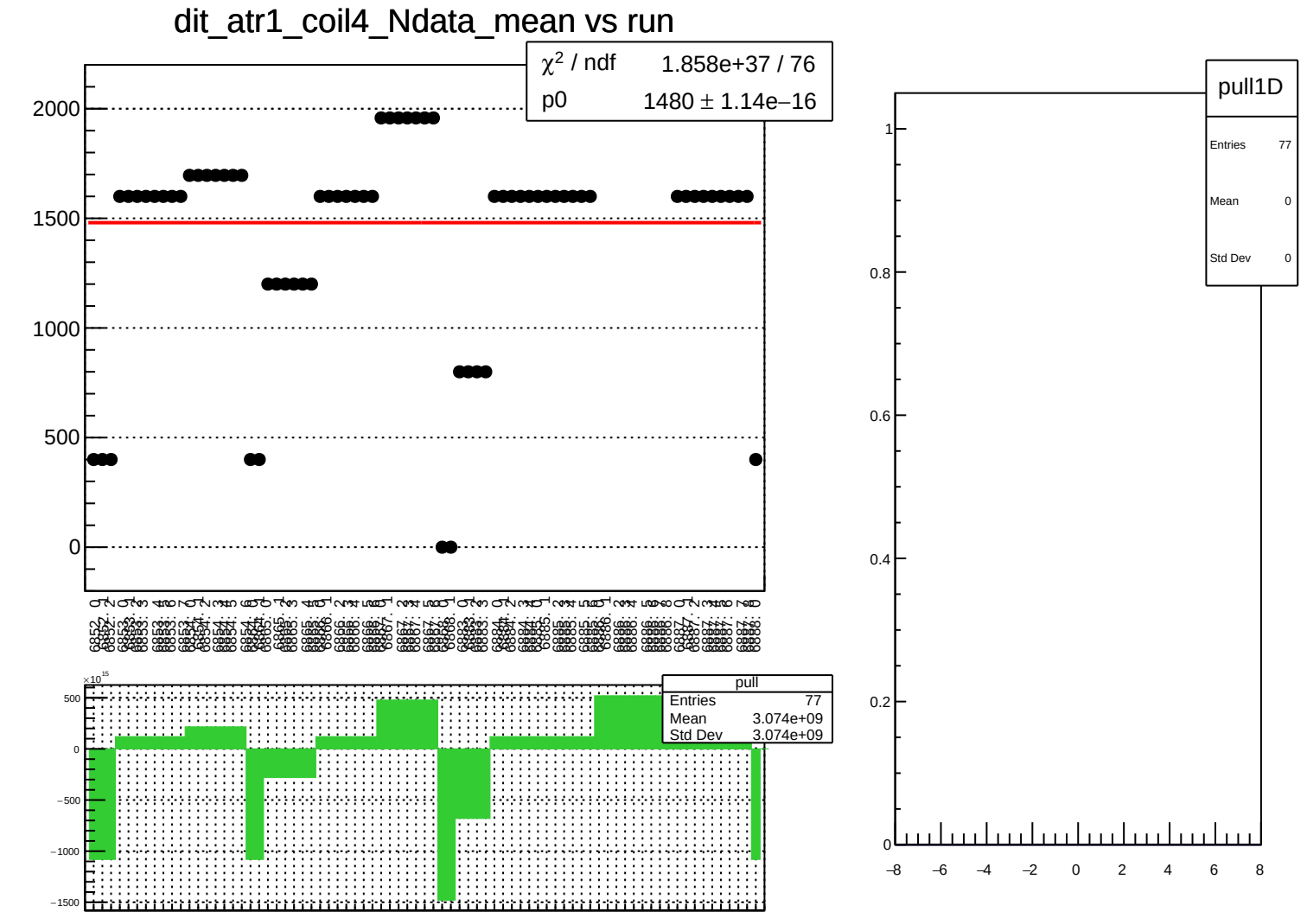


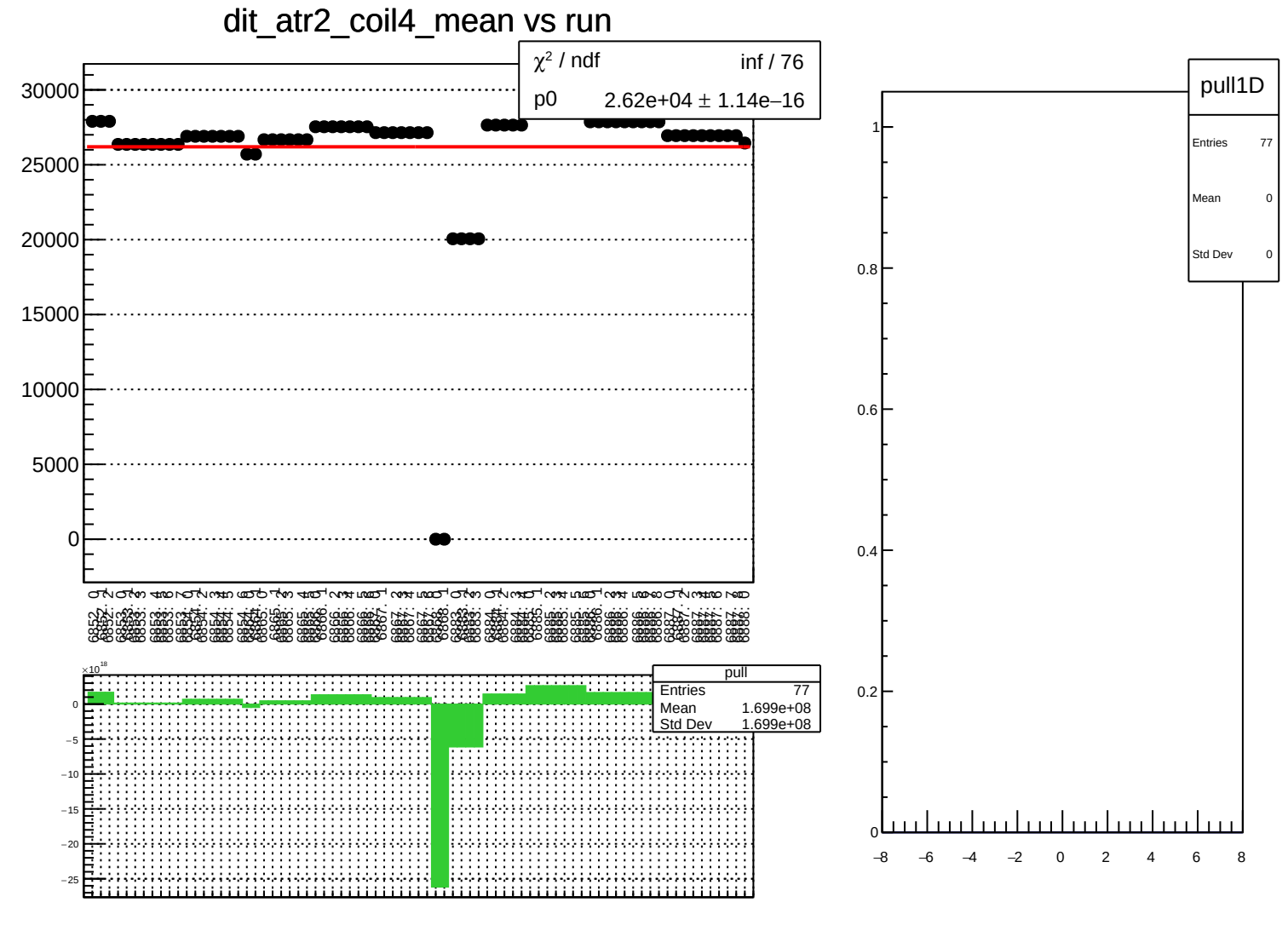

dit_atl2_coil4_Ndata_mean vs run
χ^2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil4_mean vs run
χ² / ndf 1.342e+37 / 76
p0 −2168 ± 1.14e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 77
Mean 1.162e+09
Std Dev 1.162e+09
×10¹⁵
2000
1500
1000
500
0
−500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

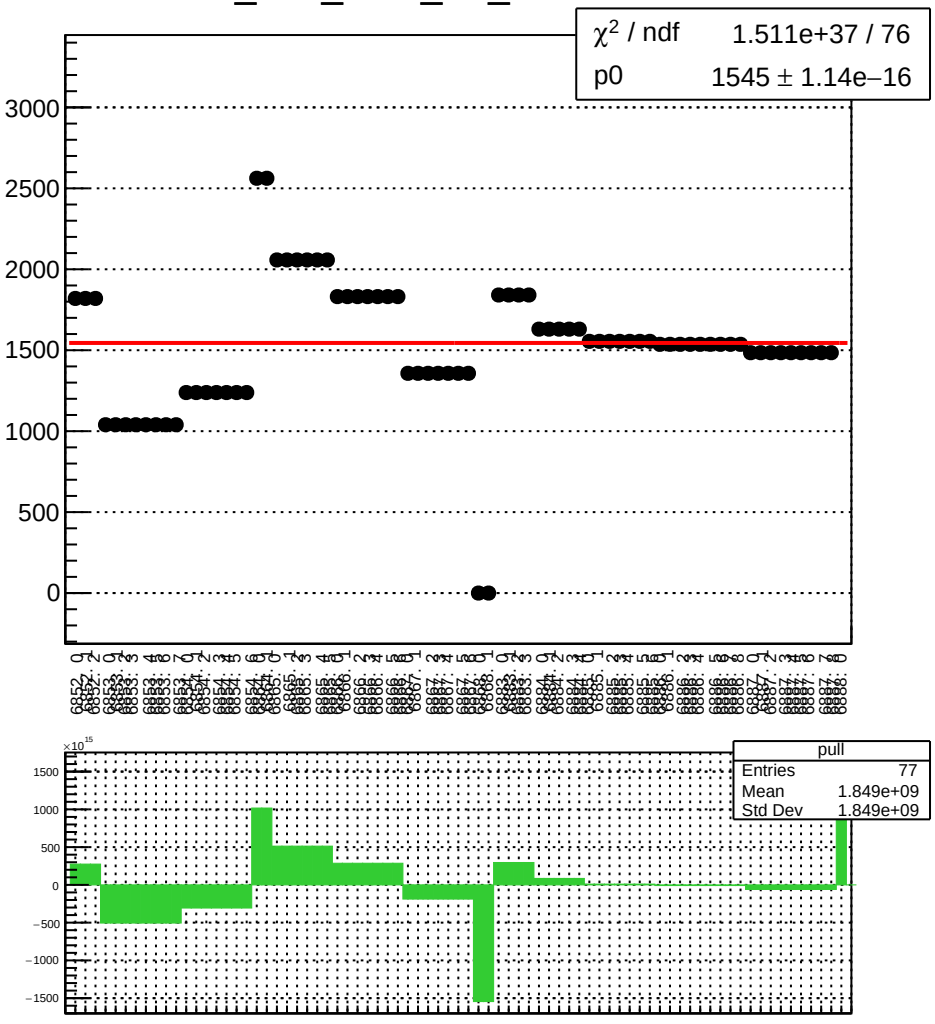

dit_atr1_coil4_err_mean vs run
χ² / ndf 1.149e+36 / 76
p0 375 ± 1.14e−16
pull
Entries 77
Mean −2.951e+09
Std Dev 2.951e+09

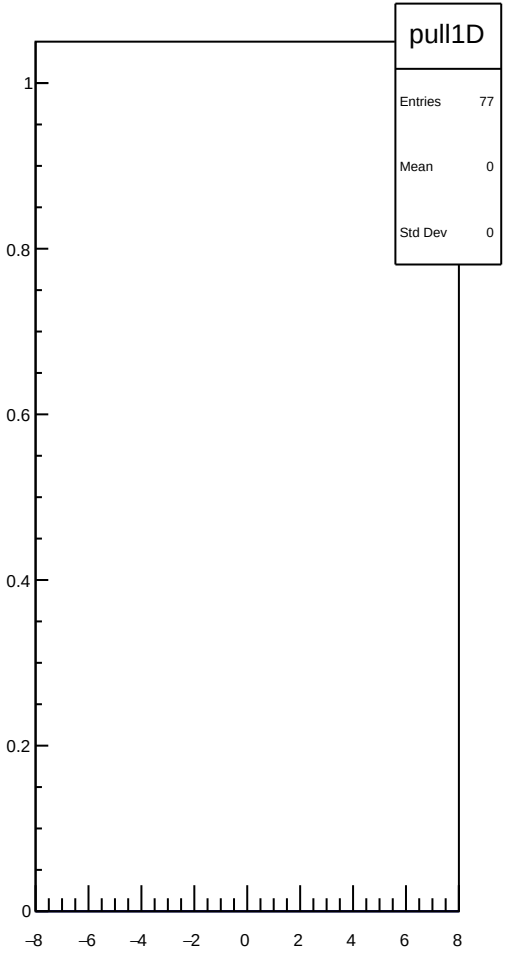

pull1D
Entries 77
Mean 0
Std Dev 0

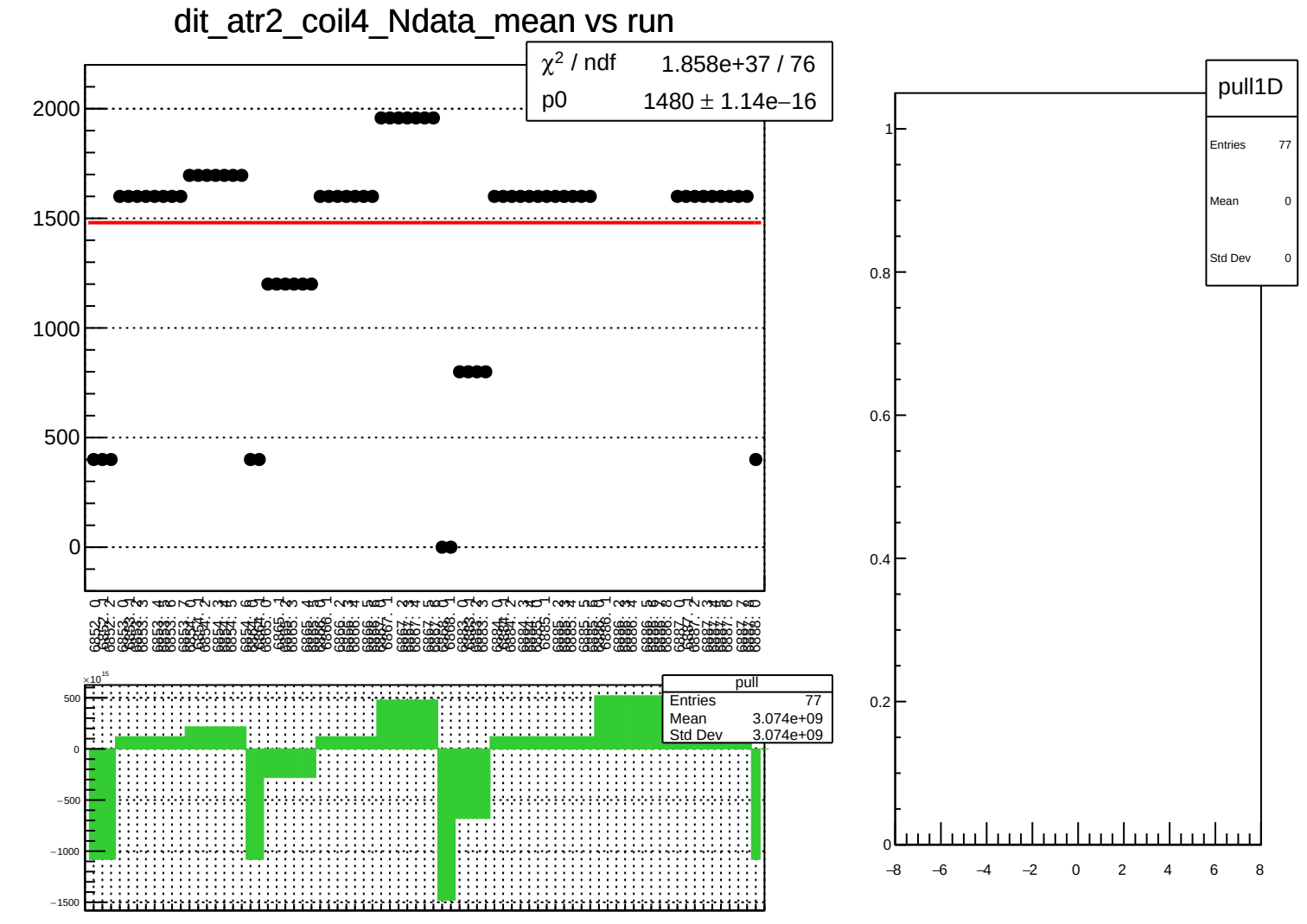

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

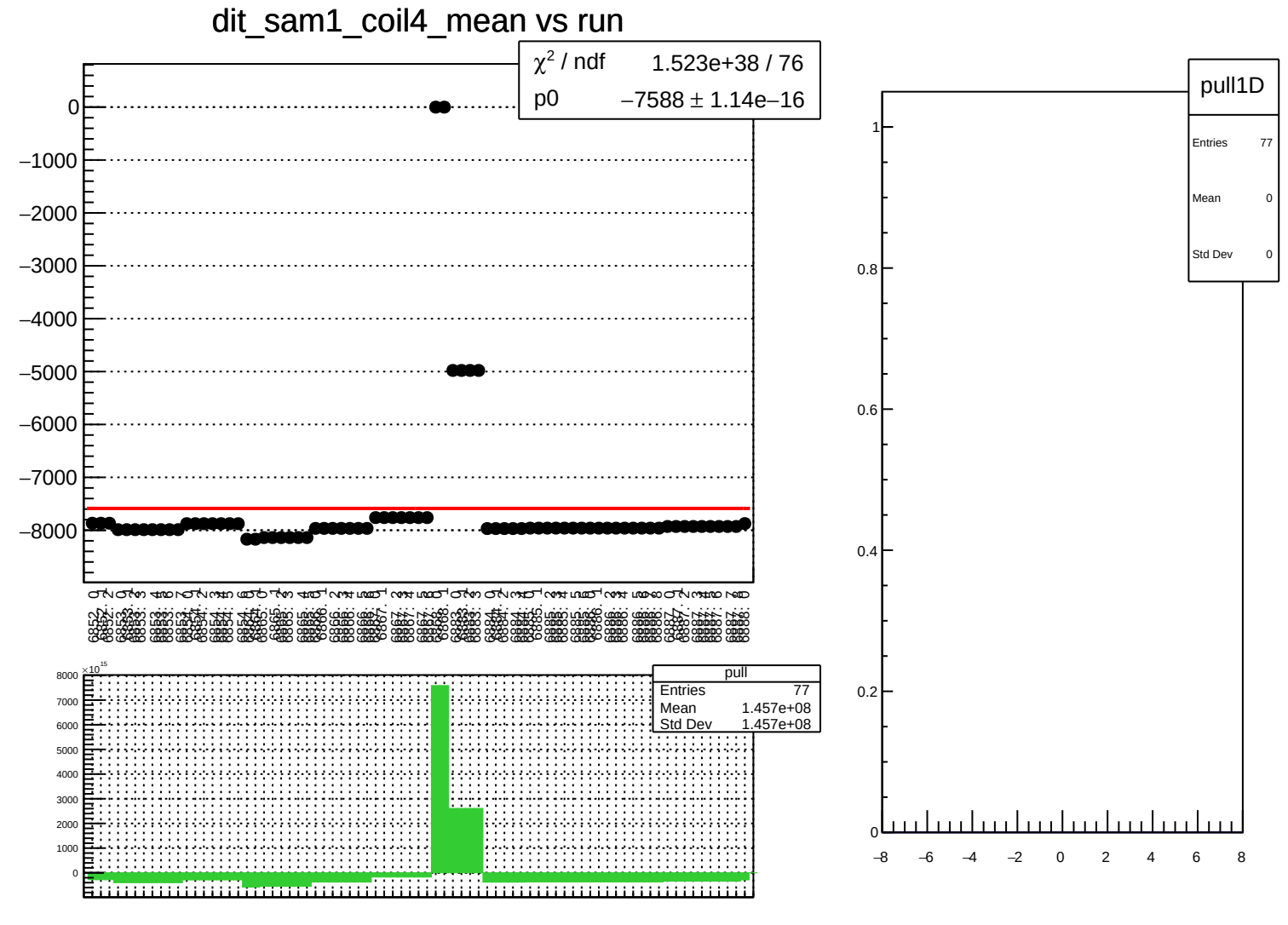

dit_atr2_coil4_mean vs run
χ² / ndf inf / 76
p0 2.62e+04 ± 1.14e–16
30000
25000
20000
15000
10000
5000
0
pull
Entries 77
Mean 1.699e+08
Std Dev 1.699e+08
×10^18
0
−5
−10
−15
−20
−25
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

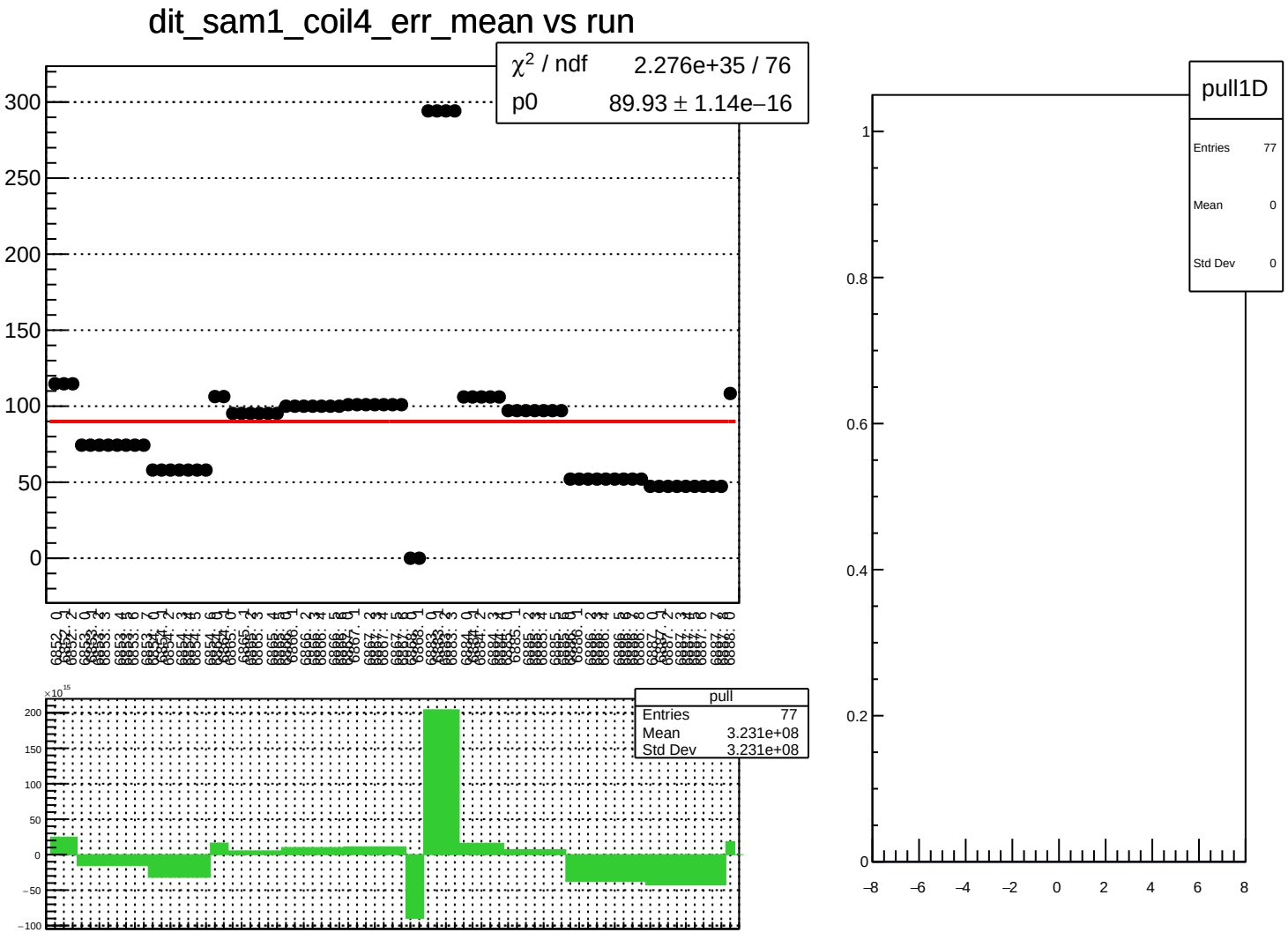
dit_atr2_coil4_err_mean vs run

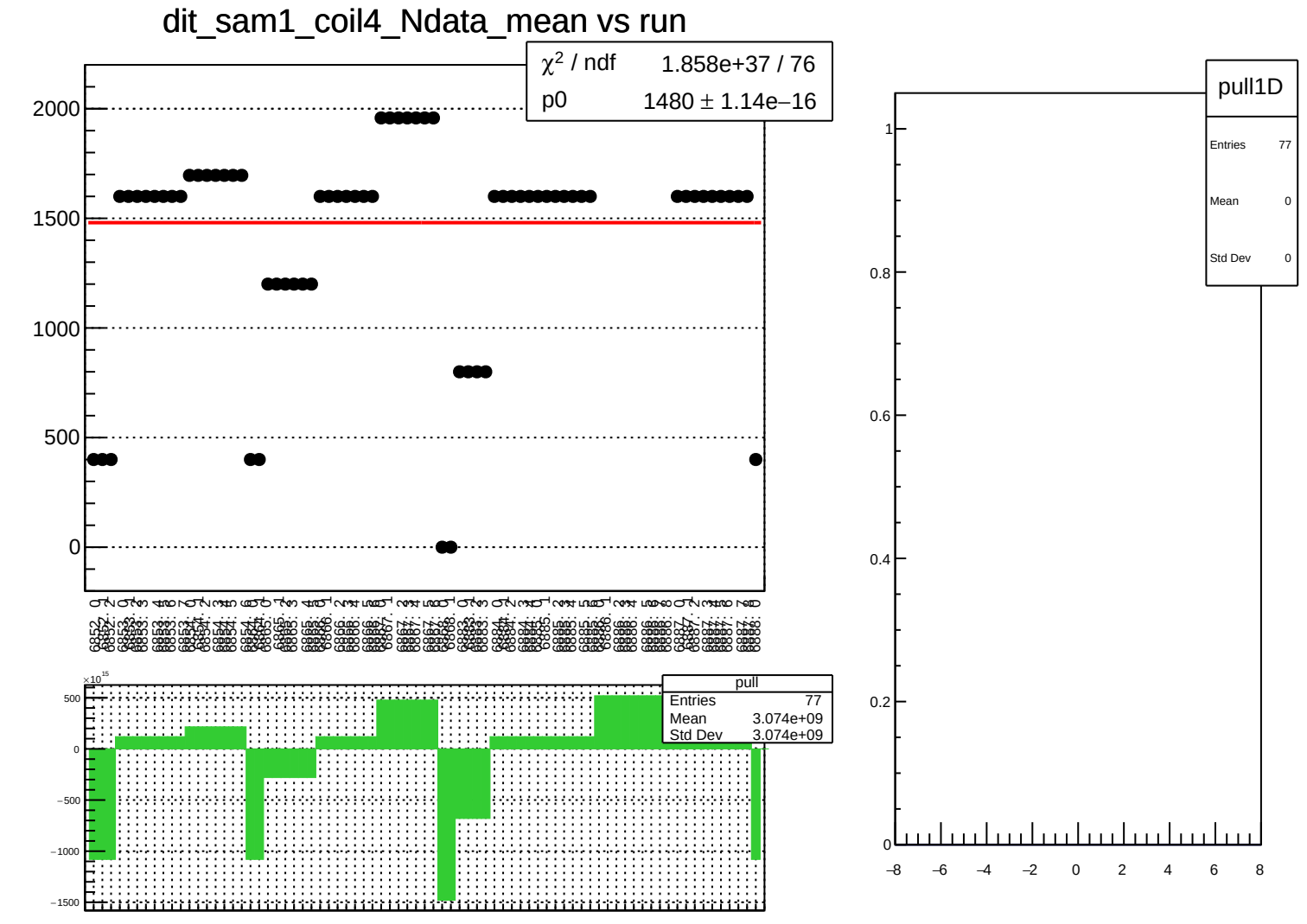


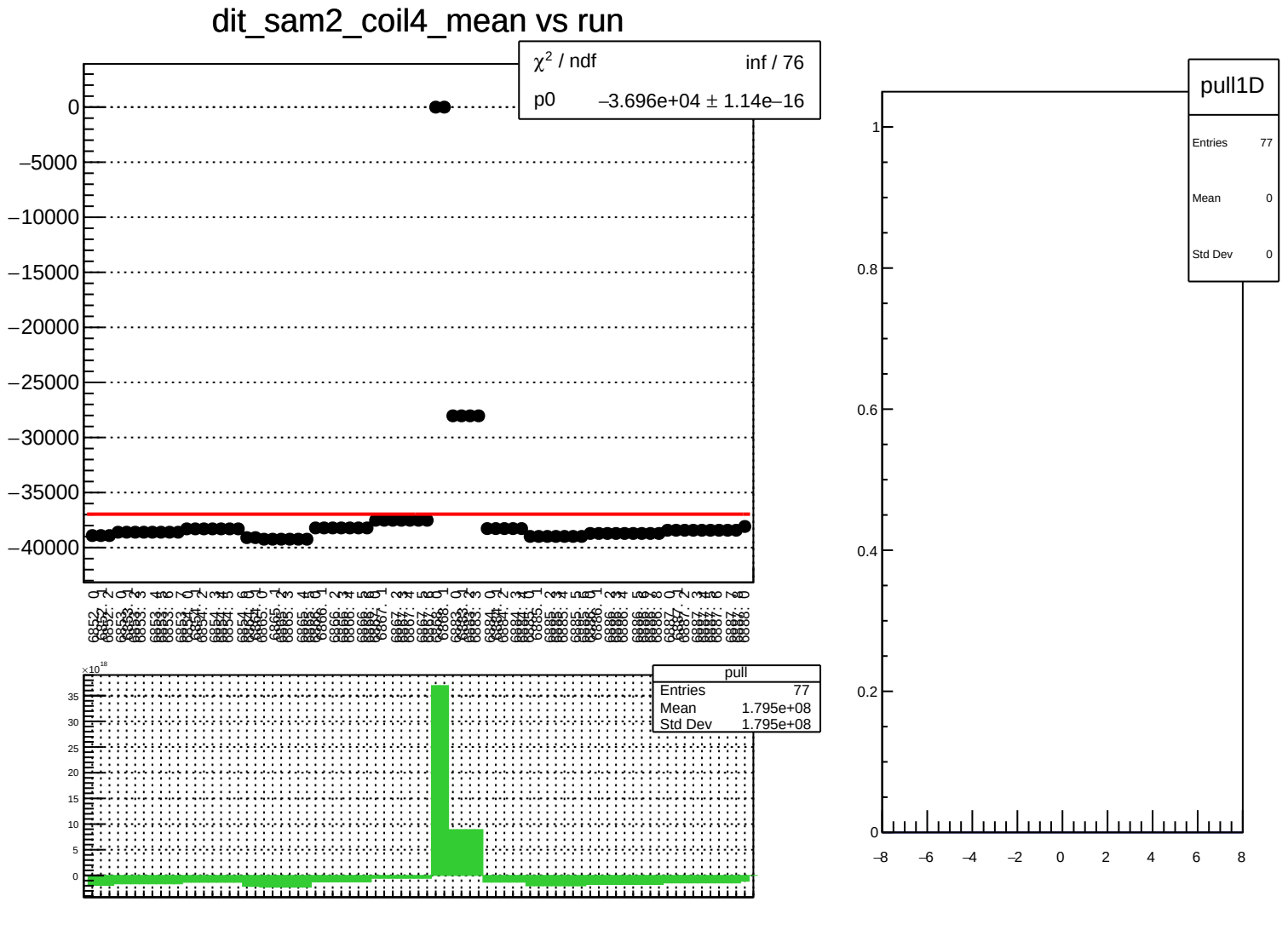


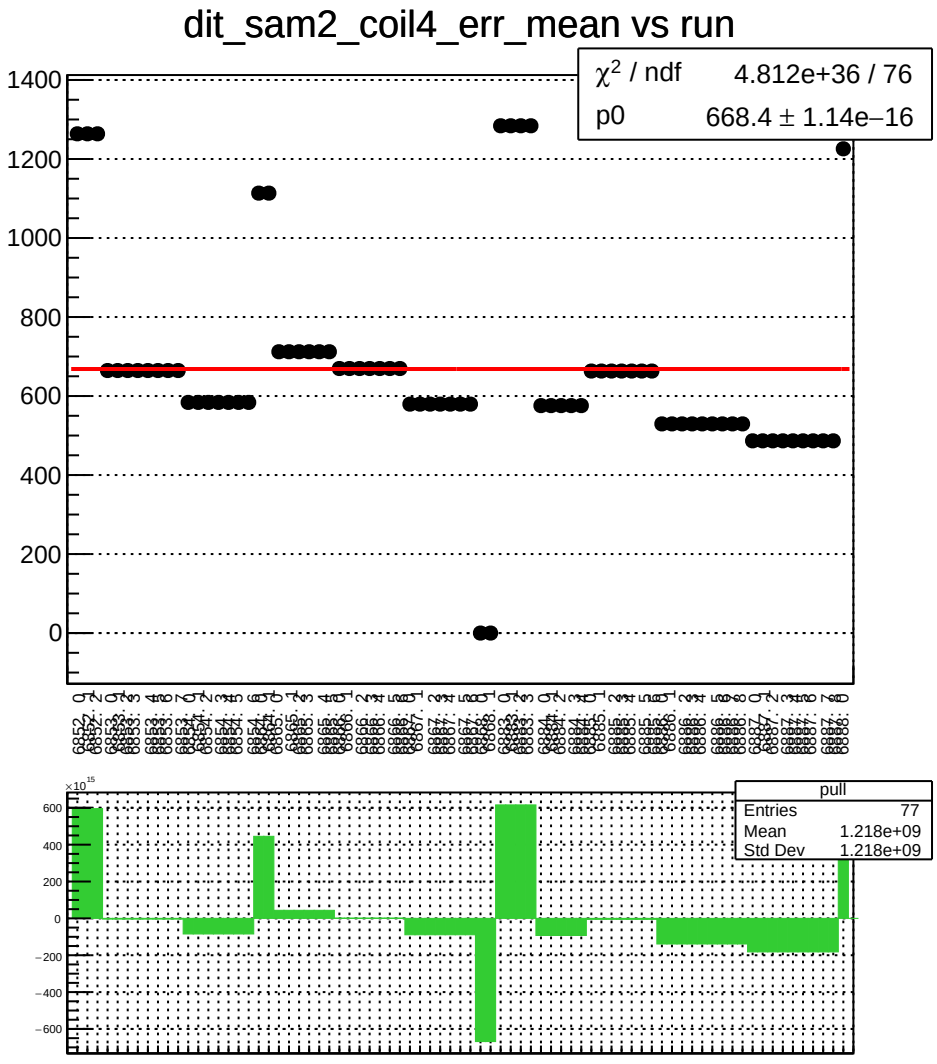

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

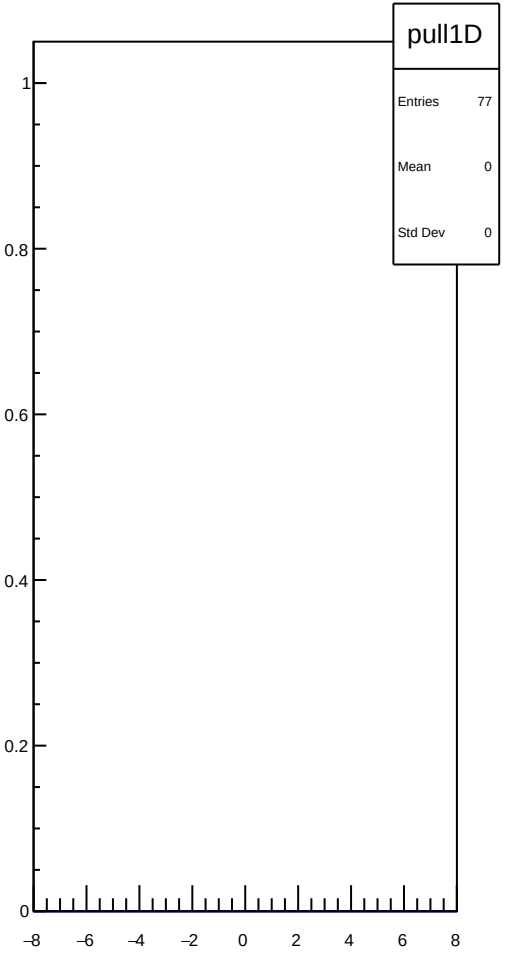

dit_sam1_coil4_mean vs run
χ² / ndf 1.523e+38 / 76
p0 −7588 ± 1.14e−16
pull
Entries 77
Mean 1.457e+08
Std Dev 1.457e+08
pull1D
Entries 77
Mean 0
Std Dev 0

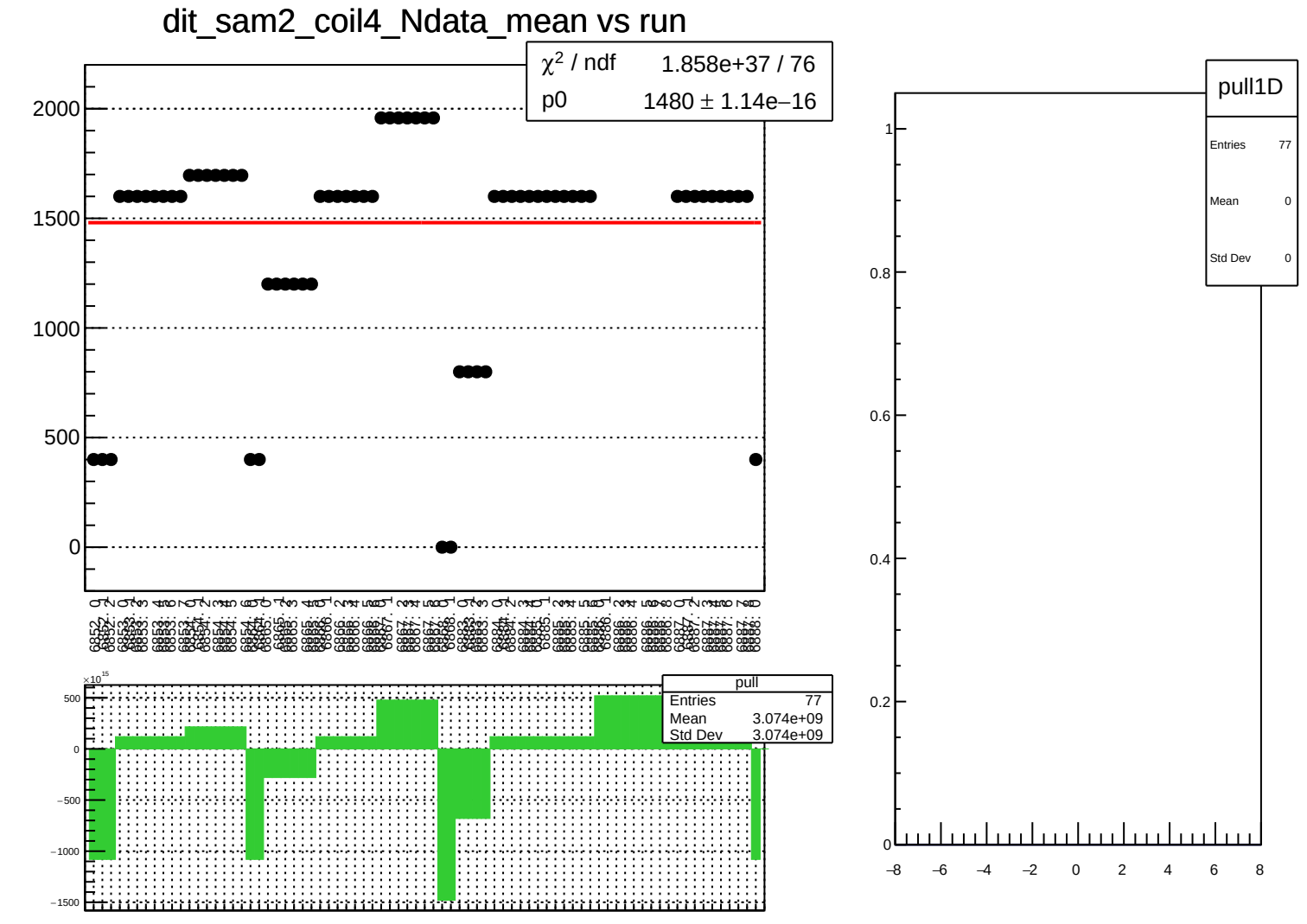

dit_sam1_coil4_err_mean vs run
χ² / ndf 2.276e+35 / 76
p0 89.93 ± 1.14e−16
pull
Entries 77
Mean 3.231e+08
Std Dev 3.231e+08
pull1D
Entries 77
Mean 0
Std Dev 0

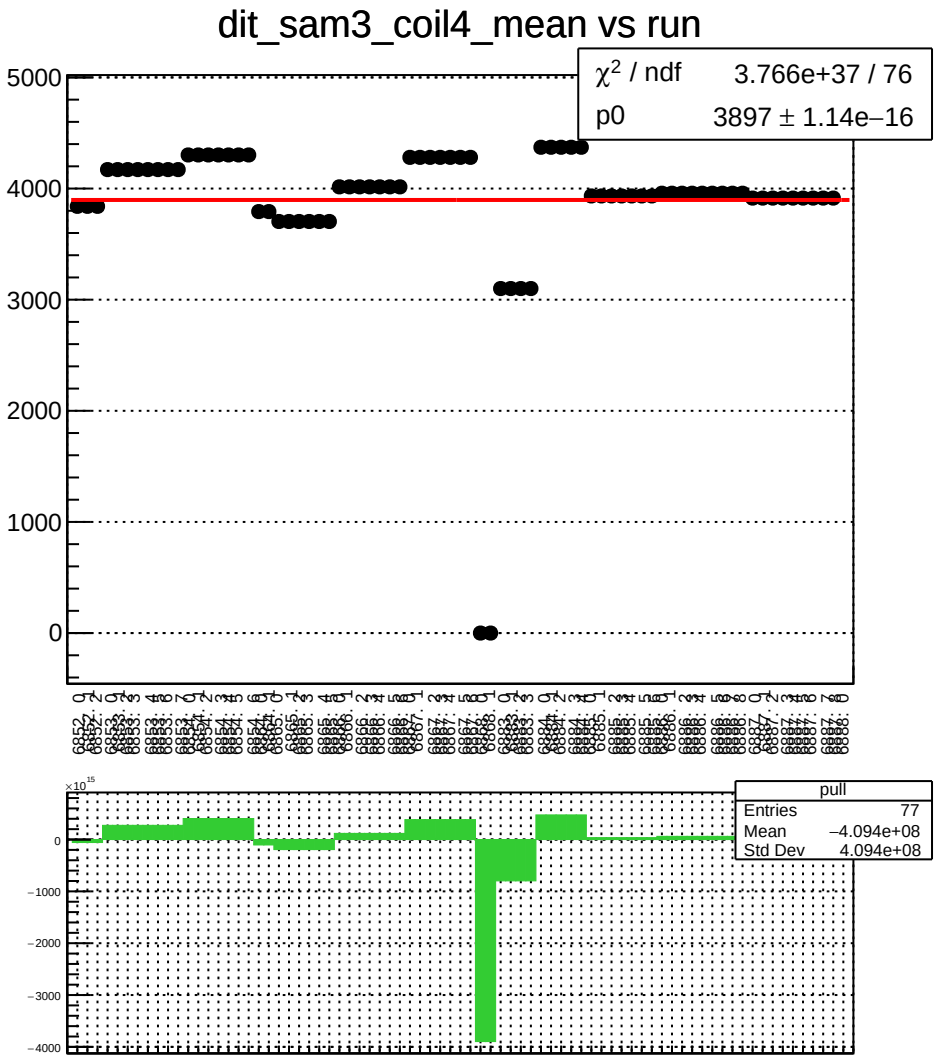

dit_sam1_coil4_Ndata_mean vs run
χ^2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

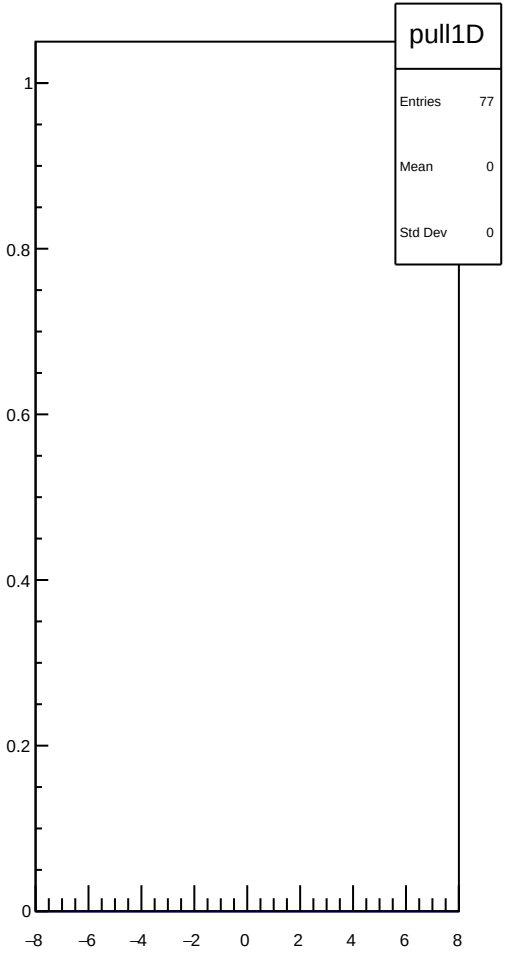

dit_sam2_coil4_mean vs run
χ² / ndf inf / 76
p0 −3.696e+04 ± 1.14e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
pull
Entries 77
Mean 1.795e+08
Std Dev 1.795e+08
×10¹⁸
35
30
25
20
15
10
5
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

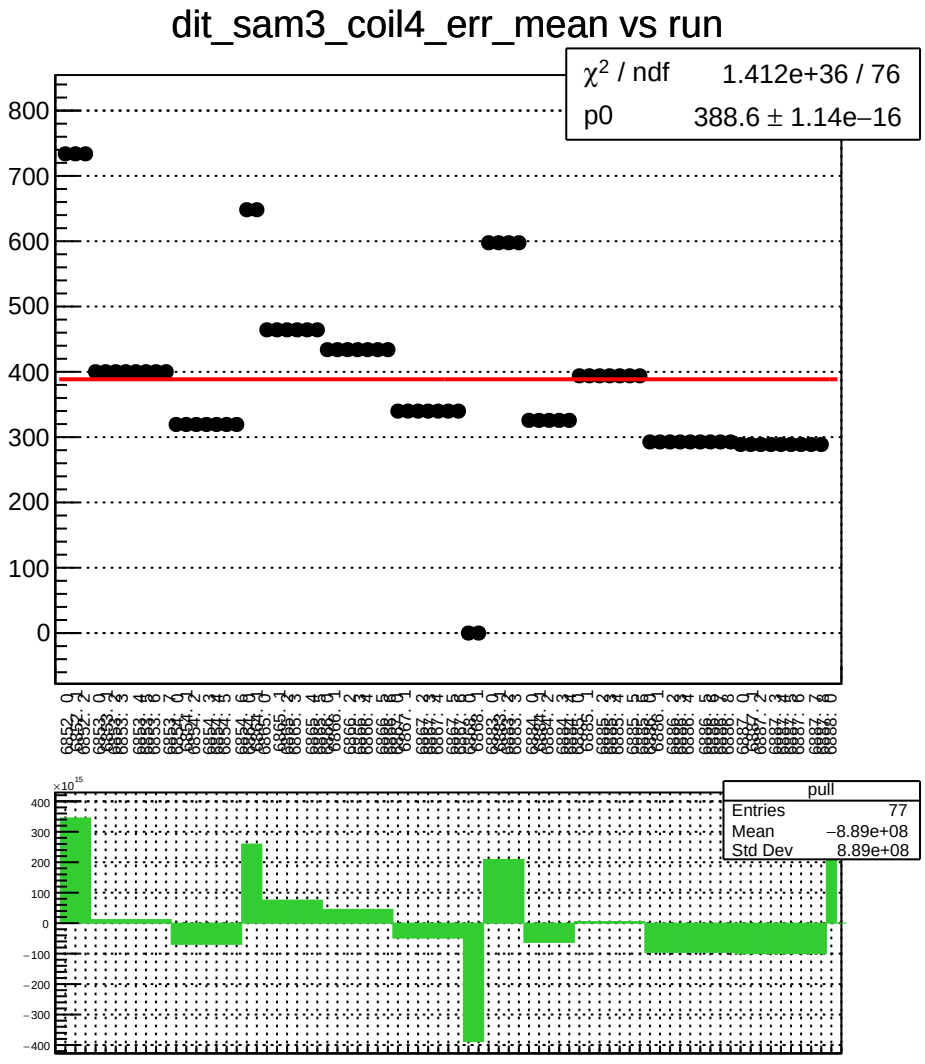

dit_sam2_coil4_err_mean vs run
χ² / ndf 4.812e+36 / 76
p0 668.4 ± 1.14e−16
pull
Entries 77
Mean 1.218e+09
Std Dev 1.218e+09

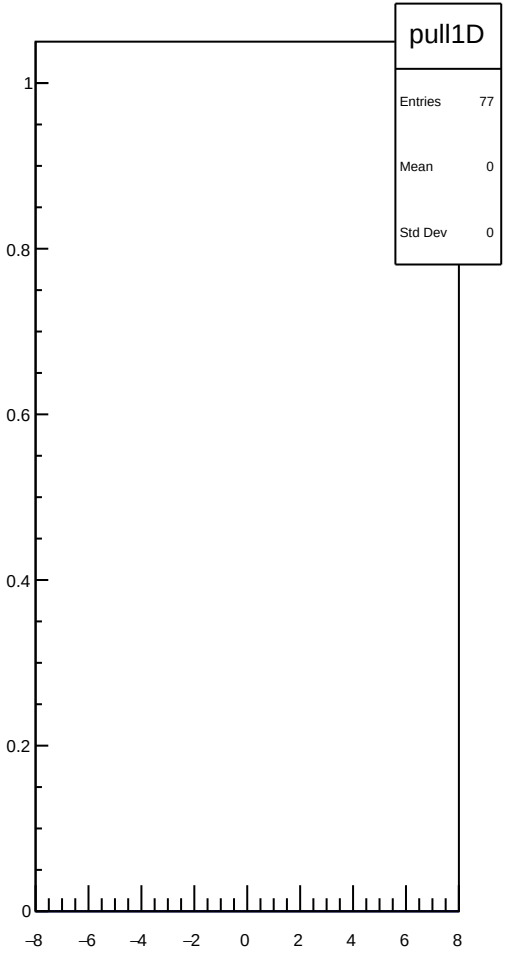

pull1D
Entries 77
Mean 0
Std Dev 0

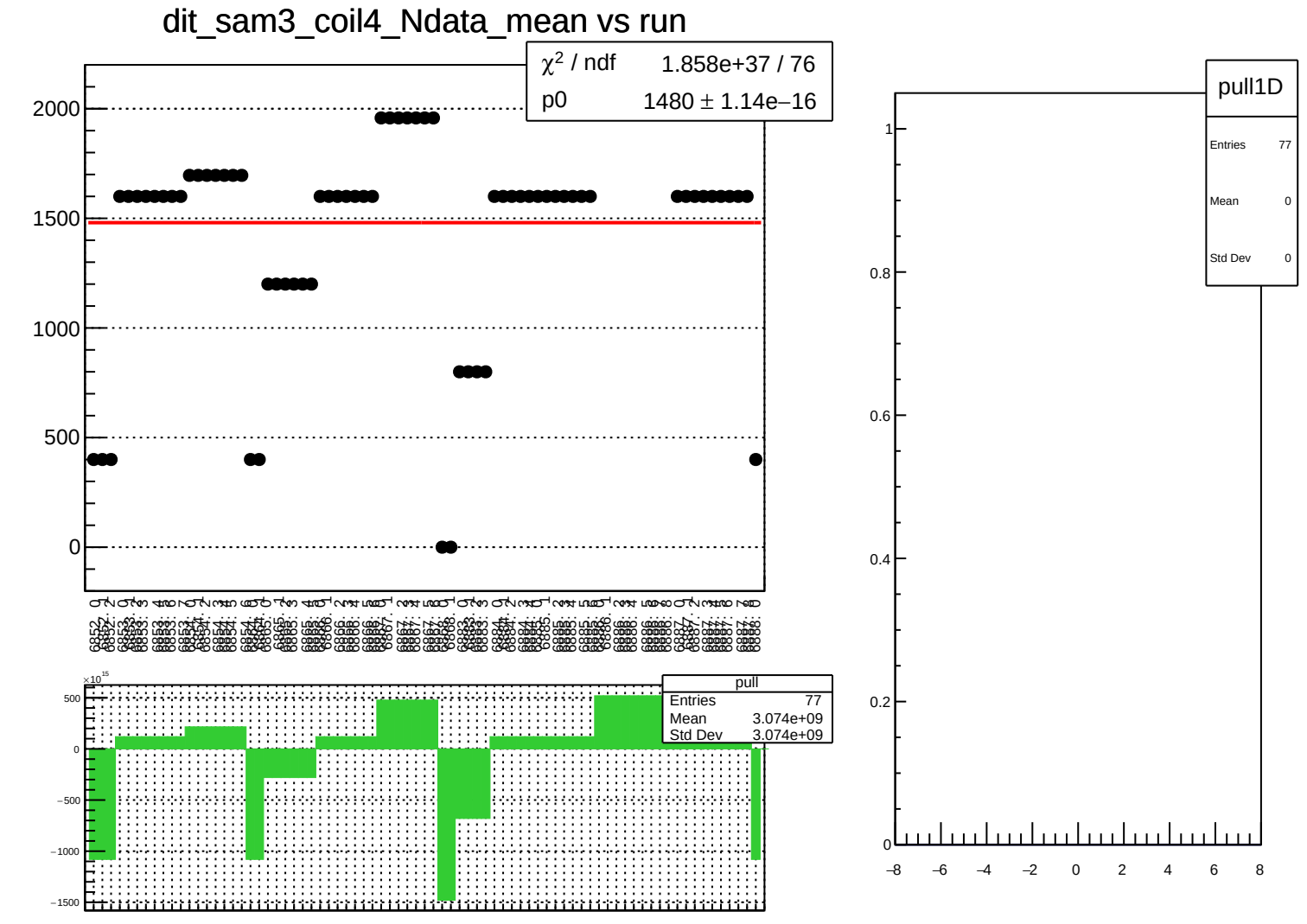

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

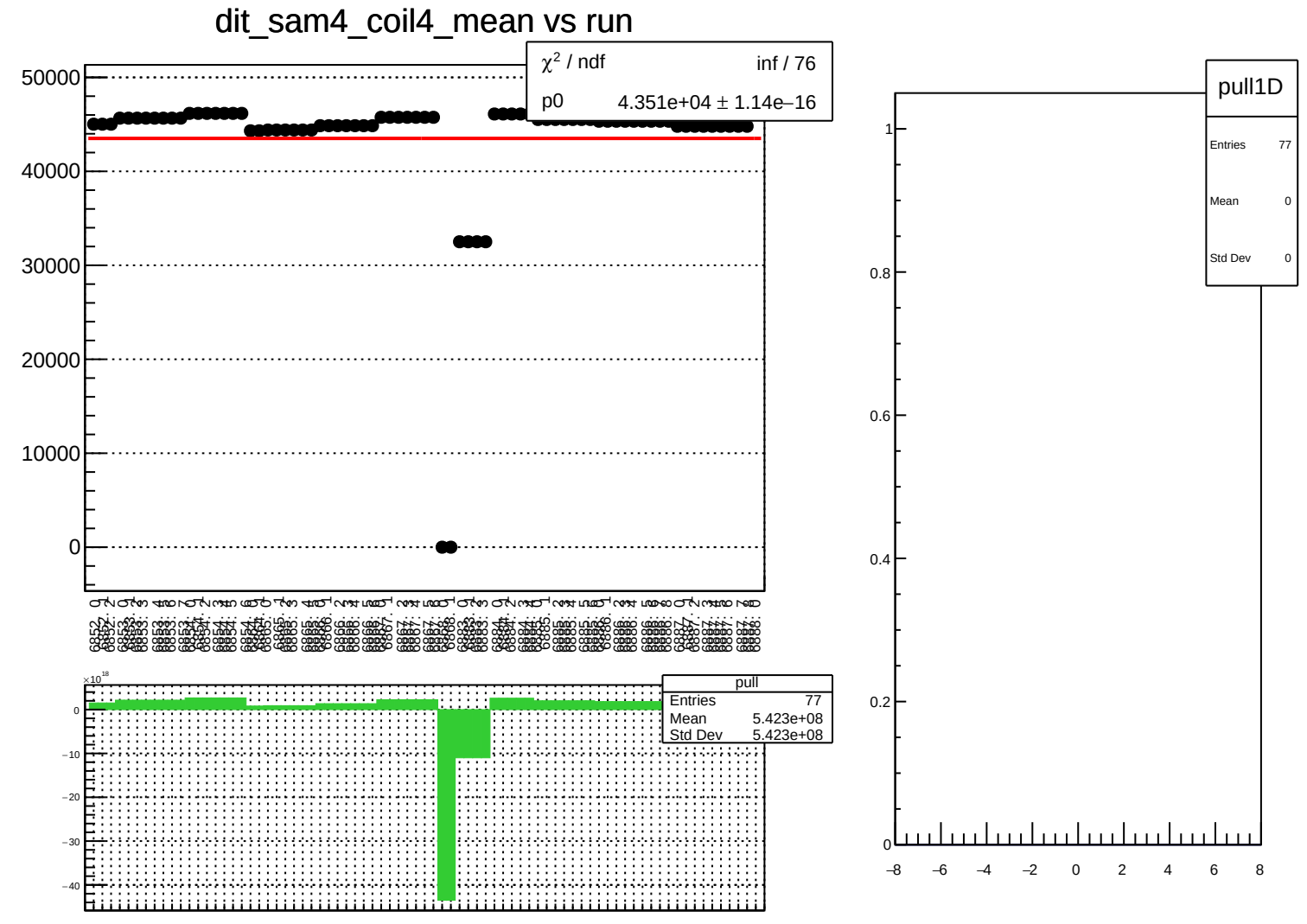

dit_sam3_coil4_mean vs run
χ^2 / ndf 3.766e+37 / 76
p0 3897 ± 1.14e−16
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean −4.094e+08
Std Dev 4.094e+08
×10^15
0
−1000
−2000
−3000
−4000

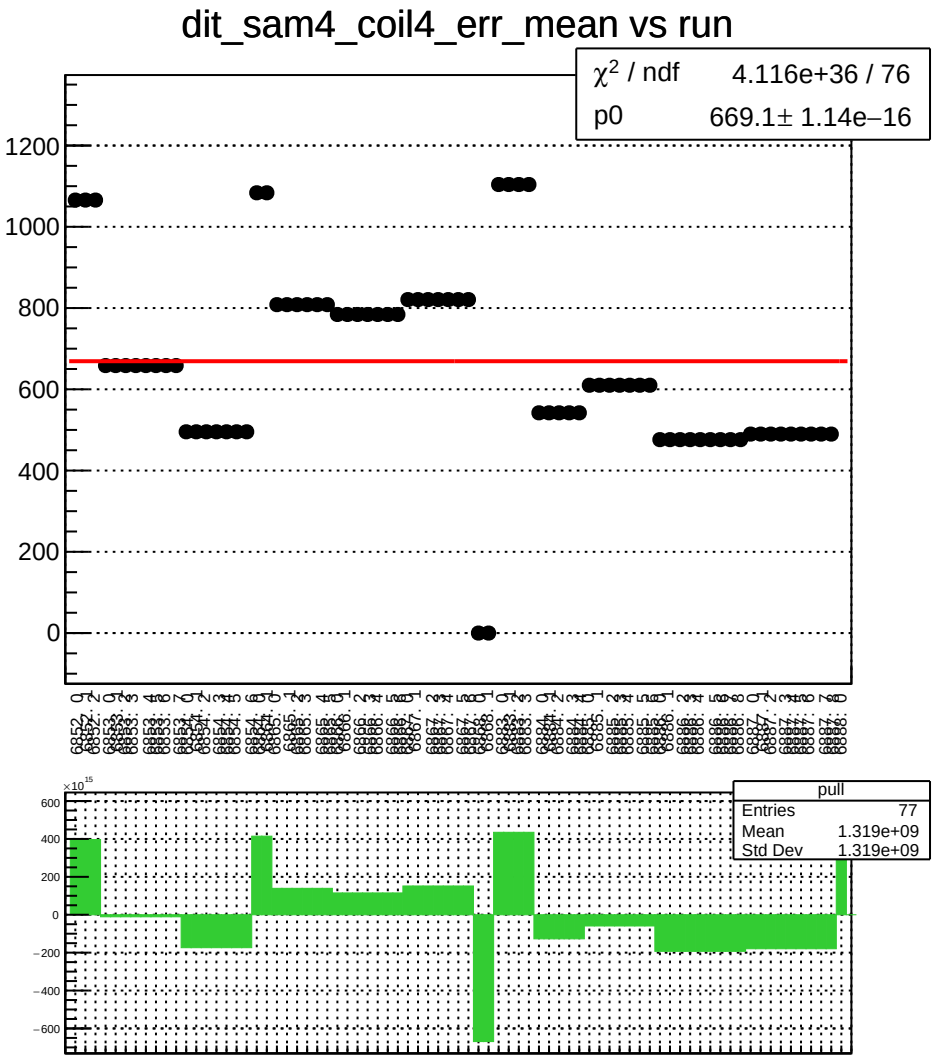

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

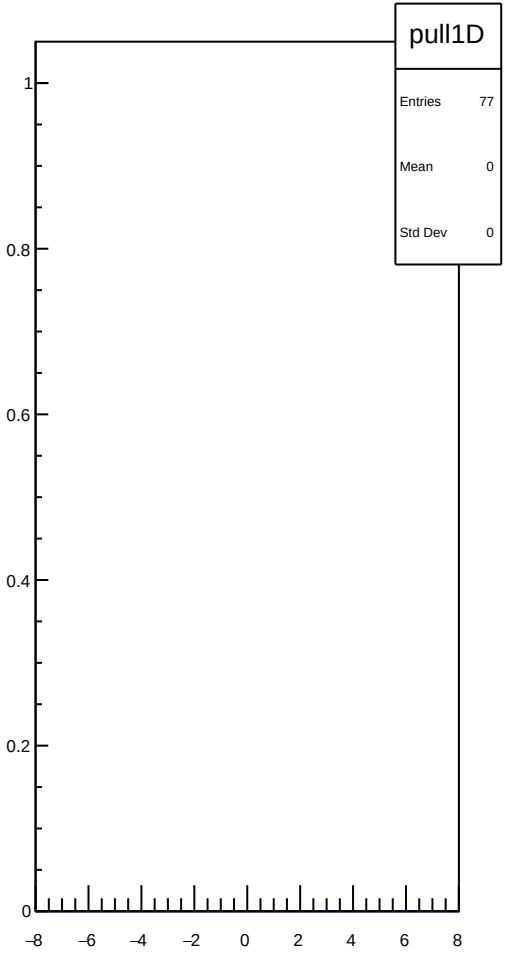

dit_sam3_coil4_err_mean vs run
χ² / ndf 1.412e+36 / 76
p0 388.6 ± 1.14e−16
pull
Entries 77
Mean −8.89e+08
Std Dev 8.89e+08


pull1D
Entries 77
Mean 0
Std Dev 0

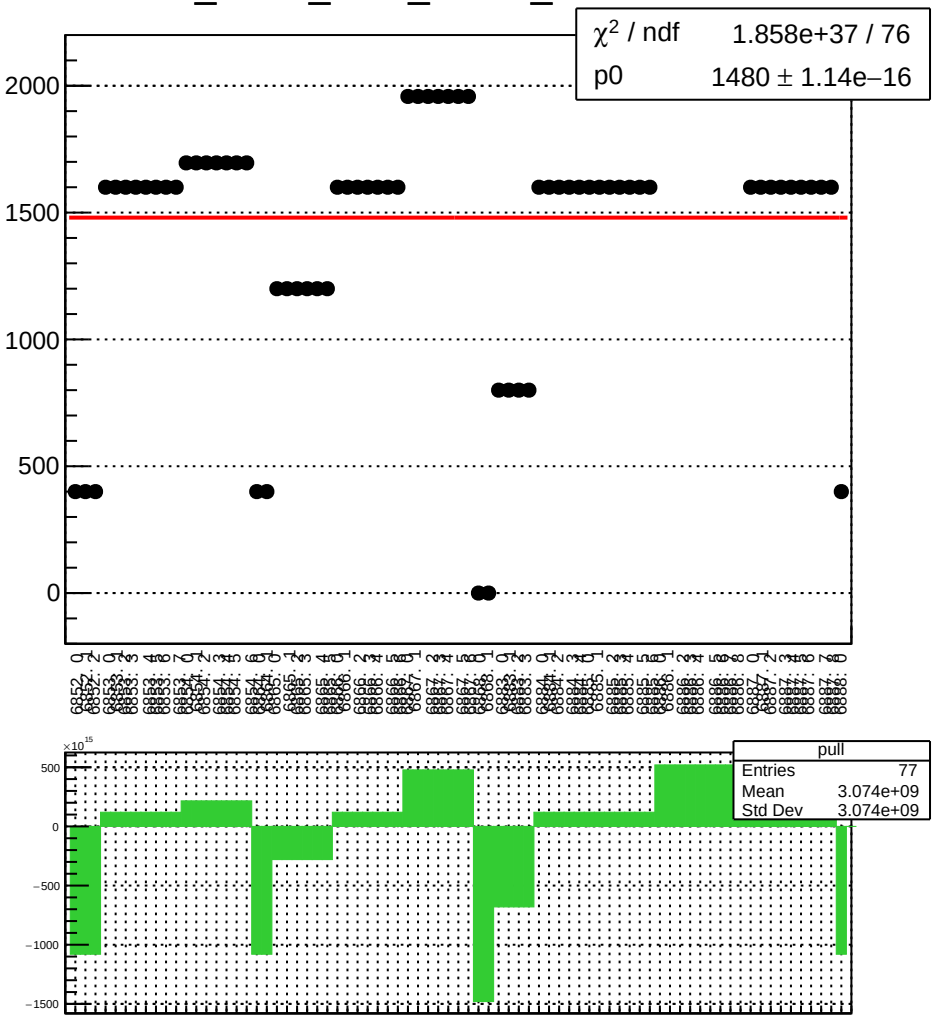

dit_sam3_coil4_Ndata_mean vs run
χ2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

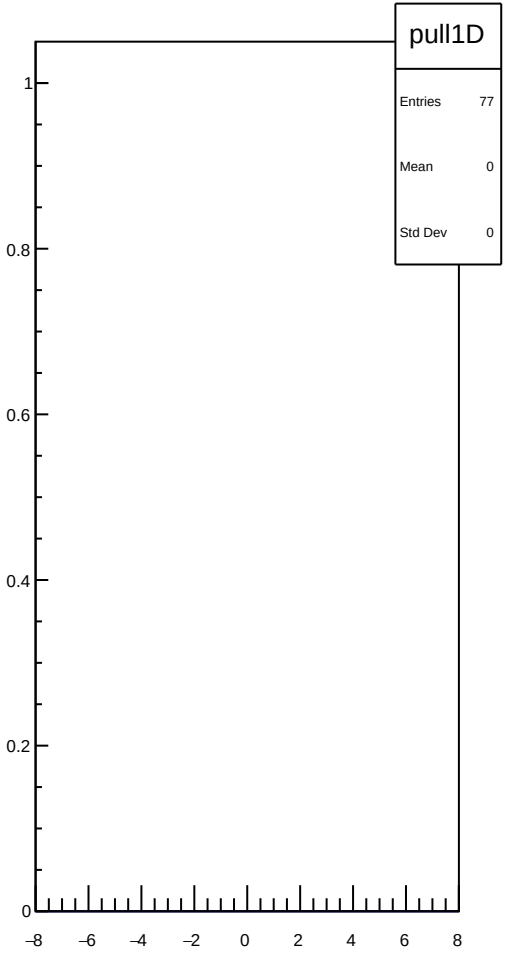

dit_sam4_coil4_mean vs run
χ² / ndf inf / 76
p0 4.351e+04 ± 1.14e−16
50000
40000
30000
20000
10000
0
pull
Entries 77
Mean 5.423e+08
Std Dev 5.423e+08
×10¹⁸
0
−10
−20
−30
−40
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

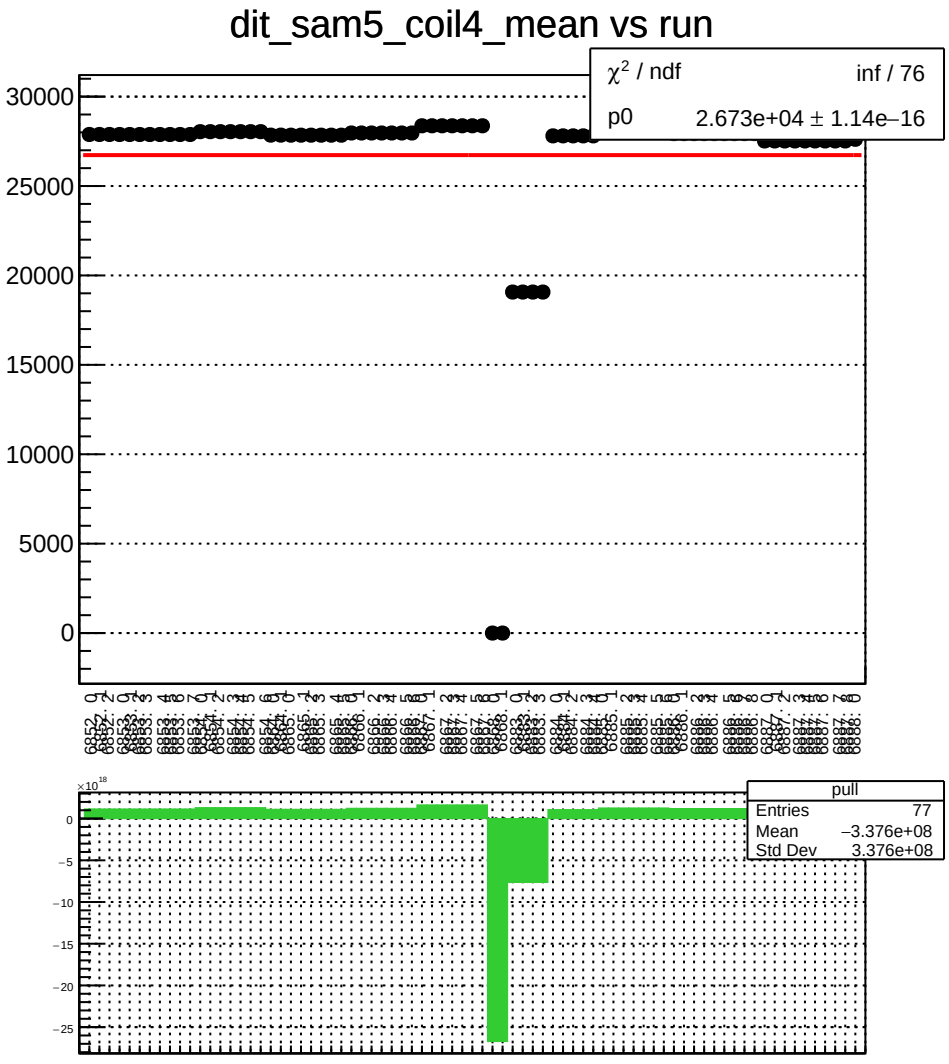

dit_sam4_coil4_err_mean vs run
χ² / ndf 4.116e+36 / 76
p0 669.1± 1.14e−16
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 1.319e+09
Std Dev 1.319e+09
×10¹⁵
600
400
200
0
−200
−400
−600

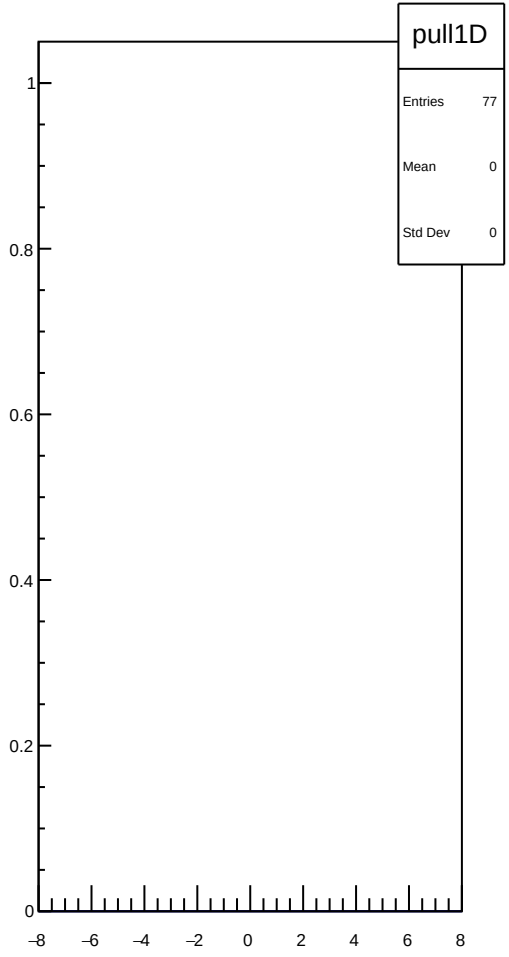

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

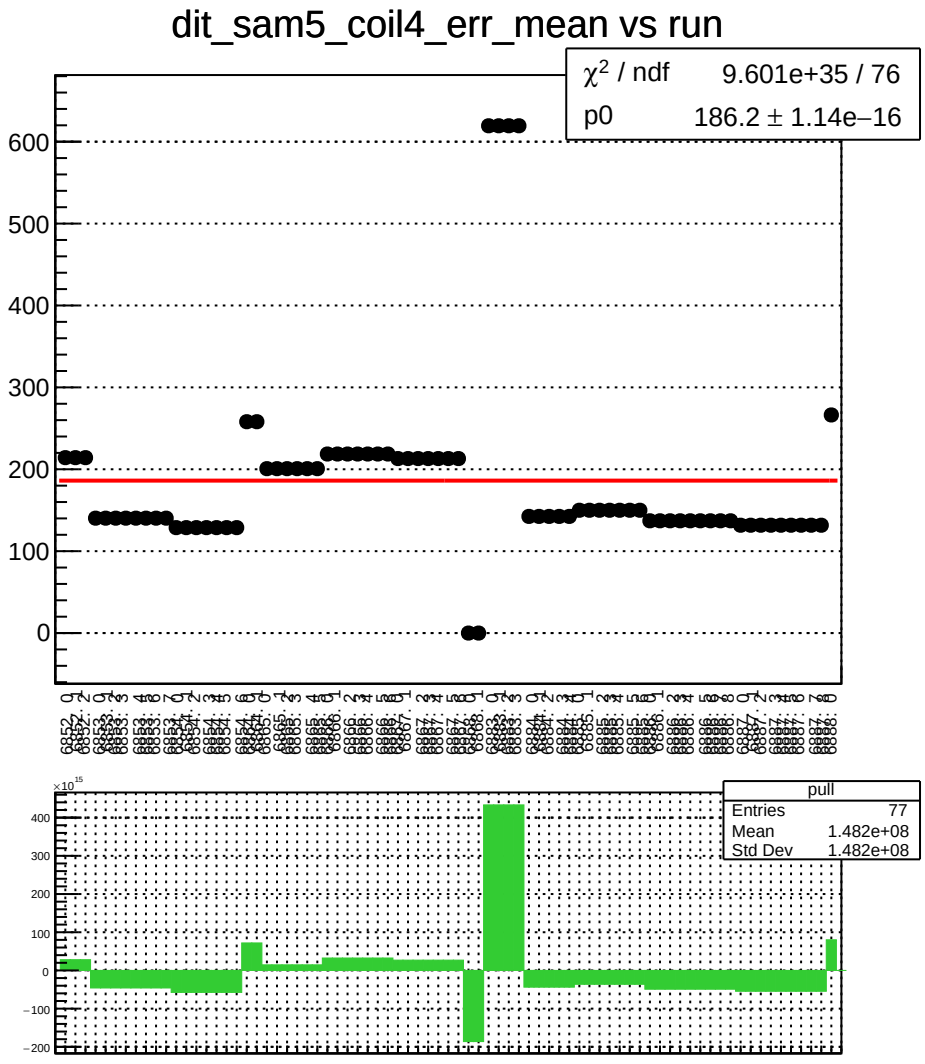
dit_sam4_coil4_Ndata_mean vs run

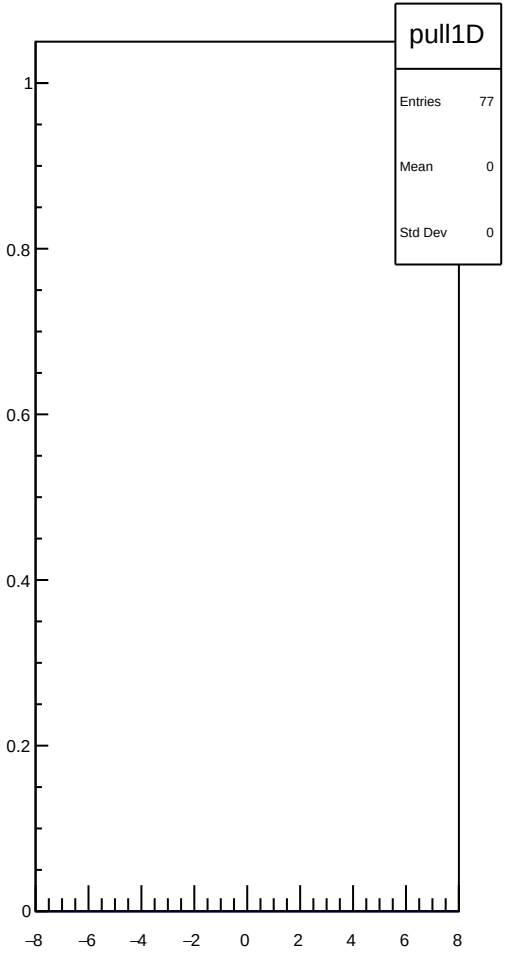


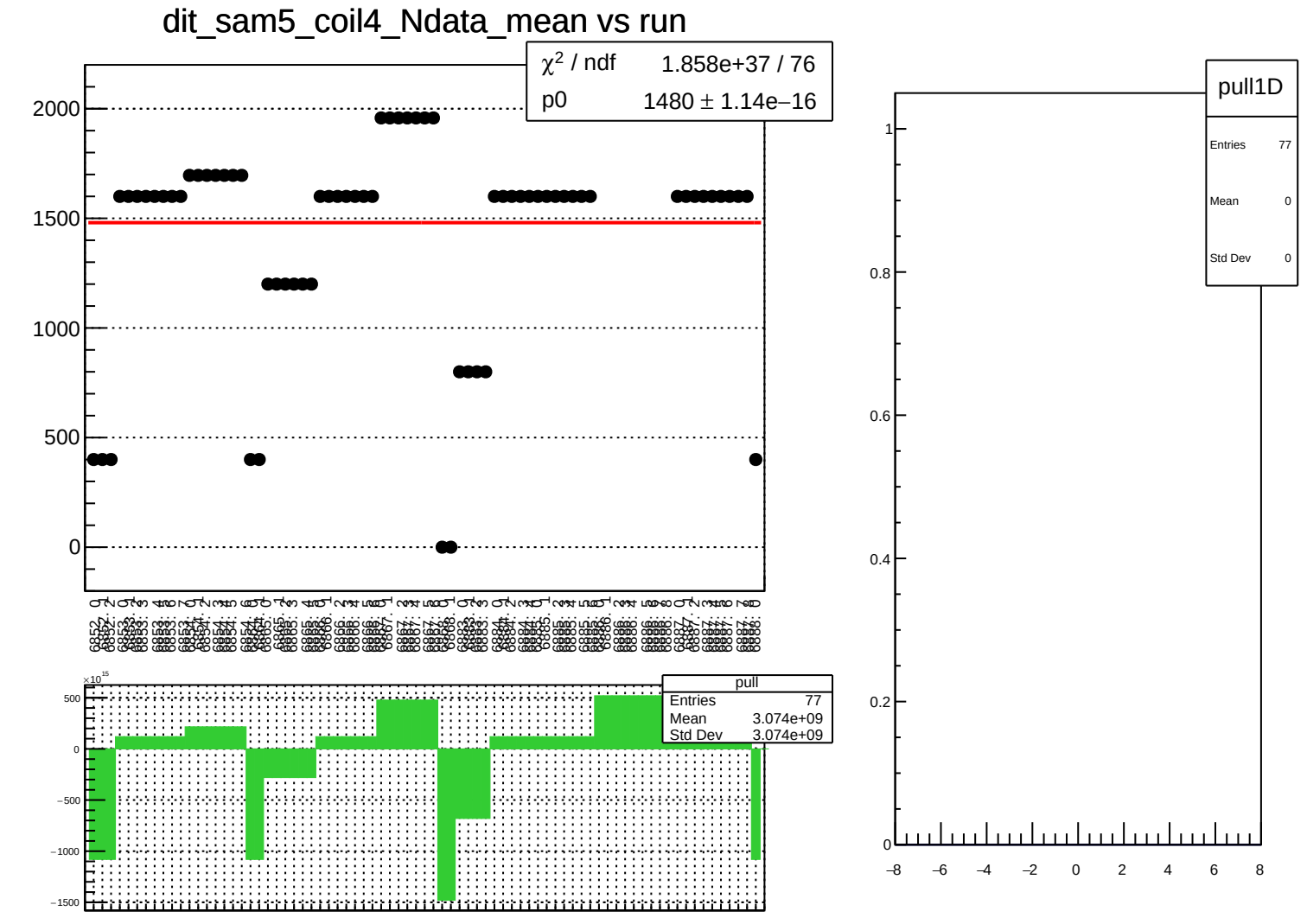


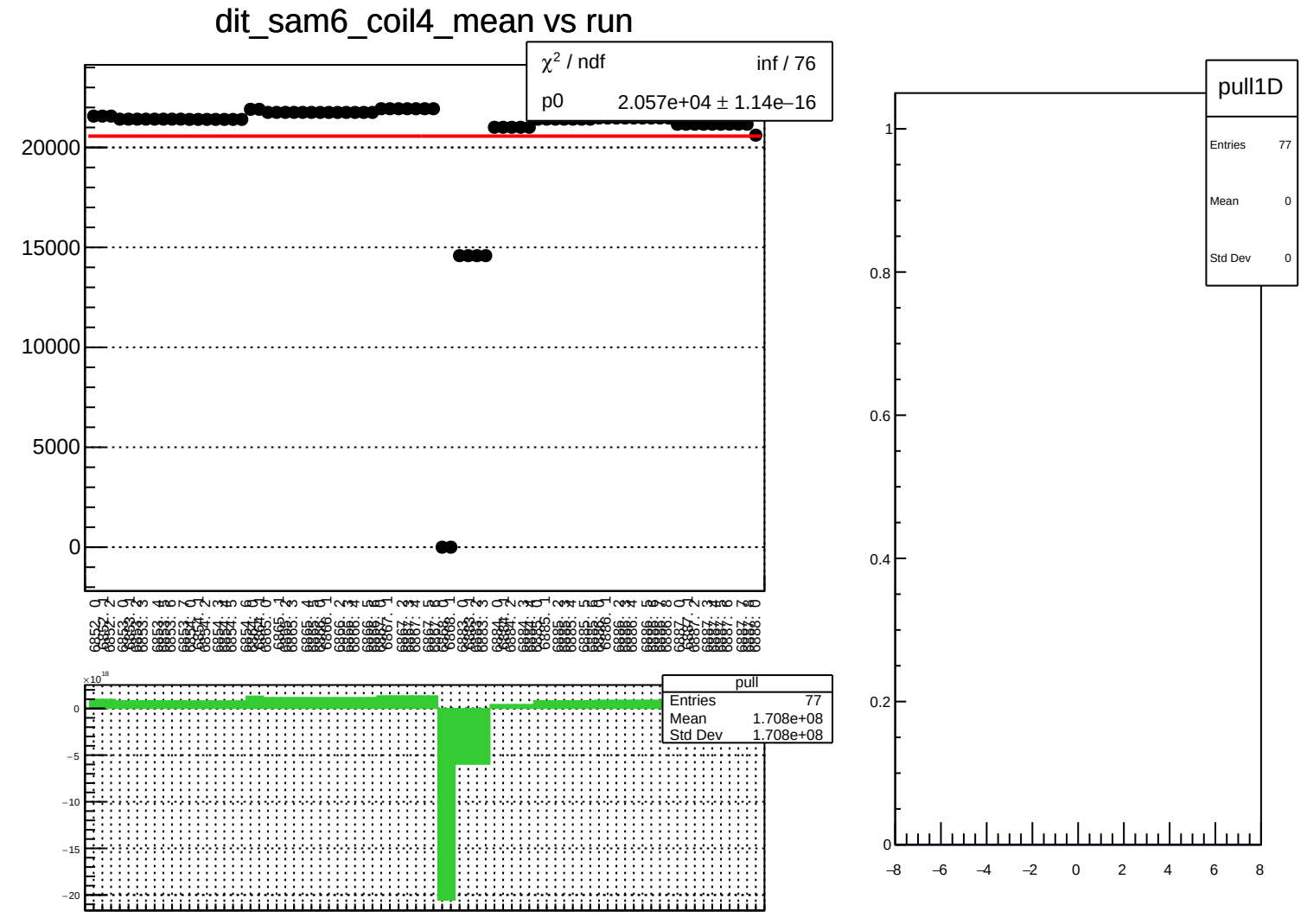

dit_sam5_coil4_mean vs run
χ² / ndf inf / 76
p0 2.673e+04 ± 1.14e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 77
Mean −3.376e+08
Std Dev 3.376e+08
×10¹⁸
0
−5
−10
−15
−20
−25

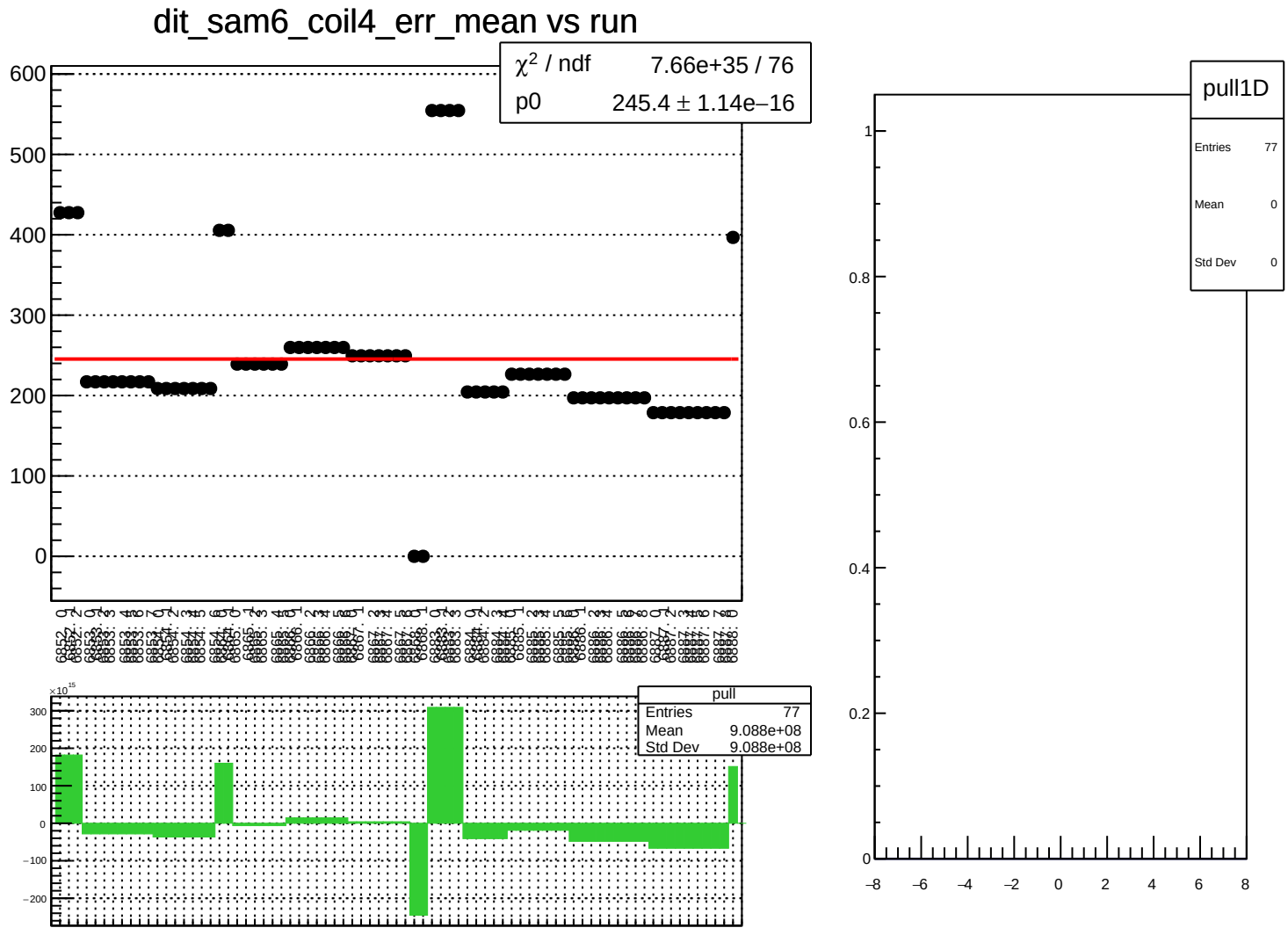

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil4_err_mean vs run
χ^2 / ndf 9.601e+35 / 76
p0 186.2 ± 1.14e−16
pull
Entries 77
Mean 1.482e+08
Std Dev 1.482e+08

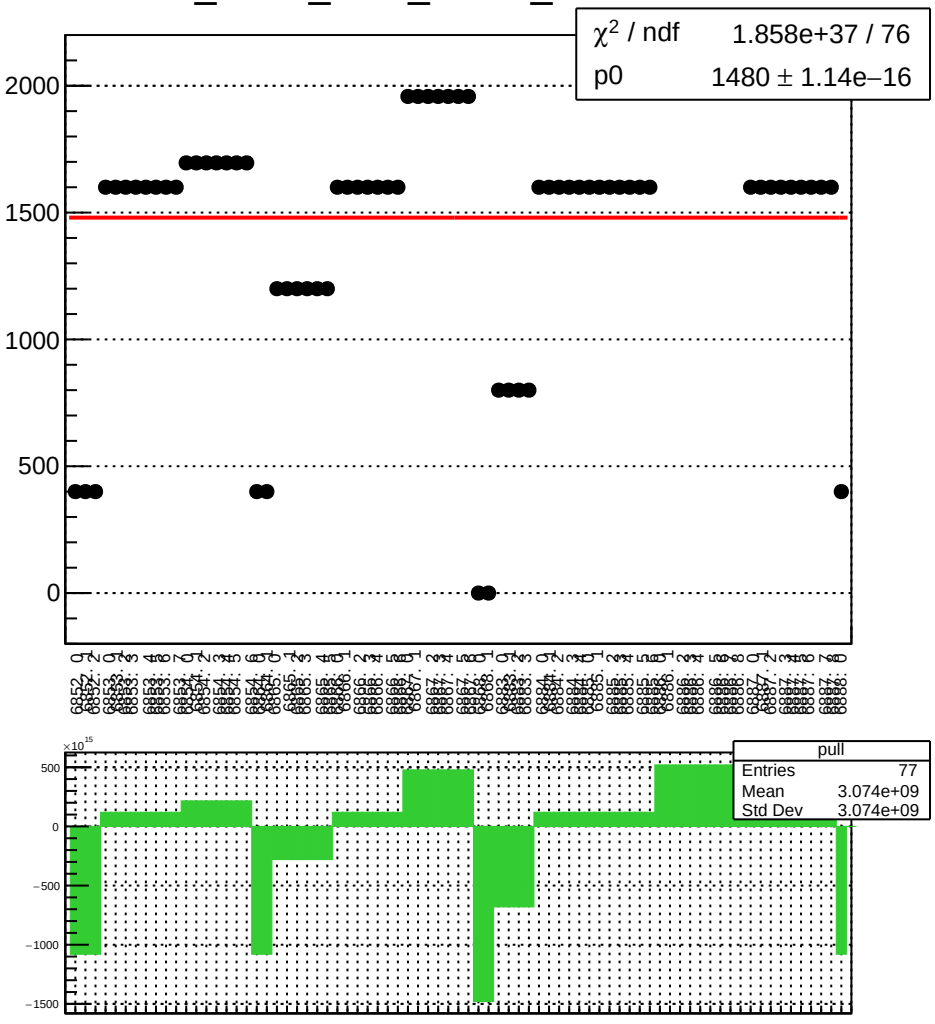

pull1D
Entries 77
Mean 0
Std Dev 0

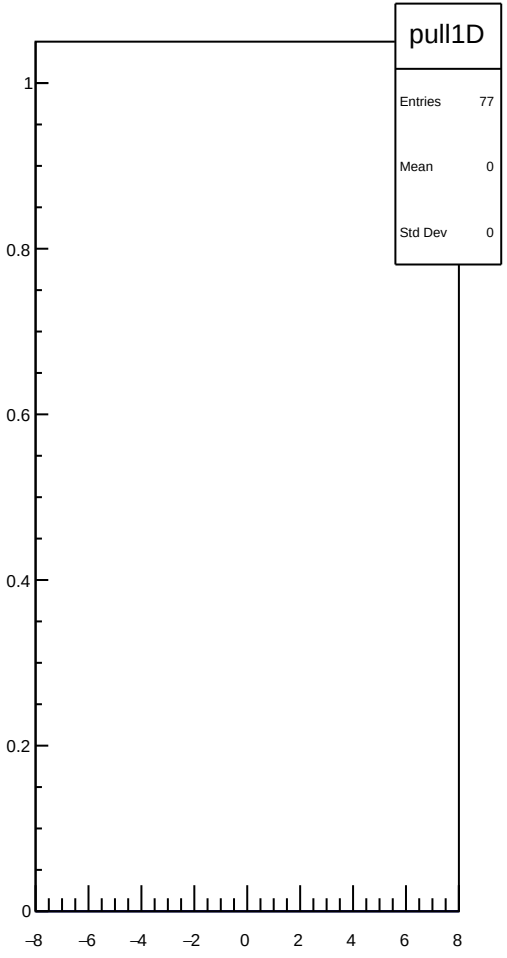

dit_sam5_coil4_Ndata_mean vs run
χ2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

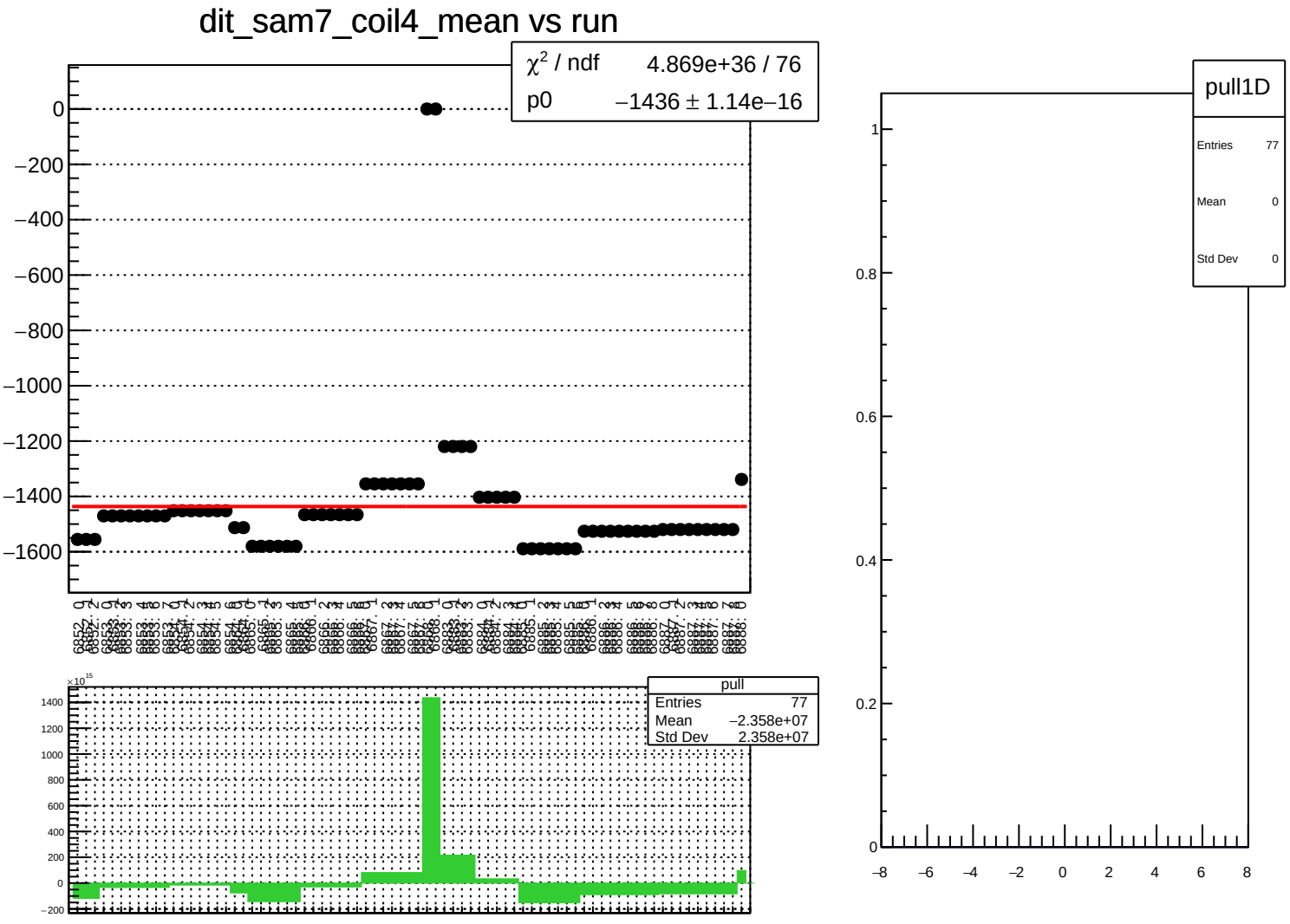

dit_sam6_coil4_mean vs run
χ² / ndf inf / 76
p0 2.057e+04 ± 1.14e−16
20000
15000
10000
5000
0
pull
Entries 77
Mean 1.708e+08
Std Dev 1.708e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

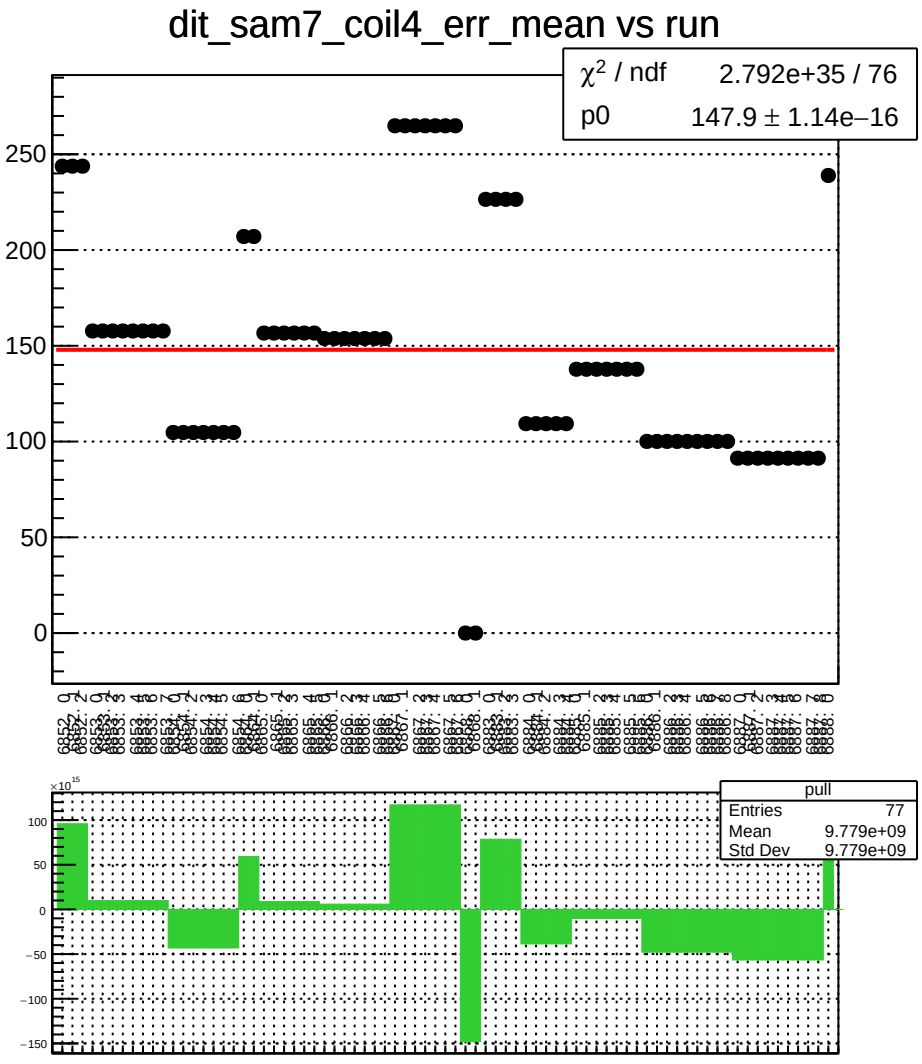

dit_sam6_coil4_err_mean vs run
χ² / ndf 7.66e+35 / 76
p0 245.4 ± 1.14e−16
pull
Entries 77
Mean 9.088e+08
Std Dev 9.088e+08
pull1D
Entries 77
Mean 0
Std Dev 0

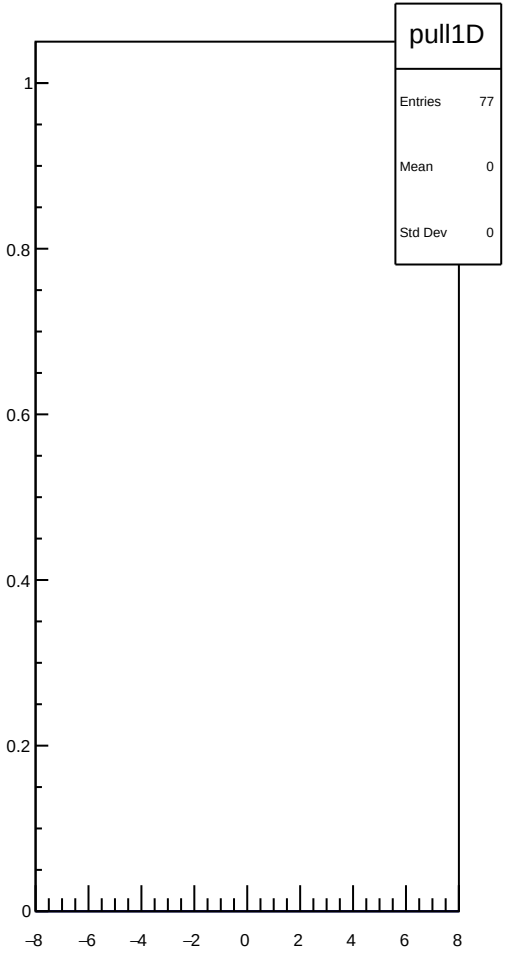
dit_sam6_coil4_Ndata_mean vs run

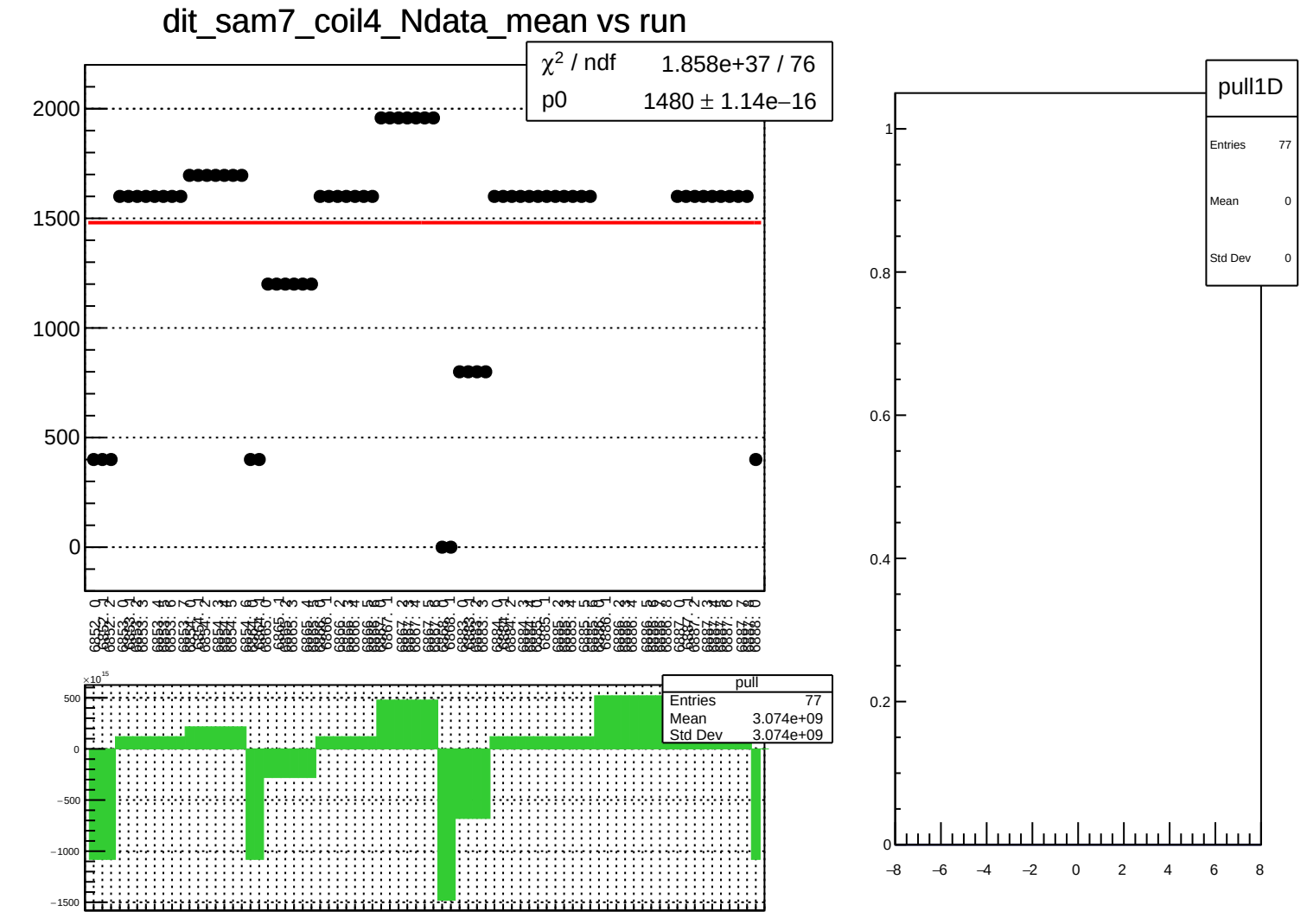


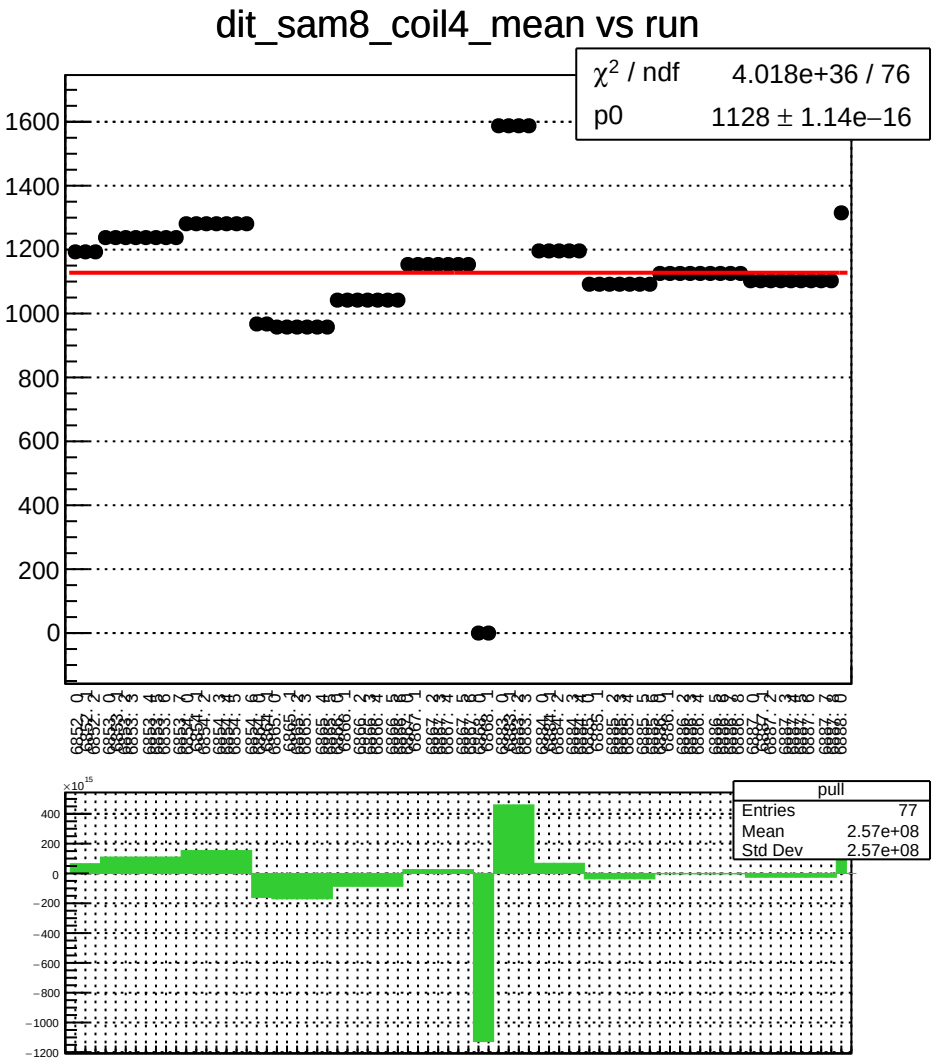


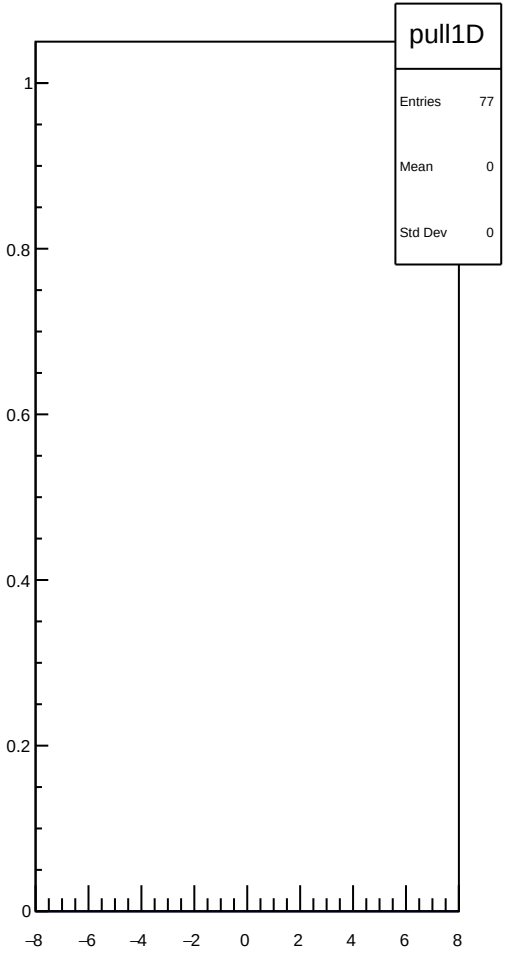

dit_sam7_coil4_mean vs run
χ^2 / ndf 4.869e+36 / 76
p0 −1436 ± 1.14e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 77
Mean −2.358e+07
Std Dev 2.358e+07
×10^15
1400
1200
1000
800
600
400
200
0
−200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil4_err_mean vs run
χ² / ndf 2.792e+35 / 76
p0 147.9 ± 1.14e−16
250
200
150
100
50
0
pull
Entries 77
Mean 9.779e+09
Std Dev 9.779e+09
×10¹⁵
100
50
0
−50
−100
−150

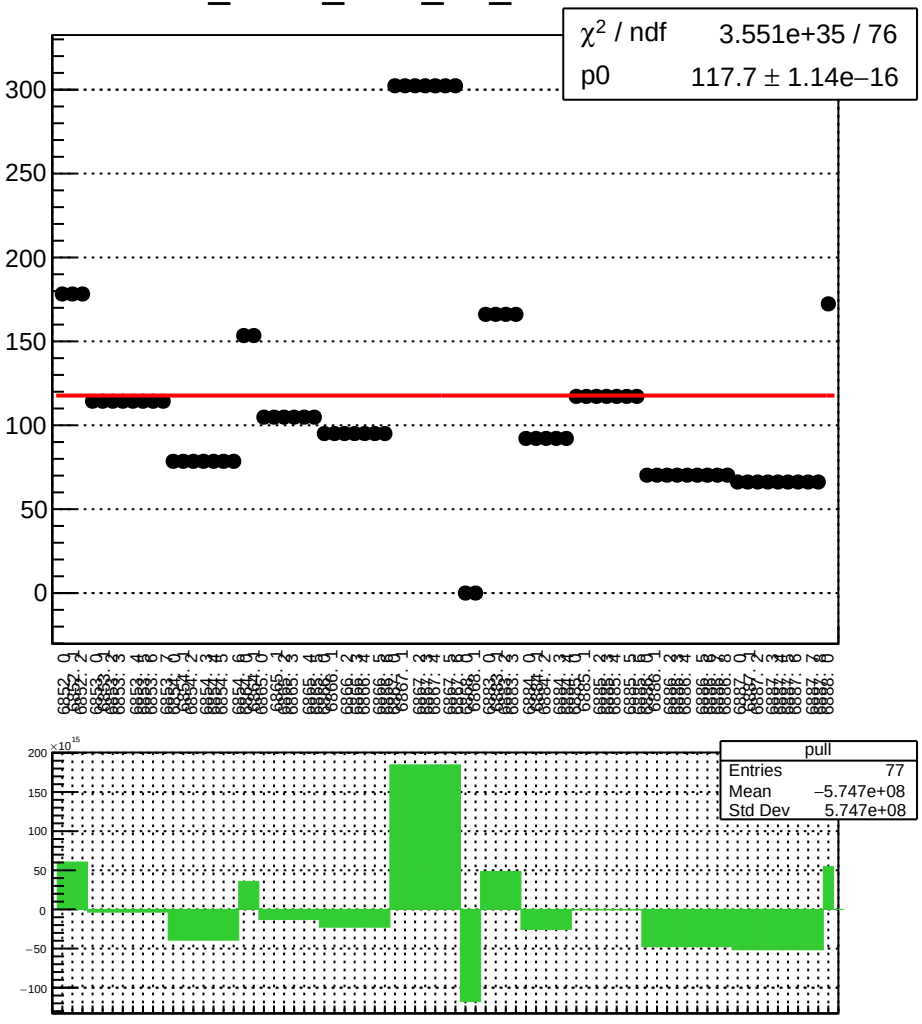

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

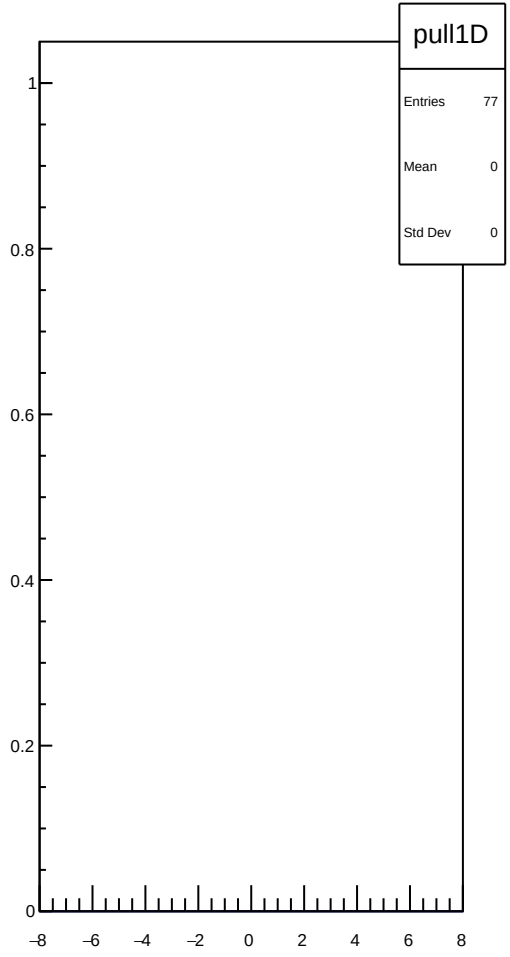

dit_sam7_coil4_Ndata_mean vs run
χ2 / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

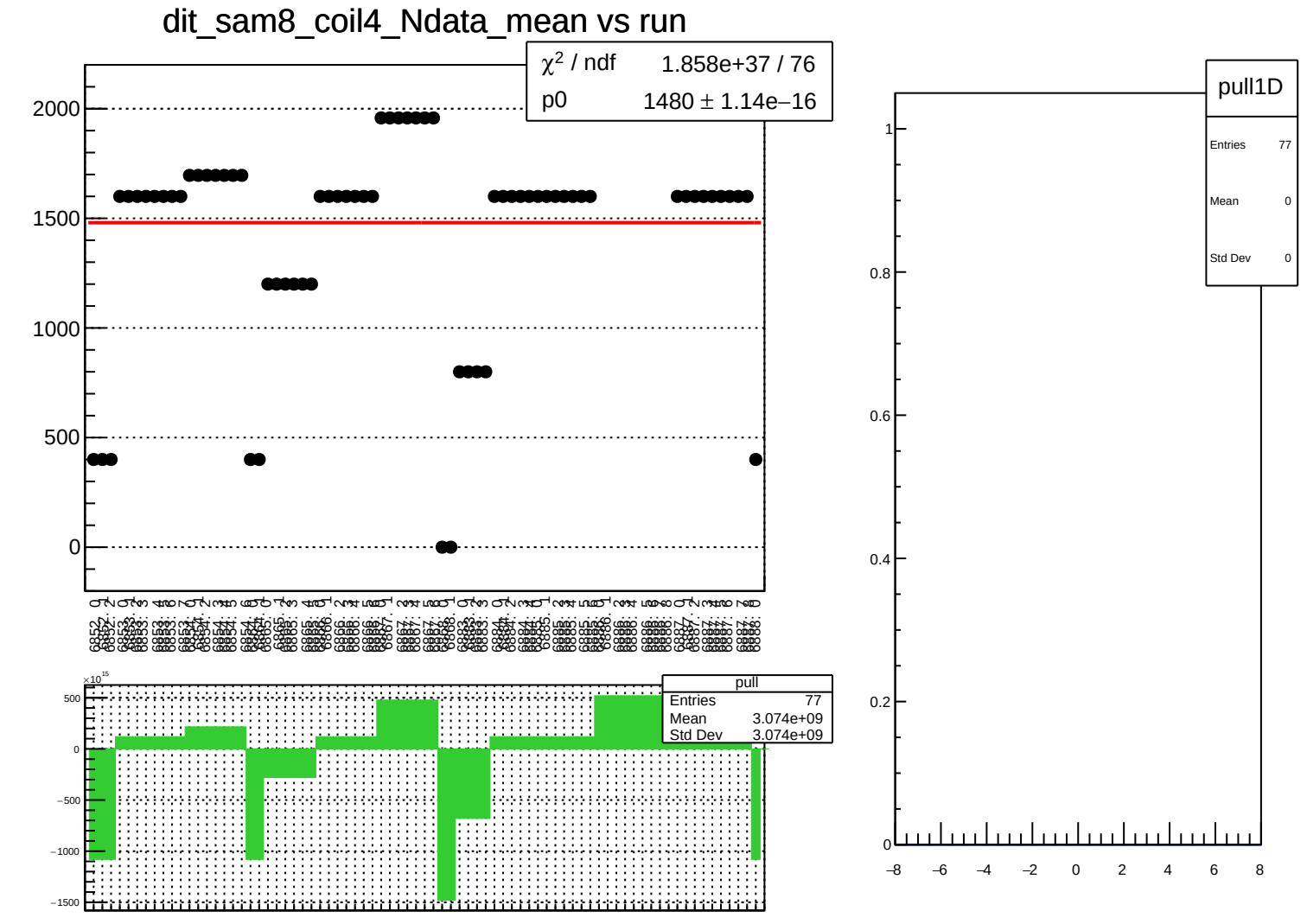

dit_sam8_coil4_mean vs run
χ^2 / ndf 4.018e+36 / 76
p0 1128 ± 1.14e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 2.57e+08
Std Dev 2.57e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200

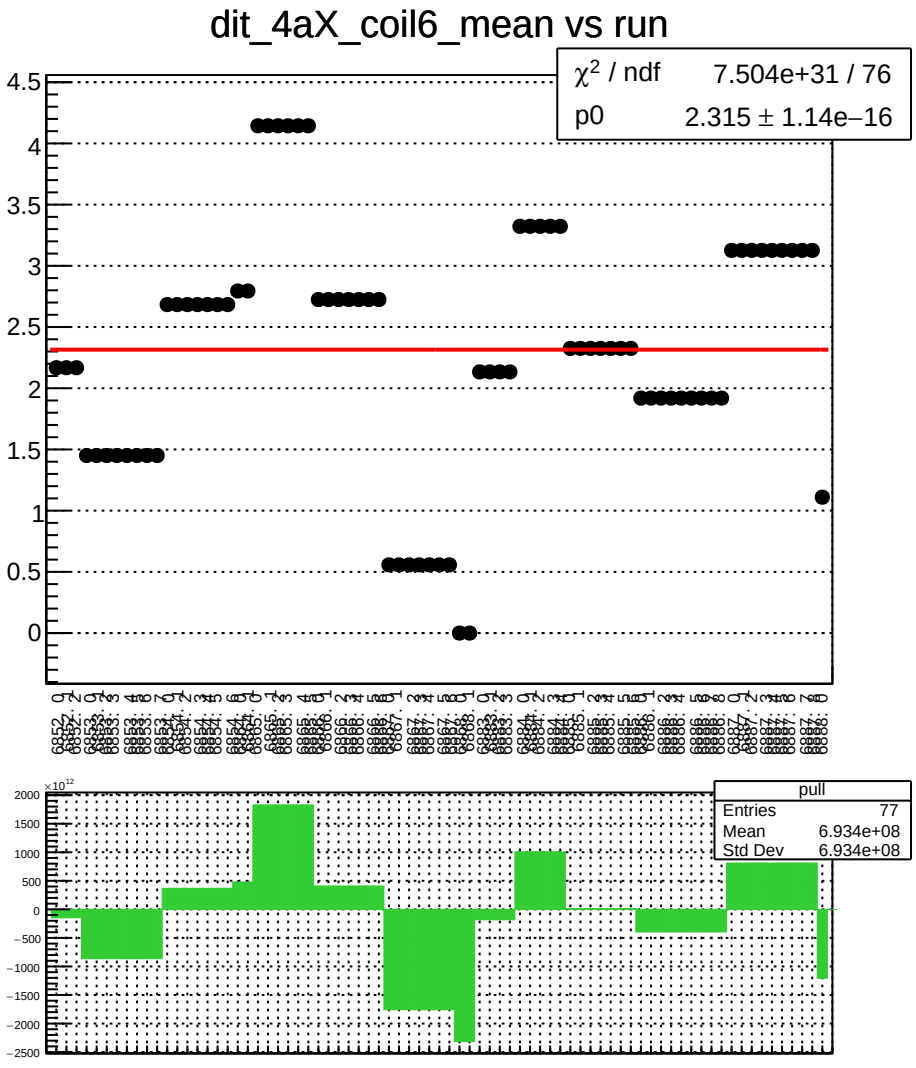

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

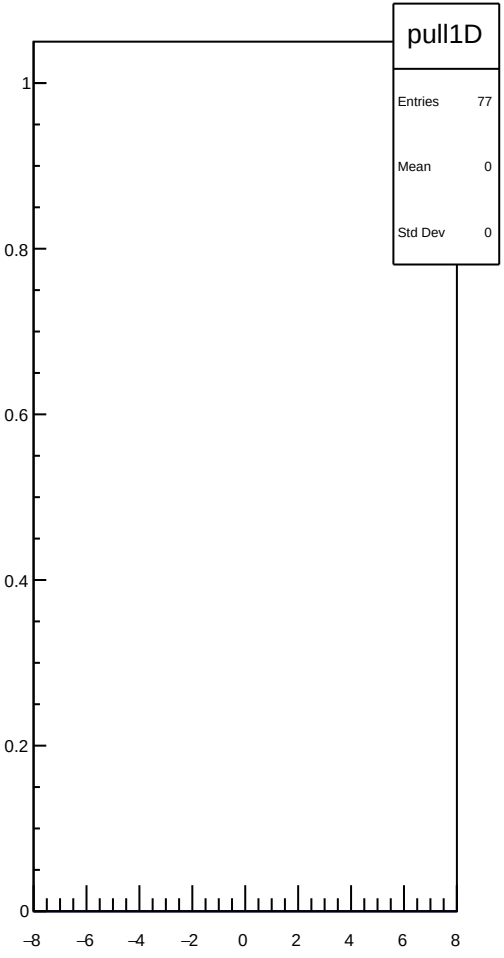
dit_sam8_coil4_err_mean vs run



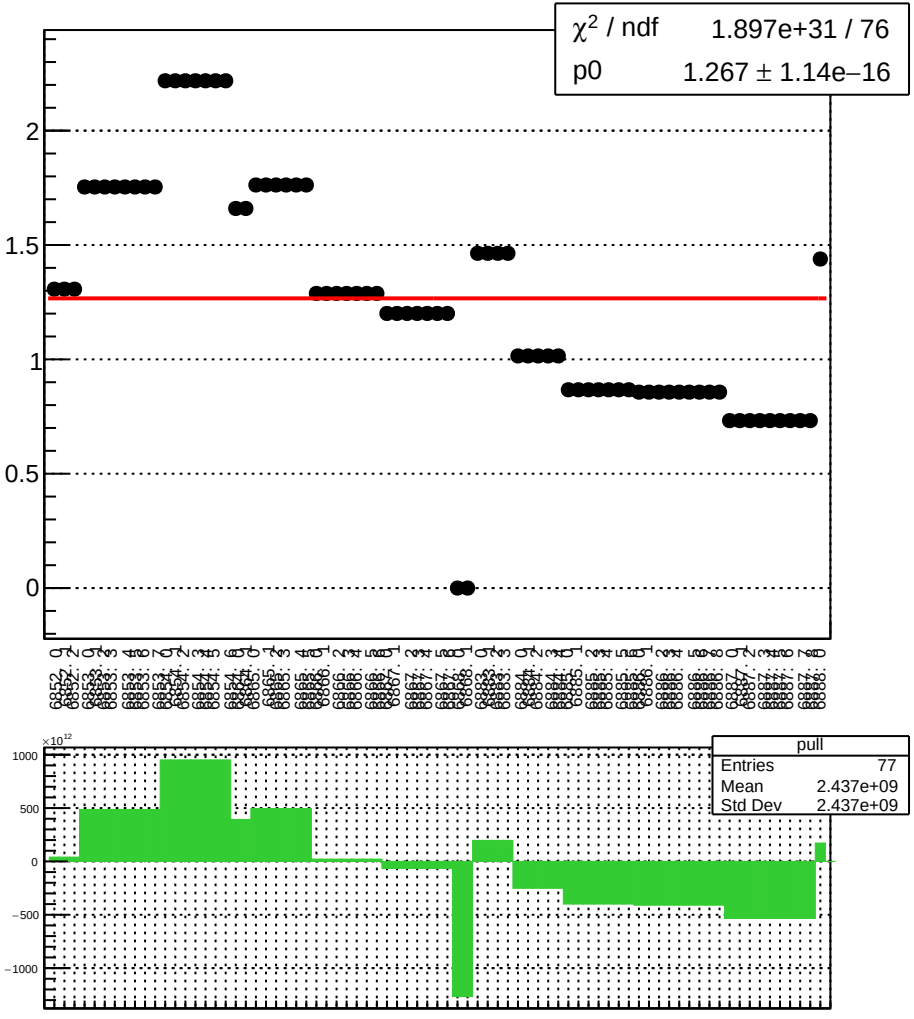


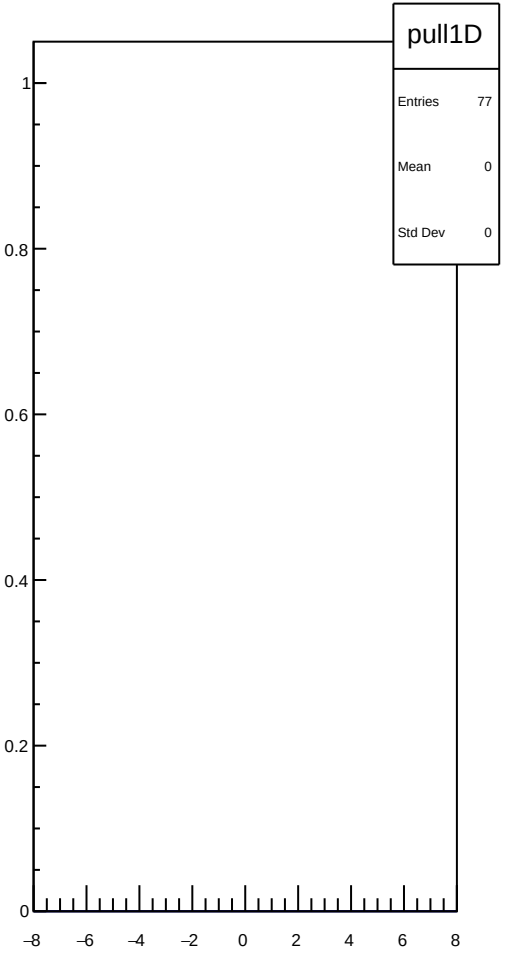

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.858e+37 / 76
p0 1480 ± 1.14e−16
2000
1500
1000
500
0
pull
Entries 77
Mean 3.074e+09
Std Dev 3.074e+09
500
0
−500
−1000
−1500
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil6_mean vs run
χ^2 / ndf 7.504e+31 / 76
p0 2.315 ± 1.14e−16
pull
Entries 77
Mean 6.934e+08
Std Dev 6.934e+08

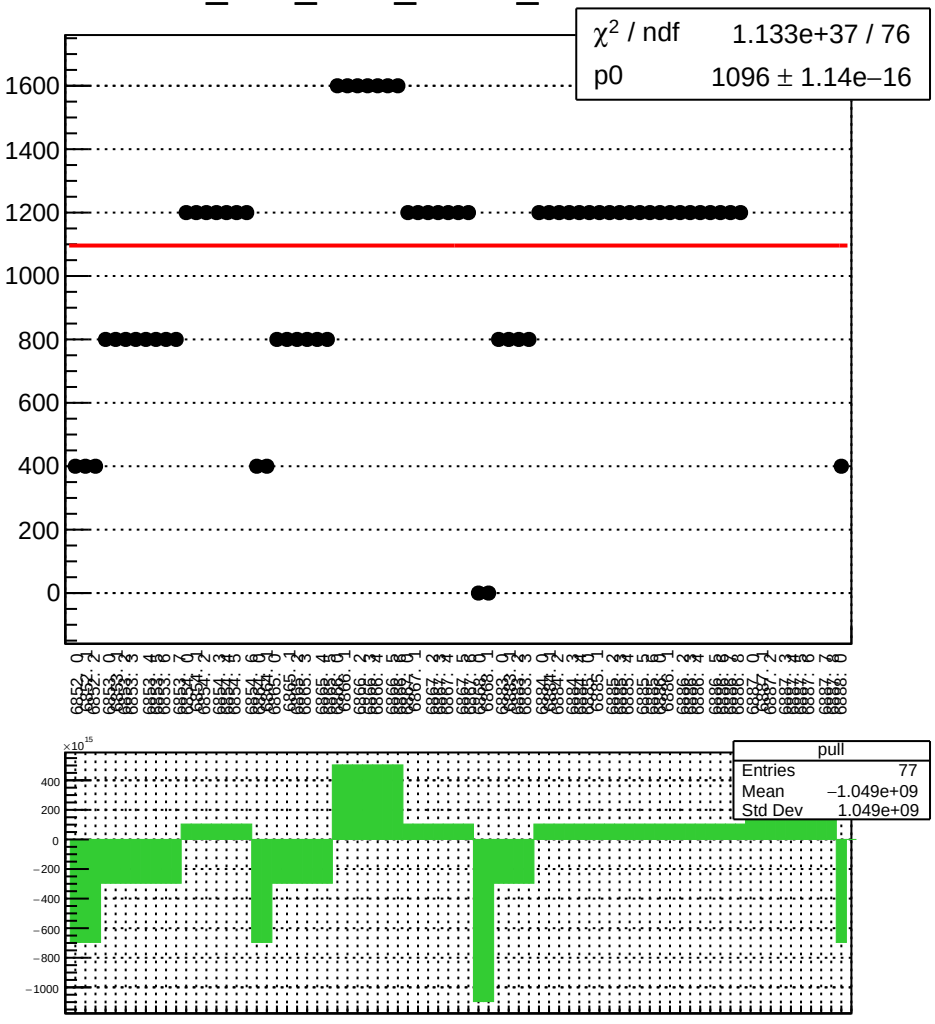

pull1D
Entries 77
Mean 0
Std Dev 0

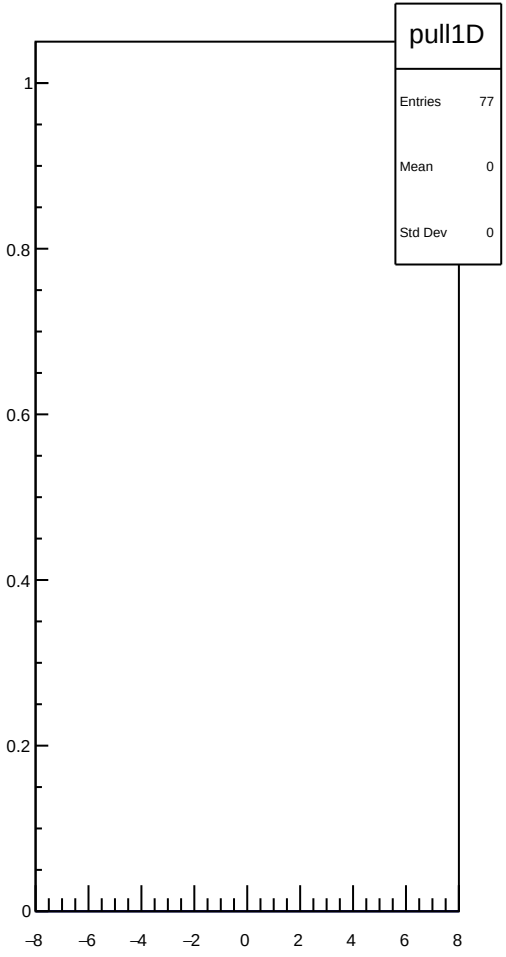
dit_4aX_coil6_err_mean vs run



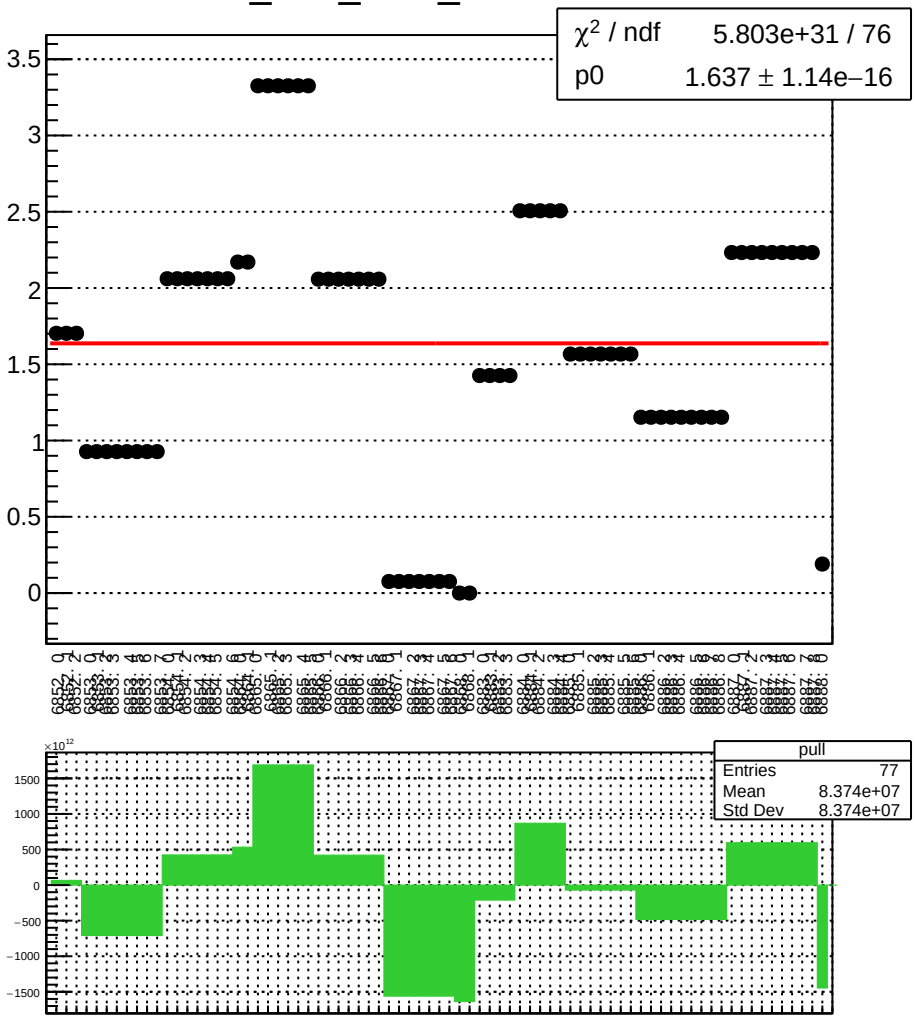


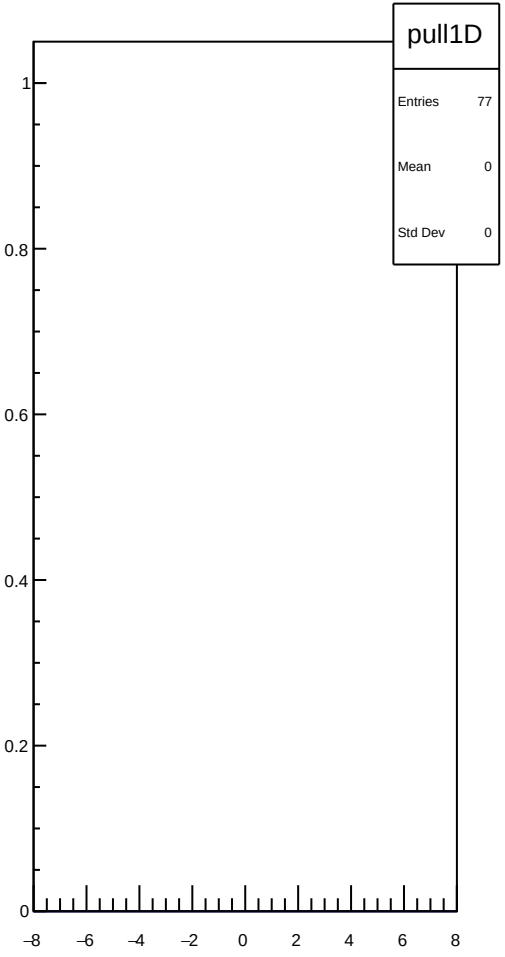
dit_4aX_coil6_Ndata_mean vs run



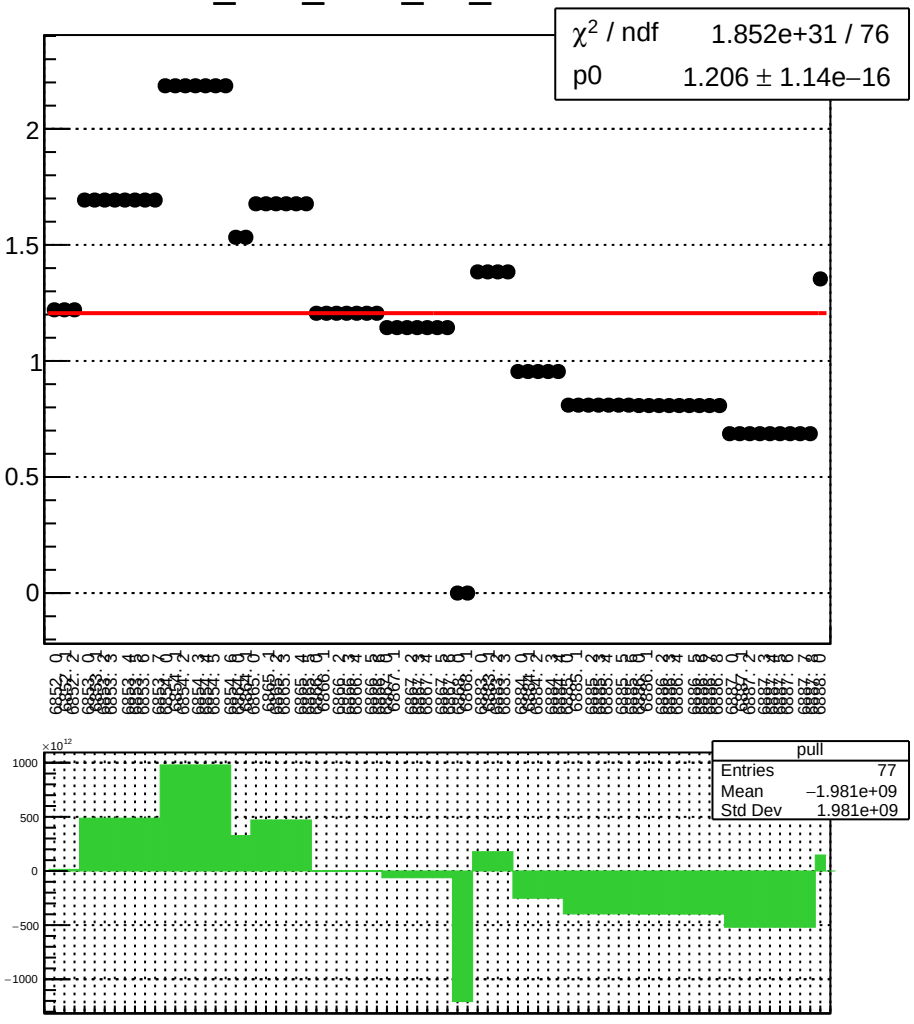


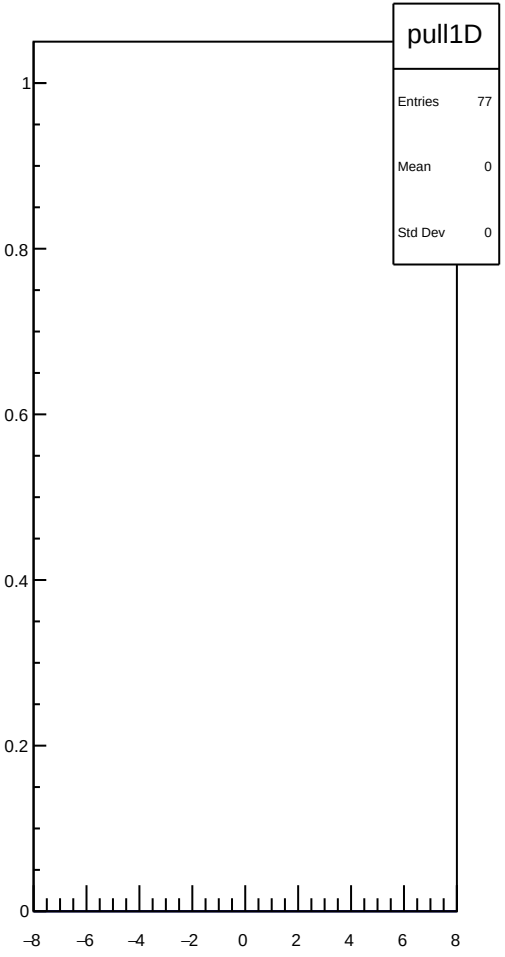
dit_4eX_coil6_mean vs run



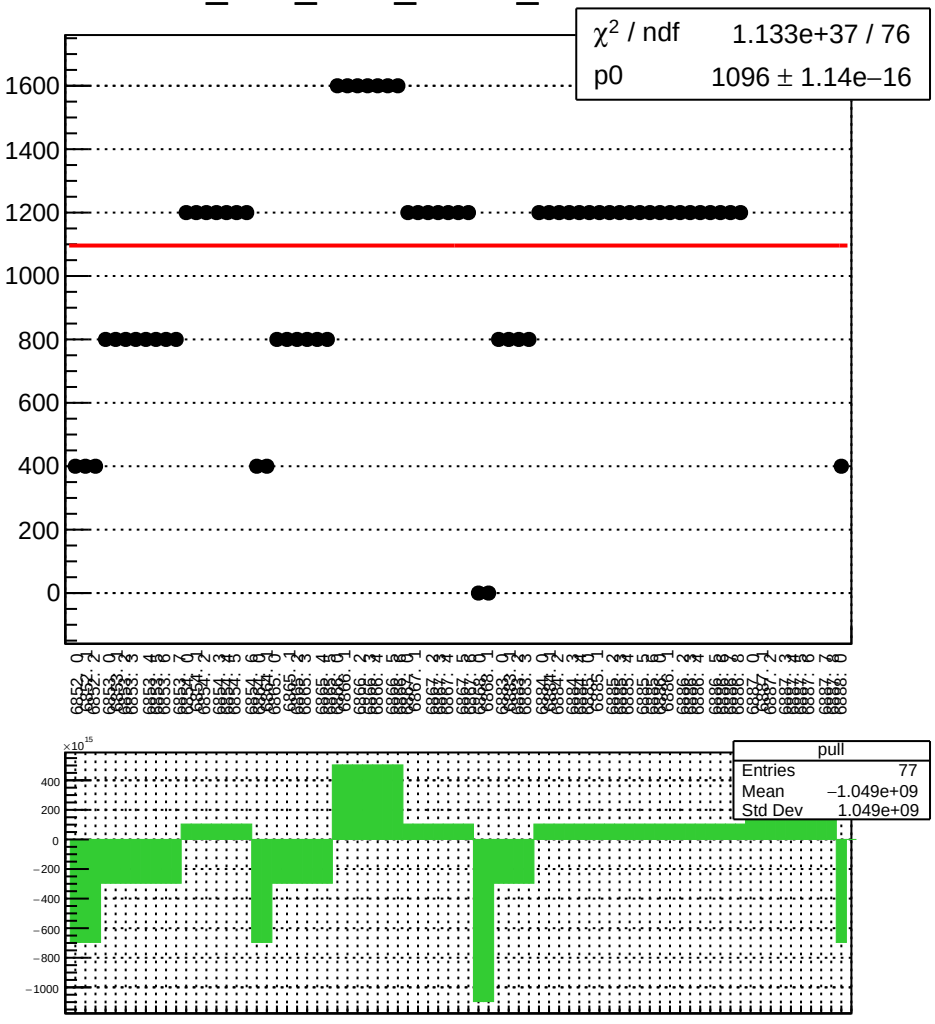


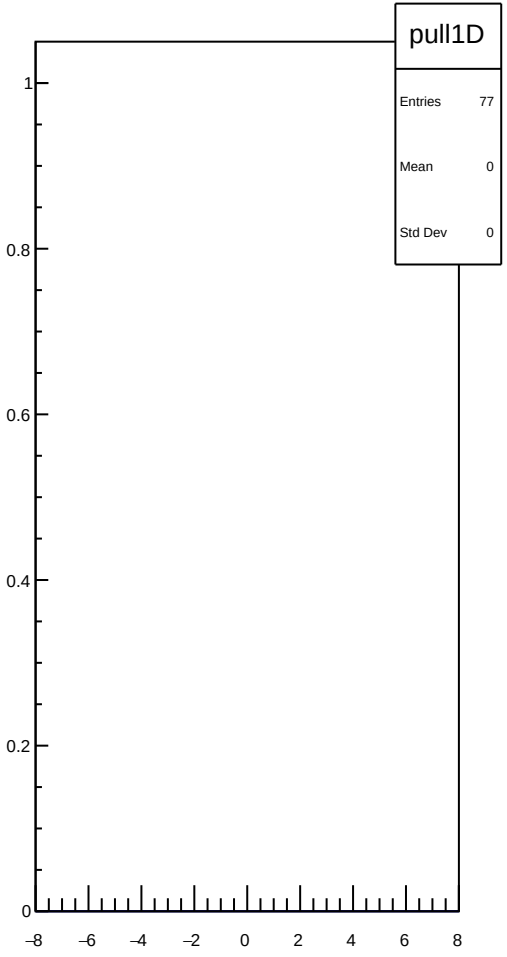
dit_4eX_coil6_err_mean vs run

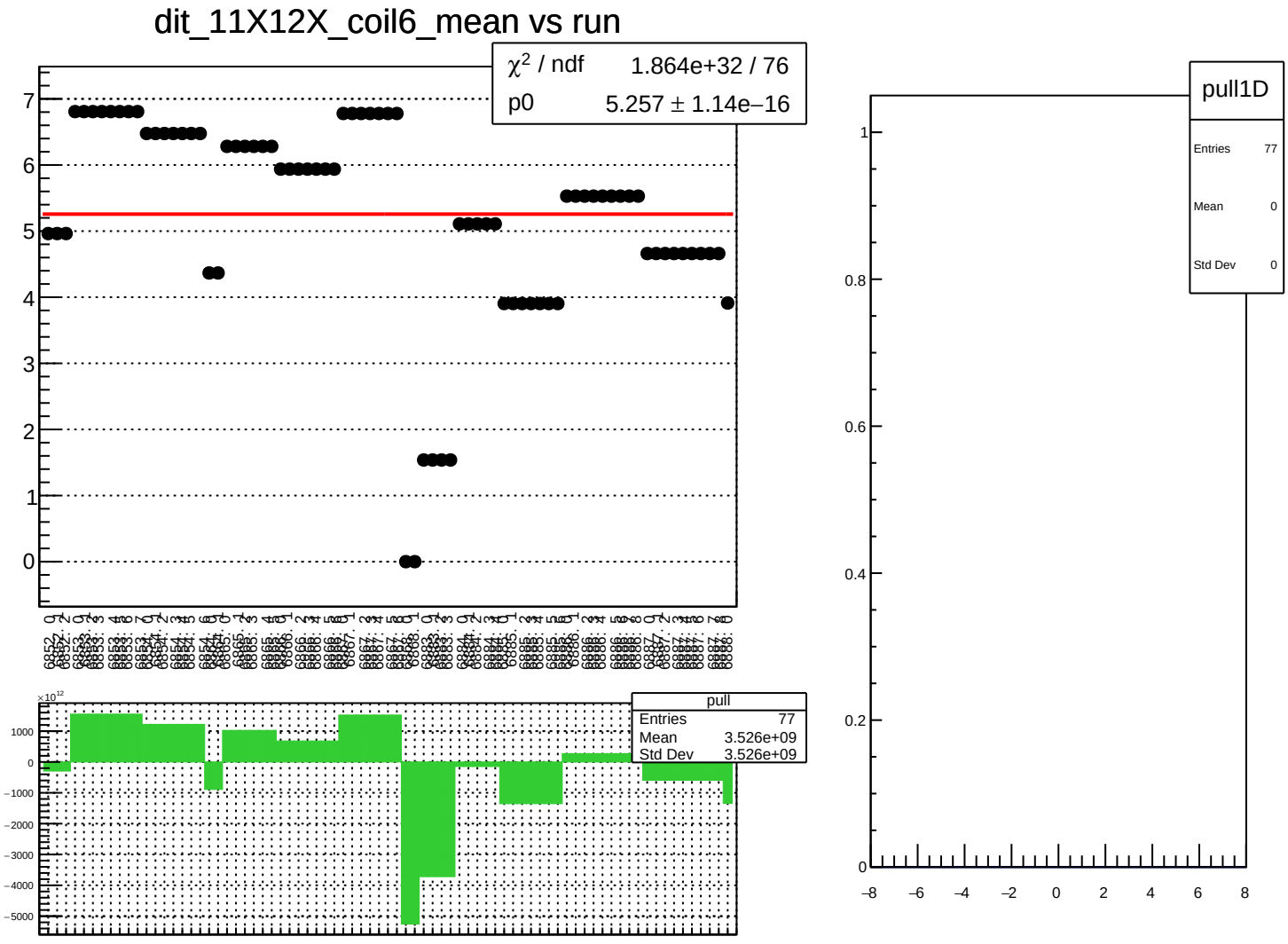




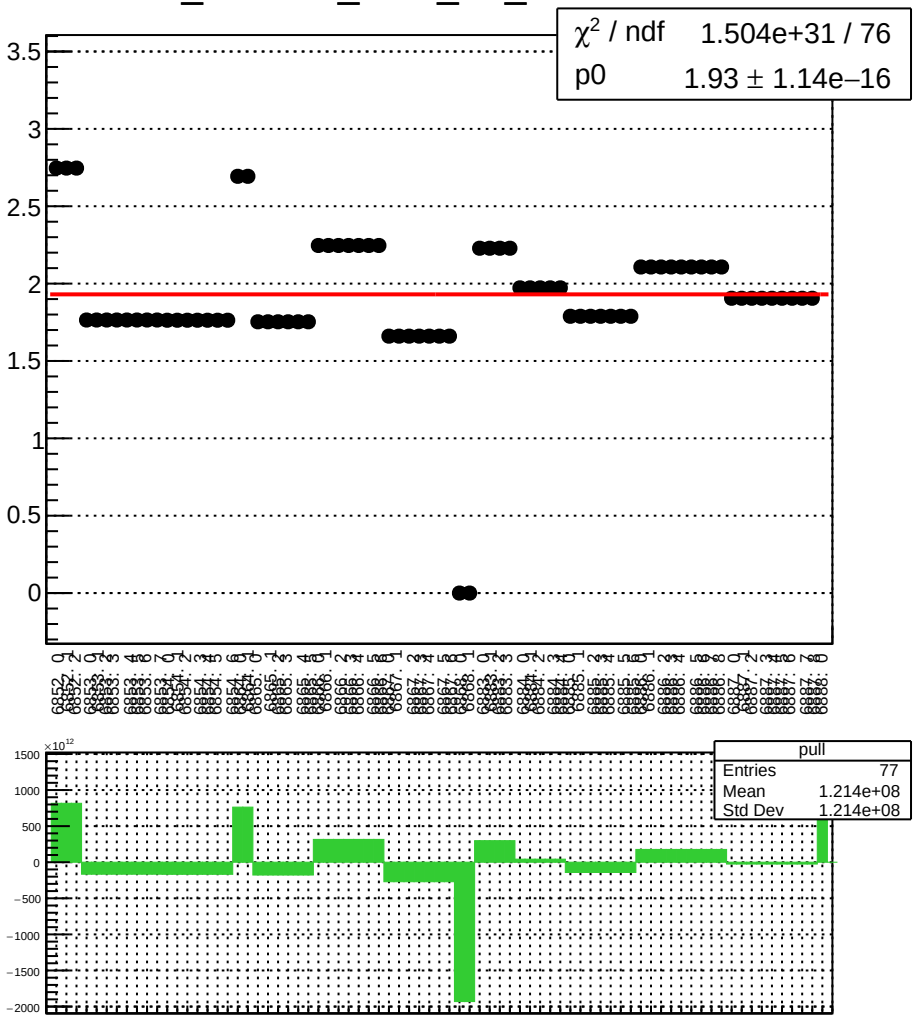
dit_4eX_coil6_Ndata_mean vs run

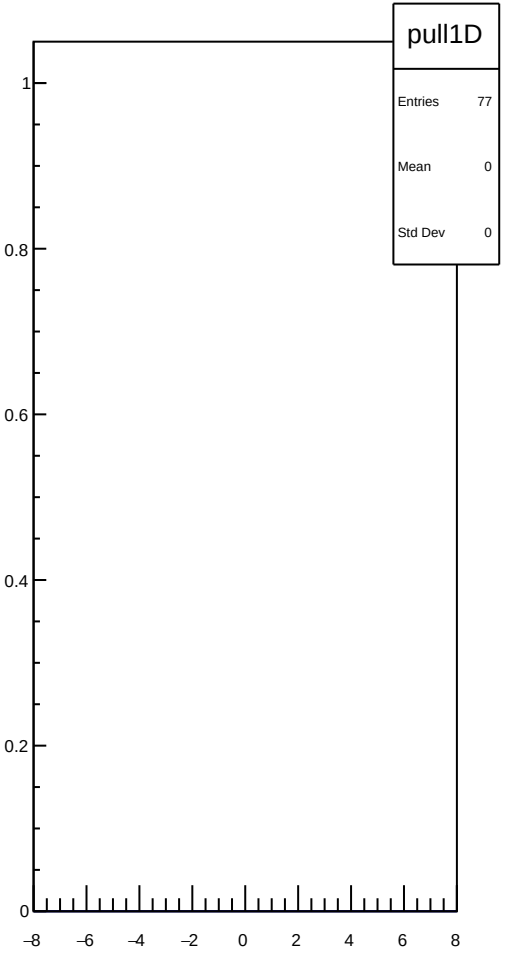


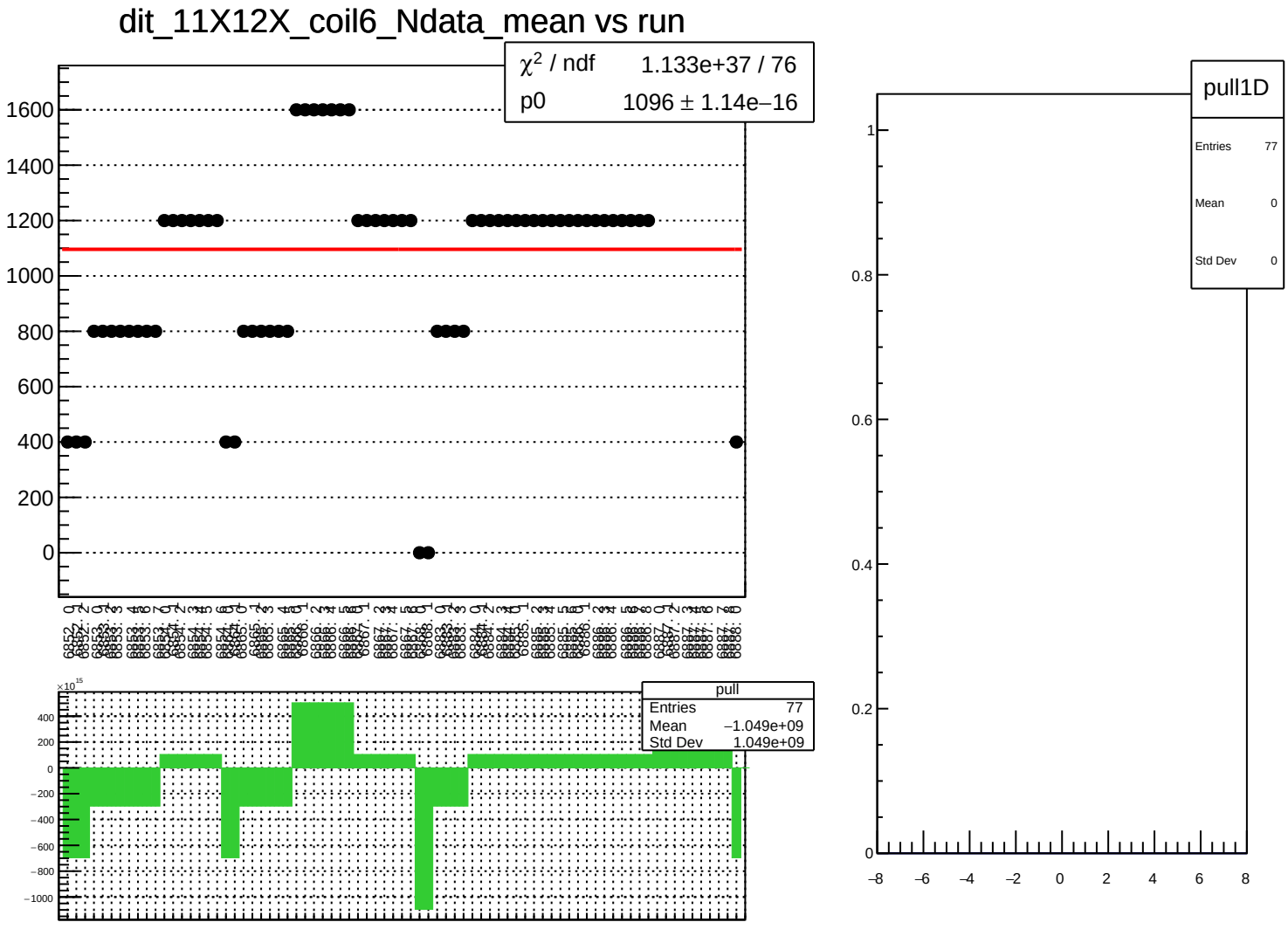


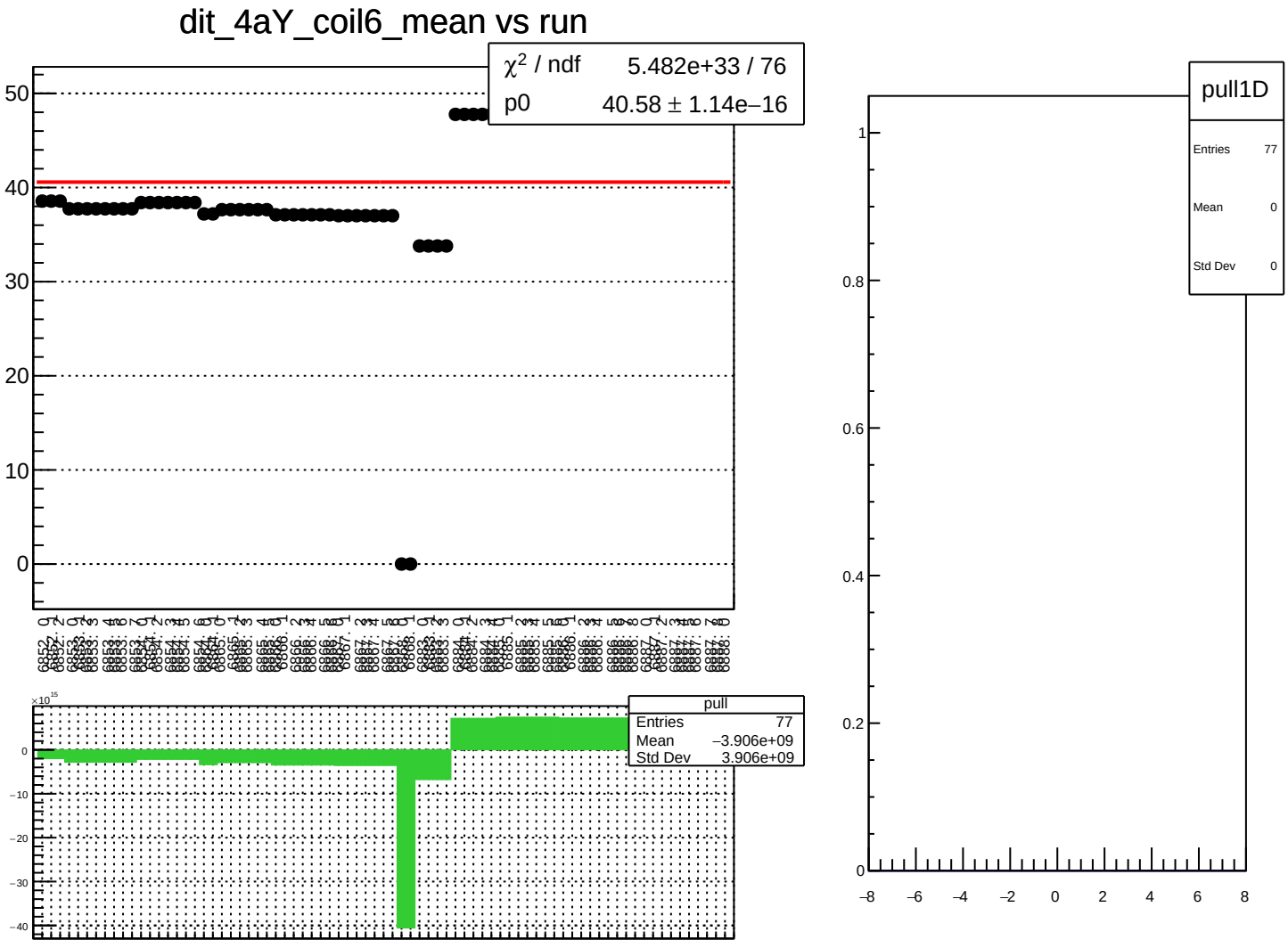

dit_11X12X_coil6_mean vs run
χ² / ndf 1.864e+32 / 76
p0 5.257 ± 1.14e−16
pull
Entries 77
Mean 3.526e+09
Std Dev 3.526e+09
pull1D
Entries 77
Mean 0
Std Dev 0

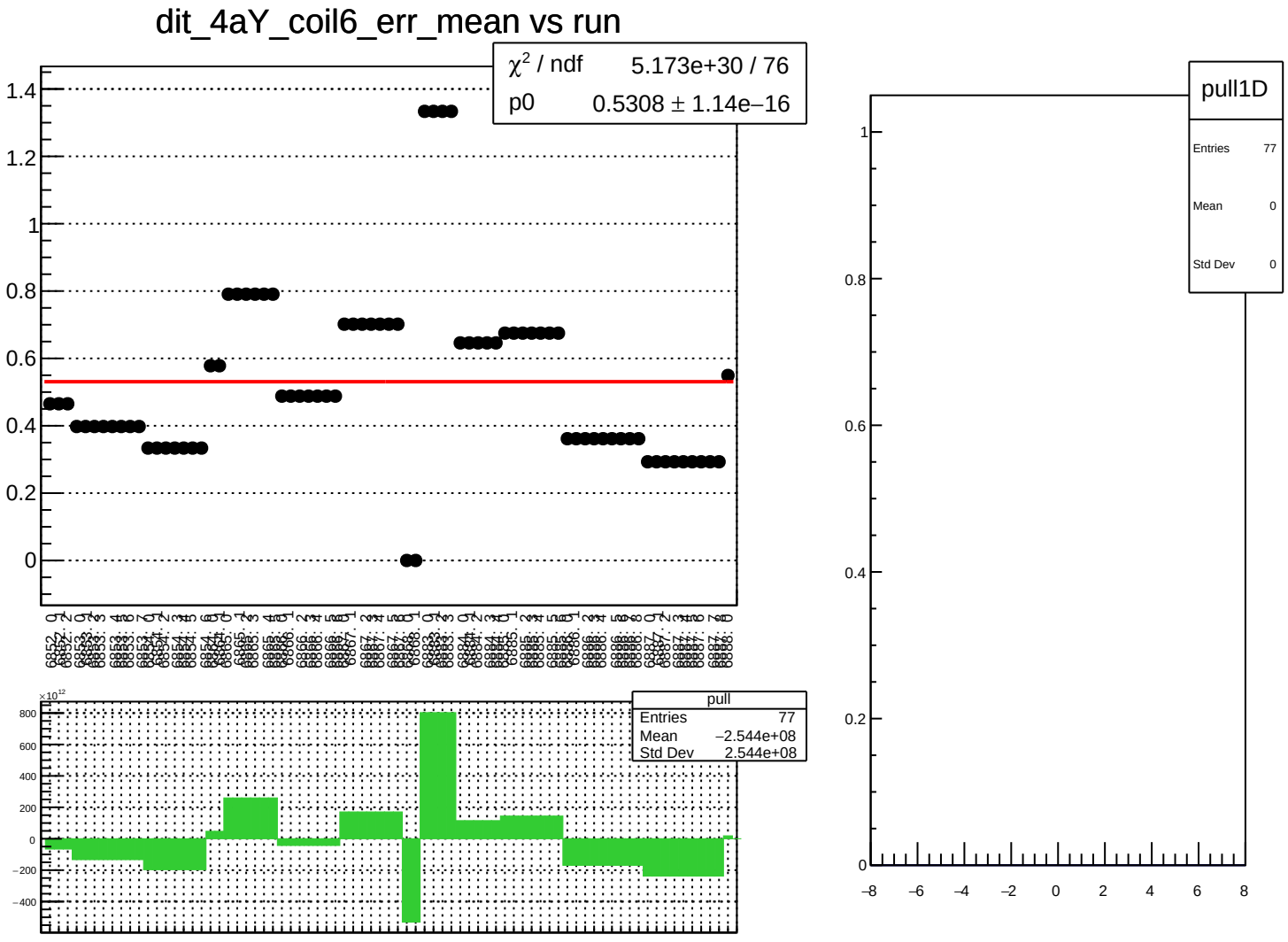
dit_11X12X_coil6_err_mean vs run



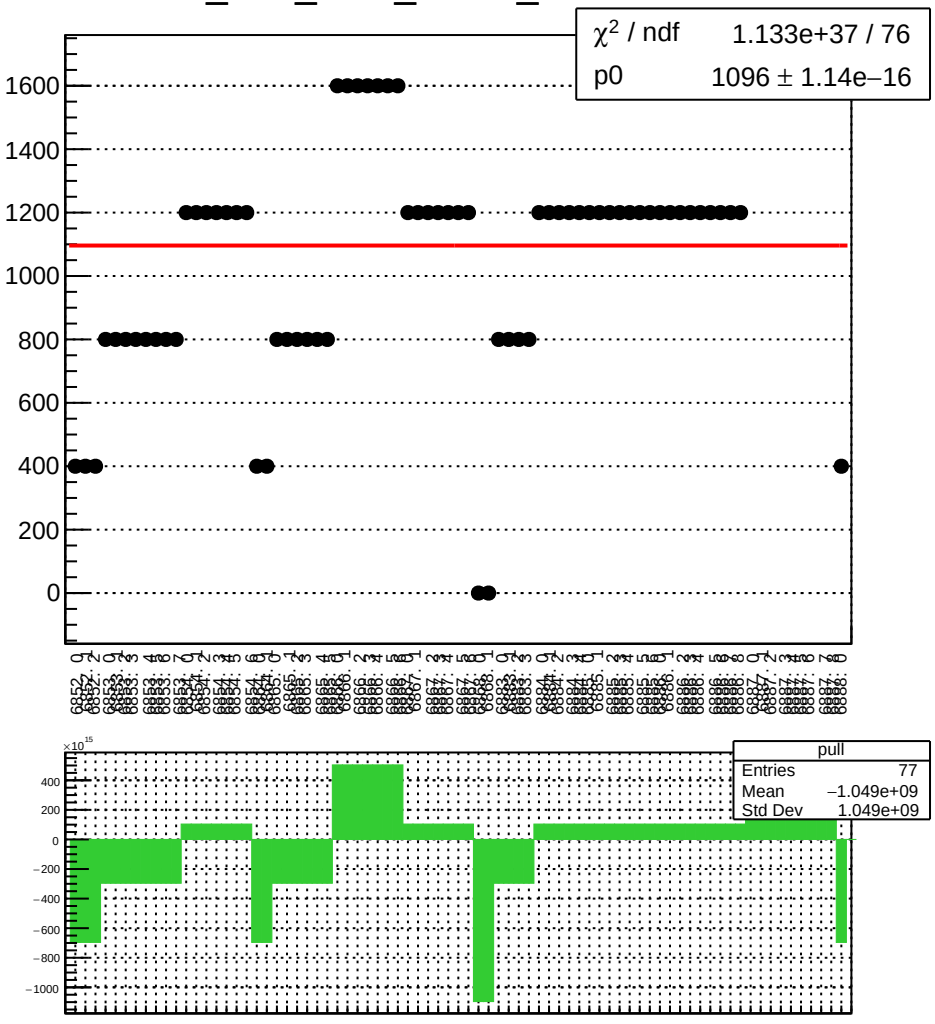


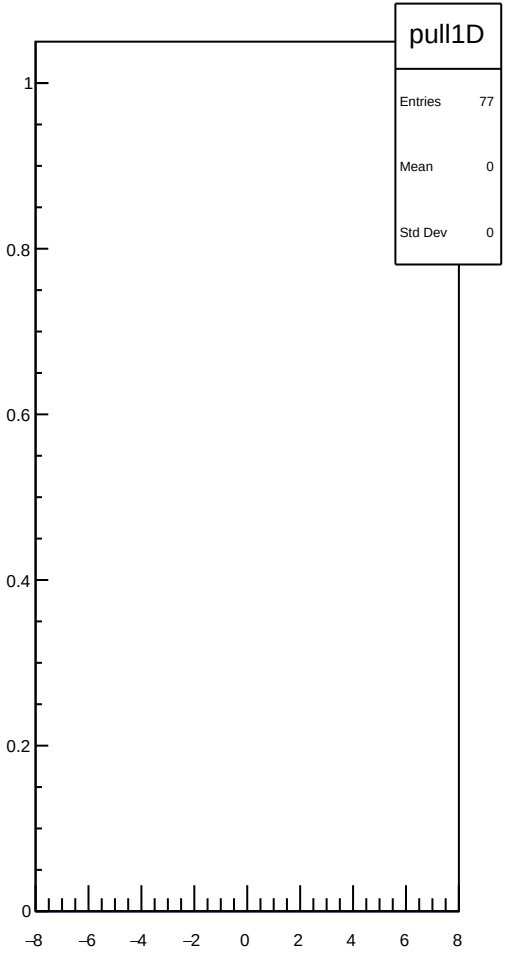

dit_11X12X_coil6_Ndata_mean vs run
χ2 / ndf 1.133e+37 / 76
p0 1096 ± 1.14e−16
pull
Entries 77
Mean −1.049e+09
Std Dev 1.049e+09
pull1D
Entries 77
Mean 0
Std Dev 0

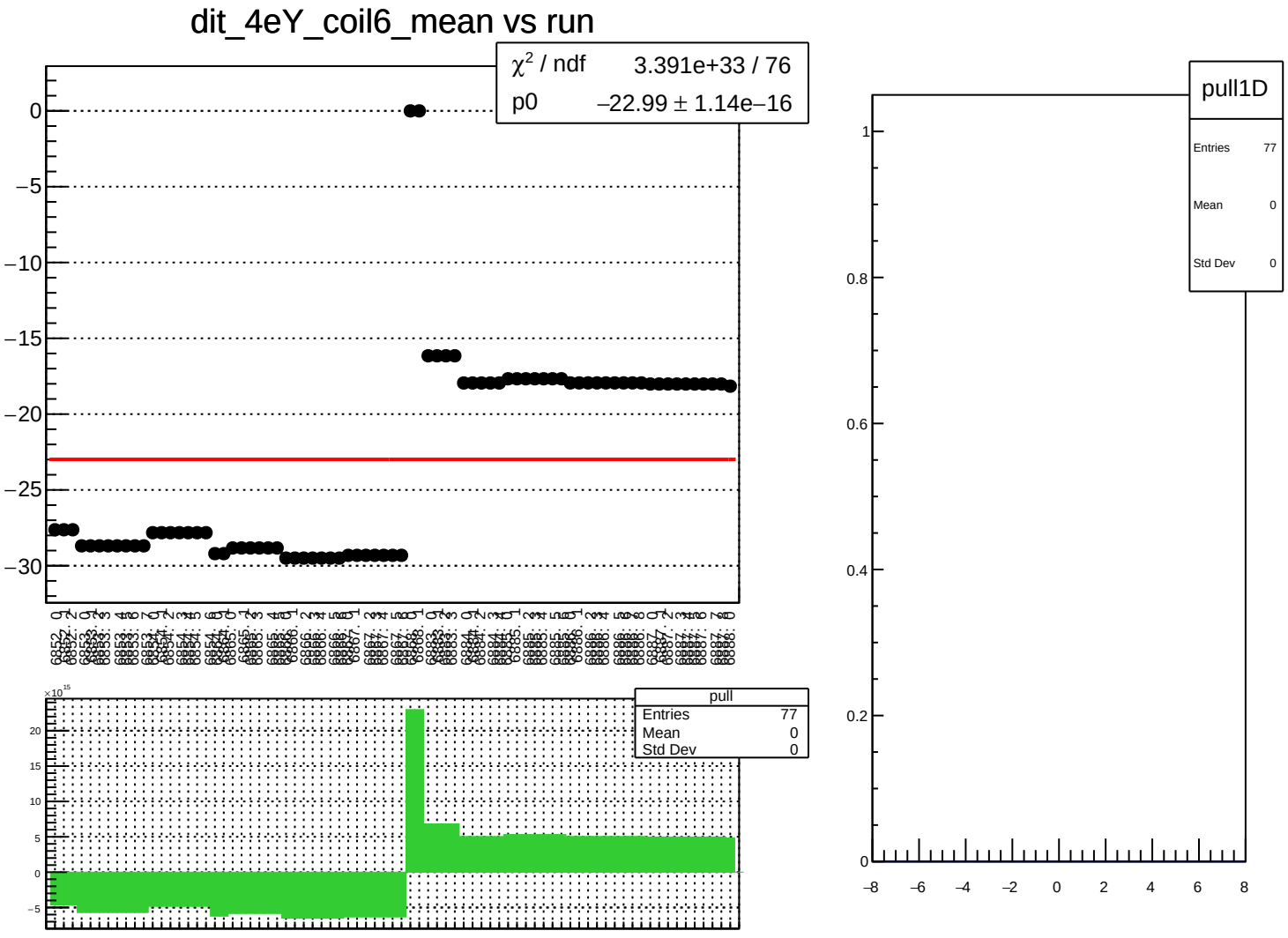

dit_4aY_coil6_mean vs run
χ^2 / ndf 5.482e+33 / 76
p0 40.58 ± 1.14e−16
pull
Entries 77
Mean −3.906e+09
Std Dev 3.906e+09
pull1D
Entries 77
Mean 0
Std Dev 0

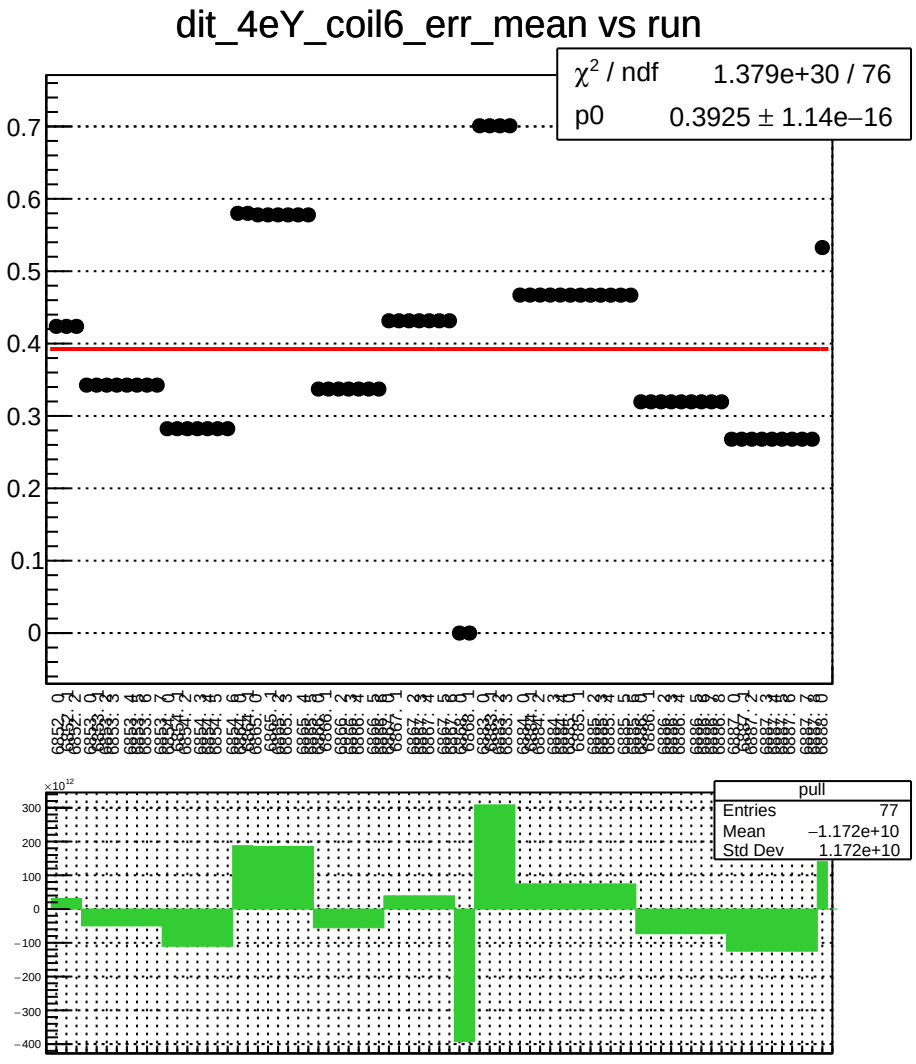

dit_4aY_coil6_err_mean vs run
χ² / ndf 5.173e+30 / 76
p0 0.5308 ± 1.14e−16
pull
Entries 77
Mean −2.544e+08
Std Dev 2.544e+08
pull1D
Entries 77
Mean 0
Std Dev 0

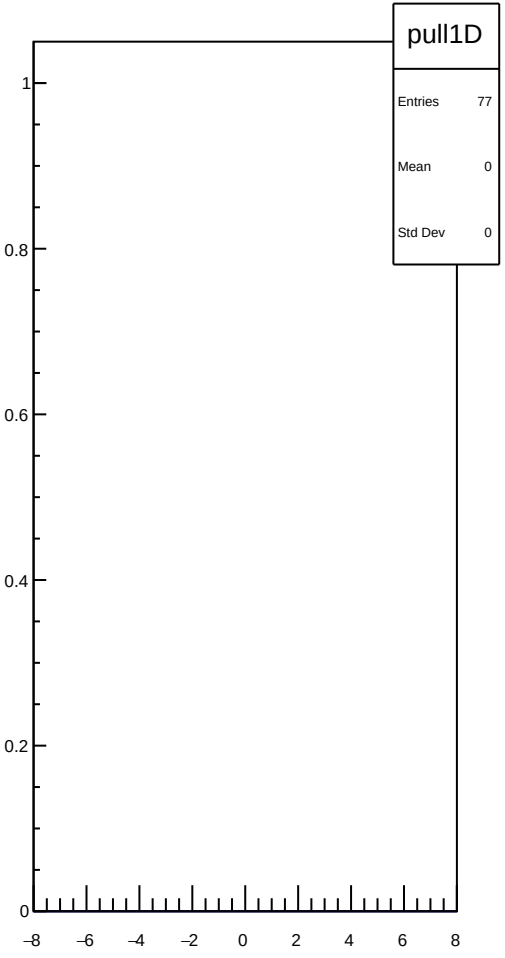
dit_4aY_coil6_Ndata_mean vs run



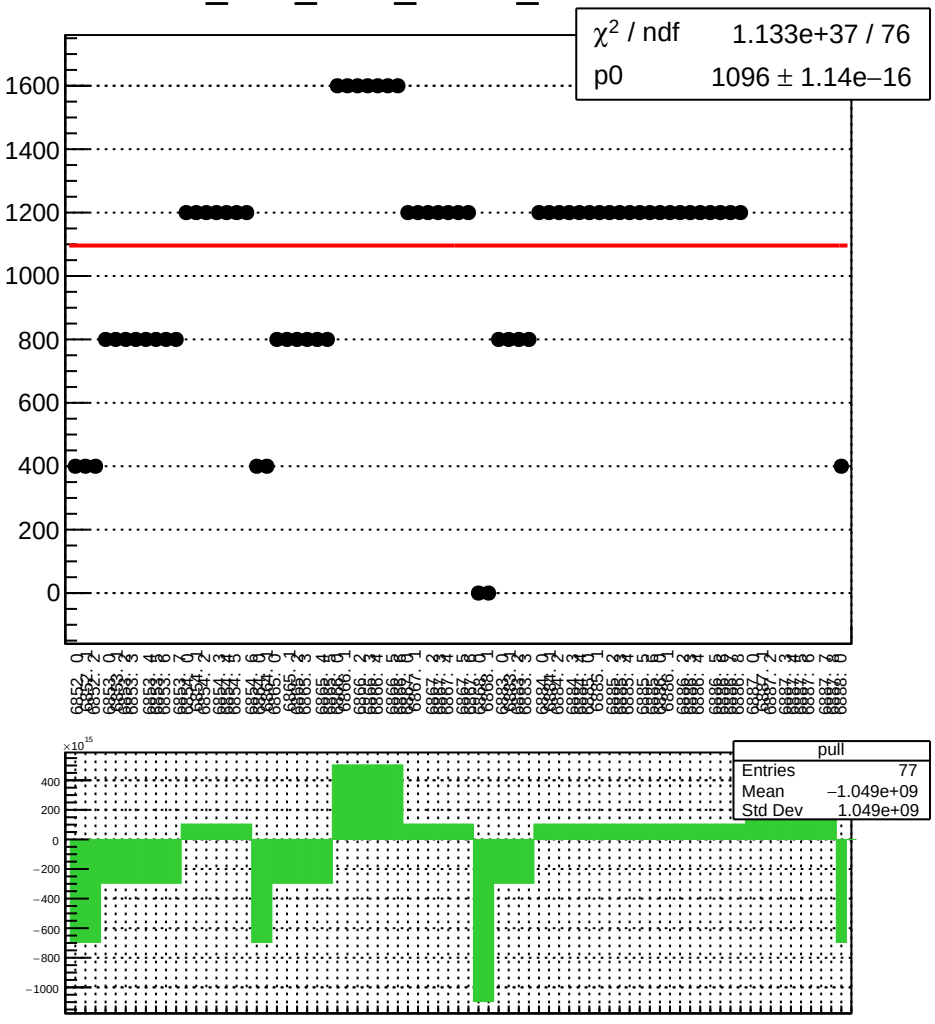


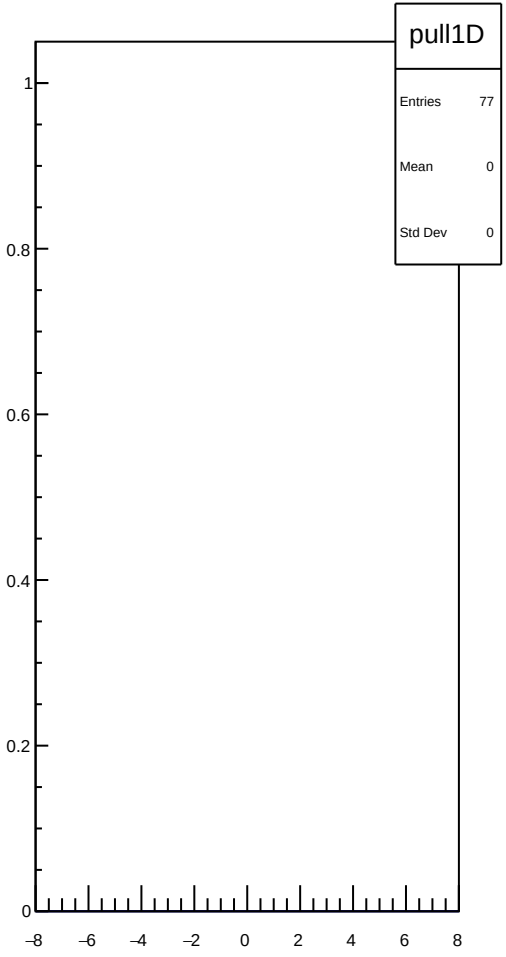

dit_4eY_coil6_mean vs run
χ² / ndf 3.391e+33 / 76
p0 –22.99 ± 1.14e–16
pull
Entries 77
Mean 0
Std Dev 0
pull1D
Entries 77
Mean 0
Std Dev 0

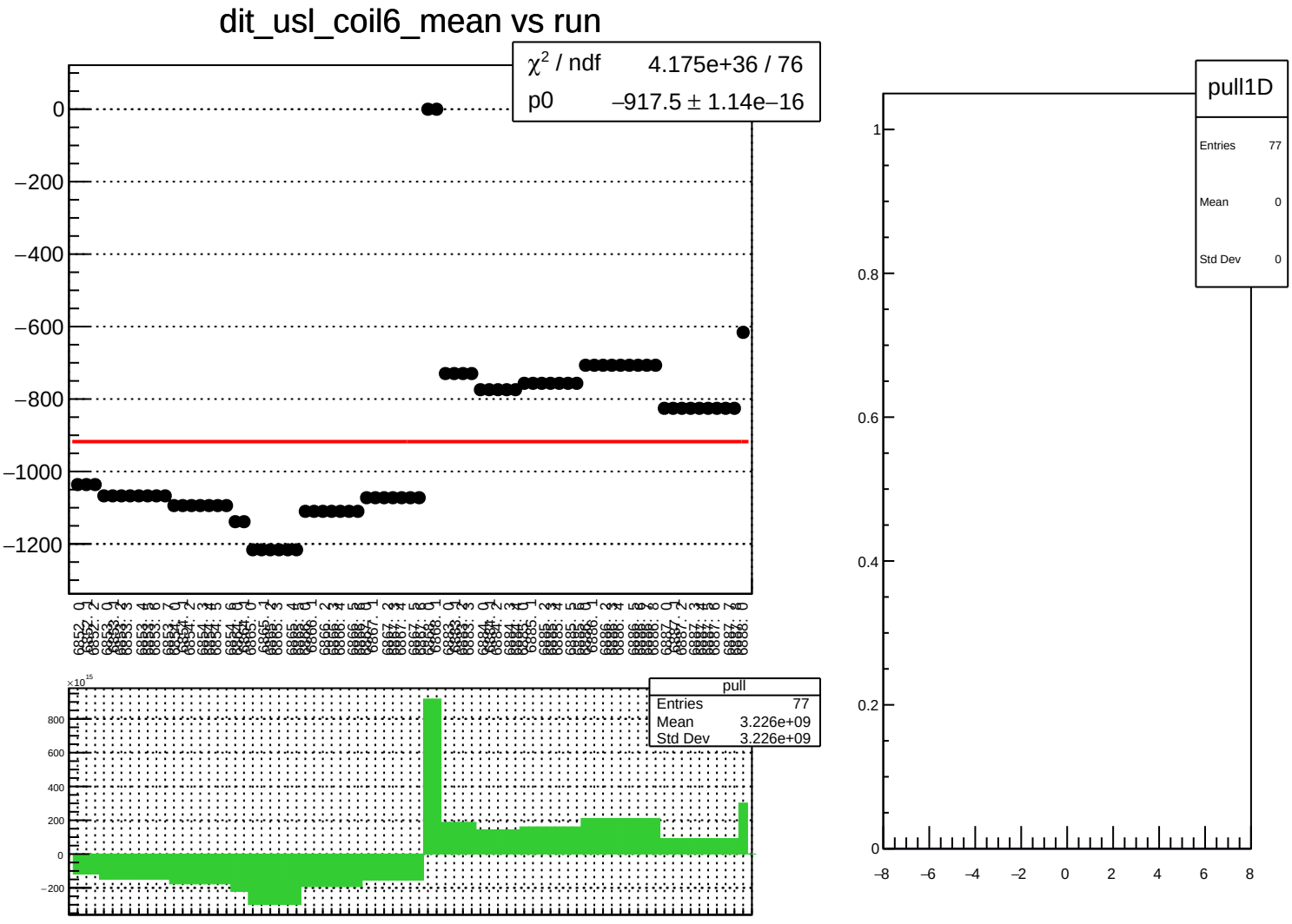

dit_4eY_coil6_err_mean vs run
χ² / ndf 1.379e+30 / 76
p0 0.3925 ± 1.14e−16
pull
Entries 77
Mean −1.172e+10
Std Dev 1.172e+10

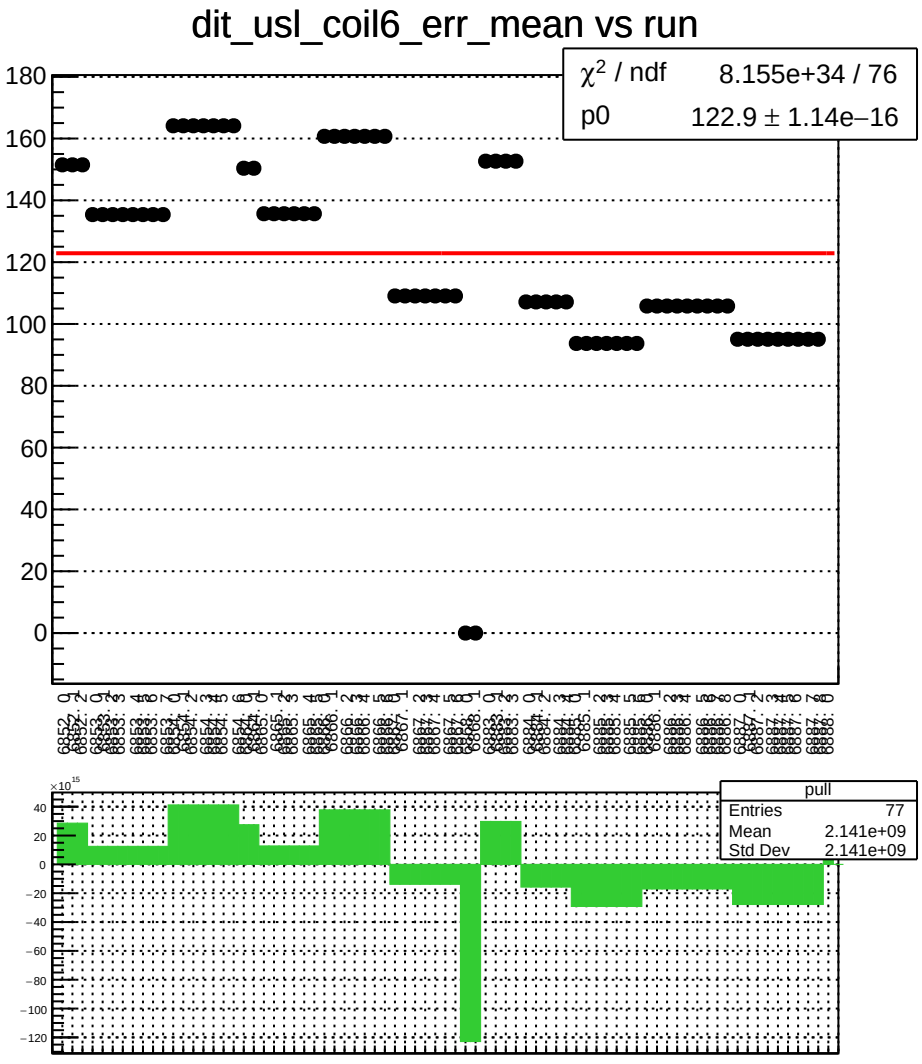

pull1D
Entries 77
Mean 0
Std Dev 0

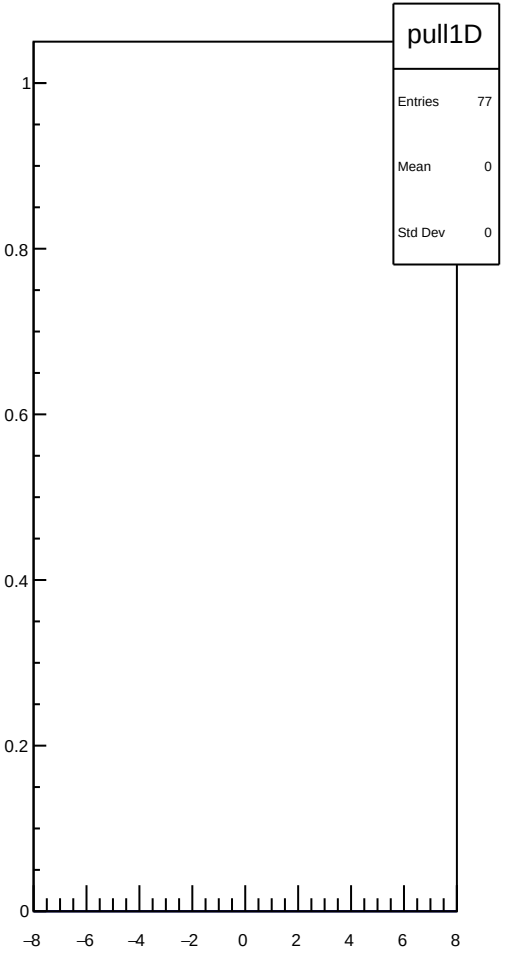
dit_4eY_coil6_Ndata_mean vs run

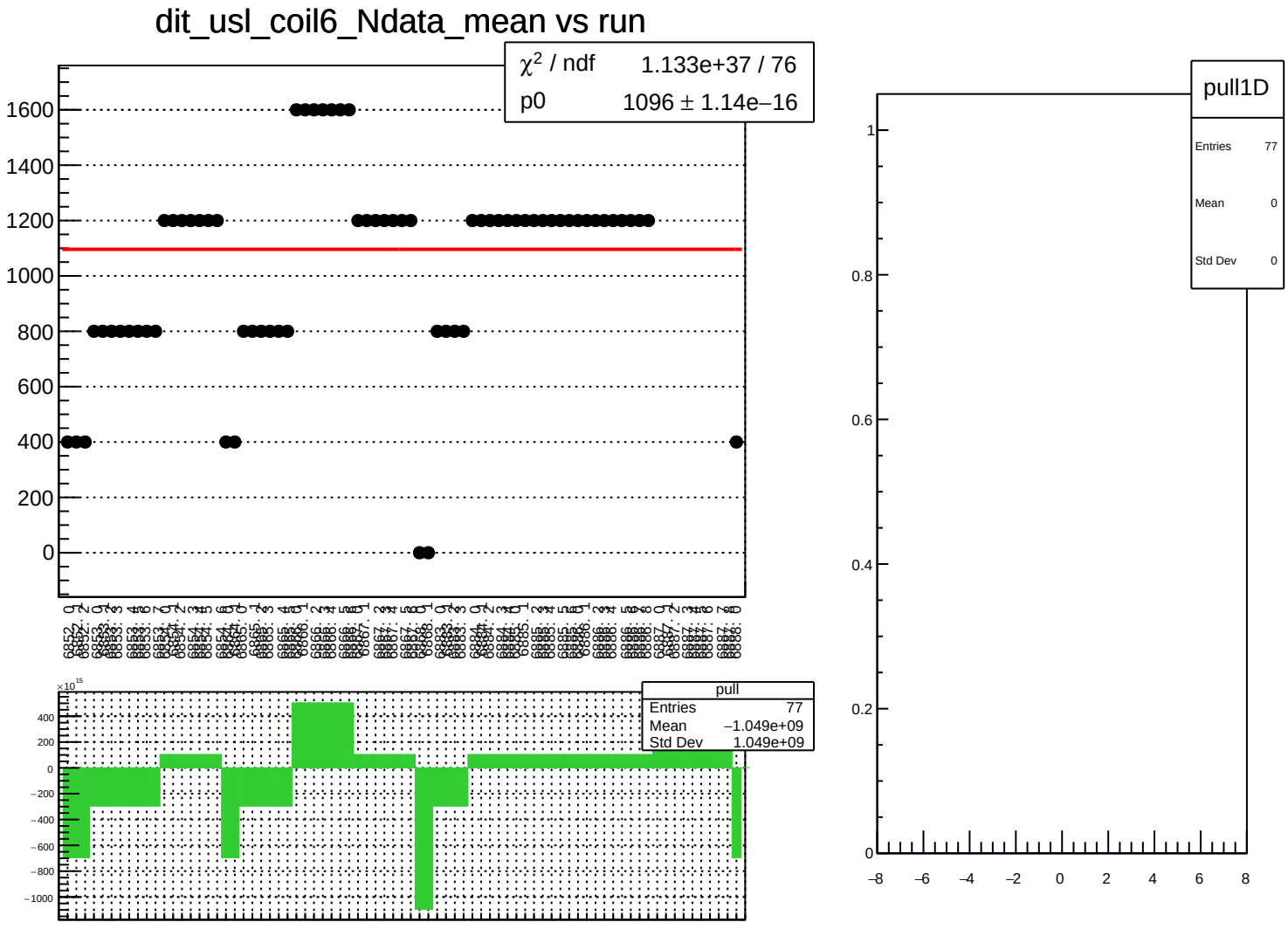


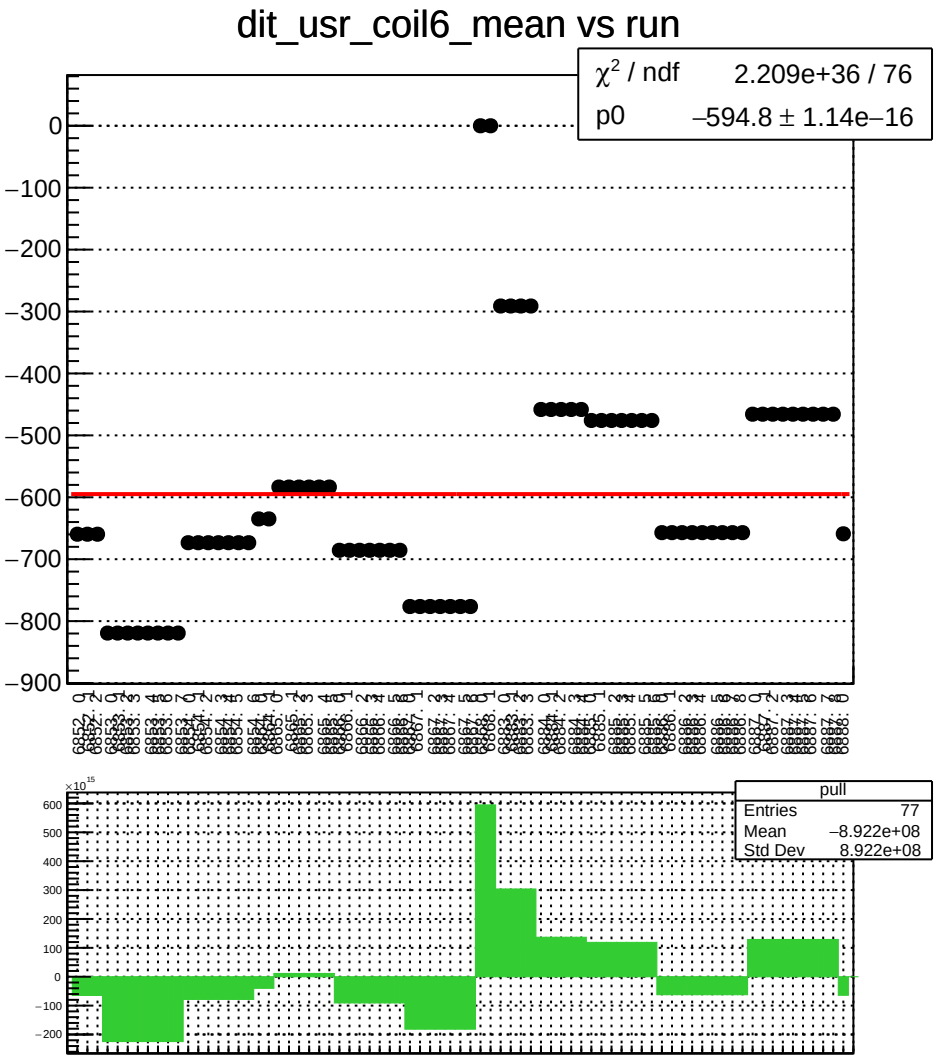


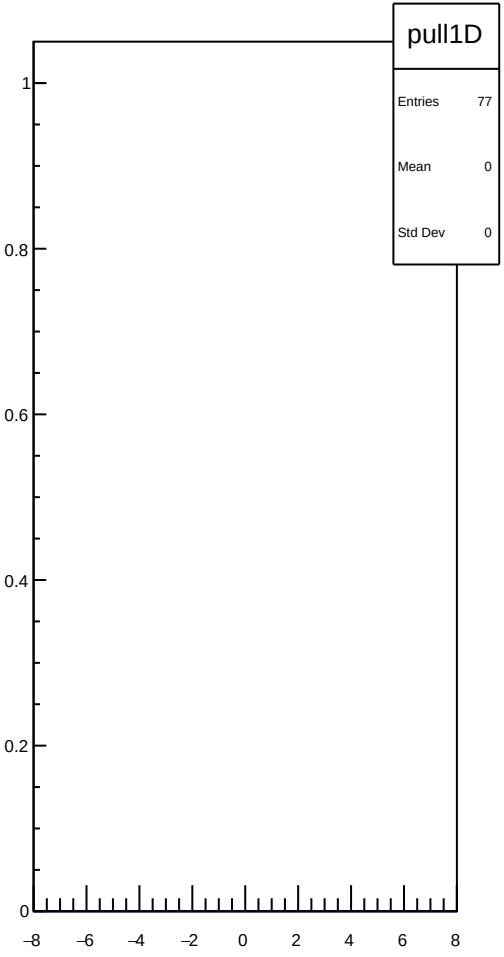

dit_usl_coil6_mean vs run
χ² / ndf 4.175e+36 / 76
p0 –917.5 ± 1.14e–16
0
–200
–400
–600
–800
–1000
–1200
pull
Entries 77
Mean 3.226e+09
Std Dev 3.226e+09
×10¹⁵
800
600
400
200
0
–200
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

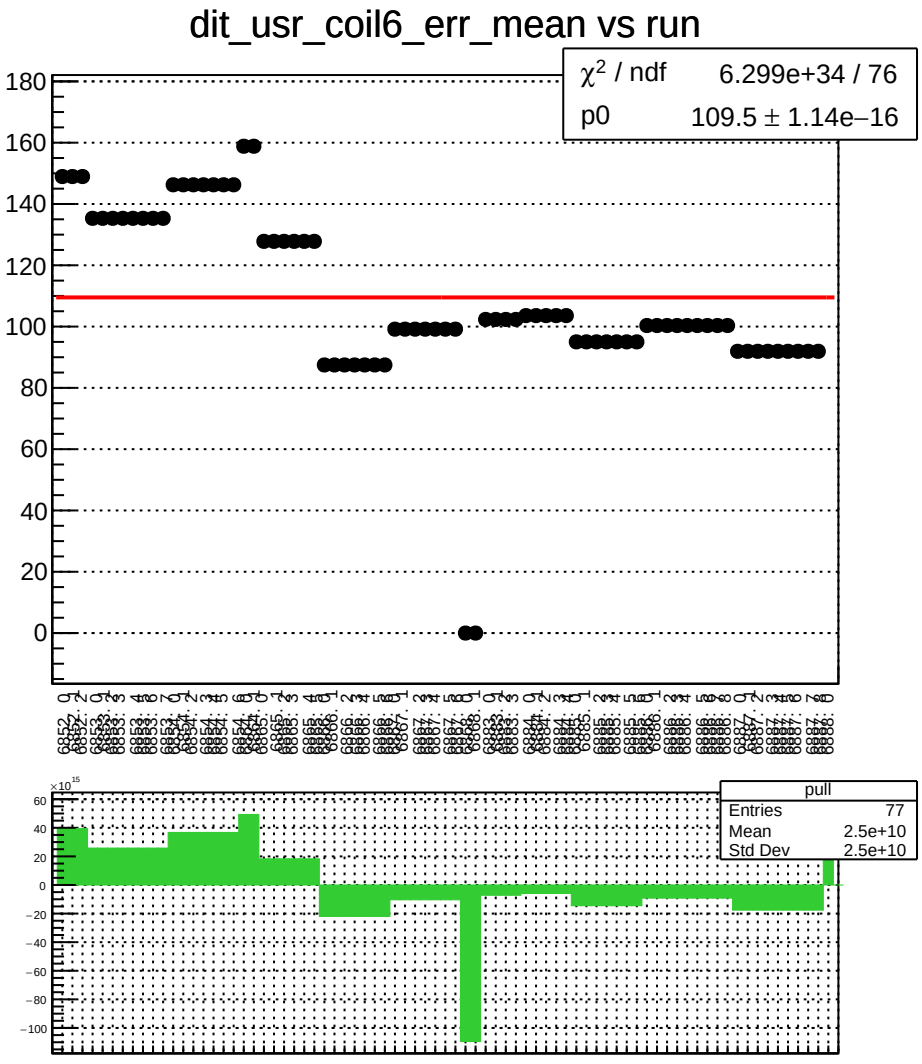

dit_usl_coil6_err_mean vs run
χ² / ndf 8.155e+34 / 76
p0 122.9 ± 1.14e−16
pull
Entries 77
Mean 2.141e+09
Std Dev 2.141e+09

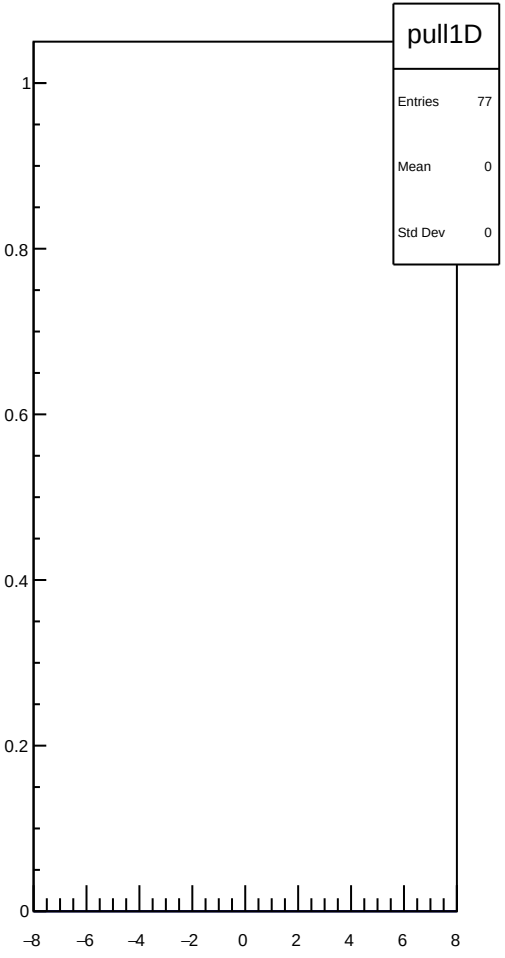

pull1D
Entries 77
Mean 0
Std Dev 0


dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.133e+37 / 76
p0 1096 ± 1.14e−16
pull
Entries 77
Mean −1.049e+09
Std Dev 1.049e+09
pull1D
Entries 77
Mean 0
Std Dev 0

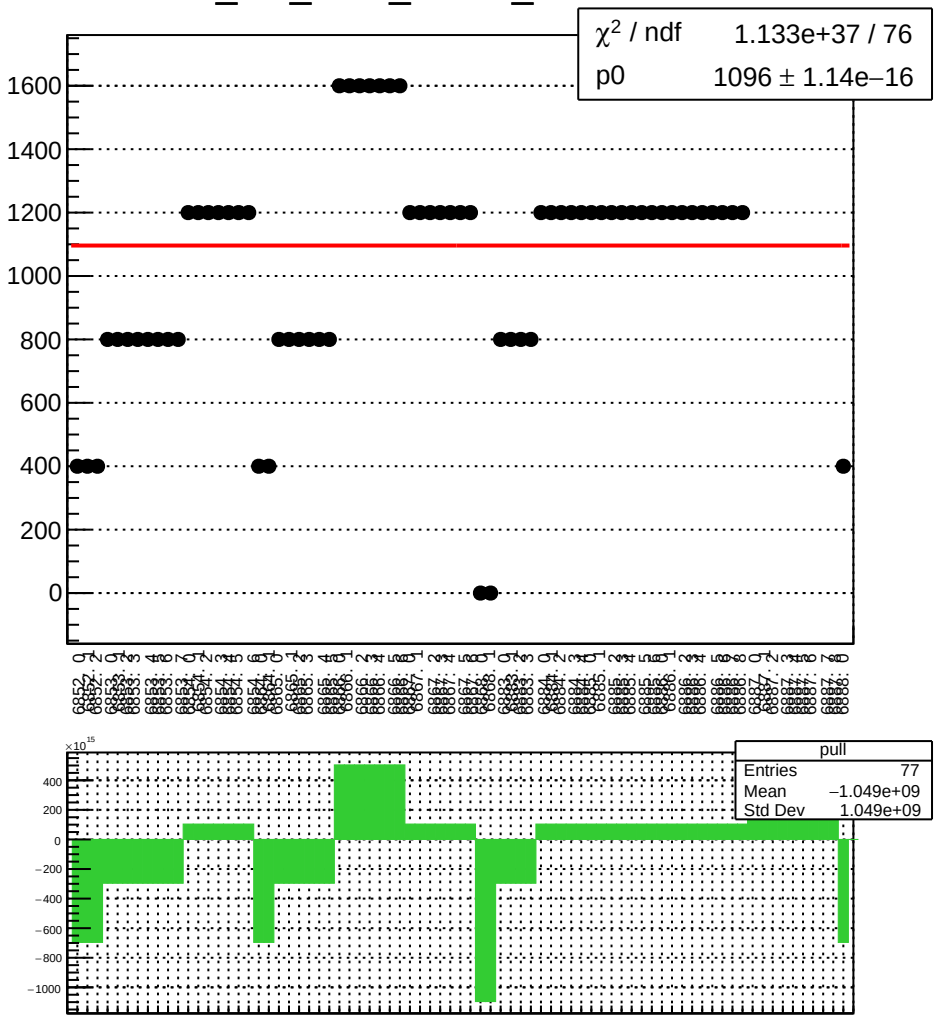

dit_usr_coil6_mean vs run
χ² / ndf 2.209e+36 / 76
p0 –594.8 ± 1.14e–16
pull
Entries 77
Mean –8.922e+08
Std Dev 8.922e+08

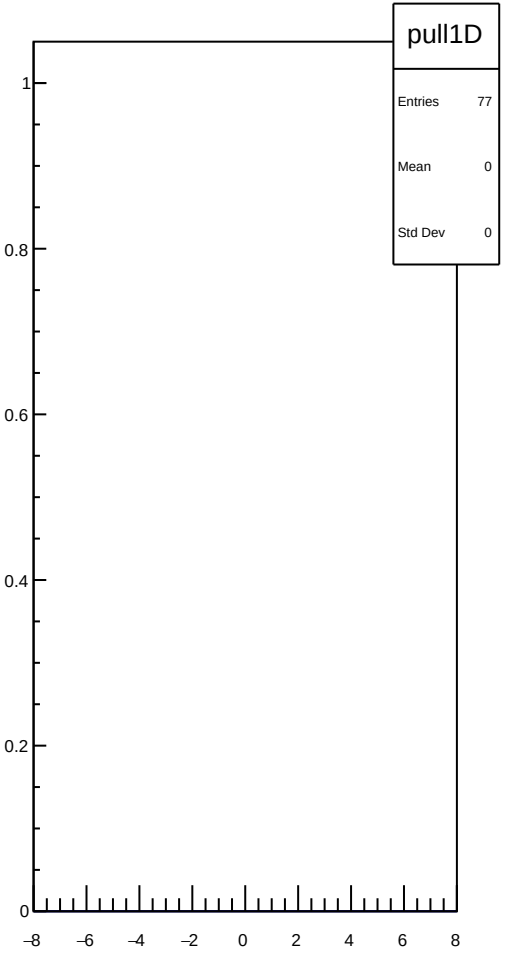

pull1D
Entries 77
Mean 0
Std Dev 0

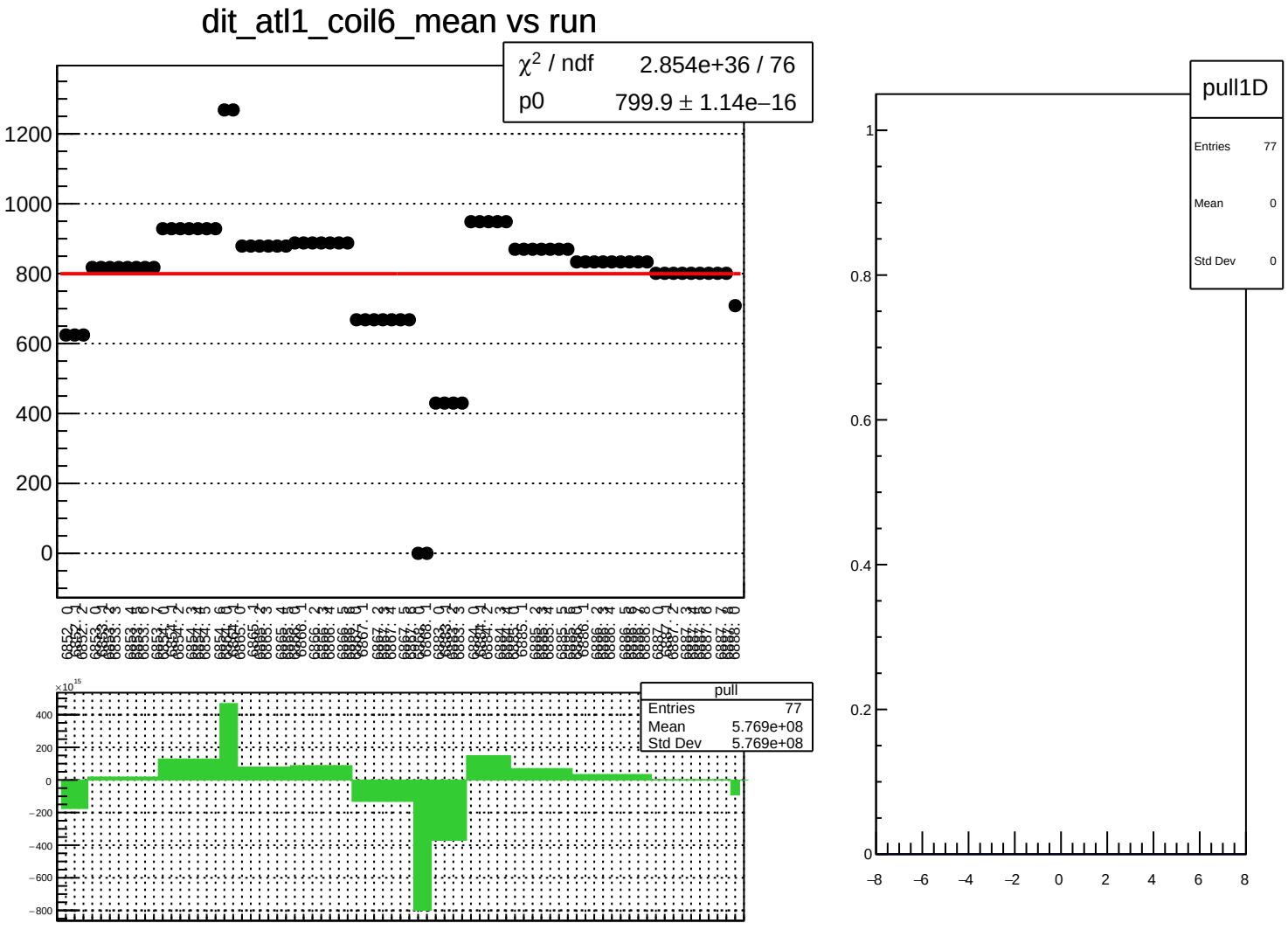

dit_usr_coil6_err_mean vs run
χ² / ndf 6.299e+34 / 76
p0 109.5 ± 1.14e−16
pull
Entries 77
Mean 2.5e+10
Std Dev 2.5e+10

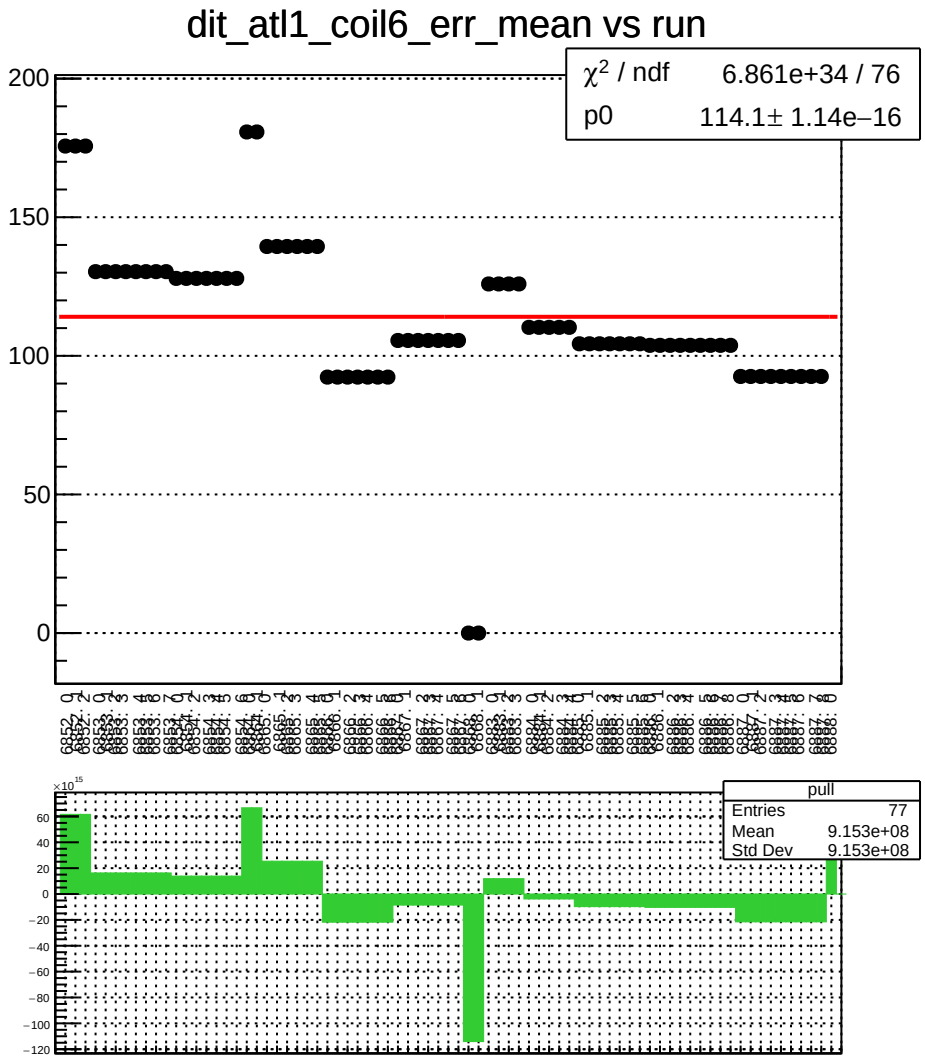

pull1D
Entries 77
Mean 0
Std Dev 0

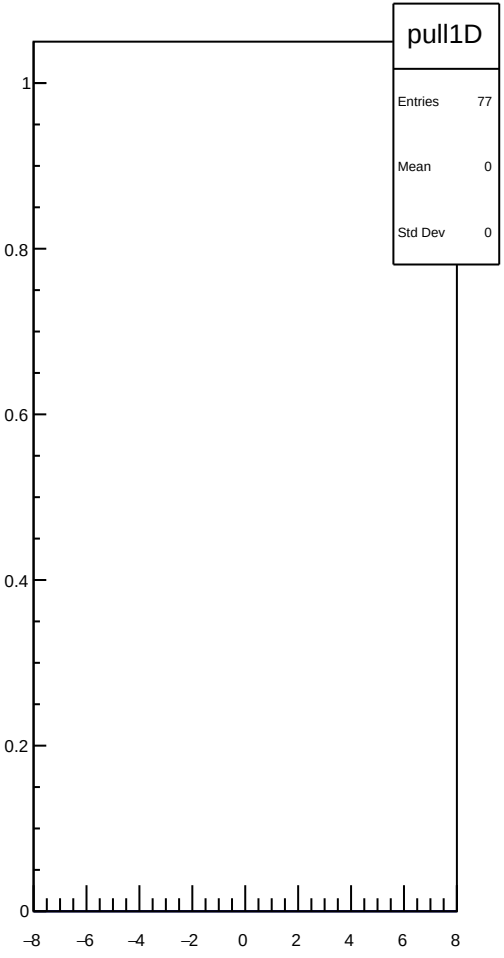
dit_usr_coil6_Ndata_mean vs run



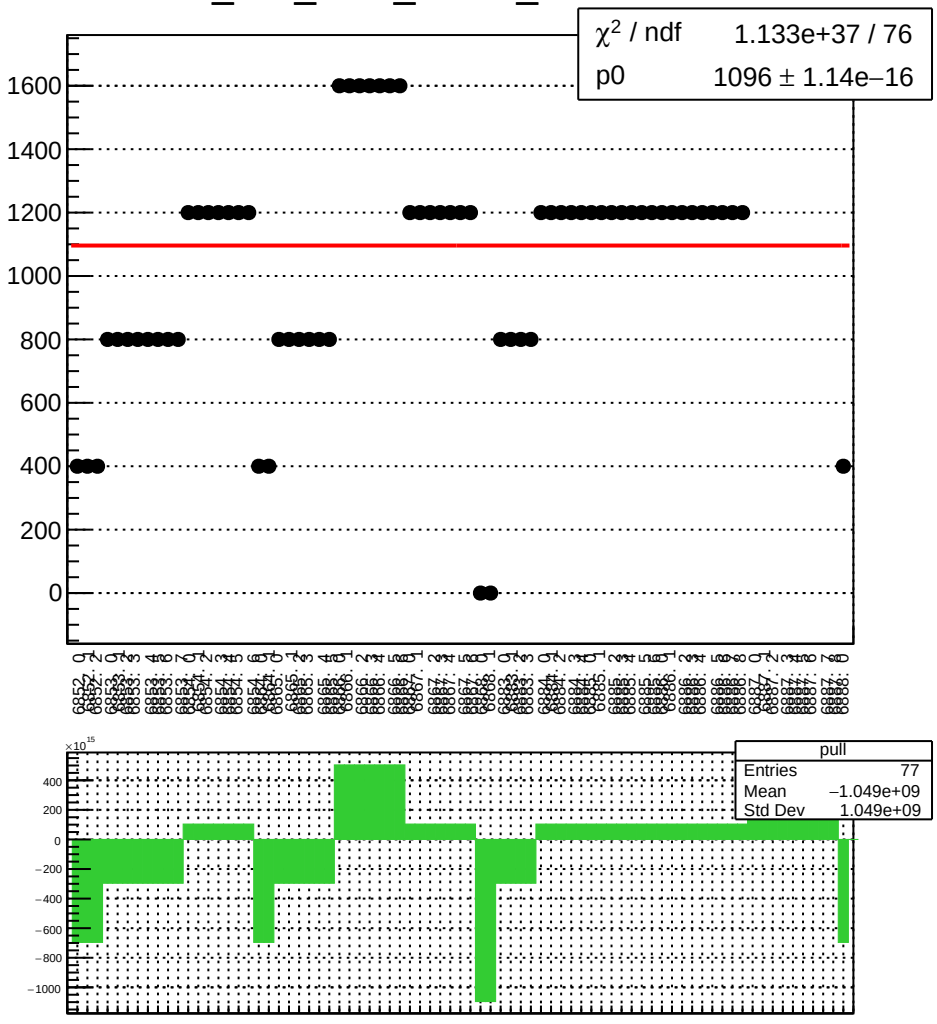


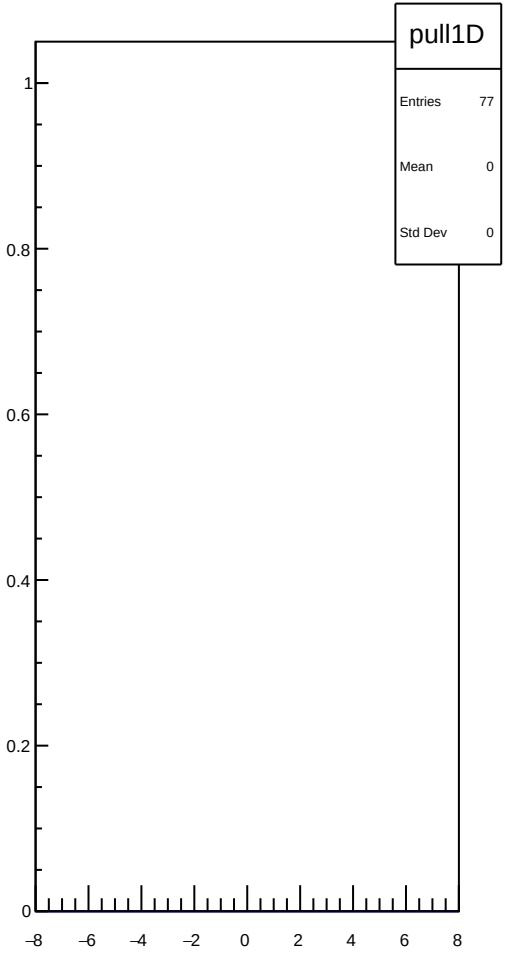

dit_atl1_coil6_mean vs run
χ² / ndf 2.854e+36 / 76
p0 799.9 ± 1.14e−16
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 5.769e+08
Std Dev 5.769e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

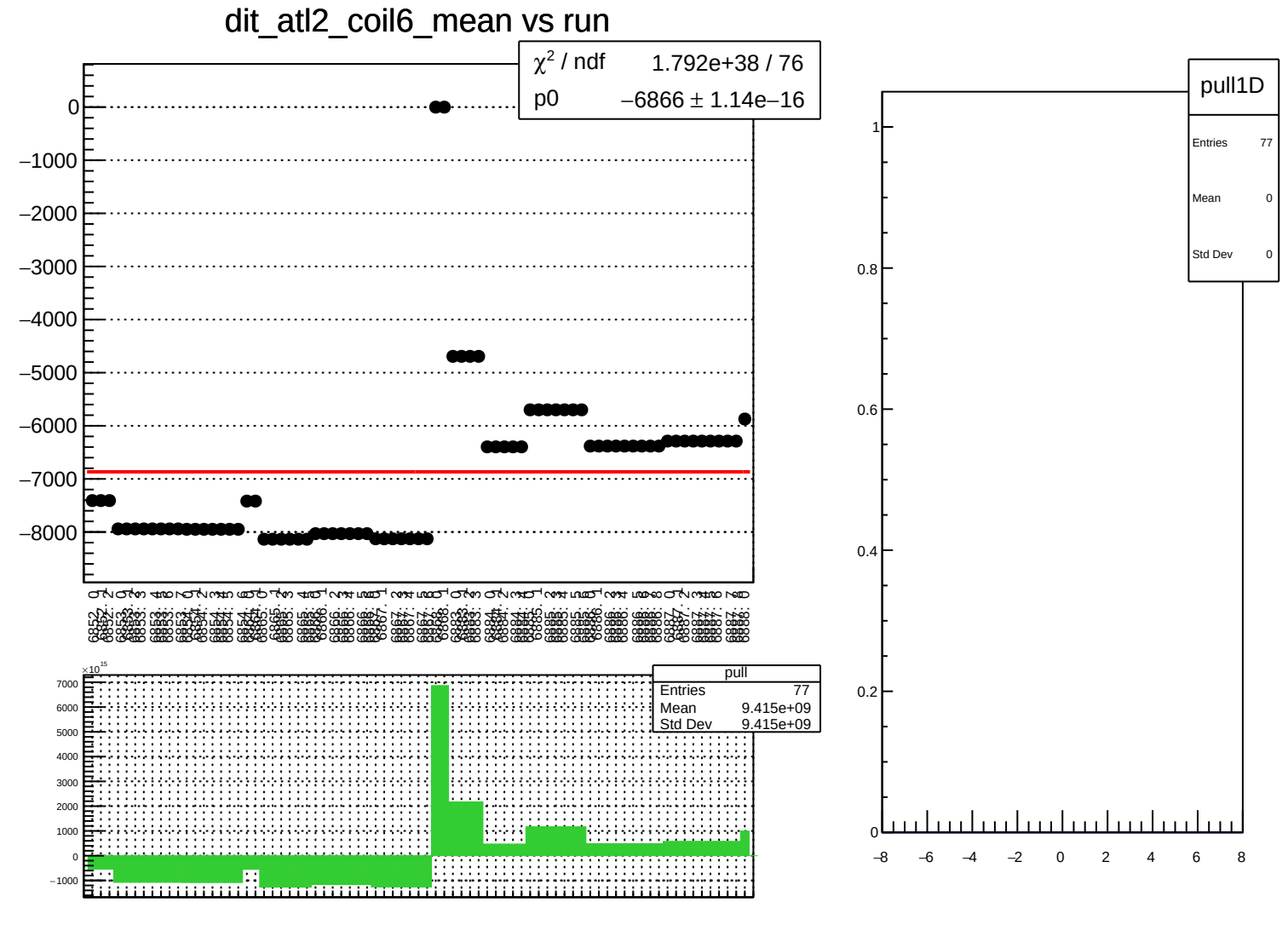

dit_atl1_coil6_err_mean vs run
χ² / ndf 6.861e+34 / 76
p0 114.1± 1.14e−16
pull
Entries 77
Mean 9.153e+08
Std Dev 9.153e+08

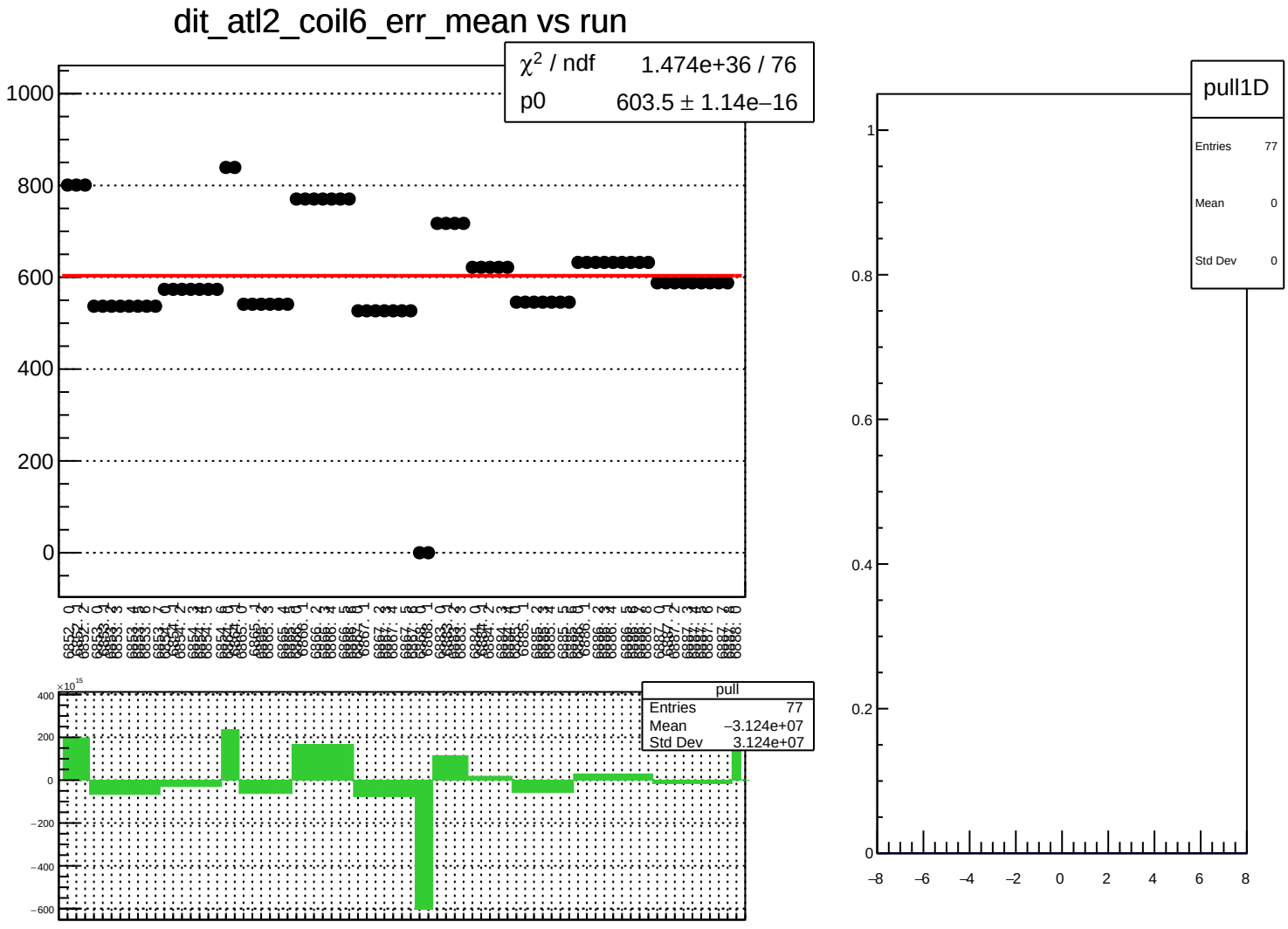

pull1D
Entries 77
Mean 0
Std Dev 0

dit_atl1_coil6_Ndata_mean vs run

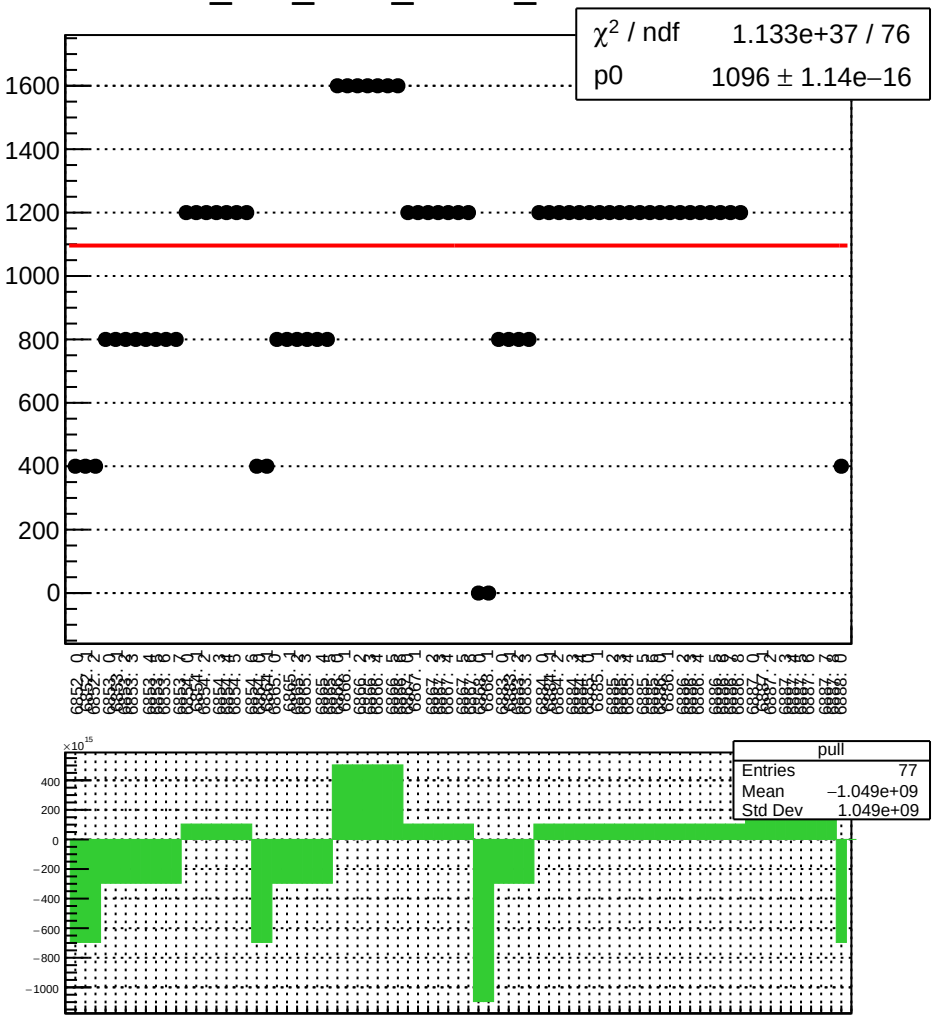


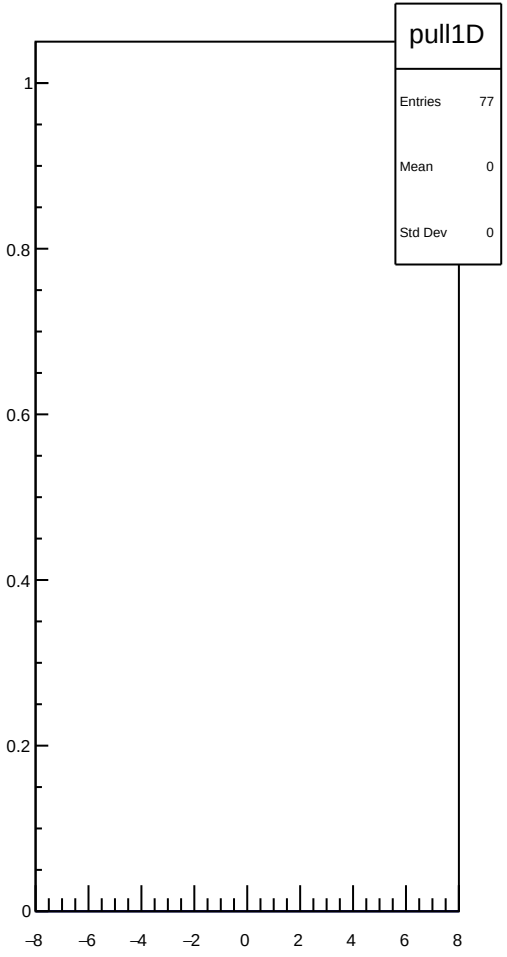


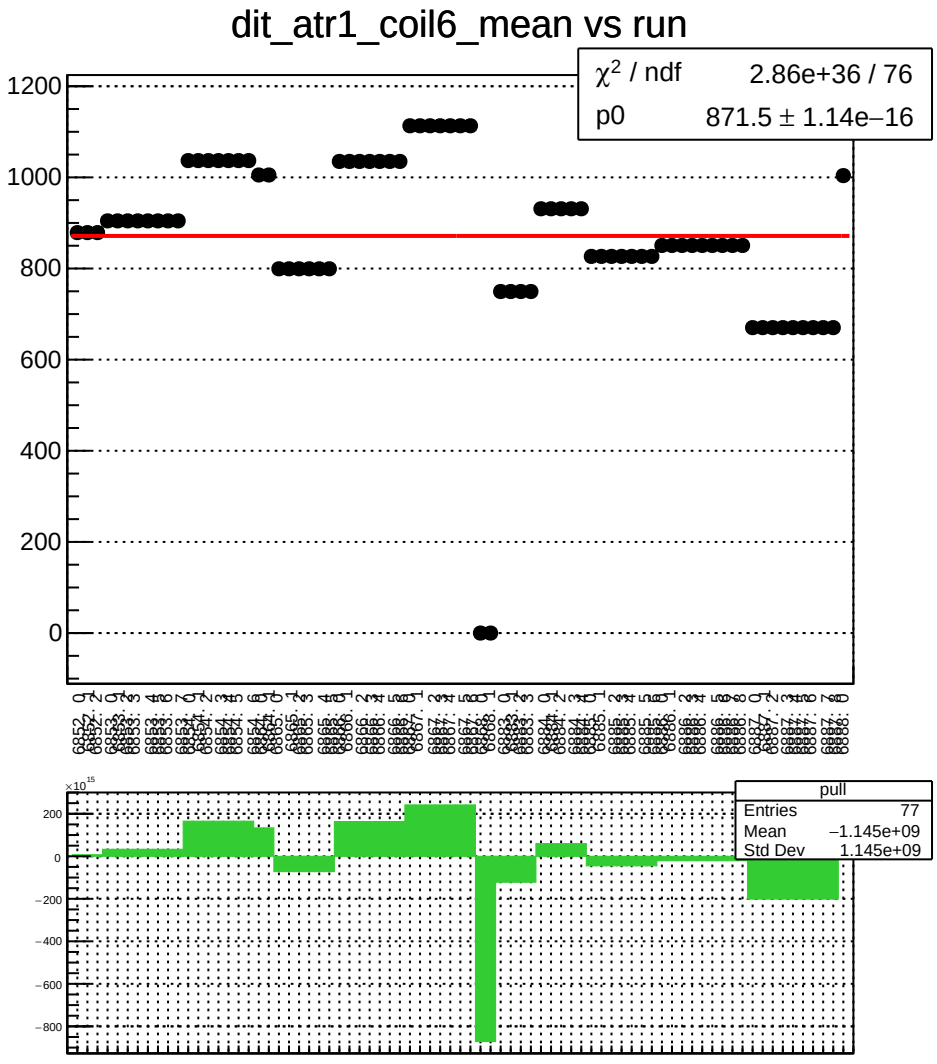

dit_atl2_coil6_mean vs run
χ² / ndf 1.792e+38 / 76
p0 −6866 ± 1.14e−16
pull
Entries 77
Mean 9.415e+09
Std Dev 9.415e+09
pull1D
Entries 77
Mean 0
Std Dev 0

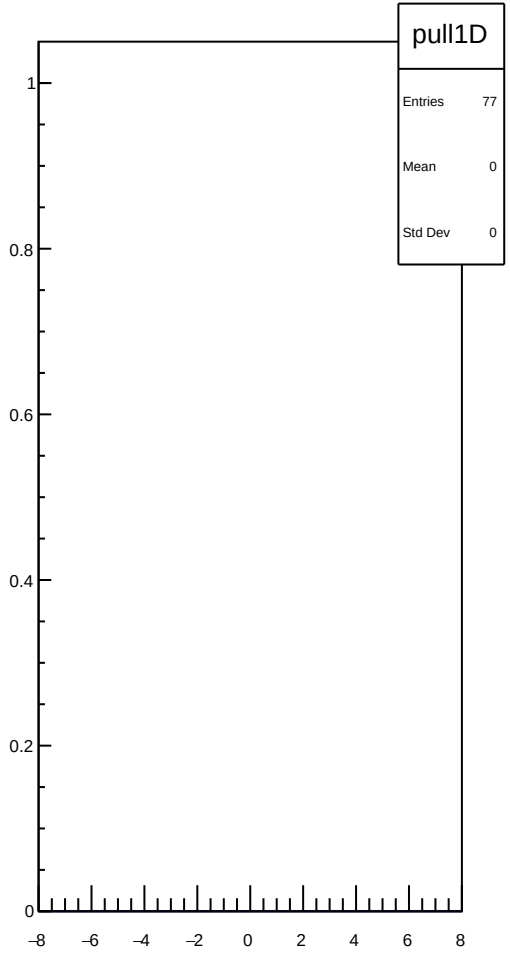

dit_atl2_coil6_err_mean vs run
χ² / ndf 1.474e+36 / 76
p0 603.5 ± 1.14e−16
1000
800
600
400
200
0
pull
Entries 77
Mean −3.124e+07
Std Dev 3.124e+07
400
200
0
−200
−400
−600
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_Ndata_mean vs run

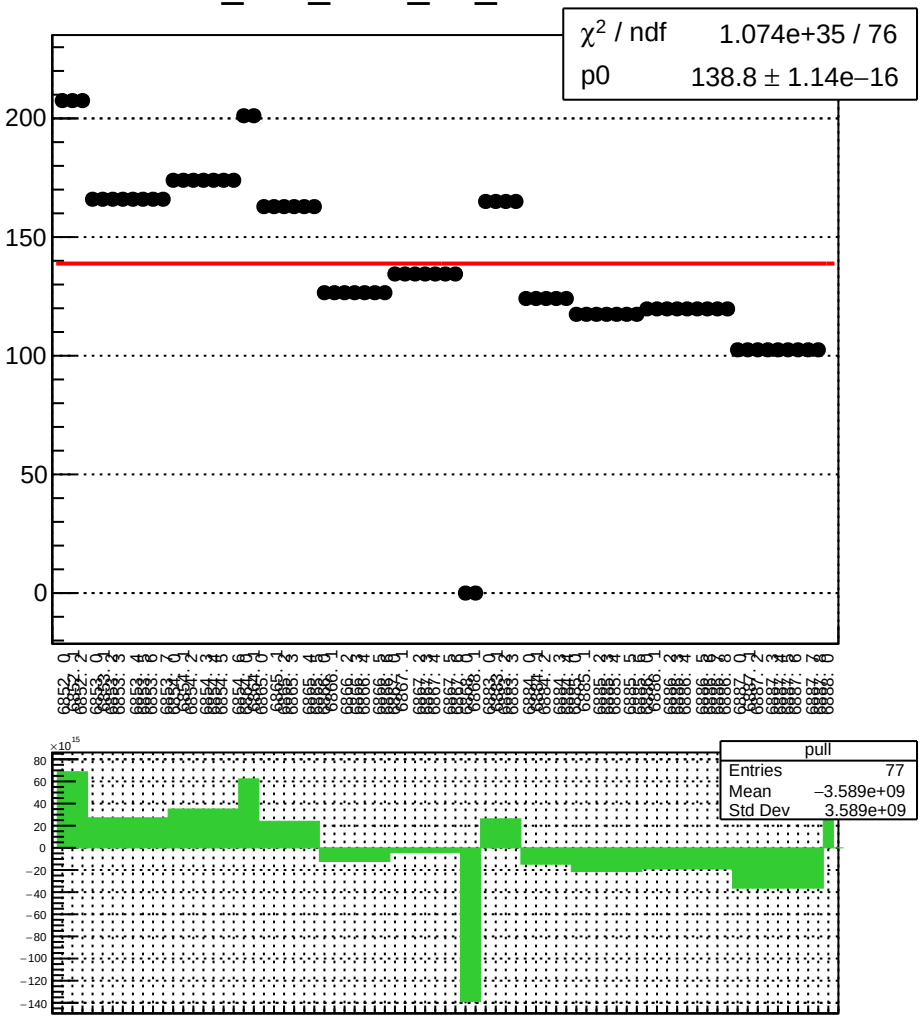


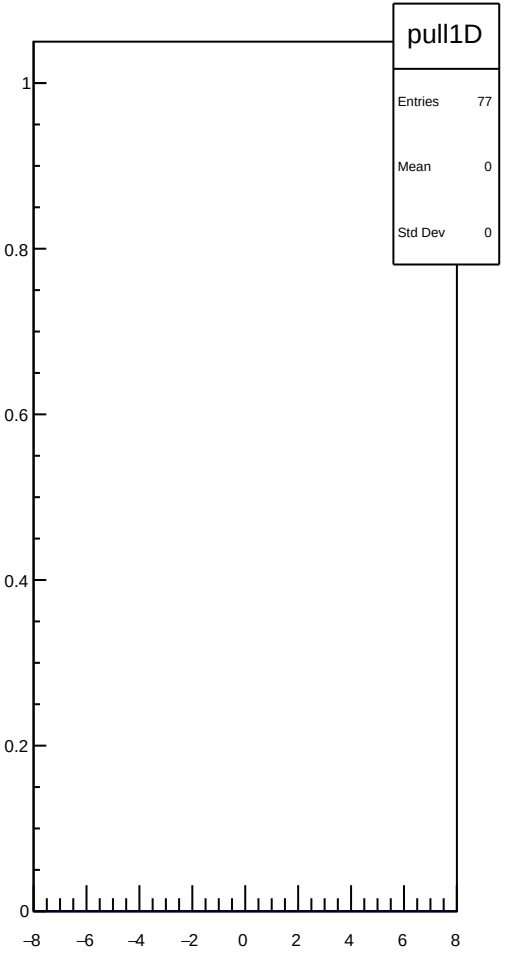



dit_atr1_coil6_mean vs run
χ^2 / ndf 2.86e+36 / 76
p0 871.5 ± 1.14e−16
1200
1000
800
600
400
200
0
pull
Entries 77
Mean −1.145e+09
Std Dev 1.145e+09
×10^15
200
0
−200
−400
−600
−800

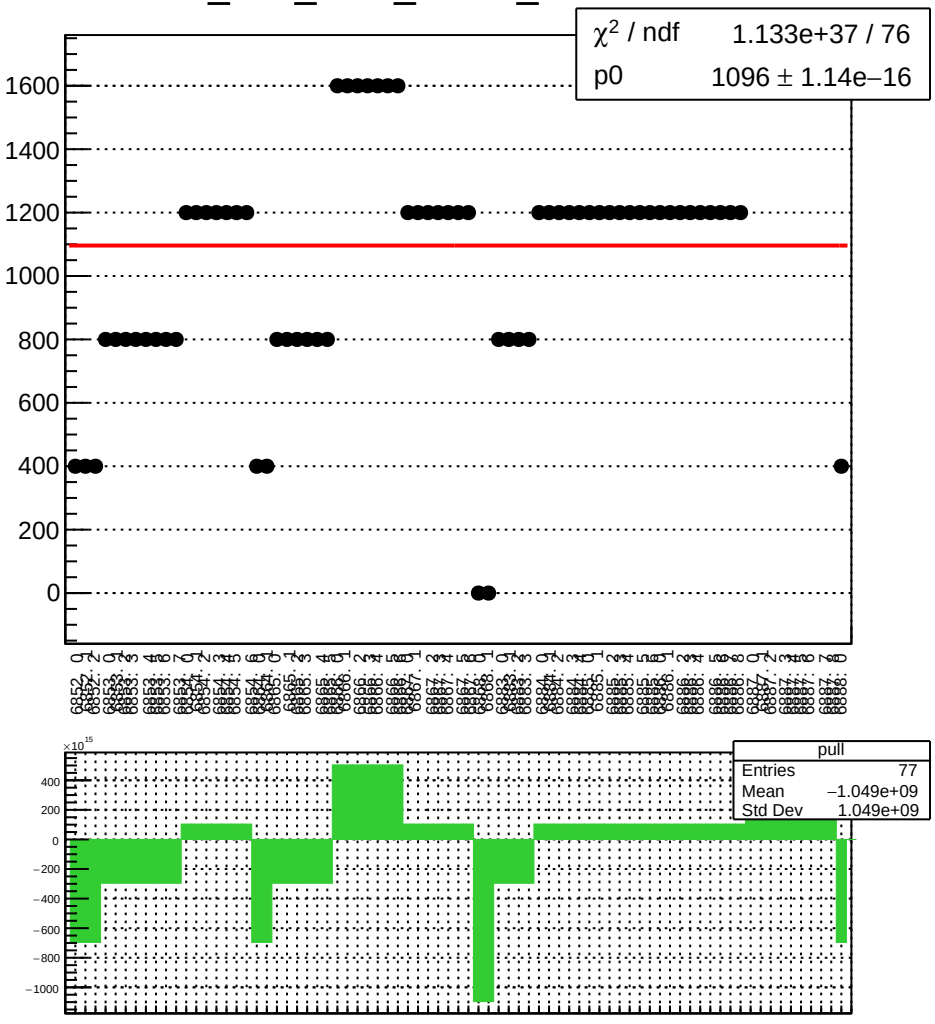

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

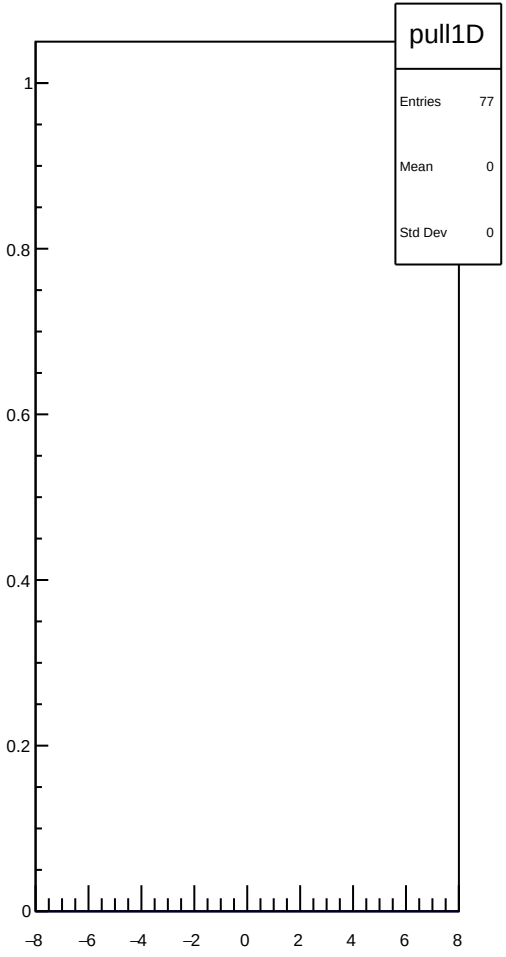
dit_atr1_coil6_err_mean vs run

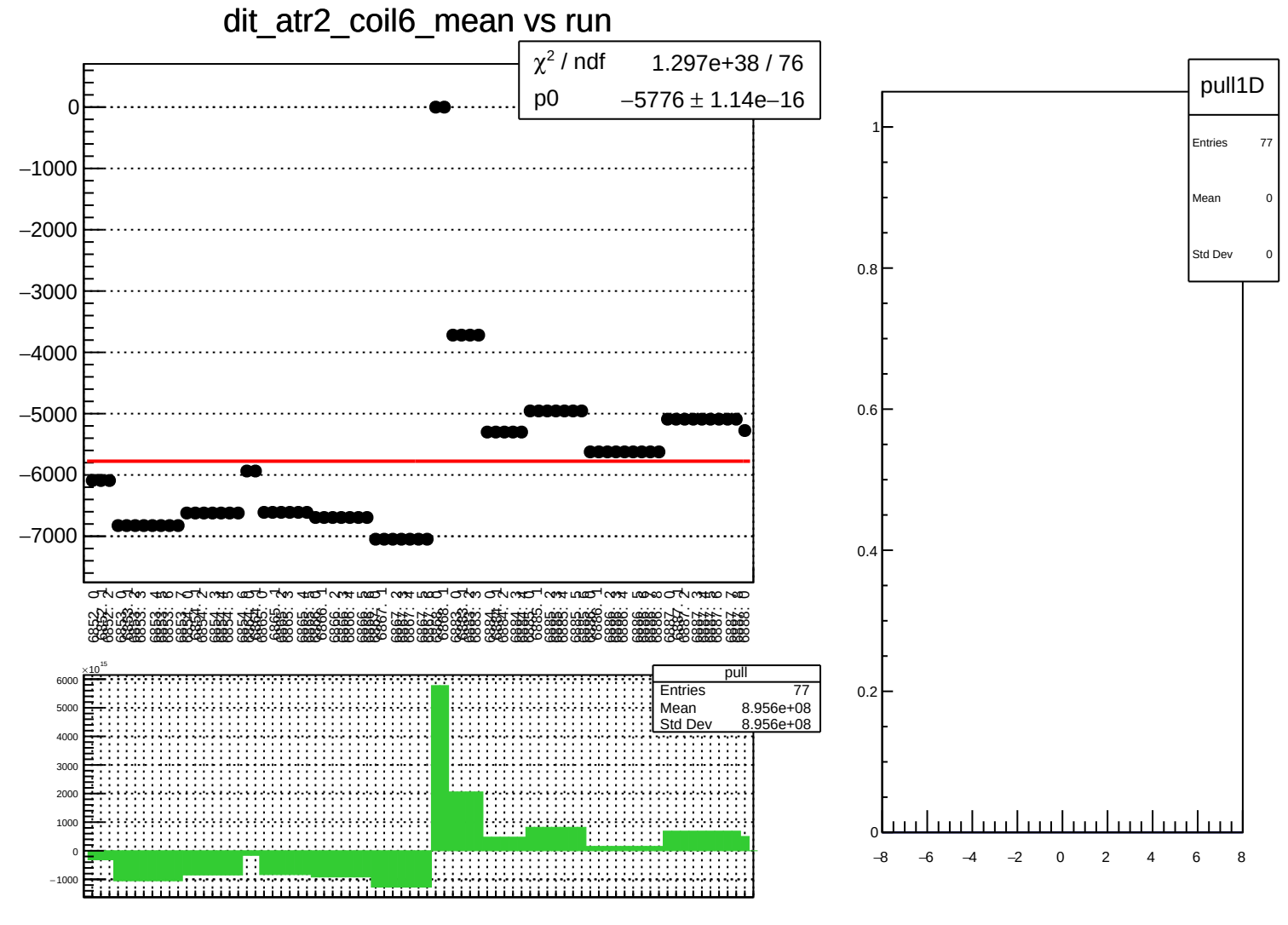




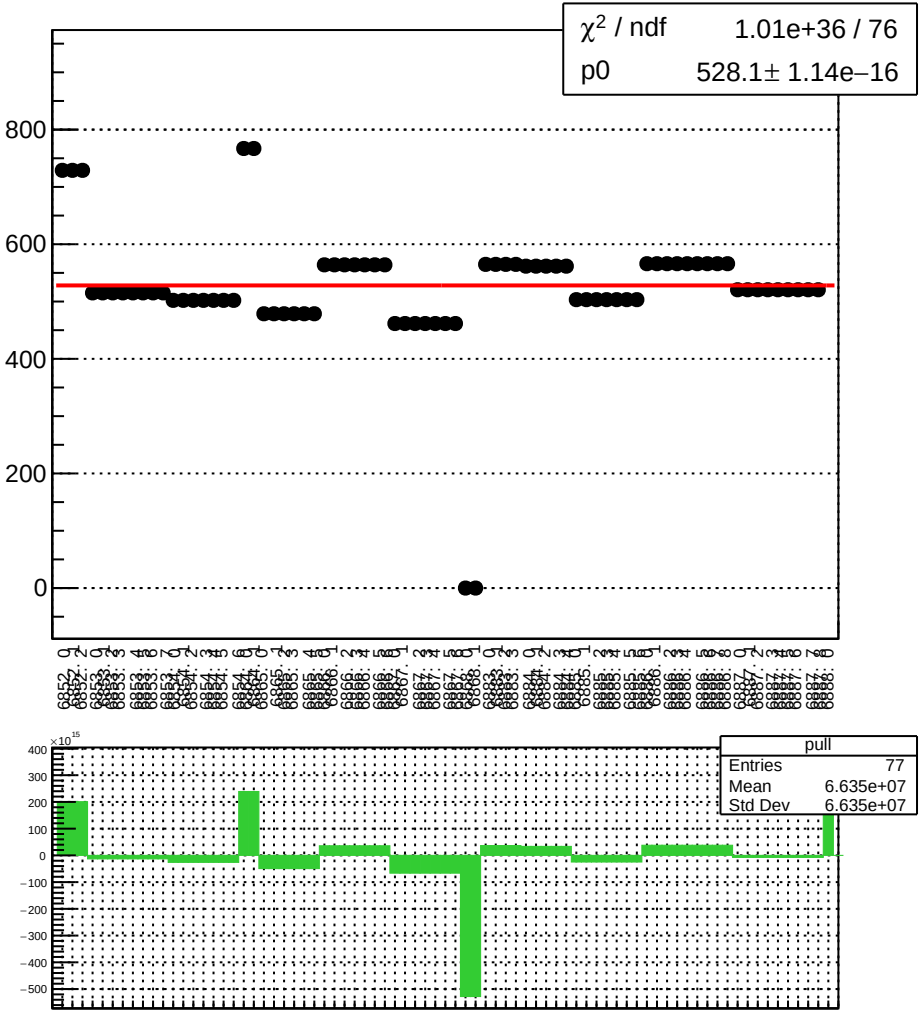
dit_atr1_coil6_Ndata_mean vs run

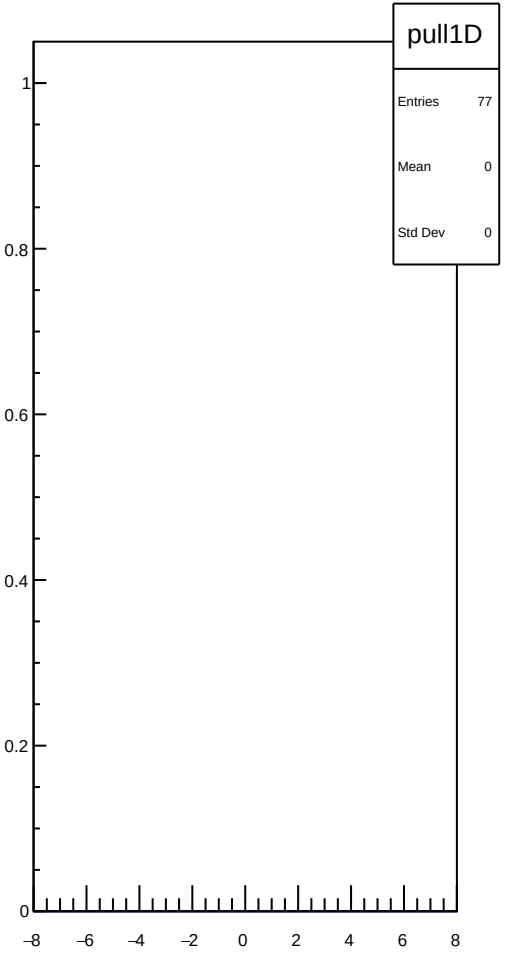


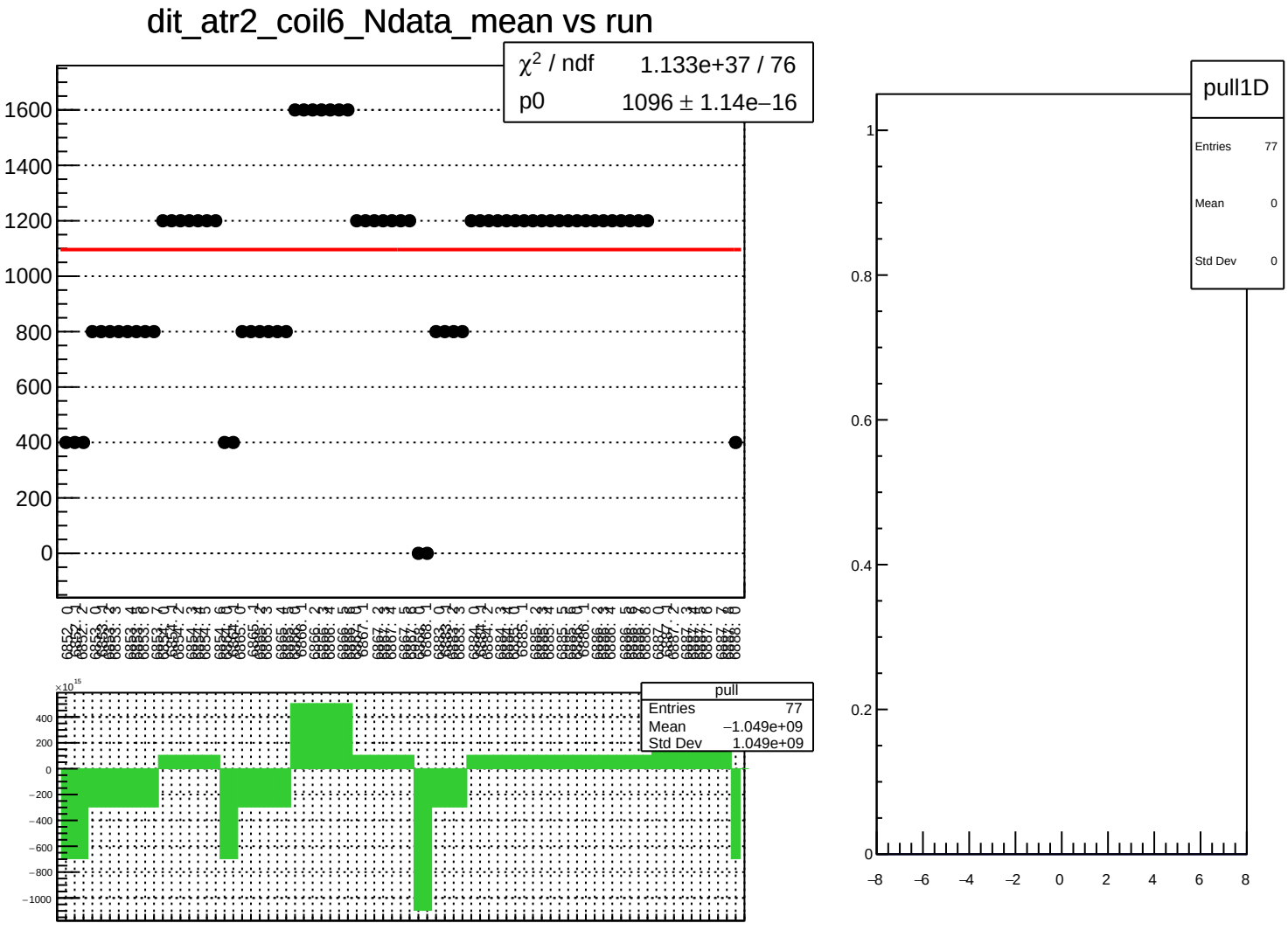


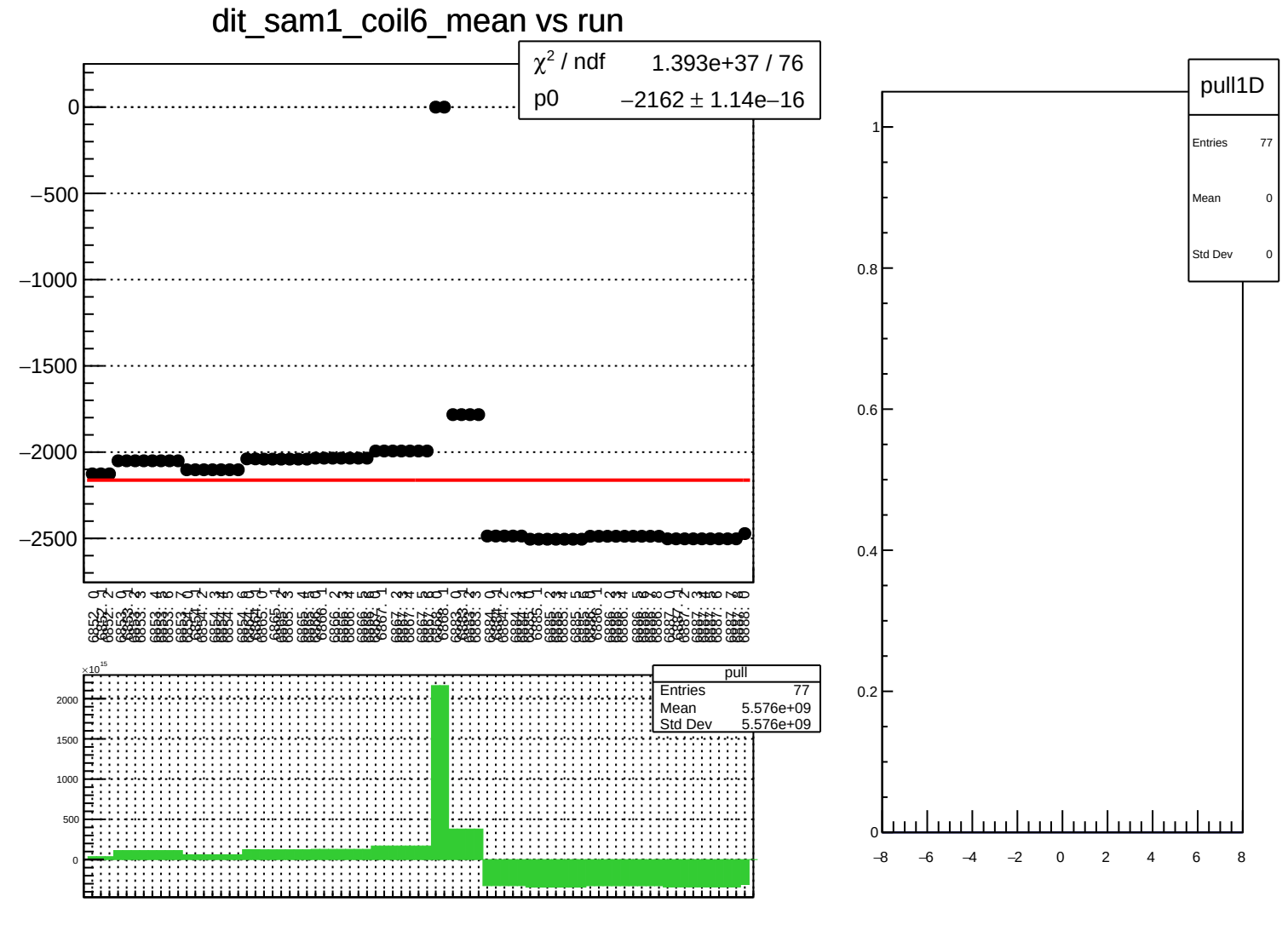

dit_atr2_coil6_mean vs run
χ² / ndf 1.297e+38 / 76
p0 −5776 ± 1.14e−16
pull
Entries 77
Mean 8.956e+08
Std Dev 8.956e+08
pull1D
Entries 77
Mean 0
Std Dev 0

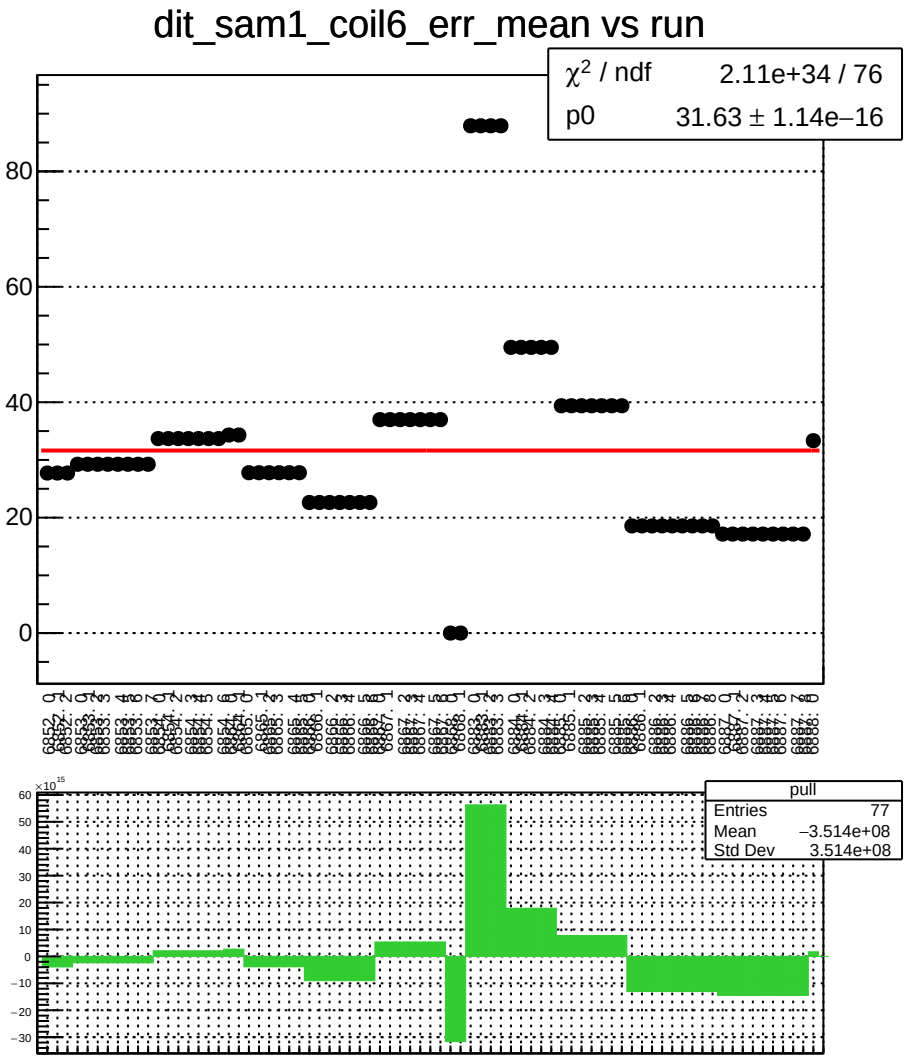
dit_atr2_coil6_err_mean vs run

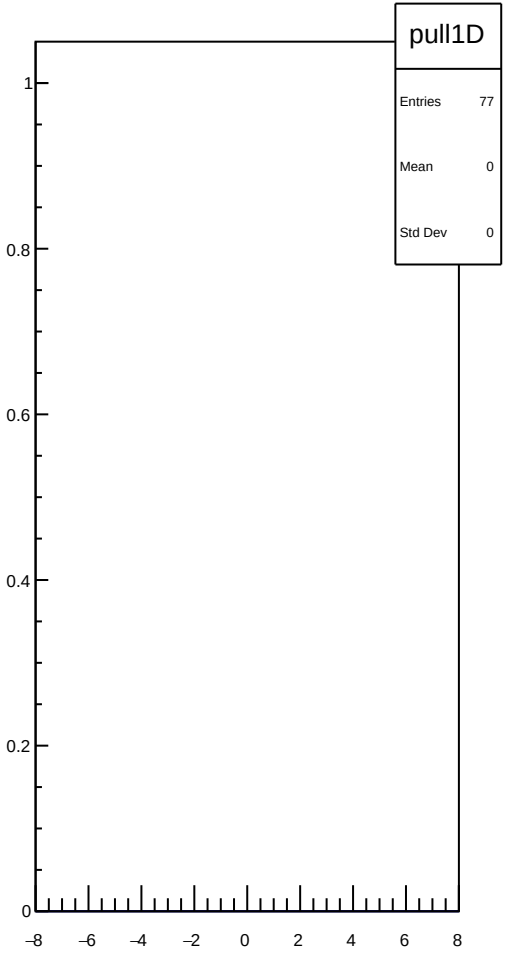




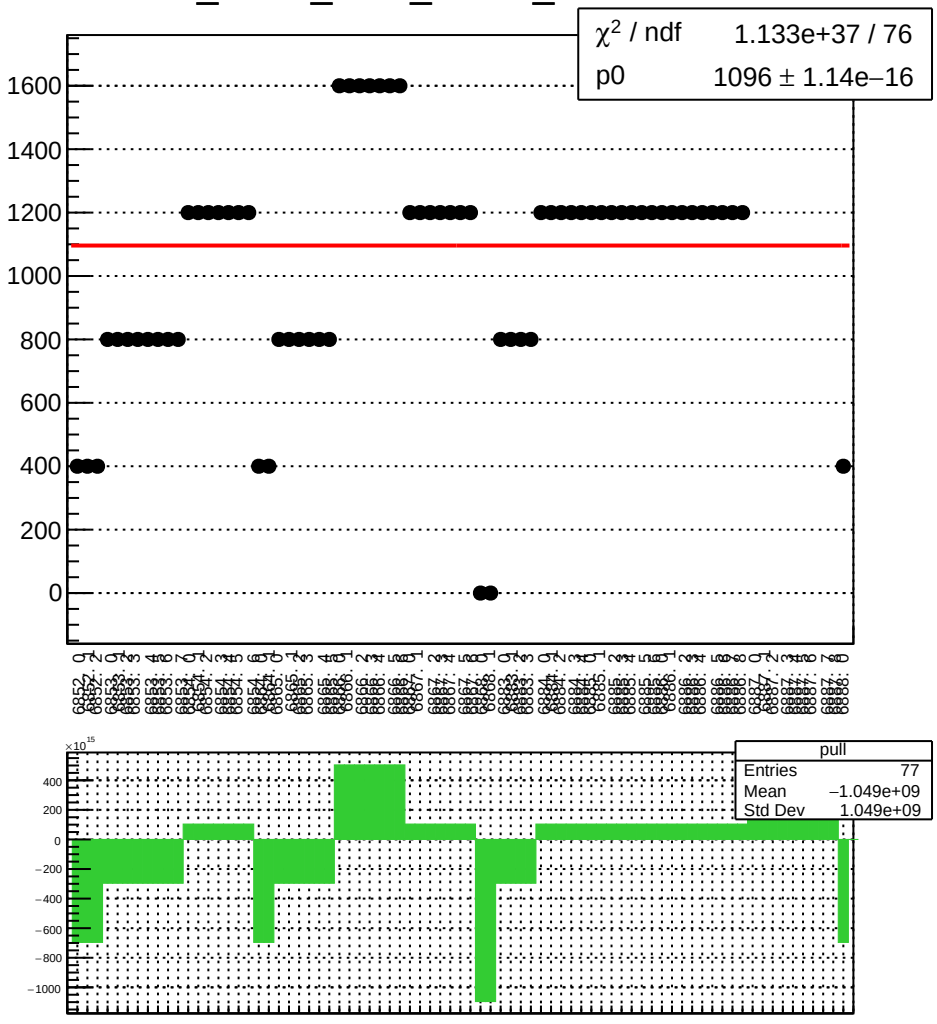

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.133e+37 / 76
p0 1096 ± 1.14e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean −1.049e+09
Std Dev 1.049e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

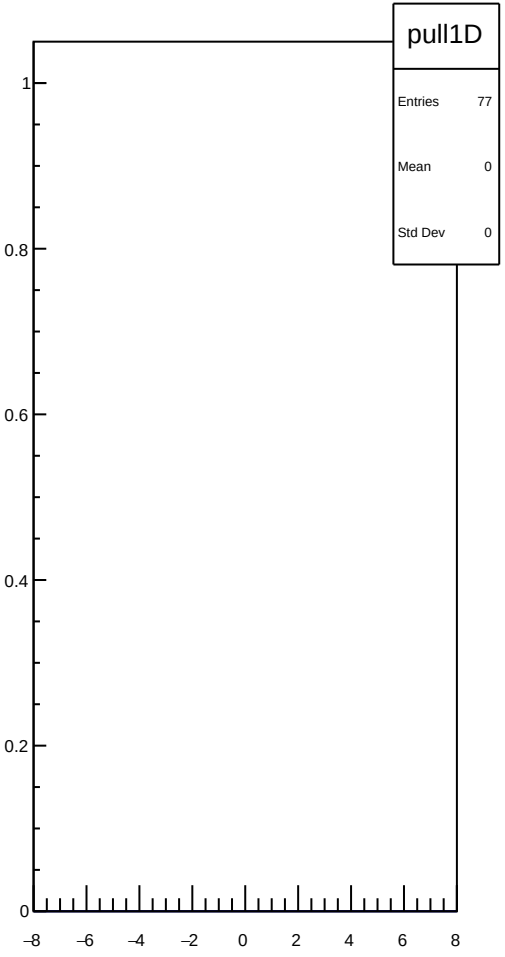

dit_sam1_coil6_mean vs run
χ² / ndf 1.393e+37 / 76
p0 −2162 ± 1.14e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 77
Mean 5.576e+09
Std Dev 5.576e+09
×10¹⁵
2000
1500
1000
500
0
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

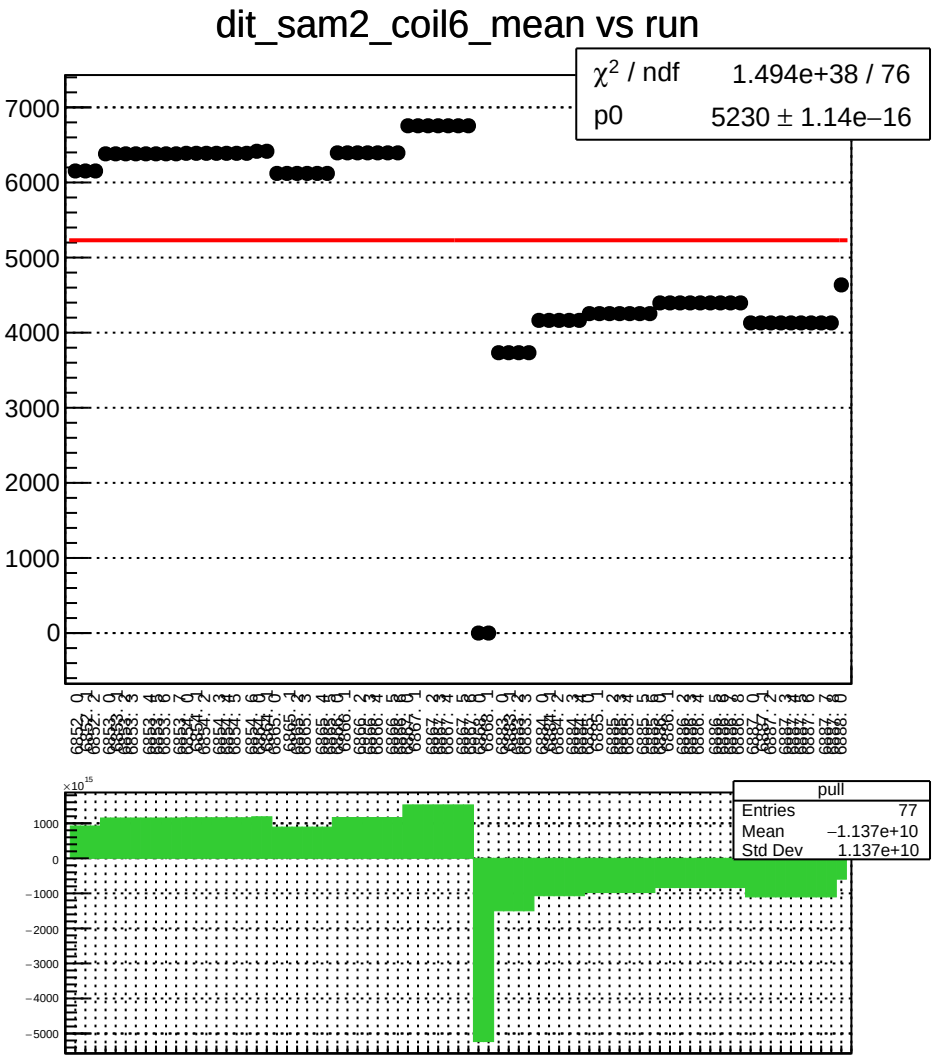

dit_sam1_coil6_err_mean vs run
χ² / ndf 2.11e+34 / 76
p0 31.63 ± 1.14e−16
pull
Entries 77
Mean −3.514e+08
Std Dev 3.514e+08

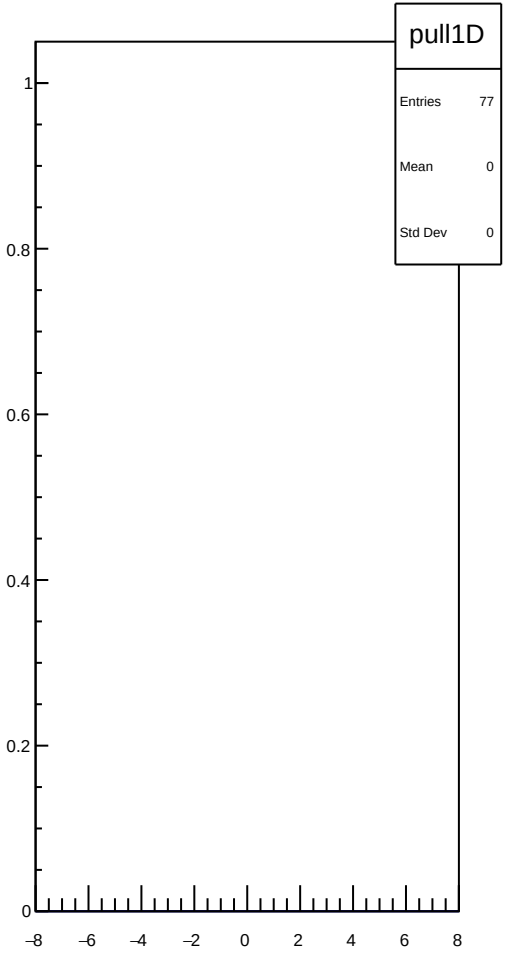

pull1D
Entries 77
Mean 0
Std Dev 0

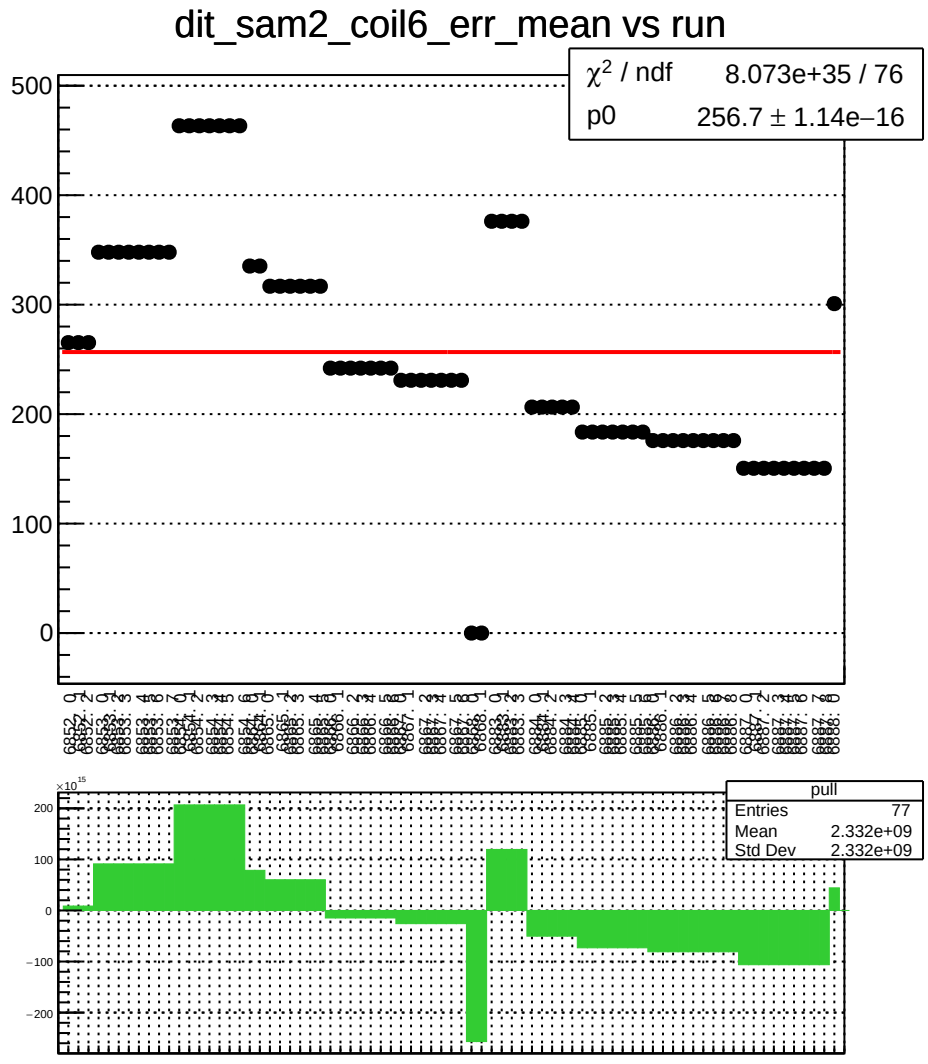
dit_sam1_coil6_Ndata_mean vs run

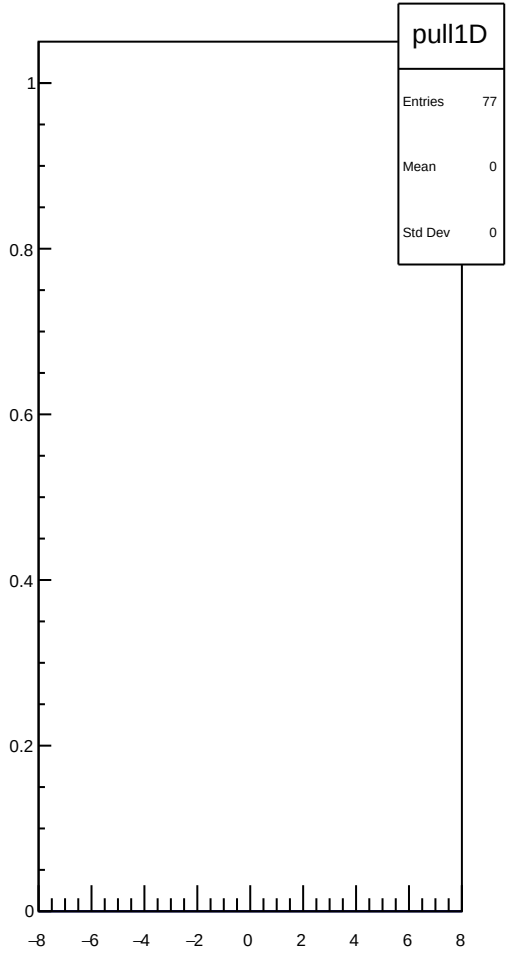




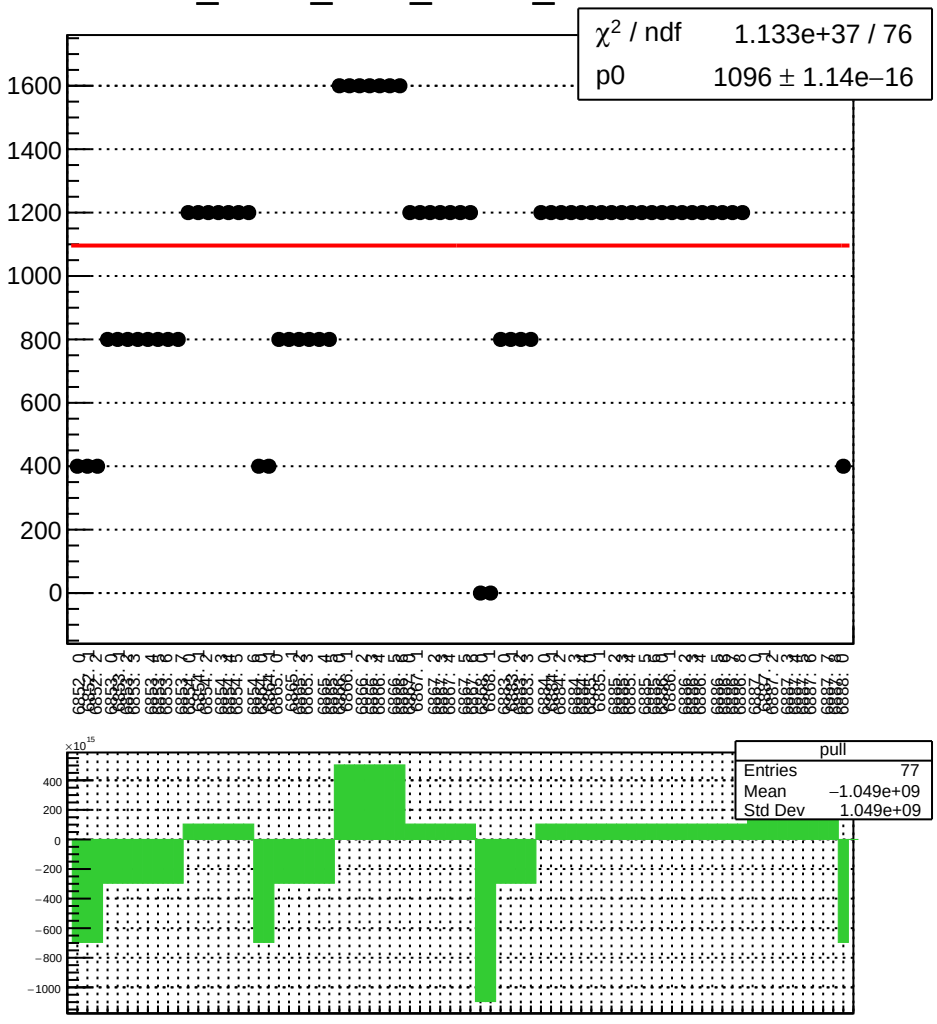

dit_sam2_coil6_mean vs run
χ^2 / ndf 1.494e+38 / 76
p0 5230 ± 1.14e−16
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 77
Mean −1.137e+10
Std Dev 1.137e+10
1000
0
−1000
−2000
−3000
−4000
−5000

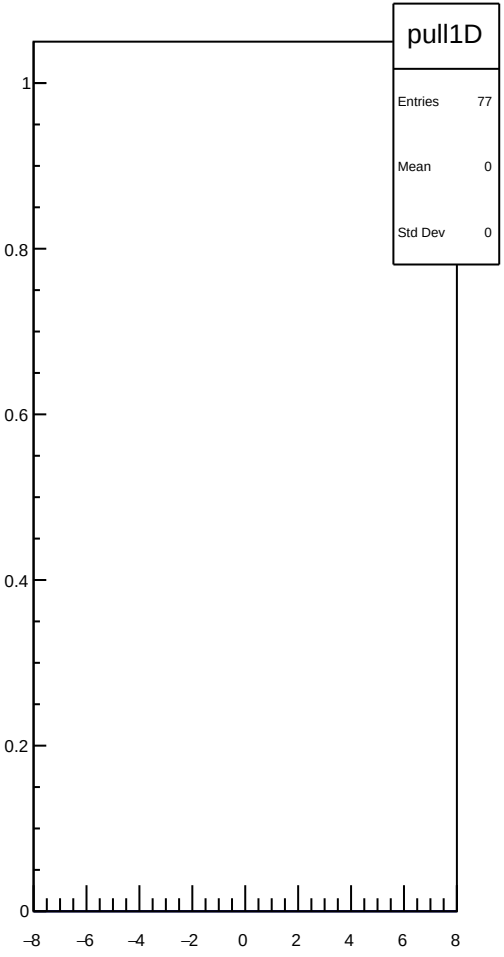

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

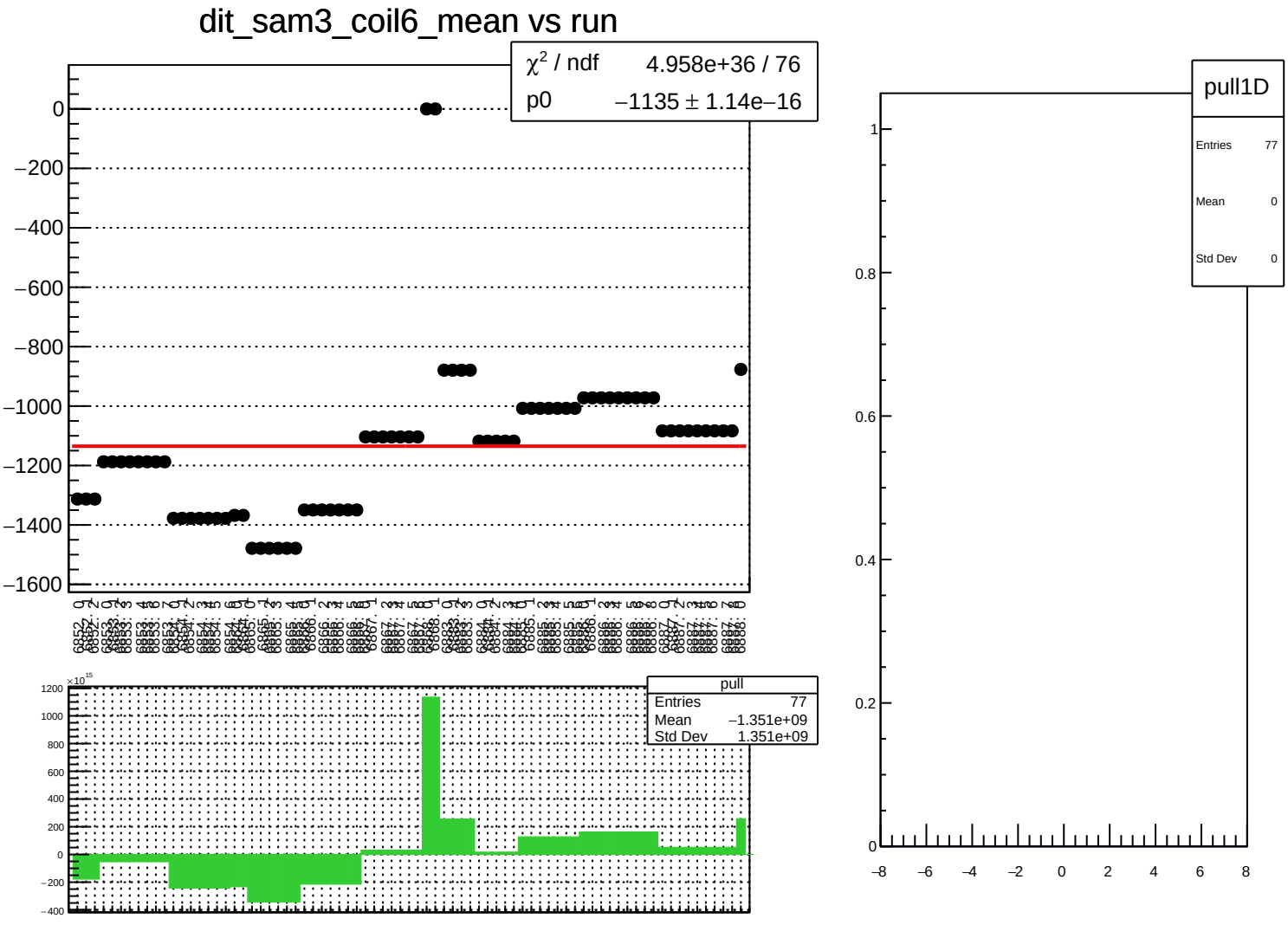

dit_sam2_coil6_err_mean vs run
χ² / ndf 8.073e+35 / 76
p0 256.7 ± 1.14e−16
500
400
300
200
100
0
pull
Entries 77
Mean 2.332e+09
Std Dev 2.332e+09
×10^15
200
100
0
−100
−200

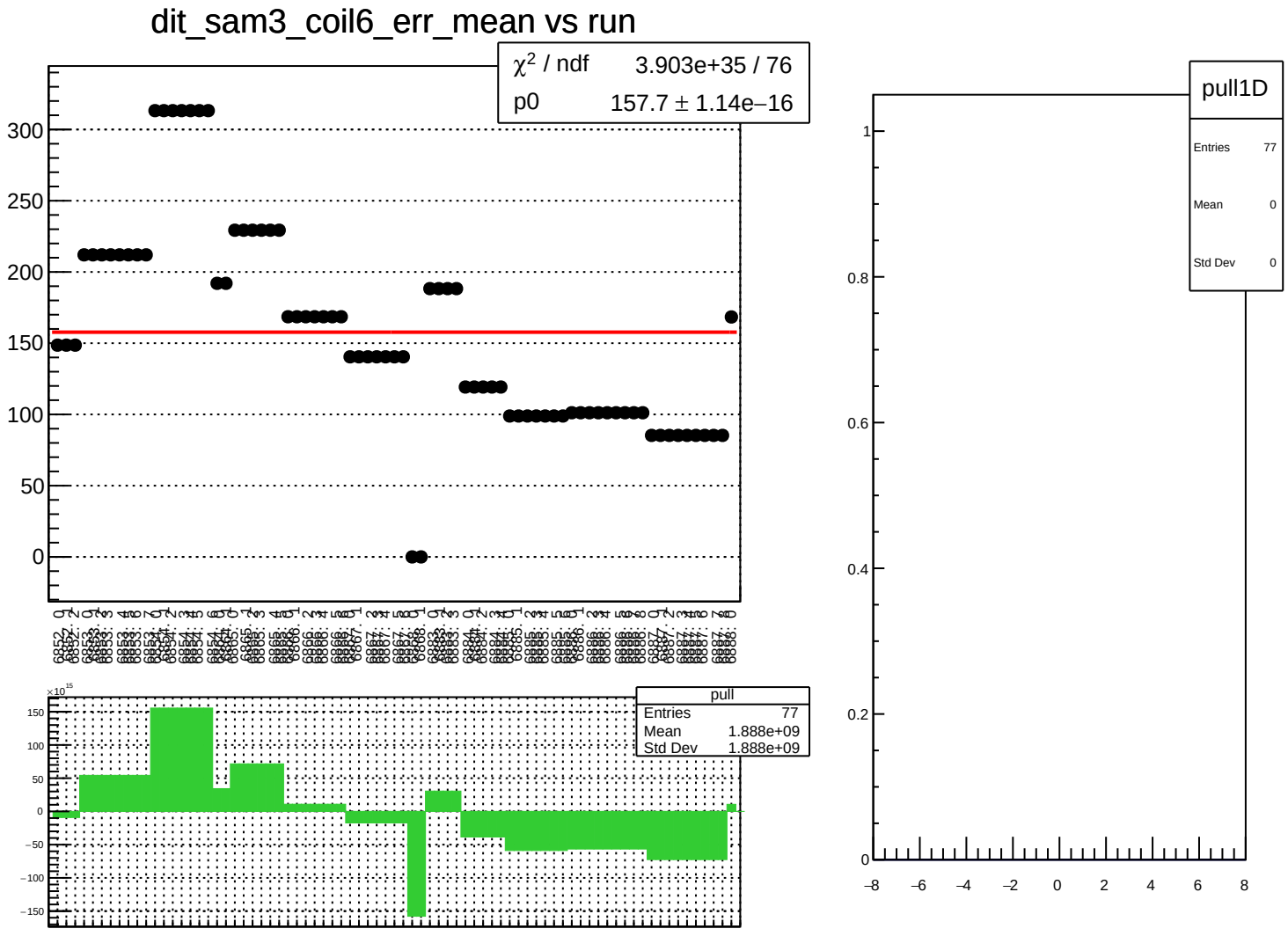

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_Ndata_mean vs run

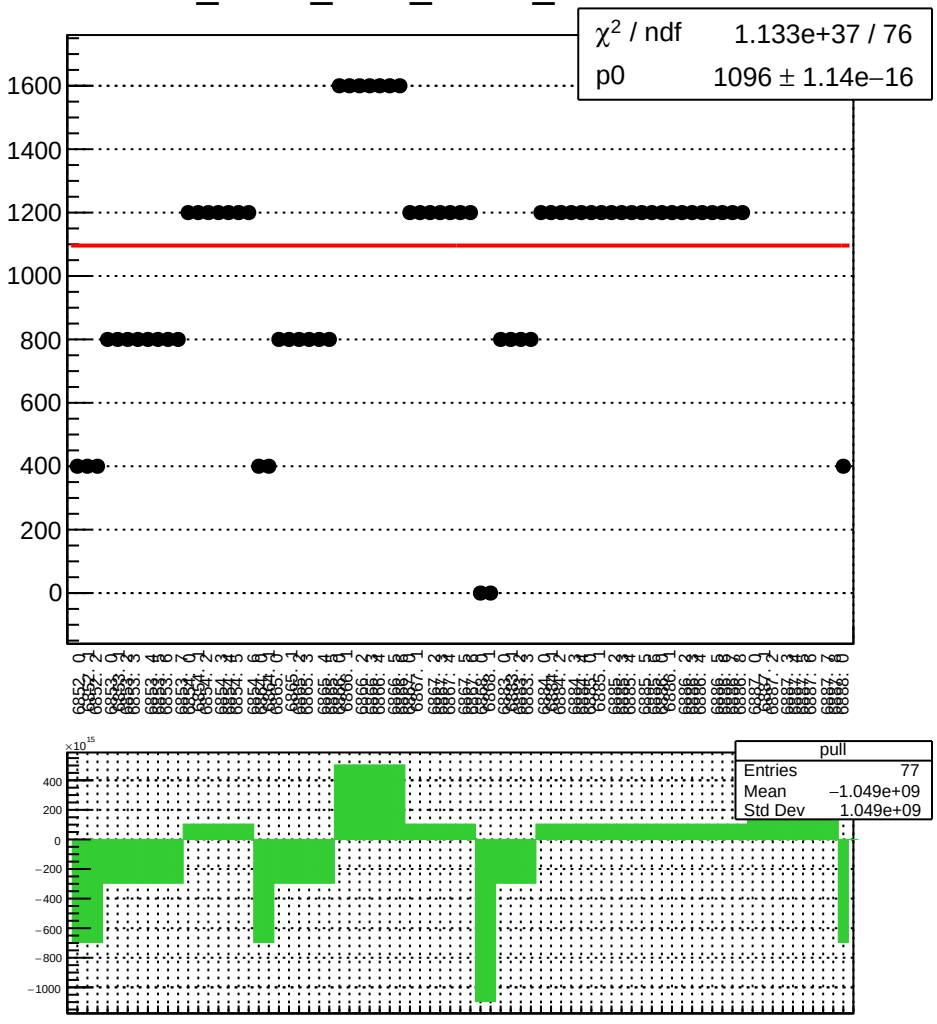


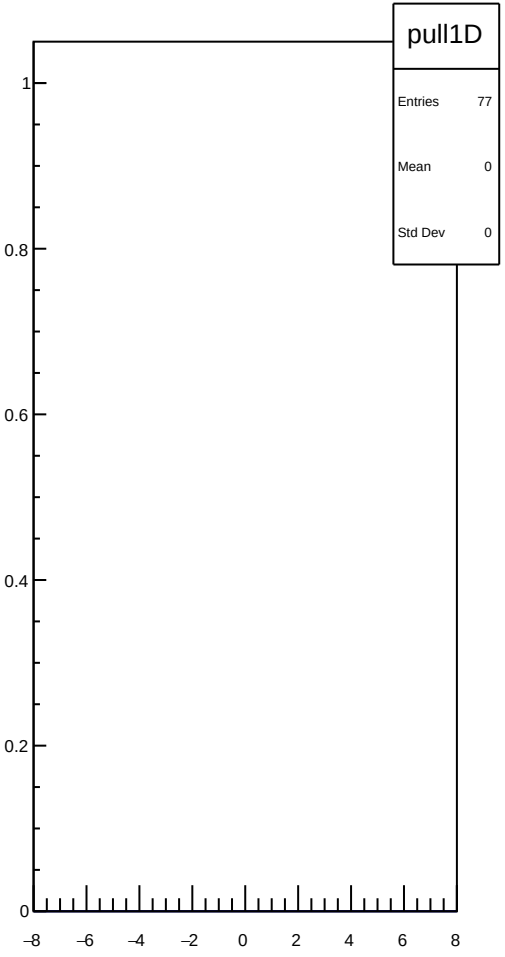


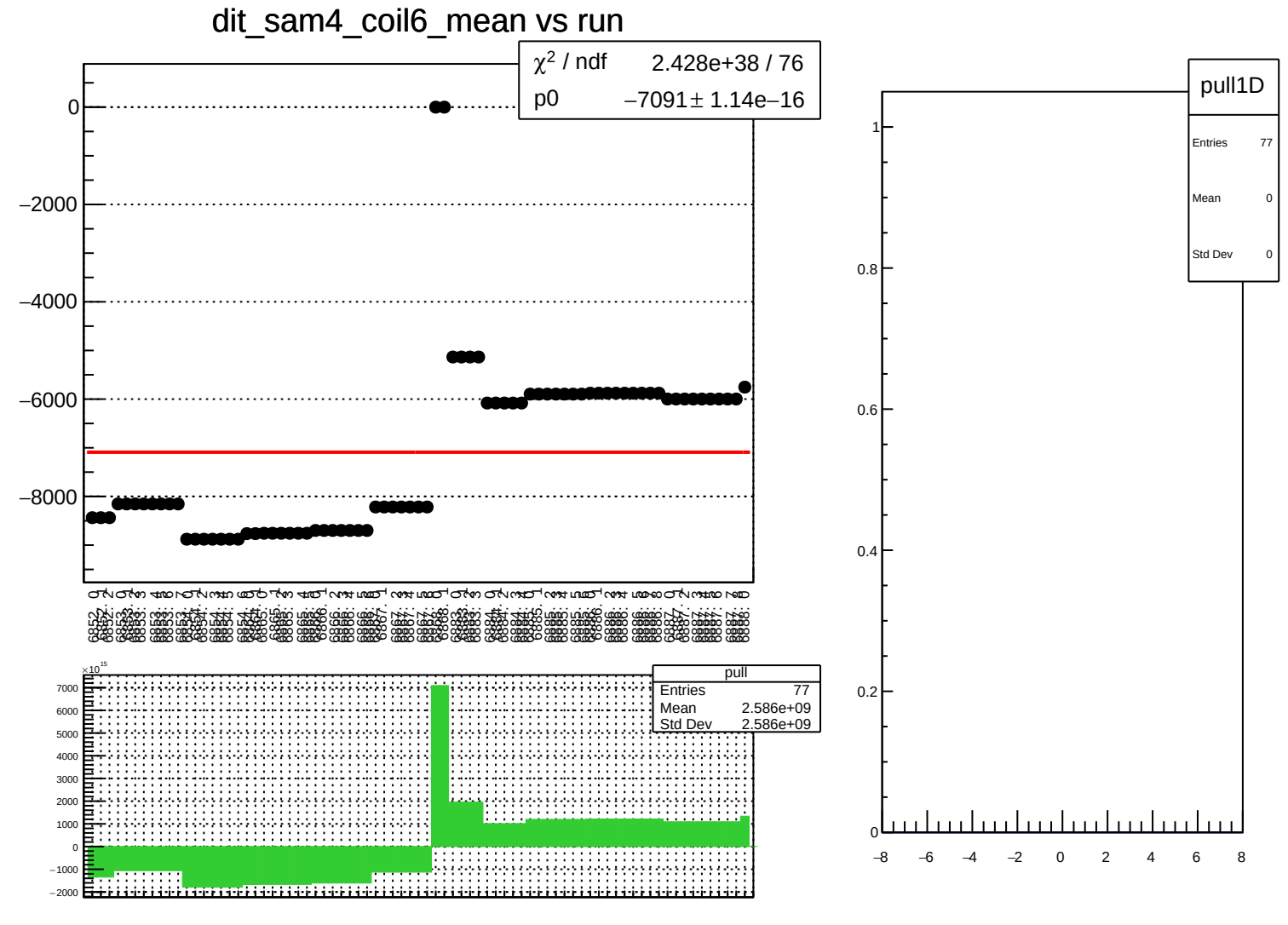

dit_sam3_coil6_mean vs run
χ² / ndf 4.958e+36 / 76
p0 −1135 ± 1.14e−16
pull
Entries 77
Mean −1.351e+09
Std Dev 1.351e+09
pull1D
Entries 77
Mean 0
Std Dev 0

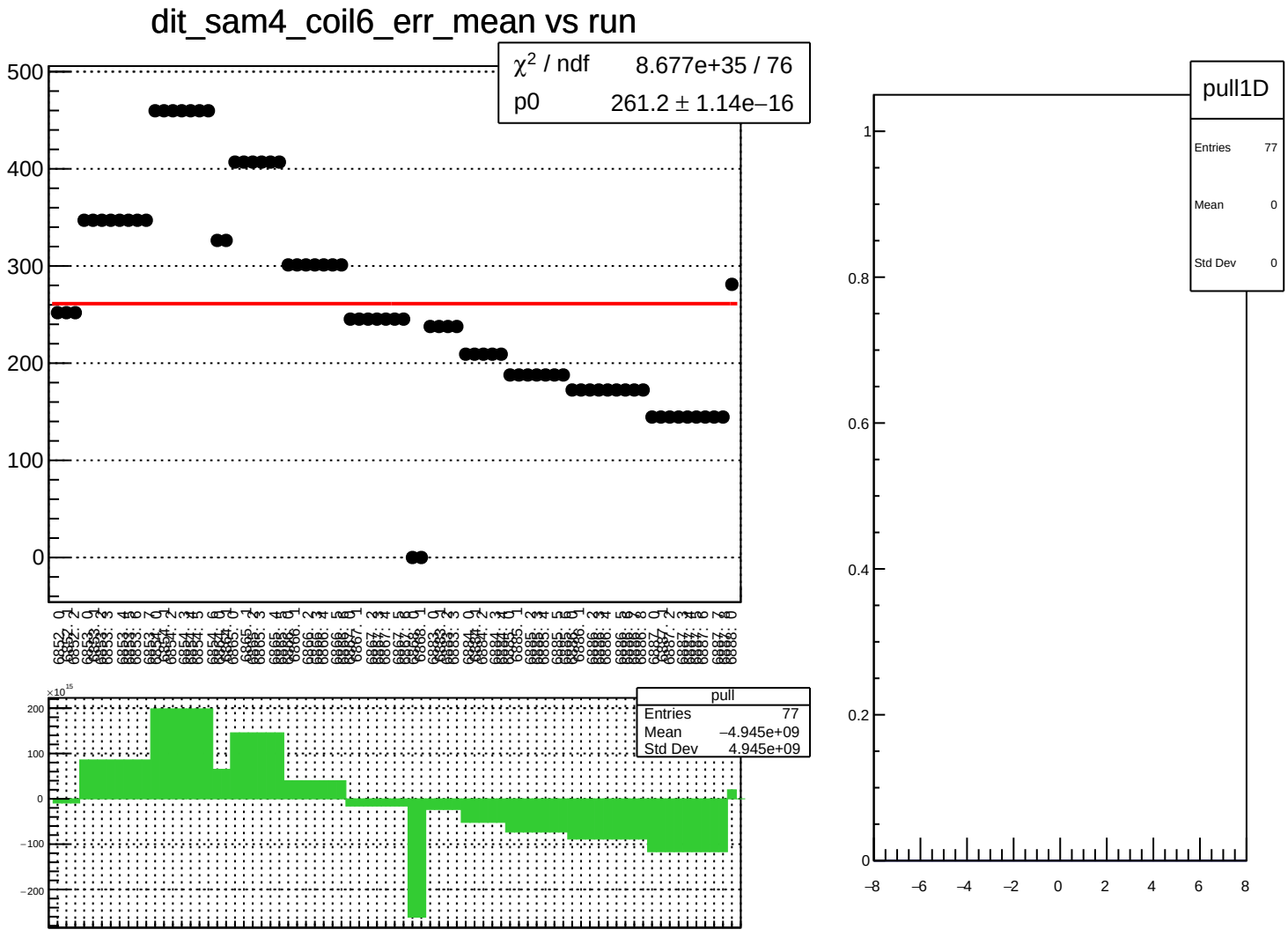

dit_sam3_coil6_err_mean vs run
χ² / ndf 3.903e+35 / 76
p0 157.7 ± 1.14e−16
pull
Entries 77
Mean 1.888e+09
Std Dev 1.888e+09
pull1D
Entries 77
Mean 0
Std Dev 0

dit_sam3_coil6_Ndata_mean vs run

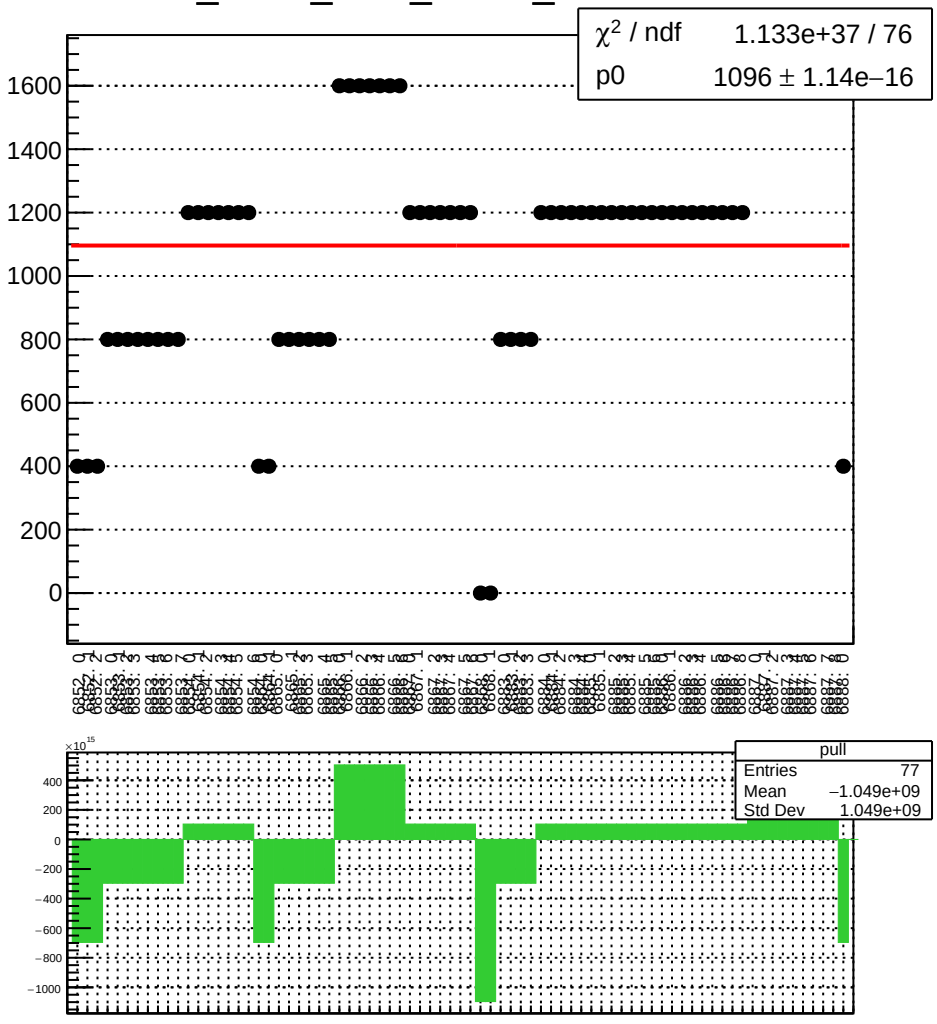


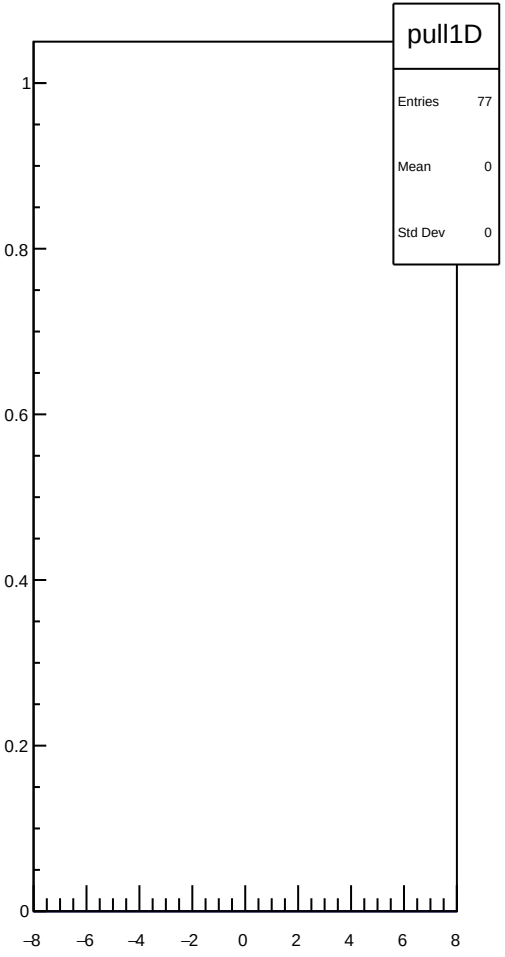


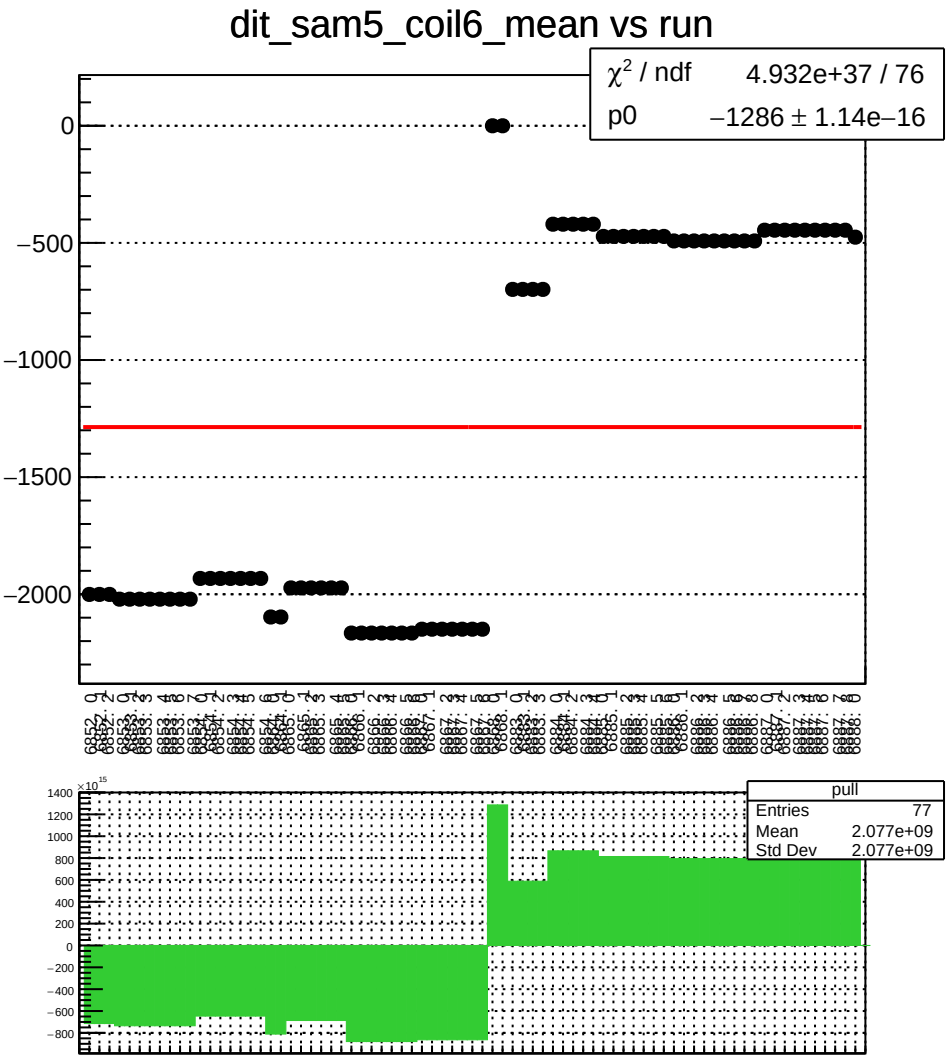

dit_sam4_coil6_mean vs run
χ² / ndf 2.428e+38 / 76
p0 −7091 ± 1.14e−16
0
−2000
−4000
−6000
−8000
pull
Entries 77
Mean 2.586e+09
Std Dev 2.586e+09
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

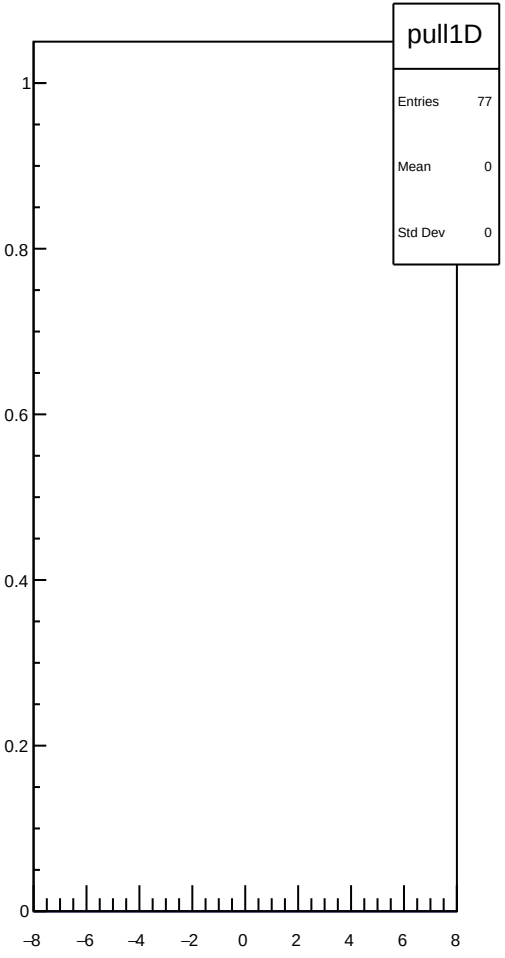

dit_sam4_coil6_err_mean vs run
χ² / ndf 8.677e+35 / 76
p0 261.2 ± 1.14e−16
pull
Entries 77
Mean −4.945e+09
Std Dev 4.945e+09
pull1D
Entries 77
Mean 0
Std Dev 0

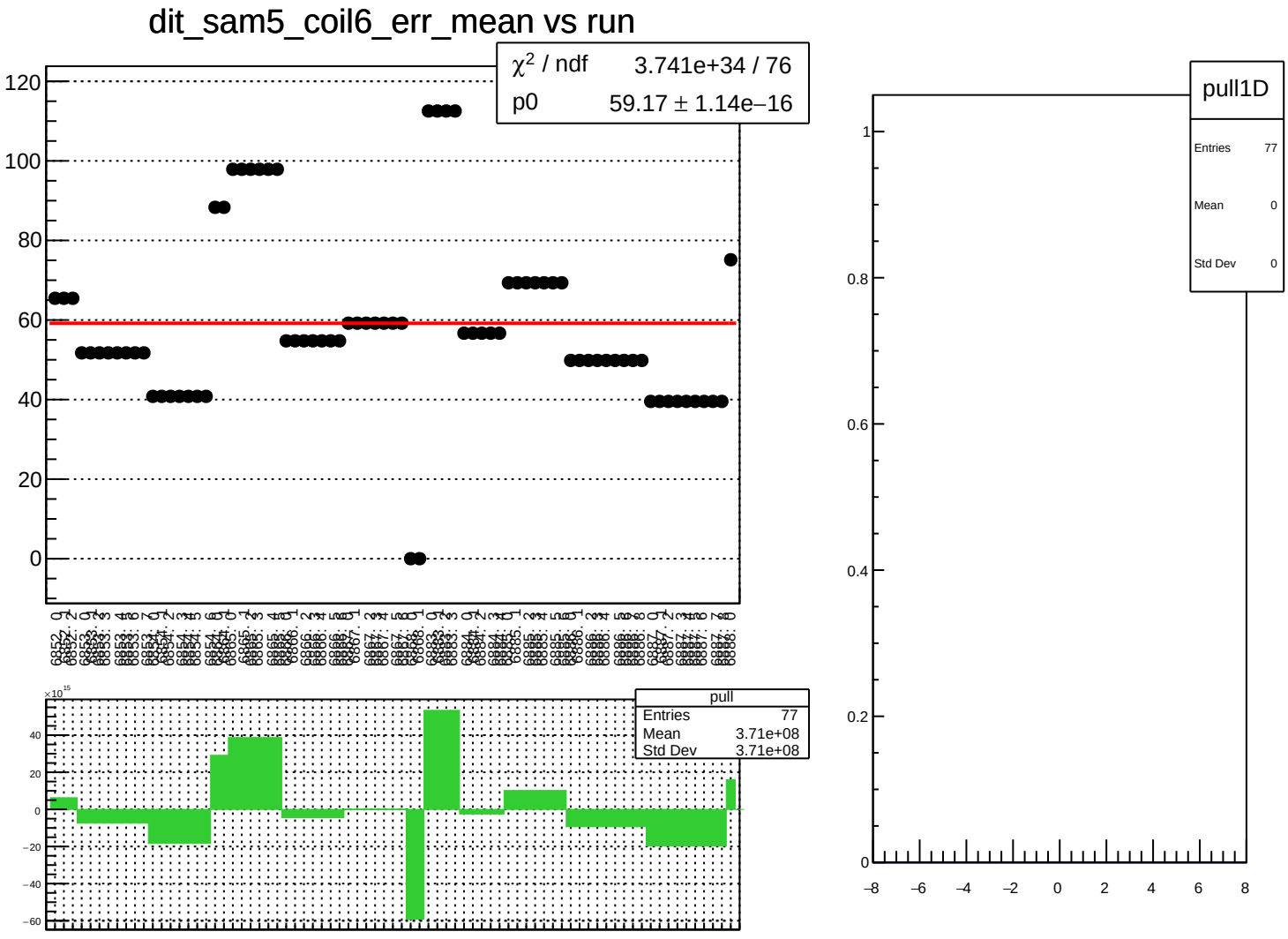
dit_sam4_coil6_Ndata_mean vs run



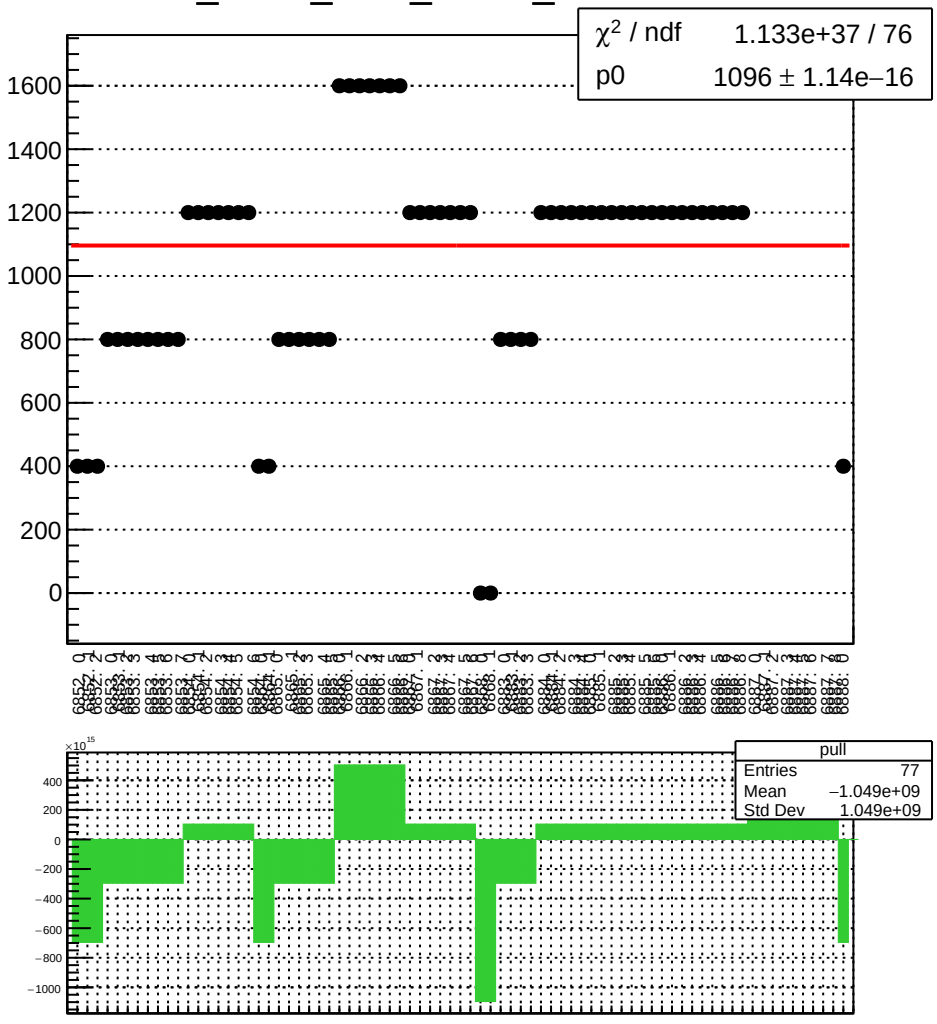


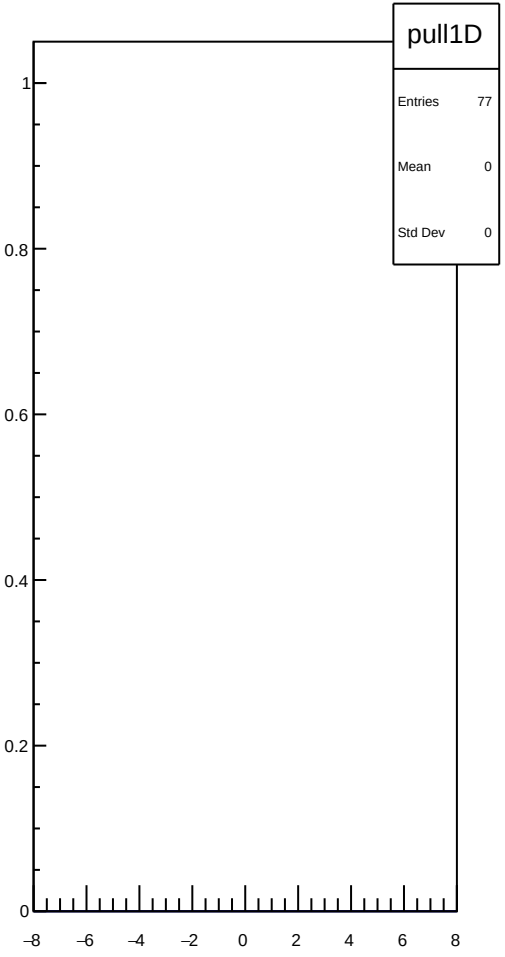

dit_sam5_coil6_mean vs run
χ^2 / ndf 4.932e+37 / 76
p0 −1286 ± 1.14e−16
0
−500
−1000
−1500
−2000
pull
Entries 77
Mean 2.077e+09
Std Dev 2.077e+09
1400
1200
1000
800
600
400
200
0
−200
−400
−600
−800

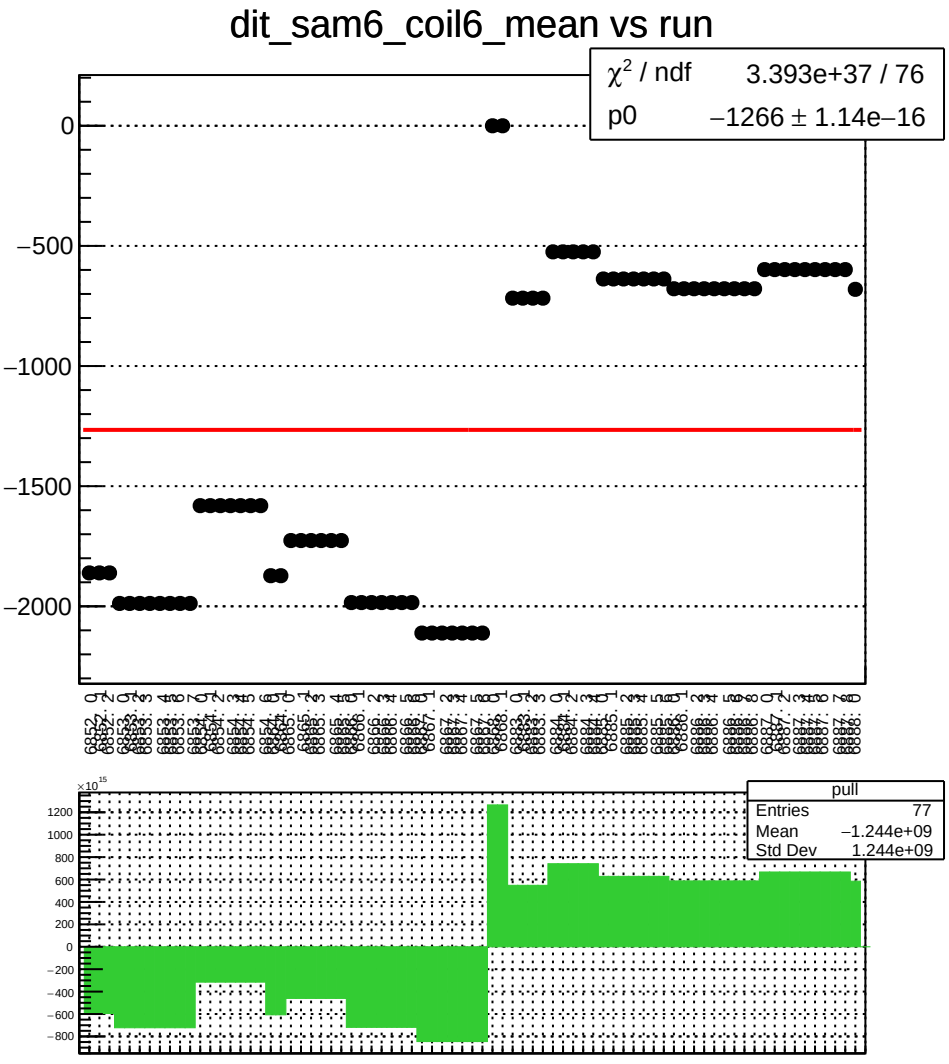

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

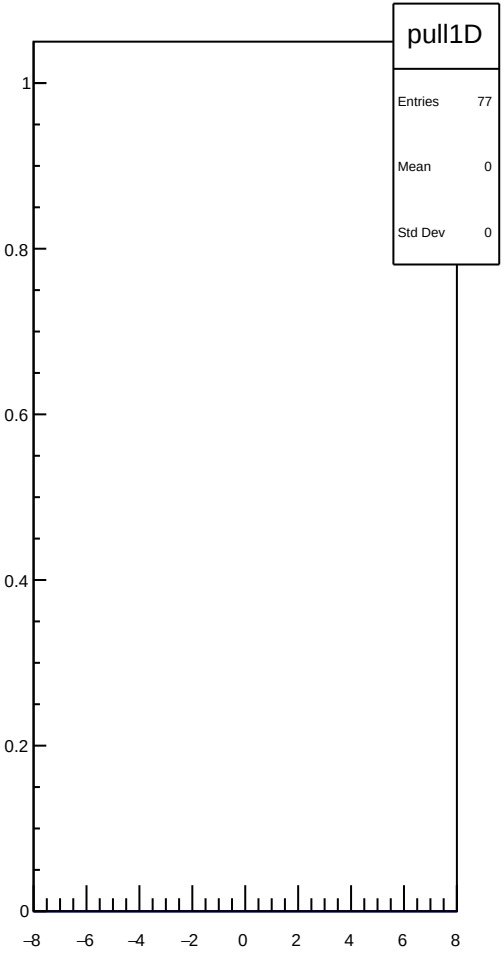

dit_sam5_coil6_err_mean vs run
χ² / ndf 3.741e+34 / 76
p0 59.17 ± 1.14e−16
pull
Entries 77
Mean 3.71e+08
Std Dev 3.71e+08
pull1D
Entries 77
Mean 0
Std Dev 0

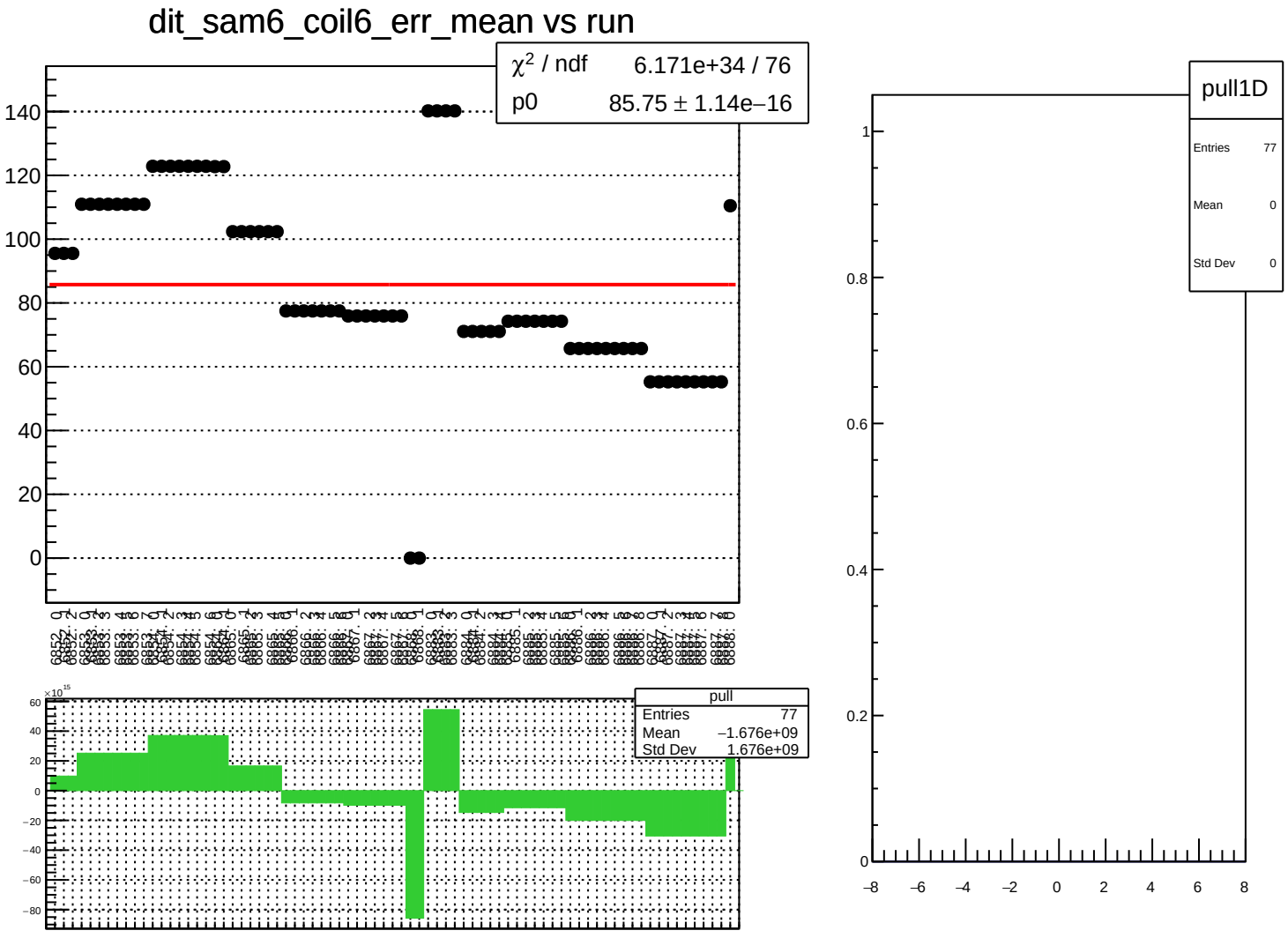
dit_sam5_coil6_Ndata_mean vs run



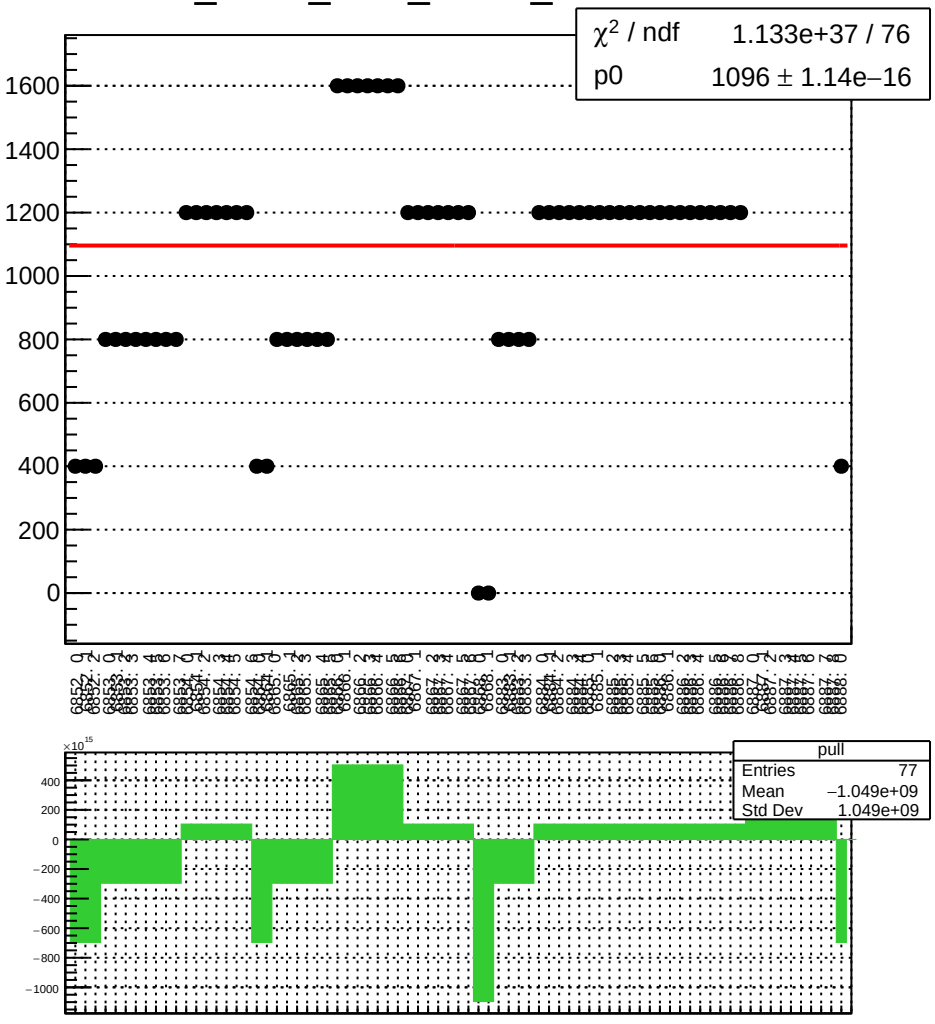


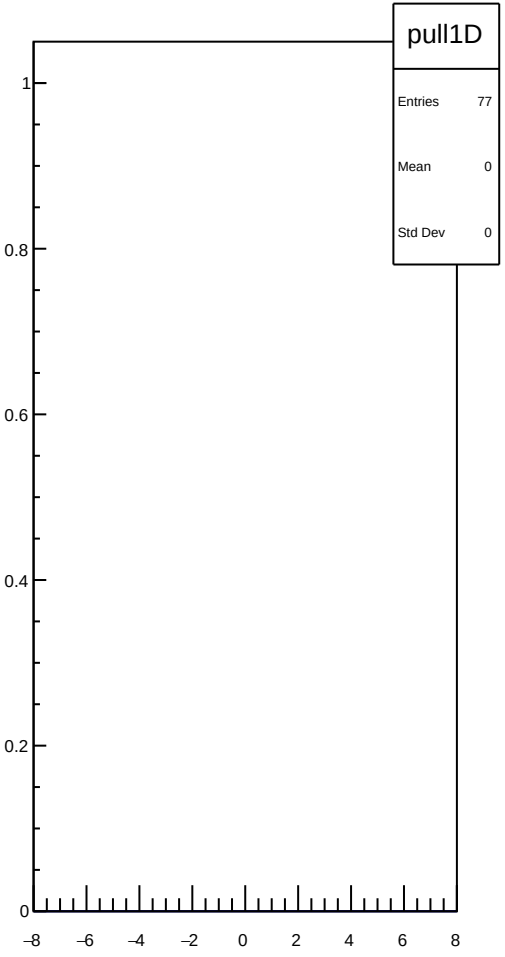

dit_sam6_coil6_mean vs run
χ² / ndf 3.393e+37 / 76
p0 −1266 ± 1.14e−16
0
−500
−1000
−1500
−2000
pull
Entries 77
Mean −1.244e+09
Std Dev 1.244e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800

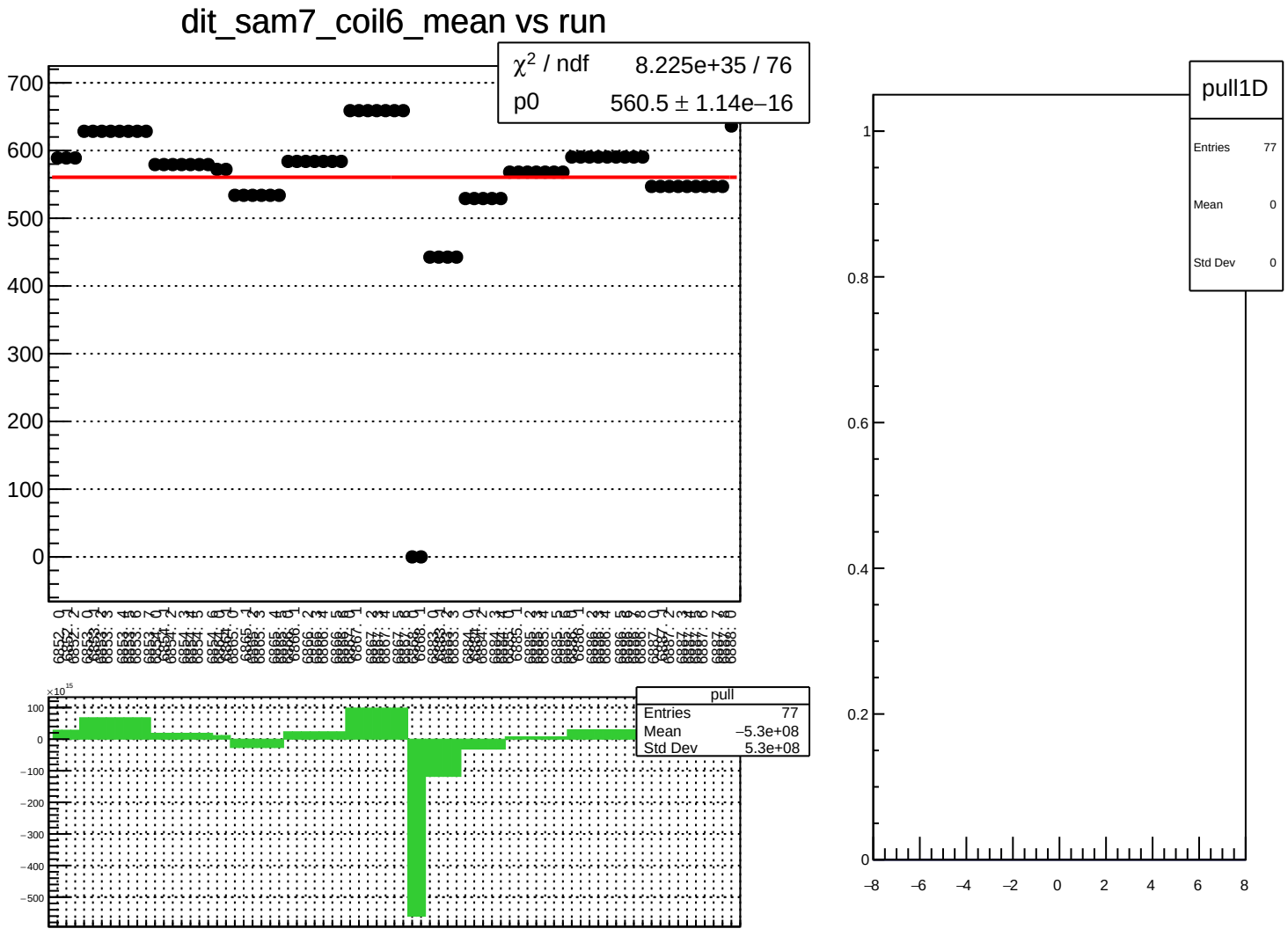

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

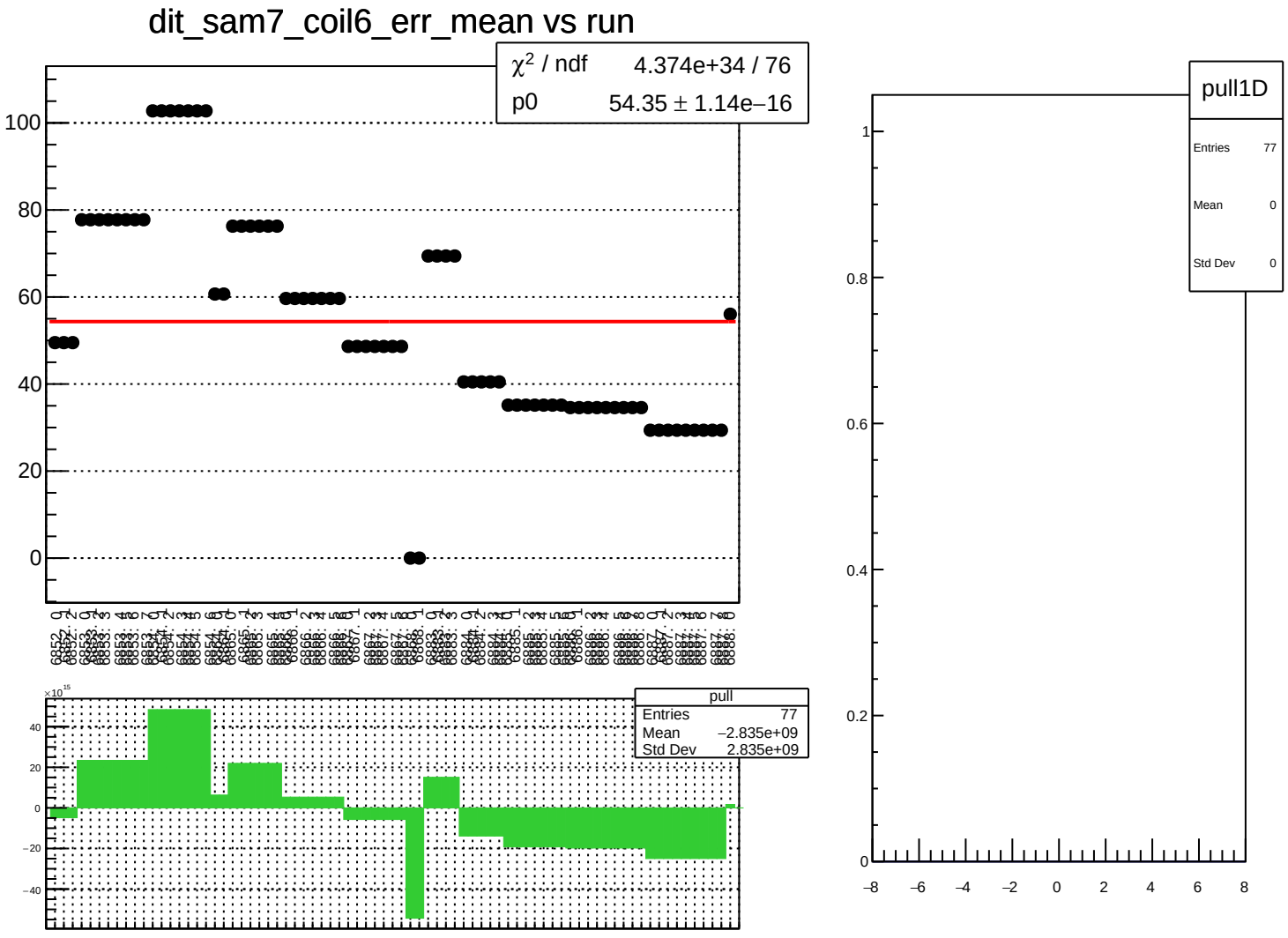

dit_sam6_coil6_err_mean vs run
χ² / ndf 6.171e+34 / 76
p0 85.75 ± 1.14e−16
pull
Entries 77
Mean −1.676e+09
Std Dev 1.676e+09
pull1D
Entries 77
Mean 0
Std Dev 0

dit_sam6_coil6_Ndata_mean vs run

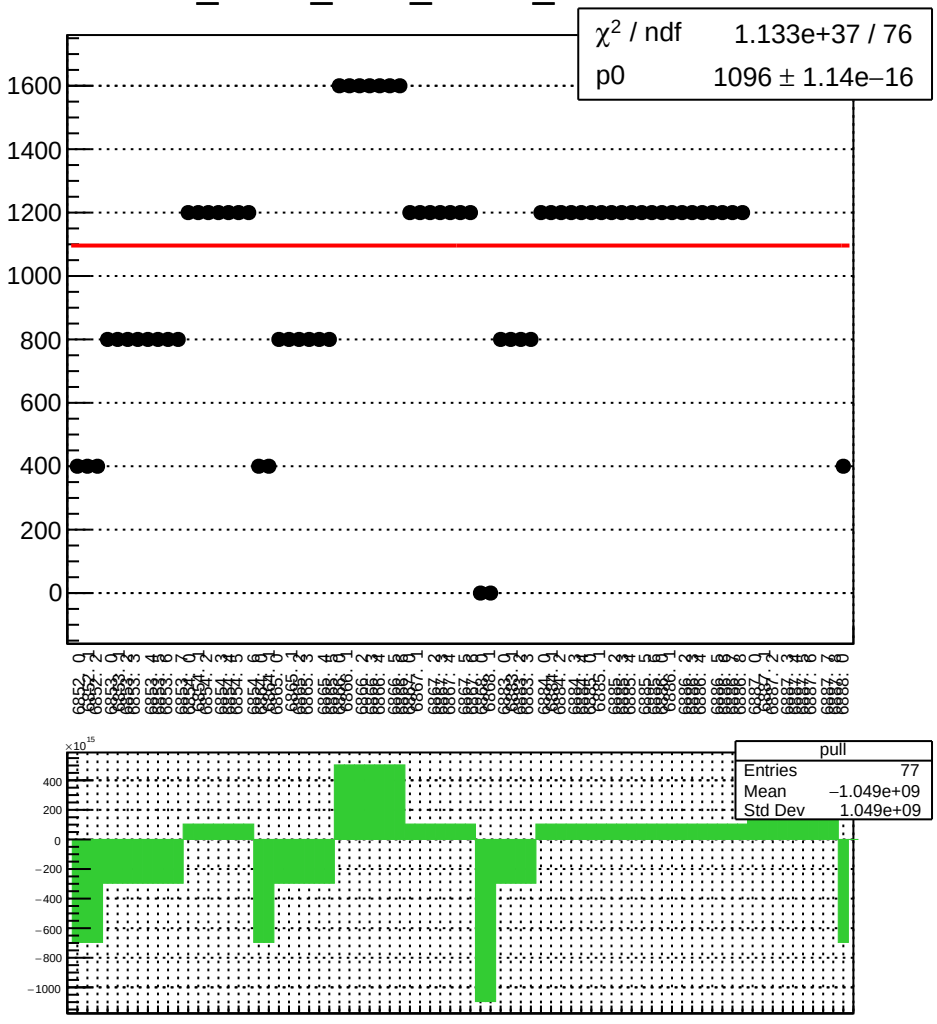


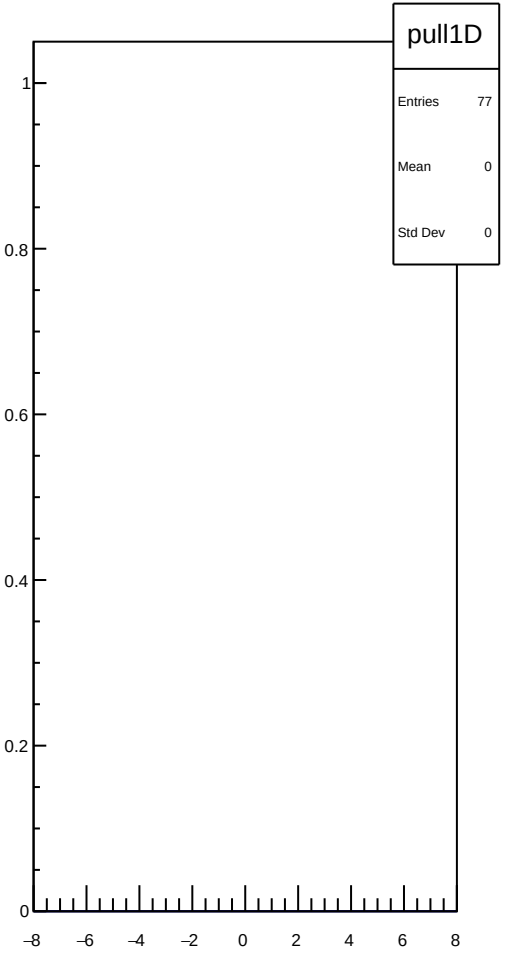


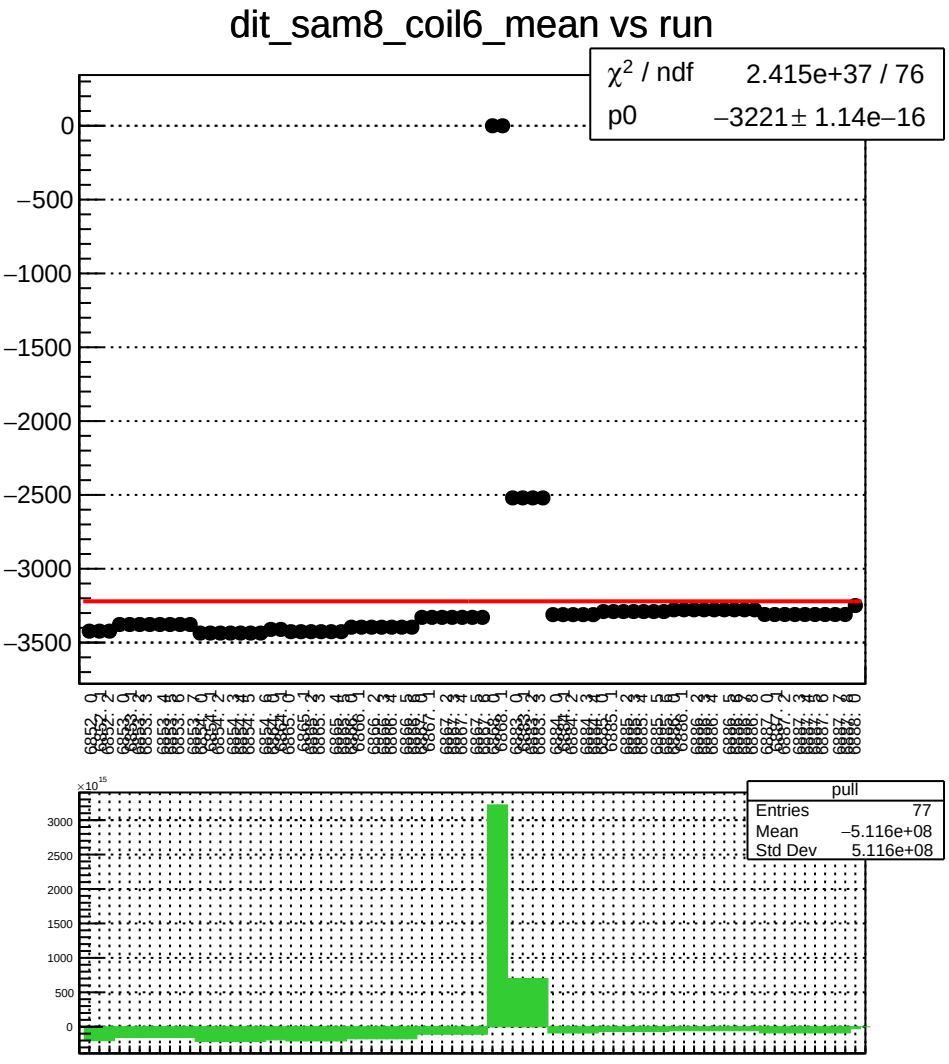

dit_sam7_coil6_mean vs run
χ² / ndf 8.225e+35 / 76
p0 560.5 ± 1.14e−16
pull
Entries 77
Mean −5.3e+08
Std Dev 5.3e+08
pull1D
Entries 77
Mean 0
Std Dev 0

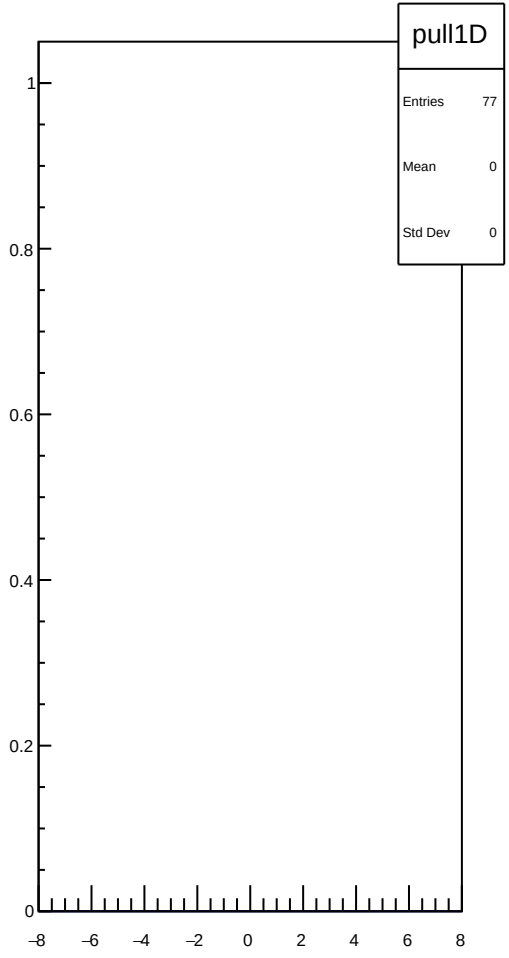

dit_sam7_coil6_err_mean vs run
χ² / ndf 4.374e+34 / 76
p0 54.35 ± 1.14e−16
pull
Entries 77
Mean −2.835e+09
Std Dev 2.835e+09
pull1D
Entries 77
Mean 0
Std Dev 0

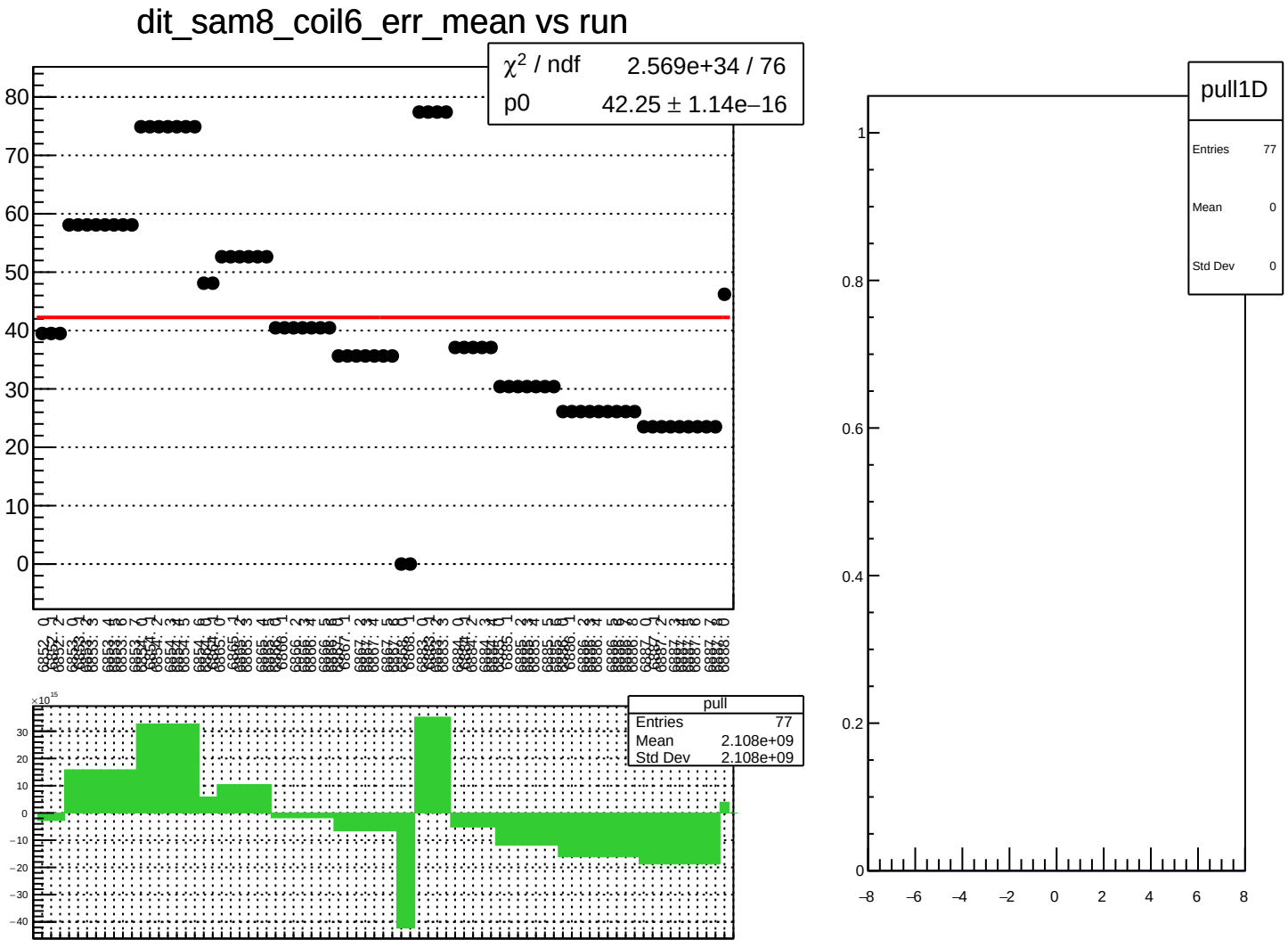
dit_sam7_coil6_Ndata_mean vs run



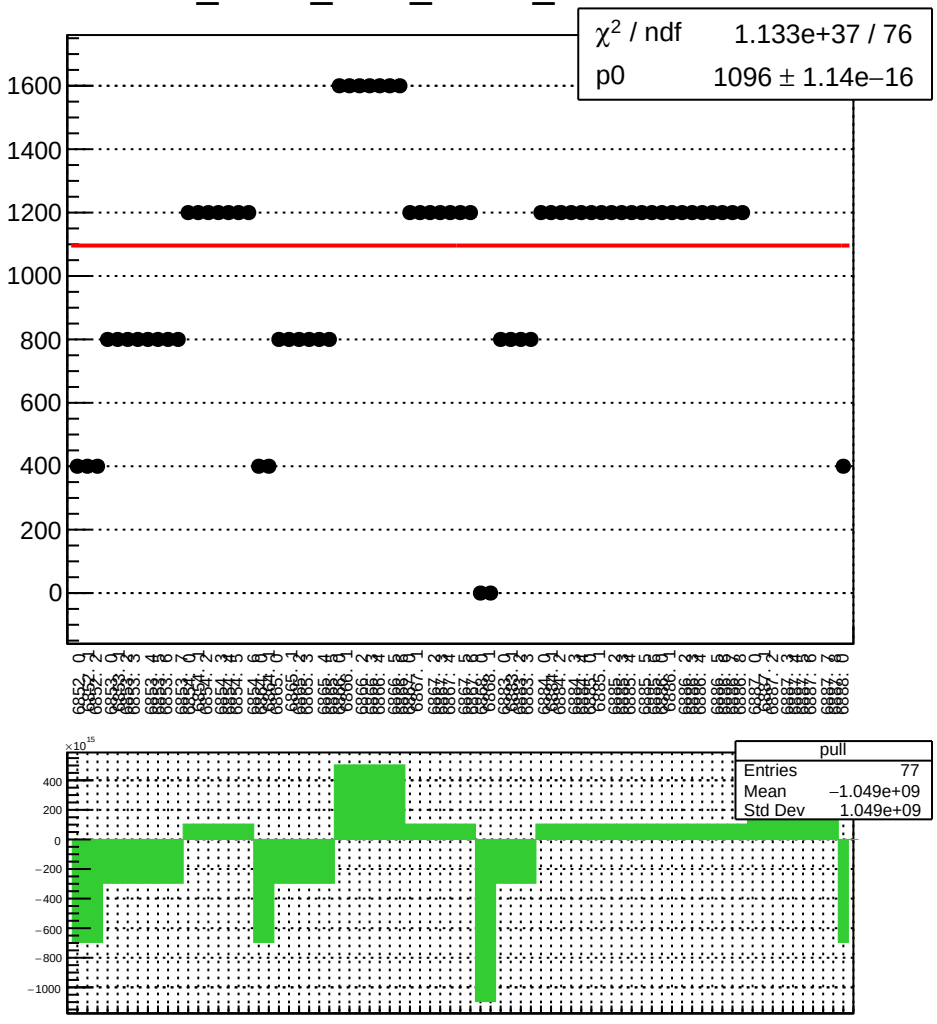


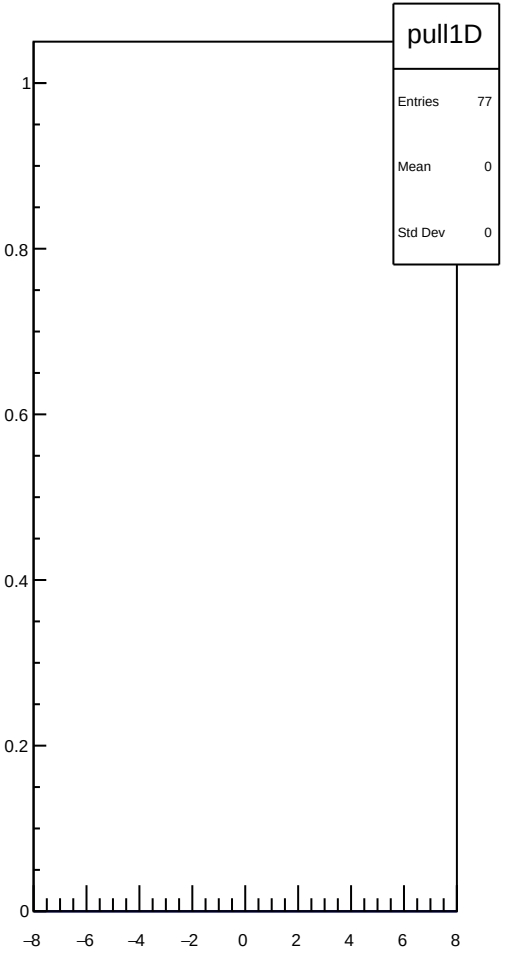

dit_sam8_coil6_mean vs run
χ^2 / ndf 2.415e+37 / 76
p0 −3221 ± 1.14e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 77
Mean −5.116e+08
Std Dev 5.116e+08
×10^15
3000
2500
2000
1500
1000
500
0

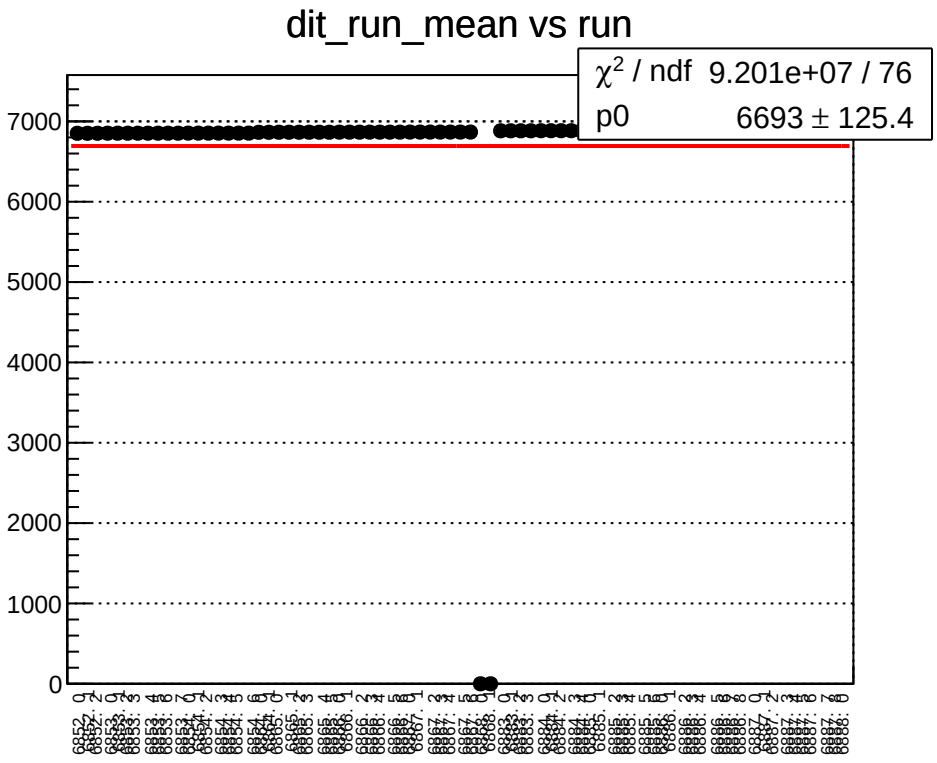

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

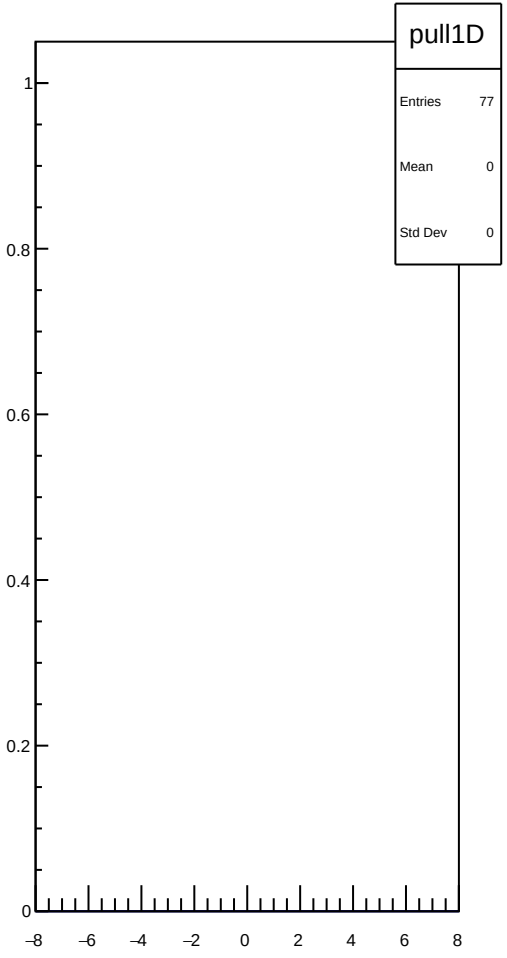

dit_sam8_coil6_err_mean vs run
χ² / ndf 2.569e+34 / 76
p0 42.25 ± 1.14e−16
pull
Entries 77
Mean 2.108e+09
Std Dev 2.108e+09
pull1D
Entries 77
Mean 0
Std Dev 0

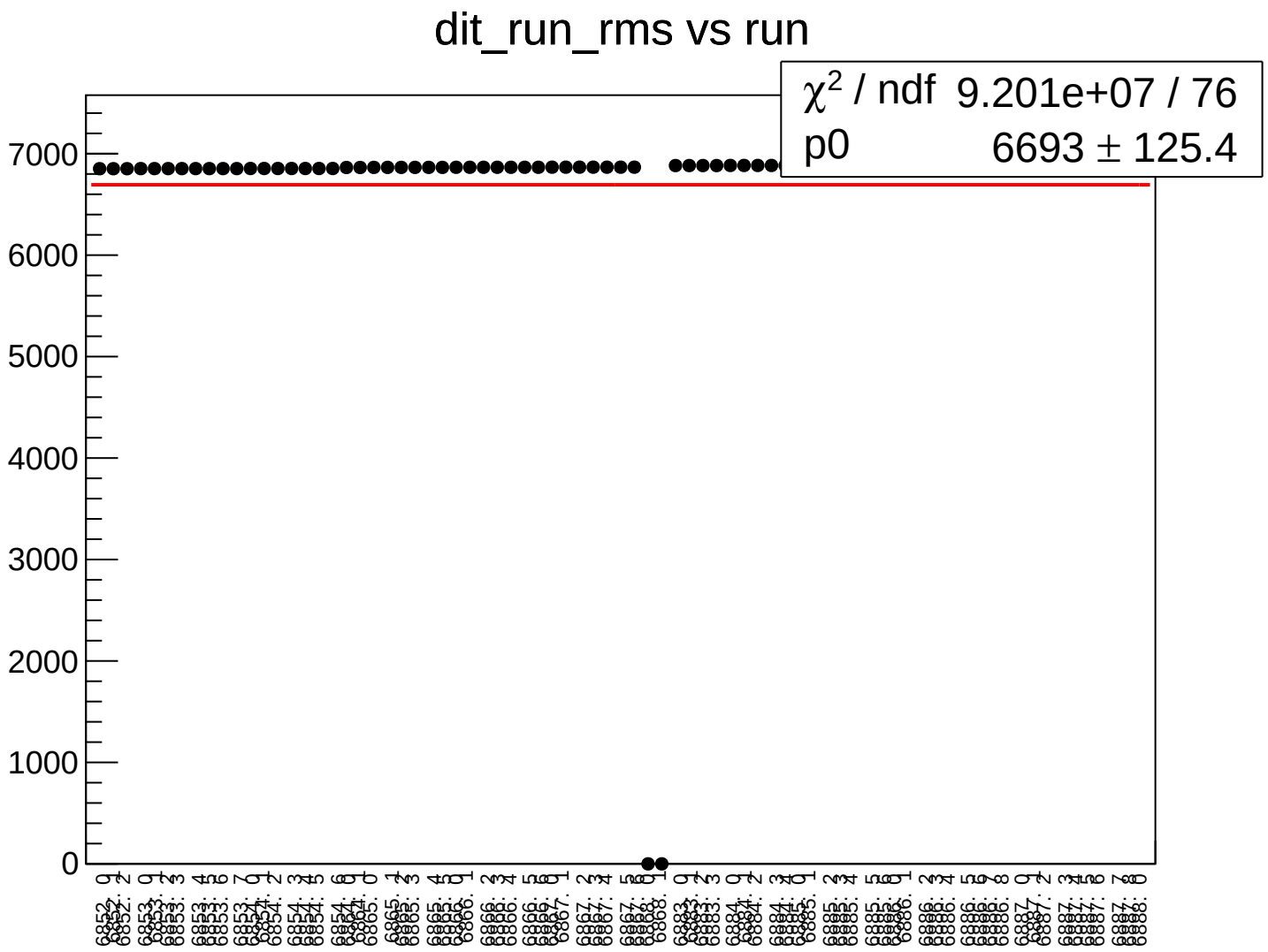
dit_sam8_coil6_Ndata_mean vs run

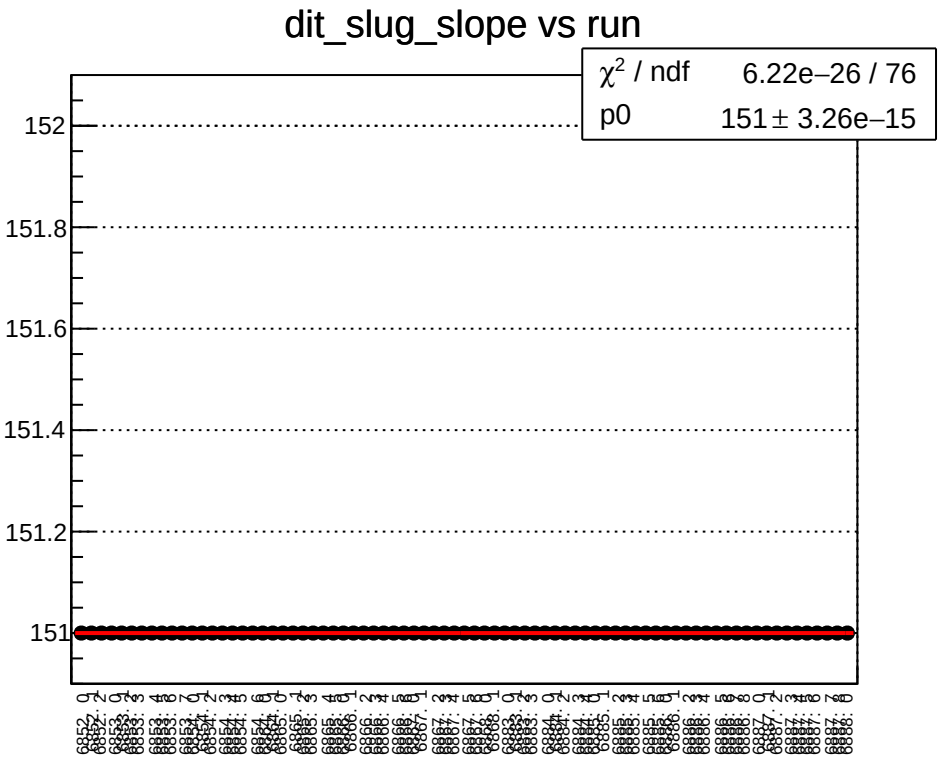


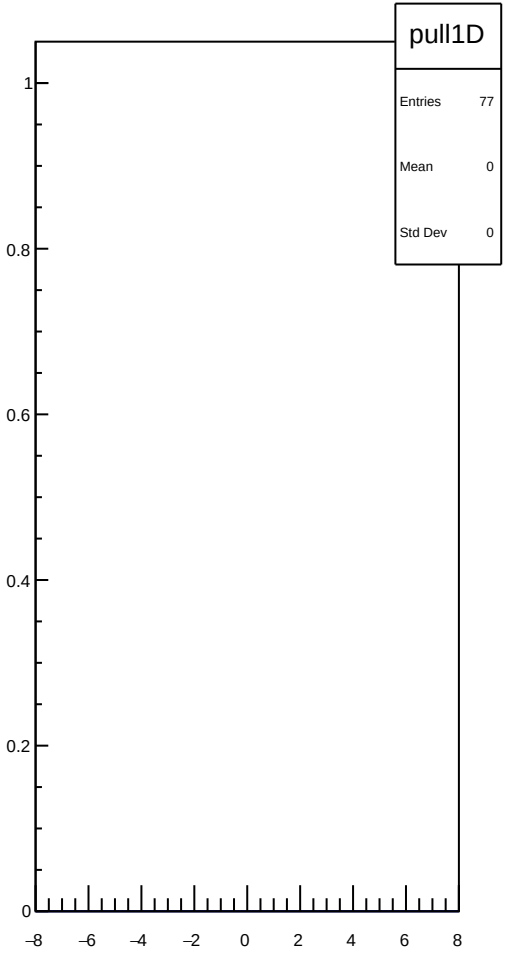


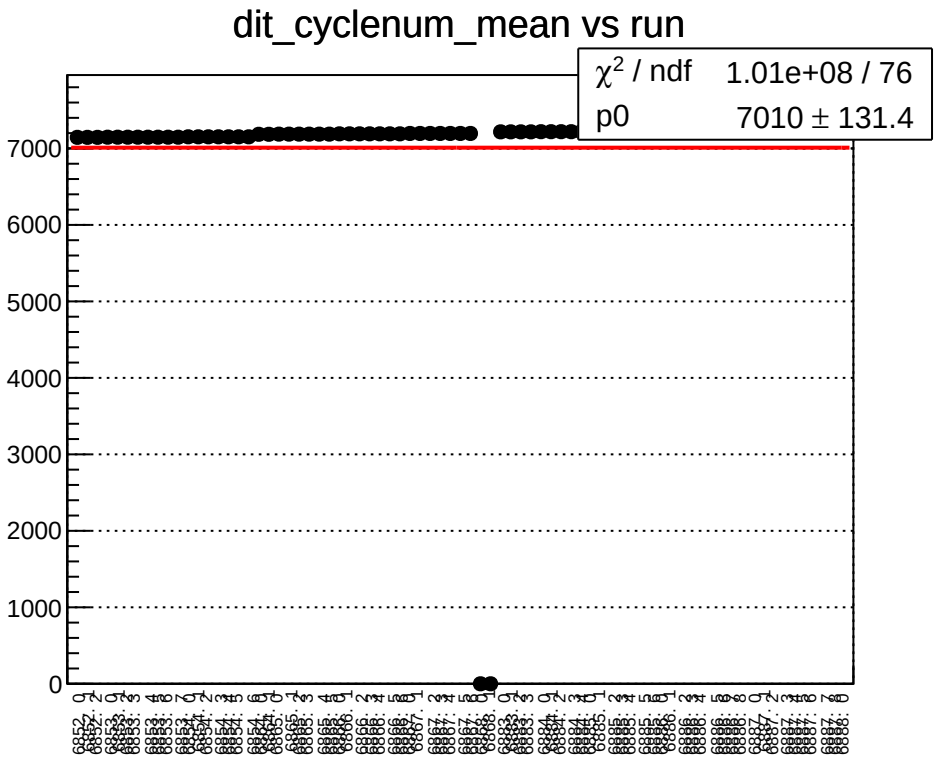

dit_run_mean vs run
χ^2 / ndf 9.201e+07 / 76
p0 6693 ± 125.4
7000
6000
5000
4000
3000
2000
1000
0

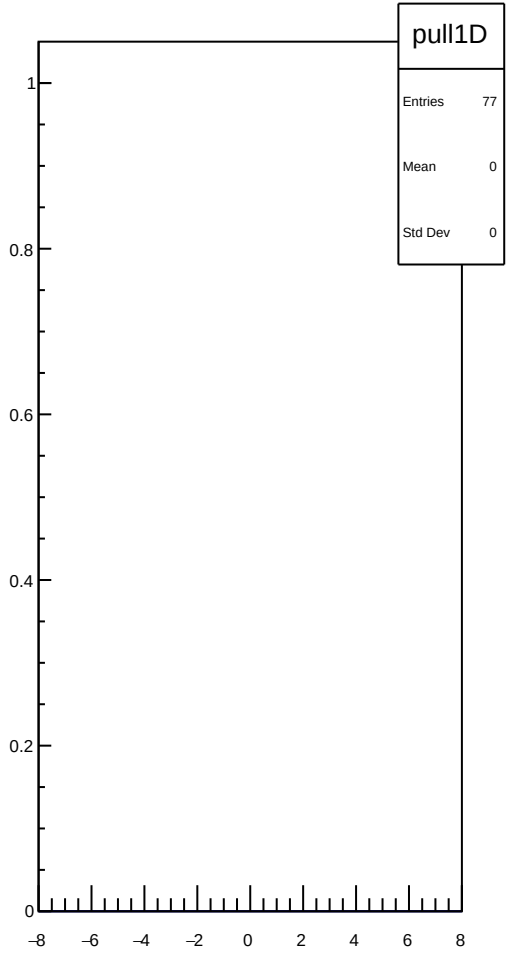

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

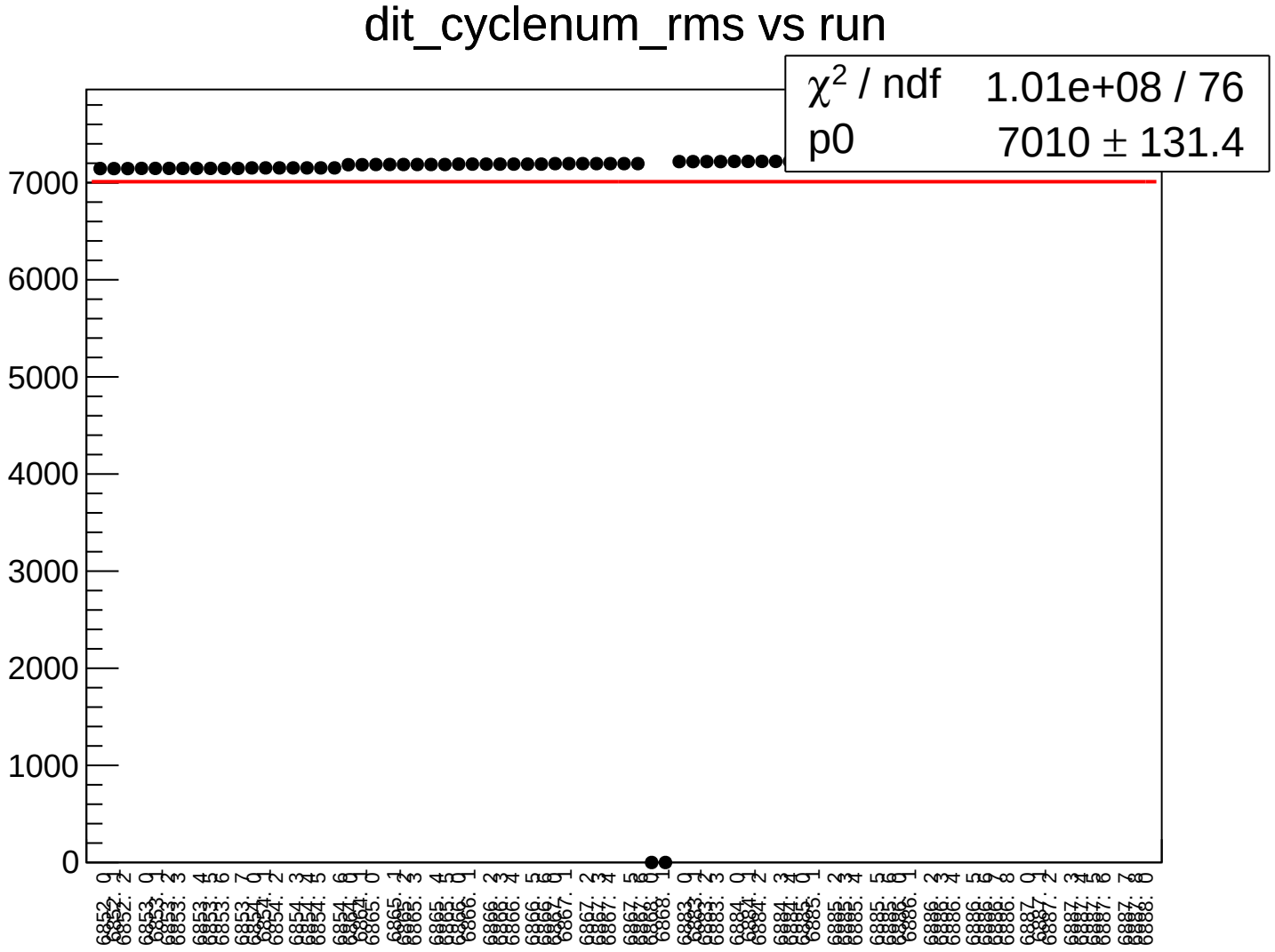

dit_run_rms vs run
χ^2 / ndf 9.201e+07 / 76
p0 6693 ± 125.4
7000
6000
5000
4000
3000
2000
1000
0

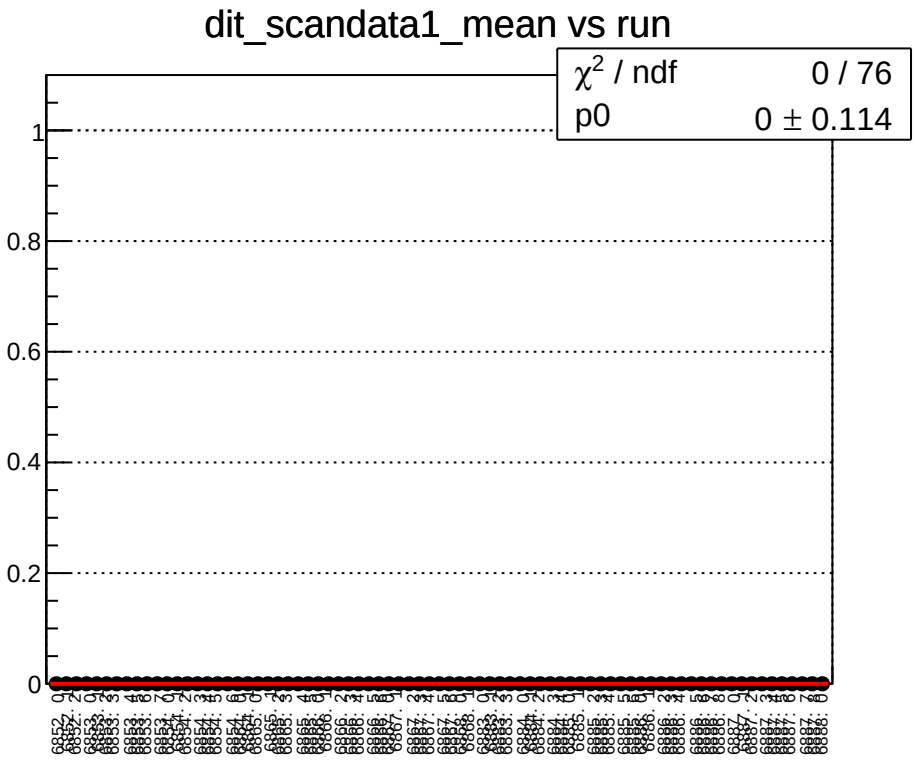

dit_slug_slope vs run
χ^2 / ndf 6.22e−26 / 76
p0 151 ± 3.26e−15
152
151.8
151.6
151.4
151.2
151

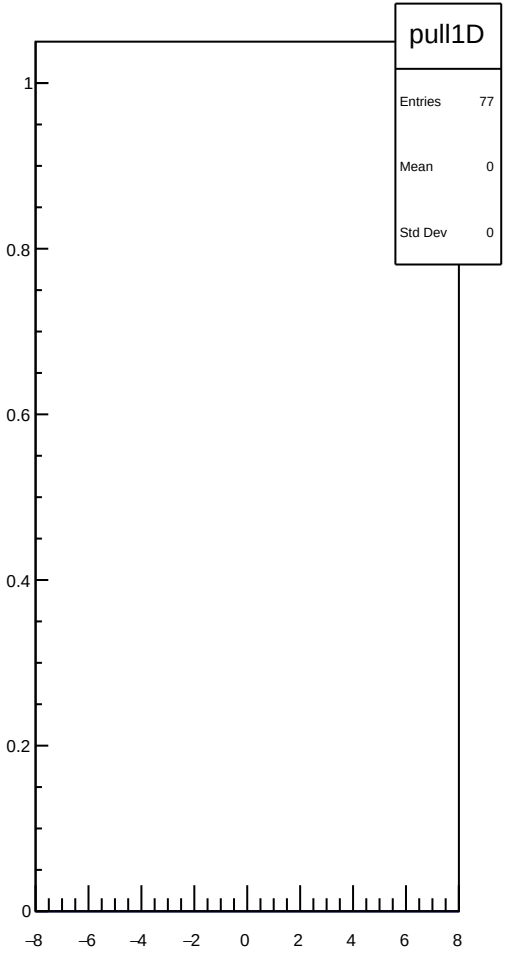

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 1.01e+08 / 76
p0 7010 ± 131.4
7000
6000
5000
4000
3000
2000
1000
0

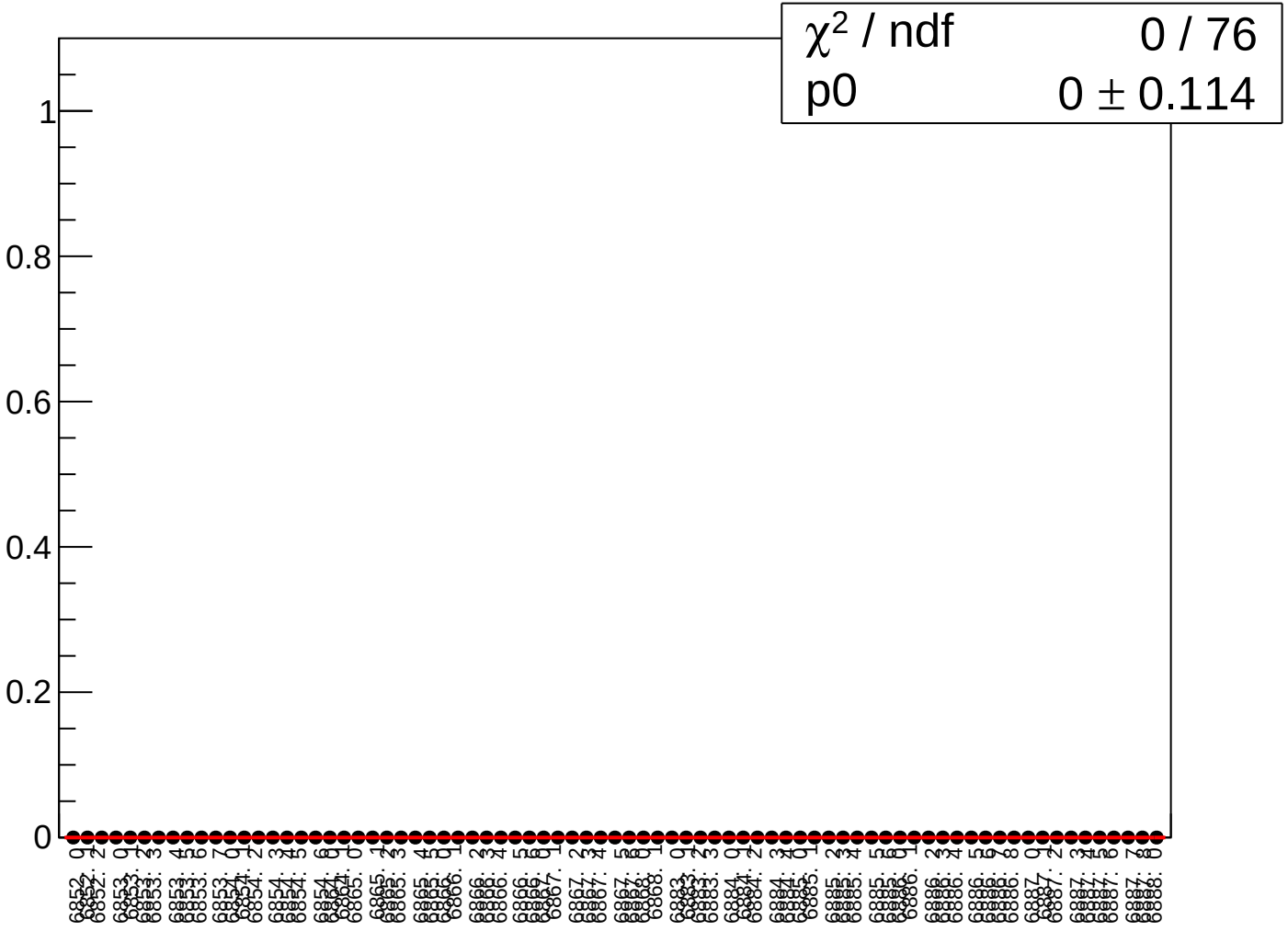

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

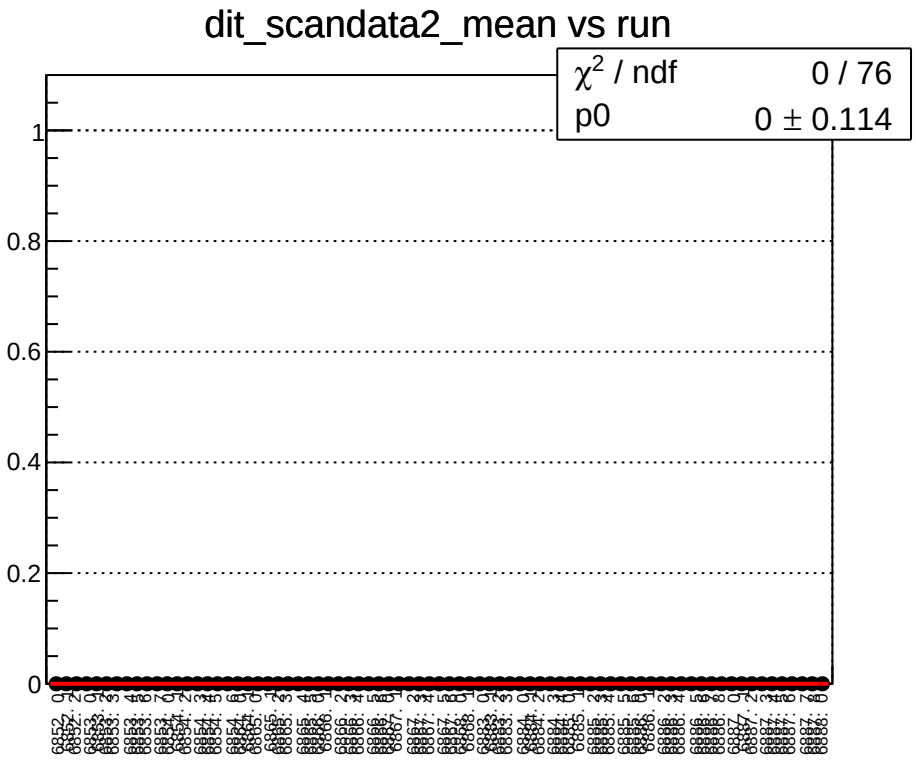

dit_cyclenum_rms vs run
χ^2 / ndf 1.01e+08 / 76
p0 7010 ± 131.4
7000
6000
5000
4000
3000
2000
1000
0

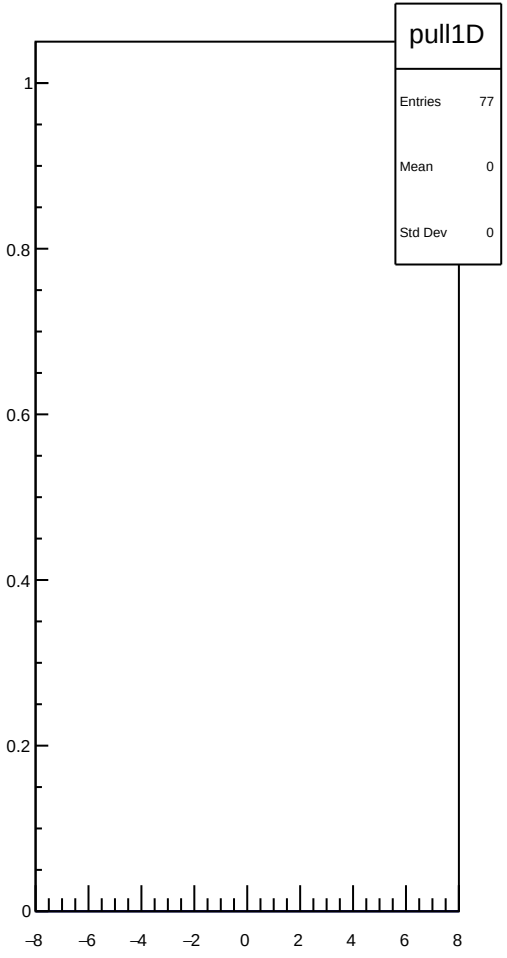

dit_scandata1_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

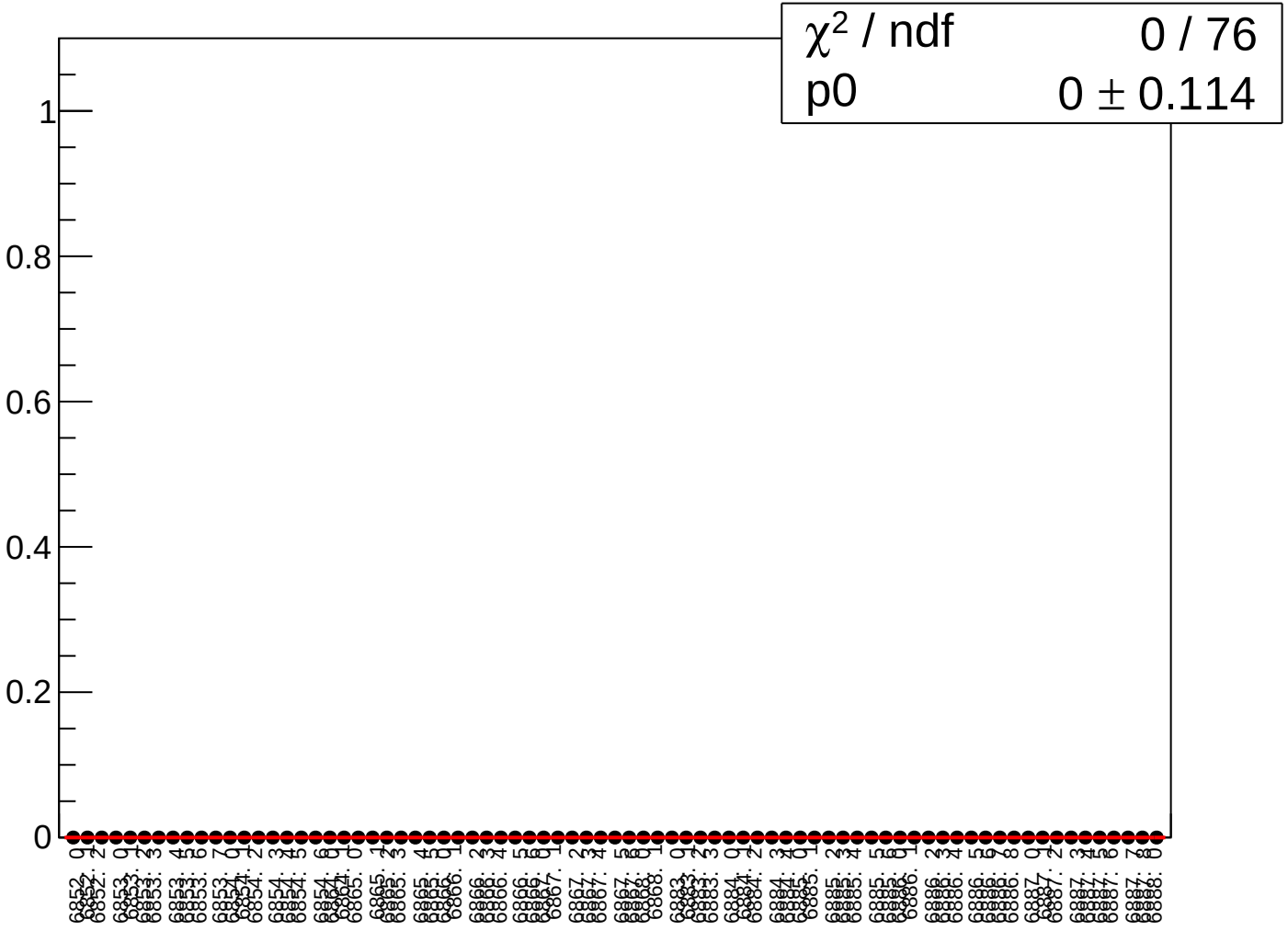
dit_scandata1_rms vs run

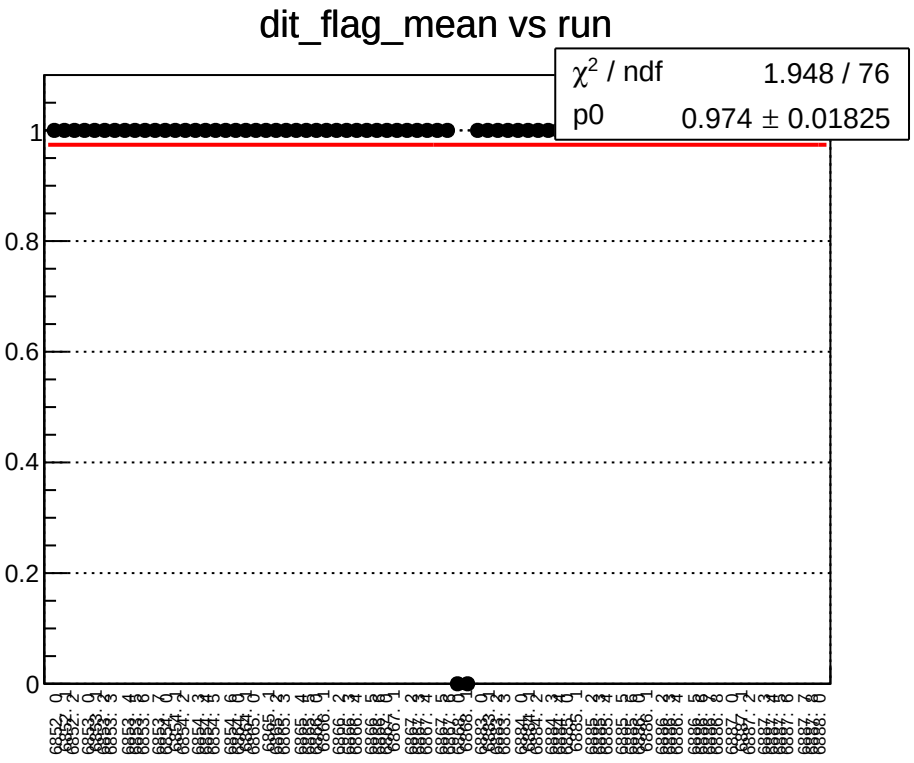


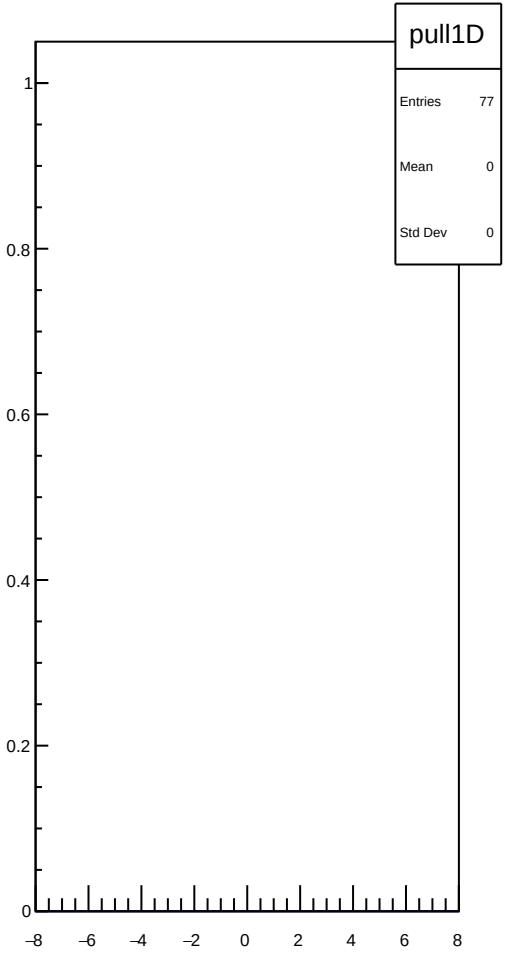

dit_scandata2_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

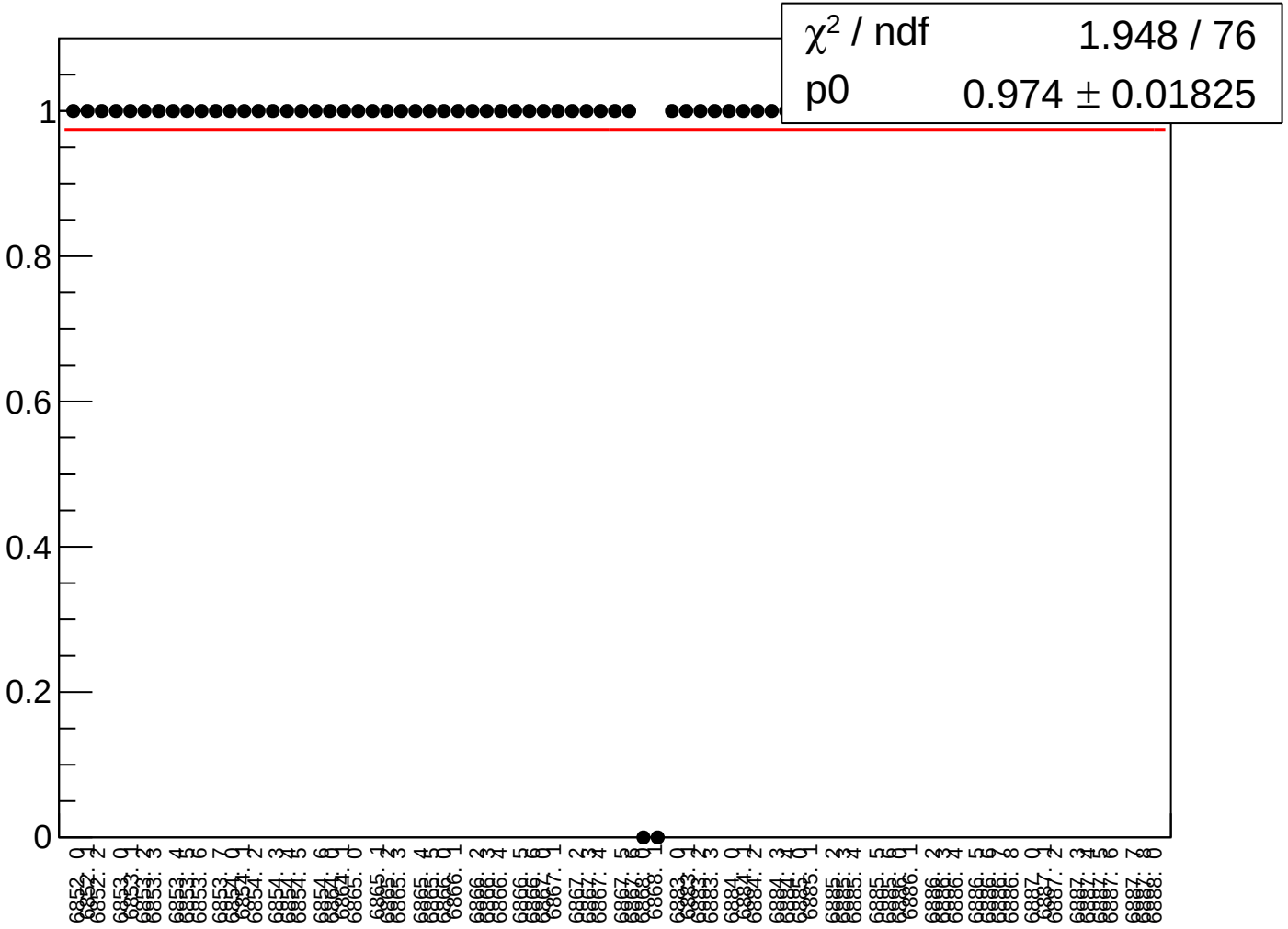
dit_scandata2_rms vs run

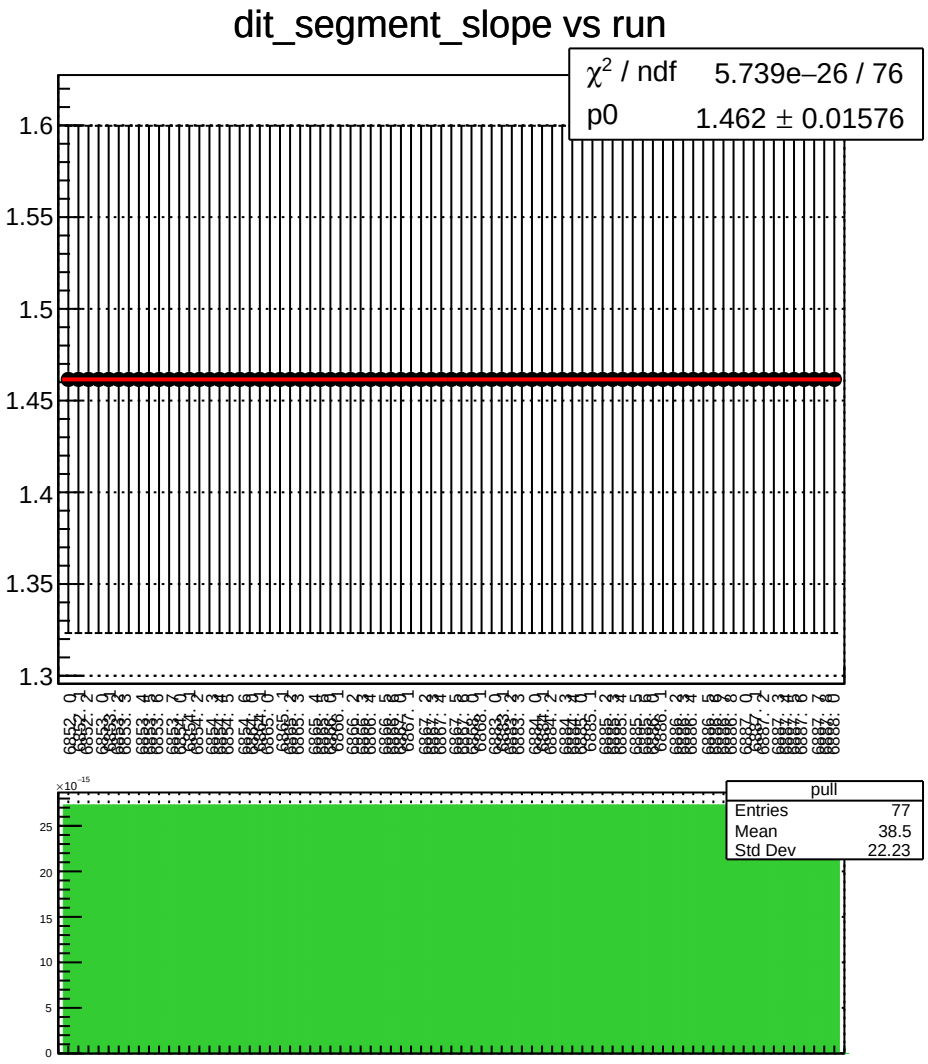


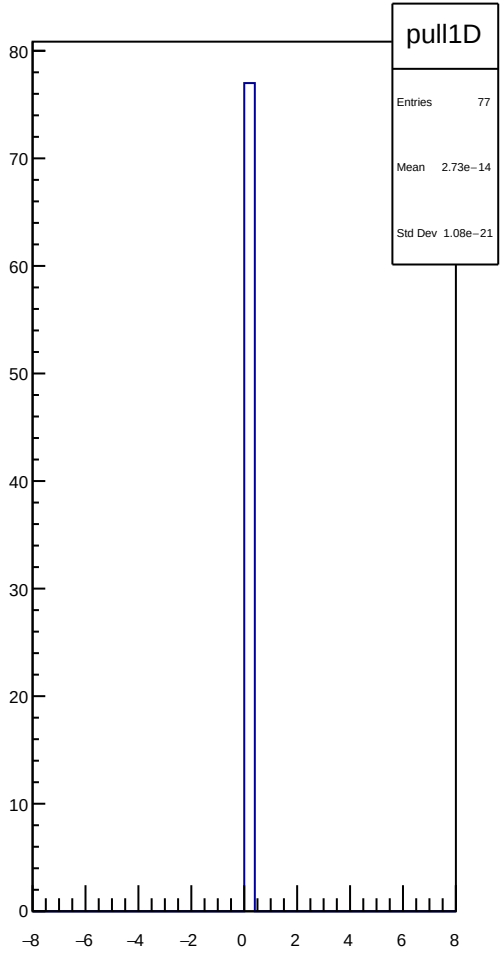

dit_flag_mean vs run
χ^2 / ndf 1.948 / 76
p0 0.974 ± 0.01825
1
0.8
0.6
0.4
0.2
0

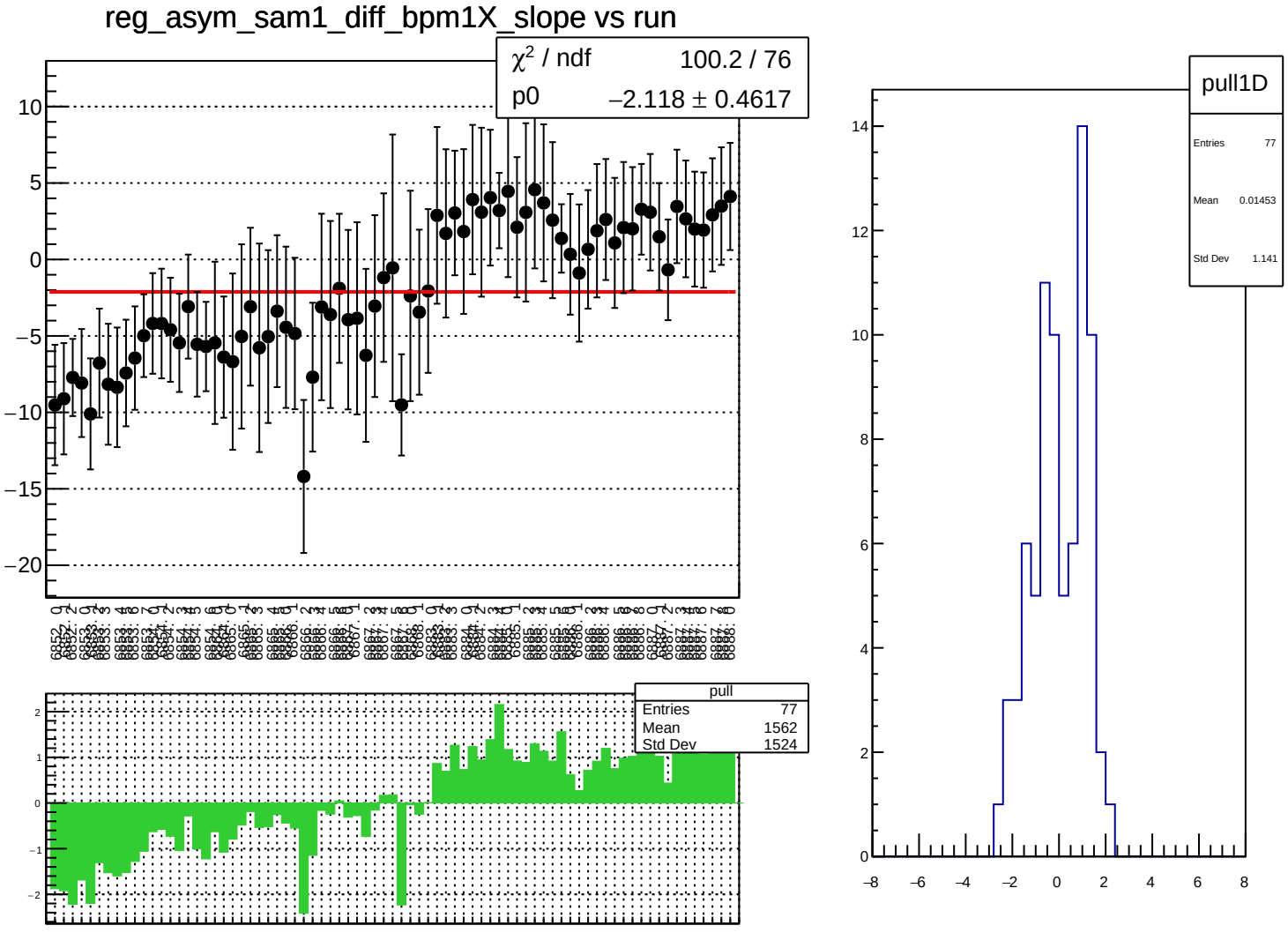

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

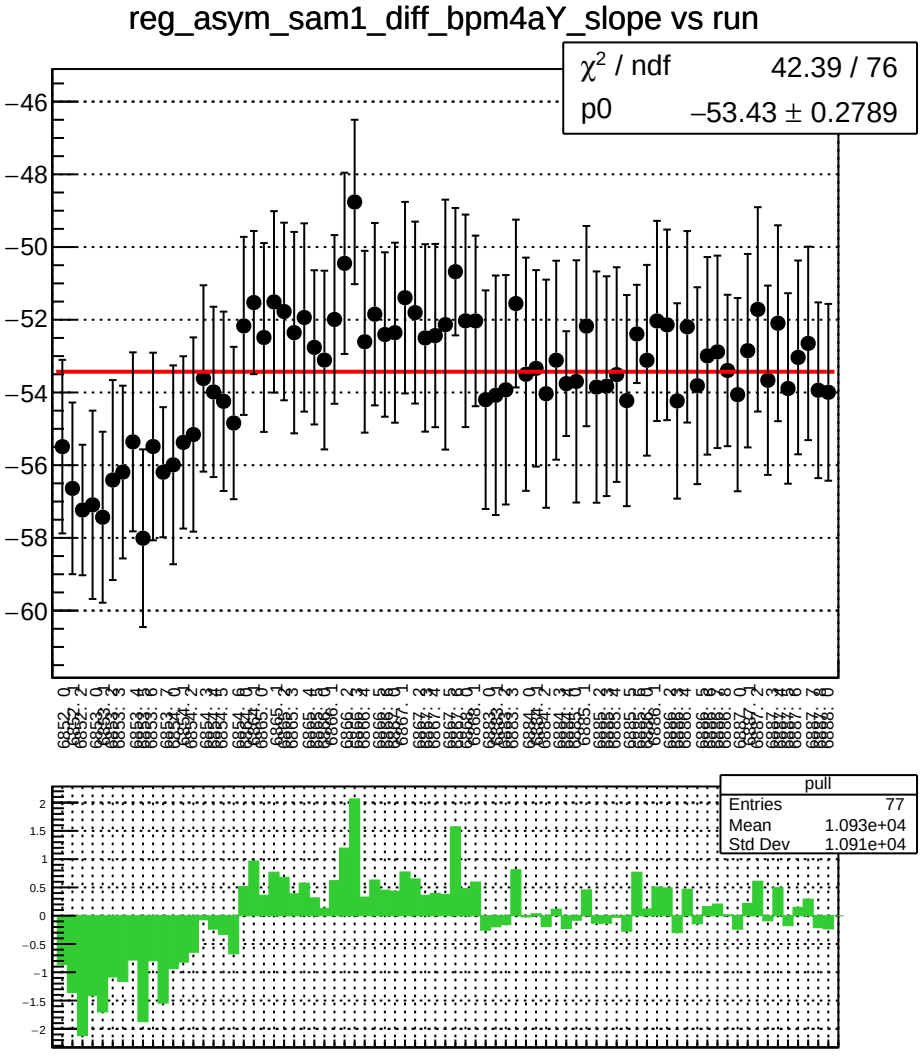
dit_flag_rms vs run

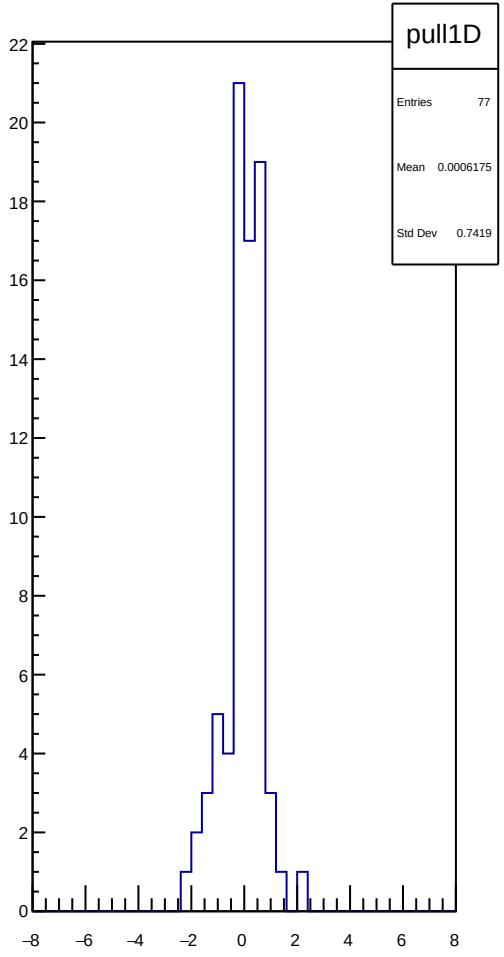


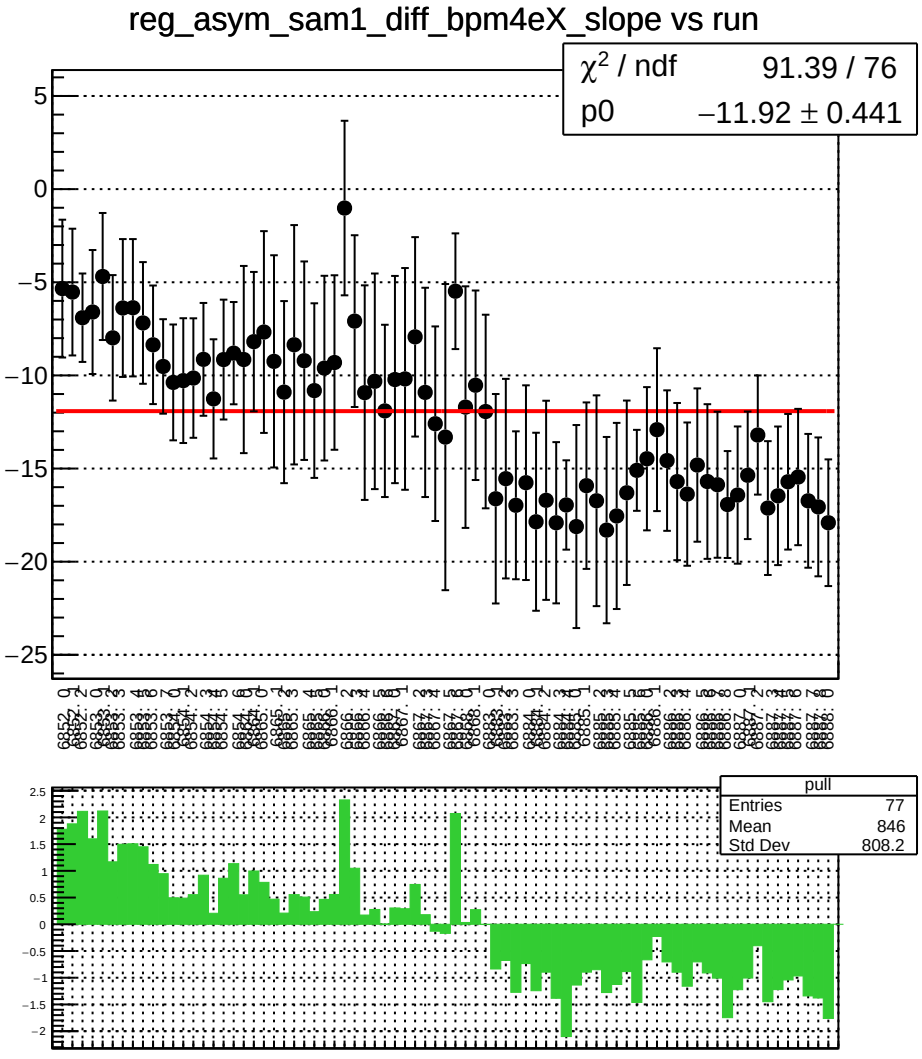

dit_segment_slope vs run
χ^2 / ndf 5.739e−26 / 76
p0 1.462 ± 0.01576
1.6
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 77
Mean 38.5
Std Dev 22.23
×10^−15
25
20
15
10
5
0

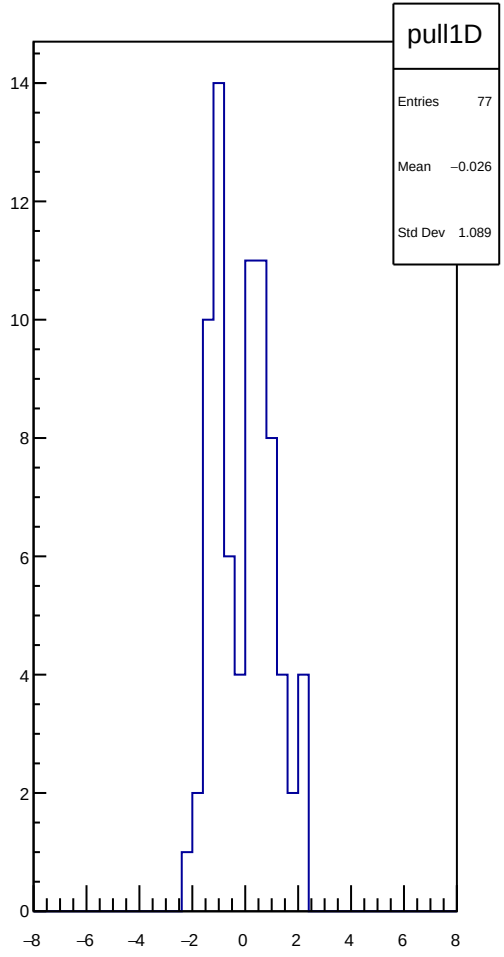

pull1D
Entries 77
Mean 2.73e−14
Std Dev 1.08e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

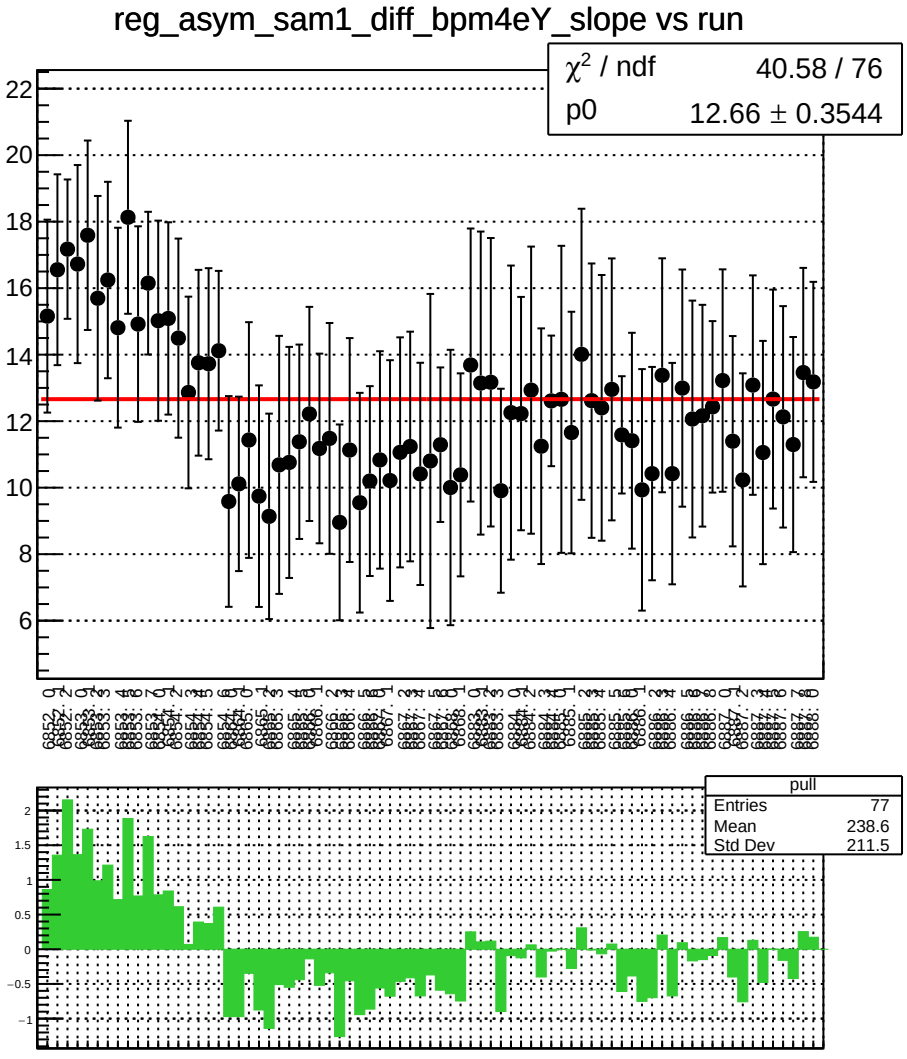

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 100.2 / 76
p0 −2.118 ± 0.4617
pull
Entries 77
Mean 1562
Std Dev 1524
pull1D
Entries 77
Mean 0.01453
Std Dev 1.141

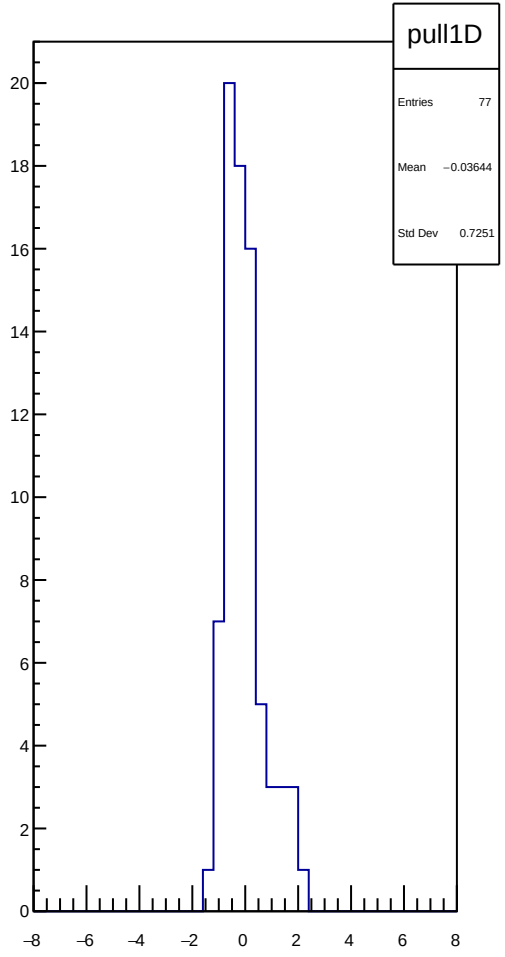

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 42.39 / 76
p0 −53.43 ± 0.2789
pull
Entries 77
Mean 1.093e+04
Std Dev 1.091e+04

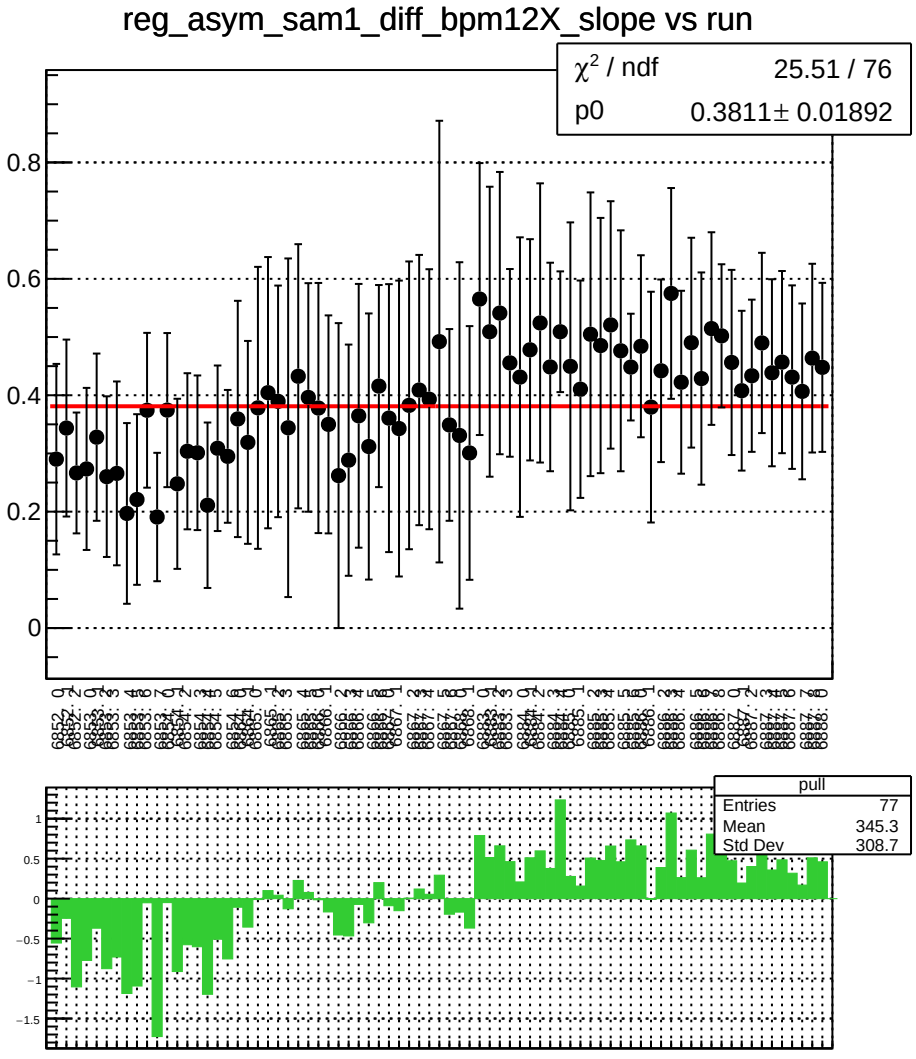

pull1D
Entries 77
Mean 0.0006175
Std Dev 0.7419

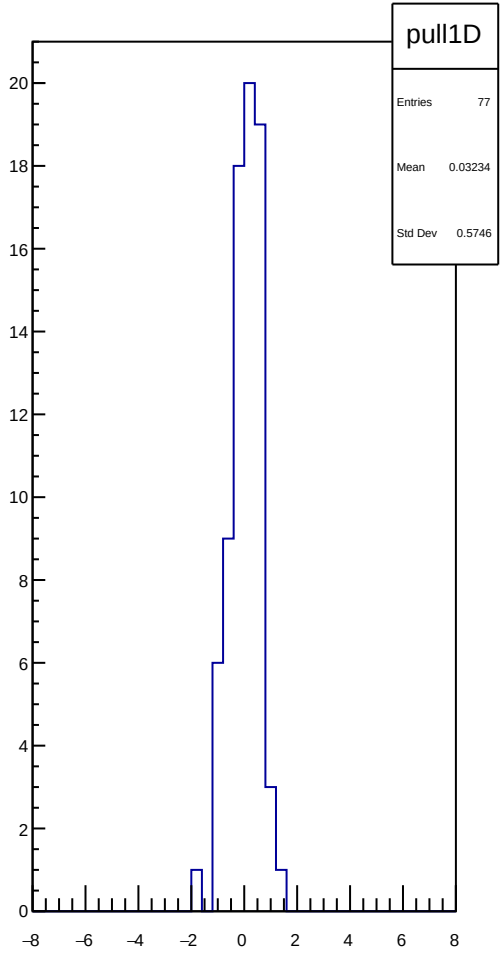

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 91.39 / 76
p0 −11.92 ± 0.441
pull
Entries 77
Mean 846
Std Dev 808.2

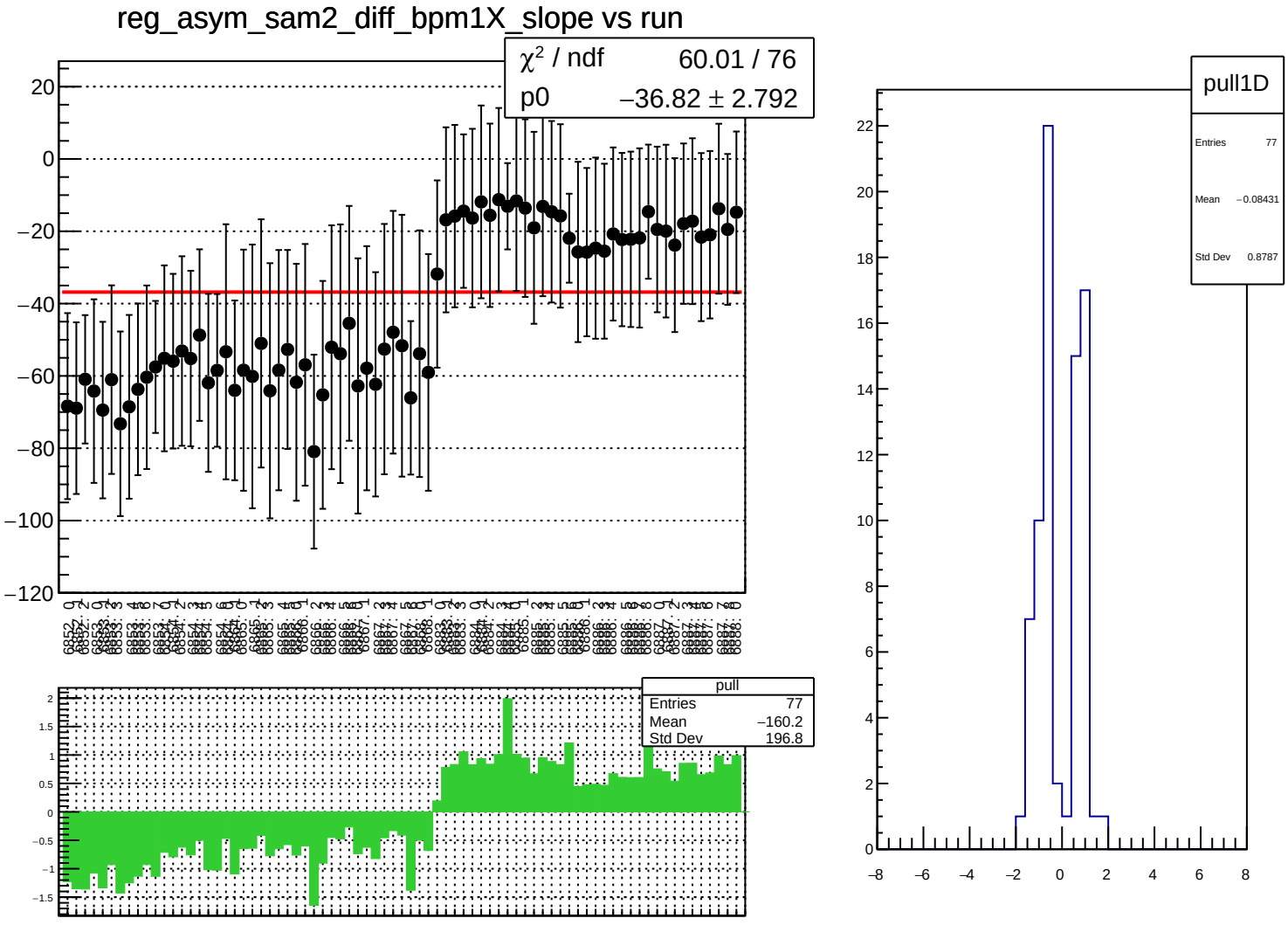

pull1D
Entries 77
Mean −0.026
Std Dev 1.089

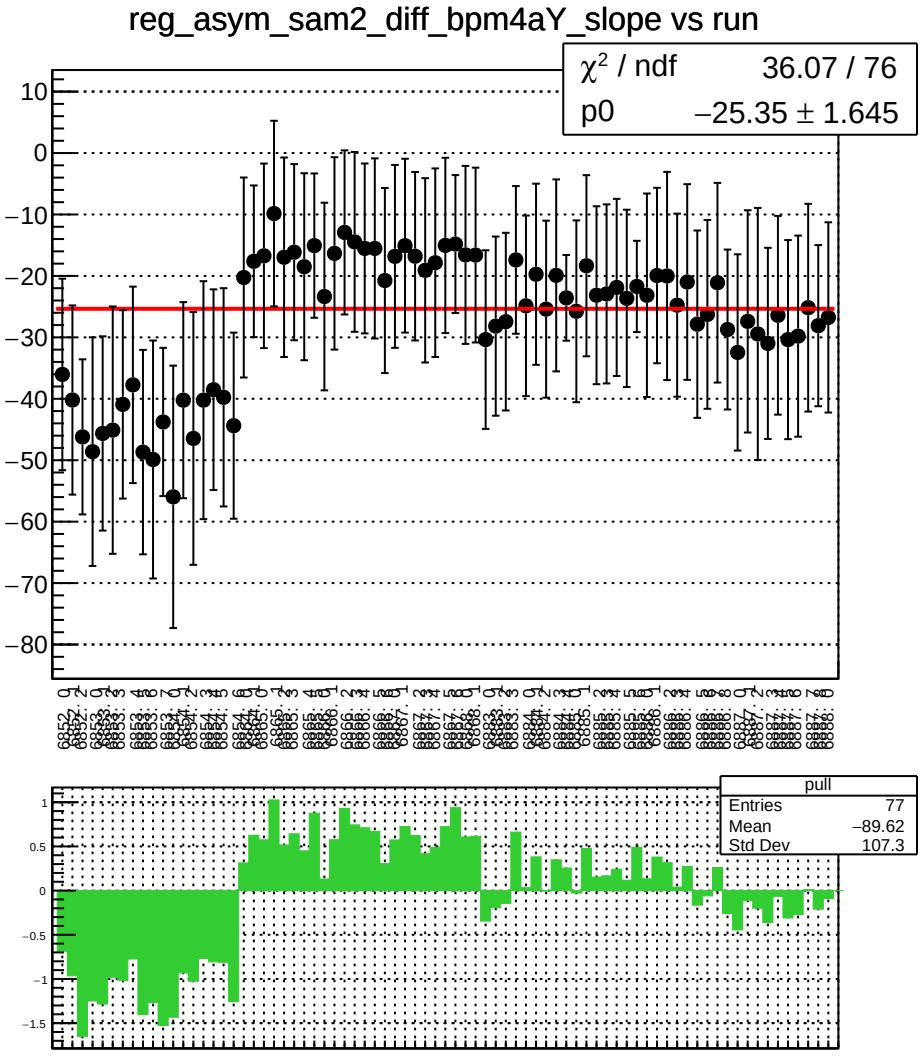

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 40.58 / 76
p0 12.66 ± 0.3544
pull
Entries 77
Mean 238.6
Std Dev 211.5

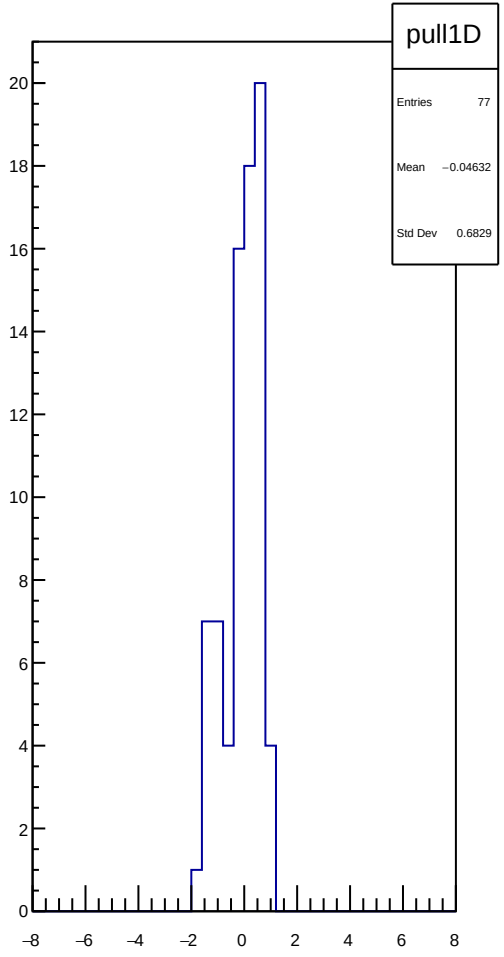

pull1D
Entries 77
Mean −0.03644
Std Dev 0.7251

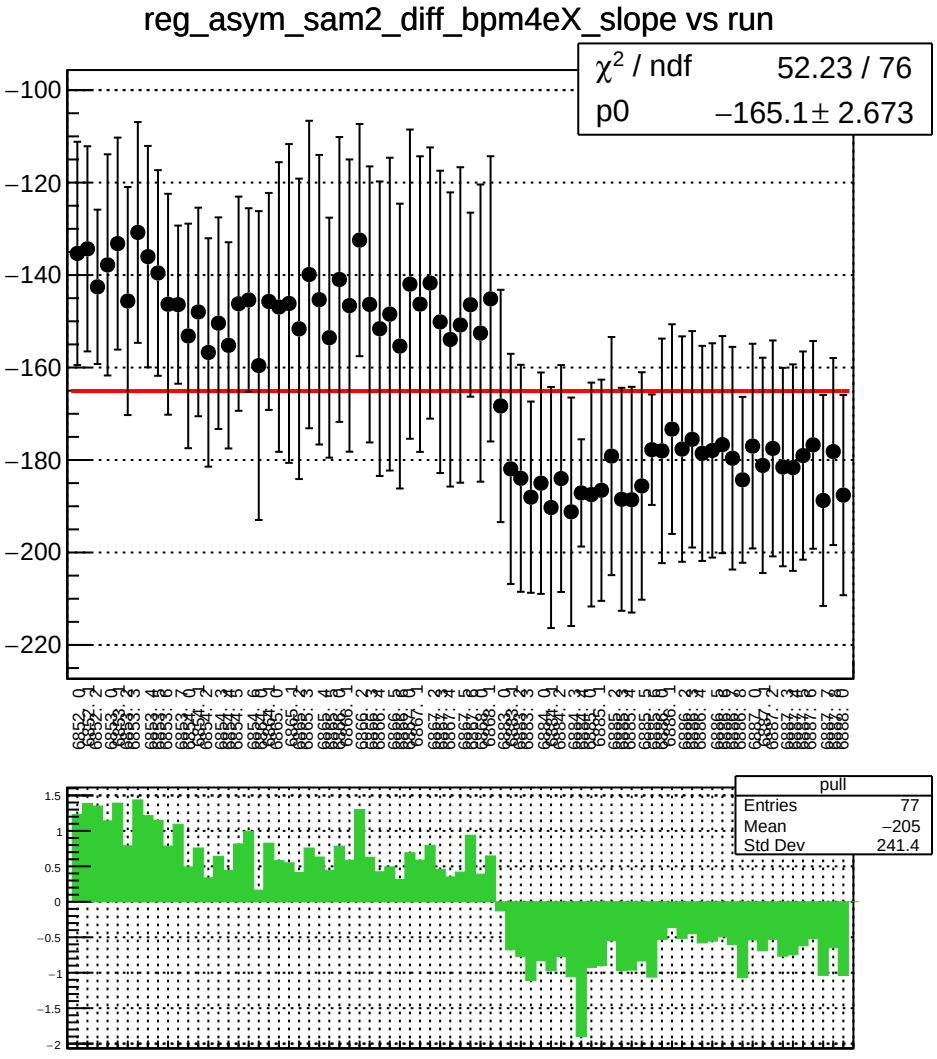

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 25.51 / 76
p0 0.3811± 0.01892
pull
Entries 77
Mean 345.3
Std Dev 308.7

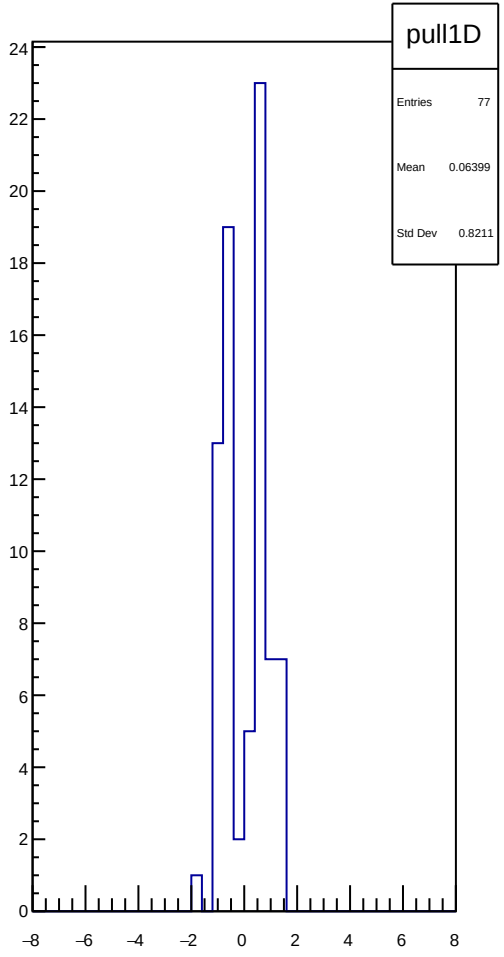

pull1D
Entries 77
Mean 0.03234
Std Dev 0.5746

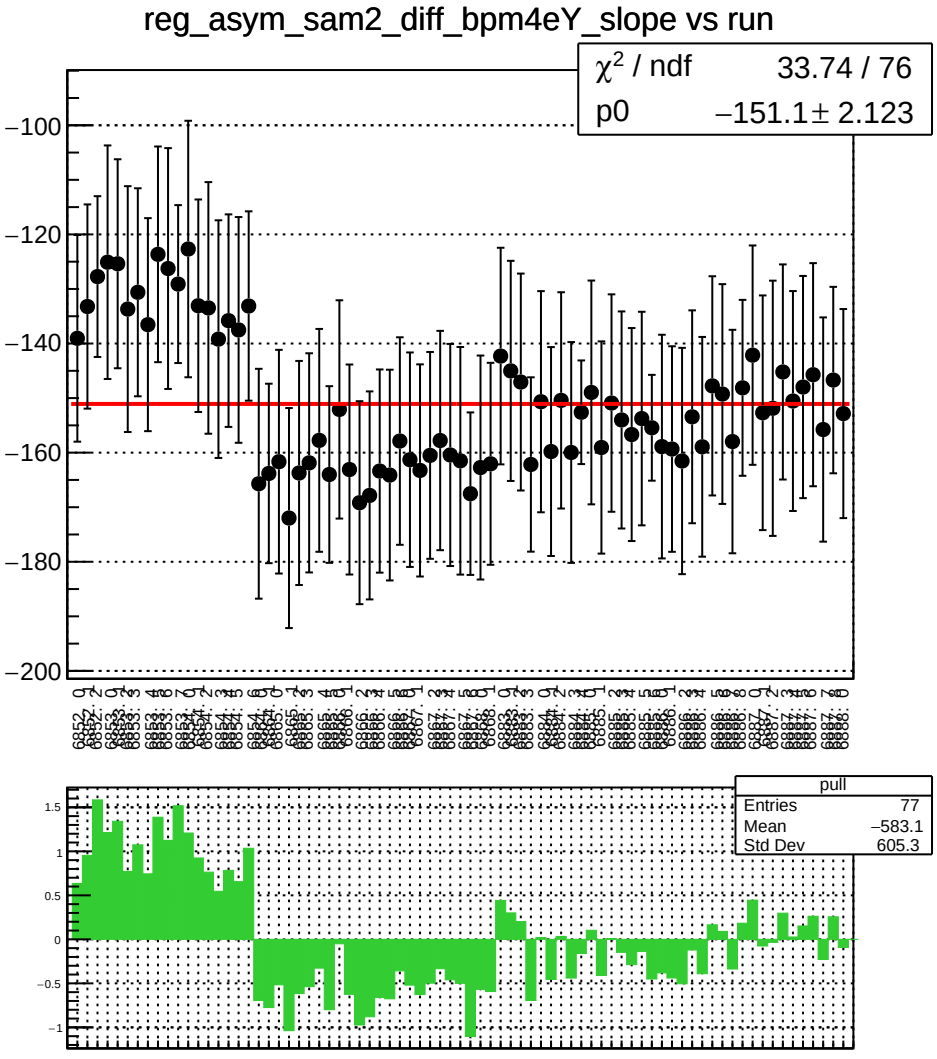

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 60.01 / 76
p0 −36.82 ± 2.792
pull
Entries 77
Mean −160.2
Std Dev 196.8
pull1D
Entries 77
Mean −0.08431
Std Dev 0.8787

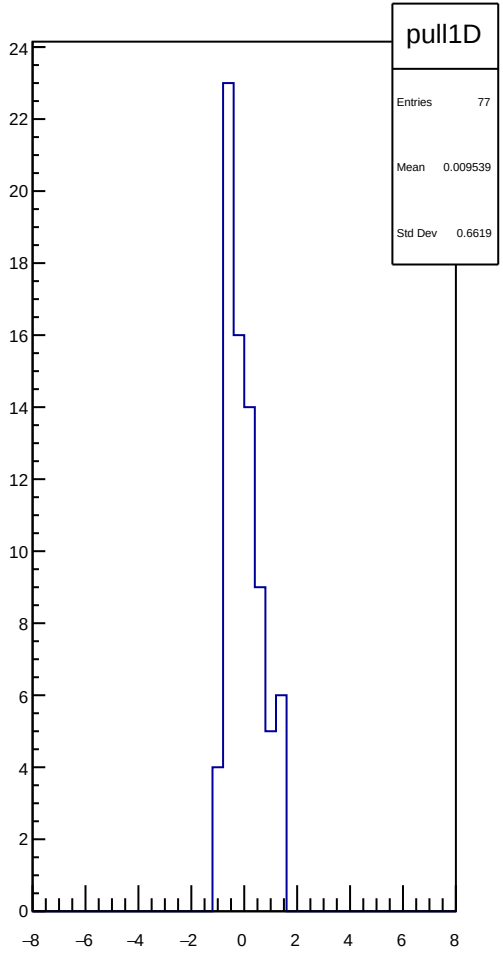

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 36.07 / 76
p0 −25.35 ± 1.645
pull
Entries 77
Mean −89.62
Std Dev 107.3

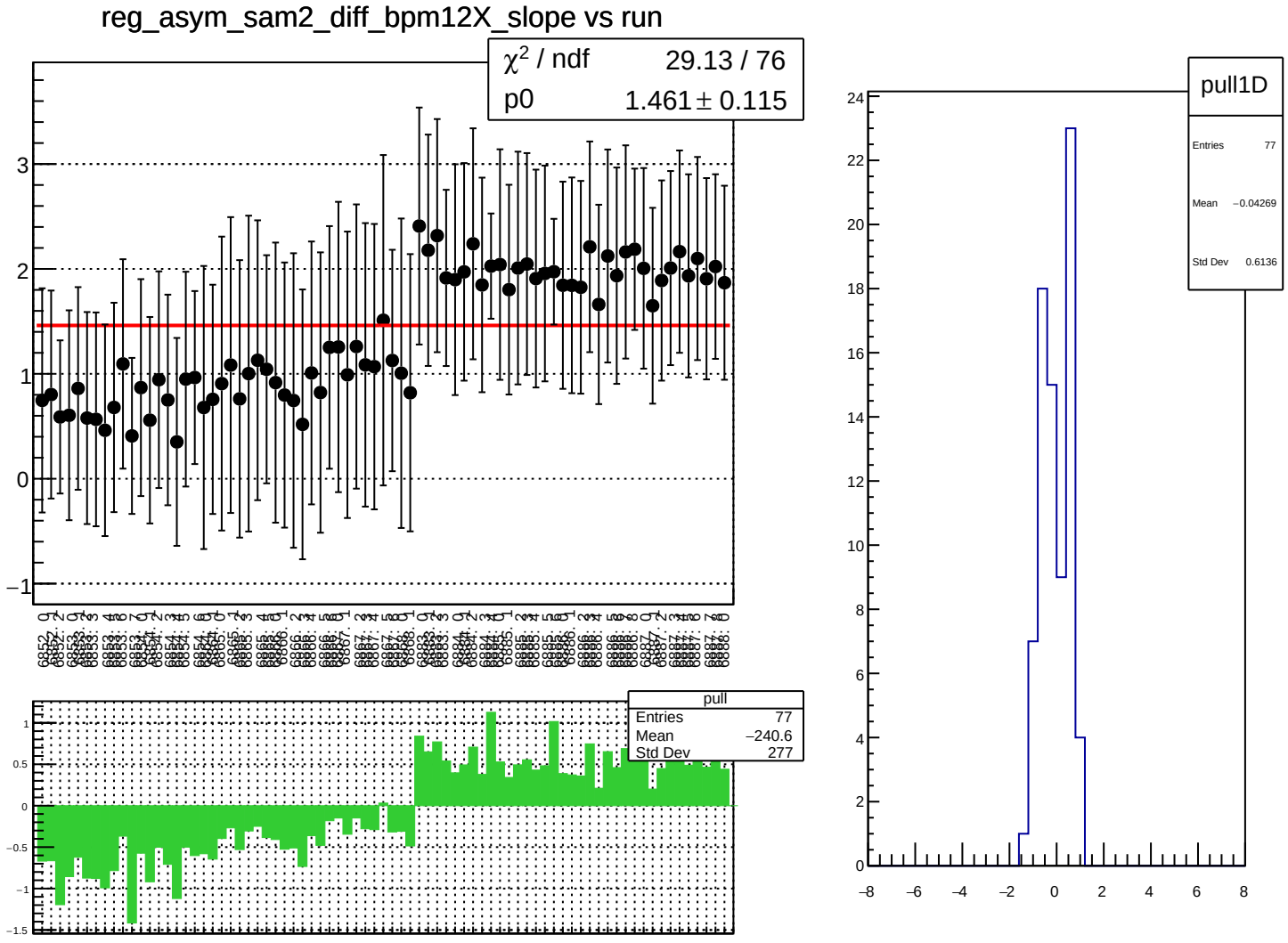

pull1D
Entries 77
Mean −0.04632
Std Dev 0.6829

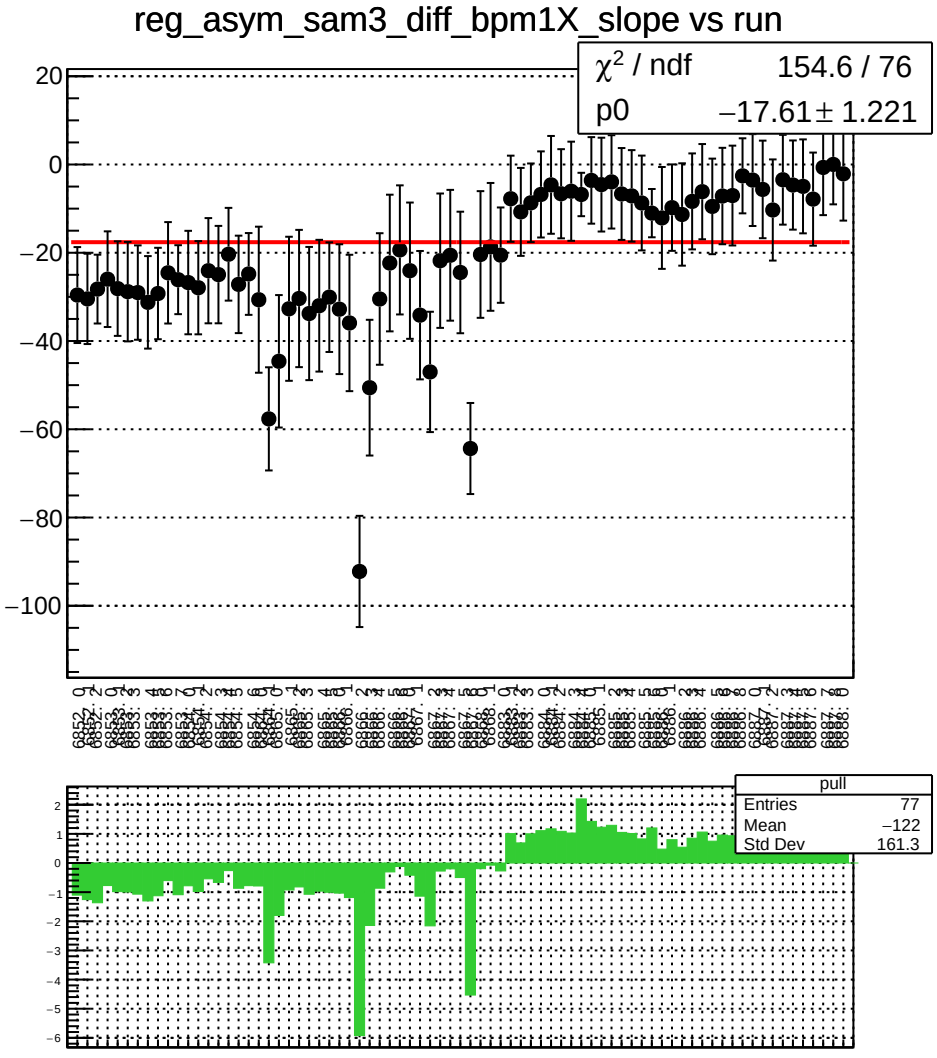

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 52.23 / 76
p0 −165.1 ± 2.673
pull
Entries 77
Mean −205
Std Dev 241.4

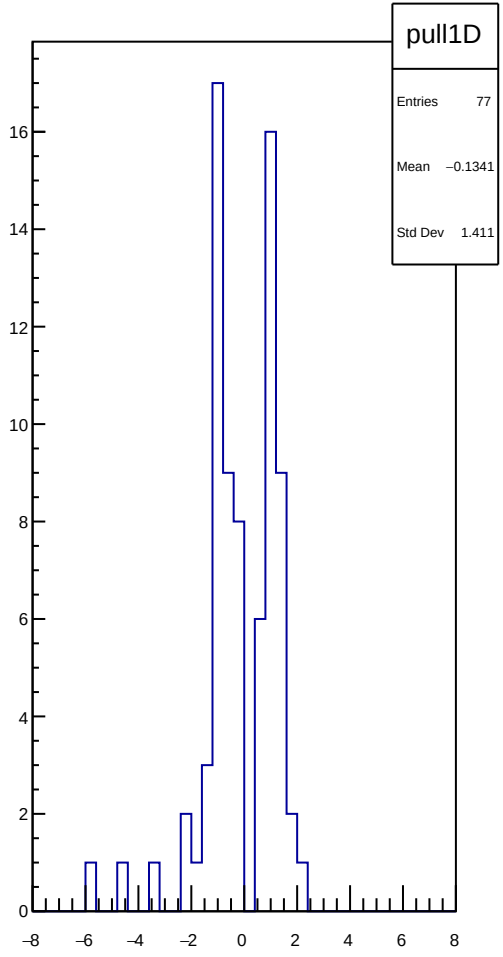

pull1D
Entries 77
Mean 0.06399
Std Dev 0.8211

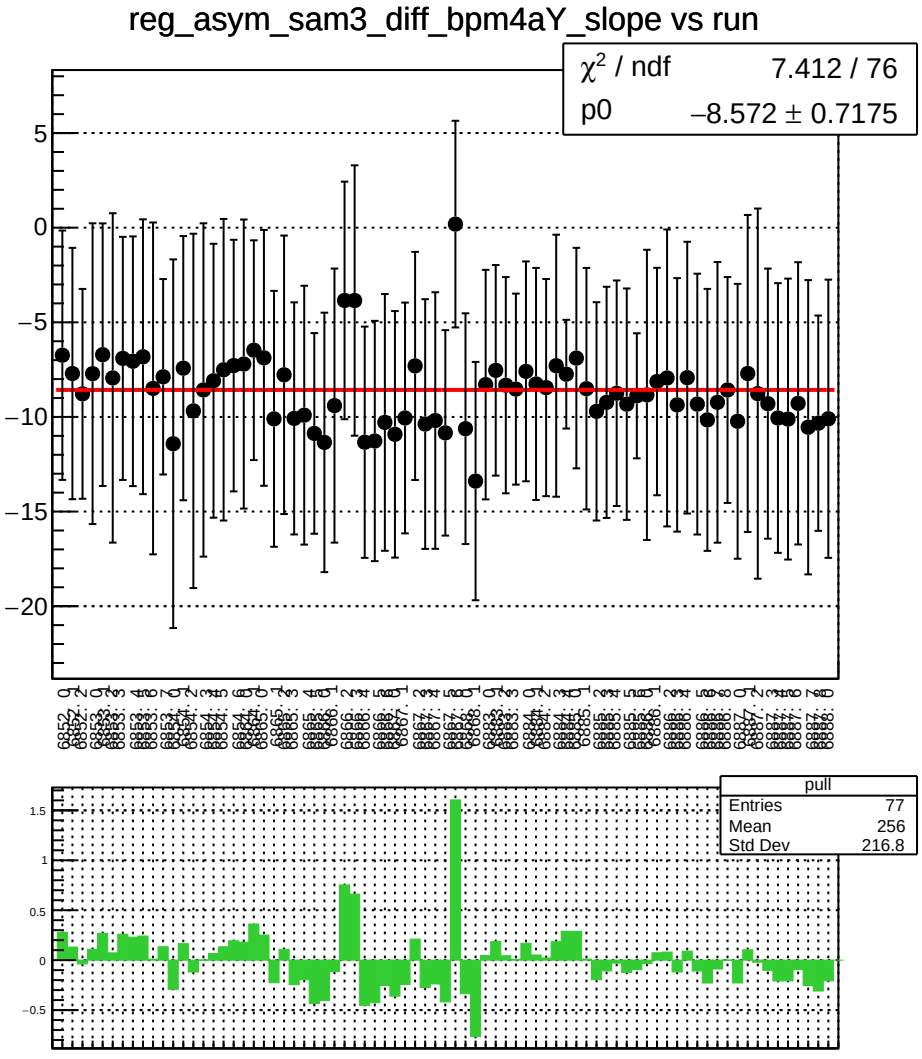

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 33.74 / 76
p0 −151.1 ± 2.123
pull
Entries 77
Mean −583.1
Std Dev 605.3

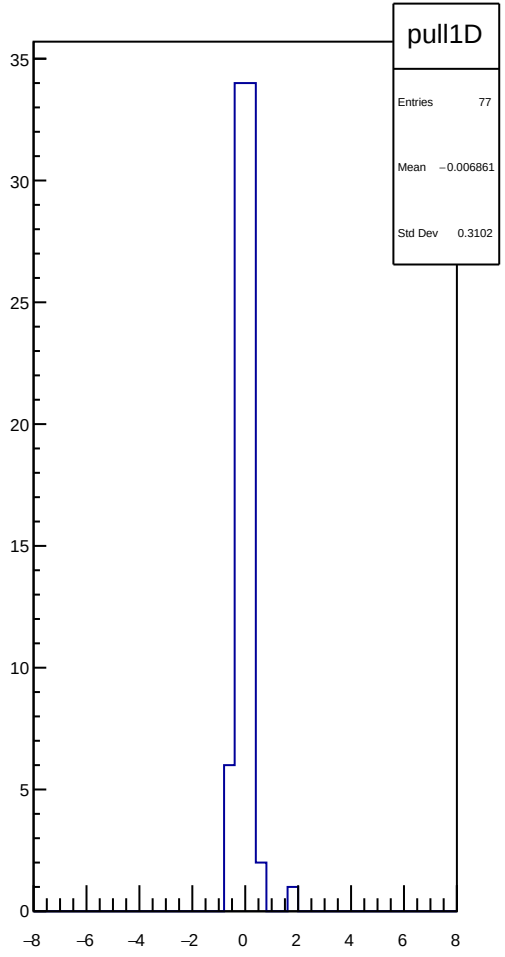

pull1D
Entries 77
Mean 0.009539
Std Dev 0.6619

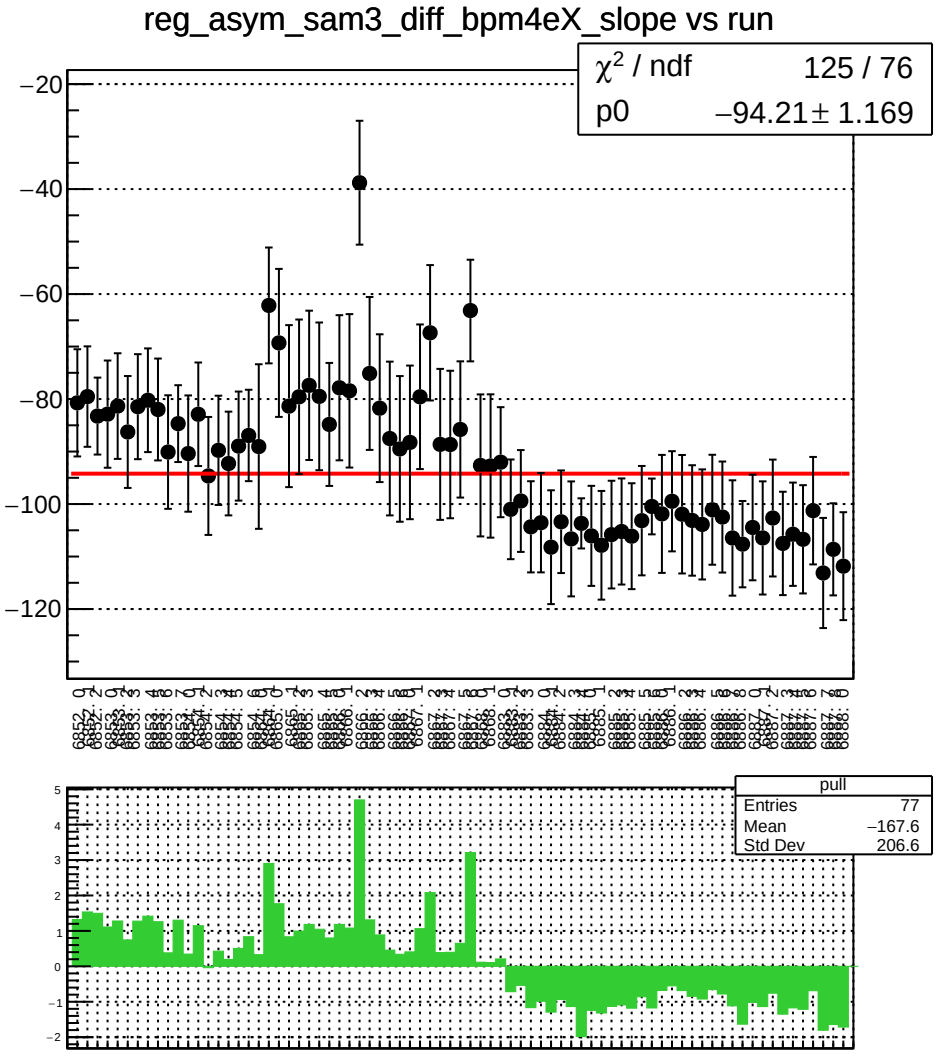

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 29.13 / 76
p0 1.461 ± 0.115
pull
Entries 77
Mean −240.6
Std Dev 277
pull1D
Entries 77
Mean −0.04269
Std Dev 0.6136

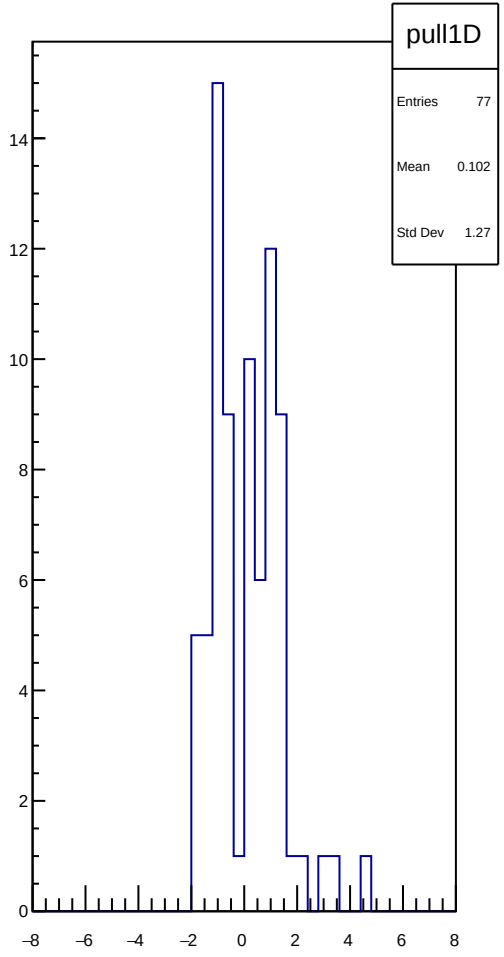

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 154.6 / 76
p0 −17.61 ± 1.221
pull
Entries 77
Mean −122
Std Dev 161.3

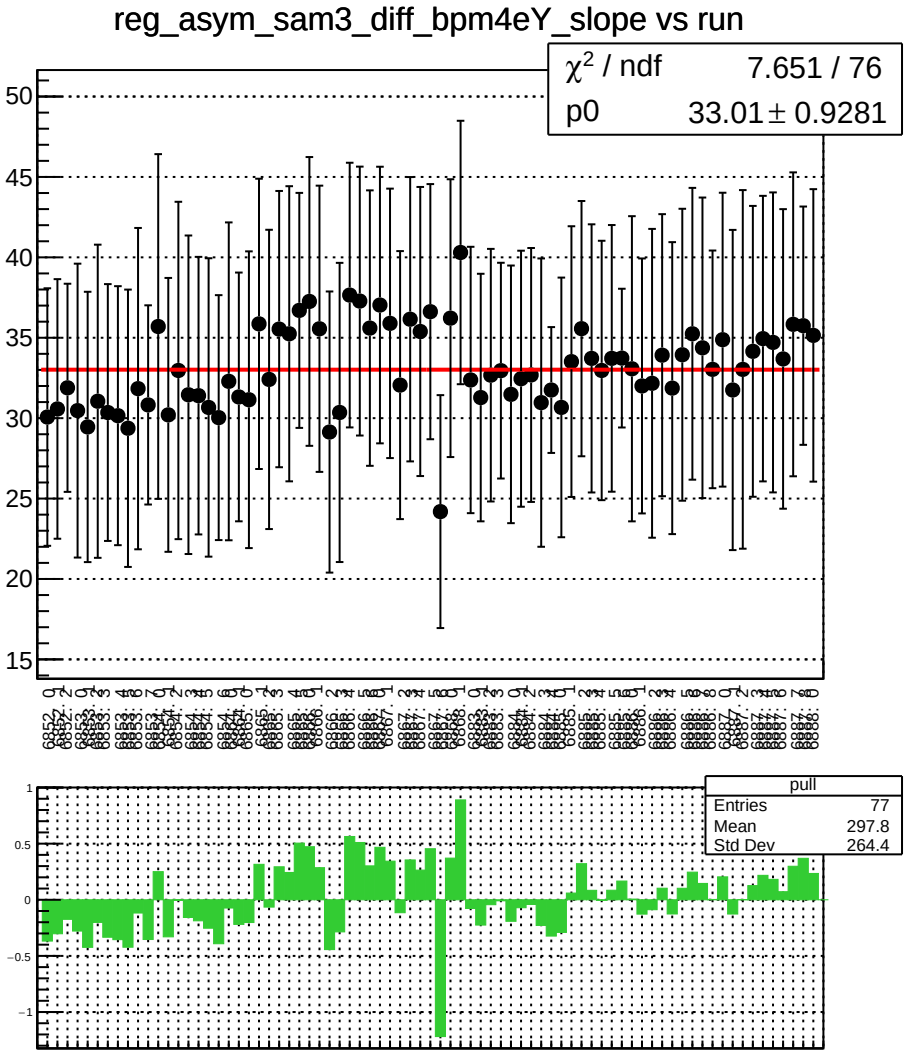

pull1D
Entries 77
Mean −0.1341
Std Dev 1.411

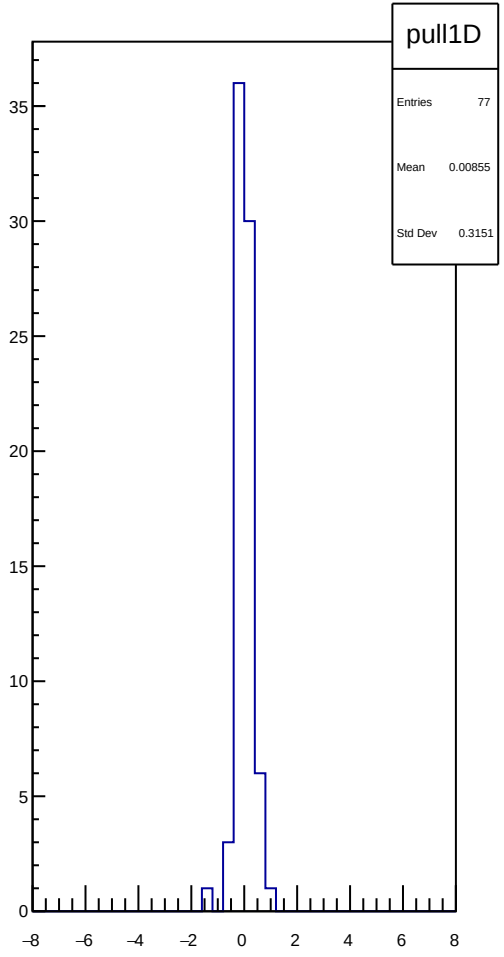

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 7.412 / 76
p0 −8.572 ± 0.7175
pull
Entries 77
Mean 256
Std Dev 216.8

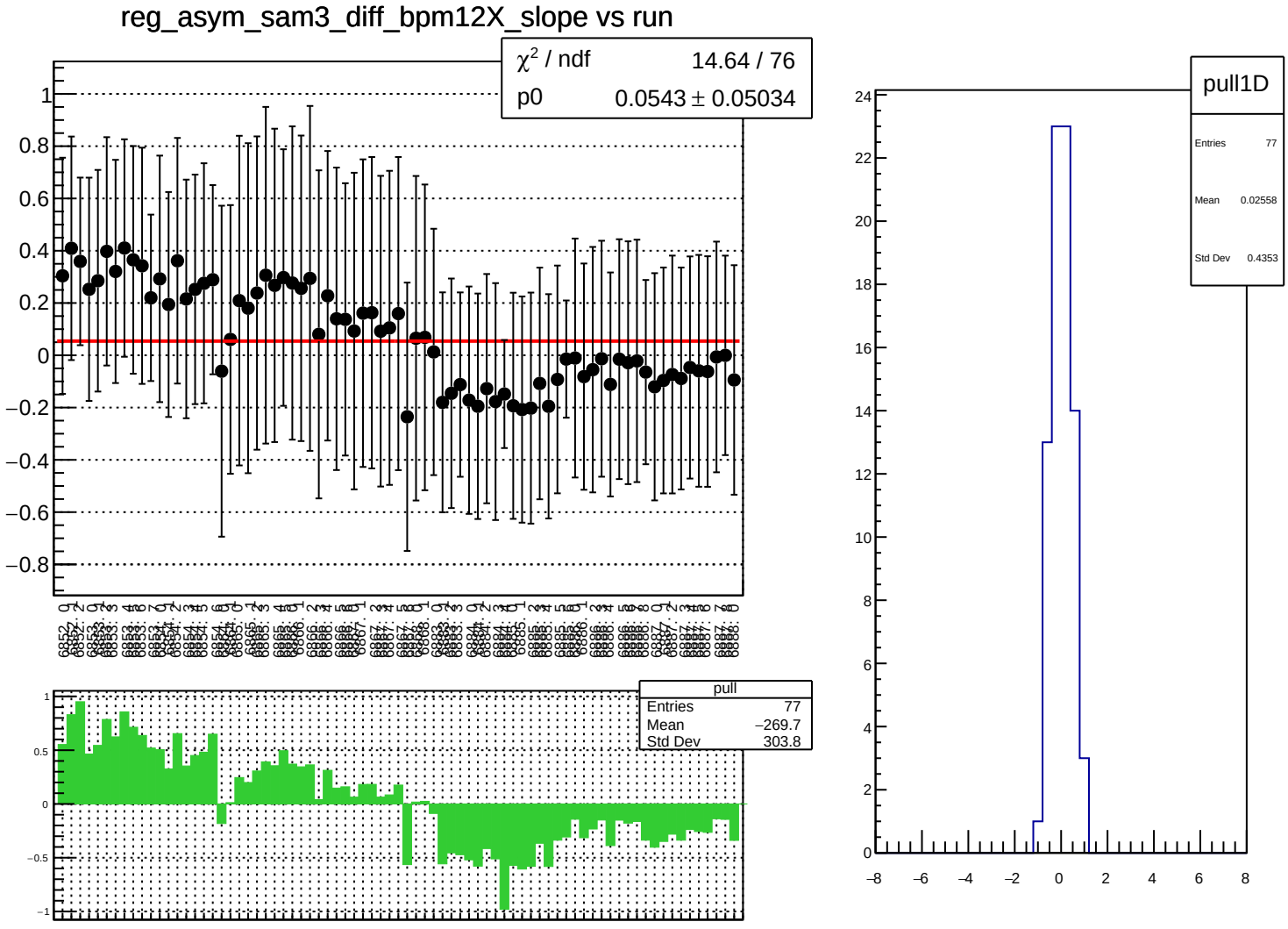

pull1D
Entries 77
Mean −0.006861
Std Dev 0.3102

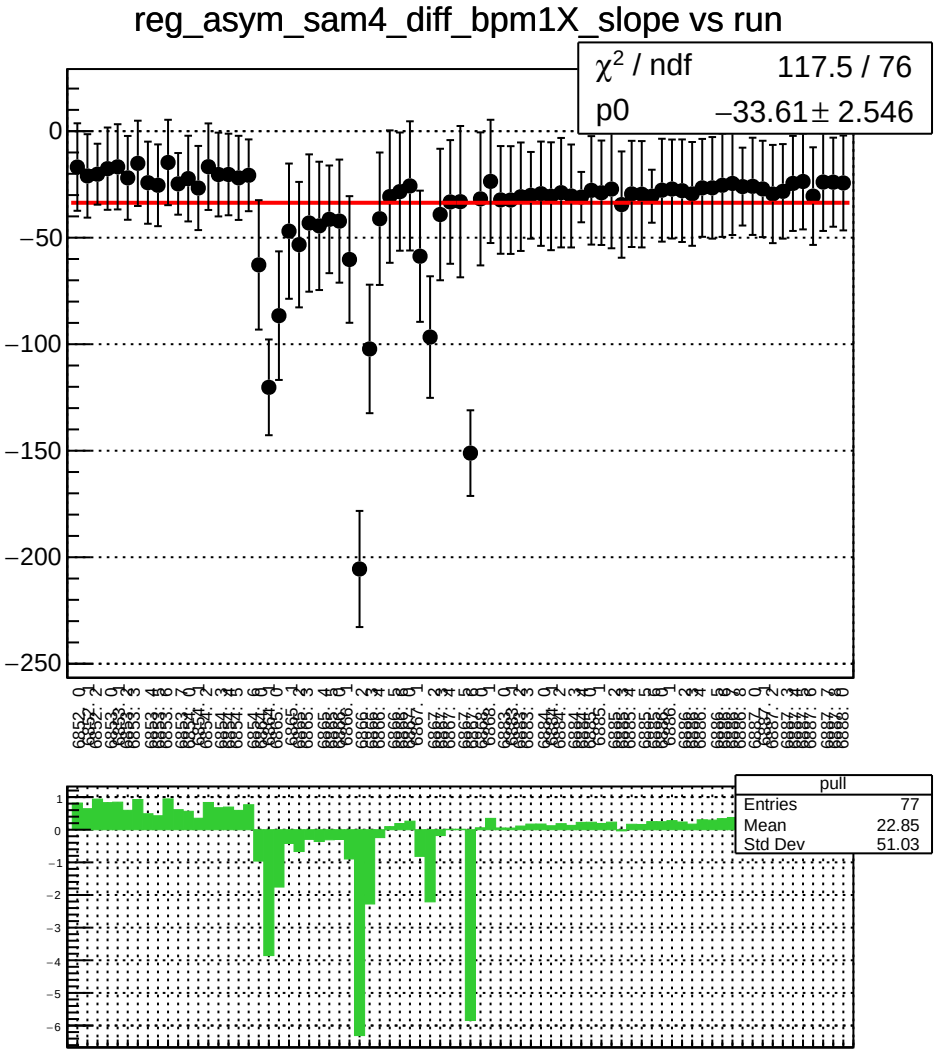

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 125 / 76
p0 −94.21 ± 1.169
pull
Entries 77
Mean −167.6
Std Dev 206.6

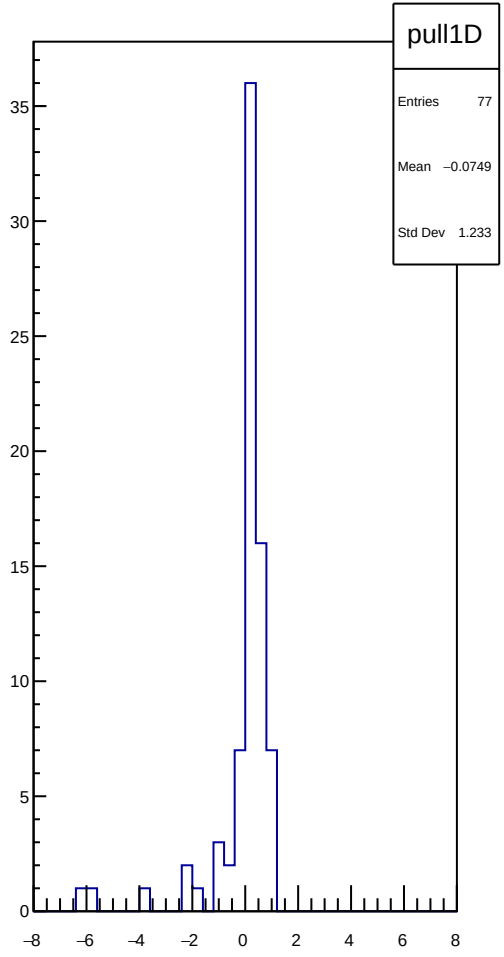

pull1D
Entries 77
Mean 0.102
Std Dev 1.27

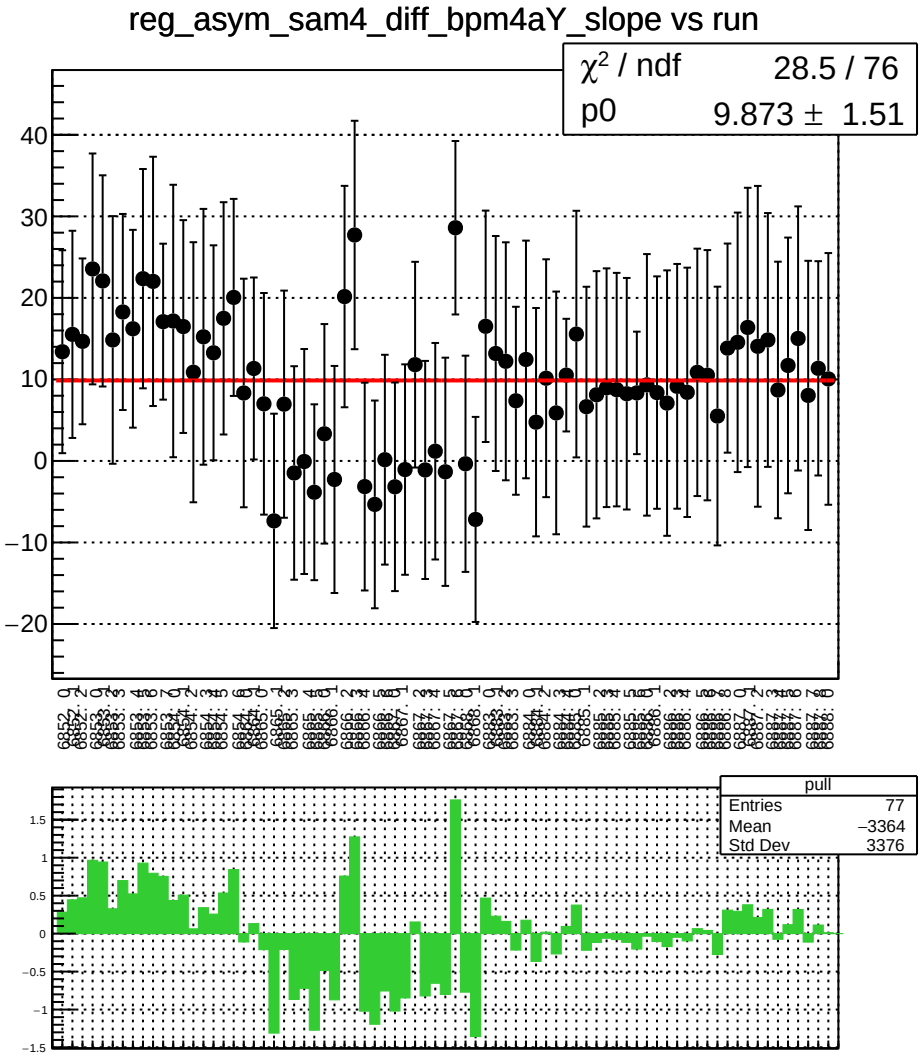

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 7.651 / 76
p0 33.01 ± 0.9281
pull
Entries 77
Mean 297.8
Std Dev 264.4

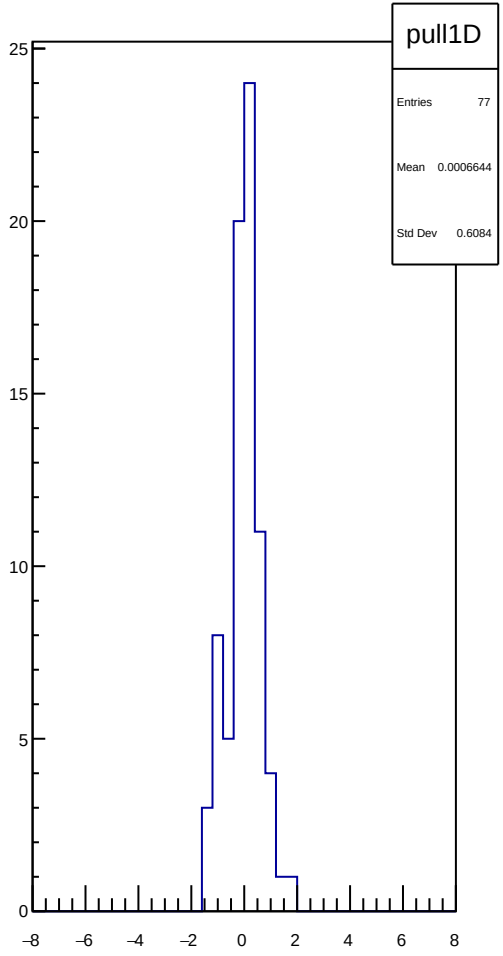

pull1D
Entries 77
Mean 0.00855
Std Dev 0.3151

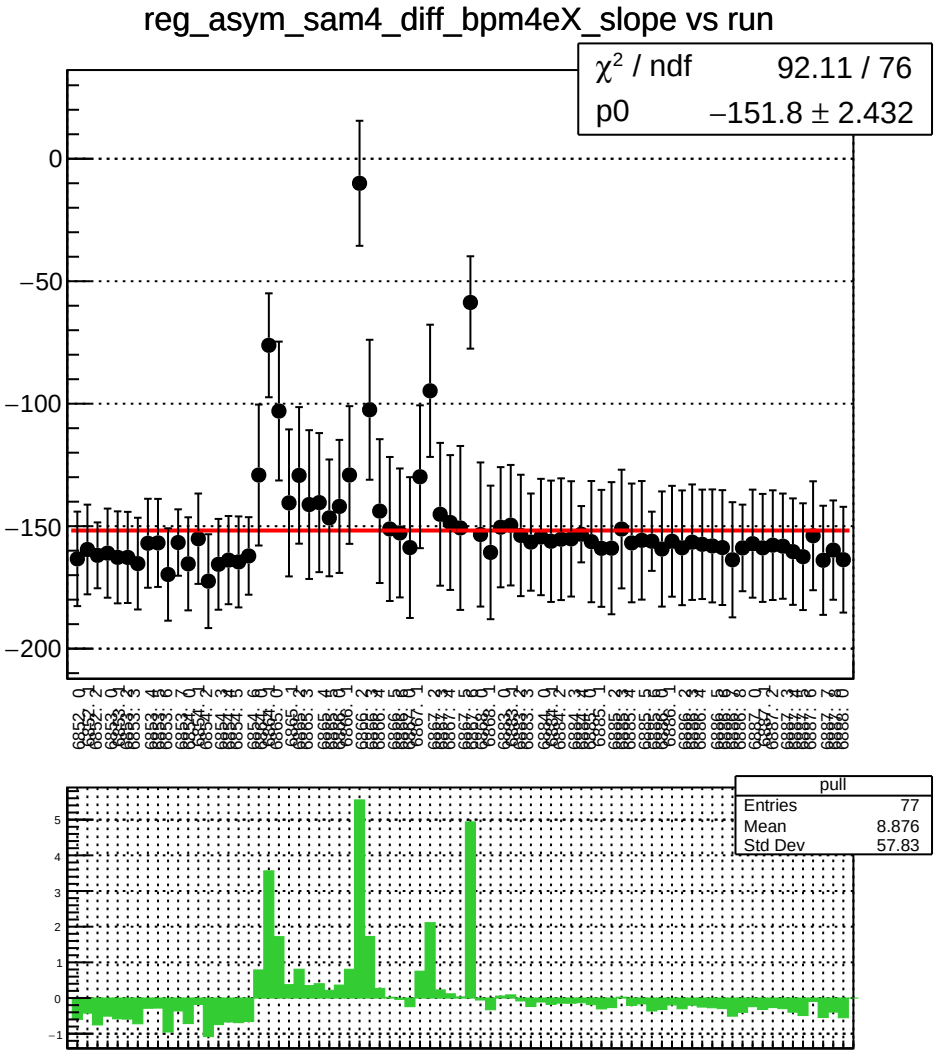

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 14.64 / 76
p0 0.0543 ± 0.05034
pull
Entries 77
Mean −269.7
Std Dev 303.8
pull1D
Entries 77
Mean 0.02558
Std Dev 0.4353

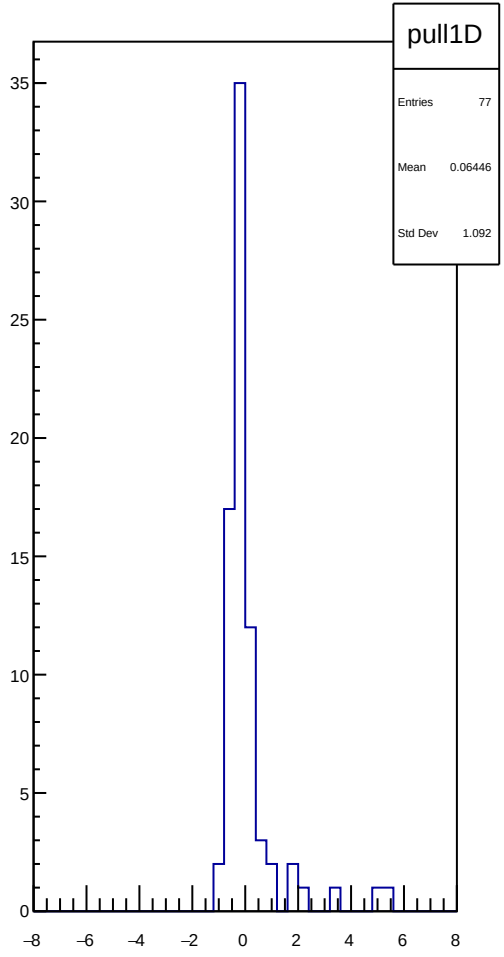

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 117.5 / 76
p0 −33.61 ± 2.546
pull
Entries 77
Mean 22.85
Std Dev 51.03

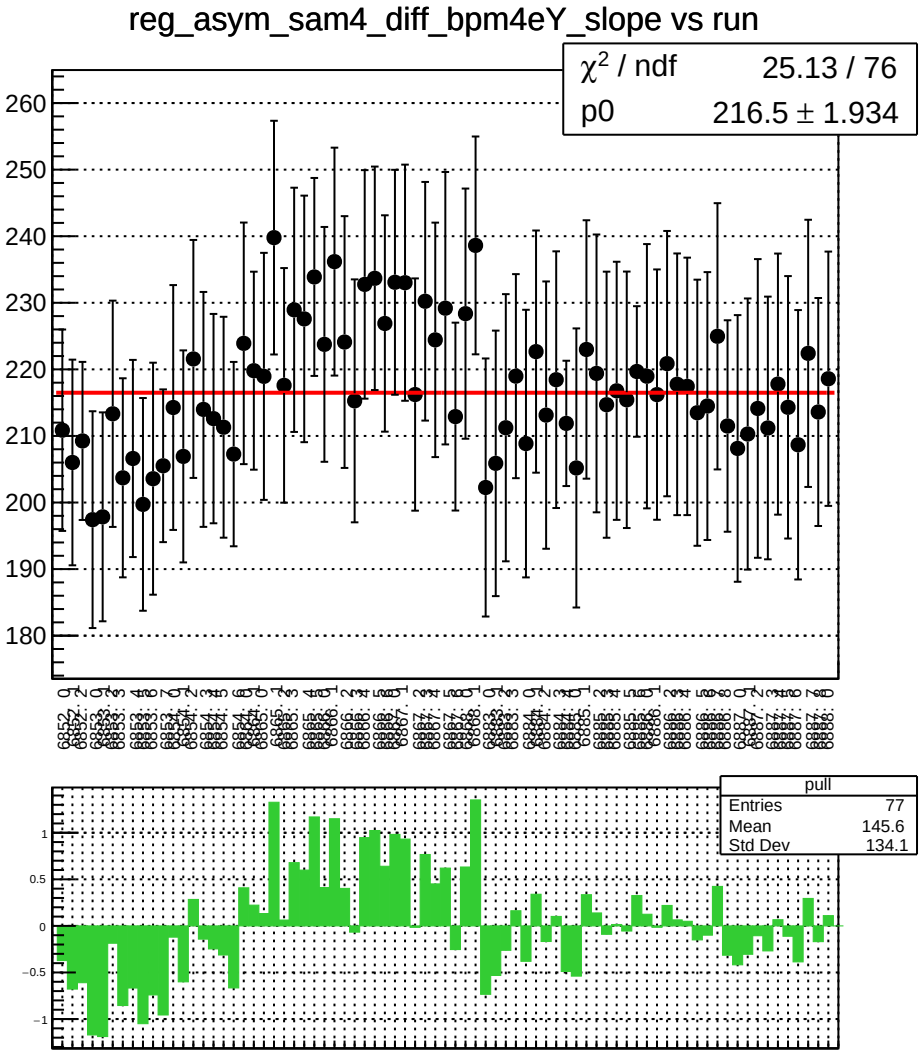

pull1D
Entries 77
Mean −0.0749
Std Dev 1.233

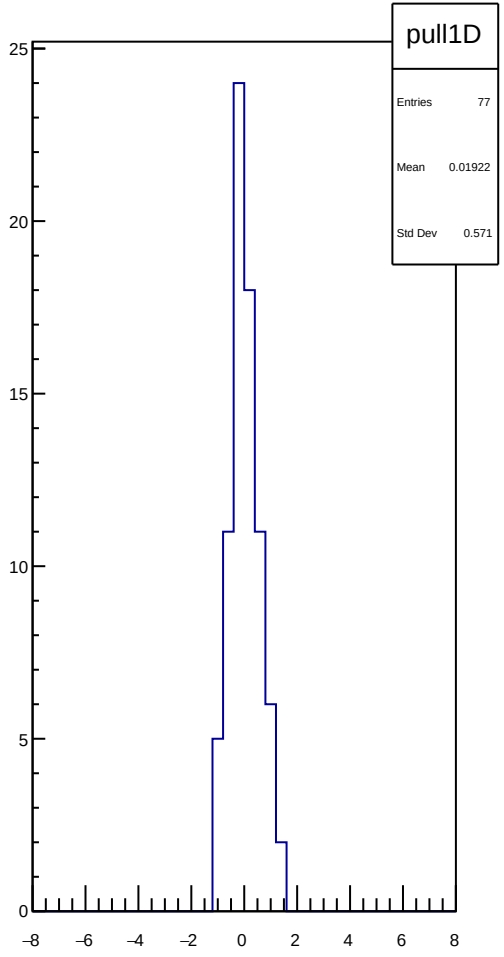

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 28.5 / 76
p0 9.873 ± 1.51
pull
Entries 77
Mean −3364
Std Dev 3376

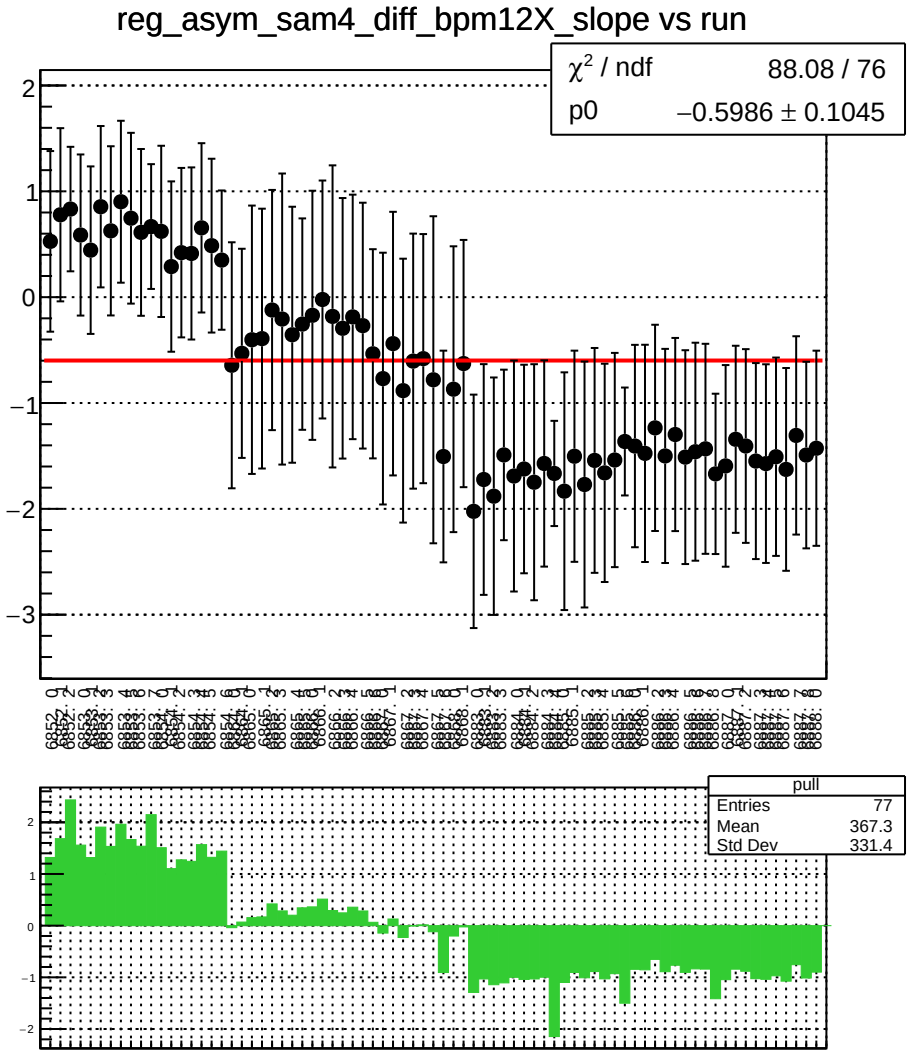

pull1D
Entries 77
Mean 0.0006644
Std Dev 0.6084

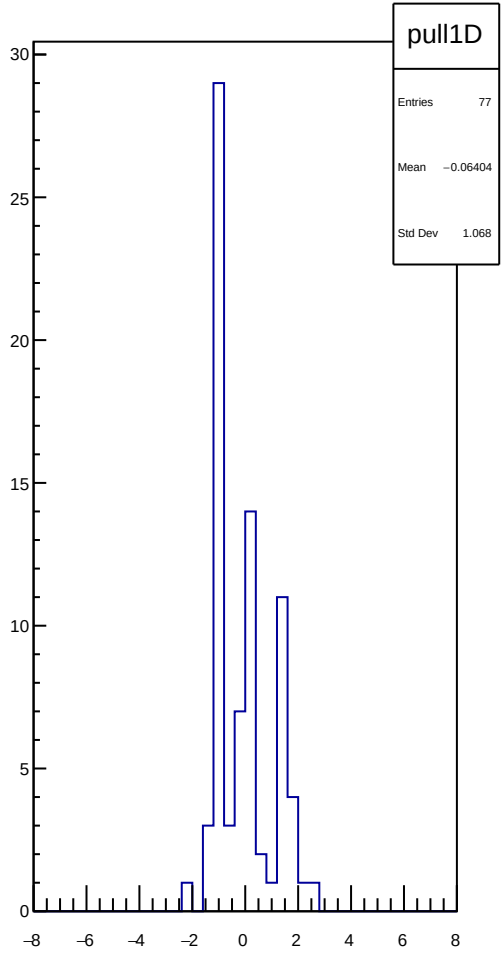

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 92.11 / 76
p0 −151.8 ± 2.432
pull
Entries 77
Mean 8.876
Std Dev 57.83

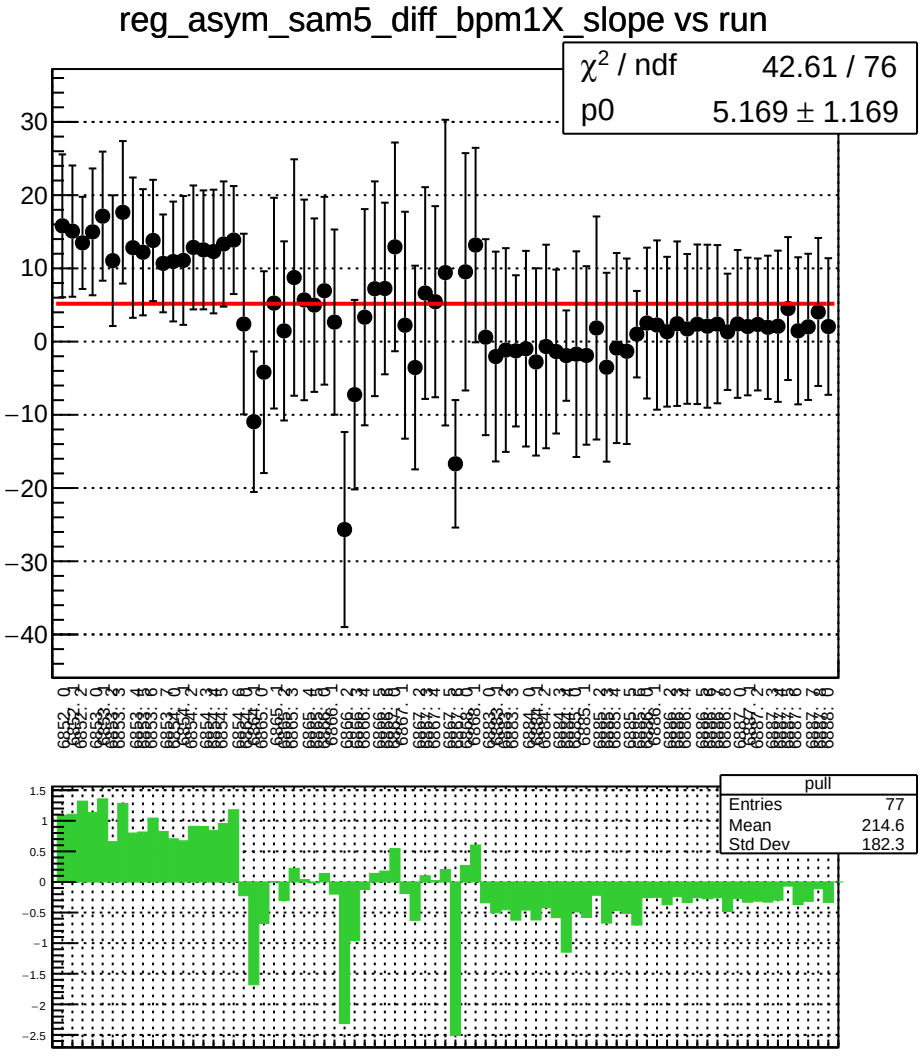

pull1D
Entries 77
Mean 0.06446
Std Dev 1.092

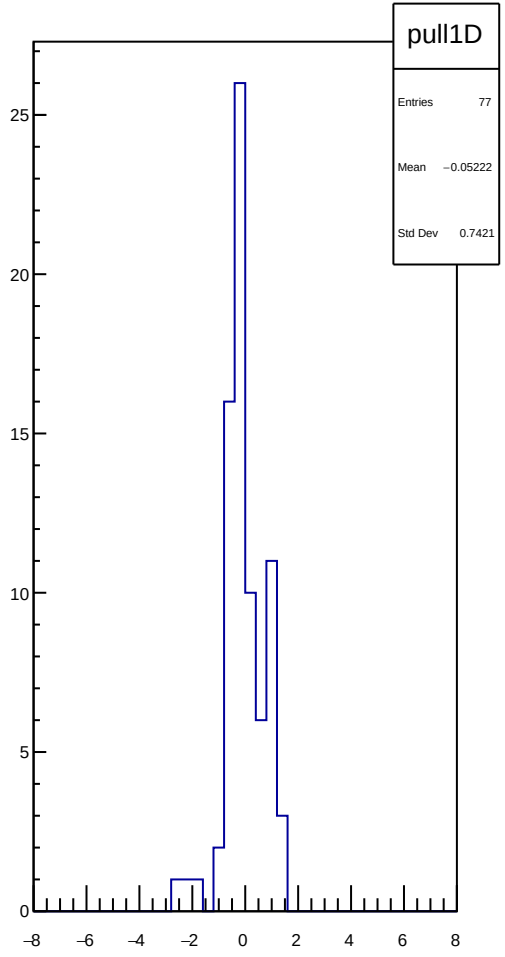

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 25.13 / 76
p0 216.5 ± 1.934
pull
Entries 77
Mean 145.6
Std Dev 134.1

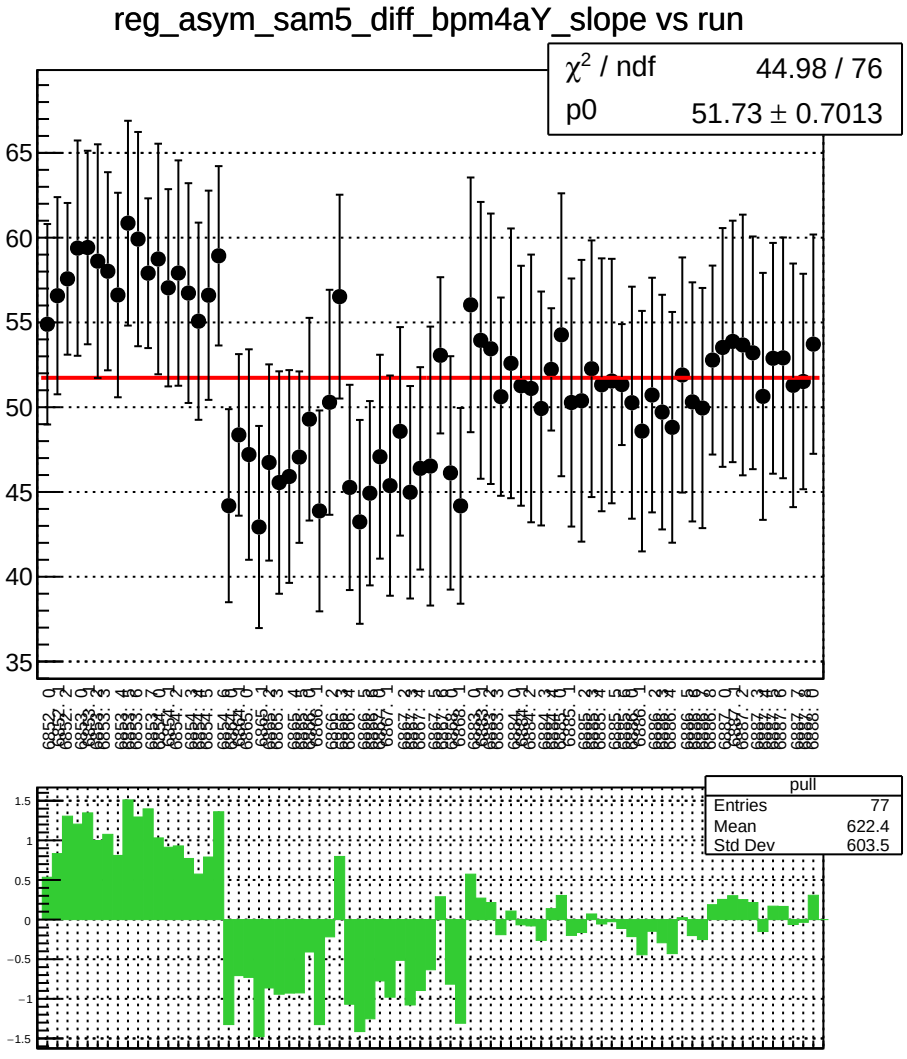

pull1D
Entries 77
Mean 0.01922
Std Dev 0.571

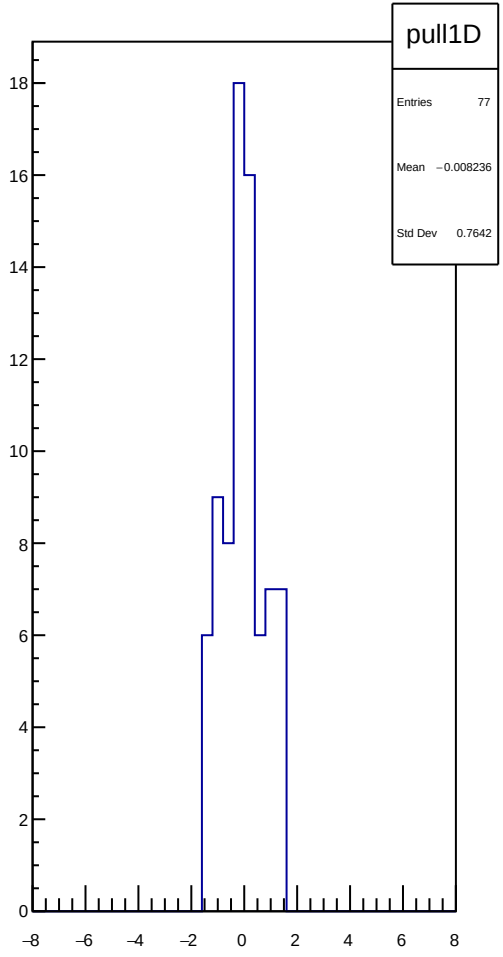

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 88.08 / 76
p0 −0.5986 ± 0.1045
pull
Entries 77
Mean 367.3
Std Dev 331.4

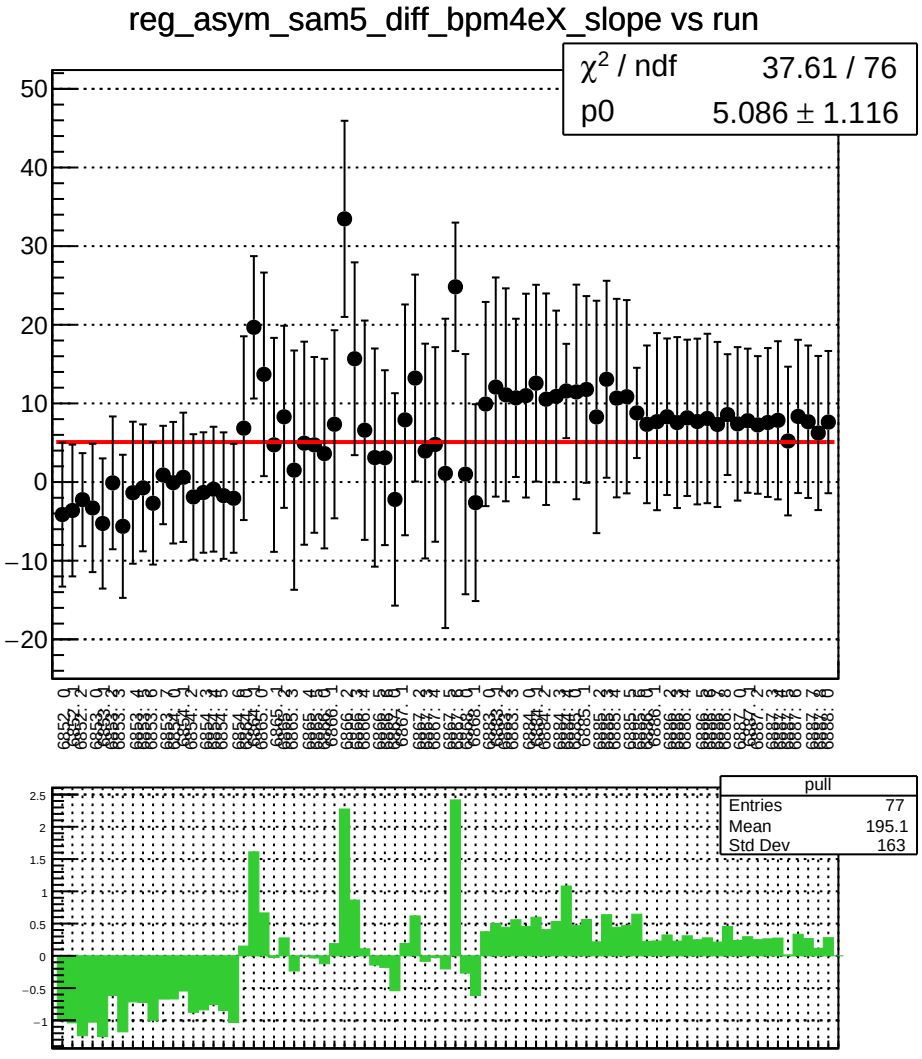

pull1D
Entries 77
Mean −0.06404
Std Dev 1.068

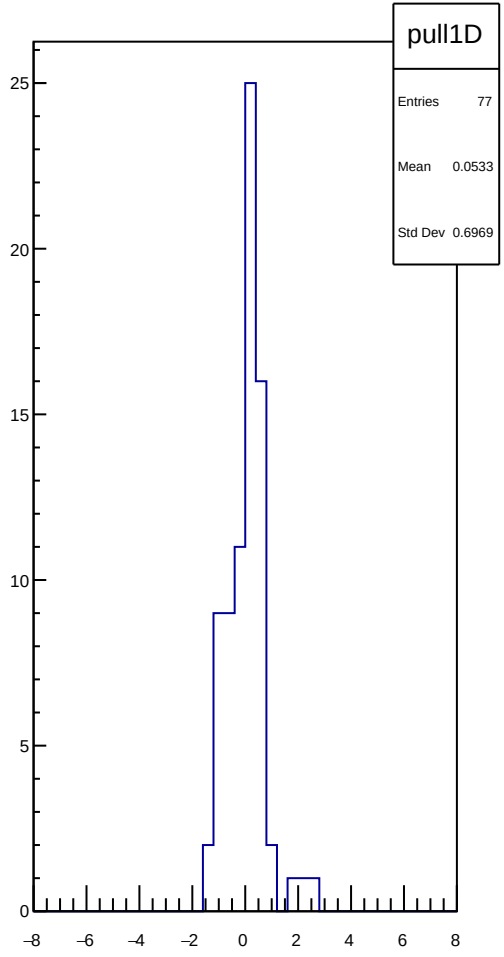

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 42.61 / 76
p0 5.169 ± 1.169
pull
Entries 77
Mean 214.6
Std Dev 182.3

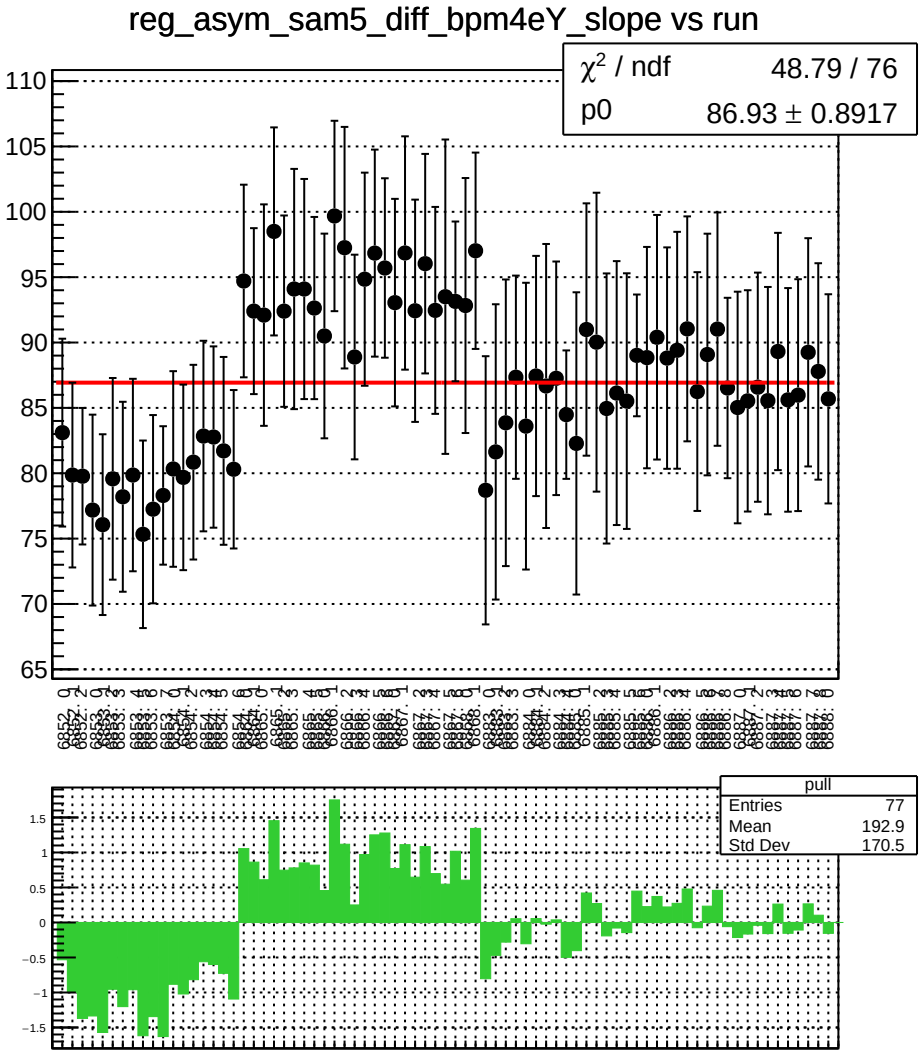

pull1D
Entries 77
Mean −0.05222
Std Dev 0.7421

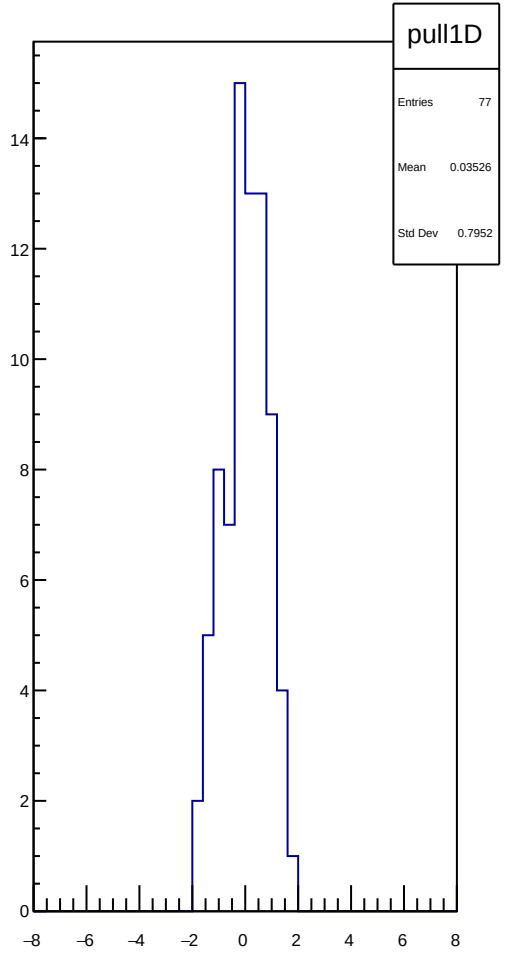

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 44.98 / 76
p0 51.73 ± 0.7013
pull
Entries 77
Mean 622.4
Std Dev 603.5

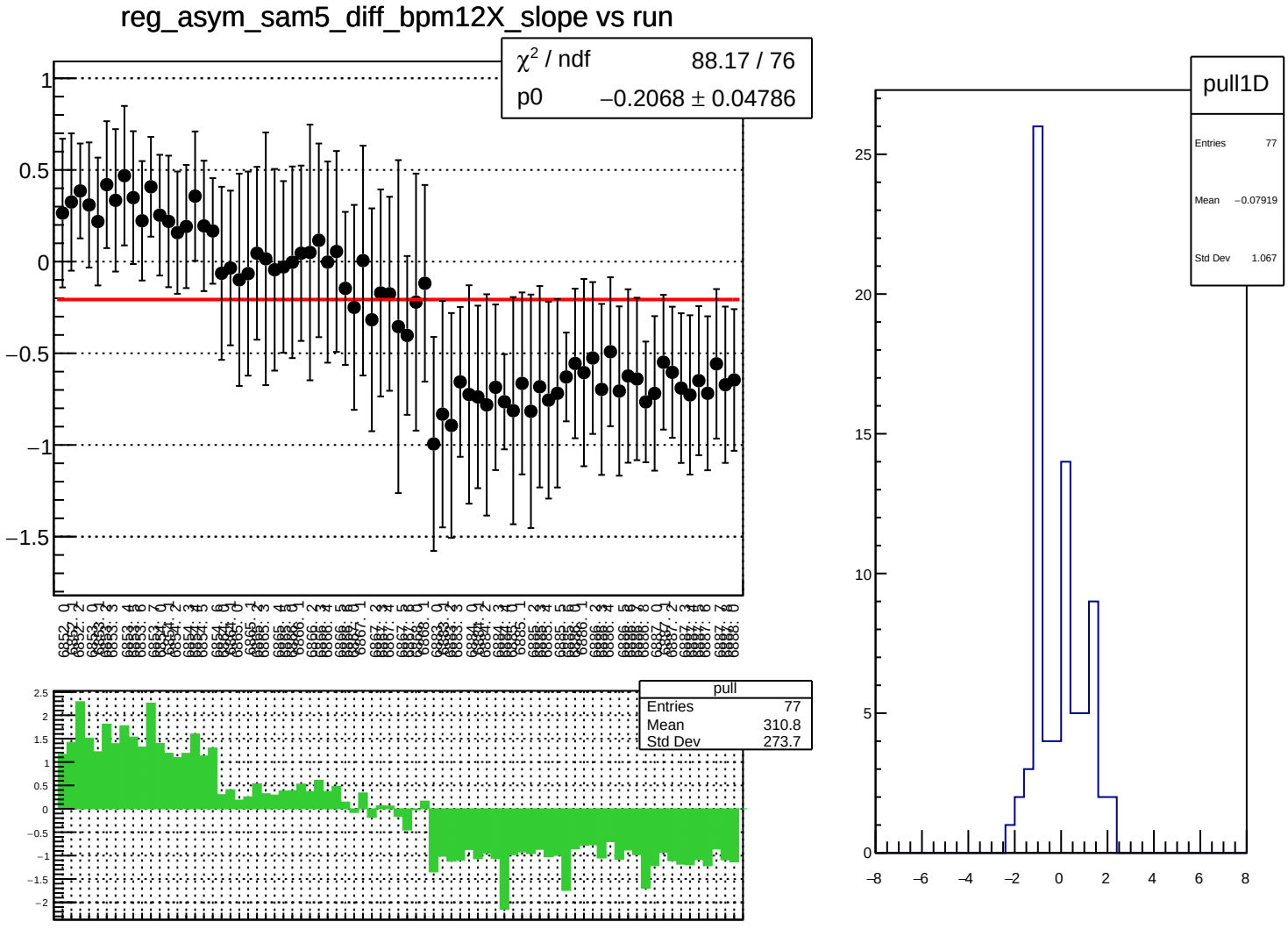

pull1D
Entries 77
Mean −0.008236
Std Dev 0.7642

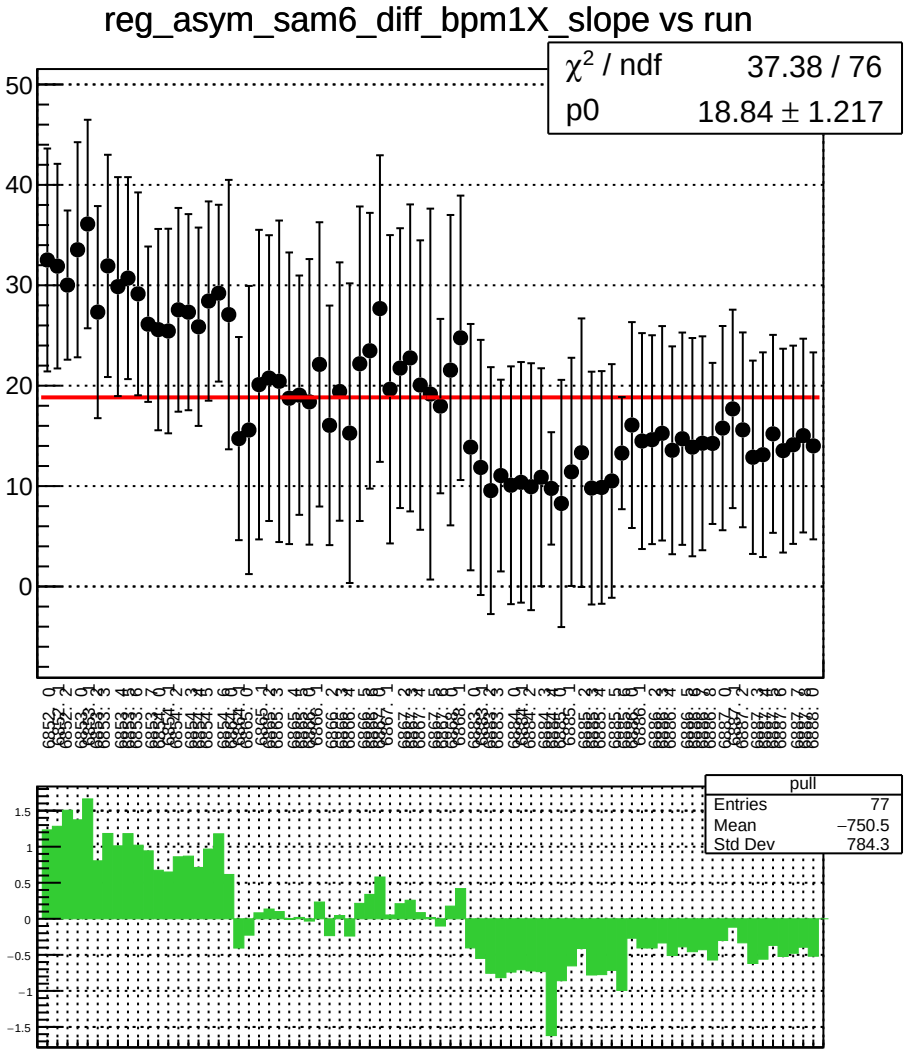

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 37.61 / 76
p0 5.086 ± 1.116
pull
Entries 77
Mean 195.1
Std Dev 163

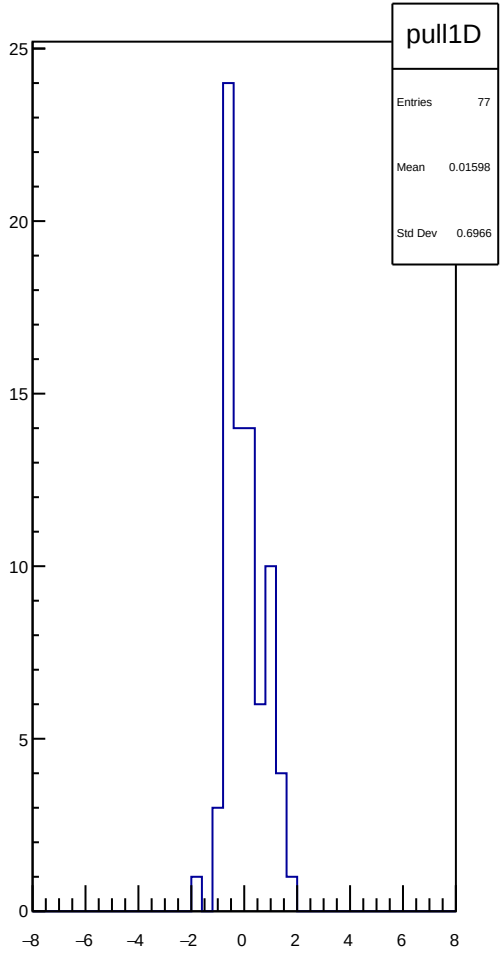

pull1D
Entries 77
Mean 0.0533
Std Dev 0.6969

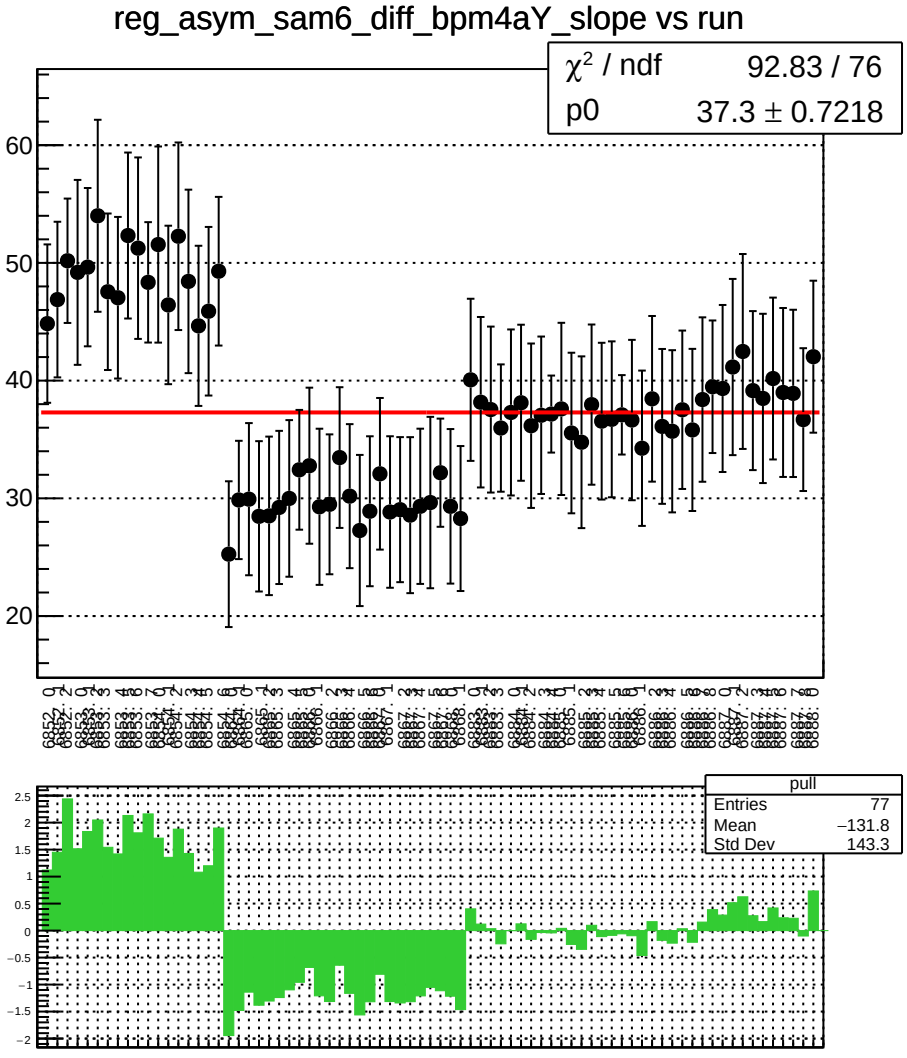

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 48.79 / 76
p0 86.93 ± 0.8917
pull
Entries 77
Mean 192.9
Std Dev 170.5

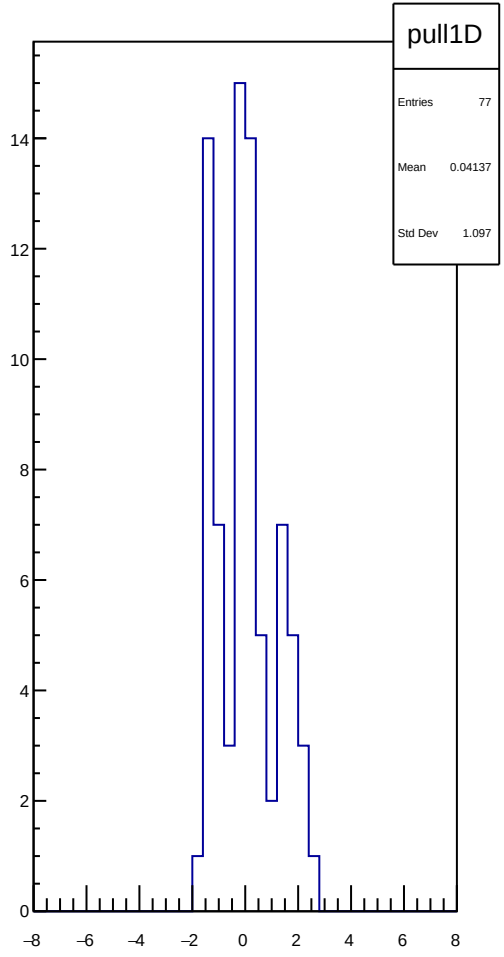

pull1D
Entries 77
Mean 0.03526
Std Dev 0.7952

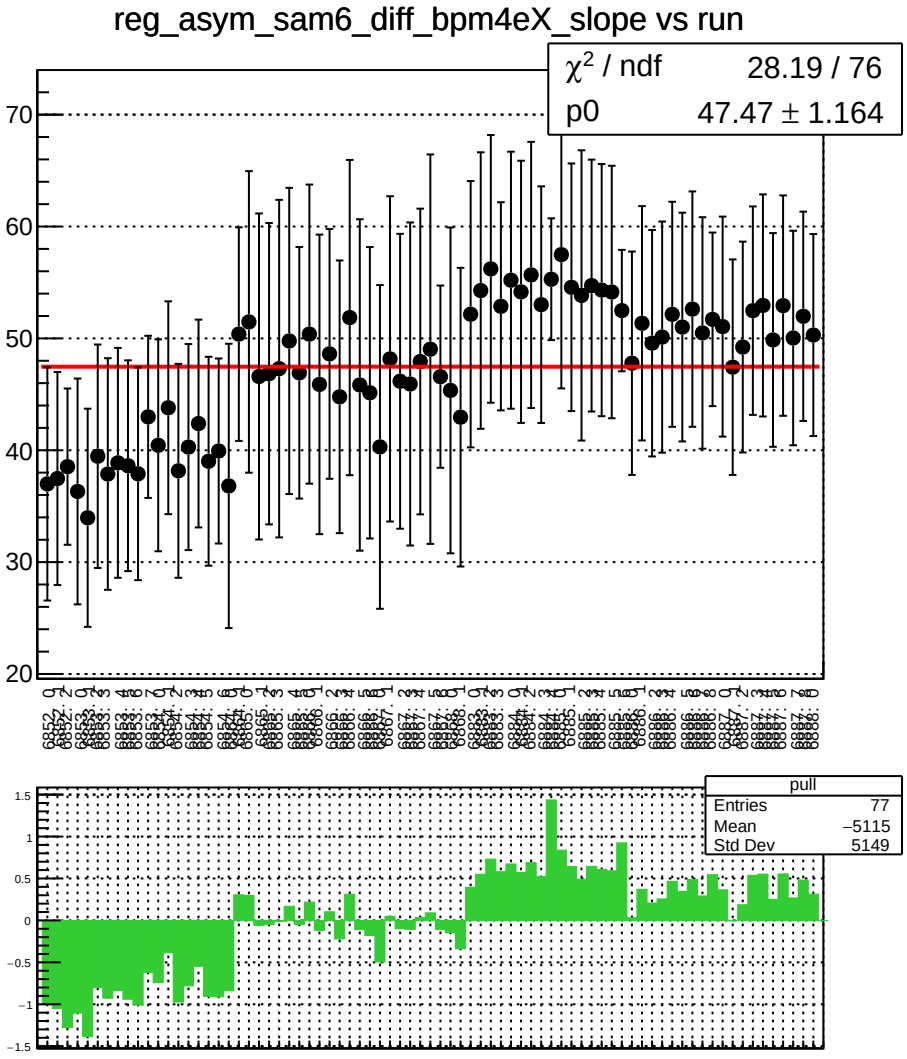

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 88.17 / 76
p0 −0.2068 ± 0.04786
pull
Entries 77
Mean 310.8
Std Dev 273.7
pull1D
Entries 77
Mean −0.07919
Std Dev 1.067

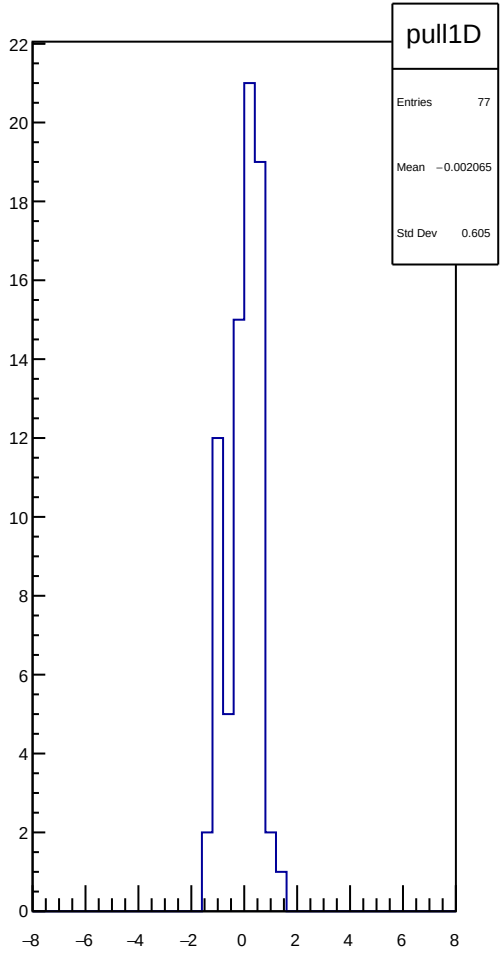

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 37.38 / 76
p0 18.84 ± 1.217
pull
Entries 77
Mean −750.5
Std Dev 784.3

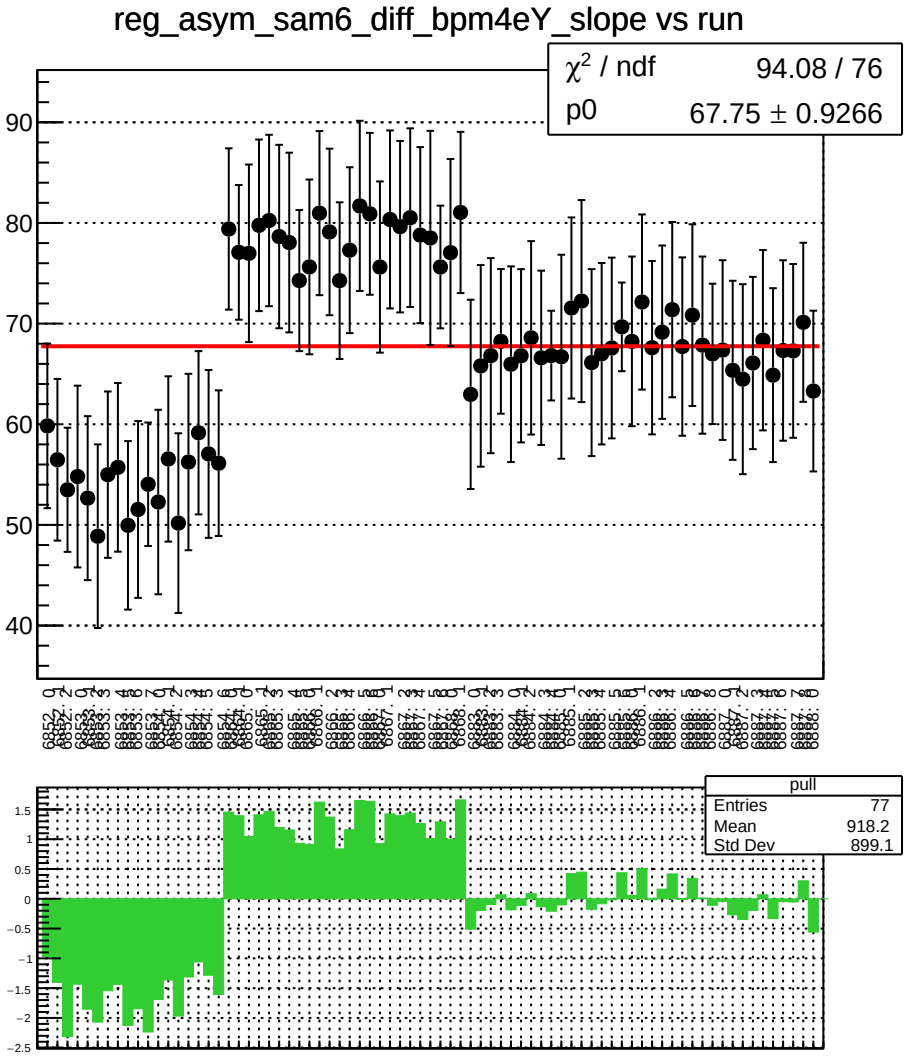

pull1D
Entries 77
Mean 0.01598
Std Dev 0.6966

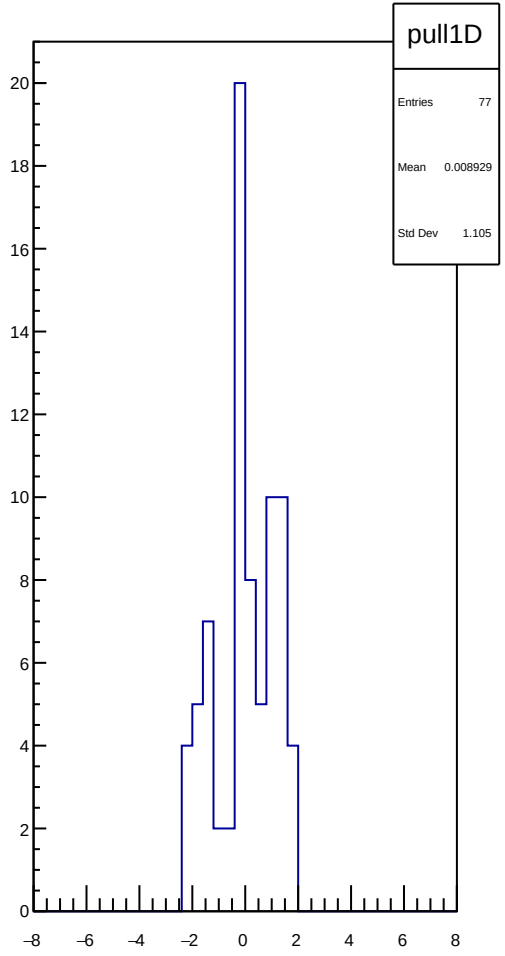

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 92.83 / 76
p0 37.3 ± 0.7218
pull
Entries 77
Mean −131.8
Std Dev 143.3

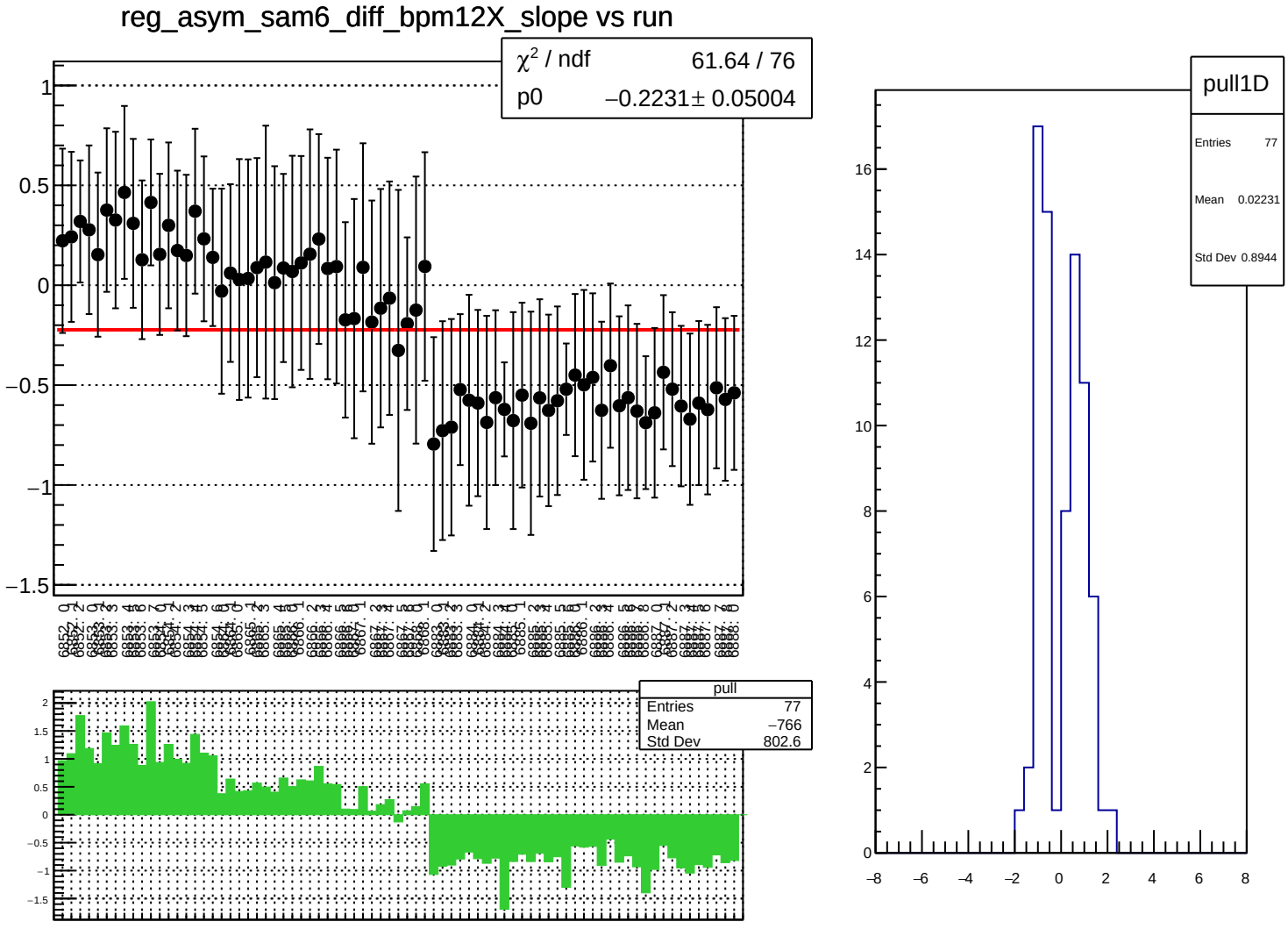

pull1D
Entries 77
Mean 0.04137
Std Dev 1.097

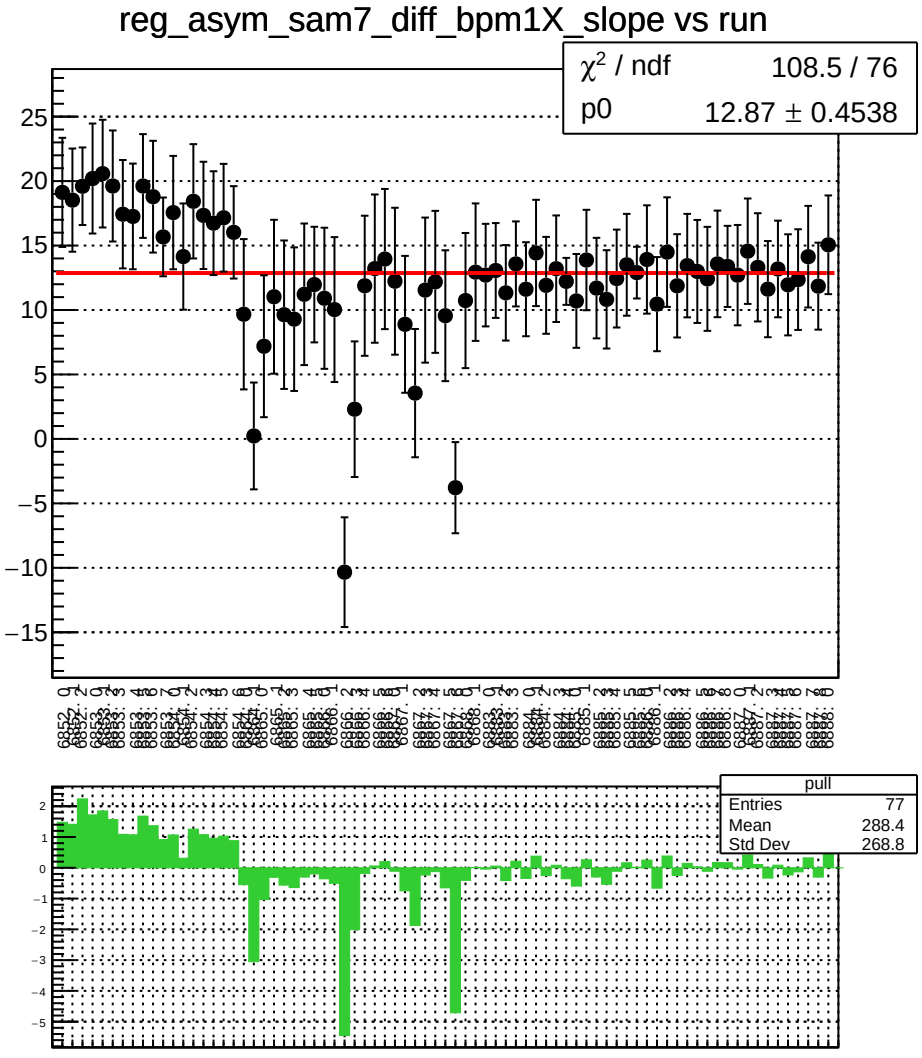

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 28.19 / 76
p0 47.47 ± 1.164
pull
Entries 77
Mean −5115
Std Dev 5149

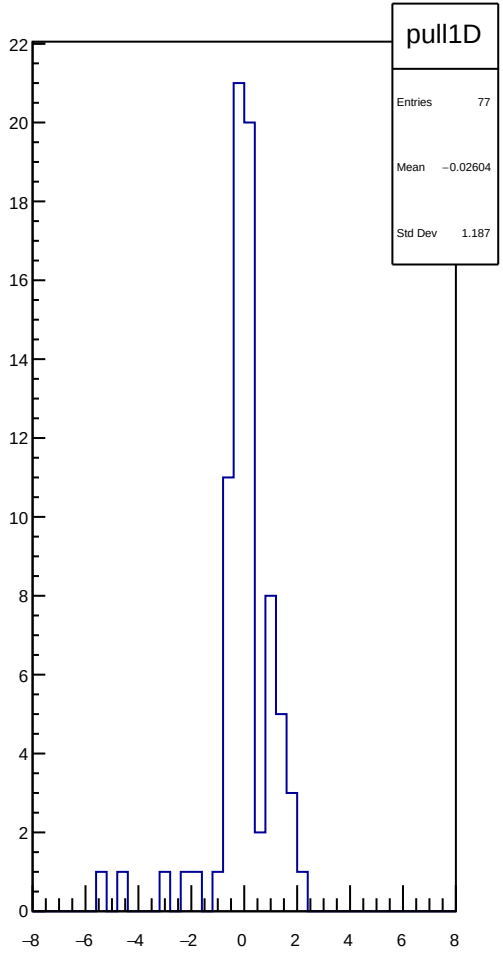

pull1D
Entries 77
Mean −0.002065
Std Dev 0.605

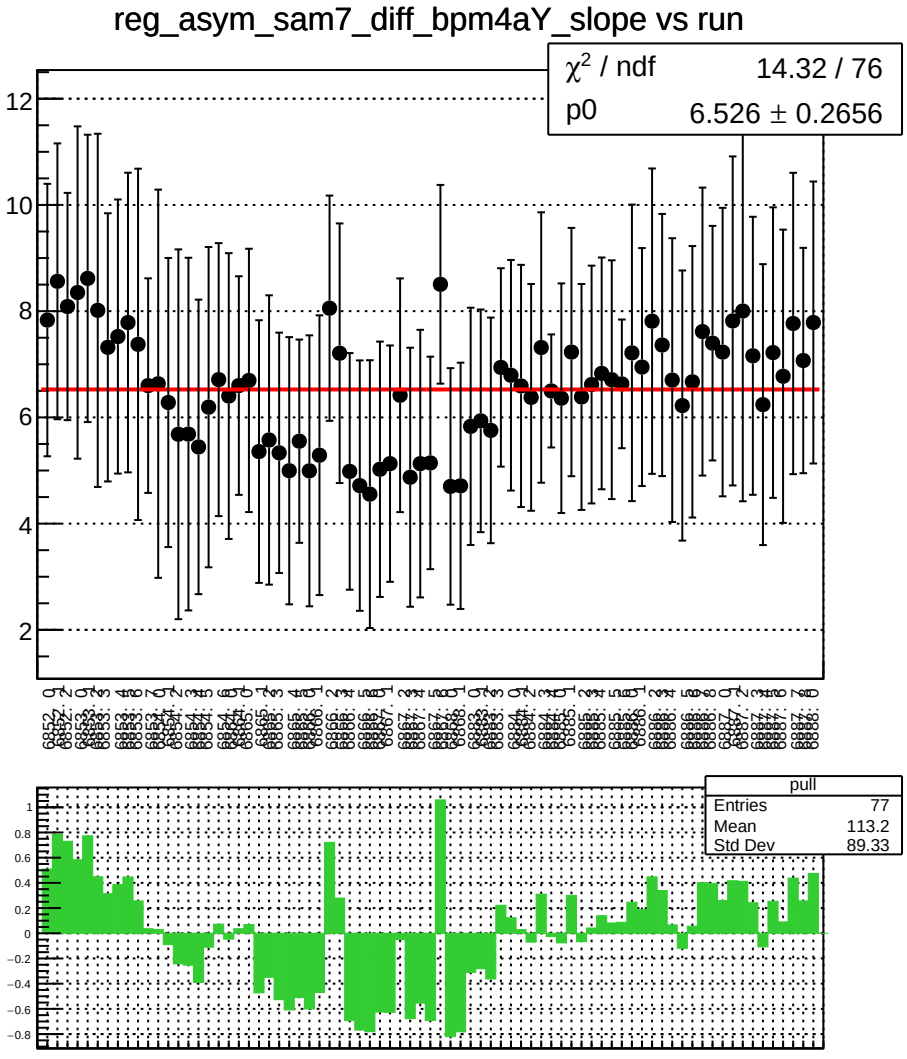

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 94.08 / 76
p0 67.75 ± 0.9266
pull
Entries 77
Mean 918.2
Std Dev 899.1

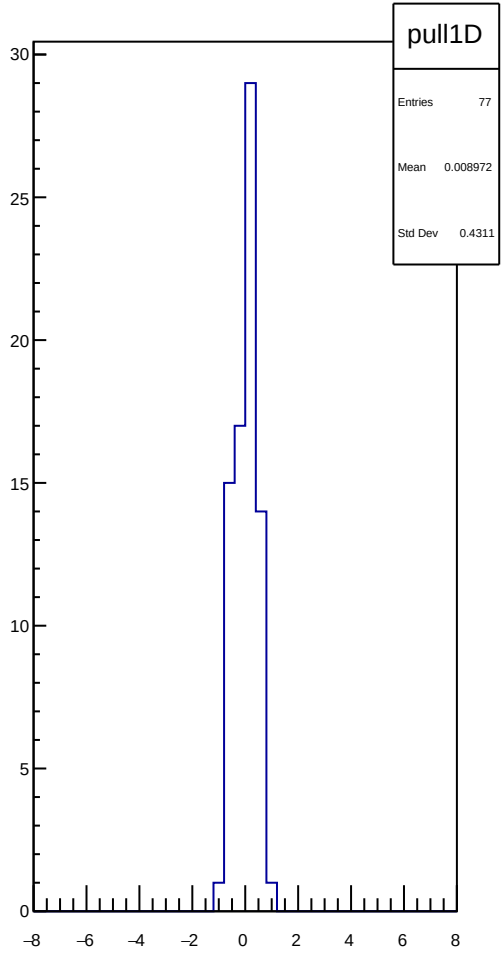

pull1D
Entries 77
Mean 0.008929
Std Dev 1.105

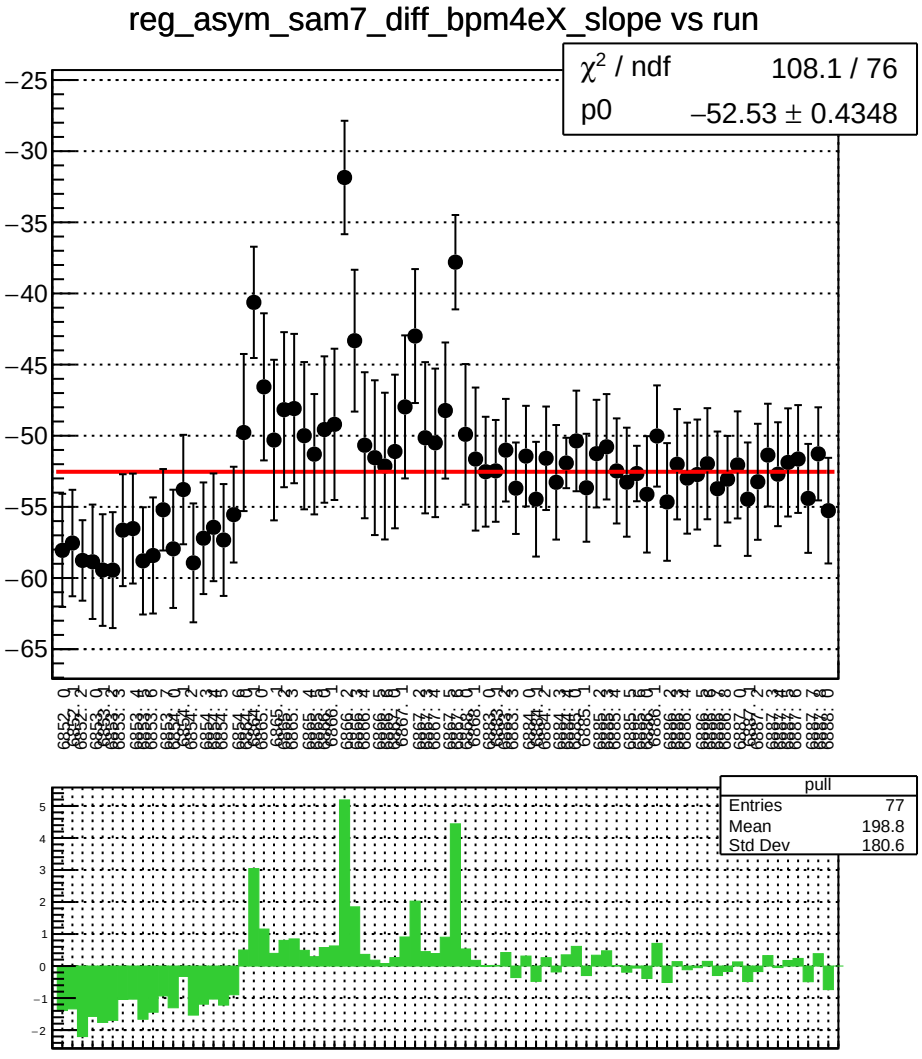

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 61.64 / 76
p0 −0.2231± 0.05004
pull
Entries 77
Mean −766
Std Dev 802.6
pull1D
Entries 77
Mean 0.02231
Std Dev 0.8944

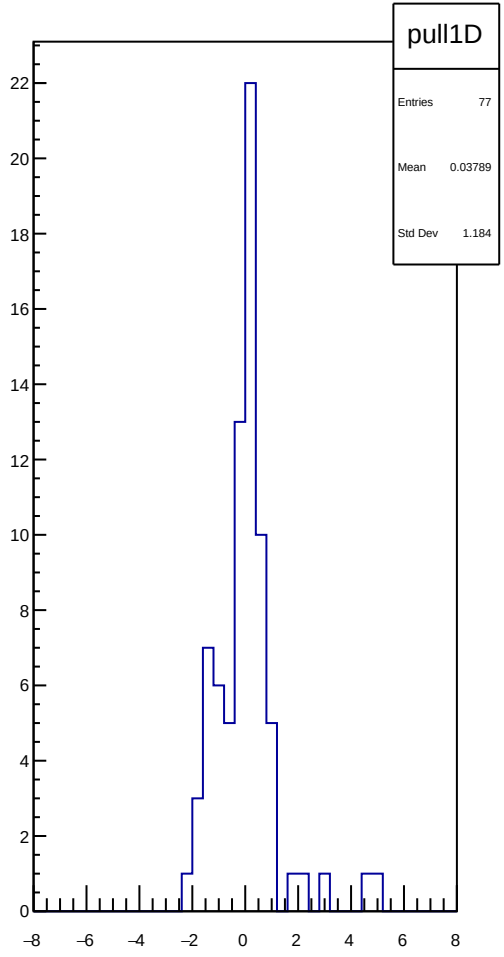

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 108.5 / 76
p0 12.87 ± 0.4538
pull
Entries 77
Mean 288.4
Std Dev 268.8

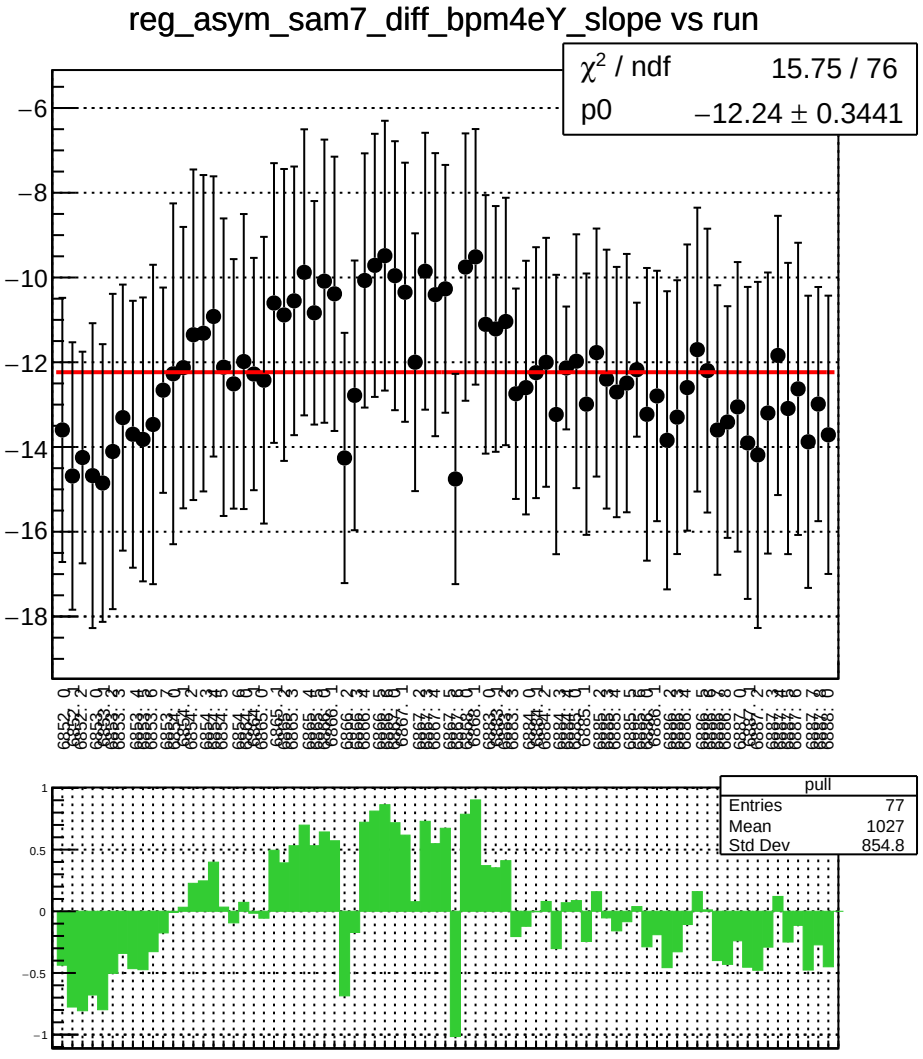

pull1D
Entries 77
Mean −0.02604
Std Dev 1.187

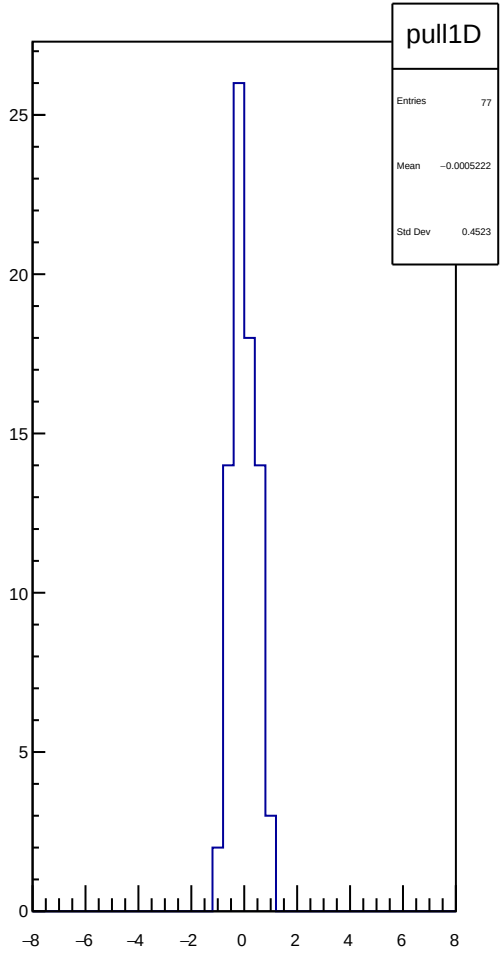

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 14.32 / 76
p0 6.526 ± 0.2656
pull
Entries 77
Mean 113.2
Std Dev 89.33

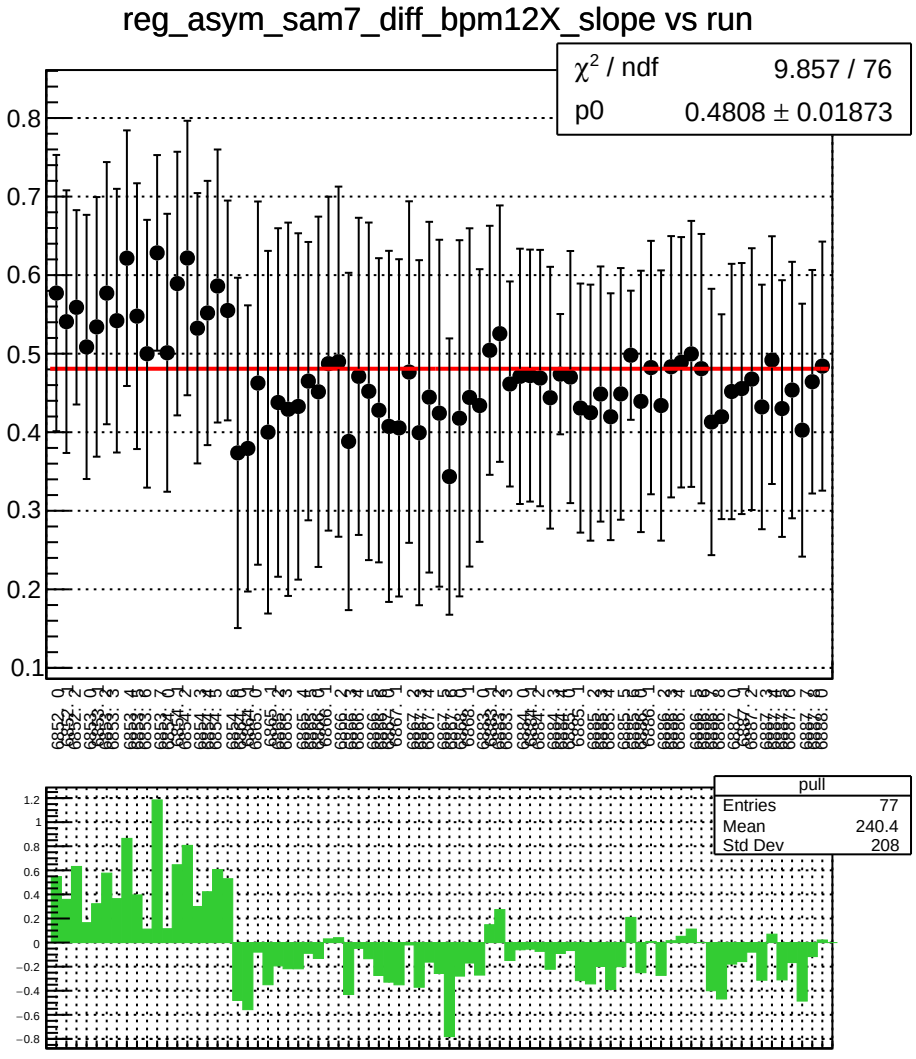

pull1D
Entries 77
Mean 0.008972
Std Dev 0.4311

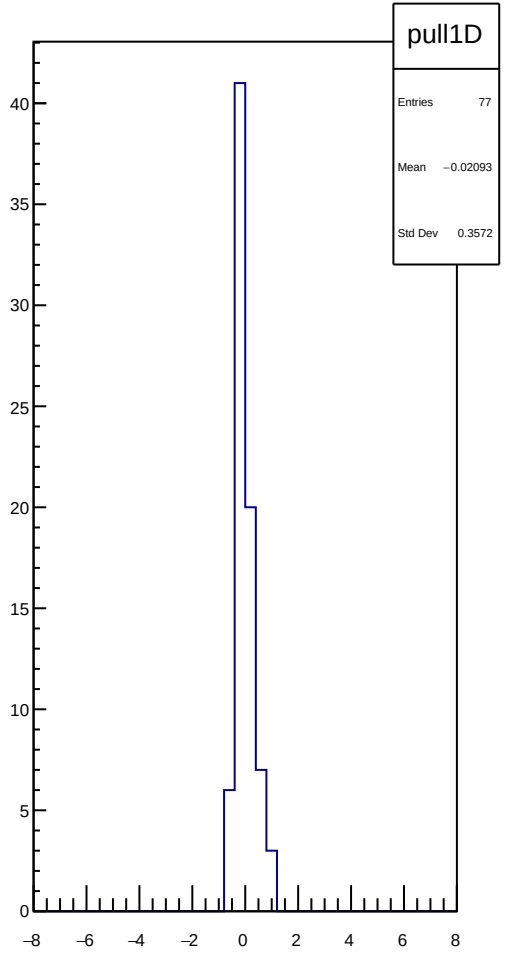

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 108.1 / 76
p0 −52.53 ± 0.4348
pull
Entries 77
Mean 198.8
Std Dev 180.6

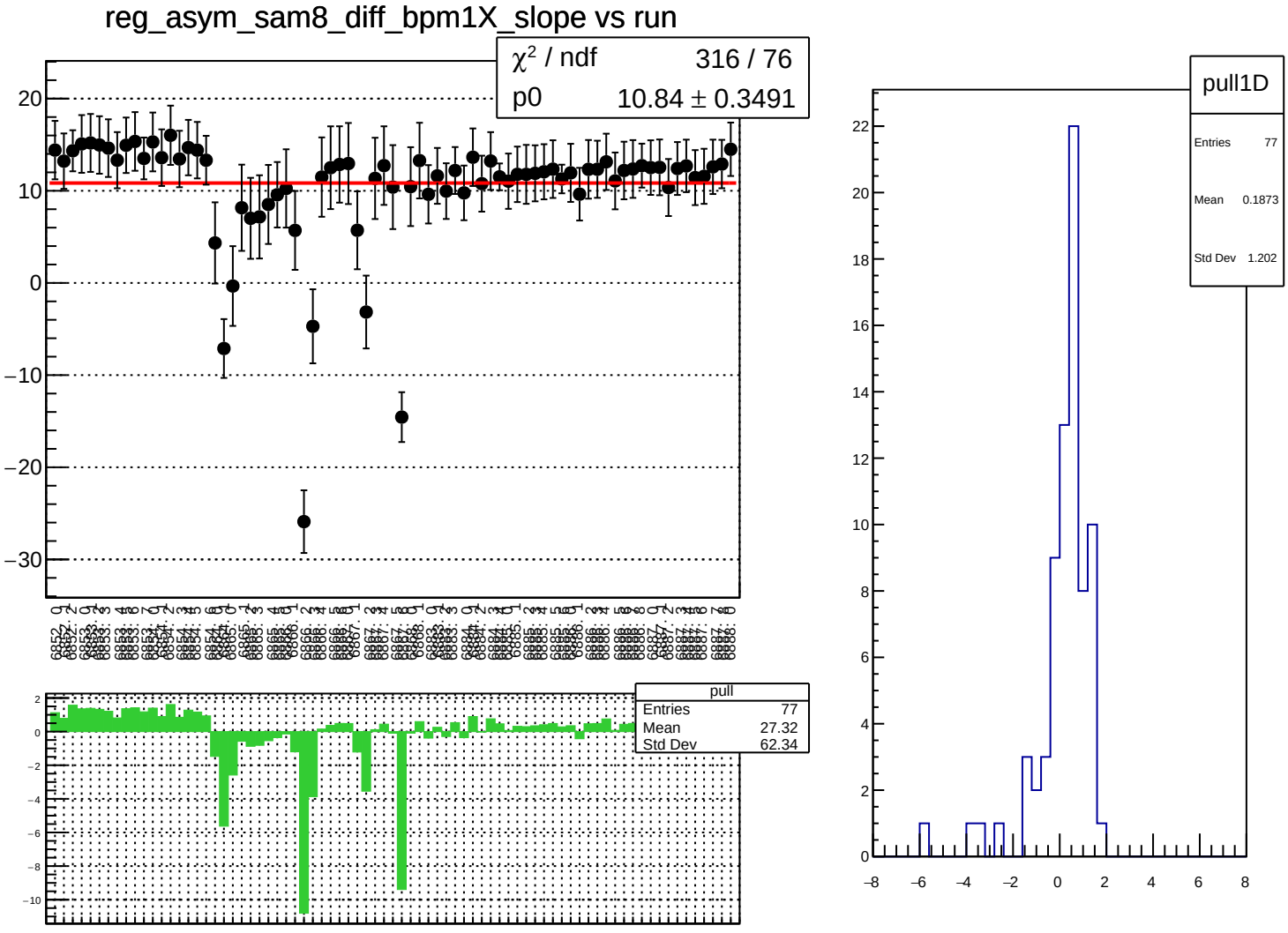

pull1D
Entries 77
Mean 0.03789
Std Dev 1.184

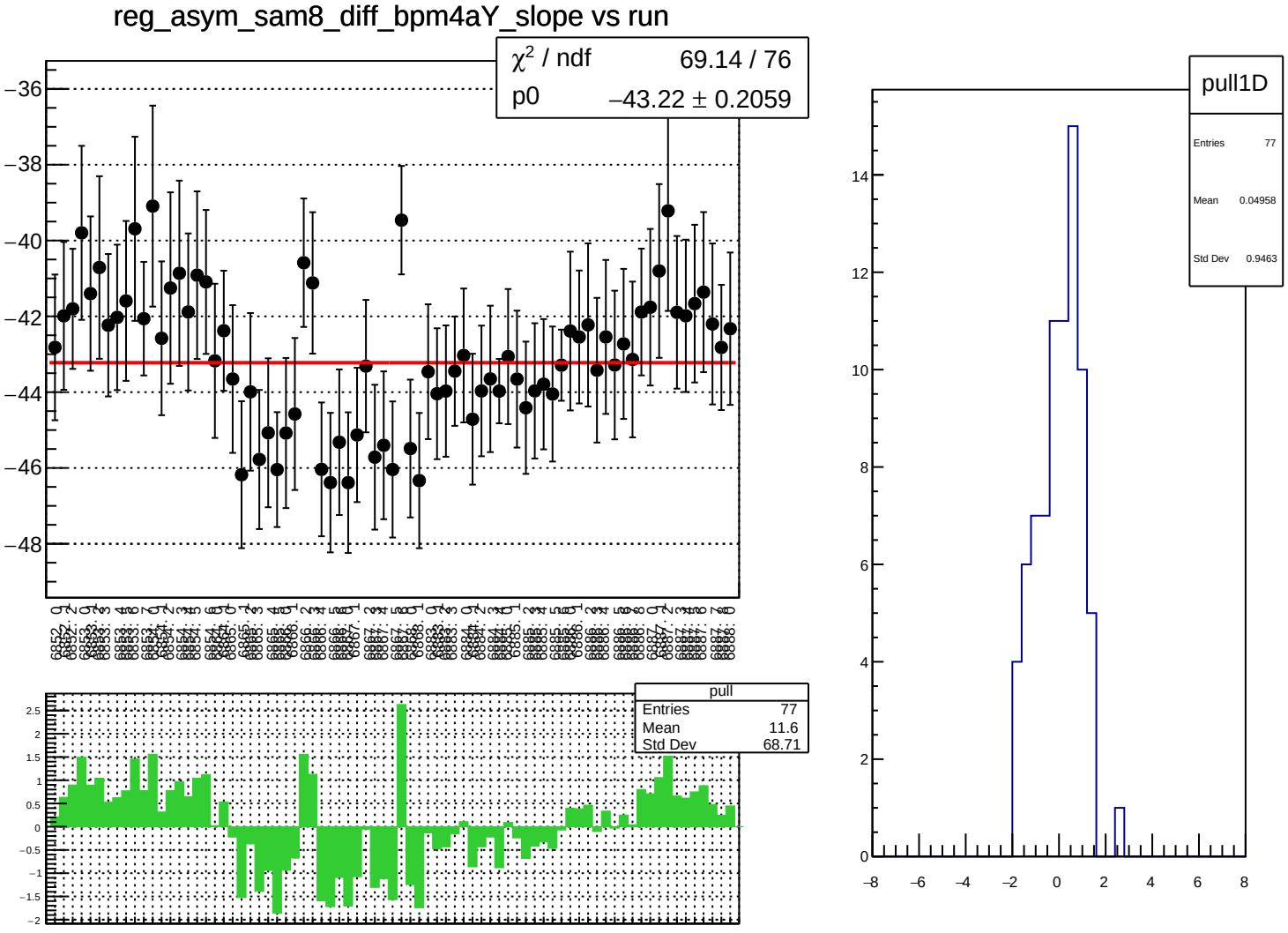

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 15.75 / 76
p0 −12.24 ± 0.3441
pull
Entries 77
Mean 1027
Std Dev 854.8

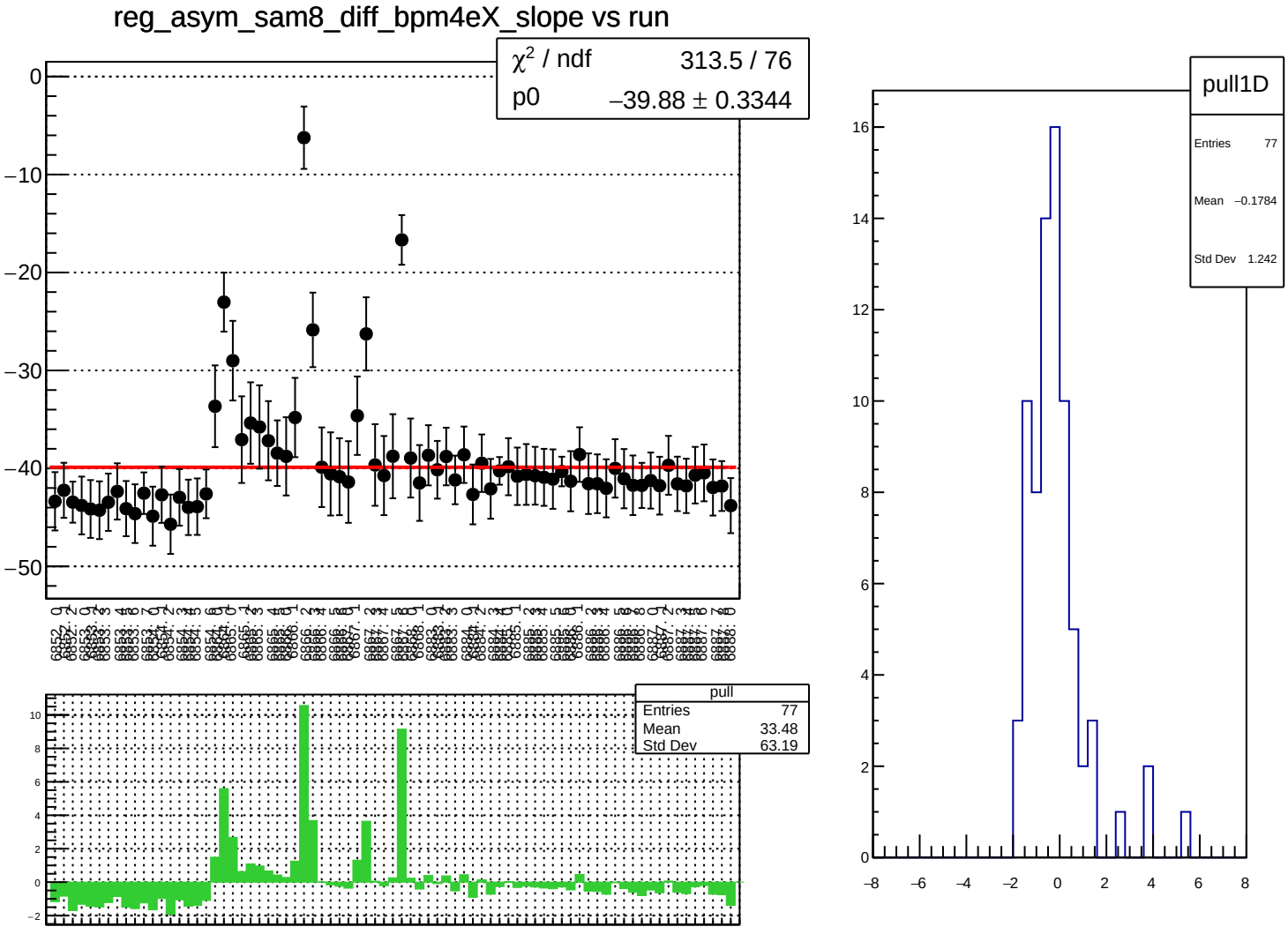

pull1D
Entries 77
Mean −0.0005222
Std Dev 0.4523

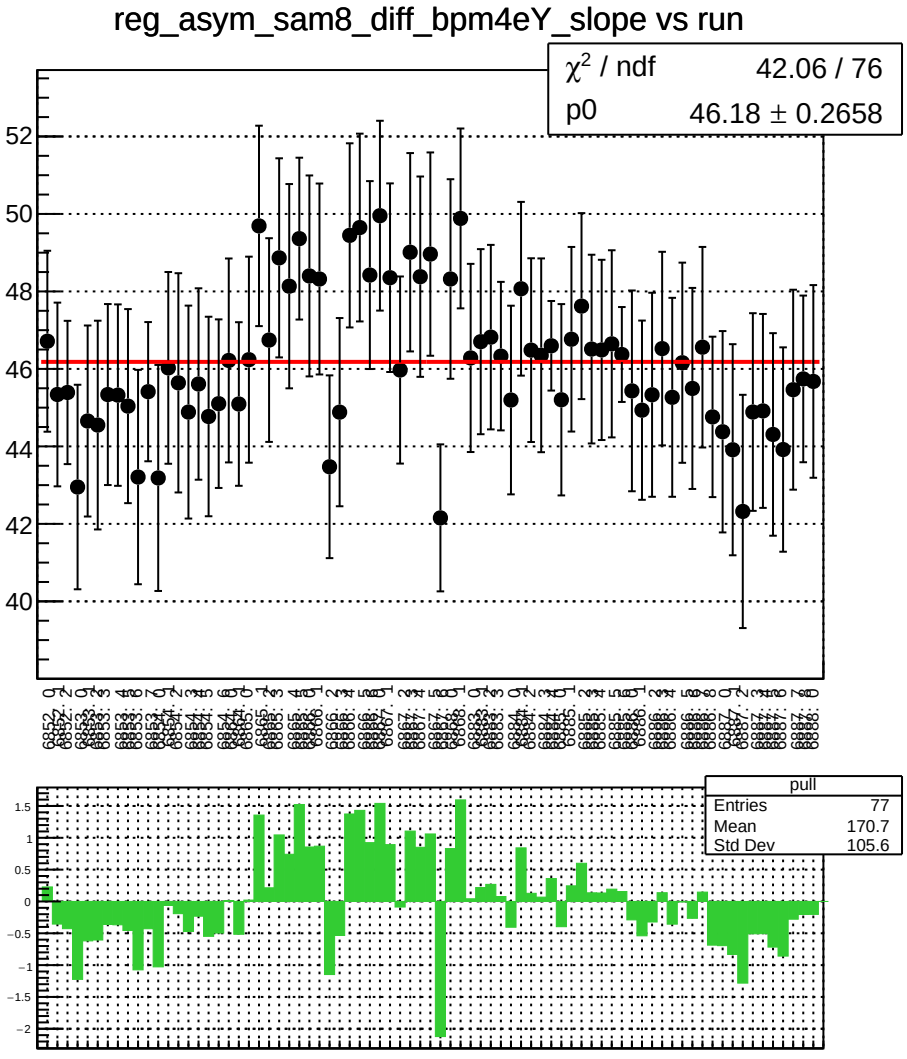

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 9.857 / 76
p0 0.4808 ± 0.01873
pull
Entries 77
Mean 240.4
Std Dev 208

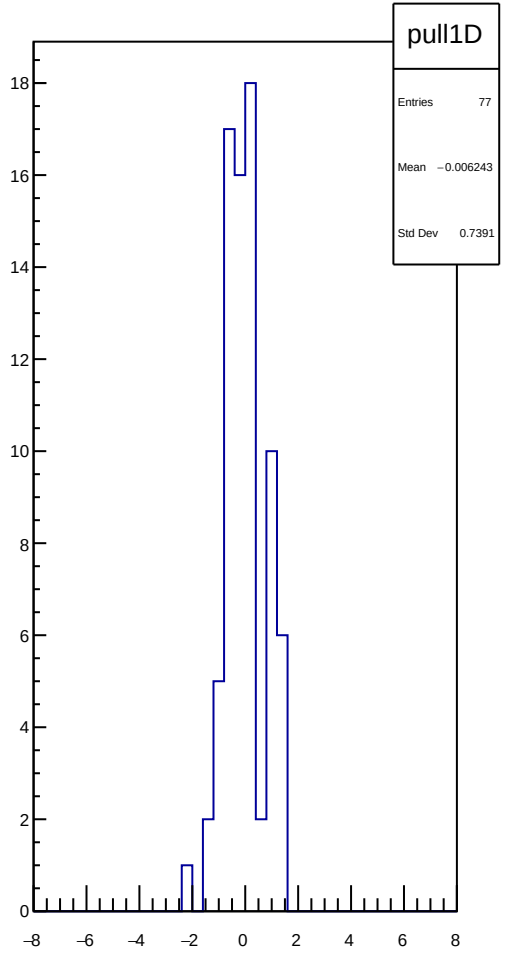

pull1D
Entries 77
Mean −0.02093
Std Dev 0.3572

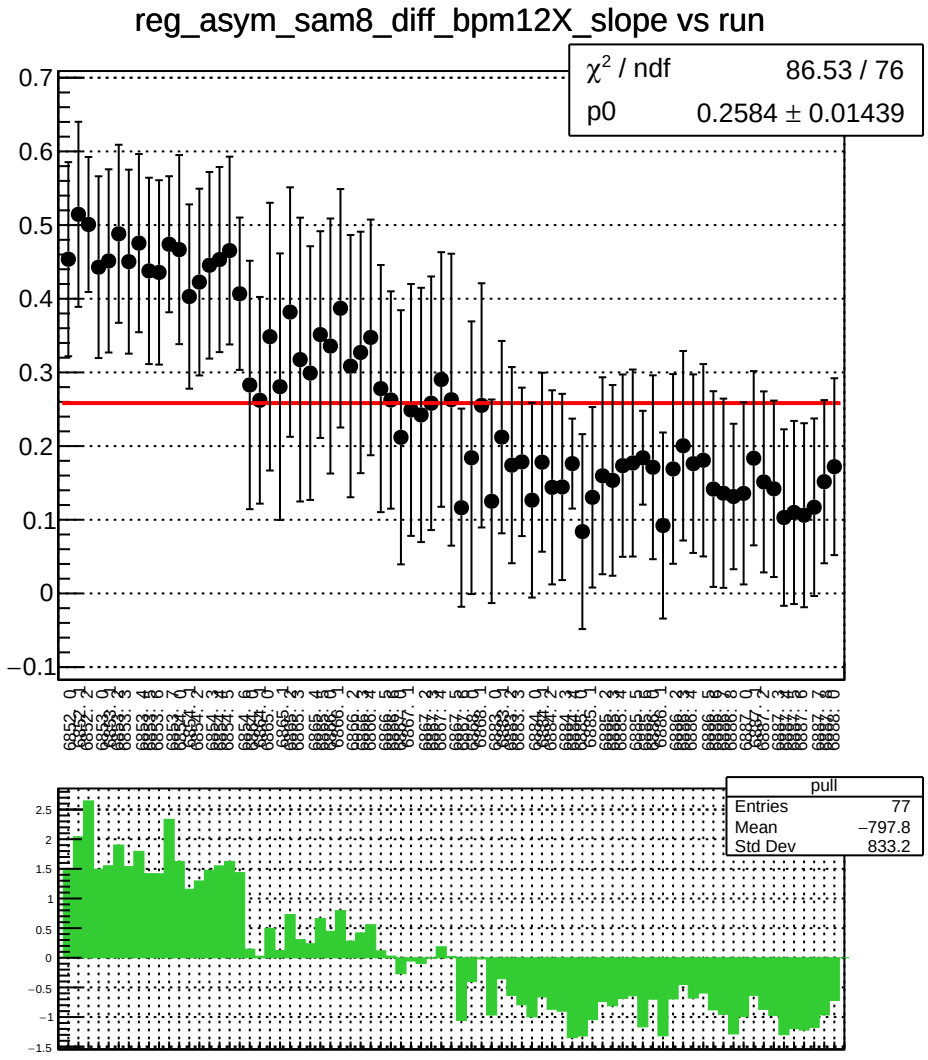

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 316 / 76
p0 10.84 ± 0.3491
pull
Entries 77
Mean 27.32
Std Dev 62.34
pull1D
Entries 77
Mean 0.1873
Std Dev 1.202

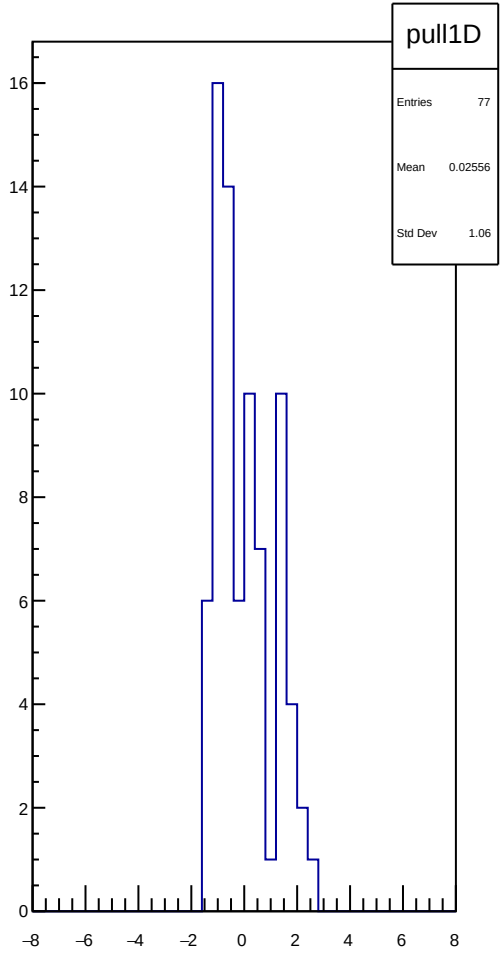

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 69.14 / 76
p0 −43.22 ± 0.2059
pull
Entries 77
Mean 11.6
Std Dev 68.71
pull1D
Entries 77
Mean 0.04958
Std Dev 0.9463

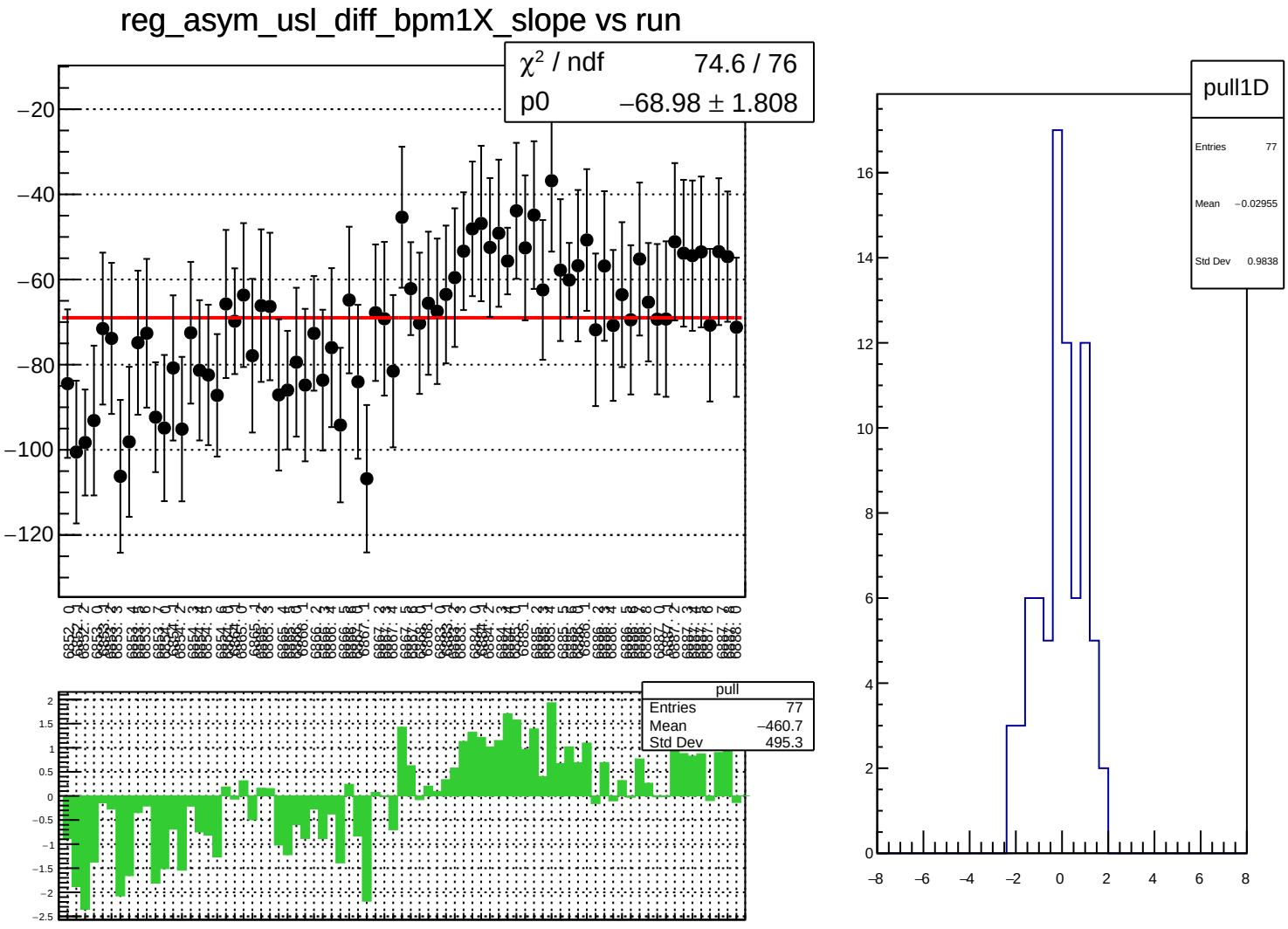

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 313.5 / 76
p0 −39.88 ± 0.3344
pull
Entries 77
Mean 33.48
Std Dev 63.19
pull1D
Entries 77
Mean −0.1784
Std Dev 1.242

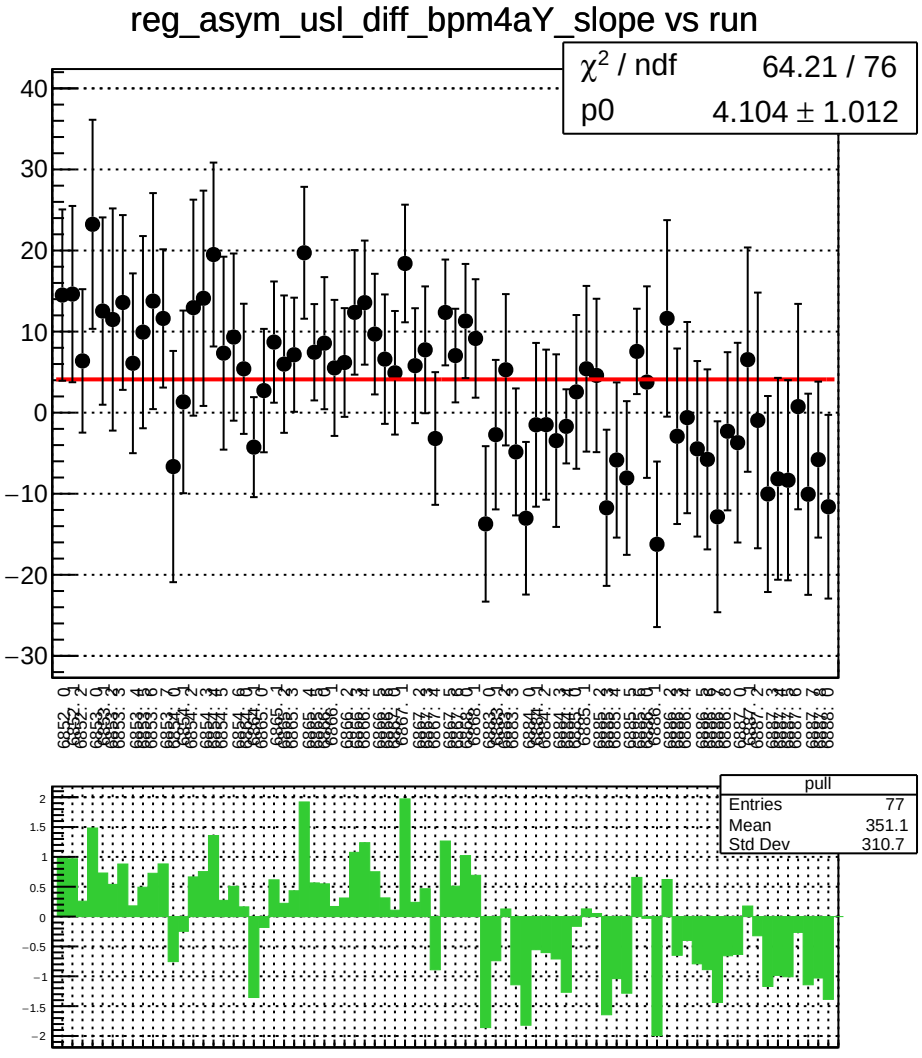

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 42.06 / 76
p0 46.18 ± 0.2658
pull
Entries 77
Mean 170.7
Std Dev 105.6

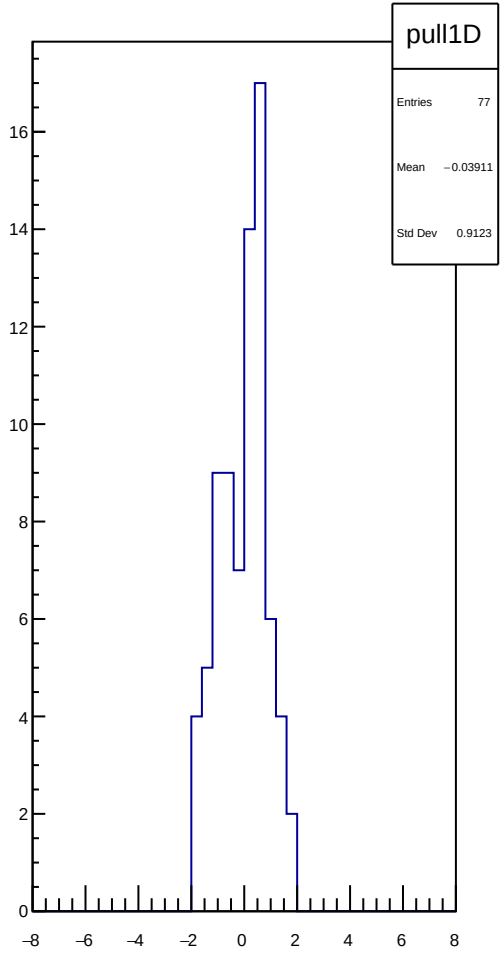

pull1D
Entries 77
Mean −0.006243
Std Dev 0.7391

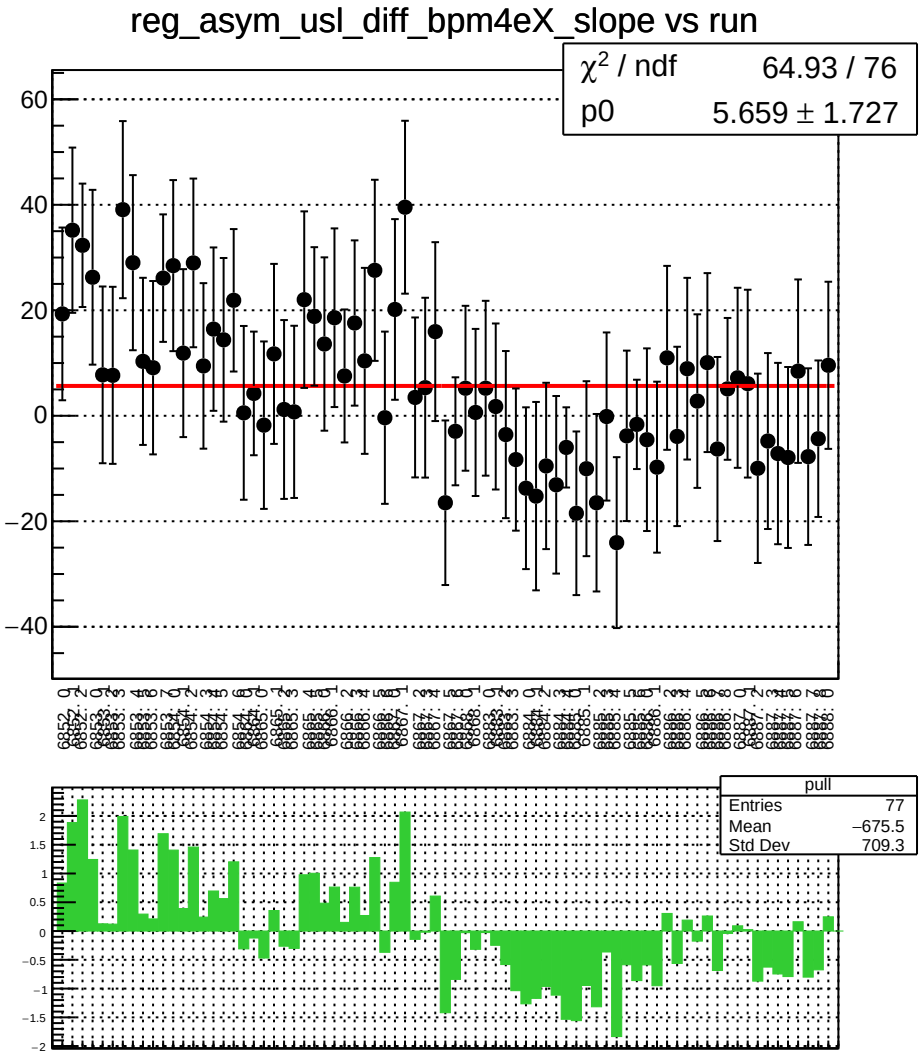

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 86.53 / 76
p0 0.2584 ± 0.01439
pull
Entries 77
Mean −797.8
Std Dev 833.2

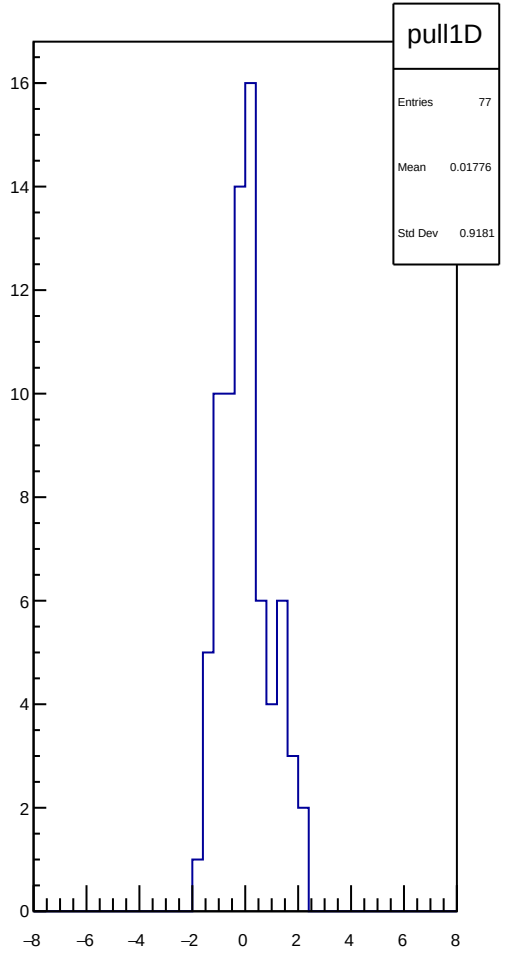

pull1D
Entries 77
Mean 0.02556
Std Dev 1.06

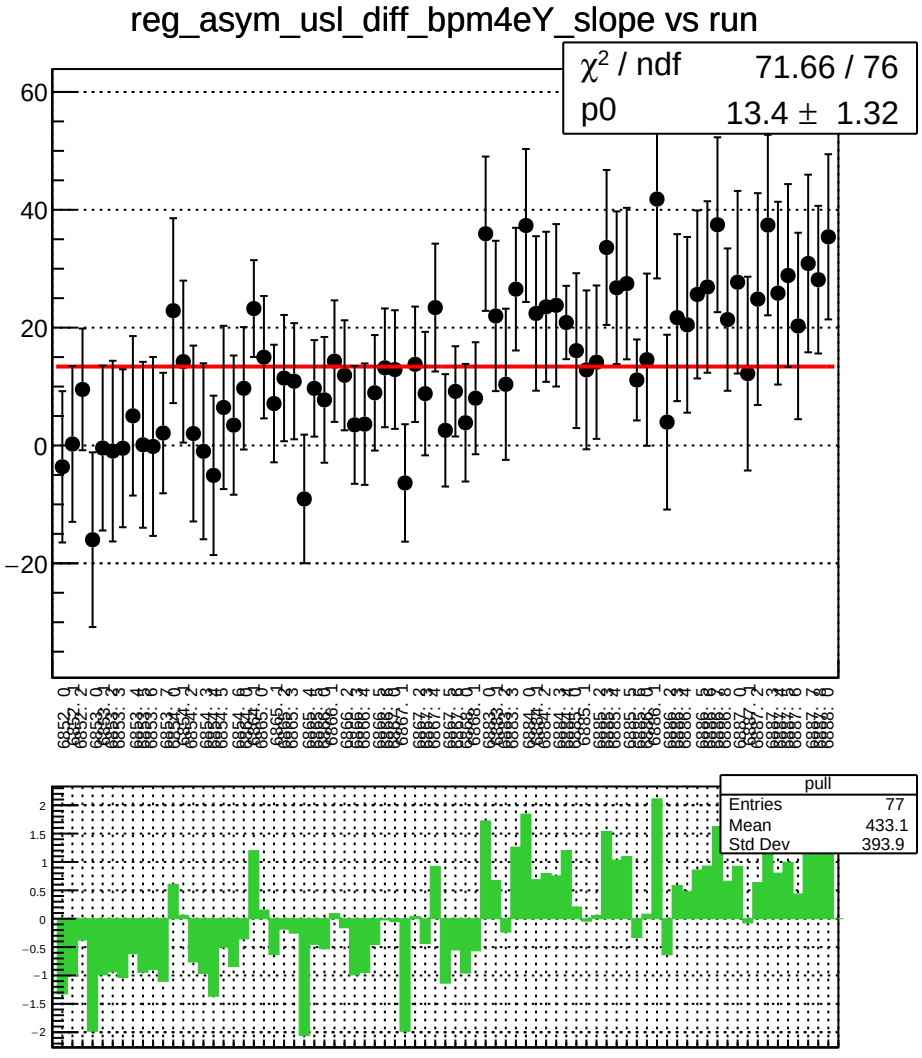

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 74.6 / 76
p0 −68.98 ± 1.808
pull
Entries 77
Mean −460.7
Std Dev 495.3
pull1D
Entries 77
Mean −0.02955
Std Dev 0.9838

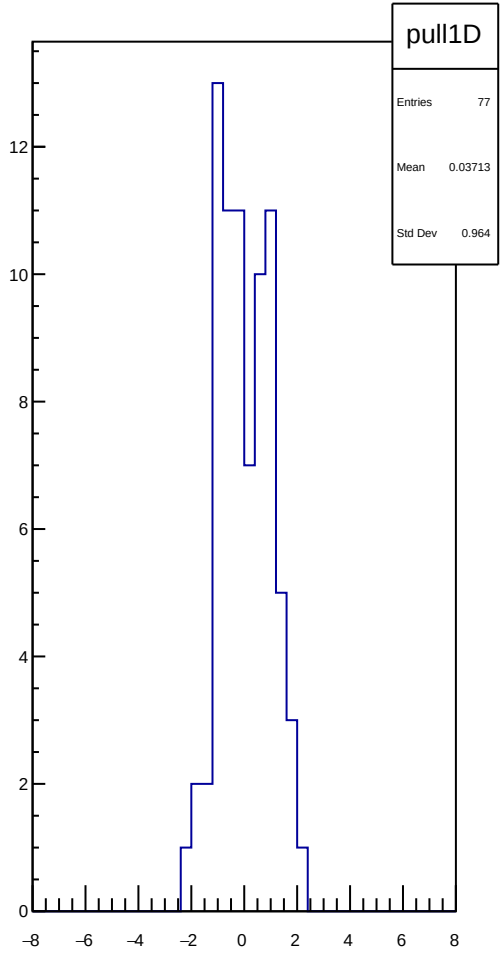

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 64.21 / 76
p0 4.104 ± 1.012
pull
Entries 77
Mean 351.1
Std Dev 310.7

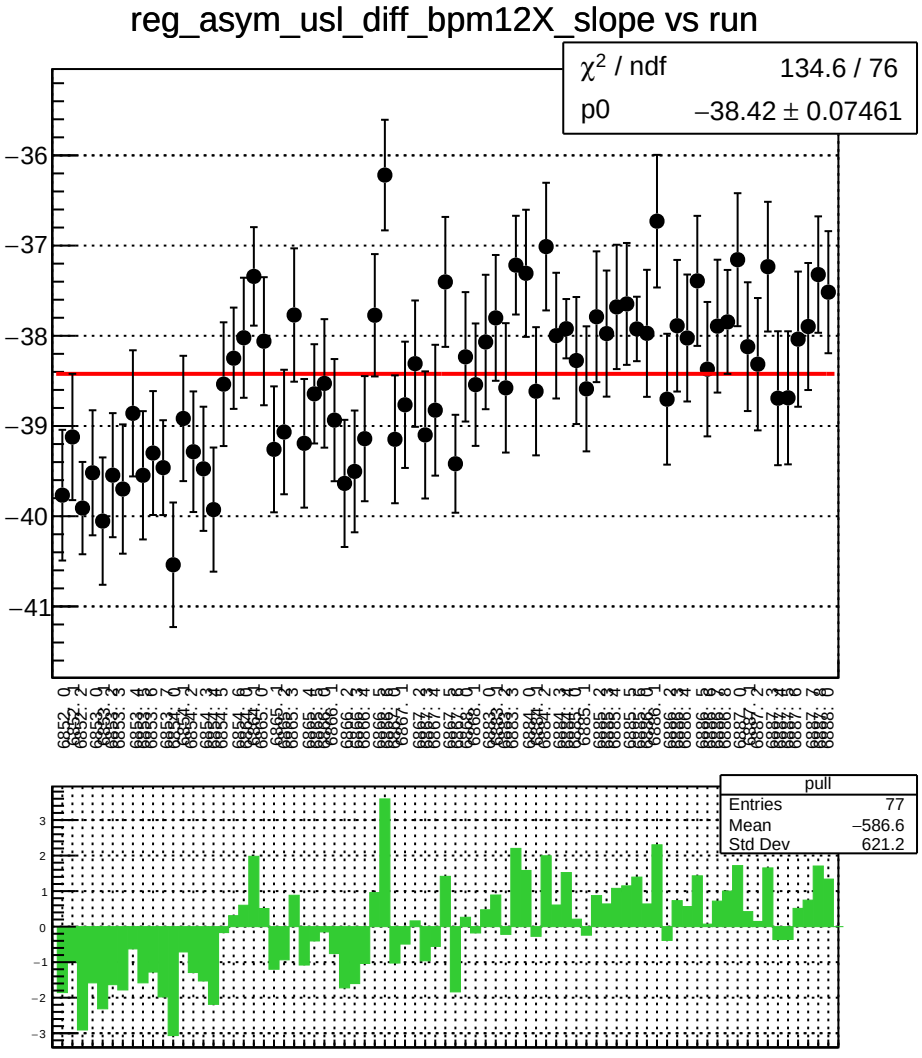

pull1D
Entries 77
Mean −0.03911
Std Dev 0.9123

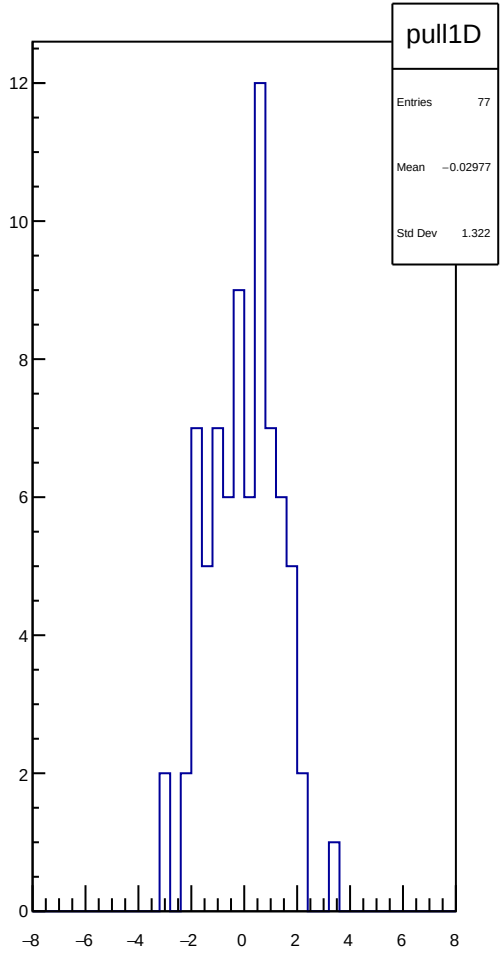

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 64.93 / 76
p0 5.659 ± 1.727
pull
Entries 77
Mean −675.5
Std Dev 709.3

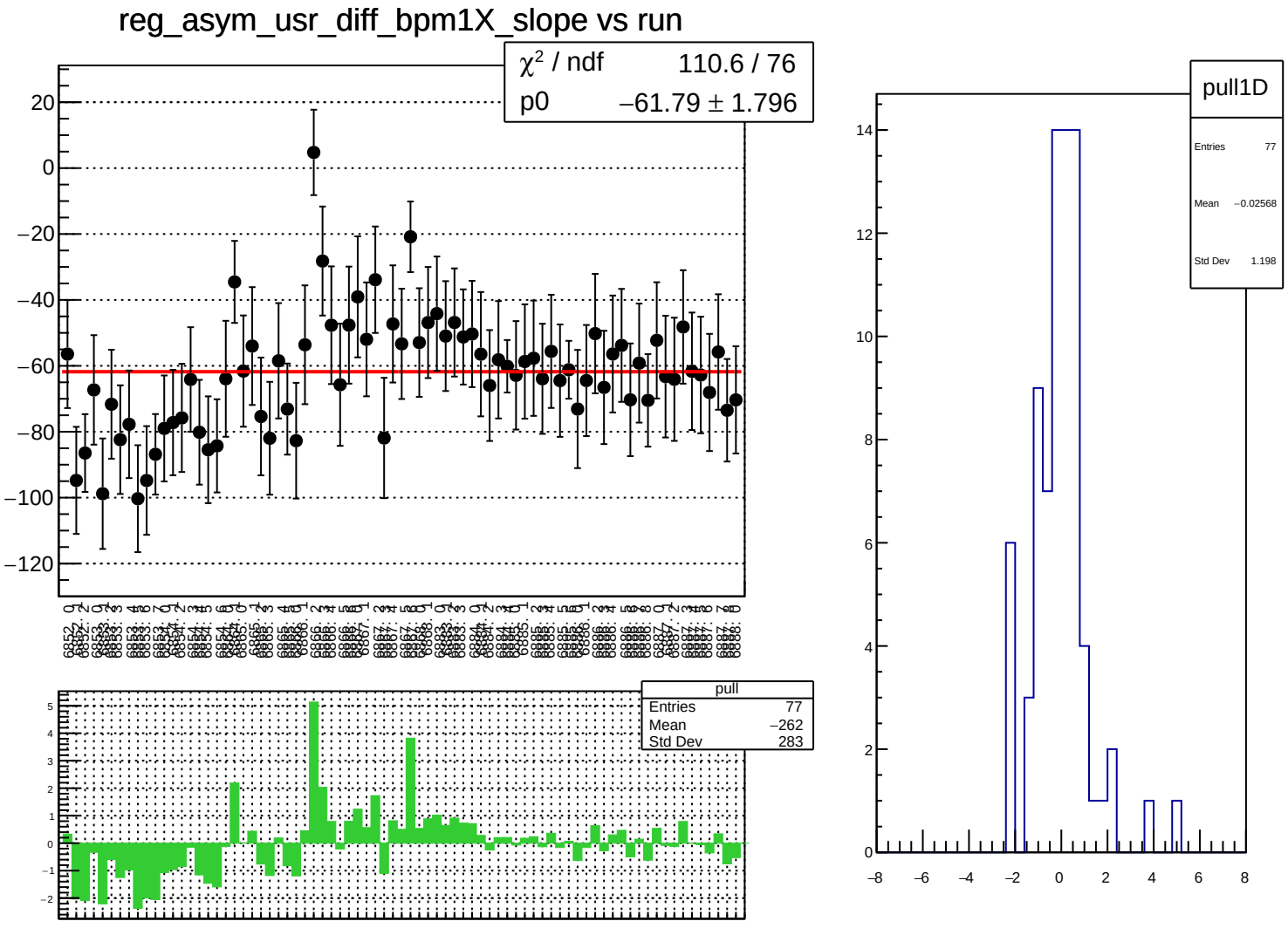

pull1D
Entries 77
Mean 0.01776
Std Dev 0.9181

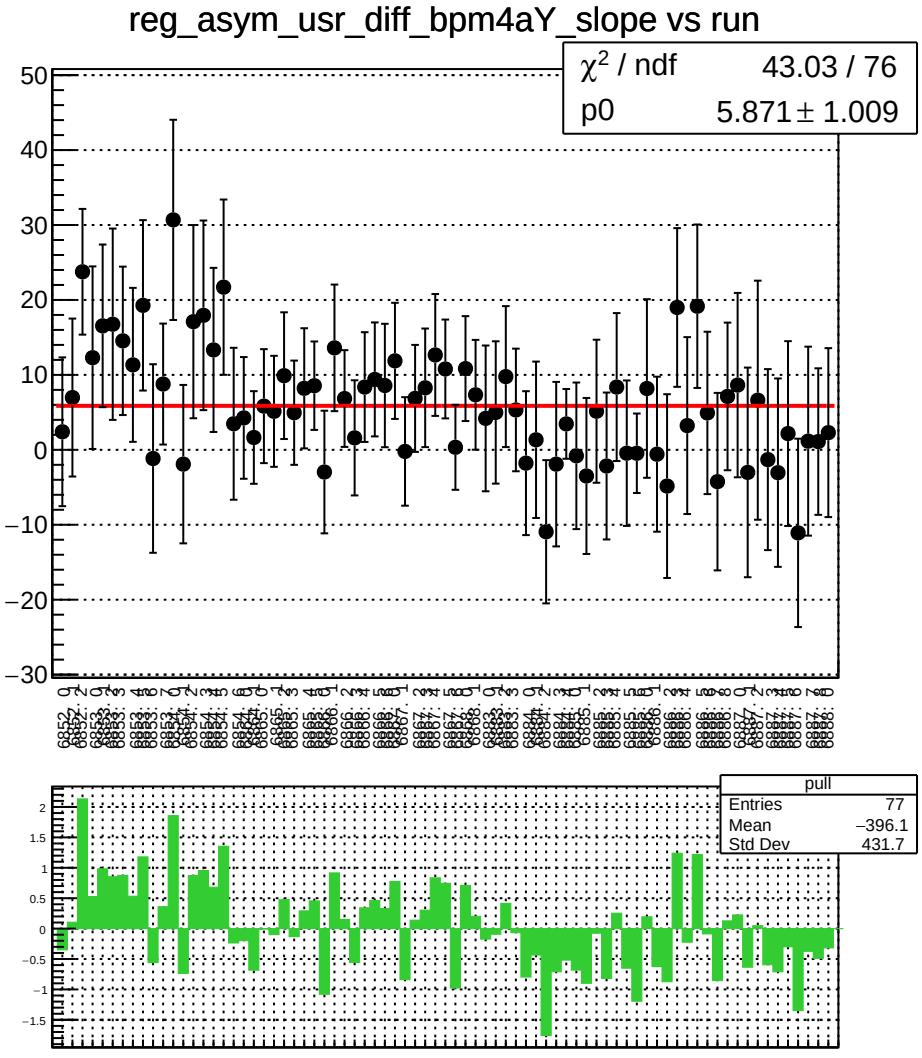

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 71.66 / 76
p0 13.4 ± 1.32
pull
Entries 77
Mean 433.1
Std Dev 393.9

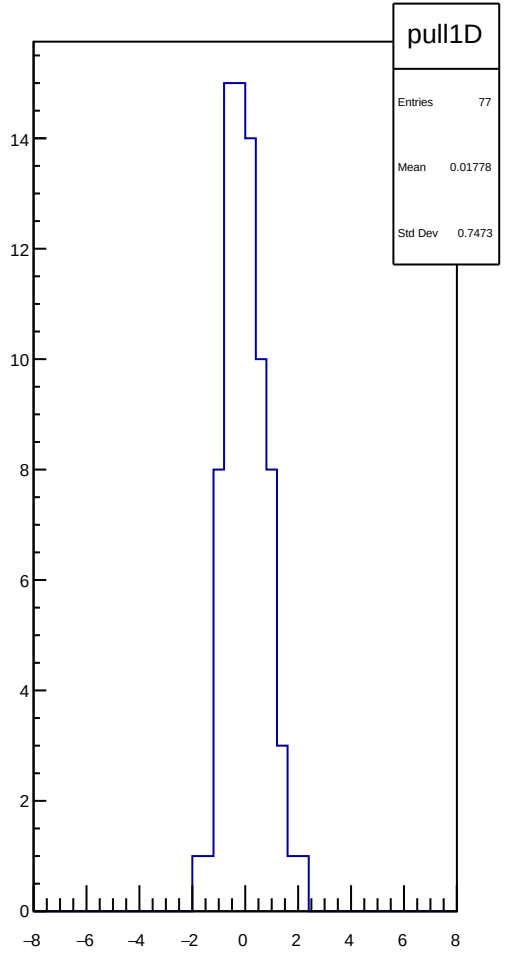

pull1D
Entries 77
Mean 0.03713
Std Dev 0.964

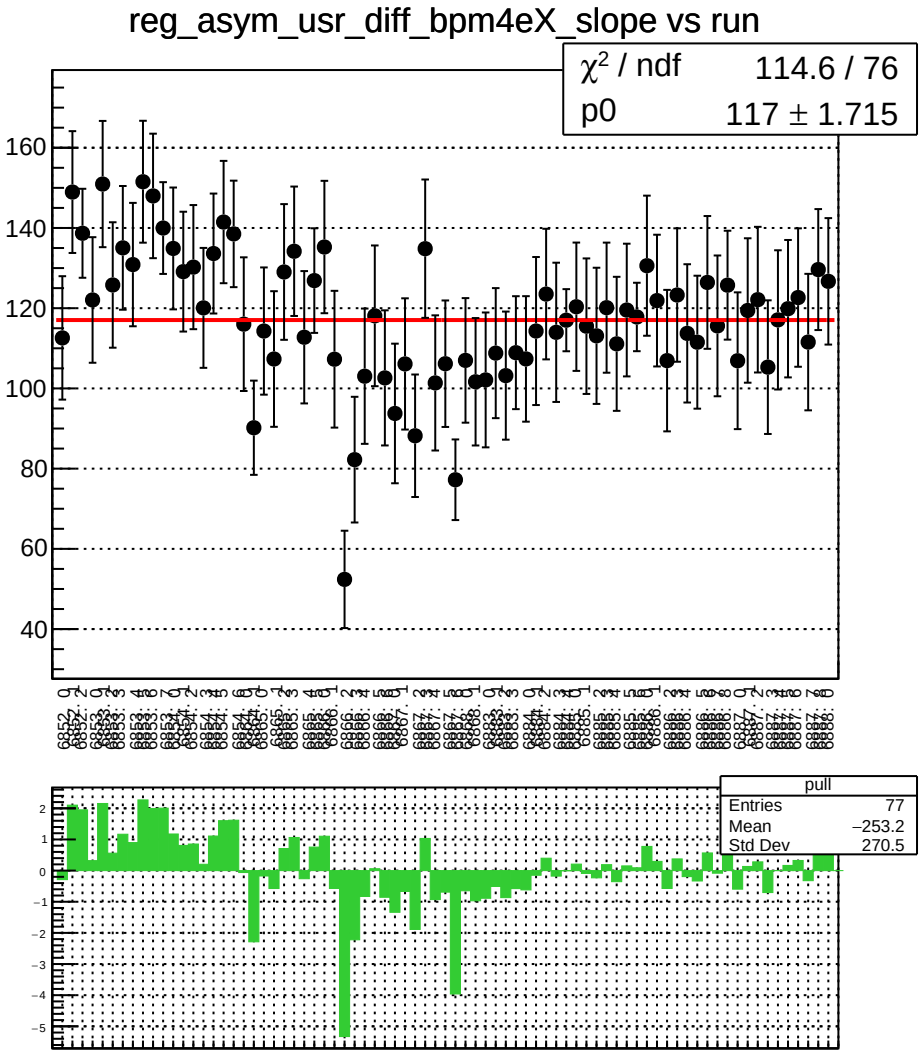

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 134.6 / 76
p0 −38.42 ± 0.07461
pull
Entries 77
Mean −586.6
Std Dev 621.2

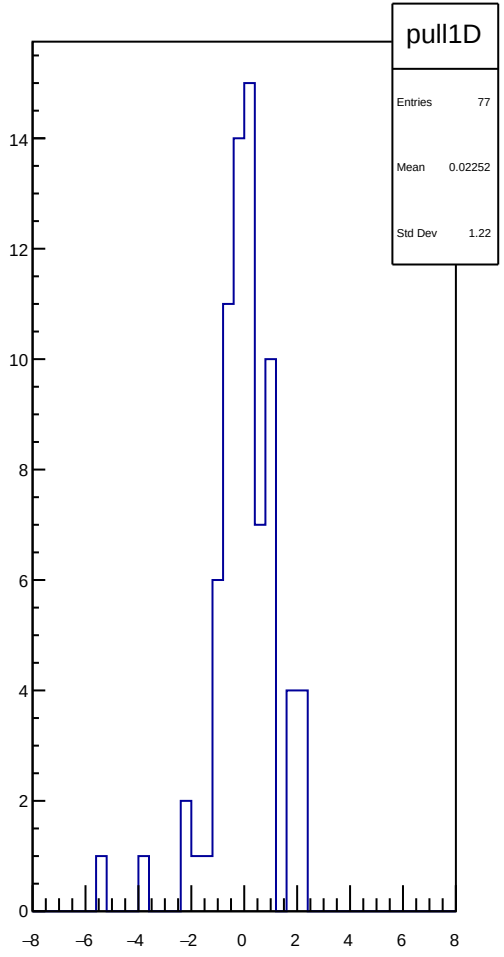

pull1D
Entries 77
Mean −0.02977
Std Dev 1.322

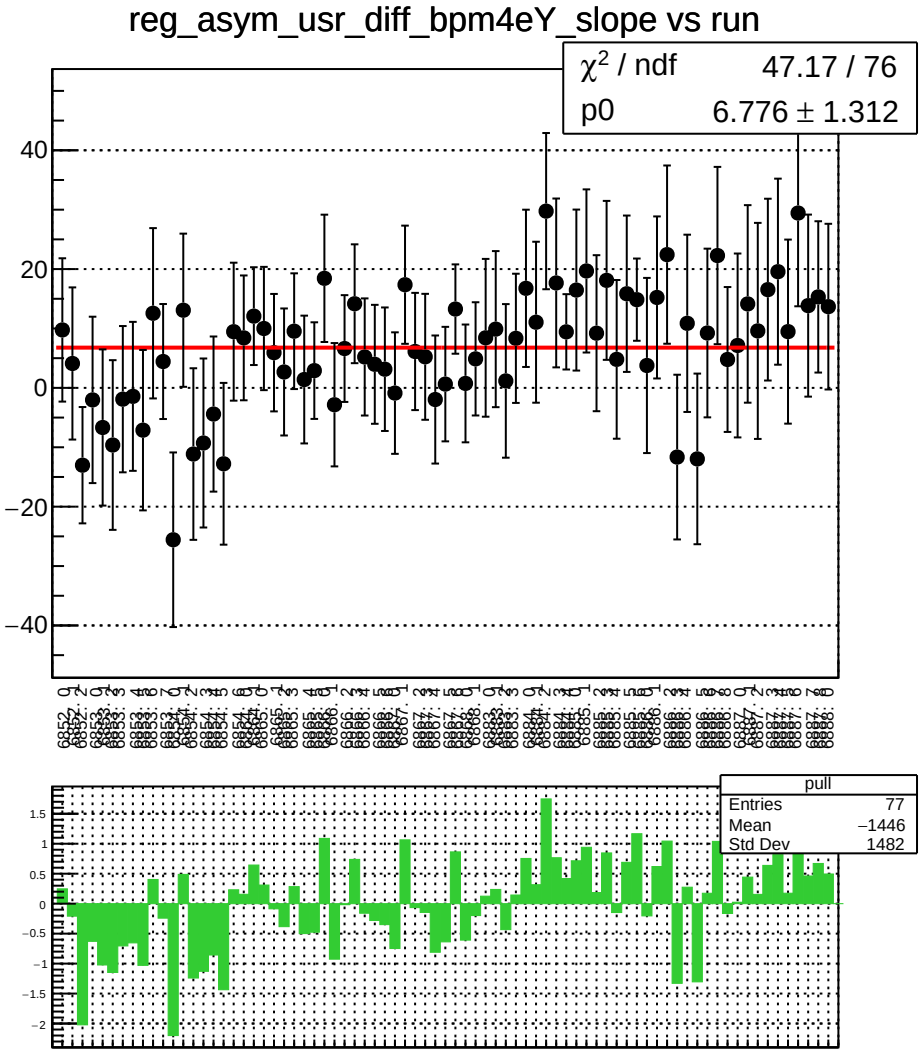

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 110.6 / 76
p0 −61.79 ± 1.796
pull
Entries 77
Mean −262
Std Dev 283
pull1D
Entries 77
Mean −0.02568
Std Dev 1.198

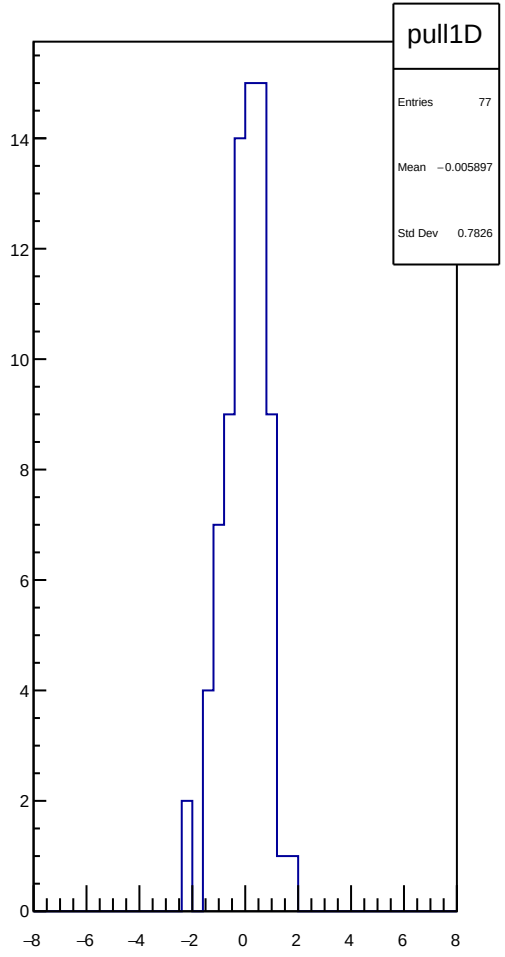

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 43.03 / 76
p0 5.871 ± 1.009
pull
Entries 77
Mean −396.1
Std Dev 431.7

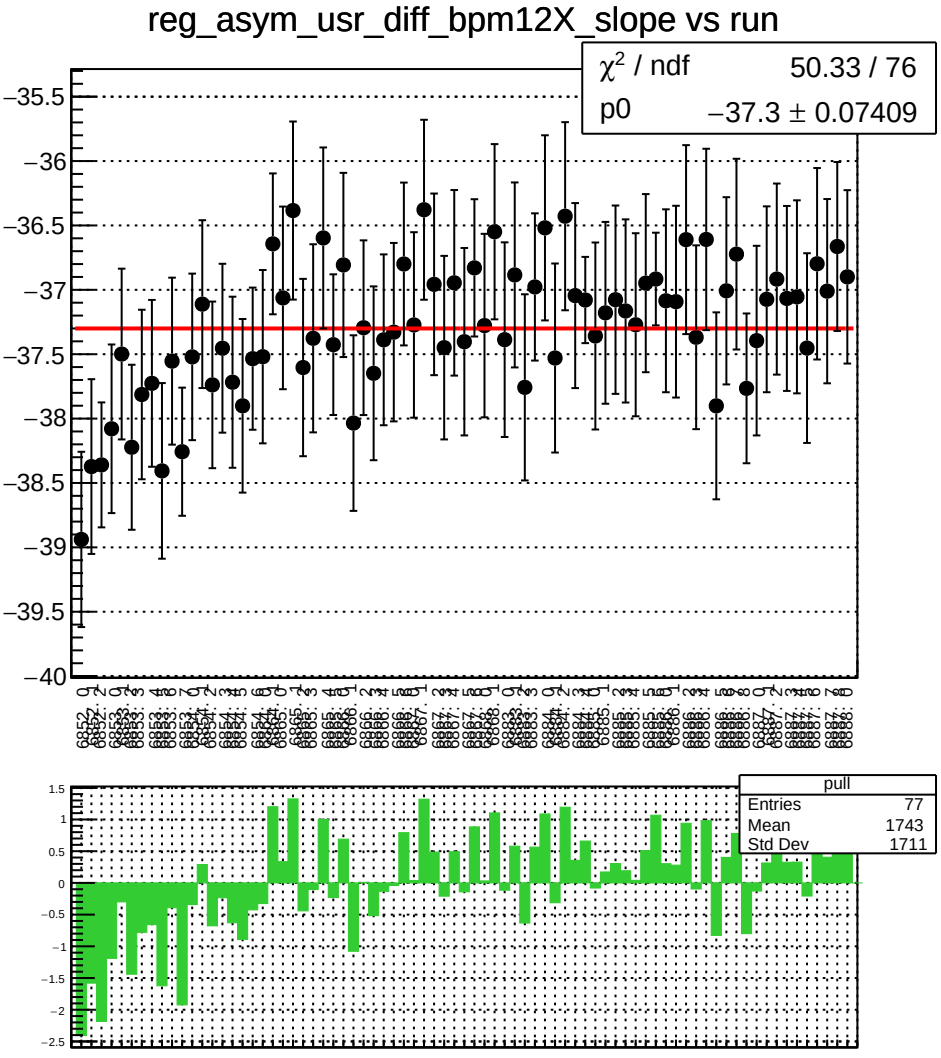

pull1D
Entries 77
Mean 0.01778
Std Dev 0.7473

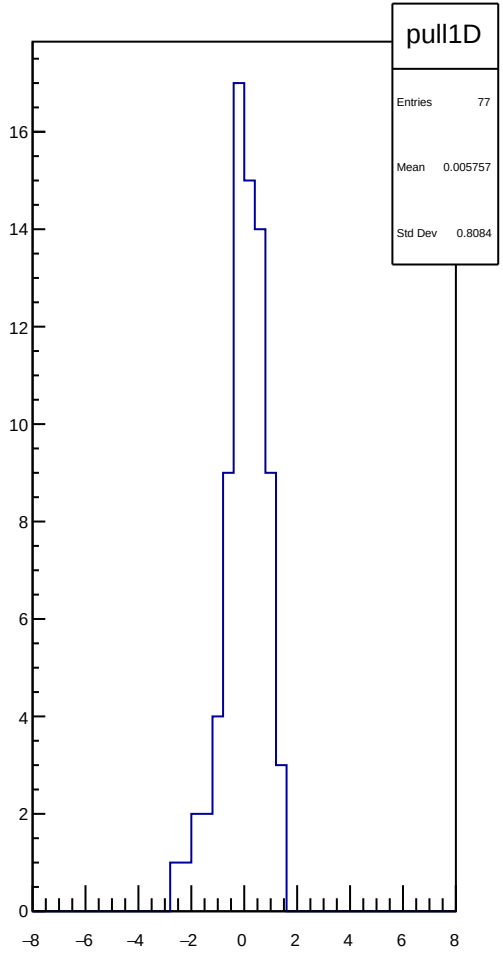

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 114.6 / 76
p0 117 ± 1.715
pull
Entries 77
Mean −253.2
Std Dev 270.5


pull1D
Entries 77
Mean 0.02252
Std Dev 1.22

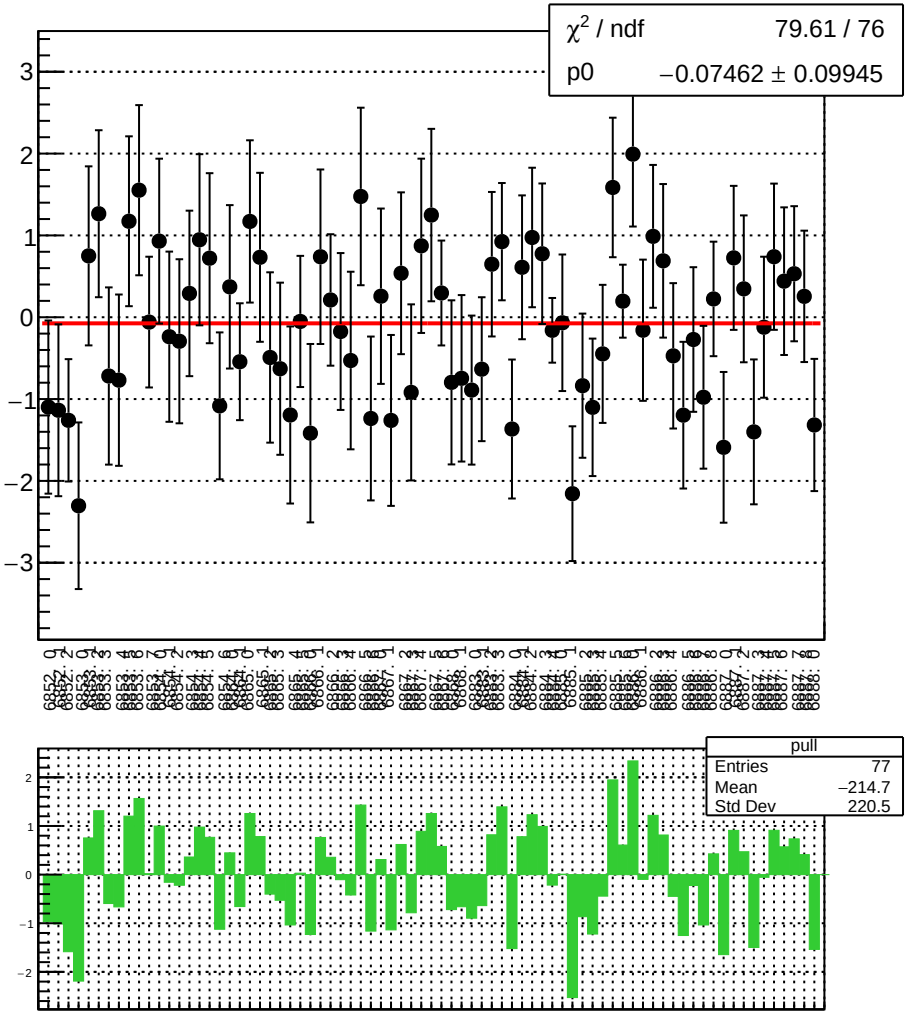

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 47.17 / 76
p0 6.776 ± 1.312
pull
Entries 77
Mean −1446
Std Dev 1482

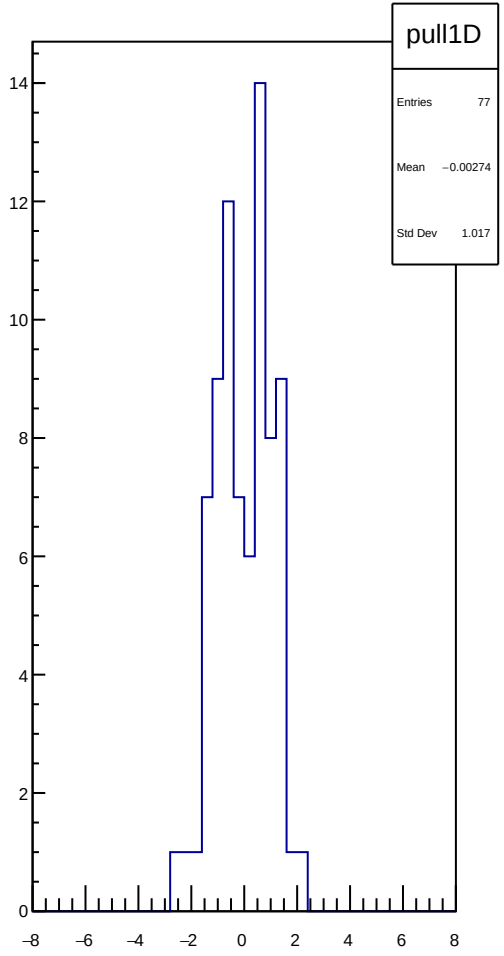

pull1D
Entries 77
Mean −0.005897
Std Dev 0.7826

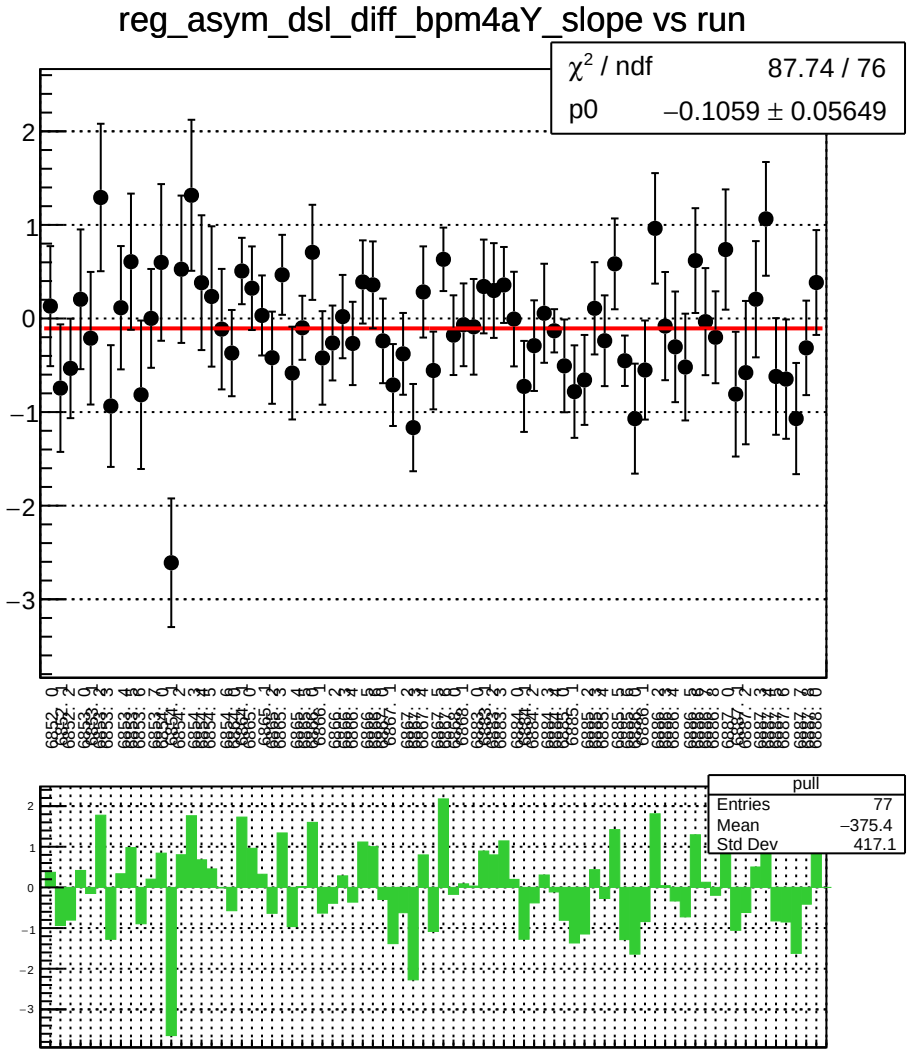

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 50.33 / 76
p0 −37.3 ± 0.07409
pull
Entries 77
Mean 1743
Std Dev 1711

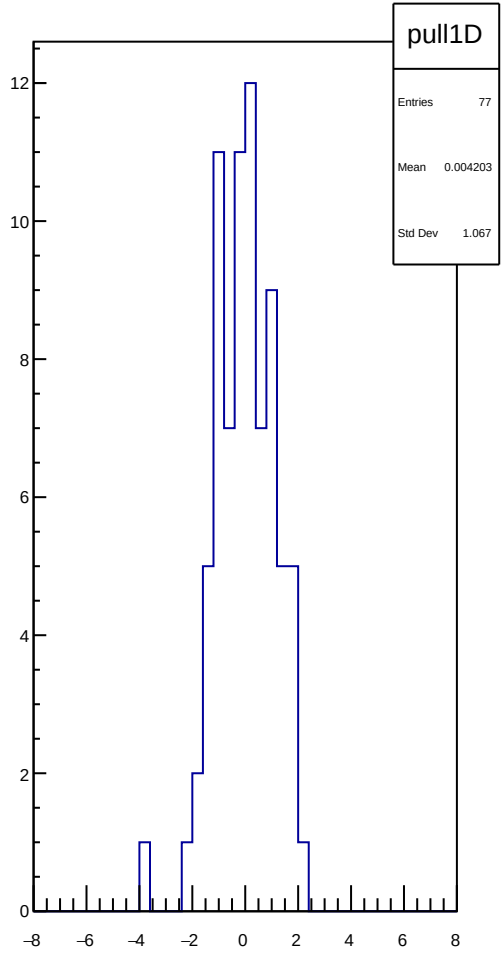

pull1D
Entries 77
Mean 0.005757
Std Dev 0.8084

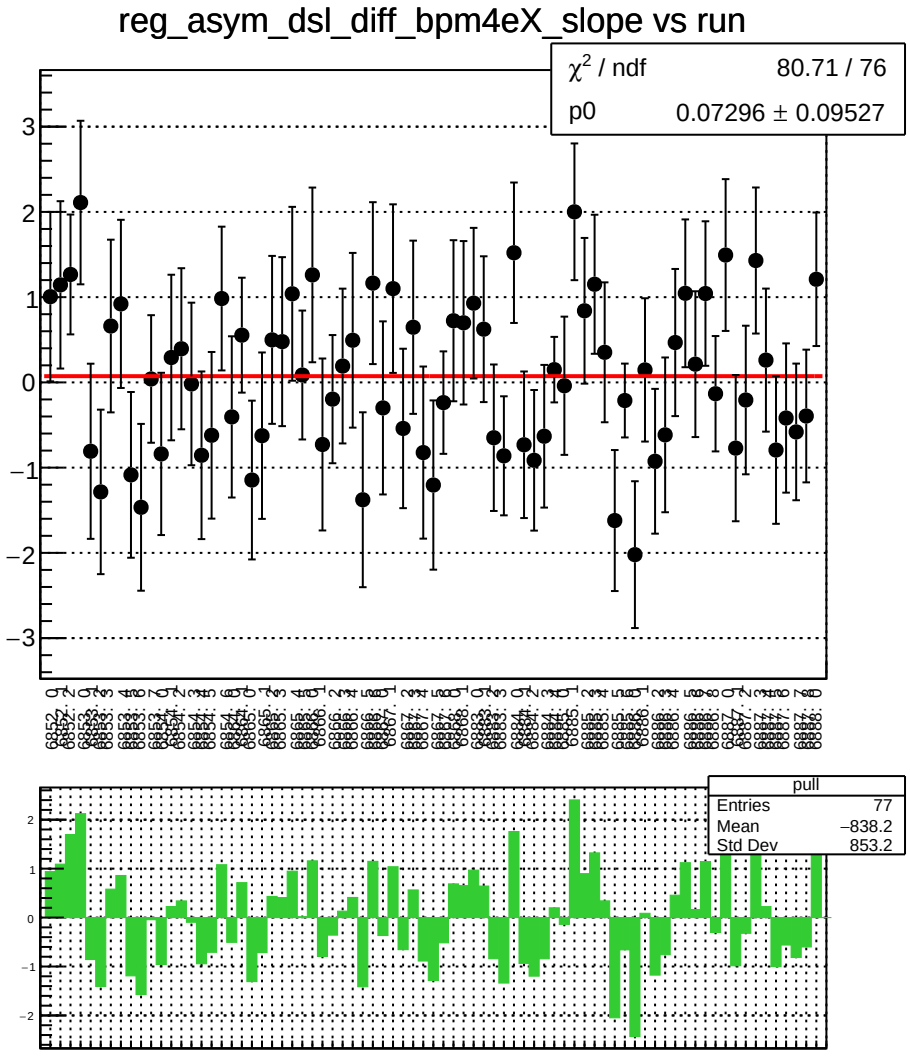
reg_asym_dsl_diff_bpm1X_slope vs run

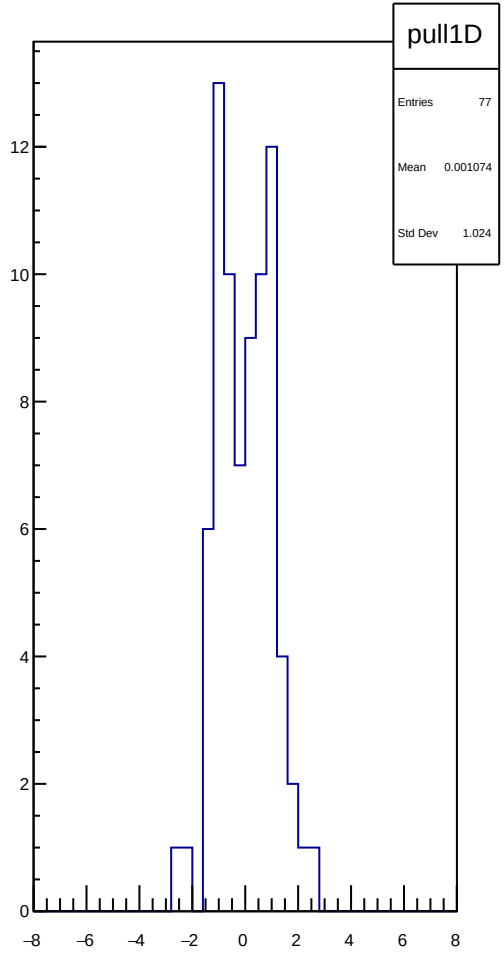


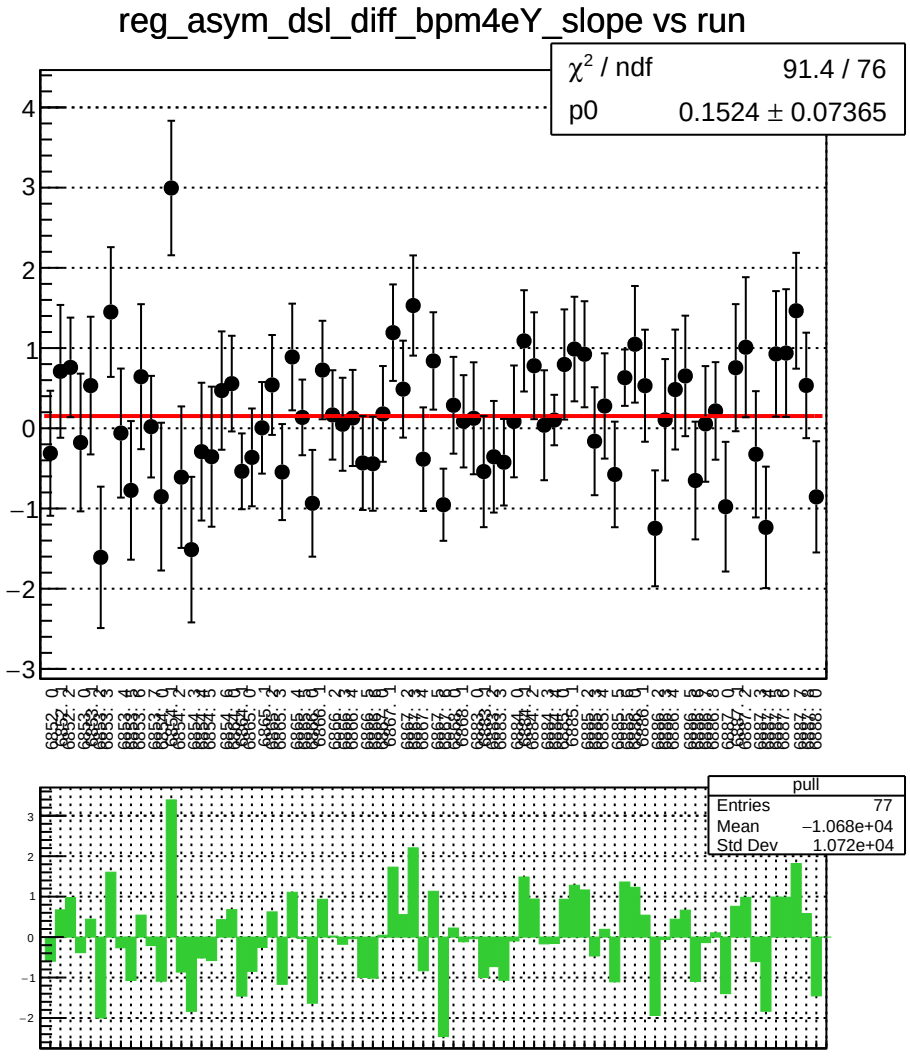


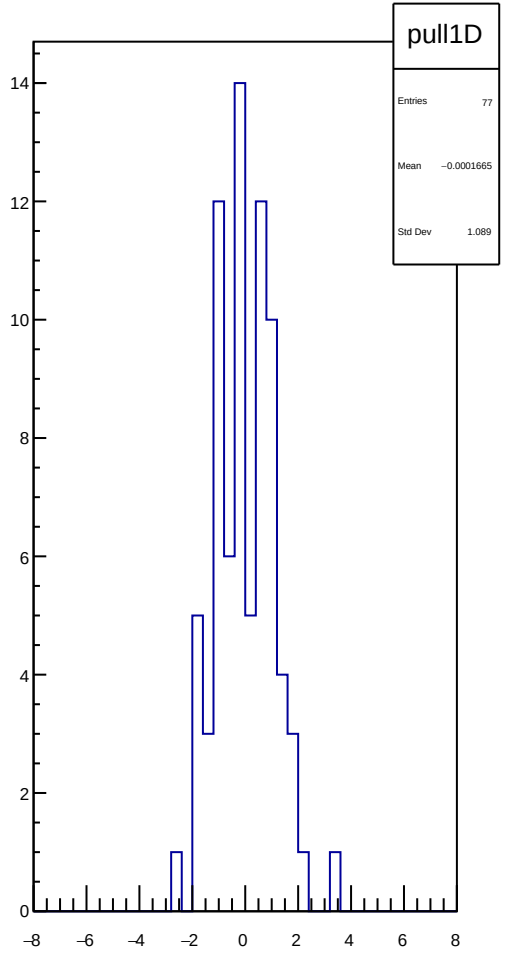

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 87.74 / 76
p0 −0.1059 ± 0.05649
pull
Entries 77
Mean −375.4
Std Dev 417.1

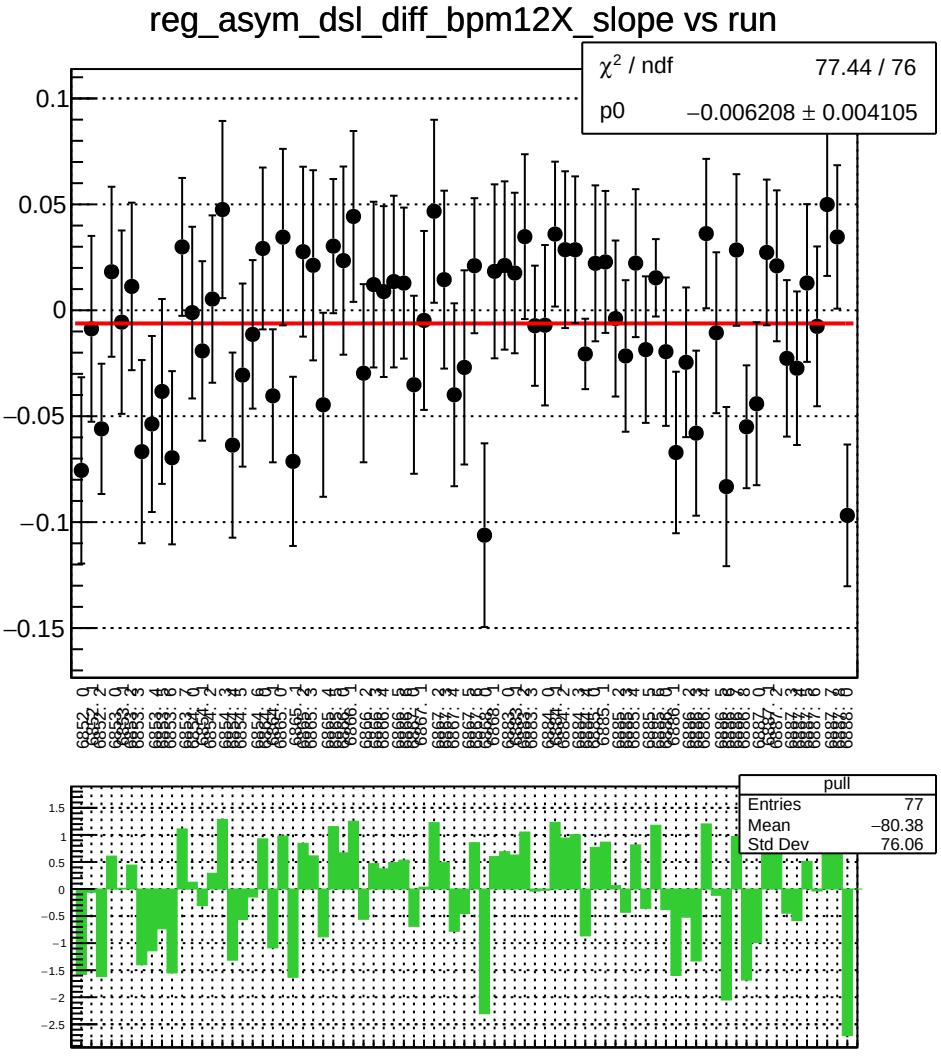

pull1D
Entries 77
Mean 0.004203
Std Dev 1.067

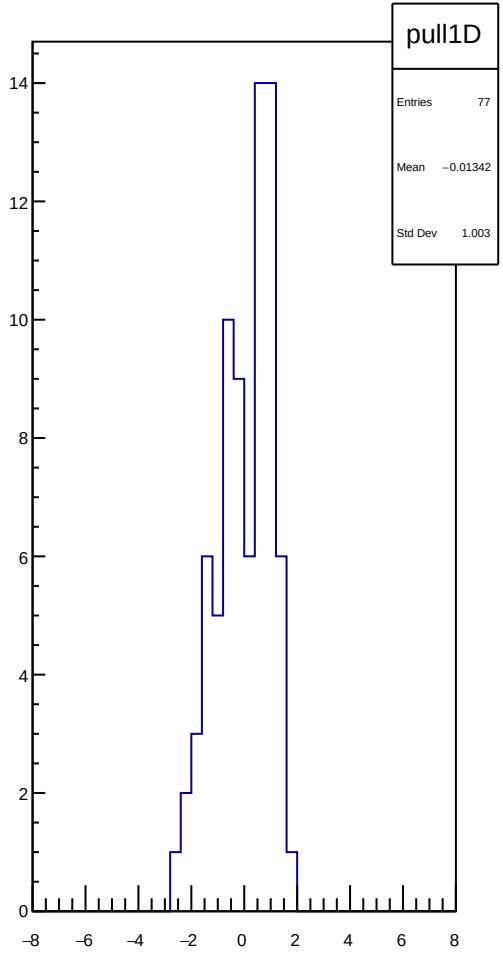

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 80.71 / 76
p0 0.07296 ± 0.09527
pull
Entries 77
Mean −838.2
Std Dev 853.2

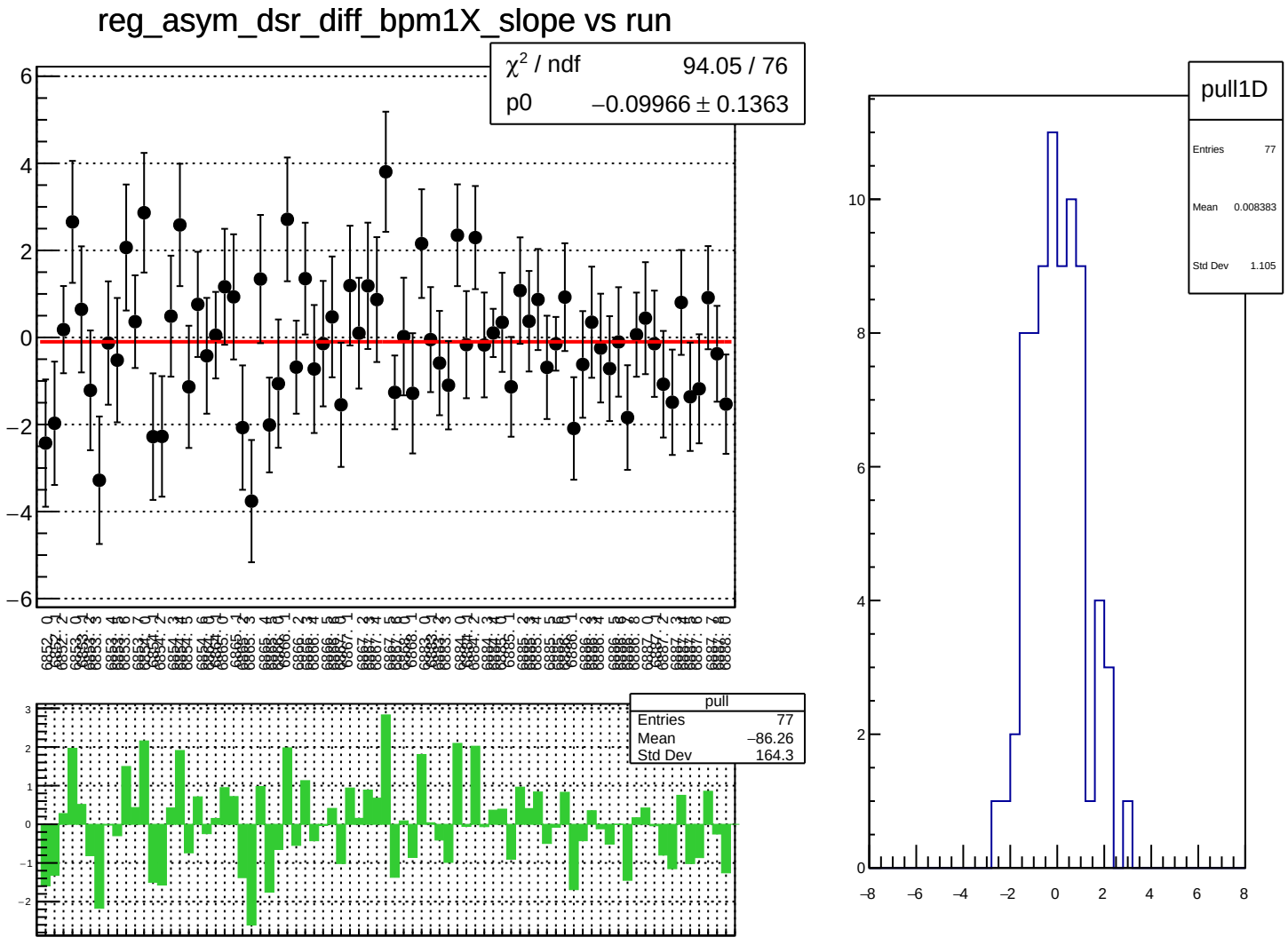

pull1D
Entries 77
Mean 0.001074
Std Dev 1.024


reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 91.4 / 76
p0 0.1524 ± 0.07365
pull
Entries 77
Mean −1.068e+04
Std Dev 1.072e+04

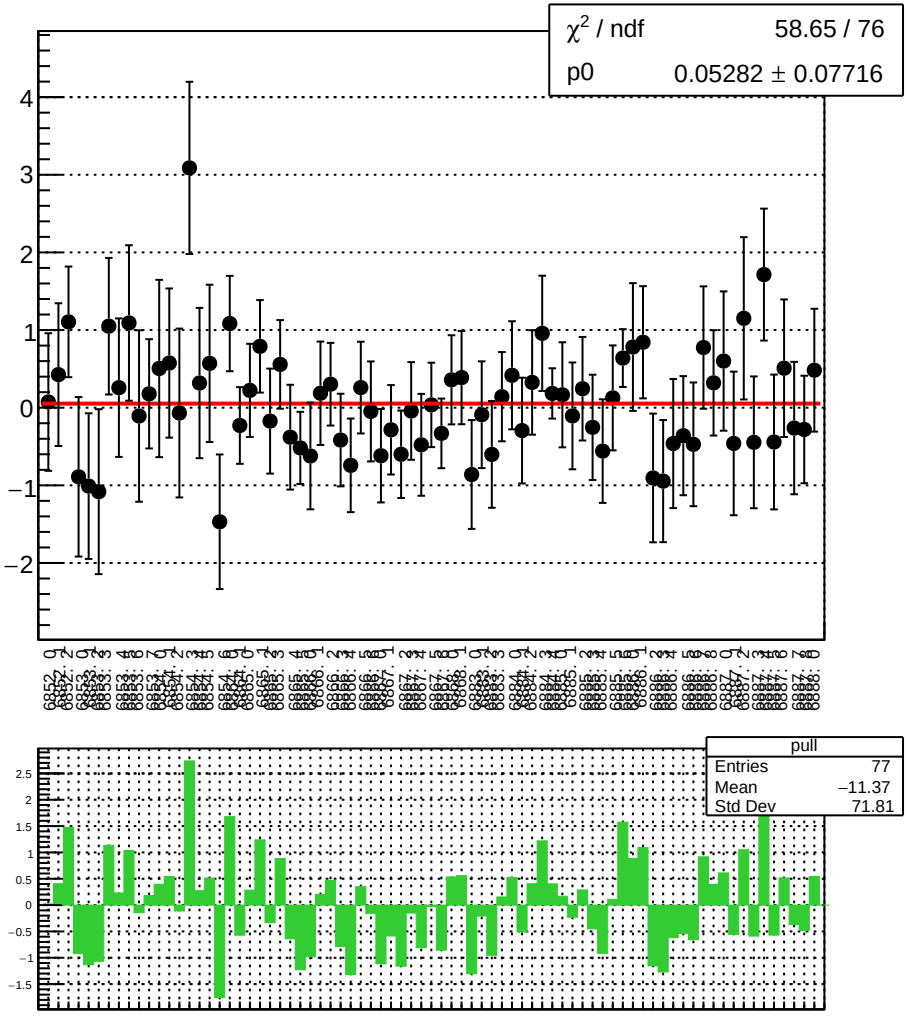

pull1D
Entries 77
Mean −0.0001665
Std Dev 1.089

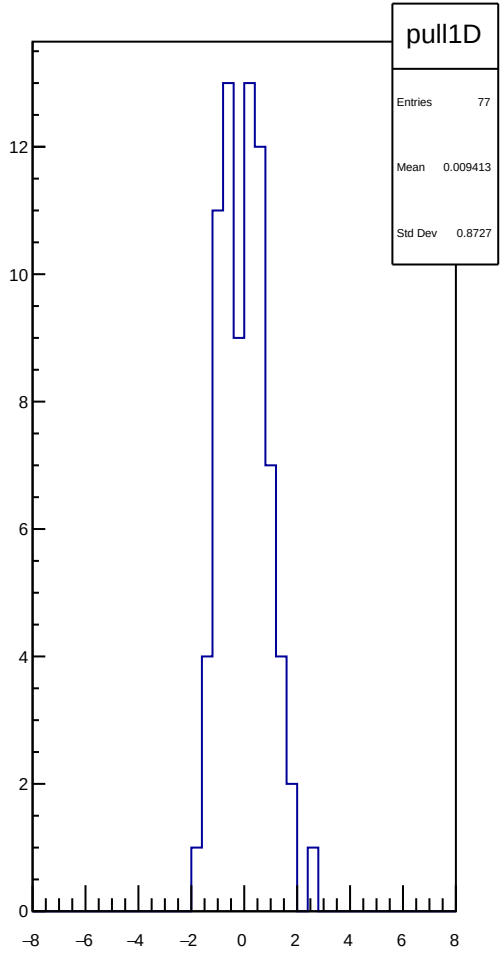

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 77.44 / 76
p0 −0.006208 ± 0.004105
pull
Entries 77
Mean −80.38
Std Dev 76.06

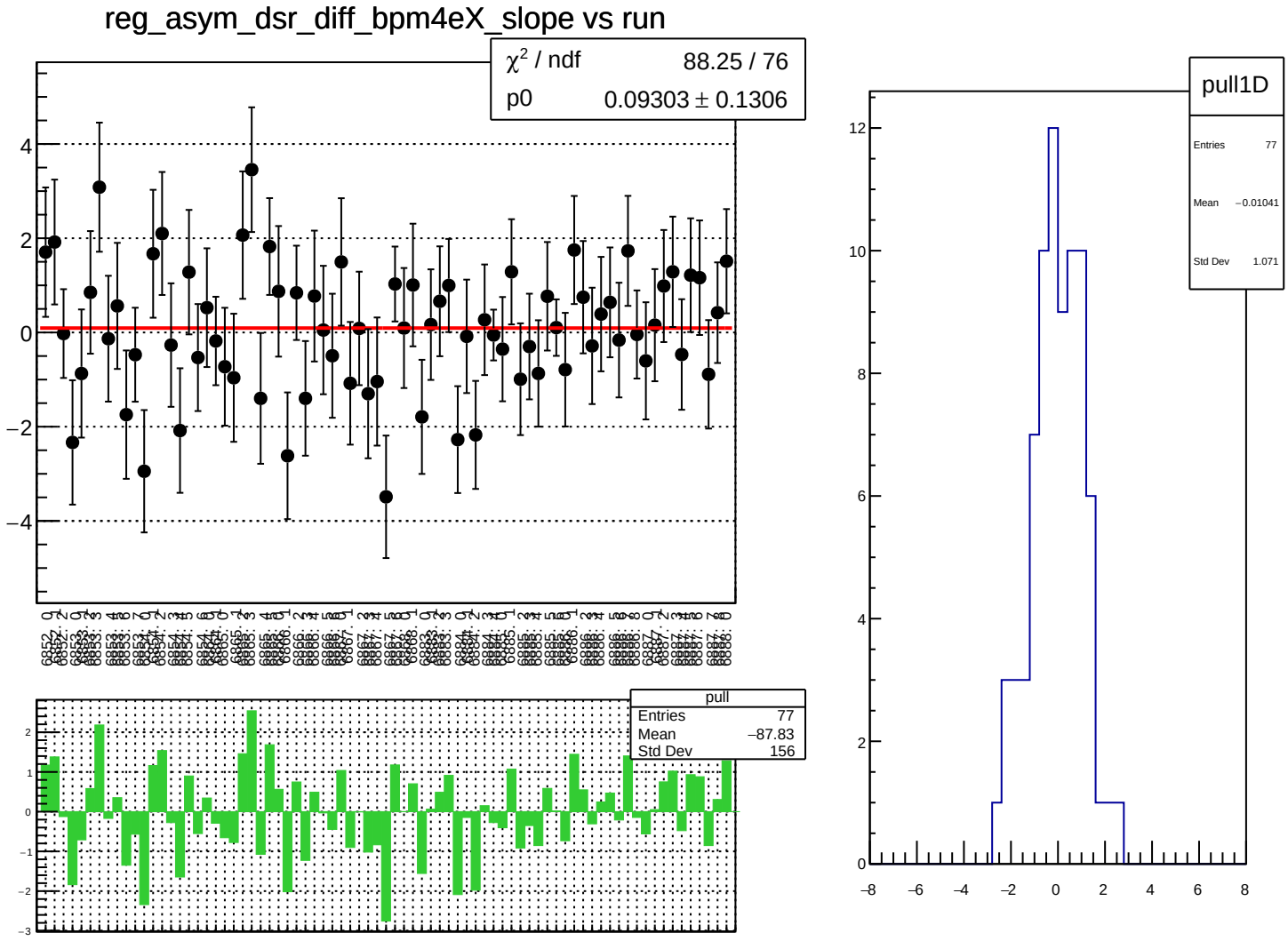

pull1D
Entries 77
Mean −0.01342
Std Dev 1.003

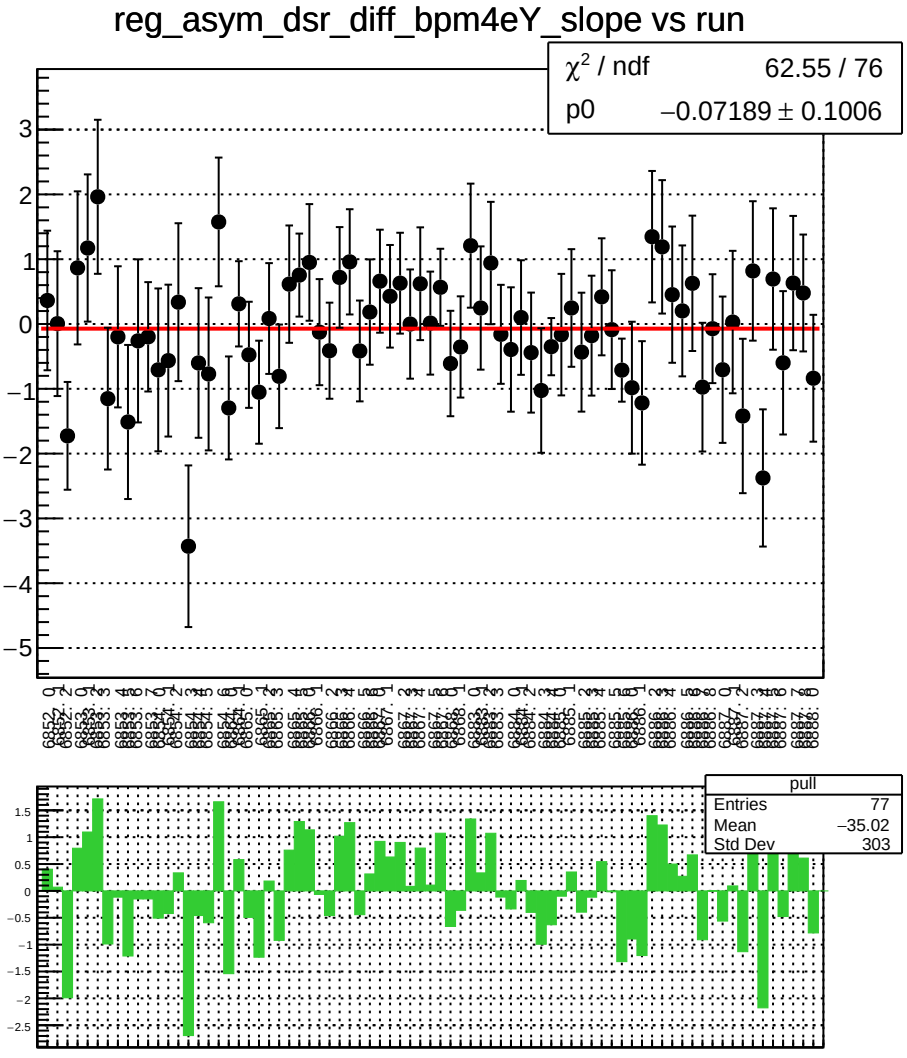

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 94.05 / 76
p0 −0.09966 ± 0.1363
pull
Entries 77
Mean −86.26
Std Dev 164.3
pull1D
Entries 77
Mean 0.008383
Std Dev 1.105

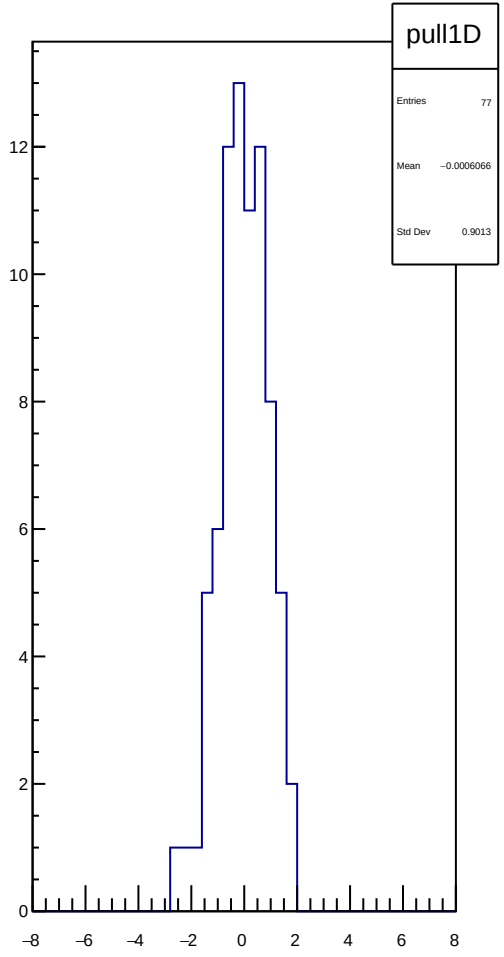
reg_asym_dsr_diff_bpm4aY_slope vs run

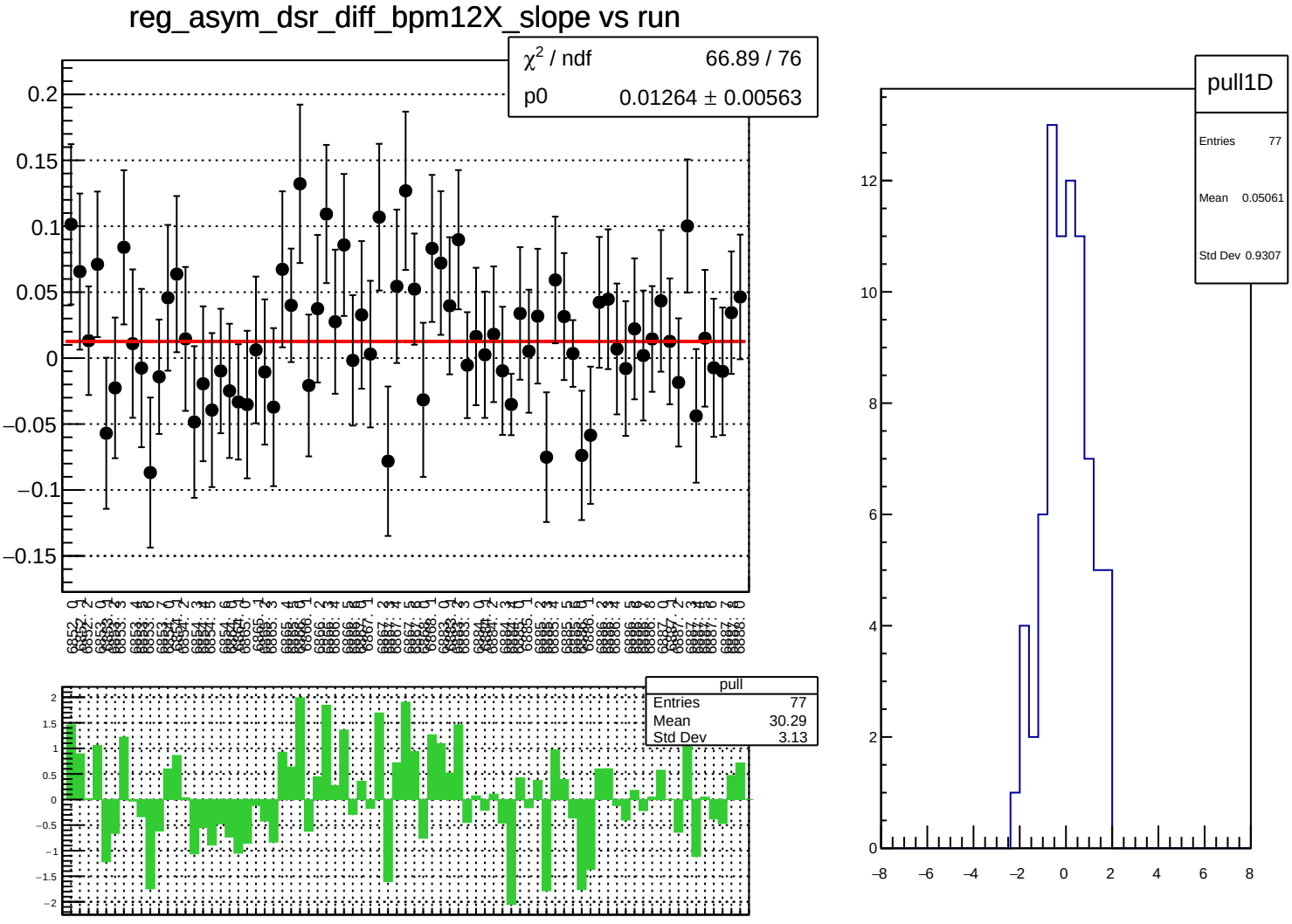


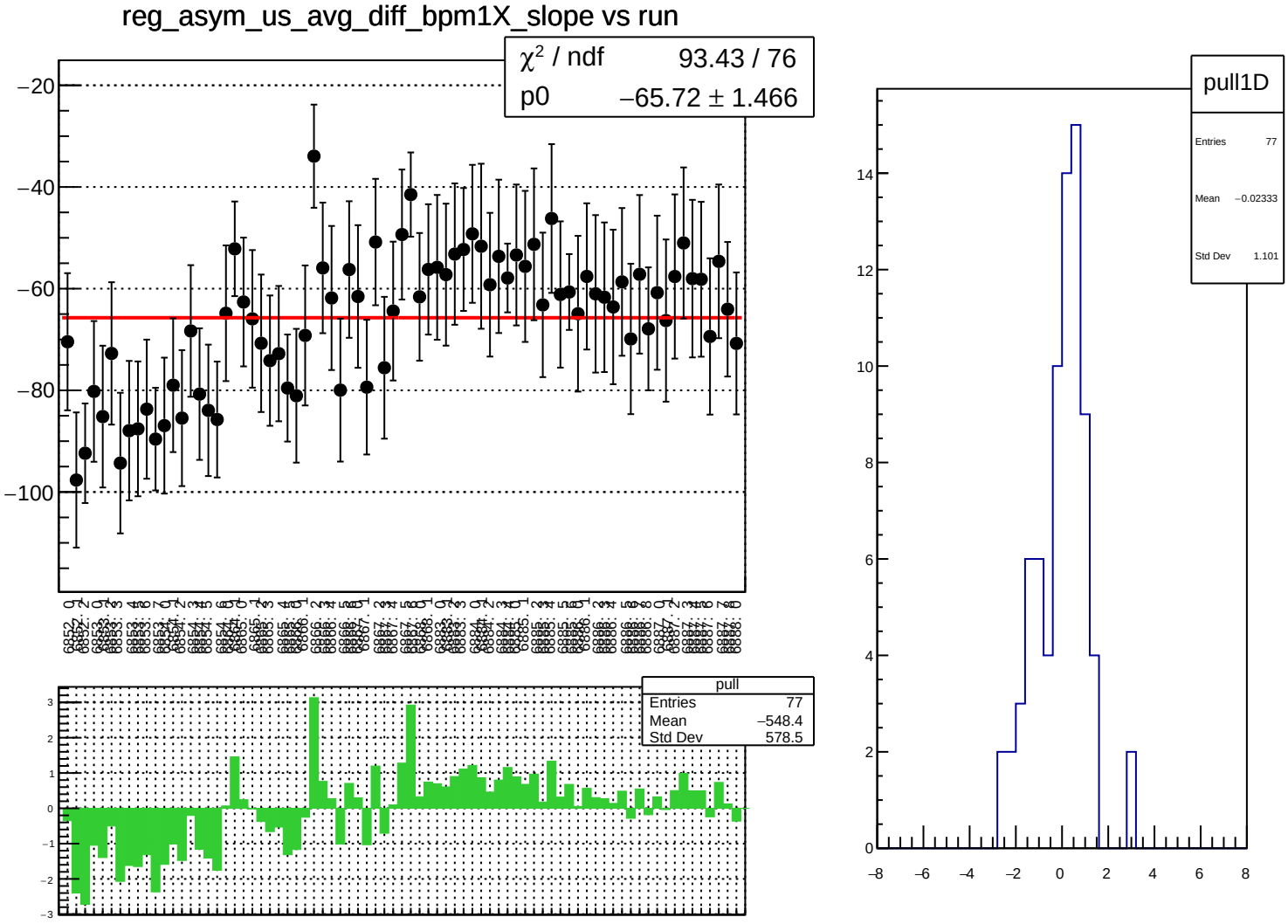


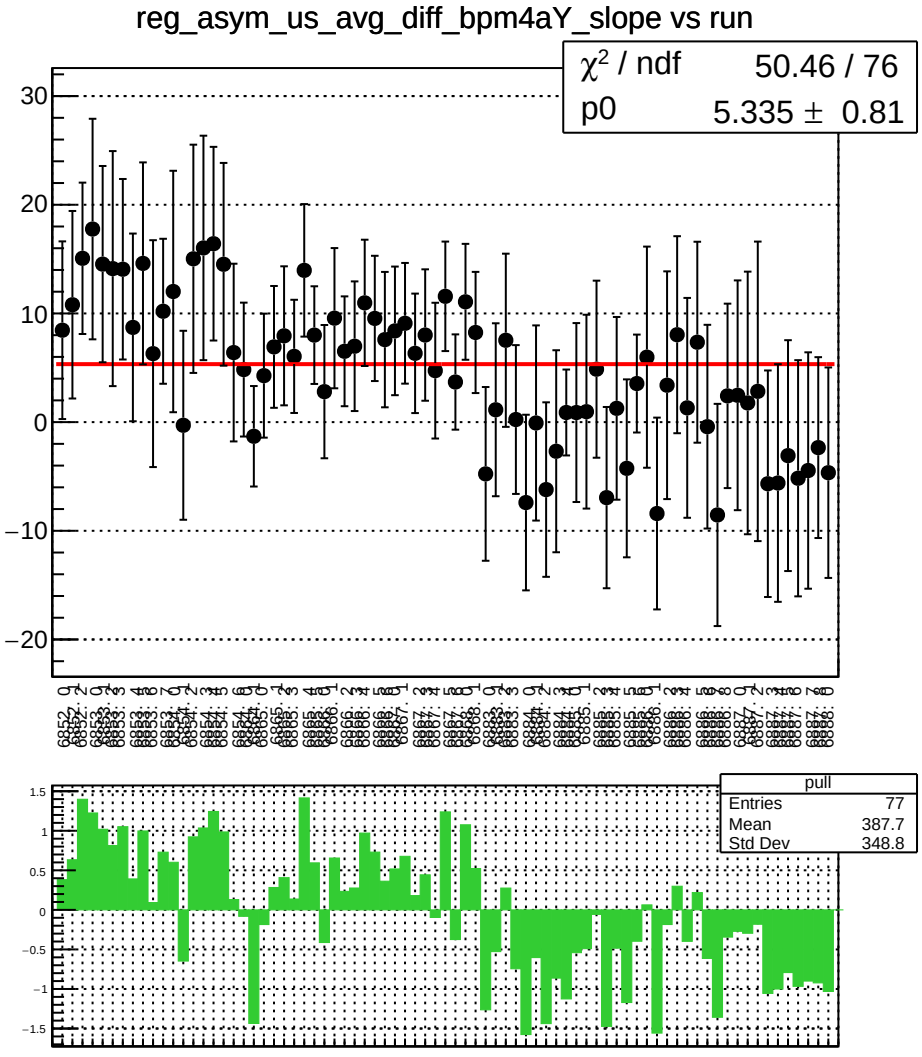

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 88.25 / 76
p0 0.09303 ± 0.1306
pull
Entries 77
Mean −87.83
Std Dev 156
pull1D
Entries 77
Mean −0.01041
Std Dev 1.071

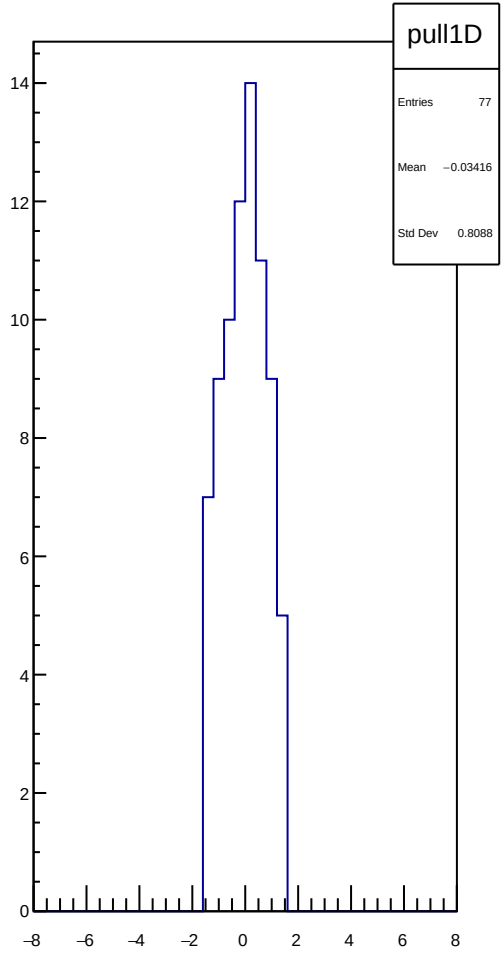

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 62.55 / 76
p0 −0.07189 ± 0.1006
pull
Entries 77
Mean −35.02
Std Dev 303

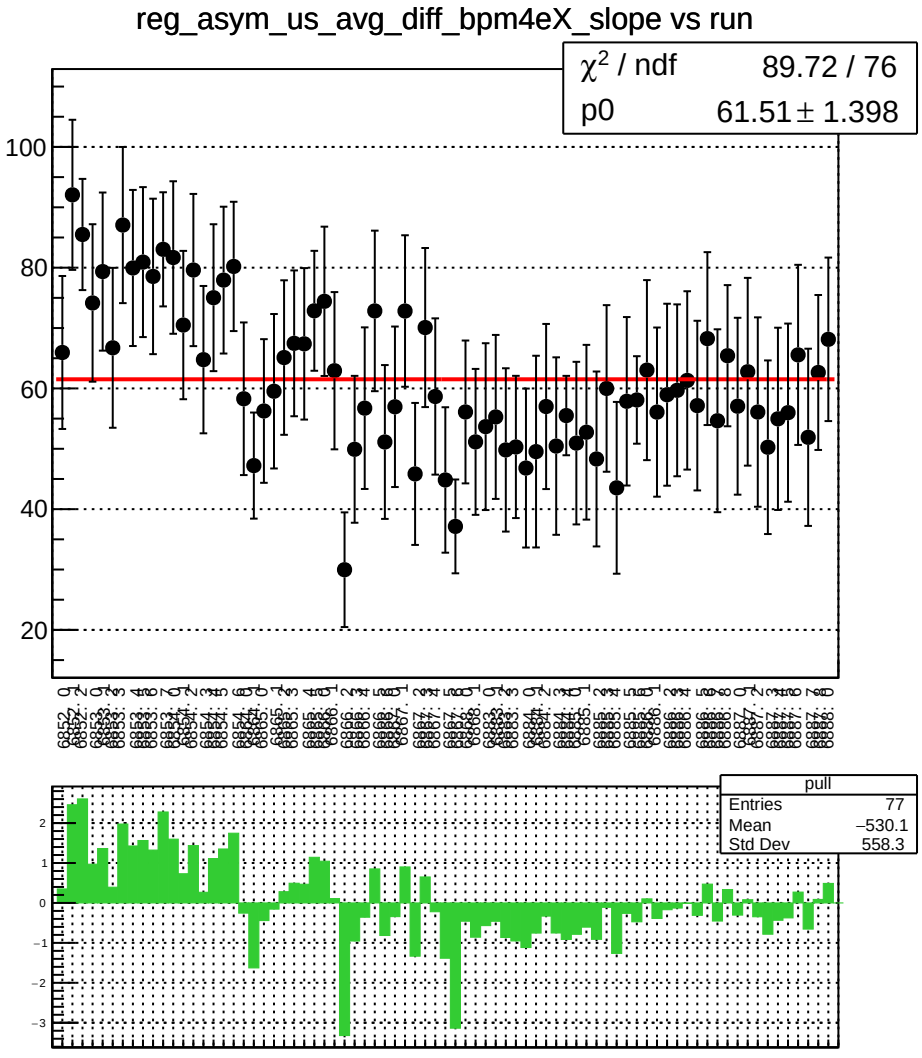

pull1D
Entries 77
Mean −0.0006066
Std Dev 0.9013

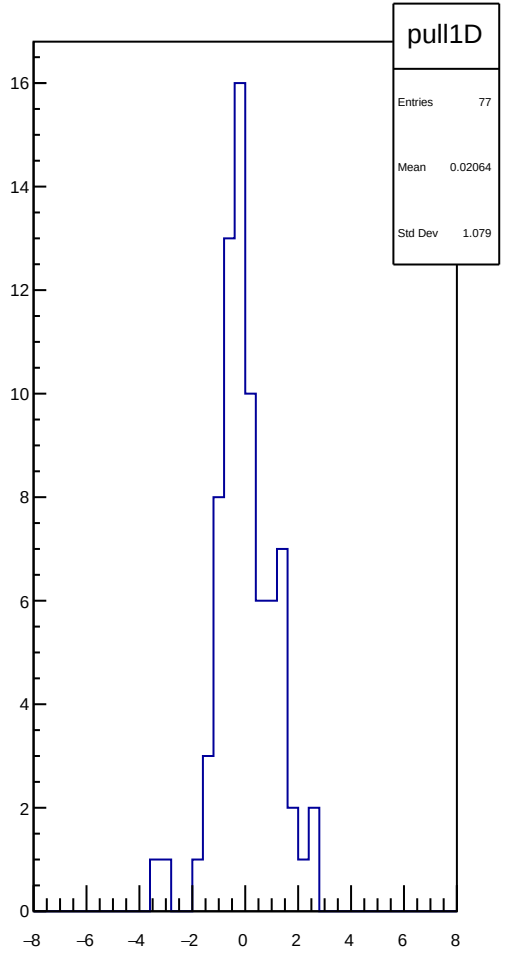

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 66.89 / 76
p0 0.01264 ± 0.00563
pull
Entries 77
Mean 30.29
Std Dev 3.13
pull1D
Entries 77
Mean 0.05061
Std Dev 0.9307

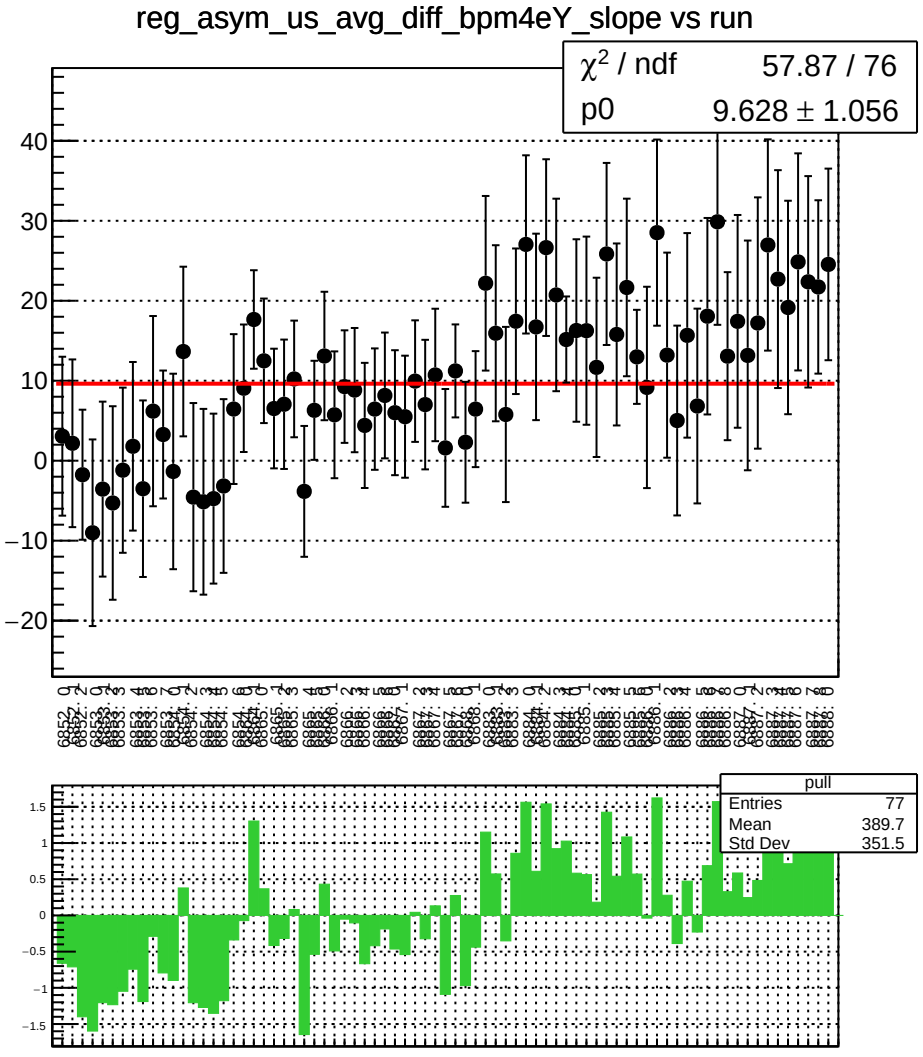

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 93.43 / 76
p0 −65.72 ± 1.466
pull
Entries 77
Mean −548.4
Std Dev 578.5
pull1D
Entries 77
Mean −0.02333
Std Dev 1.101

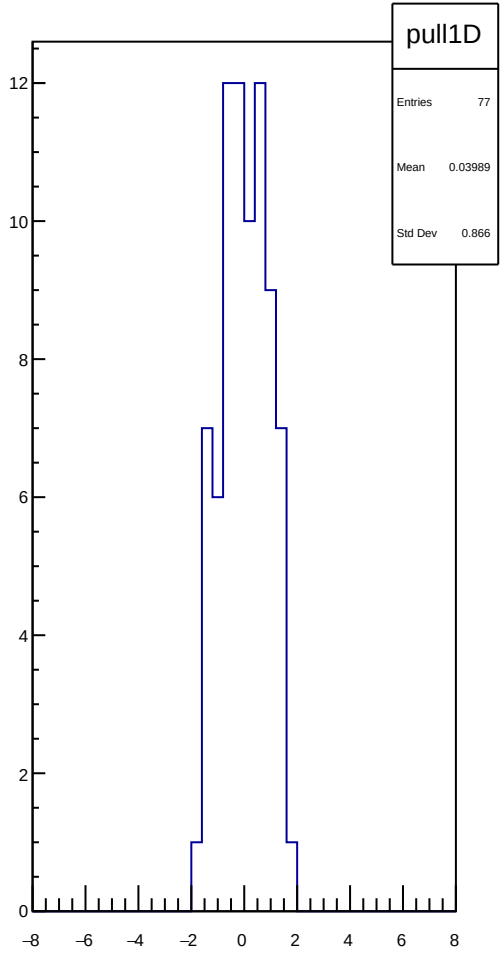

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.46 / 76
p0 5.335 ± 0.81
pull
Entries 77
Mean 387.7
Std Dev 348.8

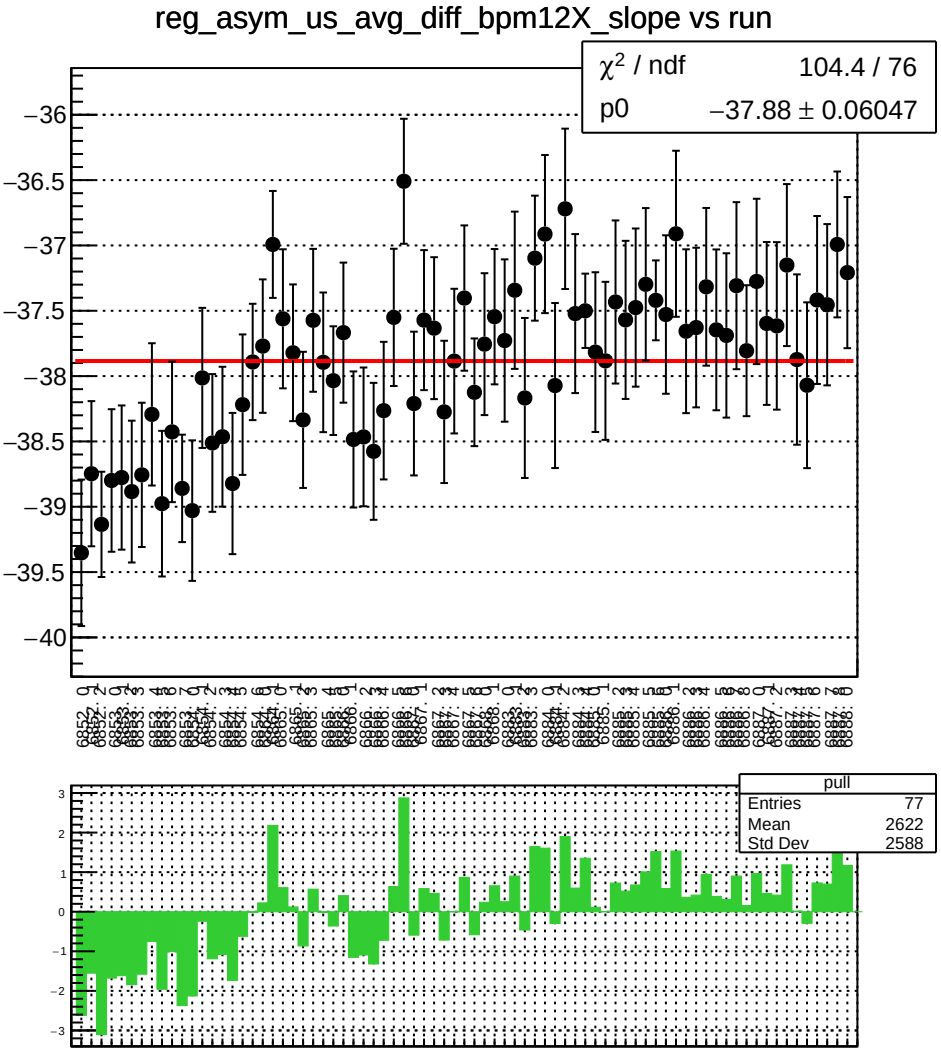

pull1D
Entries 77
Mean −0.03416
Std Dev 0.8088

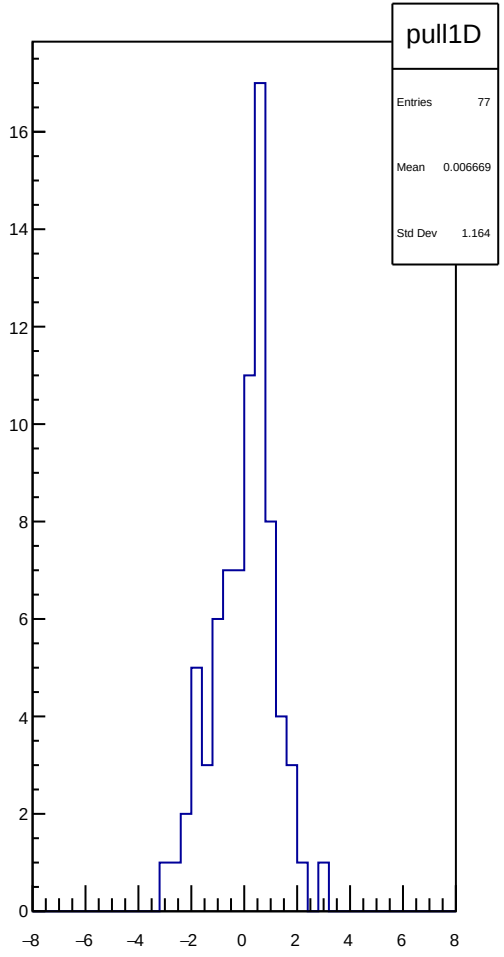

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 89.72 / 76
p0 61.51 ± 1.398
pull
Entries 77
Mean −530.1
Std Dev 558.3

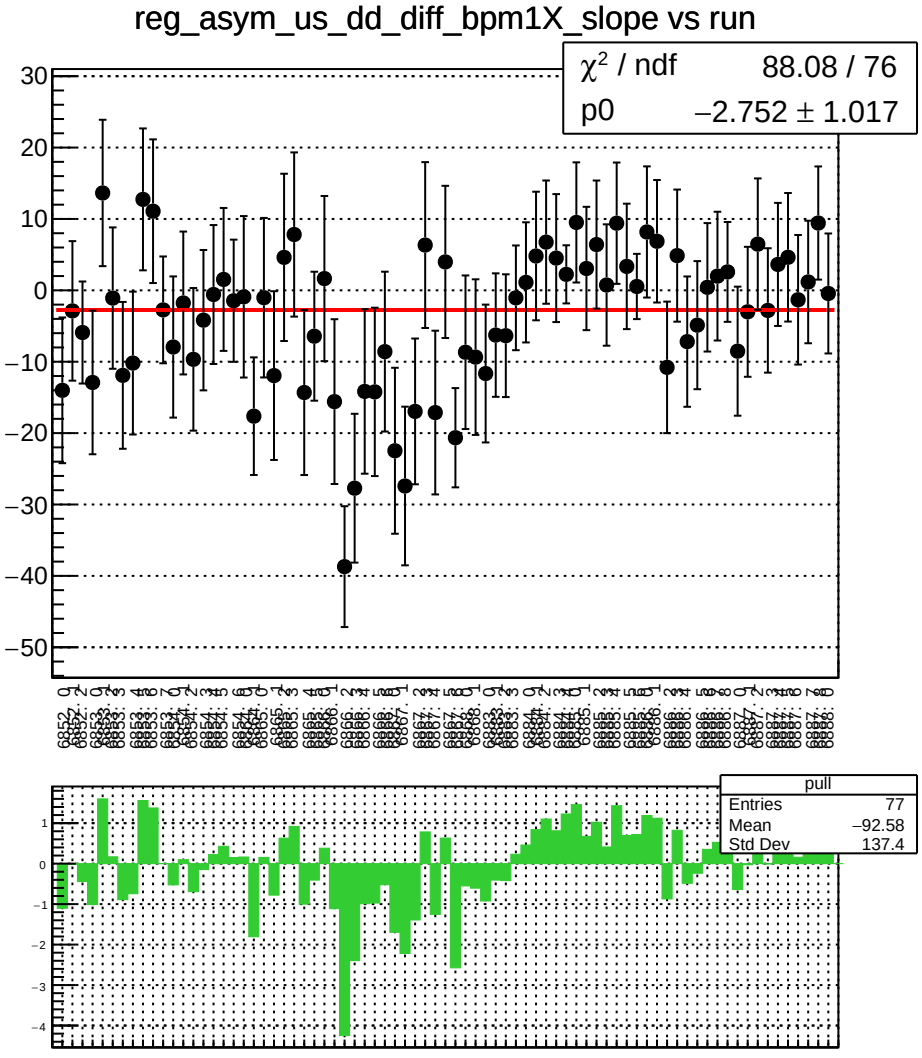

pull1D
Entries 77
Mean 0.02064
Std Dev 1.079

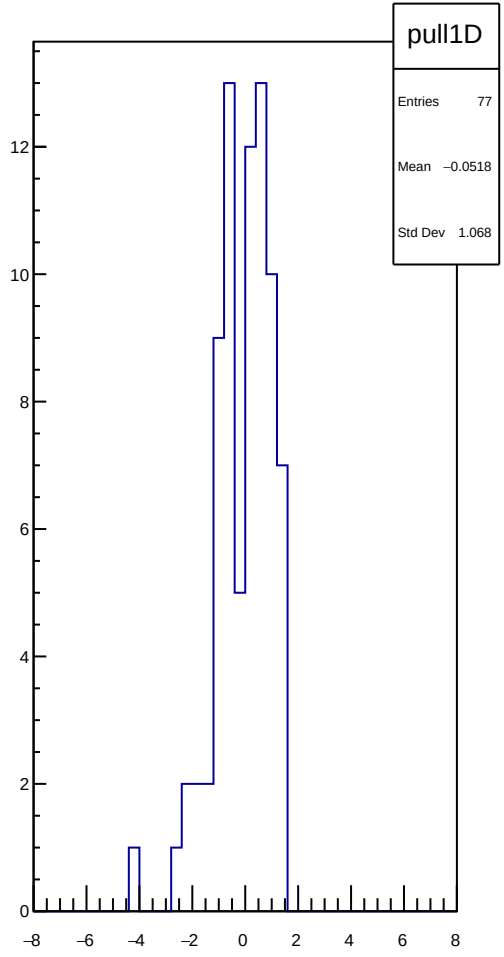

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 57.87 / 76
p0 9.628 ± 1.056
pull
Entries 77
Mean 389.7
Std Dev 351.5

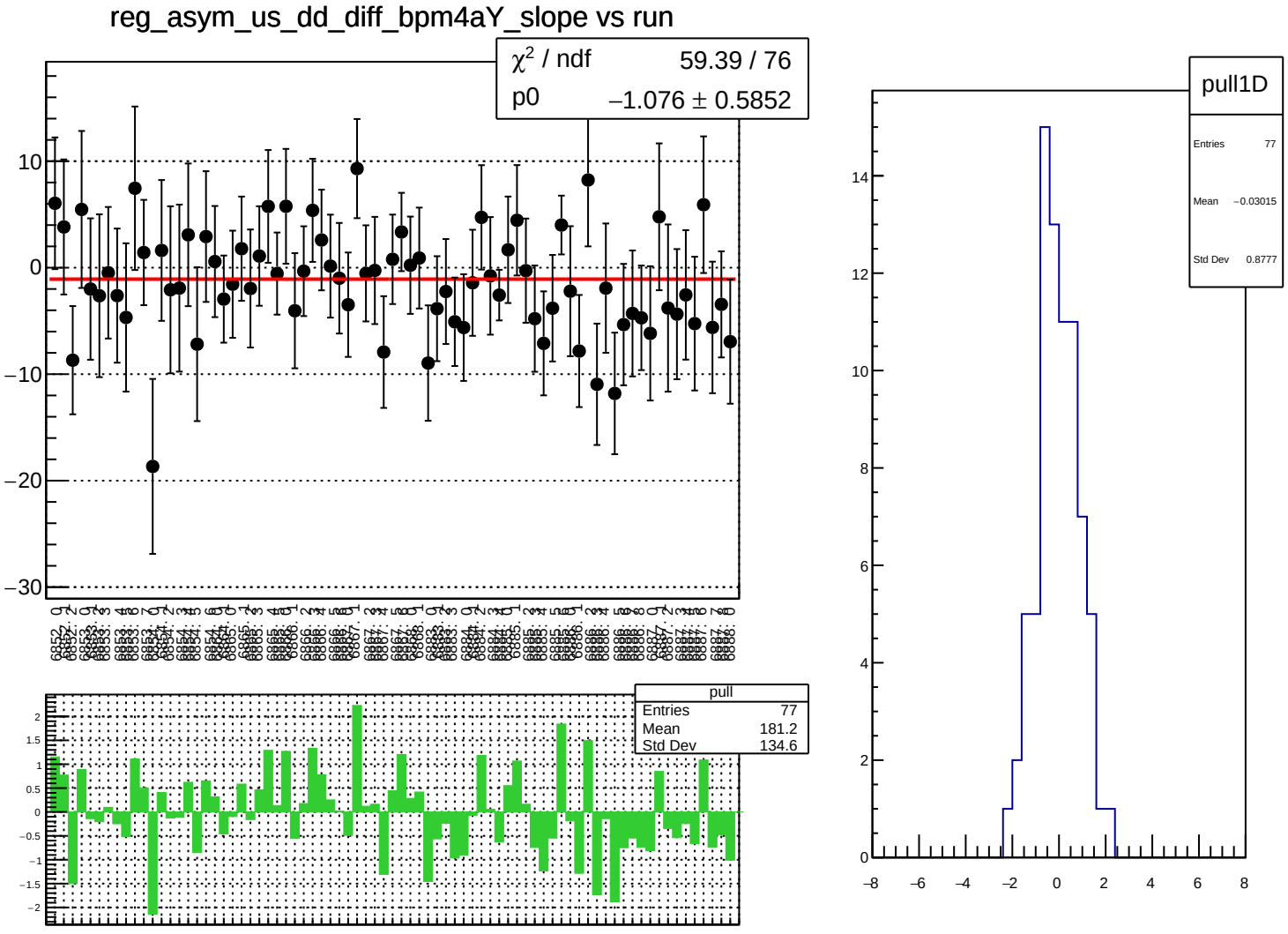

pull1D
Entries 77
Mean 0.03989
Std Dev 0.866

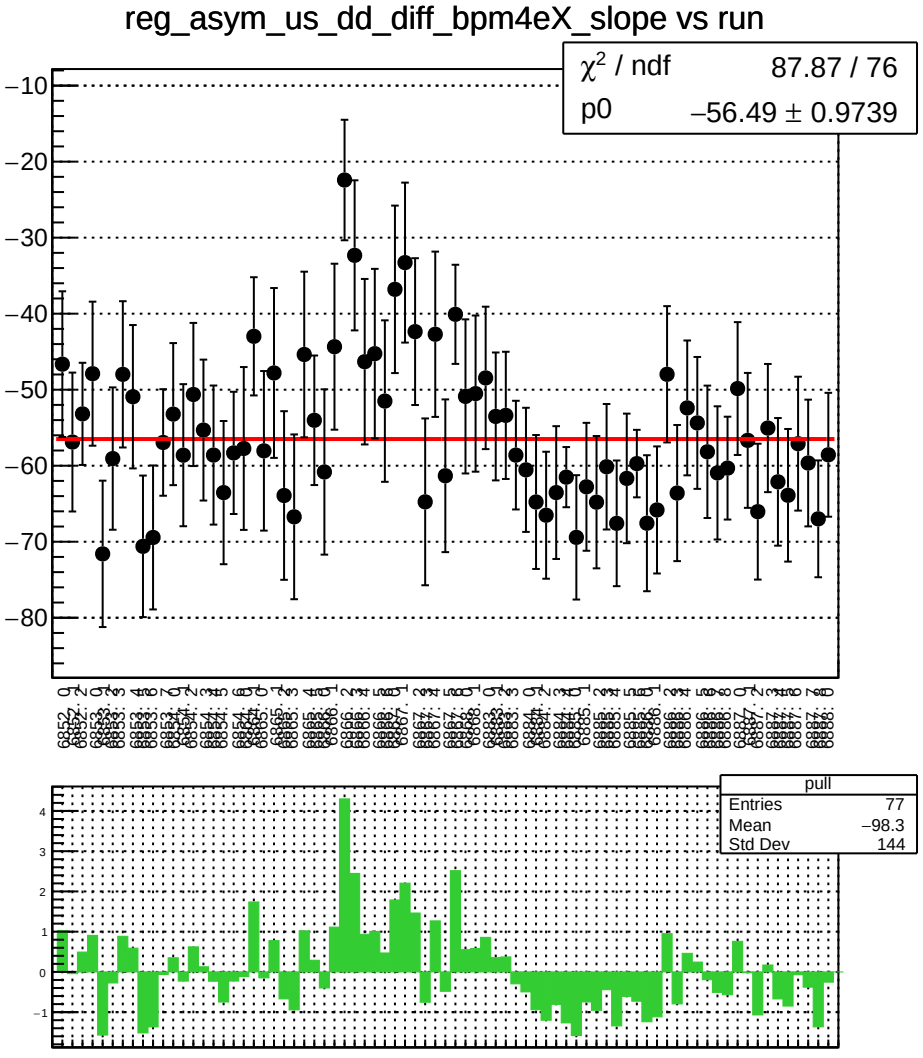

reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 104.4 / 76
p0 −37.88 ± 0.06047
pull
Entries 77
Mean 2622
Std Dev 2588

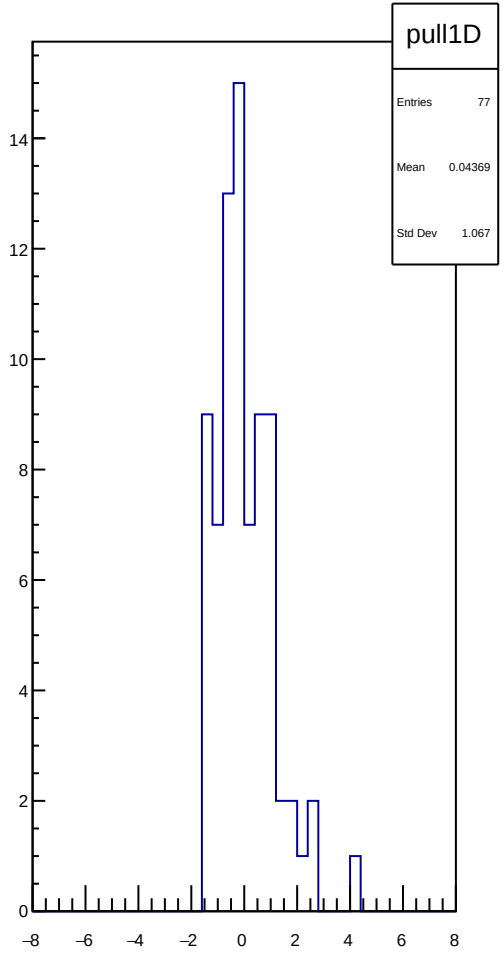

pull1D
Entries 77
Mean 0.006669
Std Dev 1.164

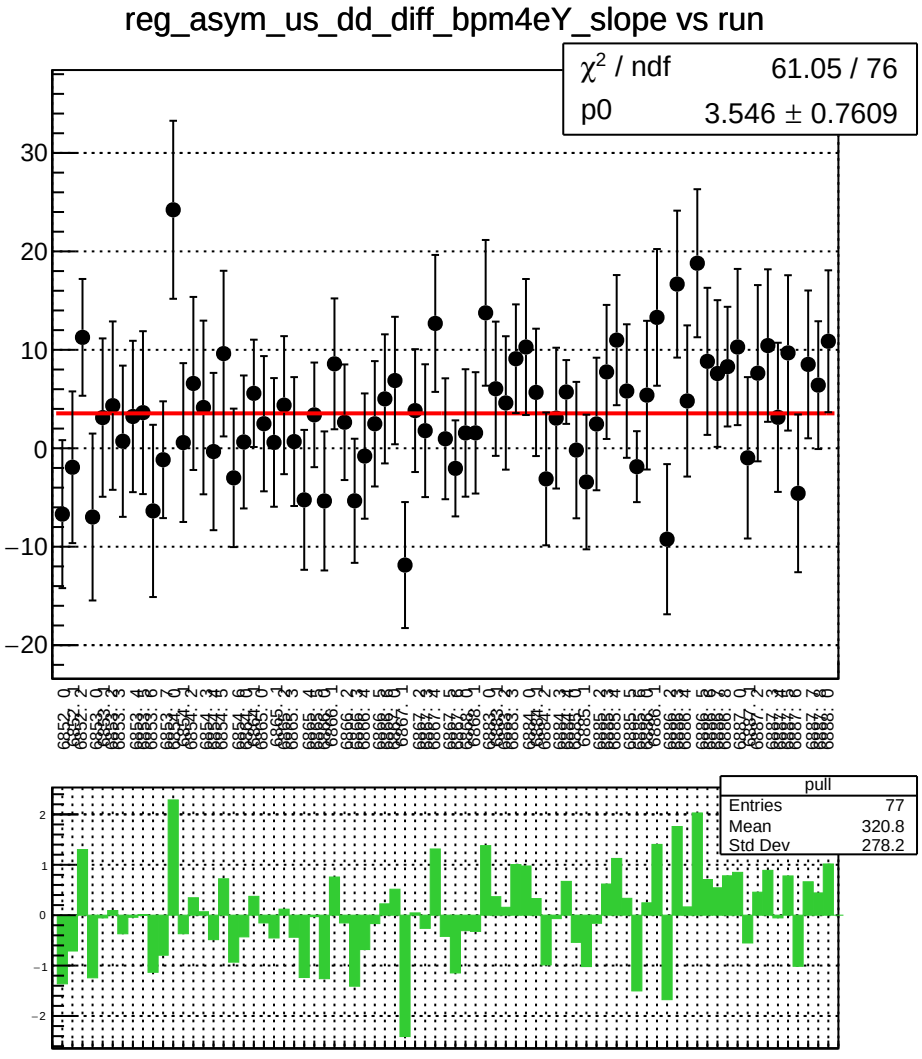

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 88.08 / 76
p0 −2.752 ± 1.017
pull
Entries 77
Mean −92.58
Std Dev 137.4

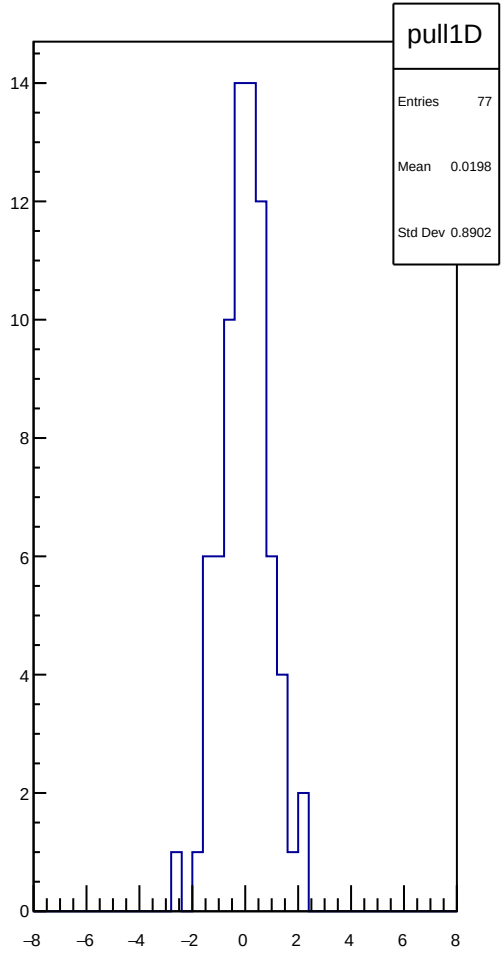

pull1D
Entries 77
Mean −0.0518
Std Dev 1.068

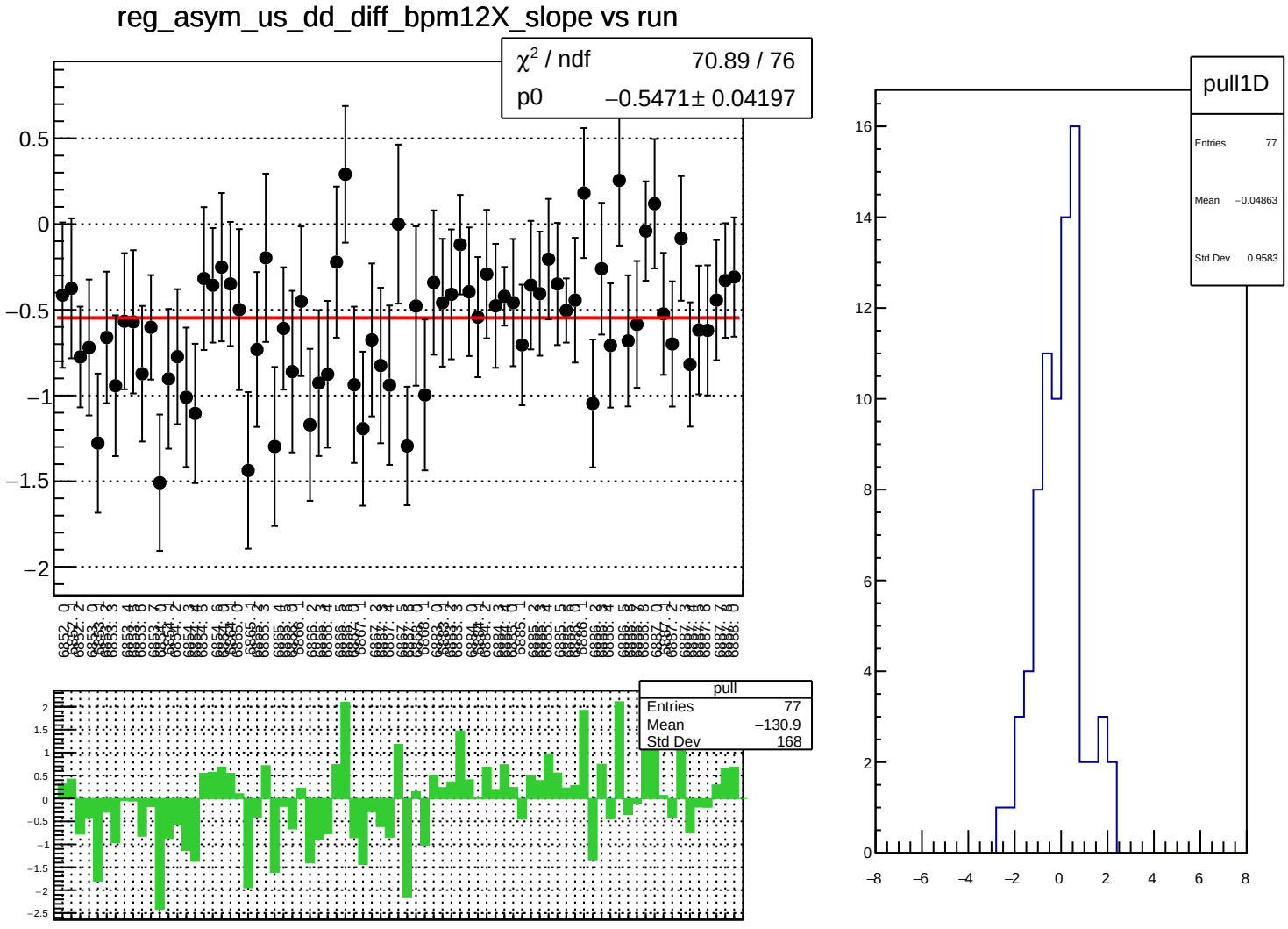

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 59.39 / 76
p0 −1.076 ± 0.5852
pull
Entries 77
Mean 181.2
Std Dev 134.6
pull1D
Entries 77
Mean −0.03015
Std Dev 0.8777

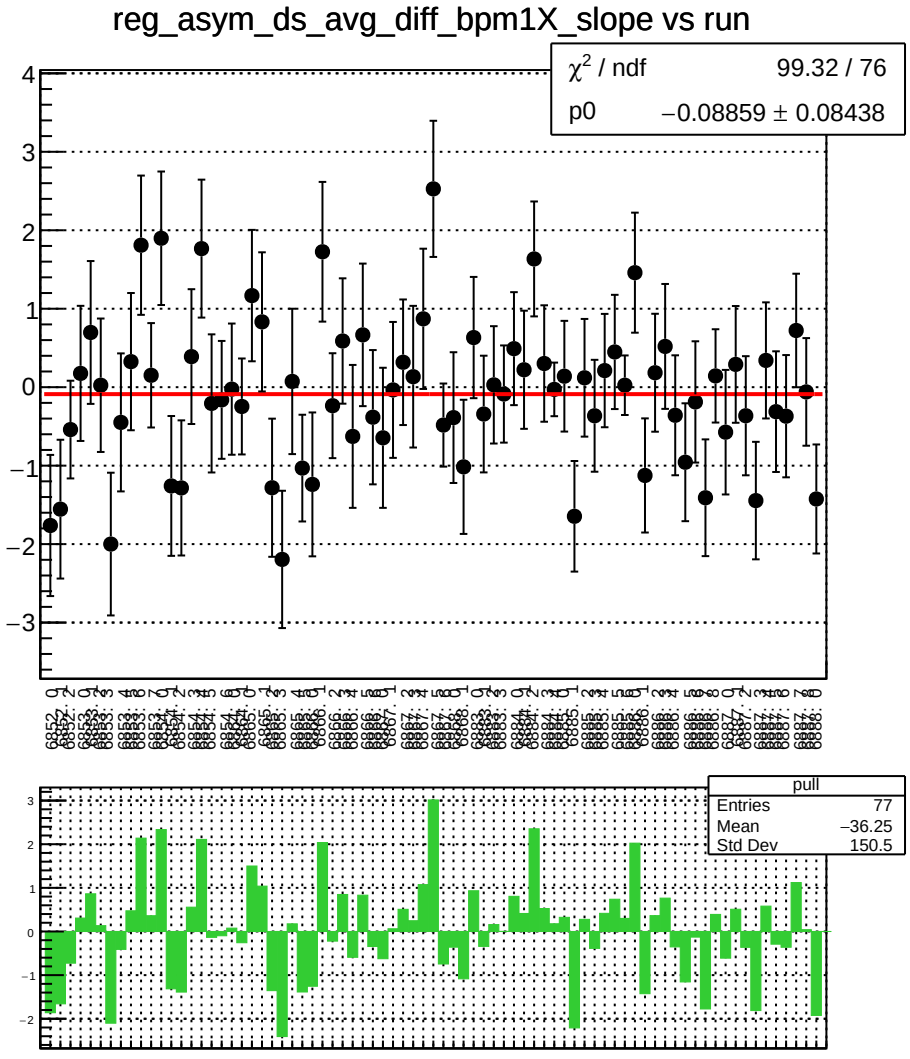

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.87 / 76
p0 −56.49 ± 0.9739
pull
Entries 77
Mean −98.3
Std Dev 144

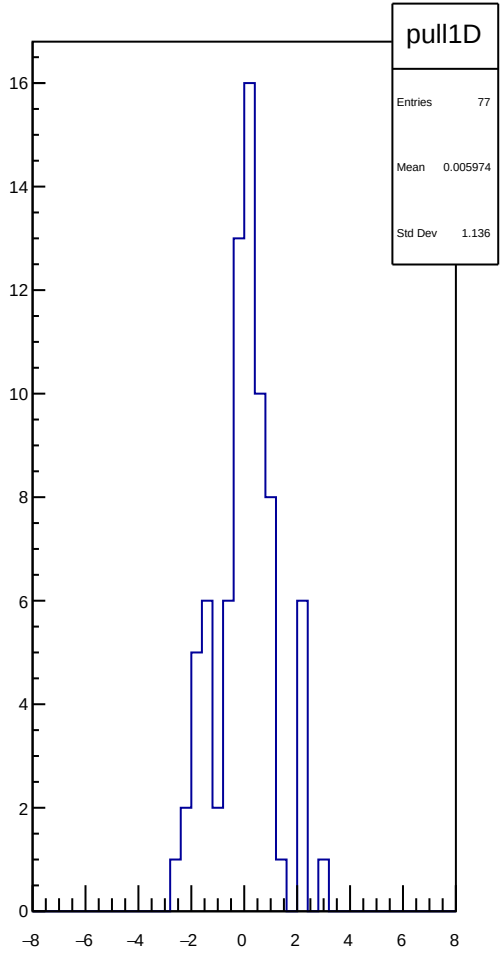

pull1D
Entries 77
Mean 0.04369
Std Dev 1.067

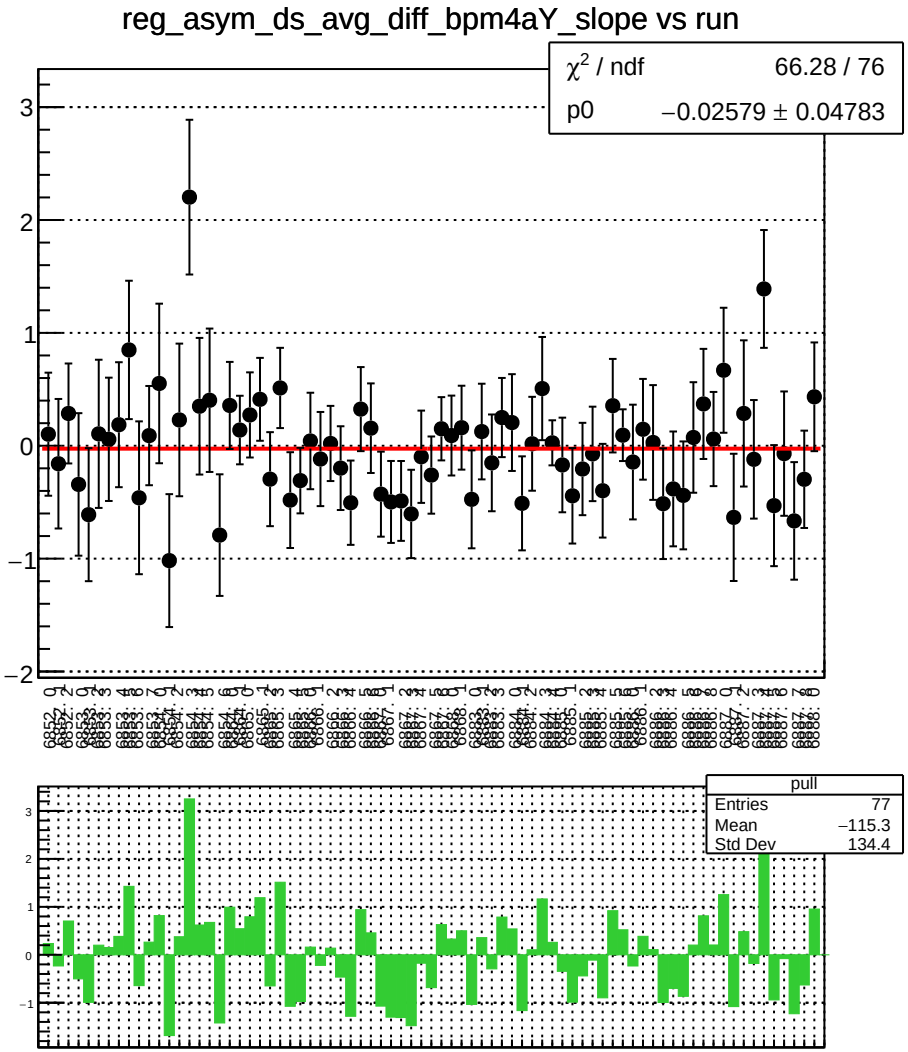

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 61.05 / 76
p0 3.546 ± 0.7609
pull
Entries 77
Mean 320.8
Std Dev 278.2

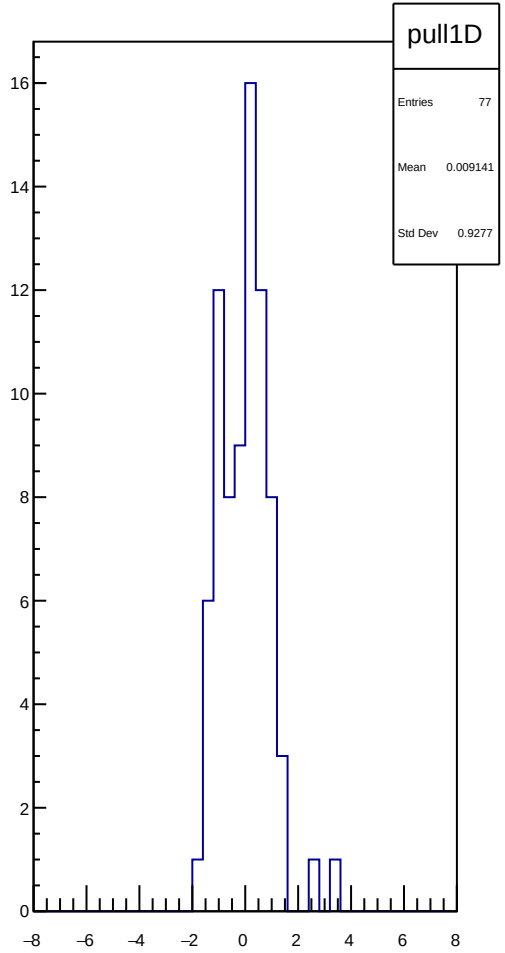

pull1D
Entries 77
Mean 0.0198
Std Dev 0.8902

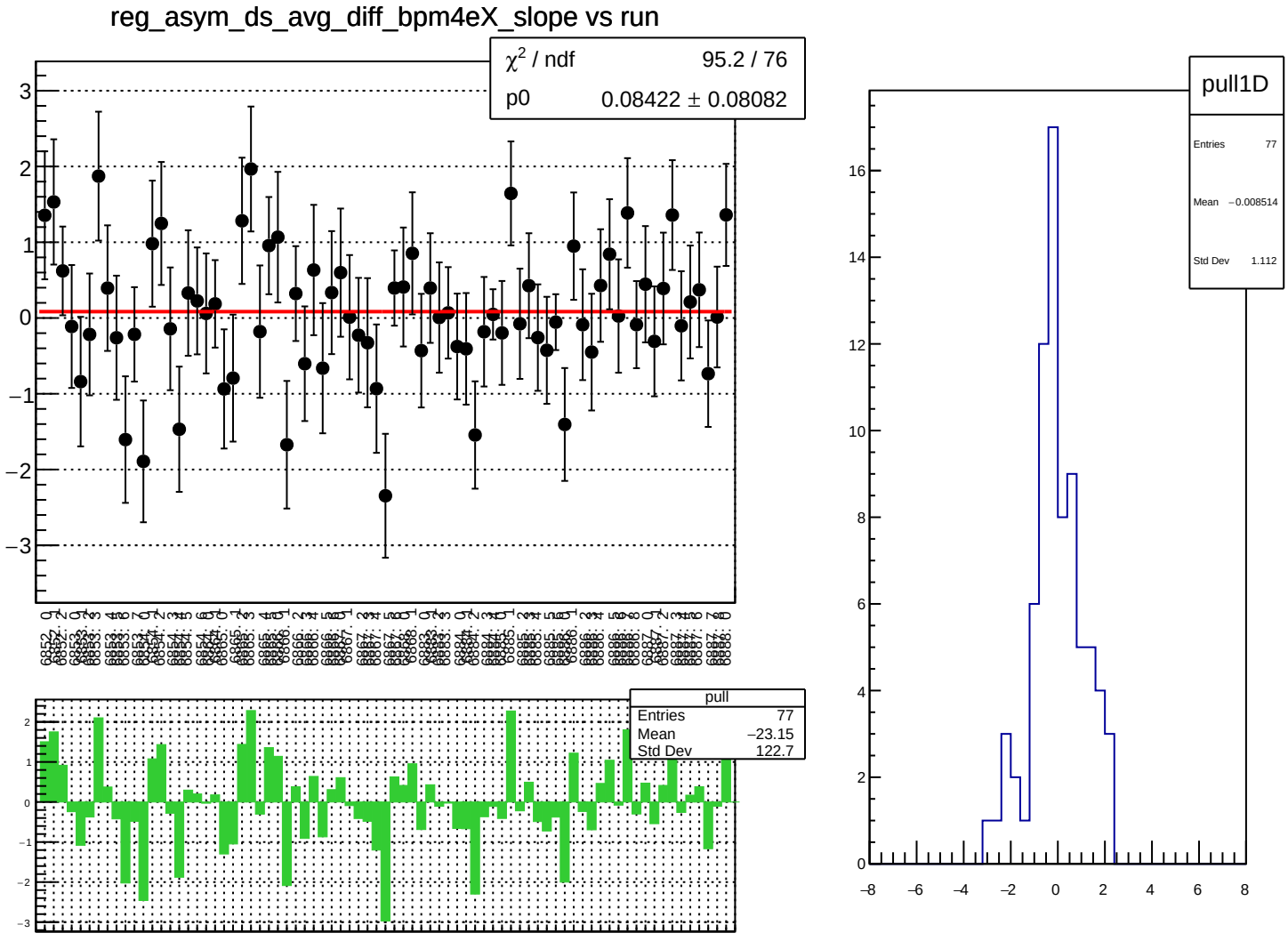

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 70.89 / 76
p0 −0.5471± 0.04197
pull
Entries 77
Mean −130.9
Std Dev 168
pull1D
Entries 77
Mean −0.04863
Std Dev 0.9583

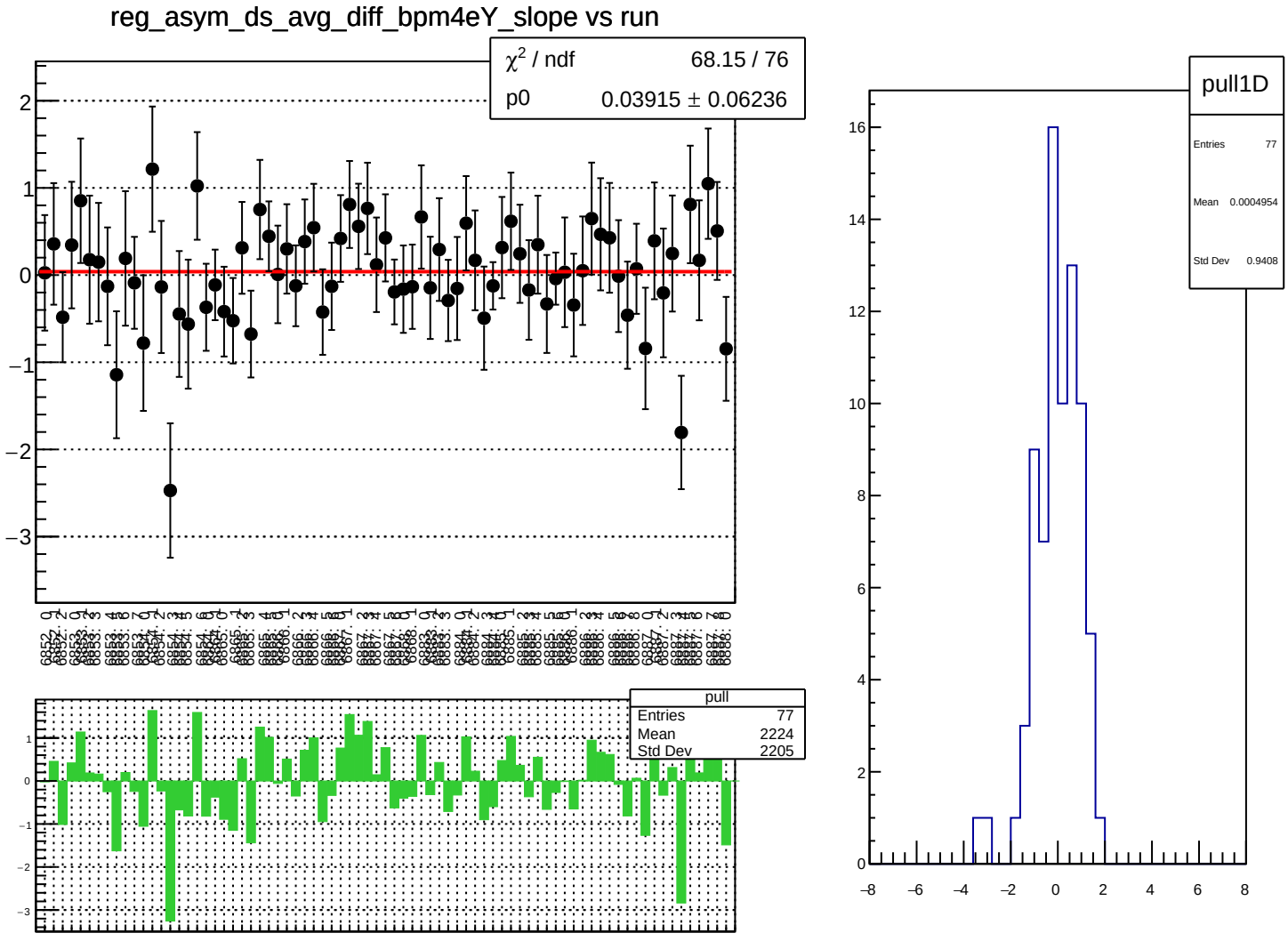

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 99.32 / 76
p0 −0.08859 ± 0.08438
pull
Entries 77
Mean −36.25
Std Dev 150.5

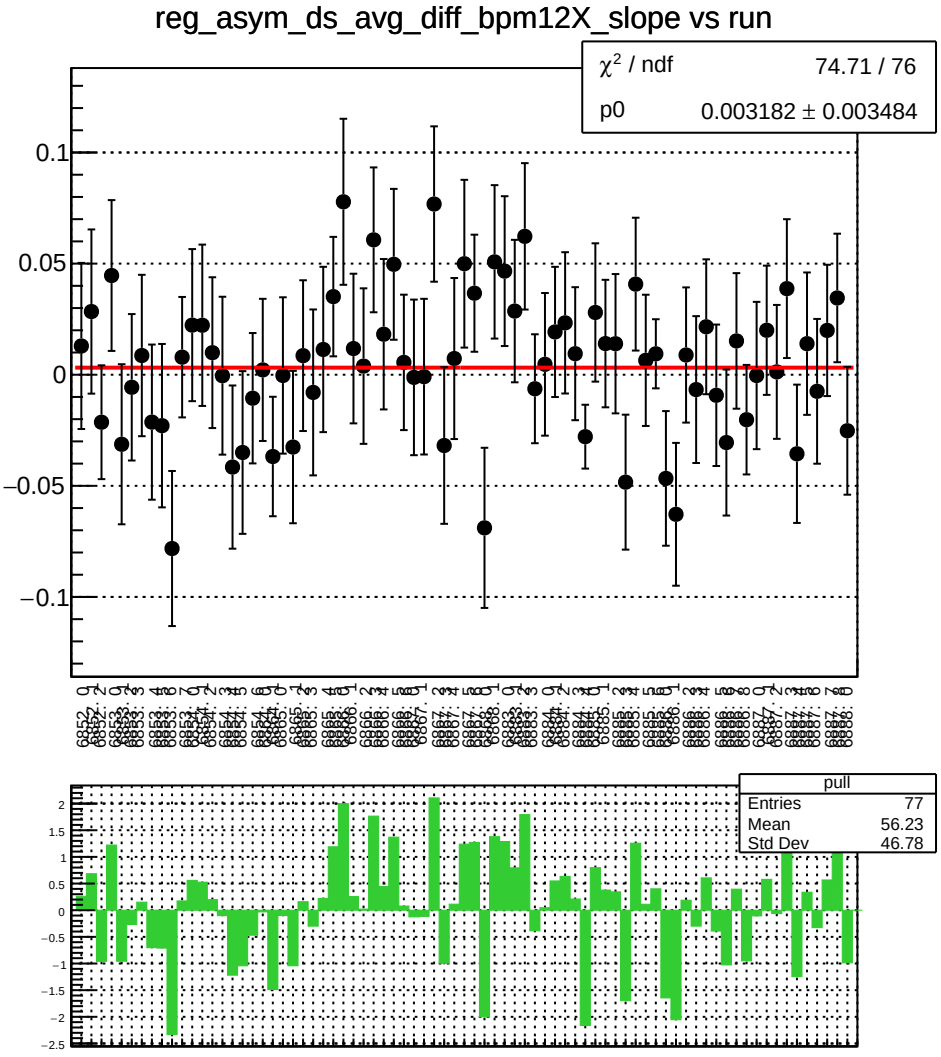

pull1D
Entries 77
Mean 0.005974
Std Dev 1.136

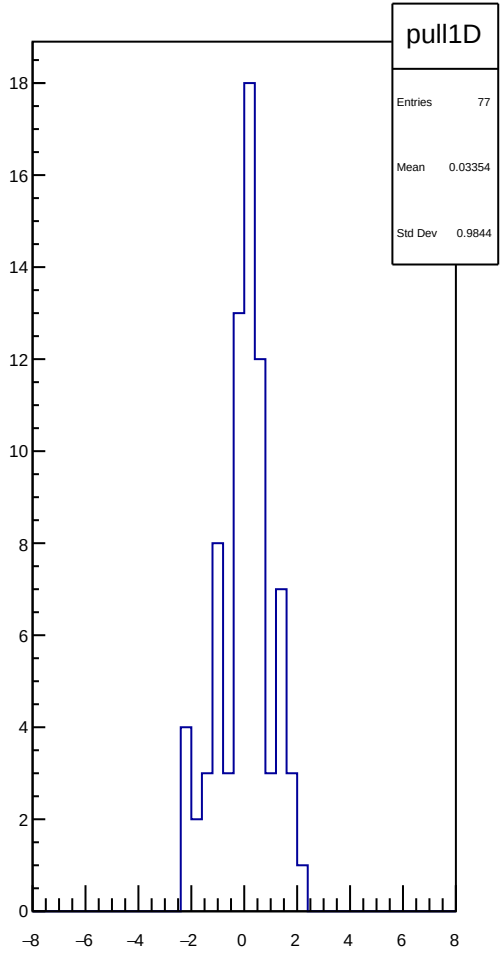

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 66.28 / 76
p0 −0.02579 ± 0.04783
pull
Entries 77
Mean −115.3
Std Dev 134.4


pull1D
Entries 77
Mean 0.009141
Std Dev 0.9277

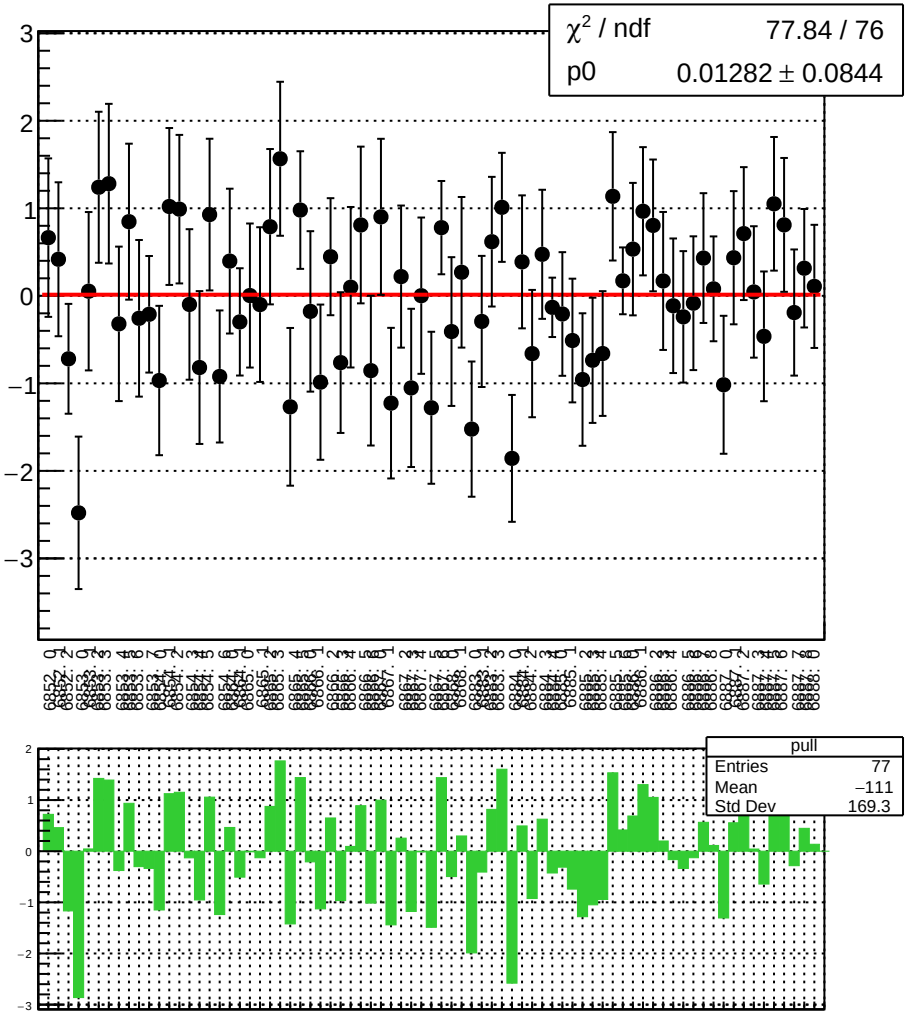

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 95.2 / 76
p0 0.08422 ± 0.08082
pull
Entries 77
Mean −23.15
Std Dev 122.7
pull1D
Entries 77
Mean −0.008514
Std Dev 1.112

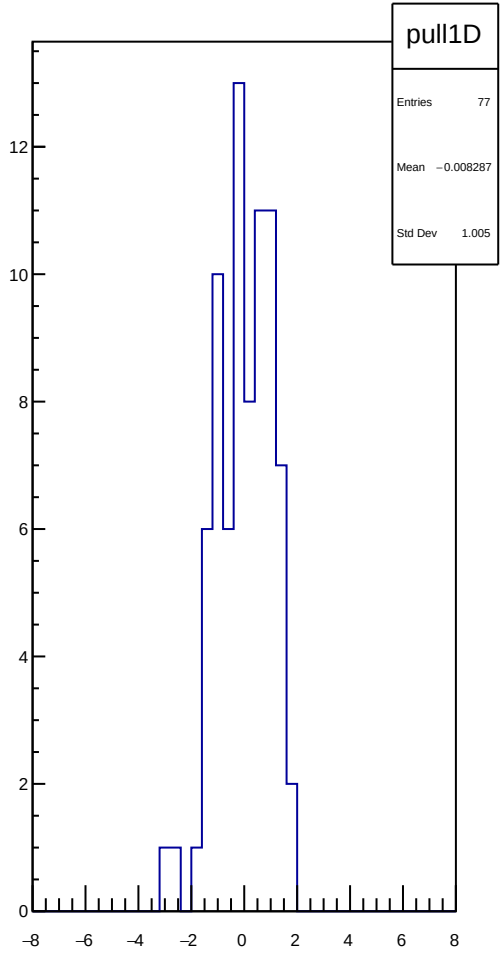

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 68.15 / 76
p0 0.03915 ± 0.06236
pull
Entries 77
Mean 2224
Std Dev 2205
pull1D
Entries 77
Mean 0.0004954
Std Dev 0.9408

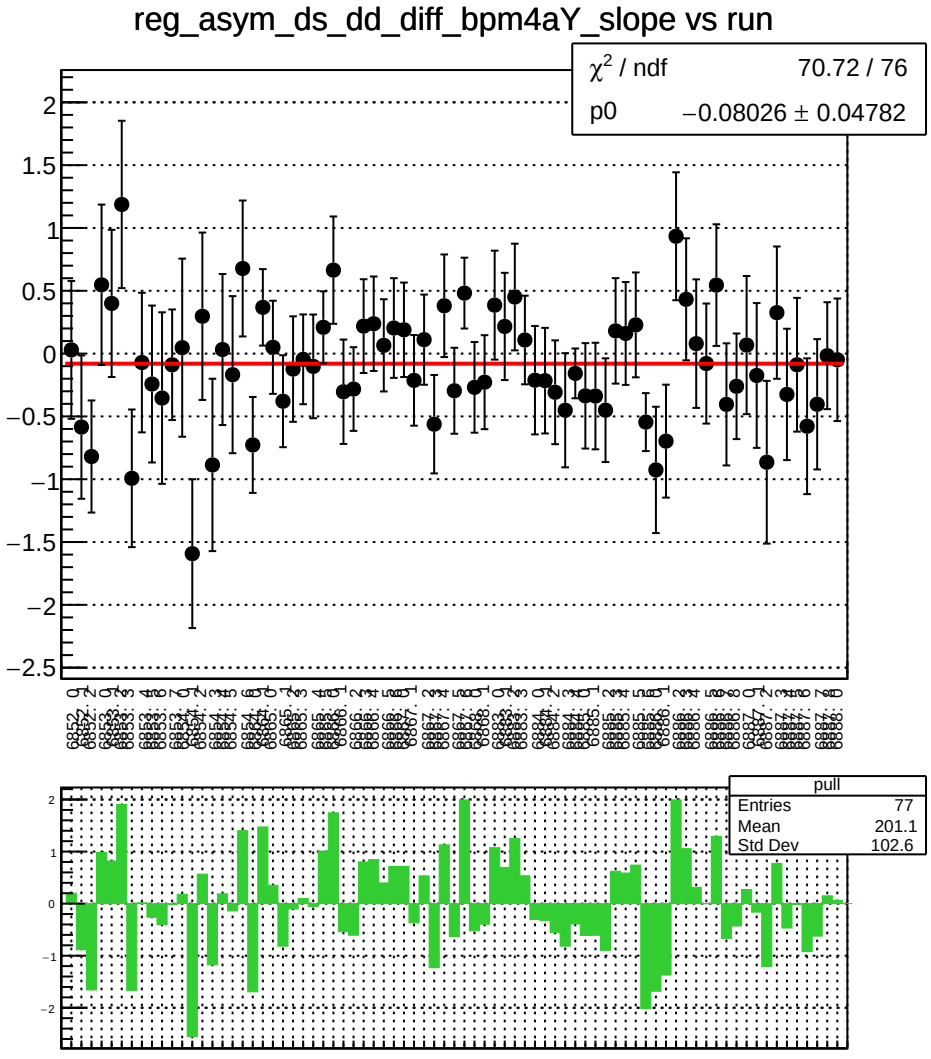

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 74.71 / 76
p0 0.003182 ± 0.003484
pull
Entries 77
Mean 56.23
Std Dev 46.78

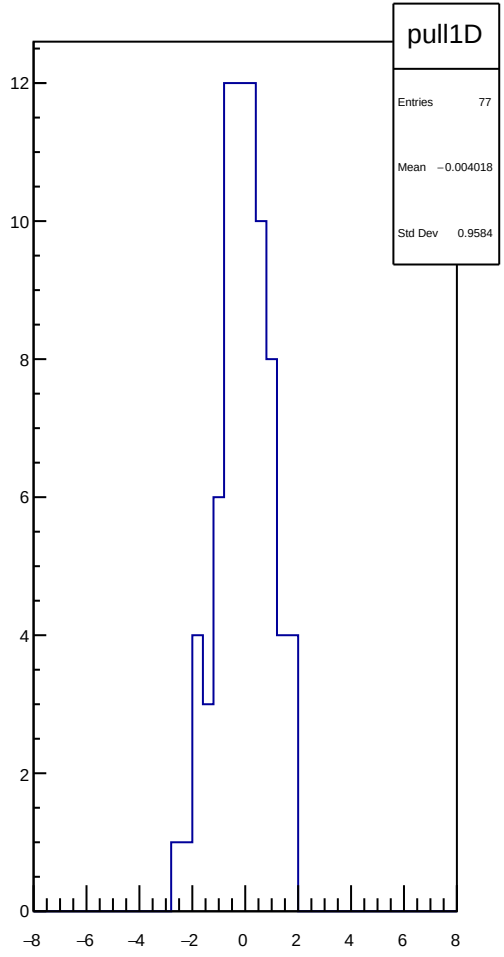

pull1D
Entries 77
Mean 0.03354
Std Dev 0.9844

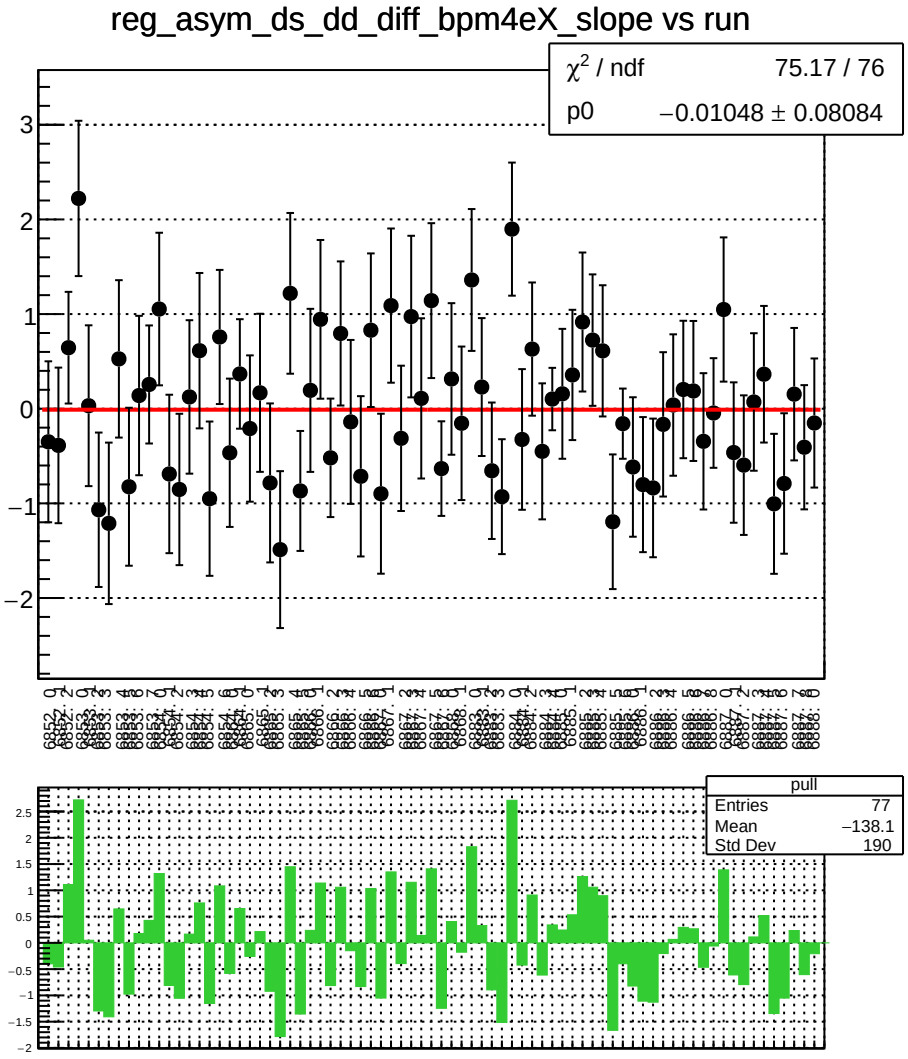
reg_asym_ds_dd_diff_bpm1X_slope vs run

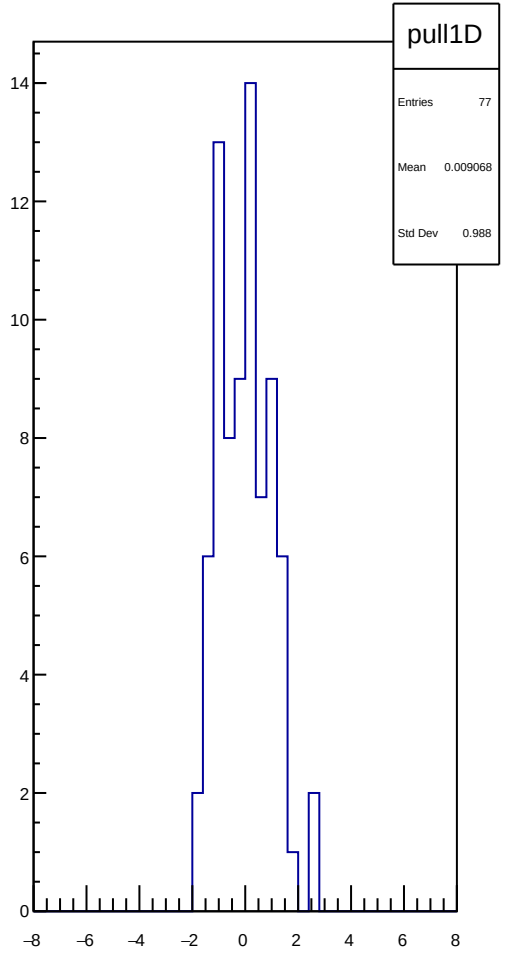


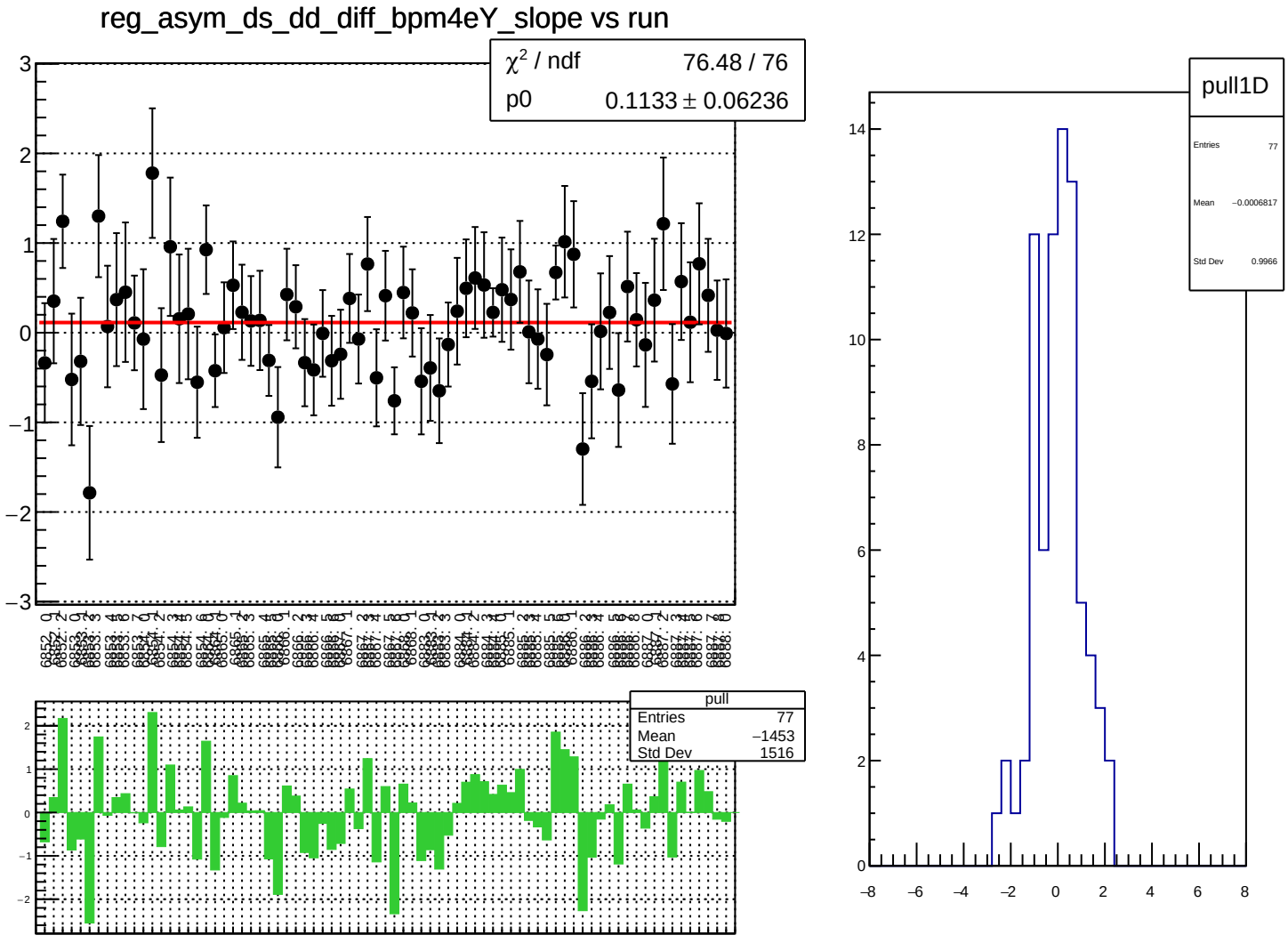


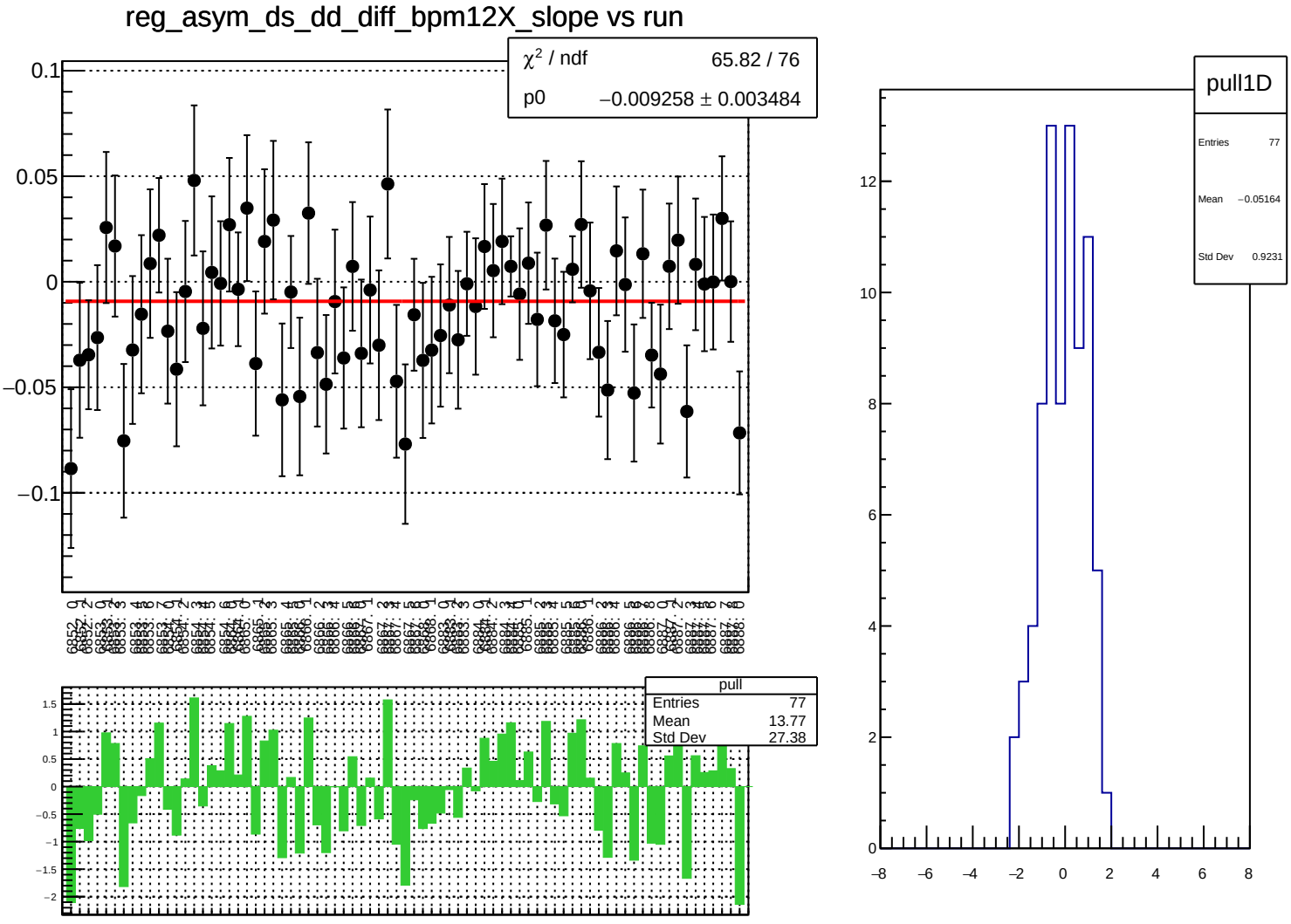

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 70.72 / 76
p0 −0.08026 ± 0.04782
pull
Entries 77
Mean 201.1
Std Dev 102.6

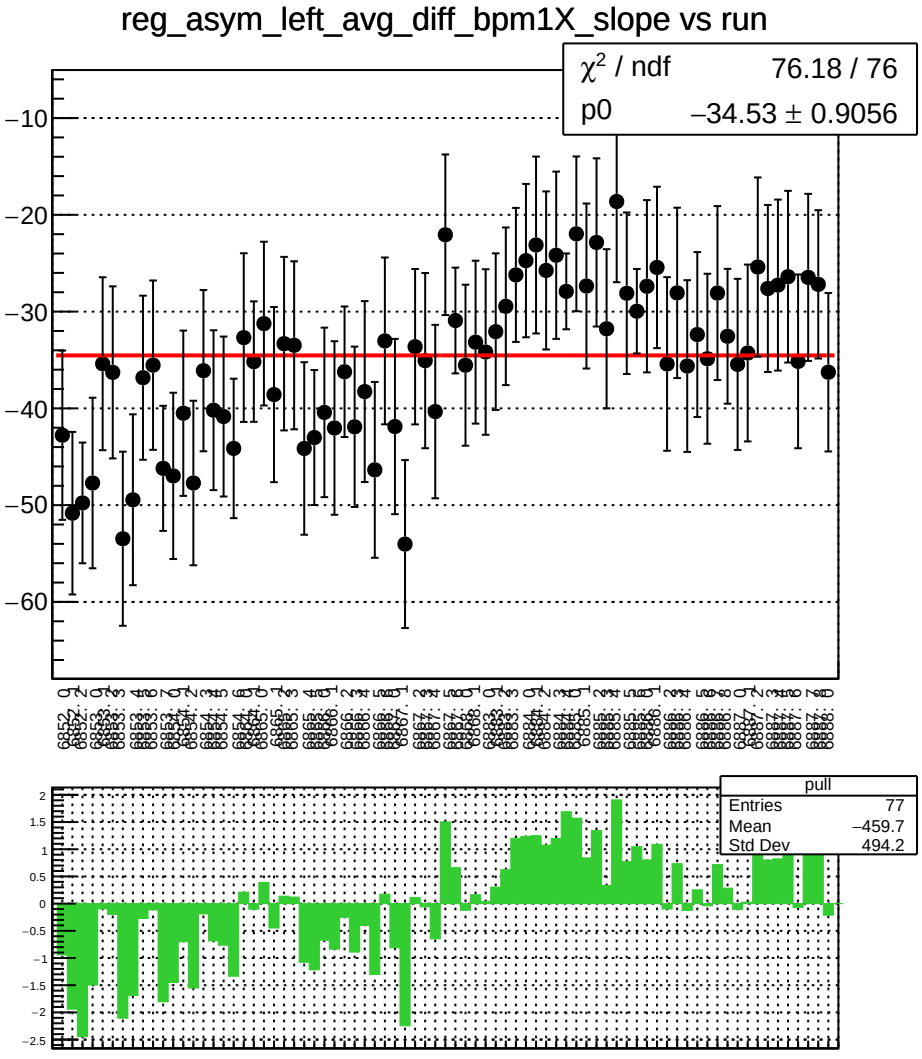

pull1D
Entries 77
Mean −0.004018
Std Dev 0.9584

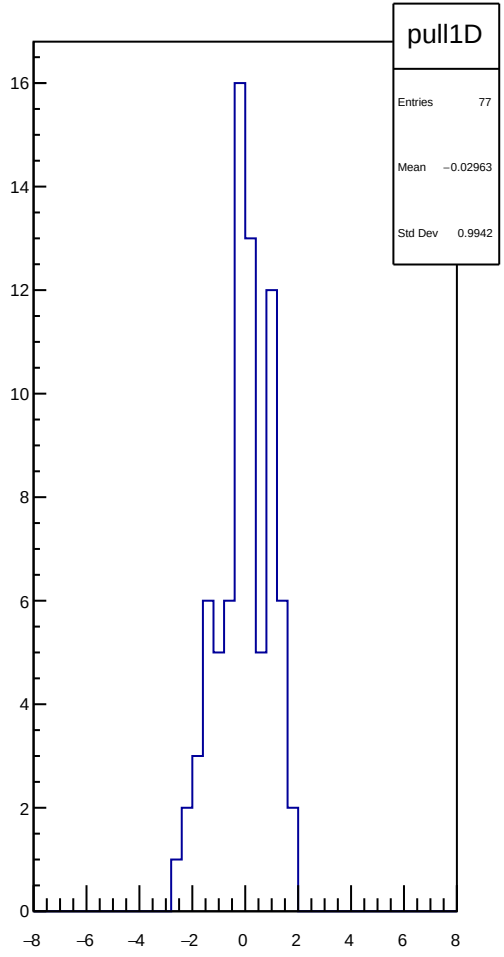

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.17 / 76
p0 −0.01048 ± 0.08084
pull
Entries 77
Mean −138.1
Std Dev 190

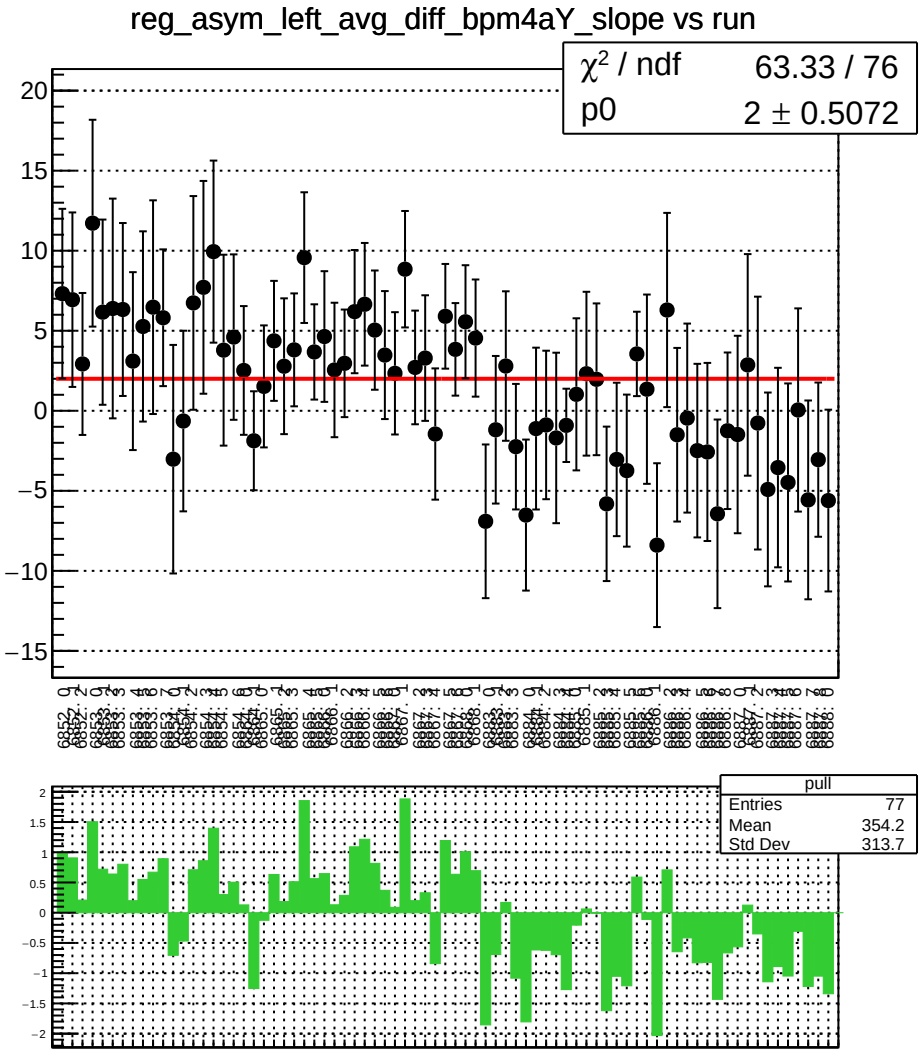

pull1D
Entries 77
Mean 0.009068
Std Dev 0.988

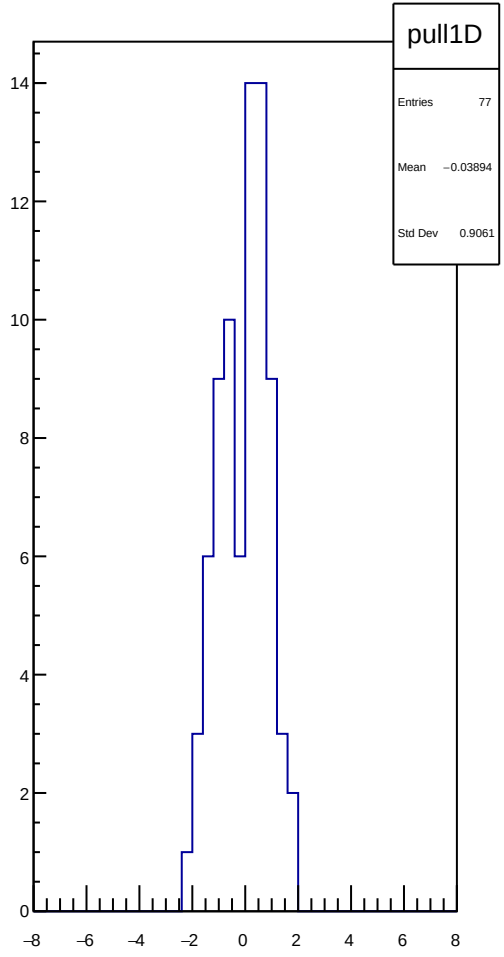

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.48 / 76
p0 0.1133 ± 0.06236
pull
Entries 77
Mean −1453
Std Dev 1516
pull1D
Entries 77
Mean −0.0006817
Std Dev 0.9966

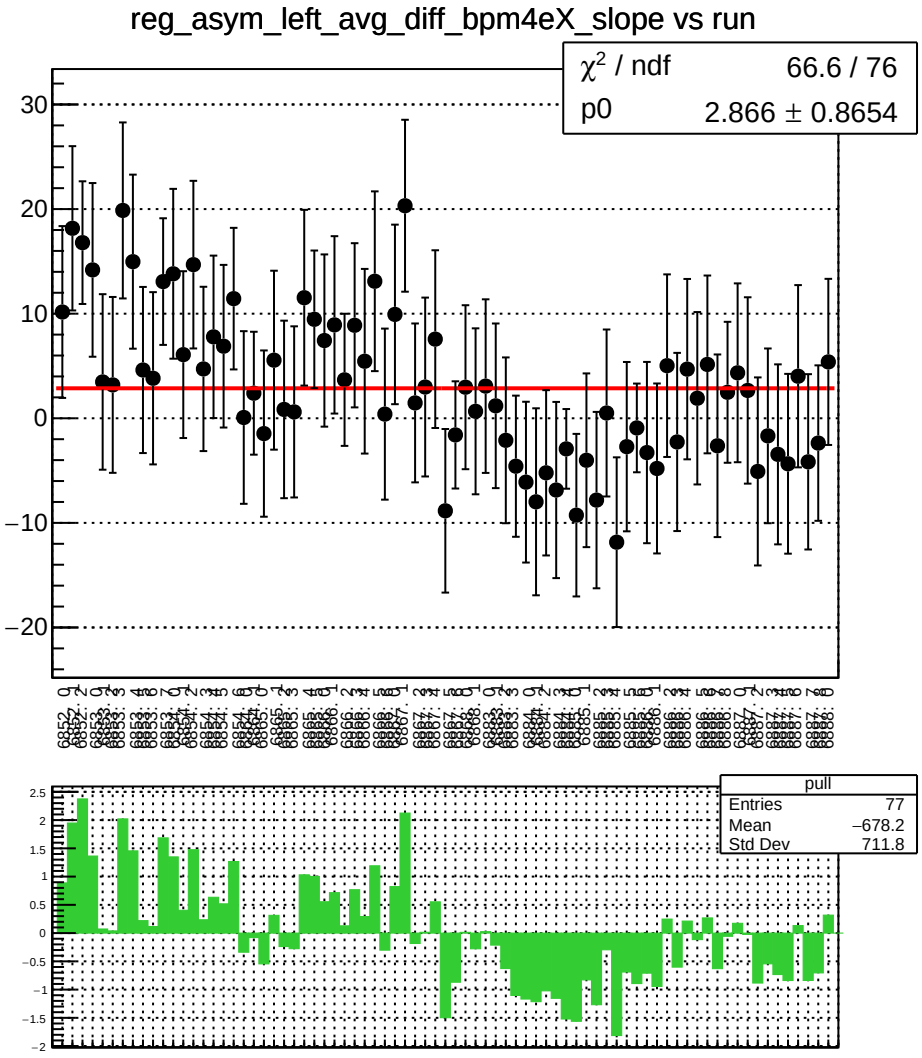

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 65.82 / 76
p0 −0.009258 ± 0.003484
pull
Entries 77
Mean 13.77
Std Dev 27.38
pull1D
Entries 77
Mean −0.05164
Std Dev 0.9231

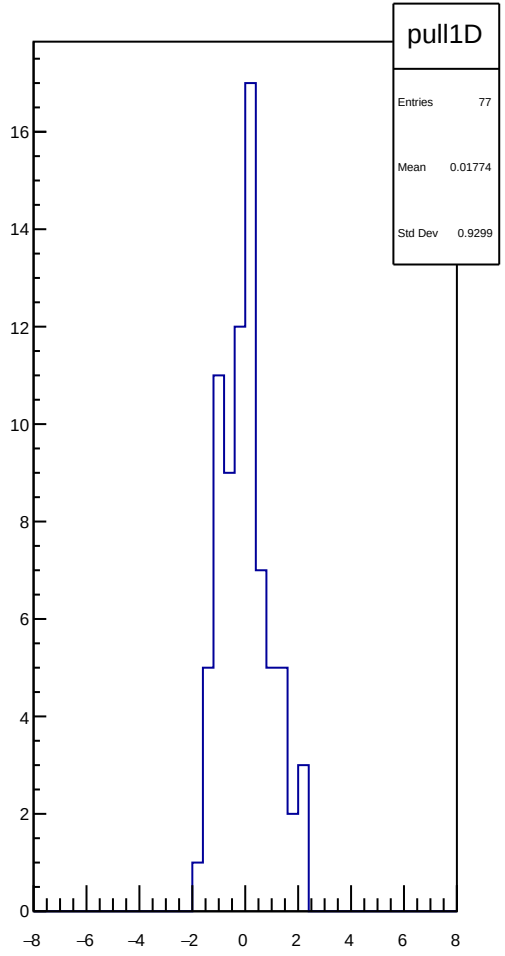

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 76.18 / 76
p0 −34.53 ± 0.9056
pull
Entries 77
Mean −459.7
Std Dev 494.2

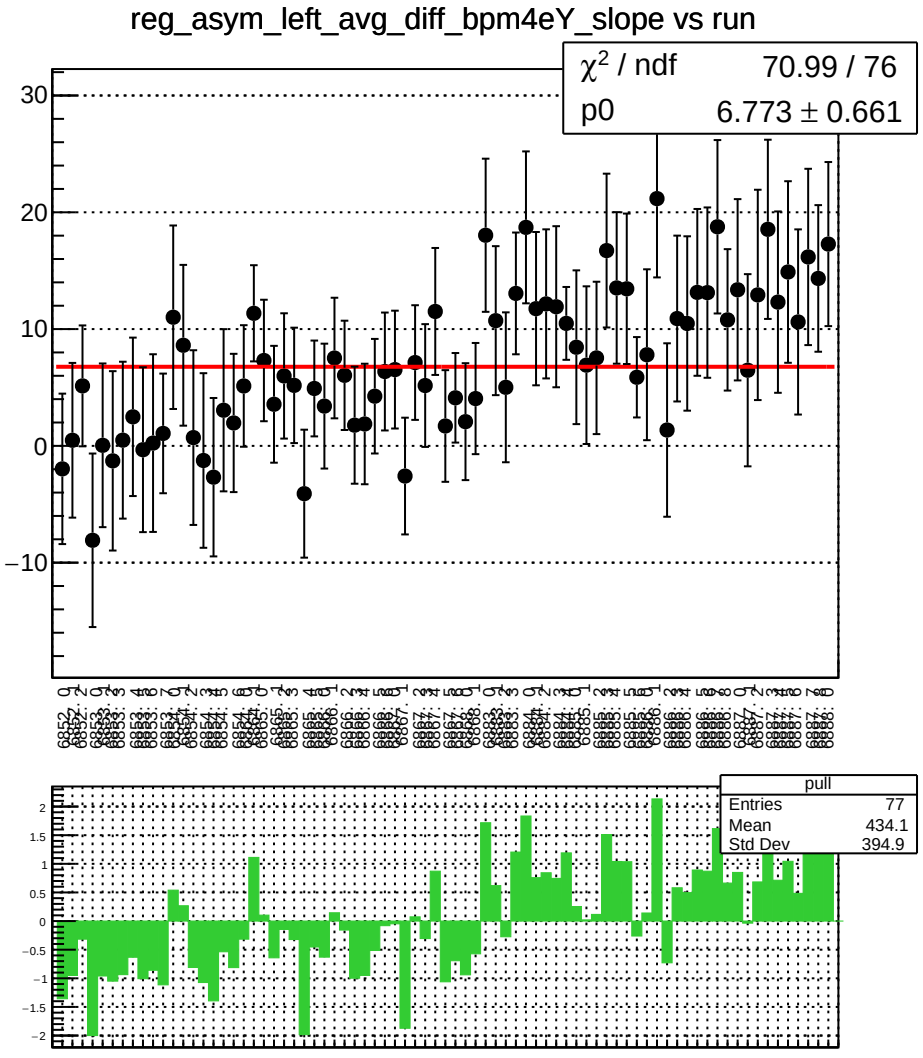

pull1D
Entries 77
Mean −0.02963
Std Dev 0.9942

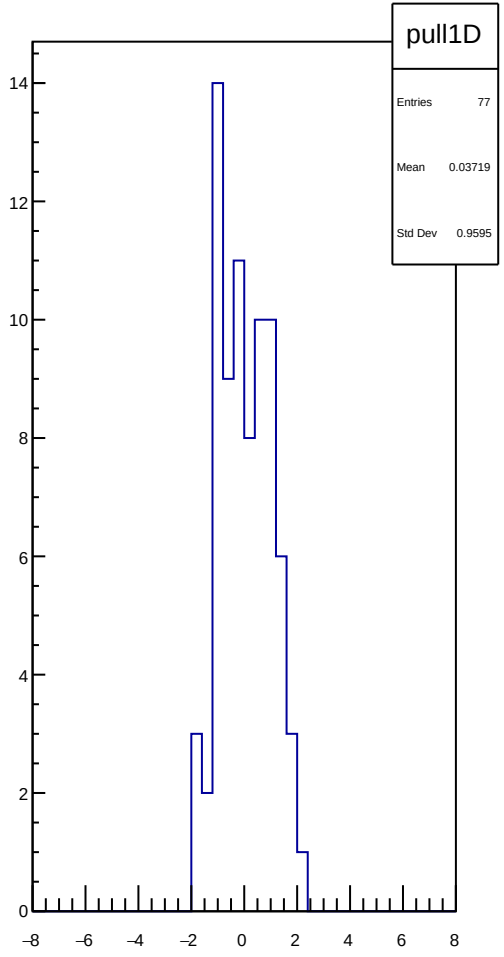

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.33 / 76
p0 2 ± 0.5072
pull
Entries 77
Mean 354.2
Std Dev 313.7

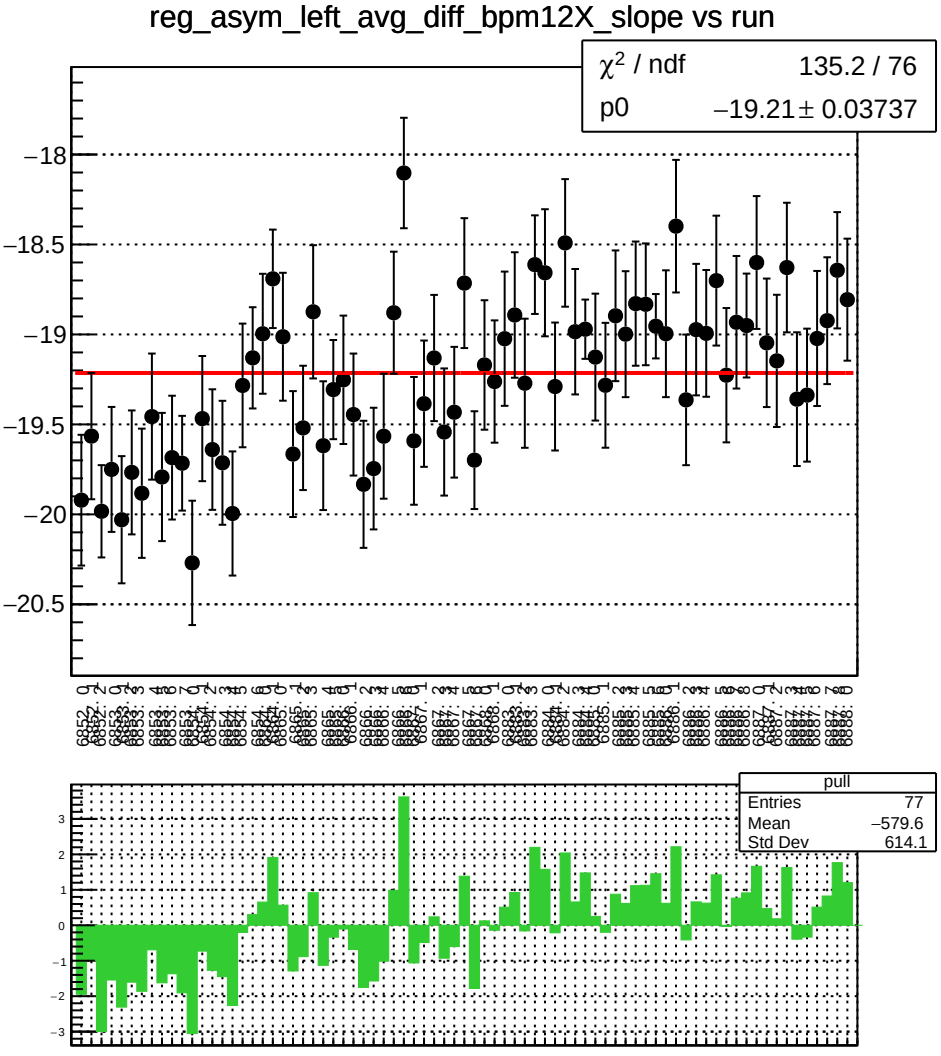

pull1D
Entries 77
Mean −0.03894
Std Dev 0.9061

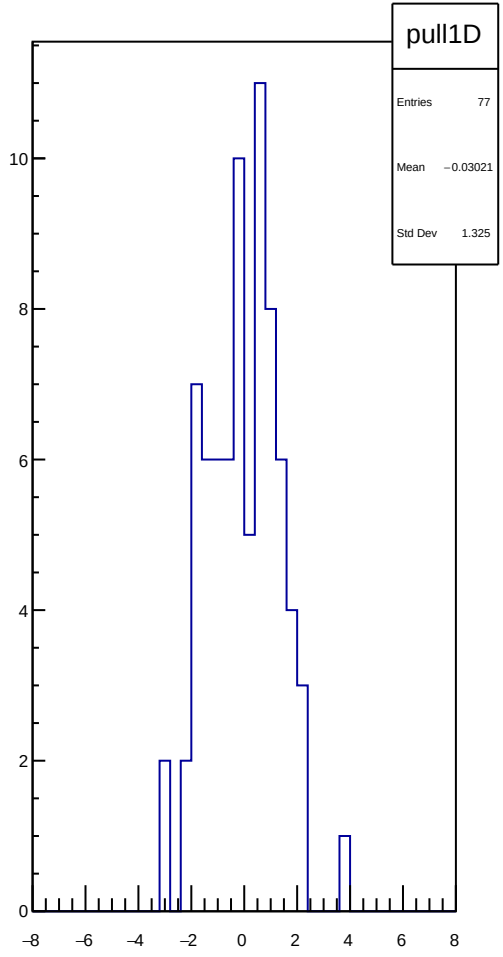

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 66.6 / 76
p0 2.866 ± 0.8654
pull
Entries 77
Mean −678.2
Std Dev 711.8

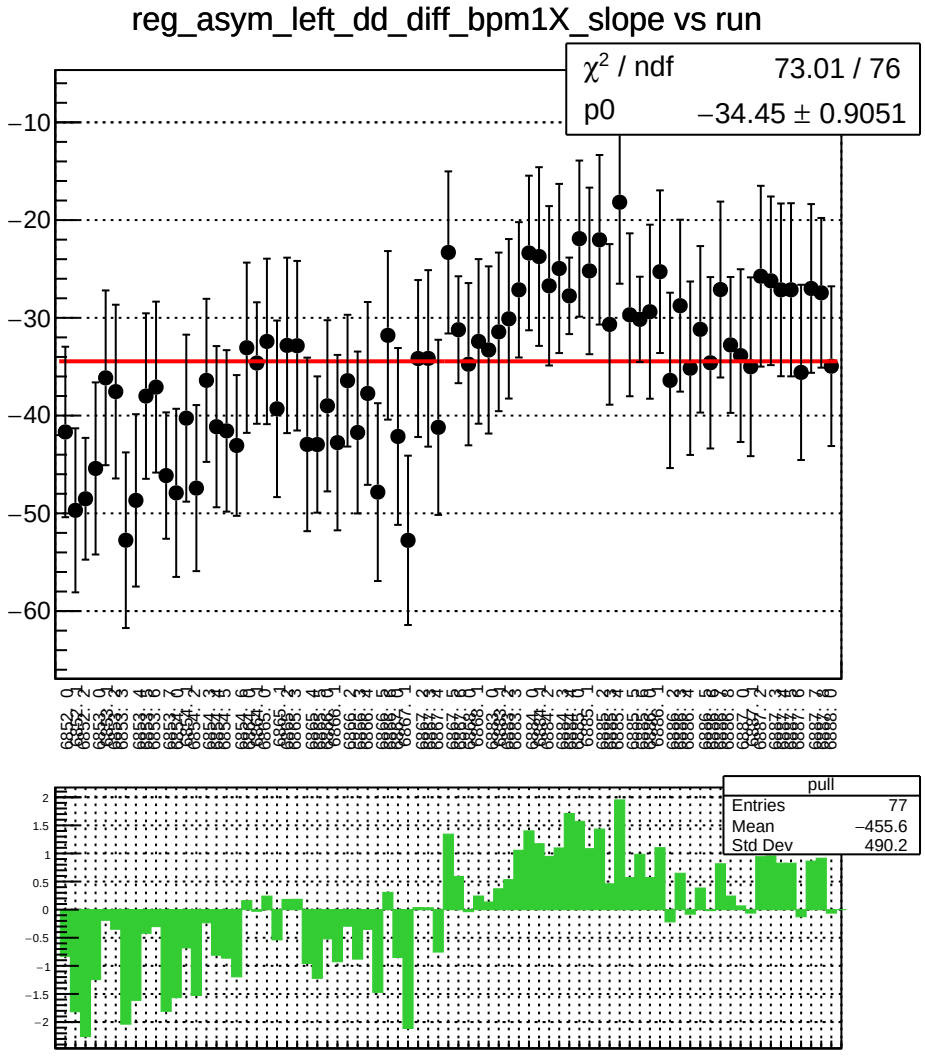

pull1D
Entries 77
Mean 0.01774
Std Dev 0.9299

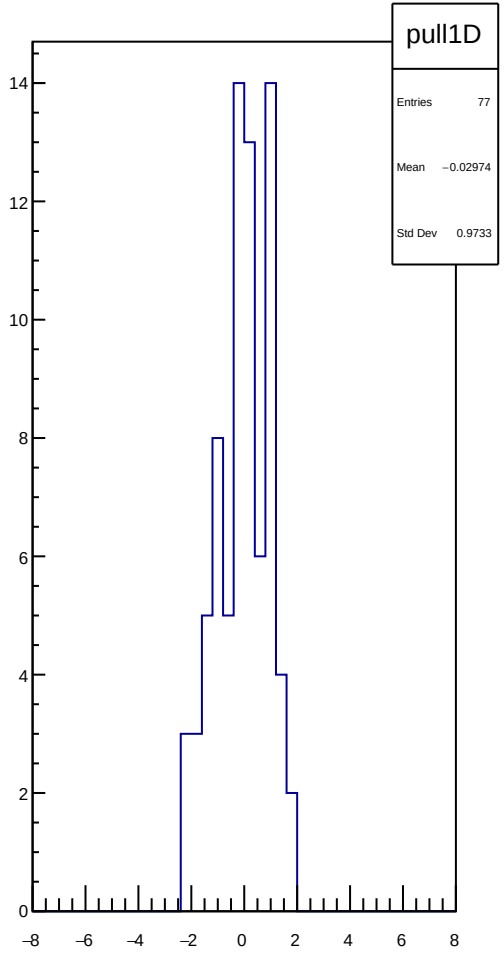

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 70.99 / 76
p0 6.773 ± 0.661
pull
Entries 77
Mean 434.1
Std Dev 394.9

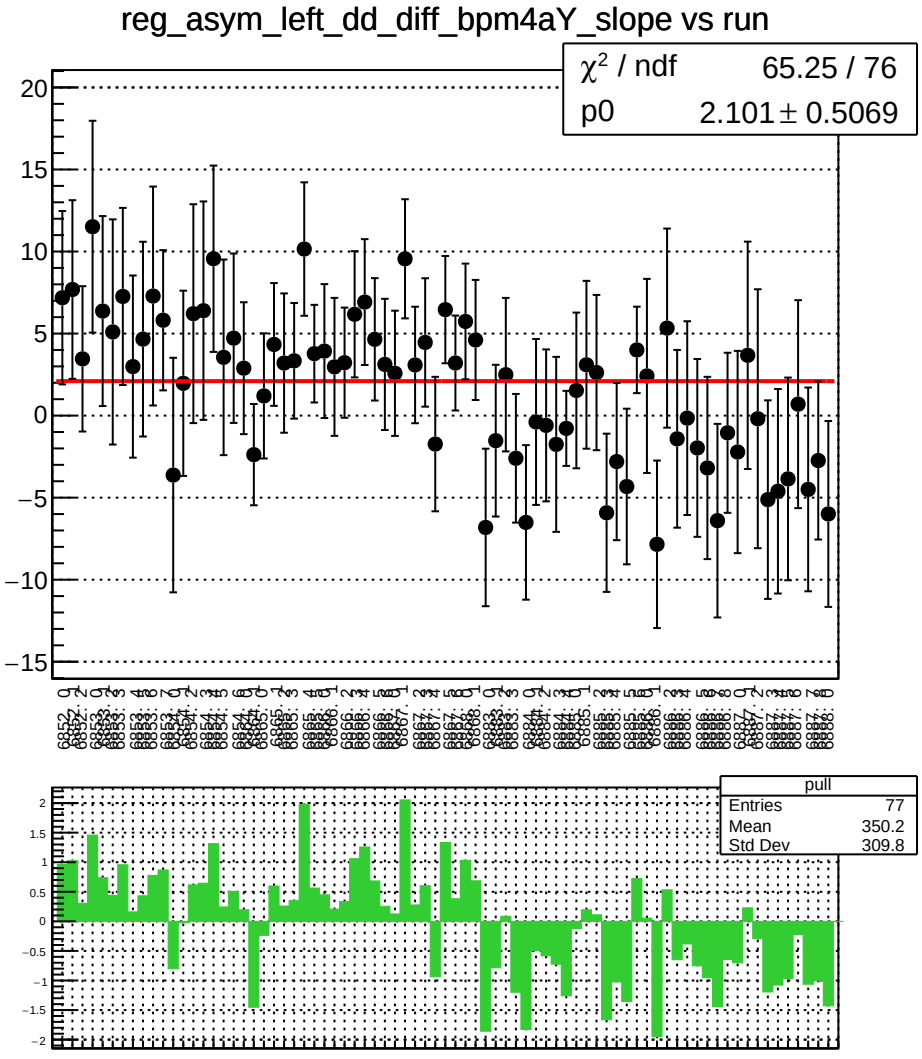

pull1D
Entries 77
Mean 0.03719
Std Dev 0.9595

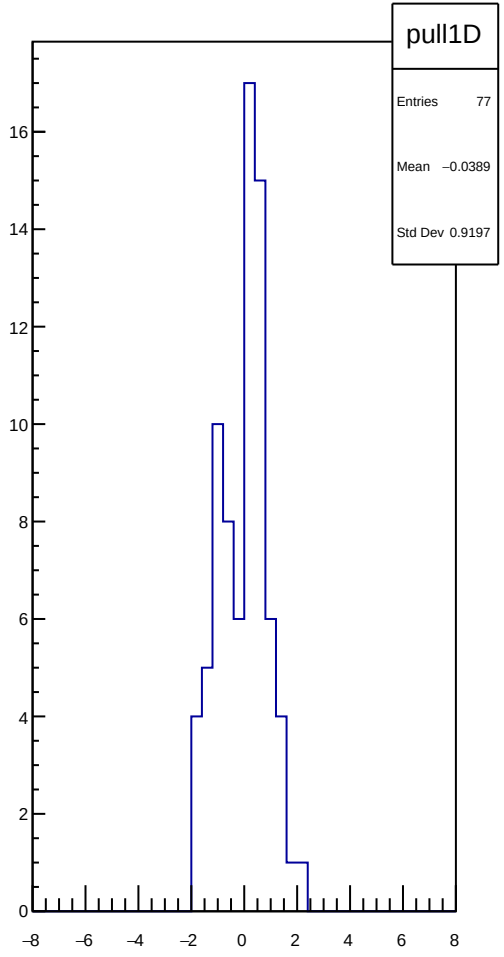

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 135.2 / 76
p0 −19.21 ± 0.03737
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 77
Mean −579.6
Std Dev 614.1
3
2
1
0
−1
−2
−3

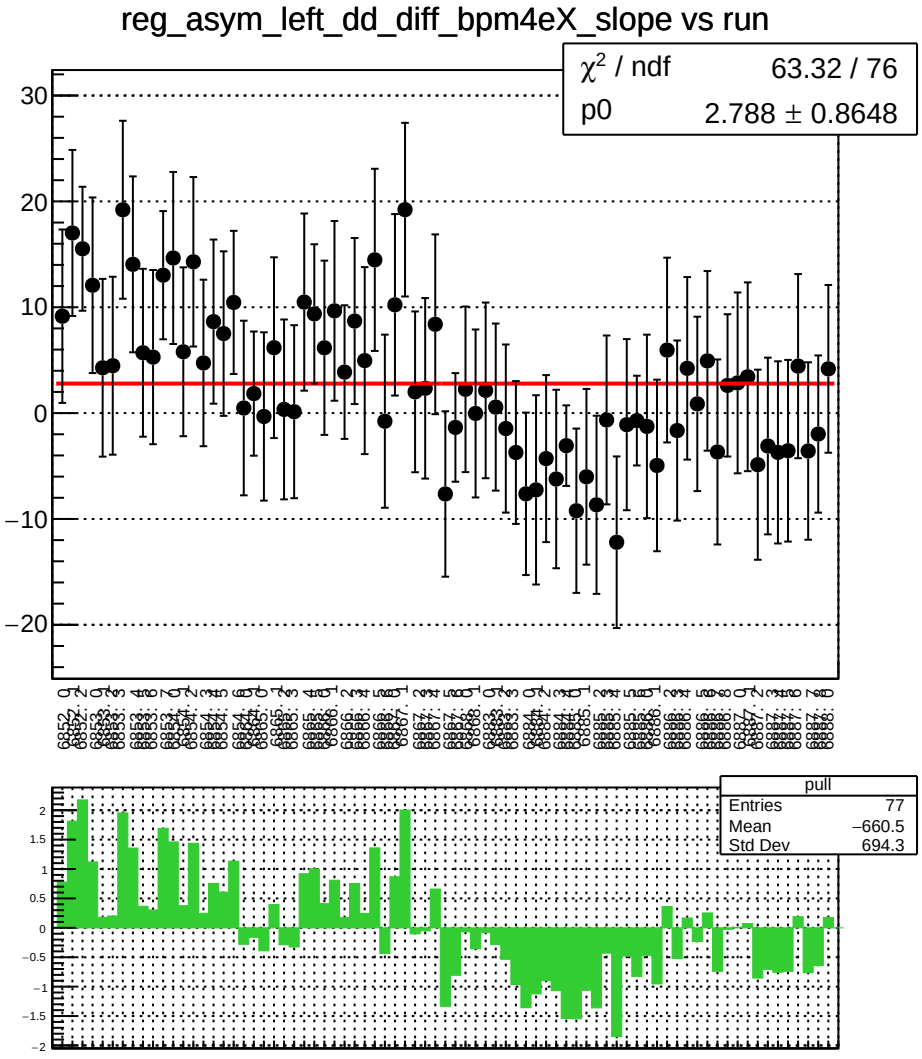

pull1D
Entries 77
Mean −0.03021
Std Dev 1.325
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

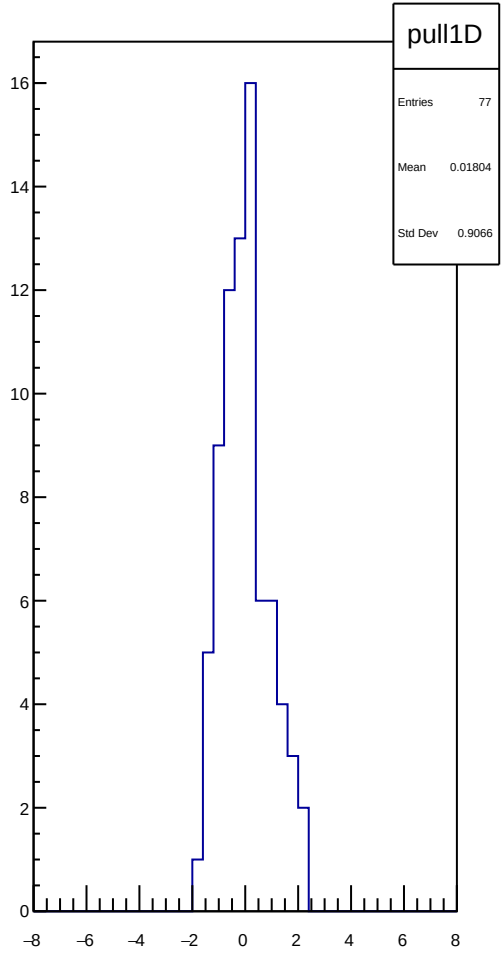

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 73.01 / 76
p0 −34.45 ± 0.9051
pull
Entries 77
Mean −455.6
Std Dev 490.2

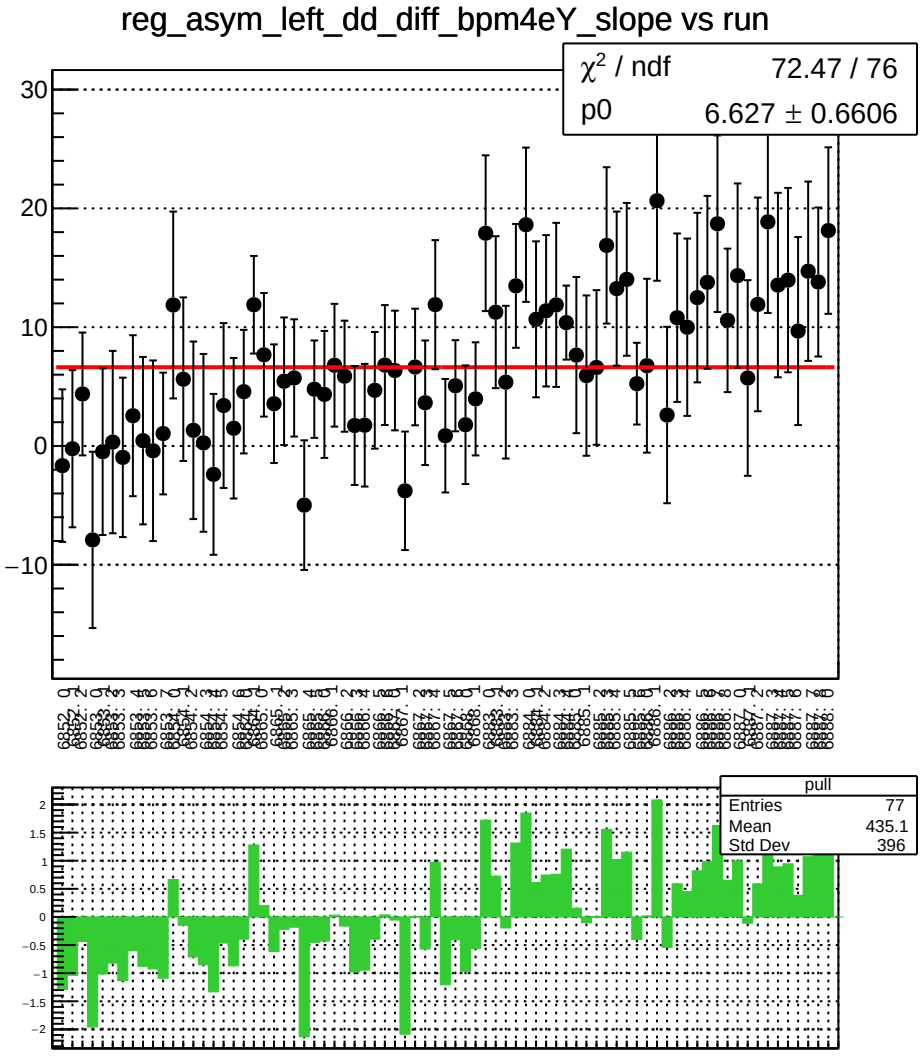

pull1D
Entries 77
Mean −0.02974
Std Dev 0.9733

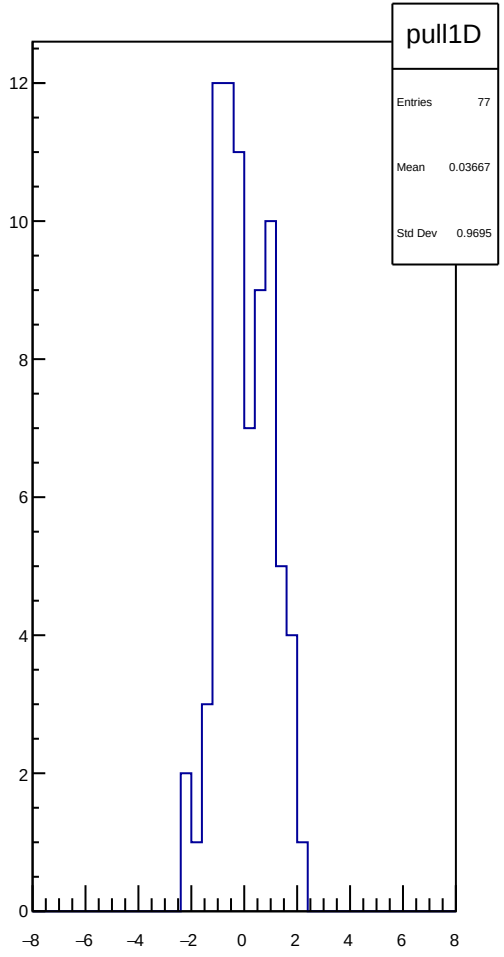

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 65.25 / 76
p0 2.101 ± 0.5069
pull
Entries 77
Mean 350.2
Std Dev 309.8

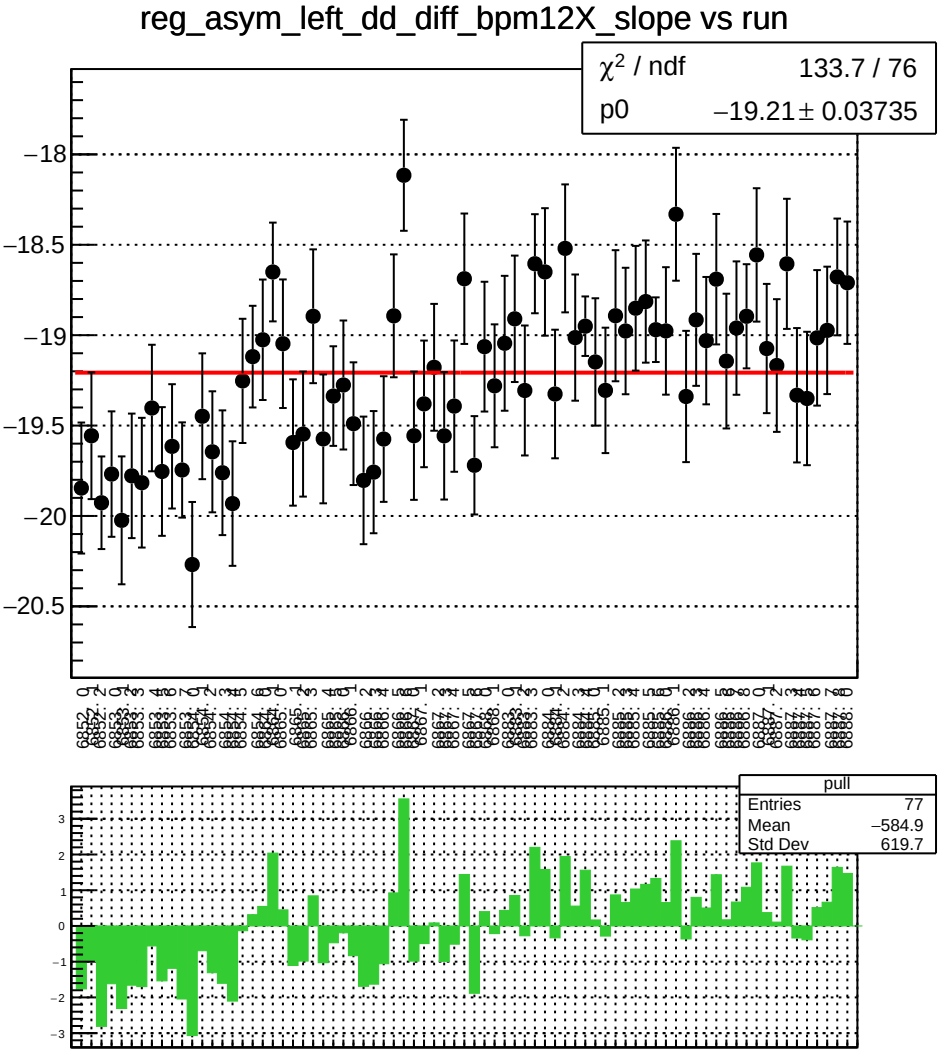

pull1D
Entries 77
Mean −0.0389
Std Dev 0.9197

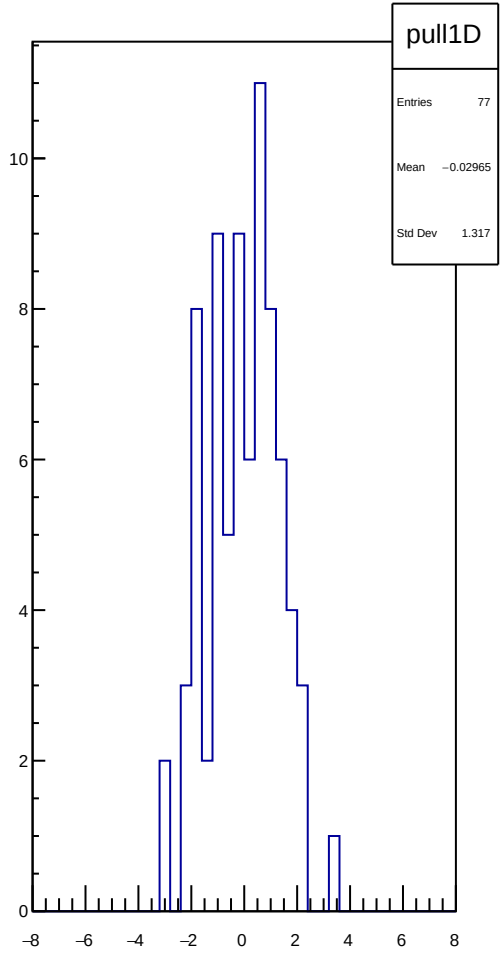

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.32 / 76
p0 2.788 ± 0.8648
pull
Entries 77
Mean −660.5
Std Dev 694.3

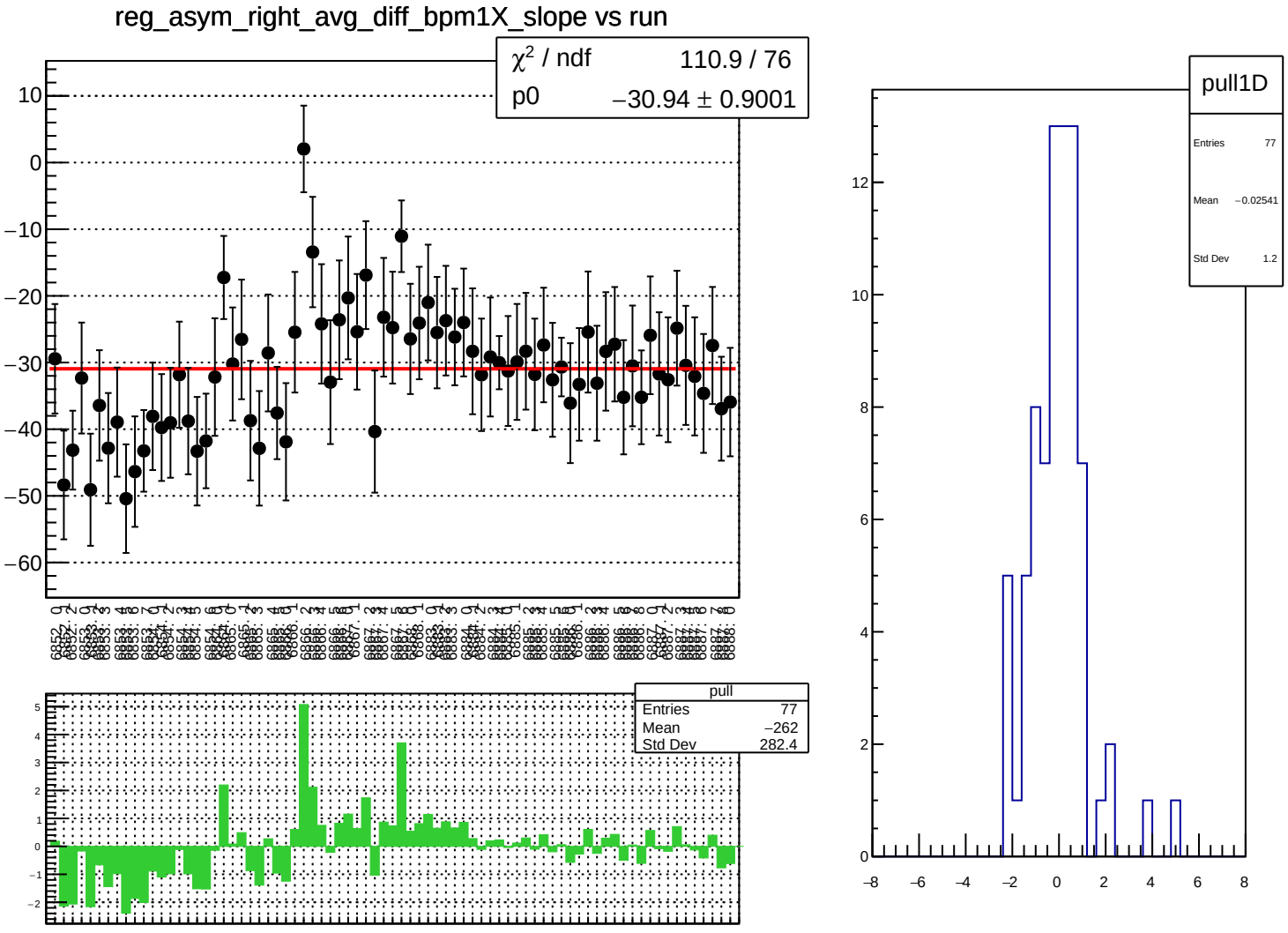

pull1D
Entries 77
Mean 0.01804
Std Dev 0.9066

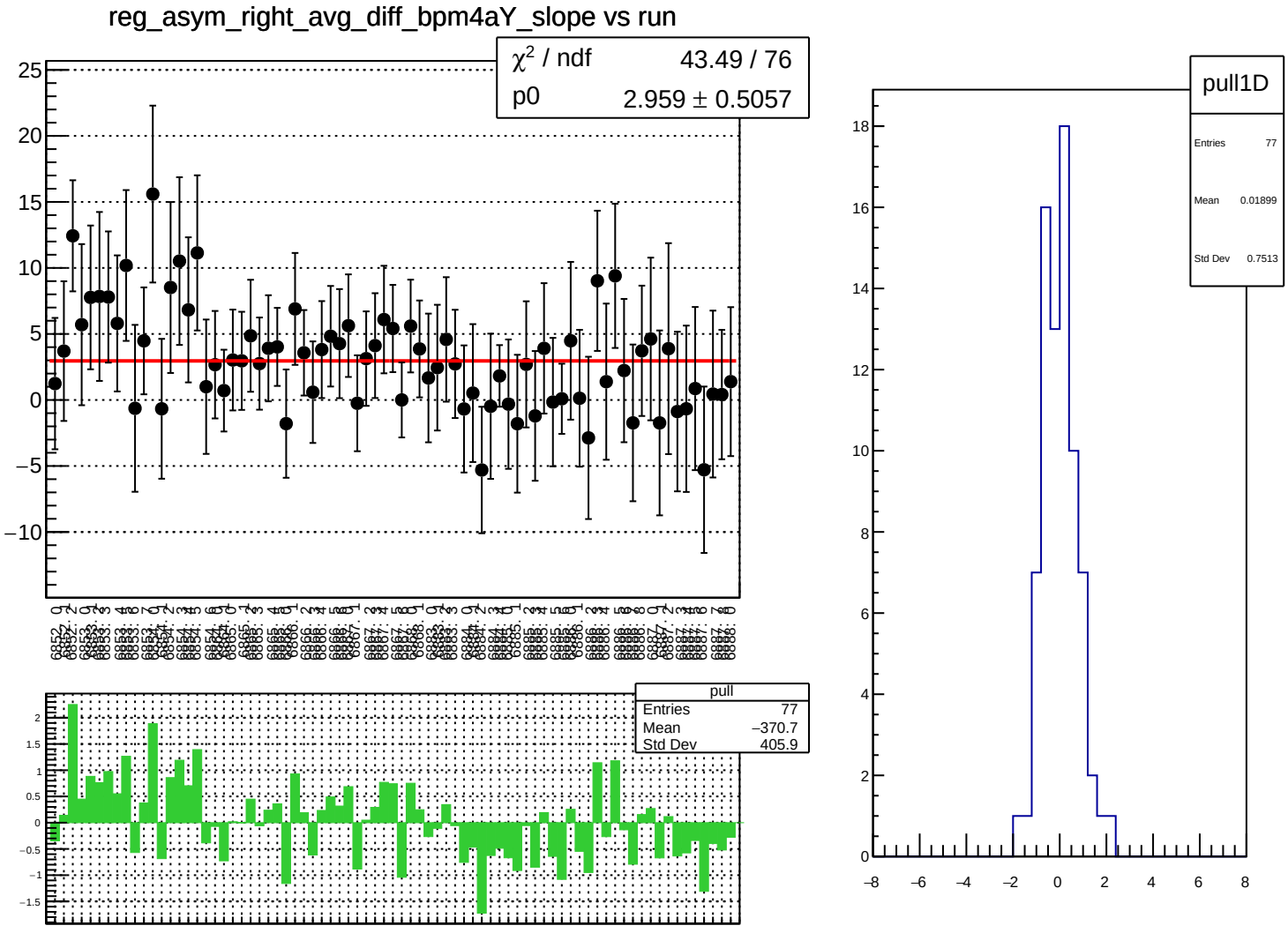

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.47 / 76
p0 6.627 ± 0.6606
pull
Entries 77
Mean 435.1
Std Dev 396

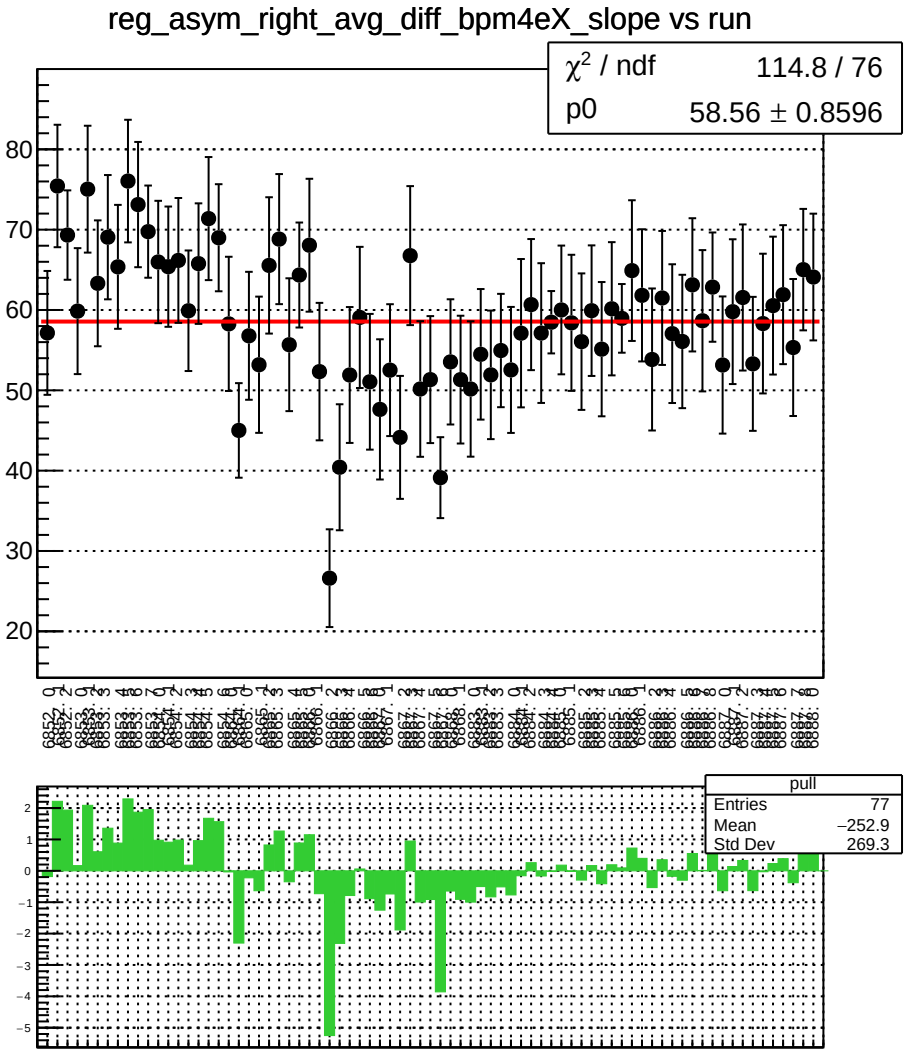

pull1D
Entries 77
Mean 0.03667
Std Dev 0.9695

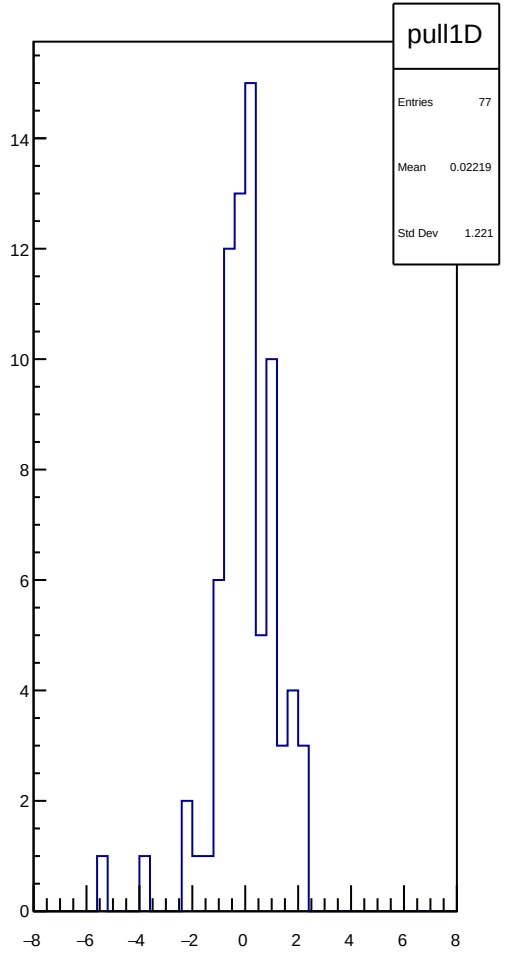

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 133.7 / 76
p0 −19.21 ± 0.03735
pull
Entries 77
Mean −584.9
Std Dev 619.7

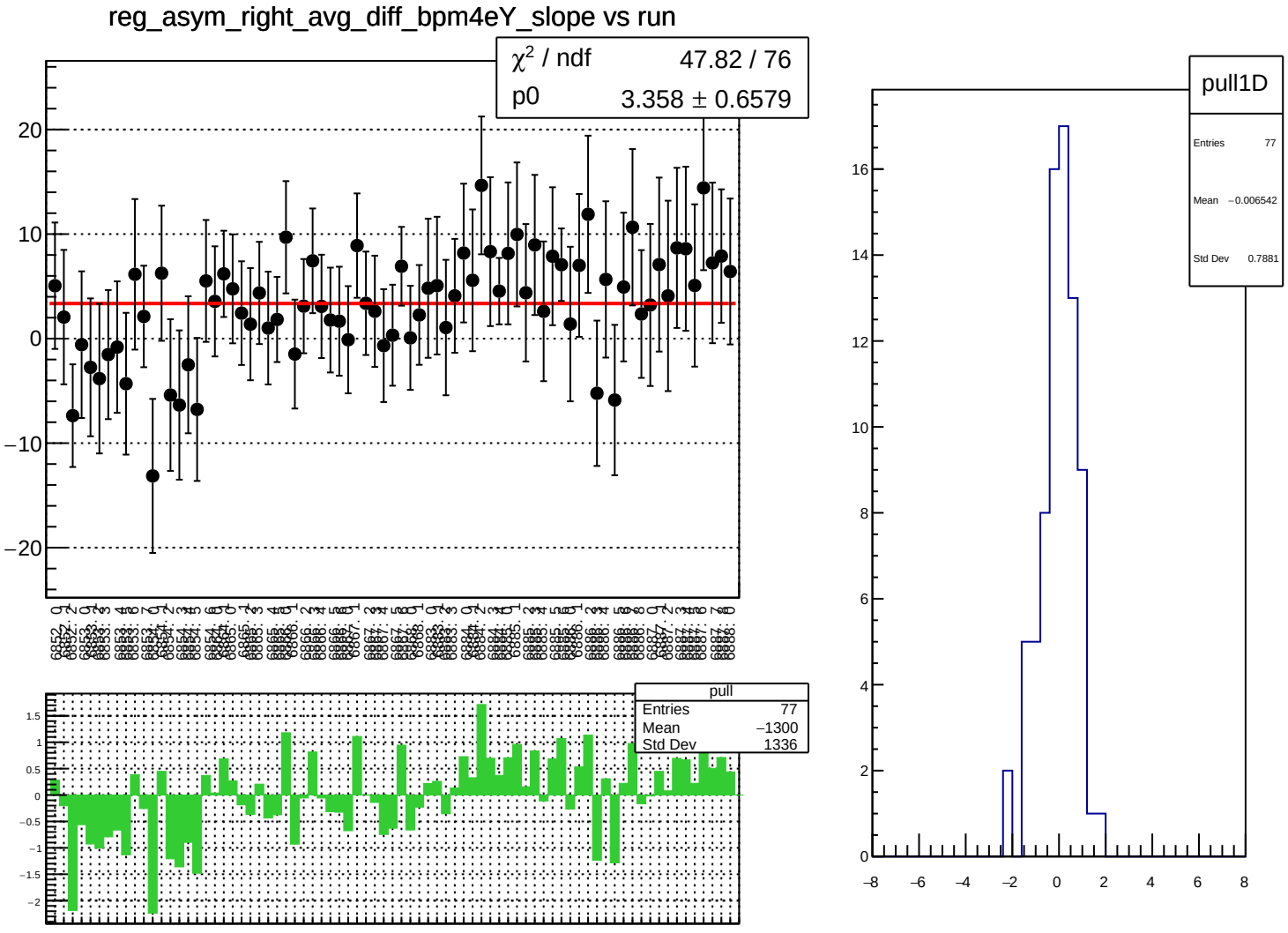

pull1D
Entries 77
Mean −0.02965
Std Dev 1.317

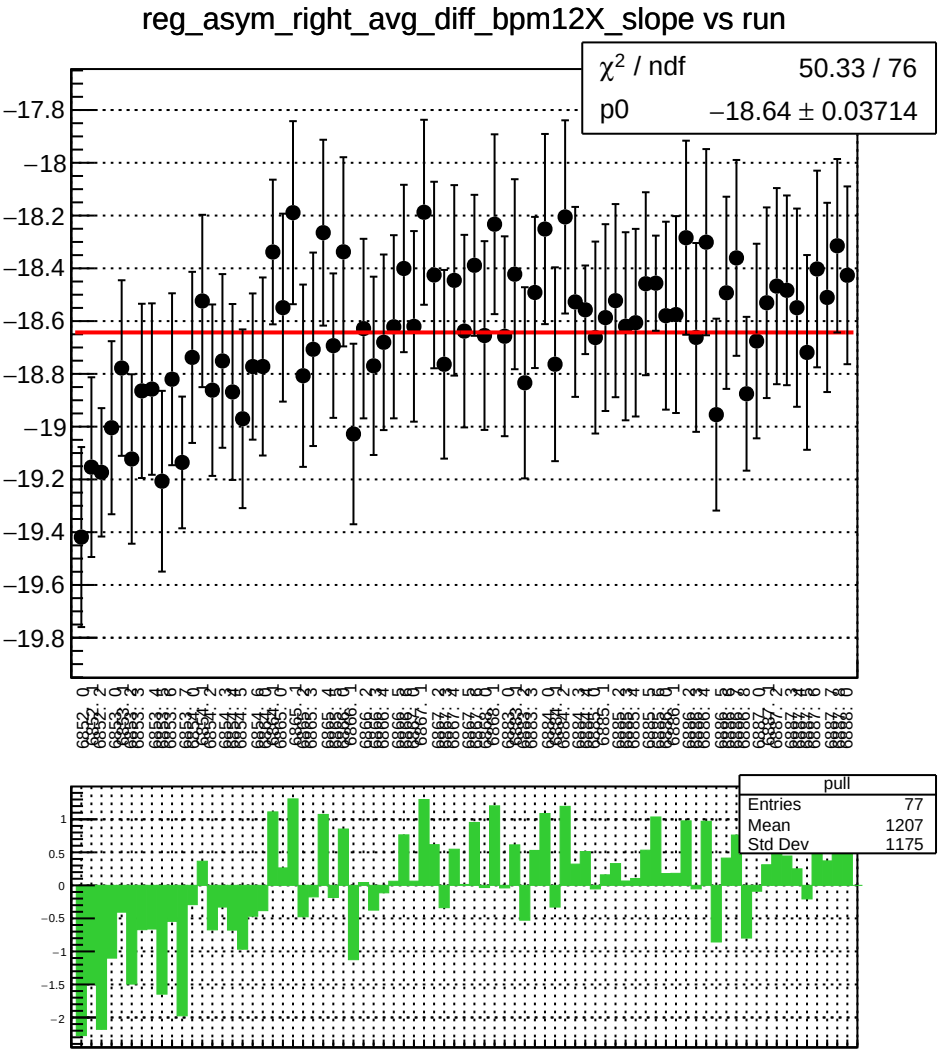

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 110.9 / 76
p0 −30.94 ± 0.9001
pull
Entries 77
Mean −262
Std Dev 282.4
pull1D
Entries 77
Mean −0.02541
Std Dev 1.2

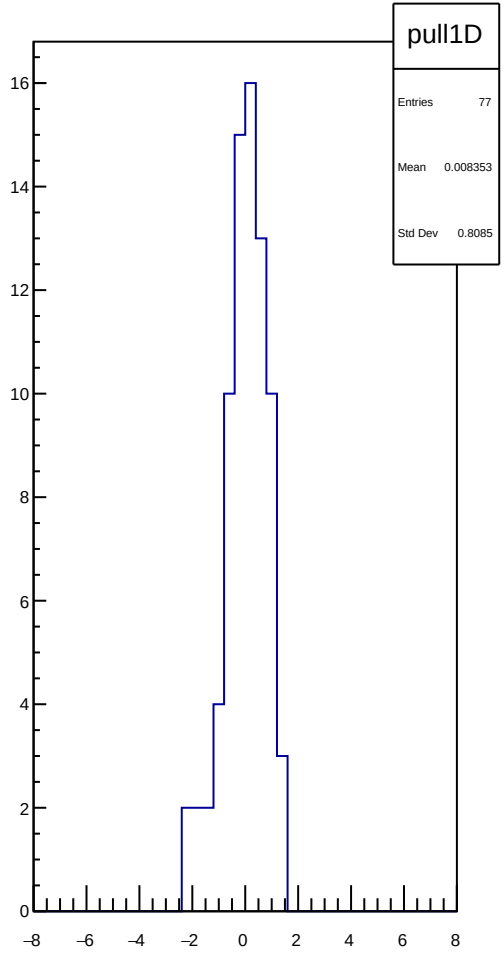

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.49 / 76
p0 2.959 ± 0.5057
pull
Entries 77
Mean −370.7
Std Dev 405.9
pull1D
Entries 77
Mean 0.01899
Std Dev 0.7513

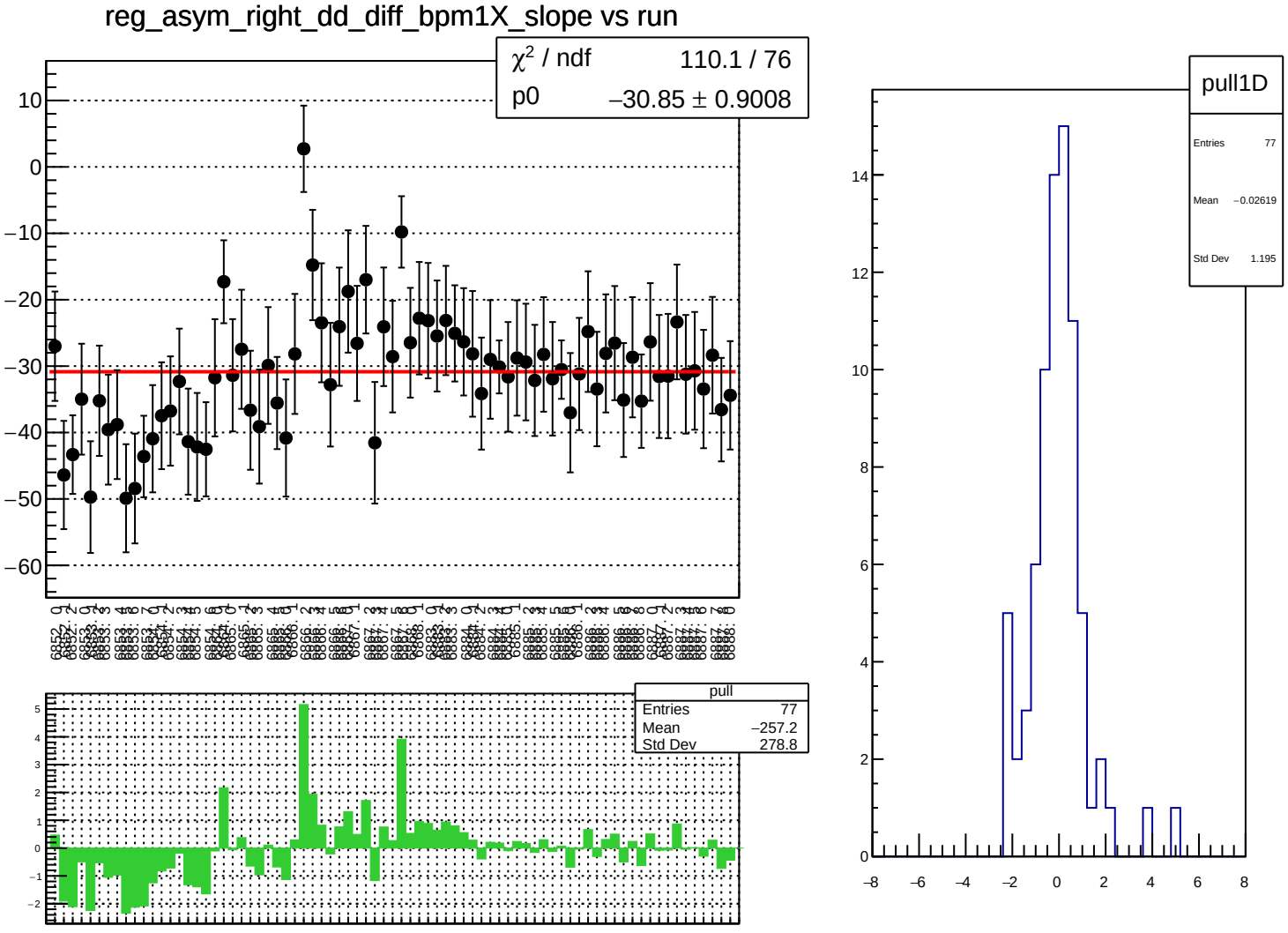

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 114.8 / 76
p0 58.56 ± 0.8596
pull
Entries 77
Mean −252.9
Std Dev 269.3

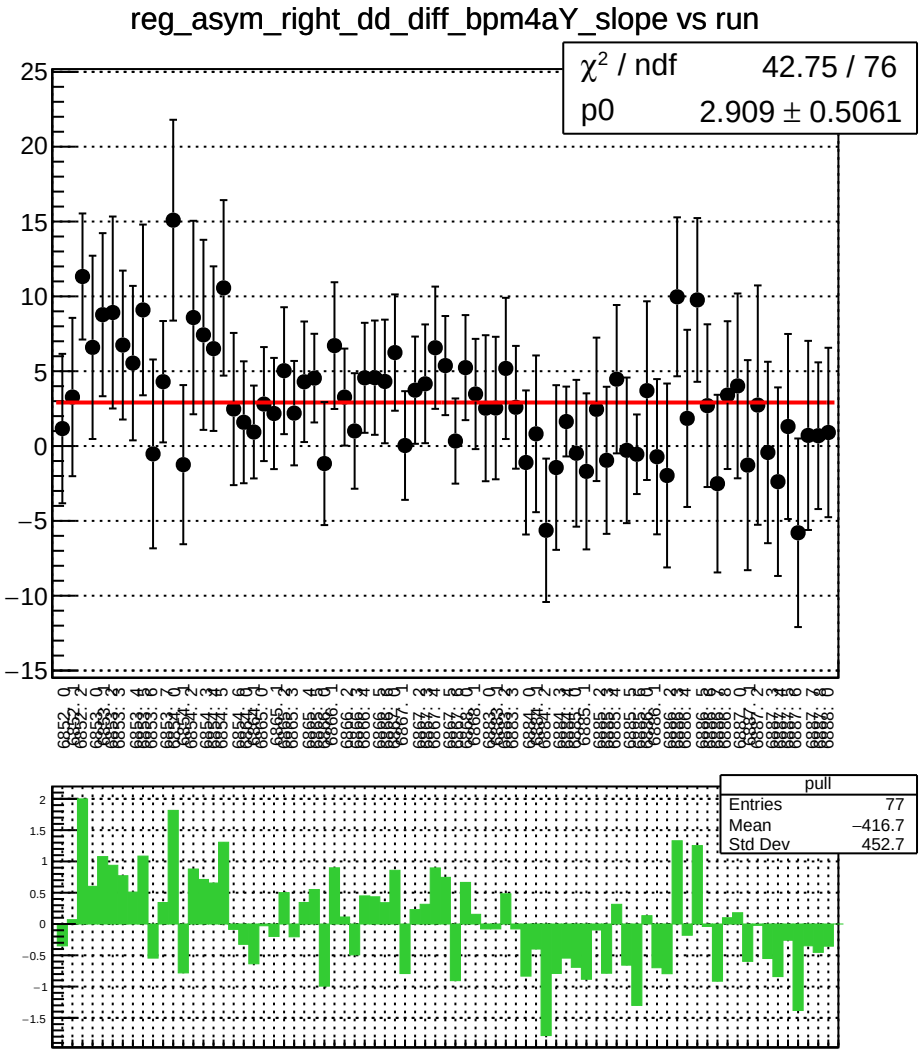

pull1D
Entries 77
Mean 0.02219
Std Dev 1.221

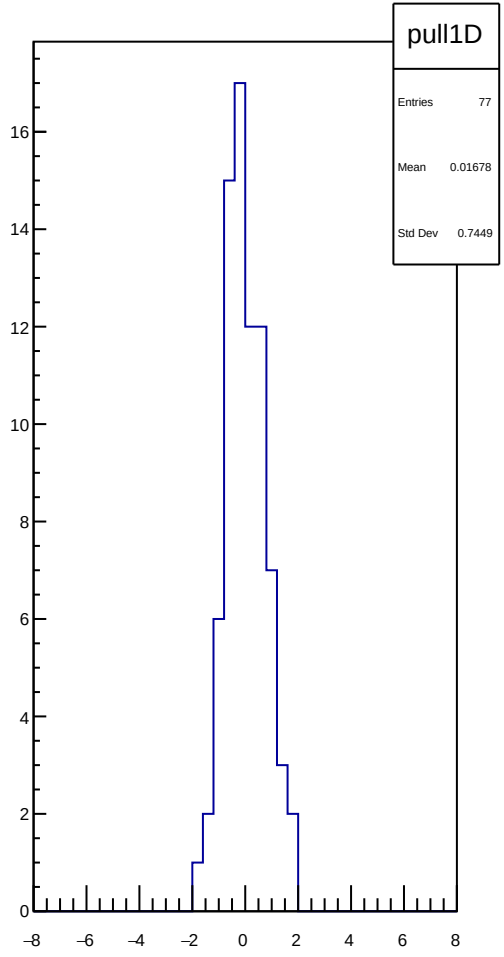

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.82 / 76
p0 3.358 ± 0.6579
pull
Entries 77
Mean −1300
Std Dev 1336
pull1D
Entries 77
Mean −0.006542
Std Dev 0.7881

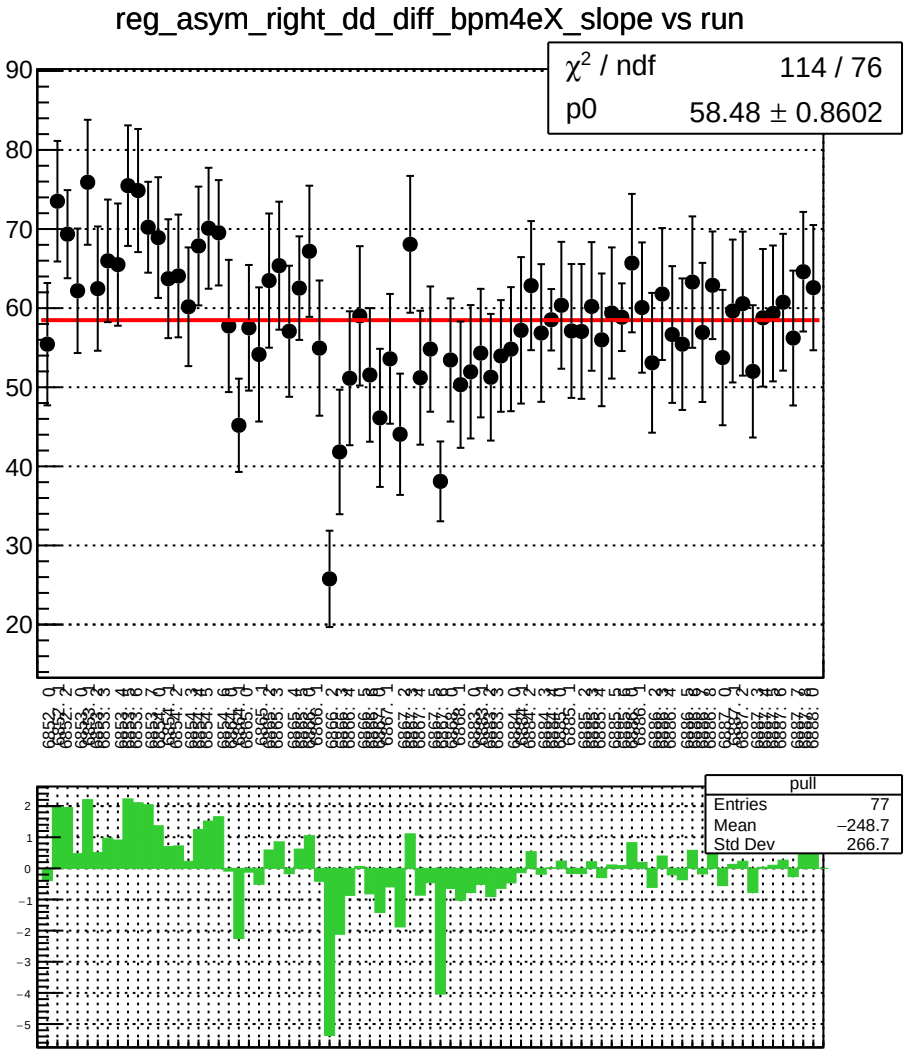

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 50.33 / 76
p0 −18.64 ± 0.03714
pull
Entries 77
Mean 1207
Std Dev 1175

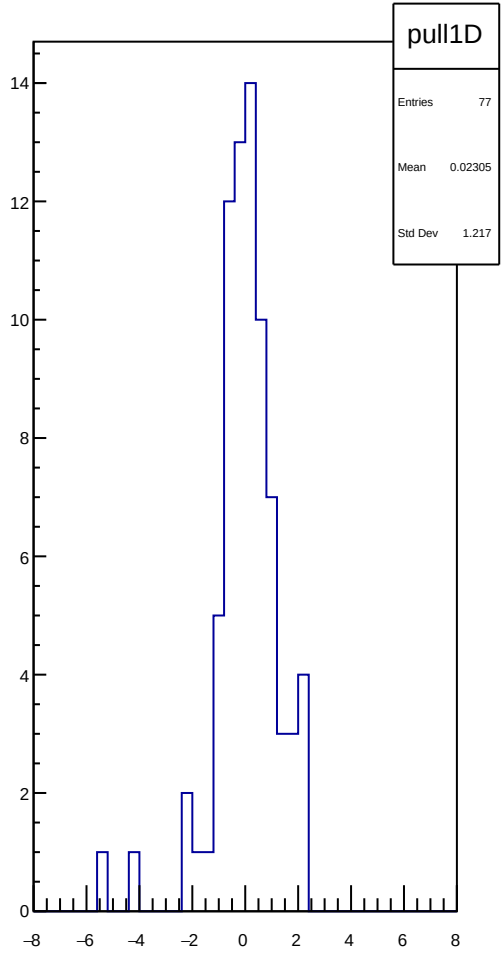

pull1D
Entries 77
Mean 0.008353
Std Dev 0.8085

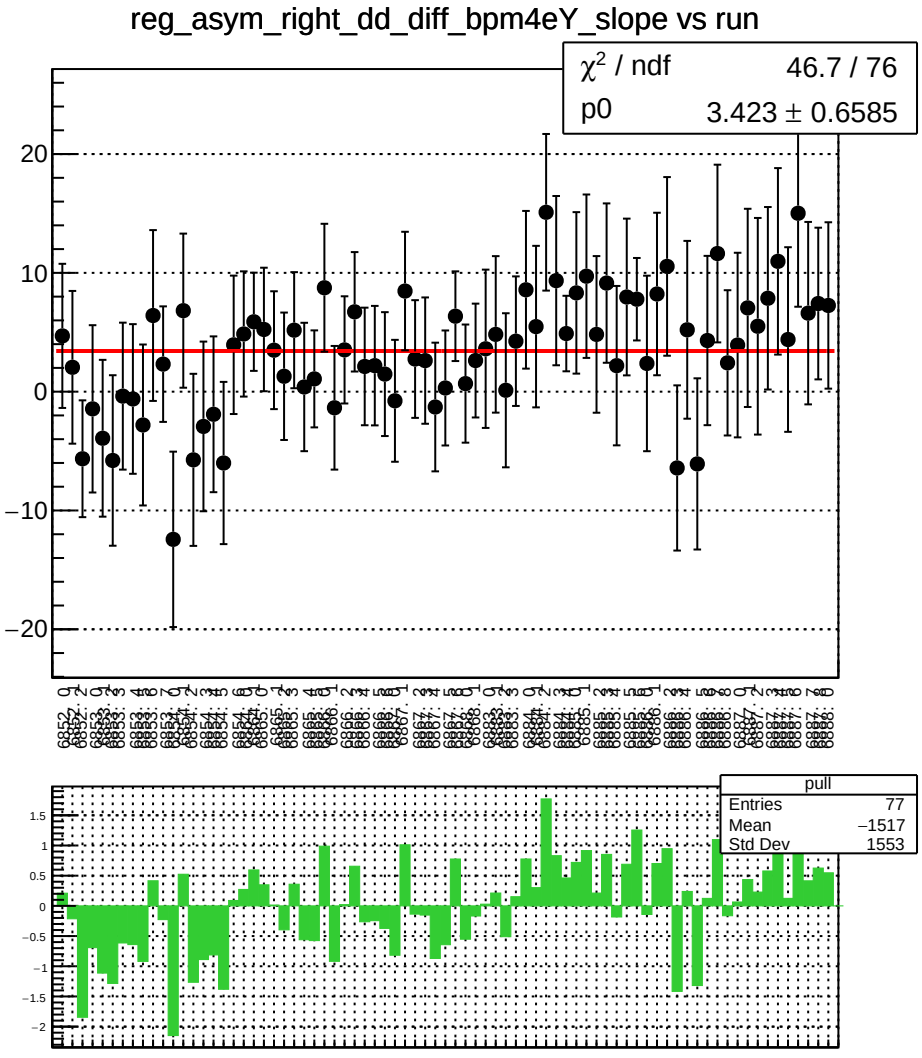

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 110.1 / 76
p0 −30.85 ± 0.9008
pull
Entries 77
Mean −257.2
Std Dev 278.8
pull1D
Entries 77
Mean −0.02619
Std Dev 1.195

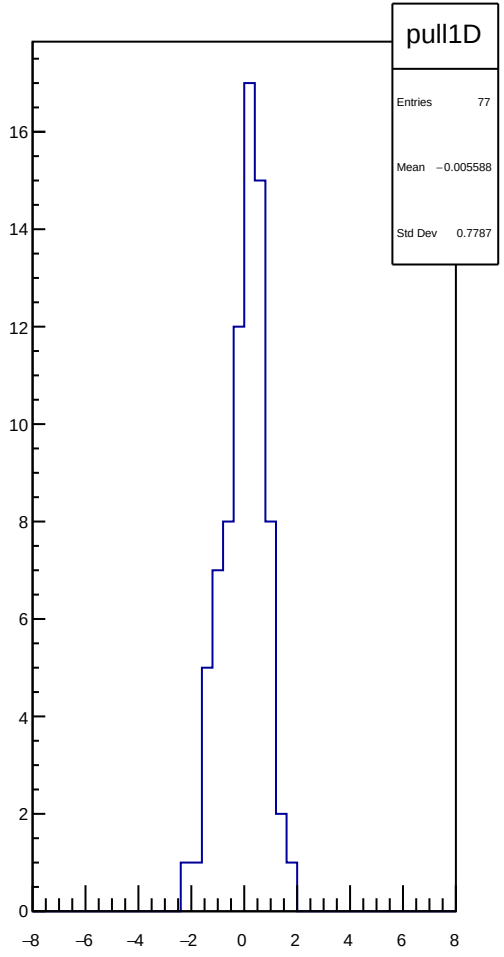

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.75 / 76
p0 2.909 ± 0.5061
pull
Entries 77
Mean −416.7
Std Dev 452.7

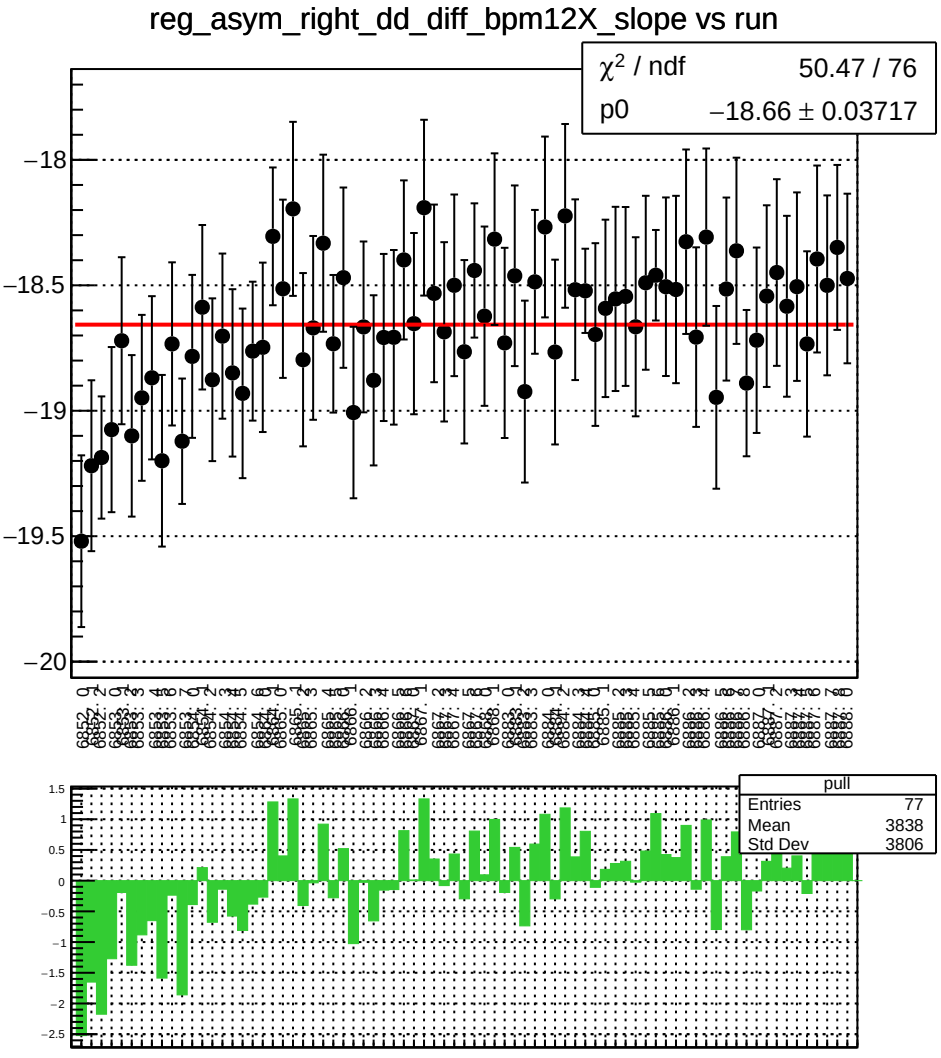

pull1D
Entries 77
Mean 0.01678
Std Dev 0.7449

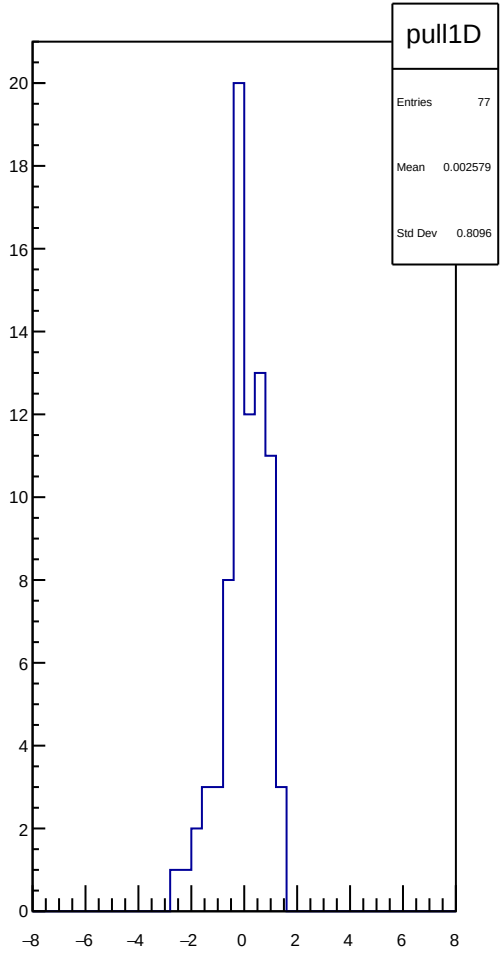

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 114 / 76
p0 58.48 ± 0.8602
pull
Entries 77
Mean −248.7
Std Dev 266.7

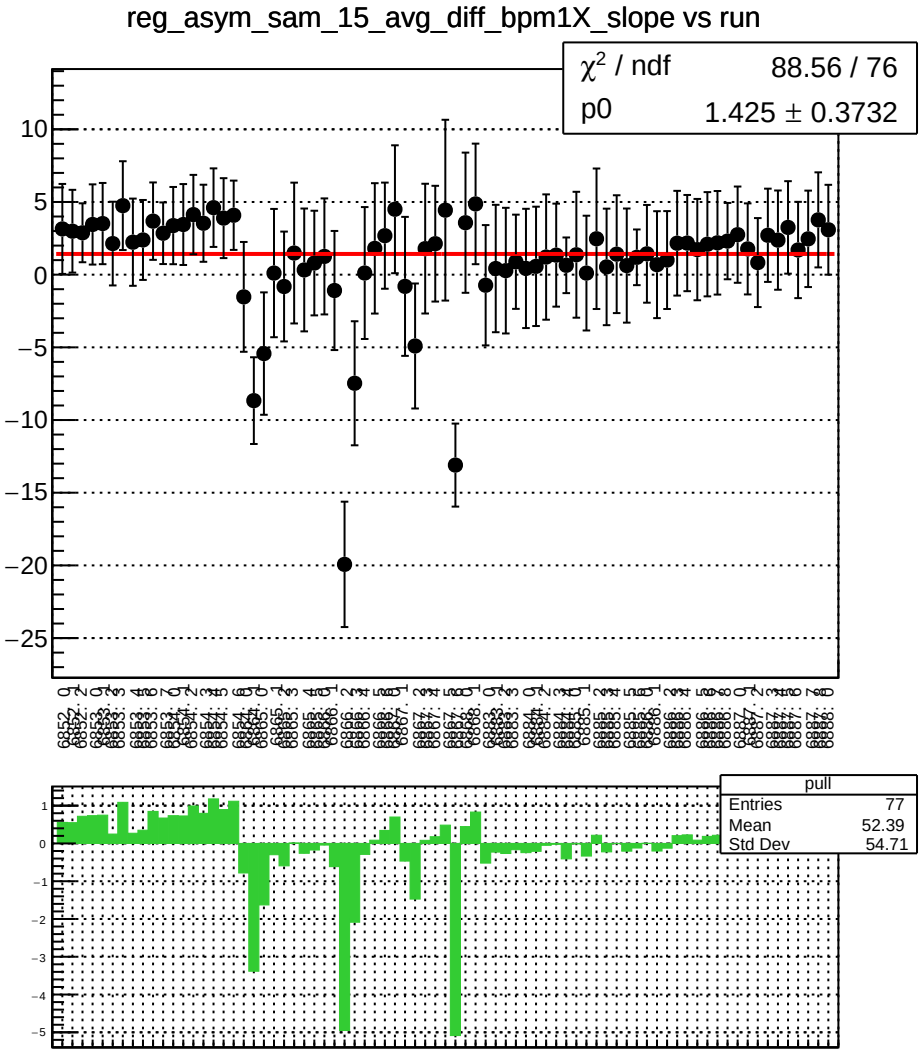

pull1D
Entries 77
Mean 0.02305
Std Dev 1.217

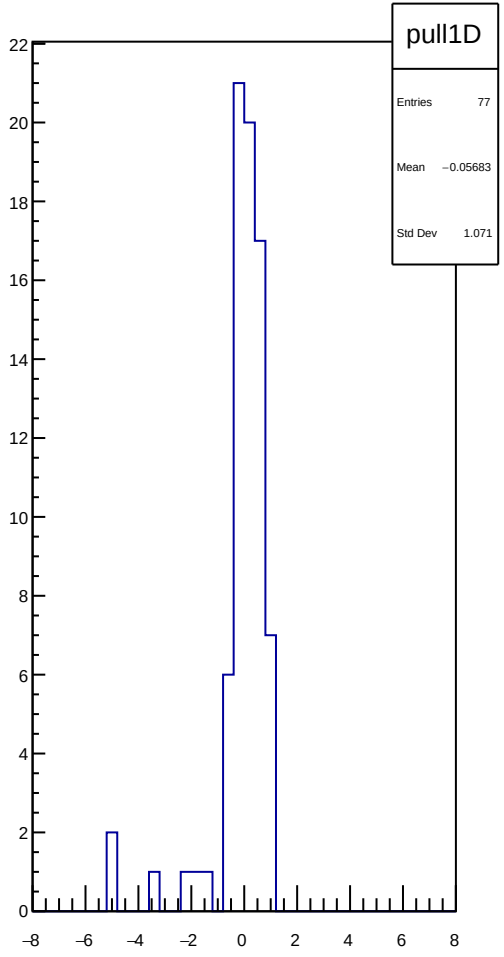

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.7 / 76
p0 3.423 ± 0.6585
pull
Entries 77
Mean −1517
Std Dev 1553


pull1D
Entries 77
Mean −0.005588
Std Dev 0.7787

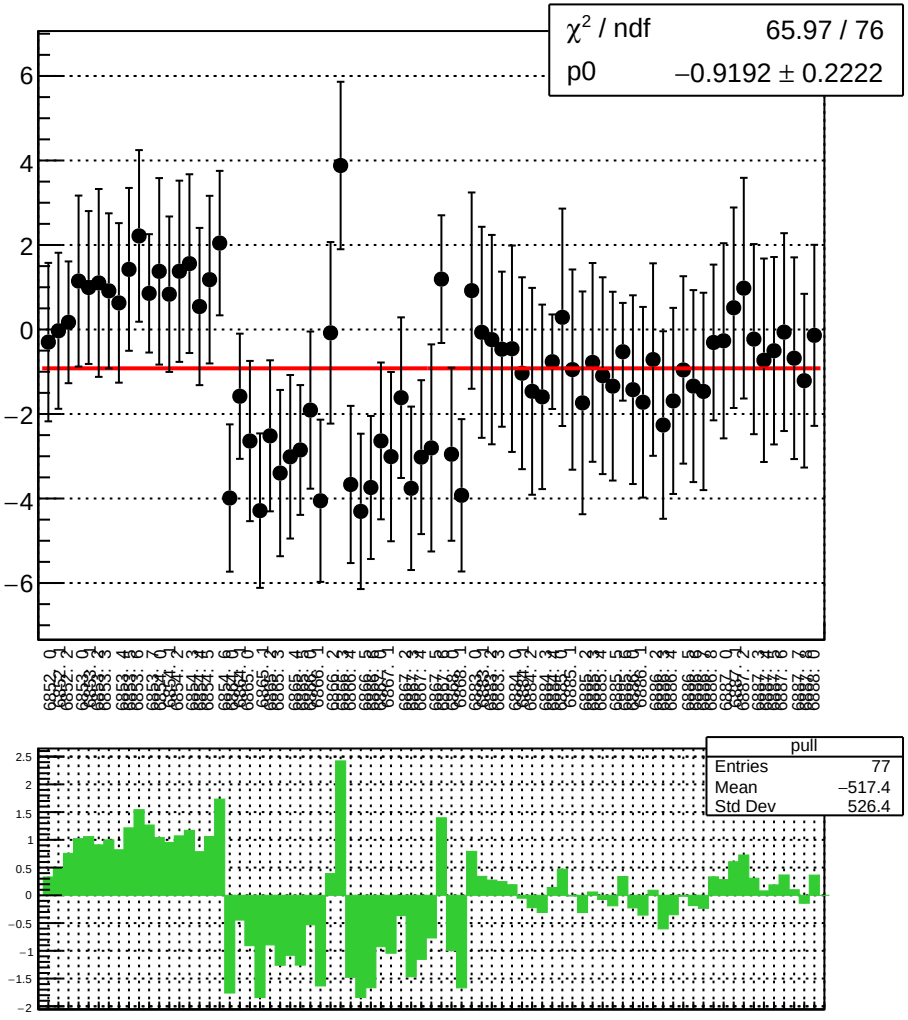

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 50.47 / 76
p0 −18.66 ± 0.03717
pull
Entries 77
Mean 3838
Std Dev 3806

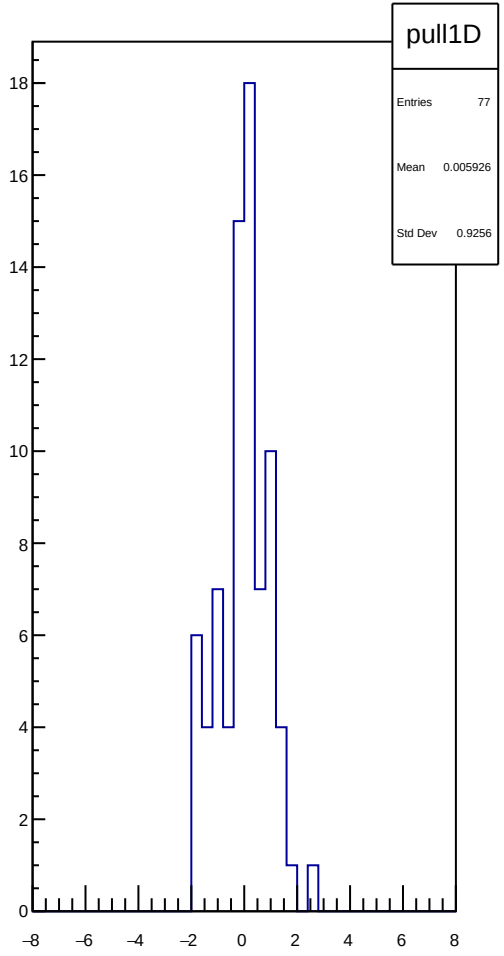

pull1D
Entries 77
Mean 0.002579
Std Dev 0.8096


reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 88.56 / 76
p0 1.425 ± 0.3732
pull
Entries 77
Mean 52.39
Std Dev 54.71

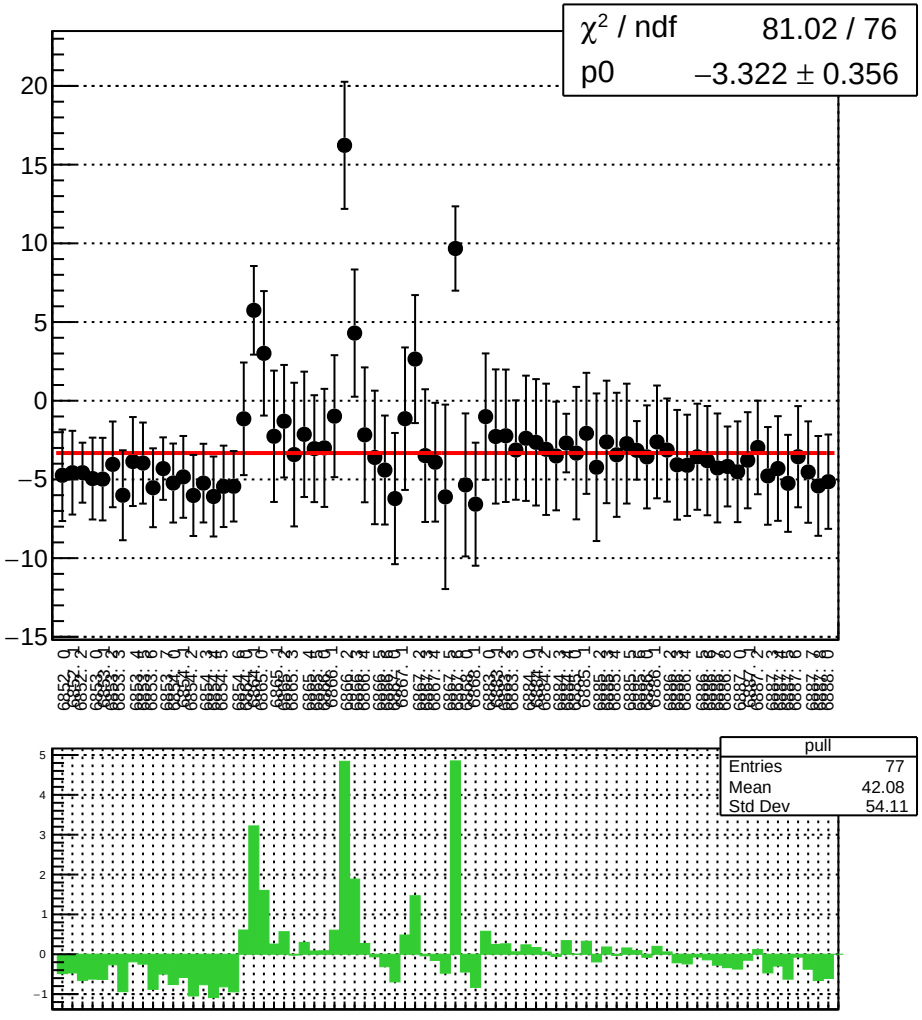

pull1D
Entries 77
Mean −0.05683
Std Dev 1.071

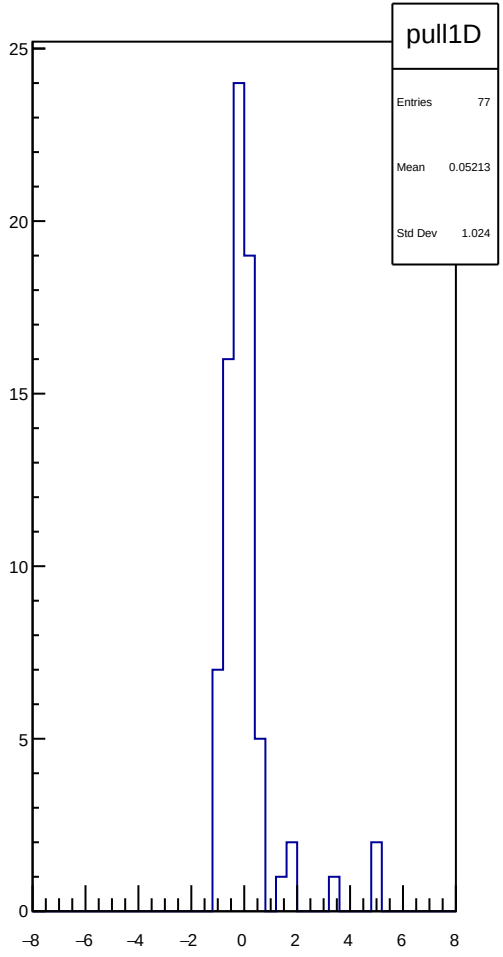
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

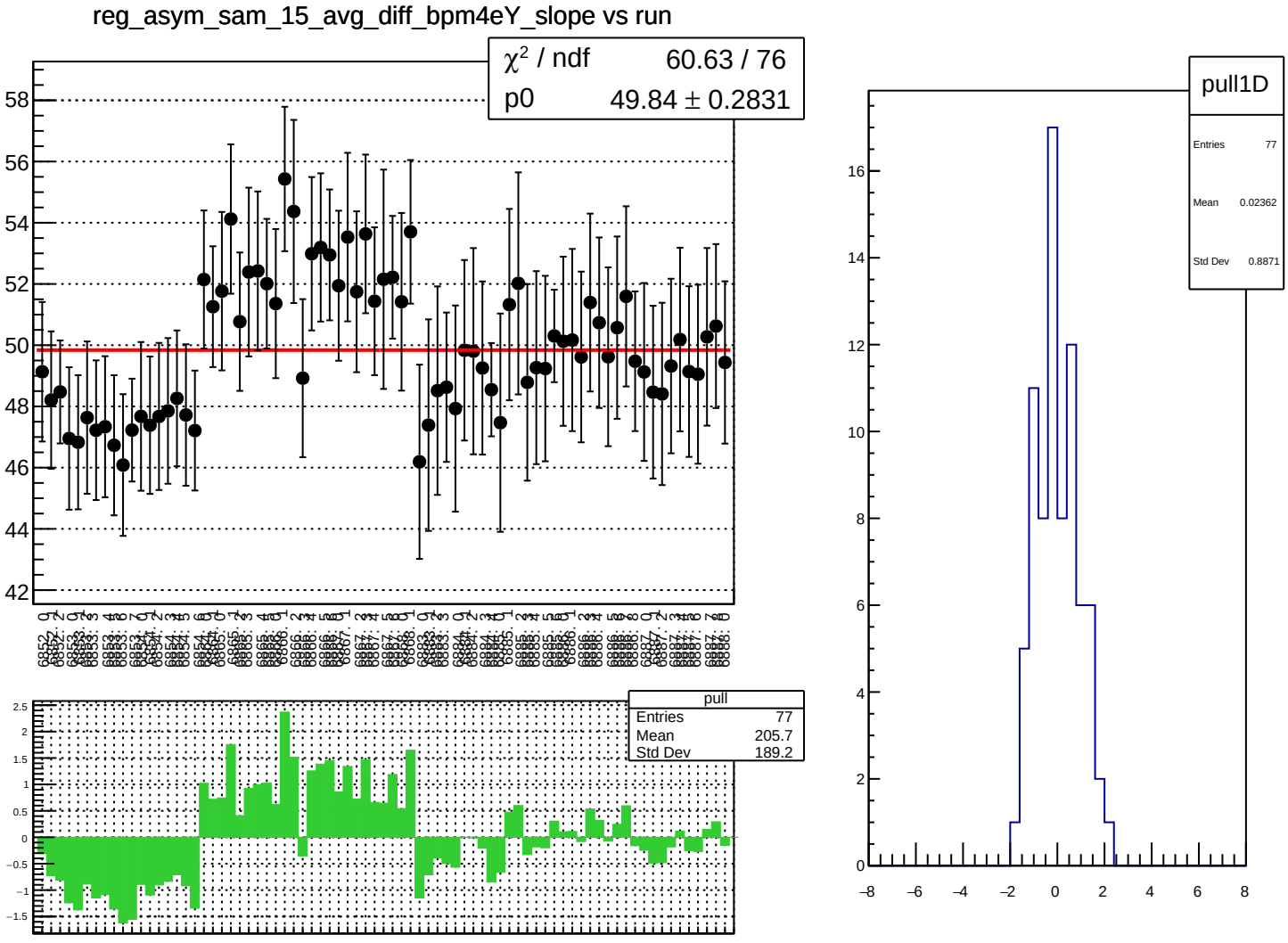


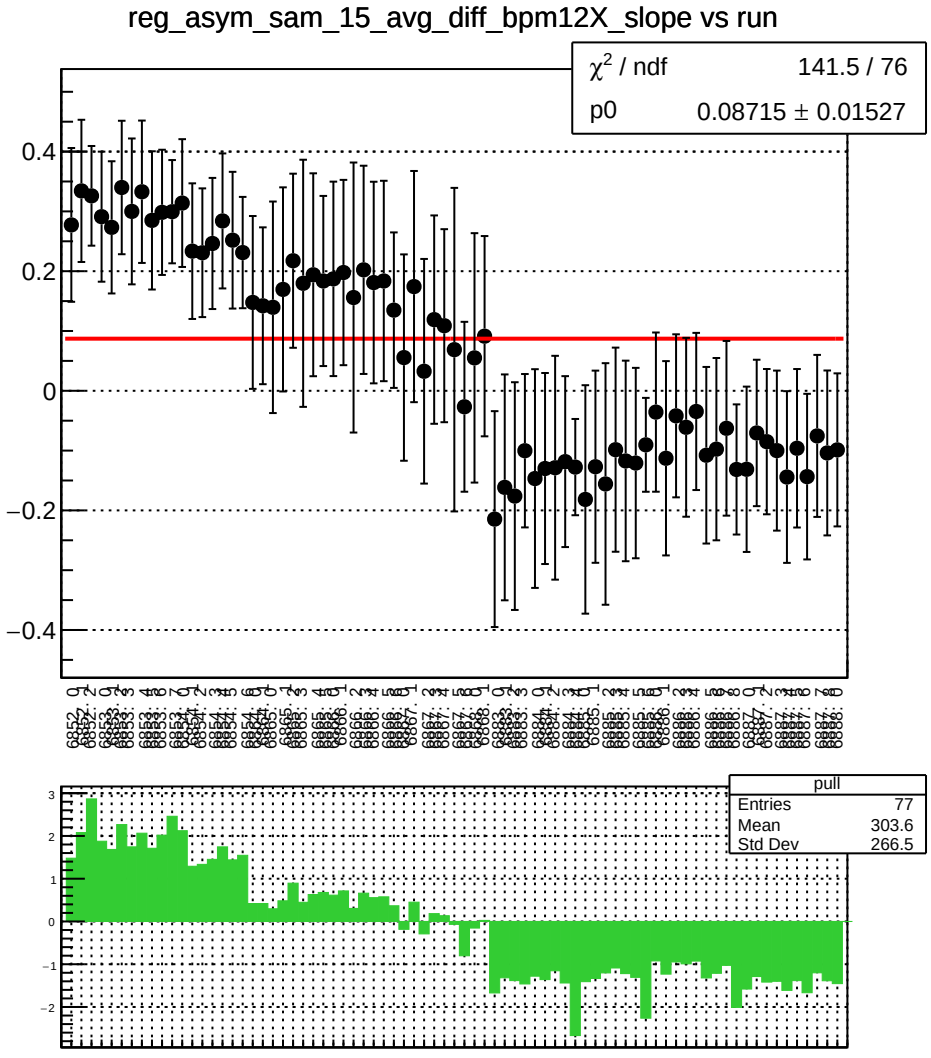


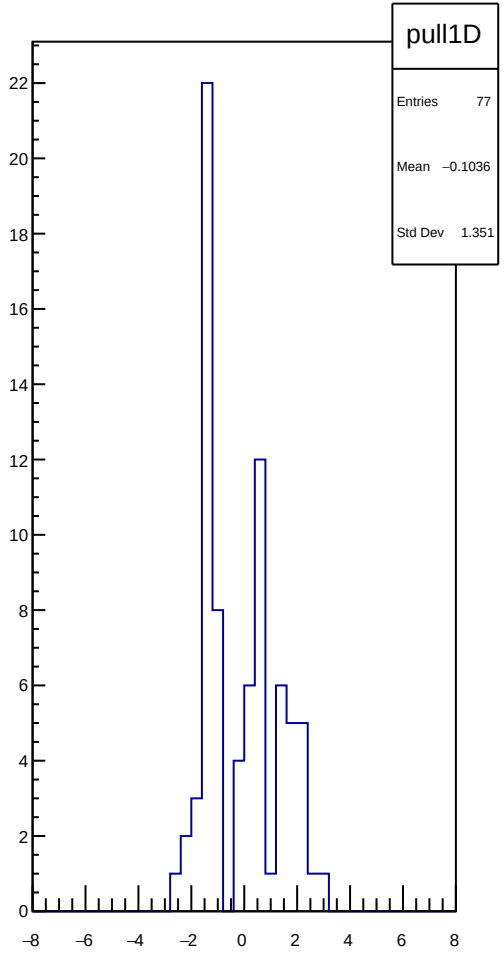
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

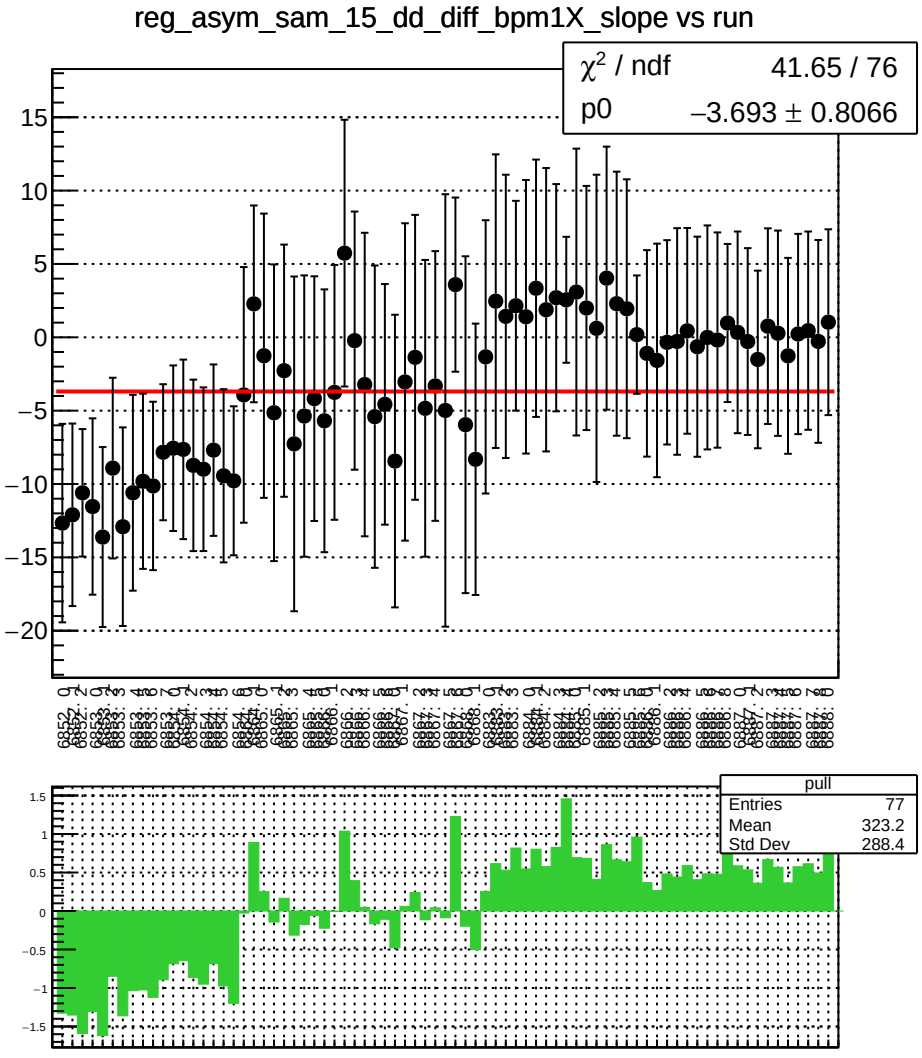


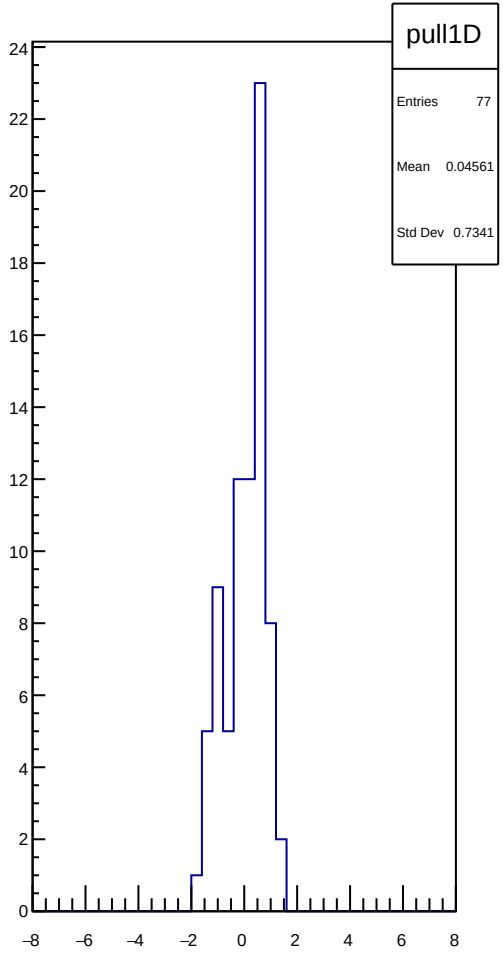


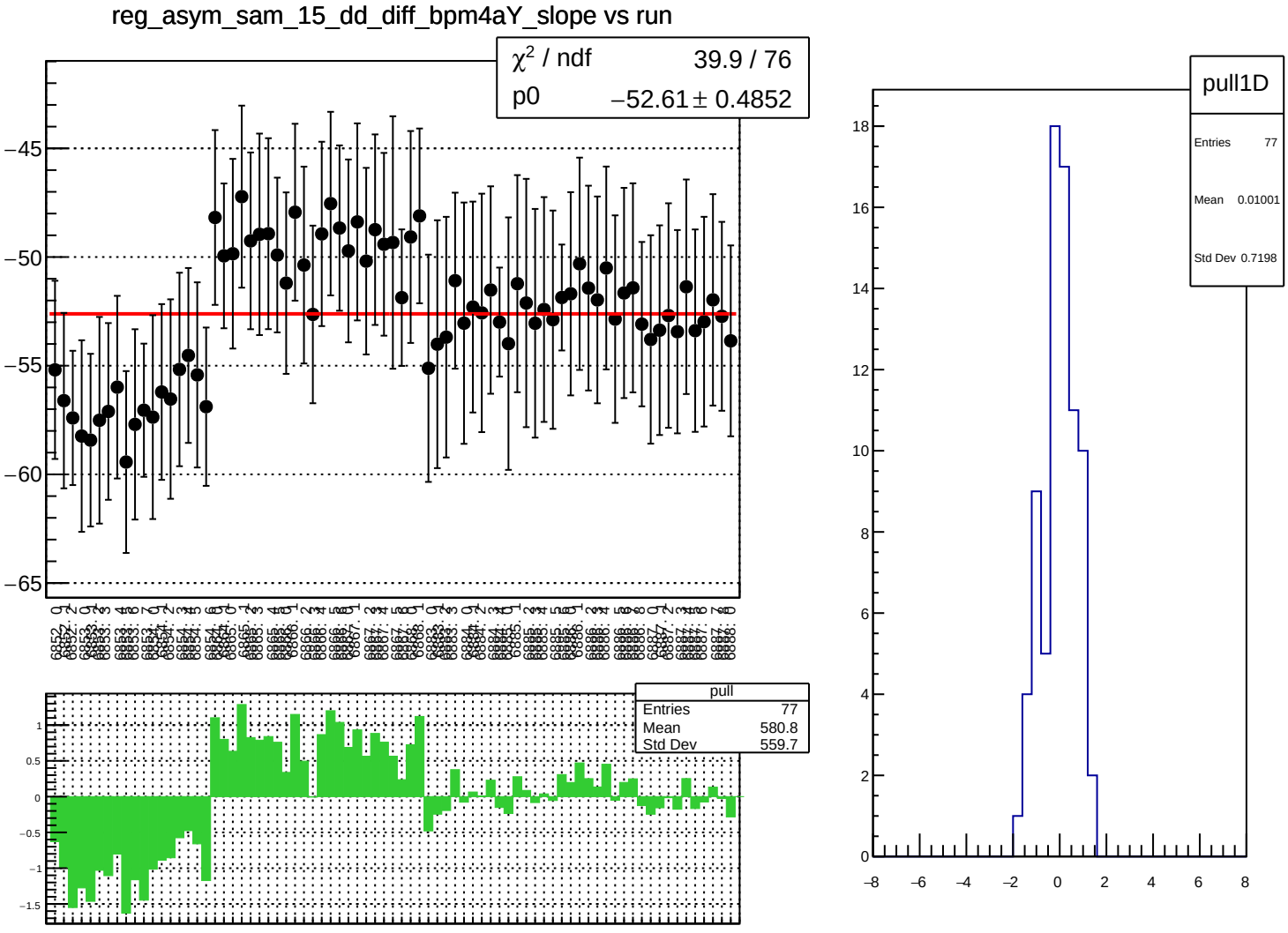

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.63 / 76
p0 49.84 ± 0.2831
pull
Entries 77
Mean 205.7
Std Dev 189.2
pull1D
Entries 77
Mean 0.02362
Std Dev 0.8871

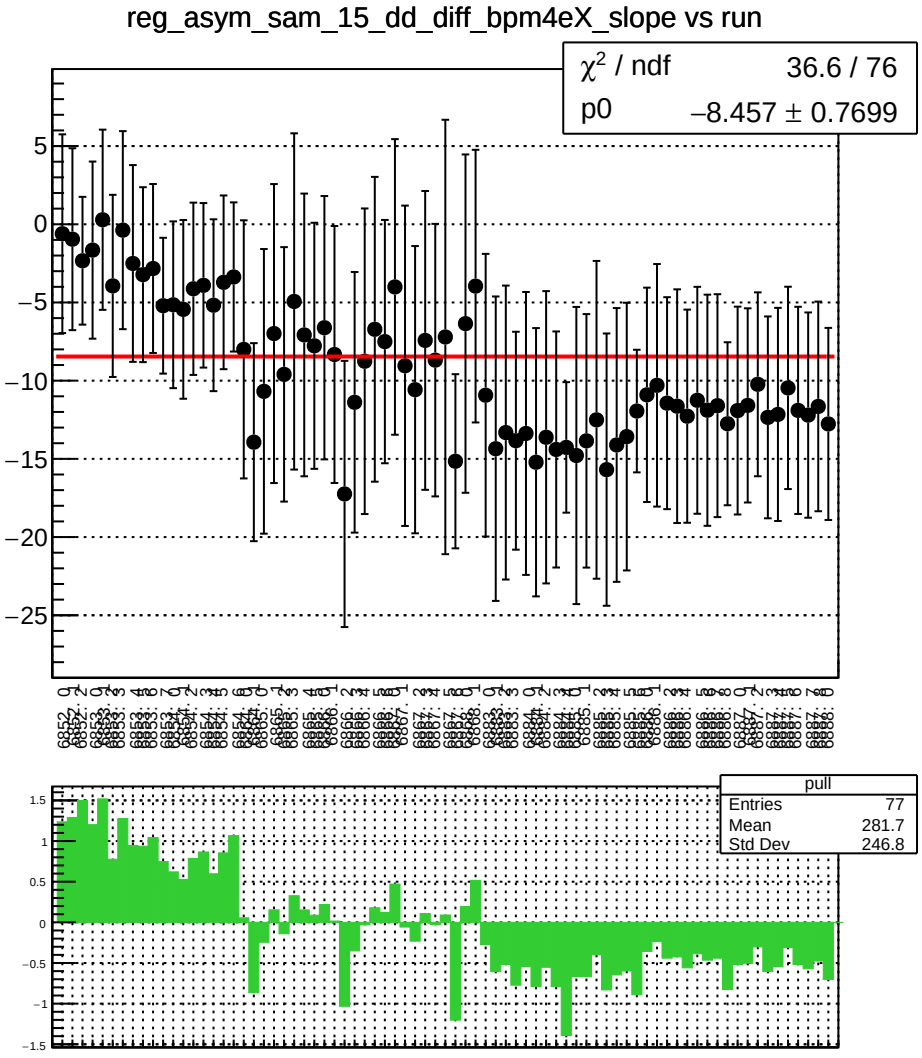

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 141.5 / 76
p0 0.08715 ± 0.01527
pull
Entries 77
Mean 303.6
Std Dev 266.5

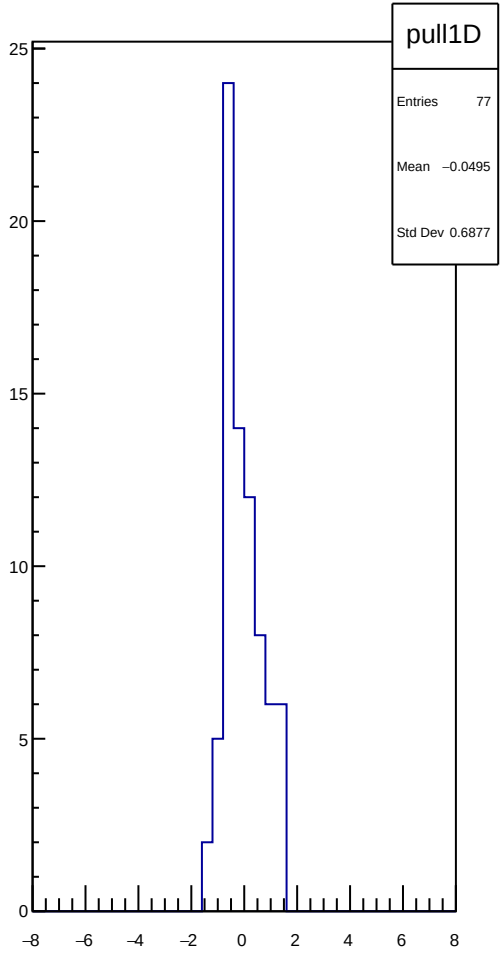

pull1D
Entries 77
Mean −0.1036
Std Dev 1.351

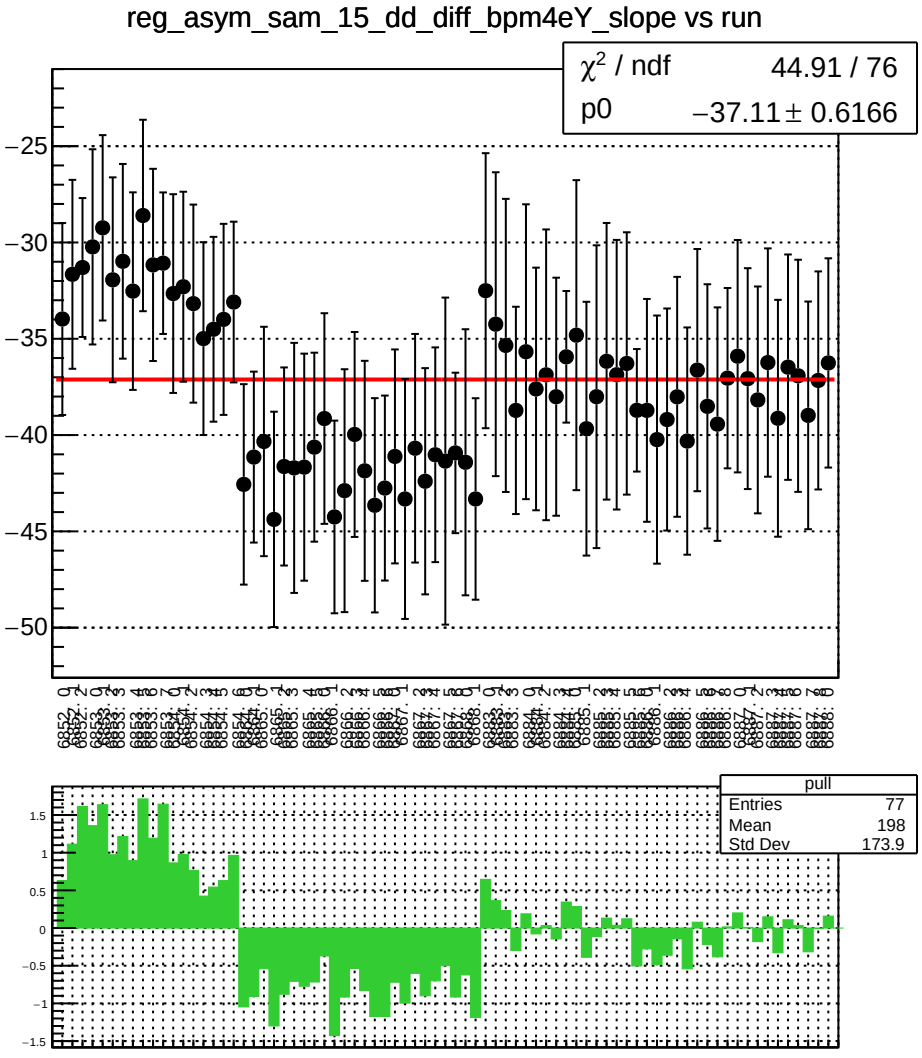

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 41.65 / 76
p0 −3.693 ± 0.8066
pull
Entries 77
Mean 323.2
Std Dev 288.4

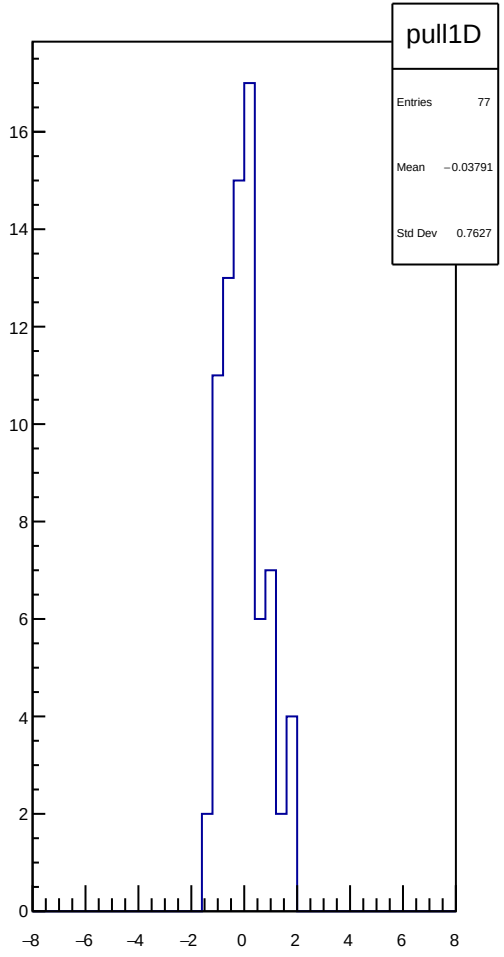

pull1D
Entries 77
Mean 0.04561
Std Dev 0.7341

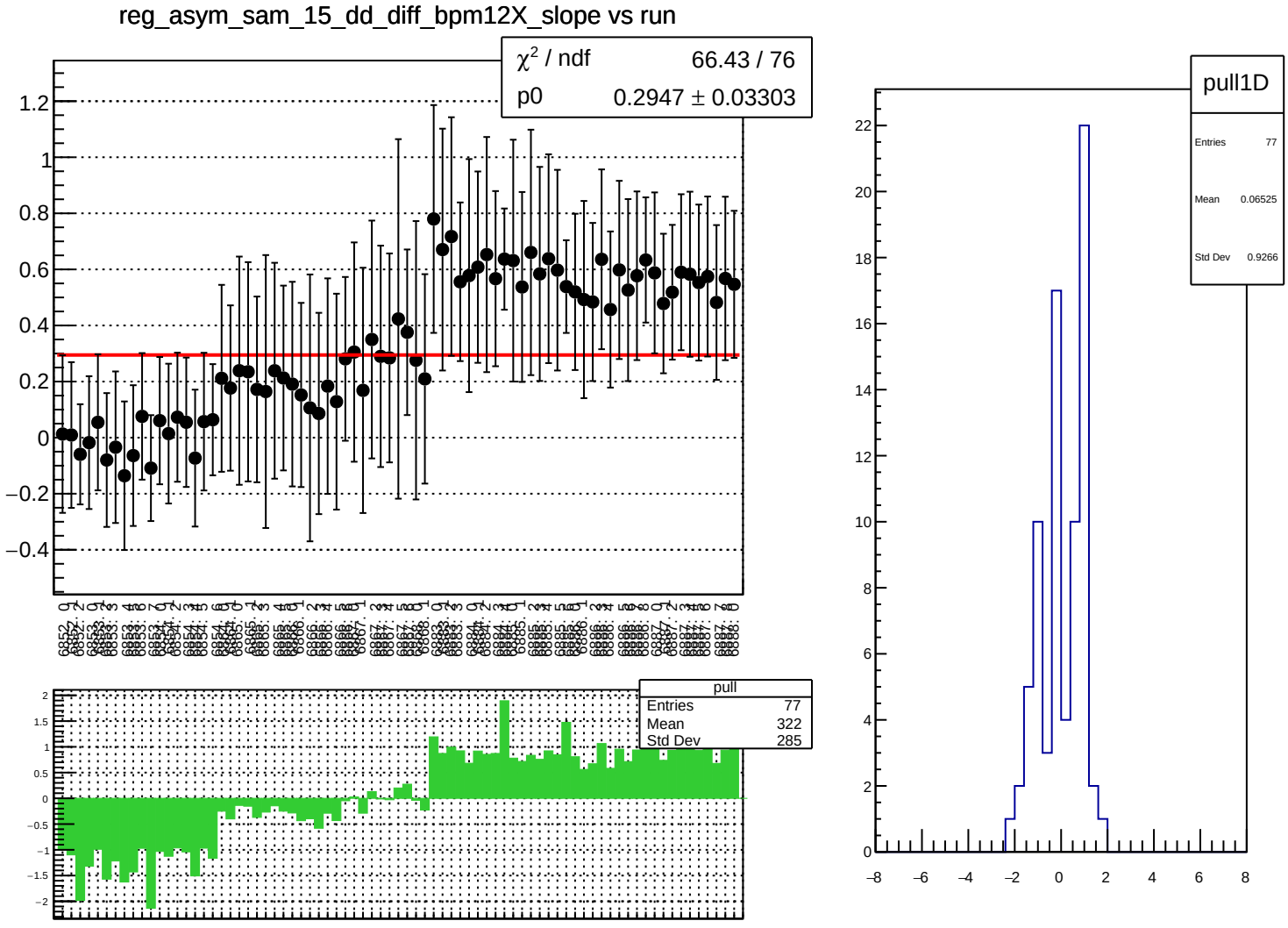

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.9 / 76
p0 −52.61 ± 0.4852
pull
Entries 77
Mean 580.8
Std Dev 559.7
pull1D
Entries 77
Mean 0.01001
Std Dev 0.7198

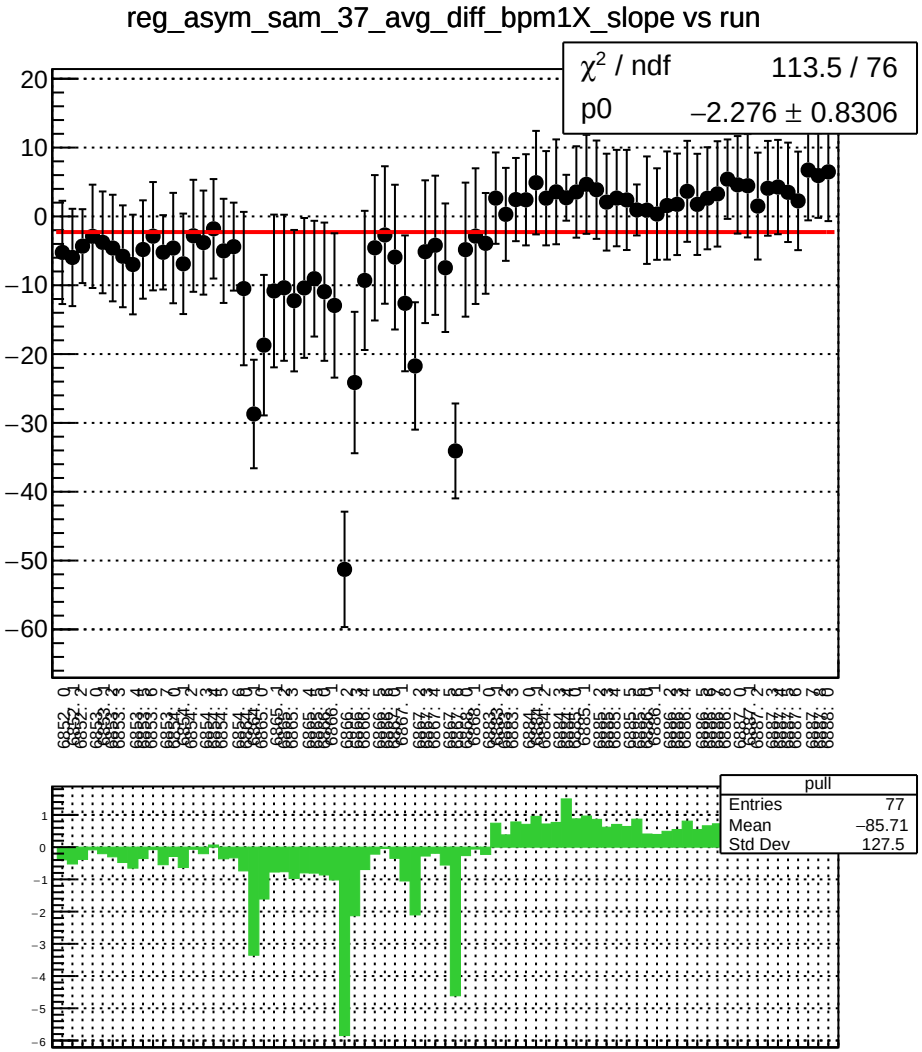

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.6 / 76
p0 −8.457 ± 0.7699
pull
Entries 77
Mean 281.7
Std Dev 246.8

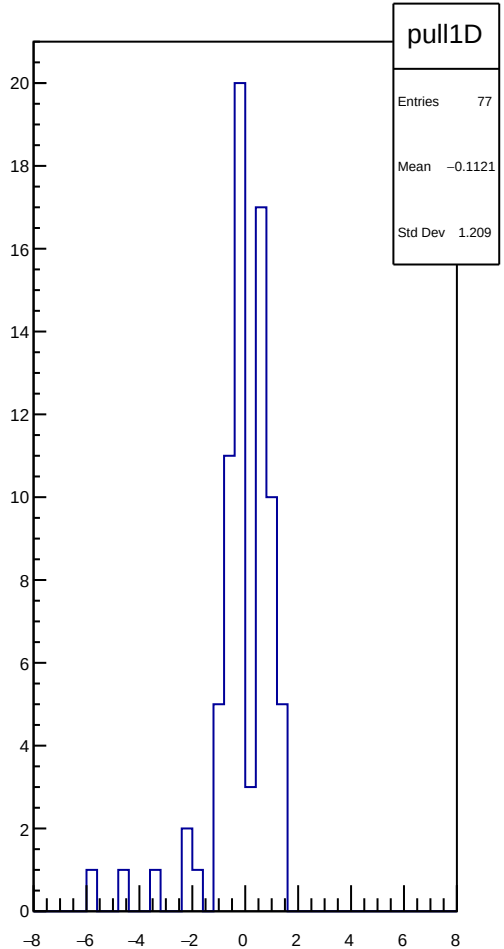

pull1D
Entries 77
Mean −0.0495
Std Dev 0.6877

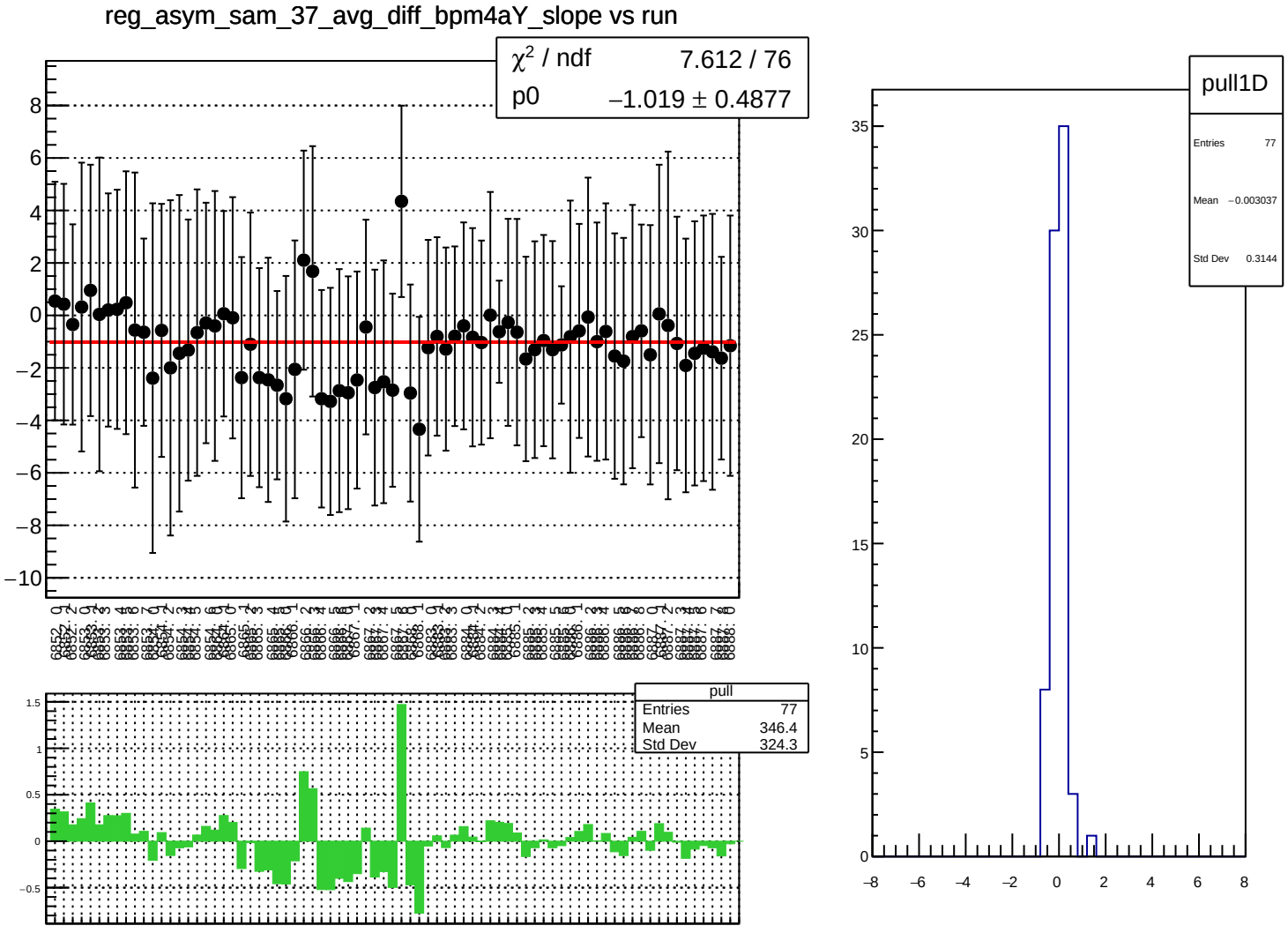

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.91 / 76
p0 −37.11 ± 0.6166
pull
Entries 77
Mean 198
Std Dev 173.9


pull1D
Entries 77
Mean −0.03791
Std Dev 0.7627

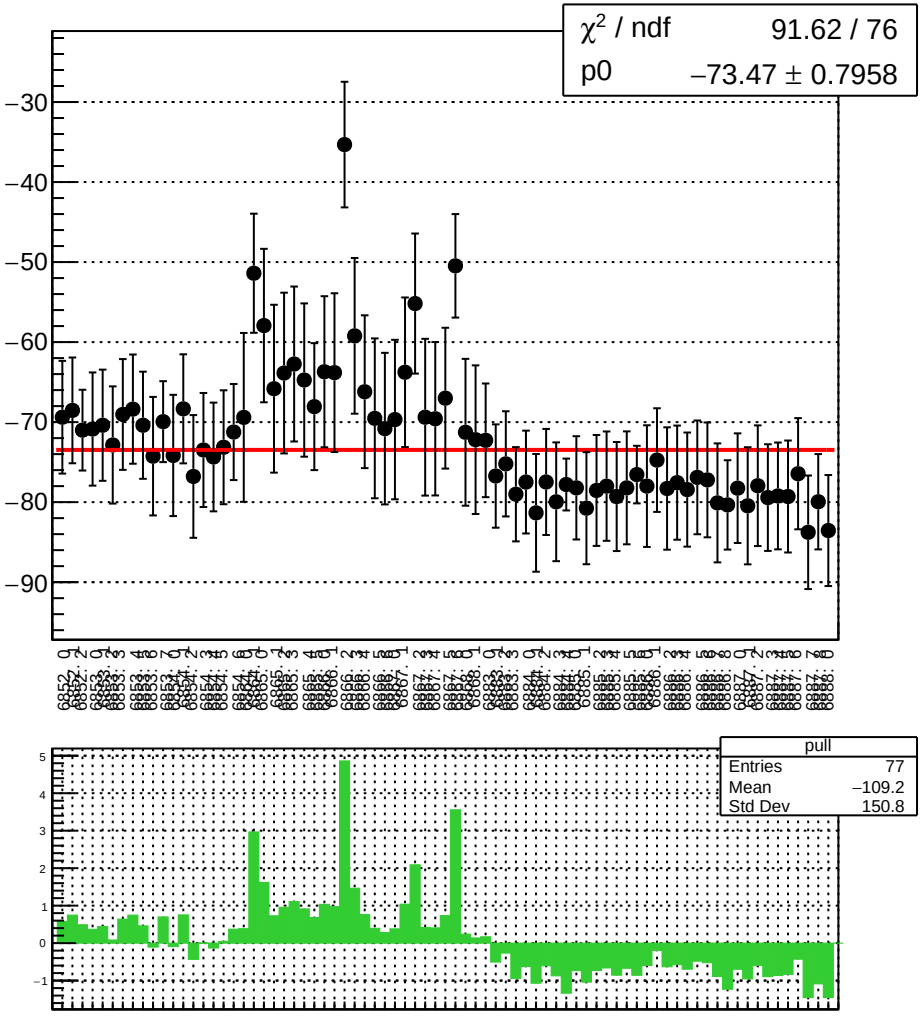

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 66.43 / 76
p0 0.2947 ± 0.03303
pull
Entries 77
Mean 322
Std Dev 285
pull1D
Entries 77
Mean 0.06525
Std Dev 0.9266

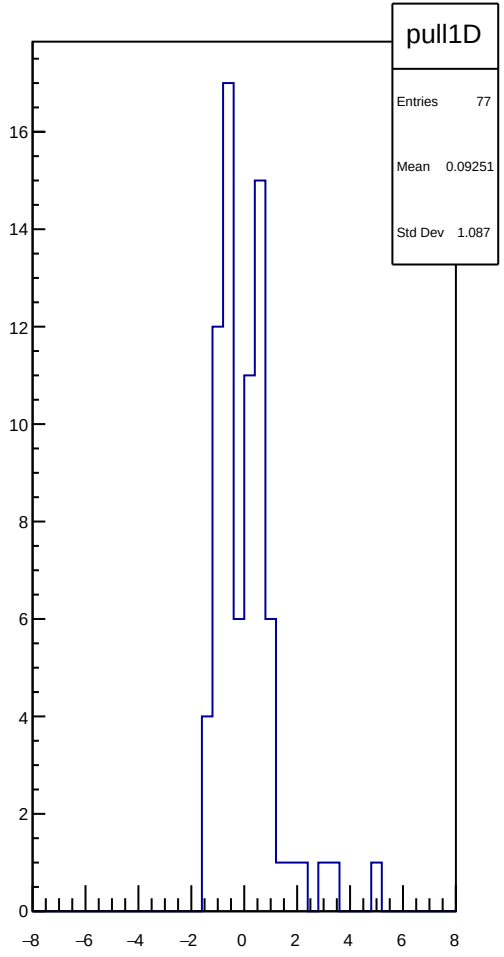

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 113.5 / 76
p0 −2.276 ± 0.8306
pull
Entries 77
Mean −85.71
Std Dev 127.5

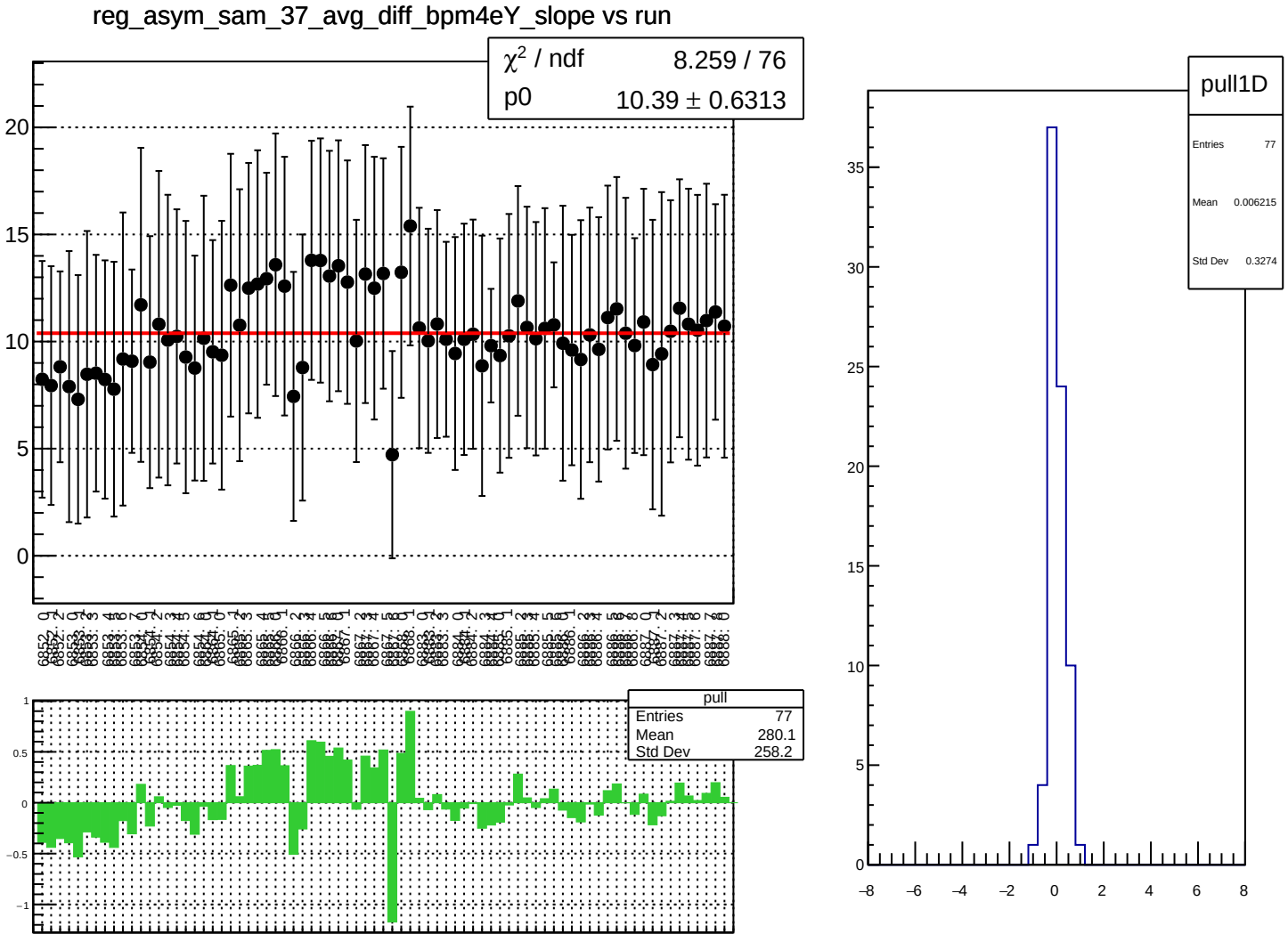

pull1D
Entries 77
Mean −0.1121
Std Dev 1.209

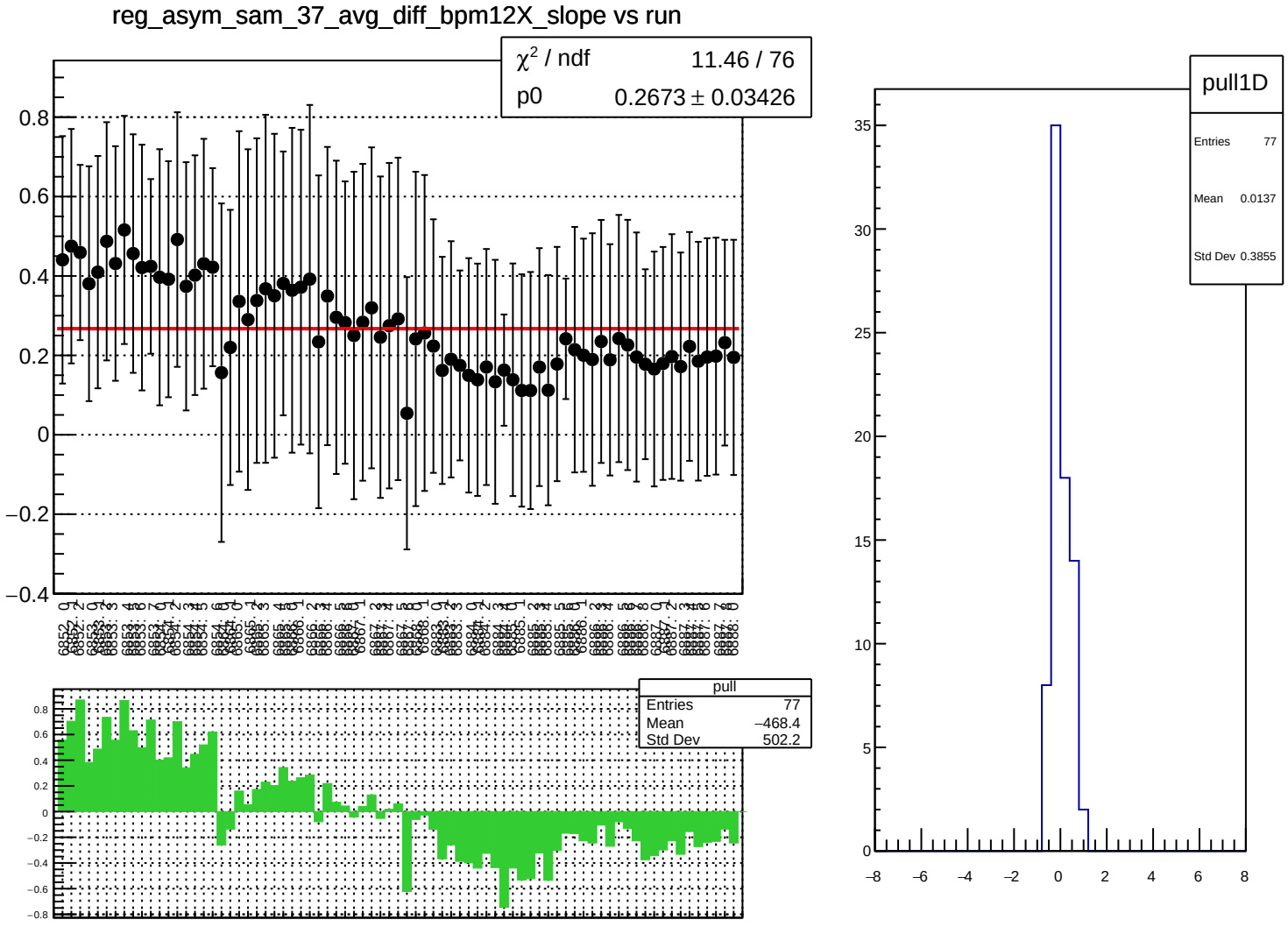

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.612 / 76
p0 −1.019 ± 0.4877
pull
Entries 77
Mean 346.4
Std Dev 324.3
pull1D
Entries 77
Mean −0.003037
Std Dev 0.3144

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run

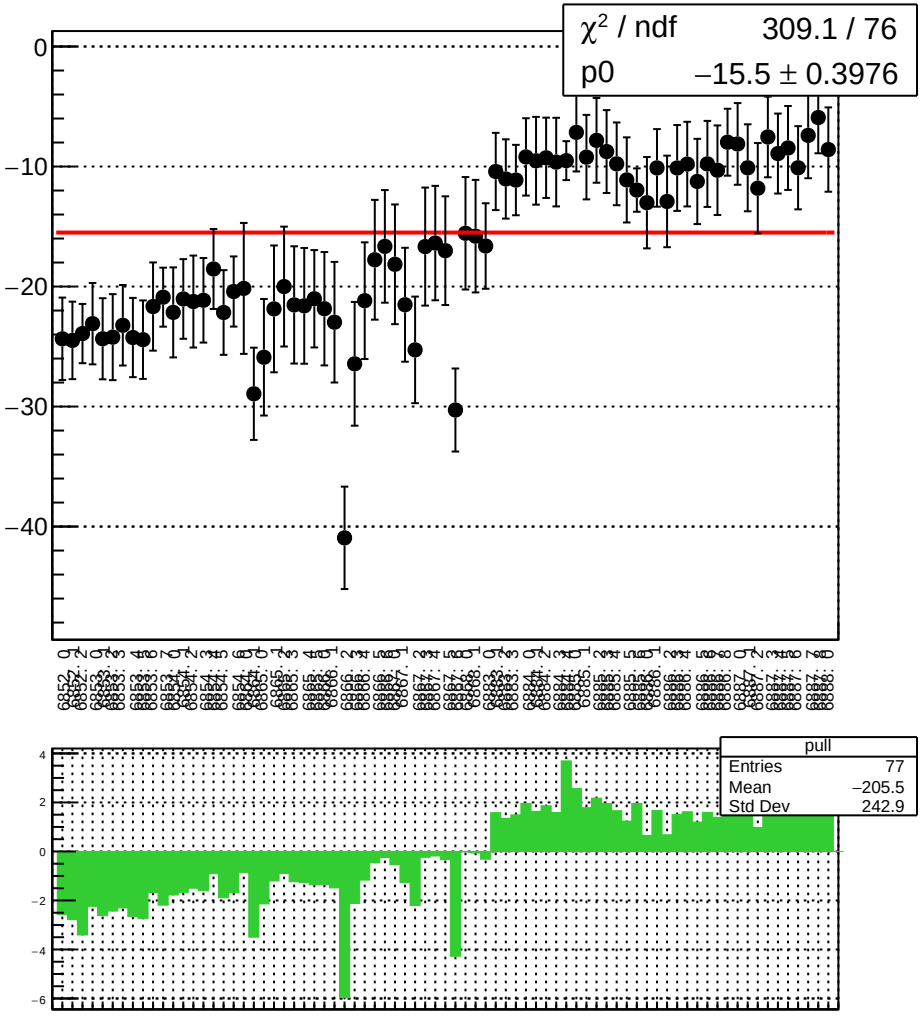


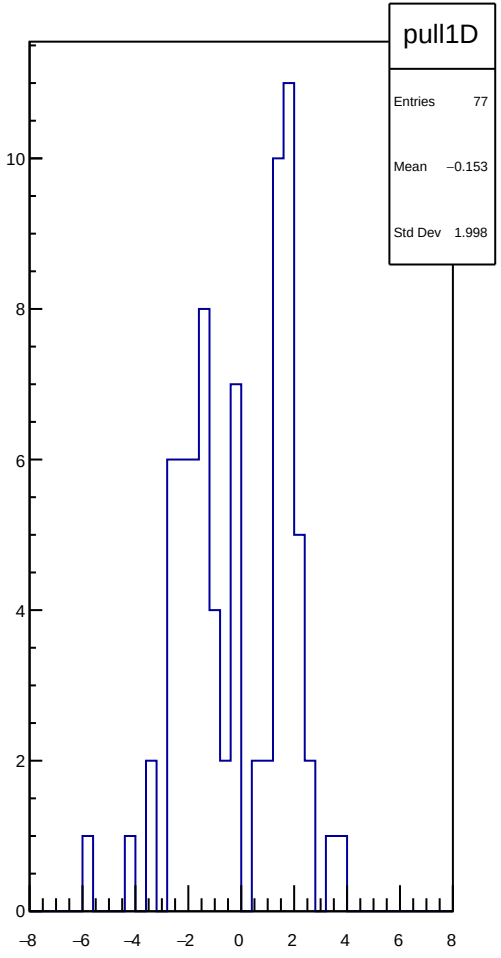


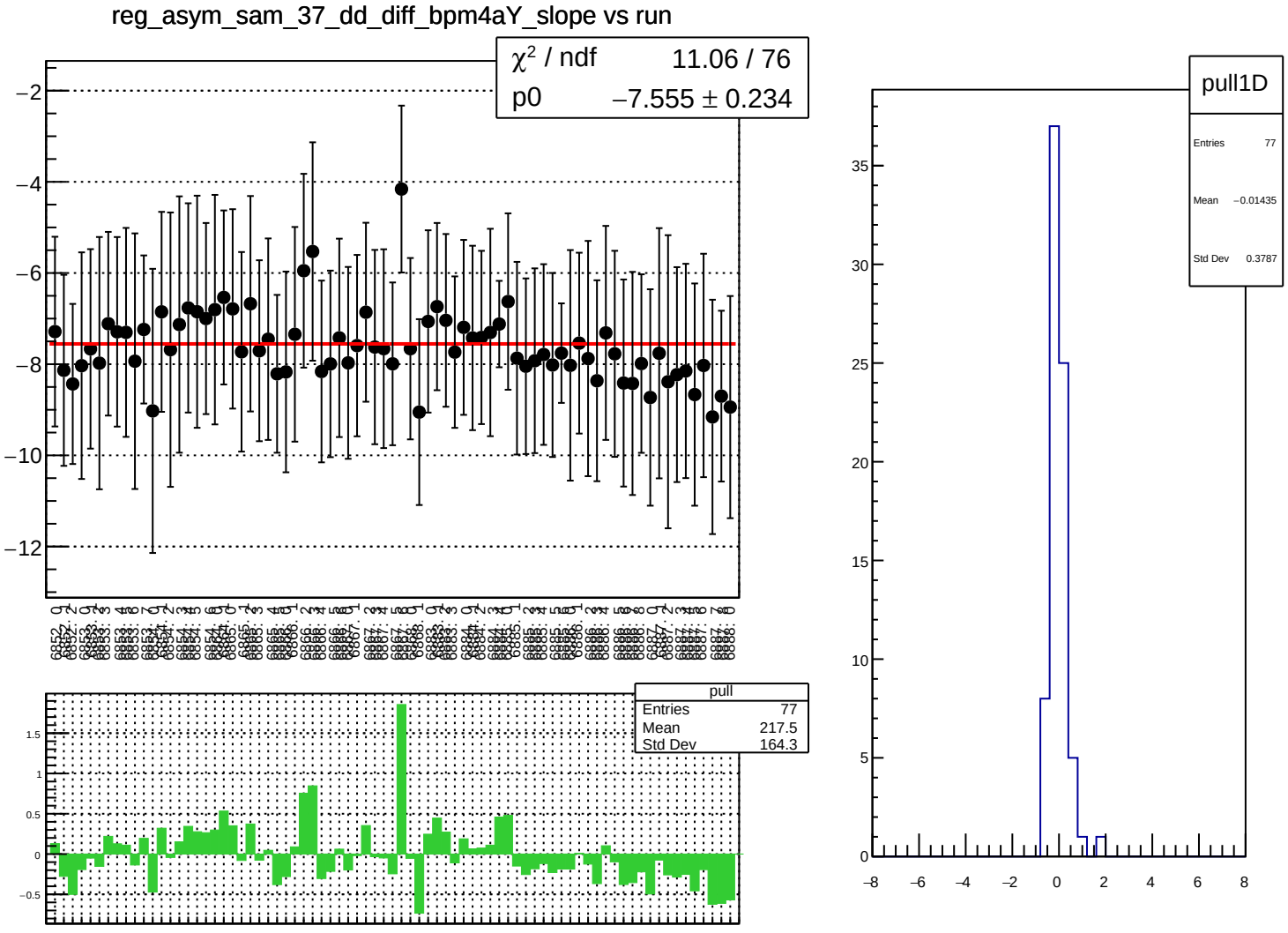

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.259 / 76
p0 10.39 ± 0.6313
pull
Entries 77
Mean 280.1
Std Dev 258.2
pull1D
Entries 77
Mean 0.006215
Std Dev 0.3274

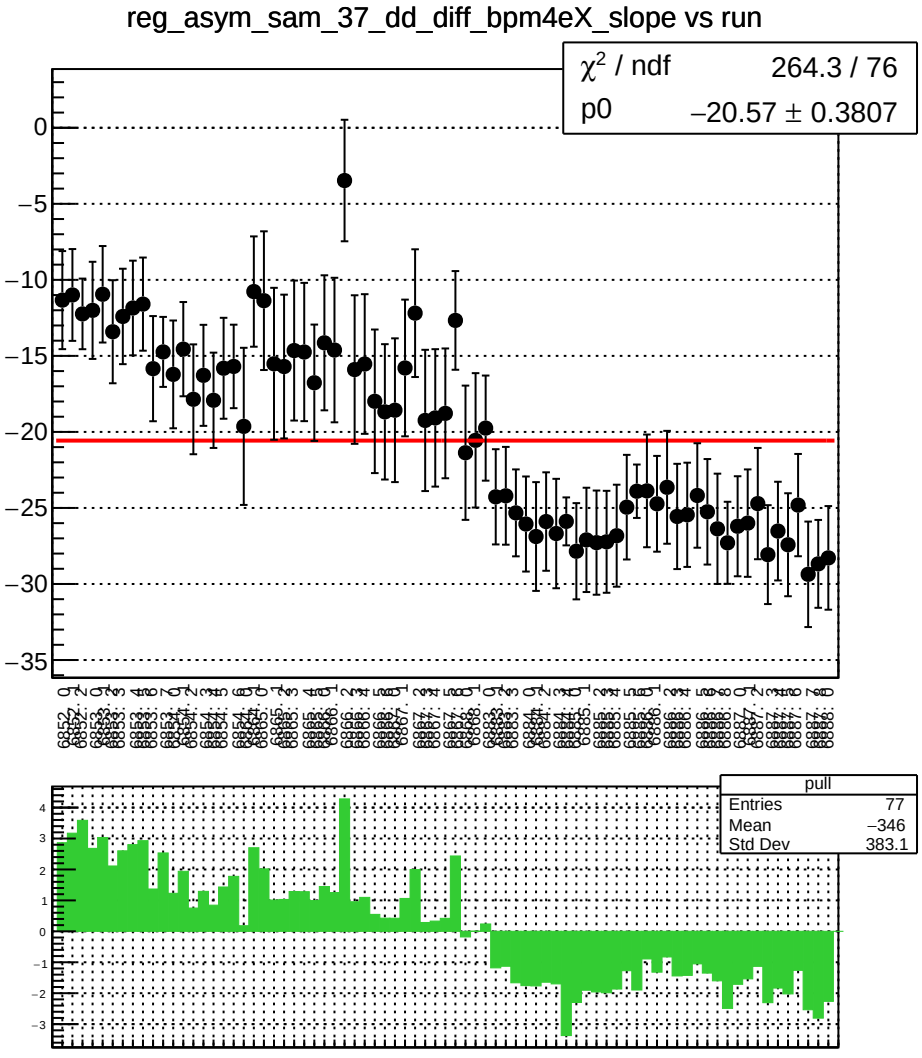

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 11.46 / 76
p0 0.2673 ± 0.03426
pull
Entries 77
Mean −468.4
Std Dev 502.2
pull1D
Entries 77
Mean 0.0137
Std Dev 0.3855

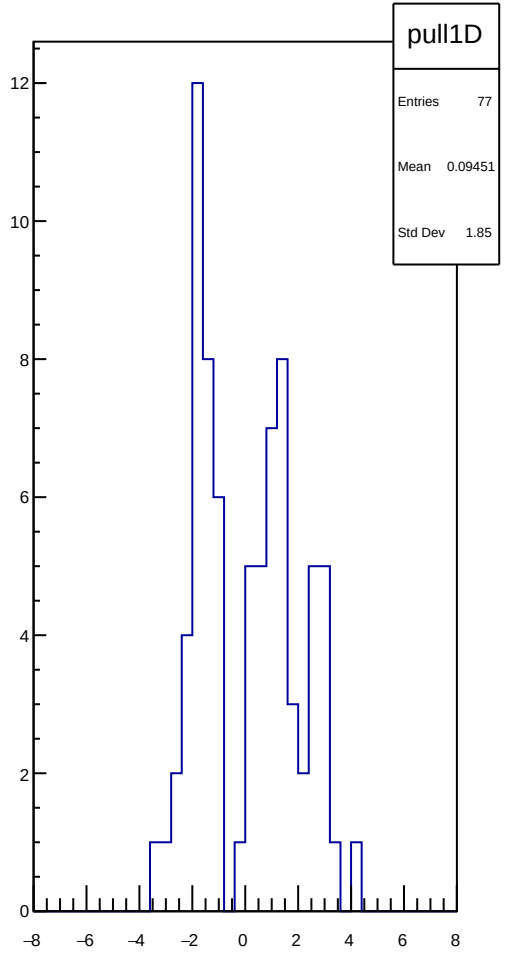
reg_asym_sam_37_dd_diff_bpm1X_slope vs run

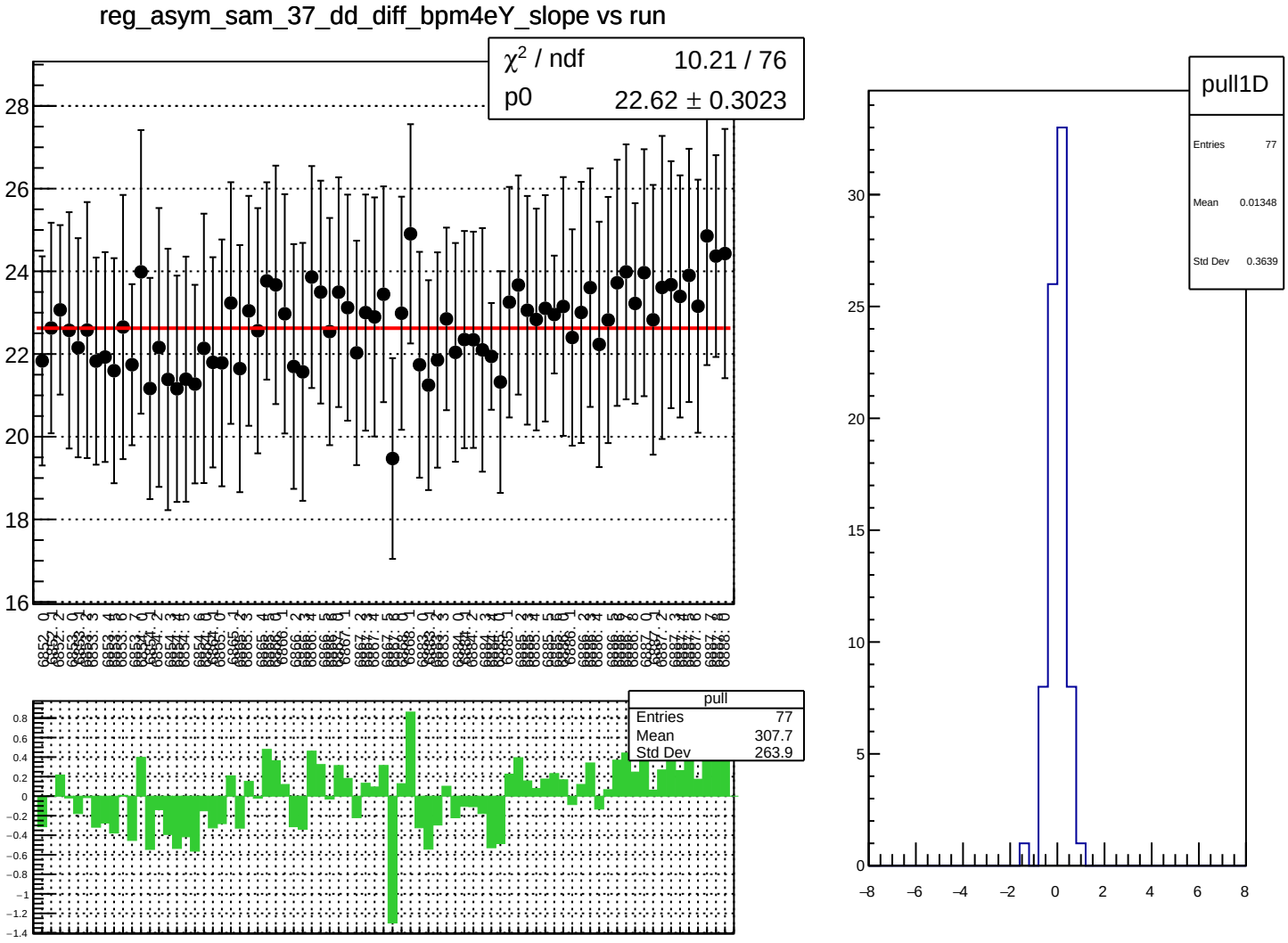


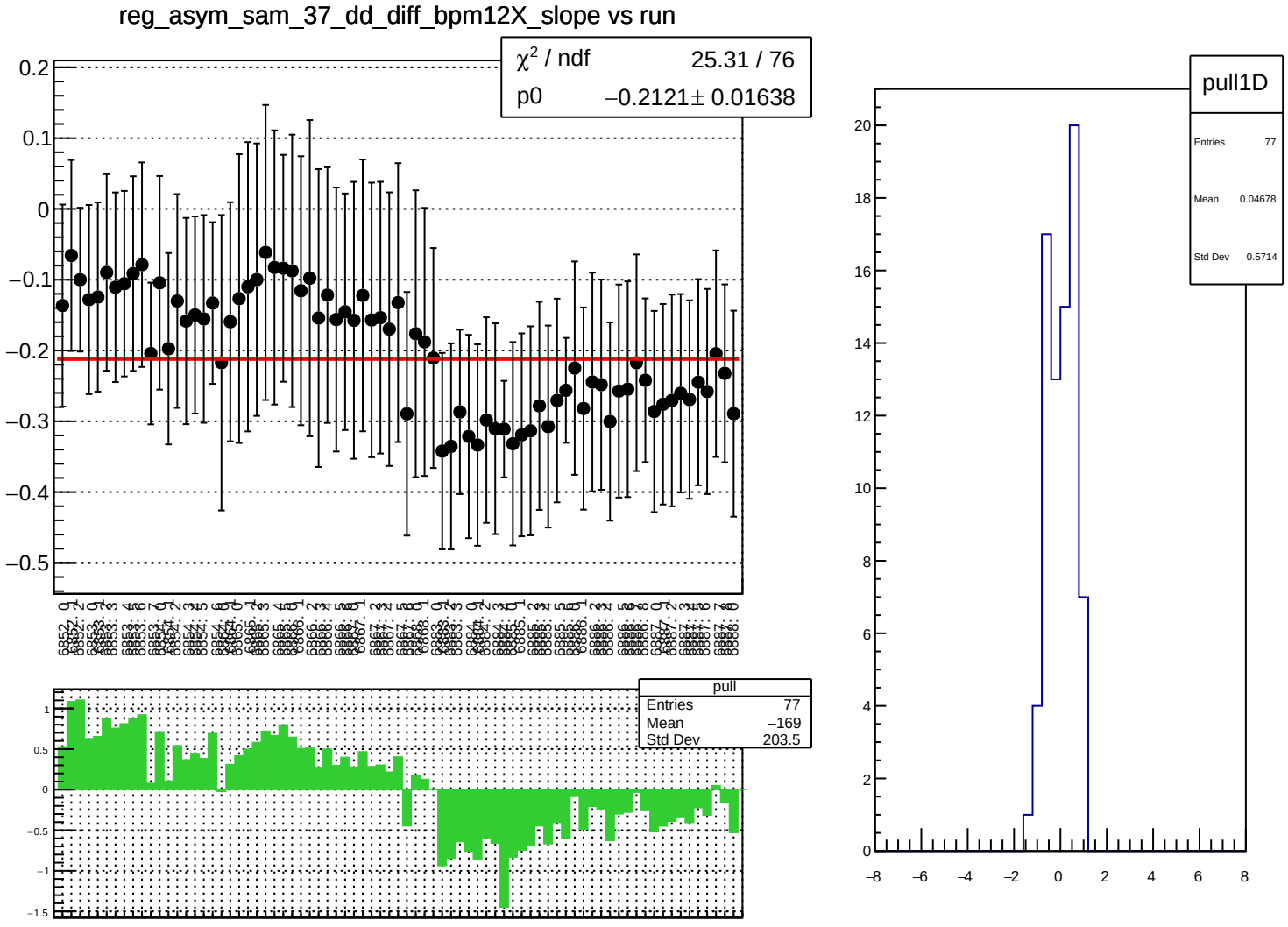


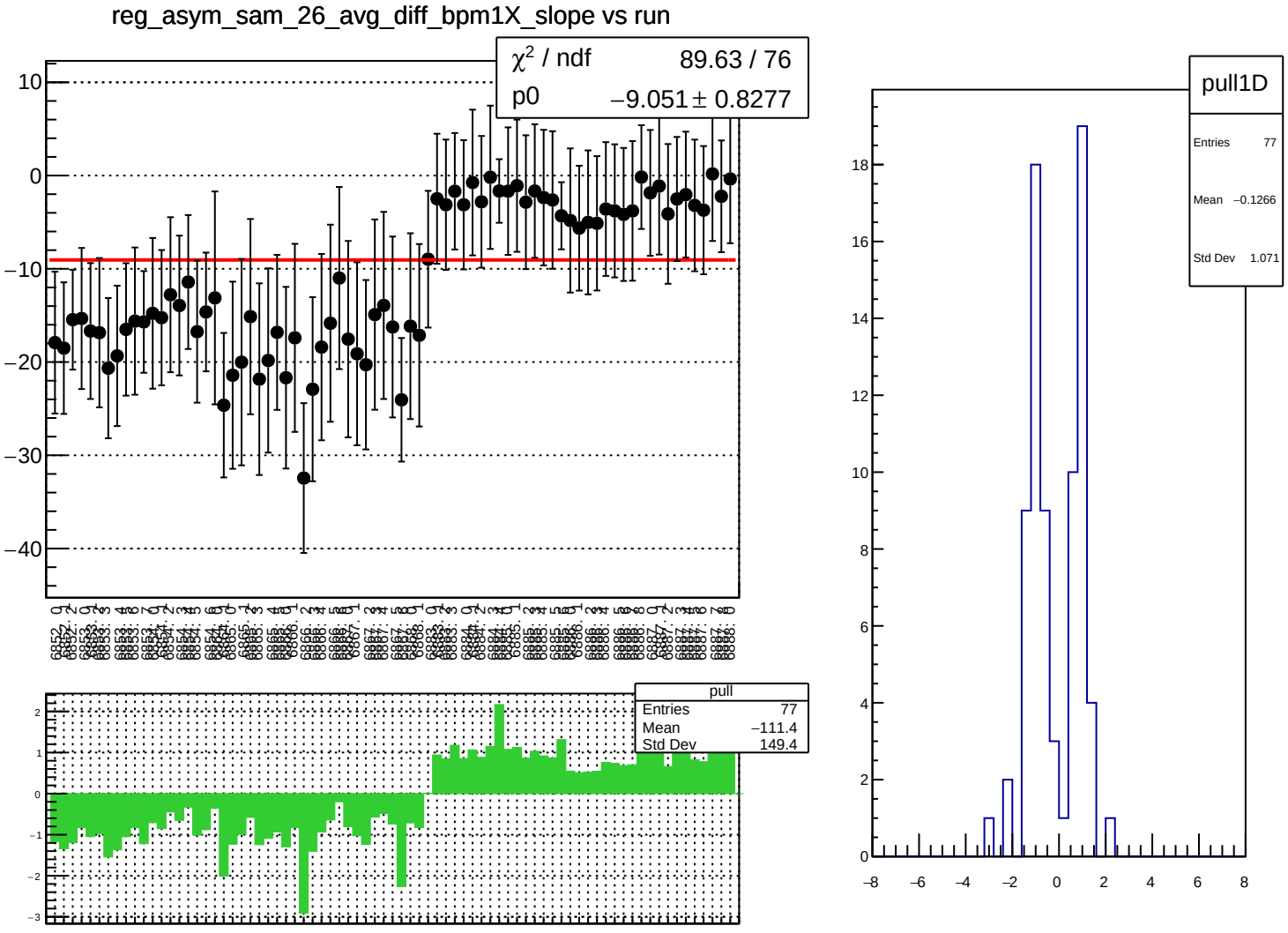

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.06 / 76
p0 −7.555 ± 0.234
pull
Entries 77
Mean 217.5
Std Dev 164.3
pull1D
Entries 77
Mean −0.01435
Std Dev 0.3787

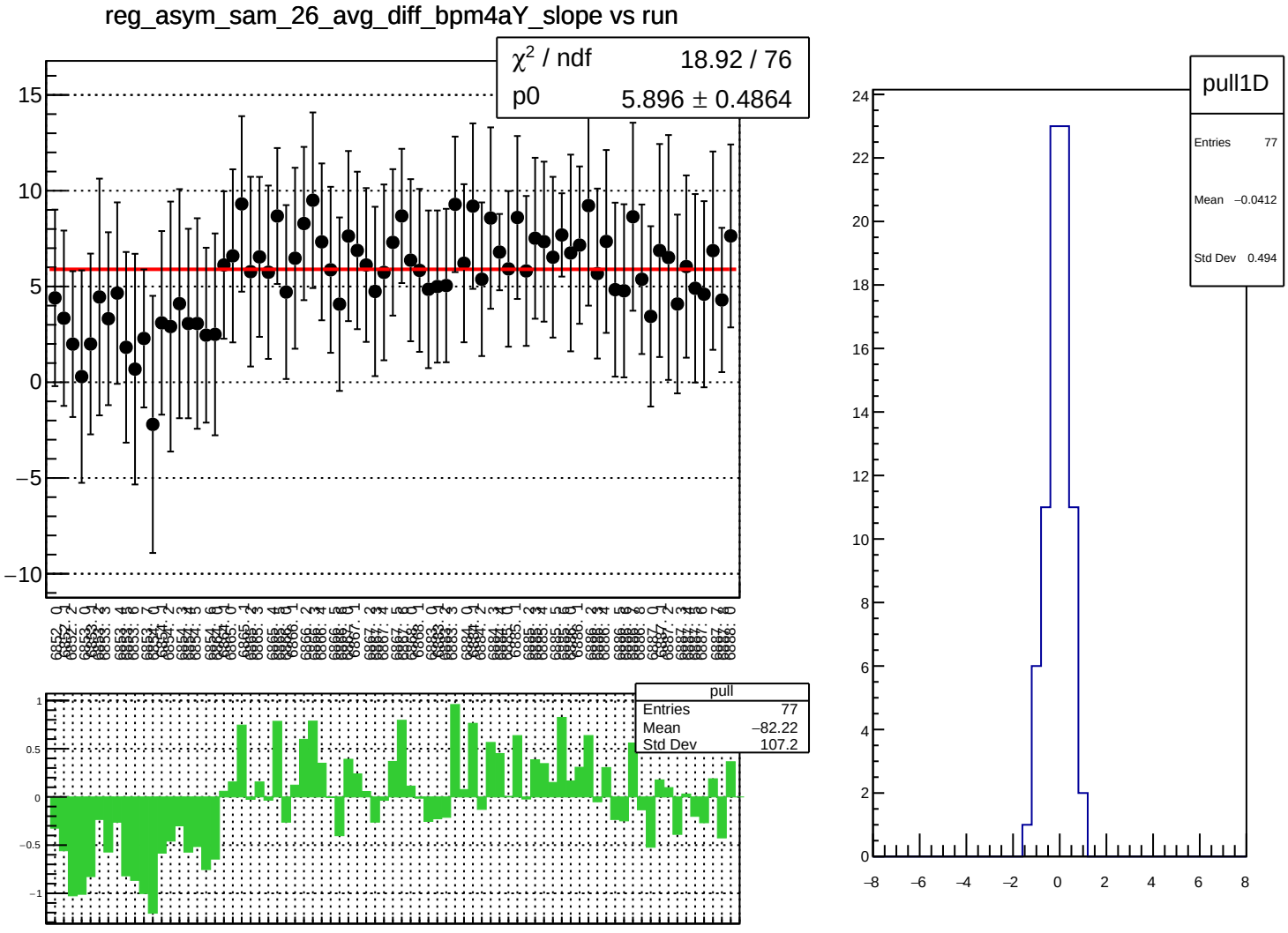

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 264.3 / 76
p0 −20.57 ± 0.3807
pull
Entries 77
Mean −346
Std Dev 383.1

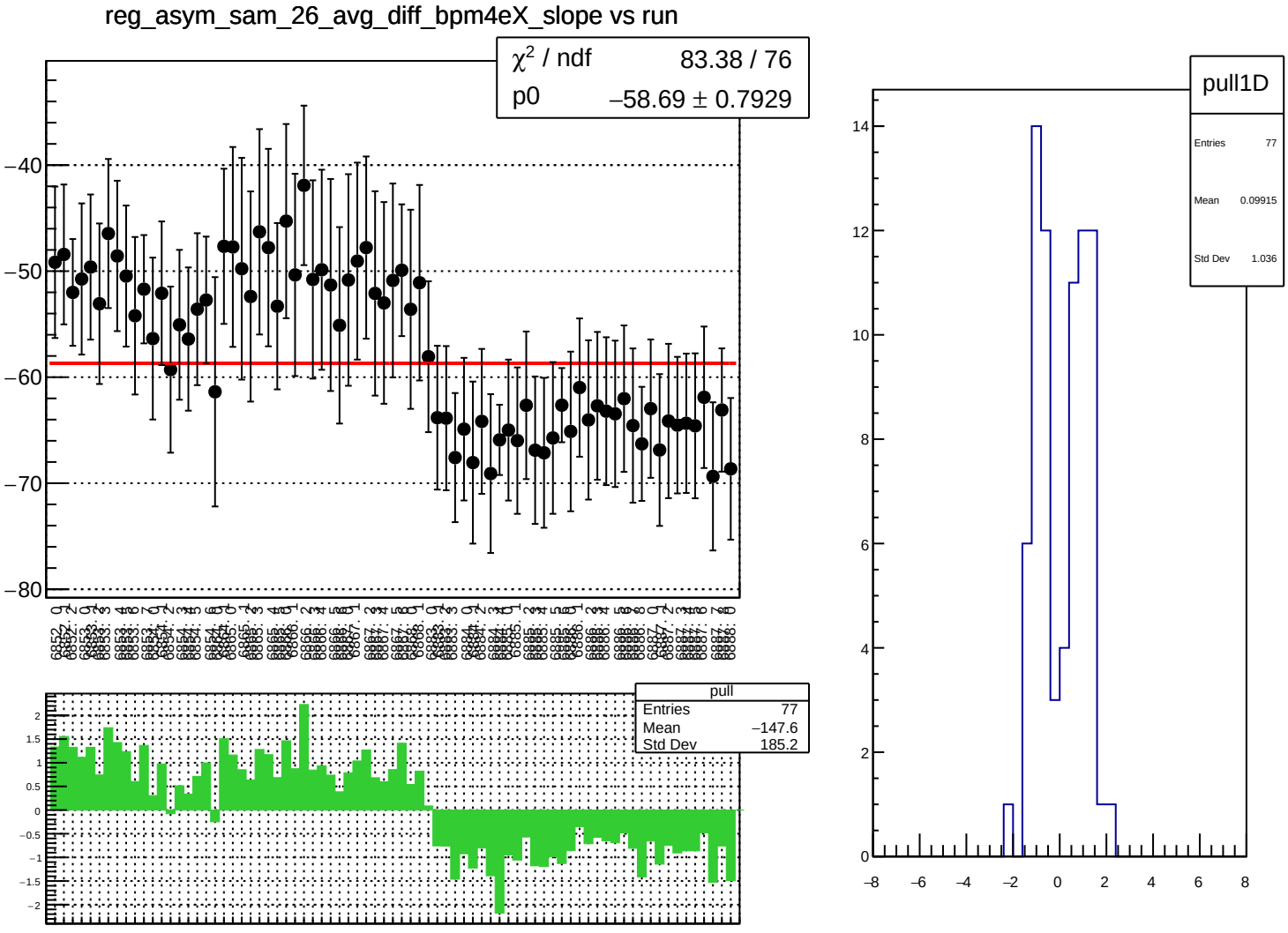

pull1D
Entries 77
Mean 0.09451
Std Dev 1.85

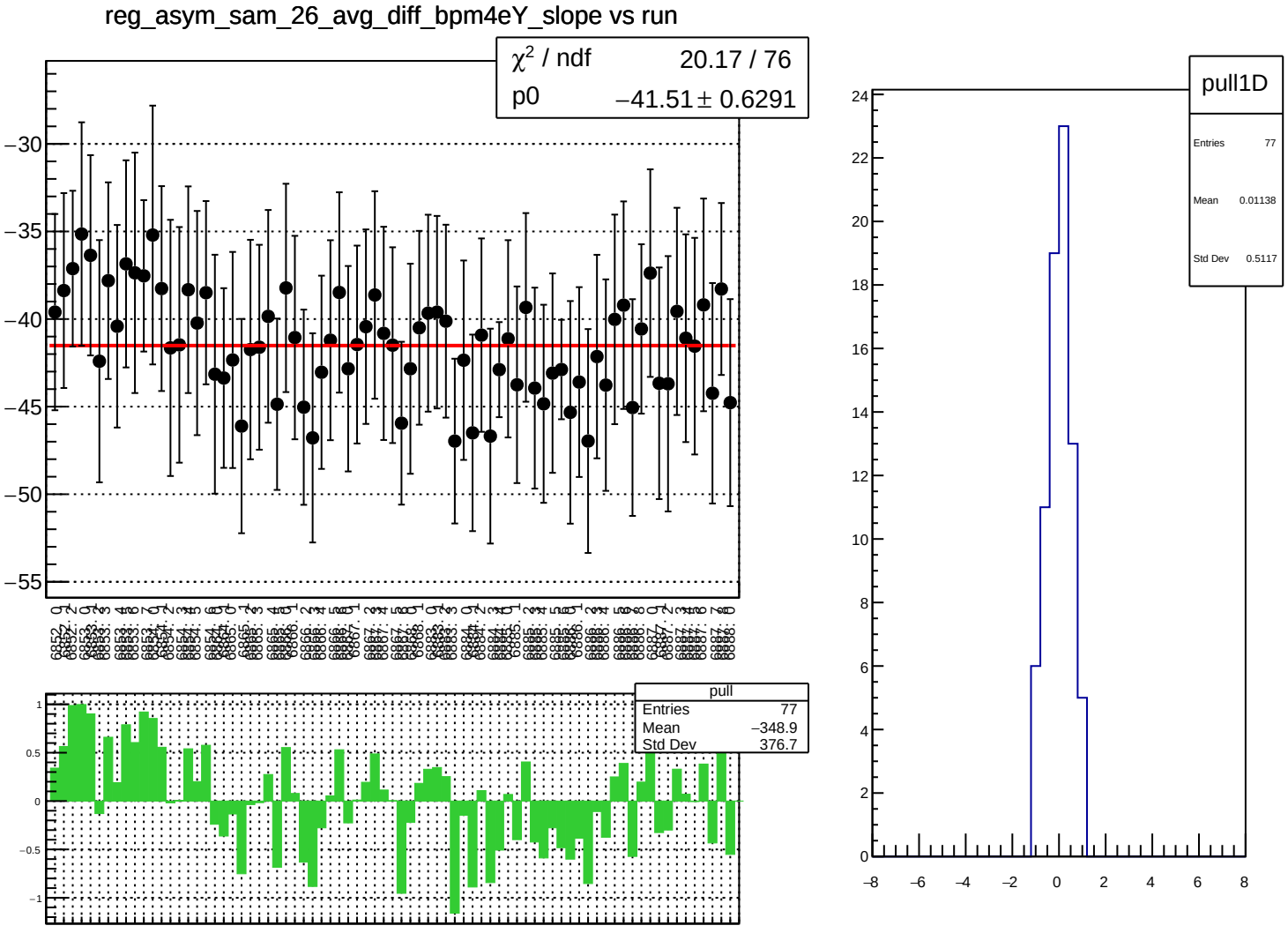

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.21 / 76
p0 22.62 ± 0.3023
pull
Entries 77
Mean 307.7
Std Dev 263.9
pull1D
Entries 77
Mean 0.01348
Std Dev 0.3639

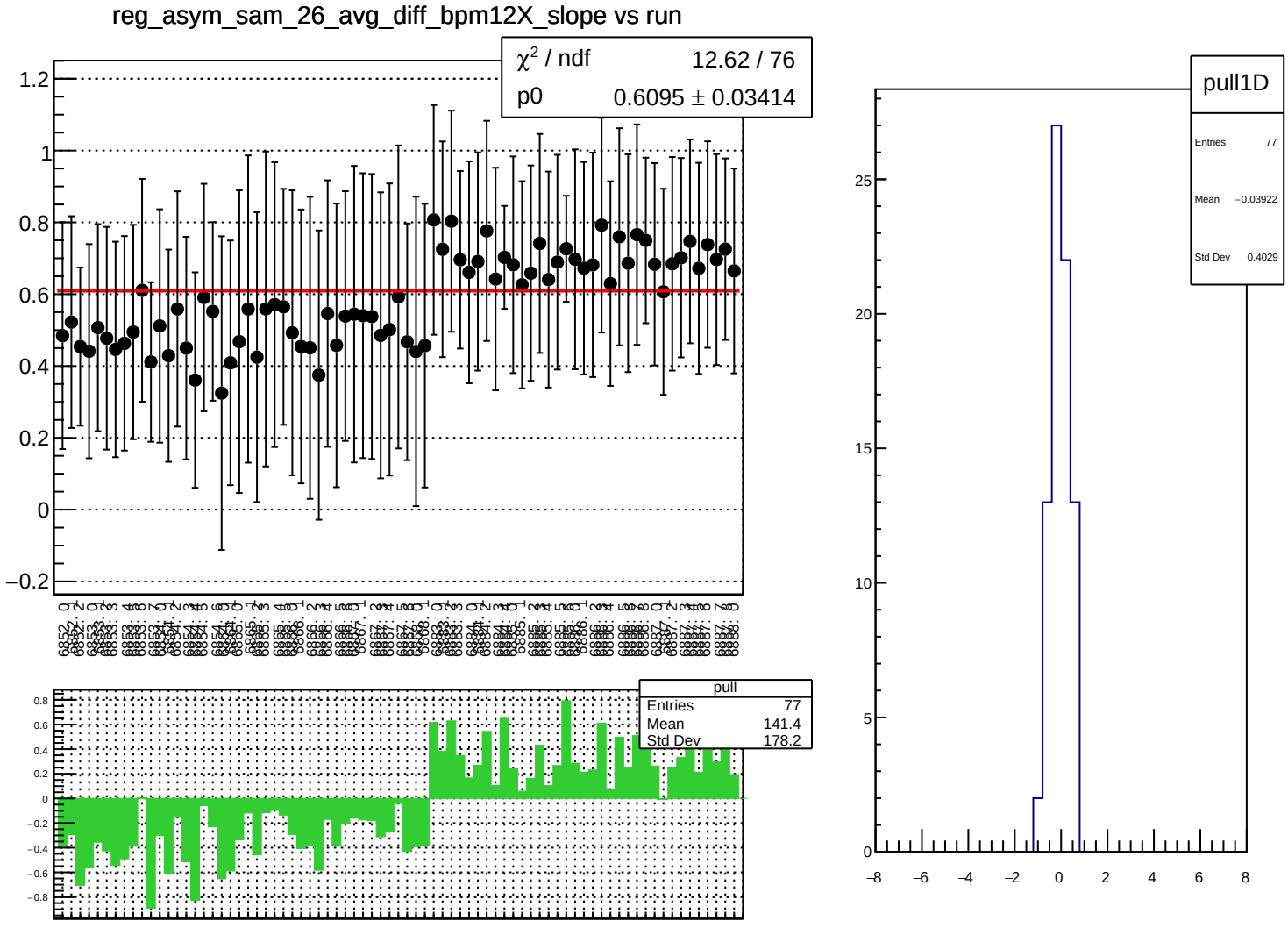

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 25.31 / 76
p0 −0.2121± 0.01638
pull
Entries 77
Mean −169
Std Dev 203.5
pull1D
Entries 77
Mean 0.04678
Std Dev 0.5714

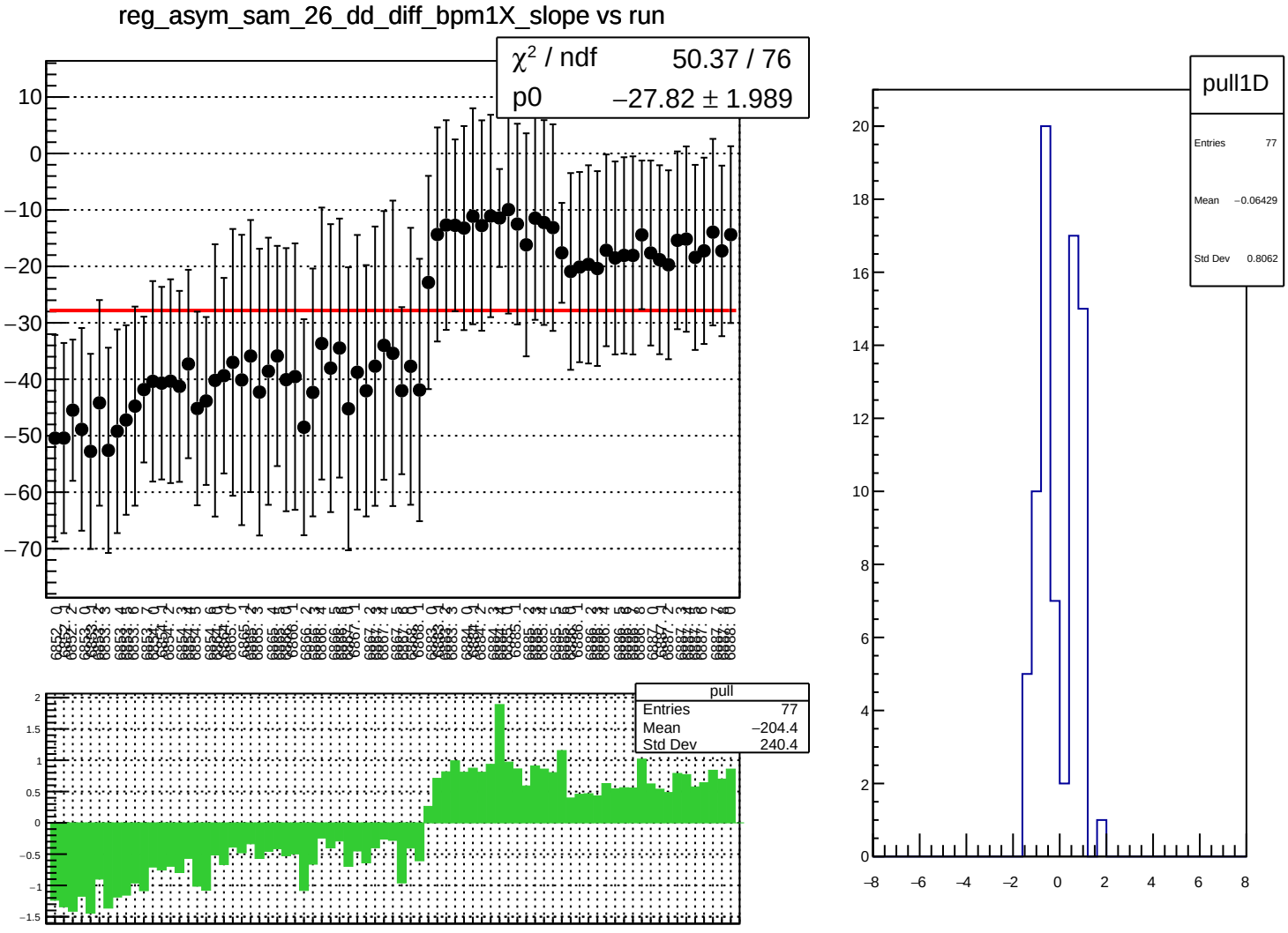

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 89.63 / 76
p0 −9.051 ± 0.8277
pull
Entries 77
Mean −111.4
Std Dev 149.4
pull1D
Entries 77
Mean −0.1266
Std Dev 1.071

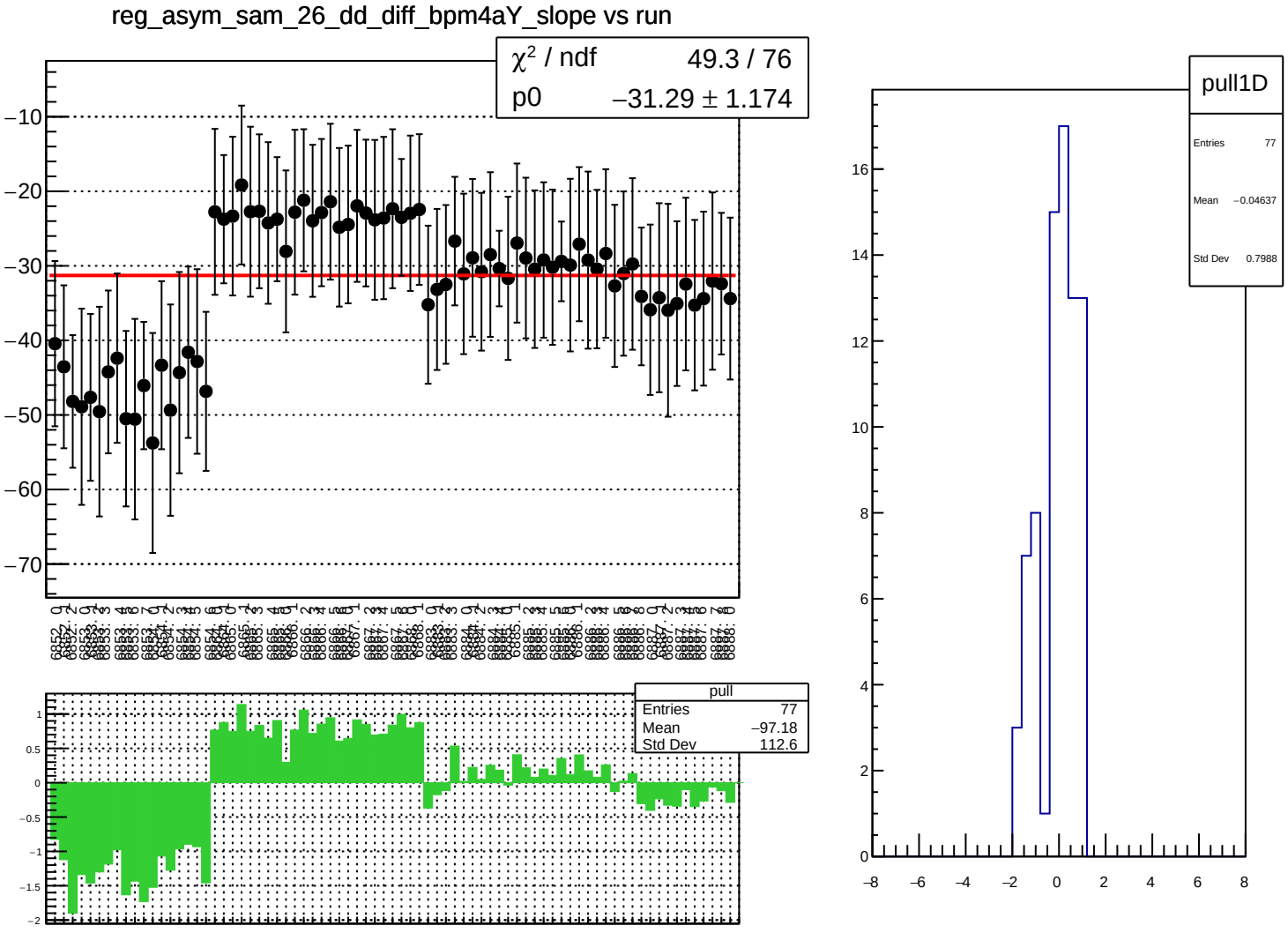

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.92 / 76
p0 5.896 ± 0.4864
pull
Entries 77
Mean −82.22
Std Dev 107.2
pull1D
Entries 77
Mean −0.0412
Std Dev 0.494

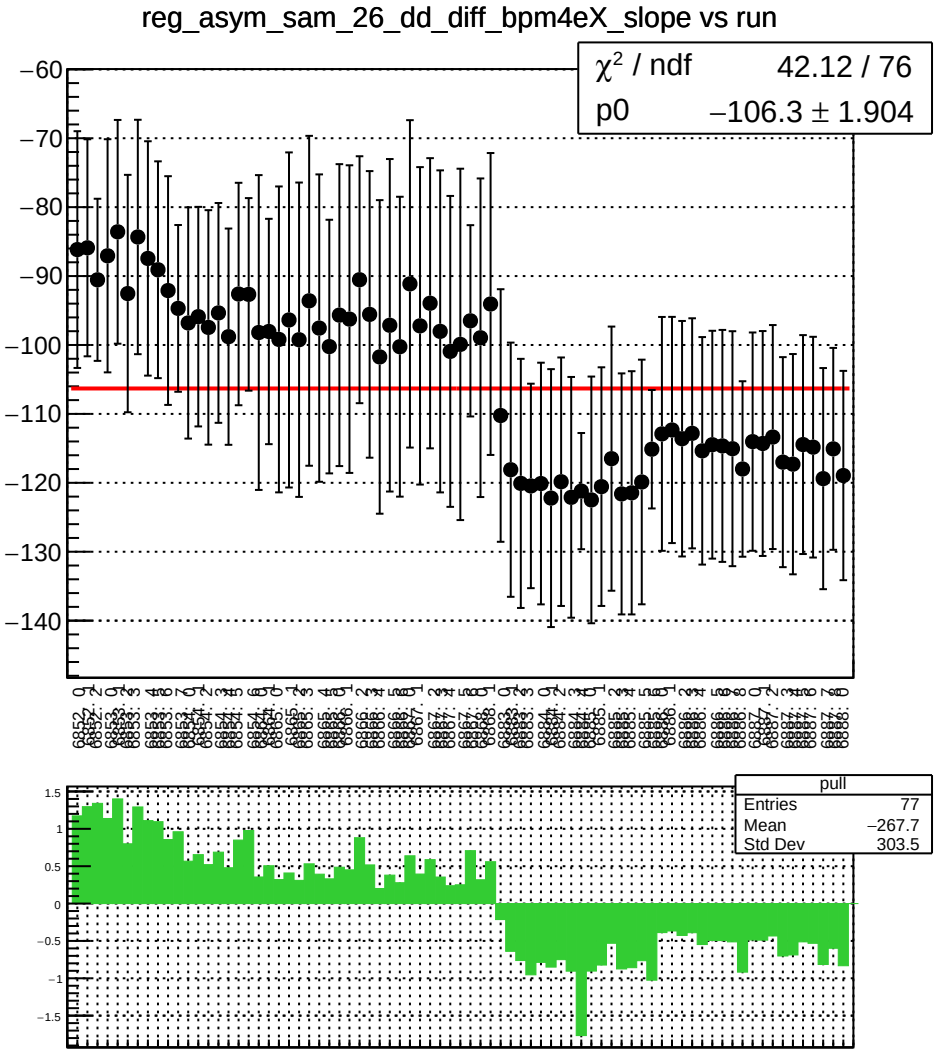

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.38 / 76
p0 −58.69 ± 0.7929
pull
Entries 77
Mean −147.6
Std Dev 185.2
pull1D
Entries 77
Mean 0.09915
Std Dev 1.036

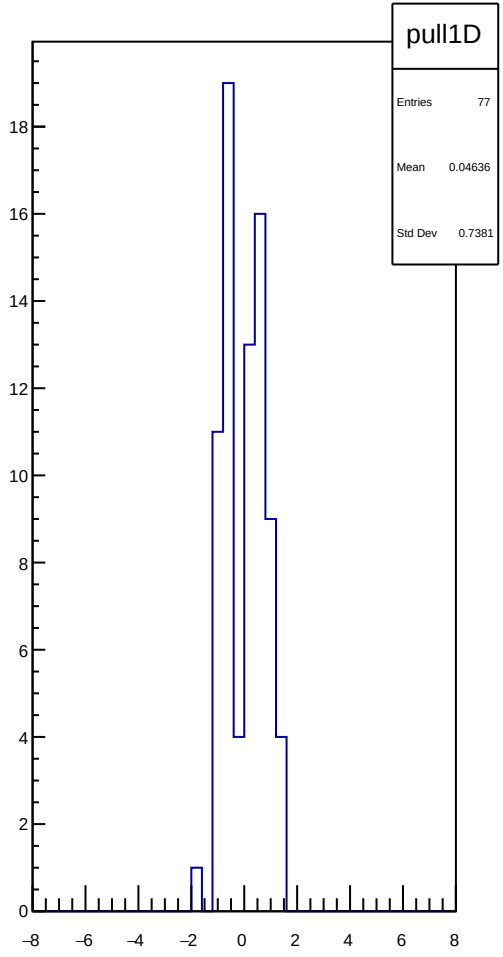

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.17 / 76
p0 −41.51 ± 0.6291
pull
Entries 77
Mean −348.9
Std Dev 376.7
pull1D
Entries 77
Mean 0.01138
Std Dev 0.5117

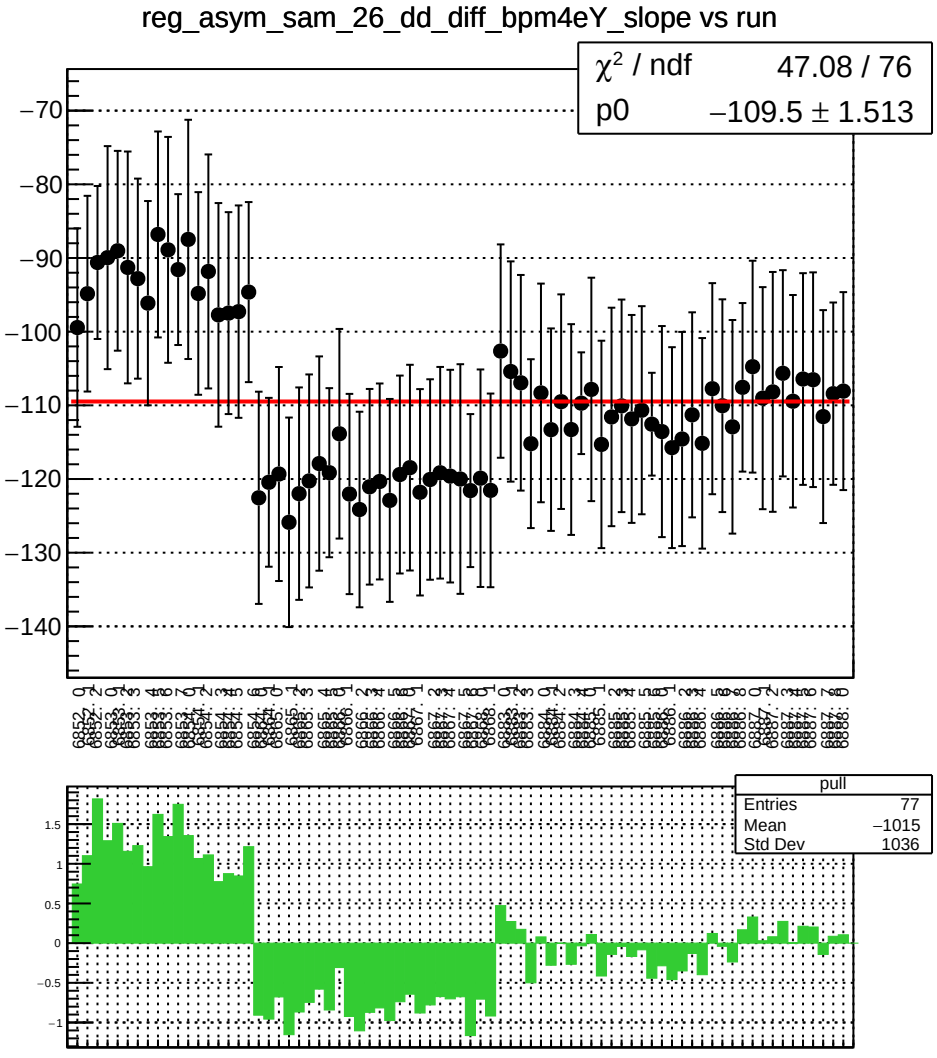

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 12.62 / 76
p0 0.6095 ± 0.03414
pull
Entries 77
Mean −141.4
Std Dev 178.2
pull1D
Entries 77
Mean −0.03922
Std Dev 0.4029

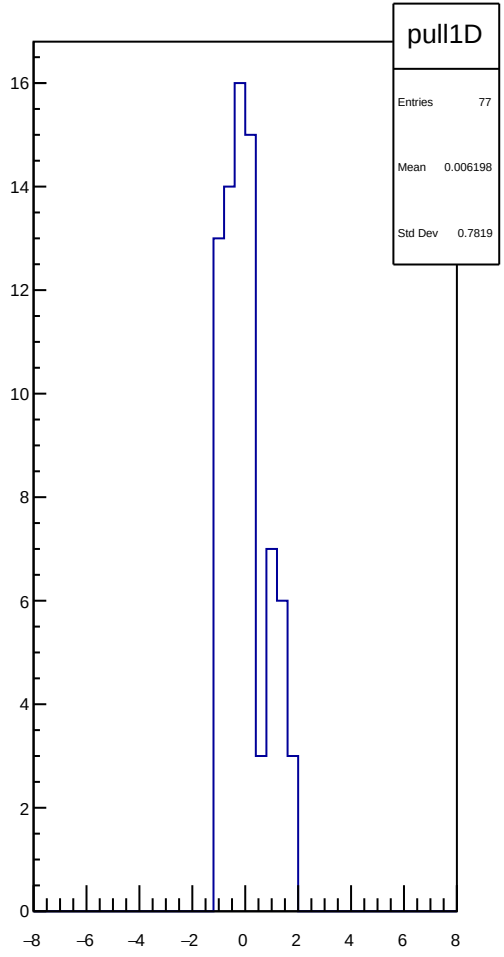

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 50.37 / 76
p0 −27.82 ± 1.989
pull
Entries 77
Mean −204.4
Std Dev 240.4
pull1D
Entries 77
Mean −0.06429
Std Dev 0.8062

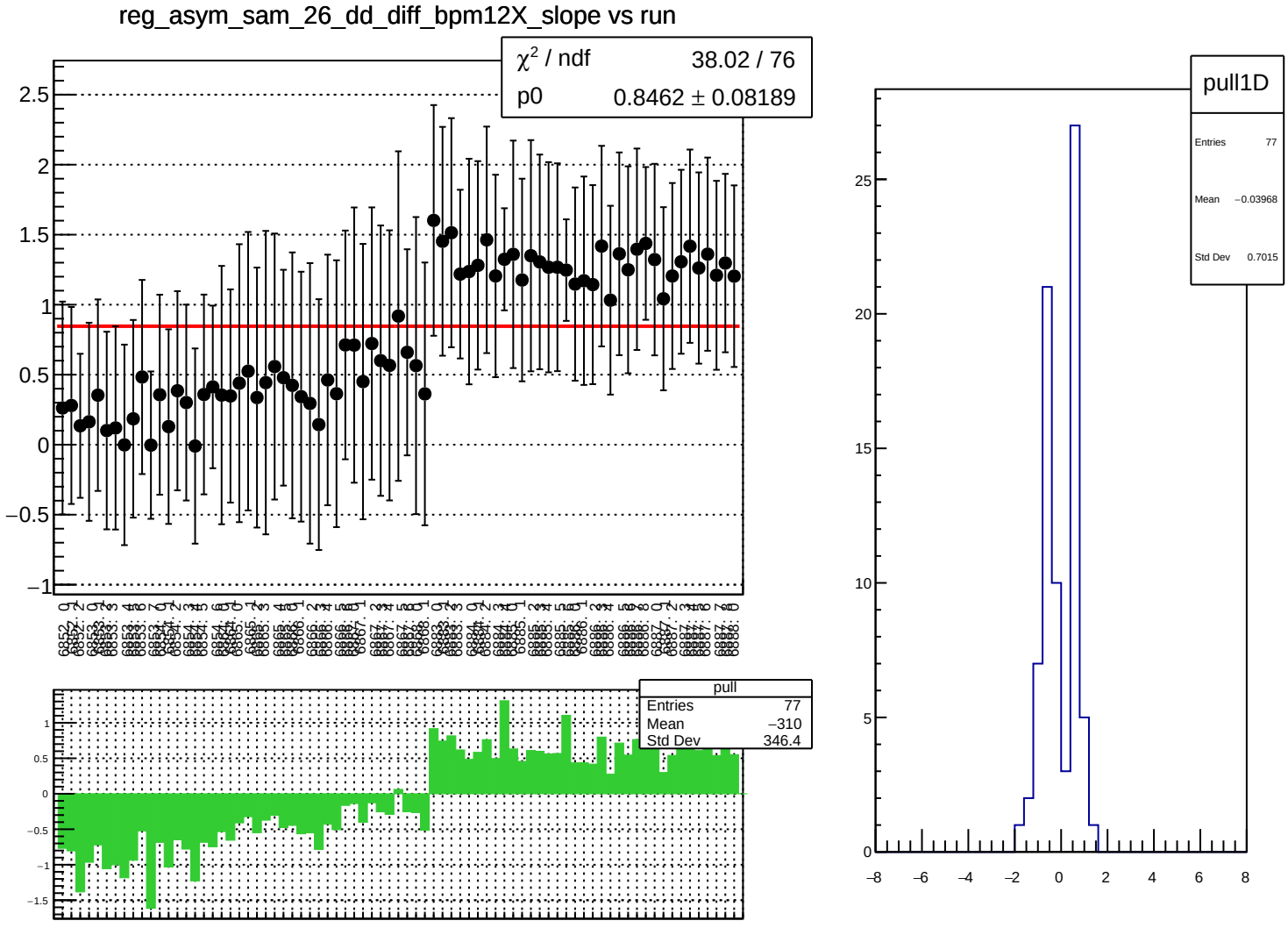

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.3 / 76
p0 −31.29 ± 1.174
pull
Entries 77
Mean −97.18
Std Dev 112.6
pull1D
Entries 77
Mean −0.04637
Std Dev 0.7988

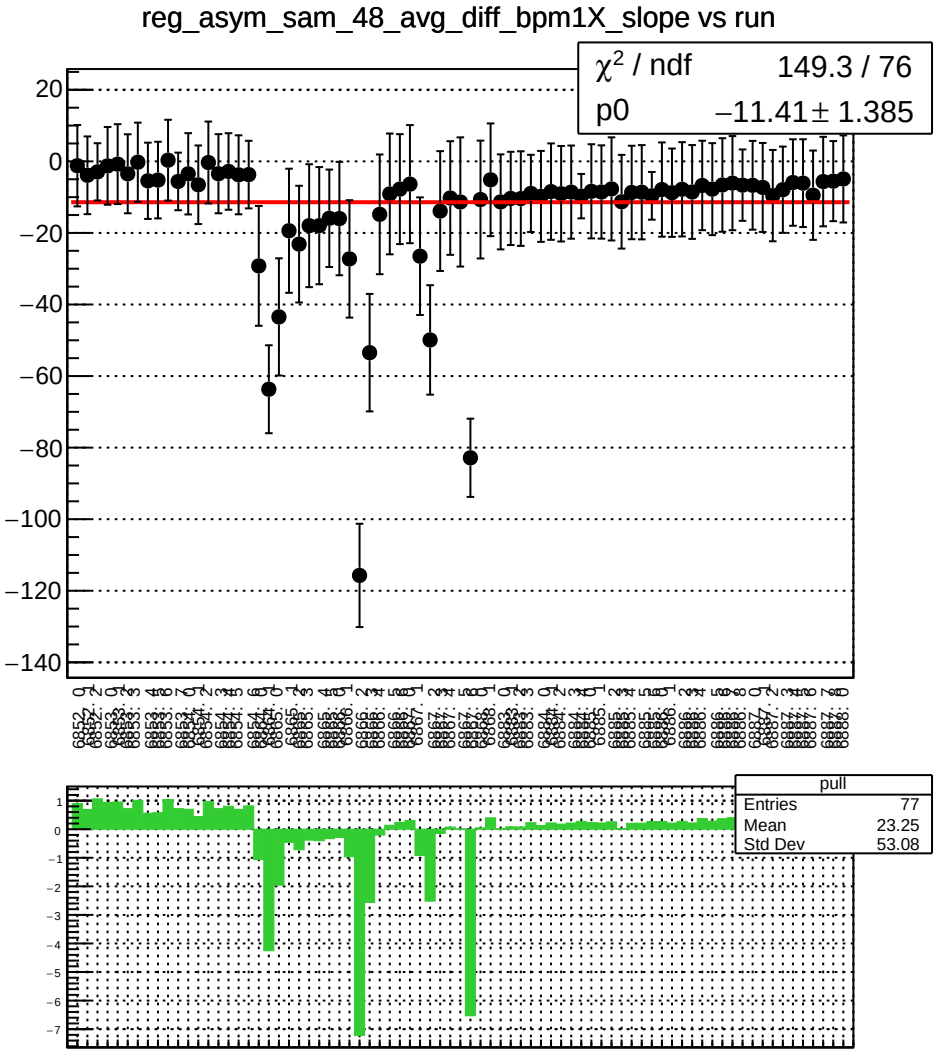

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 42.12 / 76
p0 −106.3 ± 1.904
pull
Entries 77
Mean −267.7
Std Dev 303.5

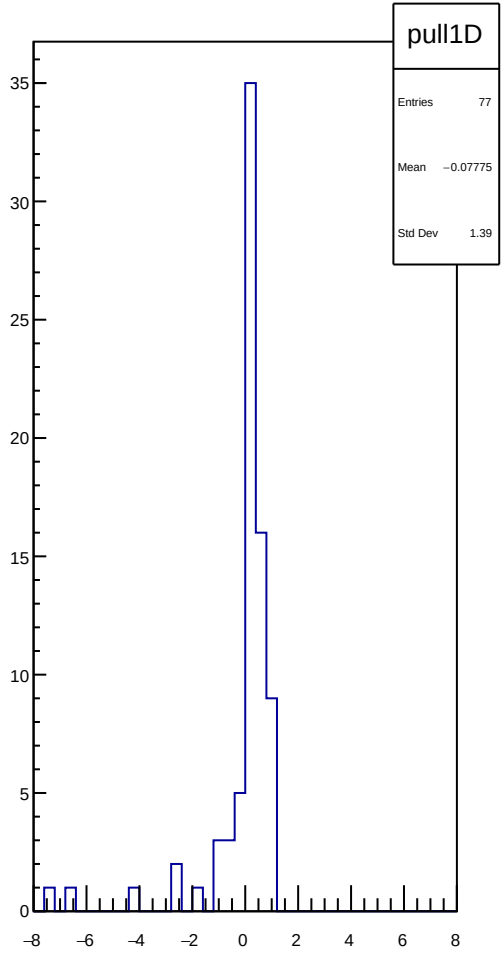

pull1D
Entries 77
Mean 0.04636
Std Dev 0.7381

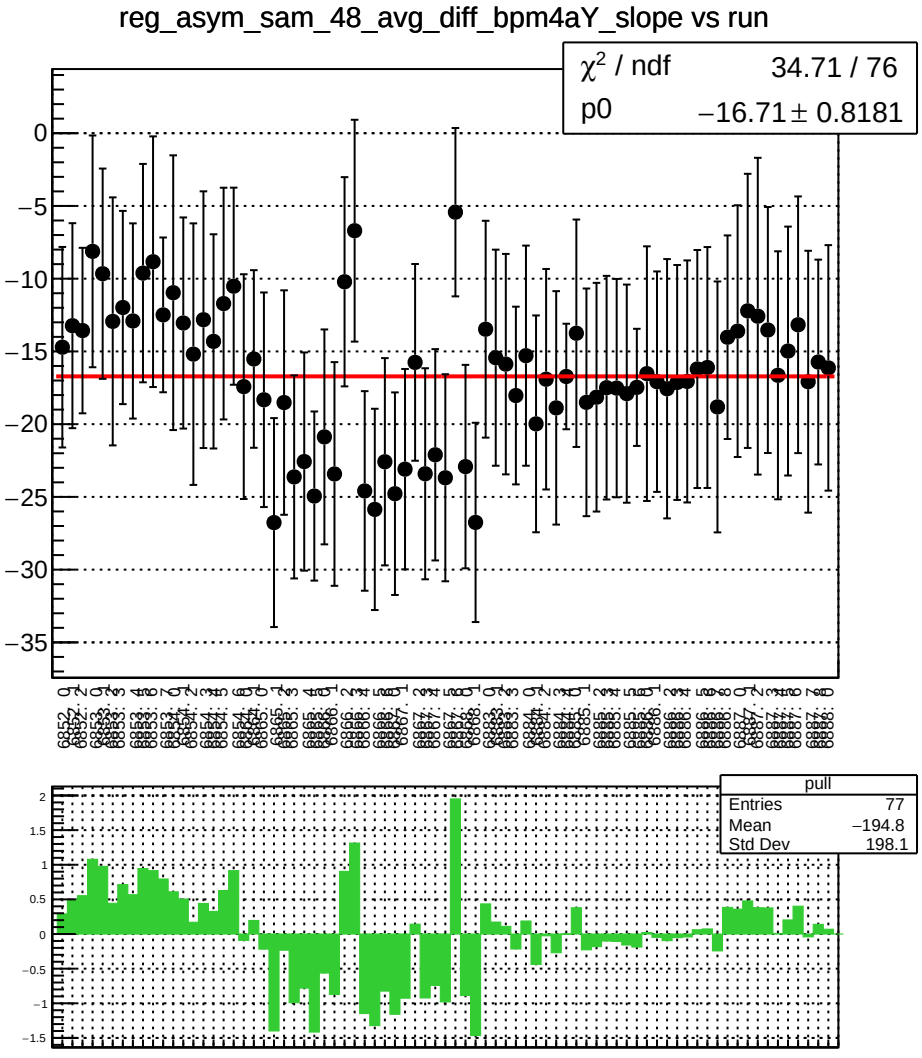

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.08 / 76
p0 −109.5 ± 1.513
pull
Entries 77
Mean −1015
Std Dev 1036

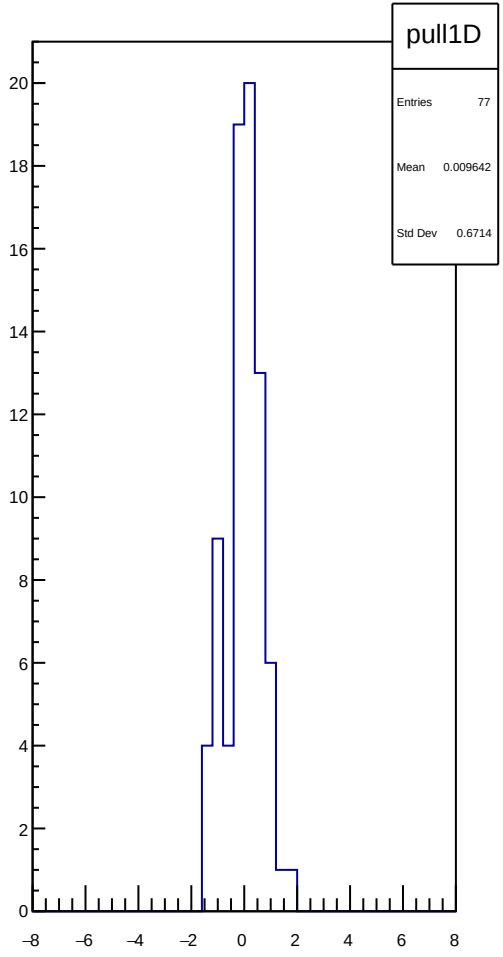

pull1D
Entries 77
Mean 0.006198
Std Dev 0.7819

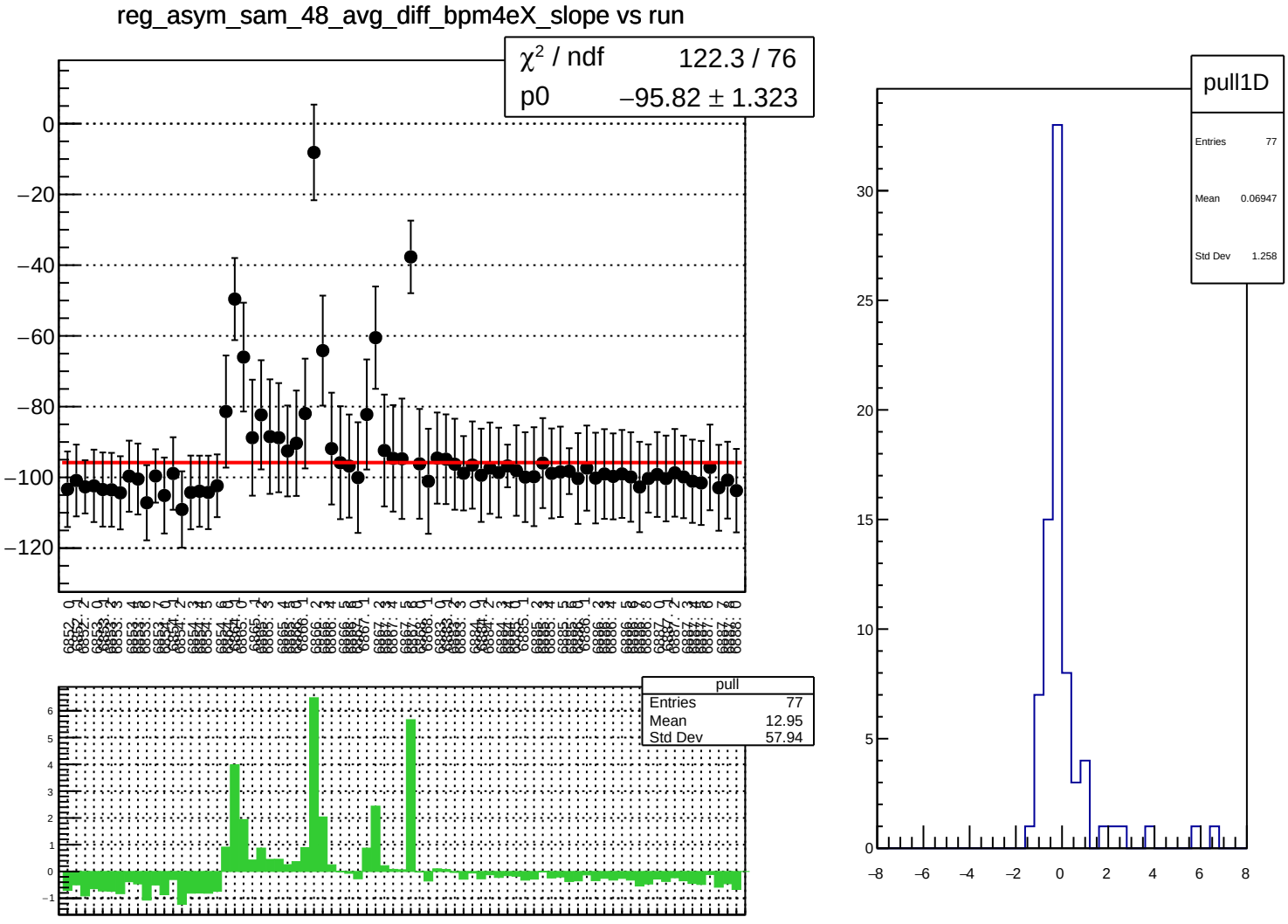

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 38.02 / 76
p0 0.8462 ± 0.08189
pull
Entries 77
Mean −310
Std Dev 346.4
pull1D
Entries 77
Mean −0.03968
Std Dev 0.7015

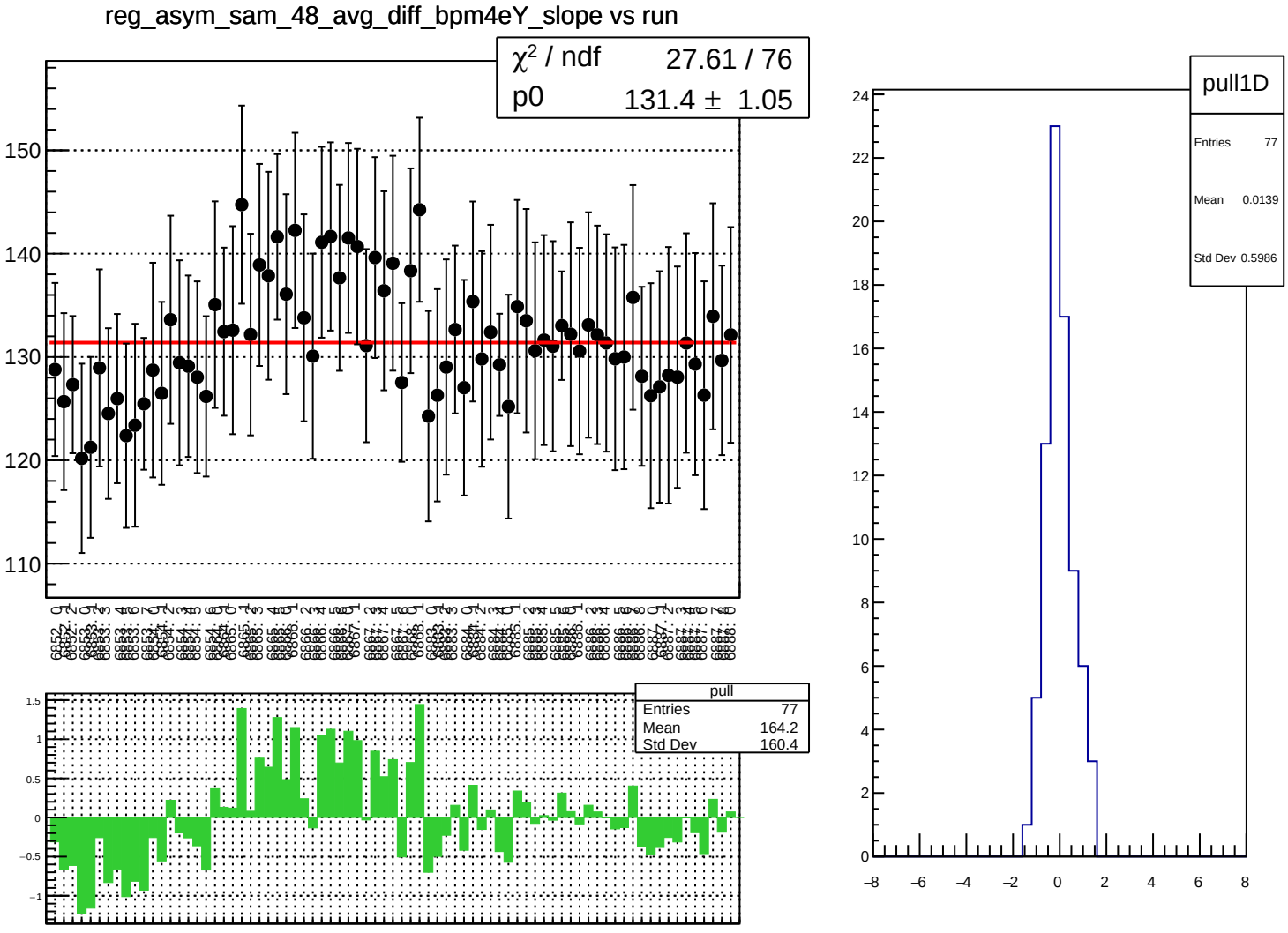

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 149.3 / 76
p0 −11.41 ± 1.385
pull
Entries 77
Mean 23.25
Std Dev 53.08


pull1D
Entries 77
Mean −0.07775
Std Dev 1.39

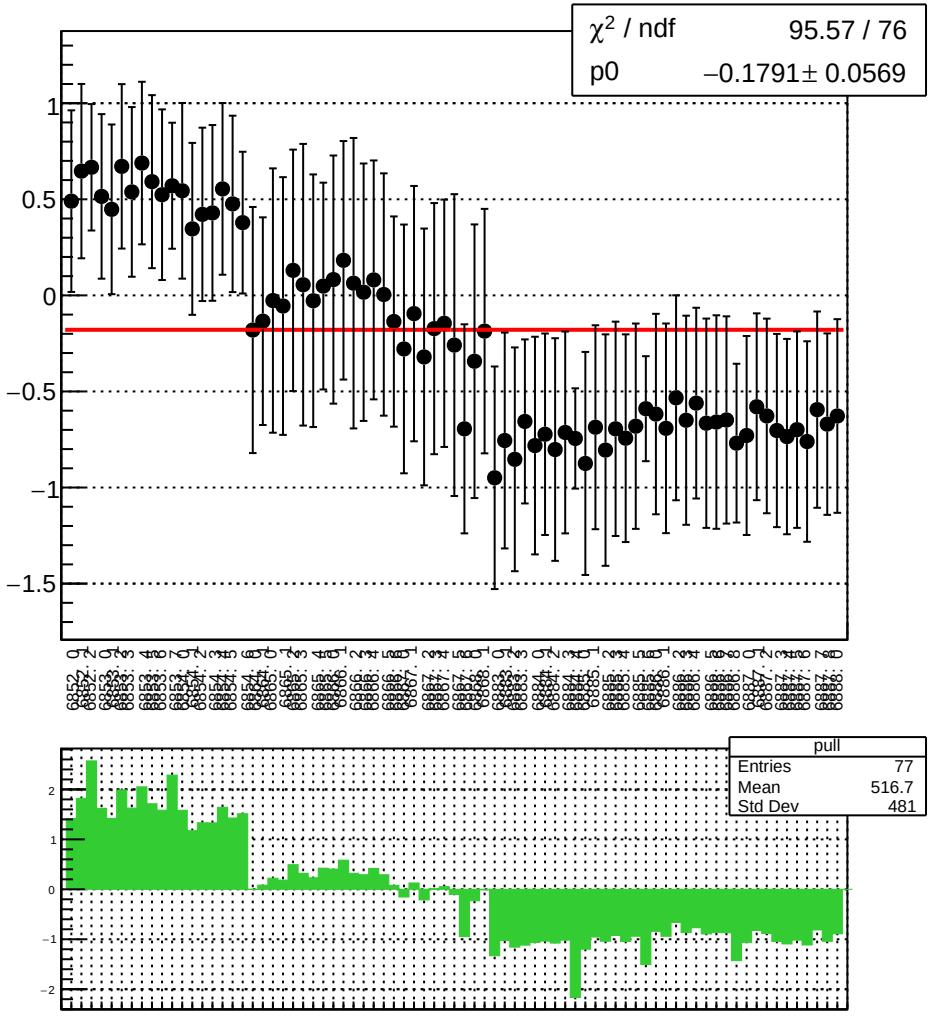

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 34.71 / 76
p0 −16.71 ± 0.8181
pull
Entries 77
Mean −194.8
Std Dev 198.1

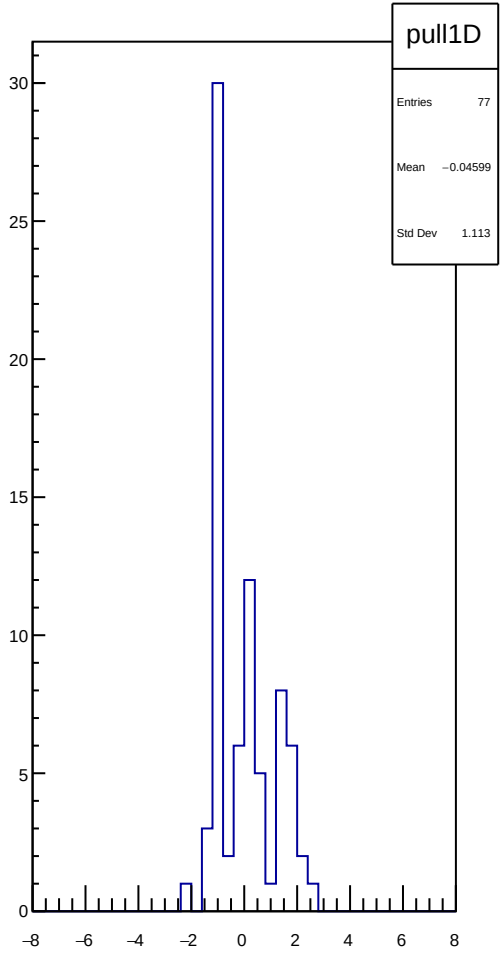

pull1D
Entries 77
Mean 0.009642
Std Dev 0.6714

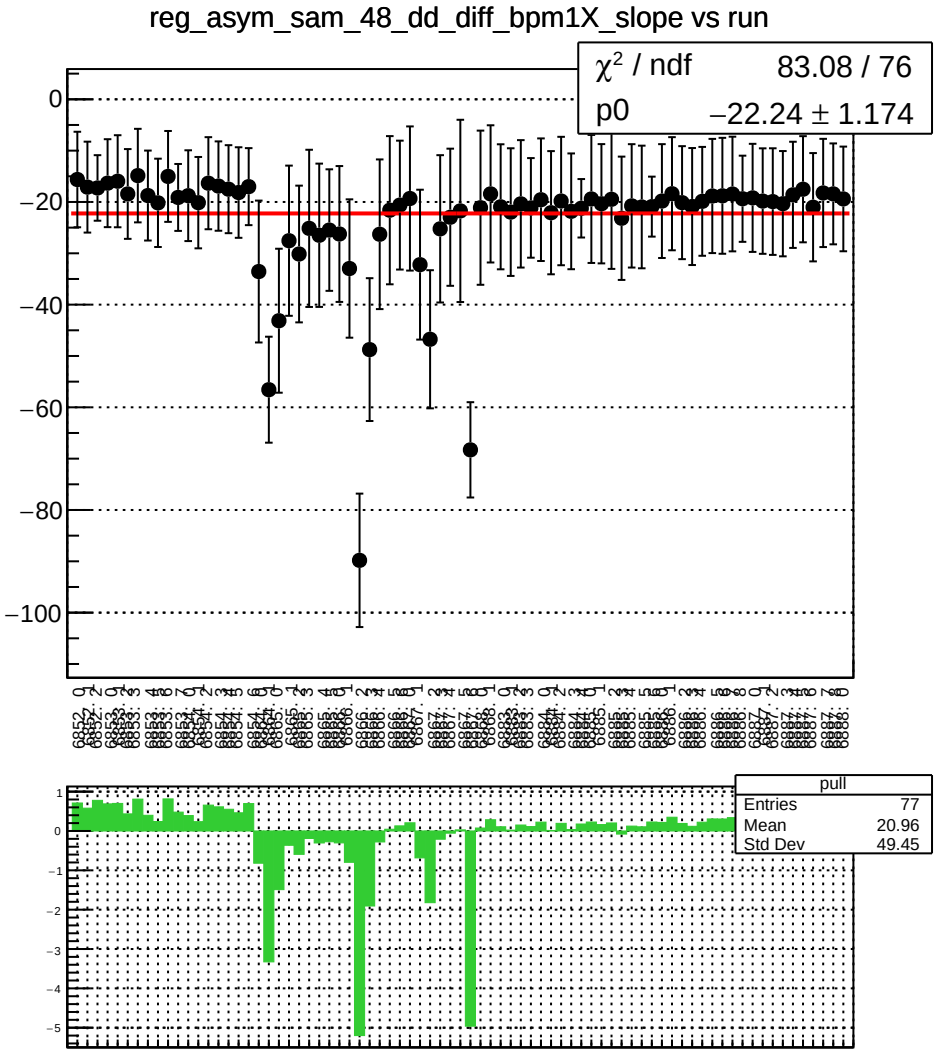

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 122.3 / 76
p0 −95.82 ± 1.323
pull
Entries 77
Mean 12.95
Std Dev 57.94
pull1D
Entries 77
Mean 0.06947
Std Dev 1.258

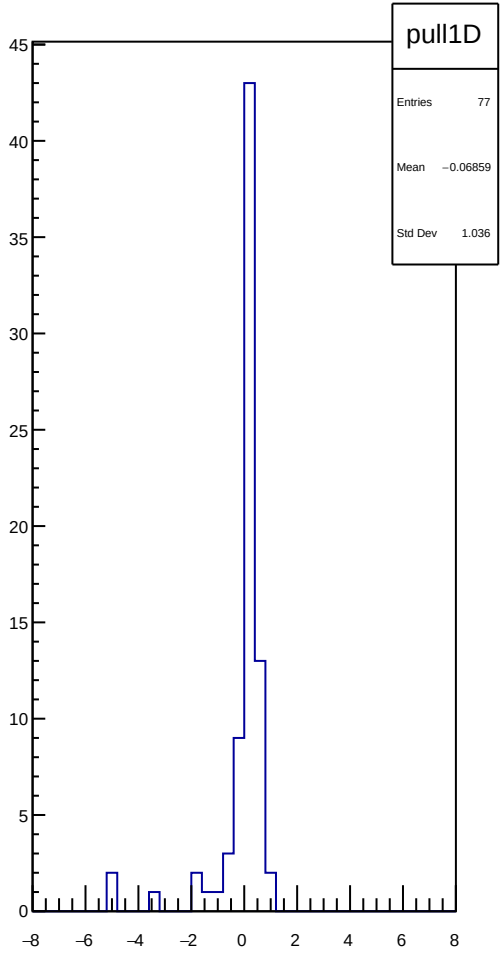

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.61 / 76
p0 131.4 ± 1.05
pull
Entries 77
Mean 164.2
Std Dev 160.4
pull1D
Entries 77
Mean 0.0139
Std Dev 0.5986

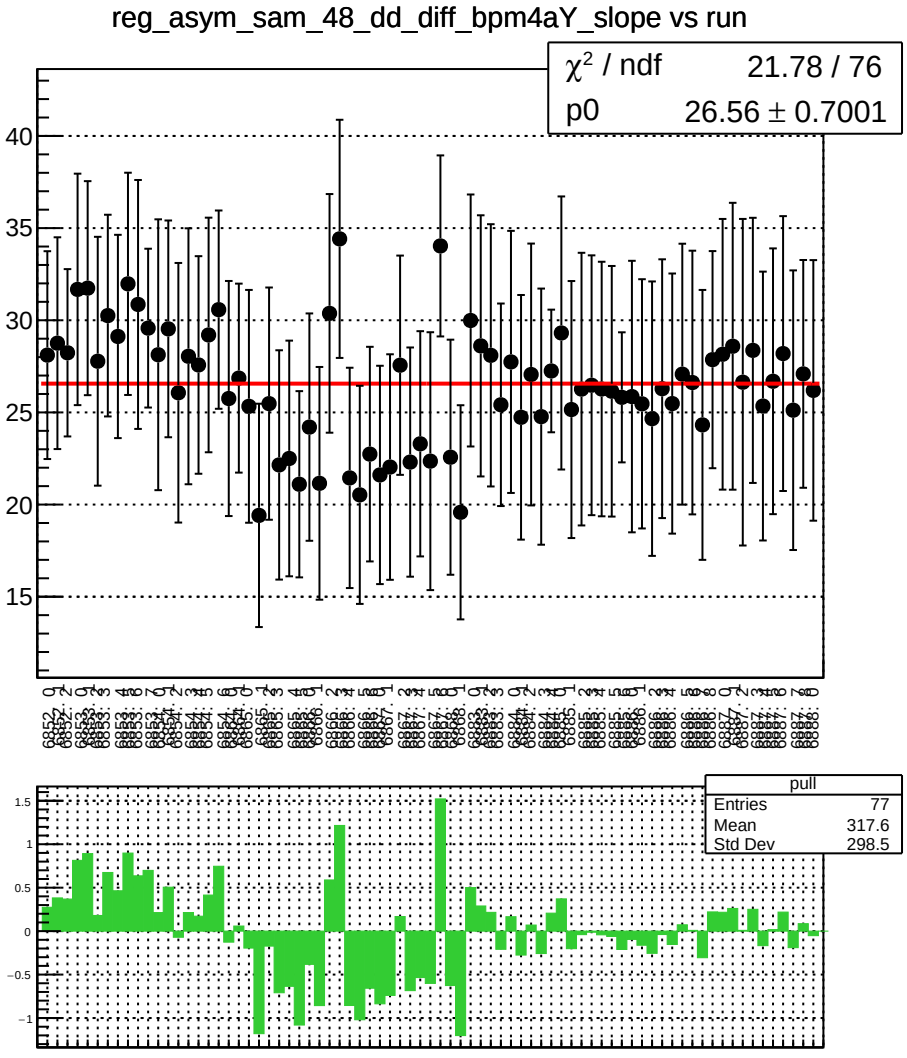
reg_asym_sam_48_avg_diff_bpm12X_slope vs run

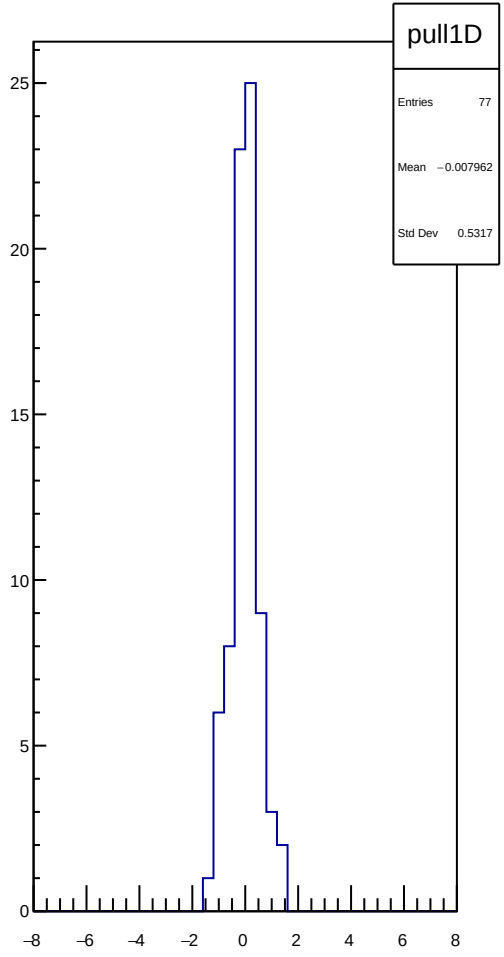


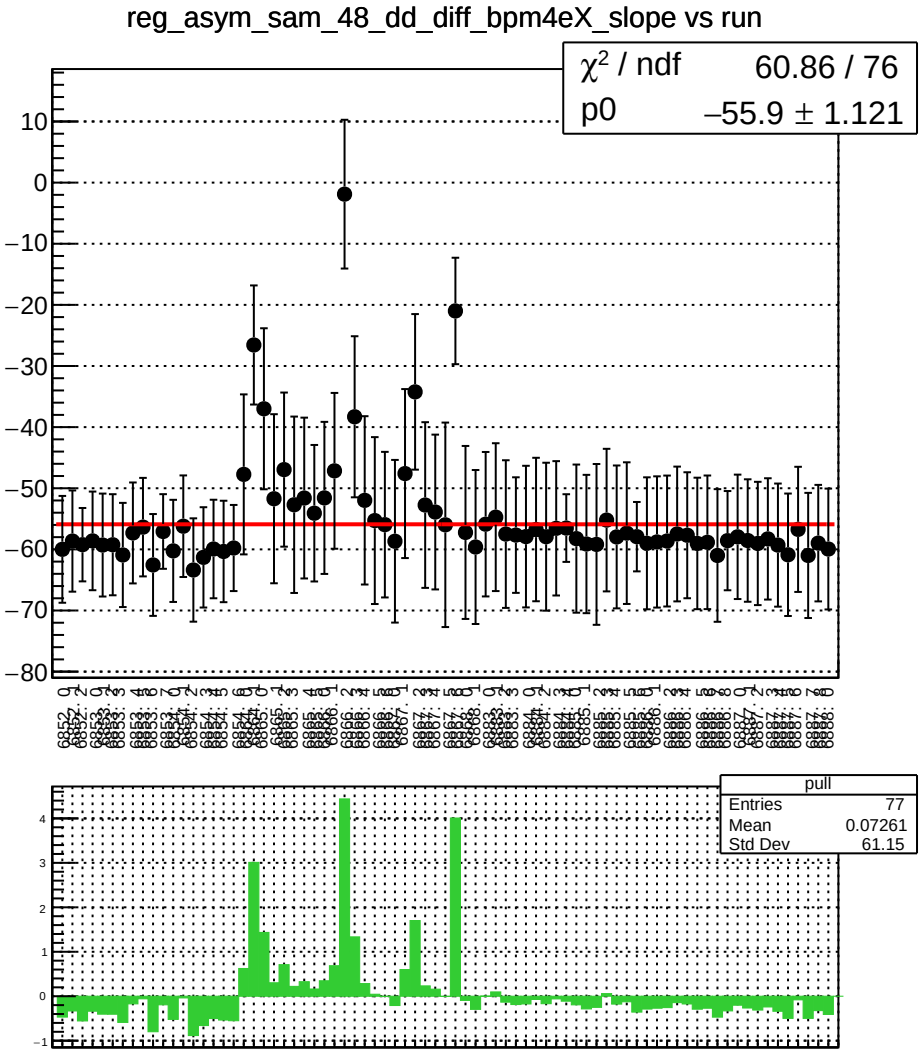


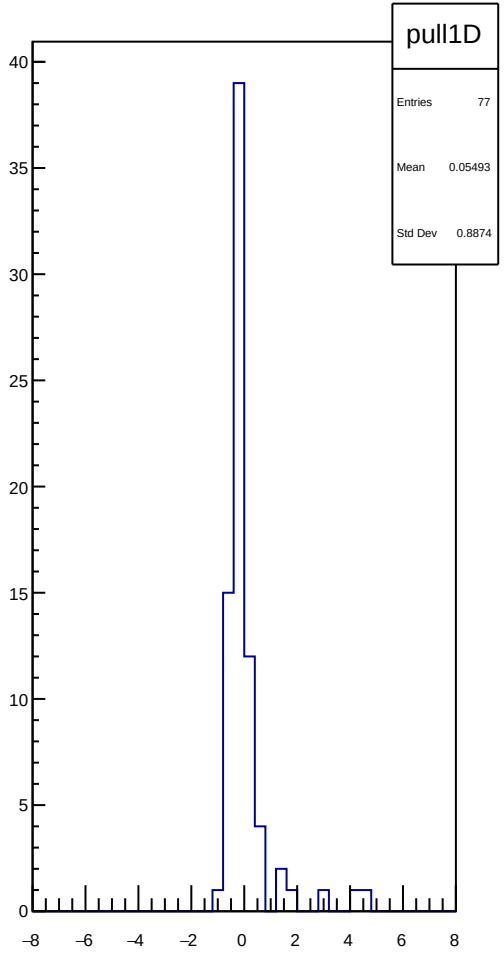

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 83.08 / 76
p0 −22.24 ± 1.174
pull
Entries 77
Mean 20.96
Std Dev 49.45

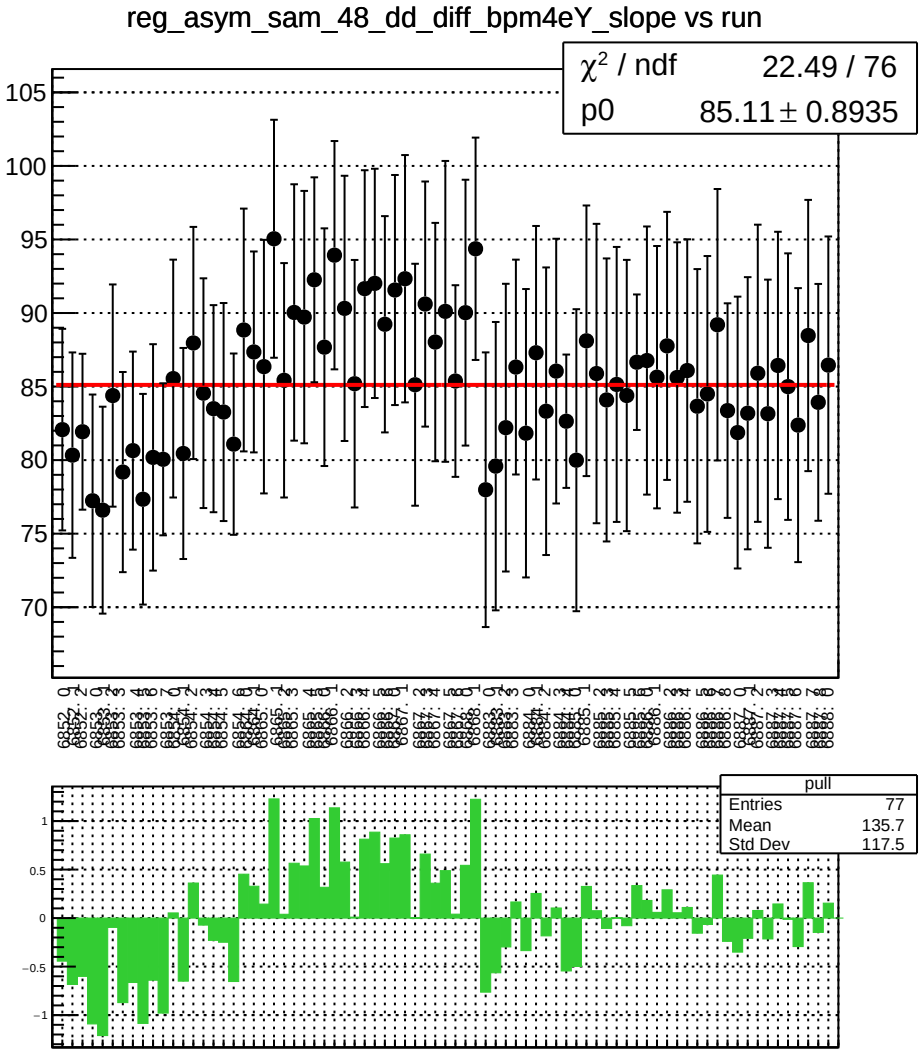

pull1D
Entries 77
Mean −0.06859
Std Dev 1.036

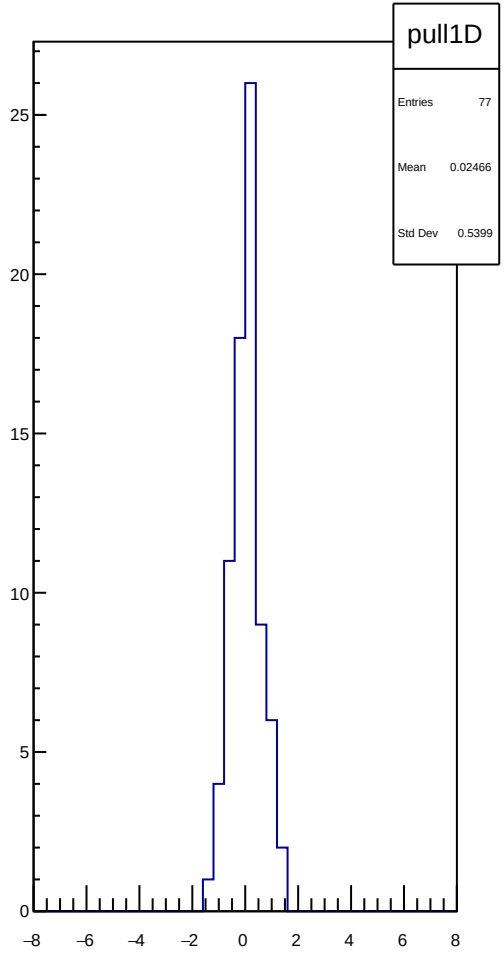

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.78 / 76
p0 26.56 ± 0.7001
pull
Entries 77
Mean 317.6
Std Dev 298.5

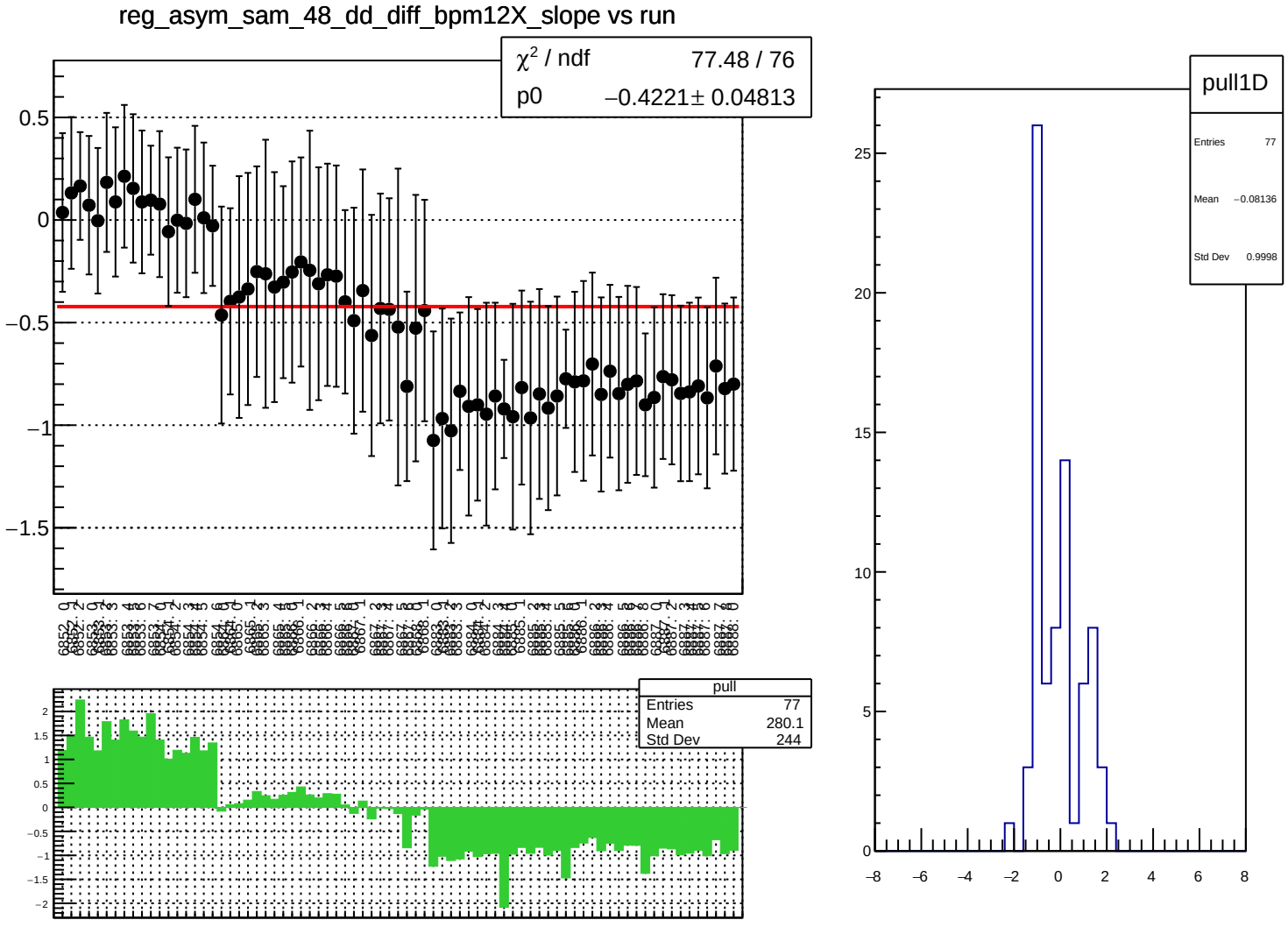

pull1D
Entries 77
Mean −0.007962
Std Dev 0.5317

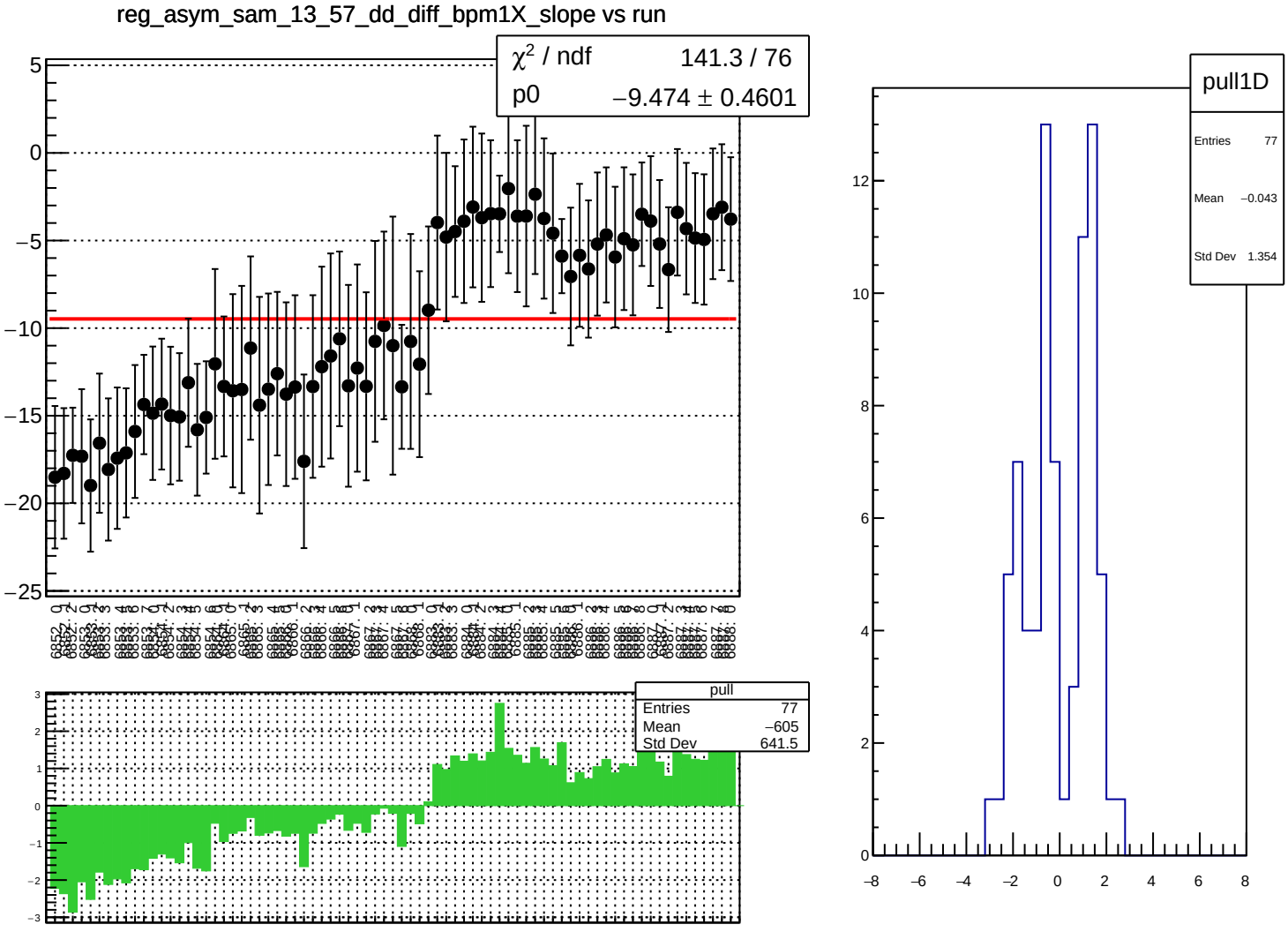

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.86 / 76
p0 –55.9 ± 1.121
pull
Entries 77
Mean 0.07261
Std Dev 61.15

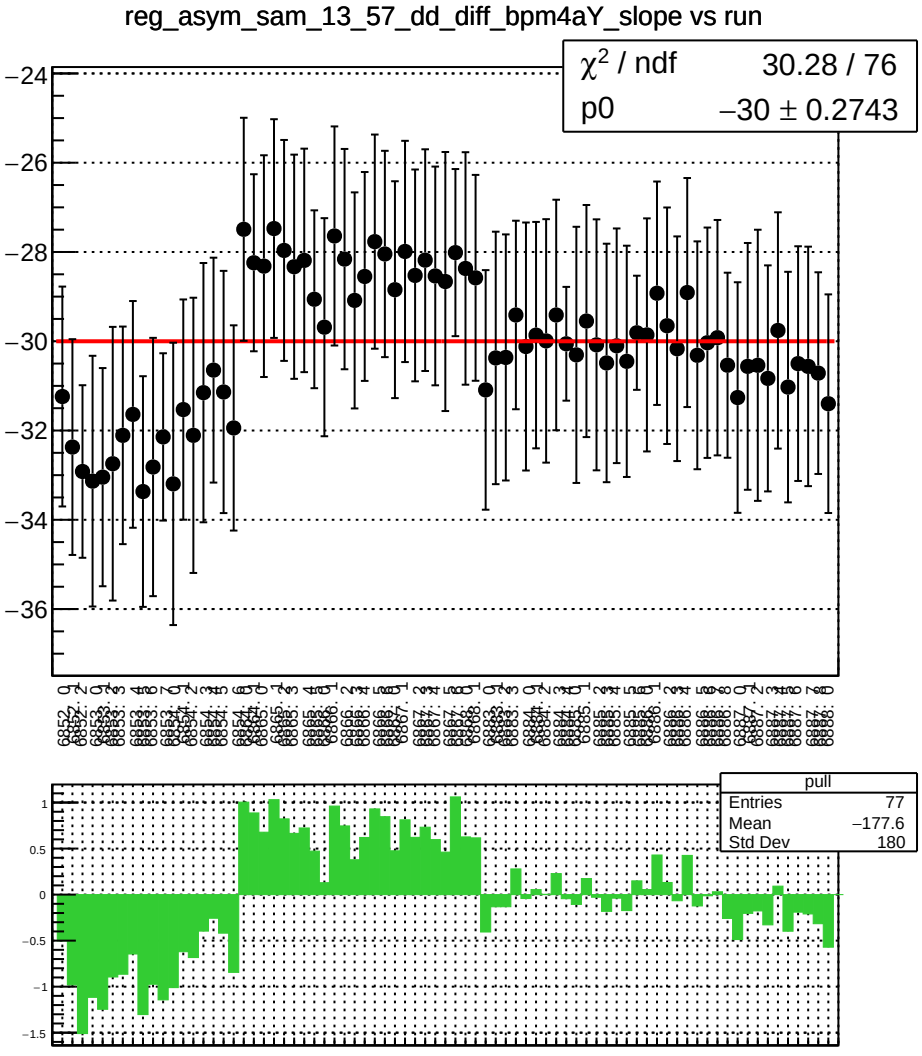

pull1D
Entries 77
Mean 0.05493
Std Dev 0.8874

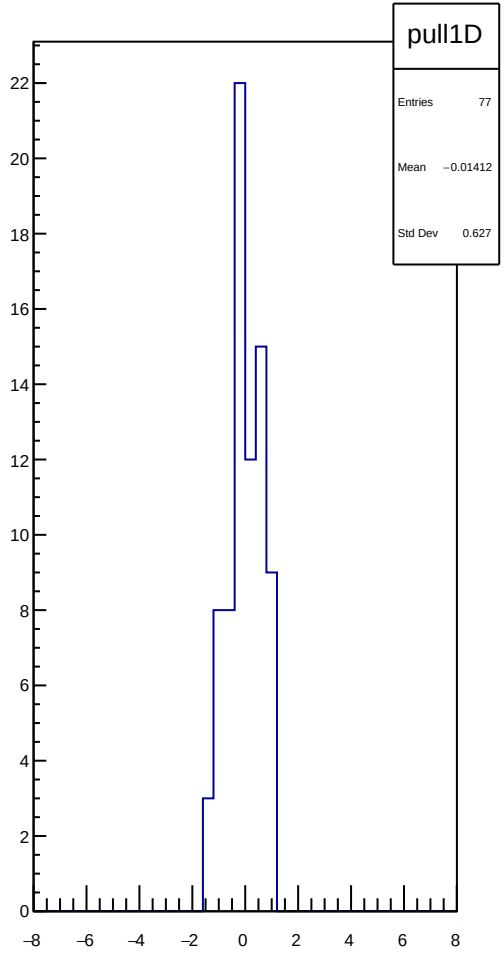

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.49 / 76
p0 85.11 ± 0.8935
pull
Entries 77
Mean 135.7
Std Dev 117.5

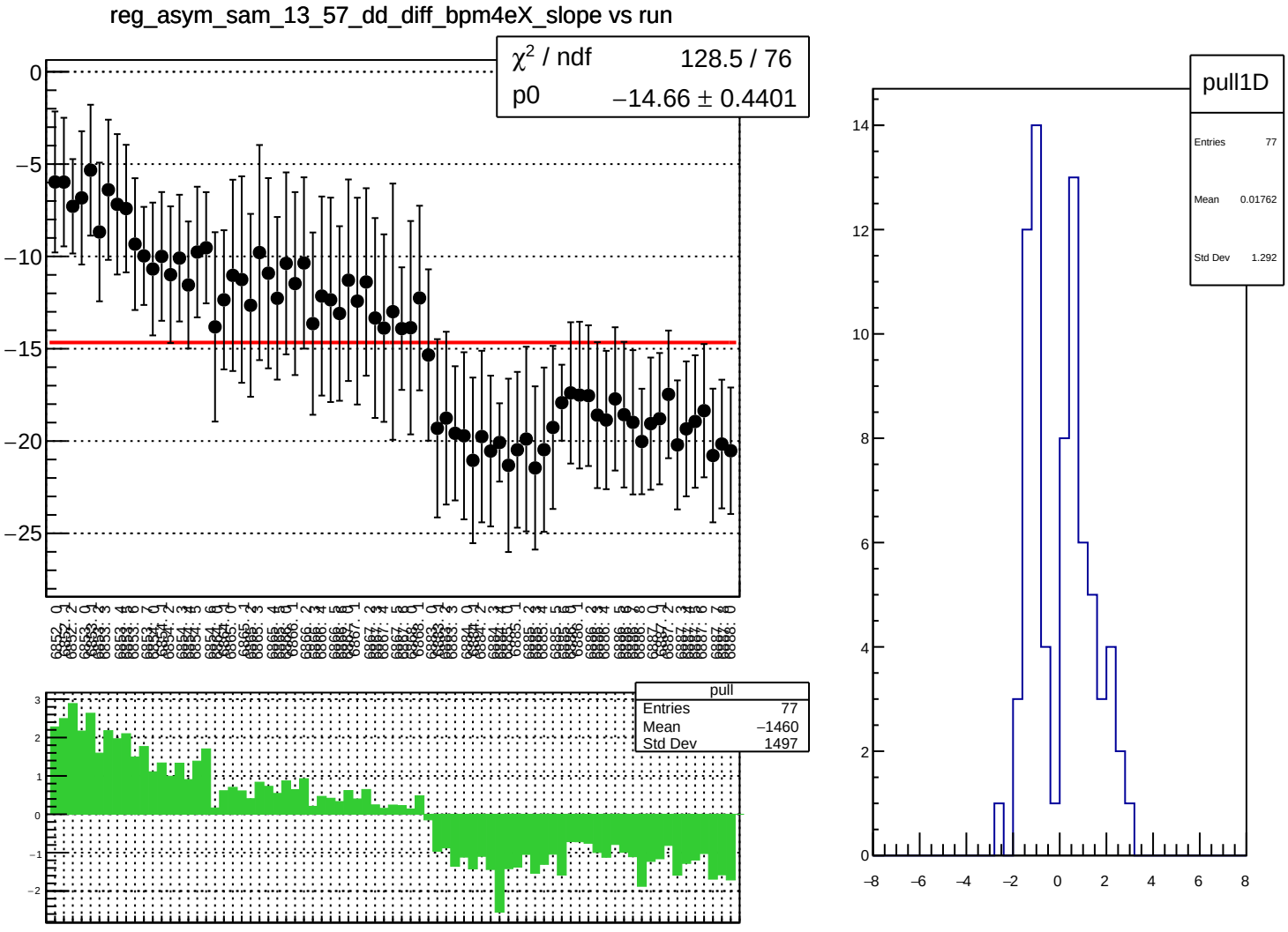

pull1D
Entries 77
Mean 0.02466
Std Dev 0.5399

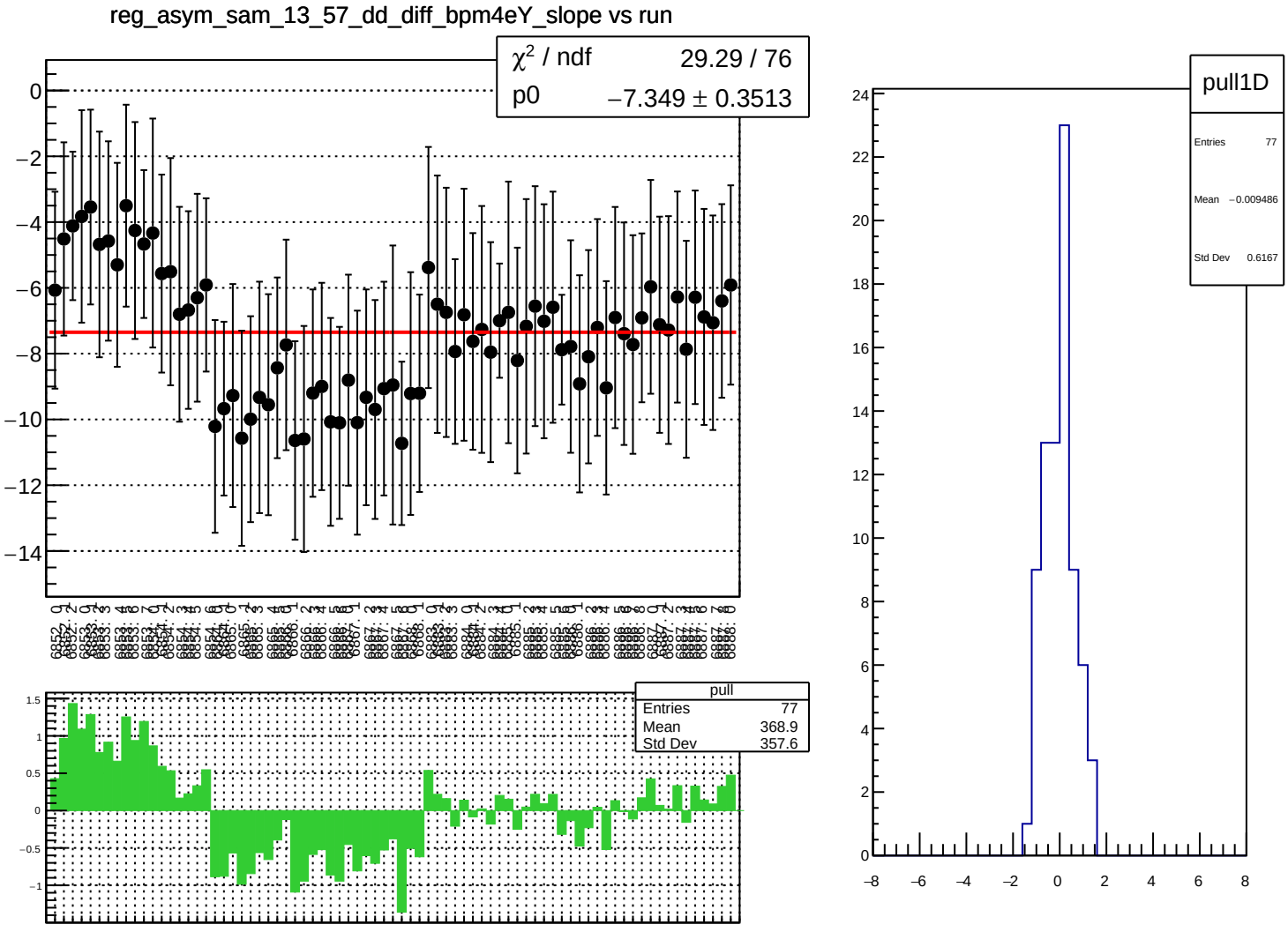

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.48 / 76
p0 −0.4221± 0.04813
pull
Entries 77
Mean 280.1
Std Dev 244
pull1D
Entries 77
Mean −0.08136
Std Dev 0.9998

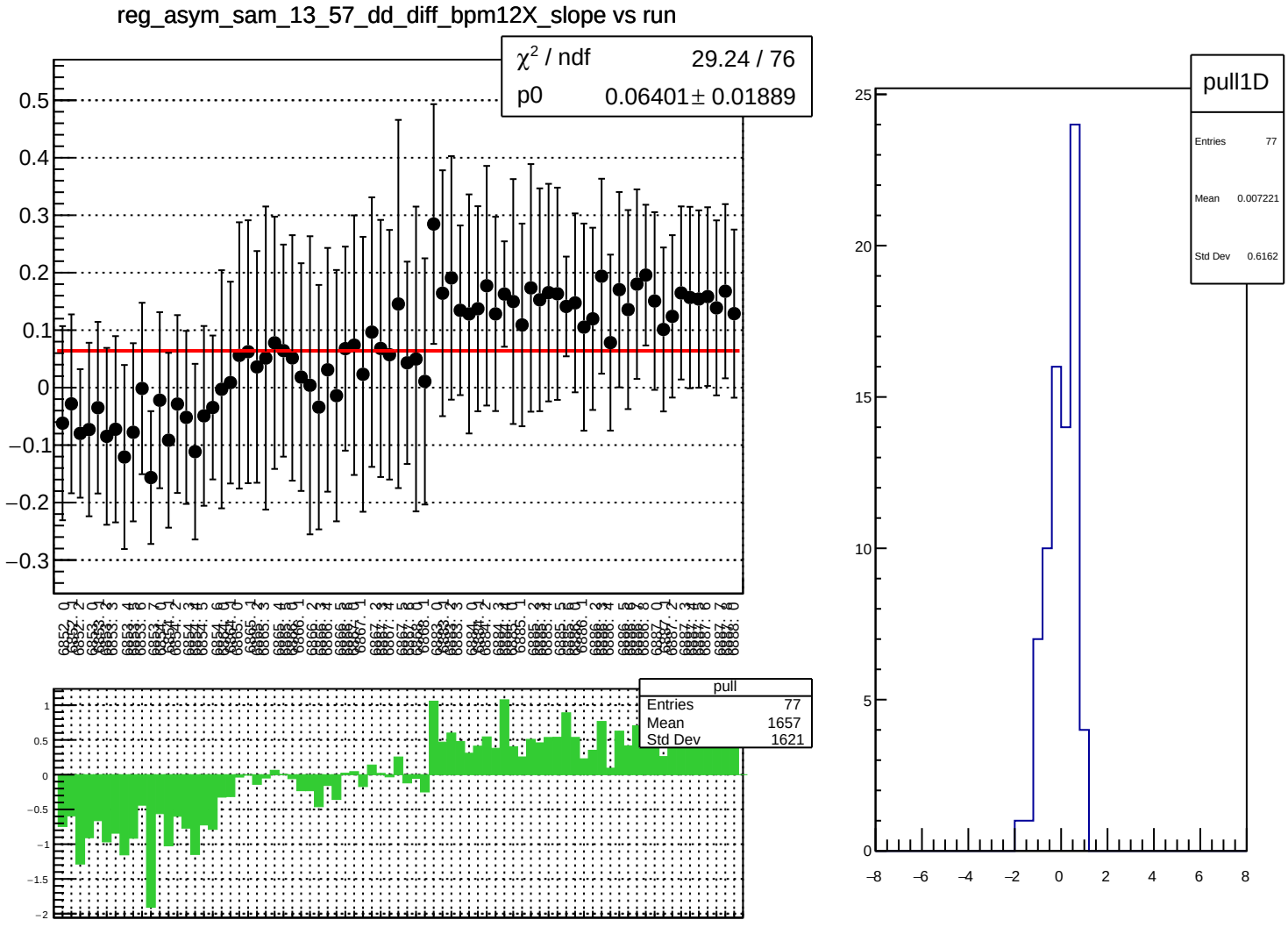

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 141.3 / 76
p0 −9.474 ± 0.4601
pull
Entries 77
Mean −605
Std Dev 641.5
pull1D
Entries 77
Mean −0.043
Std Dev 1.354

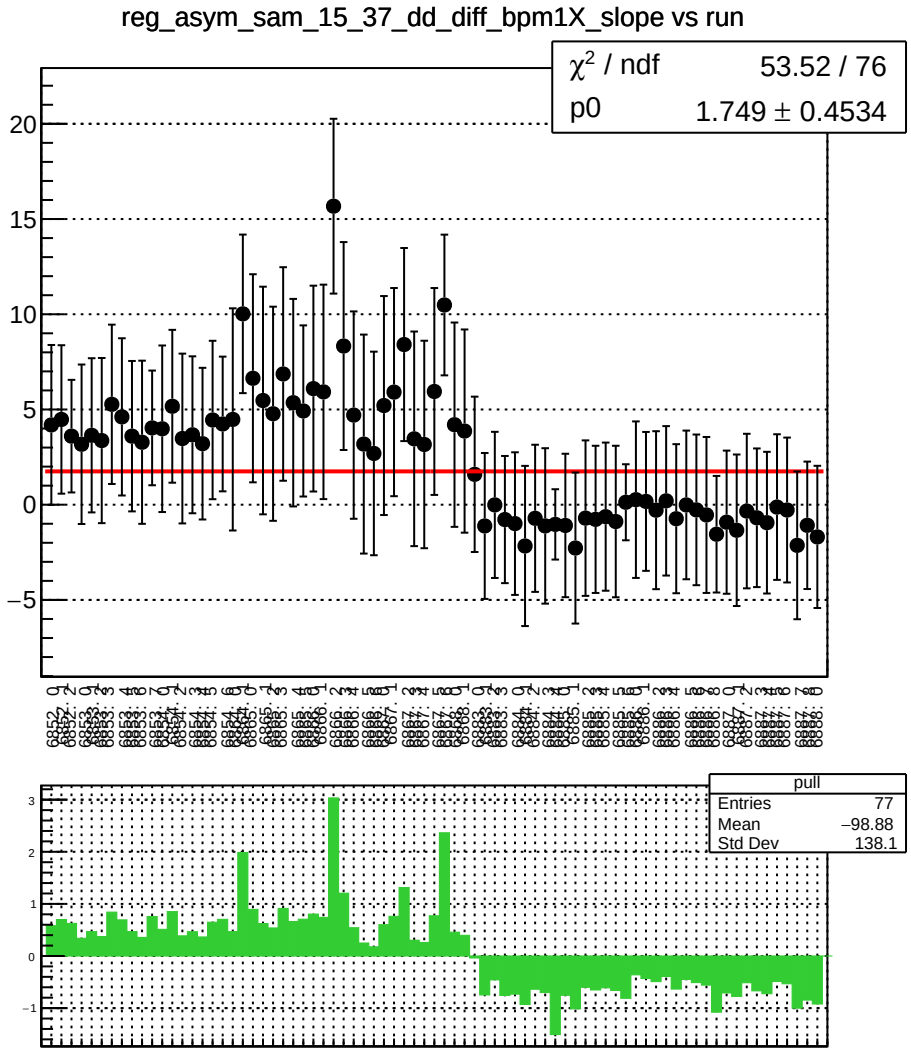

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.28 / 76
p0 −30 ± 0.2743
pull
Entries 77
Mean −177.6
Std Dev 180

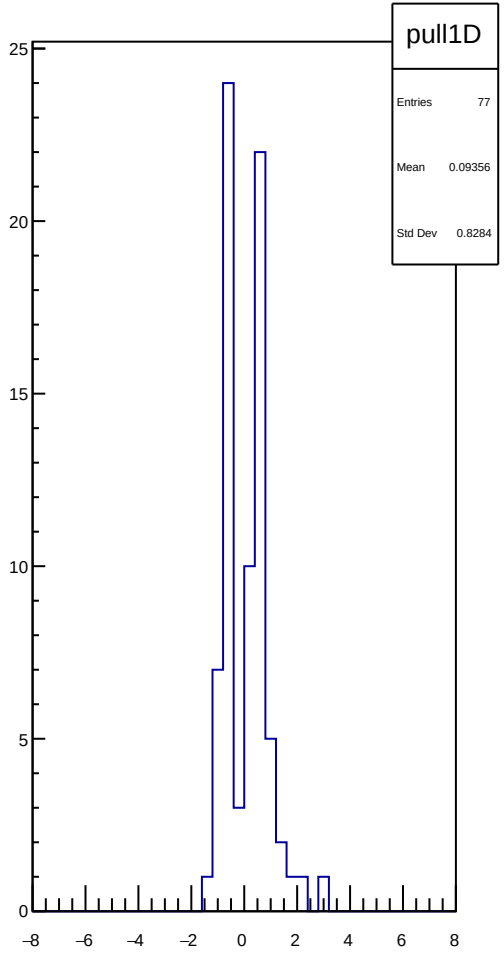

pull1D
Entries 77
Mean −0.01412
Std Dev 0.627

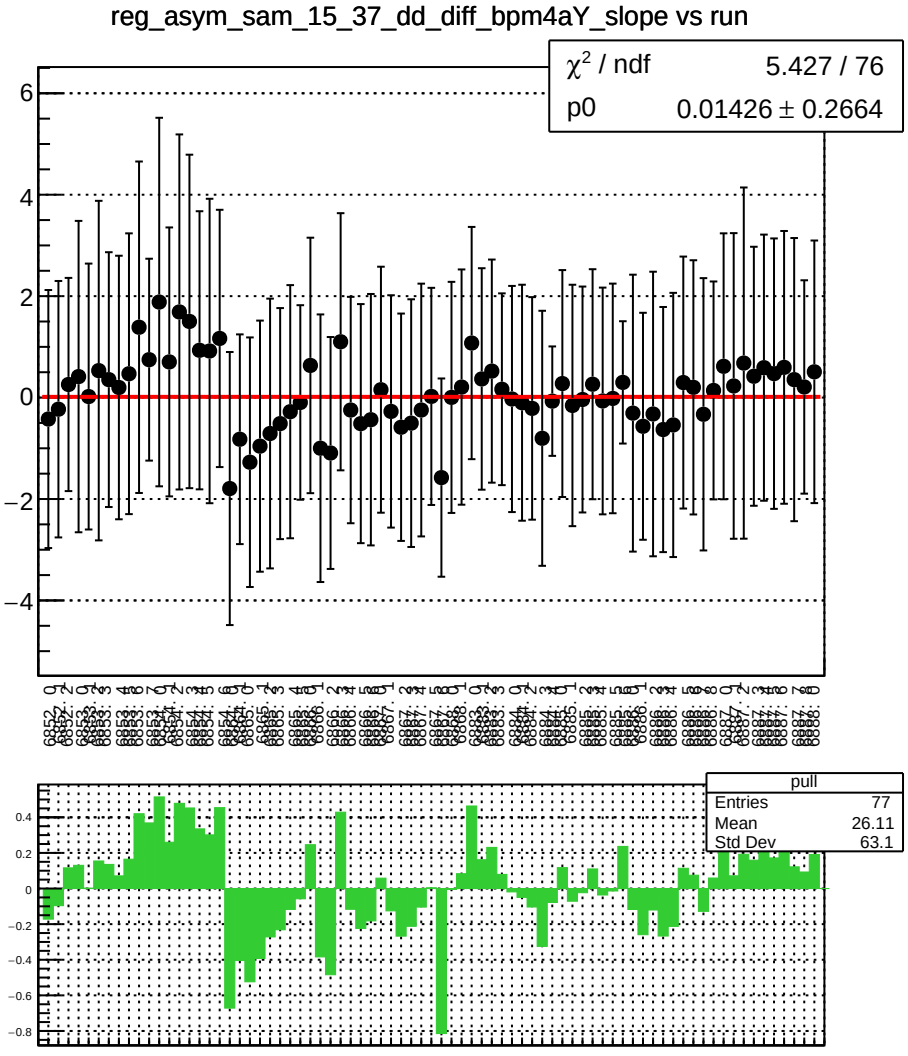

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 128.5 / 76
p0 −14.66 ± 0.4401
pull
Entries 77
Mean −1460
Std Dev 1497
pull1D
Entries 77
Mean 0.01762
Std Dev 1.292

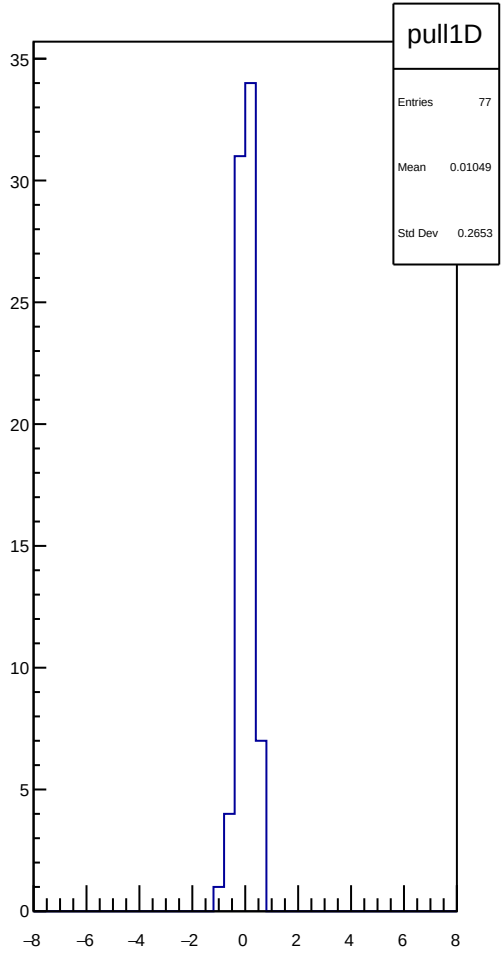

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.29 / 76
p0 −7.349 ± 0.3513
pull
Entries 77
Mean 368.9
Std Dev 357.6
pull1D
Entries 77
Mean −0.009486
Std Dev 0.6167

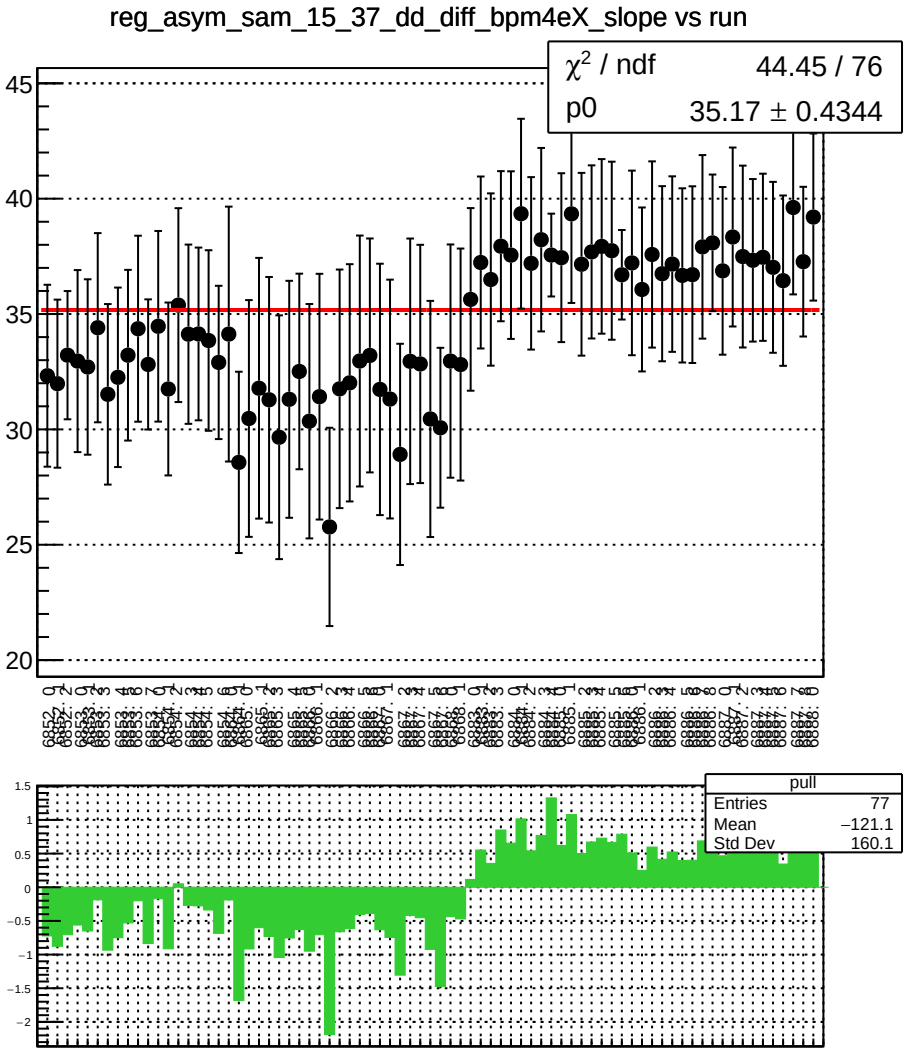

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 29.24 / 76
p0 0.06401 ± 0.01889
pull
Entries 77
Mean 1657
Std Dev 1621
pull1D
Entries 77
Mean 0.007221
Std Dev 0.6162

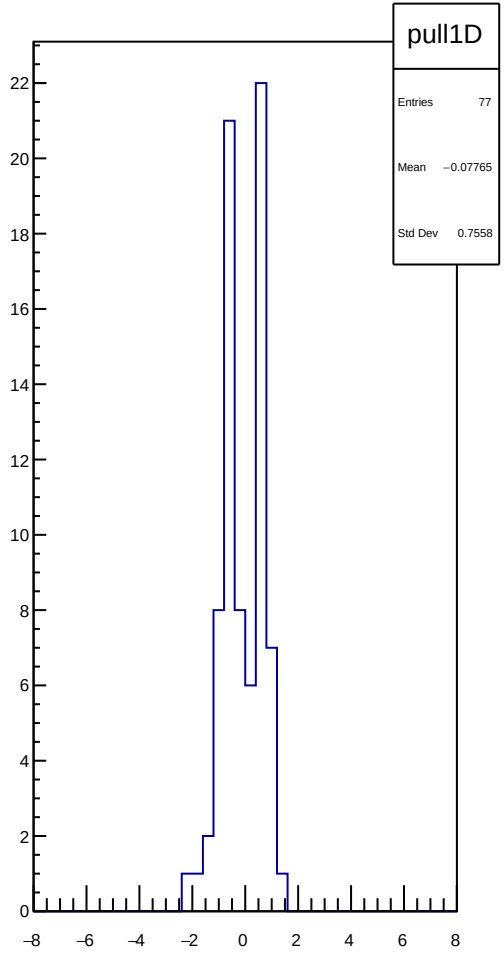

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 53.52 / 76
p0 1.749 ± 0.4534
pull
Entries 77
Mean −98.88
Std Dev 138.1

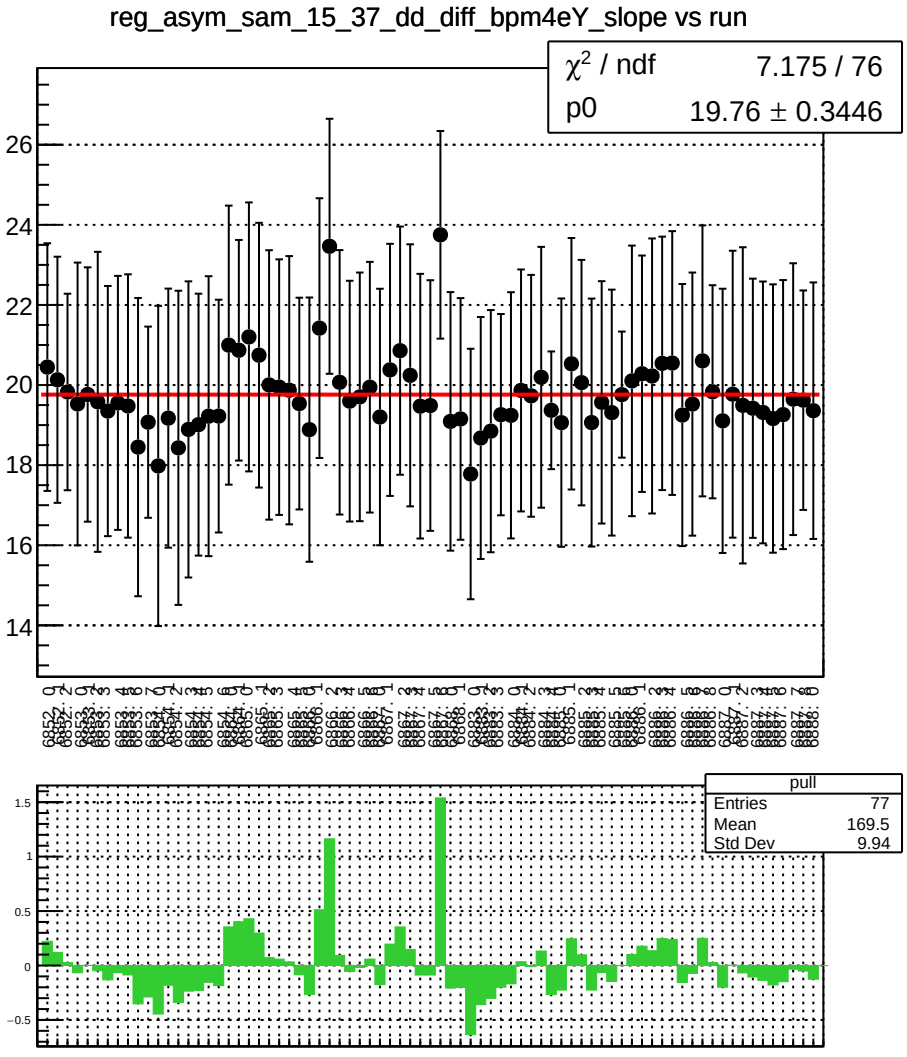

pull1D
Entries 77
Mean 0.09356
Std Dev 0.8284

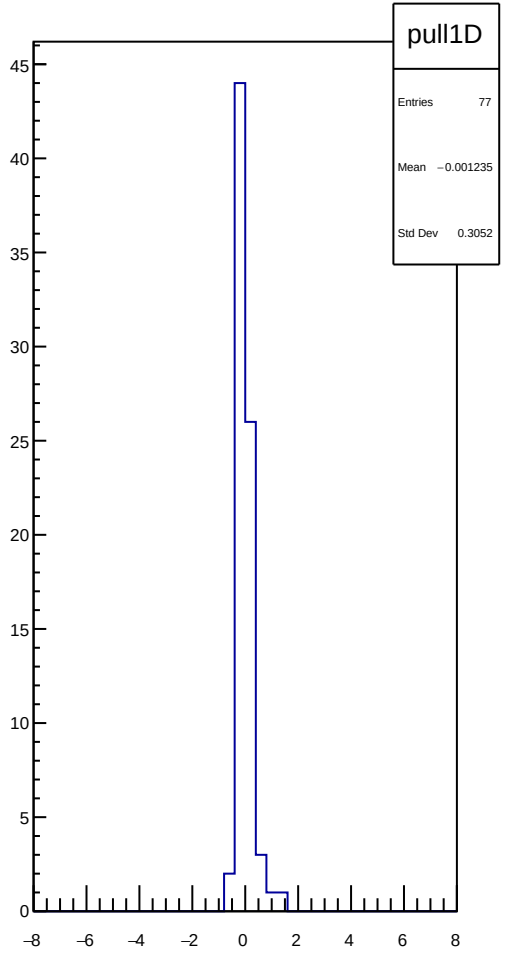

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.427 / 76
p0 0.01426 ± 0.2664
pull
Entries 77
Mean 26.11
Std Dev 63.1

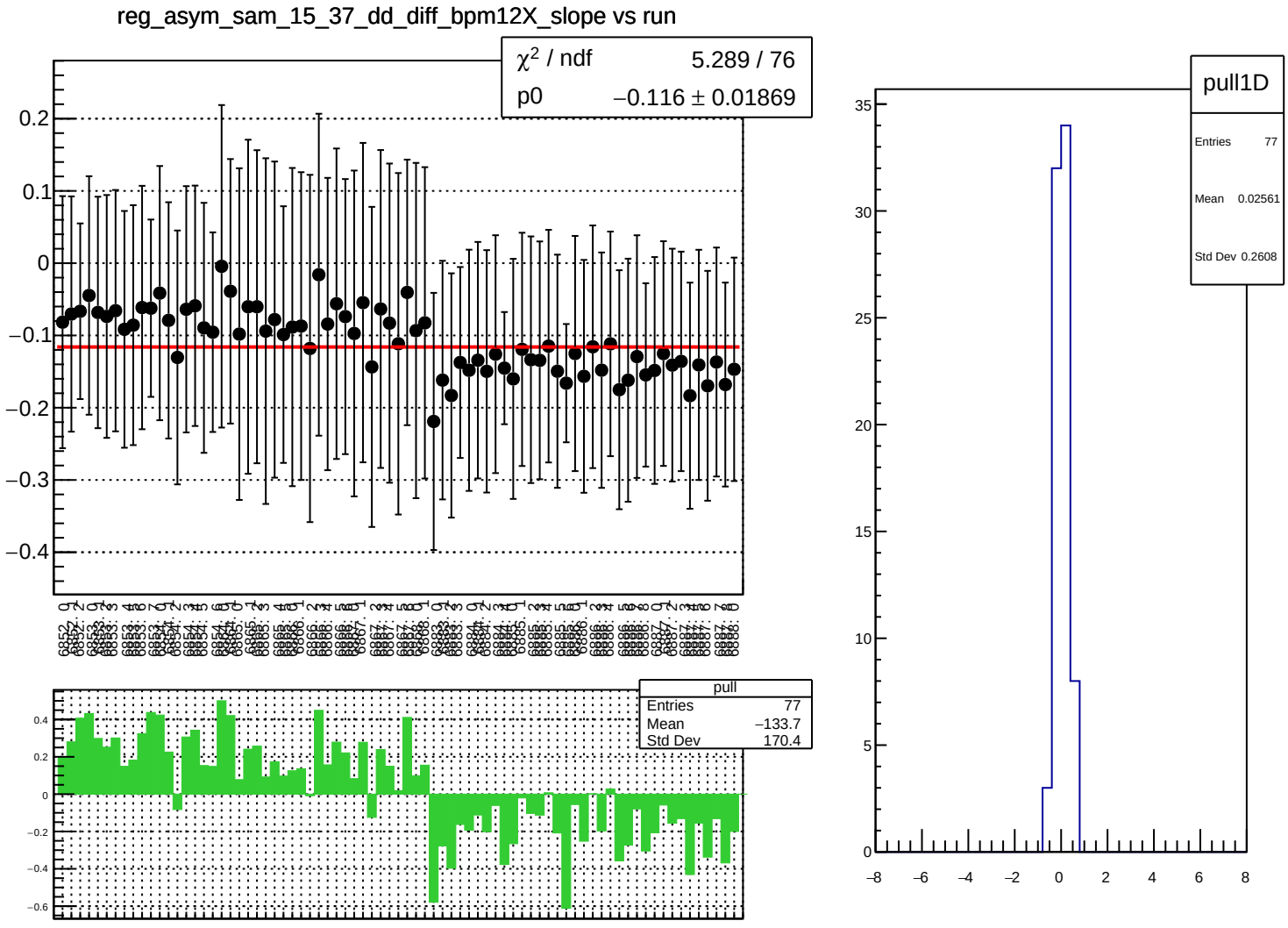

pull1D
Entries 77
Mean 0.01049
Std Dev 0.2653

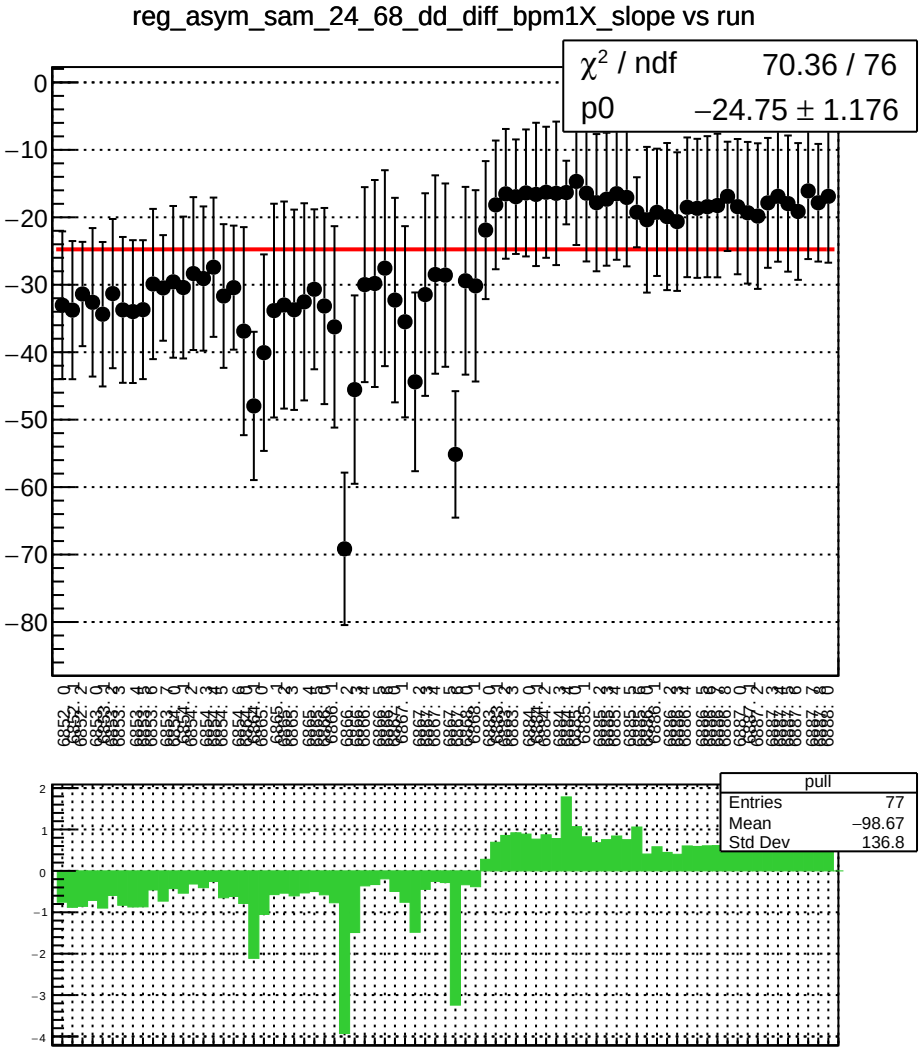

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.45 / 76
p0 35.17 ± 0.4344
pull
Entries 77
Mean −121.1
Std Dev 160.1

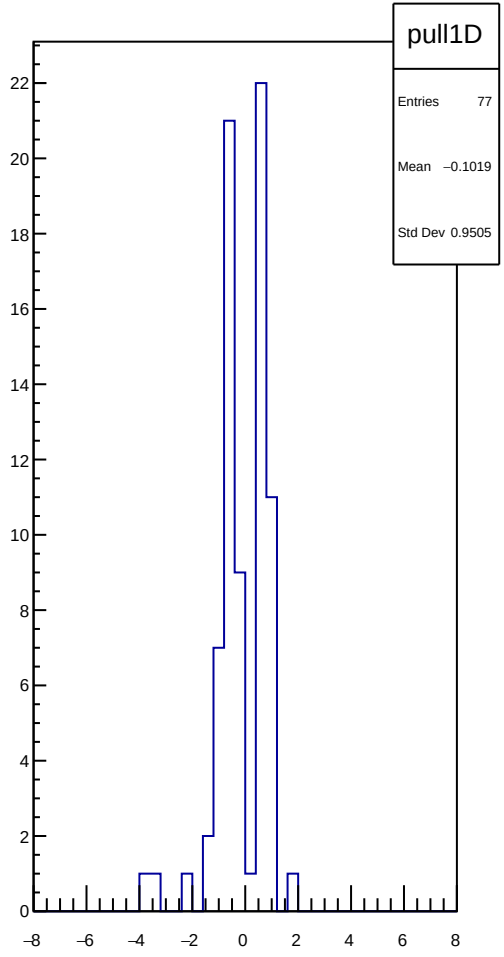

pull1D
Entries 77
Mean −0.07765
Std Dev 0.7558

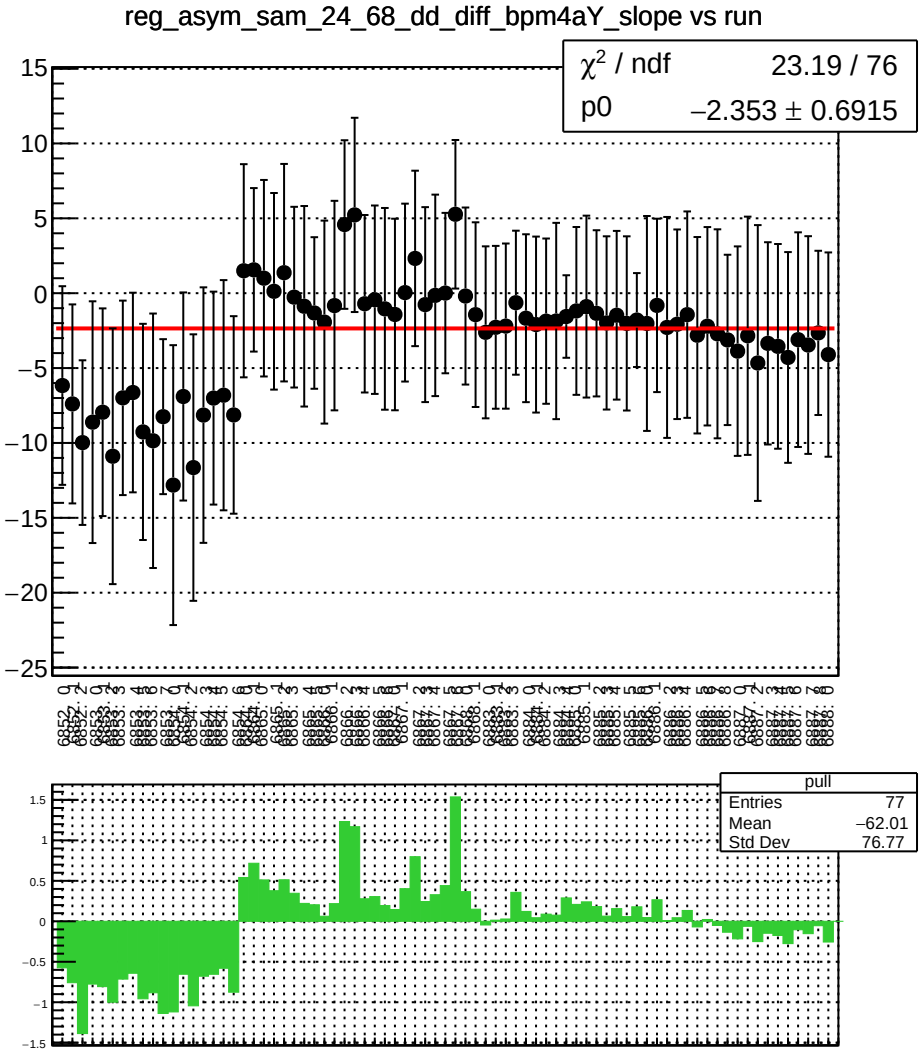

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.175 / 76
p0 19.76 ± 0.3446
pull
Entries 77
Mean 169.5
Std Dev 9.94

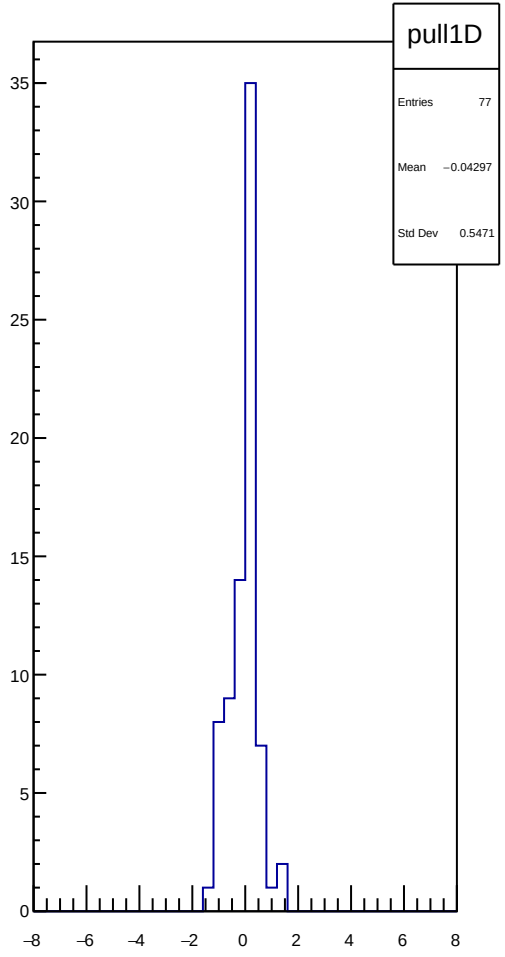

pull1D
Entries 77
Mean −0.001235
Std Dev 0.3052

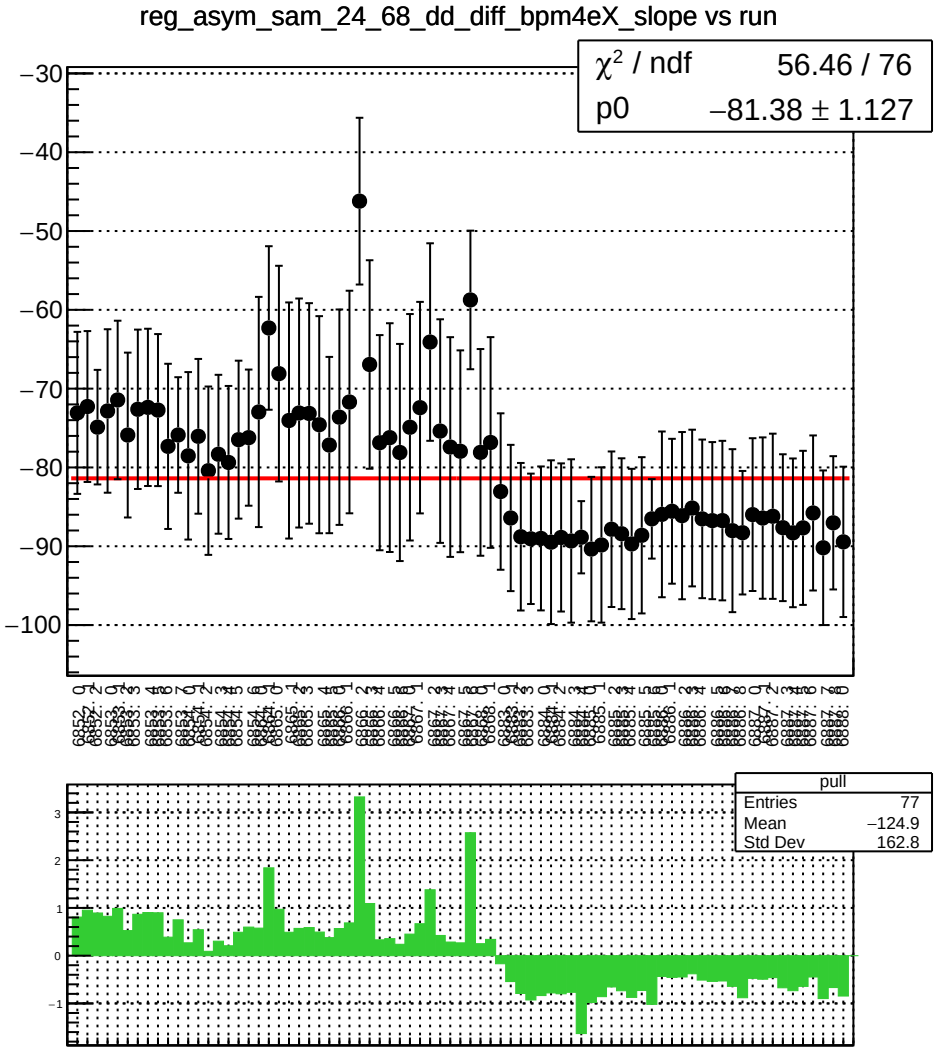

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 5.289 / 76
p0 −0.116 ± 0.01869
pull
Entries 77
Mean −133.7
Std Dev 170.4
pull1D
Entries 77
Mean 0.02561
Std Dev 0.2608

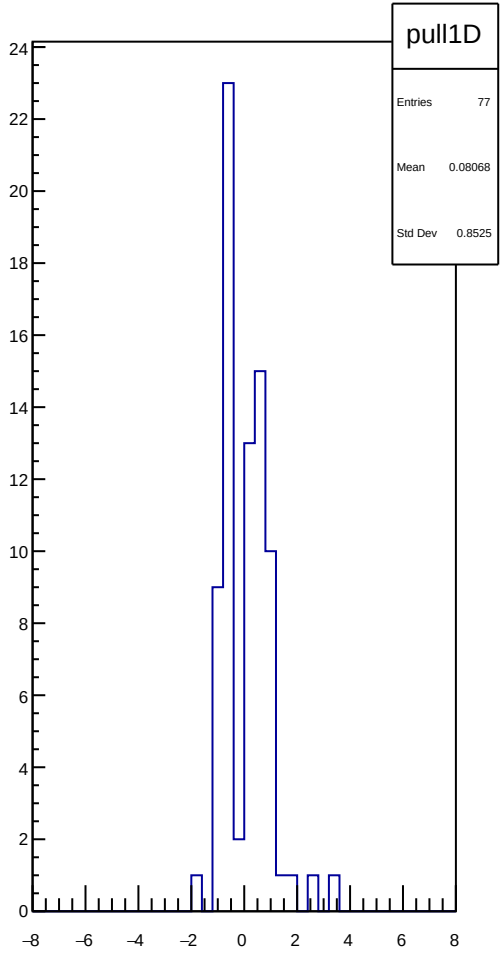

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 70.36 / 76
p0 −24.75 ± 1.176
pull
Entries 77
Mean −98.67
Std Dev 136.8

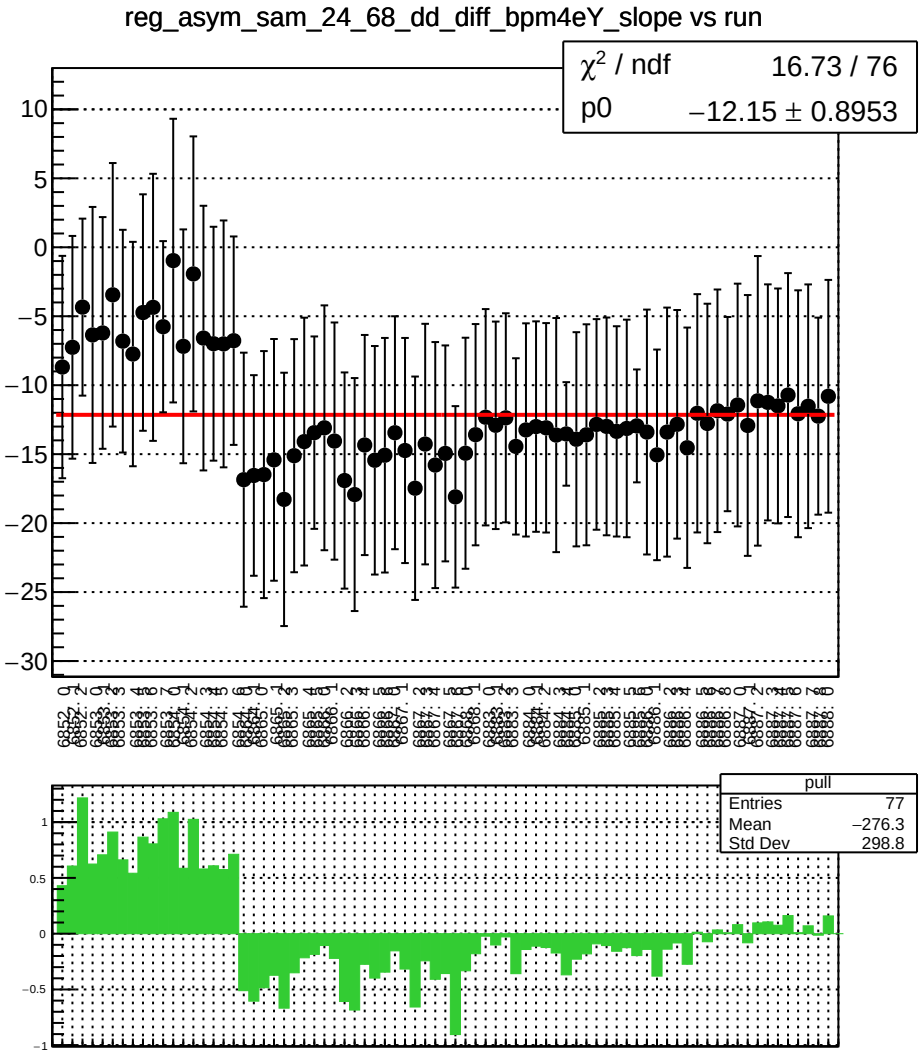

pull1D
Entries 77
Mean −0.1019
Std Dev 0.9505

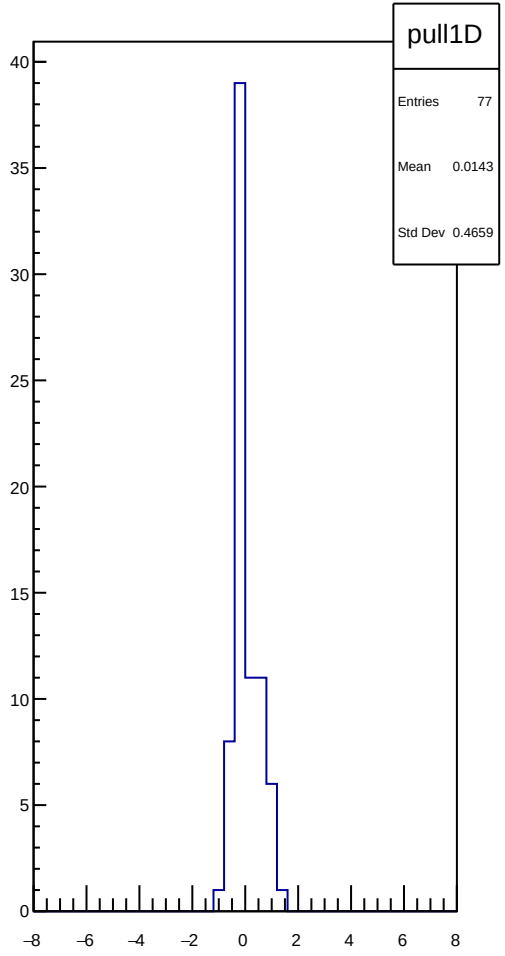

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.19 / 76
p0 −2.353 ± 0.6915
pull
Entries 77
Mean −62.01
Std Dev 76.77

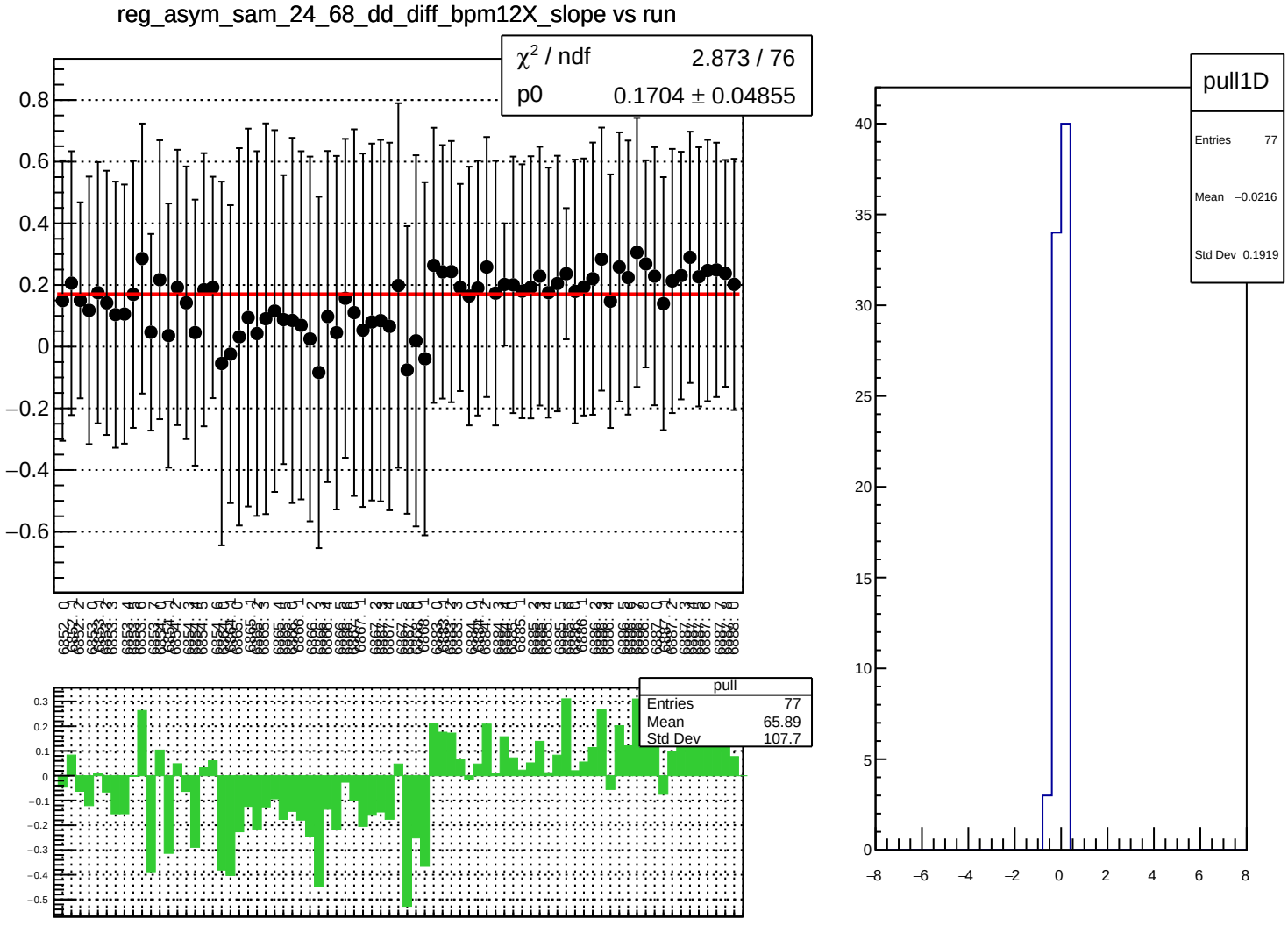

pull1D
Entries 77
Mean −0.04297
Std Dev 0.5471

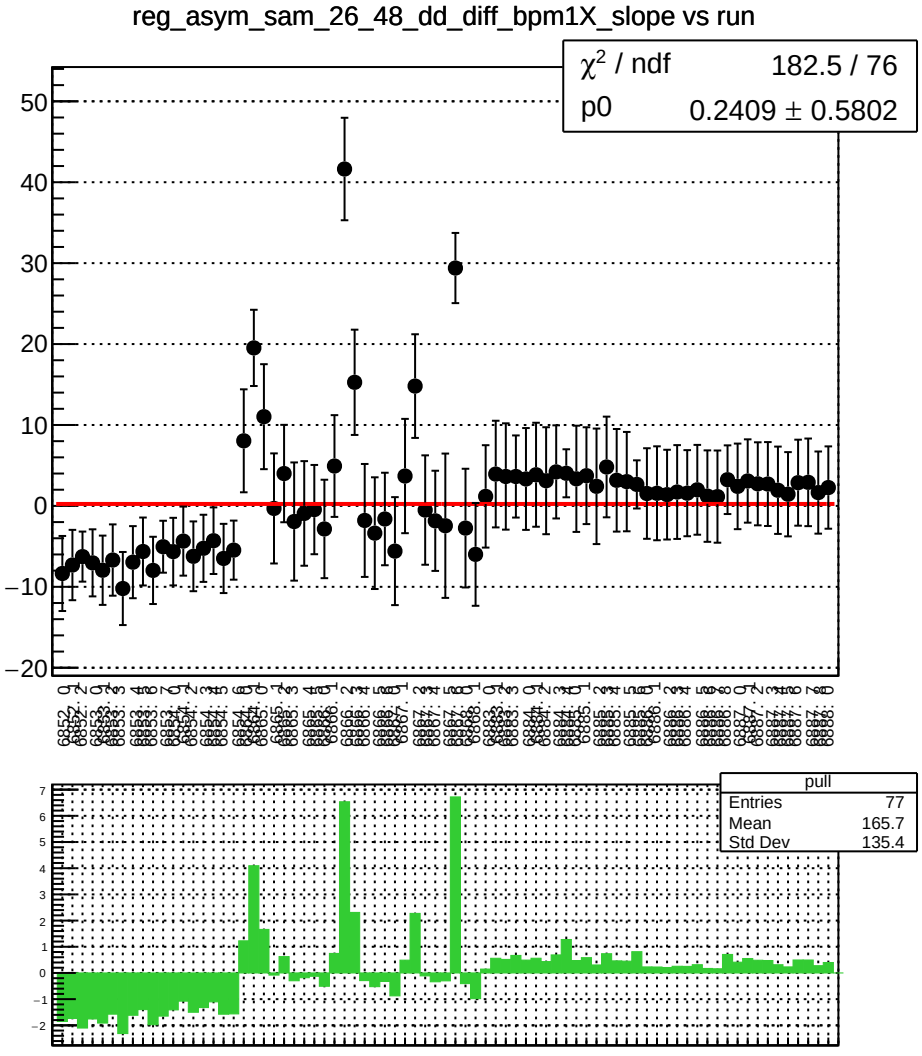

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.46 / 76
p0 −81.38 ± 1.127
pull
Entries 77
Mean −124.9
Std Dev 162.8

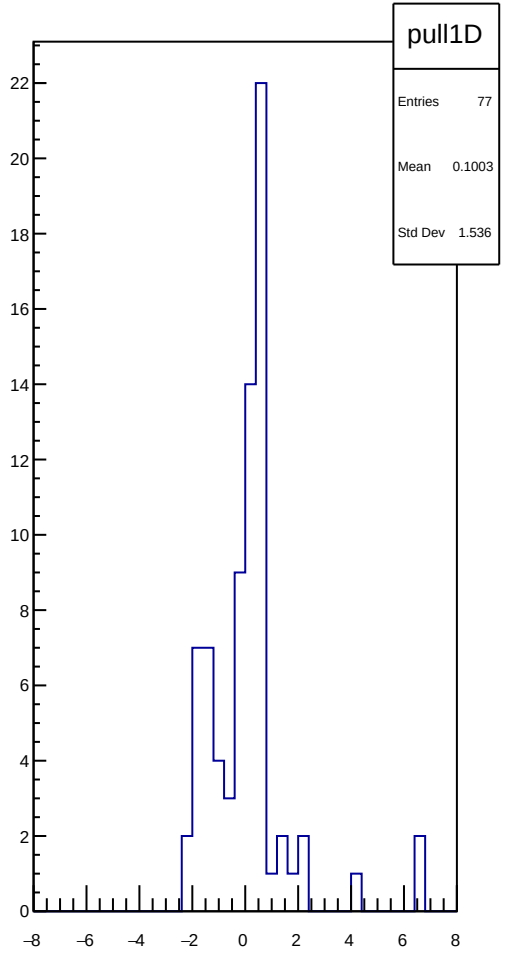

pull1D
Entries 77
Mean 0.08068
Std Dev 0.8525

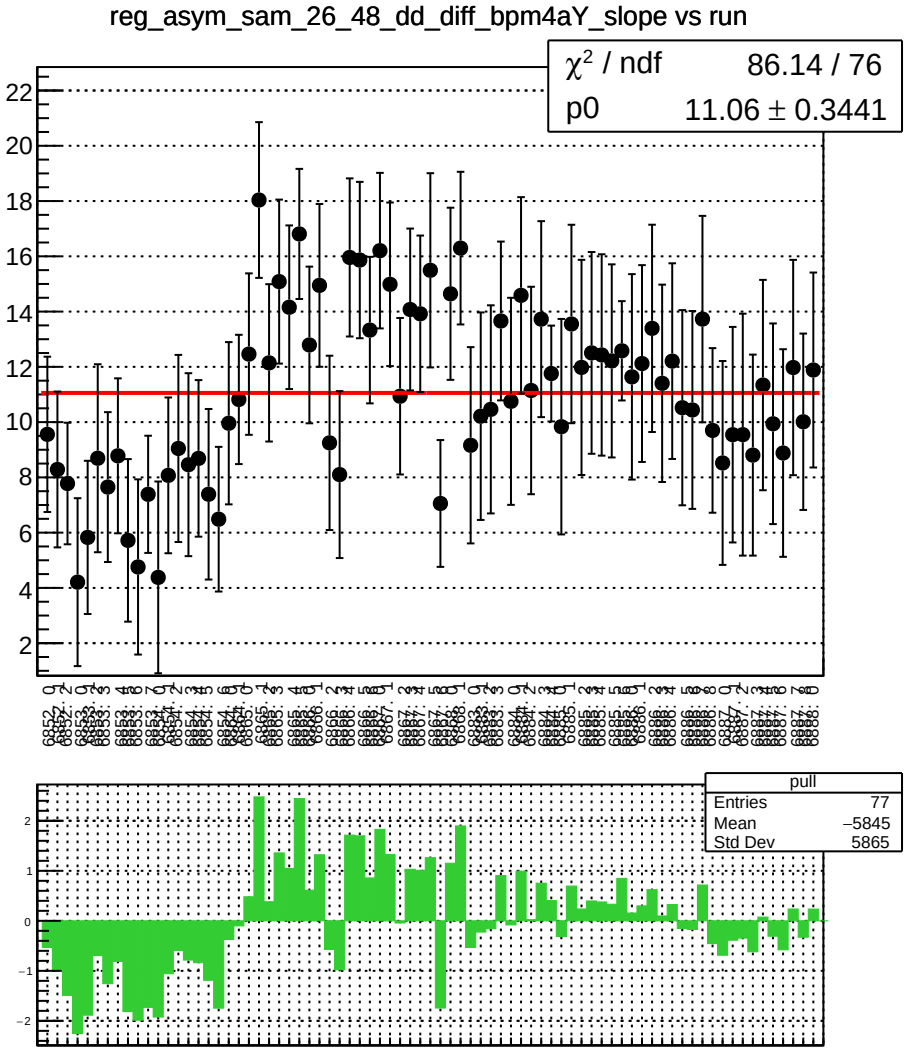

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 16.73 / 76
p0 −12.15 ± 0.8953
pull
Entries 77
Mean −276.3
Std Dev 298.8

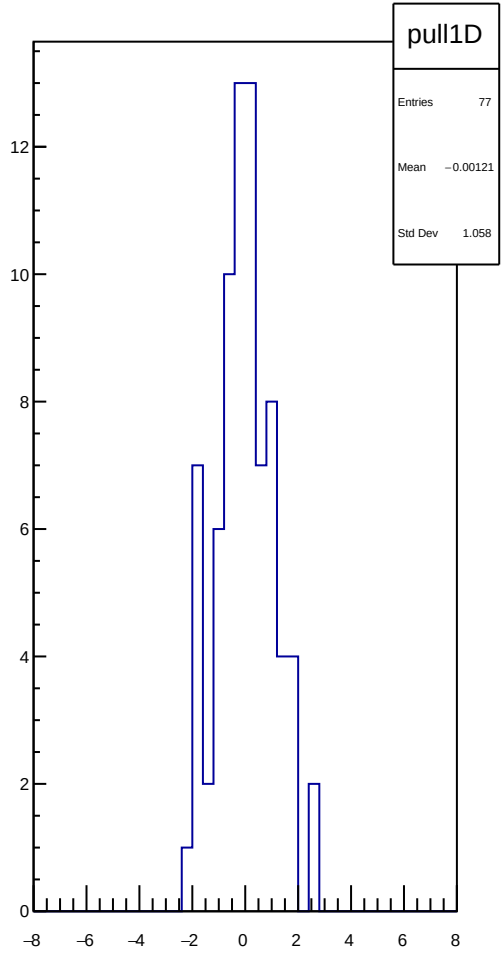

pull1D
Entries 77
Mean 0.0143
Std Dev 0.4659

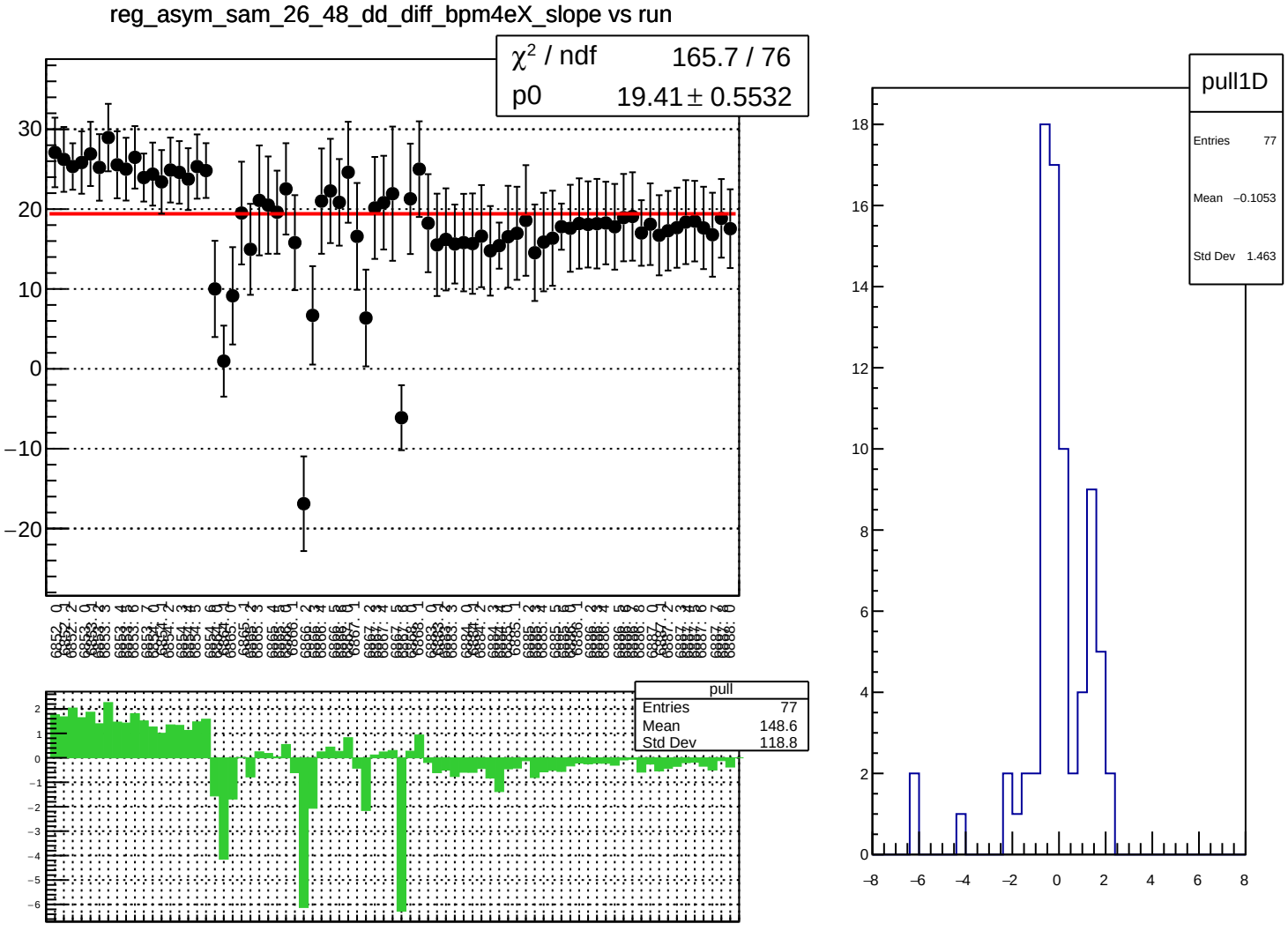

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.873 / 76
p0 0.1704 ± 0.04855
pull
Entries 77
Mean −65.89
Std Dev 107.7
pull1D
Entries 77
Mean −0.0216
Std Dev 0.1919

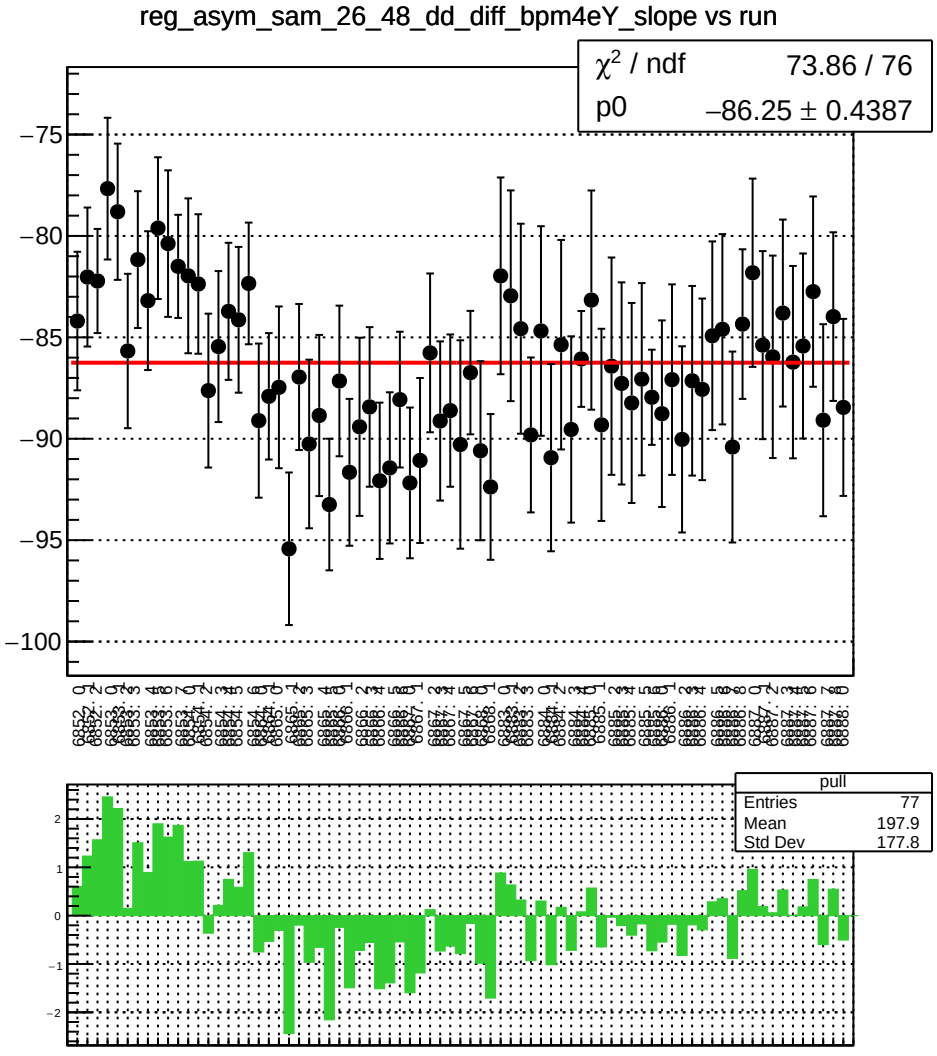

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 182.5 / 76
p0 0.2409 ± 0.5802
pull
Entries 77
Mean 165.7
Std Dev 135.4

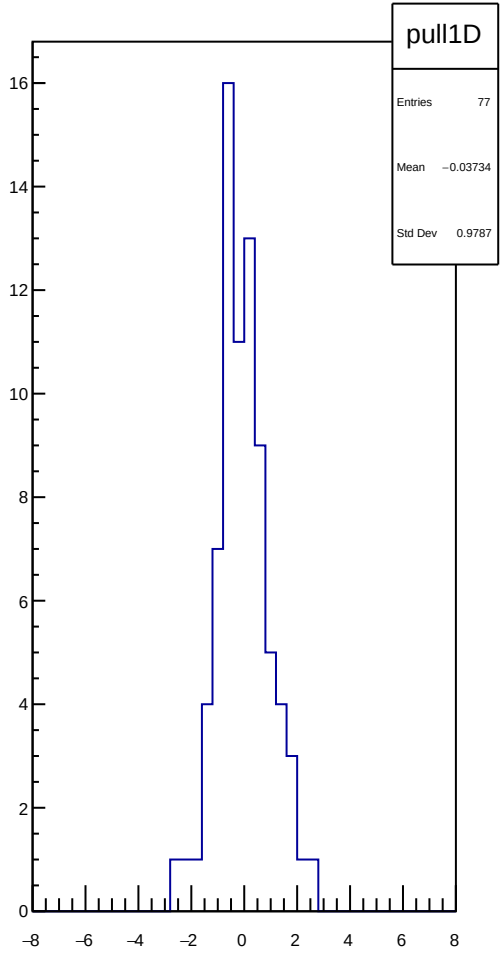

pull1D
Entries 77
Mean 0.1003
Std Dev 1.536

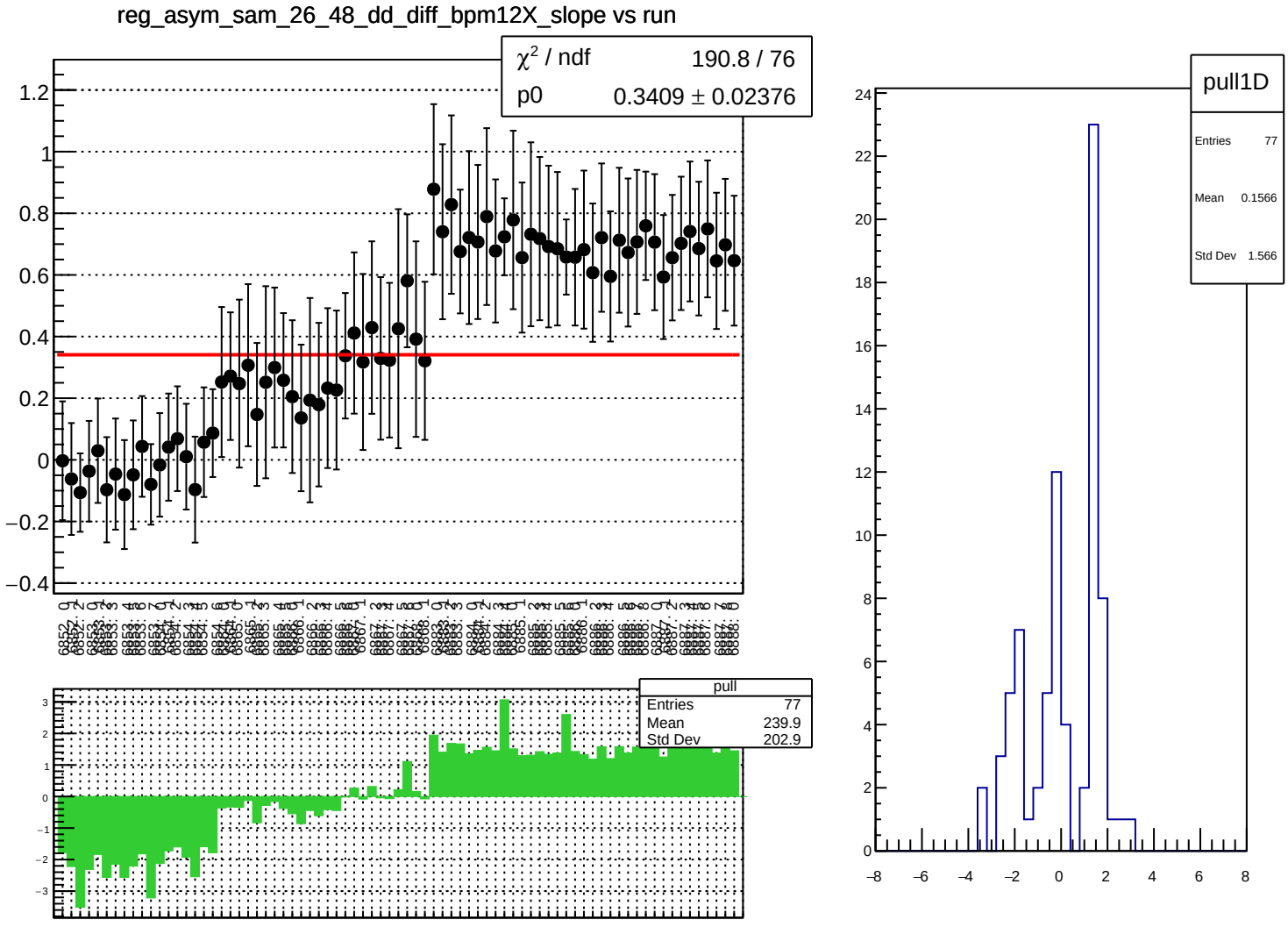

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.14 / 76
p0 11.06 ± 0.3441
pull
Entries 77
Mean −5845
Std Dev 5865

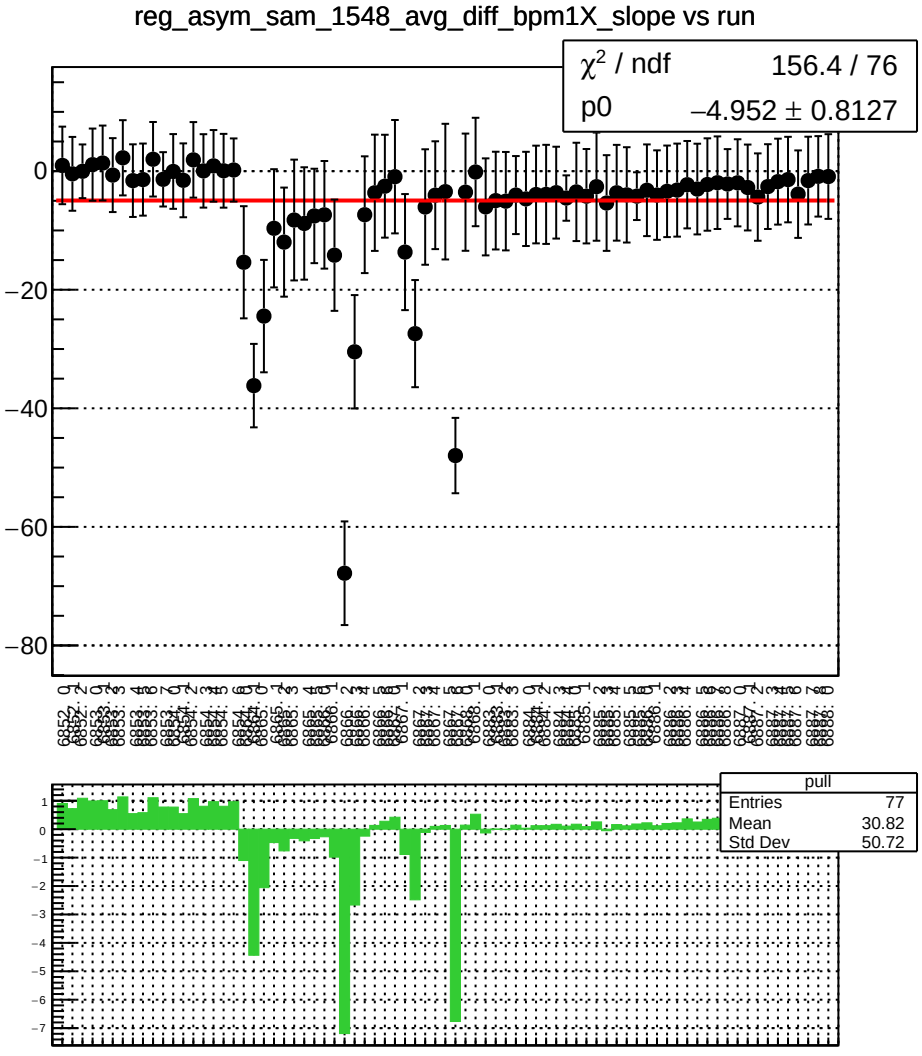

pull1D
Entries 77
Mean −0.00121
Std Dev 1.058

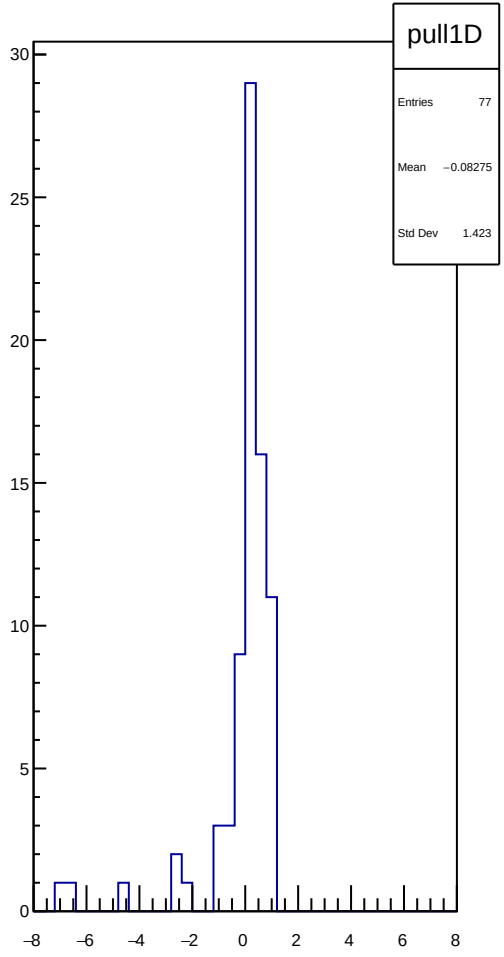

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 165.7 / 76
p0 19.41 ± 0.5532
pull
Entries 77
Mean 148.6
Std Dev 118.8
pull1D
Entries 77
Mean −0.1053
Std Dev 1.463

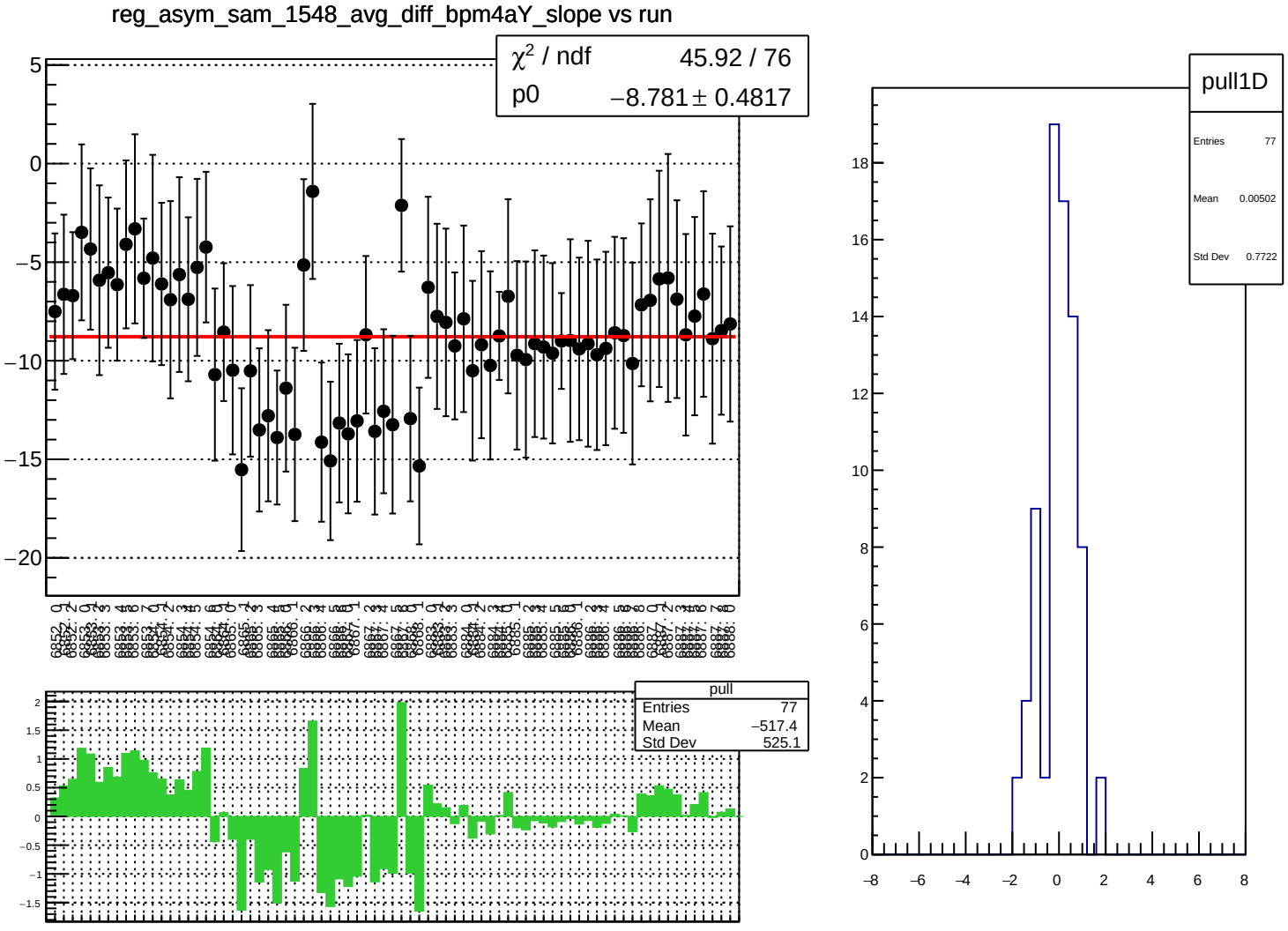

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 73.86 / 76
p0 −86.25 ± 0.4387
pull
Entries 77
Mean 197.9
Std Dev 177.8

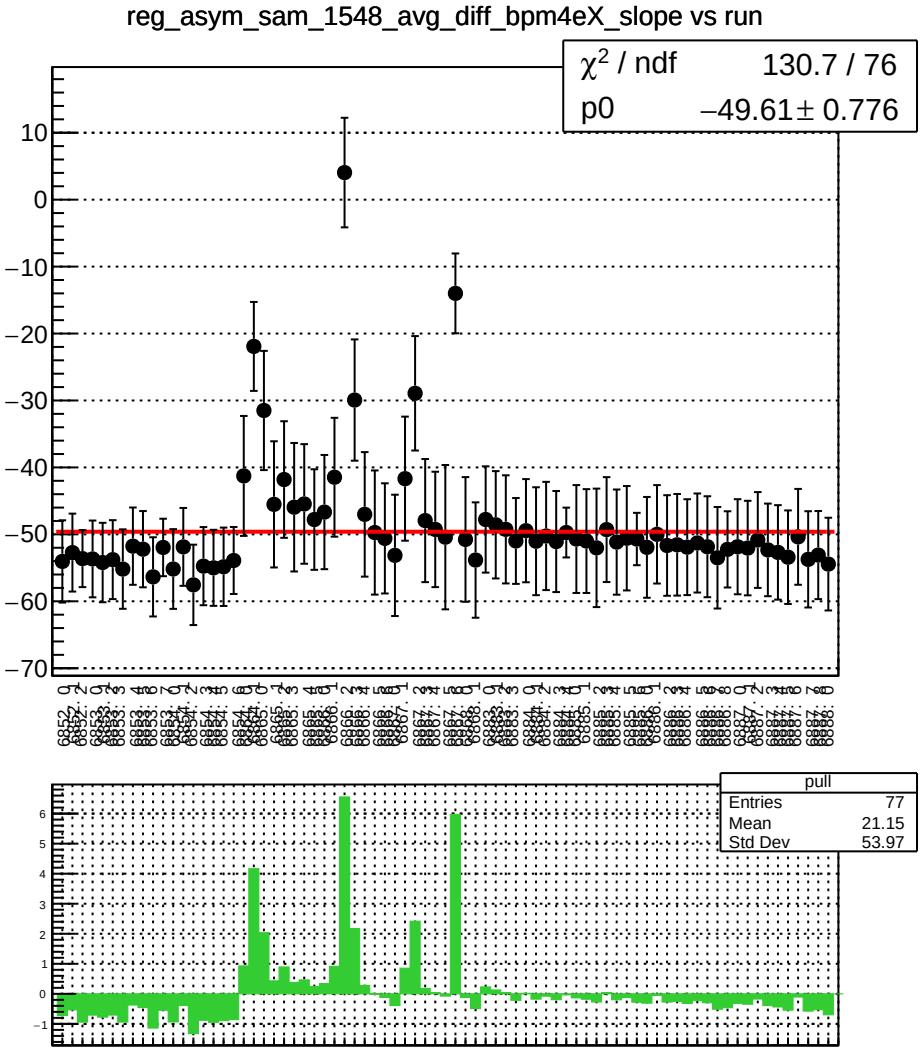

pull1D
Entries 77
Mean −0.03734
Std Dev 0.9787

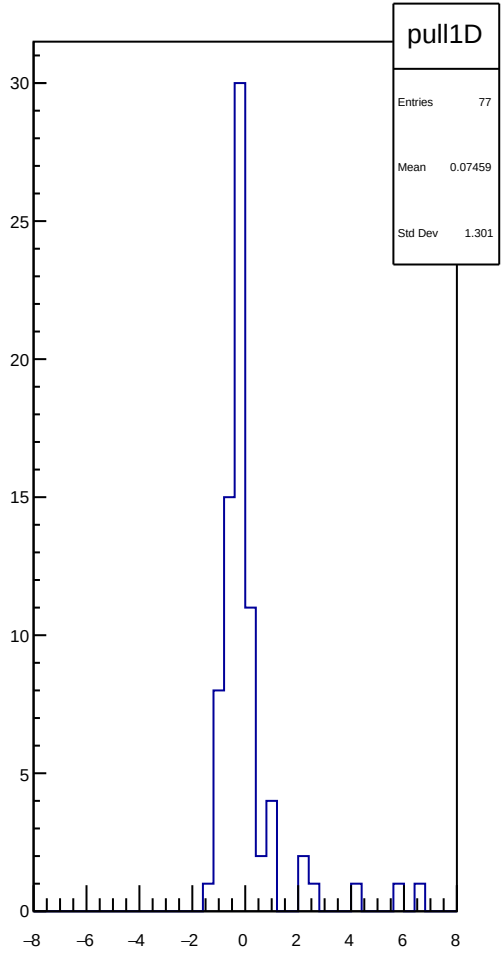

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 190.8 / 76
p0 0.3409 ± 0.02376
pull
Entries 77
Mean 239.9
Std Dev 202.9
pull1D
Entries 77
Mean 0.1566
Std Dev 1.566

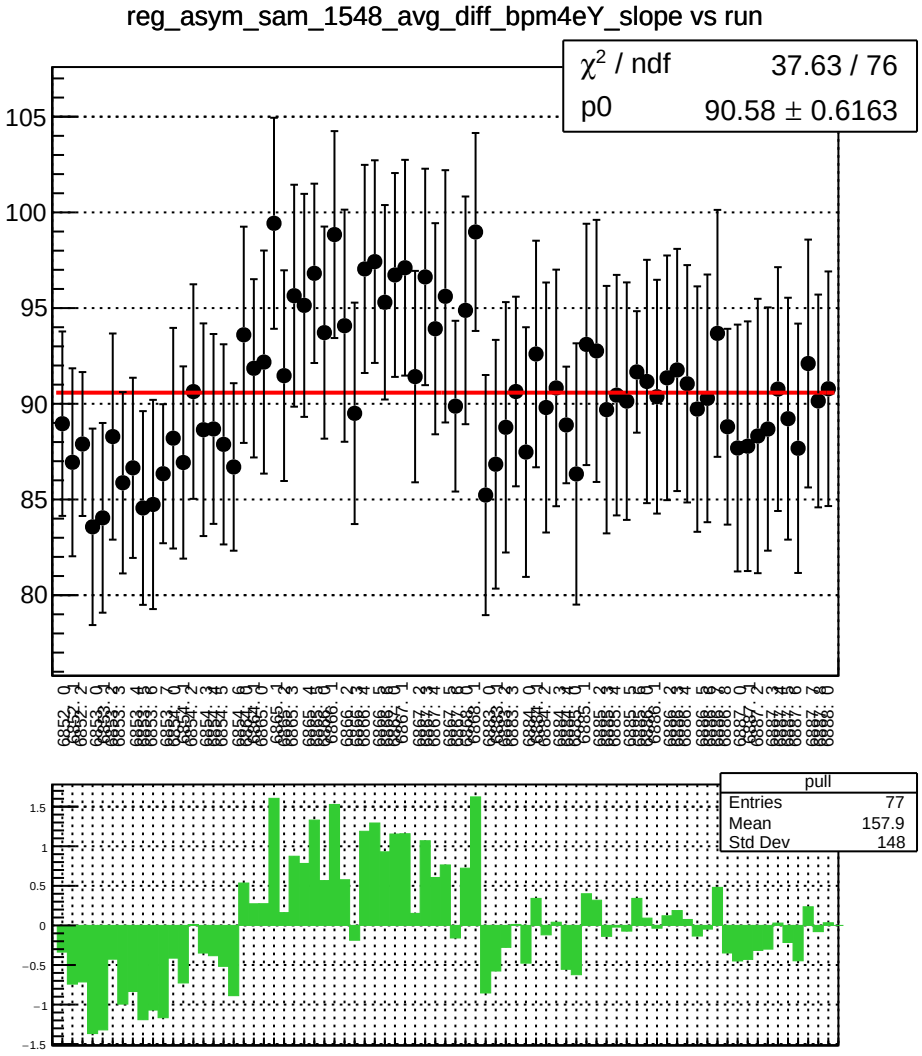

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 156.4 / 76
p0 −4.952 ± 0.8127
pull
Entries 77
Mean 30.82
Std Dev 50.72

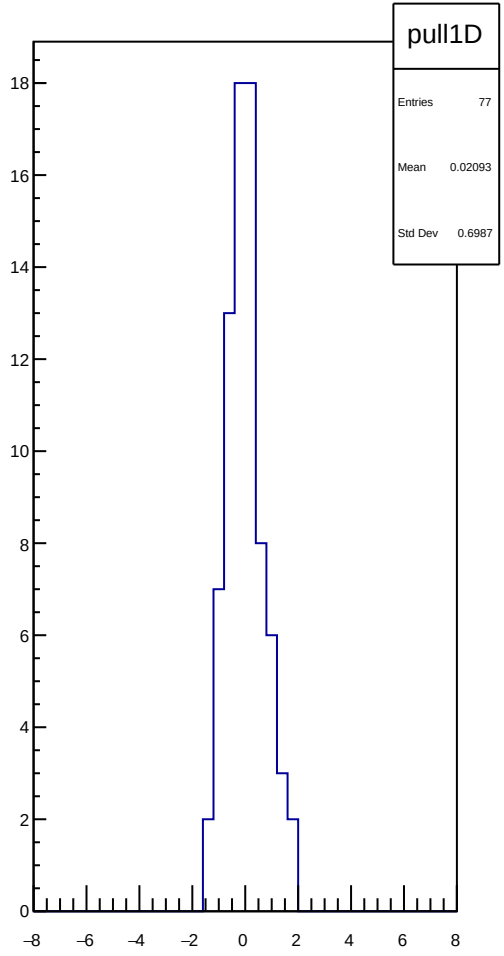

pull1D
Entries 77
Mean −0.08275
Std Dev 1.423

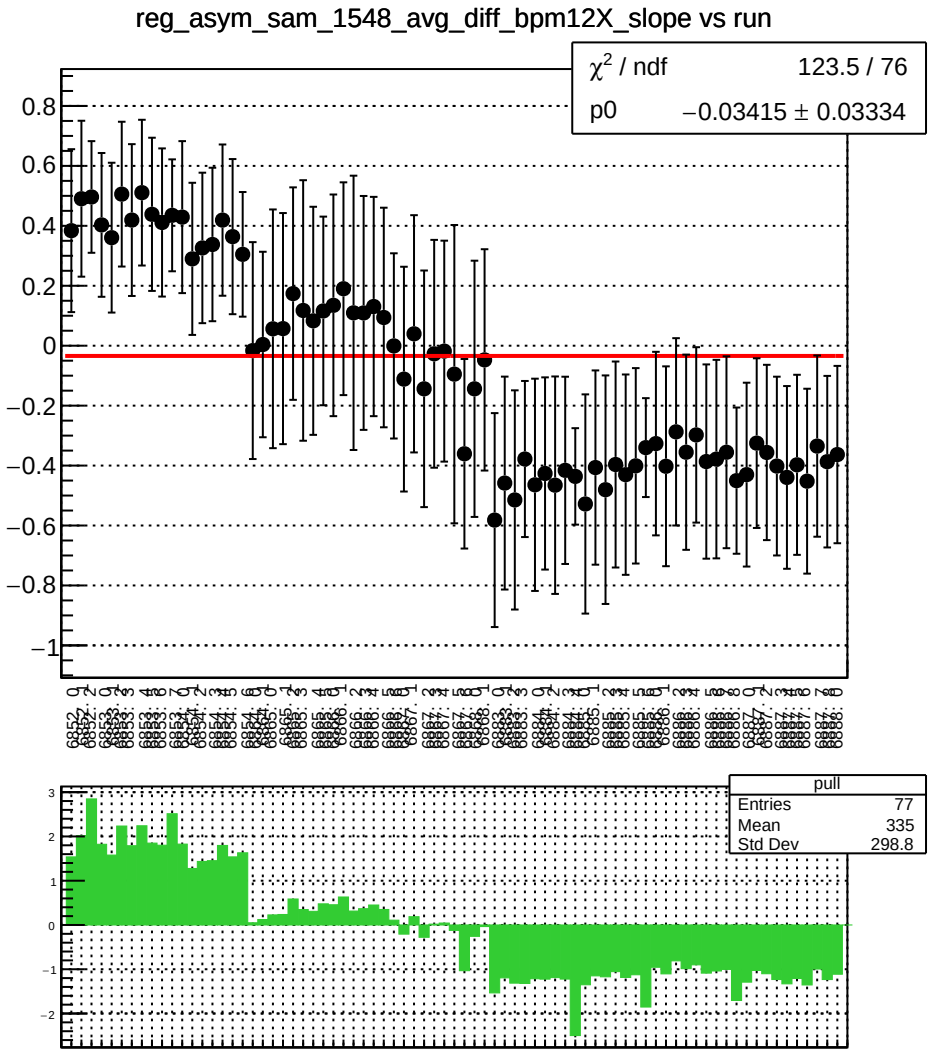

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.92 / 76
p0 −8.781 ± 0.4817
pull
Entries 77
Mean −517.4
Std Dev 525.1
pull1D
Entries 77
Mean 0.00502
Std Dev 0.7722

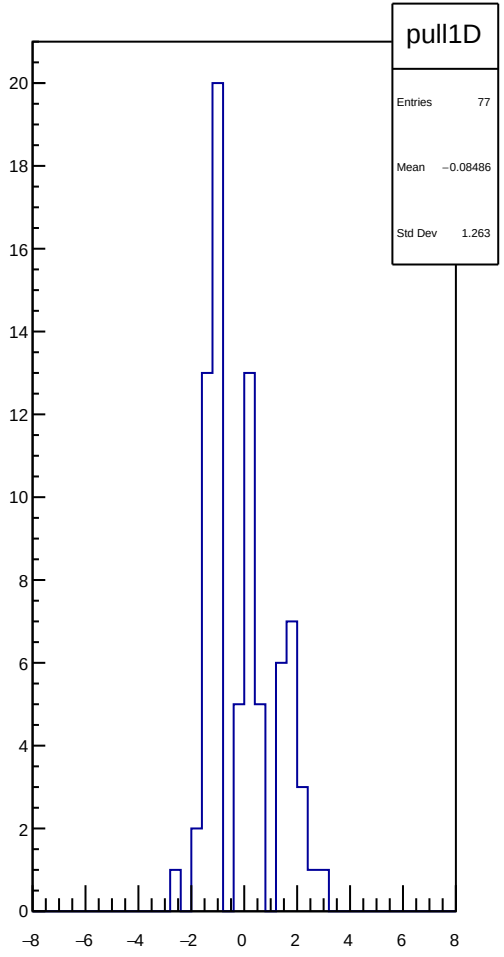

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 130.7 / 76
p0 −49.61 ± 0.776
pull
Entries 77
Mean 21.15
Std Dev 53.97

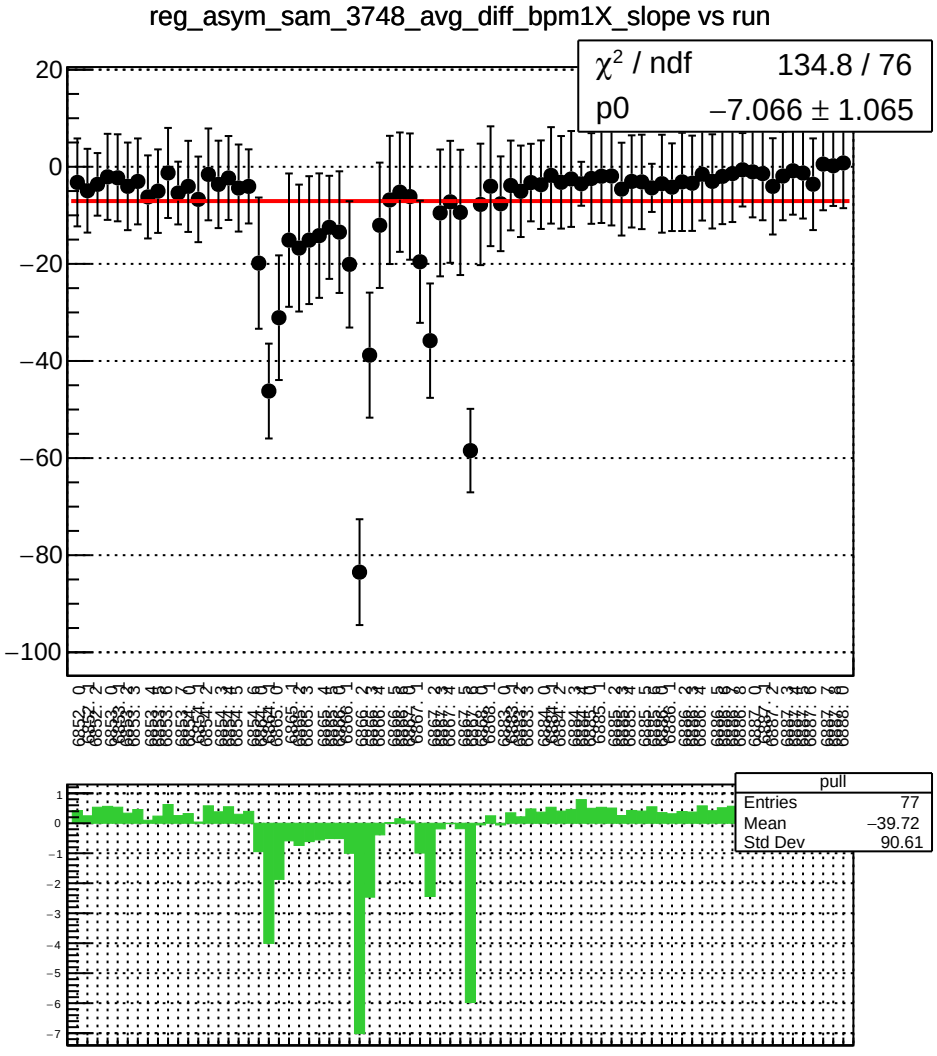

pull1D
Entries 77
Mean 0.07459
Std Dev 1.301

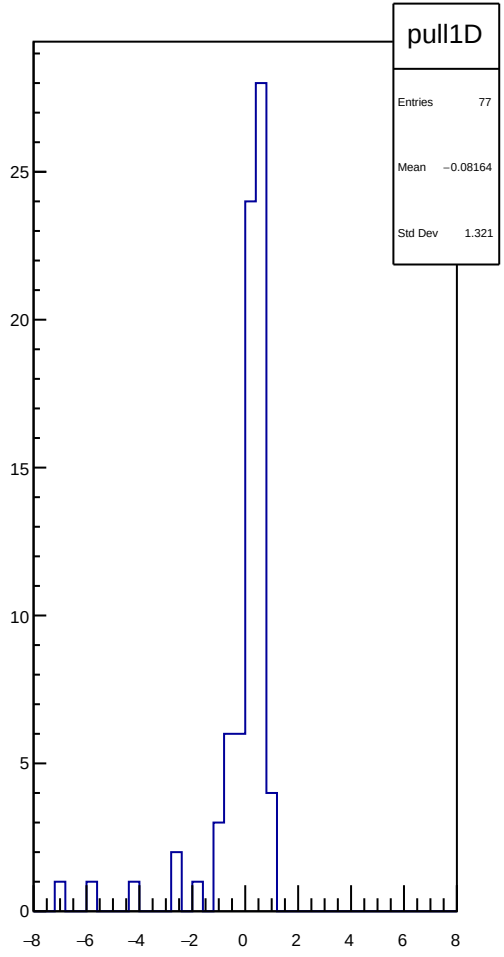

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.63 / 76
p0 90.58 ± 0.6163
pull
Entries 77
Mean 157.9
Std Dev 148

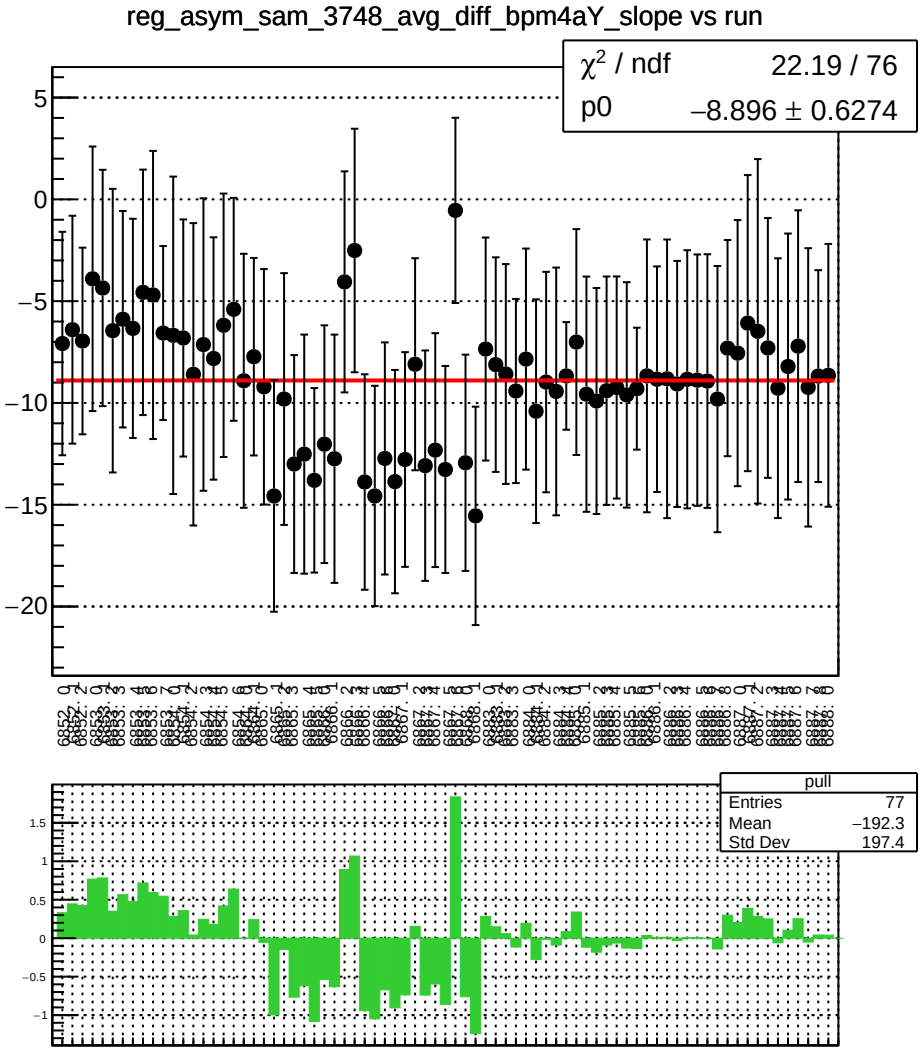

pull1D
Entries 77
Mean 0.02093
Std Dev 0.6987

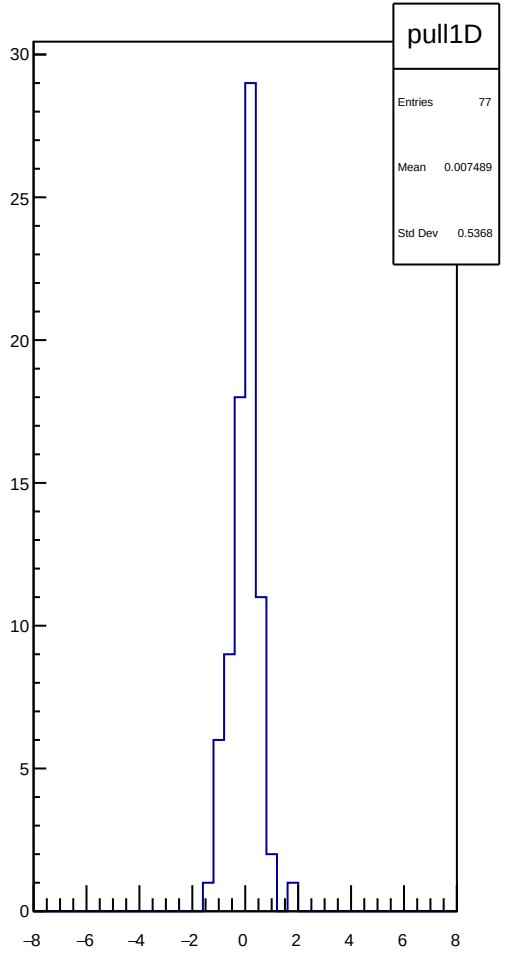

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 123.5 / 76
p0 −0.03415 ± 0.03334
pull
Entries 77
Mean 335
Std Dev 298.8

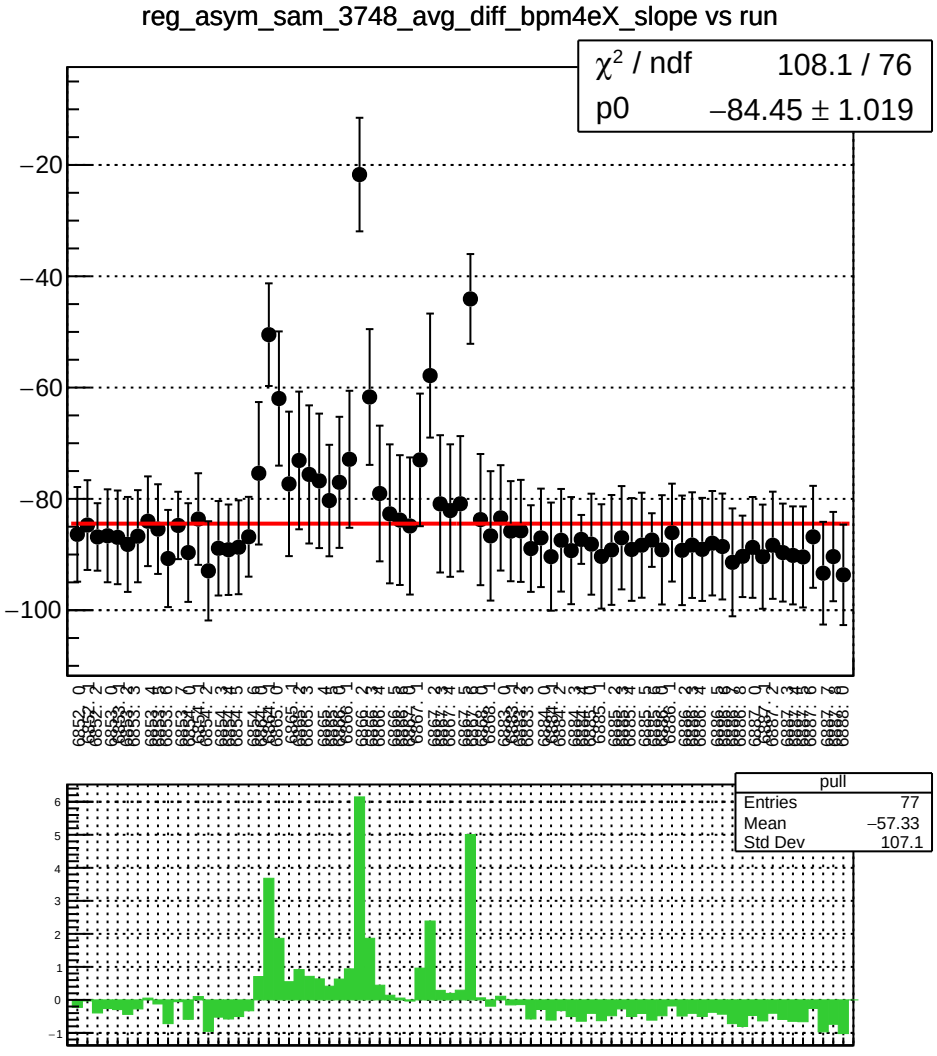

pull1D
Entries 77
Mean −0.08486
Std Dev 1.263

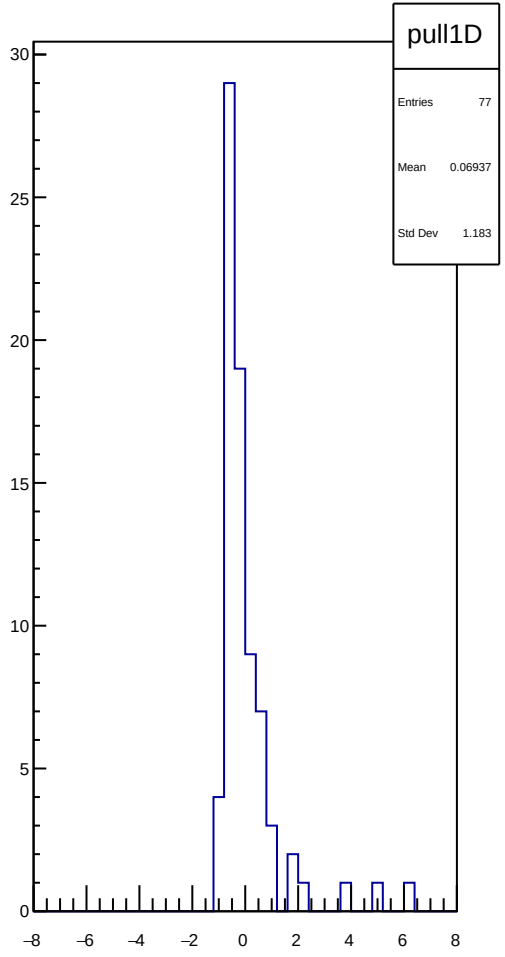

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 134.8 / 76
p0 −7.066 ± 1.065
pull
Entries 77
Mean −39.72
Std Dev 90.61

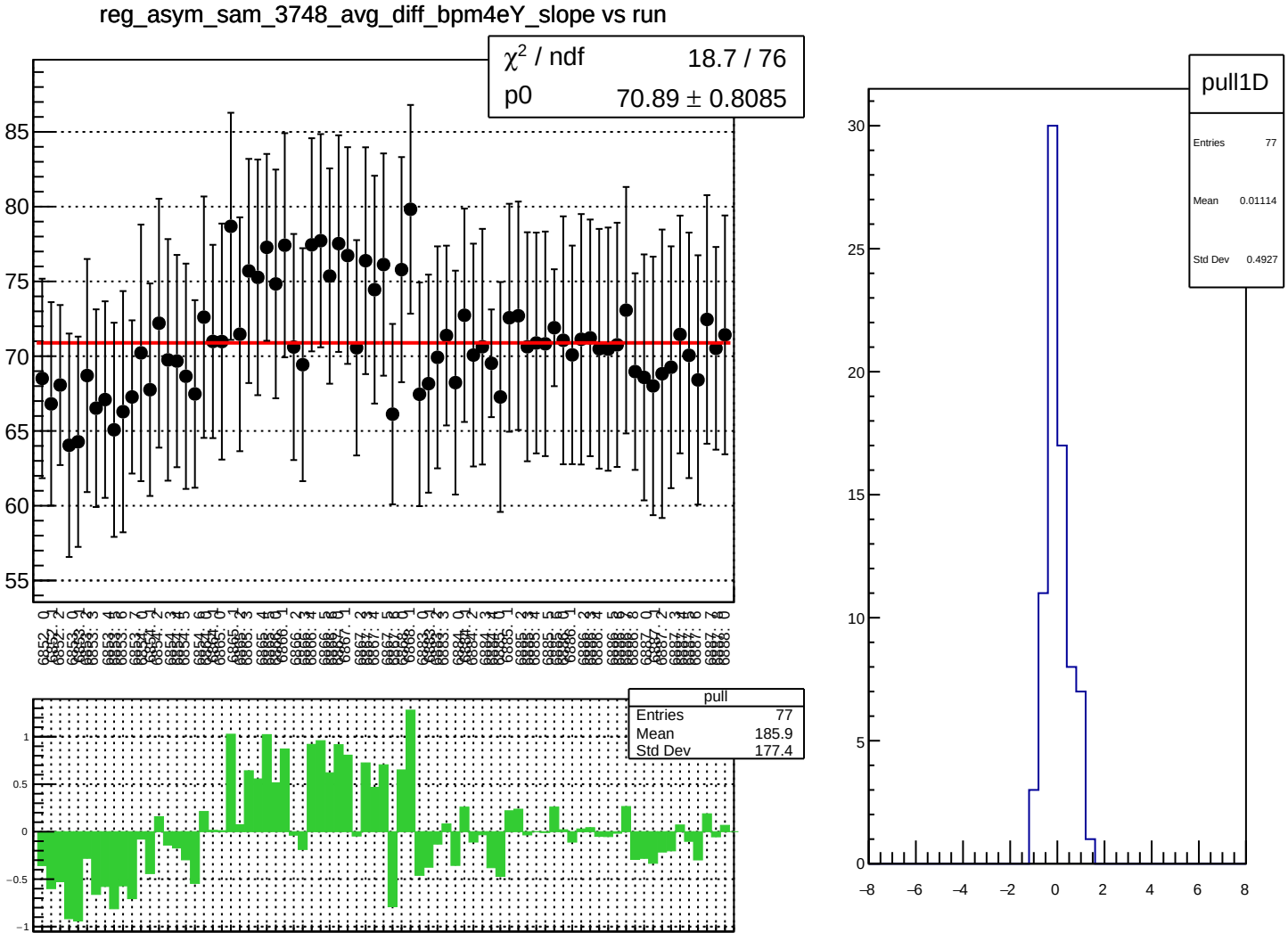

pull1D
Entries 77
Mean −0.08164
Std Dev 1.321

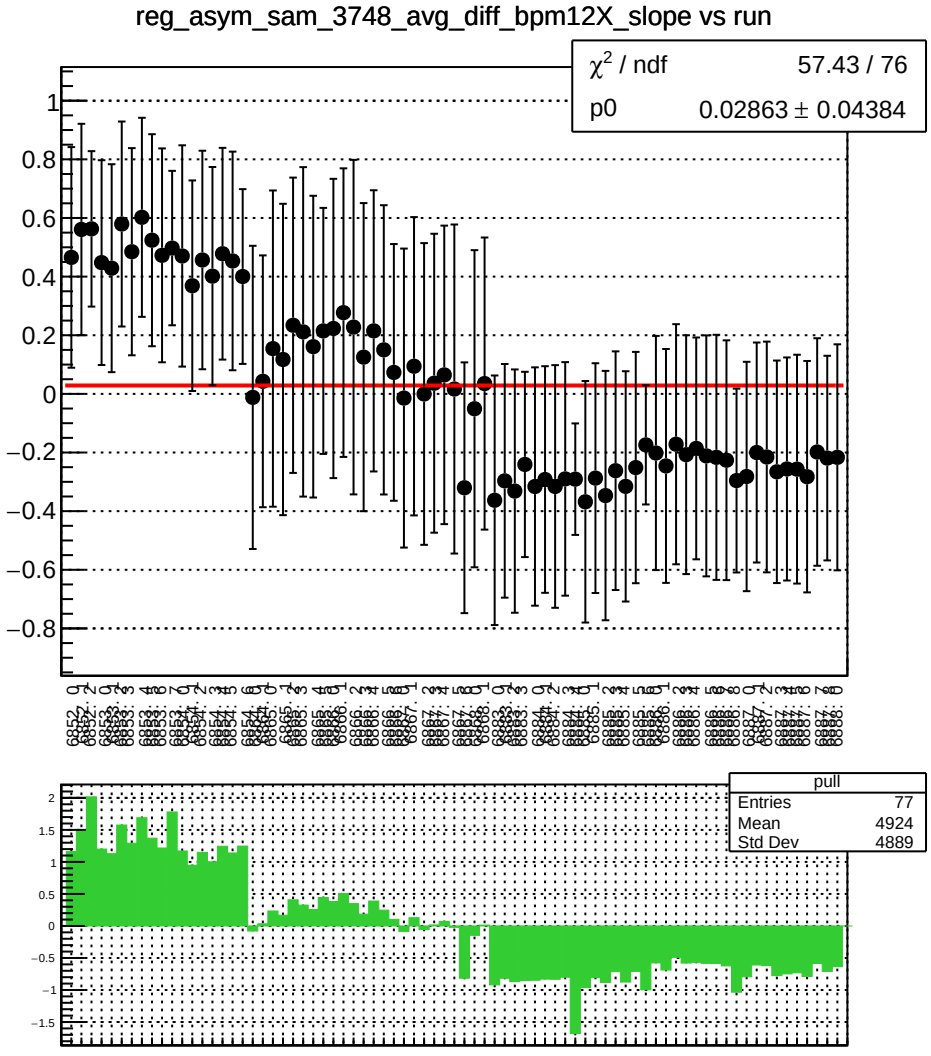

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.19 / 76
p0 −8.896 ± 0.6274
pull
Entries 77
Mean −192.3
Std Dev 197.4

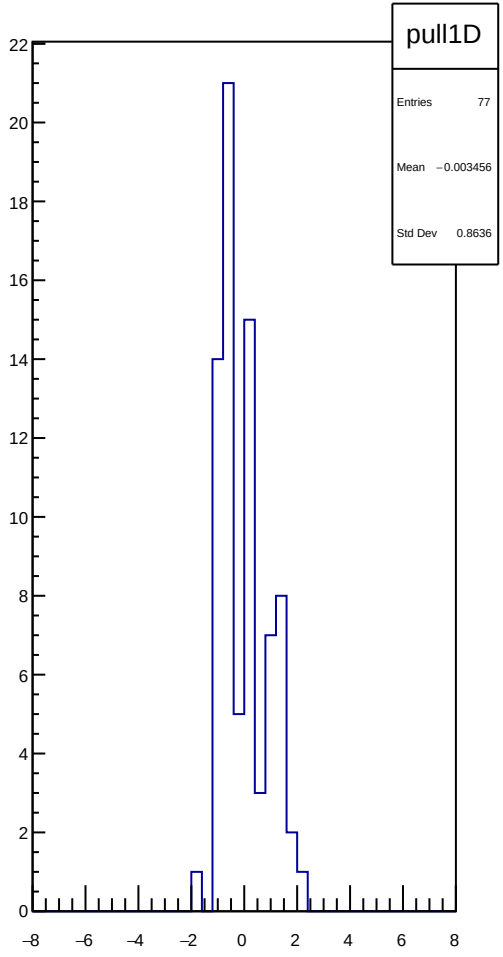

pull1D
Entries 77
Mean 0.007489
Std Dev 0.5368

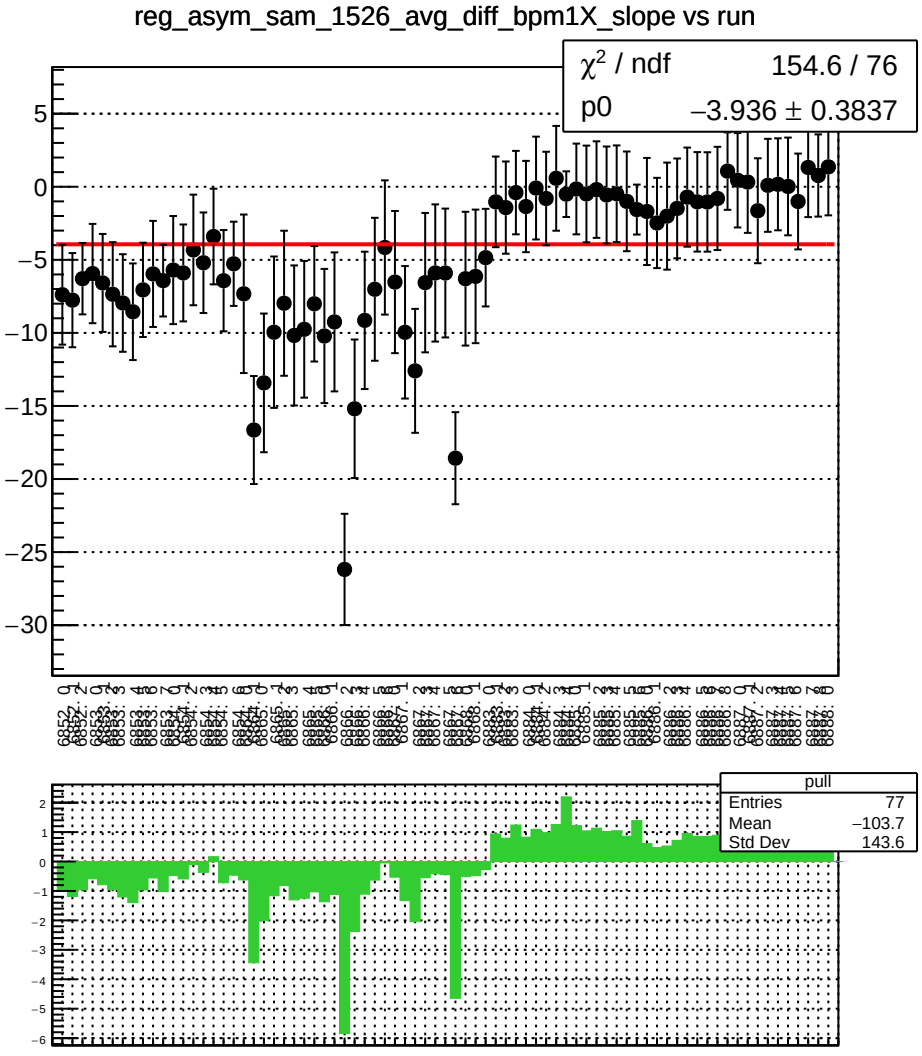

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 108.1 / 76
p0 −84.45 ± 1.019
pull
Entries 77
Mean −57.33
Std Dev 107.1

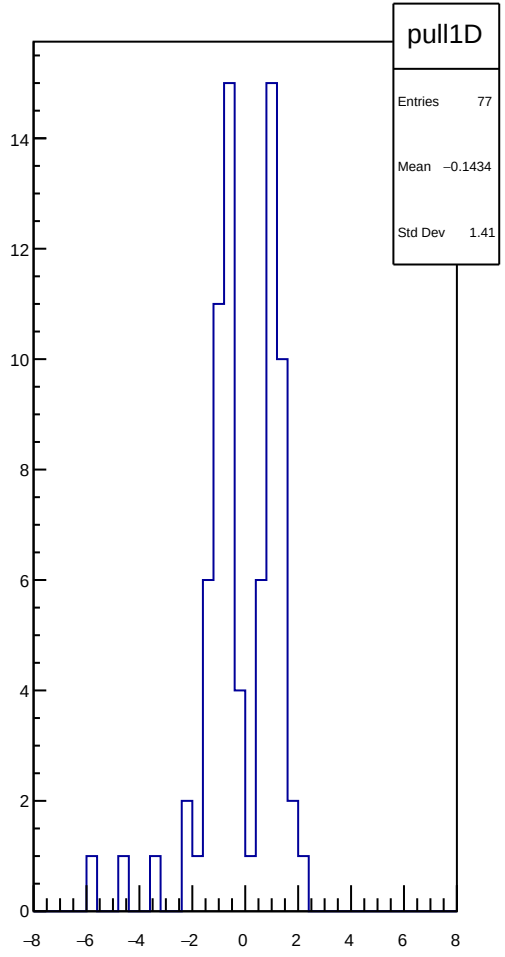

pull1D
Entries 77
Mean 0.06937
Std Dev 1.183

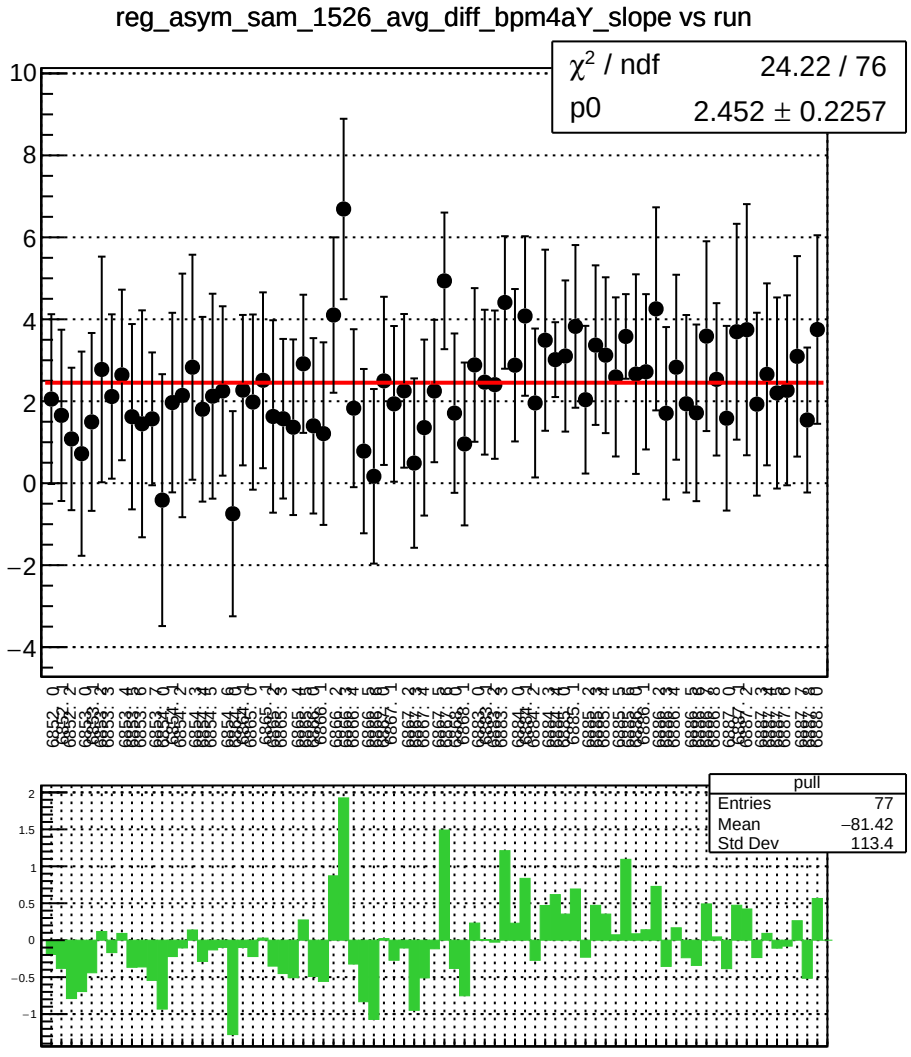

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.7 / 76
p0 70.89 ± 0.8085
pull
Entries 77
Mean 185.9
Std Dev 177.4
pull1D
Entries 77
Mean 0.01114
Std Dev 0.4927

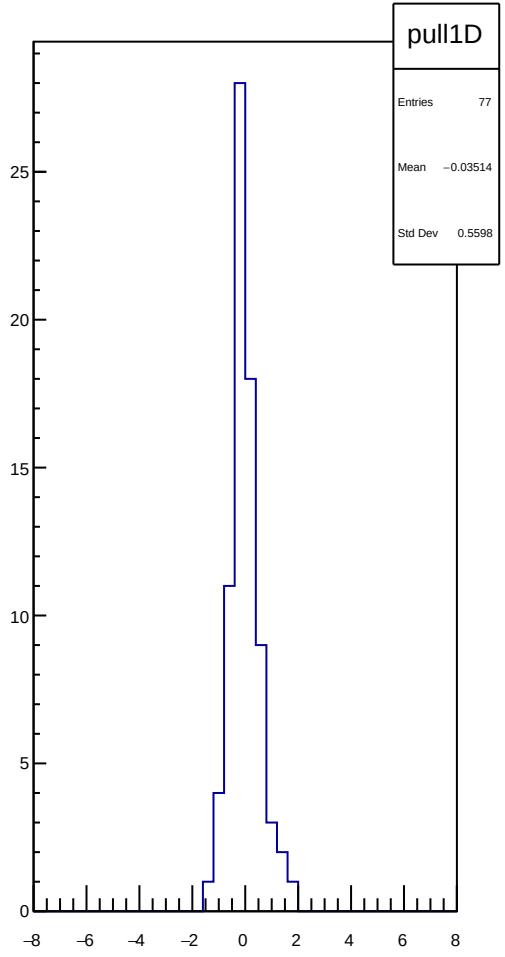

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 57.43 / 76
p0 0.02863 ± 0.04384
pull
Entries 77
Mean 4924
Std Dev 4889

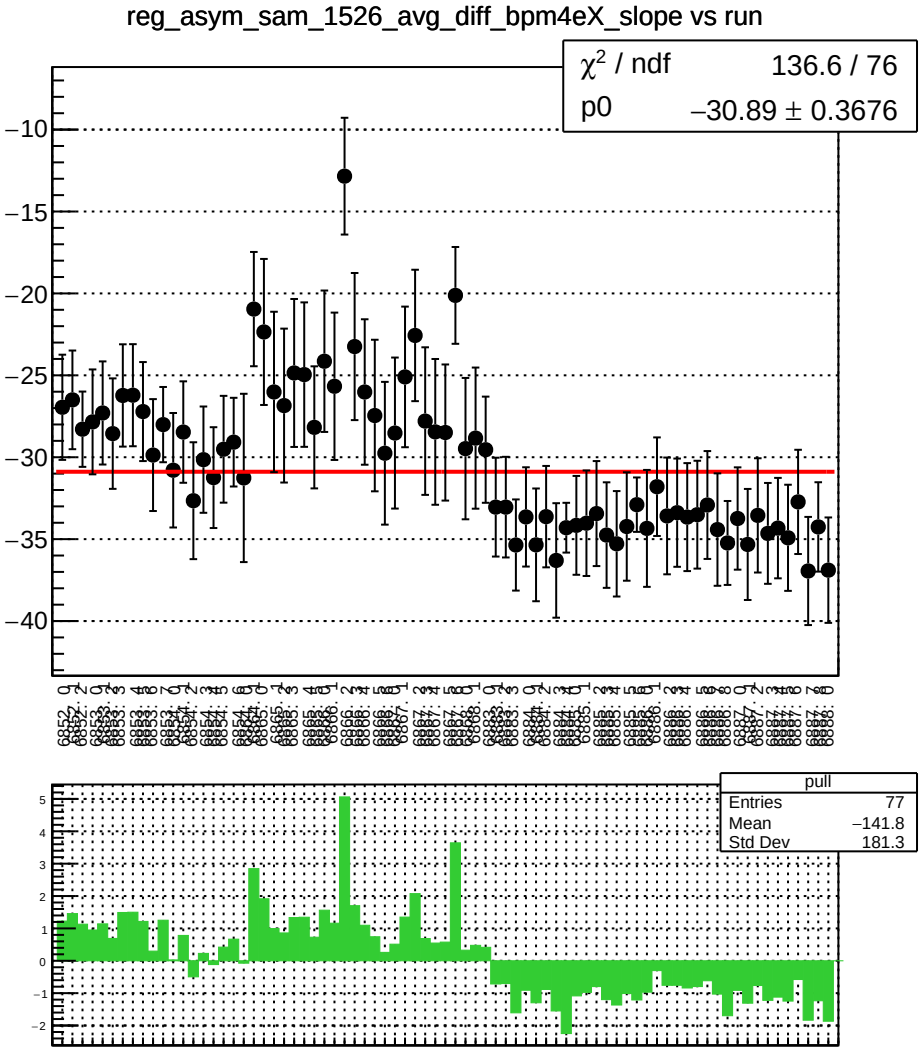

pull1D
Entries 77
Mean −0.003456
Std Dev 0.8636

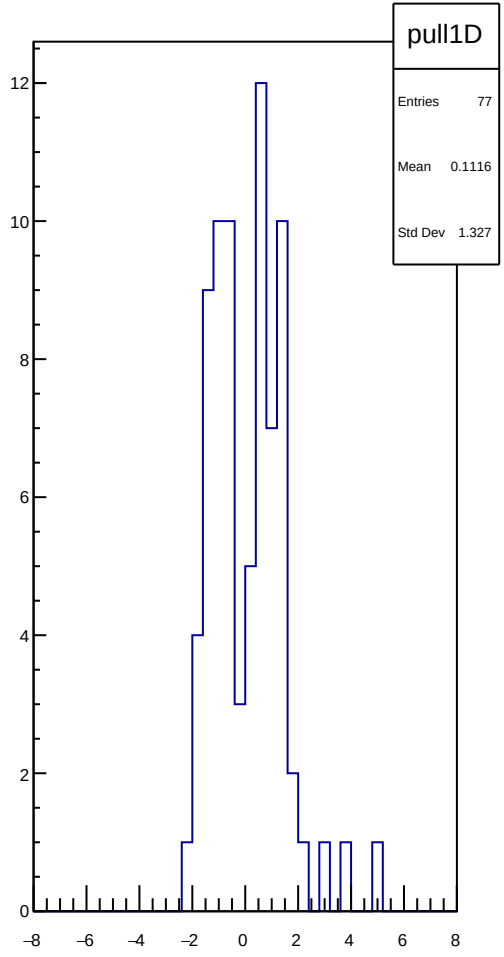

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 154.6 / 76
p0 −3.936 ± 0.3837
pull
Entries 77
Mean −103.7
Std Dev 143.6

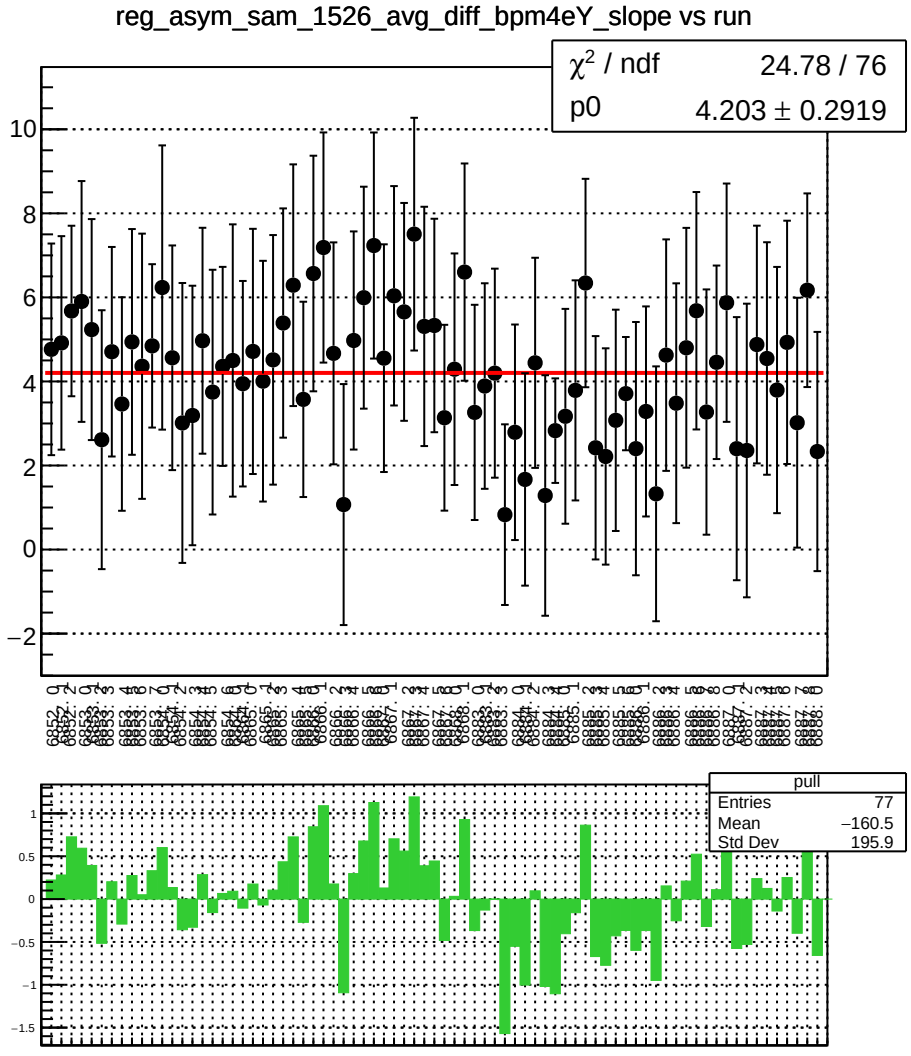

pull1D
Entries 77
Mean −0.1434
Std Dev 1.41

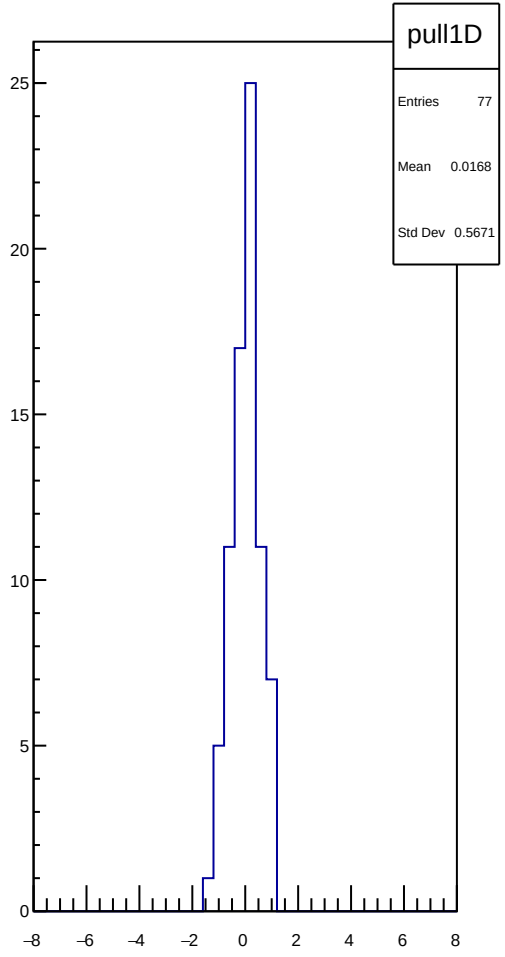

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.22 / 76
p0 2.452 ± 0.2257
pull
Entries 77
Mean −81.42
Std Dev 113.4

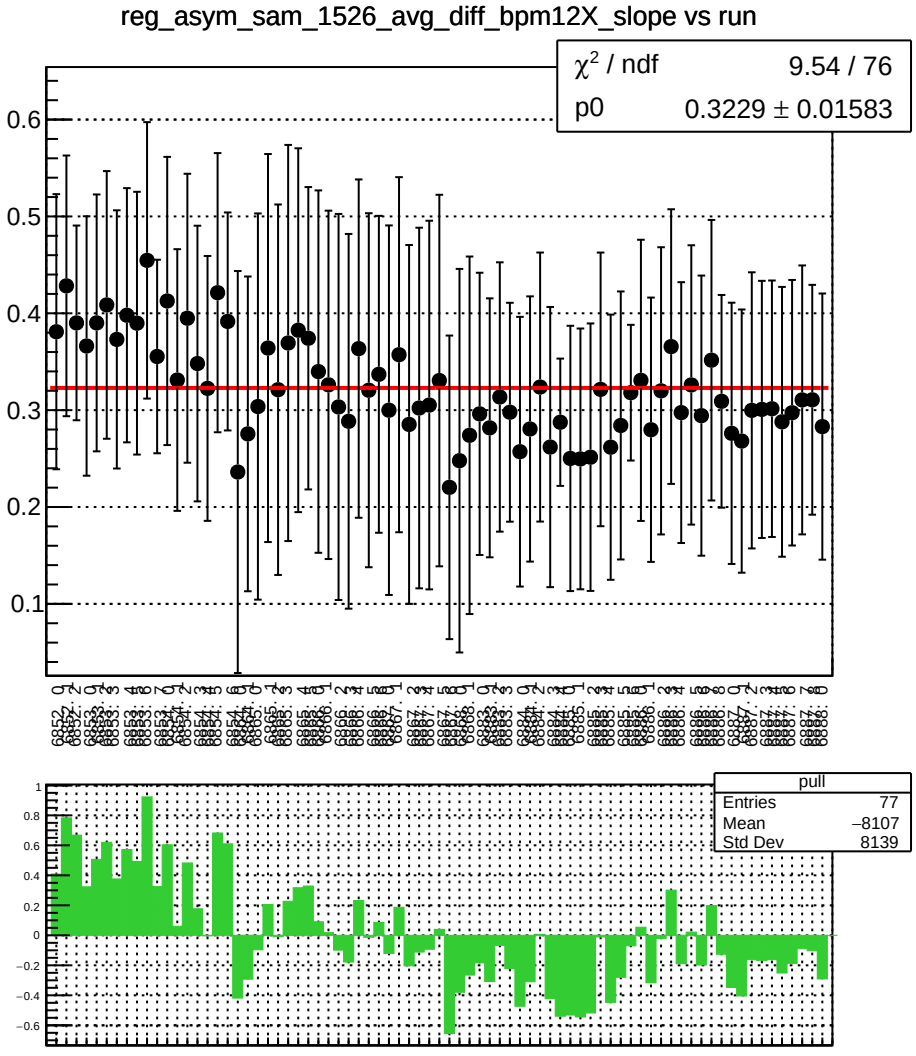

pull1D
Entries 77
Mean −0.03514
Std Dev 0.5598

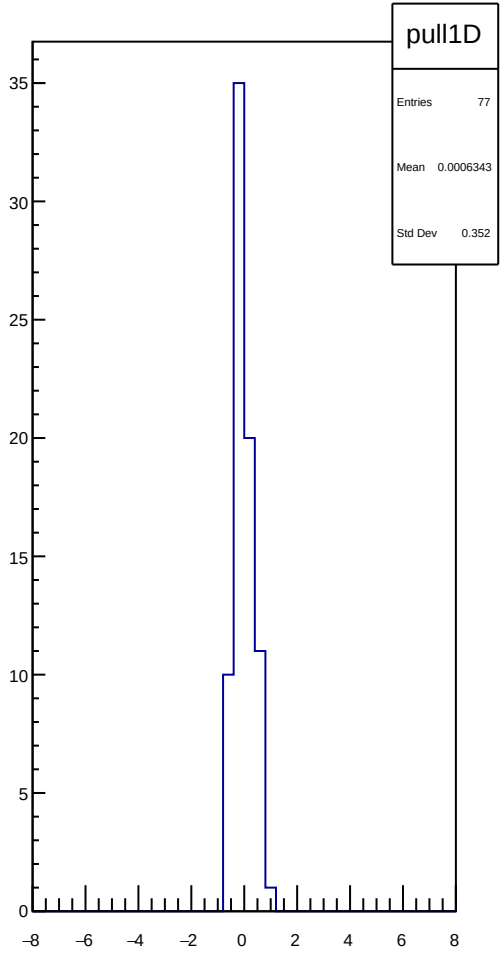

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 136.6 / 76
p0 −30.89 ± 0.3676
pull
Entries 77
Mean −141.8
Std Dev 181.3

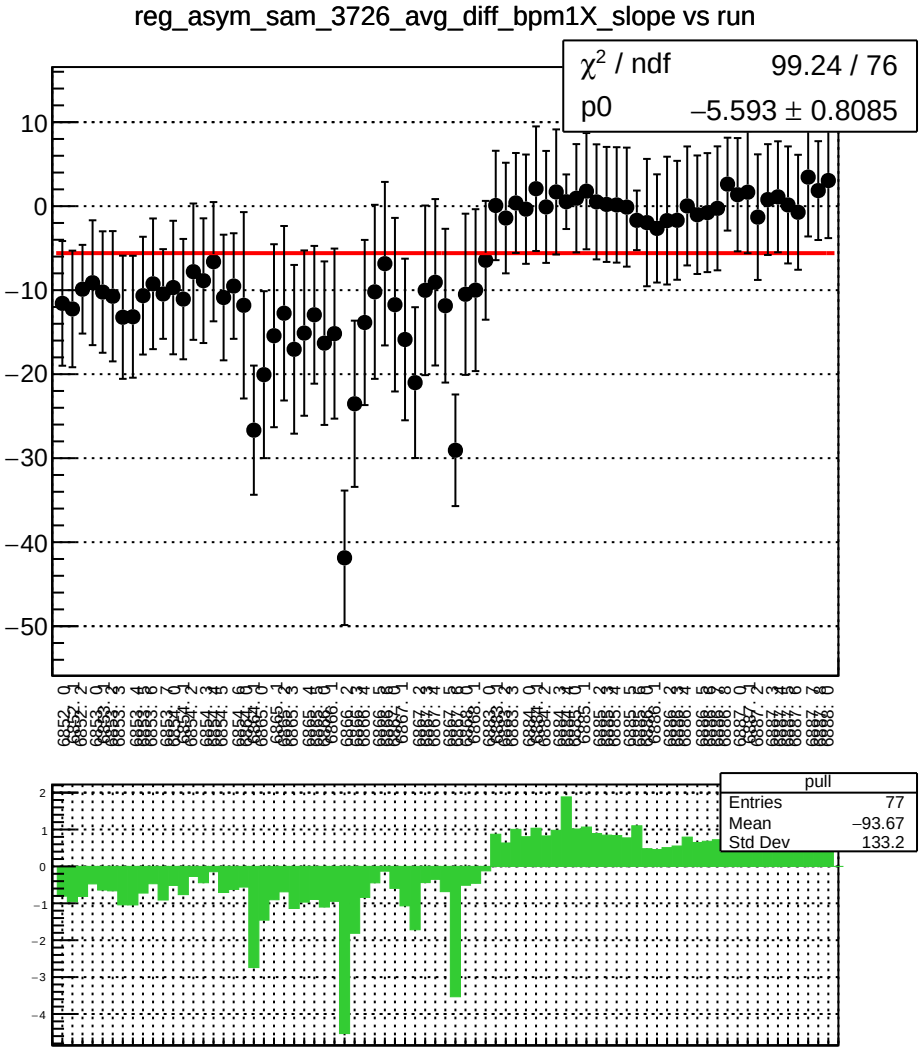

pull1D
Entries 77
Mean 0.1116
Std Dev 1.327

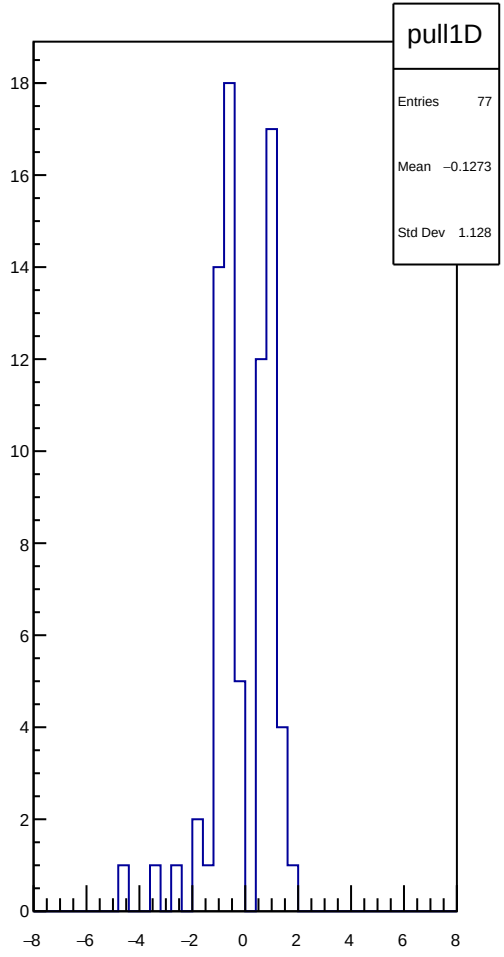

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 24.78 / 76
p0 4.203 ± 0.2919
pull
Entries 77
Mean −160.5
Std Dev 195.9

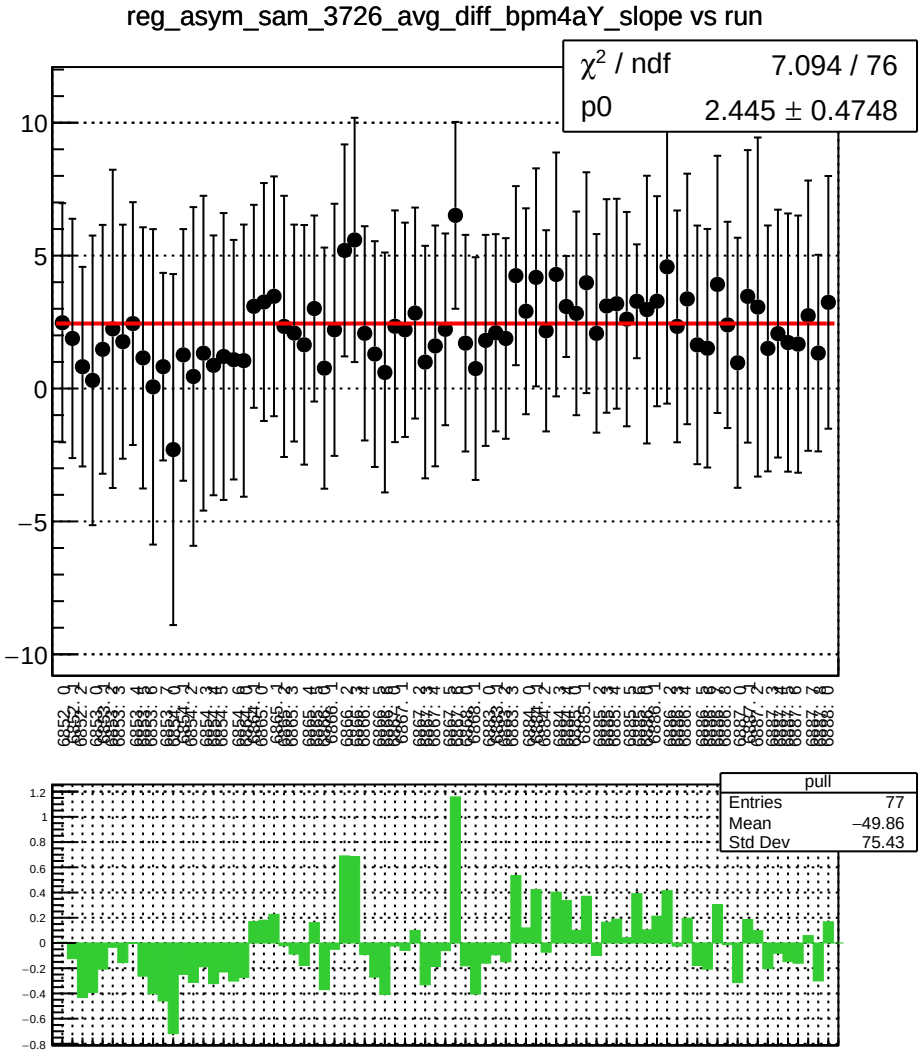

pull1D
Entries 77
Mean 0.0168
Std Dev 0.5671

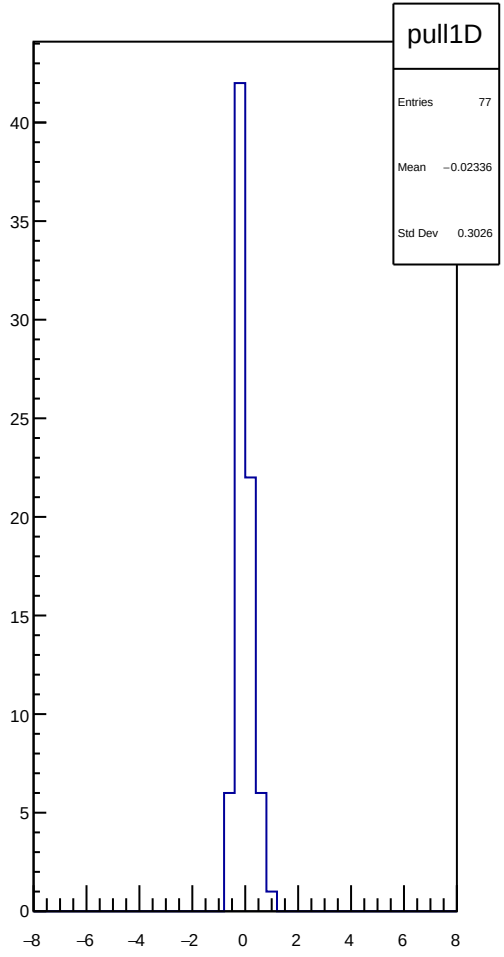

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.54 / 76
p0 0.3229 ± 0.01583
pull
Entries 77
Mean −8107
Std Dev 8139

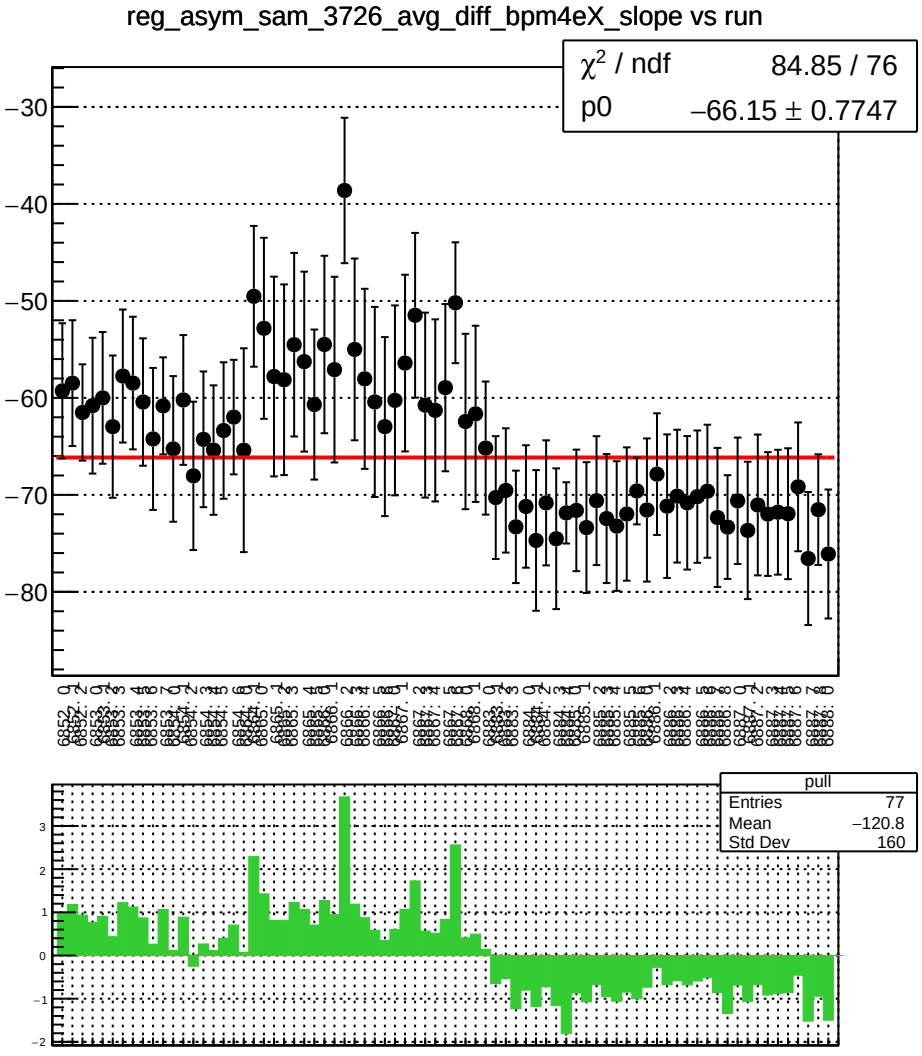

pull1D
Entries 77
Mean 0.0006343
Std Dev 0.352

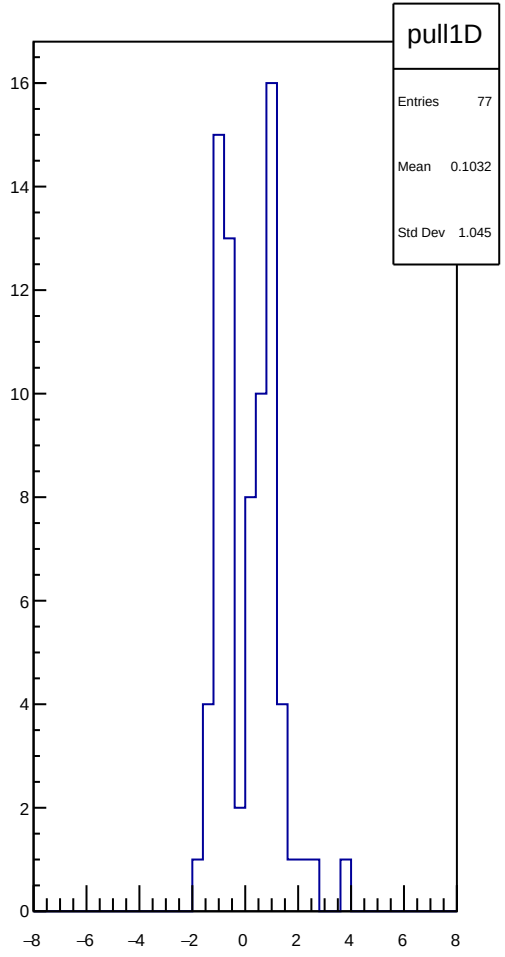

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 99.24 / 76
p0 −5.593 ± 0.8085
pull
Entries 77
Mean −93.67
Std Dev 133.2

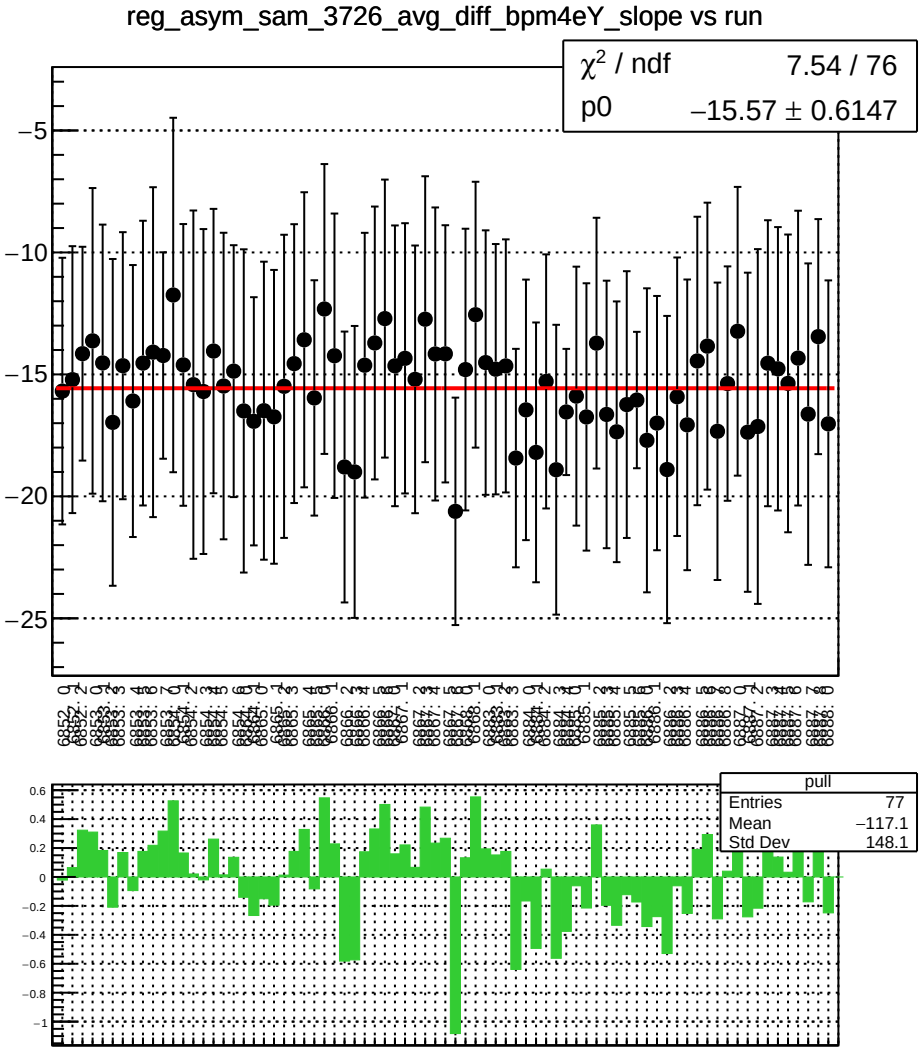

pull1D
Entries 77
Mean −0.1273
Std Dev 1.128

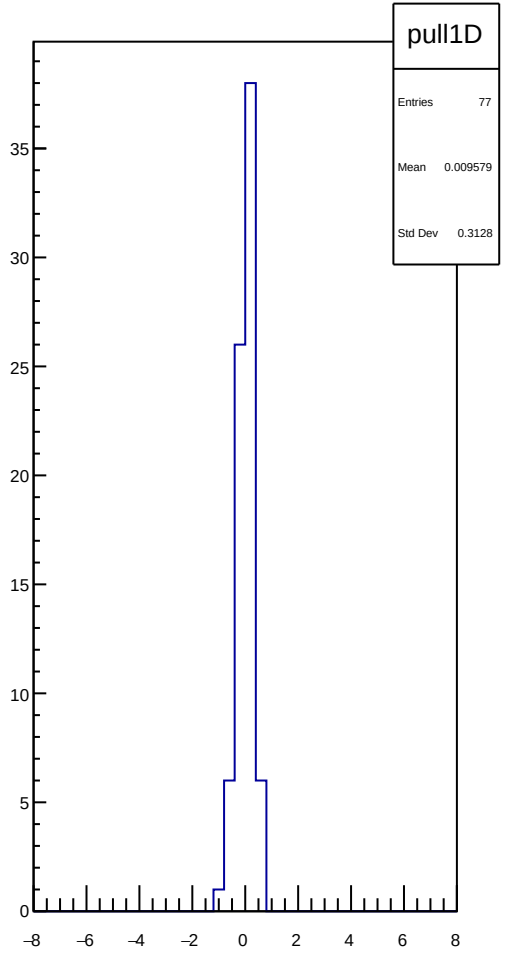

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.094 / 76
p0 2.445 ± 0.4748
pull
Entries 77
Mean −49.86
Std Dev 75.43

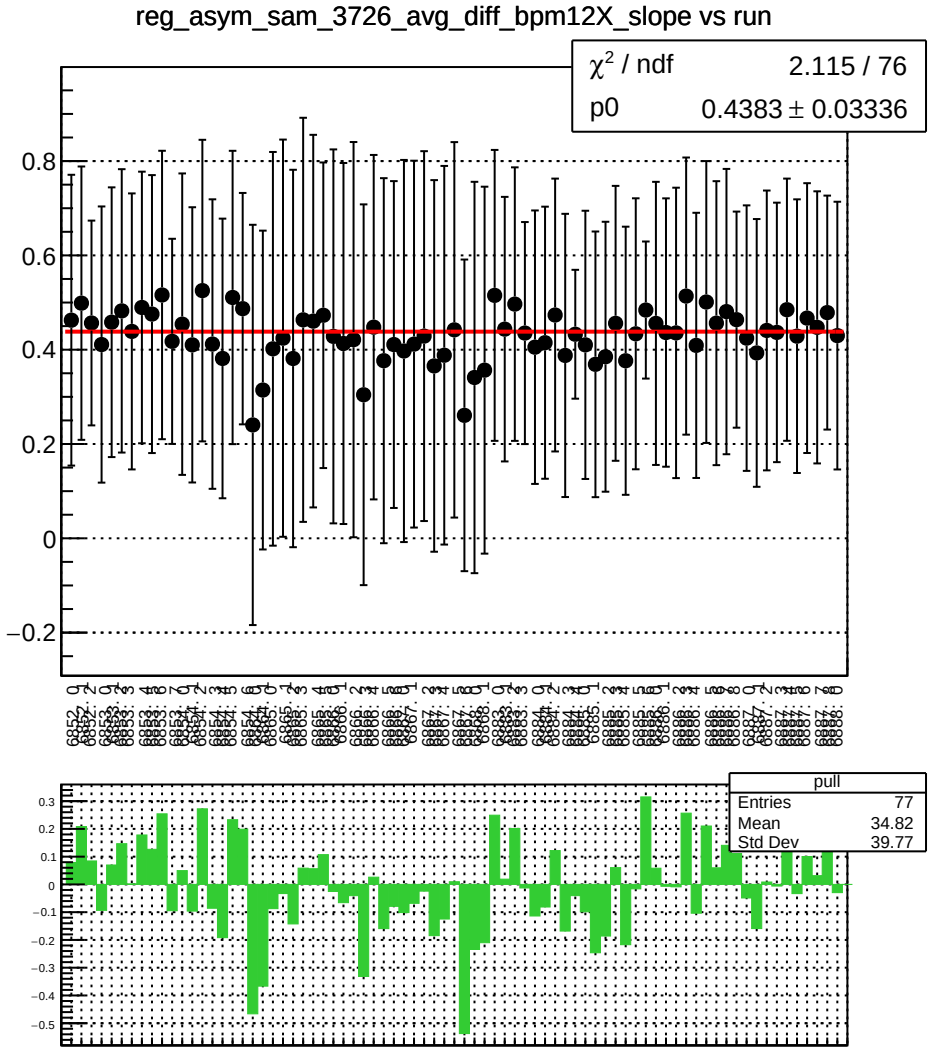

pull1D
Entries 77
Mean −0.02336
Std Dev 0.3026

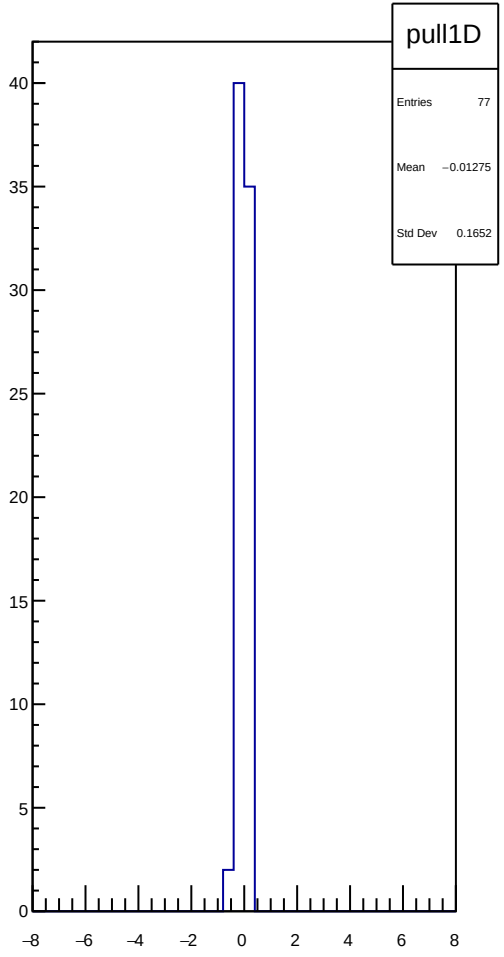

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.85 / 76
p0 −66.15 ± 0.7747
pull
Entries 77
Mean −120.8
Std Dev 160

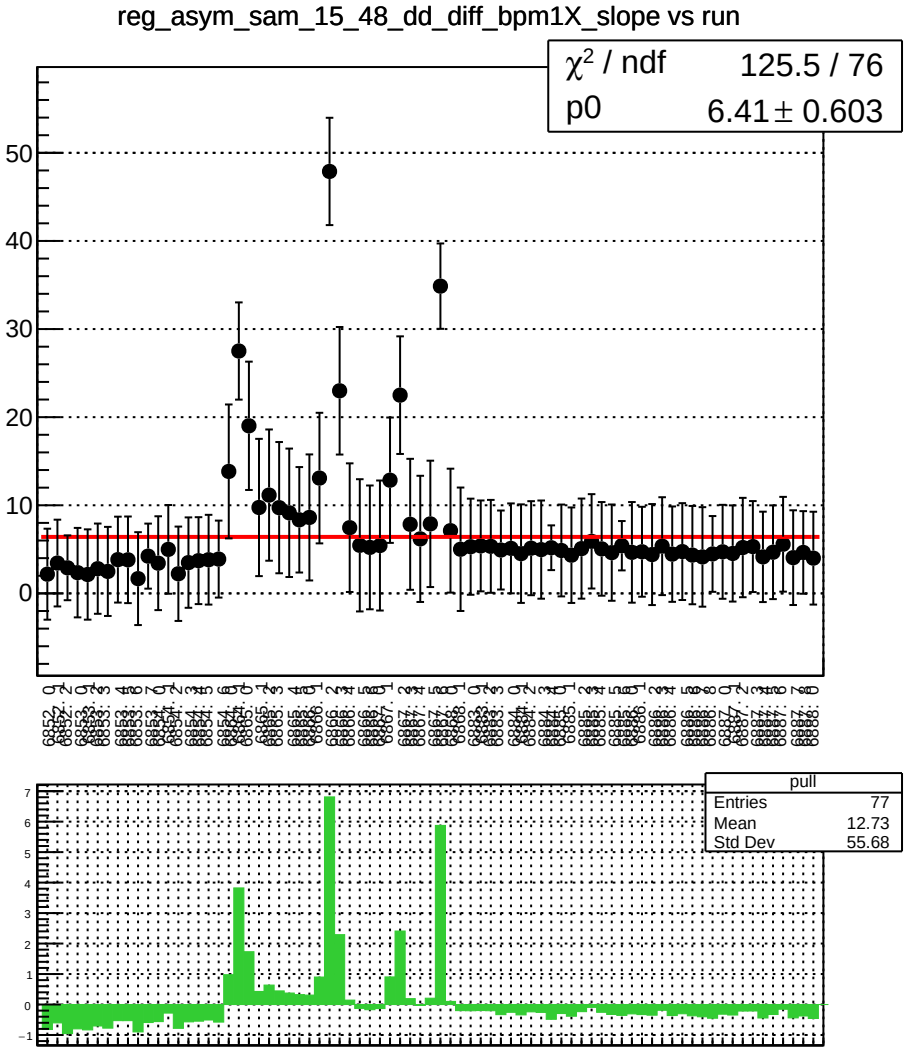

pull1D
Entries 77
Mean 0.1032
Std Dev 1.045

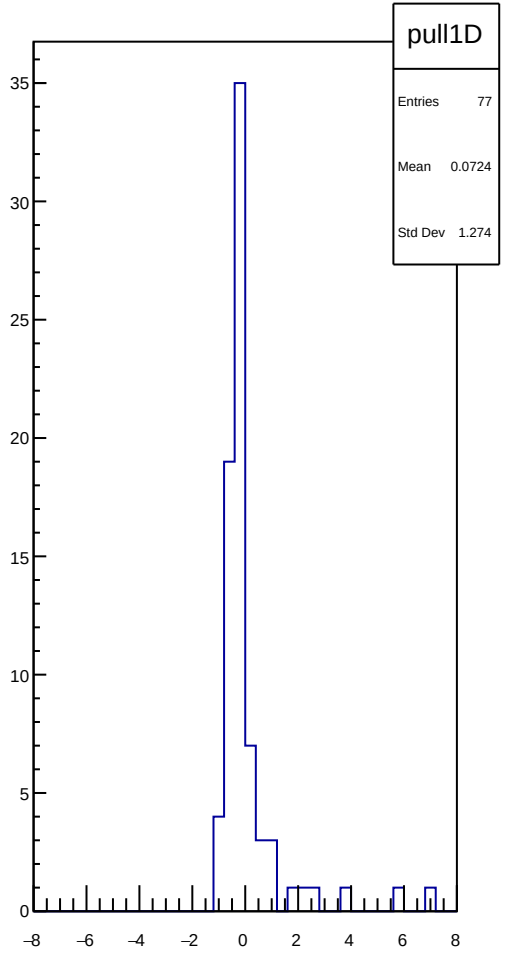

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.54 / 76
p0 −15.57 ± 0.6147
pull
Entries 77
Mean −117.1
Std Dev 148.1

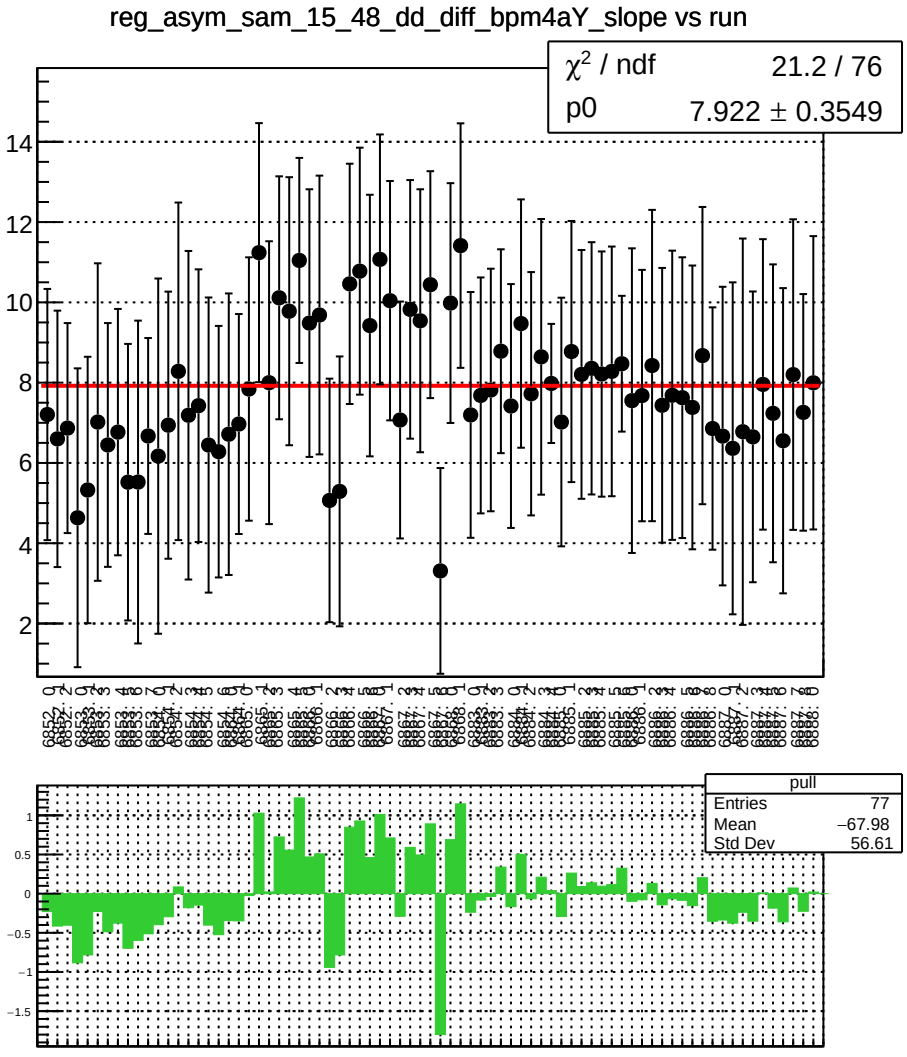

pull1D
Entries 77
Mean 0.009579
Std Dev 0.3128

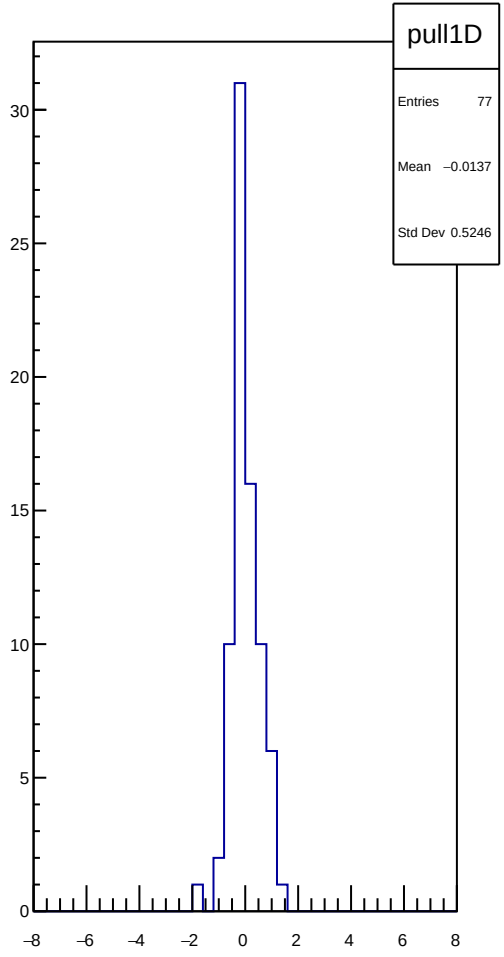

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.115 / 76
p0 0.4383 ± 0.03336
pull
Entries 77
Mean 34.82
Std Dev 39.77

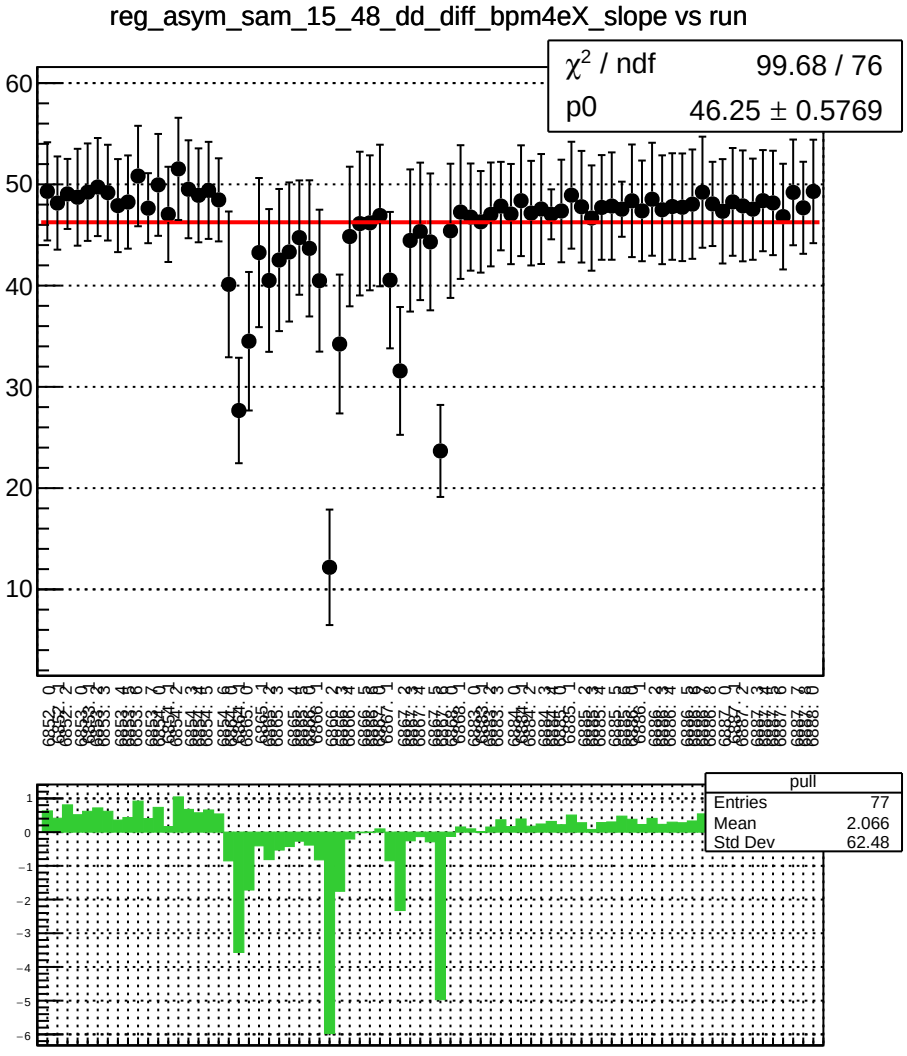

pull1D
Entries 77
Mean −0.01275
Std Dev 0.1652

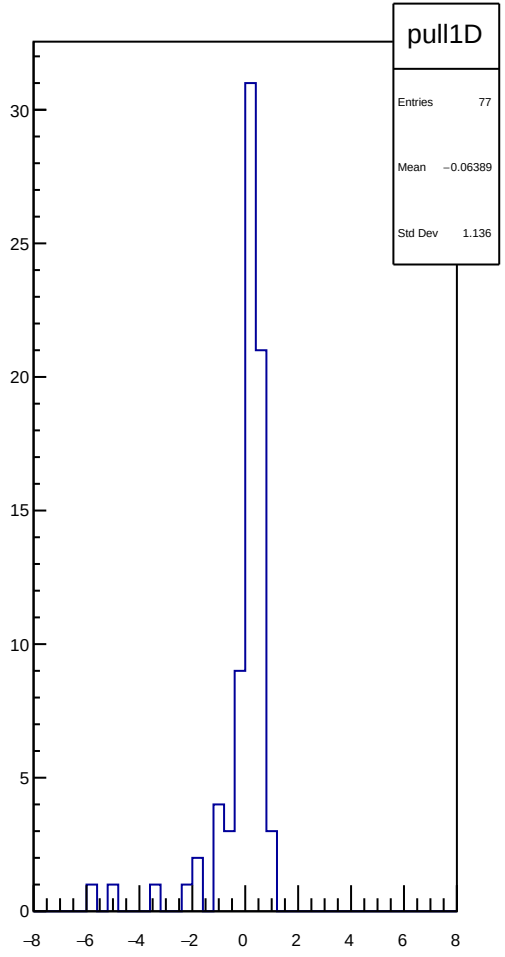

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 125.5 / 76
p0 6.41 ± 0.603
pull
Entries 77
Mean 12.73
Std Dev 55.68

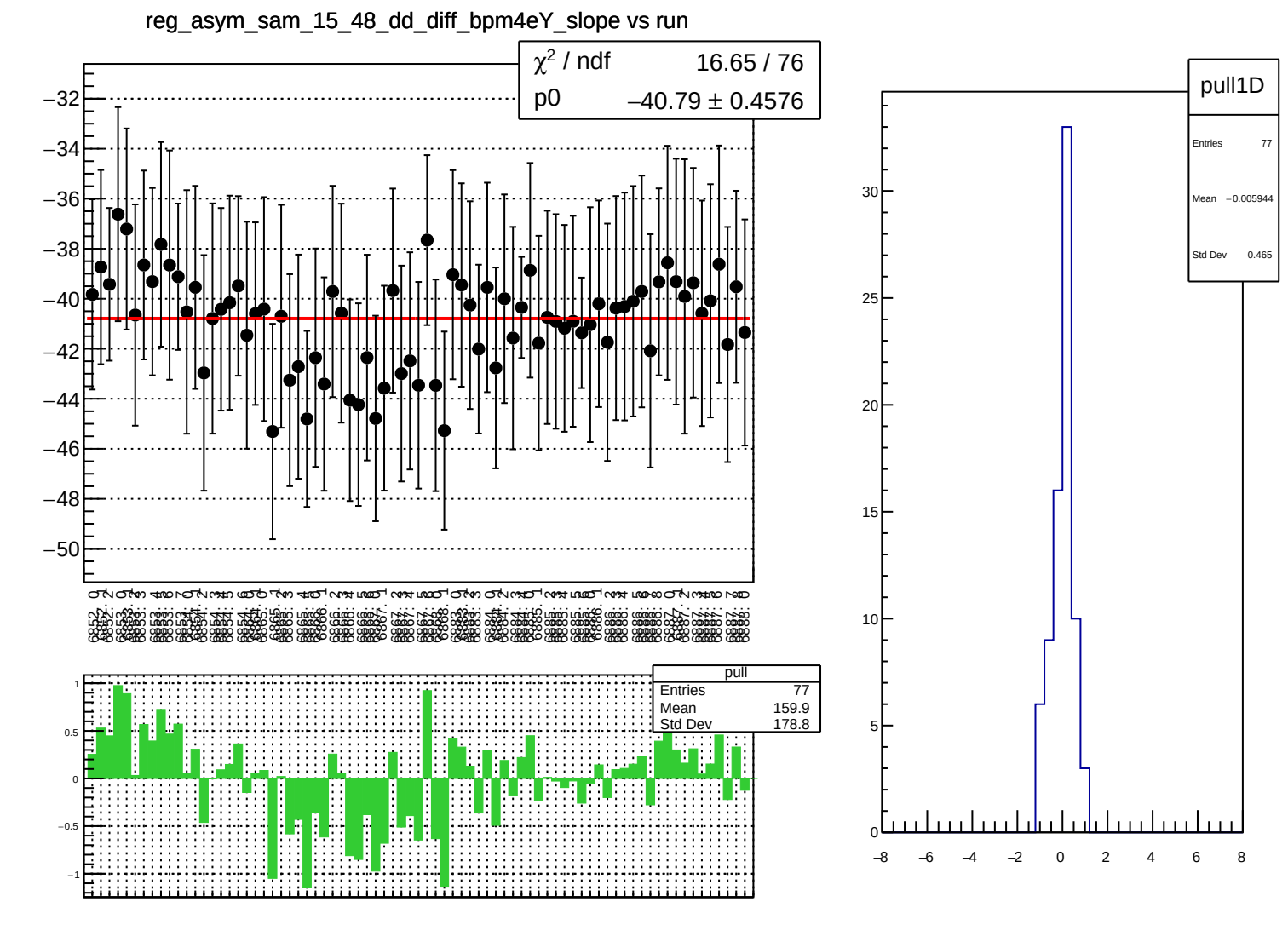

pull1D
Entries 77
Mean 0.0724
Std Dev 1.274

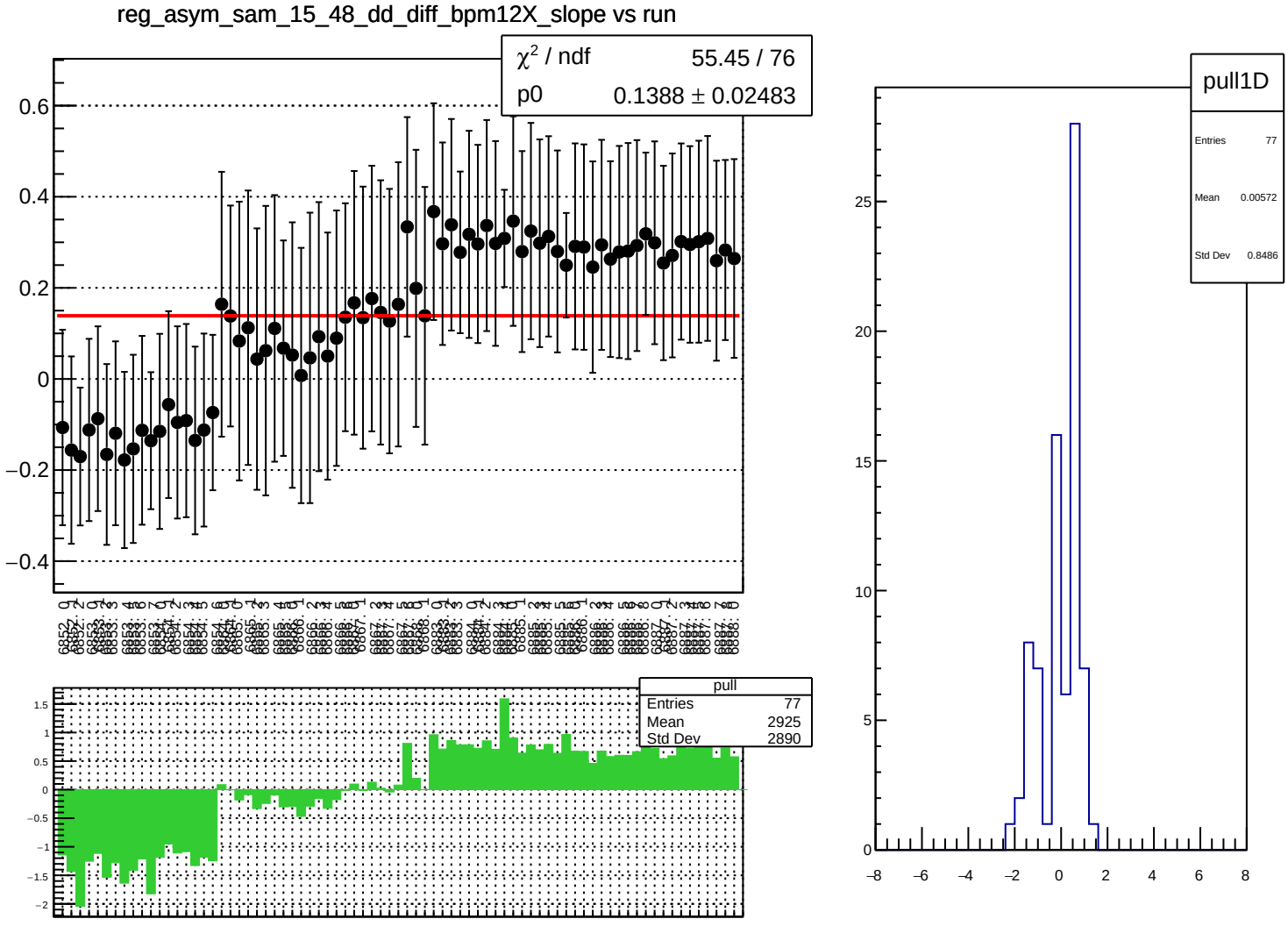

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.2 / 76
p0 7.922 ± 0.3549
pull
Entries 77
Mean −67.98
Std Dev 56.61

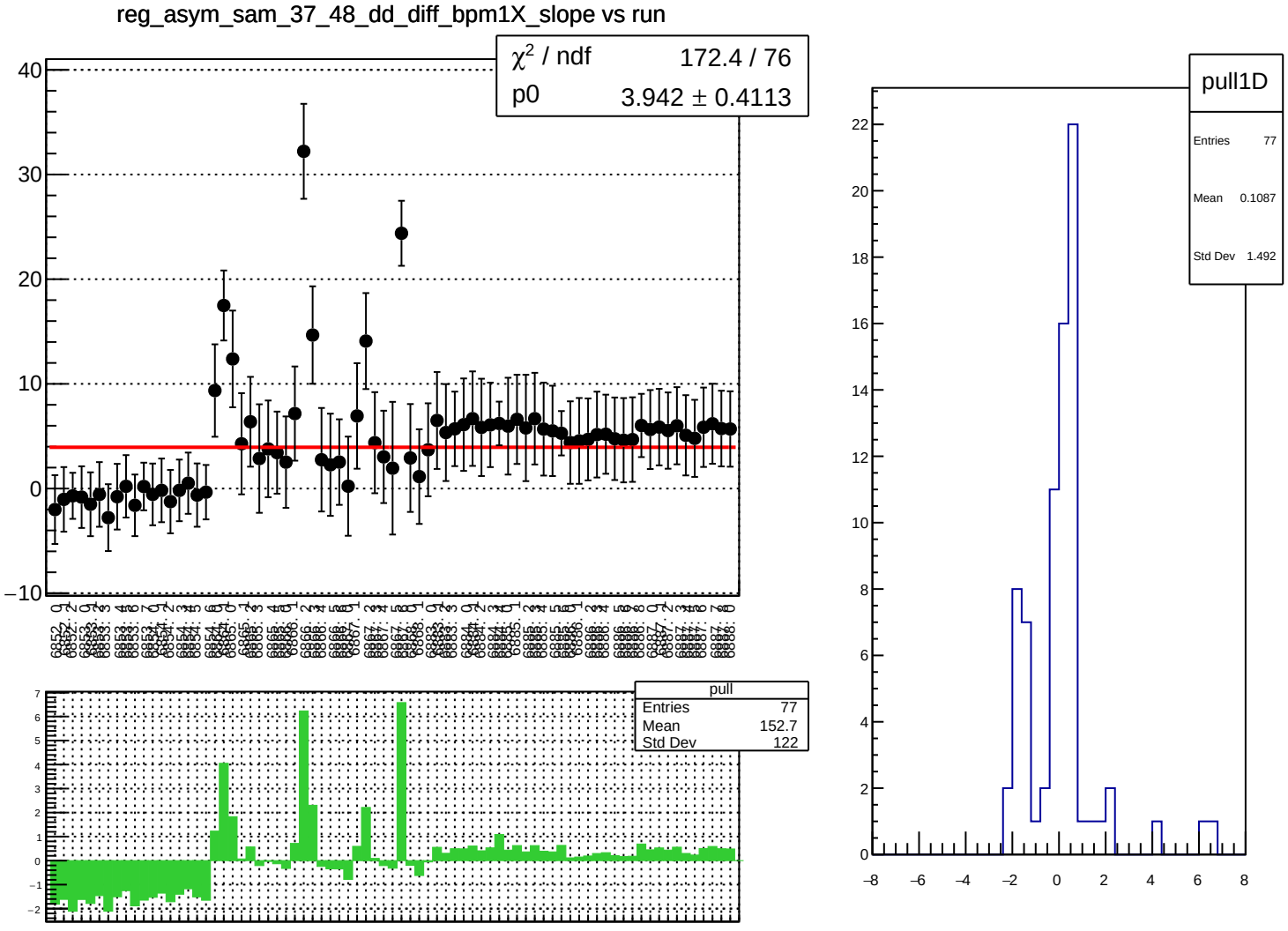

pull1D
Entries 77
Mean −0.0137
Std Dev 0.5246

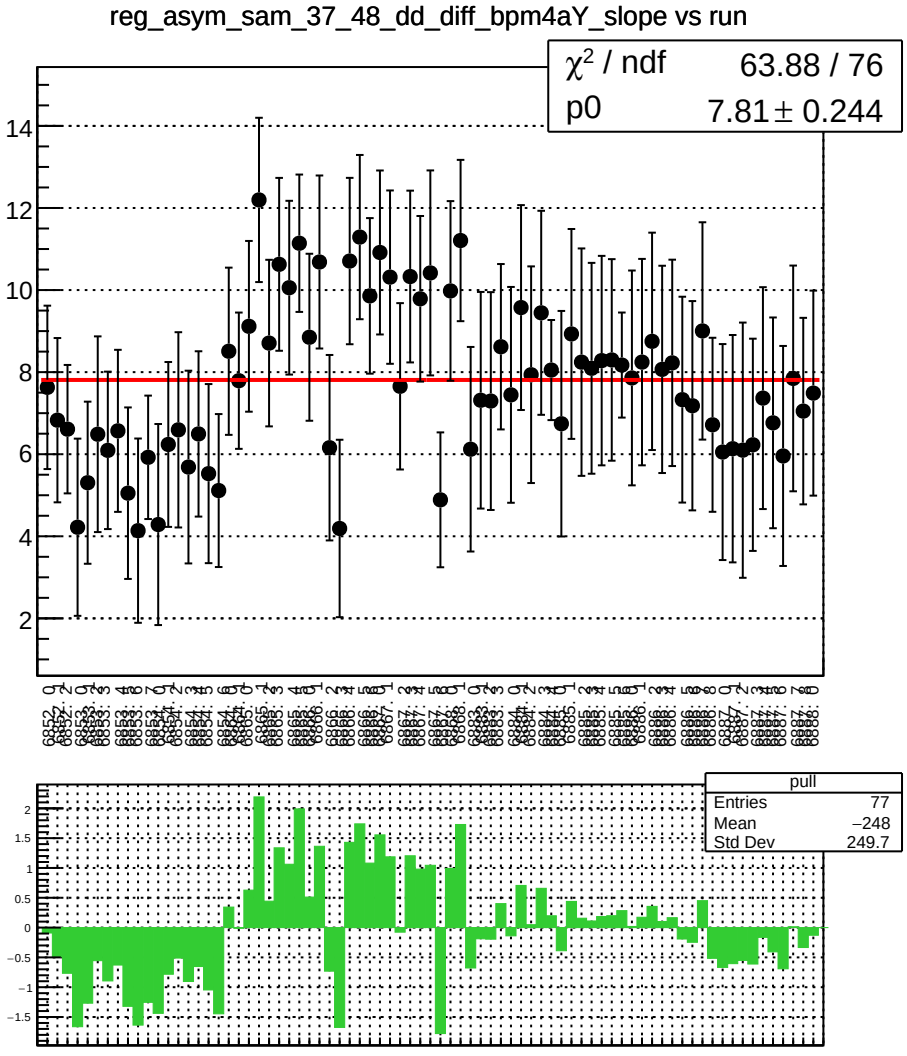

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 99.68 / 76
p0 46.25 ± 0.5769
pull
Entries 77
Mean 2.066
Std Dev 62.48

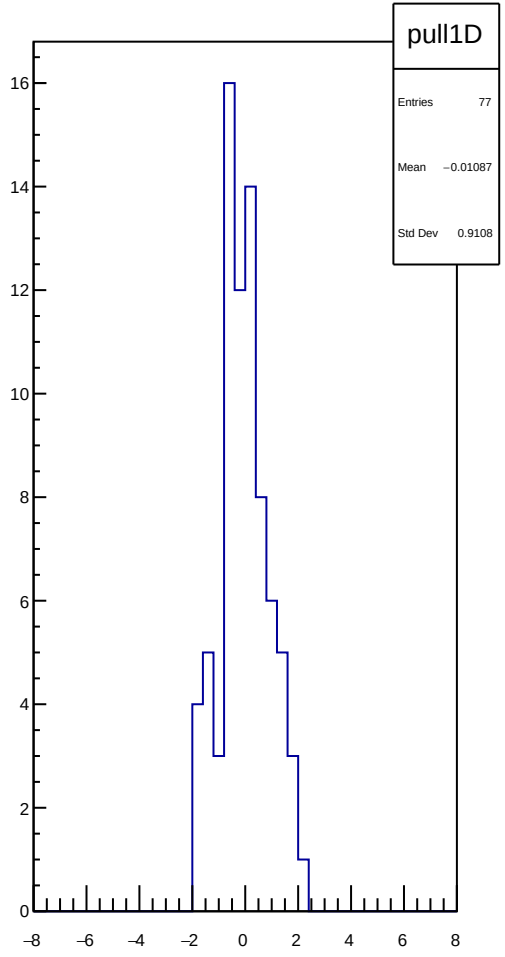

pull1D
Entries 77
Mean −0.06389
Std Dev 1.136

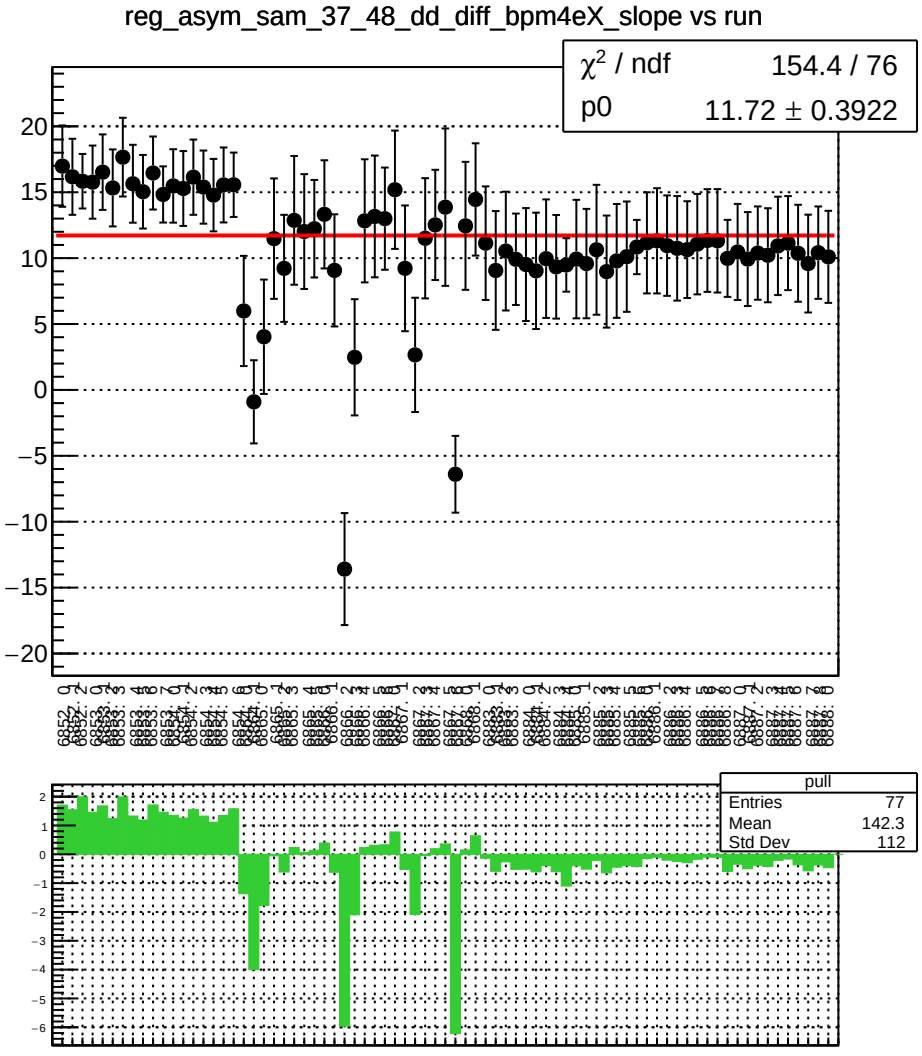

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.65 / 76
p0 −40.79 ± 0.4576
pull
Entries 77
Mean 159.9
Std Dev 178.8
pull1D
Entries 77
Mean −0.005944
Std Dev 0.465

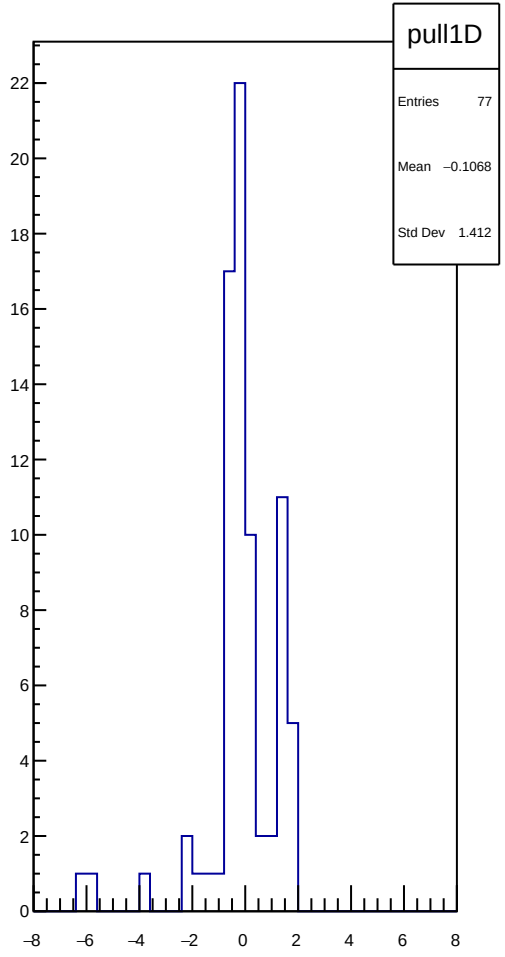

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 55.45 / 76
p0 0.1388 ± 0.02483
pull
Entries 77
Mean 2925
Std Dev 2890
pull1D
Entries 77
Mean 0.00572
Std Dev 0.8486

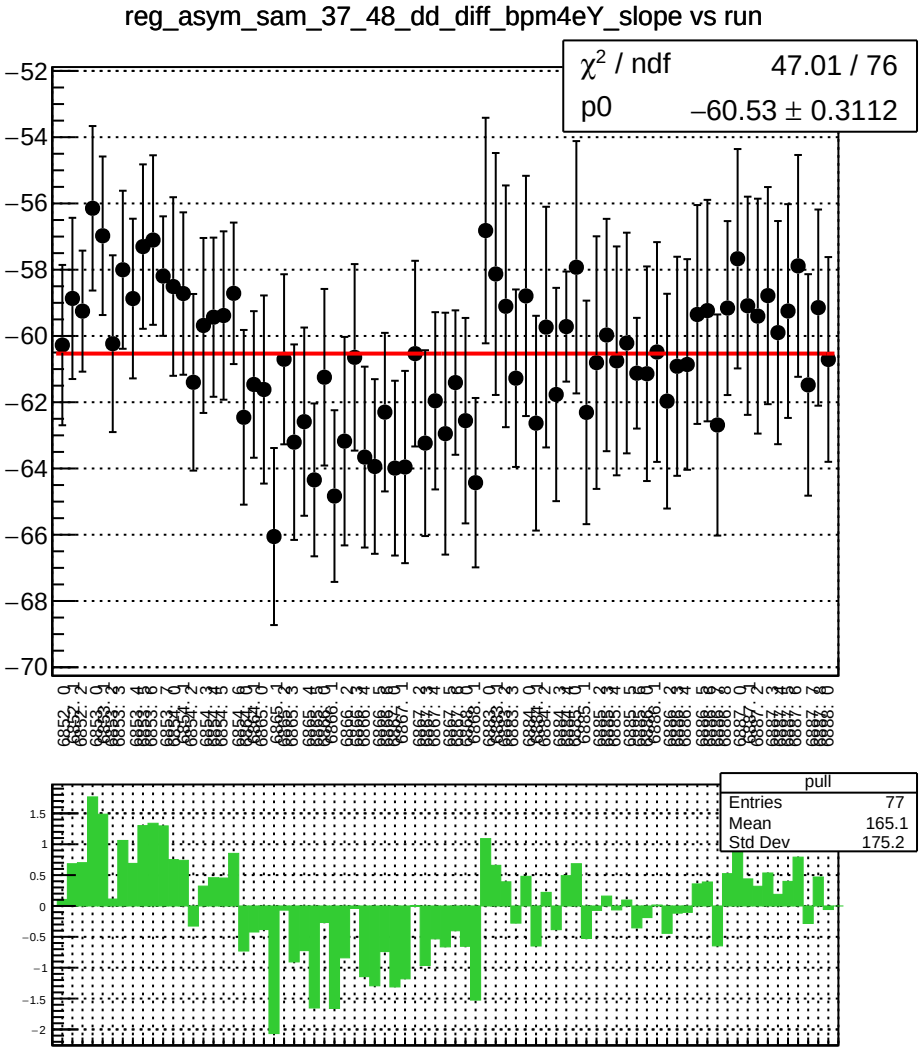

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 172.4 / 76
p0 3.942 ± 0.4113
pull
Entries 77
Mean 152.7
Std Dev 122
pull1D
Entries 77
Mean 0.1087
Std Dev 1.492

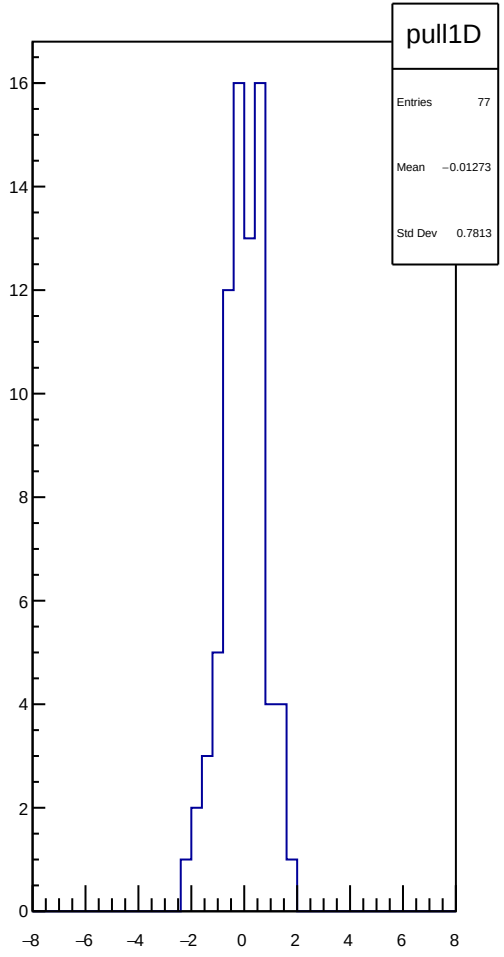

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 63.88 / 76
p0 7.81 ± 0.244
pull
Entries 77
Mean −248
Std Dev 249.7

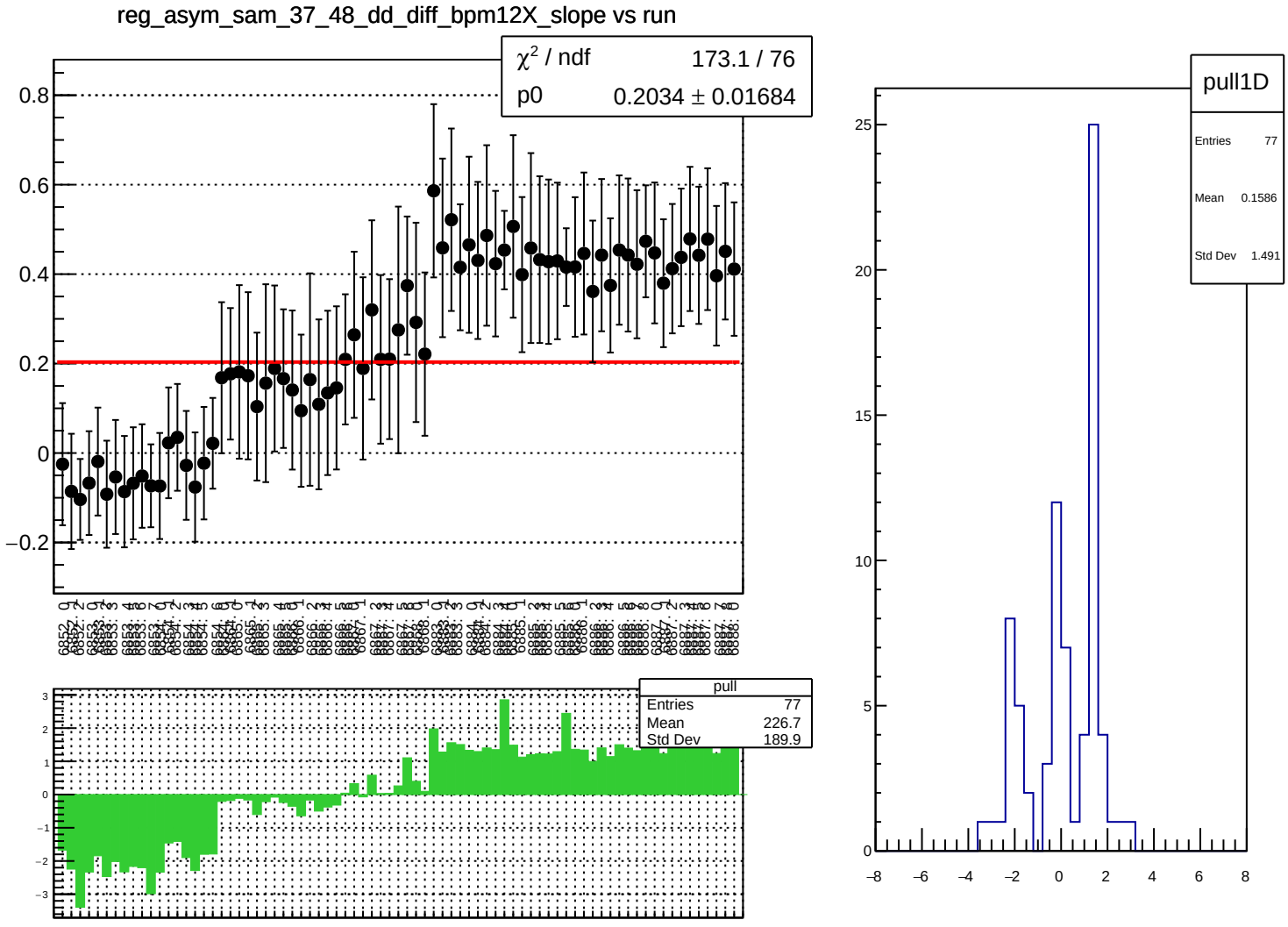

pull1D
Entries 77
Mean −0.01087
Std Dev 0.9108

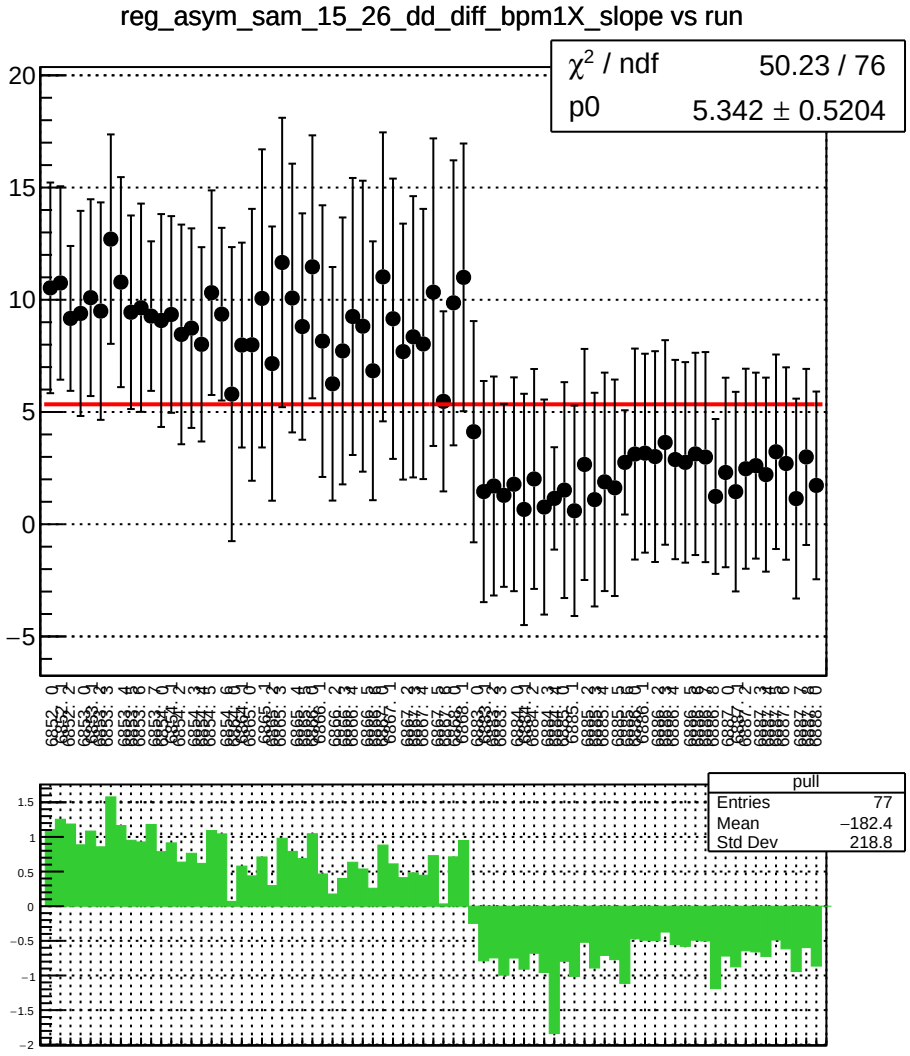

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 154.4 / 76
p0 11.72 ± 0.3922
pull
Entries 77
Mean 142.3
Std Dev 112

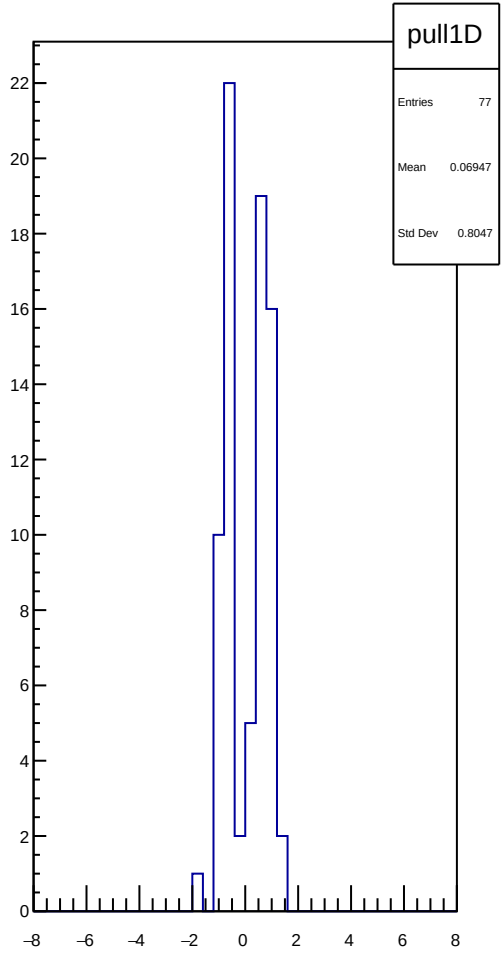

pull1D
Entries 77
Mean −0.1068
Std Dev 1.412

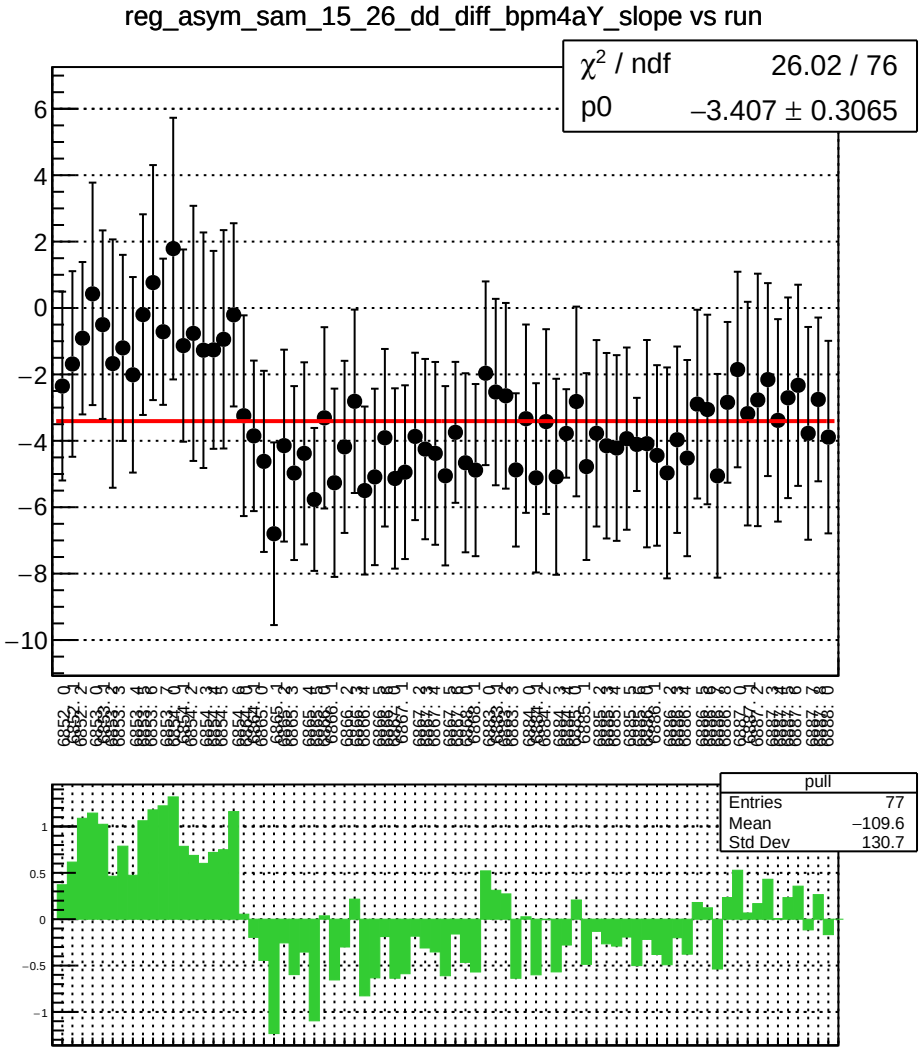

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.01 / 76
p0 −60.53 ± 0.3112
pull
Entries 77
Mean 165.1
Std Dev 175.2

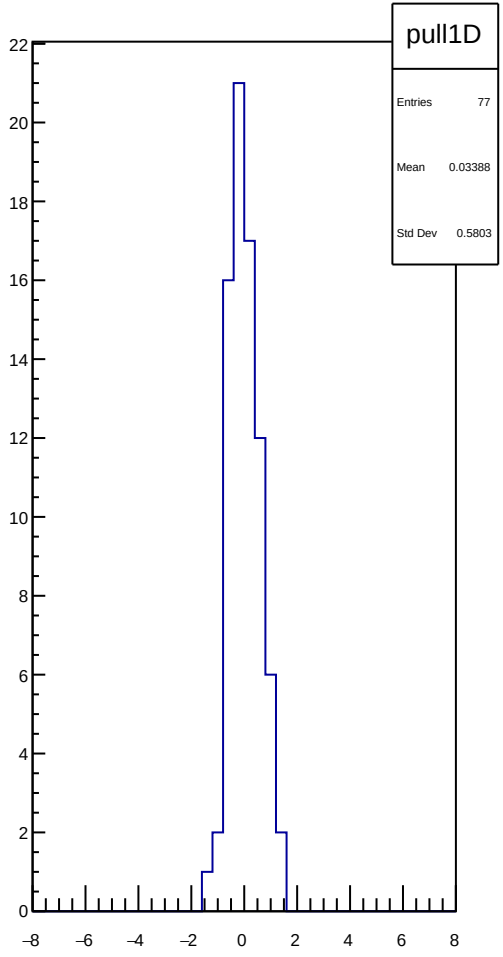

pull1D
Entries 77
Mean −0.01273
Std Dev 0.7813

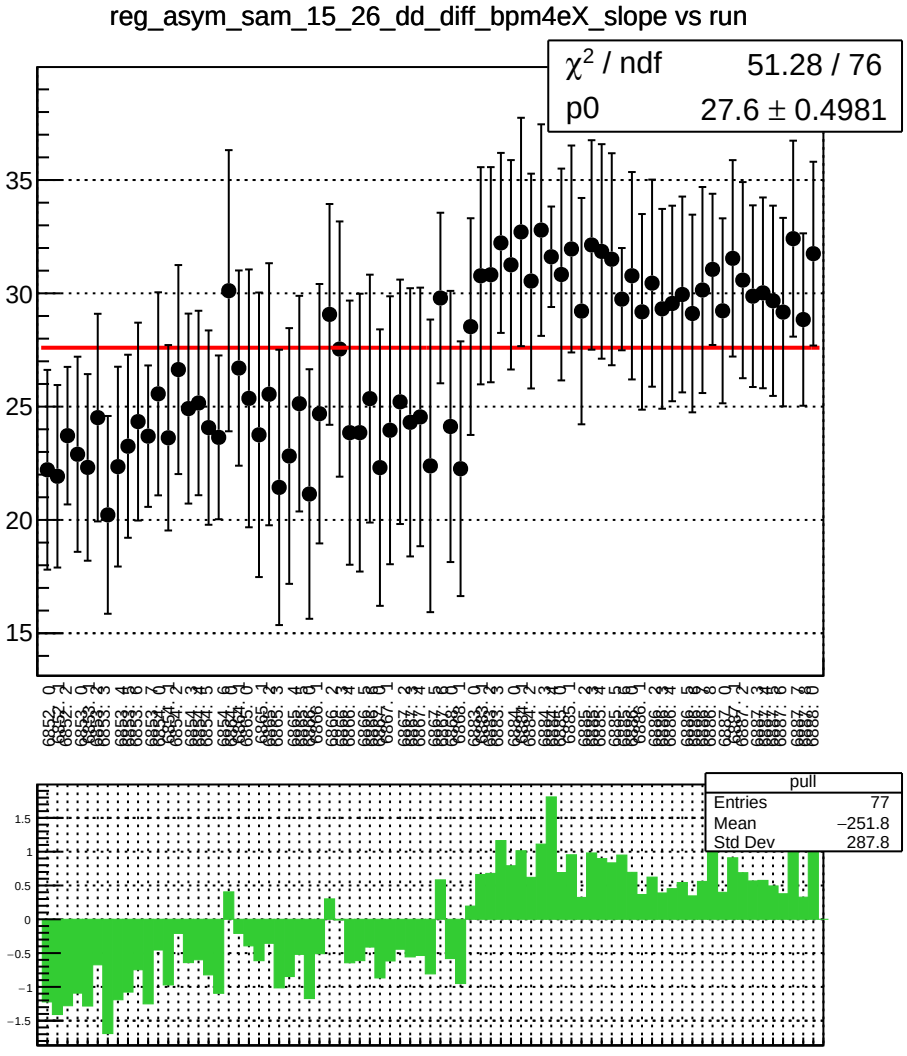

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 173.1 / 76
p0 0.2034 ± 0.01684
pull
Entries 77
Mean 226.7
Std Dev 189.9
pull1D
Entries 77
Mean 0.1586
Std Dev 1.491

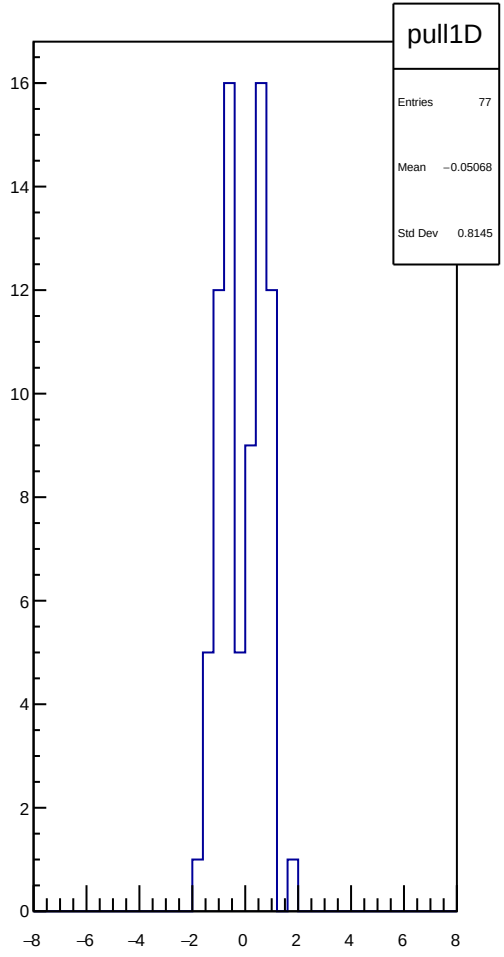

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 50.23 / 76
p0 5.342 ± 0.5204
pull
Entries 77
Mean −182.4
Std Dev 218.8

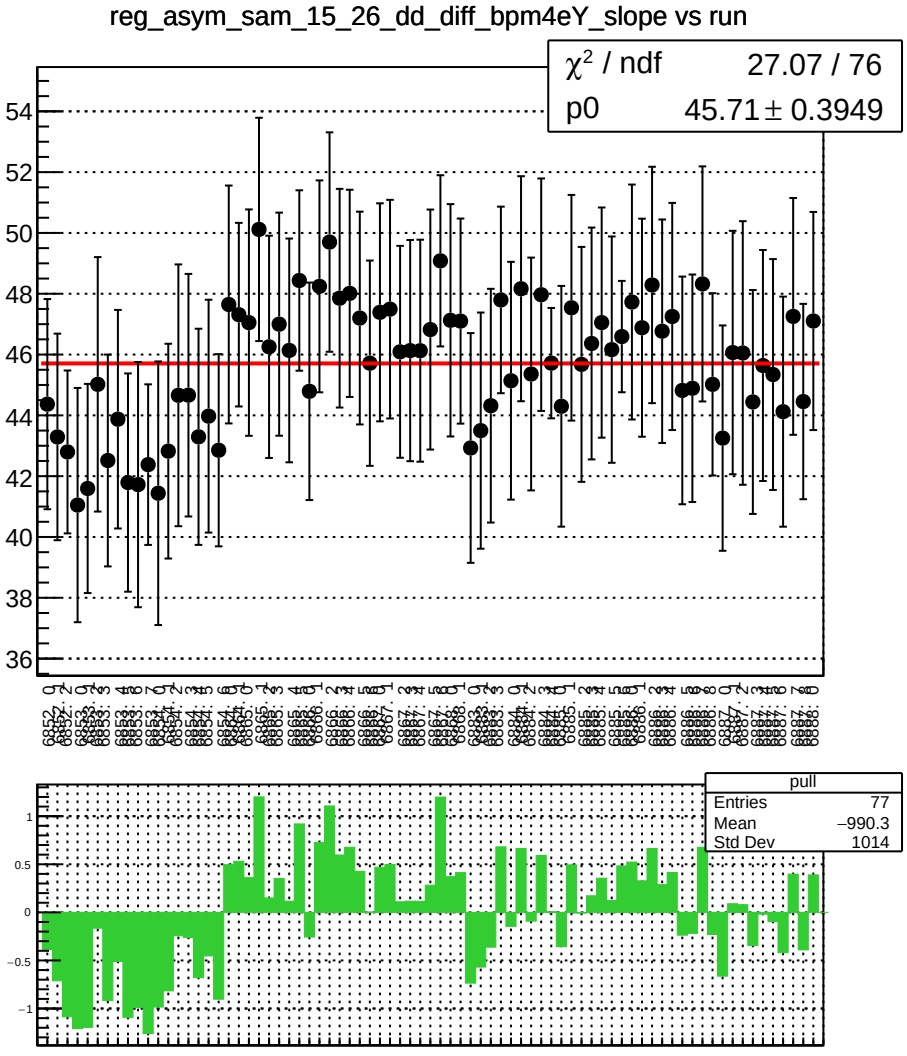

pull1D
Entries 77
Mean 0.06947
Std Dev 0.8047

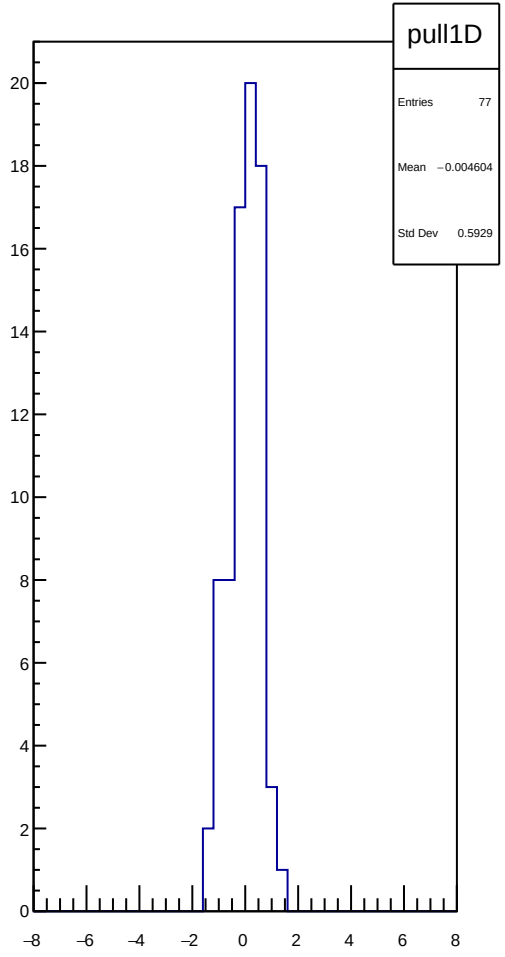

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.02 / 76
p0 −3.407 ± 0.3065
pull
Entries 77
Mean −109.6
Std Dev 130.7

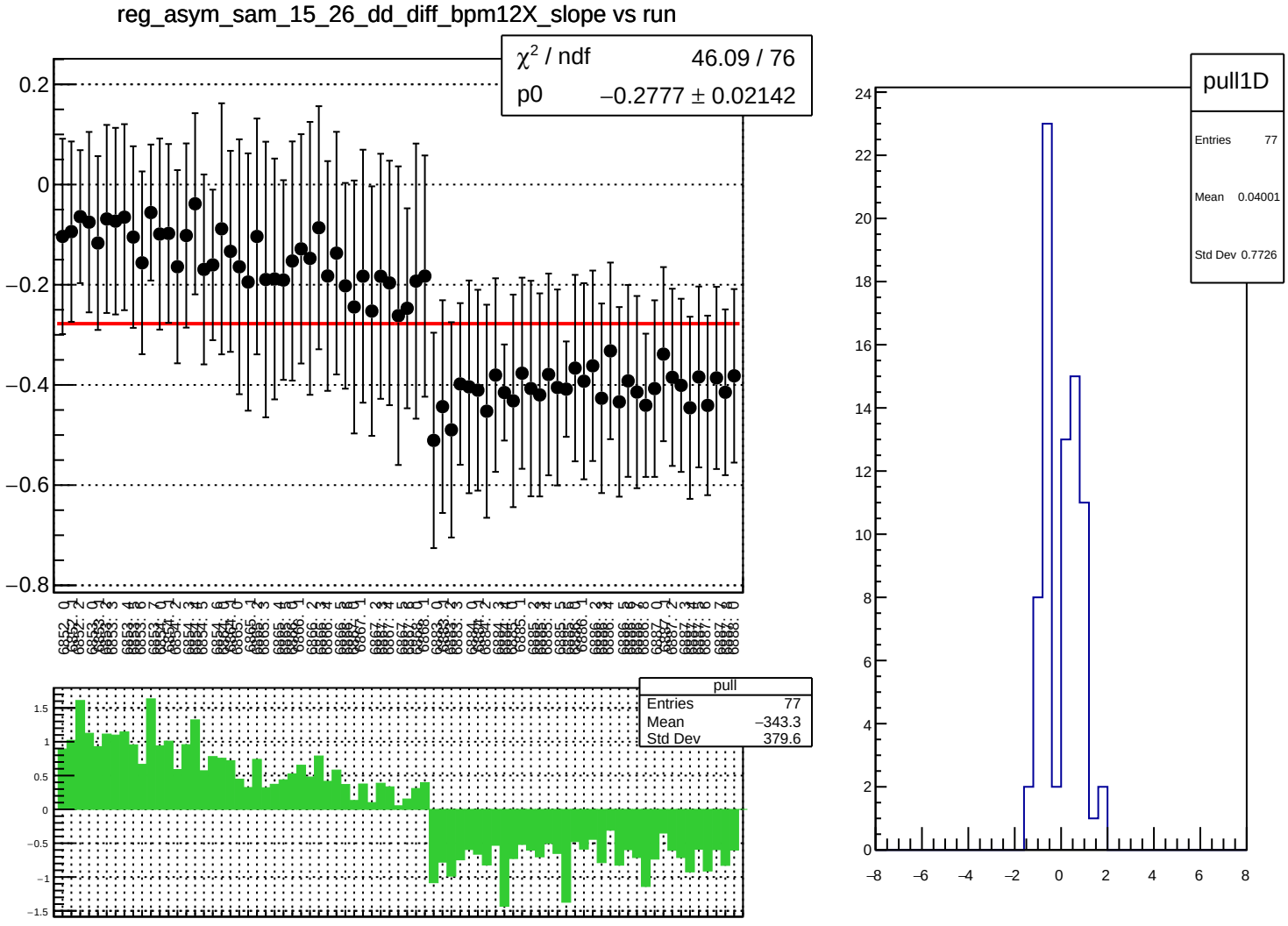

pull1D
Entries 77
Mean 0.03388
Std Dev 0.5803

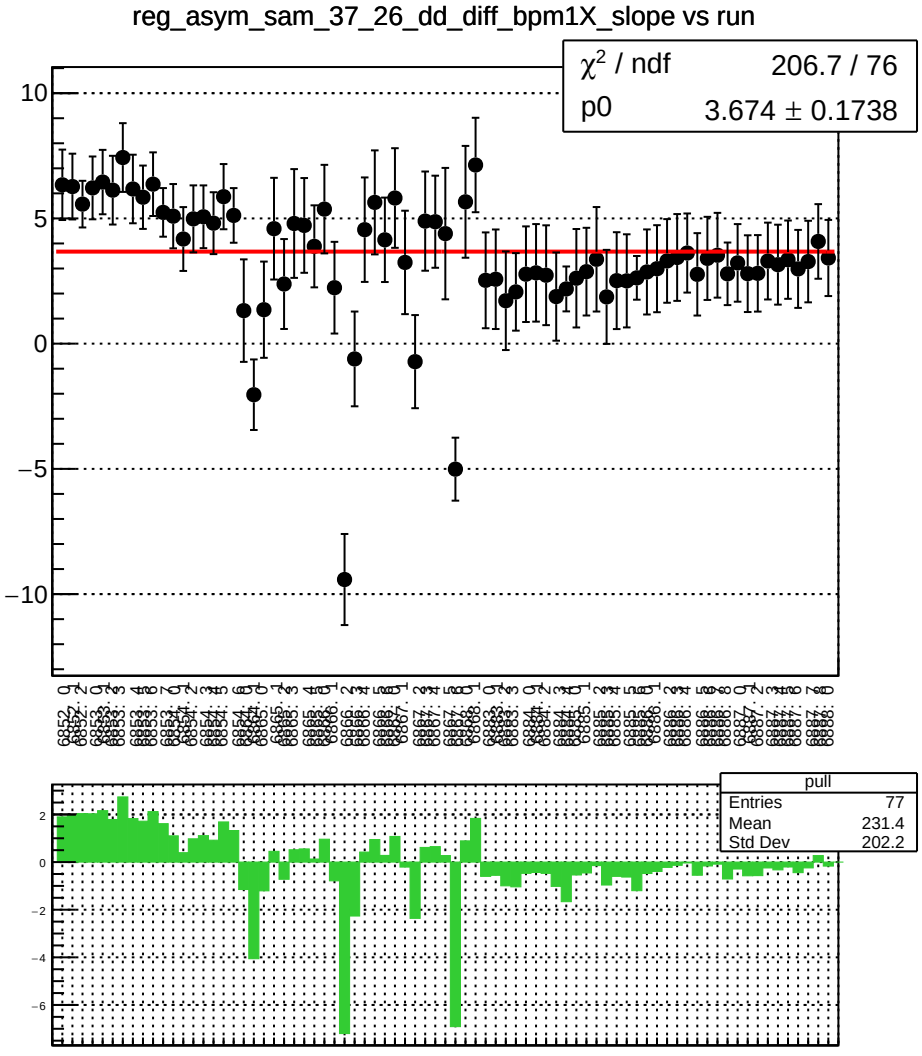

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.28 / 76
p0 27.6 ± 0.4981
pull
Entries 77
Mean −251.8
Std Dev 287.8

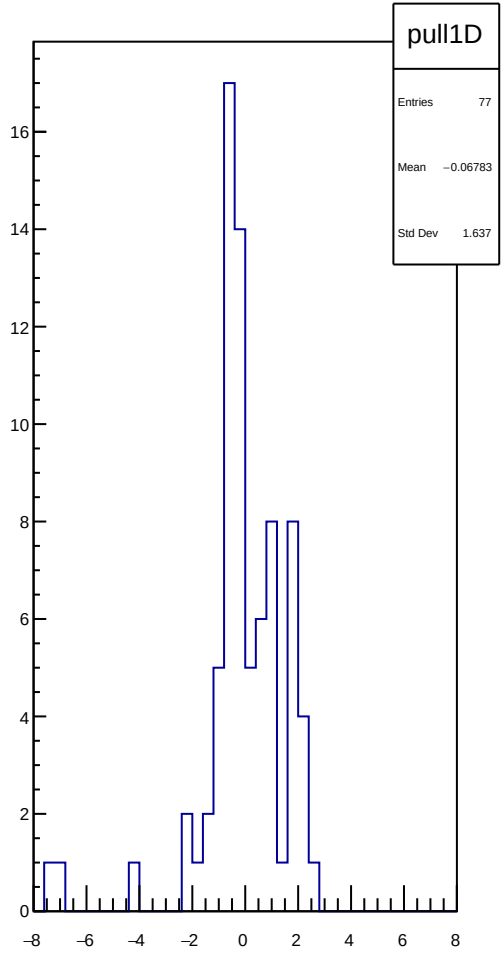

pull1D
Entries 77
Mean −0.05068
Std Dev 0.8145

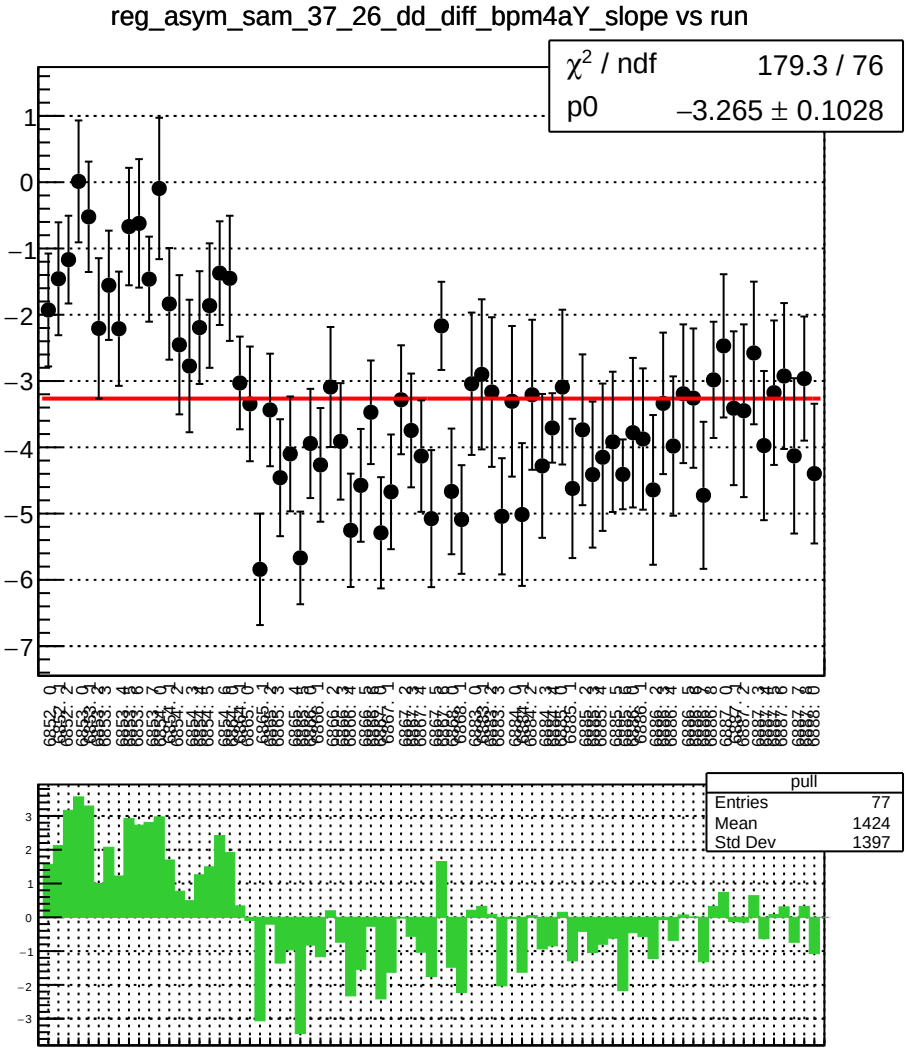

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.07 / 76
p0 45.71 ± 0.3949
pull
Entries 77
Mean −990.3
Std Dev 1014

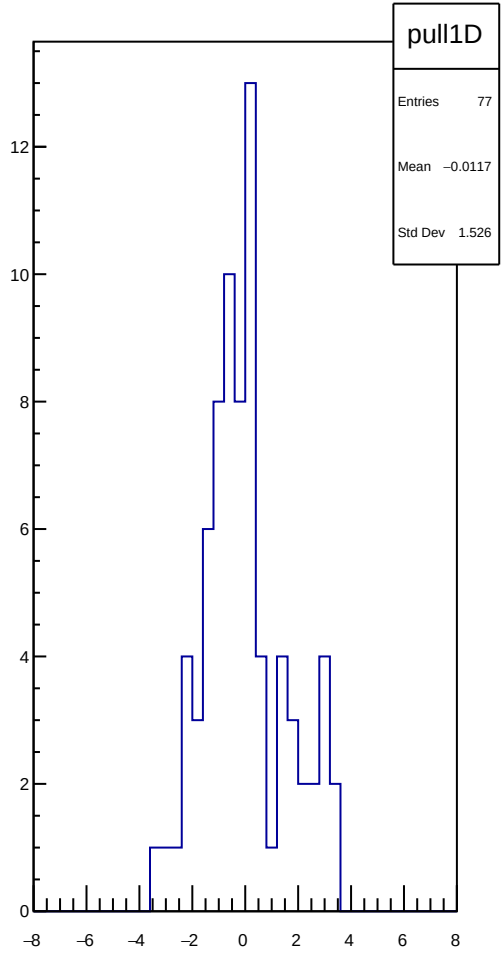

pull1D
Entries 77
Mean −0.004604
Std Dev 0.5929

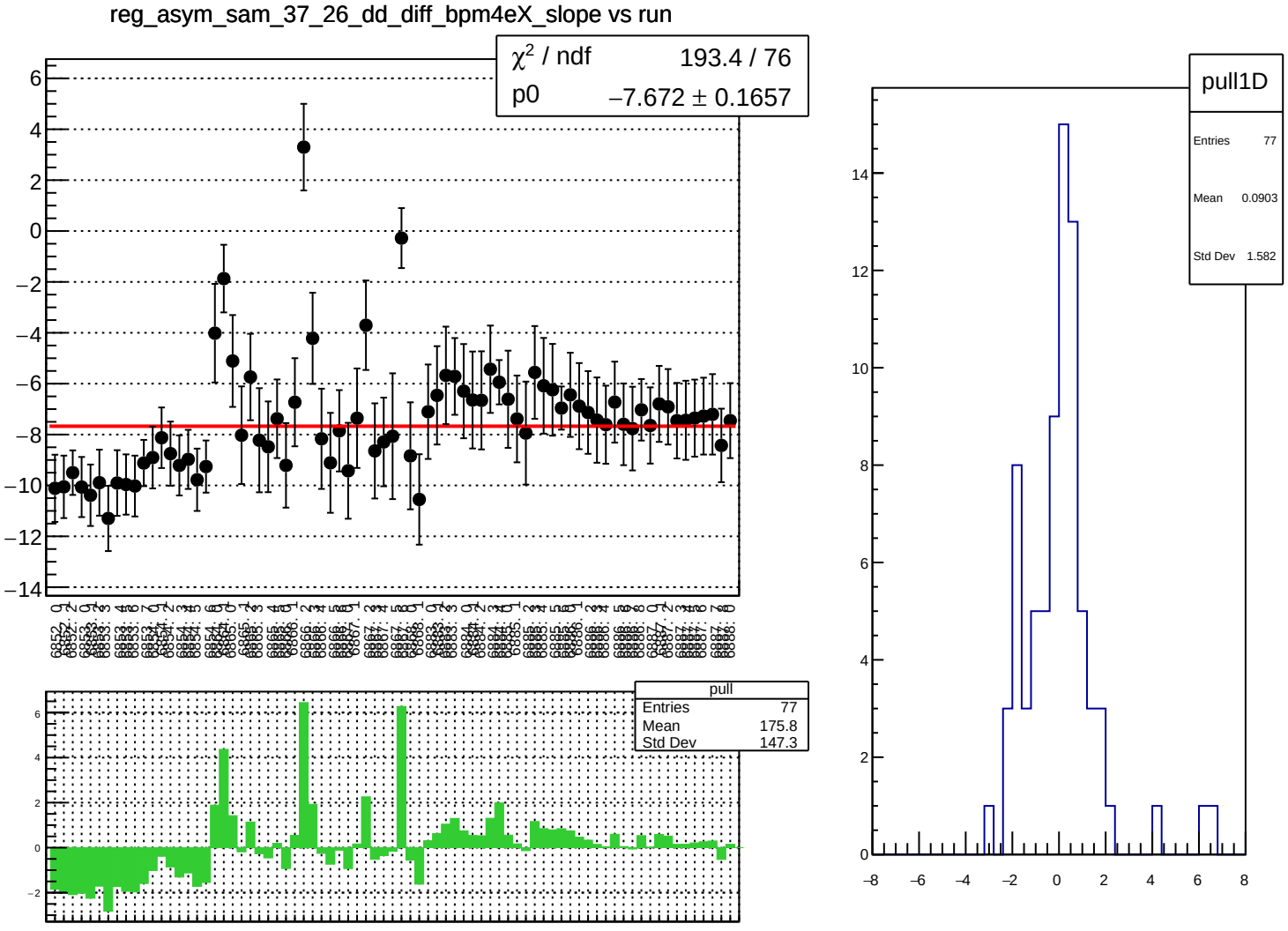

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 46.09 / 76
p0 −0.2777 ± 0.02142
pull
Entries 77
Mean −343.3
Std Dev 379.6
pull1D
Entries 77
Mean 0.04001
Std Dev 0.7726


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 206.7 / 76
p0 3.674 ± 0.1738
pull
Entries 77
Mean 231.4
Std Dev 202.2

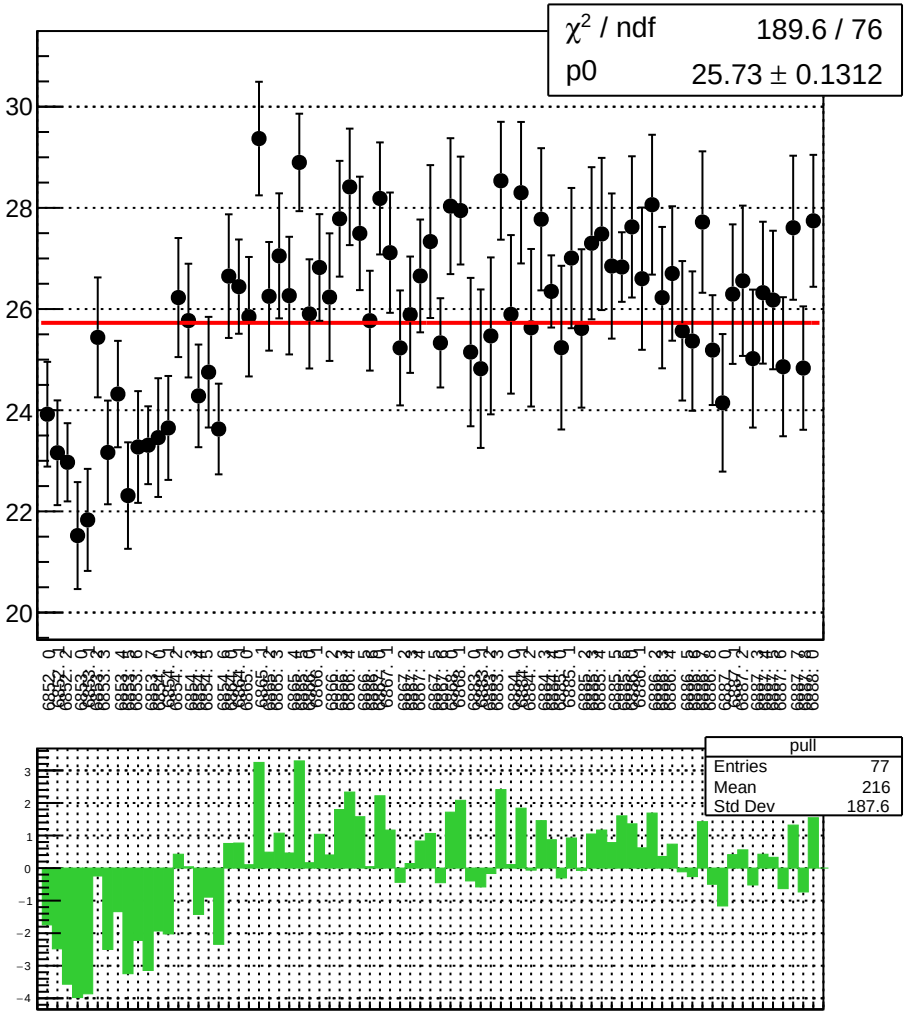

pull1D
Entries 77
Mean −0.06783
Std Dev 1.637

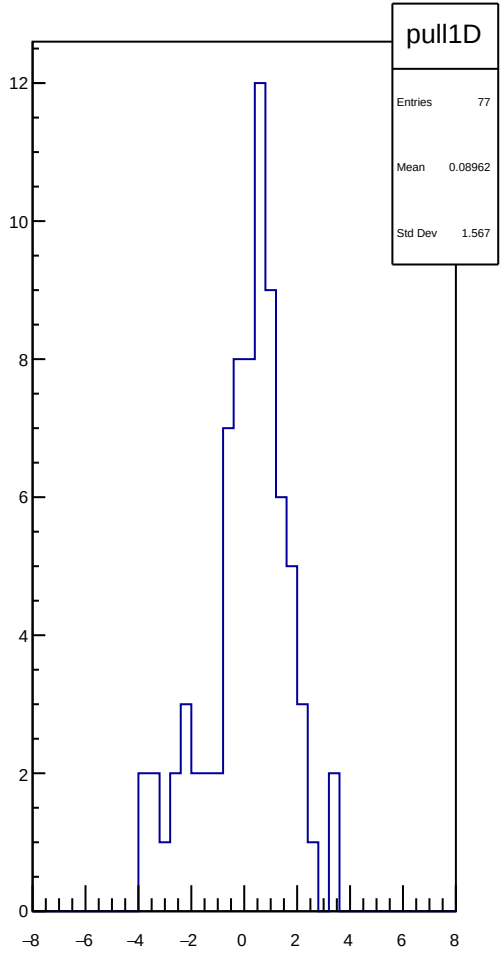

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 179.3 / 76
p0 −3.265 ± 0.1028
pull
Entries 77
Mean 1424
Std Dev 1397

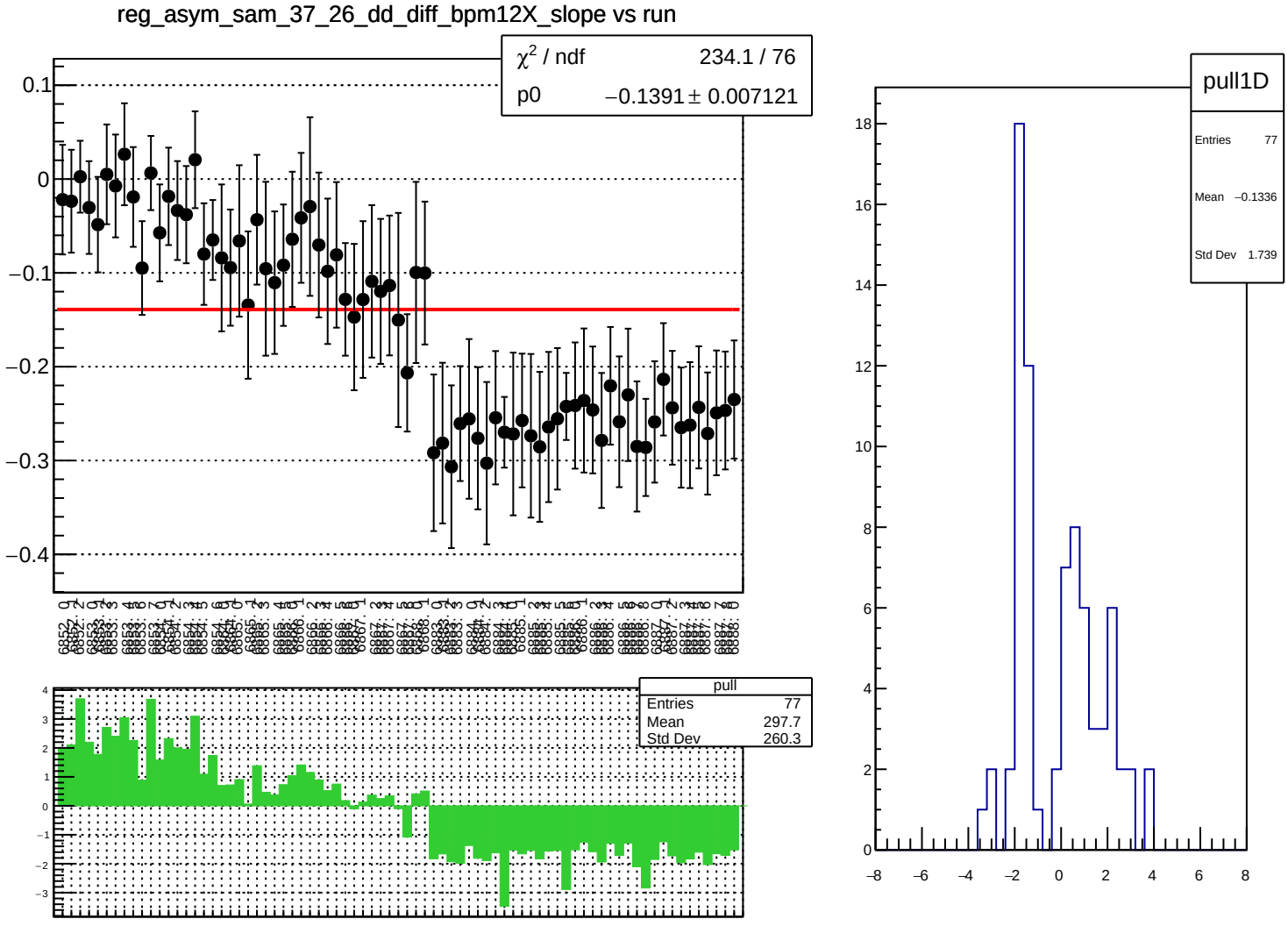

pull1D
Entries 77
Mean −0.0117
Std Dev 1.526

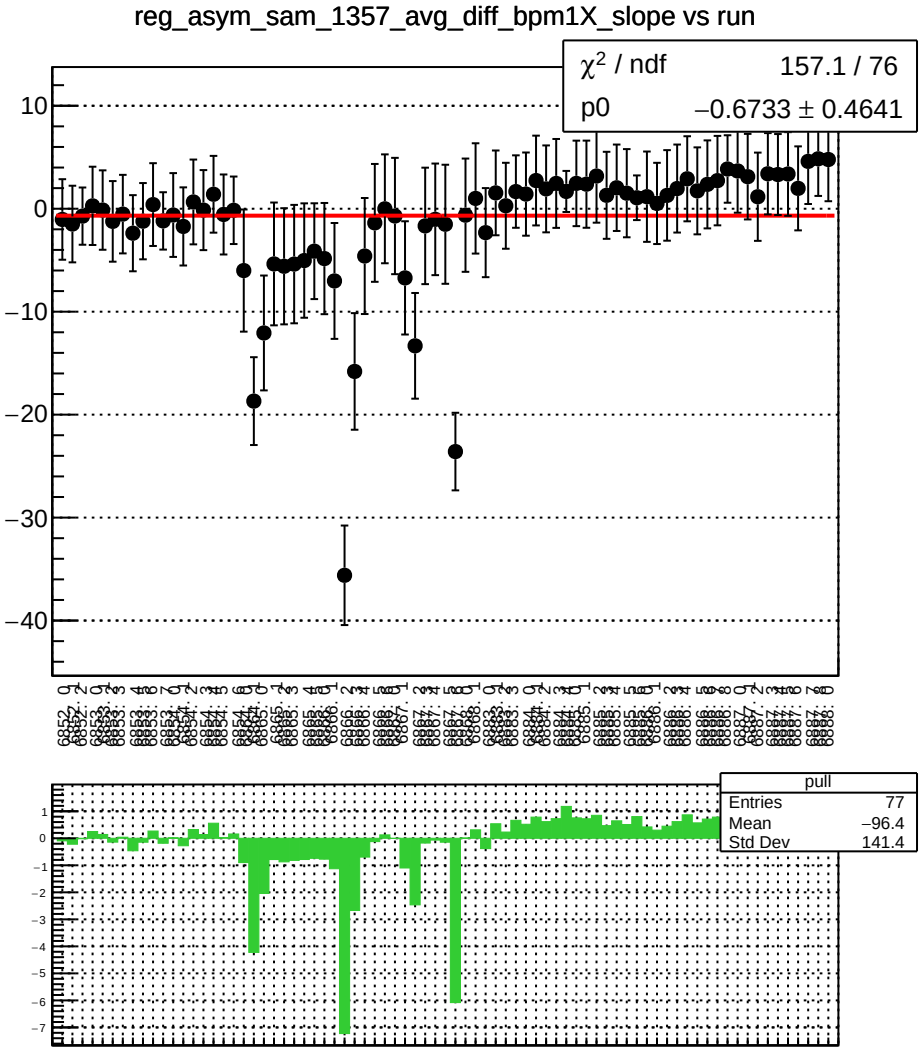

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 193.4 / 76
p0 −7.672 ± 0.1657
pull
Entries 77
Mean 175.8
Std Dev 147.3
pull1D
Entries 77
Mean 0.0903
Std Dev 1.582

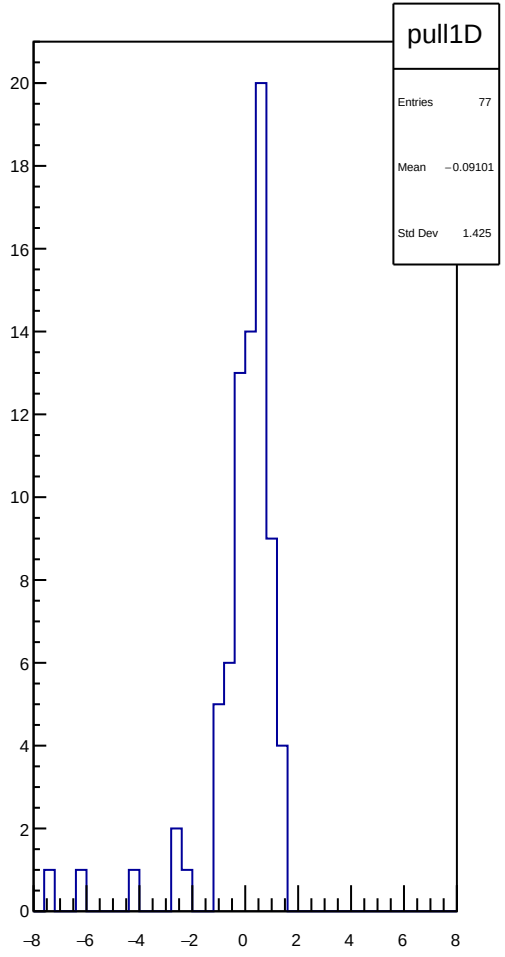
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run

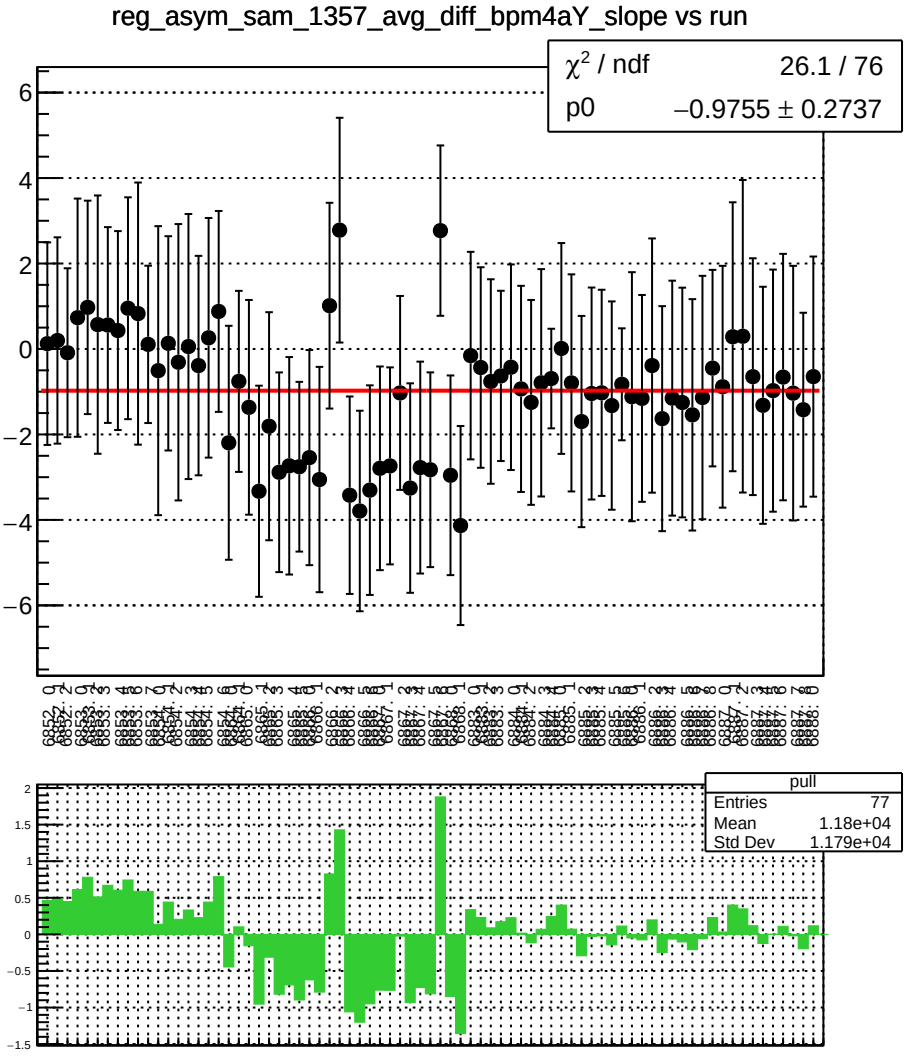


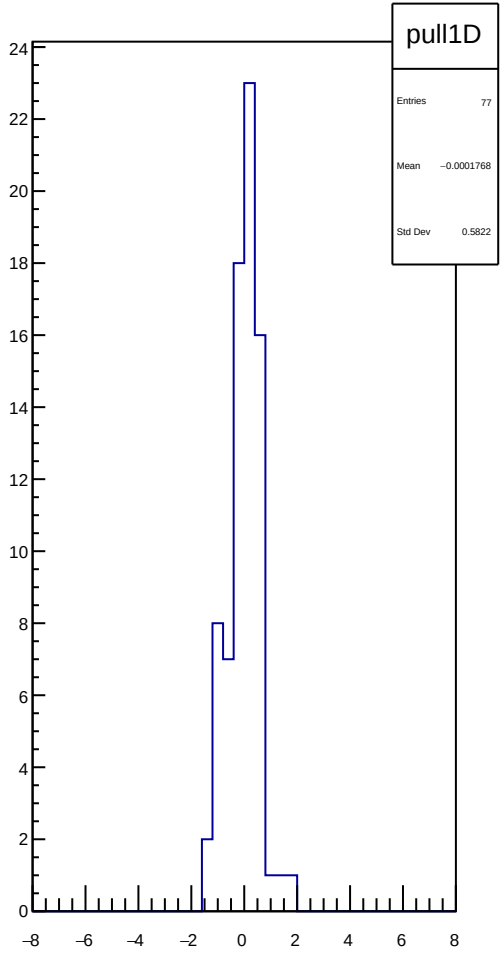


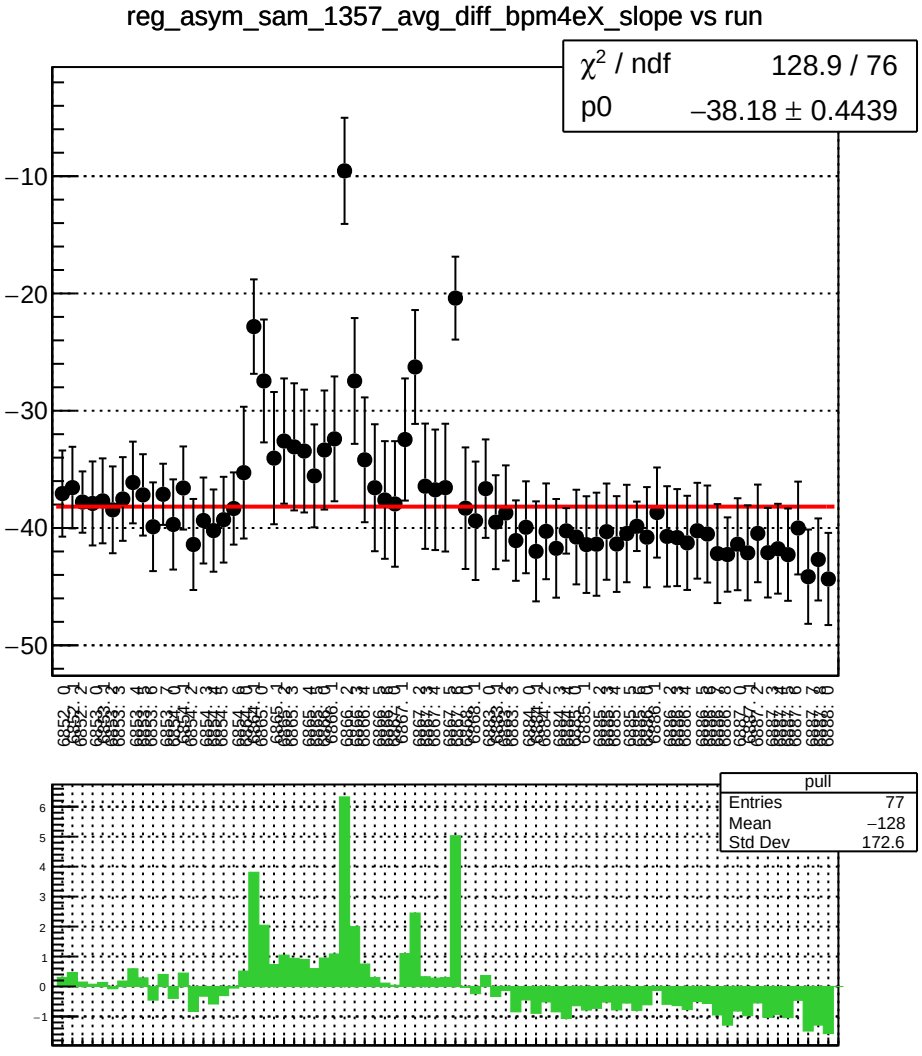

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 234.1 / 76
p0 −0.1391 ± 0.007121
pull
Entries 77
Mean 297.7
Std Dev 260.3
pull1D
Entries 77
Mean −0.1336
Std Dev 1.739

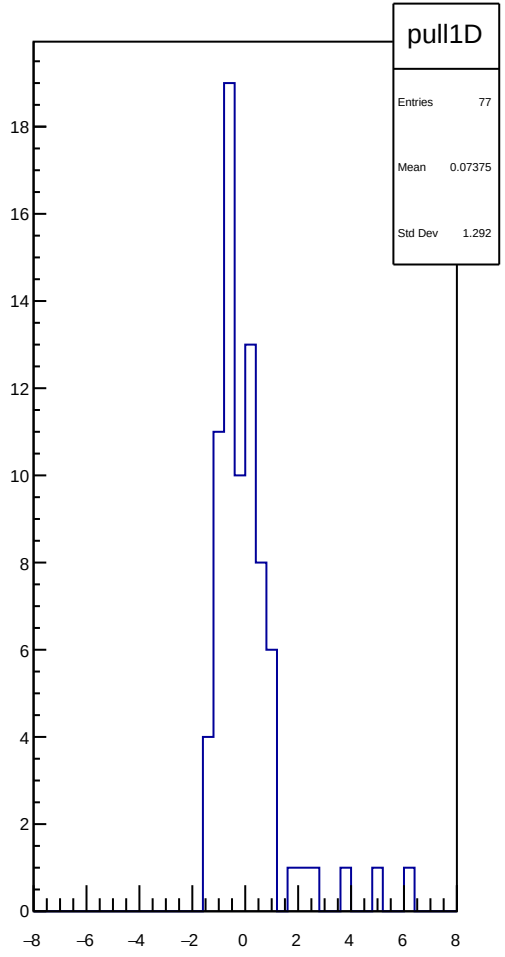

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 157.1 / 76
p0 −0.6733 ± 0.4641
pull
Entries 77
Mean −96.4
Std Dev 141.4

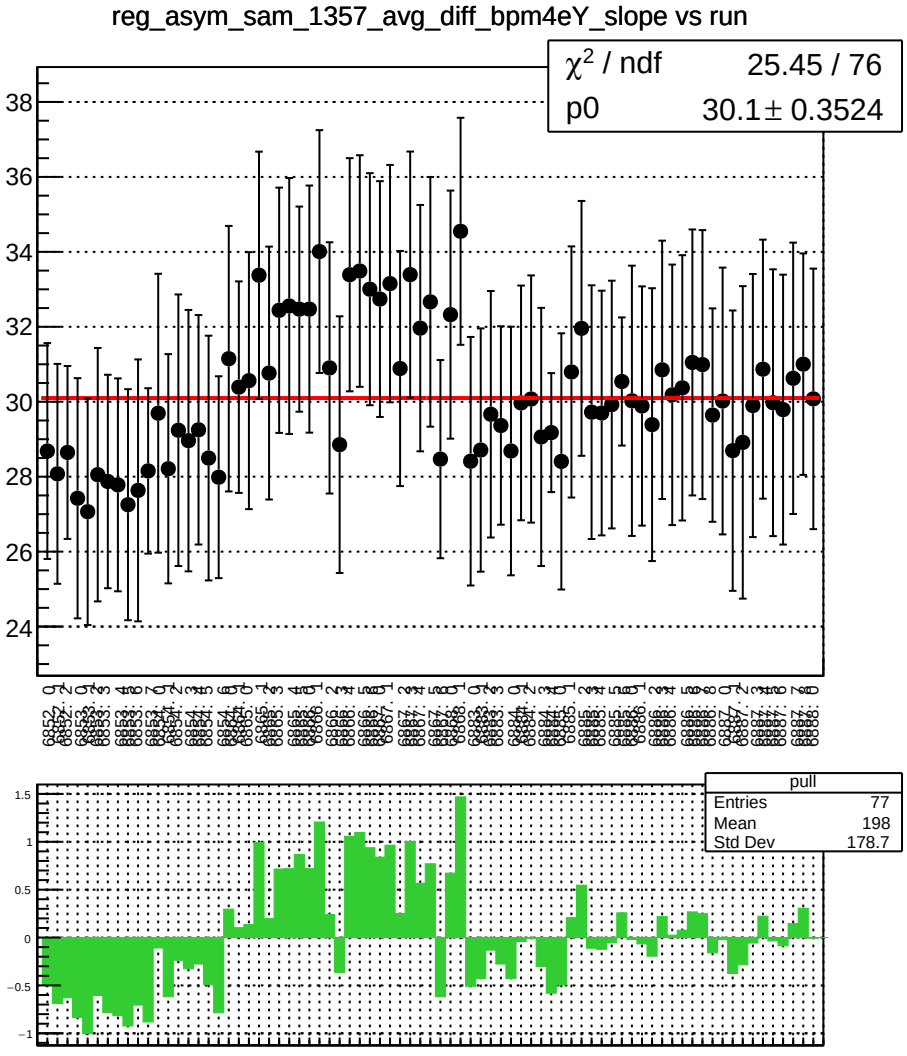

pull1D
Entries 77
Mean −0.09101
Std Dev 1.425

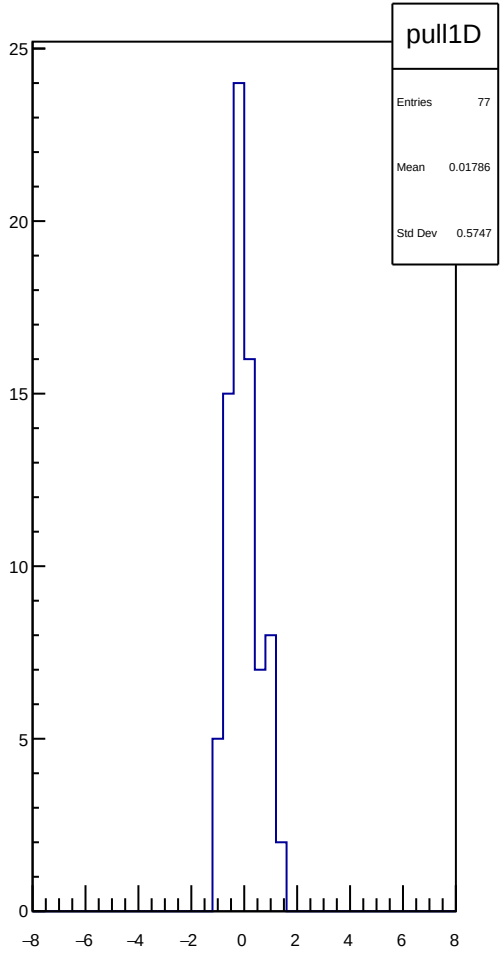

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.1 / 76
p0 −0.9755 ± 0.2737
pull
Entries 77
Mean 1.18e+04
Std Dev 1.179e+04

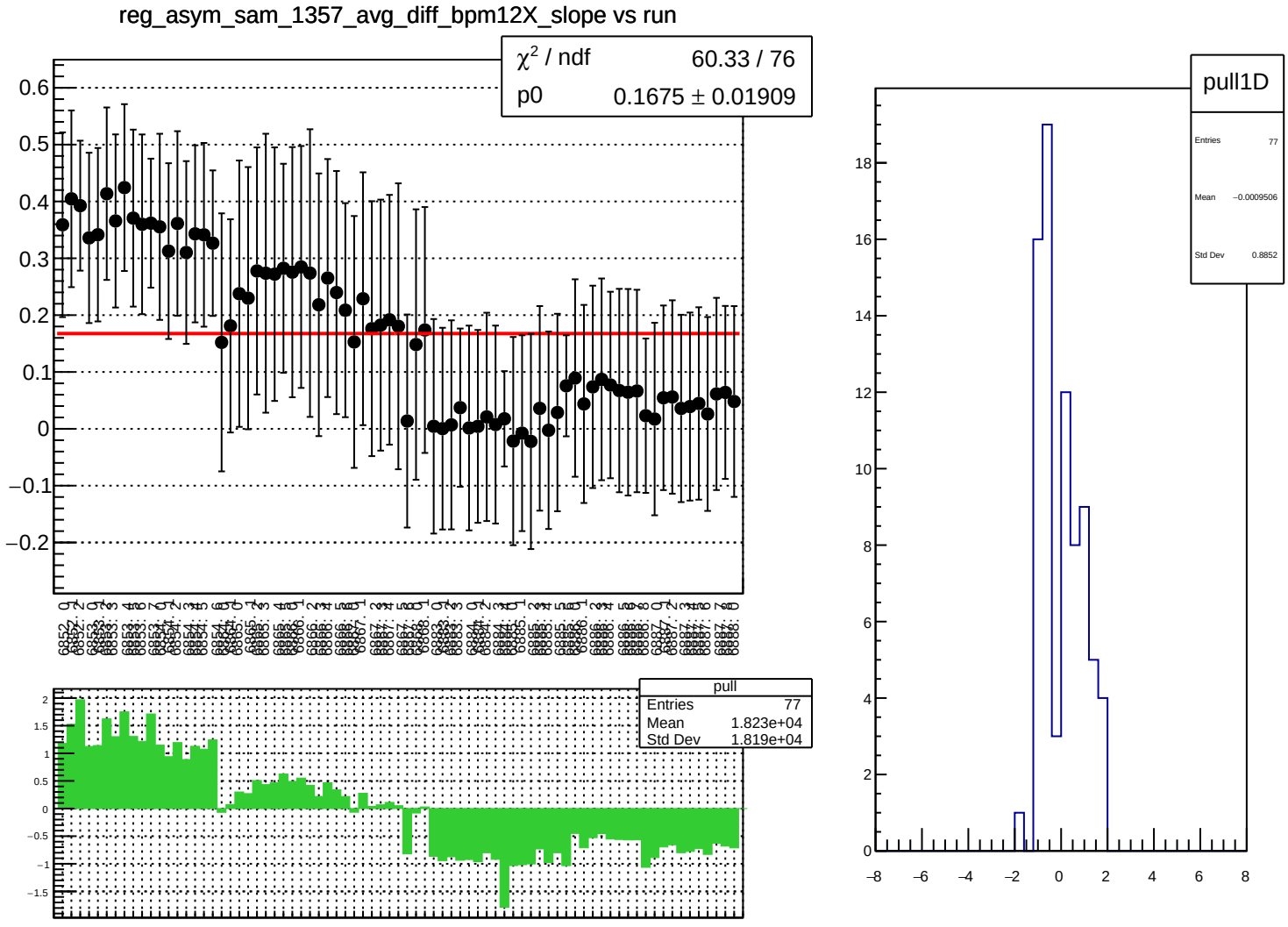

pull1D
Entries 77
Mean −0.0001768
Std Dev 0.5822

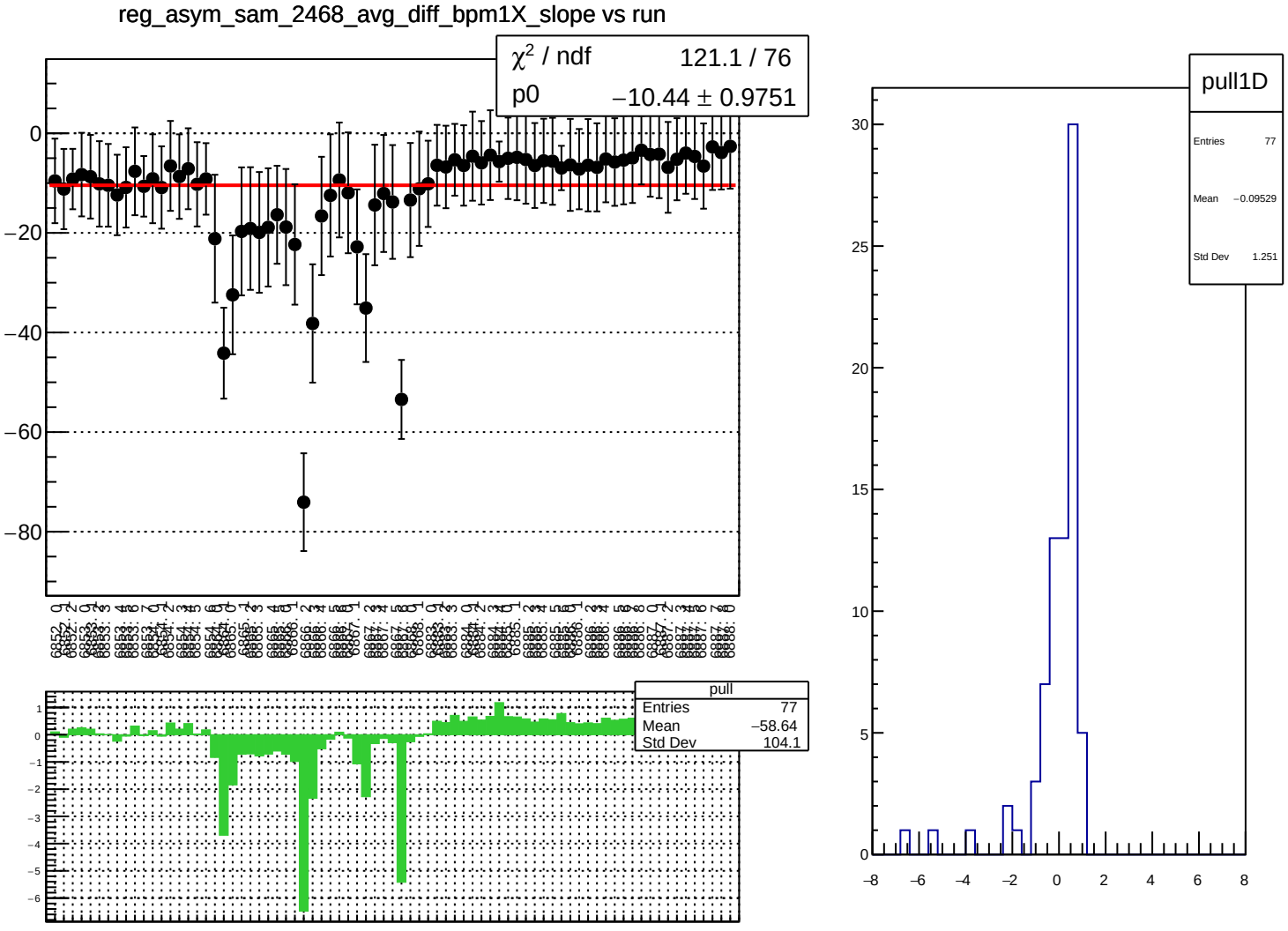

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 128.9 / 76
p0 −38.18 ± 0.4439
pull
Entries 77
Mean −128
Std Dev 172.6

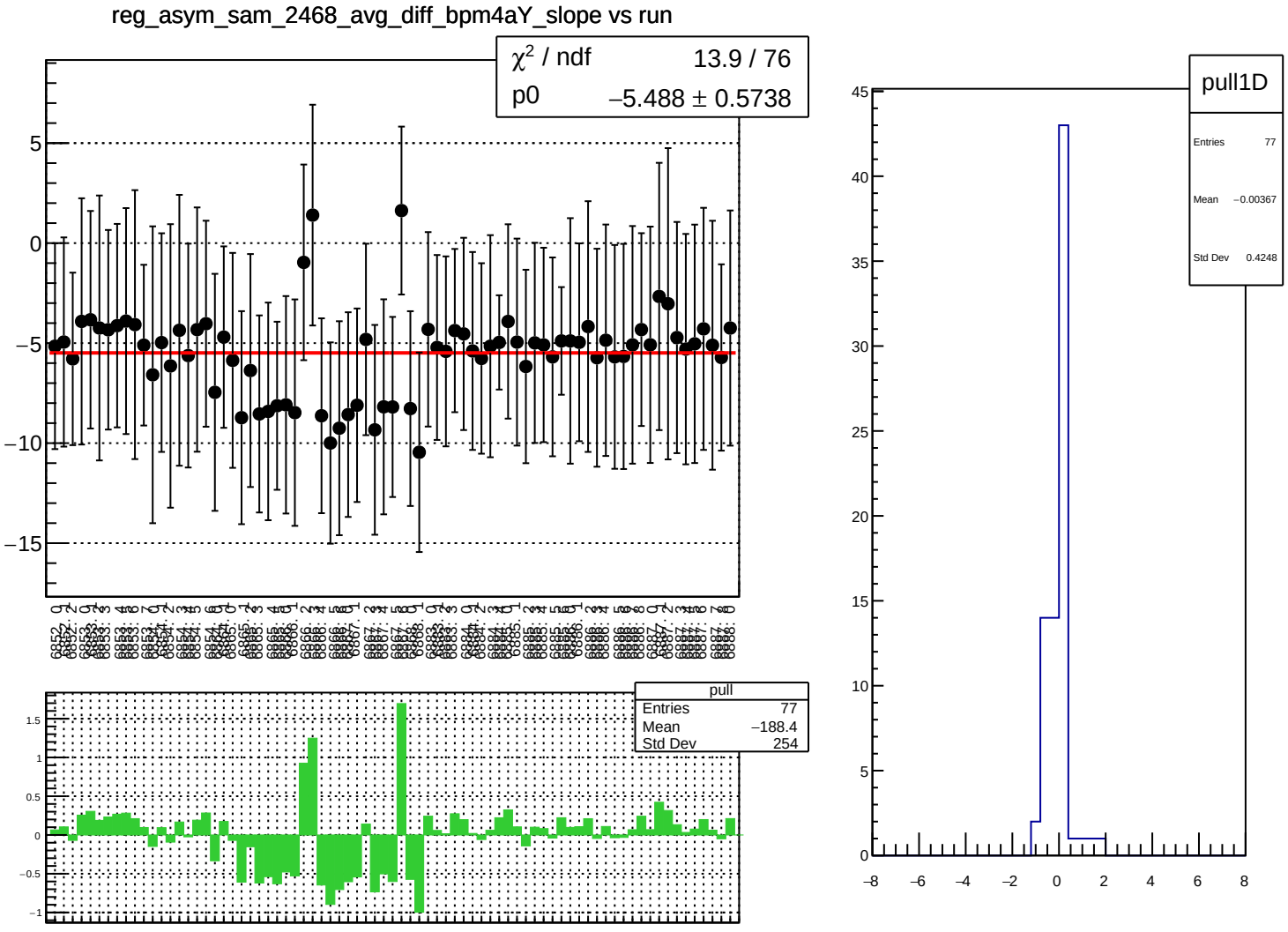

pull1D
Entries 77
Mean 0.07375
Std Dev 1.292

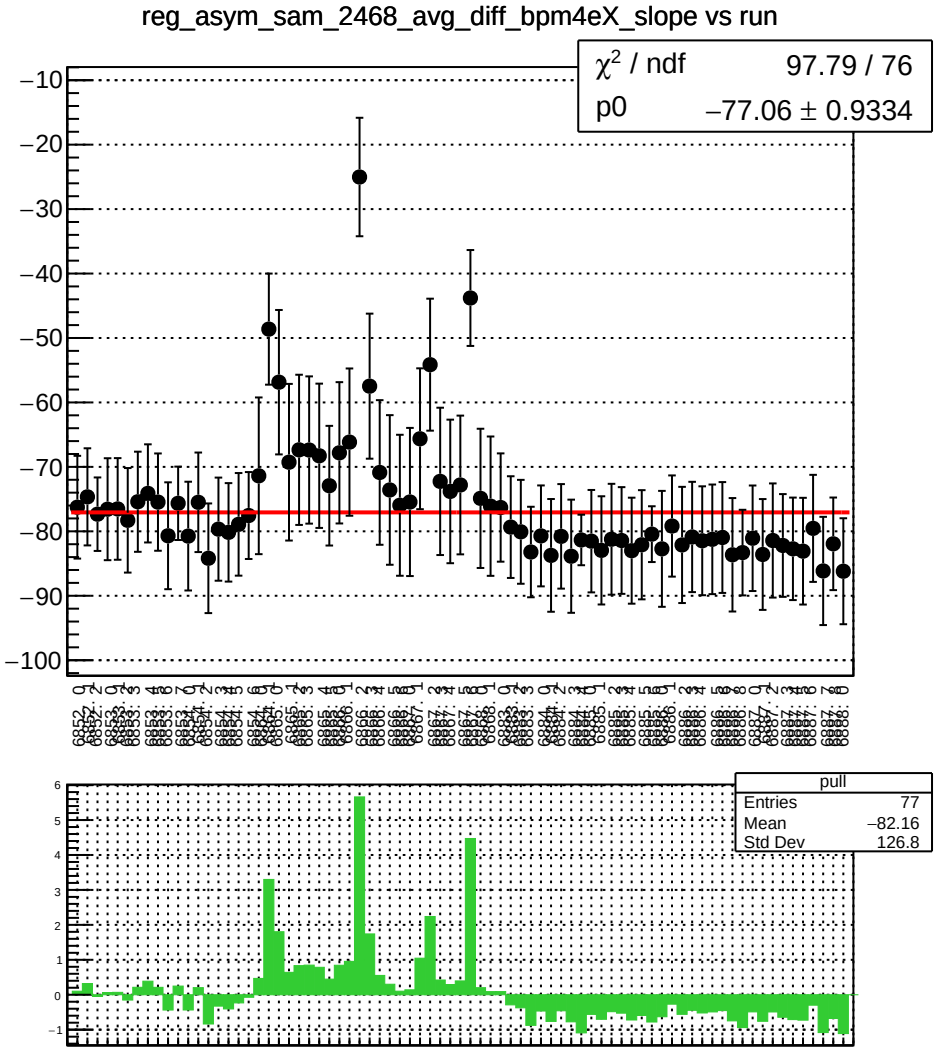

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.45 / 76
p0 30.1 ± 0.3524
pull
Entries 77
Mean 198
Std Dev 178.7

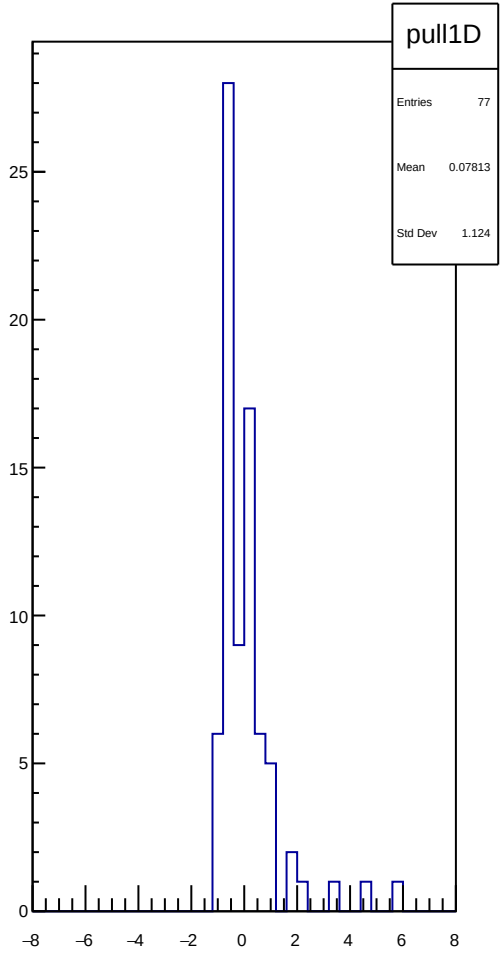

pull1D
Entries 77
Mean 0.01786
Std Dev 0.5747

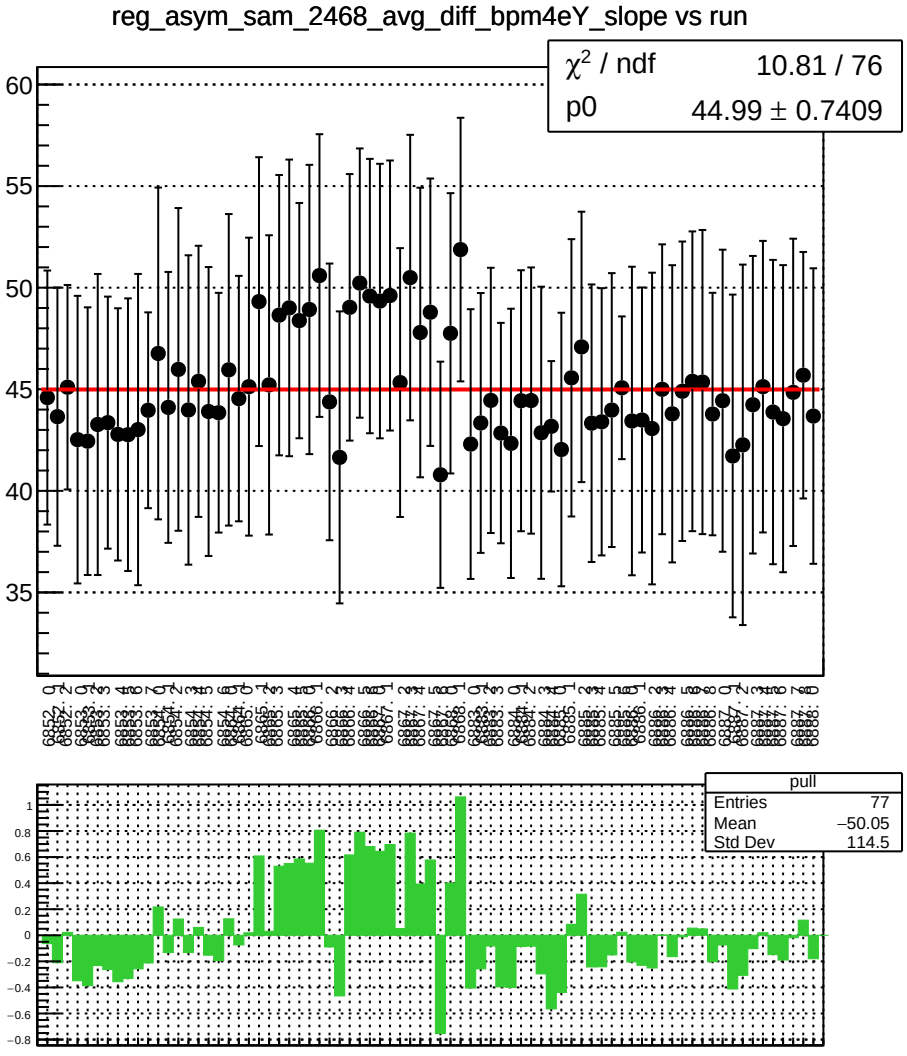

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 60.33 / 76
p0 0.1675 ± 0.01909
pull
Entries 77
Mean 1.823e+04
Std Dev 1.819e+04
pull1D
Entries 77
Mean −0.0009506
Std Dev 0.8852

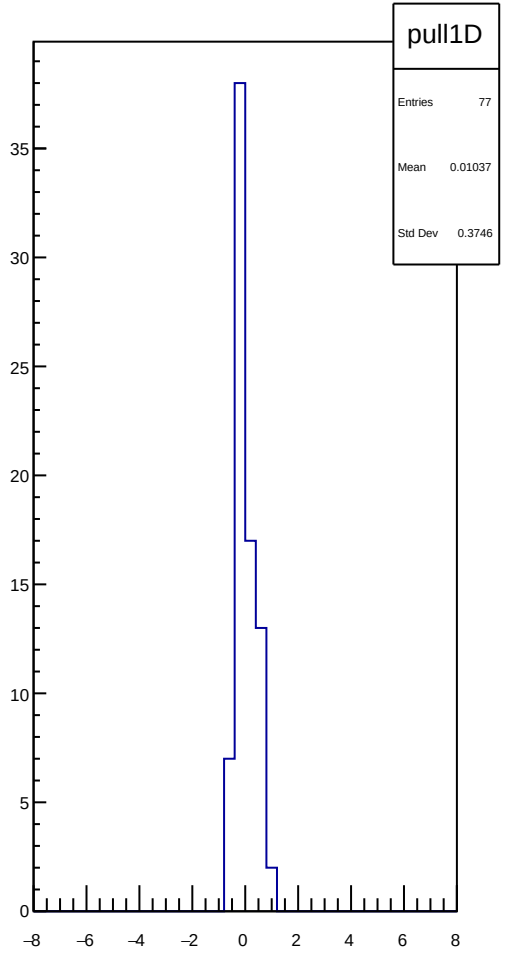

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 121.1 / 76
p0 −10.44 ± 0.9751
pull
Entries 77
Mean −58.64
Std Dev 104.1
pull1D
Entries 77
Mean −0.09529
Std Dev 1.251

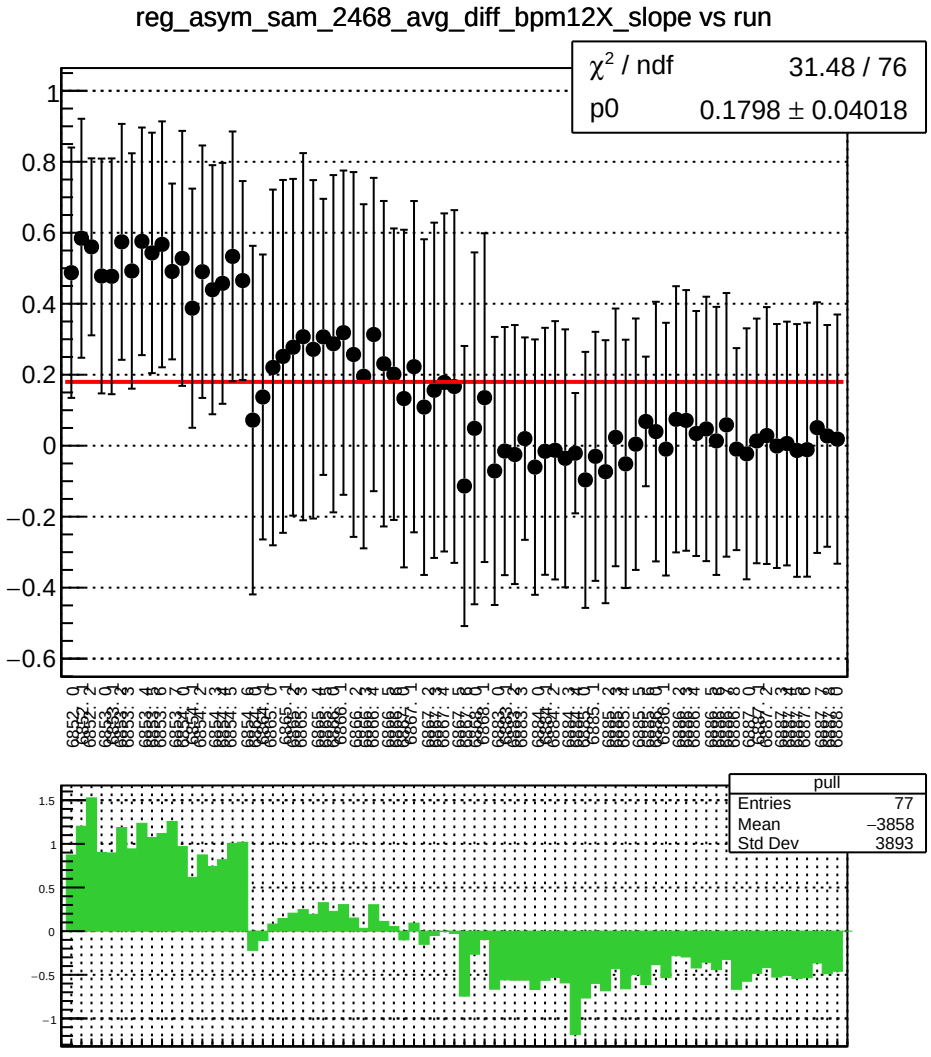

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.9 / 76
p0 −5.488 ± 0.5738
pull
Entries 77
Mean −188.4
Std Dev 254
pull1D
Entries 77
Mean −0.00367
Std Dev 0.4248

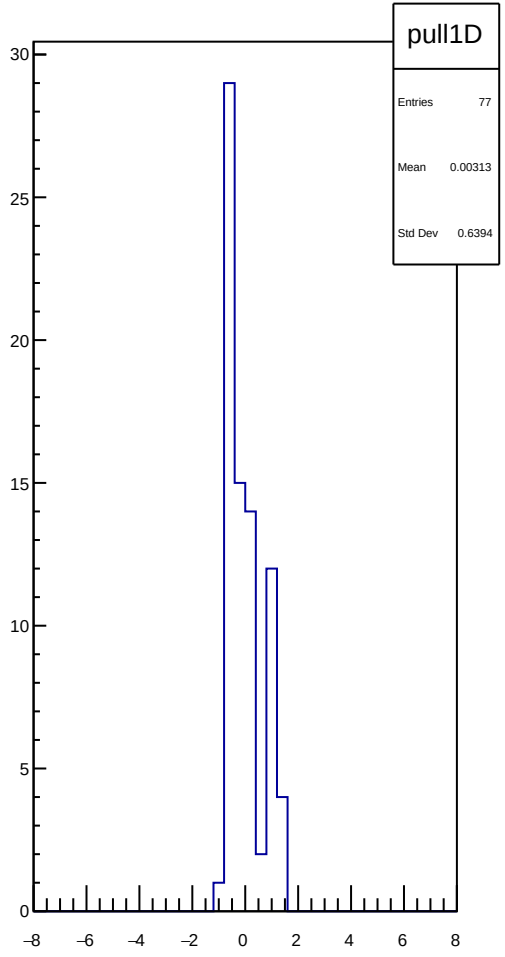

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 97.79 / 76
p0 −77.06 ± 0.9334
pull
Entries 77
Mean −82.16
Std Dev 126.8

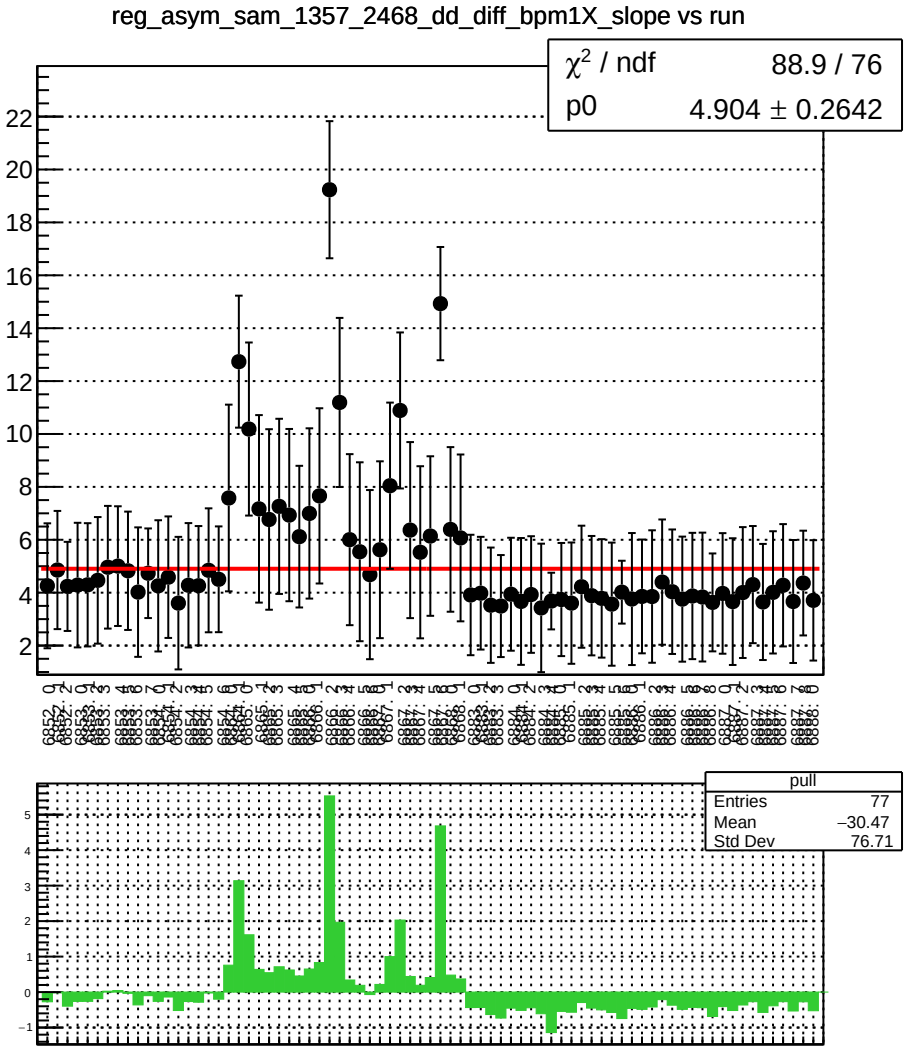

pull1D
Entries 77
Mean 0.07813
Std Dev 1.124

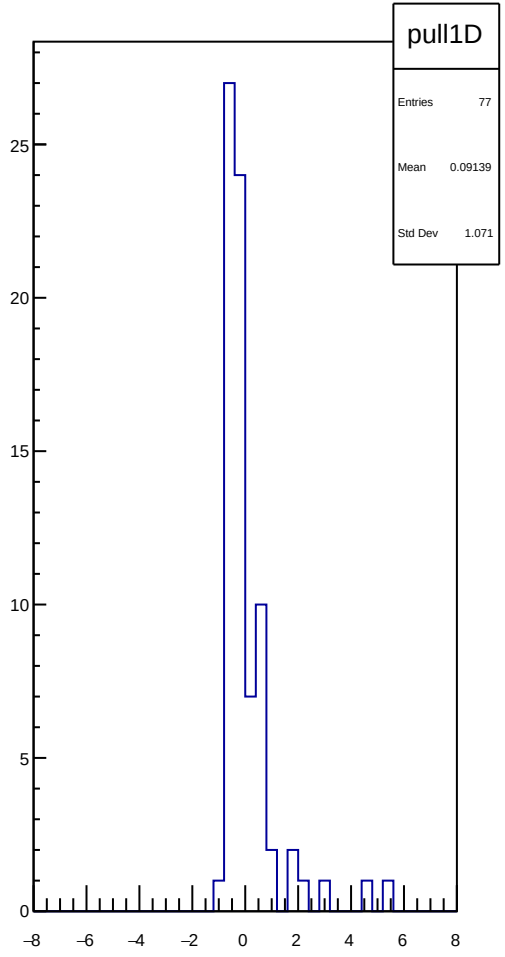

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.81 / 76
p0 44.99 ± 0.7409
pull
Entries 77
Mean −50.05
Std Dev 114.5

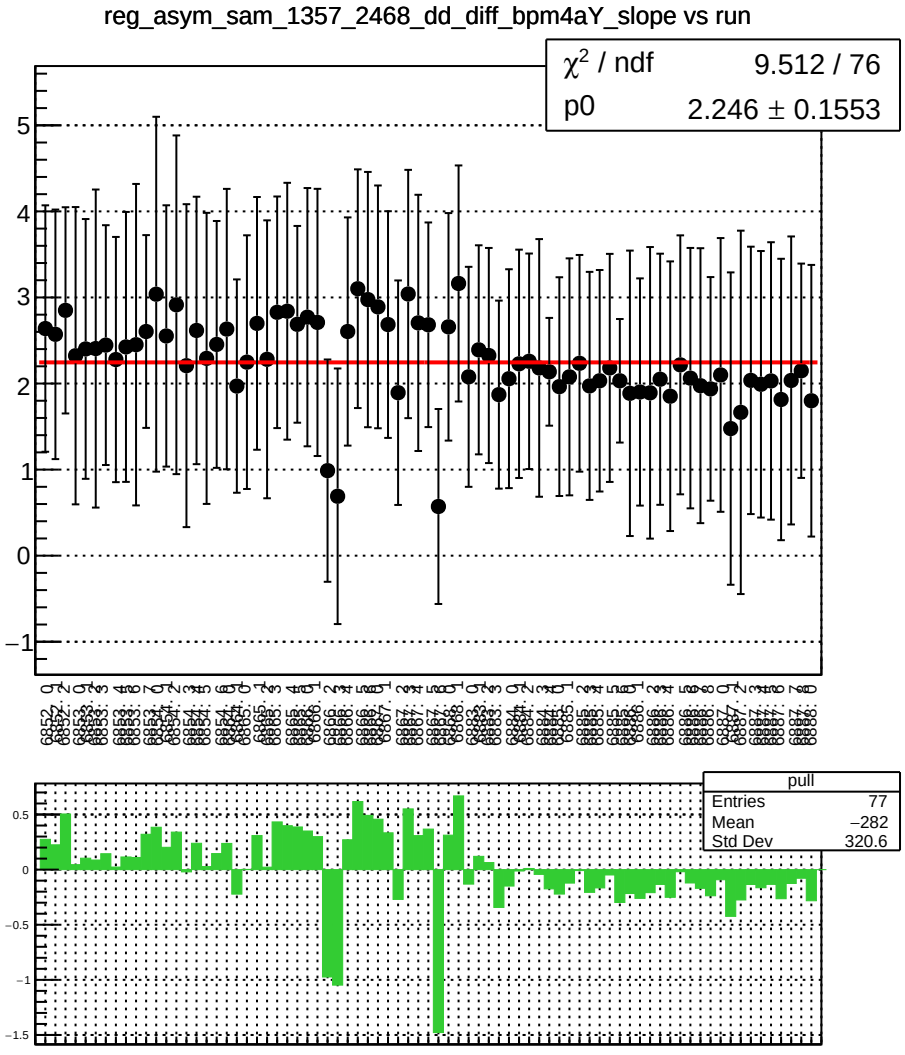

pull1D
Entries 77
Mean 0.01037
Std Dev 0.3746

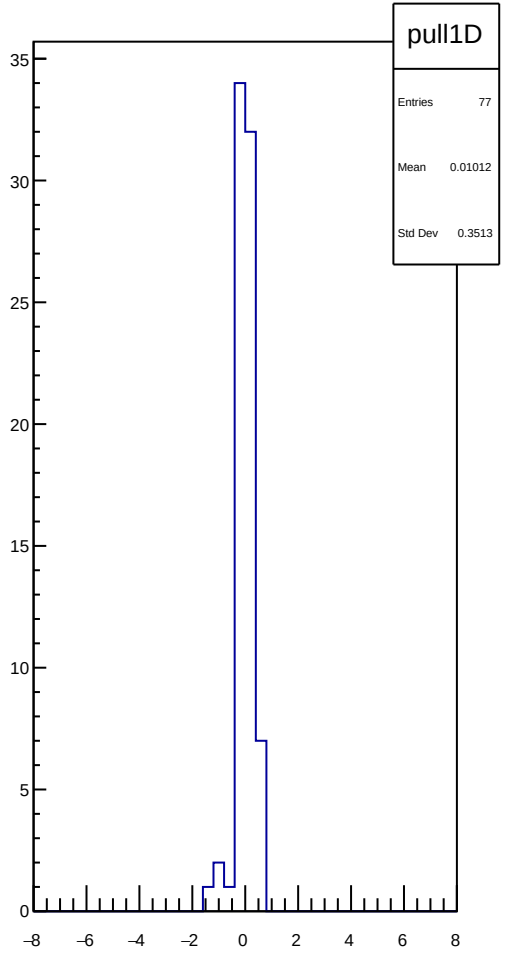

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 31.48 / 76
p0 0.1798 ± 0.04018
pull
Entries 77
Mean −3858
Std Dev 3893


pull1D
Entries 77
Mean 0.00313
Std Dev 0.6394

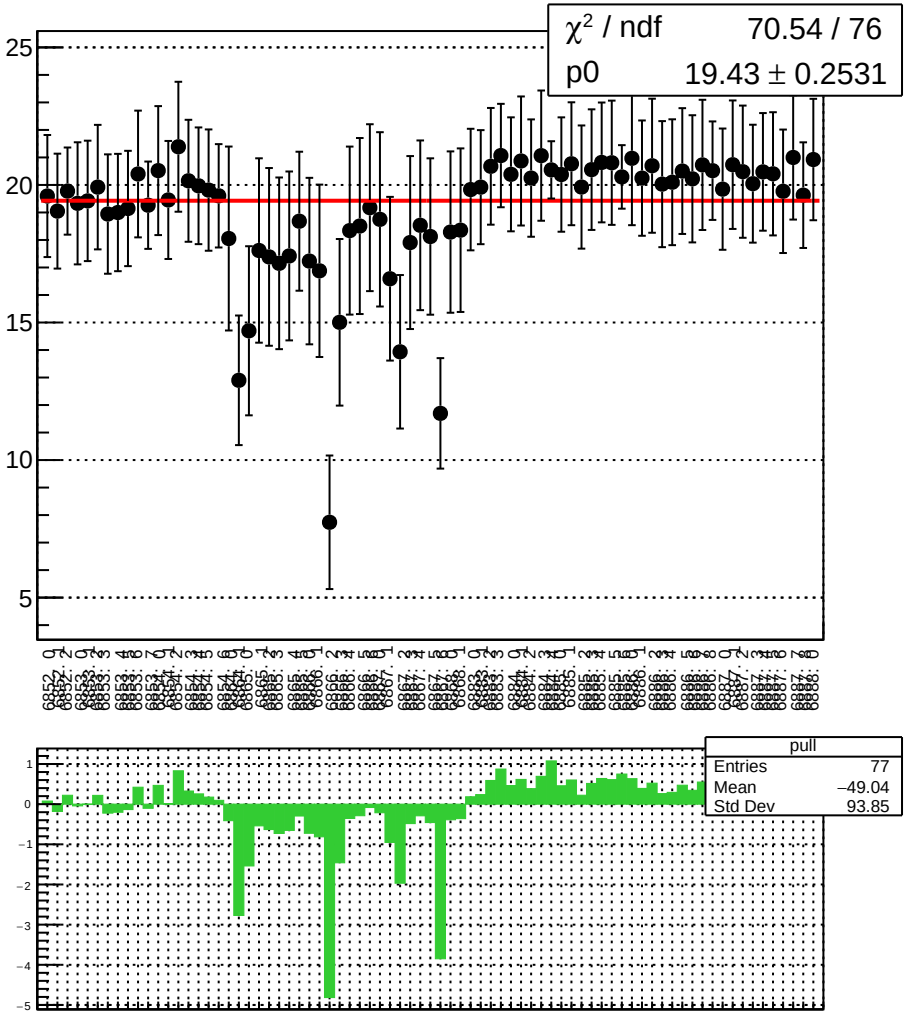

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 88.9 / 76
p0 4.904 ± 0.2642
pull
Entries 77
Mean −30.47
Std Dev 76.71

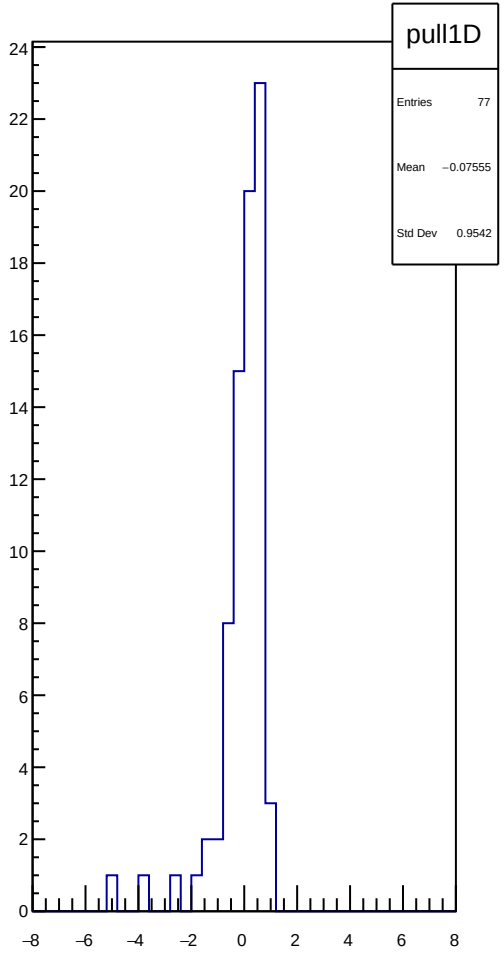

pull1D
Entries 77
Mean 0.09139
Std Dev 1.071


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.512 / 76
p0 2.246 ± 0.1553
pull
Entries 77
Mean −282
Std Dev 320.6

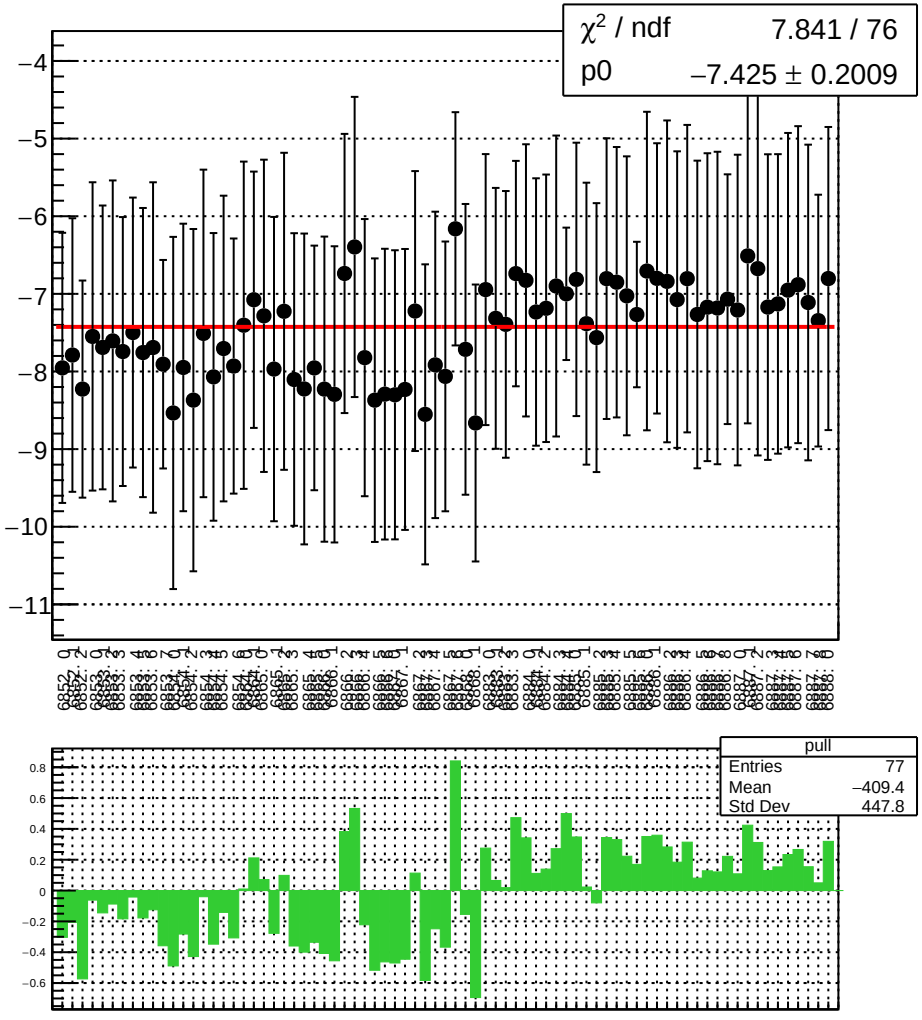

pull1D
Entries 77
Mean 0.01012
Std Dev 0.3513

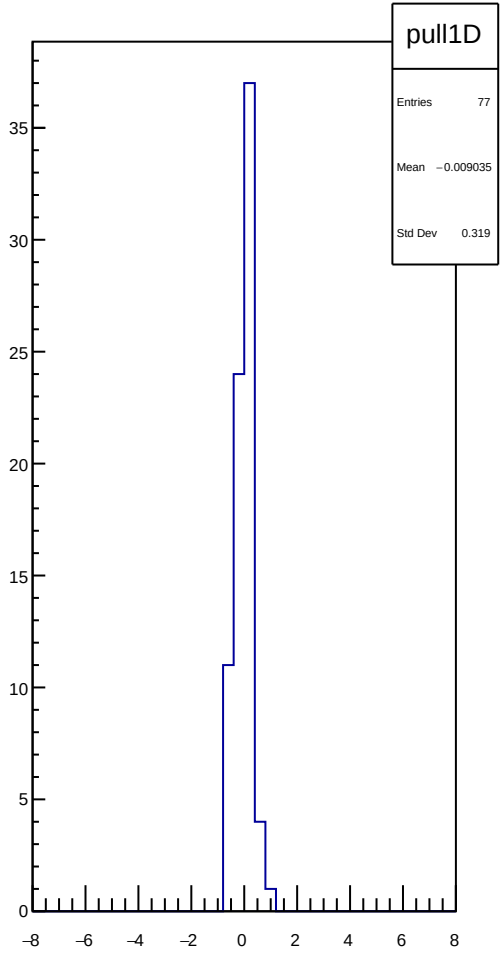
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

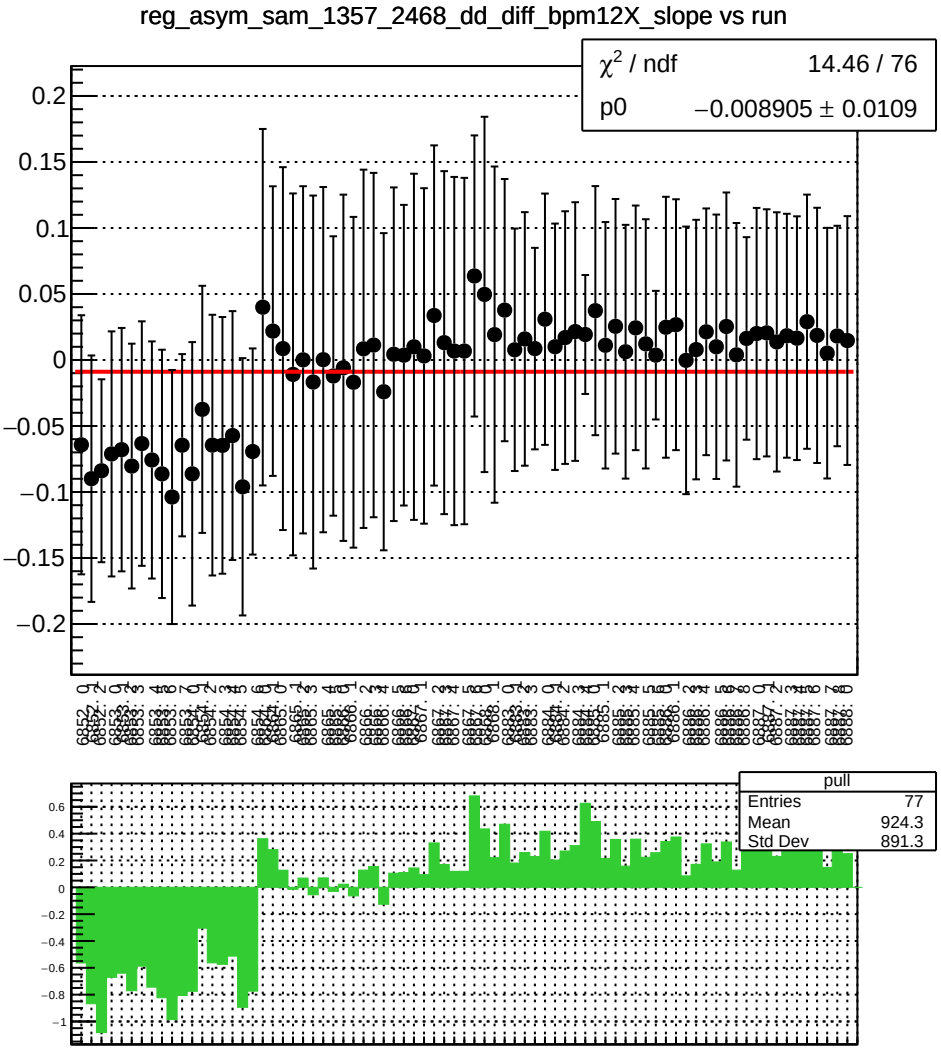


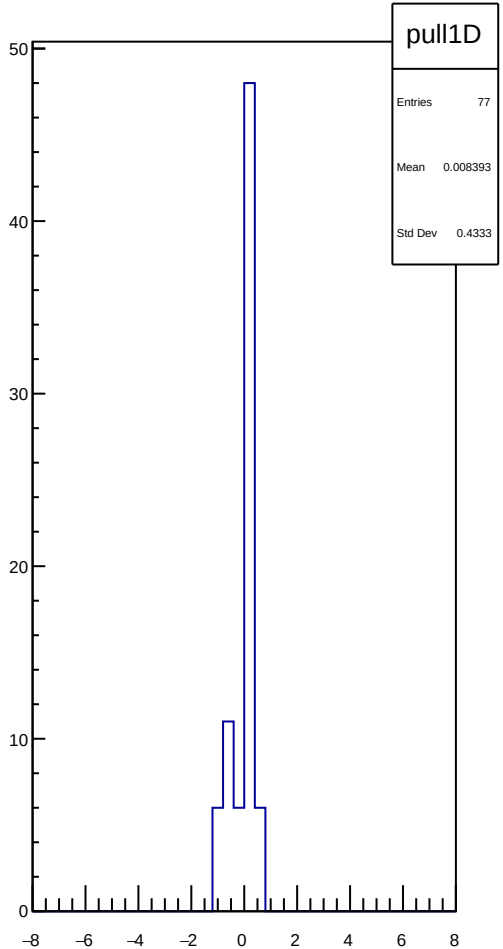


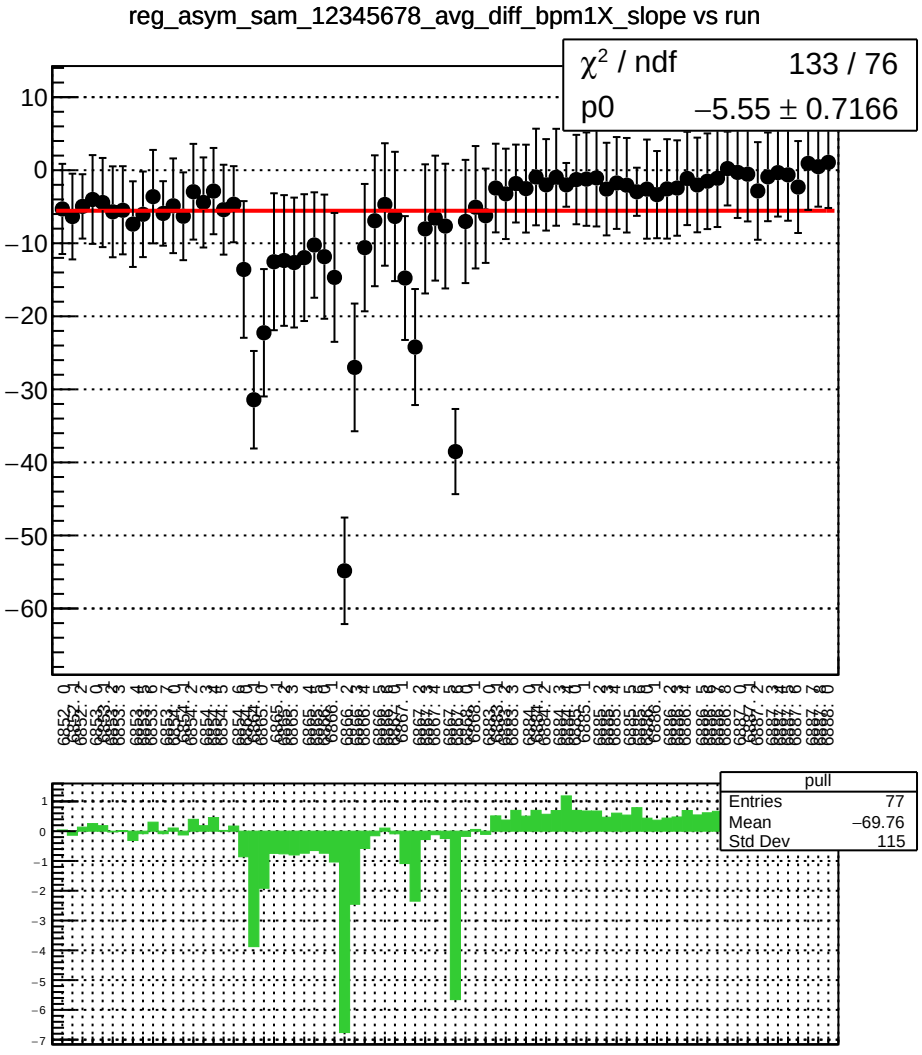
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

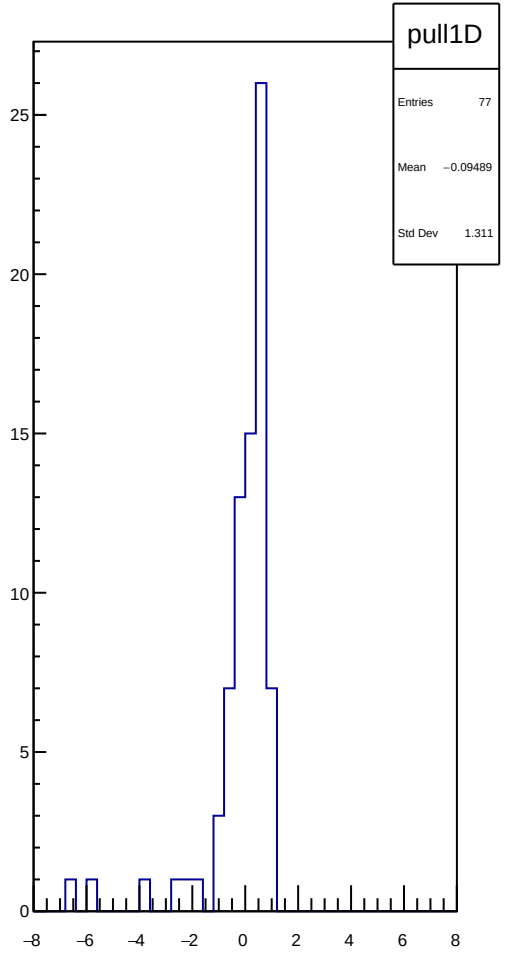




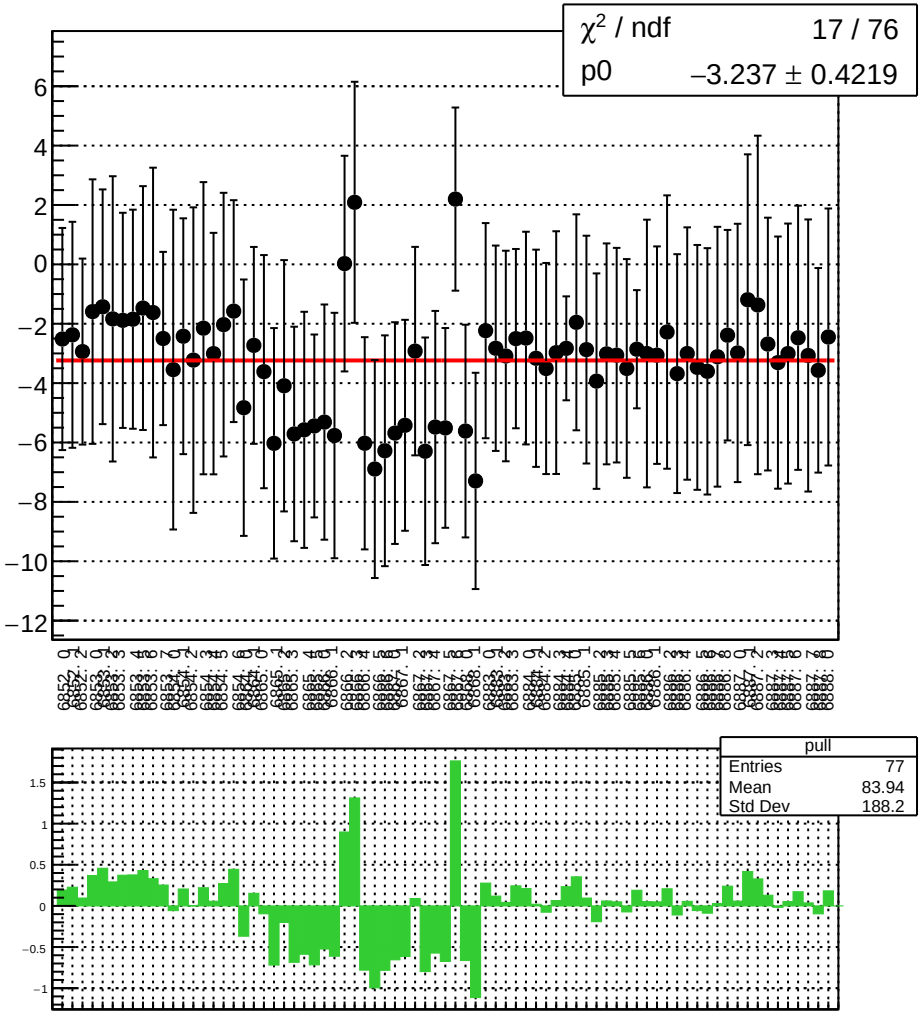

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 14.46 / 76
p0 −0.008905 ± 0.0109
pull
Entries 77
Mean 924.3
Std Dev 891.3

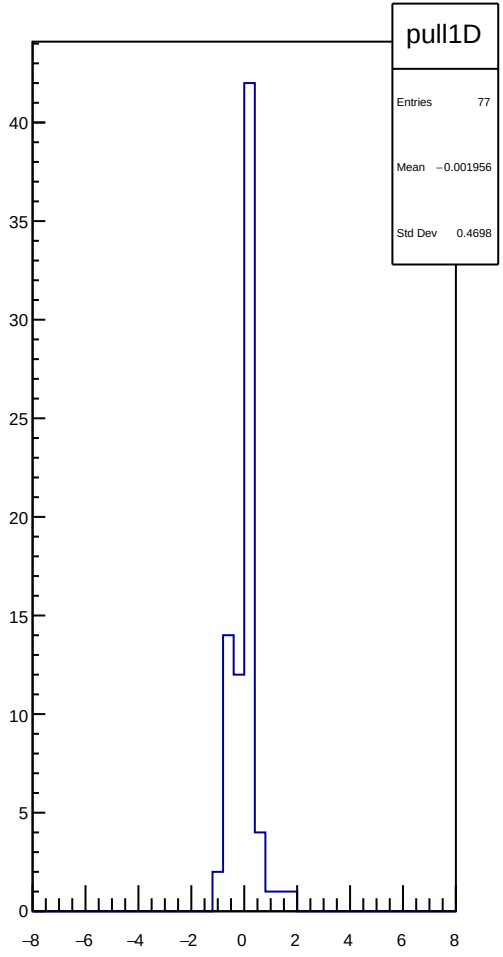

pull1D
Entries 77
Mean 0.008393
Std Dev 0.4333

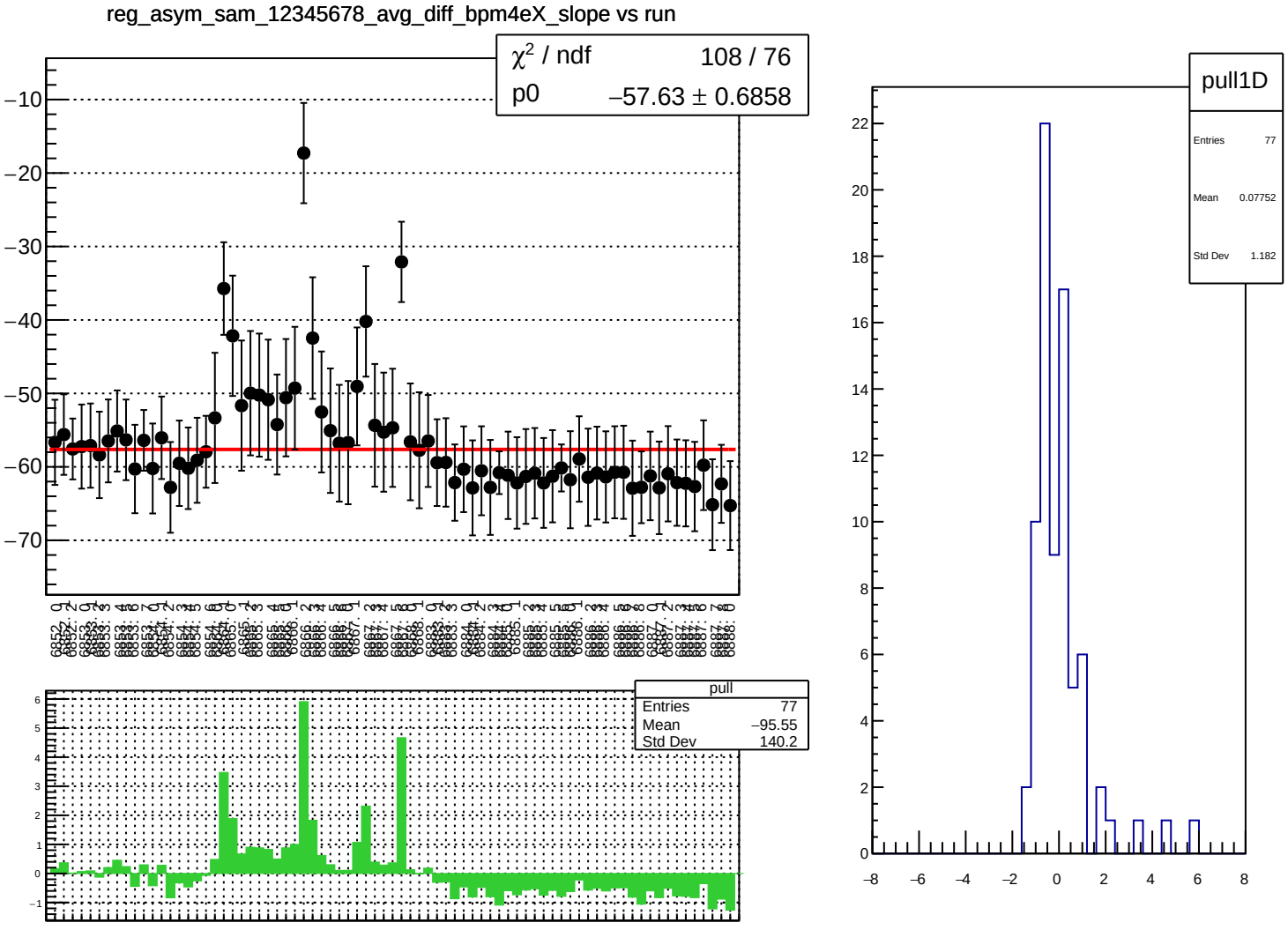

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 133 / 76
p0 −5.55 ± 0.7166
pull
Entries 77
Mean −69.76
Std Dev 115


pull1D
Entries 77
Mean −0.09489
Std Dev 1.311

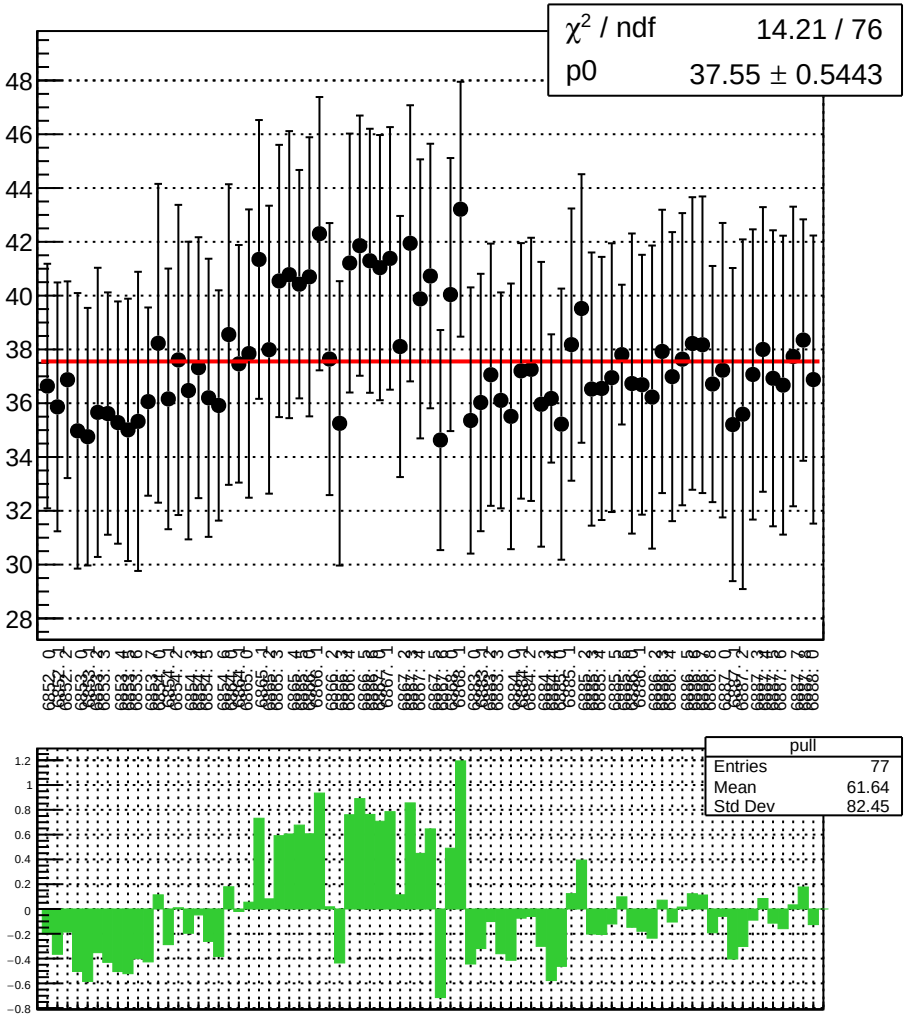
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

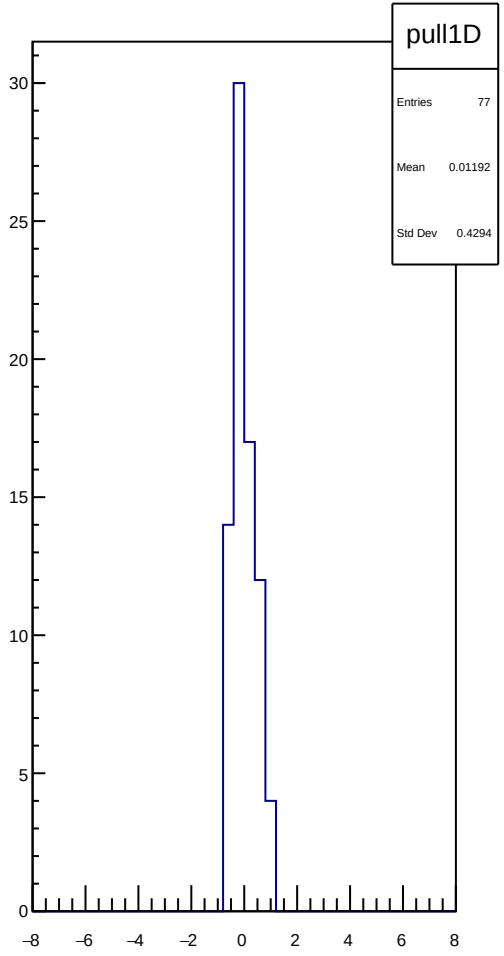


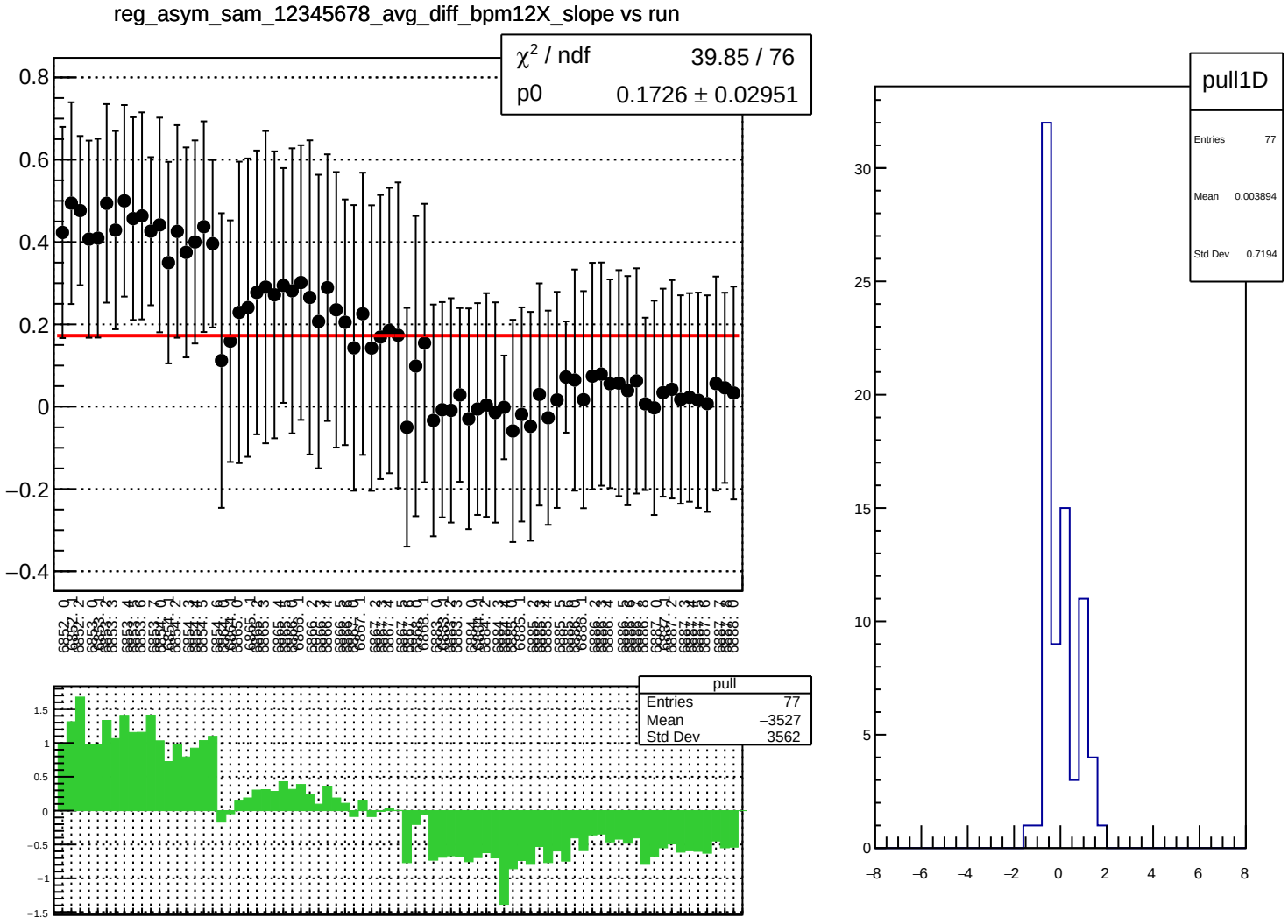


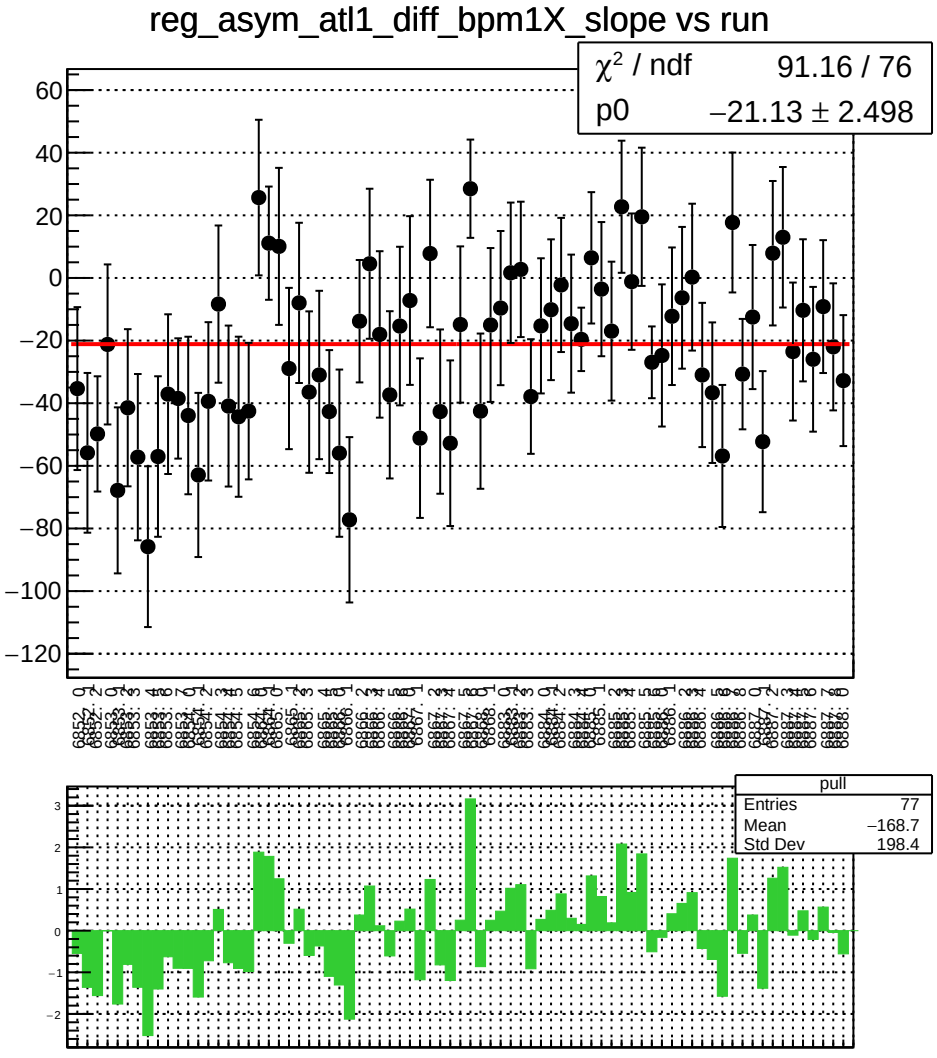

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 108 / 76
p0 −57.63 ± 0.6858
pull
Entries 77
Mean −95.55
Std Dev 140.2
pull1D
Entries 77
Mean 0.07752
Std Dev 1.182

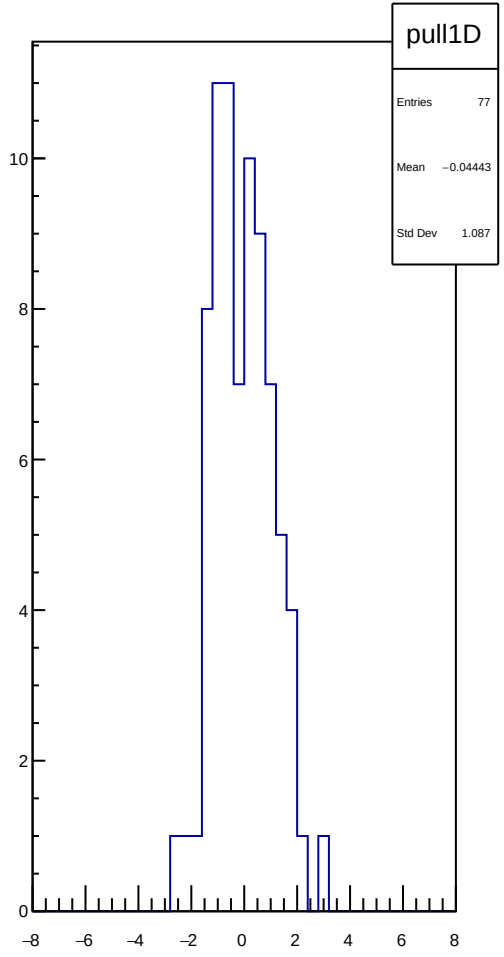
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

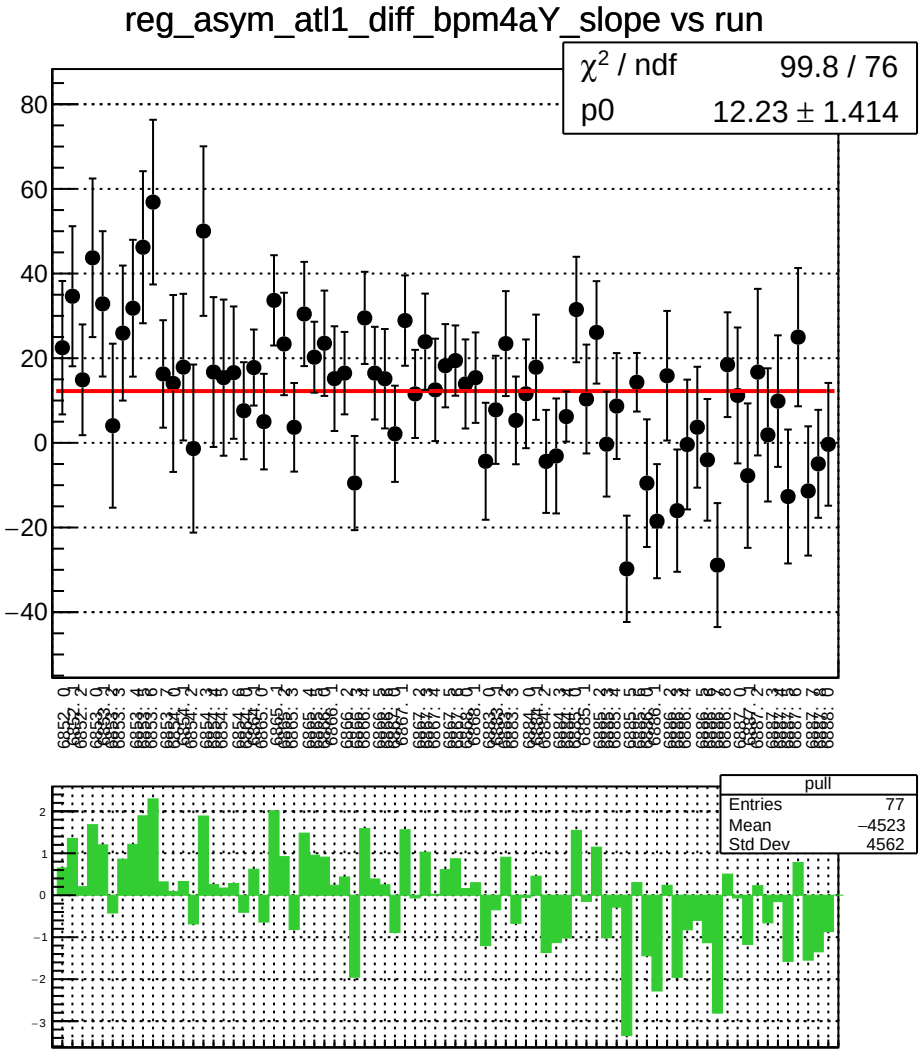


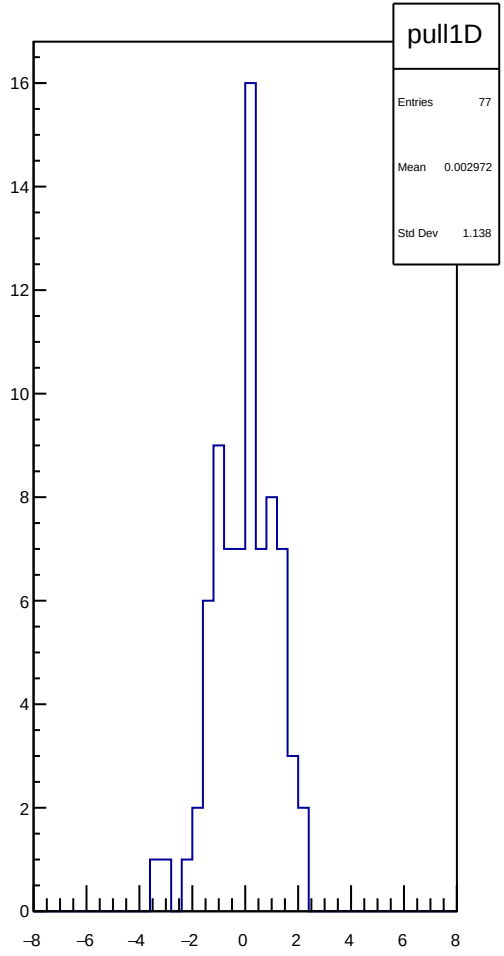


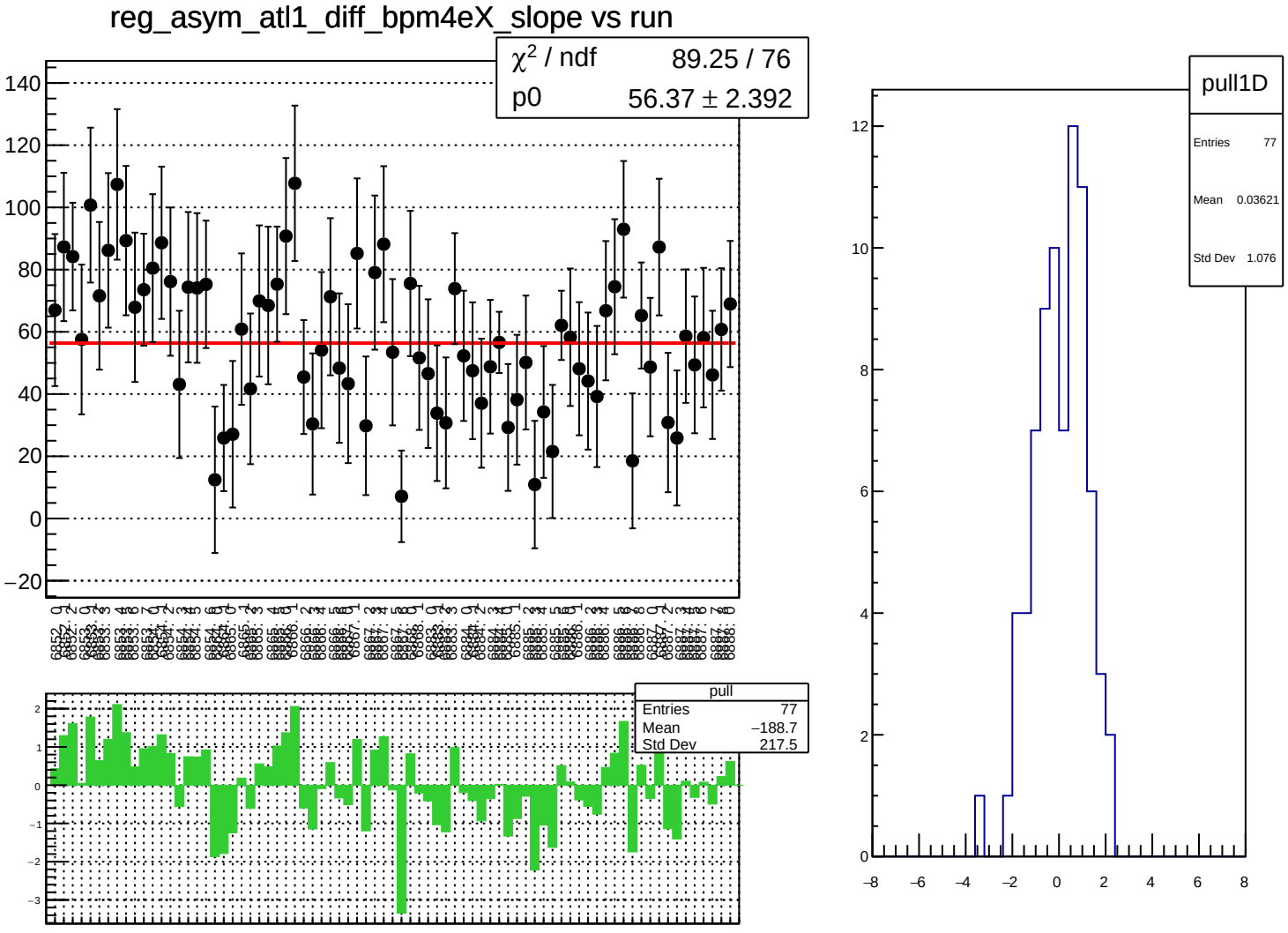

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 39.85 / 76
p0 0.1726 ± 0.02951
pull
Entries 77
Mean −3527
Std Dev 3562
pull1D
Entries 77
Mean 0.003894
Std Dev 0.7194

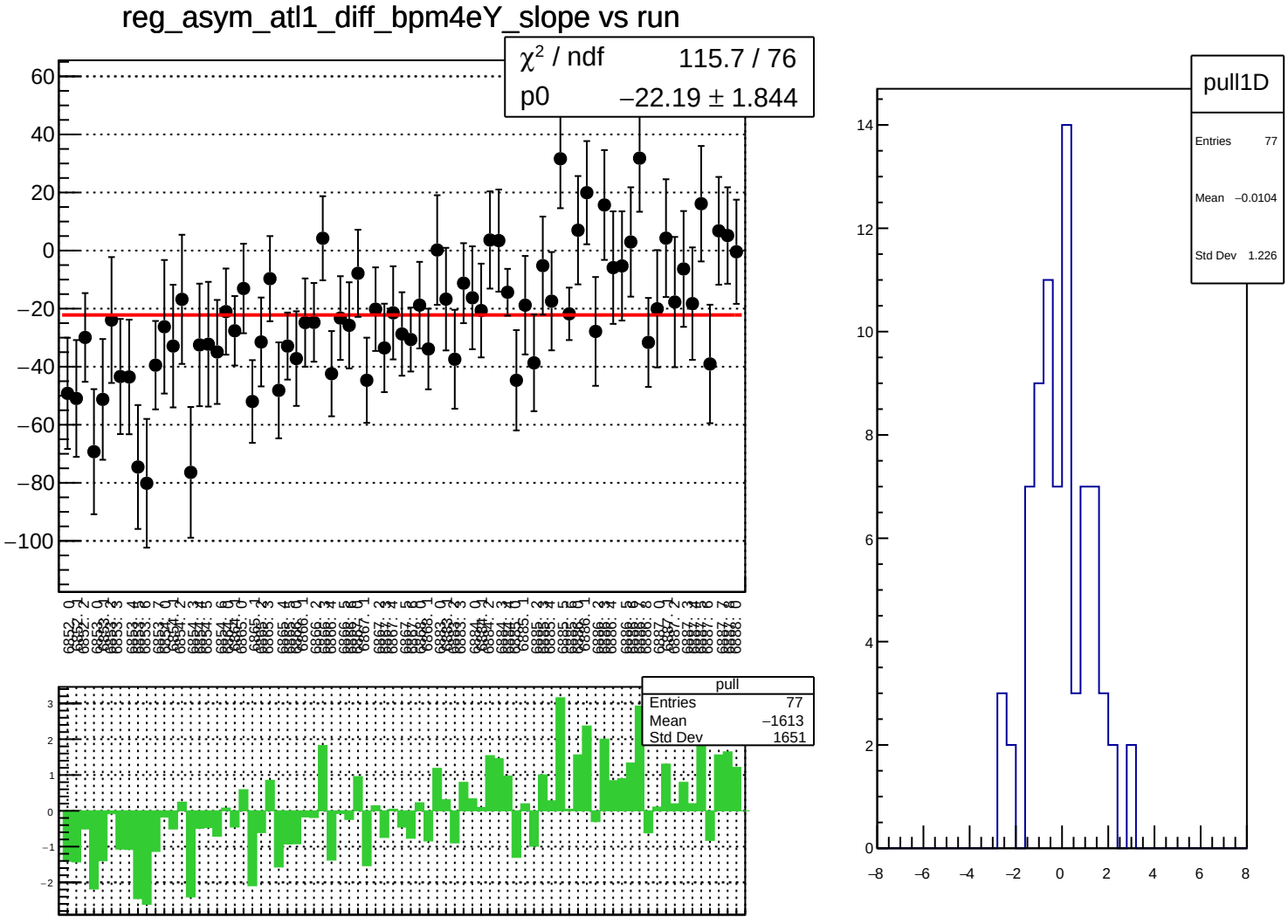

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 91.16 / 76
p0 −21.13 ± 2.498
pull
Entries 77
Mean −168.7
Std Dev 198.4

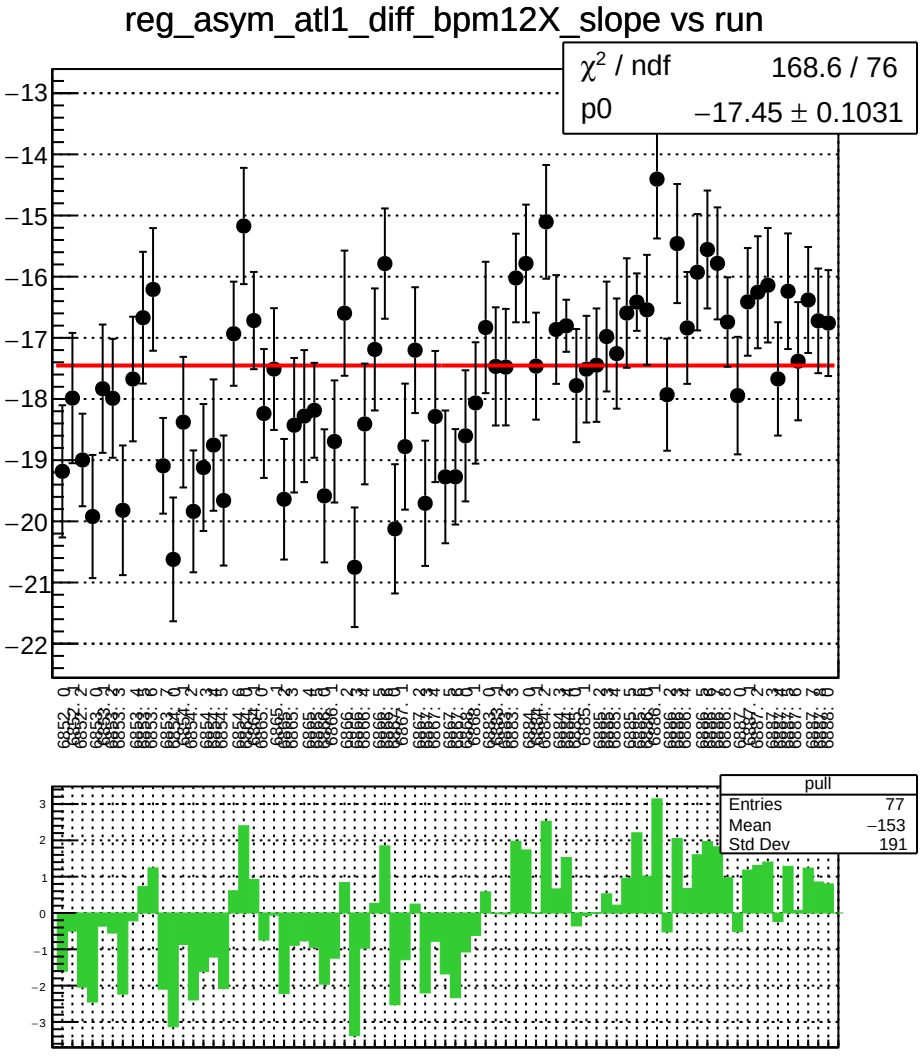

pull1D
Entries 77
Mean −0.04443
Std Dev 1.087

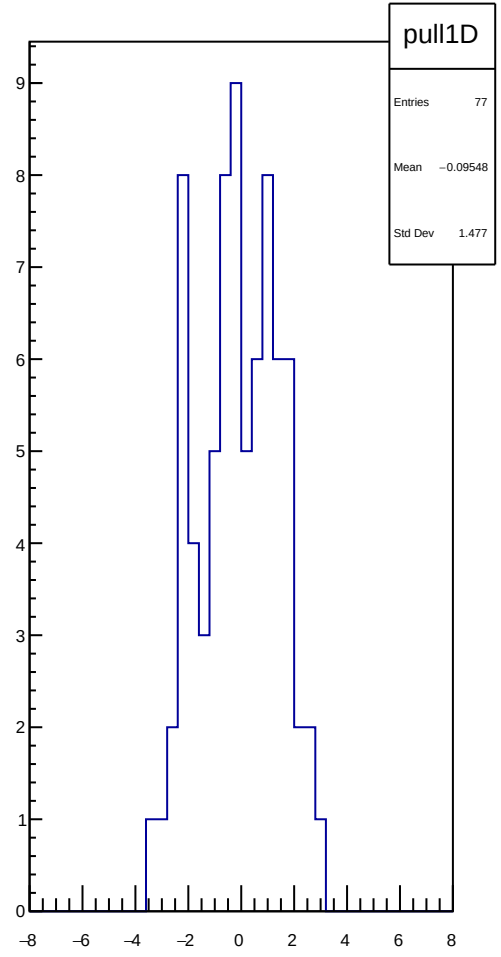

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 99.8 / 76
p0 12.23 ± 1.414
pull
Entries 77
Mean −4523
Std Dev 4562

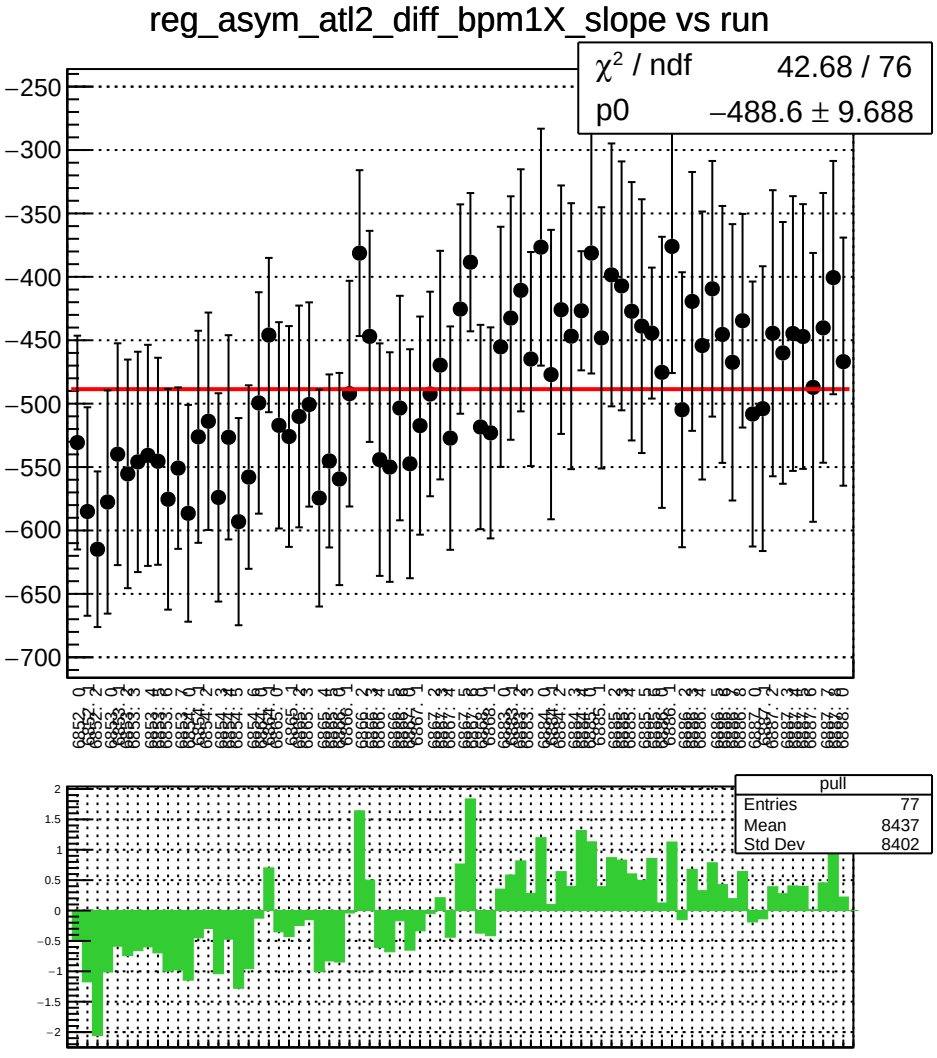

pull1D
Entries 77
Mean 0.002972
Std Dev 1.138

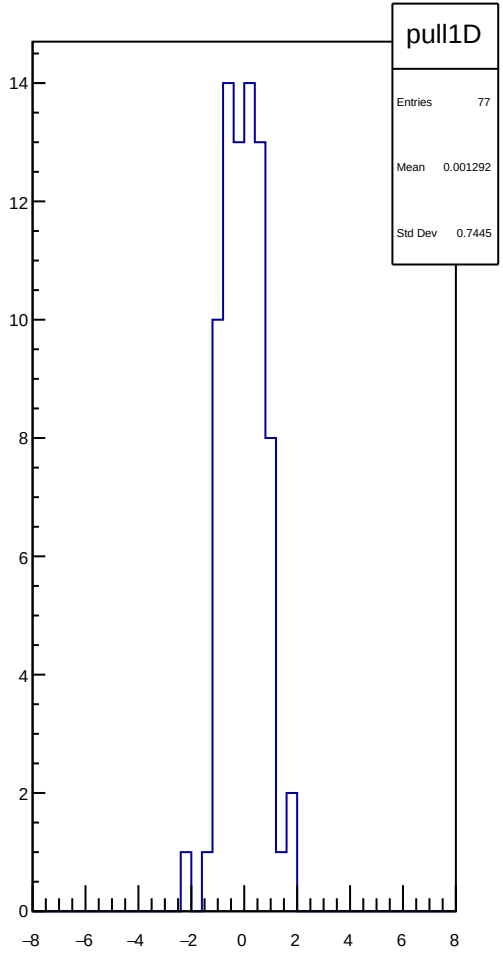

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 89.25 / 76
p0 56.37 ± 2.392
pull
Entries 77
Mean −188.7
Std Dev 217.5
pull1D
Entries 77
Mean 0.03621
Std Dev 1.076

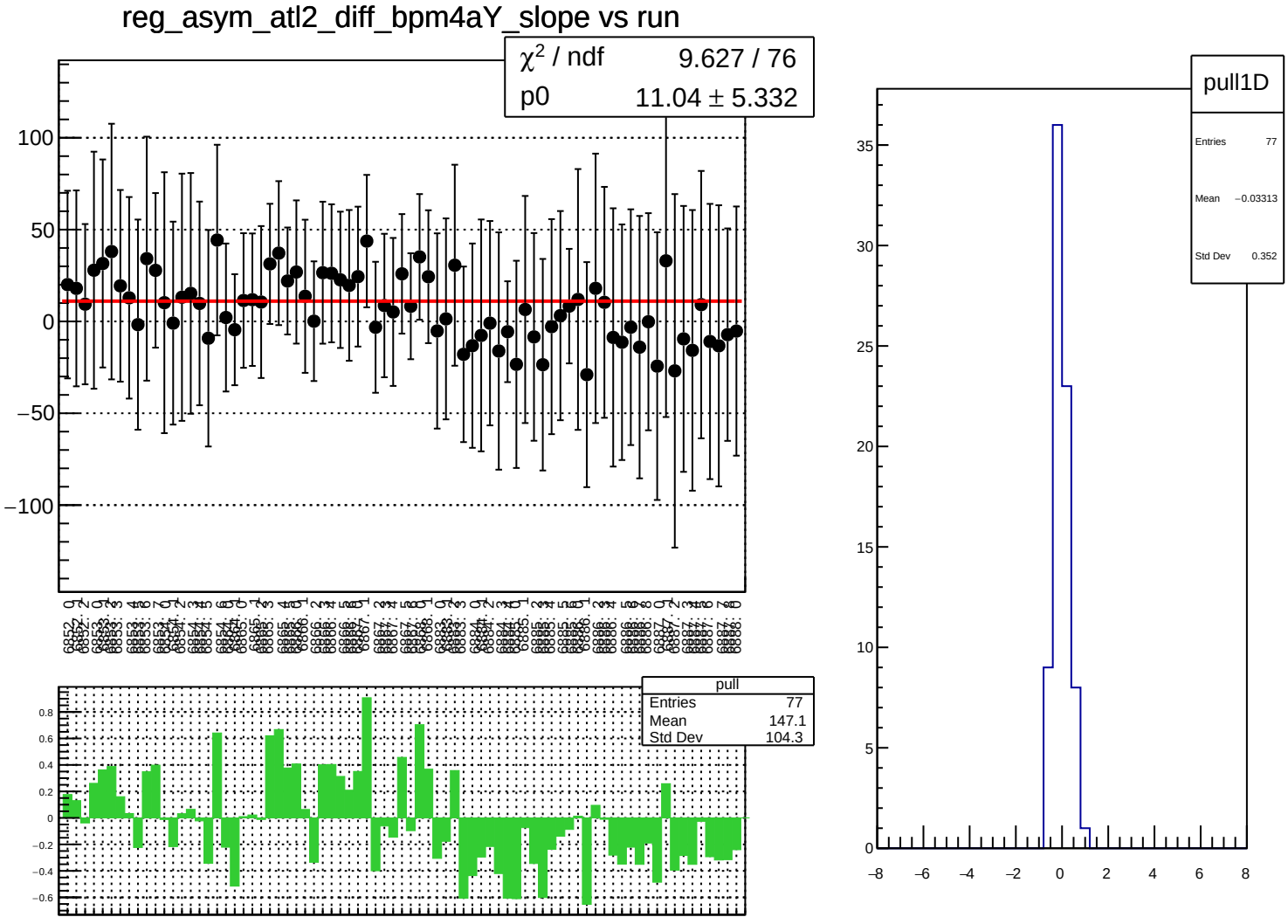

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 115.7 / 76
p0 −22.19 ± 1.844
pull
Entries 77
Mean −1613
Std Dev 1651
pull1D
Entries 77
Mean −0.0104
Std Dev 1.226

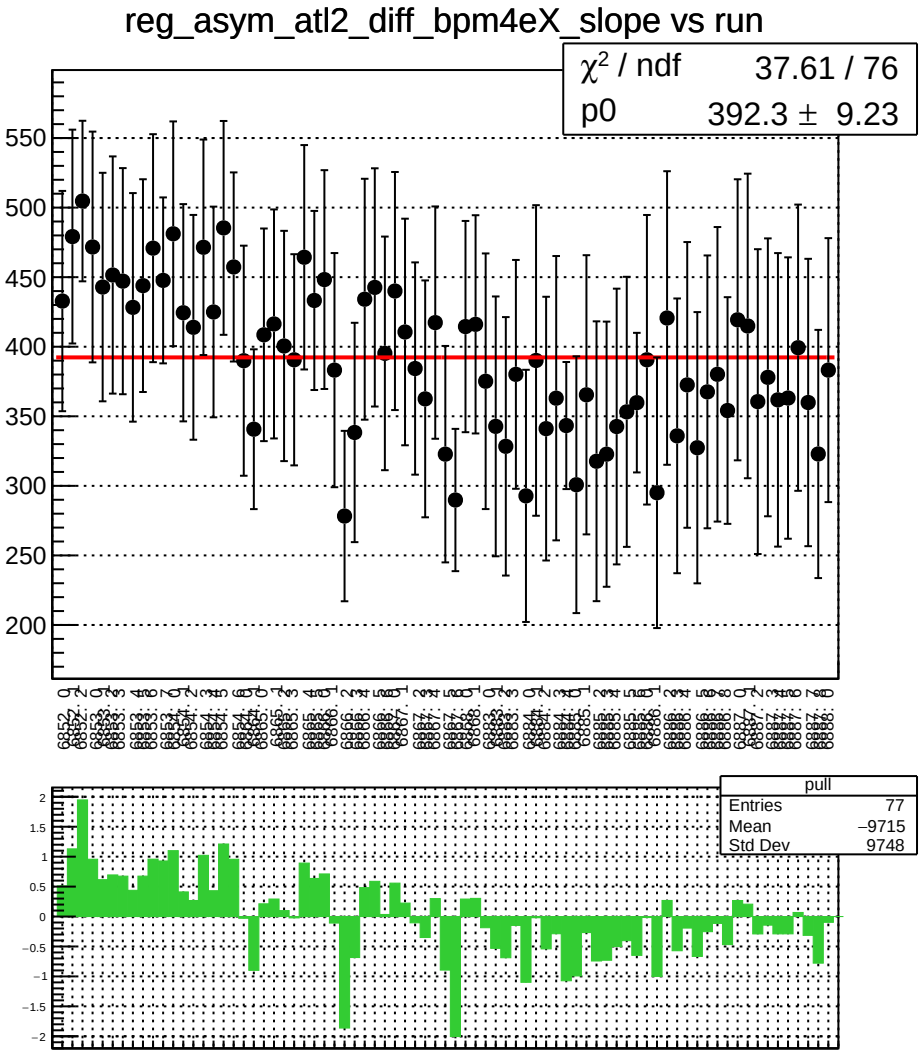

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 168.6 / 76
p0 −17.45 ± 0.1031
pull
Entries 77
Mean −153
Std Dev 191

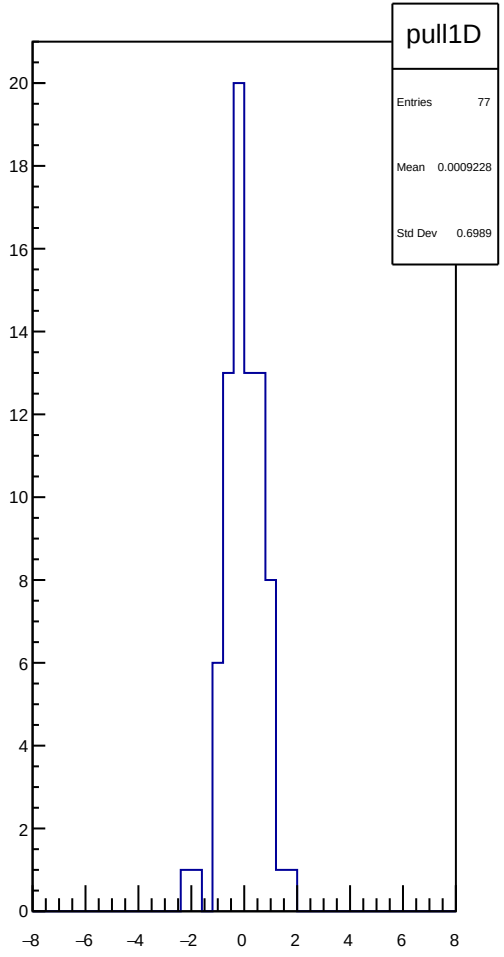

pull1D
Entries 77
Mean −0.09548
Std Dev 1.477

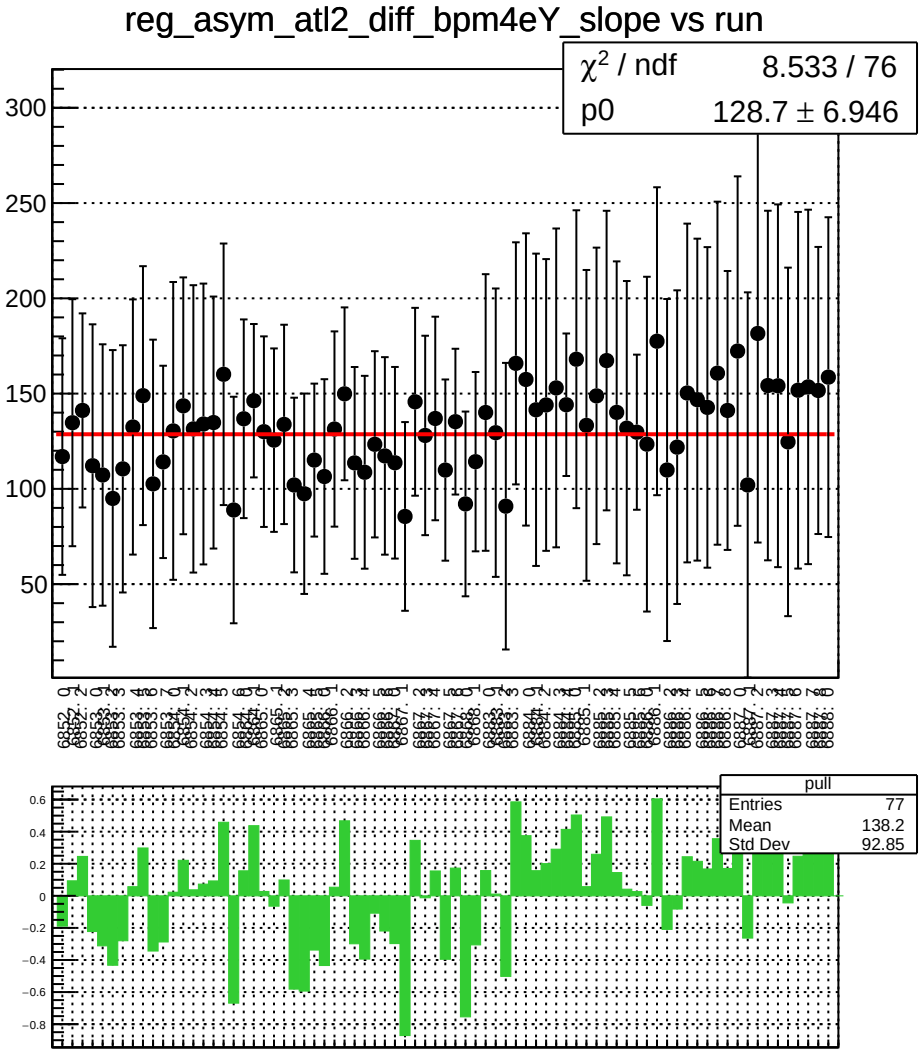

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 42.68 / 76
p0 −488.6 ± 9.688
pull
Entries 77
Mean 8437
Std Dev 8402

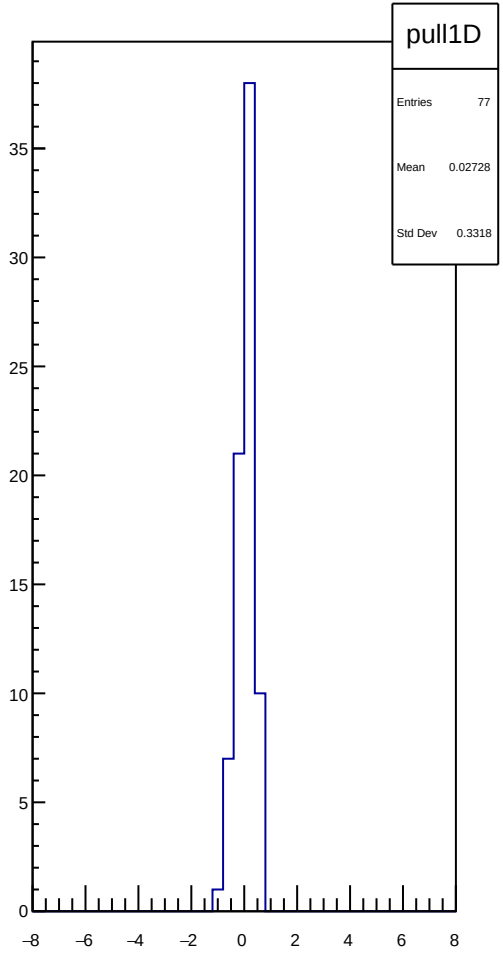

pull1D
Entries 77
Mean 0.001292
Std Dev 0.7445

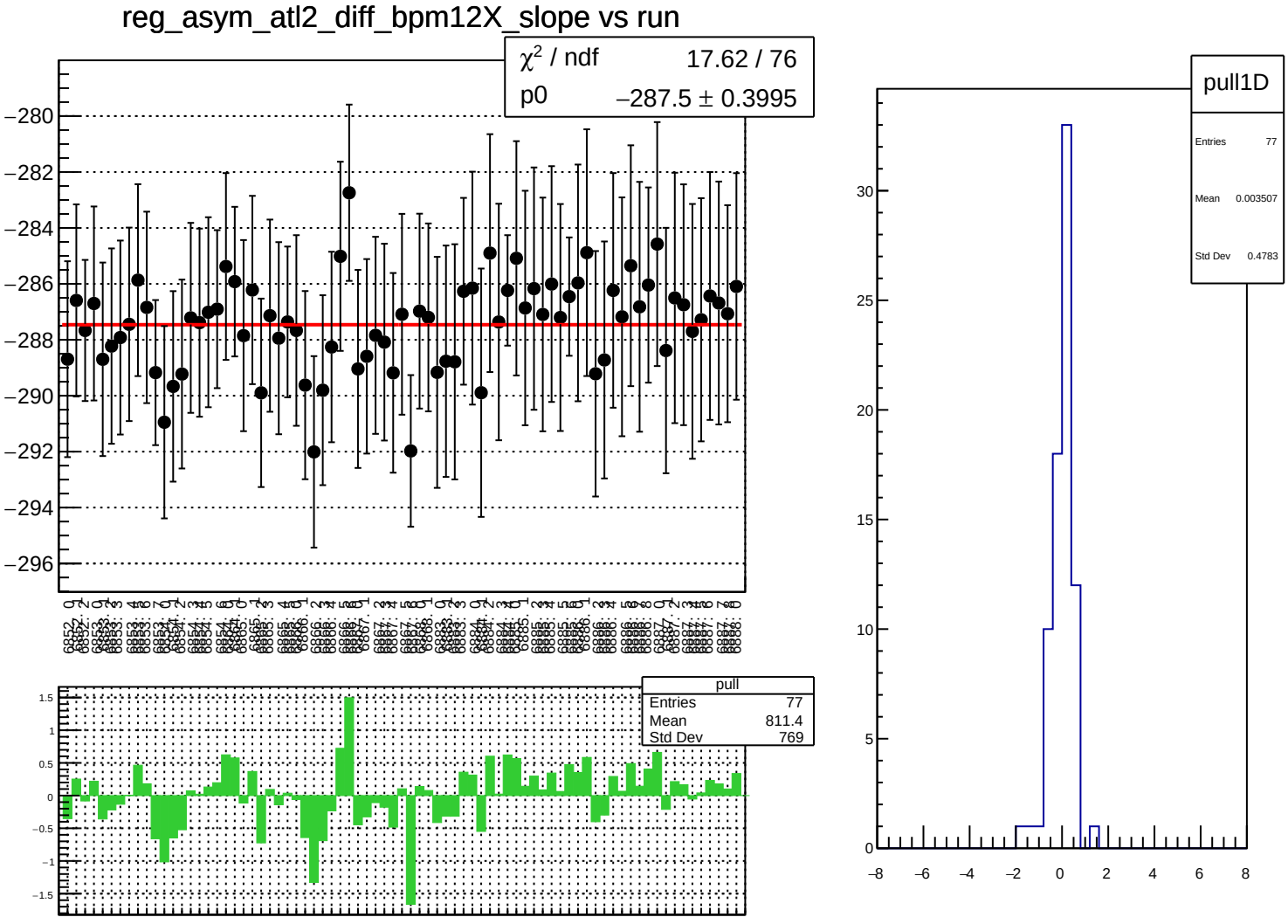

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.627 / 76
p0 11.04 ± 5.332
pull
Entries 77
Mean 147.1
Std Dev 104.3
pull1D
Entries 77
Mean −0.03313
Std Dev 0.352

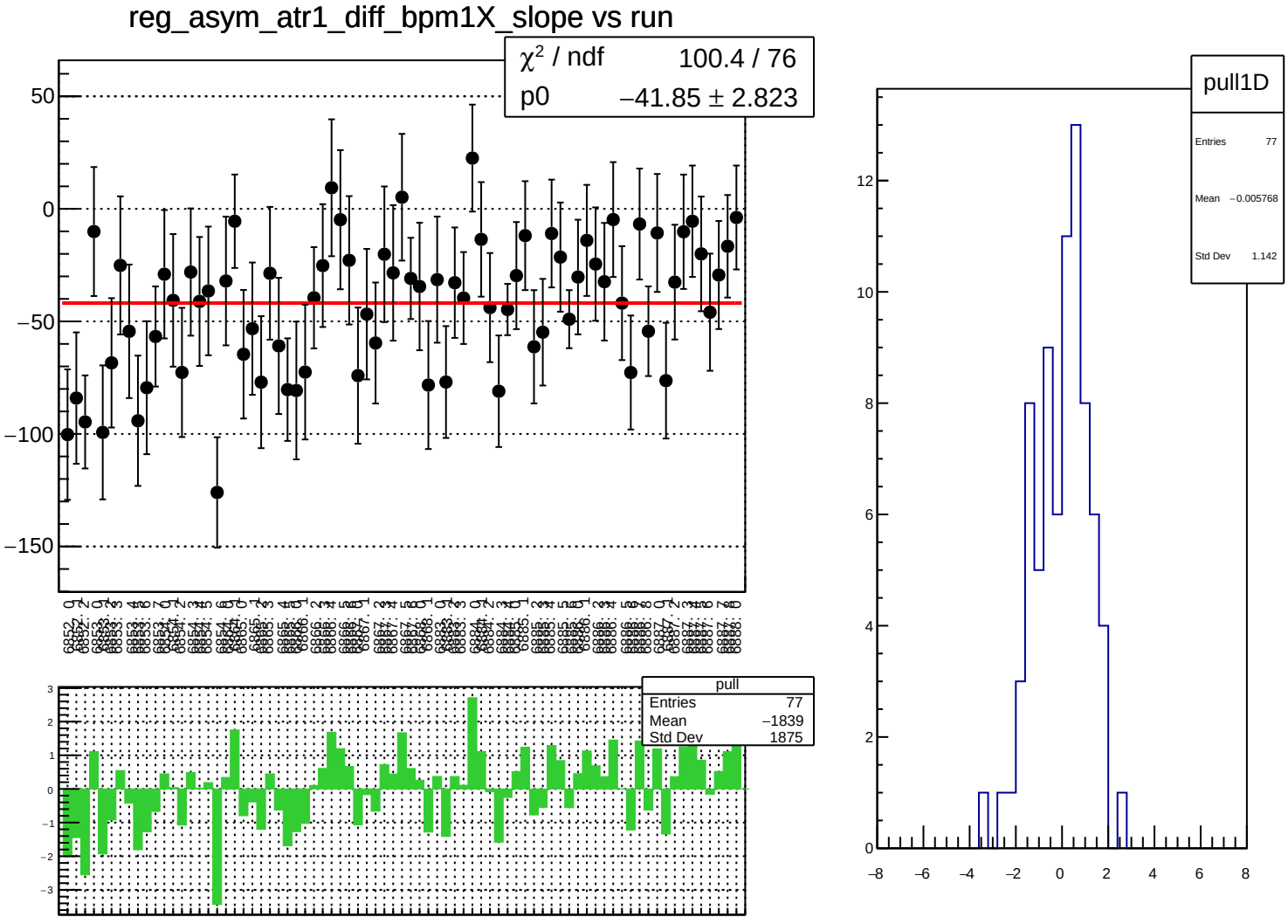

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 37.61 / 76
p0 392.3 ± 9.23
pull
Entries 77
Mean −9715
Std Dev 9748

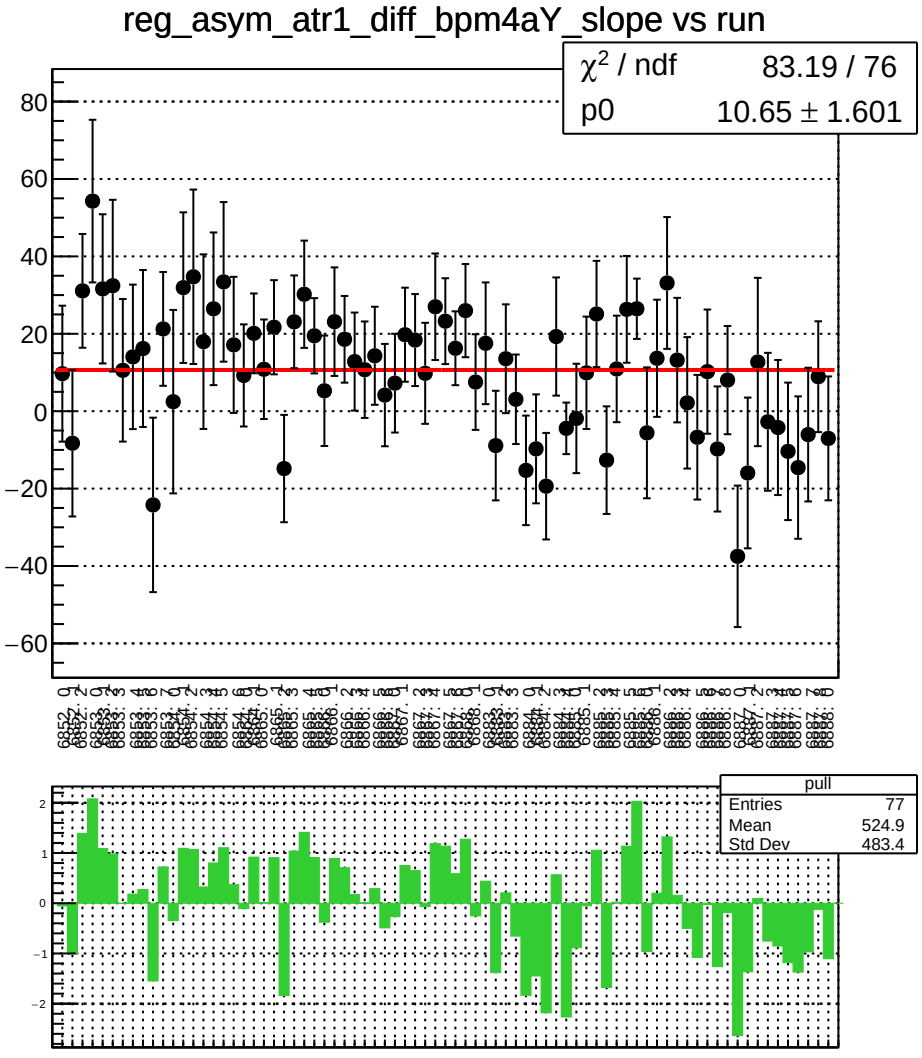

pull1D
Entries 77
Mean 0.0009228
Std Dev 0.6989

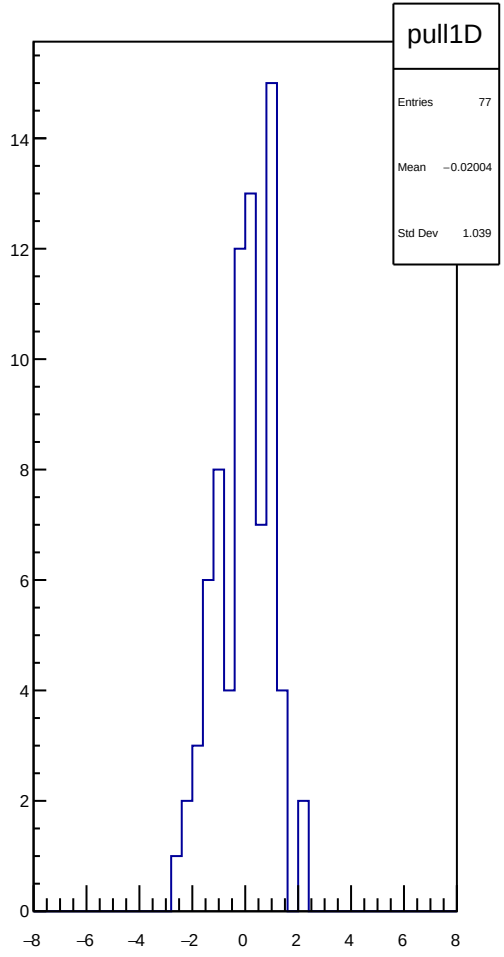

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 8.533 / 76
p0 128.7 ± 6.946
pull
Entries 77
Mean 138.2
Std Dev 92.85

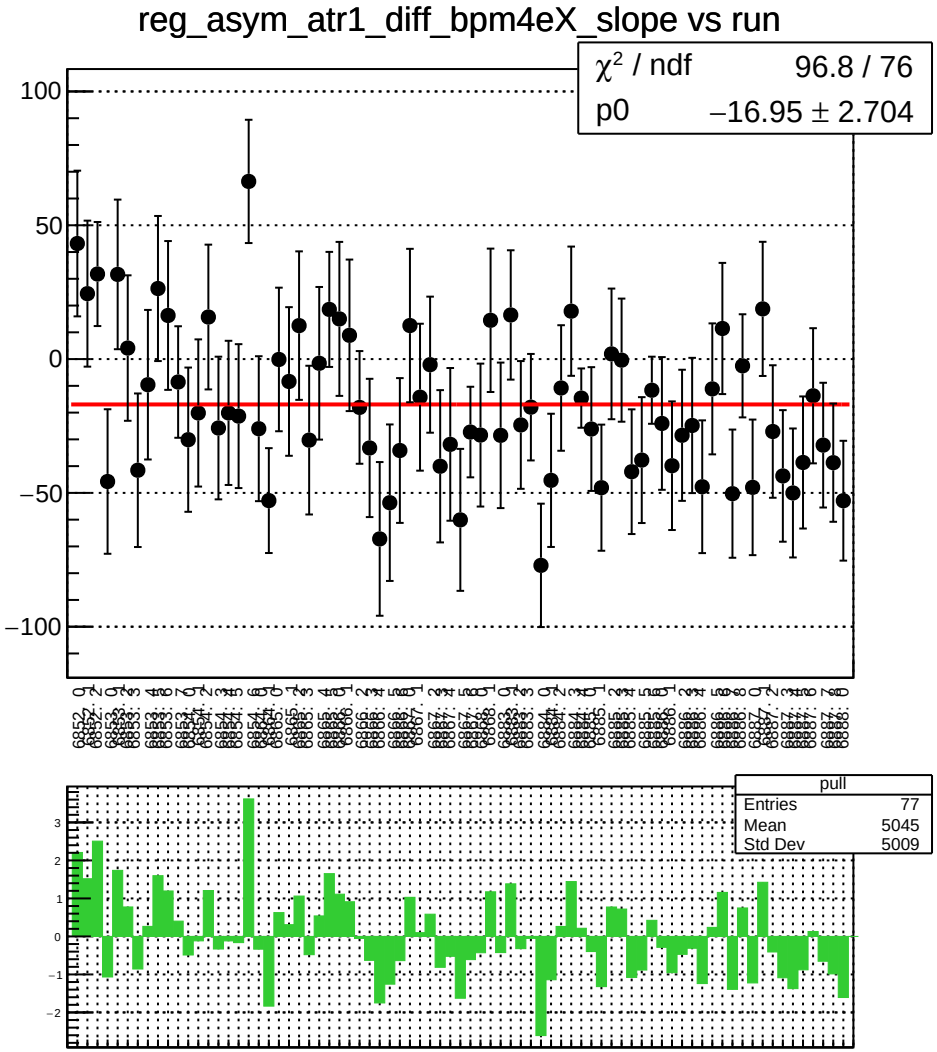

pull1D
Entries 77
Mean 0.02728
Std Dev 0.3318

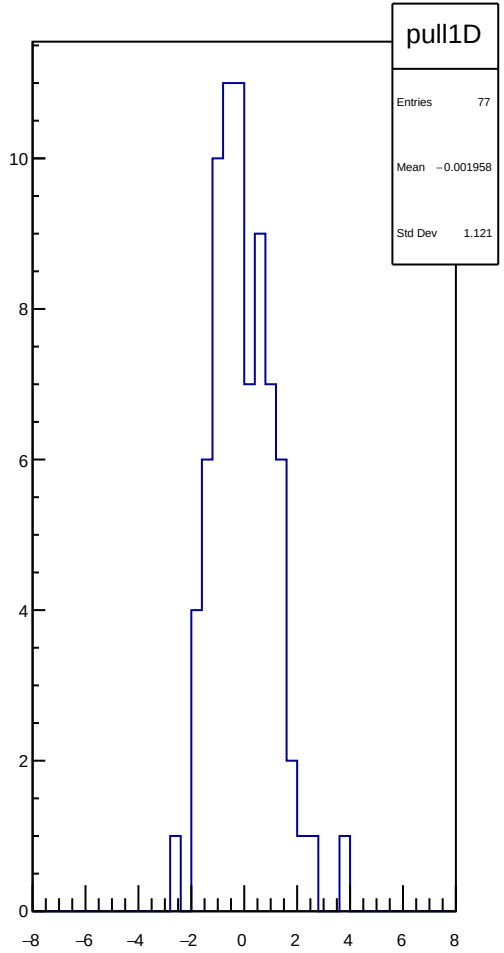

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 17.62 / 76
p0 −287.5 ± 0.3995
pull
Entries 77
Mean 811.4
Std Dev 769
pull1D
Entries 77
Mean 0.003507
Std Dev 0.4783

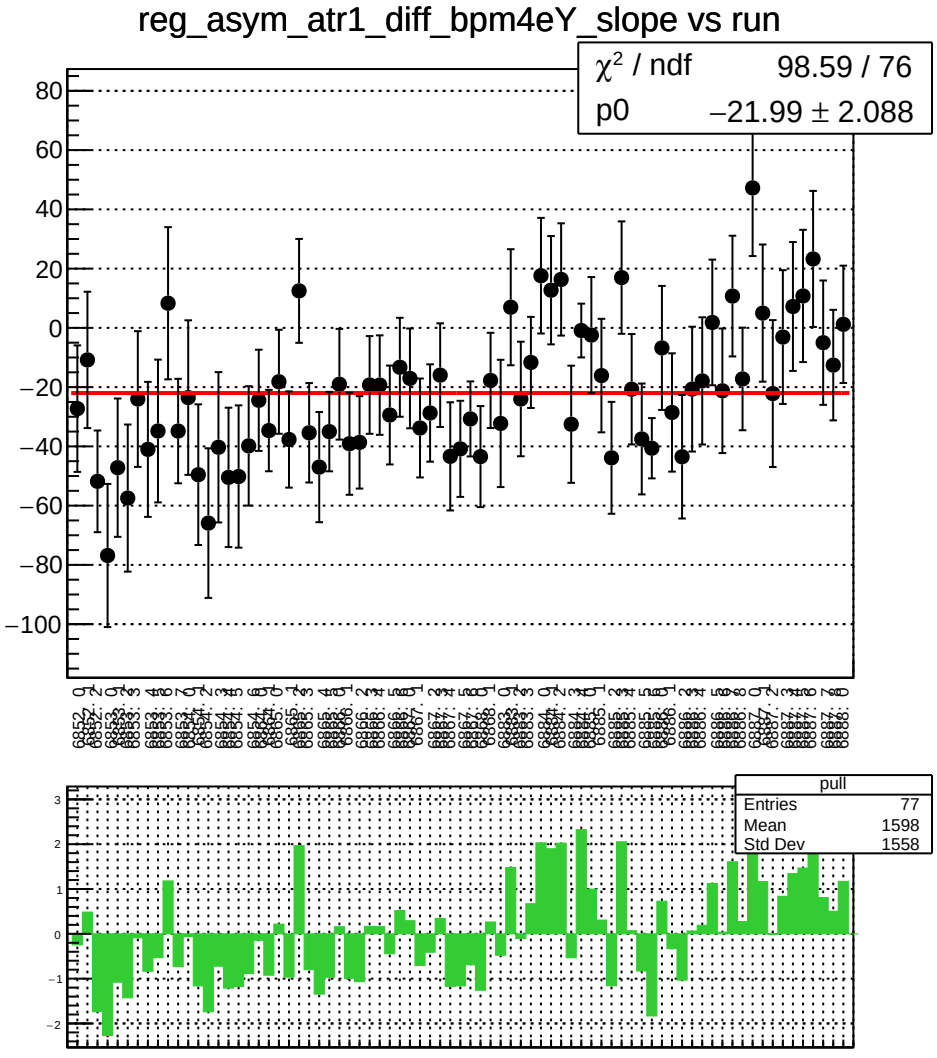

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 100.4 / 76
p0 −41.85 ± 2.823
pull
Entries 77
Mean −1839
Std Dev 1875
pull1D
Entries 77
Mean −0.005768
Std Dev 1.142

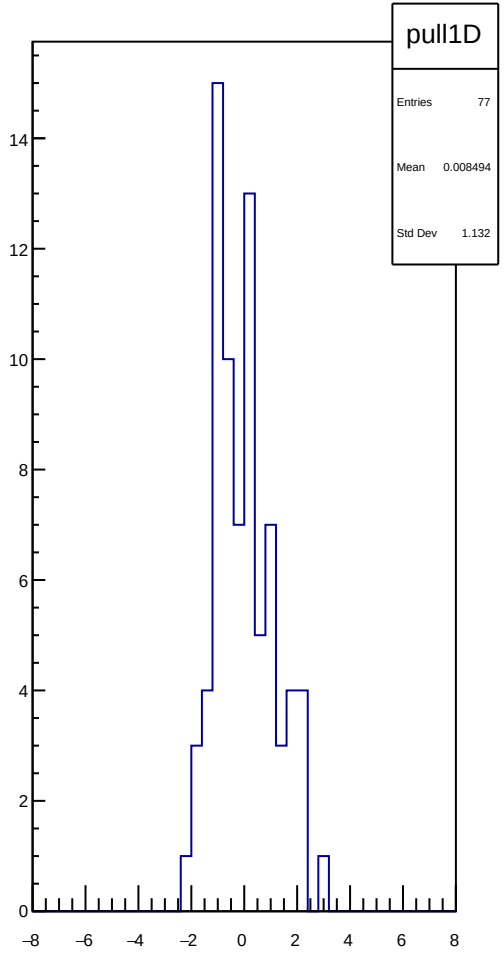

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 83.19 / 76
p0 10.65 ± 1.601
pull
Entries 77
Mean 524.9
Std Dev 483.4

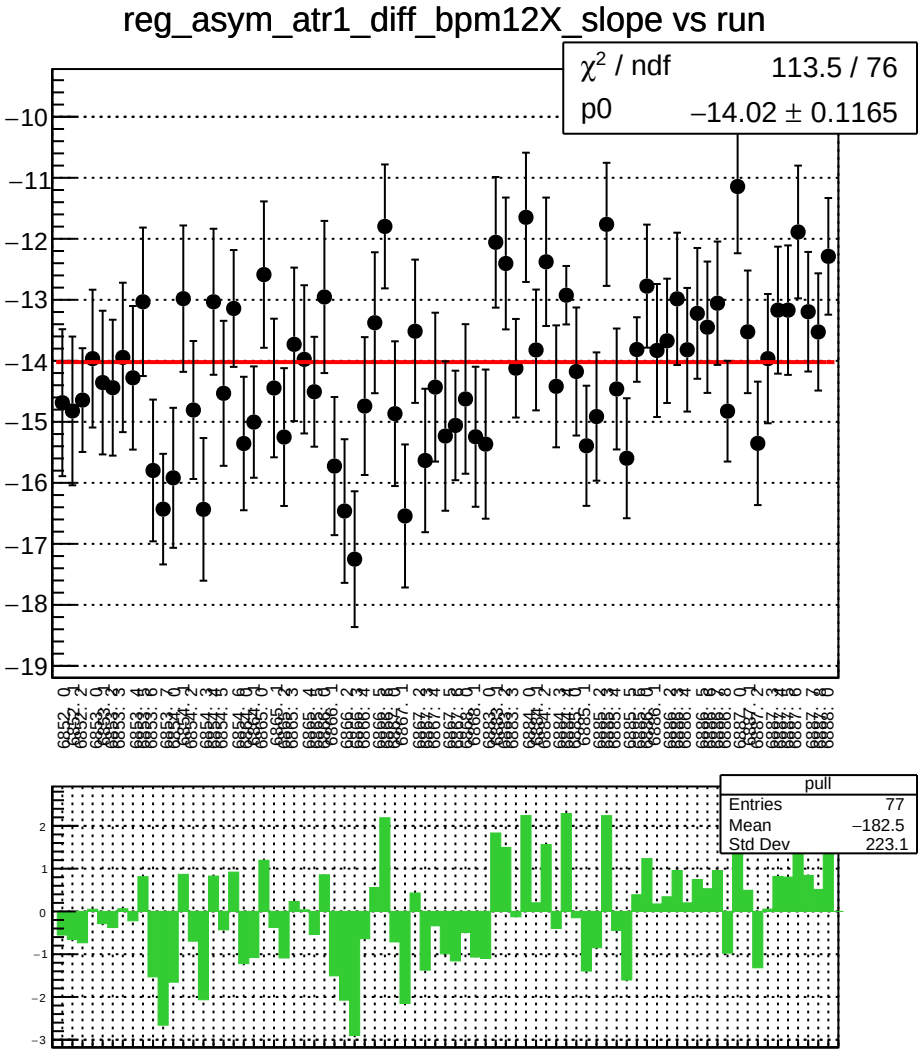

pull1D
Entries 77
Mean −0.02004
Std Dev 1.039

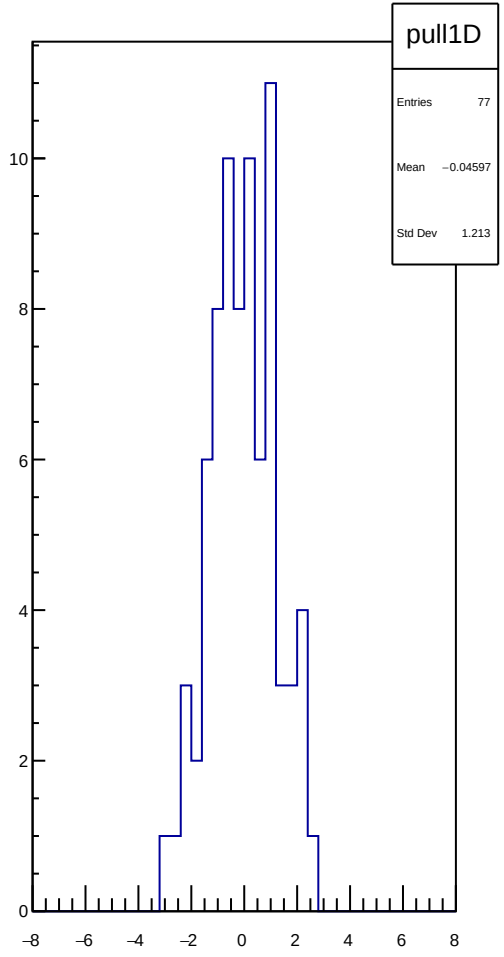

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 96.8 / 76
p0 −16.95 ± 2.704
100
50
0
−50
−100
pull
Entries 77
Mean 5045
Std Dev 5009
3
2
1
0
−1
−2

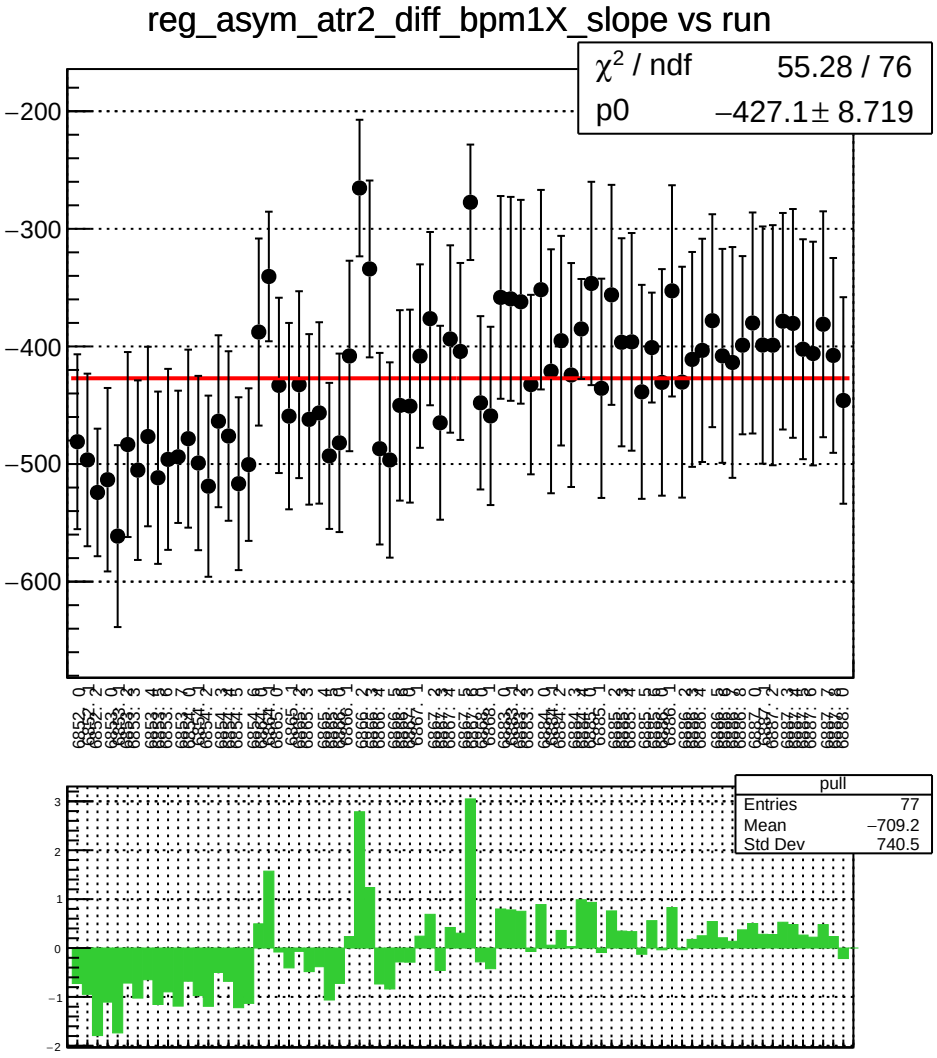

pull1D
Entries 77
Mean −0.001958
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

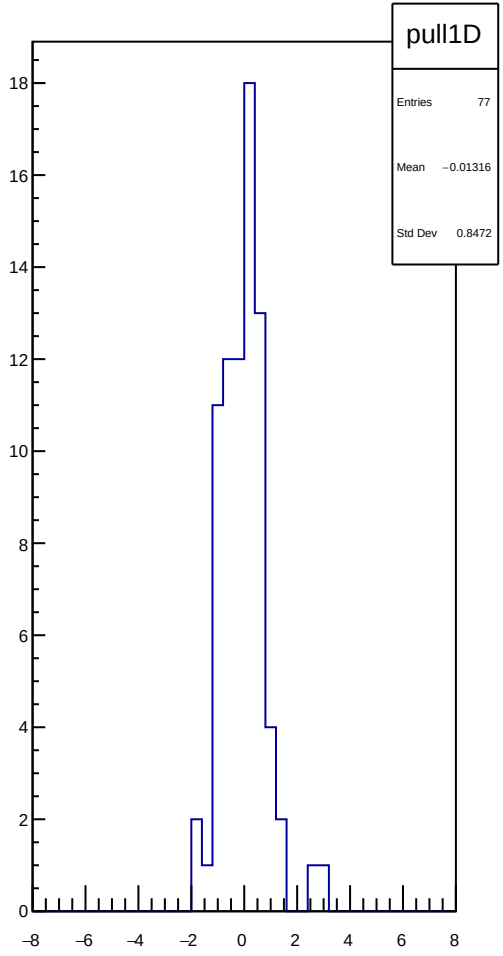

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 98.59 / 76
p0 −21.99 ± 2.088
pull
Entries 77
Mean 1598
Std Dev 1558

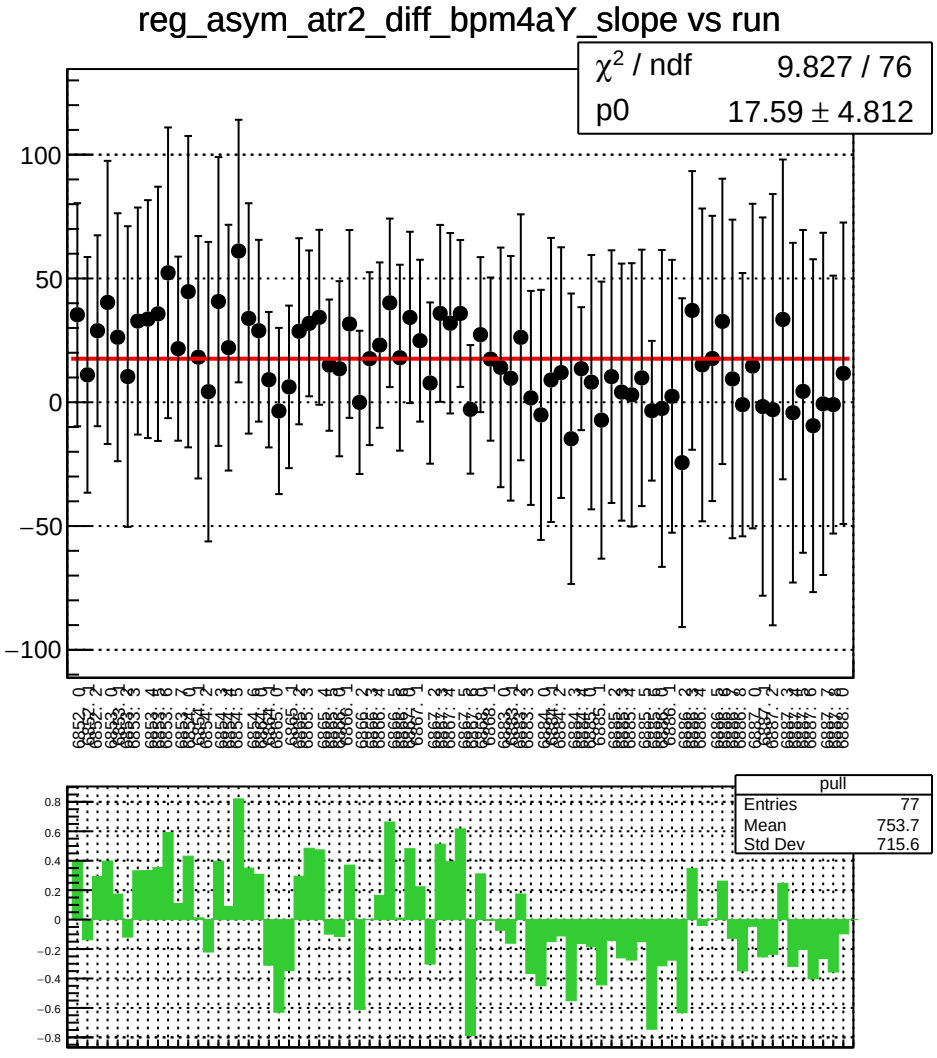

pull1D
Entries 77
Mean 0.008494
Std Dev 1.132

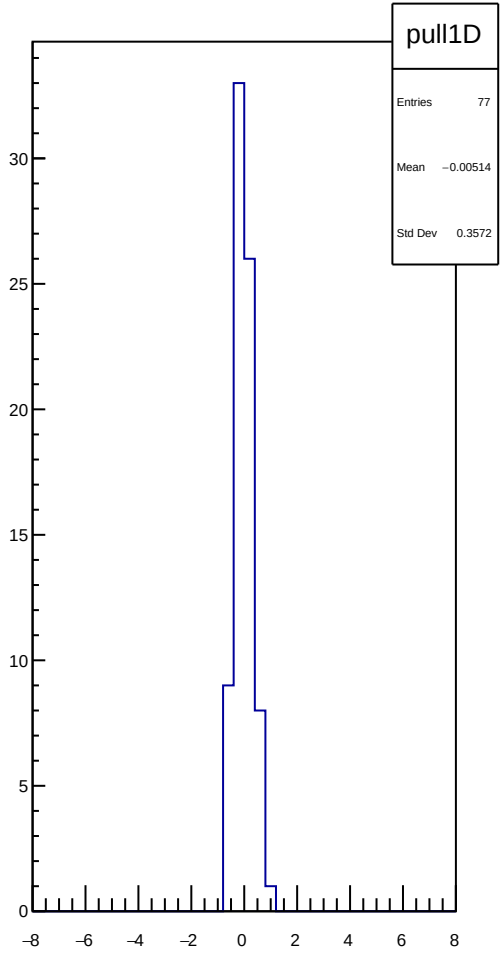

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 113.5 / 76
p0 −14.02 ± 0.1165
pull
Entries 77
Mean −182.5
Std Dev 223.1

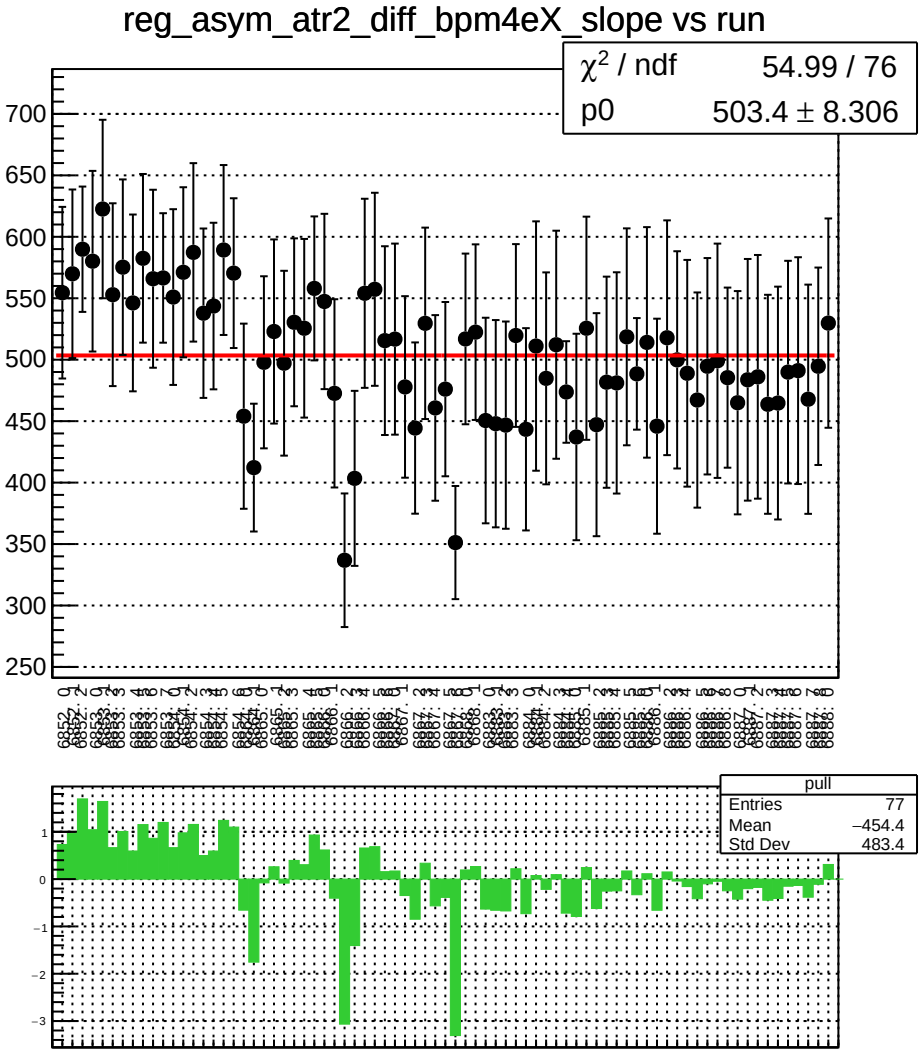

pull1D
Entries 77
Mean −0.04597
Std Dev 1.213

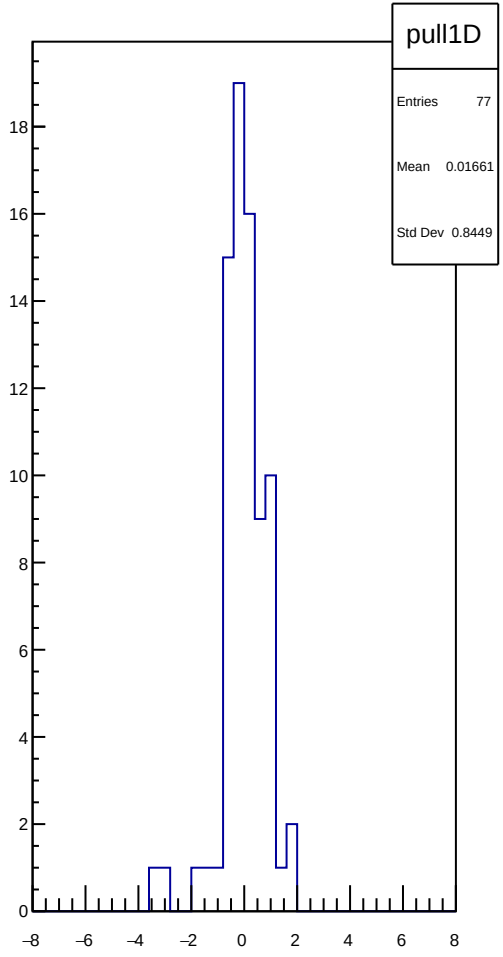

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 55.28 / 76
p0 −427.1 ± 8.719
pull
Entries 77
Mean −709.2
Std Dev 740.5

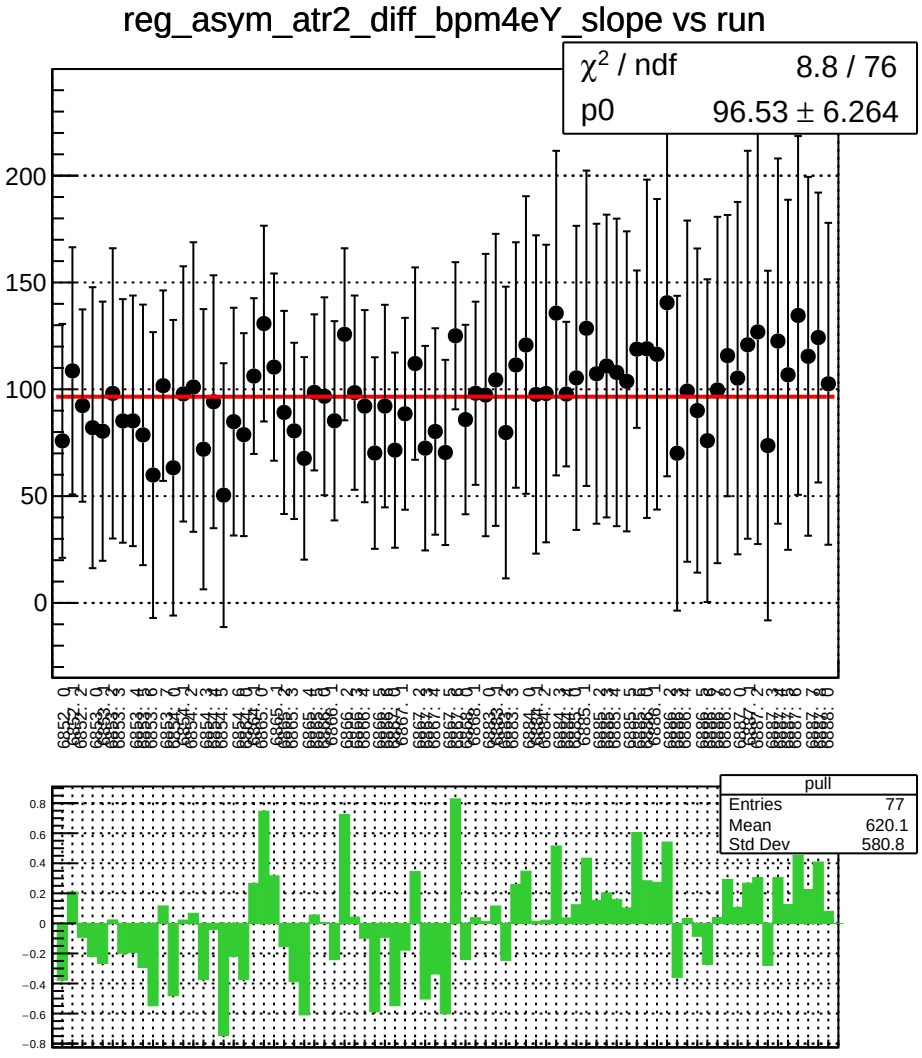

pull1D
Entries 77
Mean −0.01316
Std Dev 0.8472

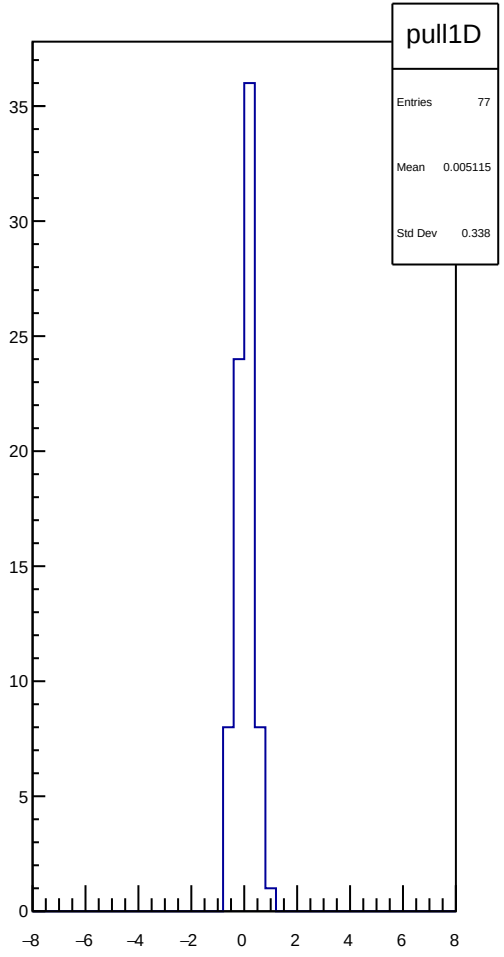

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 9.827 / 76
p0 17.59 ± 4.812
pull
Entries 77
Mean 753.7
Std Dev 715.6

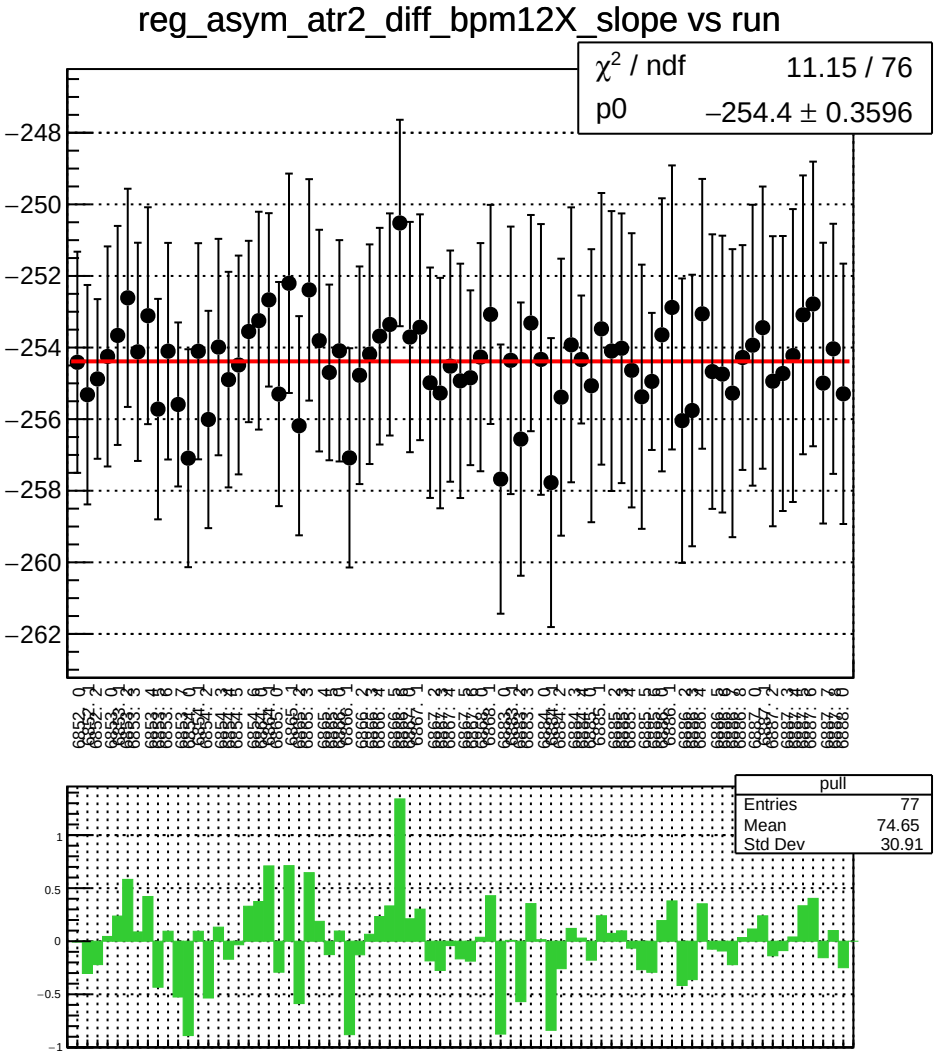

pull1D
Entries 77
Mean −0.00514
Std Dev 0.3572

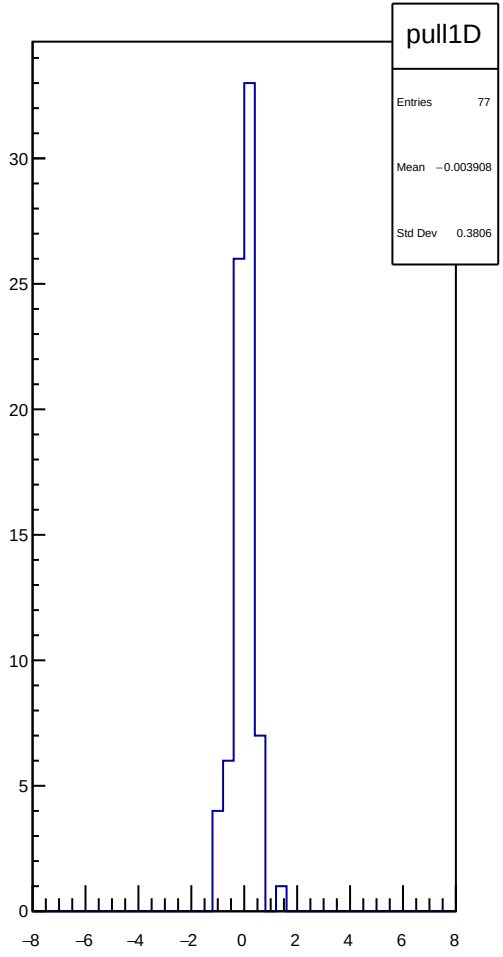

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 54.99 / 76
p0 503.4 ± 8.306
pull
Entries 77
Mean −454.4
Std Dev 483.4

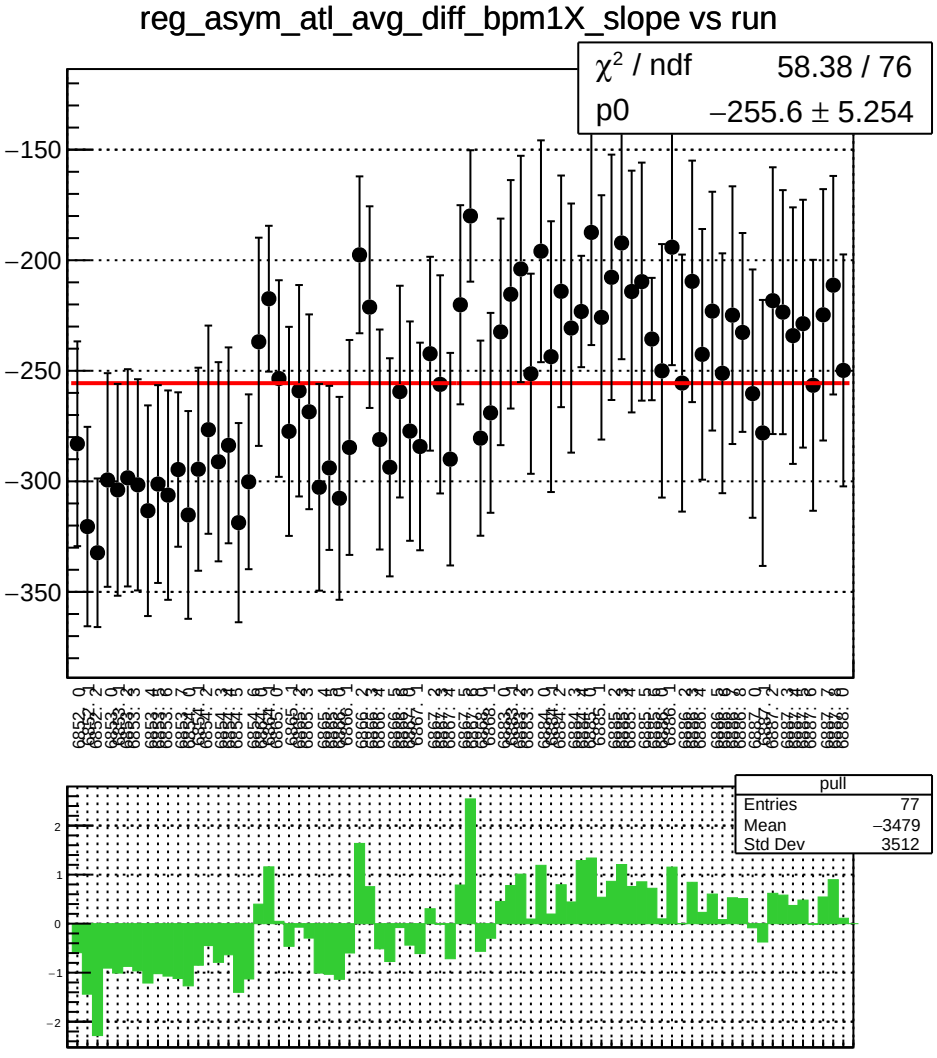

pull1D
Entries 77
Mean 0.01661
Std Dev 0.8449

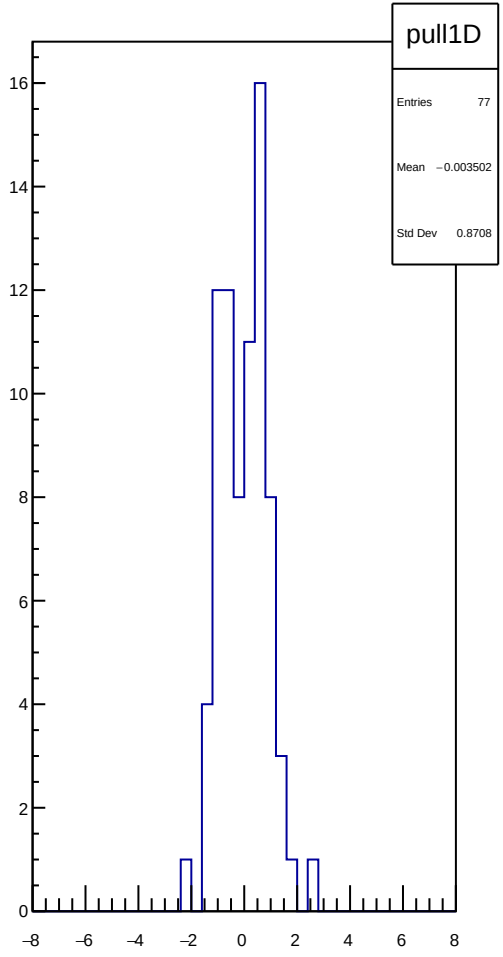

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 8.8 / 76
p0 96.53 ± 6.264
pull
Entries 77
Mean 620.1
Std Dev 580.8

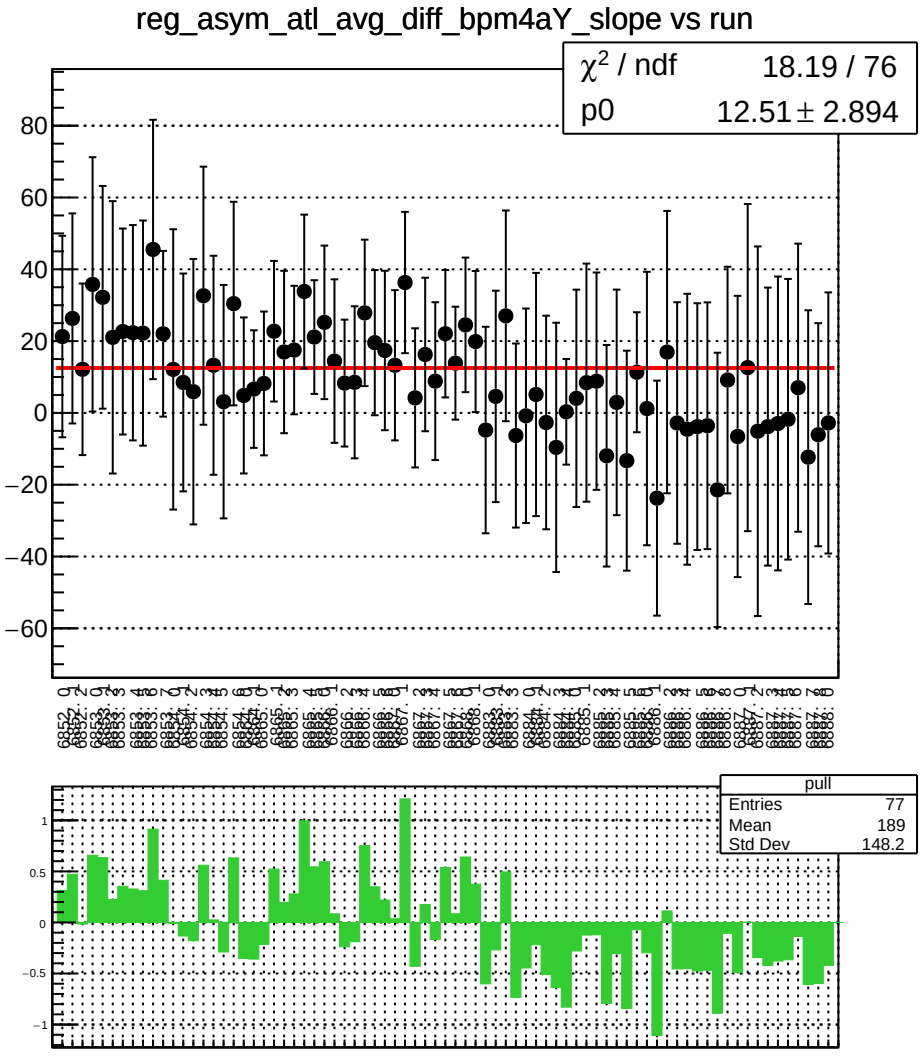

pull1D
Entries 77
Mean 0.005115
Std Dev 0.338

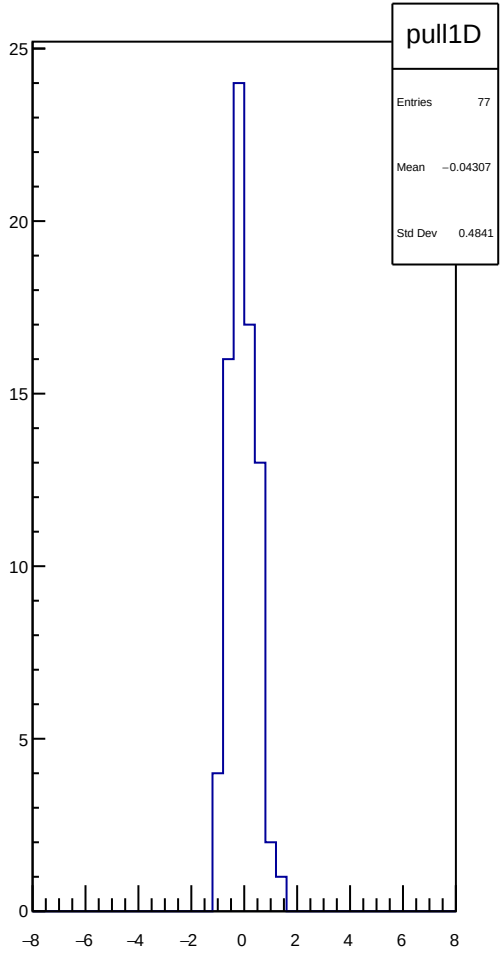

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 11.15 / 76
p0 −254.4 ± 0.3596
pull
Entries 77
Mean 74.65
Std Dev 30.91

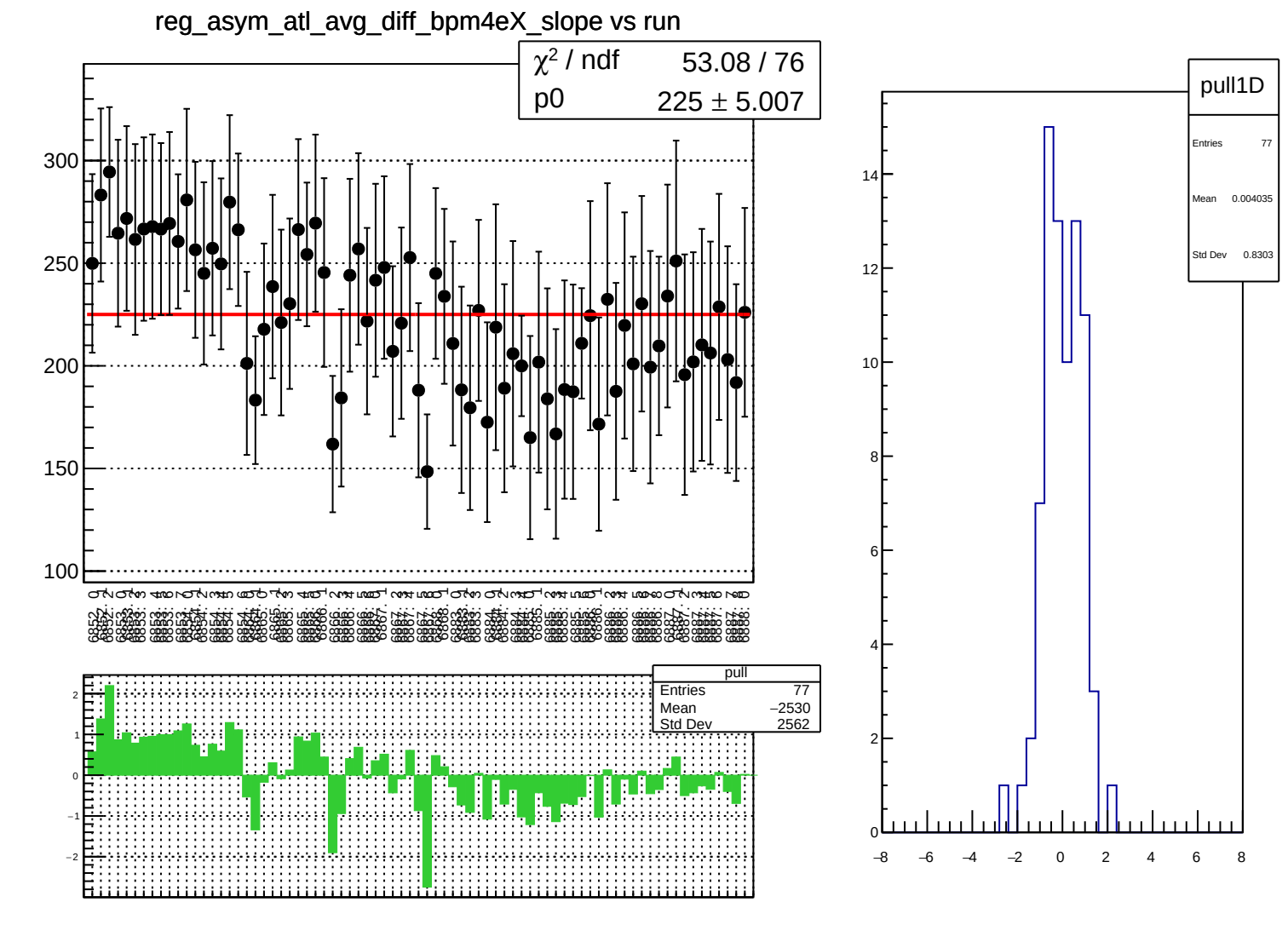

pull1D
Entries 77
Mean −0.003908
Std Dev 0.3806

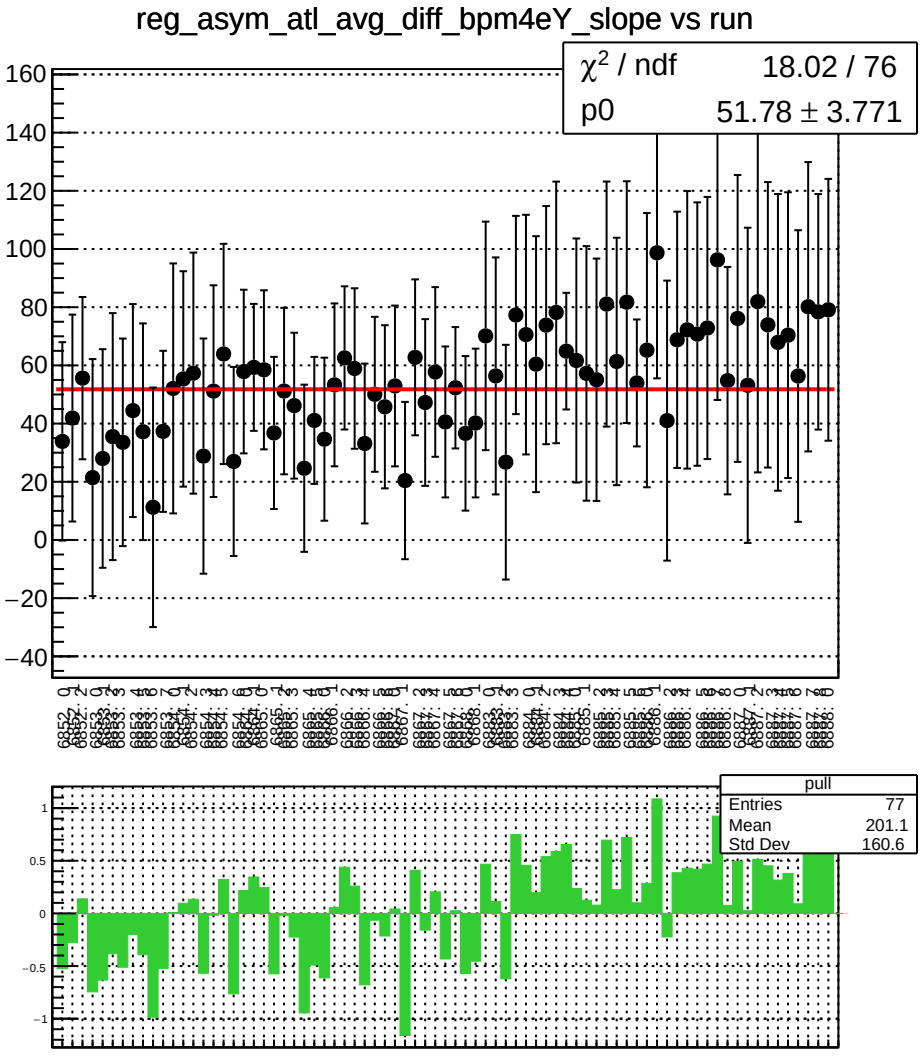

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 58.38 / 76
p0 −255.6 ± 5.254
pull
Entries 77
Mean −3479
Std Dev 3512

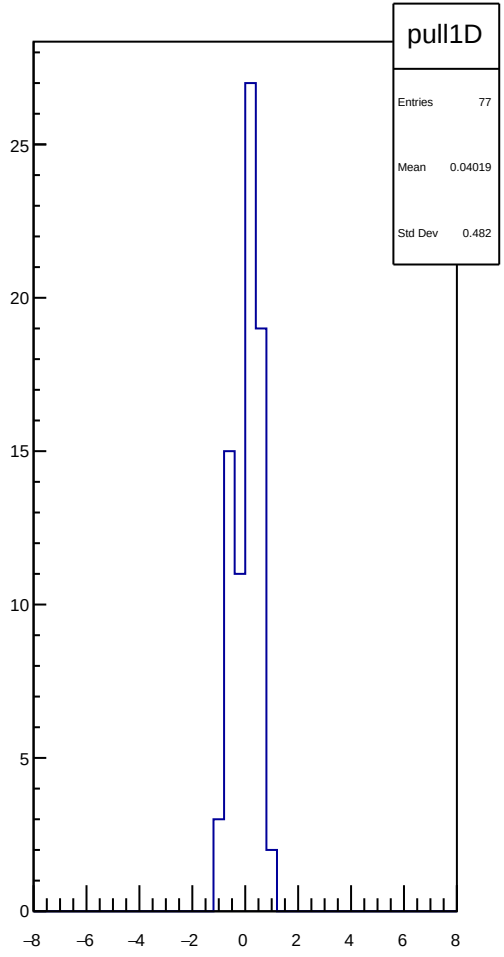

pull1D
Entries 77
Mean −0.003502
Std Dev 0.8708

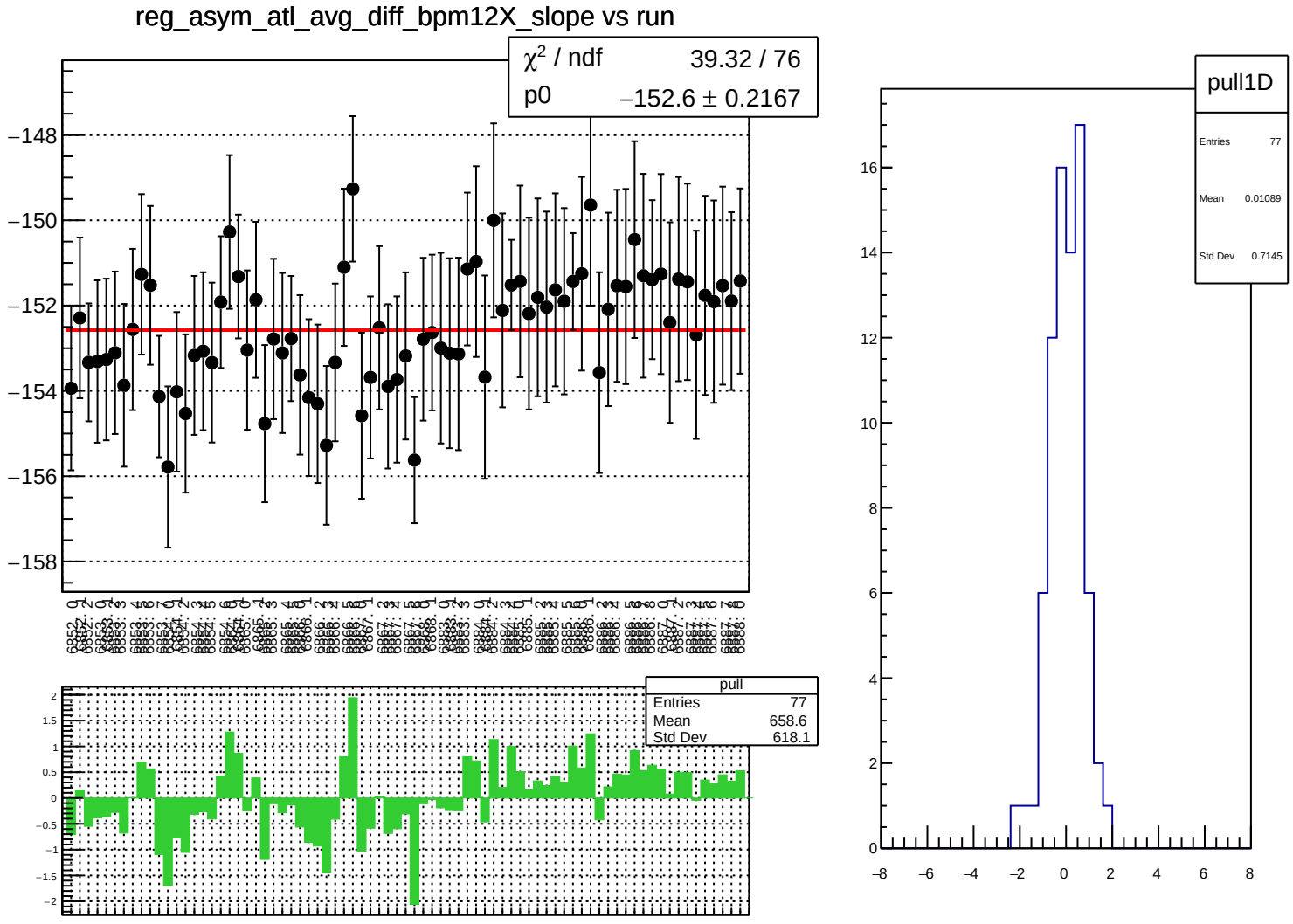

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.19 / 76
p0 12.51 ± 2.894
pull
Entries 77
Mean 189
Std Dev 148.2

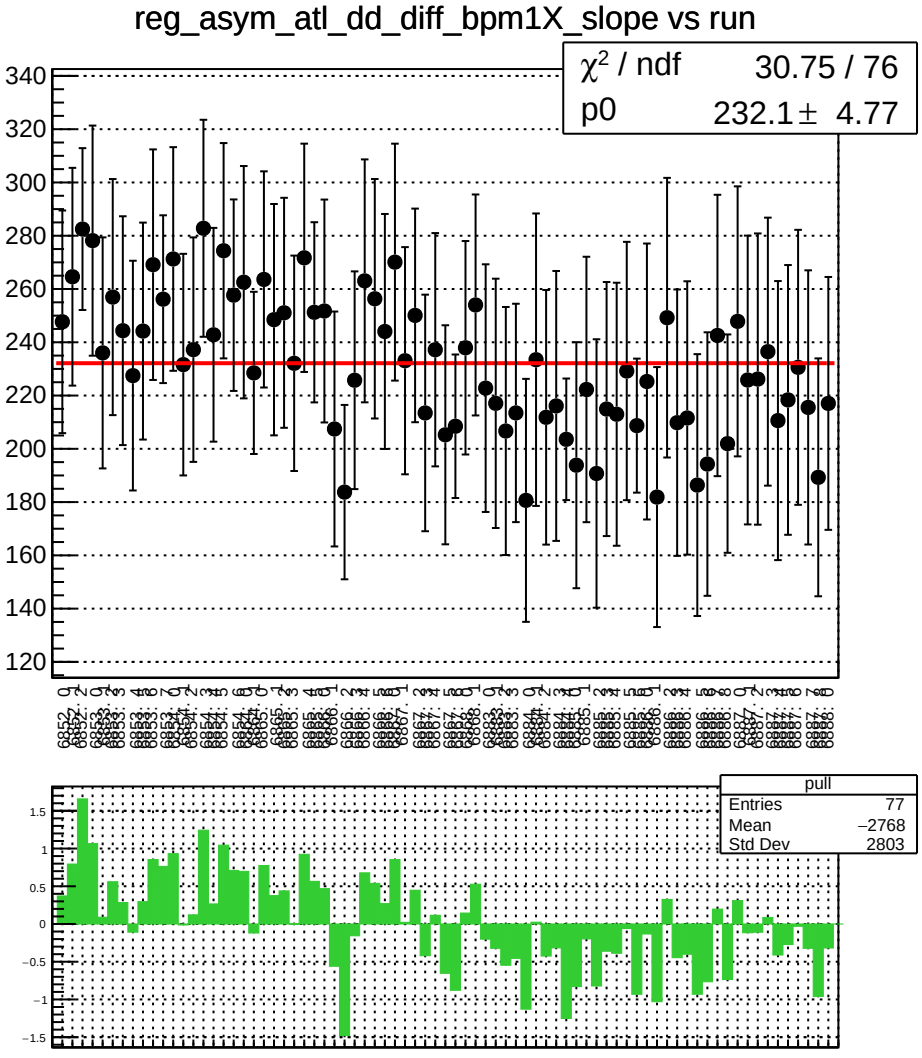

pull1D
Entries 77
Mean −0.04307
Std Dev 0.4841

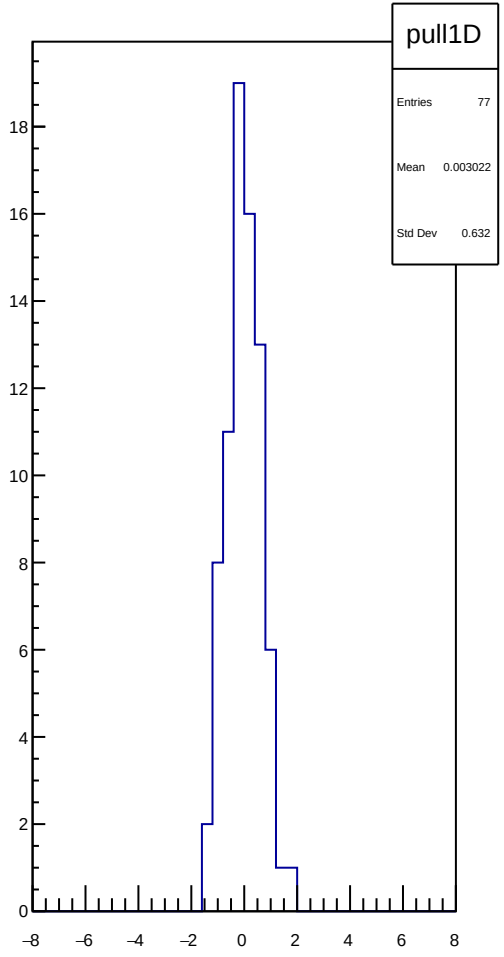

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.08 / 76
p0 225 ± 5.007
pull
Entries 77
Mean −2530
Std Dev 2562
pull1D
Entries 77
Mean 0.004035
Std Dev 0.8303

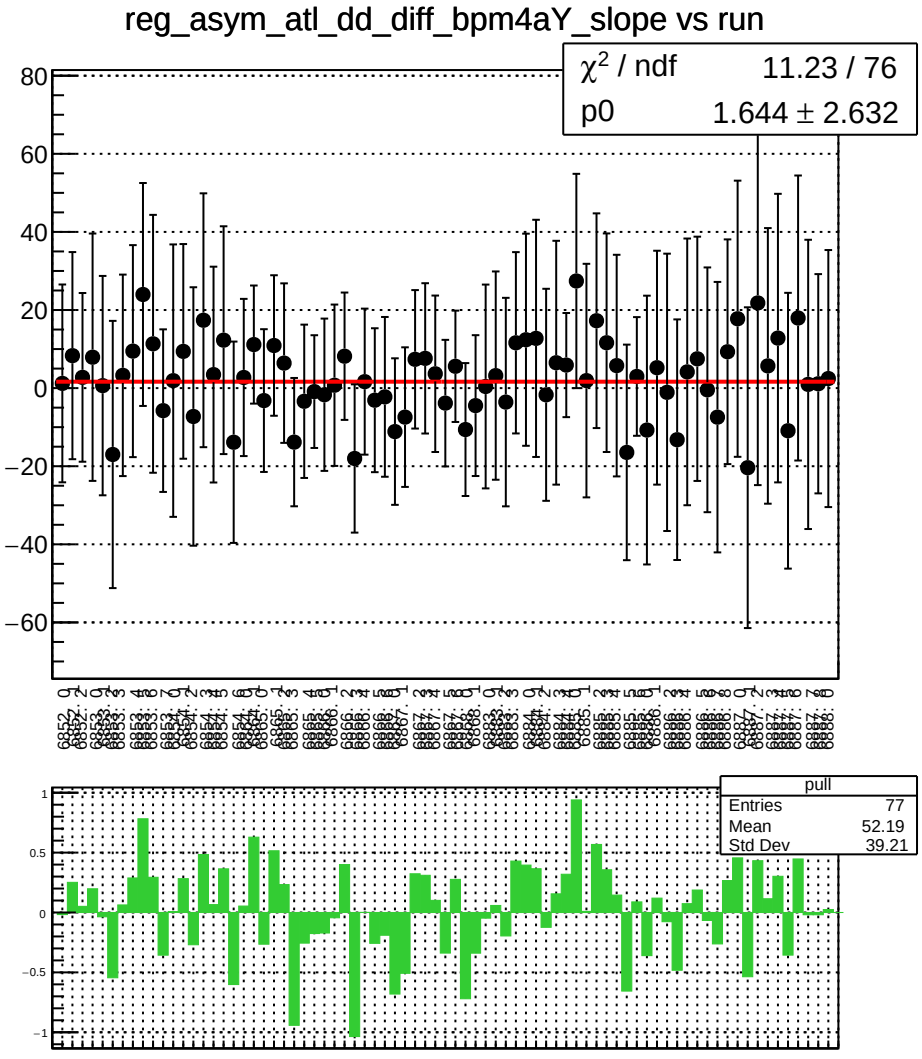

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.02 / 76
p0 51.78 ± 3.771
pull
Entries 77
Mean 201.1
Std Dev 160.6

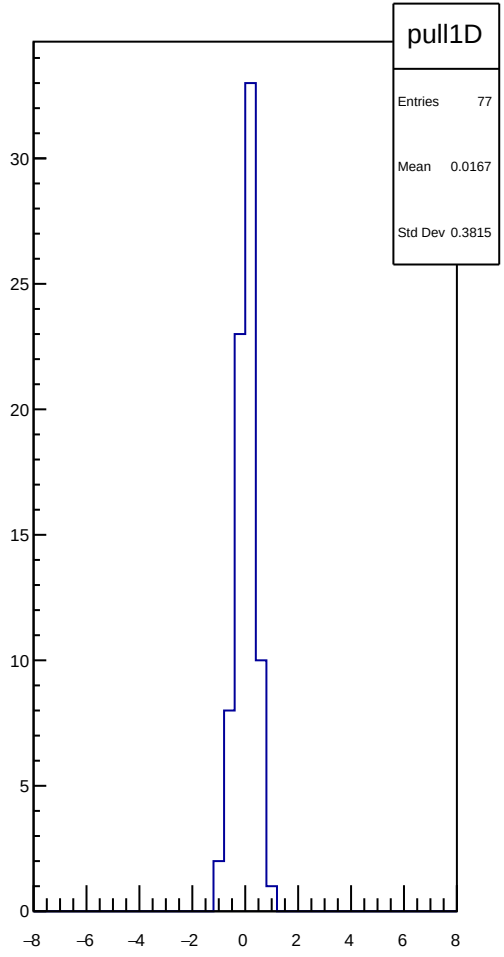

pull1D
Entries 77
Mean 0.04019
Std Dev 0.482

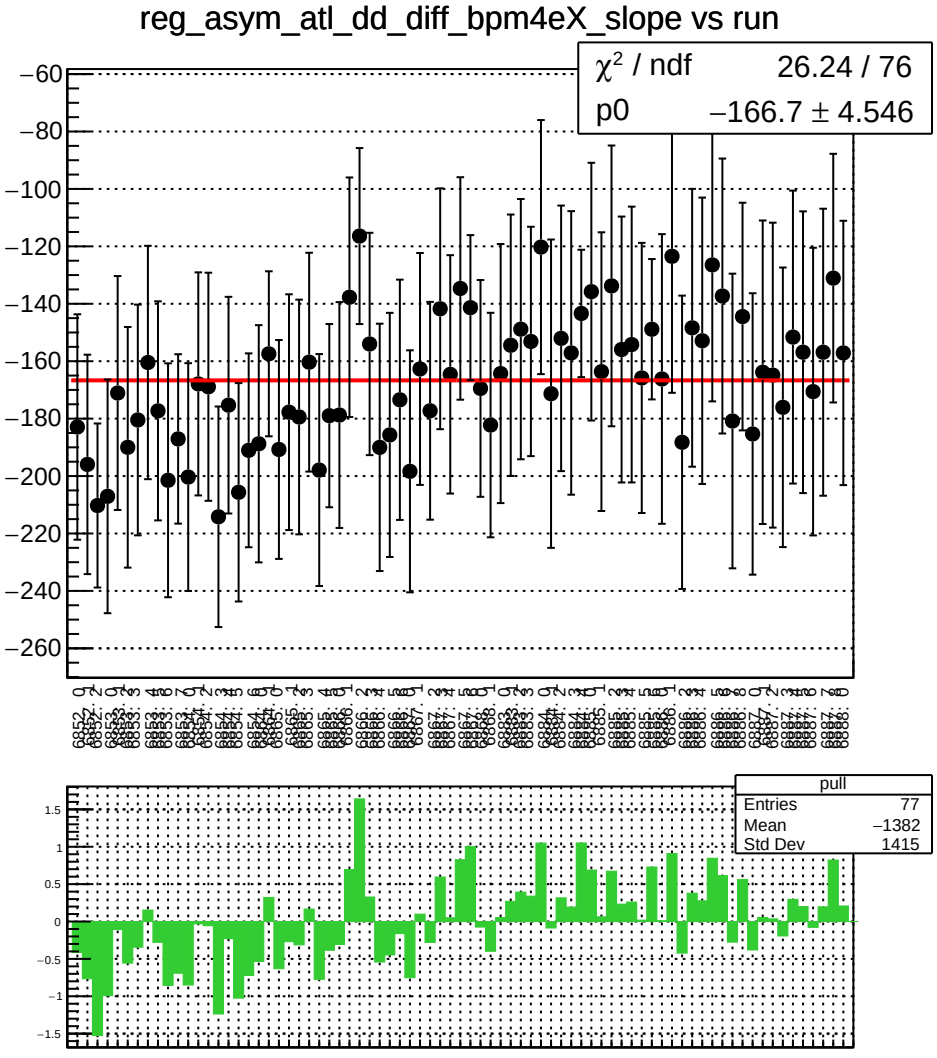

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 39.32 / 76
p0 −152.6 ± 0.2167
−148
−150
−152
−154
−156
−158
pull
Entries 77
Mean 658.6
Std Dev 618.1
pull1D
Entries 77
Mean 0.01089
Std Dev 0.7145

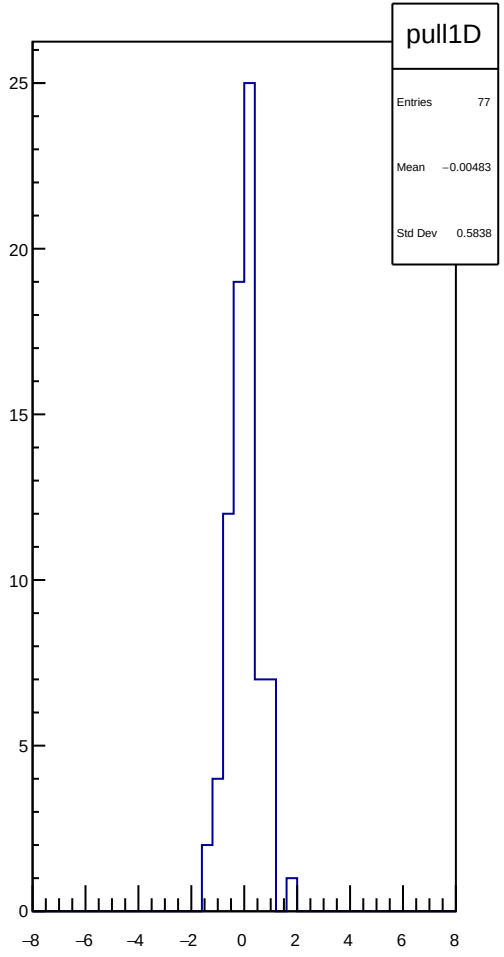

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 30.75 / 76
p0 232.1 ± 4.77
pull
Entries 77
Mean −2768
Std Dev 2803

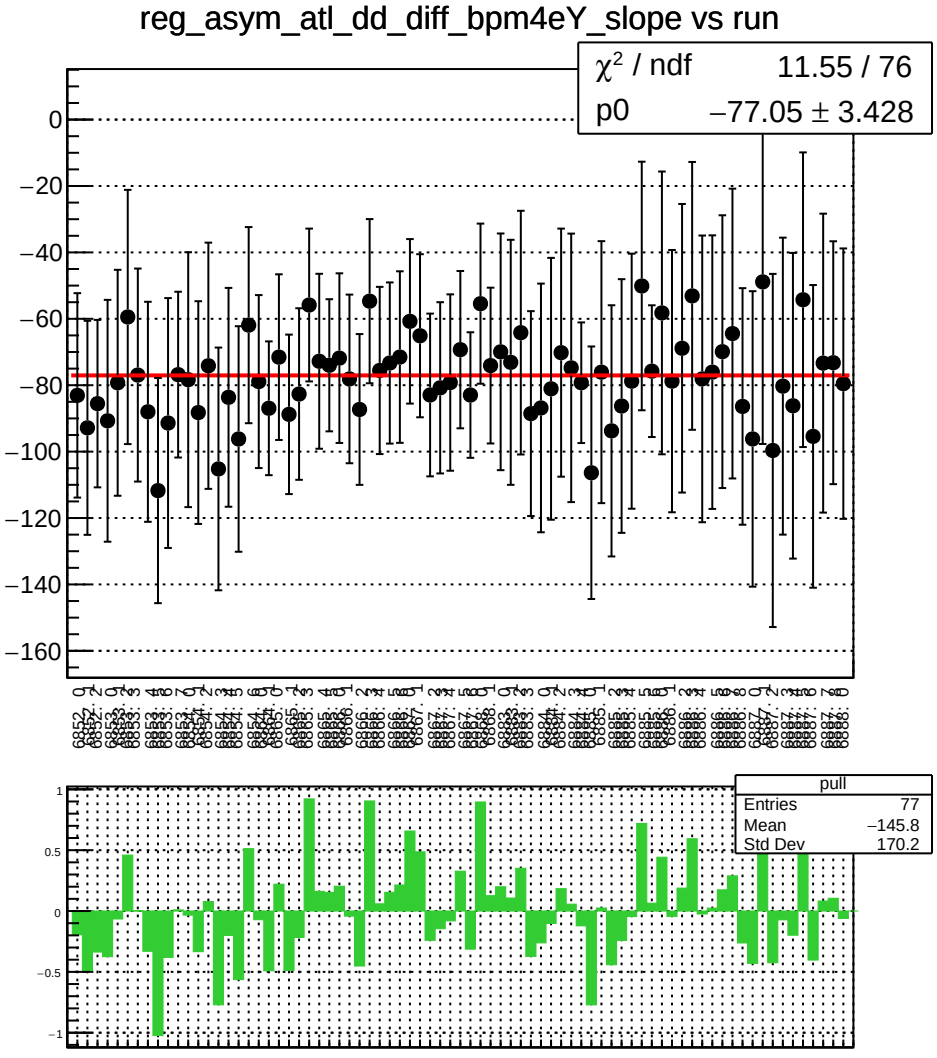

pull1D
Entries 77
Mean 0.003022
Std Dev 0.632

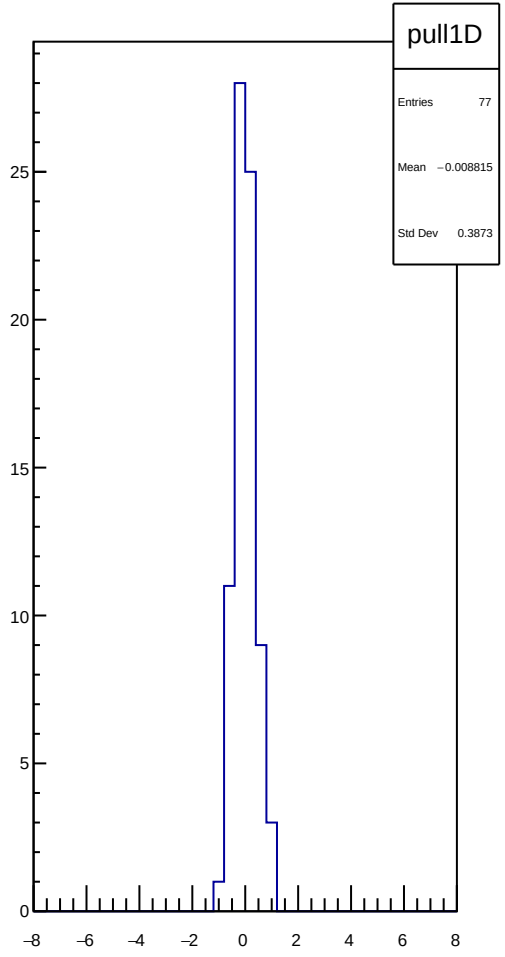

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.23 / 76
p0 1.644 ± 2.632
pull
Entries 77
Mean 52.19
Std Dev 39.21

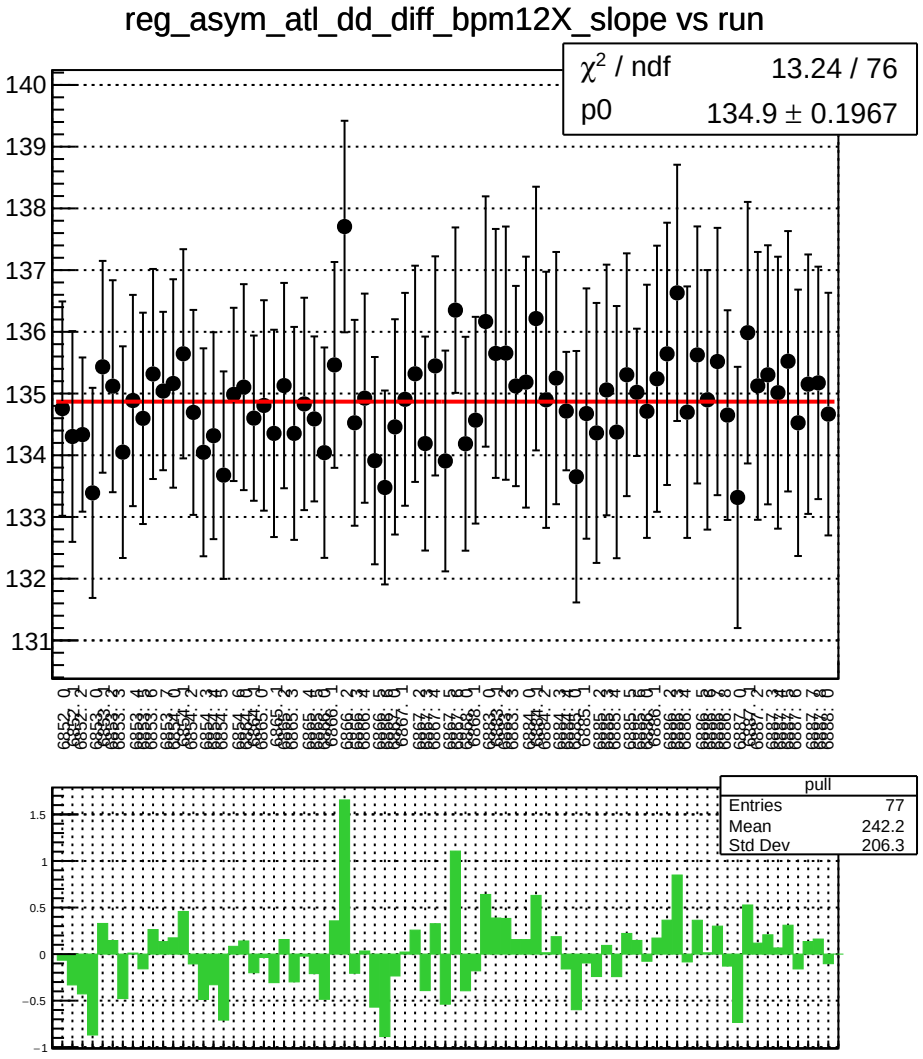

pull1D
Entries 77
Mean 0.0167
Std Dev 0.3815

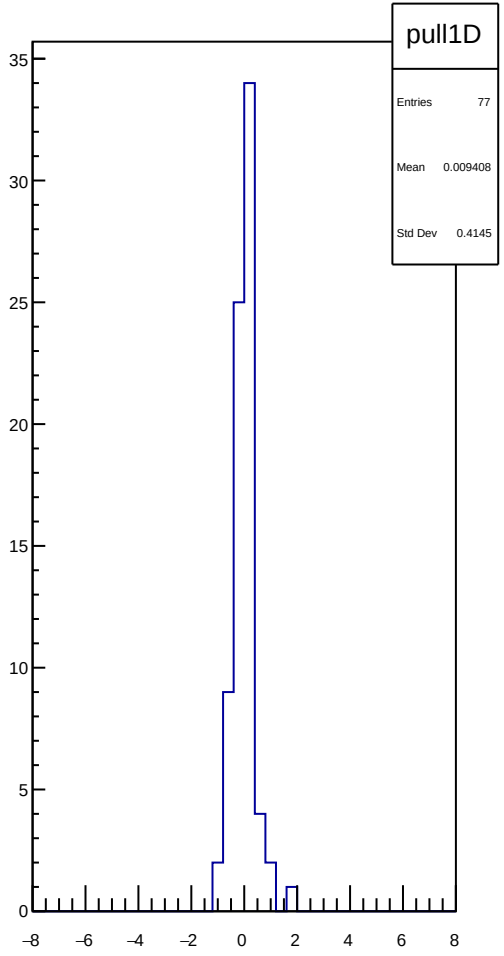

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 26.24 / 76
p0 −166.7 ± 4.546
pull
Entries 77
Mean −1382
Std Dev 1415

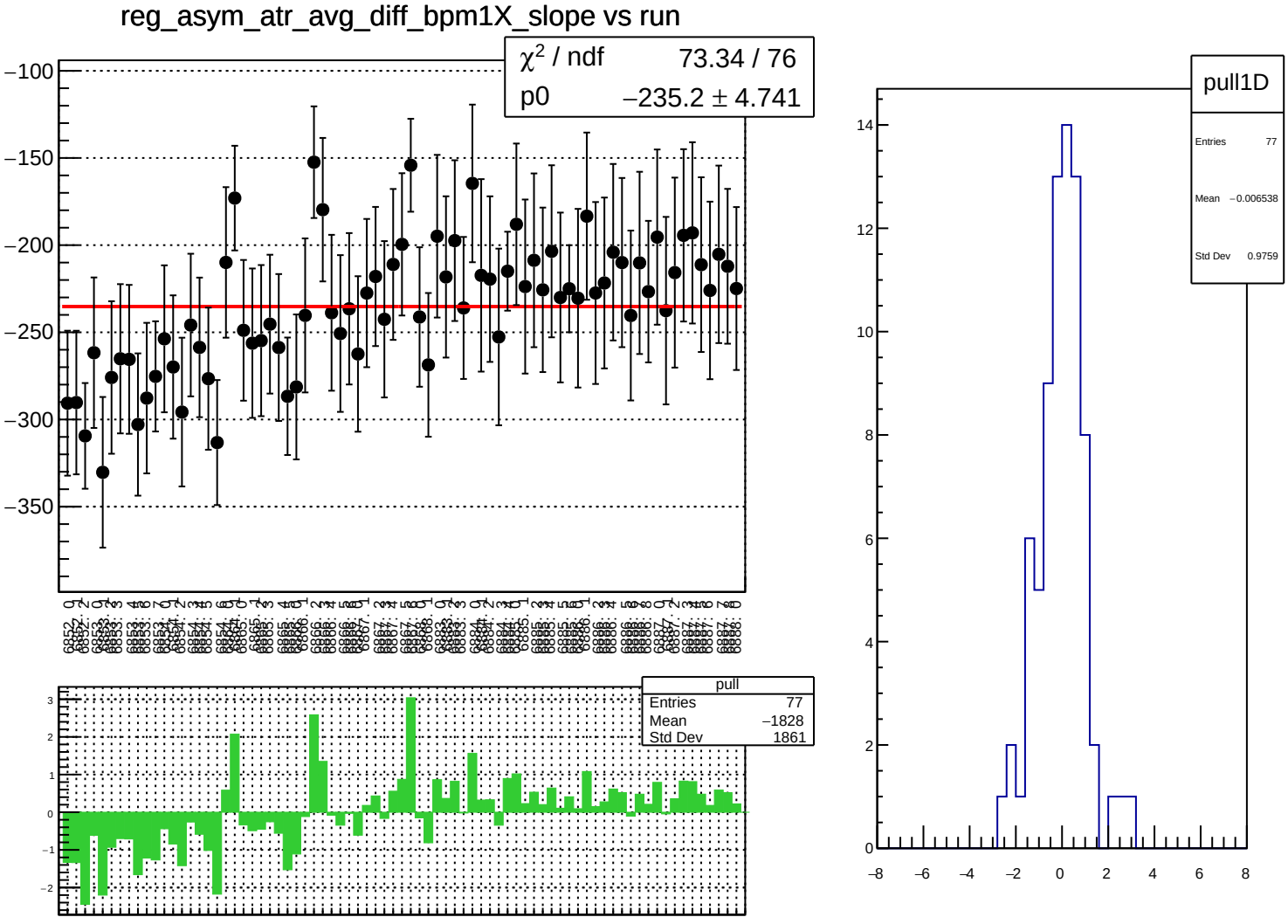

pull1D
Entries 77
Mean −0.00483
Std Dev 0.5838

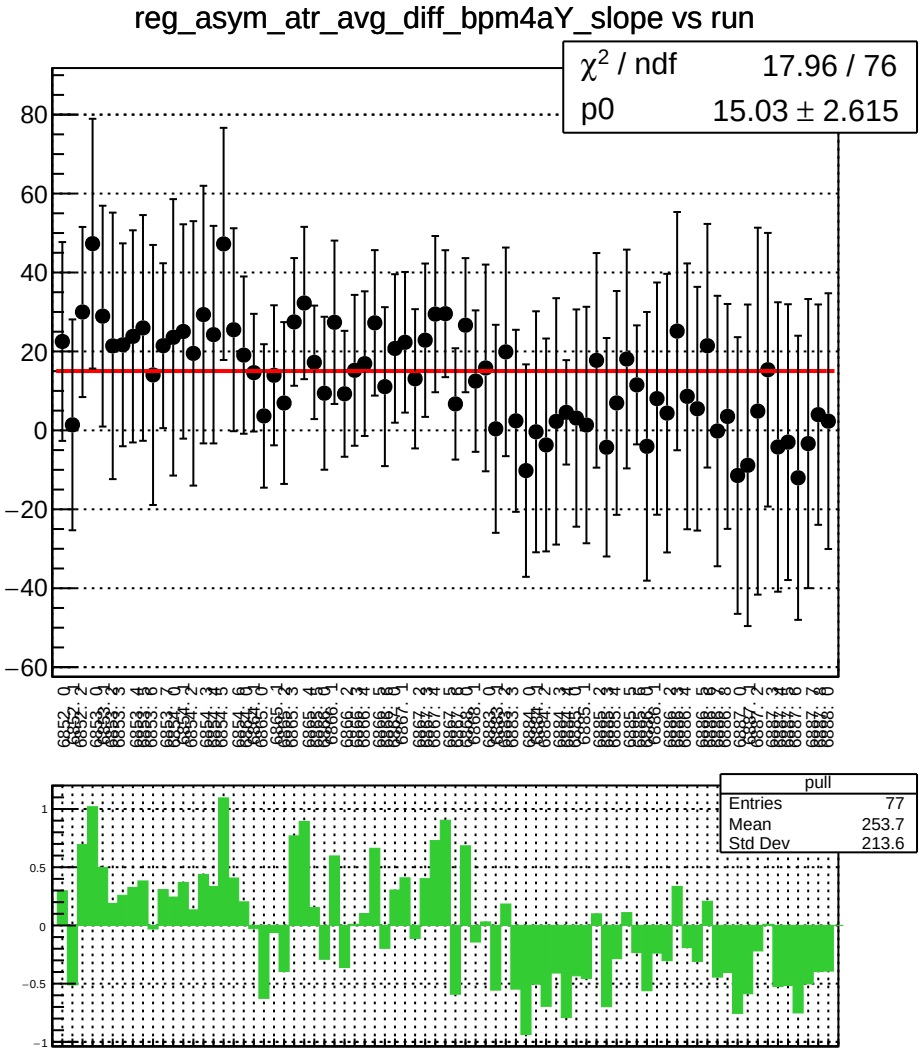

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.55 / 76
p0 −77.05 ± 3.428
pull
Entries 77
Mean −145.8
Std Dev 170.2

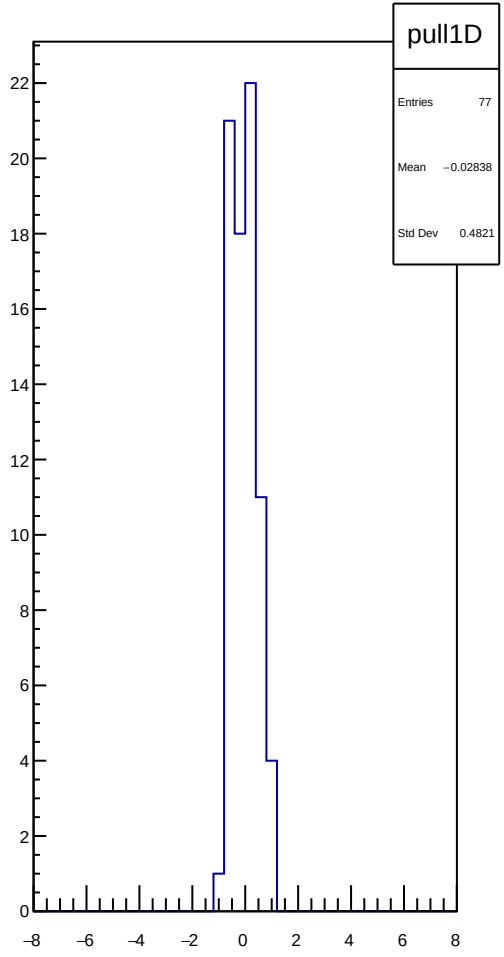

pull1D
Entries 77
Mean −0.008815
Std Dev 0.3873

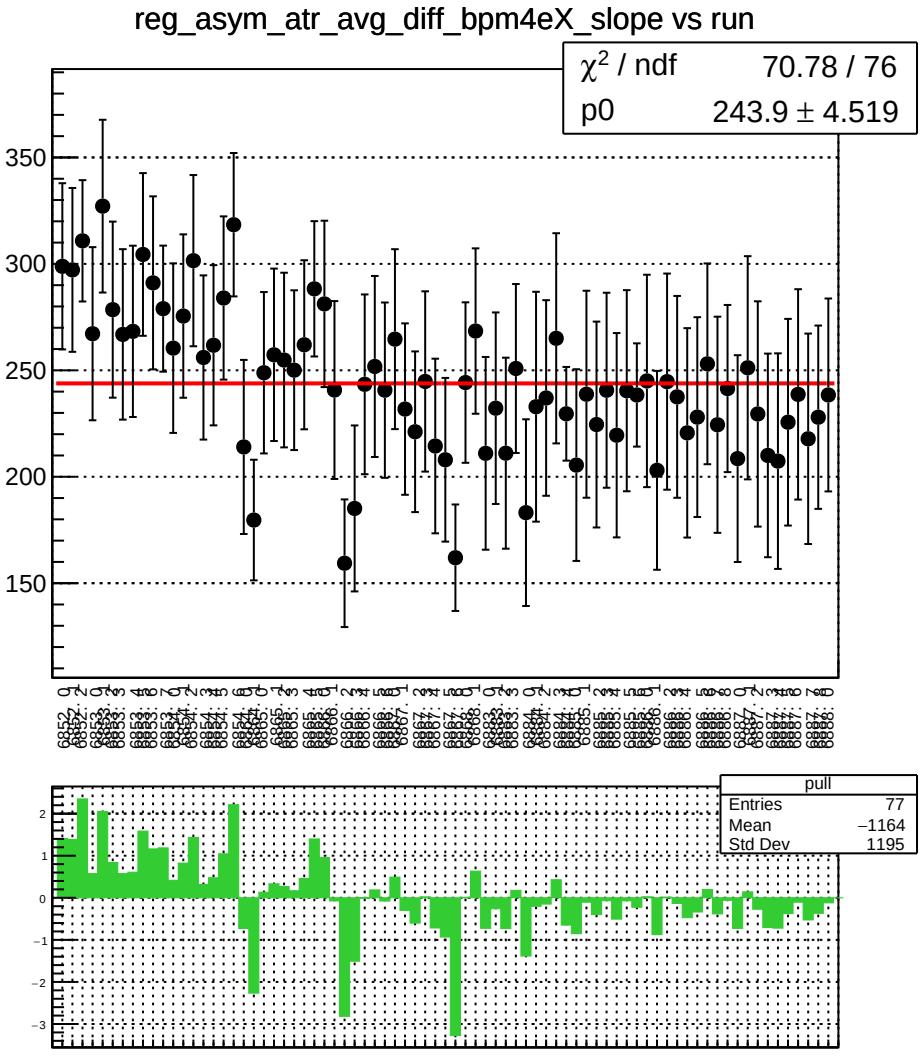

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 13.24 / 76
p0 134.9 ± 0.1967
pull
Entries 77
Mean 242.2
Std Dev 206.3

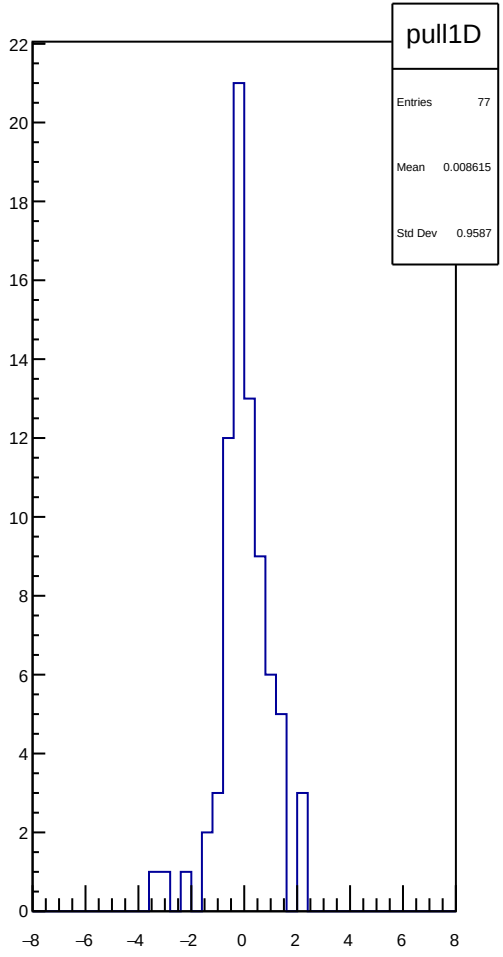

pull1D
Entries 77
Mean 0.009408
Std Dev 0.4145

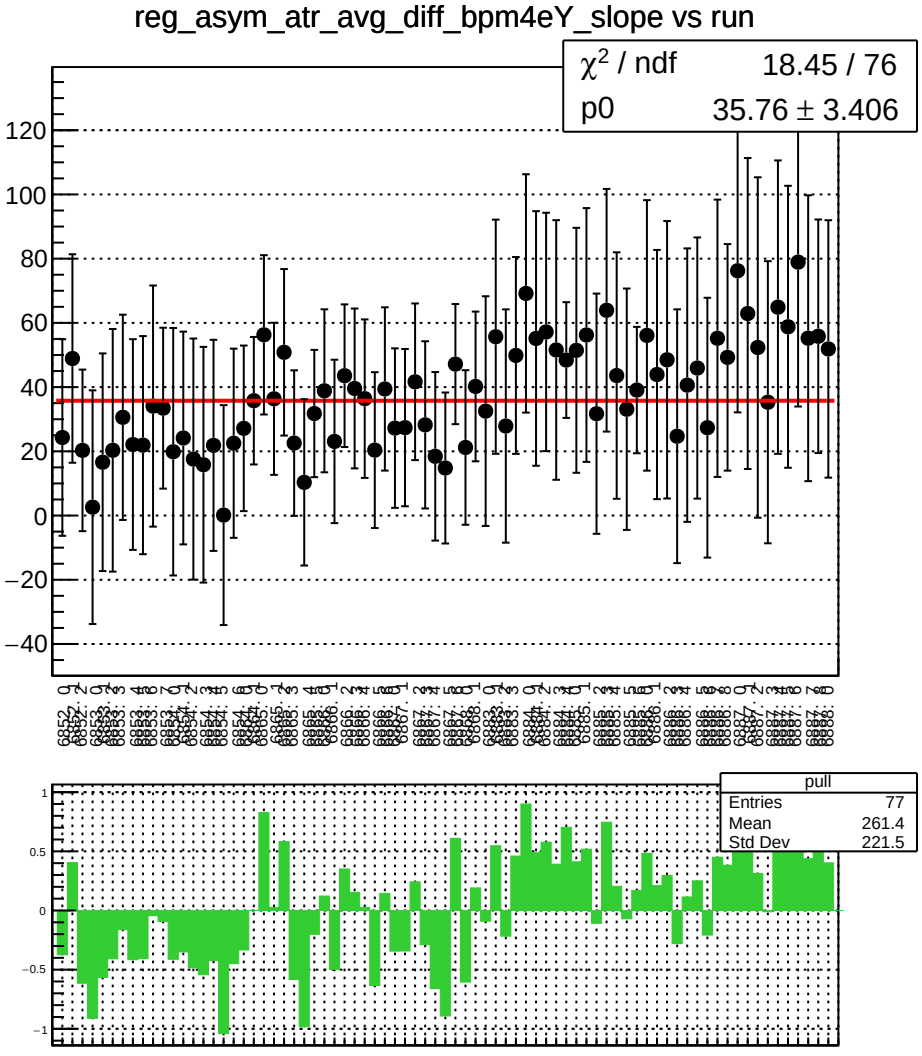

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 73.34 / 76
p0 −235.2 ± 4.741
pull
Entries 77
Mean −1828
Std Dev 1861
pull1D
Entries 77
Mean −0.006538
Std Dev 0.9759

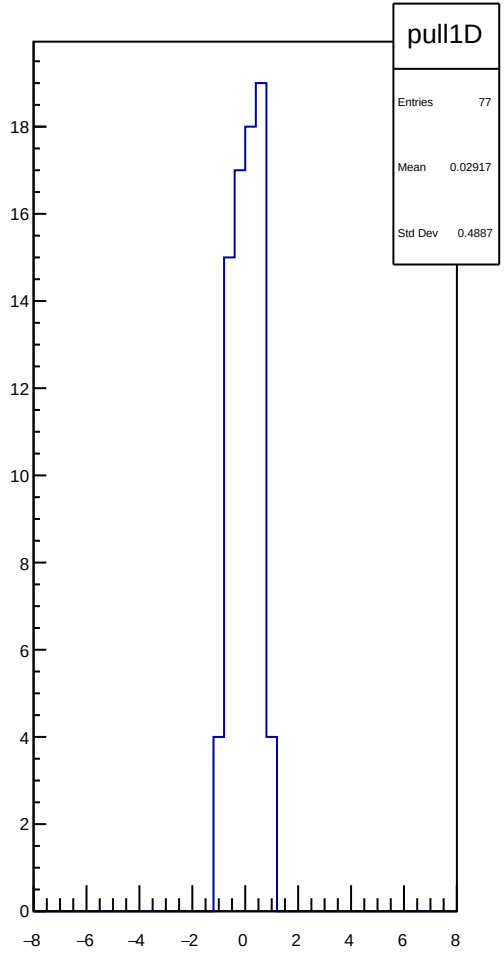

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 17.96 / 76
p0 15.03 ± 2.615
pull
Entries 77
Mean 253.7
Std Dev 213.6

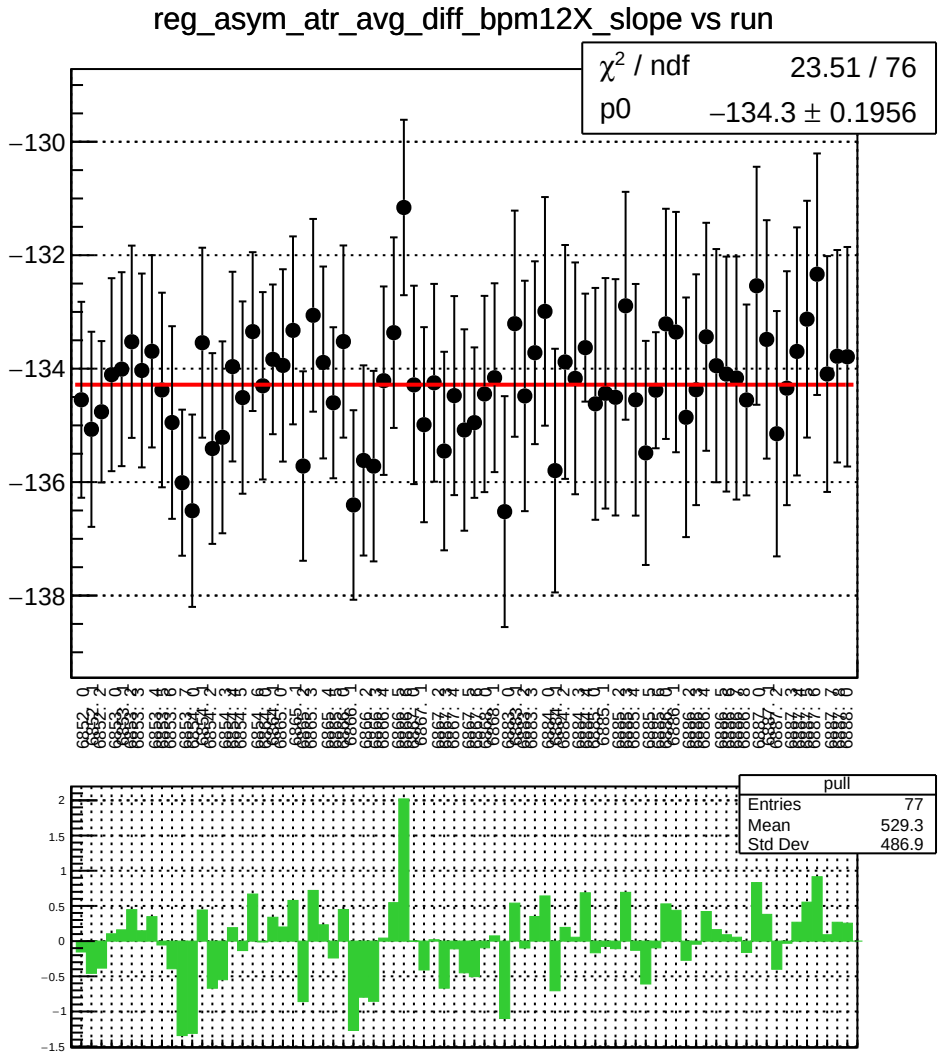

pull1D
Entries 77
Mean −0.02838
Std Dev 0.4821

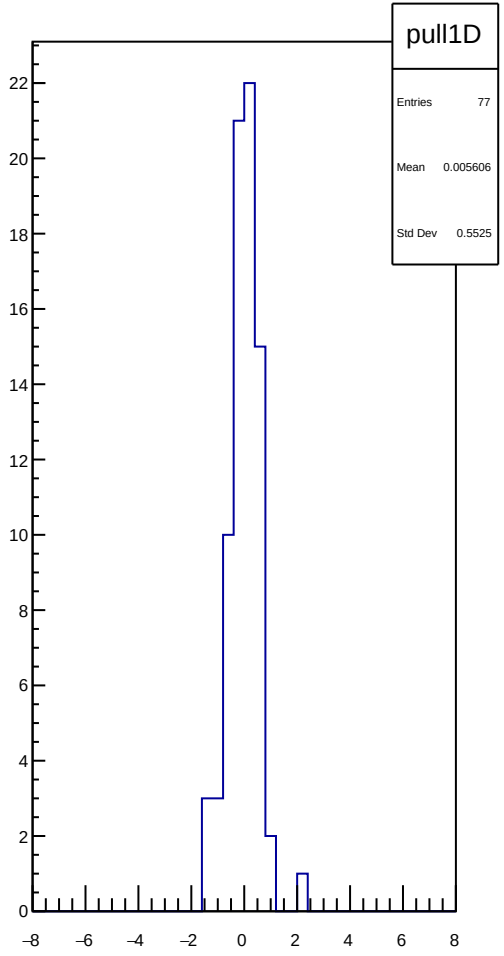

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.78 / 76
p0 243.9 ± 4.519
pull
Entries 77
Mean −1164
Std Dev 1195

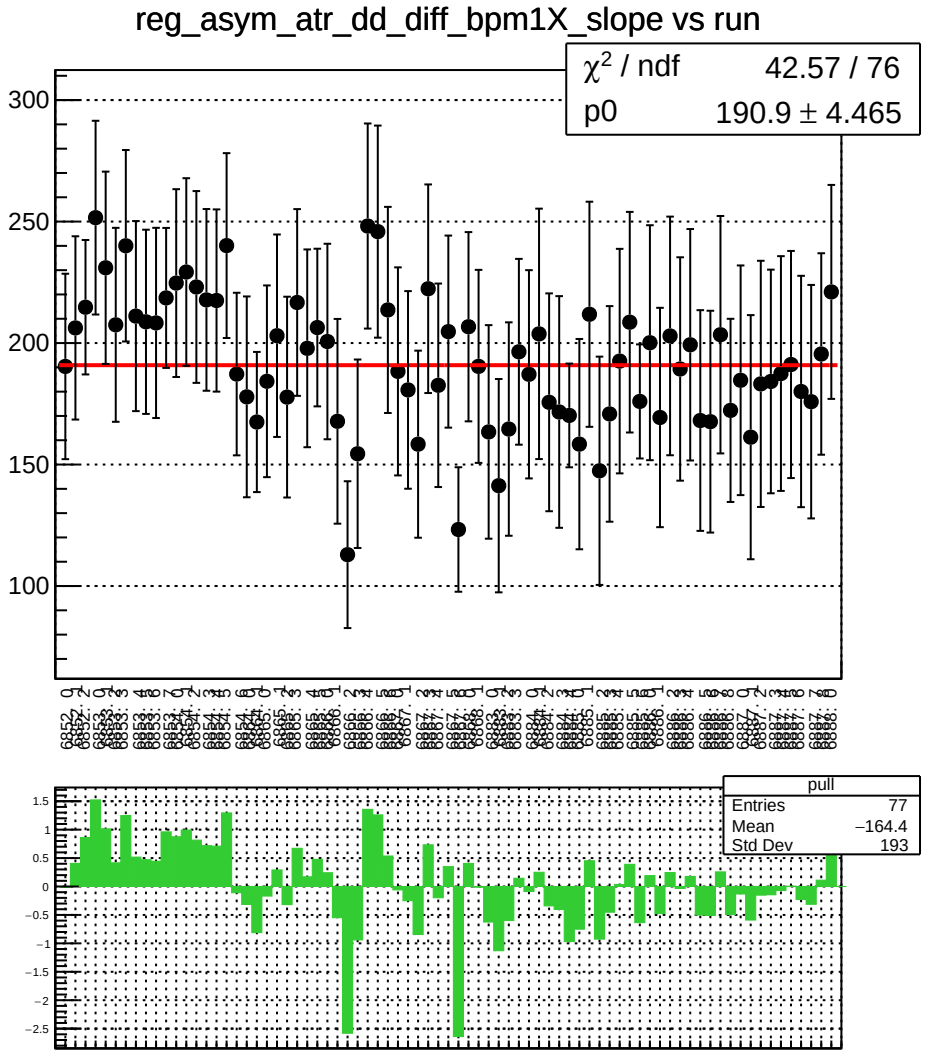

pull1D
Entries 77
Mean 0.008615
Std Dev 0.9587

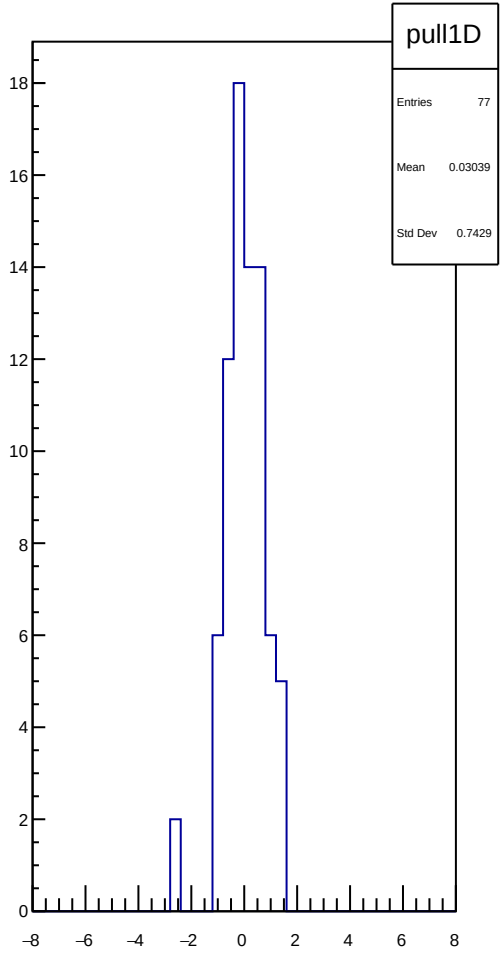

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ2 / ndf 18.45 / 76
p0 35.76 ± 3.406
pull
Entries 77
Mean 261.4
Std Dev 221.5

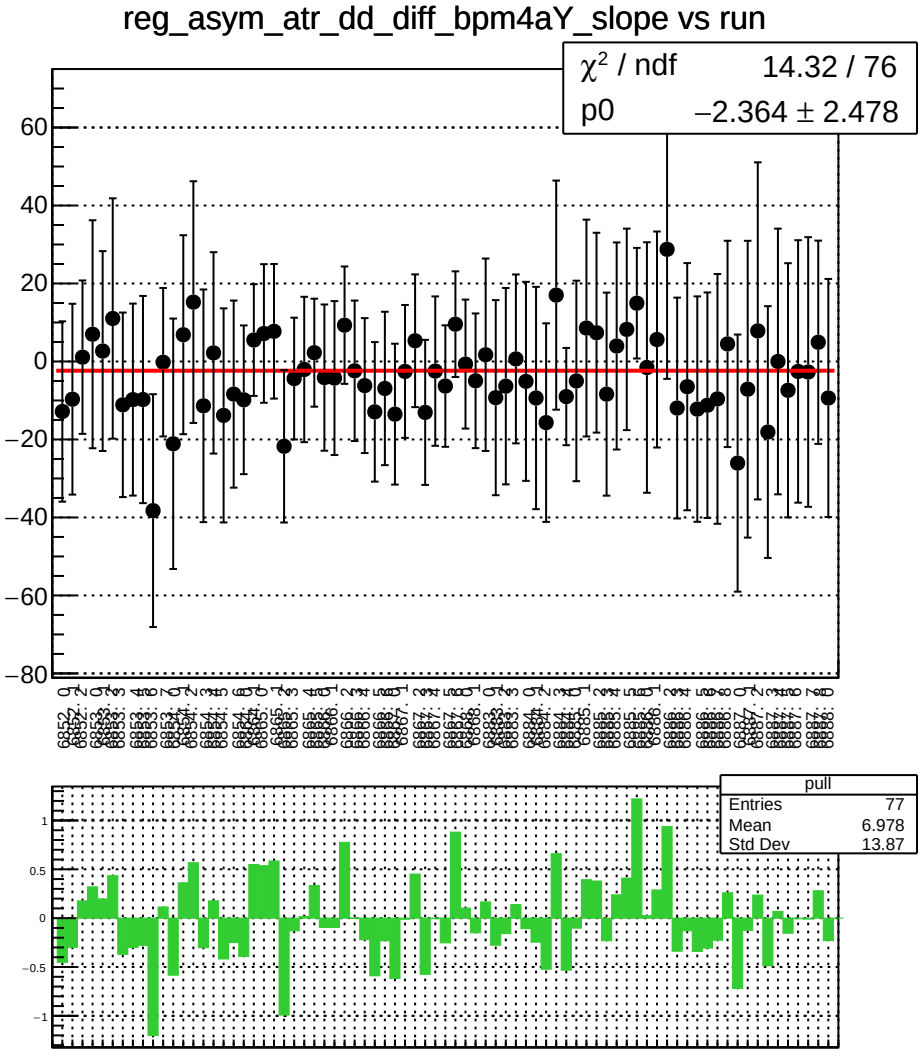

pull1D
Entries 77
Mean 0.02917
Std Dev 0.4887

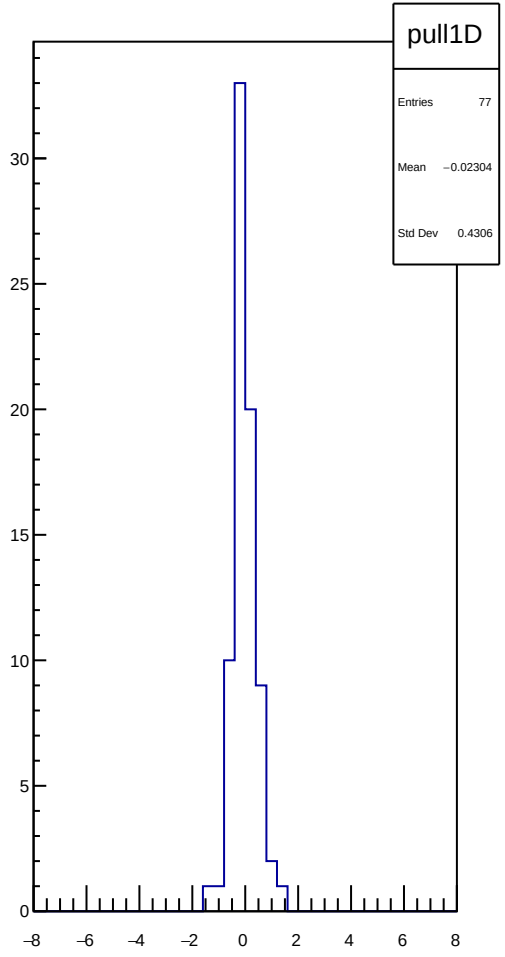

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.51 / 76
p0 −134.3 ± 0.1956
pull
Entries 77
Mean 529.3
Std Dev 486.9

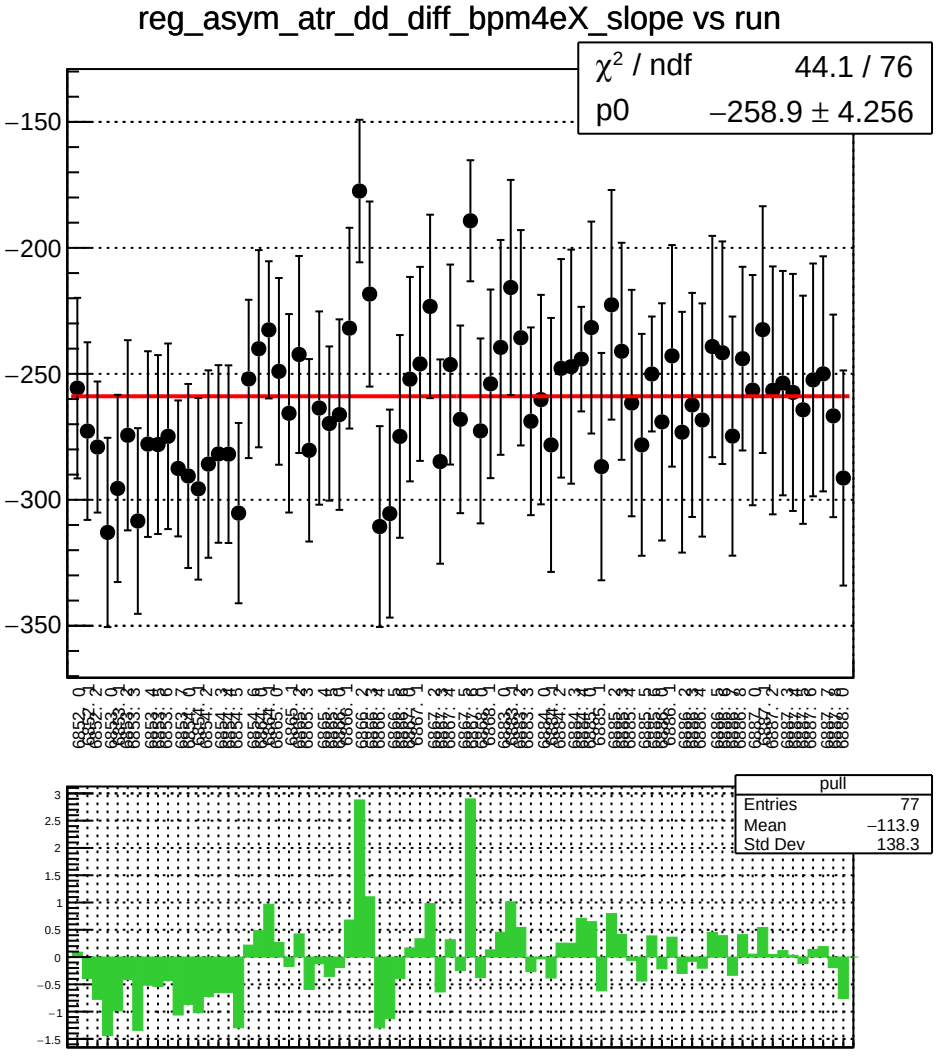

pull1D
Entries 77
Mean 0.005606
Std Dev 0.5525

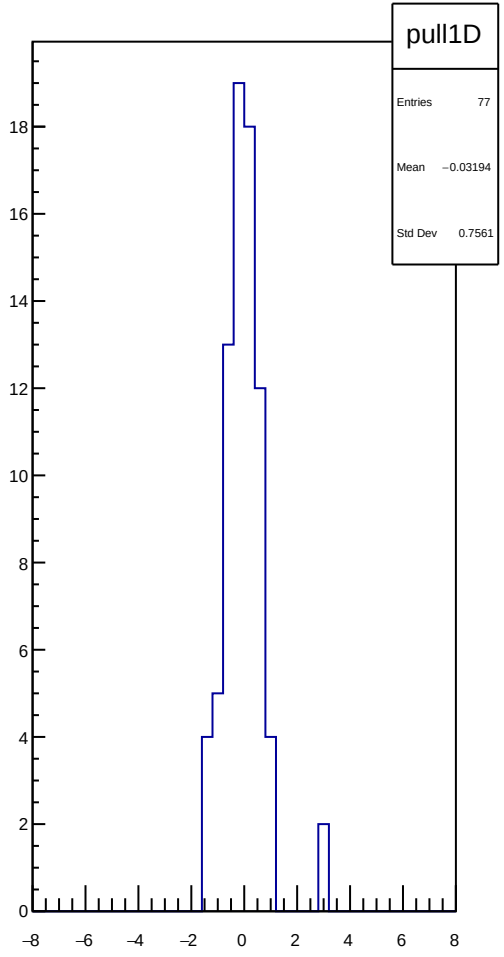

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 42.57 / 76
p0 190.9 ± 4.465
pull
Entries 77
Mean −164.4
Std Dev 193

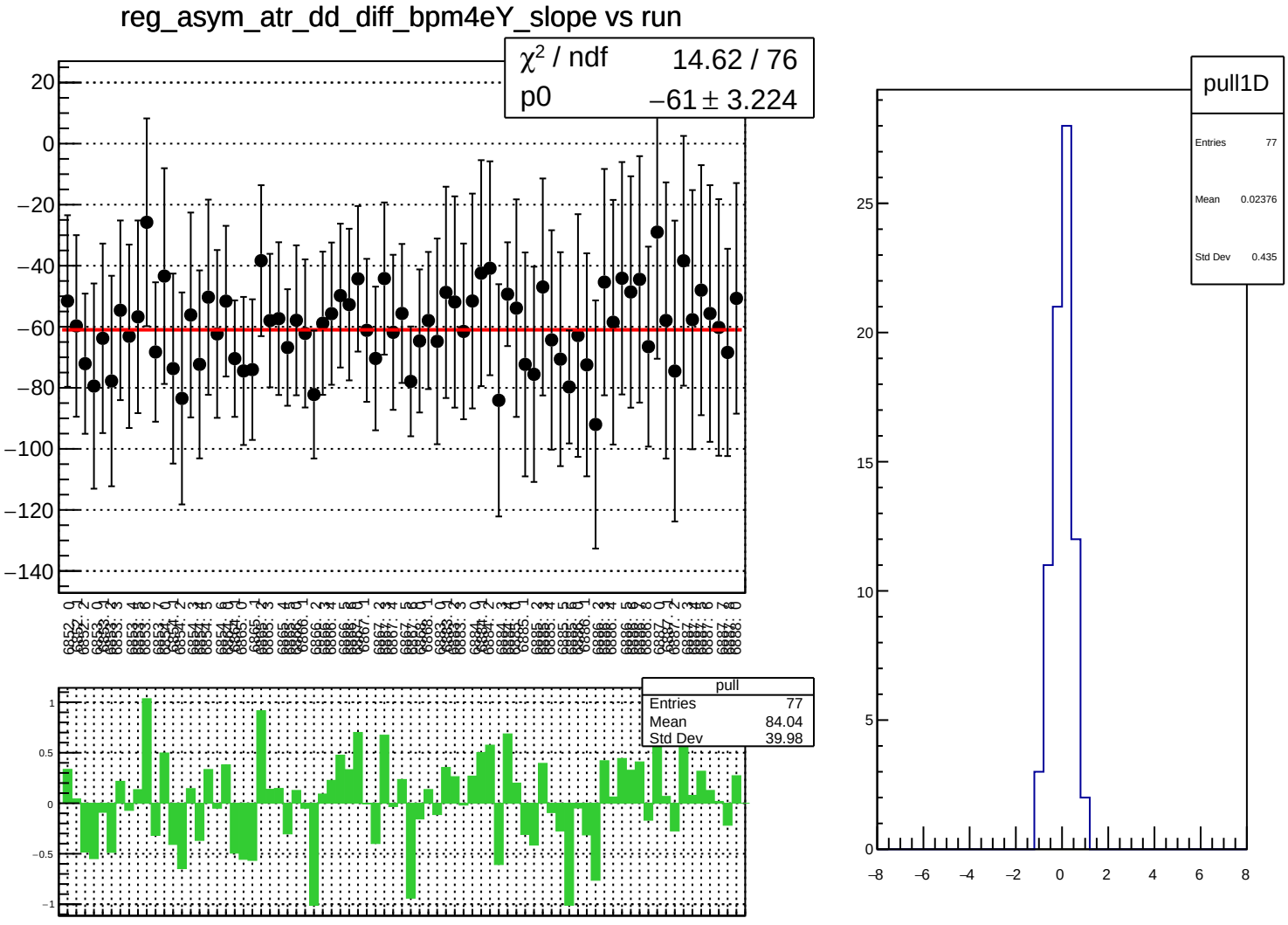

pull1D
Entries 77
Mean 0.03039
Std Dev 0.7429

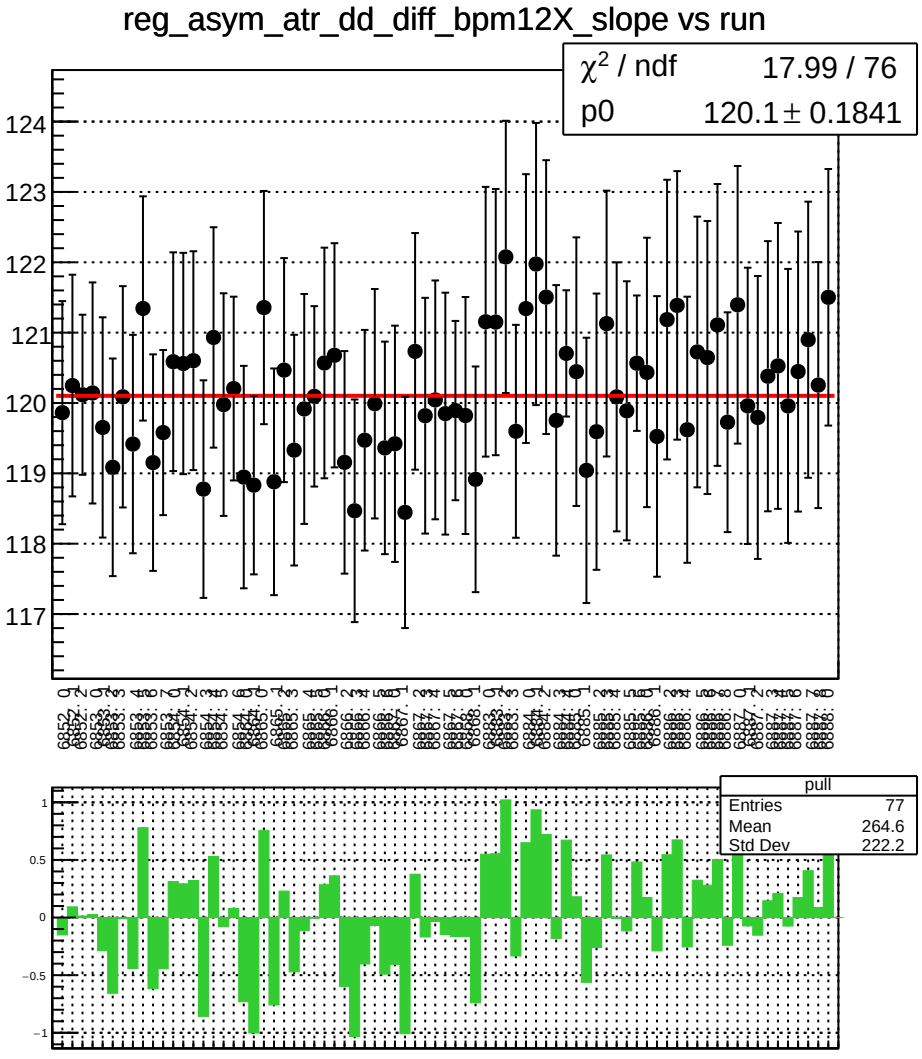

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.32 / 76
p0 −2.364 ± 2.478
pull
Entries 77
Mean 6.978
Std Dev 13.87

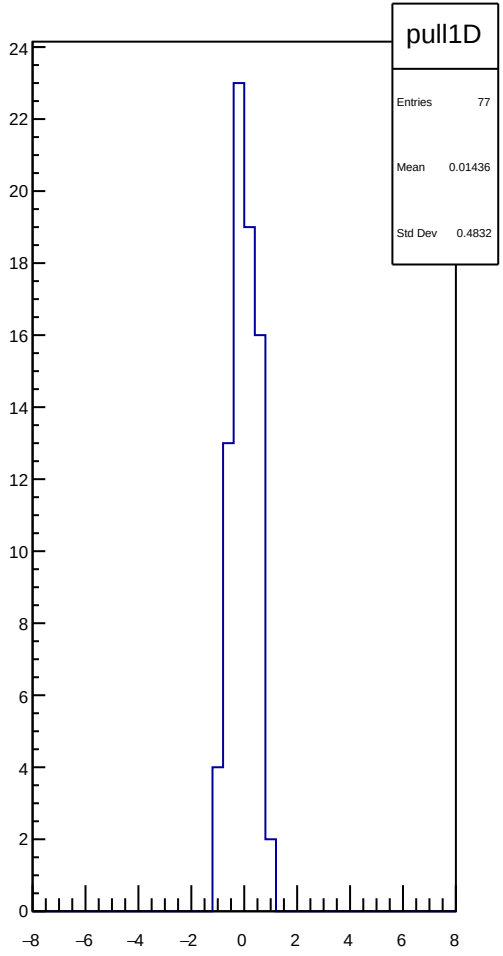

pull1D
Entries 77
Mean −0.02304
Std Dev 0.4306

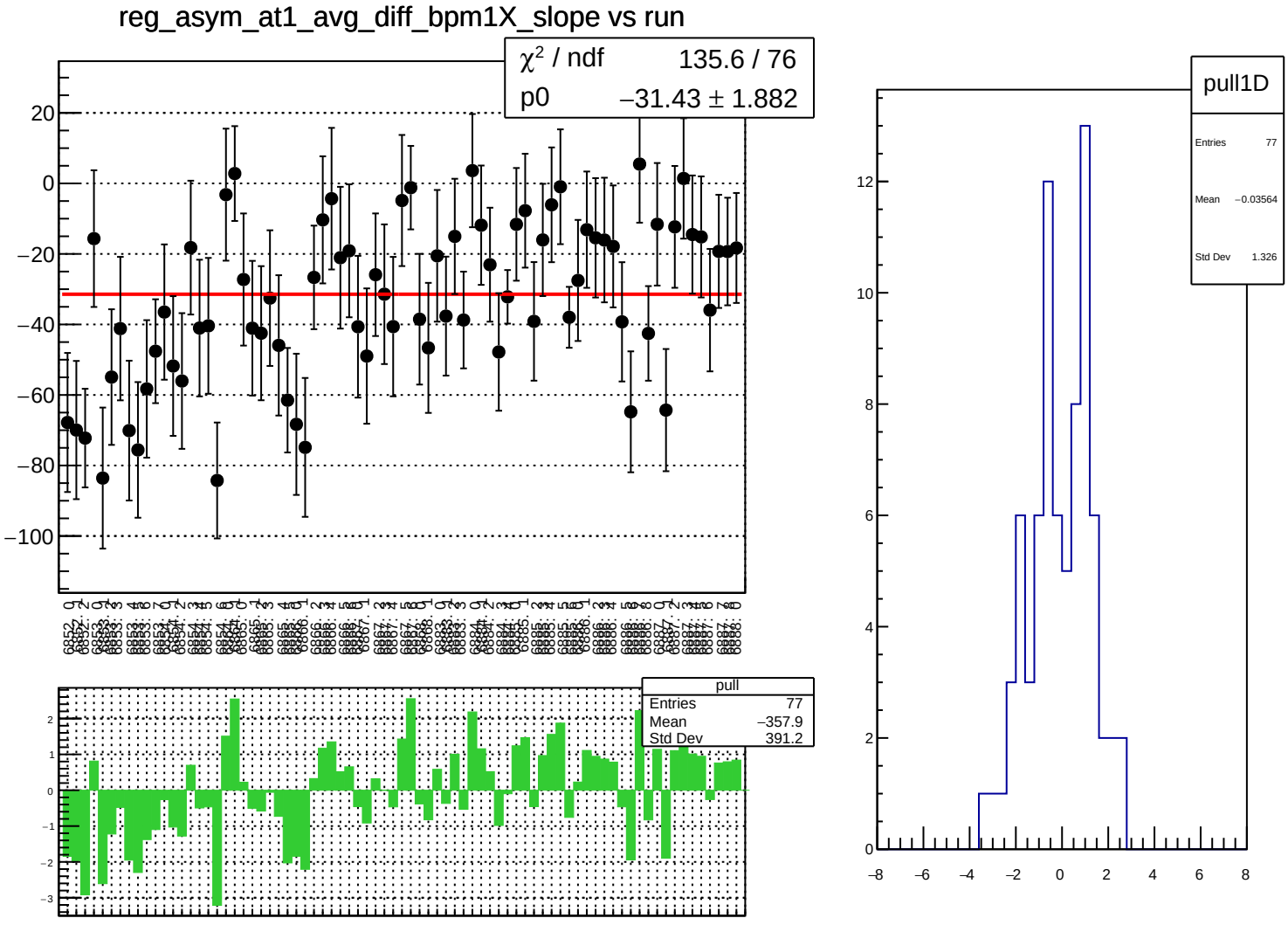

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 44.1 / 76
p0 −258.9 ± 4.256
pull
Entries 77
Mean −113.9
Std Dev 138.3

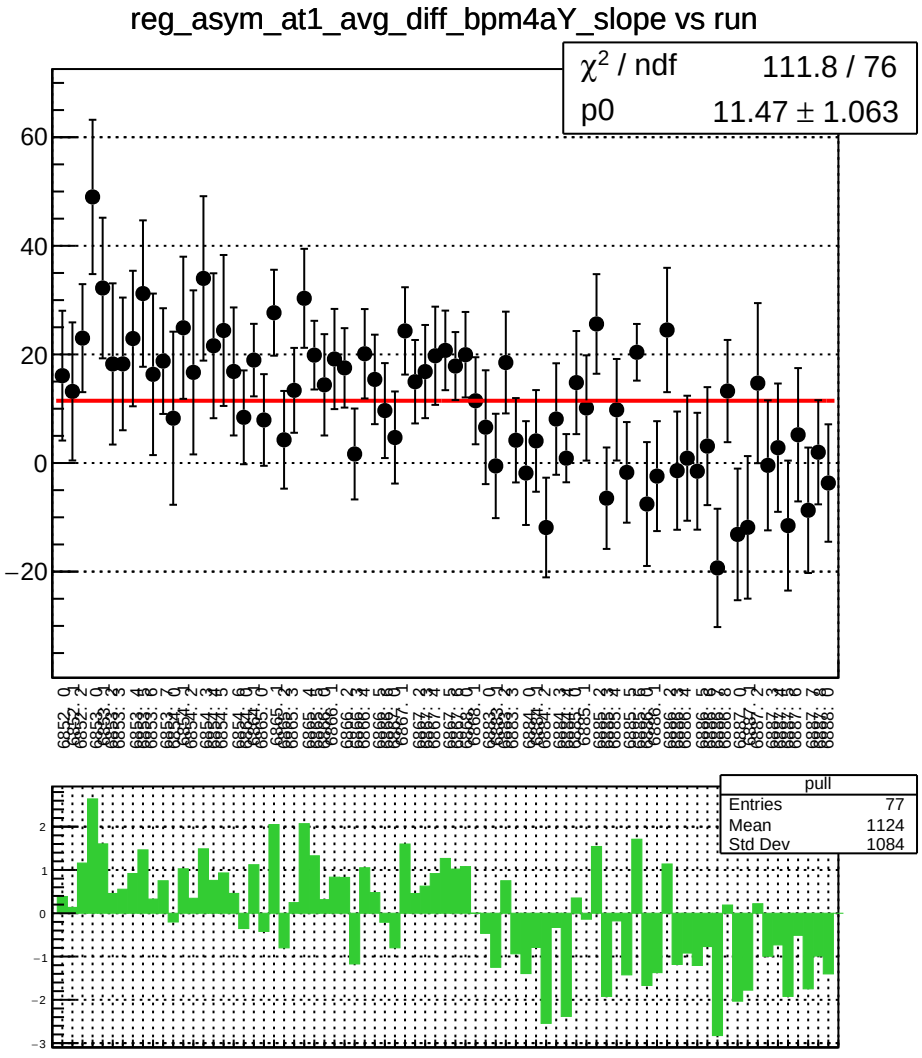

pull1D
Entries 77
Mean −0.03194
Std Dev 0.7561

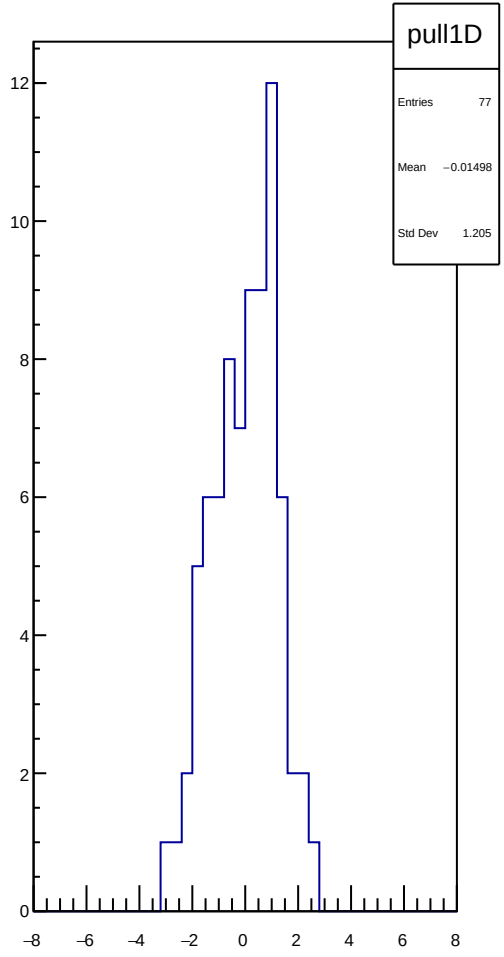

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.62 / 76
p0 −61 ± 3.224
pull
Entries 77
Mean 84.04
Std Dev 39.98
pull1D
Entries 77
Mean 0.02376
Std Dev 0.435

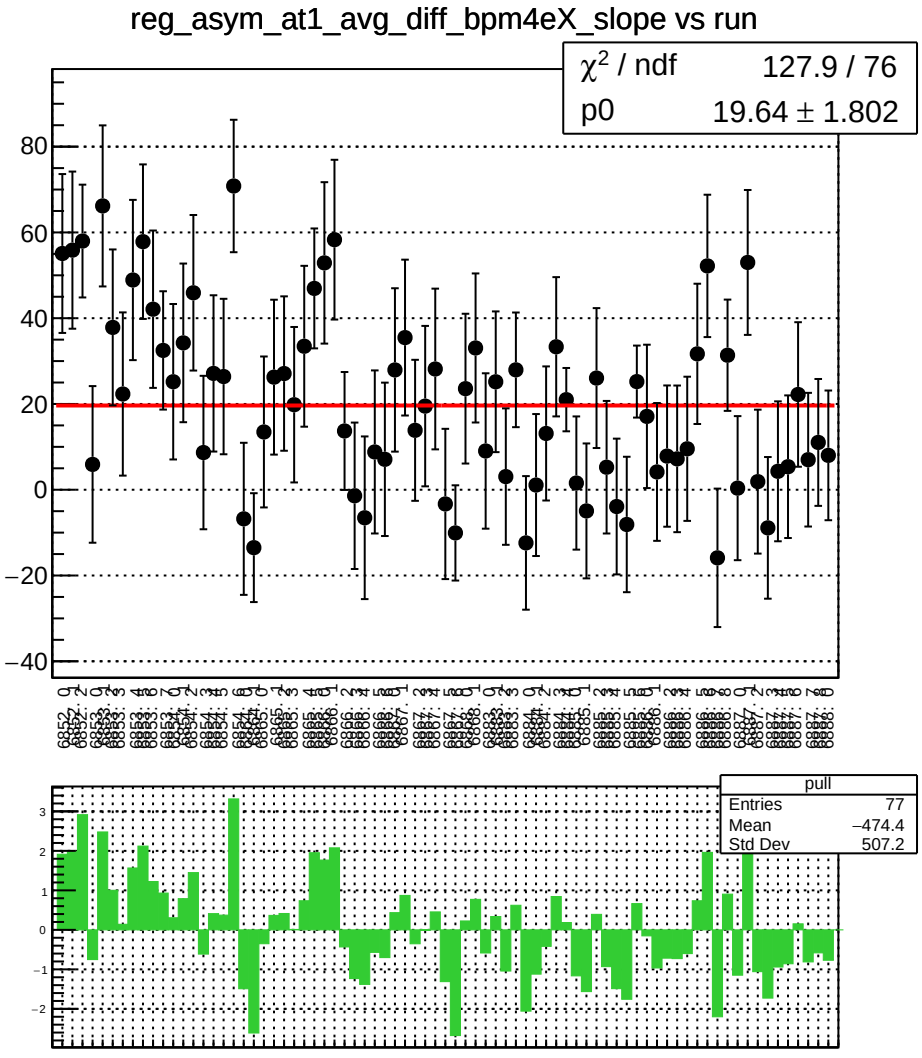

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.99 / 76
p0 120.1 ± 0.1841
124
123
122
121
120
119
118
117
pull
Entries 77
Mean 264.6
Std Dev 222.2
1
0.5
0
−0.5
−1

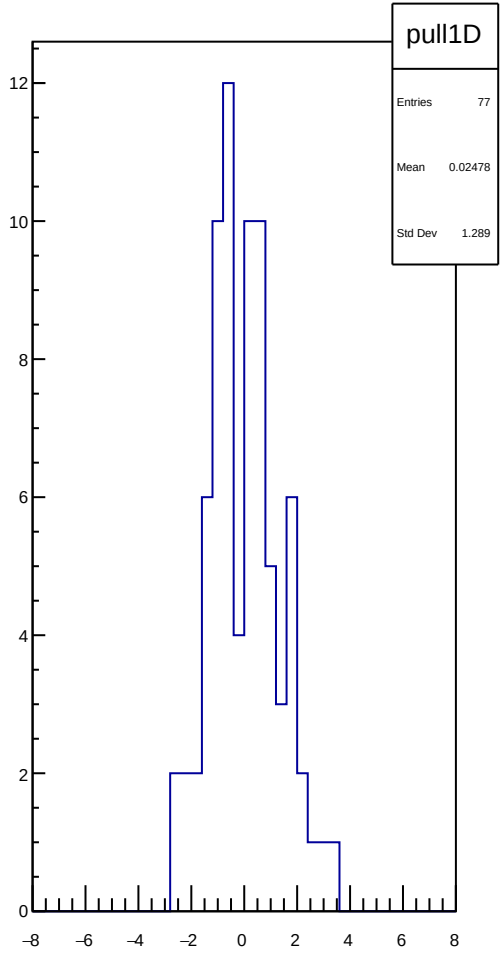

pull1D
Entries 77
Mean 0.01436
Std Dev 0.4832
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

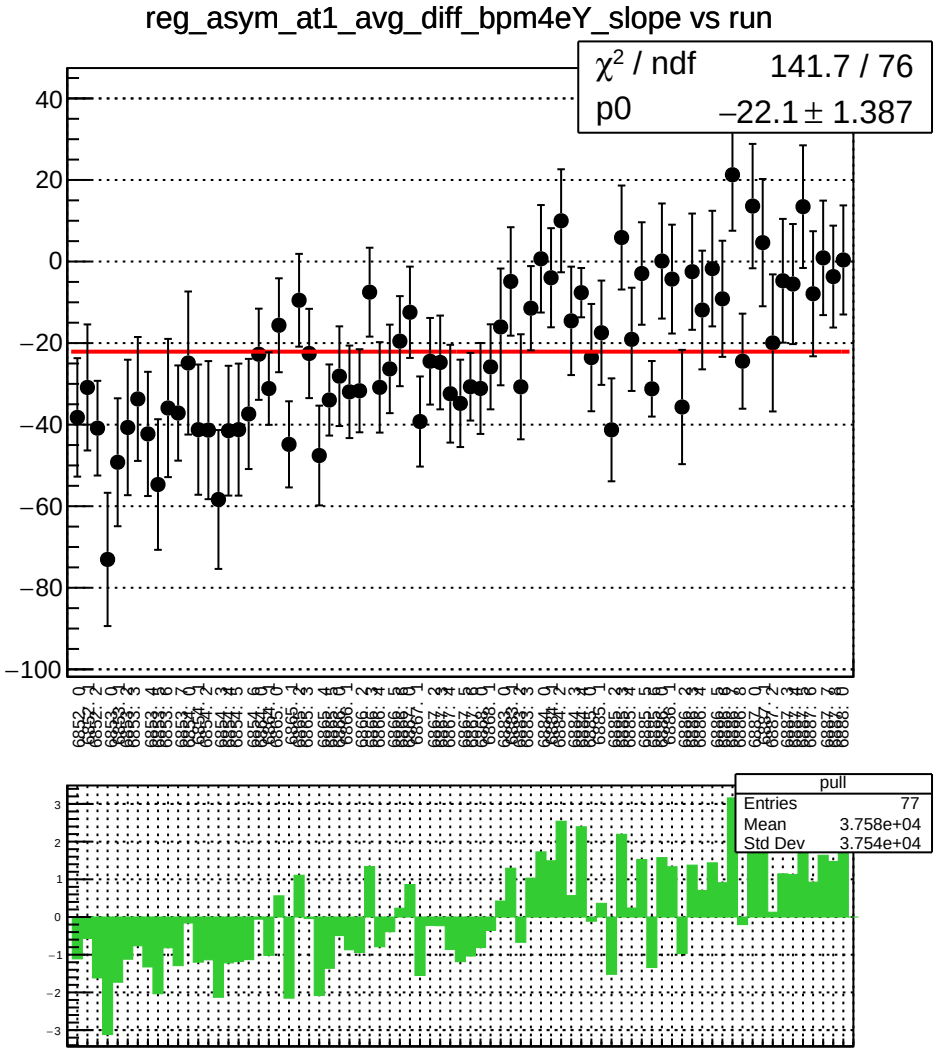

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 135.6 / 76
p0 −31.43 ± 1.882
pull
Entries 77
Mean −357.9
Std Dev 391.2
pull1D
Entries 77
Mean −0.03564
Std Dev 1.326

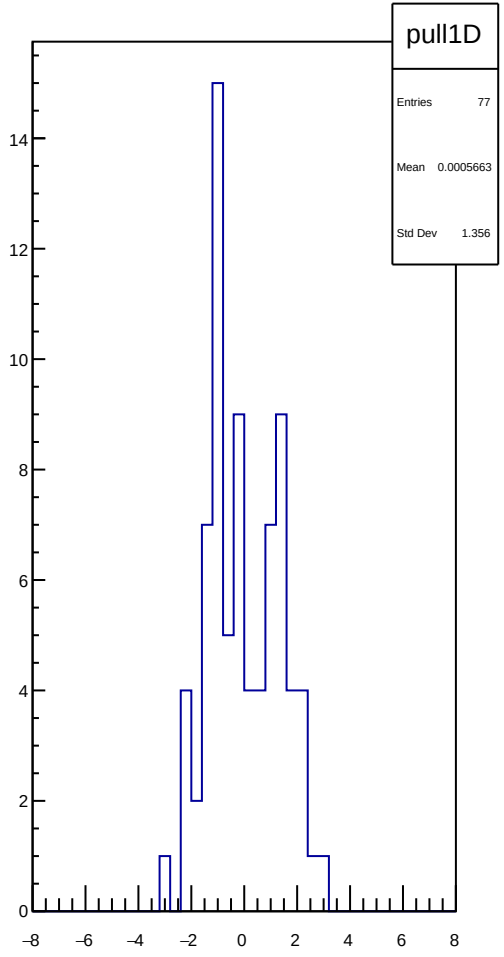

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 111.8 / 76
p0 11.47 ± 1.063
pull
Entries 77
Mean 1124
Std Dev 1084

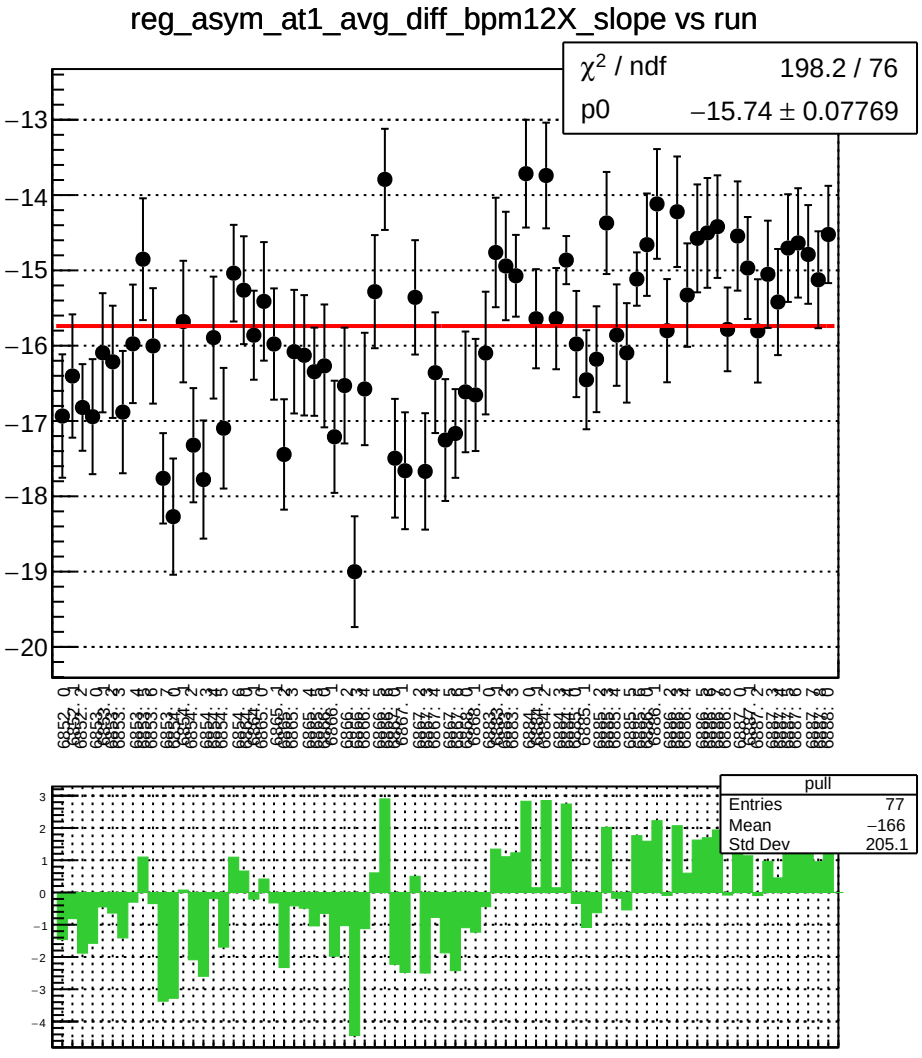

pull1D
Entries 77
Mean −0.01498
Std Dev 1.205

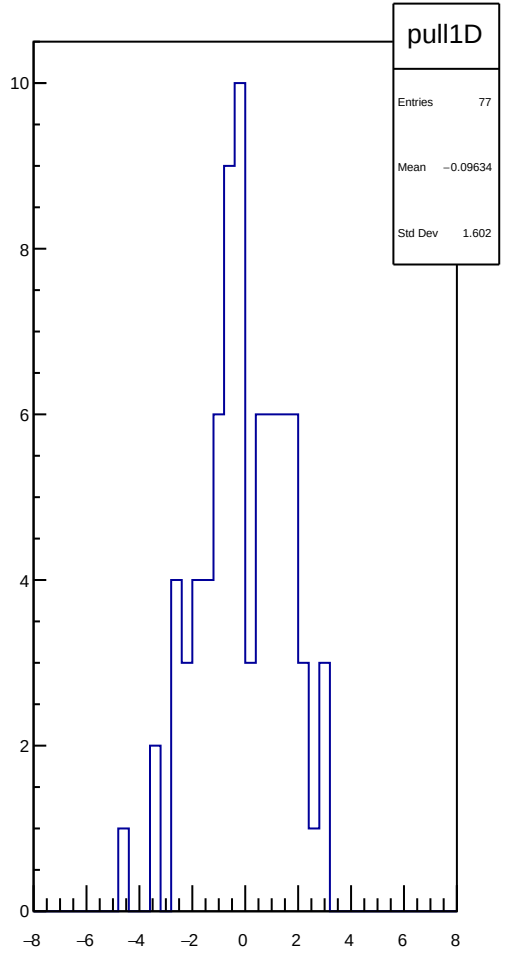

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 127.9 / 76
p0 19.64 ± 1.802
pull
Entries 77
Mean −474.4
Std Dev 507.2

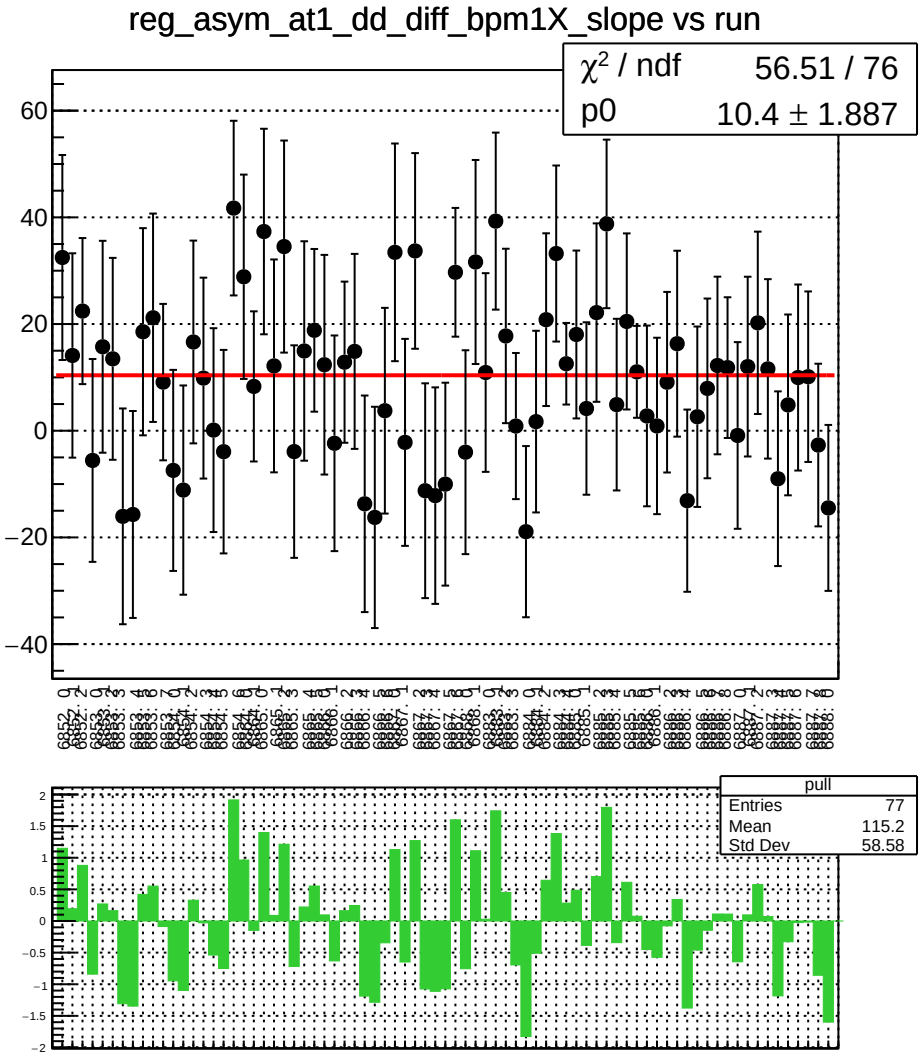

pull1D
Entries 77
Mean 0.02478
Std Dev 1.289

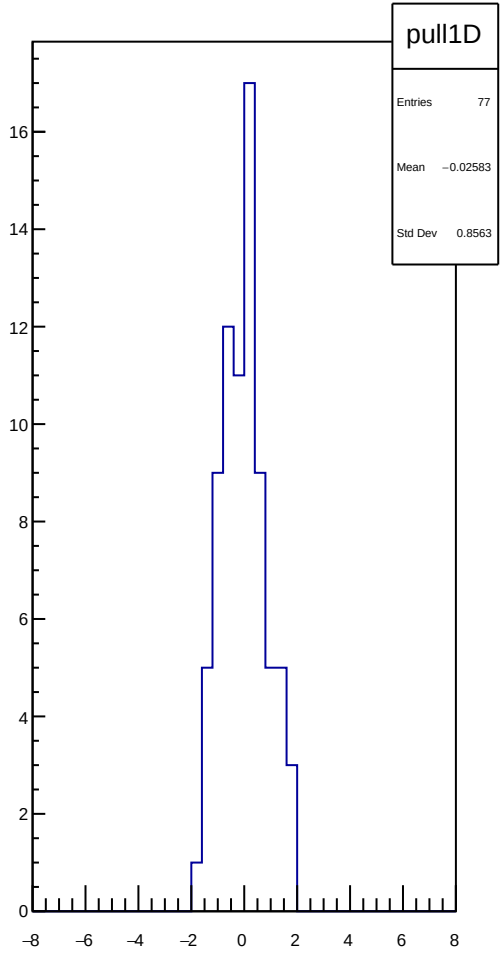

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 141.7 / 76
p0 −22.1 ± 1.387
pull
Entries 77
Mean 3.758e+04
Std Dev 3.754e+04

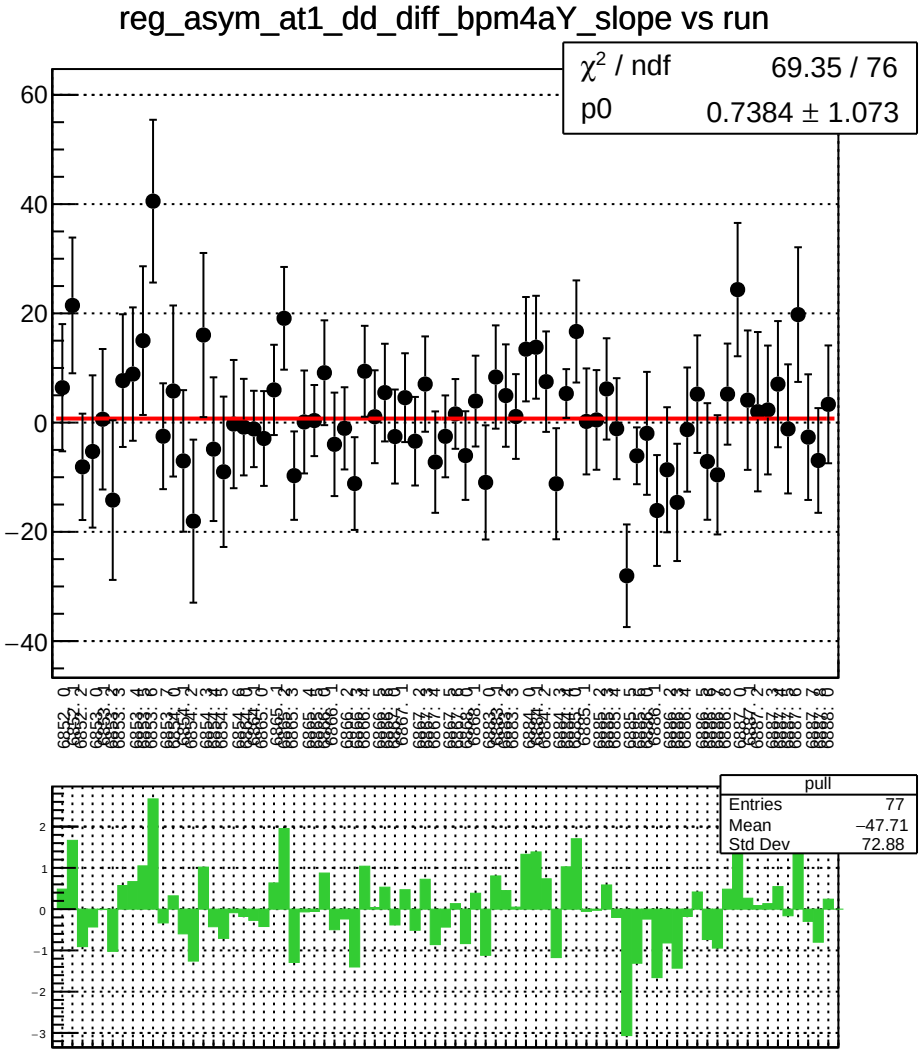

pull1D
Entries 77
Mean 0.0005663
Std Dev 1.356

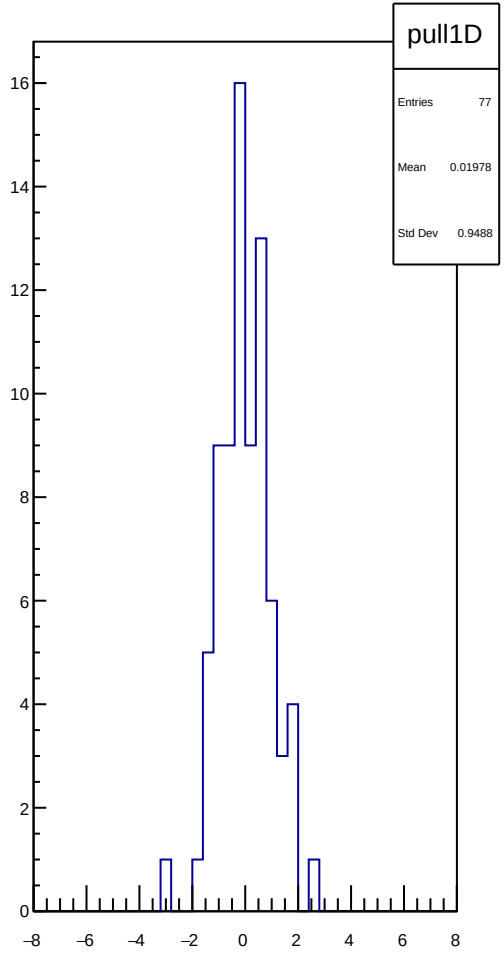

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 198.2 / 76
p0 −15.74 ± 0.07769
pull
Entries 77
Mean −166
Std Dev 205.1

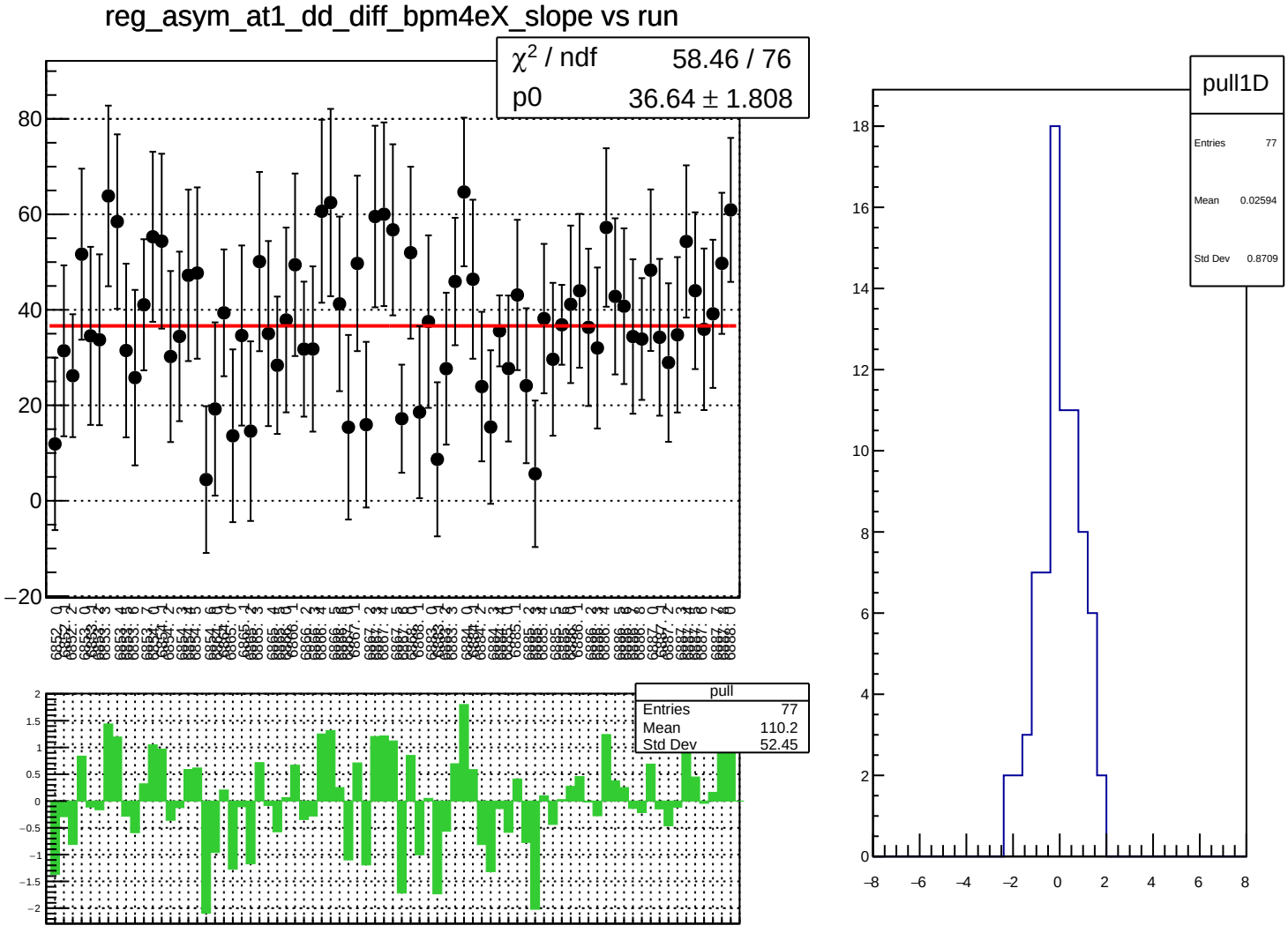

pull1D
Entries 77
Mean −0.09634
Std Dev 1.602

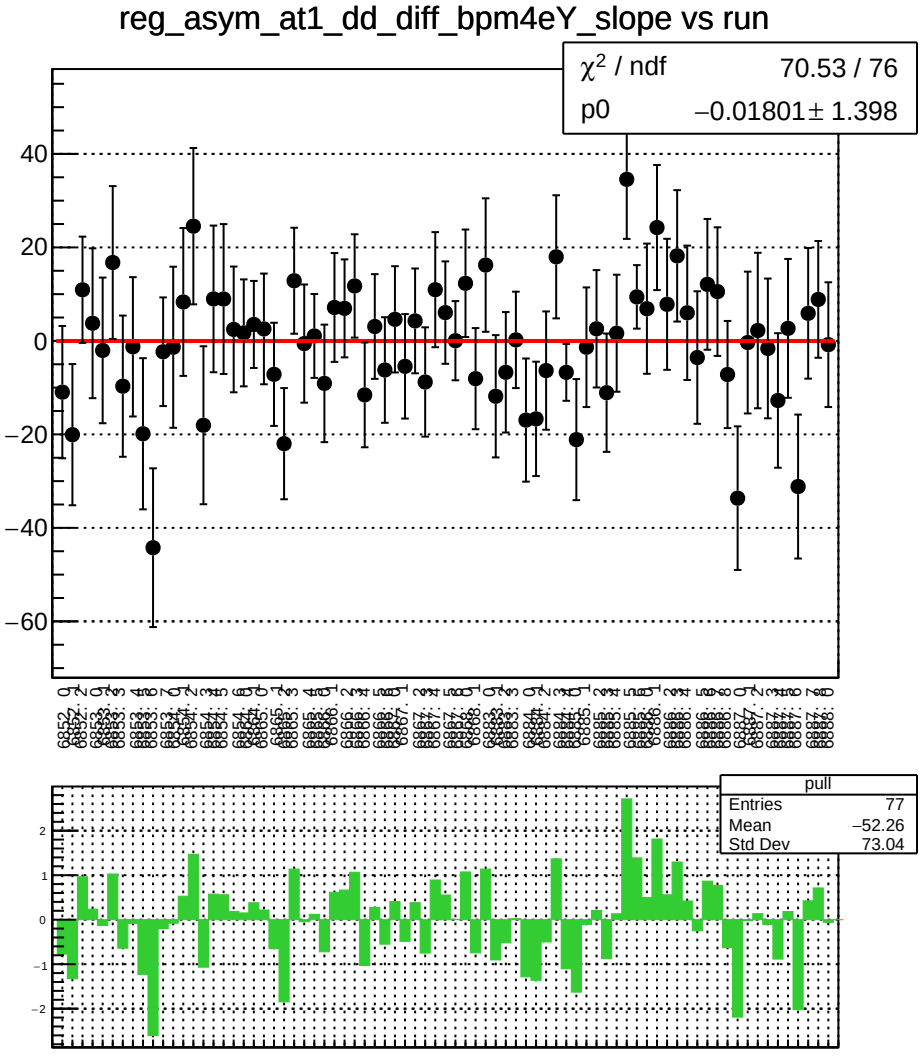

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 56.51 / 76
p0 10.4 ± 1.887
pull
Entries 77
Mean 115.2
Std Dev 58.58

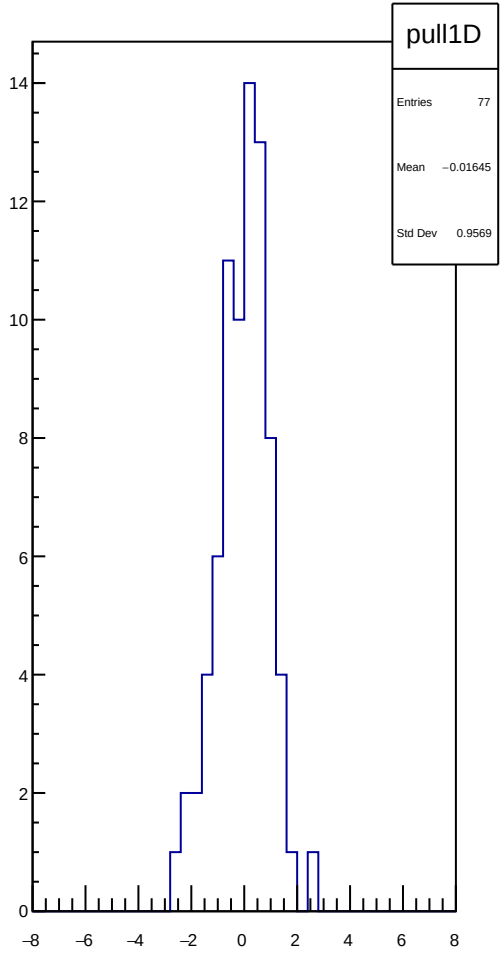

pull1D
Entries 77
Mean −0.02583
Std Dev 0.8563

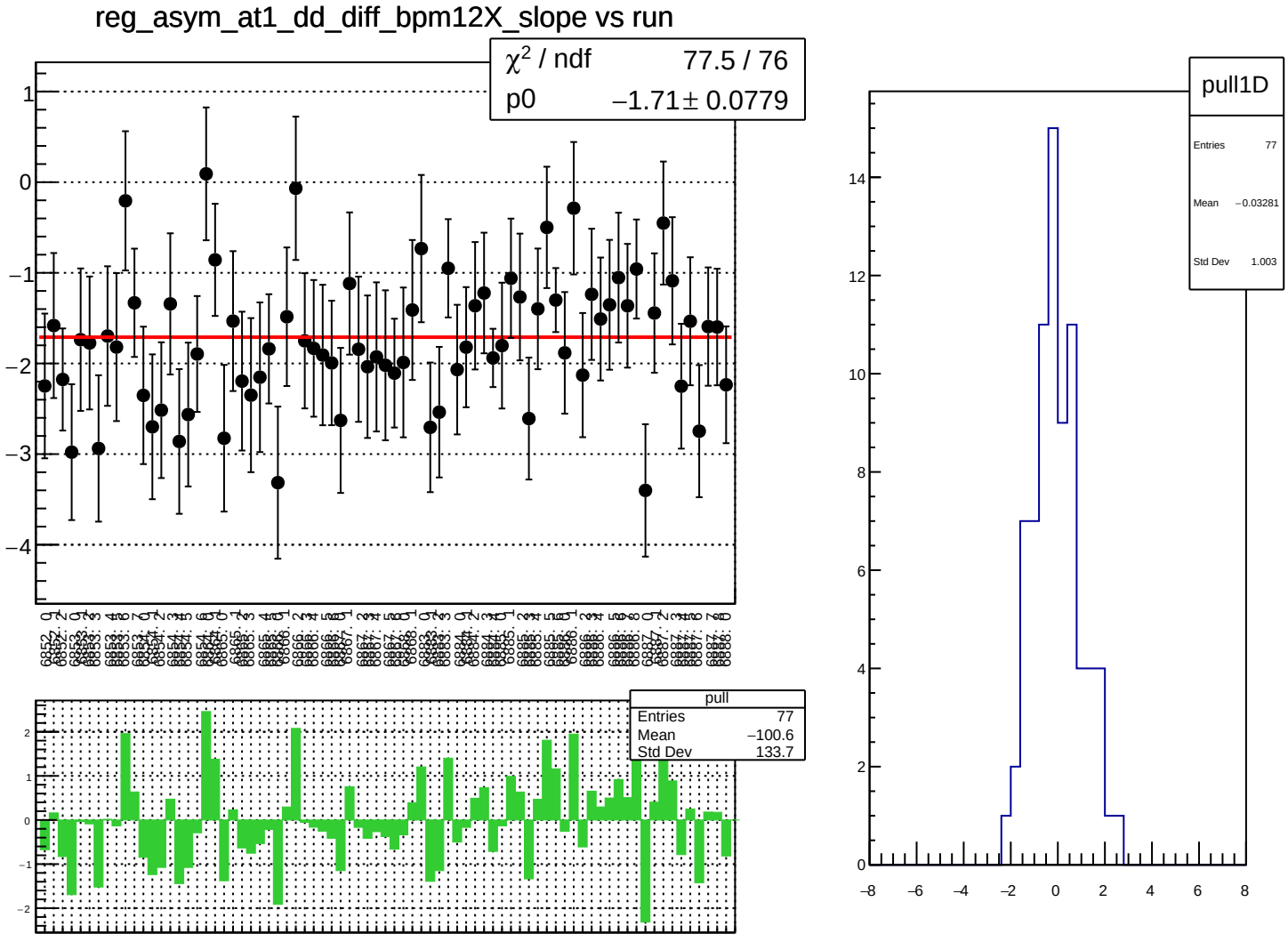

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 69.35 / 76
p0 0.7384 ± 1.073
pull
Entries 77
Mean −47.71
Std Dev 72.88

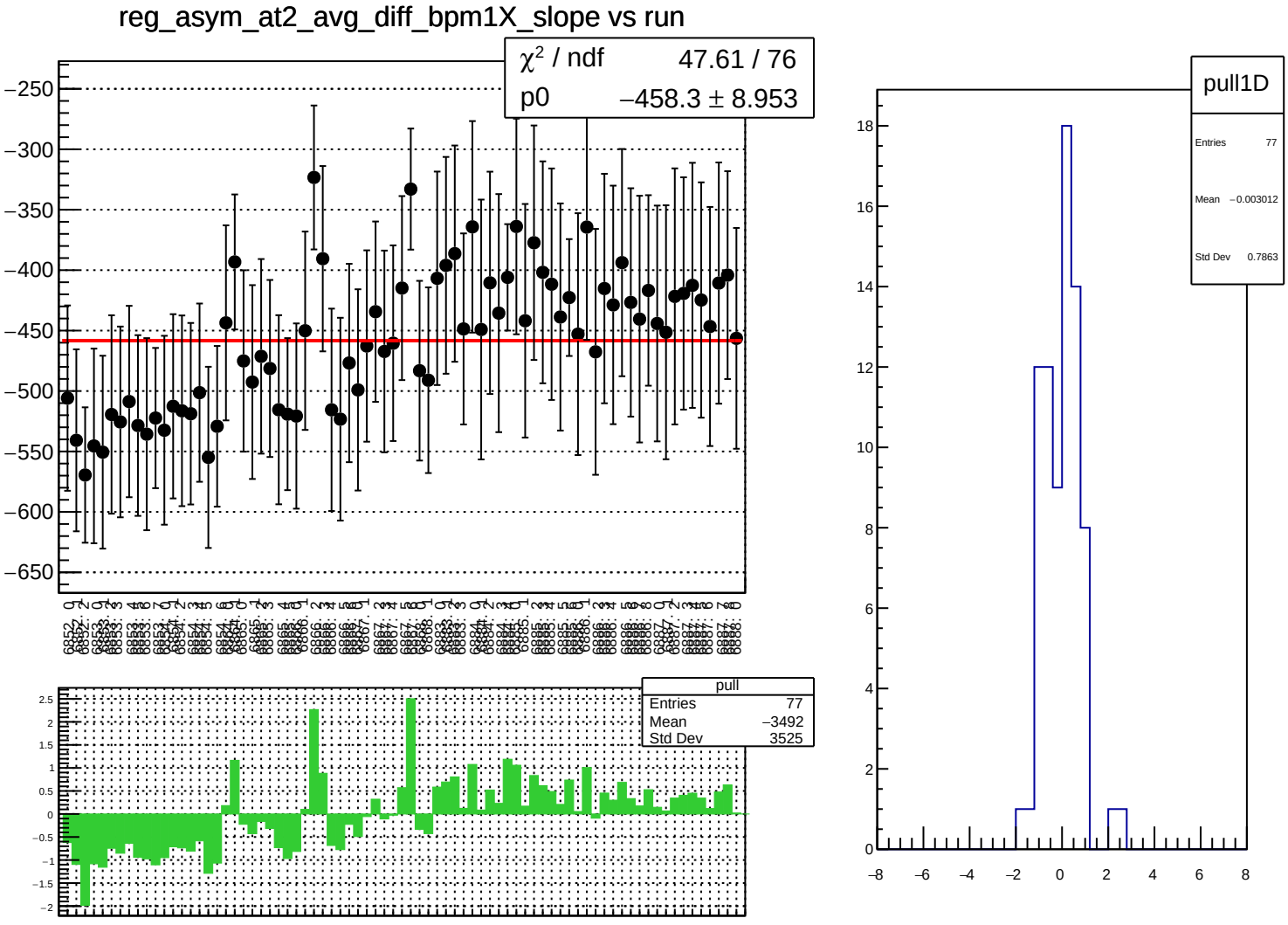

pull1D
Entries 77
Mean 0.01978
Std Dev 0.9488

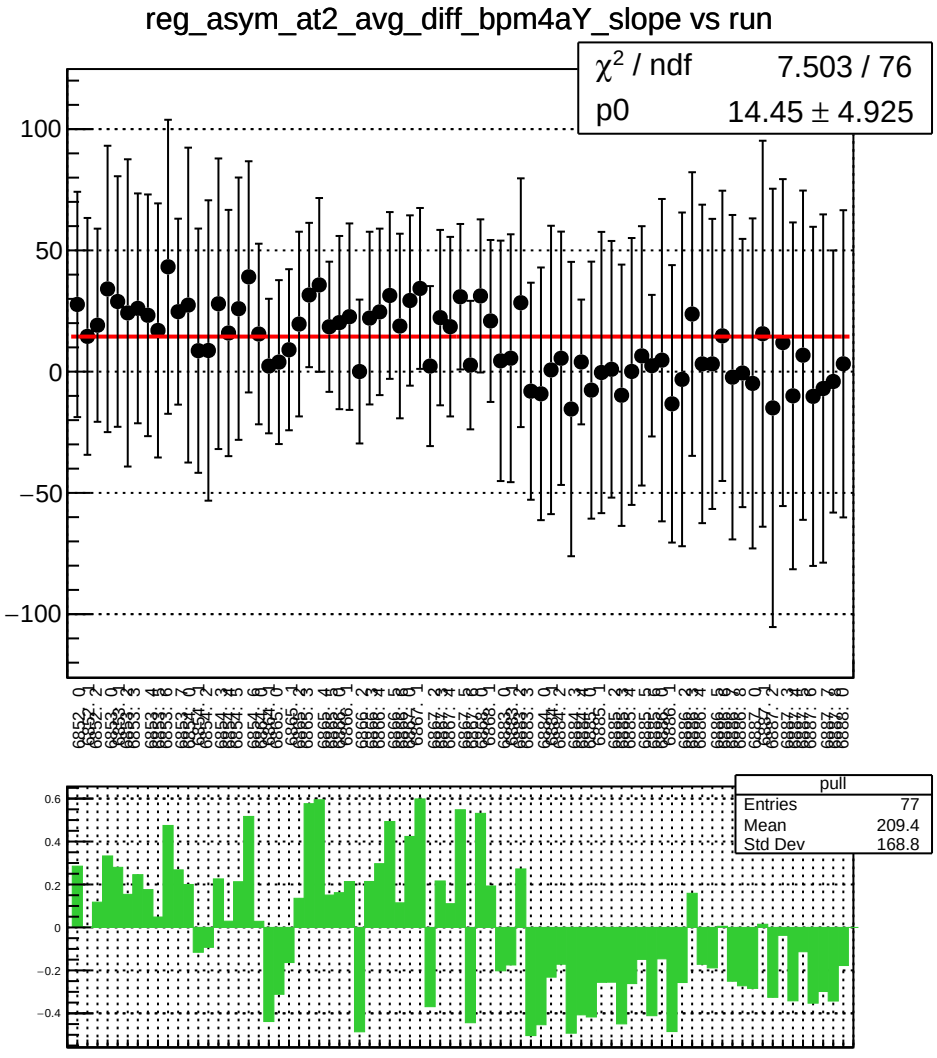

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 58.46 / 76
p0 36.64 ± 1.808
pull
Entries 77
Mean 110.2
Std Dev 52.45
pull1D
Entries 77
Mean 0.02594
Std Dev 0.8709

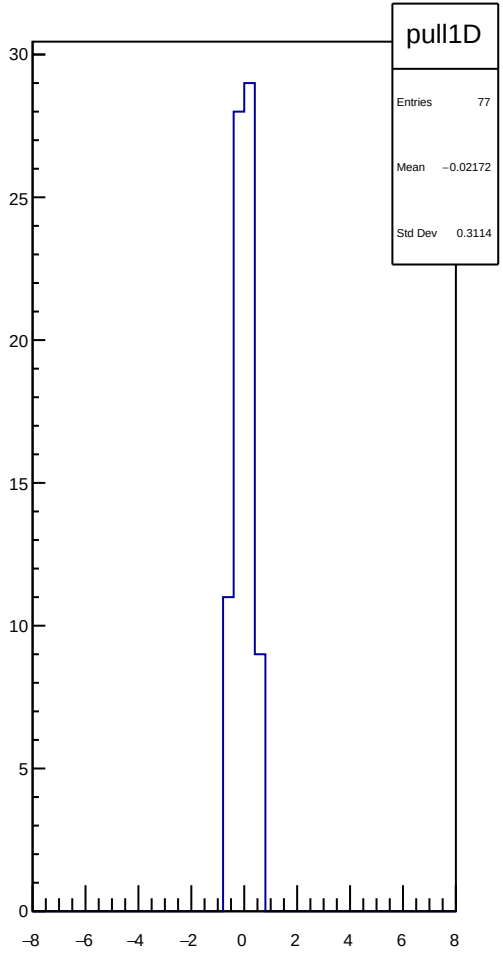

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 70.53 / 76
p0 −0.01801 ± 1.398
pull
Entries 77
Mean −52.26
Std Dev 73.04

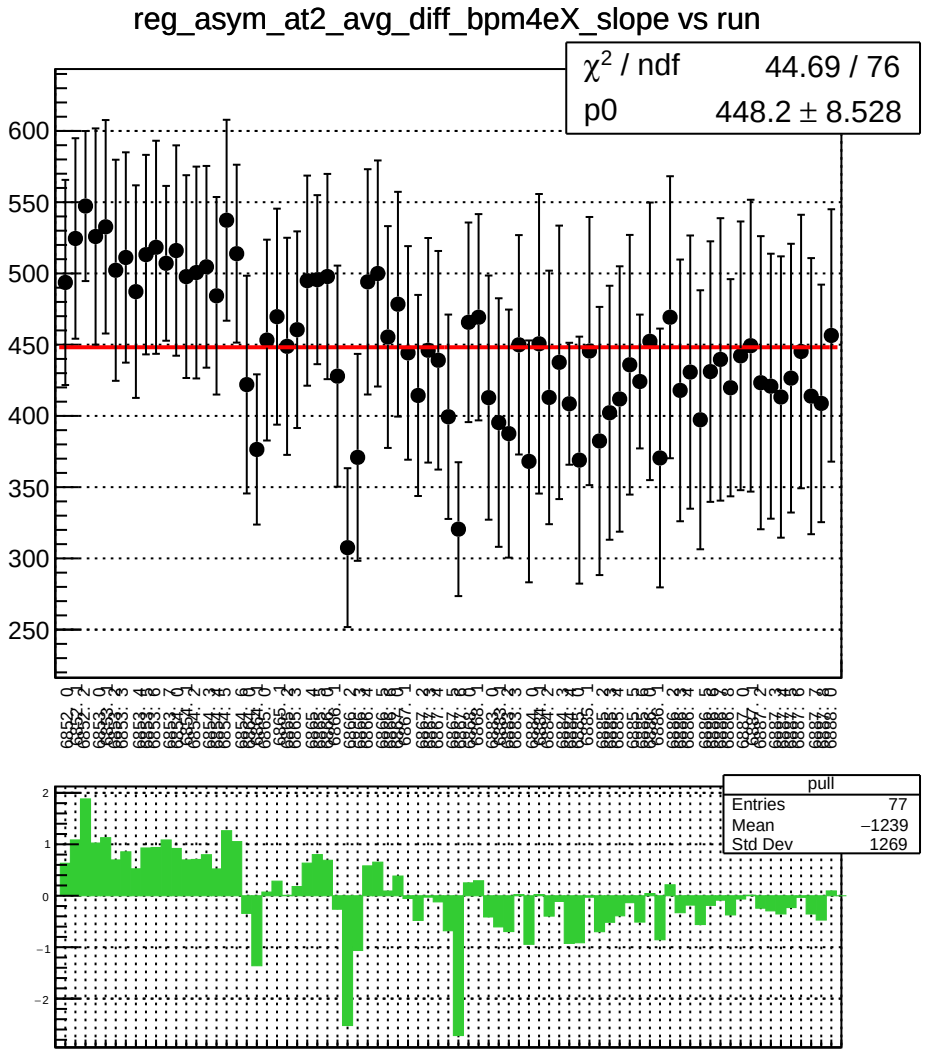

pull1D
Entries 77
Mean −0.01645
Std Dev 0.9569

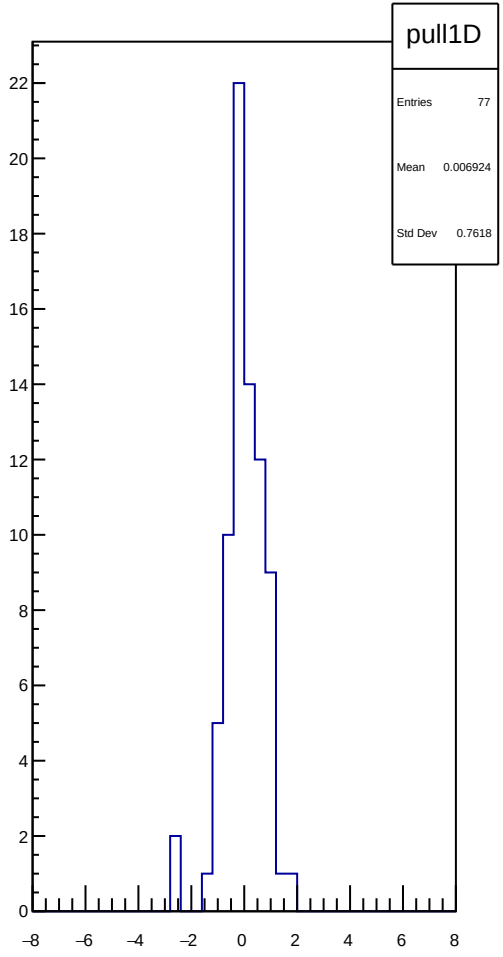

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 77.5 / 76
p0 −1.71 ± 0.0779
pull
Entries 77
Mean −100.6
Std Dev 133.7
pull1D
Entries 77
Mean −0.03281
Std Dev 1.003

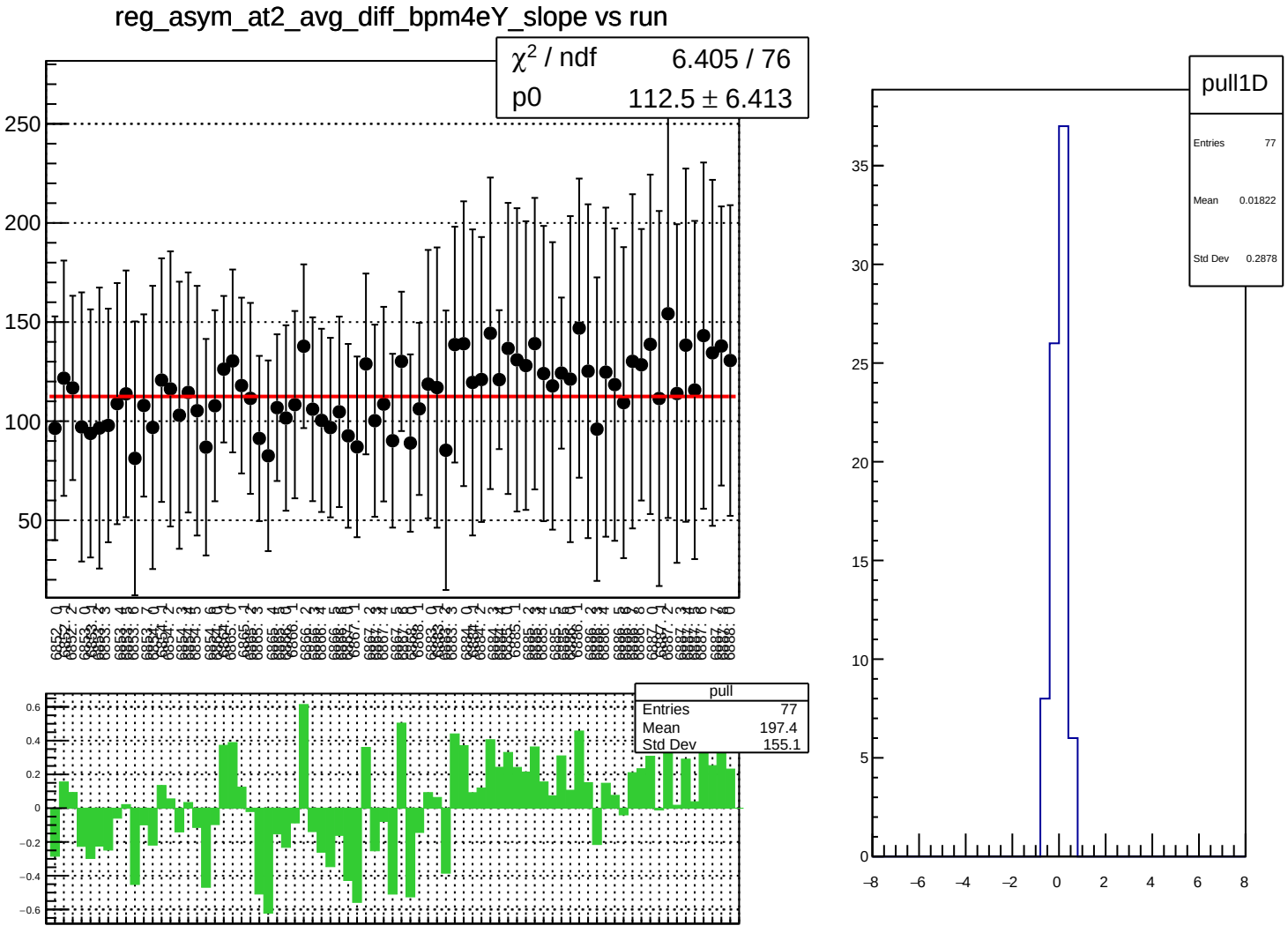

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 47.61 / 76
p0 −458.3 ± 8.953
pull
Entries 77
Mean −3492
Std Dev 3525
pull1D
Entries 77
Mean −0.003012
Std Dev 0.7863

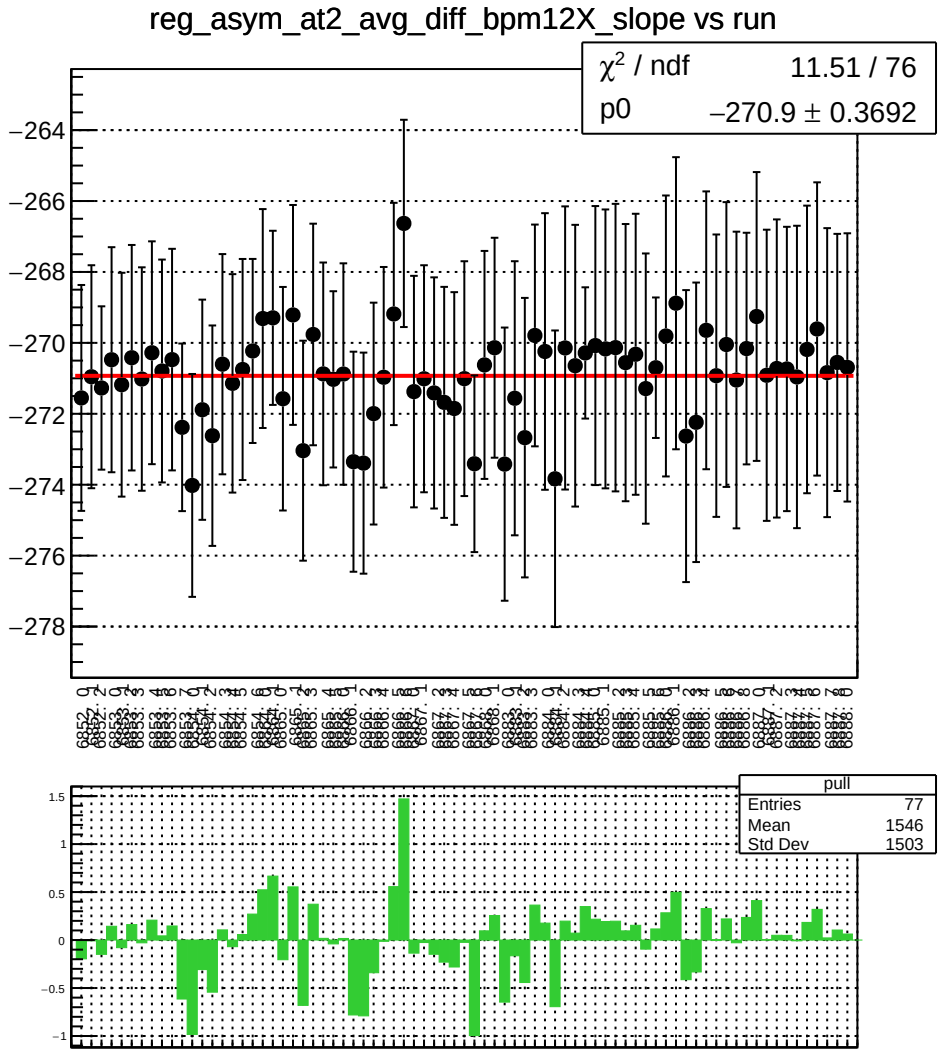

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.503 / 76
p0 14.45 ± 4.925
pull
Entries 77
Mean 209.4
Std Dev 168.8

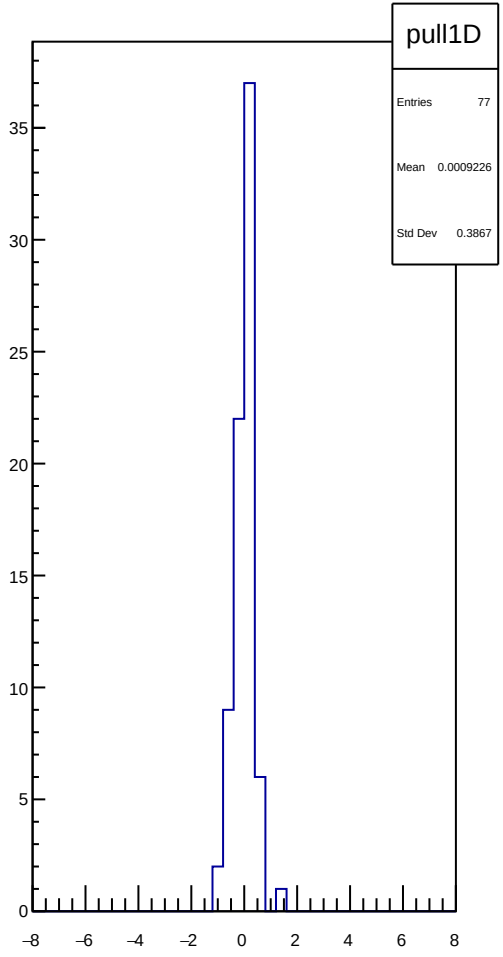

pull1D
Entries 77
Mean −0.02172
Std Dev 0.3114

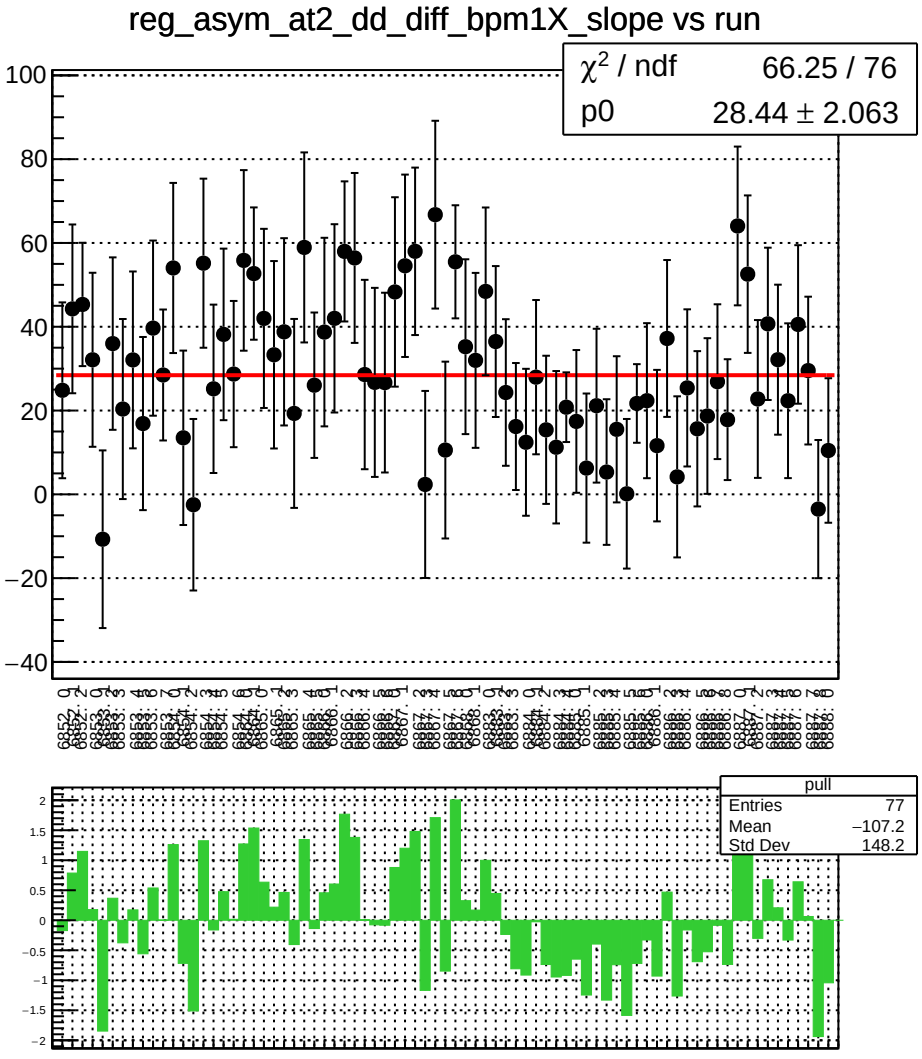

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 44.69 / 76
p0 448.2 ± 8.528
pull
Entries 77
Mean −1239
Std Dev 1269

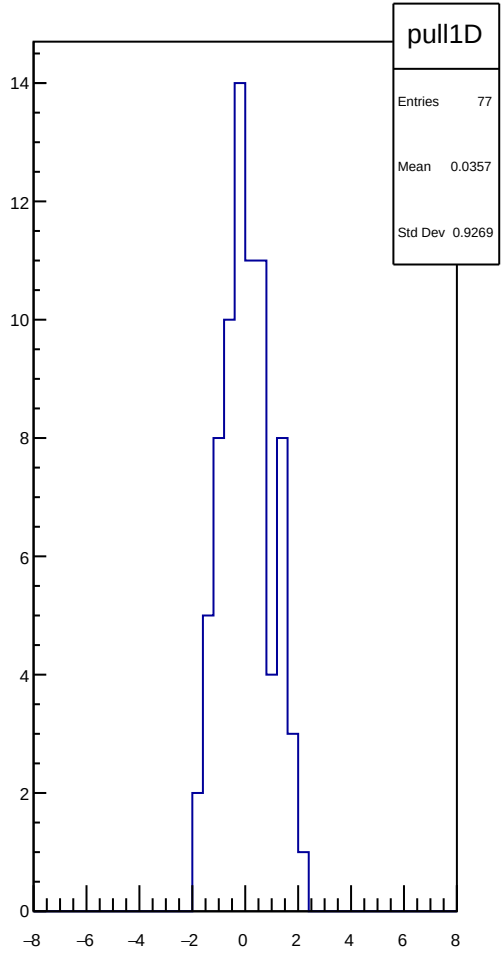

pull1D
Entries 77
Mean 0.006924
Std Dev 0.7618

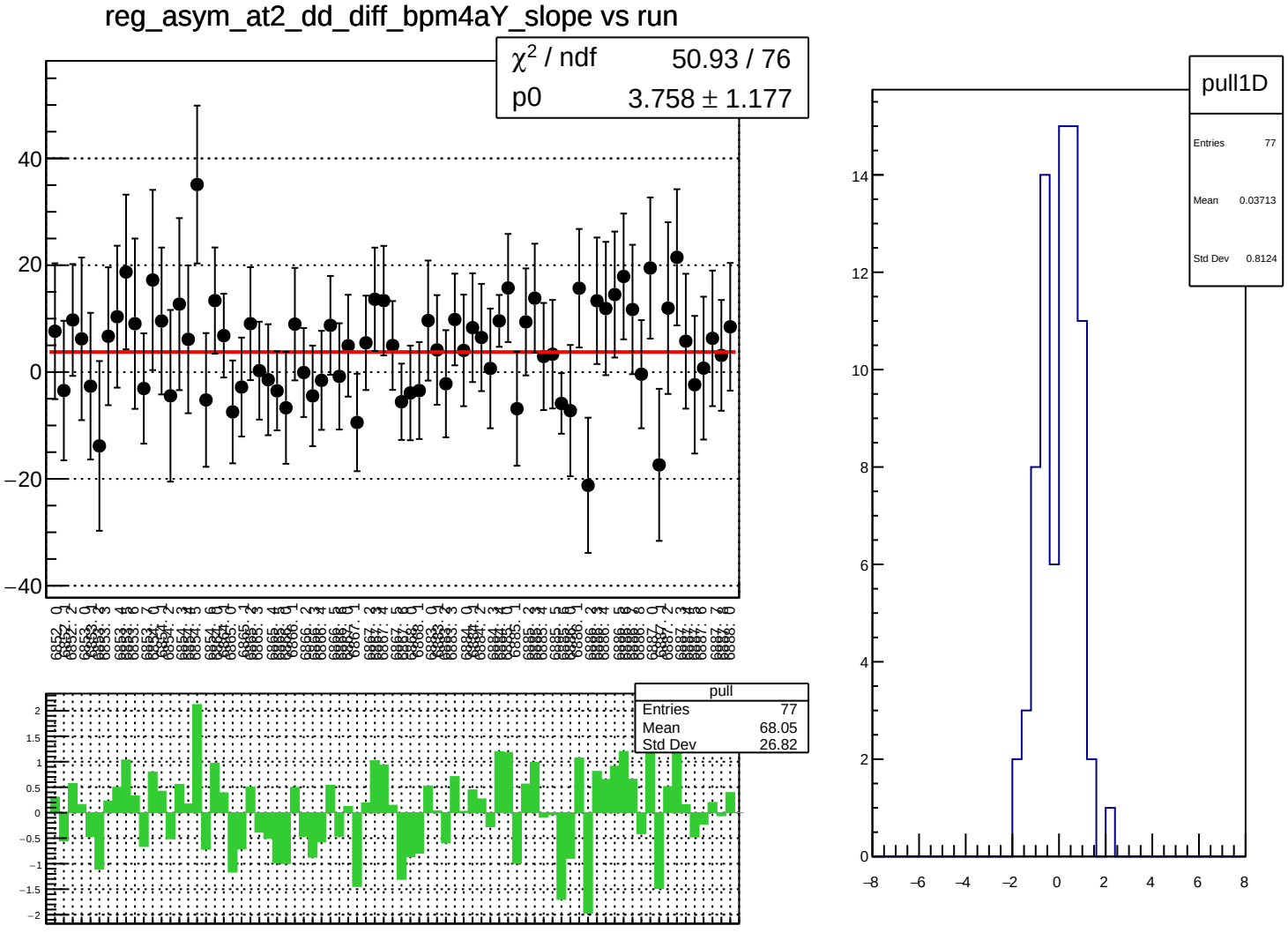

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 6.405 / 76
p0 112.5 ± 6.413
pull
Entries 77
Mean 197.4
Std Dev 155.1
pull1D
Entries 77
Mean 0.01822
Std Dev 0.2878

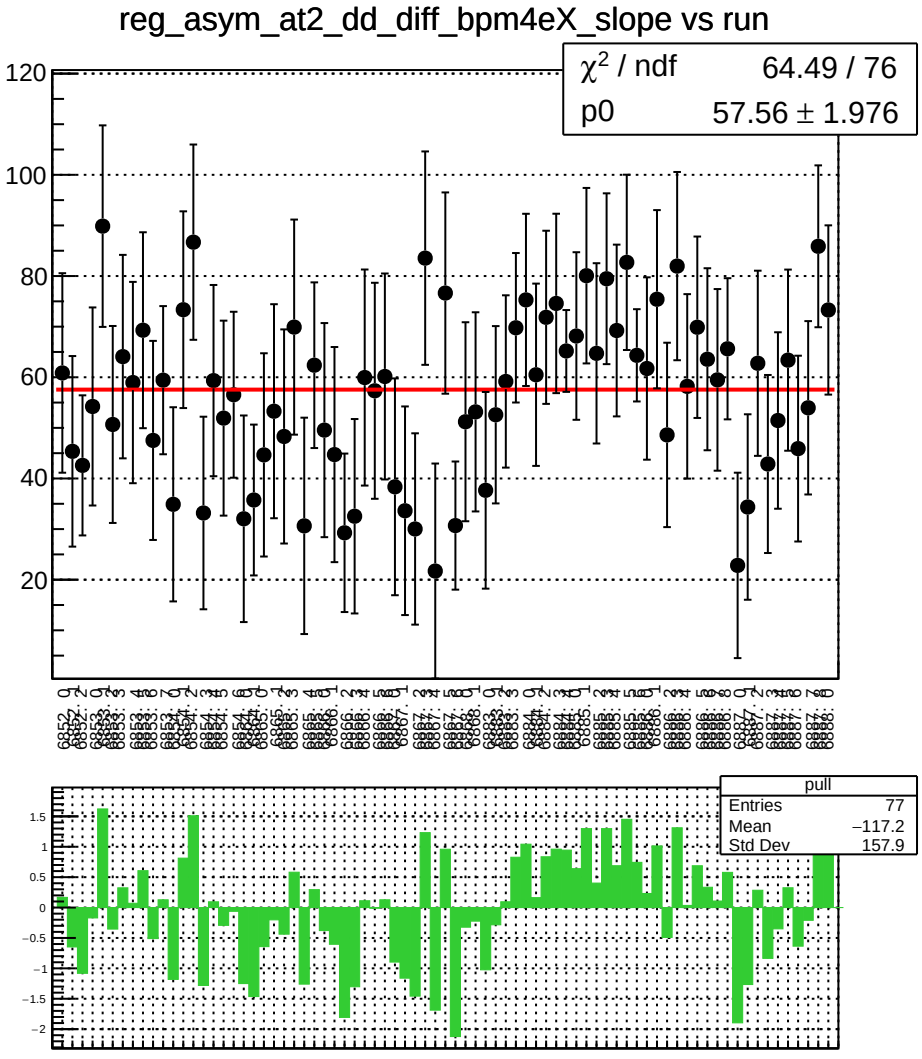

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.51 / 76
p0 −270.9 ± 0.3692
pull
Entries 77
Mean 1546
Std Dev 1503

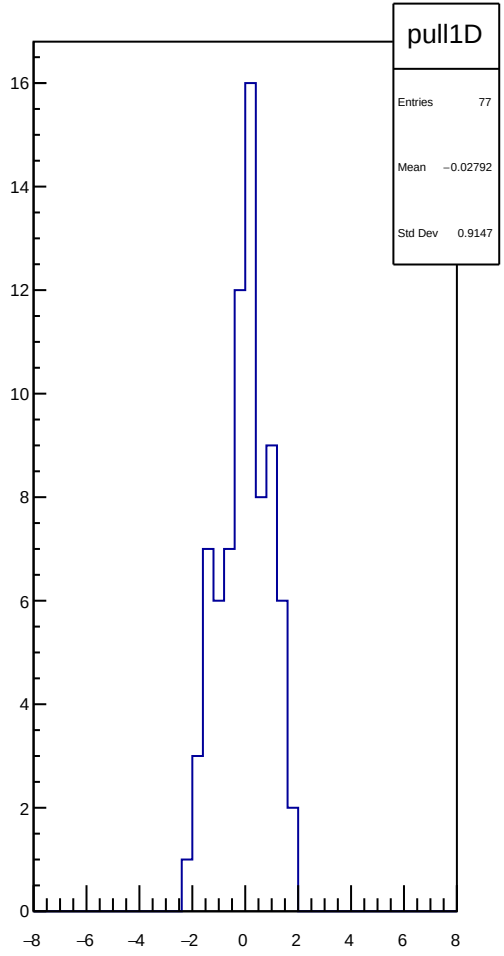

pull1D
Entries 77
Mean 0.0009226
Std Dev 0.3867

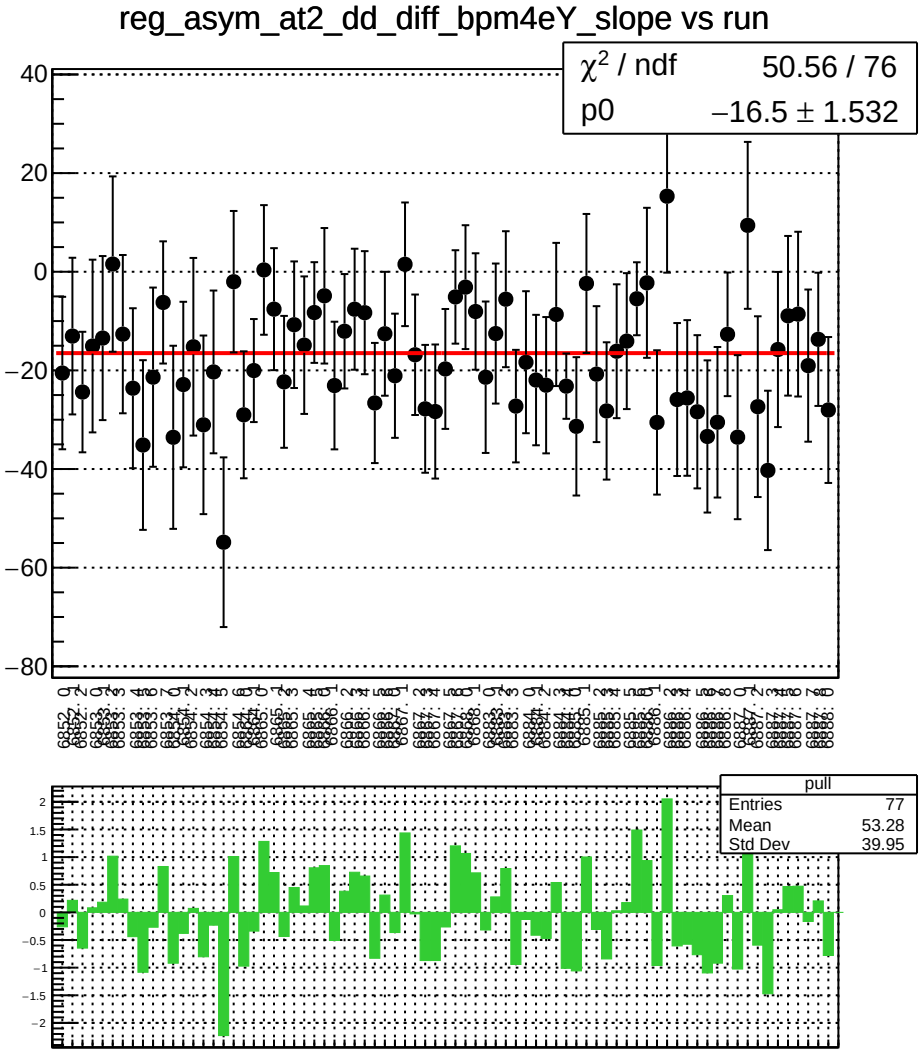

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 66.25 / 76
p0 28.44 ± 2.063
pull
Entries 77
Mean −107.2
Std Dev 148.2

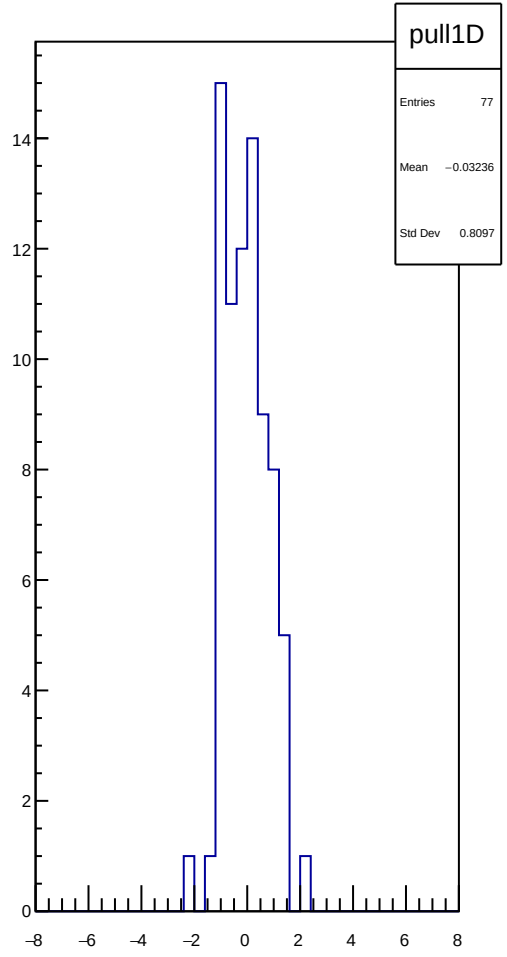

pull1D
Entries 77
Mean 0.0357
Std Dev 0.9269

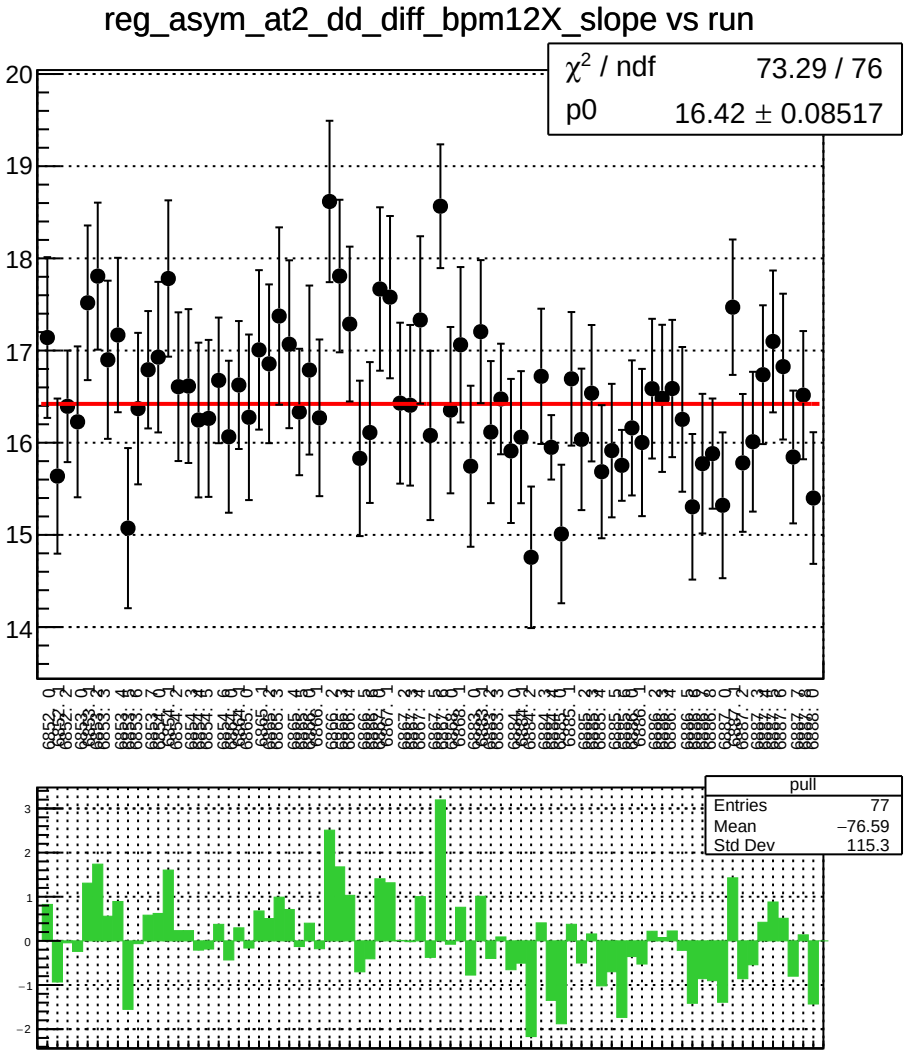

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.93 / 76
p0 3.758 ± 1.177
pull
Entries 77
Mean 68.05
Std Dev 26.82
pull1D
Entries 77
Mean 0.03713
Std Dev 0.8124

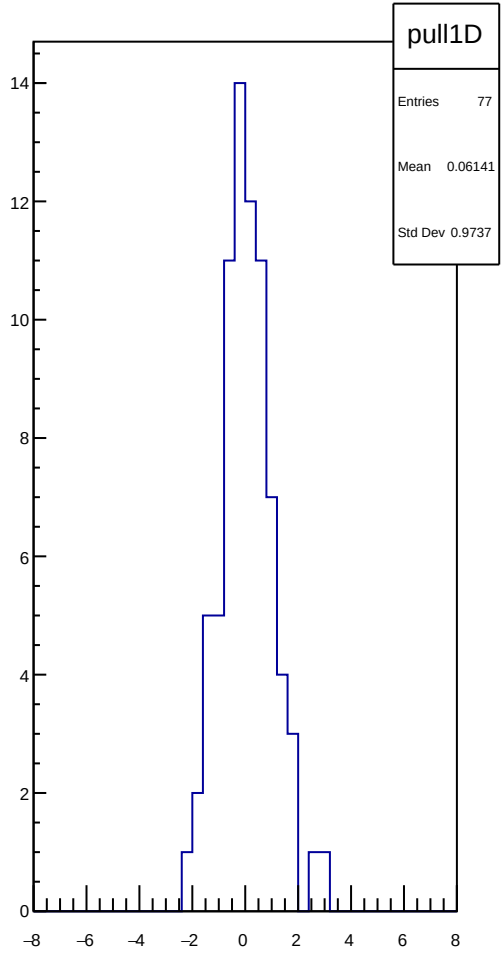

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 64.49 / 76
p0 57.56 ± 1.976
pull
Entries 77
Mean −117.2
Std Dev 157.9

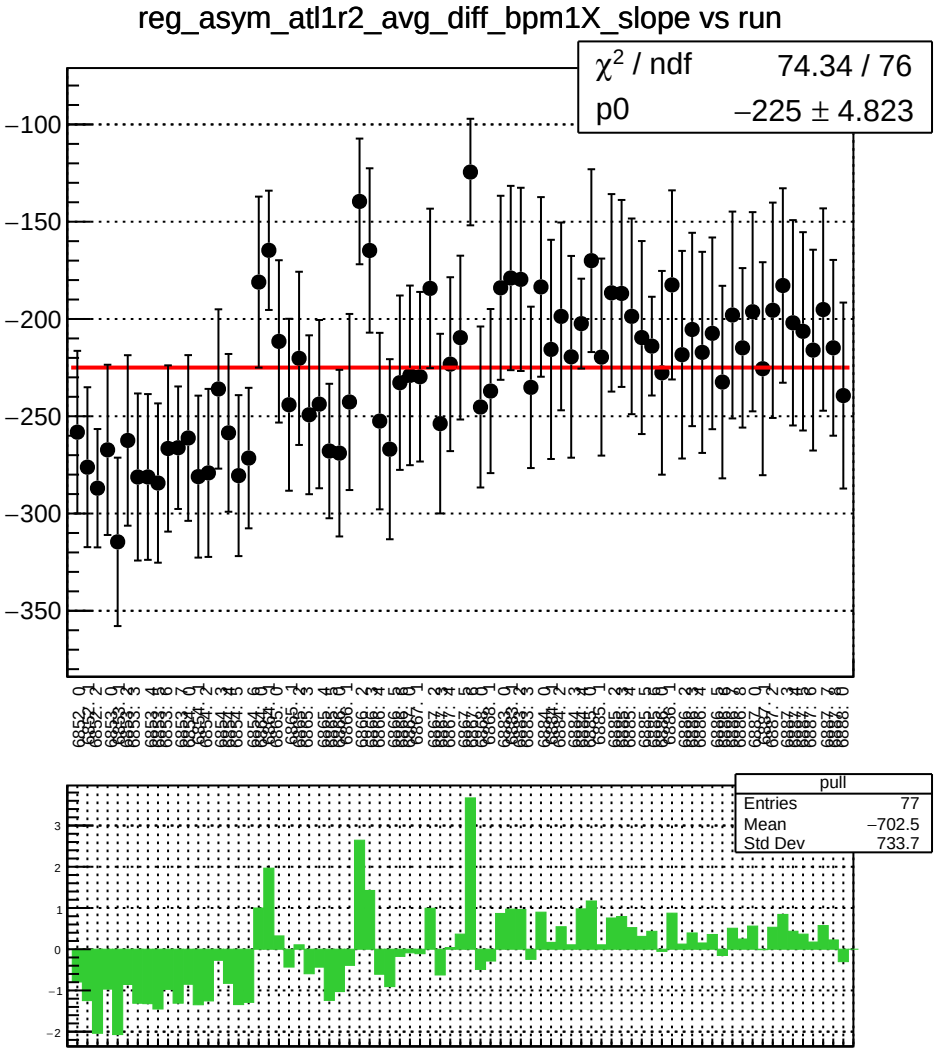

pull1D
Entries 77
Mean −0.02792
Std Dev 0.9147

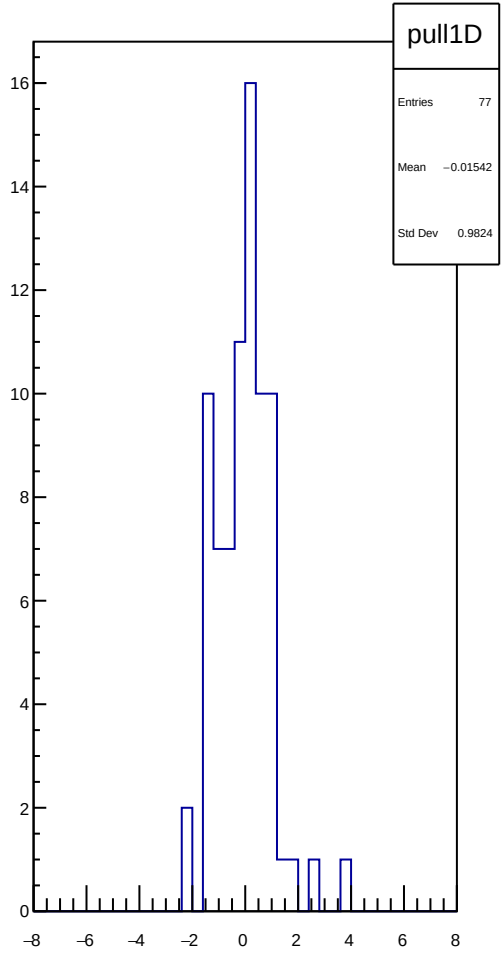

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 50.56 / 76
p0 −16.5 ± 1.532
pull
Entries 77
Mean 53.28
Std Dev 39.95

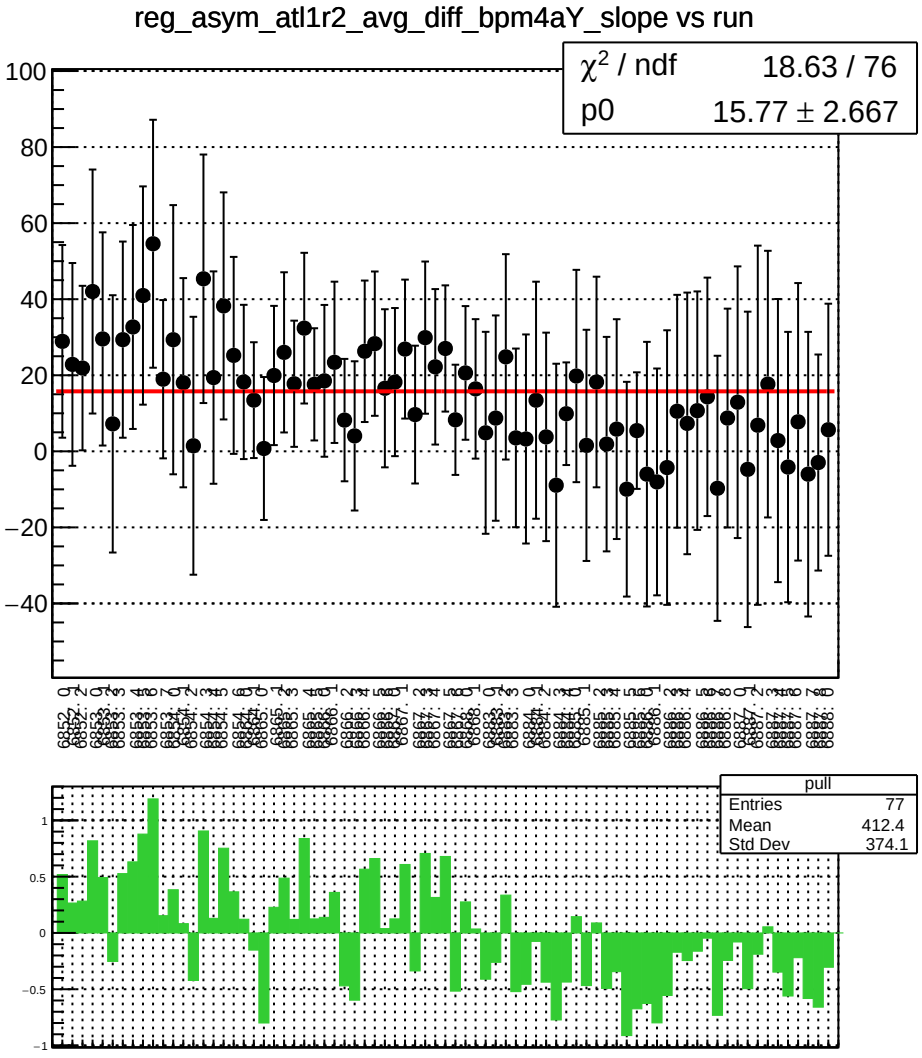

pull1D
Entries 77
Mean −0.03236
Std Dev 0.8097

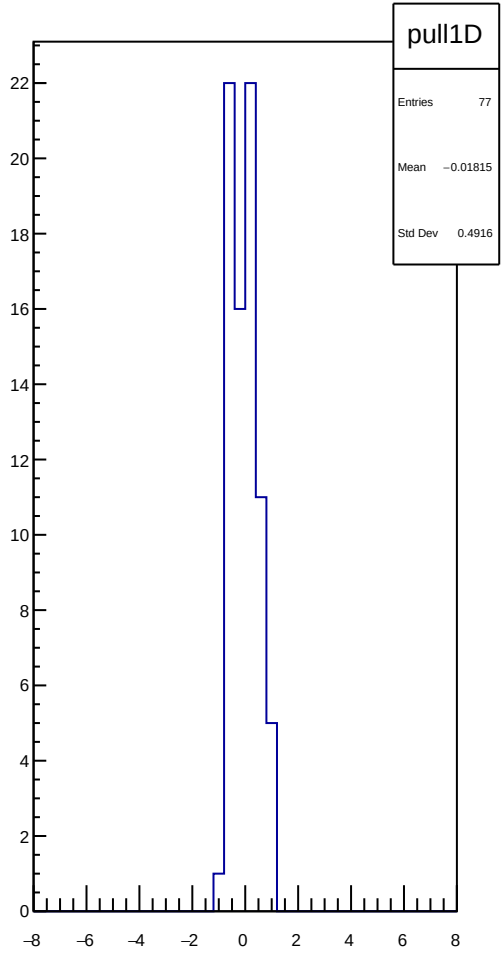

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 73.29 / 76
p0 16.42 ± 0.08517
pull
Entries 77
Mean −76.59
Std Dev 115.3

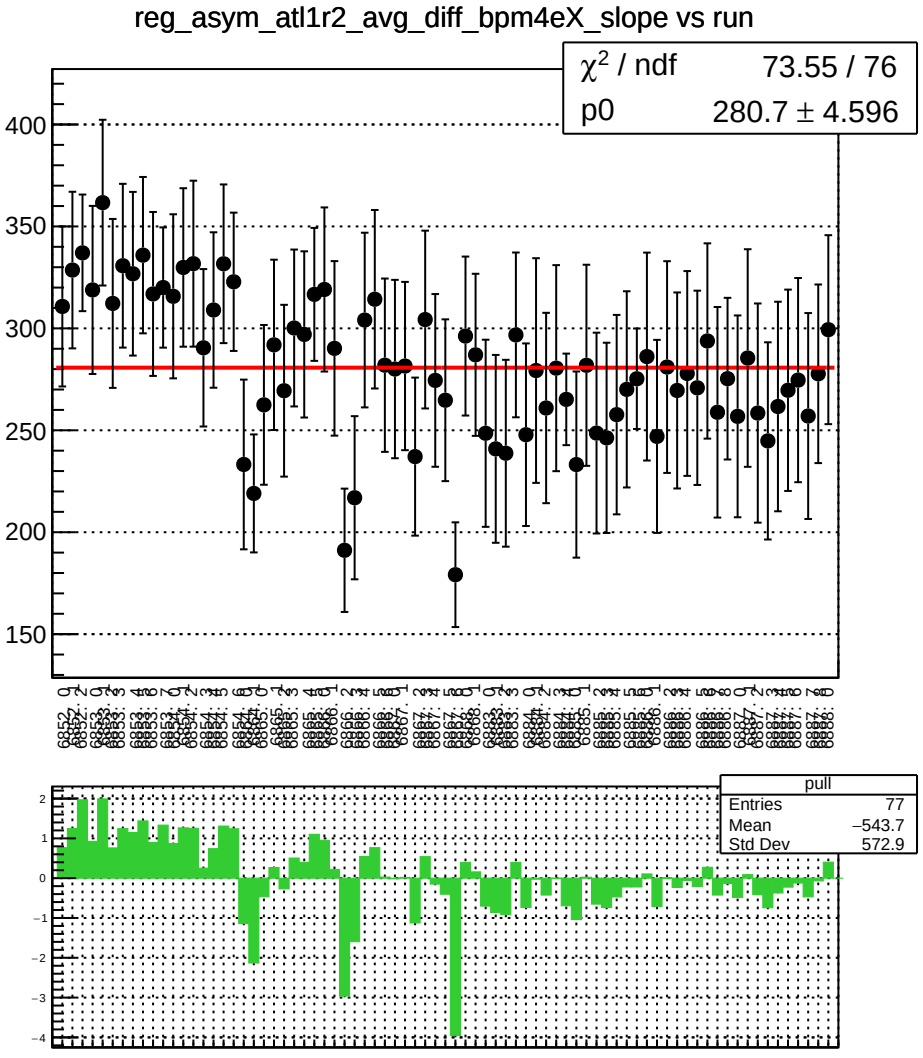

pull1D
Entries 77
Mean 0.06141
Std Dev 0.9737

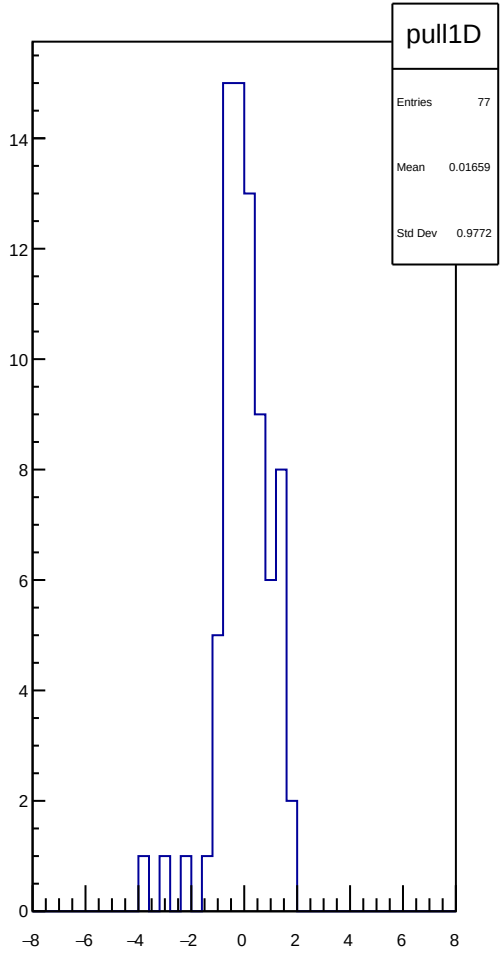

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 74.34 / 76
p0 −225 ± 4.823
pull
Entries 77
Mean −702.5
Std Dev 733.7

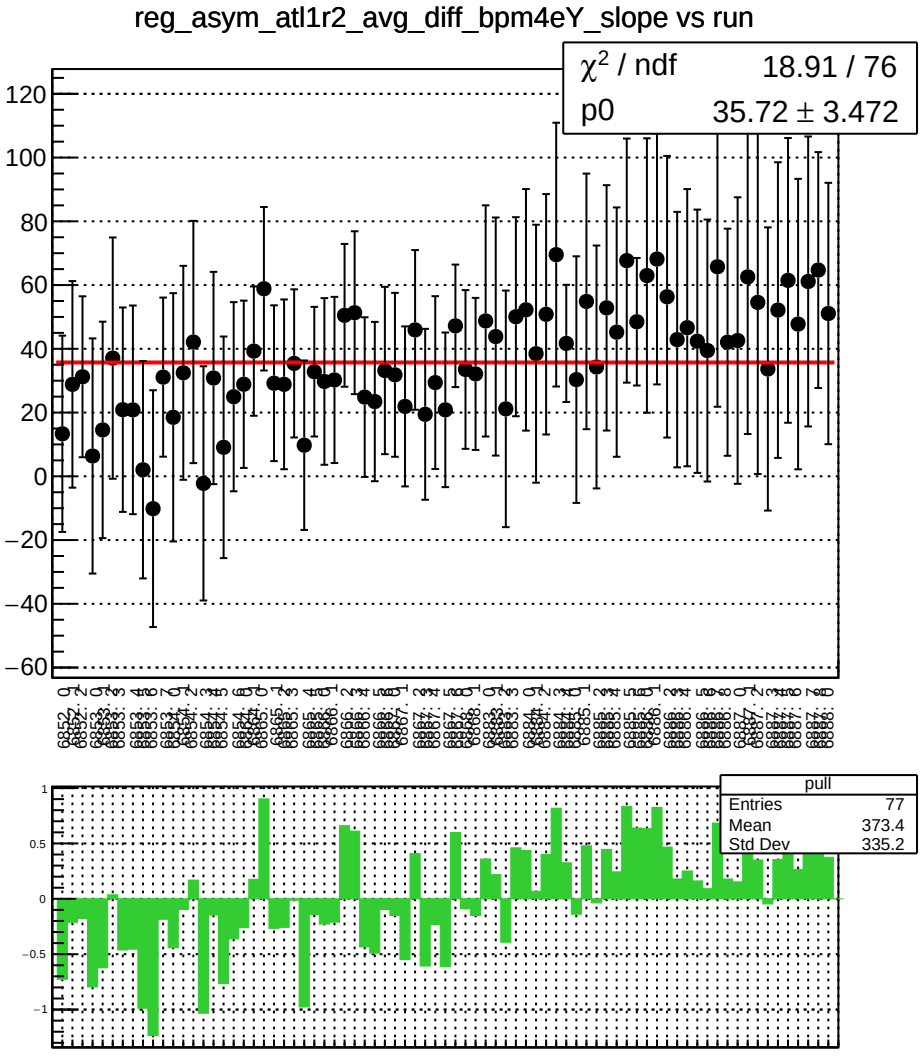

pull1D
Entries 77
Mean −0.01542
Std Dev 0.9824

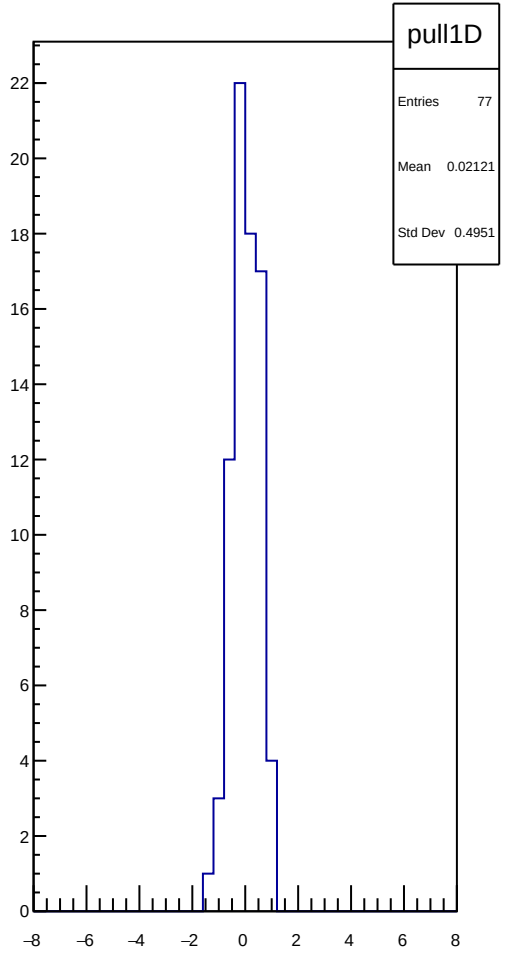

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.63 / 76
p0 15.77 ± 2.667
pull
Entries 77
Mean 412.4
Std Dev 374.1

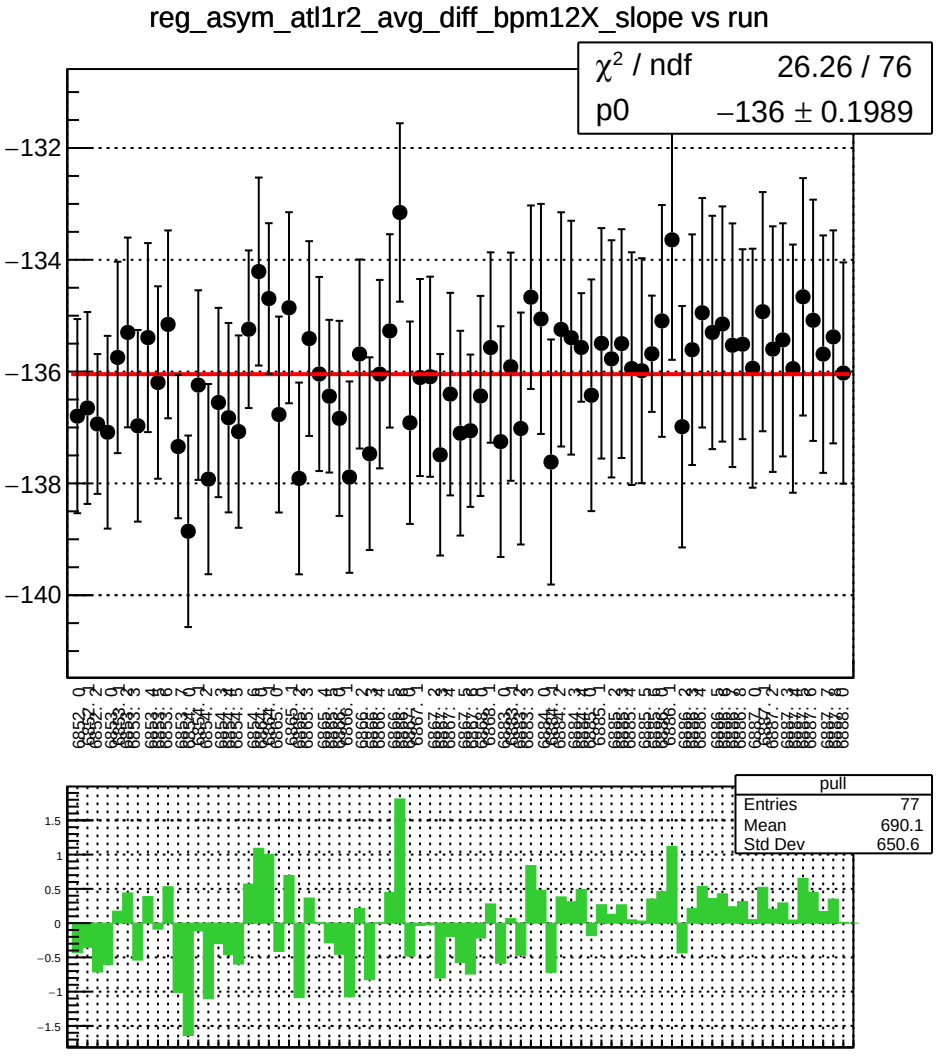

pull1D
Entries 77
Mean −0.01815
Std Dev 0.4916

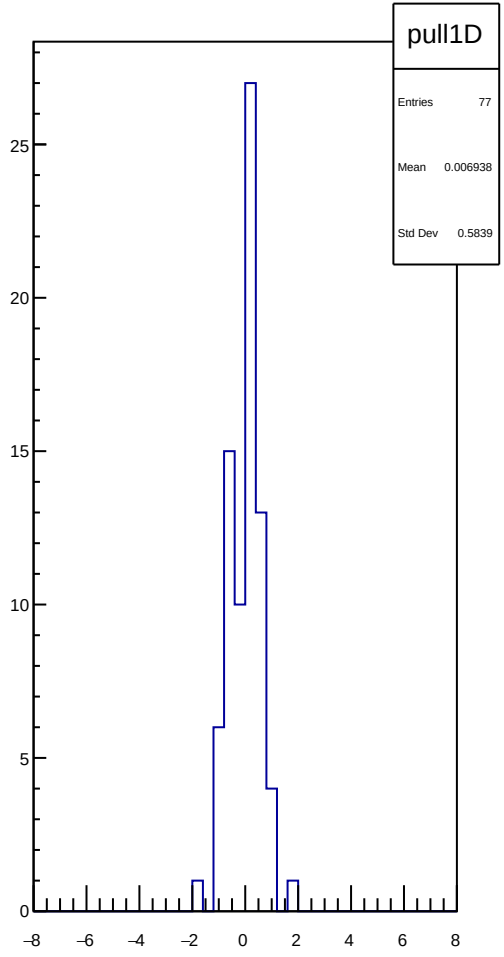

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.55 / 76
p0 280.7 ± 4.596
pull
Entries 77
Mean −543.7
Std Dev 572.9

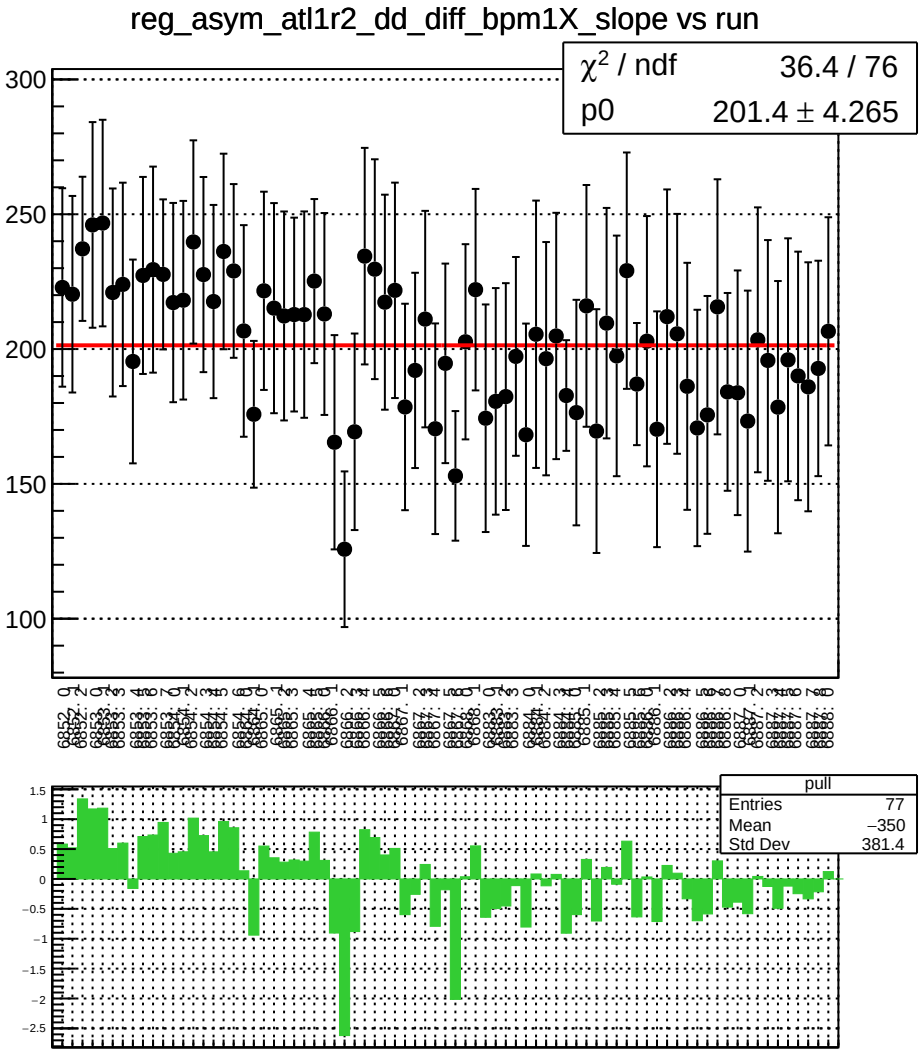

pull1D
Entries 77
Mean 0.01659
Std Dev 0.9772

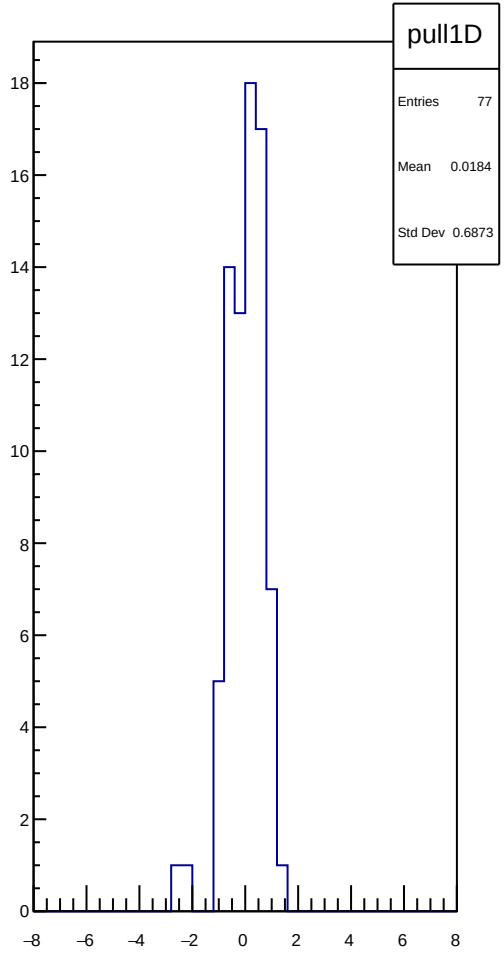

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.91 / 76
p0 35.72 ± 3.472
pull
Entries 77
Mean 373.4
Std Dev 335.2

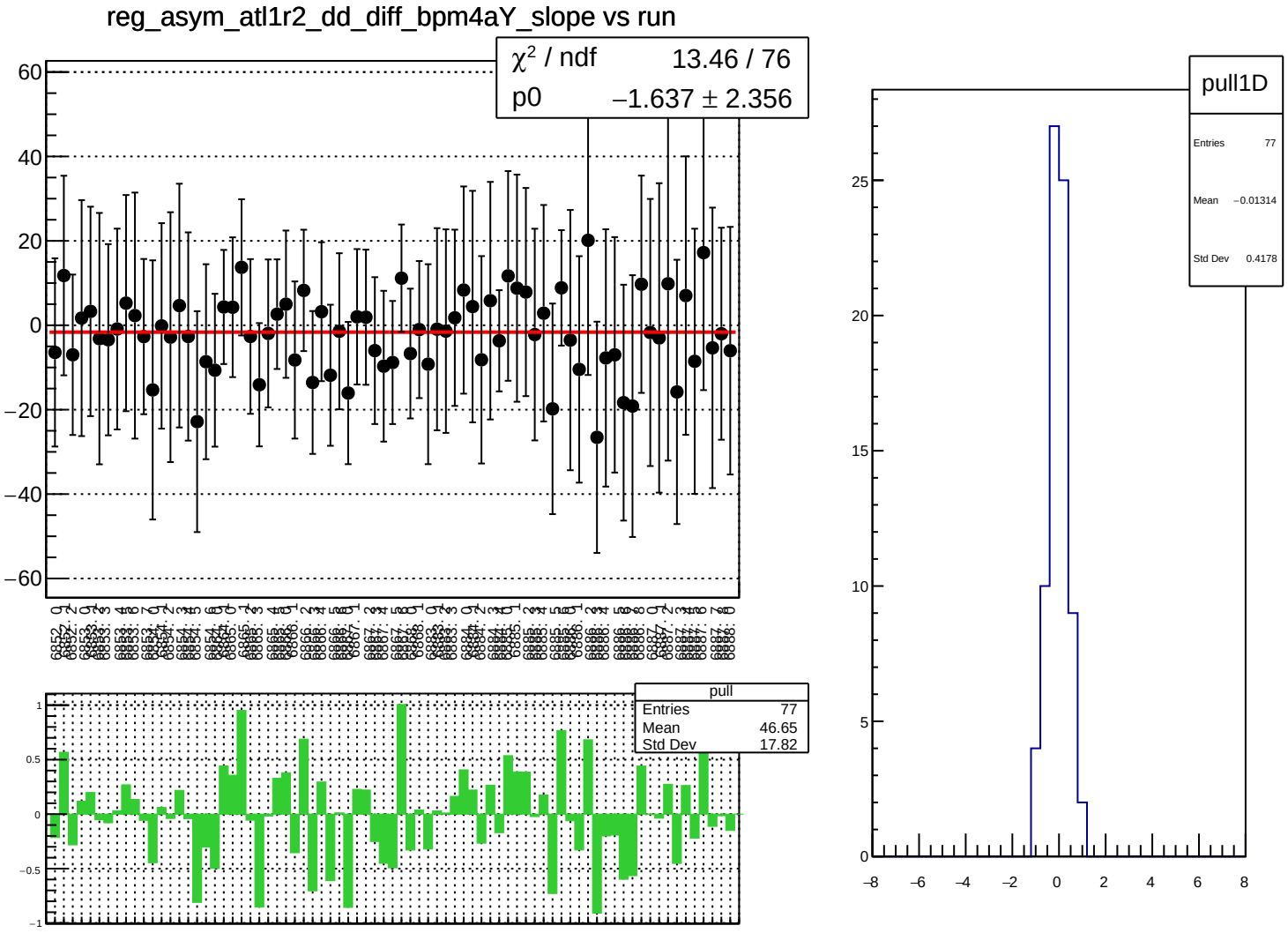

pull1D
Entries 77
Mean 0.02121
Std Dev 0.4951

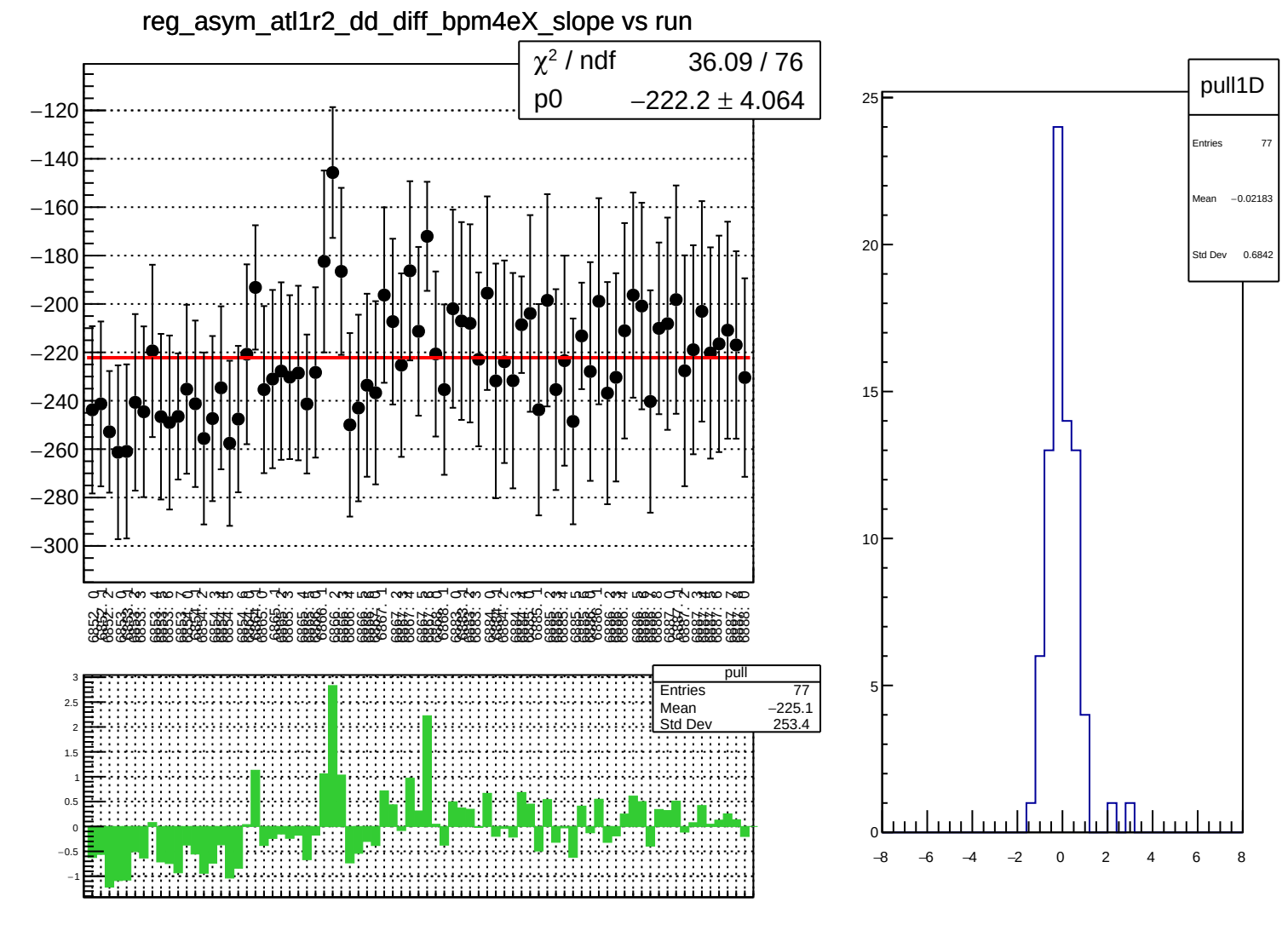

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 26.26 / 76
p0 −136 ± 0.1989
−132
−134
−136
−138
−140
pull
Entries 77
Mean 690.1
Std Dev 650.6
1.5
1
0.5
0
−0.5
−1
−1.5

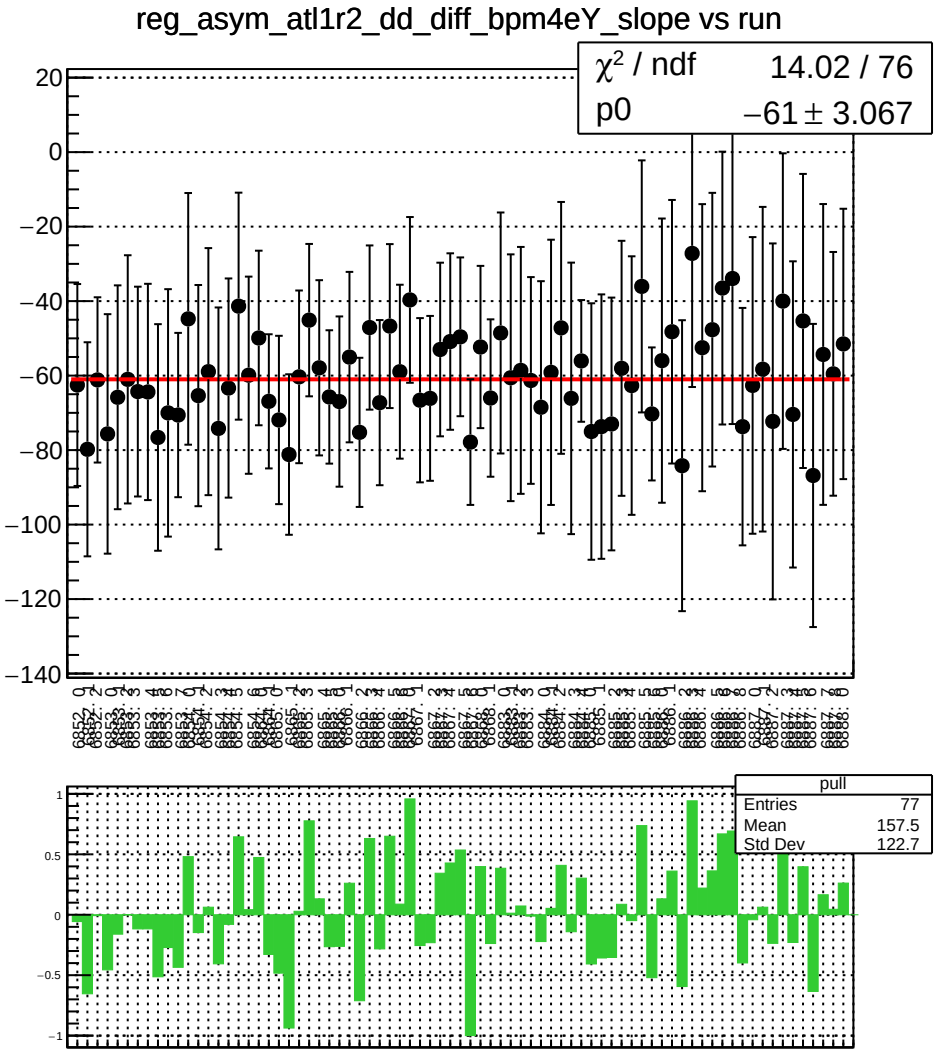

pull1D
Entries 77
Mean 0.006938
Std Dev 0.5839
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

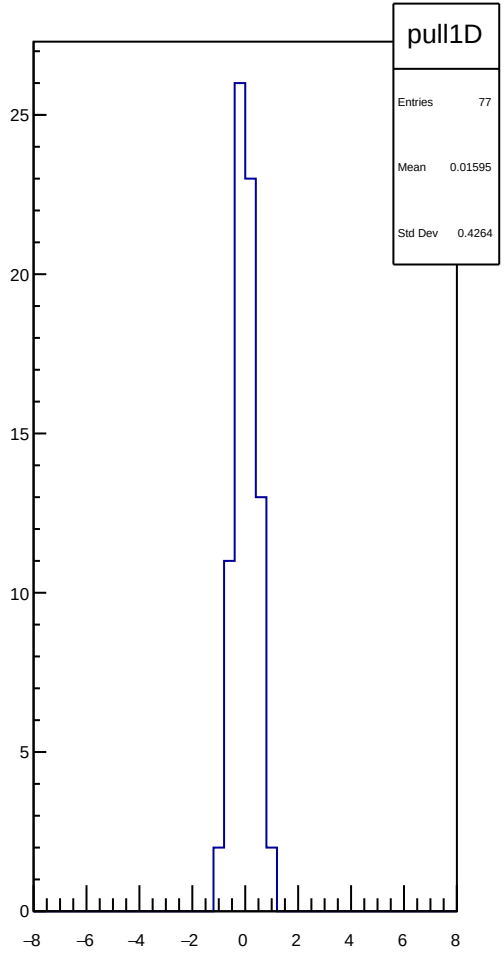

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 36.4 / 76
p0 201.4 ± 4.265
pull
Entries 77
Mean −350
Std Dev 381.4

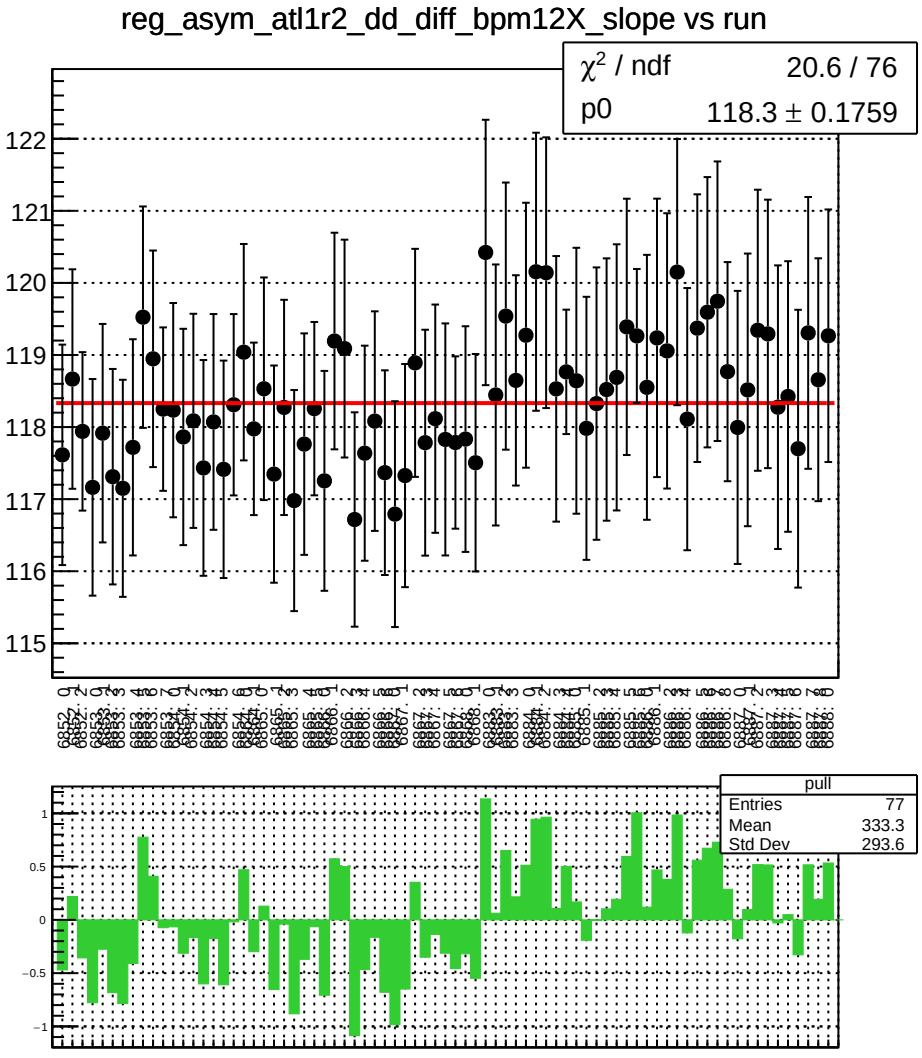

pull1D
Entries 77
Mean 0.0184
Std Dev 0.6873

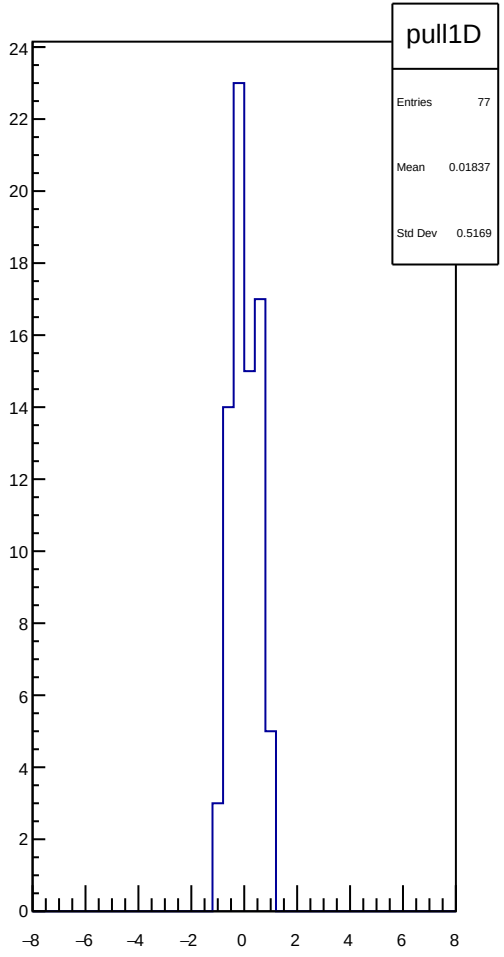

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.46 / 76
p0 −1.637 ± 2.356
pull
Entries 77
Mean 46.65
Std Dev 17.82
pull1D
Entries 77
Mean −0.01314
Std Dev 0.4178

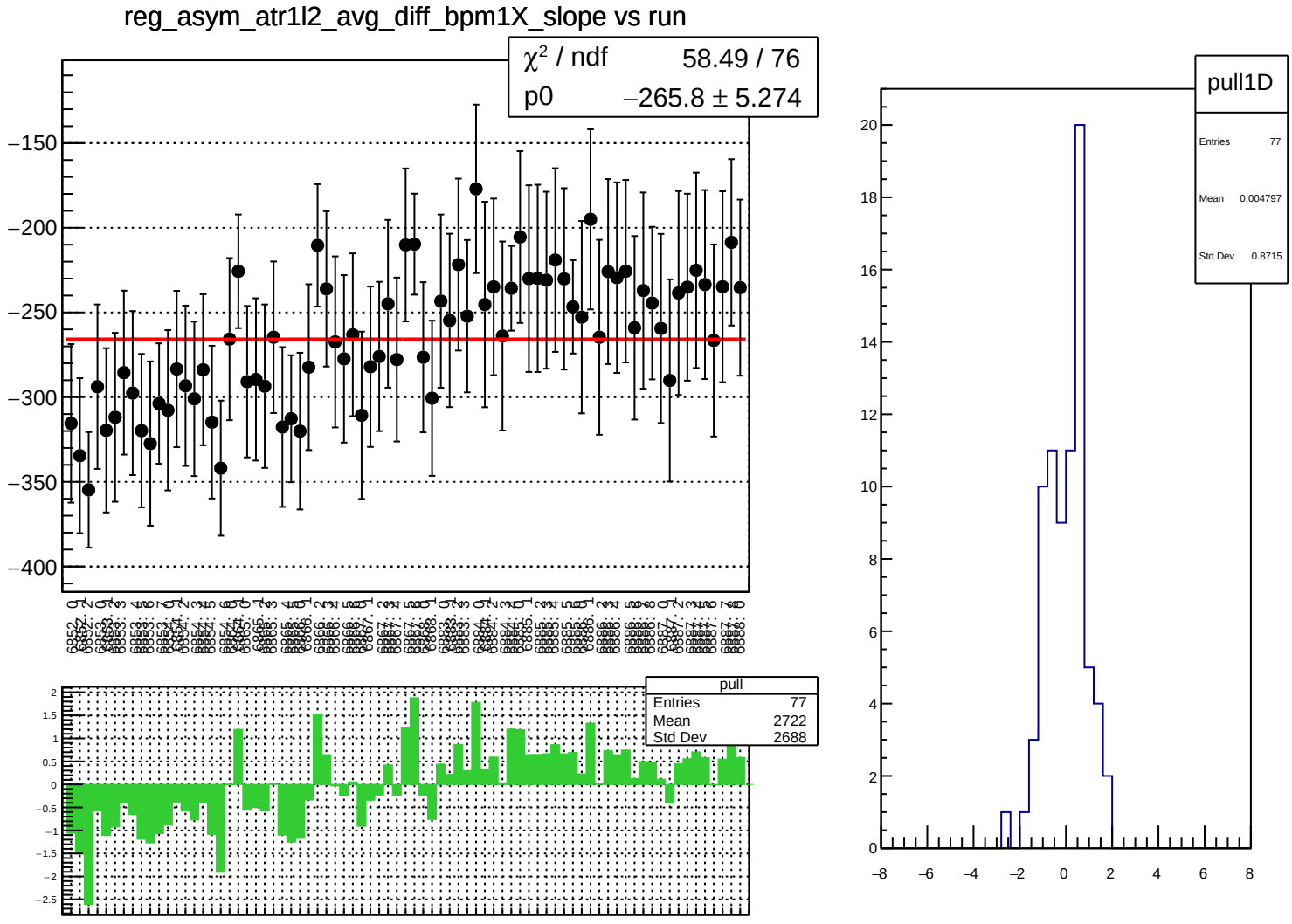

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.09 / 76
p0 −222.2 ± 4.064
pull
Entries 77
Mean −225.1
Std Dev 253.4
pull1D
Entries 77
Mean −0.02183
Std Dev 0.6842

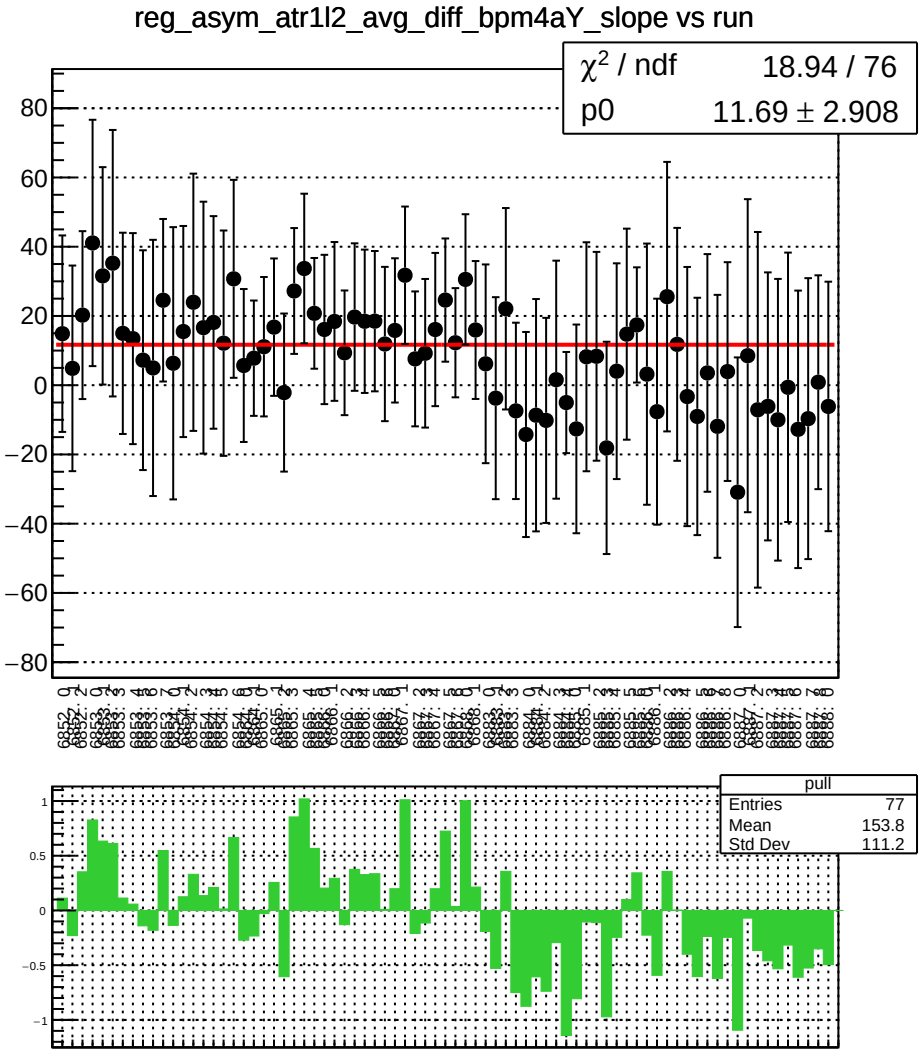

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.02 / 76
p0 −61 ± 3.067
pull
Entries 77
Mean 157.5
Std Dev 122.7

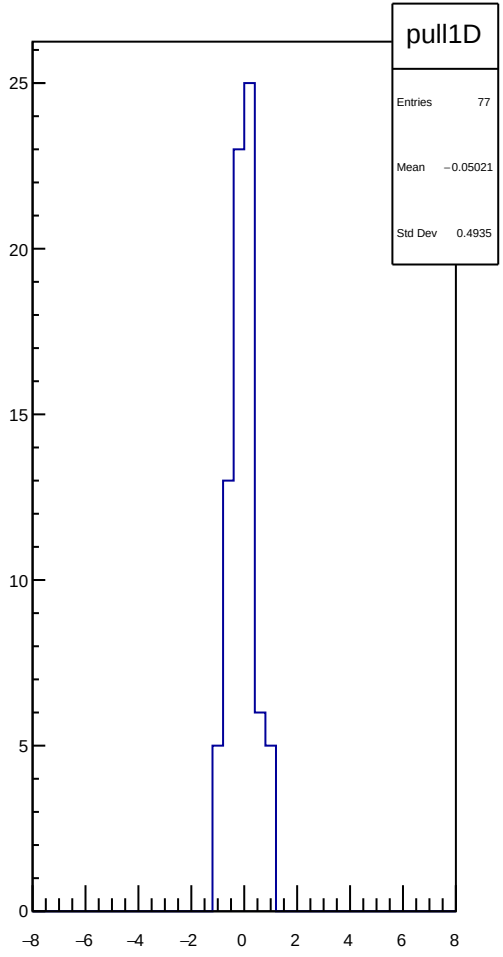

pull1D
Entries 77
Mean 0.01595
Std Dev 0.4264

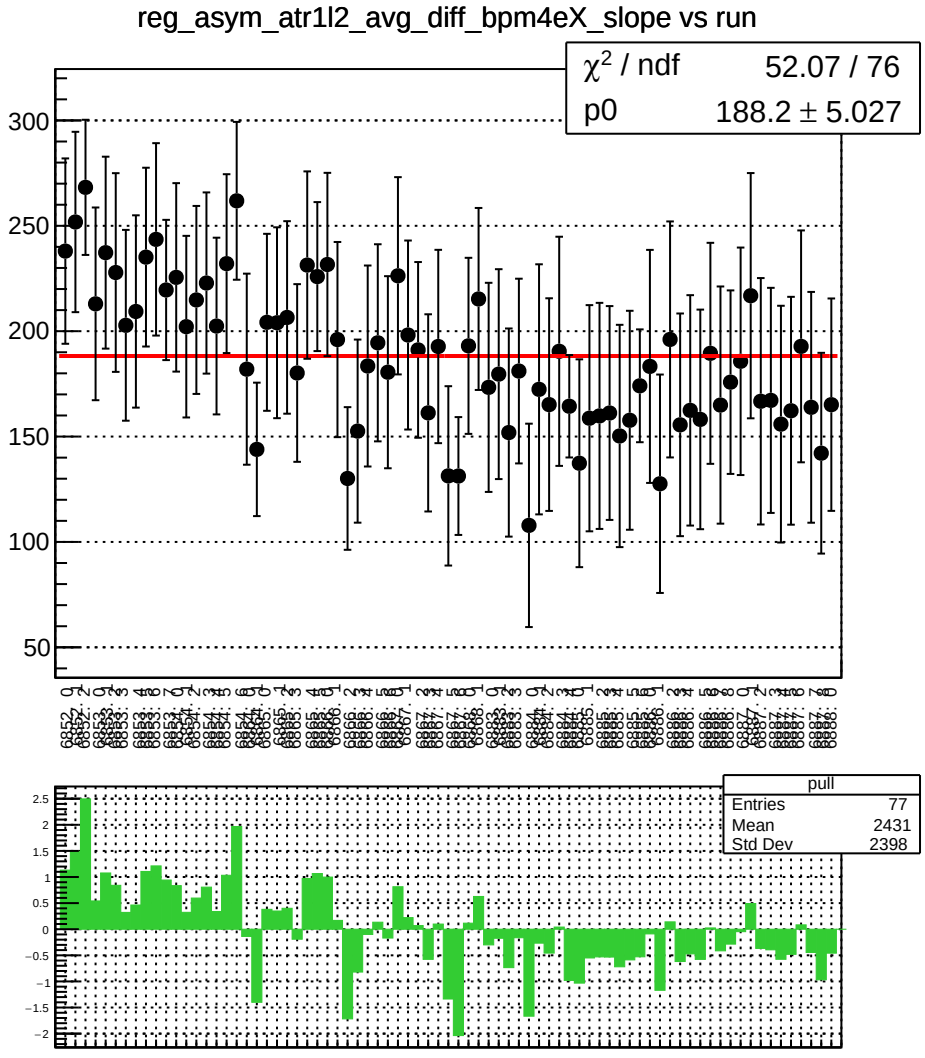

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.6 / 76
p0 118.3 ± 0.1759
pull
Entries 77
Mean 333.3
Std Dev 293.6

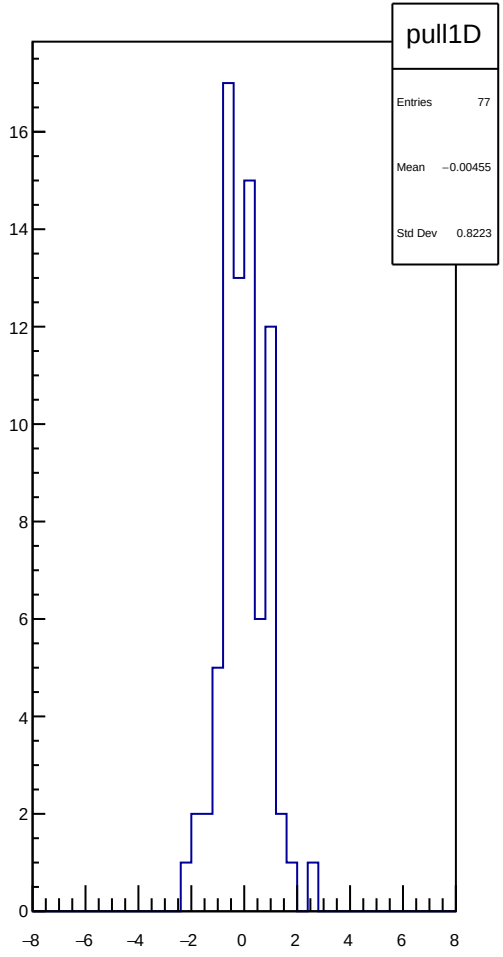

pull1D
Entries 77
Mean 0.01837
Std Dev 0.5169

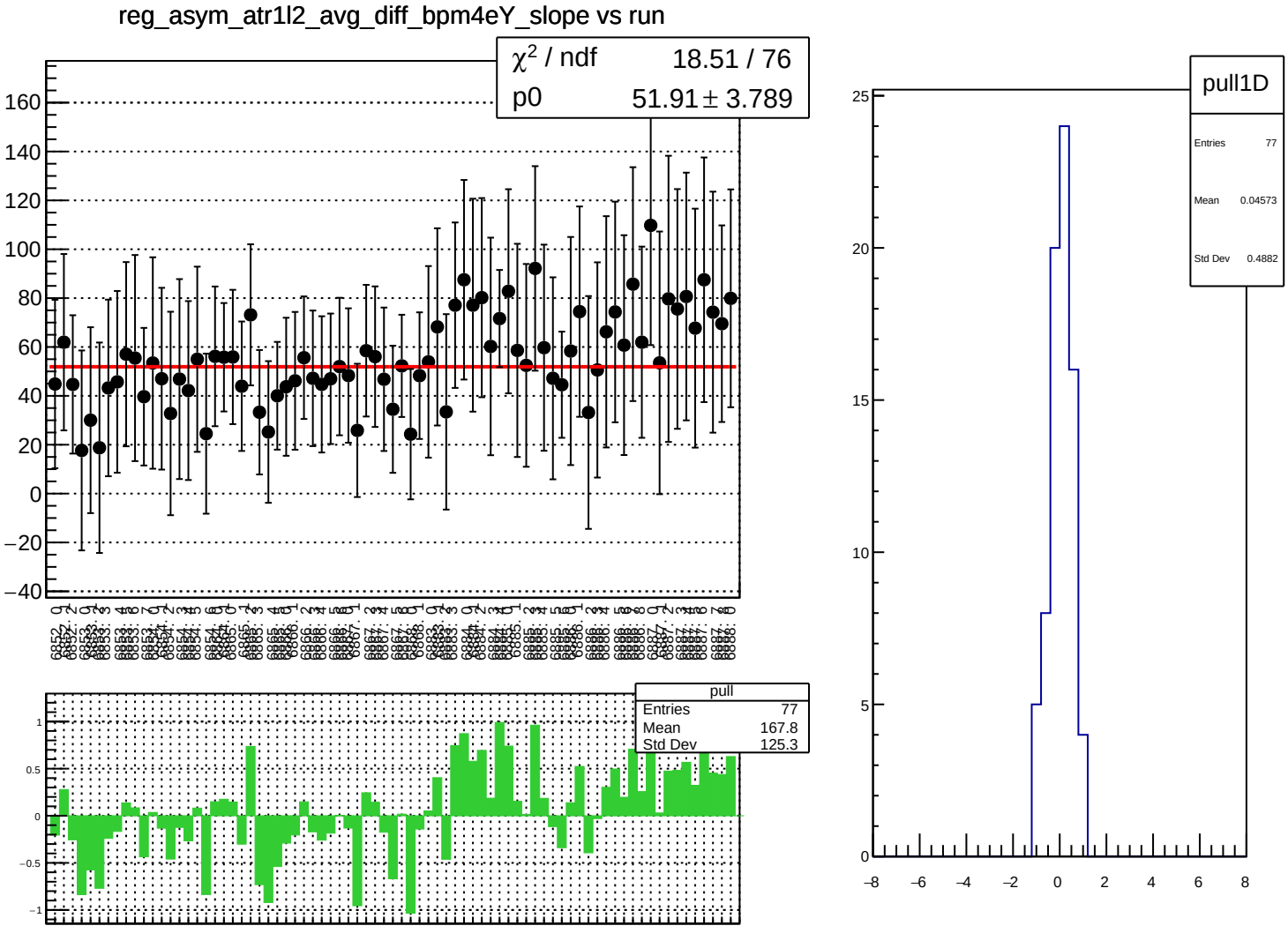

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 58.49 / 76
p0 −265.8 ± 5.274
pull
Entries 77
Mean 2722
Std Dev 2688
pull1D
Entries 77
Mean 0.004797
Std Dev 0.8715

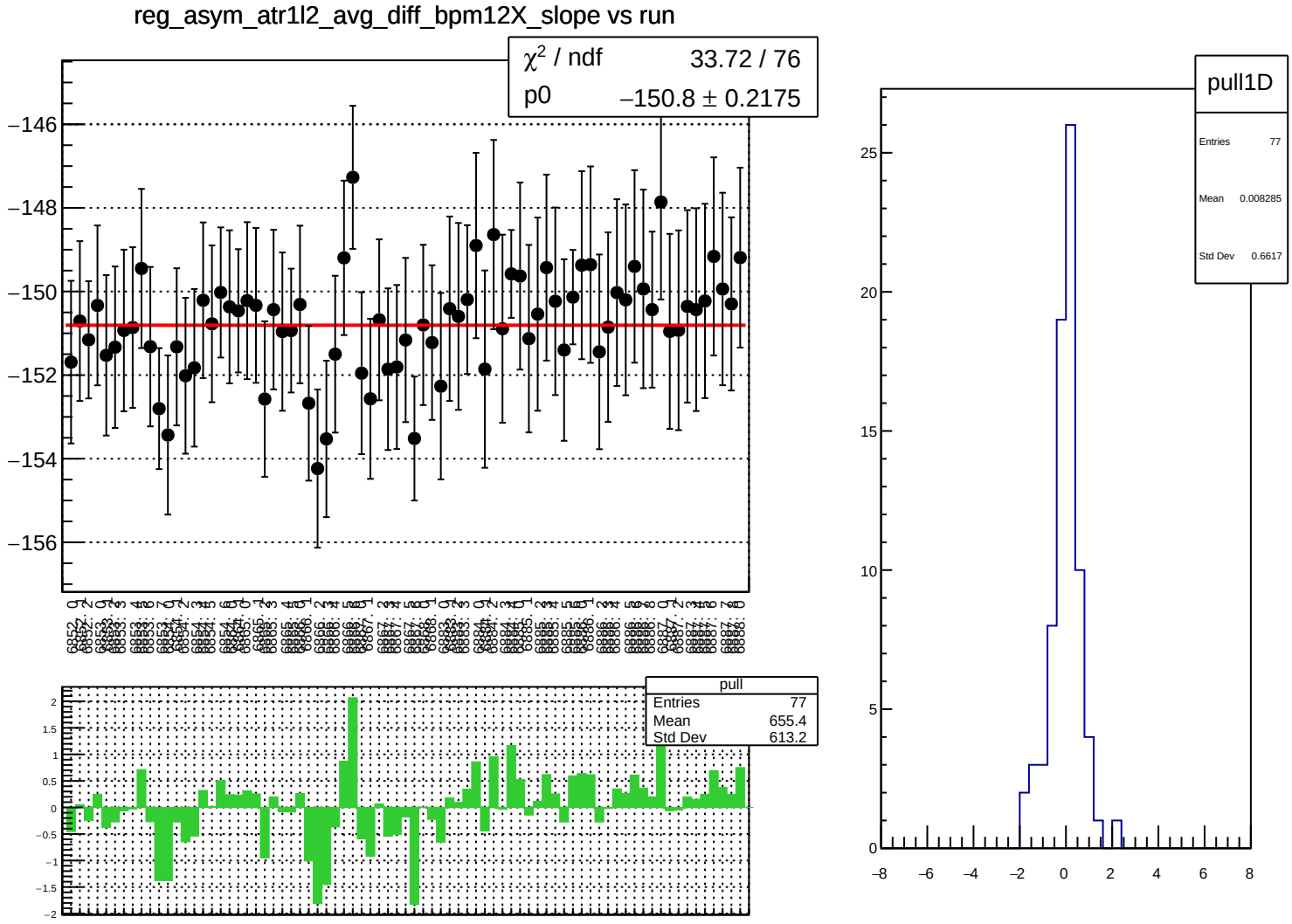

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.94 / 76
p0 11.69 ± 2.908
pull
Entries 77
Mean 153.8
Std Dev 111.2

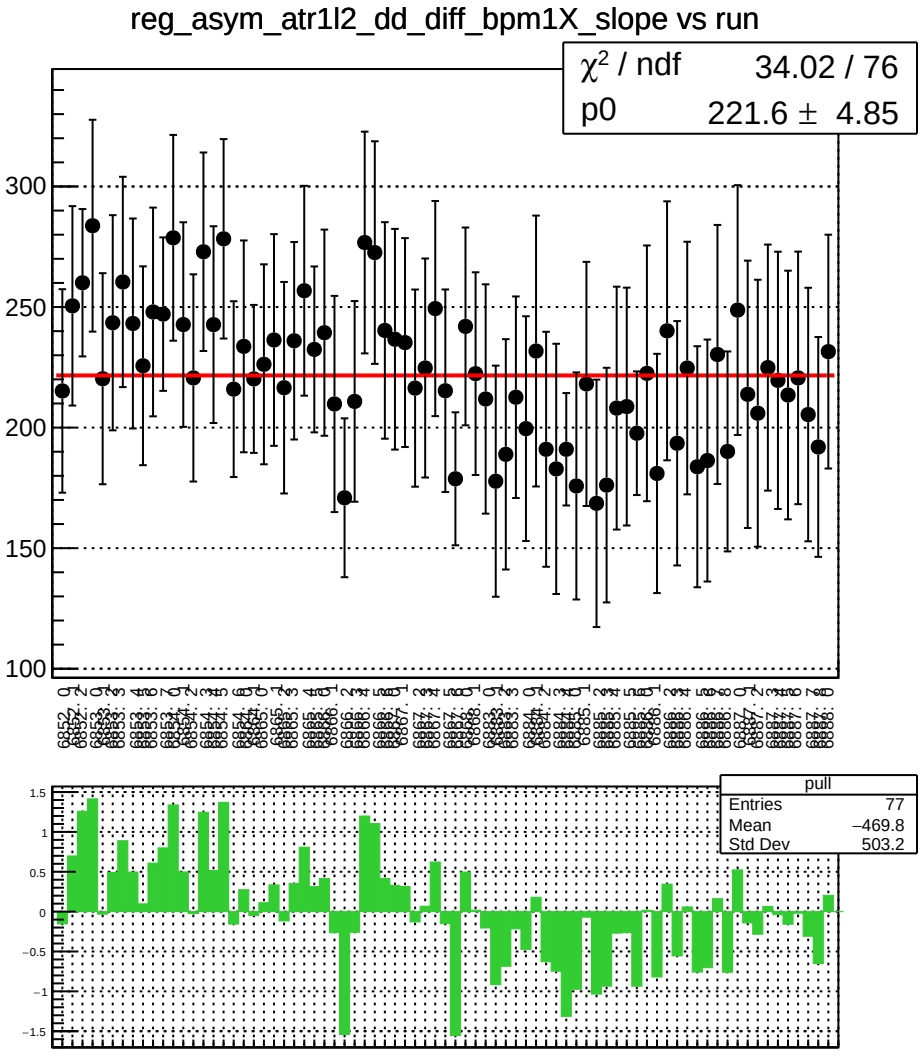

pull1D
Entries 77
Mean −0.05021
Std Dev 0.4935

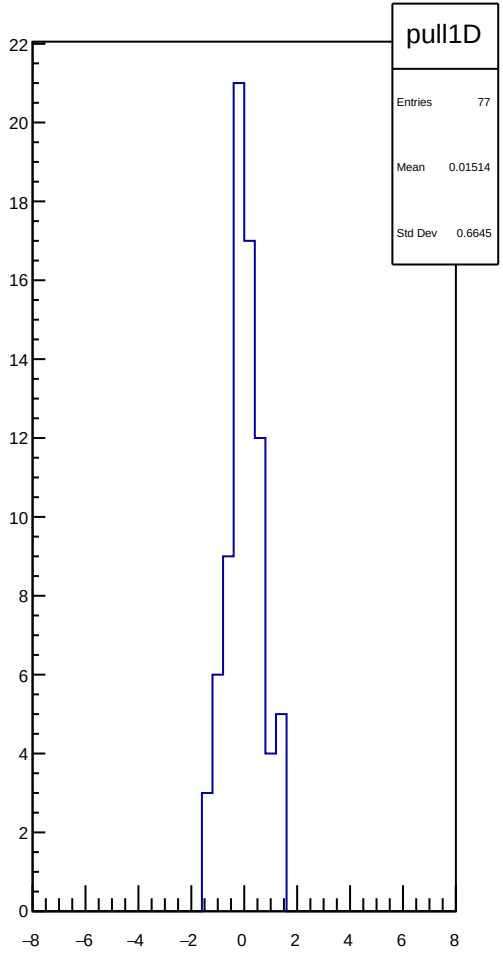

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.07 / 76
p0 188.2 ± 5.027
pull
Entries 77
Mean 2431
Std Dev 2398

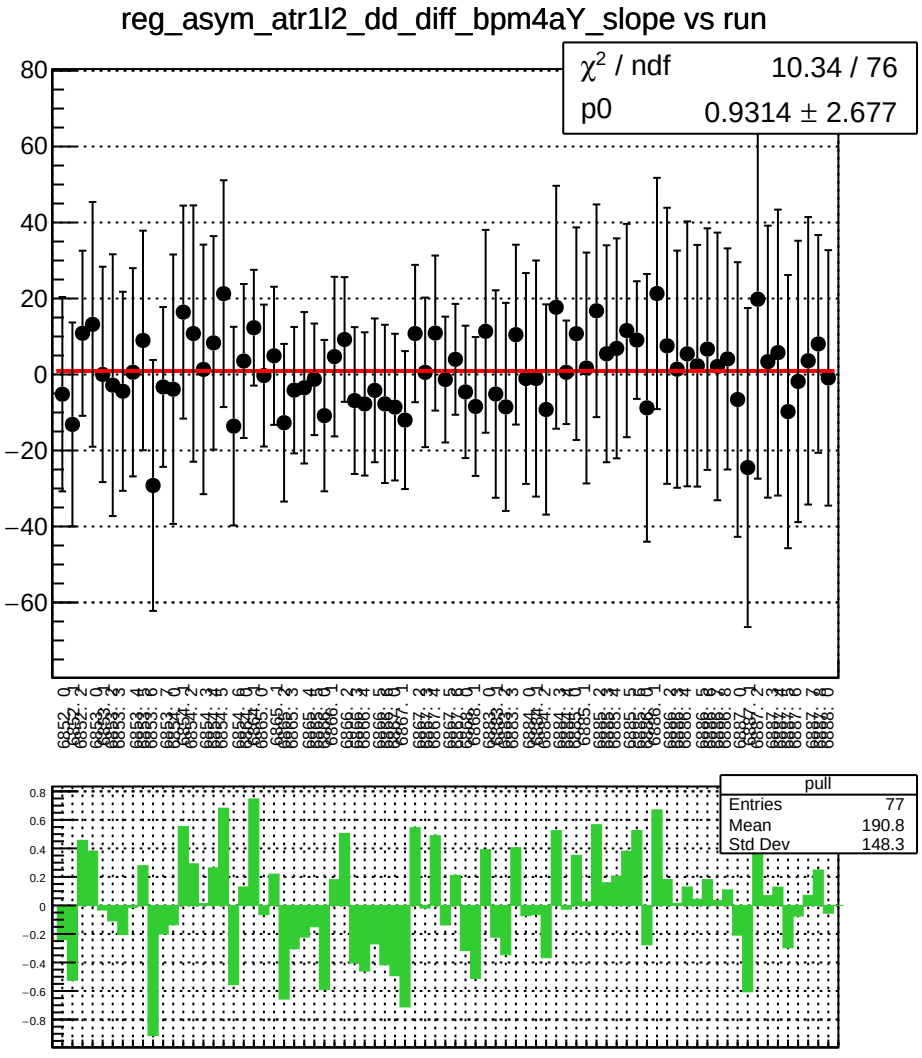

pull1D
Entries 77
Mean −0.00455
Std Dev 0.8223

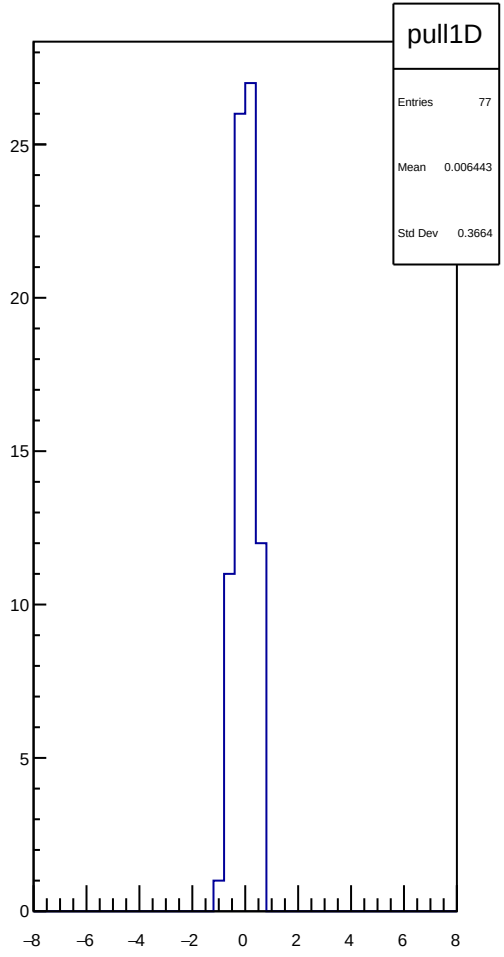

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.51 / 76
p0 51.91 ± 3.789
pull
Entries 77
Mean 167.8
Std Dev 125.3
pull1D
Entries 77
Mean 0.04573
Std Dev 0.4882

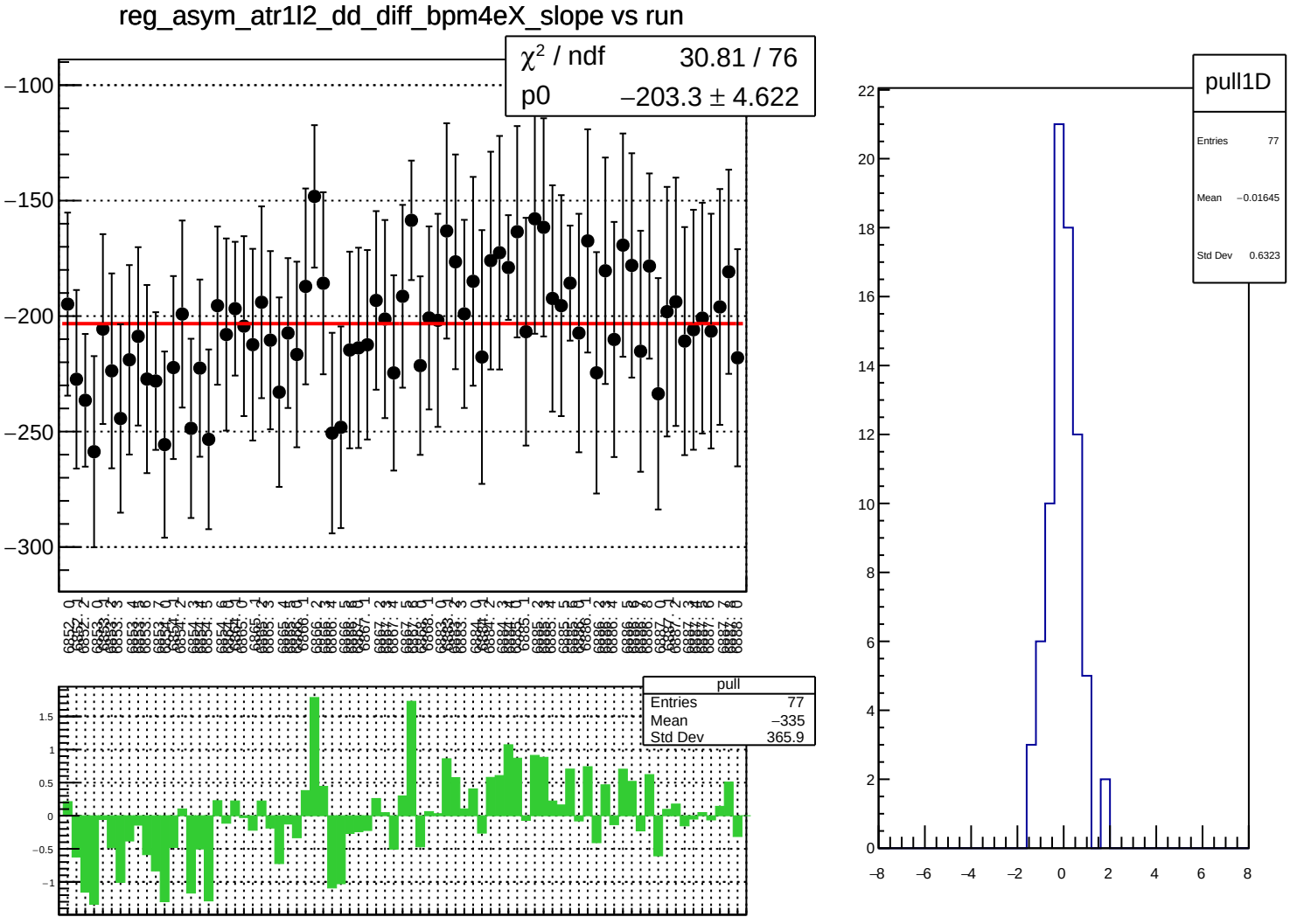

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 33.72 / 76
p0 −150.8 ± 0.2175
pull
Entries 77
Mean 655.4
Std Dev 613.2
pull1D
Entries 77
Mean 0.008285
Std Dev 0.6617

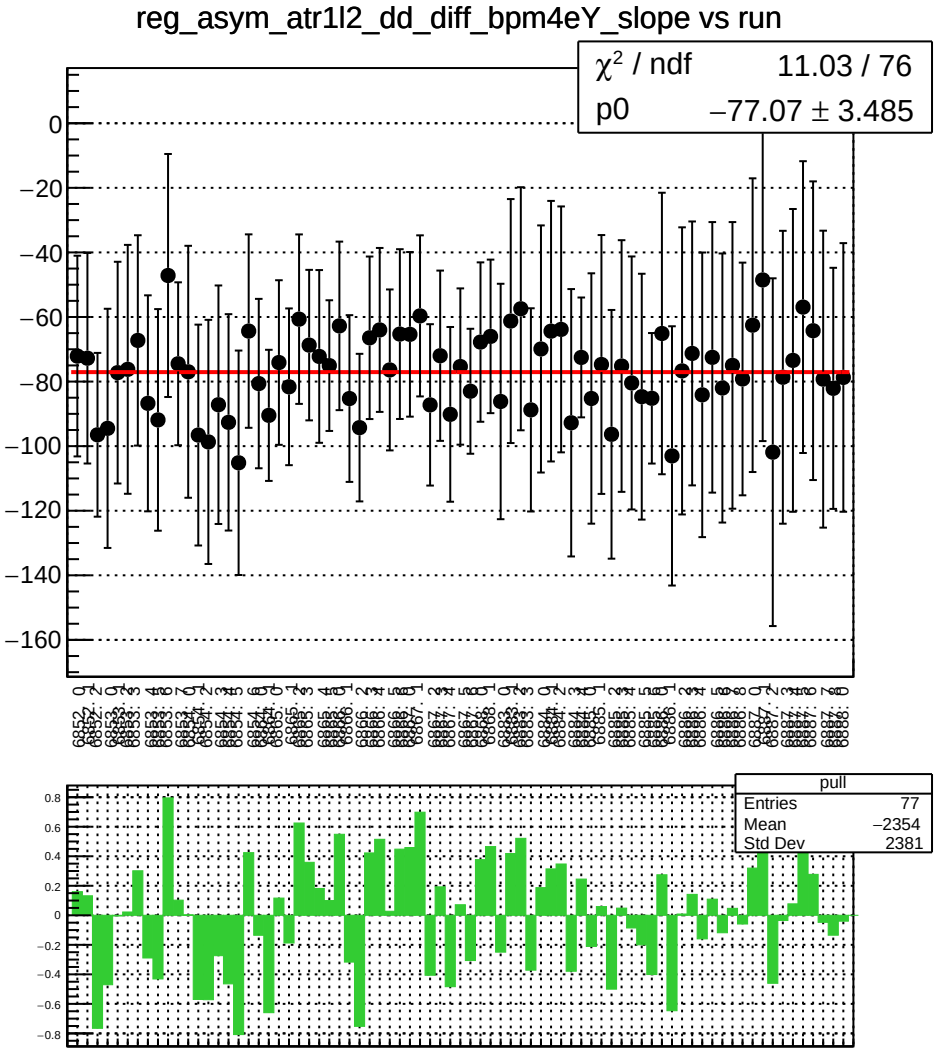

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 34.02 / 76
p0 221.6 ± 4.85
pull
Entries 77
Mean −469.8
Std Dev 503.2

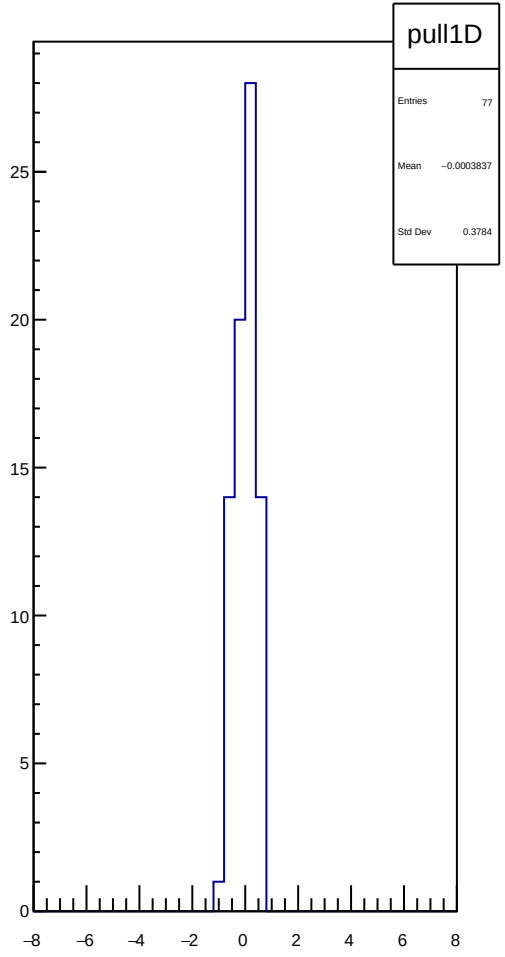

pull1D
Entries 77
Mean 0.01514
Std Dev 0.6645

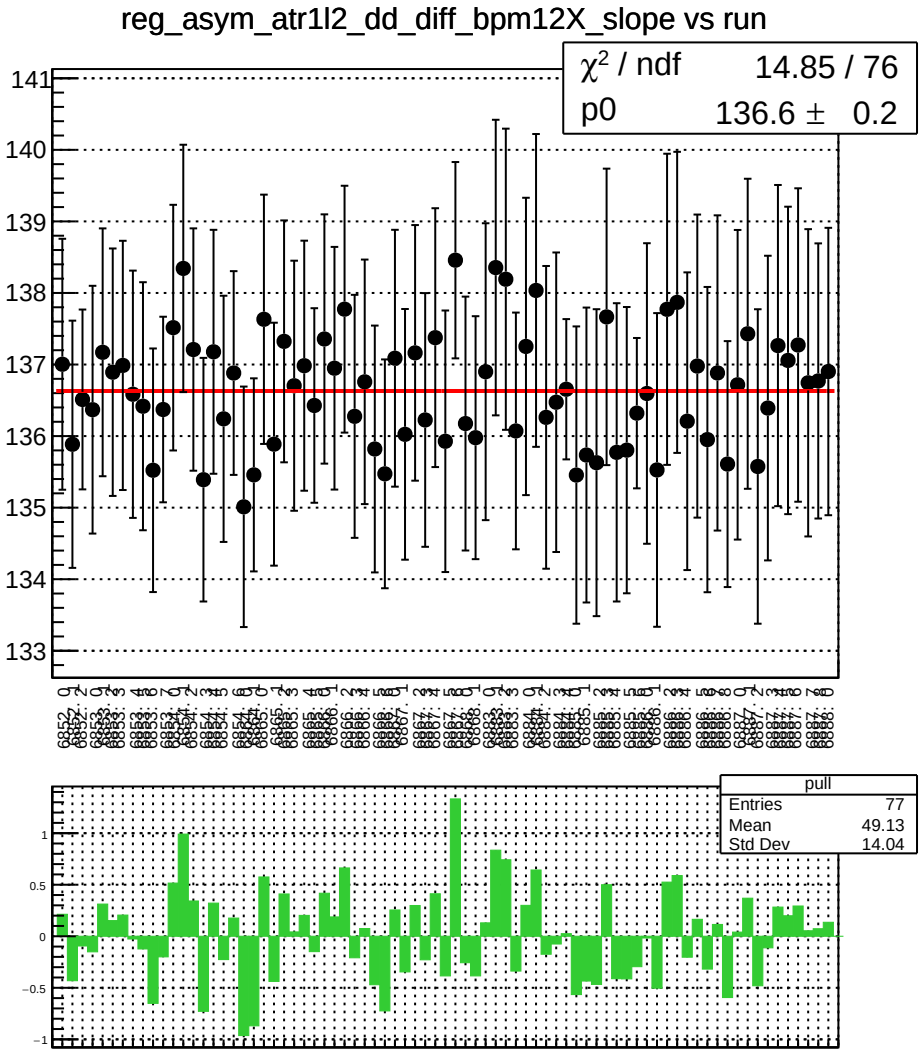

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.34 / 76
p0 0.9314 ± 2.677
pull
Entries 77
Mean 190.8
Std Dev 148.3

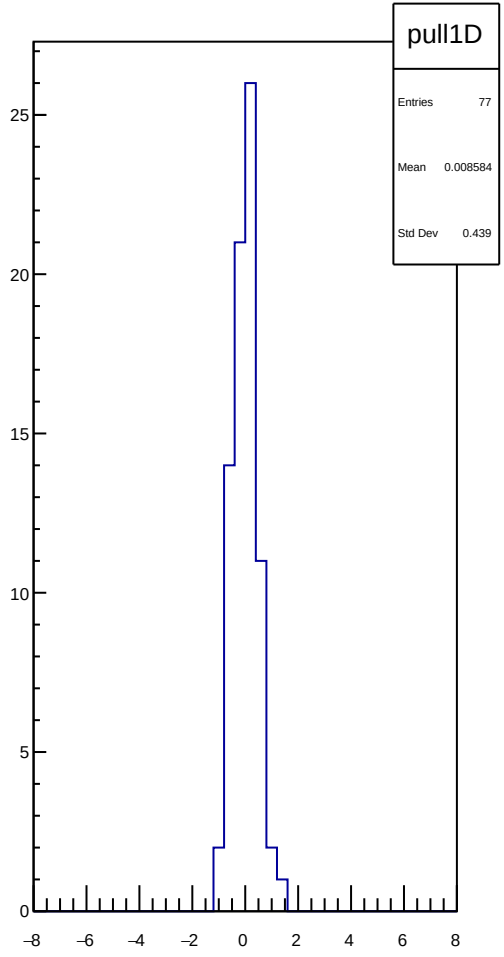

pull1D
Entries 77
Mean 0.006443
Std Dev 0.3664

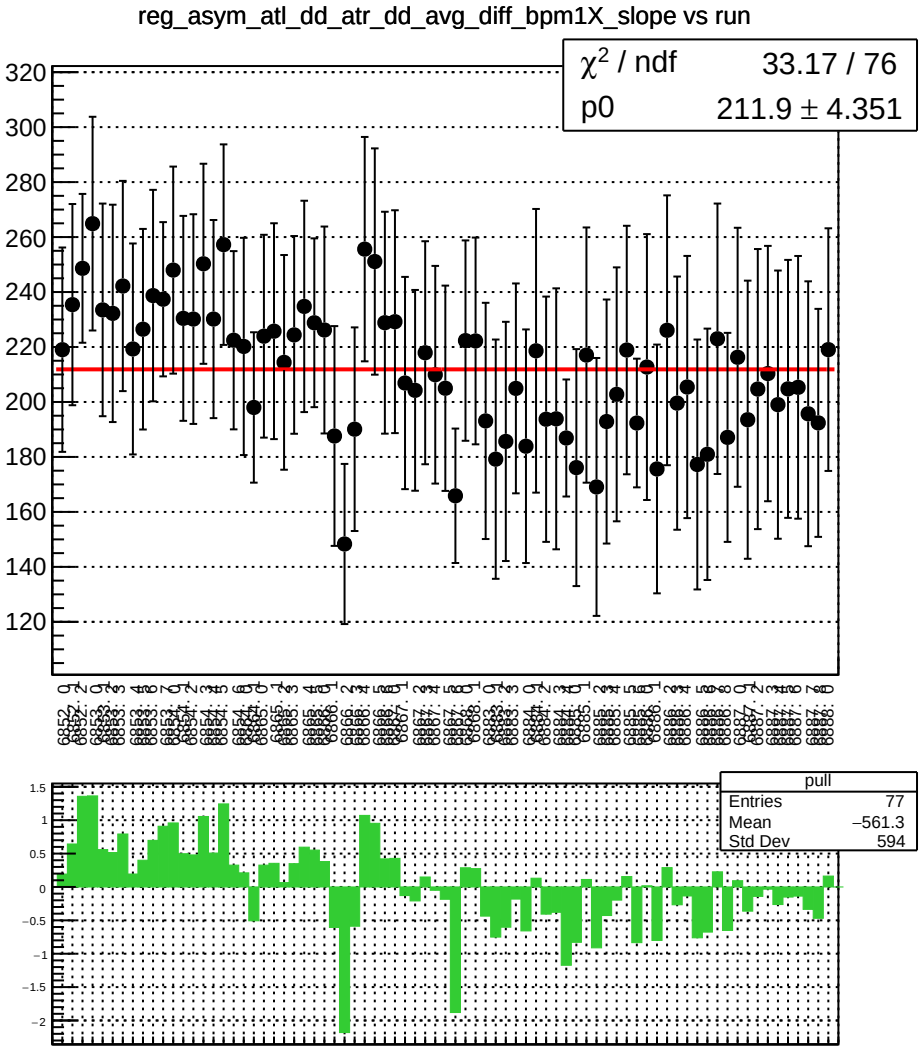

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.81 / 76
p0 −203.3 ± 4.622
pull
Entries 77
Mean −335
Std Dev 365.9
pull1D
Entries 77
Mean −0.01645
Std Dev 0.6323

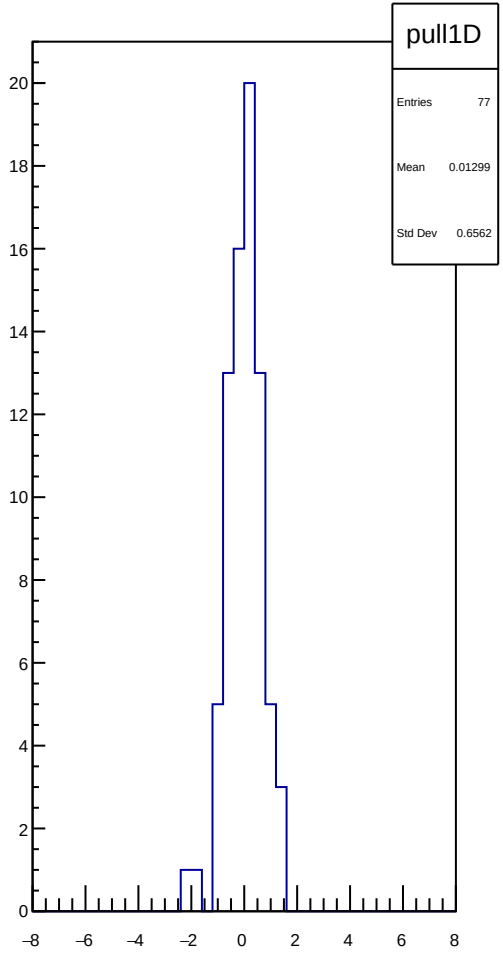

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.03 / 76
p0 −77.07 ± 3.485
pull
Entries 77
Mean −2354
Std Dev 2381

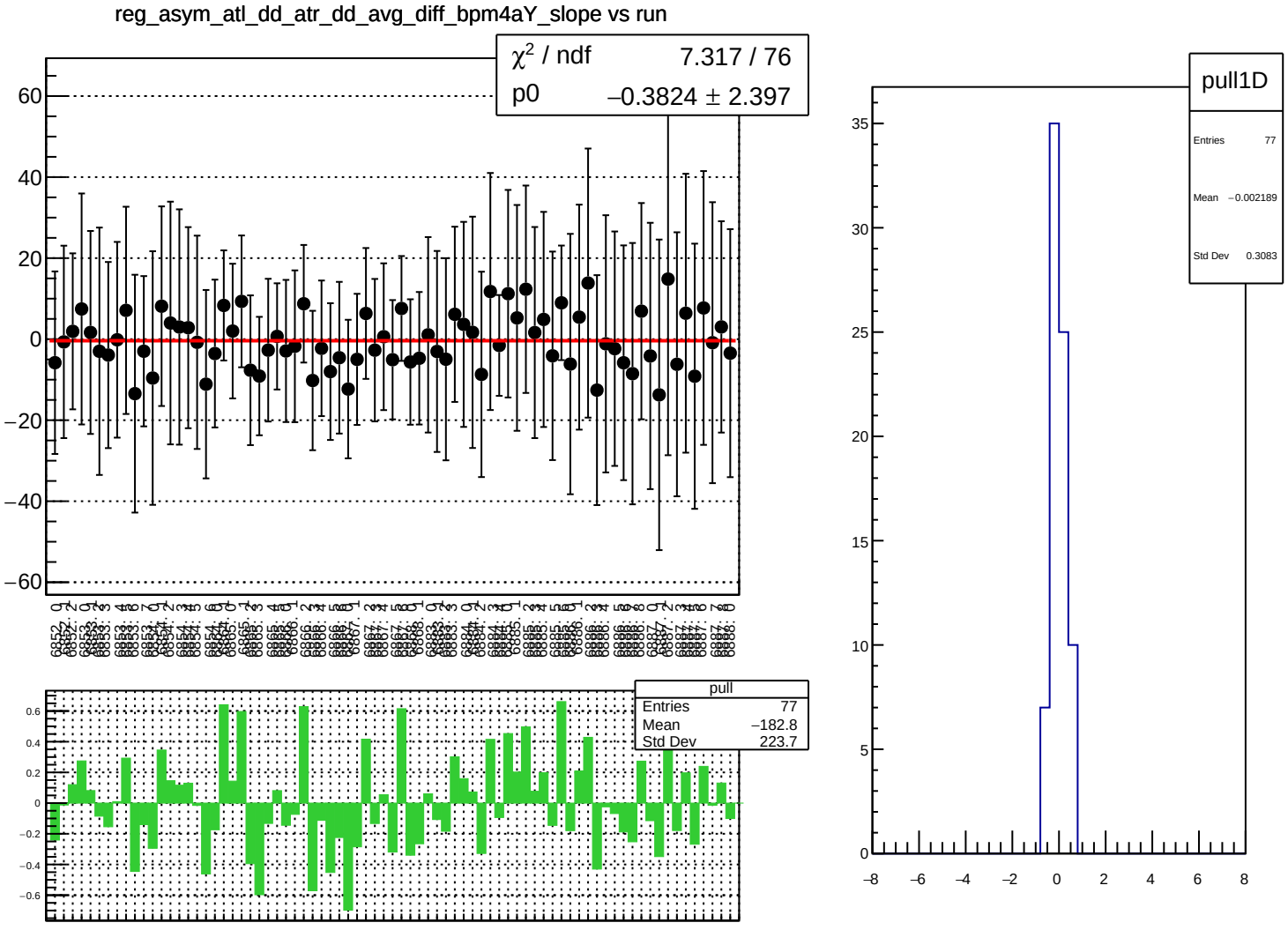

pull1D
Entries 77
Mean −0.0003837
Std Dev 0.3784

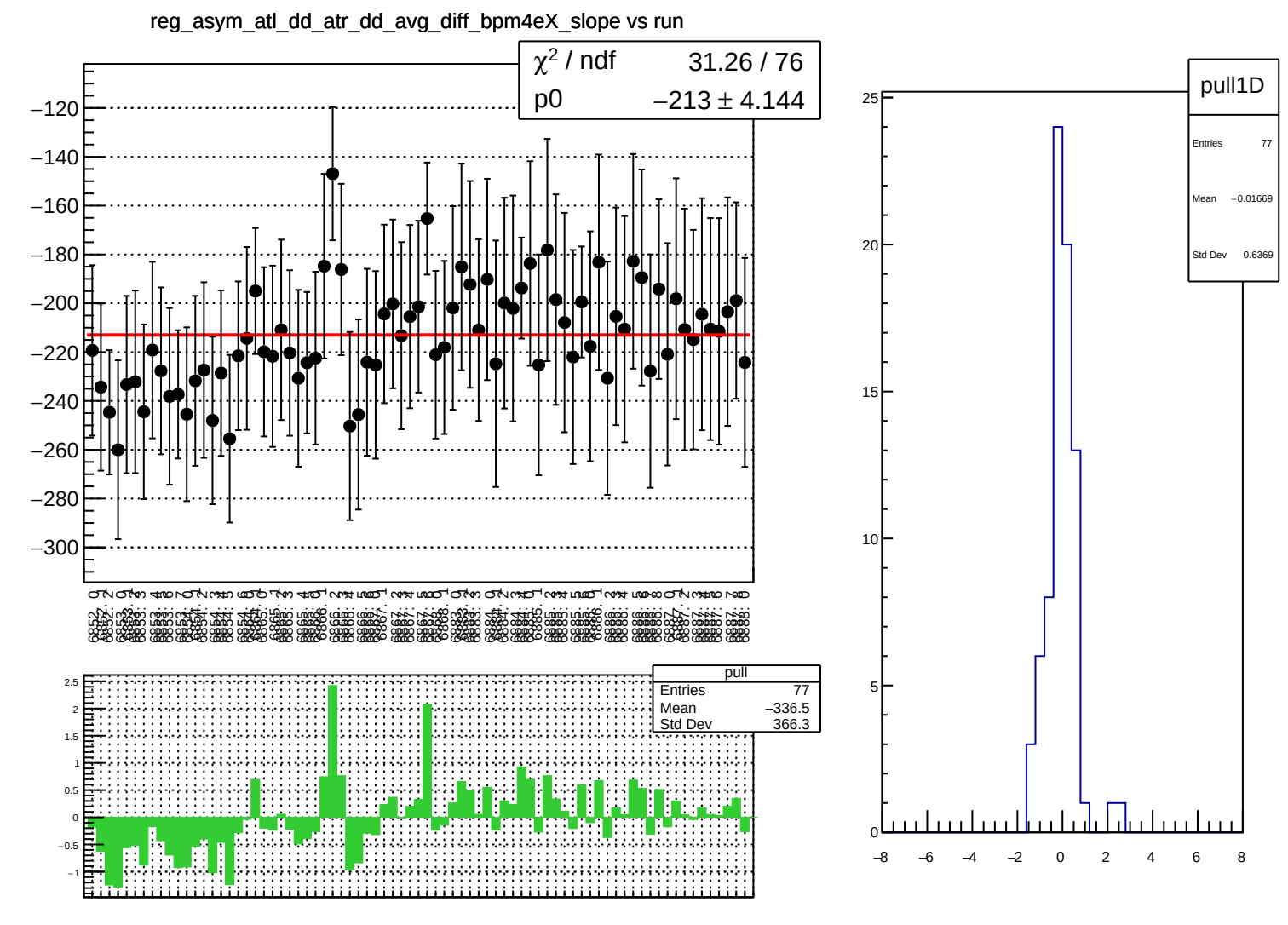

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.85 / 76
p0 136.6 ± 0.2
pull
Entries 77
Mean 49.13
Std Dev 14.04

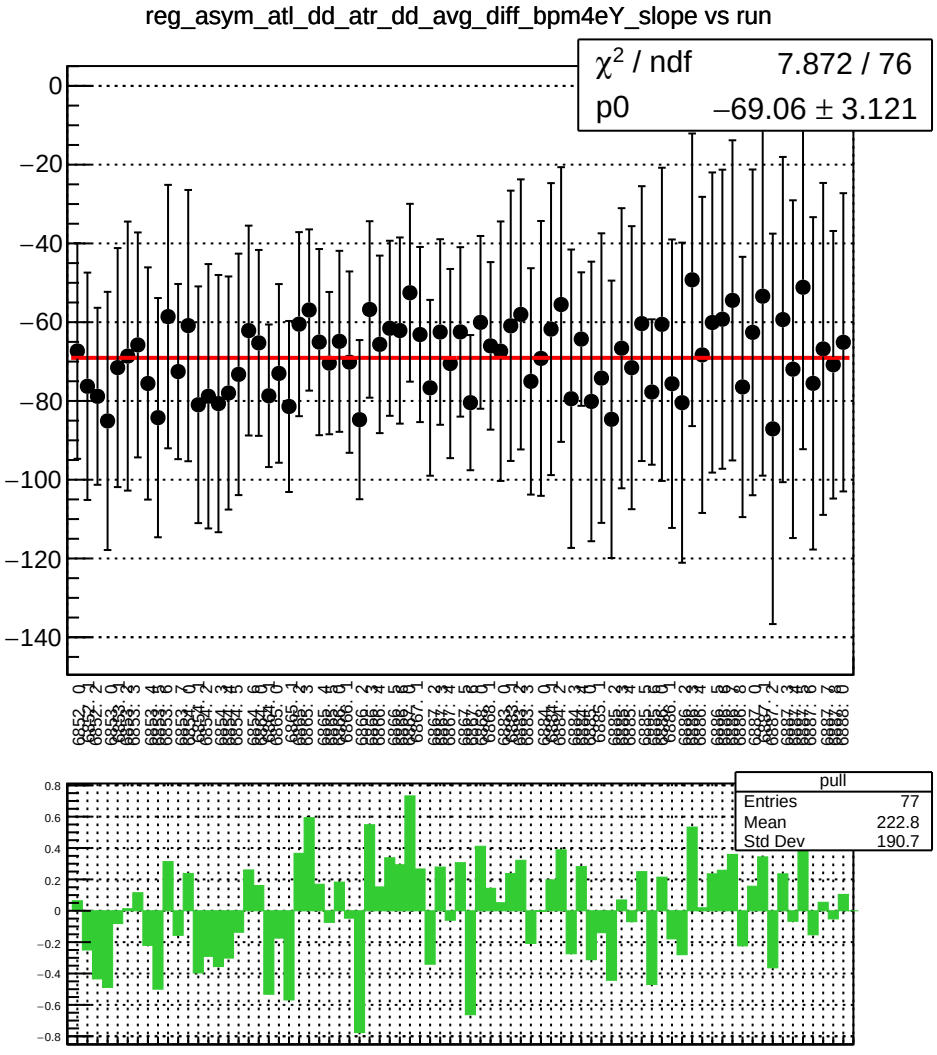

pull1D
Entries 77
Mean 0.008584
Std Dev 0.439

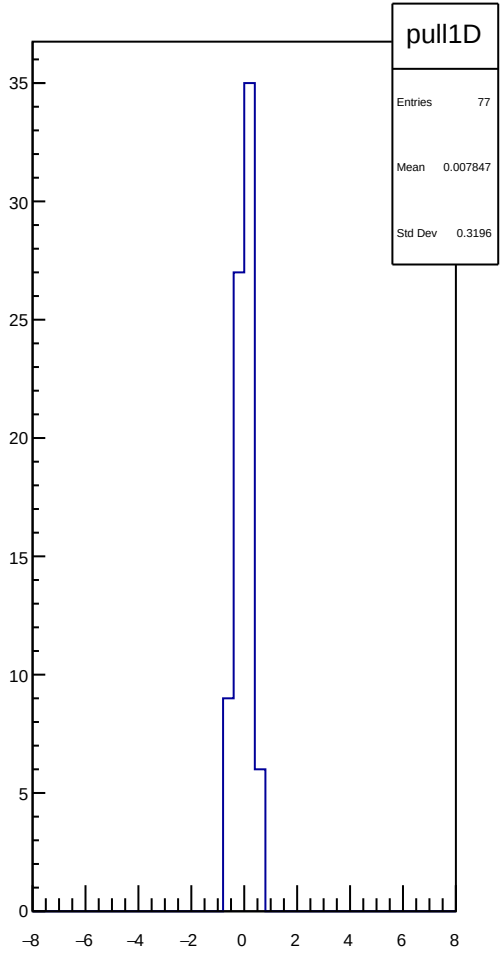

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 33.17 / 76
p0 211.9 ± 4.351
pull
Entries 77
Mean −561.3
Std Dev 594

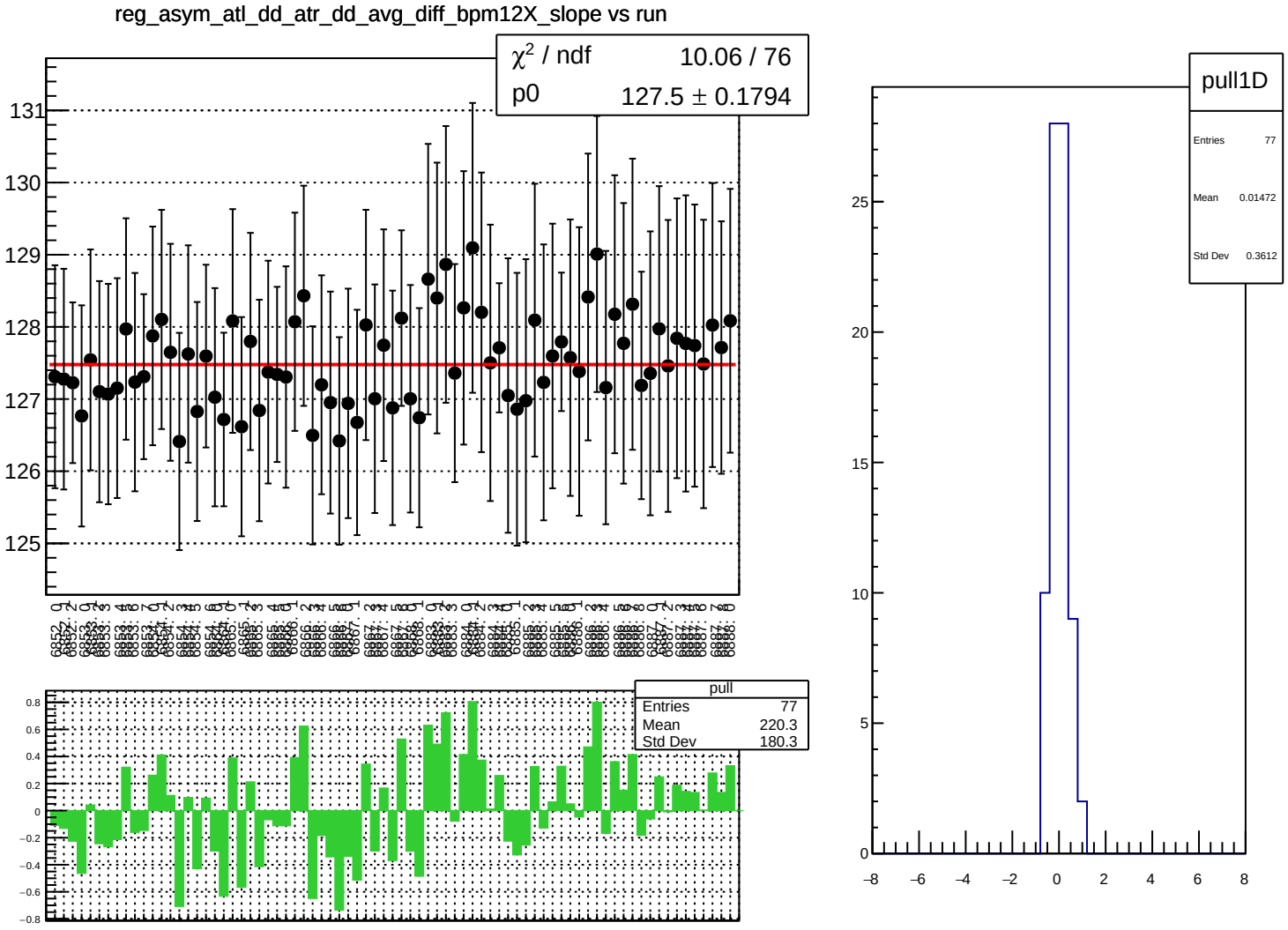

pull1D
Entries 77
Mean 0.01299
Std Dev 0.6562

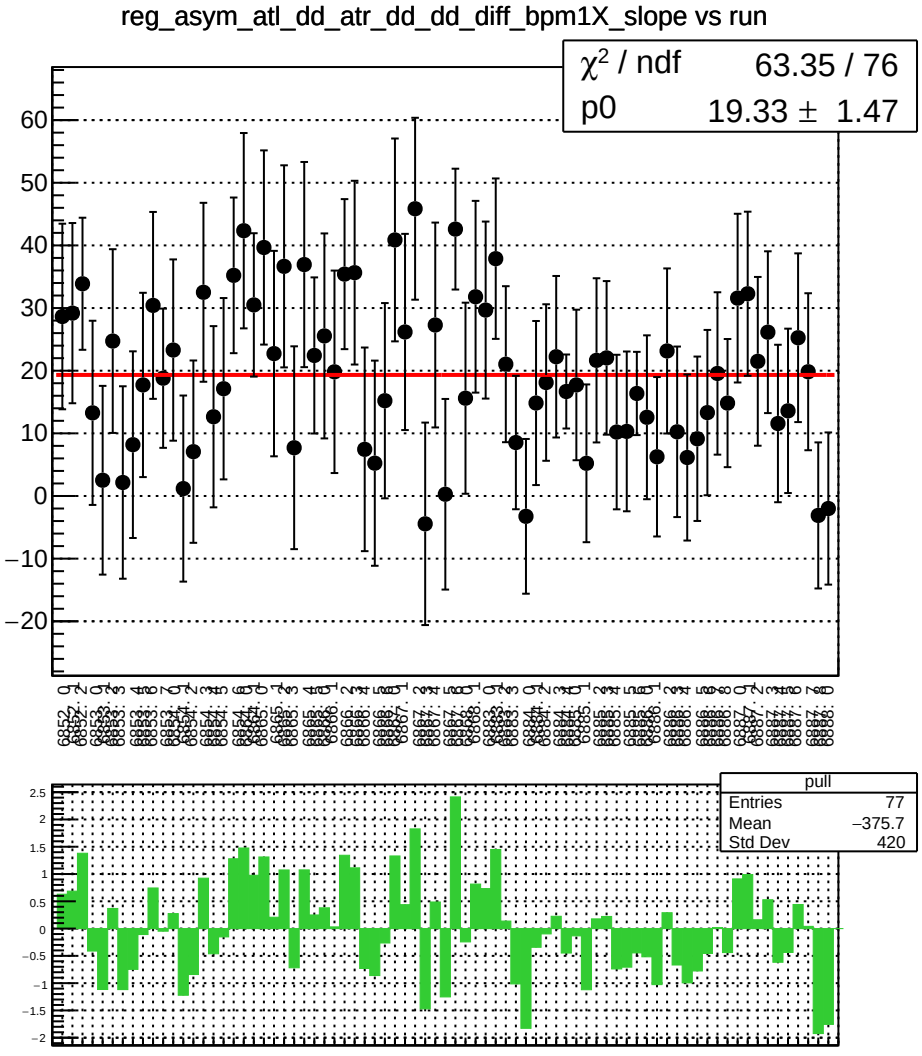

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.317 / 76
p0 −0.3824 ± 2.397
pull
Entries 77
Mean −182.8
Std Dev 223.7
pull1D
Entries 77
Mean −0.002189
Std Dev 0.3083

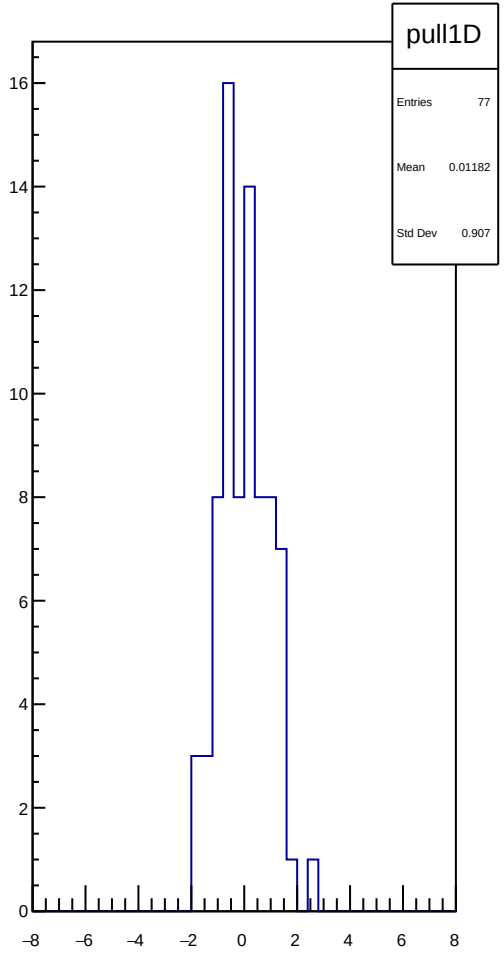

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.26 / 76
p0 −213 ± 4.144
pull
Entries 77
Mean −336.5
Std Dev 366.3
pull1D
Entries 77
Mean −0.01669
Std Dev 0.6369

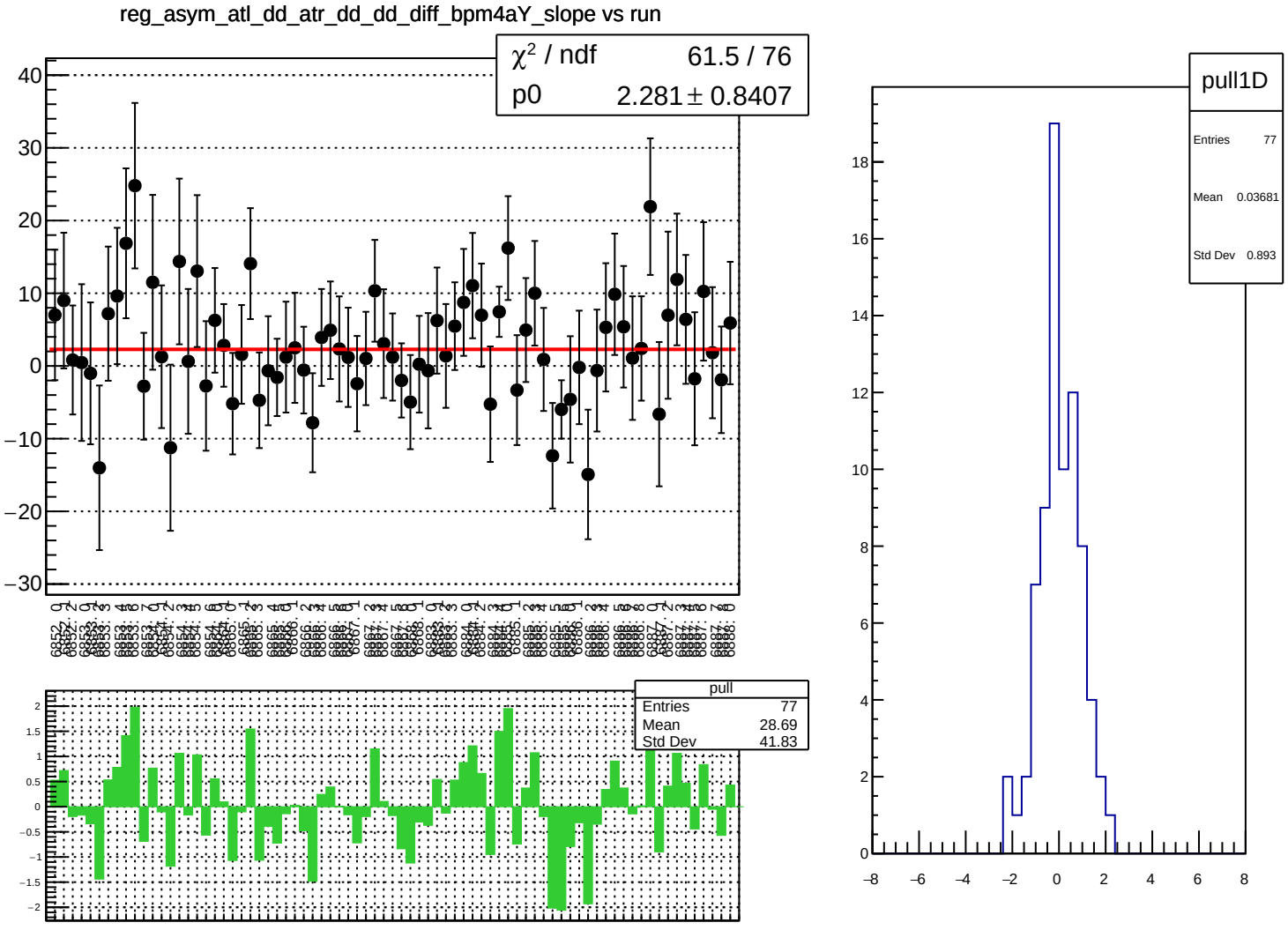

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.872 / 76
p0 −69.06 ± 3.121
pull
Entries 77
Mean 222.8
Std Dev 190.7

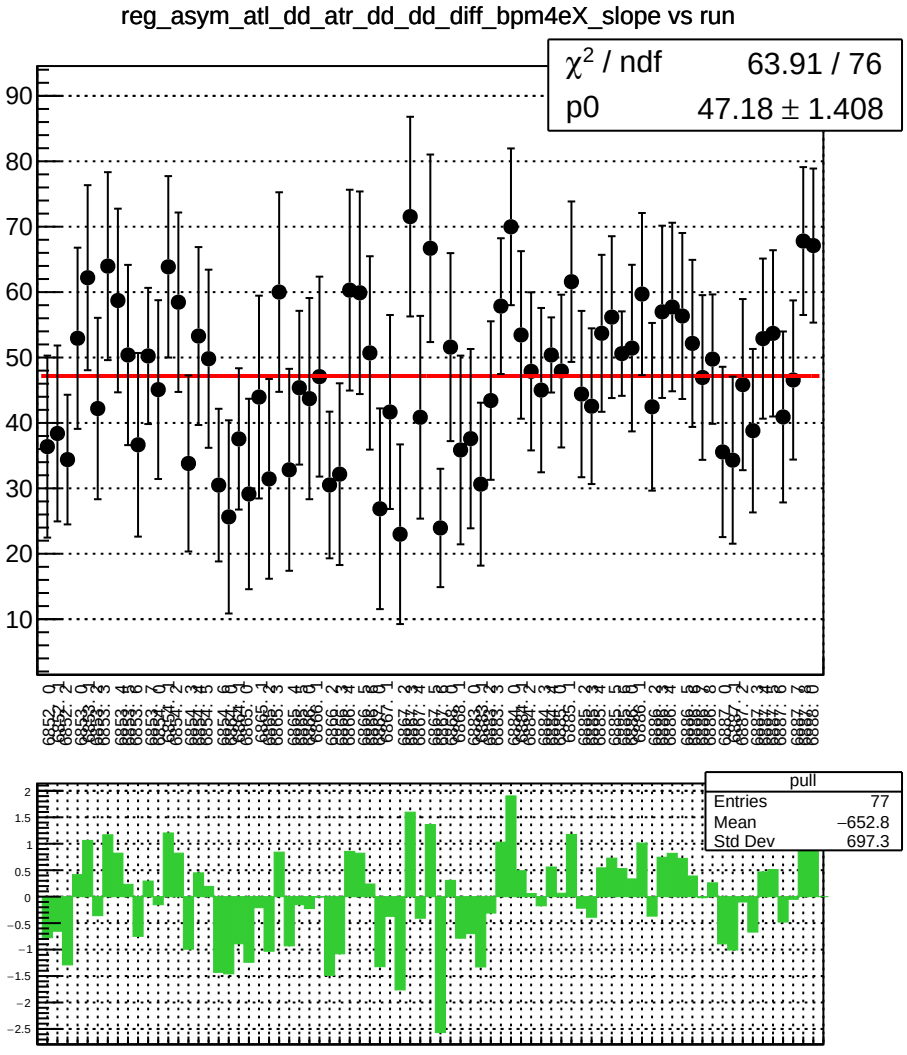

pull1D
Entries 77
Mean 0.007847
Std Dev 0.3196

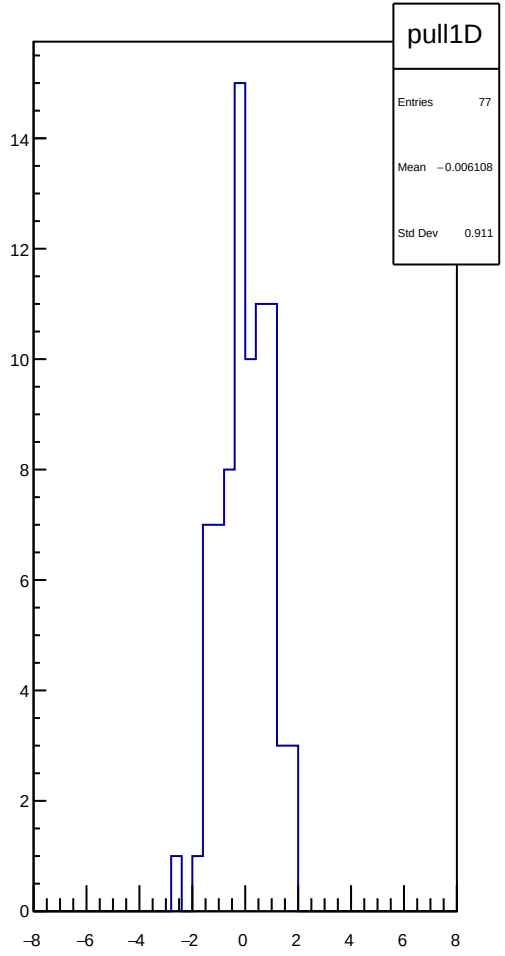

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 10.06 / 76
p0 127.5 ± 0.1794
pull
Entries 77
Mean 220.3
Std Dev 180.3
pull1D
Entries 77
Mean 0.01472
Std Dev 0.3612

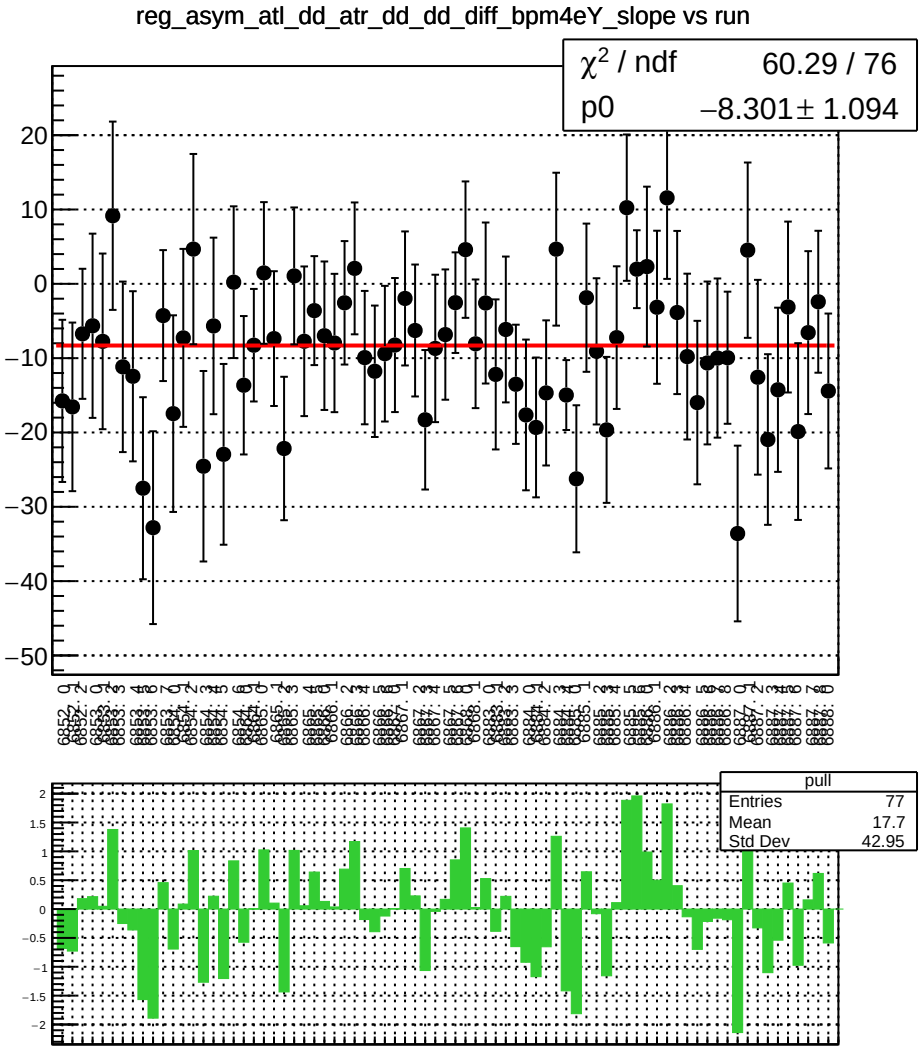

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 63.35 / 76
p0 19.33 ± 1.47
pull
Entries 77
Mean −375.7
Std Dev 420

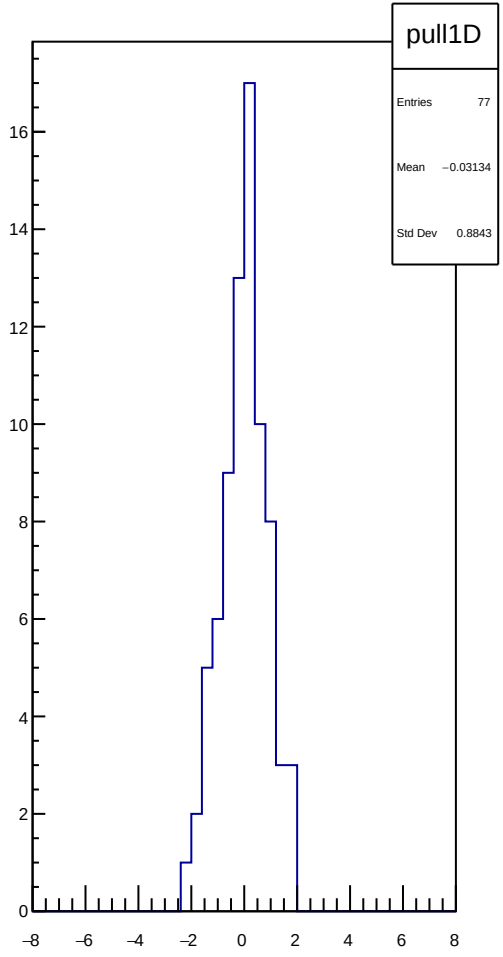

pull1D
Entries 77
Mean 0.01182
Std Dev 0.907

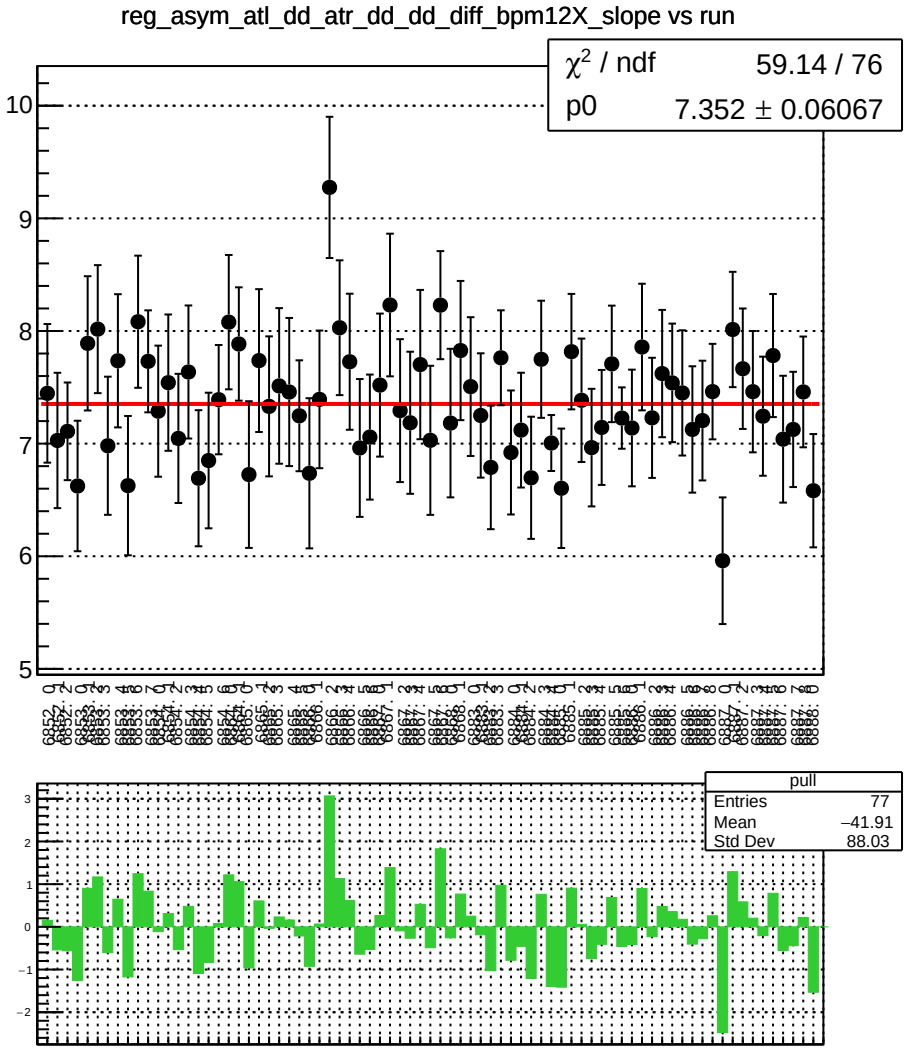

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.5 / 76
p0 2.281 ± 0.8407
pull
Entries 77
Mean 28.69
Std Dev 41.83
pull1D
Entries 77
Mean 0.03681
Std Dev 0.893

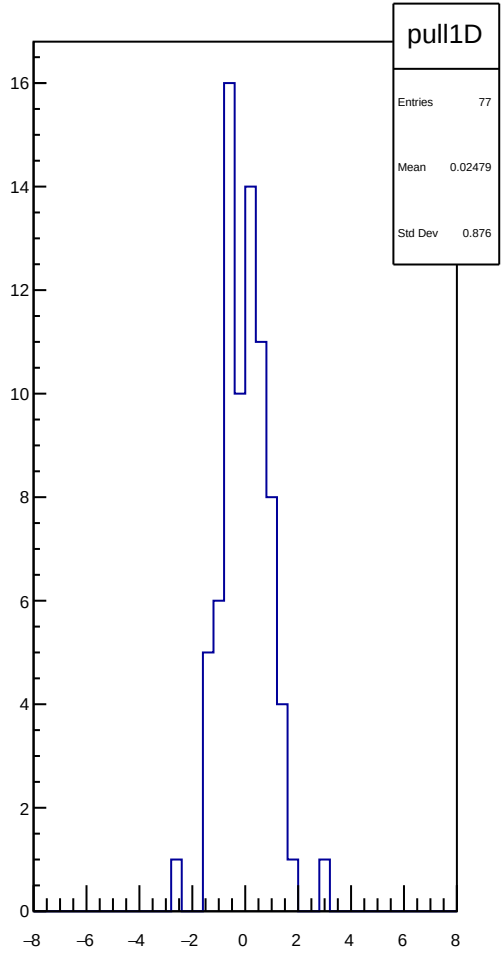

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.91 / 76
p0 47.18 ± 1.408
pull
Entries 77
Mean −652.8
Std Dev 697.3


pull1D
Entries 77
Mean −0.006108
Std Dev 0.911

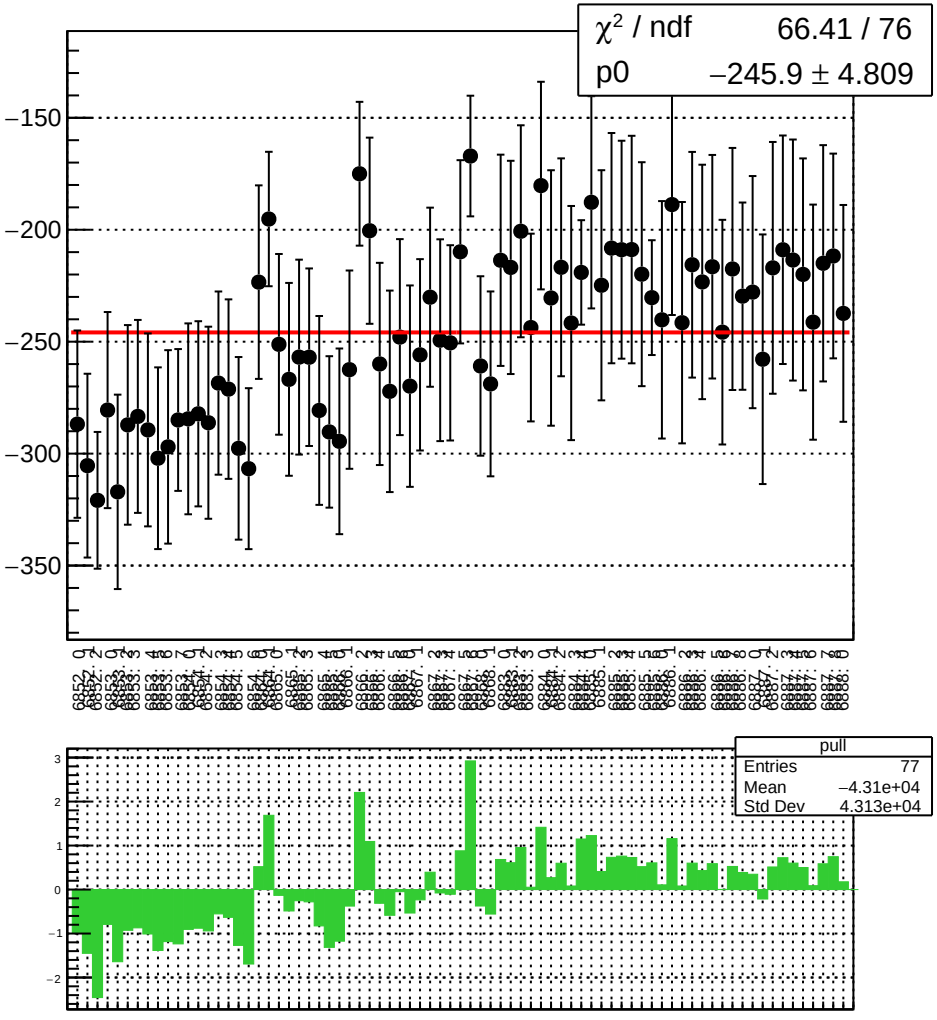

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.29 / 76
p0 −8.301 ± 1.094
pull
Entries 77
Mean 17.7
Std Dev 42.95

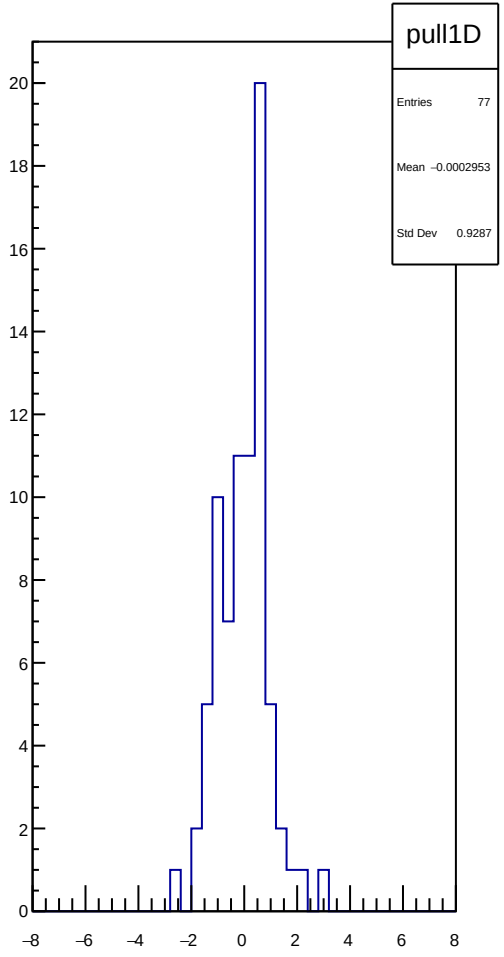

pull1D
Entries 77
Mean −0.03134
Std Dev 0.8843

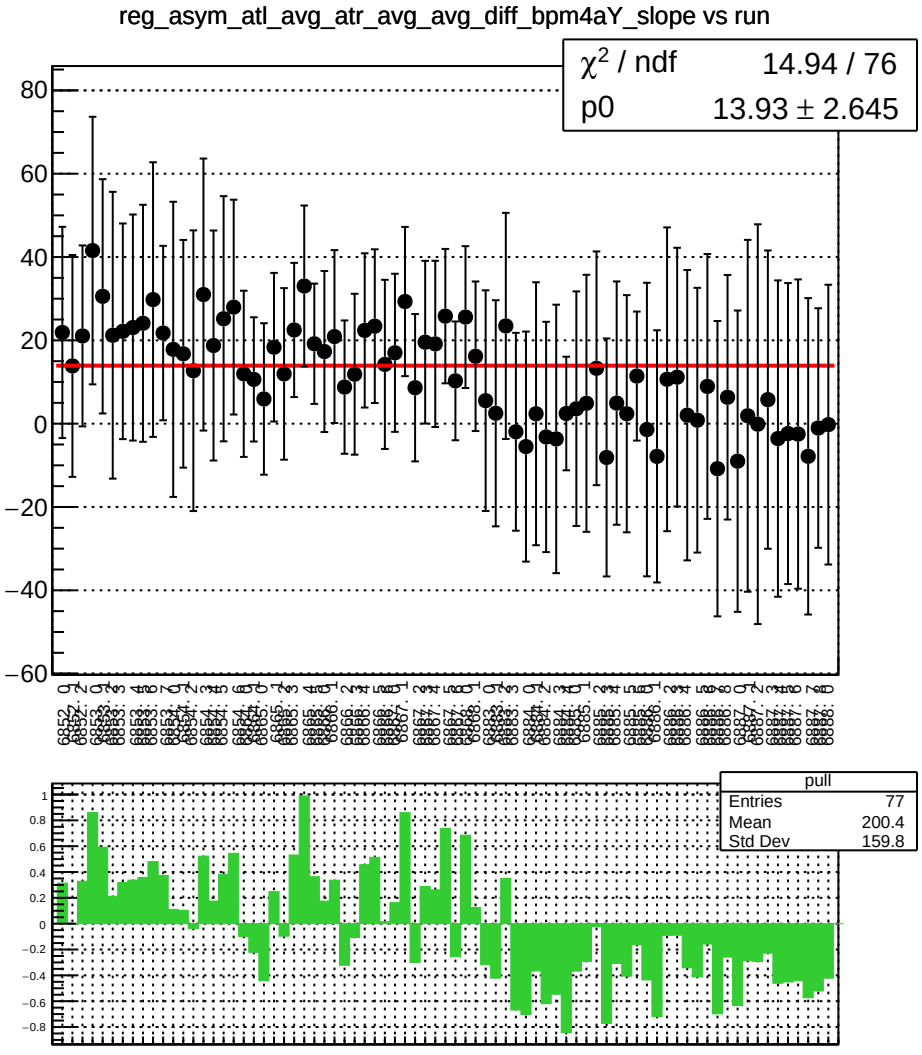

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 59.14 / 76
p0 7.352 ± 0.06067
pull
Entries 77
Mean −41.91
Std Dev 88.03

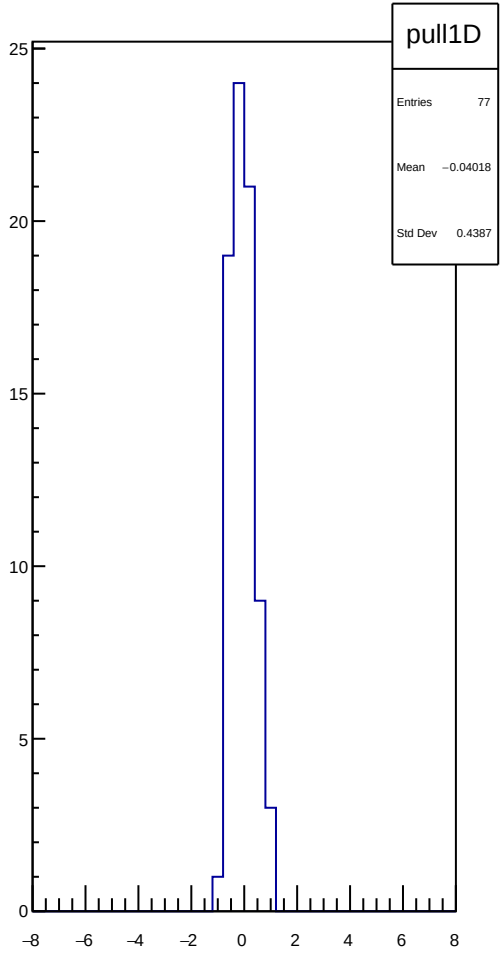

pull1D
Entries 77
Mean 0.02479
Std Dev 0.876

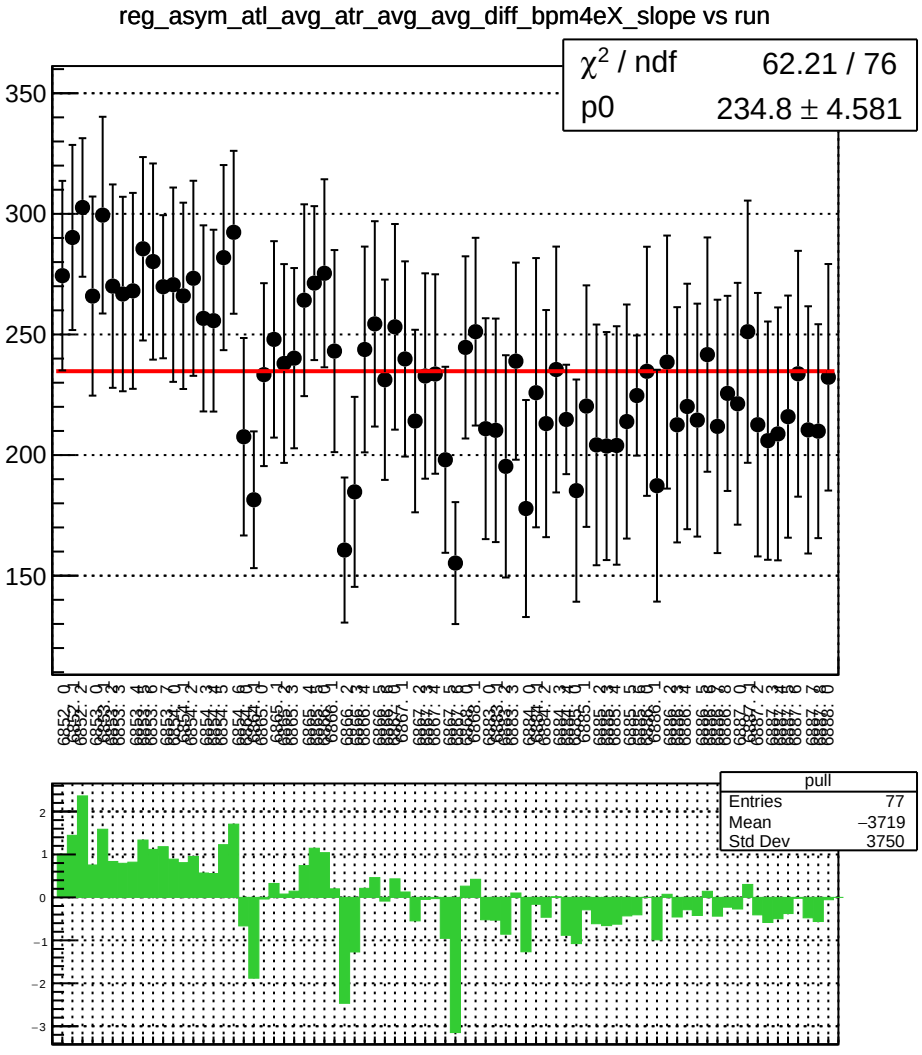
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run

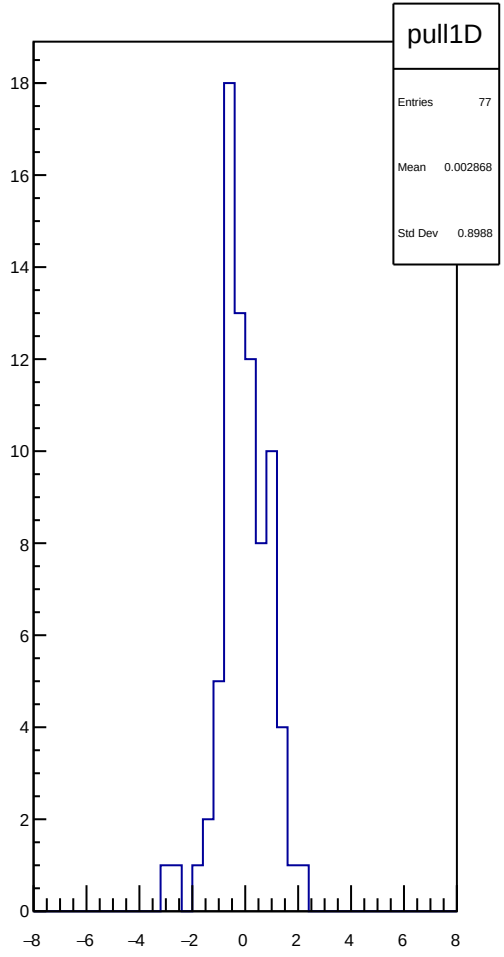


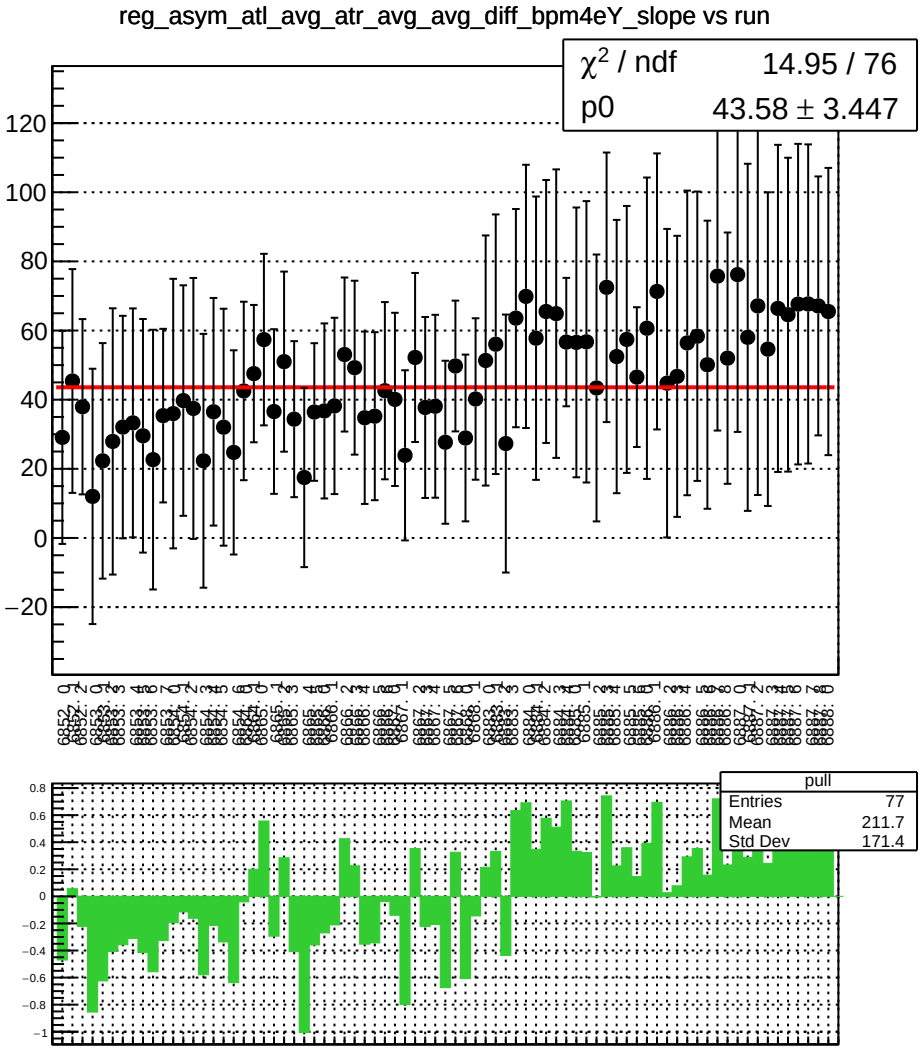


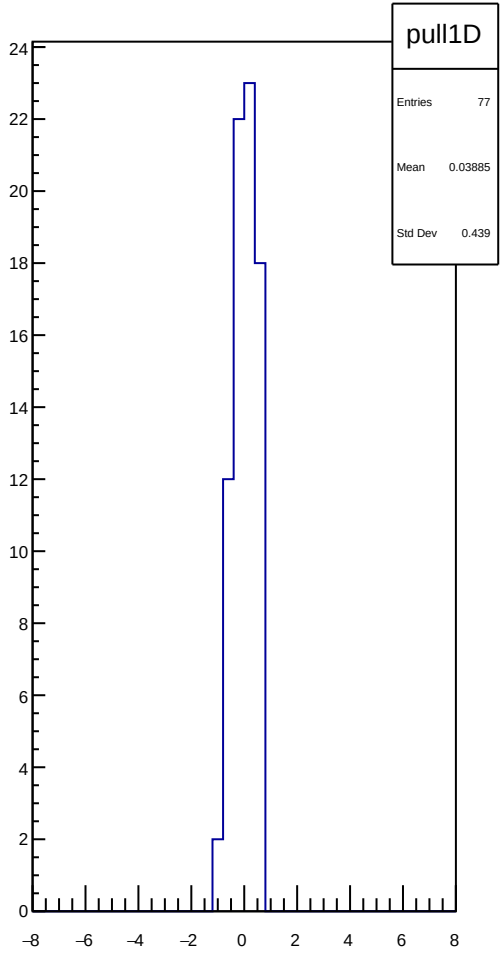

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.94 / 76
p0 13.93 ± 2.645
pull
Entries 77
Mean 200.4
Std Dev 159.8

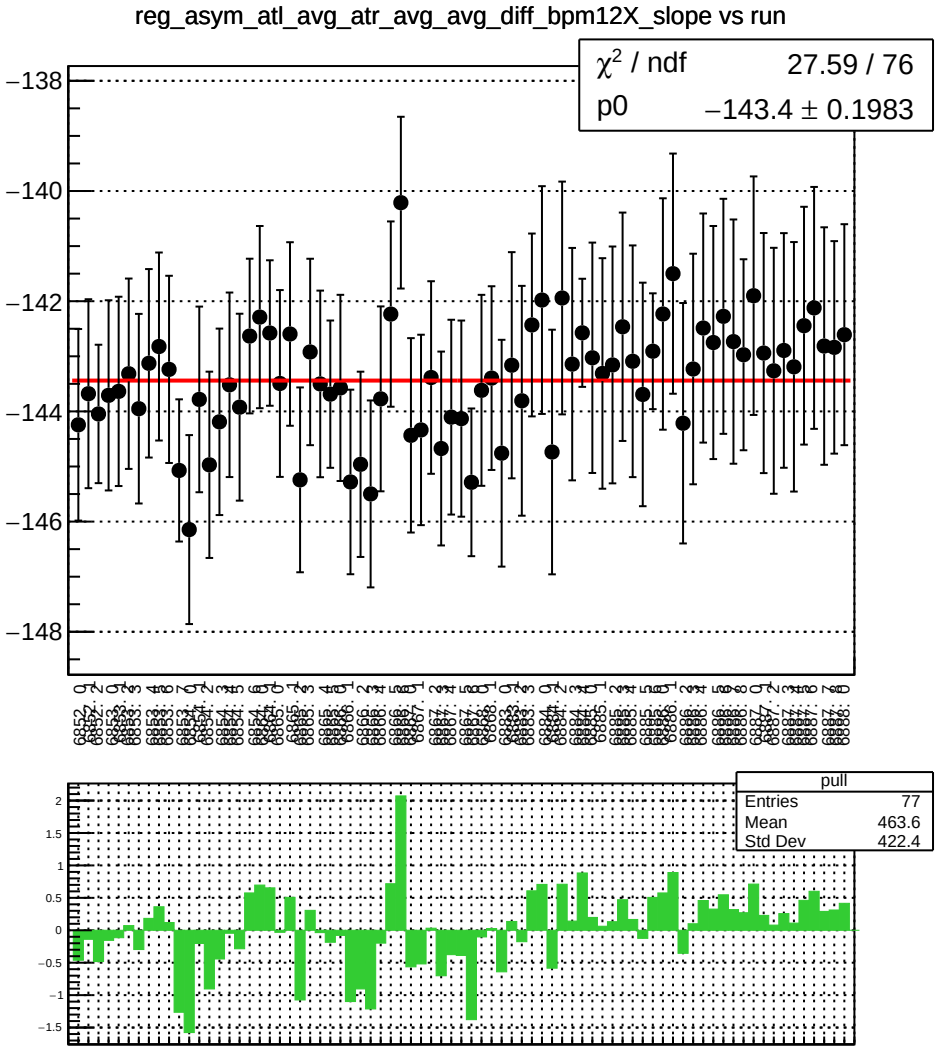

pull1D
Entries 77
Mean −0.04018
Std Dev 0.4387

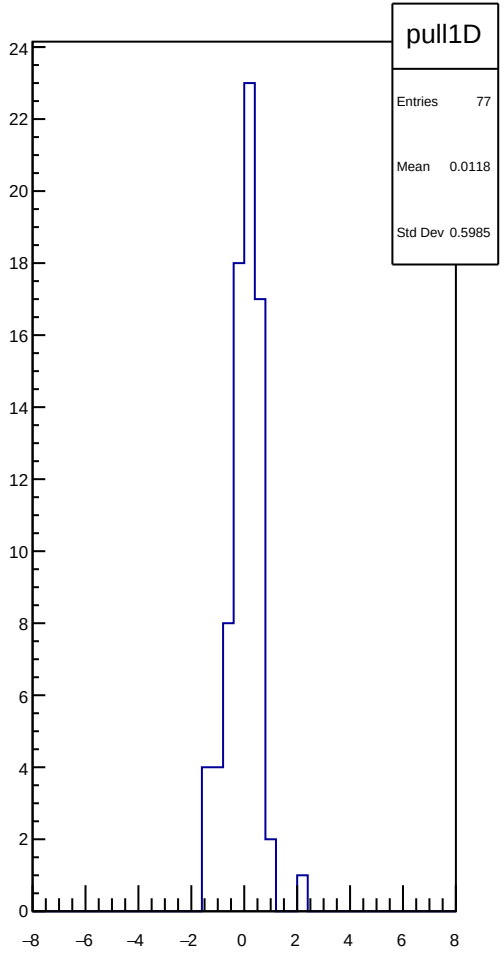

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.21 / 76
p0 234.8 ± 4.581
350
300
250
200
150
pull
Entries 77
Mean −3719
Std Dev 3750
2
1
0
−1
−2
−3

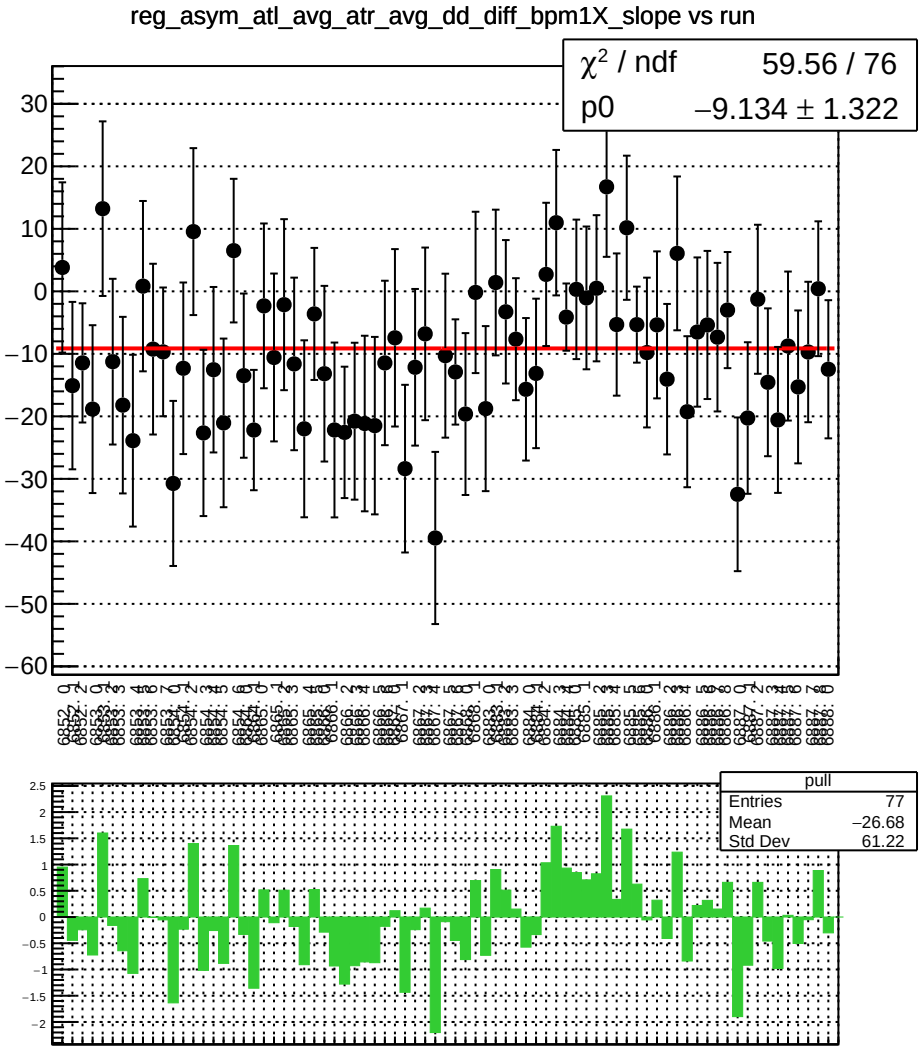

pull1D
Entries 77
Mean 0.002868
Std Dev 0.8988
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

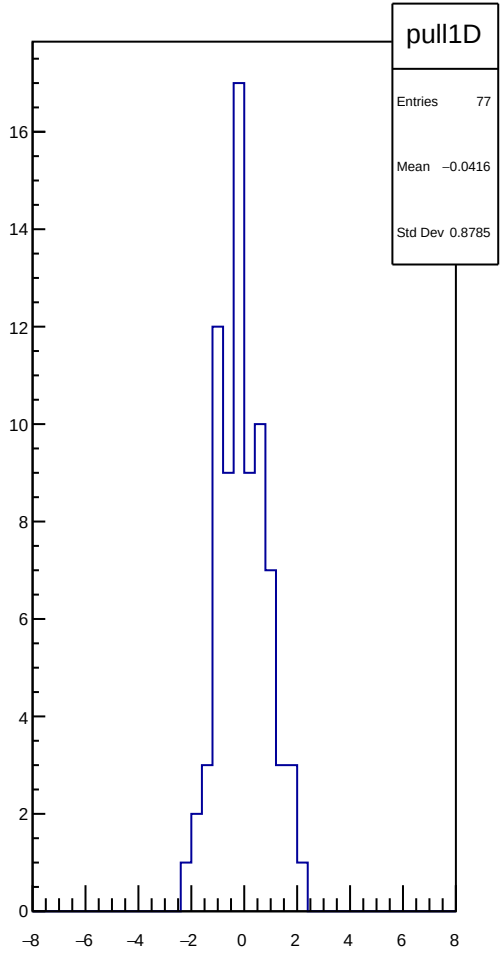

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.95 / 76
p0 43.58 ± 3.447
pull
Entries 77
Mean 211.7
Std Dev 171.4

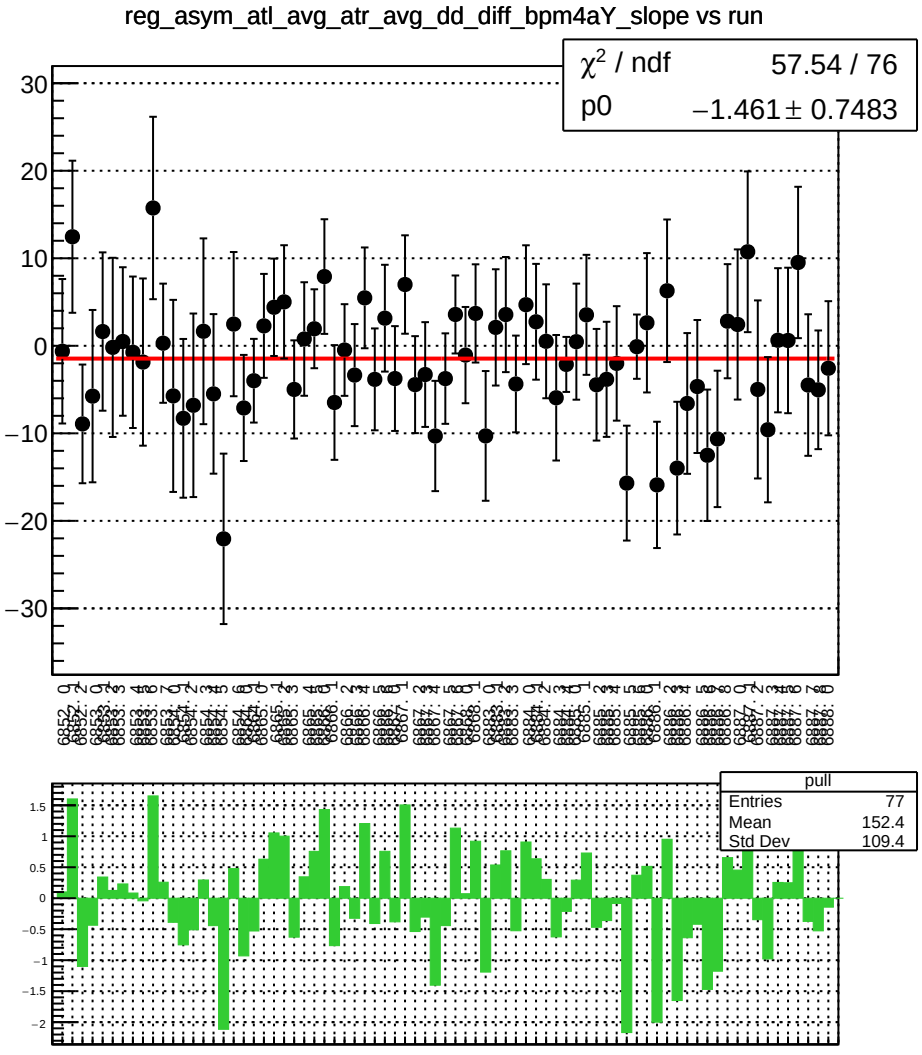

pull1D
Entries 77
Mean 0.03885
Std Dev 0.439

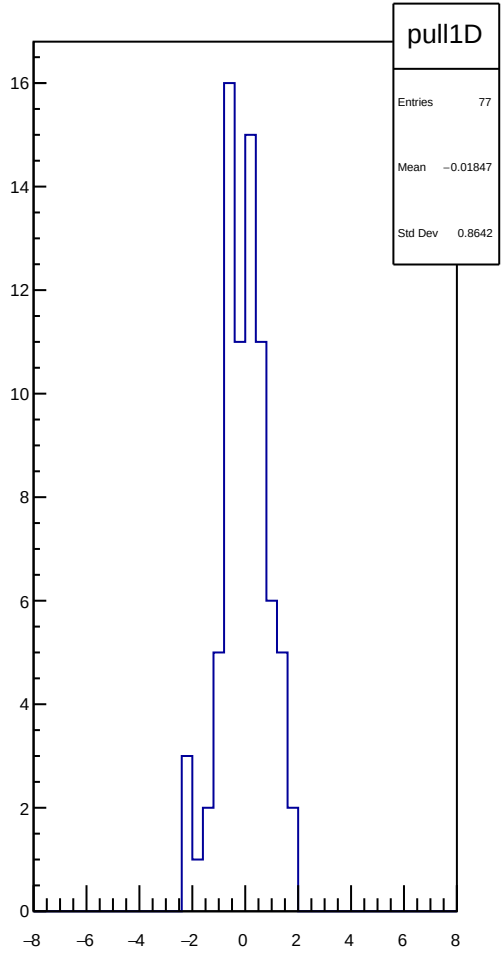

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 27.59 / 76
p0 −143.4 ± 0.1983
pull
Entries 77
Mean 463.6
Std Dev 422.4

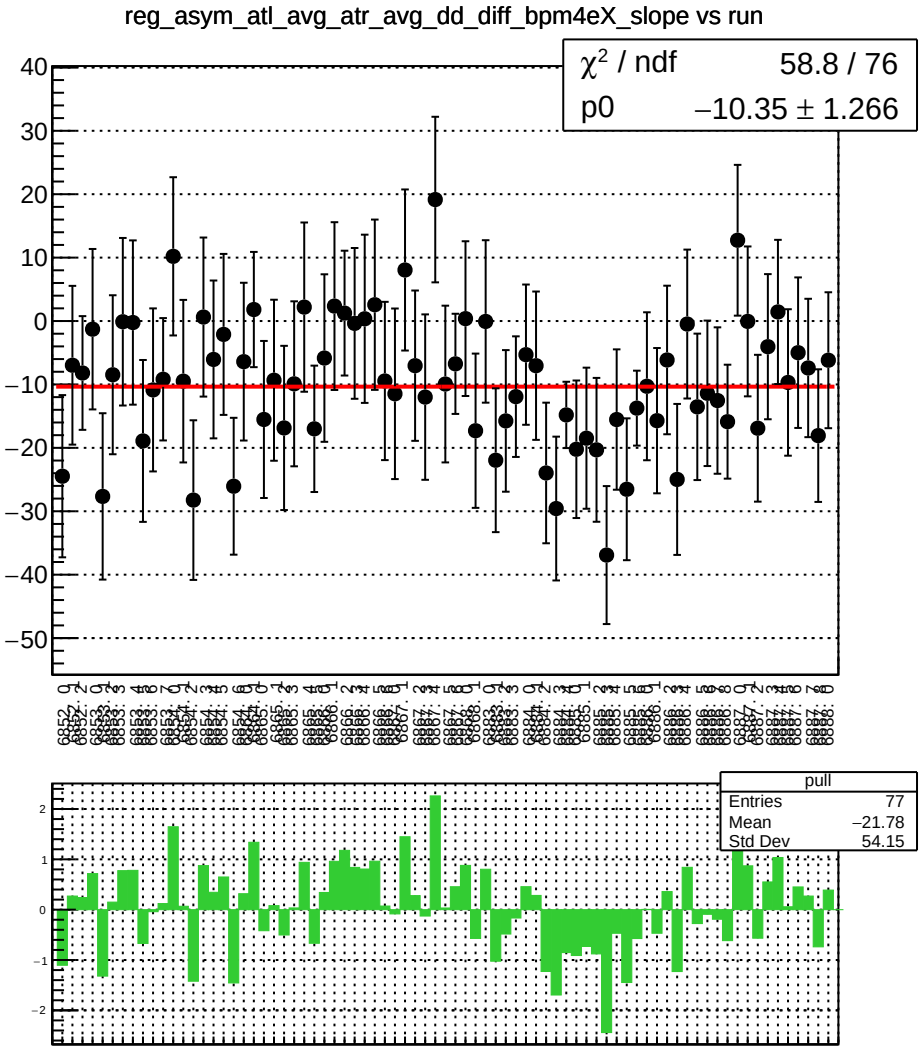

pull1D
Entries 77
Mean 0.0118
Std Dev 0.5985

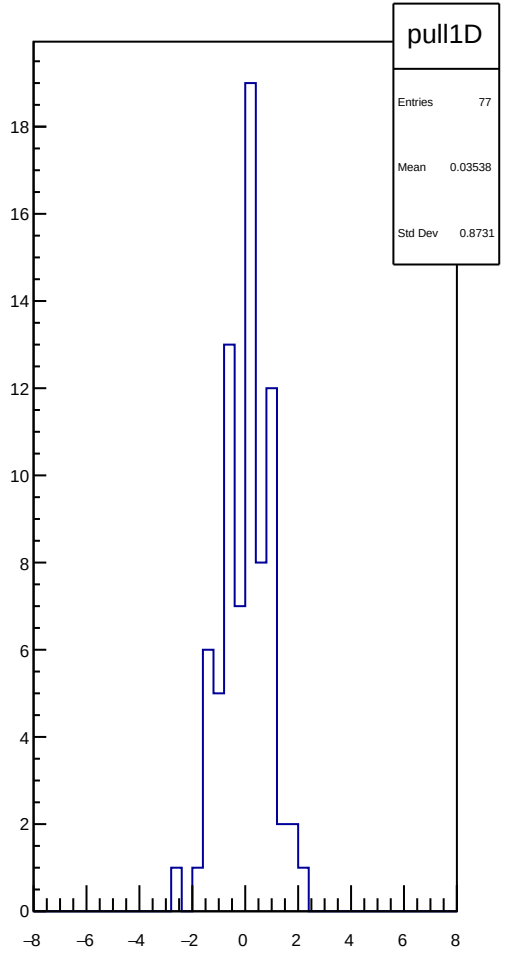

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 59.56 / 76
p0 −9.134 ± 1.322
pull
Entries 77
Mean −26.68
Std Dev 61.22

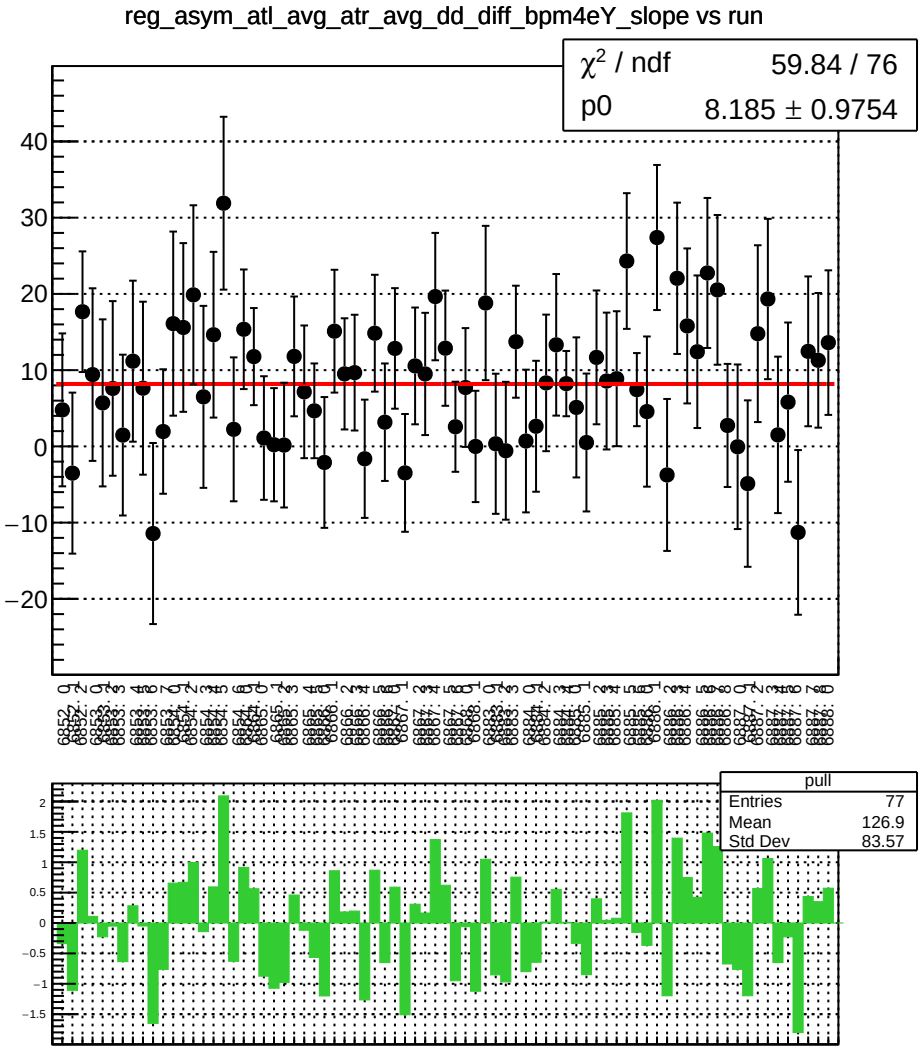

pull1D
Entries 77
Mean −0.0416
Std Dev 0.8785

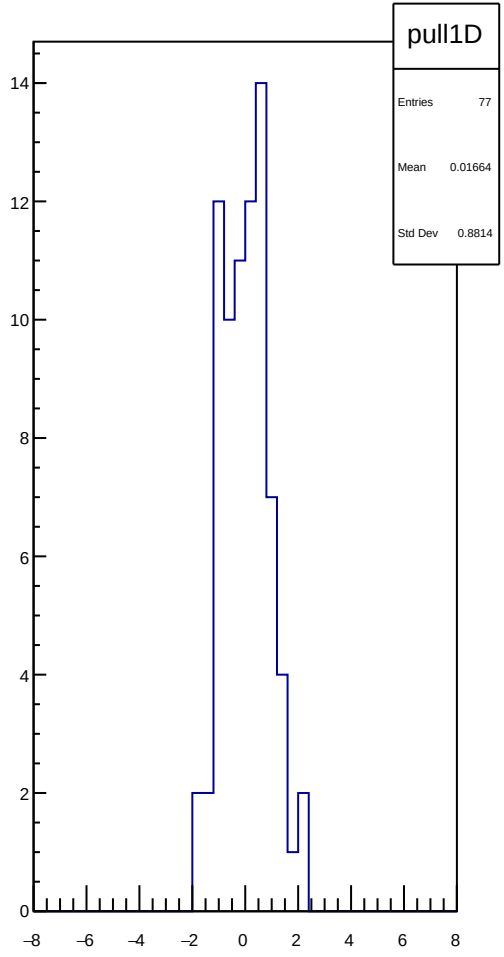

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.54 / 76
p0 −1.461 ± 0.7483
pull
Entries 77
Mean 152.4
Std Dev 109.4

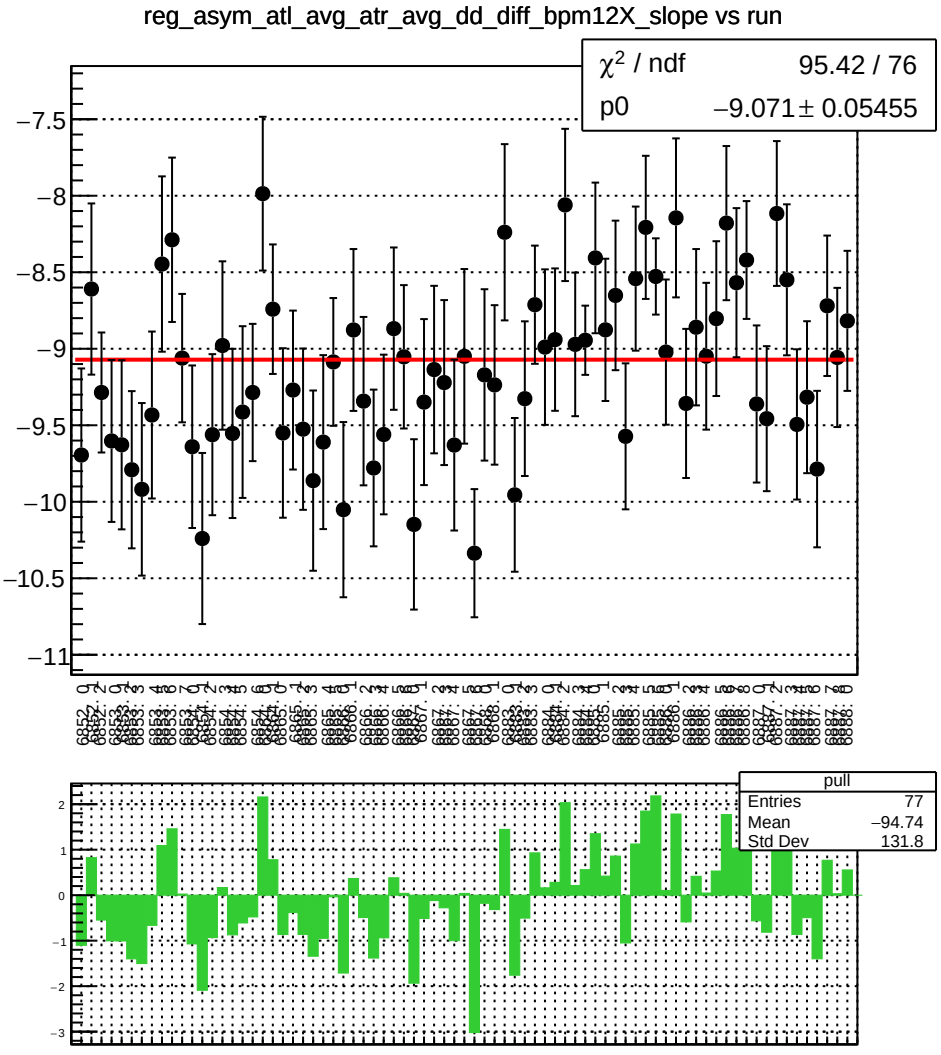

pull1D
Entries 77
Mean −0.01847
Std Dev 0.8642

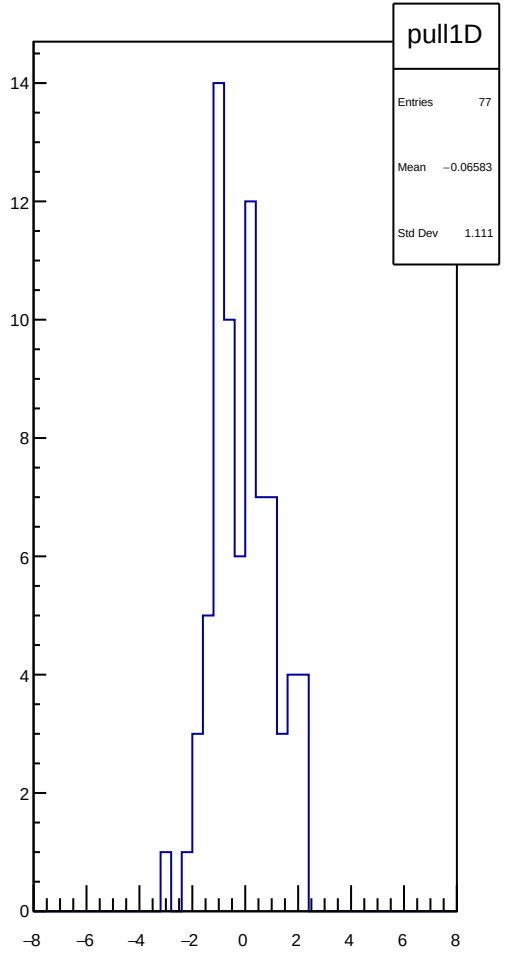

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.8 / 76
p0 −10.35 ± 1.266
pull
Entries 77
Mean −21.78
Std Dev 54.15

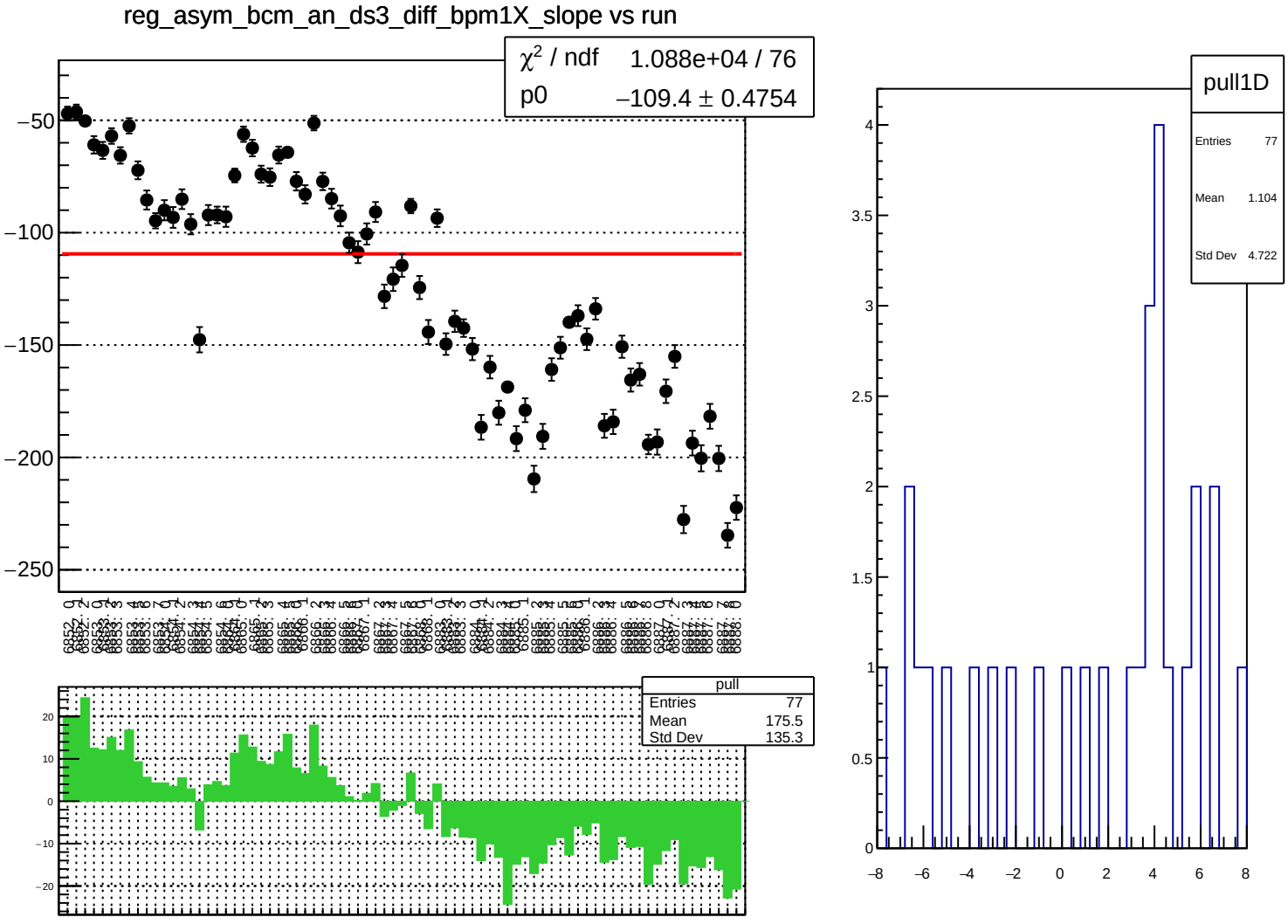

pull1D
Entries 77
Mean 0.03538
Std Dev 0.8731

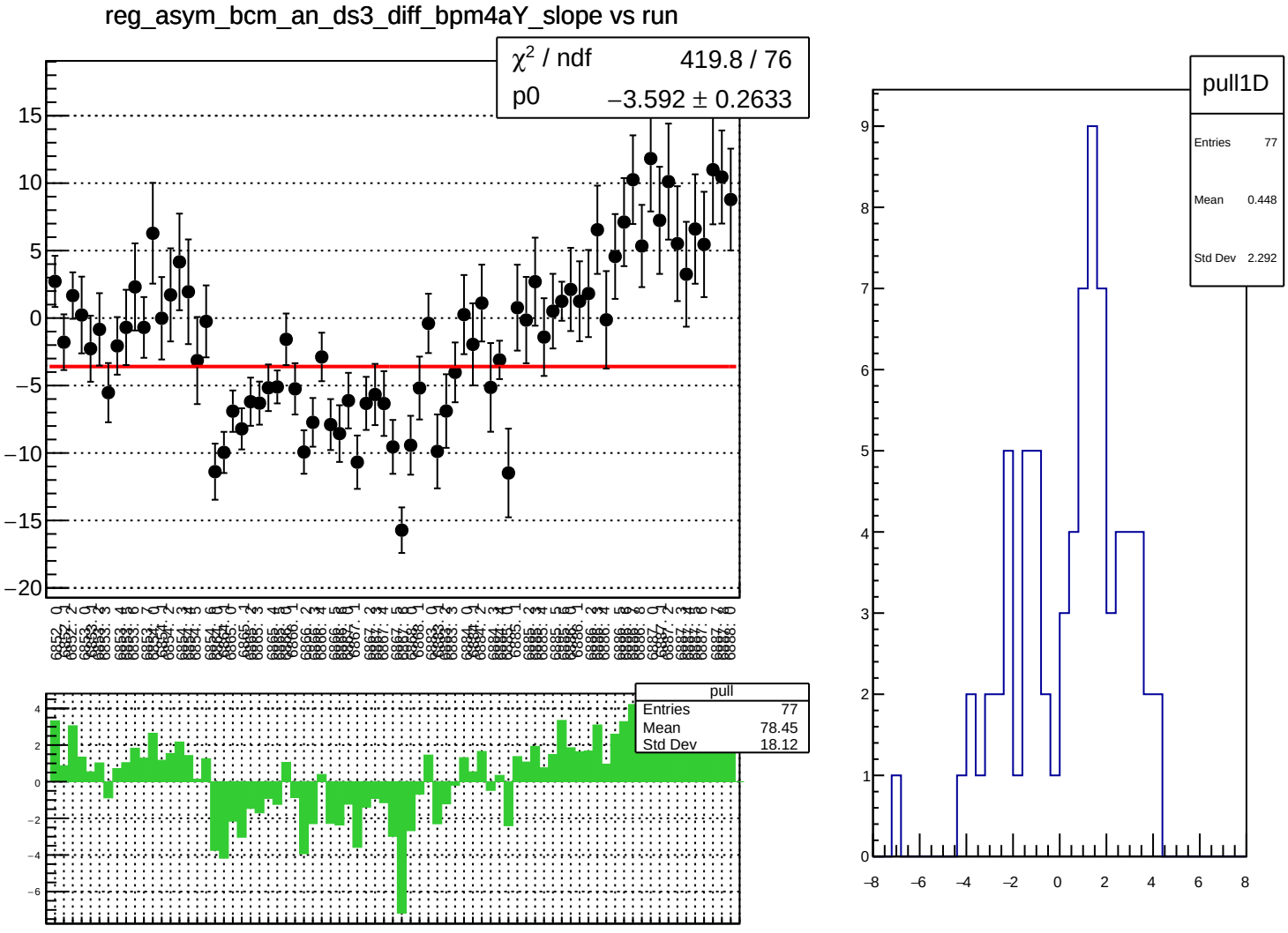

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 59.84 / 76
p0 8.185 ± 0.9754
pull
Entries 77
Mean 126.9
Std Dev 83.57

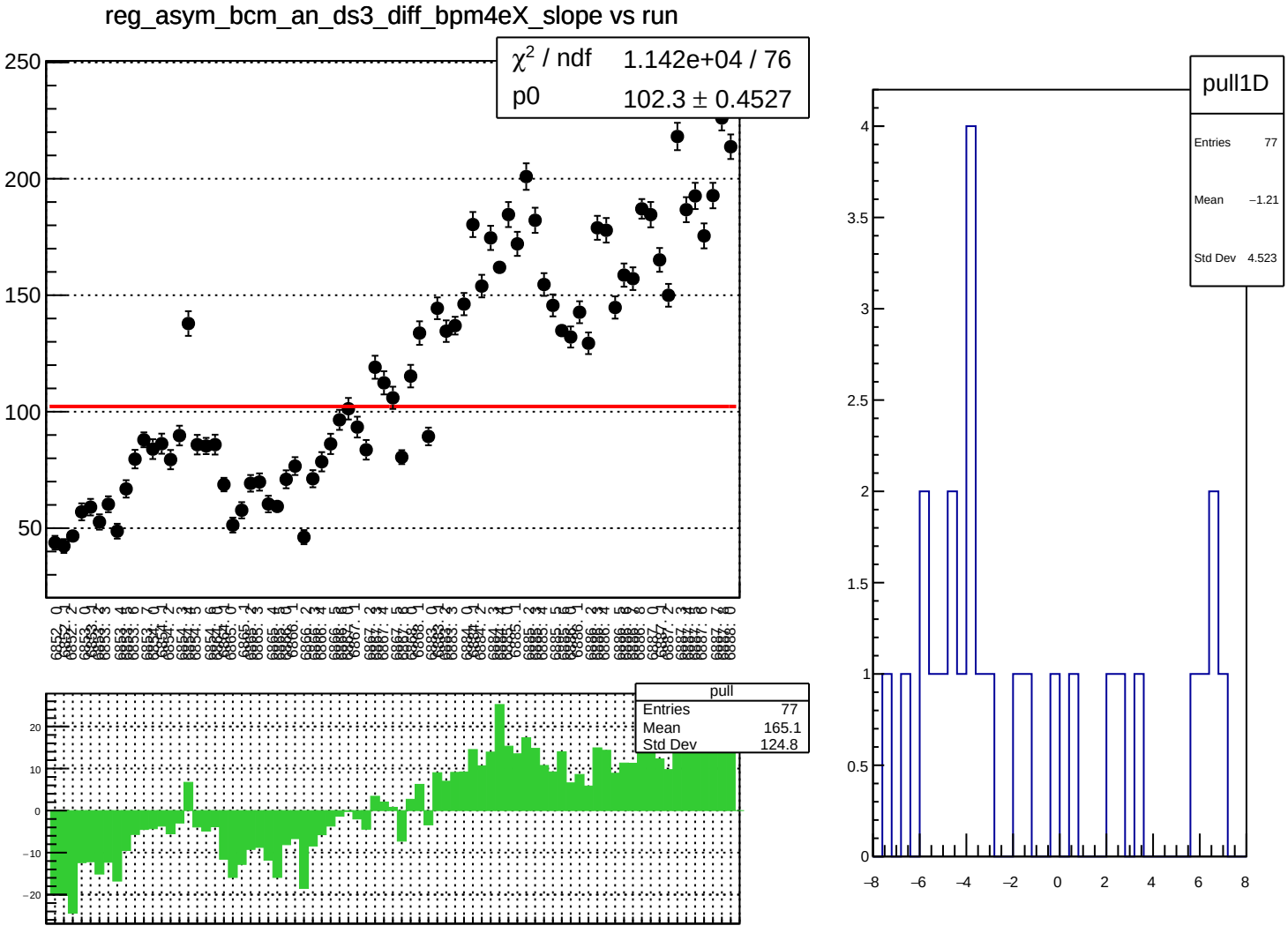

pull1D
Entries 77
Mean 0.01664
Std Dev 0.8814

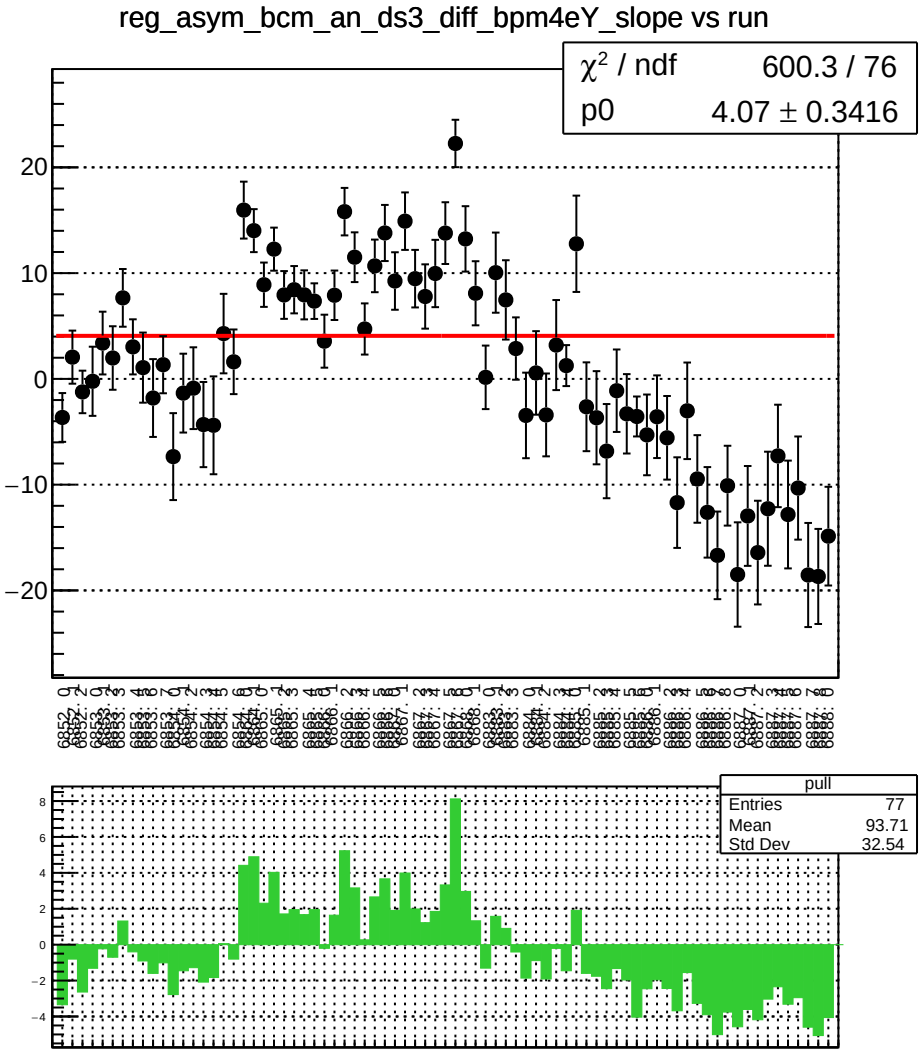

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 95.42 / 76
p0 −9.071 ± 0.05455
pull
Entries 77
Mean −94.74
Std Dev 131.8

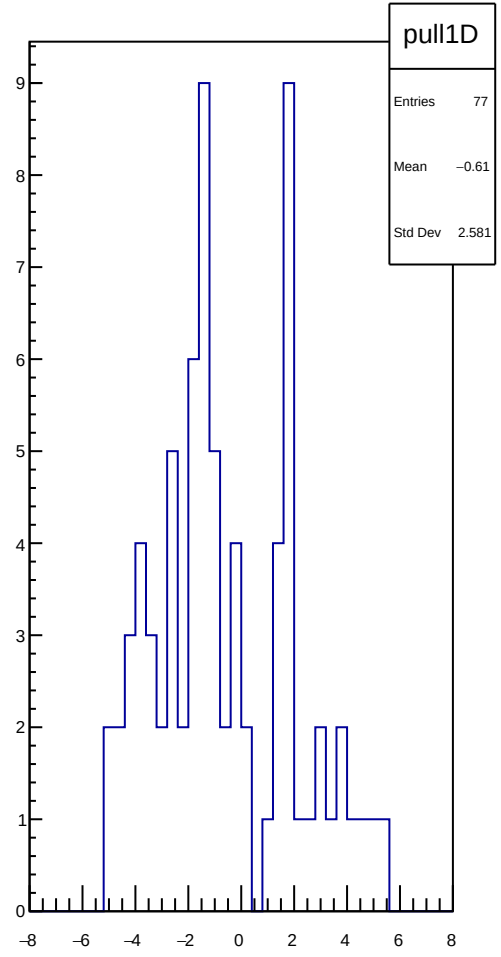

pull1D
Entries 77
Mean −0.06583
Std Dev 1.111

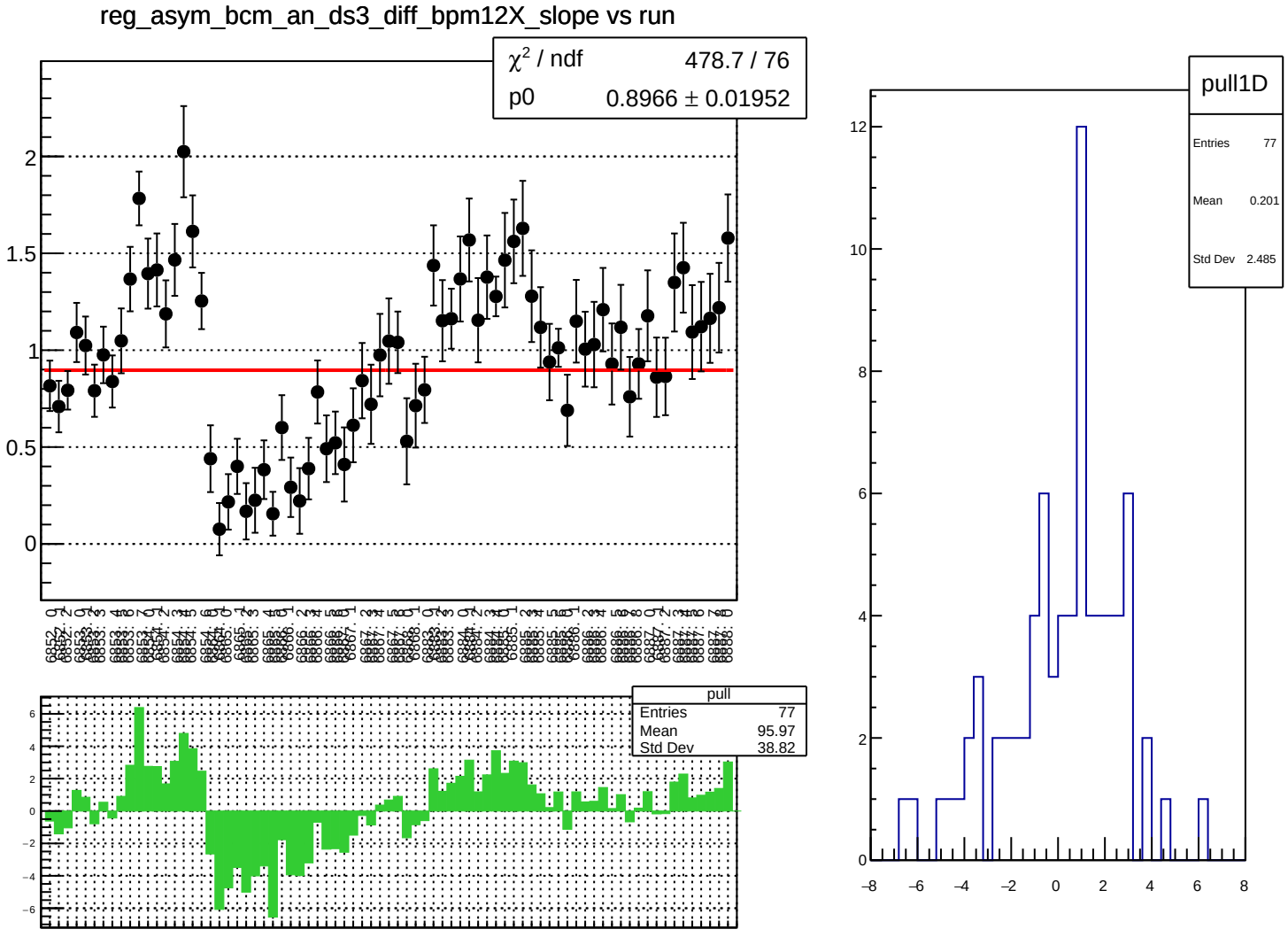

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1.088e+04 / 76
p0 −109.4 ± 0.4754
pull
Entries 77
Mean 175.5
Std Dev 135.3
pull1D
Entries 77
Mean 1.104
Std Dev 4.722

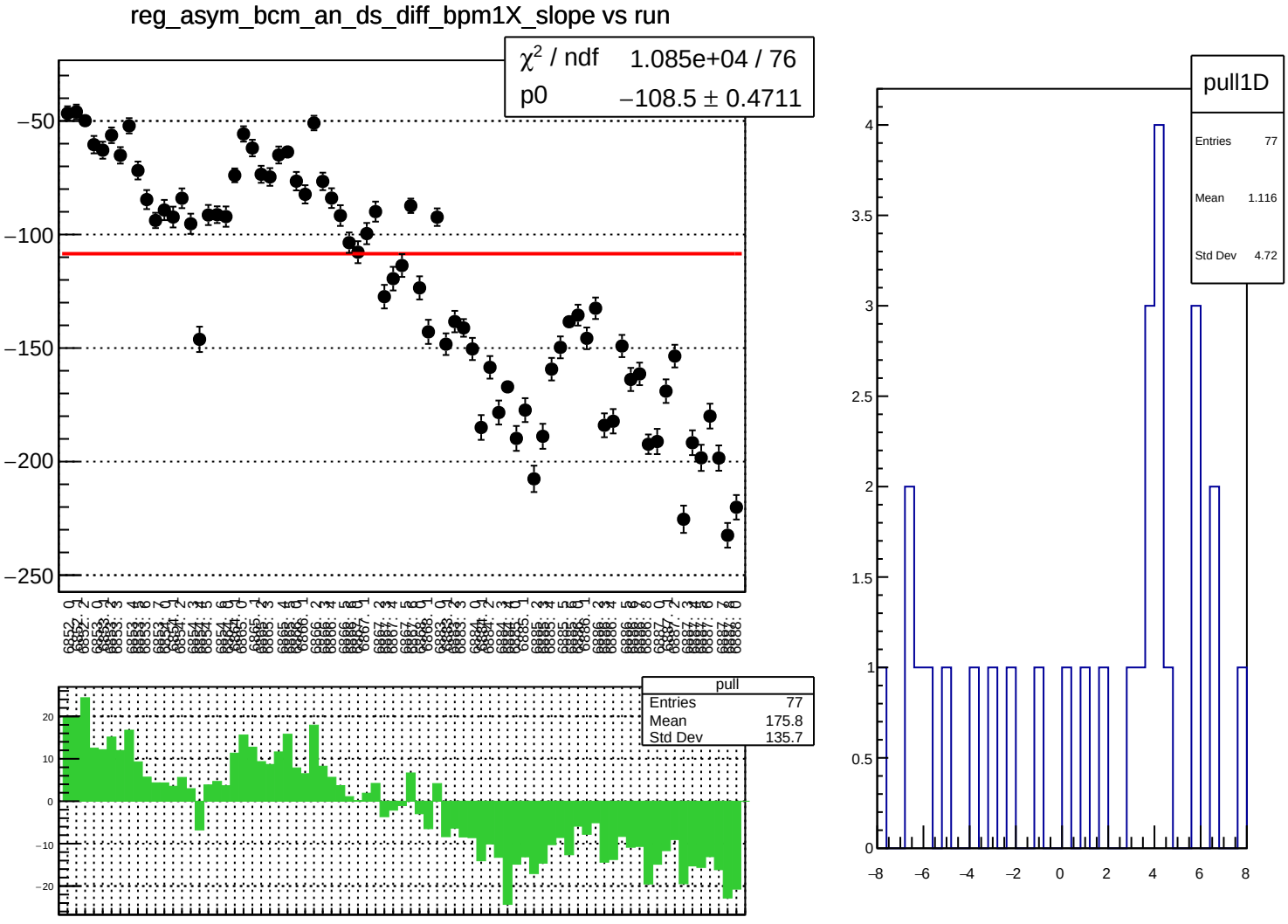

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 419.8 / 76
p0 −3.592 ± 0.2633
pull
Entries 77
Mean 78.45
Std Dev 18.12
pull1D
Entries 77
Mean 0.448
Std Dev 2.292

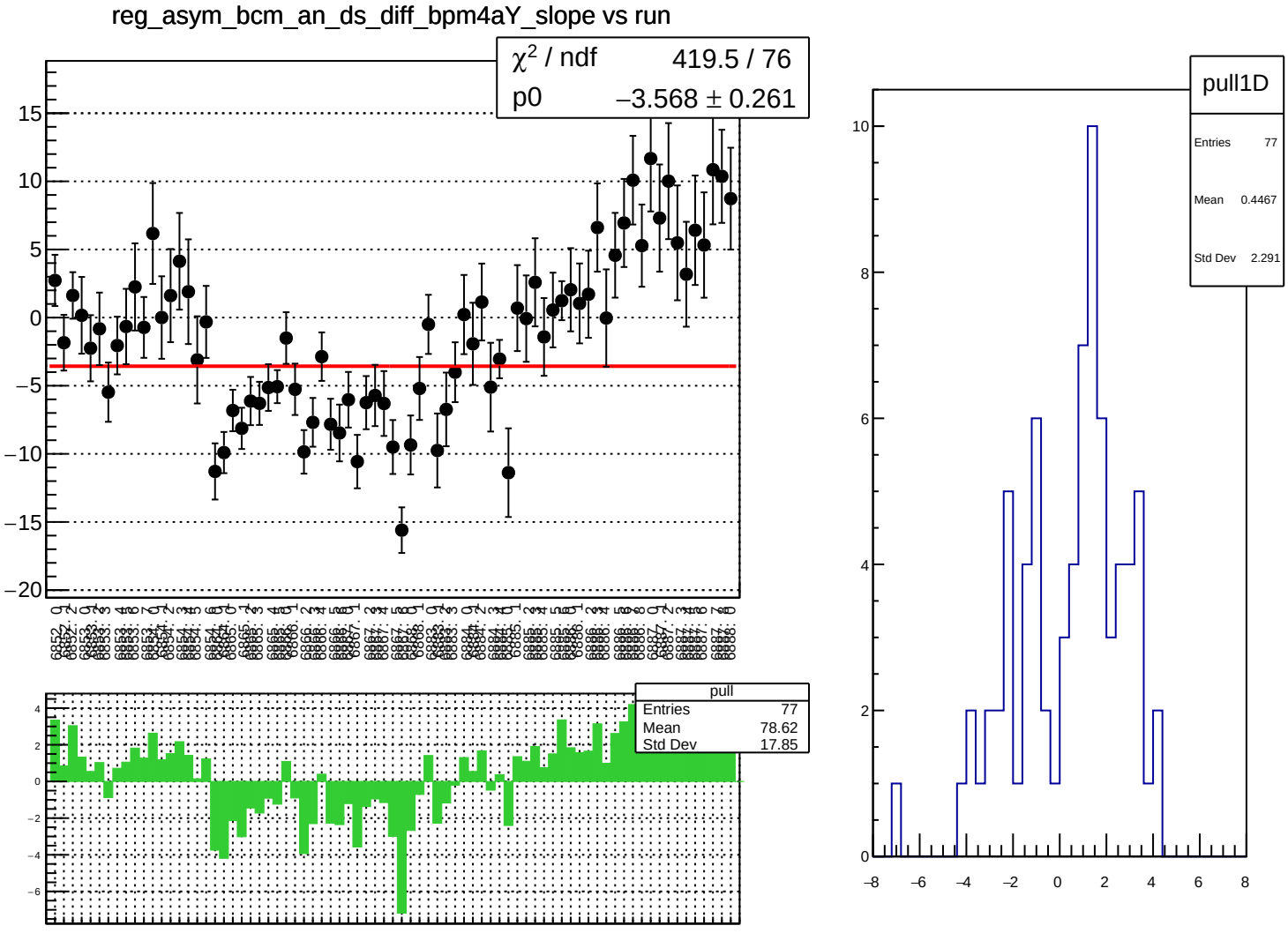

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1.142e+04 / 76
p0 102.3 ± 0.4527
250
200
150
100
50
pull
Entries 77
Mean 165.1
Std Dev 124.8
20
10
0
−10
−20
pull1D
Entries 77
Mean −1.21
Std Dev 4.523
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

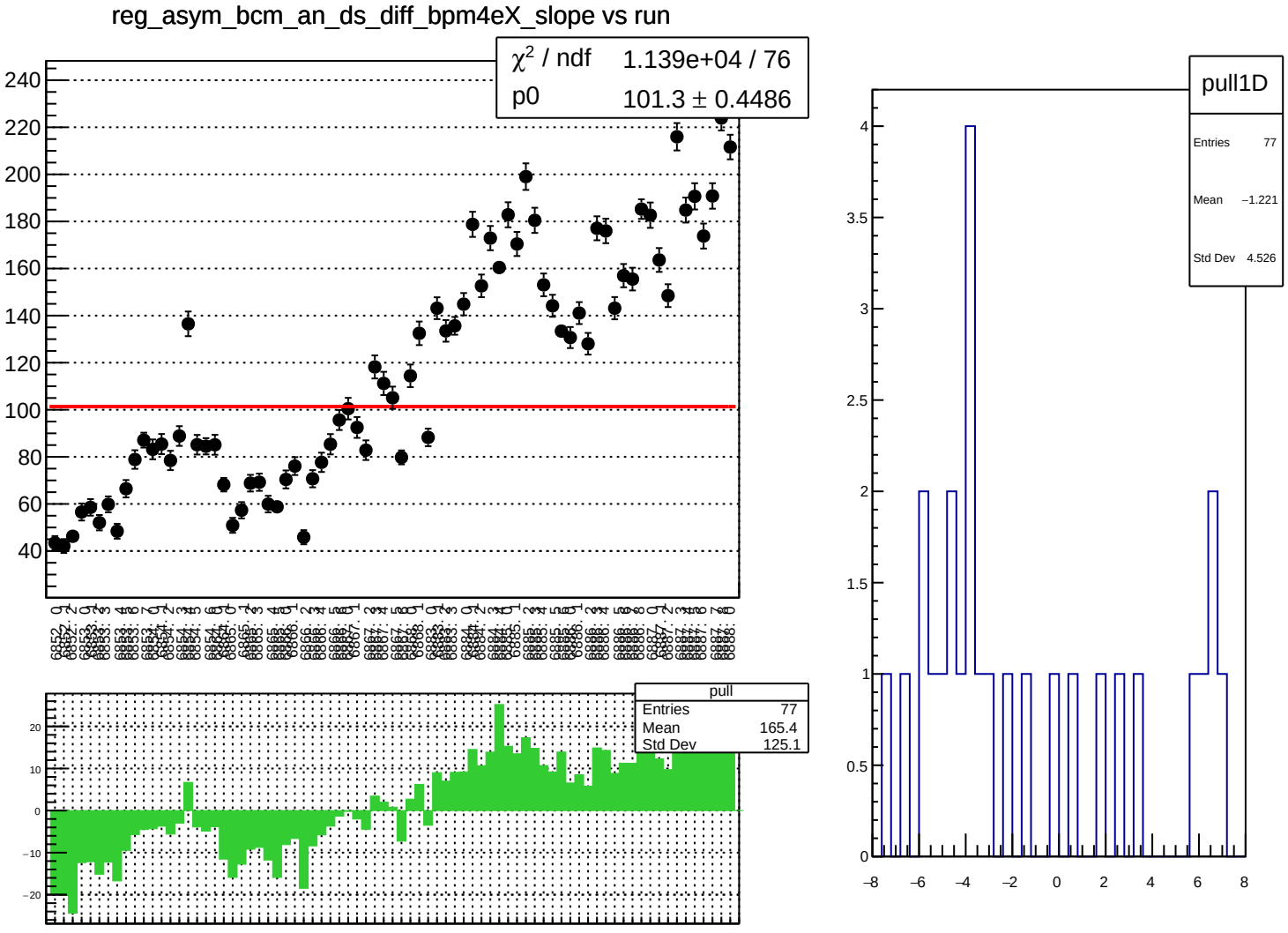

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 600.3 / 76
p0 4.07 ± 0.3416
pull
Entries 77
Mean 93.71
Std Dev 32.54

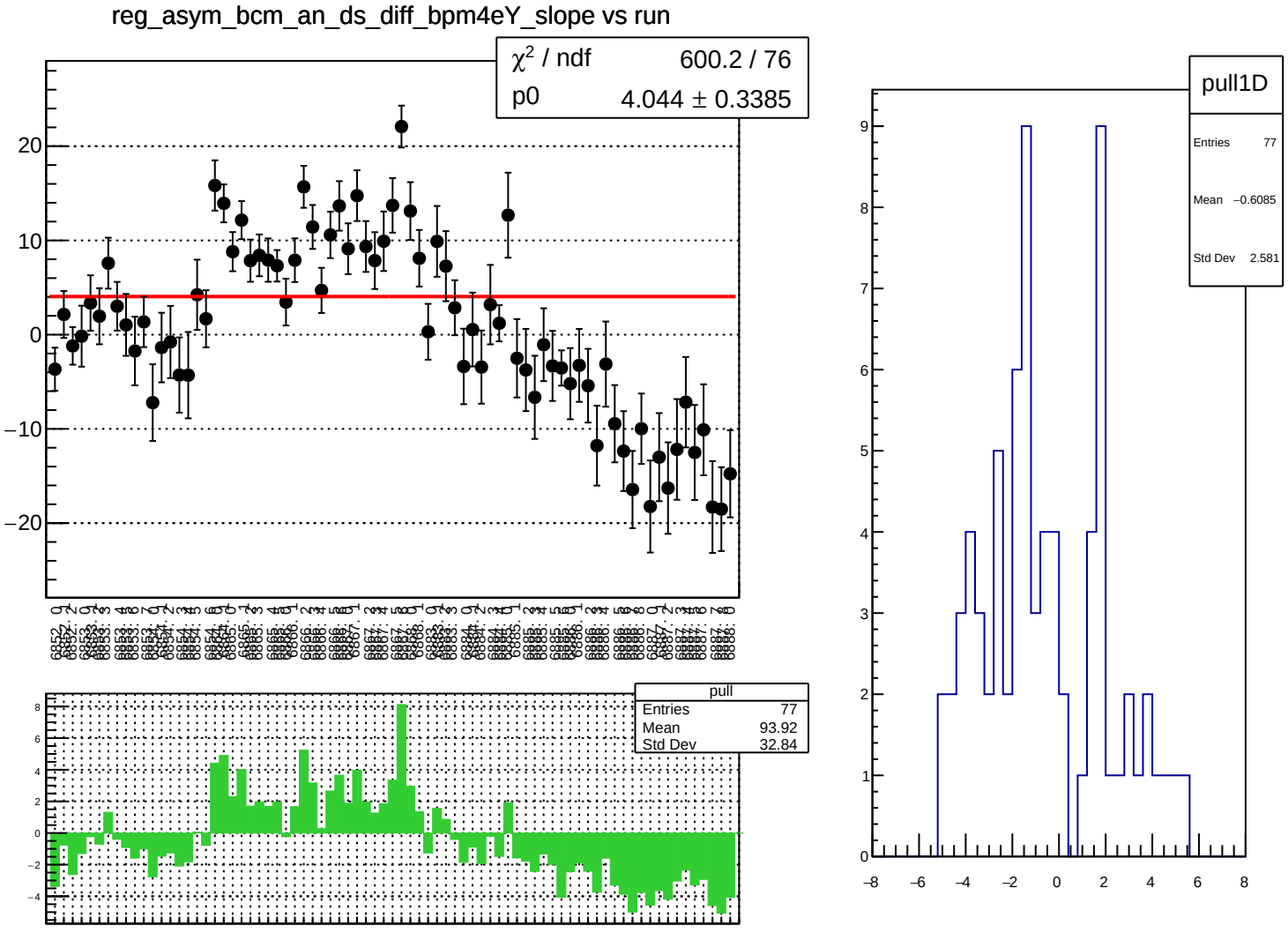

pull1D
Entries 77
Mean −0.61
Std Dev 2.581

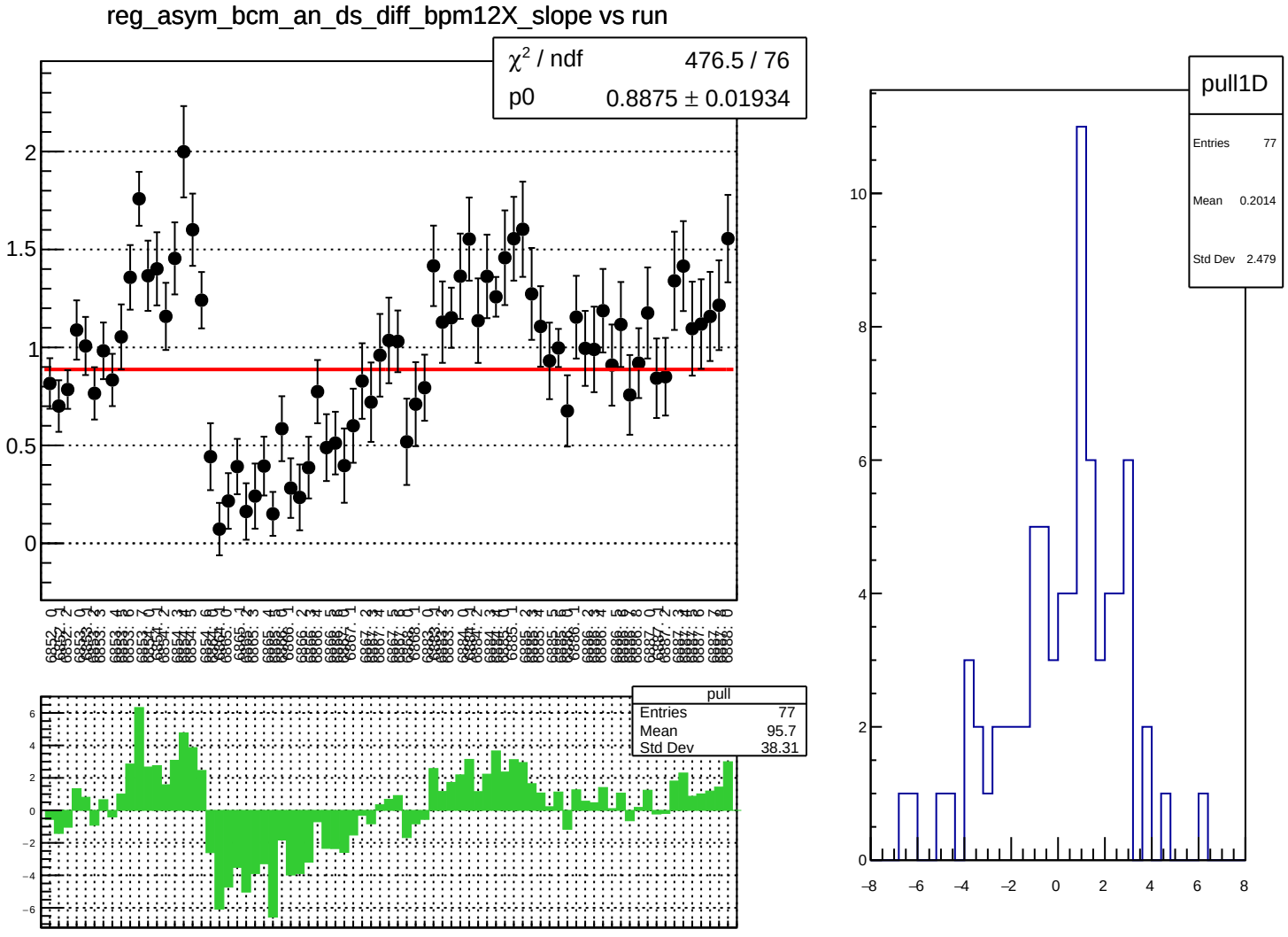

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 478.7 / 76
p0 0.8966 ± 0.01952
pull
Entries 77
Mean 95.97
Std Dev 38.82
pull1D
Entries 77
Mean 0.201
Std Dev 2.485

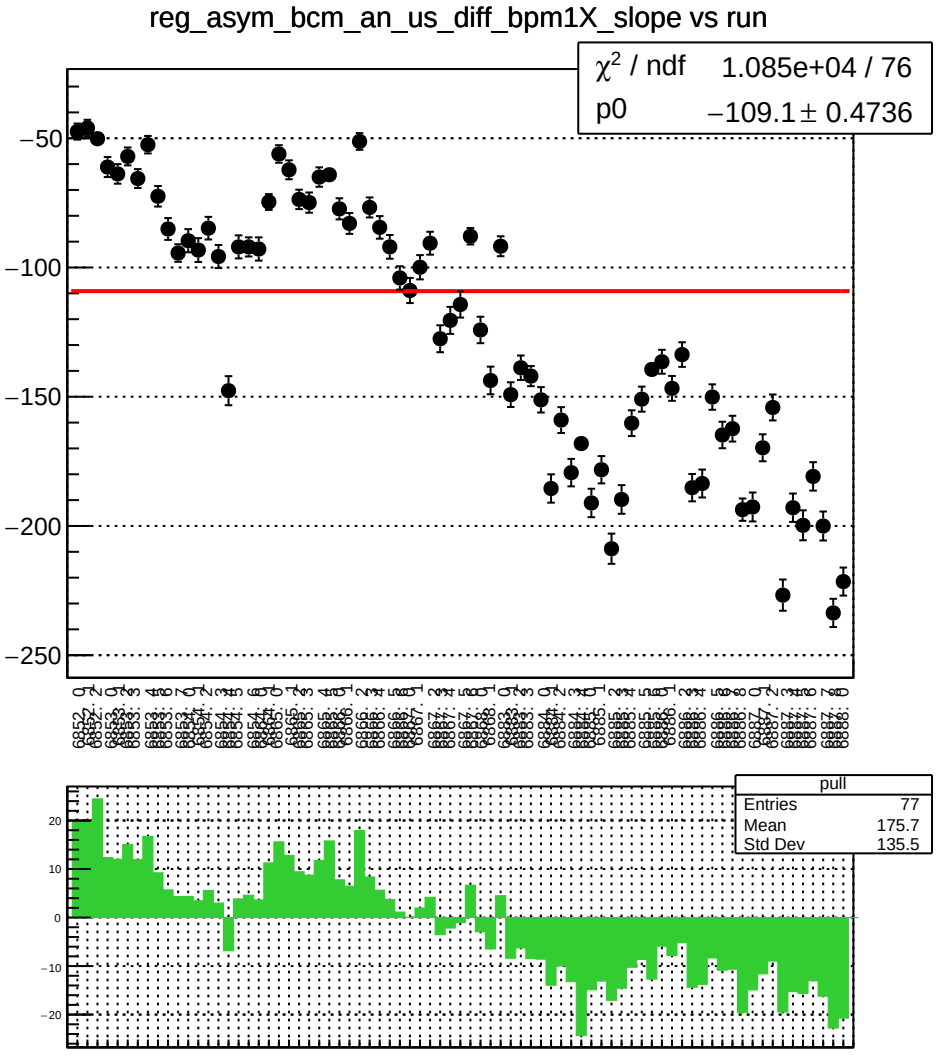

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1.085e+04 / 76
p0 −108.5 ± 0.4711
pull
Entries 77
Mean 175.8
Std Dev 135.7
pull1D
Entries 77
Mean 1.116
Std Dev 4.72

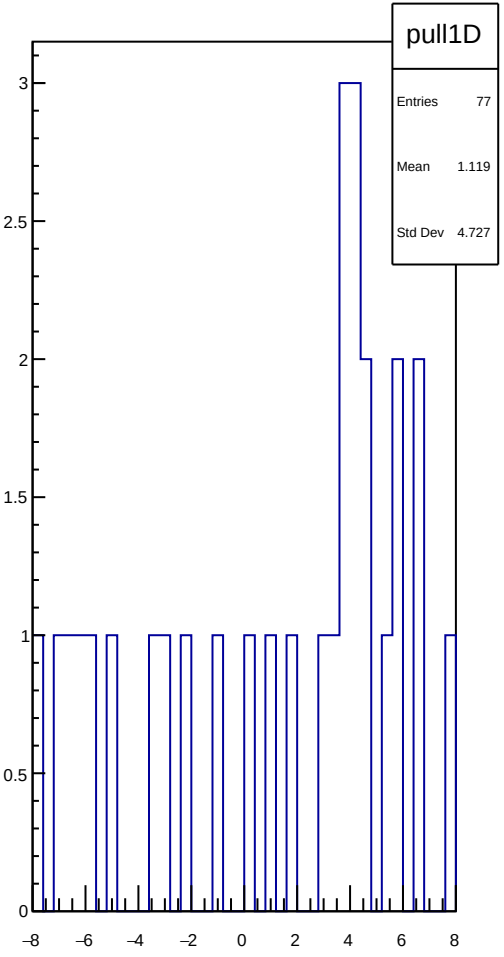

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 419.5 / 76
p0 −3.568 ± 0.261
pull
Entries 77
Mean 78.62
Std Dev 17.85
pull1D
Entries 77
Mean 0.4467
Std Dev 2.291

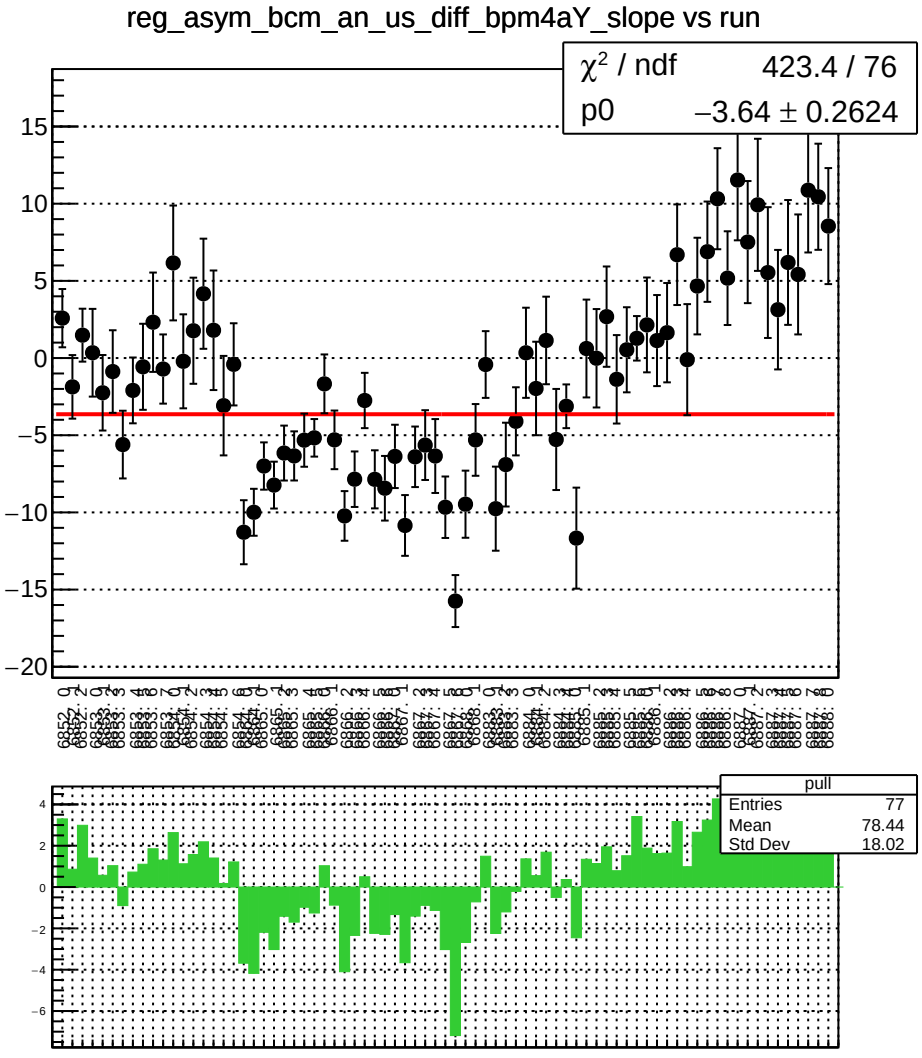

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1.139e+04 / 76
p0 101.3 ± 0.4486
pull
Entries 77
Mean 165.4
Std Dev 125.1
pull1D
Entries 77
Mean −1.221
Std Dev 4.526

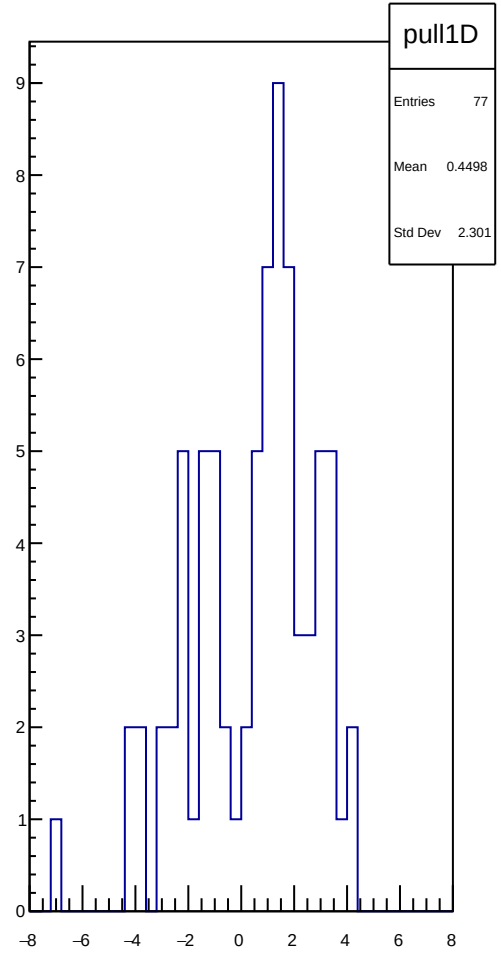

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 600.2 / 76
p0 4.044 ± 0.3385
pull
Entries 77
Mean 93.92
Std Dev 32.84
pull1D
Entries 77
Mean −0.6085
Std Dev 2.581

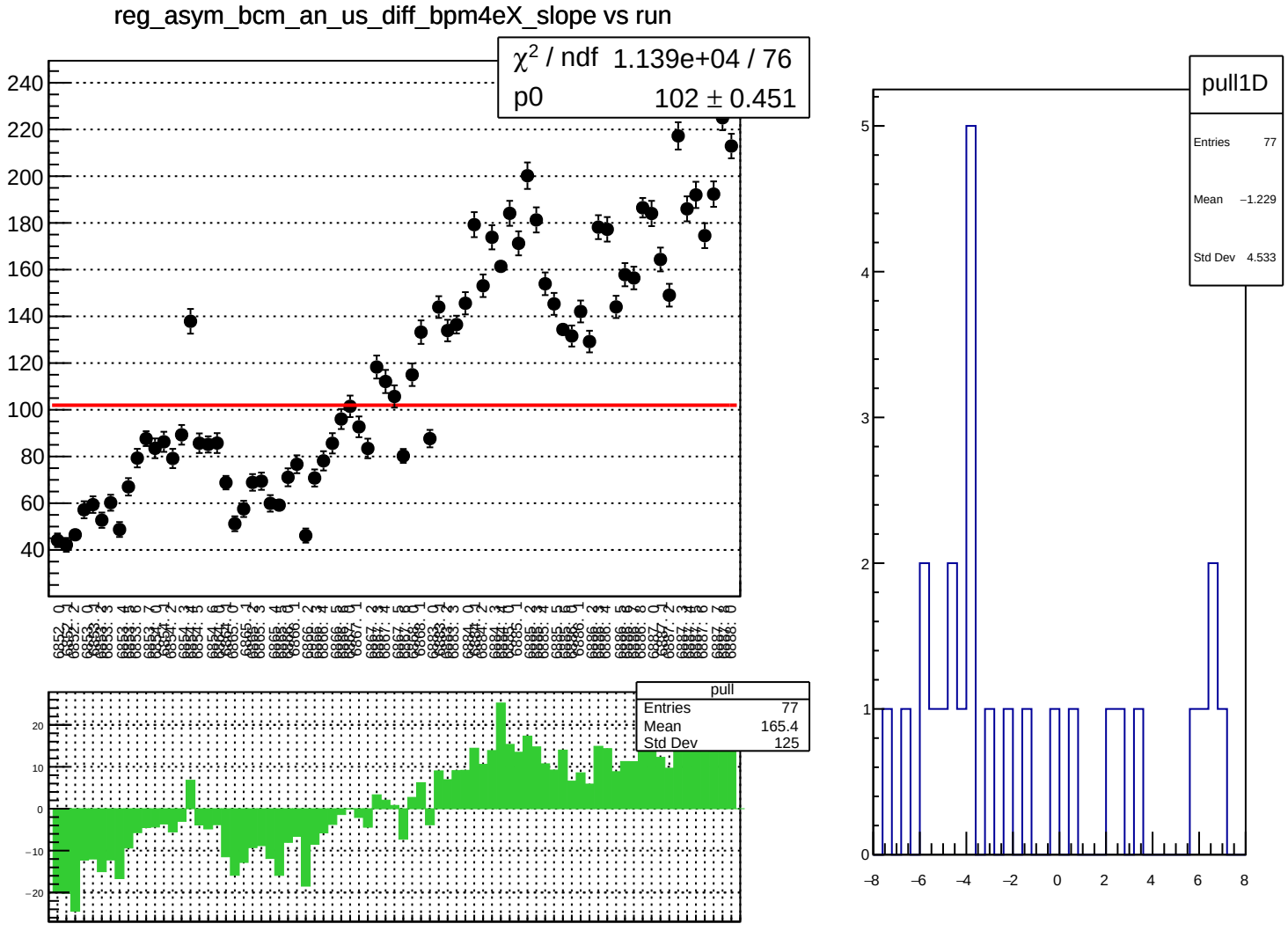

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 476.5 / 76
p0 0.8875 ± 0.01934
pull
Entries 77
Mean 95.7
Std Dev 38.31
pull1D
Entries 77
Mean 0.2014
Std Dev 2.479

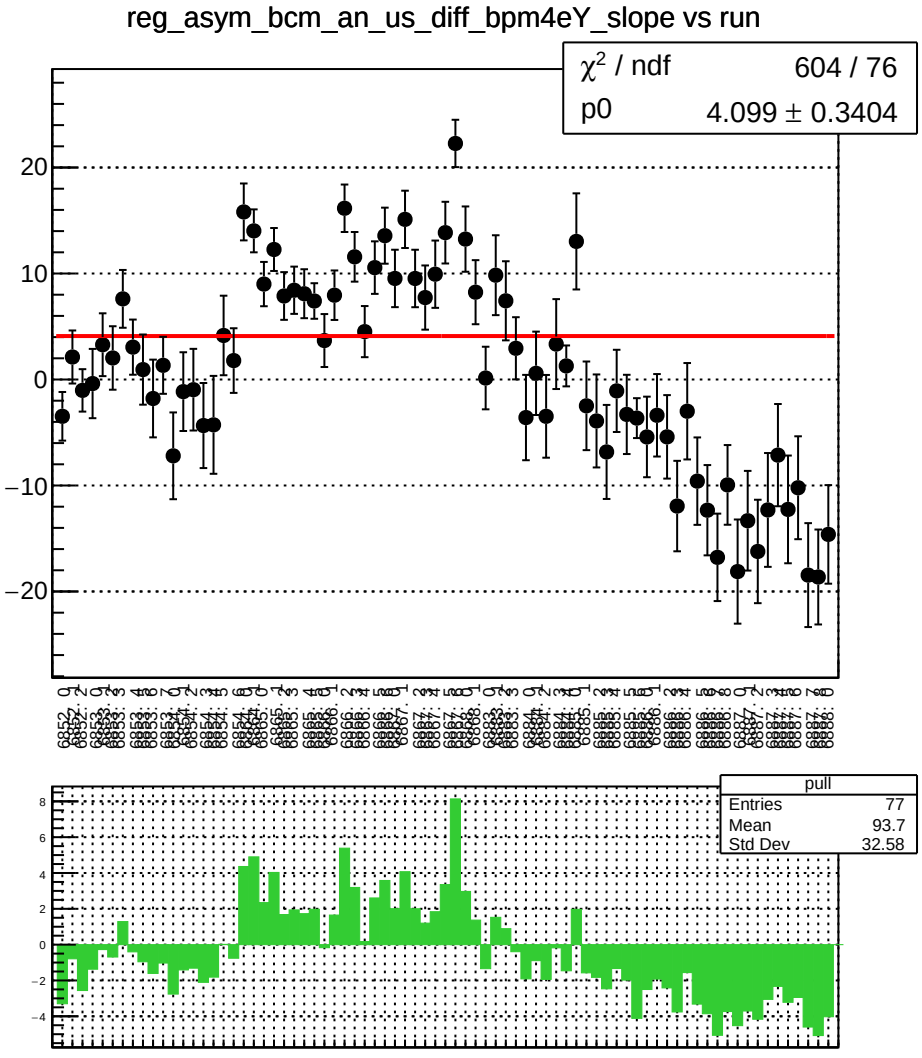

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1.085e+04 / 76
p0 −109.1 ± 0.4736
pull
Entries 77
Mean 175.7
Std Dev 135.5

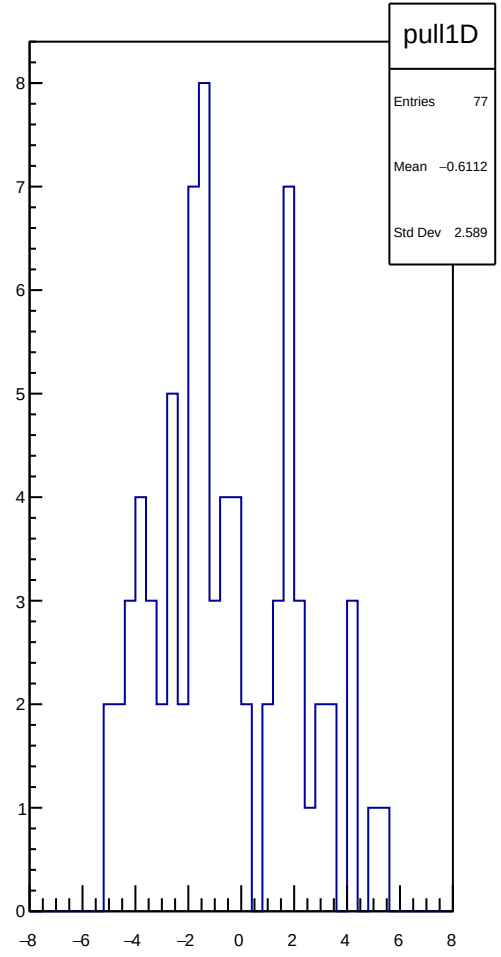

pull1D
Entries 77
Mean 1.119
Std Dev 4.727

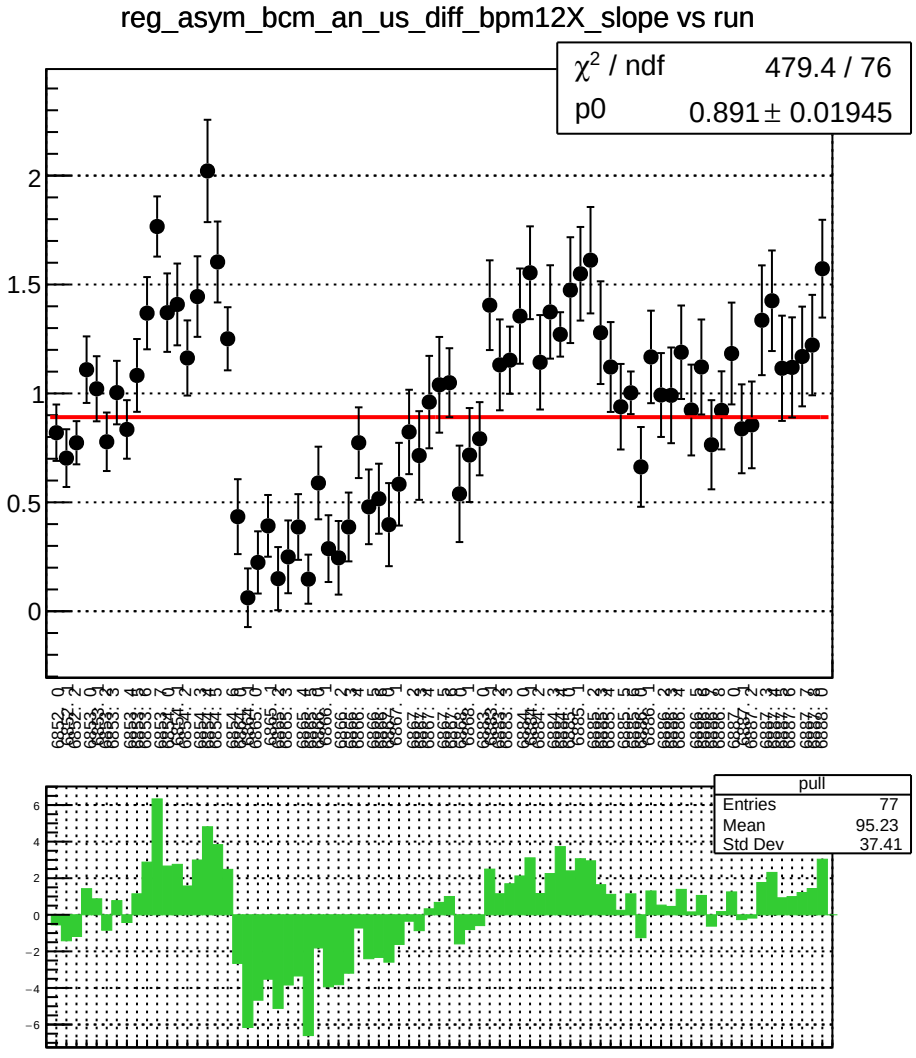

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 423.4 / 76
p0 −3.64 ± 0.2624
pull
Entries 77
Mean 78.44
Std Dev 18.02

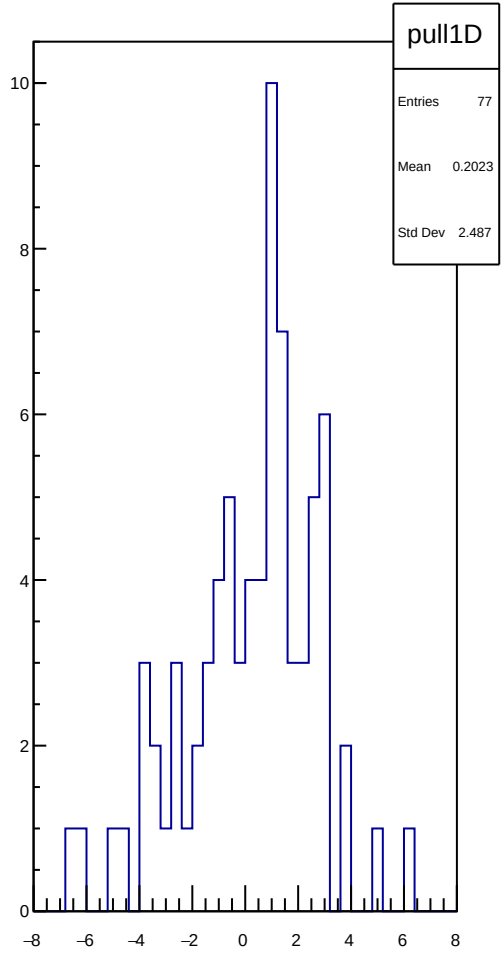

pull1D
Entries 77
Mean 0.4498
Std Dev 2.301

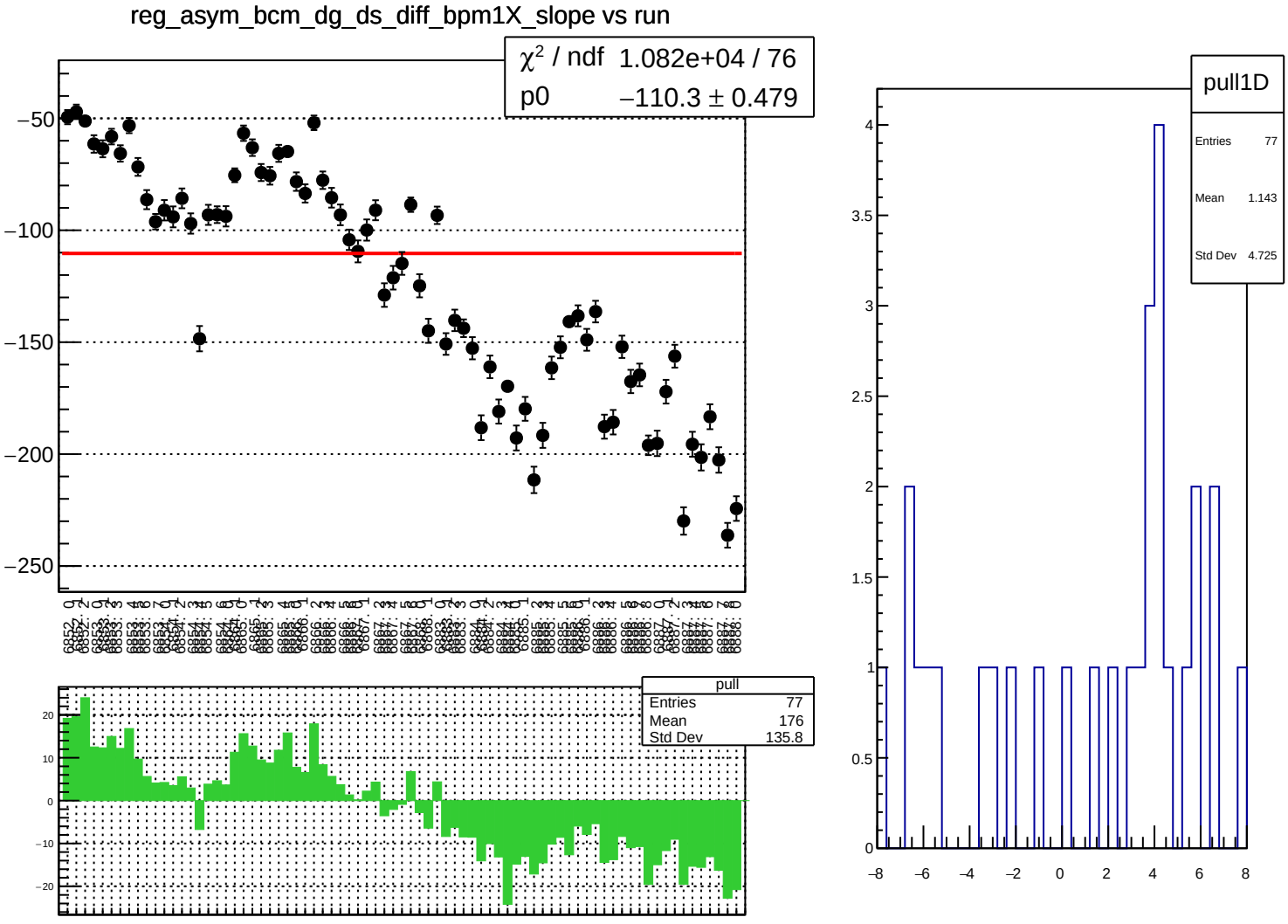

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1.139e+04 / 76
p0 102 ± 0.451
pull
Entries 77
Mean 165.4
Std Dev 125
pull1D
Entries 77
Mean −1.229
Std Dev 4.533

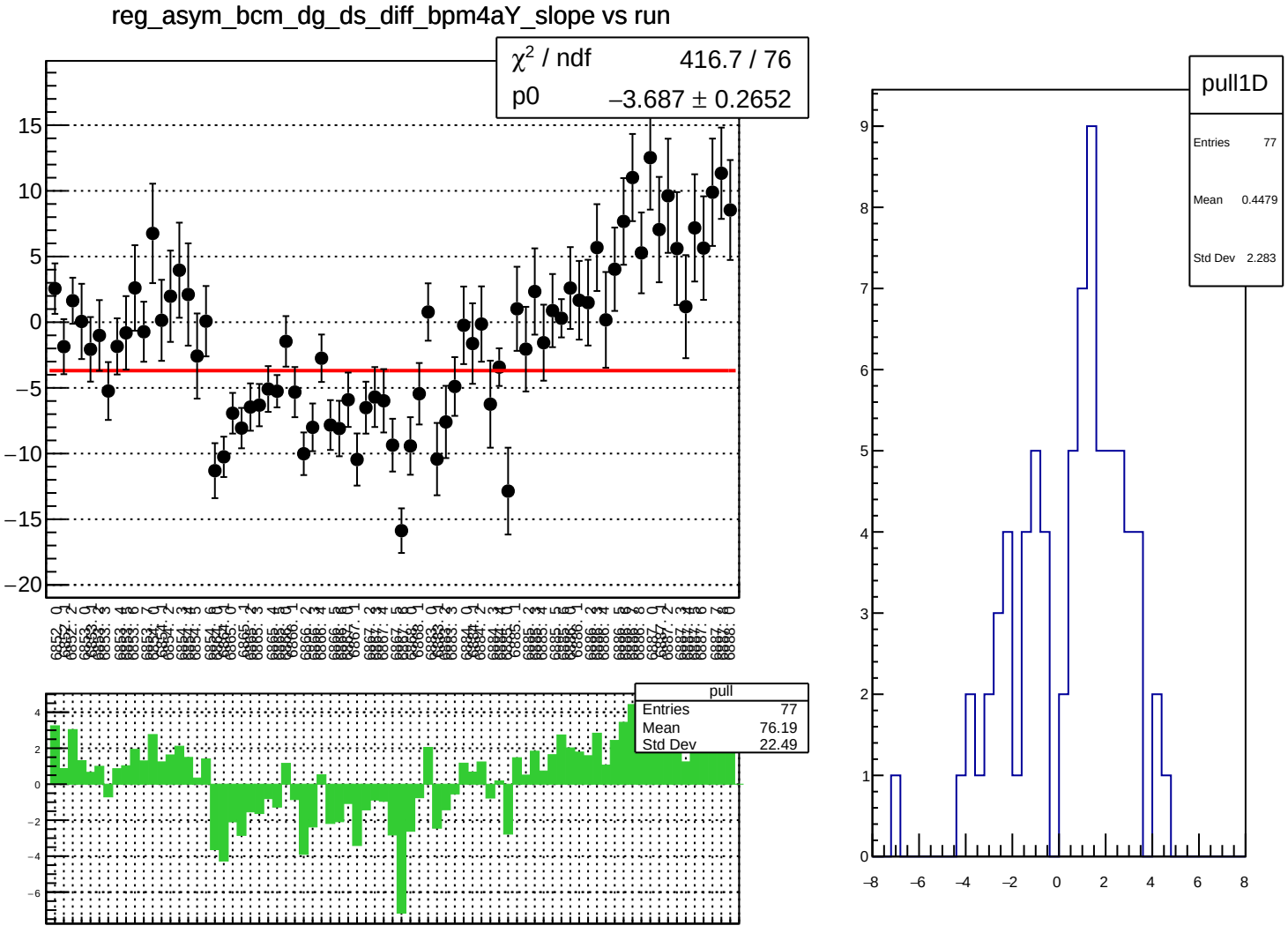

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 604 / 76
p0 4.099 ± 0.3404
pull
Entries 77
Mean 93.7
Std Dev 32.58

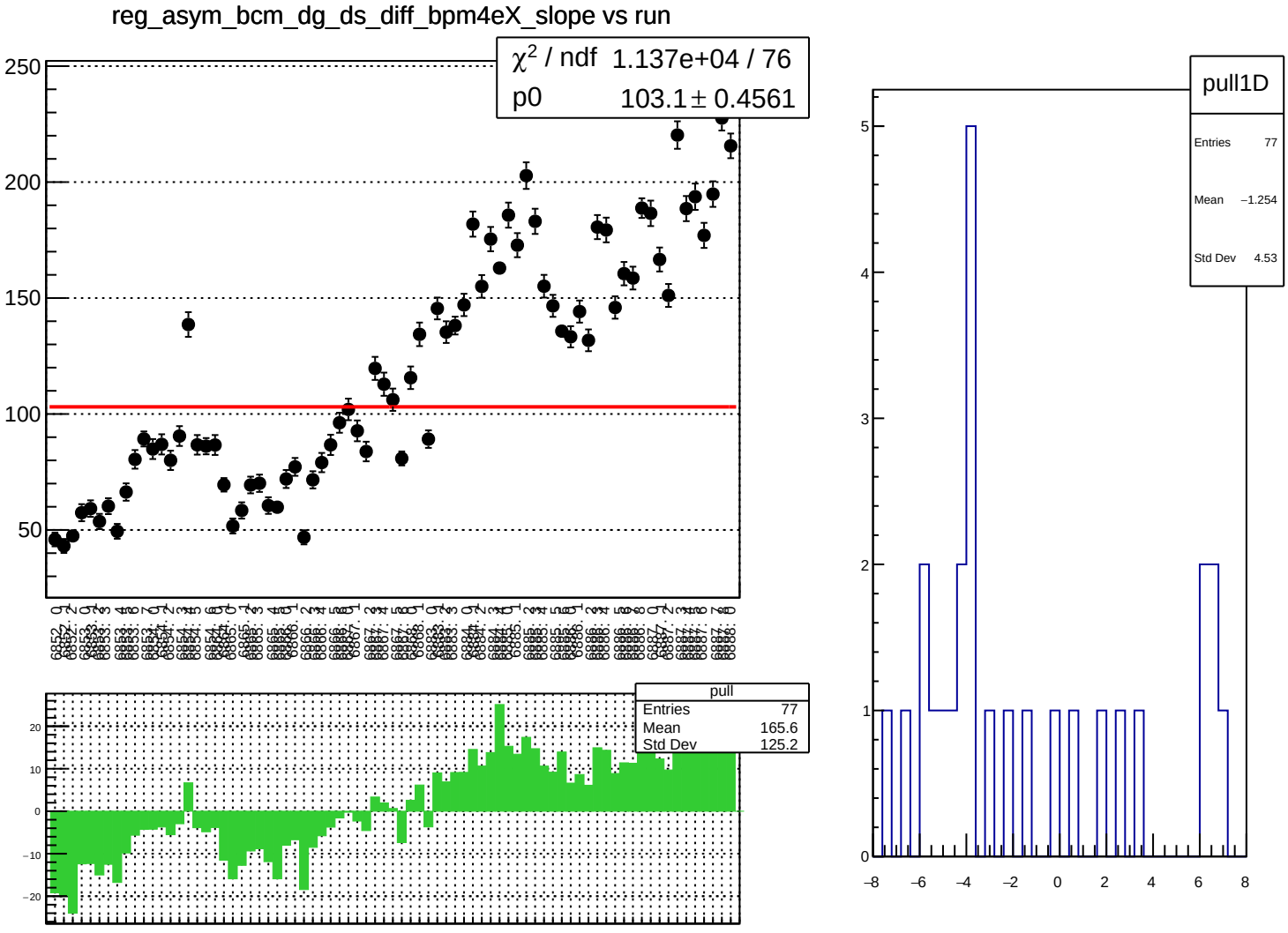

pull1D
Entries 77
Mean −0.6112
Std Dev 2.589

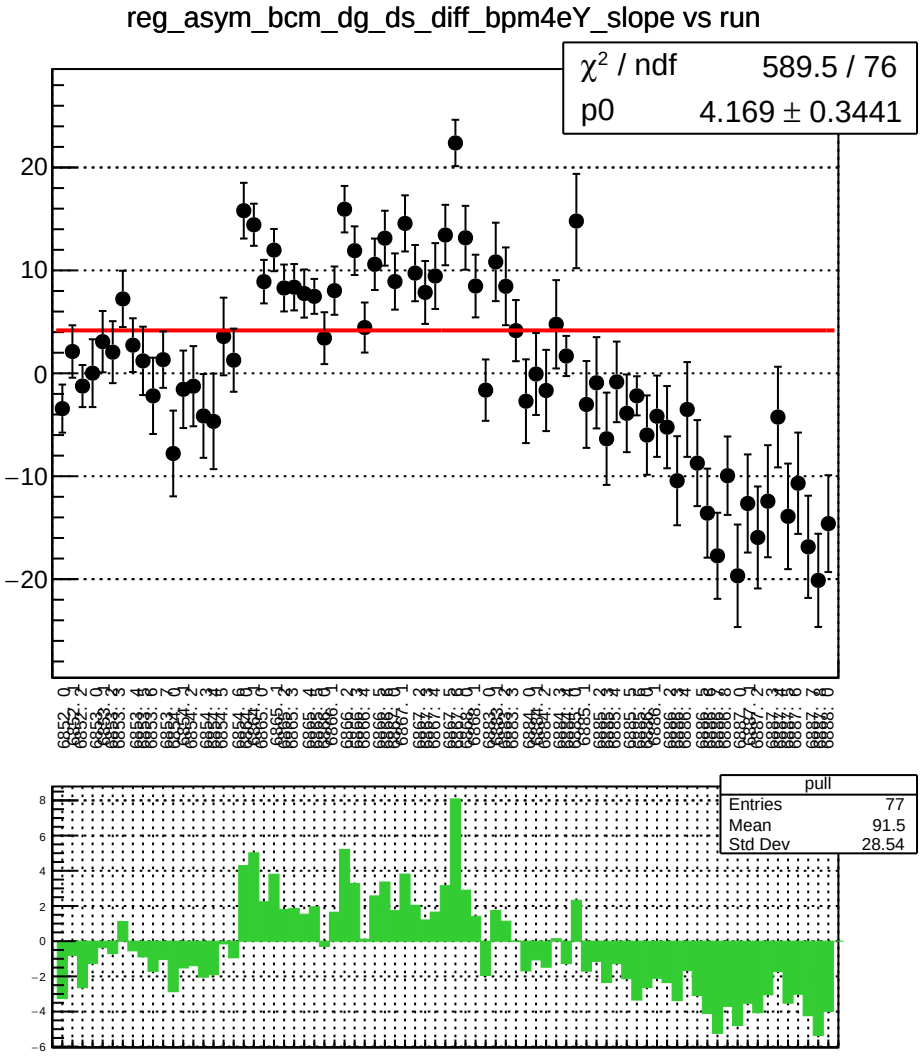

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 479.4 / 76
p0 0.891 ± 0.01945
pull
Entries 77
Mean 95.23
Std Dev 37.41

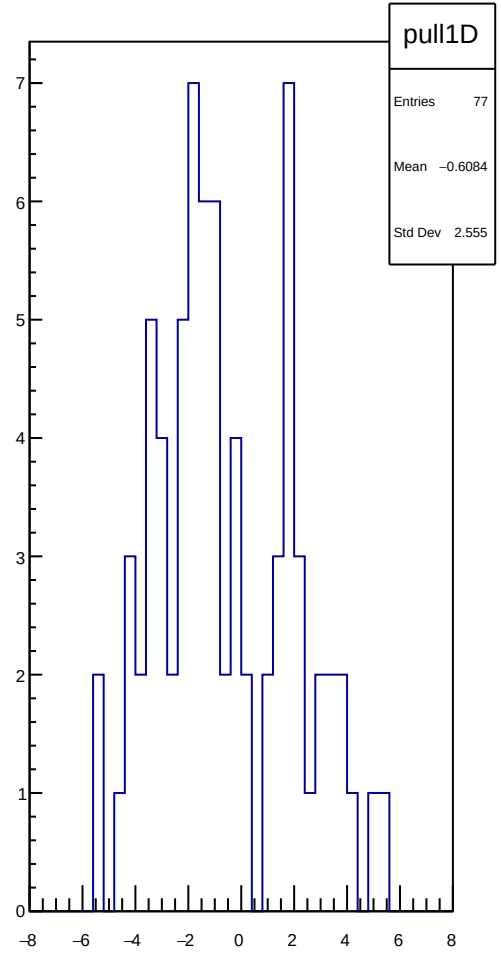

pull1D
Entries 77
Mean 0.2023
Std Dev 2.487

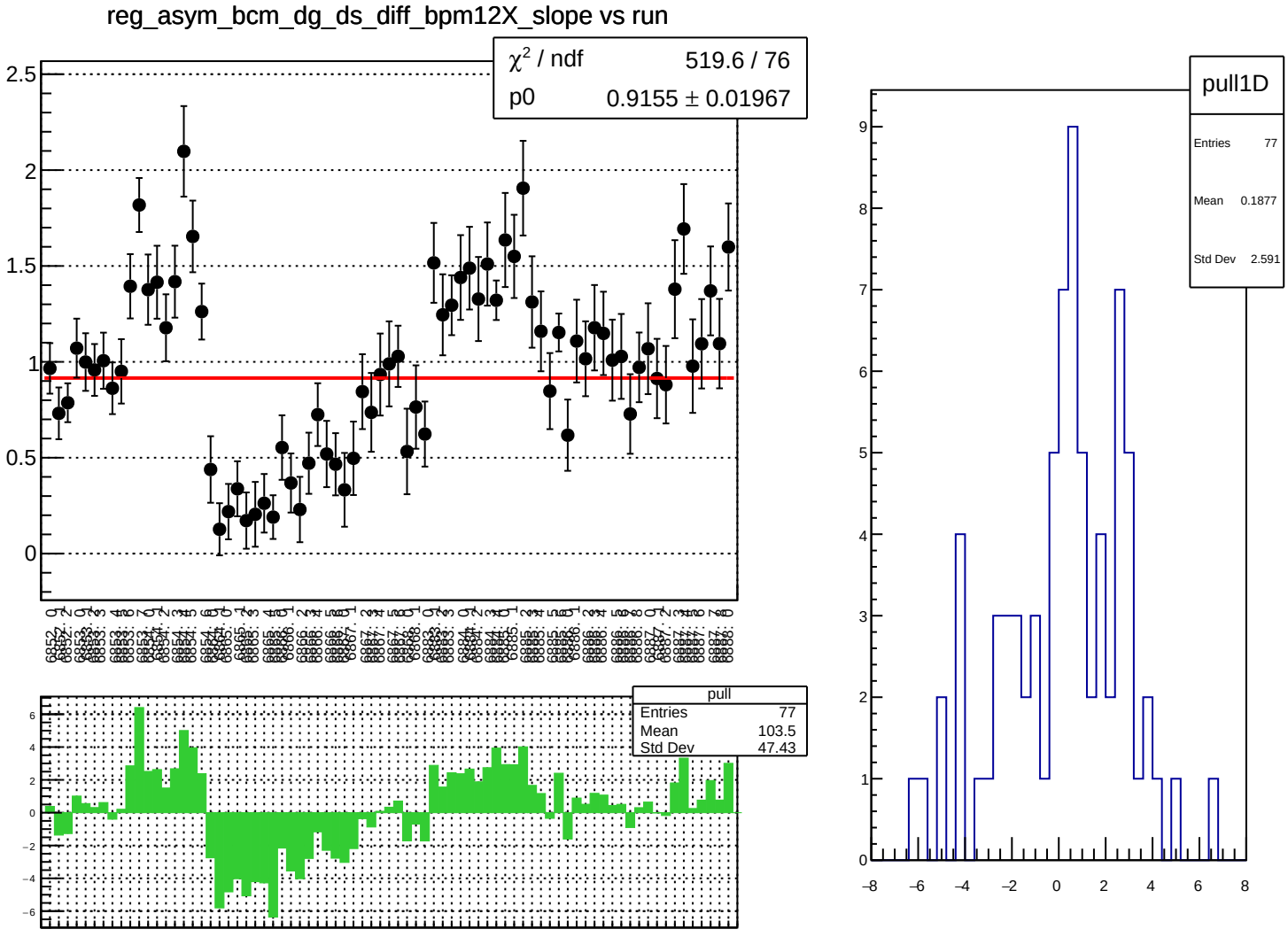

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1.082e+04 / 76
p0 −110.3 ± 0.479
pull
Entries 77
Mean 176
Std Dev 135.8
pull1D
Entries 77
Mean 1.143
Std Dev 4.725

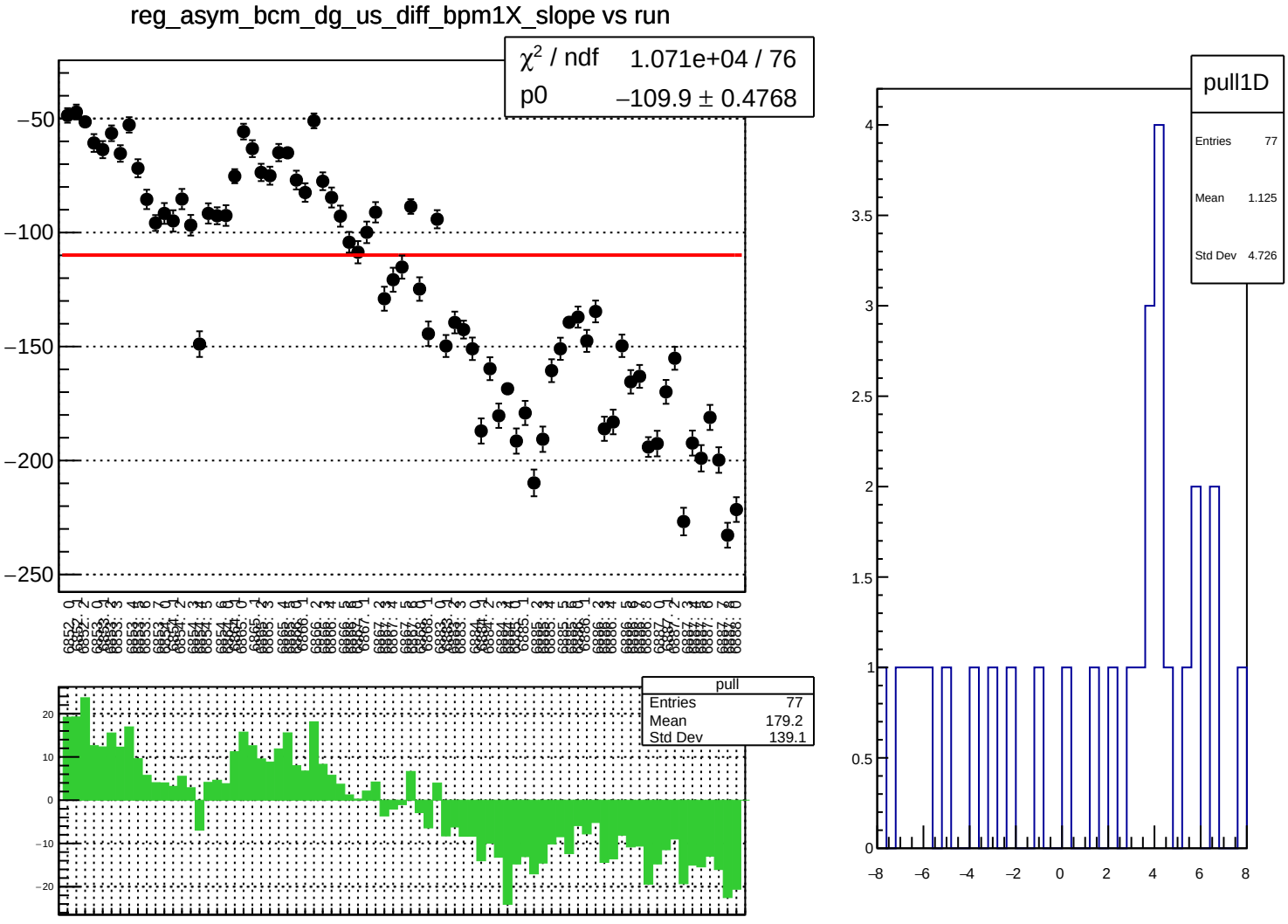

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 416.7 / 76
p0 −3.687 ± 0.2652
pull
Entries 77
Mean 76.19
Std Dev 22.49
pull1D
Entries 77
Mean 0.4479
Std Dev 2.283

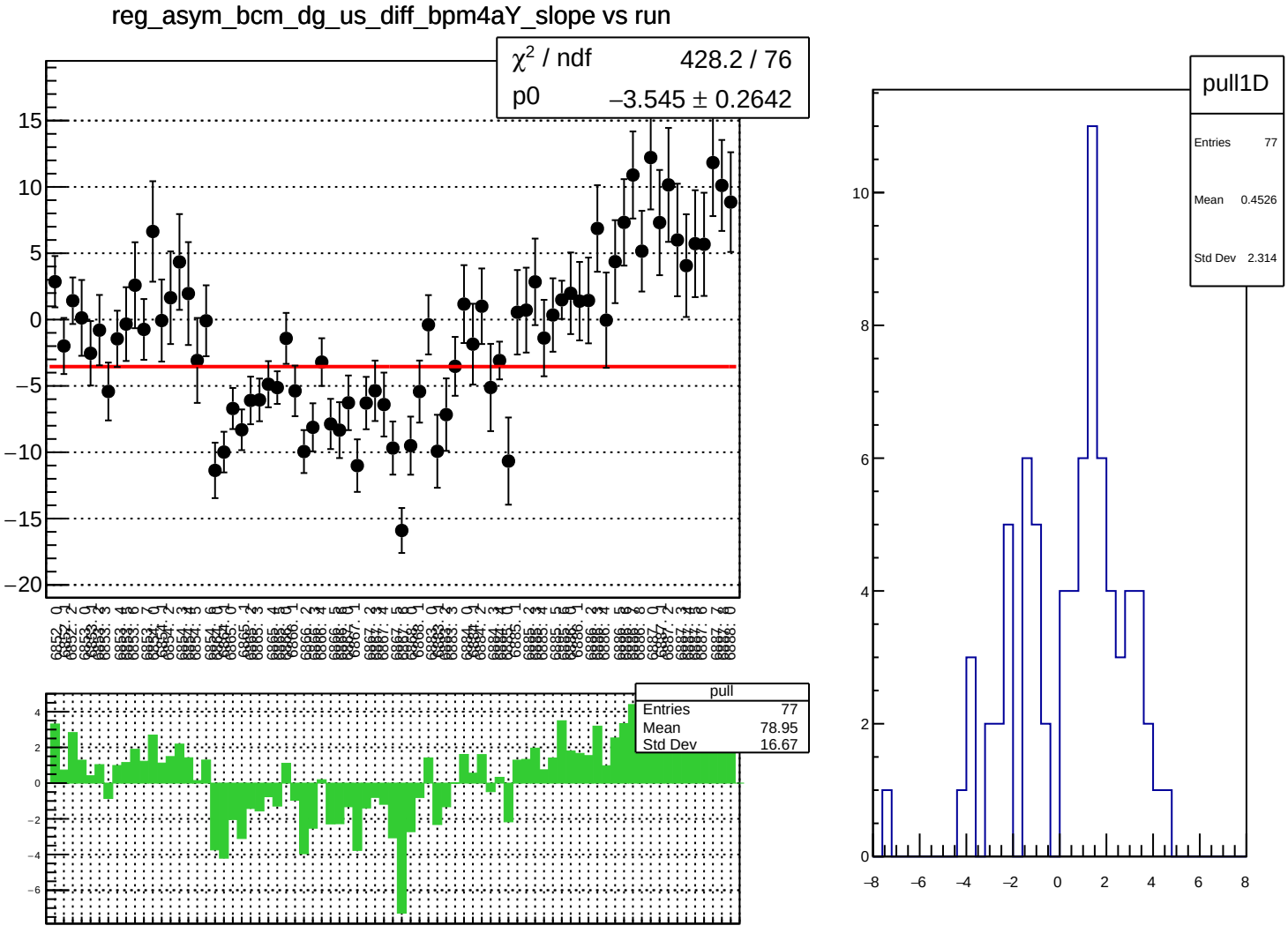

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1.137e+04 / 76
p0 103.1 ± 0.4561
pull
Entries 77
Mean 165.6
Std Dev 125.2
pull1D
Entries 77
Mean −1.254
Std Dev 4.53

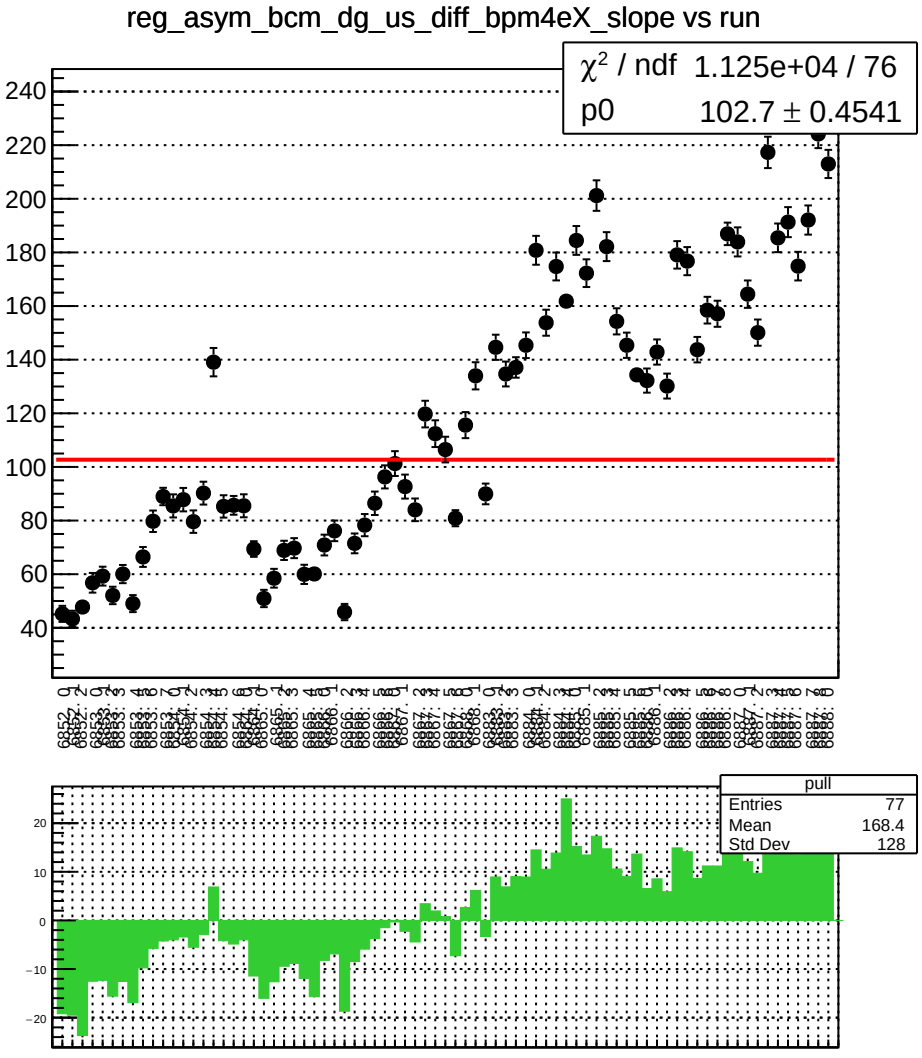

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 589.5 / 76
p0 4.169 ± 0.3441
pull
Entries 77
Mean 91.5
Std Dev 28.54

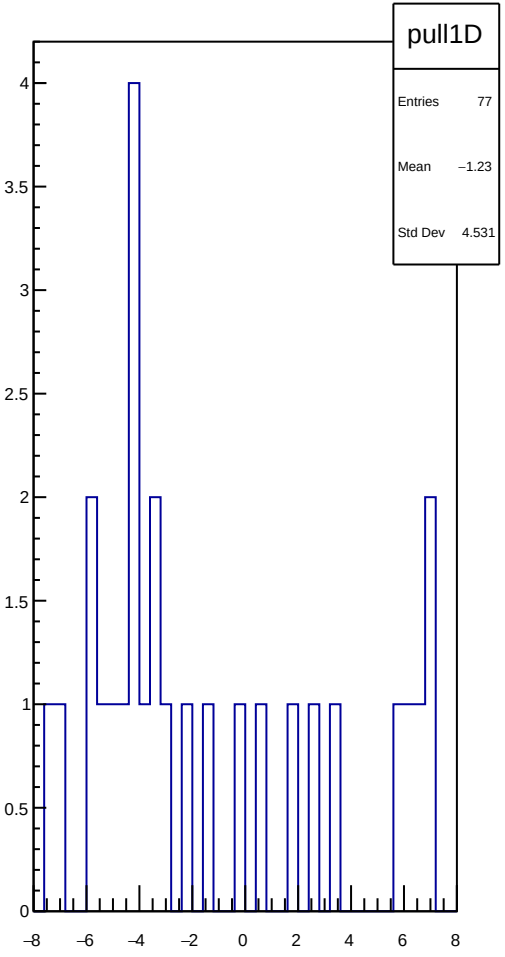

pull1D
Entries 77
Mean −0.6084
Std Dev 2.555

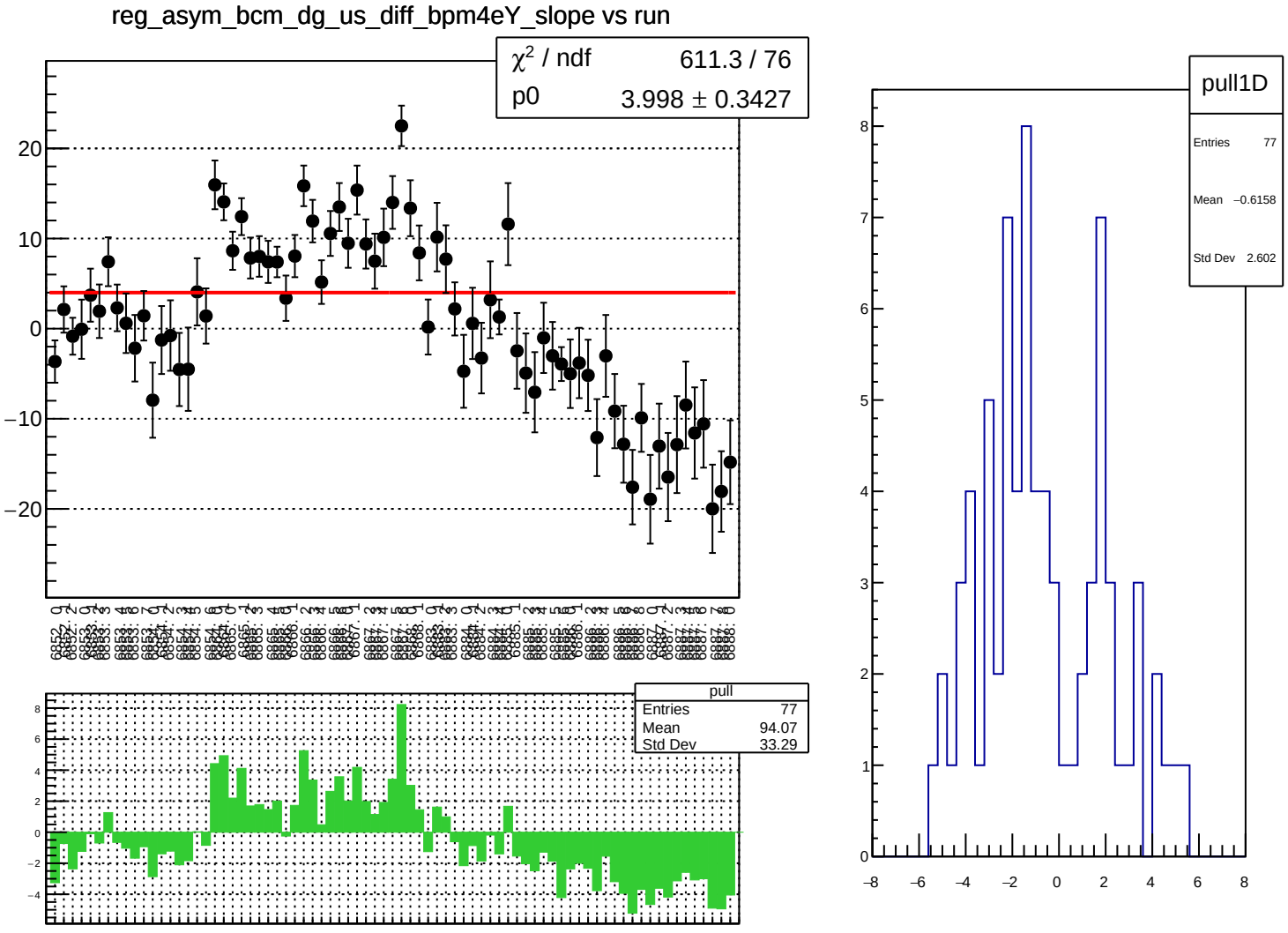

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 519.6 / 76
p0 0.9155 ± 0.01967
pull
Entries 77
Mean 103.5
Std Dev 47.43
pull1D
Entries 77
Mean 0.1877
Std Dev 2.591

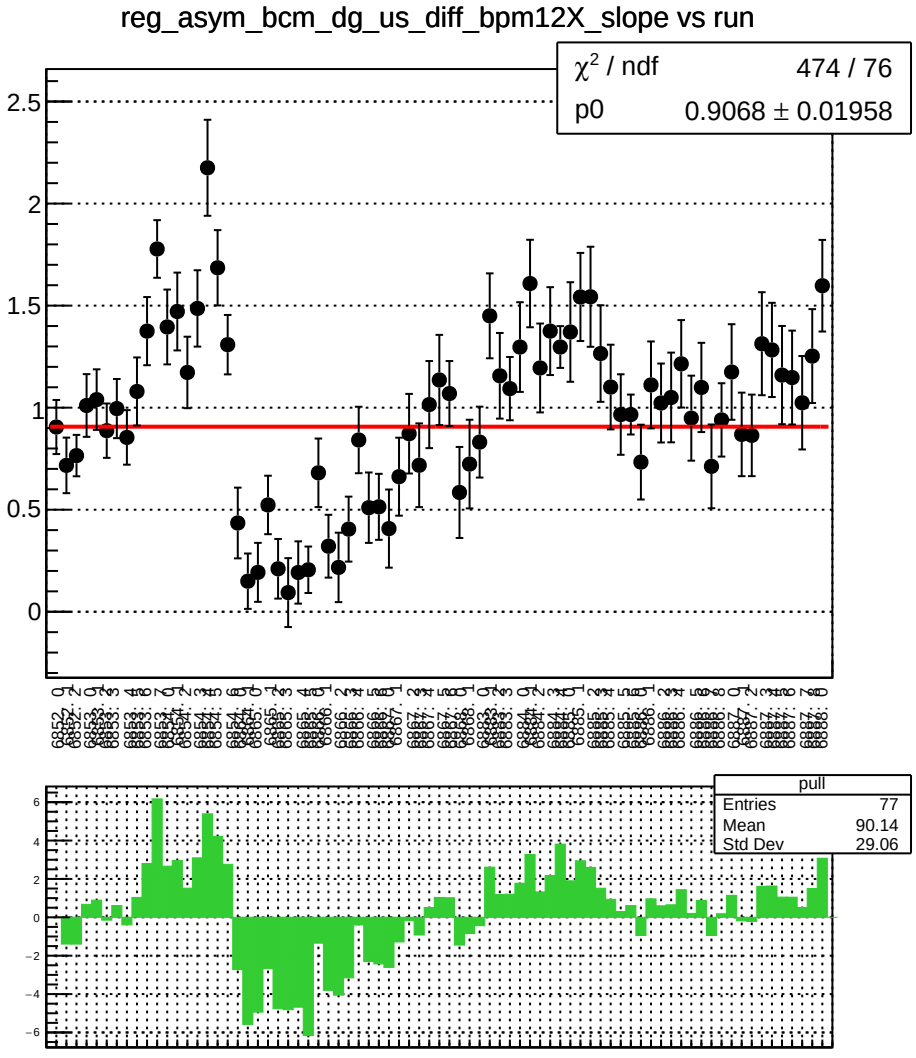

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1.071e+04 / 76
p0 −109.9 ± 0.4768
pull
Entries 77
Mean 179.2
Std Dev 139.1
pull1D
Entries 77
Mean 1.125
Std Dev 4.726

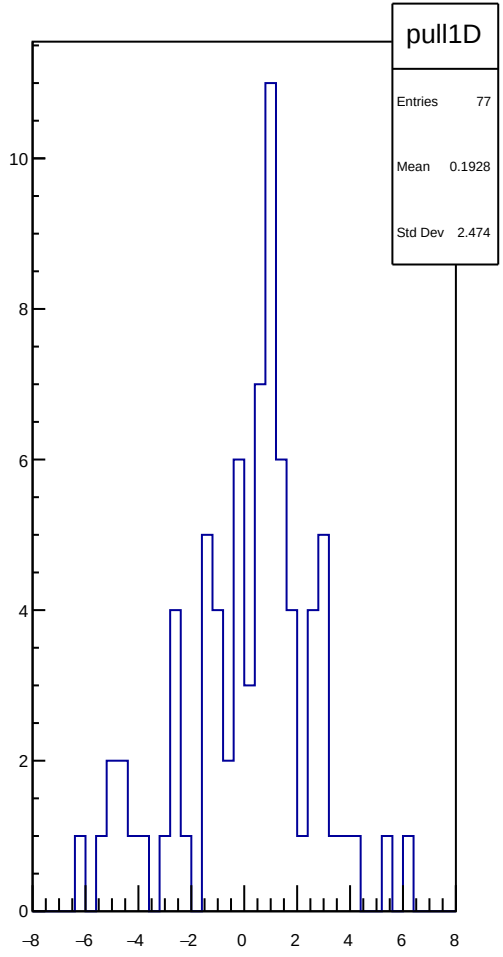

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 428.2 / 76
p0 −3.545 ± 0.2642
pull
Entries 77
Mean 78.95
Std Dev 16.67
pull1D
Entries 77
Mean 0.4526
Std Dev 2.314


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1.125e+04 / 76
p0 102.7 ± 0.4541
pull
Entries 77
Mean 168.4
Std Dev 128


pull1D
Entries 77
Mean −1.23
Std Dev 4.531


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 611.3 / 76
p0 3.998 ± 0.3427
pull
Entries 77
Mean 94.07
Std Dev 33.29
pull1D
Entries 77
Mean −0.6158
Std Dev 2.602


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 474 / 76
p0 0.9068 ± 0.01958
pull
Entries 77
Mean 90.14
Std Dev 29.06


pull1D
Entries 77
Mean 0.1928
Std Dev 2.474