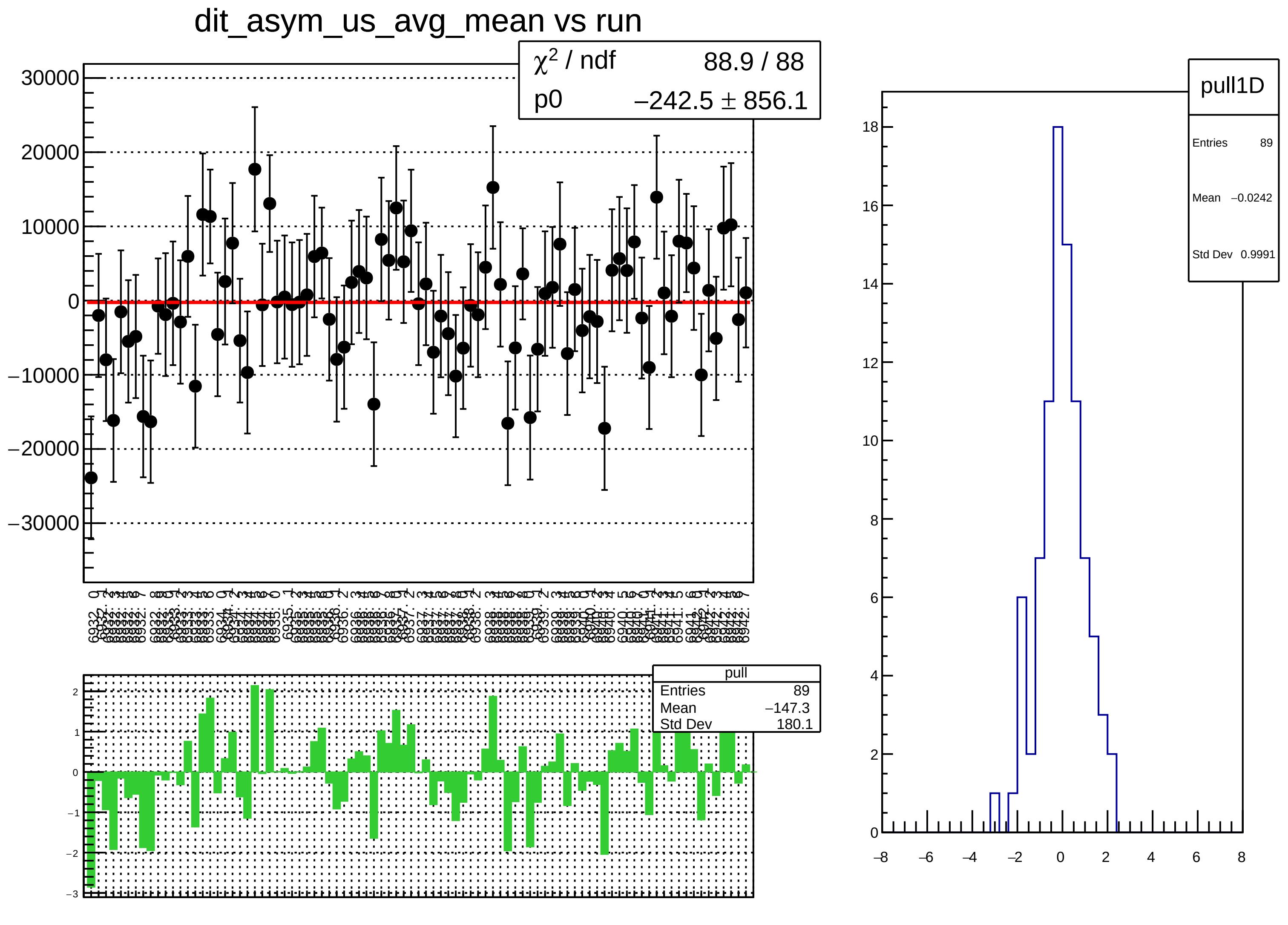
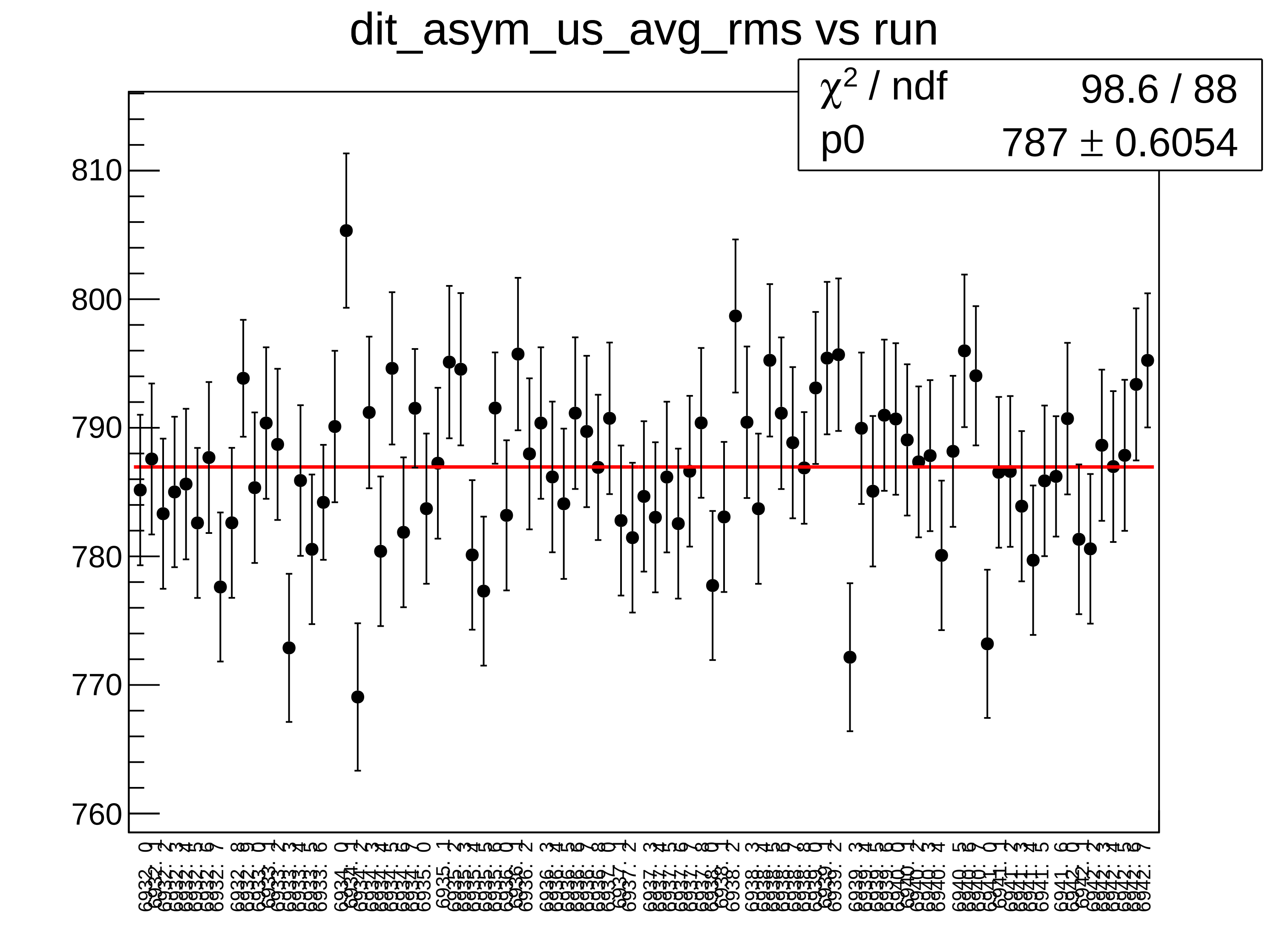
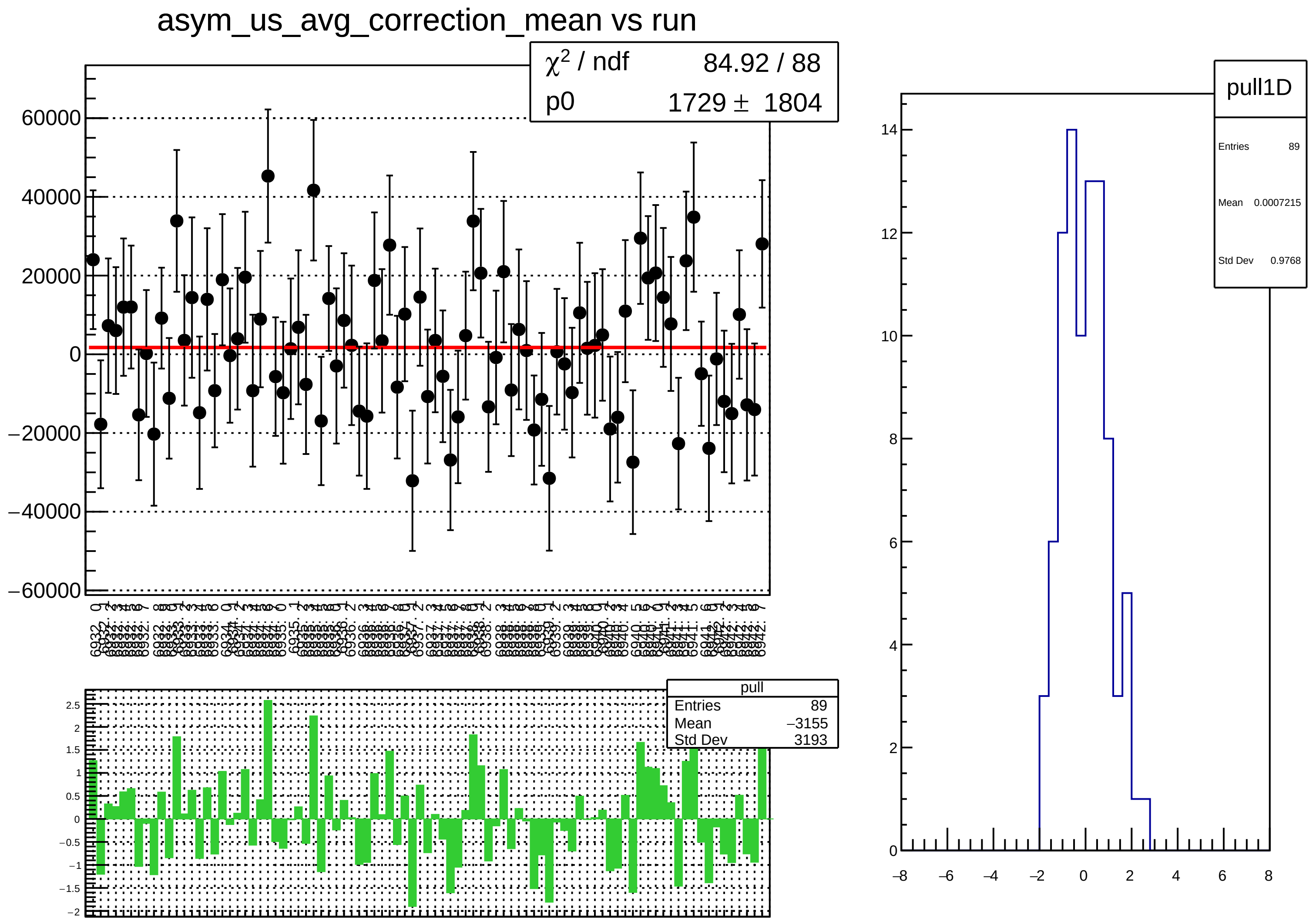


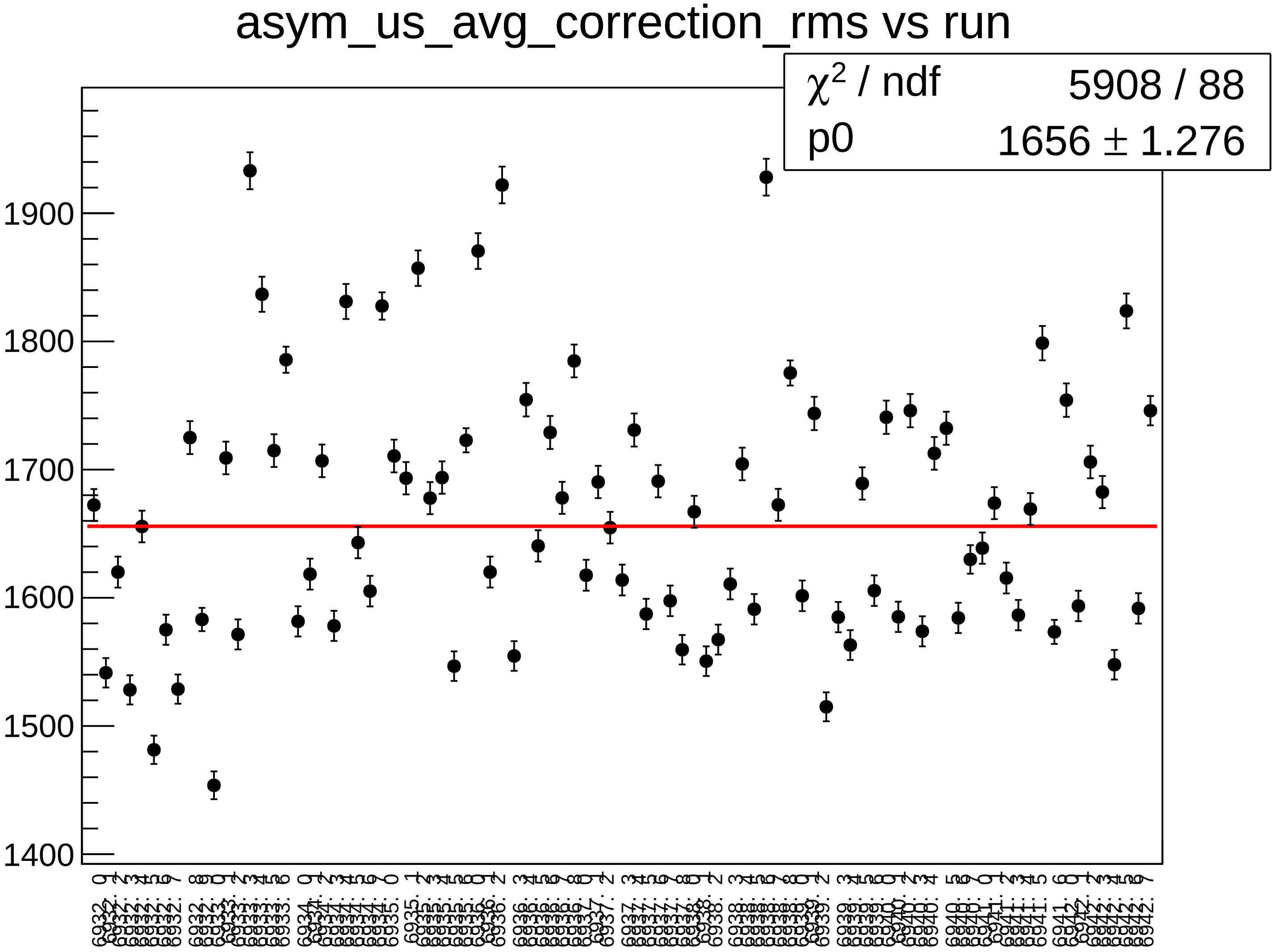
dit_asym_us_avg_mean vs run
χ^2 / ndf 88.9 / 88
p0 −242.5 ± 856.1
pull
Entries 89
Mean −147.3
Std Dev 180.1
pull1D
Entries 89
Mean −0.0242
Std Dev 0.9991

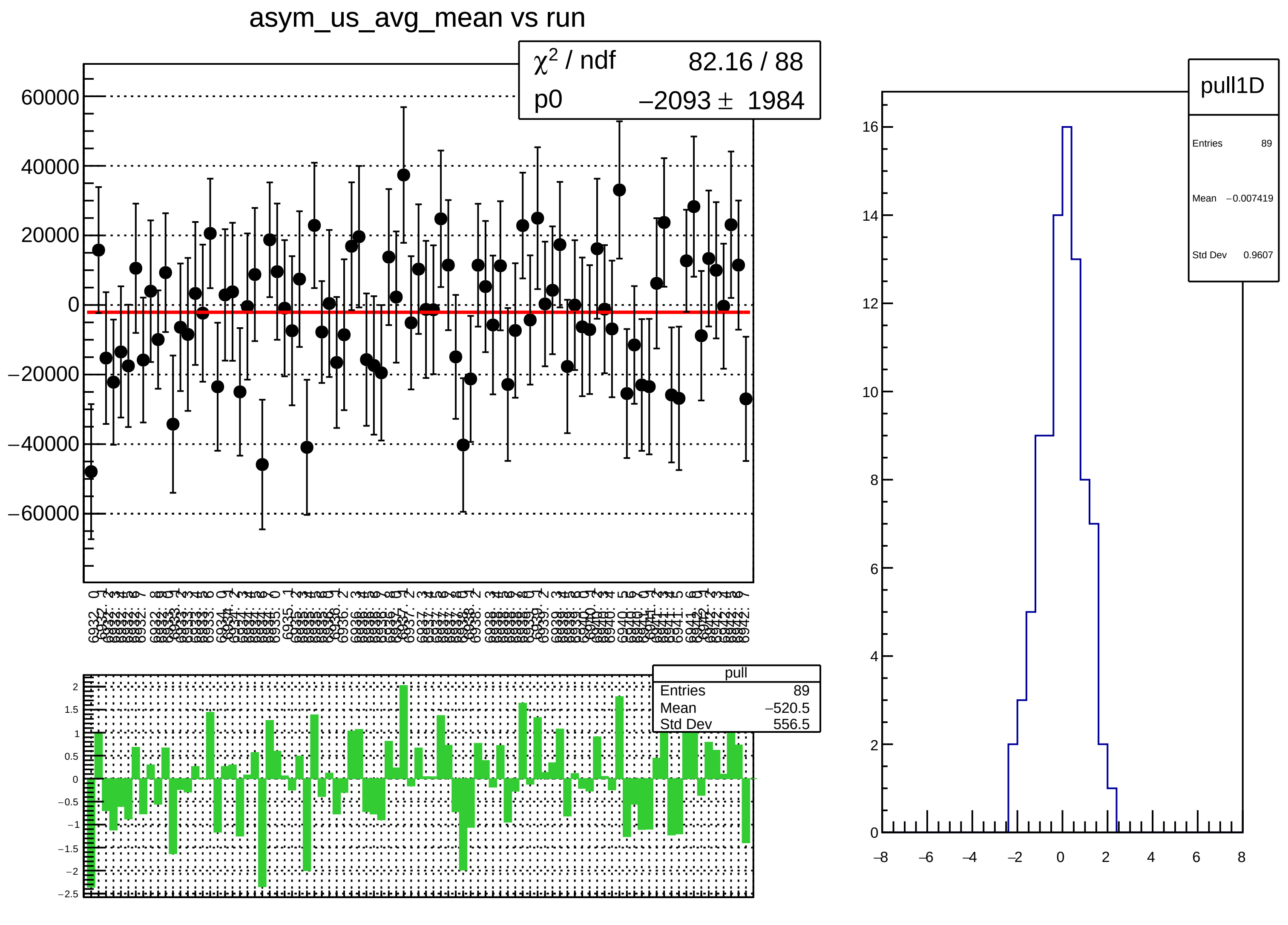


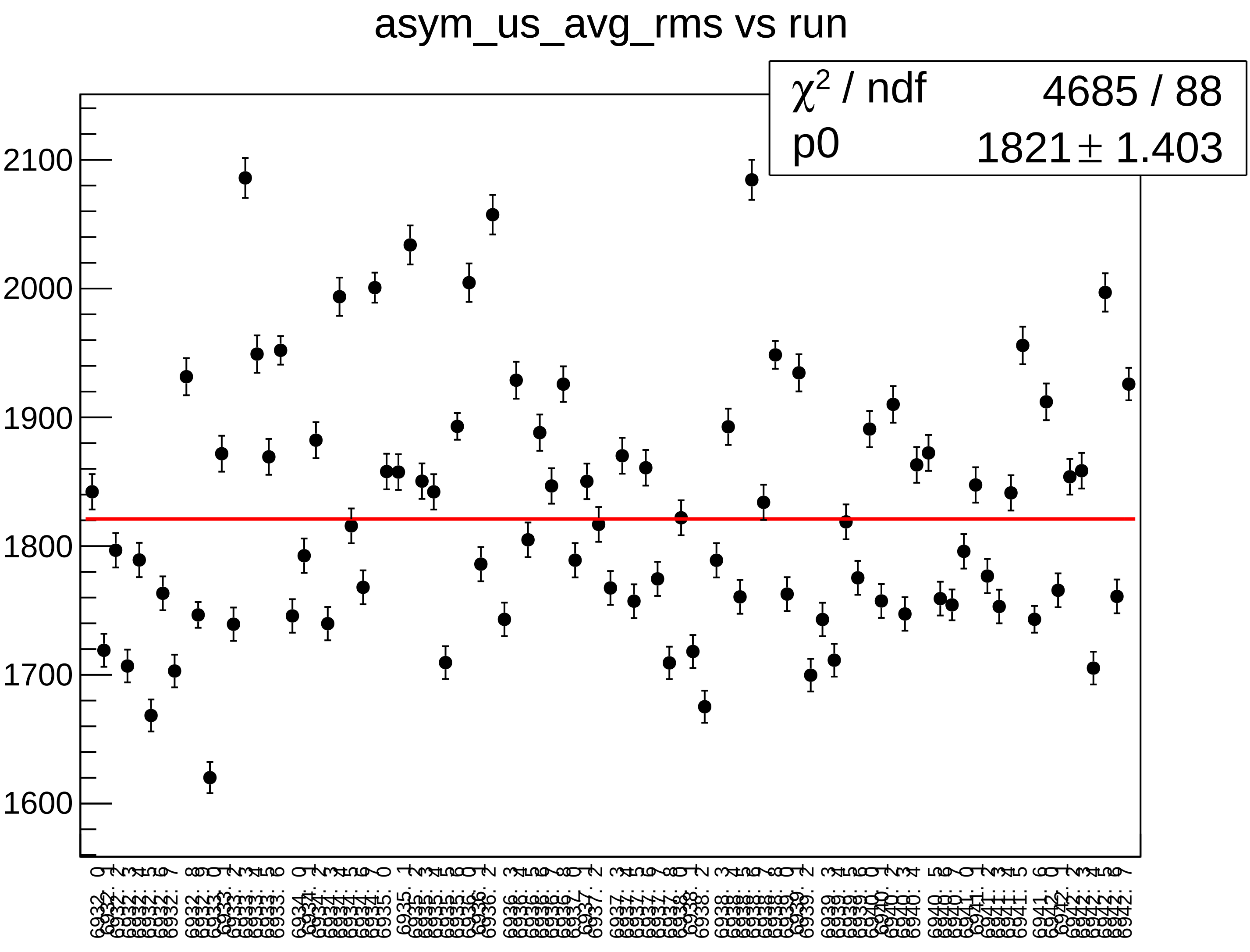
dit_asym_us_avg_rms vs run
χ^2 / ndf 98.6 / 88
p0 787 ± 0.6054
810
800
790
780
770
760



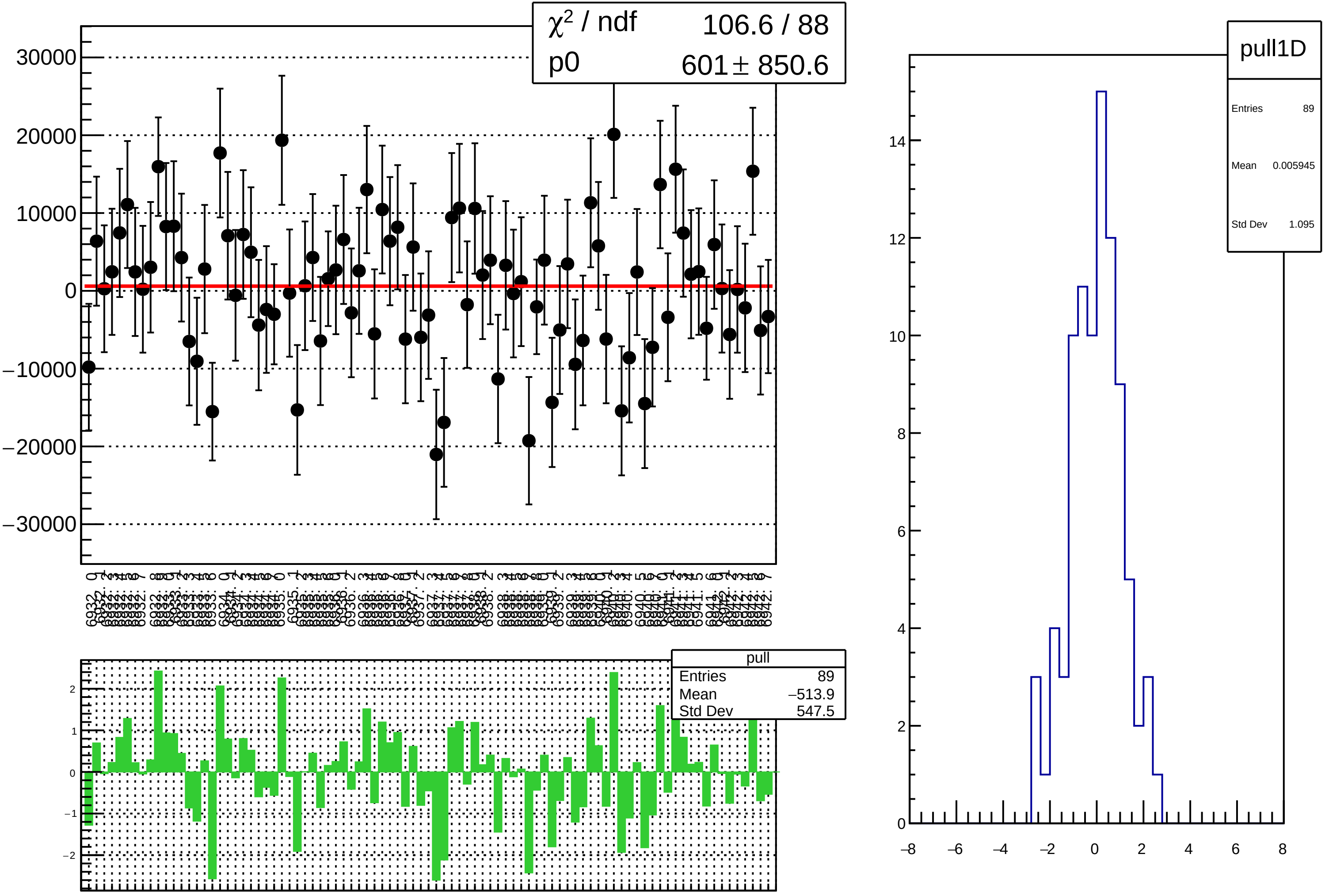
asym_us_avg_correction_mean vs run
χ2 / ndf 84.92 / 88
p0 1729 ± 1804
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −3155
Std Dev 3193
pull1D
Entries 89
Mean 0.0007215
Std Dev 0.9768

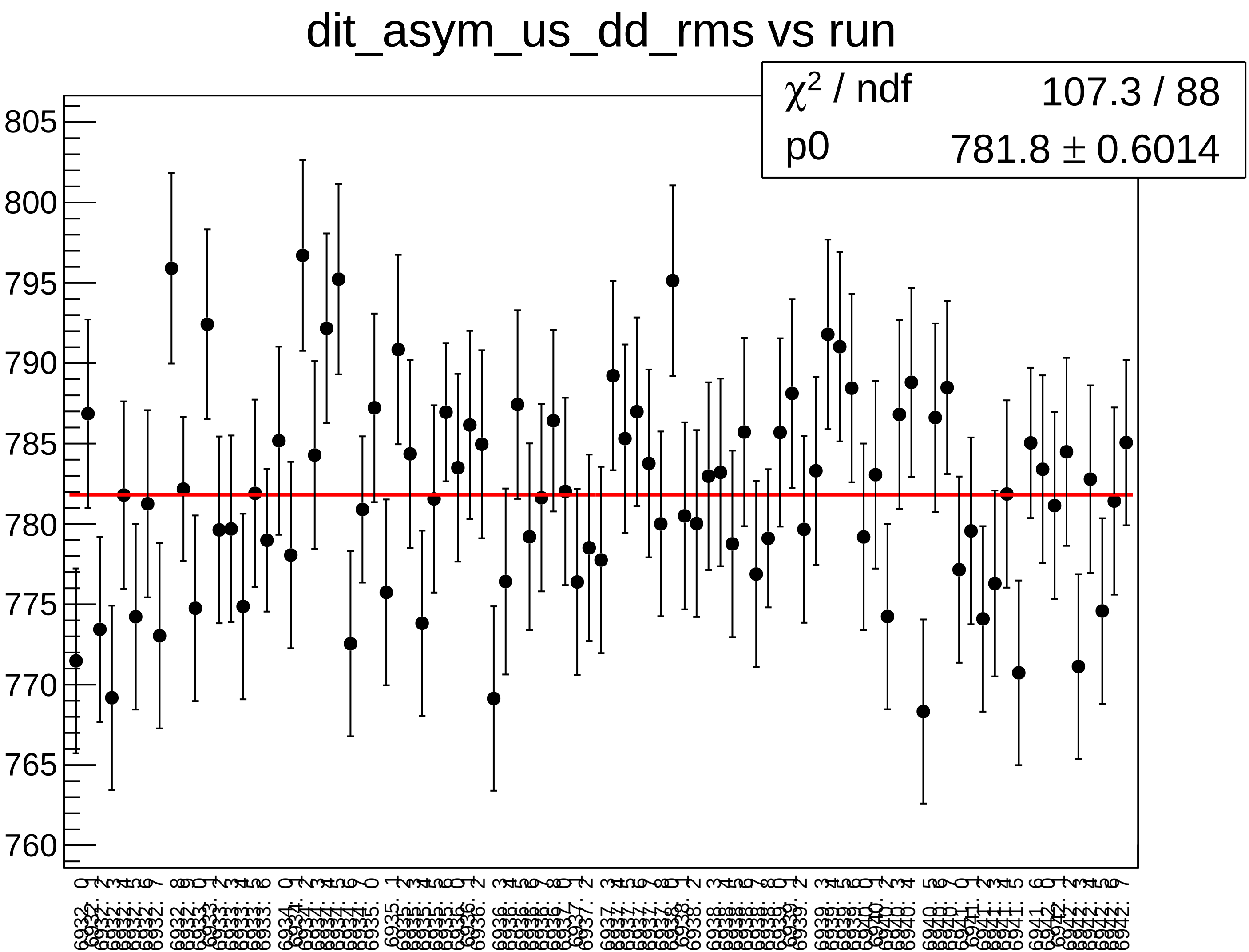

asym_us_avg_correction_rms vs run
χ^2 / ndf 5908 / 88
p0 1656 ± 1.276
1900
1800
1700
1600
1500
1400


asym_us_avg_mean vs run
χ^2 / ndf 82.16 / 88
p0 −2093 ± 1984
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −520.5
Std Dev 556.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 89
Mean −0.007419
Std Dev 0.9607
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

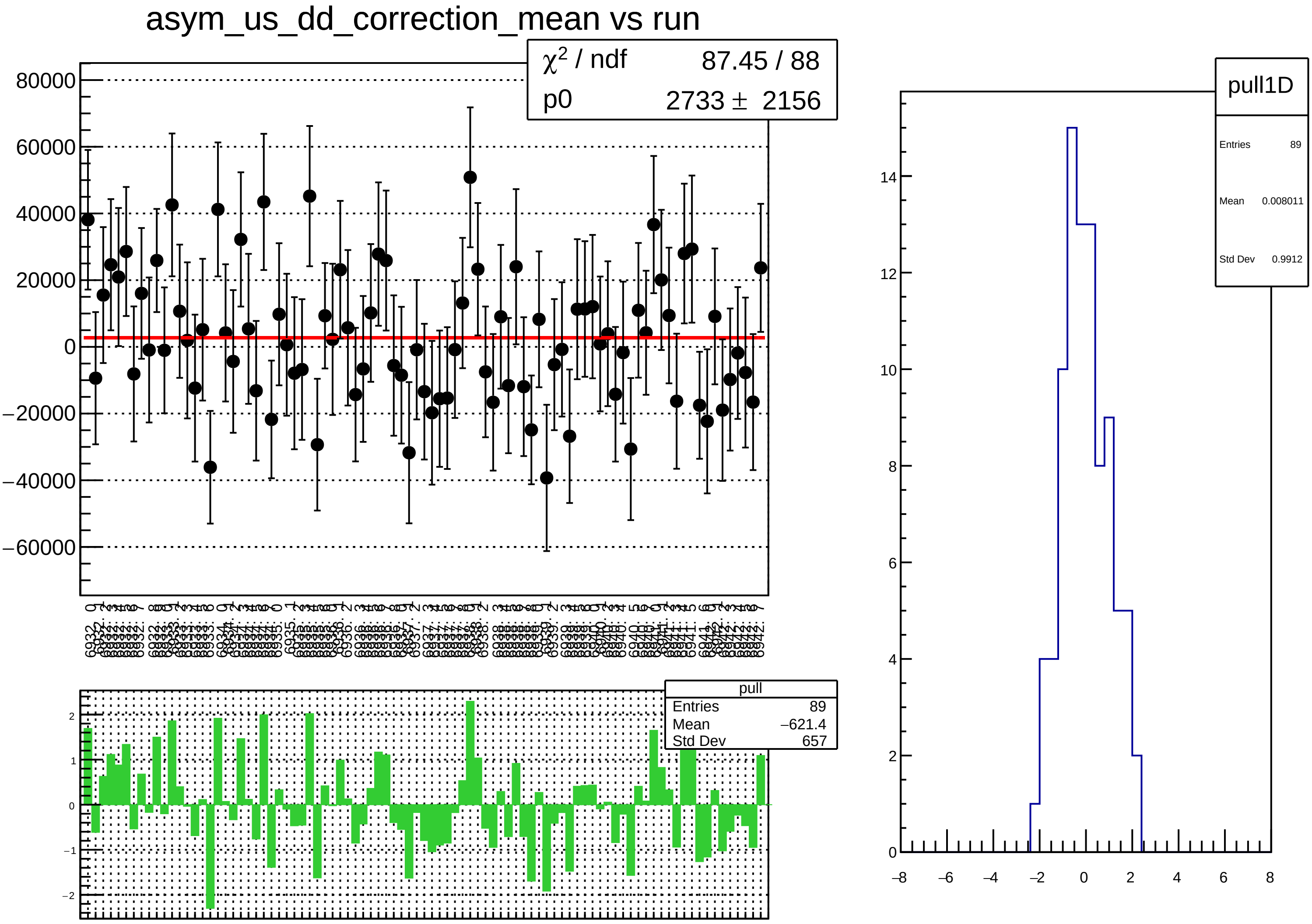

asym_us_avg_rms vs run
χ2 / ndf 4685 / 88
p0 1821 ± 1.403
2100
2000
1900
1800
1700
1600

dit_asym_us_dd_mean vs run

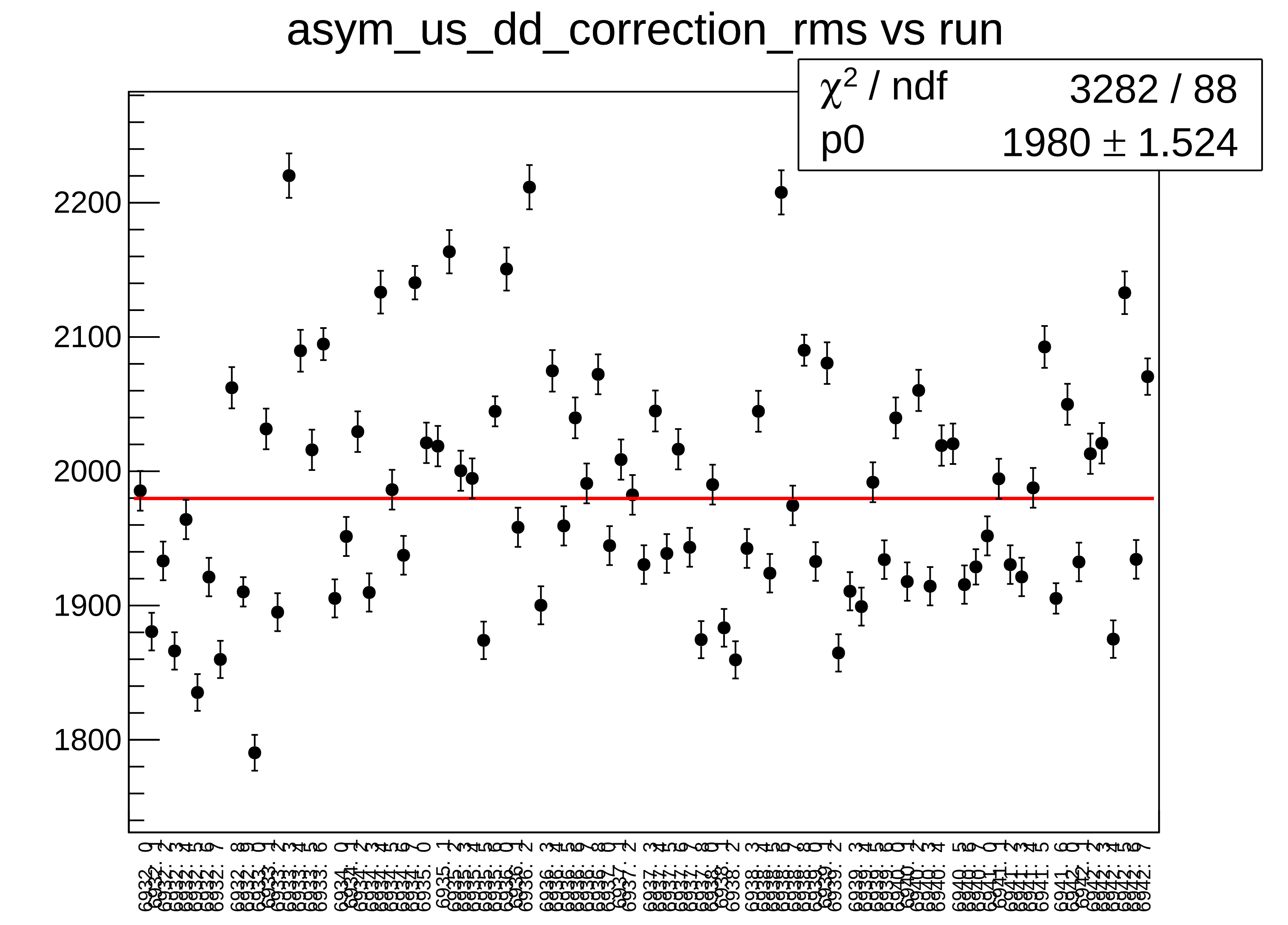


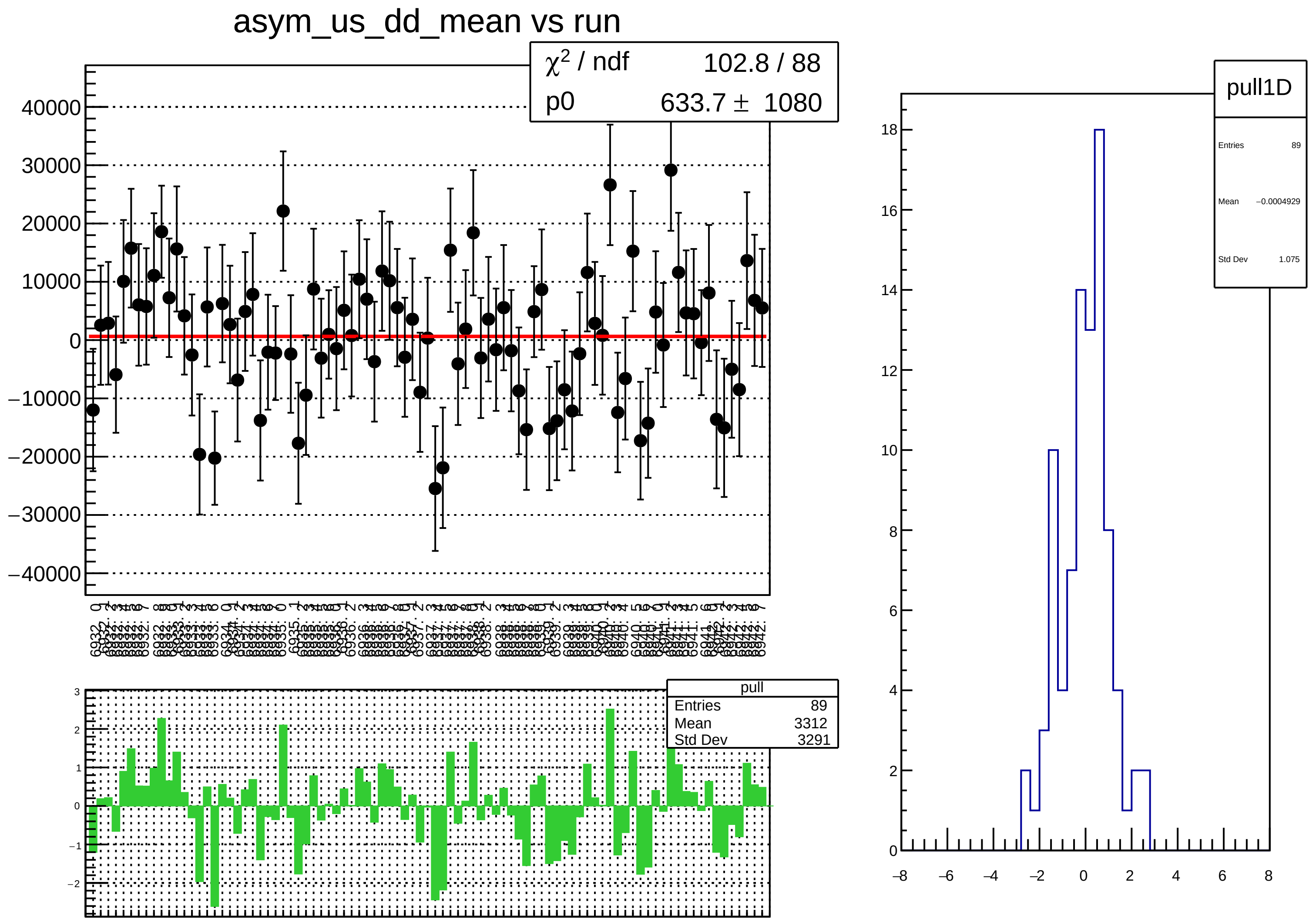


dit_asym_us_dd_rms vs run
χ^2 / ndf 107.3 / 88
p0 781.8 ± 0.6014
805
800
795
790
785
780
775
770
765
760

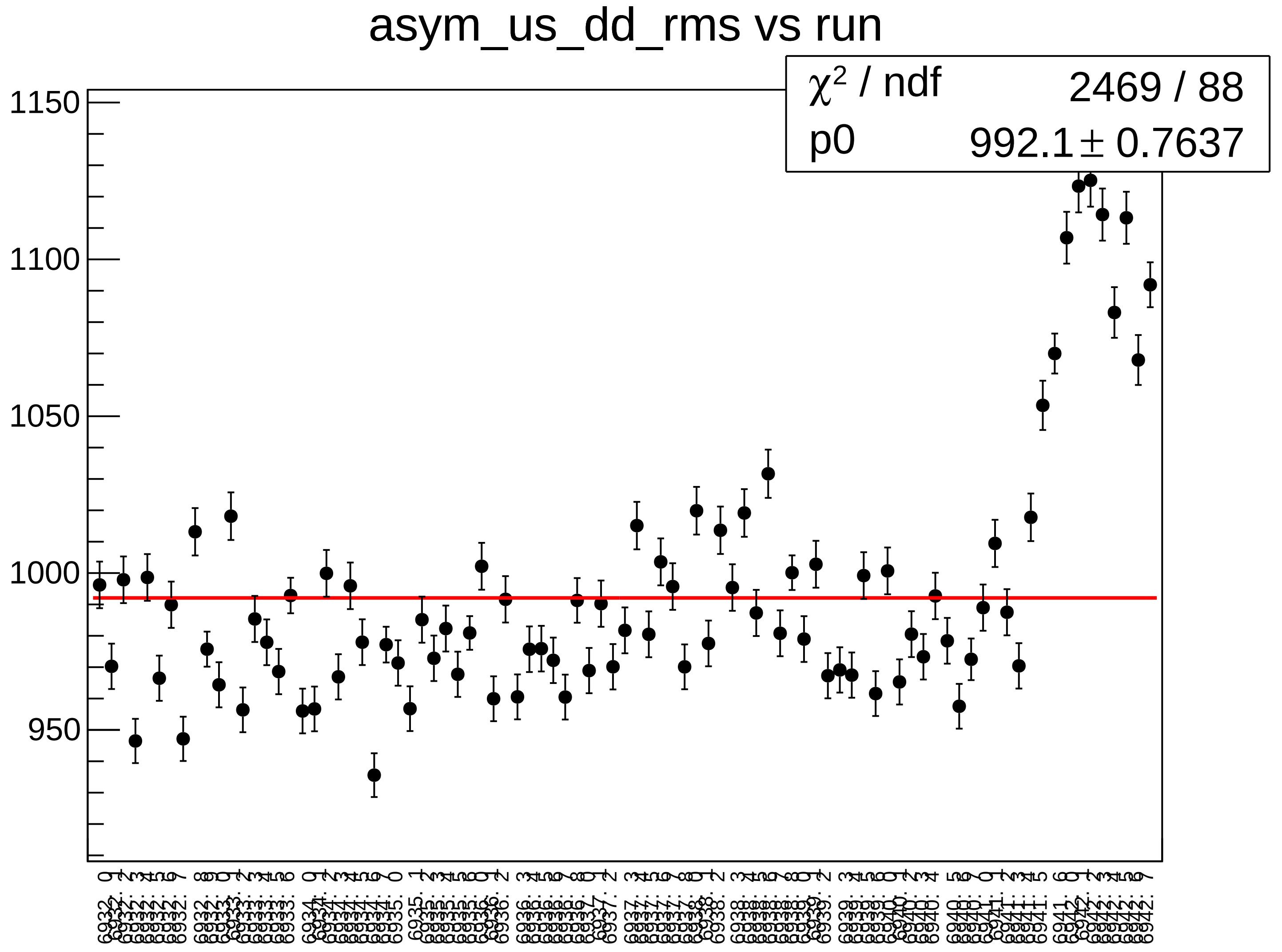


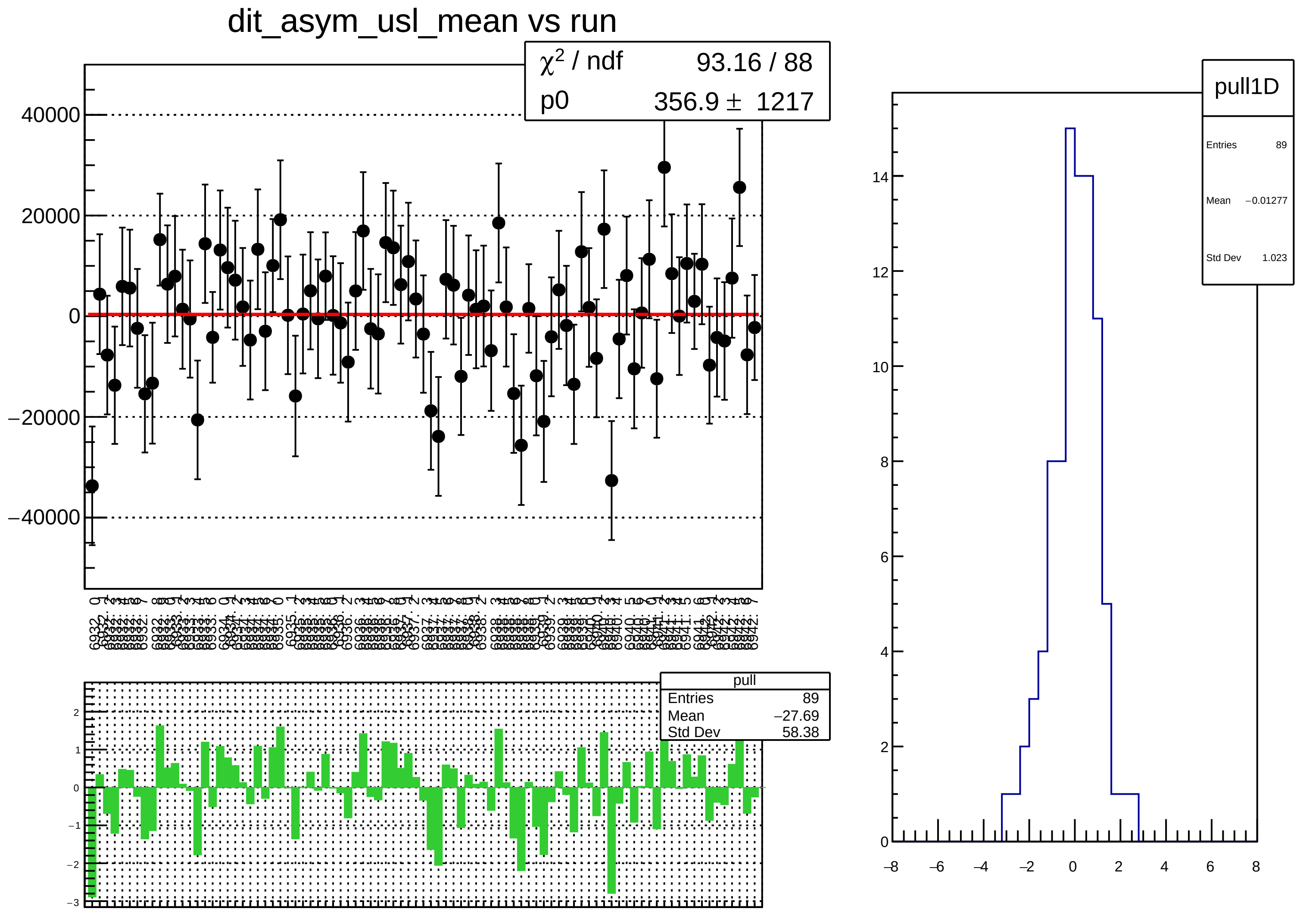
asym_us_dd_correction_mean vs run
χ^2 / ndf 87.45 / 88
p0 2733 ± 2156
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −621.4
Std Dev 657
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.008011
Std Dev 0.9912
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_correction_rms vs run
χ^2 / ndf 3282 / 88
p0 1980 ± 1.524
2200
2100
2000
1900
1800

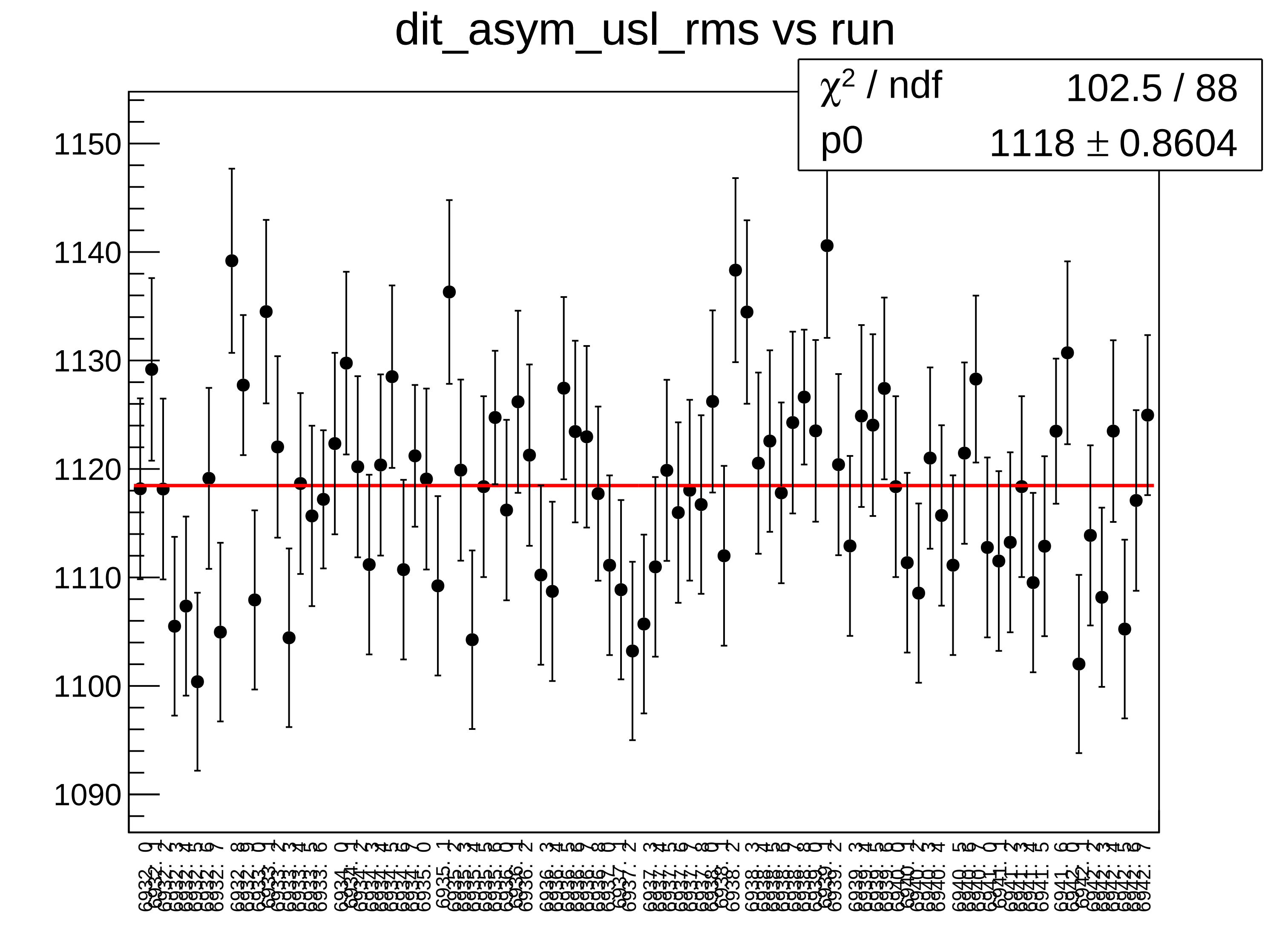


asym_us_dd_mean vs run
χ^2 / ndf 102.8 / 88
p0 633.7 ± 1080
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean 3312
Std Dev 3291
pull1D
Entries 89
Mean −0.0004929
Std Dev 1.075

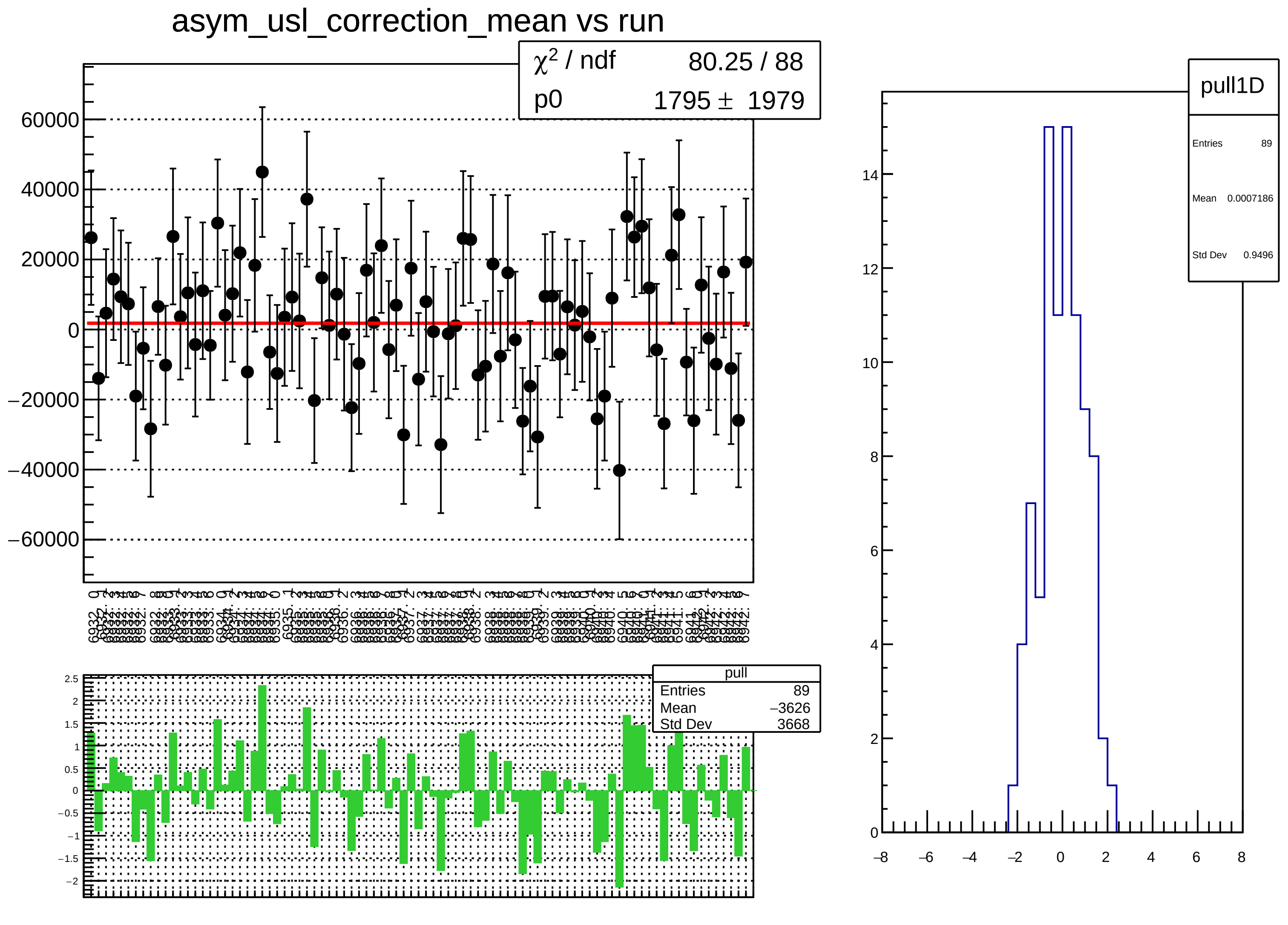

asym_us_dd_rms vs run
χ2 / ndf 2469 / 88
p0 992.1 ± 0.7637
1150
1100
1050
1000
950

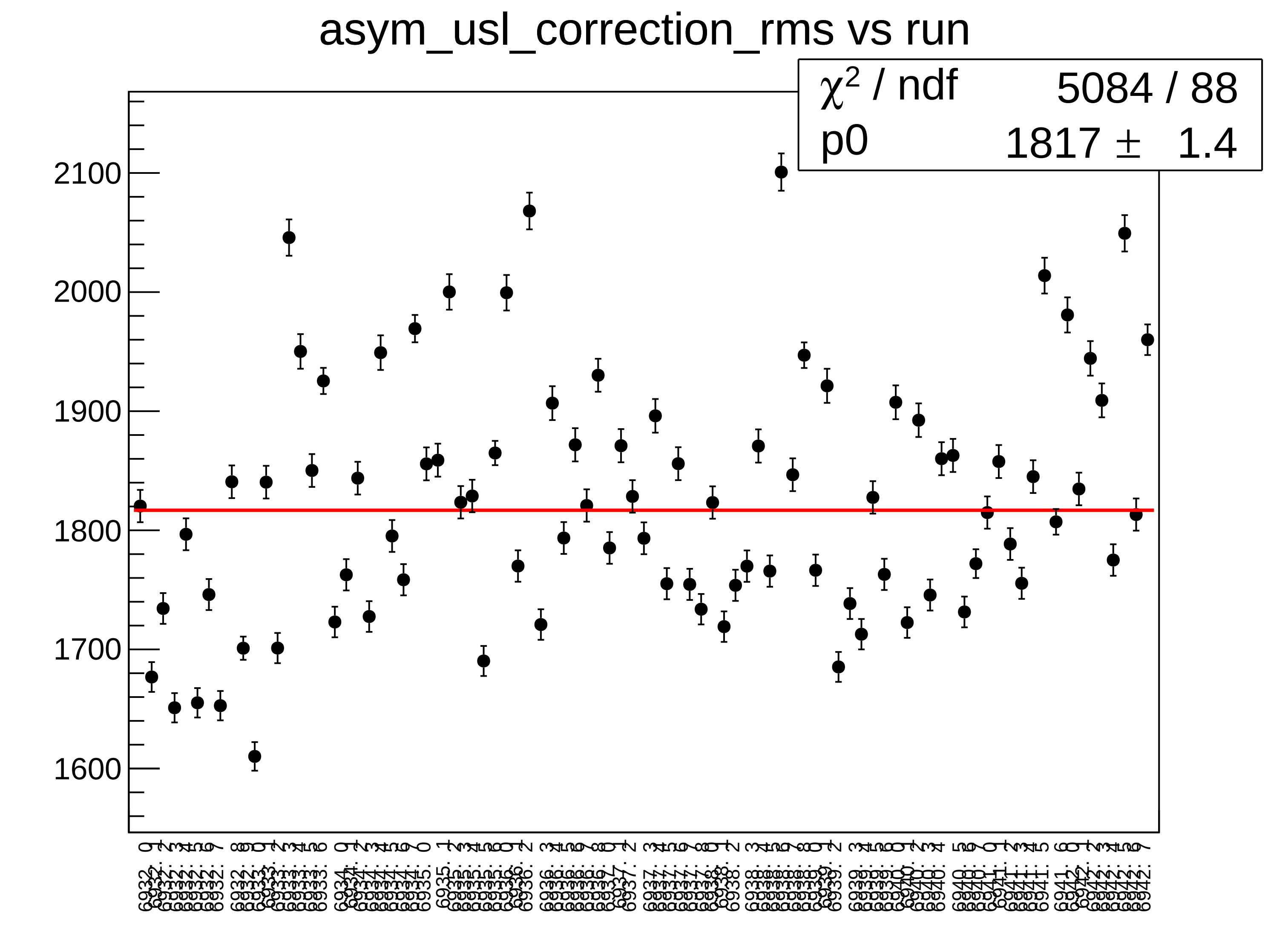


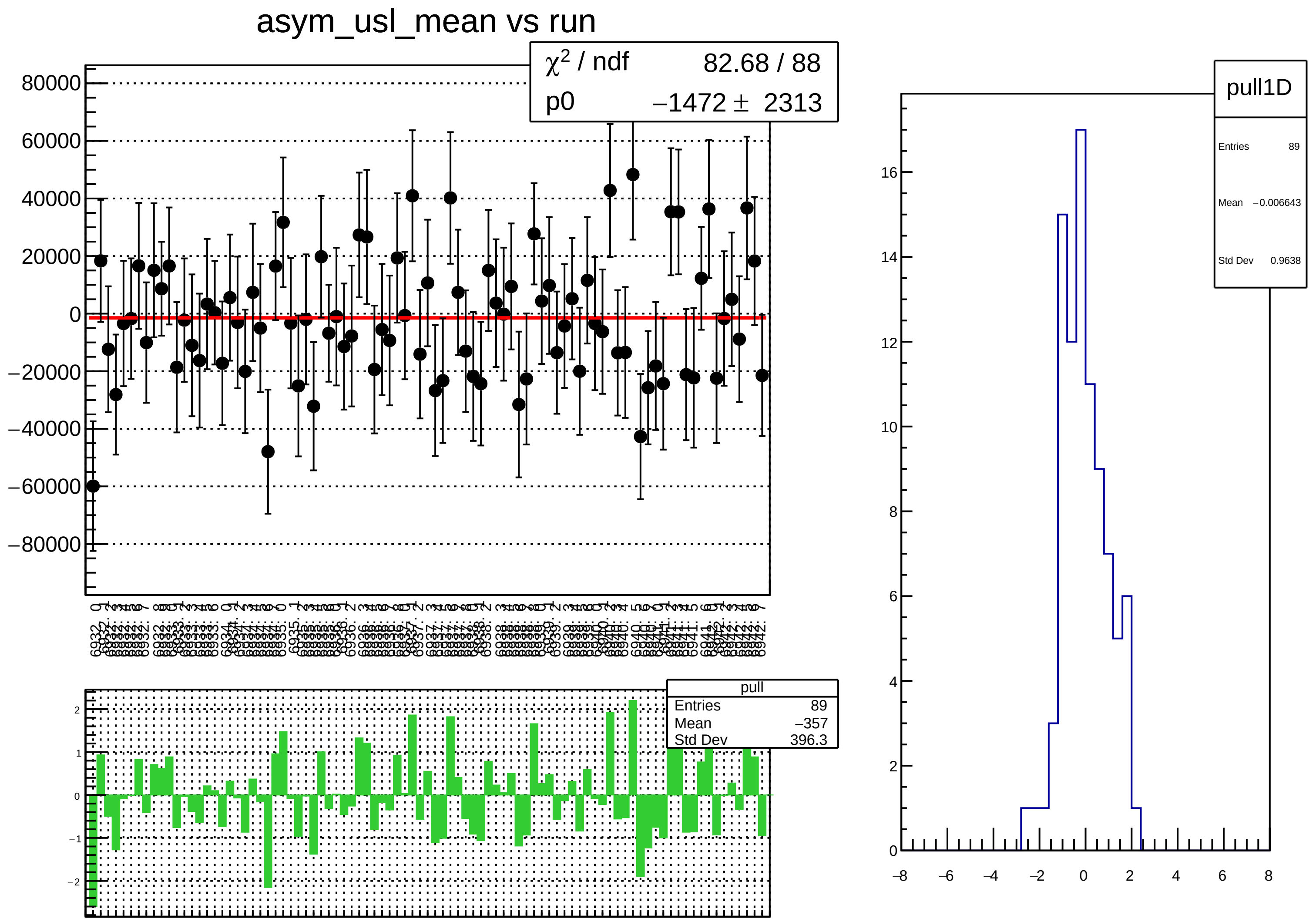
dit_asym_usl_mean vs run
χ^2 / ndf 93.16 / 88
p0 356.9 ± 1217
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −27.69
Std Dev 58.38
pull1D
Entries 89
Mean −0.01277
Std Dev 1.023

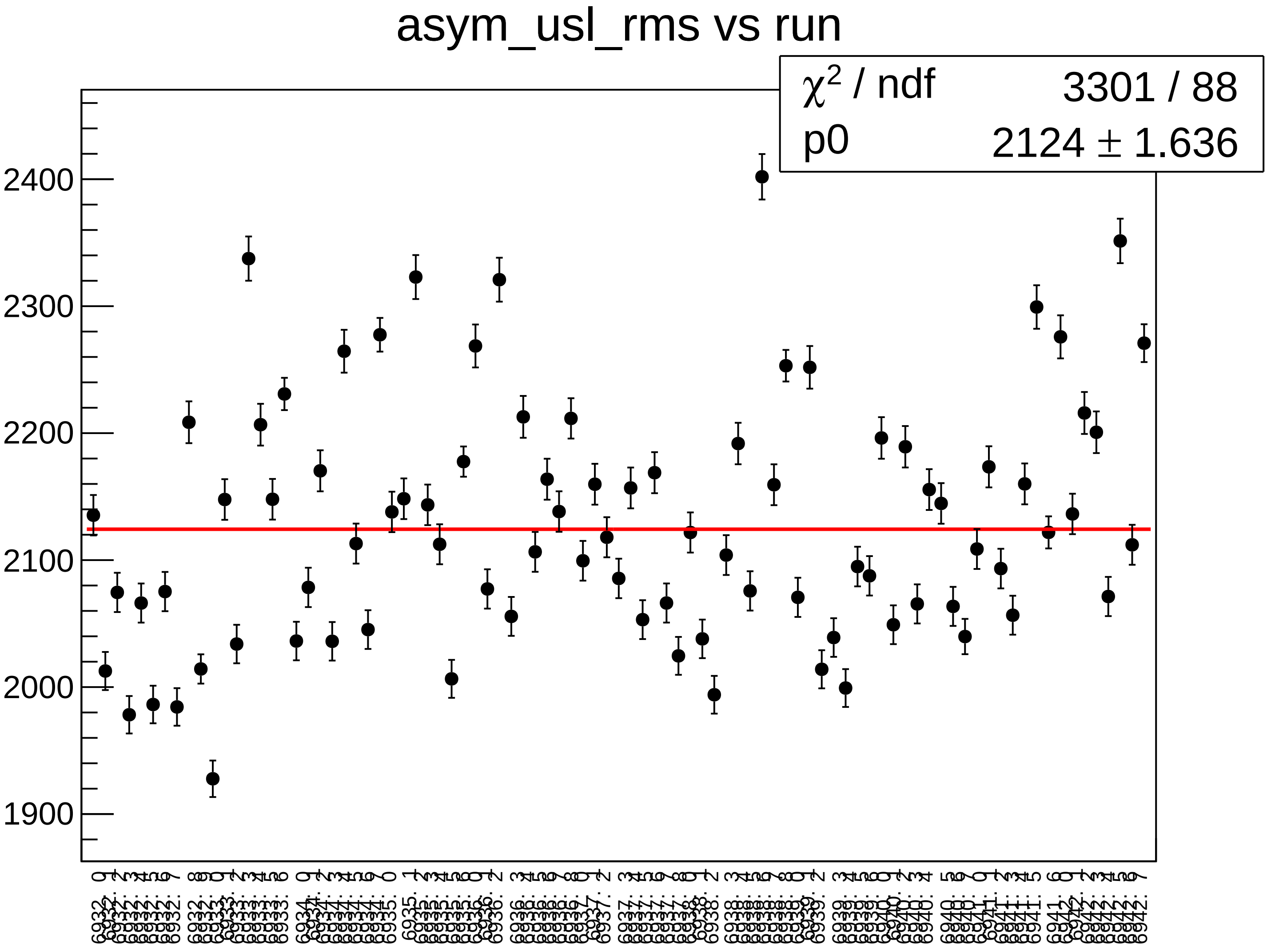


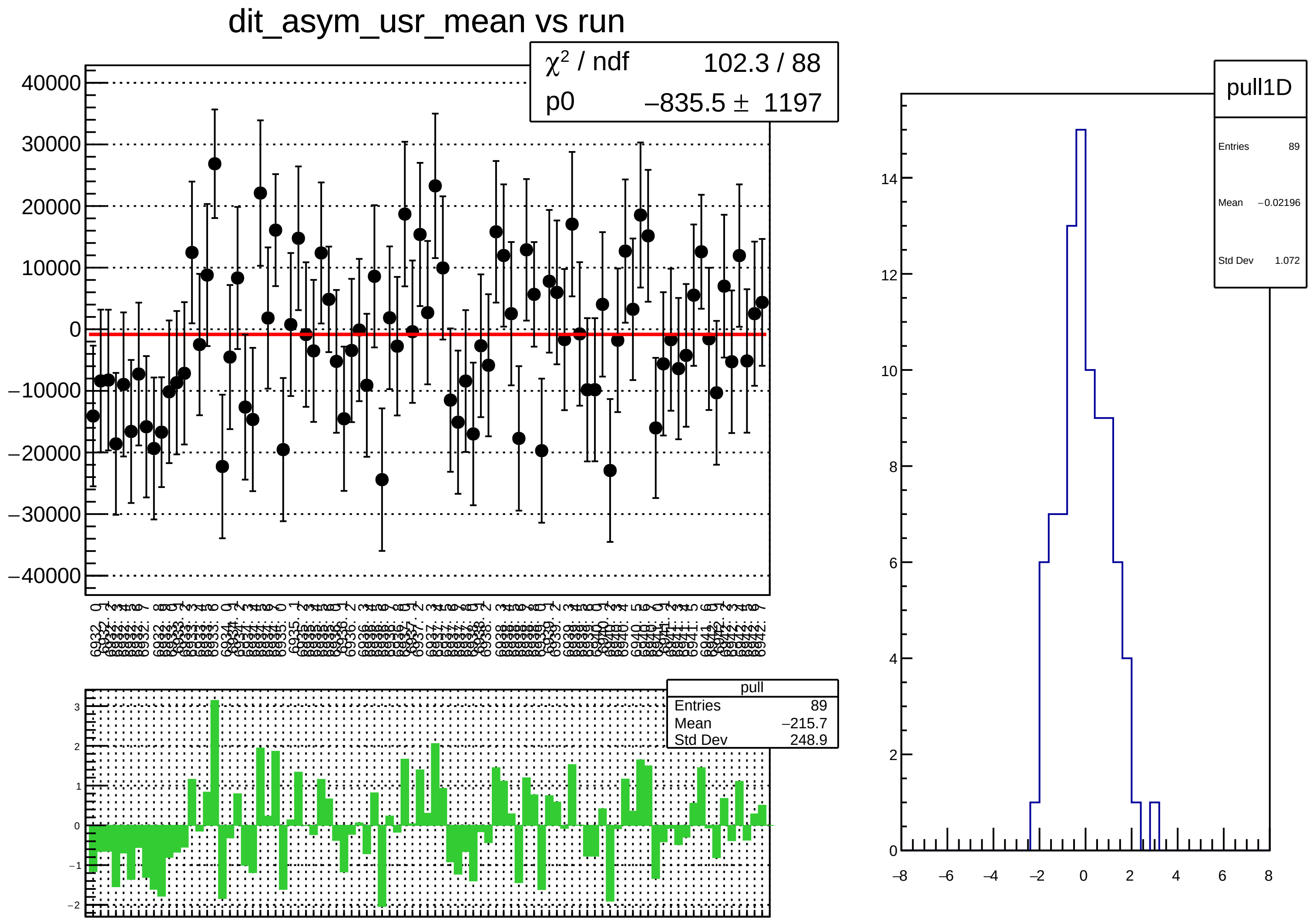
dit_asym_usl_rms vs run
χ^2 / ndf 102.5 / 88
p0 1118 ± 0.8604
1150
1140
1130
1120
1110
1100
1090

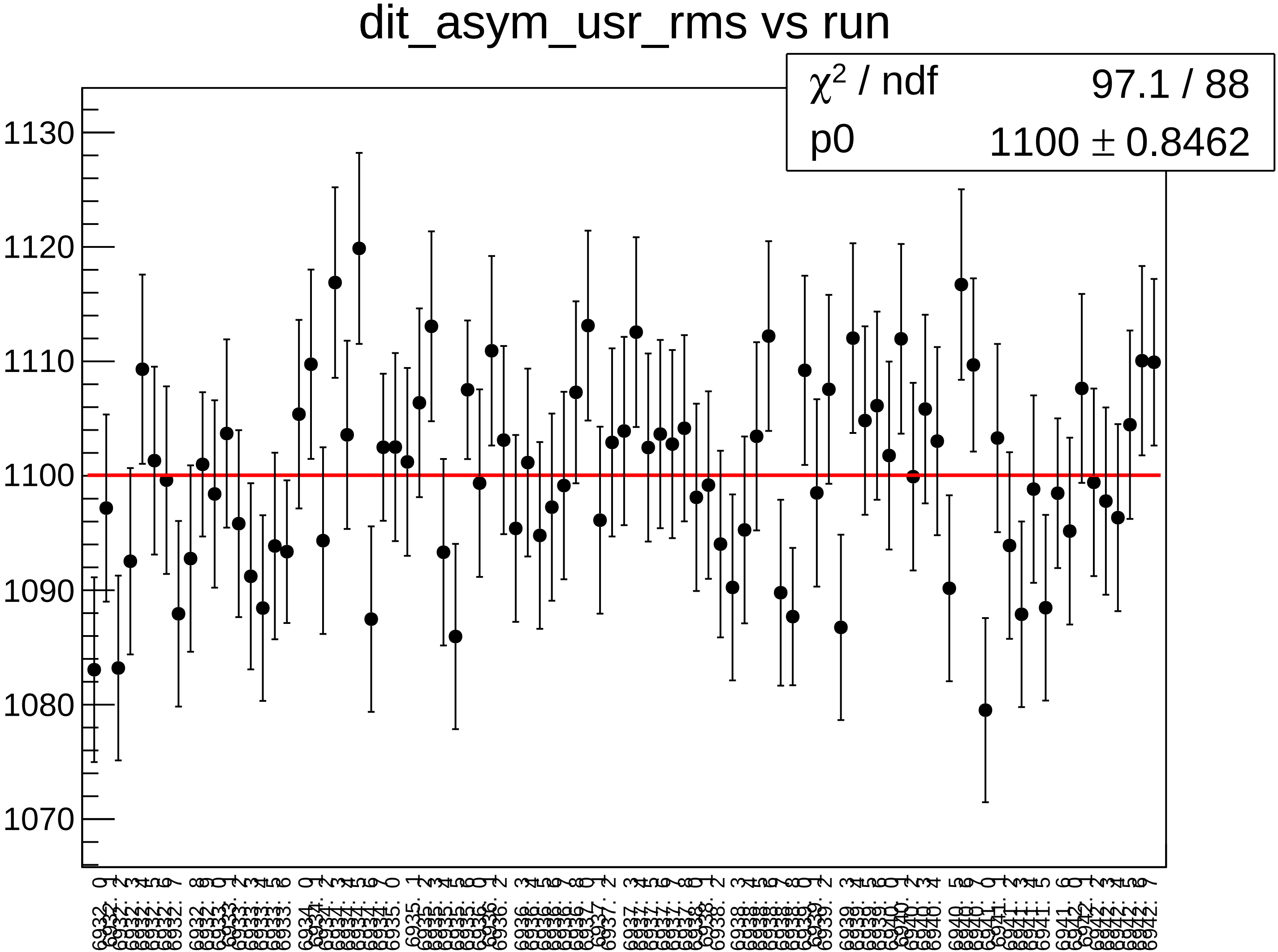

asym_usl_correction_mean vs run
χ2 / ndf 80.25 / 88
p0 1795 ± 1979
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −3626
Std Dev 3668
pull1D
Entries 89
Mean 0.0007186
Std Dev 0.9496

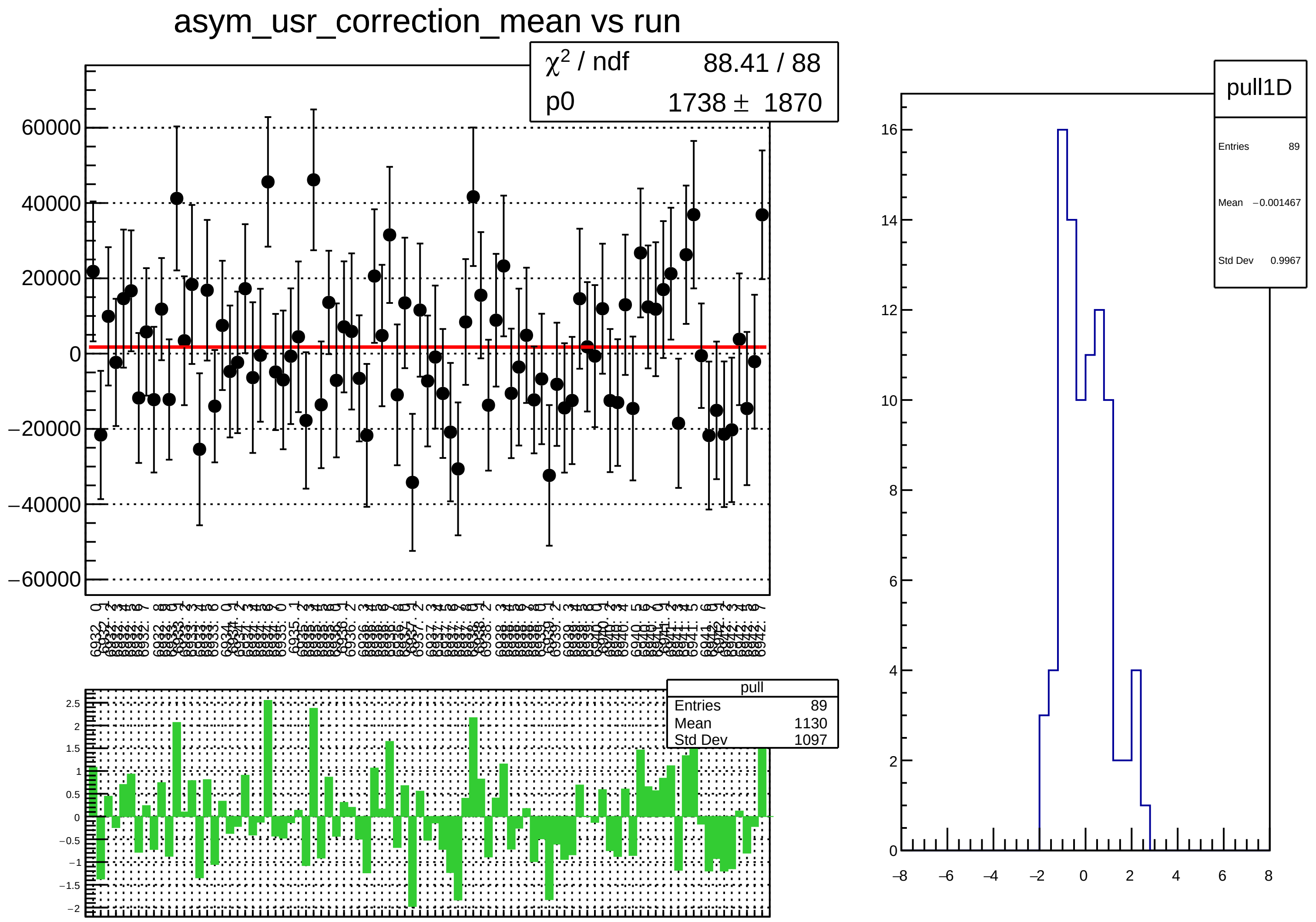

asym_usl_correction_rms vs run
χ2 / ndf 5084 / 88
p0 1817 ± 1.4
2100
2000
1900
1800
1700
1600

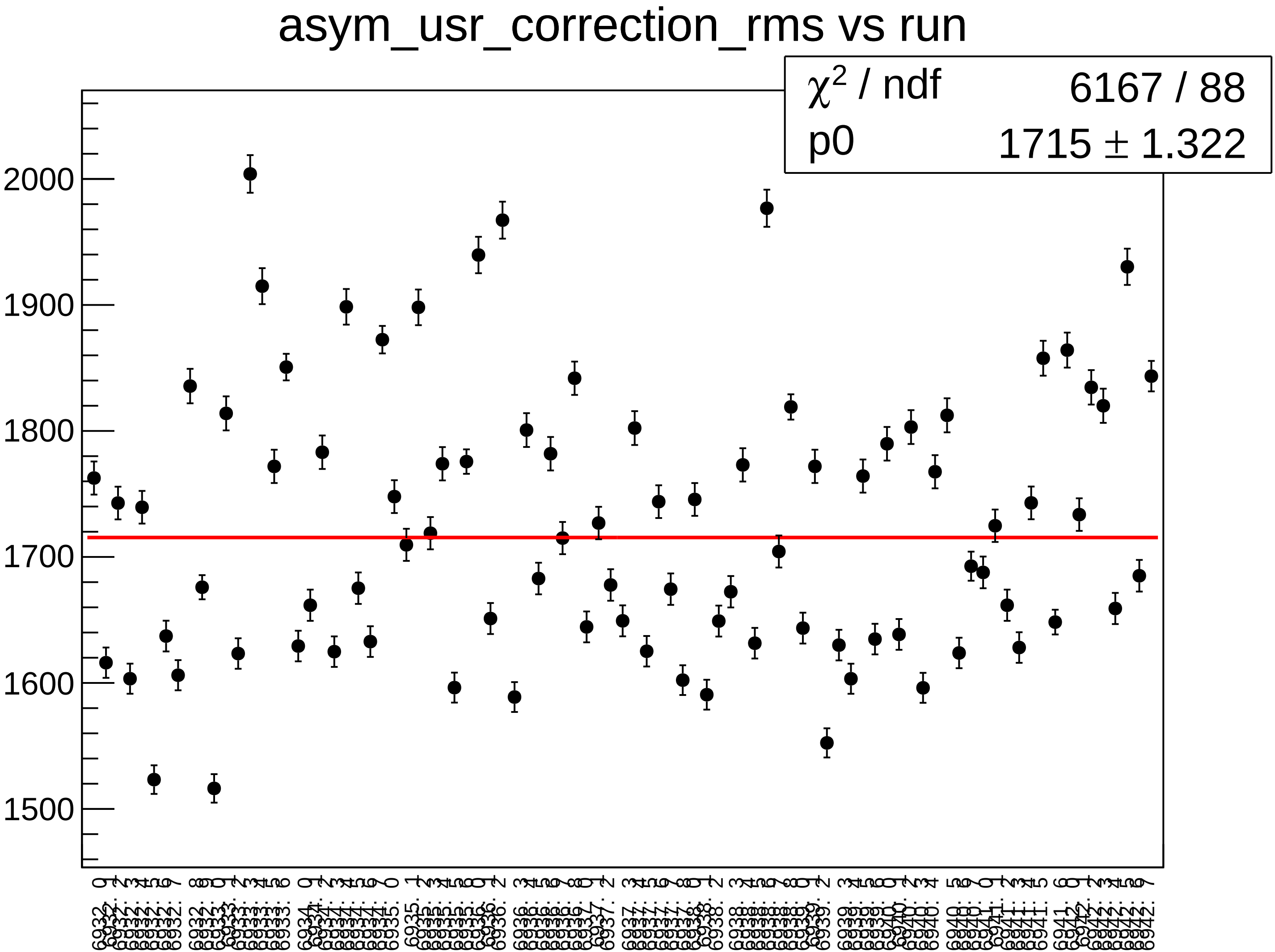

asym_usl_mean vs run
χ2 / ndf 82.68 / 88
p0 −1472 ± 2313
pull
Entries 89
Mean −357
Std Dev 396.3
pull1D
Entries 89
Mean −0.006643
Std Dev 0.9638

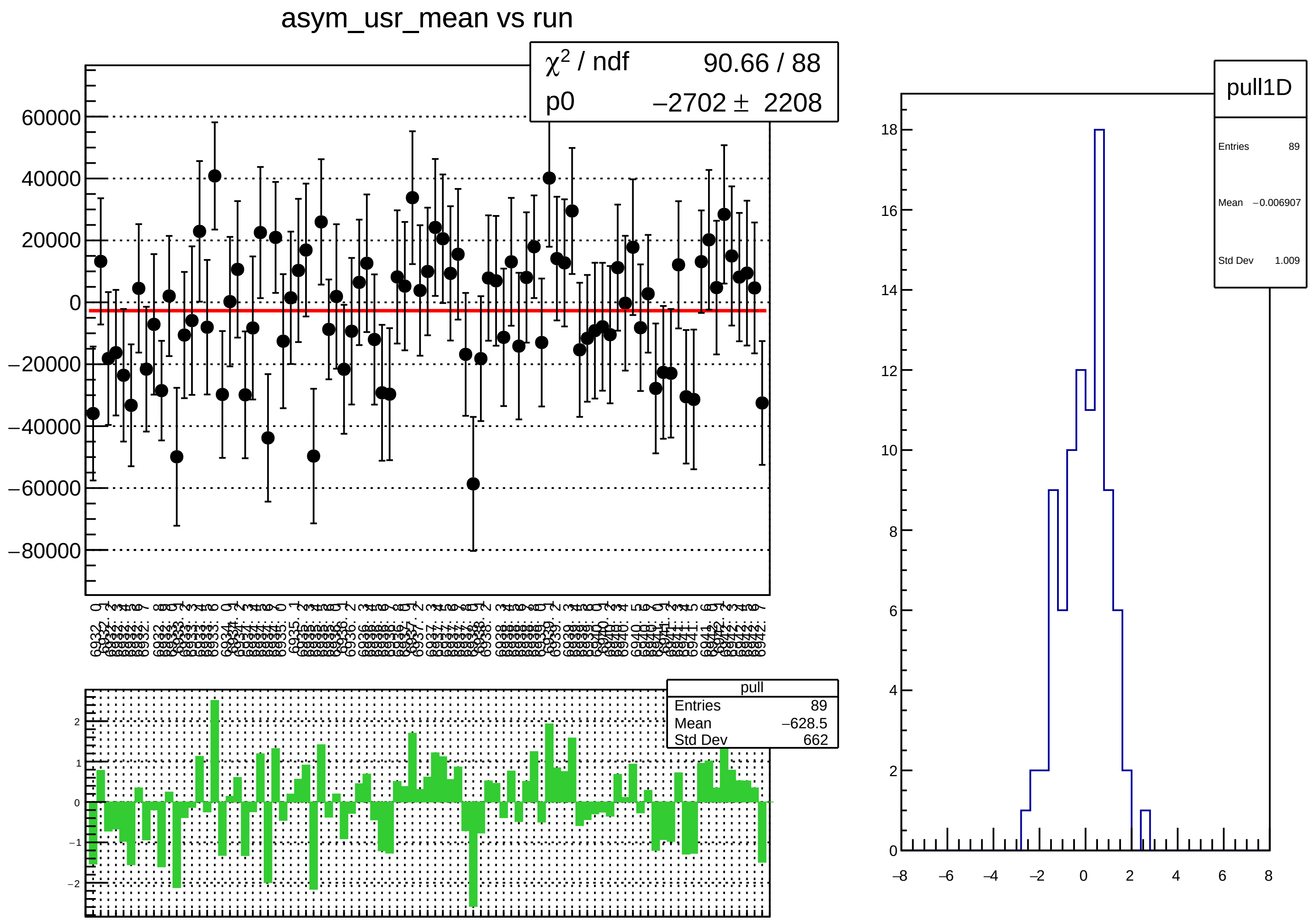

asym_usl_rms vs run
χ^2 / ndf 3301 / 88
p0 2124 ± 1.636
2400
2300
2200
2100
2000
1900


dit_asym_usr_mean vs run
χ^2 / ndf 102.3 / 88
p0 −835.5 ± 1197
pull
Entries 89
Mean −215.7
Std Dev 248.9
pull1D
Entries 89
Mean −0.02196
Std Dev 1.072

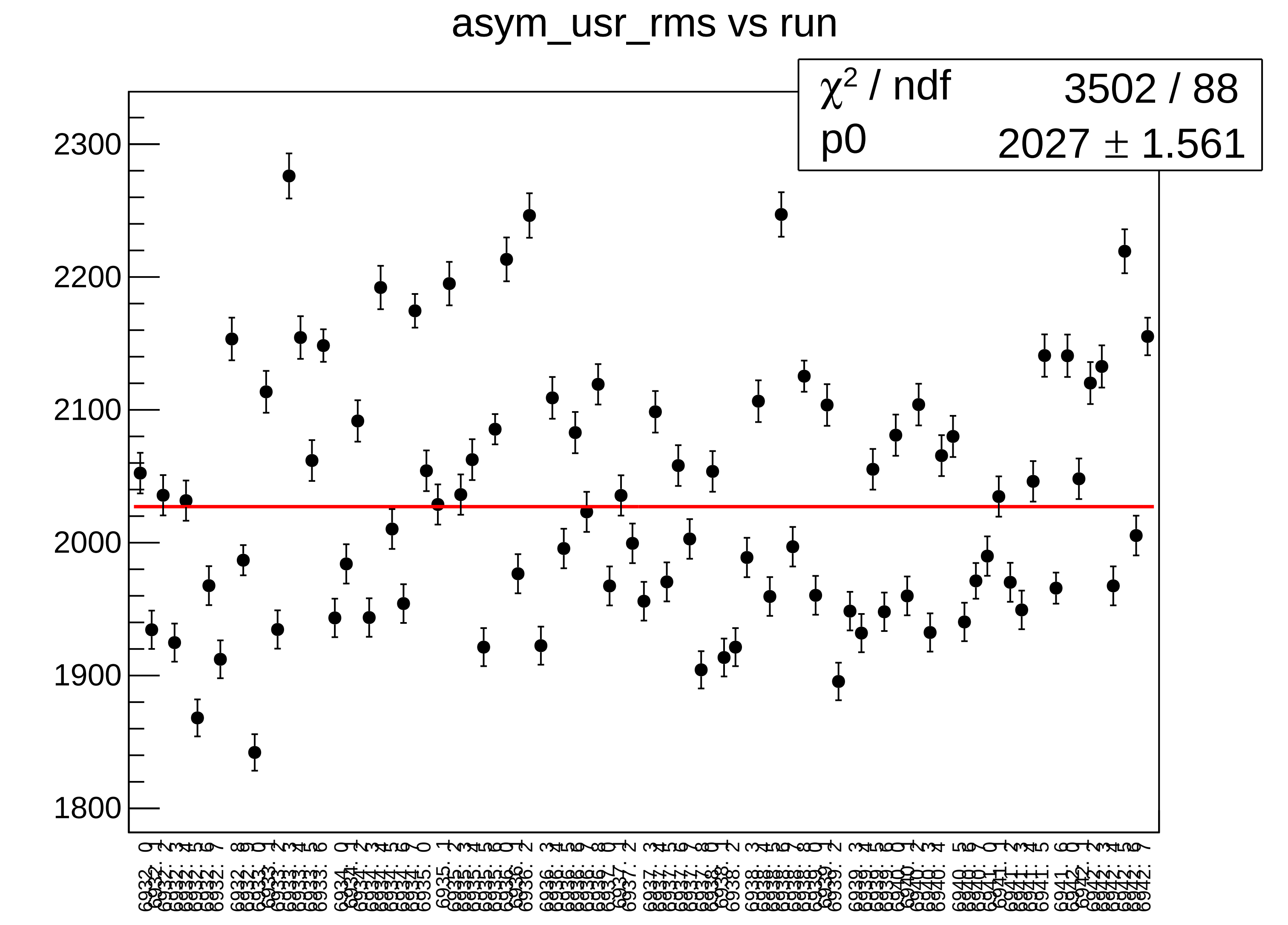

dit_asym_usr_rms vs run
χ2 / ndf 97.1 / 88
p0 1100 ± 0.8462
1130
1120
1110
1100
1090
1080
1070

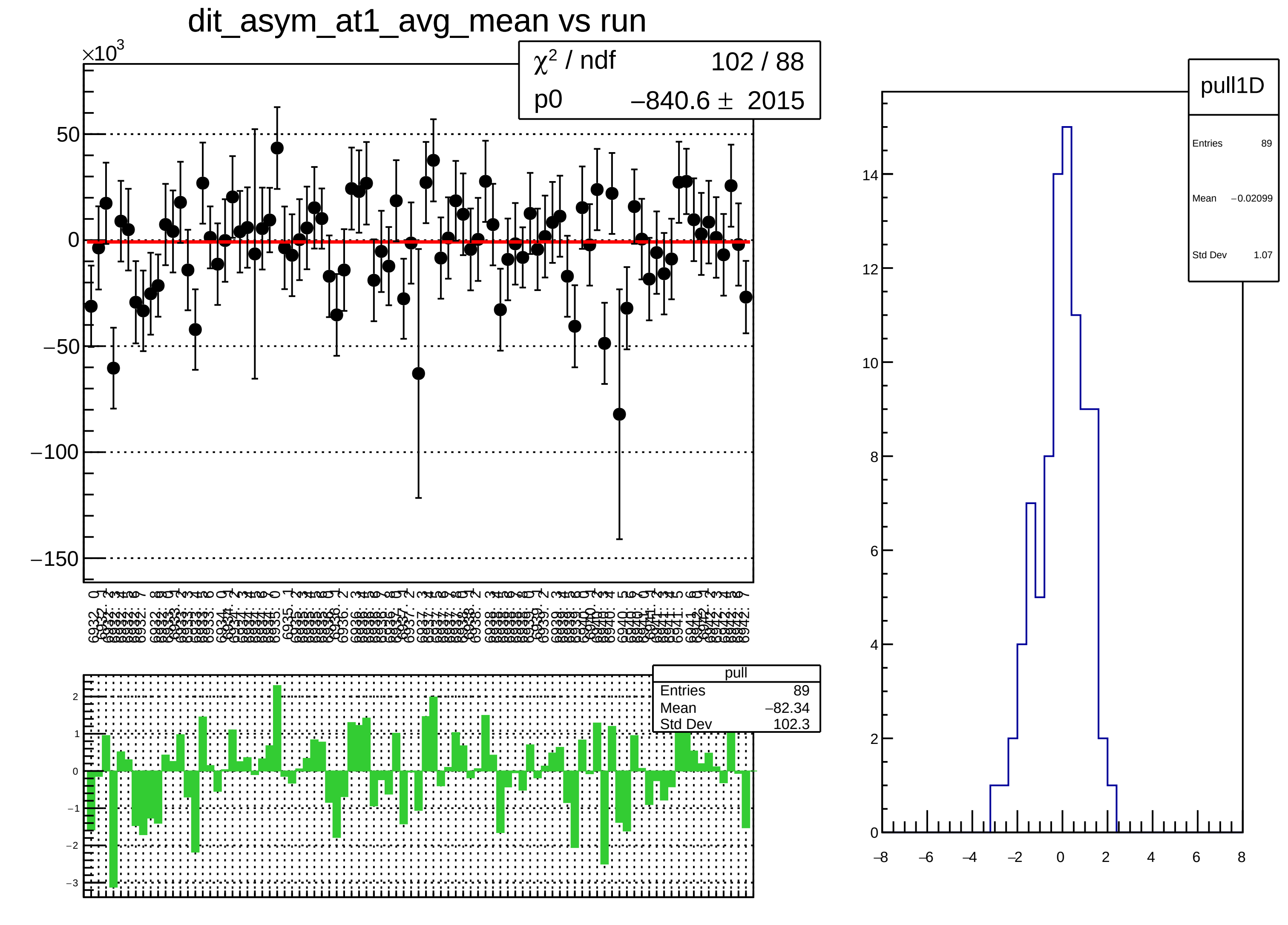

asym_usr_correction_mean vs run
χ2 / ndf 88.41 / 88
p0 1738 ± 1870
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 1130
Std Dev 1097
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.001467
Std Dev 0.9967
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_correction_rms vs run
χ^2 / ndf 6167 / 88
p0 1715 ± 1.322
2000
1900
1800
1700
1600
1500

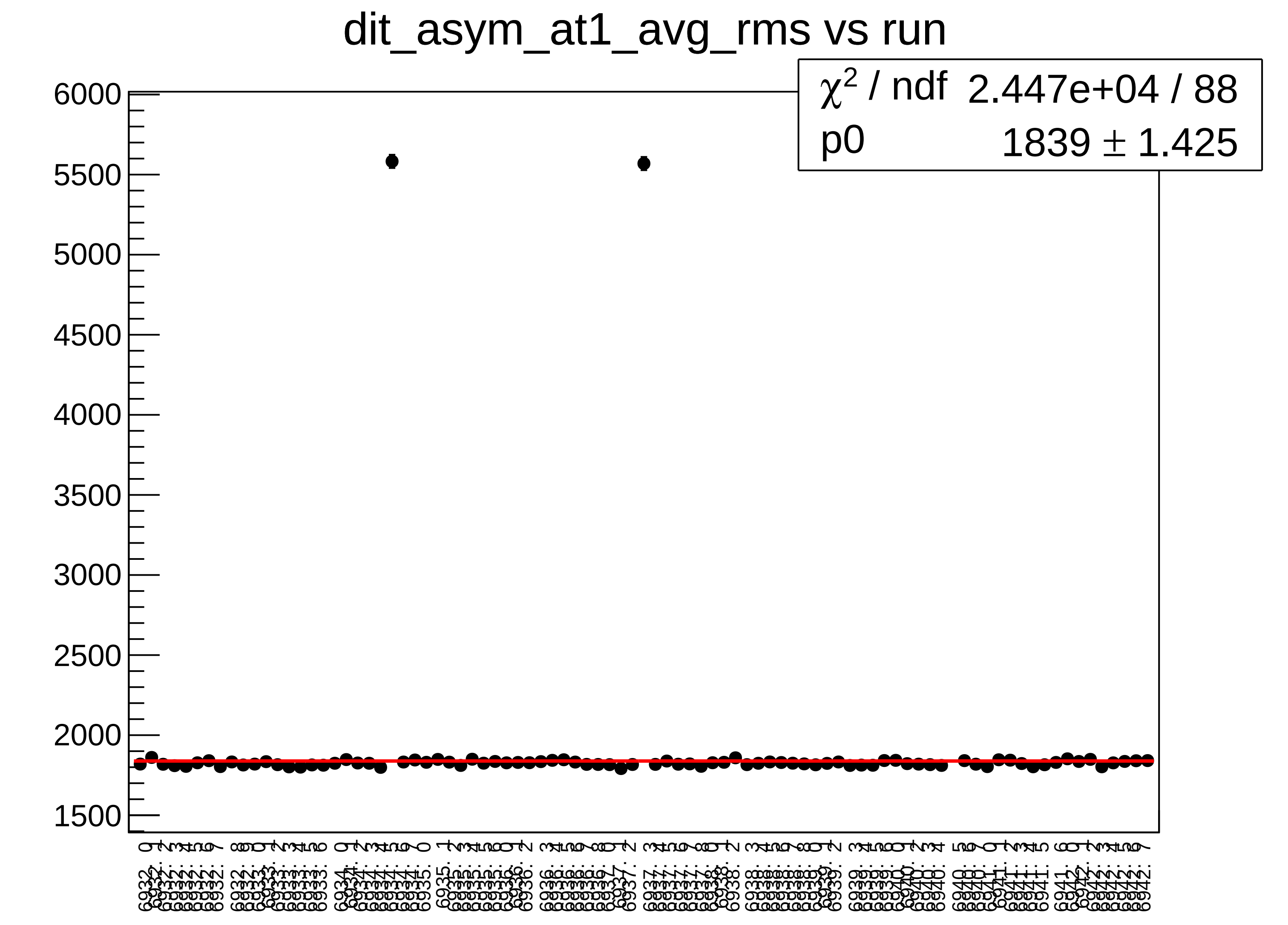


asym_usr_mean vs run
χ^2 / ndf 90.66 / 88
p0 −2702 ± 2208
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −628.5
Std Dev 662
pull1D
Entries 89
Mean −0.006907
Std Dev 1.009

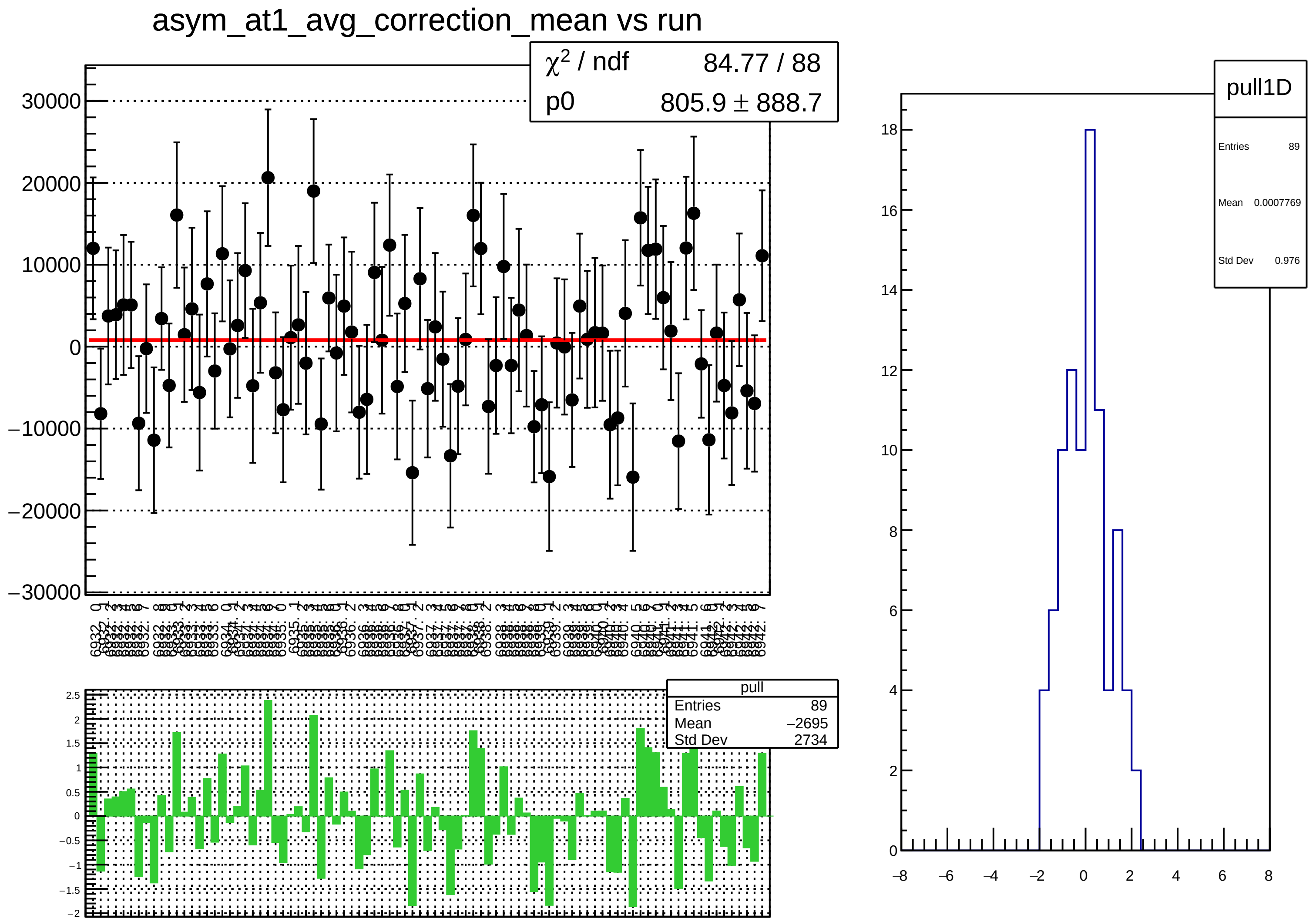

asym_usr_rms vs run
χ2 / ndf 3502 / 88
p0 2027 ± 1.561
2300
2200
2100
2000
1900
1800

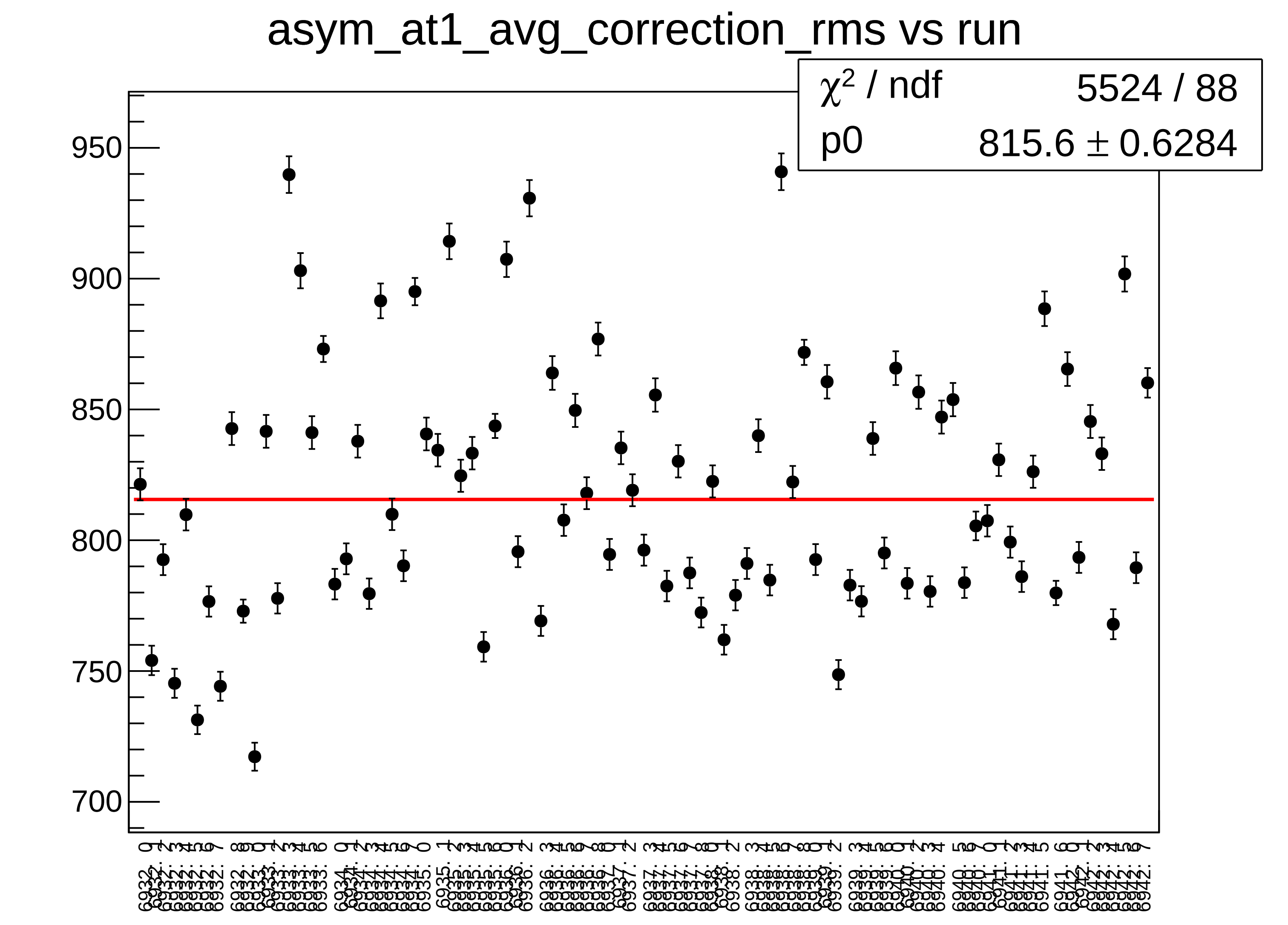


dit_asym_at1_avg_mean vs run
$\times 10^3$
χ^2 / ndf 102 / 88
p0 −840.6 ± 2015
pull
Entries 89
Mean −82.34
Std Dev 102.3
pull1D
Entries 89
Mean −0.02099
Std Dev 1.07

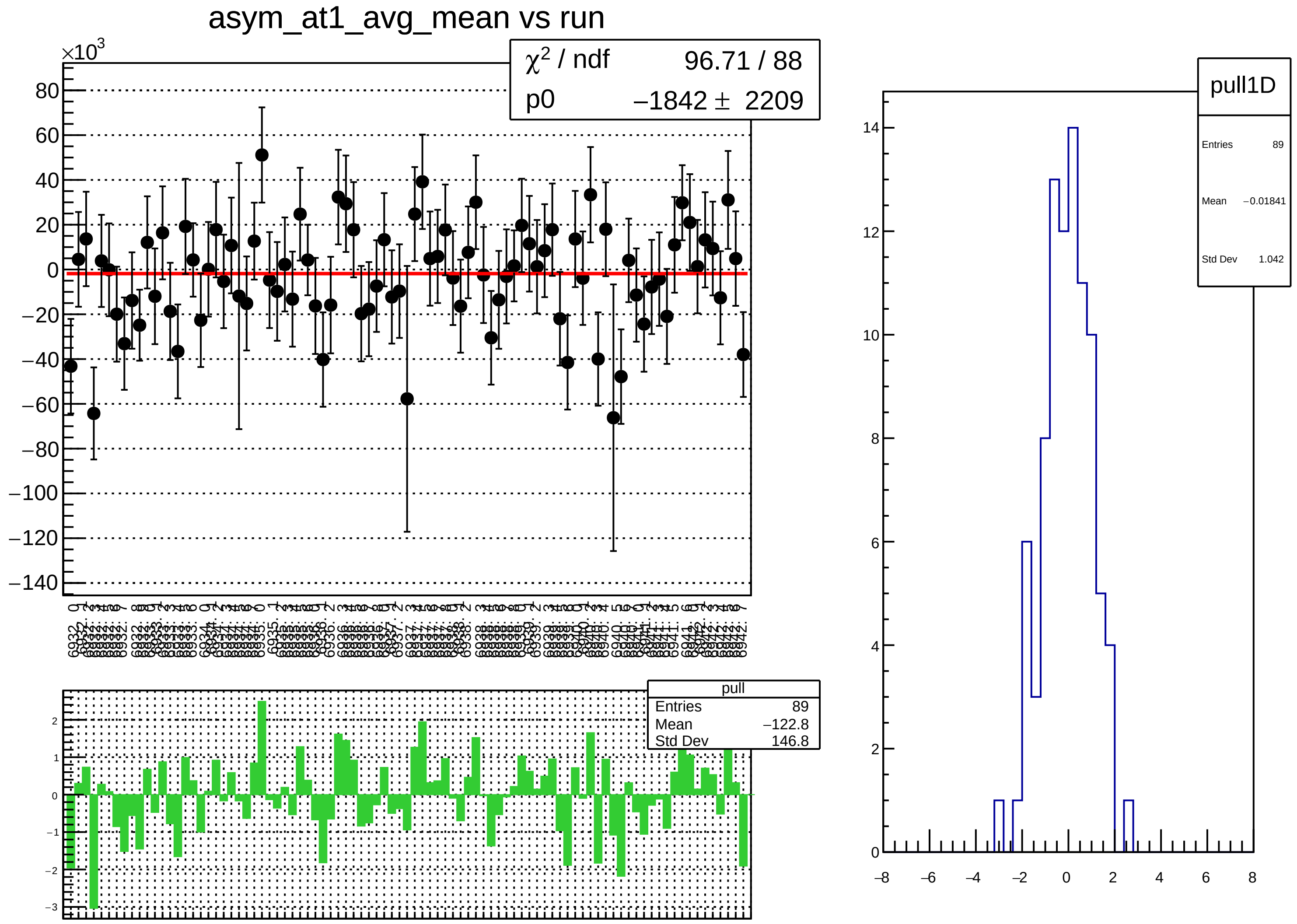


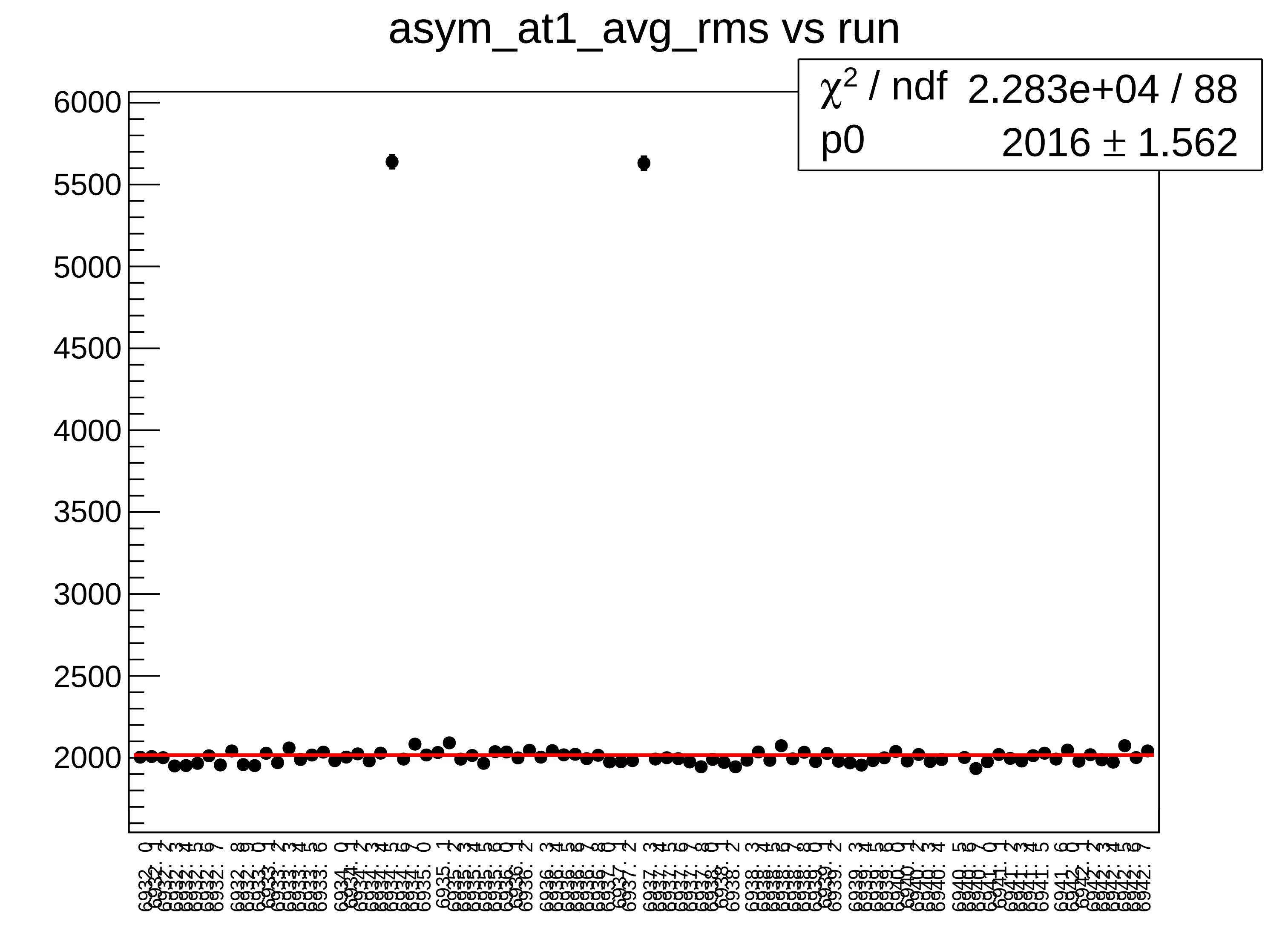
dit_asym_at1_avg_rms vs run
χ^2 / ndf 2.447e+04 / 88
p0 1839 ± 1.425
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

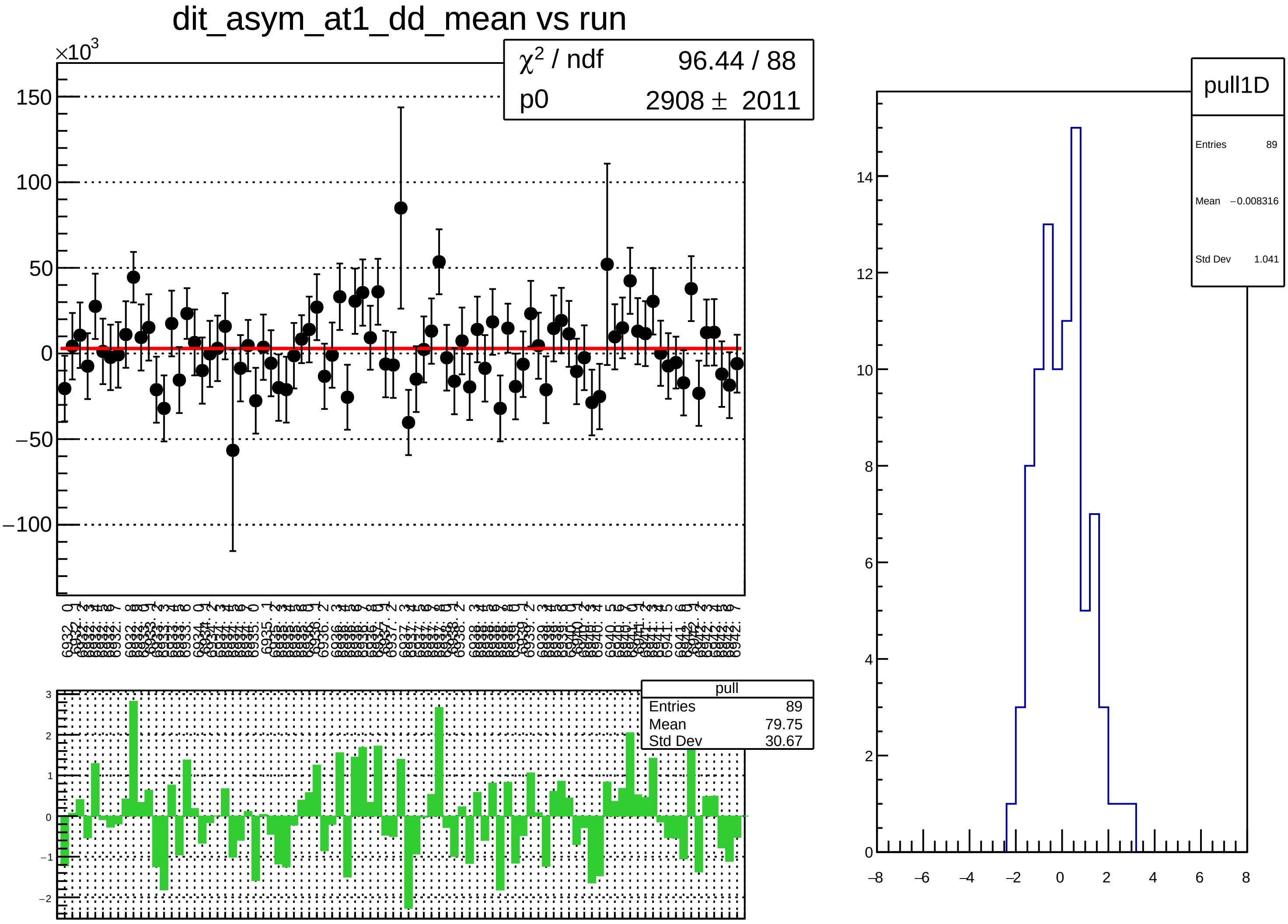

asym_at1_avg_correction_mean vs run
χ^2 / ndf 84.77 / 88
p0 805.9 ± 888.7
pull
Entries 89
Mean −2695
Std Dev 2734
pull1D
Entries 89
Mean 0.0007769
Std Dev 0.976



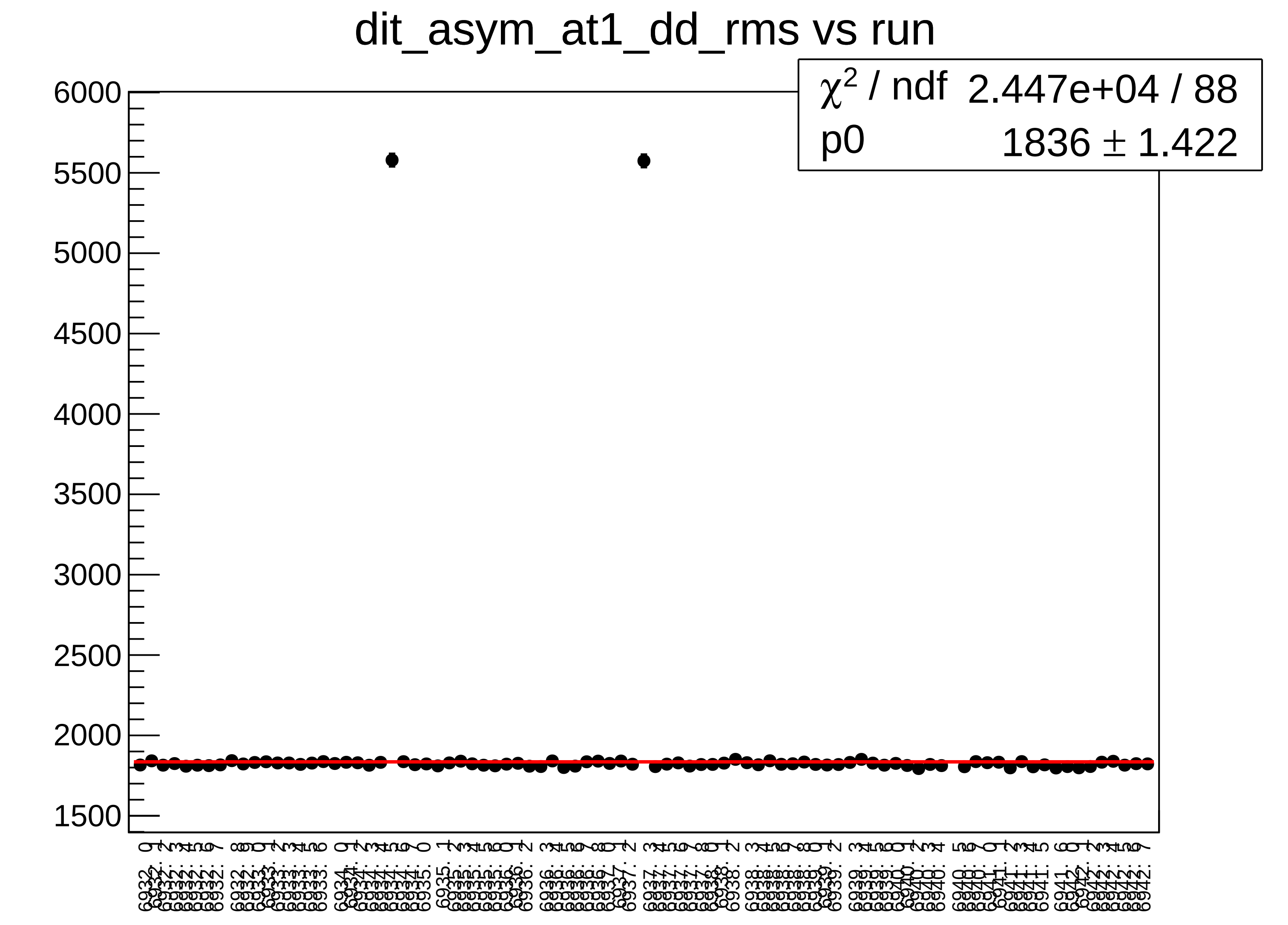
asym_at1_avg_correction_rms vs run
χ^2 / ndf 5524 / 88
p0 815.6 ± 0.6284
950
900
850
800
750
700

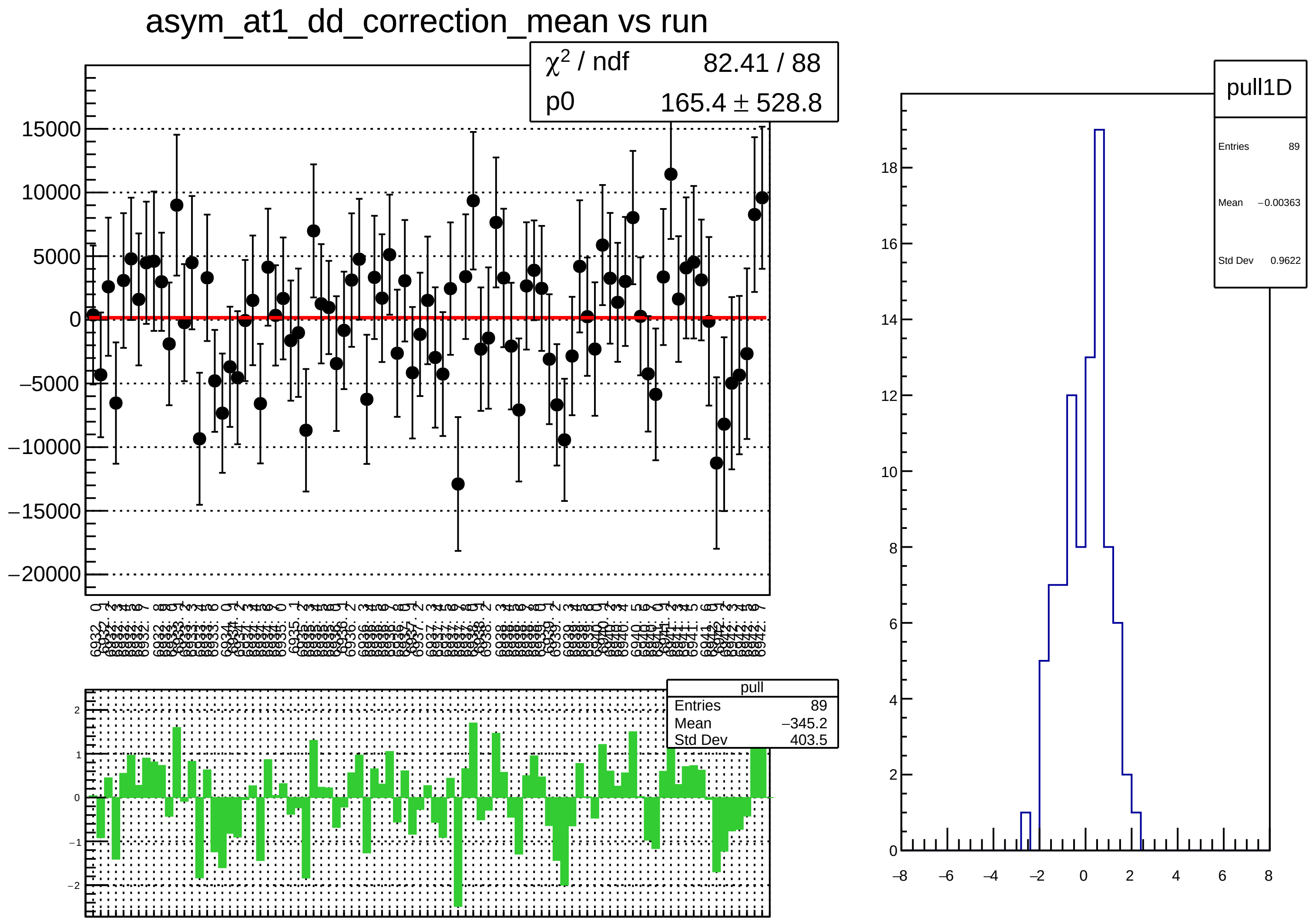

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 96.71 / 88
p0 −1842 ± 2209
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull
Entries 89
Mean −122.8
Std Dev 146.8
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.01841
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_rms vs run
χ^2 / ndf 2.283e+04 / 88
p0 2016 ± 1.562
6000
5500
5000
4500
4000
3500
3000
2500
2000

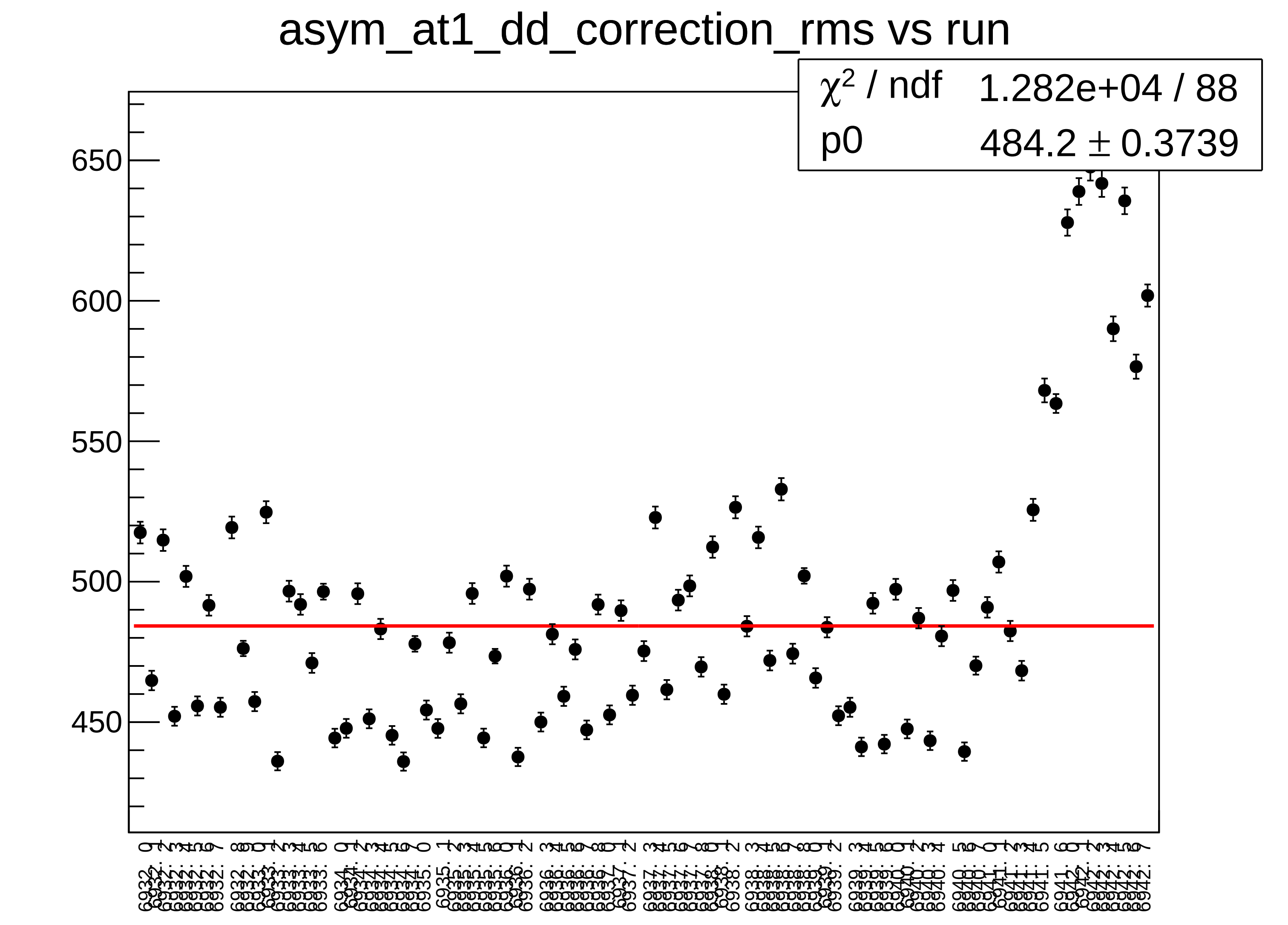


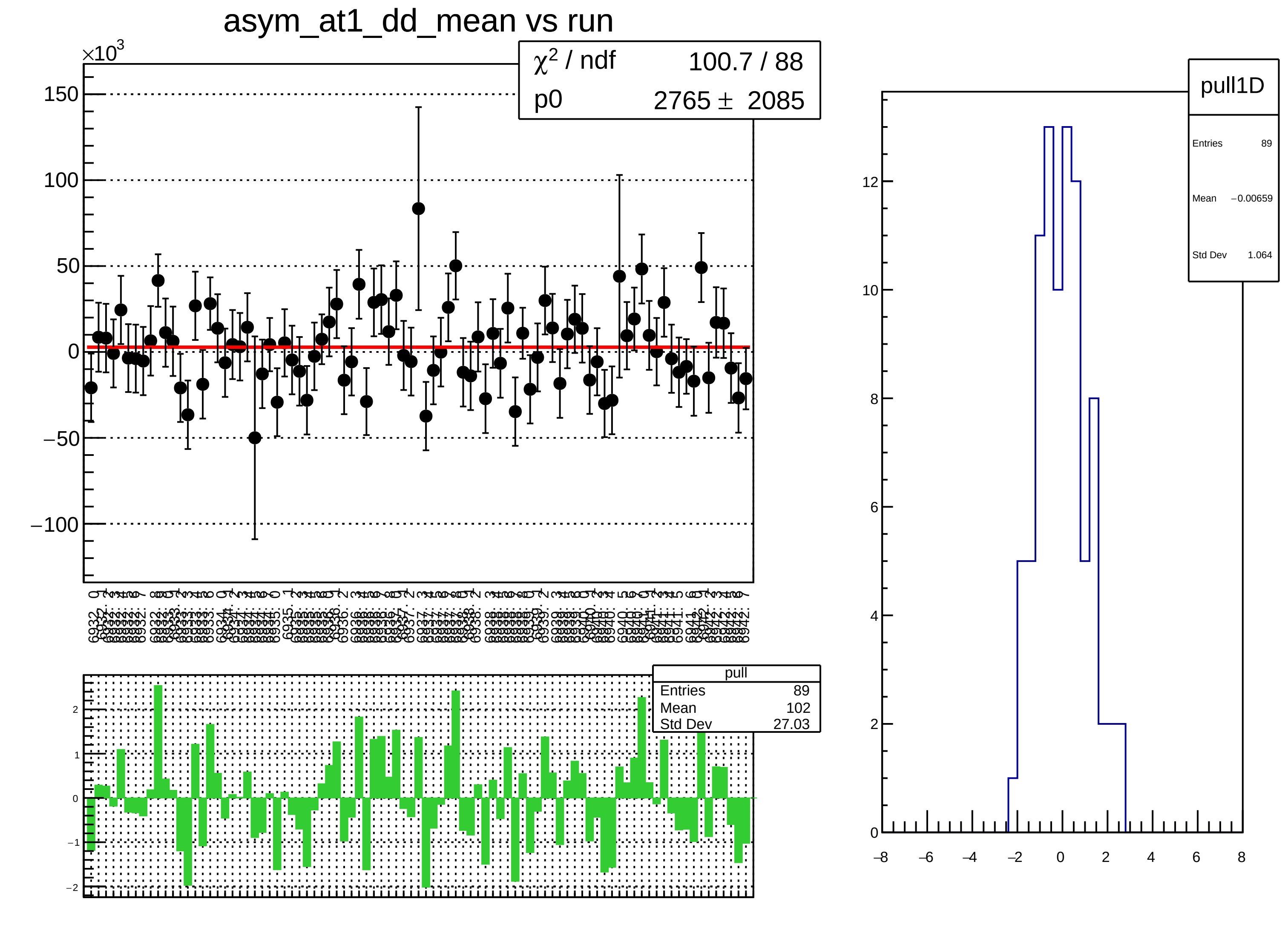
dit_asym_at1_dd_mean vs run
$\times10^3$
χ^2 / ndf 96.44 / 88
p0 2908 ± 2011
150
100
50
0
−50
−100
pull
Entries 89
Mean 79.75
Std Dev 30.67
pull1D
Entries 89
Mean −0.008316
Std Dev 1.041


dit_asym_at1_dd_rms vs run
χ^2 / ndf 2.447e+04 / 88
p0 1836 ± 1.422
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

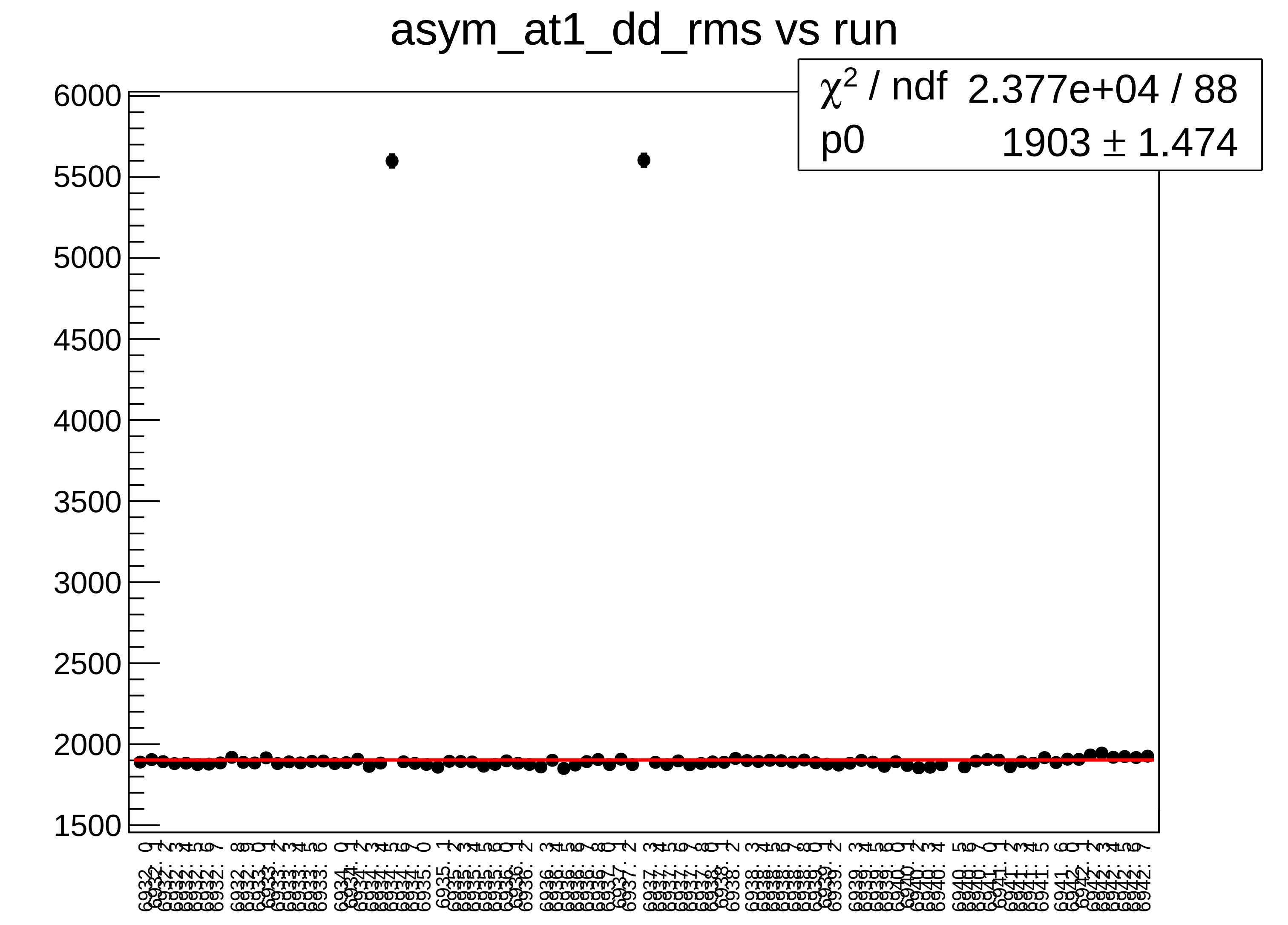


asym_at1_dd_correction_mean vs run
χ^2 / ndf 82.41 / 88
p0 165.4 ± 528.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 89
Mean −345.2
Std Dev 403.5
pull1D
Entries 89
Mean −0.00363
Std Dev 0.9622


asym_at1_dd_correction_rms vs run
χ2 / ndf 1.282e+04 / 88
p0 484.2 ± 0.3739
650
600
550
500
450

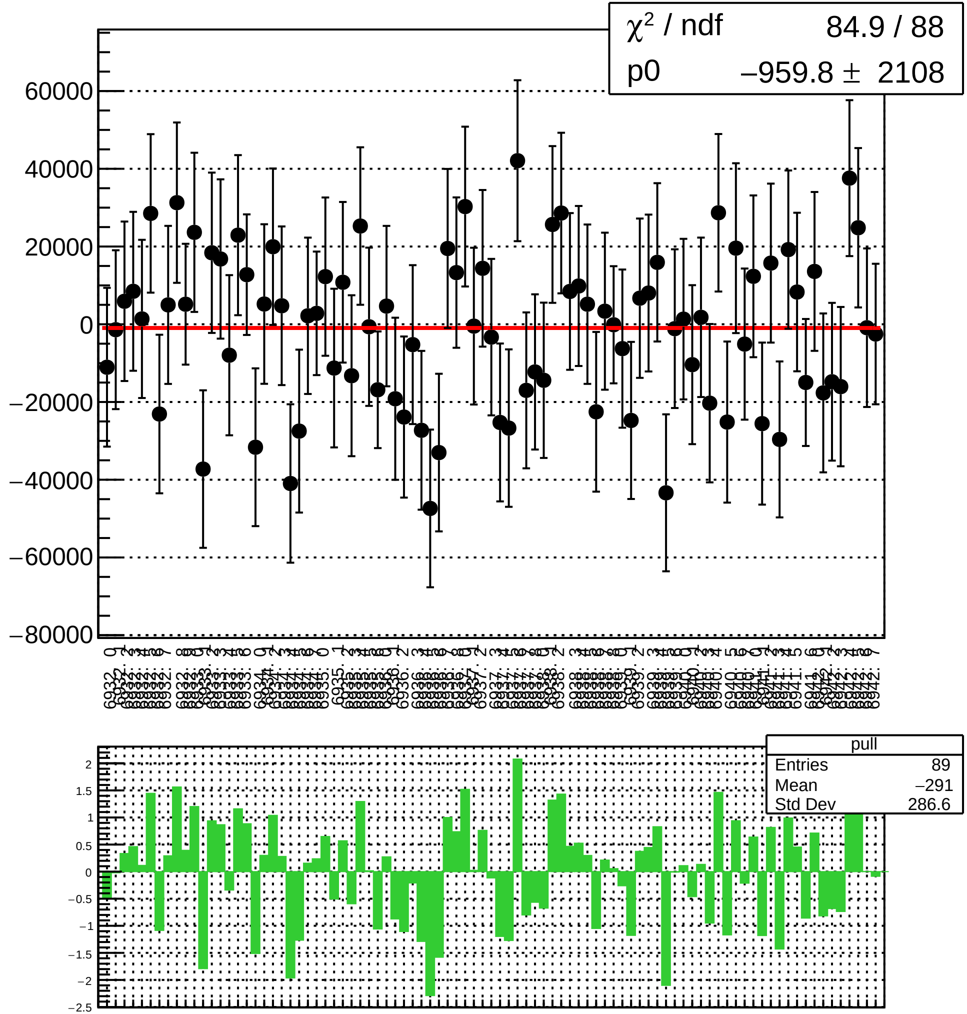


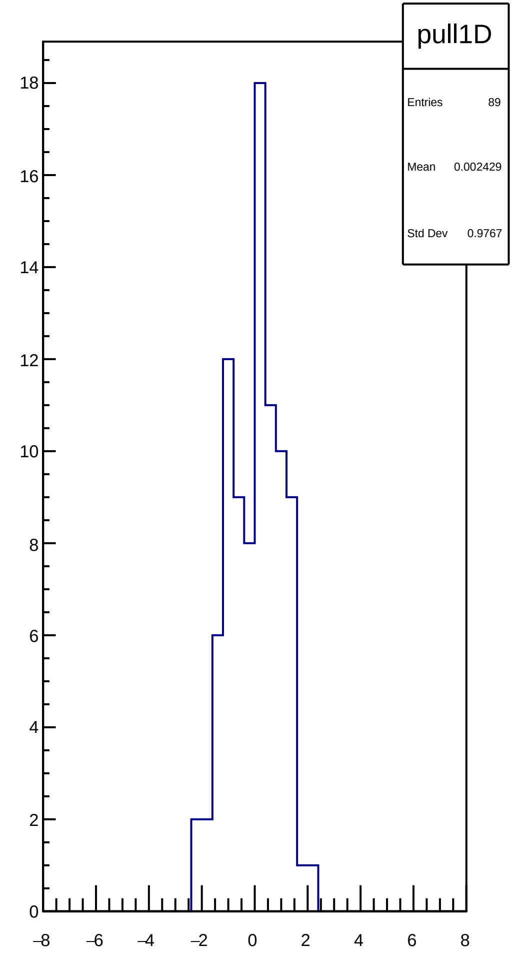
asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 100.7 / 88
p0 2765 ± 2085
150
100
50
0
−50
−100
pull
Entries 89
Mean 102
Std Dev 27.03
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.00659
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

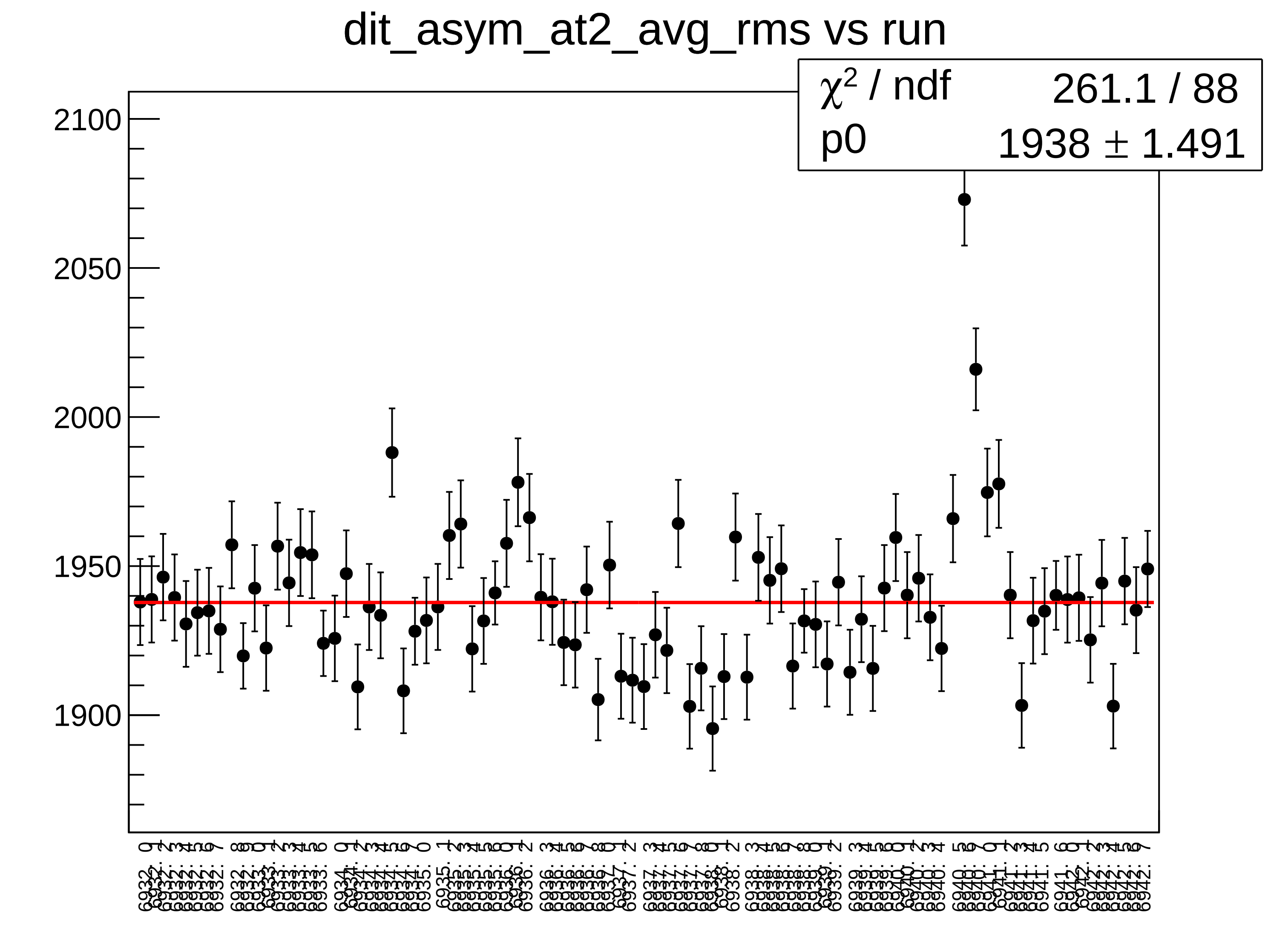


asym_at1_dd_rms vs run
χ^2 / ndf 2.377e+04 / 88
p0 1903 ± 1.474
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

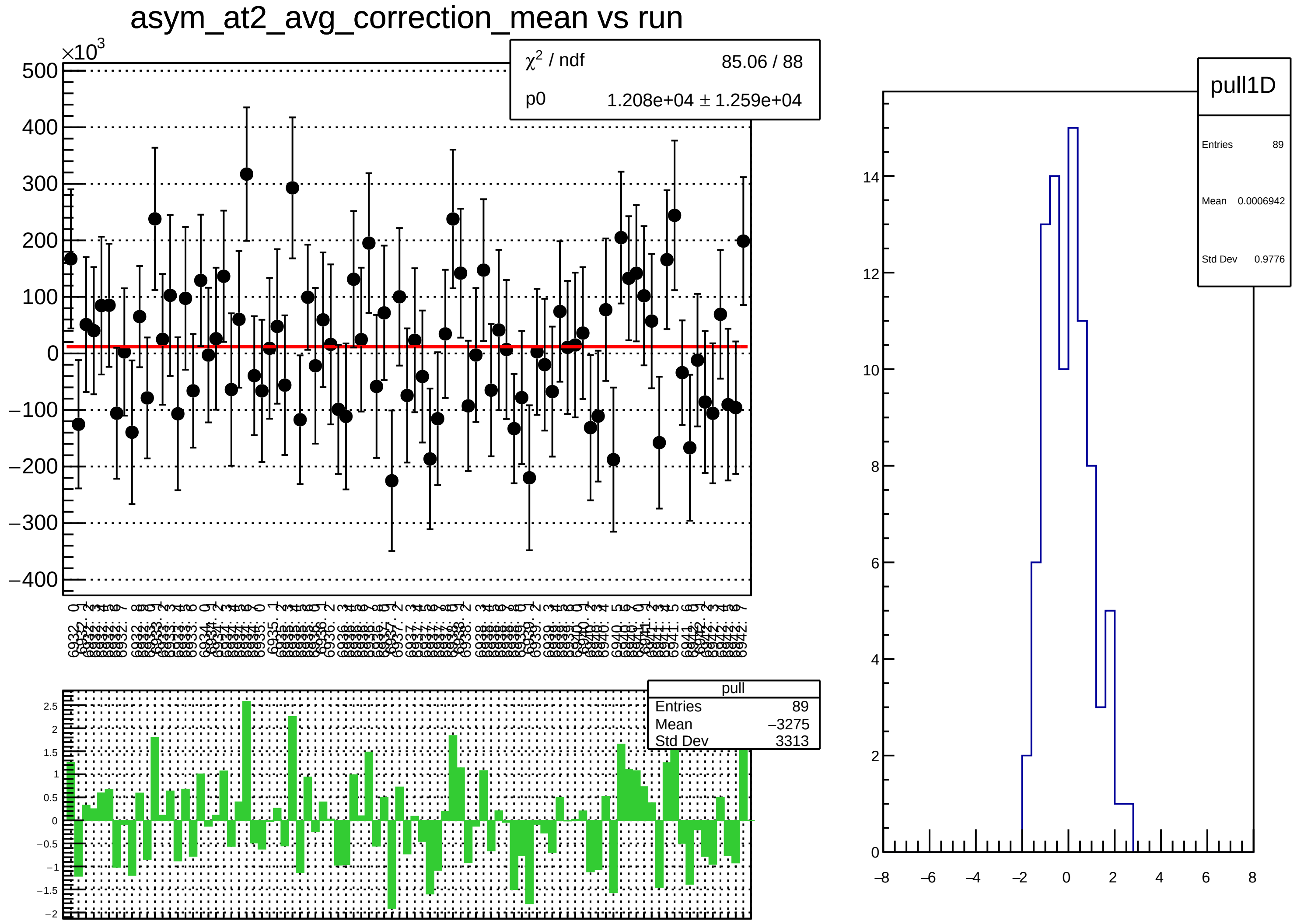
dit_asym_at2_avg_mean vs run

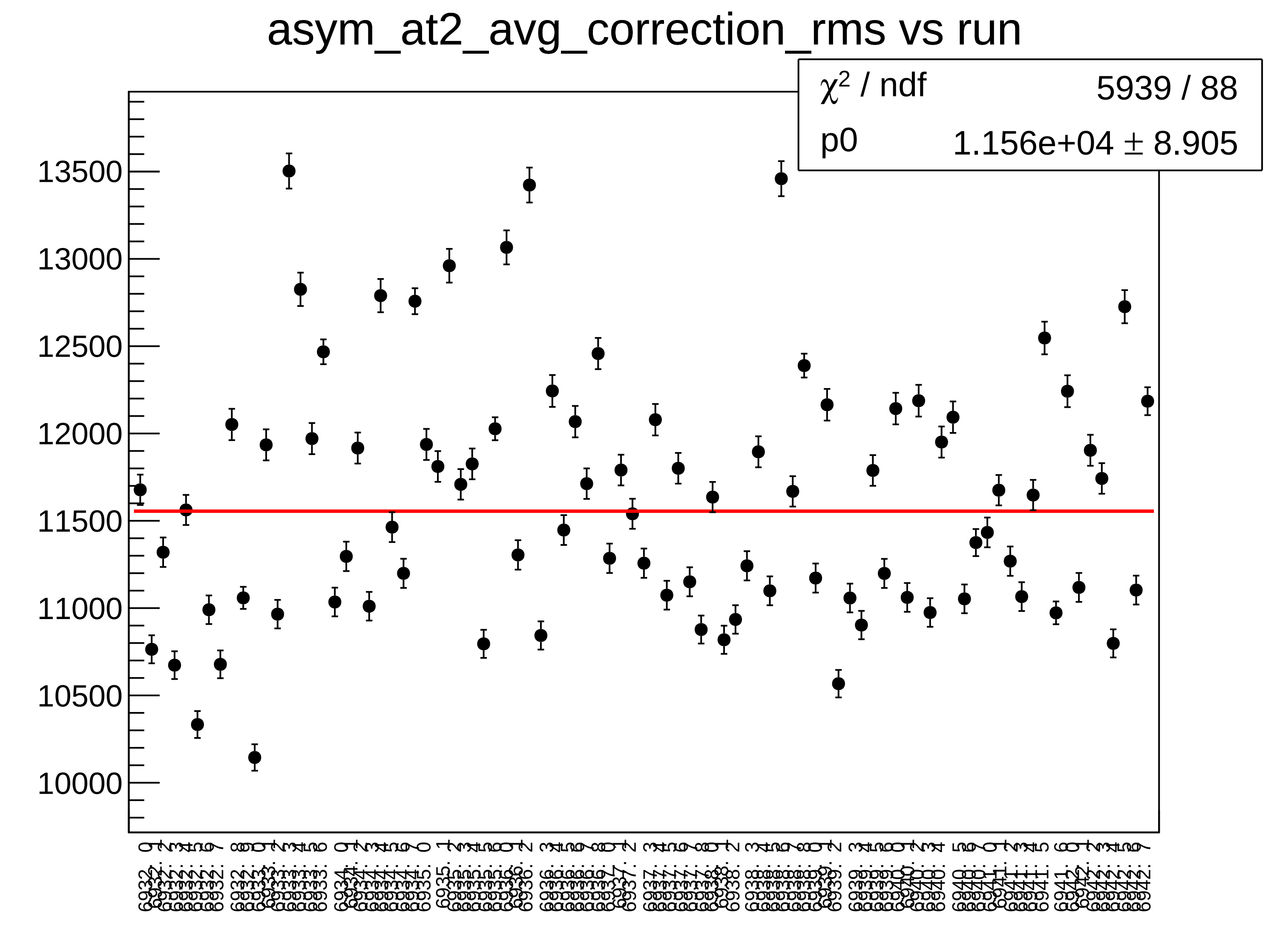


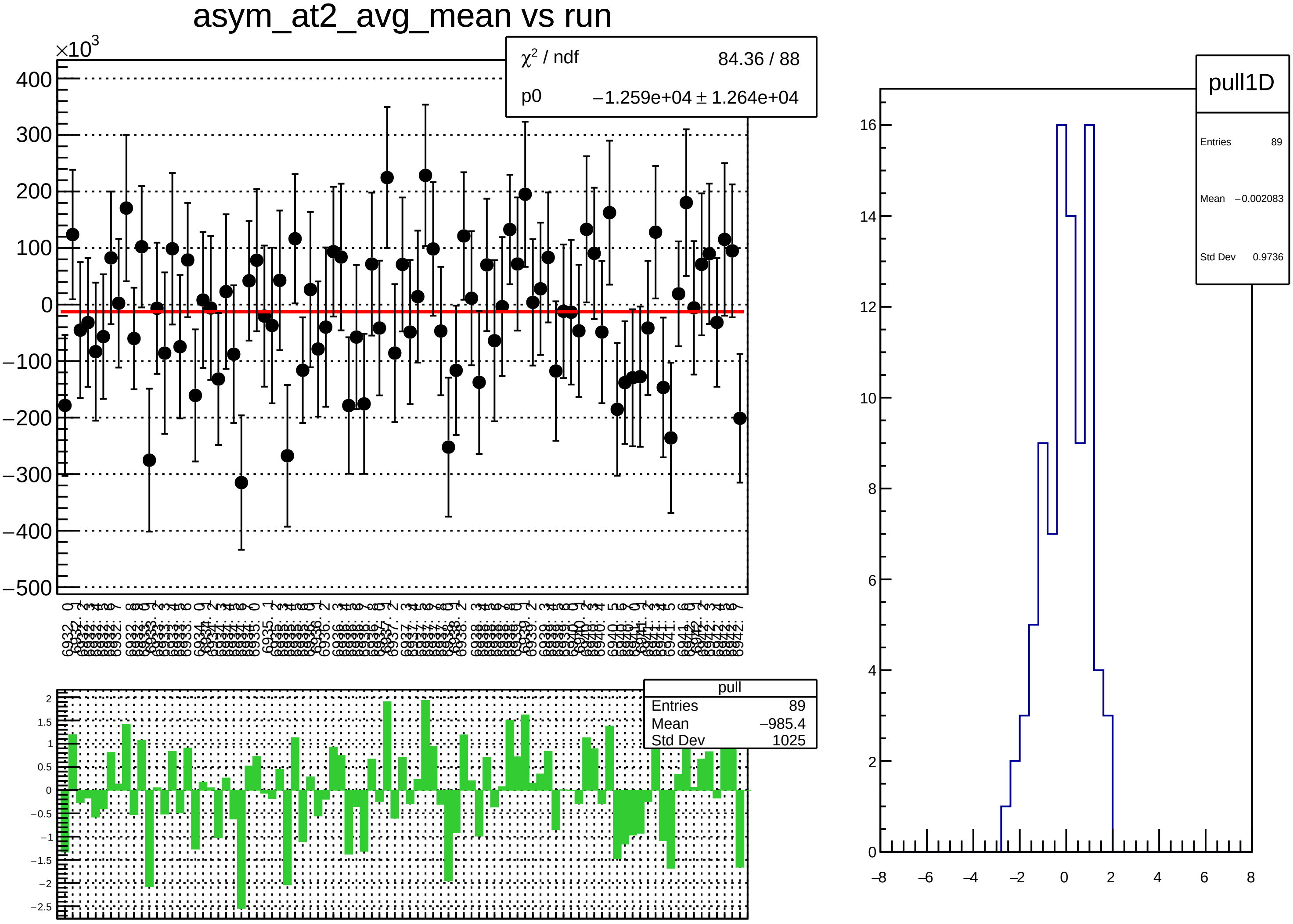


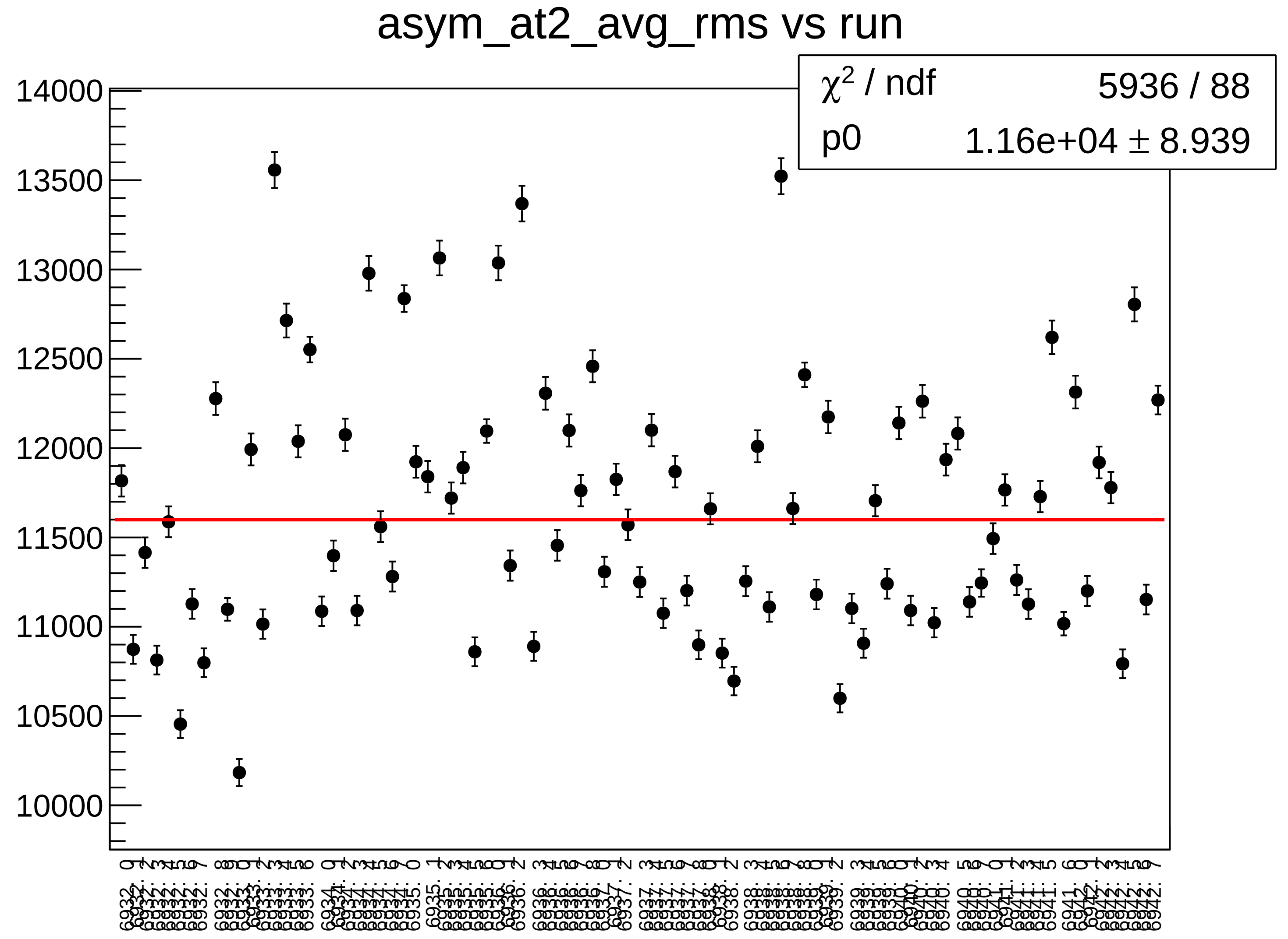


dit_asym_at2_avg_rms vs run
χ^2 / ndf 261.1 / 88
p0 1938 ± 1.491
2100
2050
2000
1950
1900

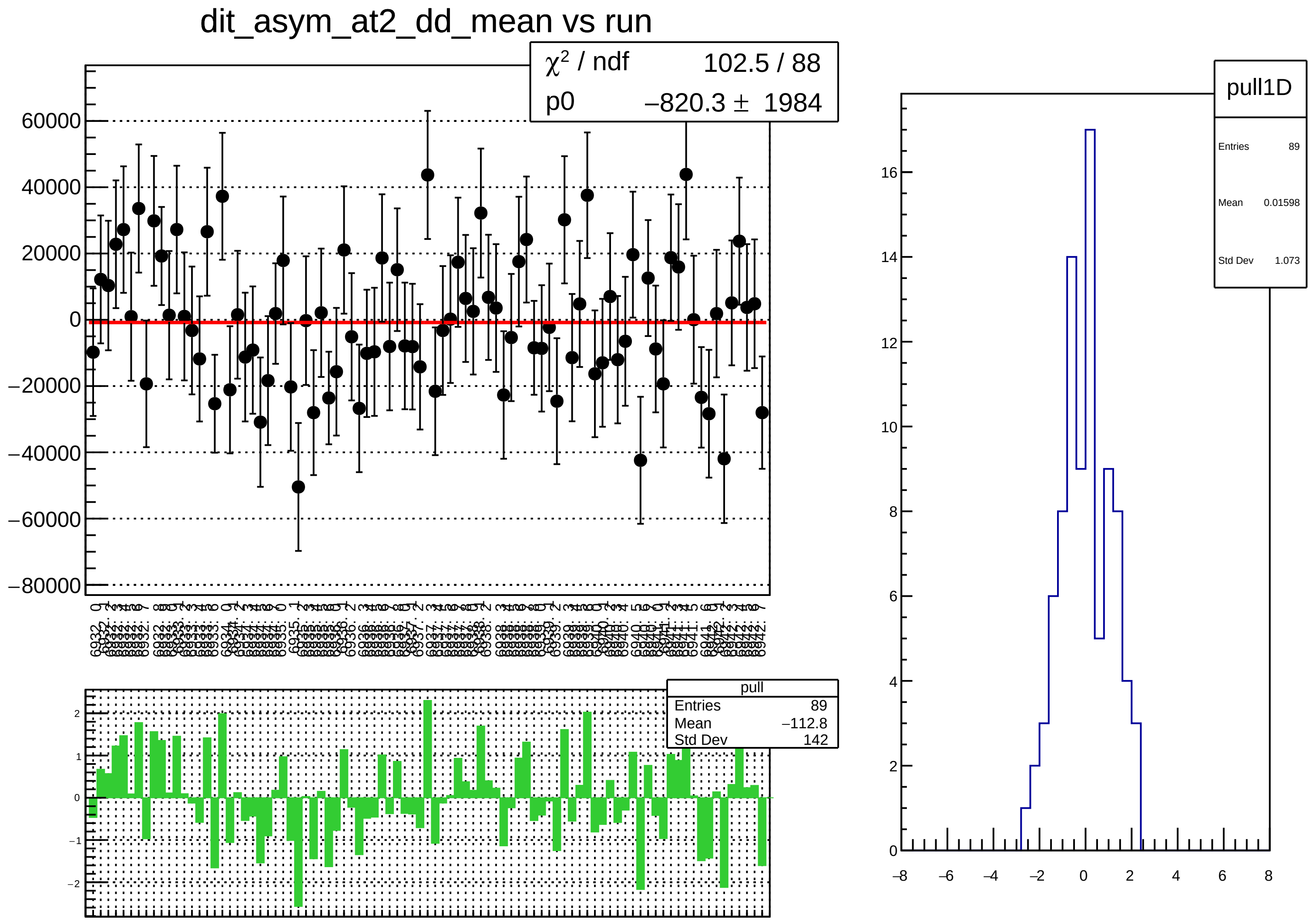

asym_at2_avg_correction_mean vs run
×10^3
χ2 / ndf 85.06 / 88
p0 1.208e+04 ± 1.259e+04
pull
Entries 89
Mean −3275
Std Dev 3313
pull1D
Entries 89
Mean 0.0006942
Std Dev 0.9776

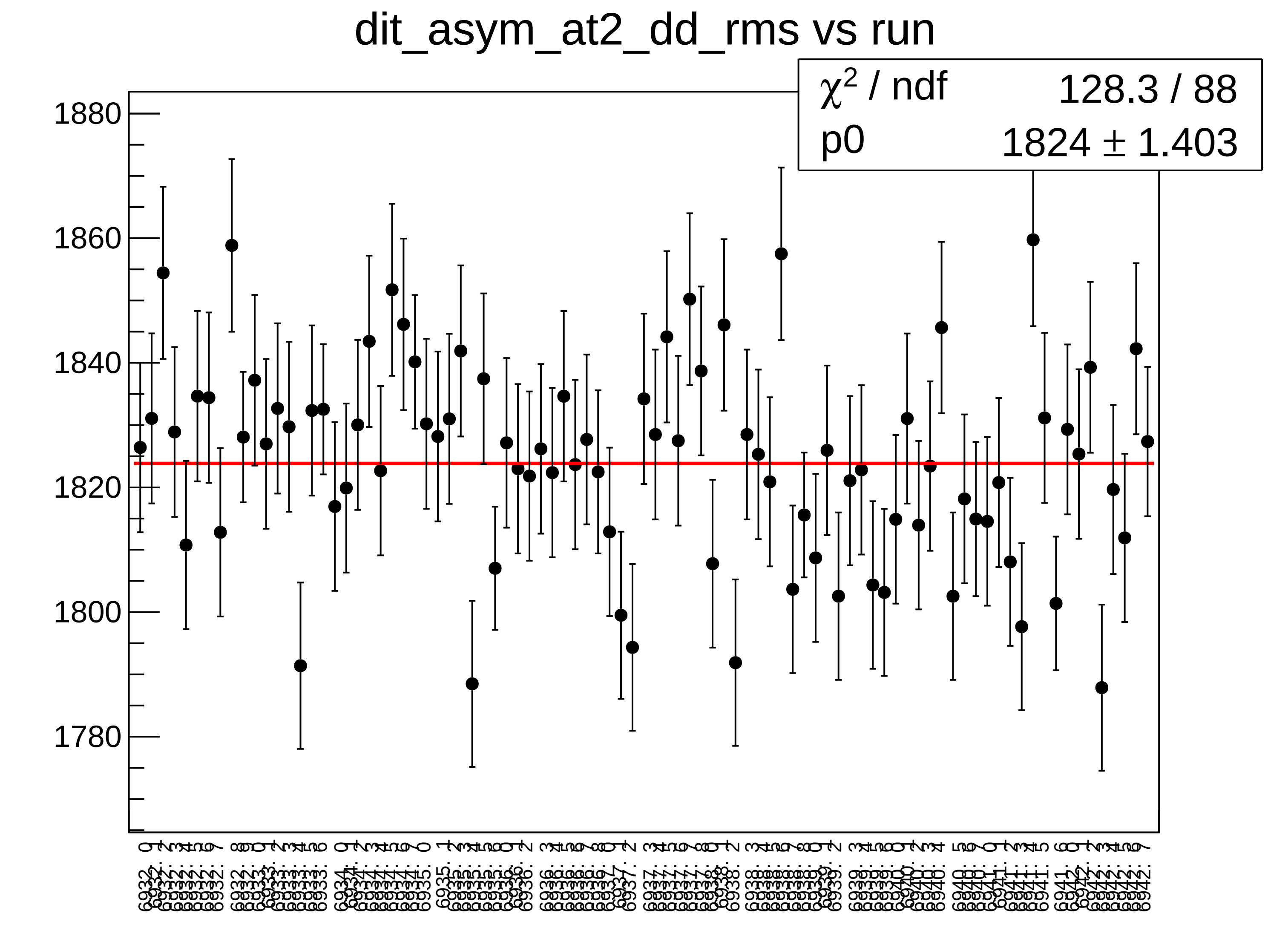

asym_at2_avg_correction_rms vs run
χ2 / ndf 5939 / 88
p0 1.156e+04 ± 8.905
13500
13000
12500
12000
11500
11000
10500
10000


asym_at2_avg_mean vs run
χ^2 / ndf 84.36 / 88
p0 −1.259e+04 ± 1.264e+04
×10^3
pull
Entries 89
Mean −985.4
Std Dev 1025
pull1D
Entries 89
Mean −0.002083
Std Dev 0.9736

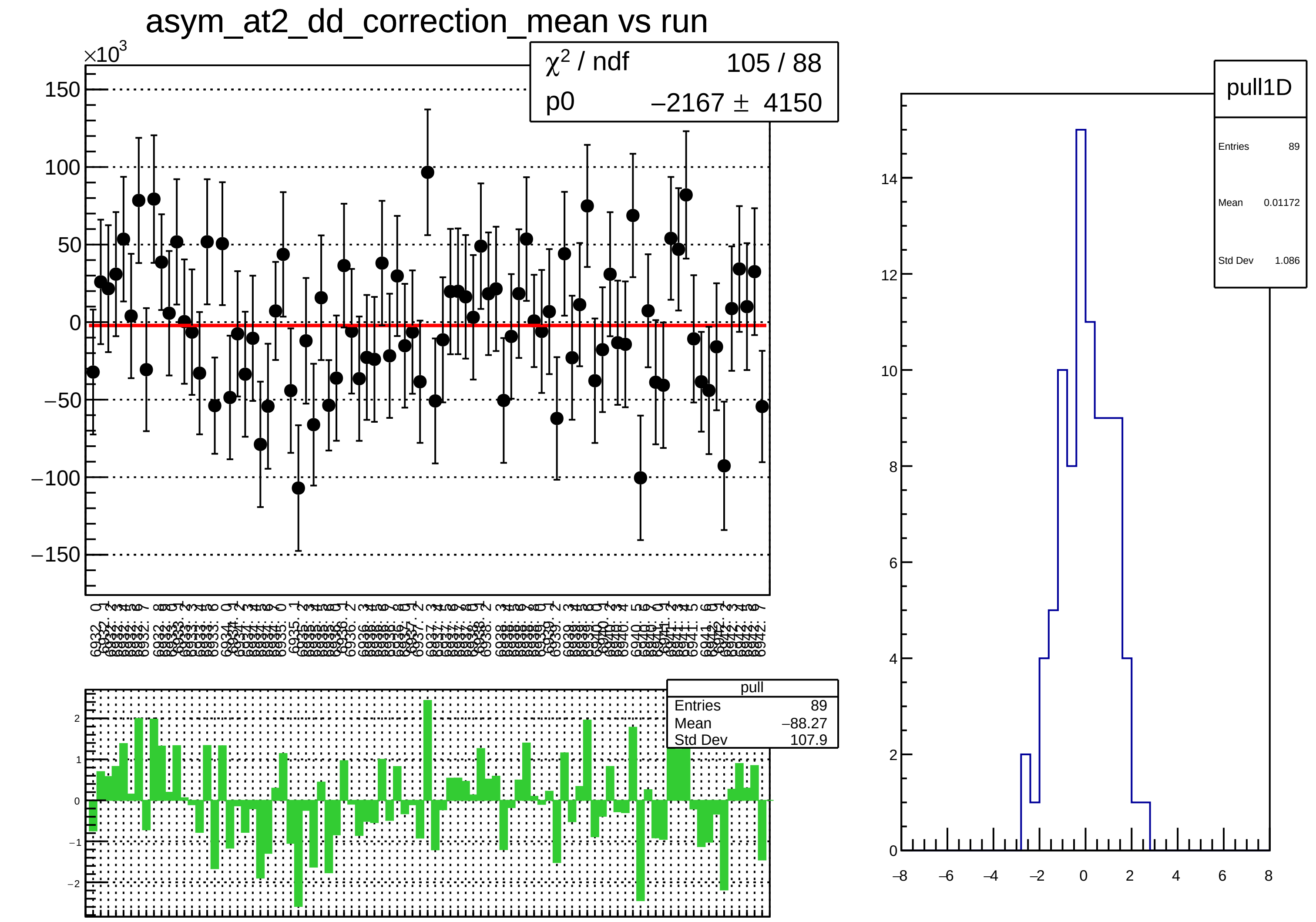


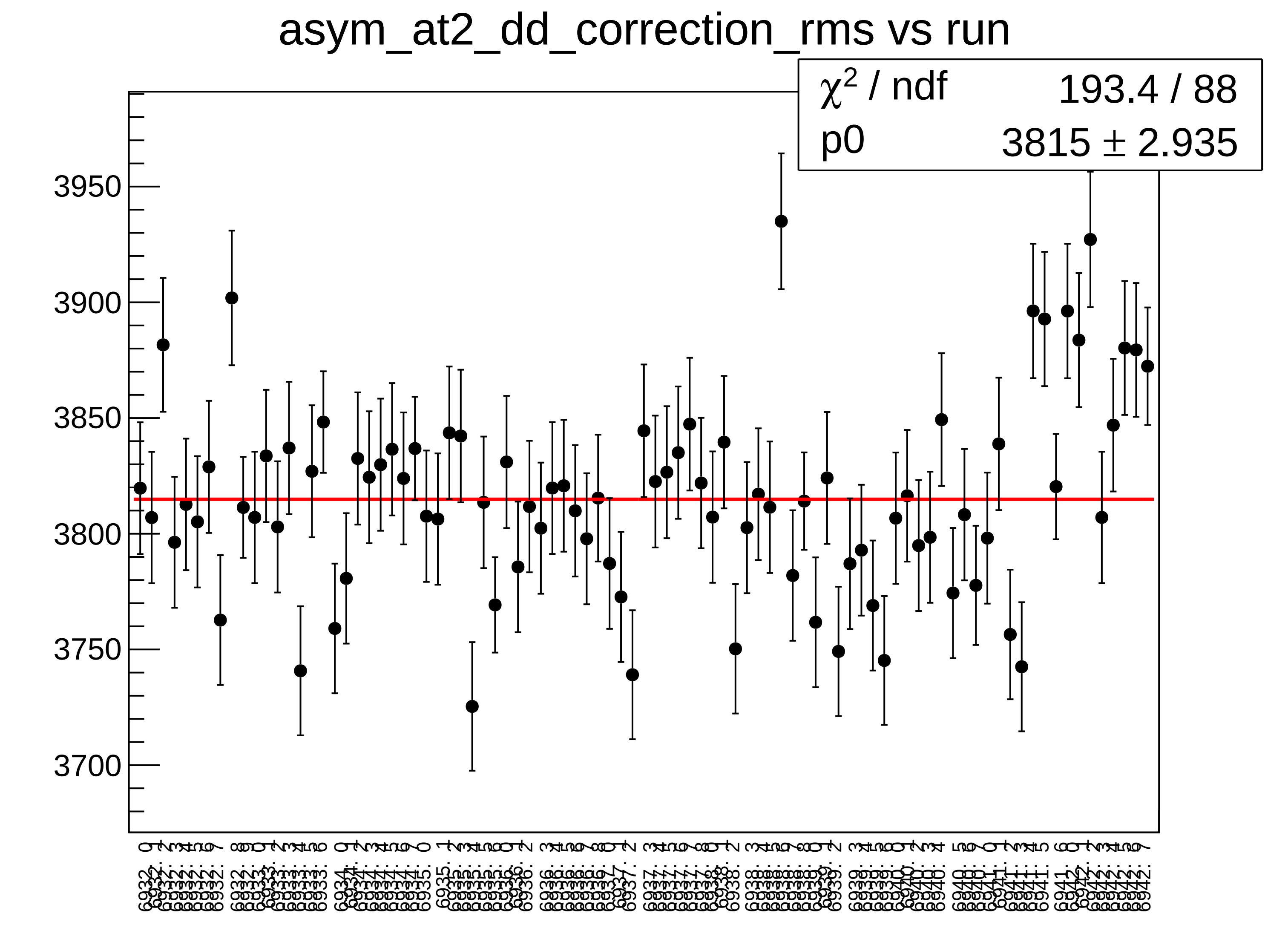
asym_at2_avg_rms vs run
χ2 / ndf 5936 / 88
p0 1.16e+04 ± 8.939
14000
13500
13000
12500
12000
11500
11000
10500
10000


dit_asym_at2_dd_mean vs run
χ² / ndf 102.5 / 88
p0 −820.3 ± 1984
pull
Entries 89
Mean −112.8
Std Dev 142
pull1D
Entries 89
Mean 0.01598
Std Dev 1.073

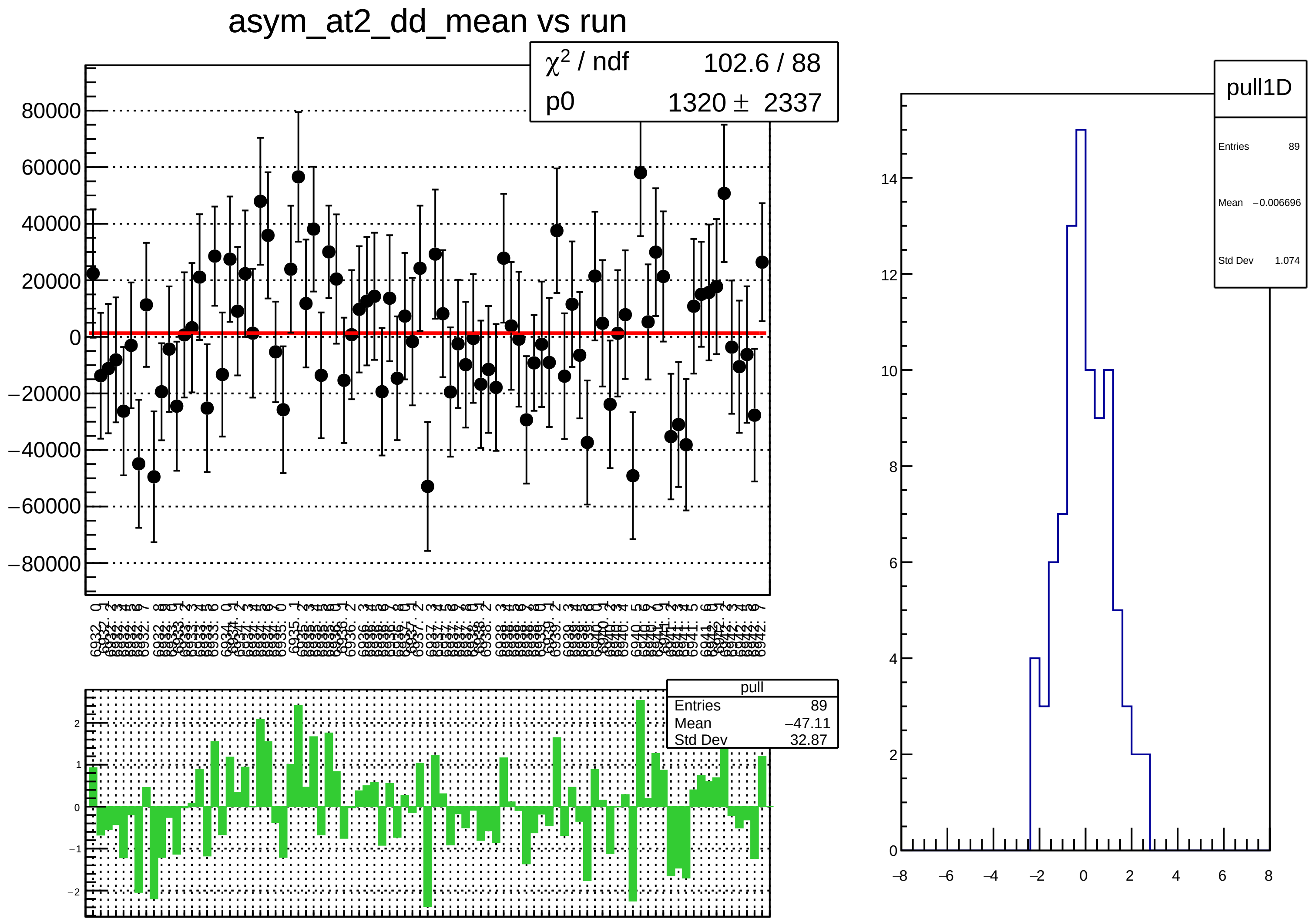


dit_asym_at2_dd_rms vs run
χ2 / ndf 128.3 / 88
p0 1824 ± 1.403
1880
1860
1840
1820
1800
1780

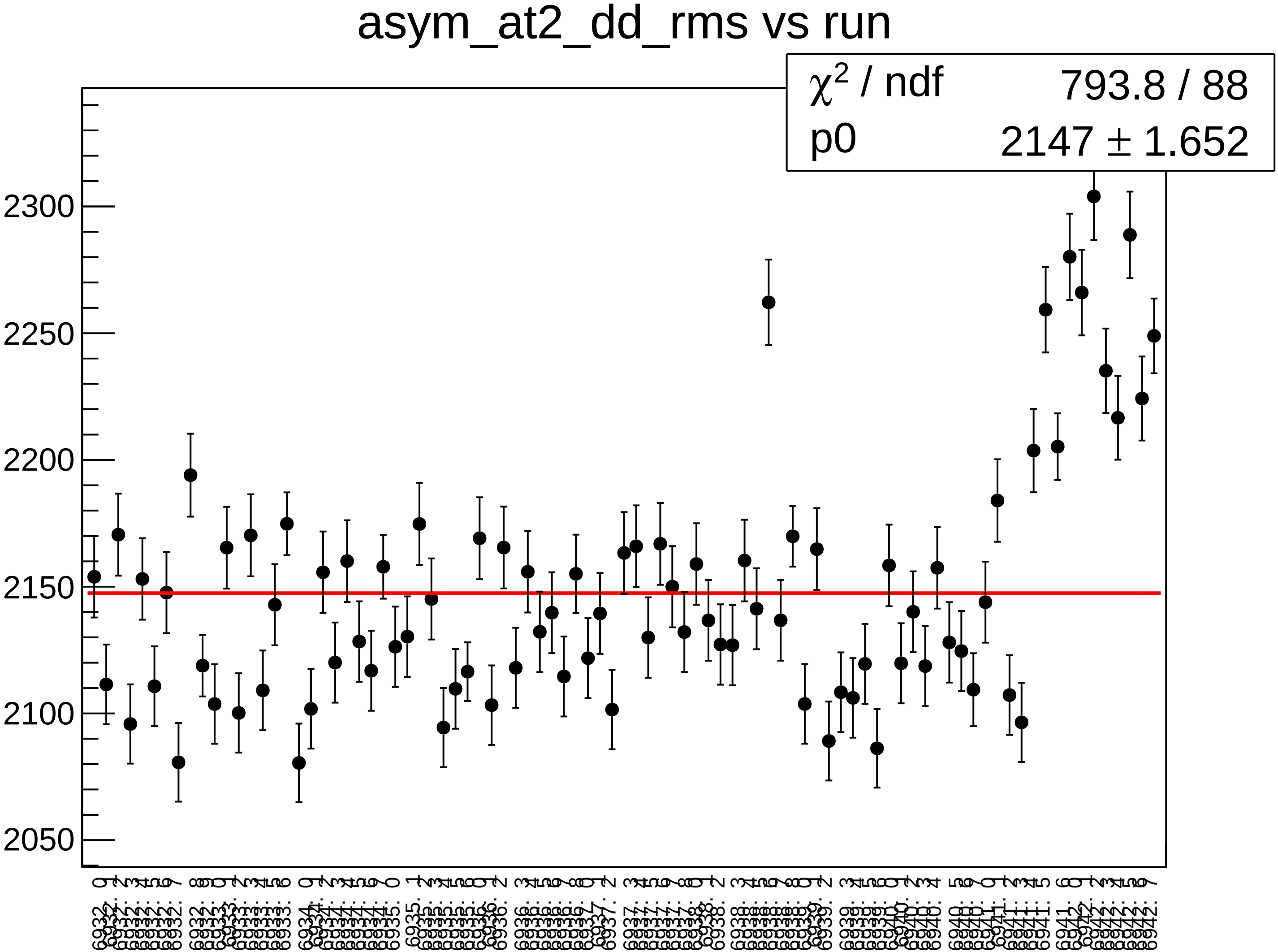

asym_at2_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 105 / 88
p0 −2167 ± 4150
pull
Entries 89
Mean −88.27
Std Dev 107.9
pull1D
Entries 89
Mean 0.01172
Std Dev 1.086

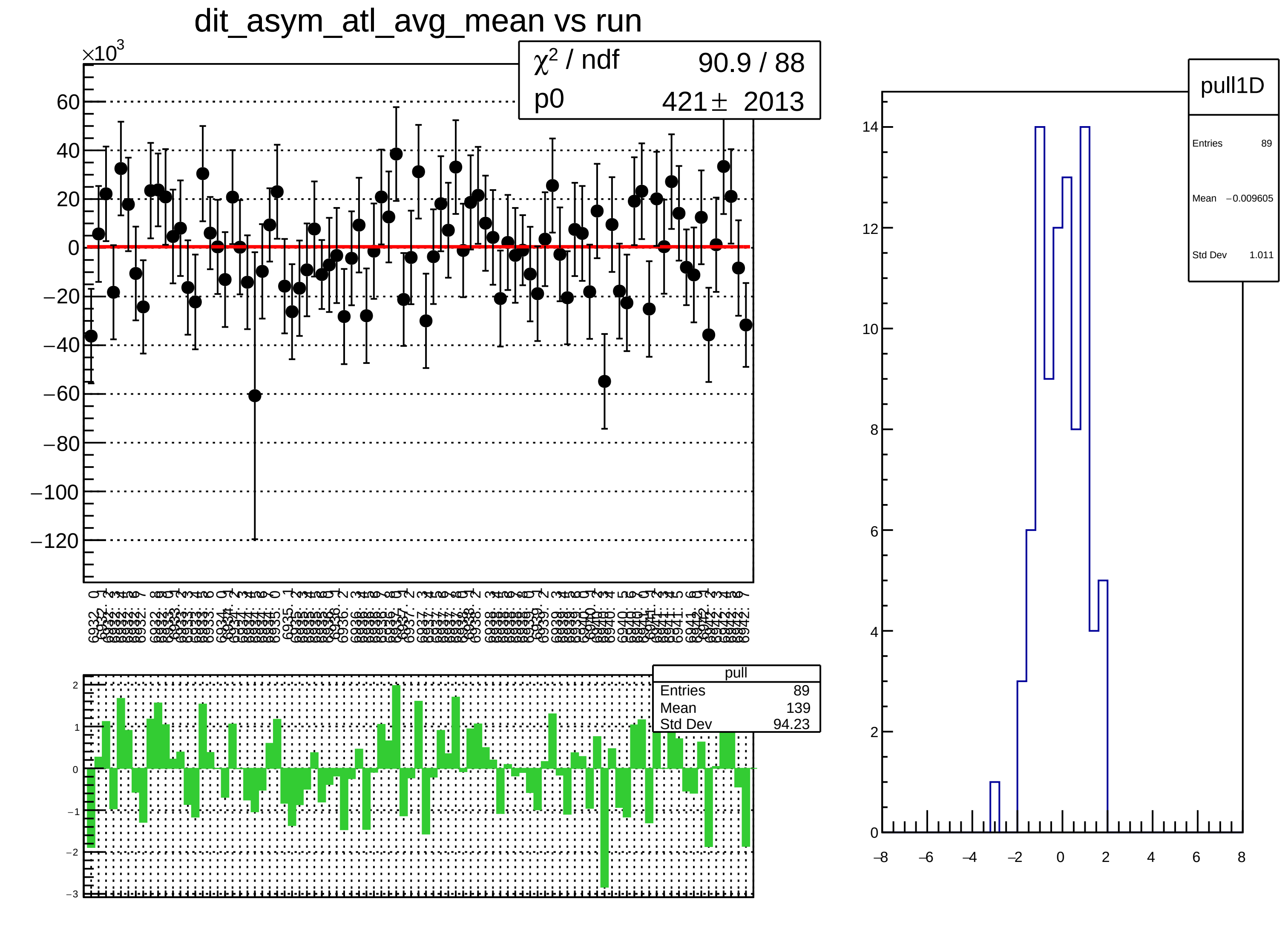


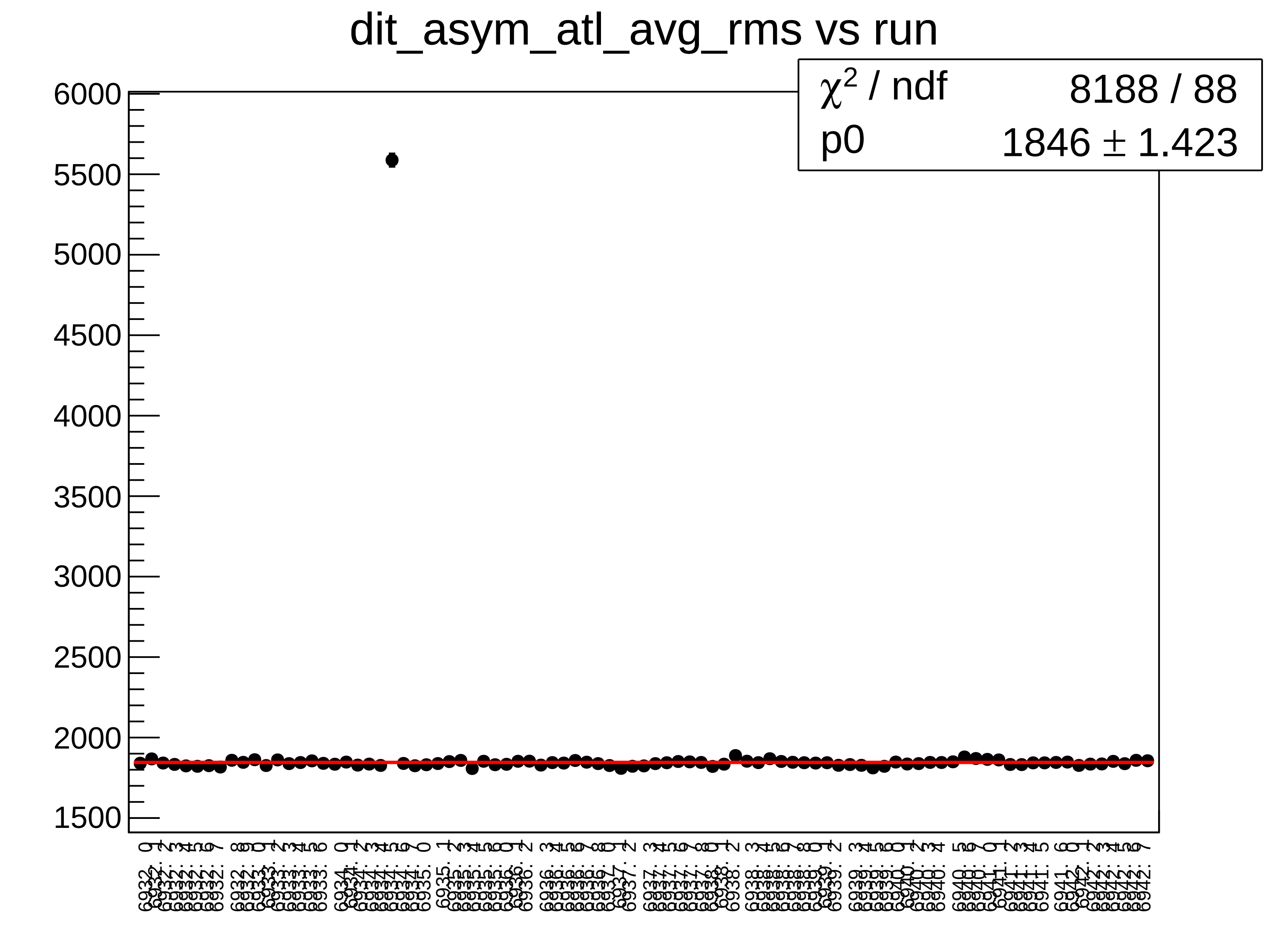
asym_at2_dd_correction_rms vs run
χ2 / ndf 193.4 / 88
p0 3815 ± 2.935
3950
3900
3850
3800
3750
3700

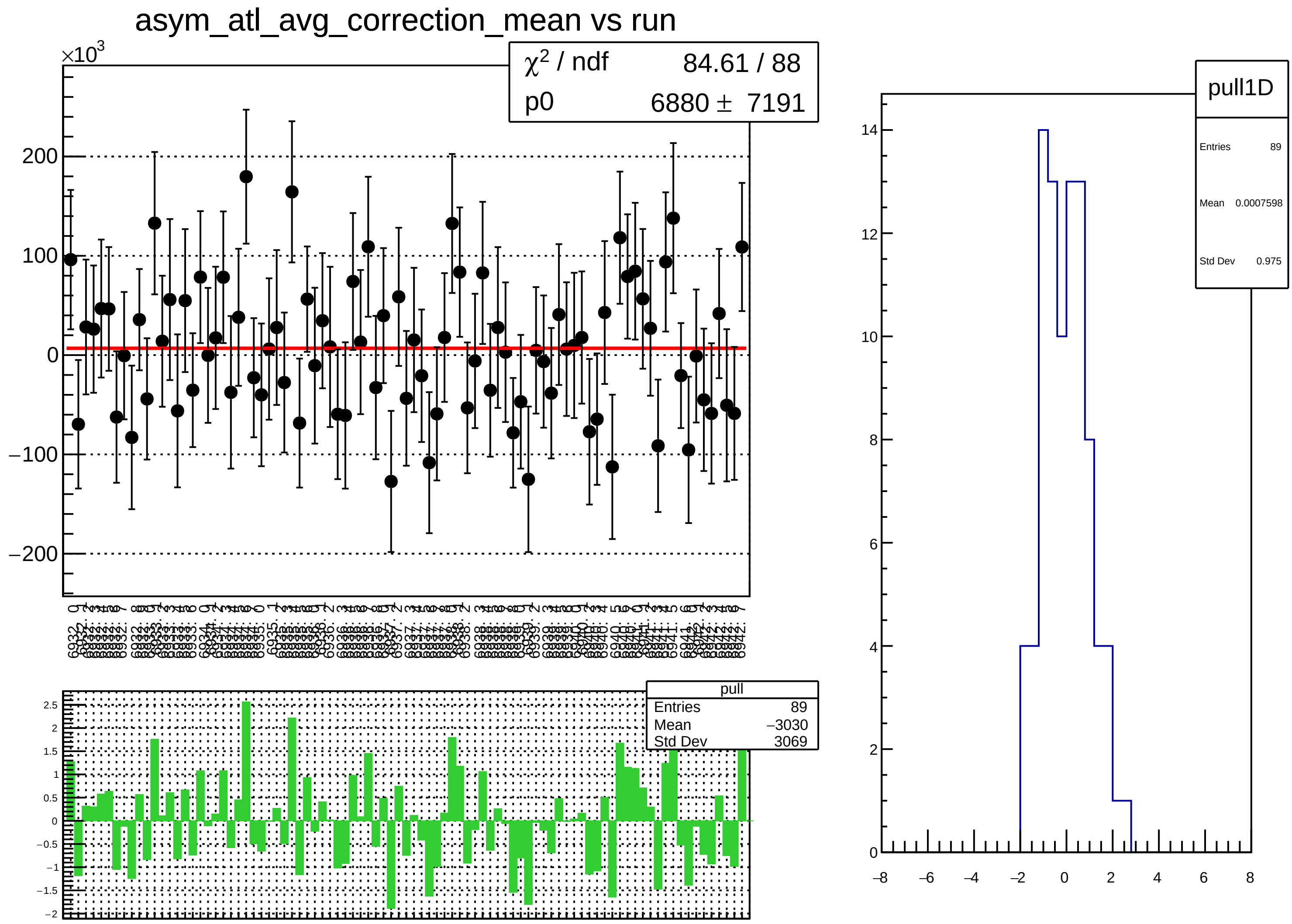


asym_at2_dd_mean vs run
χ^2 / ndf 102.6 / 88
p0 1320 ± 2337
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −47.11
Std Dev 32.87
pull1D
Entries 89
Mean −0.006696
Std Dev 1.074

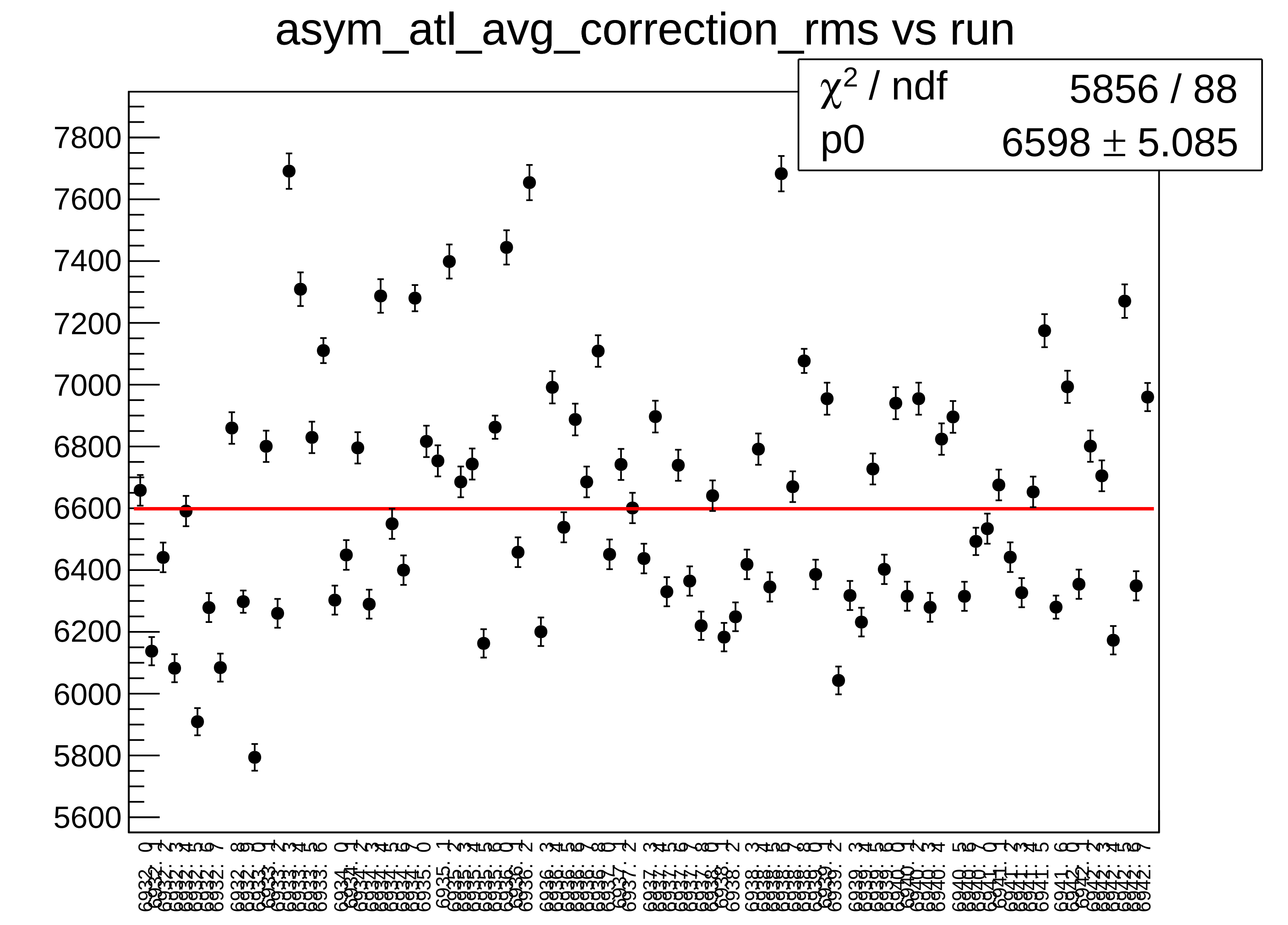

asym_at2_dd_rms vs run
χ2 / ndf 793.8 / 88
p0 2147 ± 1.652
2300
2250
2200
2150
2100
2050

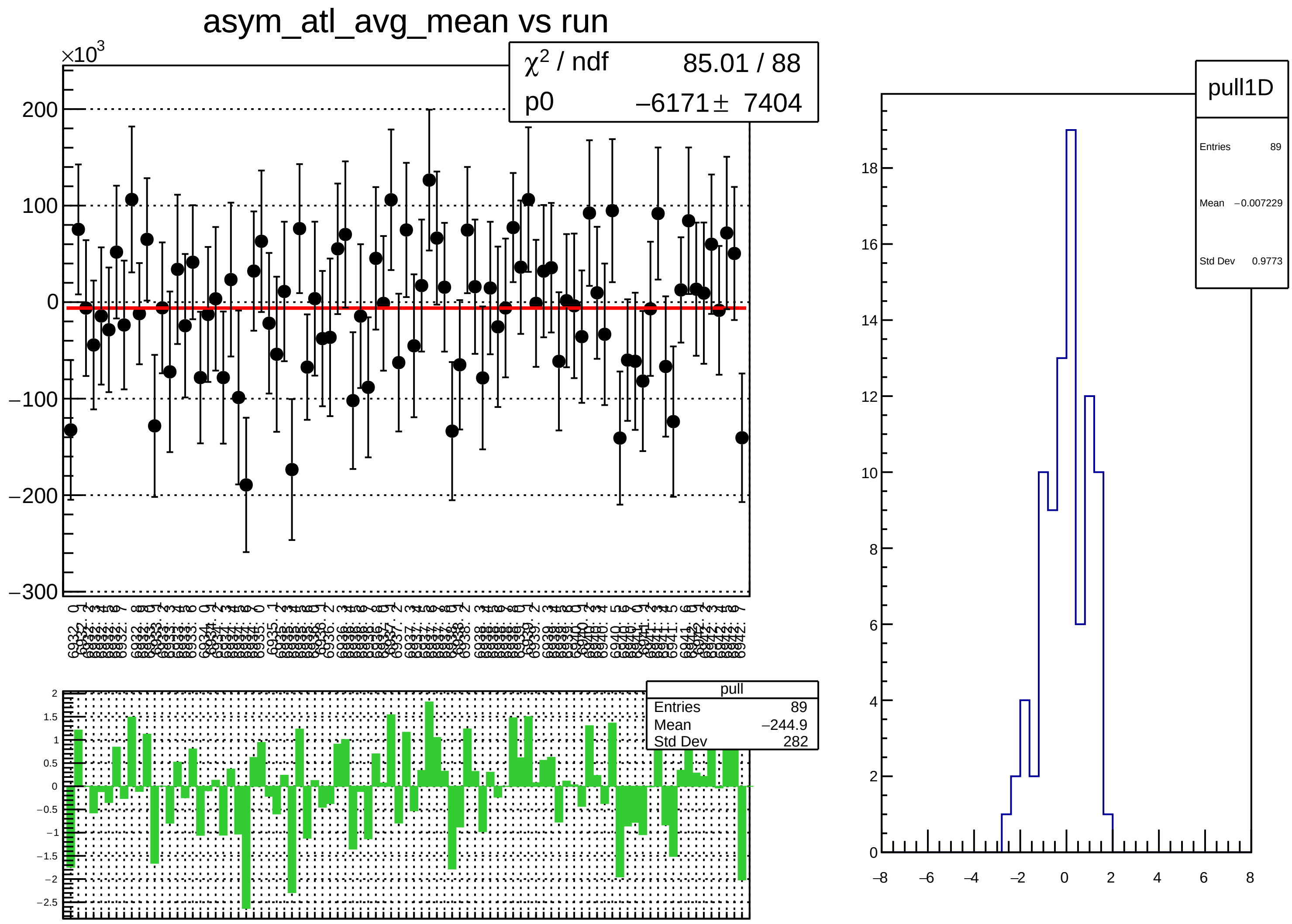

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 90.9 / 88
p0 421 ± 2013
pull
Entries 89
Mean 139
Std Dev 94.23
pull1D
Entries 89
Mean −0.009605
Std Dev 1.011


dit_asym_atl_avg_rms vs run
χ2 / ndf 8188 / 88
p0 1846 ± 1.423
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

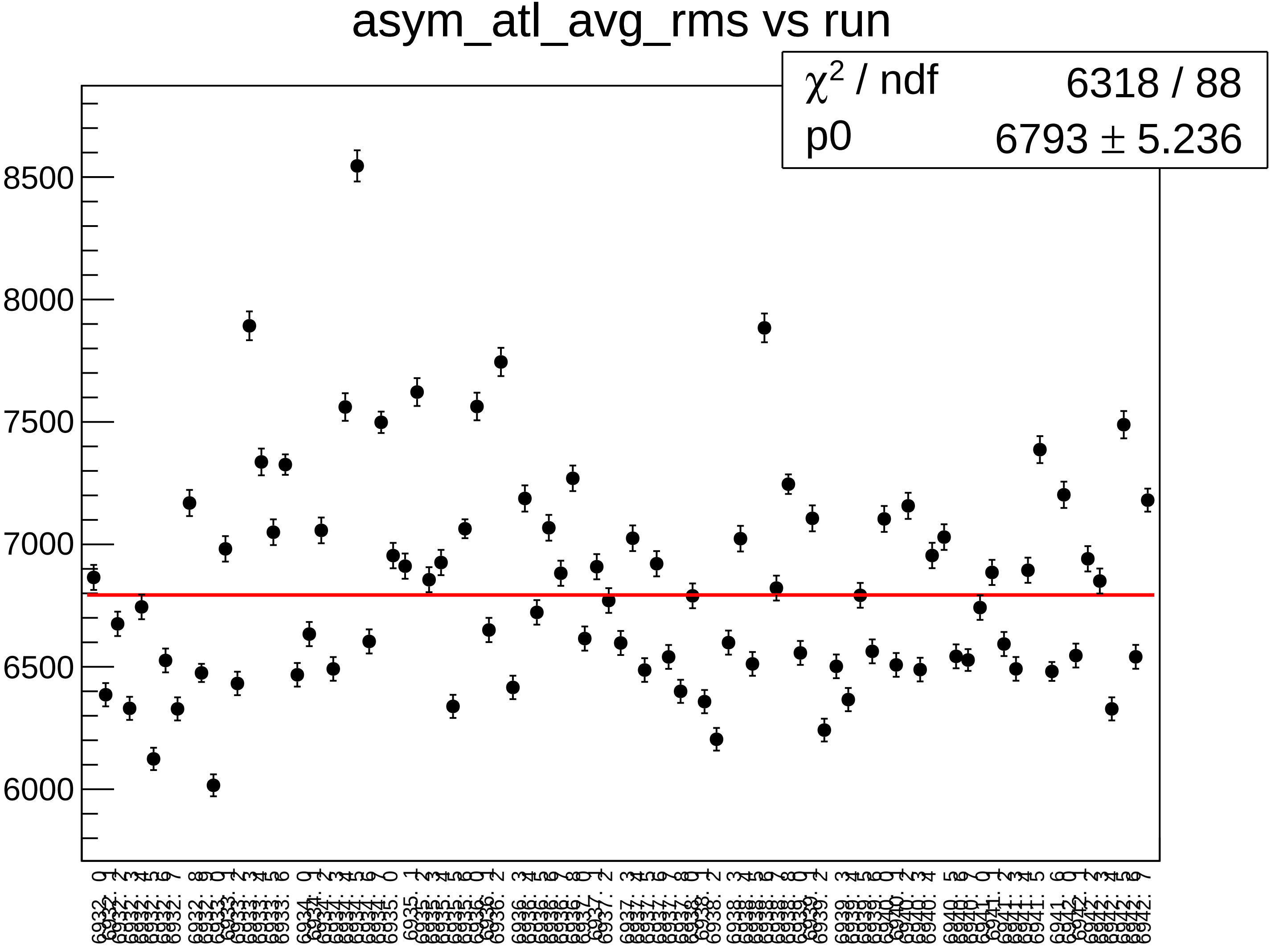


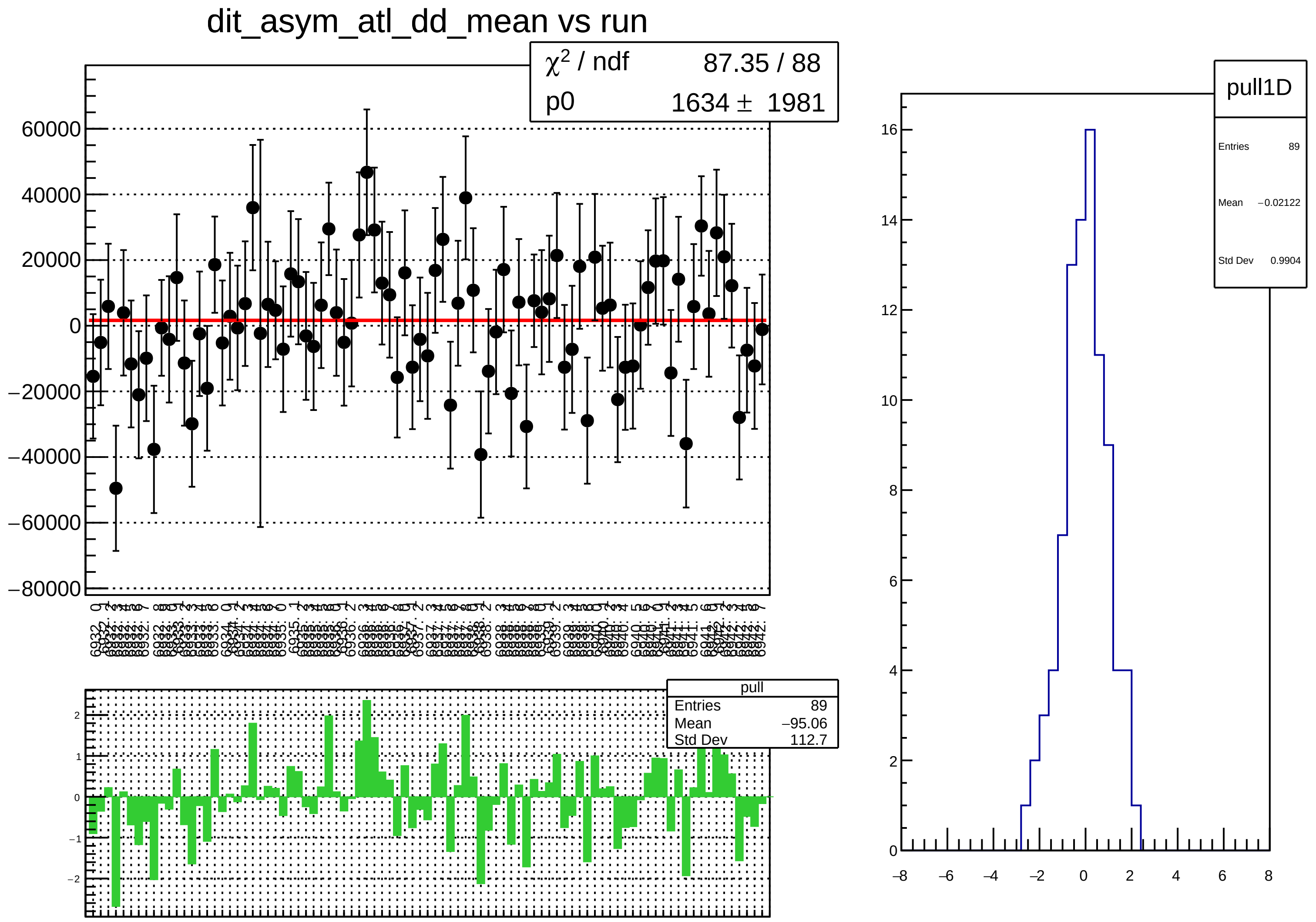
asym_atl_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 84.61 / 88
p0 6880 ± 7191
pull
Entries 89
Mean −3030
Std Dev 3069
pull1D
Entries 89
Mean 0.0007598
Std Dev 0.975


asym_atl_avg_correction_rms vs run
χ^2 / ndf 5856 / 88
p0 6598 ± 5.085
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600



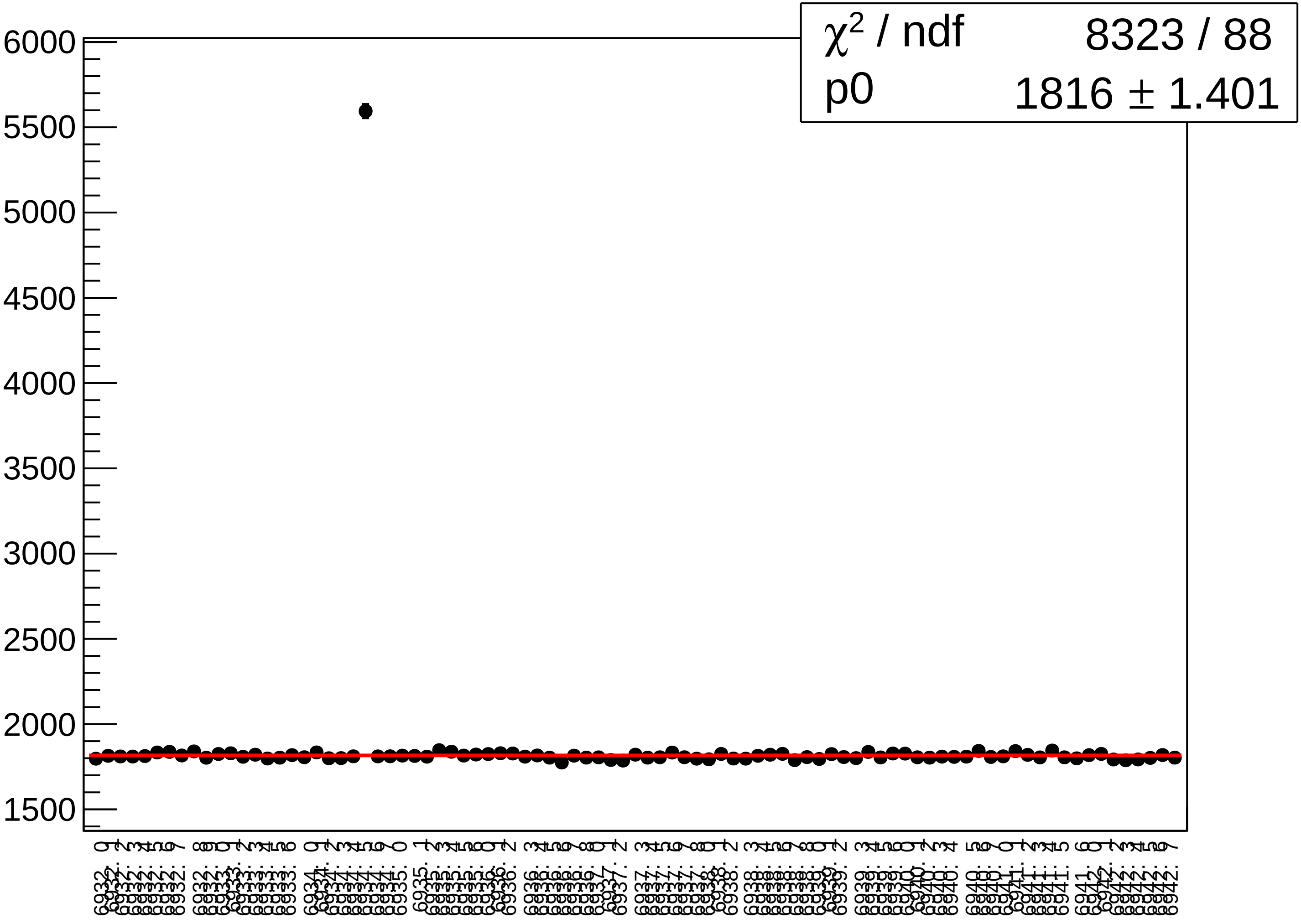
asym_atl_avg_mean vs run
χ^2 / ndf 85.01 / 88
p0 −6171 ± 7404
pull
Entries 89
Mean −244.9
Std Dev 282
pull1D
Entries 89
Mean −0.007229
Std Dev 0.9773

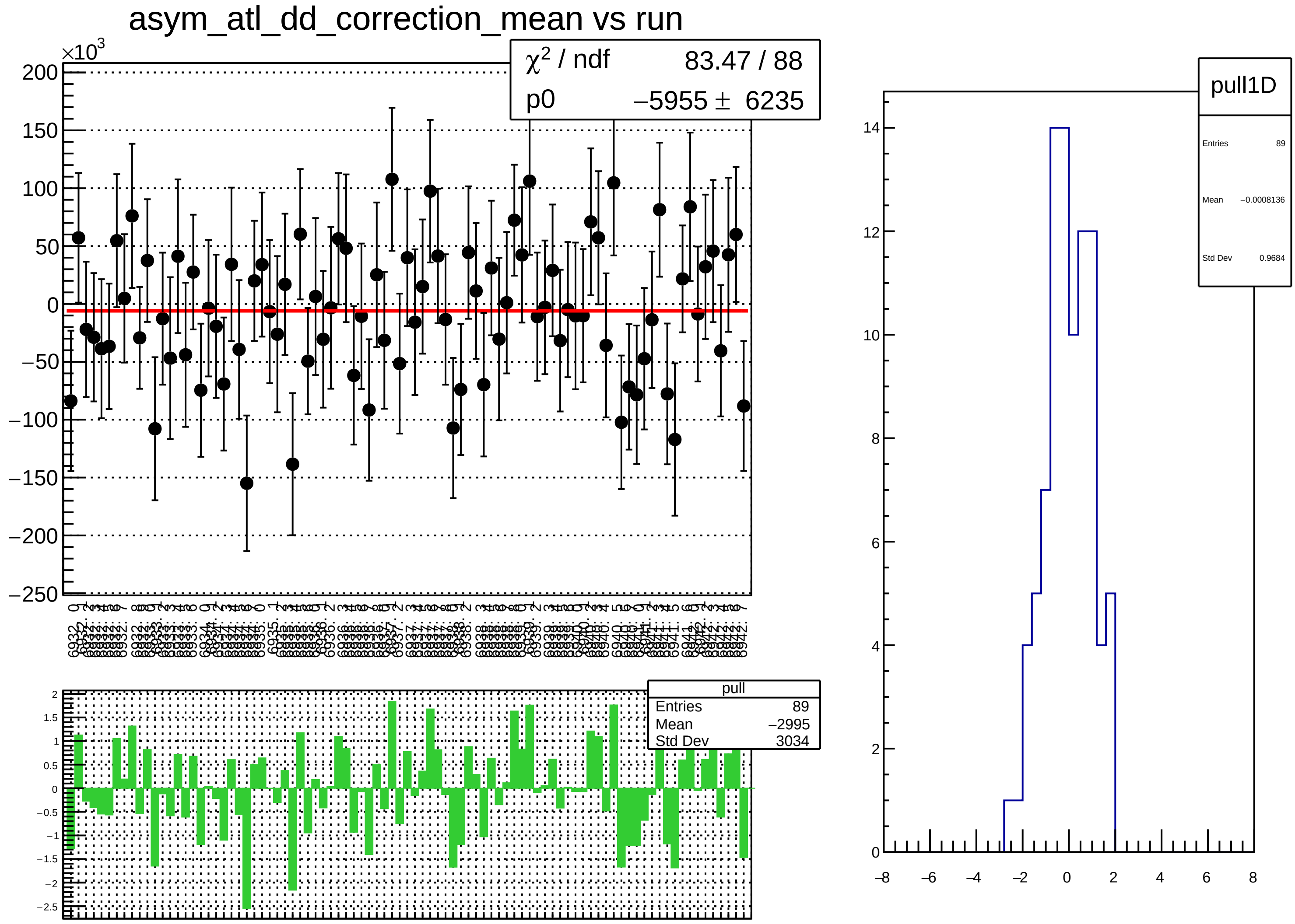

asym_atl_avg_rms vs run
χ² / ndf 6318 / 88
p0 6793 ± 5.236
8500
8000
7500
7000
6500
6000

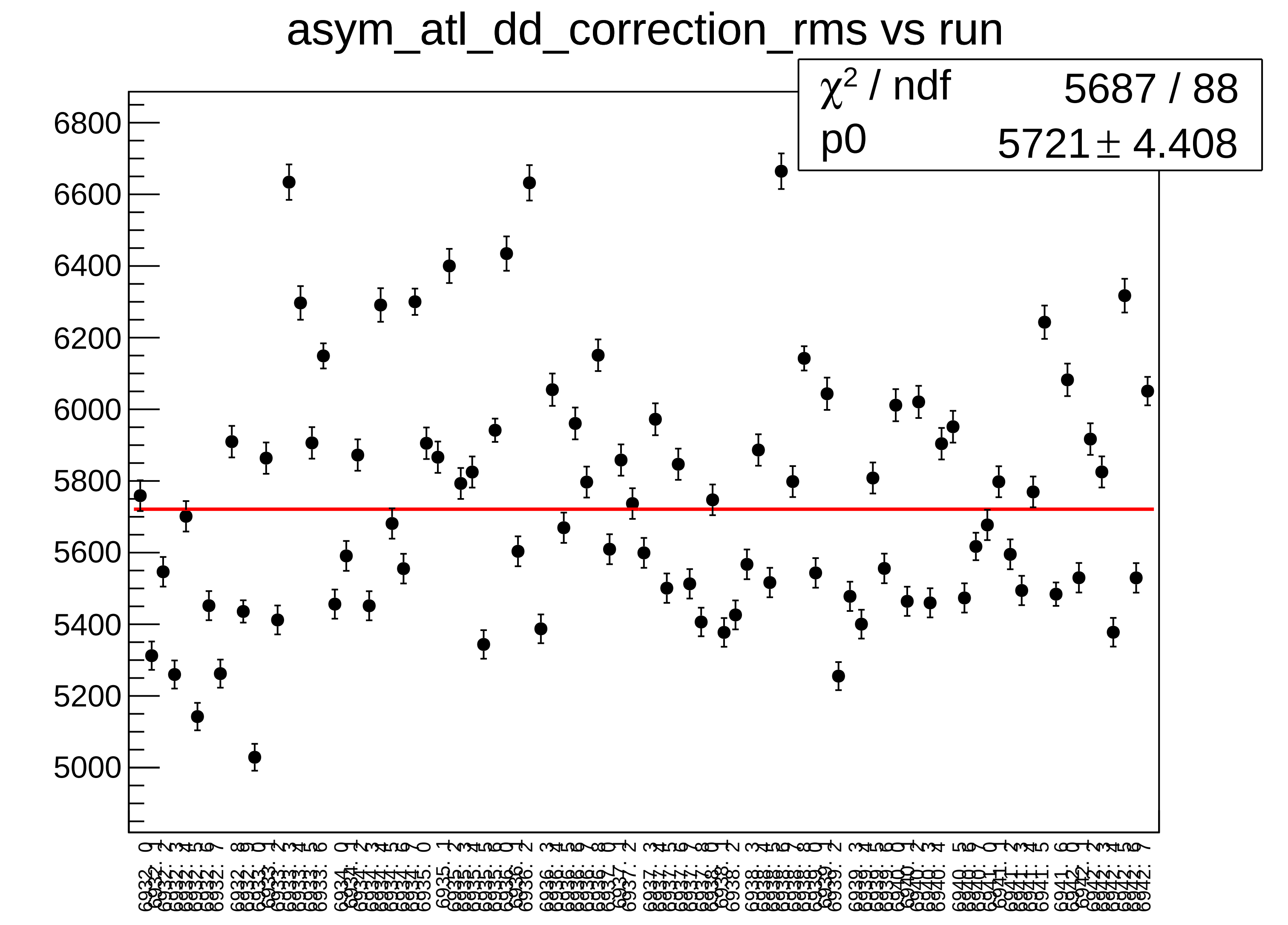


dit_asym_atl_dd_mean vs run
χ^2 / ndf 87.35 / 88
p0 1634 ± 1981
pull
Entries 89
Mean −95.06
Std Dev 112.7
pull1D
Entries 89
Mean −0.02122
Std Dev 0.9904

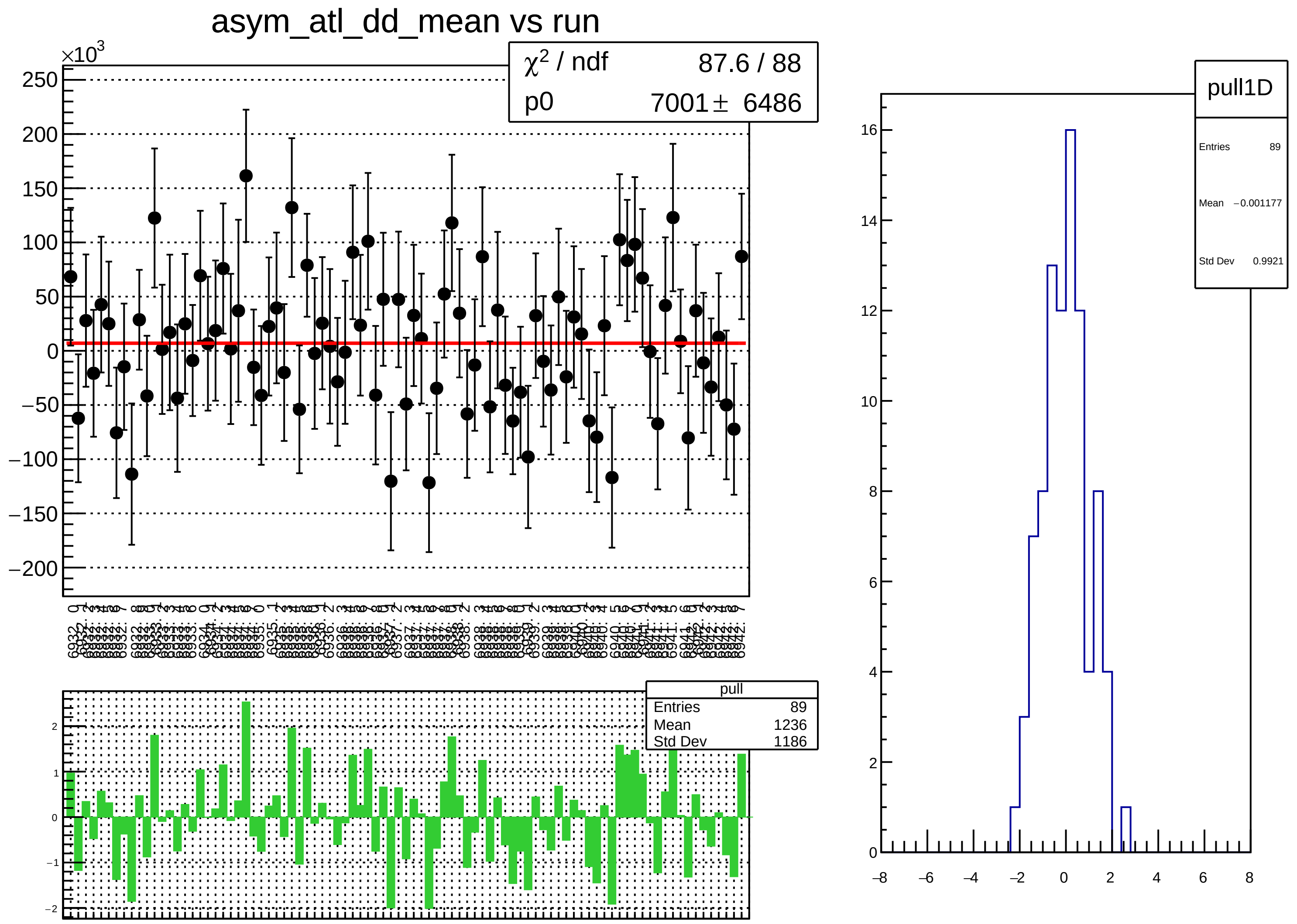
dit_asym_atl_dd_rms vs run



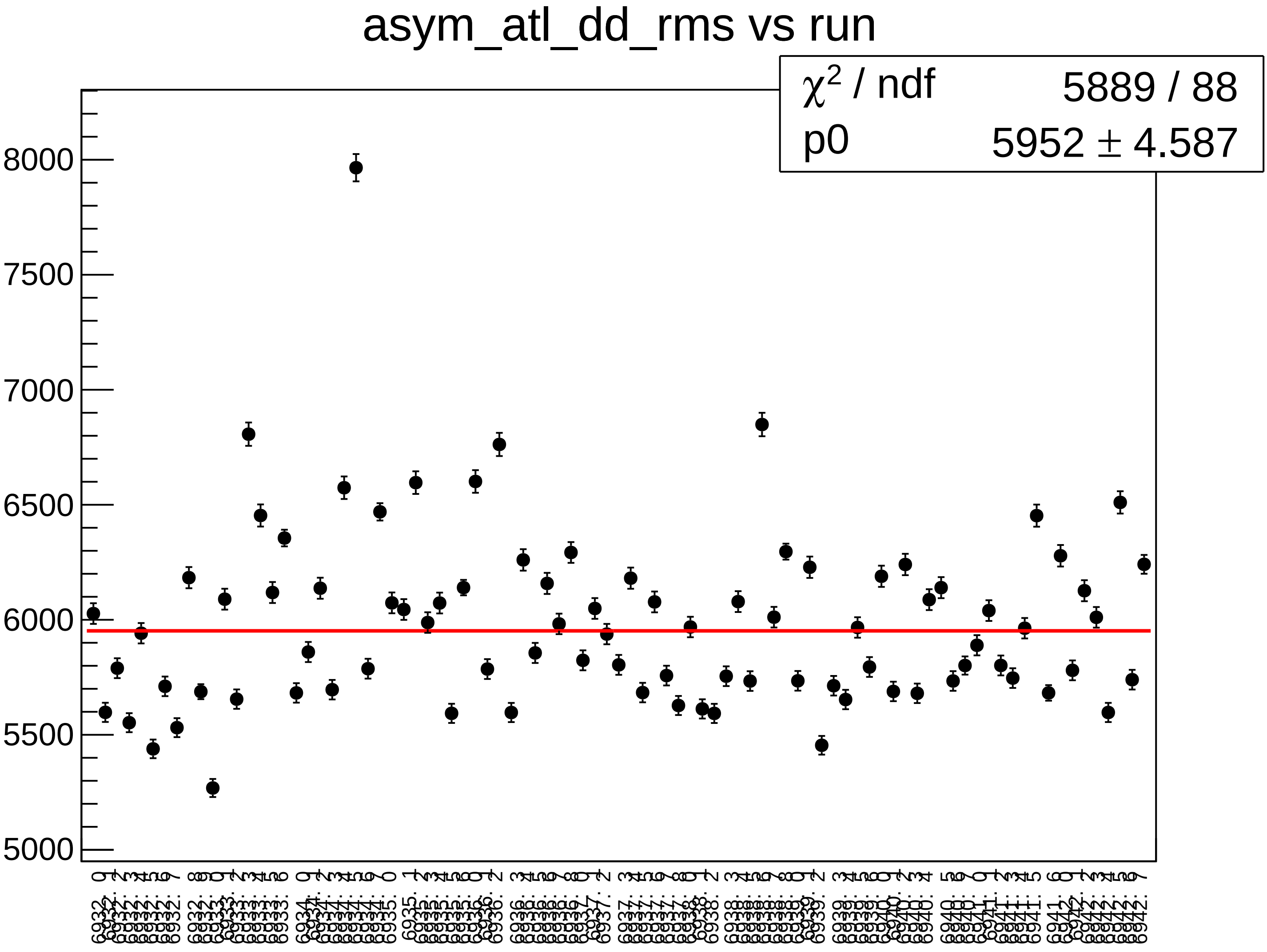

asym_atl_dd_correction_mean vs run
×10^3
χ2 / ndf 83.47 / 88
p0 −5955 ± 6235
pull
Entries 89
Mean −2995
Std Dev 3034
pull1D
Entries 89
Mean −0.0008136
Std Dev 0.9684

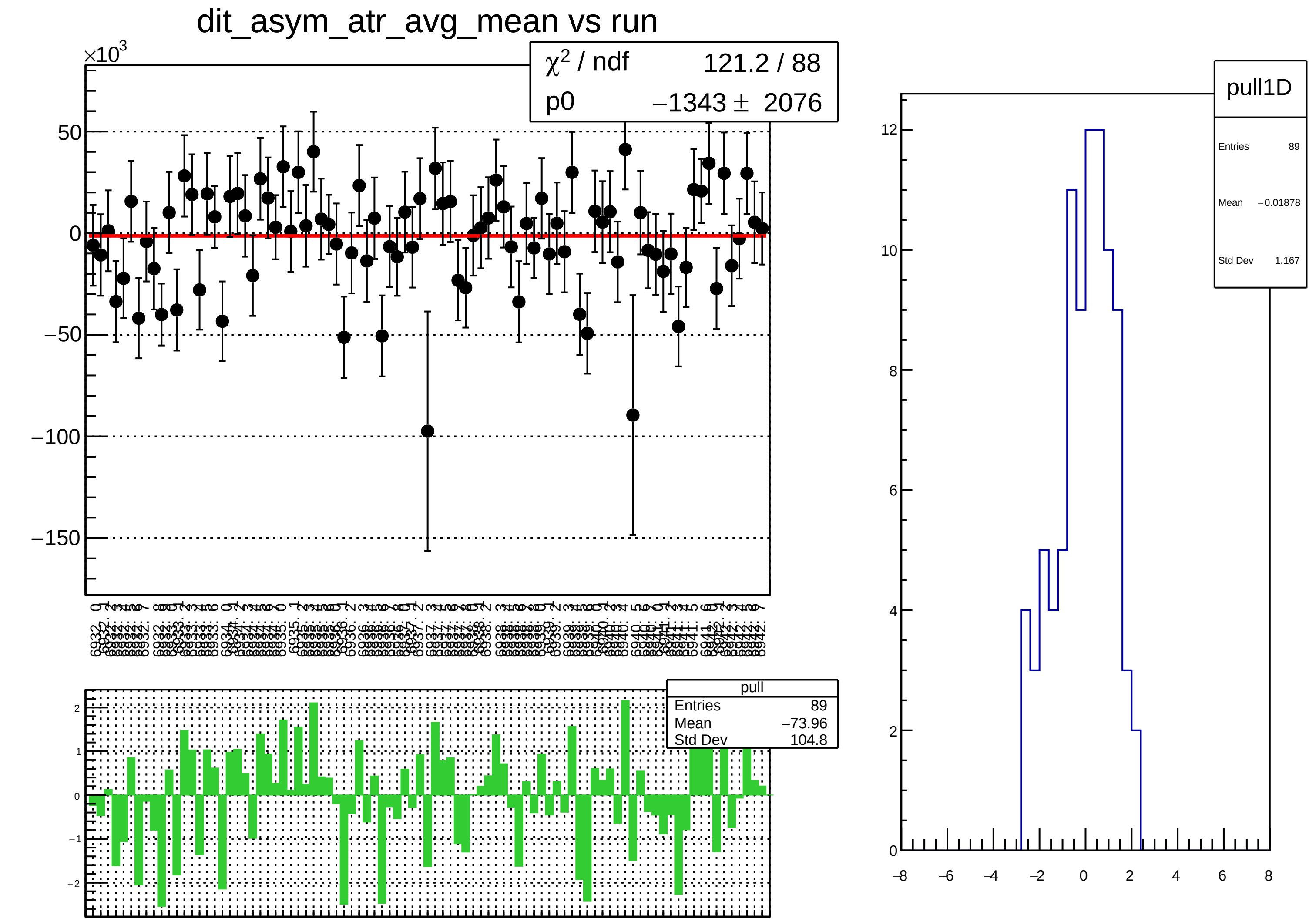


asym_atl_dd_correction_rms vs run
χ^2 / ndf 5687 / 88
p0 5721 ± 4.408
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

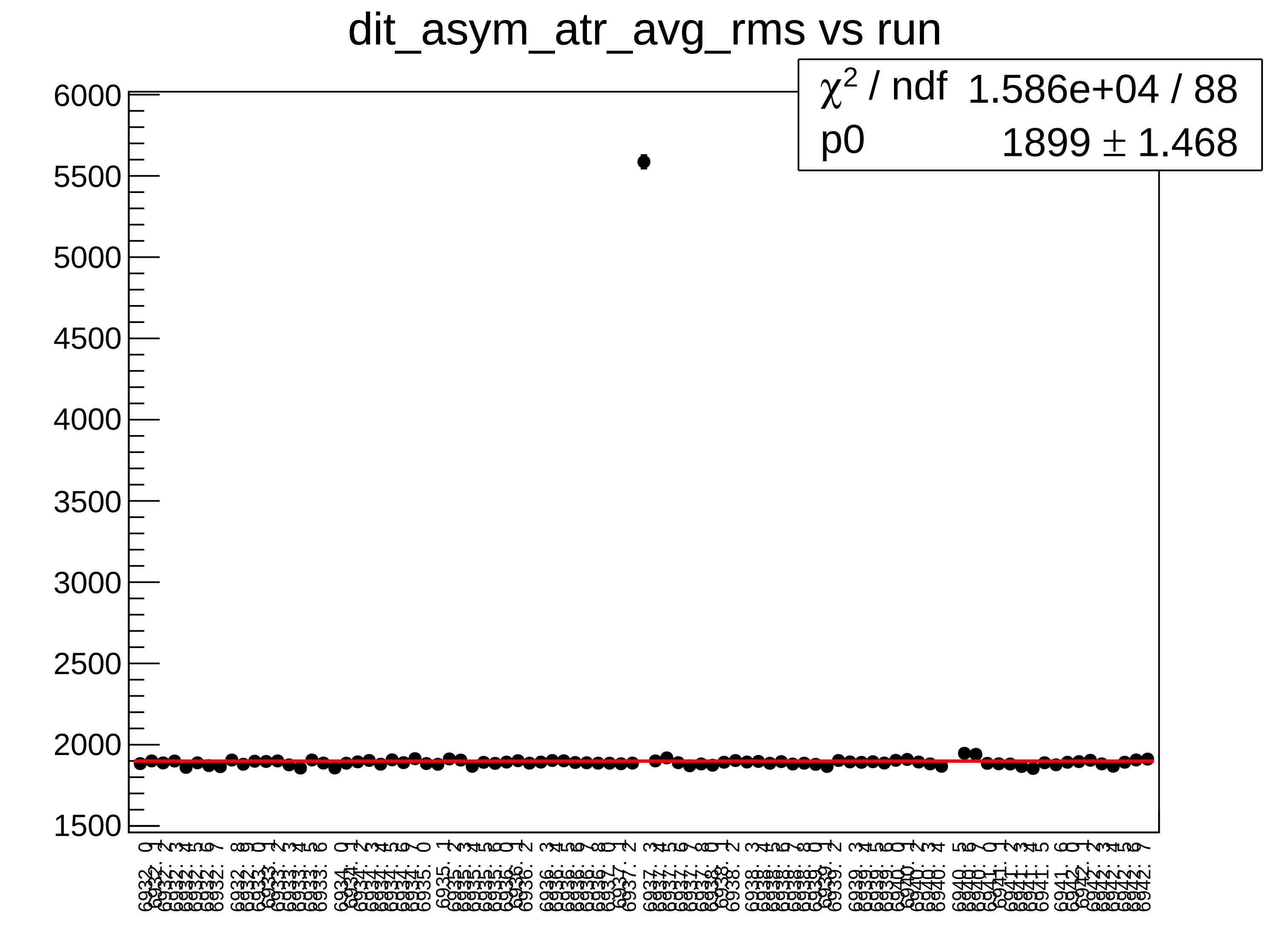


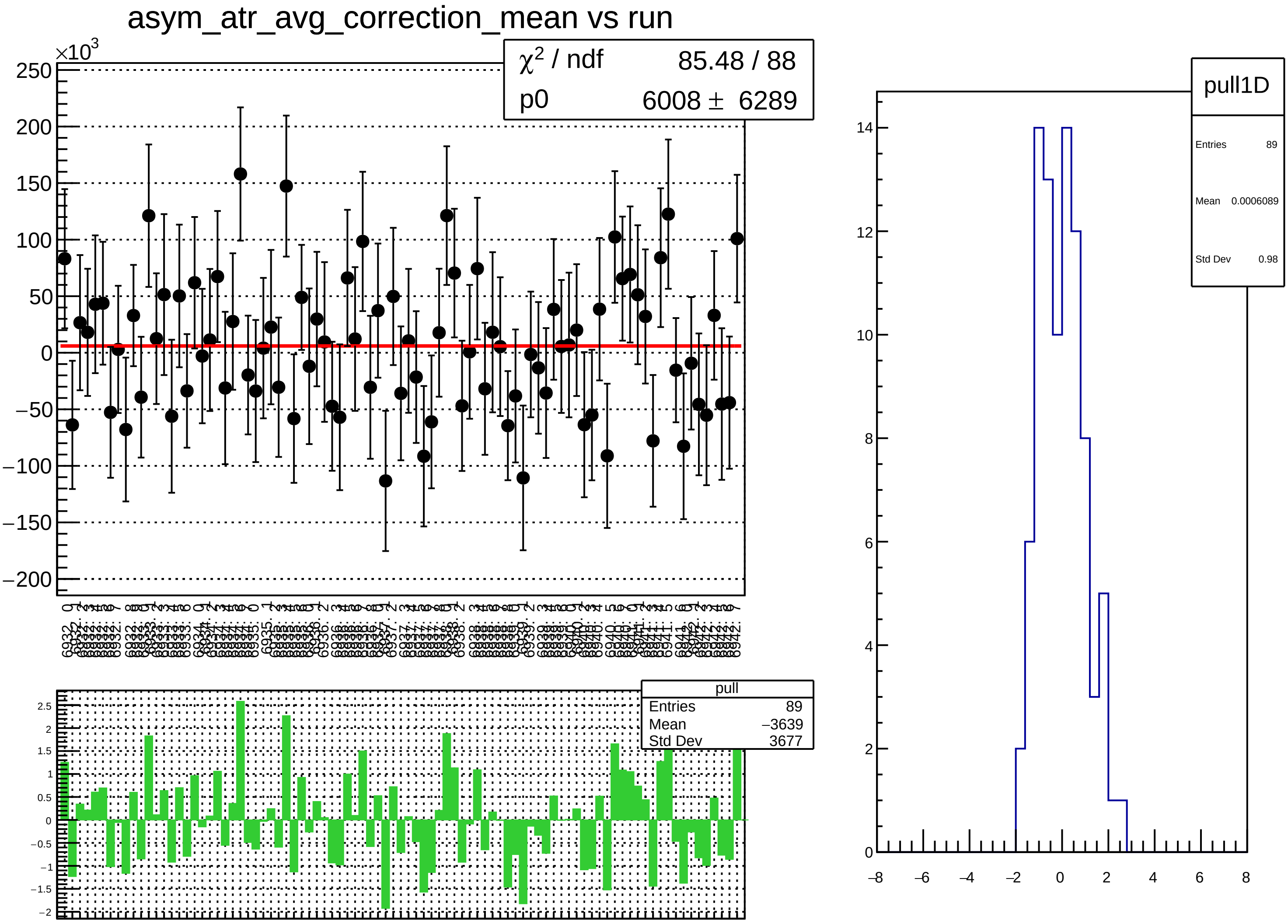
asym_atl_dd_mean vs run
χ2 / ndf 87.6 / 88
p0 7001 ± 6486
×10^3
pull
Entries 89
Mean 1236
Std Dev 1186
pull1D
Entries 89
Mean −0.001177
Std Dev 0.9921


asym_atl_dd_rms vs run
χ^2 / ndf 5889 / 88
p0 5952 ± 4.587
8000
7500
7000
6500
6000
5500
5000

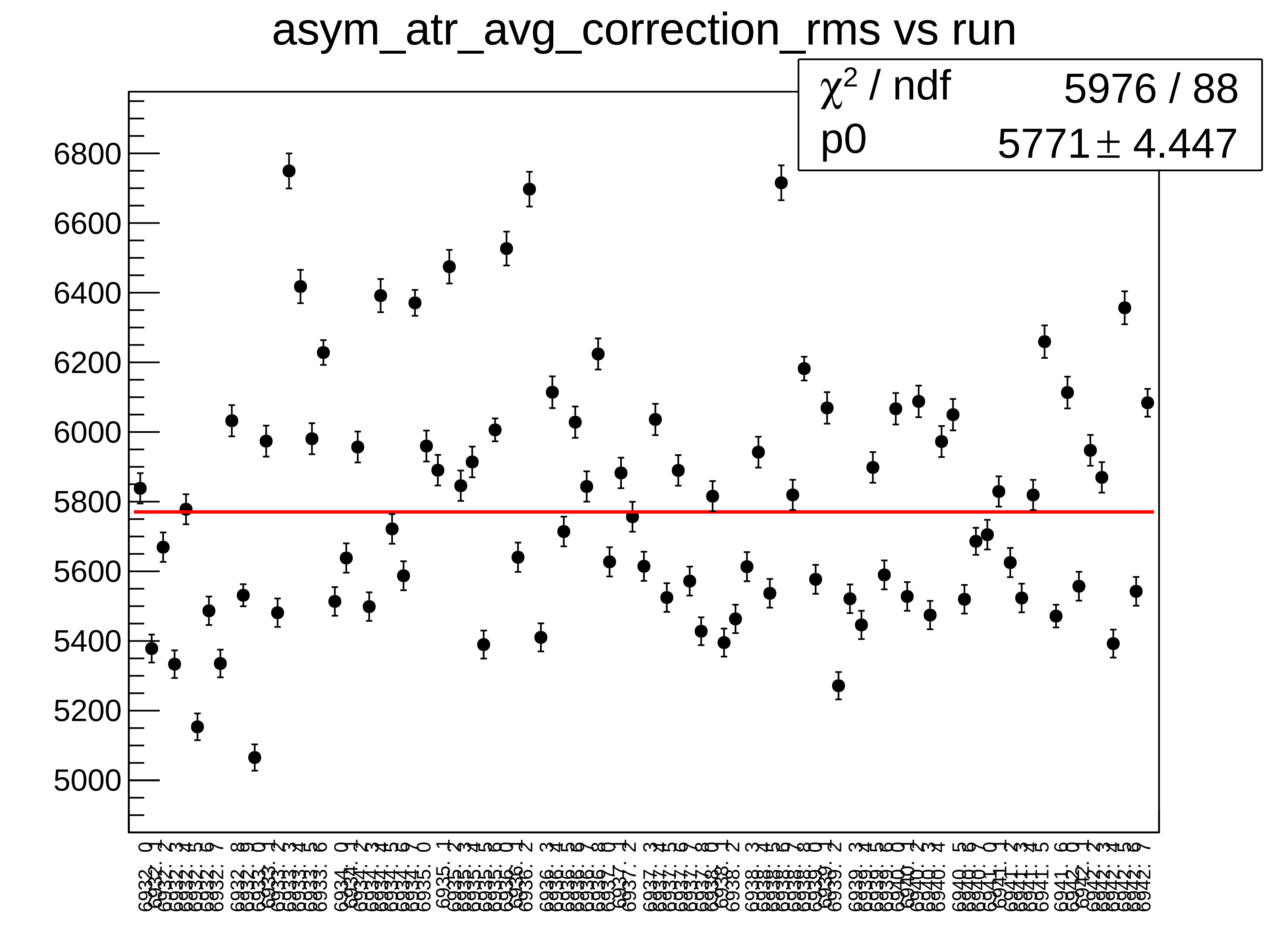


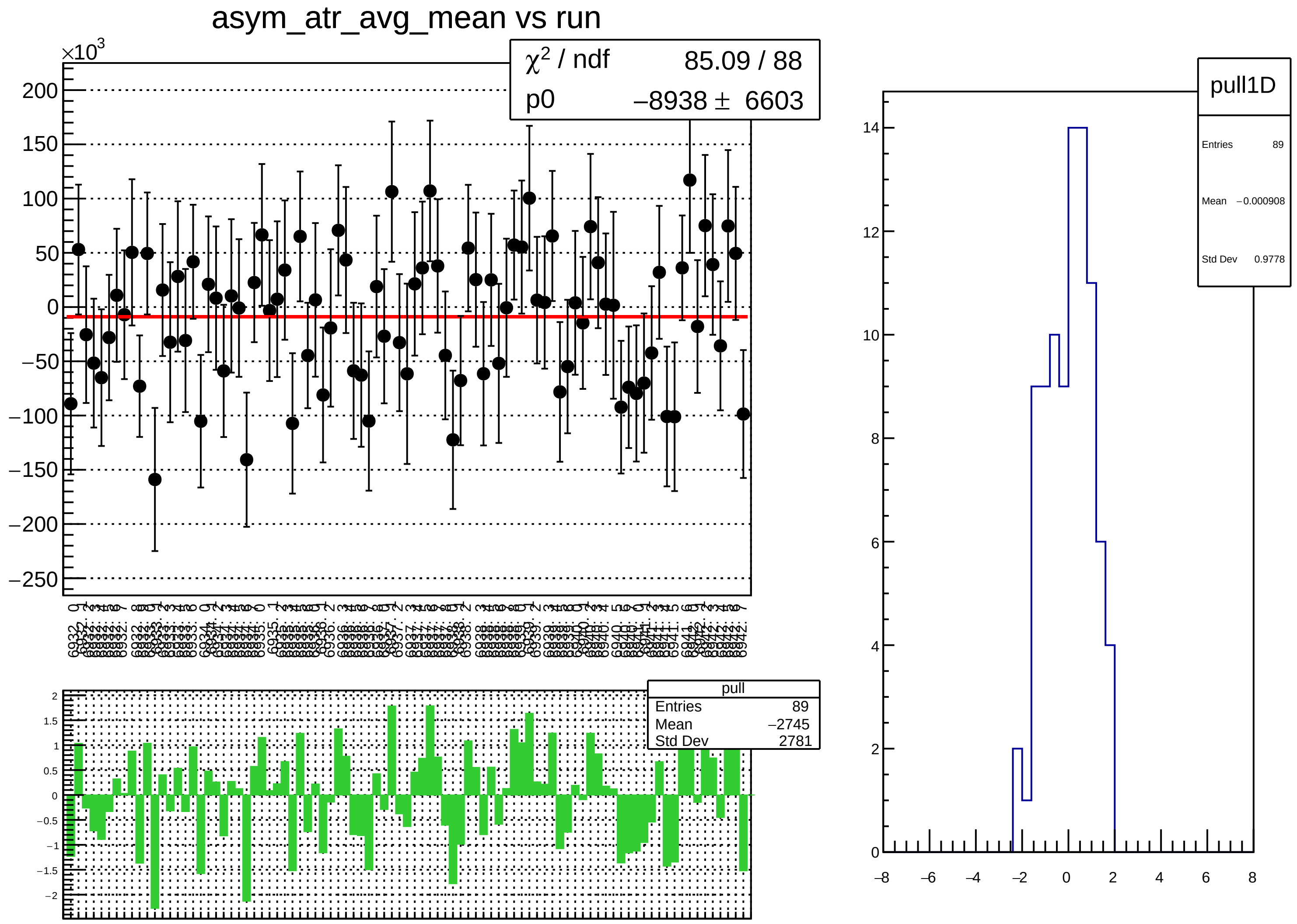
dit_asym_atr_avg_mean vs run
×10^3
χ2 / ndf 121.2 / 88
p0 −1343 ± 2076
50
0
−50
−100
−150
pull
Entries 89
Mean −73.96
Std Dev 104.8
pull1D
Entries 89
Mean −0.01878
Std Dev 1.167

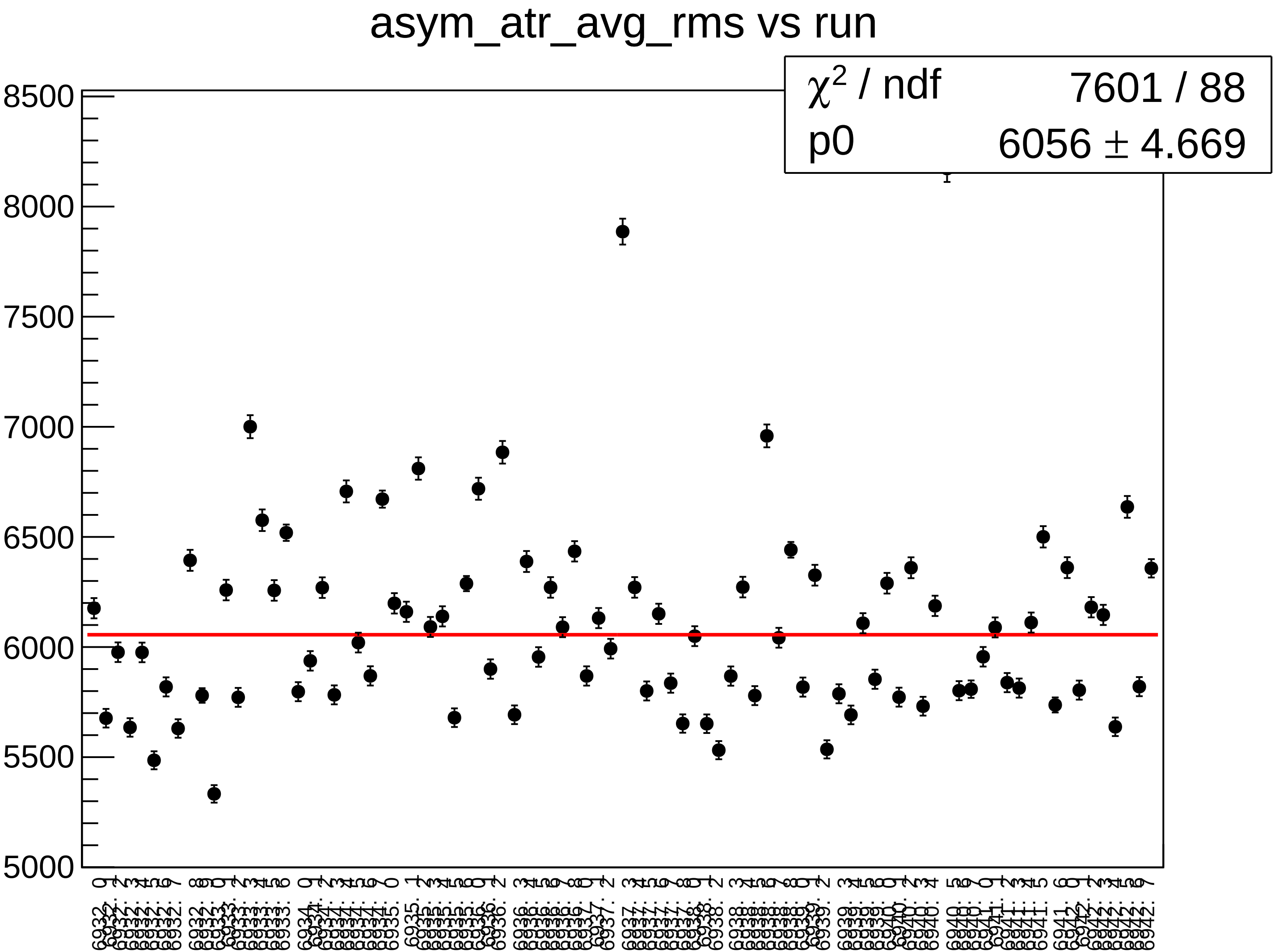


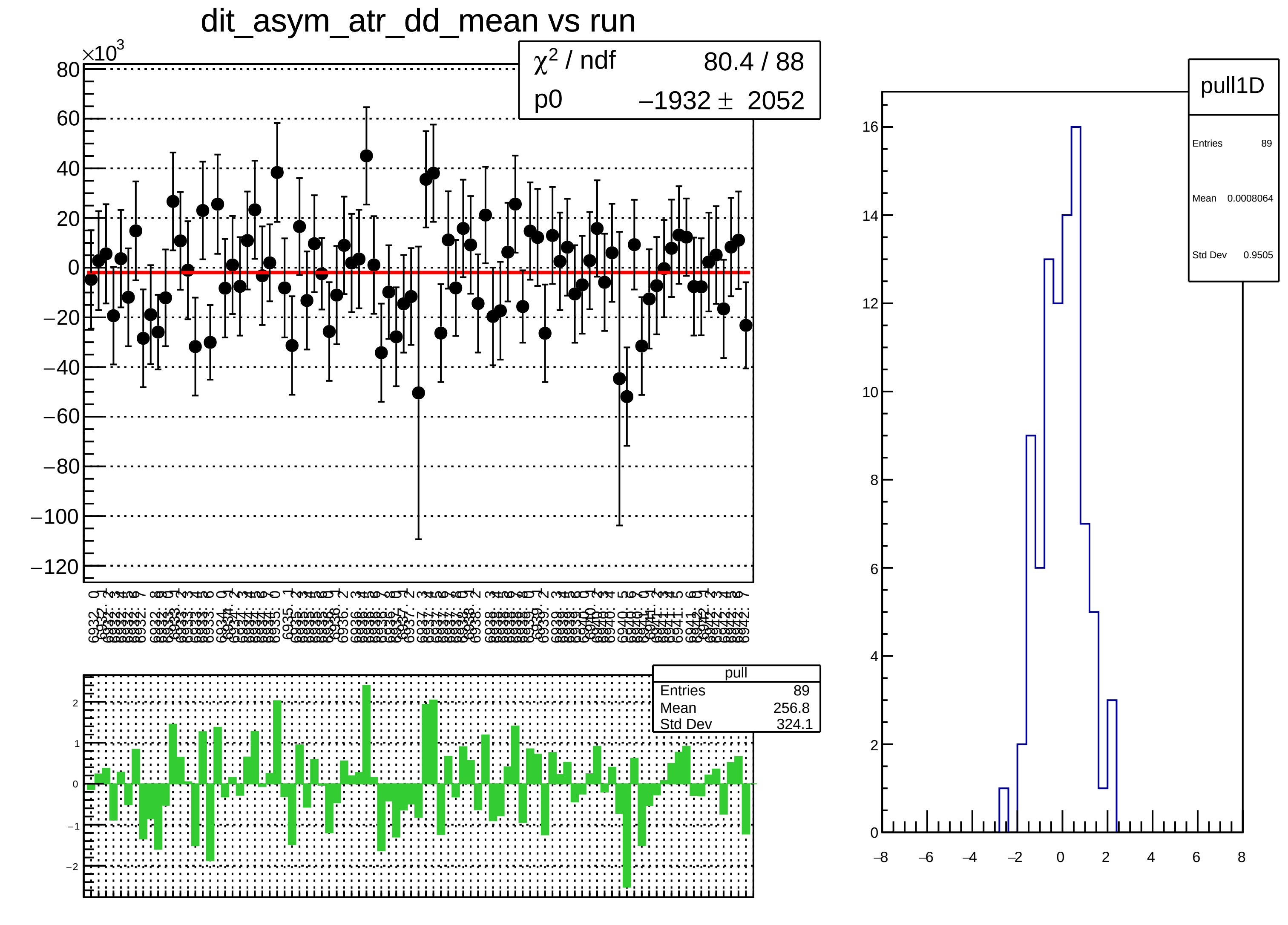


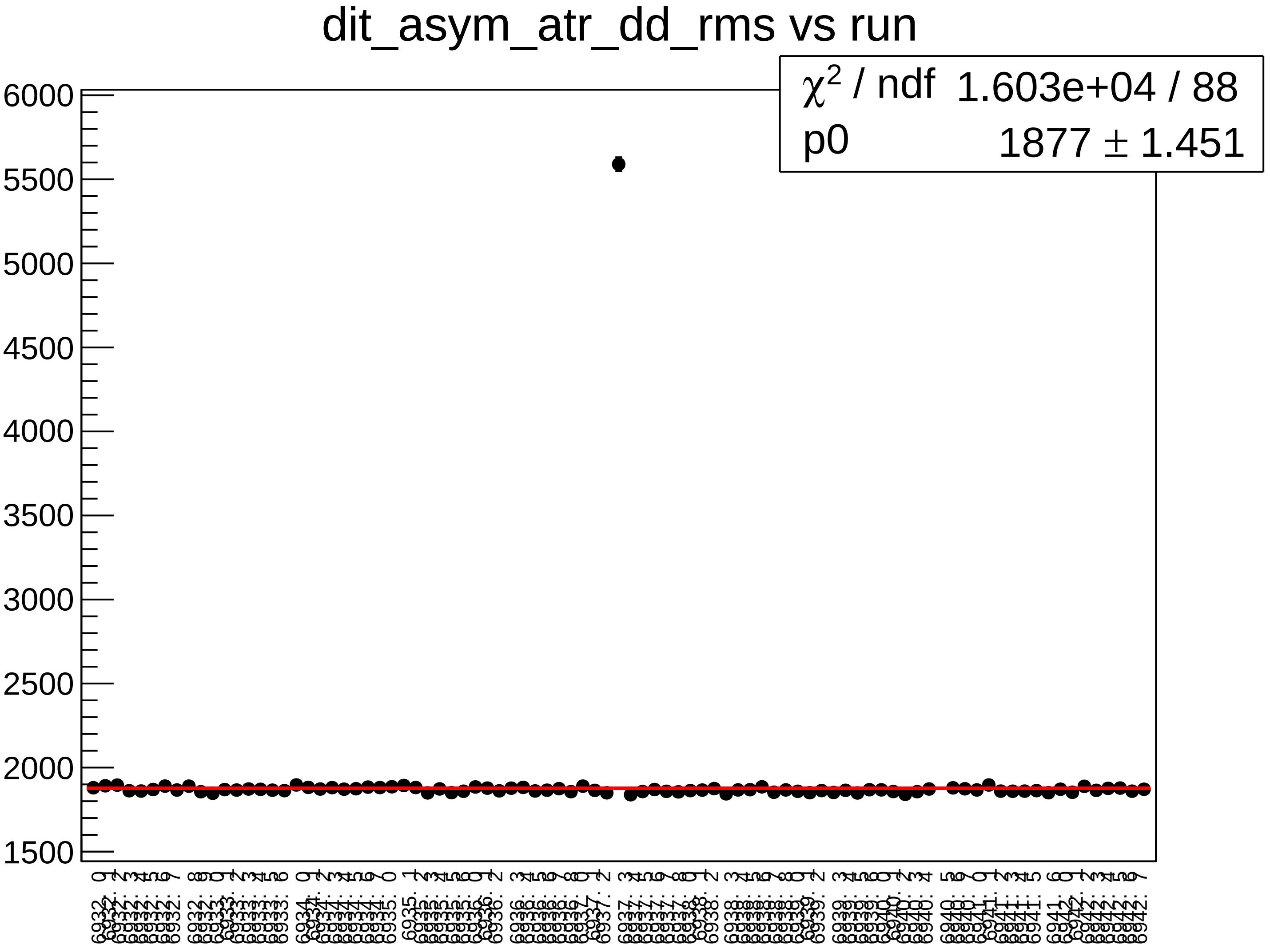
asym_atr_avg_correction_mean vs run
×10^3
χ2 / ndf 85.48 / 88
p0 6008 ± 6289
pull
Entries 89
Mean −3639
Std Dev 3677
pull1D
Entries 89
Mean 0.0006089
Std Dev 0.98

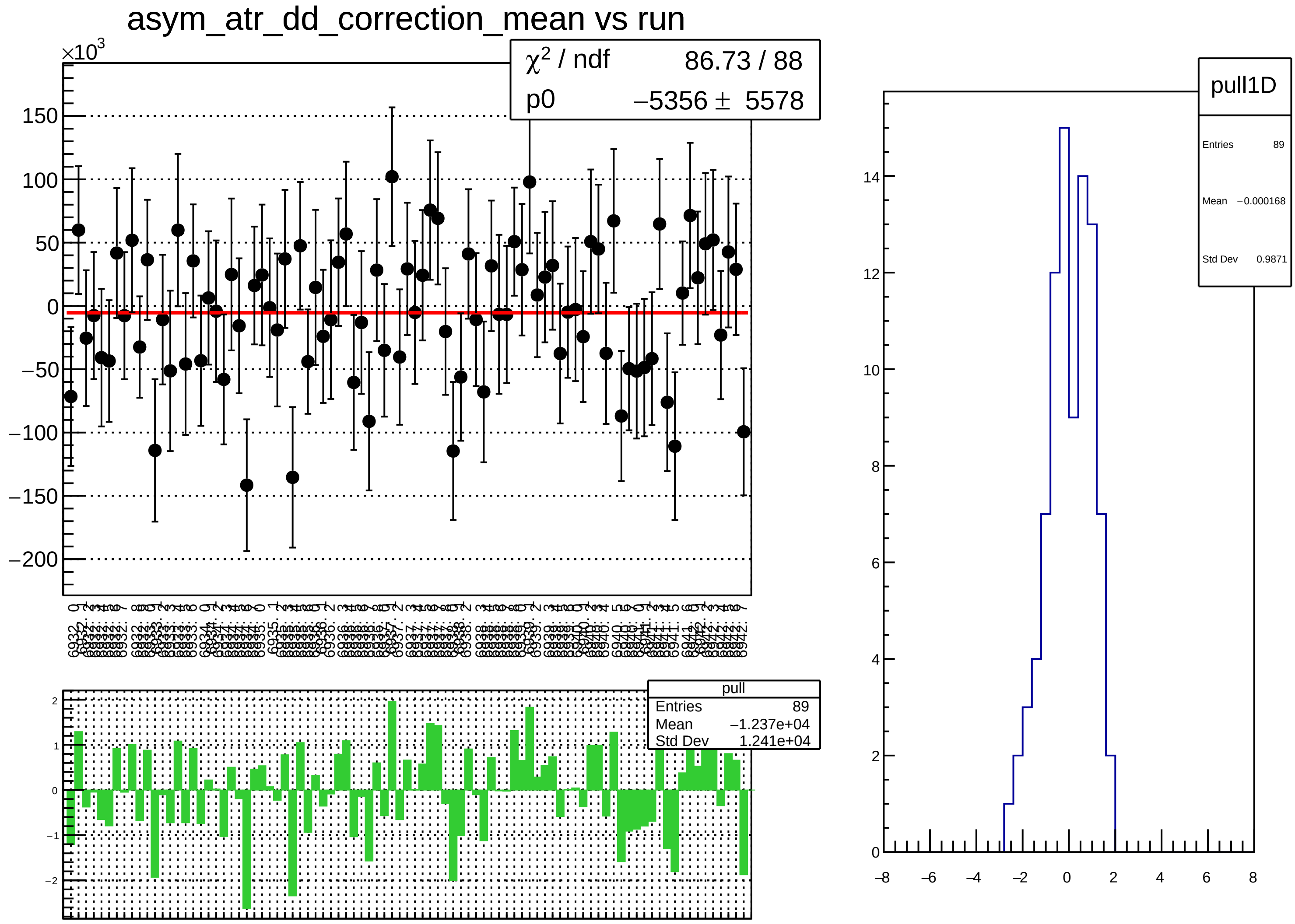

asym_atr_avg_correction_rms vs run
χ^2 / ndf 5976 / 88
p0 5771 ± 4.447
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

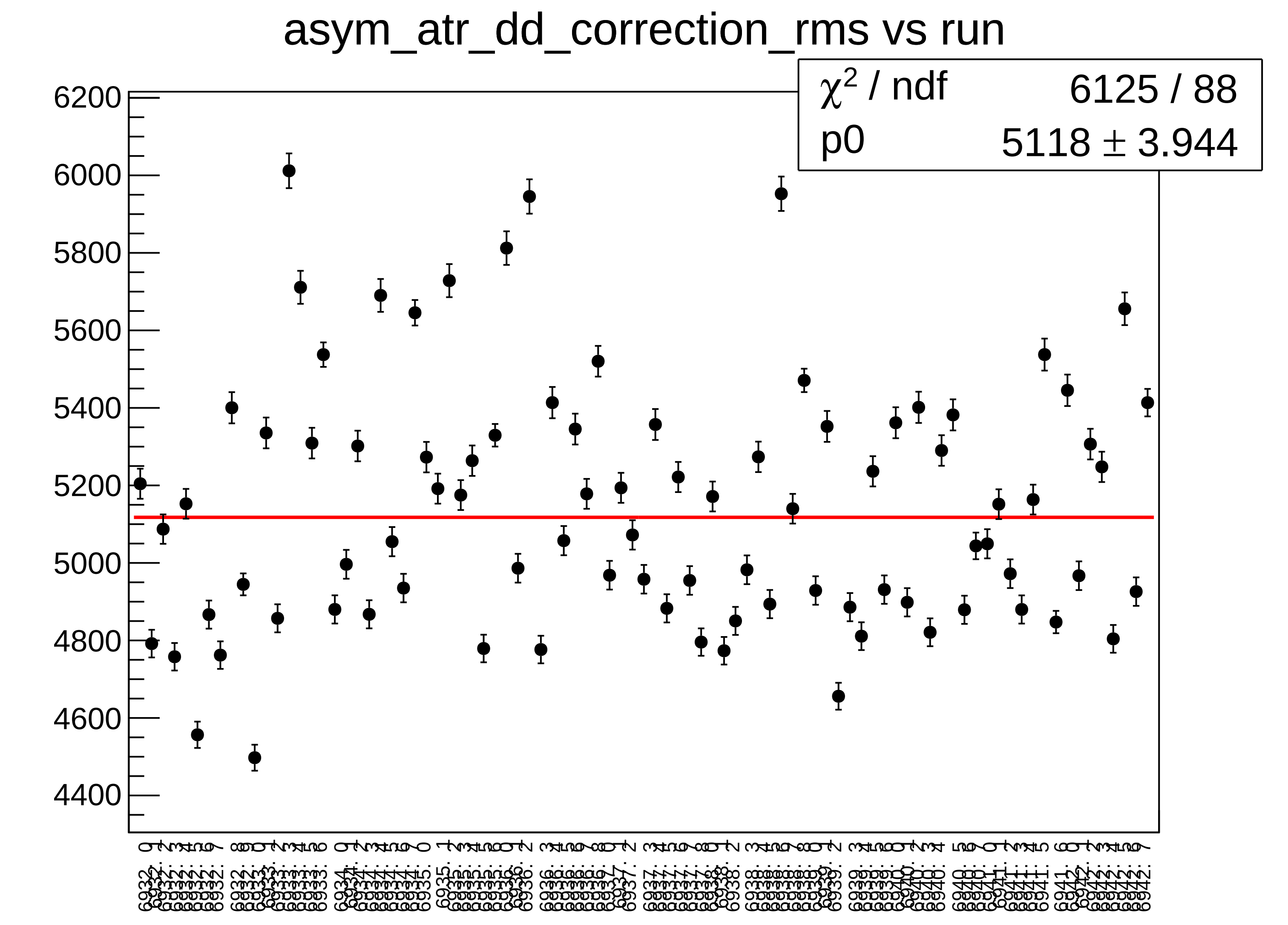

asym_atr_avg_mean vs run
$\times 10^3$
χ^2 / ndf 85.09 / 88
p0 −8938 ± 6603
pull
Entries 89
Mean −2745
Std Dev 2781
pull1D
Entries 89
Mean −0.000908
Std Dev 0.9778

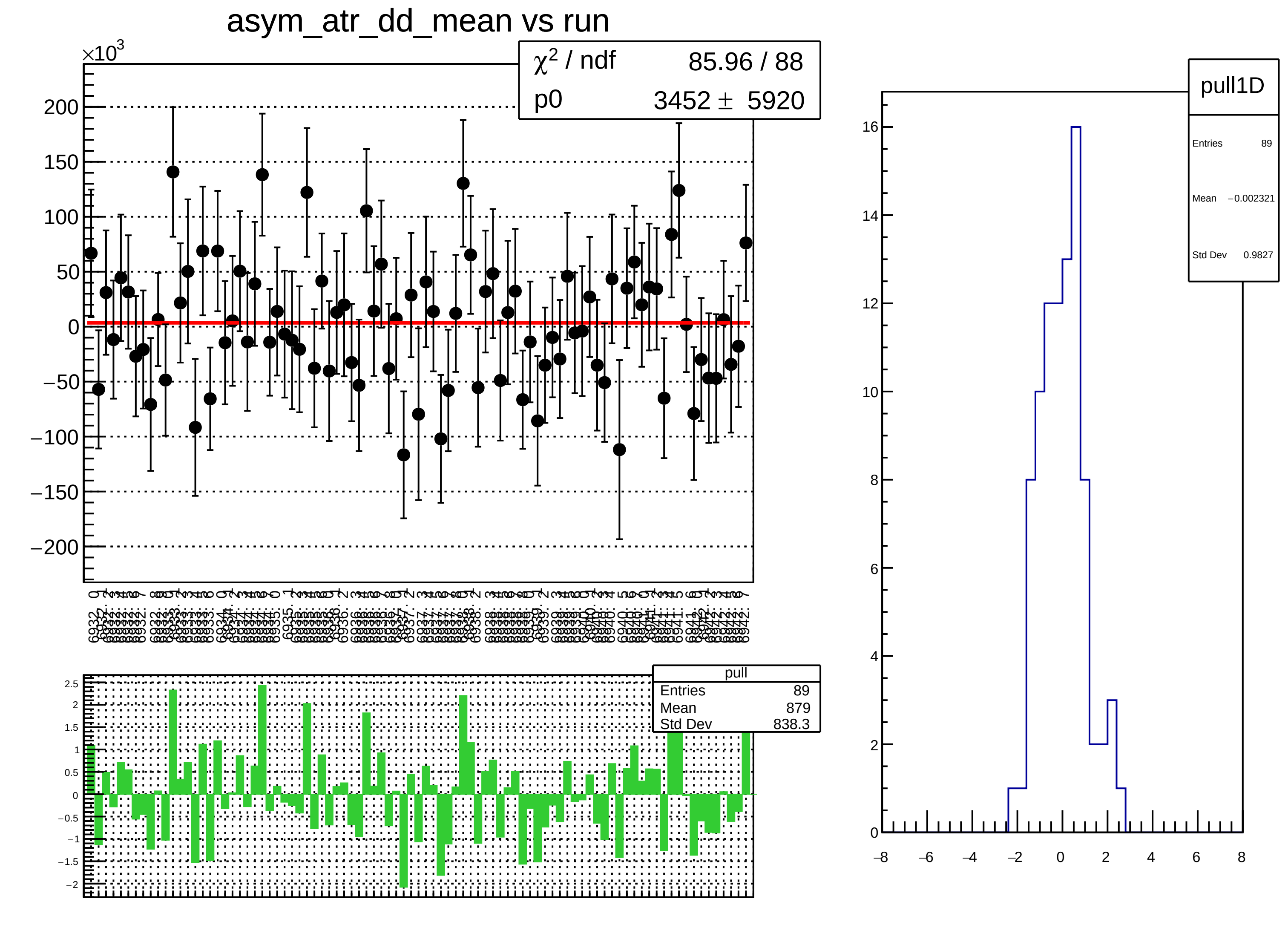

asym_atr_avg_rms vs run
χ^2 / ndf 7601 / 88
p0 6056 ± 4.669
8500
8000
7500
7000
6500
6000
5500
5000

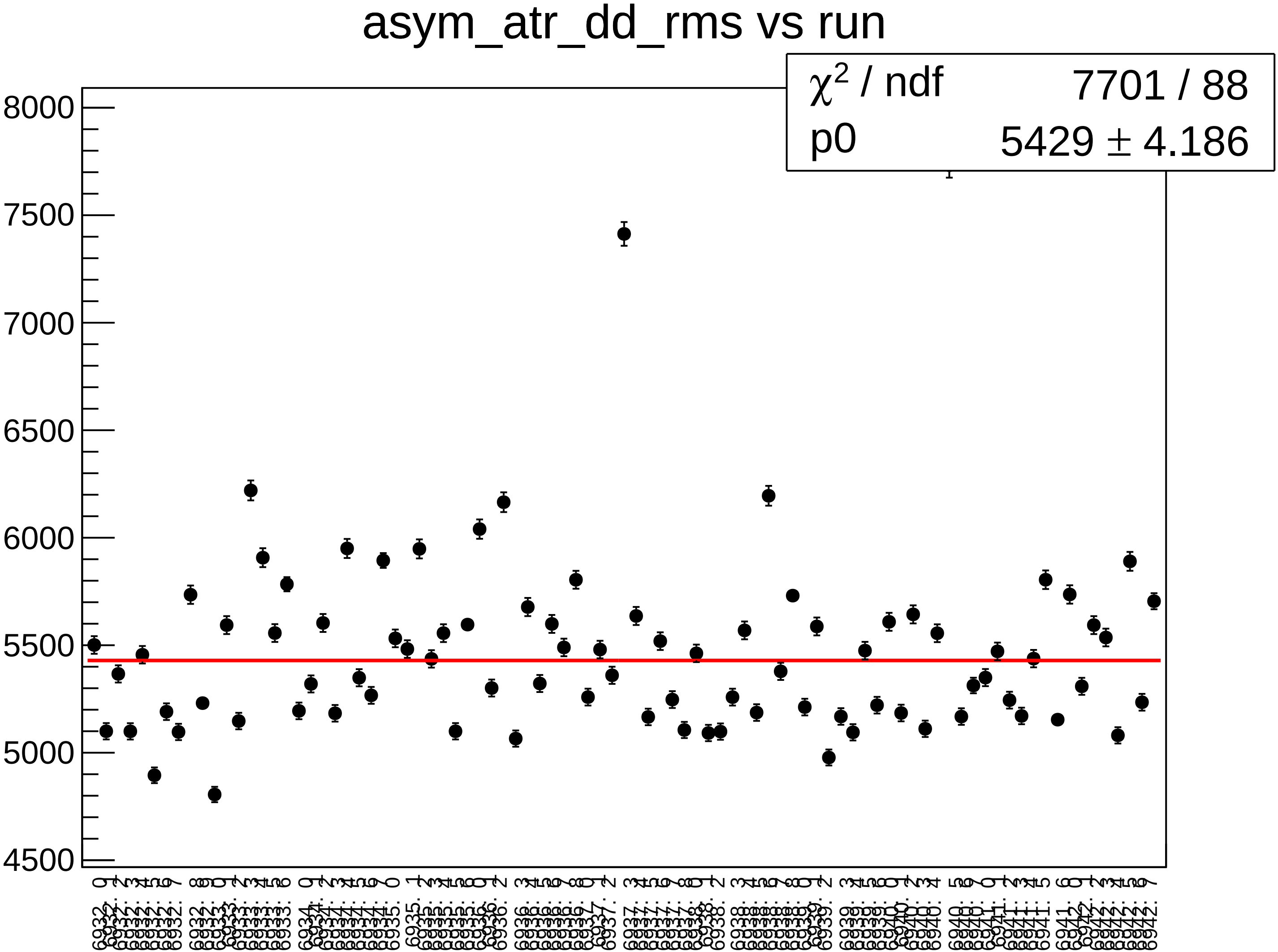

dit_asym_atr_dd_mean vs run
×10^3
χ2 / ndf 80.4 / 88
p0 −1932 ± 2052
pull
Entries 89
Mean 256.8
Std Dev 324.1
pull1D
Entries 89
Mean 0.0008064
Std Dev 0.9505


dit_asym_atr_dd_rms vs run
χ^2 / ndf 1.603e+04 / 88
p0 1877 ± 1.451
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

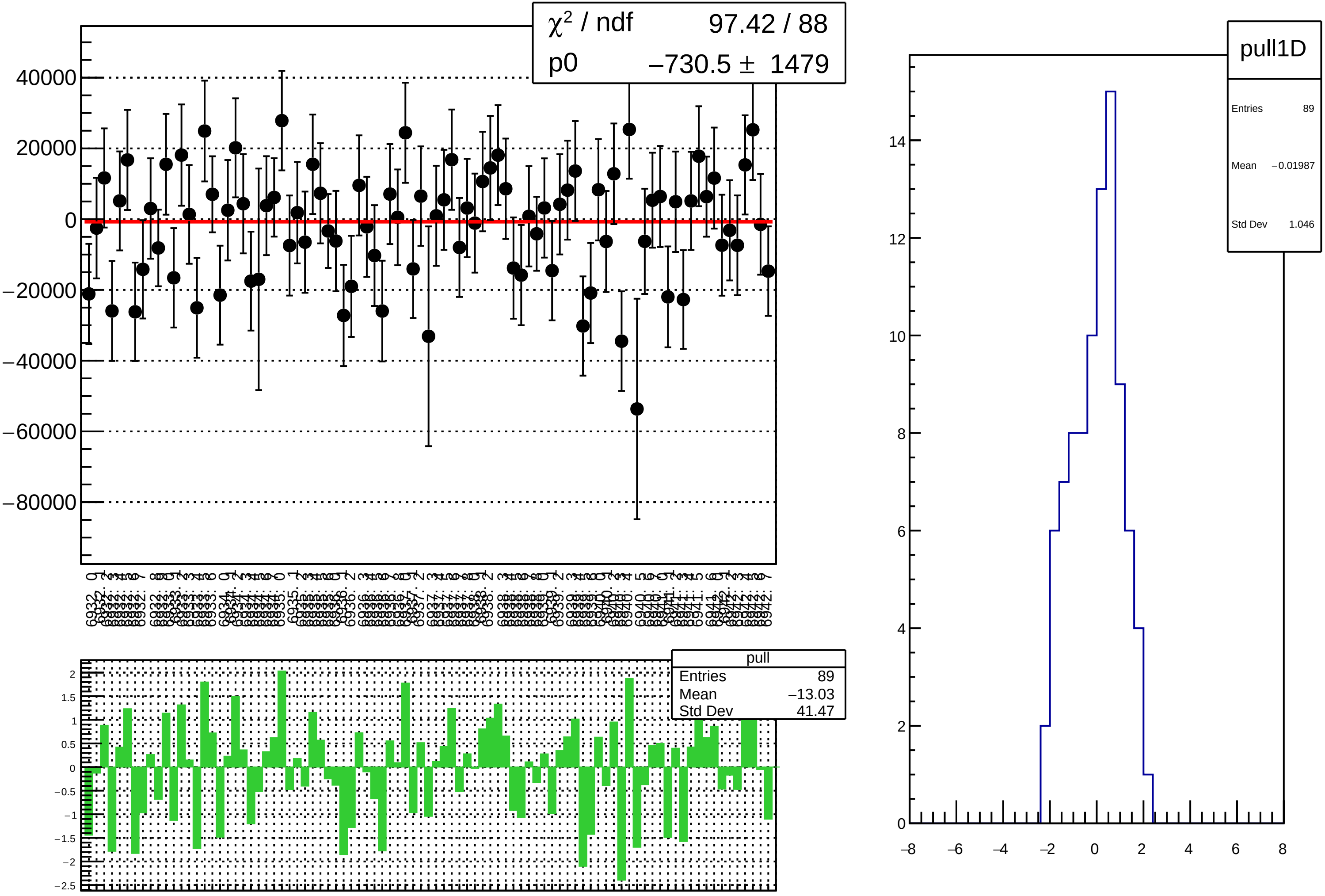

asym_atr_dd_correction_mean vs run
×10^3
χ2 / ndf 86.73 / 88
p0 −5356 ± 5578
pull
Entries 89
Mean −1.237e+04
Std Dev 1.241e+04
pull1D
Entries 89
Mean −0.000168
Std Dev 0.9871

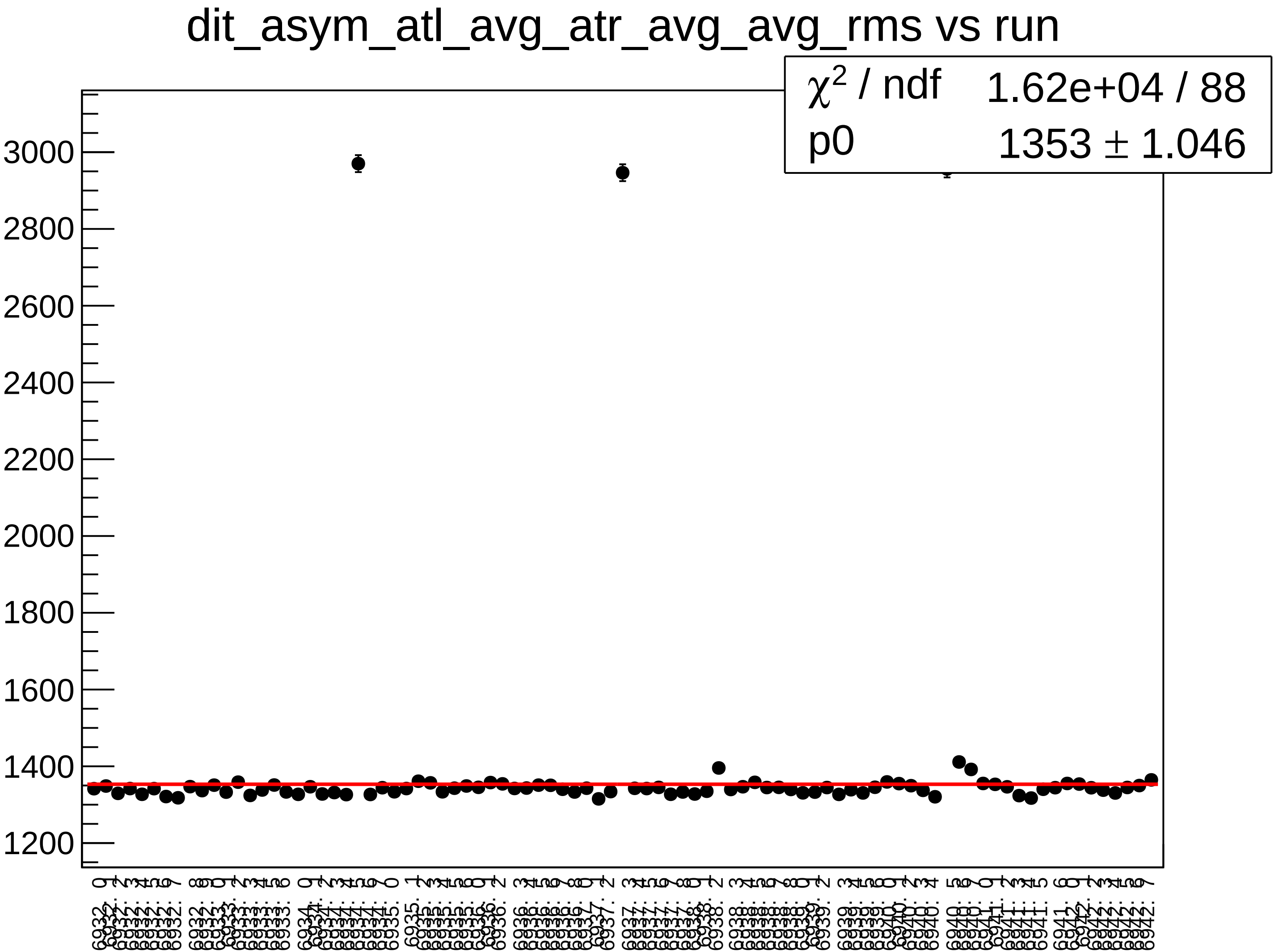

asym_atr_dd_correction_rms vs run
χ2 / ndf 6125 / 88
p0 5118 ± 3.944
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400


asym_atr_dd_mean vs run
χ^2 / ndf 85.96 / 88
p0 3452 ± 5920
×10^3
pull
Entries 89
Mean 879
Std Dev 838.3
pull1D
Entries 89
Mean −0.002321
Std Dev 0.9827

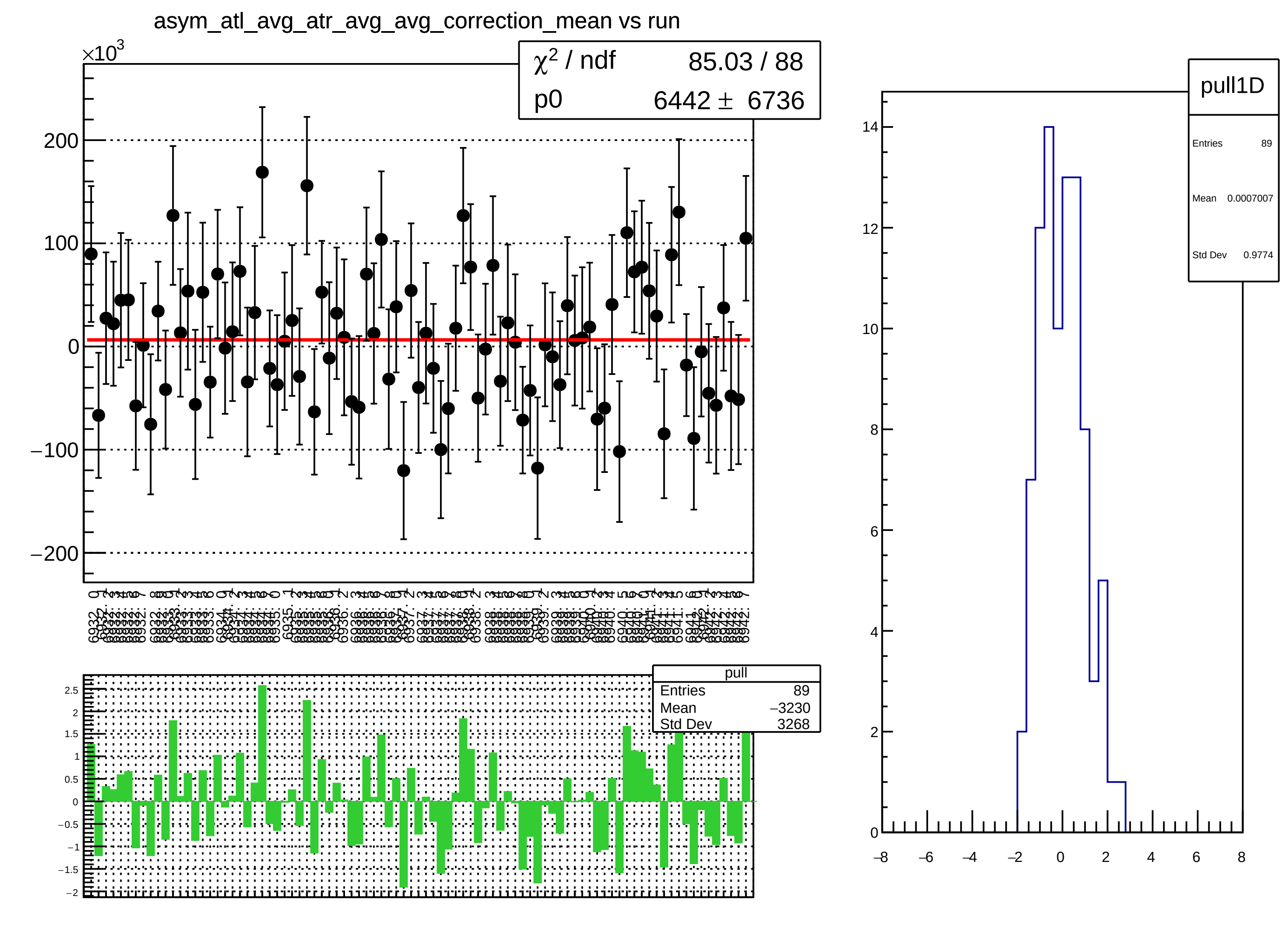

asym_atr_dd_rms vs run
χ^2 / ndf 7701 / 88
p0 5429 ± 4.186
8000
7500
7000
6500
6000
5500
5000
4500

dit_asym_atl_avg_atr_avg_avg_mean vs run

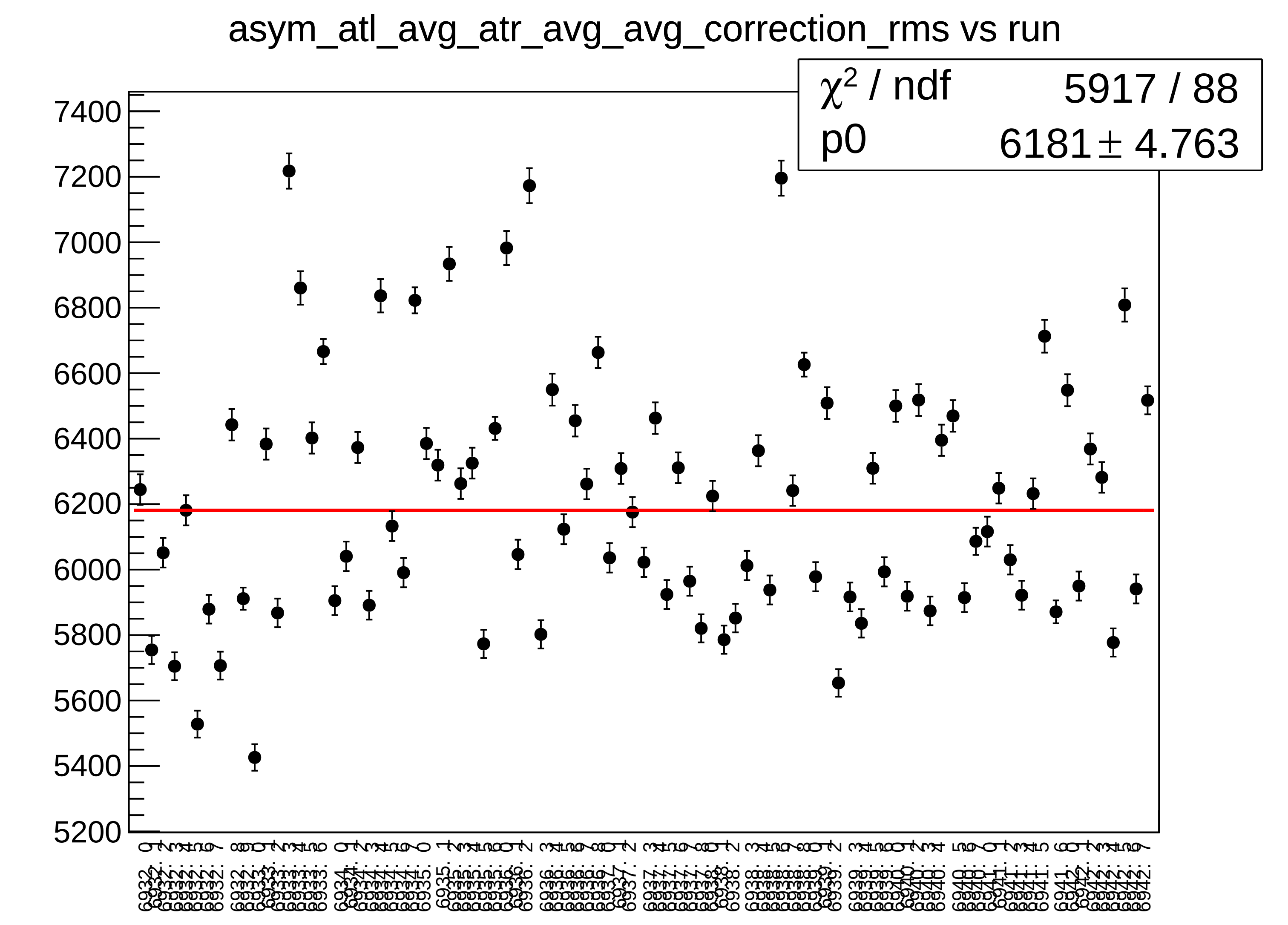




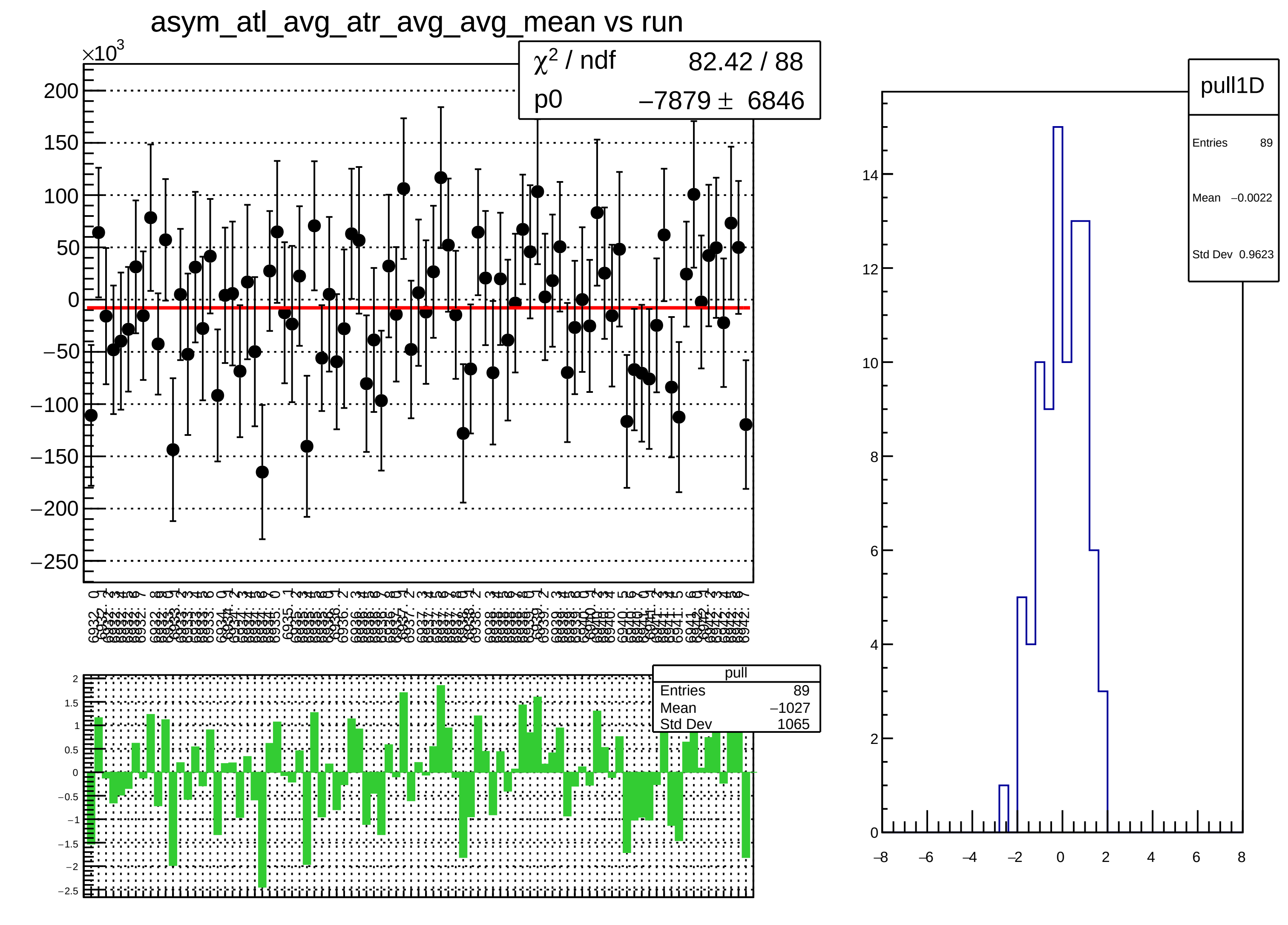
dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.62e+04 / 88
p0 1353 ± 1.046
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200



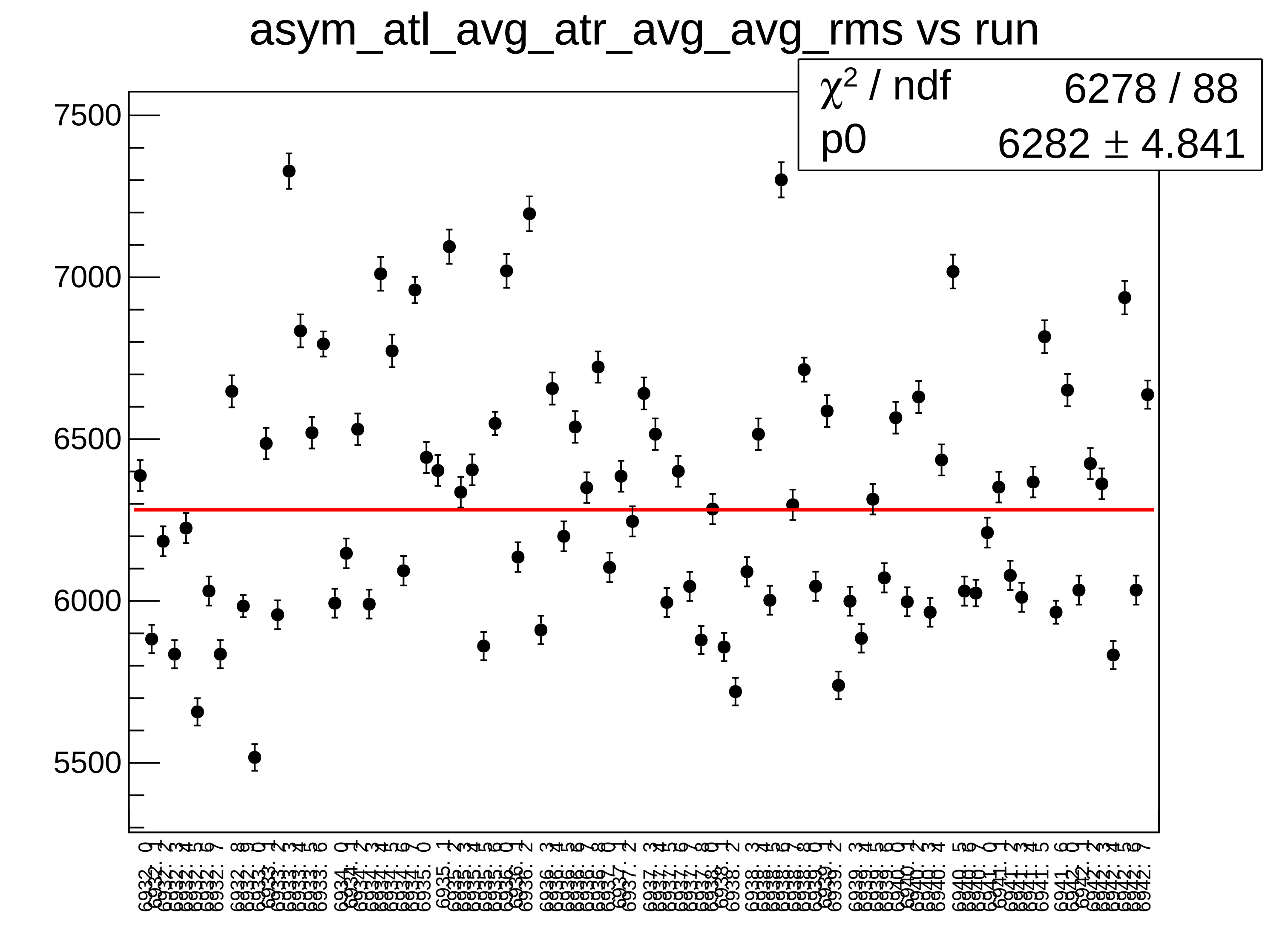
asym_atl_avg_atr_avg_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 85.03 / 88
p0 6442 ± 6736
200
100
0
−100
−200
pull
Entries 89
Mean −3230
Std Dev 3268
pull1D
Entries 89
Mean 0.0007007
Std Dev 0.9774

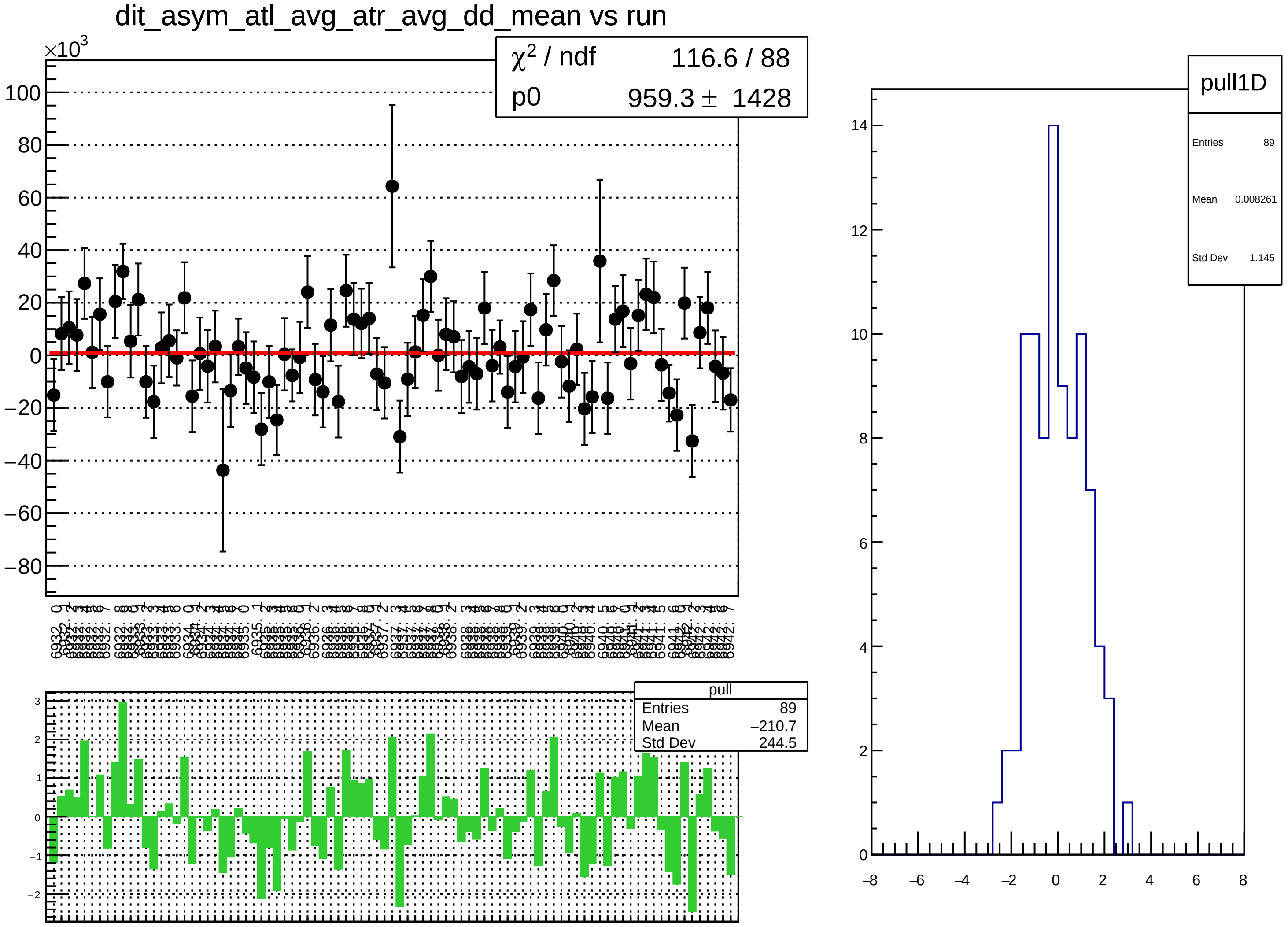


asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 5917 / 88
p0 6181 ± 4.763
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

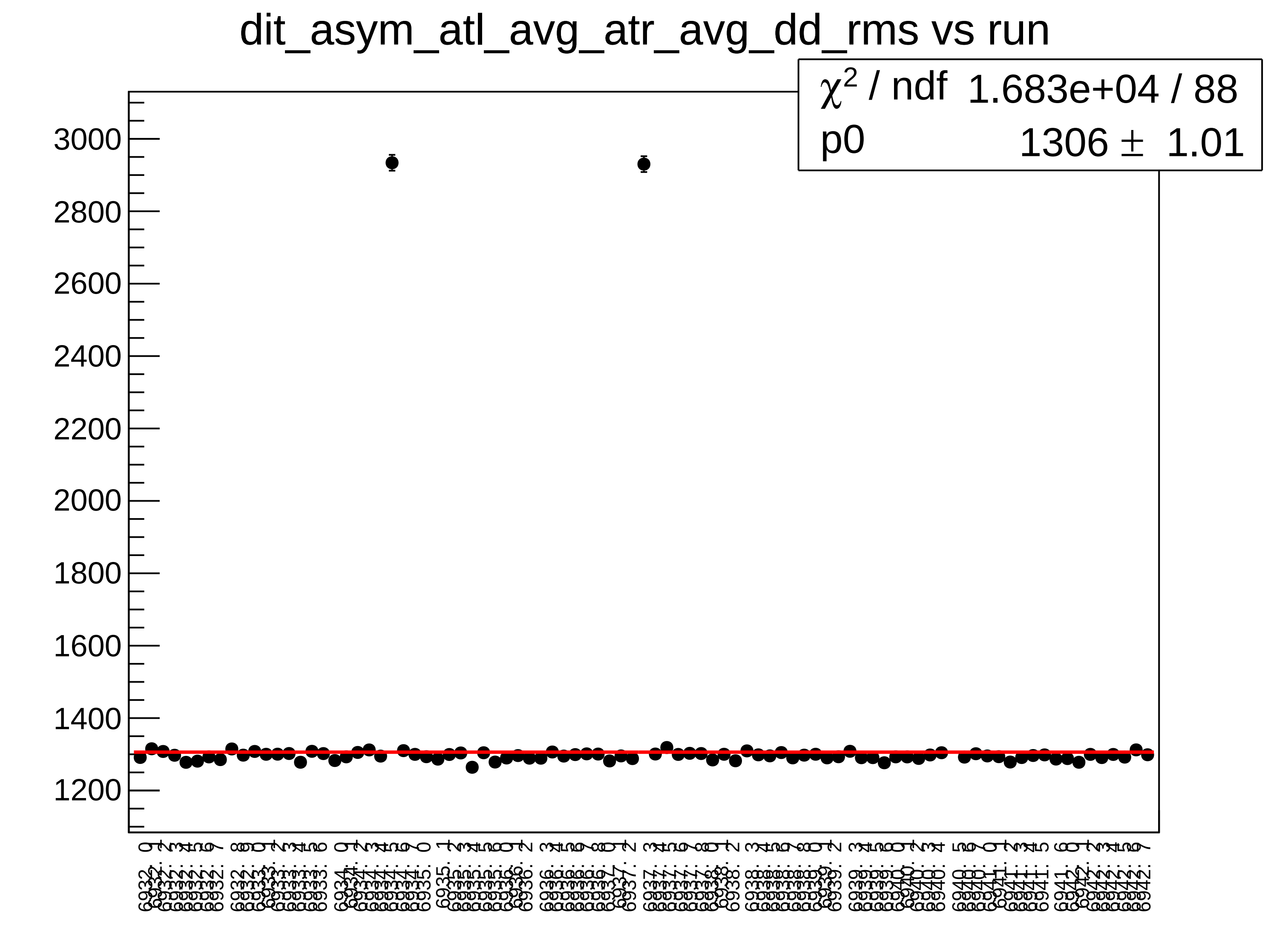


asym_atl_avg_atr_avg_avg_mean vs run
$\times10^3$
χ^2 / ndf 82.42 / 88
p0 −7879 ± 6846
pull
Entries 89
Mean −1027
Std Dev 1065
pull1D
Entries 89
Mean −0.0022
Std Dev 0.9623

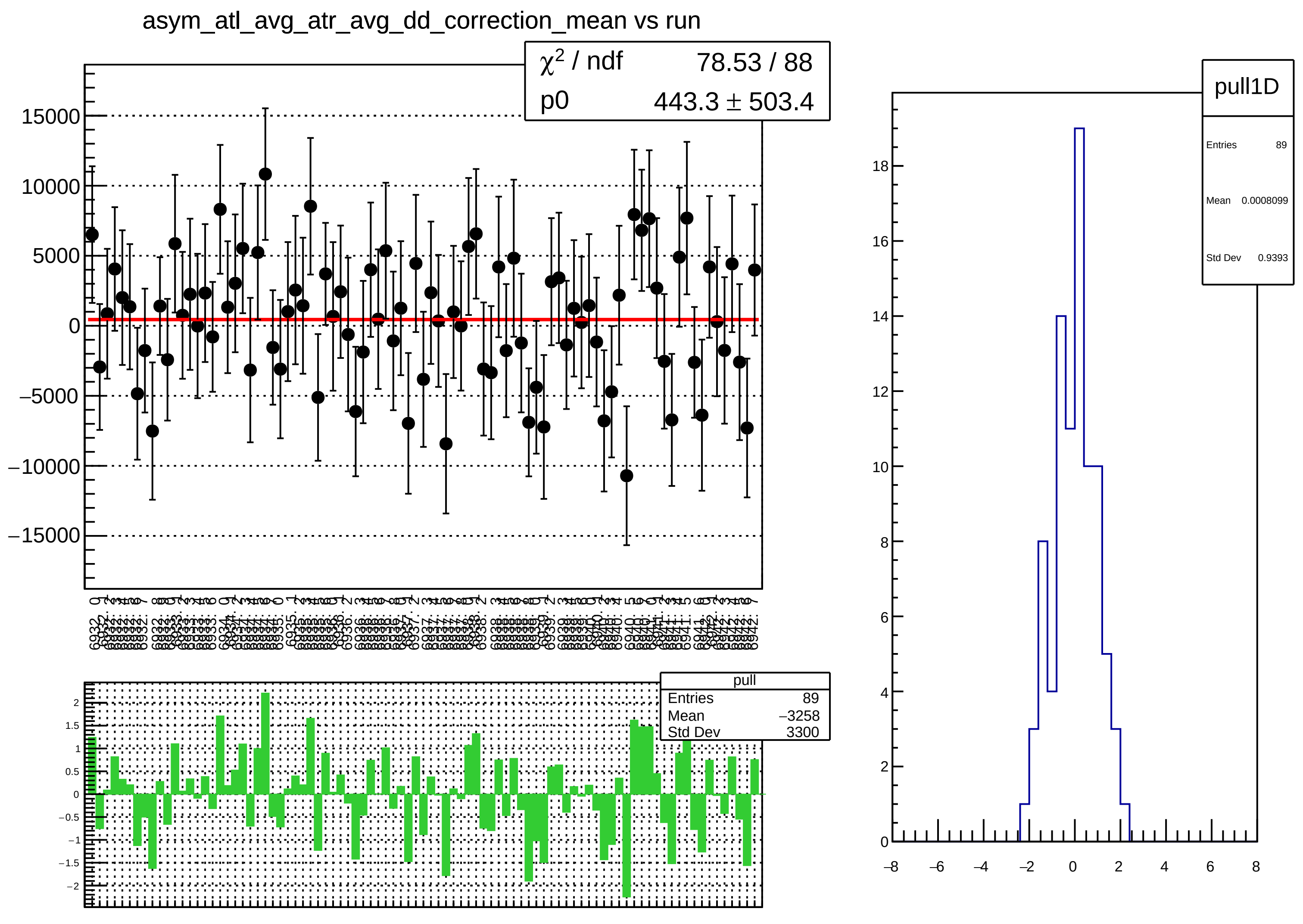

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 6278 / 88
p0 6282 ± 4.841
7500
7000
6500
6000
5500

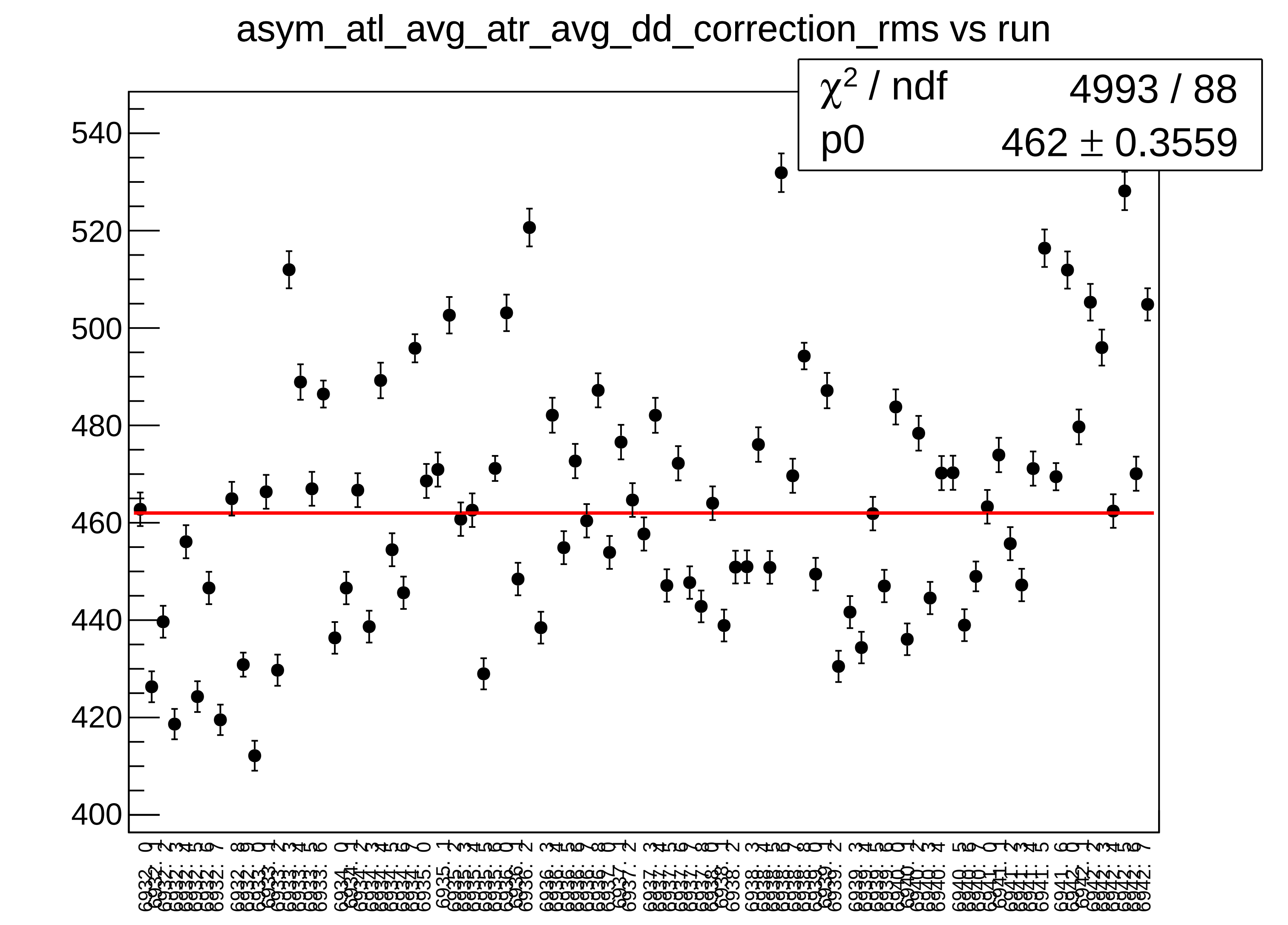


dit_asym_atl_avg_atr_avg_dd_mean vs run
$\times 10^3$
χ^2 / ndf 116.6 / 88
p0 959.3 ± 1428
pull
Entries 89
Mean −210.7
Std Dev 244.5
pull1D
Entries 89
Mean 0.008261
Std Dev 1.145

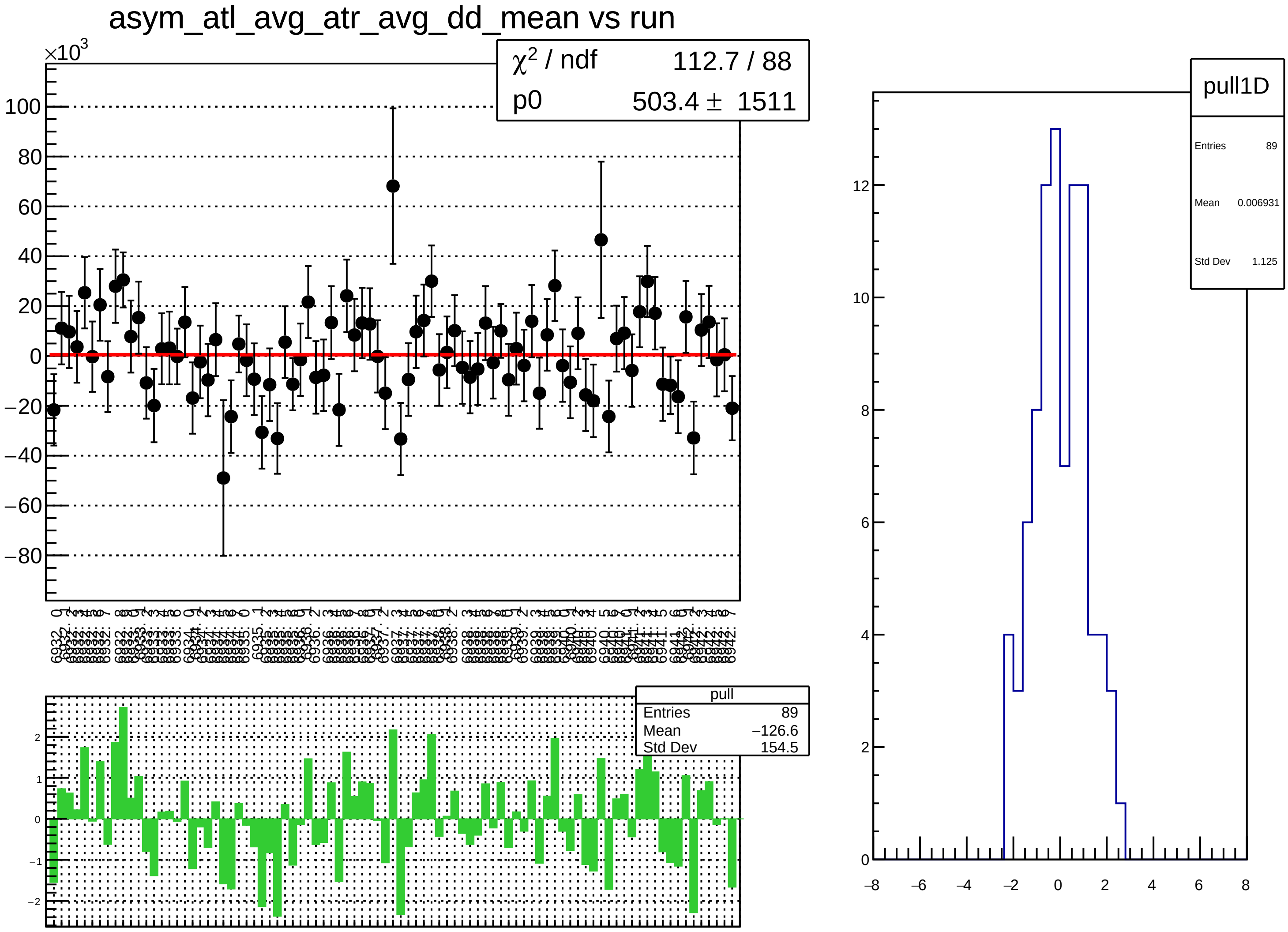


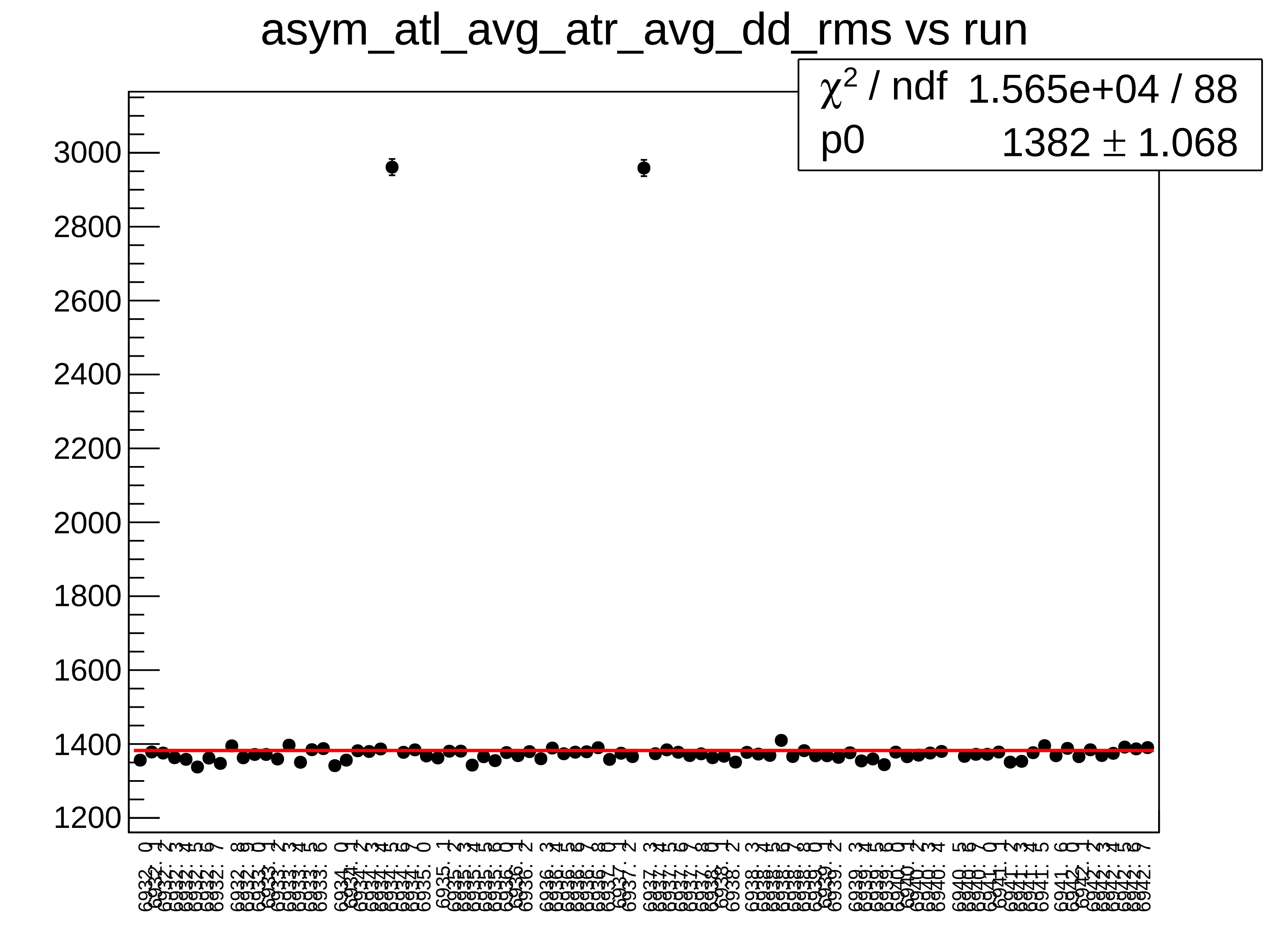
dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.683e+04 / 88
p0 1306 ± 1.01
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

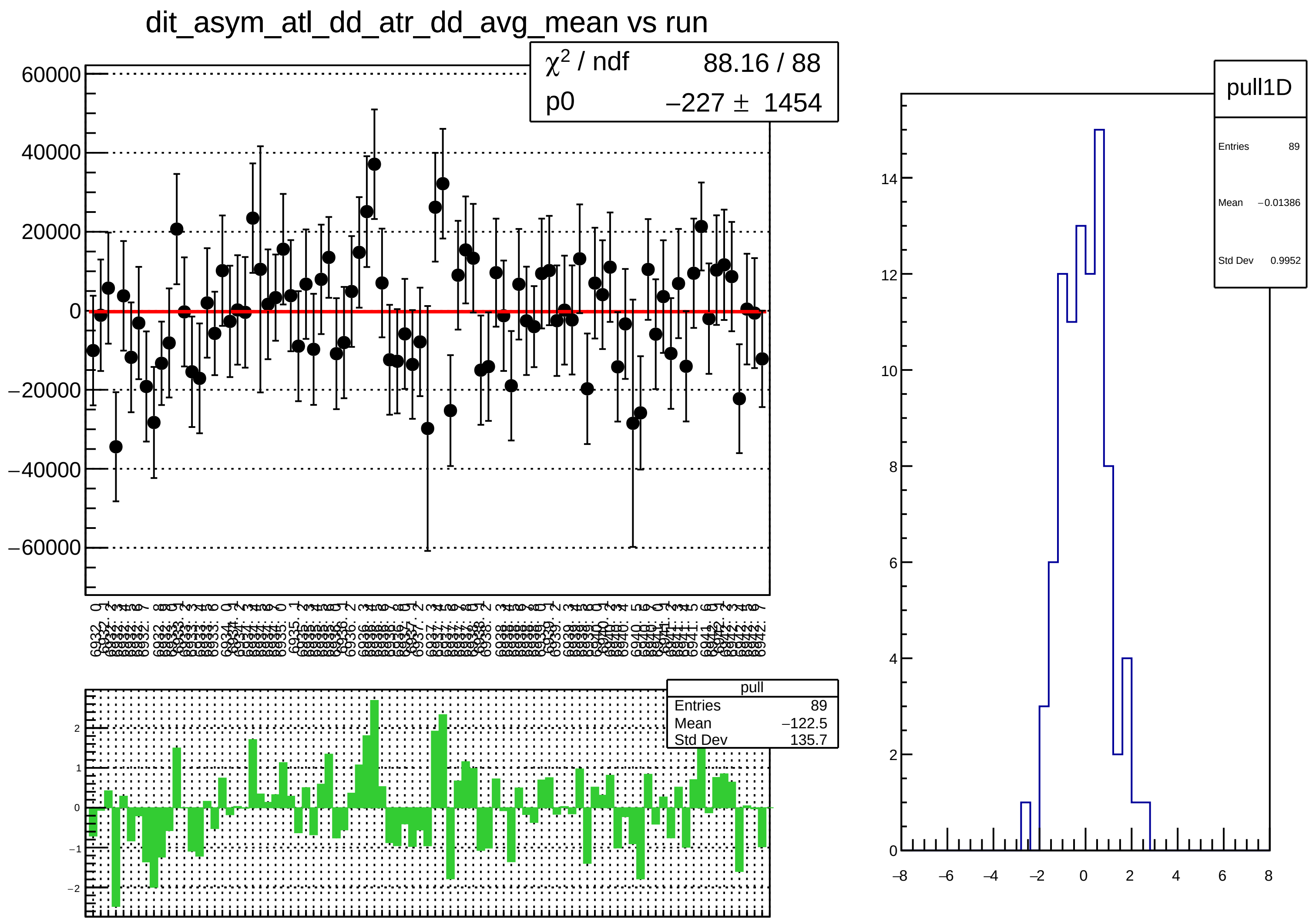

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ2 / ndf 78.53 / 88
p0 443.3 ± 503.4
pull
Entries 89
Mean −3258
Std Dev 3300
pull1D
Entries 89
Mean 0.0008099
Std Dev 0.9393



asym_atl_avg_atr_avg_dd_correction_rms vs run
χ2 / ndf 4993 / 88
p0 462 ± 0.3559
540
520
500
480
460
440
420
400

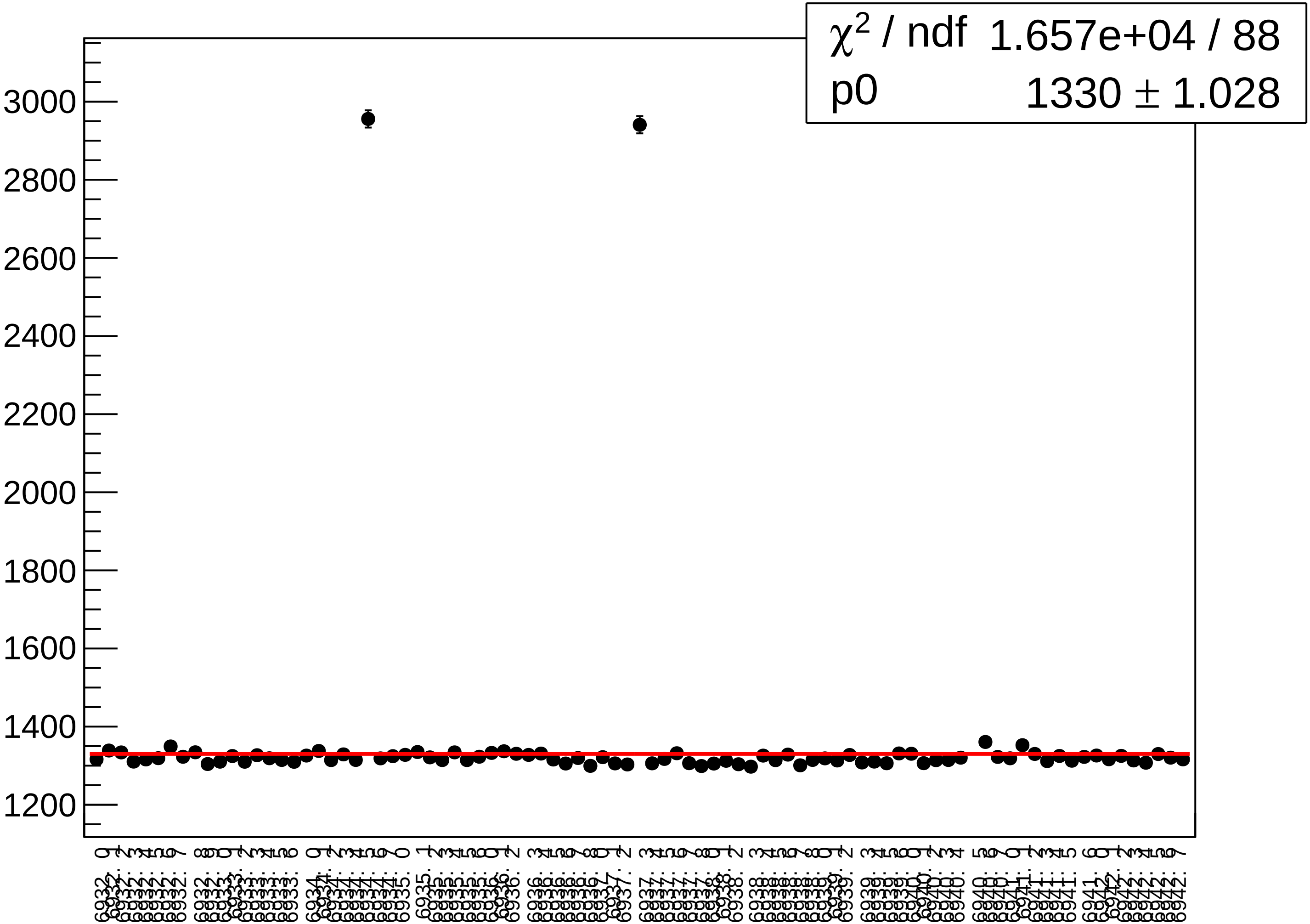

asym_atl_avg_atr_avg_dd_mean vs run
$\times 10^3$
χ^2 / ndf 112.7 / 88
p0 503.4 ± 1511
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 89
Mean −126.6
Std Dev 154.5
pull1D
Entries 89
Mean 0.006931
Std Dev 1.125
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

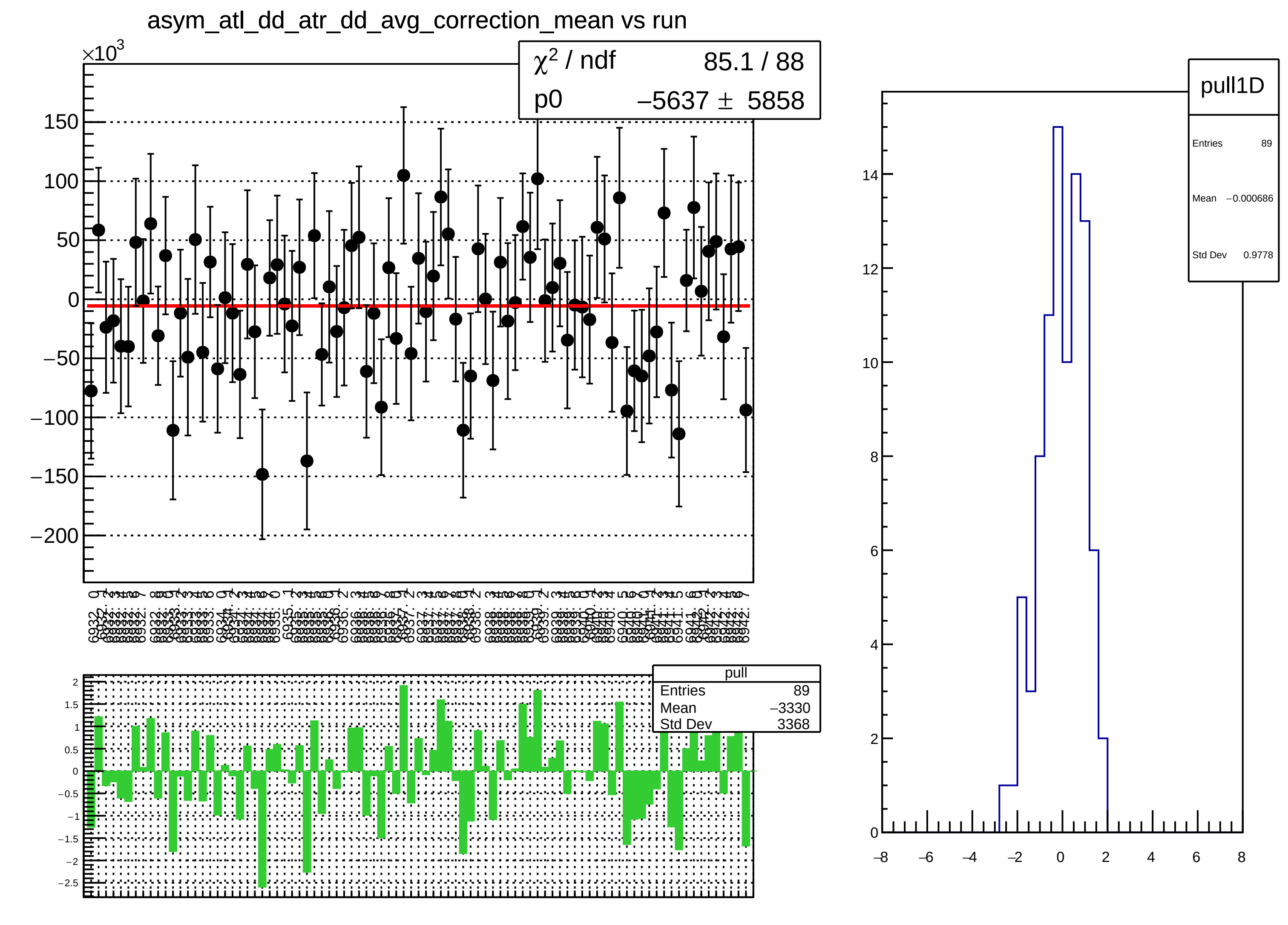

asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.565e+04 / 88
p0 1382 ± 1.068
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200



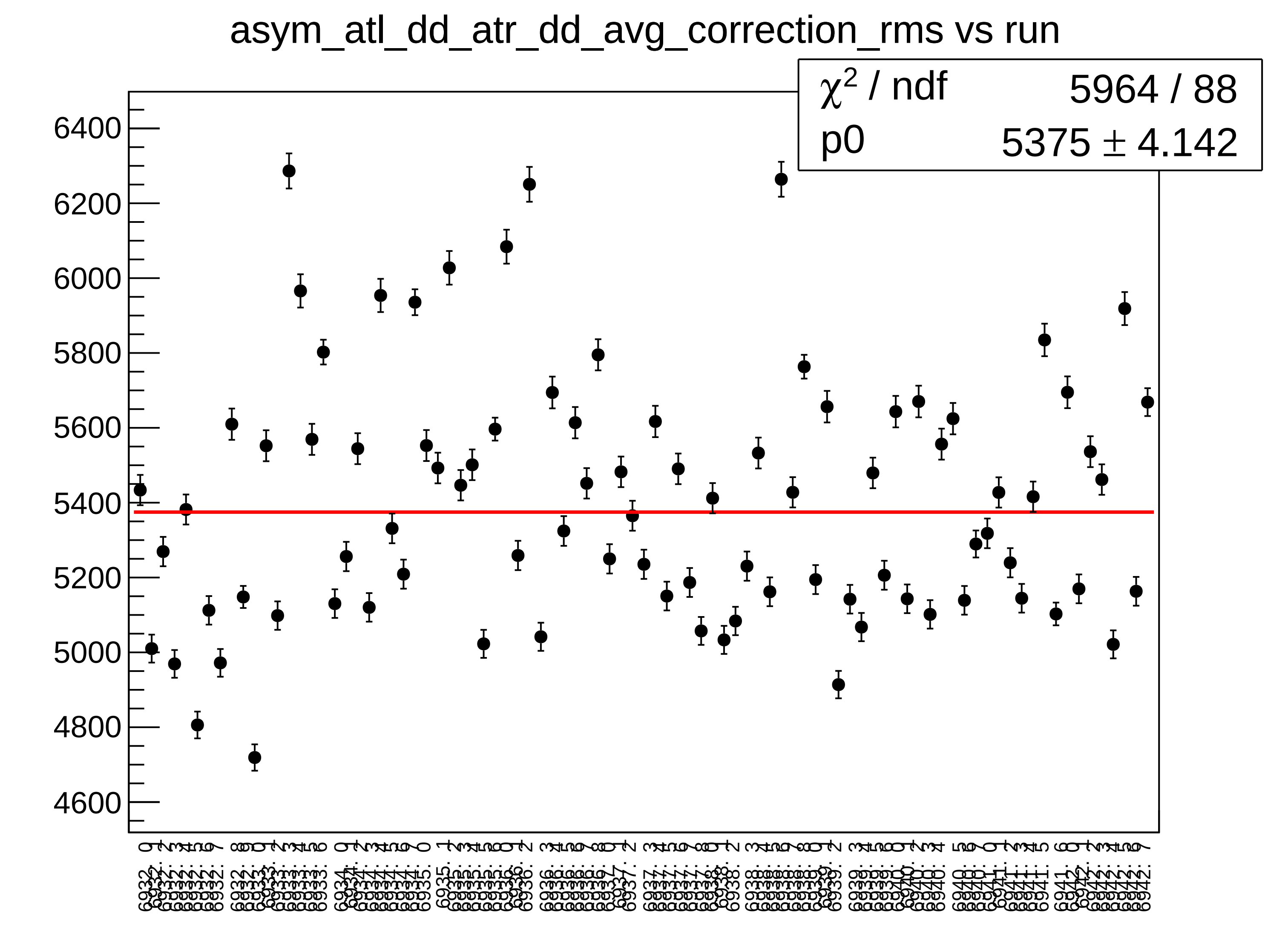
dit_asym_atl_dd_atr_dd_avg_mean vs run
χ2 / ndf 88.16 / 88
p0 −227 ± 1454
pull
Entries 89
Mean −122.5
Std Dev 135.7
pull1D
Entries 89
Mean −0.01386
Std Dev 0.9952

dit_asym_atl_dd_atr_dd_avg_rms vs run

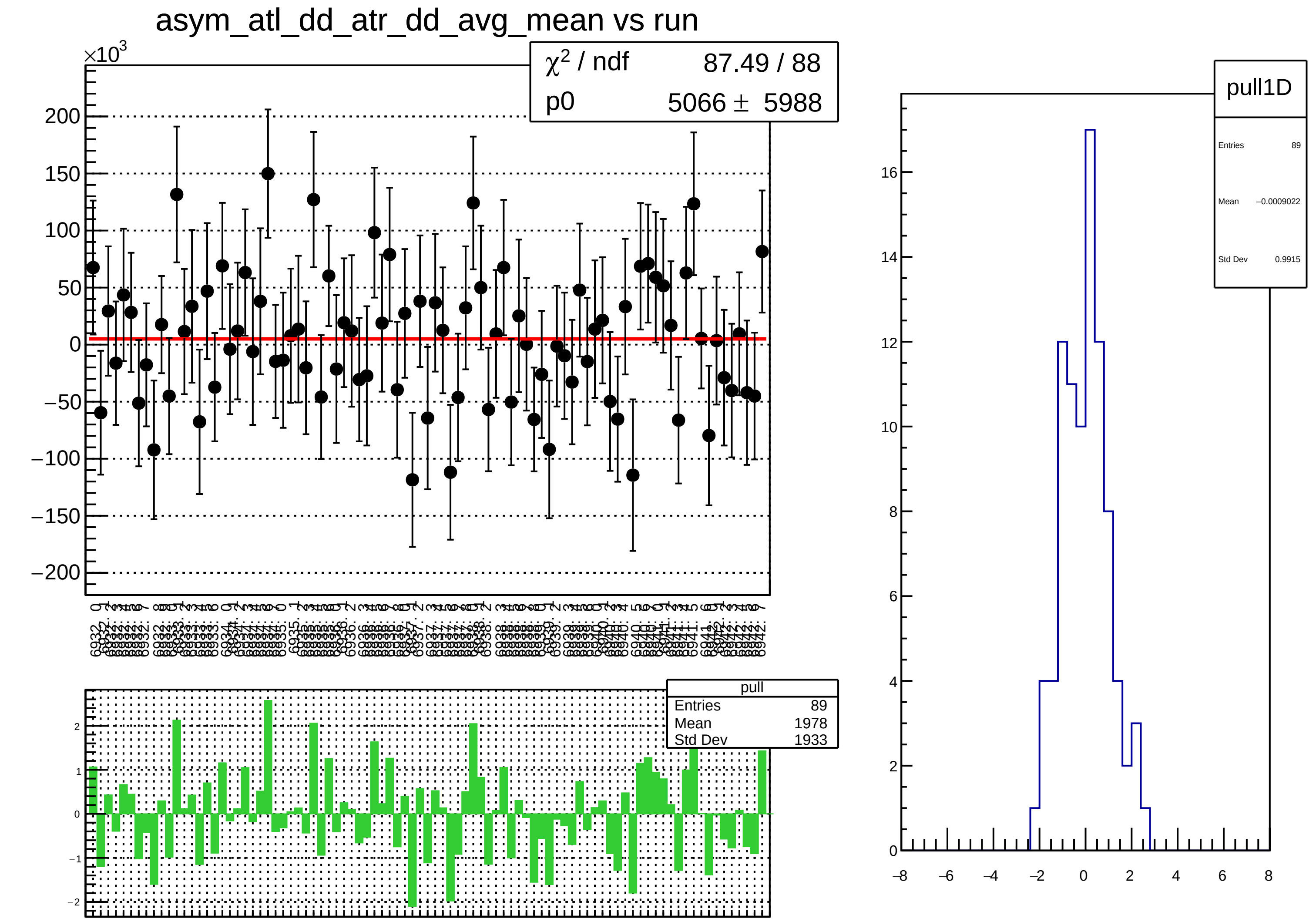


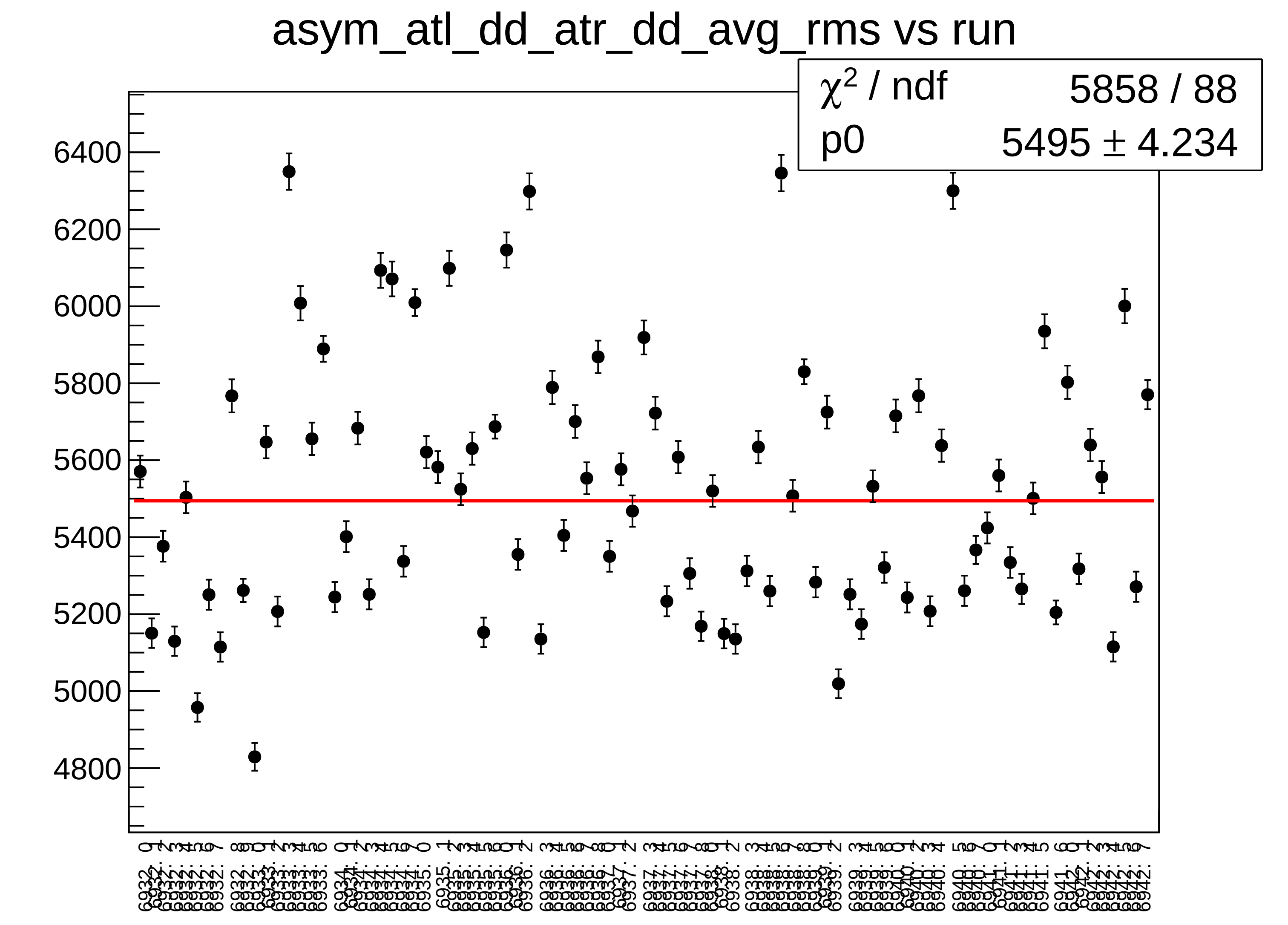


asym_atl_dd_atr_dd_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 85.1 / 88
p0 −5637 ± 5858
pull
Entries 89
Mean −3330
Std Dev 3368
pull1D
Entries 89
Mean −0.000686
Std Dev 0.9778

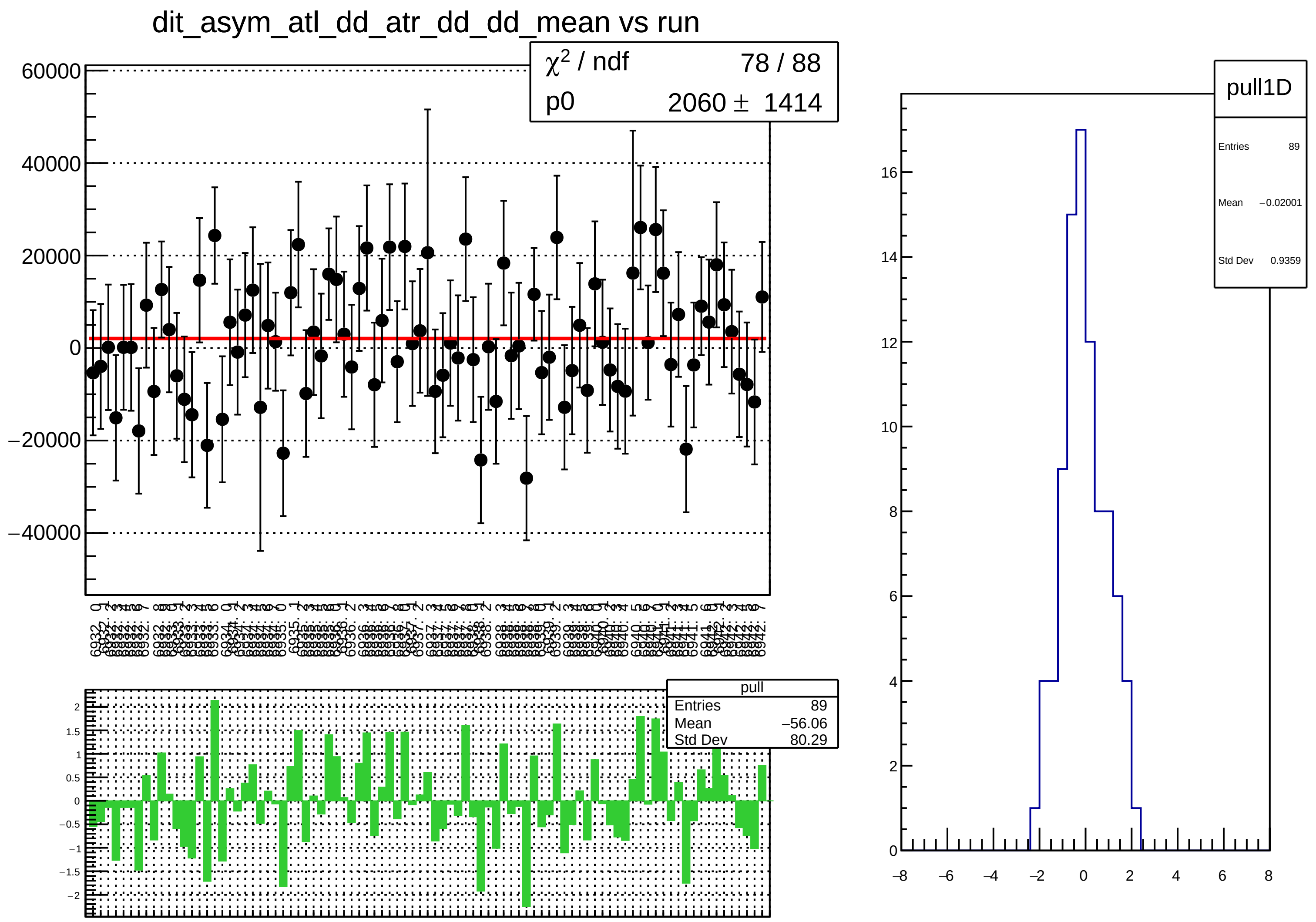


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 5964 / 88
p0 5375 ± 4.142
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

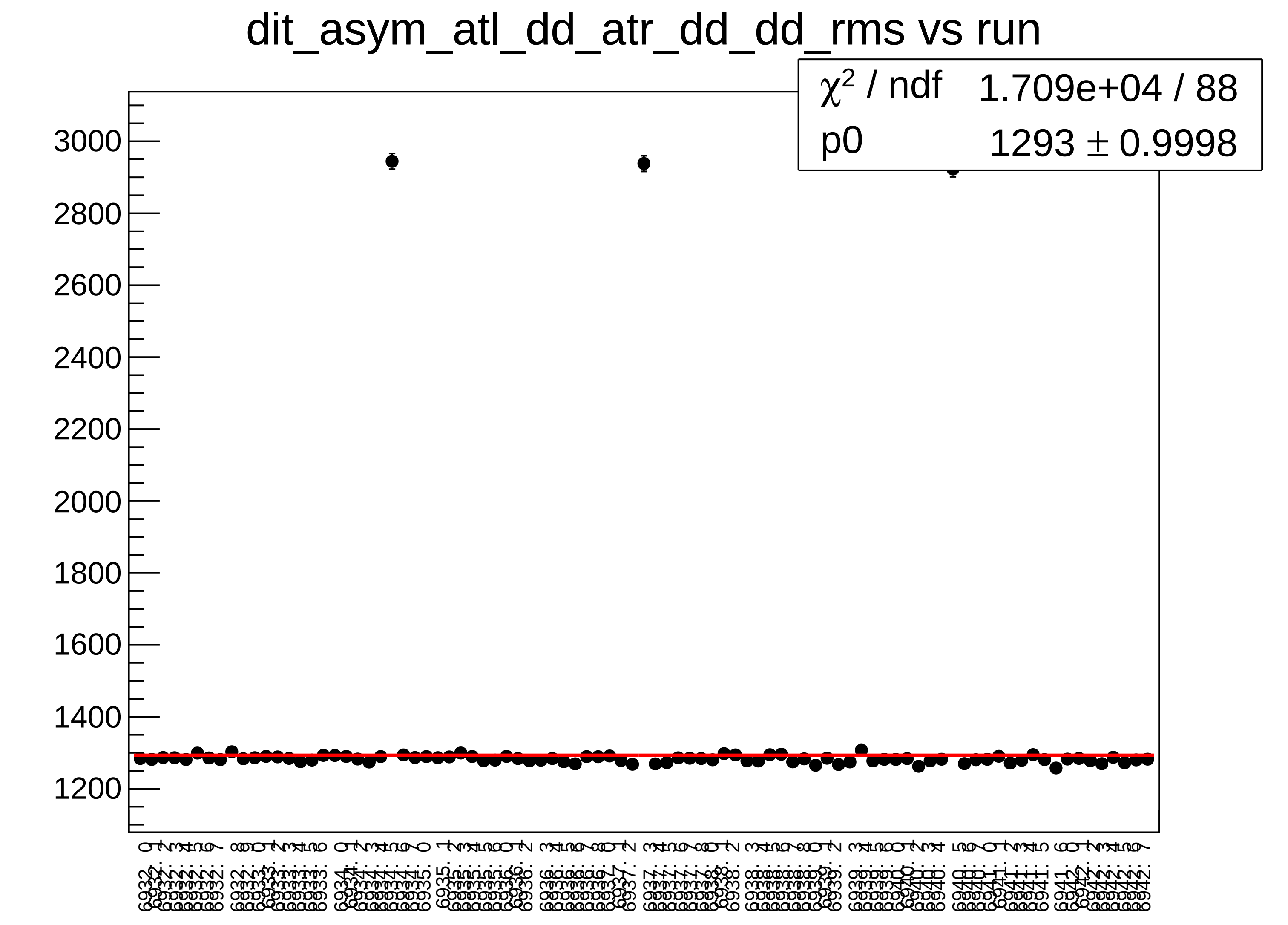

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 87.49 / 88
p0 5066 ± 5988
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 1978
Std Dev 1933
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.0009022
Std Dev 0.9915
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

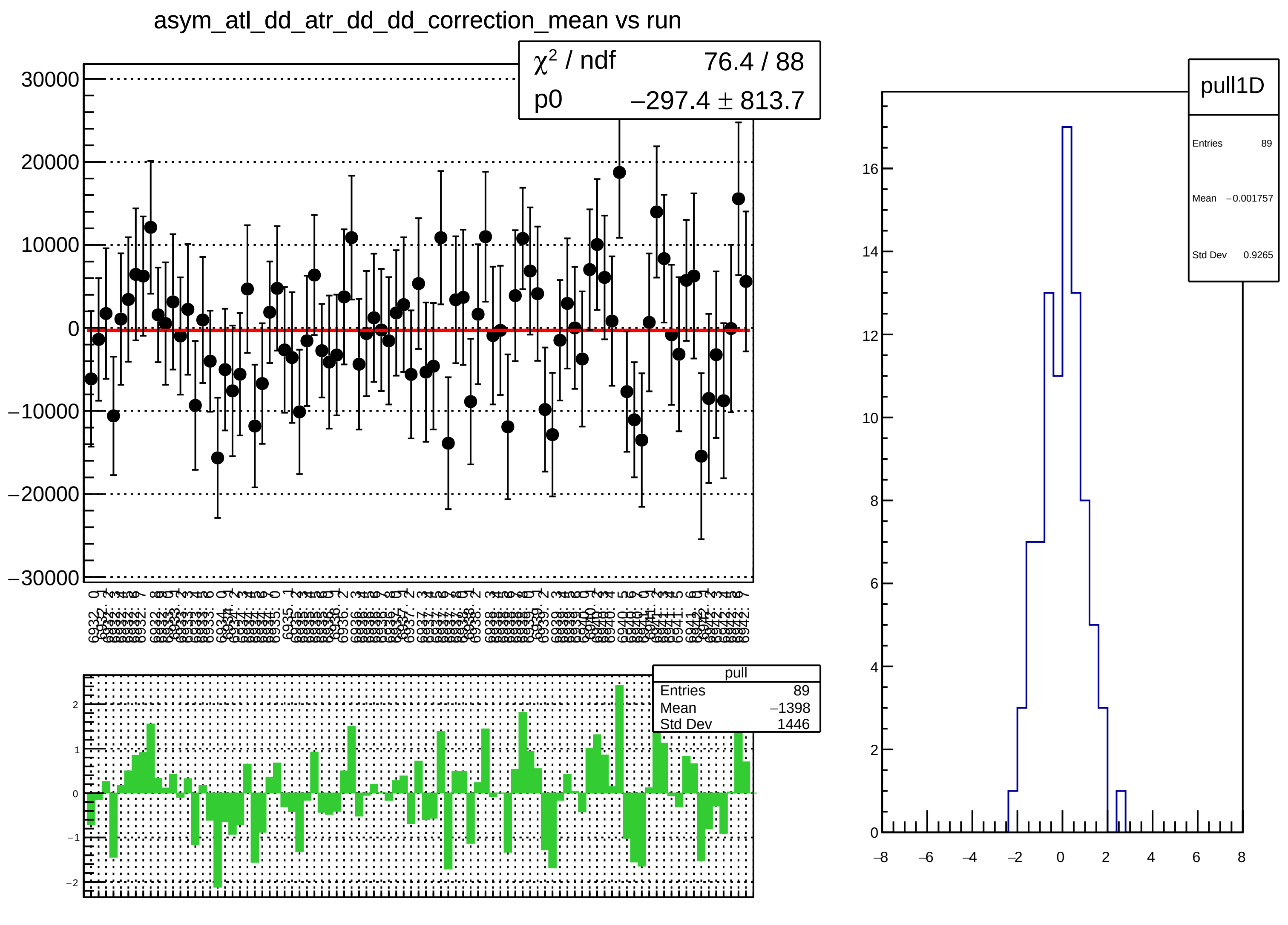


asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 5858 / 88
p0 5495 ± 4.234
6400
6200
6000
5800
5600
5400
5200
5000
4800

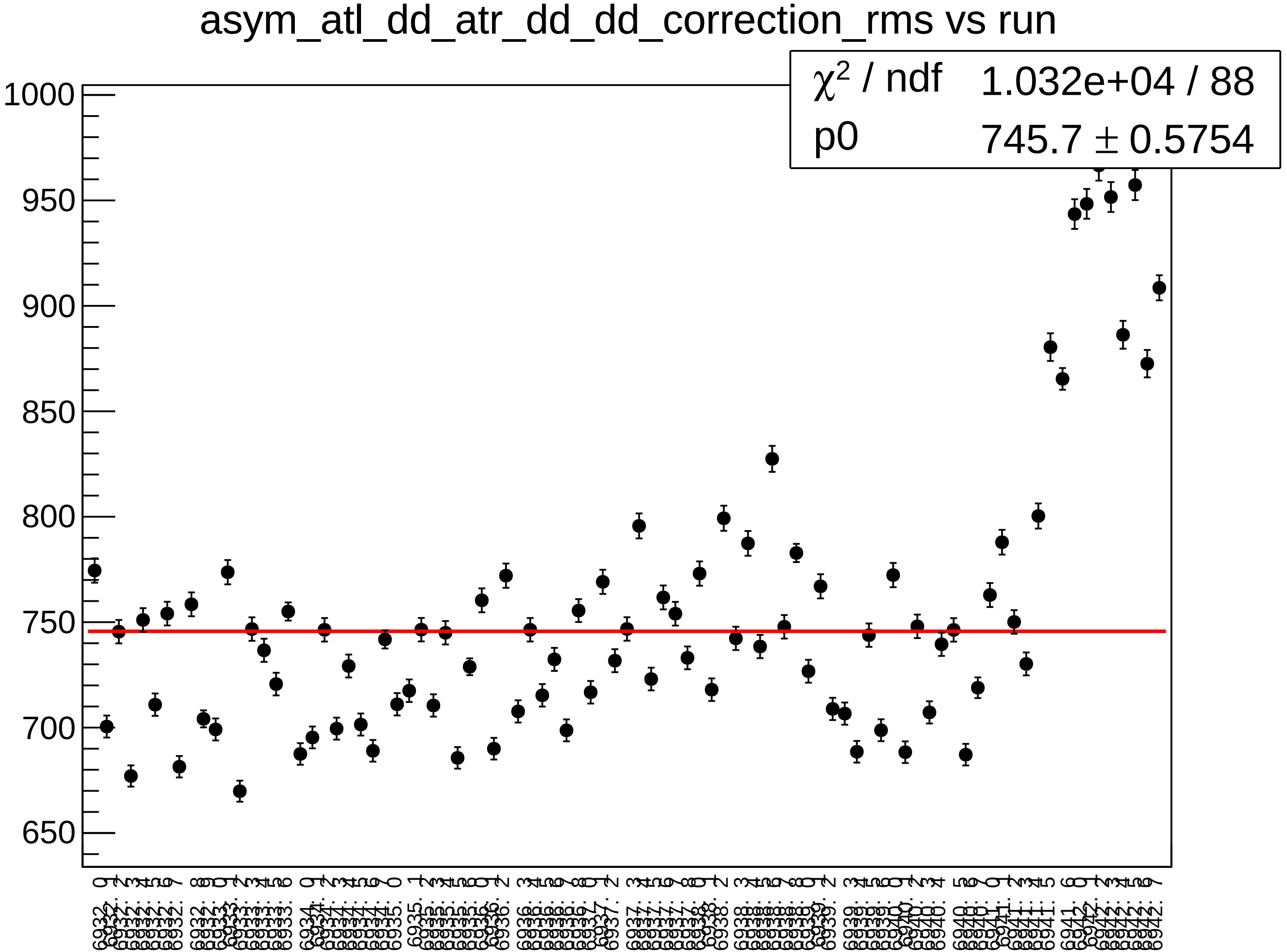


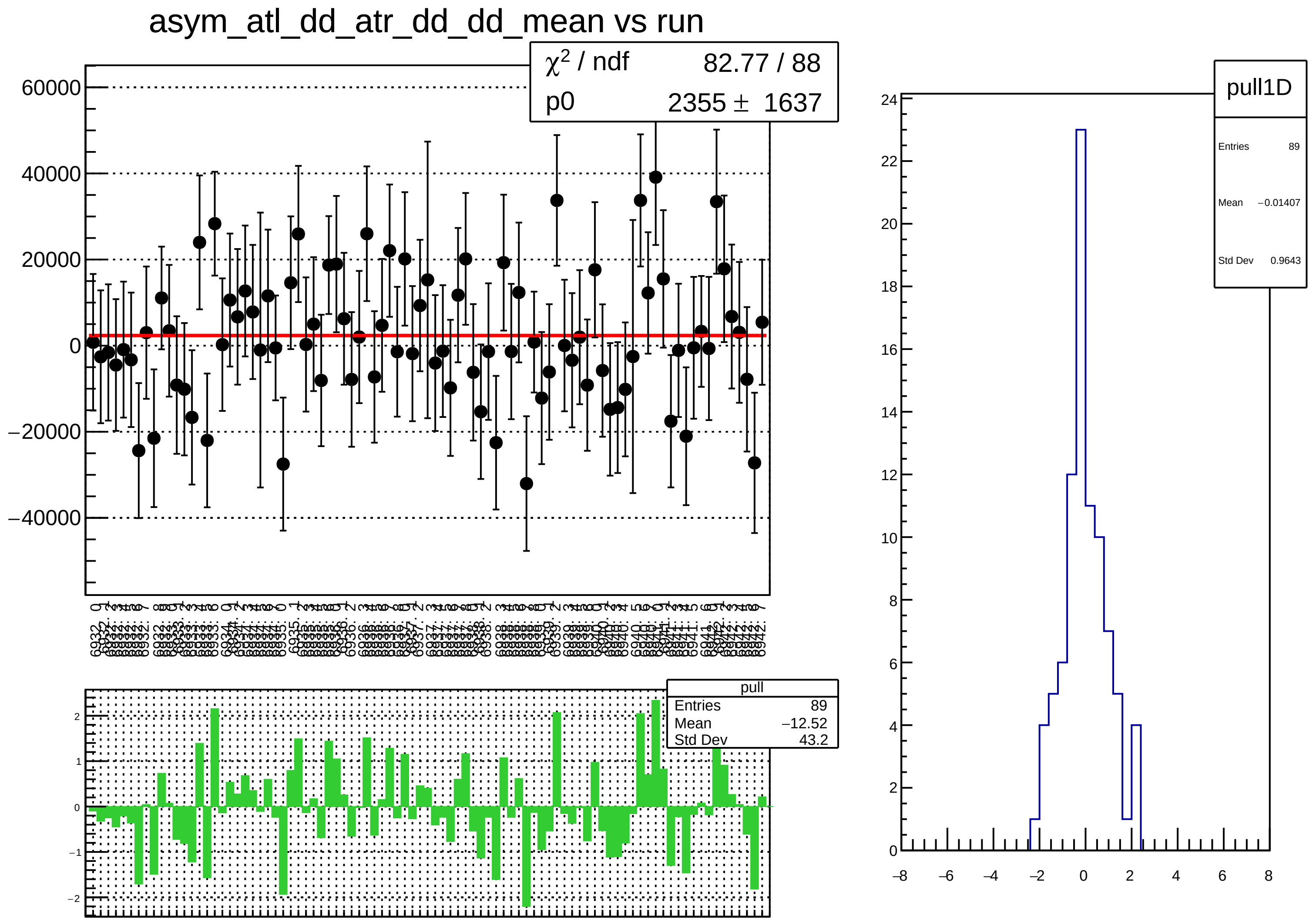
dit_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 78 / 88
p0 2060 ± 1414
60000
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −56.06
Std Dev 80.29
pull1D
Entries 89
Mean −0.02001
Std Dev 0.9359


dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.709e+04 / 88
p0 1293 ± 0.9998
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

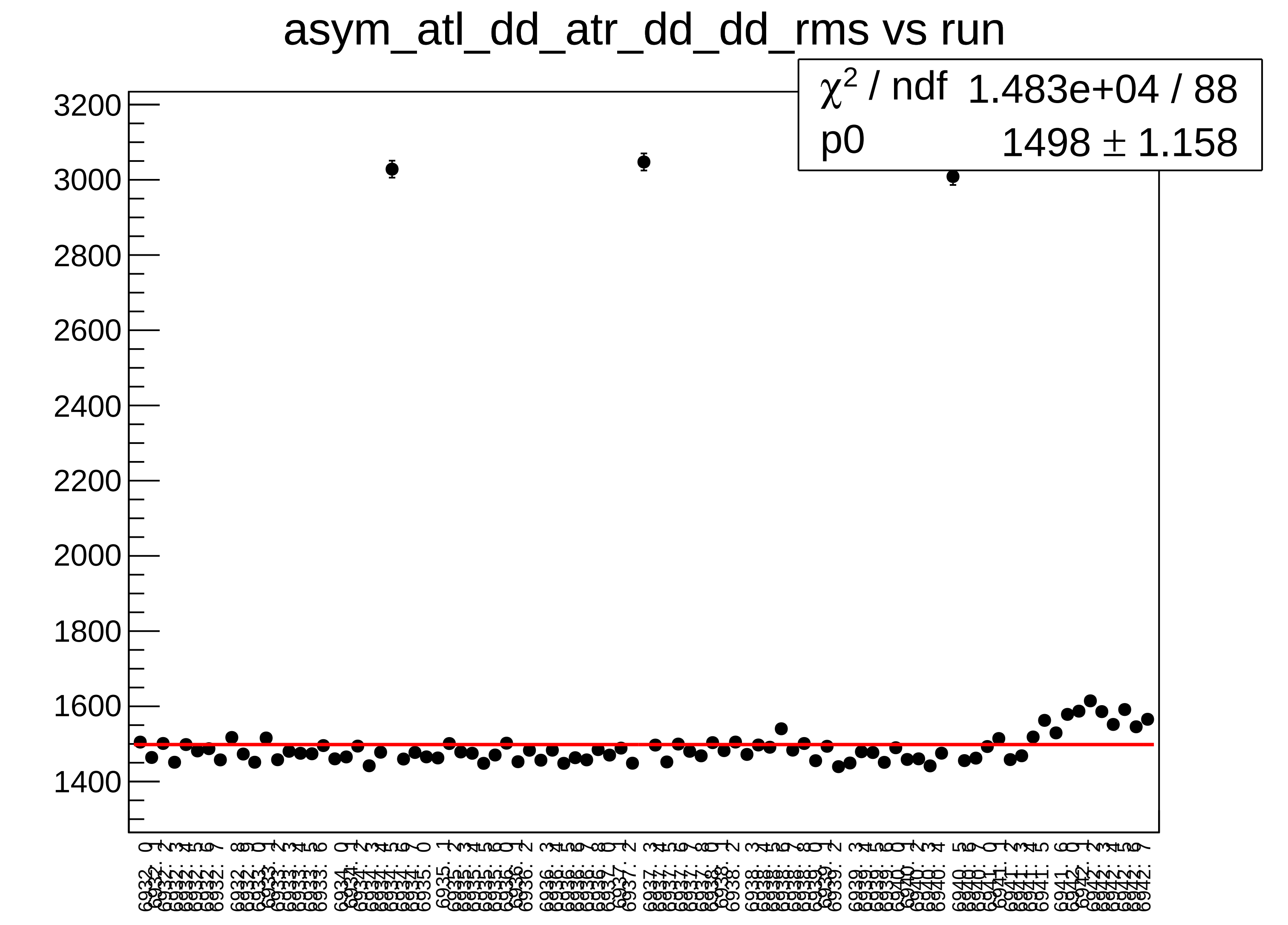


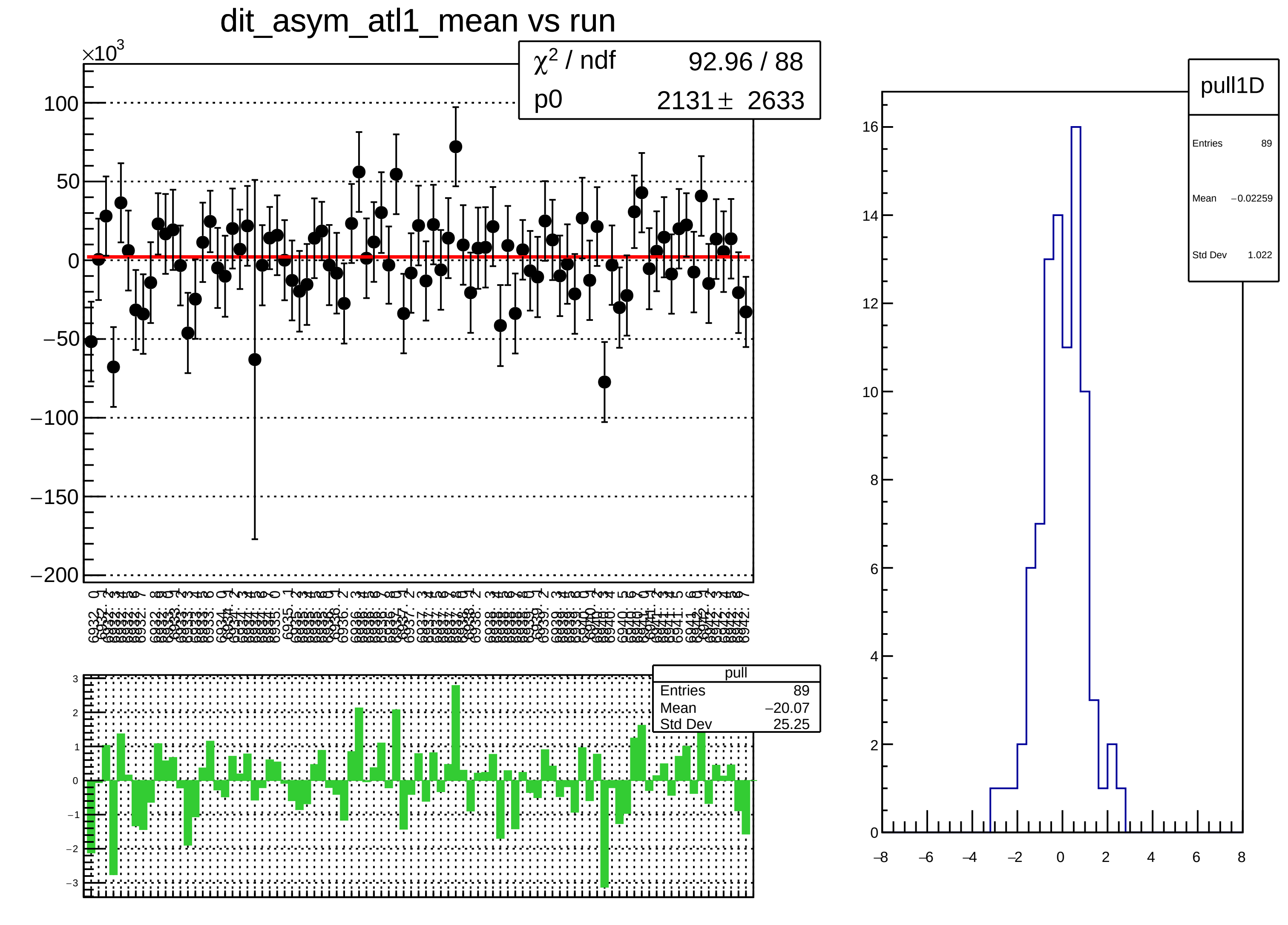
asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 76.4 / 88
p0 −297.4 ± 813.7
pull
Entries 89
Mean −1398
Std Dev 1446
pull1D
Entries 89
Mean −0.001757
Std Dev 0.9265

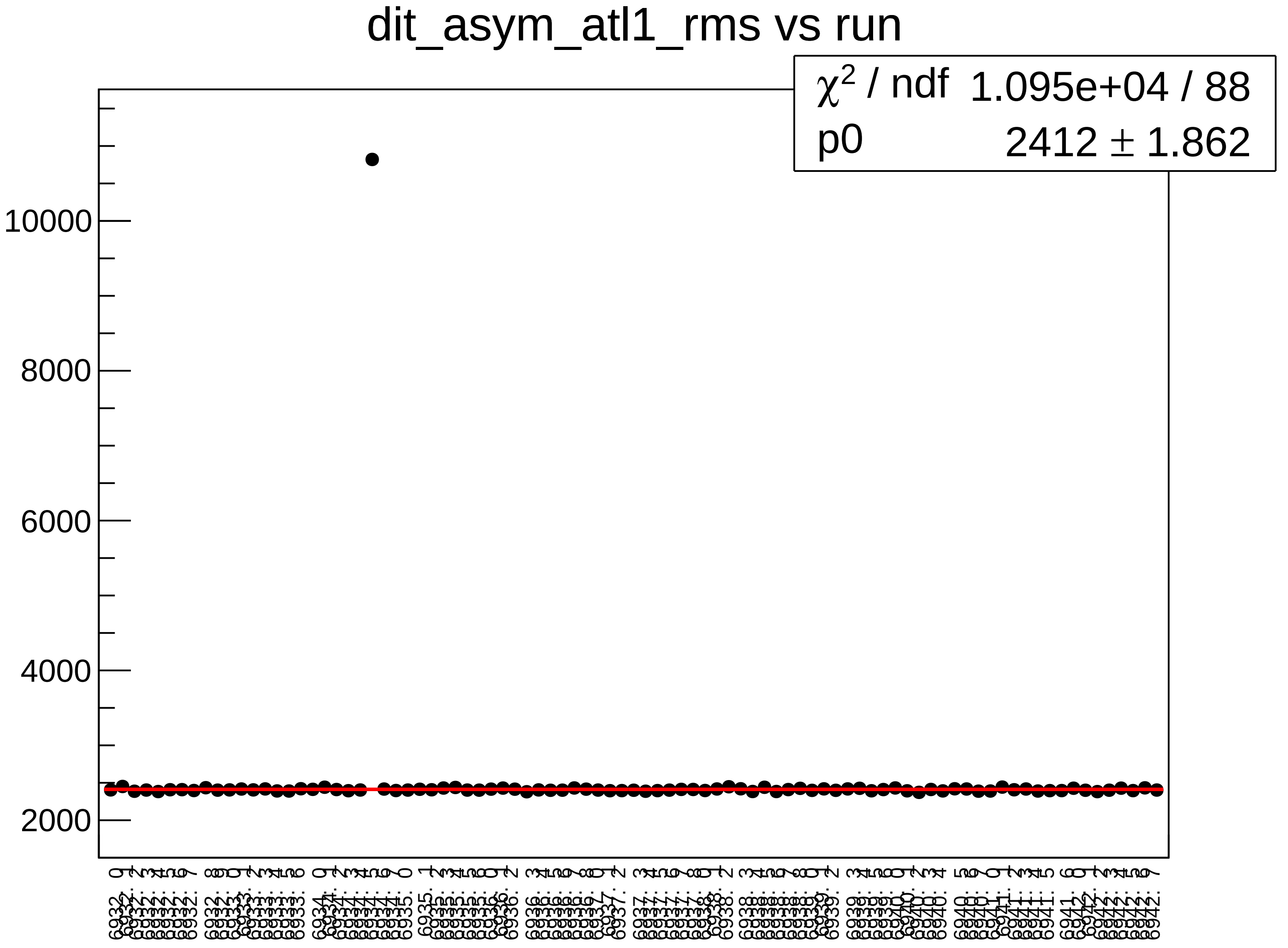

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ2 / ndf 1.032e+04 / 88
p0 745.7 ± 0.5754
1000
950
900
850
800
750
700
650

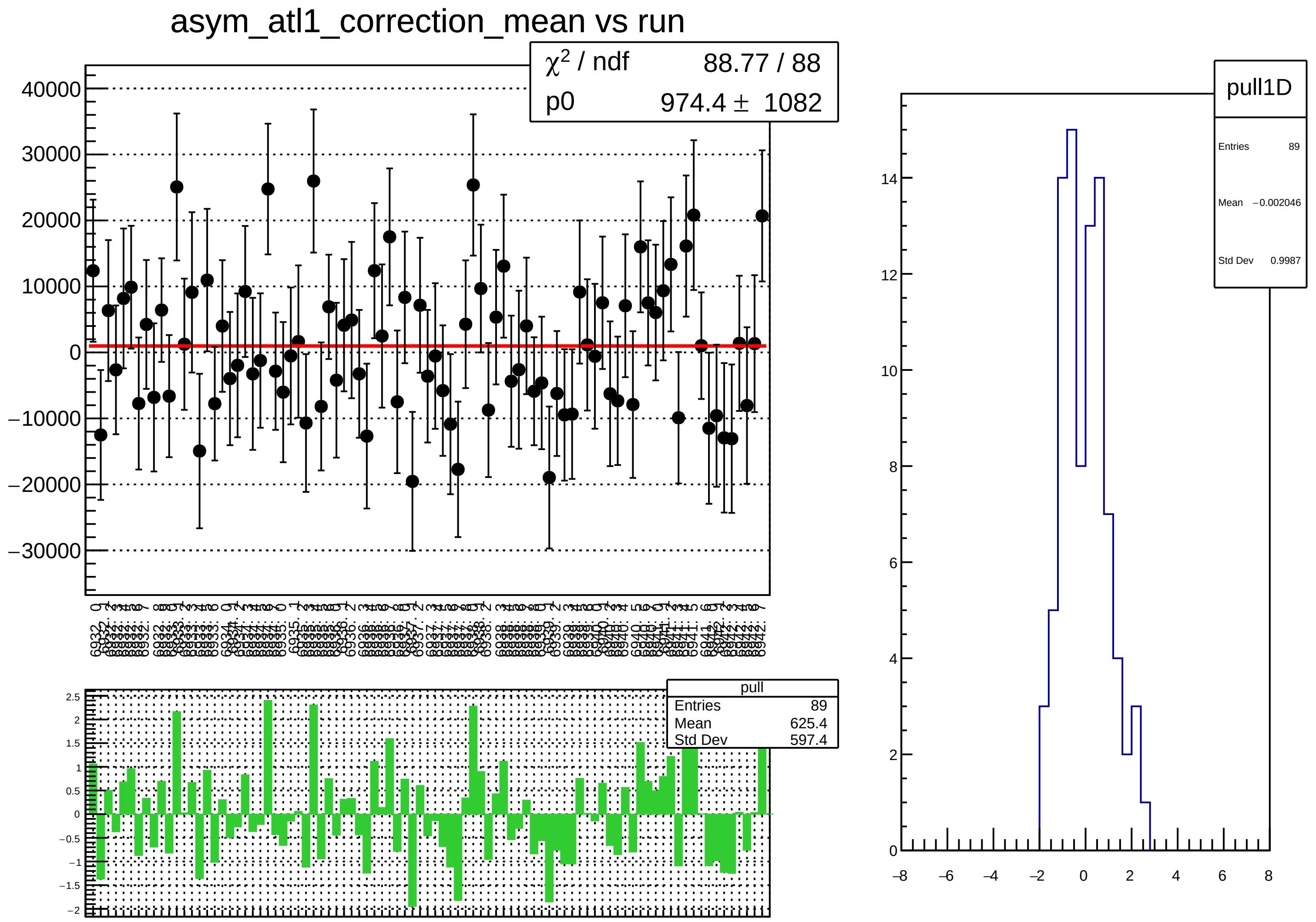


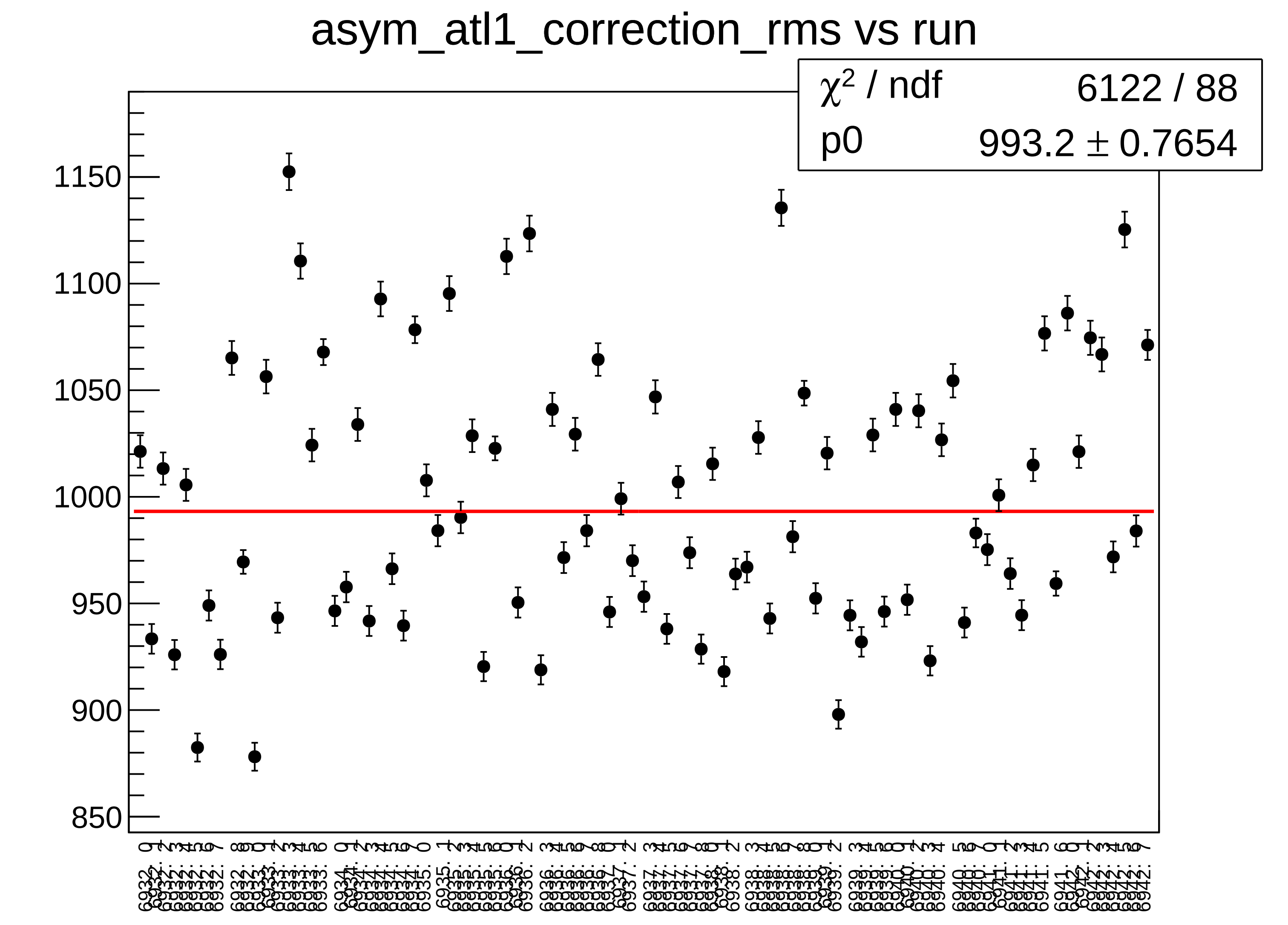
asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 82.77 / 88
p0 2355 ± 1637
pull
Entries 89
Mean −12.52
Std Dev 43.2
pull1D
Entries 89
Mean −0.01407
Std Dev 0.9643


asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.483e+04 / 88
p0 1498 ± 1.158
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

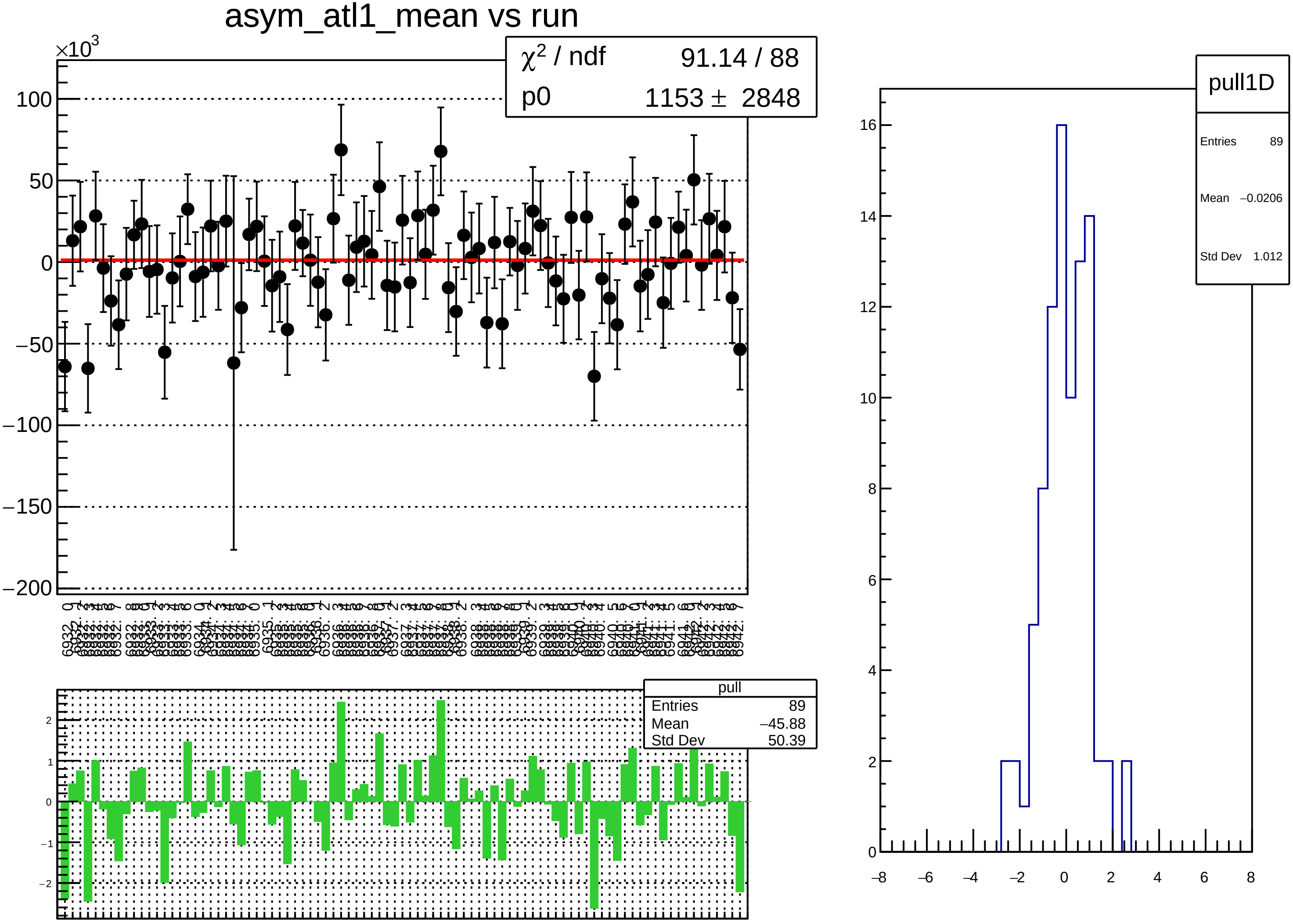

dit_asym_atl1_mean vs run
×10^3
χ2 / ndf 92.96 / 88
p0 2131 ± 2633
pull
Entries 89
Mean −20.07
Std Dev 25.25
pull1D
Entries 89
Mean −0.02259
Std Dev 1.022

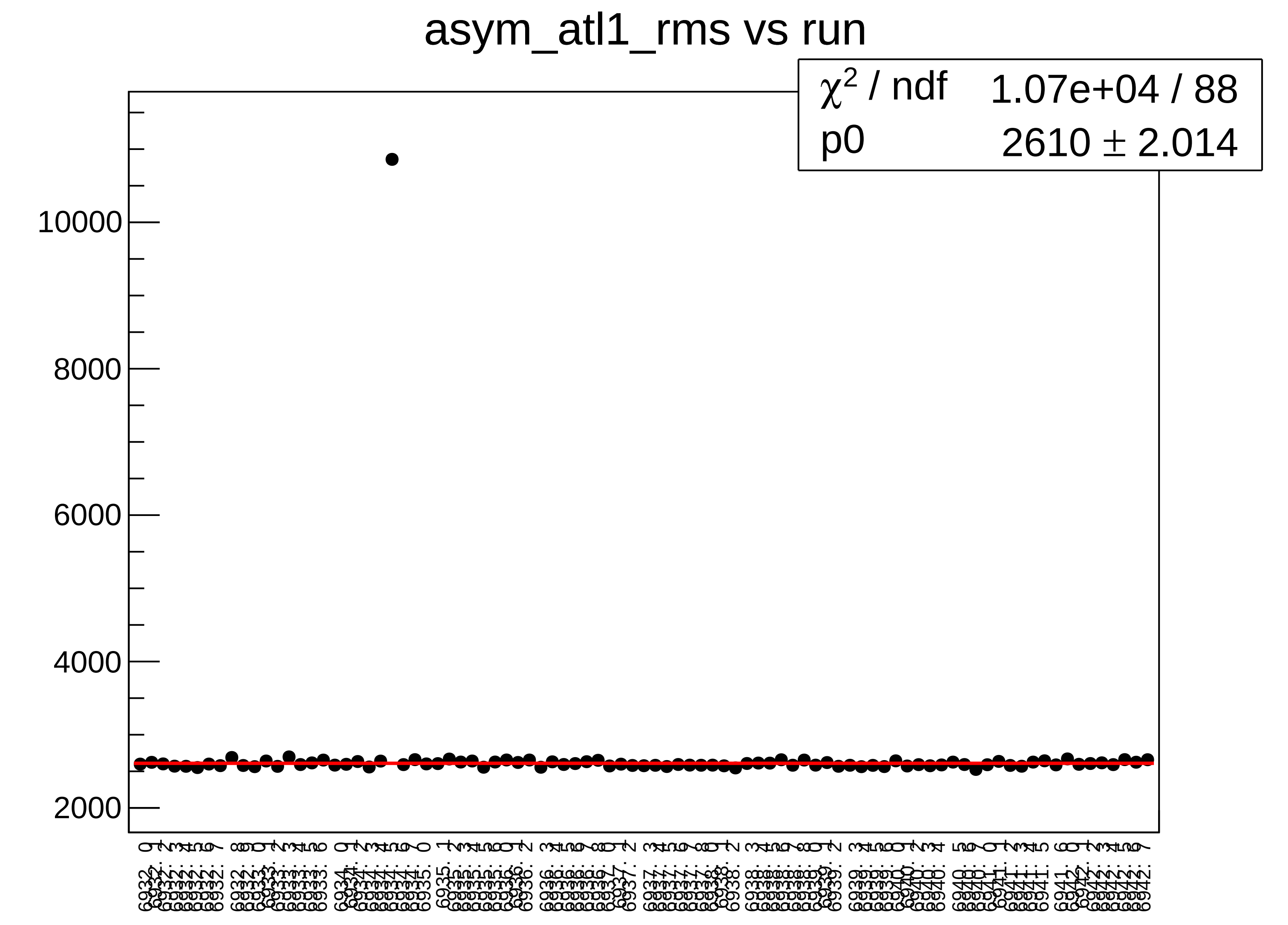

dit_asym_atl1_rms vs run
χ2 / ndf 1.095e+04 / 88
p0 2412 ± 1.862
10000
8000
6000
4000
2000


asym_atl1_correction_mean vs run
χ^2 / ndf 88.77 / 88
p0 974.4 ± 1082
pull
Entries 89
Mean 625.4
Std Dev 597.4
pull1D
Entries 89
Mean −0.002046
Std Dev 0.9987

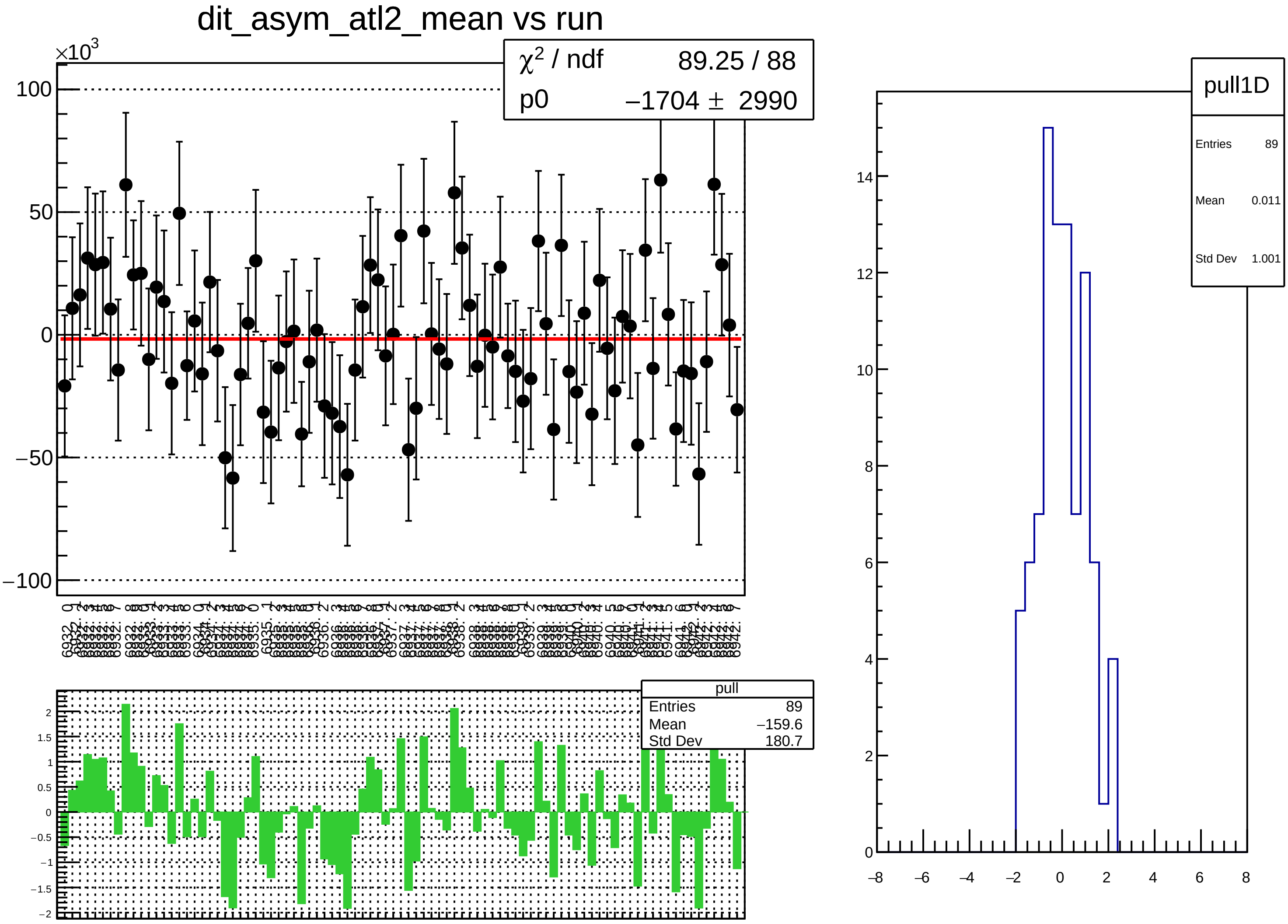


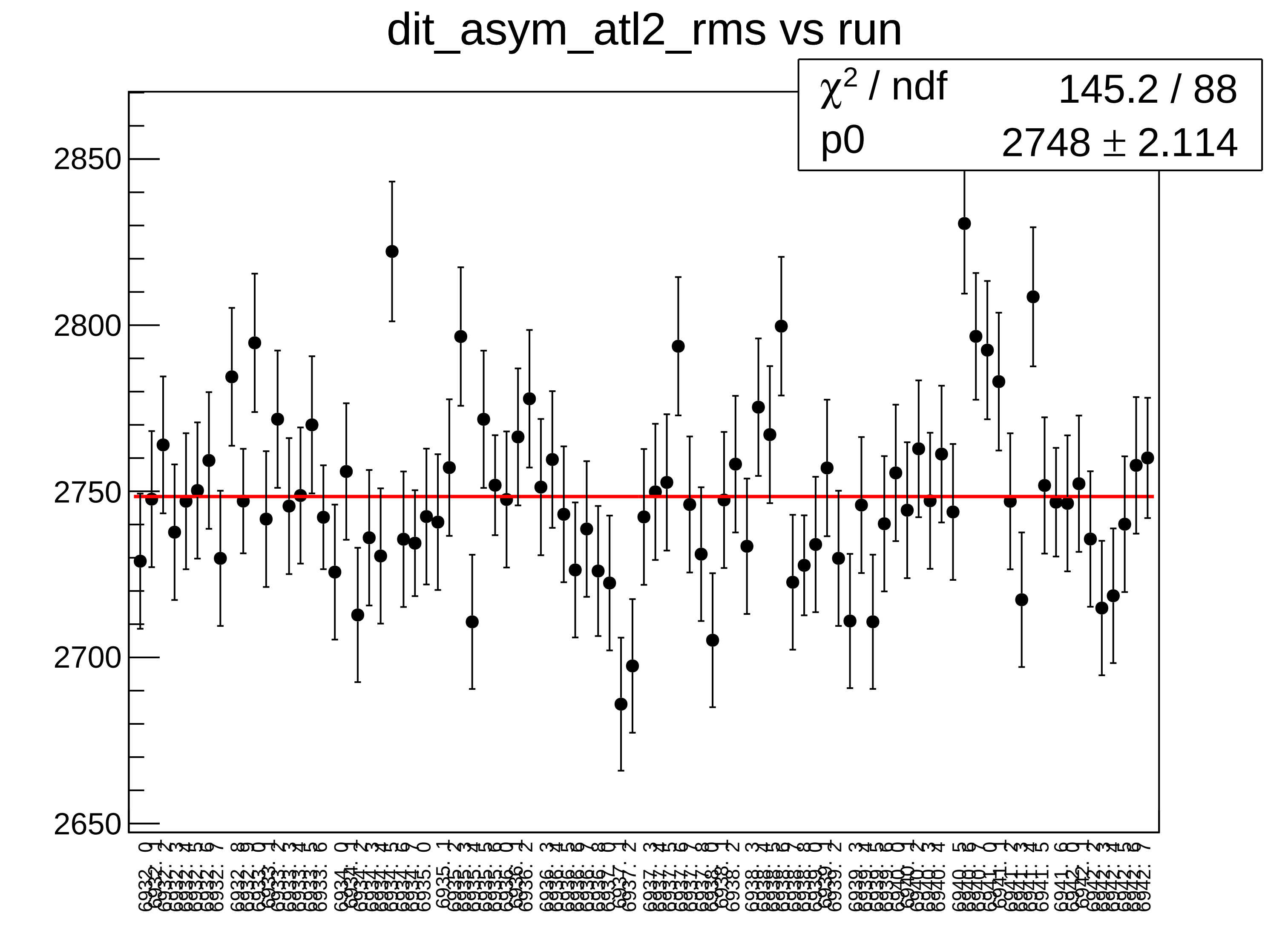
asym_atl1_correction_rms vs run
χ2 / ndf 6122 / 88
p0 993.2 ± 0.7654
1150
1100
1050
1000
950
900
850


asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 91.14 / 88
p0 1153 ± 2848
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean −45.88
Std Dev 50.39
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.0206
Std Dev 1.012
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

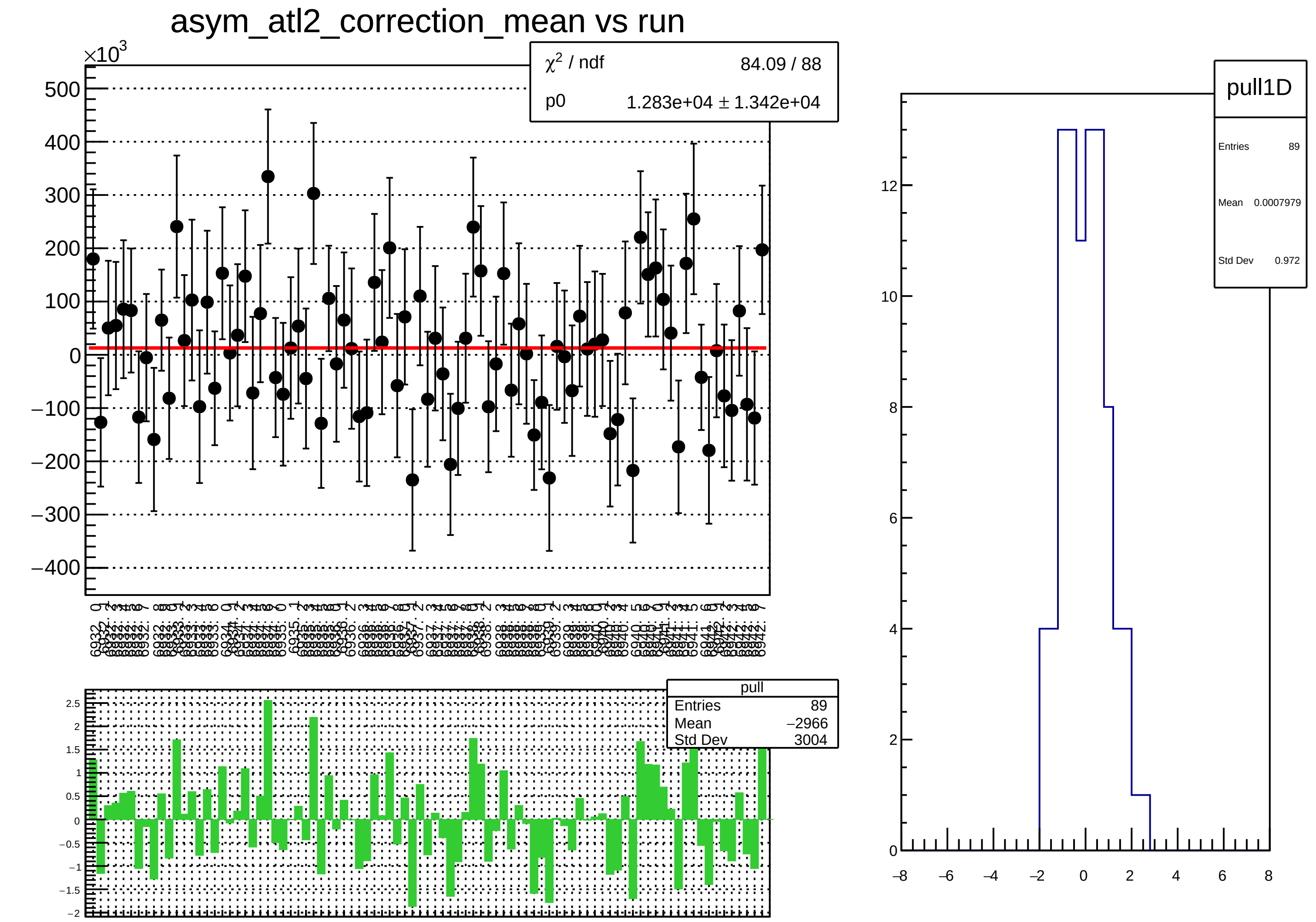


asym_atl1_rms vs run
χ^2 / ndf 1.07e+04 / 88
p0 2610 ± 2.014
10000
8000
6000
4000
2000

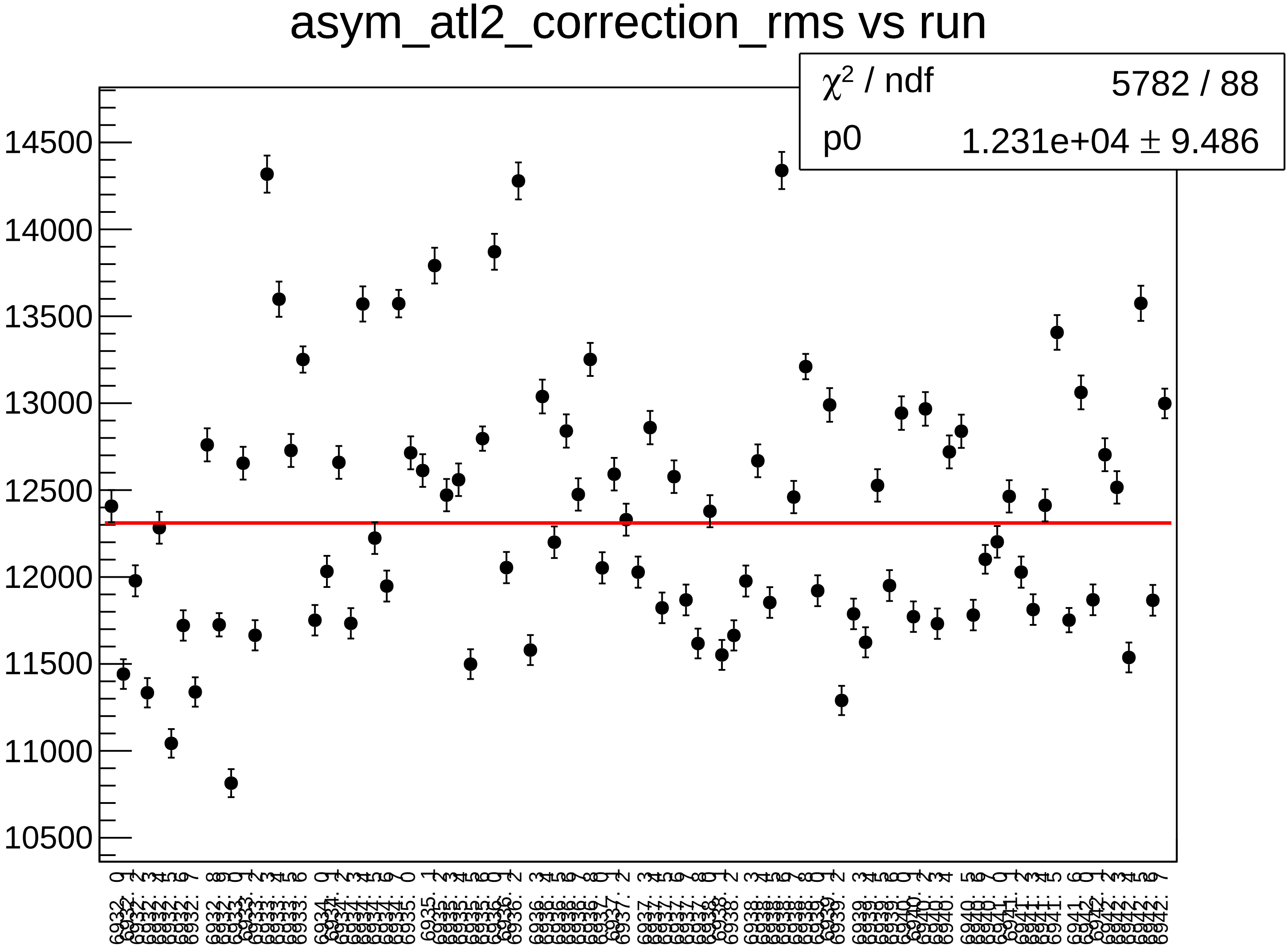

dit_asym_atl2_mean vs run
×10^3
χ2 / ndf 89.25 / 88
p0 −1704 ± 2990
100
50
0
−50
−100
pull
Entries 89
Mean −159.6
Std Dev 180.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.011
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

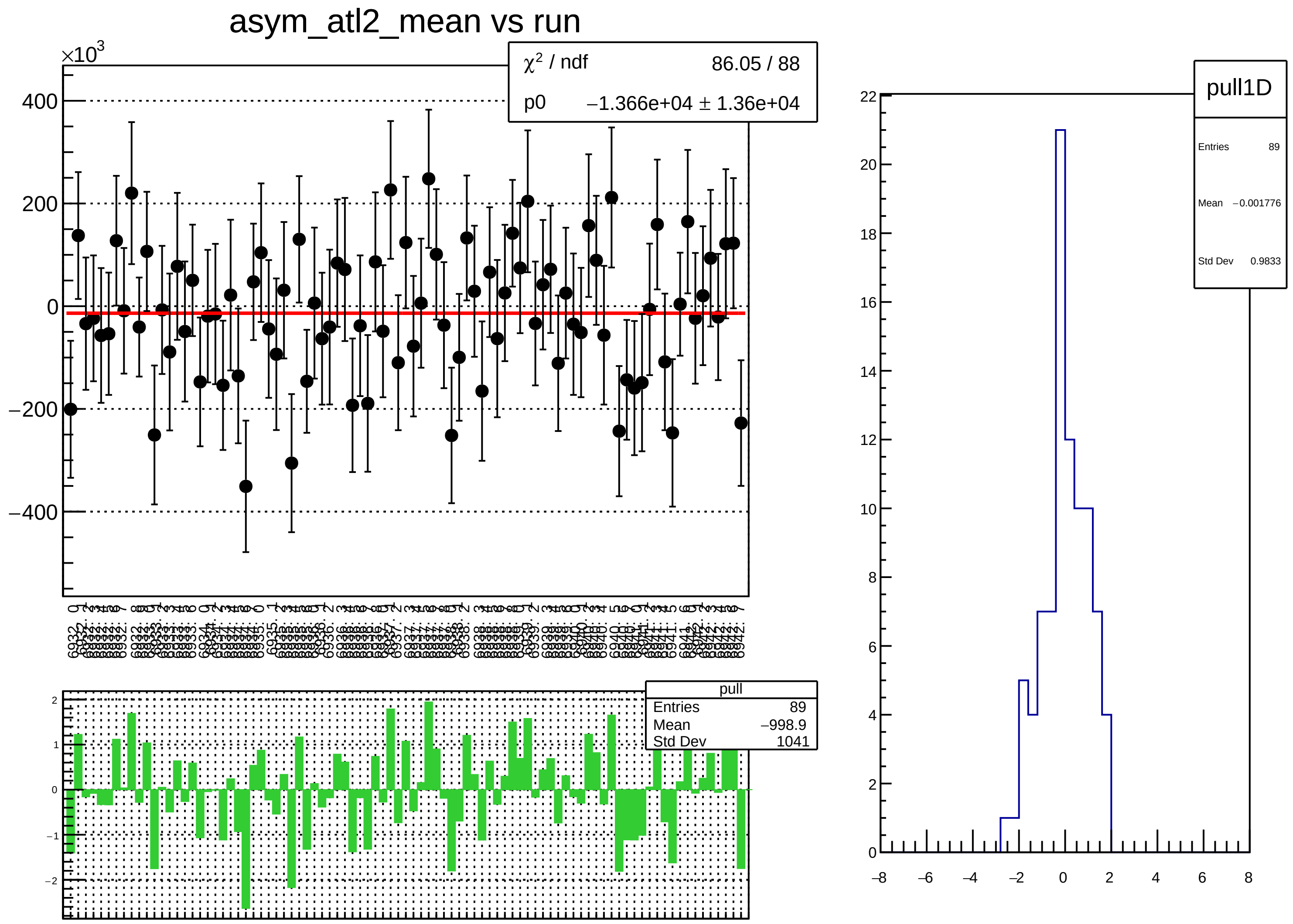


dit_asym_atl2_rms vs run
χ2 / ndf 145.2 / 88
p0 2748 ± 2.114
2850
2800
2750
2700
2650

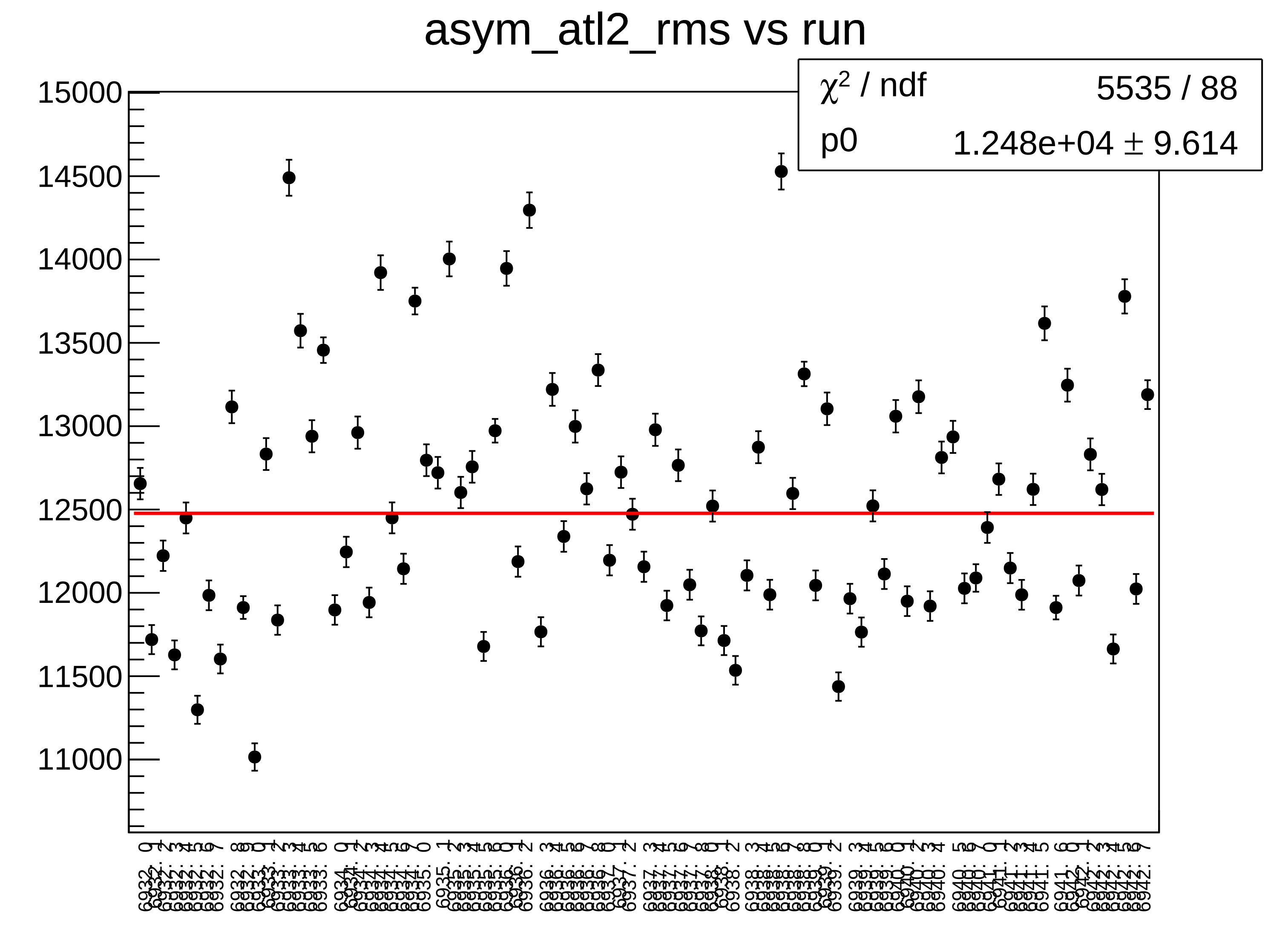


asym_atl2_correction_mean vs run
×10^3
χ2 / ndf 84.09 / 88
p0 1.283e+04 ± 1.342e+04
500
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 89
Mean −2966
Std Dev 3004
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.0007979
Std Dev 0.972
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

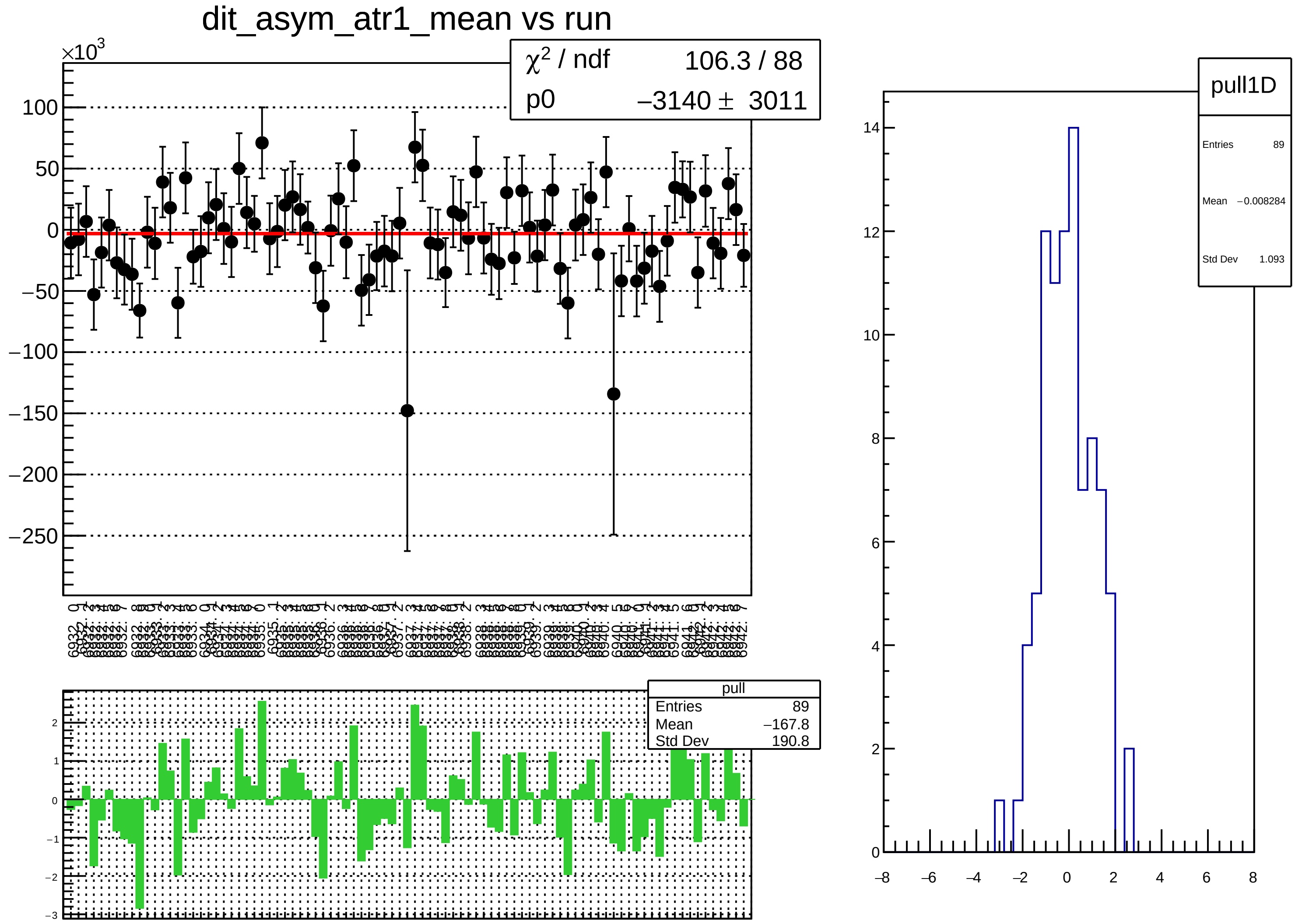

asym_atl2_correction_rms vs run
χ^2 / ndf
5782 / 88
p0
1.231e+04 ± 9.486
14500
14000
13500
13000
12500
12000
11500
11000
10500

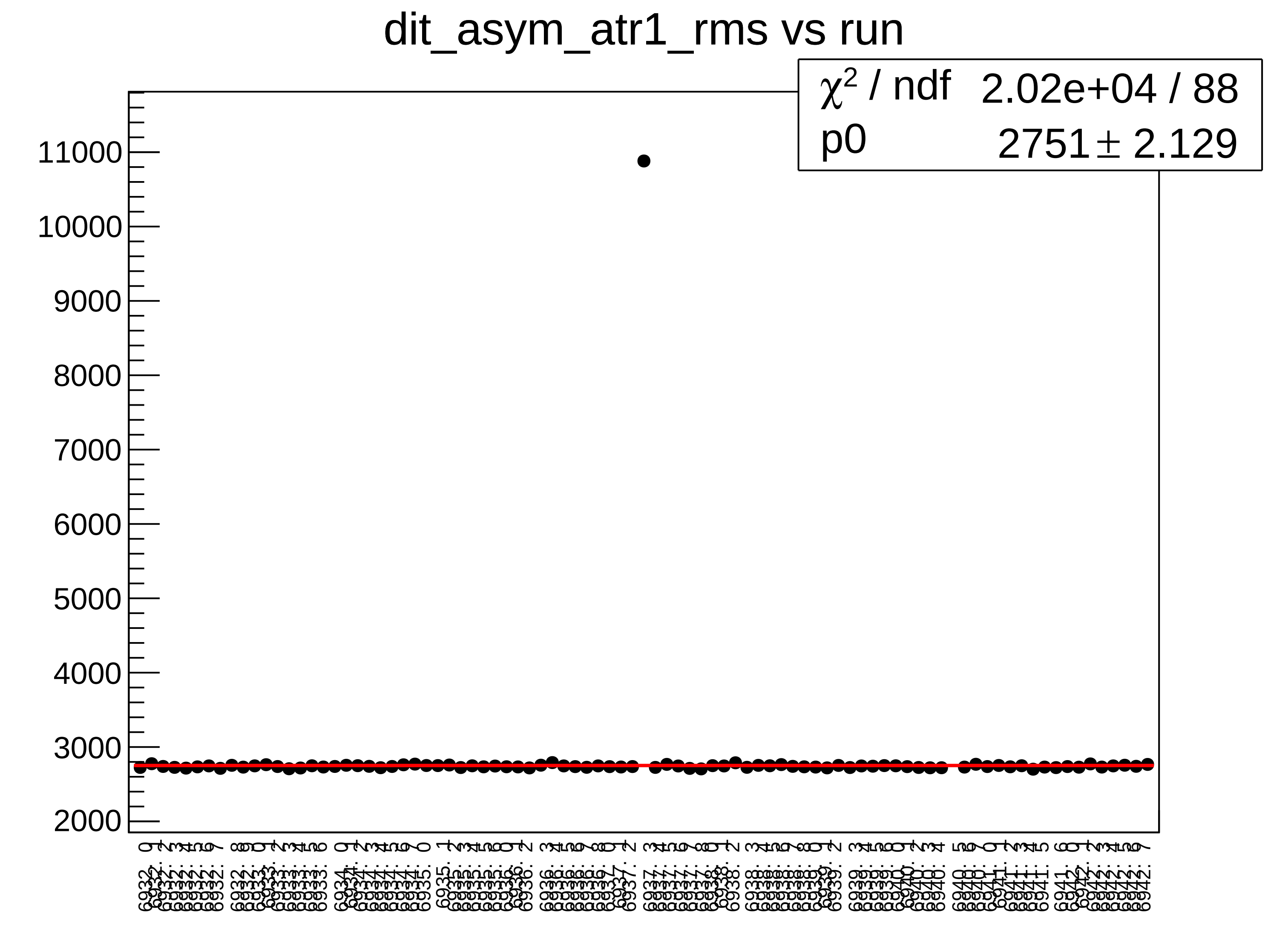


asym_atl2_mean vs run
×10^3
χ^2 / ndf 86.05 / 88
p0 −1.366e+04 ± 1.36e+04
400
200
0
−200
−400
pull
Entries 89
Mean −998.9
Std Dev 1041
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.001776
Std Dev 0.9833
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

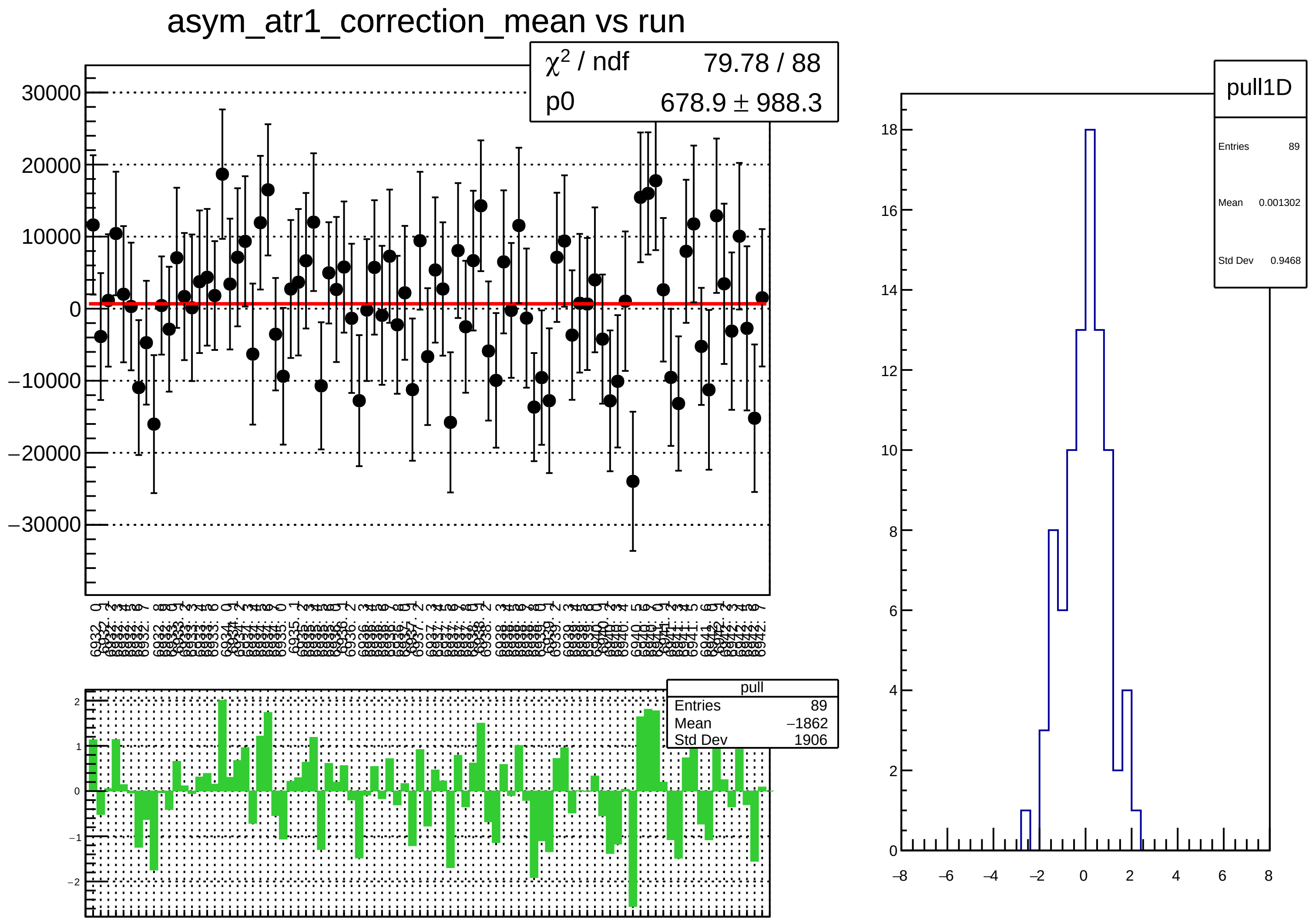


asym_atl2_rms vs run
χ^2 / ndf 5535 / 88
p0 1.248e+04 ± 9.614
15000
14500
14000
13500
13000
12500
12000
11500
11000

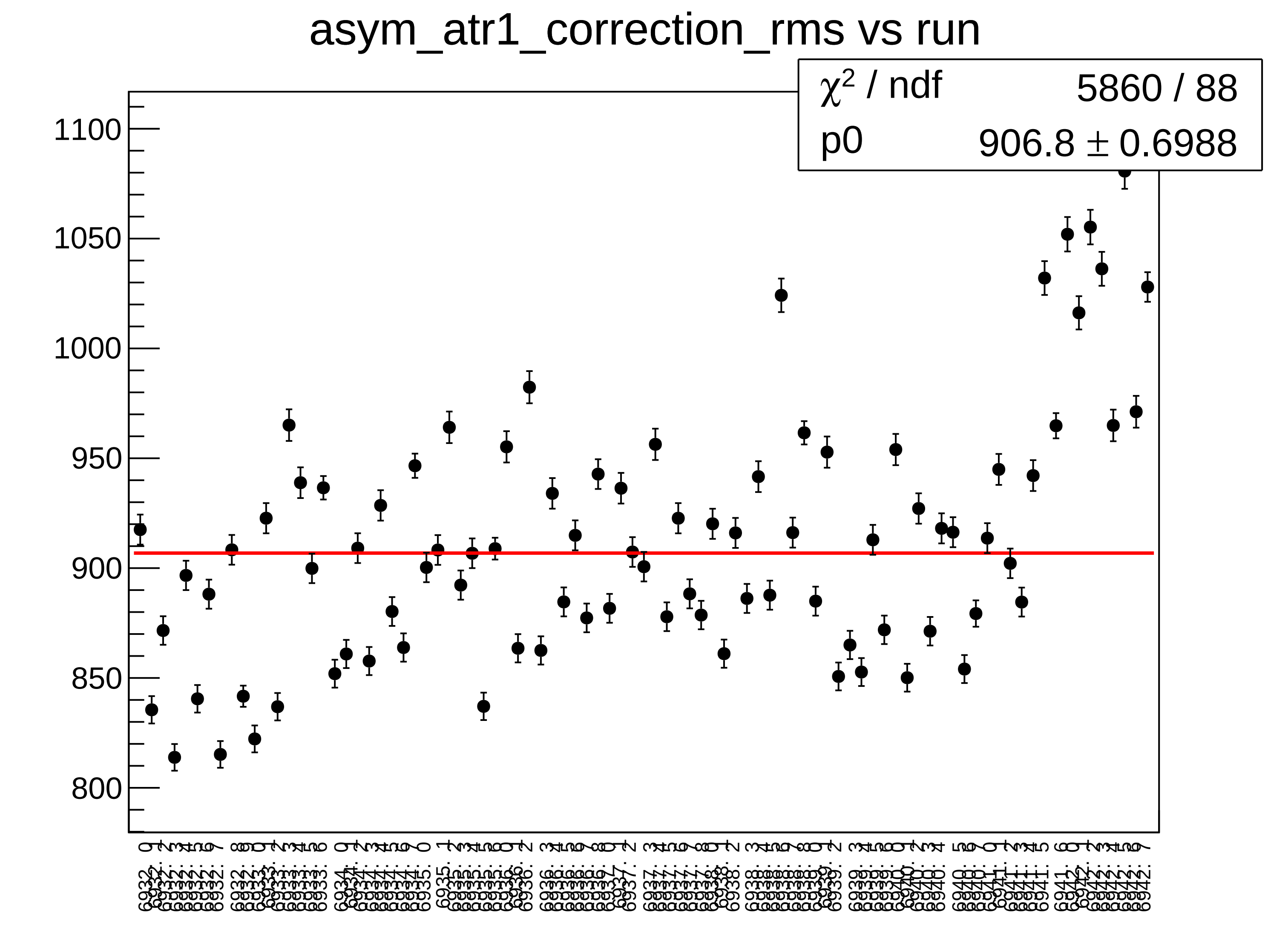

dit_asym_atr1_mean vs run
×10^3
χ2 / ndf 106.3 / 88
p0 −3140 ± 3011
pull
Entries 89
Mean −167.8
Std Dev 190.8
pull1D
Entries 89
Mean −0.008284
Std Dev 1.093



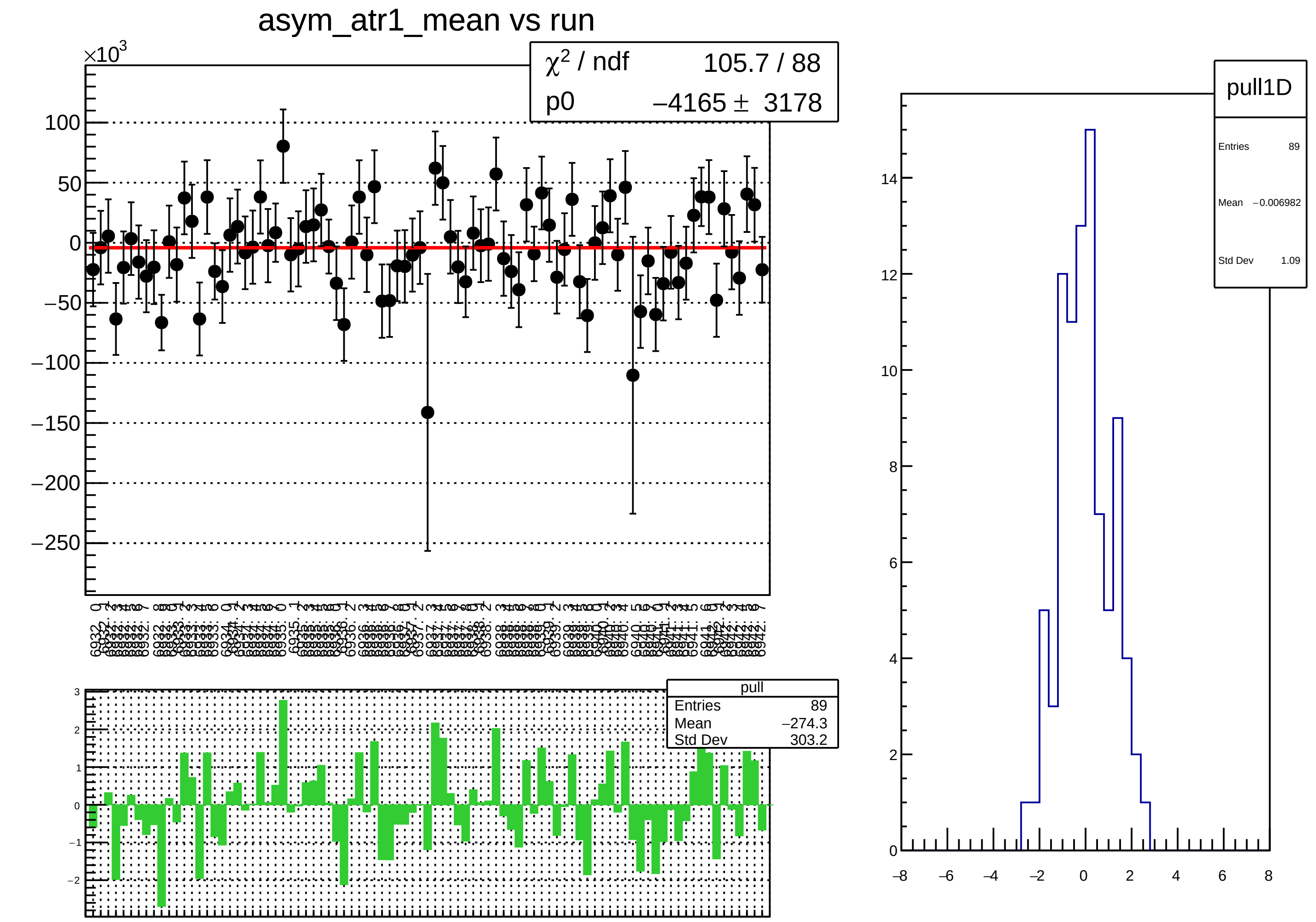
dit_asym_atr1_rms vs run
χ2 / ndf 2.02e+04 / 88
p0 2751 ± 2.129
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

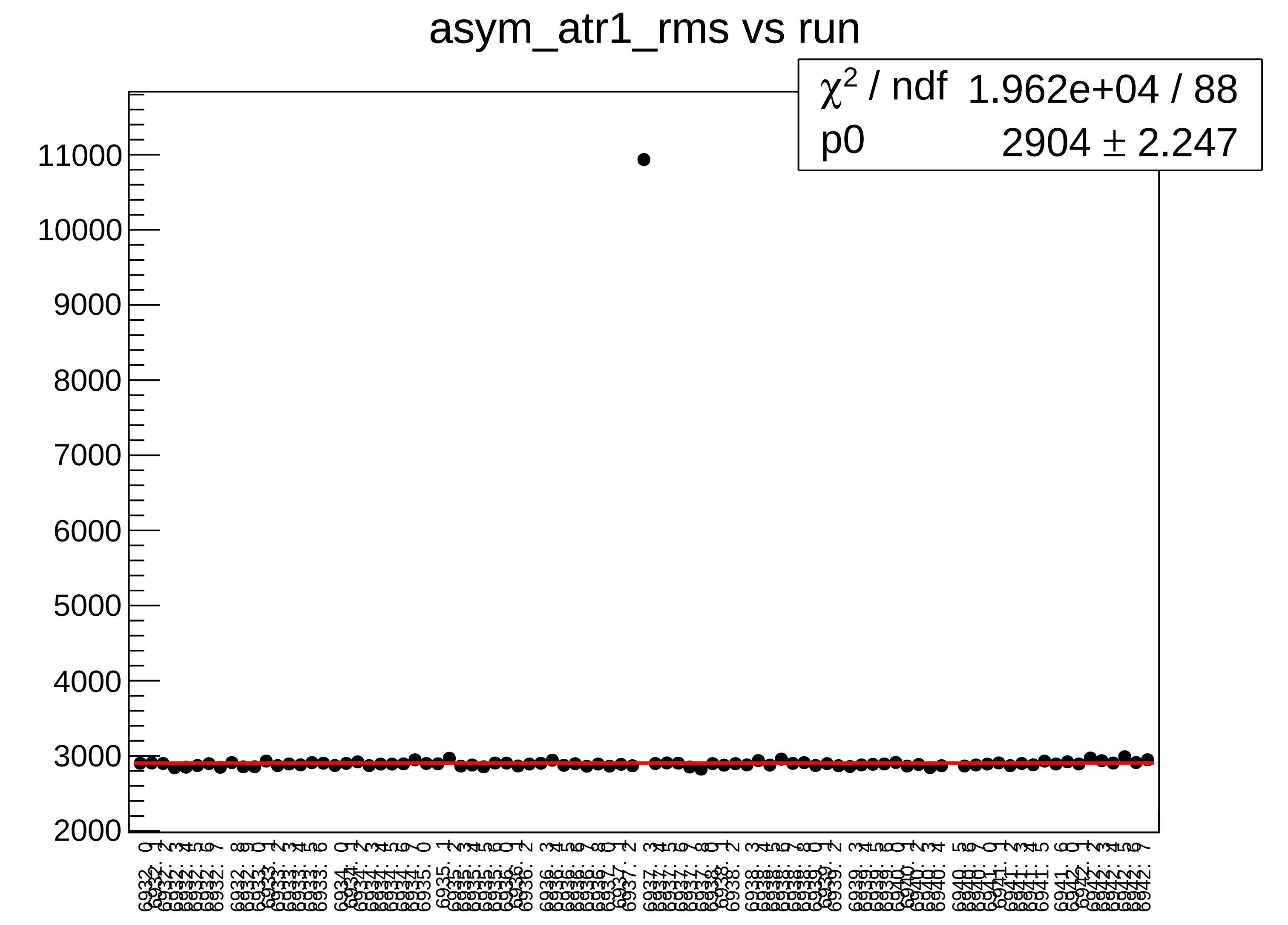


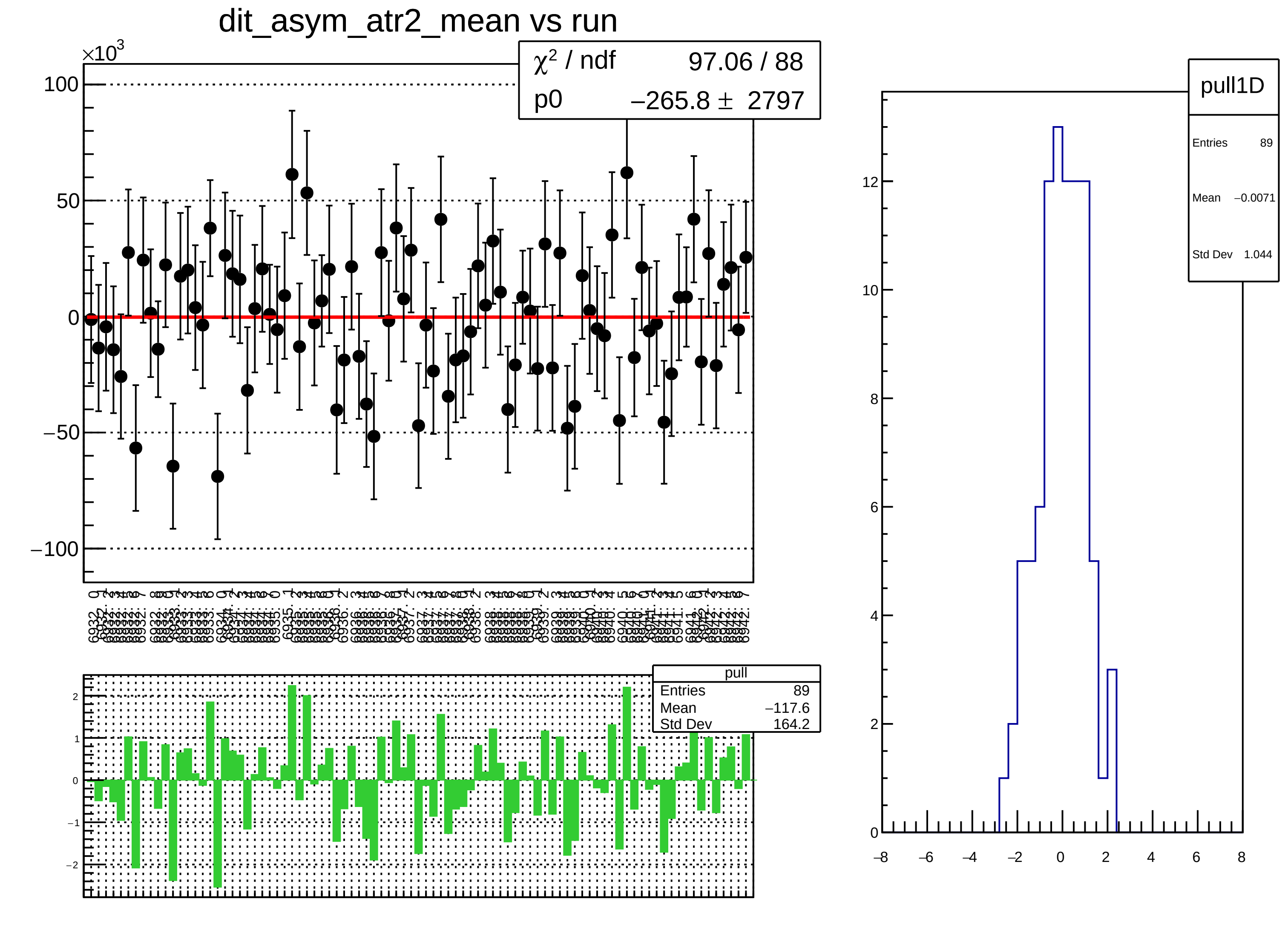
asym_atr1_correction_mean vs run
χ^2 / ndf 79.78 / 88
p0 678.9 ± 988.3
pull
Entries 89
Mean −1862
Std Dev 1906
pull1D
Entries 89
Mean 0.001302
Std Dev 0.9468

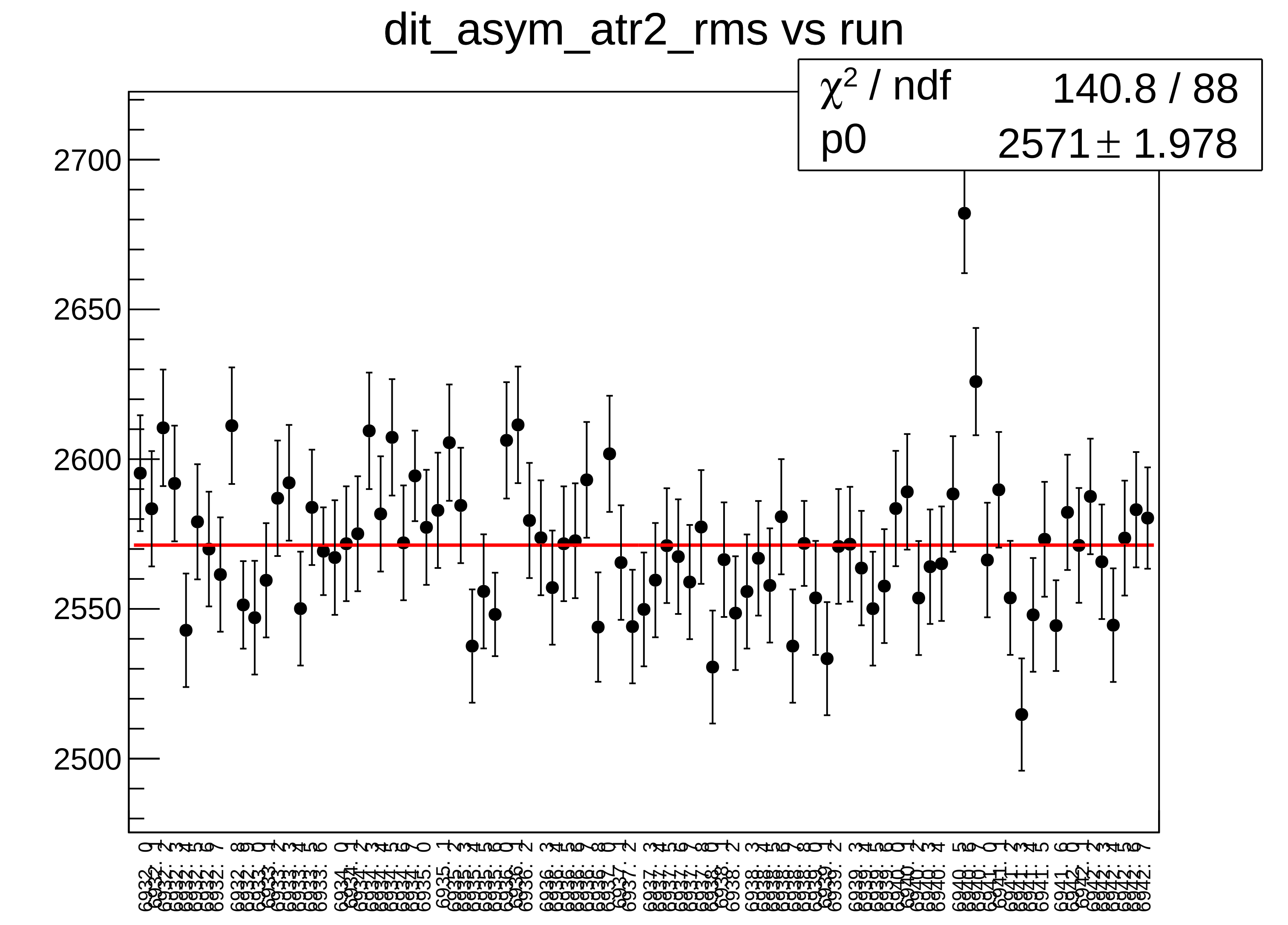


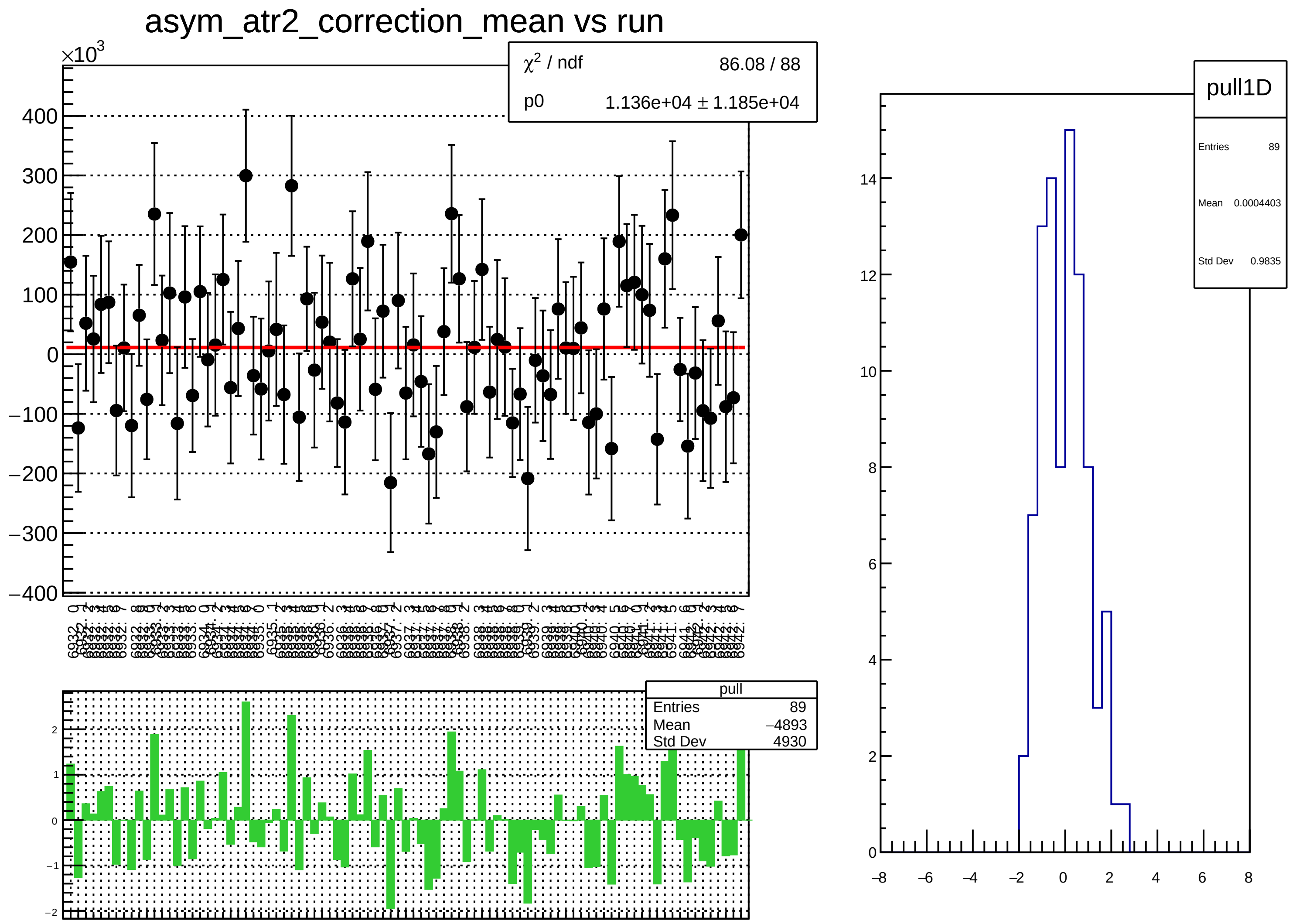
asym_atr1_correction_rms vs run
χ^2 / ndf 5860 / 88
p0 906.8 ± 0.6988
1100
1050
1000
950
900
850
800


asym_atr1_mean vs run
×10^3
χ2 / ndf 105.7 / 88
p0 −4165 ± 3178
100
50
0
−50
−100
−150
−200
−250
pull
Entries 89
Mean −274.3
Std Dev 303.2
pull1D
Entries 89
Mean −0.006982
Std Dev 1.09

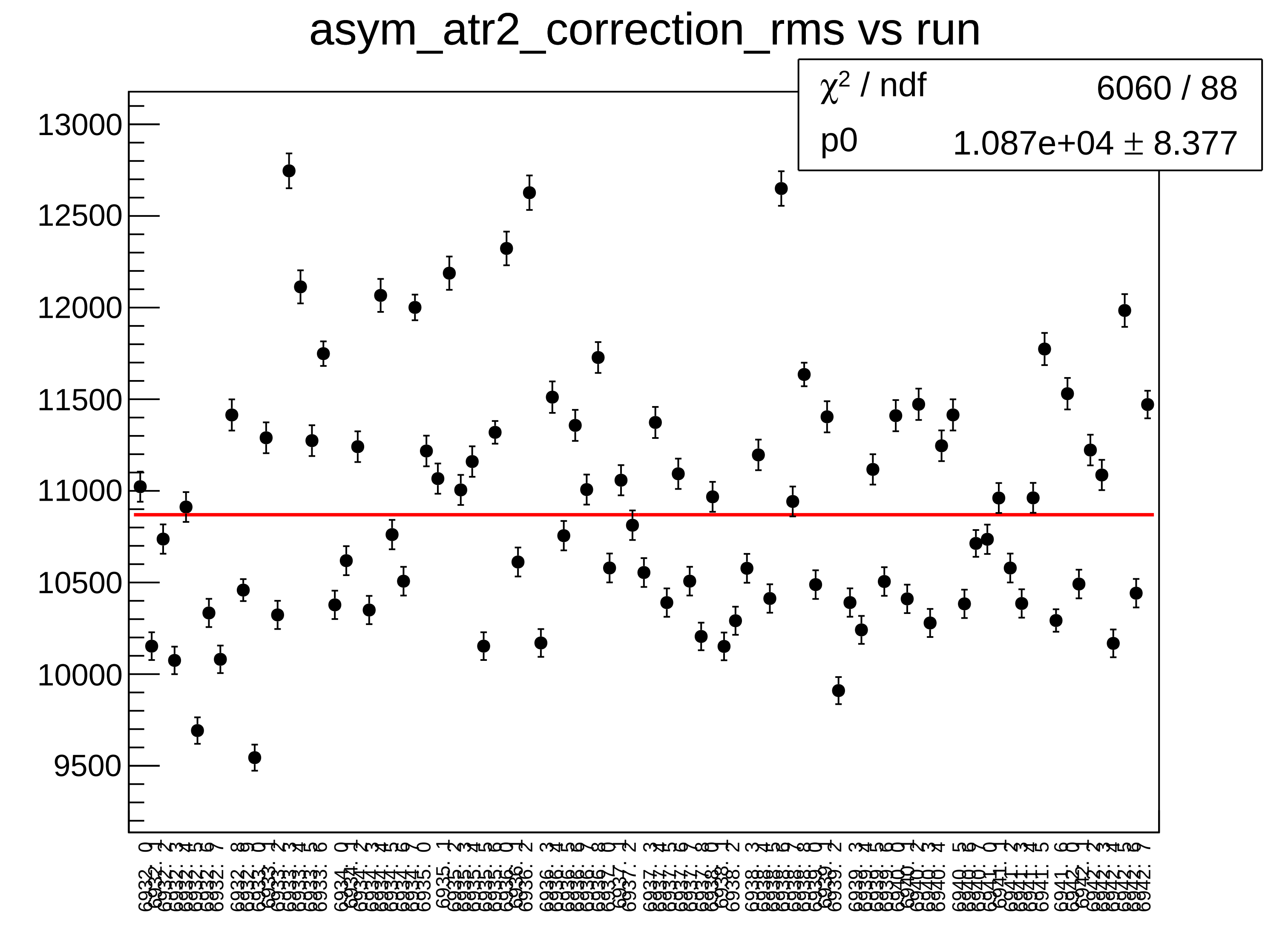

asym_atr1_rms vs run
χ^2 / ndf 1.962e+04 / 88
p0 2904 ± 2.247
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000


dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 97.06 / 88
p0 −265.8 ± 2797
100
50
0
−50
−100
pull
Entries 89
Mean −117.6
Std Dev 164.2
pull1D
Entries 89
Mean −0.0071
Std Dev 1.044

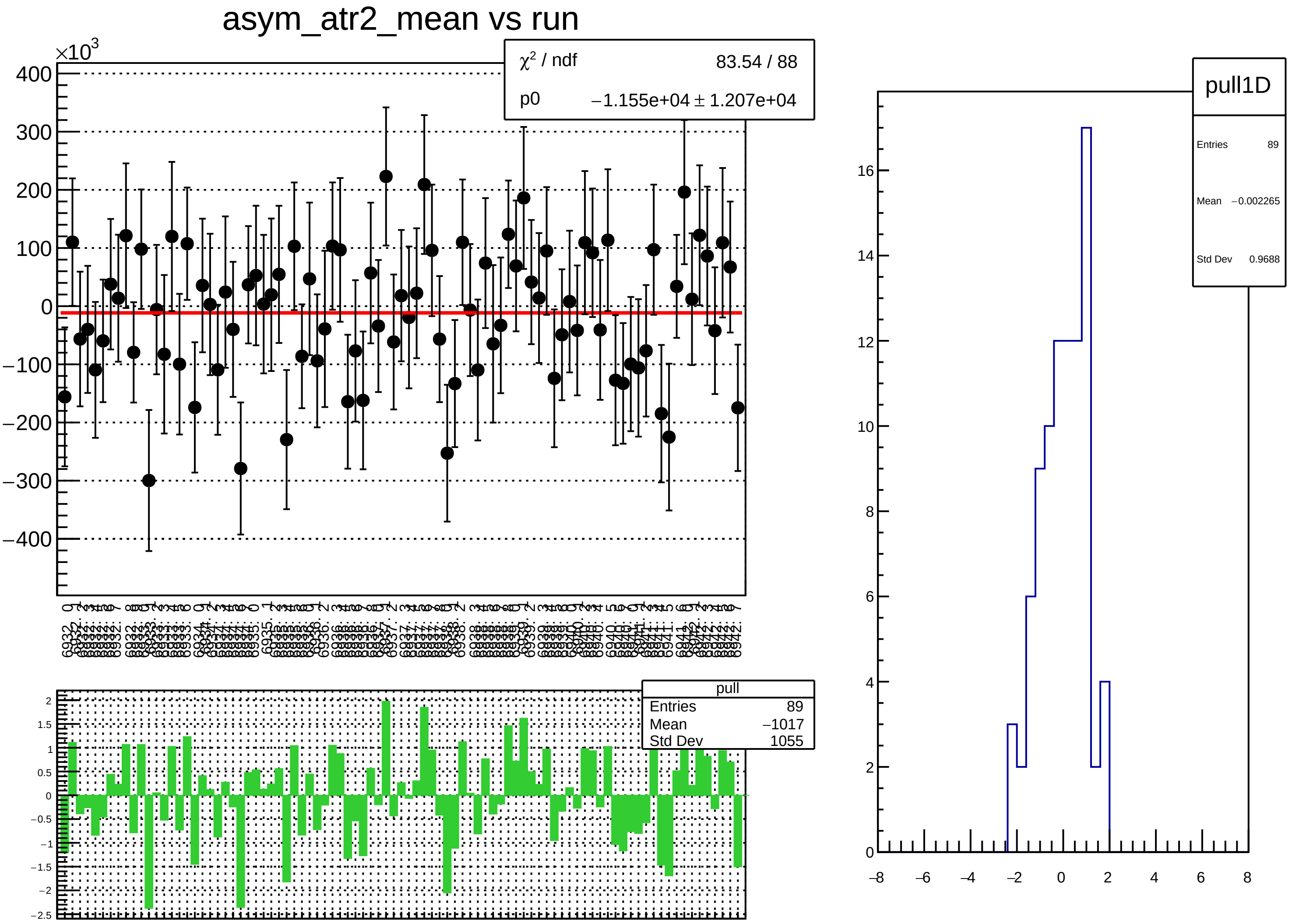

dit_asym_atr2_rms vs run
χ2 / ndf 140.8 / 88
p0 2571 ± 1.978
2700
2650
2600
2550
2500

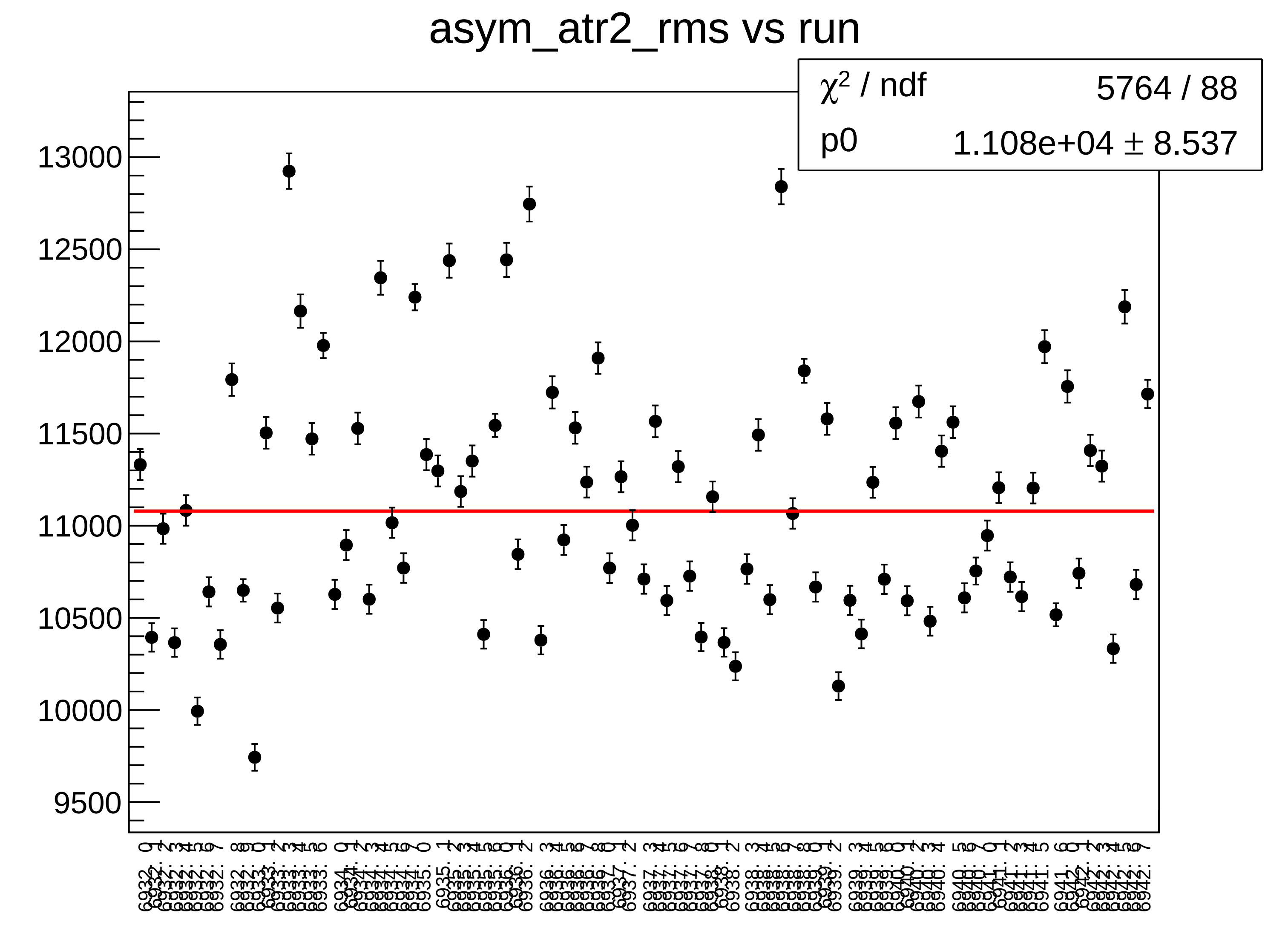


asym_atr2_correction_mean vs run
$\times10^3$
χ^2 / ndf 86.08 / 88
p0 1.136e+04 ± 1.185e+04
pull
Entries 89
Mean −4893
Std Dev 4930
pull1D
Entries 89
Mean 0.0004403
Std Dev 0.9835

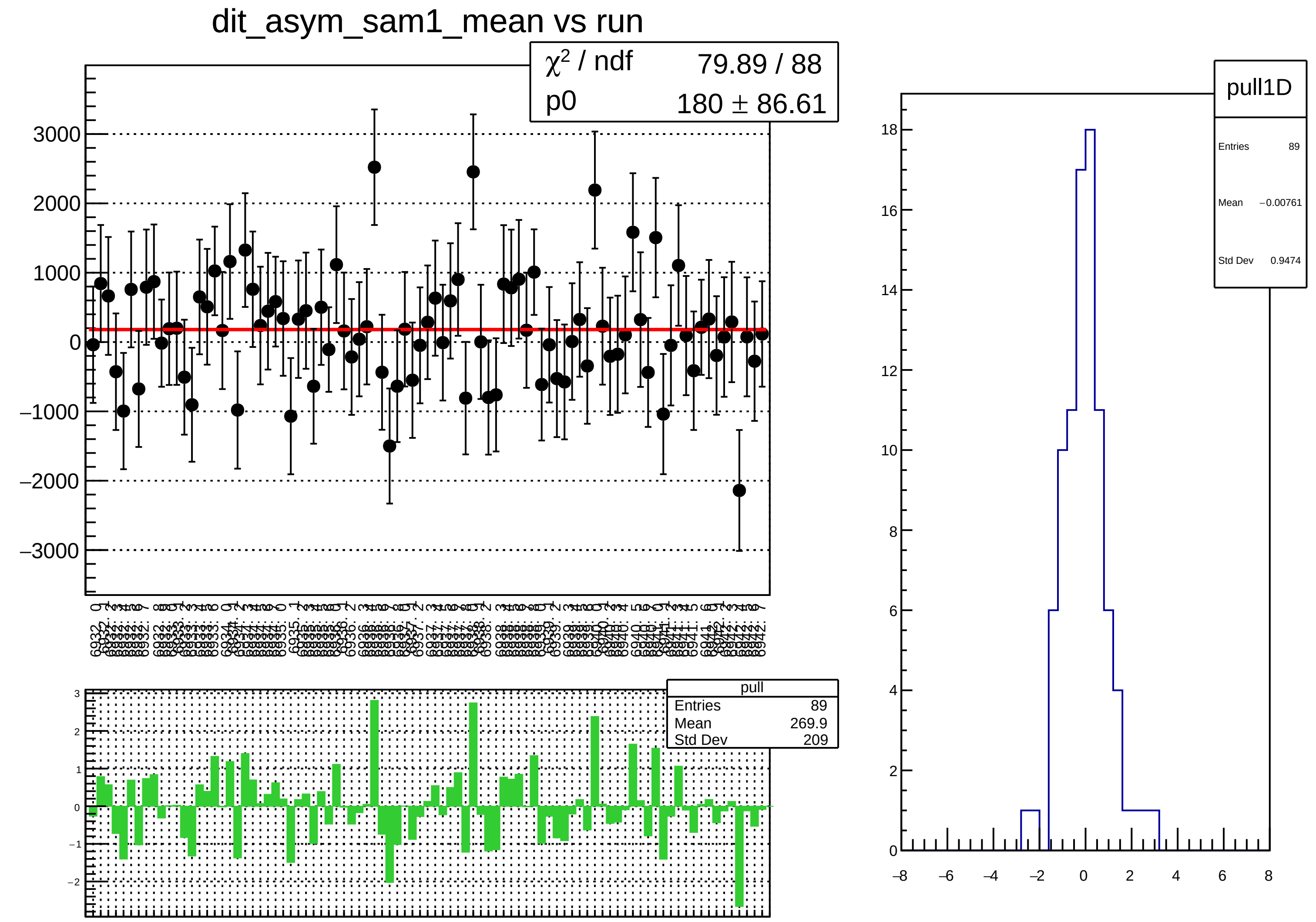


asym_atr2_correction_rms vs run
χ2 / ndf 6060 / 88
p0 1.087e+04 ± 8.377
13000
12500
12000
11500
11000
10500
10000
9500

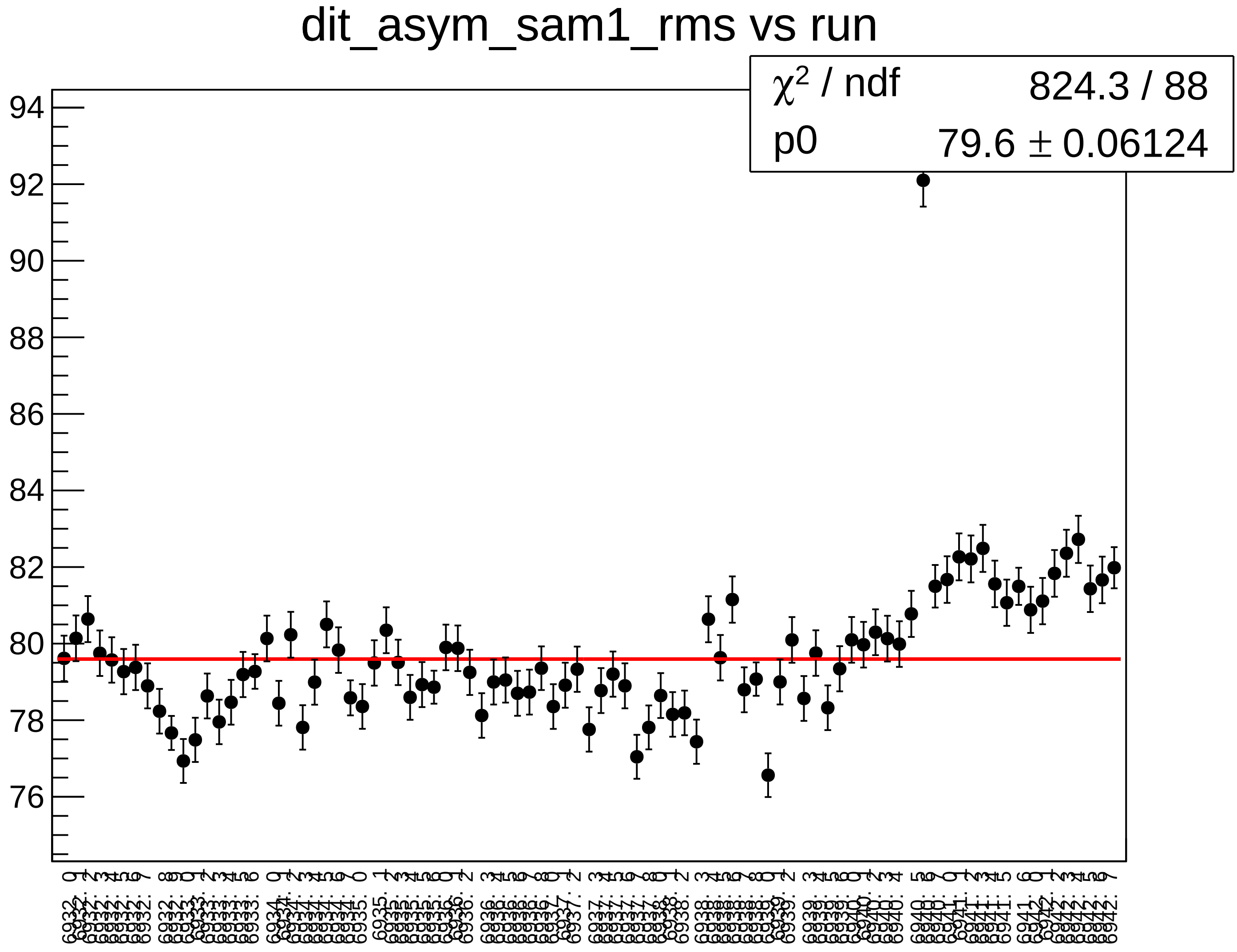

asym_atr2_mean vs run
×10^3
χ2 / ndf 83.54 / 88
p0 −1.155e+04 ± 1.207e+04
pull
Entries 89
Mean −1017
Std Dev 1055
pull1D
Entries 89
Mean −0.002265
Std Dev 0.9688

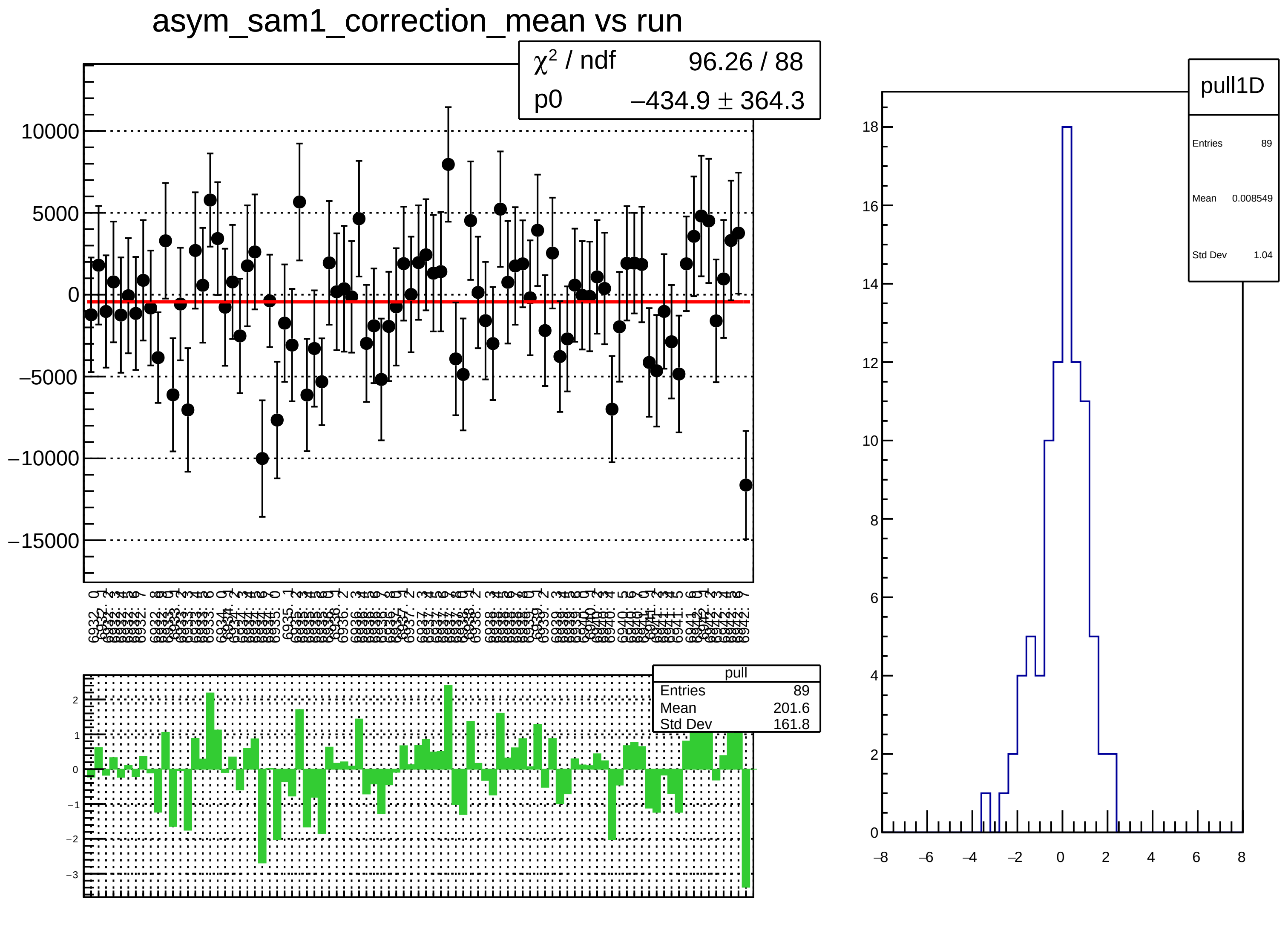


asym_atr2_rms vs run
χ^2 / ndf 5764 / 88
p0 1.108e+04 ± 8.537
13000
12500
12000
11500
11000
10500
10000
9500

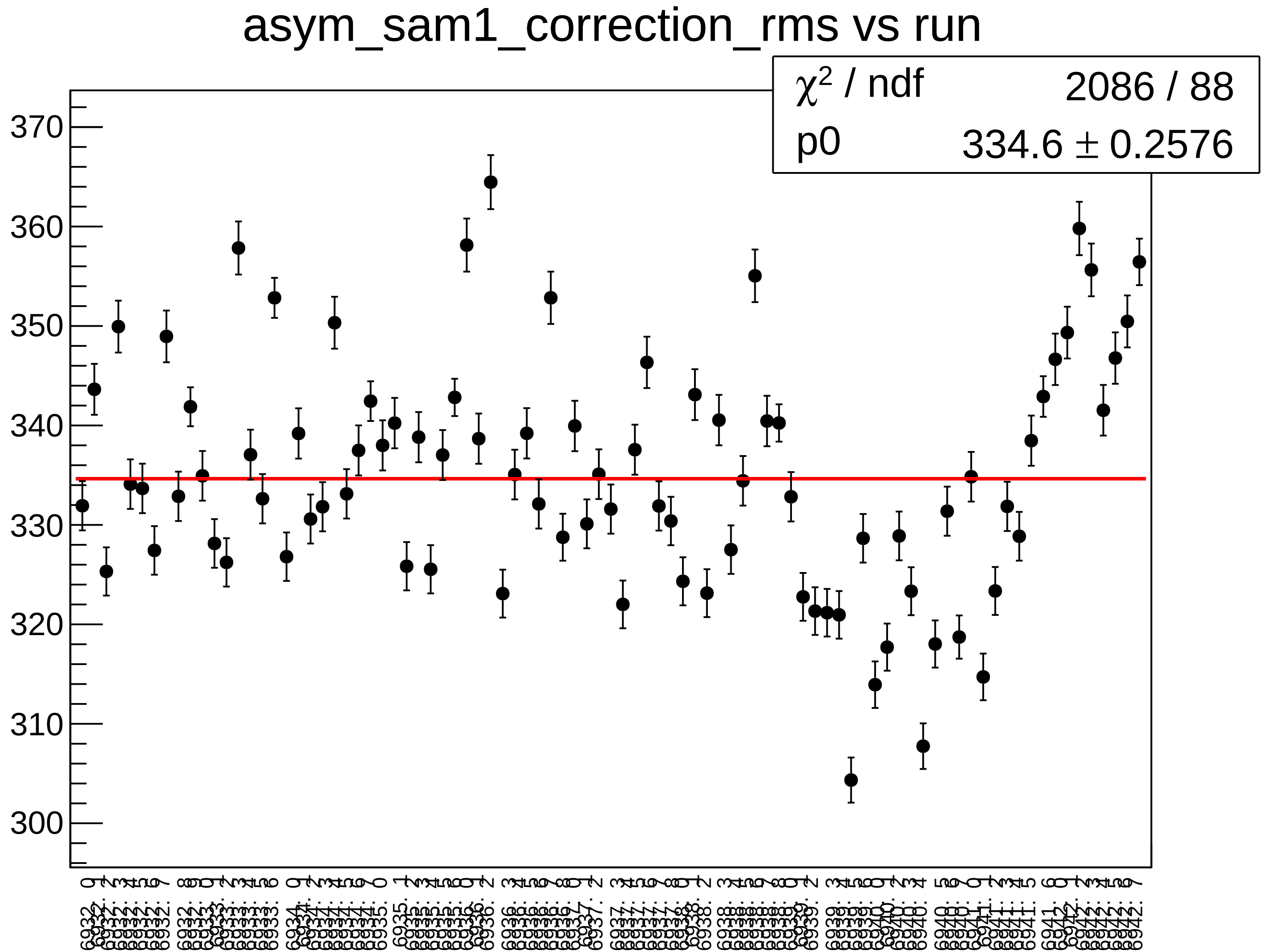


dit_asym_sam1_mean vs run
χ^2 / ndf 79.89 / 88
p0 180 ± 86.61
pull
Entries 89
Mean 269.9
Std Dev 209
pull1D
Entries 89
Mean −0.00761
Std Dev 0.9474

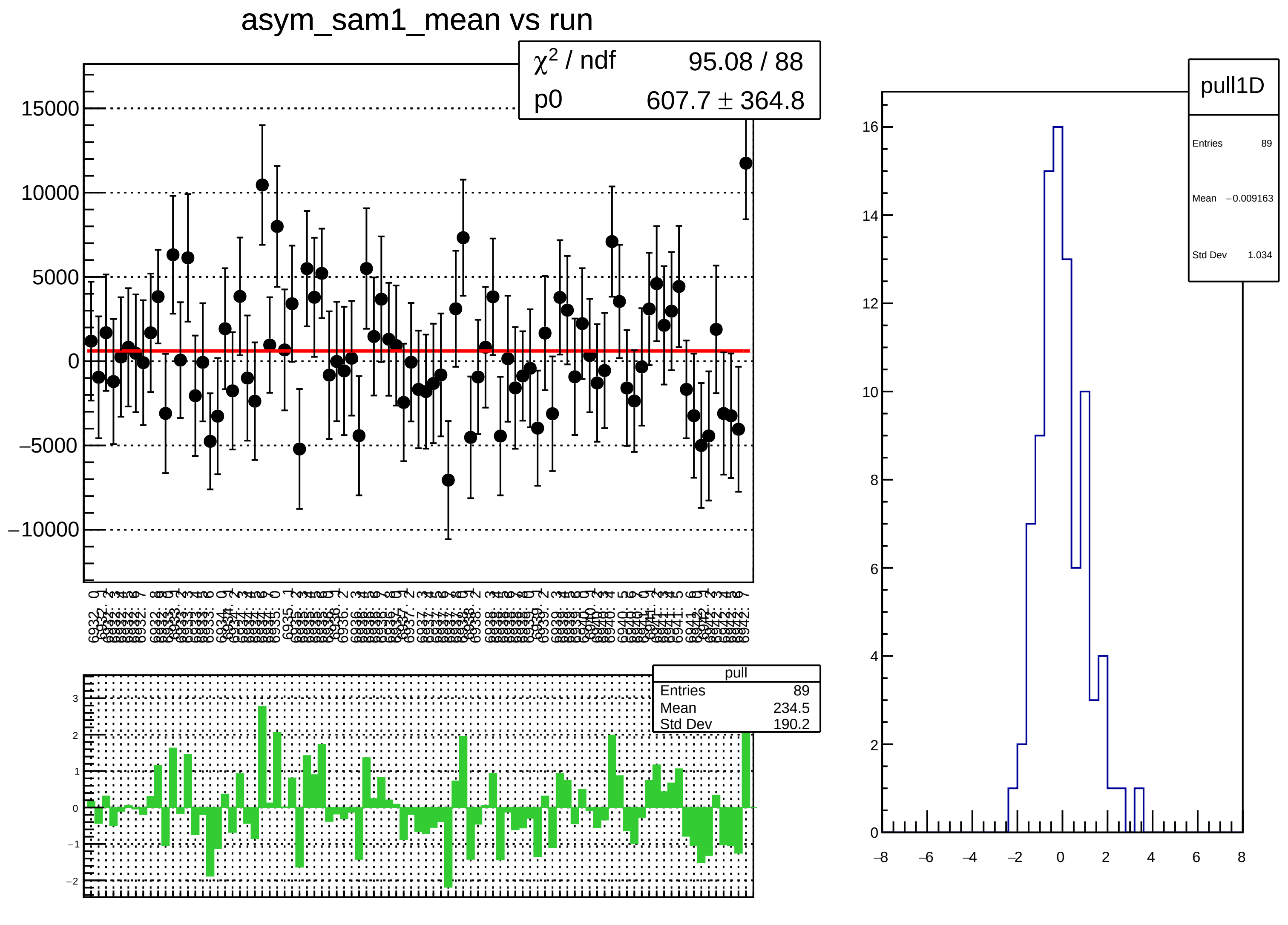

dit_asym_sam1_rms vs run
χ^2 / ndf 824.3 / 88
p0 79.6 ± 0.06124
94
92
90
88
86
84
82
80
78
76



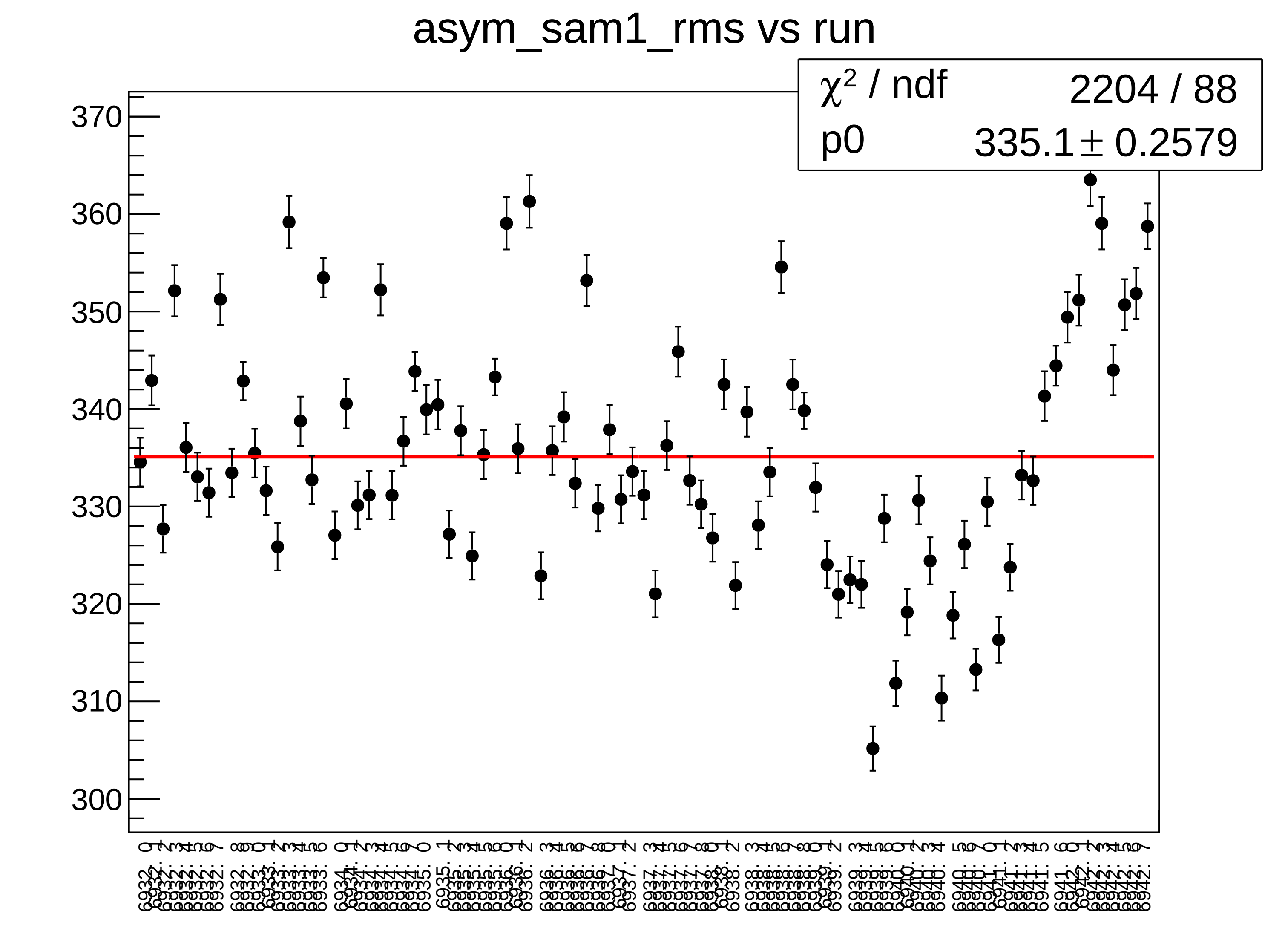
asym_sam1_correction_mean vs run
χ^2 / ndf 96.26 / 88
p0 −434.9 ± 364.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 201.6
Std Dev 161.8
pull1D
Entries 89
Mean 0.008549
Std Dev 1.04



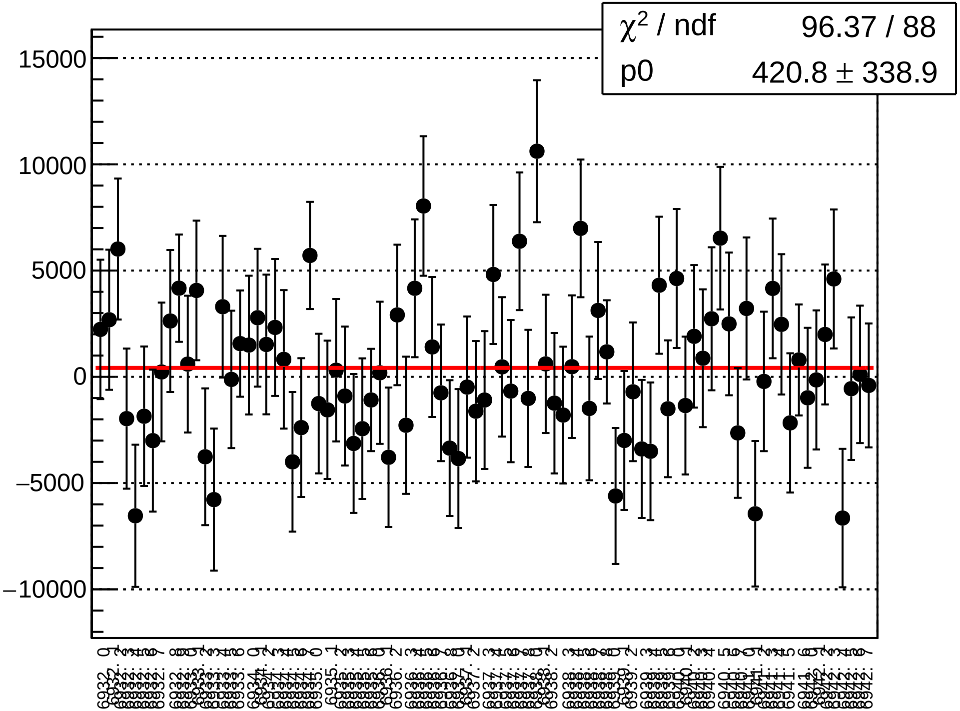
asym_sam1_correction_rms vs run
χ^2 / ndf 2086 / 88
p0 334.6 ± 0.2576
370
360
350
340
330
320
310
300

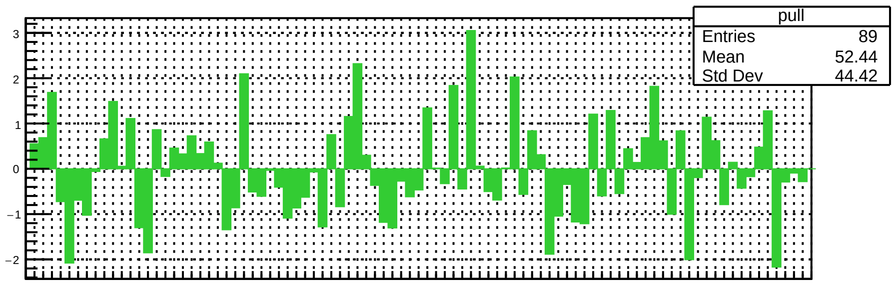


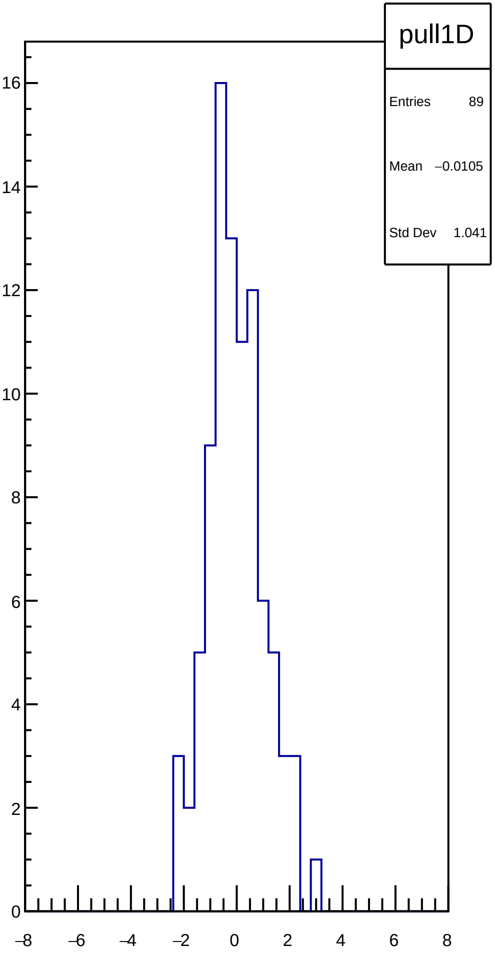
asym_sam1_mean vs run
χ^2 / ndf 95.08 / 88
p0 607.7 ± 364.8
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 234.5
Std Dev 190.2
pull1D
Entries 89
Mean −0.009163
Std Dev 1.034

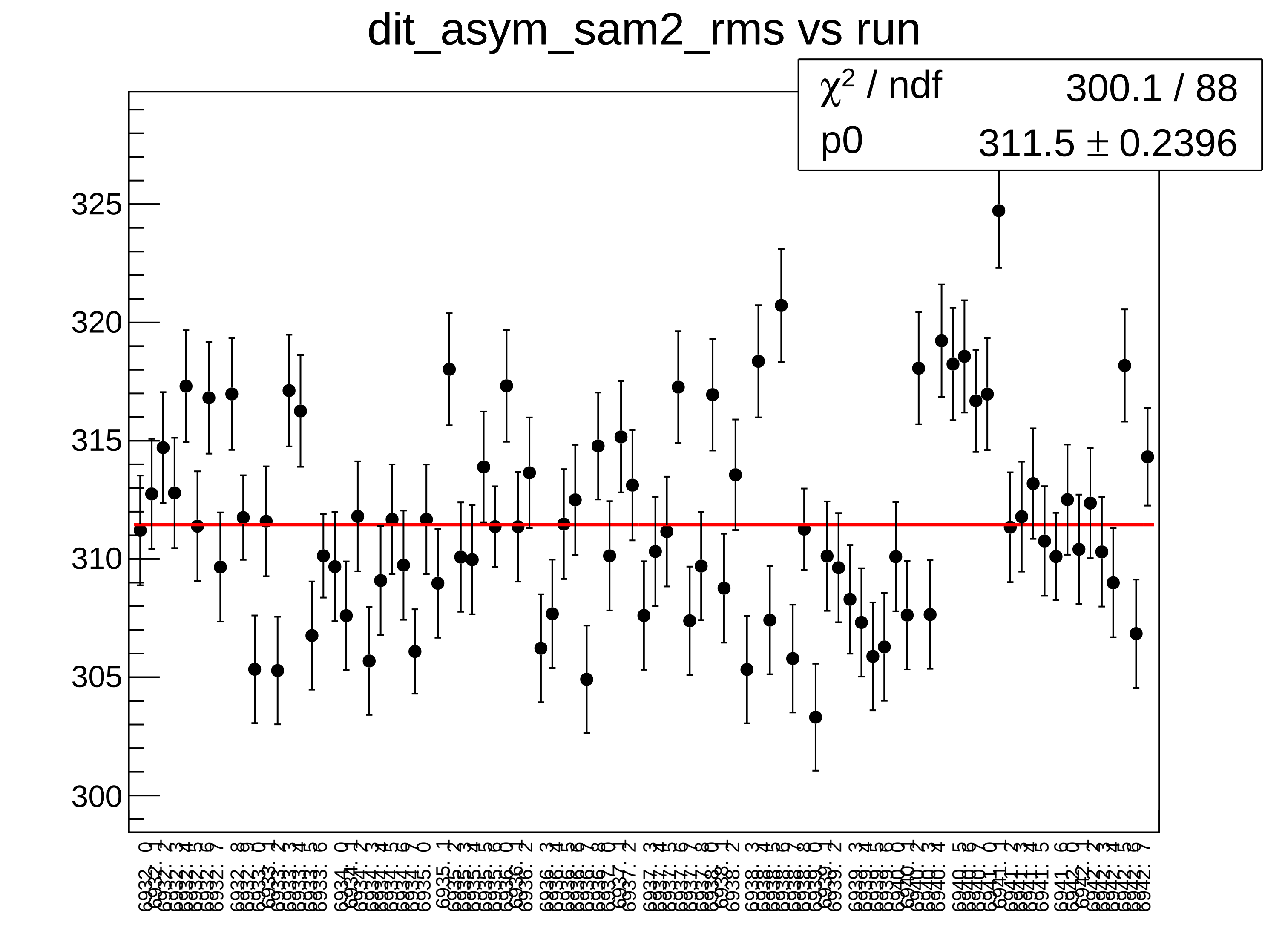

asym_sam1_rms vs run
χ2 / ndf 2204 / 88
p0 335.1 ± 0.2579
370
360
350
340
330
320
310
300

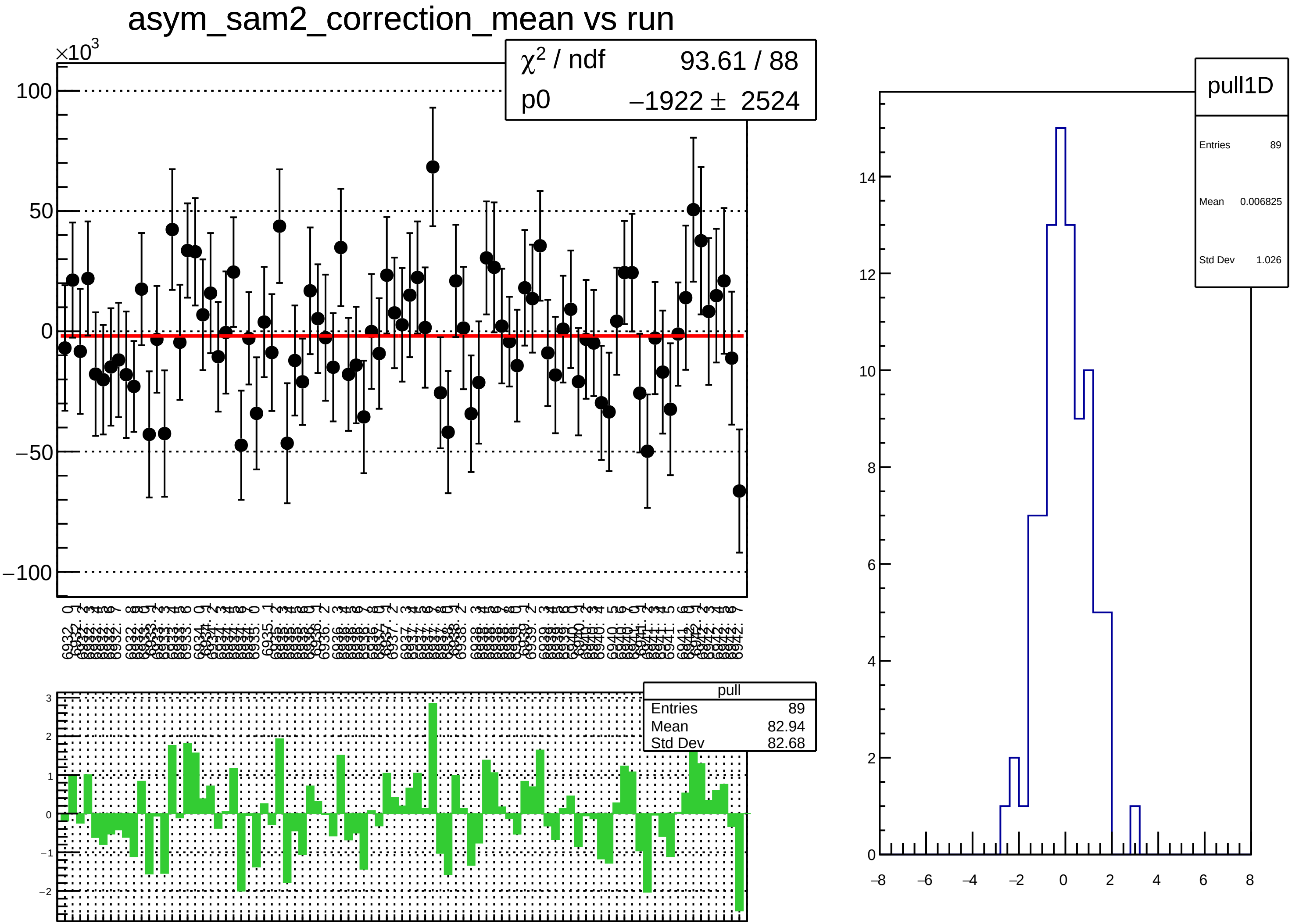
dit_asym_sam2_mean vs run

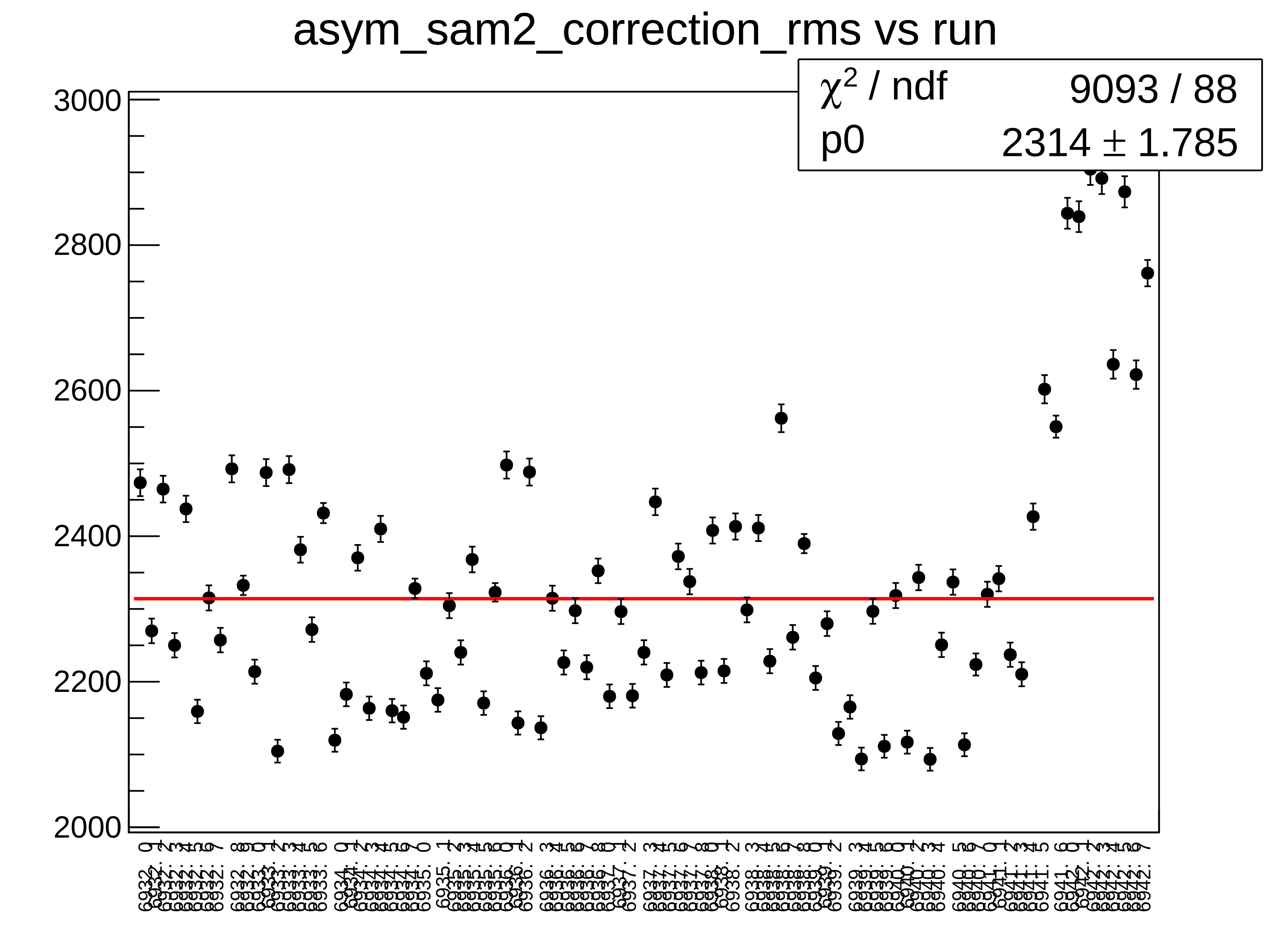


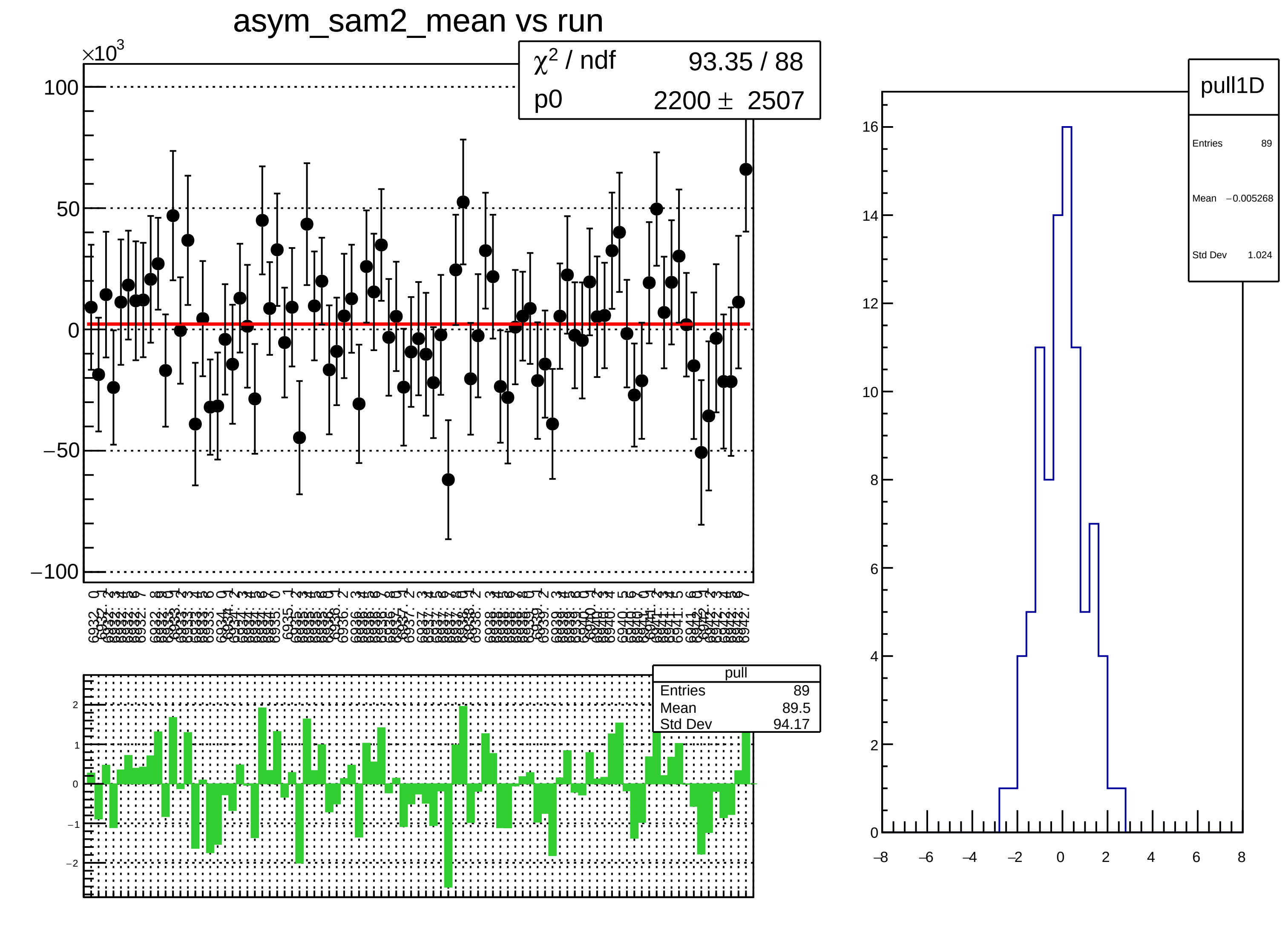




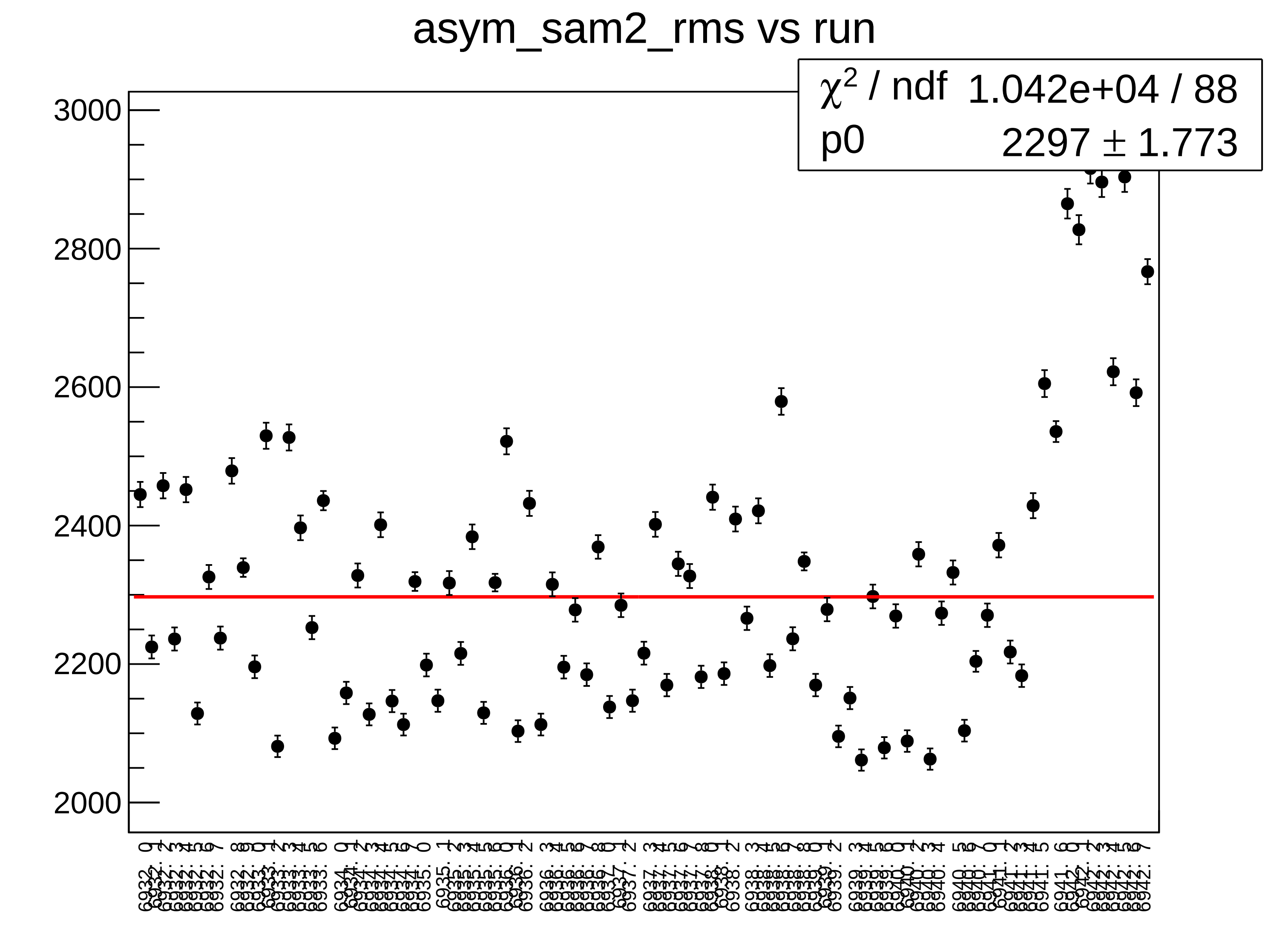

dit_asym_sam2_rms vs run
χ^2 / ndf 300.1 / 88
p0 311.5 ± 0.2396
325
320
315
310
305
300

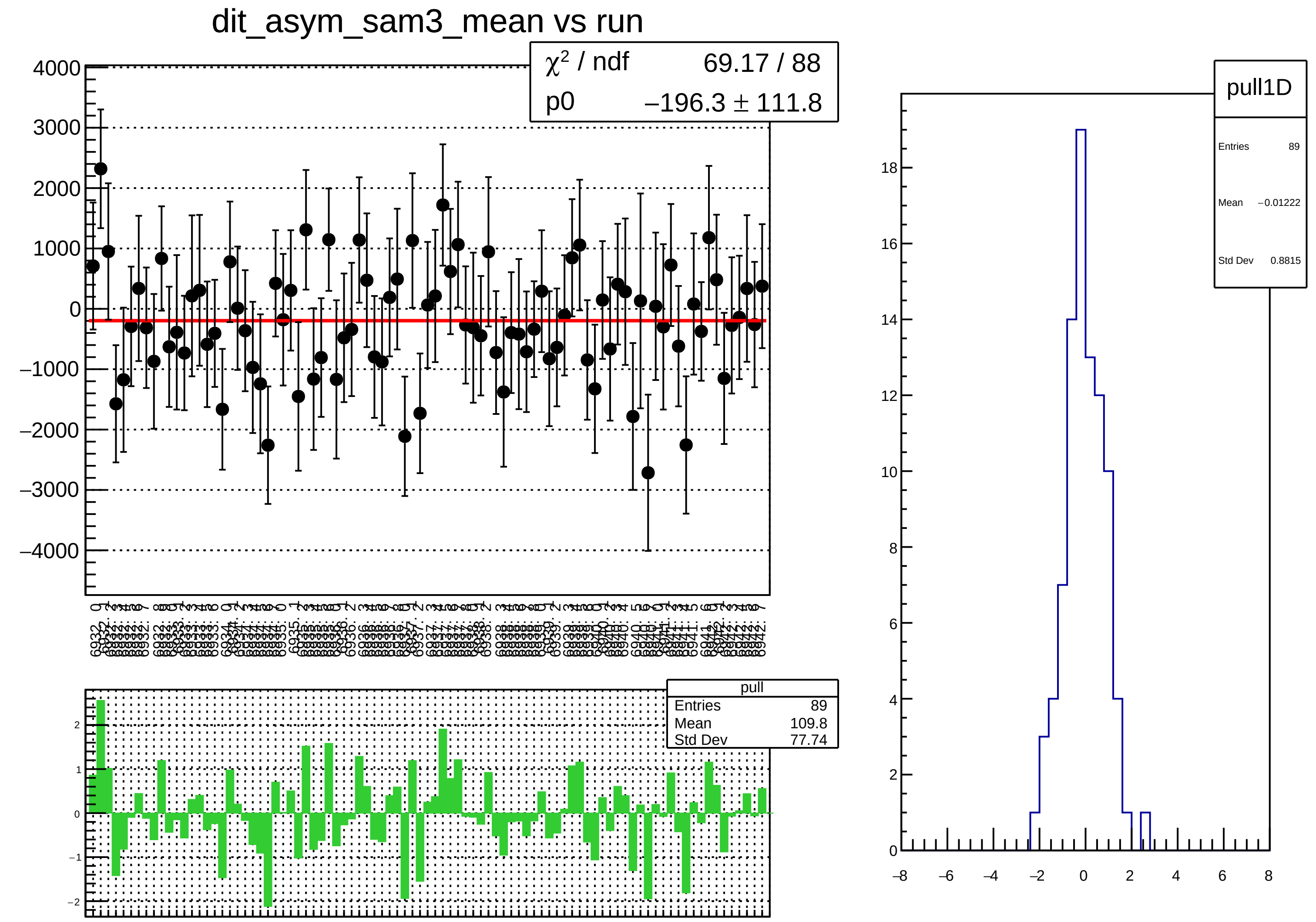

asym_sam2_correction_mean vs run
$\times10^3$
χ^2 / ndf 93.61 / 88
p0 −1922 ± 2524
100
50
0
−50
−100
pull
Entries 89
Mean 82.94
Std Dev 82.68
pull1D
Entries 89
Mean 0.006825
Std Dev 1.026


asym_sam2_correction_rms vs run
χ2 / ndf 9093 / 88
p0 2314 ± 1.785
3000
2800
2600
2400
2200
2000

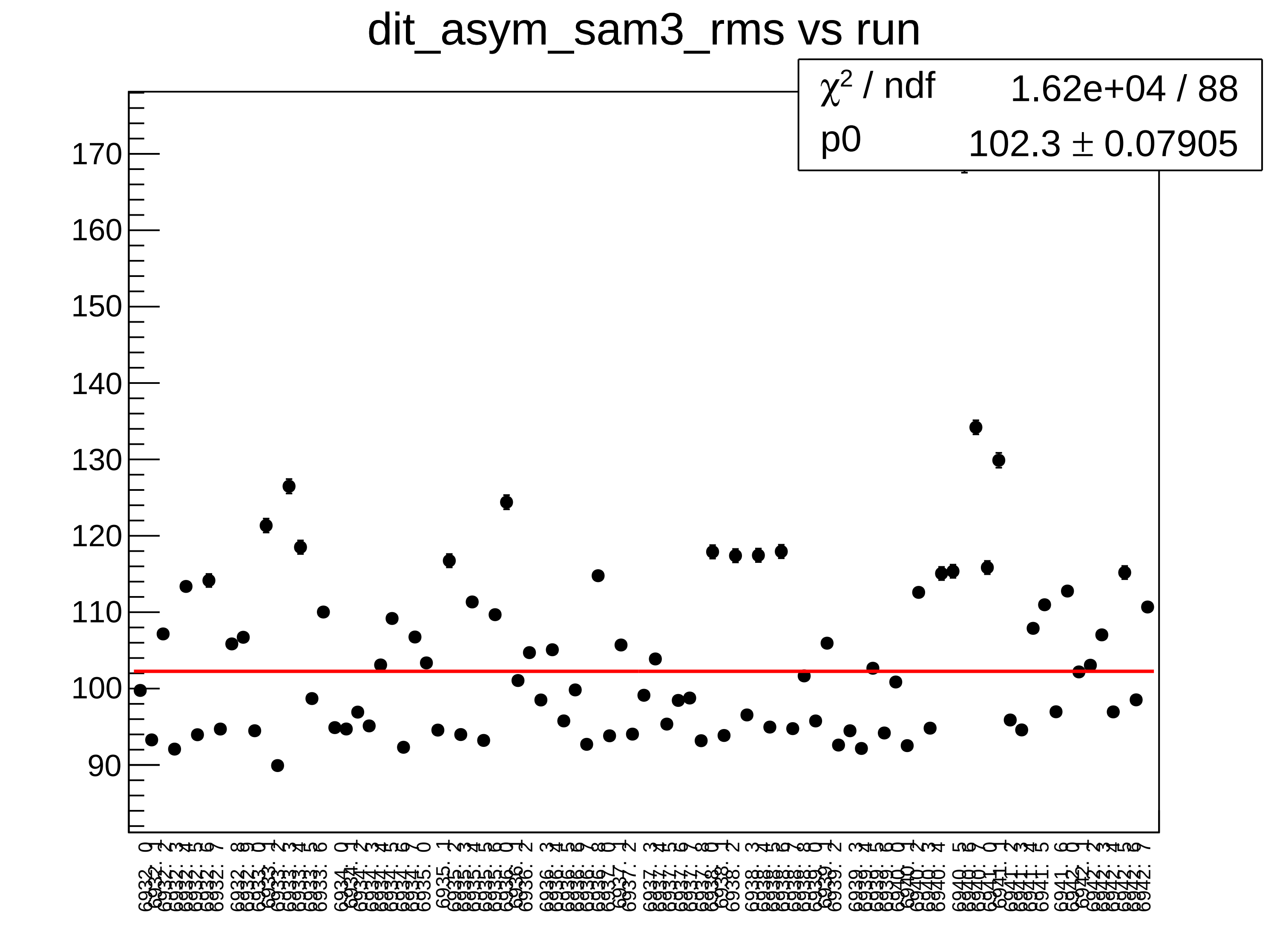


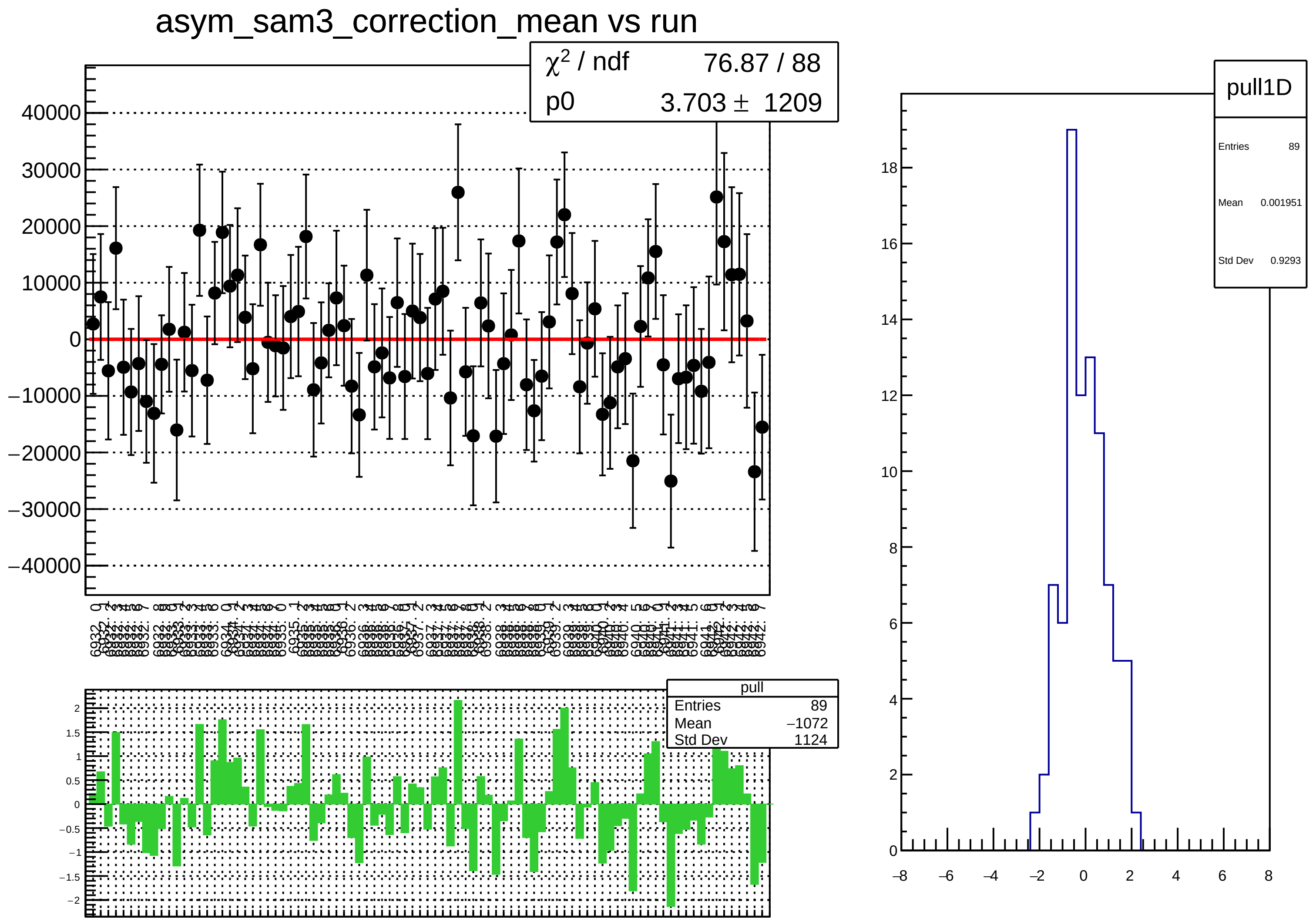
asym_sam2_mean vs run
×10^3
χ2 / ndf 93.35 / 88
p0 2200 ± 2507
pull
Entries 89
Mean 89.5
Std Dev 94.17
pull1D
Entries 89
Mean −0.005268
Std Dev 1.024


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

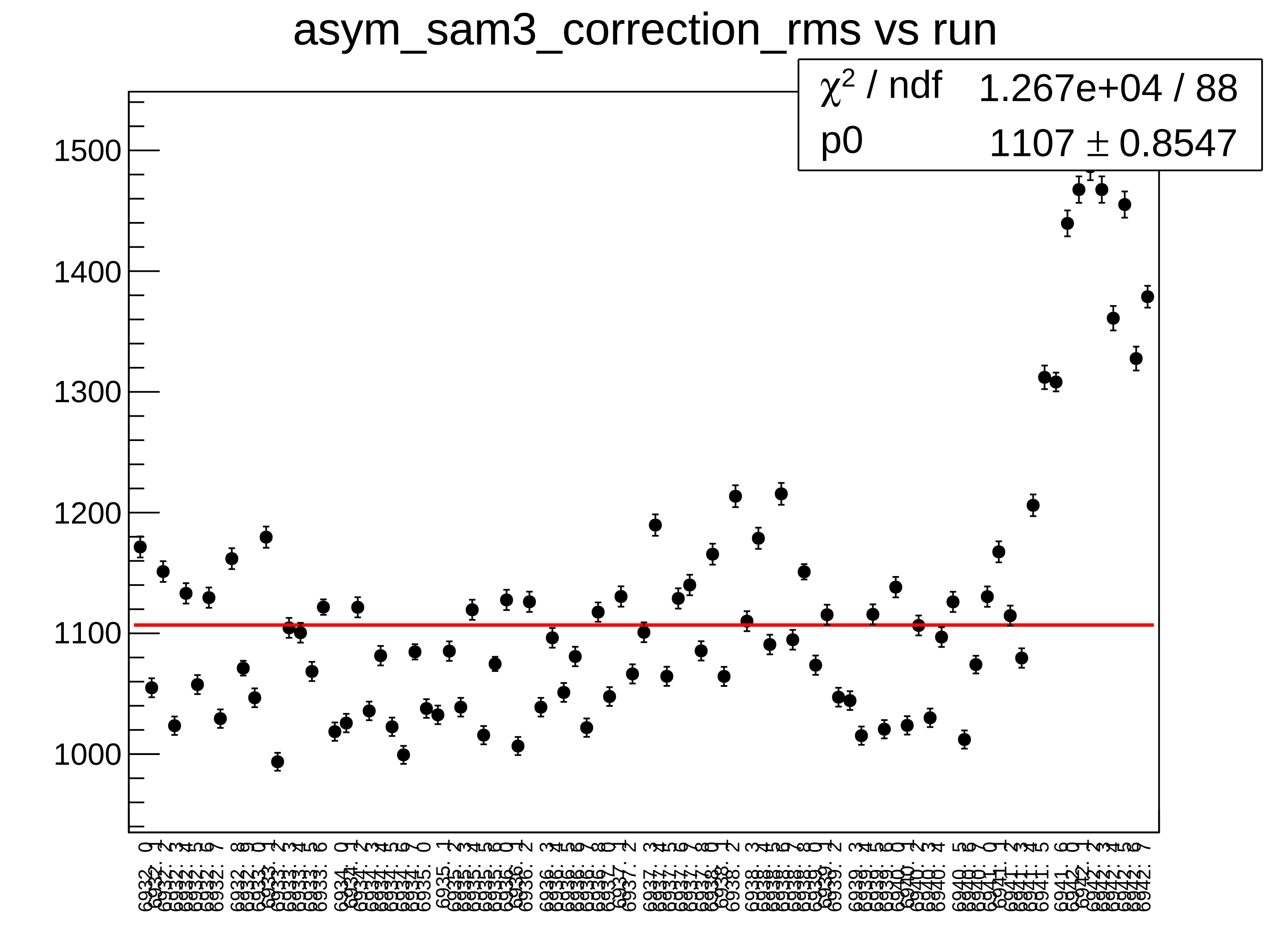


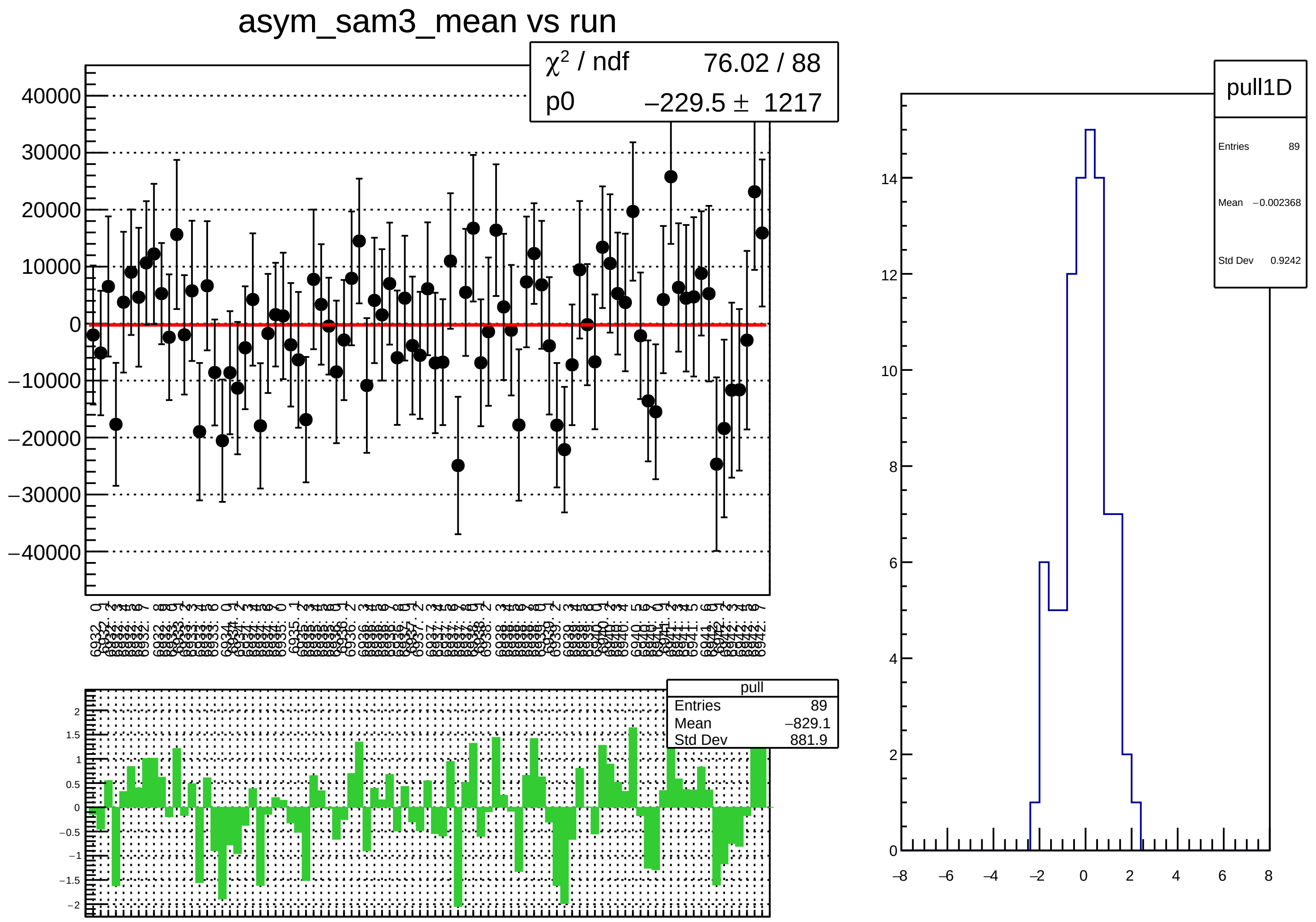
dit_asym_sam3_mean vs run
χ^2 / ndf 69.17 / 88
p0 −196.3 ± 111.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean 109.8
Std Dev 77.74
pull1D
Entries 89
Mean −0.01222
Std Dev 0.8815


dit_asym_sam3_rms vs run
χ^2 / ndf 1.62e+04 / 88
p0 102.3 ± 0.07905
170
160
150
140
130
120
110
100
90

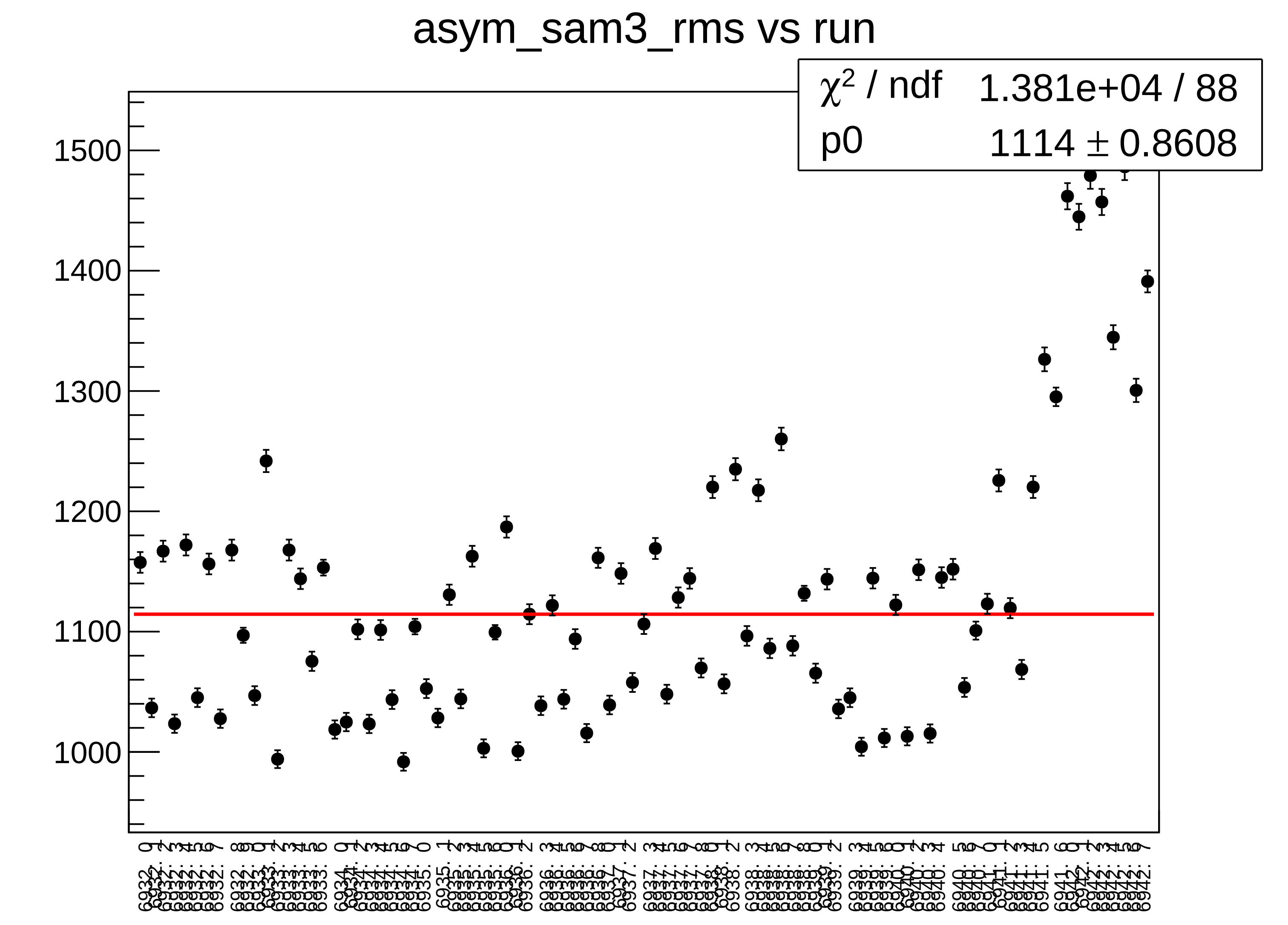


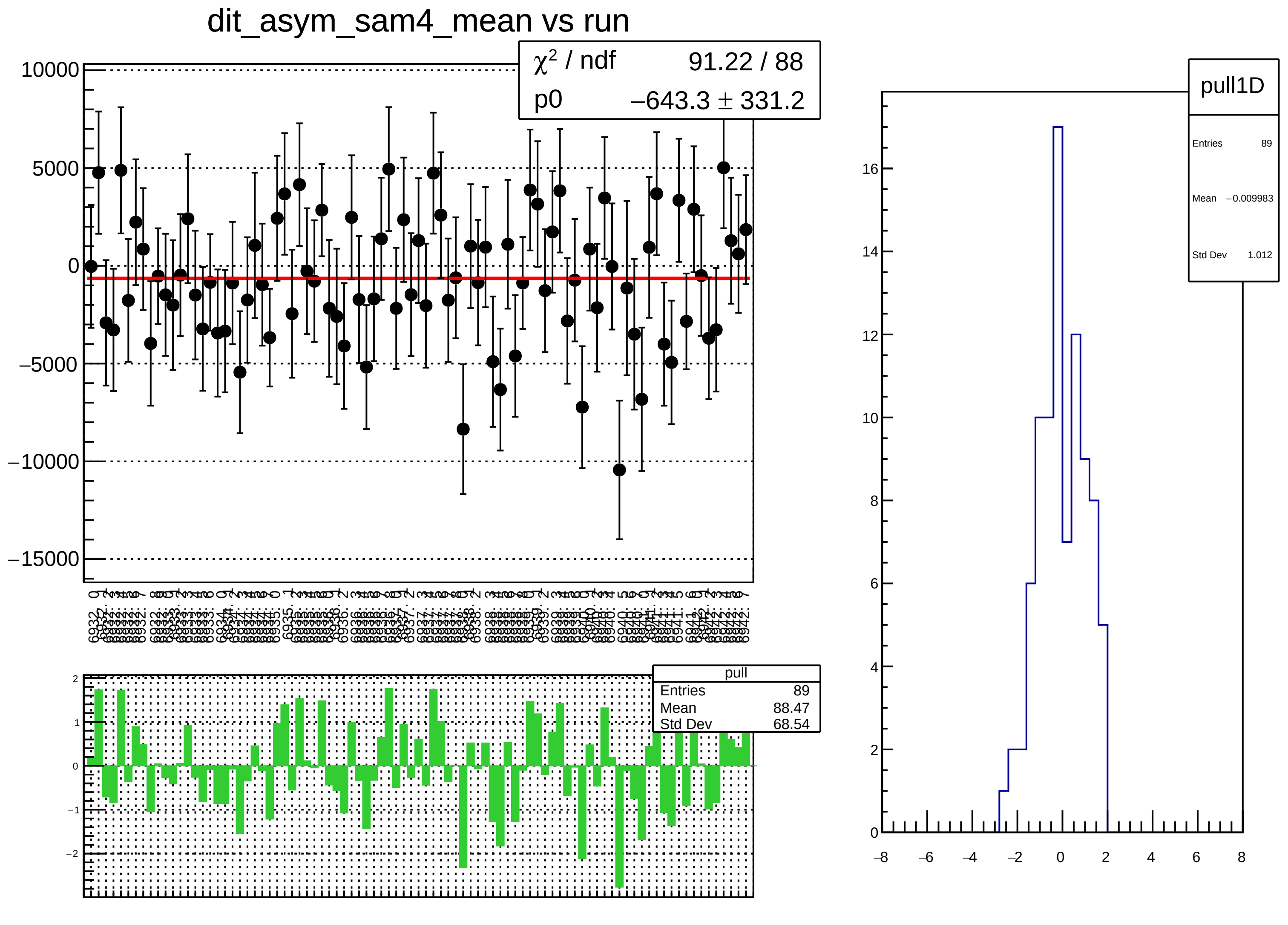
asym_sam3_correction_mean vs run
χ^2 / ndf 76.87 / 88
p0 3.703 ± 1209
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean −1072
Std Dev 1124
pull1D
Entries 89
Mean 0.001951
Std Dev 0.9293

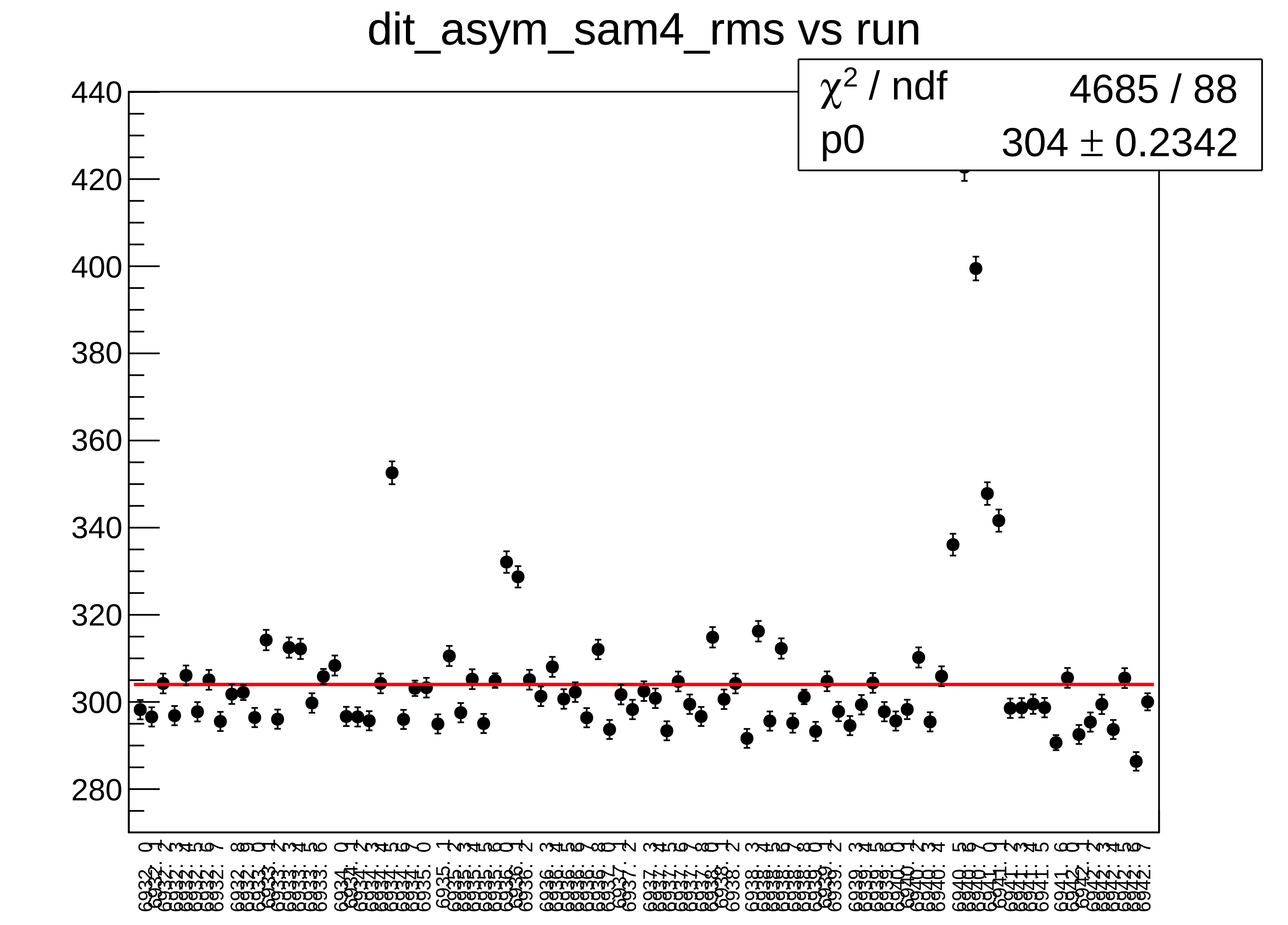

asym_sam3_correction_rms vs run
χ2 / ndf 1.267e+04 / 88
p0 1107 ± 0.8547
1500
1400
1300
1200
1100
1000



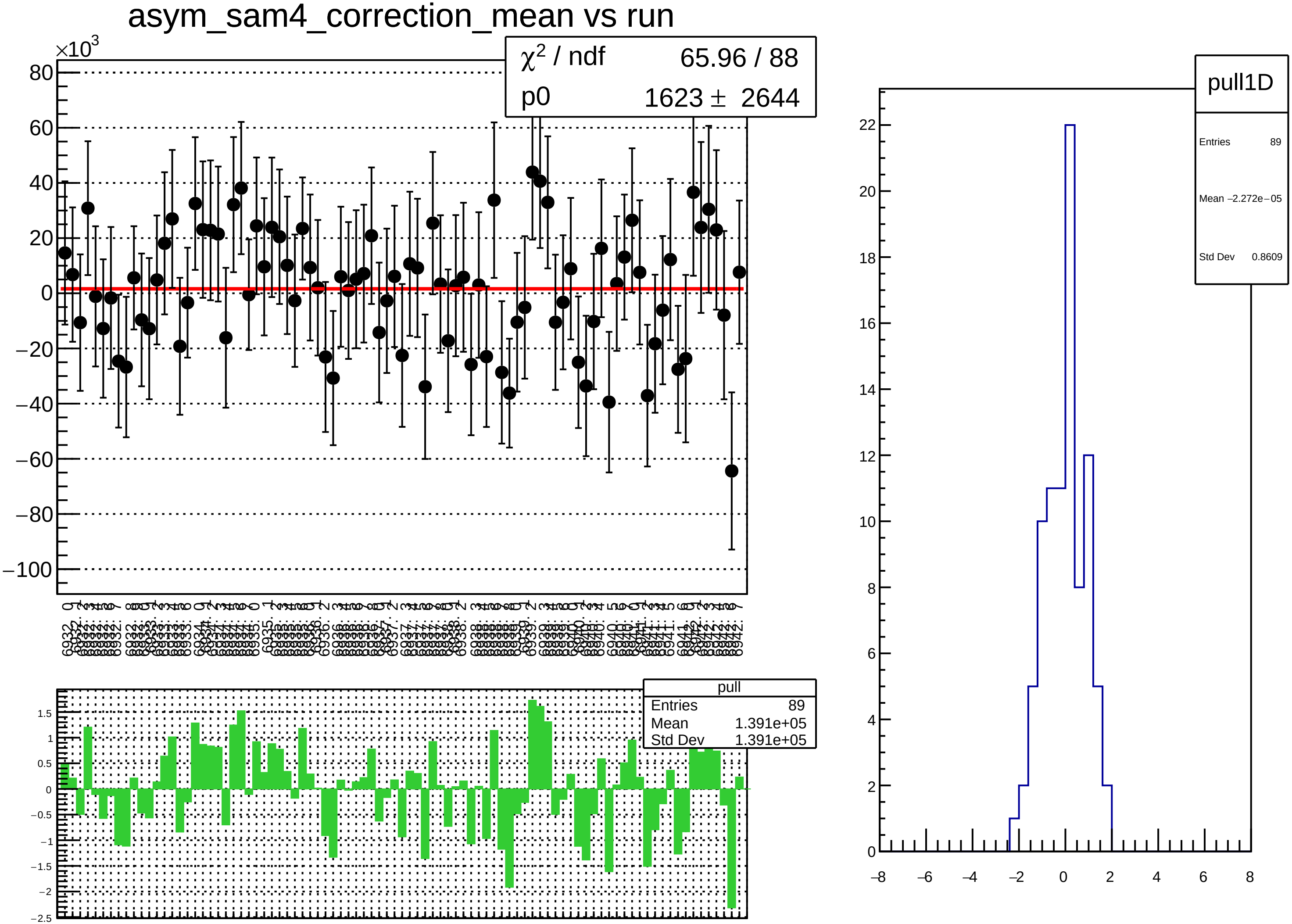
asym_sam3_mean vs run
χ^2 / ndf 76.02 / 88
p0 −229.5 ± 1217
pull
Entries 89
Mean −829.1
Std Dev 881.9
pull1D
Entries 89
Mean −0.002368
Std Dev 0.9242

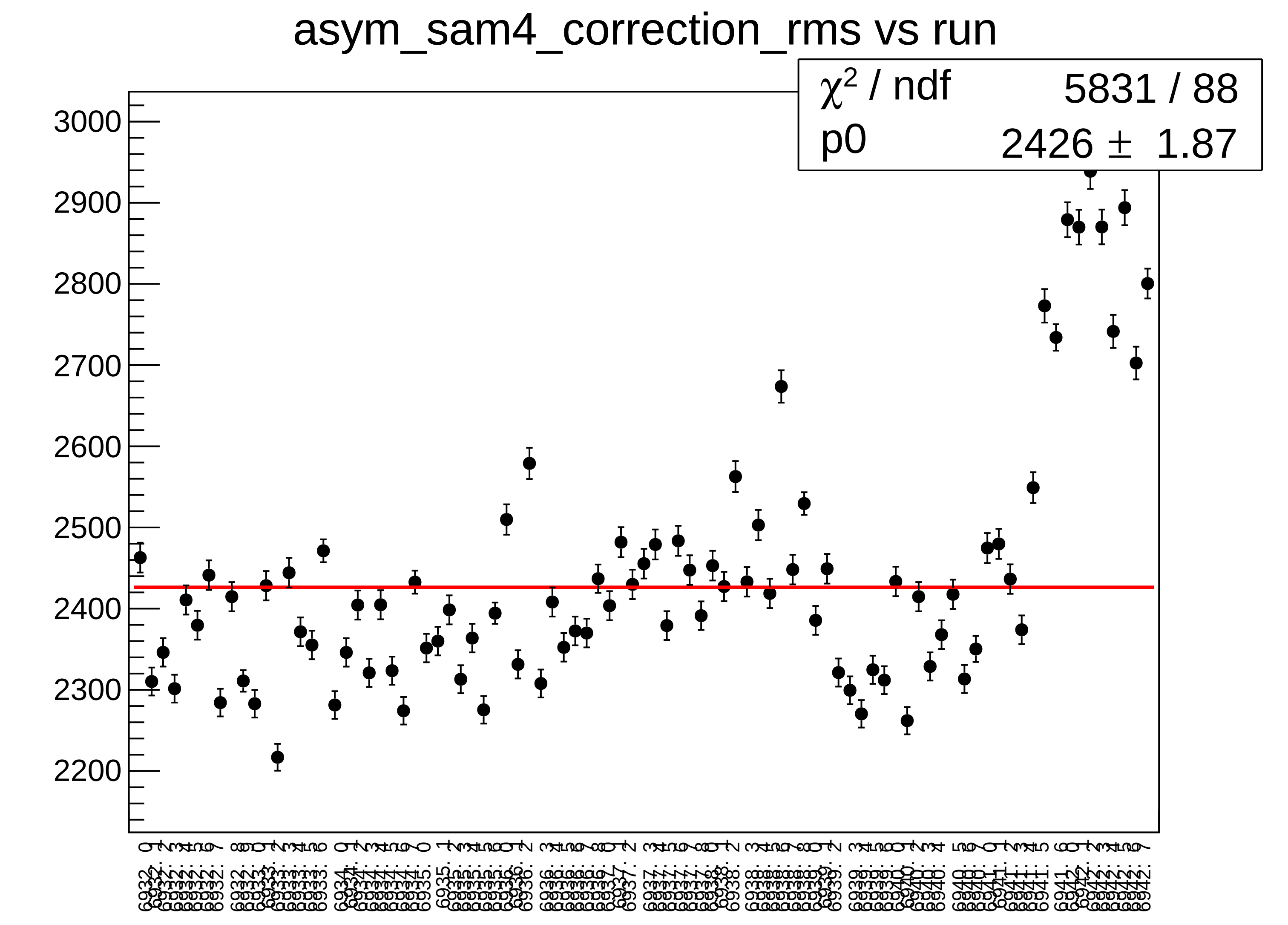

asym_sam3_rms vs run
χ2 / ndf 1.381e+04 / 88
p0 1114 ± 0.8608
1500
1400
1300
1200
1100
1000

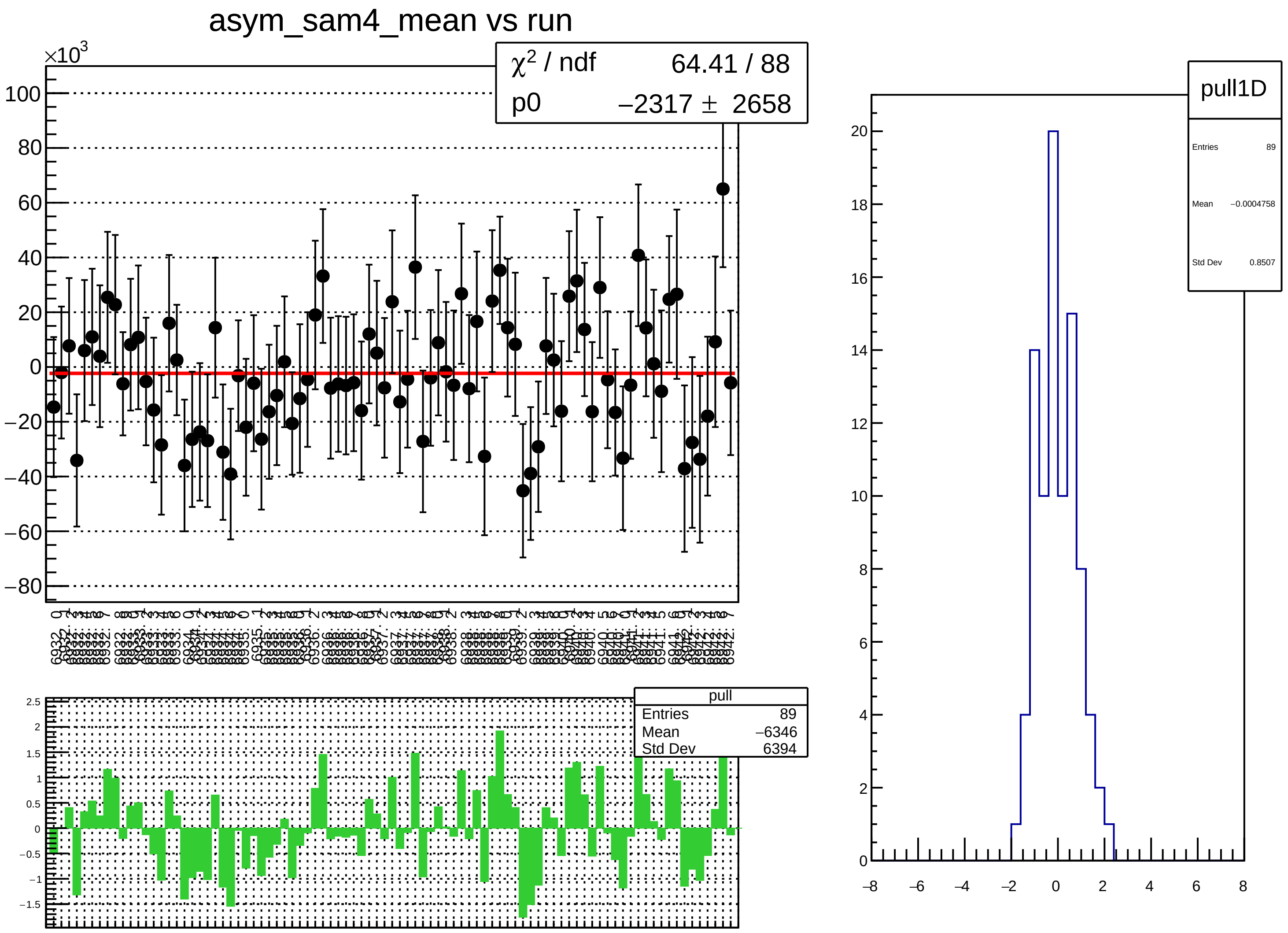

dit_asym_sam4_mean vs run
χ^2 / ndf 91.22 / 88
p0 −643.3 ± 331.2
pull
Entries 89
Mean 88.47
Std Dev 68.54
pull1D
Entries 89
Mean −0.009983
Std Dev 1.012



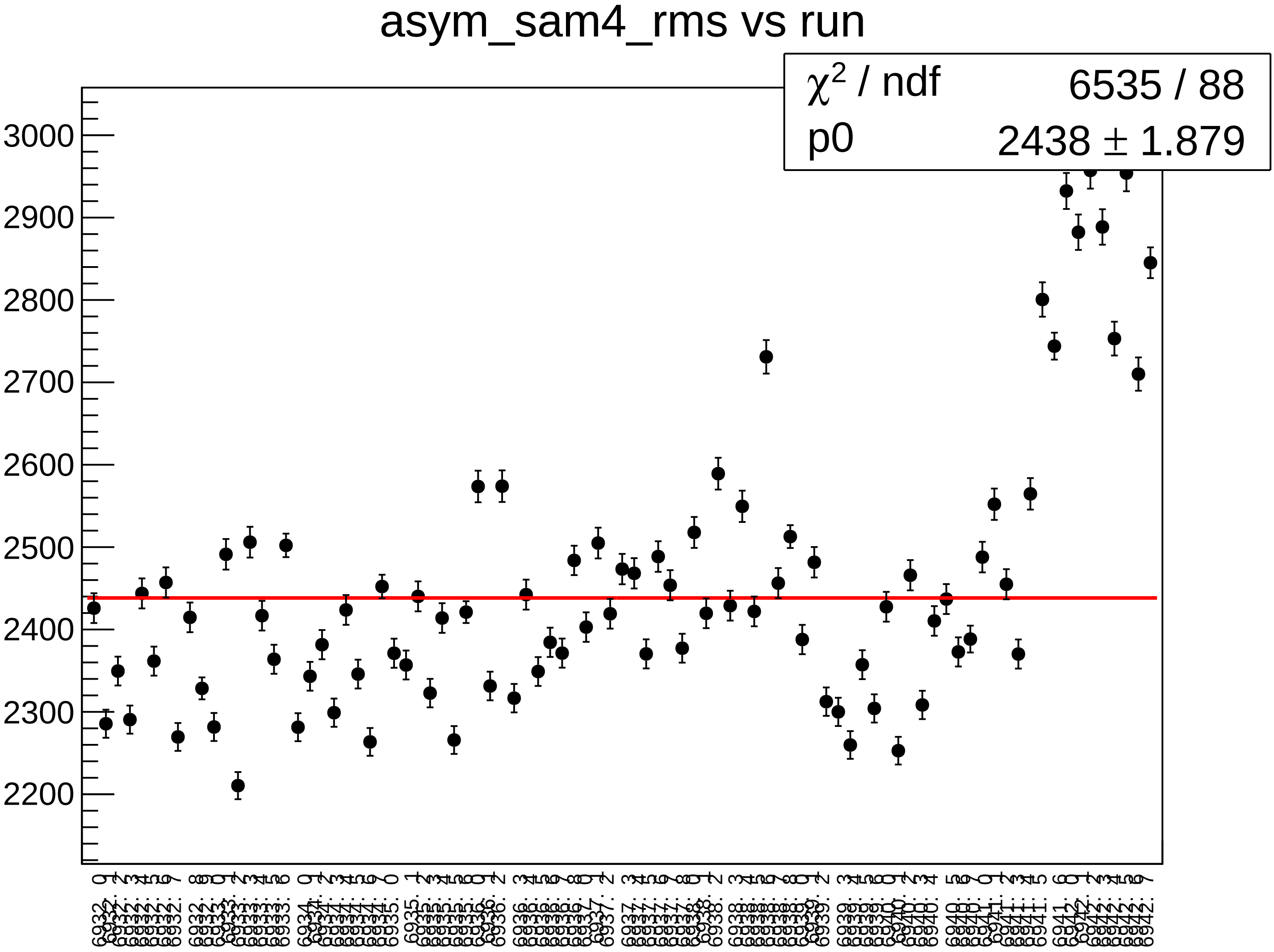
dit_asym_sam4_rms vs run
χ^2 / ndf 4685 / 88
p0 304 ± 0.2342
440
420
400
380
360
340
320
300
280

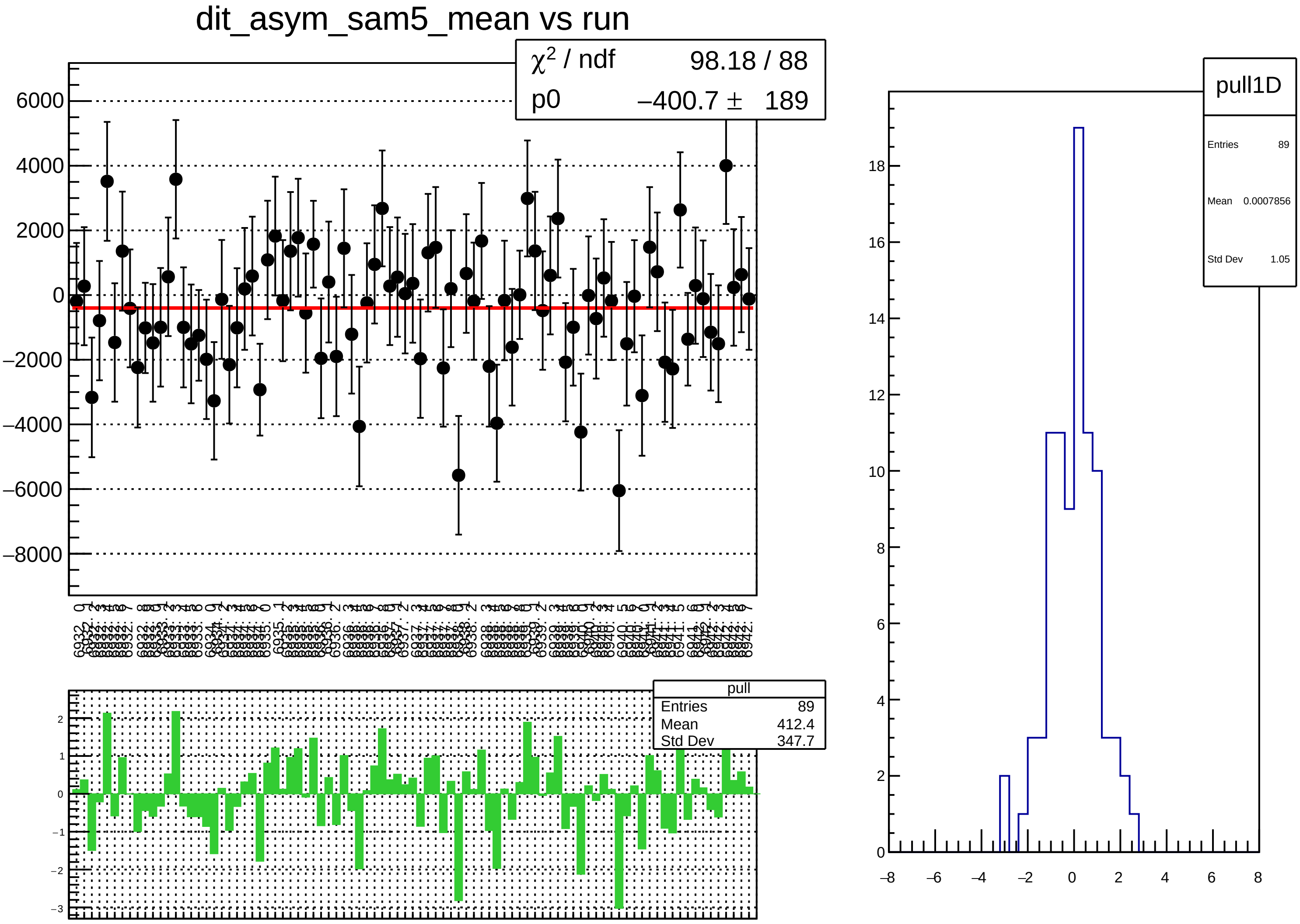

asym_sam4_correction_mean vs run
×10³
χ² / ndf 65.96 / 88
p0 1623 ± 2644
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 89
Mean 1.391e+05
Std Dev 1.391e+05
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 89
Mean −2.272e−05
Std Dev 0.8609
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_correction_rms vs run
χ2 / ndf 5831 / 88
p0 2426 ± 1.87
3000
2900
2800
2700
2600
2500
2400
2300
2200

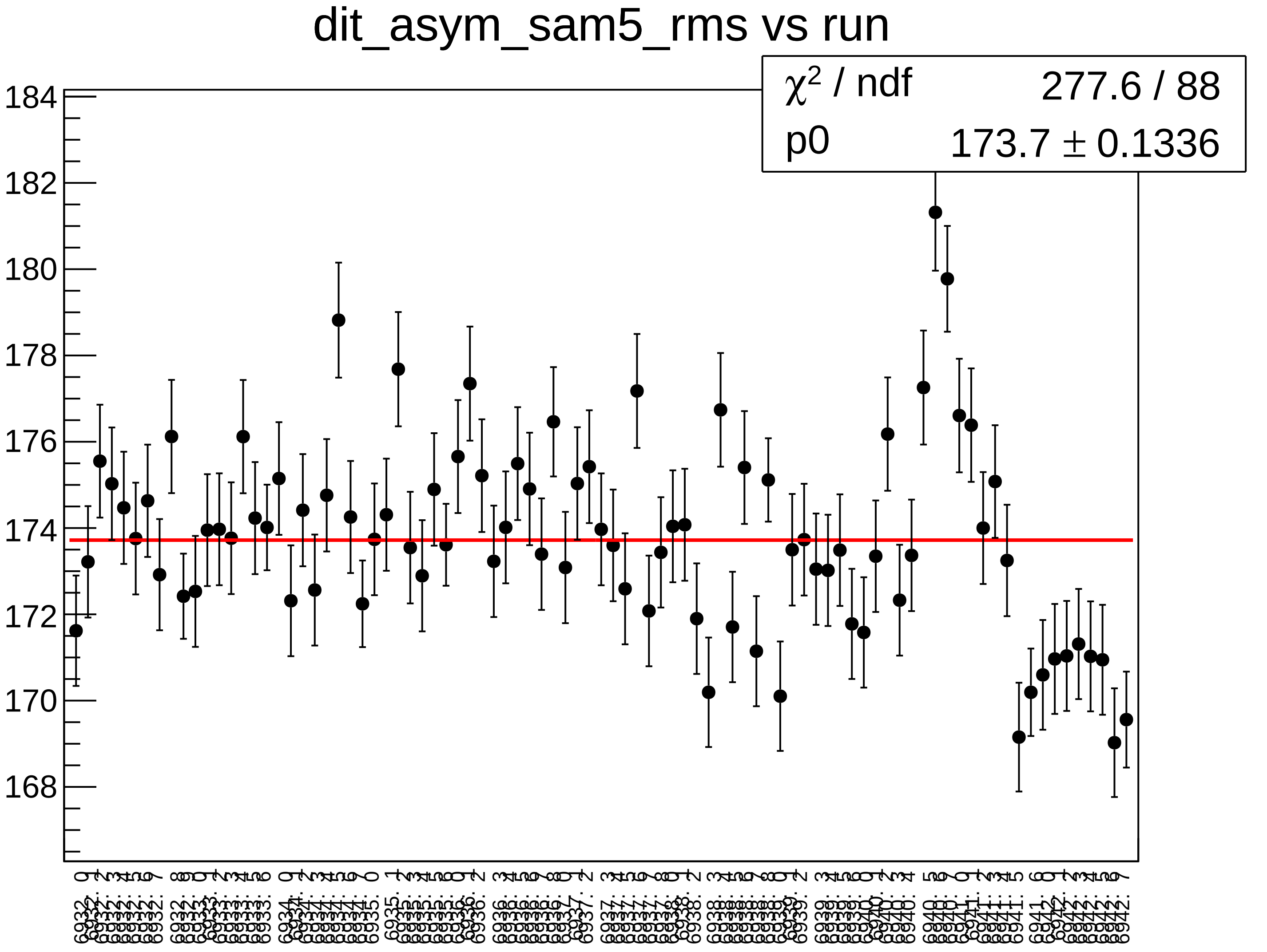


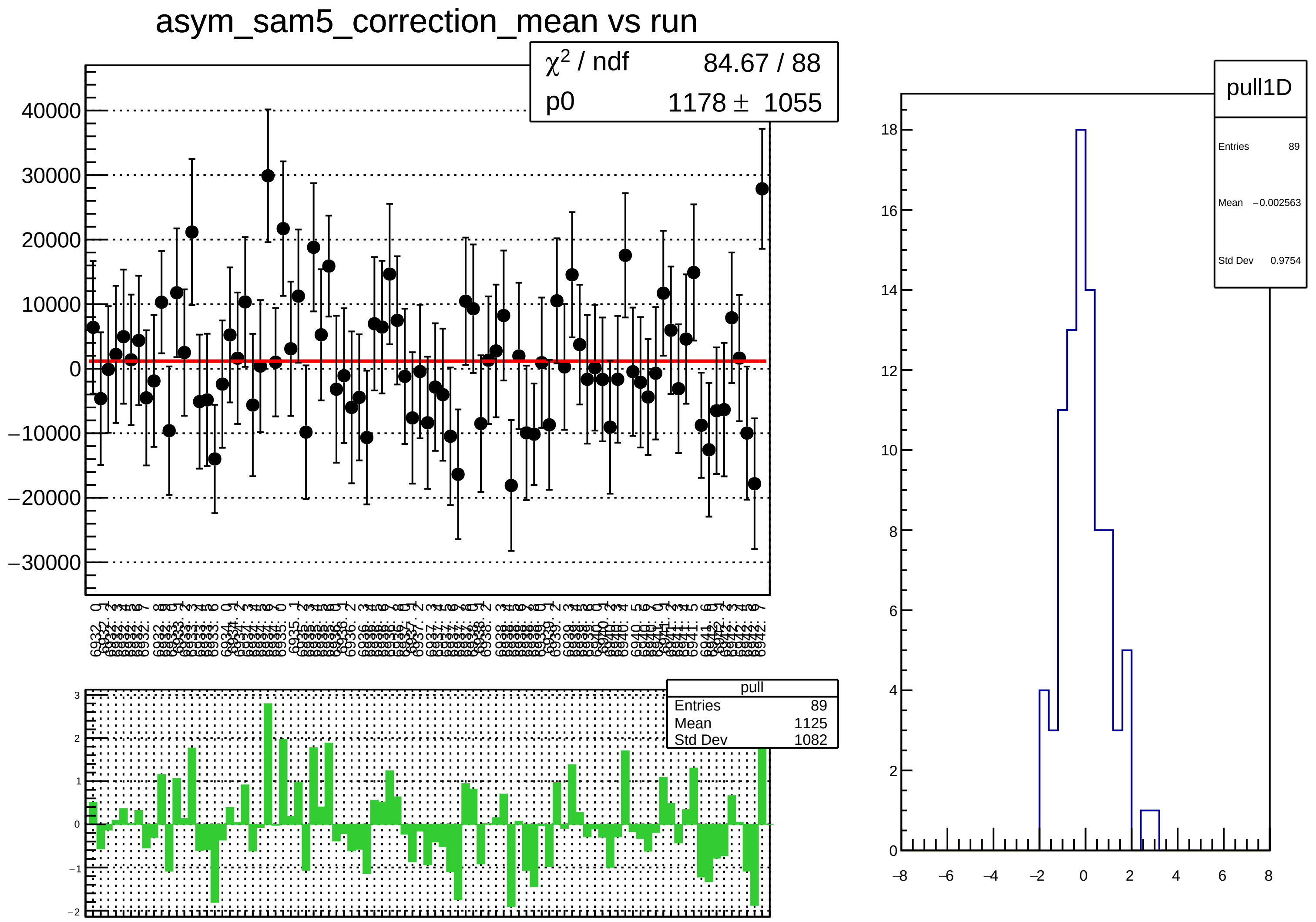
asym_sam4_mean vs run
$\times 10^3$
χ^2 / ndf 64.41 / 88
p0 −2317 ± 2658
pull
Entries 89
Mean −6346
Std Dev 6394
pull1D
Entries 89
Mean −0.0004758
Std Dev 0.8507


asym_sam4_rms vs run
χ^2 / ndf 6535 / 88
p0 2438 ± 1.879
3000
2900
2800
2700
2600
2500
2400
2300
2200

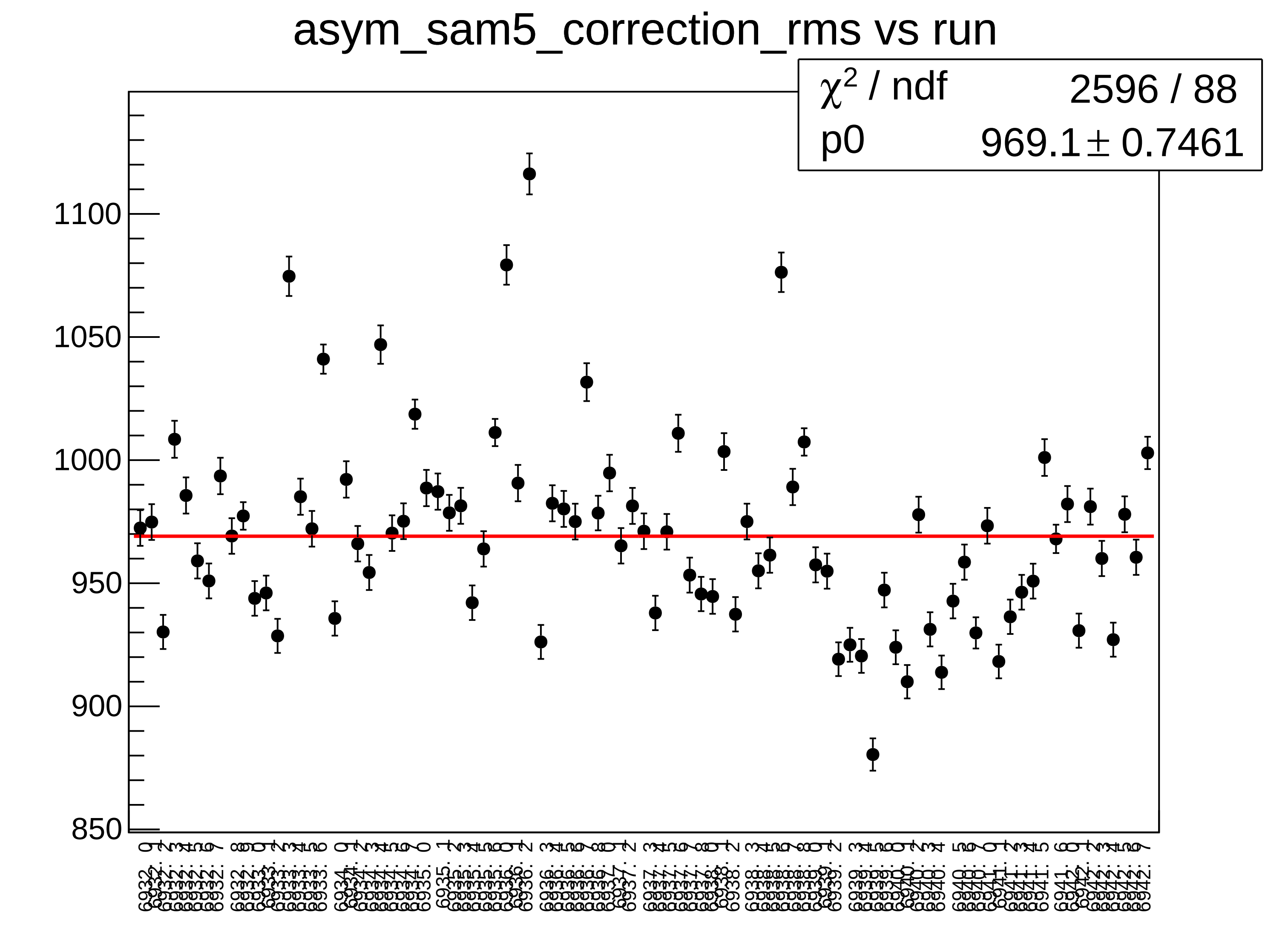


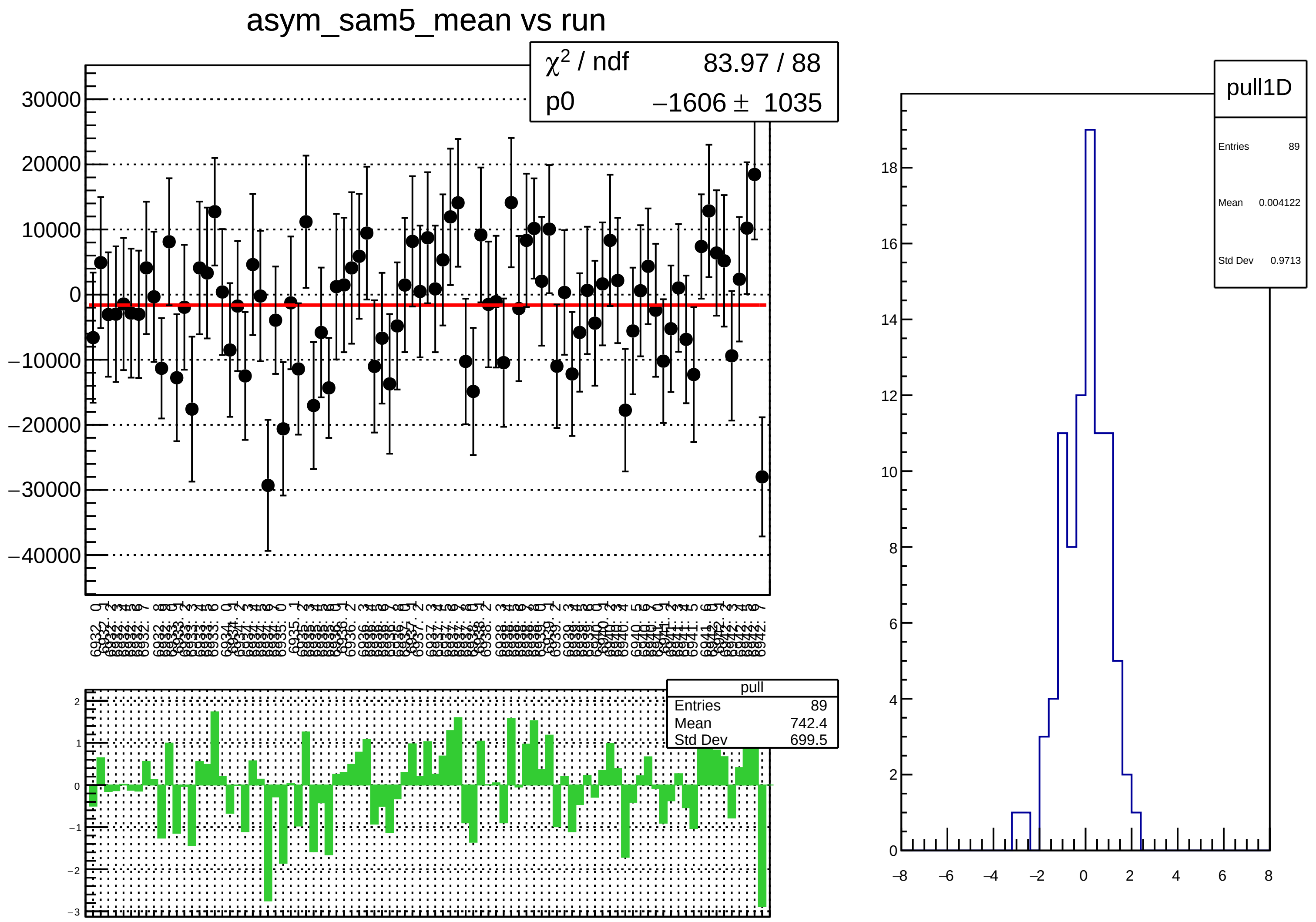
dit_asym_sam5_mean vs run
χ2 / ndf 98.18 / 88
p0 −400.7 ± 189
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 89
Mean 412.4
Std Dev 347.7
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.0007856
Std Dev 1.05
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam5_rms vs run
χ2 / ndf 277.6 / 88
p0 173.7 ± 0.1336
184
182
180
178
176
174
172
170
168

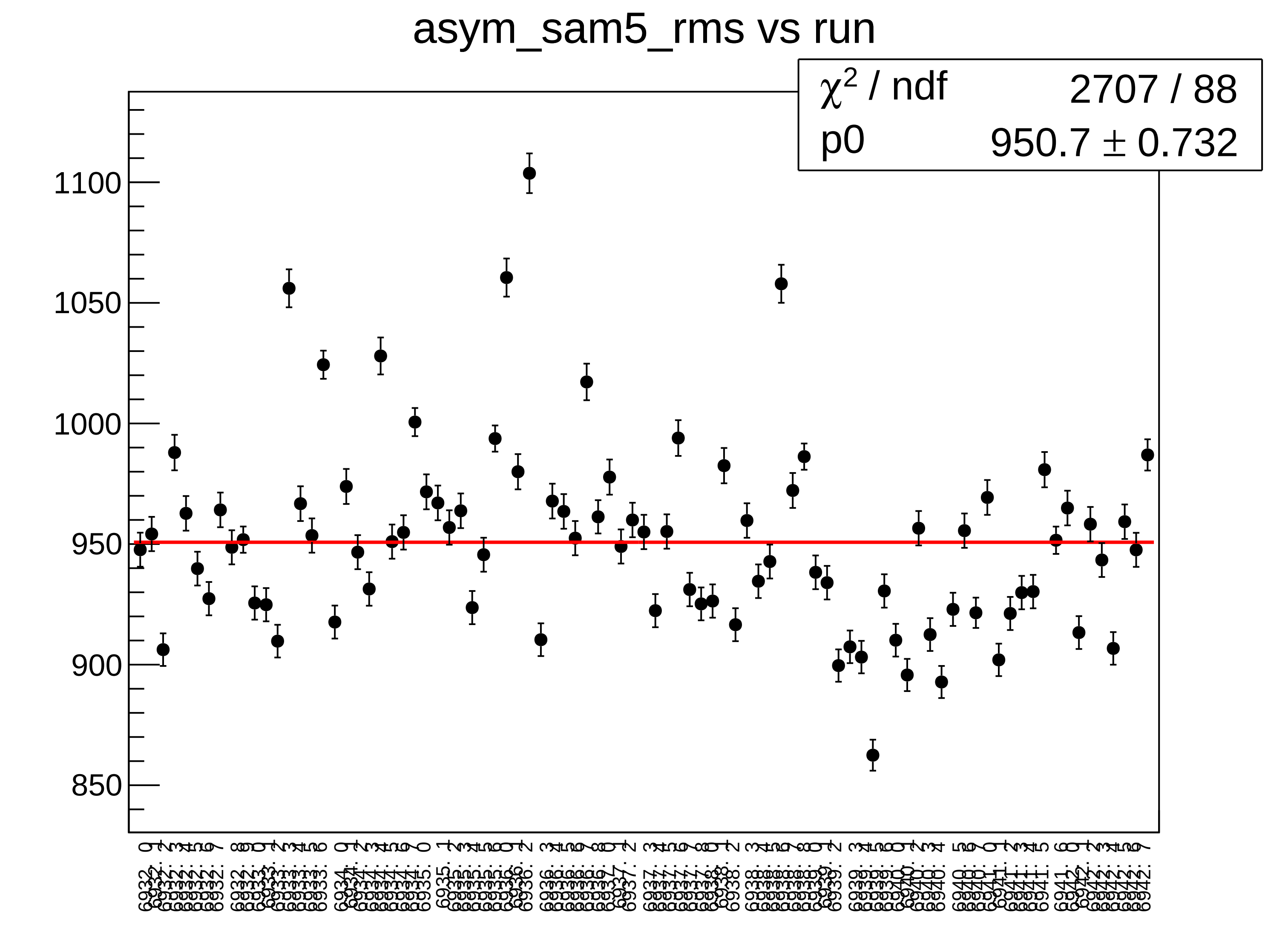


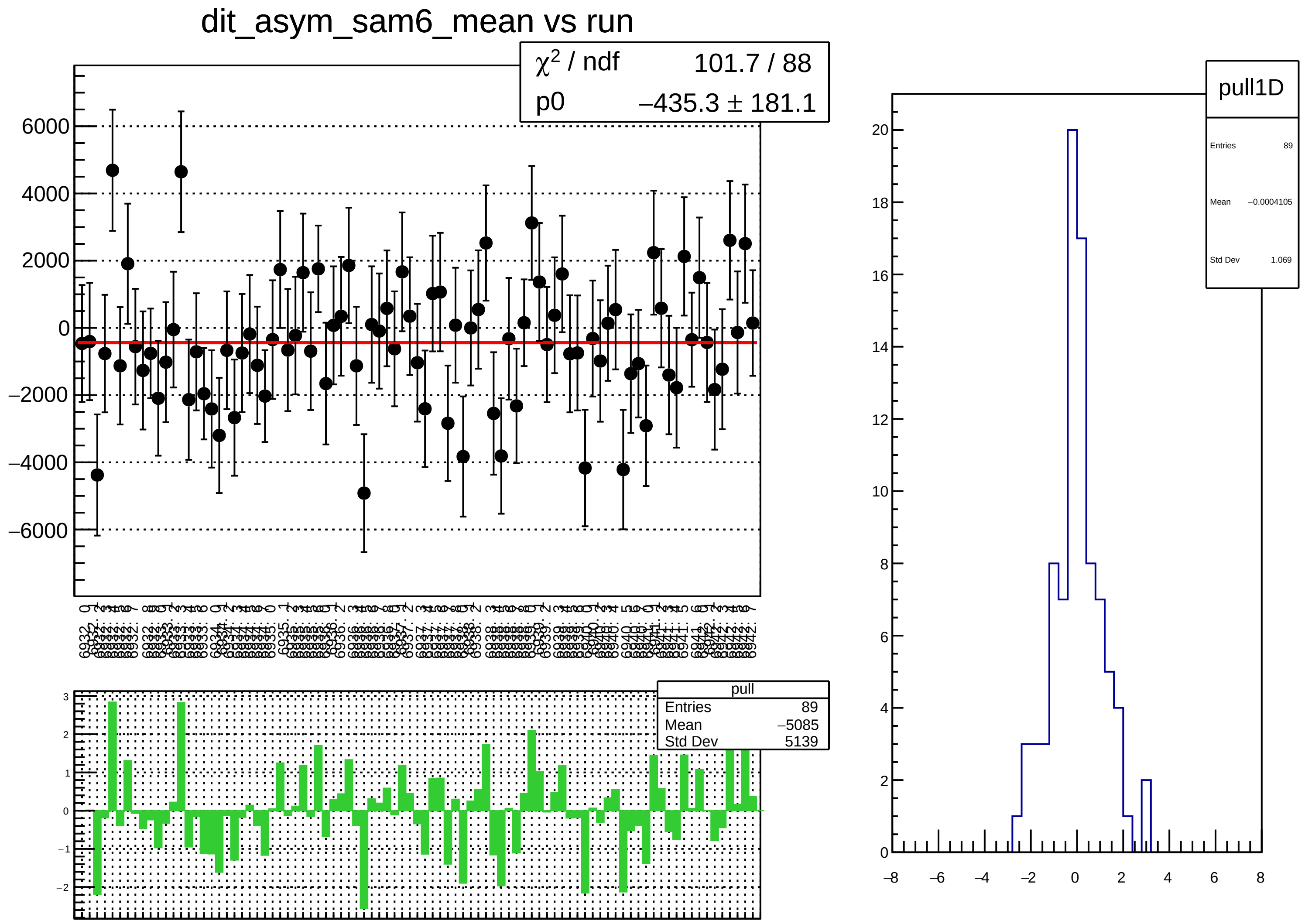
asym_sam5_correction_mean vs run
χ2 / ndf 84.67 / 88
p0 1178 ± 1055
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 1125
Std Dev 1082
pull1D
Entries 89
Mean −0.002563
Std Dev 0.9754

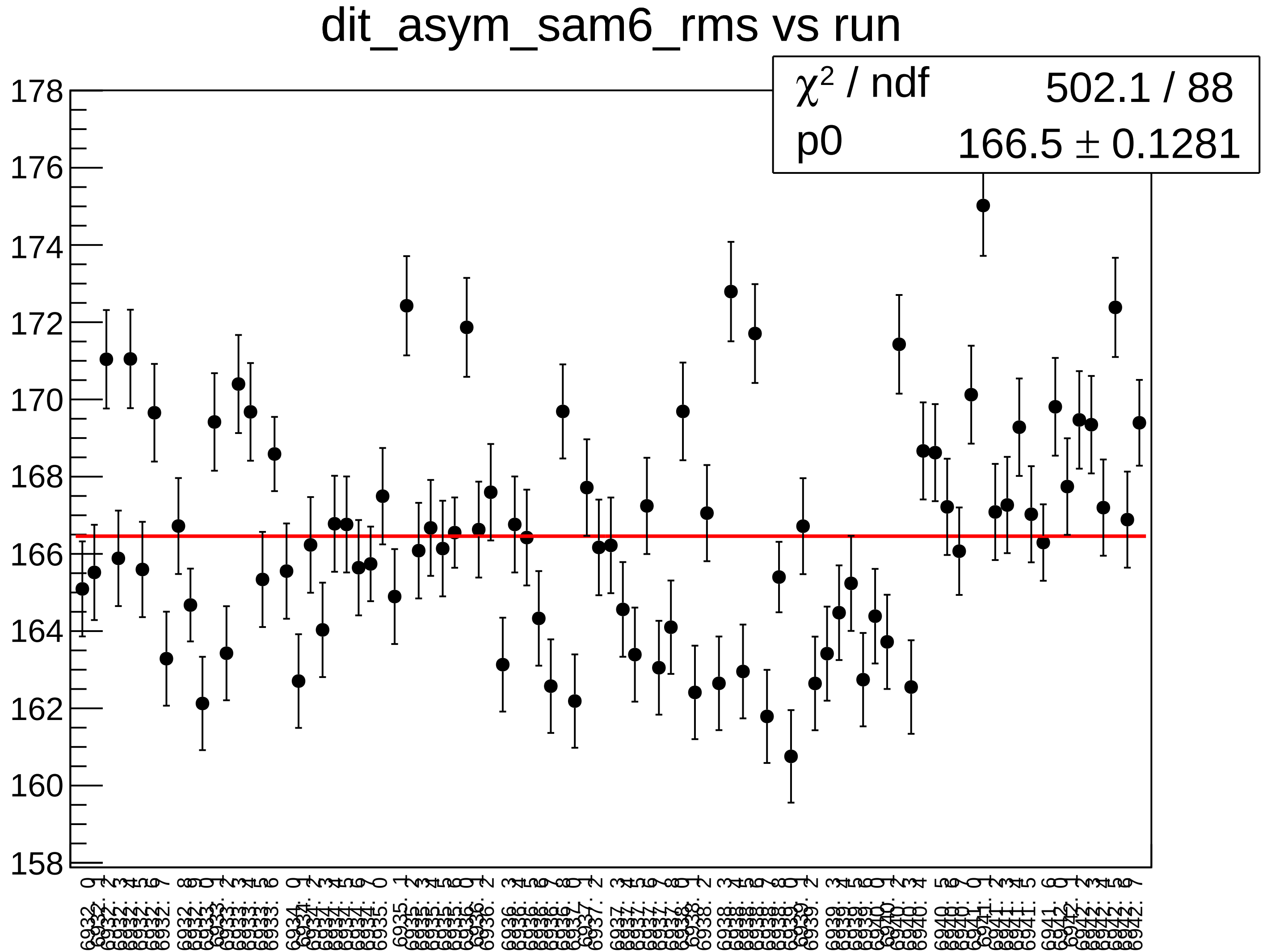

asym_sam5_correction_rms vs run
χ^2 / ndf 2596 / 88
p0 969.1 ± 0.7461
1100
1050
1000
950
900
850

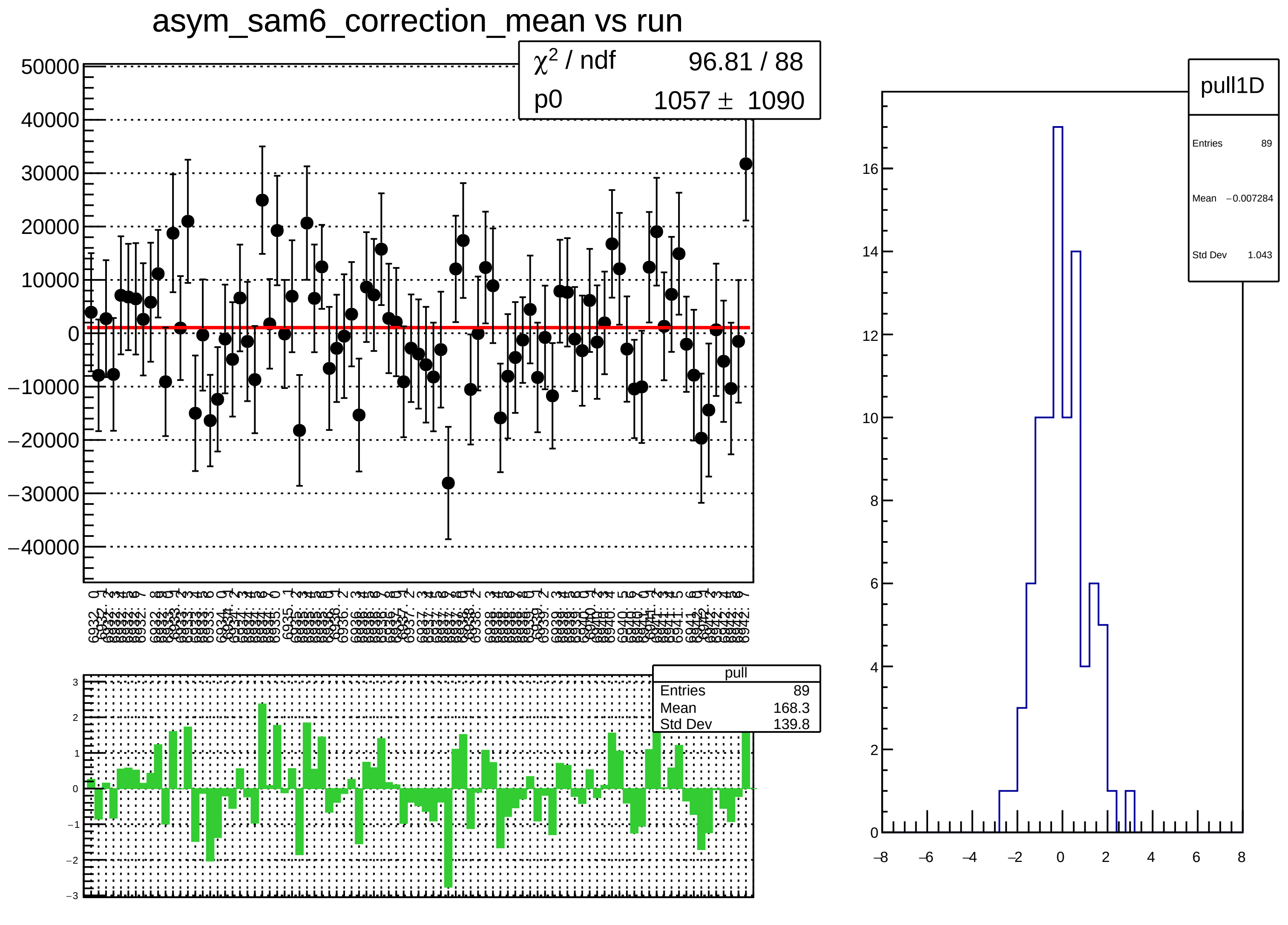


asym_sam5_mean vs run
χ^2 / ndf 83.97 / 88
p0 −1606 ± 1035
pull
Entries 89
Mean 742.4
Std Dev 699.5
pull1D
Entries 89
Mean 0.004122
Std Dev 0.9713

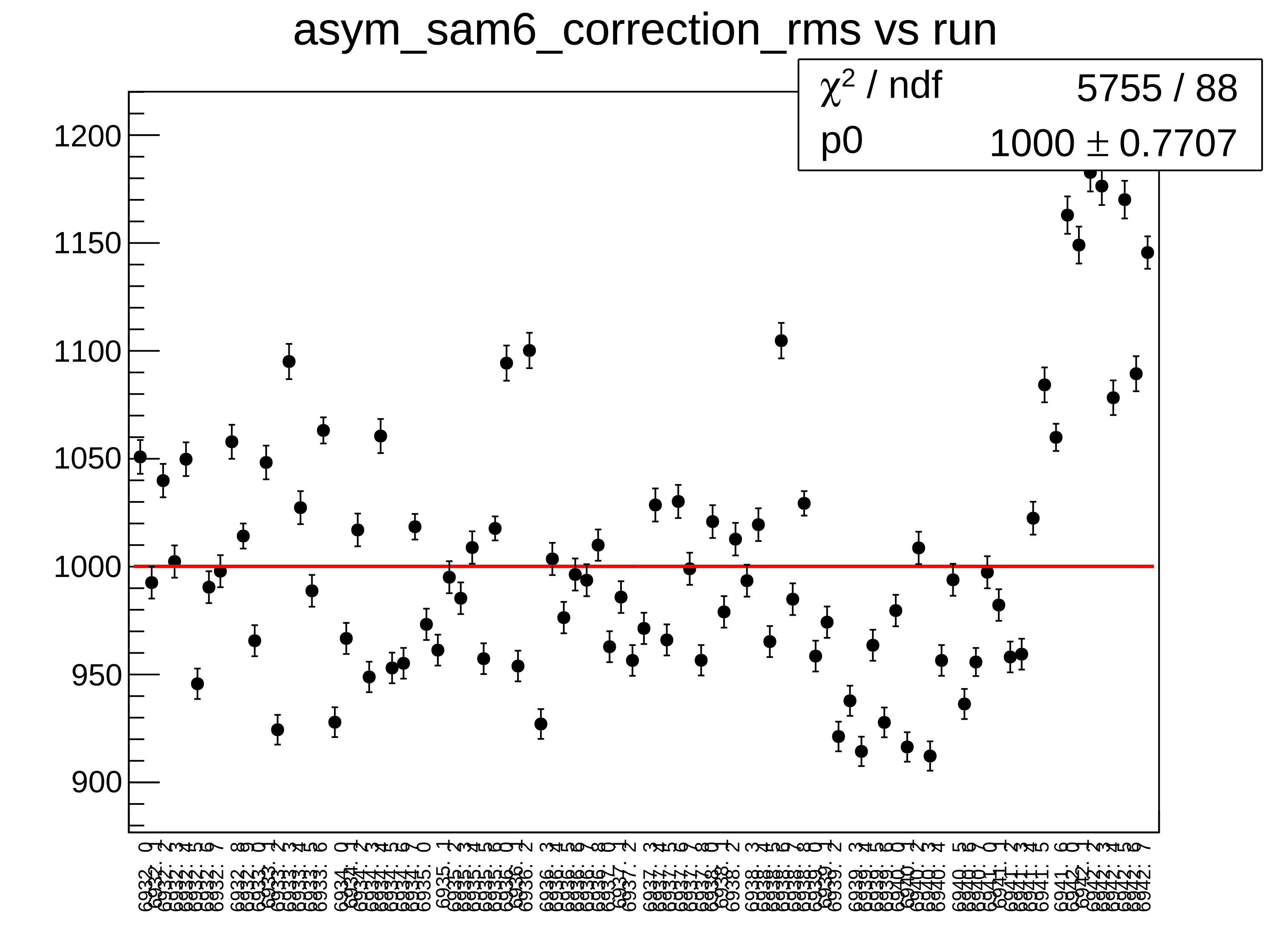

asym_sam5_rms vs run
χ2 / ndf 2707 / 88
p0 950.7 ± 0.732
1100
1050
1000
950
900
850


dit_asym_sam6_mean vs run
χ² / ndf 101.7 / 88
p0 −435.3 ± 181.1
pull
Entries 89
Mean −5085
Std Dev 5139
pull1D
Entries 89
Mean −0.0004105
Std Dev 1.069

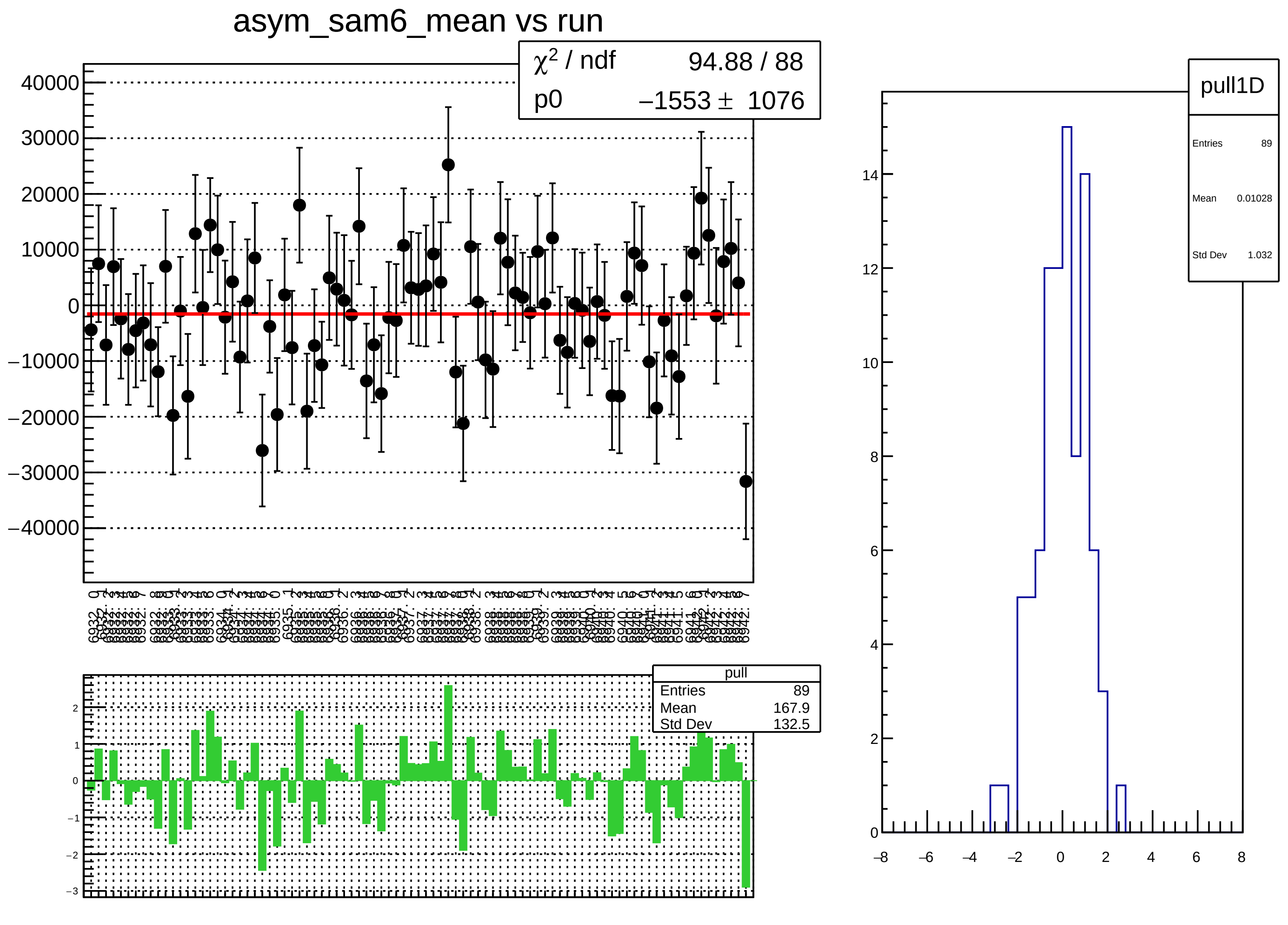

dit_asym_sam6_rms vs run
χ2 / ndf 502.1 / 88
p0 166.5 ± 0.1281
178
176
174
172
170
168
166
164
162
160
158



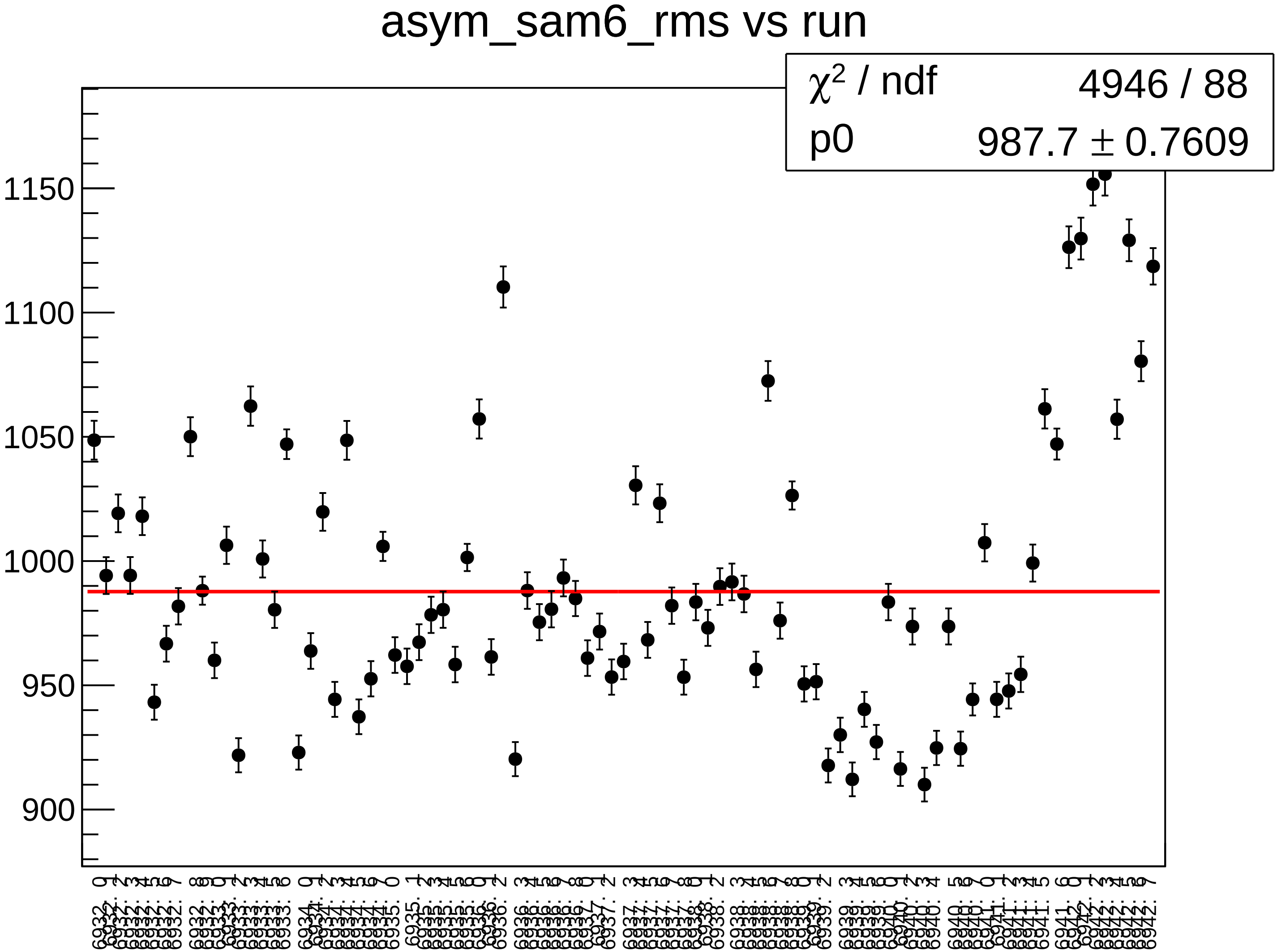
asym_sam6_correction_mean vs run
χ^2 / ndf 96.81 / 88
p0 1057 ± 1090
pull
Entries 89
Mean 168.3
Std Dev 139.8
pull1D
Entries 89
Mean −0.007284
Std Dev 1.043



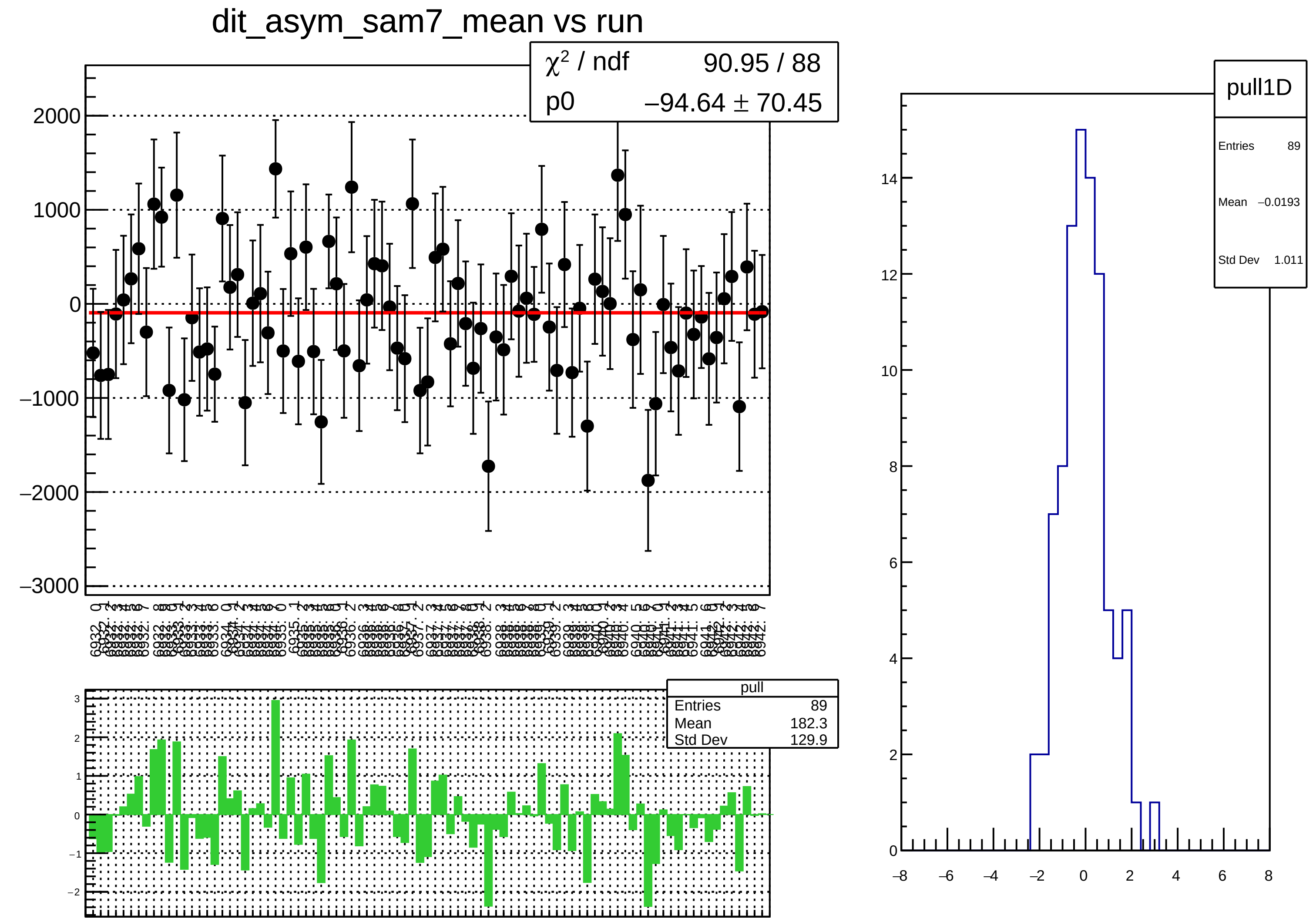
asym_sam6_correction_rms vs run
χ^2 / ndf 5755 / 88
p0 1000 ± 0.7707
1200
1150
1100
1050
1000
950
900



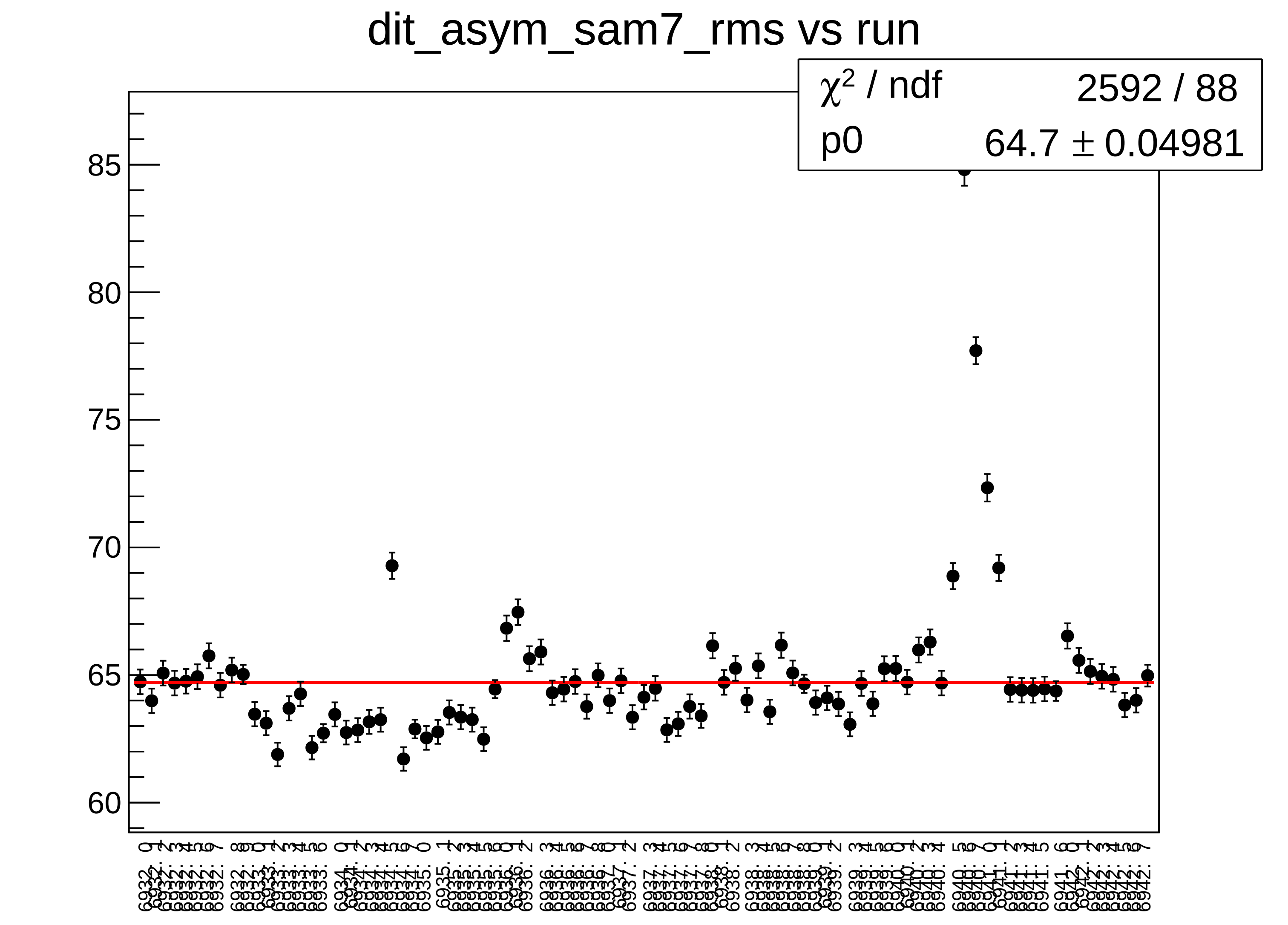
asym_sam6_mean vs run
χ^2 / ndf 94.88 / 88
p0 −1553 ± 1076
pull
Entries 89
Mean 167.9
Std Dev 132.5
pull1D
Entries 89
Mean 0.01028
Std Dev 1.032

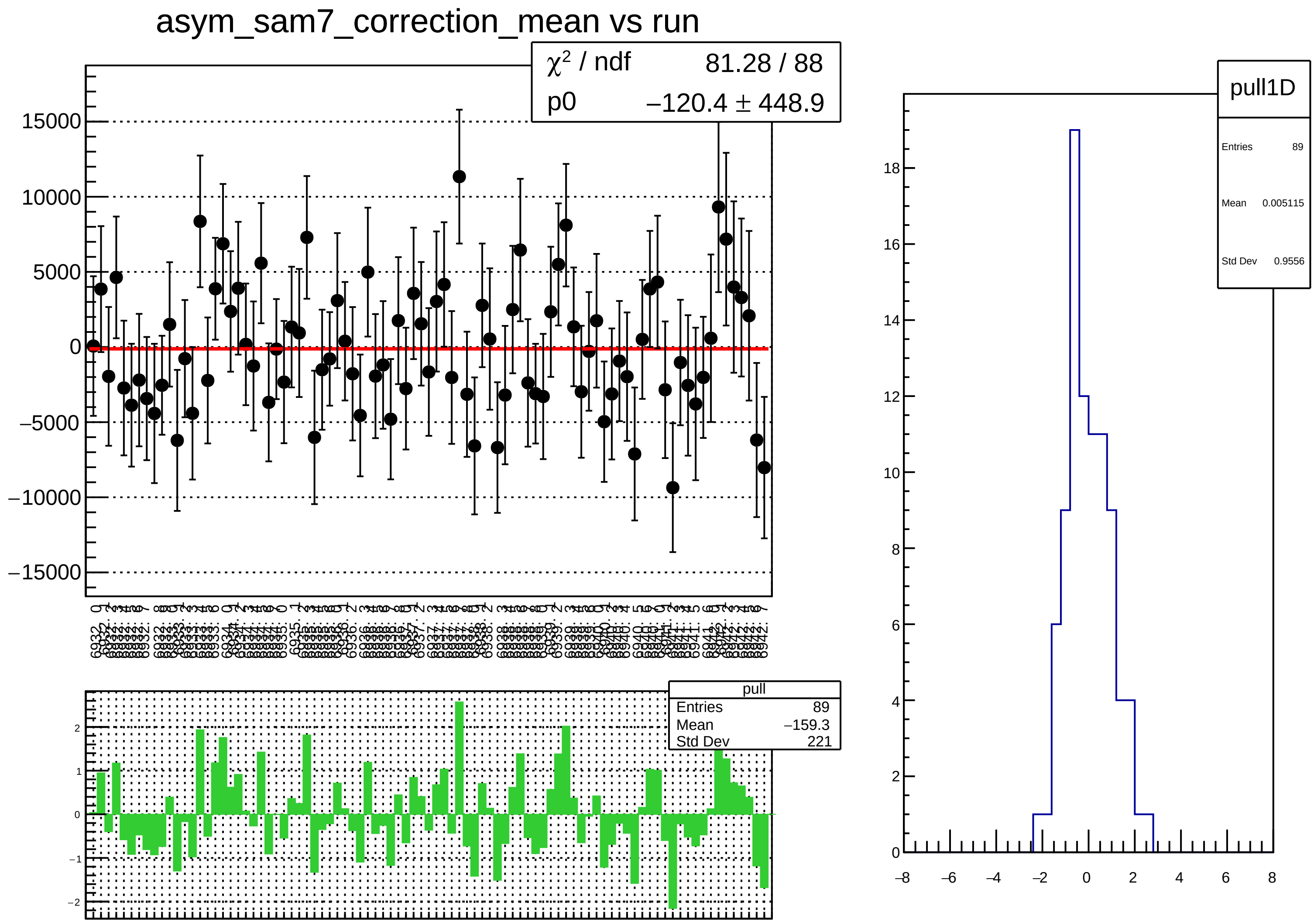


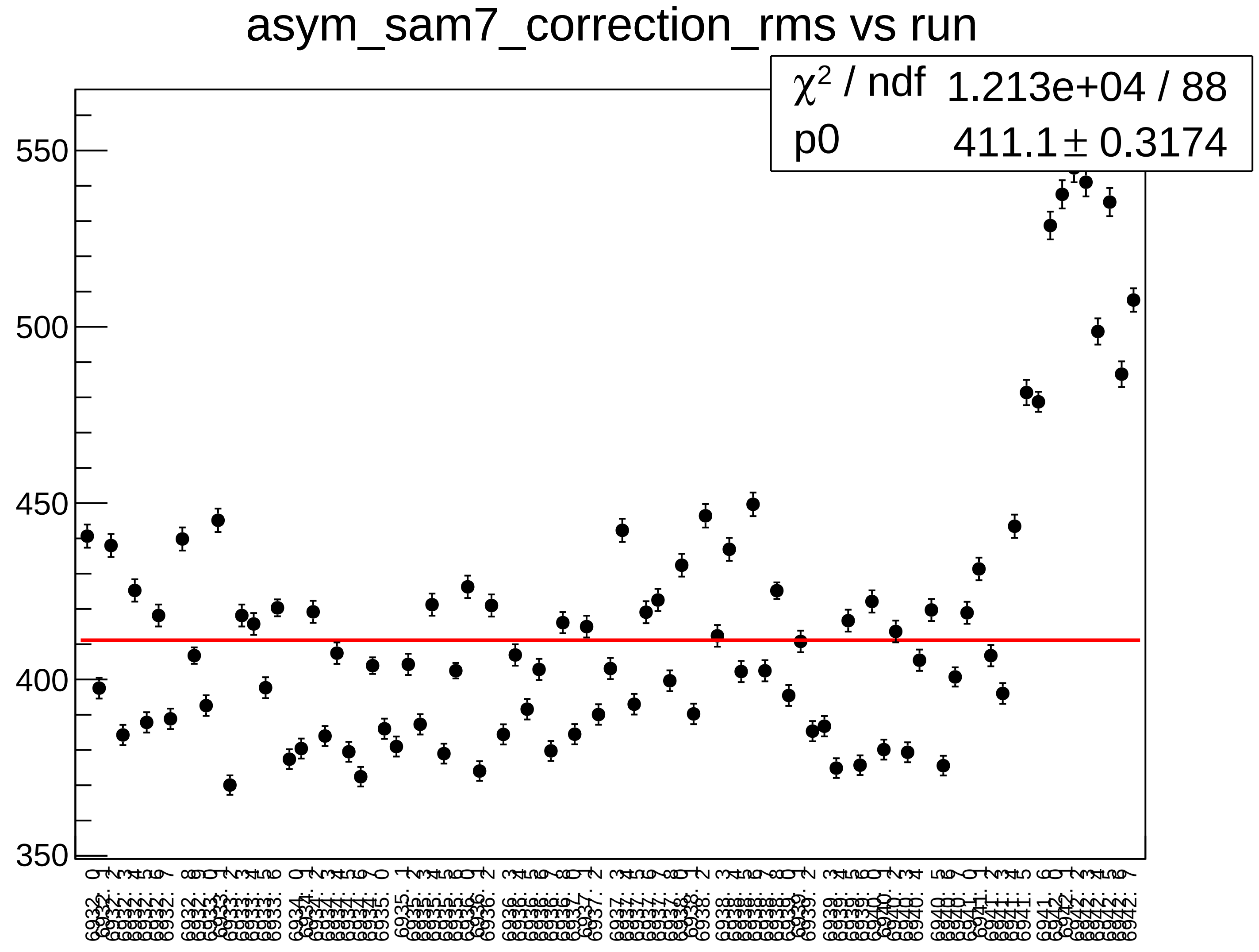
asym_sam6_rms vs run
χ^2 / ndf 4946 / 88
p0 987.7 ± 0.7609
1150
1100
1050
1000
950
900



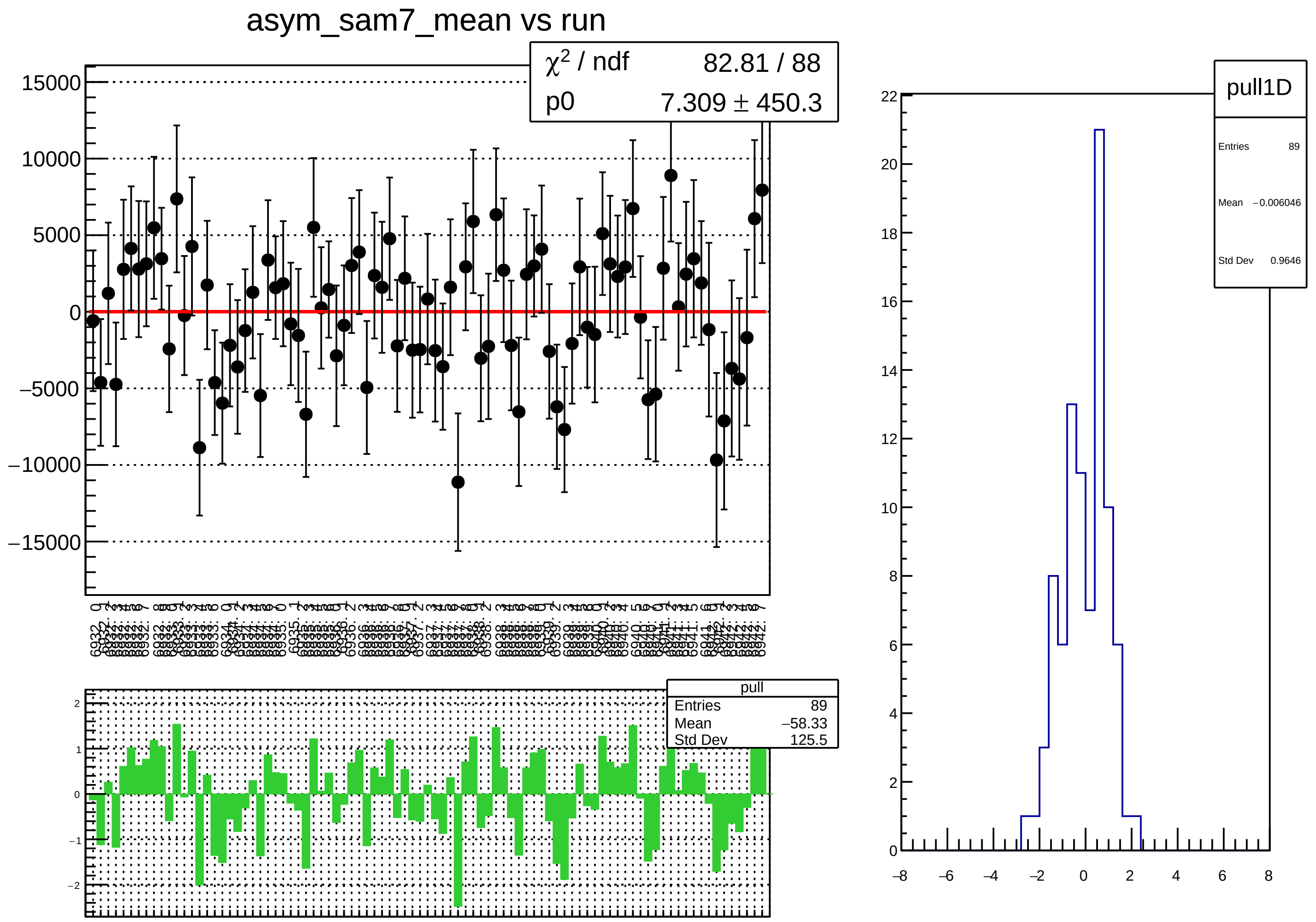
dit_asym_sam7_mean vs run
χ^2 / ndf 90.95 / 88
p0 −94.64 ± 70.45
pull
Entries 89
Mean 182.3
Std Dev 129.9
pull1D
Entries 89
Mean −0.0193
Std Dev 1.011

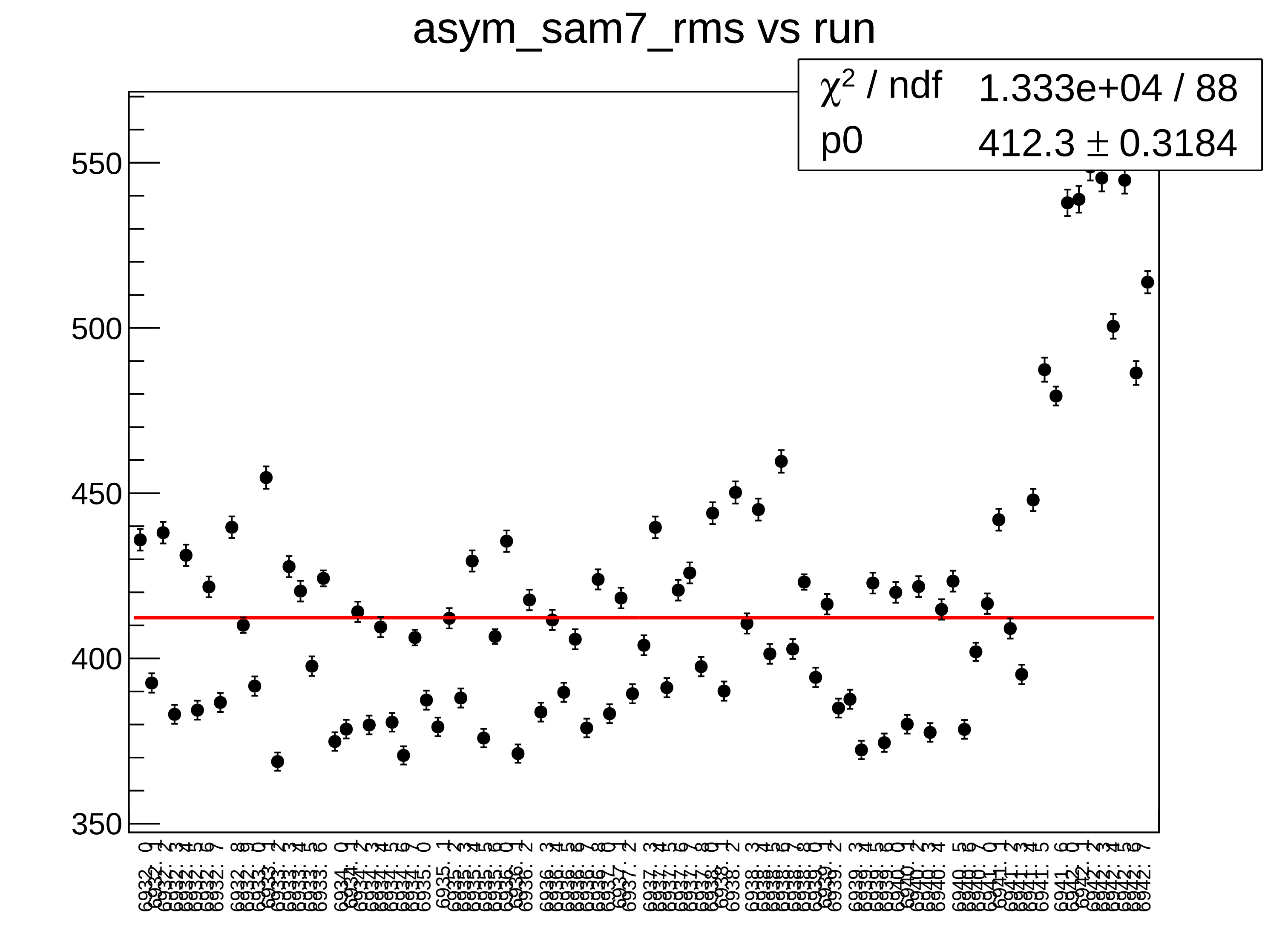

dit_asym_sam7_rms vs run
χ2 / ndf 2592 / 88
p0 64.7 ± 0.04981
85
80
75
70
65
60

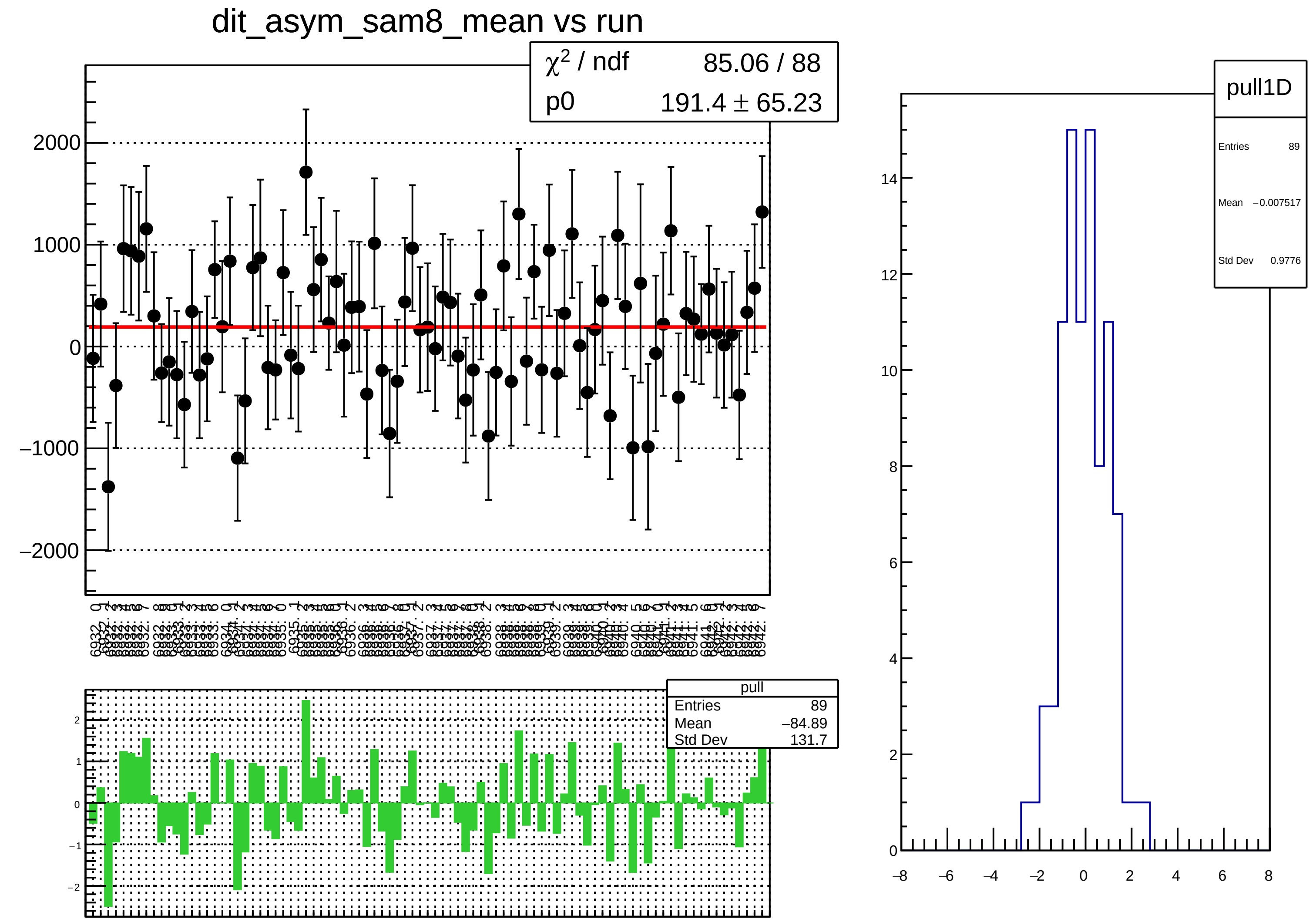

asym_sam7_correction_mean vs run
χ2 / ndf 81.28 / 88
p0 −120.4 ± 448.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −159.3
Std Dev 221
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.005115
Std Dev 0.9556
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



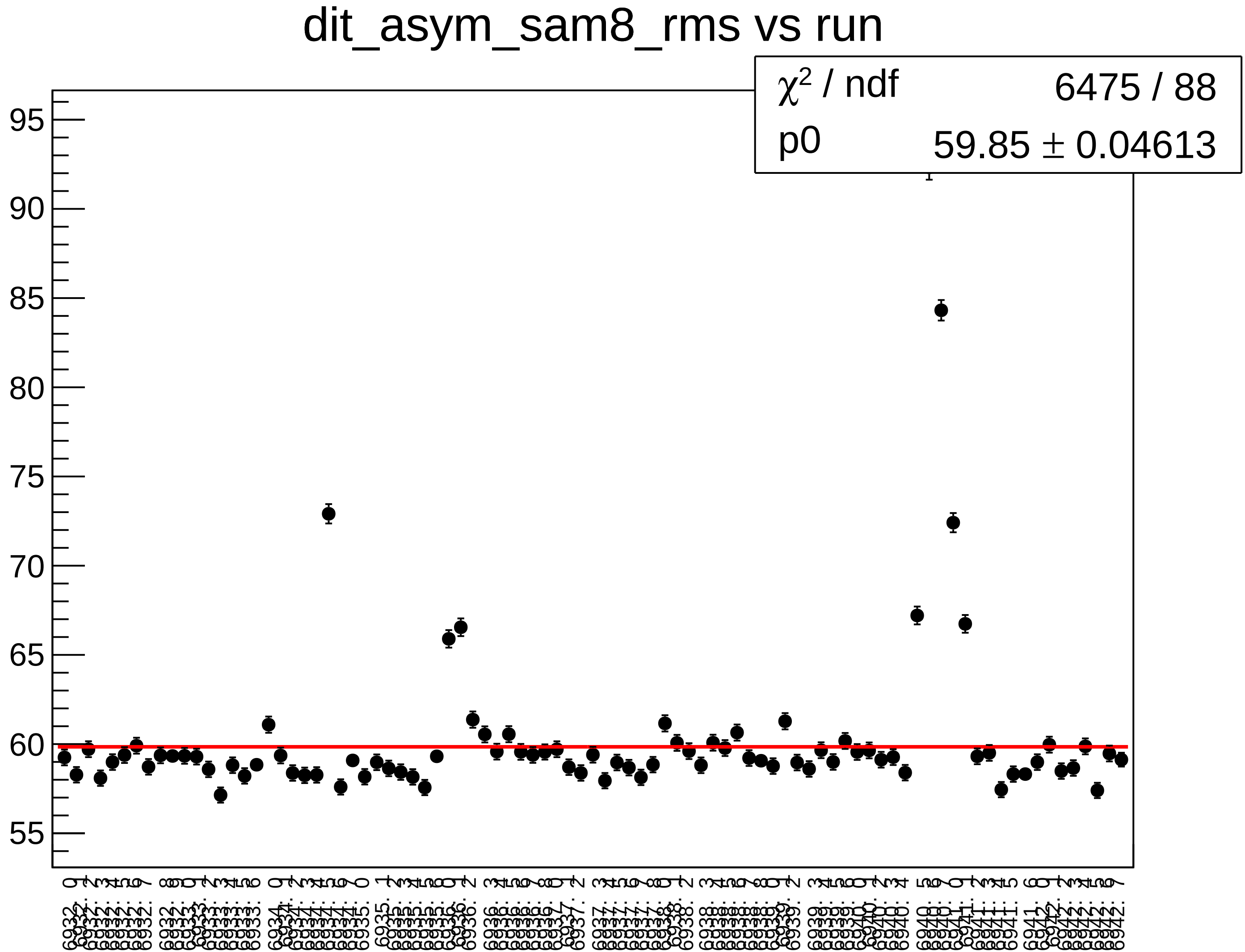
asym_sam7_correction_rms vs run
χ^2 / ndf 1.213e+04 / 88
p0 411.1 ± 0.3174
550
500
450
400
350


asym_sam7_mean vs run
χ^2 / ndf 82.81 / 88
p0 7.309 ± 450.3
pull
Entries 89
Mean −58.33
Std Dev 125.5
pull1D
Entries 89
Mean −0.006046
Std Dev 0.9646

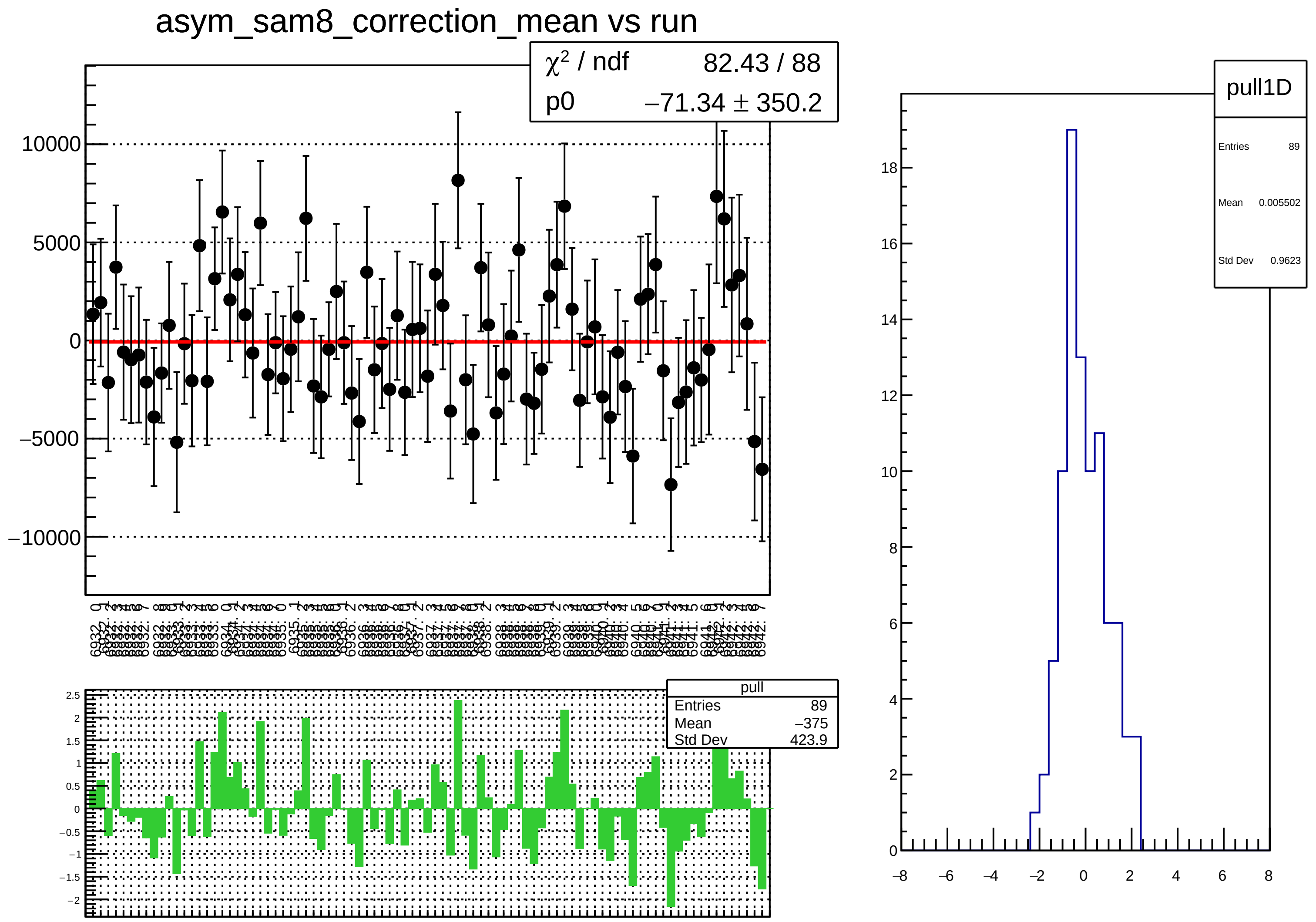

asym_sam7_rms vs run
χ^2 / ndf 1.333e+04 / 88
p0 412.3 ± 0.3184
550
500
450
400
350



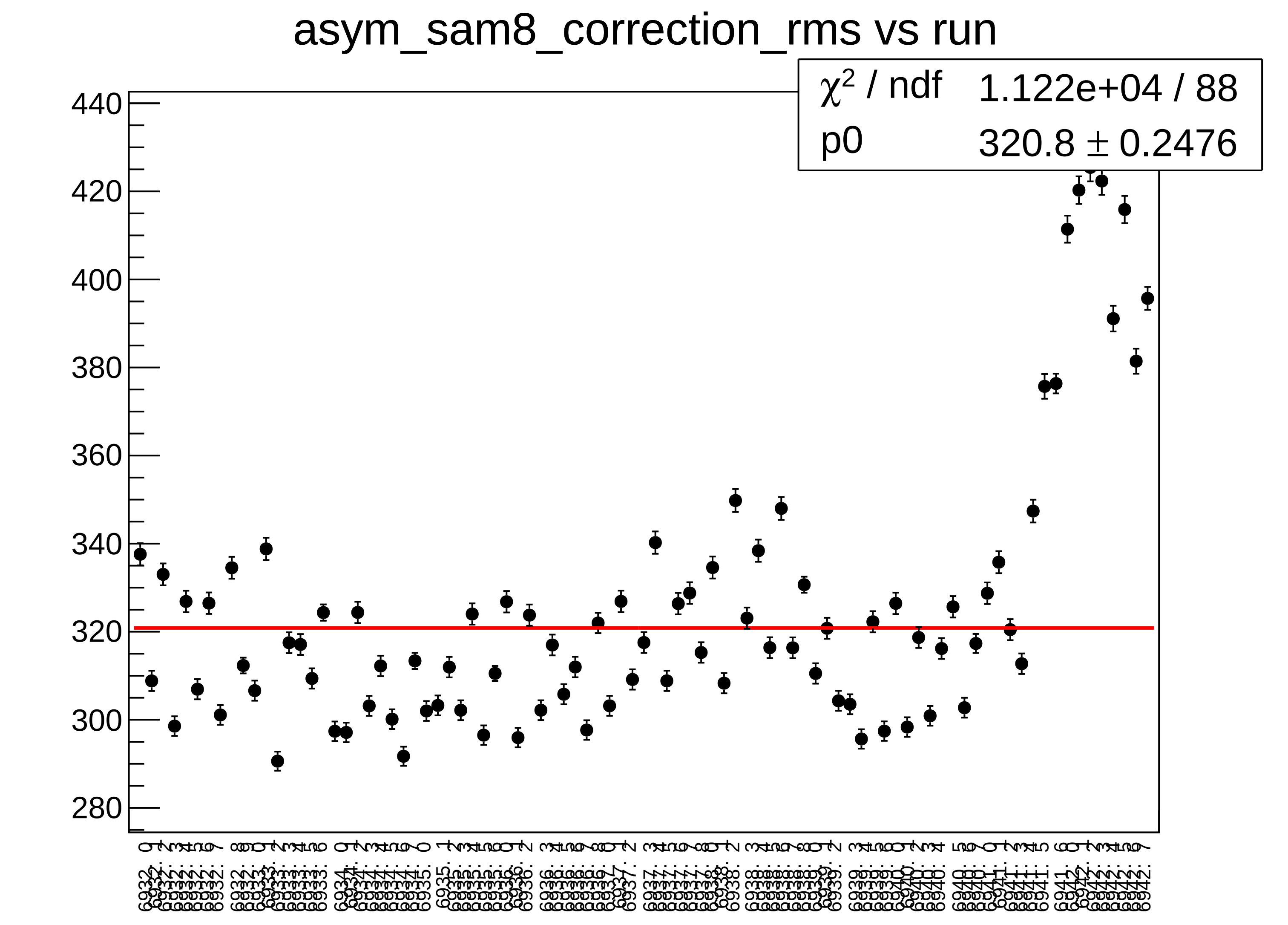
dit_asym_sam8_mean vs run
χ^2 / ndf 85.06 / 88
p0 191.4 ± 65.23
pull
Entries 89
Mean −84.89
Std Dev 131.7
pull1D
Entries 89
Mean −0.007517
Std Dev 0.9776

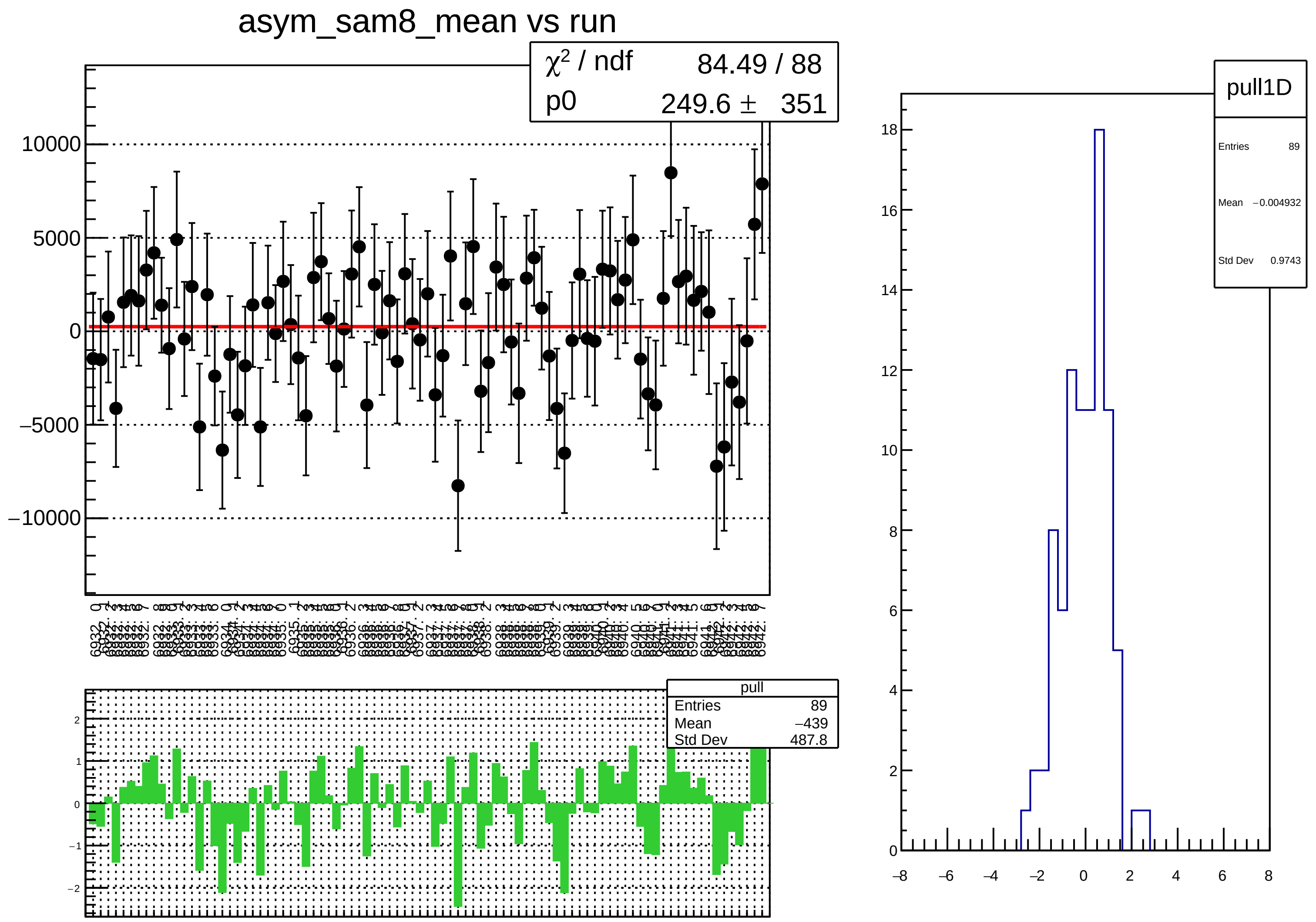


dit_asym_sam8_rms vs run
χ2 / ndf 6475 / 88
p0 59.85 ± 0.04613
95
90
85
80
75
70
65
60
55

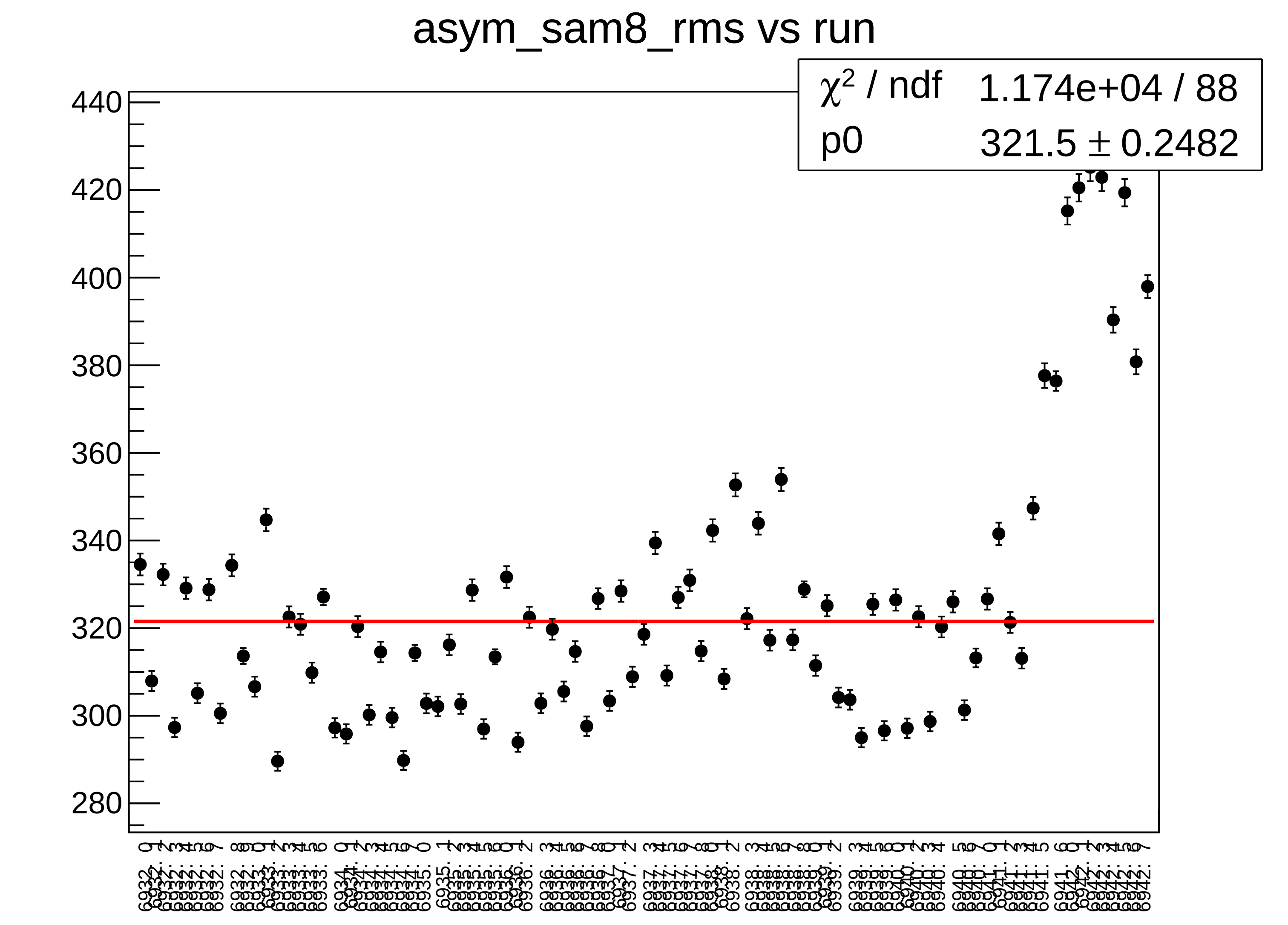


asym_sam8_correction_mean vs run
χ2 / ndf 82.43 / 88
p0 −71.34 ± 350.2
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −375
Std Dev 423.9
pull1D
Entries 89
Mean 0.005502
Std Dev 0.9623

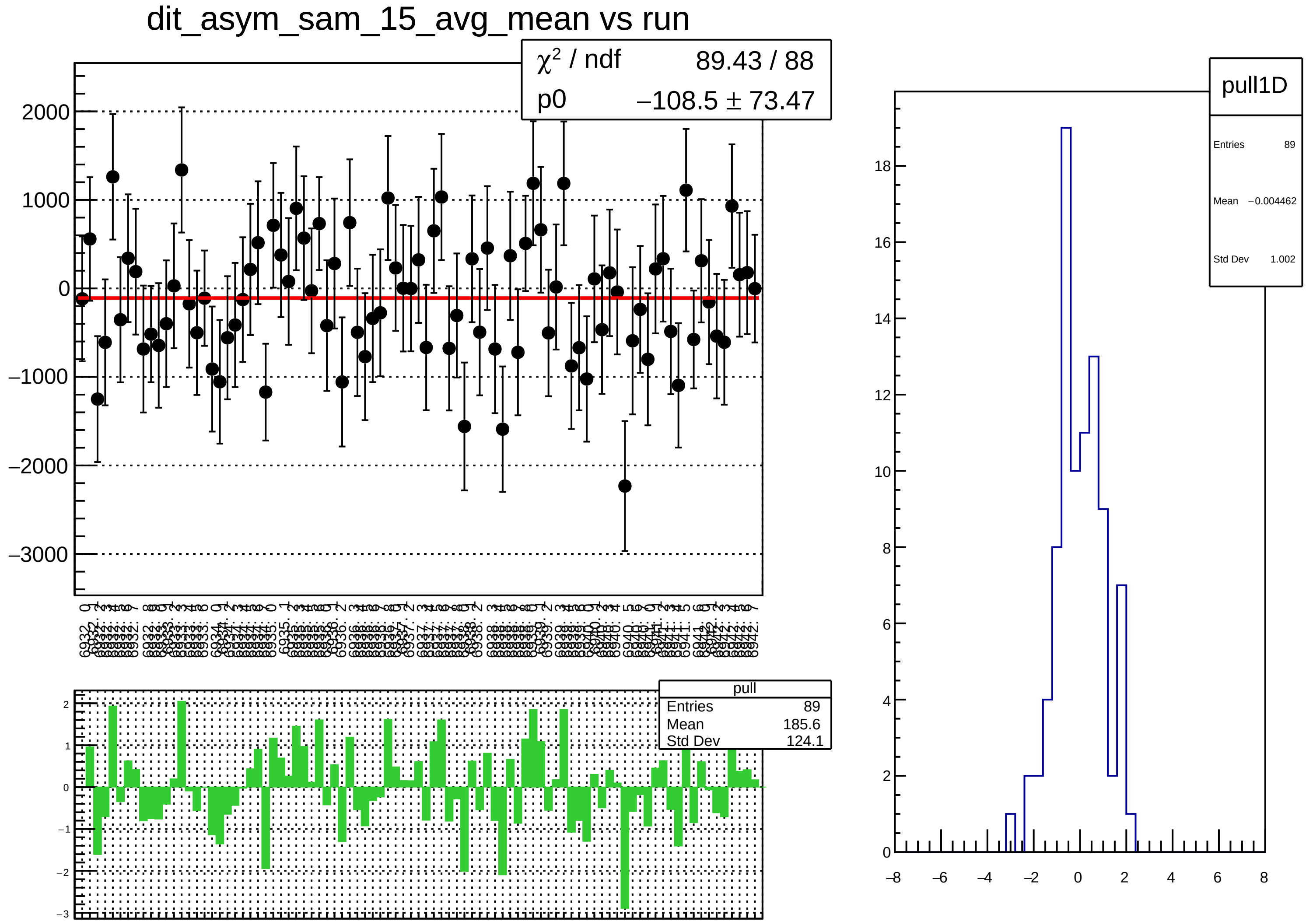

asym_sam8_correction_rms vs run
χ^2 / ndf 1.122e+04 / 88
p0 320.8 ± 0.2476
440
420
400
380
360
340
320
300
280

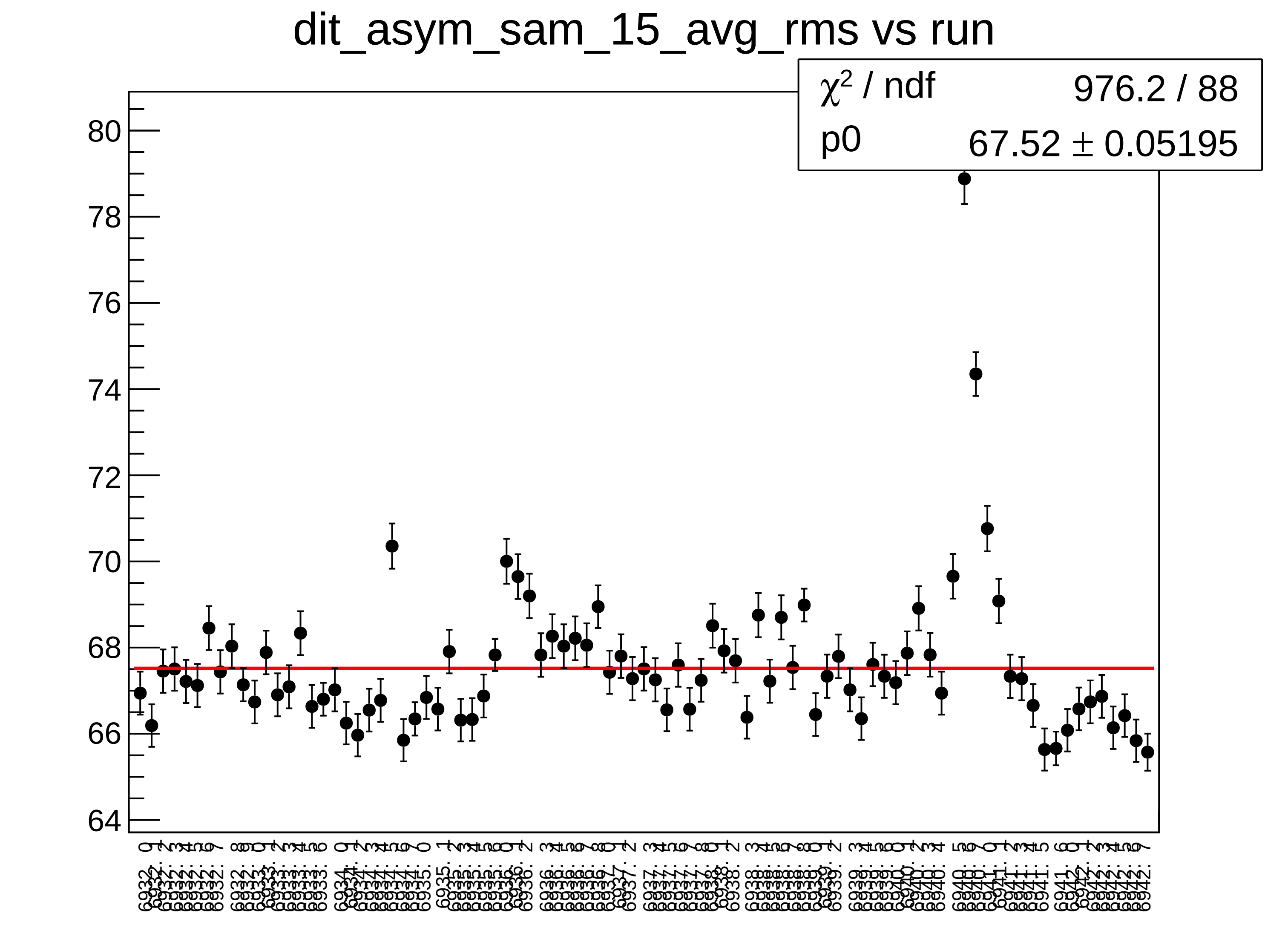


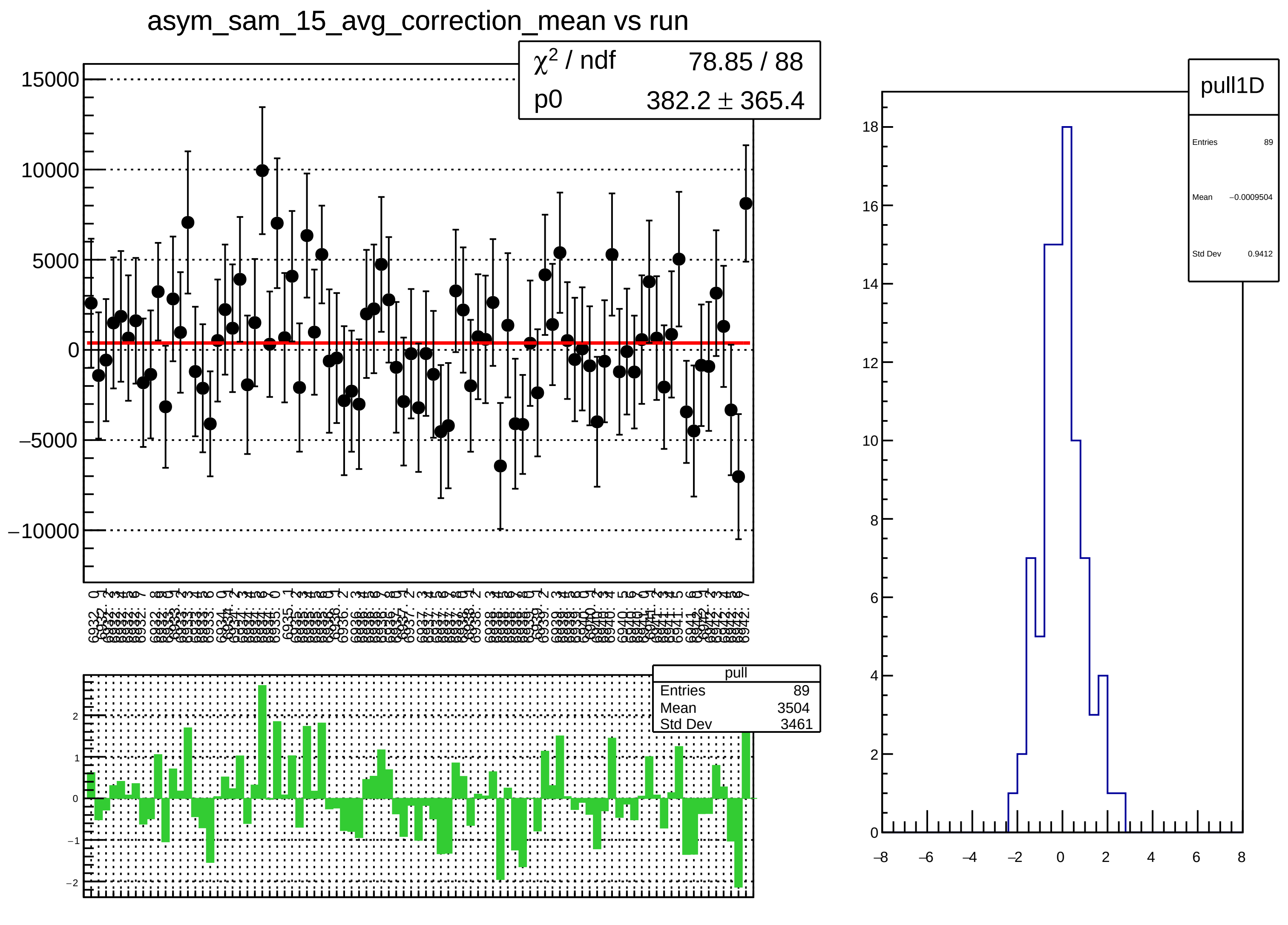
asym_sam8_mean vs run
χ^2 / ndf 84.49 / 88
p0 249.6 ± 351
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −439
Std Dev 487.8
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.004932
Std Dev 0.9743
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



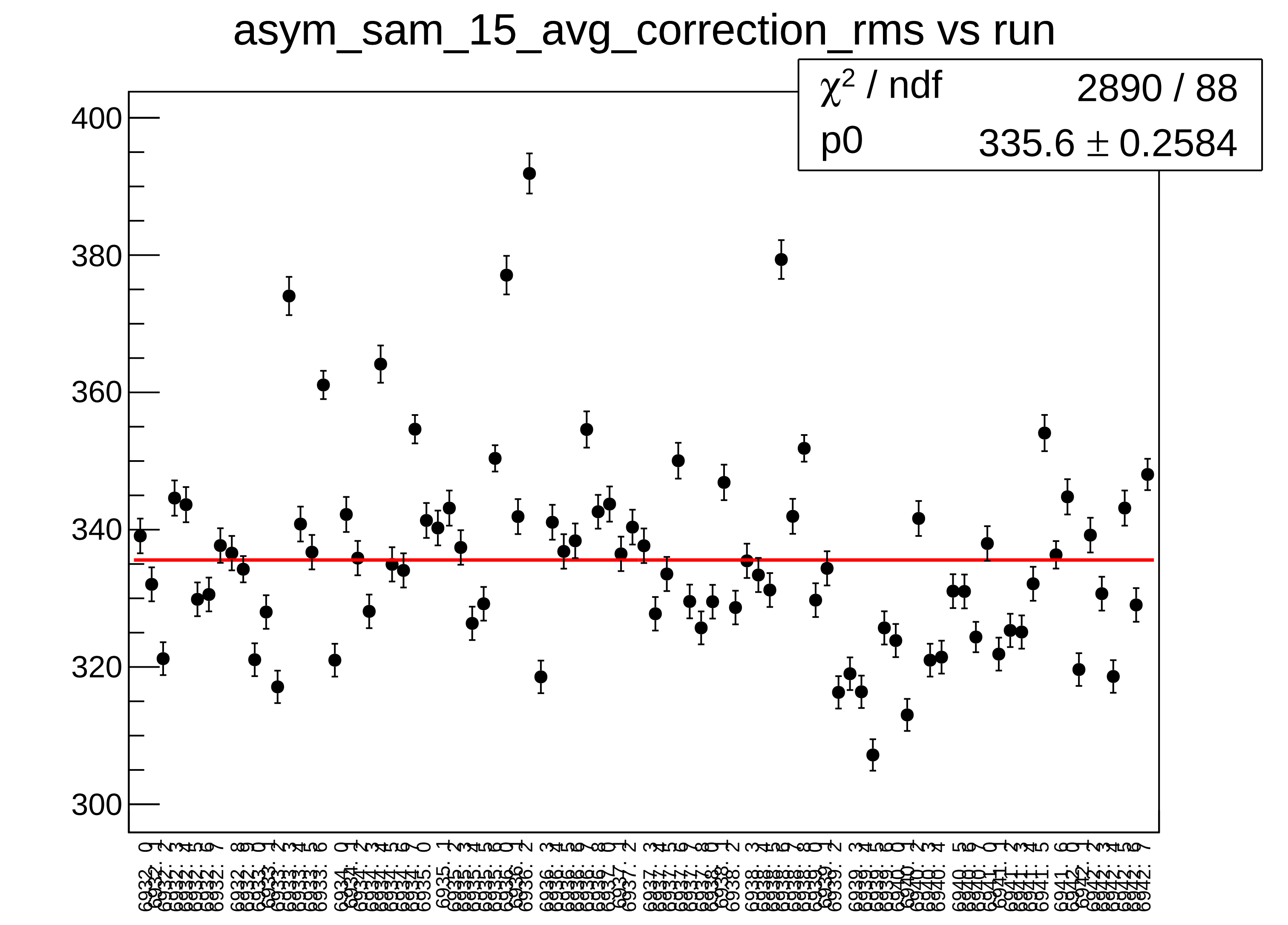
asym_sam8_rms vs run
χ2 / ndf 1.174e+04 / 88
p0 321.5 ± 0.2482
440
420
400
380
360
340
320
300
280

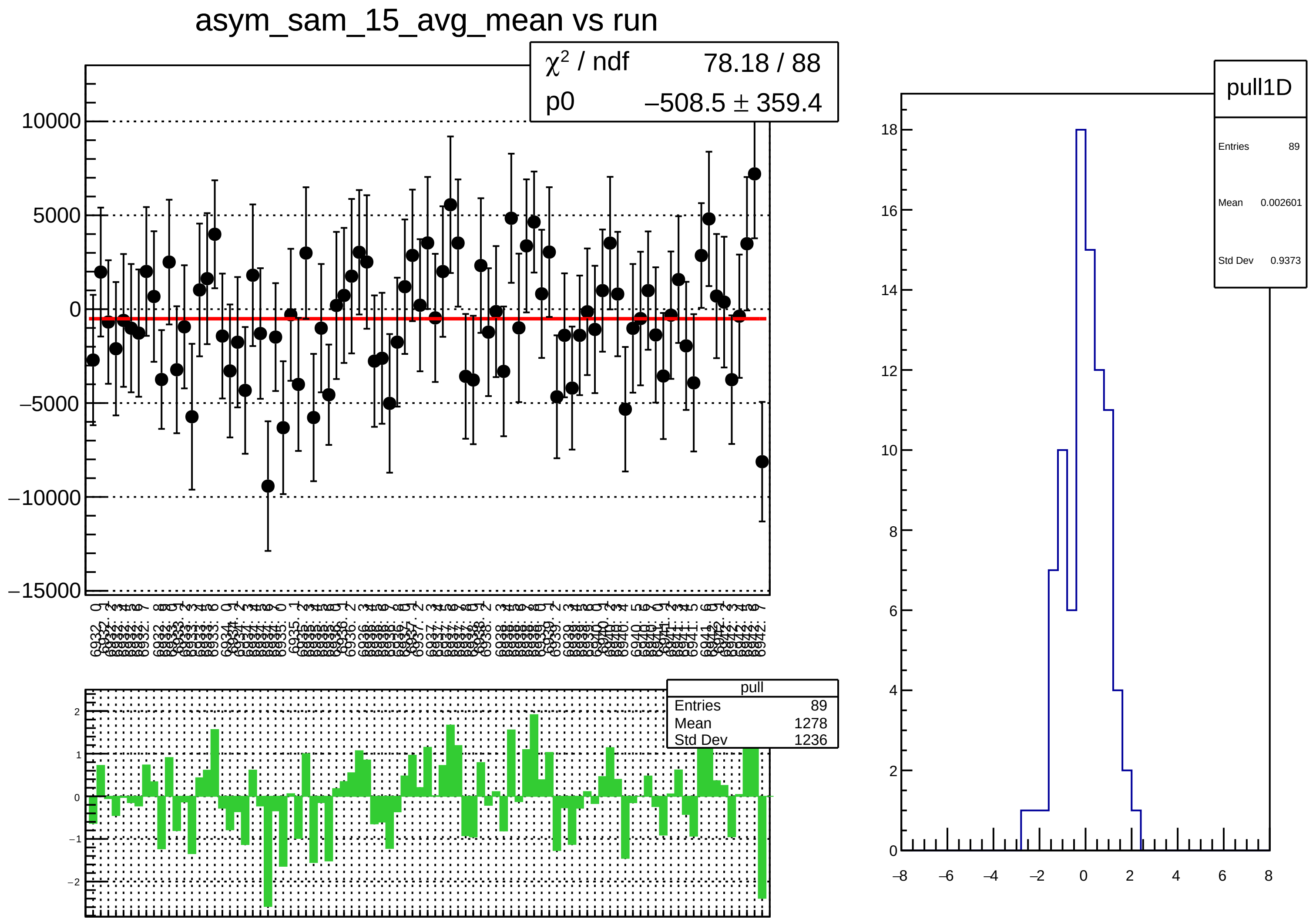

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 89.43 / 88
p0 −108.5 ± 73.47
pull
Entries 89
Mean 185.6
Std Dev 124.1
pull1D
Entries 89
Mean −0.004462
Std Dev 1.002


dit_asym_sam_15_avg_rms vs run
χ2 / ndf 976.2 / 88
p0 67.52 ± 0.05195
80
78
76
74
72
70
68
66
64

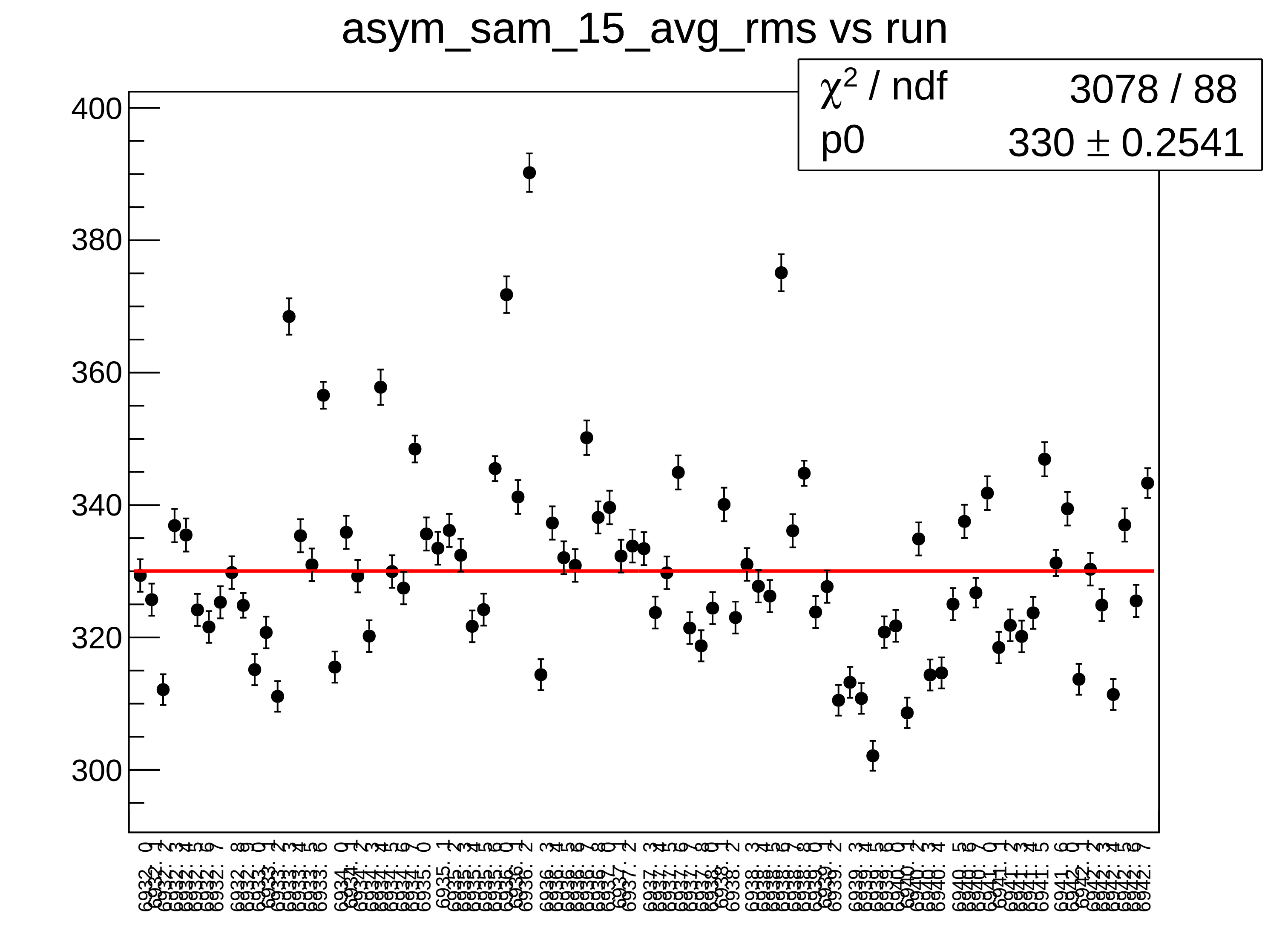


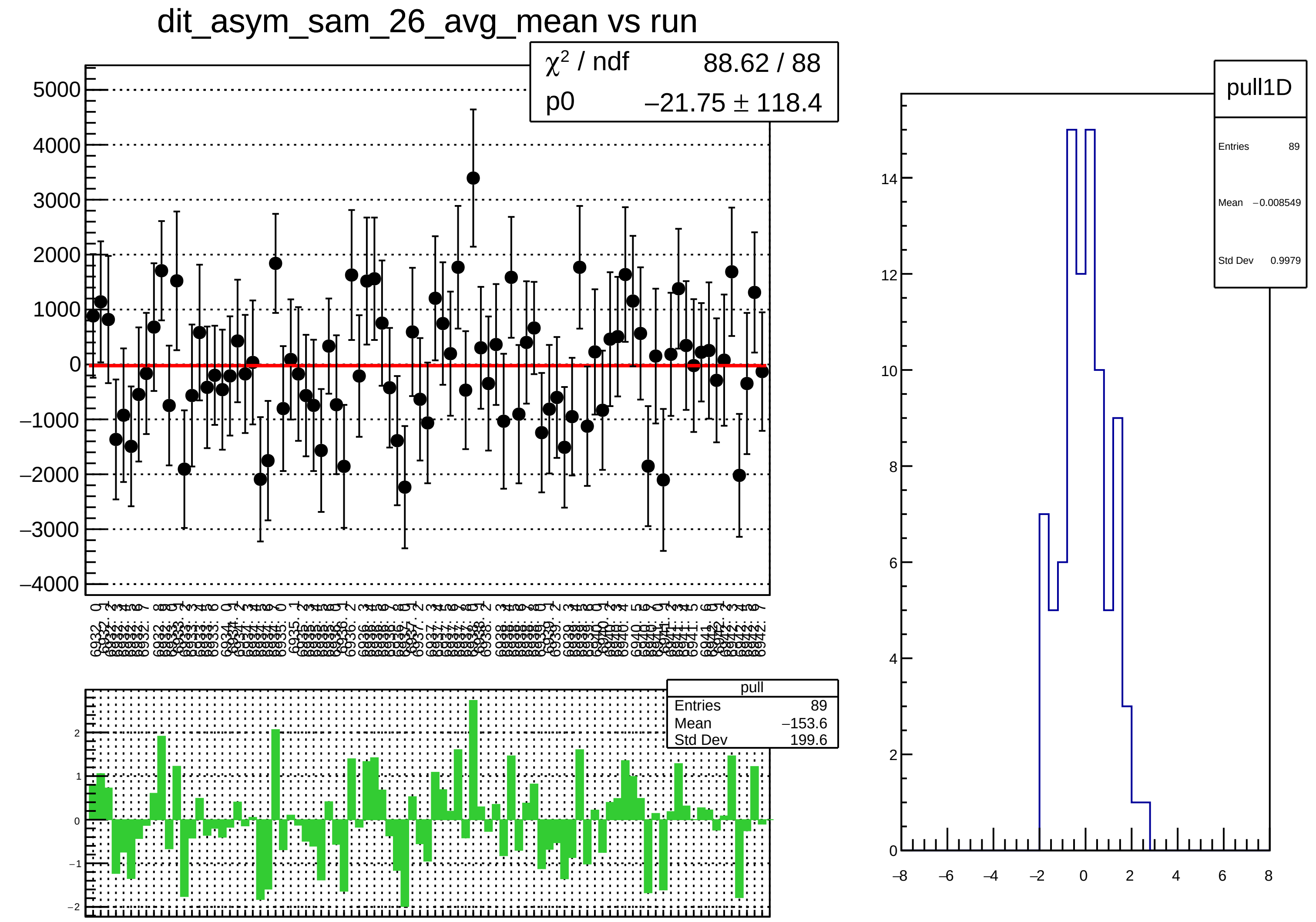
asym_sam_15_avg_correction_mean vs run
χ2 / ndf 78.85 / 88
p0 382.2 ± 365.4
pull
Entries 89
Mean 3504
Std Dev 3461
pull1D
Entries 89
Mean −0.0009504
Std Dev 0.9412


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 2890 / 88
p0 335.6 ± 0.2584
400
380
360
340
320
300

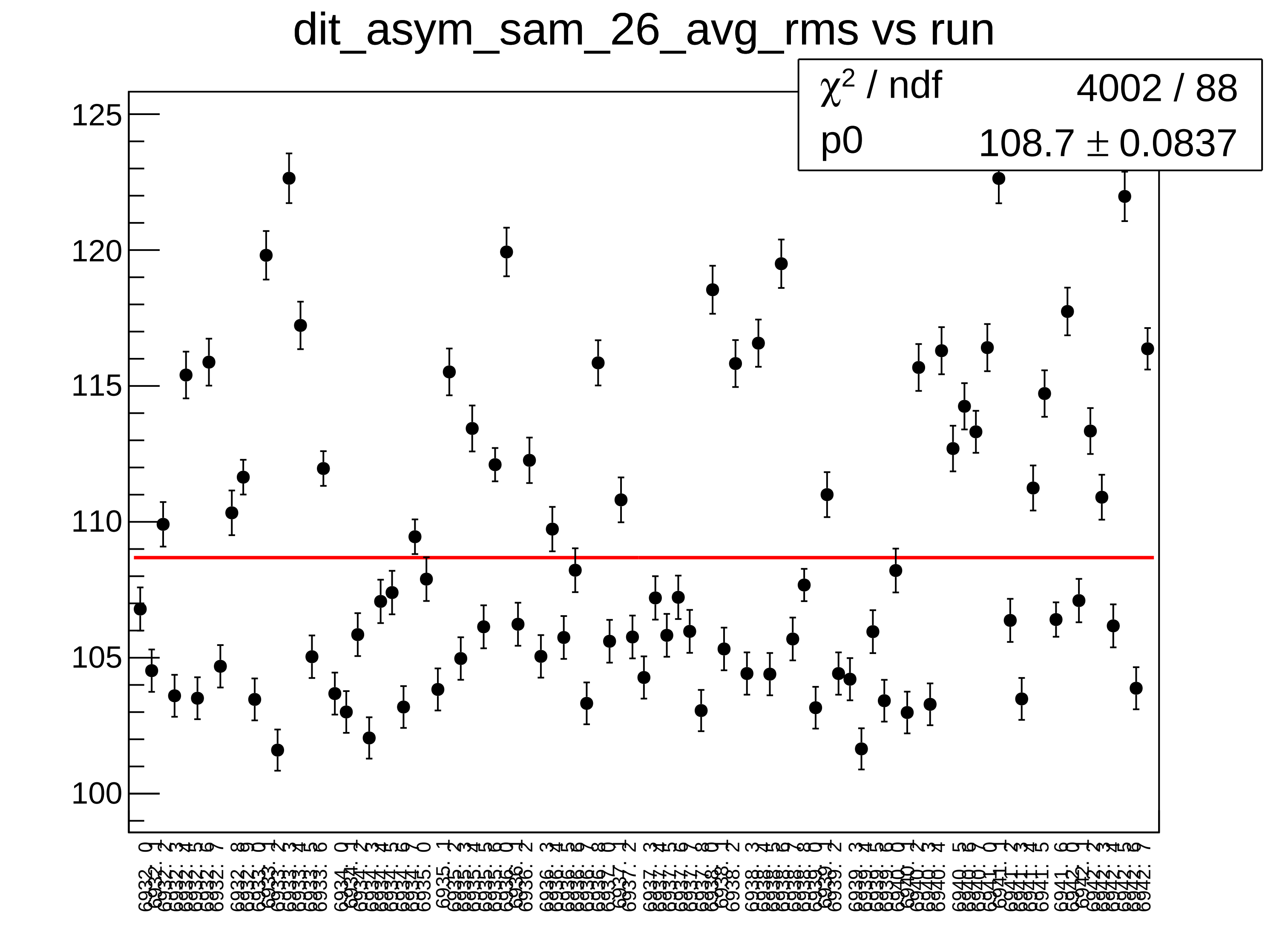


asym_sam_15_avg_mean vs run
χ^2 / ndf 78.18 / 88
p0 −508.5 ± 359.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 1278
Std Dev 1236
pull1D
Entries 89
Mean 0.002601
Std Dev 0.9373

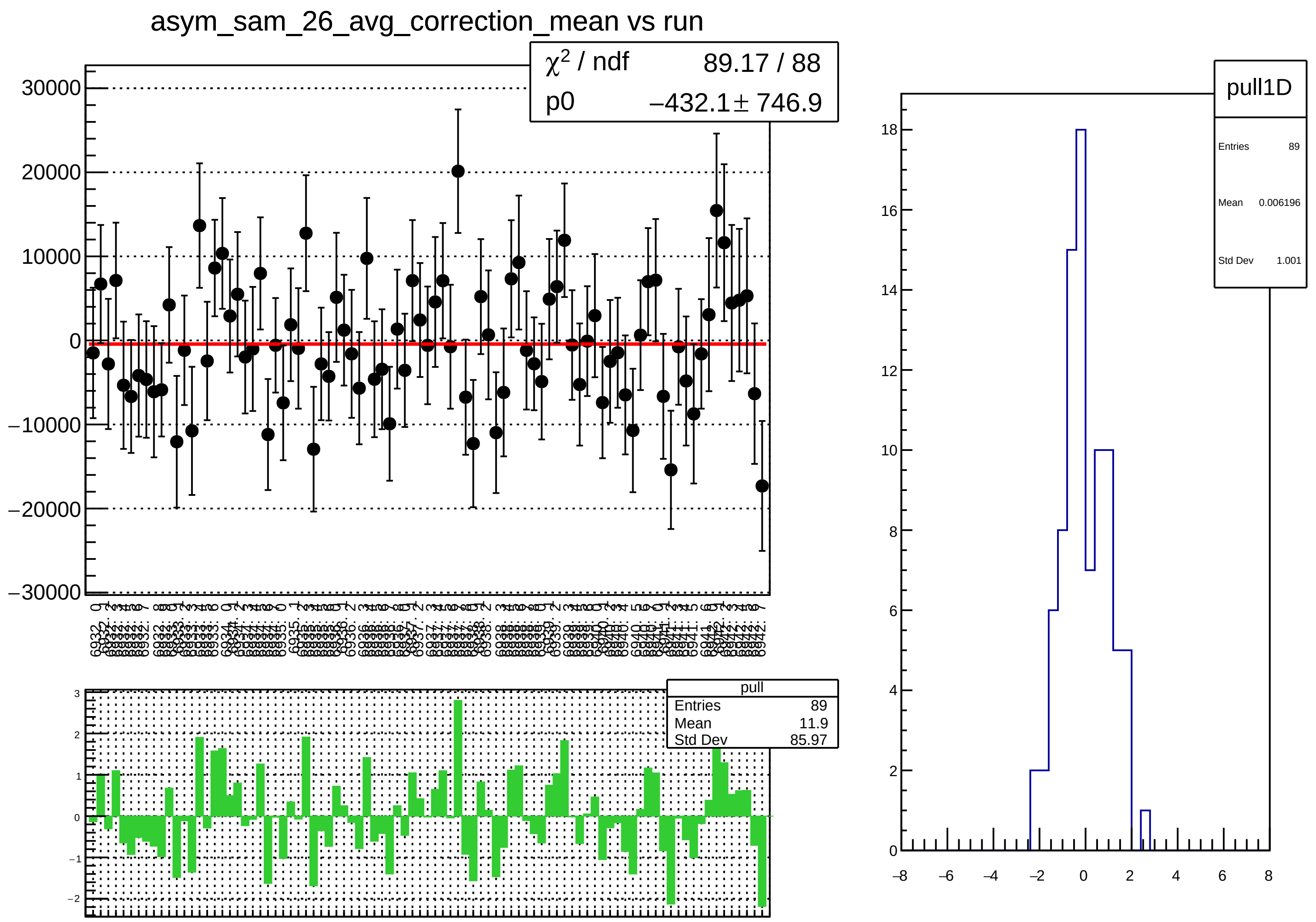

asym_sam_15_avg_rms vs run
χ2 / ndf 3078 / 88
p0 330 ± 0.2541
400
380
360
340
320
300



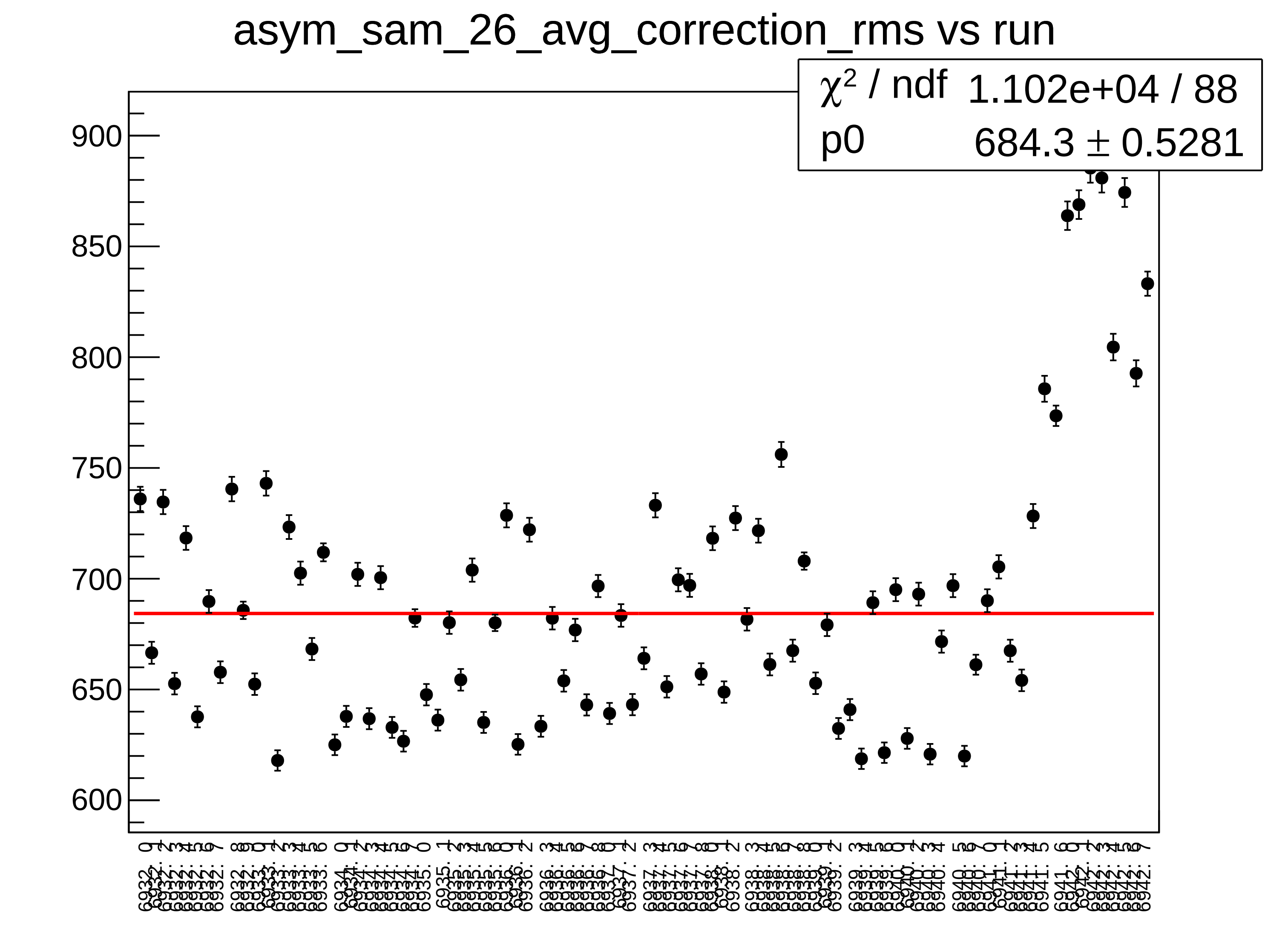
dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 88.62 / 88
p0 −21.75 ± 118.4
pull
Entries 89
Mean −153.6
Std Dev 199.6
pull1D
Entries 89
Mean −0.008549
Std Dev 0.9979



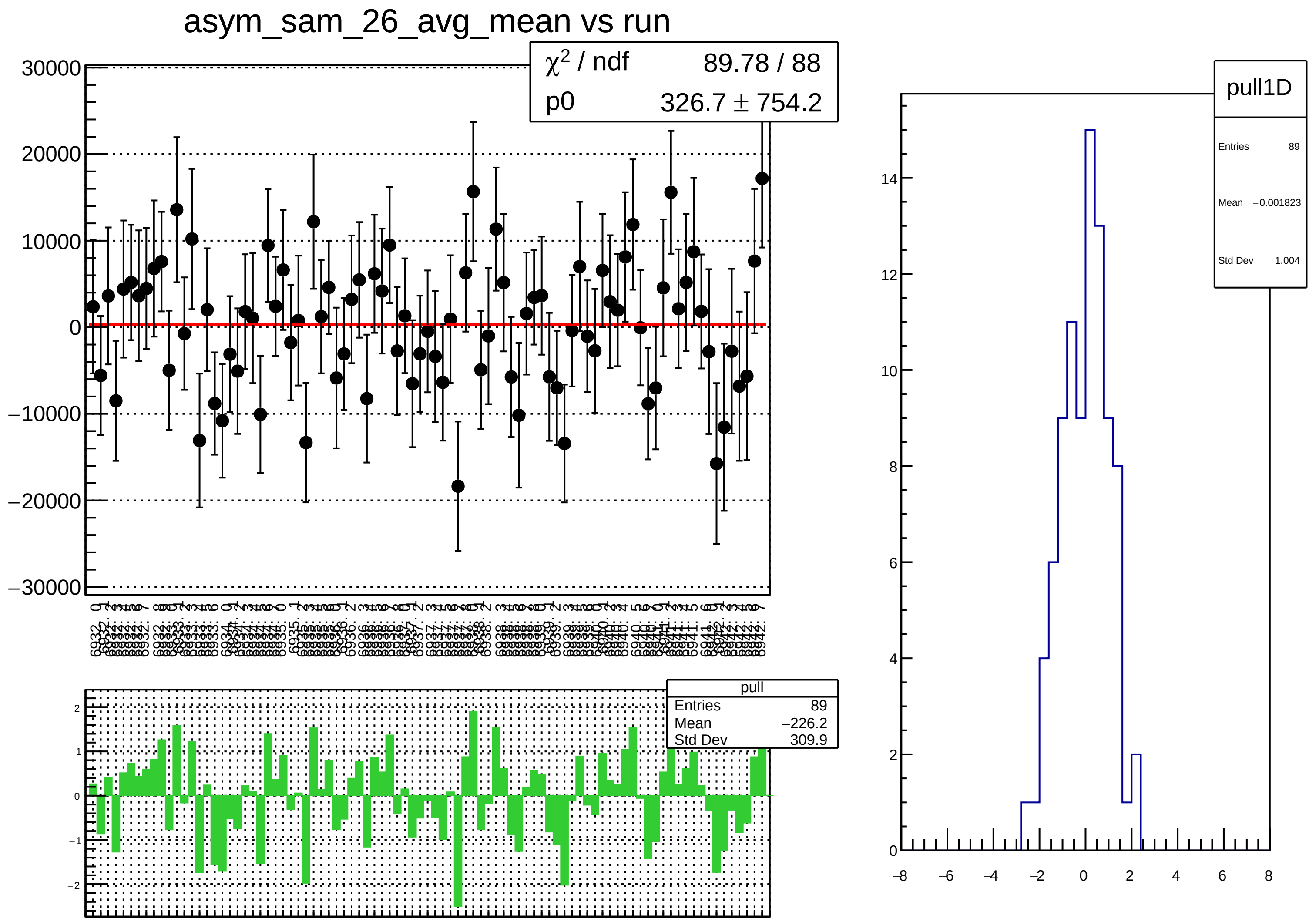
dit_asym_sam_26_avg_rms vs run
χ2 / ndf 4002 / 88
p0 108.7 ± 0.0837
125
120
115
110
105
100

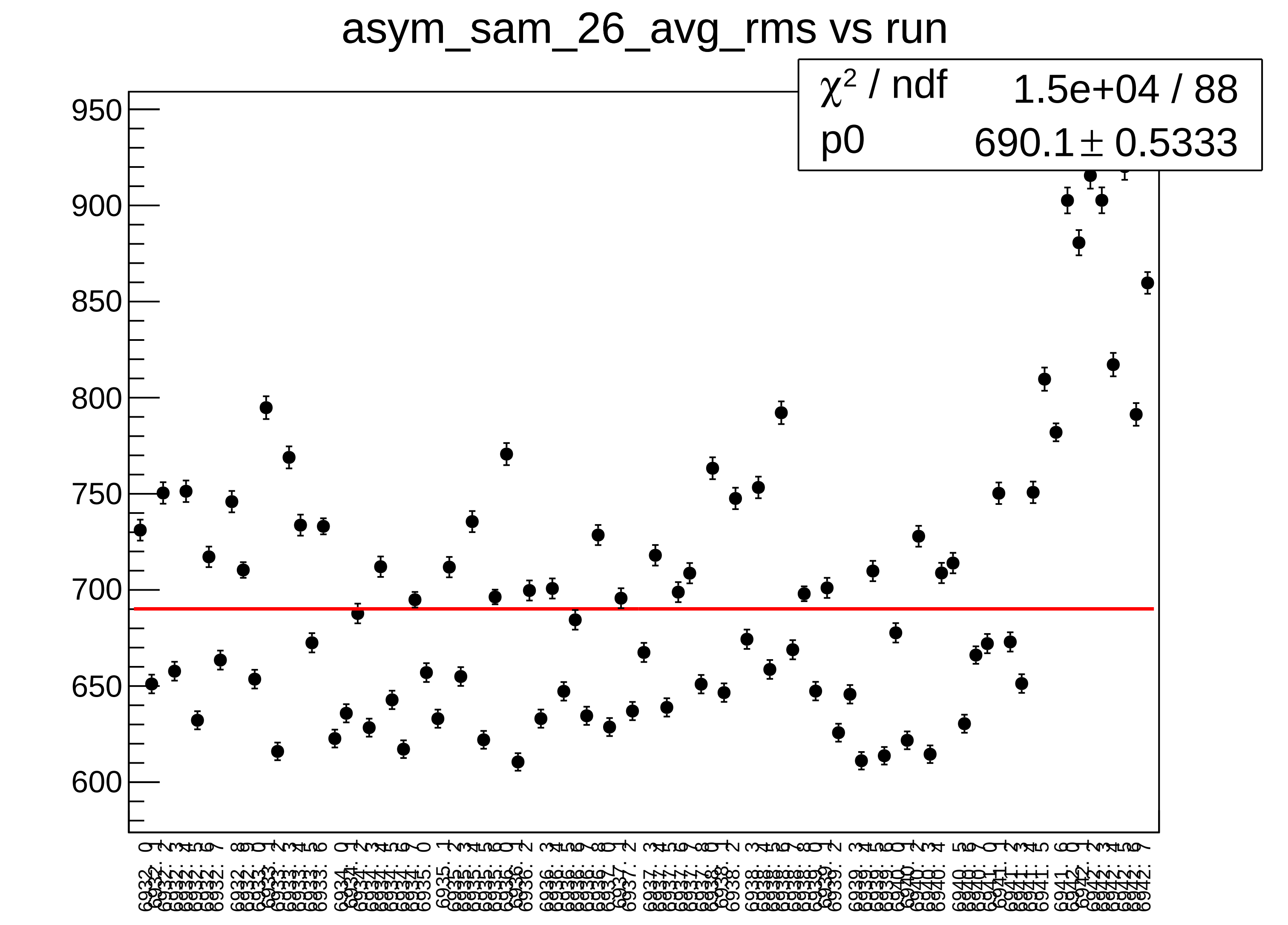


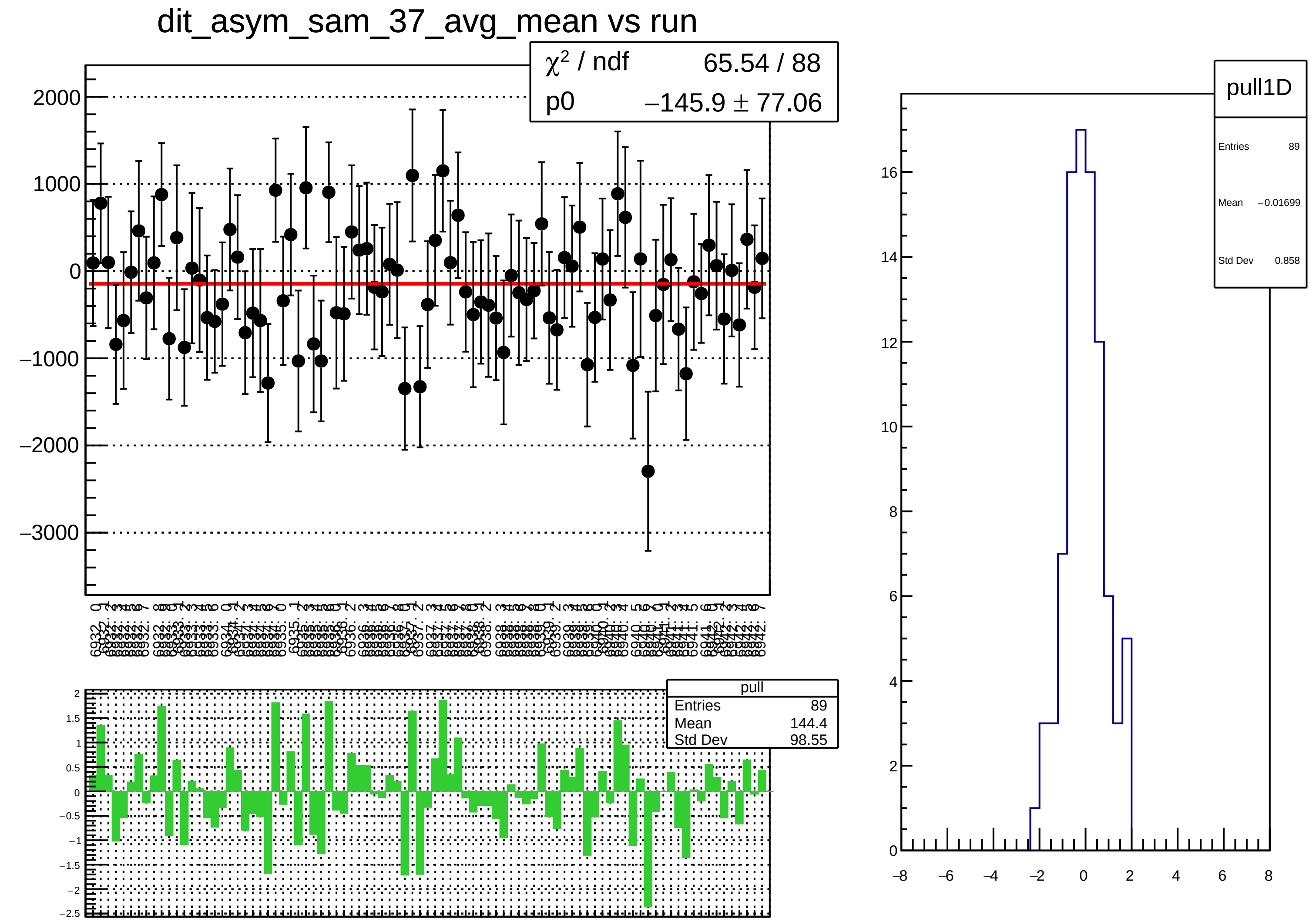
asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 89.17 / 88
p0 −432.1 ± 746.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 11.9
Std Dev 85.97
pull1D
Entries 89
Mean 0.006196
Std Dev 1.001

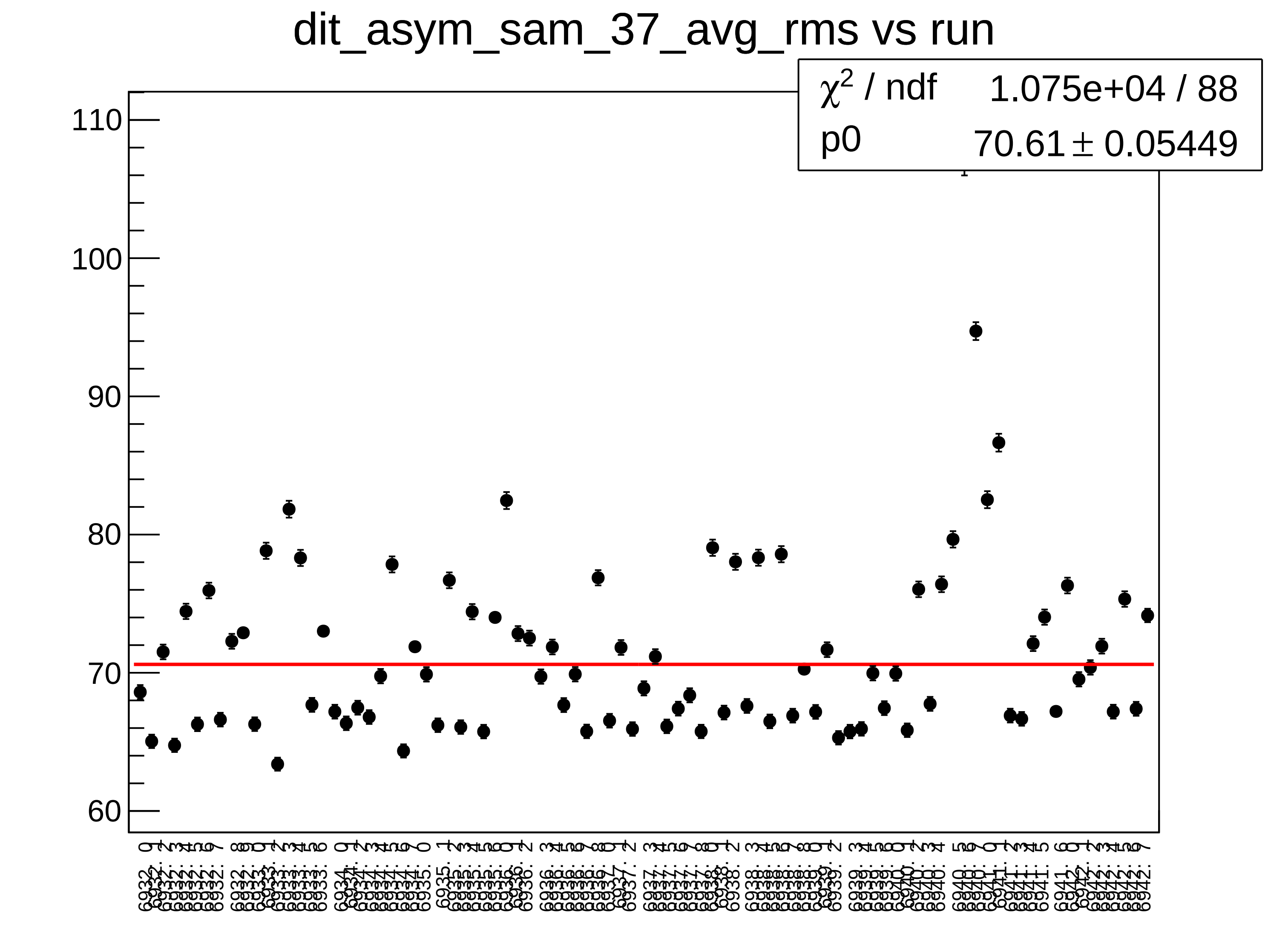


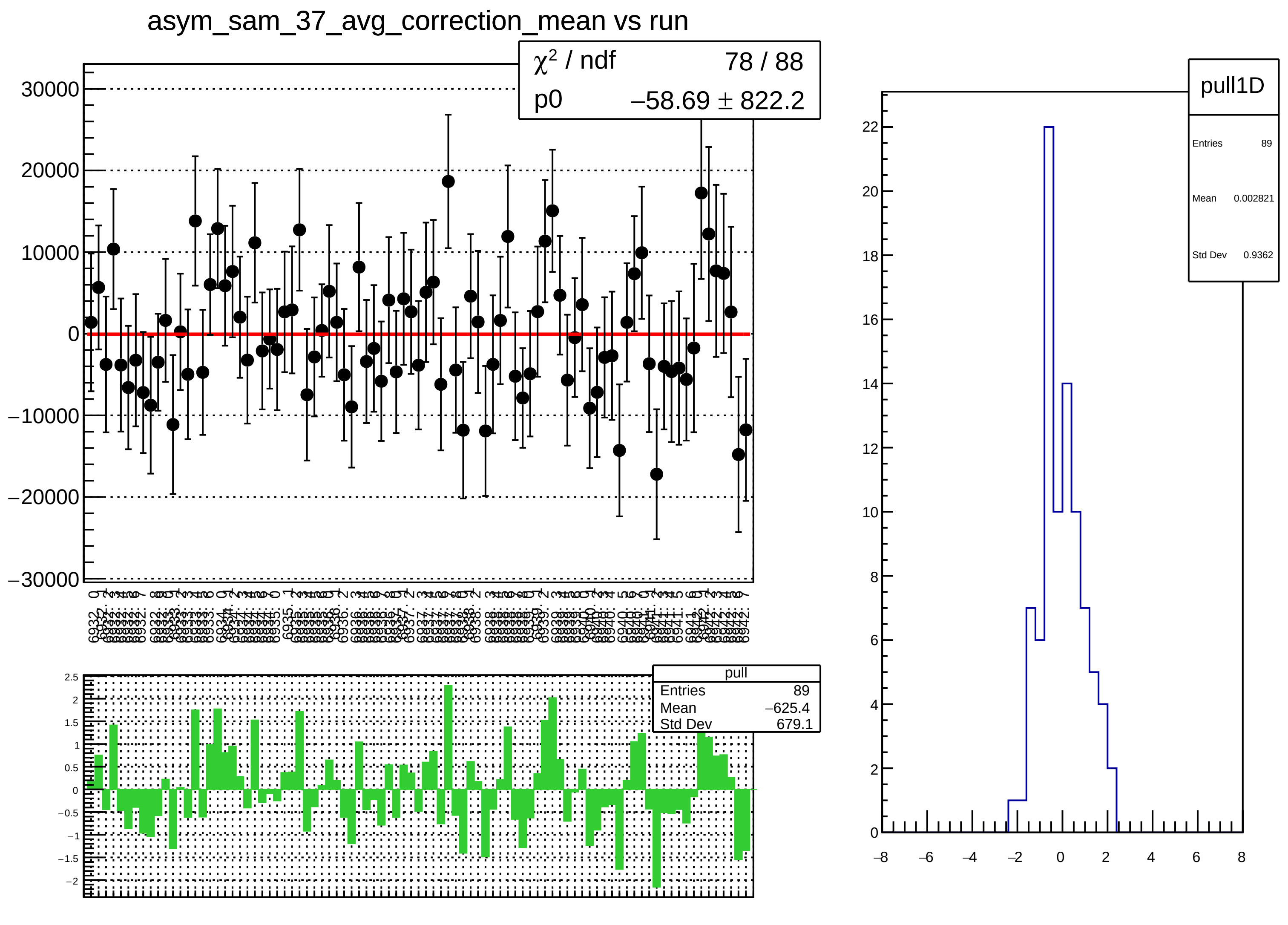
asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 1.102e+04 / 88
p0 684.3 ± 0.5281
900
850
800
750
700
650
600

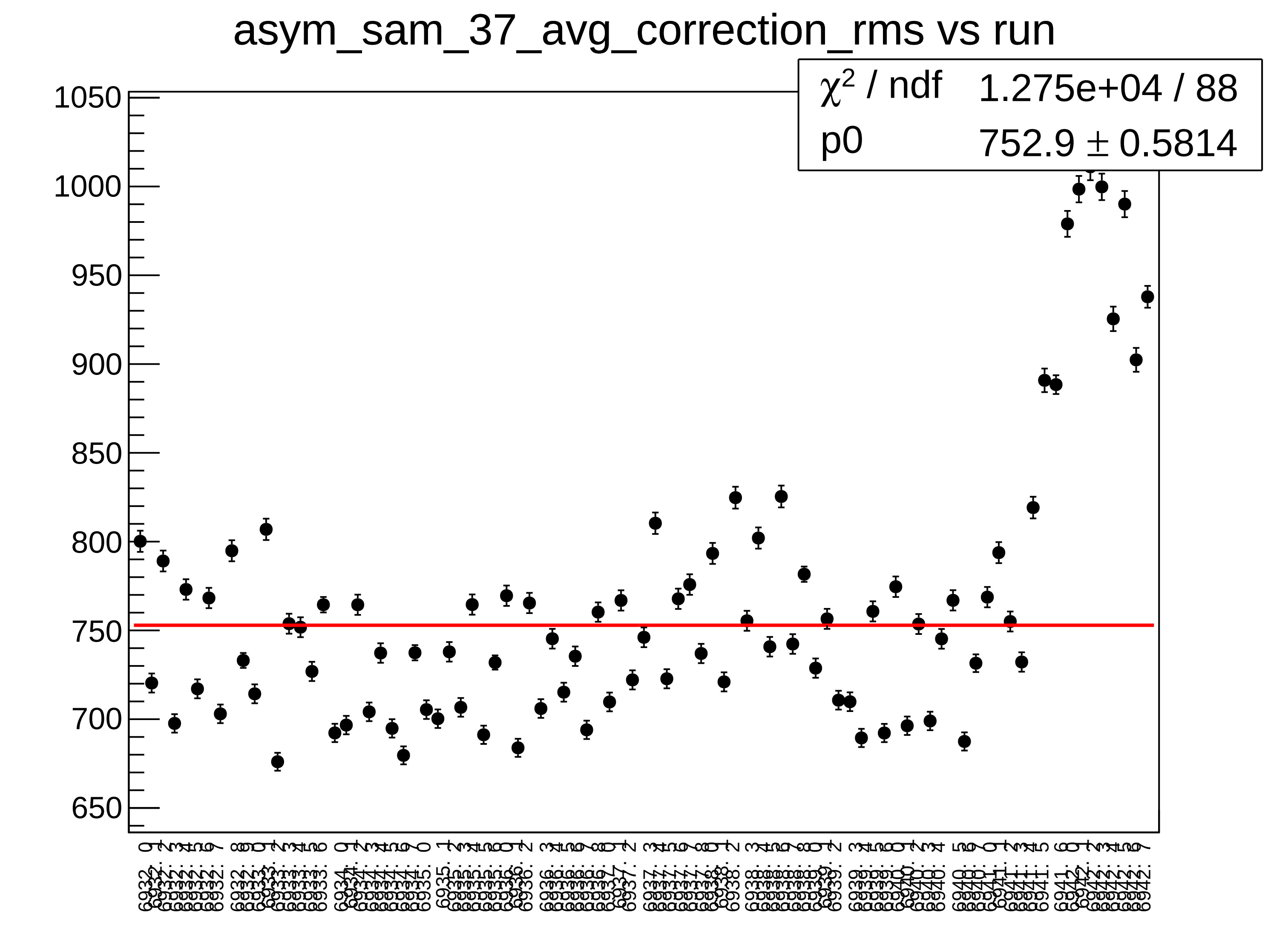

asym_sam_26_avg_mean vs run
χ^2 / ndf 89.78 / 88
p0 326.7 ± 754.2
pull
Entries 89
Mean −226.2
Std Dev 309.9
pull1D
Entries 89
Mean −0.001823
Std Dev 1.004

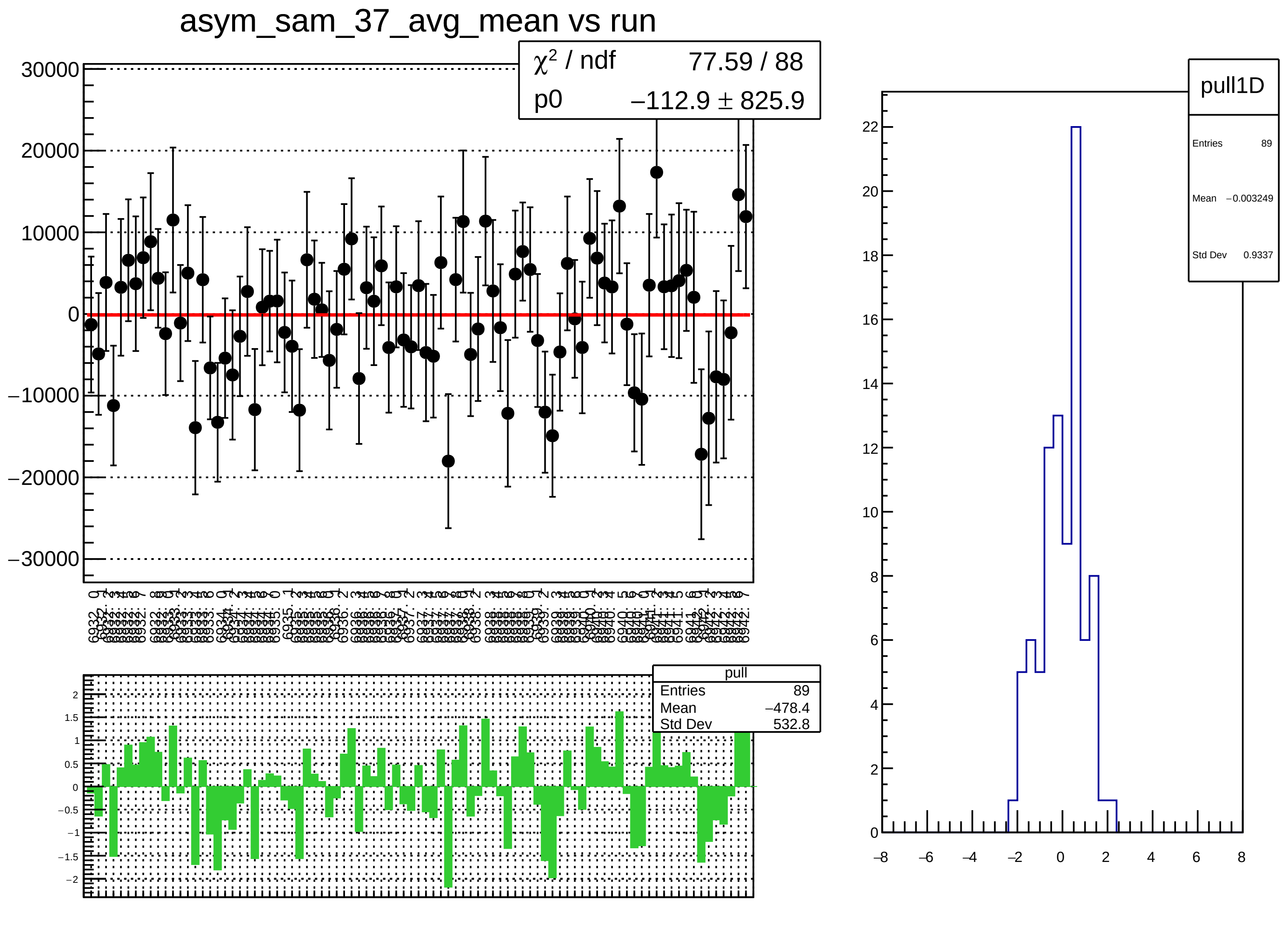

asym_sam_26_avg_rms vs run
χ2 / ndf 1.5e+04 / 88
p0 690.1 ± 0.5333
950
900
850
800
750
700
650
600


dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 65.54 / 88
p0 −145.9 ± 77.06
pull
Entries 89
Mean 144.4
Std Dev 98.55
pull1D
Entries 89
Mean −0.01699
Std Dev 0.858

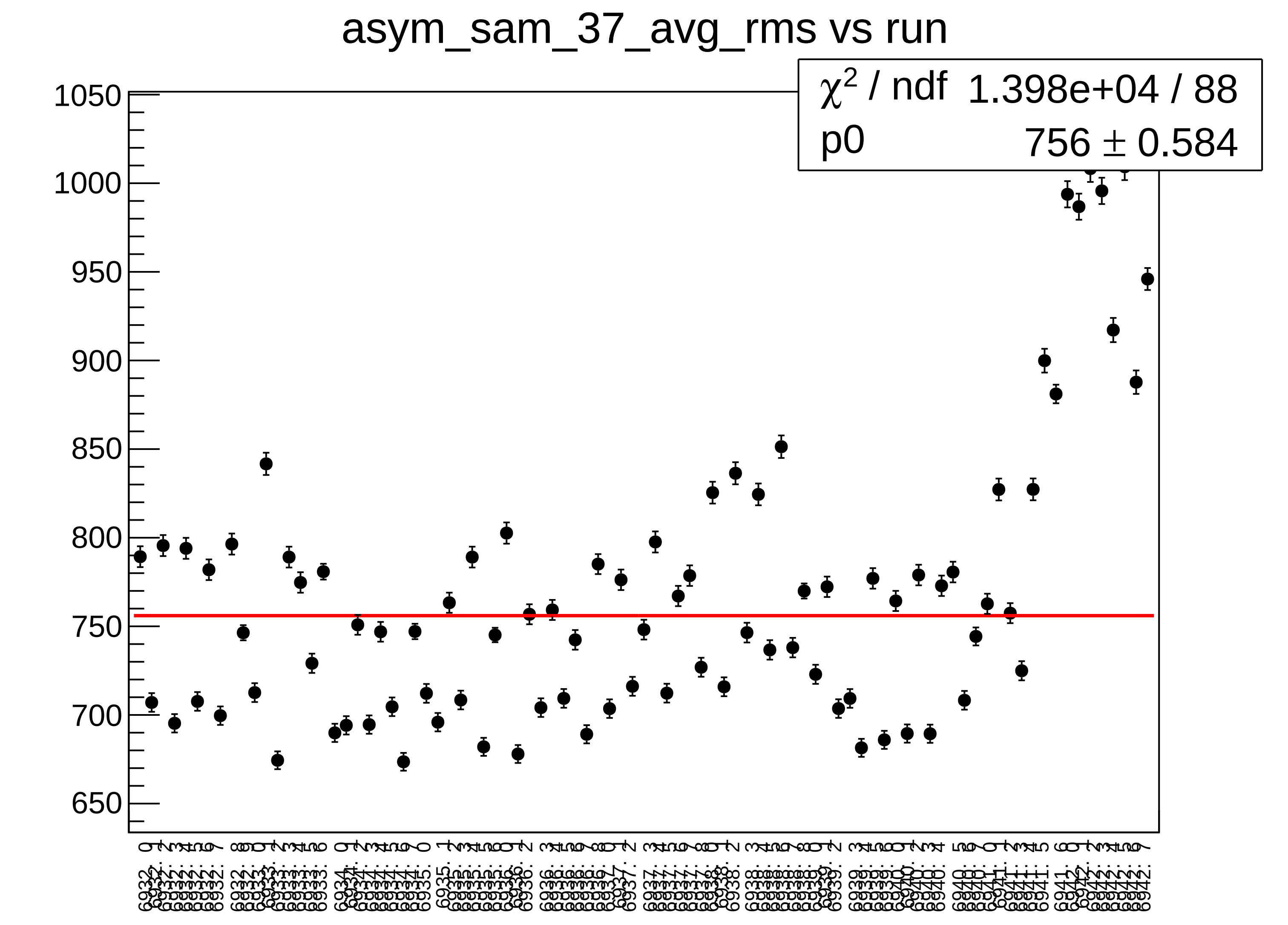

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.075e+04 / 88
p0 70.61 ± 0.05449
110
100
90
80
70
60

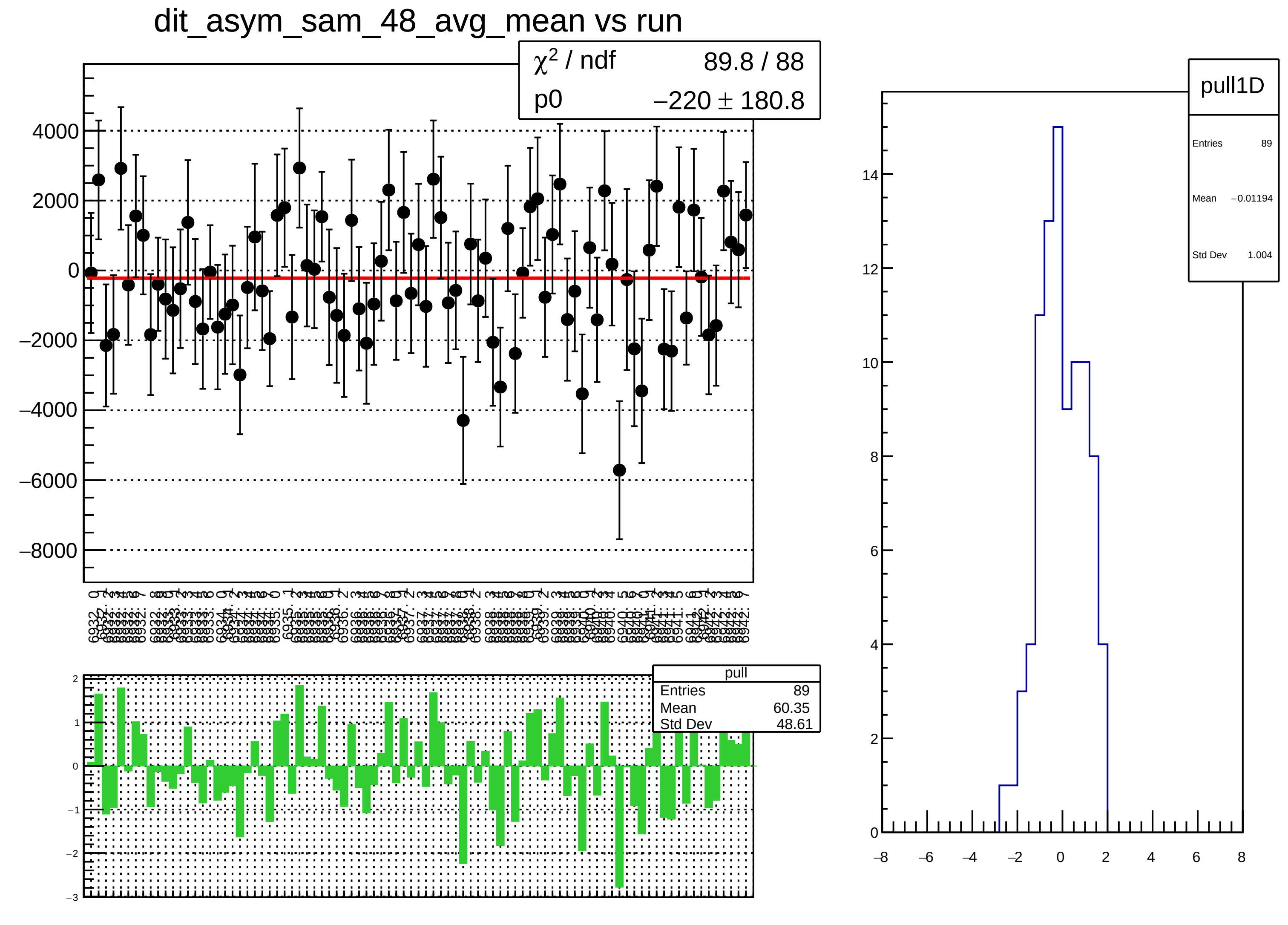

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 78 / 88
p0 −58.69 ± 822.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −625.4
Std Dev 679.1
pull1D
Entries 89
Mean 0.002821
Std Dev 0.9362


asym_sam_37_avg_correction_rms vs run
χ2 / ndf 1.275e+04 / 88
p0 752.9 ± 0.5814
1050
1000
950
900
850
800
750
700
650



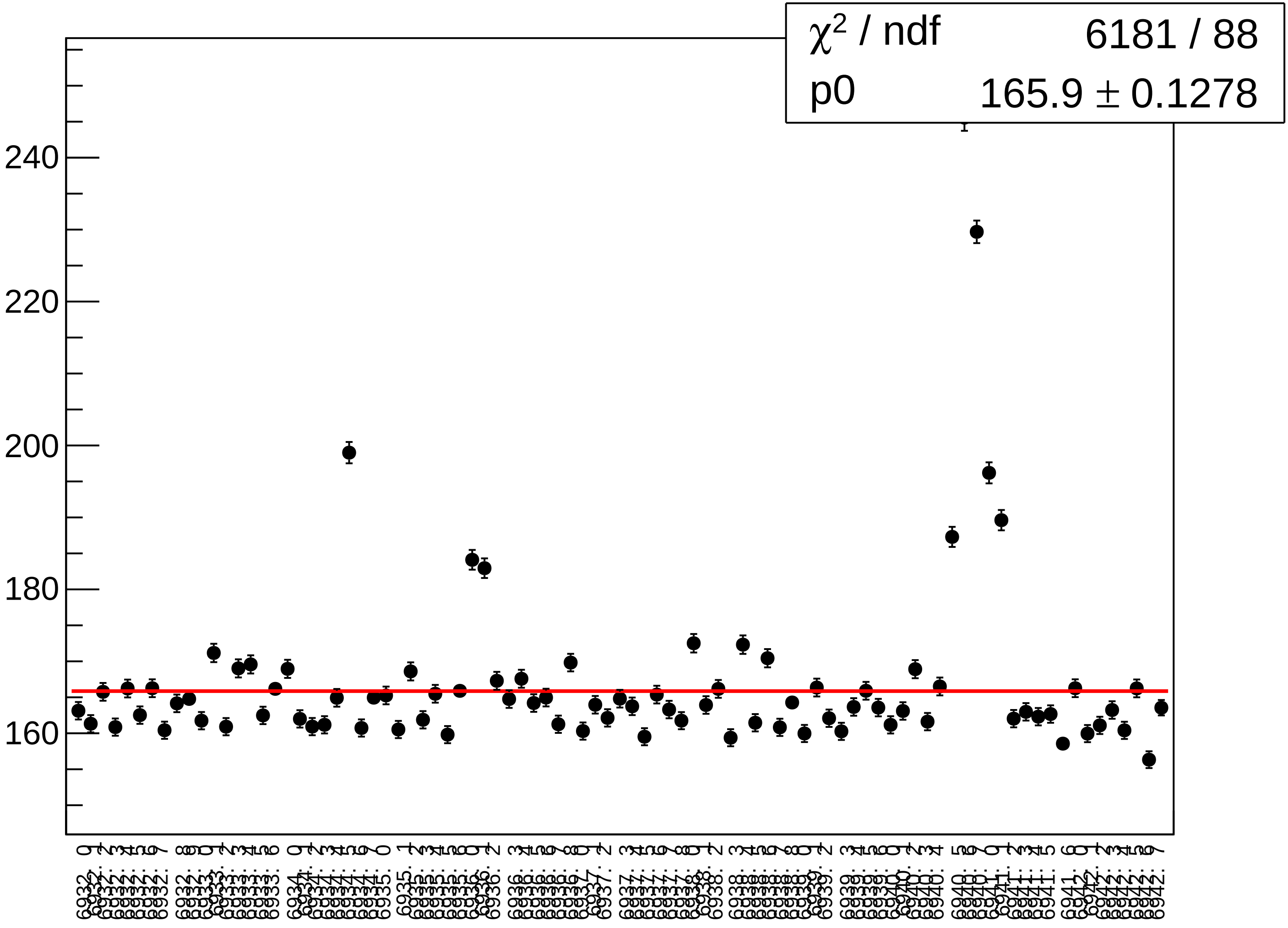
asym_sam_37_avg_mean vs run
χ^2 / ndf 77.59 / 88
p0 −112.9 ± 825.9
pull
Entries 89
Mean −478.4
Std Dev 532.8
pull1D
Entries 89
Mean −0.003249
Std Dev 0.9337

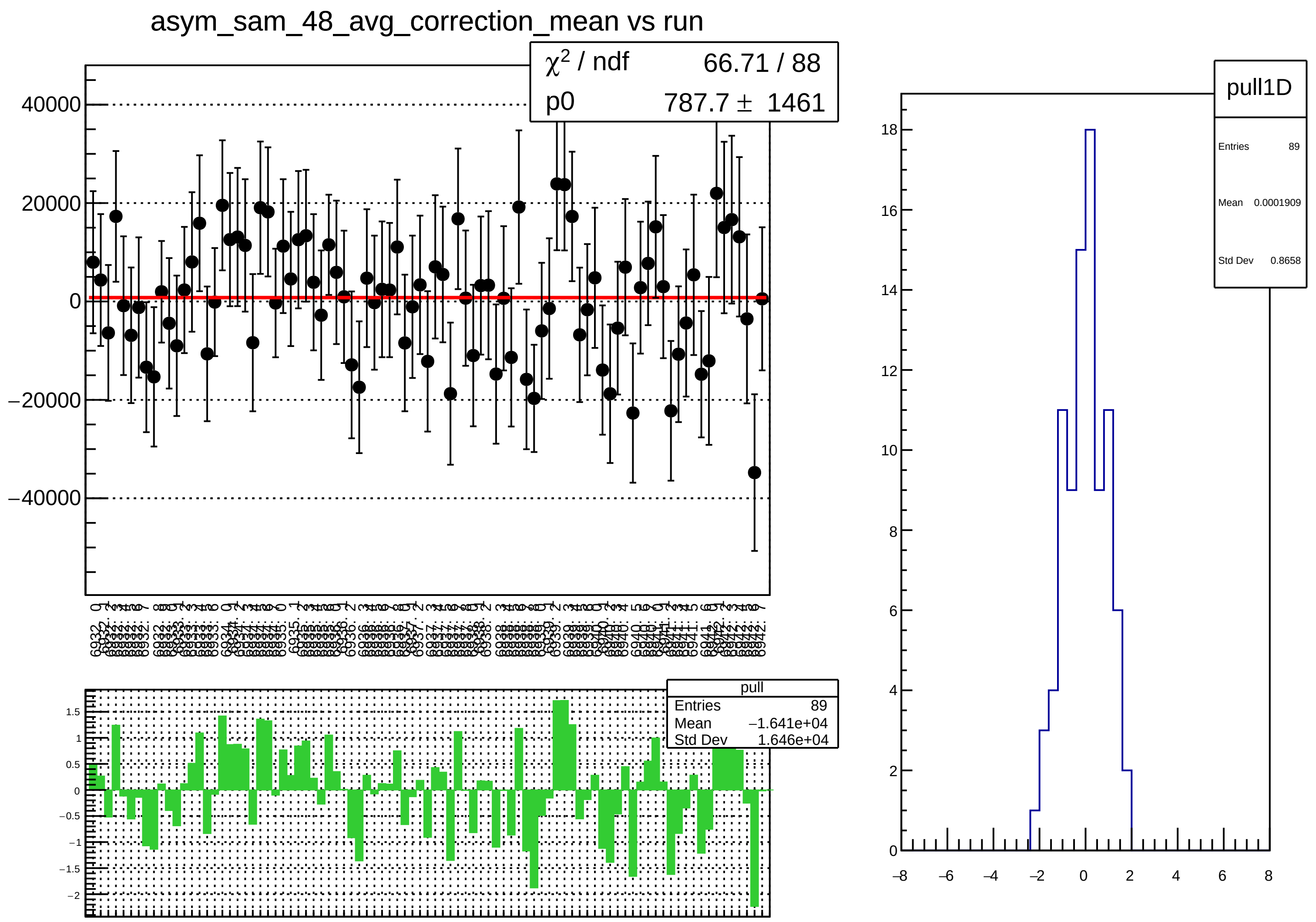

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.398e+04 / 88
p0 756 ± 0.584
1050
1000
950
900
850
800
750
700
650



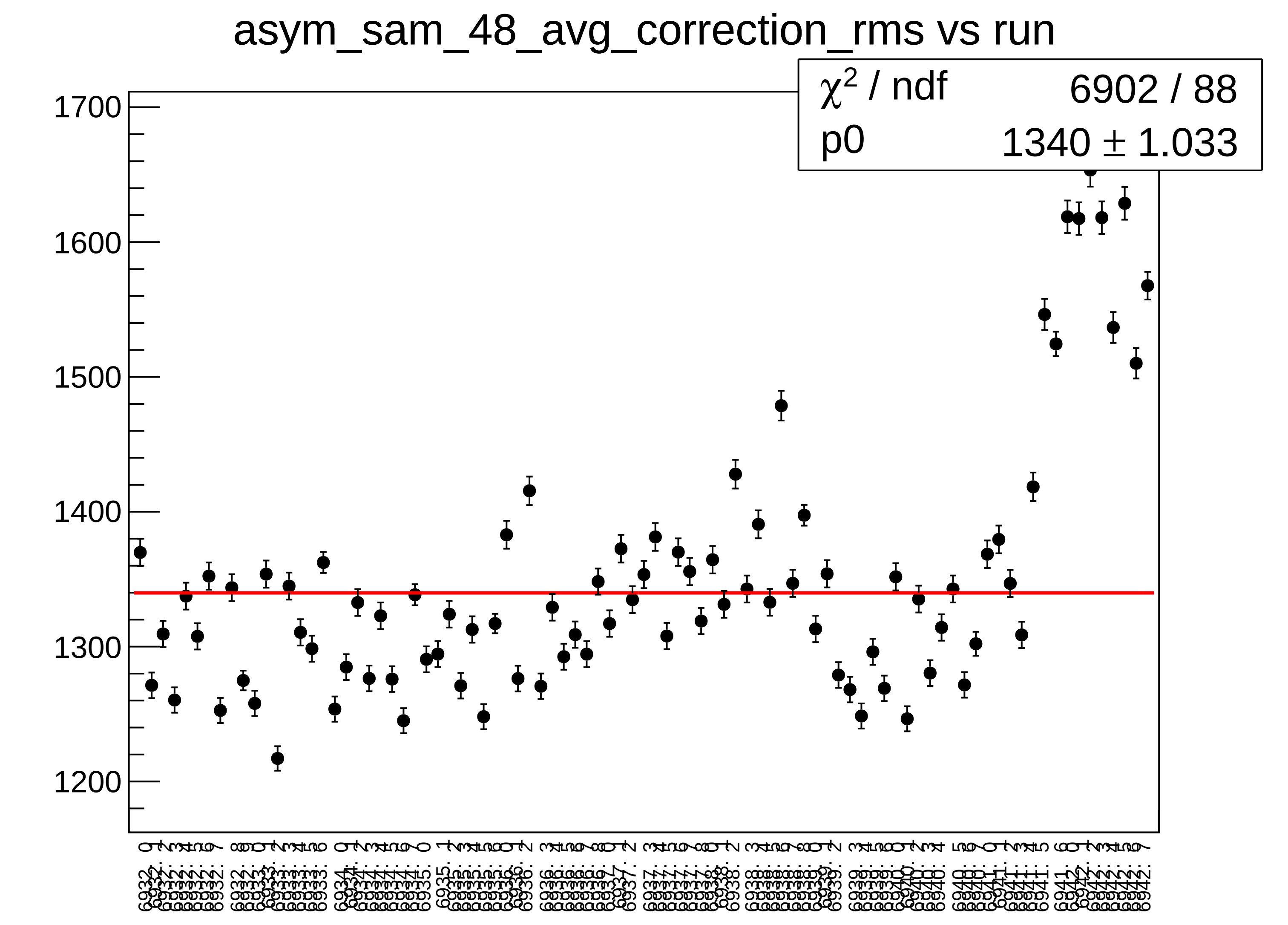
dit_asym_sam_48_avg_mean vs run
χ2 / ndf 89.8 / 88
p0 −220 ± 180.8
pull
Entries 89
Mean 60.35
Std Dev 48.61
pull1D
Entries 89
Mean −0.01194
Std Dev 1.004

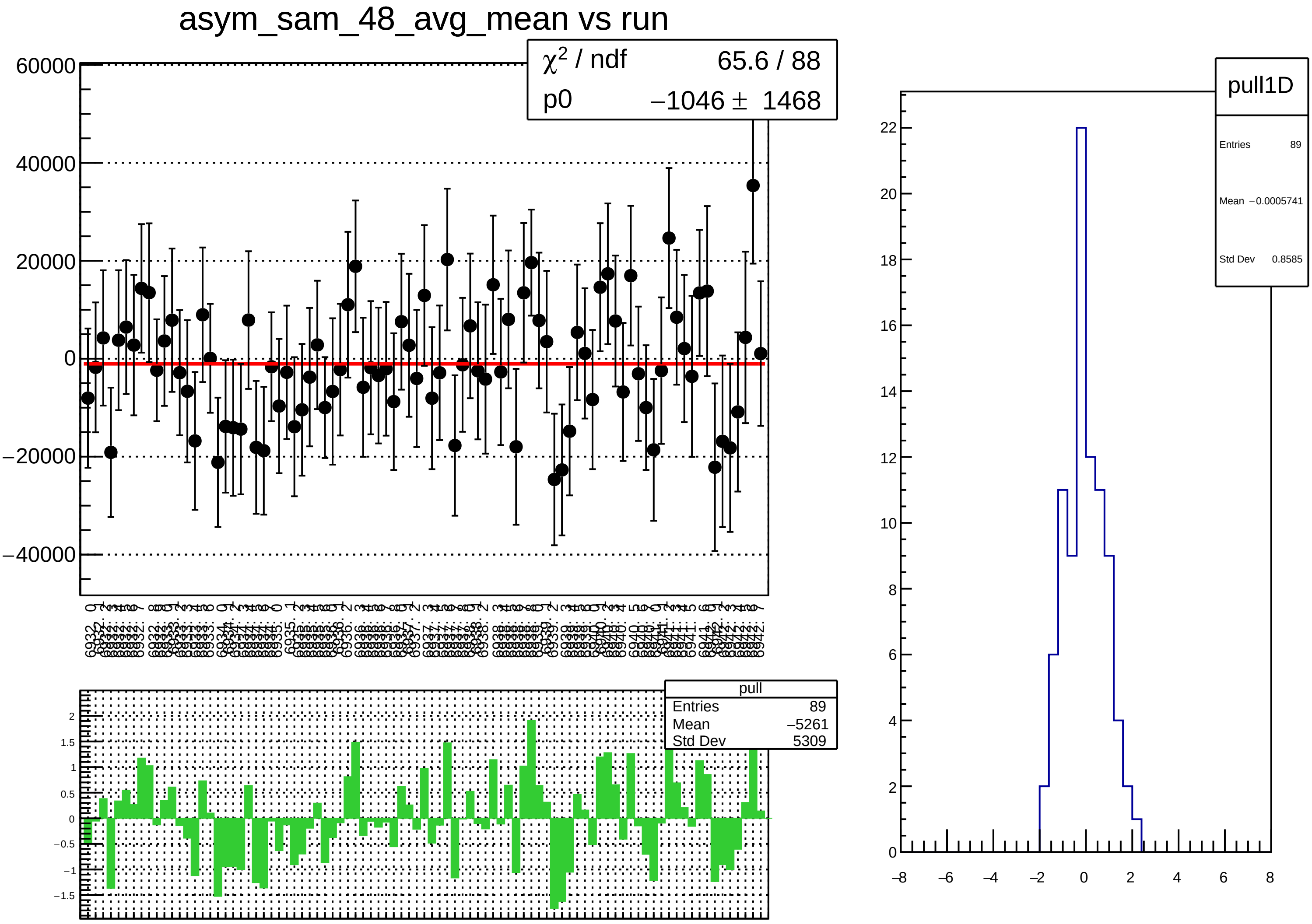
dit_asym_sam_48_avg_rms vs run

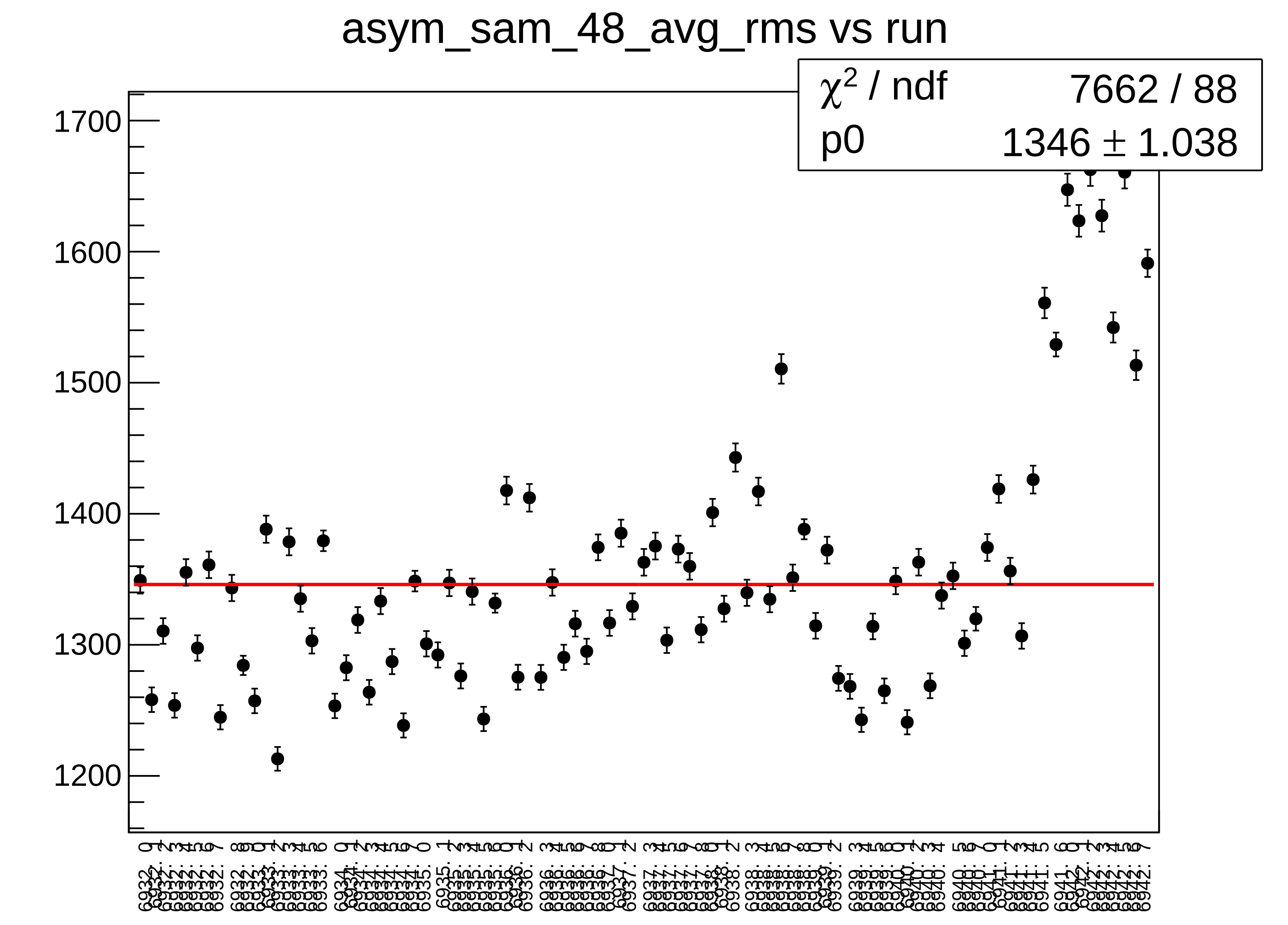




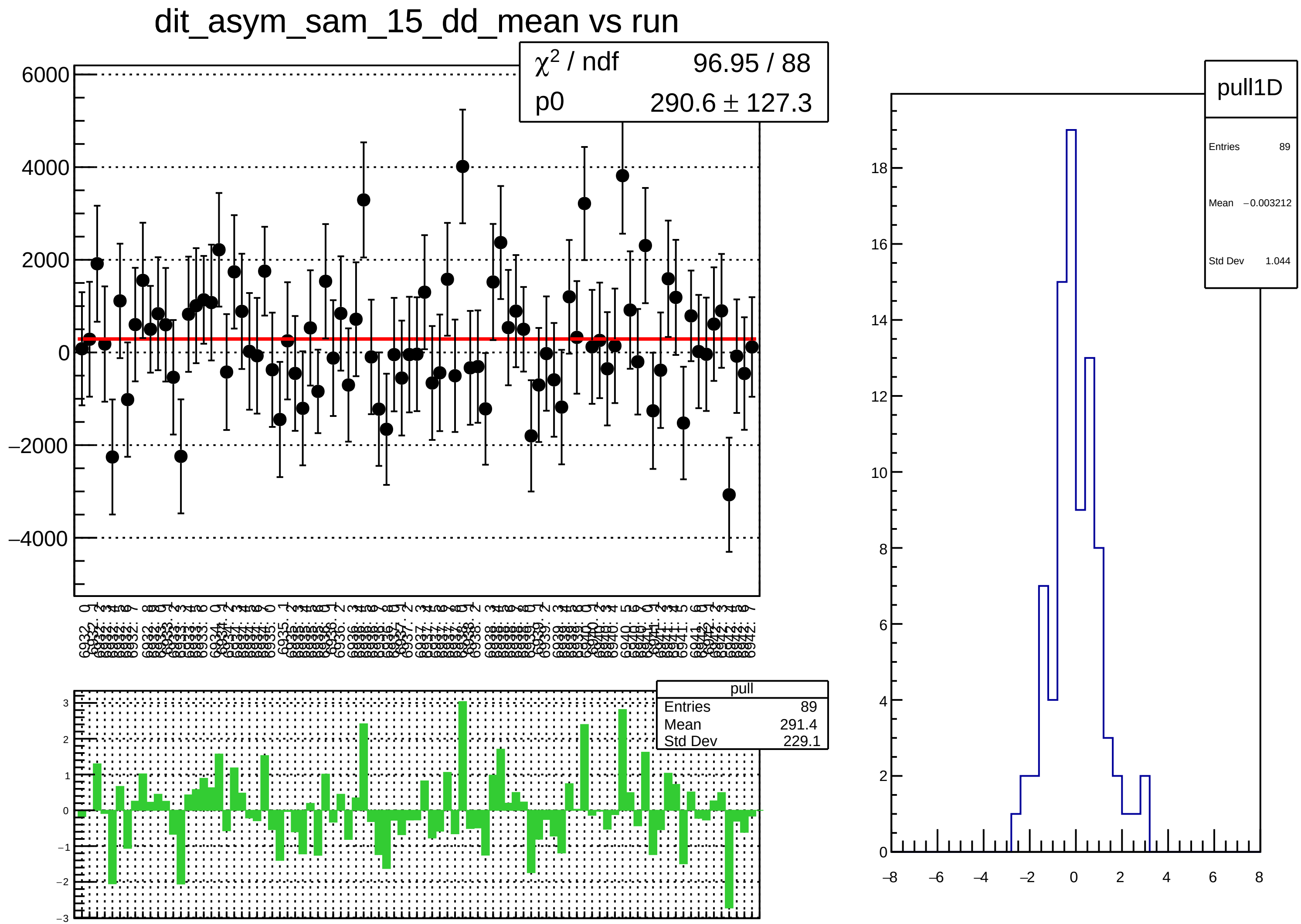
asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 66.71 / 88
p0 787.7 ± 1461
pull
Entries 89
Mean −1.641e+04
Std Dev 1.646e+04
pull1D
Entries 89
Mean 0.0001909
Std Dev 0.8658


asym_sam_48_avg_correction_rms vs run
χ2 / ndf 6902 / 88
p0 1340 ± 1.033
1700
1600
1500
1400
1300
1200

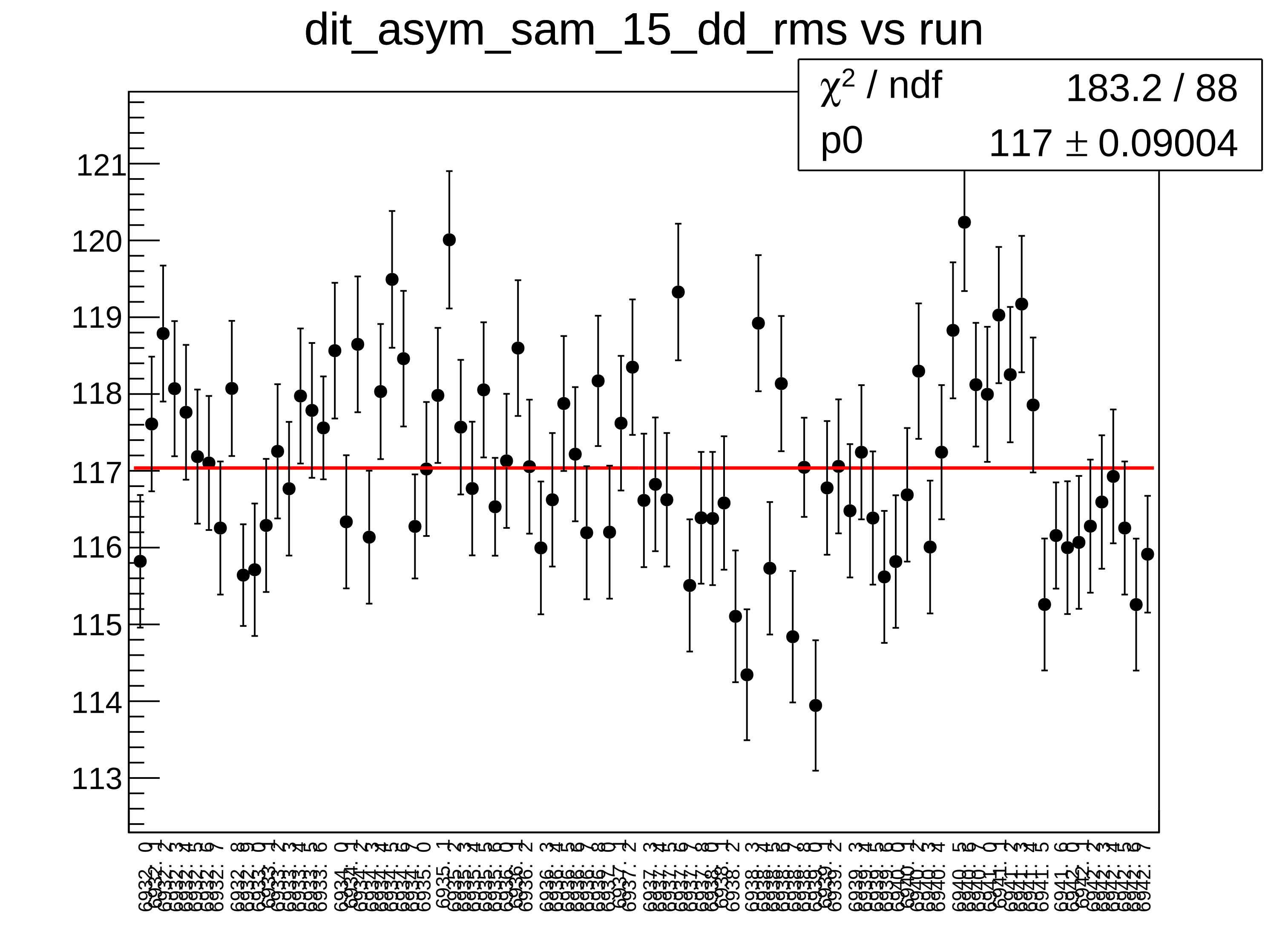

asym_sam_48_avg_mean vs run
χ2 / ndf 65.6 / 88
p0 −1046 ± 1468
60000
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −5261
Std Dev 5309
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 89
Mean −0.0005741
Std Dev 0.8585
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



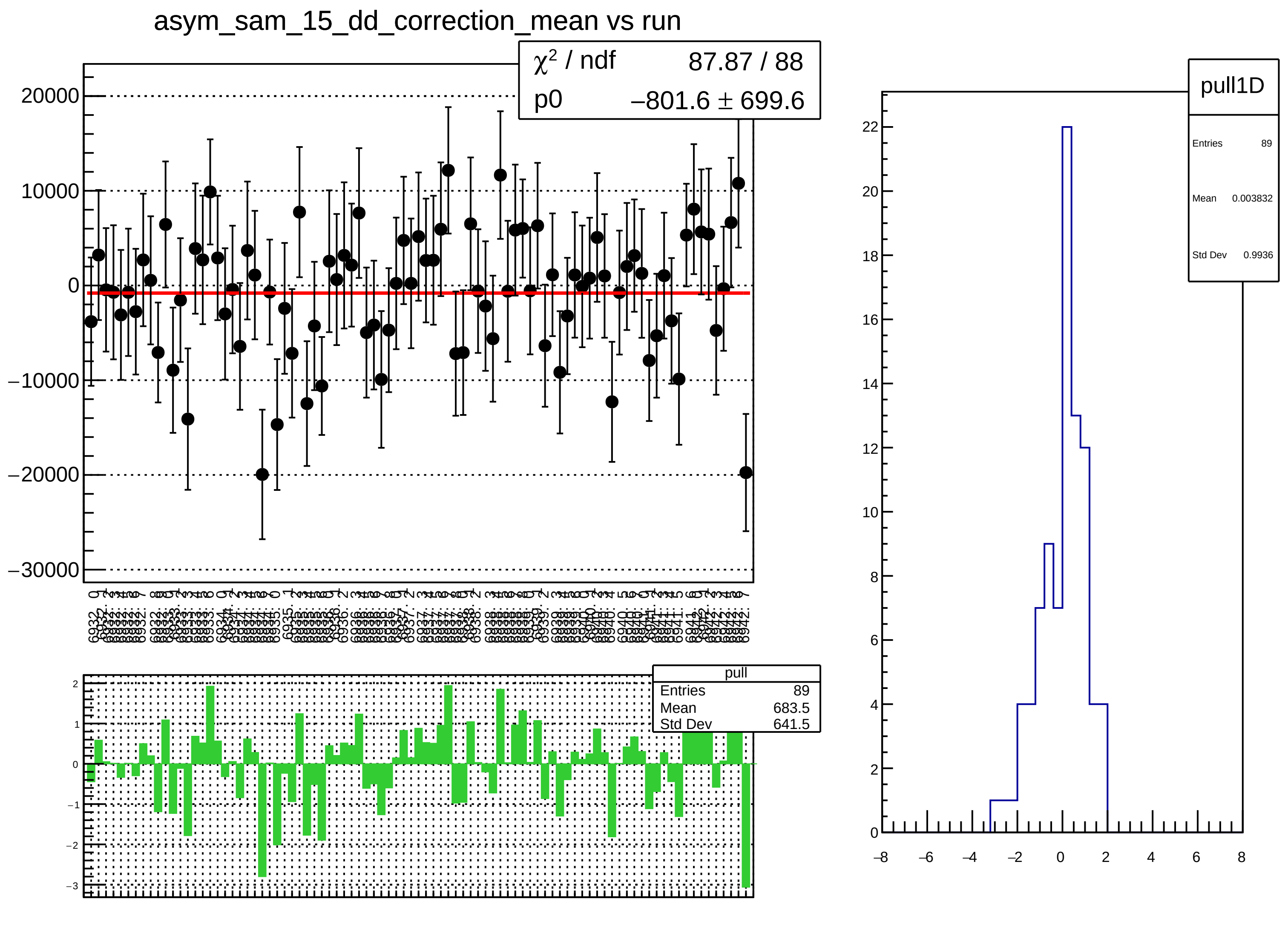
asym_sam_48_avg_rms vs run
χ2 / ndf 7662 / 88
p0 1346 ± 1.038
1700
1600
1500
1400
1300
1200



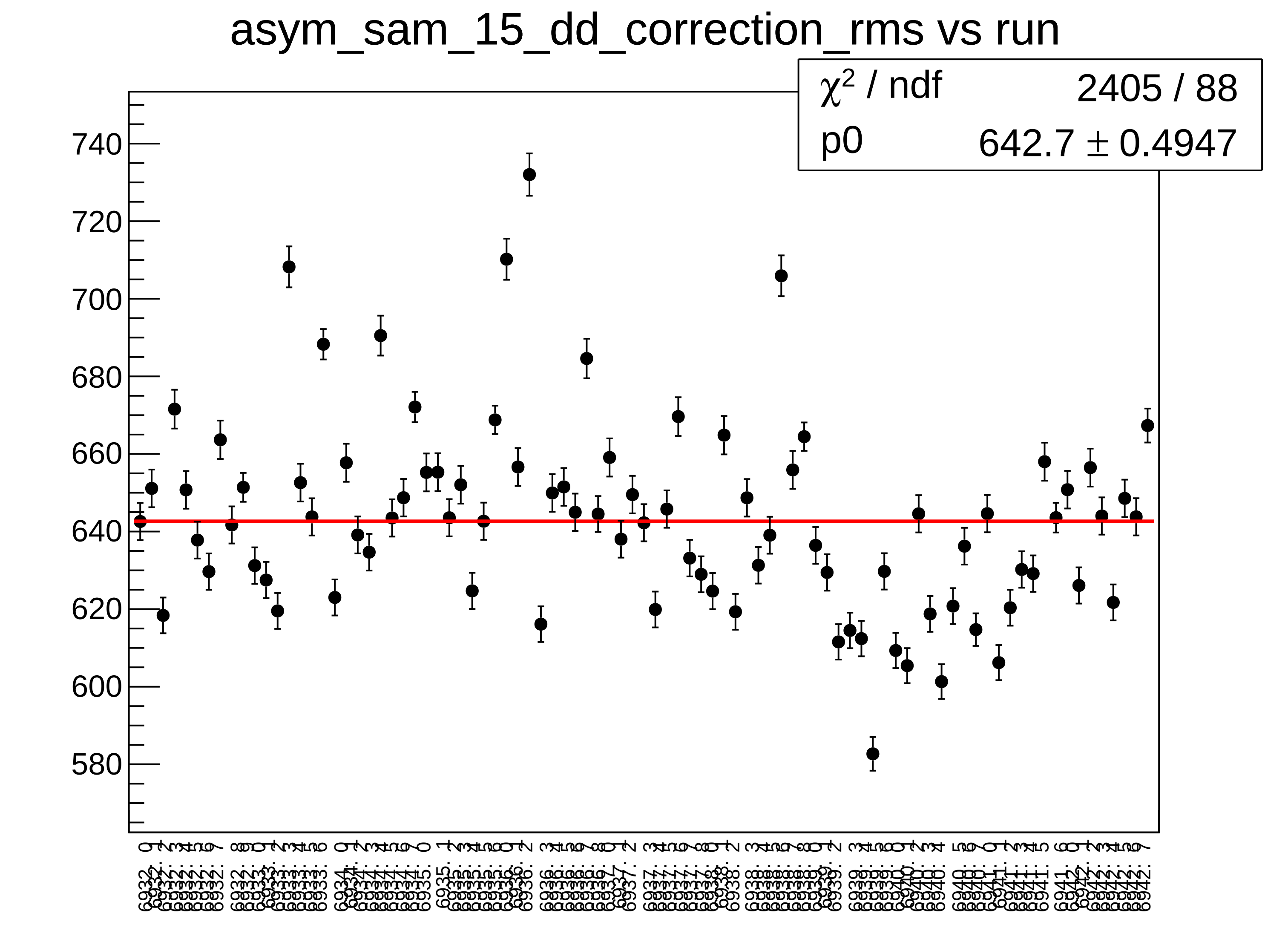
dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 96.95 / 88
p0 290.6 ± 127.3
pull
Entries 89
Mean 291.4
Std Dev 229.1
pull1D
Entries 89
Mean −0.003212
Std Dev 1.044

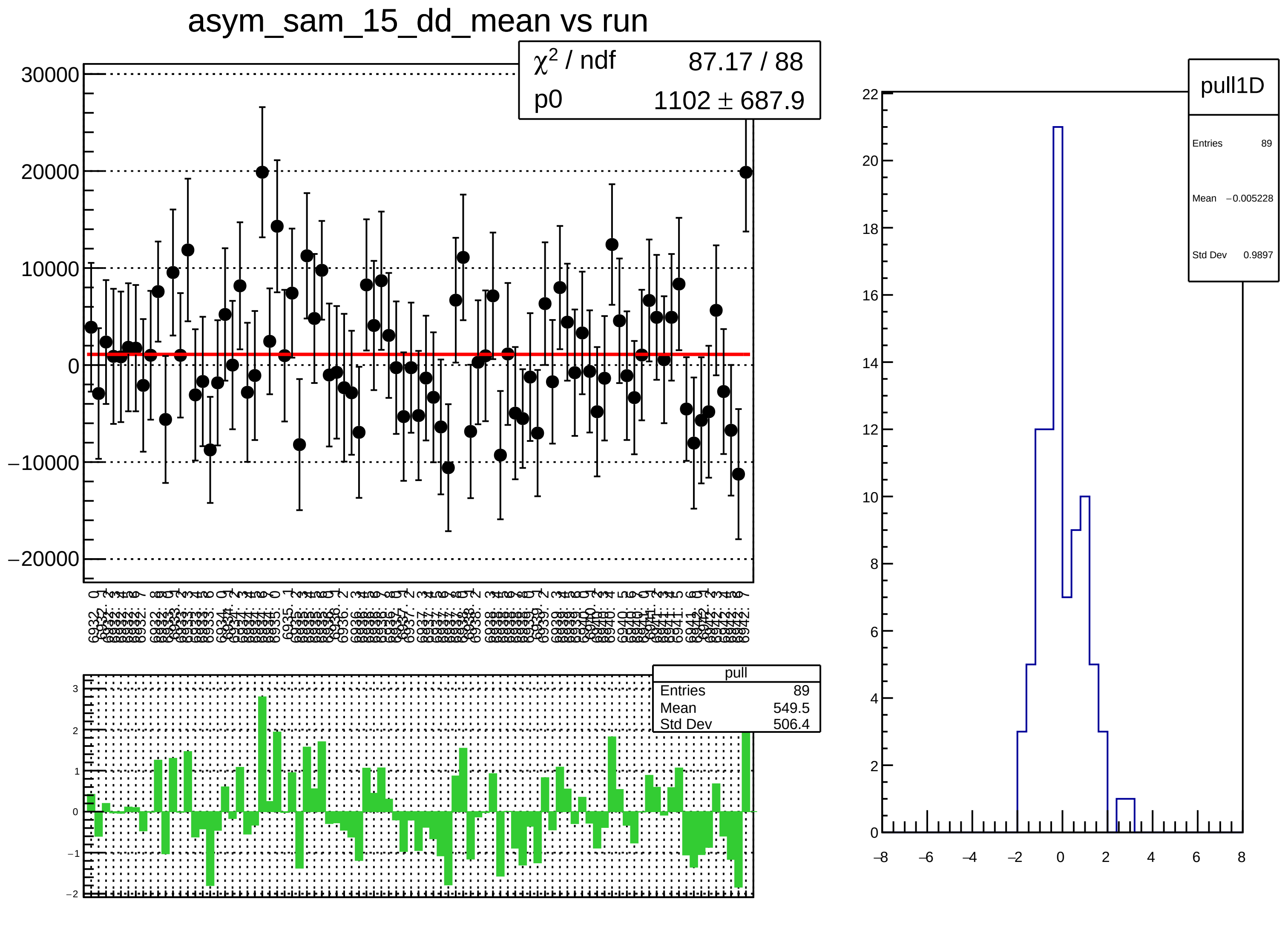


dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 183.2 / 88
p0 117 ± 0.09004
121
120
119
118
117
116
115
114
113

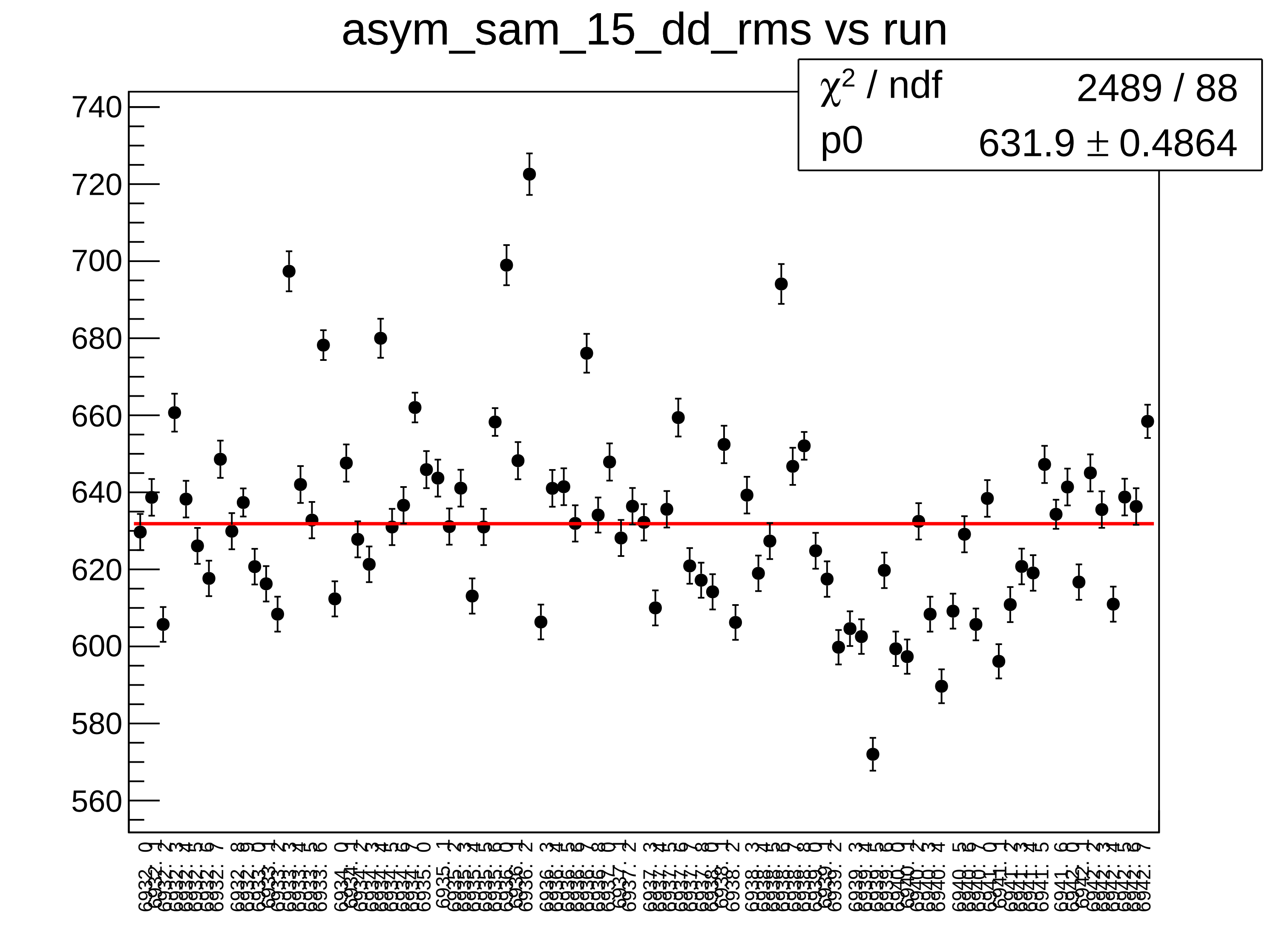


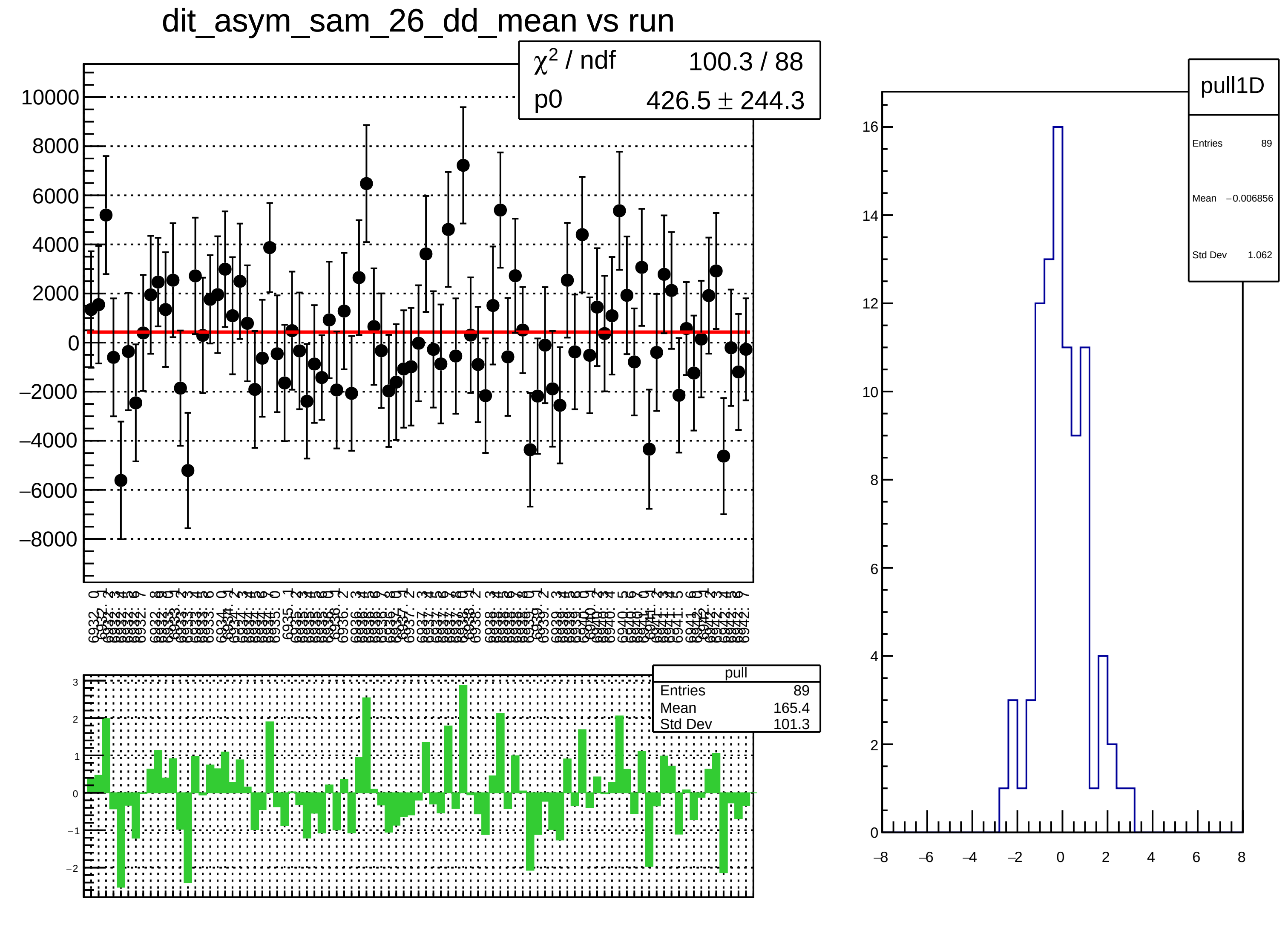
asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 87.87 / 88
p0 −801.6 ± 699.6
pull
Entries 89
Mean 683.5
Std Dev 641.5
pull1D
Entries 89
Mean 0.003832
Std Dev 0.9936

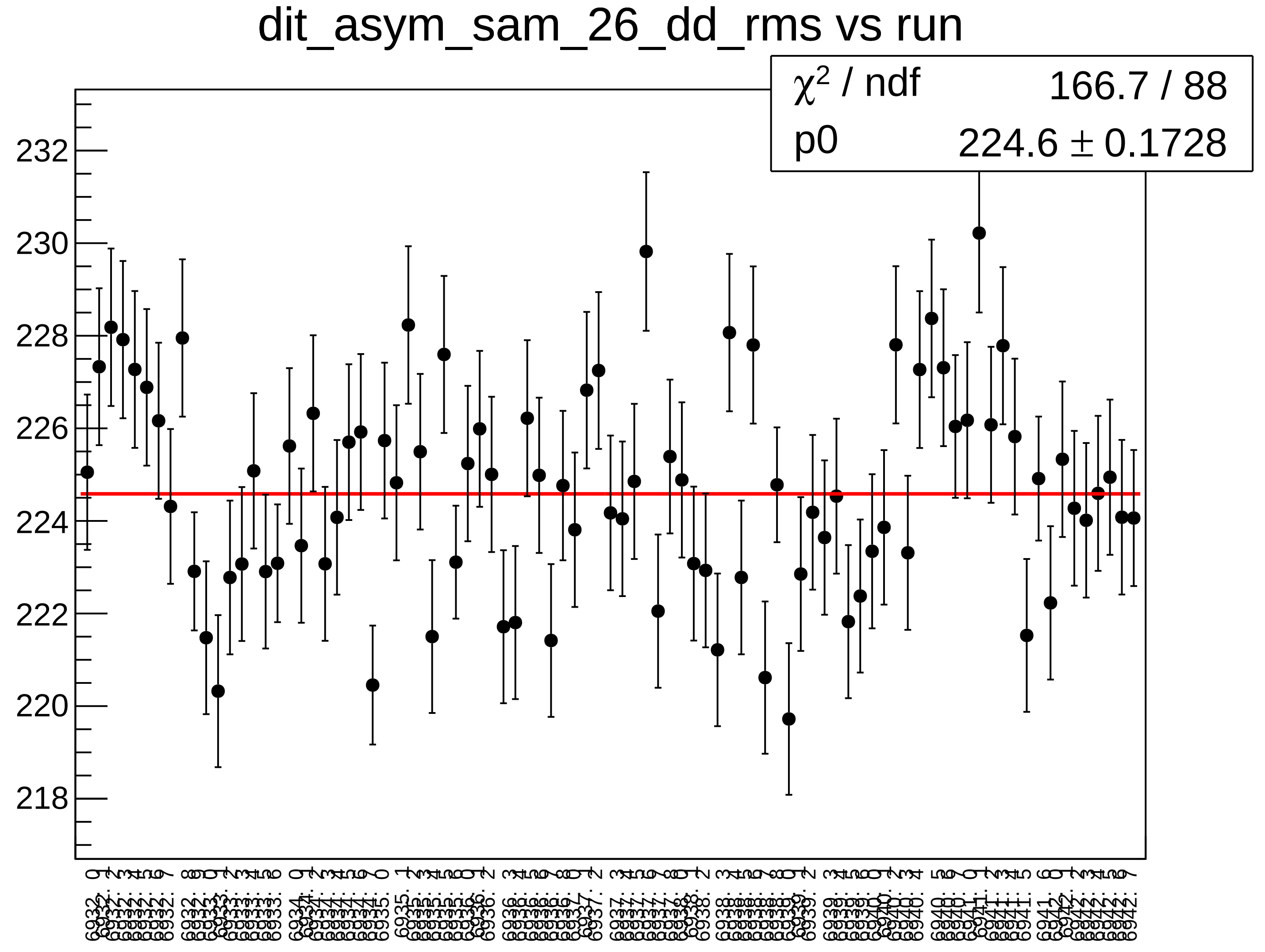

asym_sam_15_dd_correction_rms vs run
χ2 / ndf 2405 / 88
p0 642.7 ± 0.4947
740
720
700
680
660
640
620
600
580



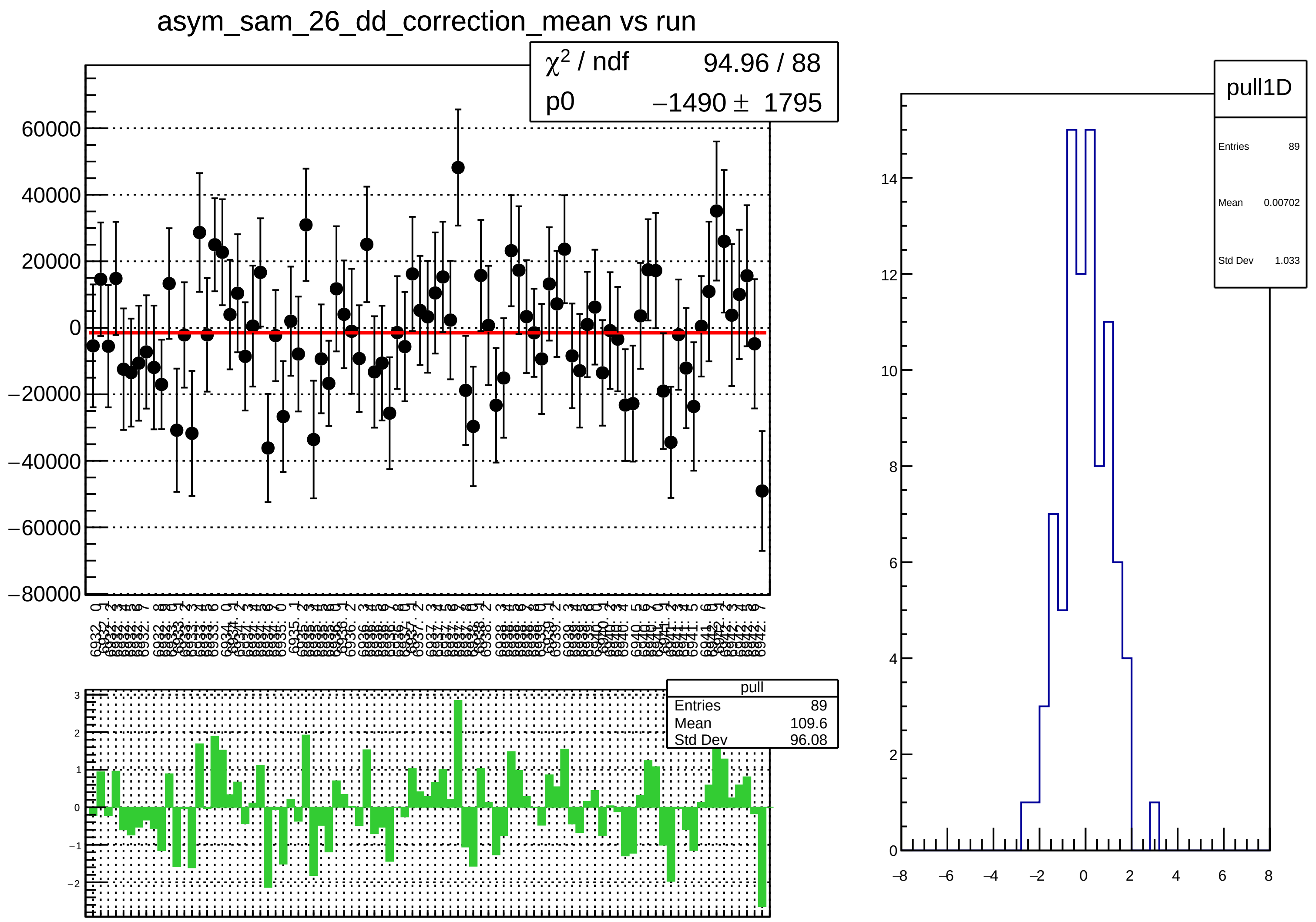
asym_sam_15_dd_mean vs run
χ^2 / ndf 87.17 / 88
p0 1102 ± 687.9
pull
Entries 89
Mean 549.5
Std Dev 506.4
pull1D
Entries 89
Mean −0.005228
Std Dev 0.9897


asym_sam_15_dd_rms vs run
χ2 / ndf 2489 / 88
p0 631.9 ± 0.4864
740
720
700
680
660
640
620
600
580
560

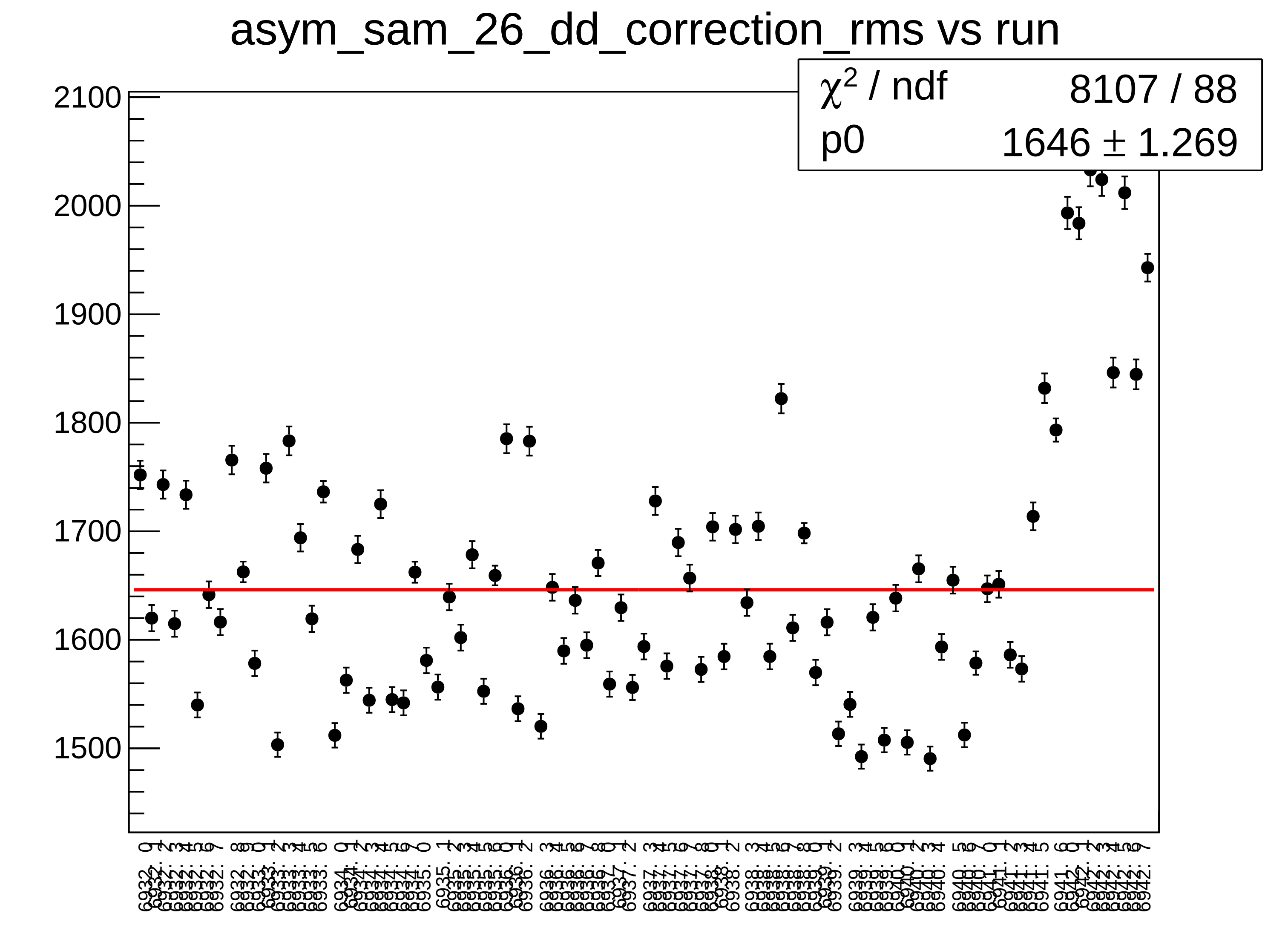

dit_asym_sam_26_dd_mean vs run
χ2 / ndf 100.3 / 88
p0 426.5 ± 244.3
pull
Entries 89
Mean 165.4
Std Dev 101.3
pull1D
Entries 89
Mean −0.006856
Std Dev 1.062

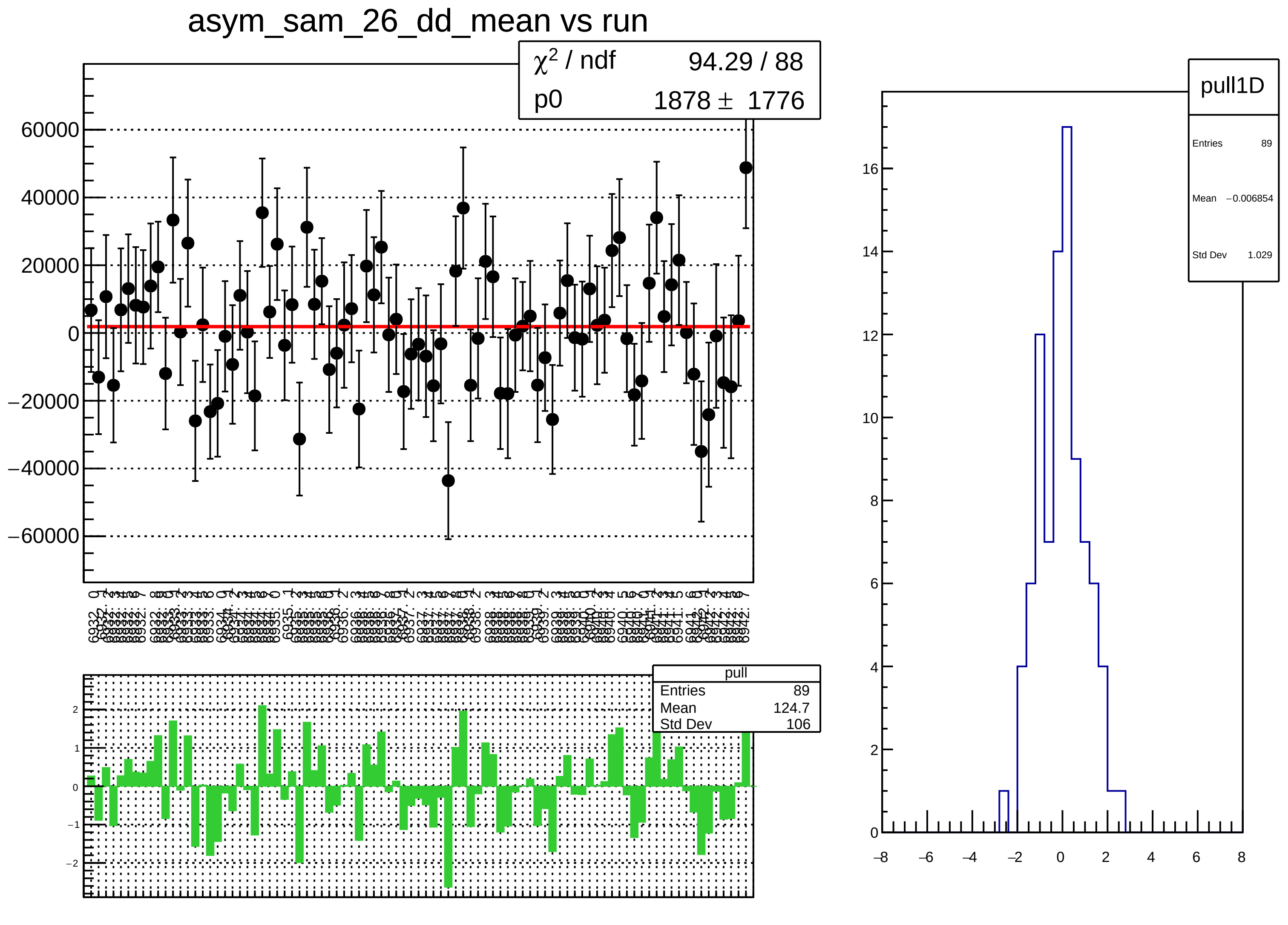


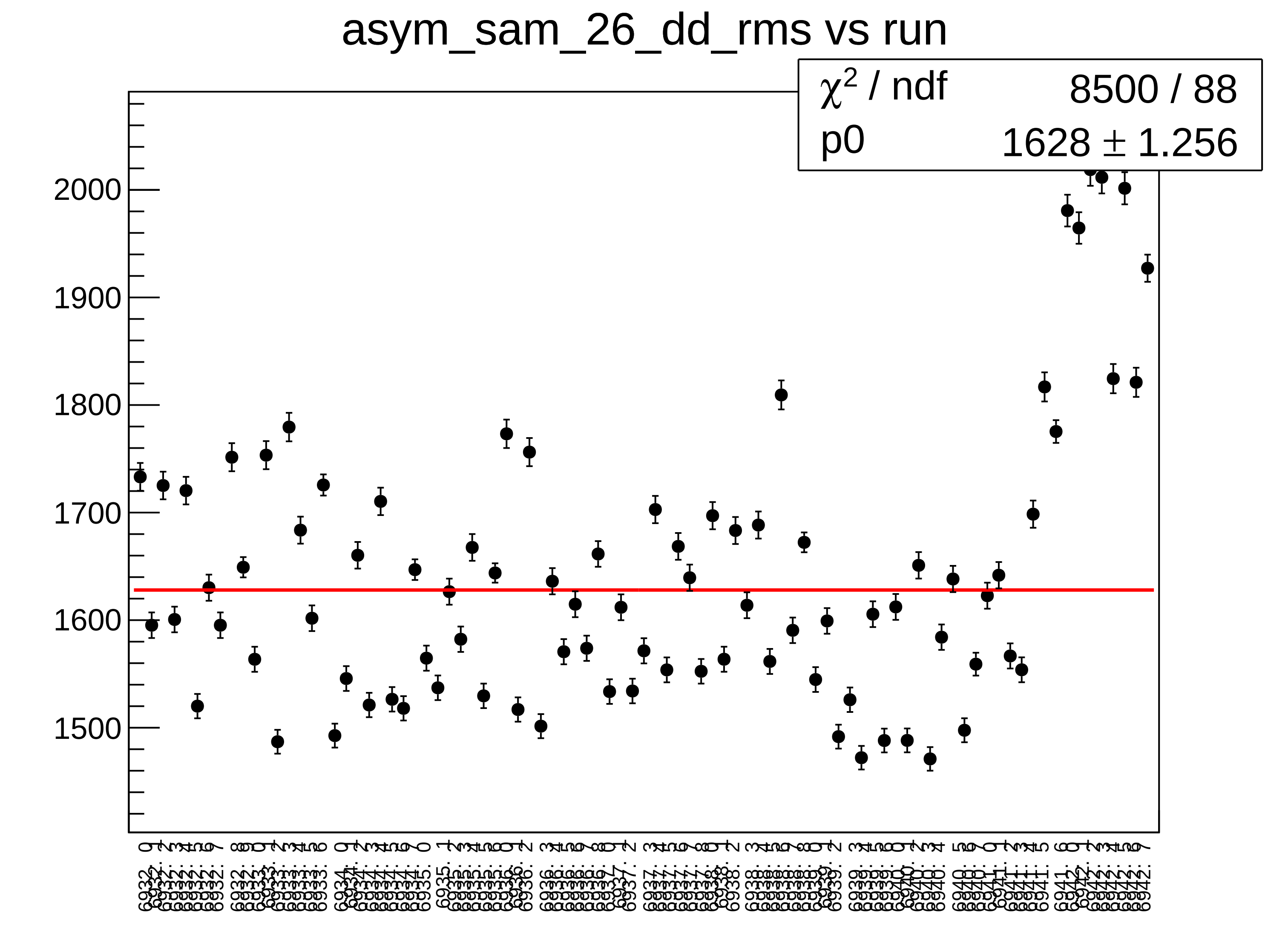
dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 166.7 / 88
p0 224.6 ± 0.1728
232
230
228
226
224
222
220
218

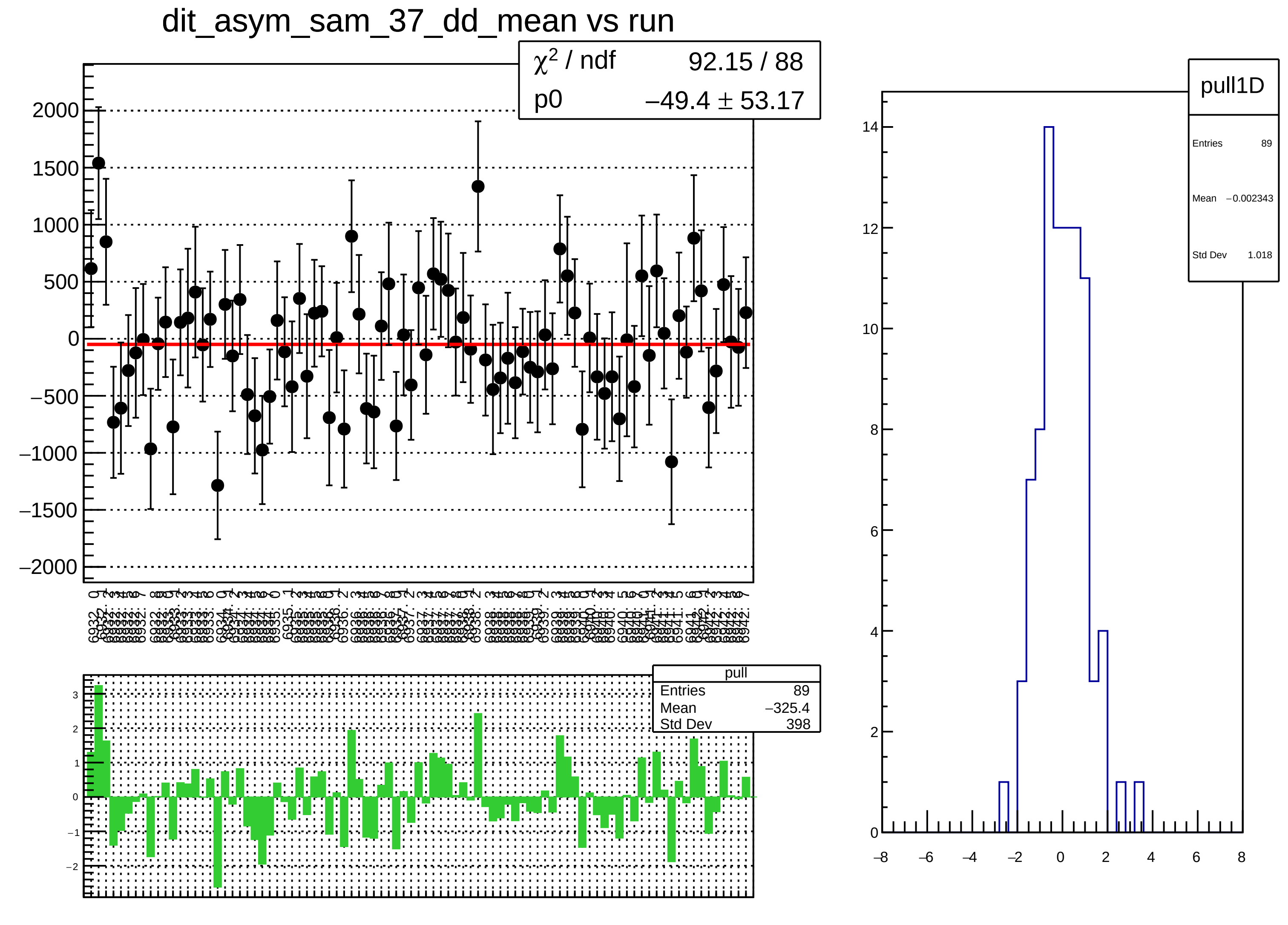


asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 94.96 / 88
p0 −1490 ± 1795
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 109.6
Std Dev 96.08
3
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.00702
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

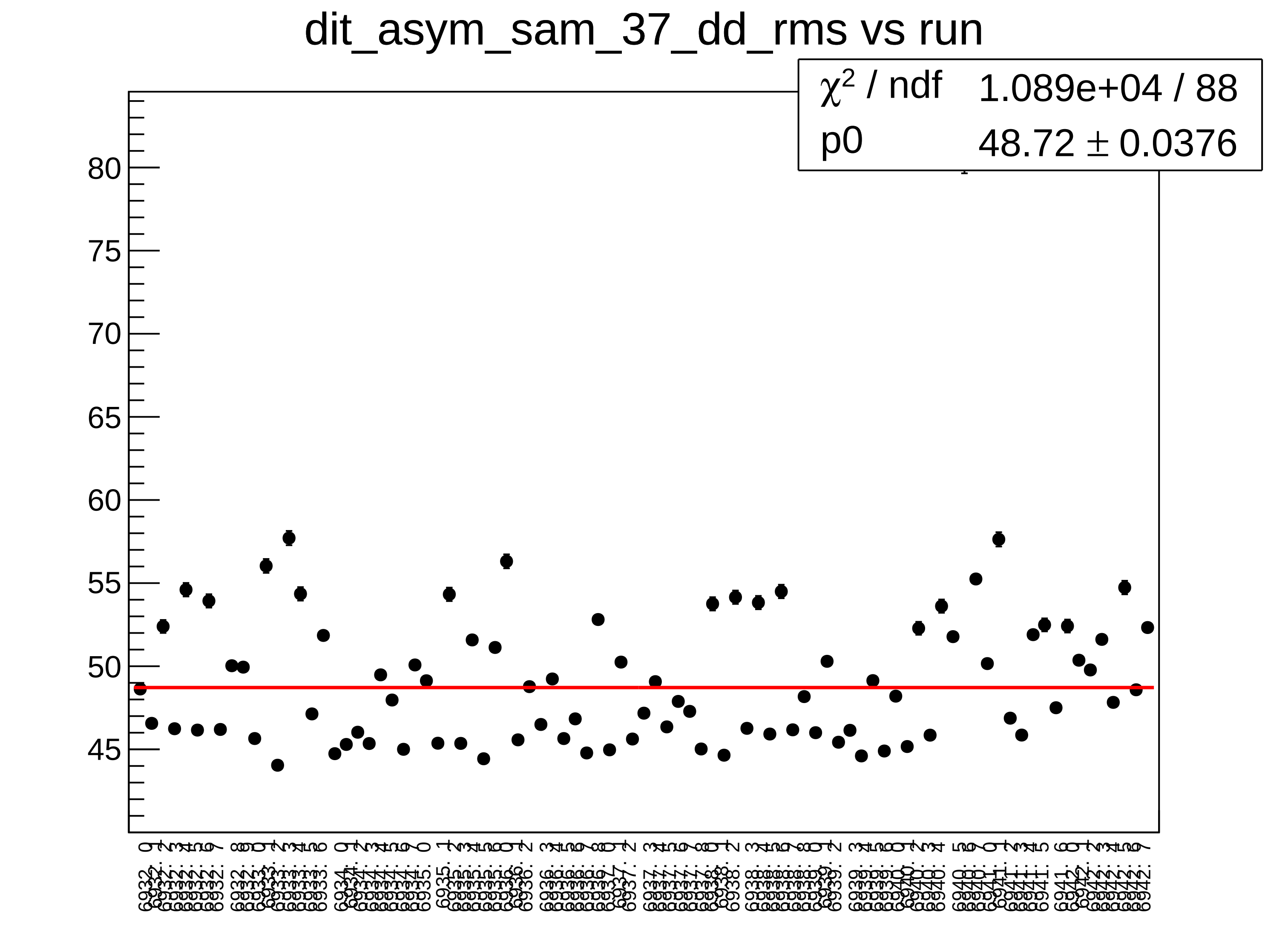

asym_sam_26_dd_correction_rms vs run
χ2 / ndf 8107 / 88
p0 1646 ± 1.269
2100
2000
1900
1800
1700
1600
1500


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

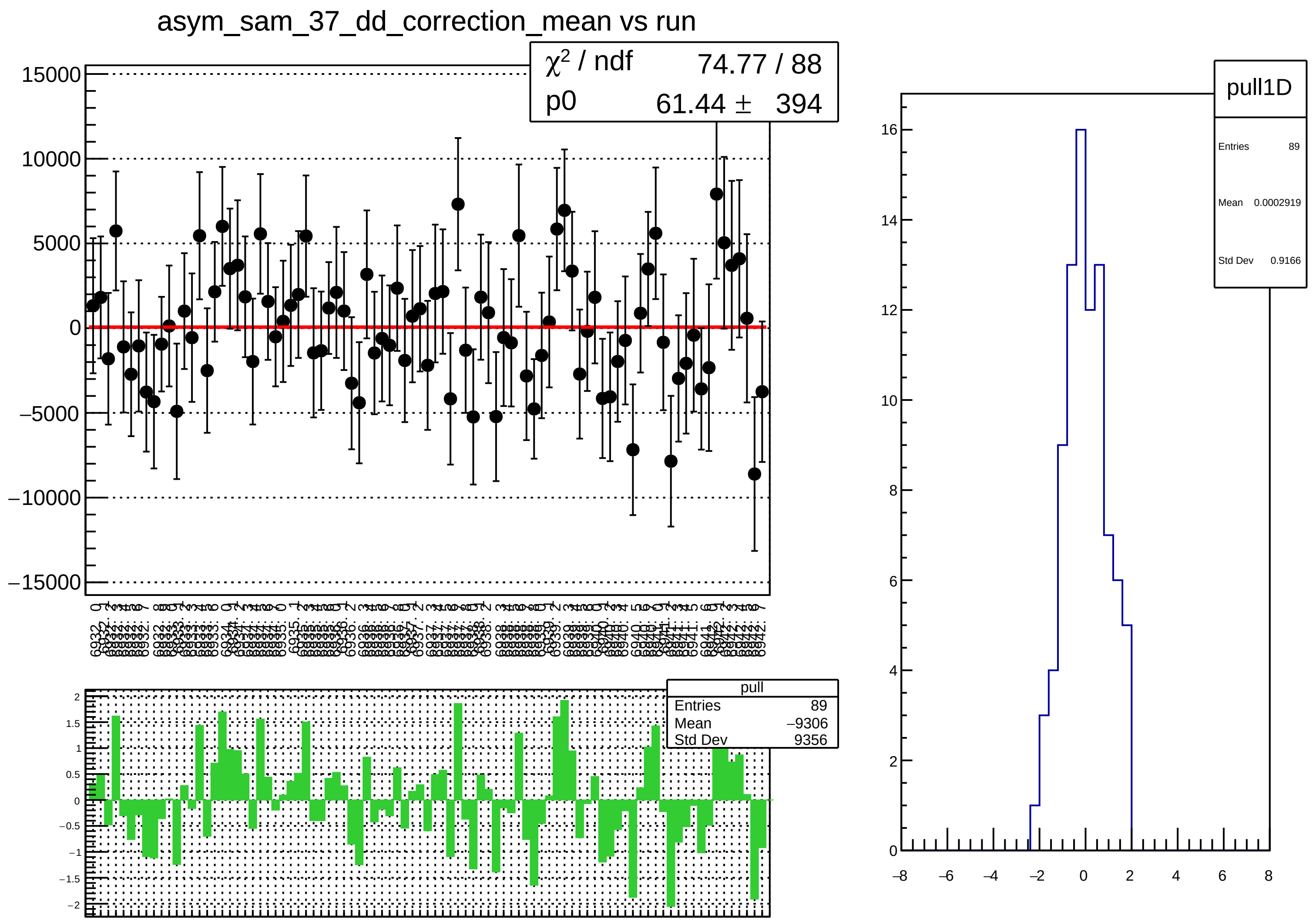

asym_sam_26_dd_rms vs run
χ^2 / ndf 8500 / 88
p0 1628 ± 1.256
2000
1900
1800
1700
1600
1500



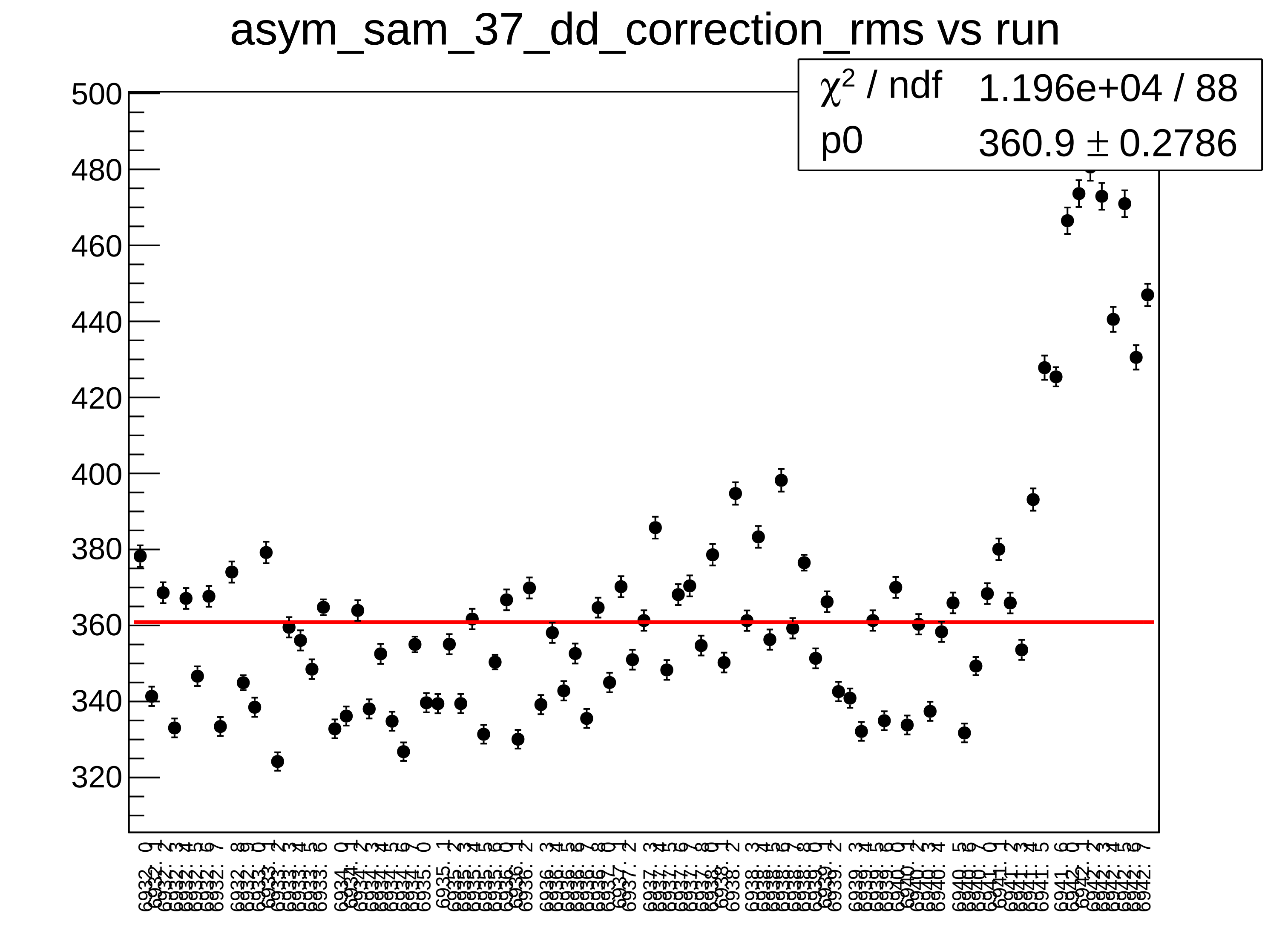
dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 92.15 / 88
p0 −49.4 ± 53.17
pull
Entries 89
Mean −325.4
Std Dev 398
pull1D
Entries 89
Mean −0.002343
Std Dev 1.018



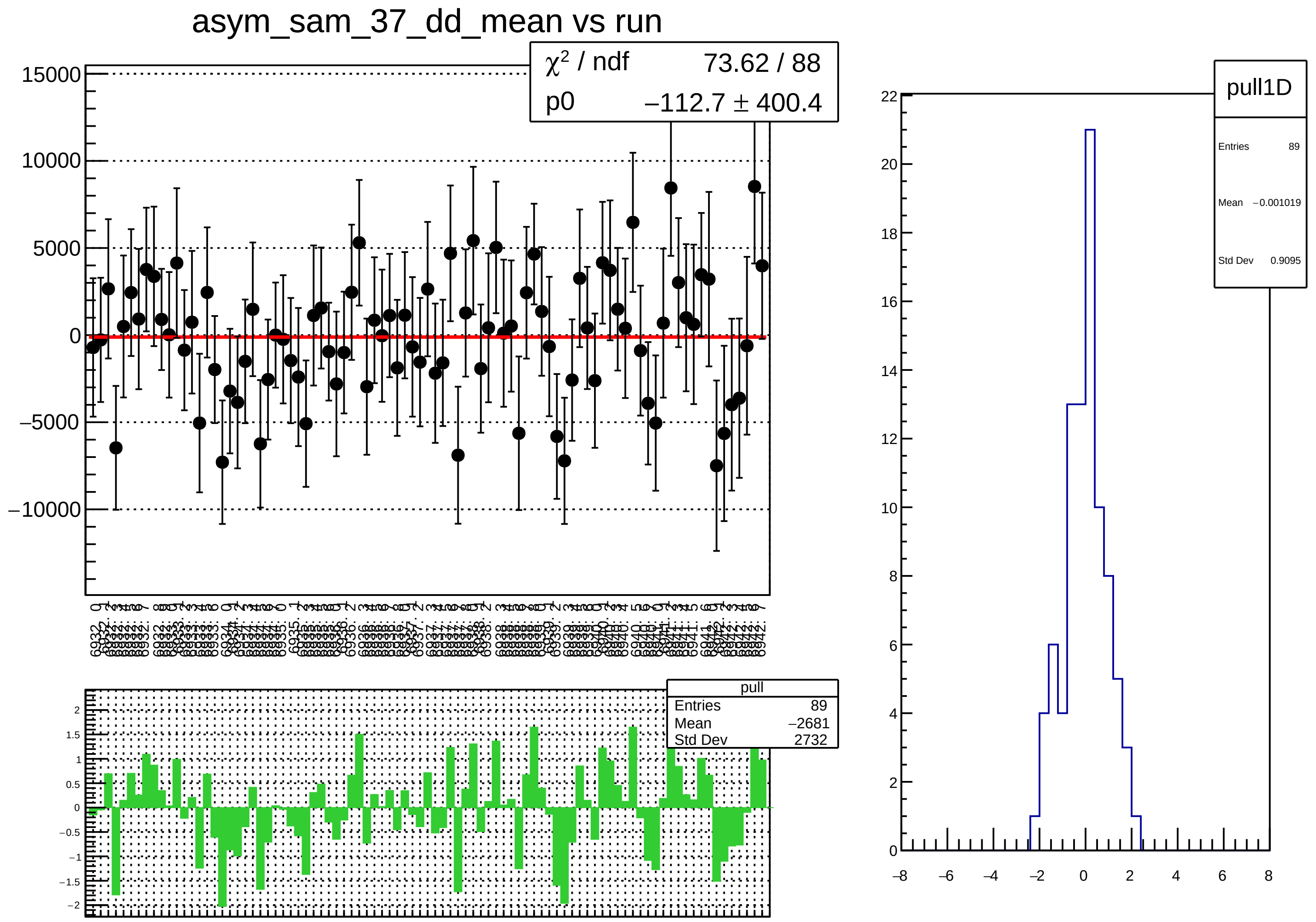
dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.089e+04 / 88
p0 48.72 ± 0.0376
80
75
70
65
60
55
50
45



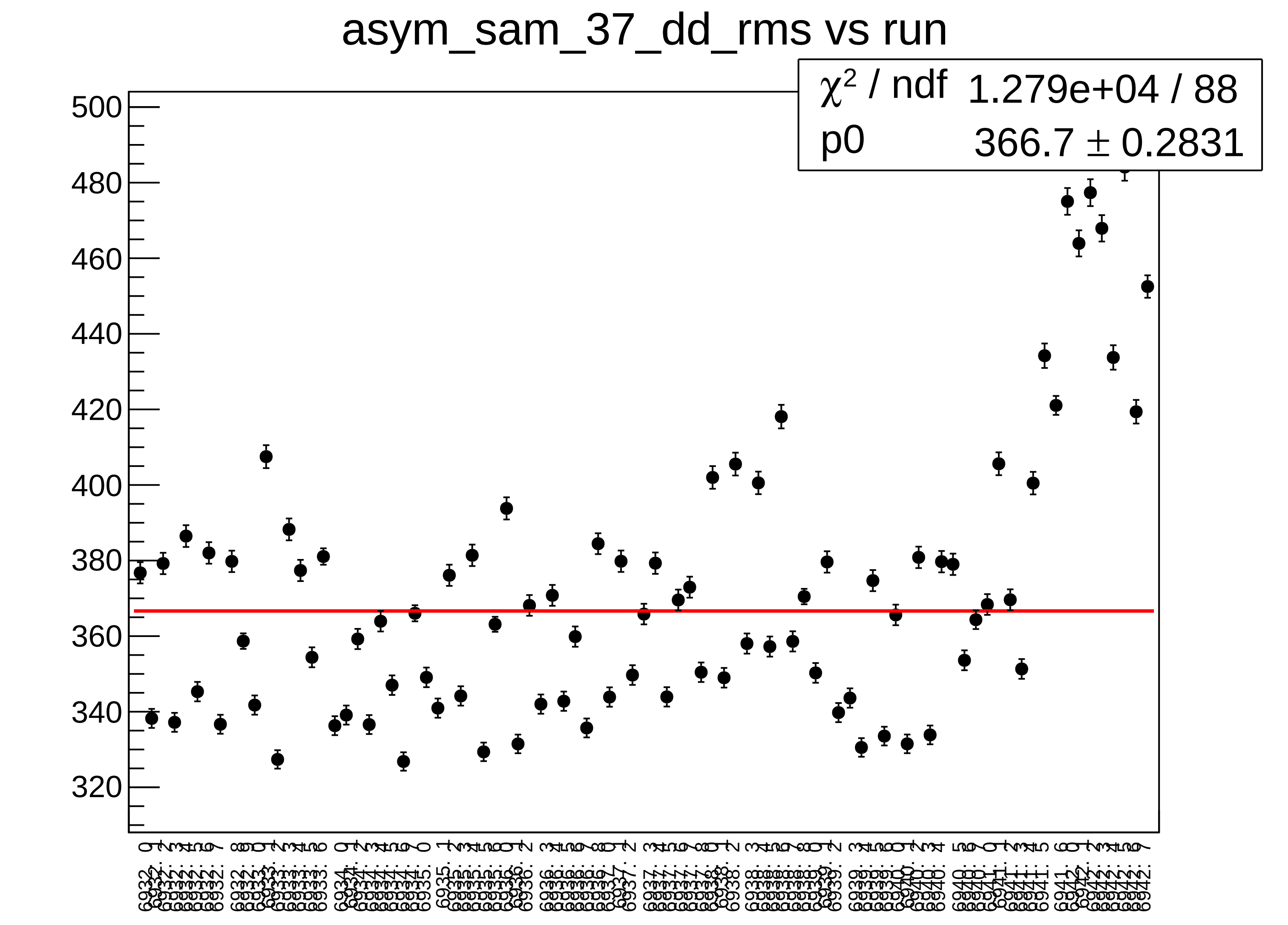
asym_sam_37_dd_correction_mean vs run
χ2 / ndf 74.77 / 88
p0 61.44 ± 394
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −9306
Std Dev 9356
pull1D
Entries 89
Mean 0.0002919
Std Dev 0.9166

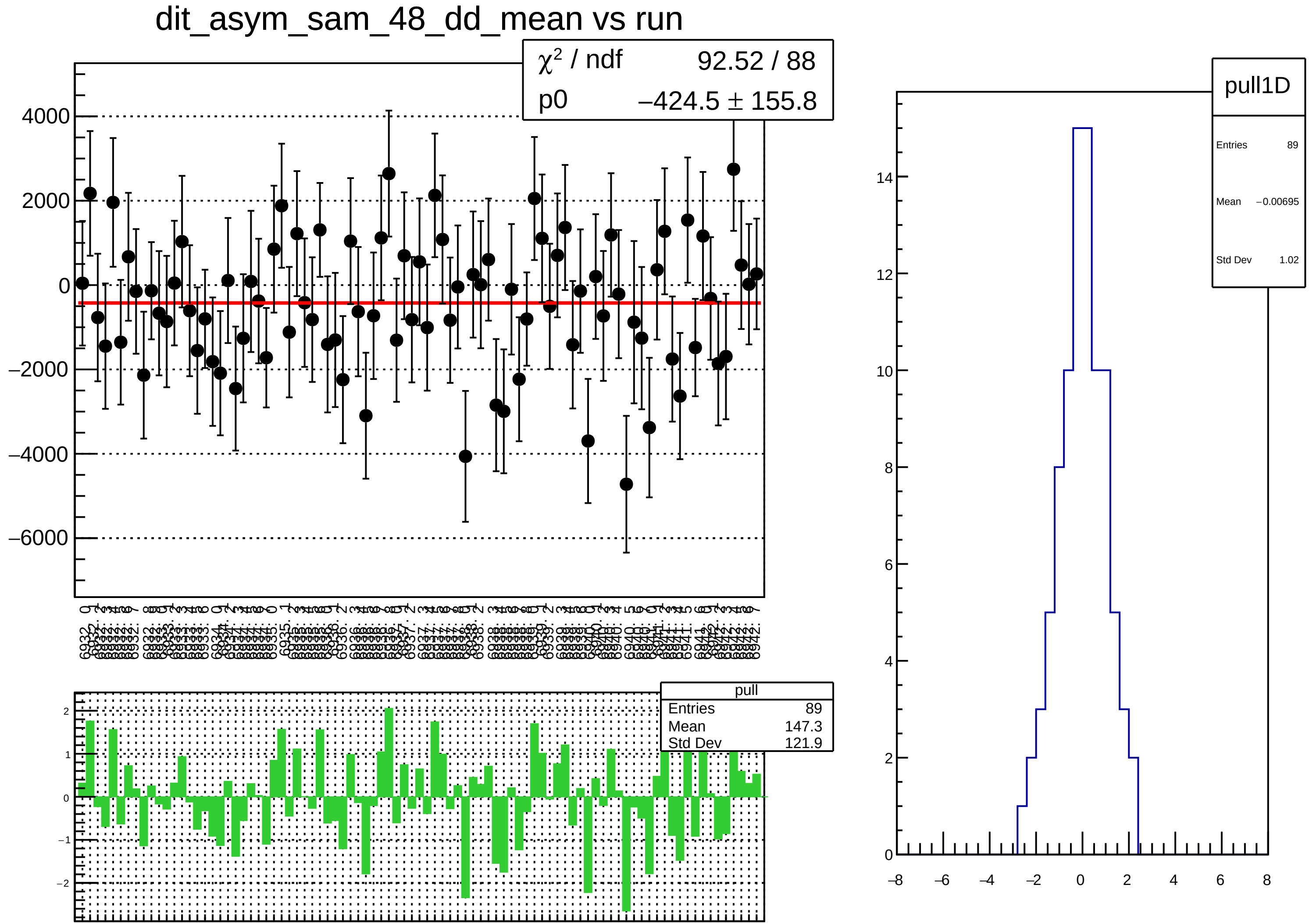


asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 1.196e+04 / 88
p0 360.9 ± 0.2786
500
480
460
440
420
400
380
360
340
320

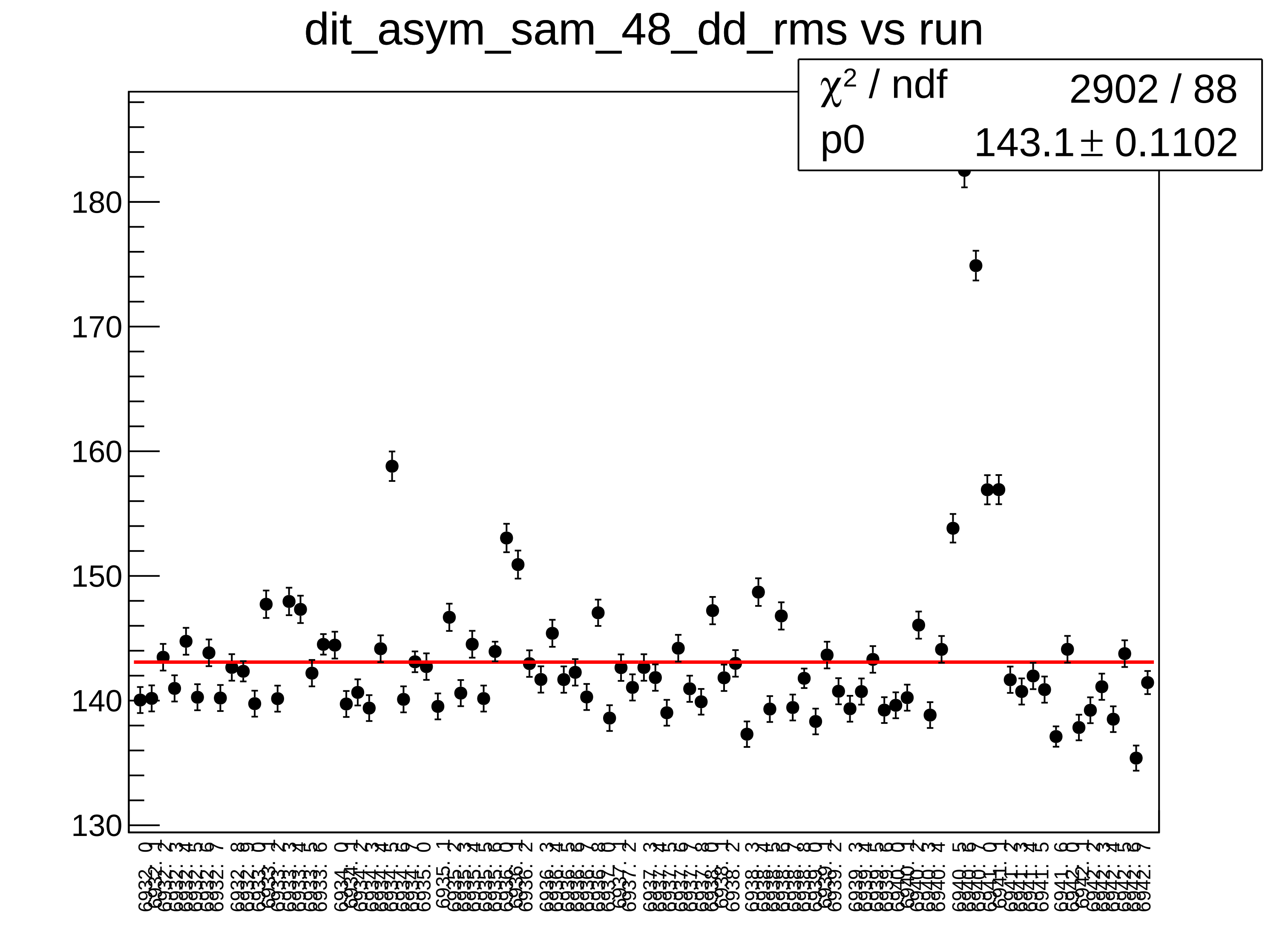


asym_sam_37_dd_mean vs run
χ² / ndf 73.62 / 88
p0 −112.7 ± 400.4
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −2681
Std Dev 2732
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.001019
Std Dev 0.9095
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

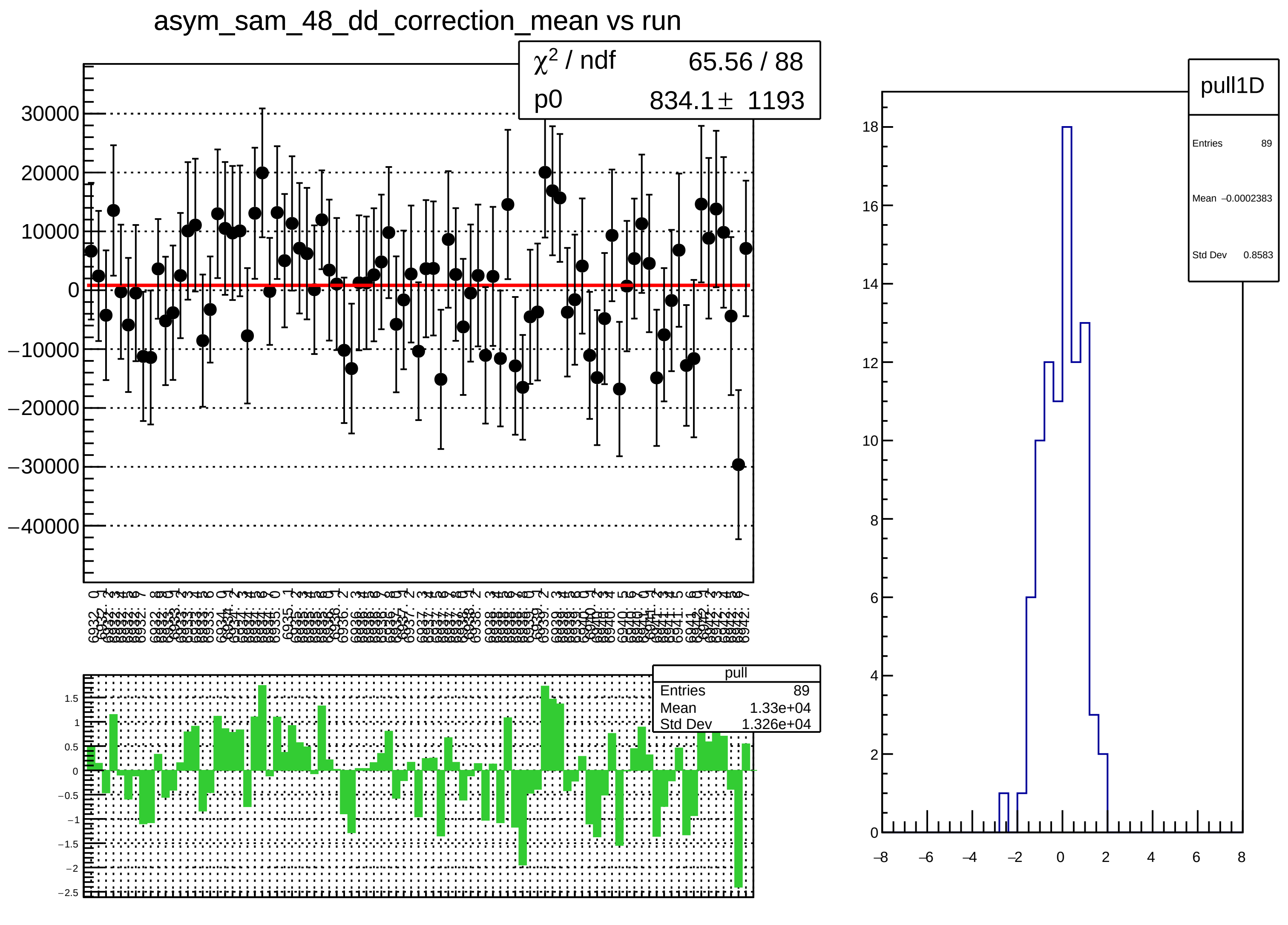

asym_sam_37_dd_rms vs run
χ^2 / ndf 1.279e+04 / 88
p0 366.7 ± 0.2831
500
480
460
440
420
400
380
360
340
320



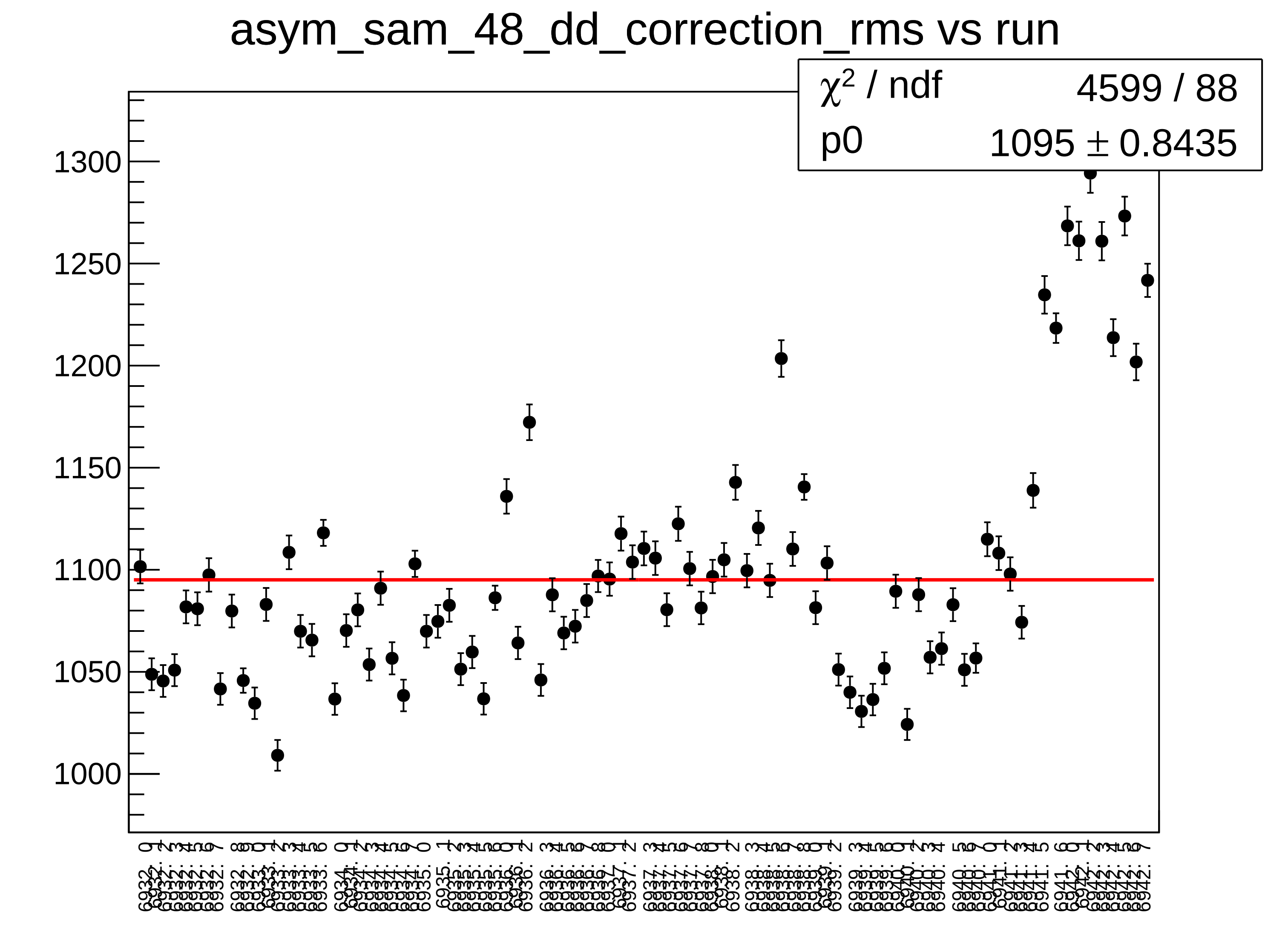
dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 92.52 / 88
p0 −424.5 ± 155.8
pull
Entries 89
Mean 147.3
Std Dev 121.9
pull1D
Entries 89
Mean −0.00695
Std Dev 1.02



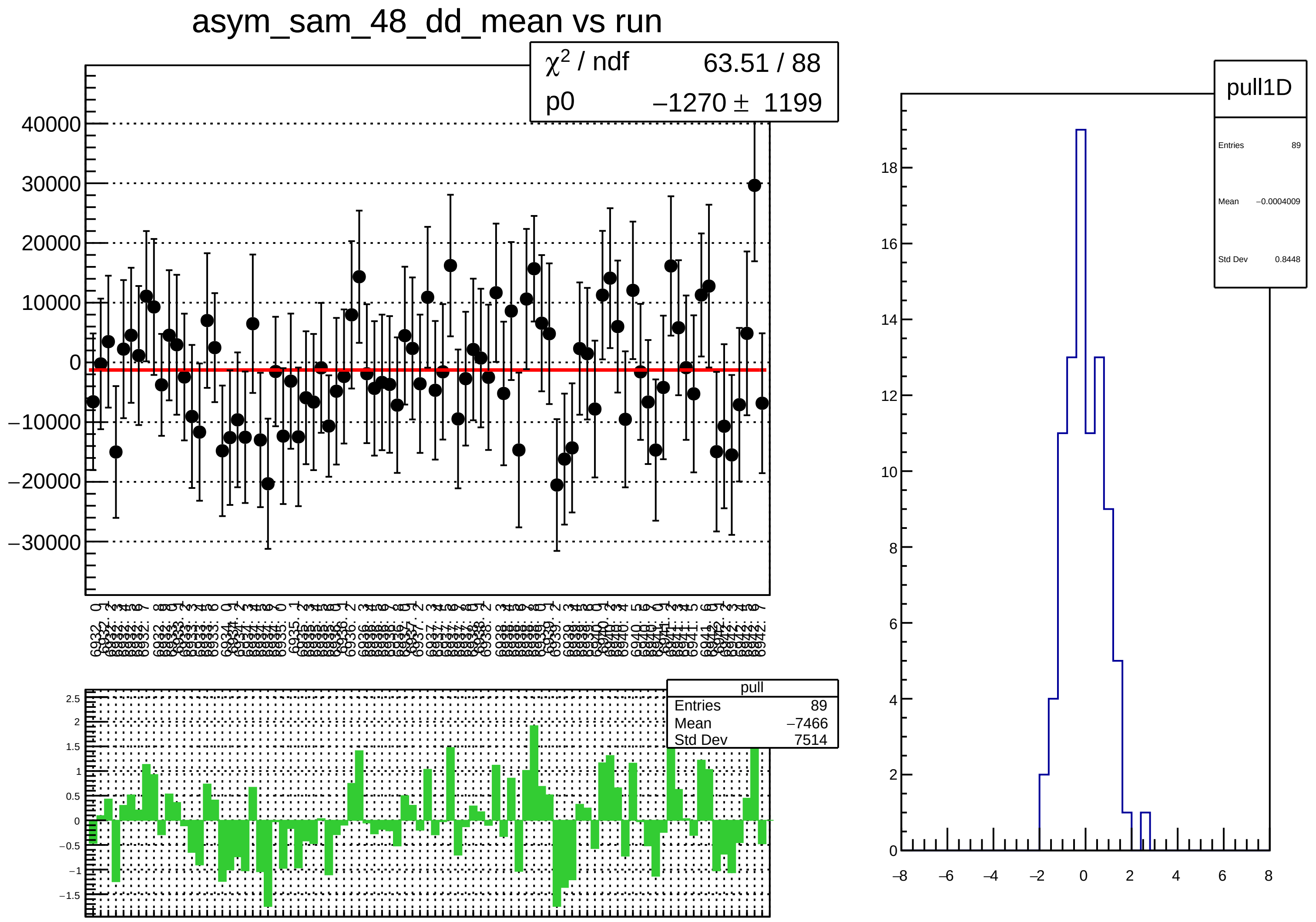
dit_asym_sam_48_dd_rms vs run
χ2 / ndf 2902 / 88
p0 143.1 ± 0.1102
180
170
160
150
140
130



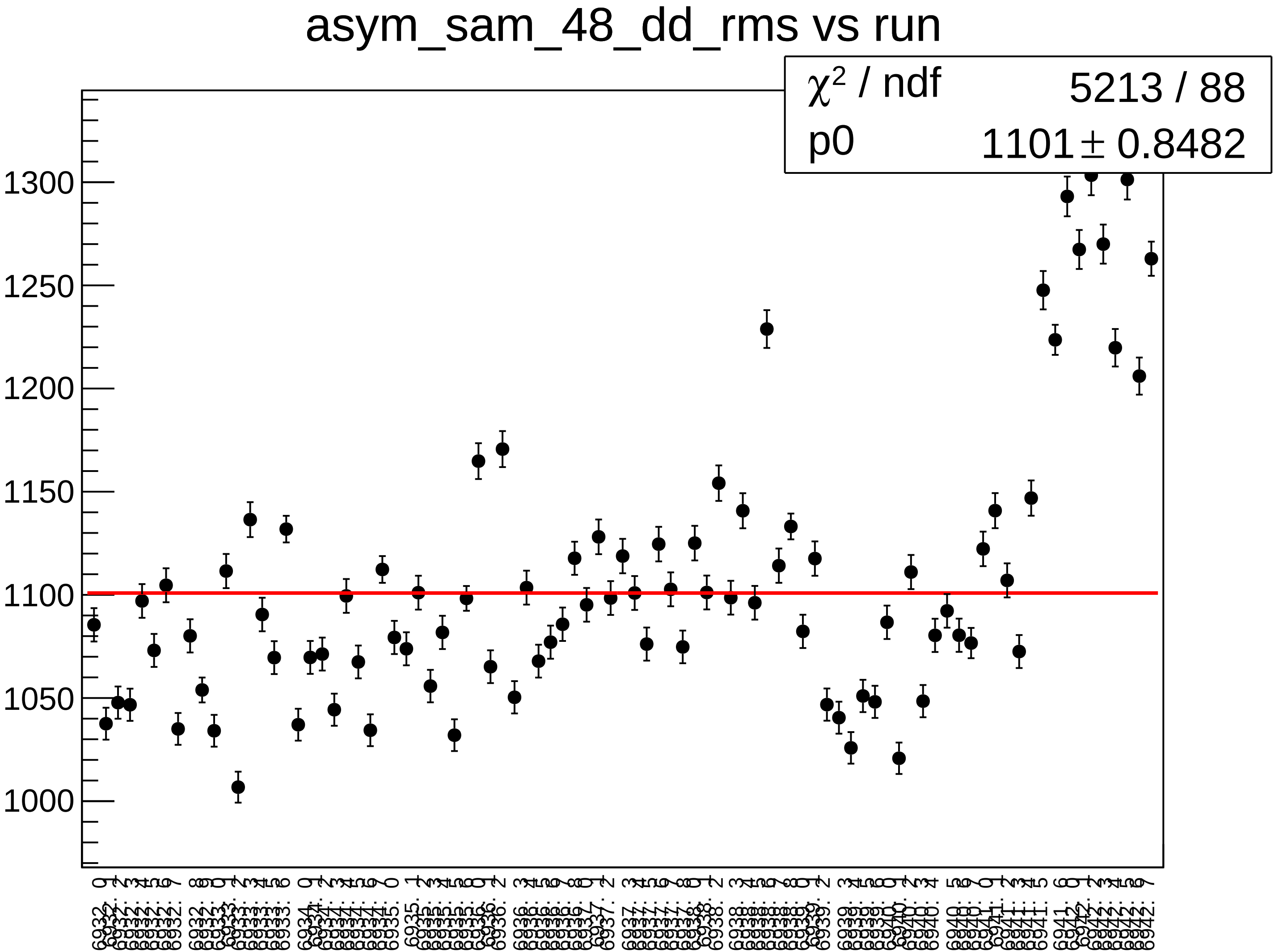
asym_sam_48_dd_correction_mean vs run
χ2 / ndf 65.56 / 88
p0 834.1 ± 1193
pull
Entries 89
Mean 1.33e+04
Std Dev 1.326e+04
pull1D
Entries 89
Mean −0.0002383
Std Dev 0.8583

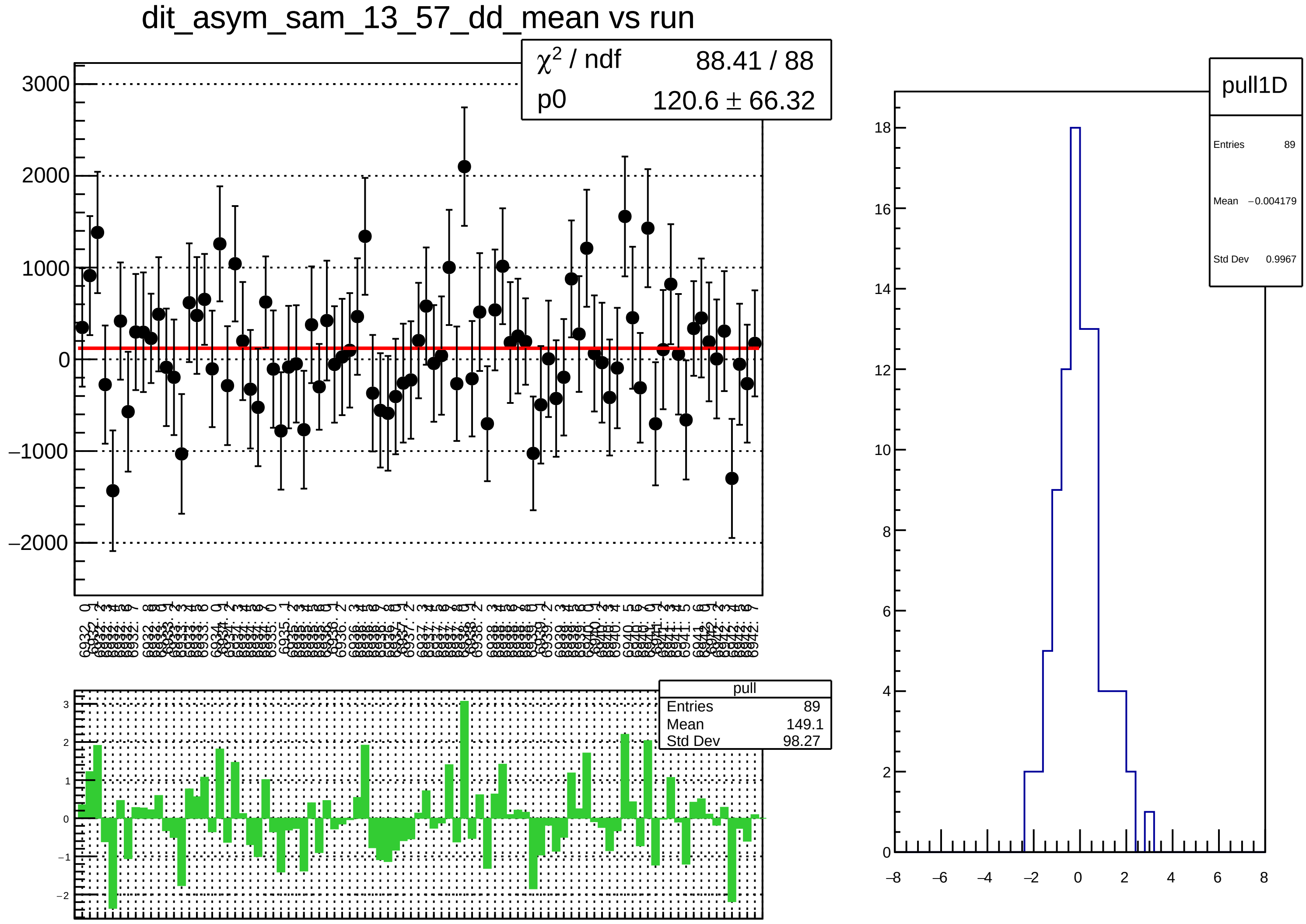


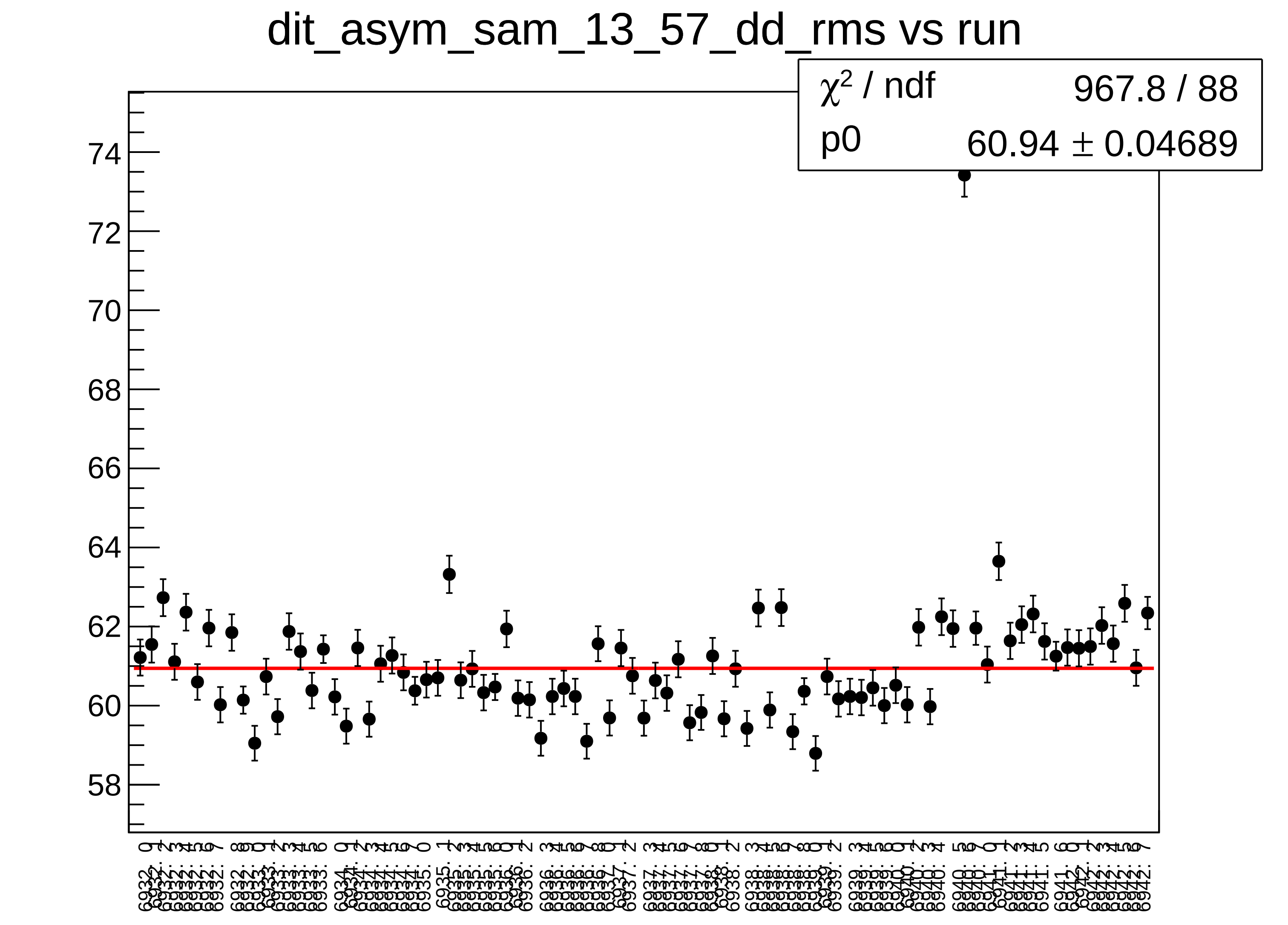
asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 4599 / 88
p0 1095 ± 0.8435
1300
1250
1200
1150
1100
1050
1000



asym_sam_48_dd_mean vs run
χ^2 / ndf 63.51 / 88
p0 −1270 ± 1199
pull
Entries 89
Mean −7466
Std Dev 7514
pull1D
Entries 89
Mean −0.0004009
Std Dev 0.8448

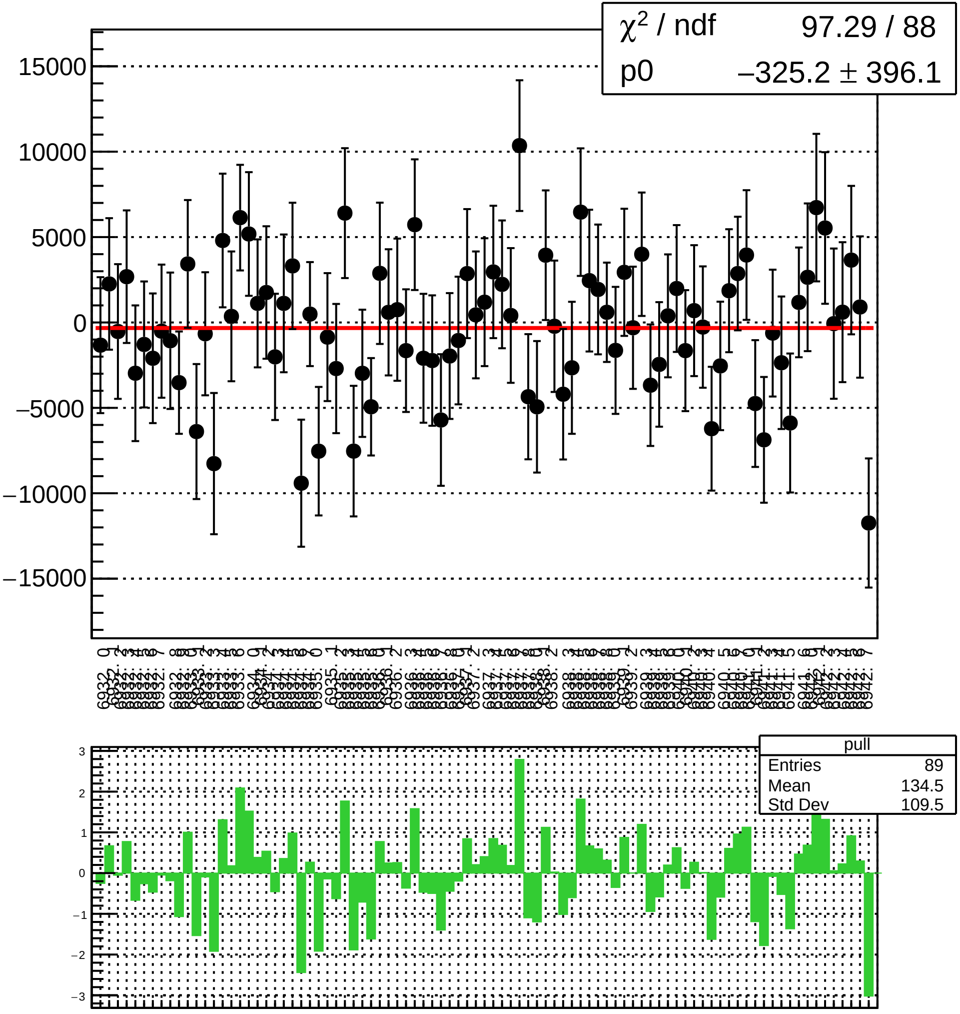

asym_sam_48_dd_rms vs run
χ^2 / ndf 5213 / 88
p0 1101 ± 0.8482
1300
1250
1200
1150
1100
1050
1000

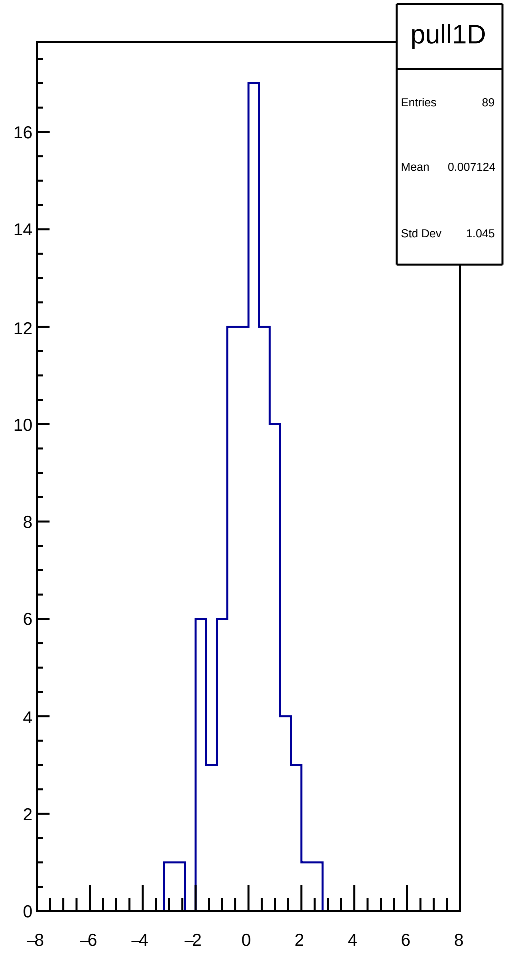

dit_asym_sam_13_57_dd_mean vs run
χ2 / ndf 88.41 / 88
p0 120.6 ± 66.32
3000
2000
1000
0
−1000
−2000
pull
Entries 89
Mean 149.1
Std Dev 98.27
pull1D
Entries 89
Mean −0.004179
Std Dev 0.9967

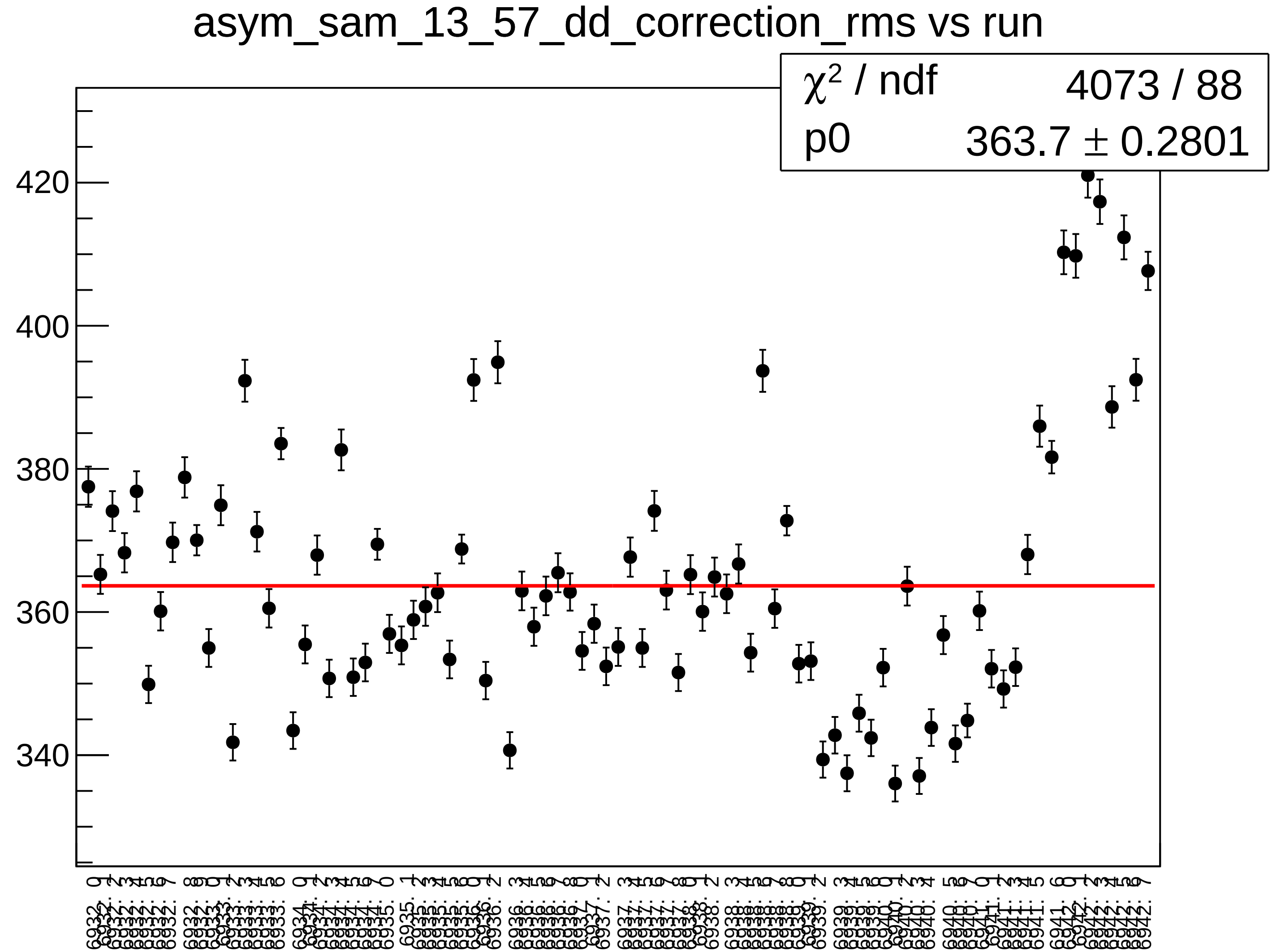


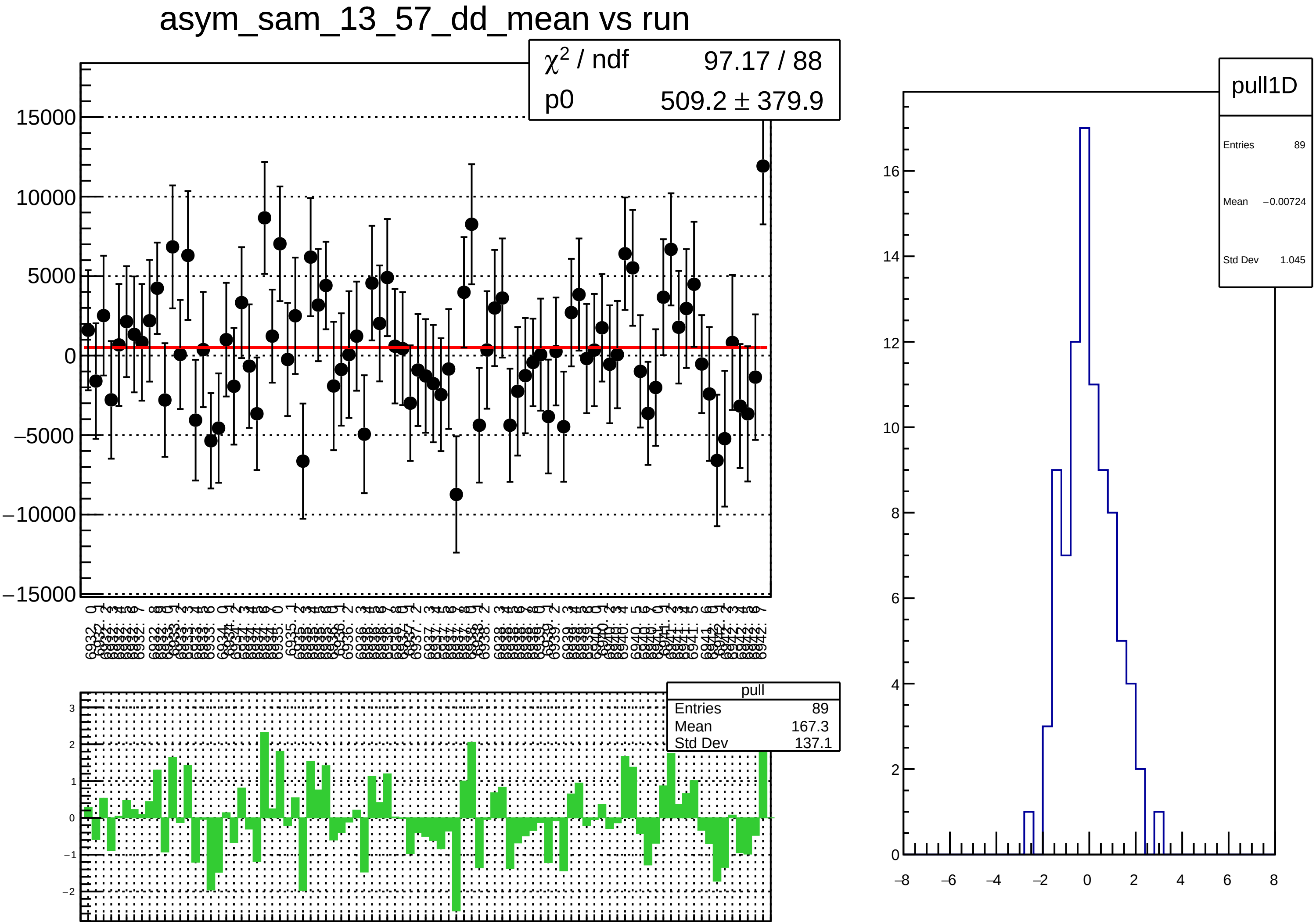
dit_asym_sam_13_57_dd_rms vs run
χ2 / ndf 967.8 / 88
p0 60.94 ± 0.04689
74
72
70
68
66
64
62
60
58

asym_sam_13_57_dd_correction_mean vs run

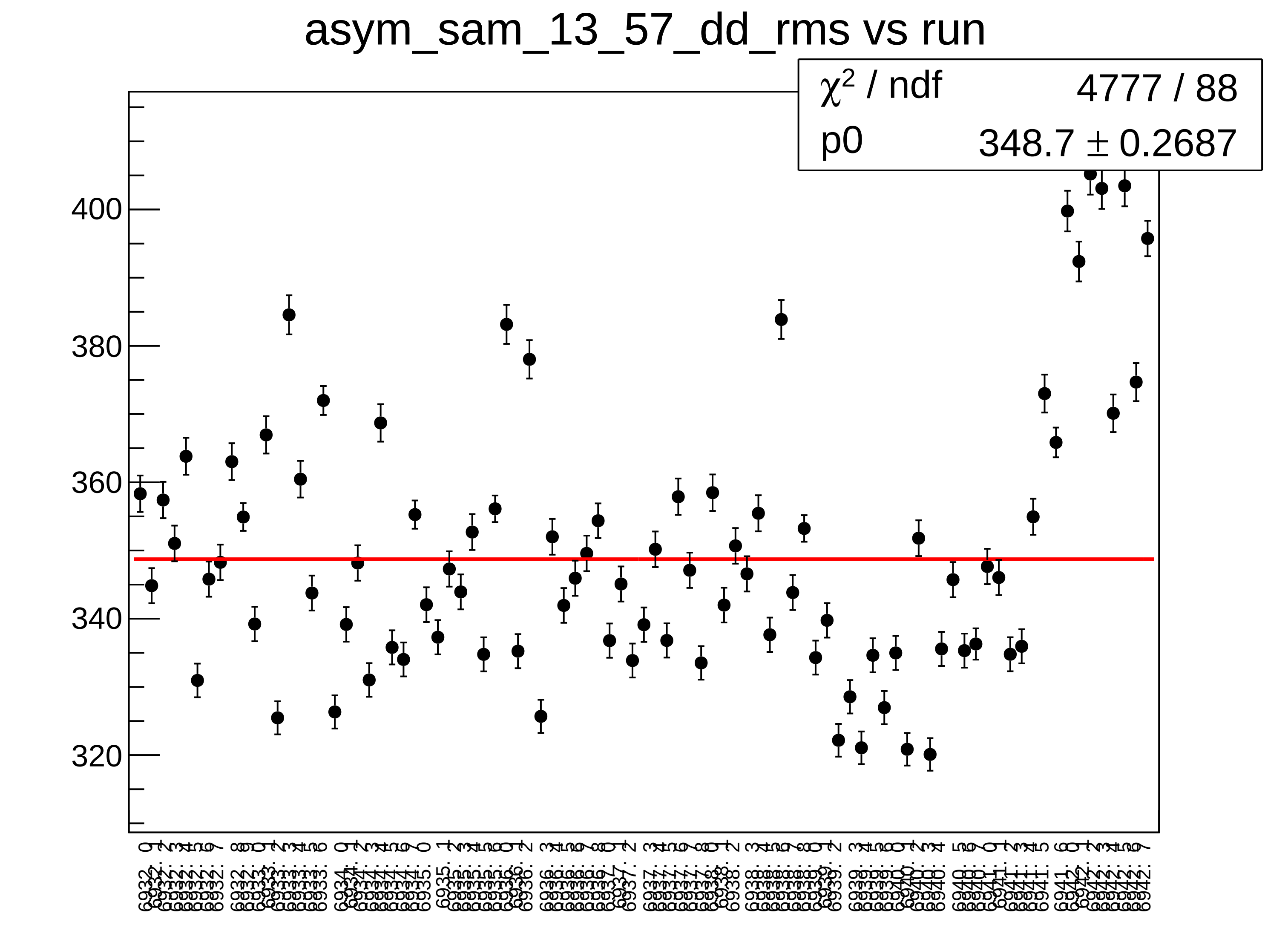


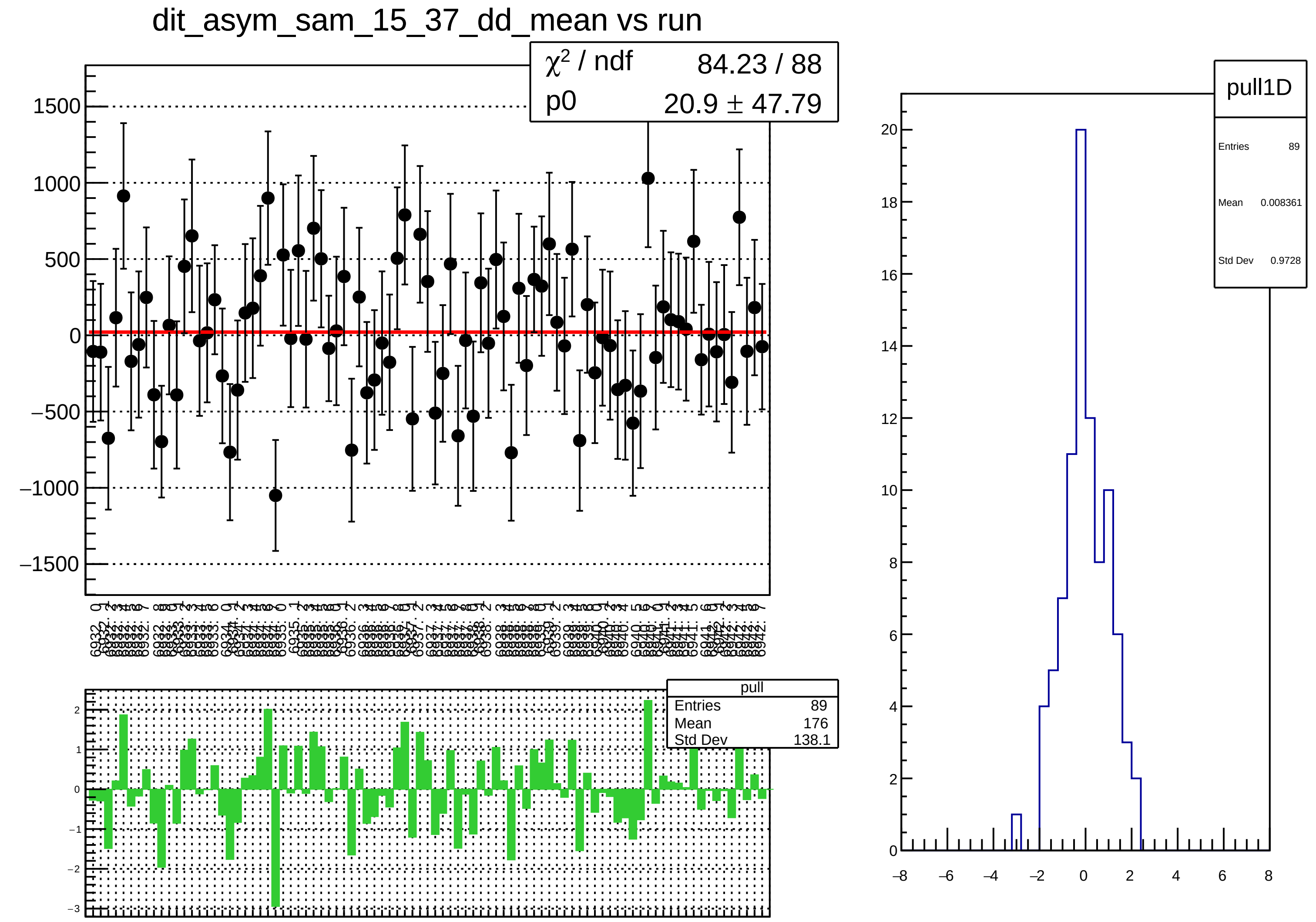



asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 4073 / 88
p0 363.7 ± 0.2801
420
400
380
360
340

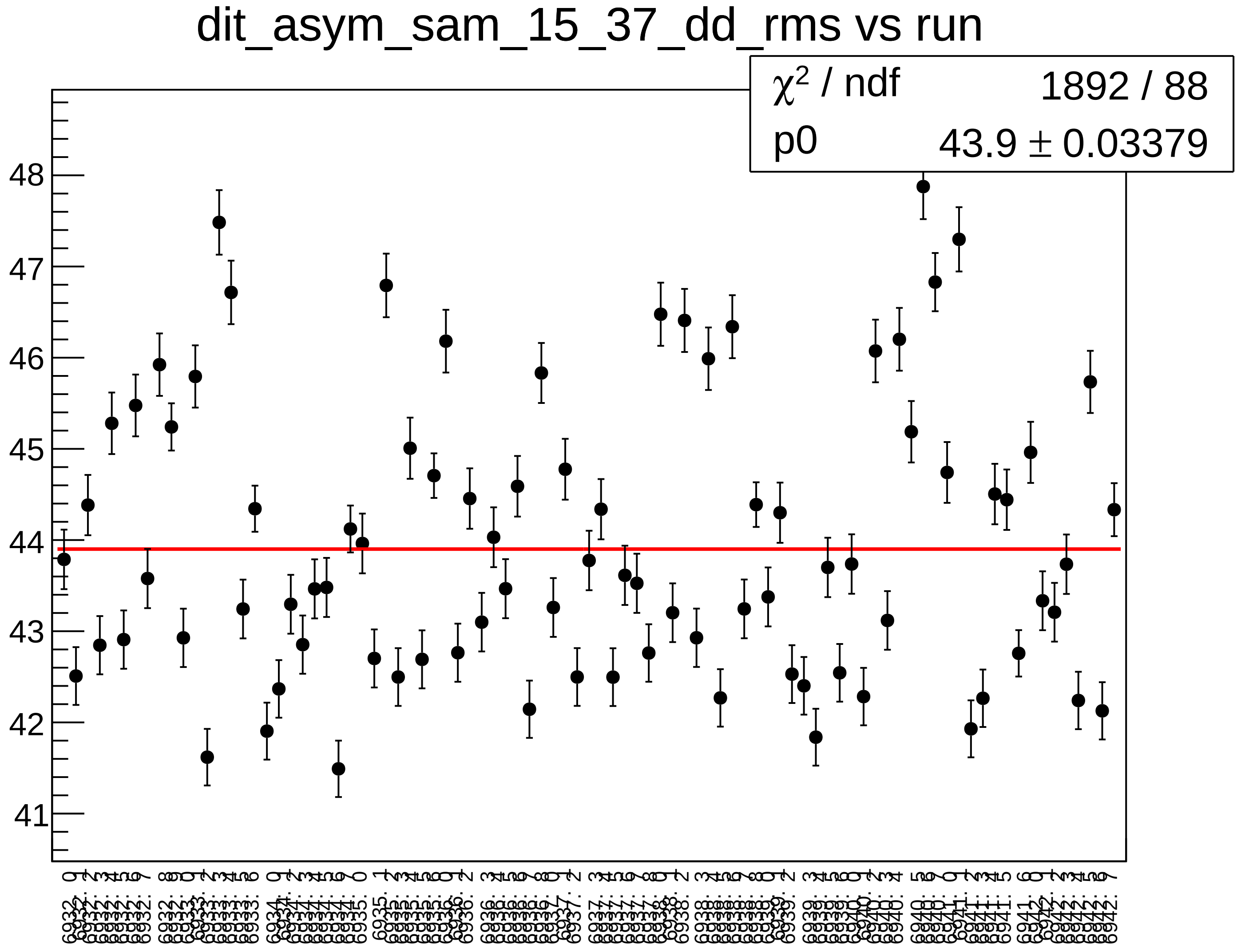


asym_sam_13_57_dd_mean vs run
χ^2 / ndf 97.17 / 88
p0 509.2 ± 379.9
pull
Entries 89
Mean 167.3
Std Dev 137.1
pull1D
Entries 89
Mean −0.00724
Std Dev 1.045

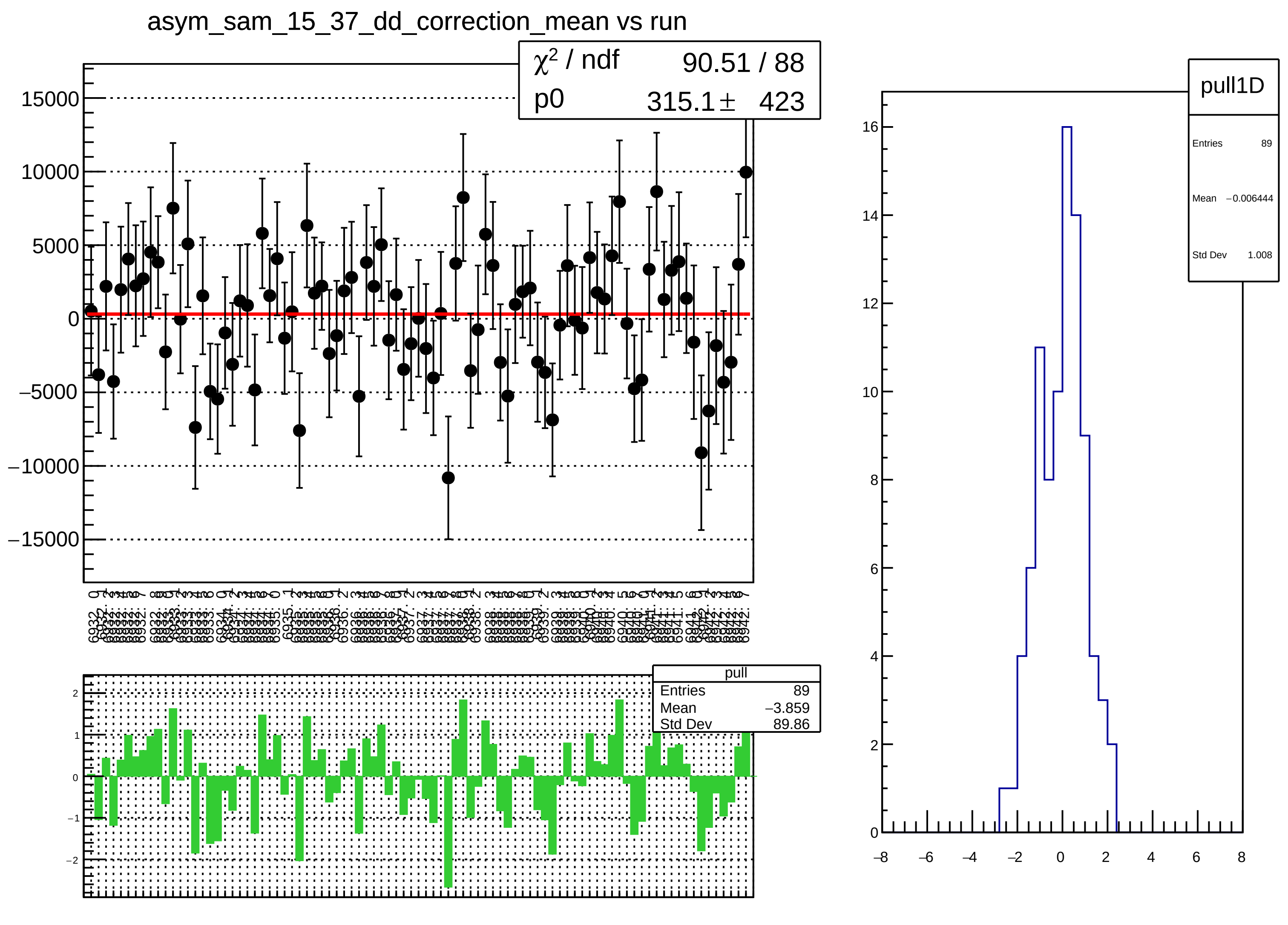

asym_sam_13_57_dd_rms vs run
χ2 / ndf 4777 / 88
p0 348.7 ± 0.2687
400
380
360
340
320



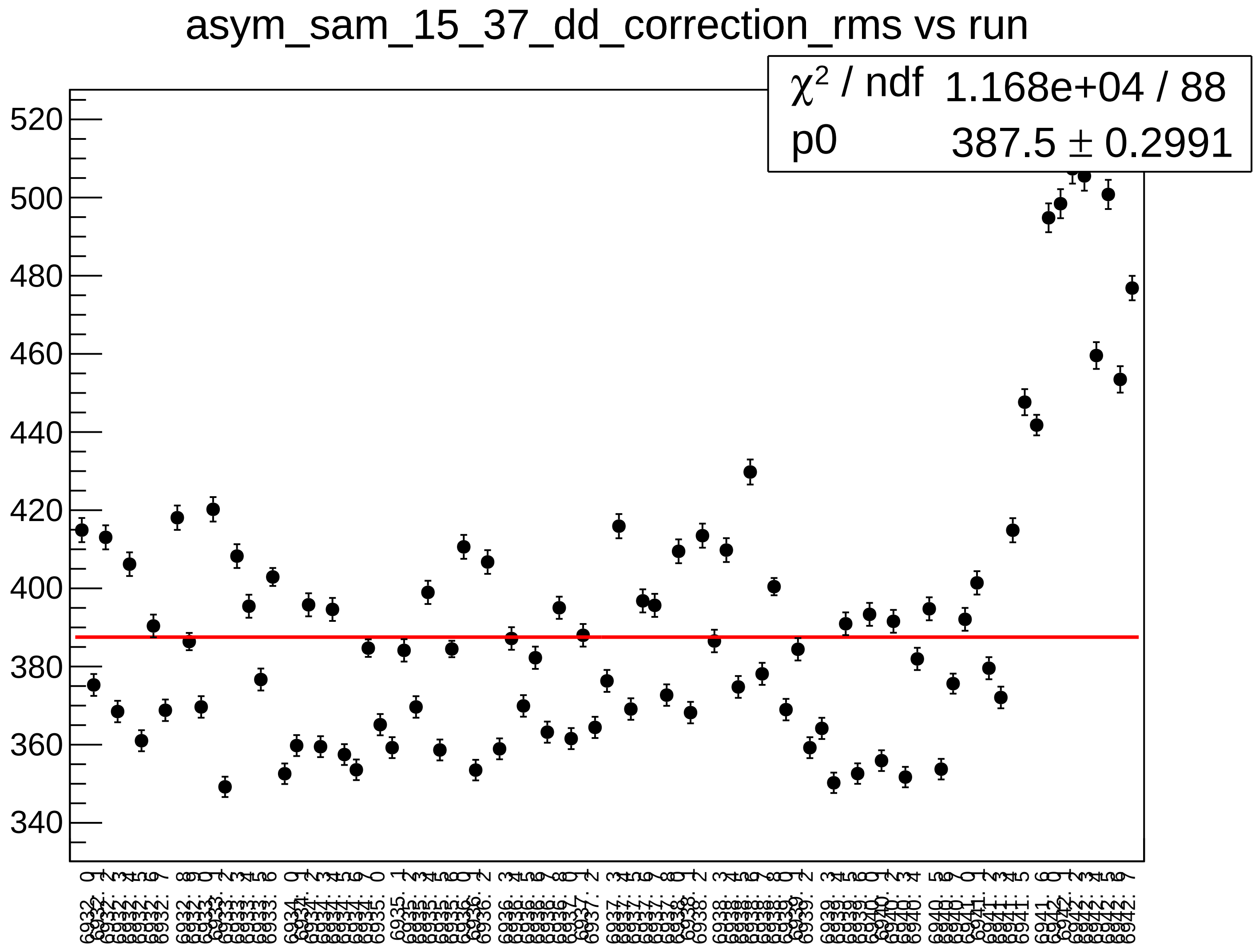
dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 84.23 / 88
p0 20.9 ± 47.79
pull
Entries 89
Mean 176
Std Dev 138.1
pull1D
Entries 89
Mean 0.008361
Std Dev 0.9728



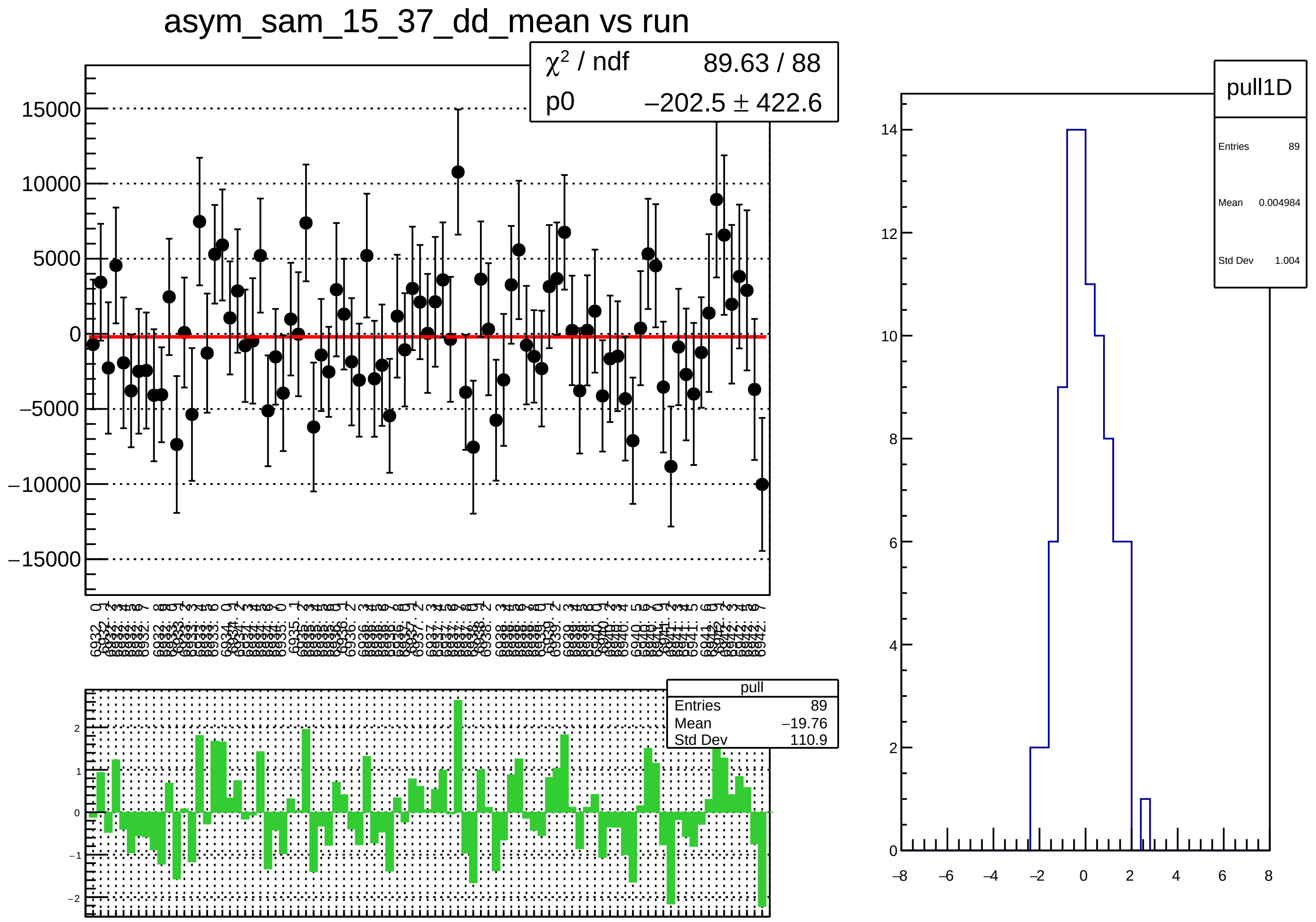
dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1892 / 88
p0 43.9 ± 0.03379
48
47
46
45
44
43
42
41



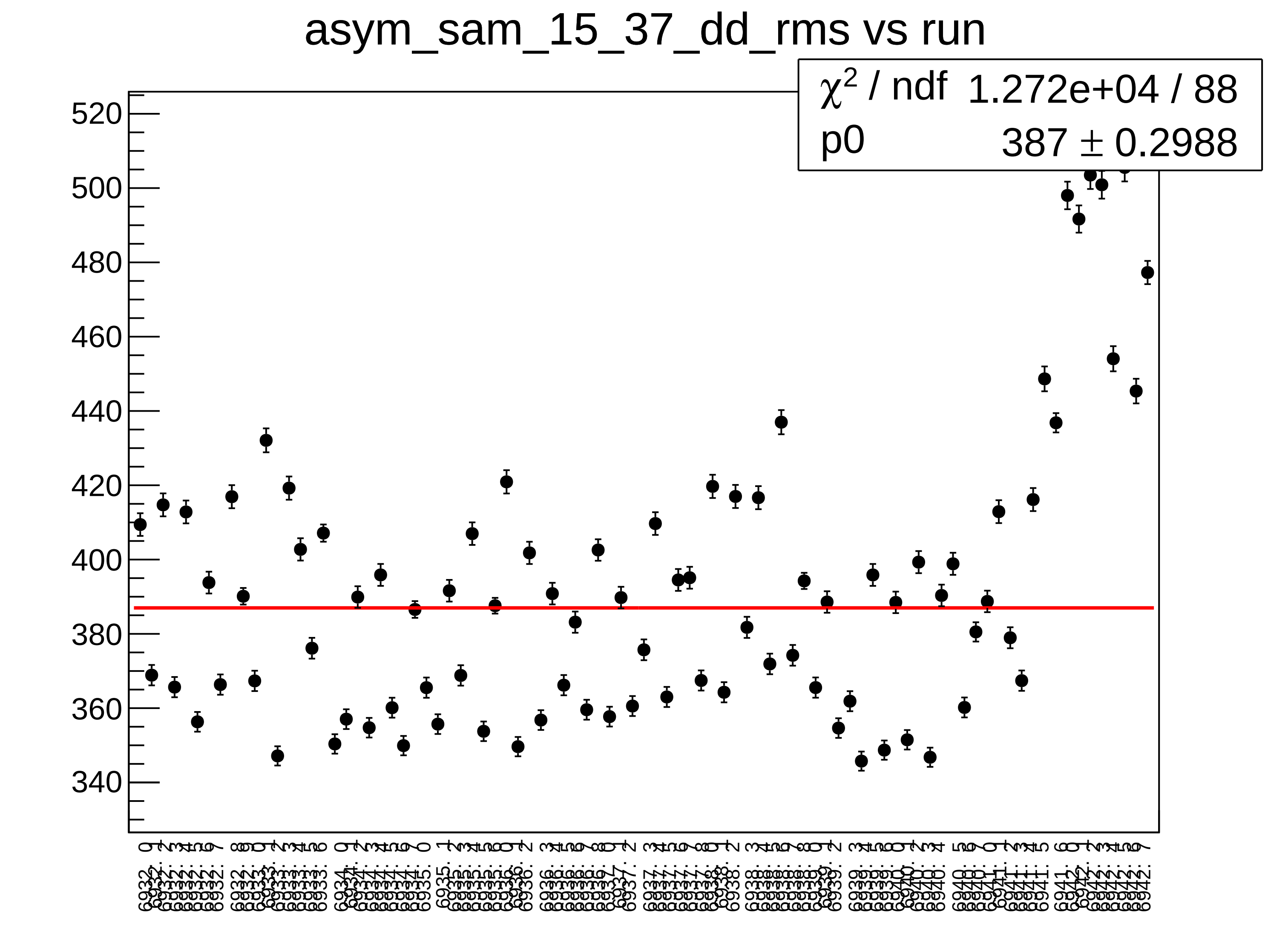
asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 90.51 / 88
p0 315.1 ± 423
pull
Entries 89
Mean −3.859
Std Dev 89.86
pull1D
Entries 89
Mean −0.006444
Std Dev 1.008



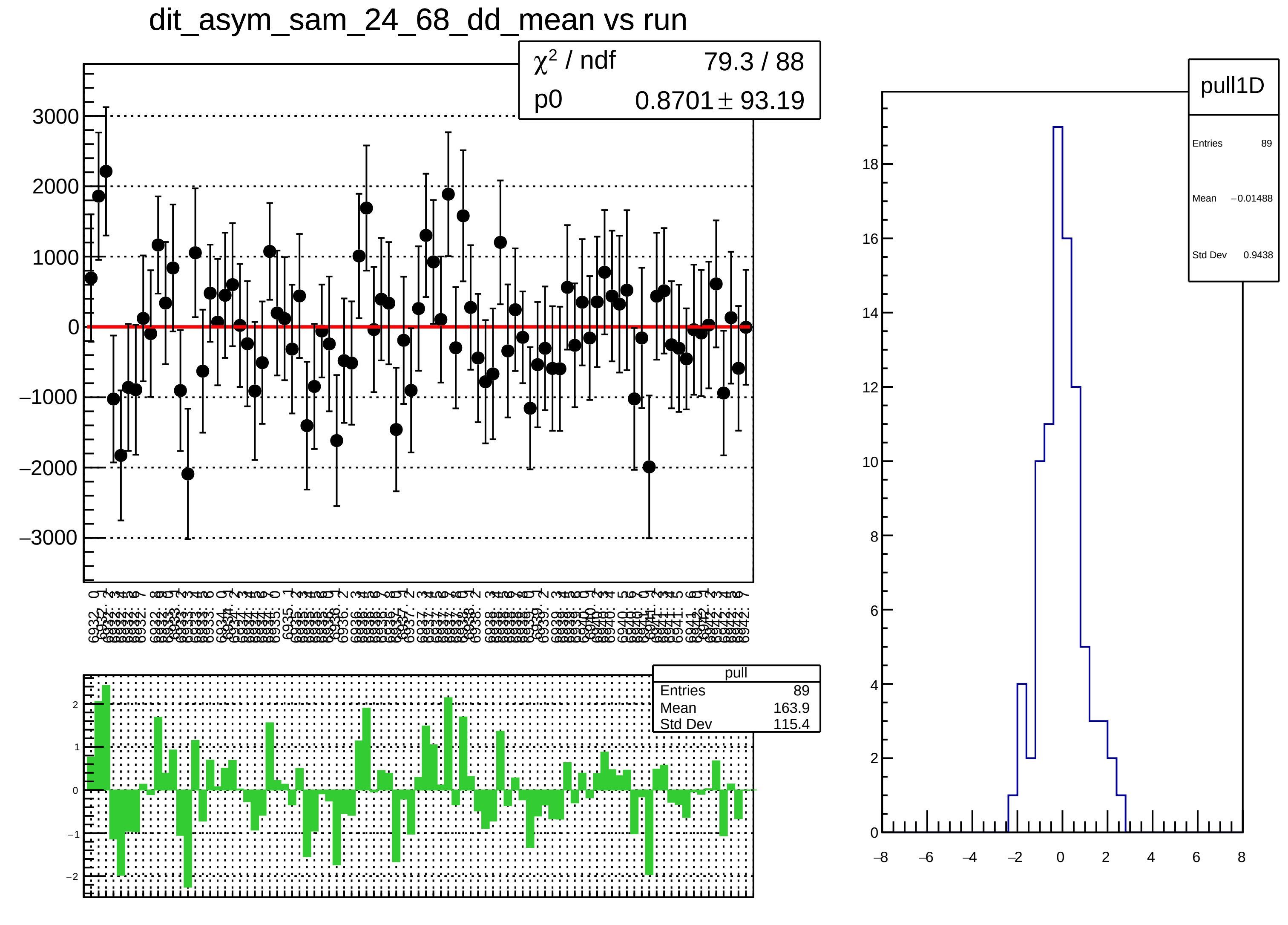
asym_sam_15_37_dd_correction_rms vs run
χ2 / ndf 1.168e+04 / 88
p0 387.5 ± 0.2991
520
500
480
460
440
420
400
380
360
340

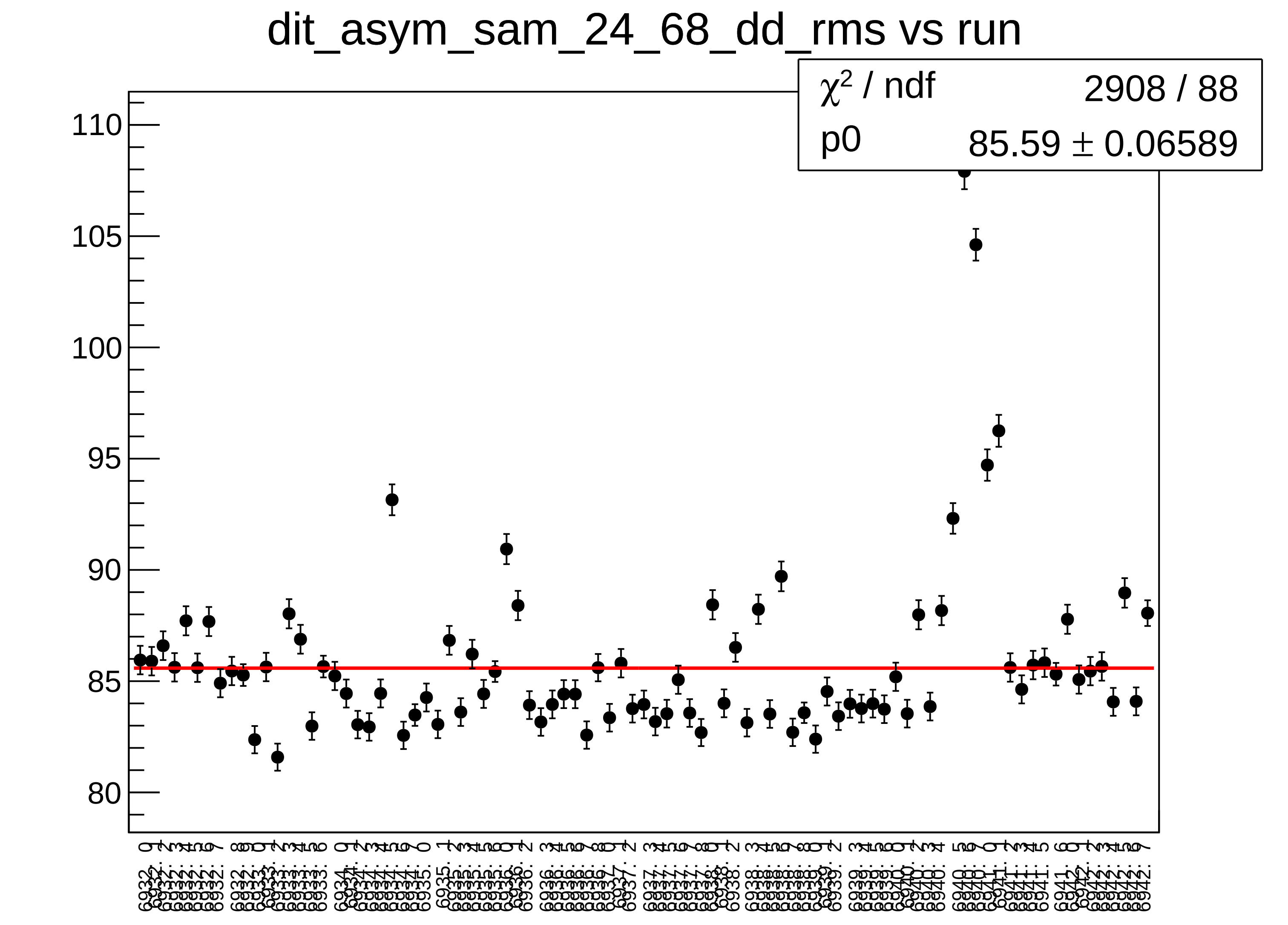


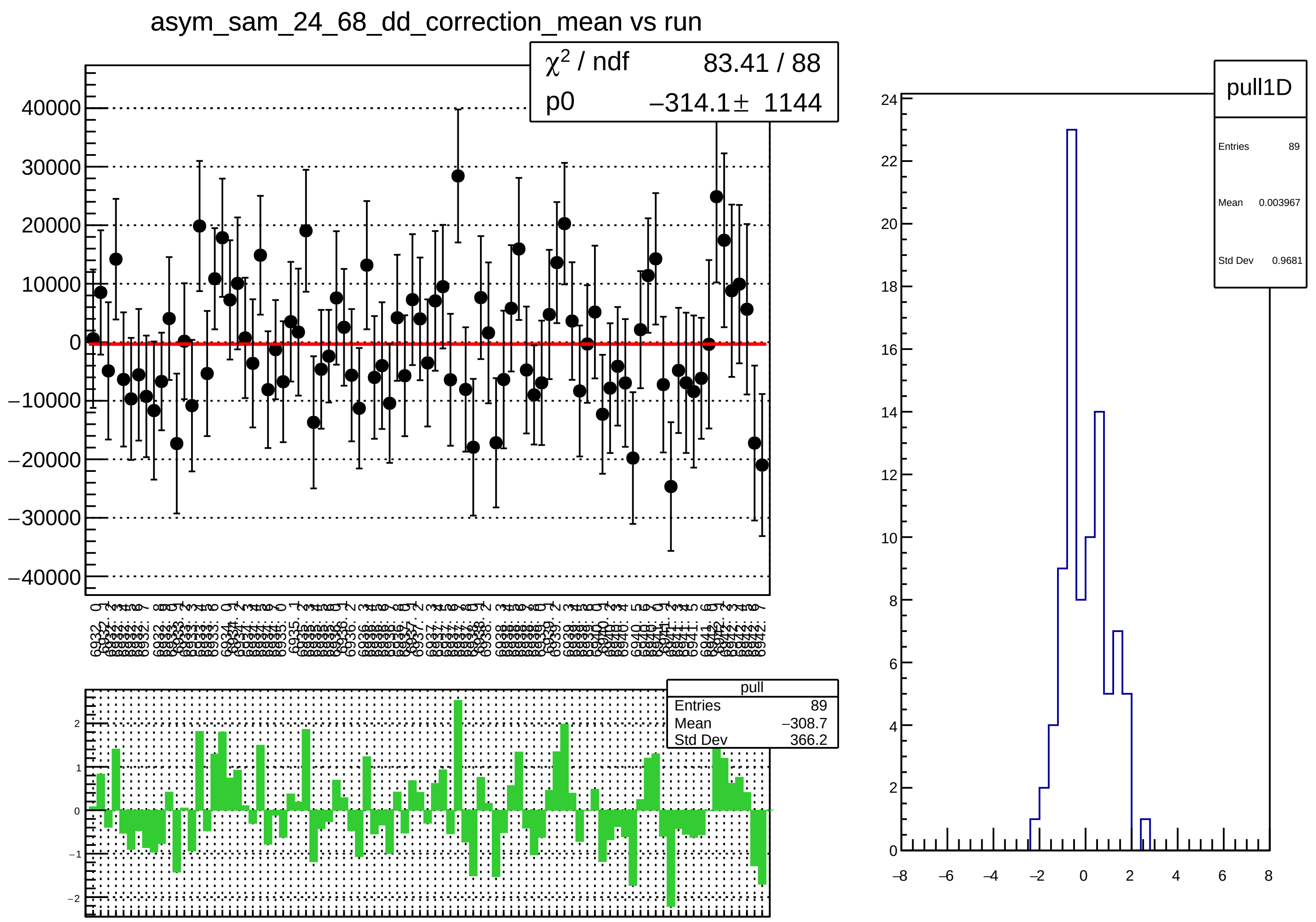
asym_sam_15_37_dd_mean vs run
χ2 / ndf 89.63 / 88
p0 −202.5 ± 422.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −19.76
Std Dev 110.9
pull1D
Entries 89
Mean 0.004984
Std Dev 1.004



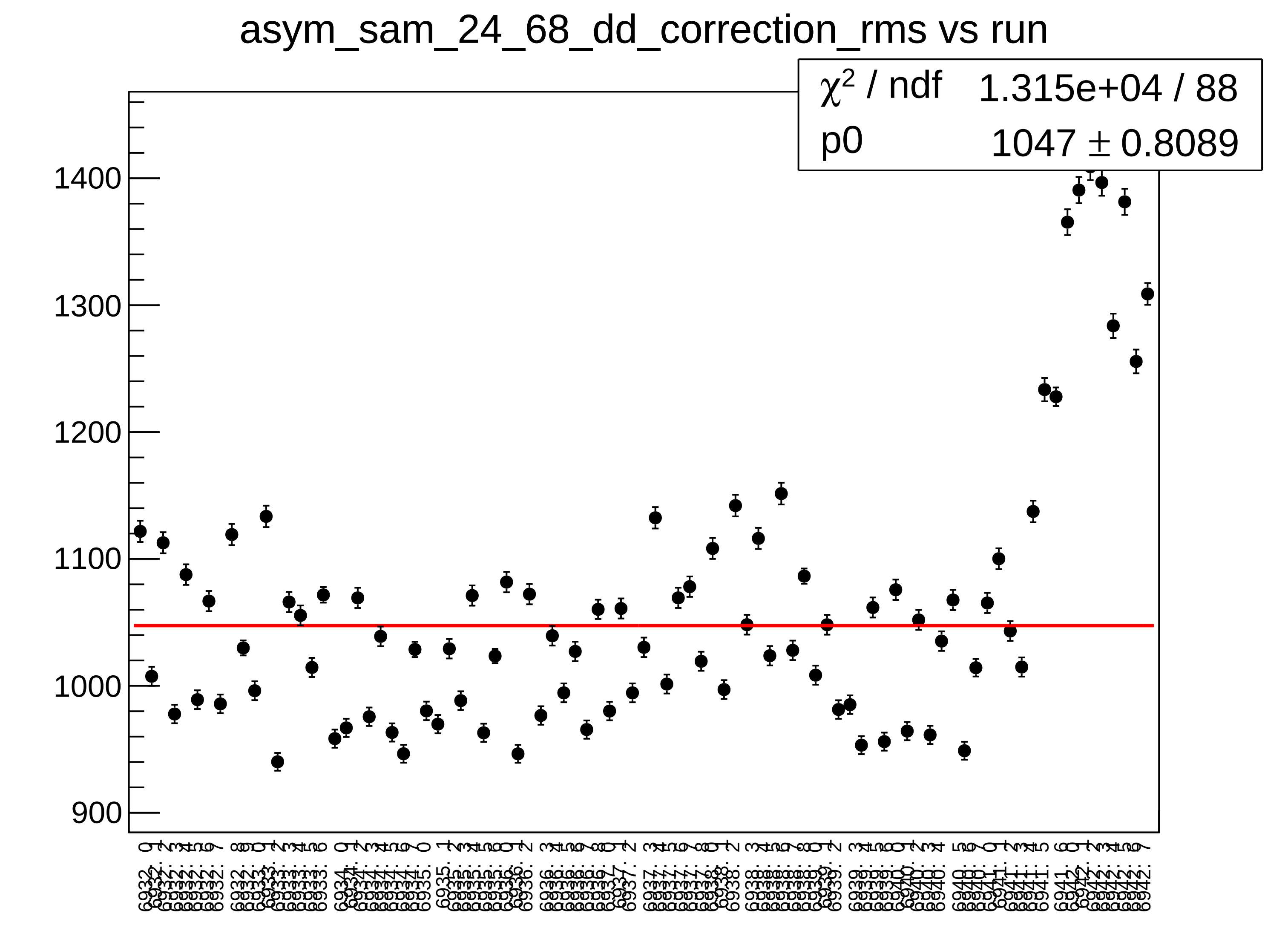
asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.272e+04 / 88
p0 387 ± 0.2988
520
500
480
460
440
420
400
380
360
340


dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 79.3 / 88
p0 0.8701 ± 93.19
pull
Entries 89
Mean 163.9
Std Dev 115.4
pull1D
Entries 89
Mean −0.01488
Std Dev 0.9438

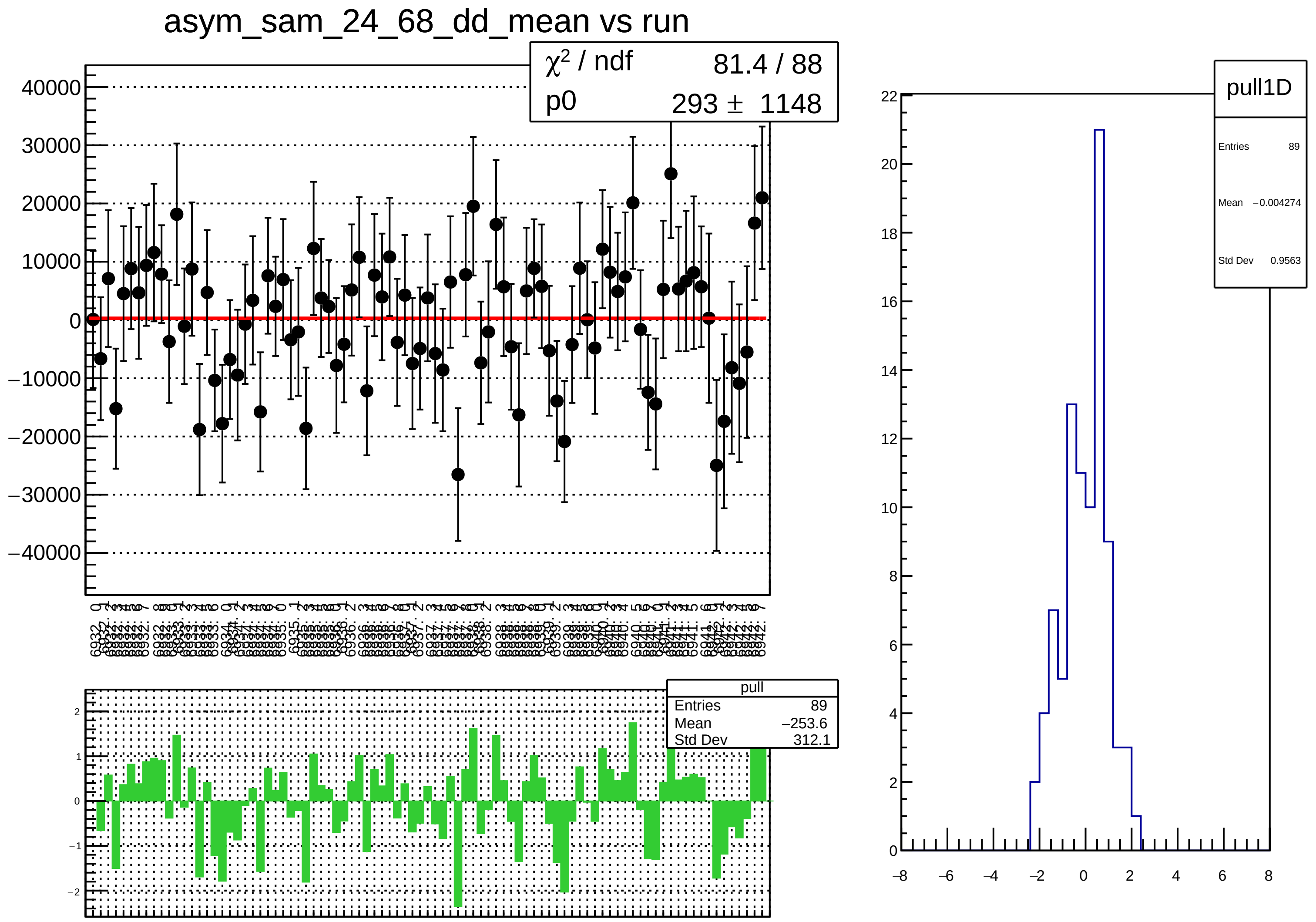

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2908 / 88
p0 85.59 ± 0.06589
110
105
100
95
90
85
80



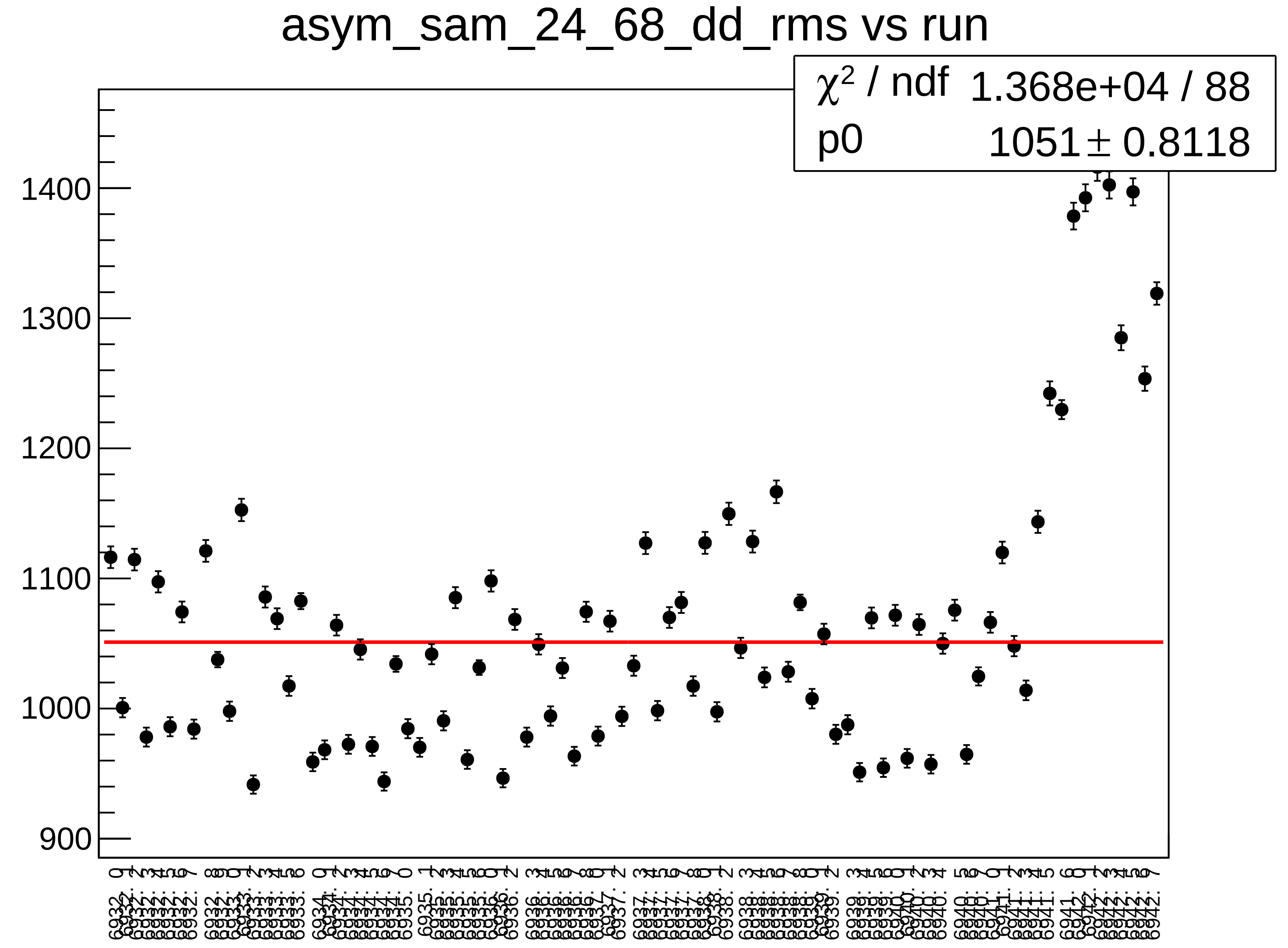
asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 83.41 / 88
p0 −314.1 ± 1144
pull
Entries 89
Mean −308.7
Std Dev 366.2
pull1D
Entries 89
Mean 0.003967
Std Dev 0.9681

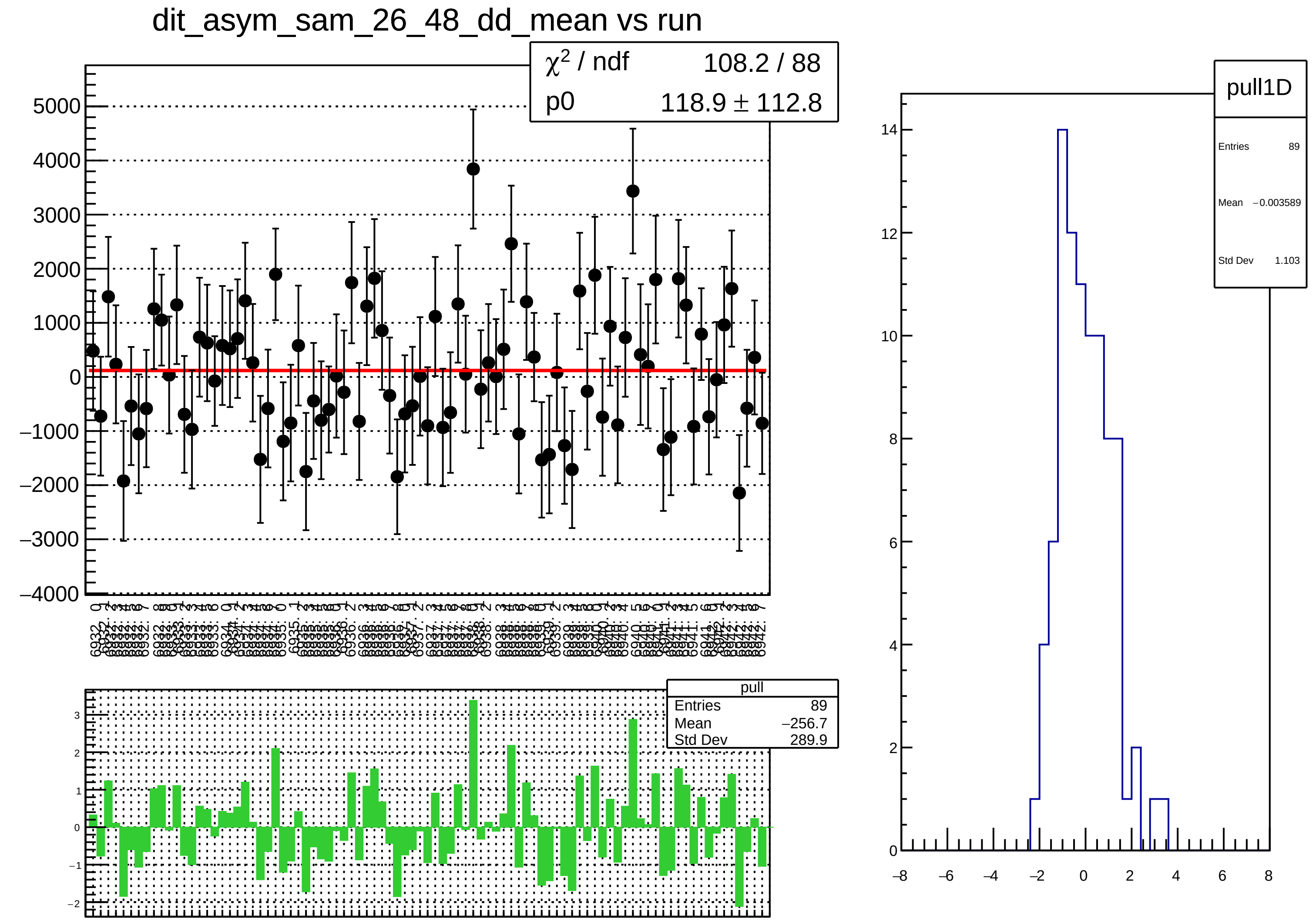


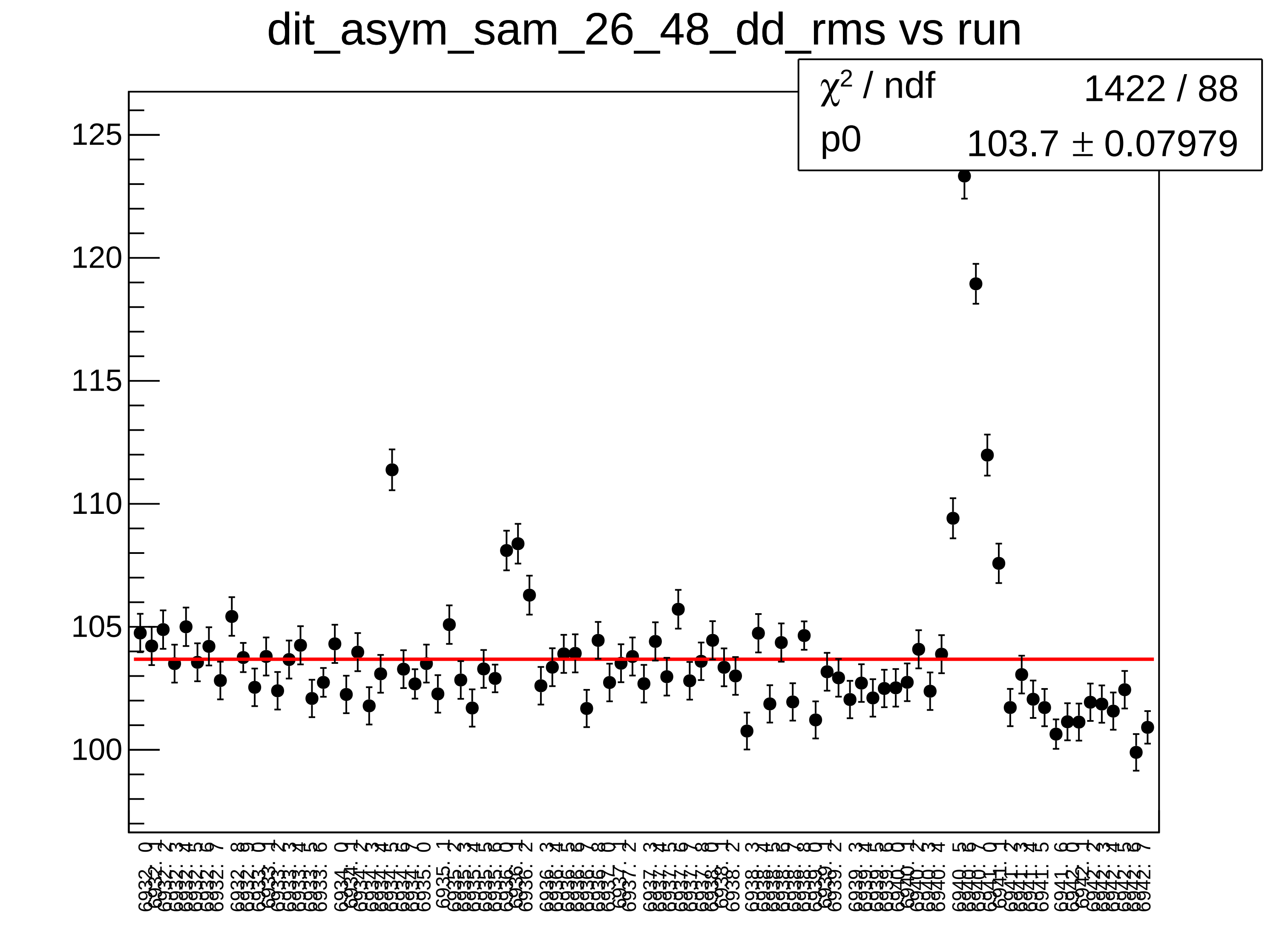
asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 1.315e+04 / 88
p0 1047 ± 0.8089
1400
1300
1200
1100
1000
900

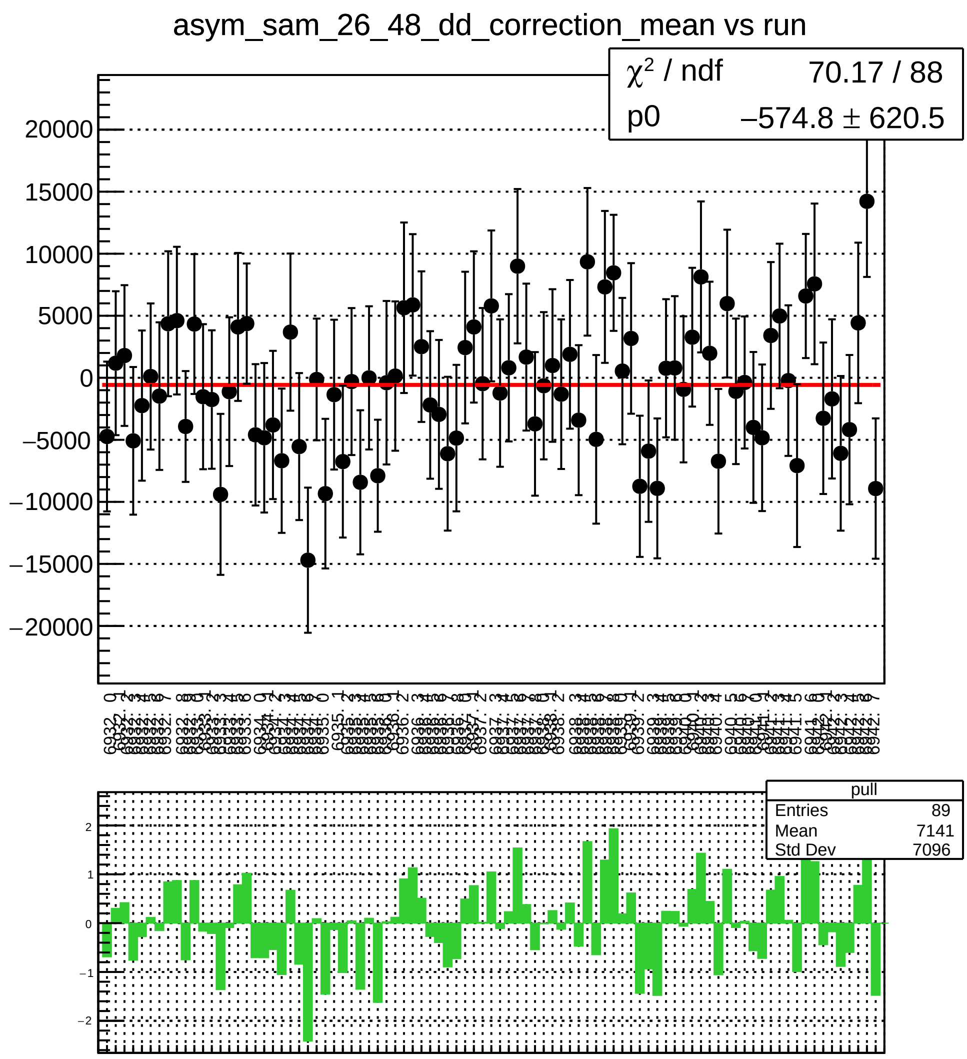


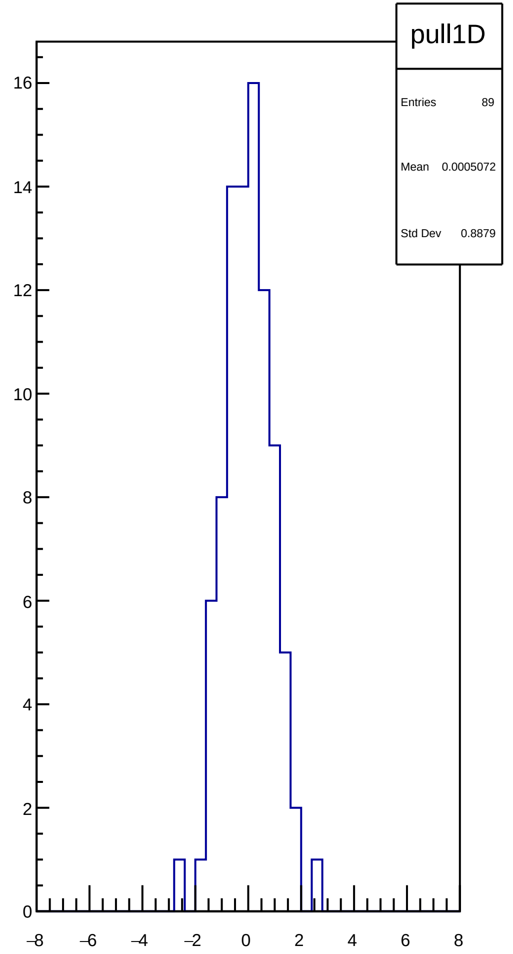
asym_sam_24_68_dd_mean vs run
χ^2 / ndf 81.4 / 88
p0 293 ± 1148
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean −253.6
Std Dev 312.1
pull1D
Entries 89
Mean −0.004274
Std Dev 0.9563

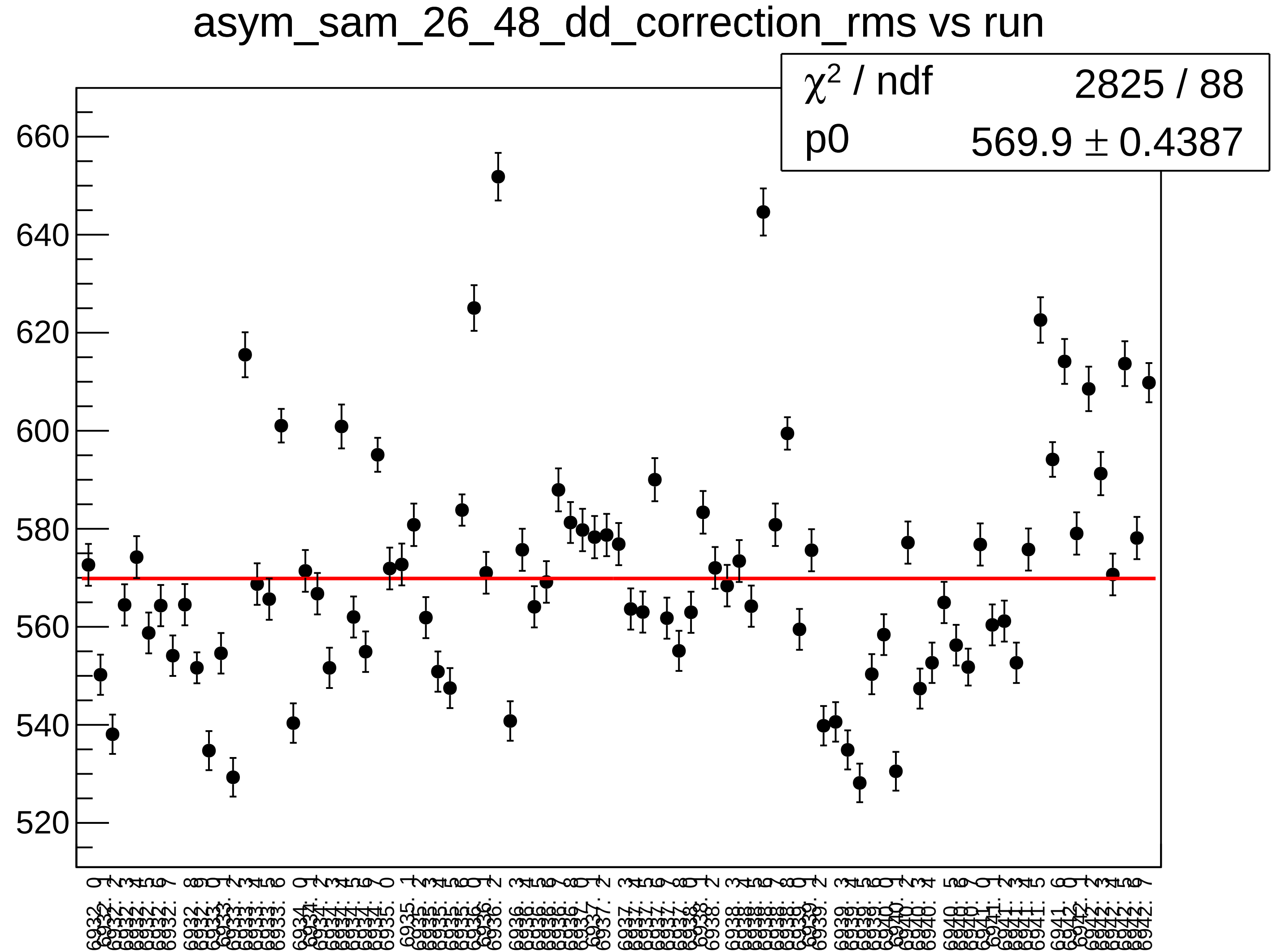

asym_sam_24_68_dd_rms vs run
χ2 / ndf 1.368e+04 / 88
p0 1051 ± 0.8118
1400
1300
1200
1100
1000
900

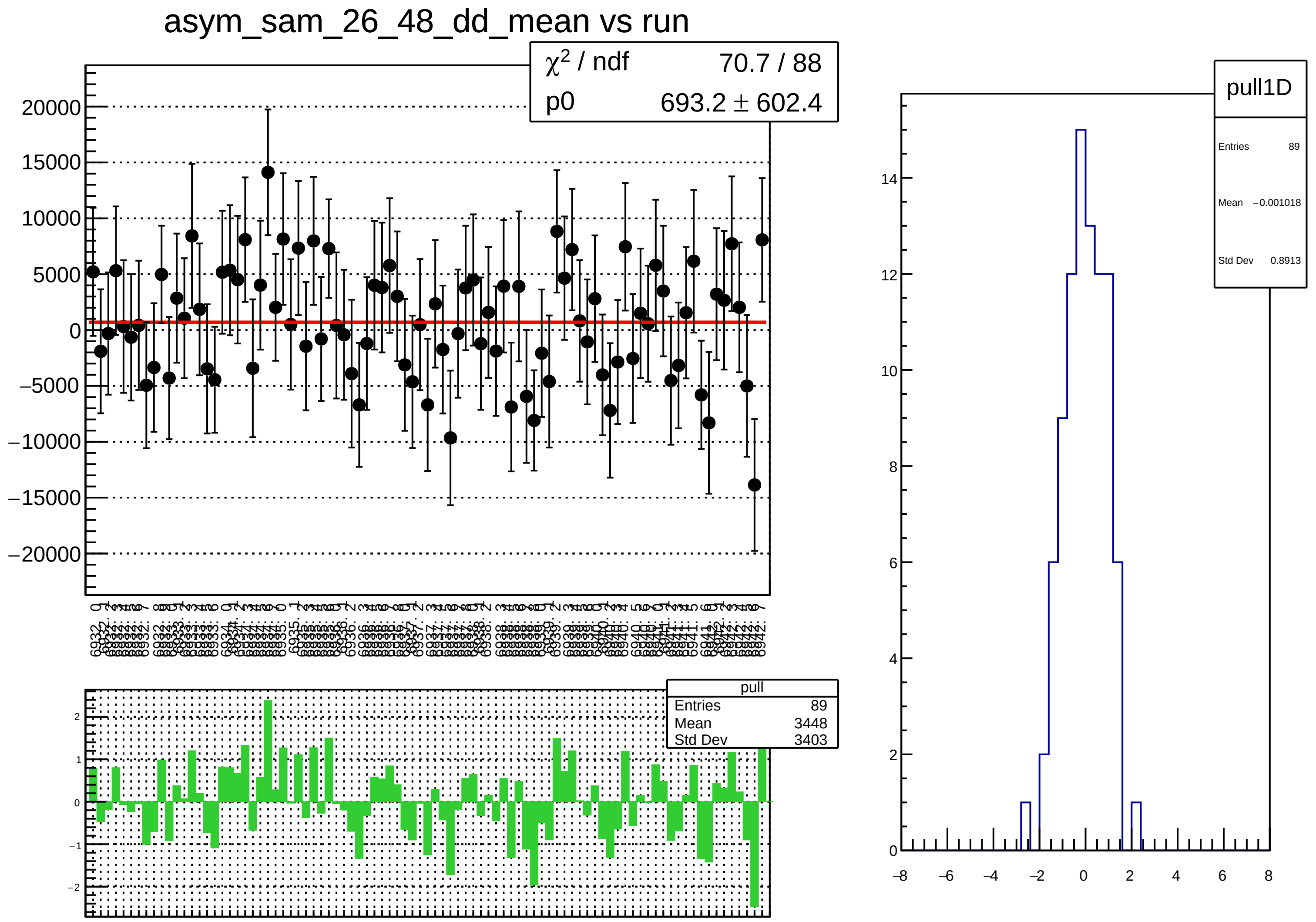

dit_asym_sam_26_48_dd_mean vs run
χ2 / ndf 108.2 / 88
p0 118.9 ± 112.8
pull
Entries 89
Mean −256.7
Std Dev 289.9
pull1D
Entries 89
Mean −0.003589
Std Dev 1.103


dit_asym_sam_26_48_dd_rms vs run
χ2 / ndf 1422 / 88
p0 103.7 ± 0.07979
125
120
115
110
105
100

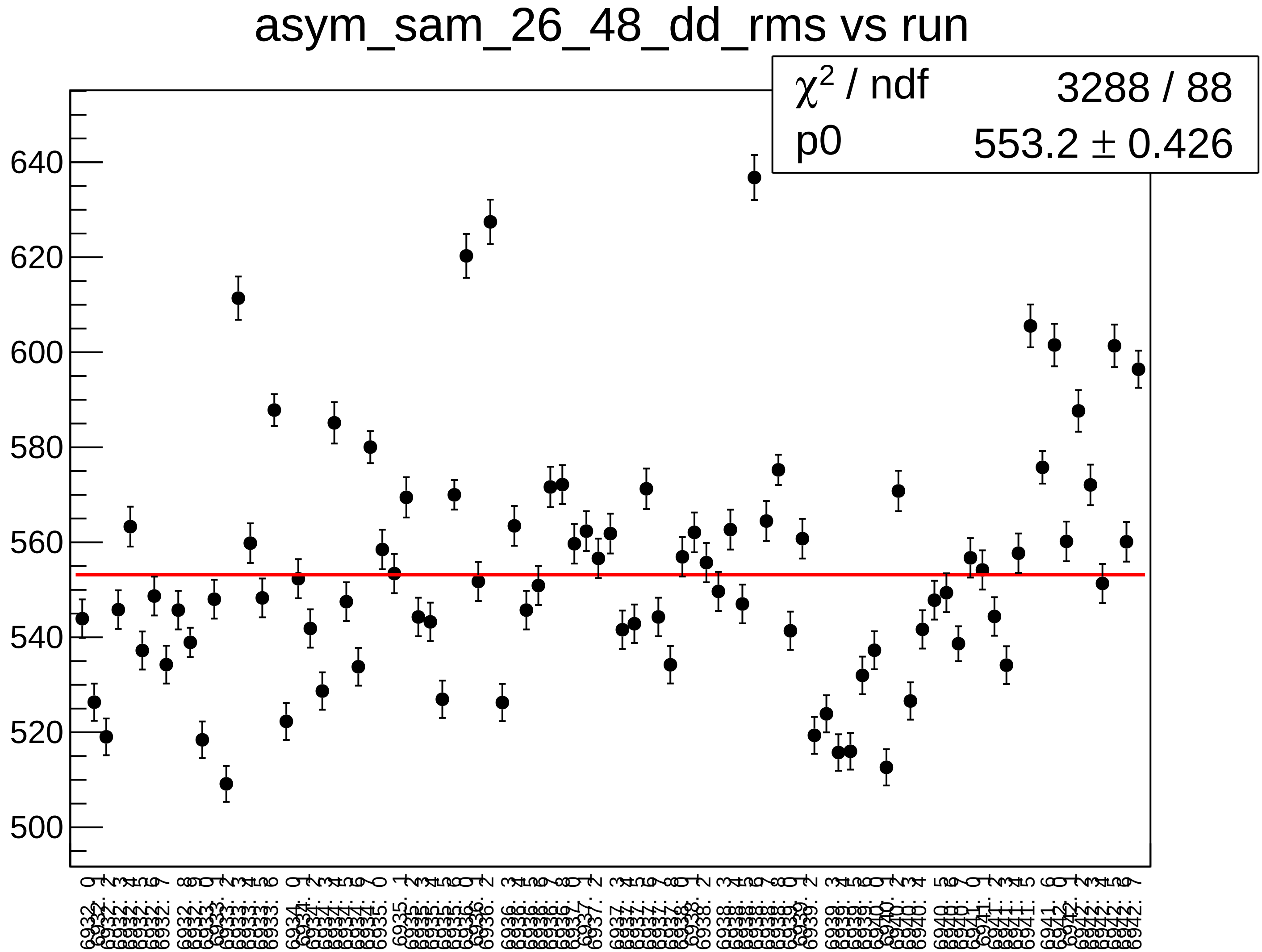

asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 70.17 / 88
p0 −574.8 ± 620.5
pull
Entries 89
Mean 7141
Std Dev 7096


pull1D
Entries 89
Mean 0.0005072
Std Dev 0.8879

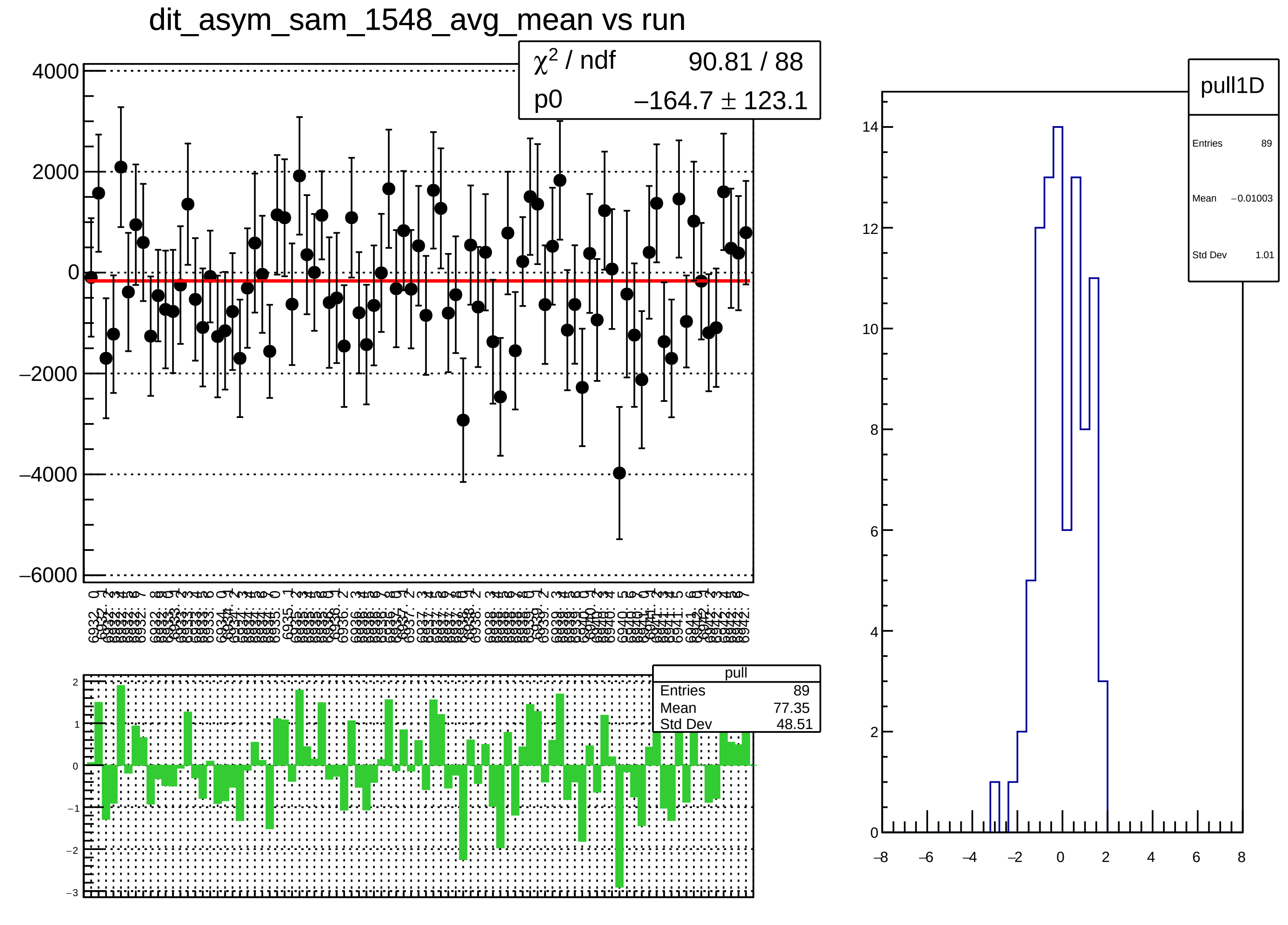

asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 2825 / 88
p0 569.9 ± 0.4387
660
640
620
600
580
560
540
520



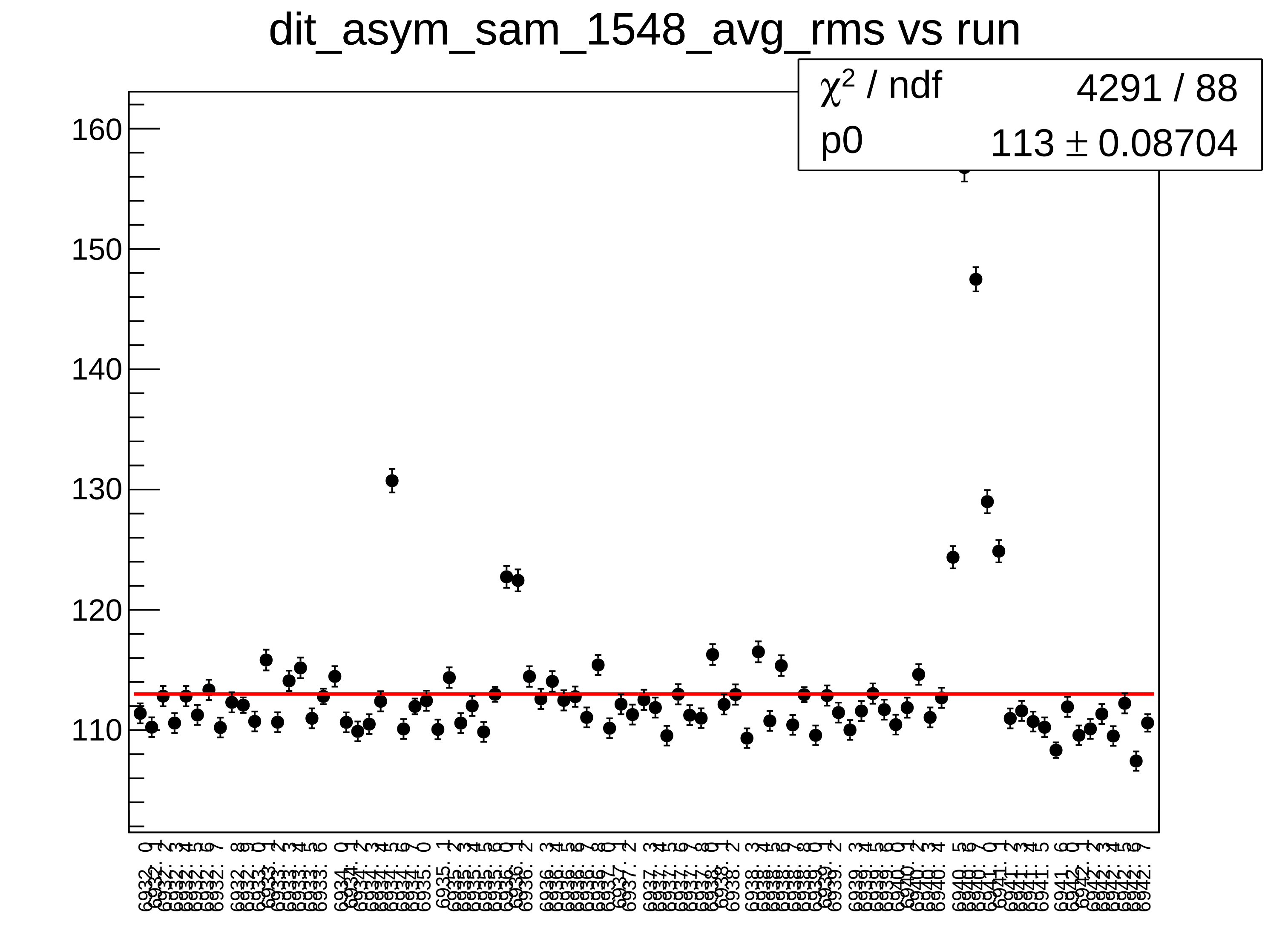
asym_sam_26_48_dd_mean vs run
χ^2 / ndf 70.7 / 88
p0 693.2 ± 602.4
pull
Entries 89
Mean 3448
Std Dev 3403
pull1D
Entries 89
Mean −0.001018
Std Dev 0.8913



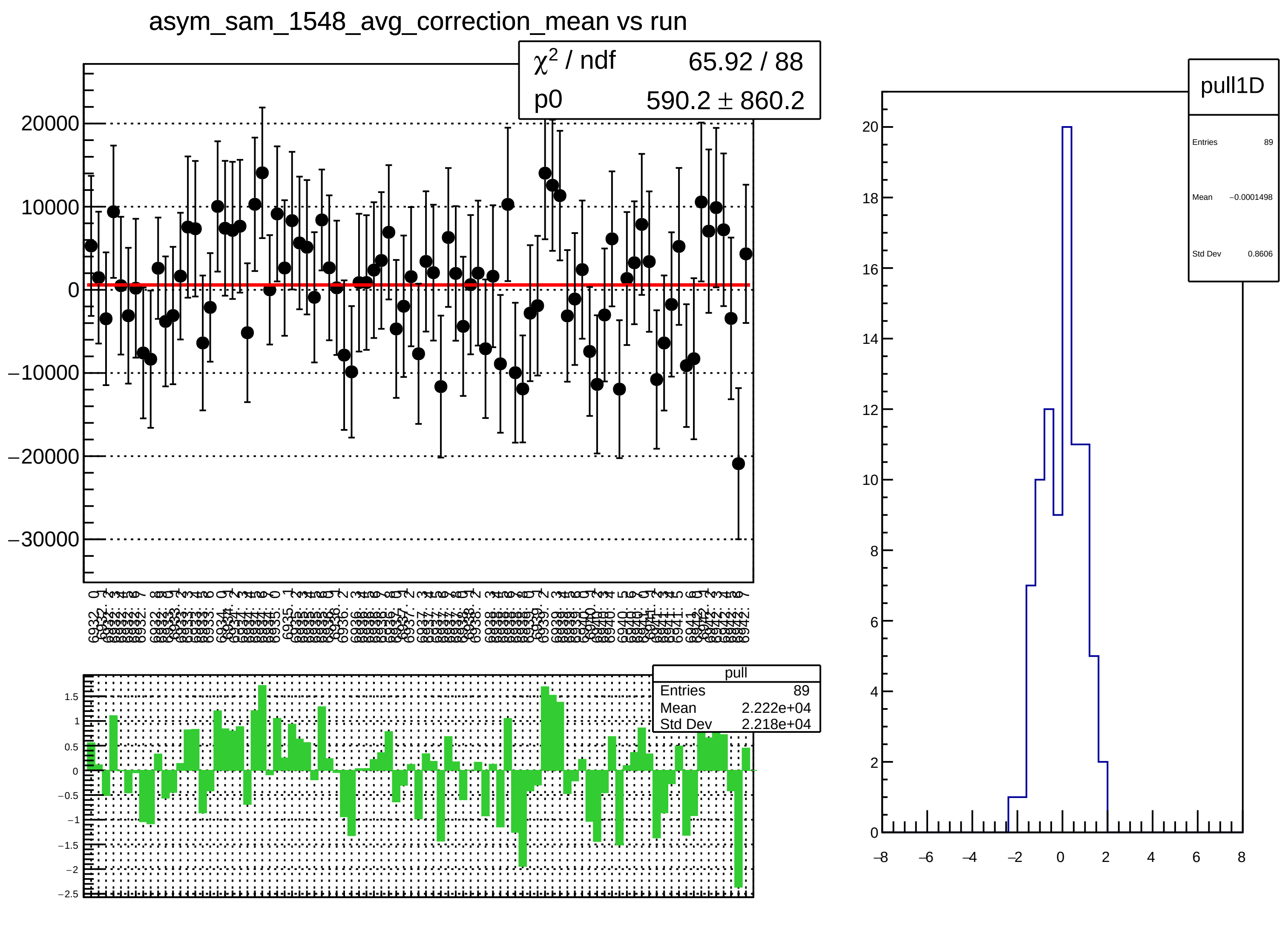
asym_sam_26_48_dd_rms vs run
χ2 / ndf 3288 / 88
p0 553.2 ± 0.426
640
620
600
580
560
540
520
500



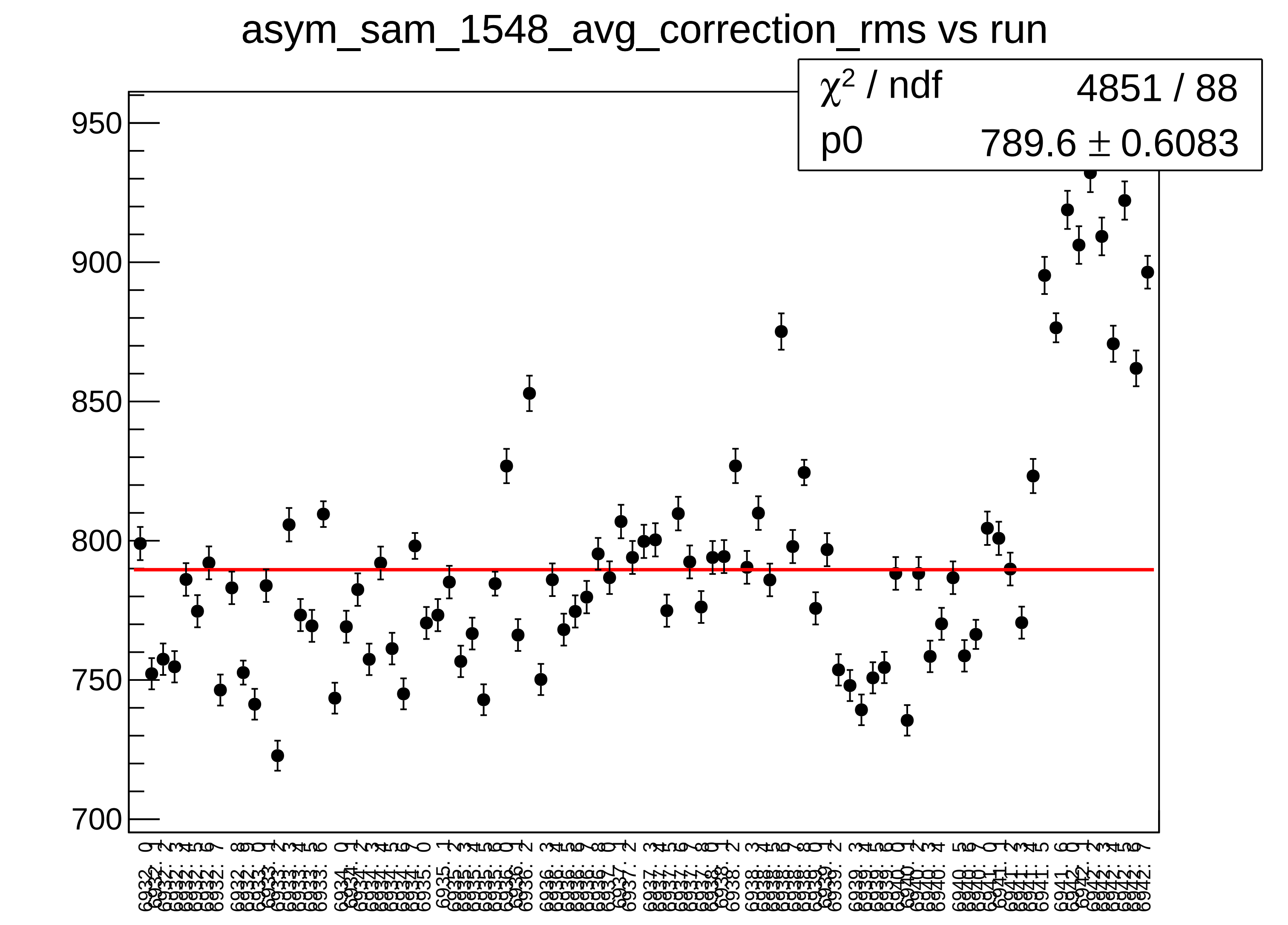
dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 90.81 / 88
p0 −164.7 ± 123.1
pull
Entries 89
Mean 77.35
Std Dev 48.51
pull1D
Entries 89
Mean −0.01003
Std Dev 1.01

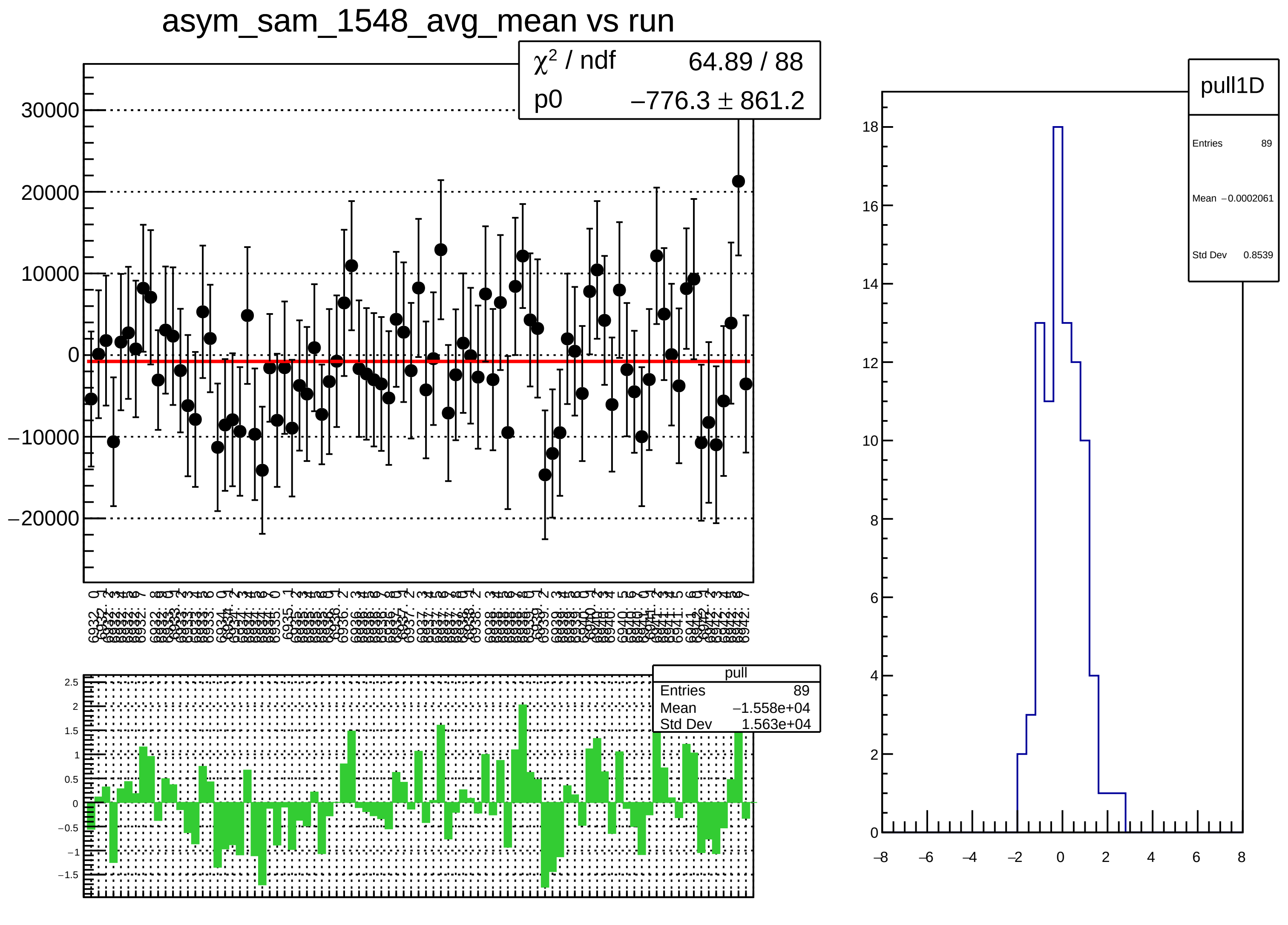


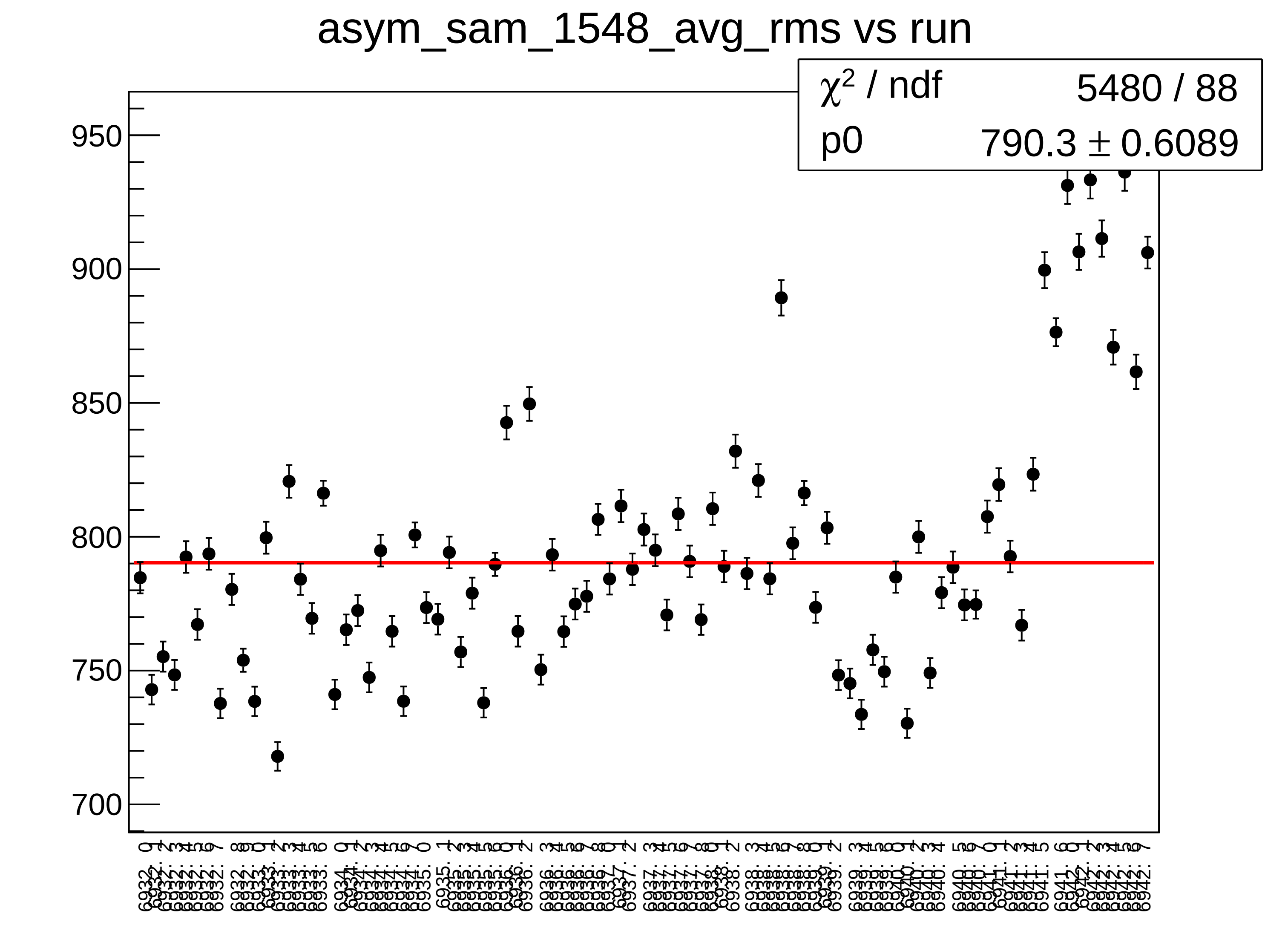
dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 4291 / 88
p0 113 ± 0.08704
160
150
140
130
120
110



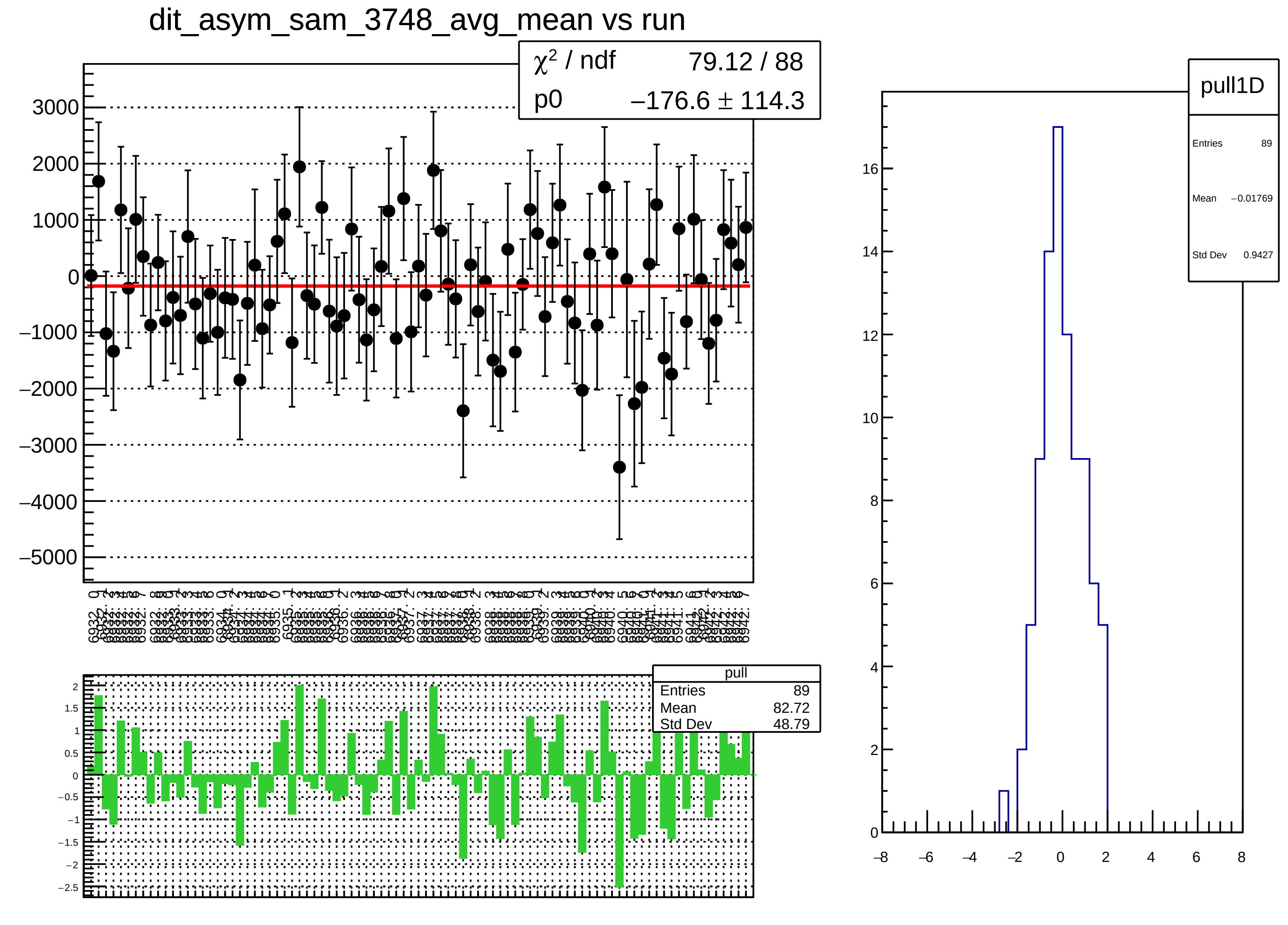
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 65.92 / 88
p0 590.2 ± 860.2
pull
Entries 89
Mean 2.222e+04
Std Dev 2.218e+04
pull1D
Entries 89
Mean −0.0001498
Std Dev 0.8606


asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 4851 / 88
p0 789.6 ± 0.6083
950
900
850
800
750
700

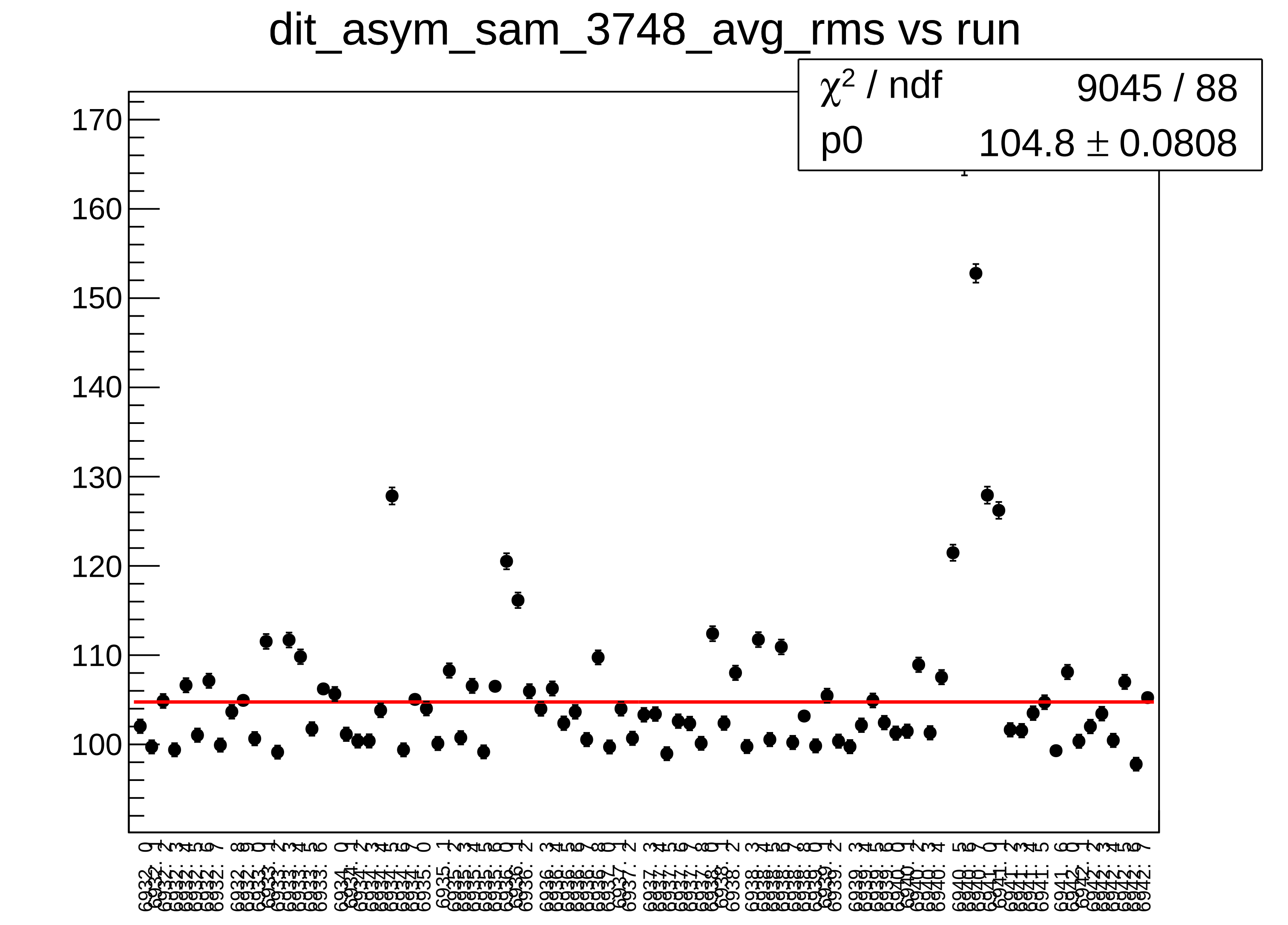

asym_sam_1548_avg_mean vs run
χ^2 / ndf 64.89 / 88
p0 −776.3 ± 861.2
pull
Entries 89
Mean −1.558e+04
Std Dev 1.563e+04
pull1D
Entries 89
Mean −0.0002061
Std Dev 0.8539



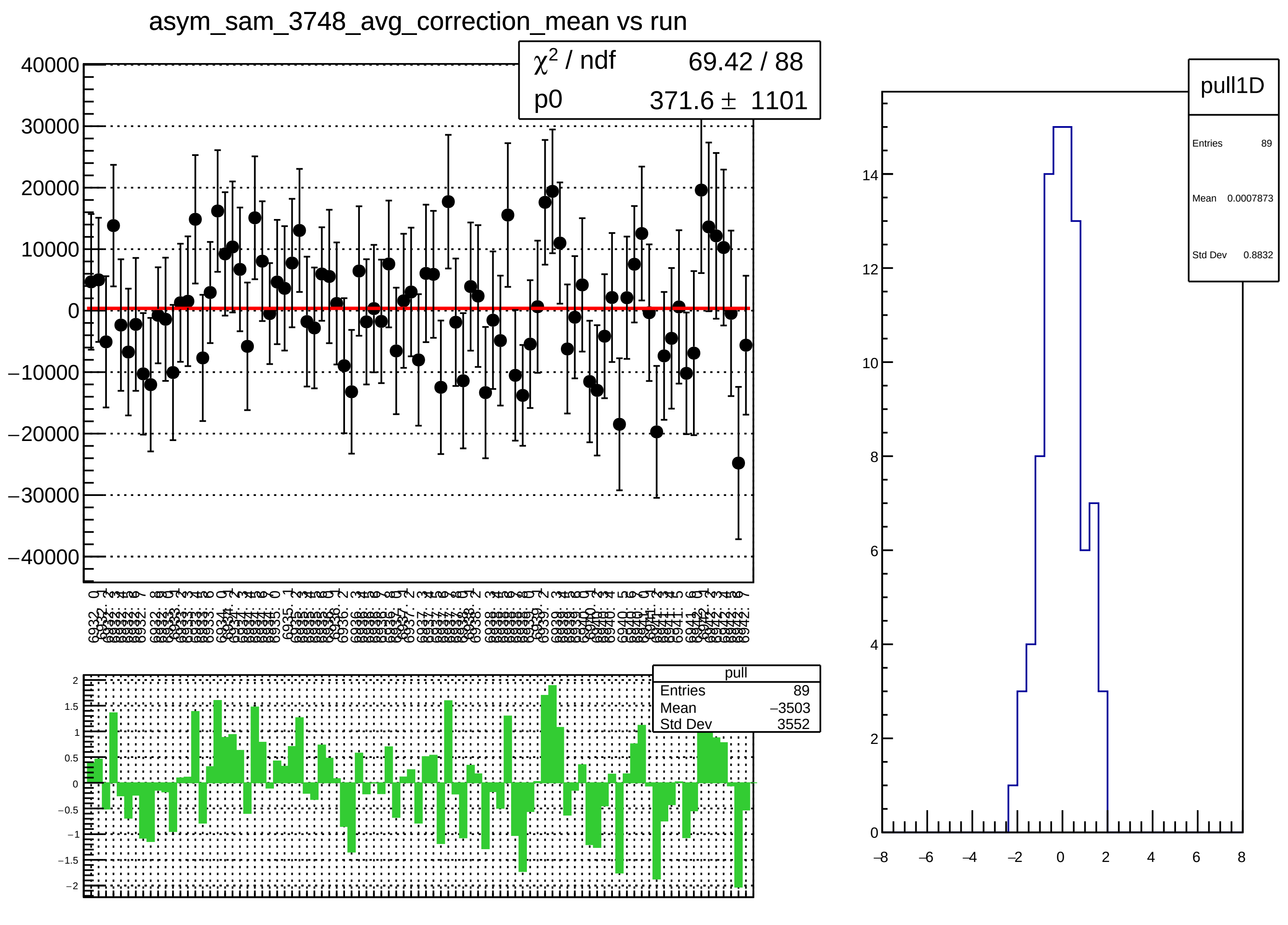
asym_sam_1548_avg_rms vs run
χ^2 / ndf 5480 / 88
p0 790.3 ± 0.6089
950
900
850
800
750
700



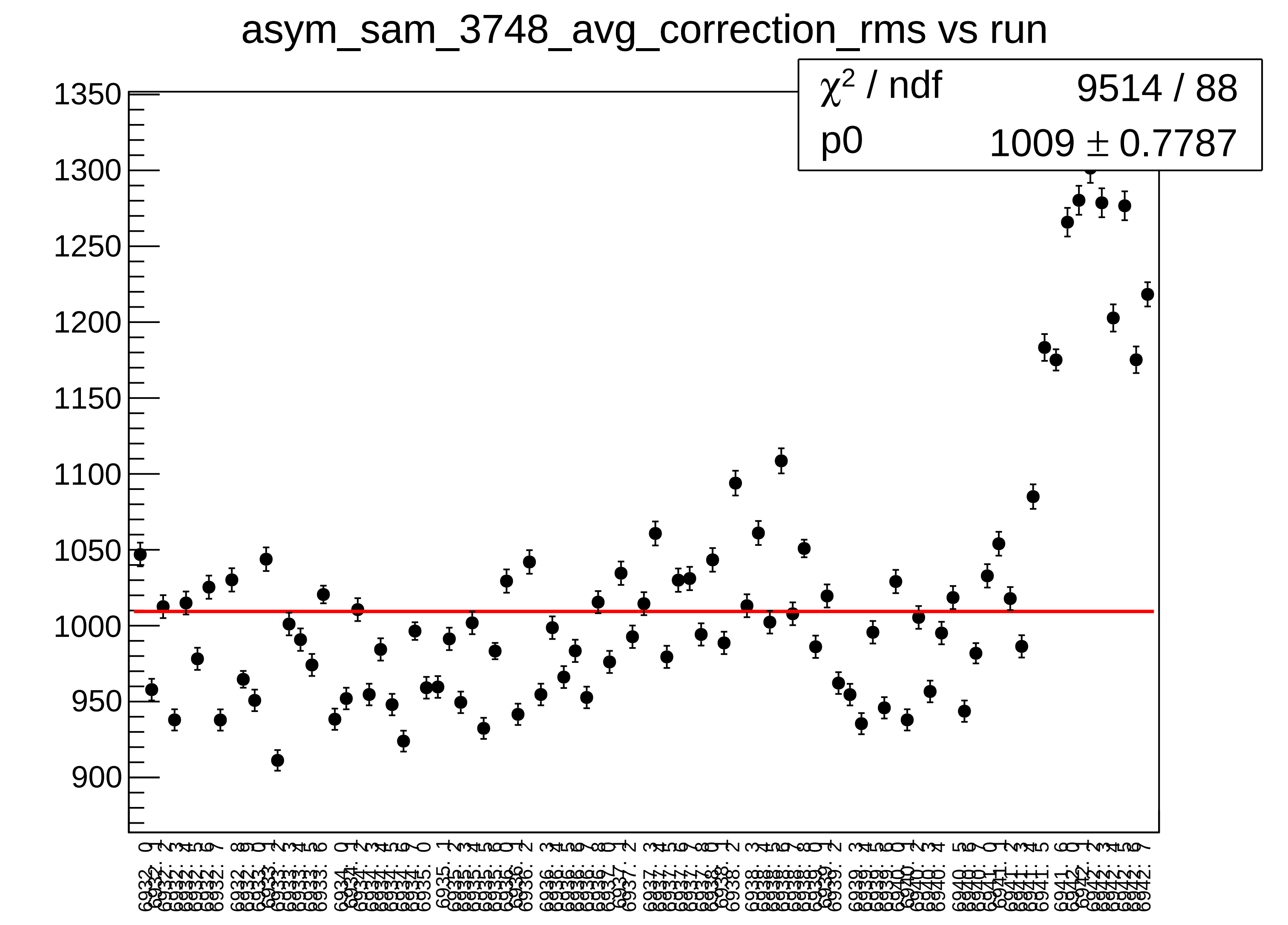
dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 79.12 / 88
p0 −176.6 ± 114.3
pull
Entries 89
Mean 82.72
Std Dev 48.79
pull1D
Entries 89
Mean −0.01769
Std Dev 0.9427

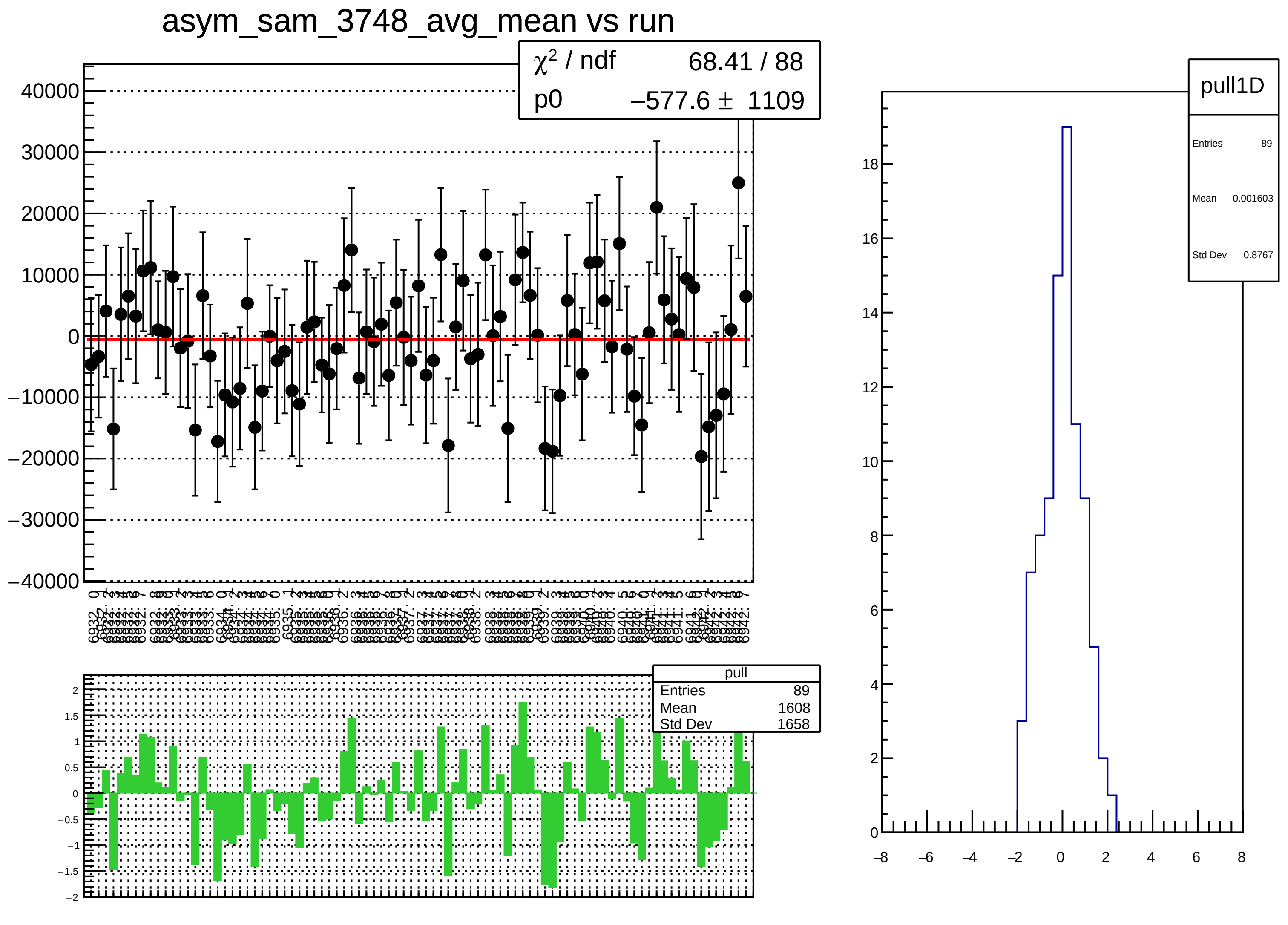


dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 9045 / 88
p0 104.8 ± 0.0808
170
160
150
140
130
120
110
100

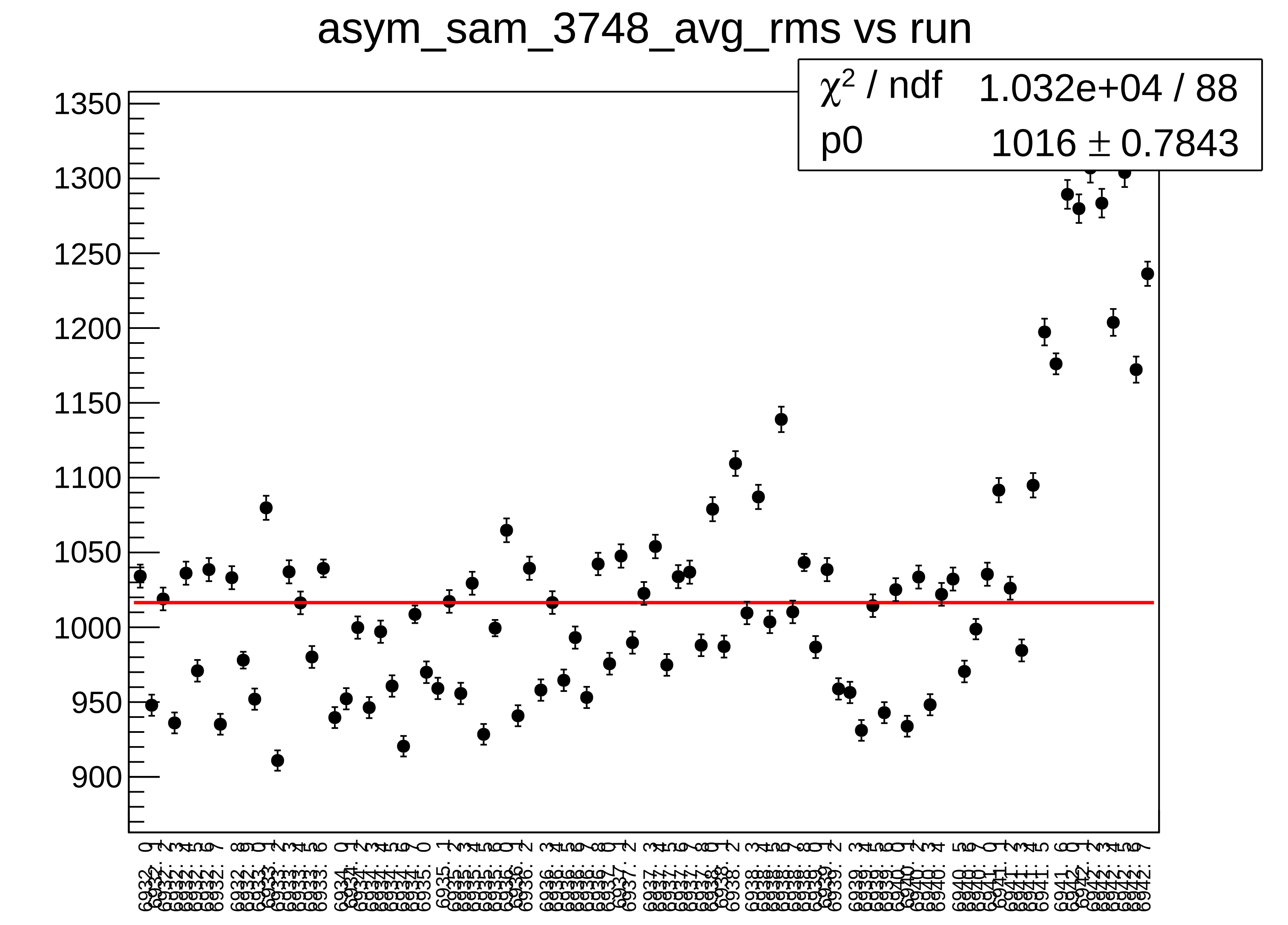


asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 69.42 / 88
p0 371.6 ± 1101
pull
Entries 89
Mean −3503
Std Dev 3552
pull1D
Entries 89
Mean 0.0007873
Std Dev 0.8832

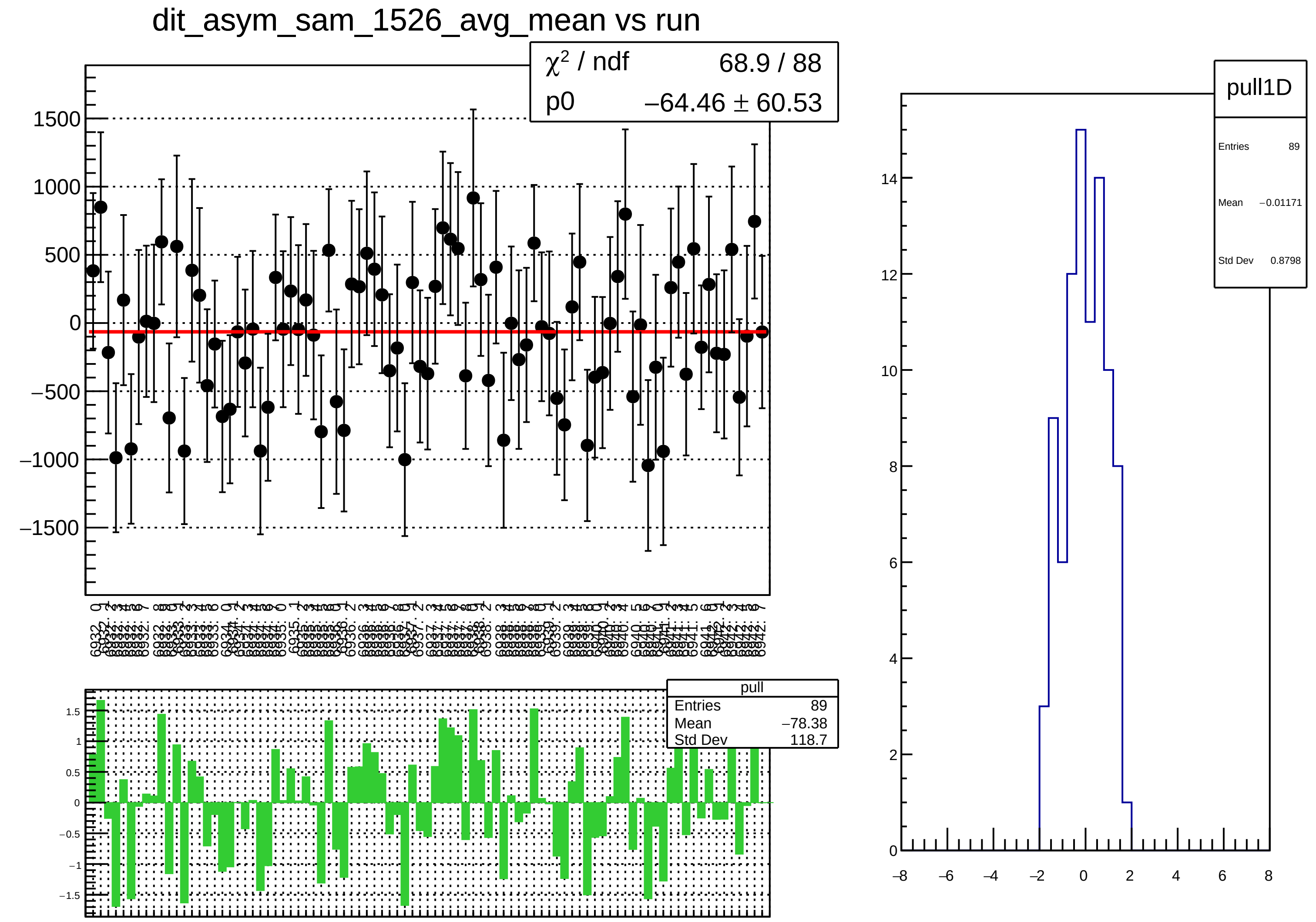

asym_sam_3748_avg_correction_rms vs run
χ2 / ndf 9514 / 88
p0 1009 ± 0.7787
1350
1300
1250
1200
1150
1100
1050
1000
950
900

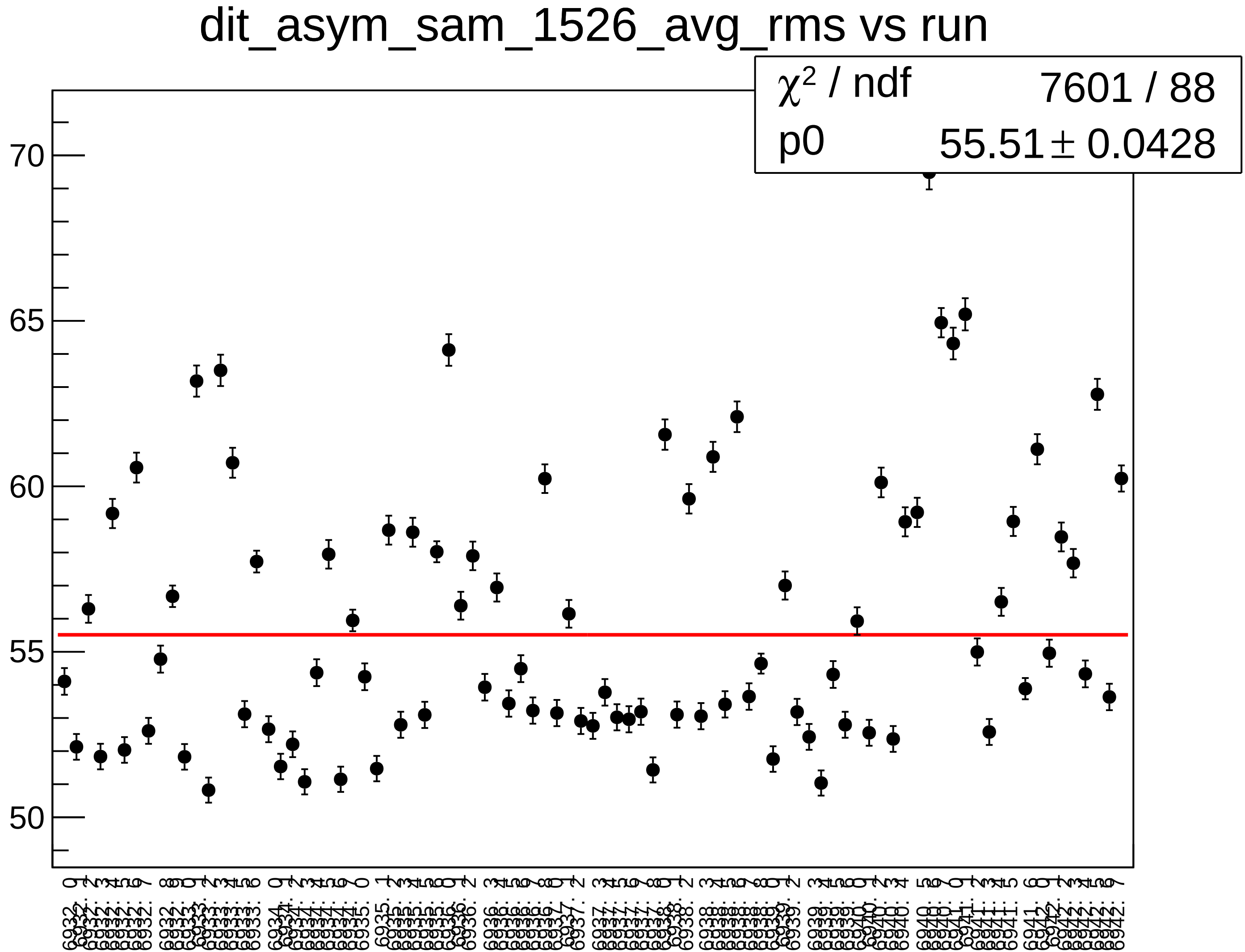


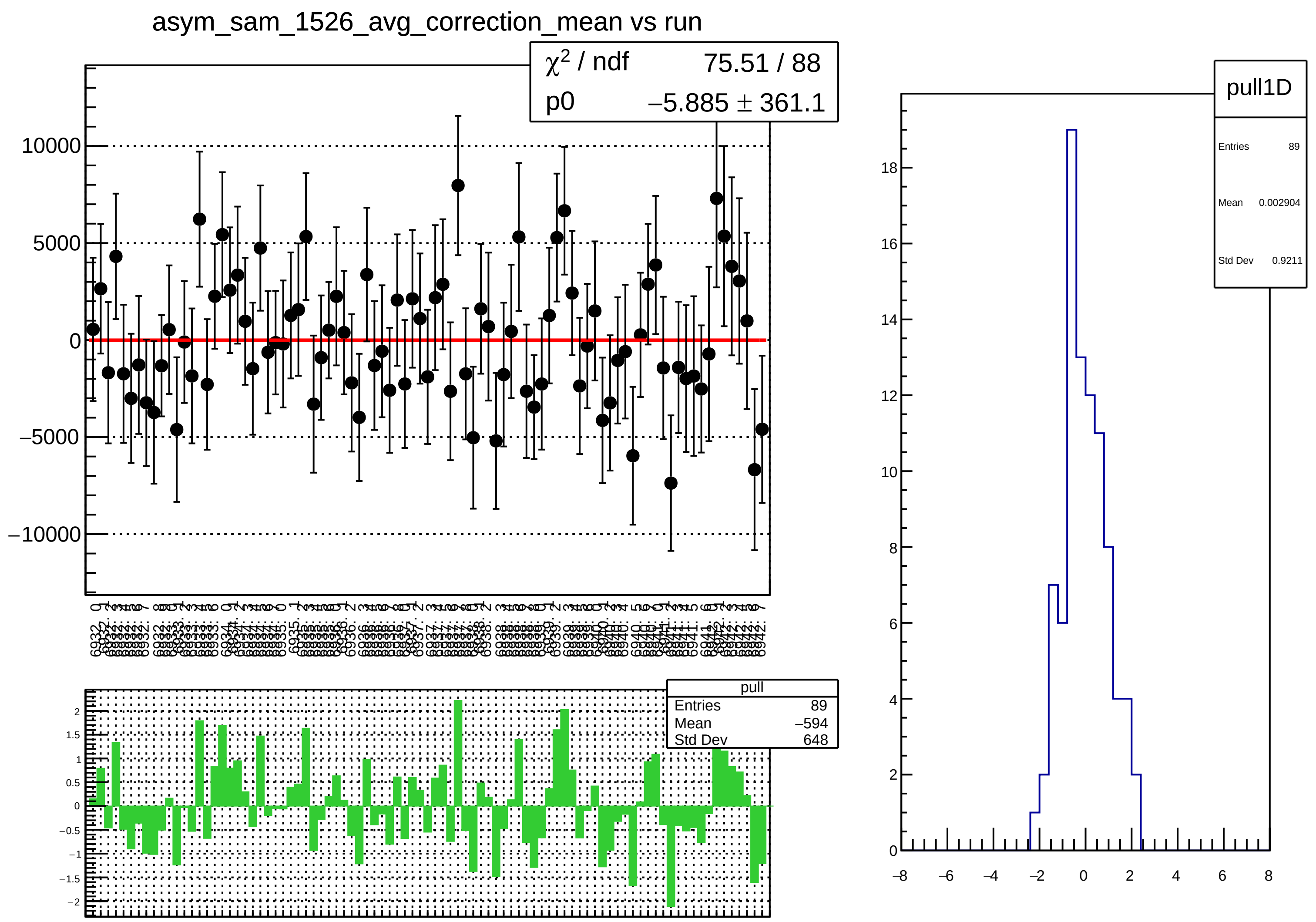
asym_sam_3748_avg_mean vs run
χ^2 / ndf 68.41 / 88
p0 −577.6 ± 1109
pull
Entries 89
Mean −1608
Std Dev 1658
pull1D
Entries 89
Mean −0.001603
Std Dev 0.8767

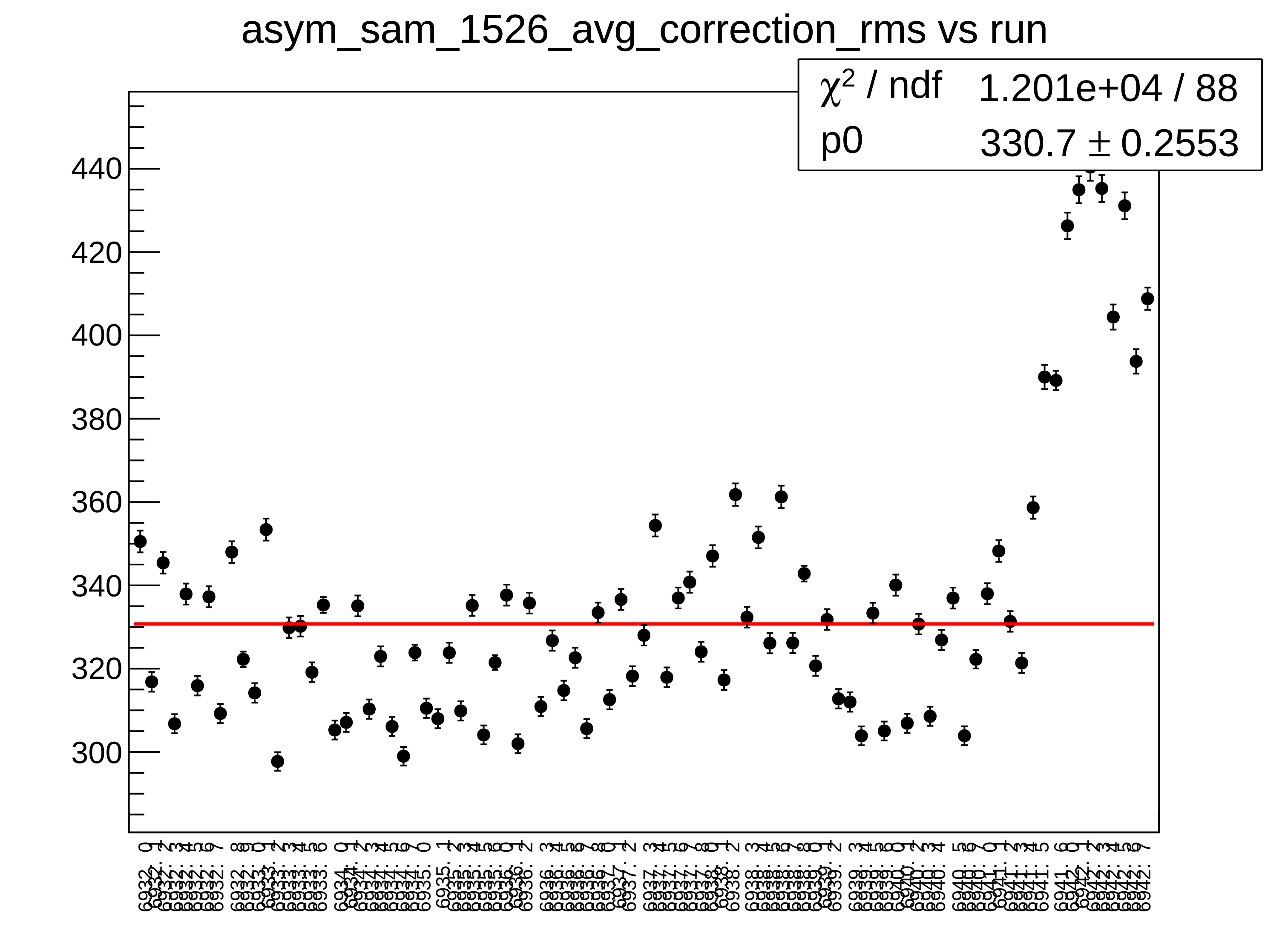


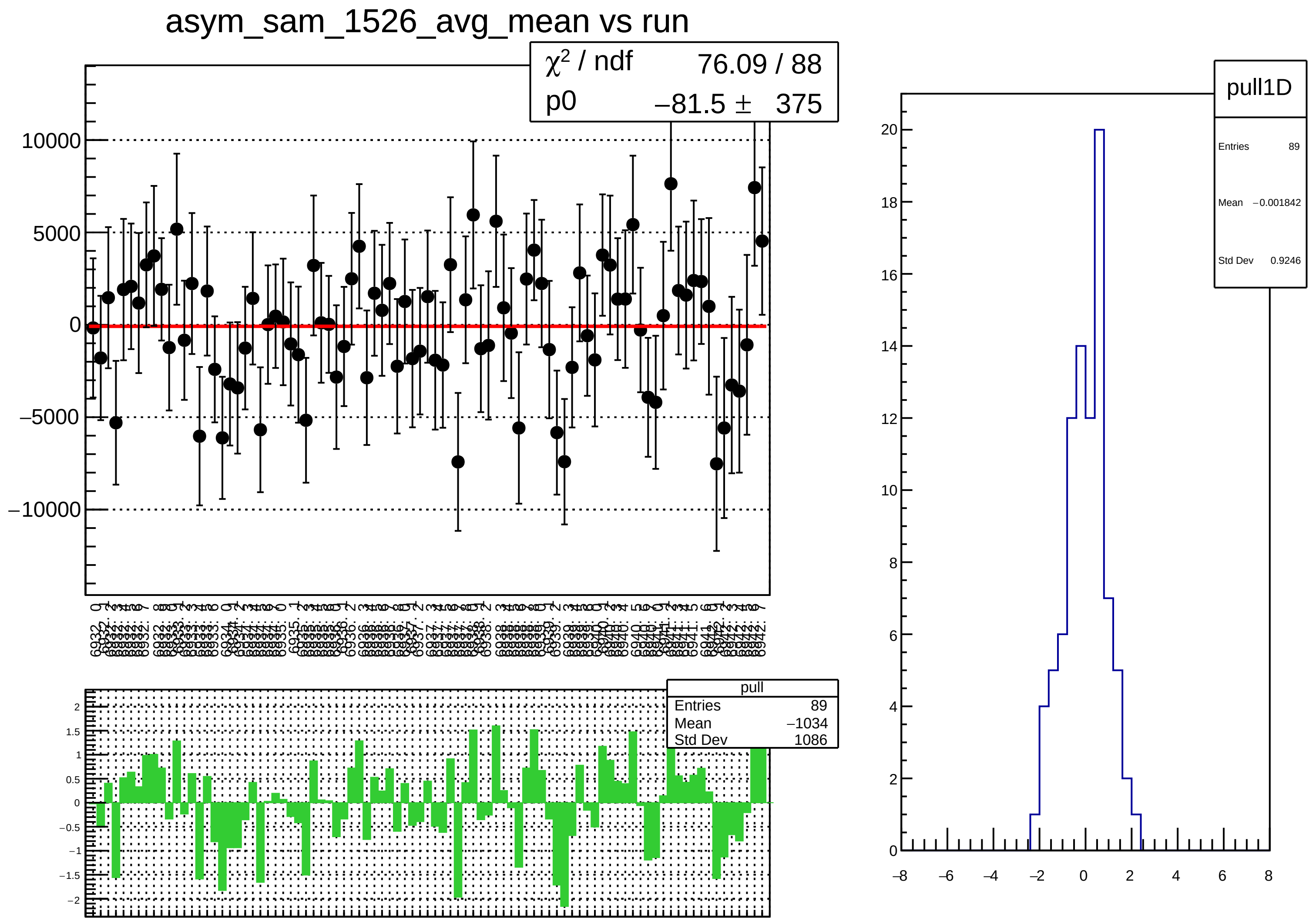
asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.032e+04 / 88
p0 1016 ± 0.7843
1350
1300
1250
1200
1150
1100
1050
1000
950
900


dit_asym_sam_1526_avg_mean vs run
χ2 / ndf 68.9 / 88
p0 −64.46 ± 60.53
1500
1000
500
0
−500
−1000
−1500
pull
Entries 89
Mean −78.38
Std Dev 118.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 89
Mean −0.01171
Std Dev 0.8798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

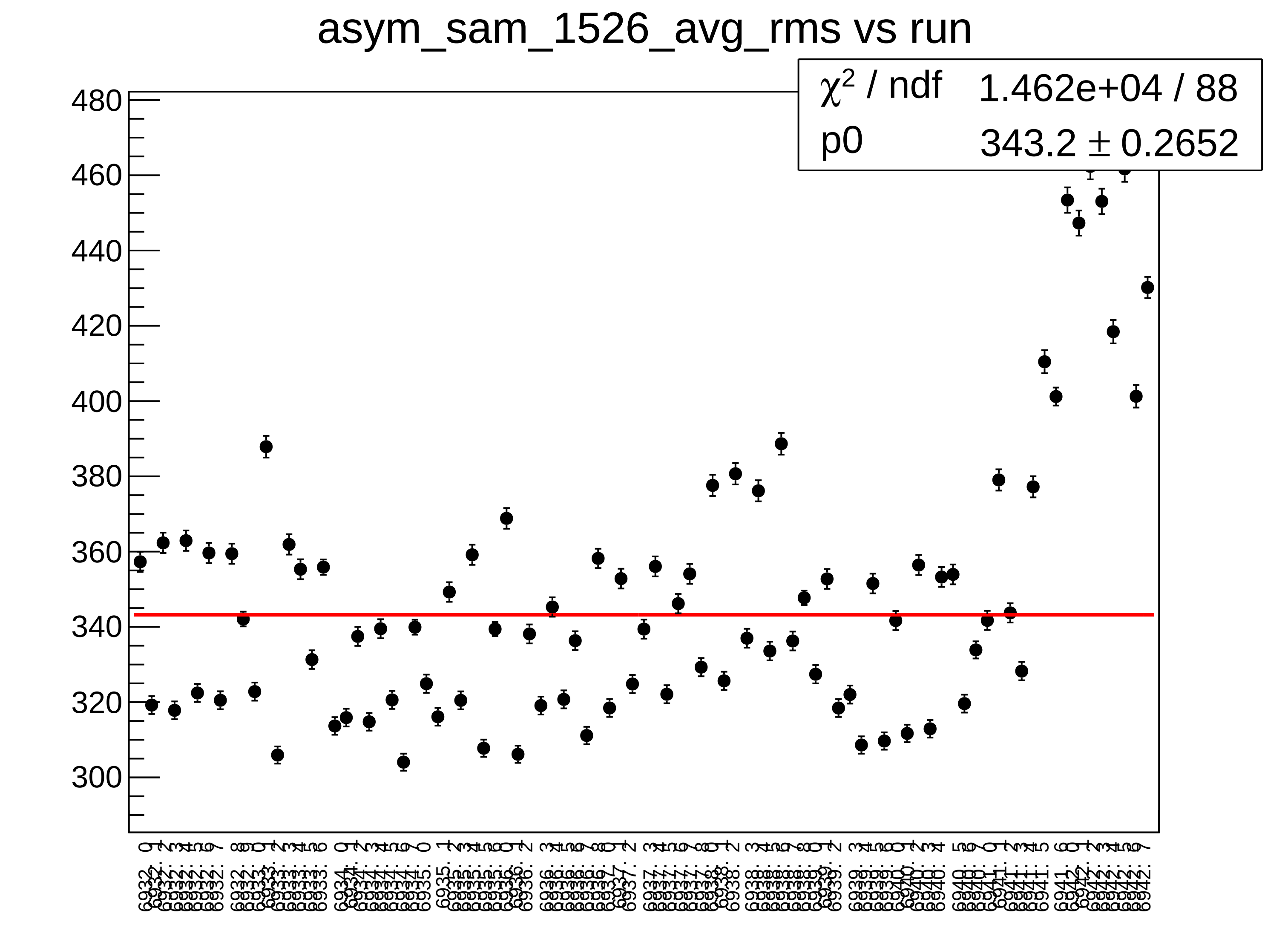

dit_asym_sam_1526_avg_rms vs run
χ2 / ndf 7601 / 88
p0 55.51 ± 0.0428
70
65
60
55
50


asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 75.51 / 88
p0 −5.885 ± 361.1
pull
Entries 89
Mean −594
Std Dev 648
pull1D
Entries 89
Mean 0.002904
Std Dev 0.9211

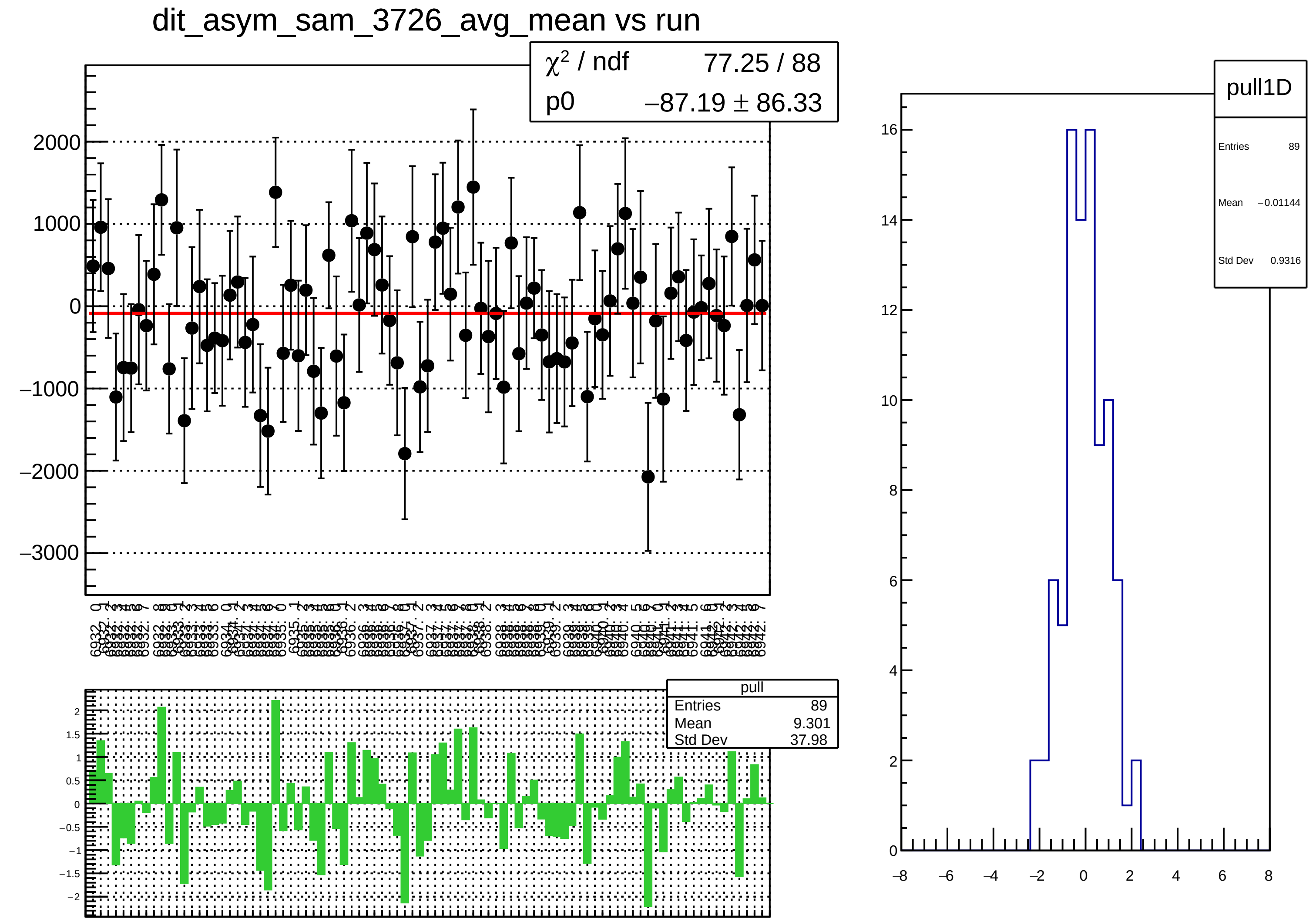

asym_sam_1526_avg_correction_rms vs run
χ2 / ndf 1.201e+04 / 88
p0 330.7 ± 0.2553
440
420
400
380
360
340
320
300

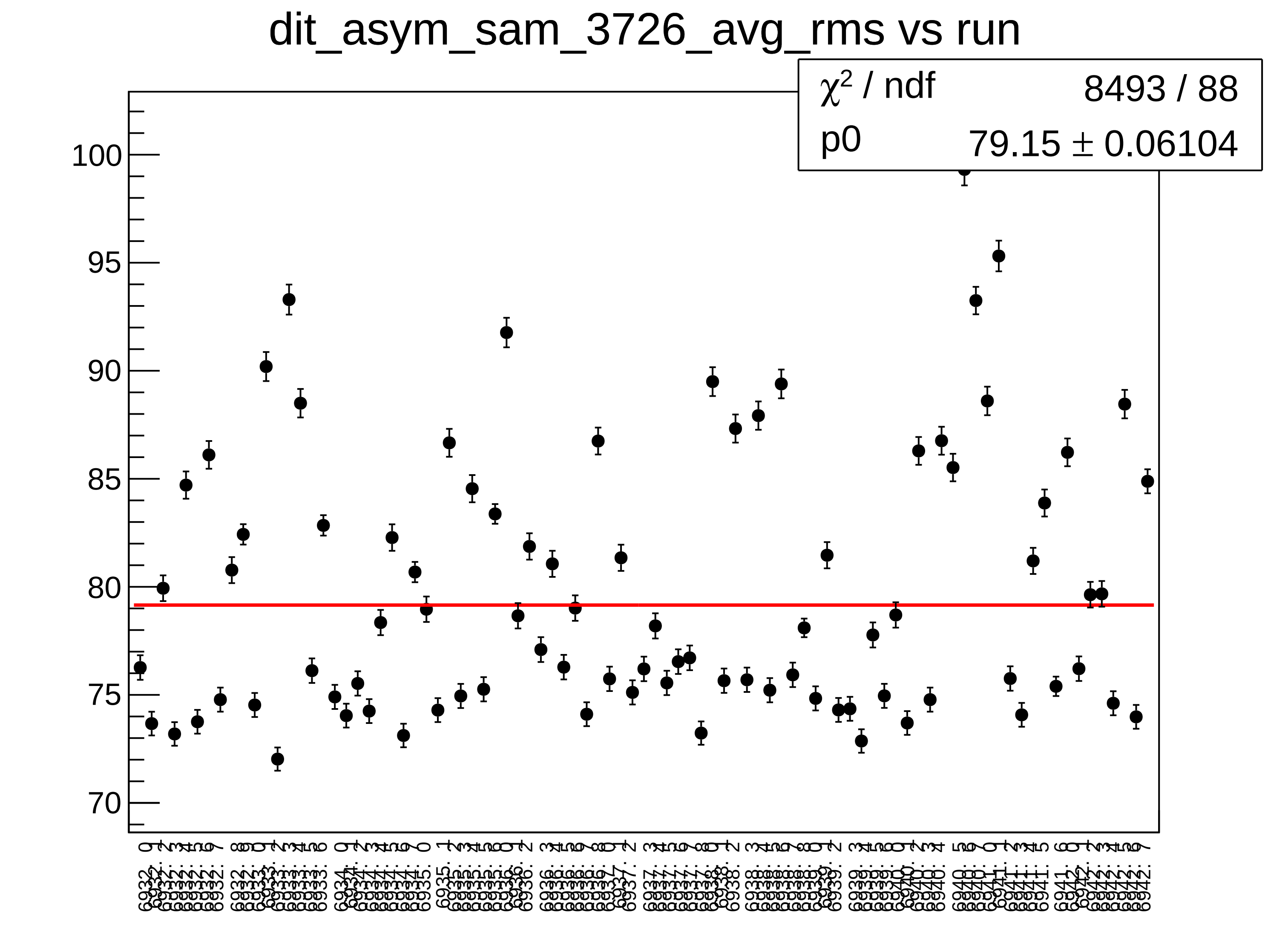


asym_sam_1526_avg_mean vs run
χ^2 / ndf 76.09 / 88
p0 −81.5 ± 375
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −1034
Std Dev 1086
pull1D
Entries 89
Mean −0.001842
Std Dev 0.9246

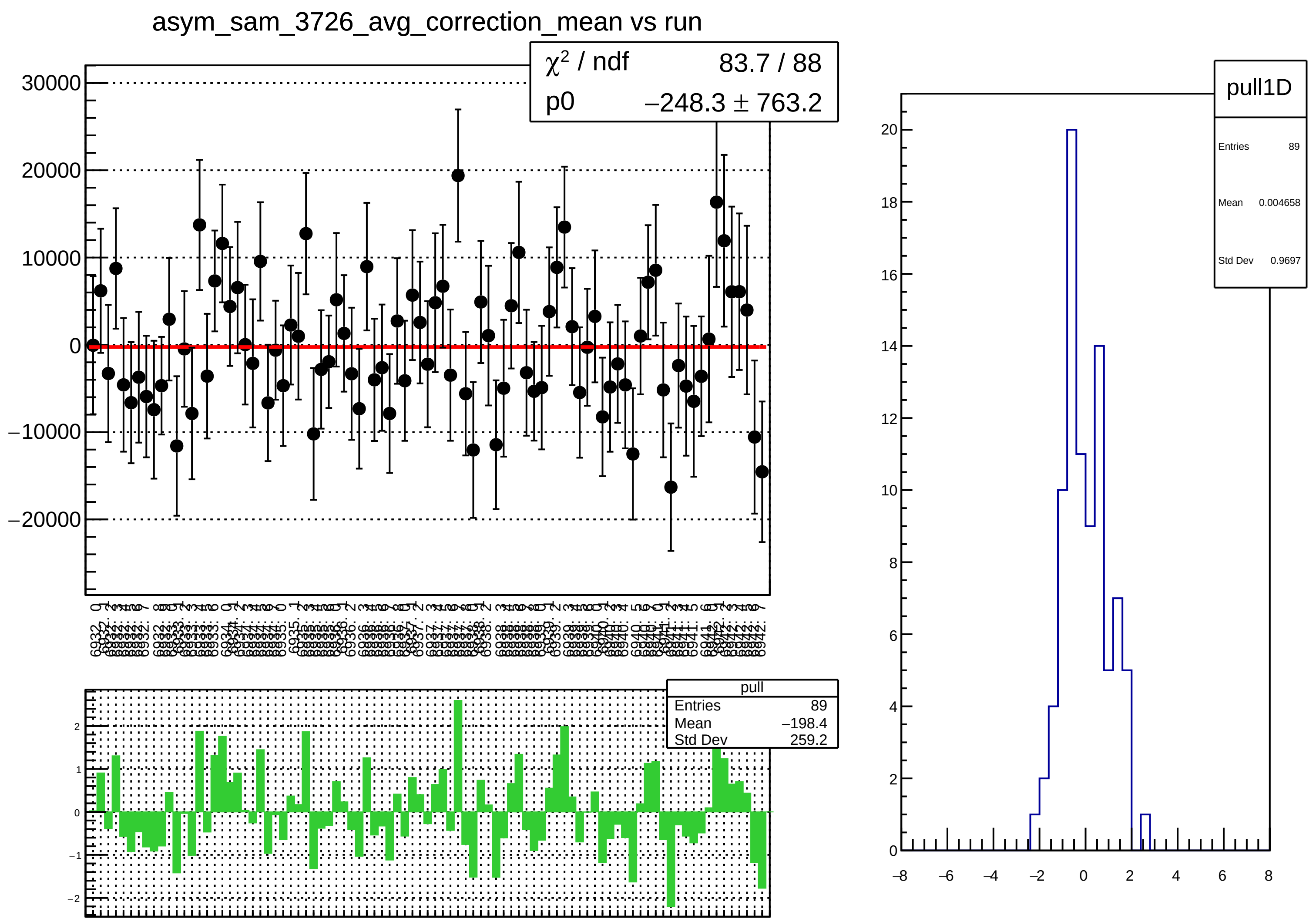


asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.462e+04 / 88
p0 343.2 ± 0.2652
480
460
440
420
400
380
360
340
320
300

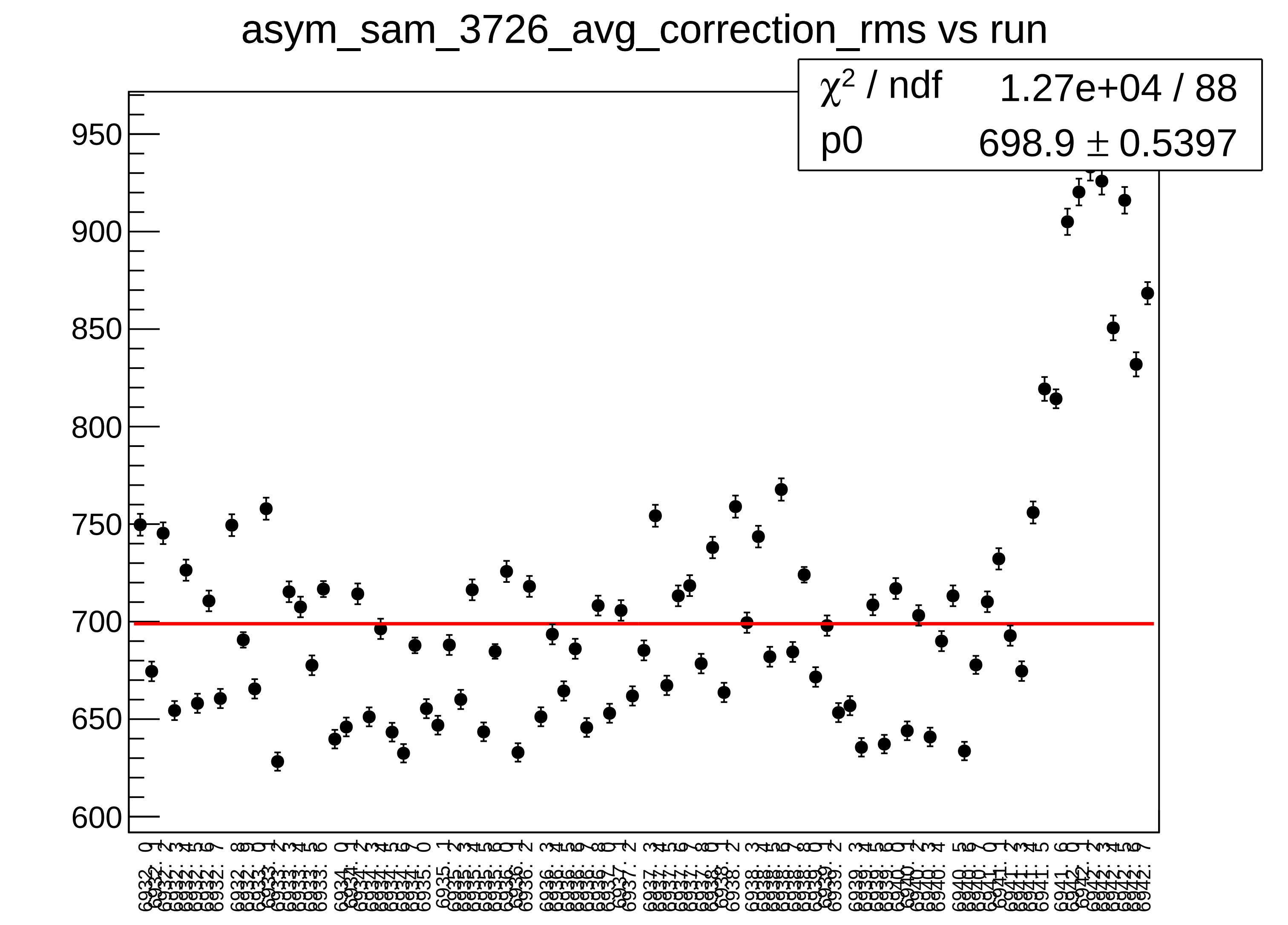

dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 77.25 / 88
p0 −87.19 ± 86.33
pull
Entries 89
Mean 9.301
Std Dev 37.98
pull1D
Entries 89
Mean −0.01144
Std Dev 0.9316

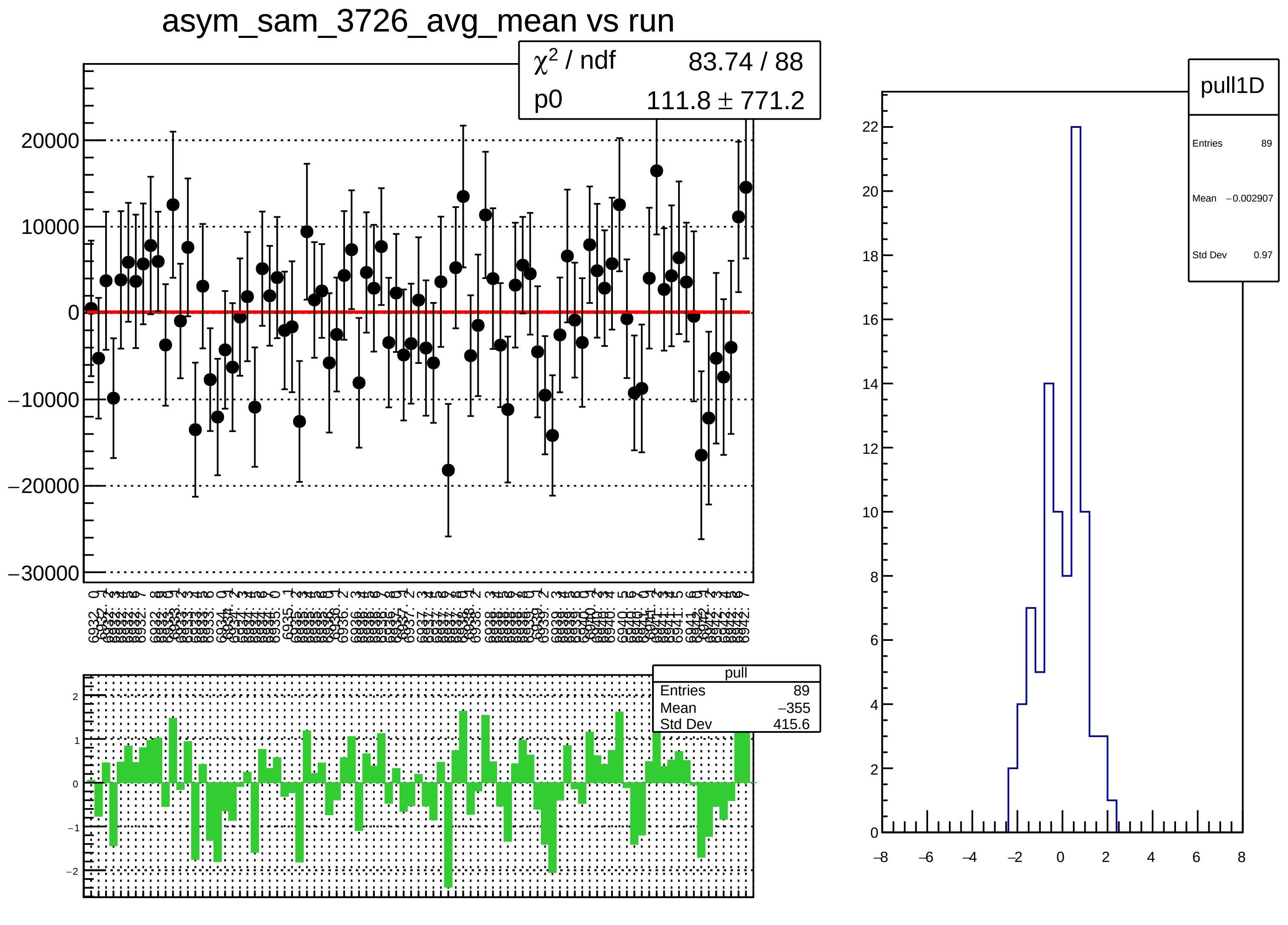


dit_asym_sam_3726_avg_rms vs run
χ2 / ndf 8493 / 88
p0 79.15 ± 0.06104
100
95
90
85
80
75
70

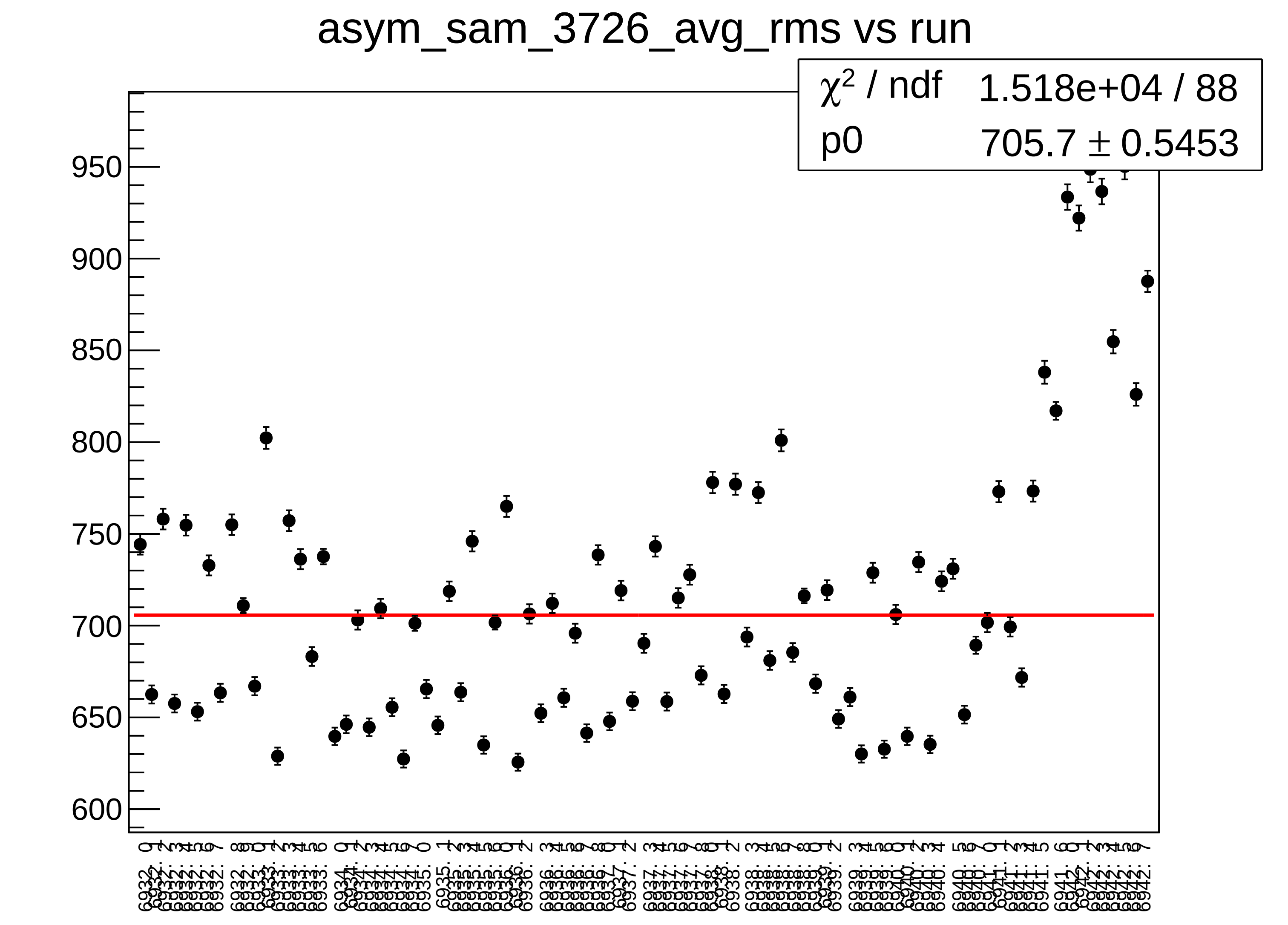


asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 83.7 / 88
p0 −248.3 ± 763.2
30000
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −198.4
Std Dev 259.2
pull1D
Entries 89
Mean 0.004658
Std Dev 0.9697

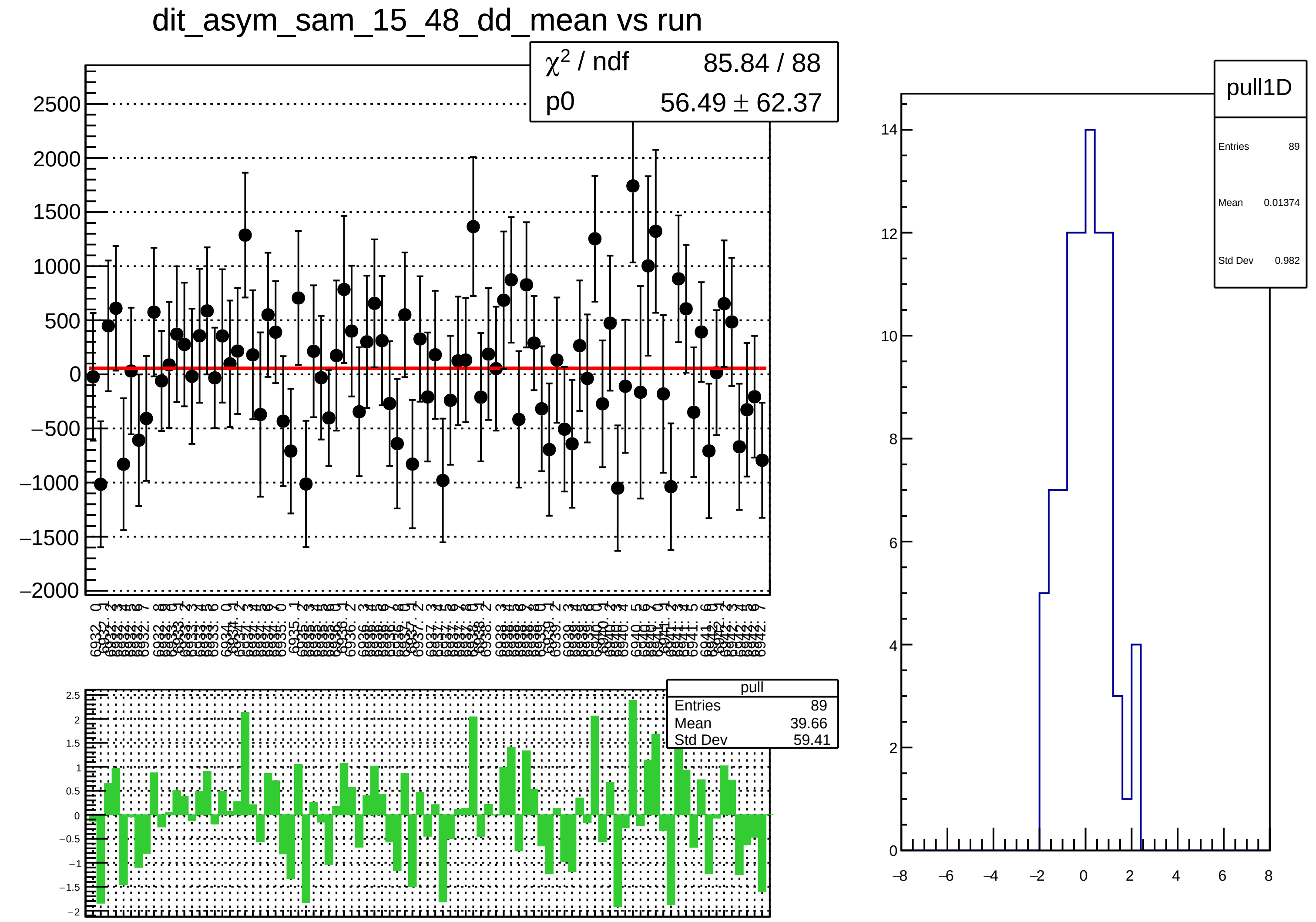

asym_sam_3726_avg_correction_rms vs run
χ2 / ndf 1.27e+04 / 88
p0 698.9 ± 0.5397
950
900
850
800
750
700
650
600

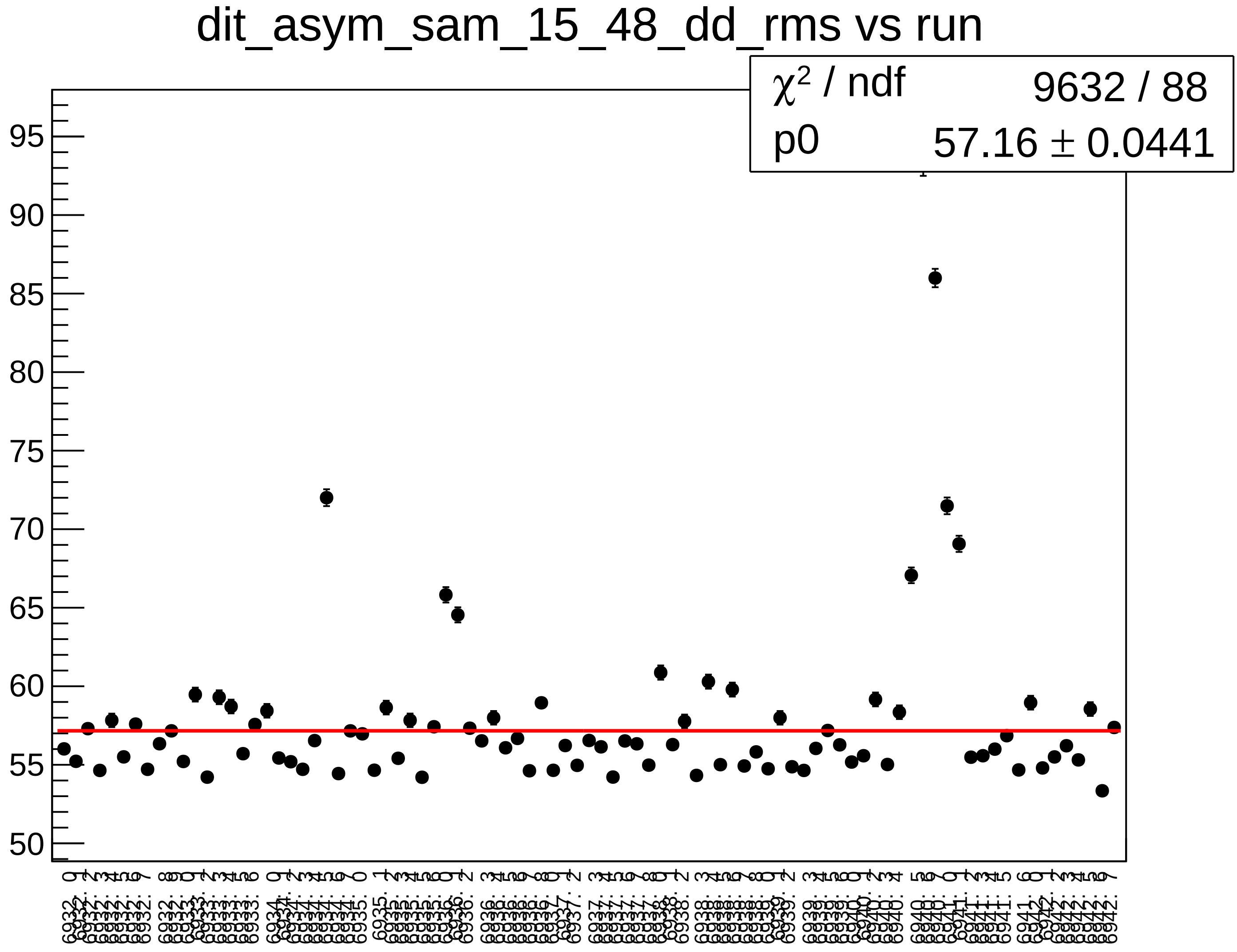


asym_sam_3726_avg_mean vs run
χ^2 / ndf 83.74 / 88
p0 111.8 ± 771.2
pull
Entries 89
Mean −355
Std Dev 415.6
pull1D
Entries 89
Mean −0.002907
Std Dev 0.97

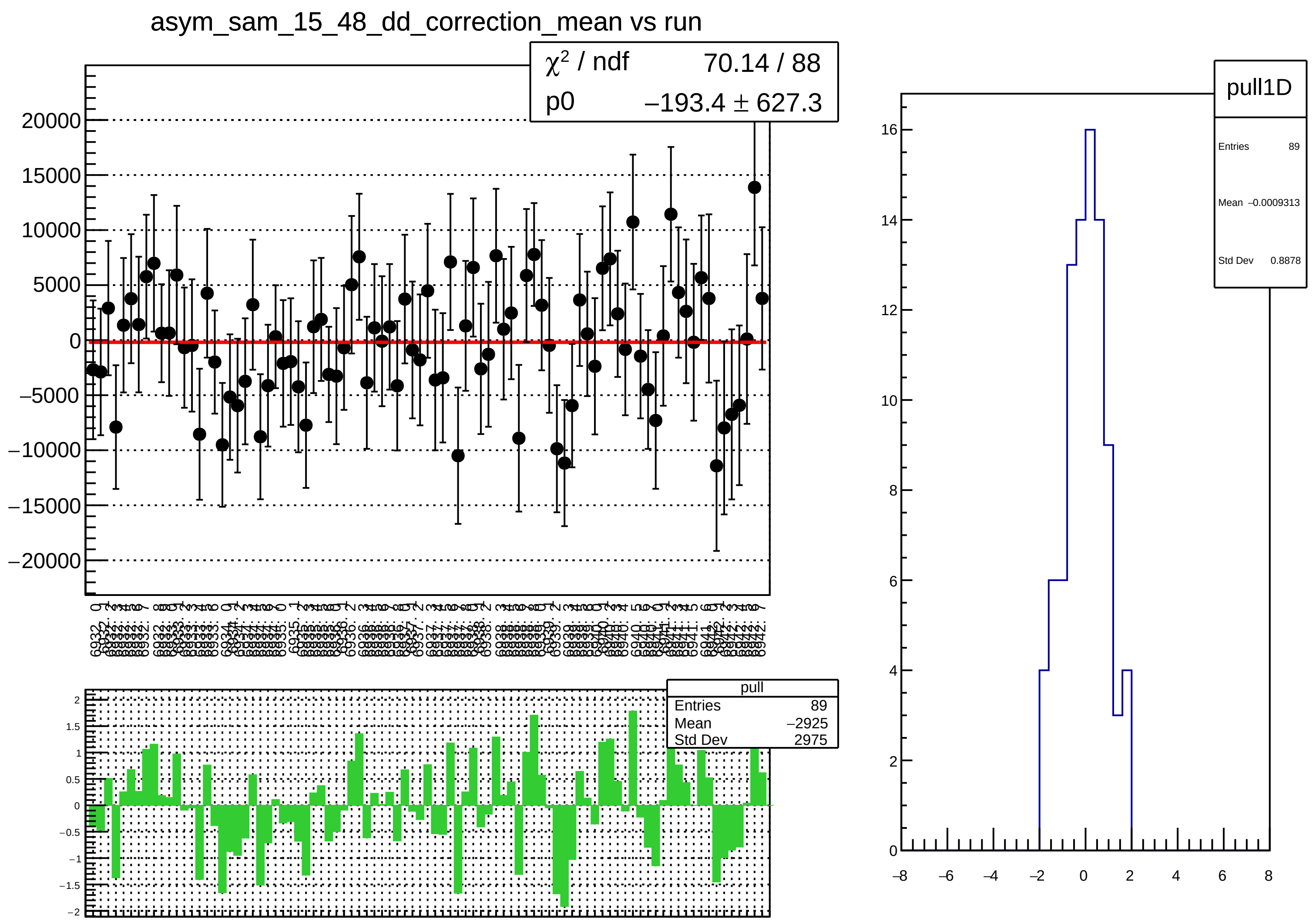


asym_sam_3726_avg_rms vs run
χ2 / ndf 1.518e+04 / 88
p0 705.7 ± 0.5453
950
900
850
800
750
700
650
600

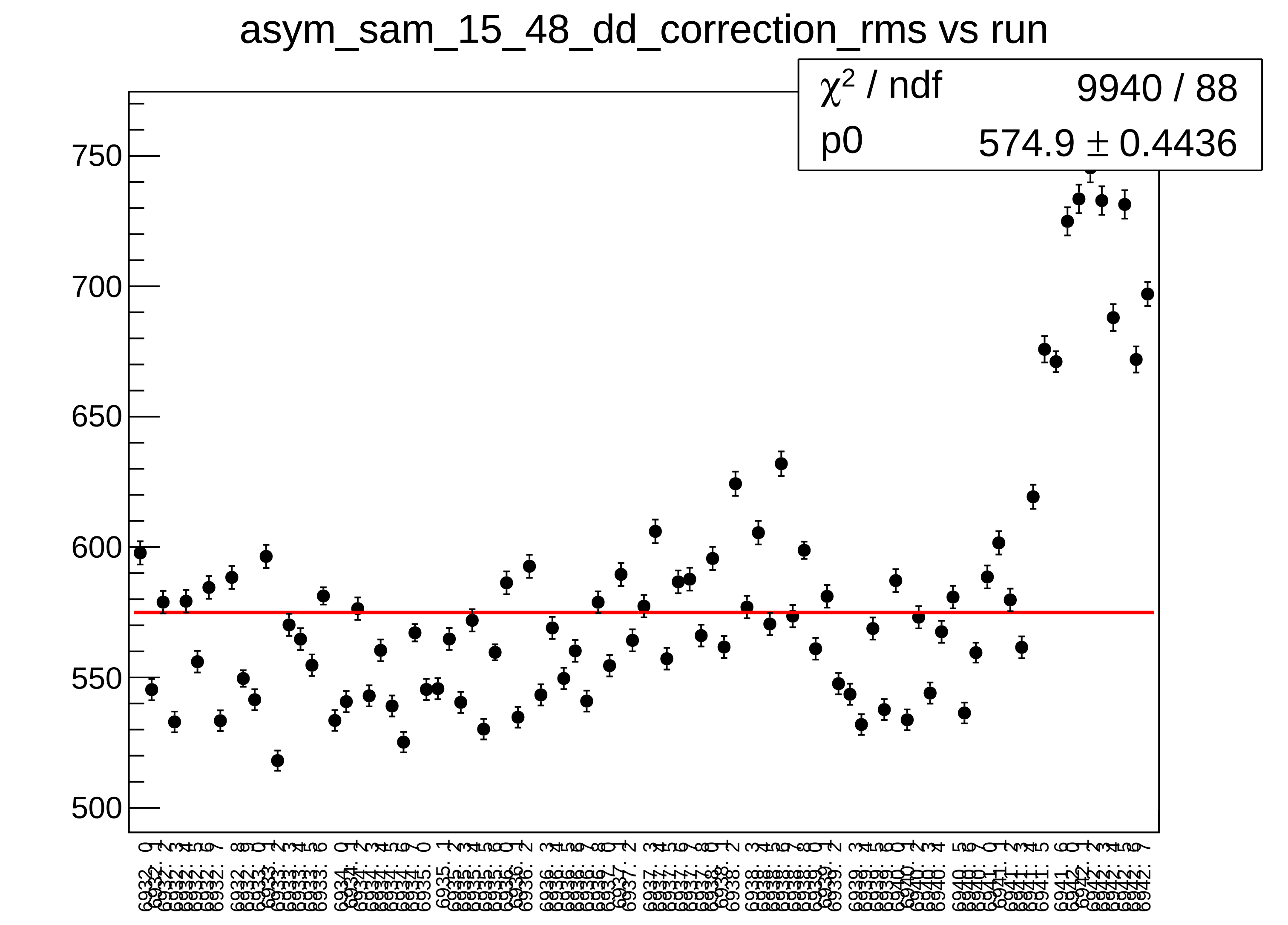

dit_asym_sam_15_48_dd_mean vs run
χ2 / ndf 85.84 / 88
p0 56.49 ± 62.37
pull
Entries 89
Mean 39.66
Std Dev 59.41
pull1D
Entries 89
Mean 0.01374
Std Dev 0.982



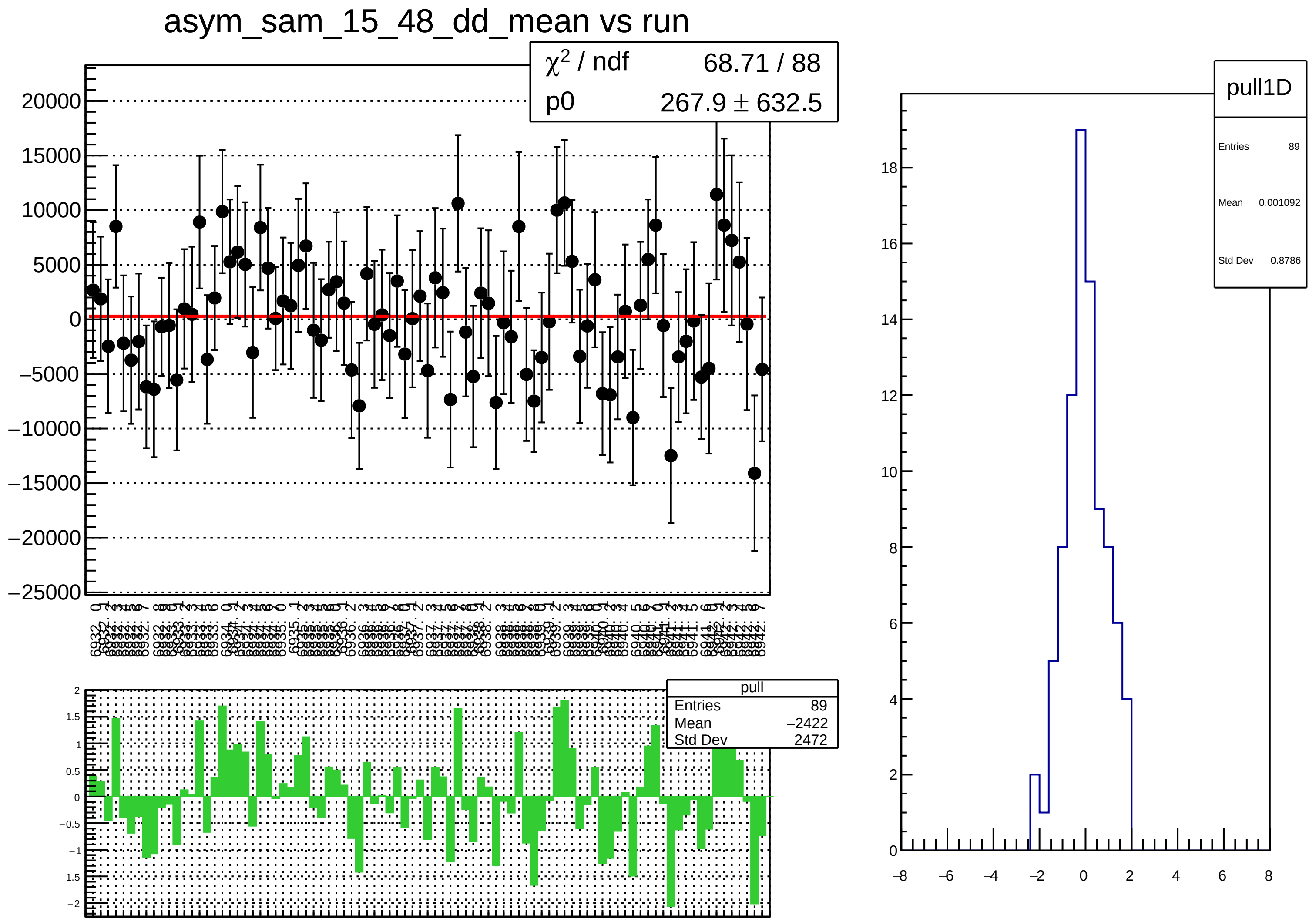
dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 9632 / 88
p0 57.16 ± 0.0441
95
90
85
80
75
70
65
60
55
50



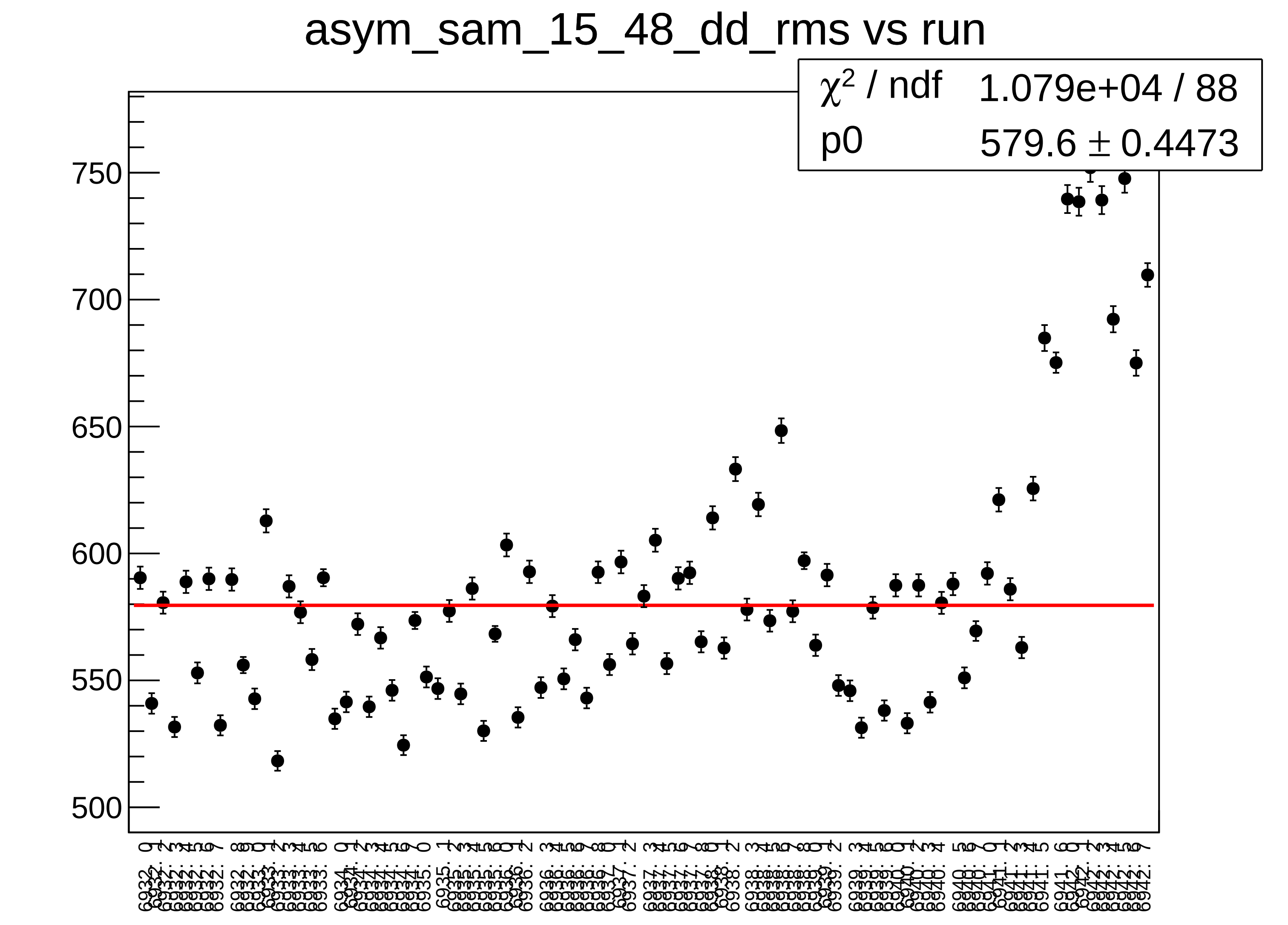
asym_sam_15_48_dd_correction_mean vs run
χ2 / ndf 70.14 / 88
p0 −193.4 ± 627.3
pull
Entries 89
Mean −2925
Std Dev 2975
pull1D
Entries 89
Mean −0.0009313
Std Dev 0.8878



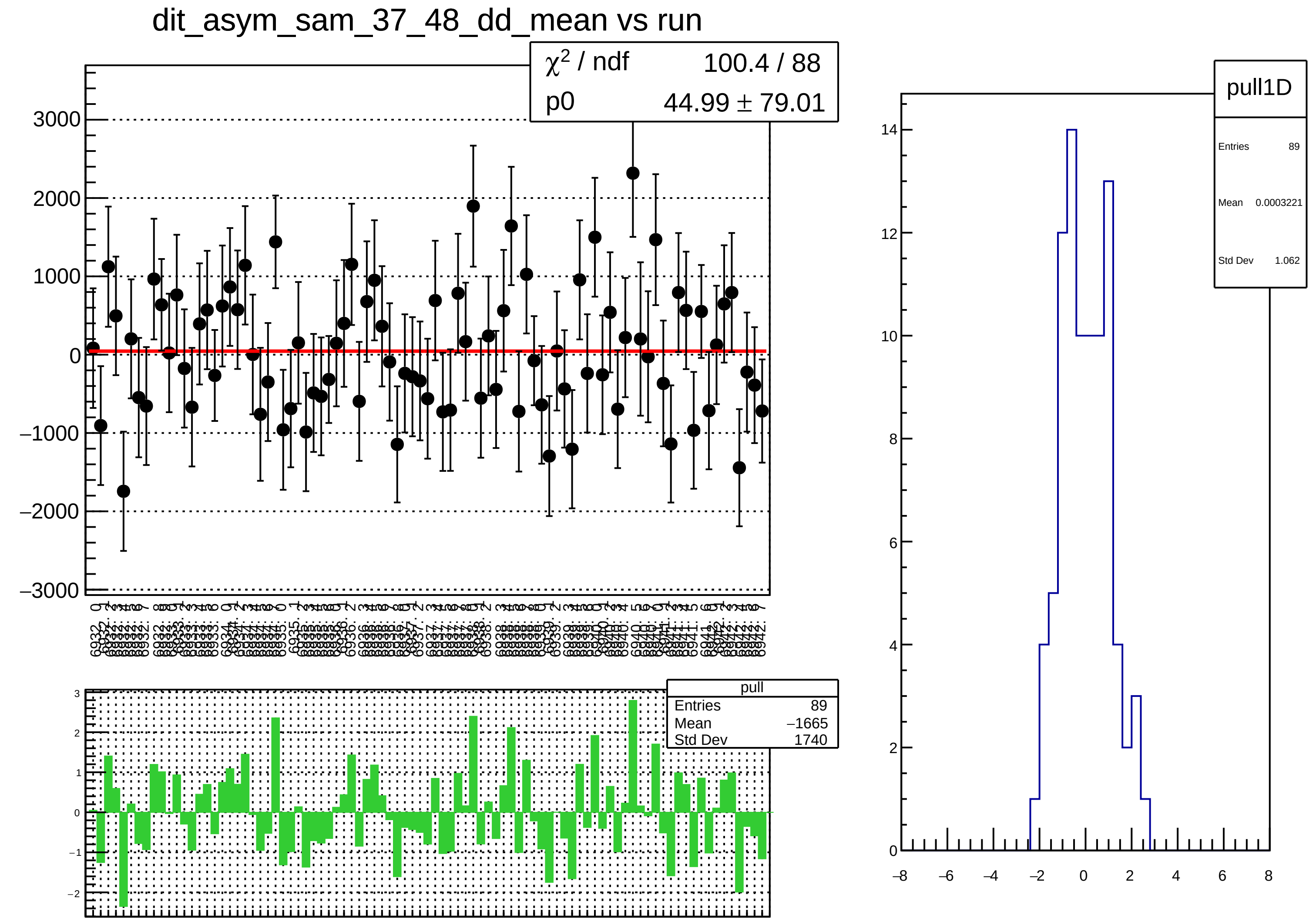
asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 9940 / 88
p0 574.9 ± 0.4436
750
700
650
600
550
500

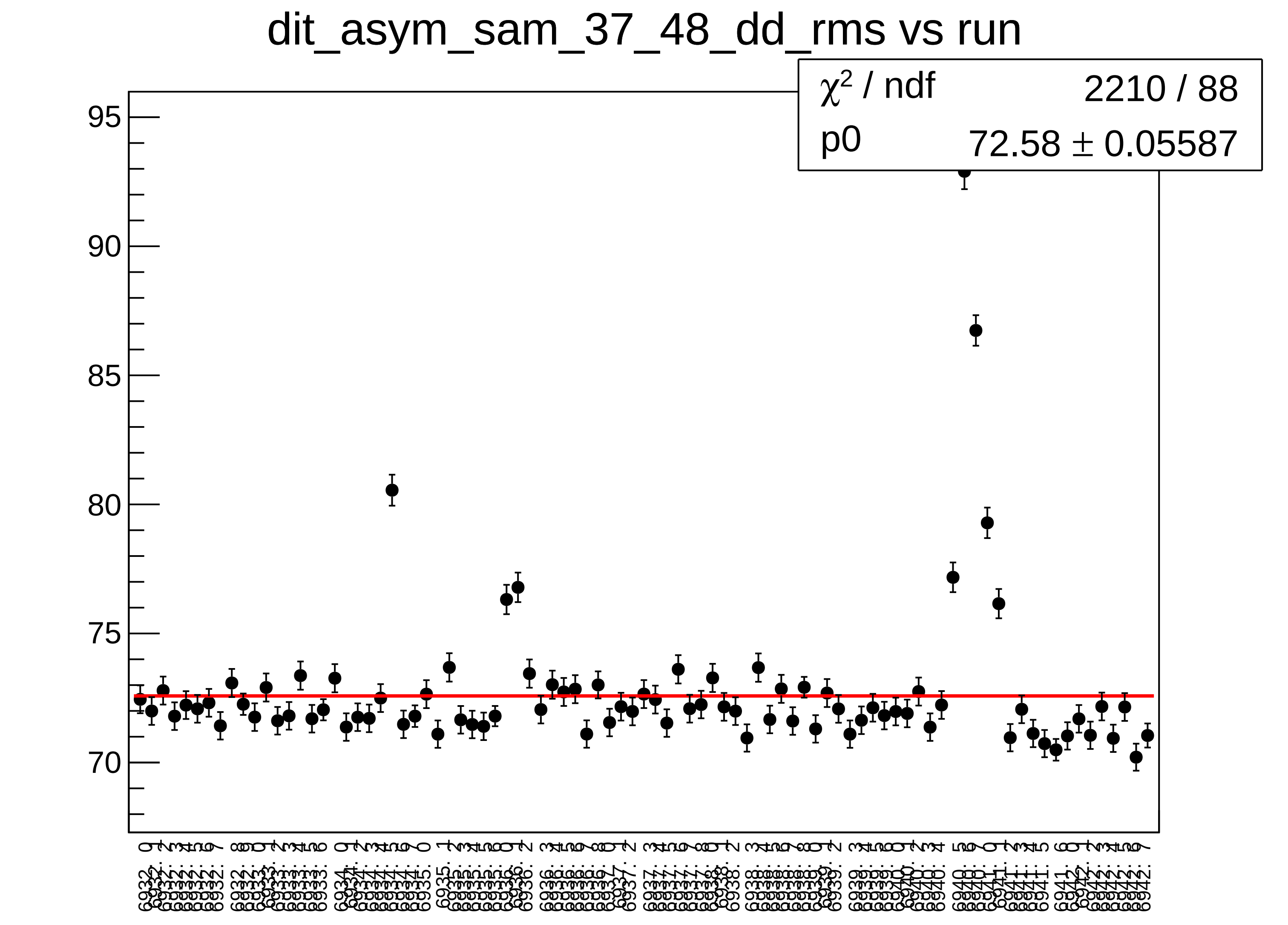


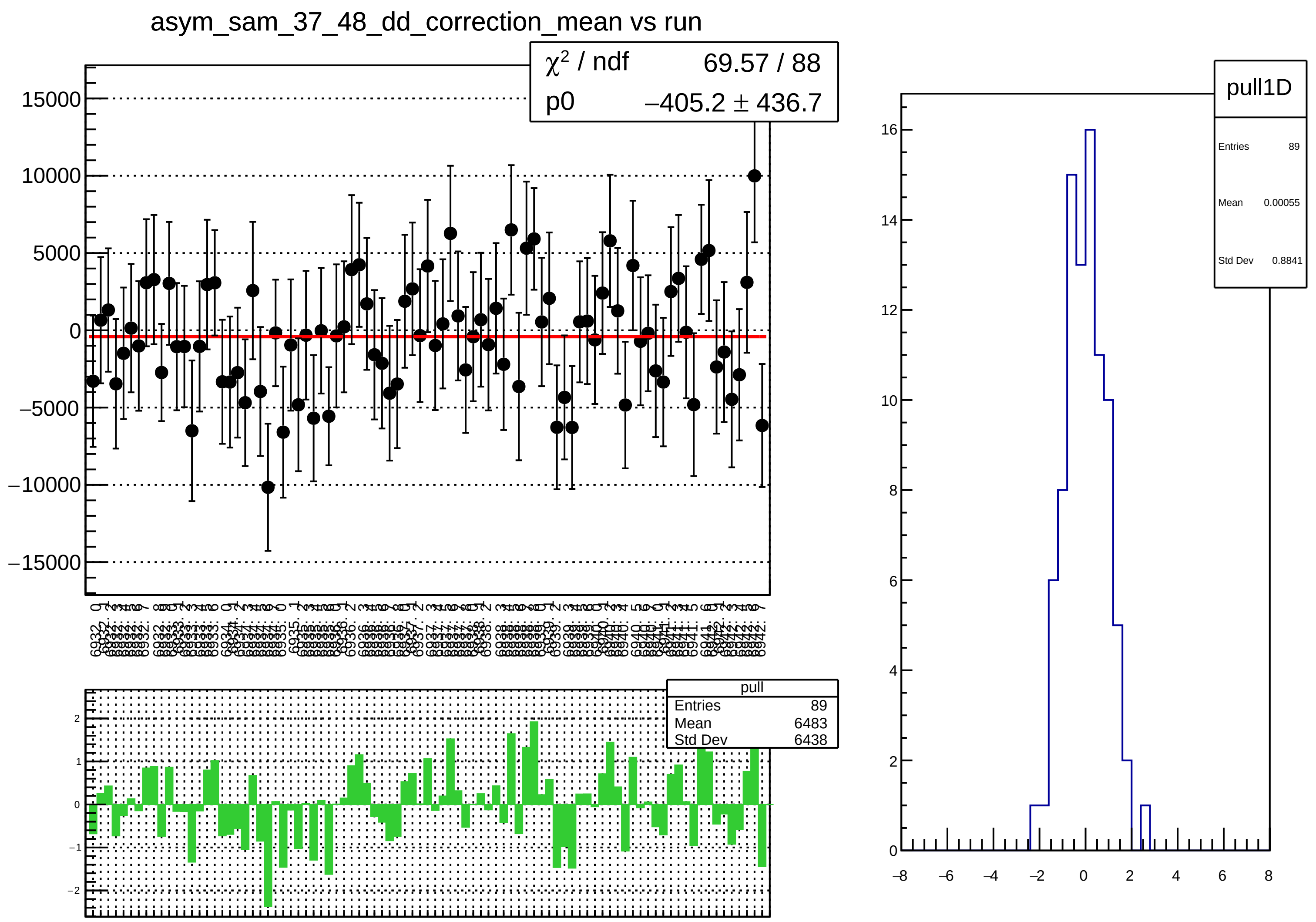
asym_sam_15_48_dd_mean vs run
χ^2 / ndf 68.71 / 88
p0 267.9 ± 632.5
pull
Entries 89
Mean −2422
Std Dev 2472
pull1D
Entries 89
Mean 0.001092
Std Dev 0.8786



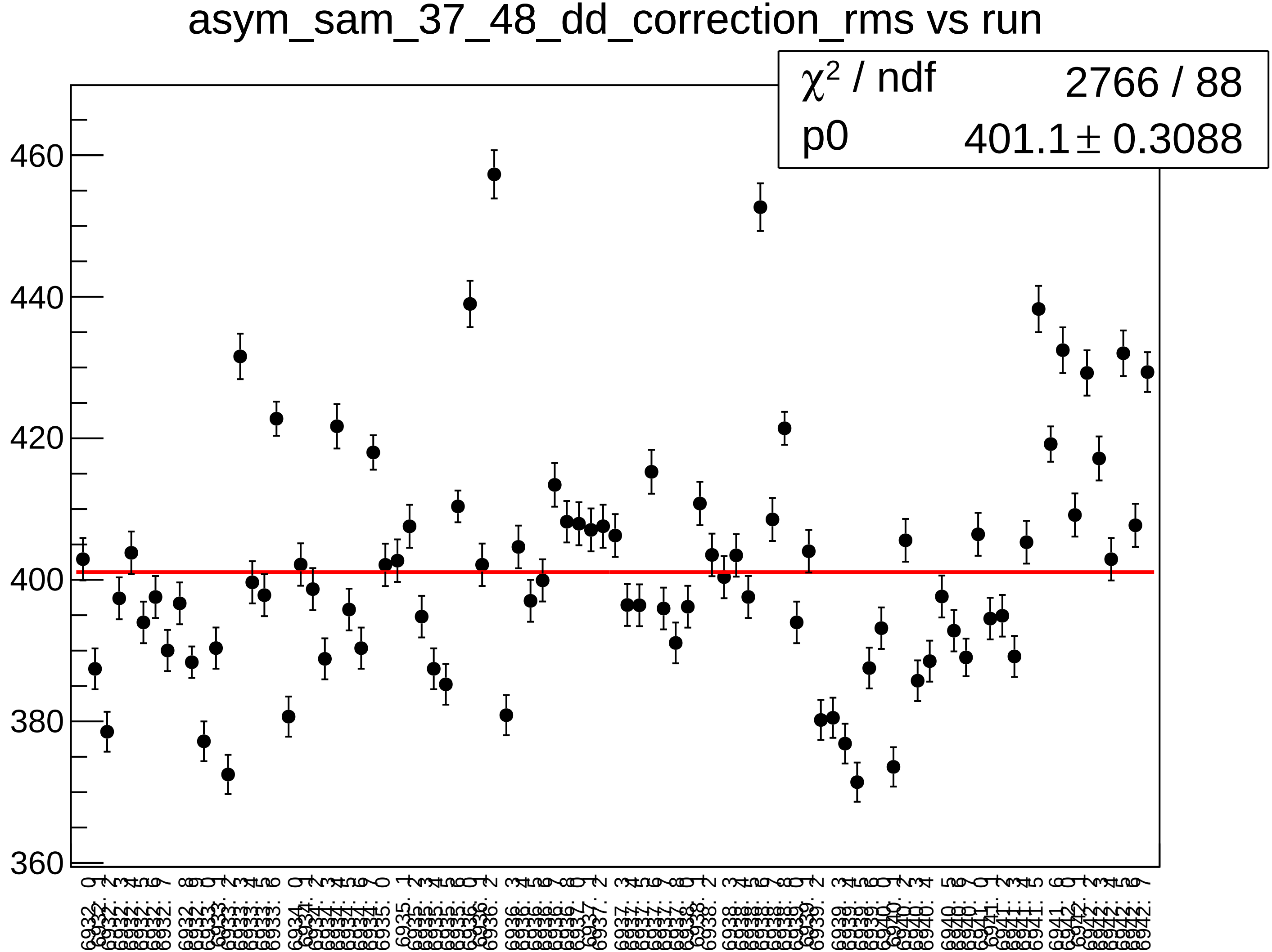
asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.079e+04 / 88
p0 579.6 ± 0.4473
750
700
650
600
550
500

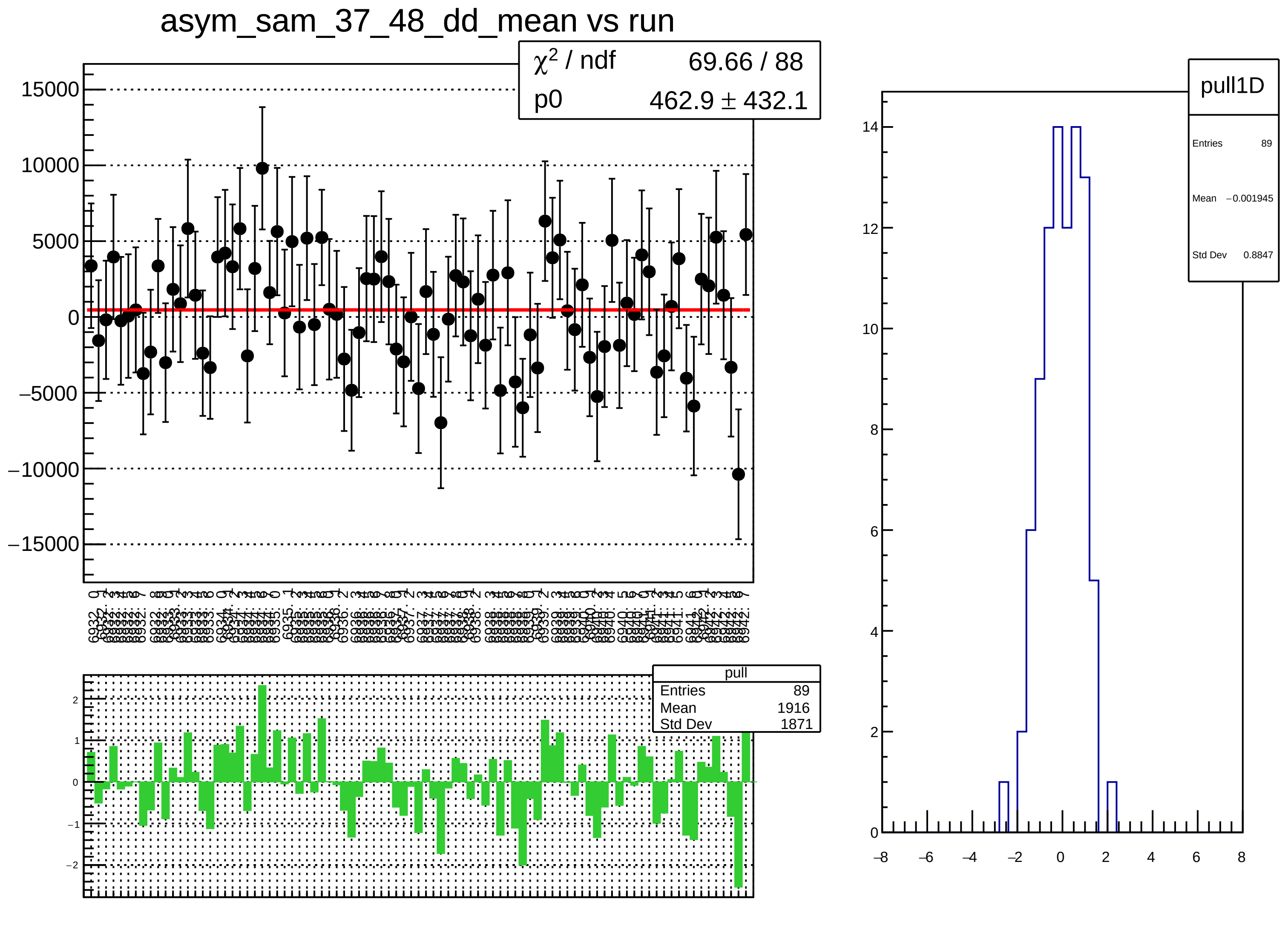

dit_asym_sam_37_48_dd_mean vs run
χ2 / ndf 100.4 / 88
p0 44.99 ± 79.01
pull
Entries 89
Mean −1665
Std Dev 1740
pull1D
Entries 89
Mean 0.0003221
Std Dev 1.062

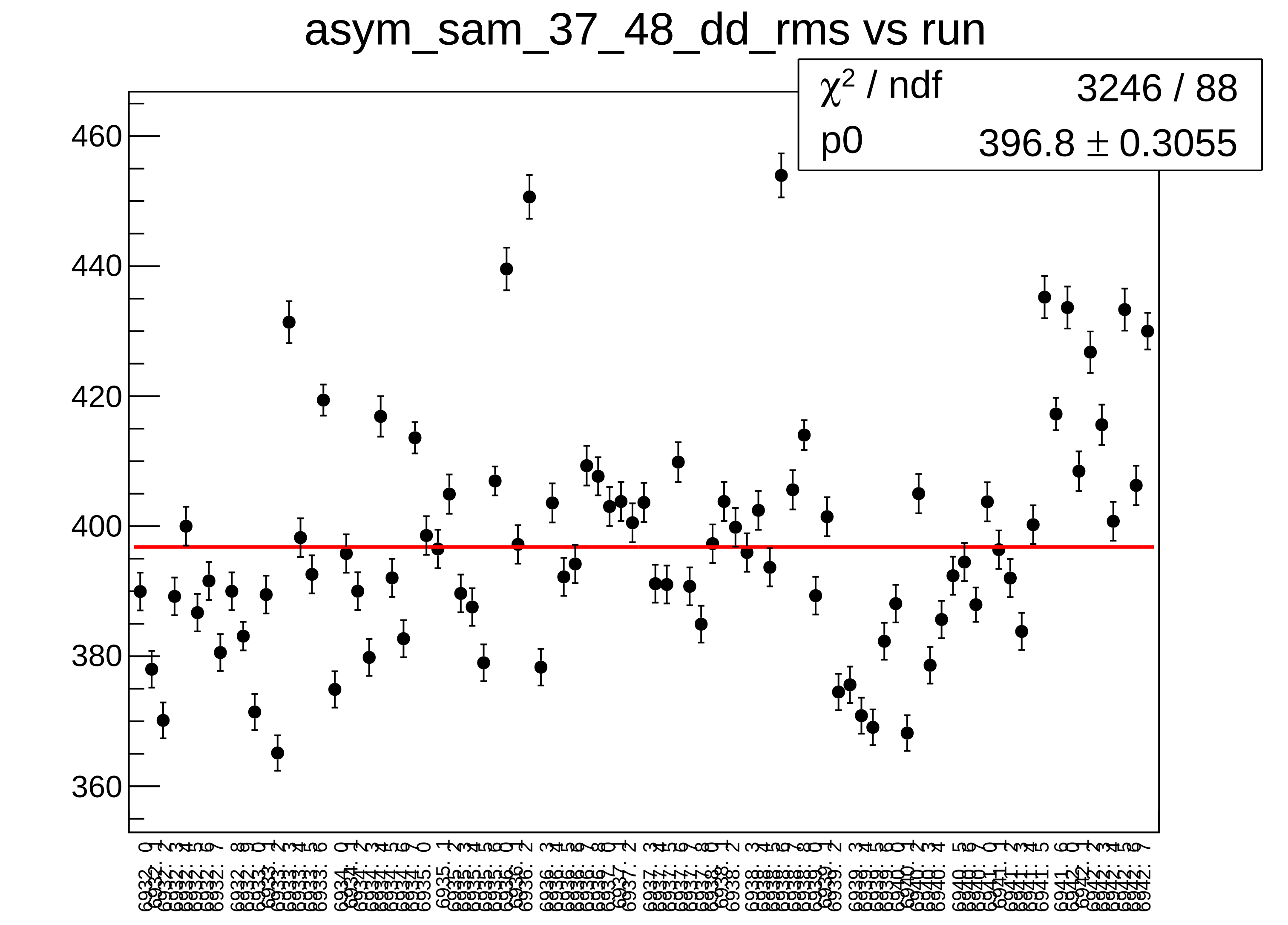

dit_asym_sam_37_48_dd_rms vs run
χ2 / ndf 2210 / 88
p0 72.58 ± 0.05587
95
90
85
80
75
70

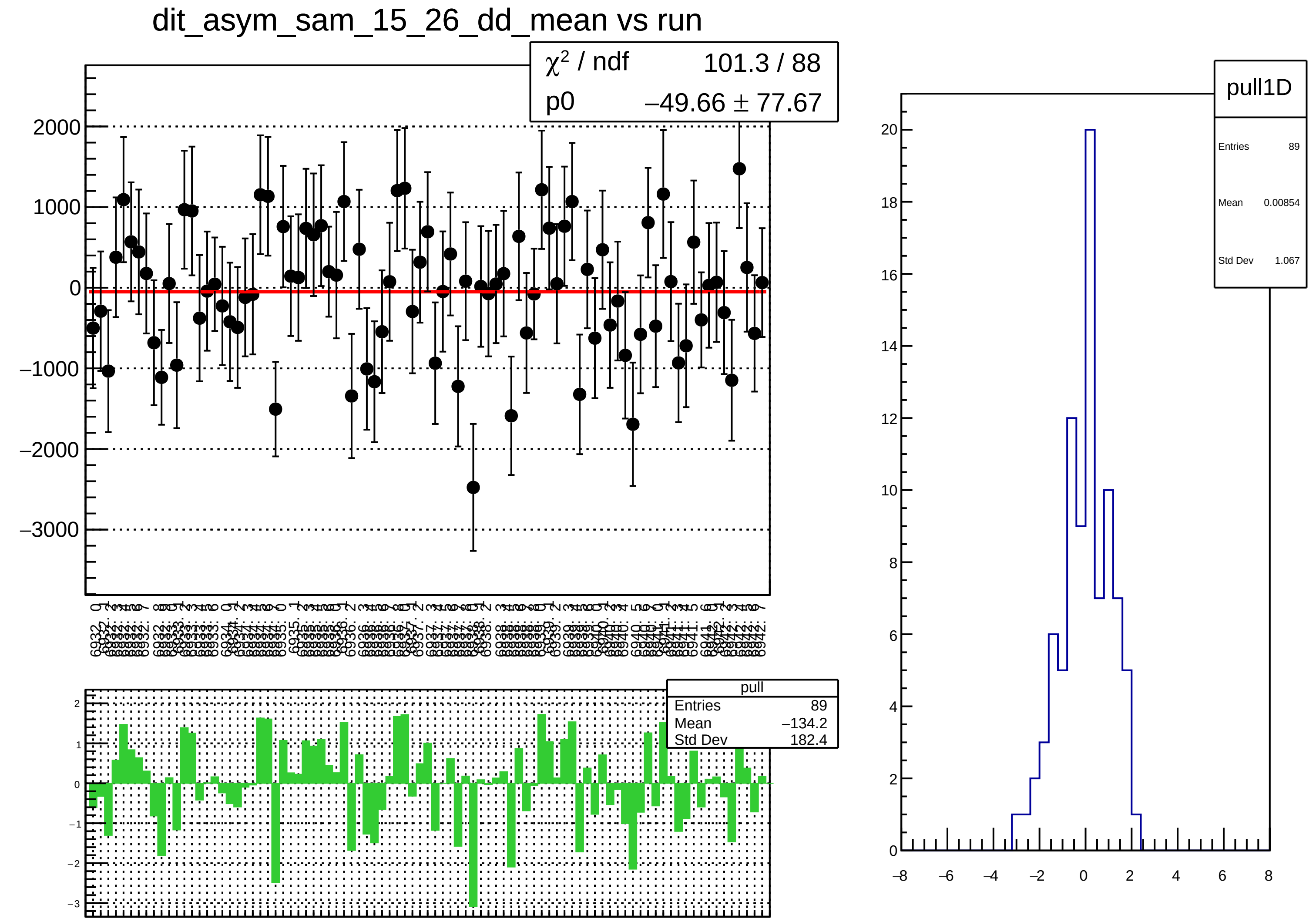


asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 69.57 / 88
p0 −405.2 ± 436.7
pull
Entries 89
Mean 6483
Std Dev 6438
pull1D
Entries 89
Mean 0.00055
Std Dev 0.8841

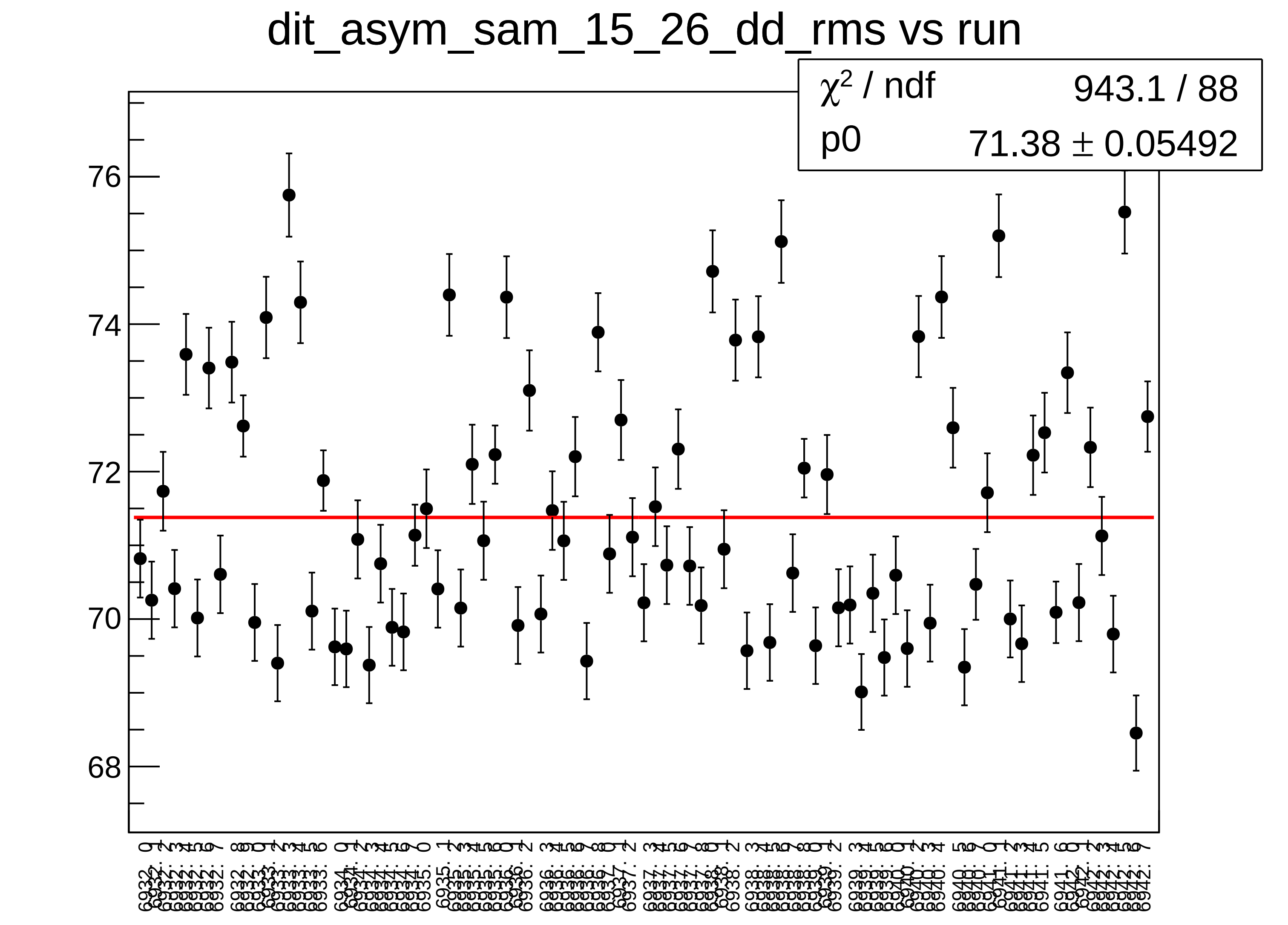

asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 2766 / 88
p0 401.1 ± 0.3088
460
440
420
400
380
360


asym_sam_37_48_dd_mean vs run
χ^2 / ndf 69.66 / 88
p0 462.9 ± 432.1
pull
Entries 89
Mean 1916
Std Dev 1871
pull1D
Entries 89
Mean −0.001945
Std Dev 0.8847

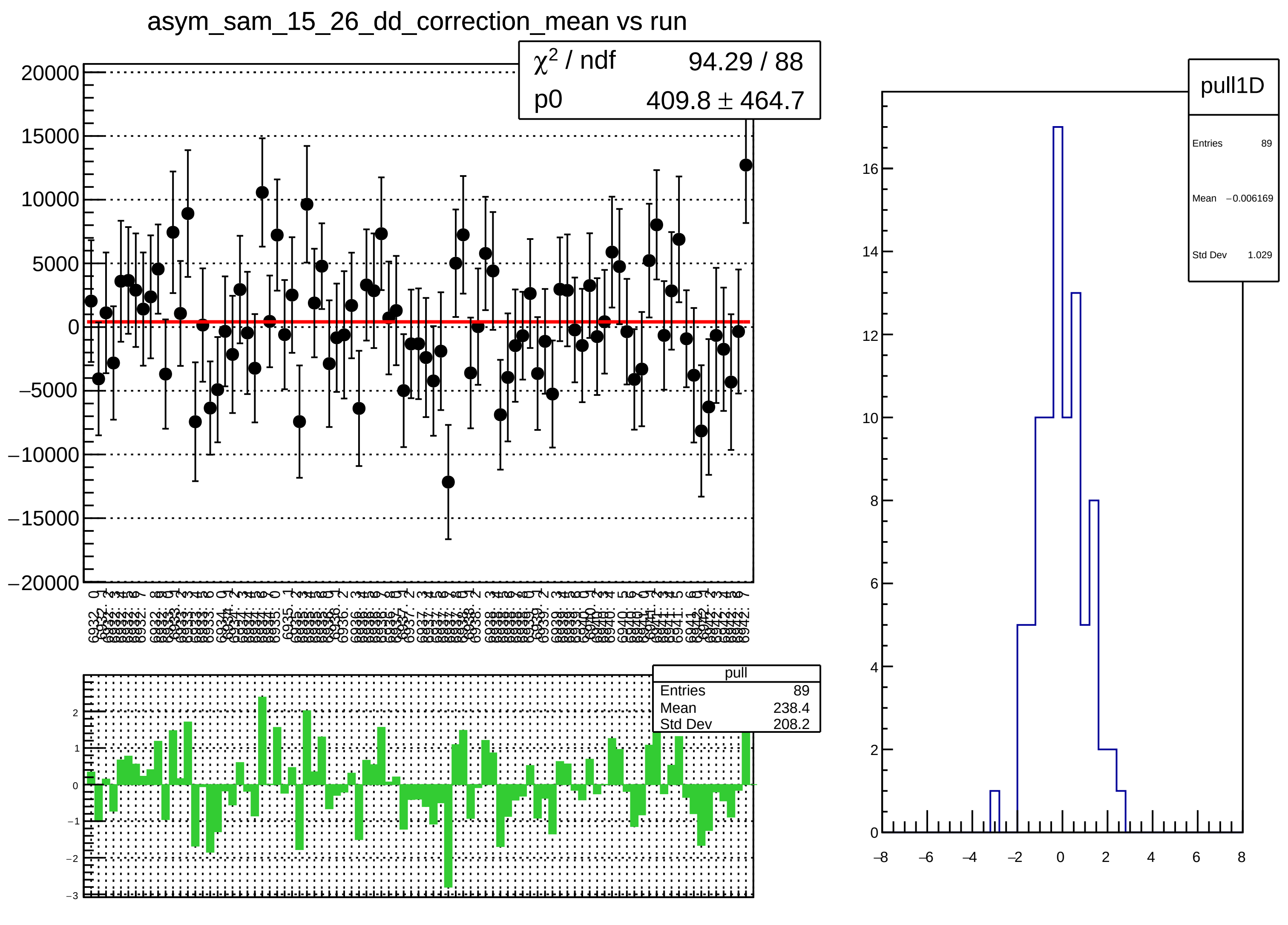

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 3246 / 88
p0 396.8 ± 0.3055
460
440
420
400
380
360

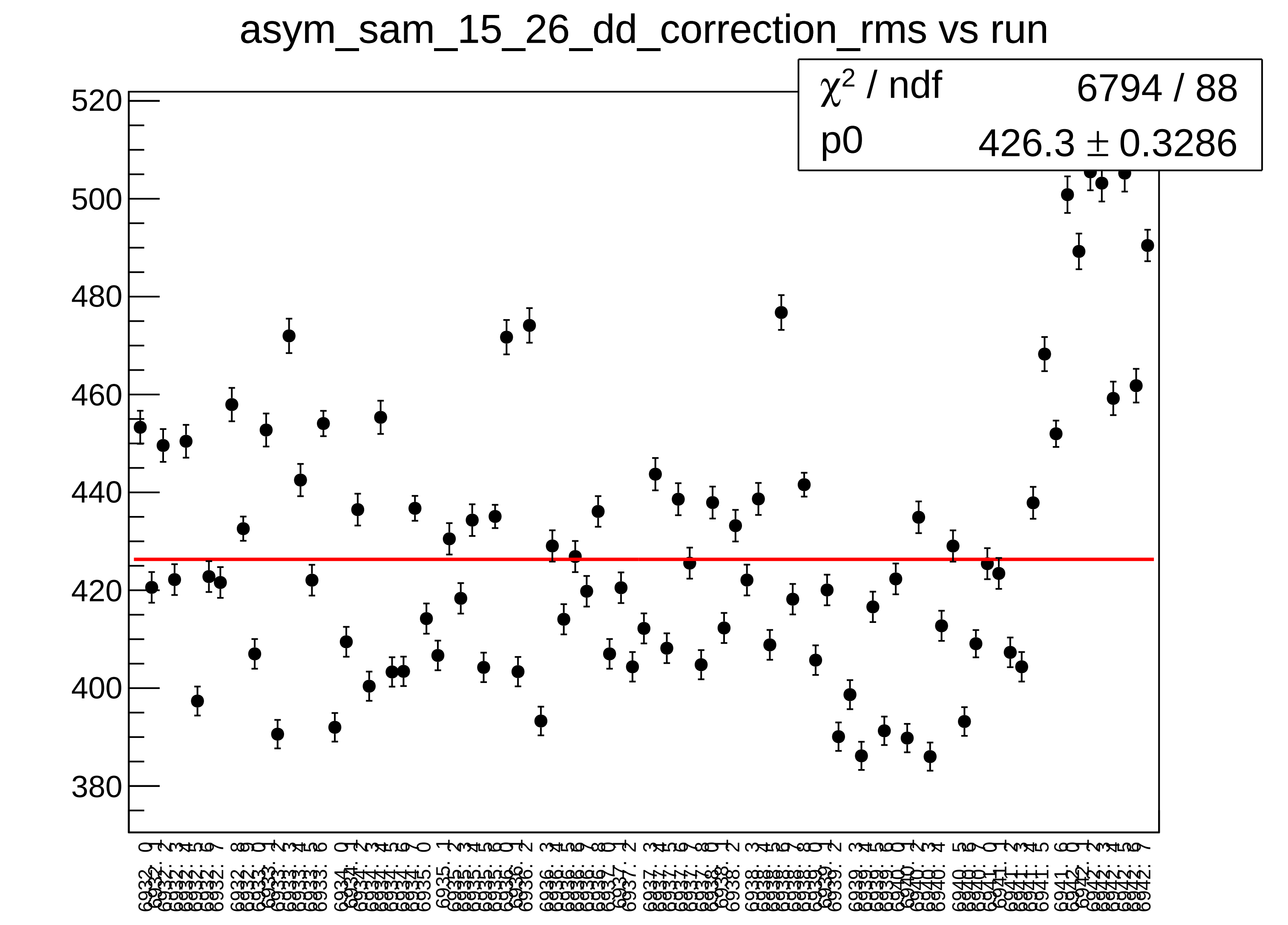


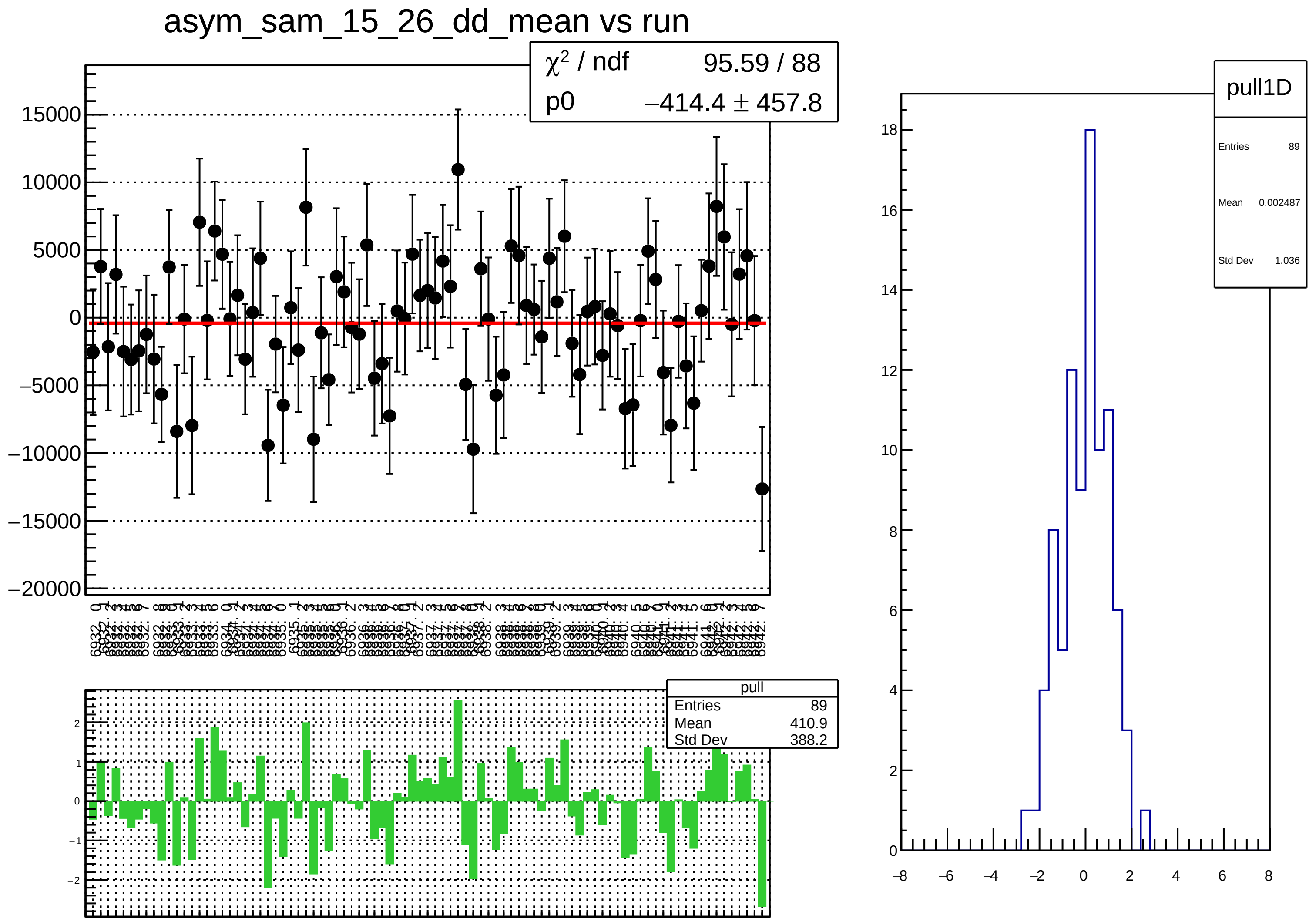
dit_asym_sam_15_26_dd_mean vs run
χ2 / ndf 101.3 / 88
p0 −49.66 ± 77.67
pull
Entries 89
Mean −134.2
Std Dev 182.4
pull1D
Entries 89
Mean 0.00854
Std Dev 1.067



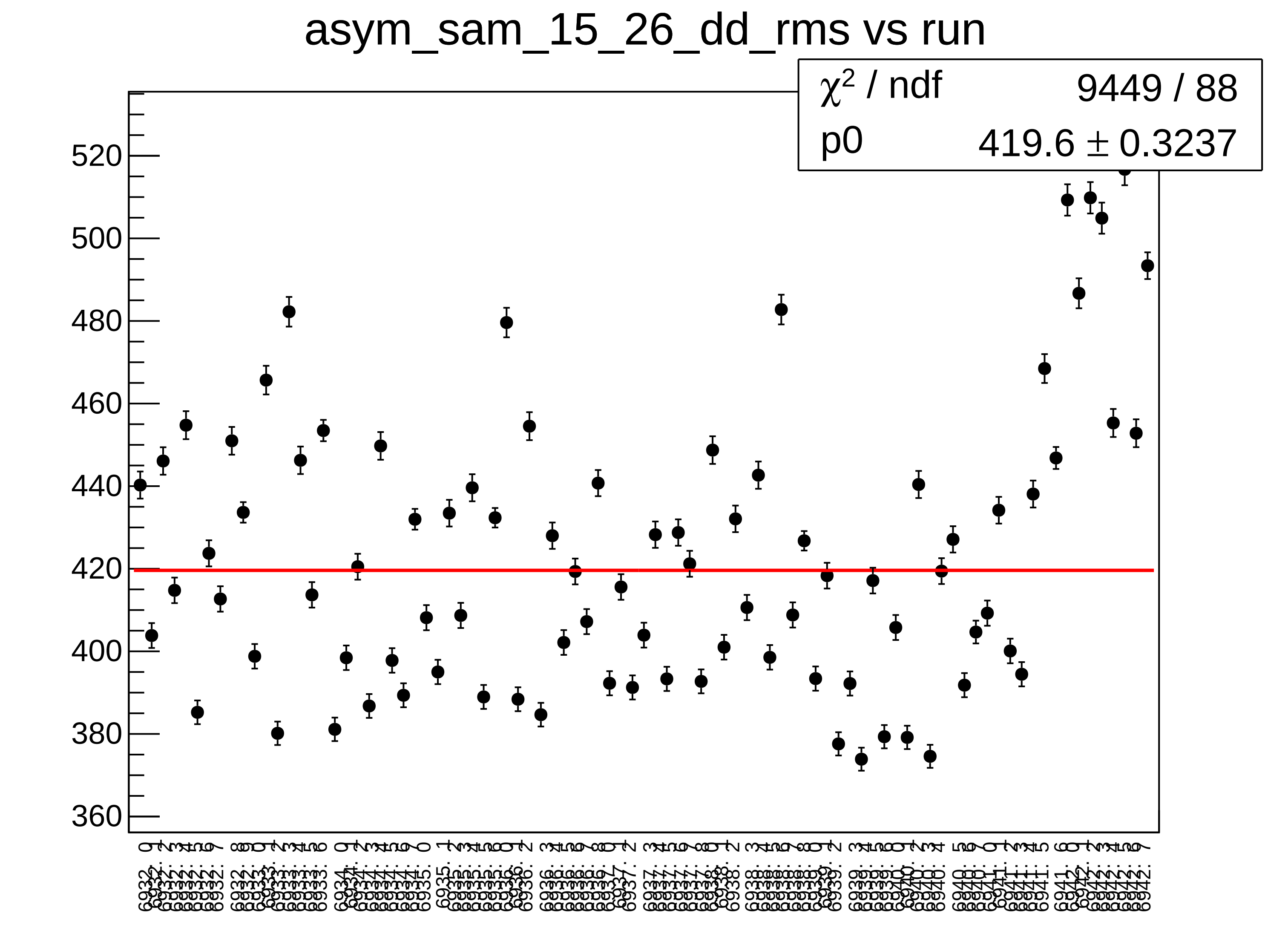
dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 943.1 / 88
p0 71.38 ± 0.05492
76
74
72
70
68


asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 94.29 / 88
p0 409.8 ± 464.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 89
Mean 238.4
Std Dev 208.2
pull1D
Entries 89
Mean −0.006169
Std Dev 1.029

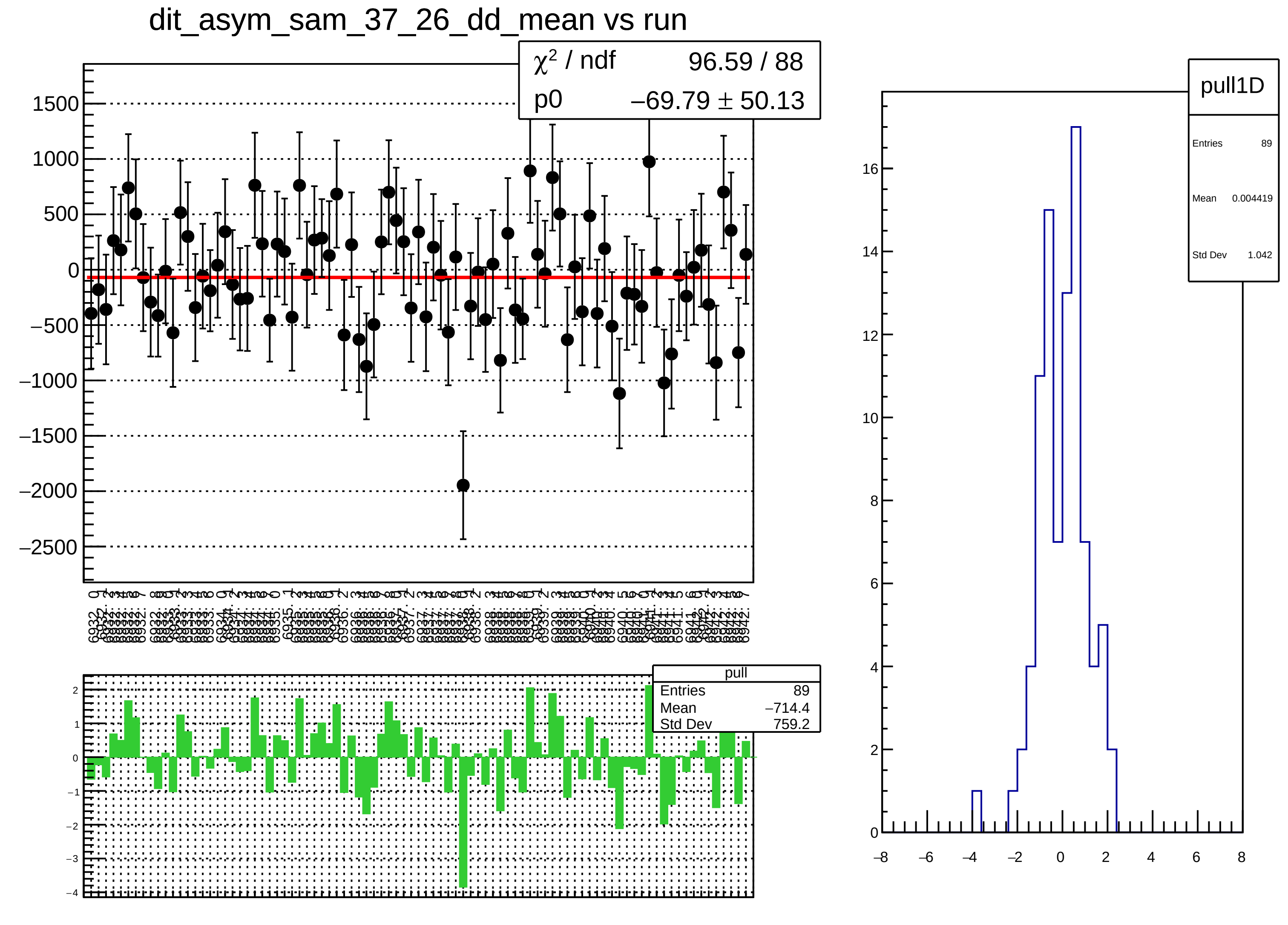

asym_sam_15_26_dd_correction_rms vs run
χ2 / ndf 6794 / 88
p0 426.3 ± 0.3286
520
500
480
460
440
420
400
380



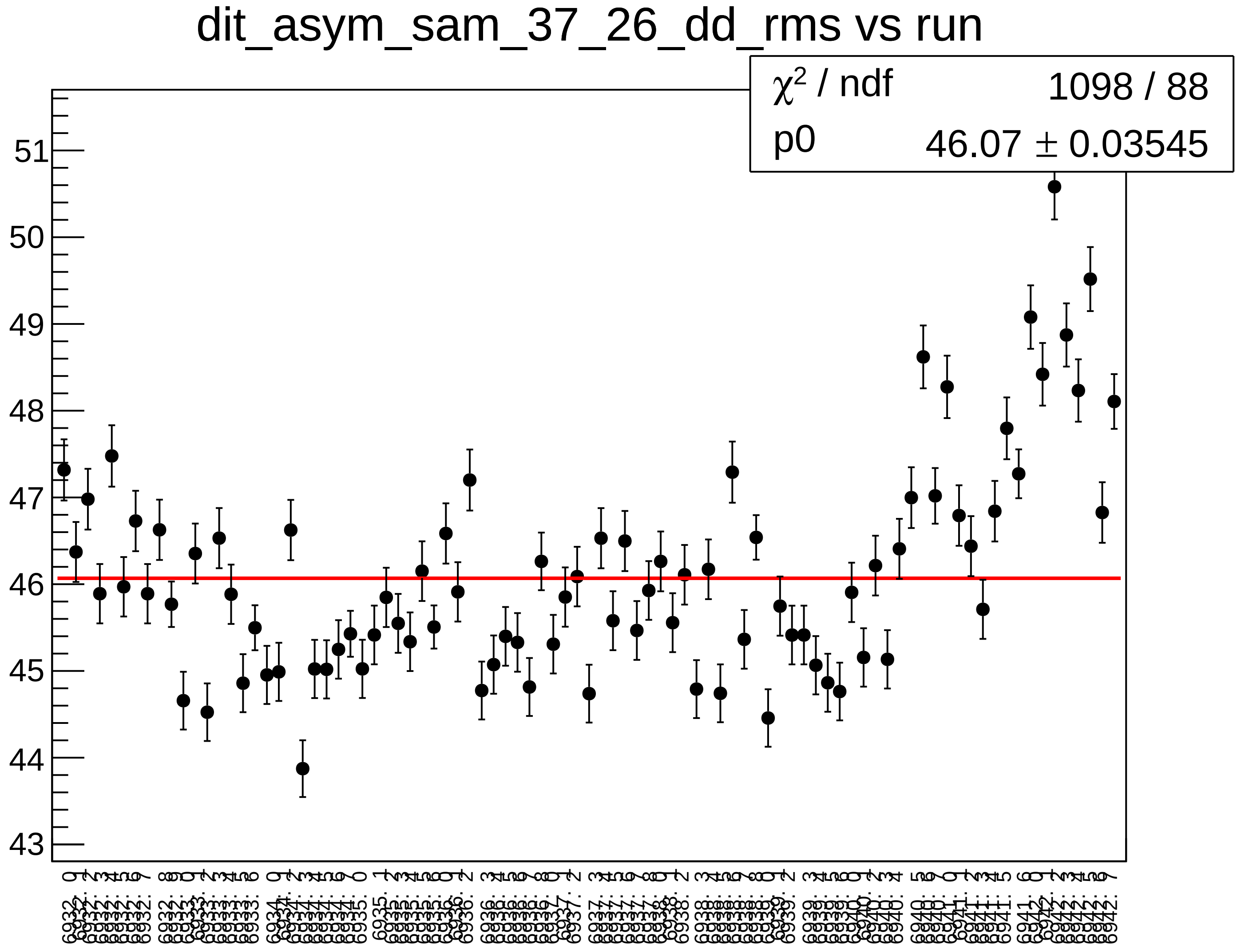
asym_sam_15_26_dd_mean vs run
χ2 / ndf 95.59 / 88
p0 −414.4 ± 457.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 89
Mean 410.9
Std Dev 388.2
pull1D
Entries 89
Mean 0.002487
Std Dev 1.036



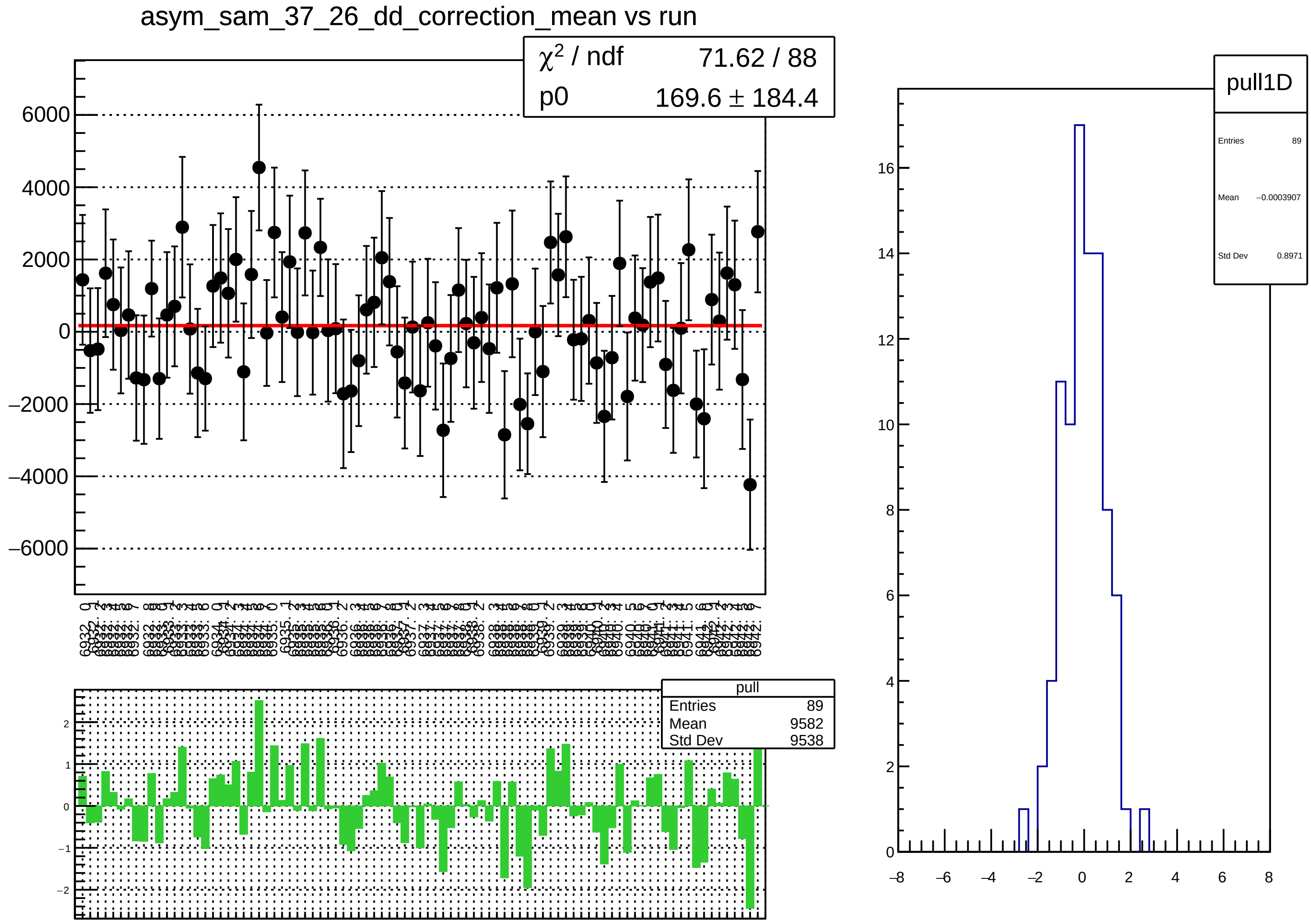
asym_sam_15_26_dd_rms vs run
χ2 / ndf 9449 / 88
p0 419.6 ± 0.3237
520
500
480
460
440
420
400
380
360



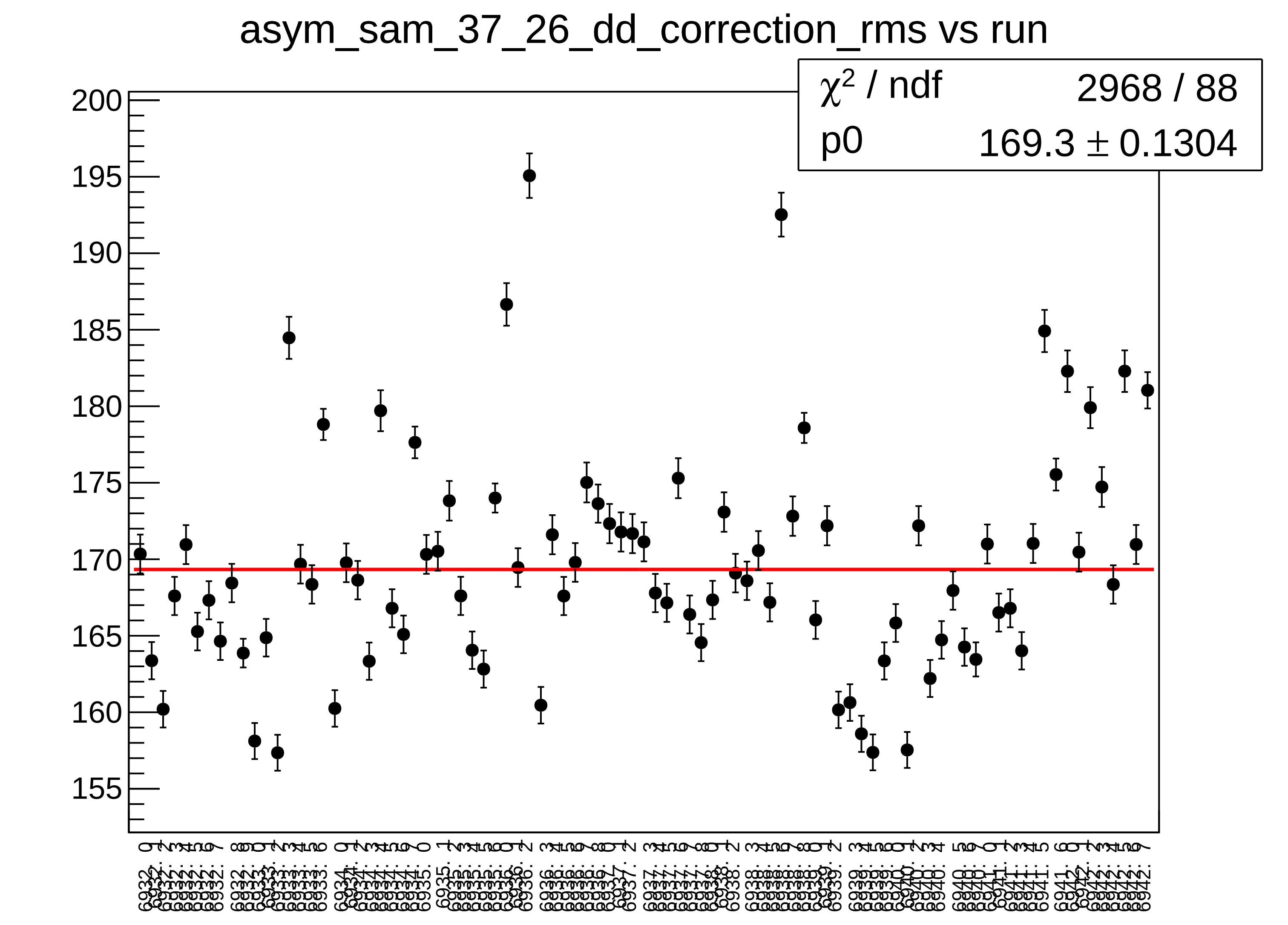
dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 96.59 / 88
p0 −69.79 ± 50.13
pull
Entries 89
Mean −714.4
Std Dev 759.2
pull1D
Entries 89
Mean 0.004419
Std Dev 1.042



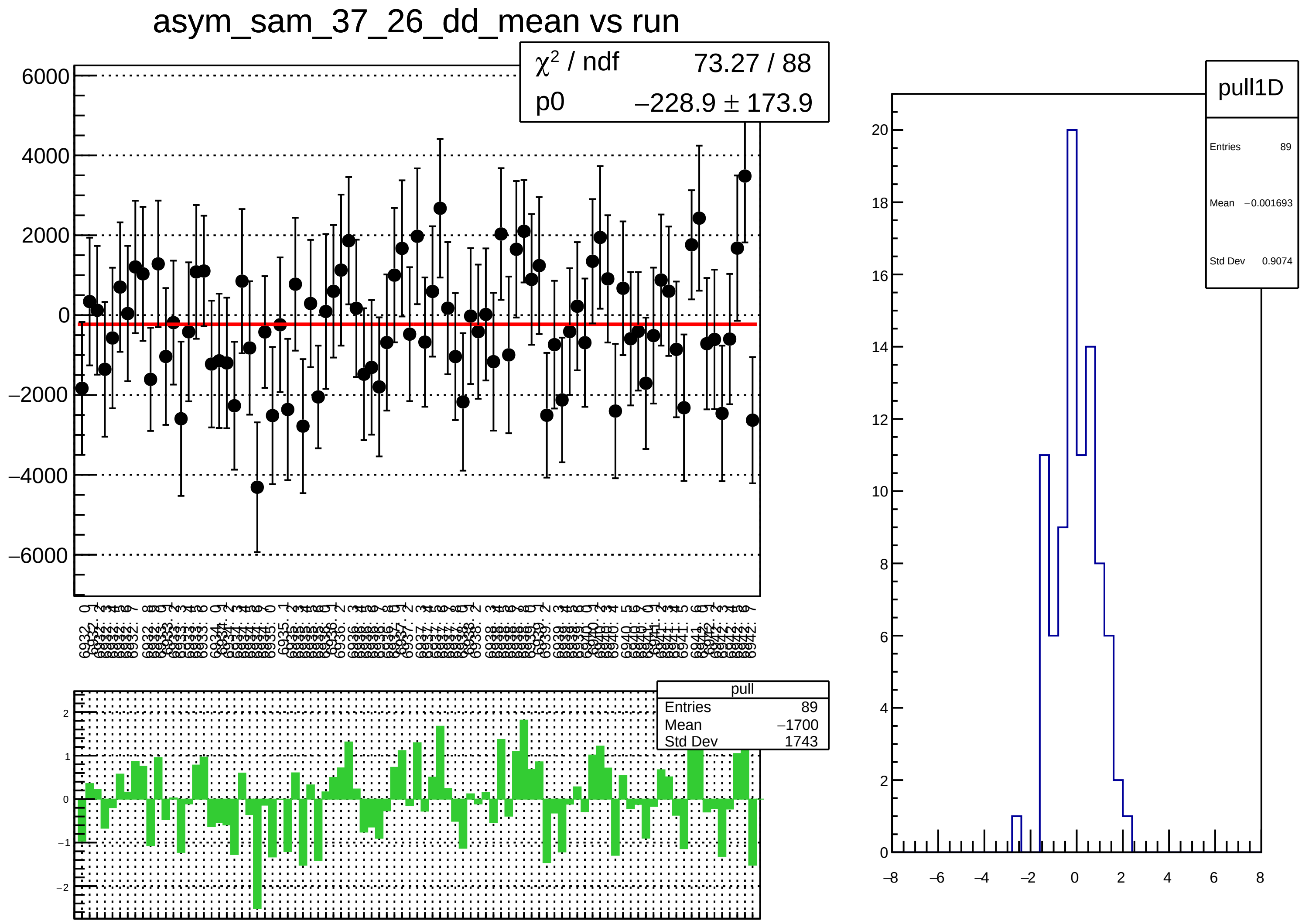
dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1098 / 88
p0 46.07 ± 0.03545



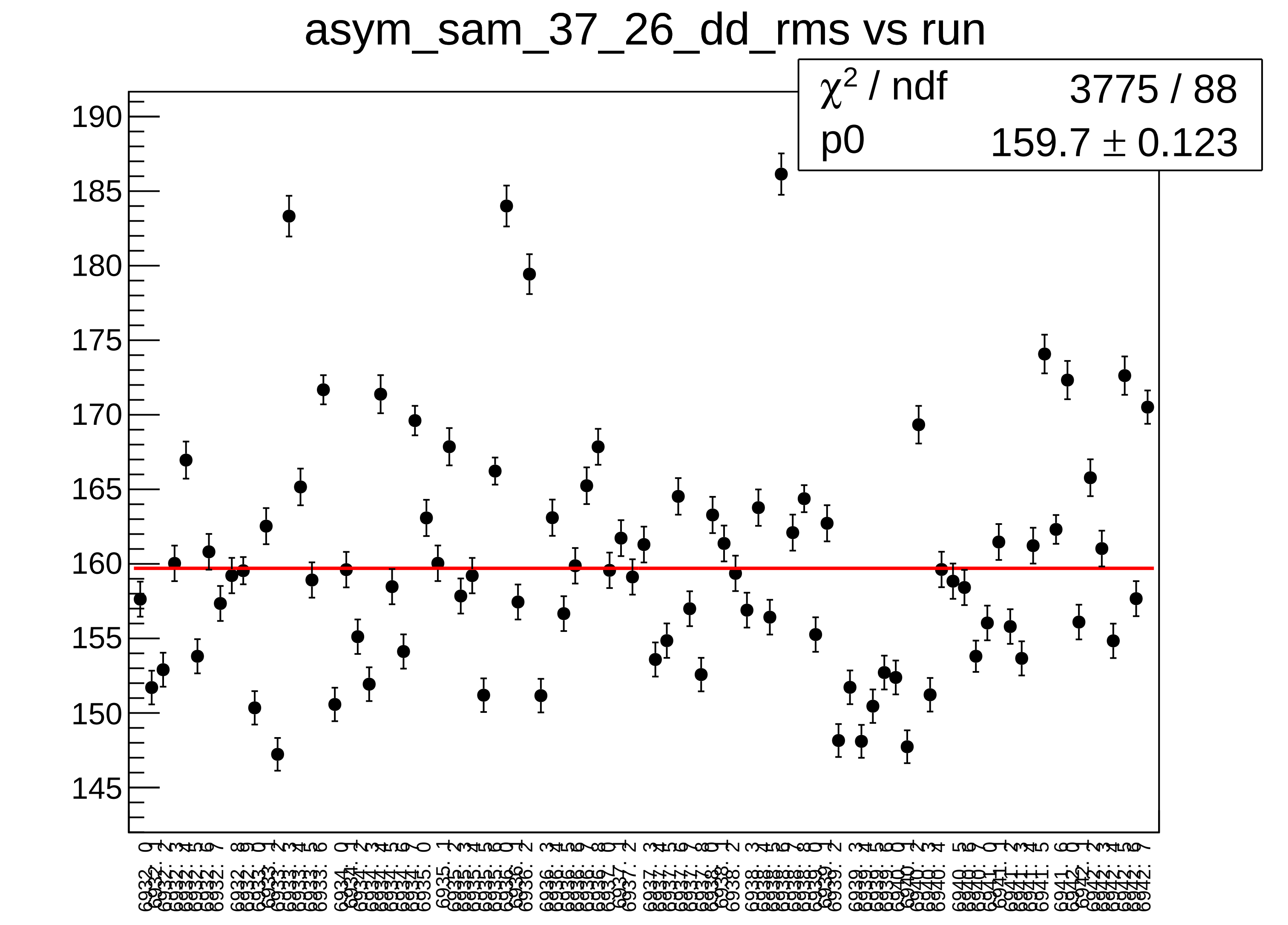
asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 71.62 / 88
p0 169.6 ± 184.4
pull
Entries 89
Mean 9582
Std Dev 9538
pull1D
Entries 89
Mean −0.0003907
Std Dev 0.8971



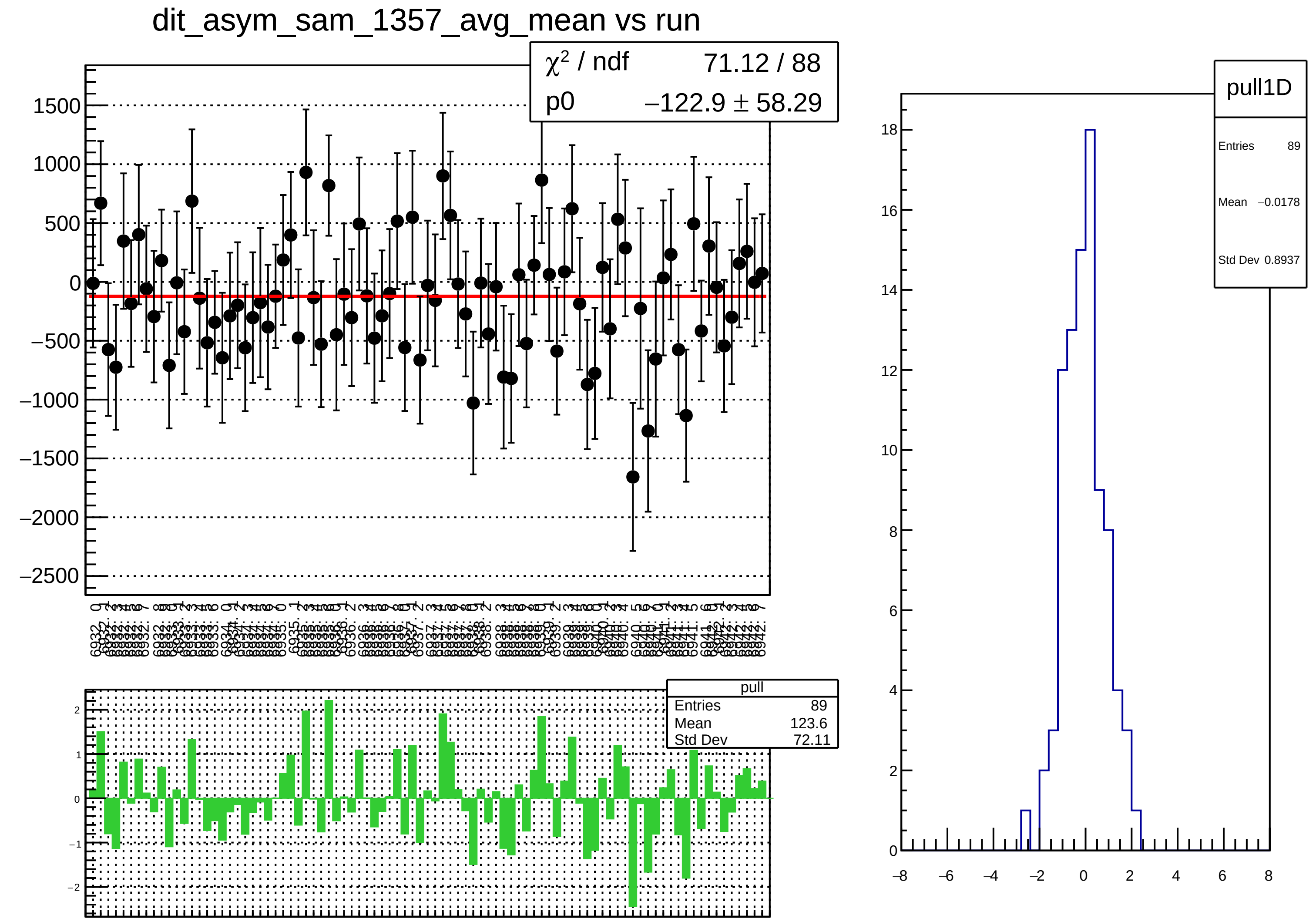
asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 2968 / 88
p0 169.3 ± 0.1304
200
195
190
185
180
175
170
165
160
155



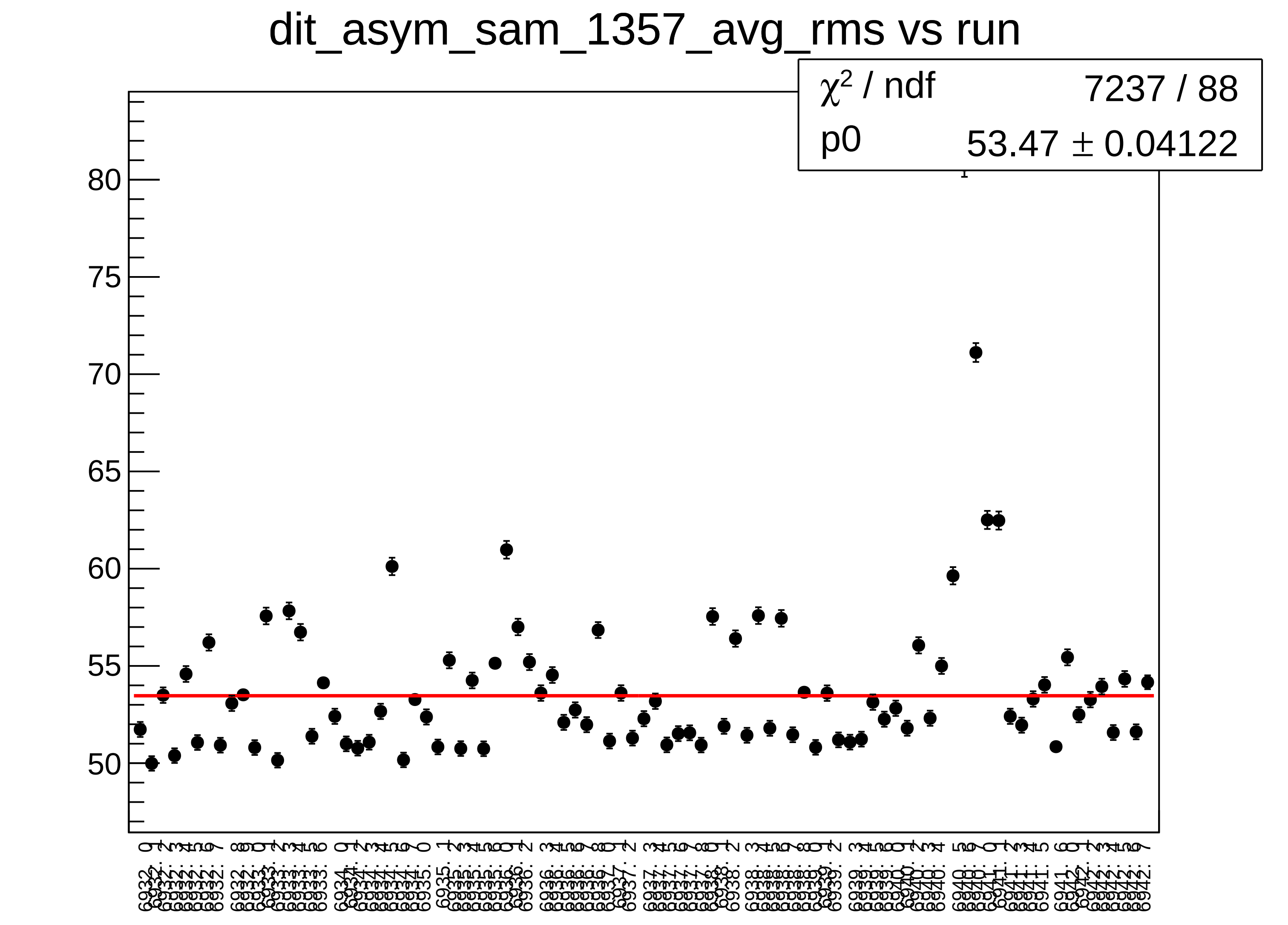
asym_sam_37_26_dd_mean vs run
χ^2 / ndf 73.27 / 88
p0 −228.9 ± 173.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −1700
Std Dev 1743
pull1D
Entries 89
Mean −0.001693
Std Dev 0.9074

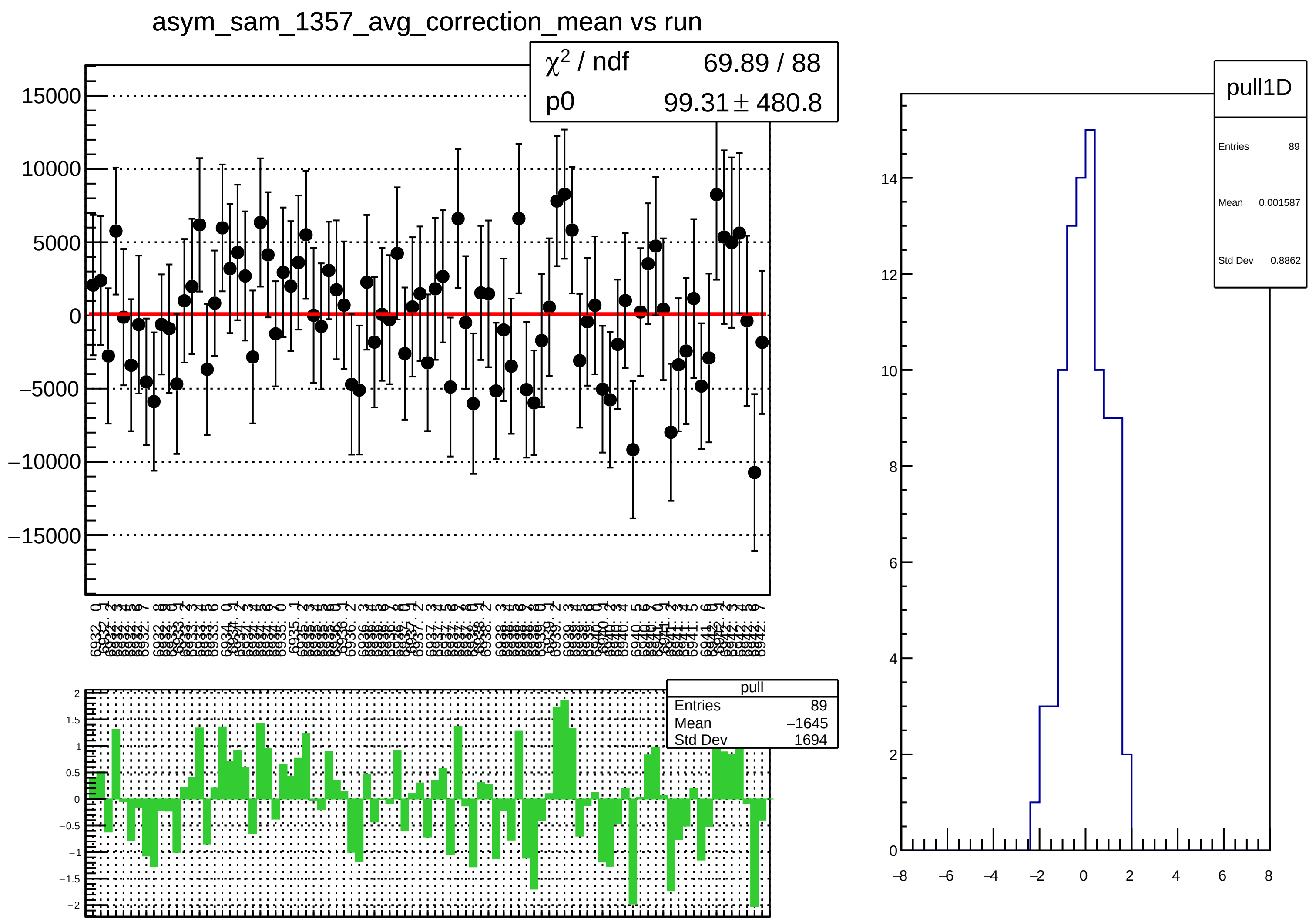


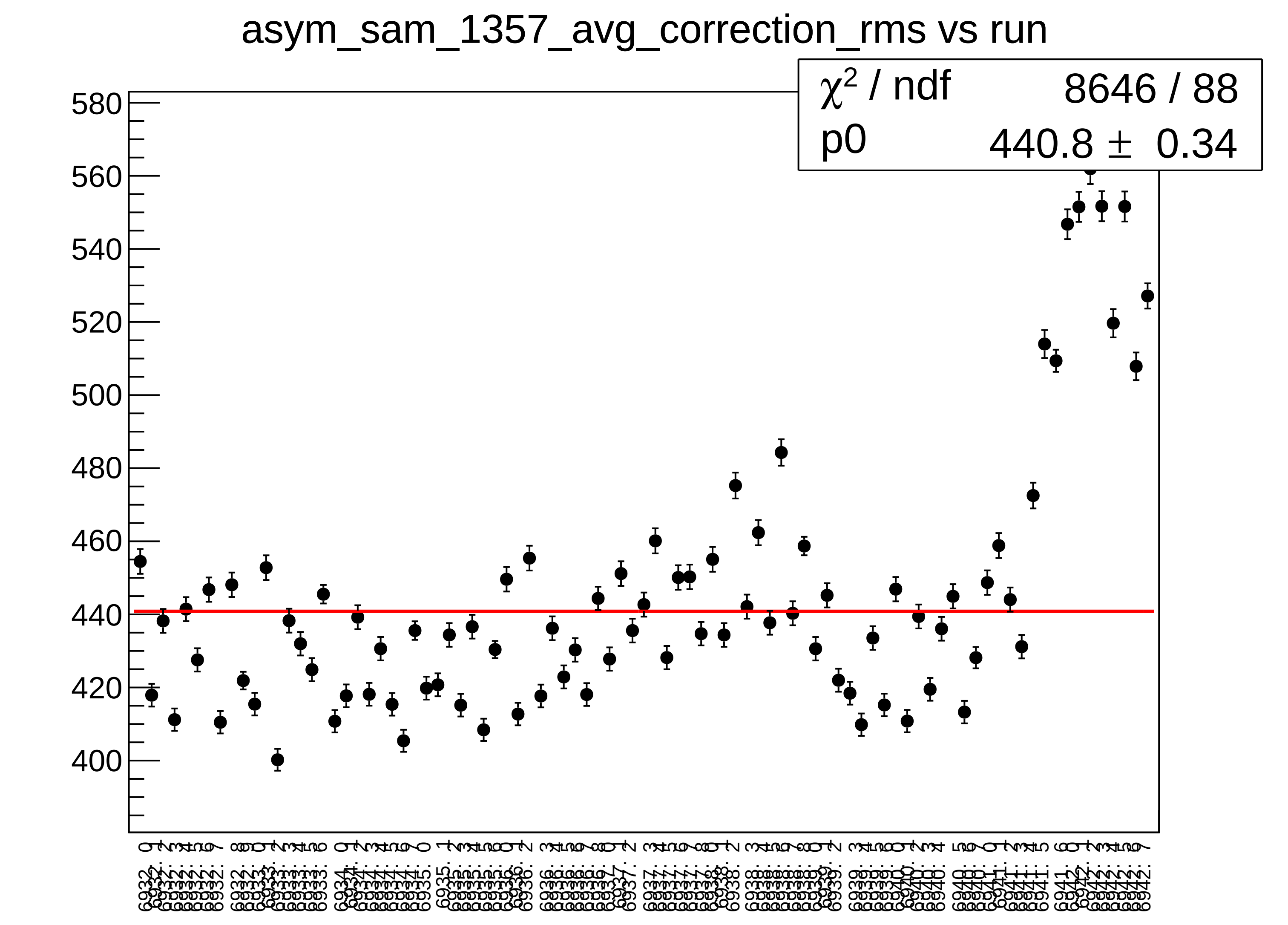
asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3775 / 88
p0 159.7 ± 0.123
190
185
180
175
170
165
160
155
150
145



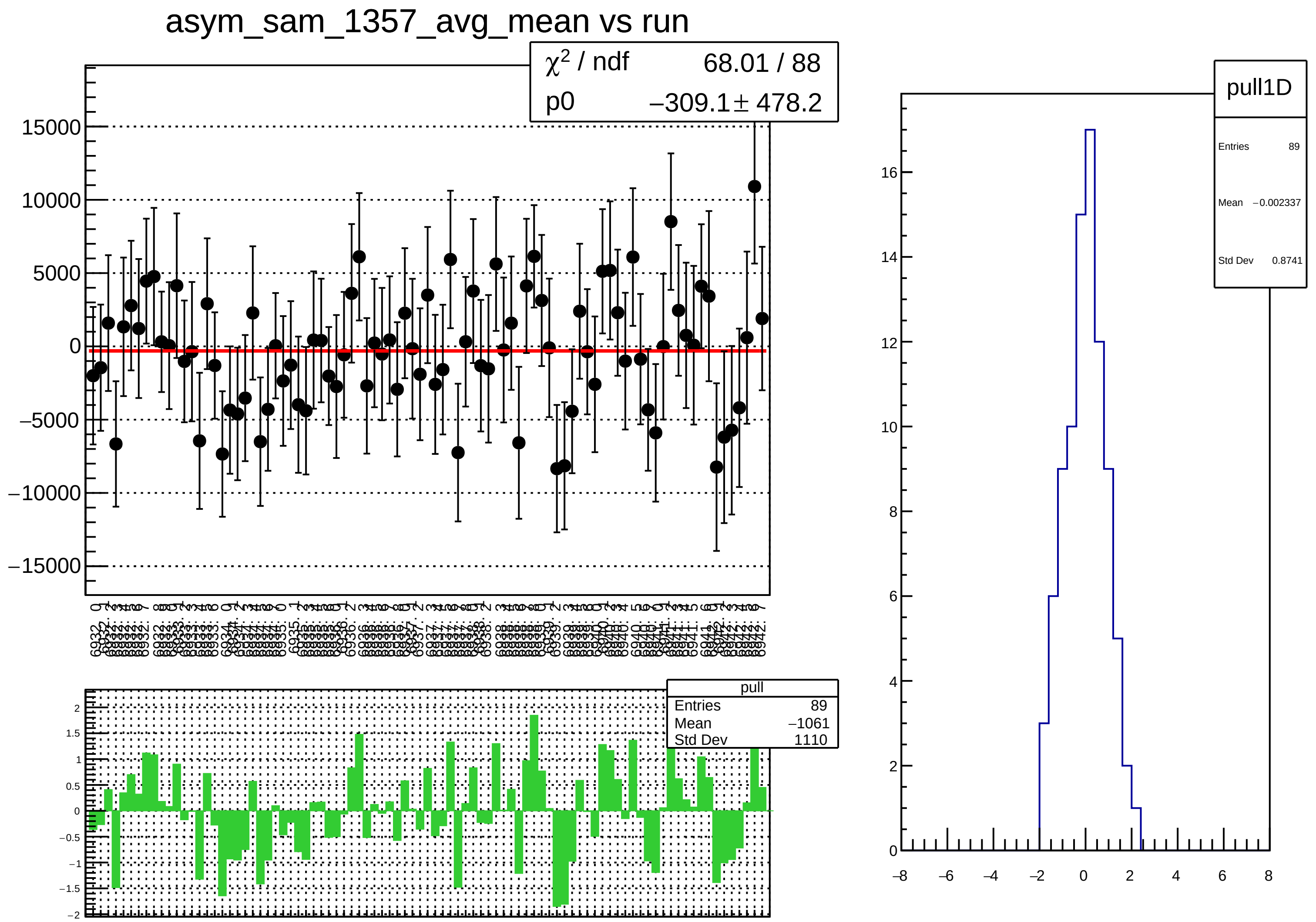
dit_asym_sam_1357_avg_mean vs run
χ² / ndf 71.12 / 88
p0 −122.9 ± 58.29
pull
Entries 89
Mean 123.6
Std Dev 72.11
pull1D
Entries 89
Mean −0.0178
Std Dev 0.8937


dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 7237 / 88
p0 53.47 ± 0.04122
80
75
70
65
60
55
50

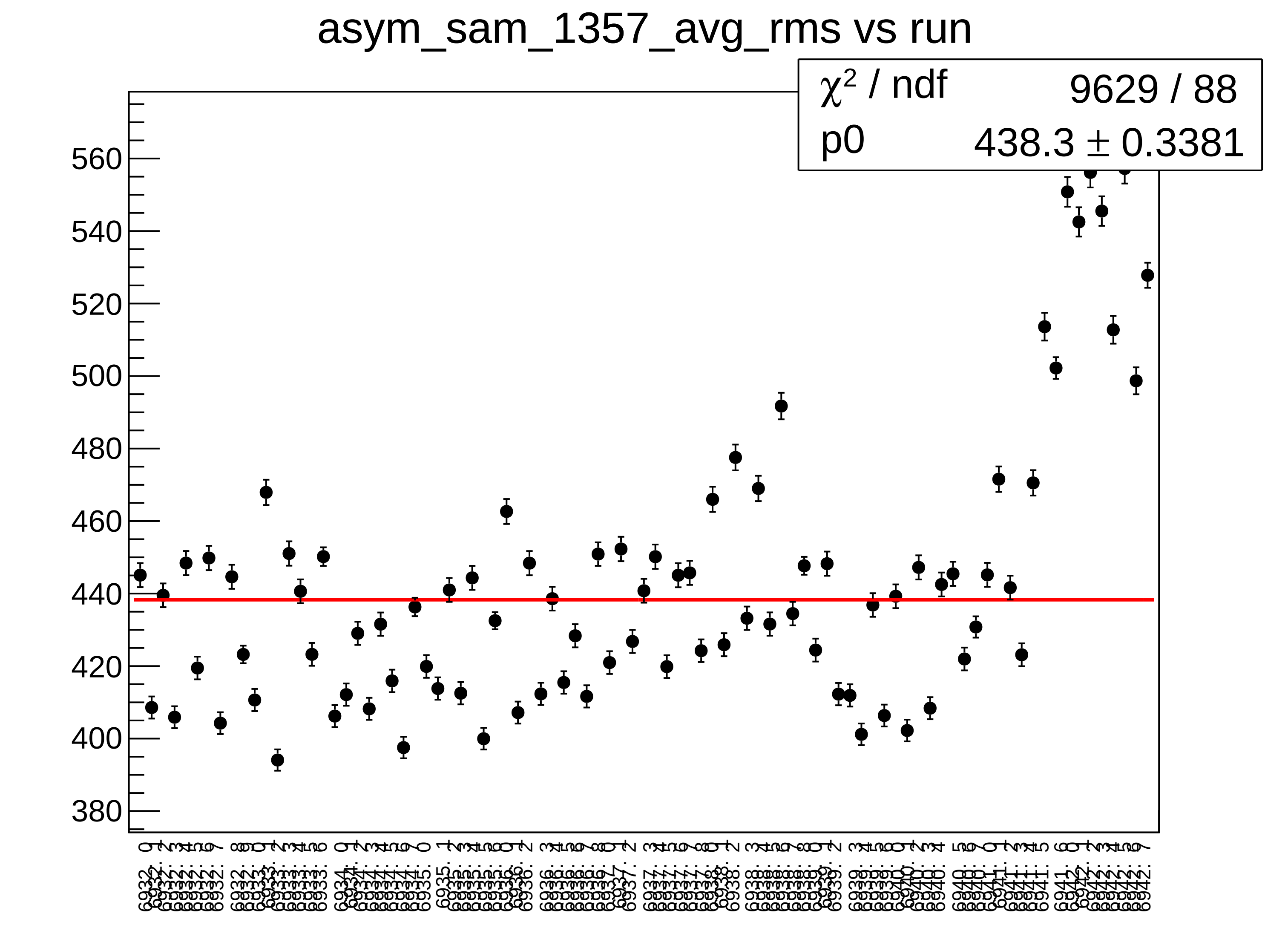

asym_sam_1357_avg_correction_mean vs run
χ2 / ndf 69.89 / 88
p0 99.31 ± 480.8
pull
Entries 89
Mean −1645
Std Dev 1694
pull1D
Entries 89
Mean 0.001587
Std Dev 0.8862

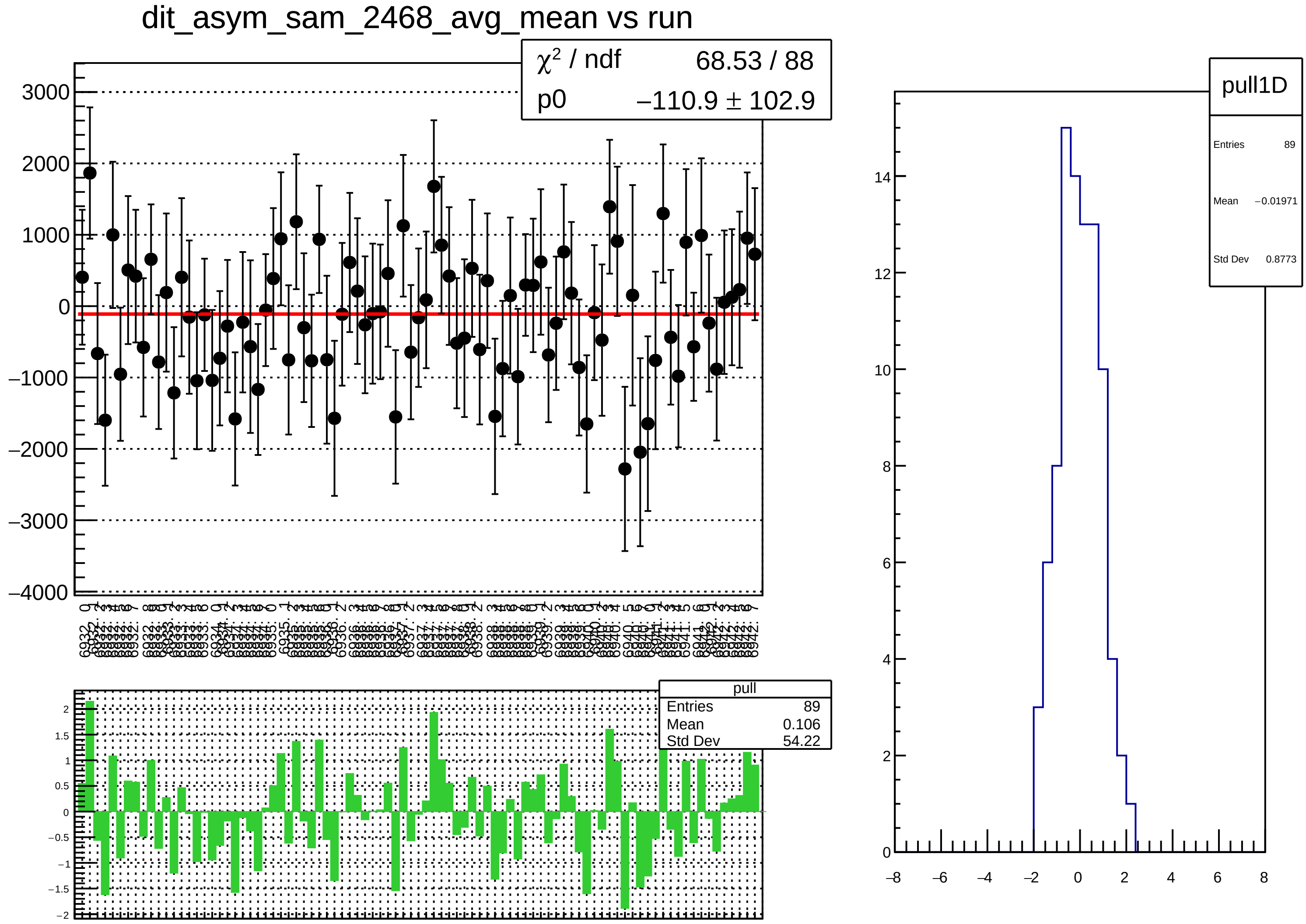


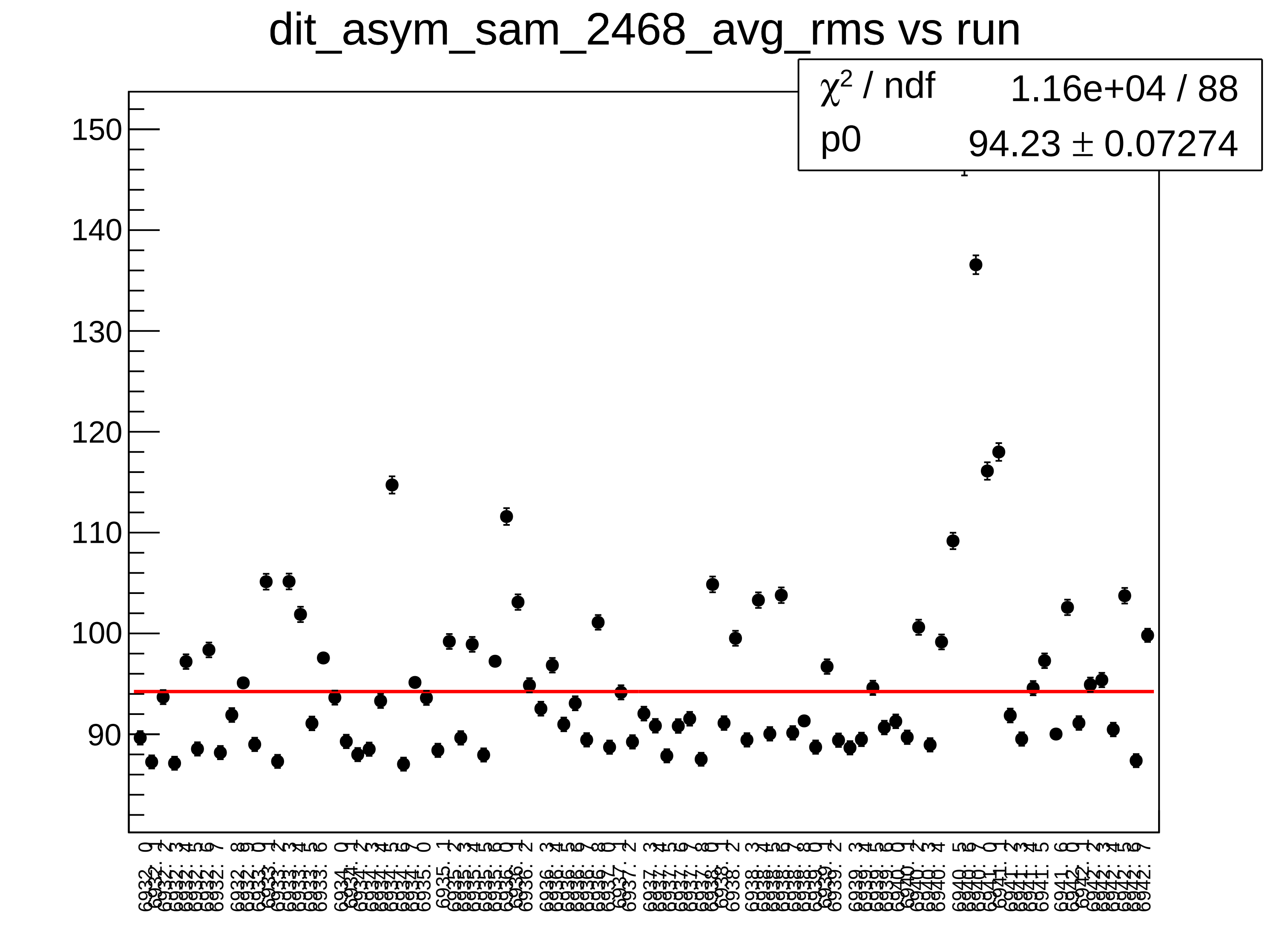
asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 8646 / 88
p0 440.8 ± 0.34



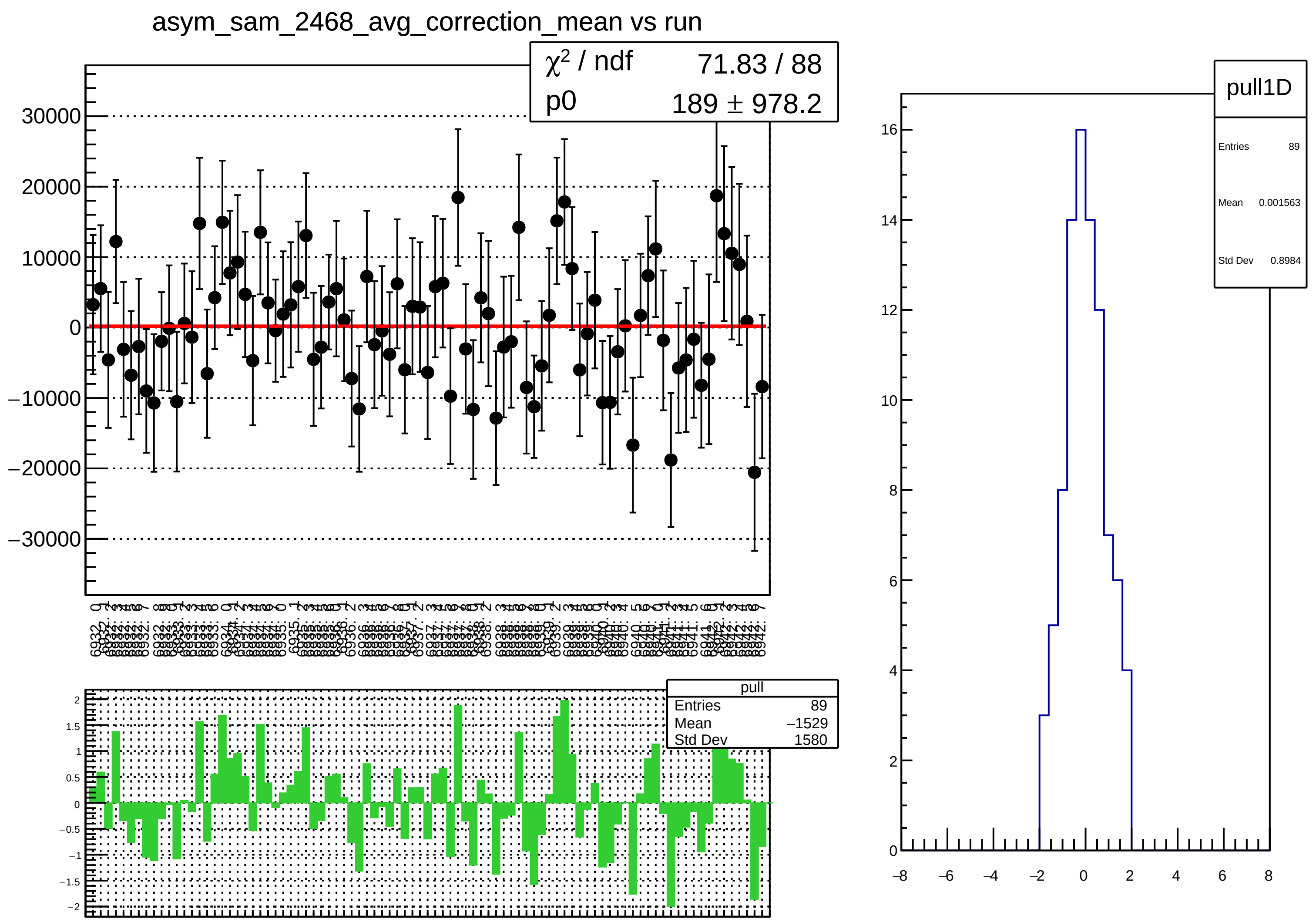
asym_sam_1357_avg_mean vs run
χ^2 / ndf 68.01 / 88
p0 −309.1 ± 478.2
pull
Entries 89
Mean −1061
Std Dev 1110
pull1D
Entries 89
Mean −0.002337
Std Dev 0.8741


asym_sam_1357_avg_rms vs run
χ^2 / ndf 9629 / 88
p0 438.3 ± 0.3381
560
540
520
500
480
460
440
420
400
380

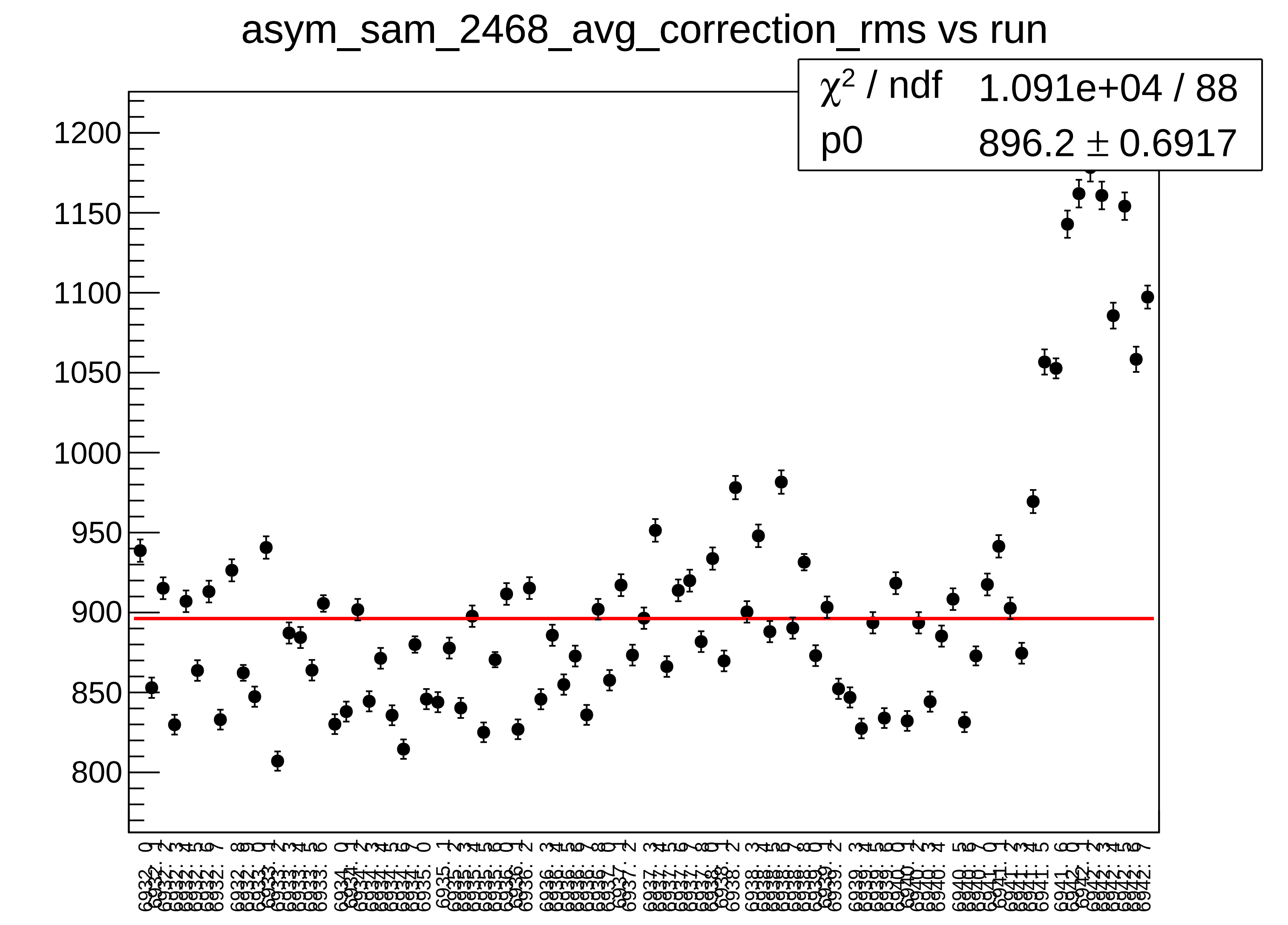

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 68.53 / 88
p0 −110.9 ± 102.9
pull
Entries 89
Mean 0.106
Std Dev 54.22
pull1D
Entries 89
Mean −0.01971
Std Dev 0.8773



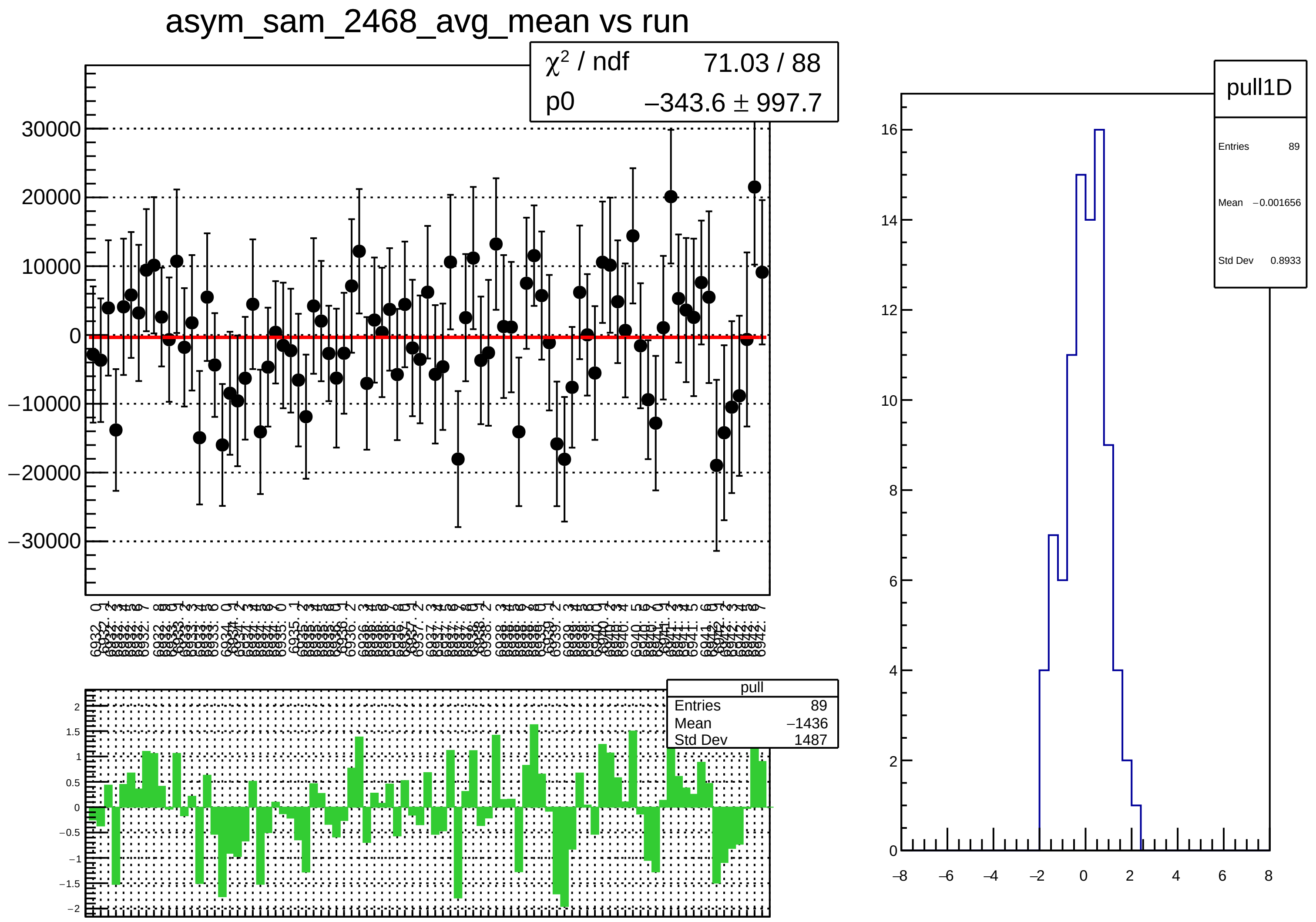
dit_asym_sam_2468_avg_rms vs run
χ2 / ndf 1.16e+04 / 88
p0 94.23 ± 0.07274
150
140
130
120
110
100
90

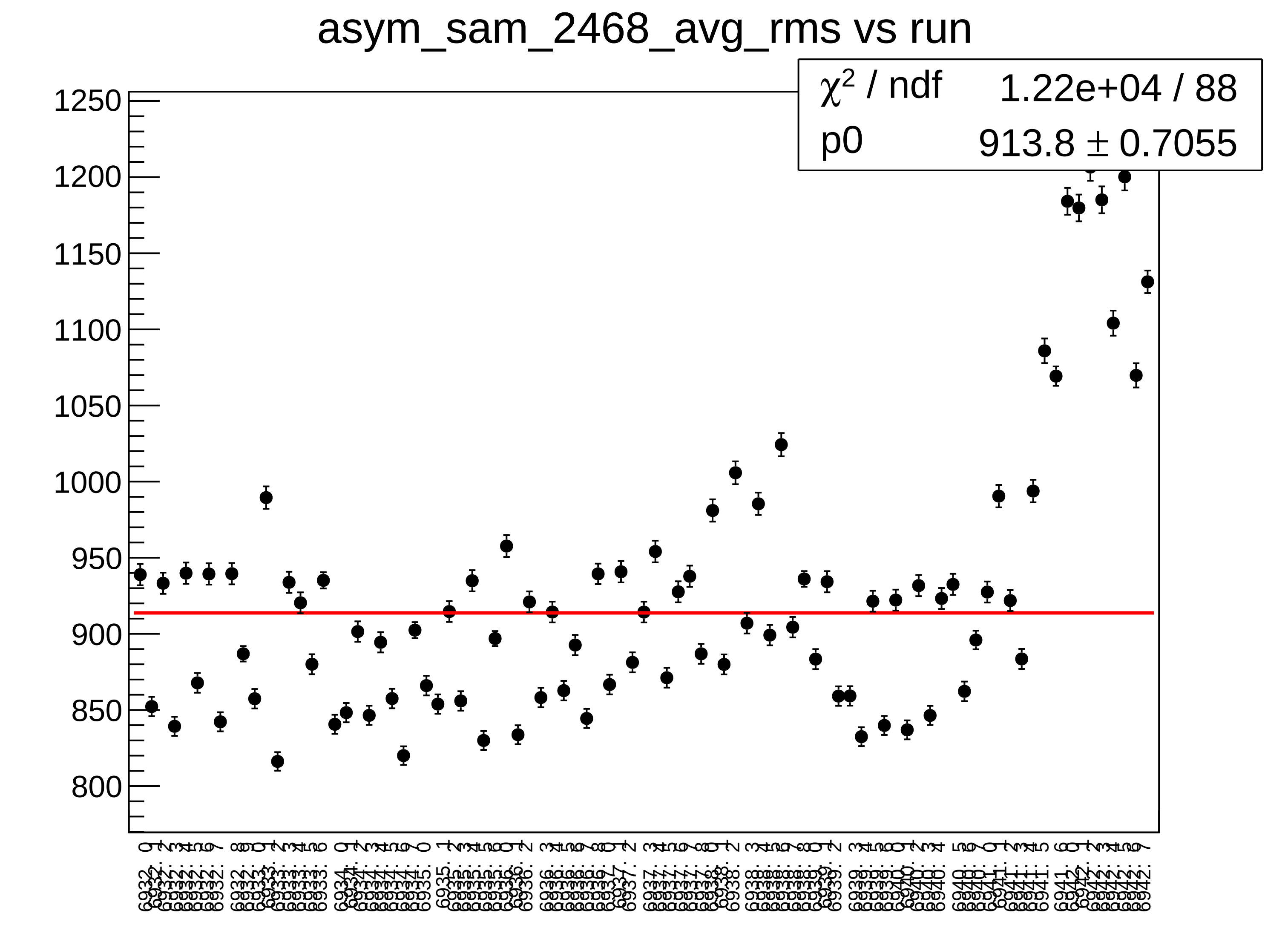


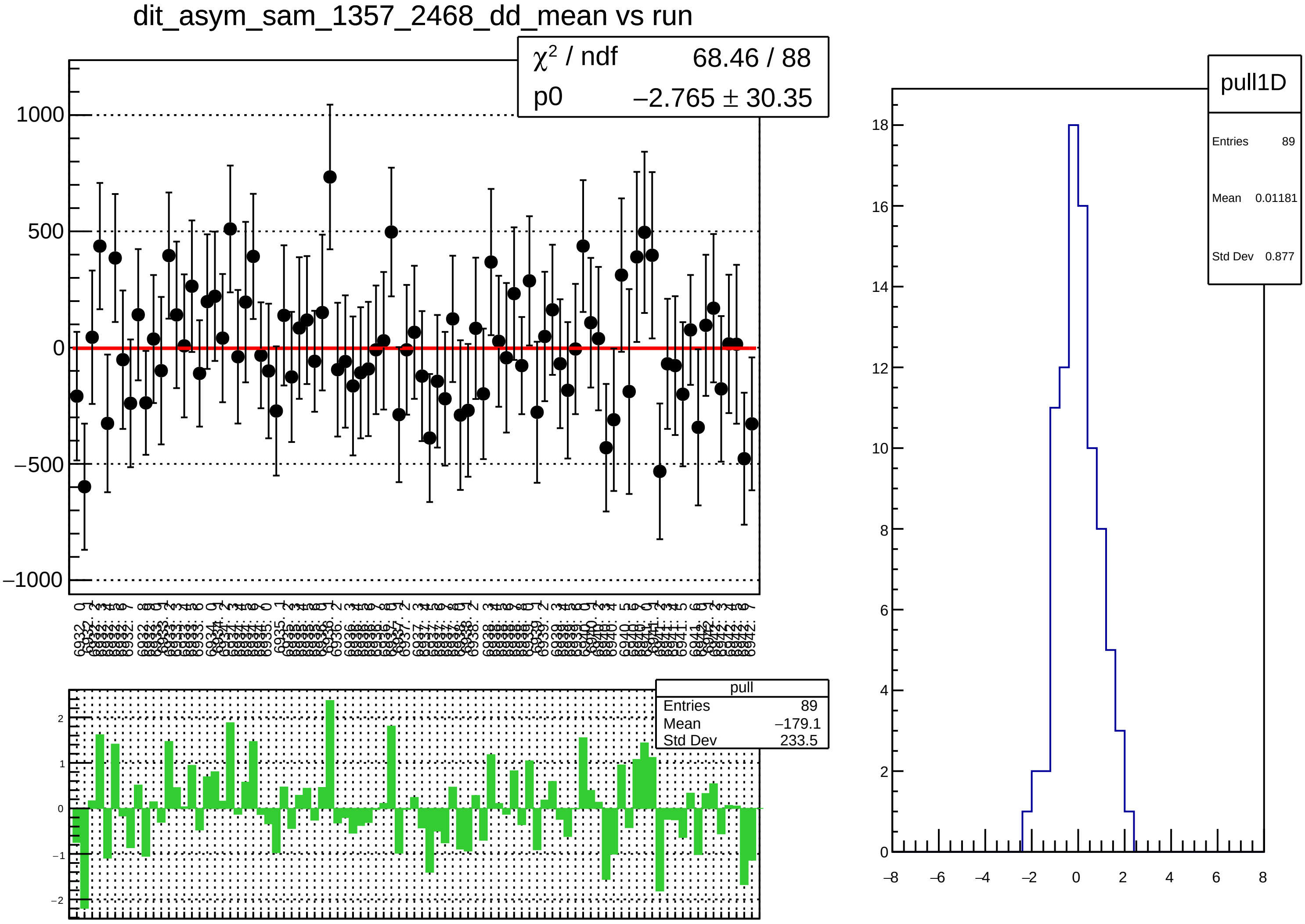
asym_sam_2468_avg_correction_mean vs run
χ2 / ndf 71.83 / 88
p0 189 ± 978.2
pull
Entries 89
Mean −1529
Std Dev 1580
pull1D
Entries 89
Mean 0.001563
Std Dev 0.8984



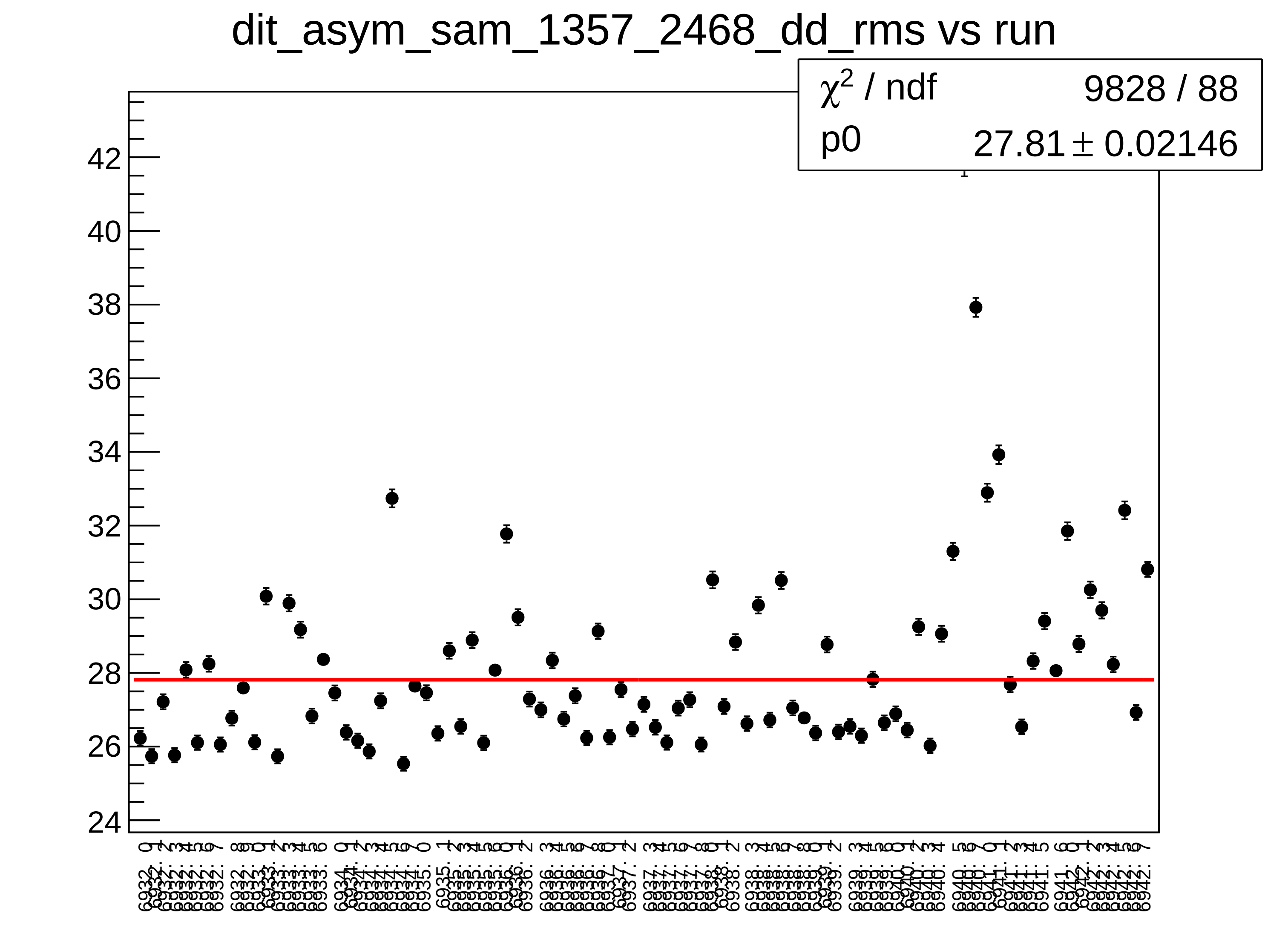
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 1.091e+04 / 88
p0 896.2 ± 0.6917
1200
1150
1100
1050
1000
950
900
850
800

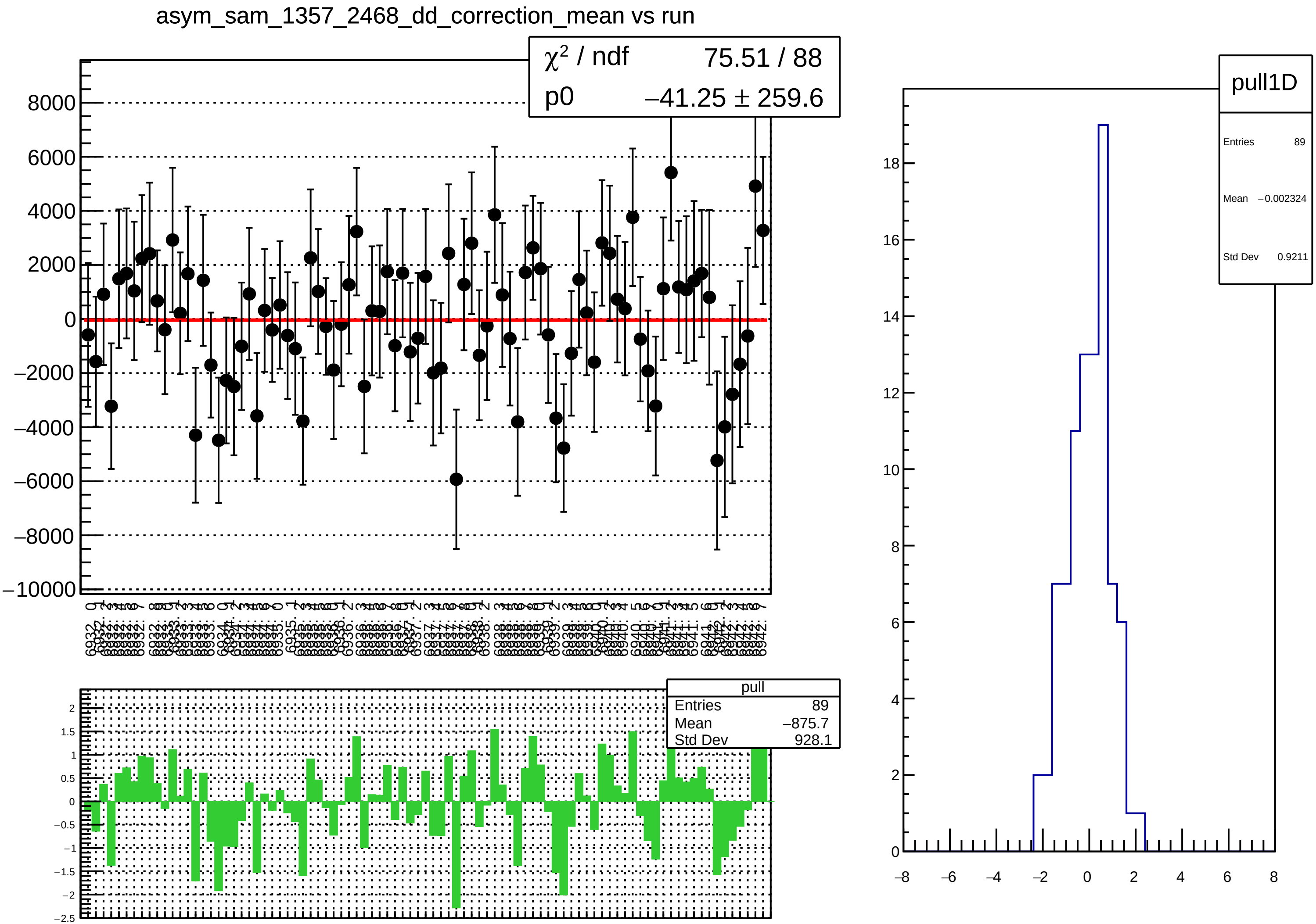

asym_sam_2468_avg_mean vs run
χ^2 / ndf 71.03 / 88
p0 −343.6 ± 997.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −1436
Std Dev 1487
pull1D
Entries 89
Mean −0.001656
Std Dev 0.8933


asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.22e+04 / 88
p0 913.8 ± 0.7055
1250
1200
1150
1100
1050
1000
950
900
850
800

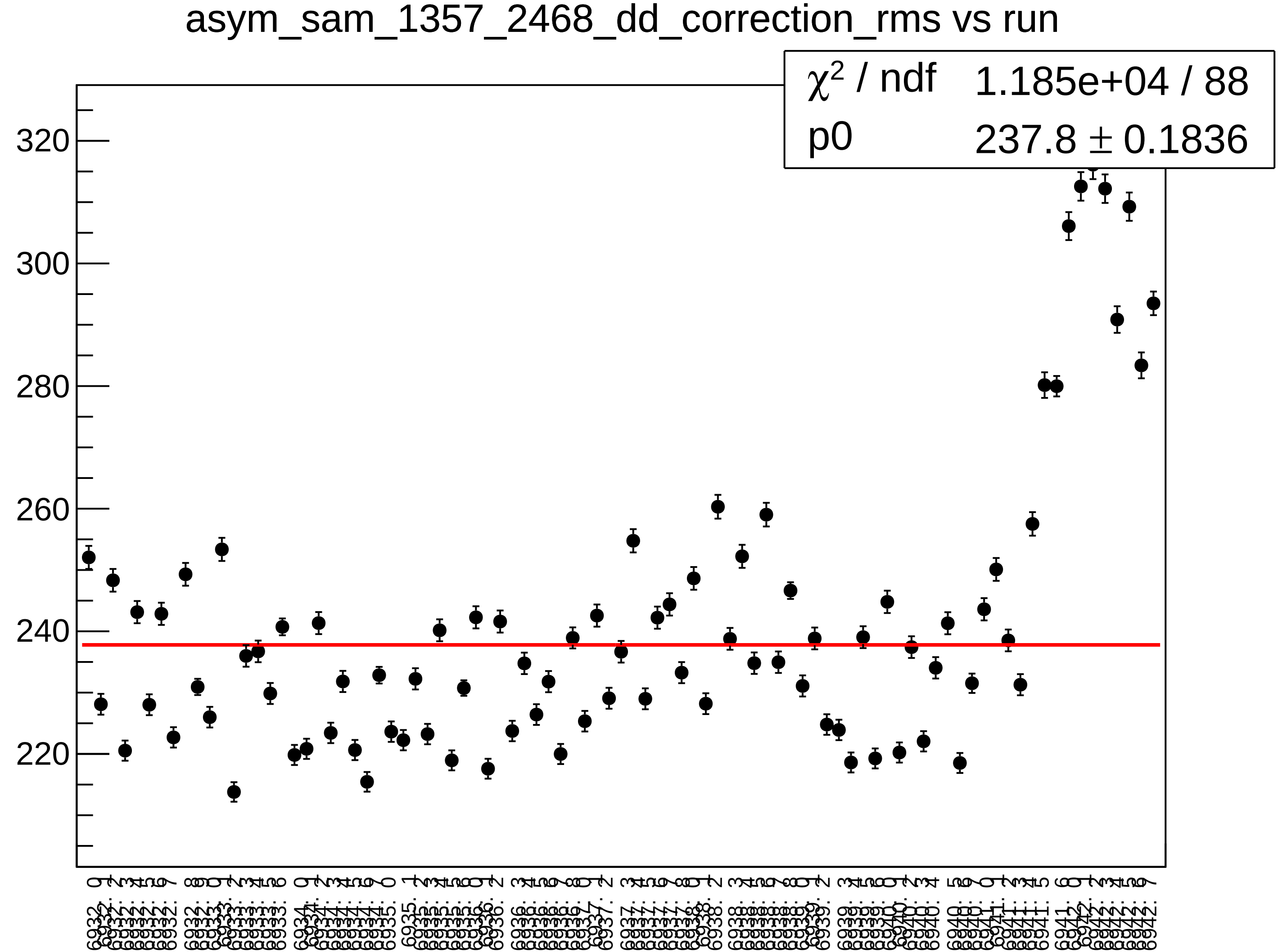


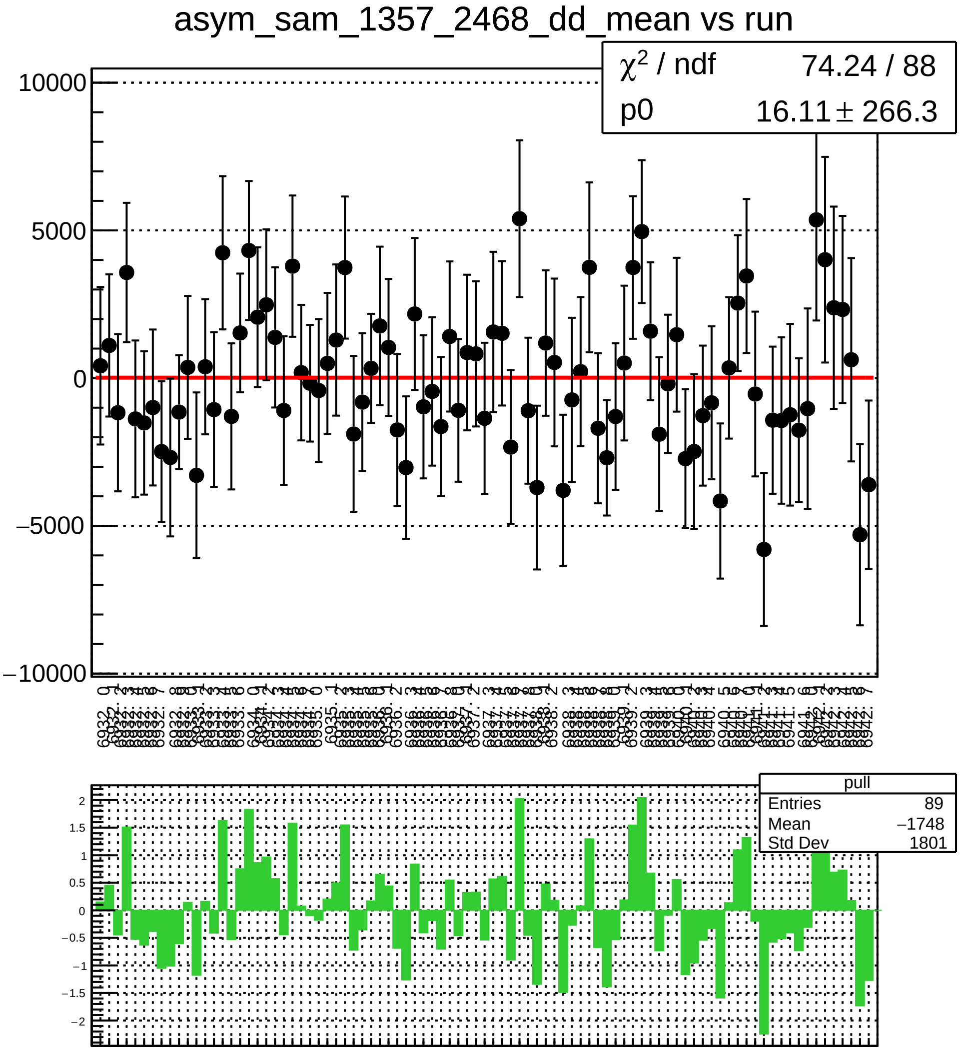
dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 68.46 / 88
p0 −2.765 ± 30.35
pull
Entries 89
Mean −179.1
Std Dev 233.5
pull1D
Entries 89
Mean 0.01181
Std Dev 0.877


dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9828 / 88
p0 27.81 ± 0.02146
24
26
28
30
32
34
36
38
40
42

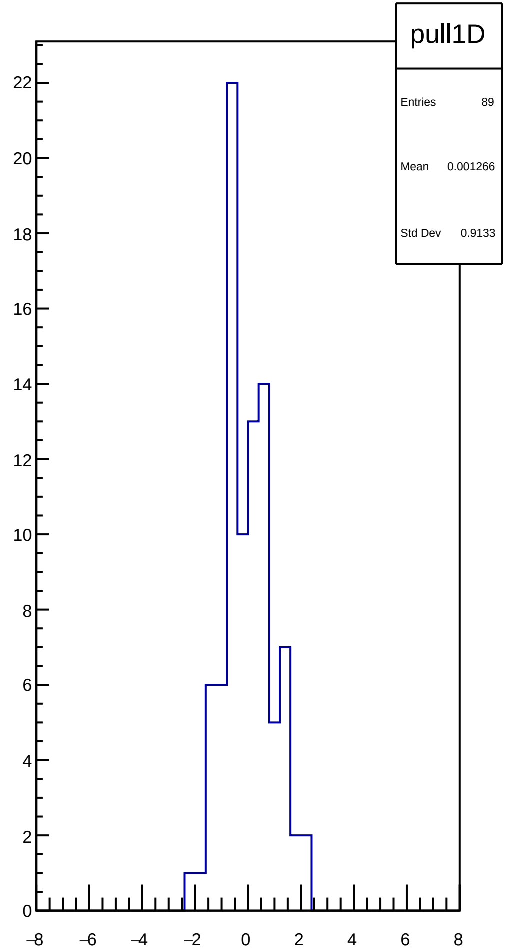


asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 75.51 / 88
p0 −41.25 ± 259.6
pull
Entries 89
Mean −875.7
Std Dev 928.1
pull1D
Entries 89
Mean −0.002324
Std Dev 0.9211

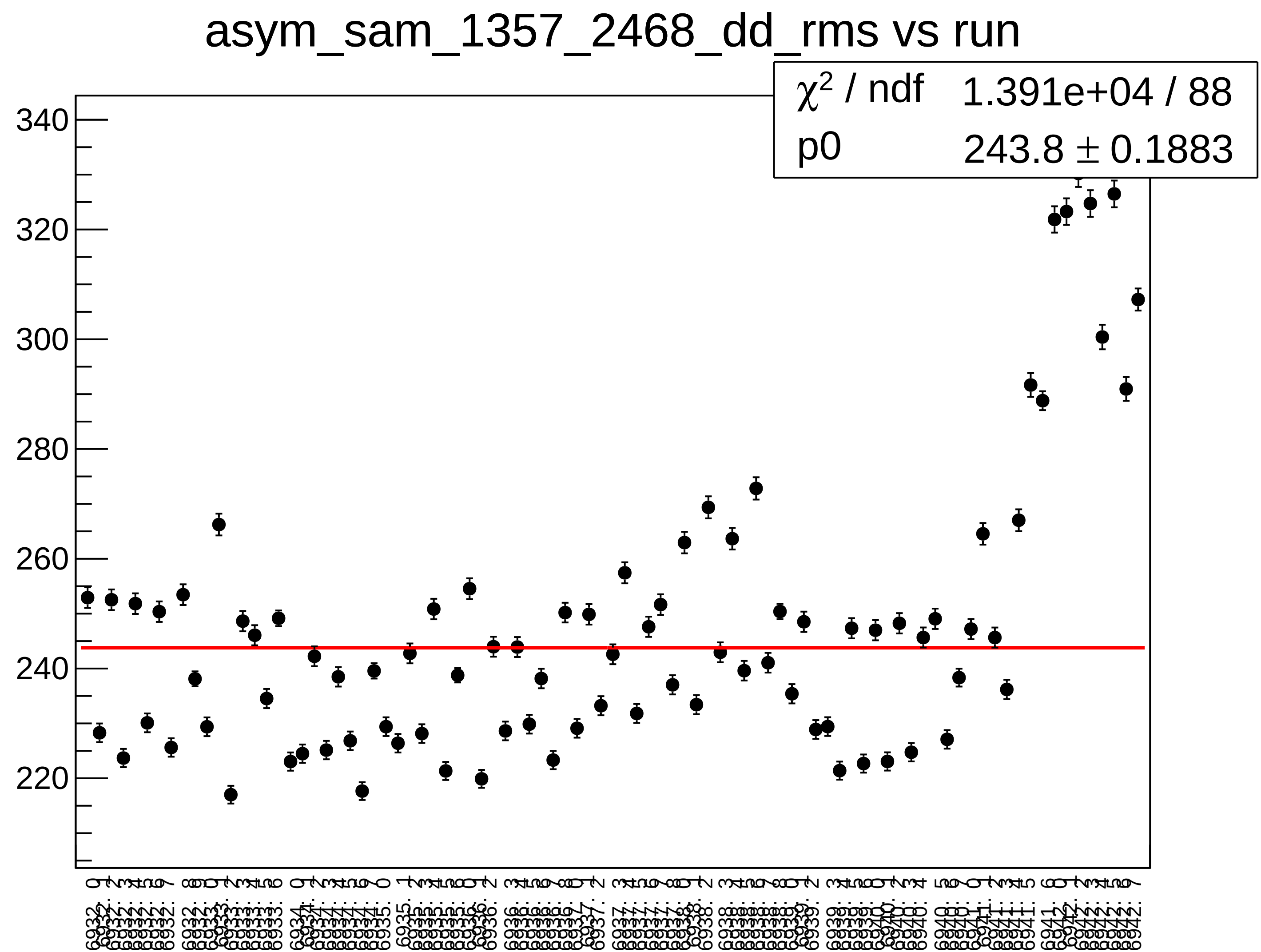

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 1.185e+04 / 88
p0 237.8 ± 0.1836
320
300
280
260
240
220

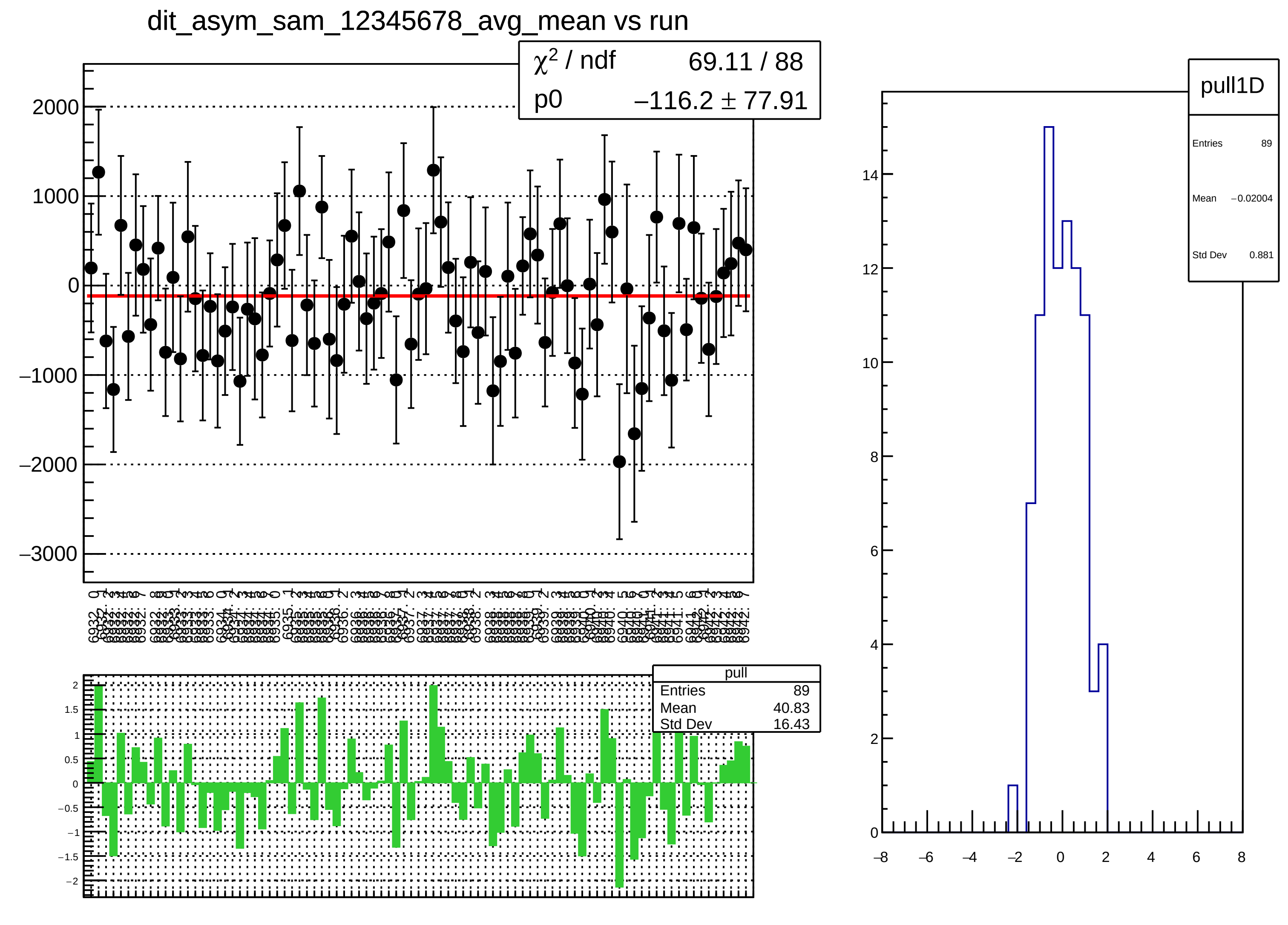


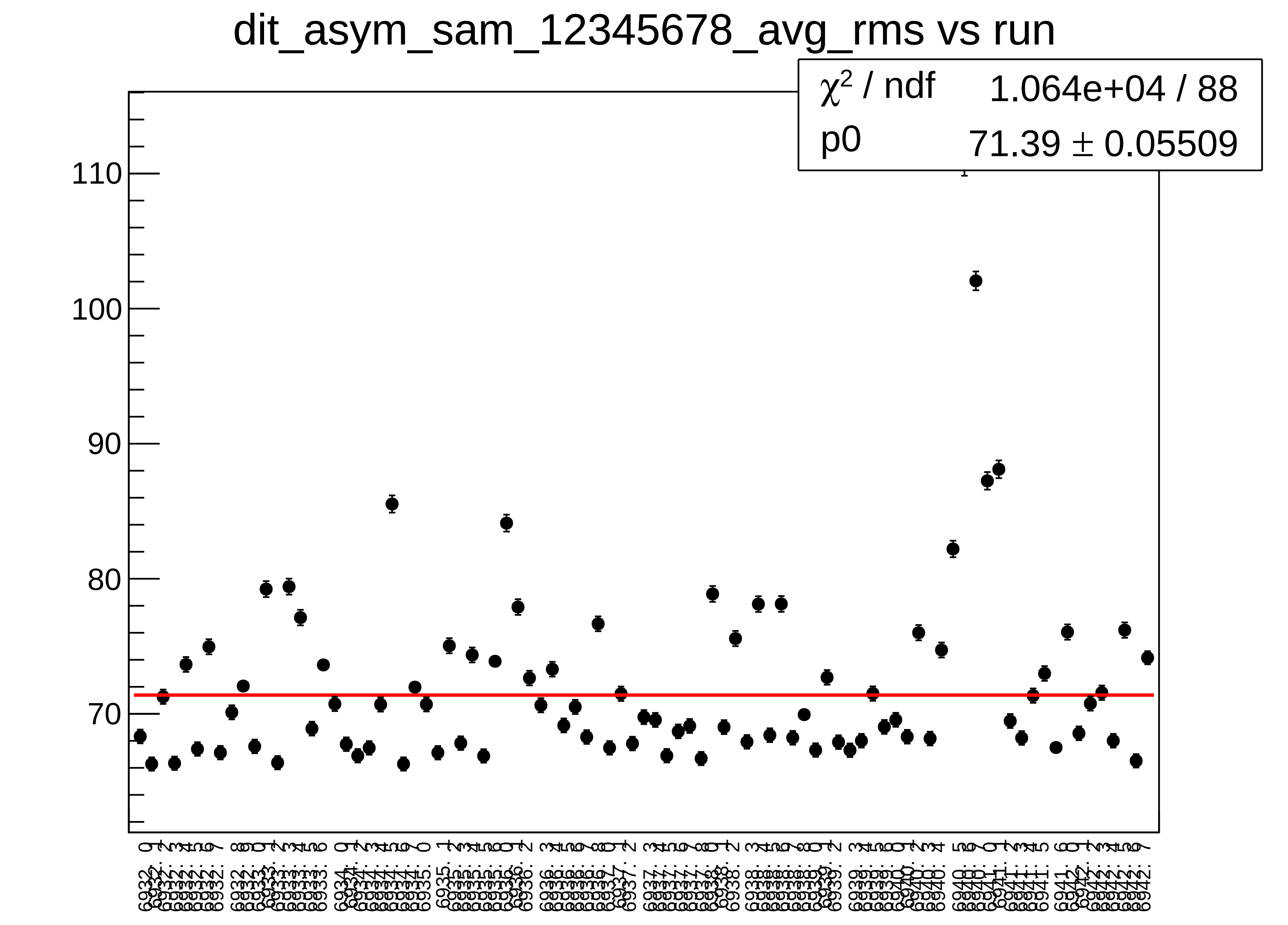
asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 74.24 / 88
p0 16.11 ± 266.3
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −1748
Std Dev 1801
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

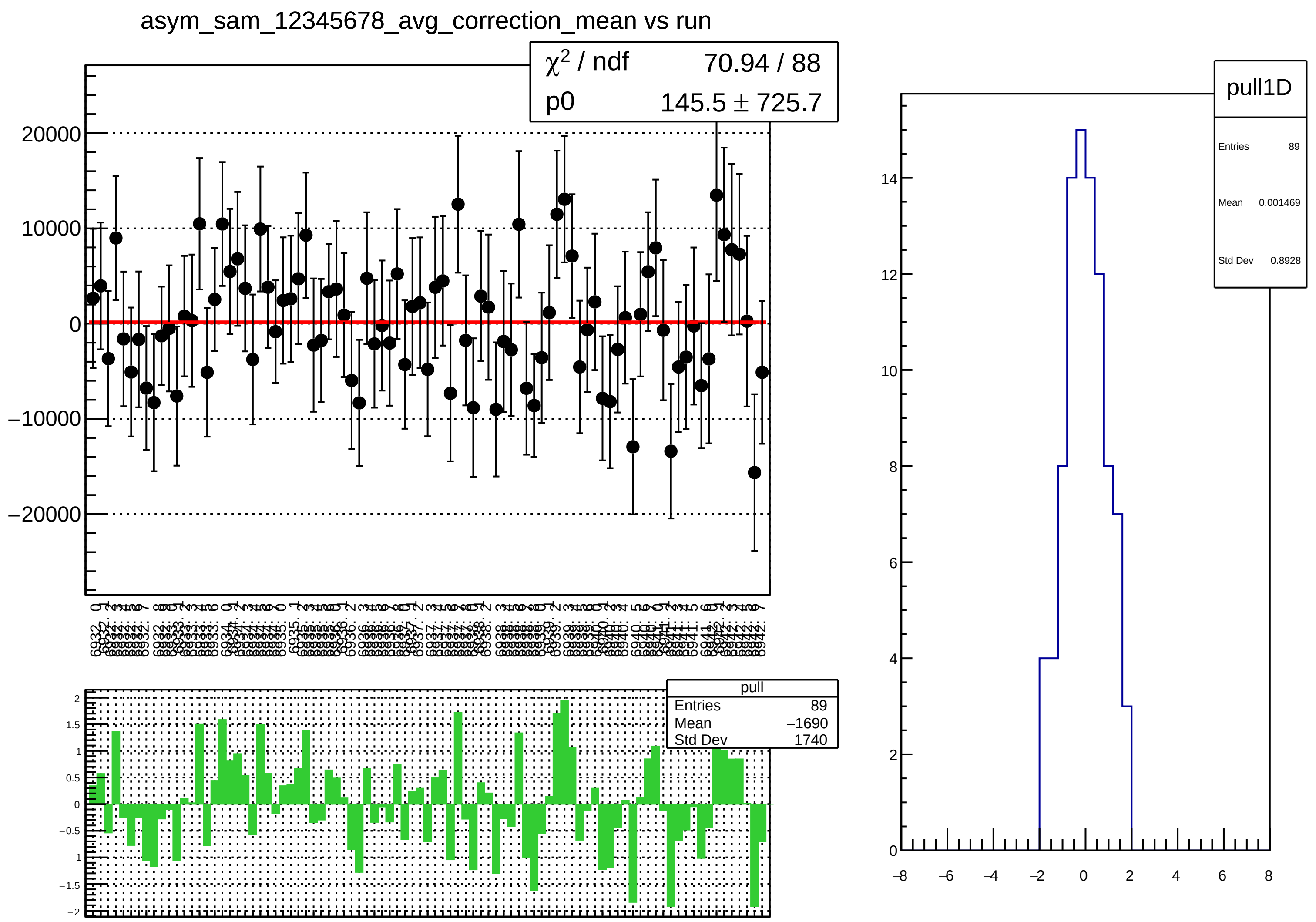


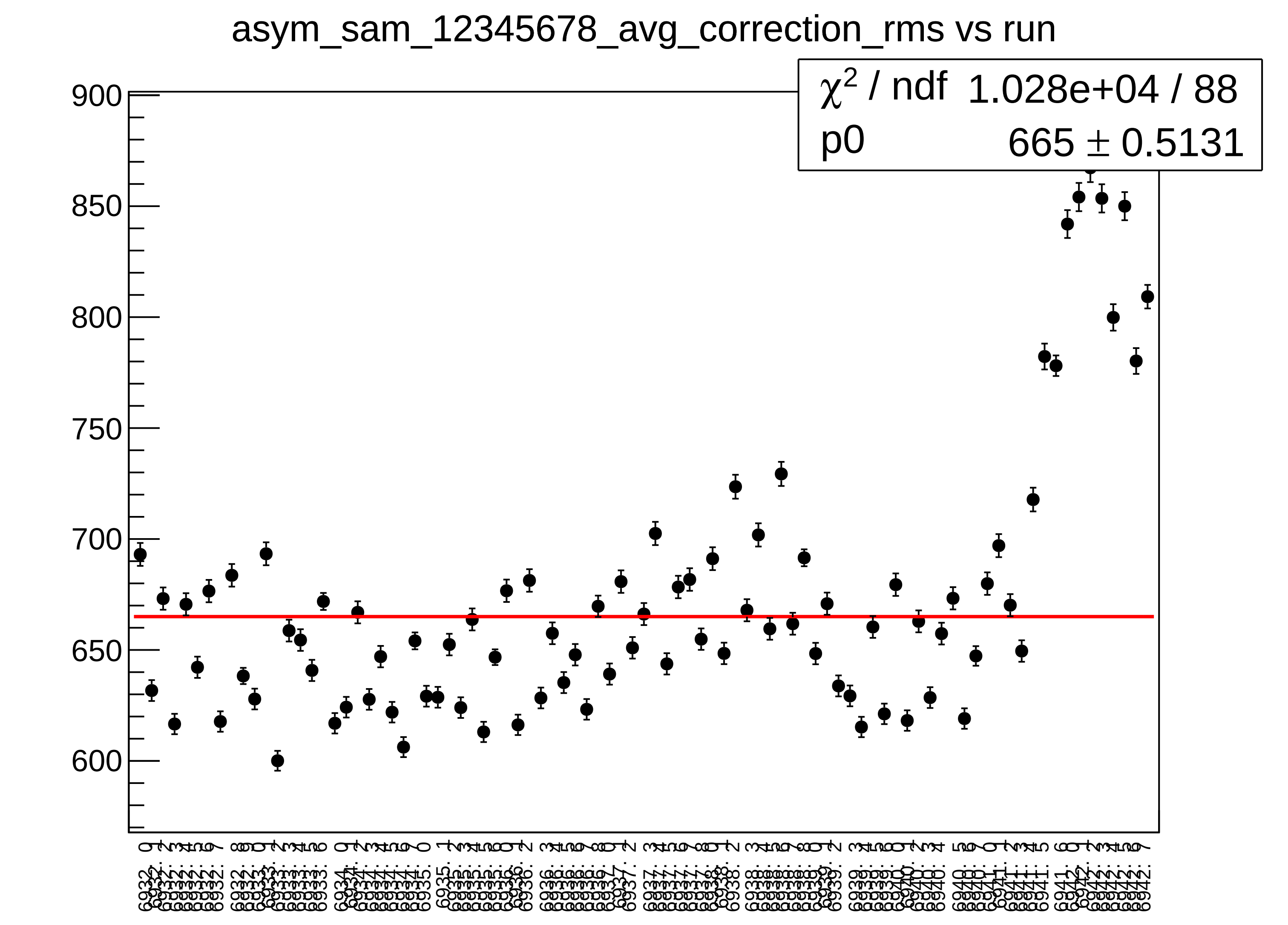
pull1D
Entries 89
Mean 0.001266
Std Dev 0.9133
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.391e+04 / 88
p0 243.8 ± 0.1883
340
320
300
280
260
240
220

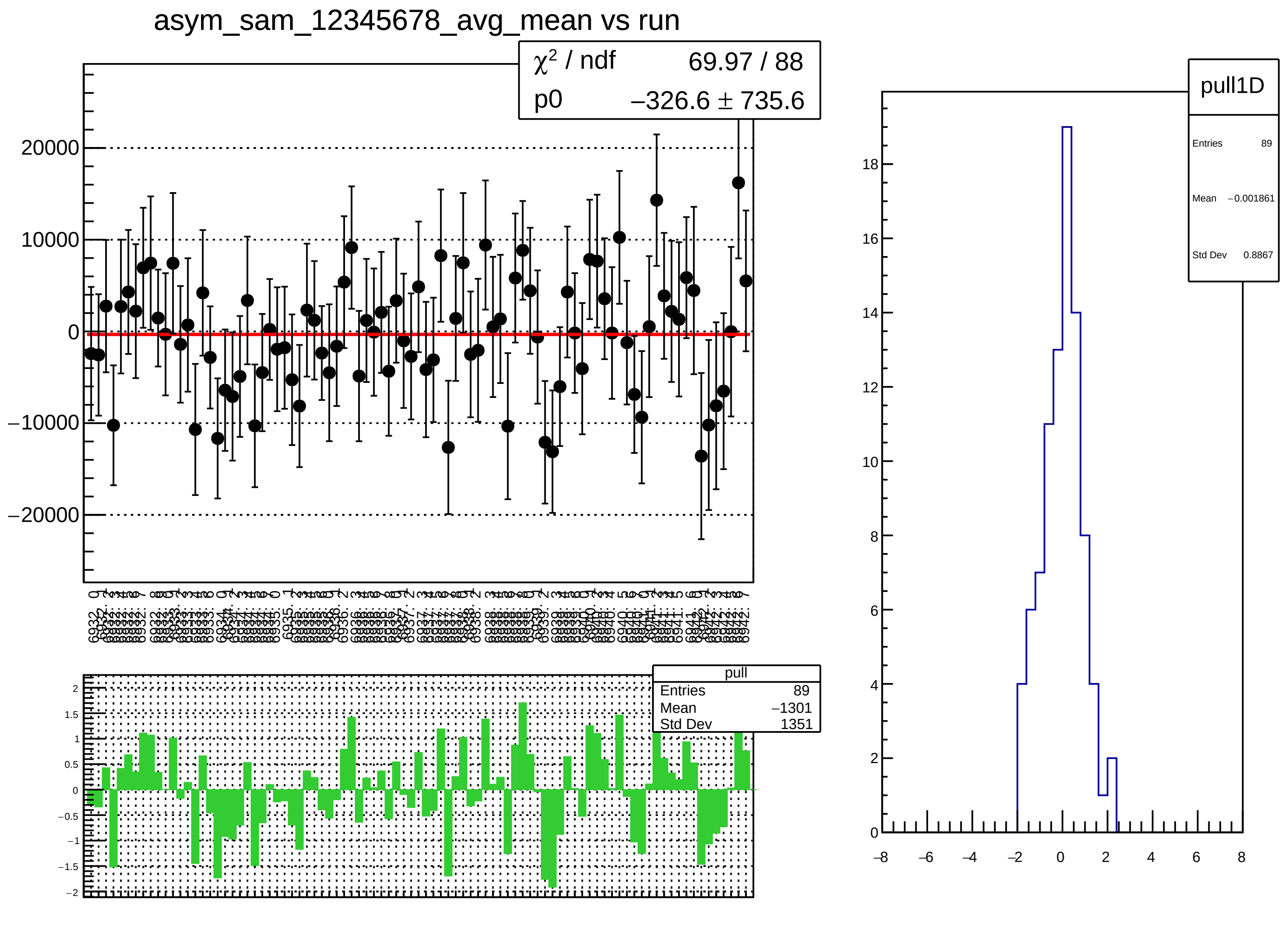

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 69.11 / 88
p0 −116.2 ± 77.91
pull
Entries 89
Mean 40.83
Std Dev 16.43
pull1D
Entries 89
Mean −0.02004
Std Dev 0.881


dit_asym_sam_12345678_avg_rms vs run
χ2 / ndf 1.064e+04 / 88
p0 71.39 ± 0.05509
110
100
90
80
70

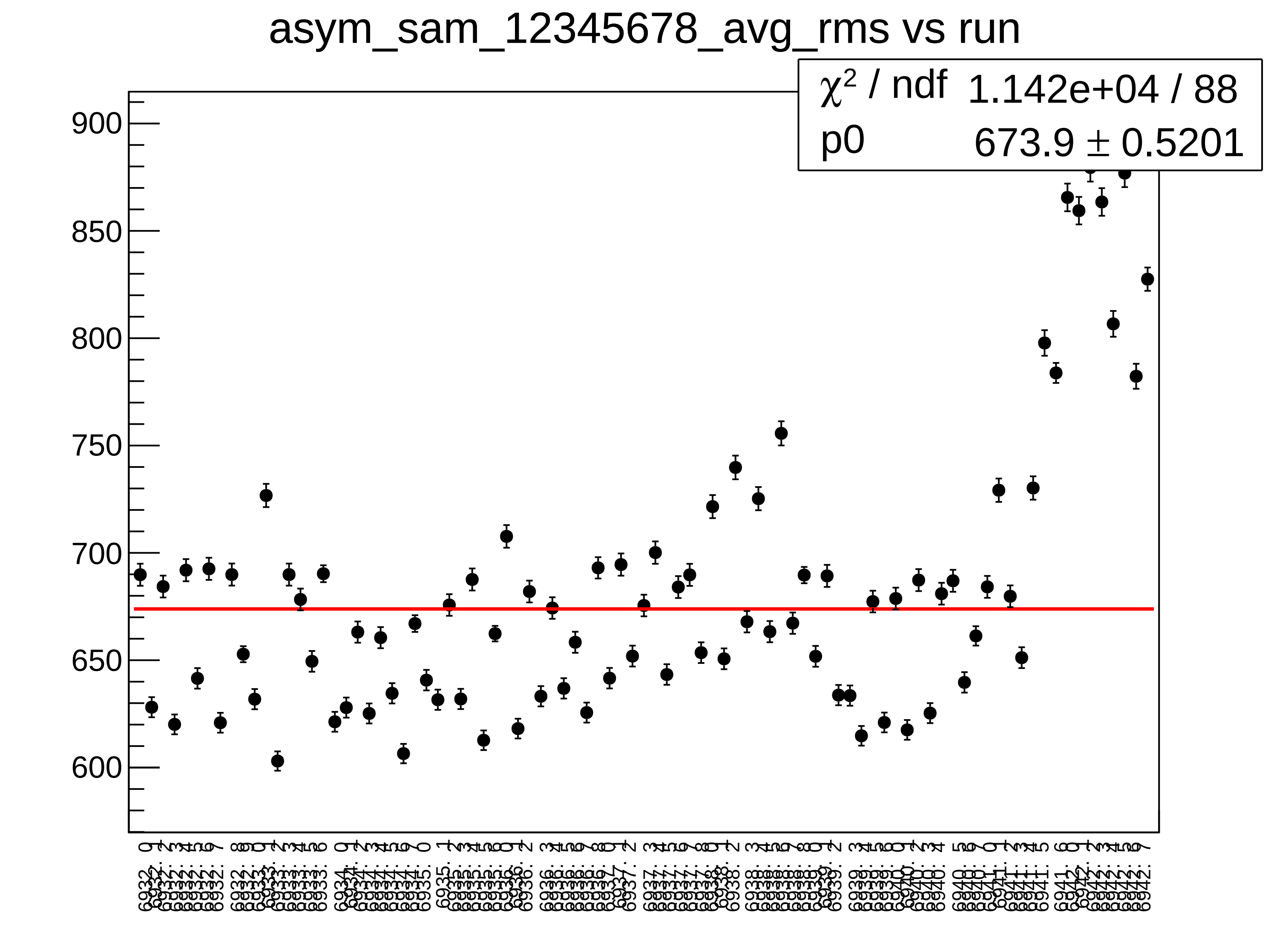

asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 70.94 / 88
p0 145.5 ± 725.7
pull
Entries 89
Mean −1690
Std Dev 1740
pull1D
Entries 89
Mean 0.001469
Std Dev 0.8928



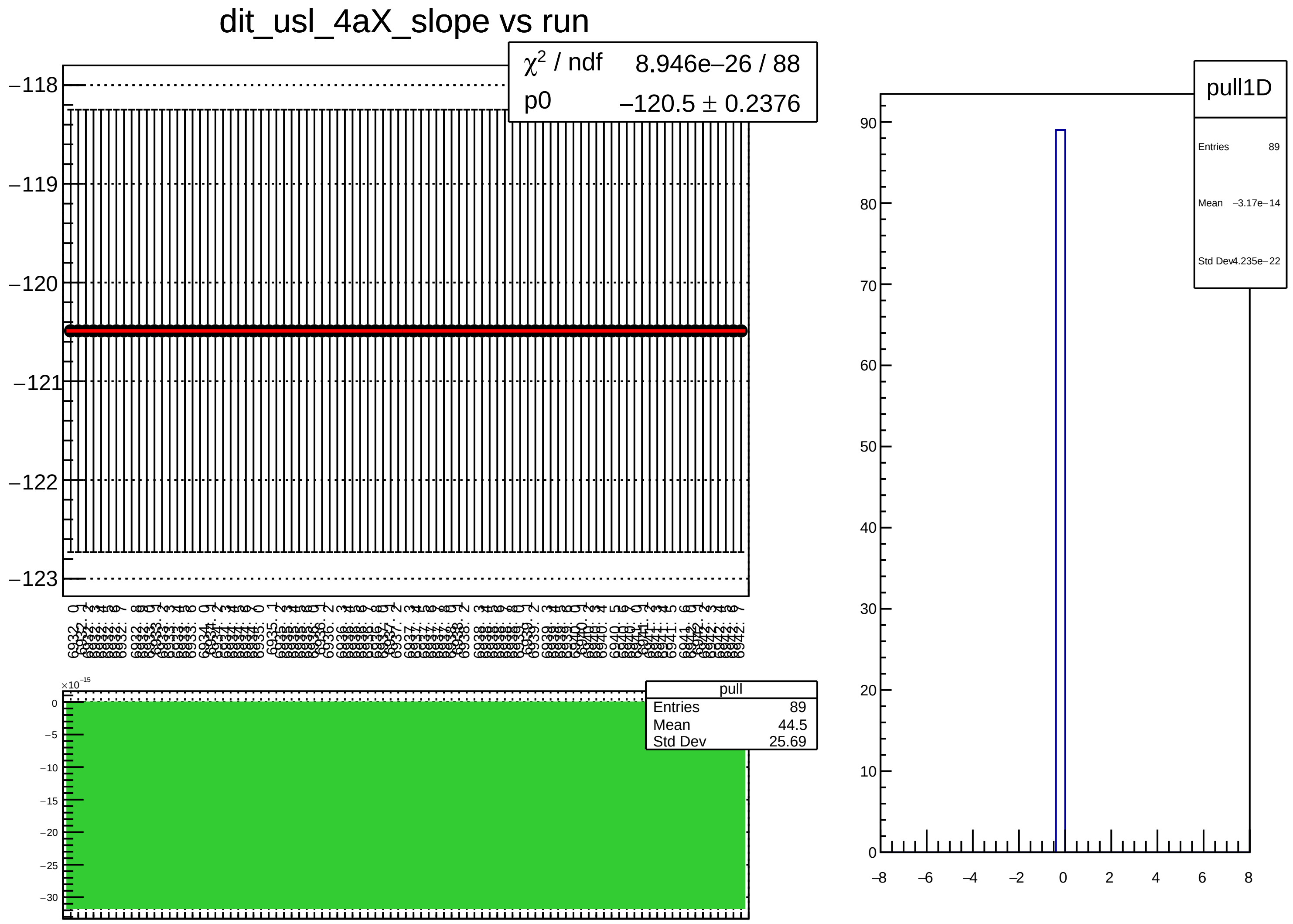
asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 1.028e+04 / 88
p0 665 ± 0.5131
900
850
800
750
700
650
600



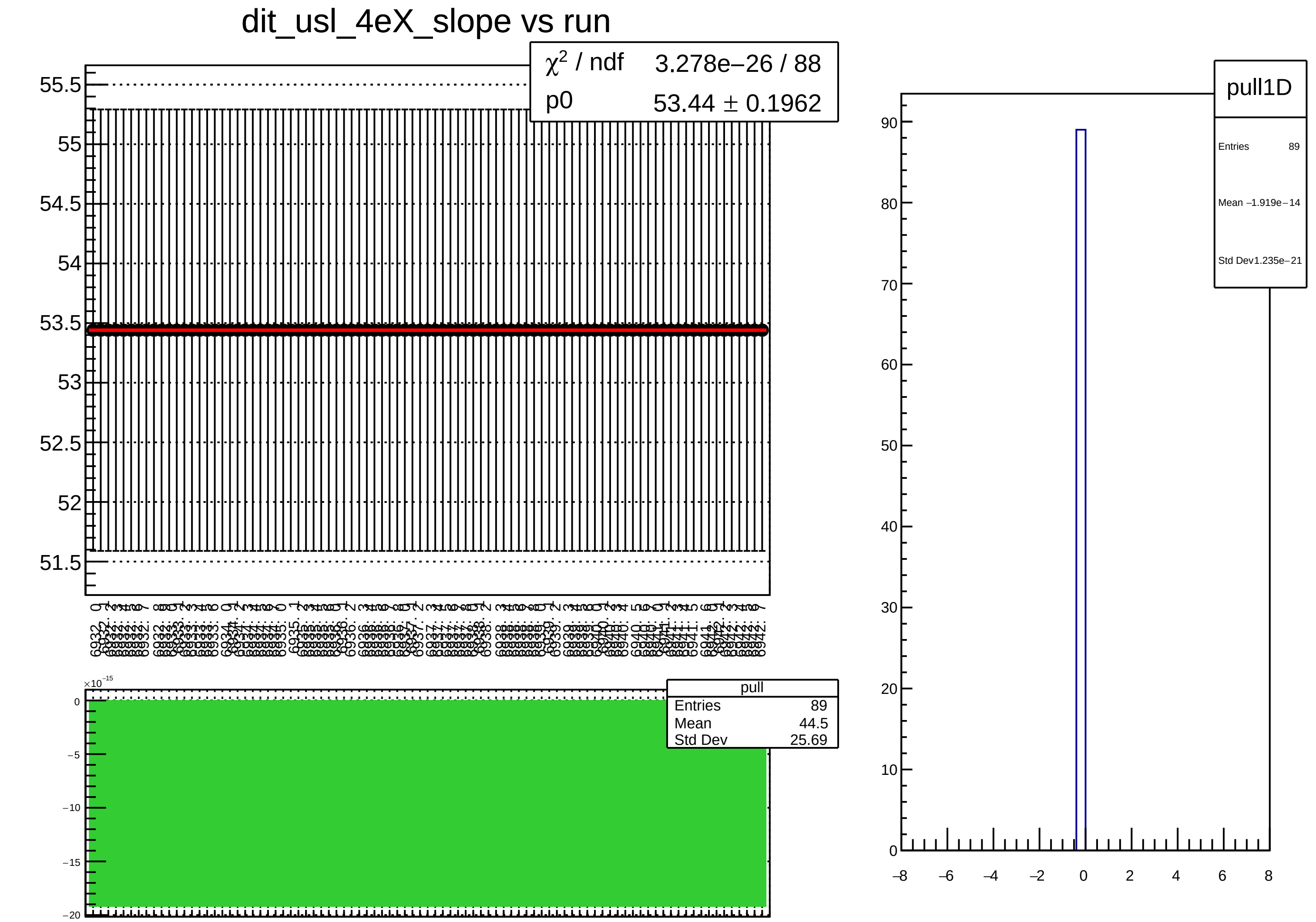
asym_sam_12345678_avg_mean vs run
χ^2 / ndf 69.97 / 88
p0 −326.6 ± 735.6
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −1301
Std Dev 1351
pull1D
Entries 89
Mean −0.001861
Std Dev 0.8867



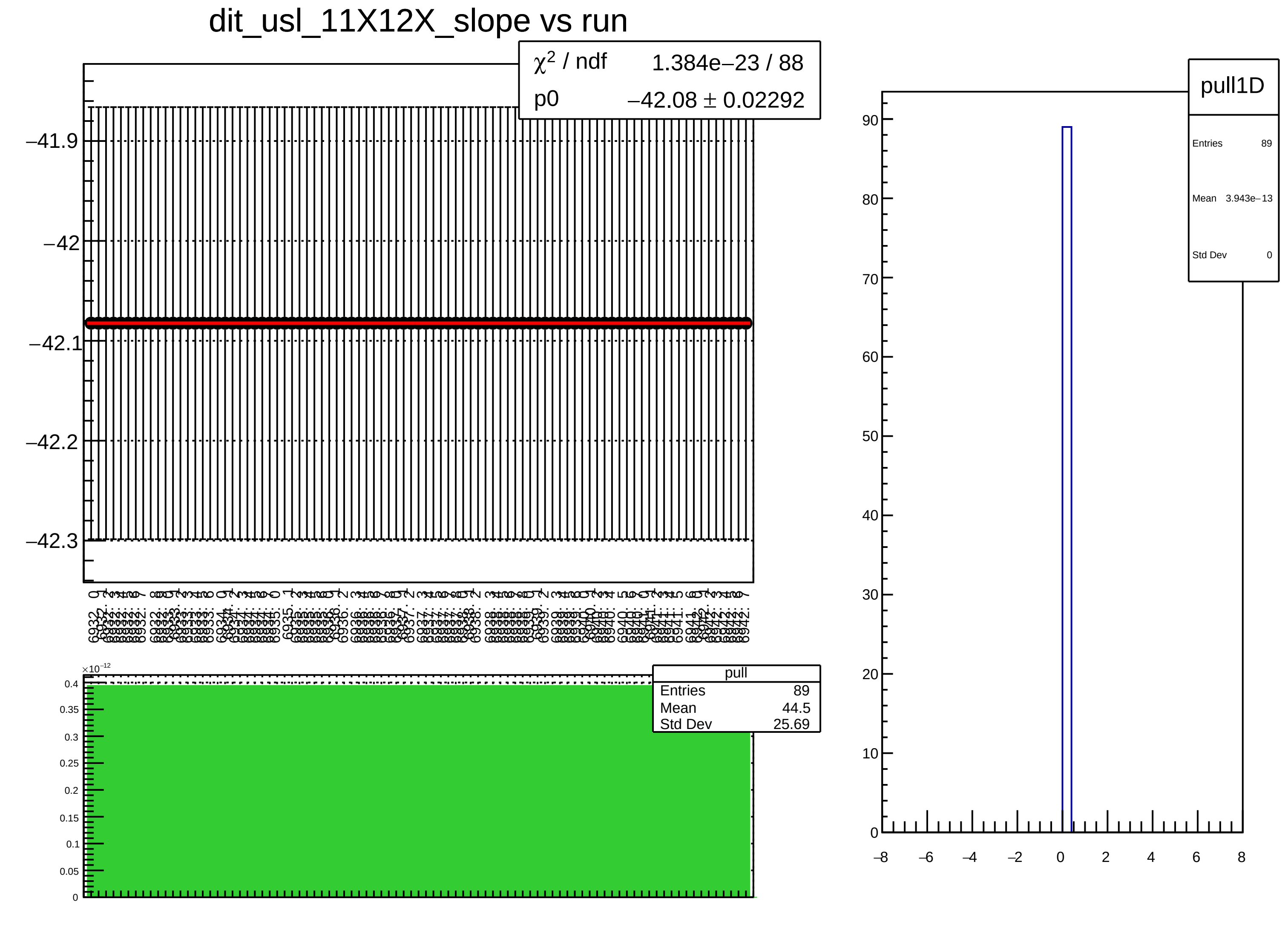
asym_sam_12345678_avg_rms vs run
χ2 / ndf 1.142e+04 / 88
p0 673.9 ± 0.5201
900
850
800
750
700
650
600



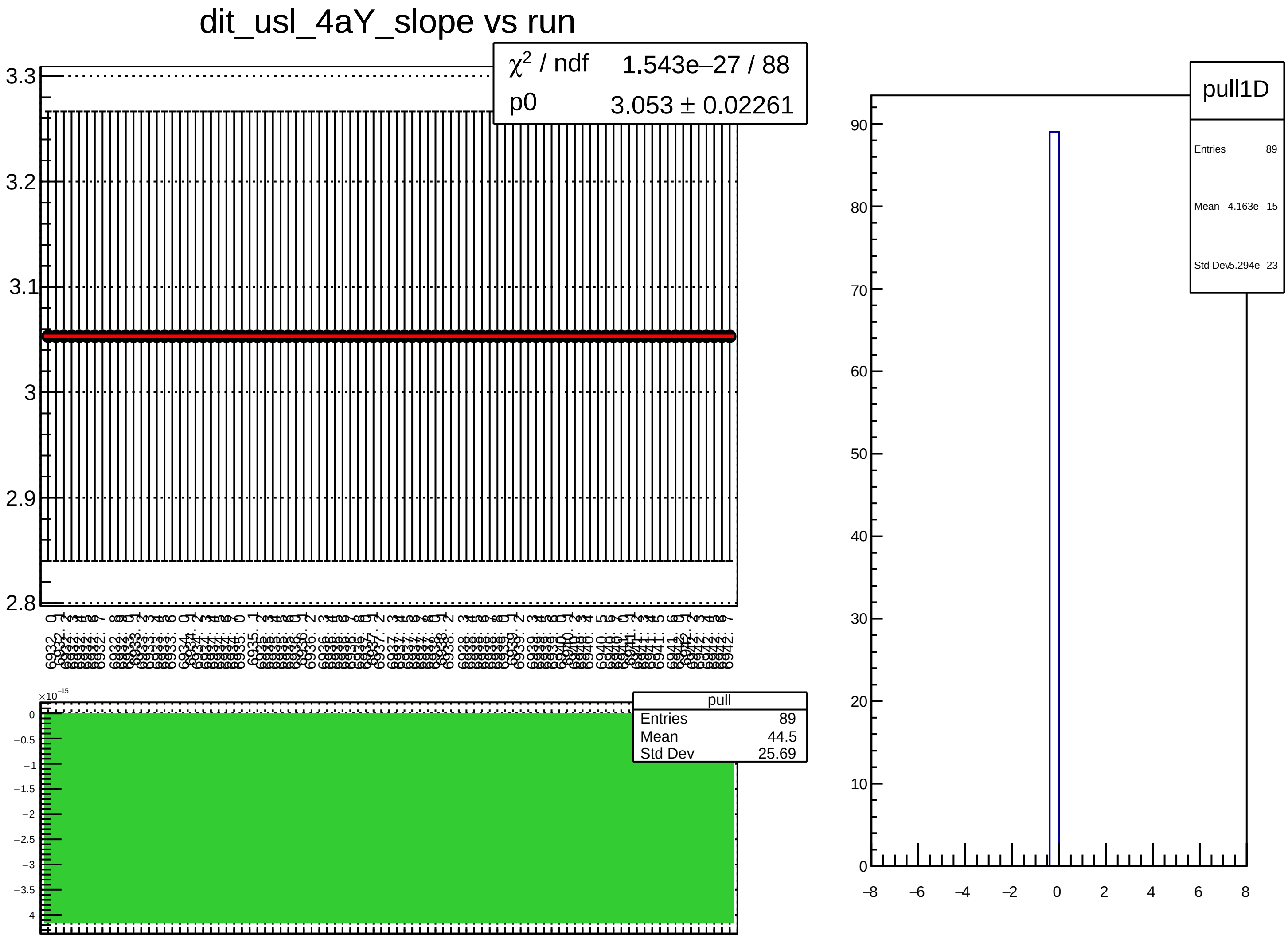
dit_usl_4aX_slope vs run
χ^2 / ndf 8.946e−26 / 88
p0 −120.5 ± 0.2376
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −3.17e−14
Std Dev 4.235e−22

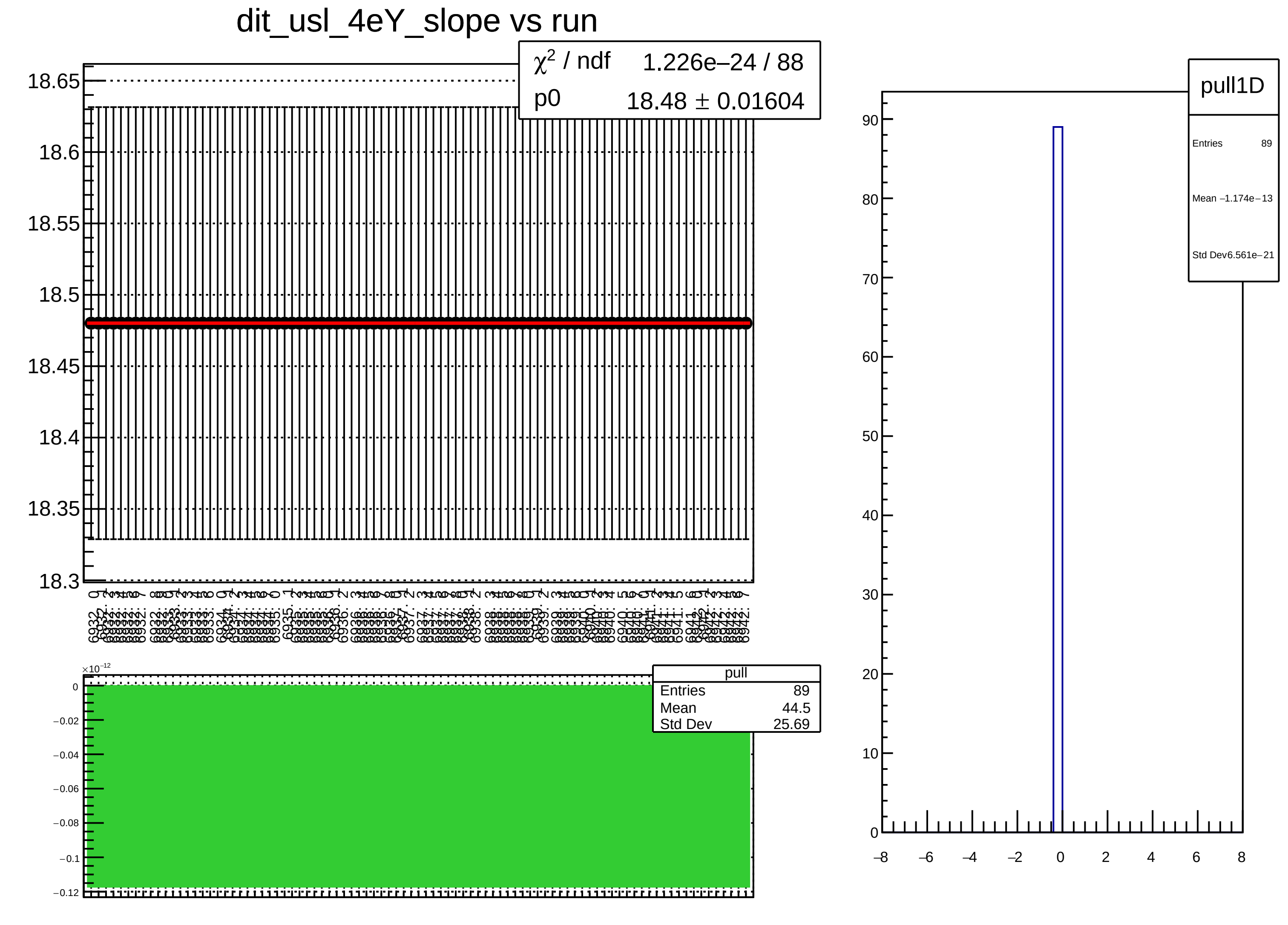


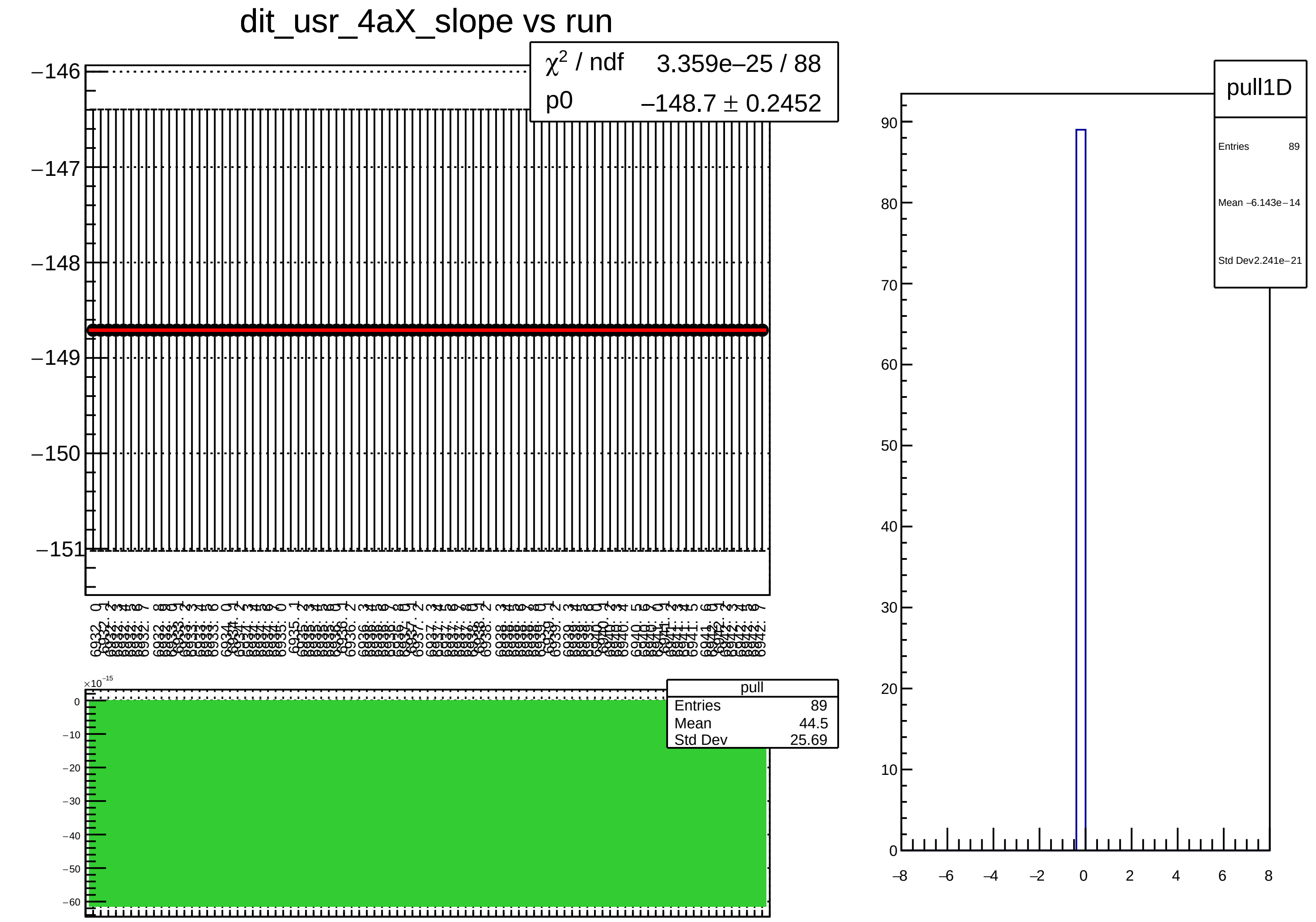
dit_usl_4eX_slope vs run
χ^2 / ndf 3.278e−26 / 88
p0 53.44 ± 0.1962
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.919e−14
Std Dev 1.235e−21



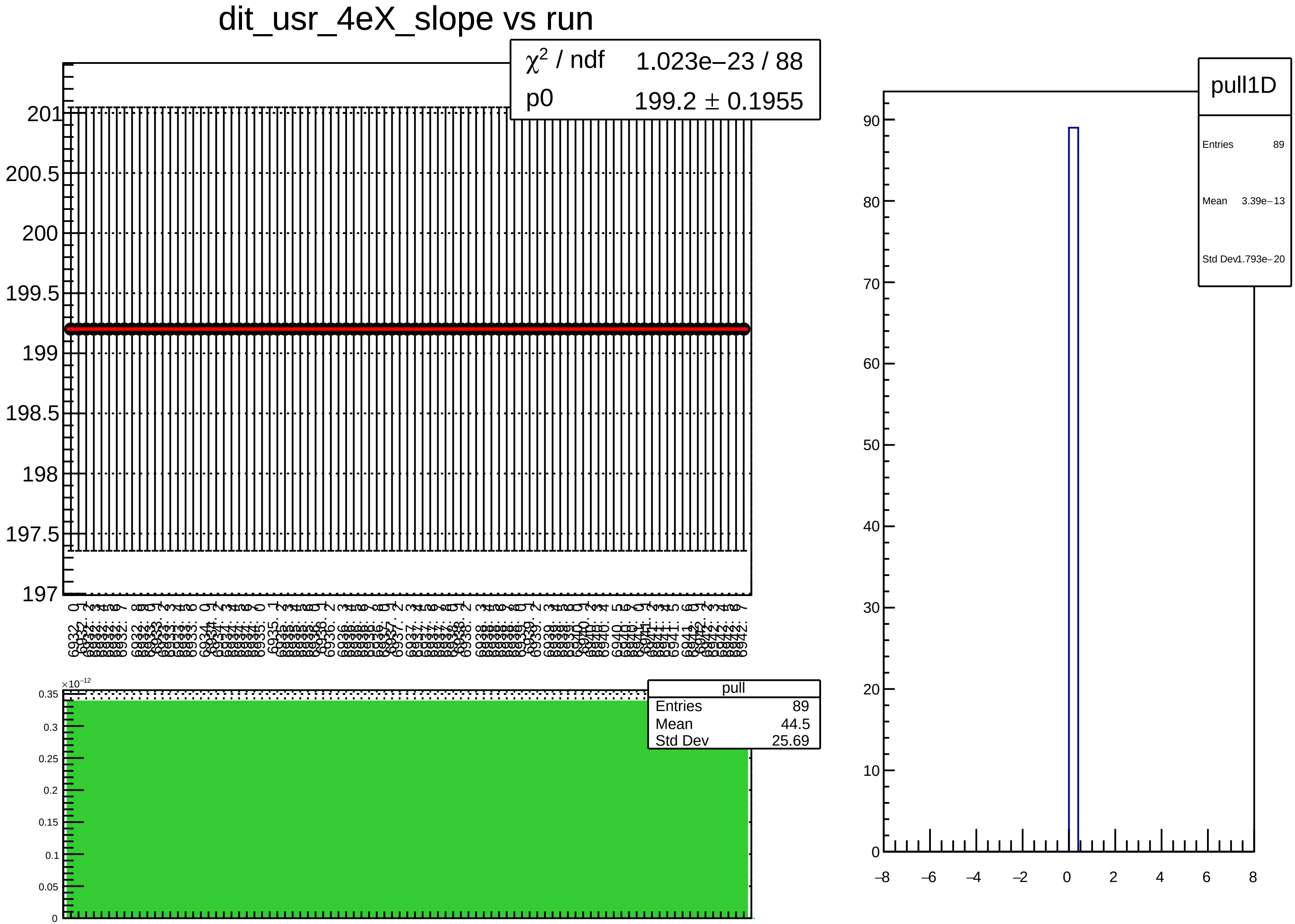
dit_usl_11X12X_slope vs run
χ^2 / ndf 1.384e−23 / 88
p0 −42.08 ± 0.02292
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 3.943e−13
Std Dev 0


dit_usl_4aY_slope vs run
χ2 / ndf 1.543e−27 / 88
p0 3.053 ± 0.02261
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −4.163e−15
Std Dev 5.294e−23

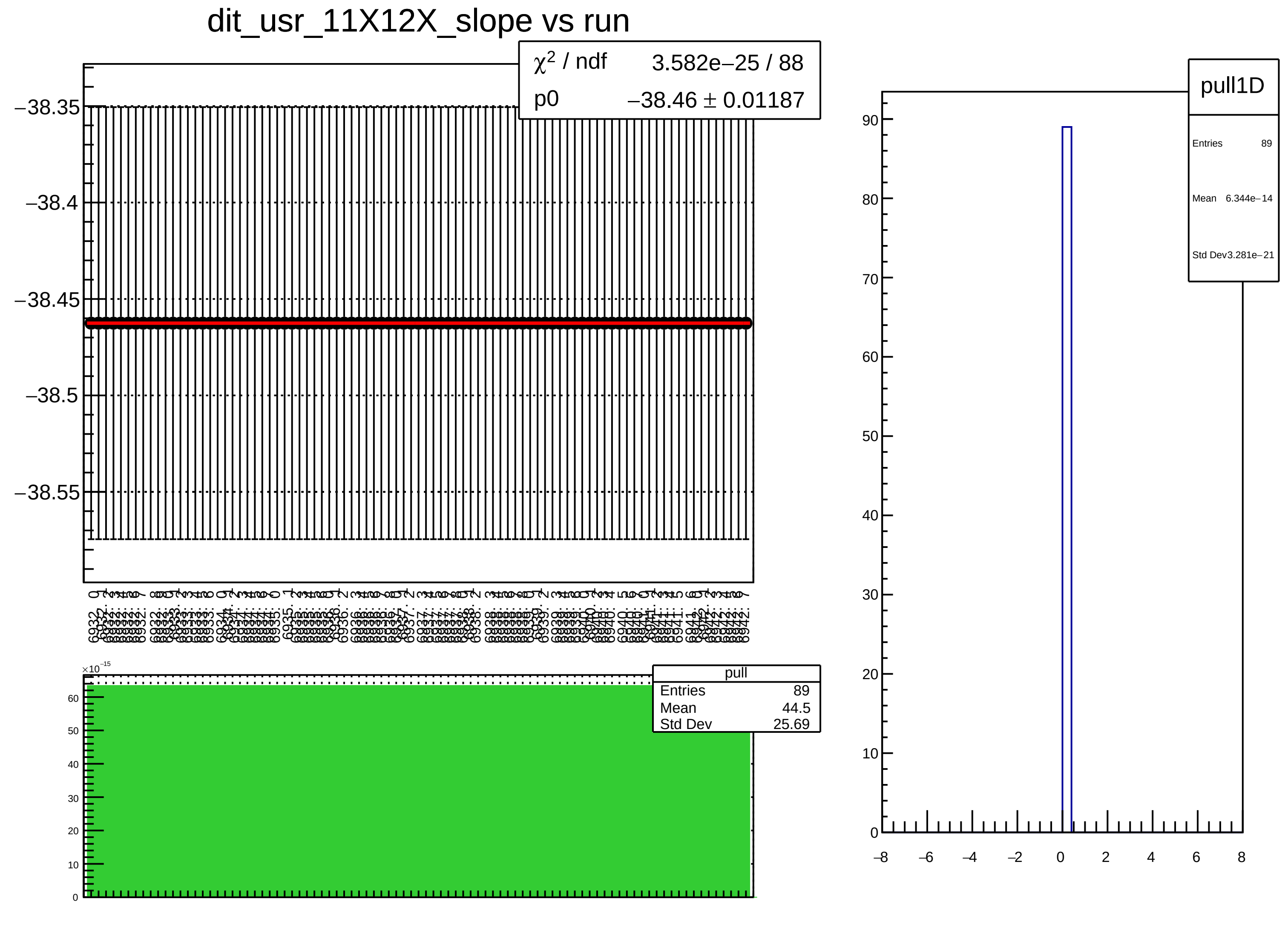

dit_usl_4eY_slope vs run
χ² / ndf 1.226e−24 / 88
p0 18.48 ± 0.01604
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.174e−13
Std Dev 6.561e−21



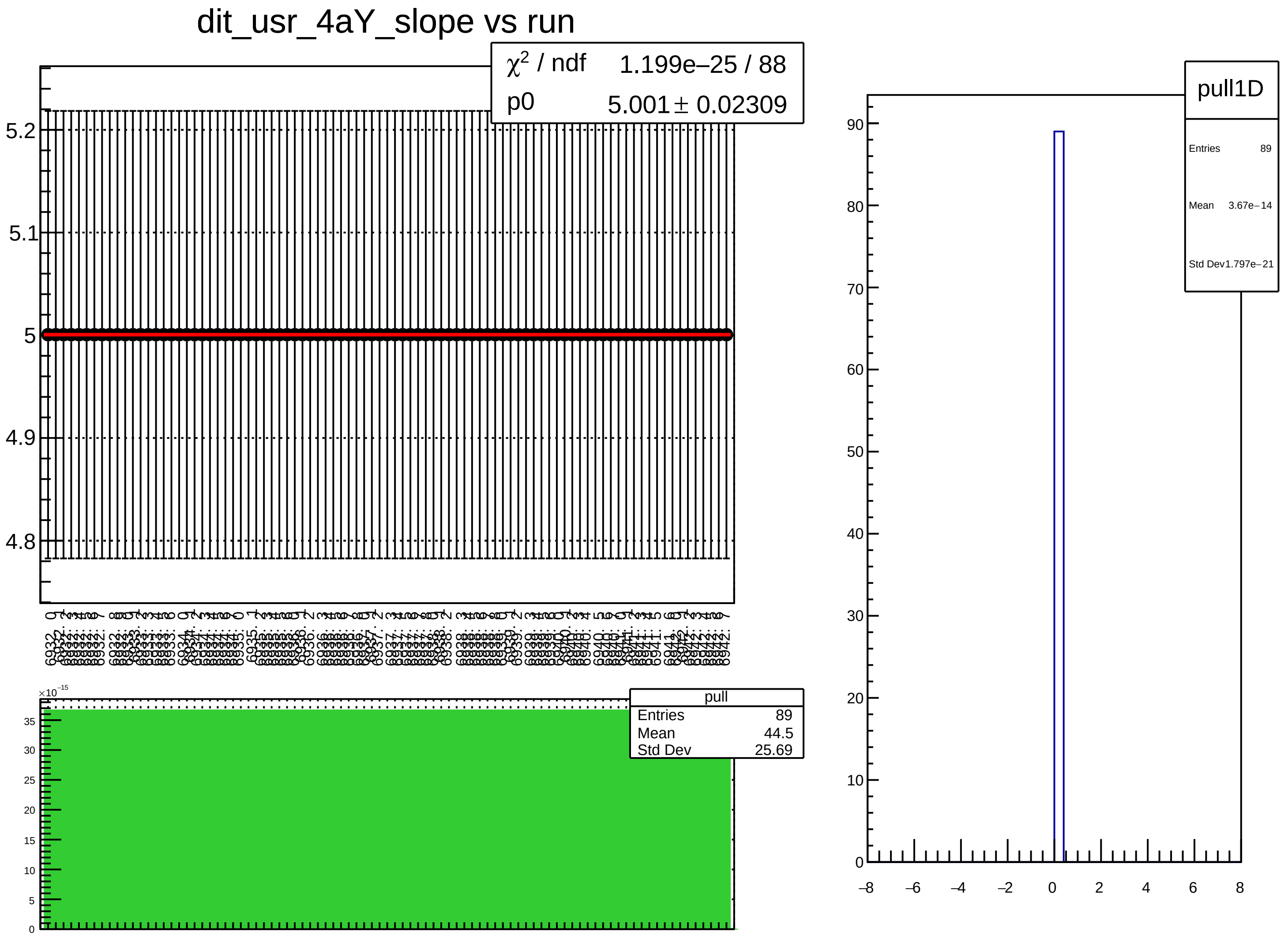
dit_usr_4aX_slope vs run
χ^2 / ndf 3.359e−25 / 88
p0 −148.7 ± 0.2452
−146
−147
−148
−149
−150
−151
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −6.143e−14
Std Dev 2.241e−21



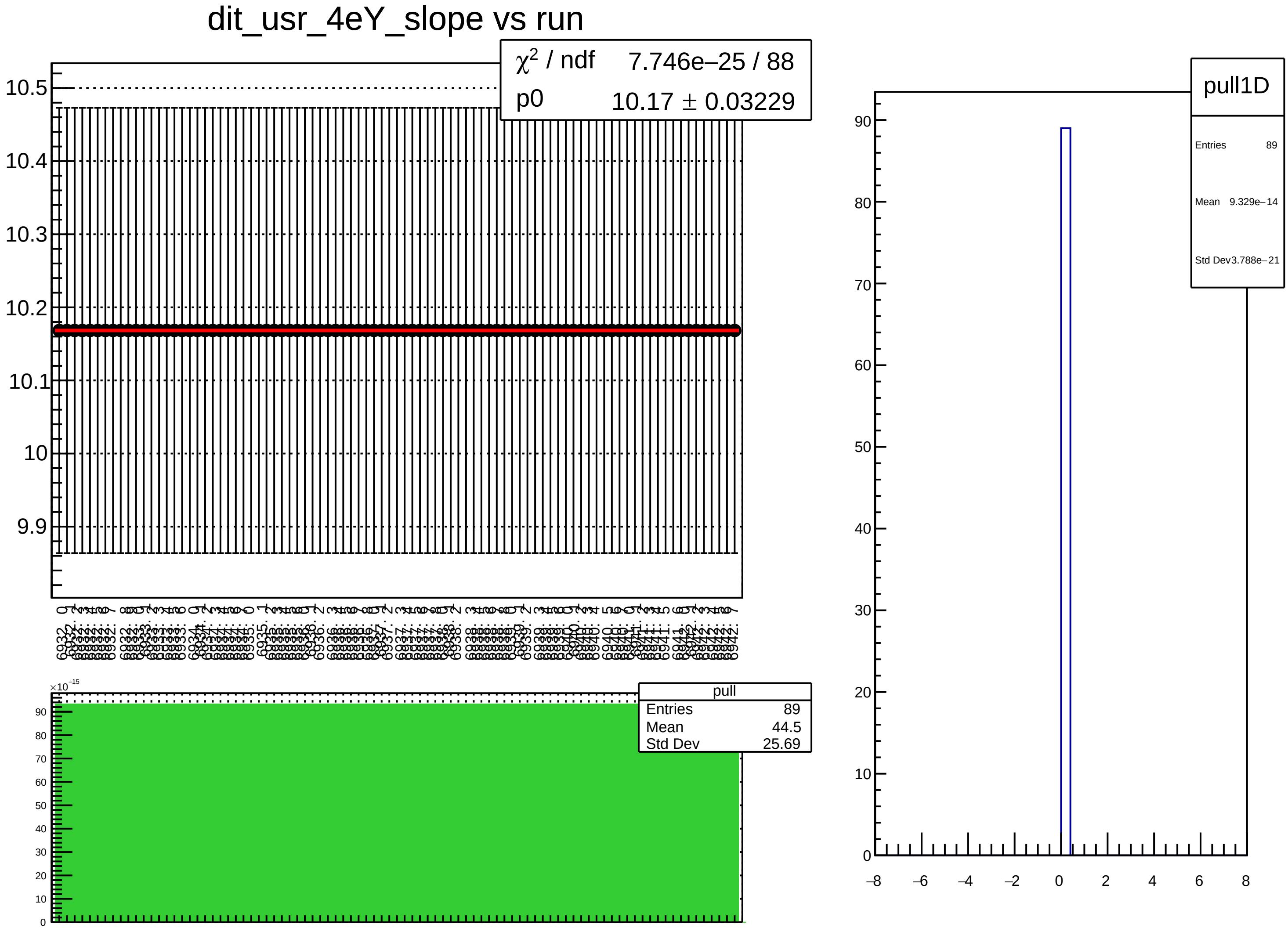
dit_usr_4eX_slope vs run
χ2 / ndf 1.023e−23 / 88
p0 199.2 ± 0.1955
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10−12
pull1D
Entries 89
Mean 3.39e−13
Std Dev1.793e−20



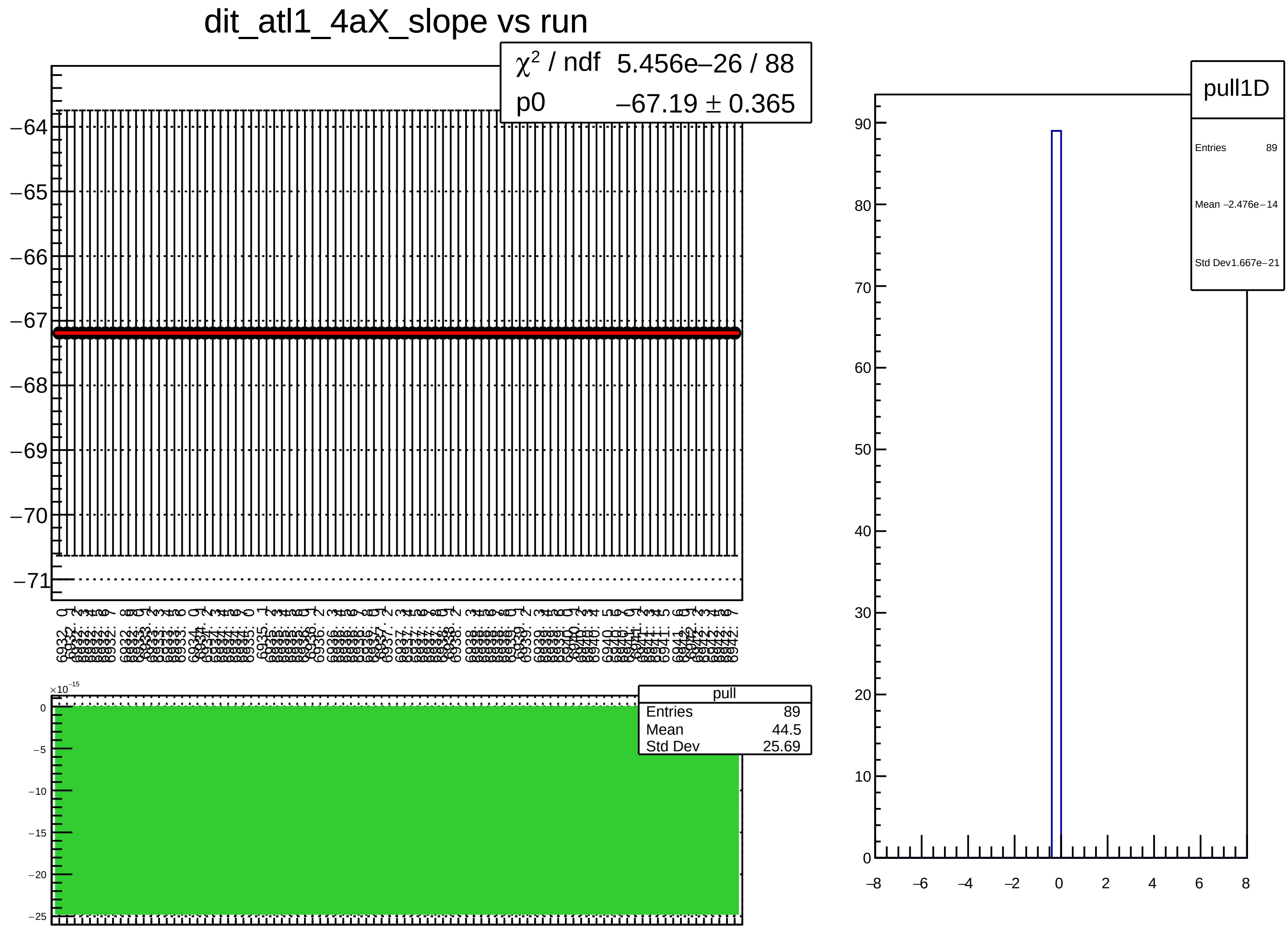
dit_usr_11X12X_slope vs run
χ^2 / ndf 3.582e−25 / 88
p0 −38.46 ± 0.01187
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 6.344e−14
Std Dev 3.281e−21



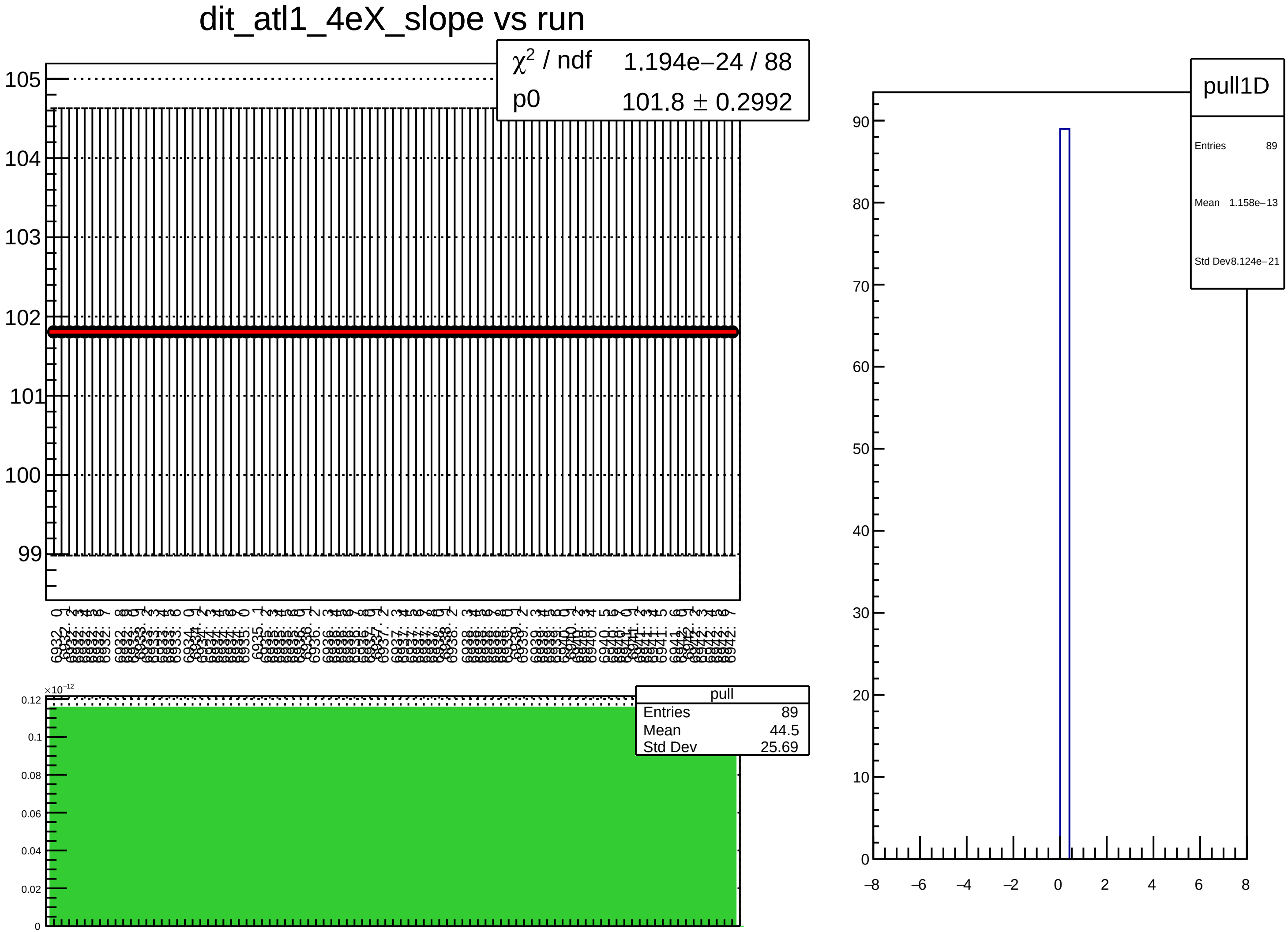
dit_usr_4aY_slope vs run
χ2 / ndf 1.199e−25 / 88
p0 5.001 ± 0.02309
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 3.67e−14
Std Dev 1.797e−21



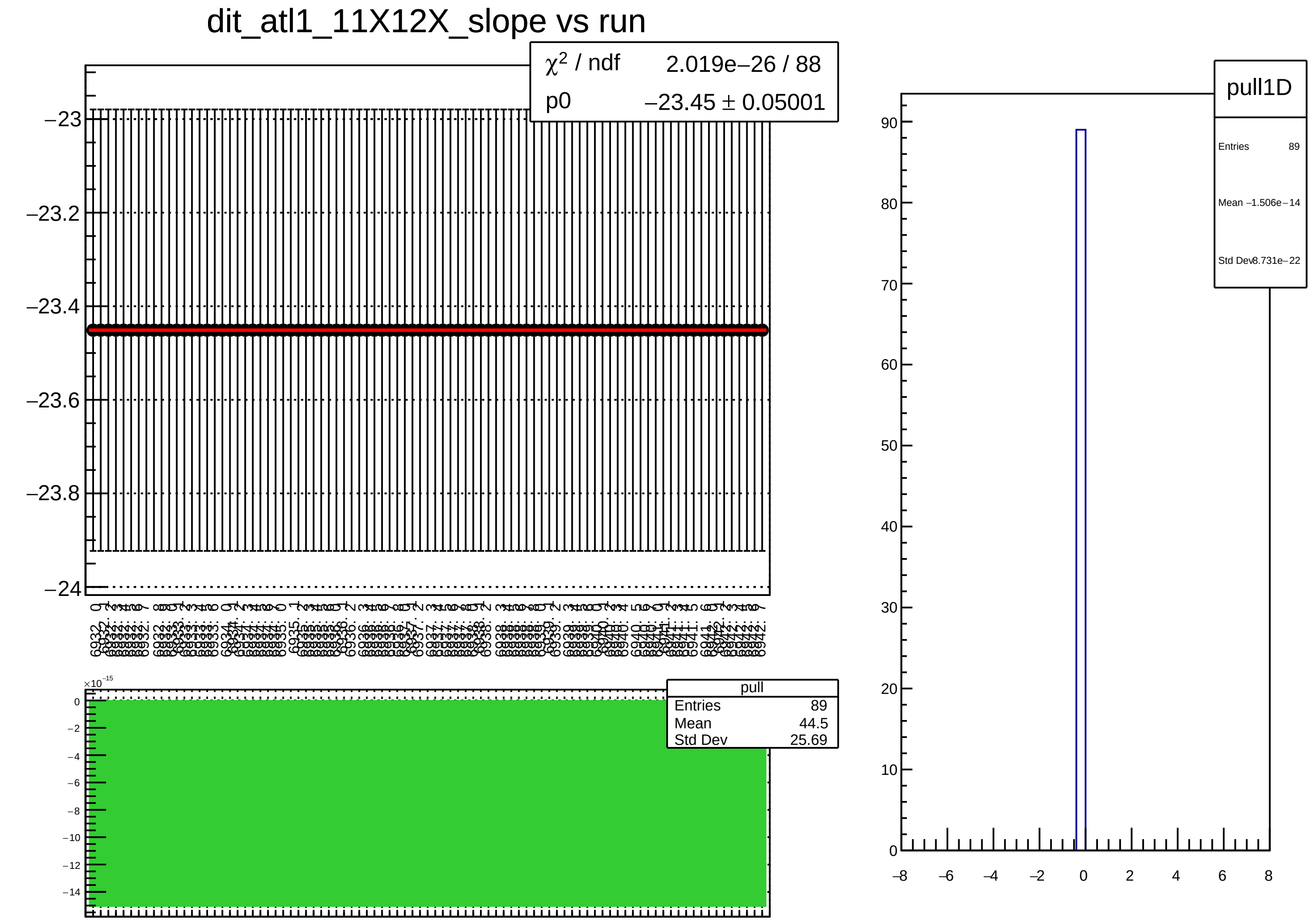
dit_usr_4eY_slope vs run
χ2 / ndf 7.746e−25 / 88
p0 10.17 ± 0.03229
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 9.329e−14
Std Dev 3.788e−21



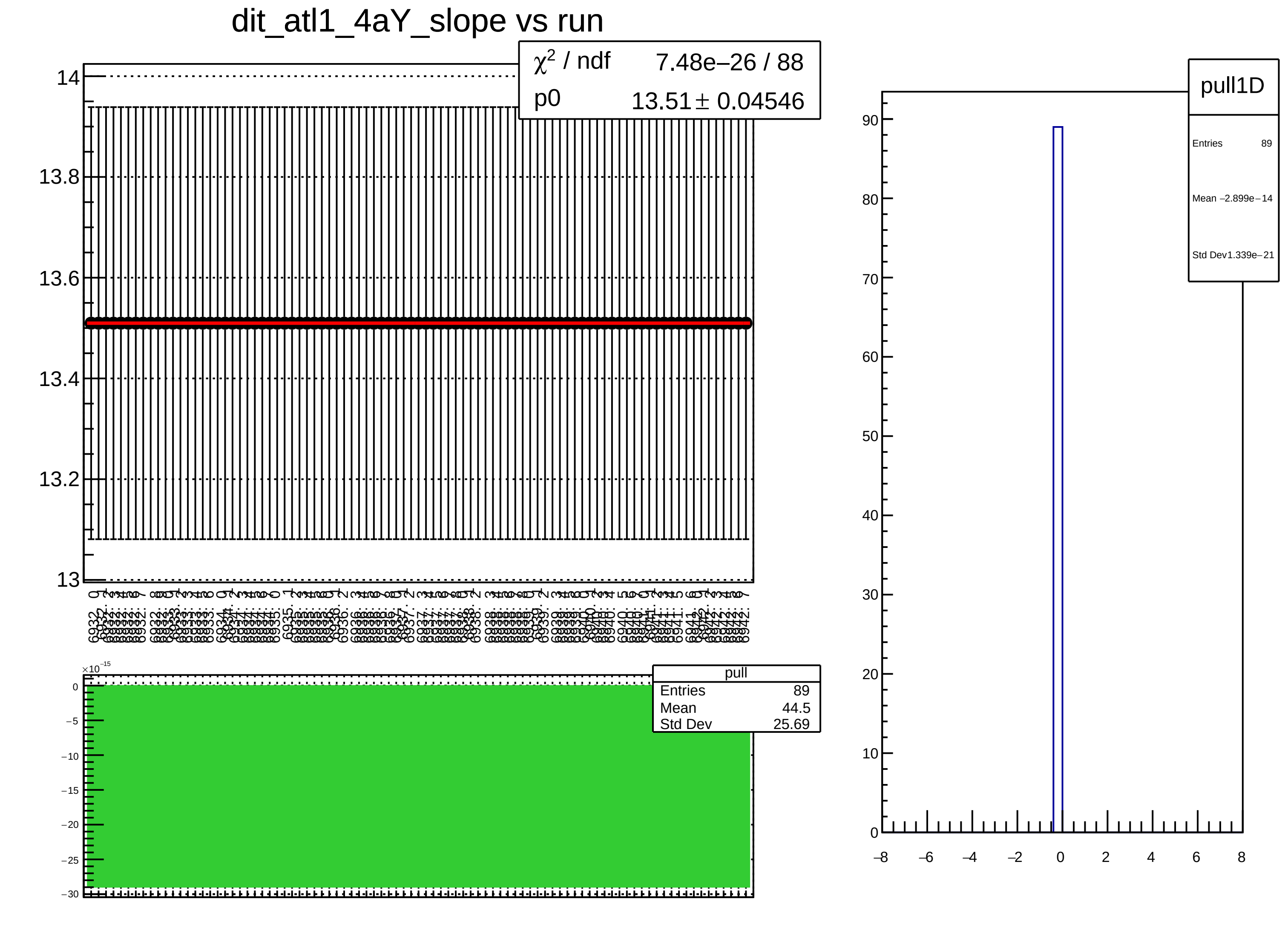
dit_atl1_4aX_slope vs run
χ^2 / ndf 5.456e−26 / 88
p0 −67.19 ± 0.365
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.476e−14
Std Dev 1.667e−21



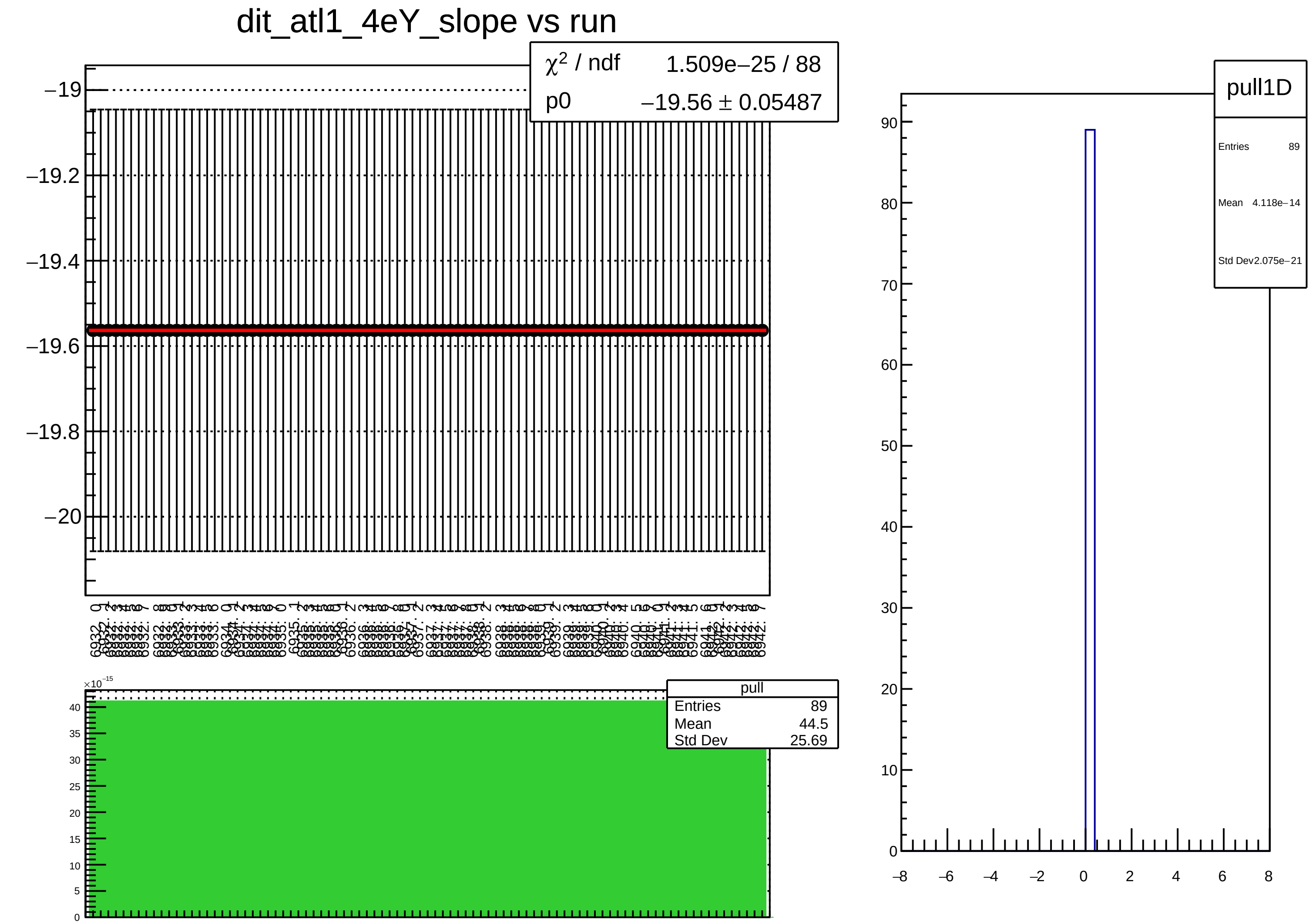
dit_atl1_4eX_slope vs run
χ2 / ndf 1.194e−24 / 88
p0 101.8 ± 0.2992
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.158e−13
Std Dev 8.124e−21



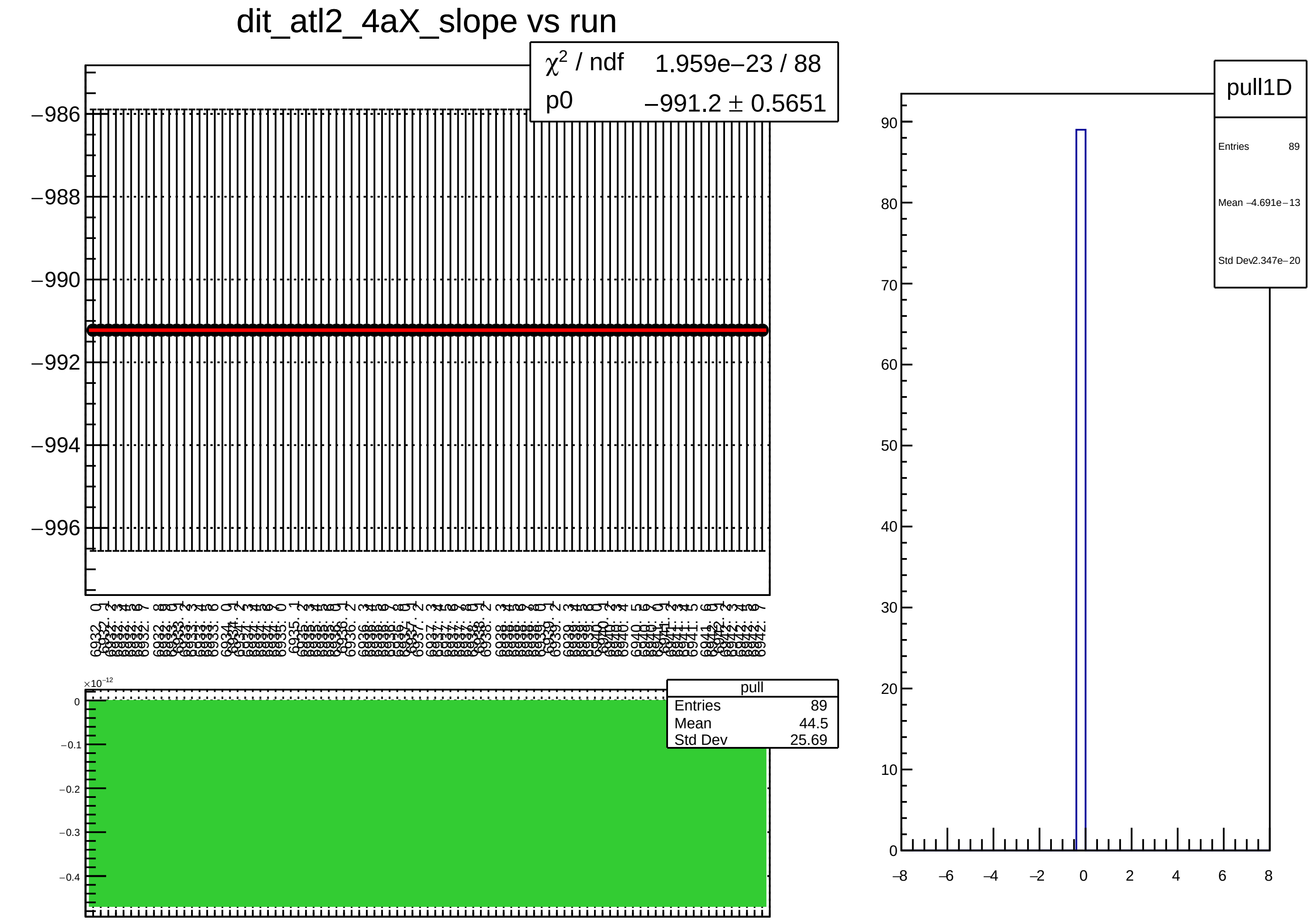
dit_atl1_11X12X_slope vs run
χ^2 / ndf 2.019e−26 / 88
p0 −23.45 ± 0.05001
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.506e−14
Std Dev 8.731e−22

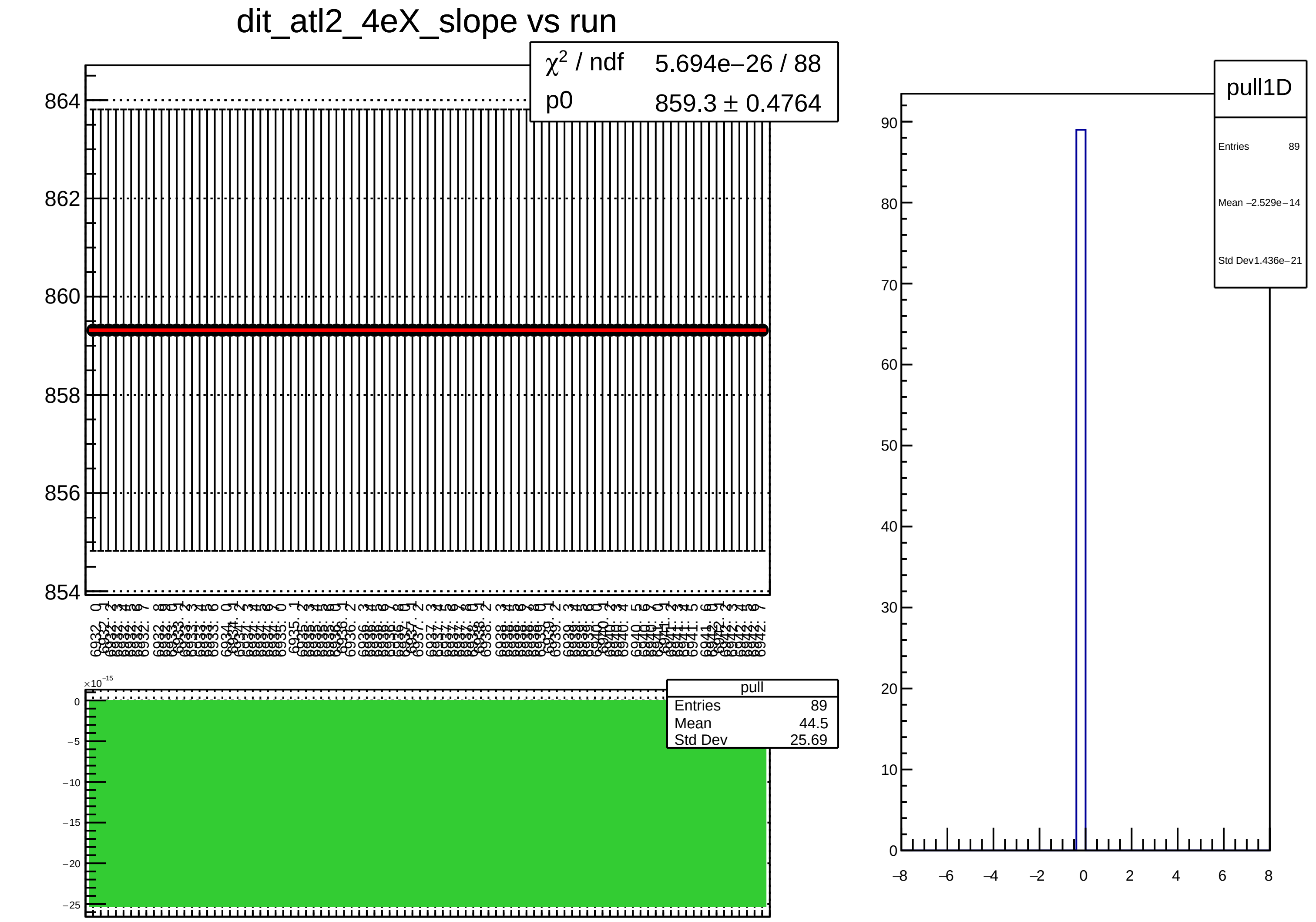


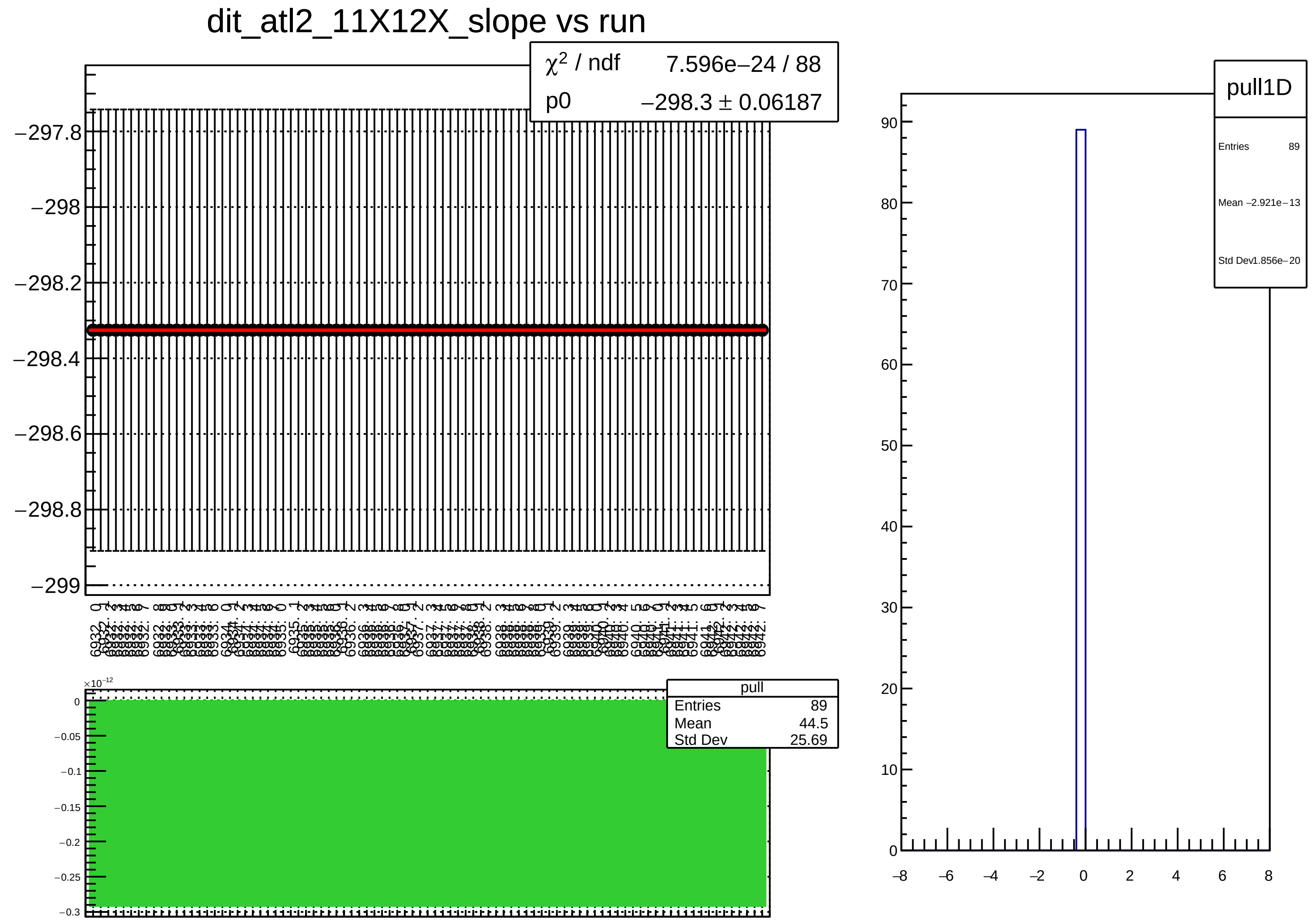
dit_atl1_4aY_slope vs run
χ2 / ndf 7.48e−26 / 88
p0 13.51 ± 0.04546
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.899e−14
Std Dev 1.339e−21



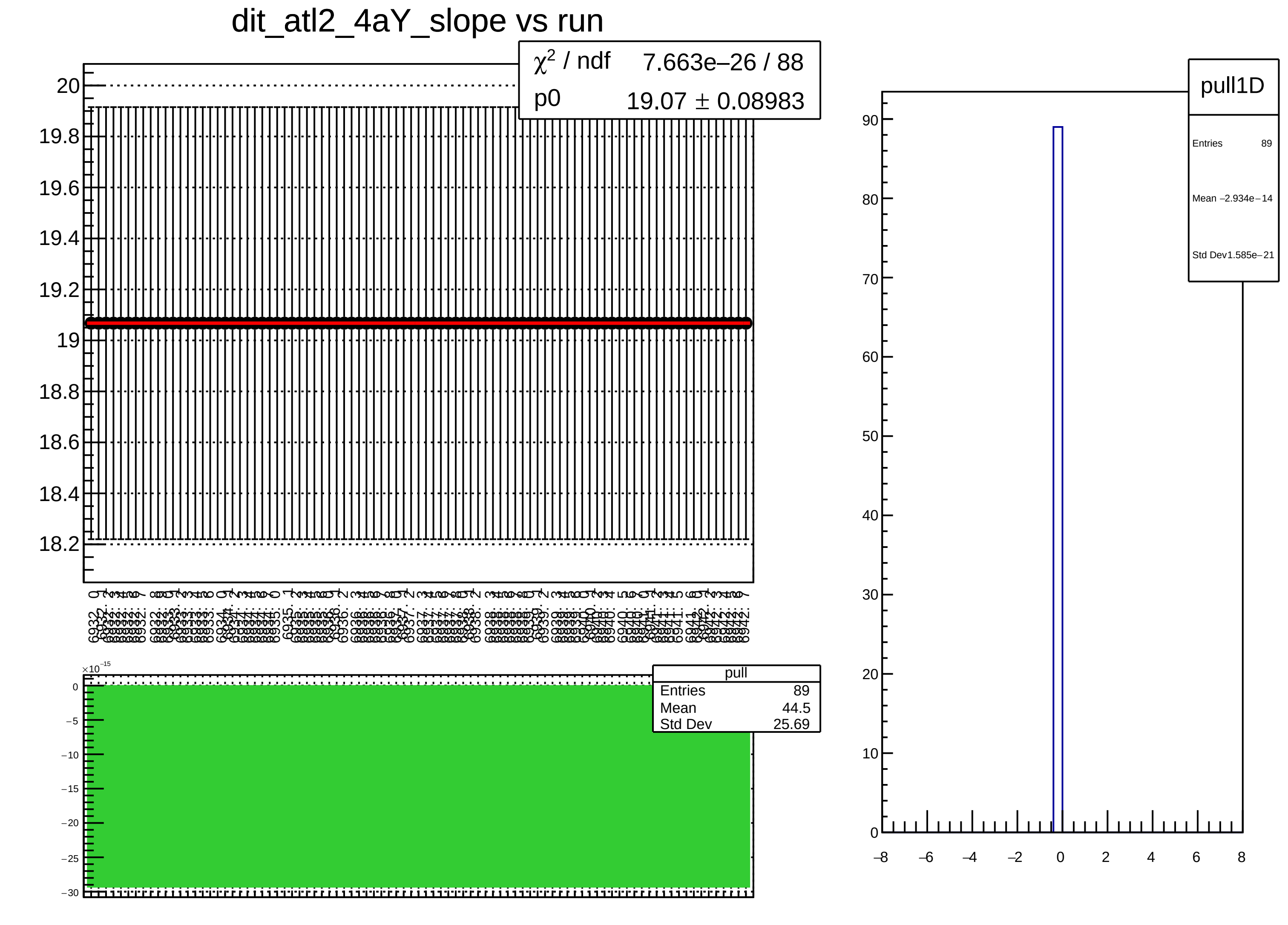
dit_atl1_4eY_slope vs run
χ2 / ndf 1.509e−25 / 88
p0 −19.56 ± 0.05487
−19
−19.2
−19.4
−19.6
−19.8
−20
×10−15
40
35
30
25
20
15
10
5
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.118e−14
Std Dev 2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4aX_slope vs run
χ² / ndf 1.959e−23 / 88
p0 −991.2 ± 0.5651
−986
−988
−990
−992
−994
−996
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −4.691e−13
Std Dev 2.347e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

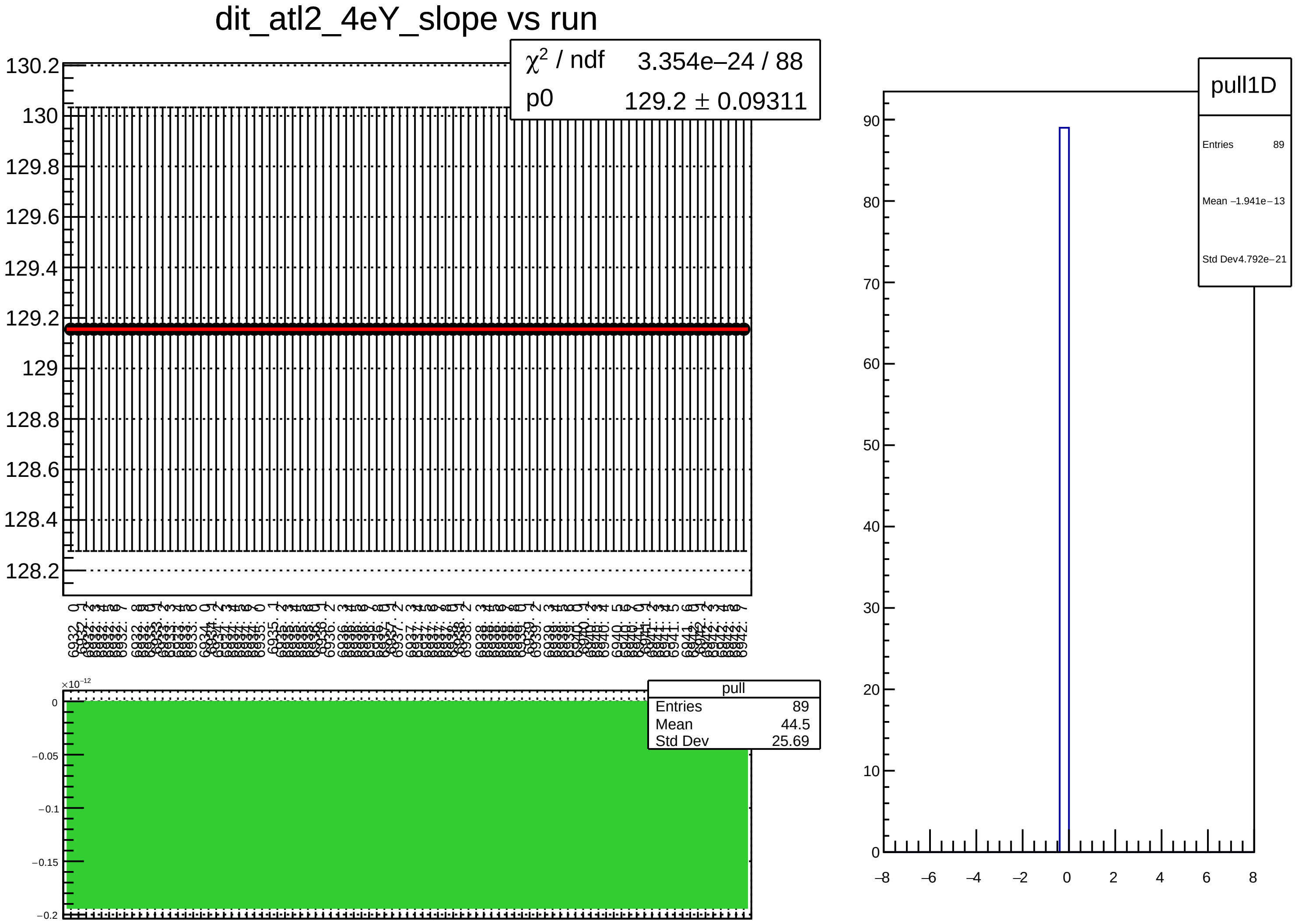

dit_atl2_4eX_slope vs run
χ^2 / ndf 5.694e−26 / 88
p0 859.3 ± 0.4764
864
862
860
858
856
854
×10^{-15}
0
−5
−10
−15
−20
−25
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.529e−14
Std Dev 1.436e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



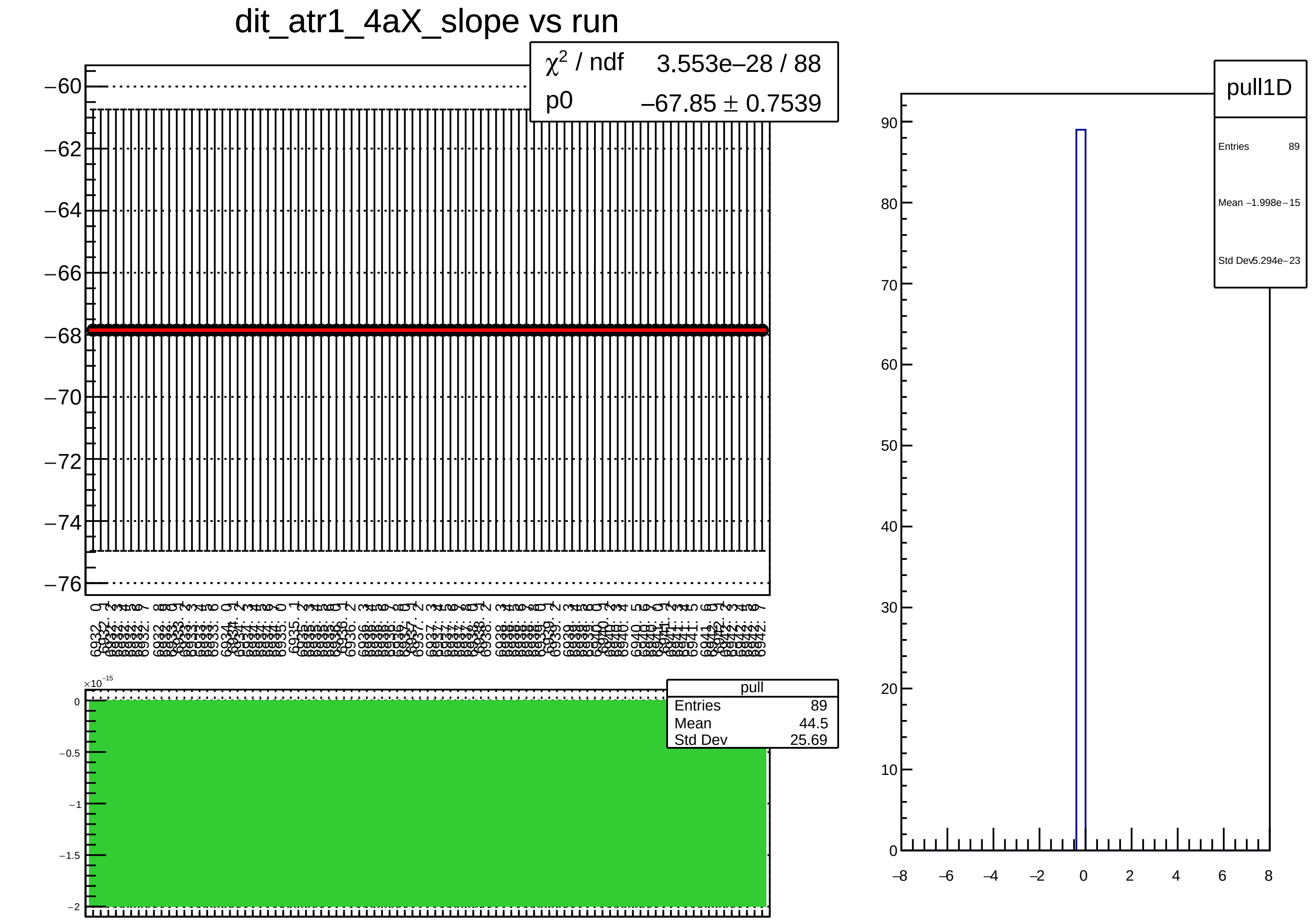
dit_atl2_11X12X_slope vs run
χ2 / ndf 7.596e−24 / 88
p0 −298.3 ± 0.06187
−297.8
−298
−298.2
−298.4
−298.6
−298.8
−299
×10−12
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.921e−13
Std Dev1.856e−20

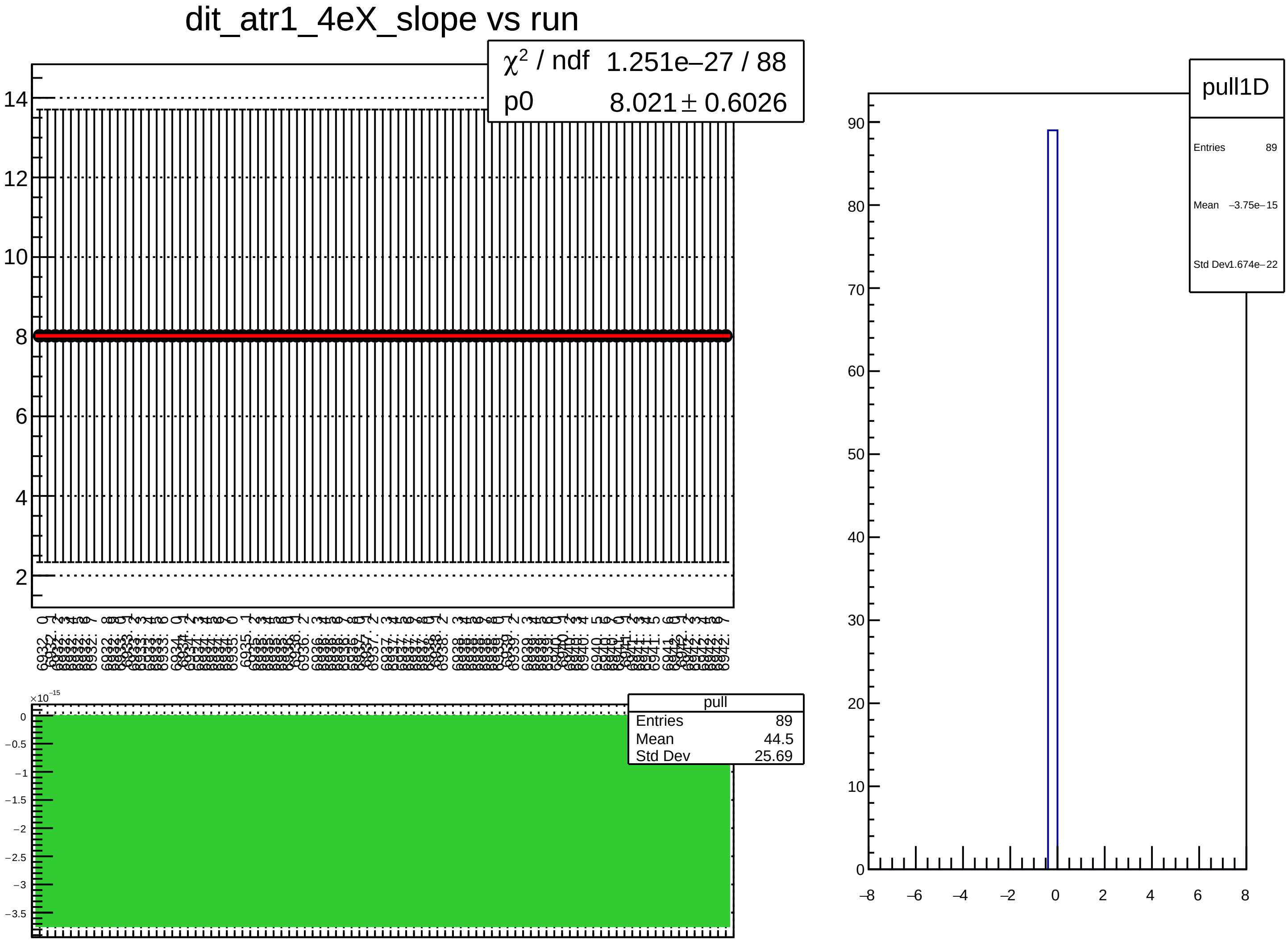


dit_atl2_4aY_slope vs run
χ^2 / ndf 7.663e−26 / 88
p0 19.07 ± 0.08983
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.934e−14
Std Dev1.585e−21

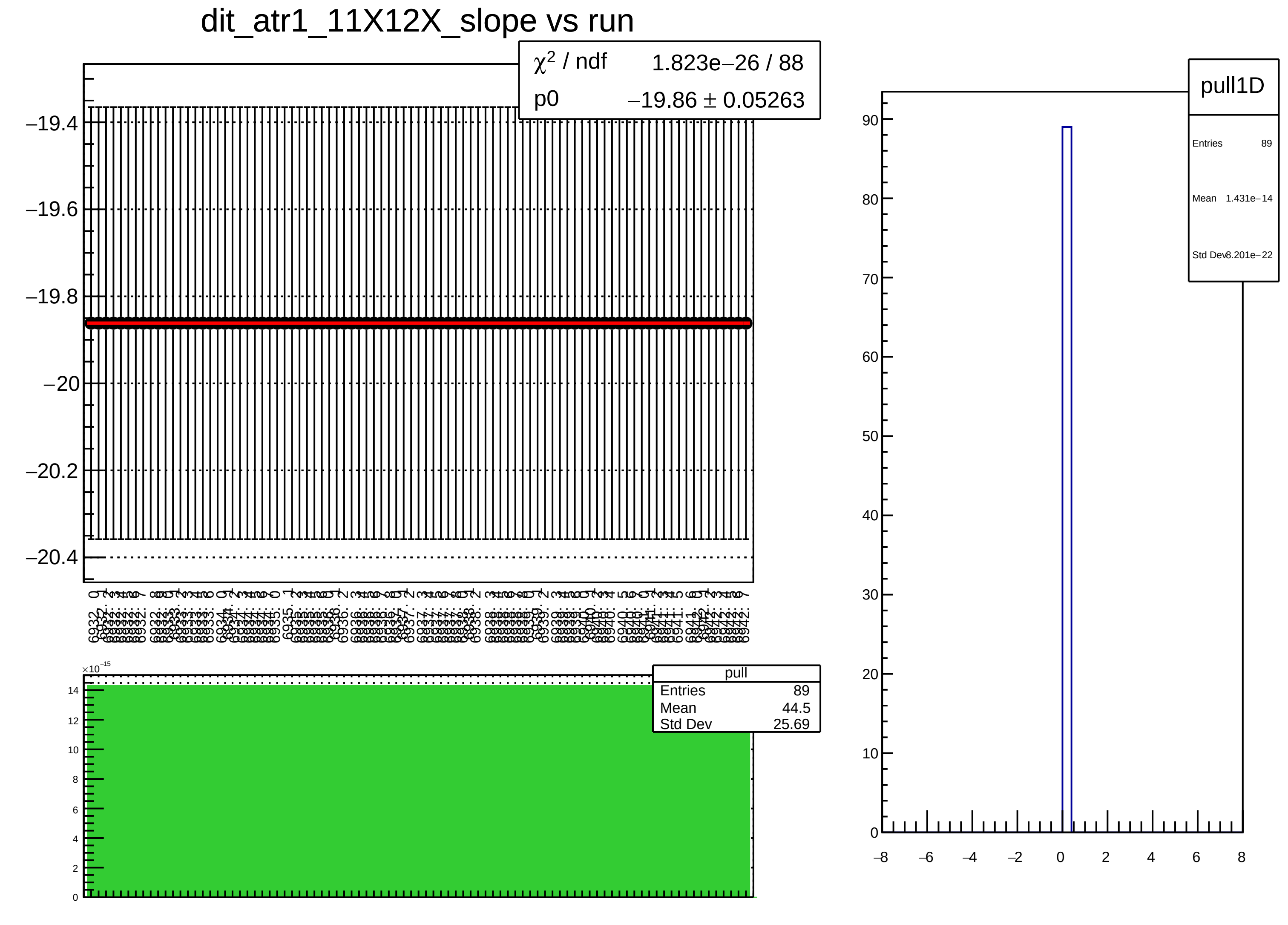


dit_atl2_4eY_slope vs run
χ^2 / ndf 3.354e−24 / 88
p0 129.2 ± 0.09311
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.941e−13
Std Dev 4.792e−21

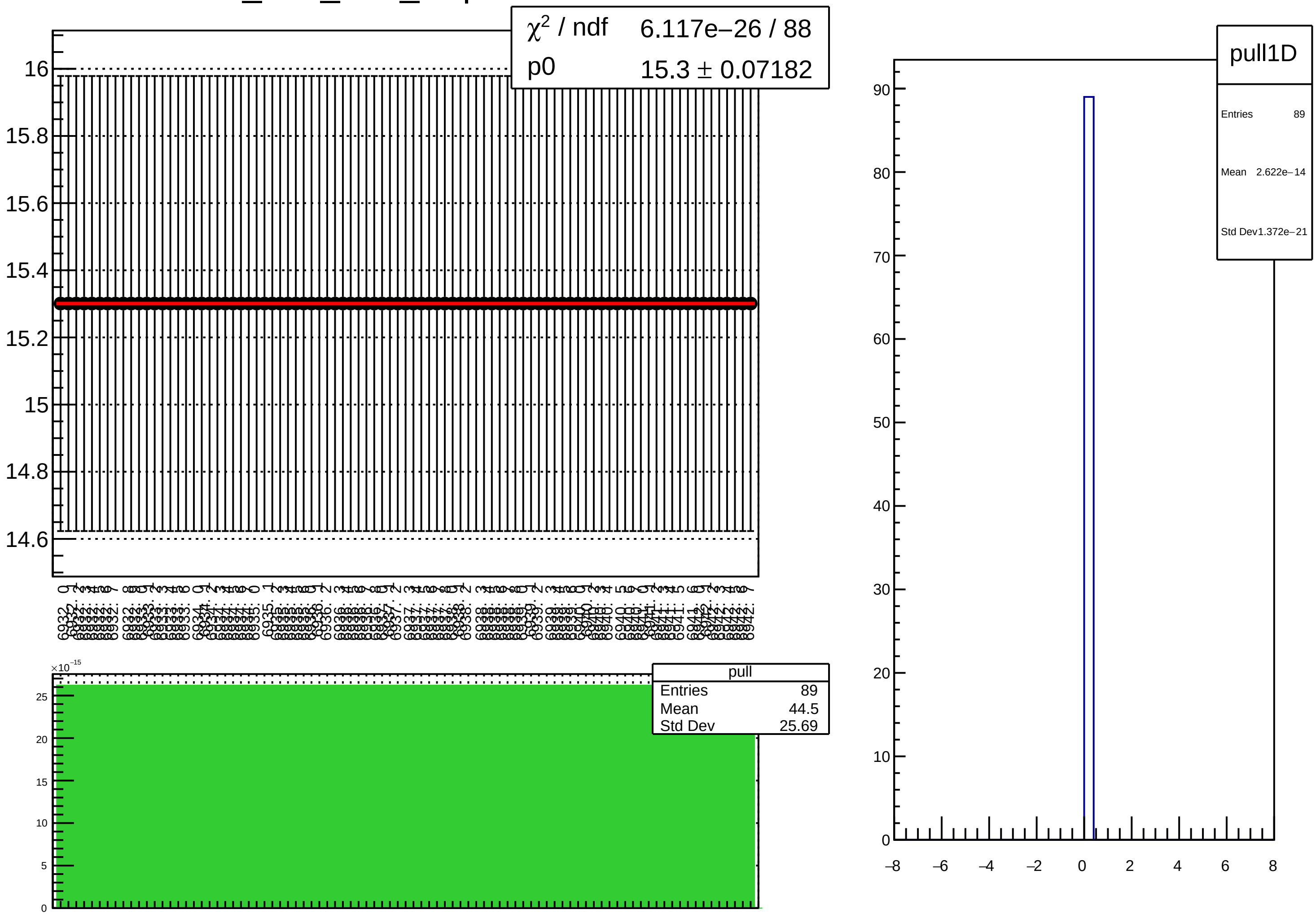

dit_atr1_4aX_slope vs run
χ2 / ndf 3.553e−28 / 88
p0 −67.85 ± 0.7539
−60
−62
−64
−66
−68
−70
−72
−74
−76
×10−15
0
−0.5
−1
−1.5
−2
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.998e−15
Std Dev 5.294e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

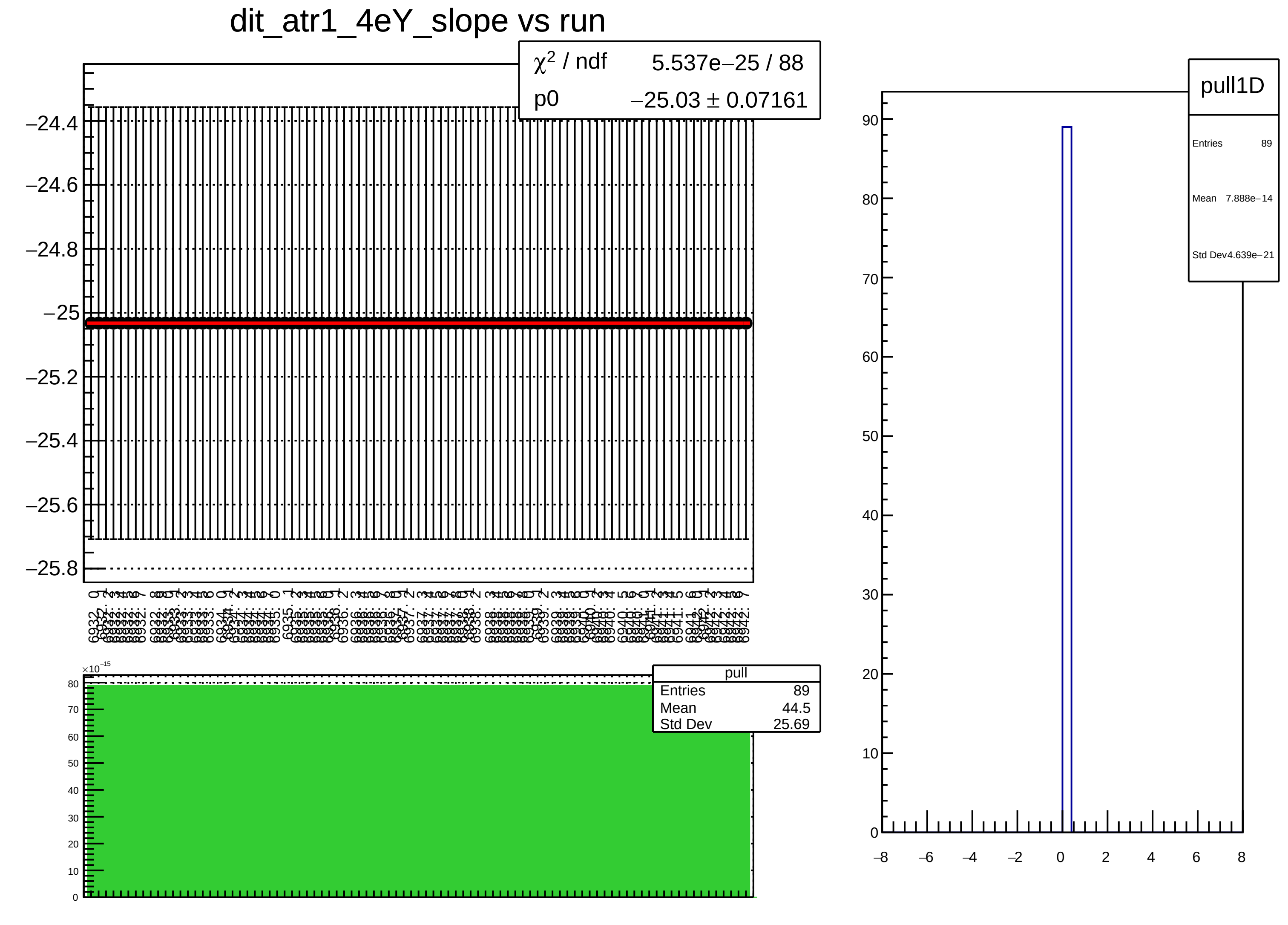


dit_atr1_4eX_slope vs run
χ^2 / ndf 1.251e−27 / 88
p0 8.021 ± 0.6026
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −3.75e−15
Std Dev1.674e−22

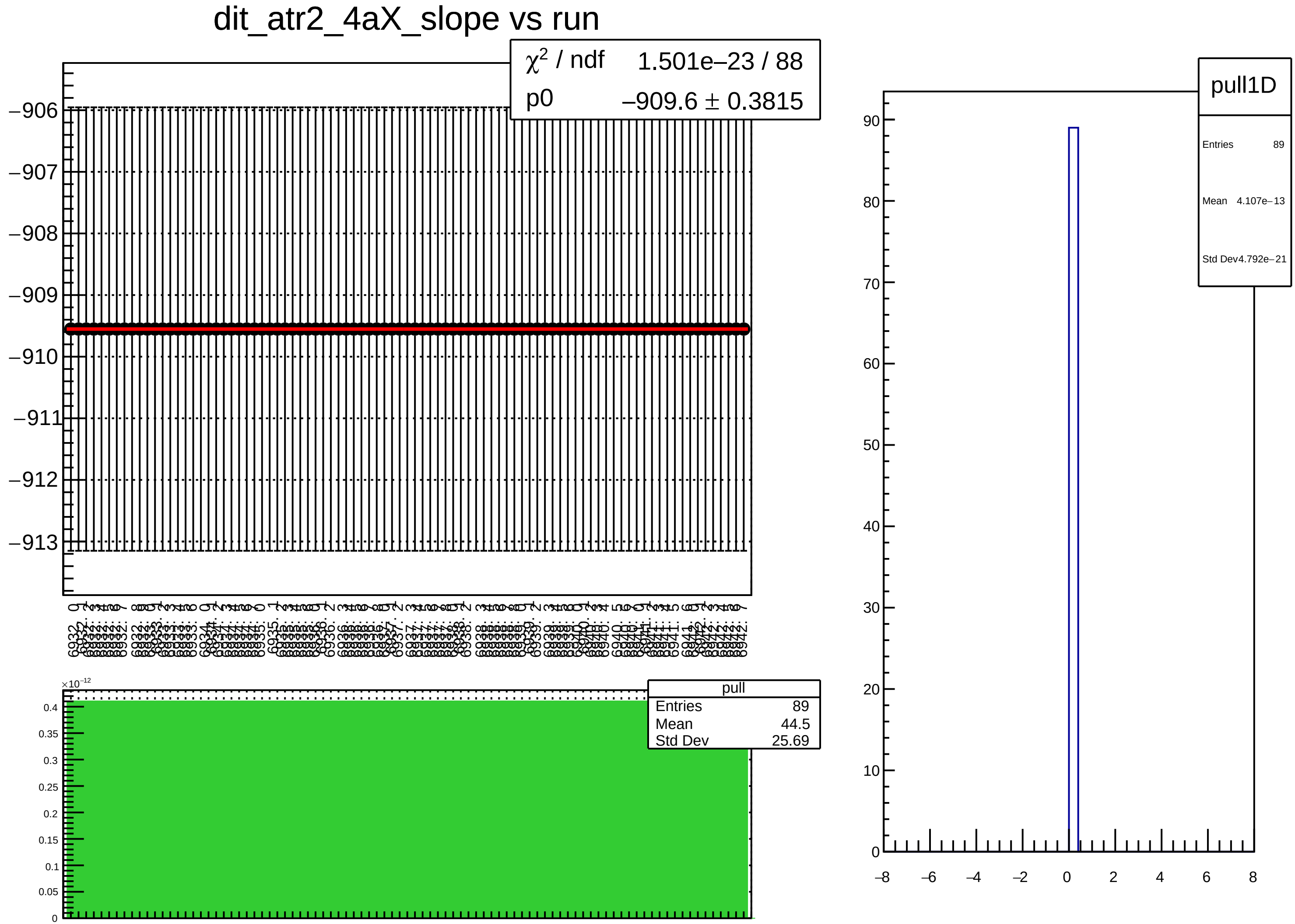

dit_atr1_11X12X_slope vs run
χ2 / ndf 1.823e−26 / 88
p0 −19.86 ± 0.05263
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.431e−14
Std Dev 8.201e−22

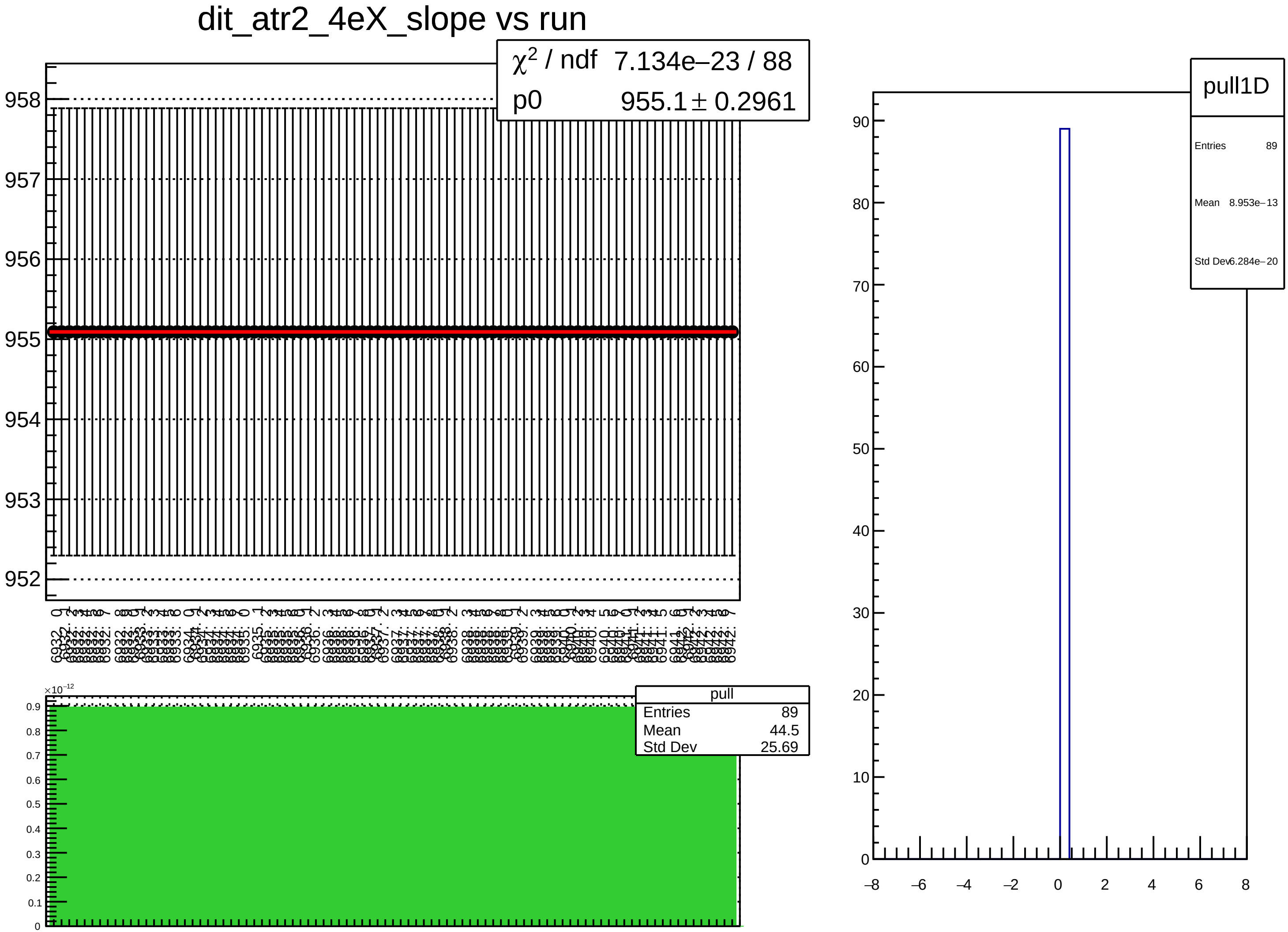
dit_atr1_4aY_slope vs run



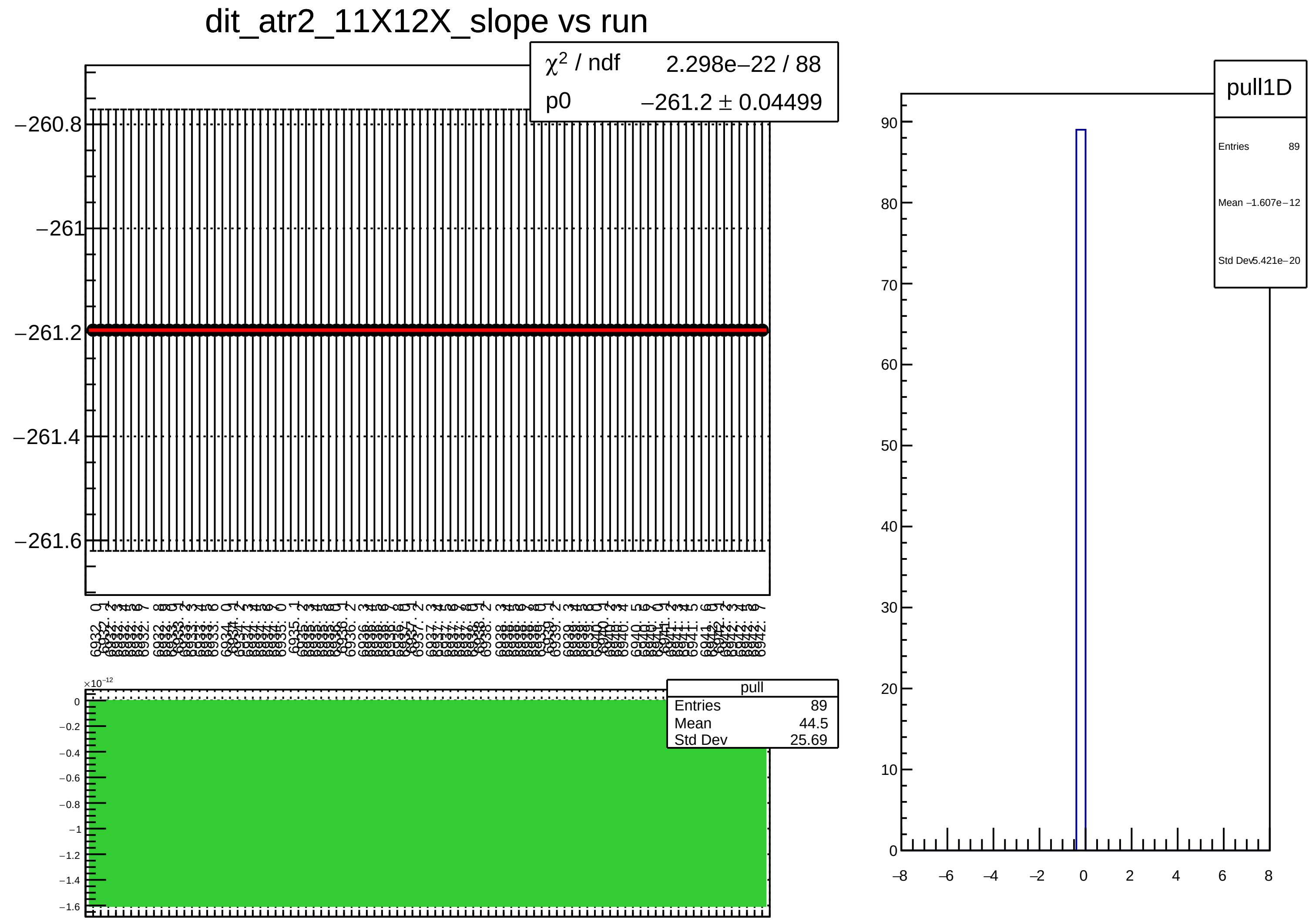


dit_atr1_4eY_slope vs run
χ^2 / ndf 5.537e−25 / 88
p0 −25.03 ± 0.07161
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 7.888e−14
Std Dev 4.639e−21


dit_atr2_4aX_slope vs run
χ^2 / ndf 1.501e−23 / 88
p0 −909.6 ± 0.3815
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.107e−13
Std Dev 4.792e−21

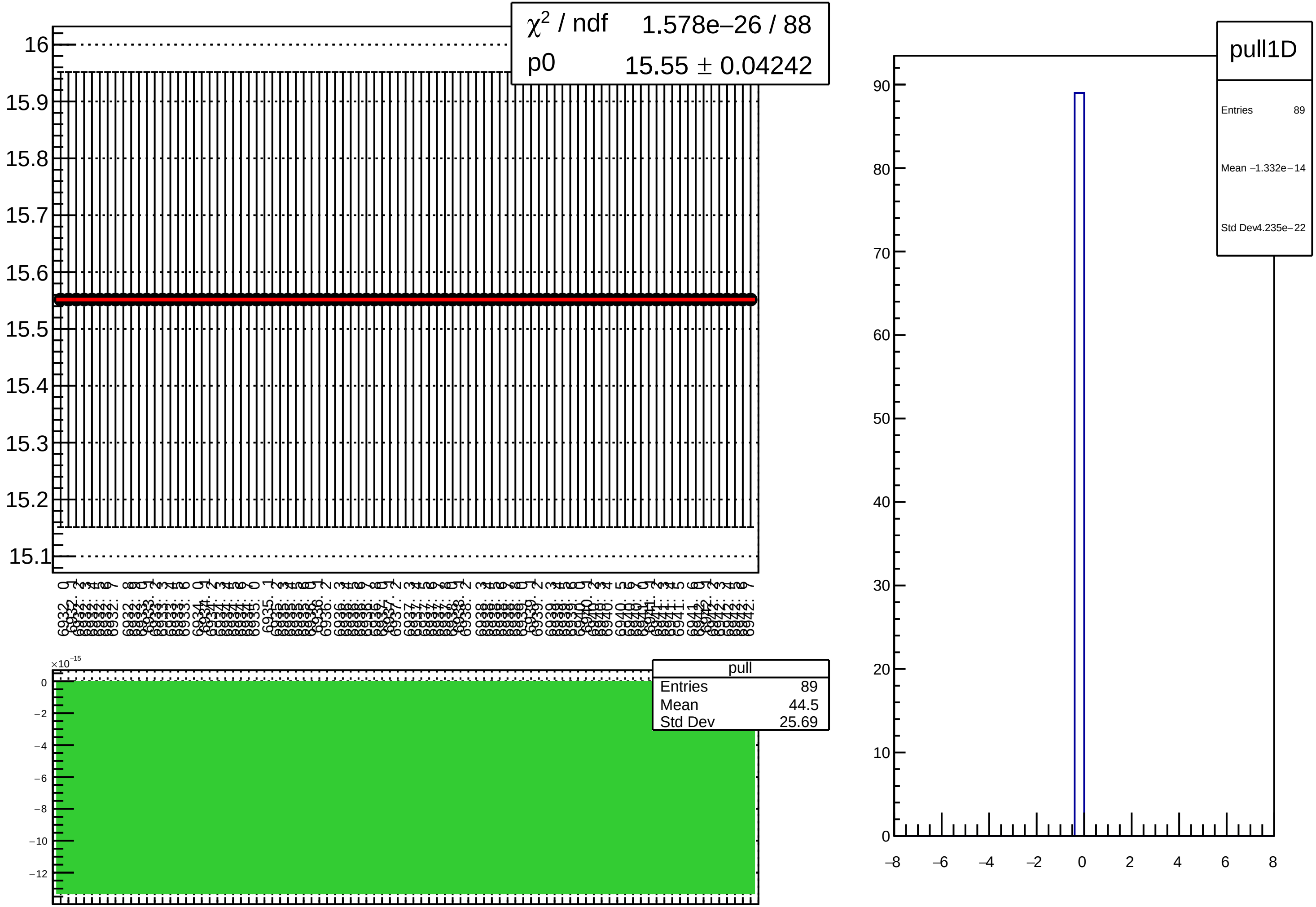


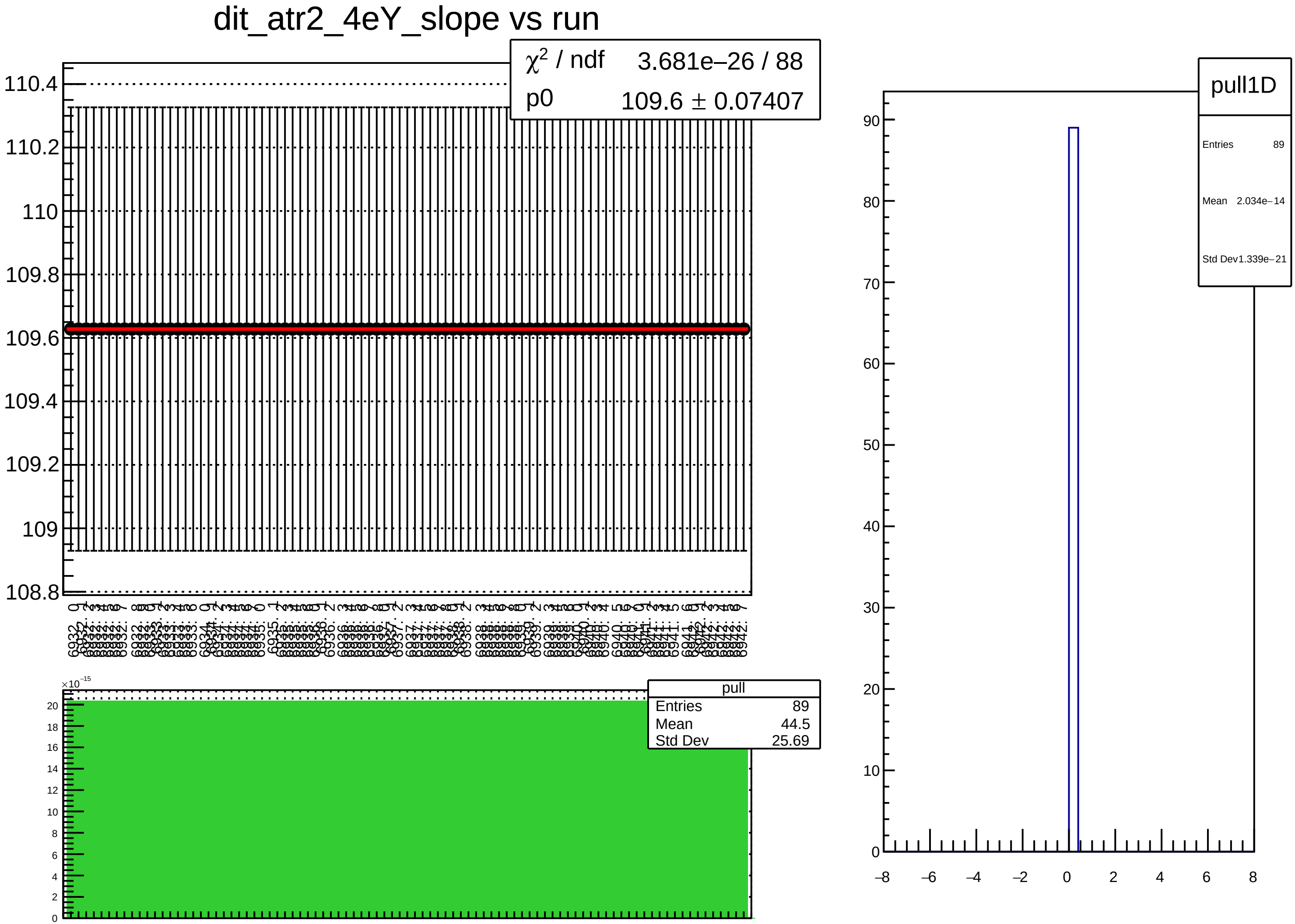
dit_atr2_4eX_slope vs run
χ^2 / ndf 7.134e−23 / 88
p0 955.1 ± 0.2961
958
957
956
955
954
953
952
$\times 10^{-12}$
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 8.953e−13
Std Dev 6.284e−20



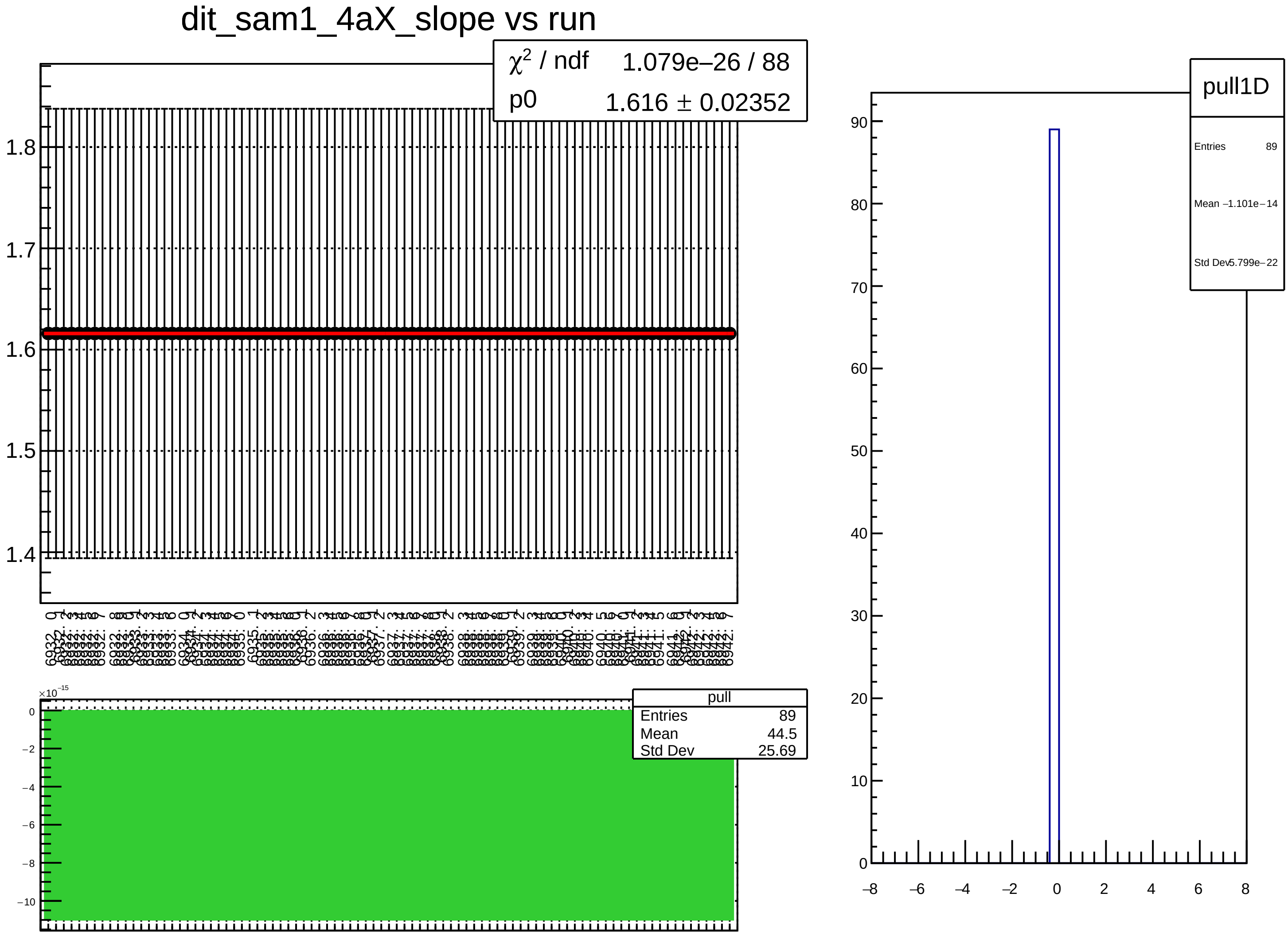
dit_atr2_11X12X_slope vs run
χ^2 / ndf 2.298e−22 / 88
p0 −261.2 ± 0.04499
−260.8
−261
−261.2
−261.4
−261.6
×10⁻¹²
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.607e−12
Std Dev5.421e−20

dit_atr2_4aY_slope vs run

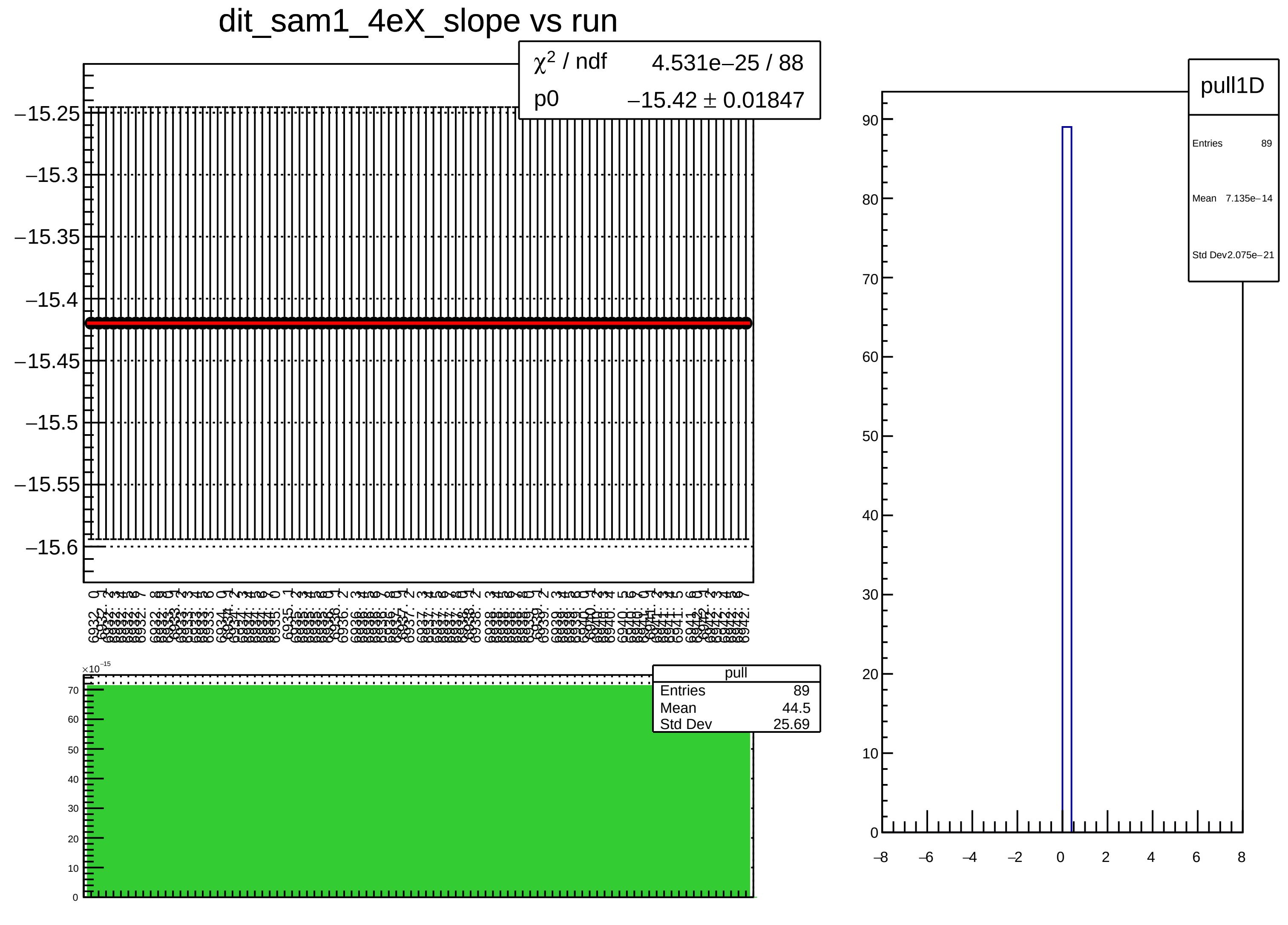


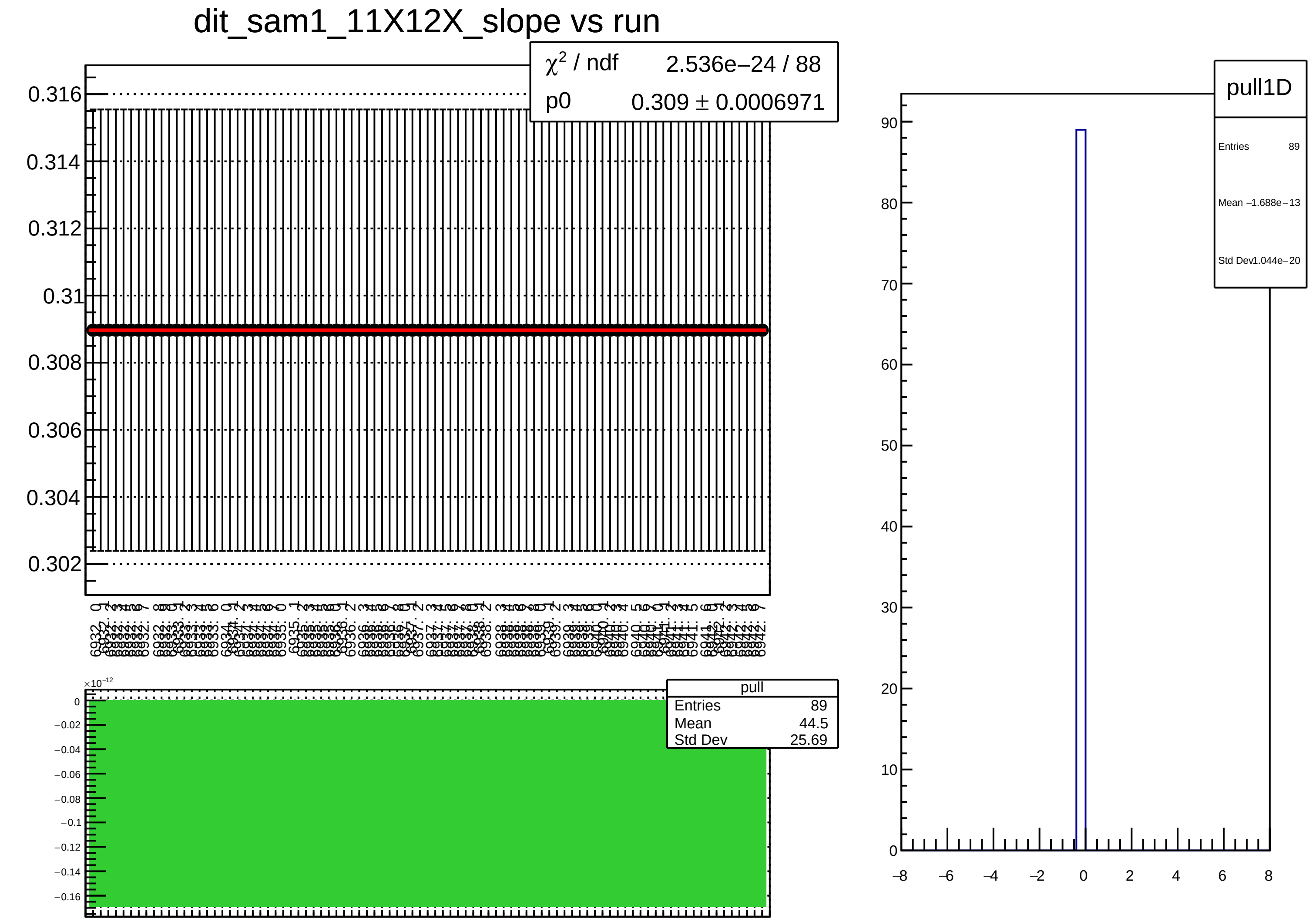


dit_atr2_4eY_slope vs run
χ^2 / ndf 3.681e−26 / 88
p0 109.6 ± 0.07407
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.034e−14
Std Dev 1.339e−21

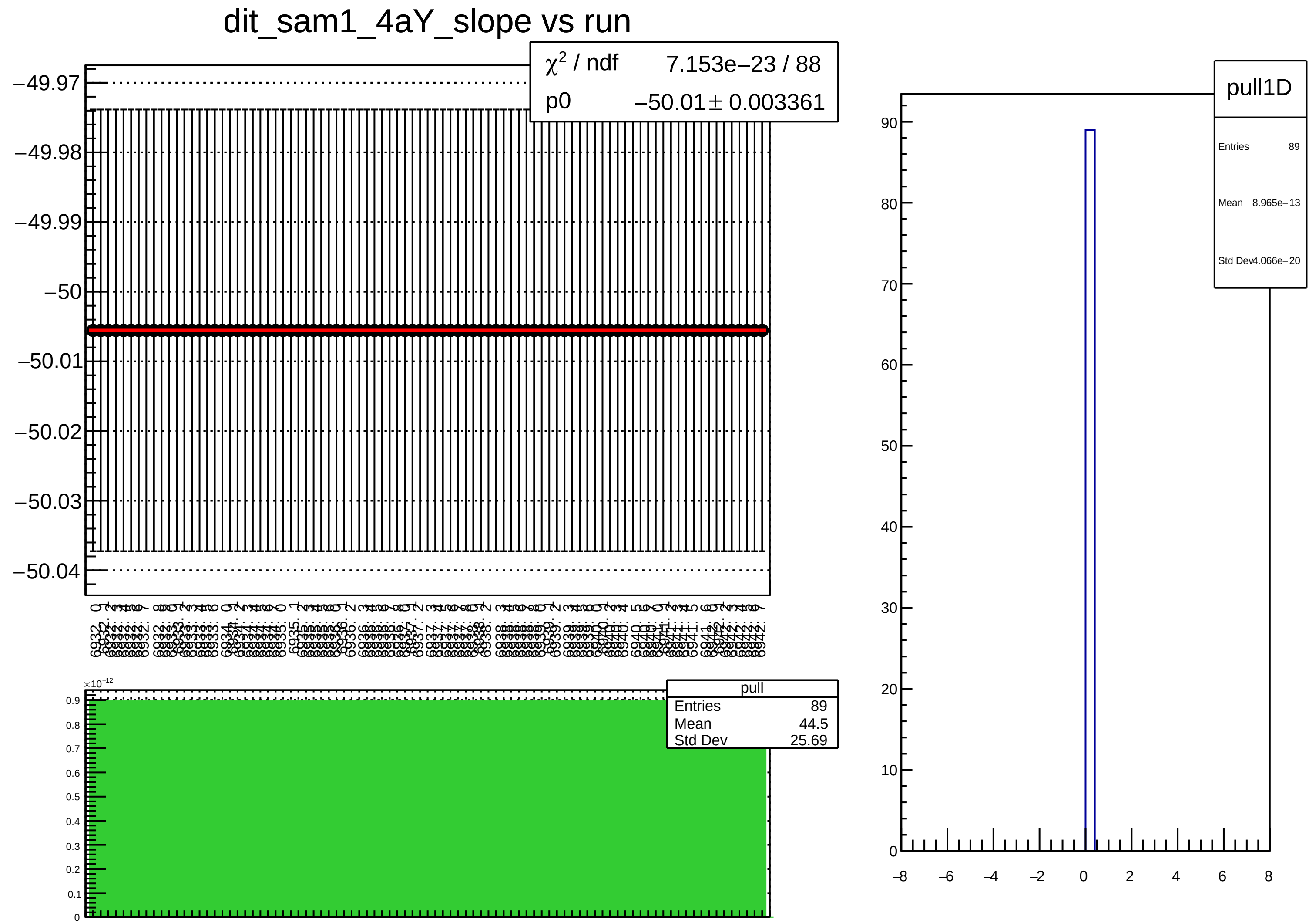


dit_sam1_4aX_slope vs run
χ^2 / ndf 1.079e−26 / 88
p0 1.616 ± 0.02352
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.101e−14
Std Dev 5.799e−22

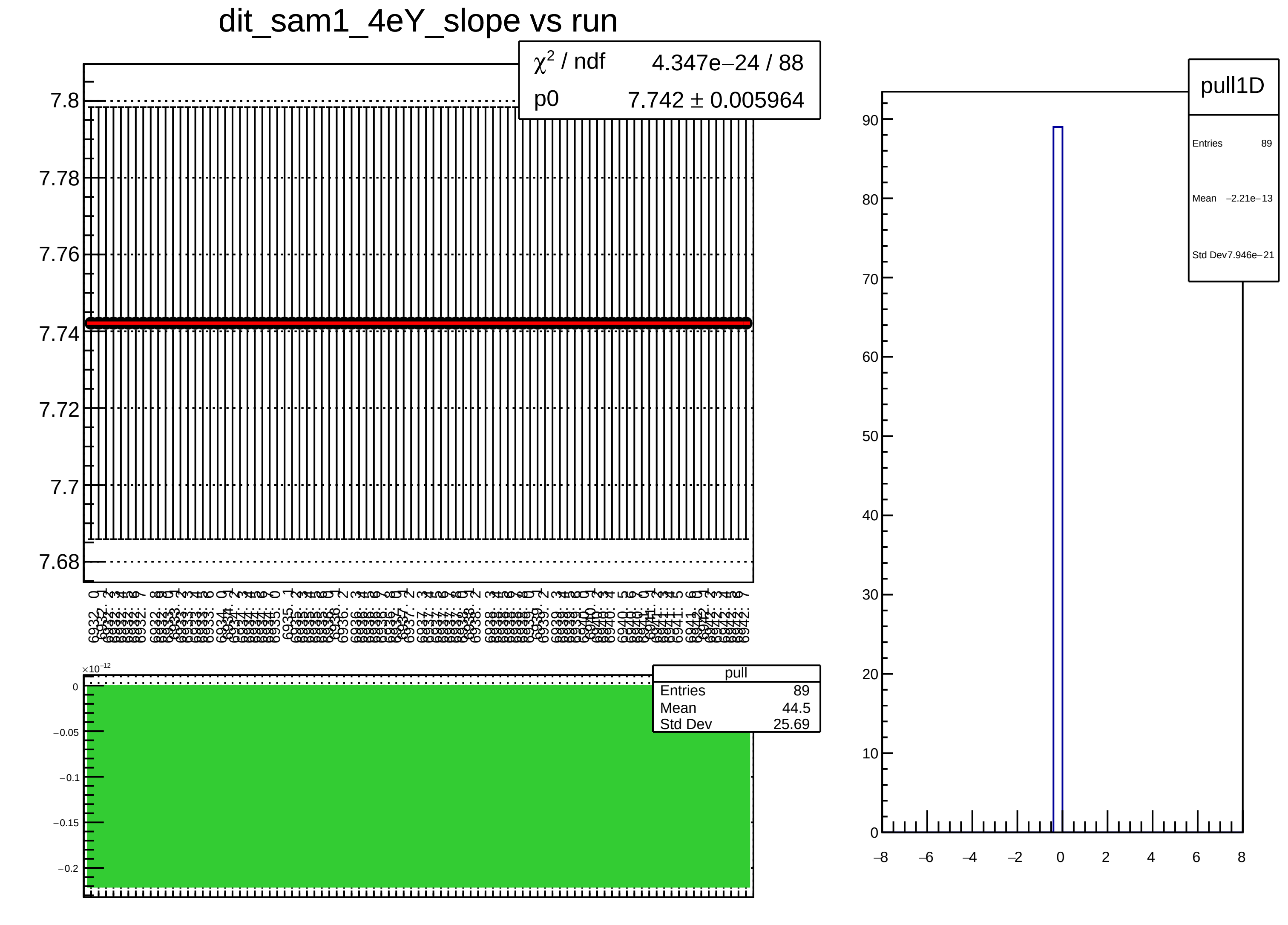

dit_sam1_4eX_slope vs run
χ^2 / ndf 4.531e−25 / 88
p0 −15.42 ± 0.01847
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 7.135e−14
Std Dev 2.075e−21



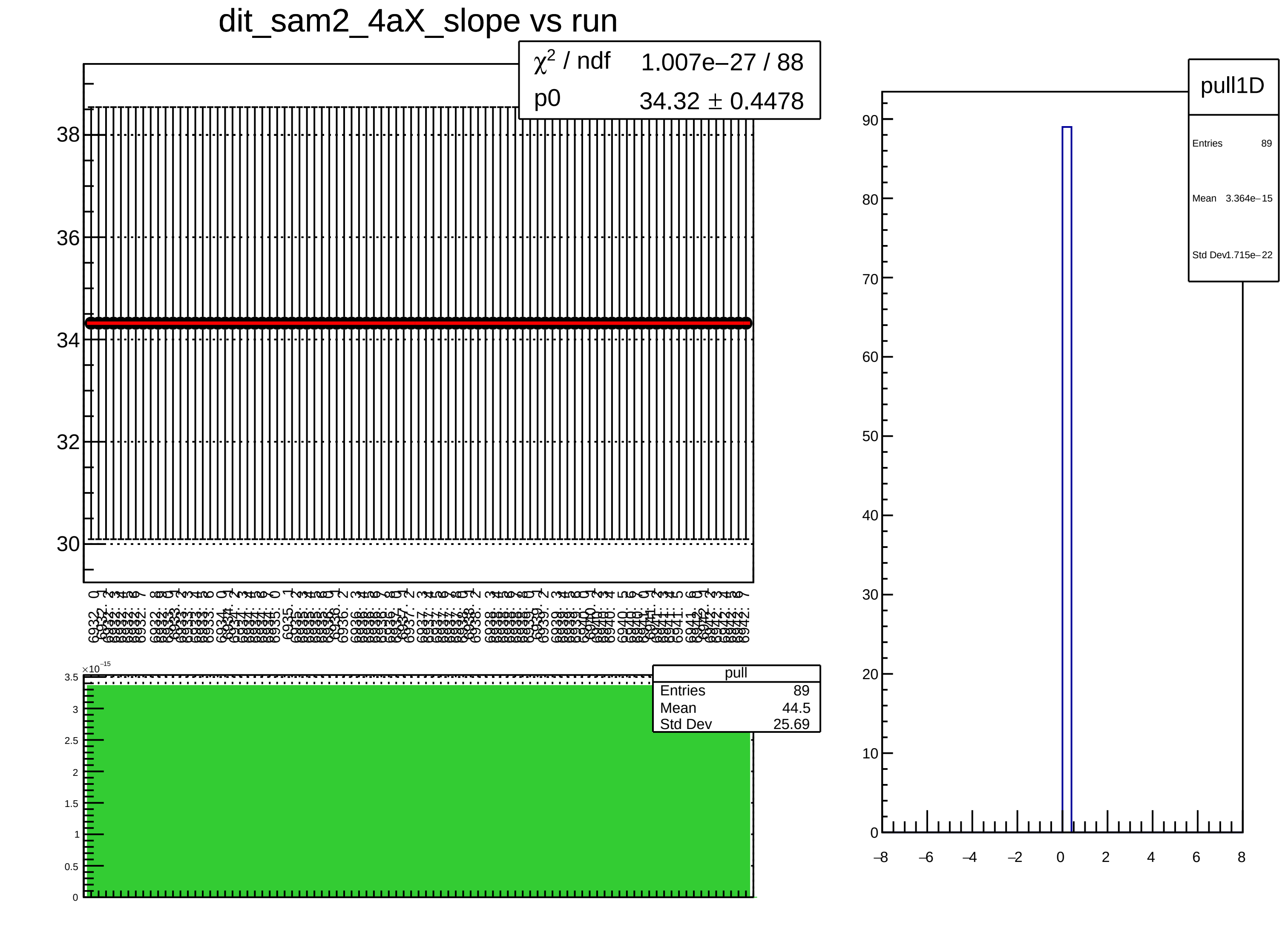
dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.536e−24 / 88
p0 0.309 ± 0.0006971
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.688e−13
Std Dev 1.044e−20

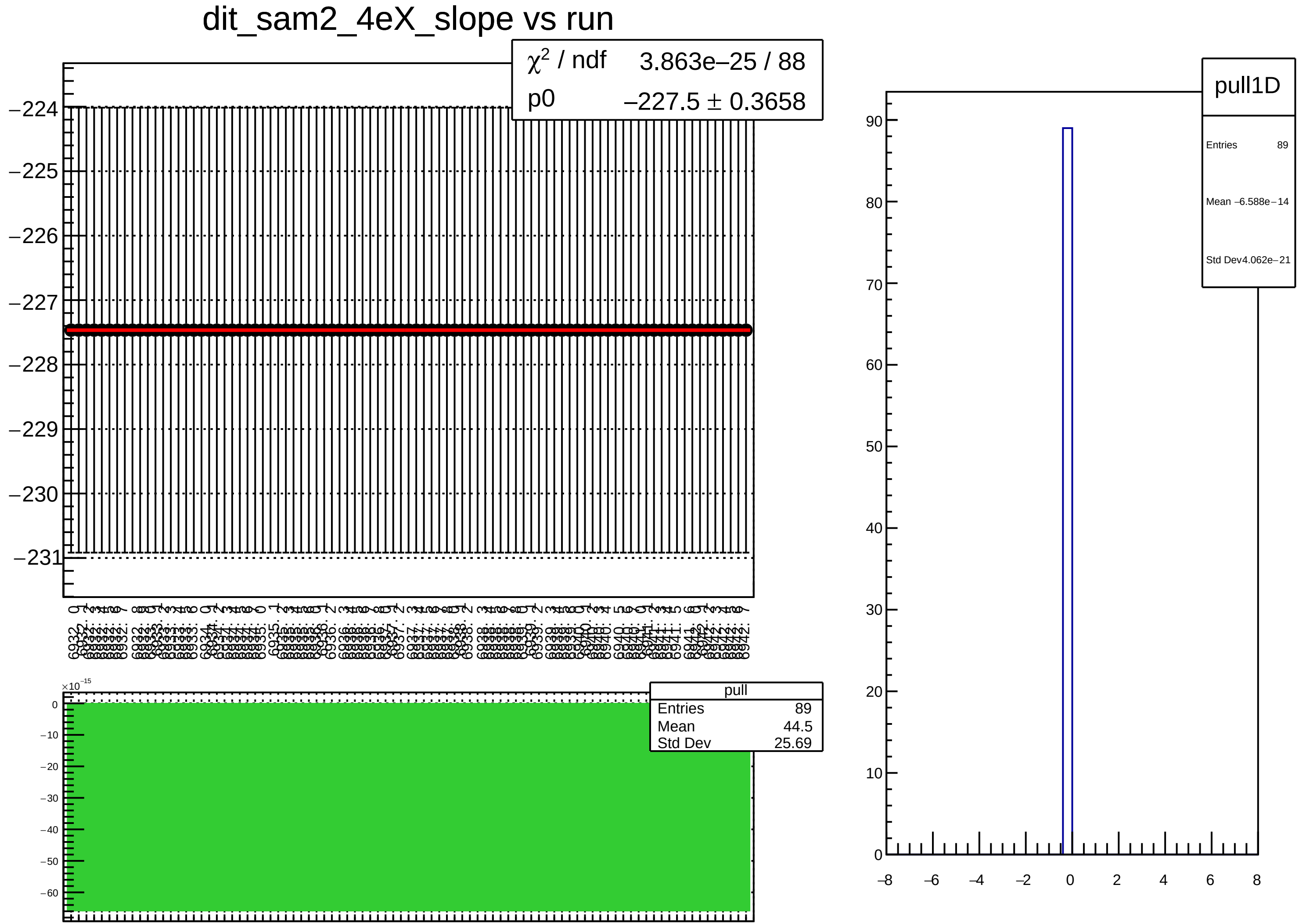


dit_sam1_4aY_slope vs run
χ^2 / ndf 7.153e−23 / 88
p0 −50.01 ± 0.003361
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 8.965e−13
Std Dev 4.066e−20

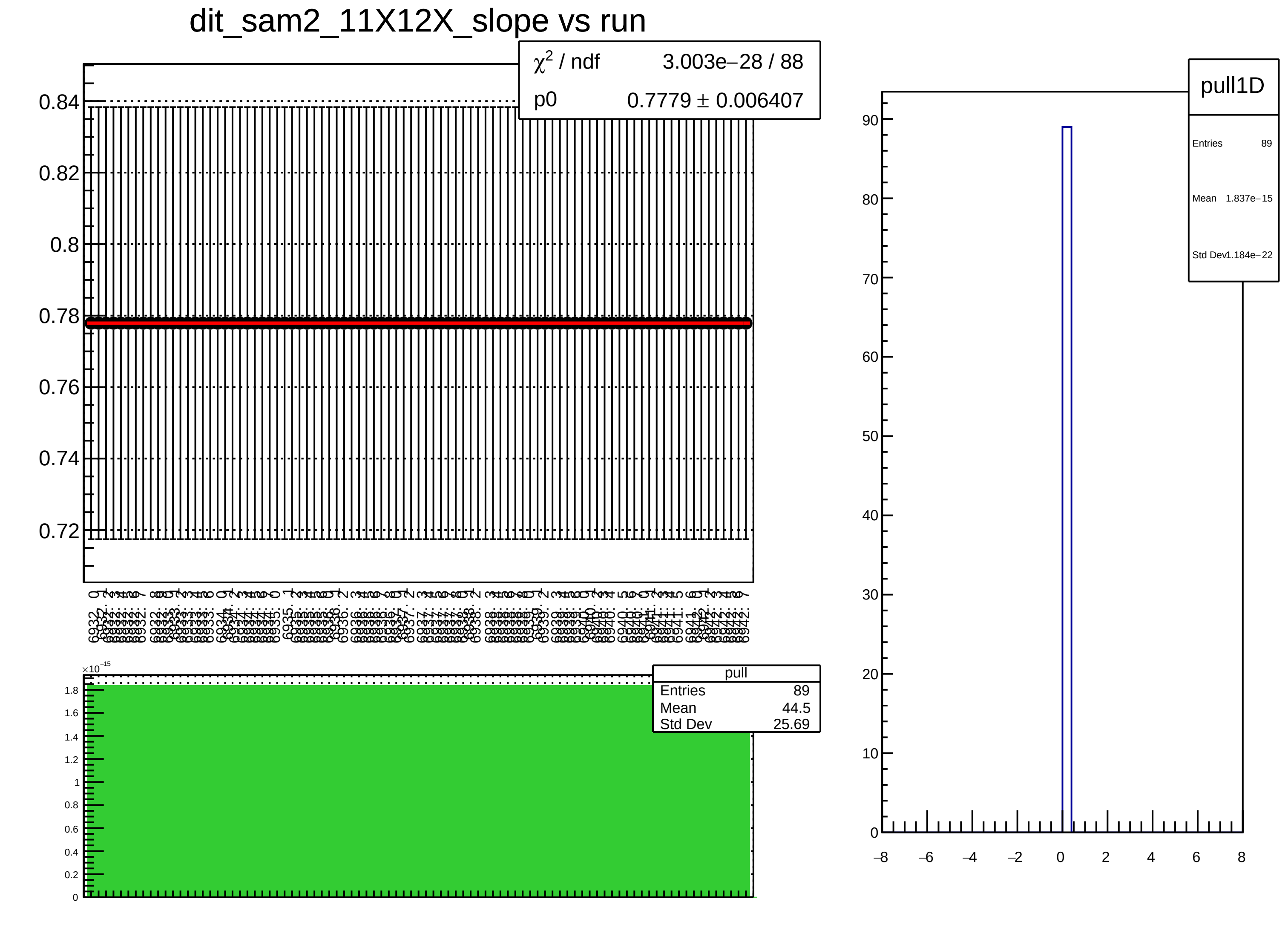


dit_sam1_4eY_slope vs run
χ2 / ndf 4.347e−24 / 88
p0 7.742 ± 0.005964
7.8
7.78
7.76
7.74
7.72
7.7
7.68
×10−12
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.21e−13
Std Dev 7.946e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

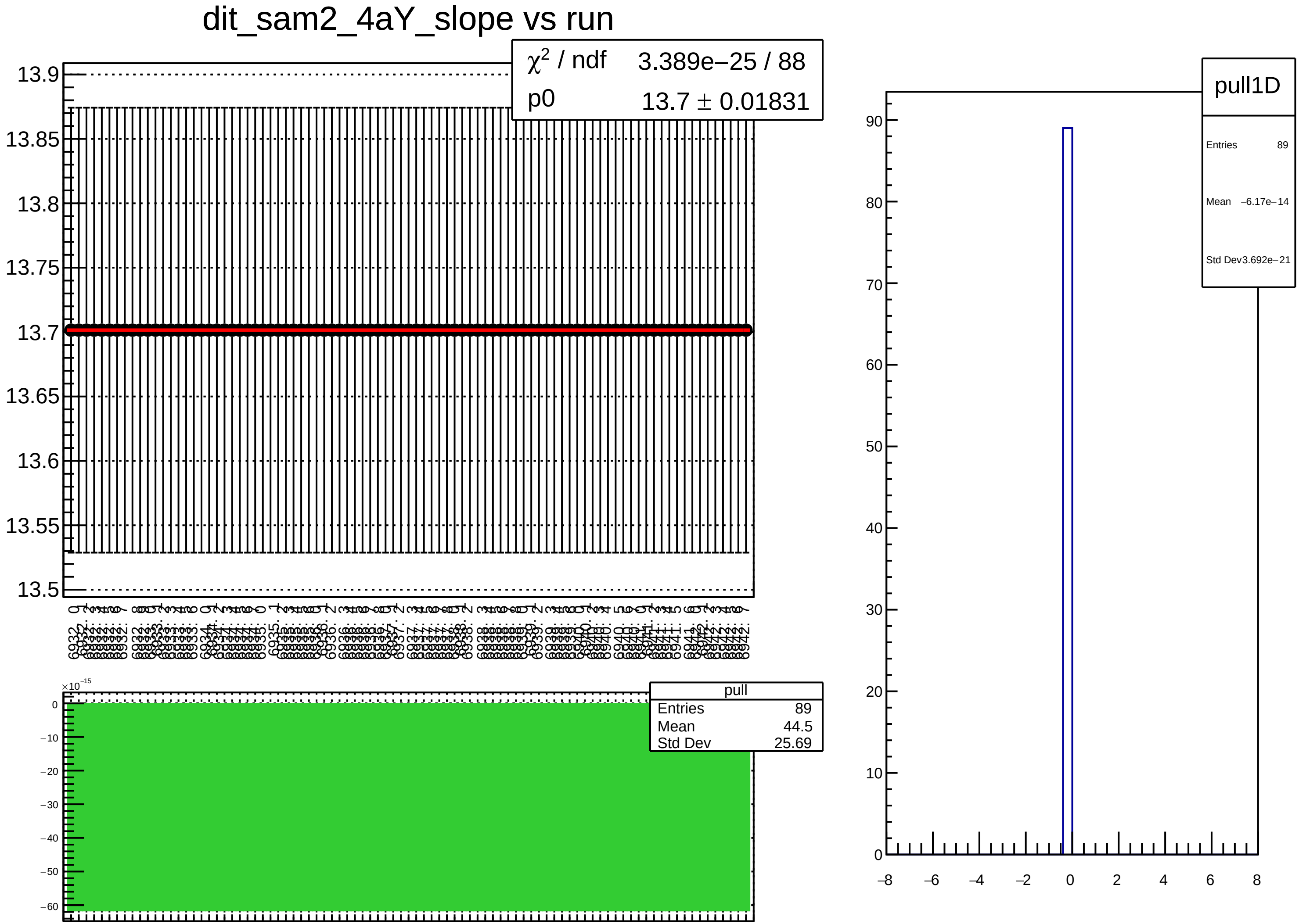

dit_sam2_4aX_slope vs run
χ2 / ndf 1.007e−27 / 88
p0 34.32 ± 0.4478
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 3.364e−15
Std Dev1.715e−22



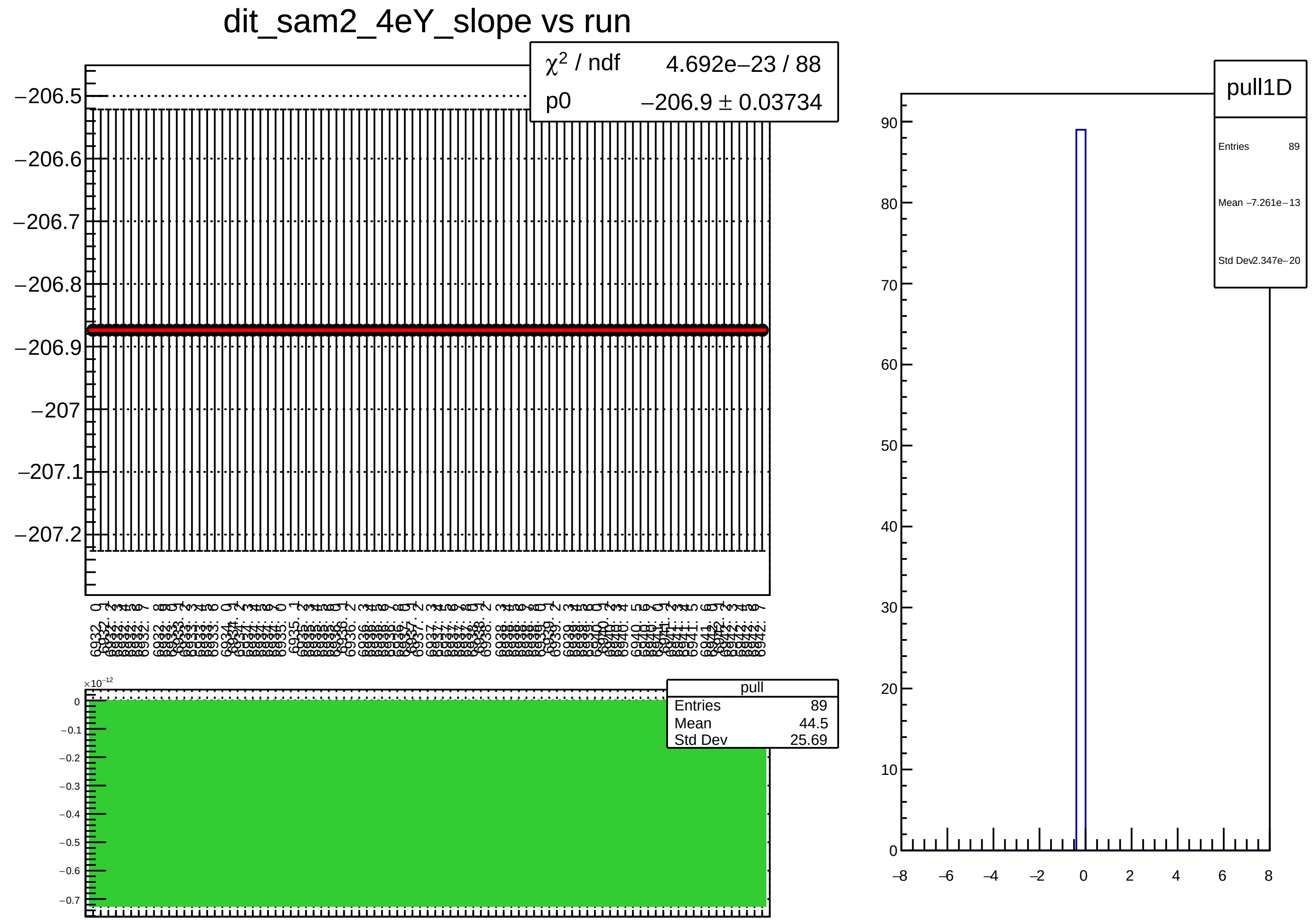
dit_sam2_4eX_slope vs run
χ^2 / ndf 3.863e−25 / 88
p0 −227.5 ± 0.3658
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −6.588e−14
Std Dev 4.062e−21



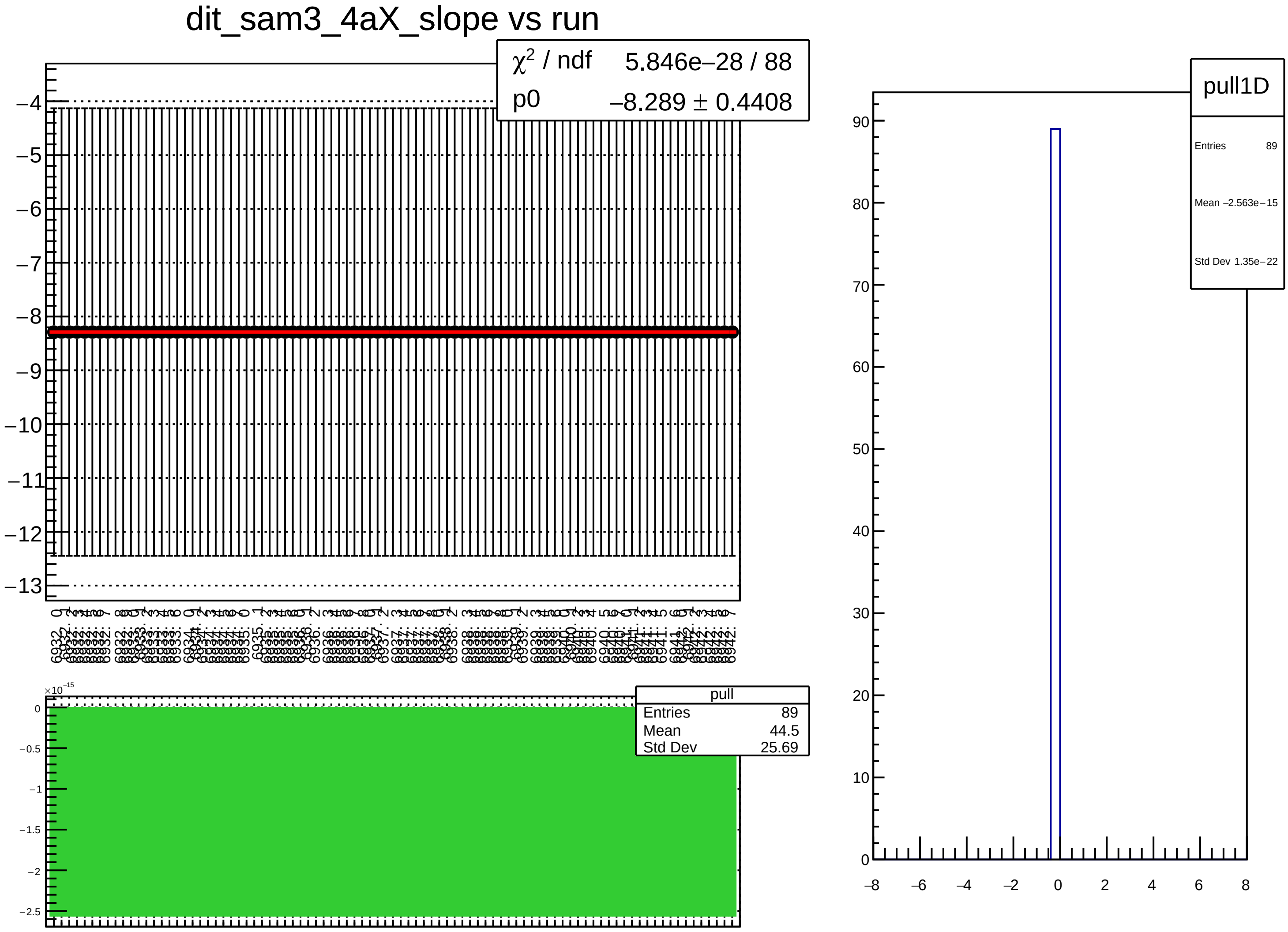
dit_sam2_11X12X_slope vs run
χ^2 / ndf 3.003e−28 / 88
p0 0.7779 ± 0.006407
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.837e−15
Std Dev 1.184e−22



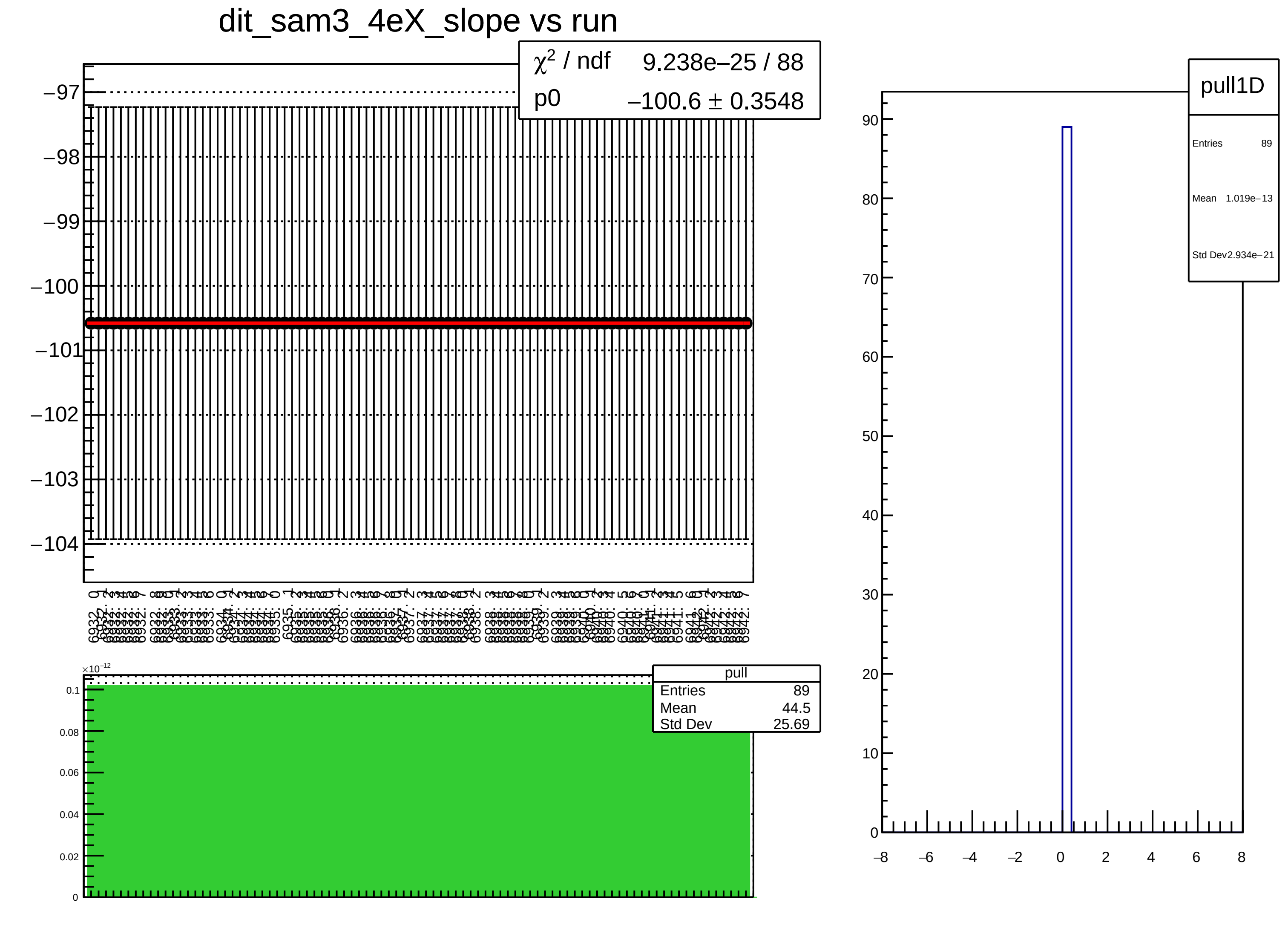
dit_sam2_4aY_slope vs run
χ2 / ndf 3.389e−25 / 88
p0 13.7 ± 0.01831
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −6.17e−14
Std Dev 3.692e−21



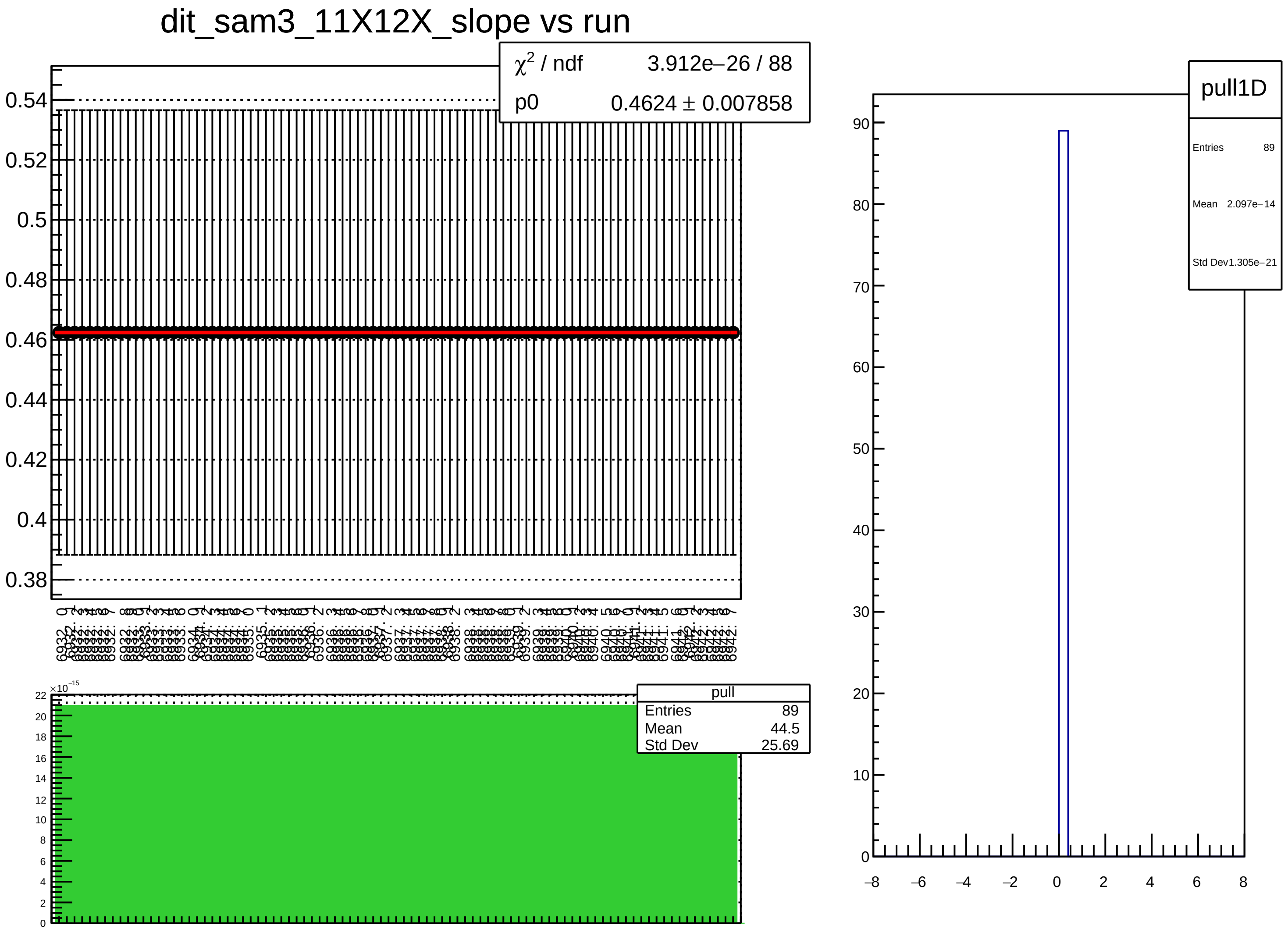
dit_sam2_4eY_slope vs run
χ^2 / ndf 4.692e−23 / 88
p0 −206.9 ± 0.03734
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −7.261e−13
Std Dev 2.347e−20



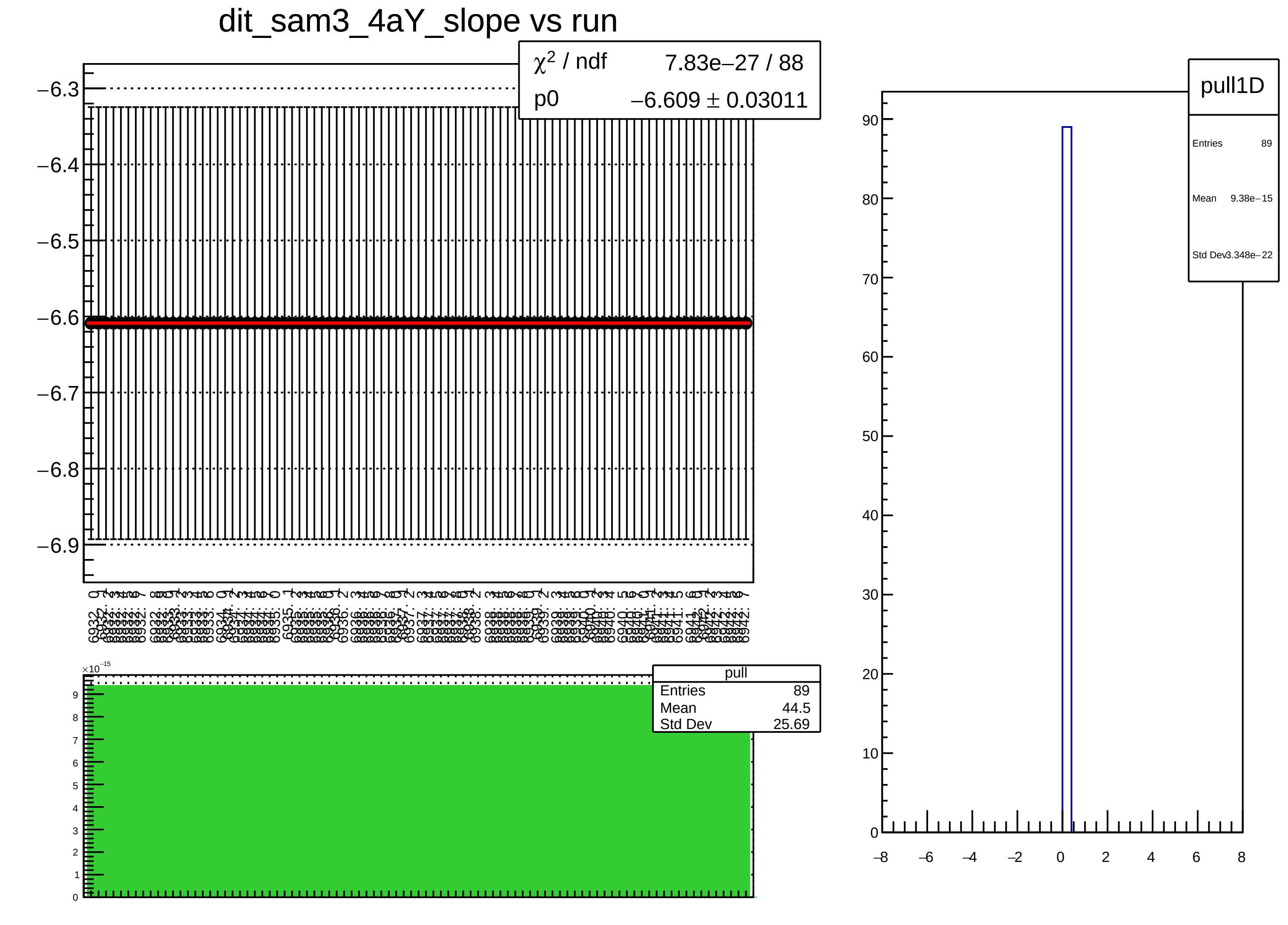
dit_sam3_4aX_slope vs run
χ^2 / ndf 5.846e−28 / 88
p0 −8.289 ± 0.4408
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.563e−15
Std Dev 1.35e−22

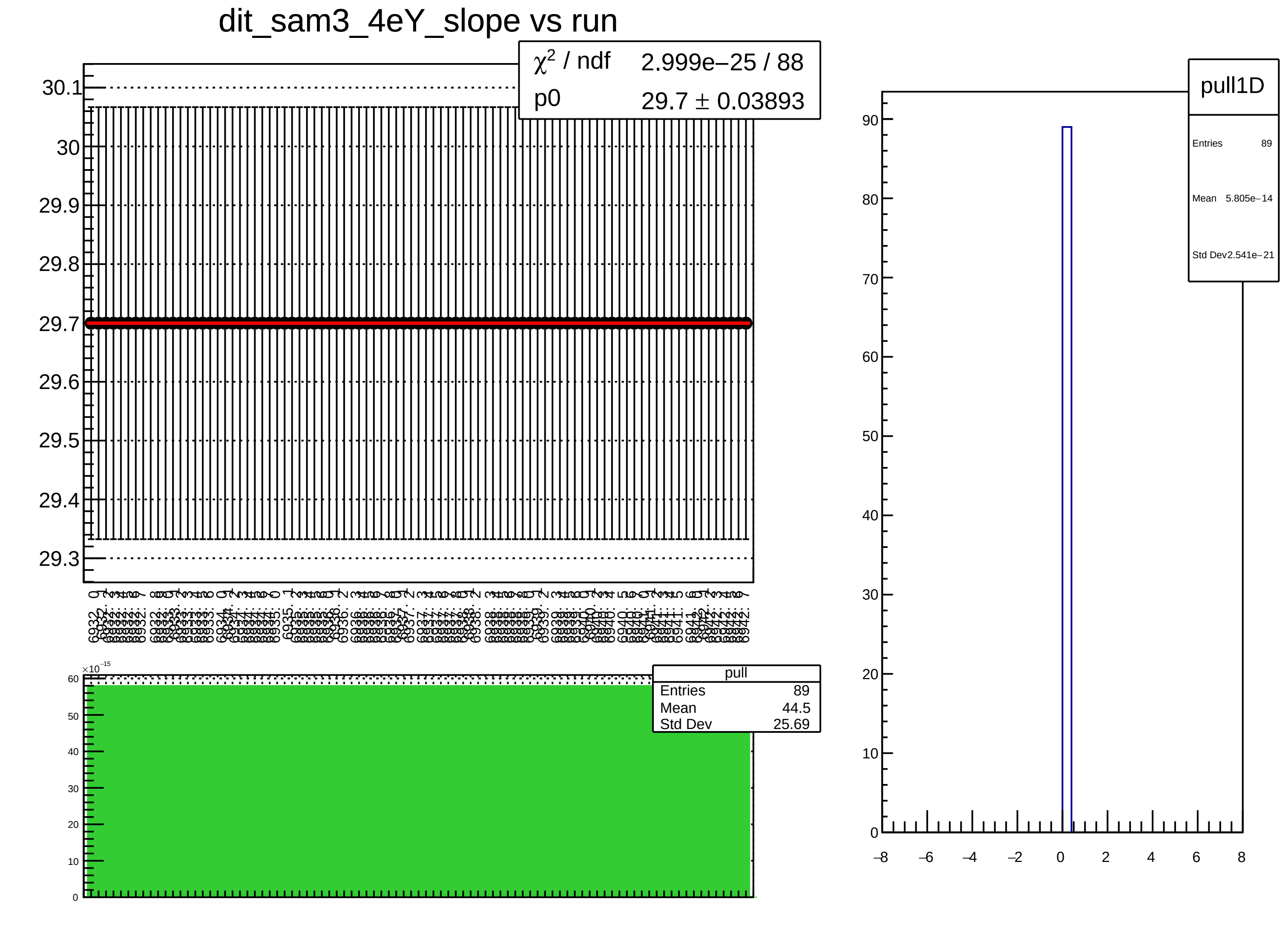


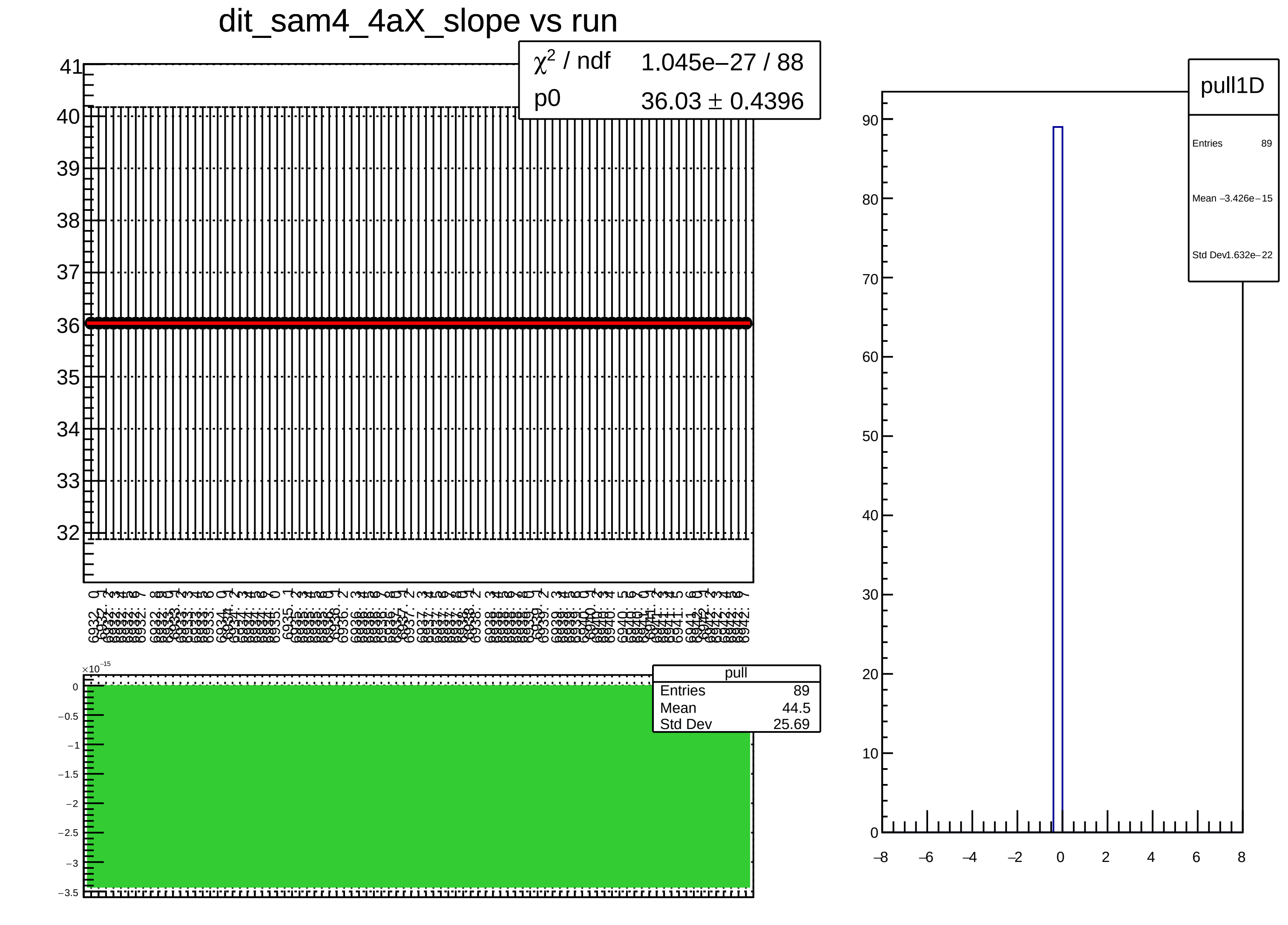
dit_sam3_4eX_slope vs run
χ^2 / ndf 9.238e−25 / 88
p0 −100.6 ± 0.3548
−97
−98
−99
−100
−101
−102
−103
−104
$\times10^{-12}$
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.019e−13
Std Dev 2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

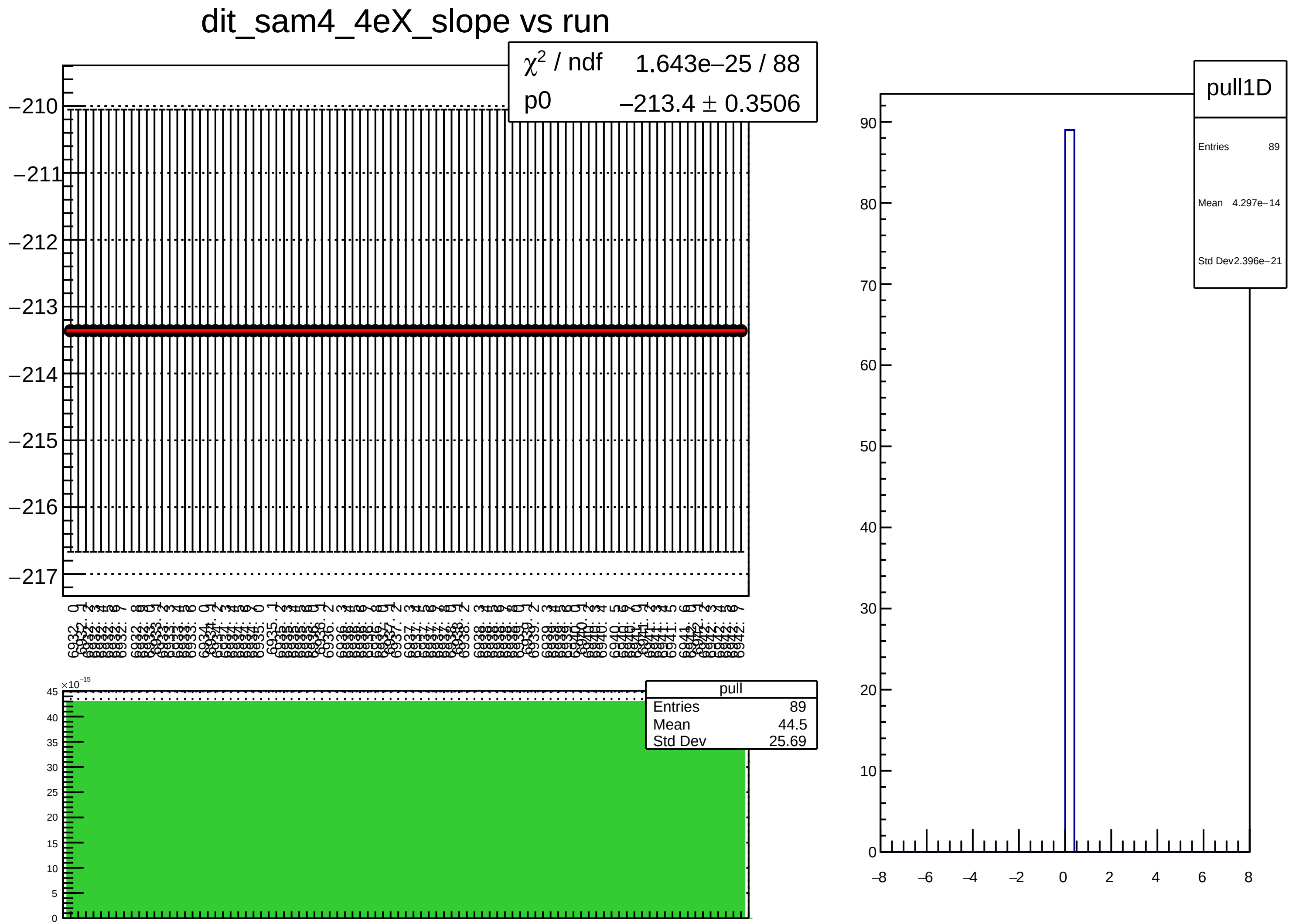


dit_sam3_11X12X_slope vs run
χ^2 / ndf 3.912e−26 / 88
p0 0.4624 ± 0.007858
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.097e−14
Std Dev 1.305e−21

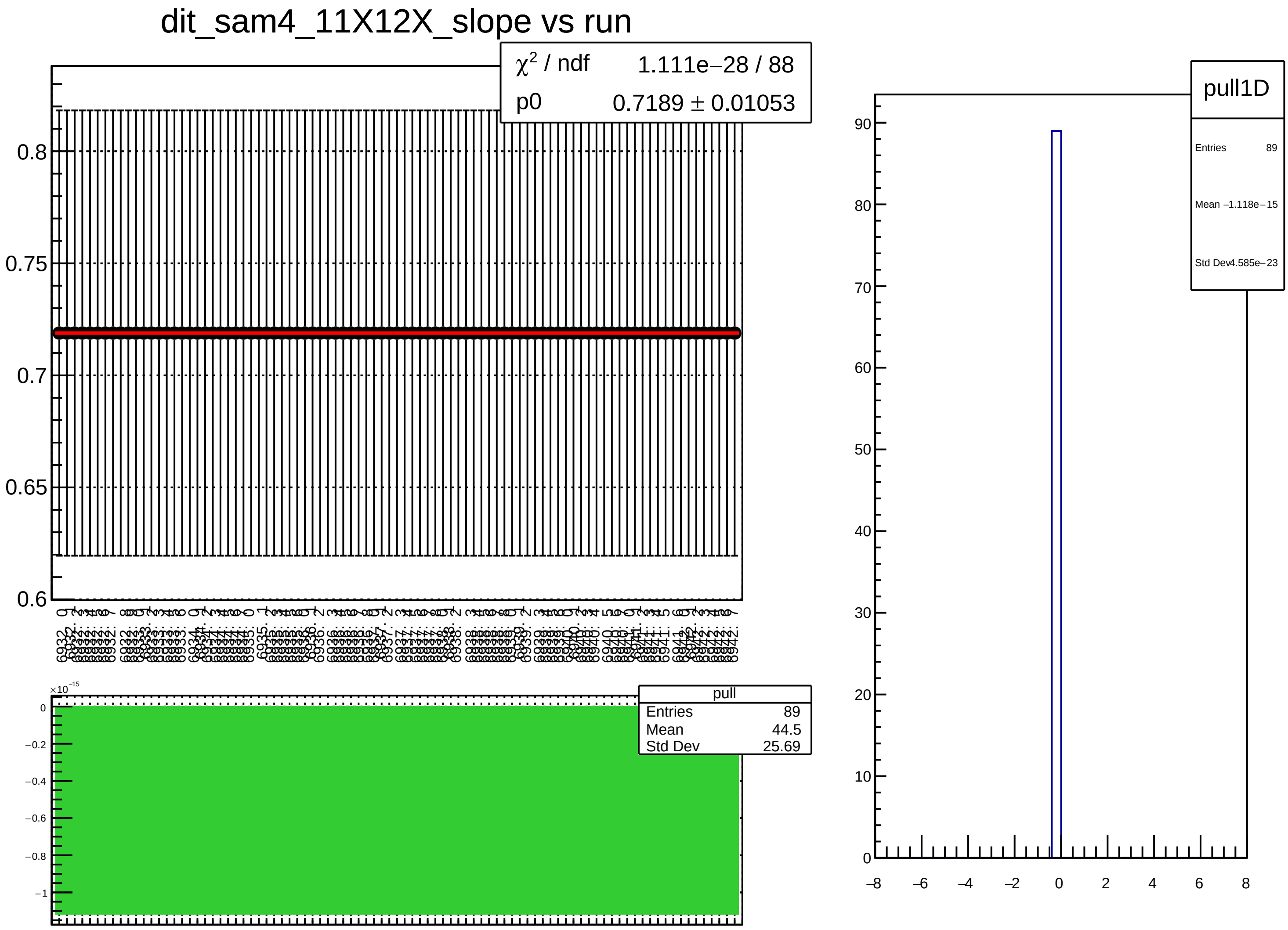

dit_sam3_4aY_slope vs run
χ2 / ndf 7.83e−27 / 88
p0 −6.609 ± 0.03011
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 9.38e−15
Std Dev 3.348e−22


dit_sam3_4eY_slope vs run
χ^2 / ndf 2.999e−25 / 88
p0 29.7 ± 0.03893
30.1
30
29.9
29.8
29.7
29.6
29.5
29.4
29.3
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 5.805e−14
Std Dev 2.541e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

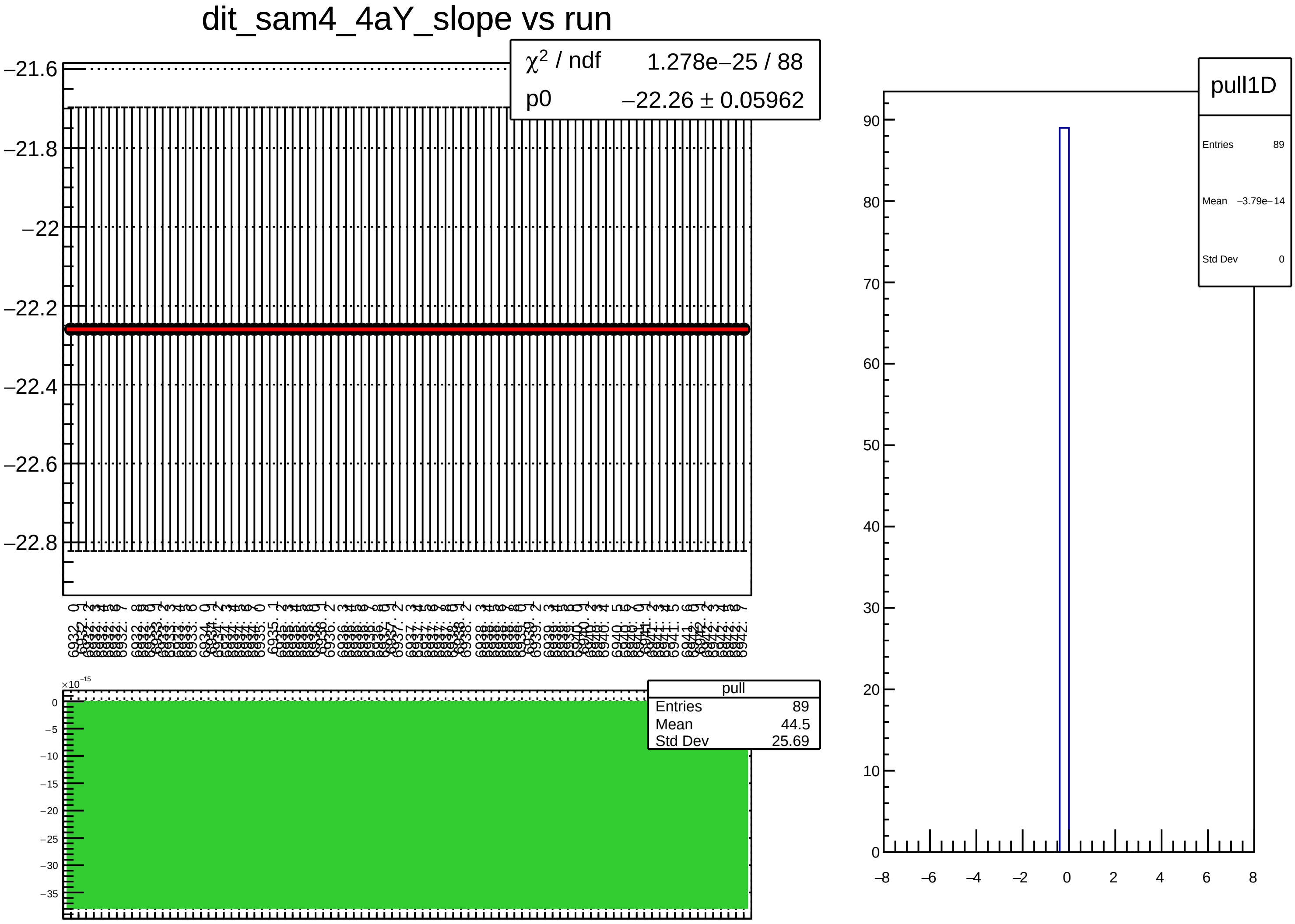

dit_sam4_4aX_slope vs run
χ2 / ndf 1.045e−27 / 88
p0 36.03 ± 0.4396
41
40
39
38
37
36
35
34
33
32
×10−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −3.426e−15
Std Dev1.632e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



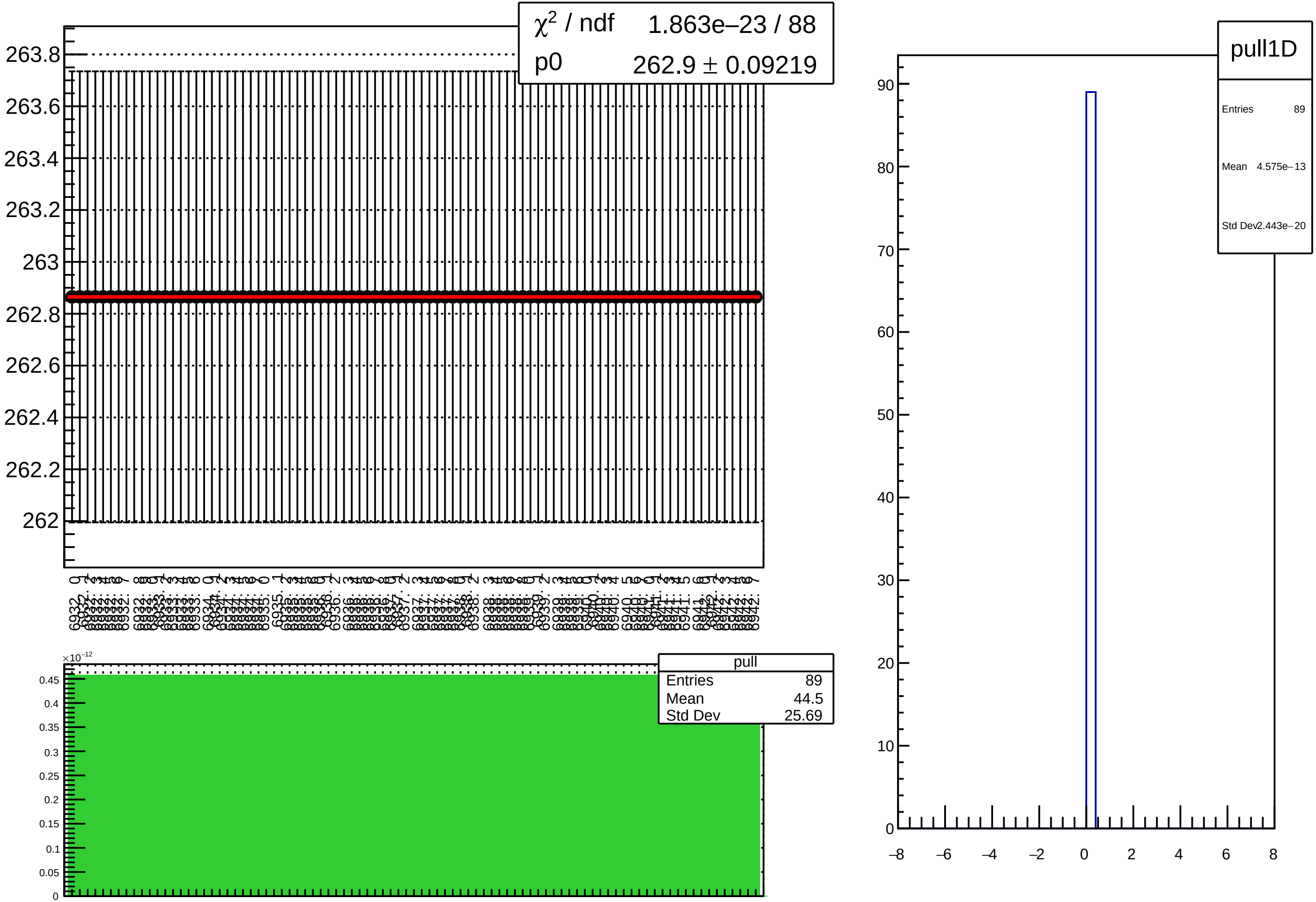
dit_sam4_4eX_slope vs run
χ^2 / ndf 1.643e−25 / 88
p0 −213.4 ± 0.3506
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.297e−14
Std Dev 2.396e−21

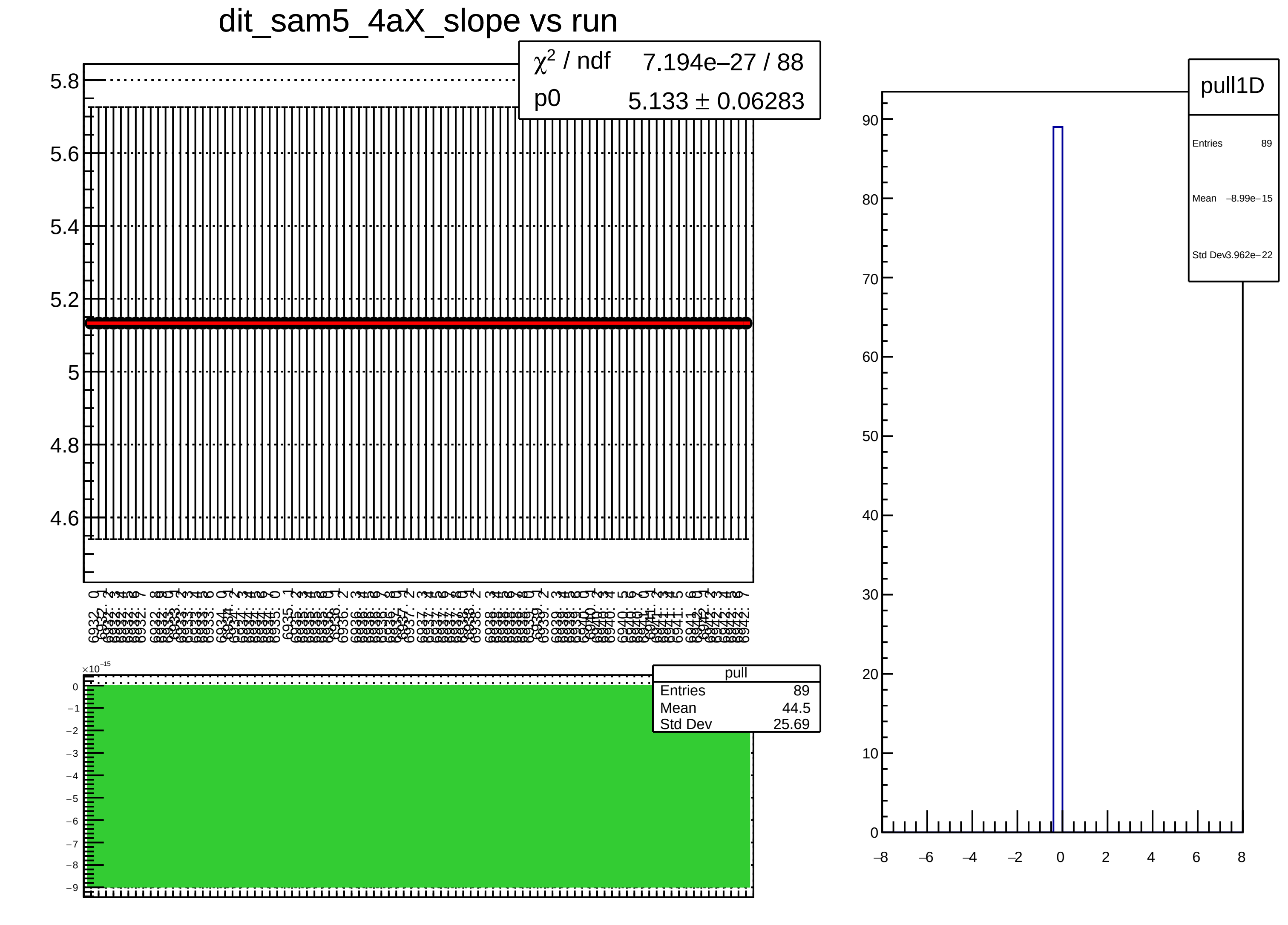


dit_sam4_11X12X_slope vs run
χ^2 / ndf 1.111e−28 / 88
p0 0.7189 ± 0.01053
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.118e−15
Std Dev 4.585e−23

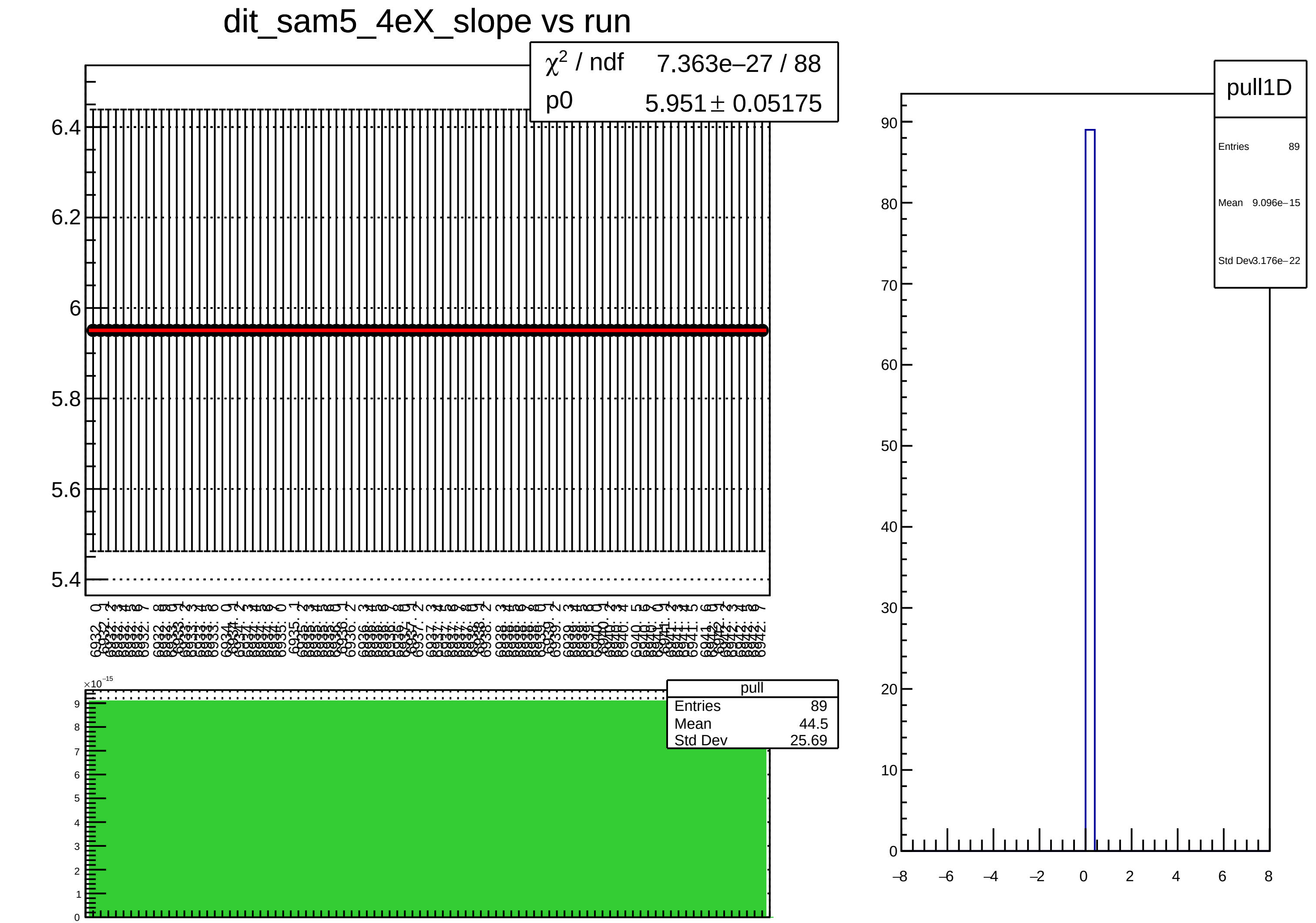

dit_sam4_4aY_slope vs run
χ^2 / ndf 1.278e−25 / 88
p0 −22.26 ± 0.05962
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −3.79e−14
Std Dev 0

dit_sam4_4eY_slope vs run

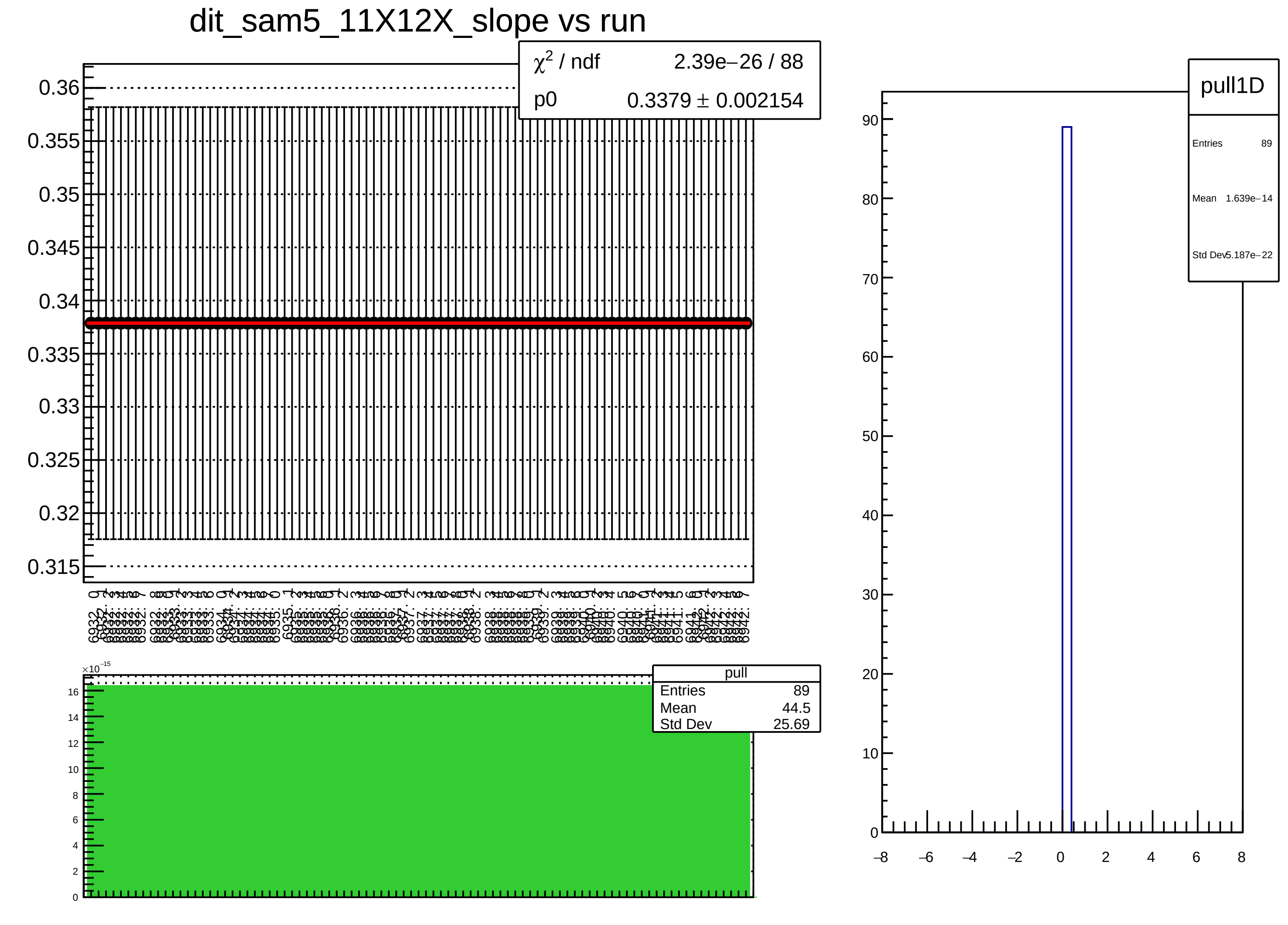




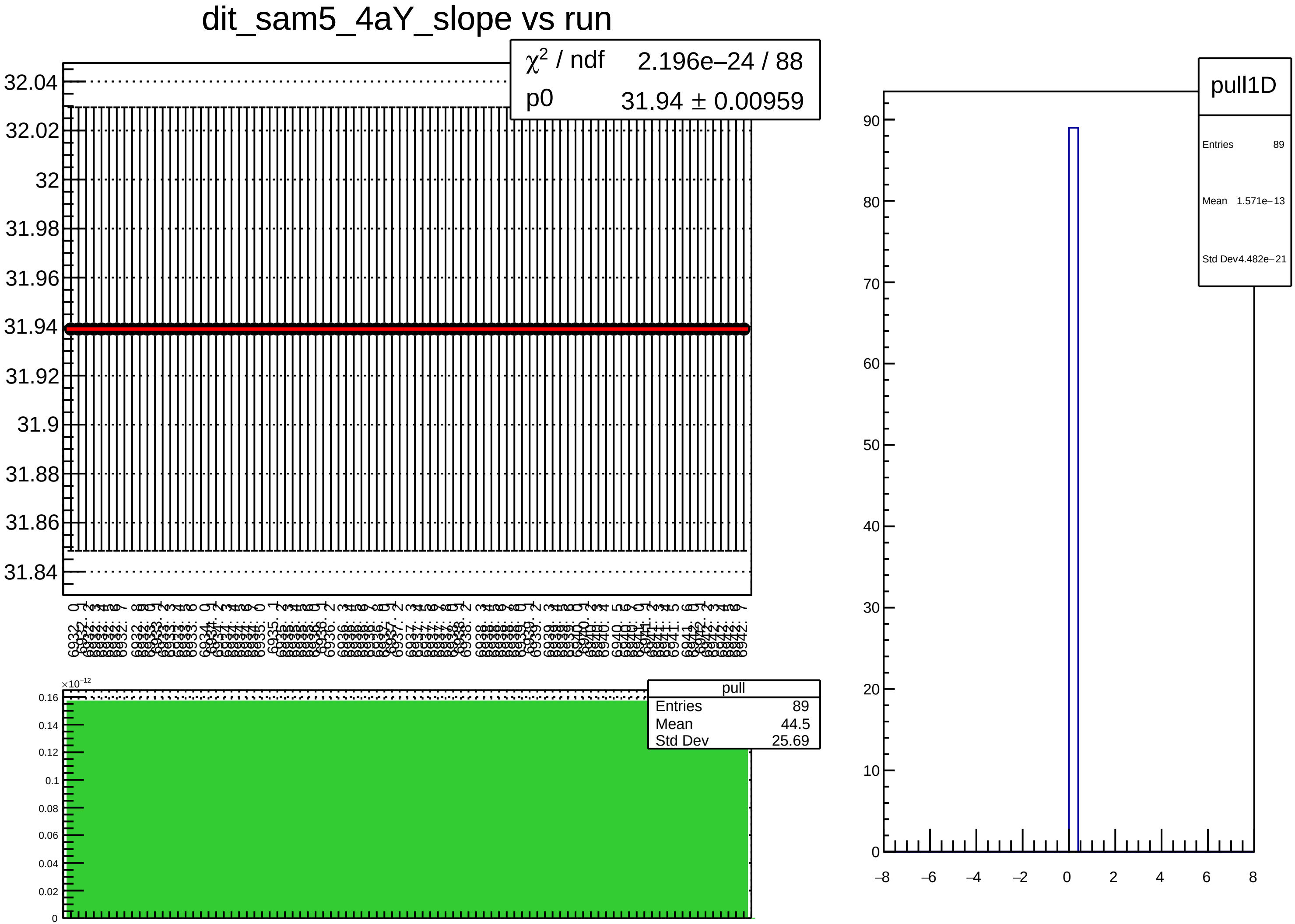
dit_sam5_4aX_slope vs run
χ2 / ndf 7.194e−27 / 88
p0 5.133 ± 0.06283
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −8.99e−15
Std Dev 3.962e−22



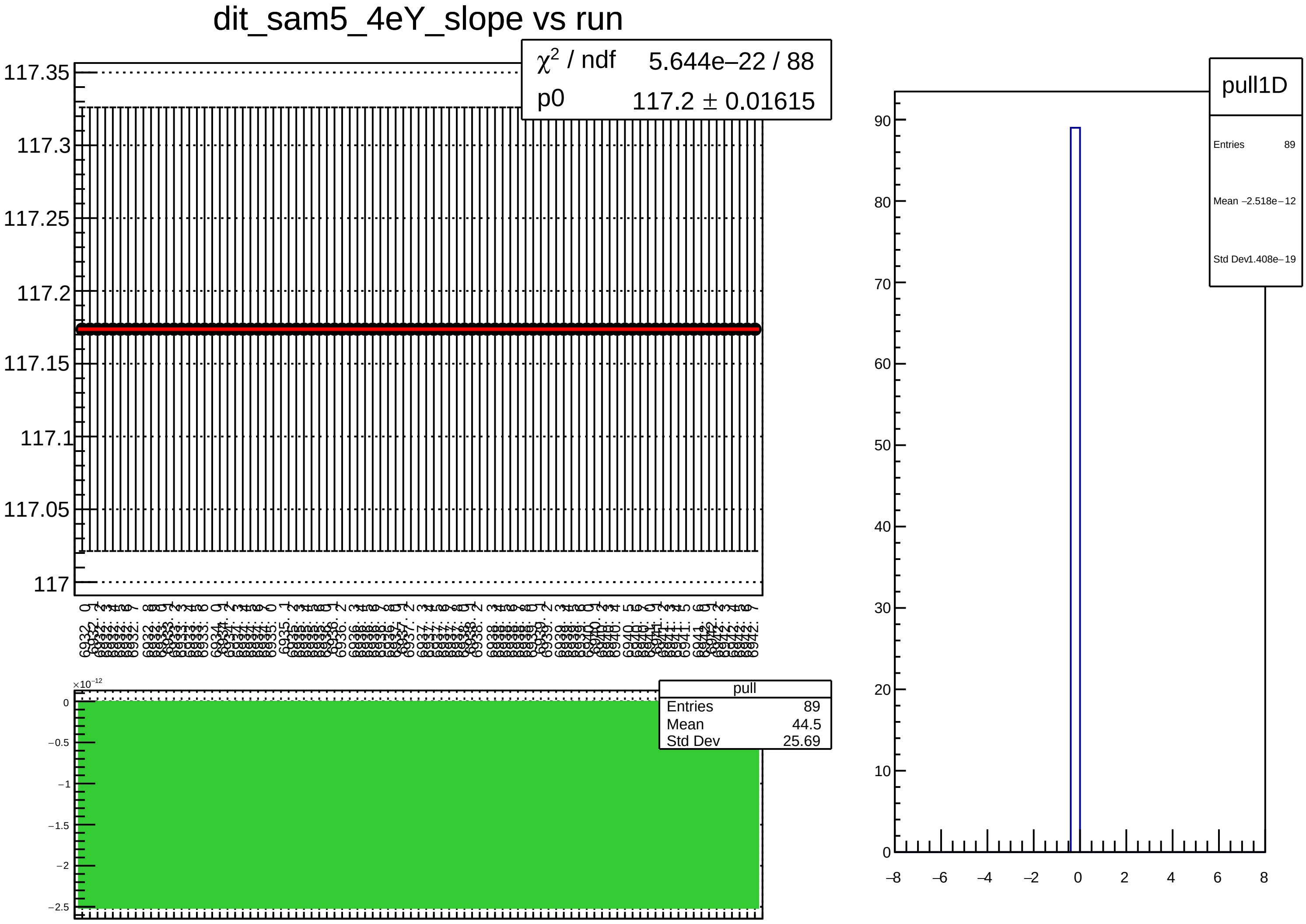
dit_sam5_4eX_slope vs run
χ^2 / ndf 7.363e−27 / 88
p0 5.951 ± 0.05175
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 9.096e−15
Std Dev 3.176e−22

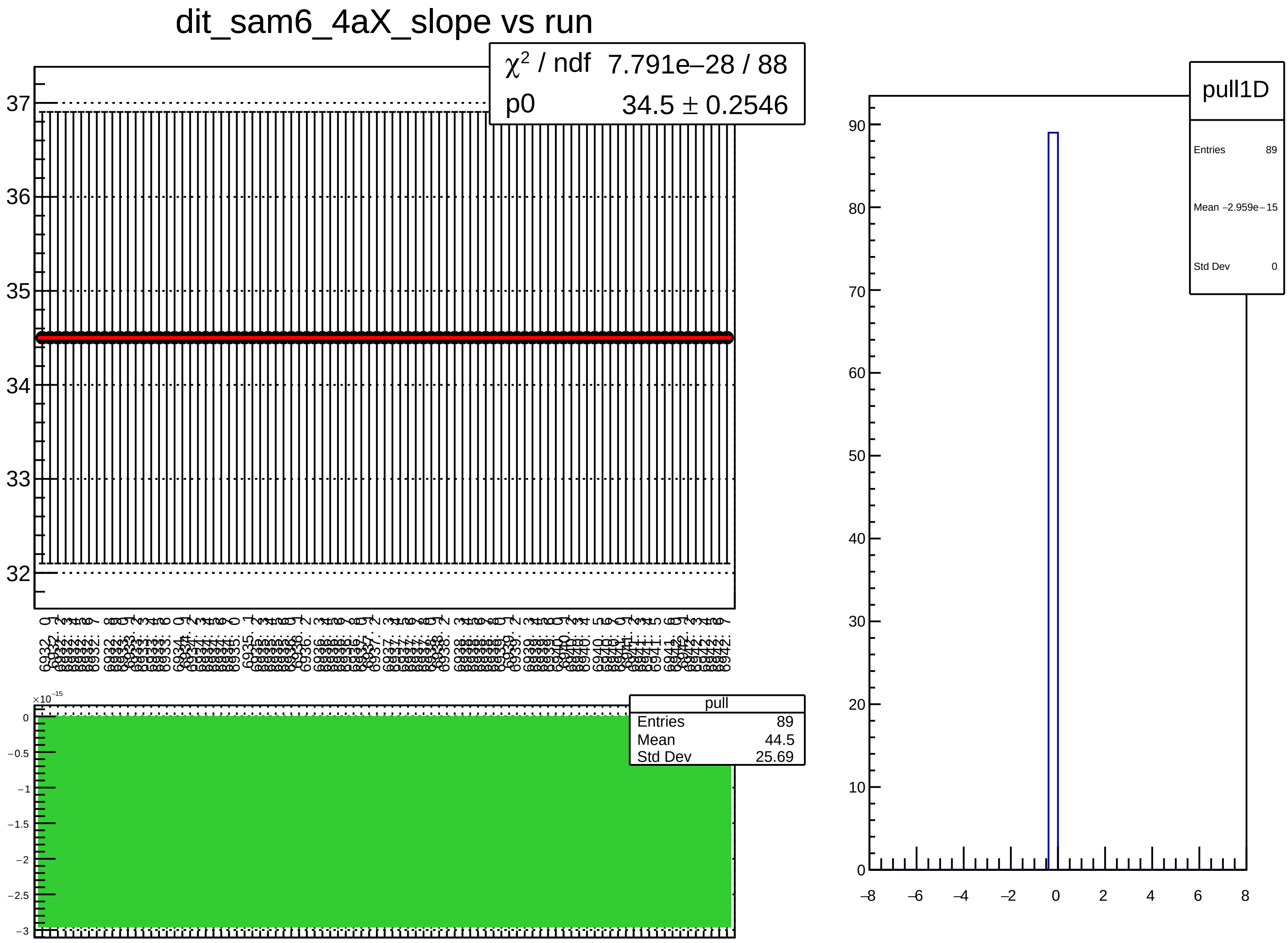


dit_sam5_11X12X_slope vs run
χ^2 / ndf 2.39e−26 / 88
p0 0.3379 ± 0.002154
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.639e−14
Std Dev 5.187e−22

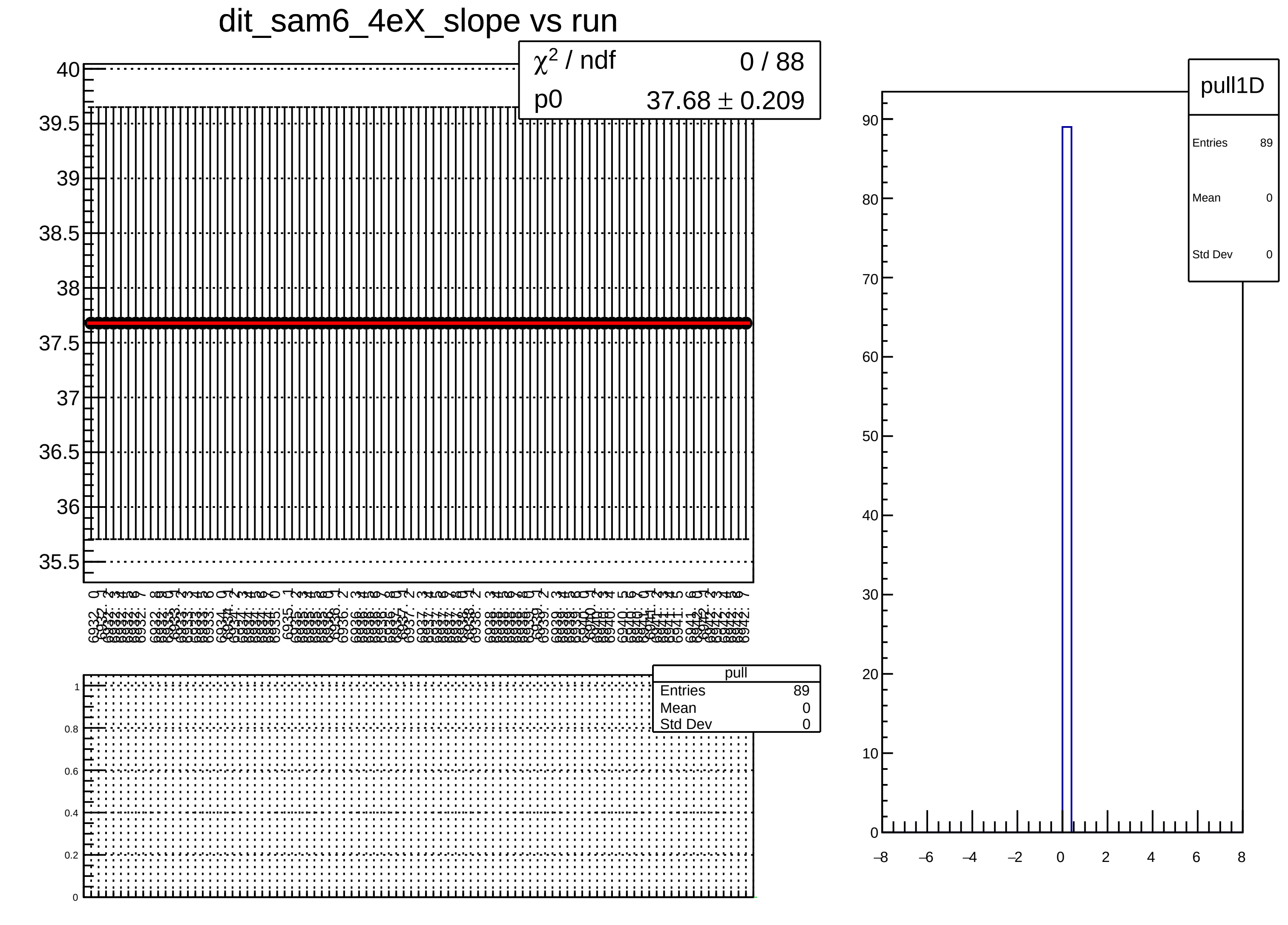


dit_sam5_4aY_slope vs run
χ2 / ndf 2.196e−24 / 88
p0 31.94 ± 0.00959
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.571e−13
Std Dev 4.482e−21


dit_sam5_4eY_slope vs run
χ^2 / ndf 5.644e−22 / 88
p0 117.2 ± 0.01615
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.518e−12
Std Dev1.408e−19

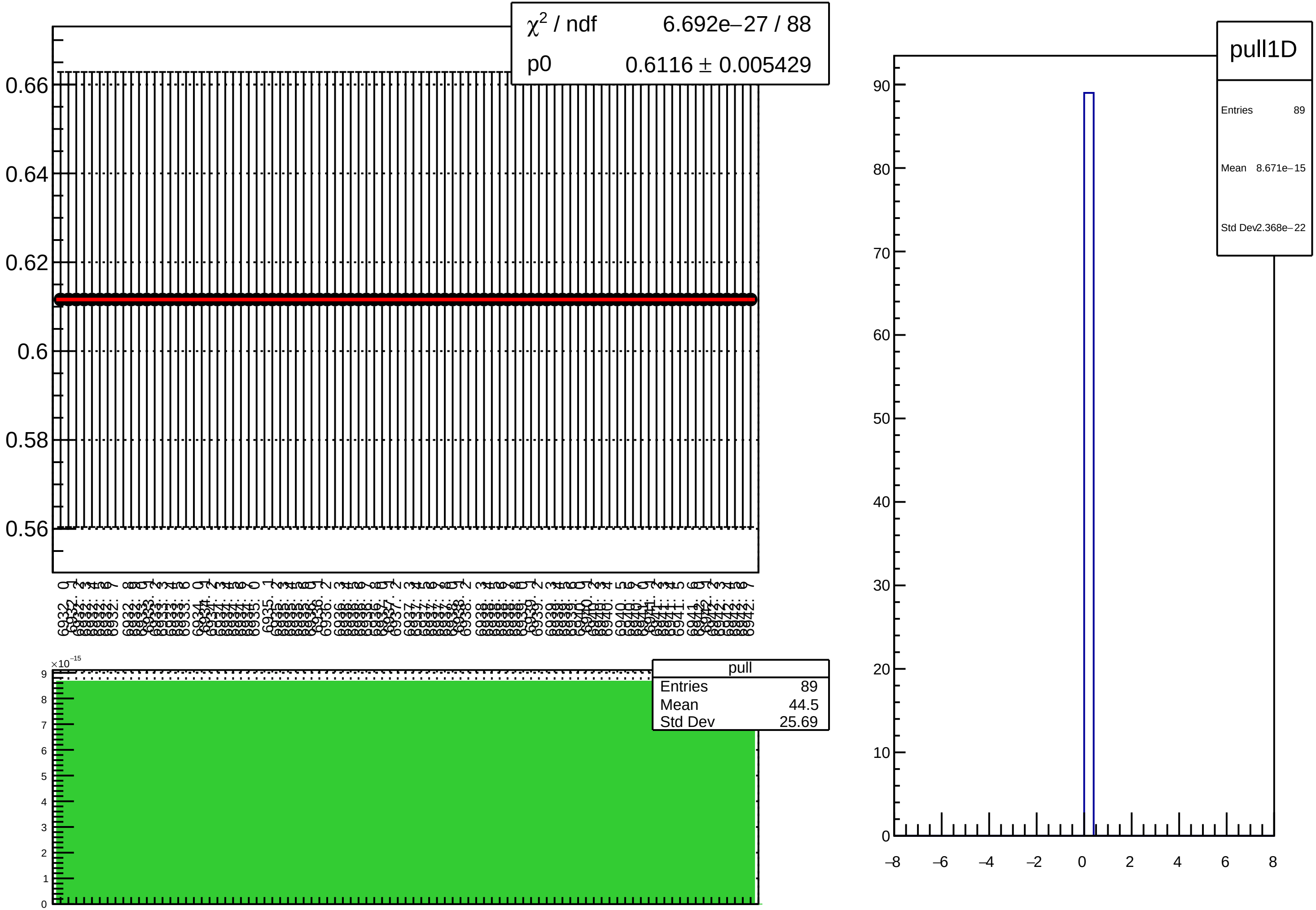


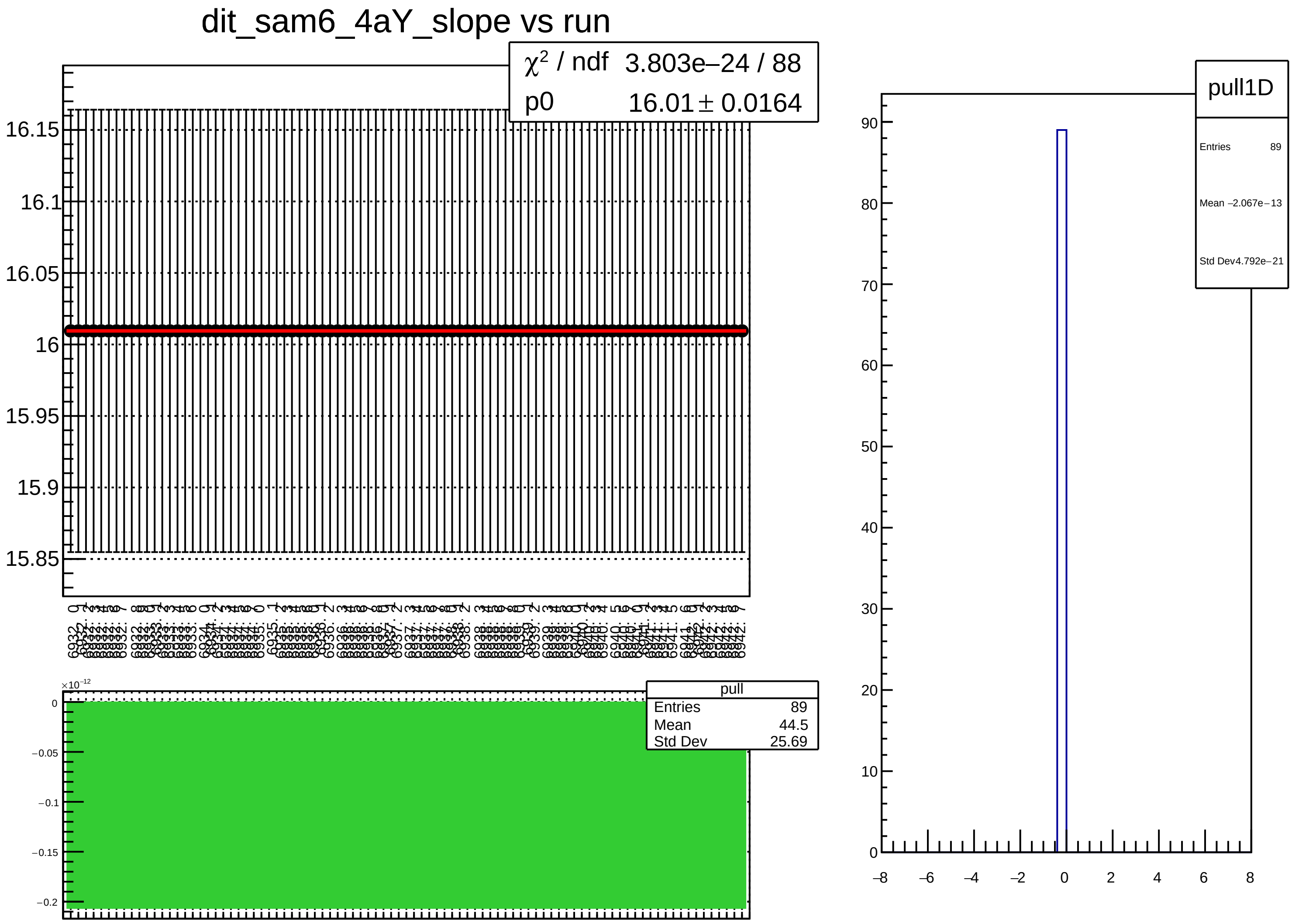
dit_sam6_4aX_slope vs run
χ2 / ndf 7.791e−28 / 88
p0 34.5 ± 0.2546
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.959e−15
Std Dev 0



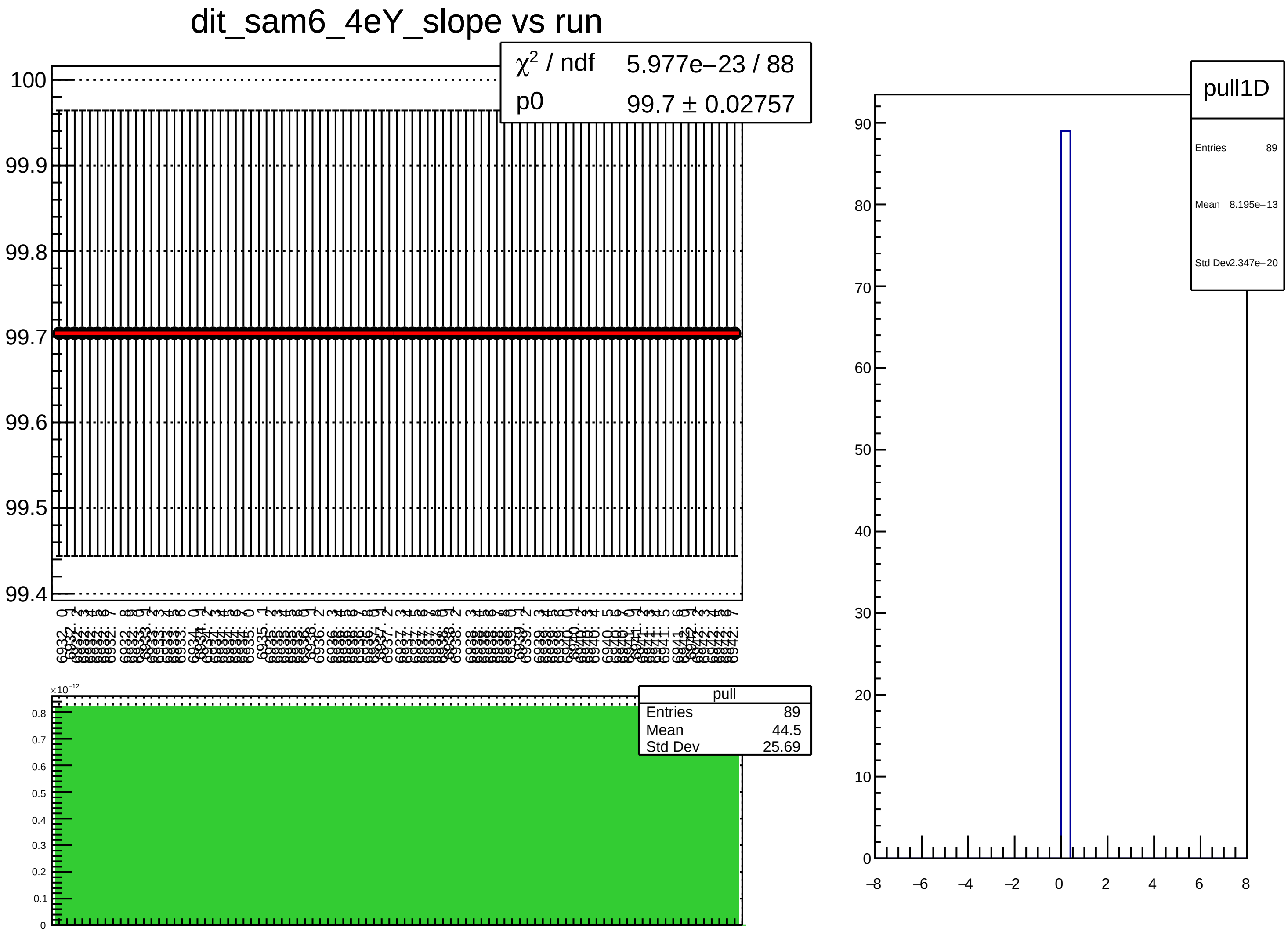
dit_sam6_4eX_slope vs run
χ^2 / ndf 0 / 88
p0 37.68 ± 0.209
pull
Entries 89
Mean 0
Std Dev 0
pull1D
Entries 89
Mean 0
Std Dev 0

dit_sam6_11X12X_slope vs run

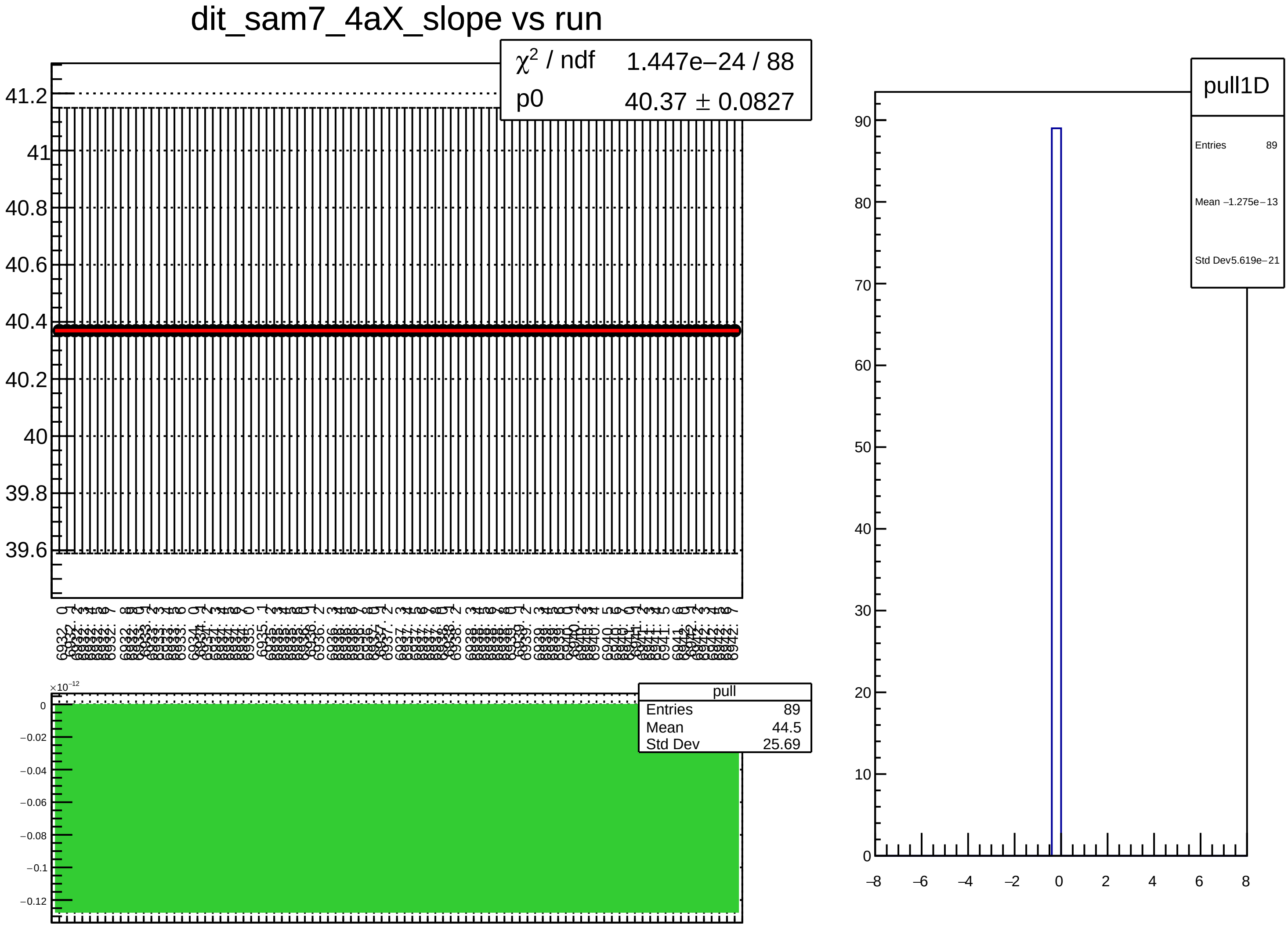




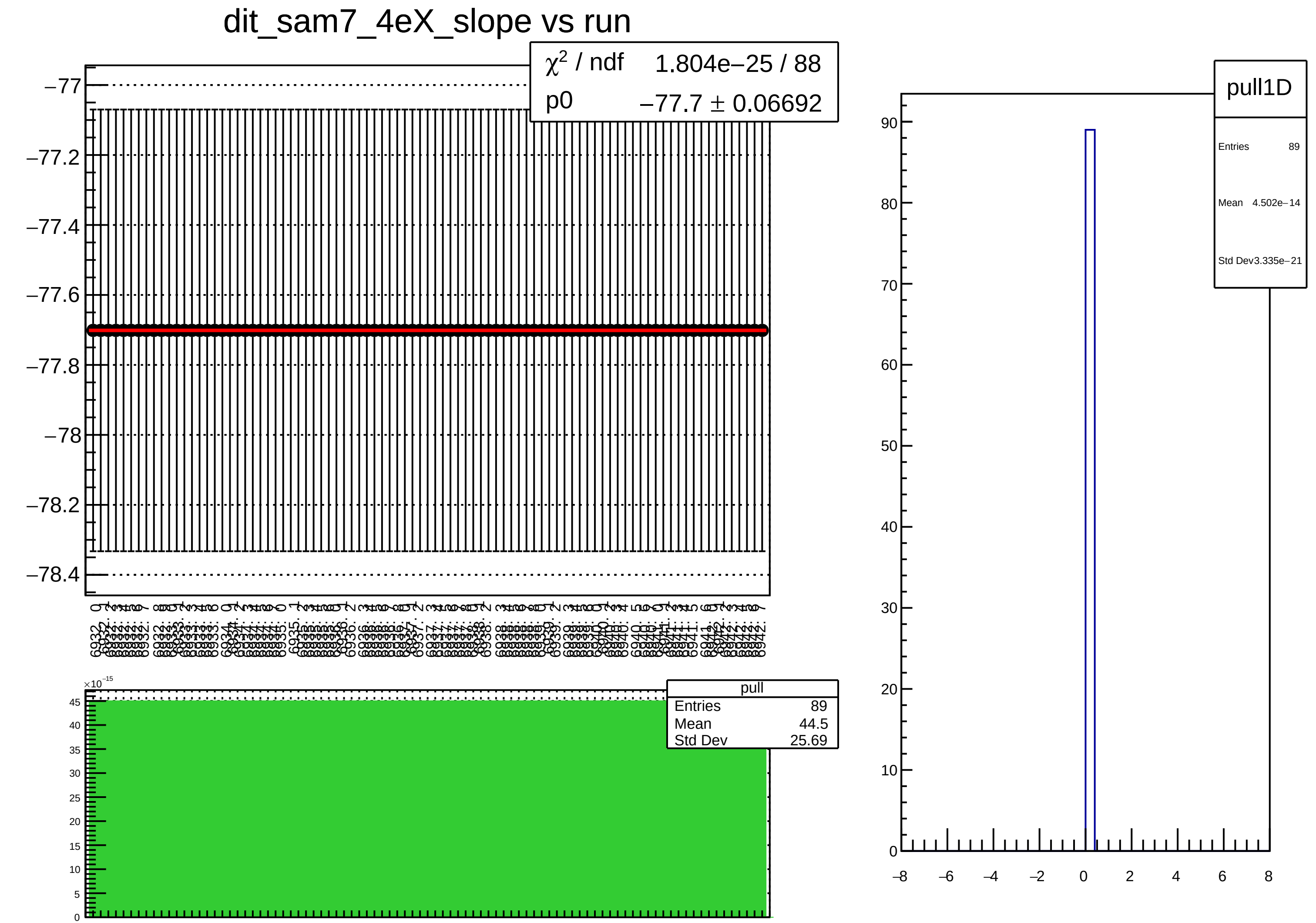
dit_sam6_4aY_slope vs run
χ2 / ndf 3.803e−24 / 88
p0 16.01 ± 0.0164
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −2.067e−13
Std Dev 4.792e−21

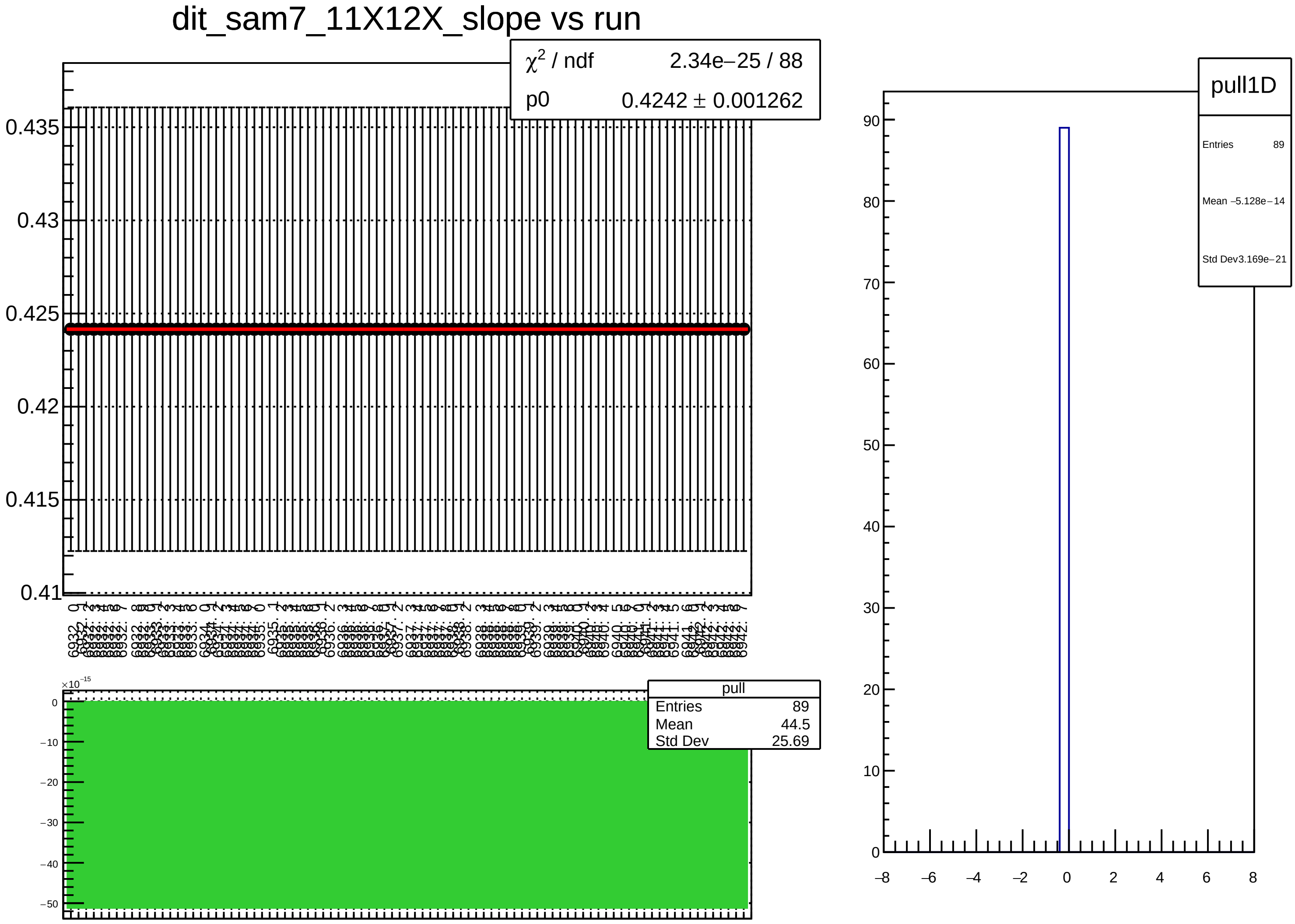


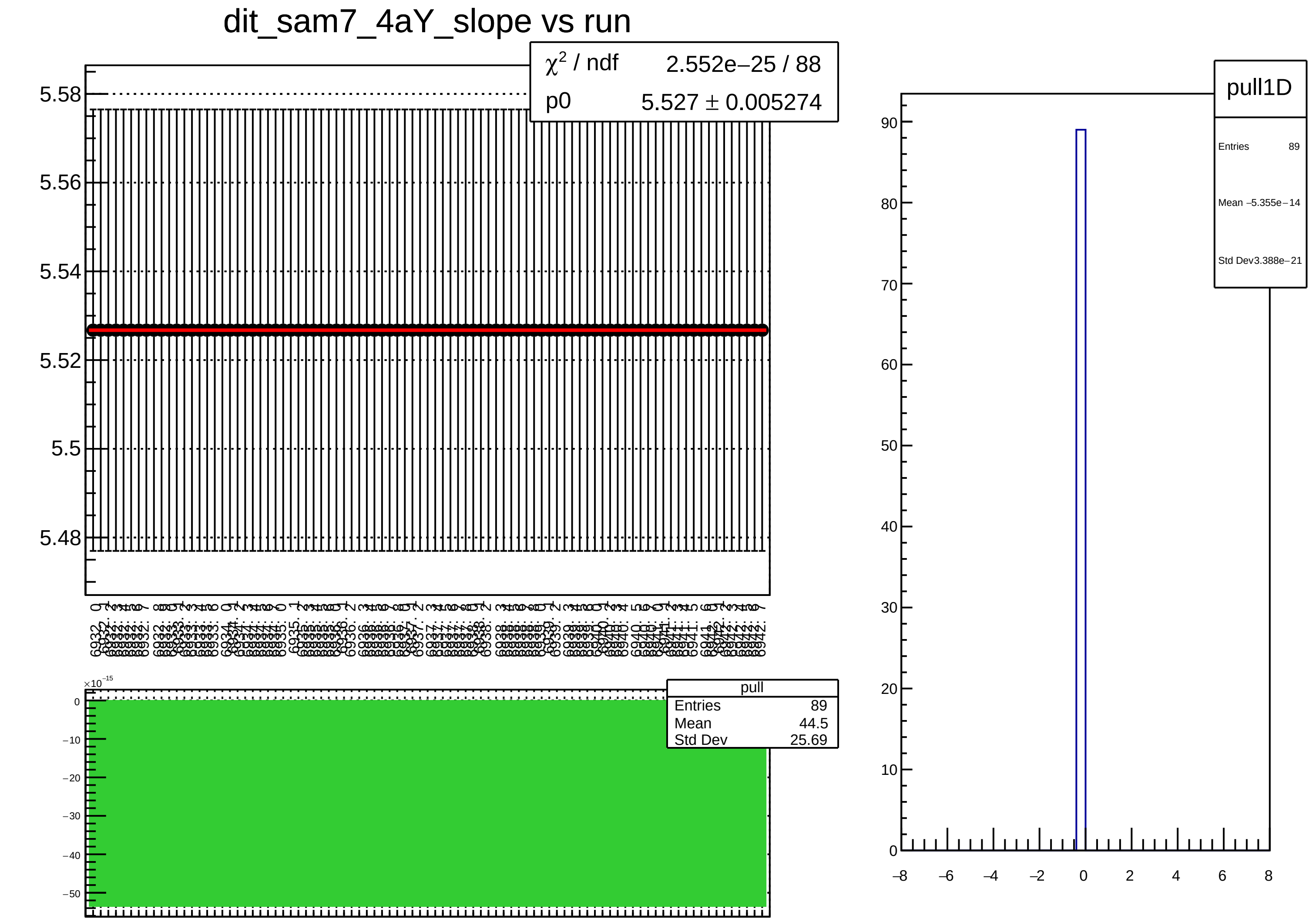
dit_sam6_4eY_slope vs run
χ2 / ndf 5.977e−23 / 88
p0 99.7 ± 0.02757
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 8.195e−13
Std Dev2.347e−20



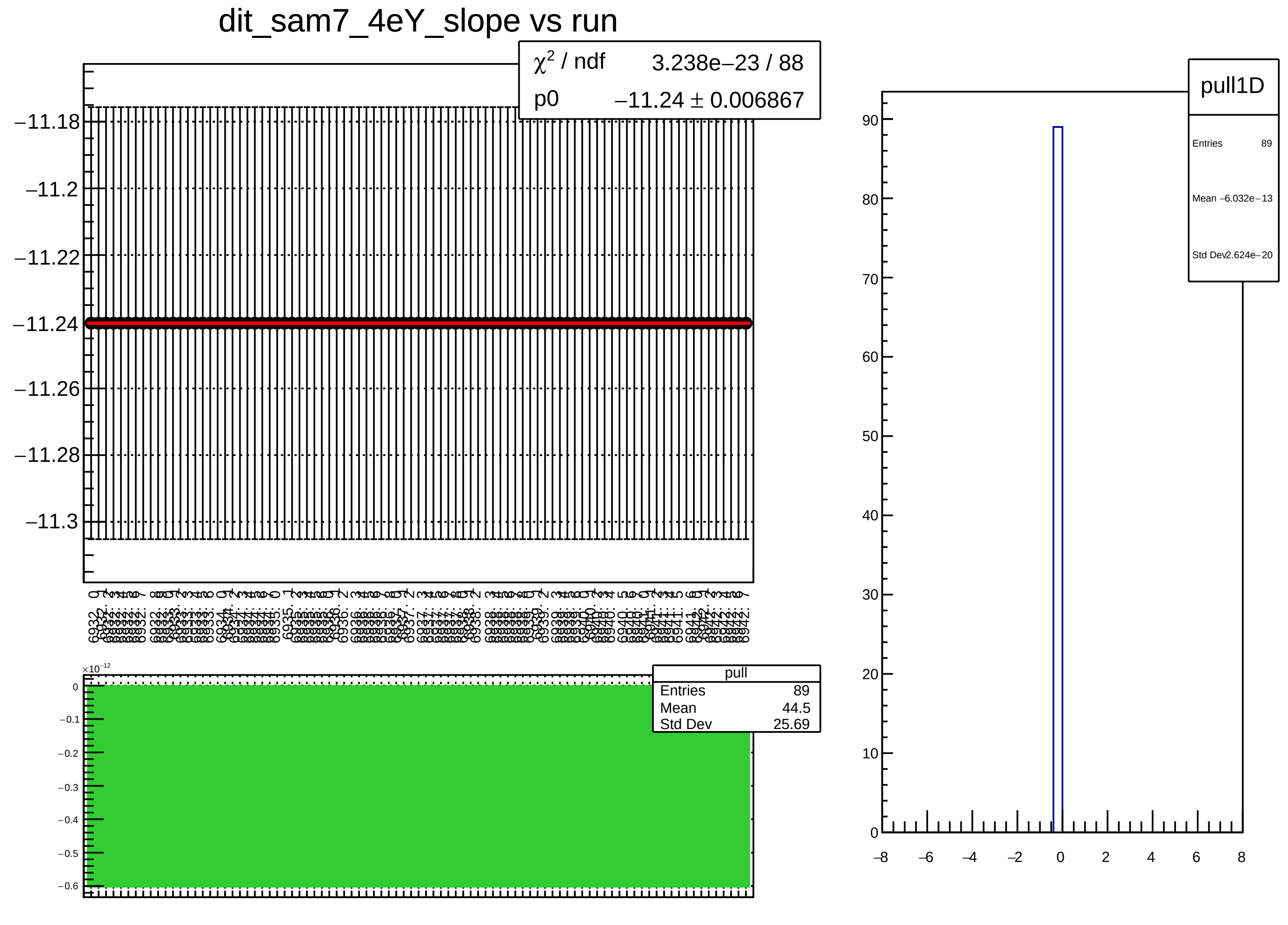
dit_sam7_4aX_slope vs run
χ2 / ndf 1.447e−24 / 88
p0 40.37 ± 0.0827
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.275e−13
Std Dev 5.619e−21

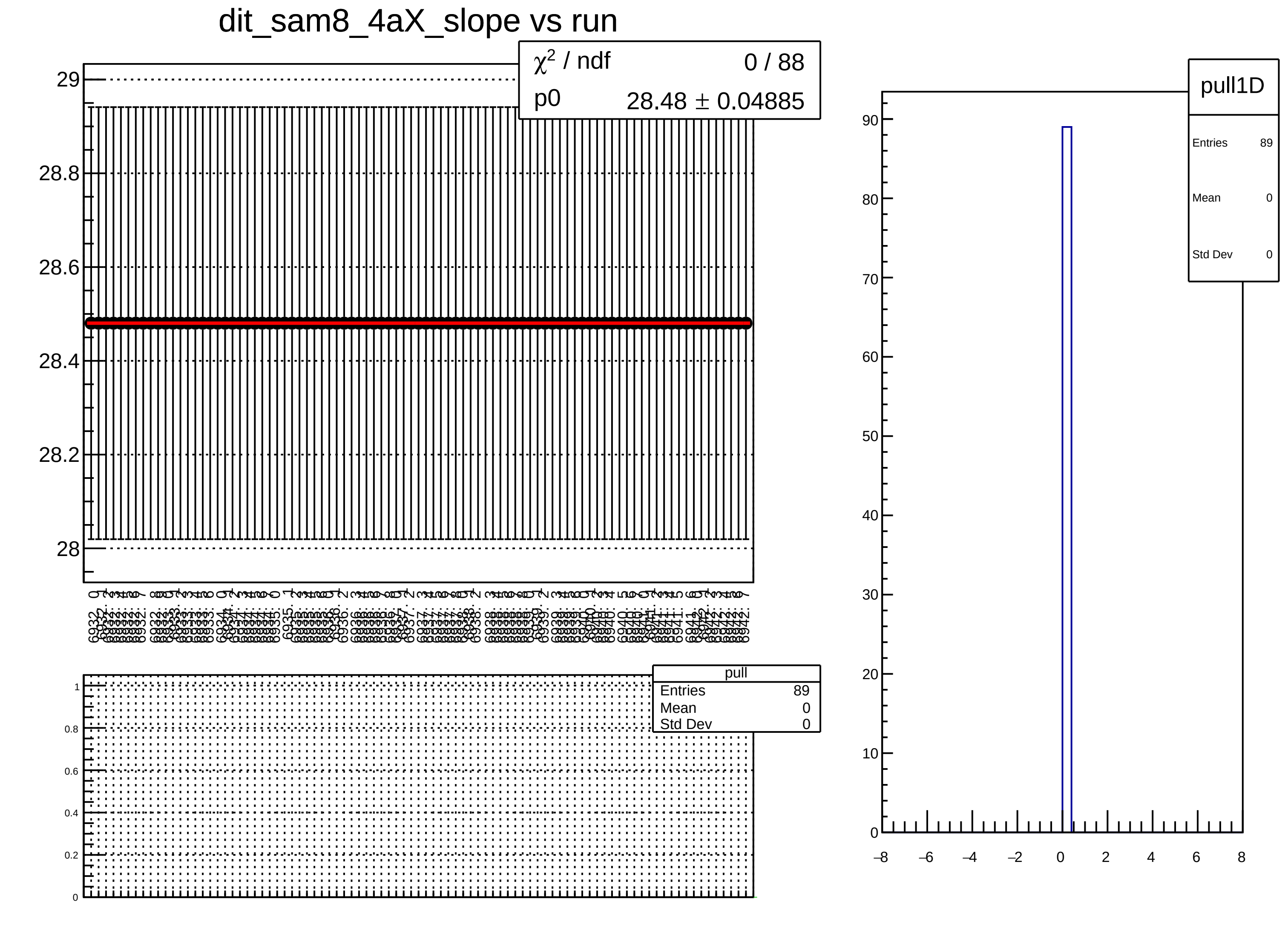

dit_sam7_4eX_slope vs run
χ2 / ndf 1.804e−25 / 88
p0 −77.7 ± 0.06692
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.502e−14
Std Dev 3.335e−21


dit_sam7_11X12X_slope vs run
χ^2 / ndf 2.34e−25 / 88
p0 0.4242 ± 0.001262
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −5.128e−14
Std Dev 3.169e−21

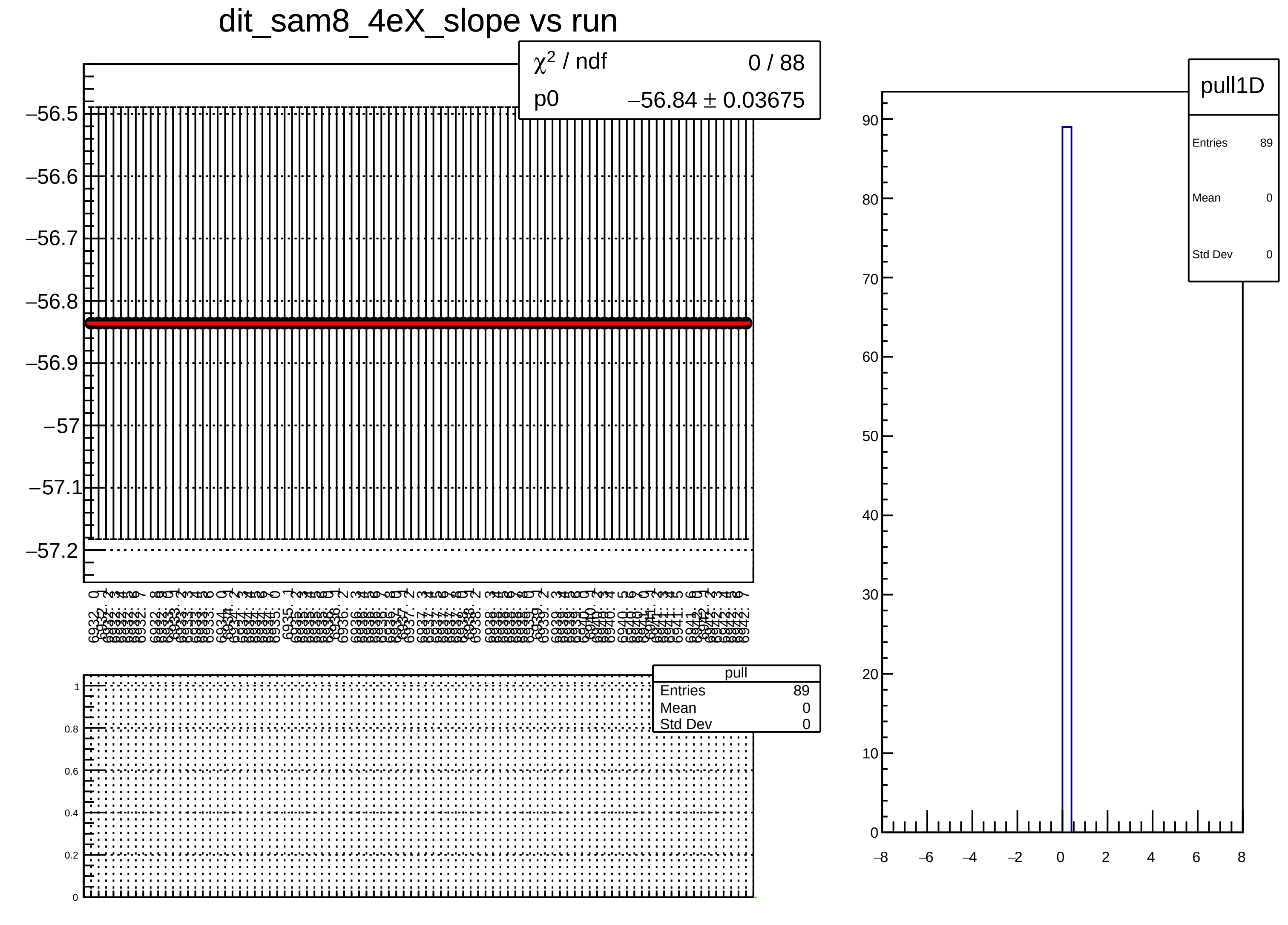


dit_sam7_4aY_slope vs run
χ^2 / ndf 2.552e−25 / 88
p0 5.527 ± 0.005274
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −5.355e−14
Std Dev 3.388e−21

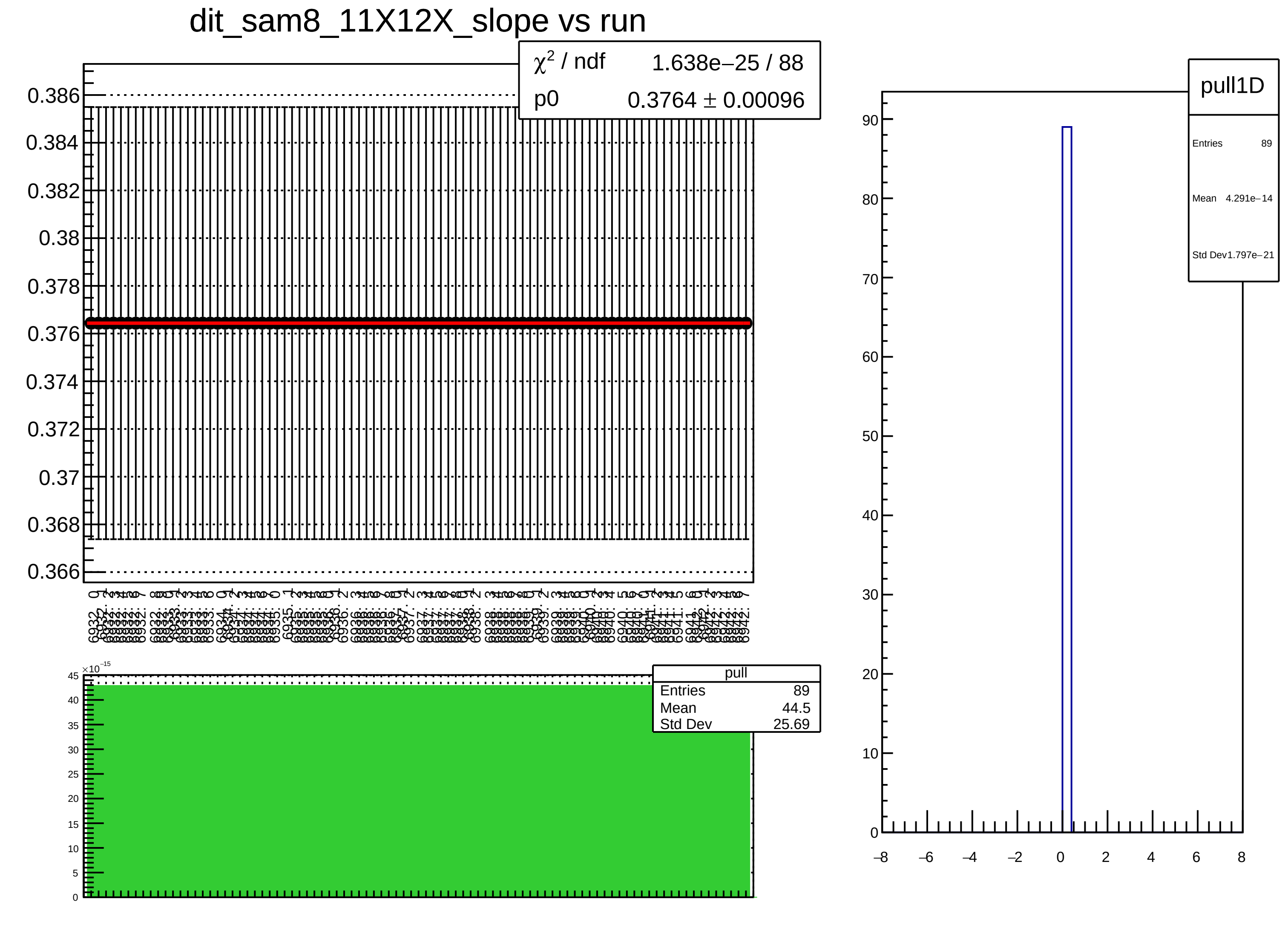

dit_sam7_4eY_slope vs run
χ2 / ndf 3.238e−23 / 88
p0 −11.24 ± 0.006867
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −6.032e−13
Std Dev 2.624e−20

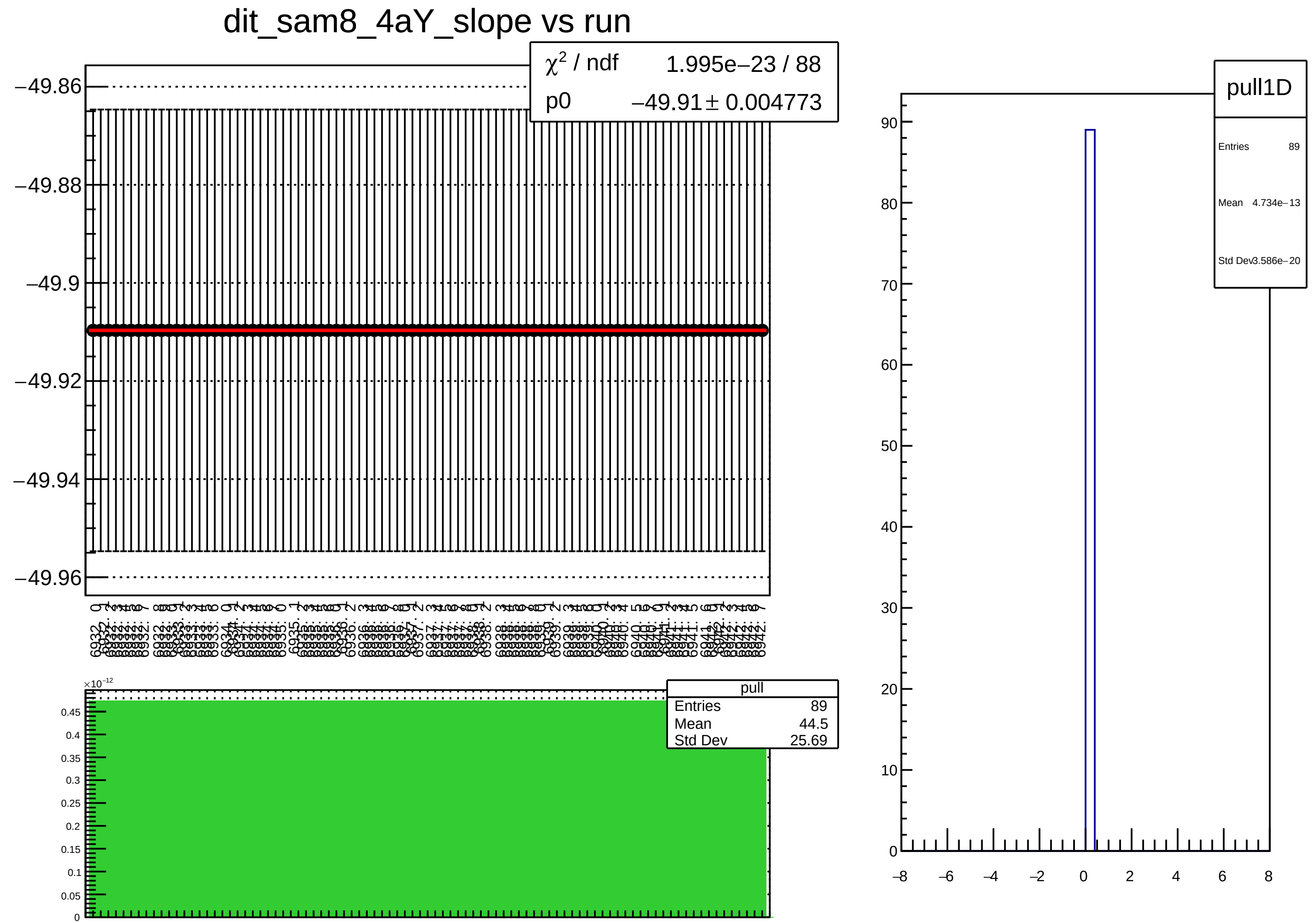


dit_sam8_4aX_slope vs run
χ2 / ndf 0 / 88
p0 28.48 ± 0.04885
pull
Entries 89
Mean 0
Std Dev 0
pull1D
Entries 89
Mean 0
Std Dev 0



dit_sam8_4eX_slope vs run
χ^2 / ndf 0 / 88
p0 −56.84 ± 0.03675
pull
Entries 89
Mean 0
Std Dev 0
pull1D
Entries 89
Mean 0
Std Dev 0


dit_sam8_11X12X_slope vs run
χ2 / ndf 1.638e−25 / 88
p0 0.3764 ± 0.00096
0.386
0.384
0.382
0.38
0.378
0.376
0.374
0.372
0.37
0.368
0.366
×10−15
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.291e−14
Std Dev 1.797e−21



dit_sam8_4aY_slope vs run
χ^2 / ndf 1.995e−23 / 88
p0 −49.91 ± 0.004773
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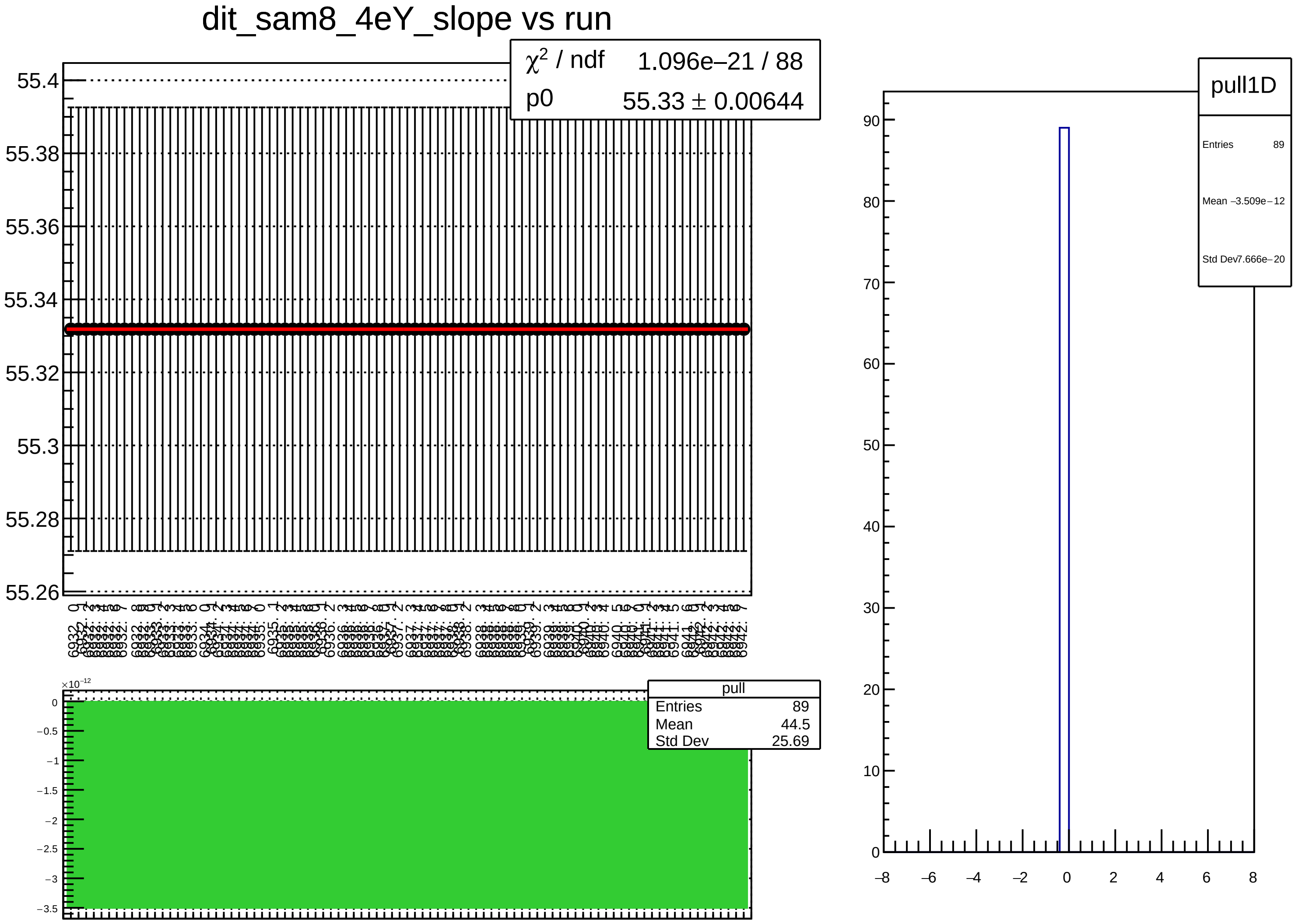
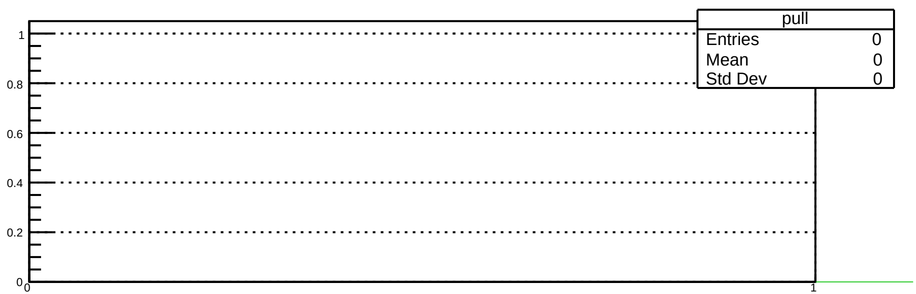
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.734e−13
Std Dev 3.586e−20


dit_sam8_4eY_slope vs run
χ^2 / ndf 1.096e−21 / 88
p0 55.33 ± 0.00644
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −3.509e−12
Std Dev 7.666e−20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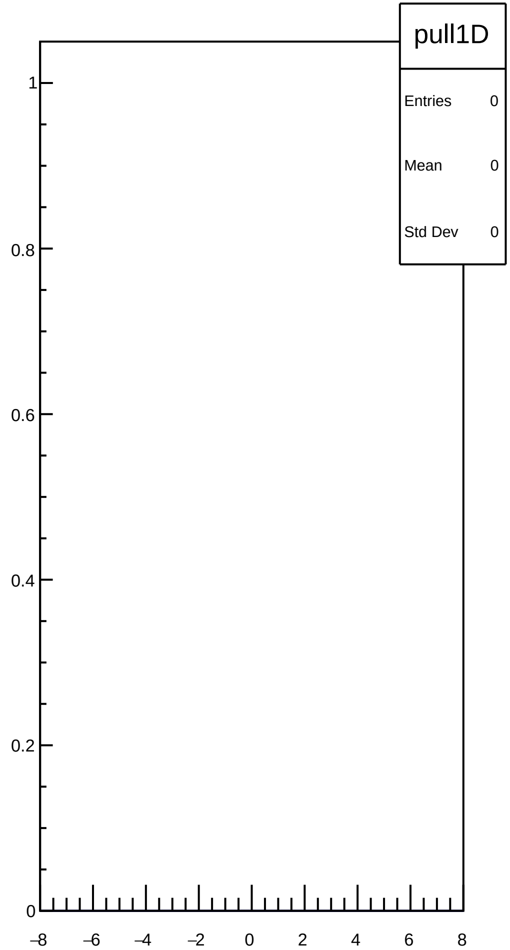
Std Dev 0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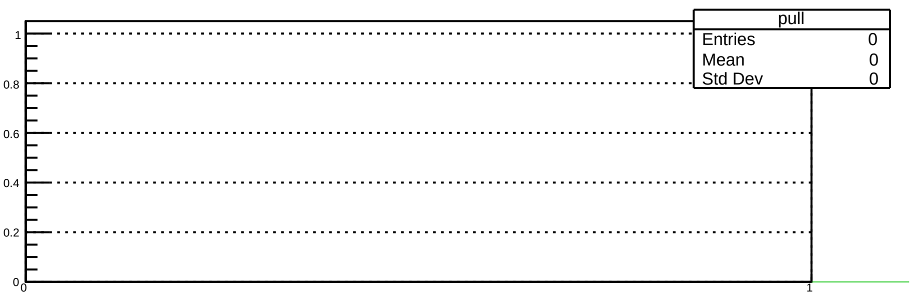
Std Dev 0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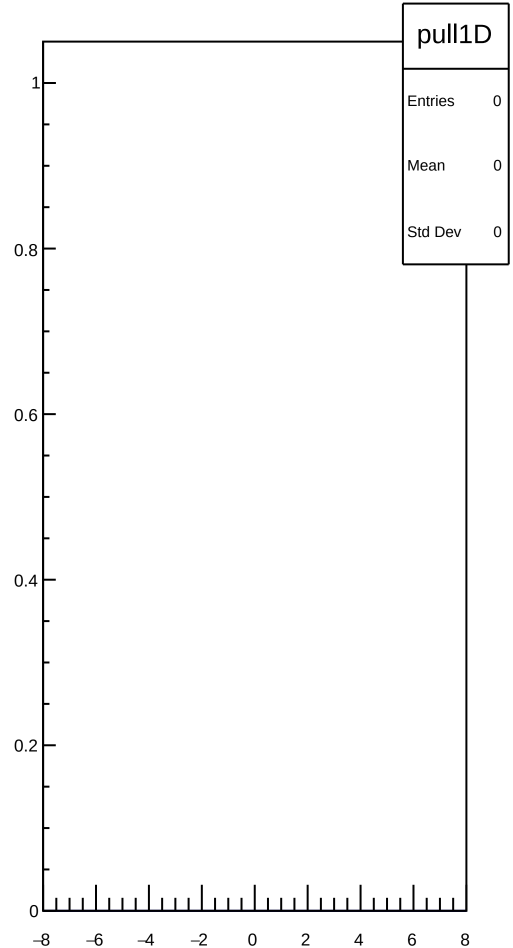
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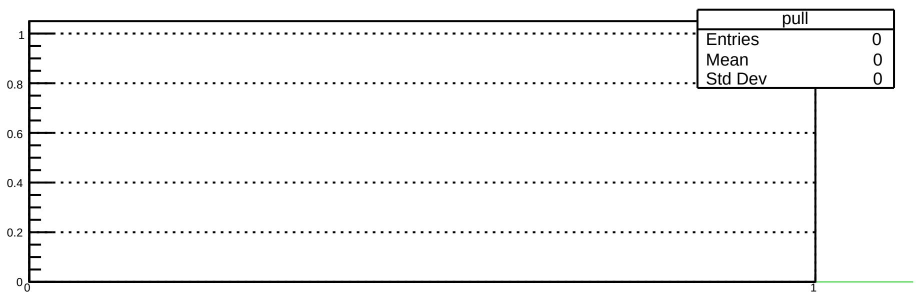
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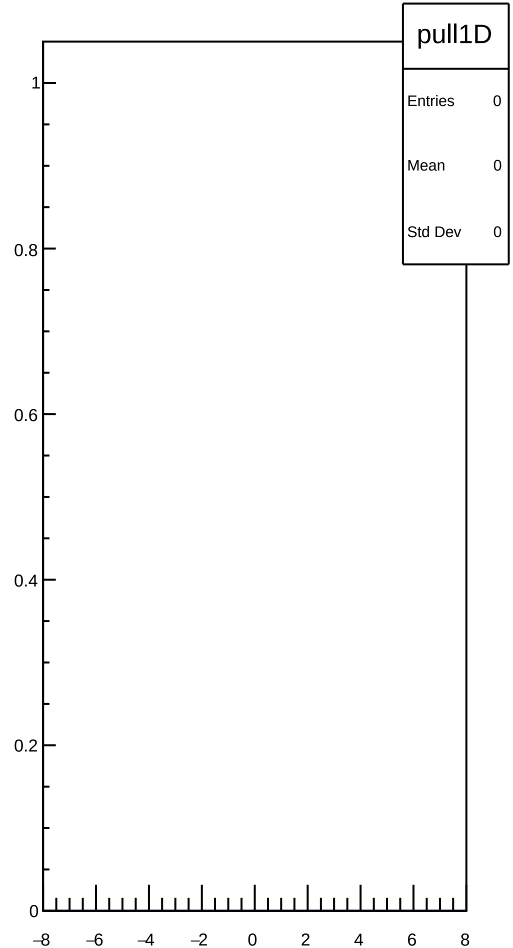
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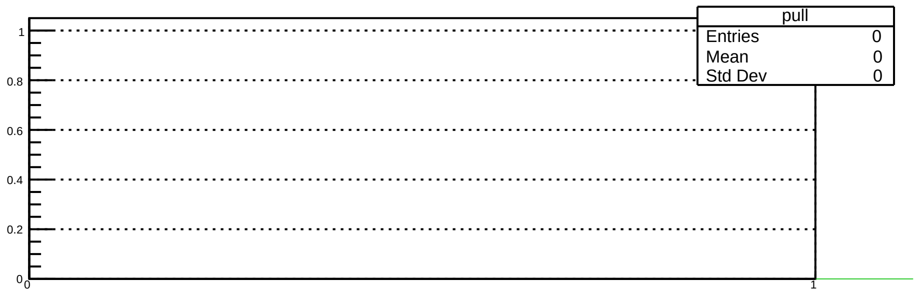

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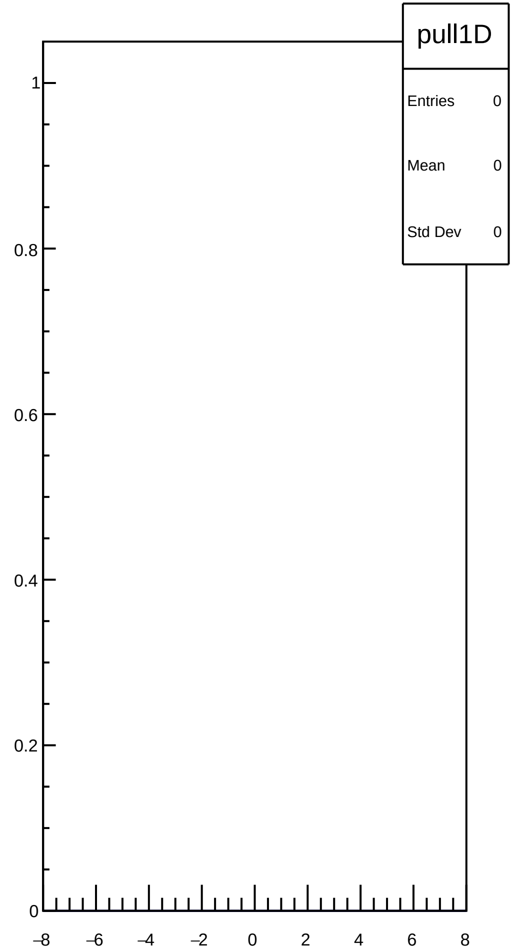

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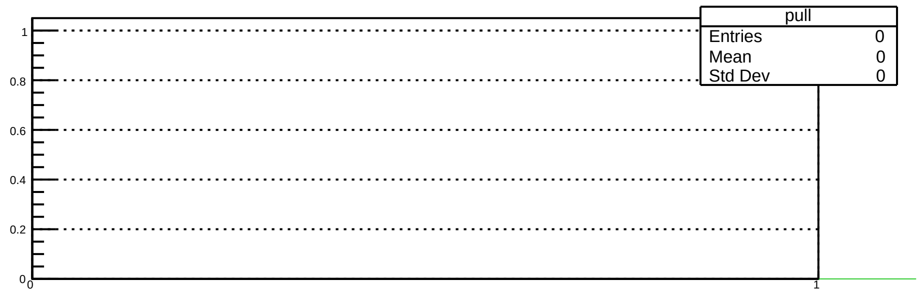
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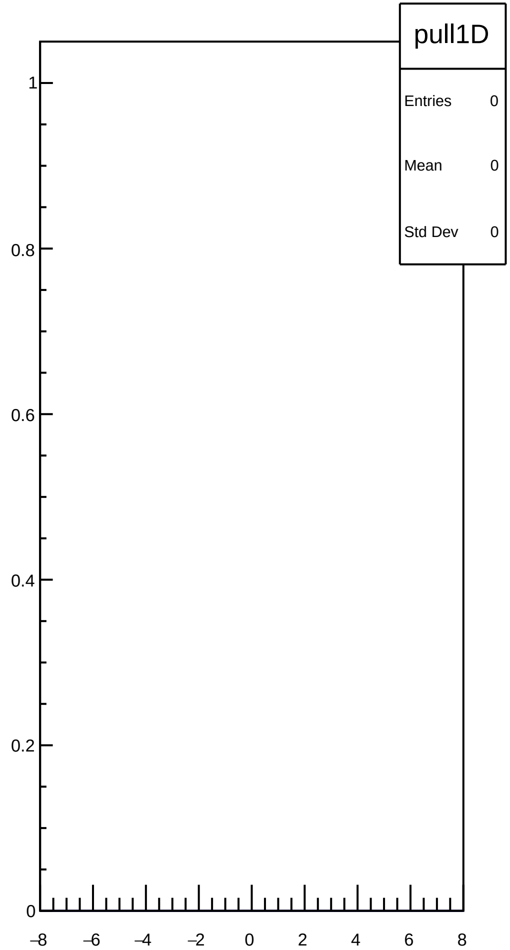
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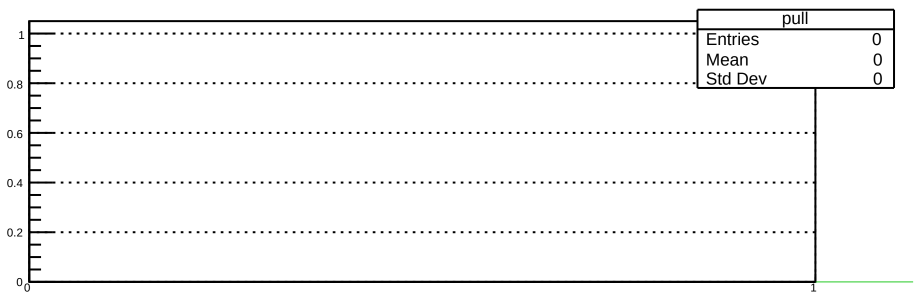
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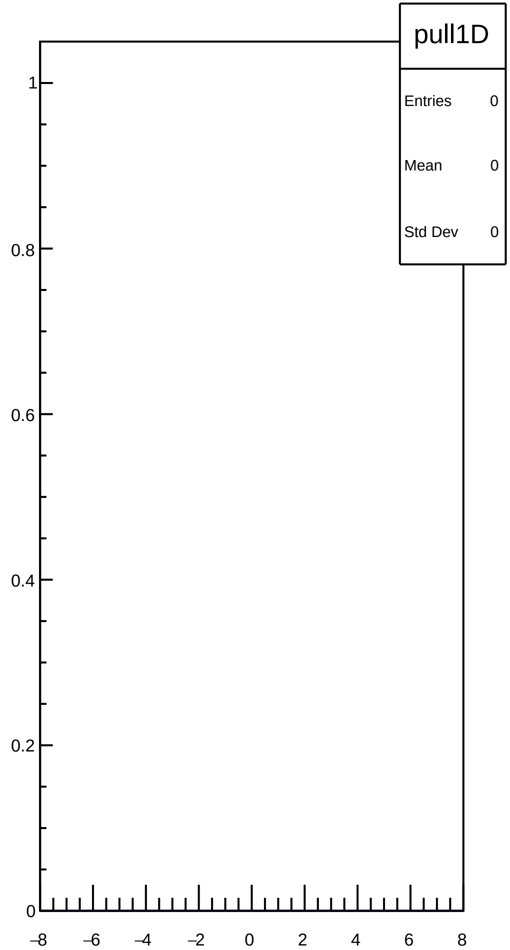
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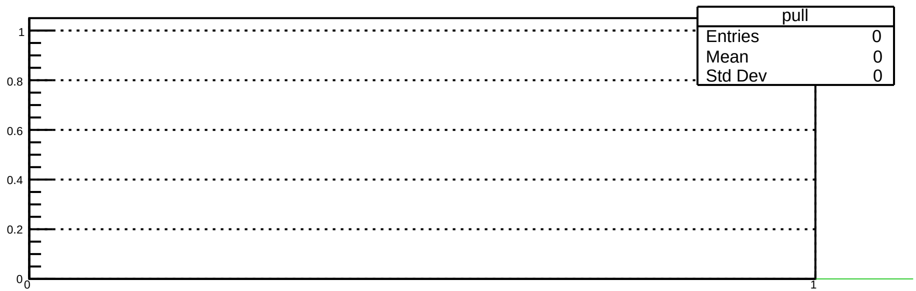
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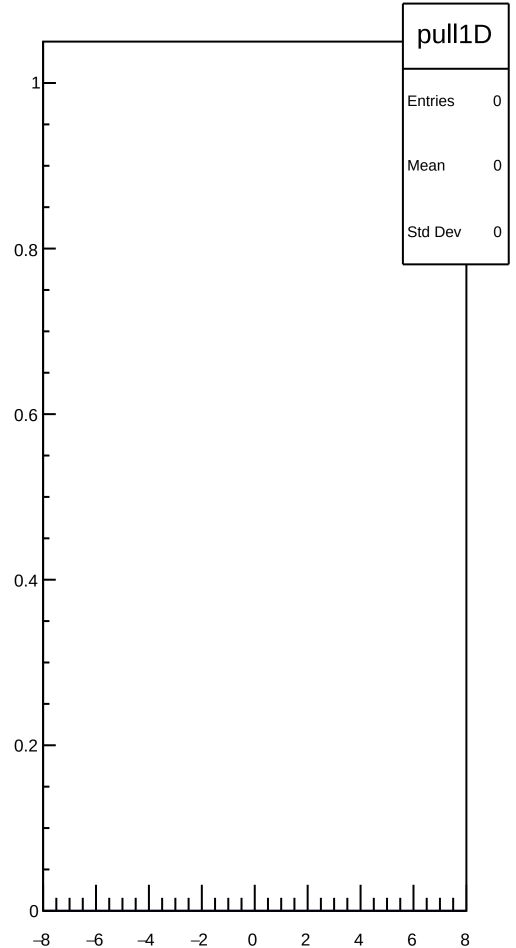
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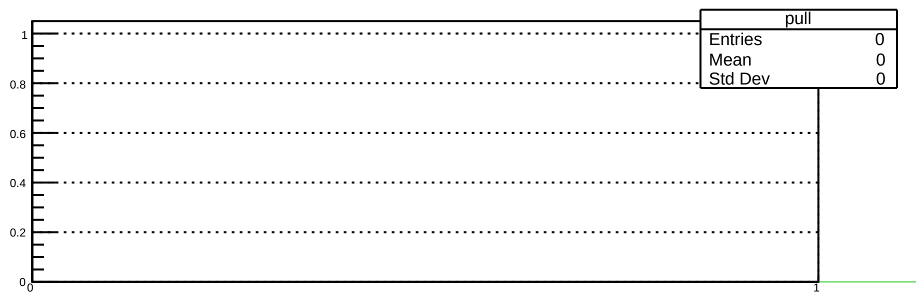
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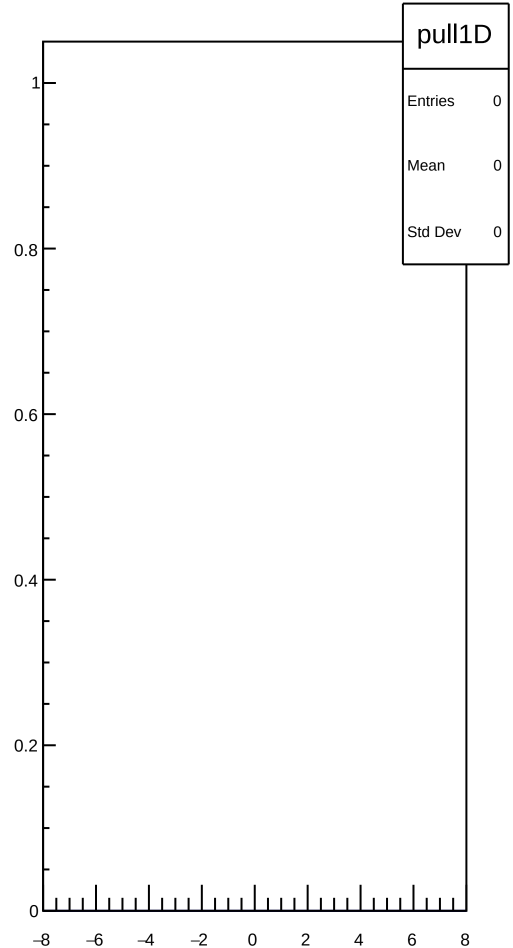
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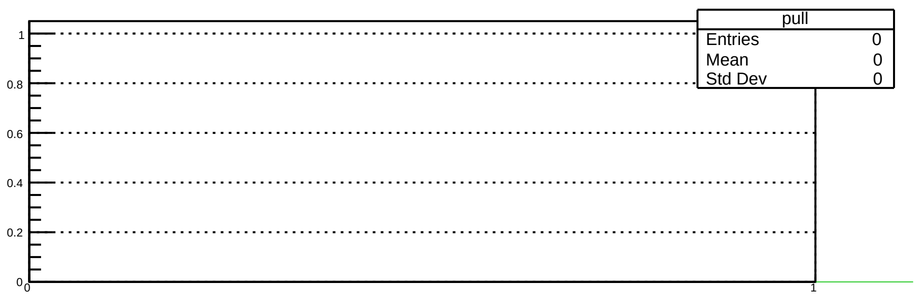
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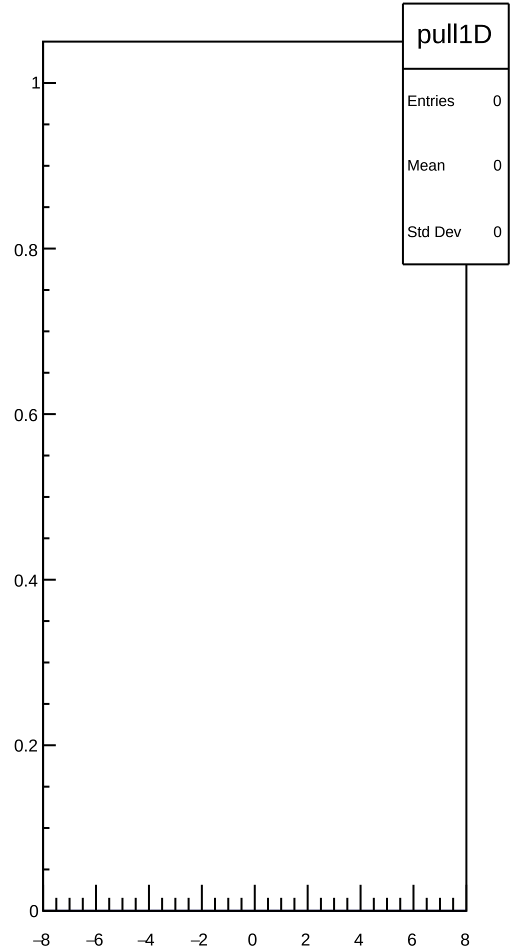
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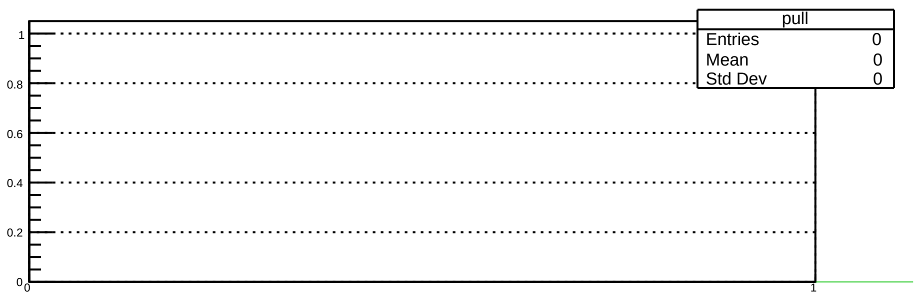
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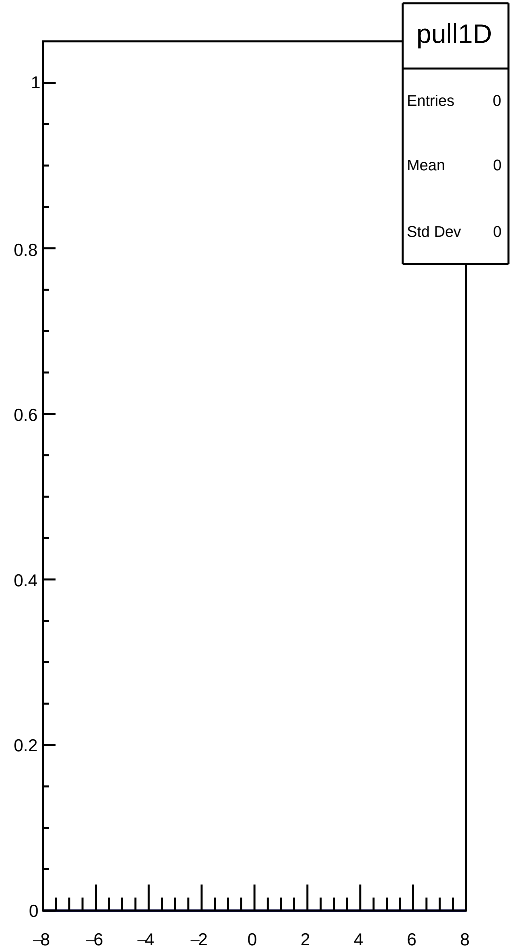
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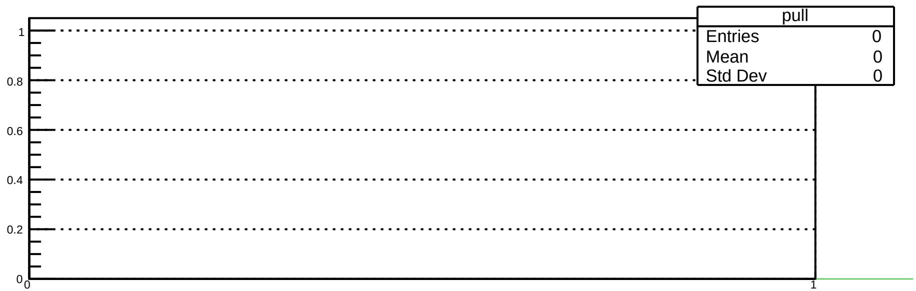
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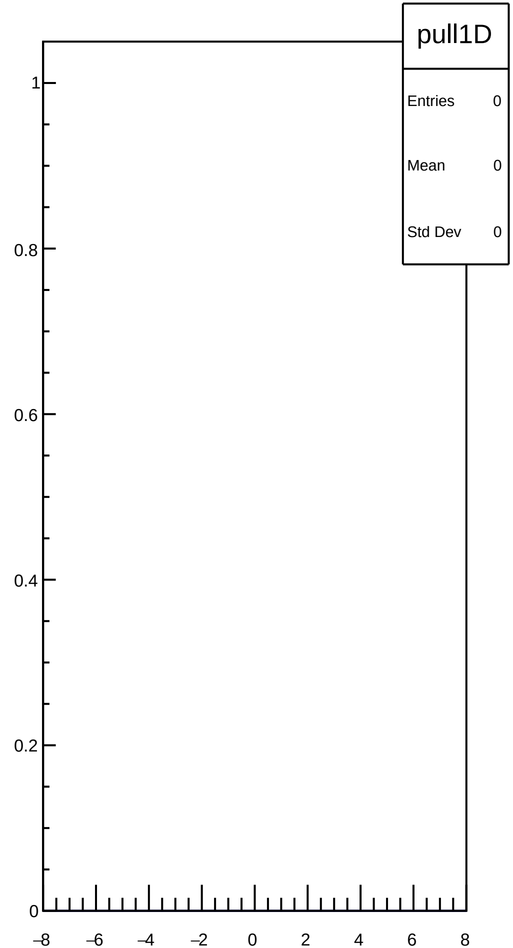
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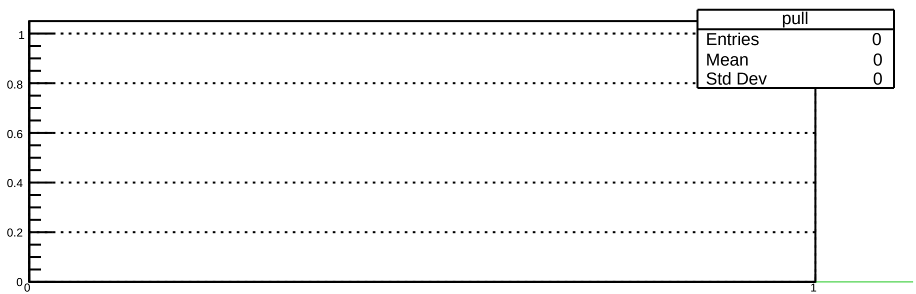
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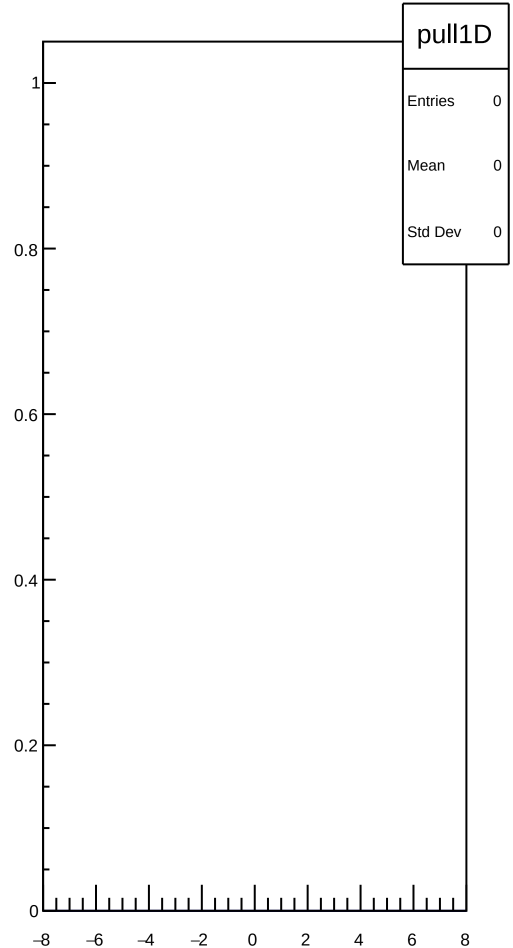
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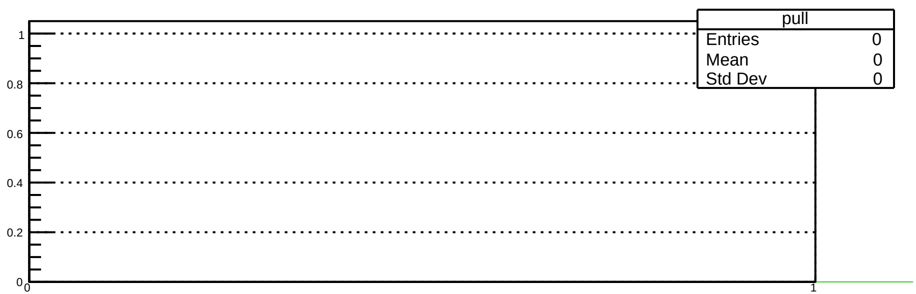
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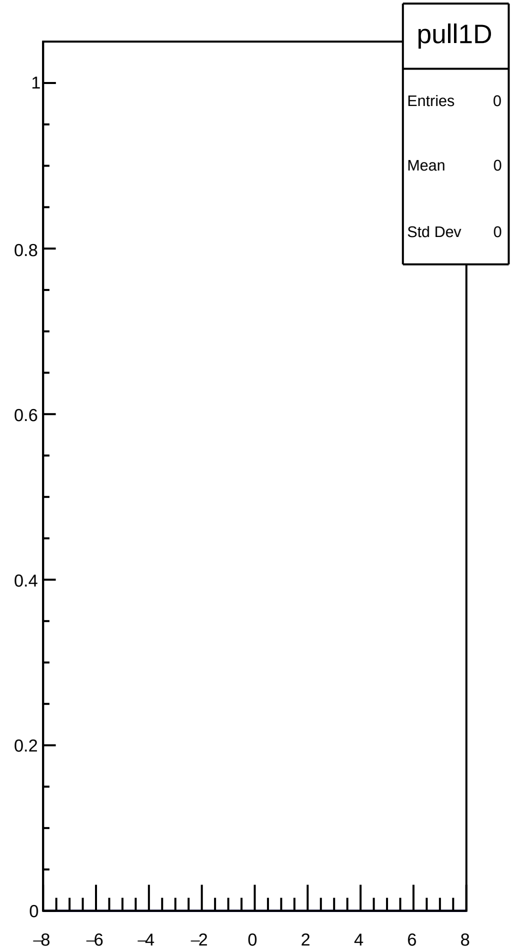
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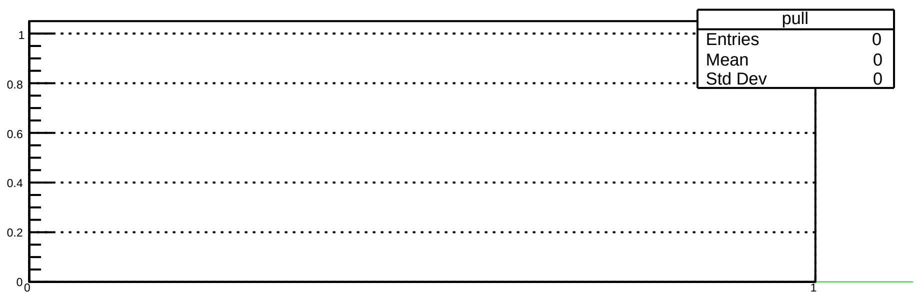
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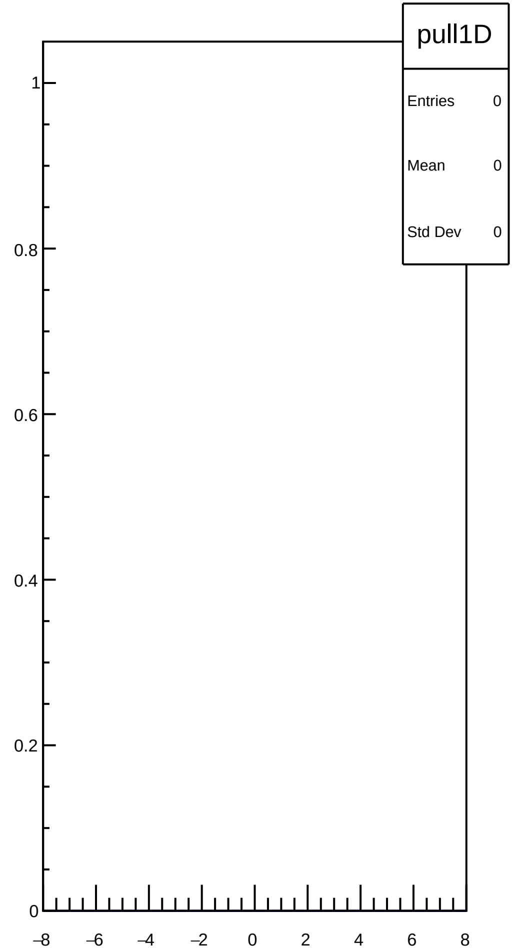
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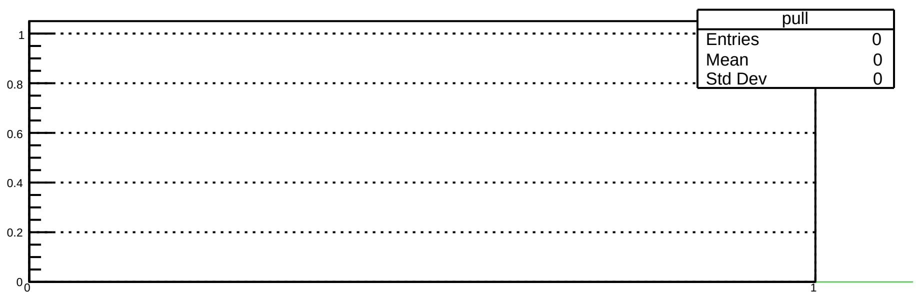
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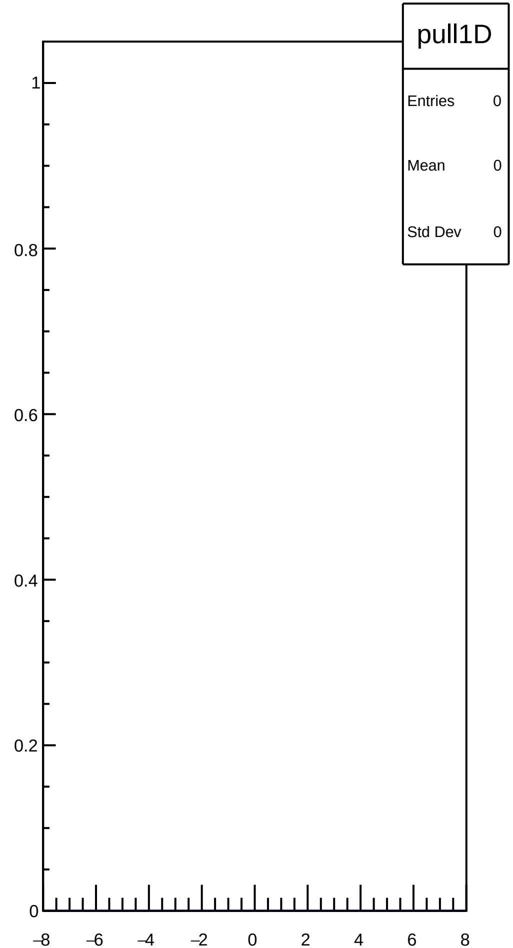
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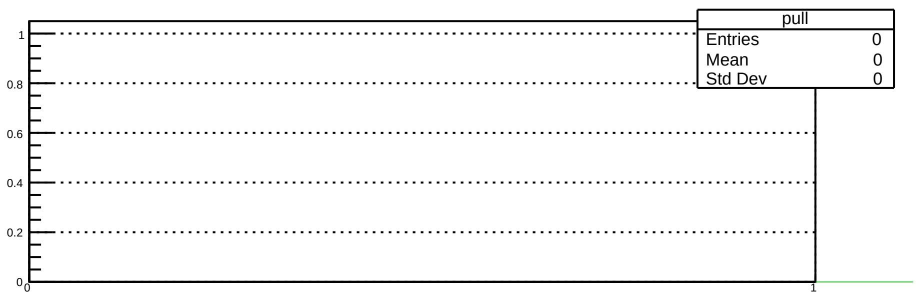
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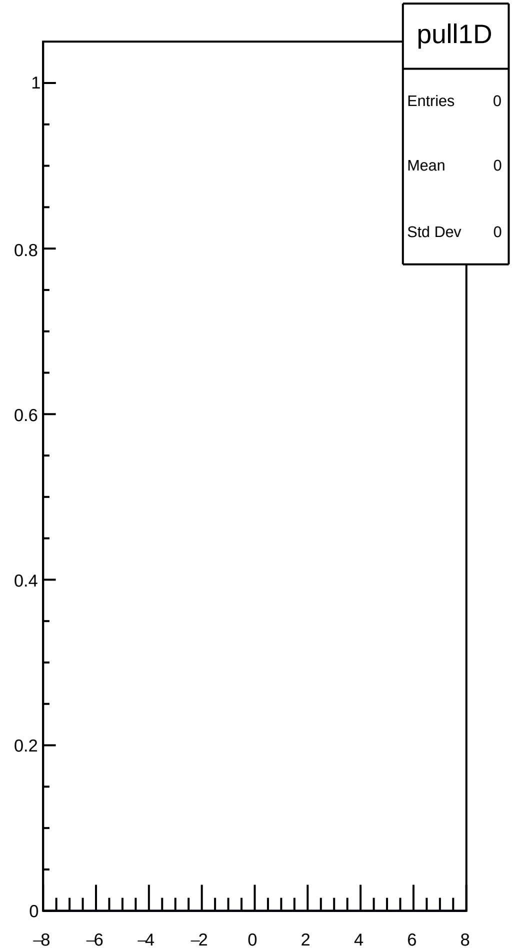
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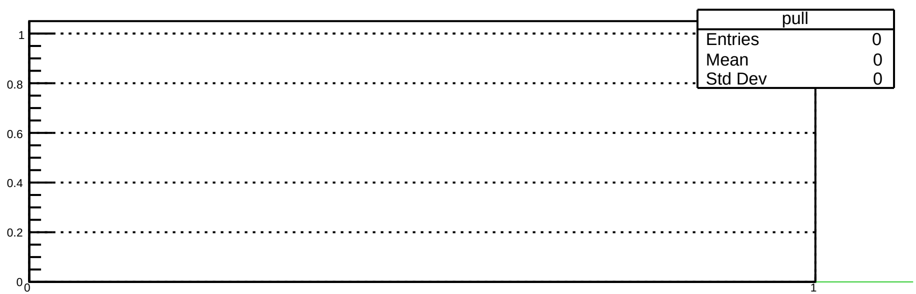
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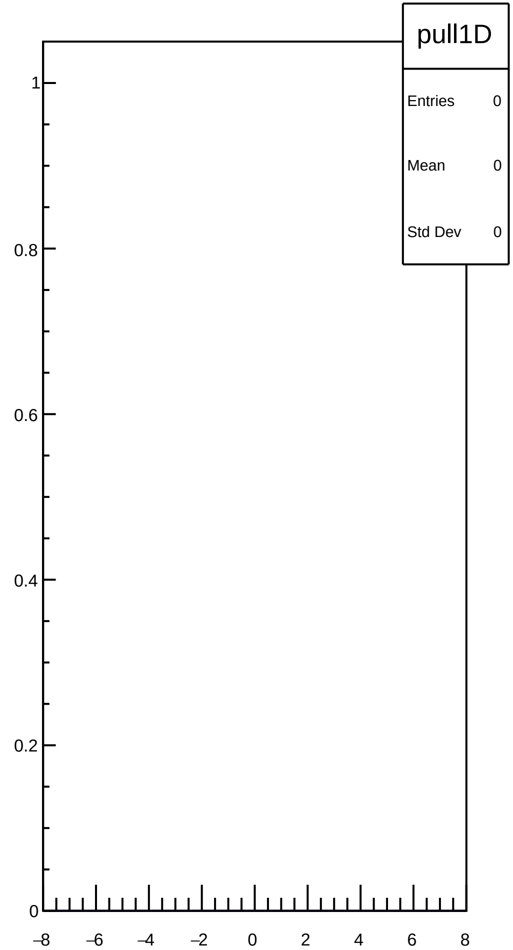
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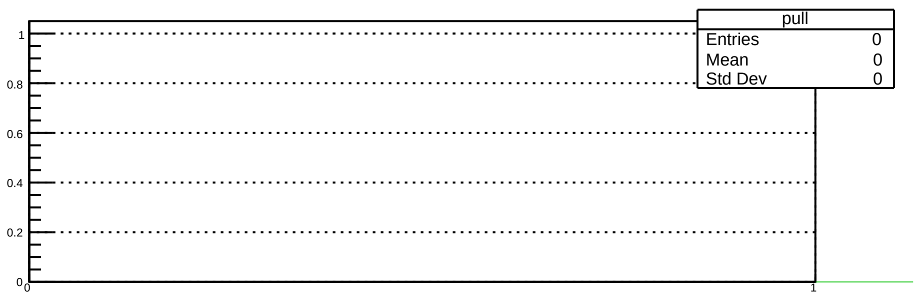
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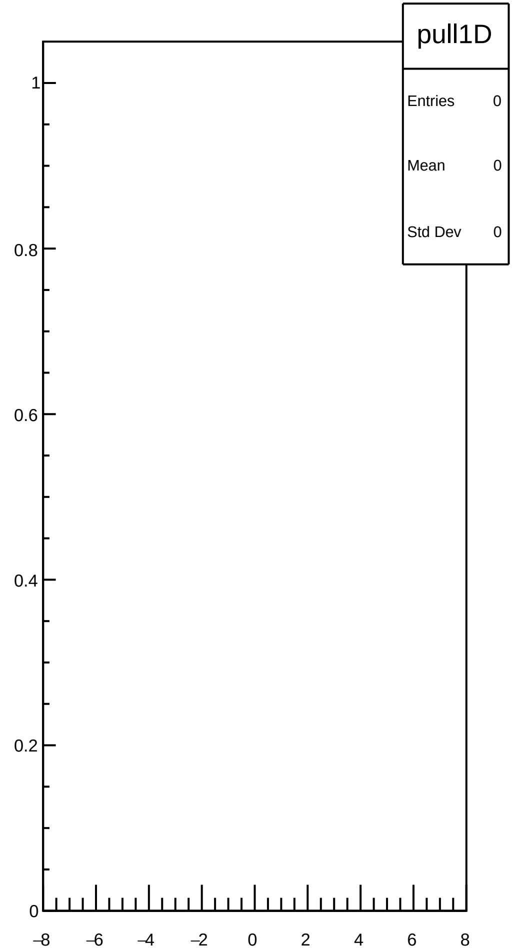
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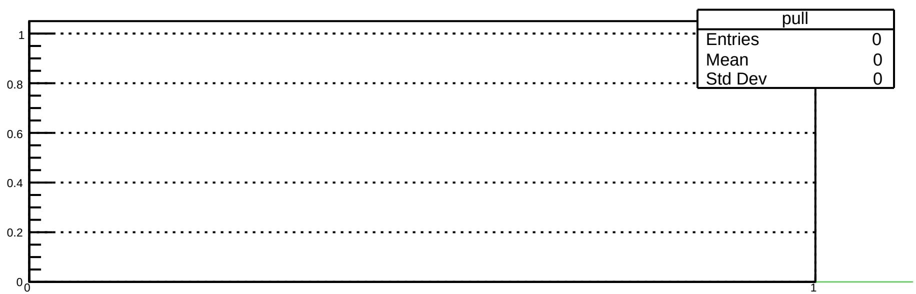
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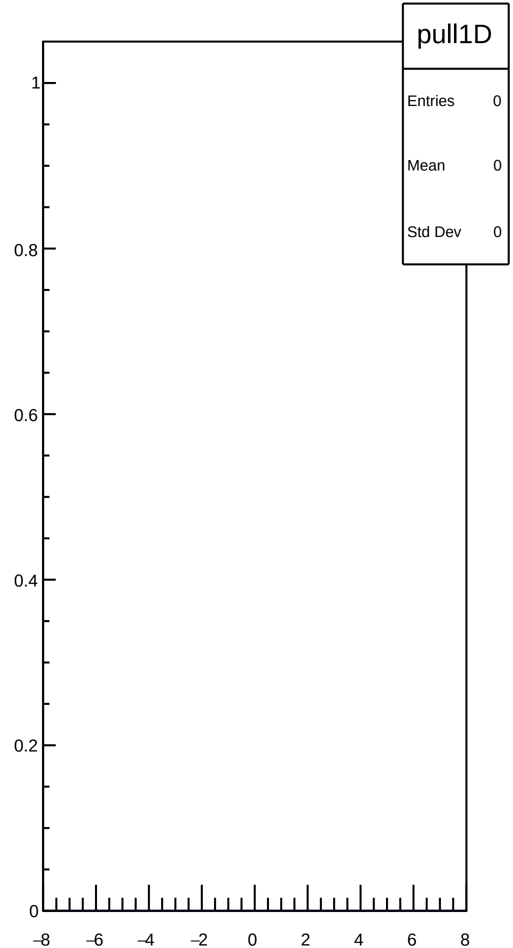
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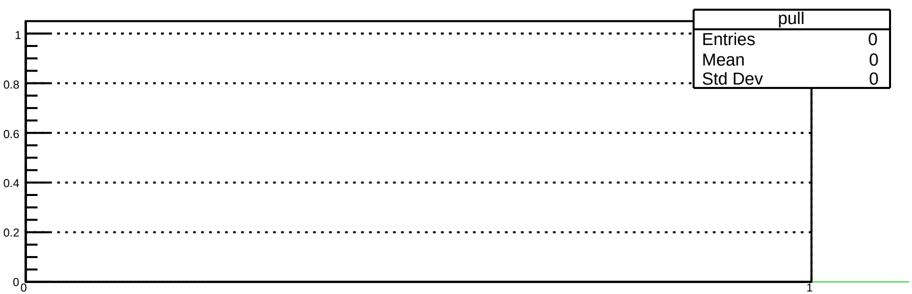

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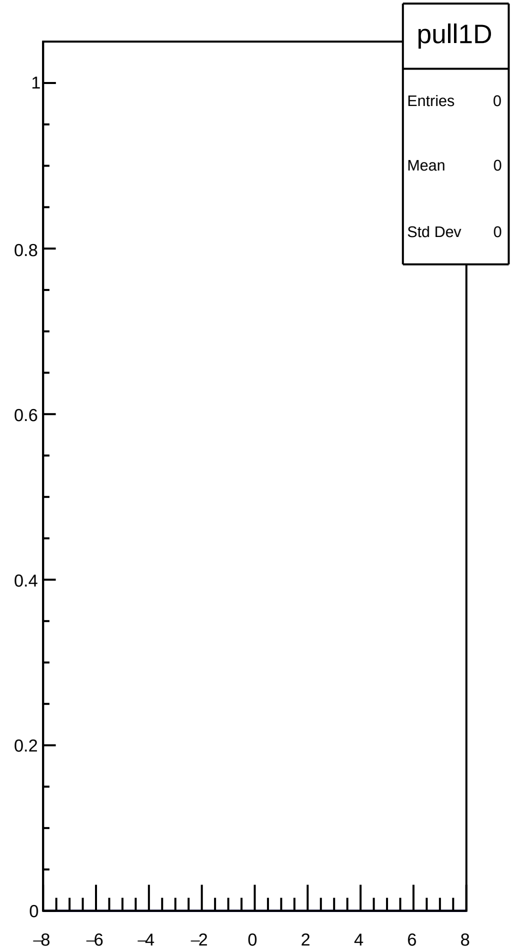

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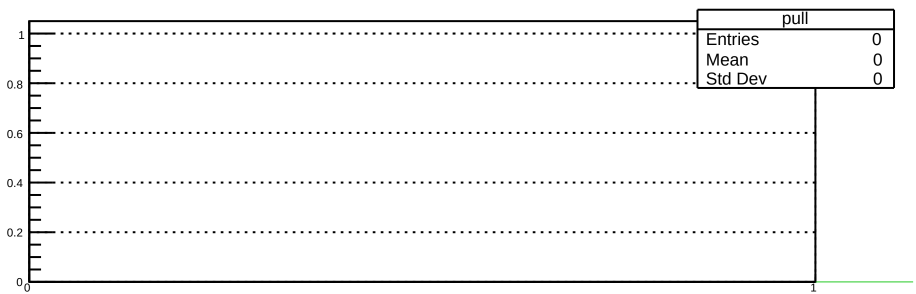
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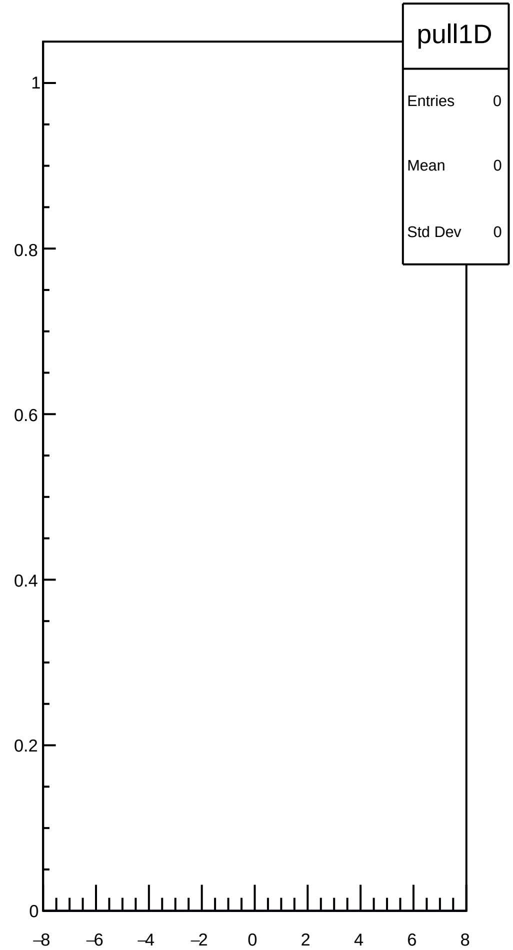
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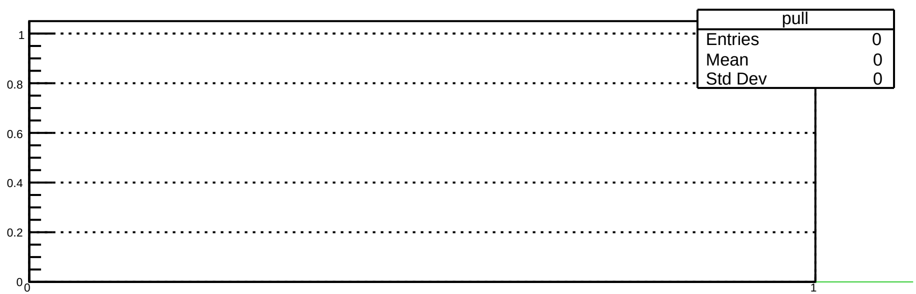
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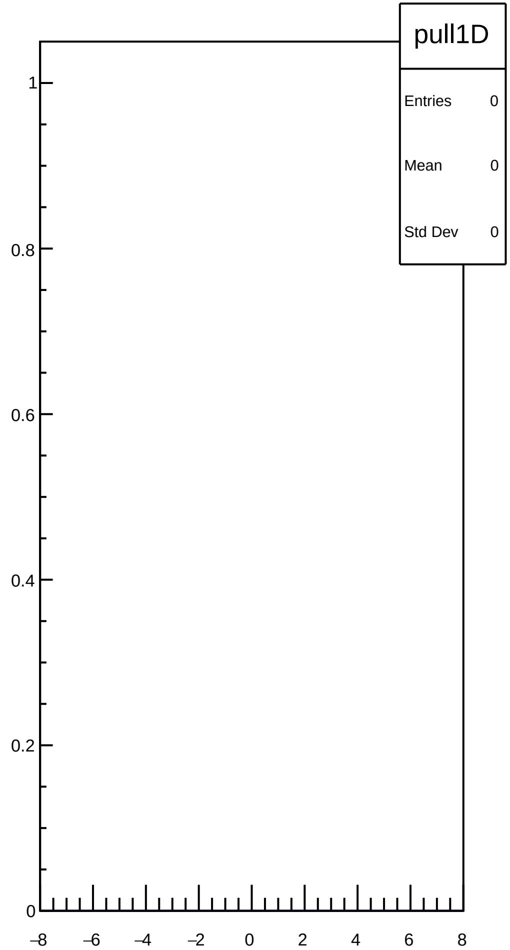
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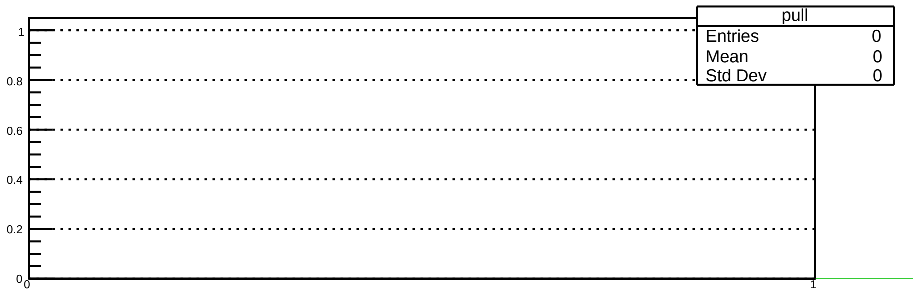
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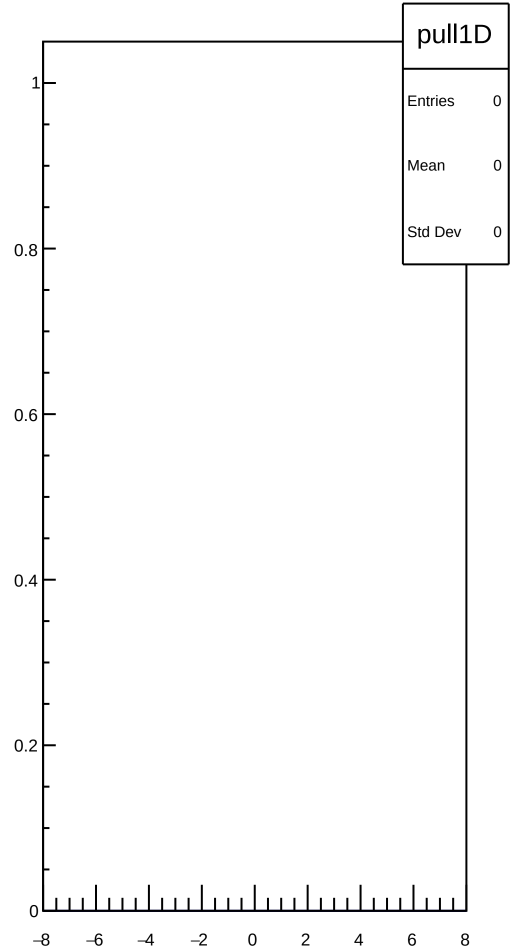
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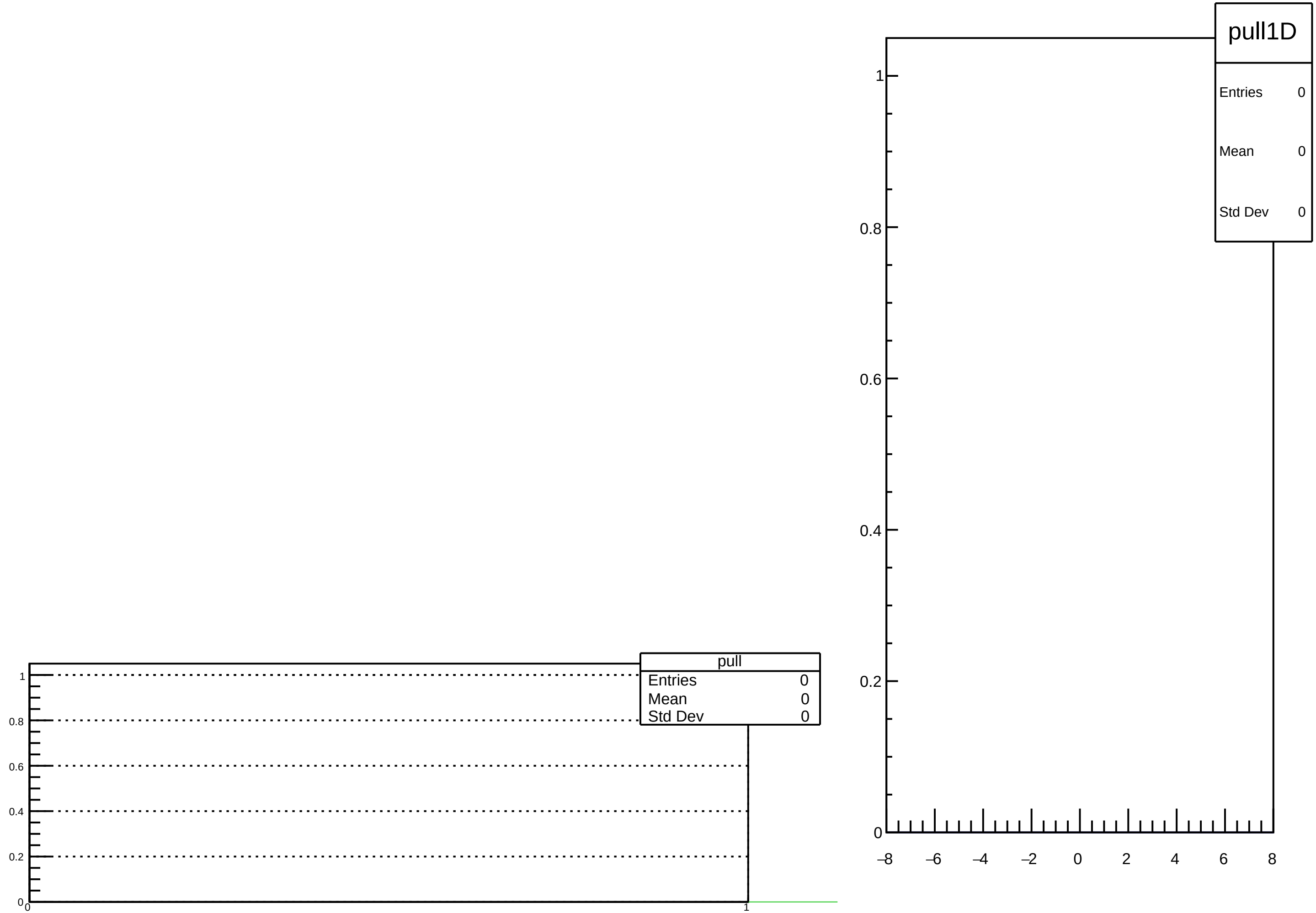
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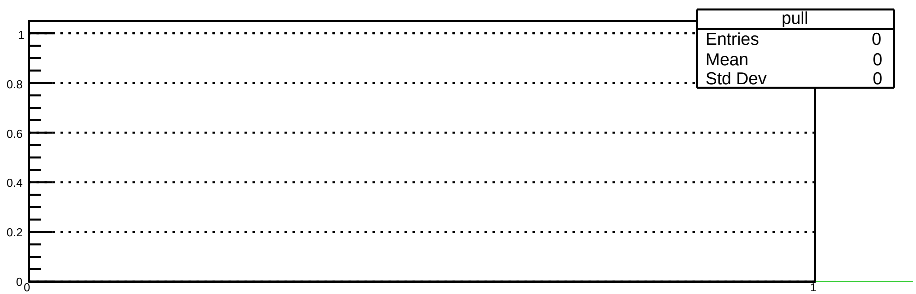
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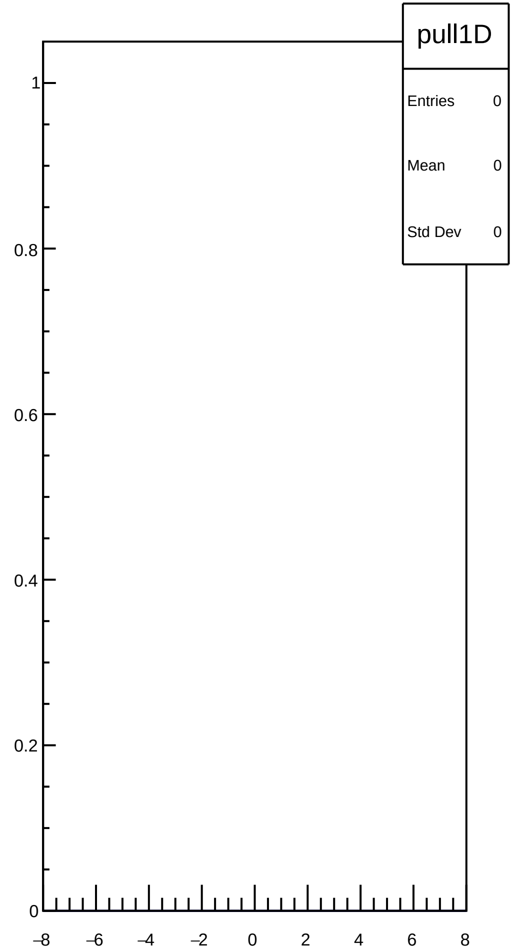
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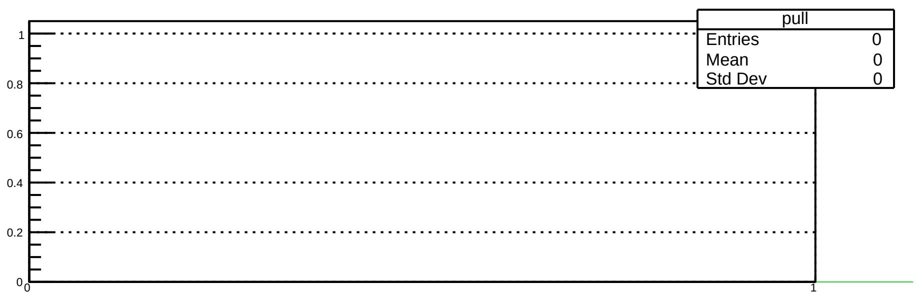

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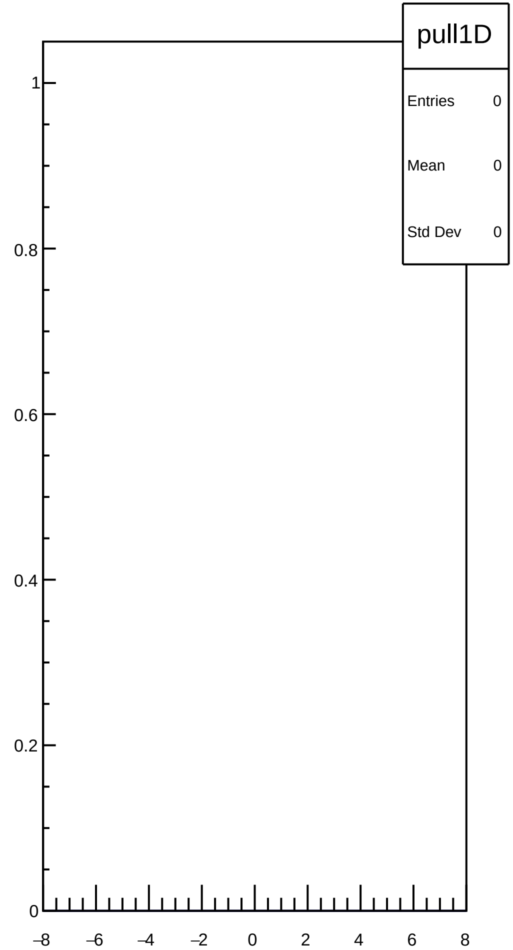

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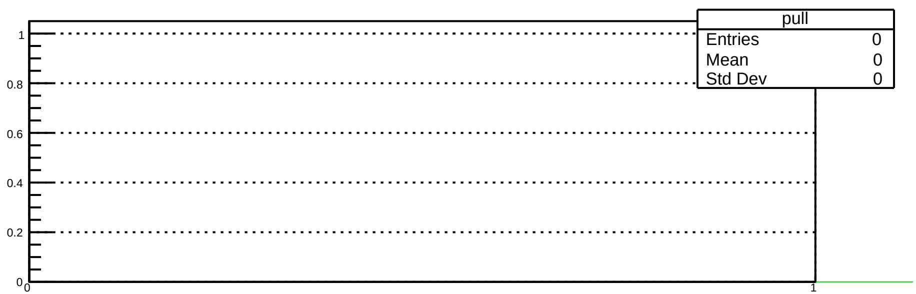

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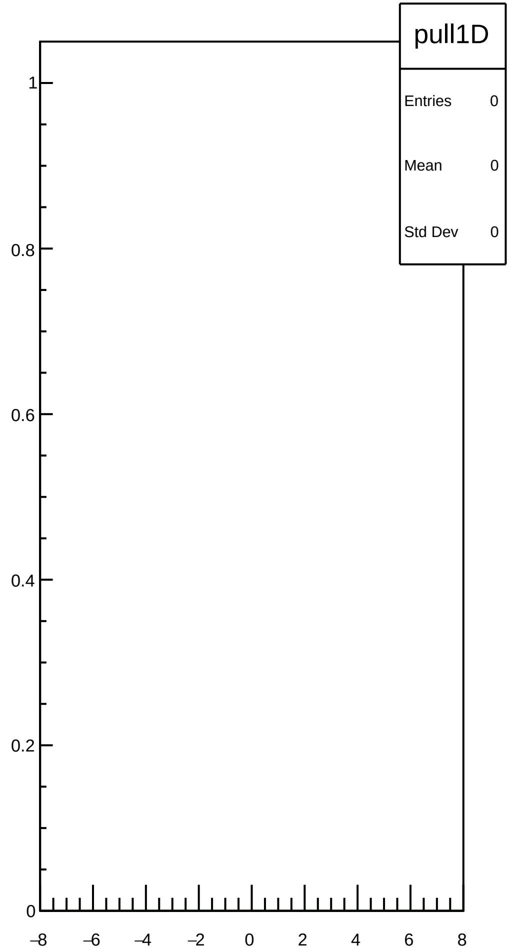

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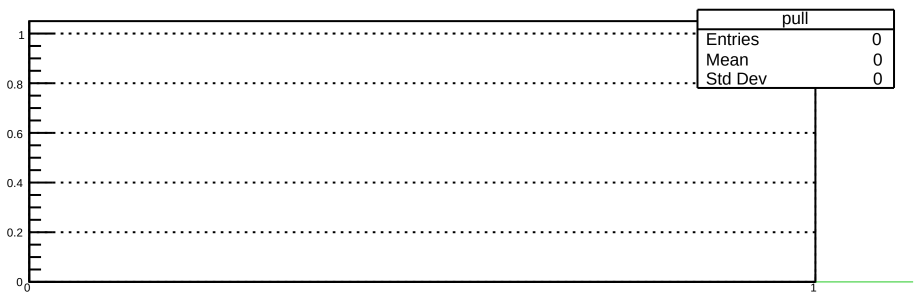
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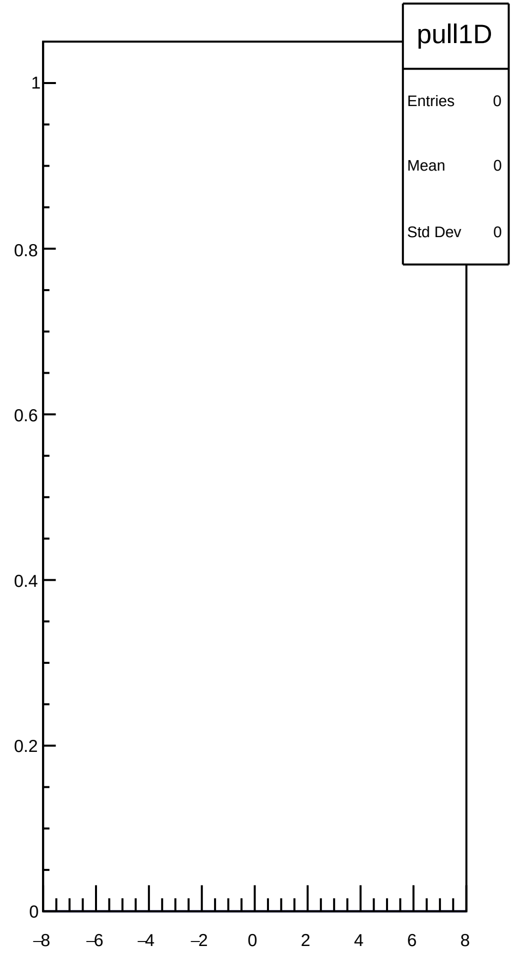
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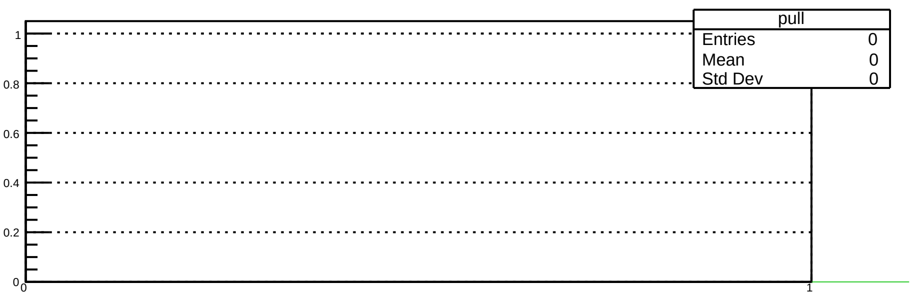
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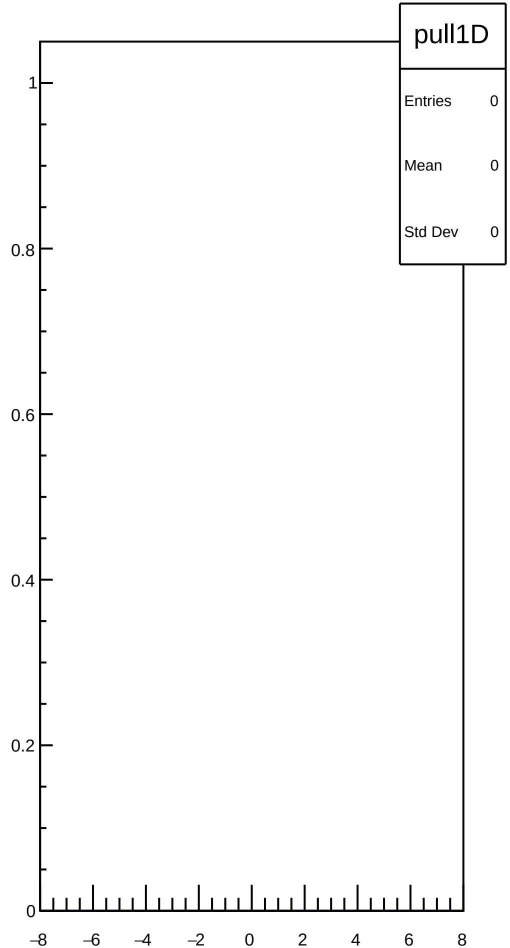
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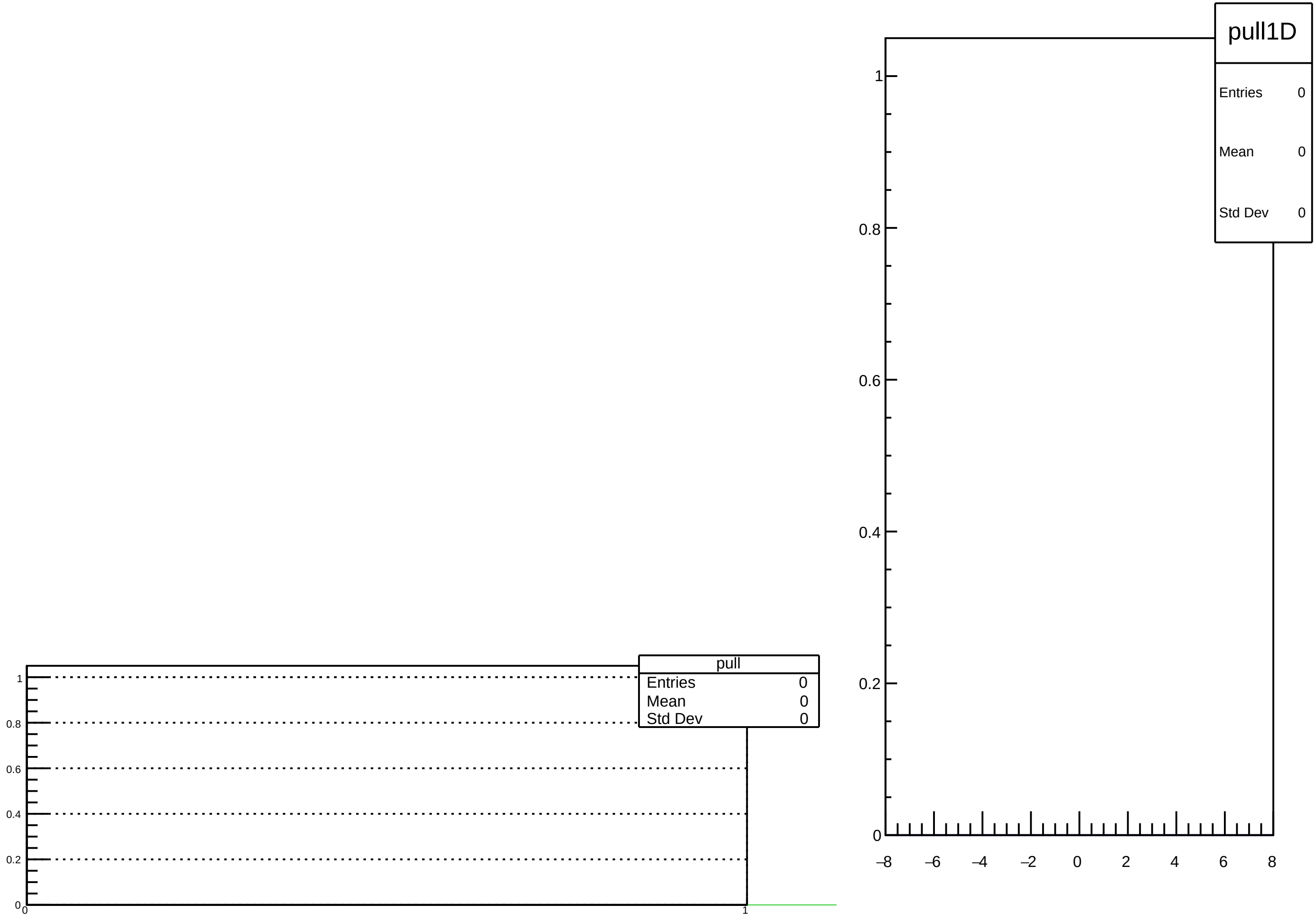
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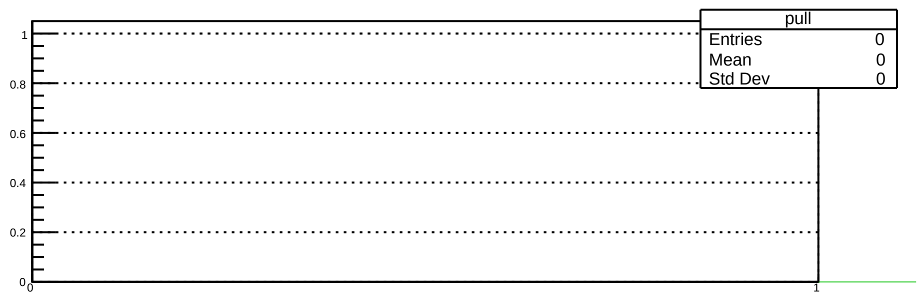
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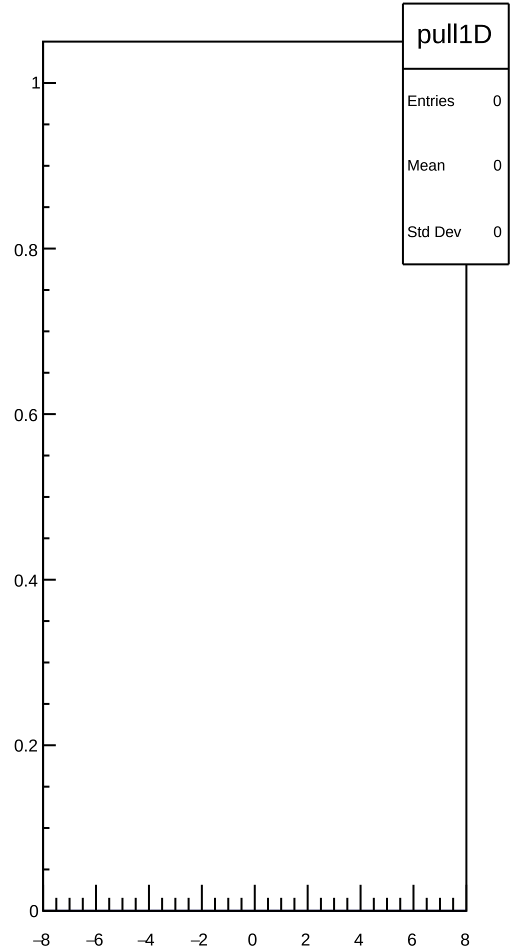
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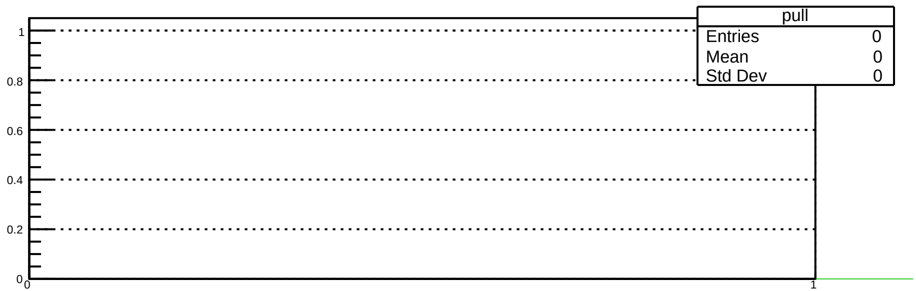
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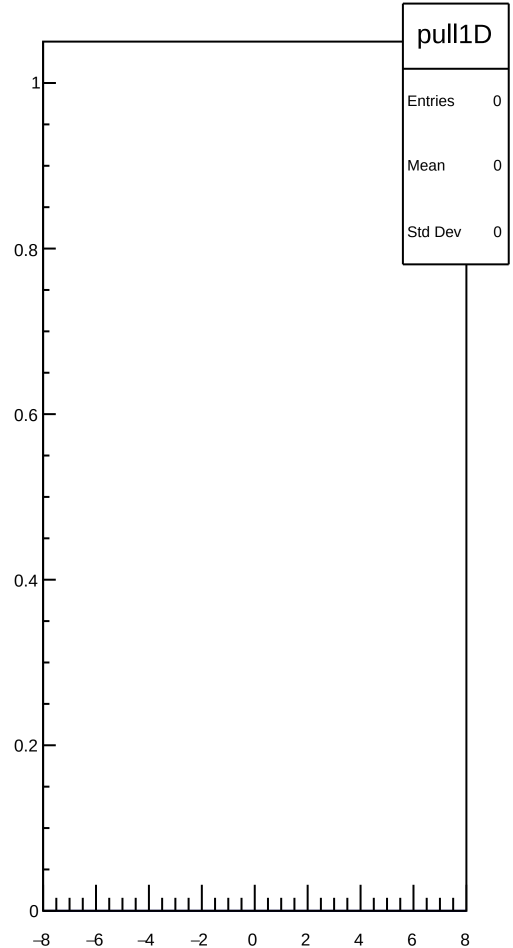
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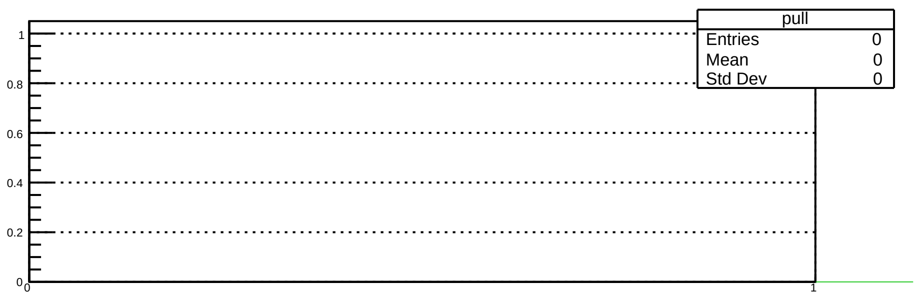
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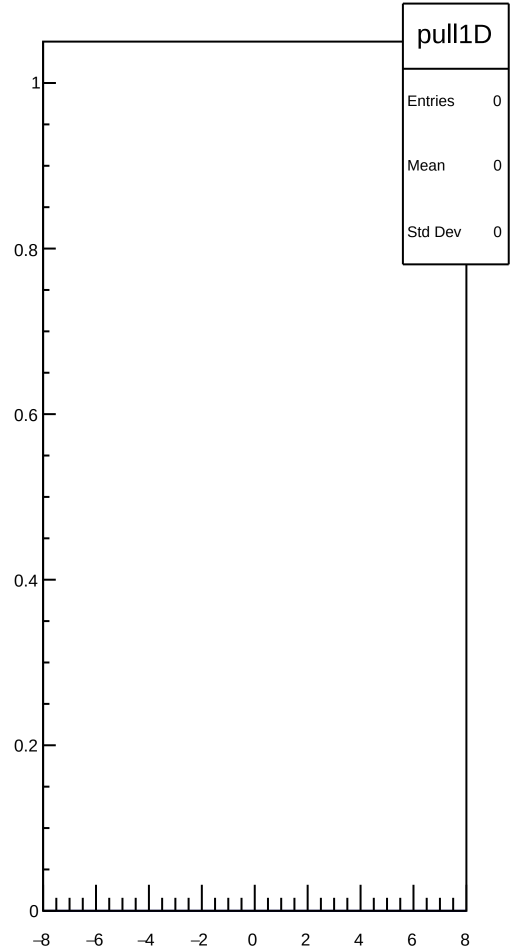
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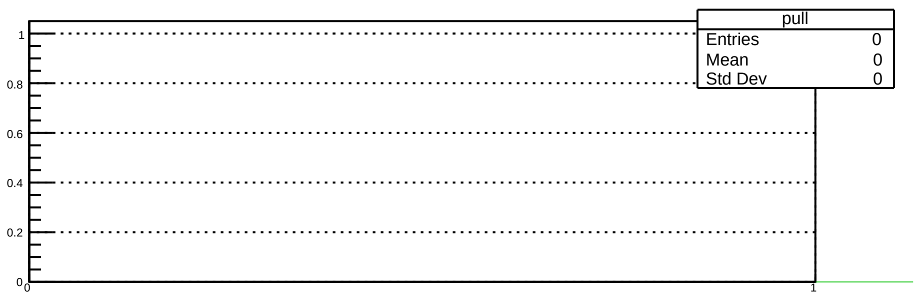
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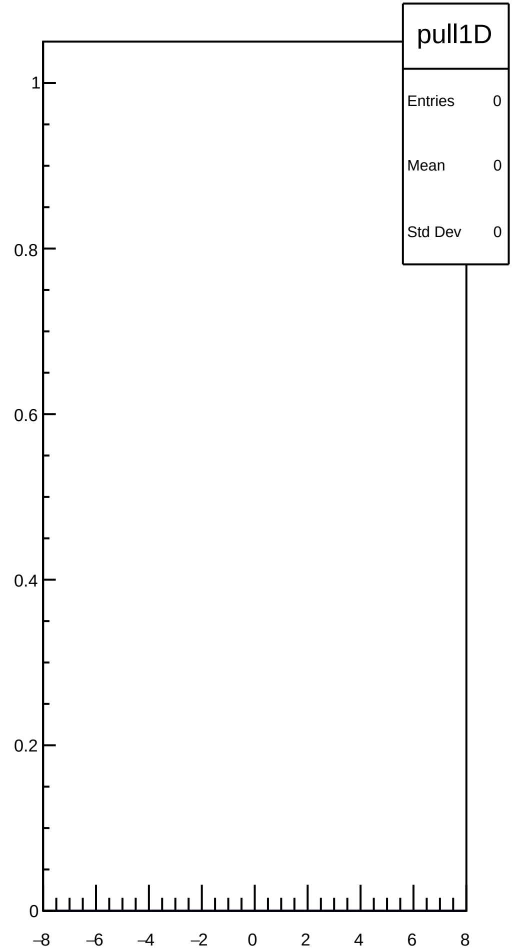
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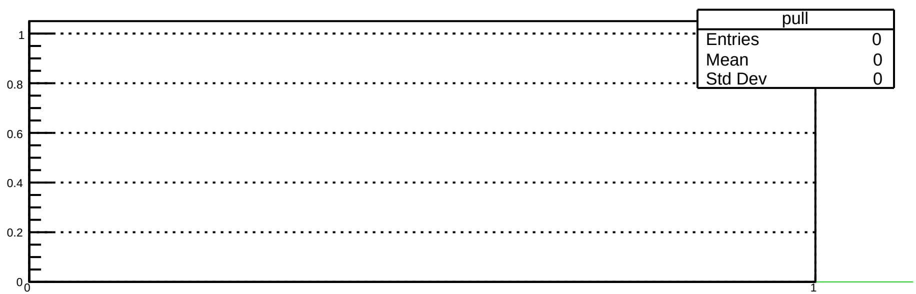

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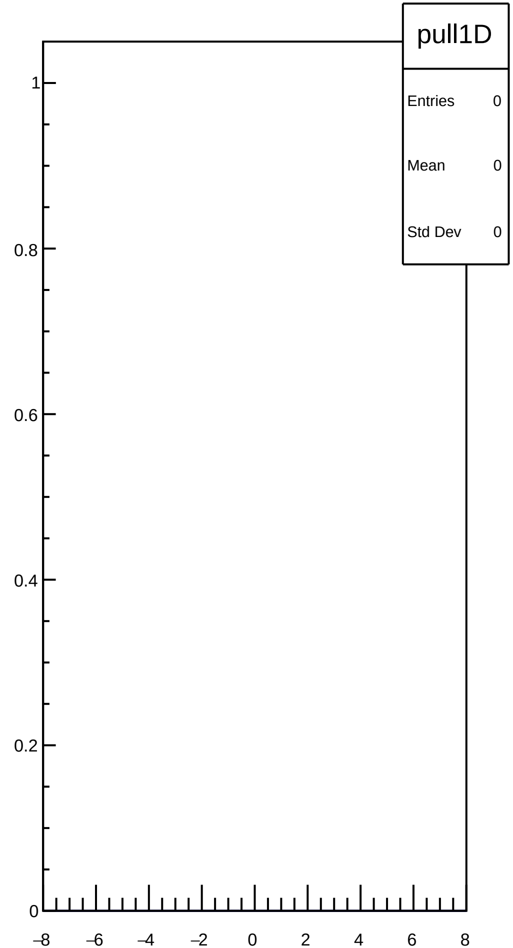

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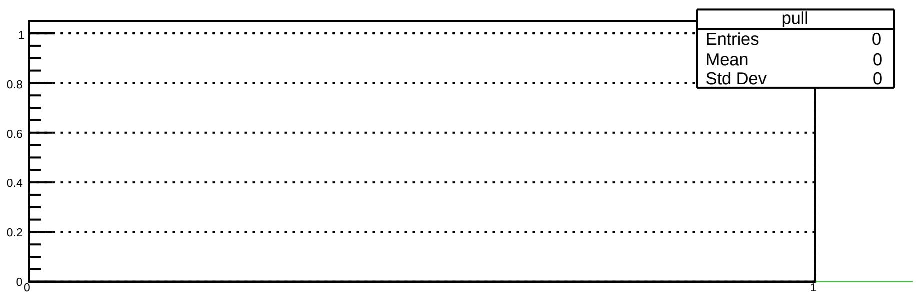

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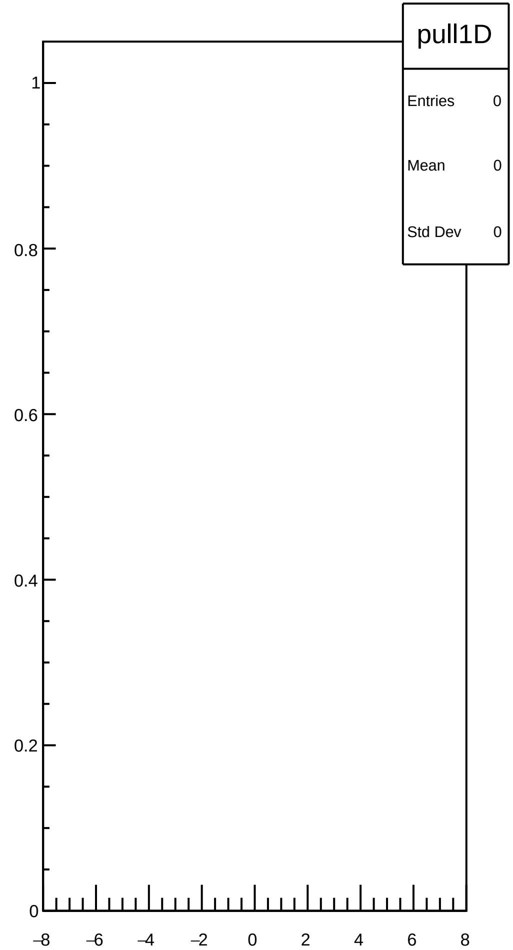

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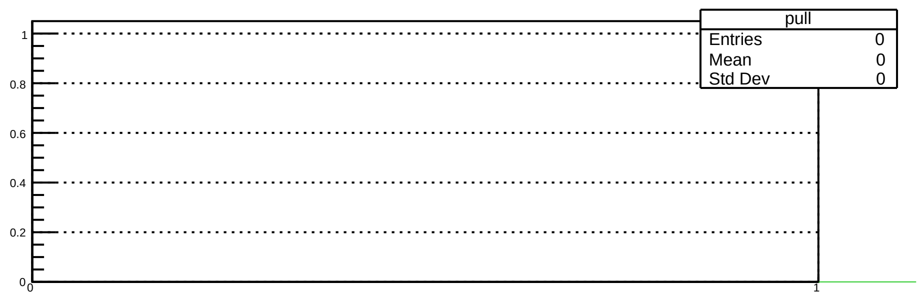
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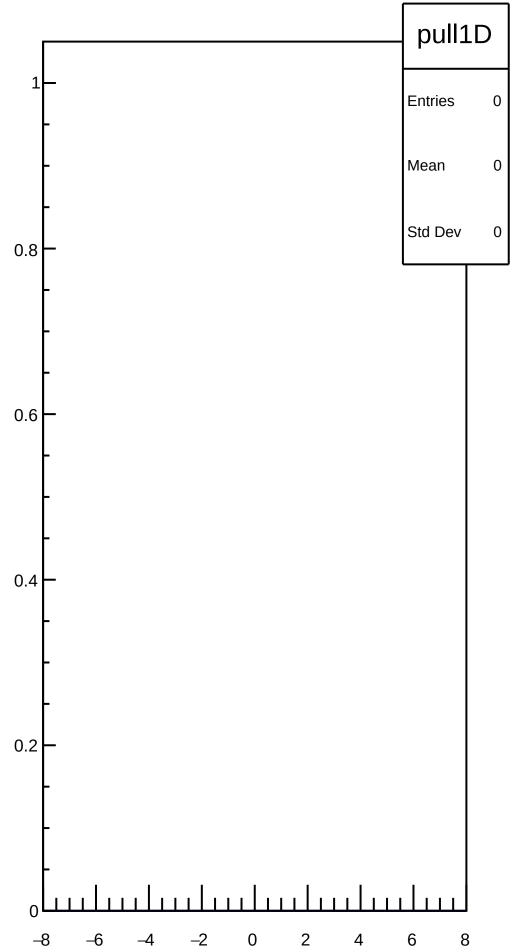
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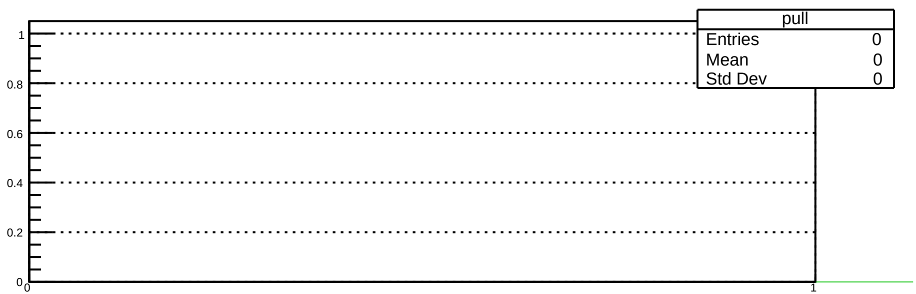
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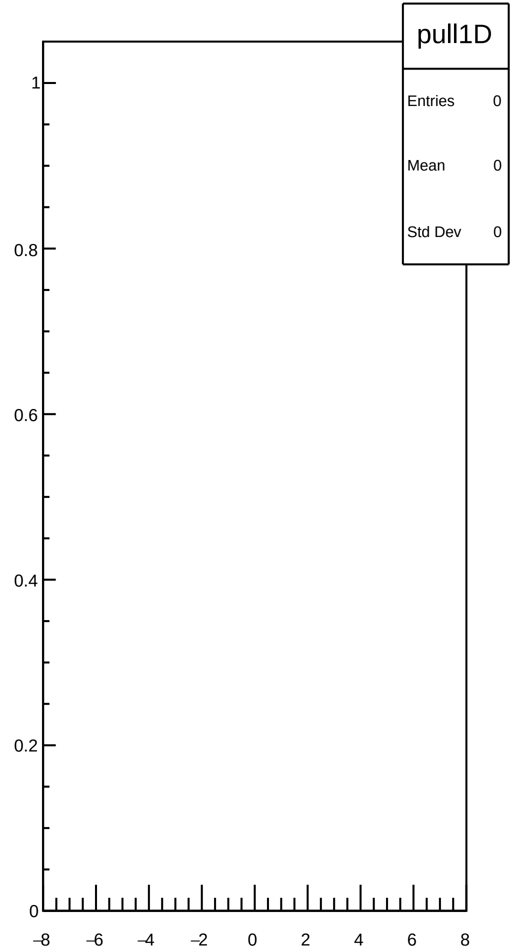
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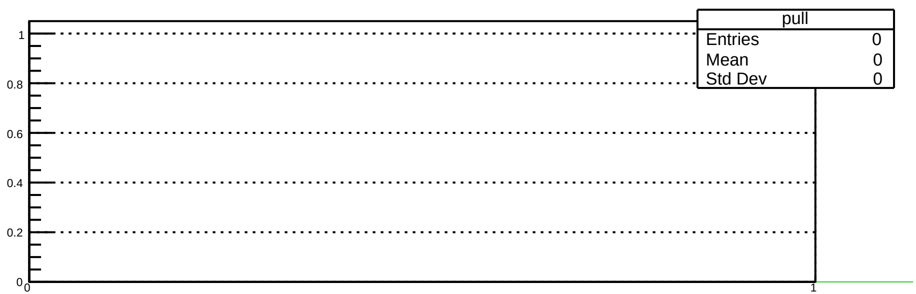
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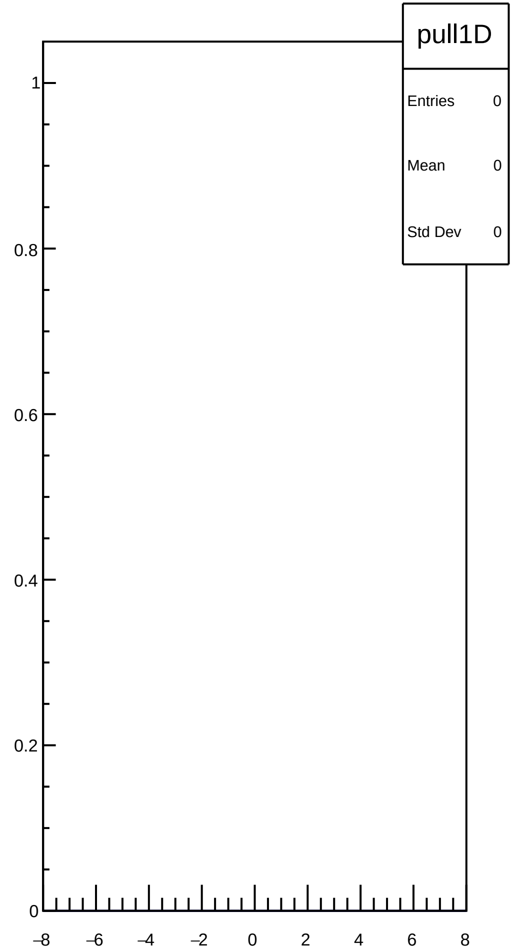
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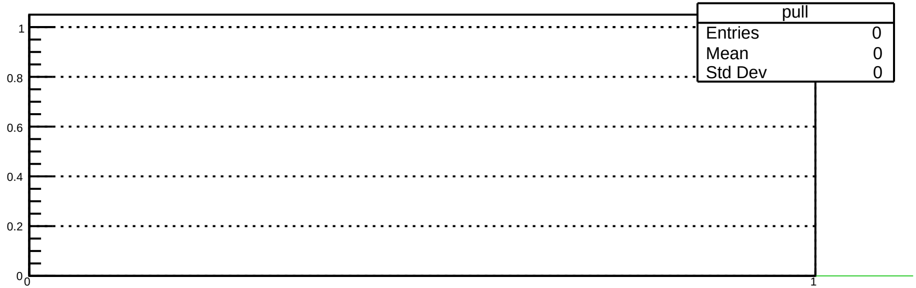
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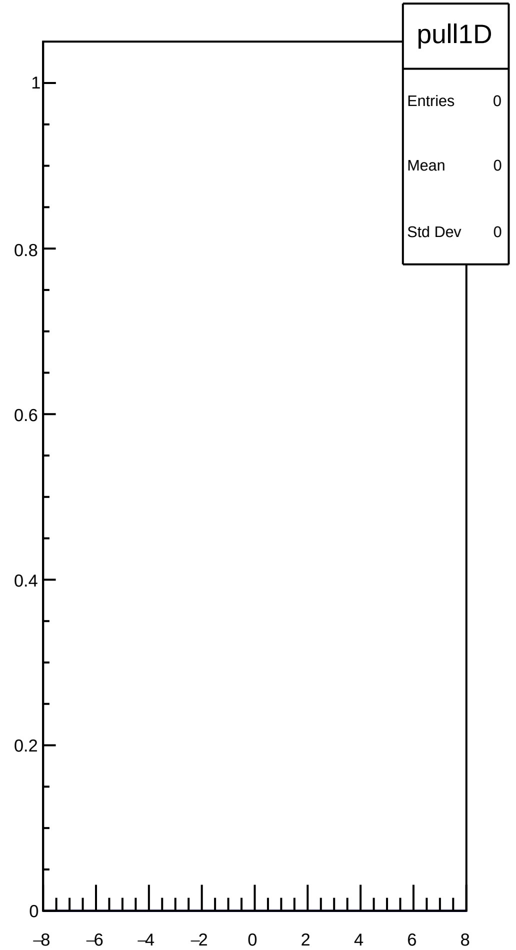
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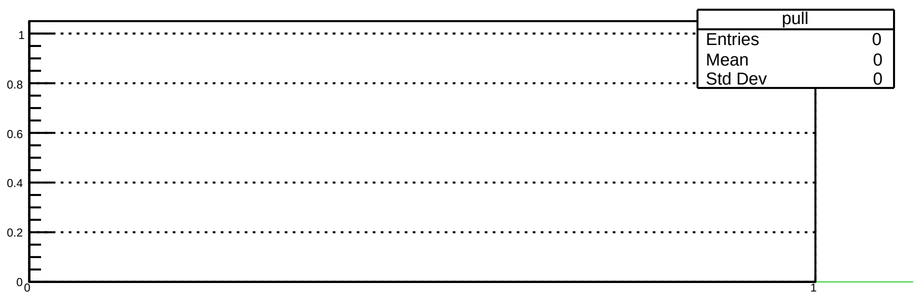

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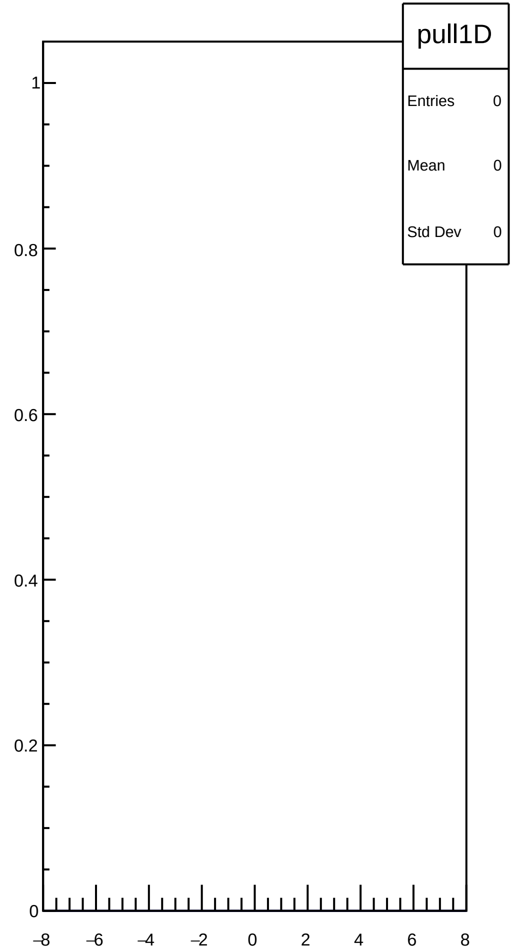

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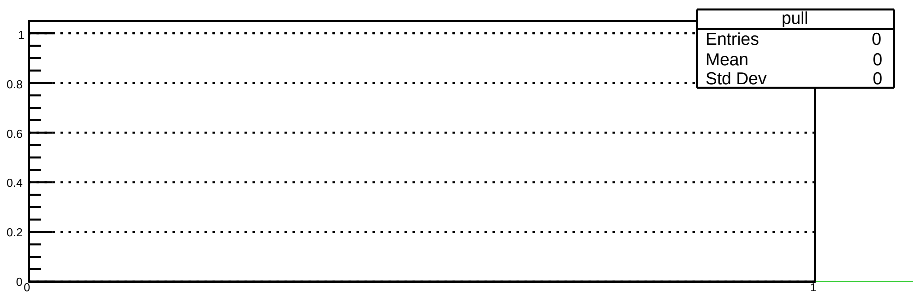
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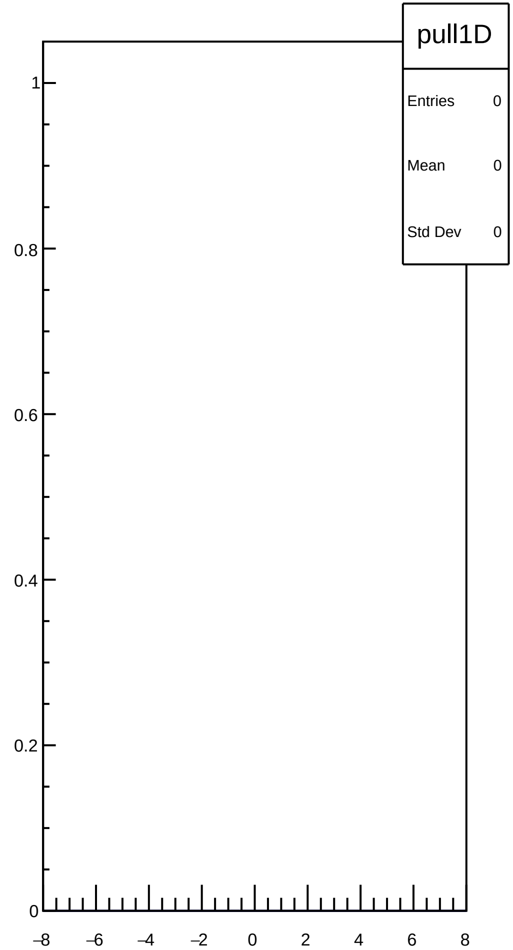
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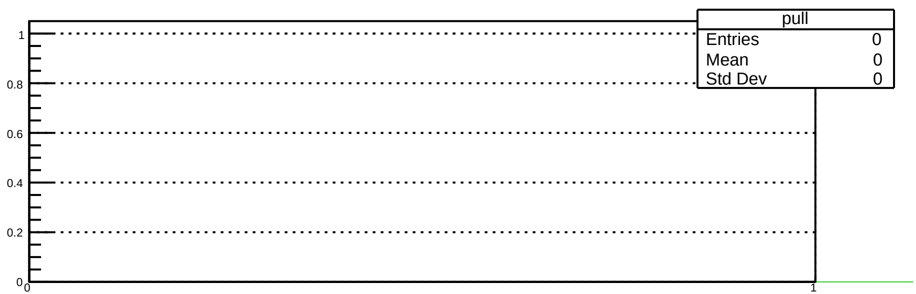
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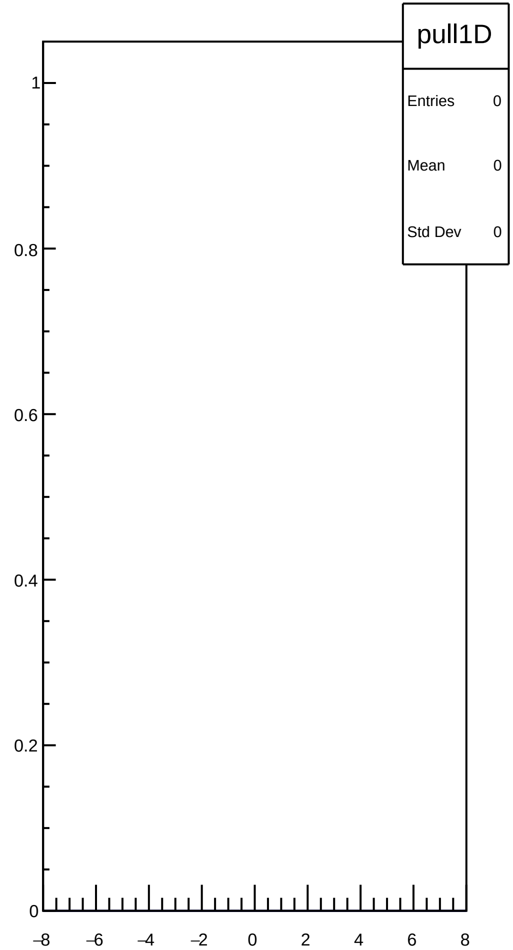
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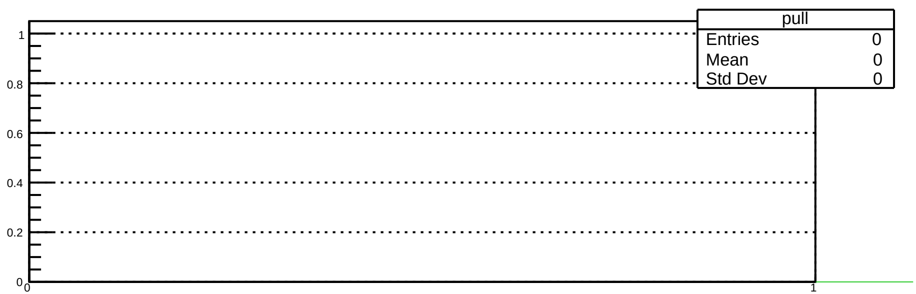
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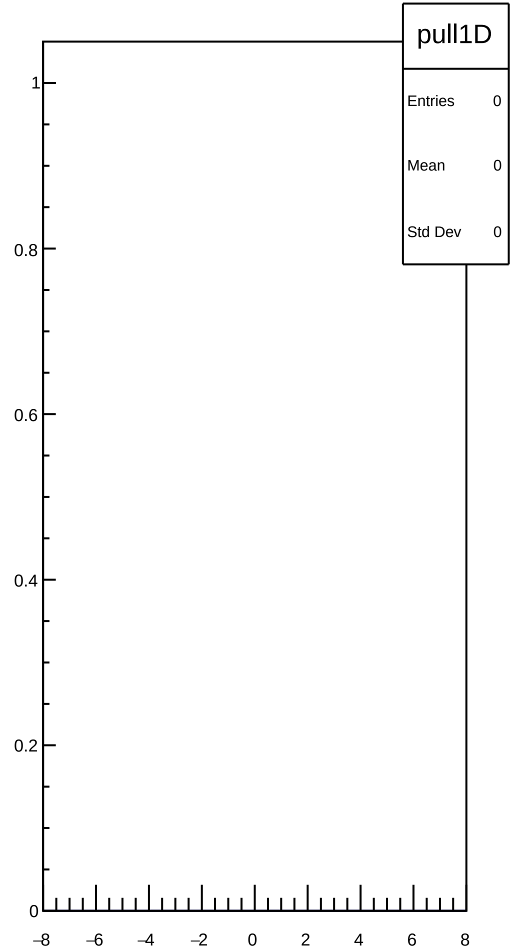
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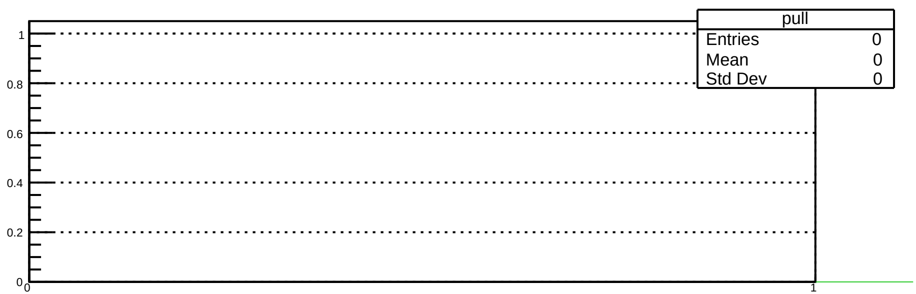
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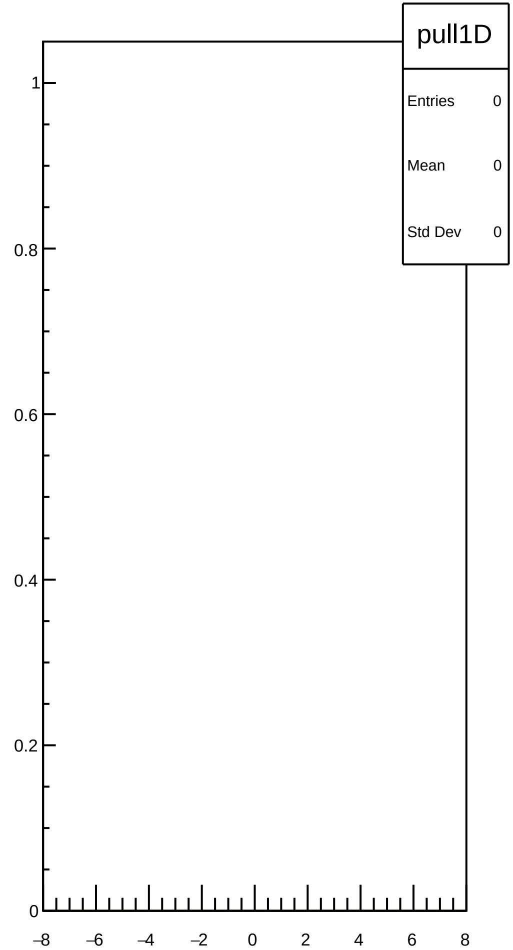
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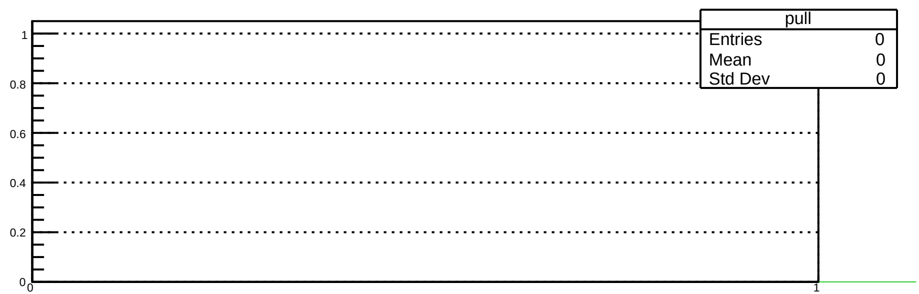
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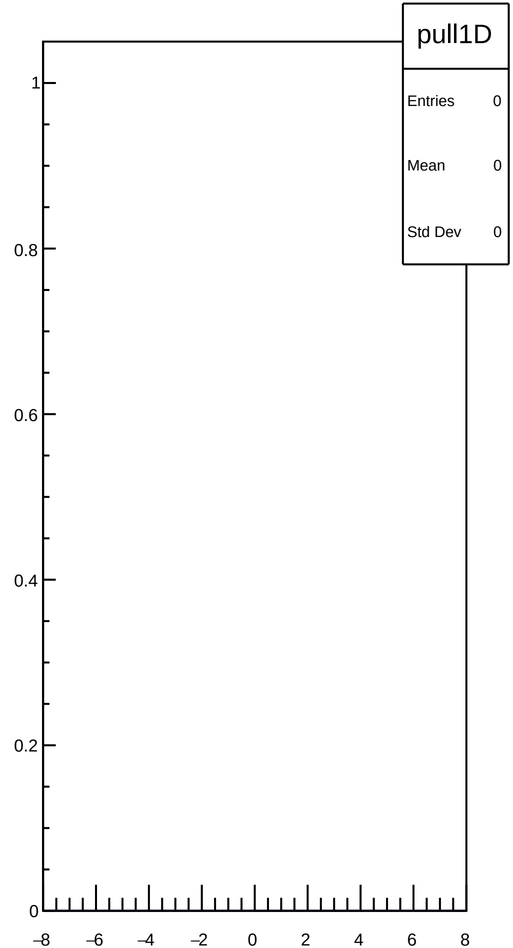
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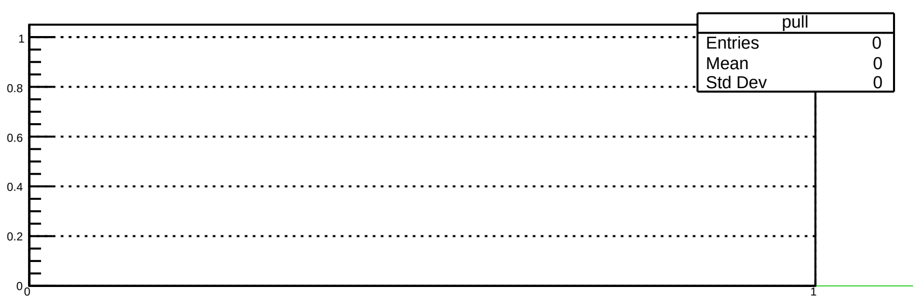
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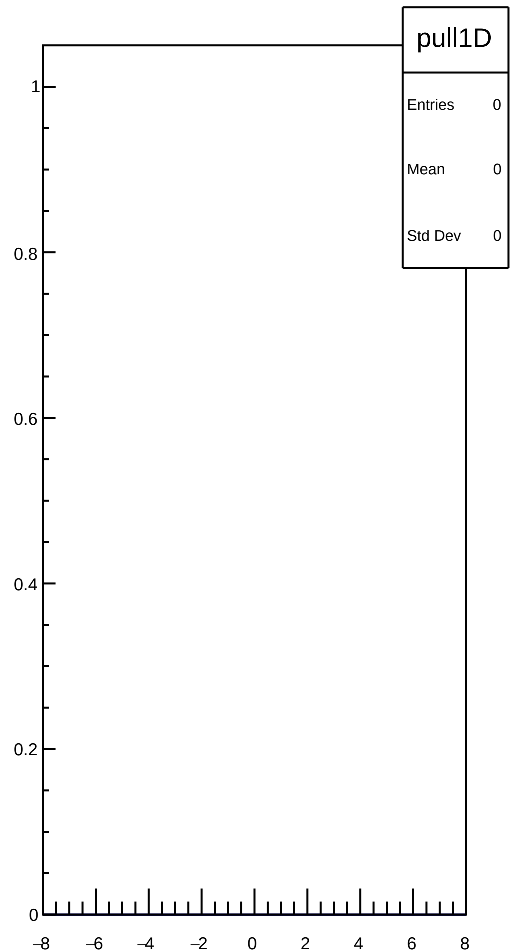
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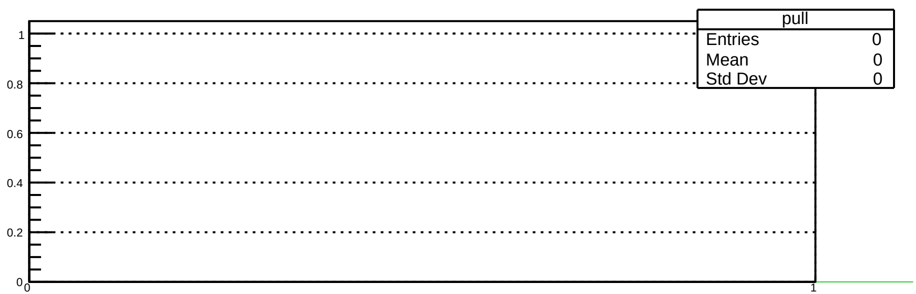
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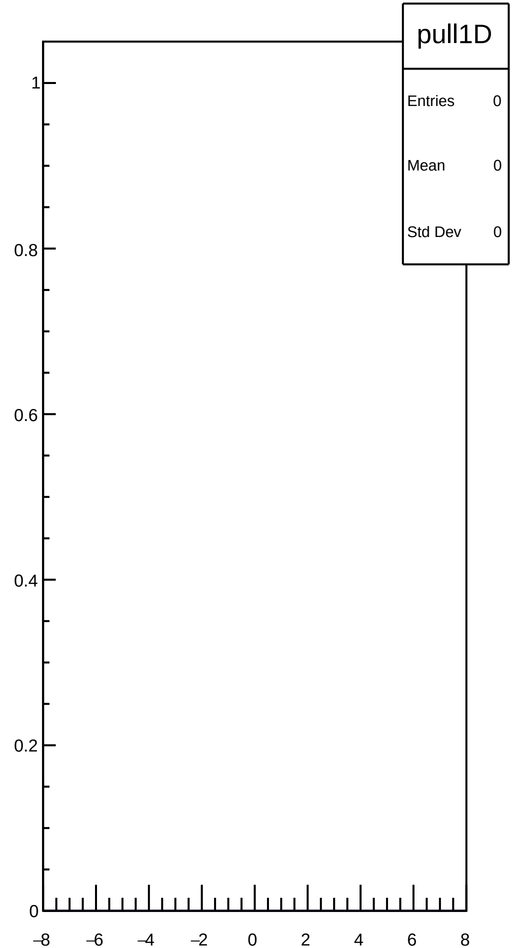
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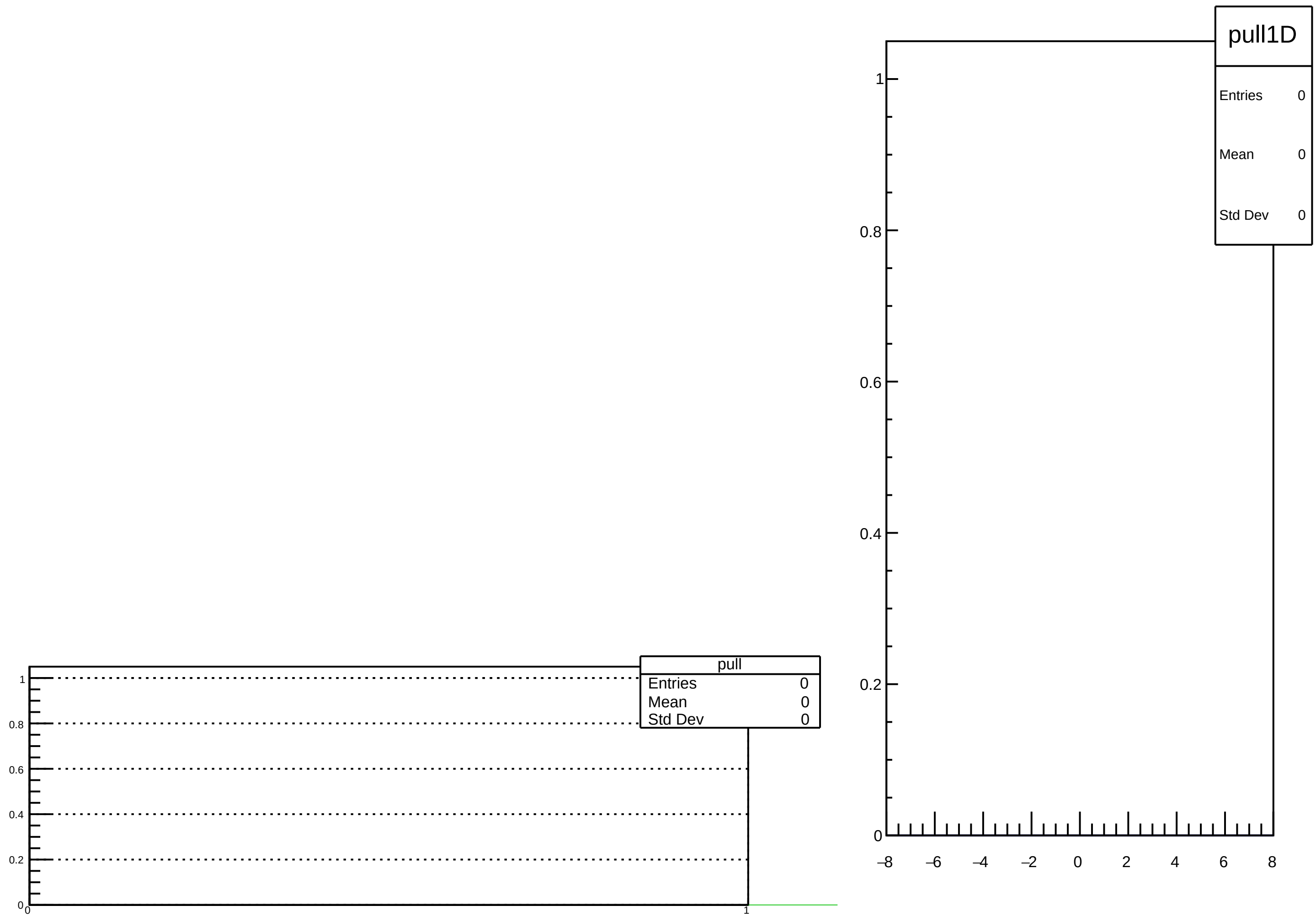
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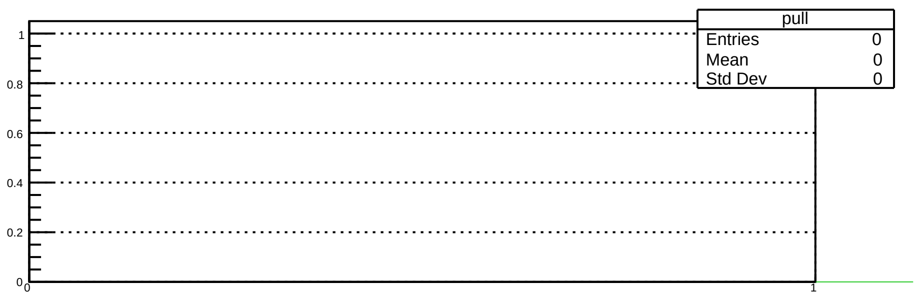
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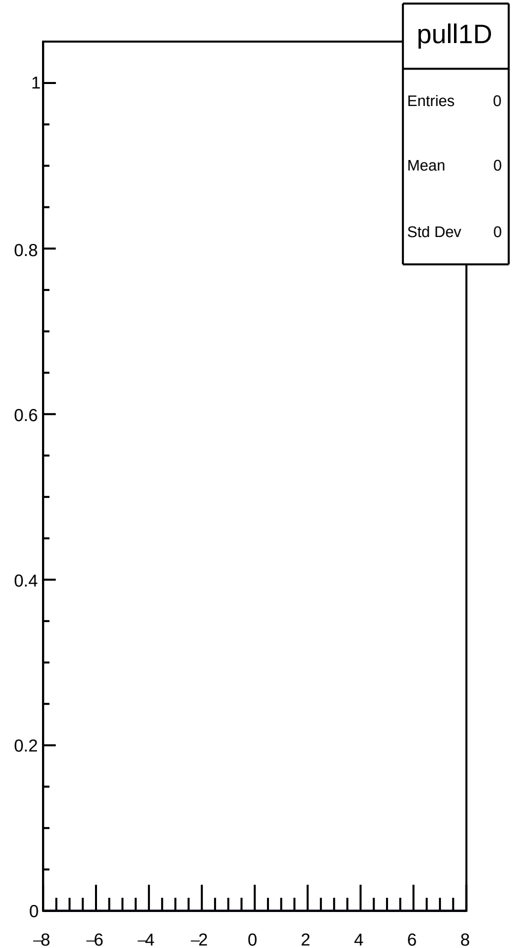
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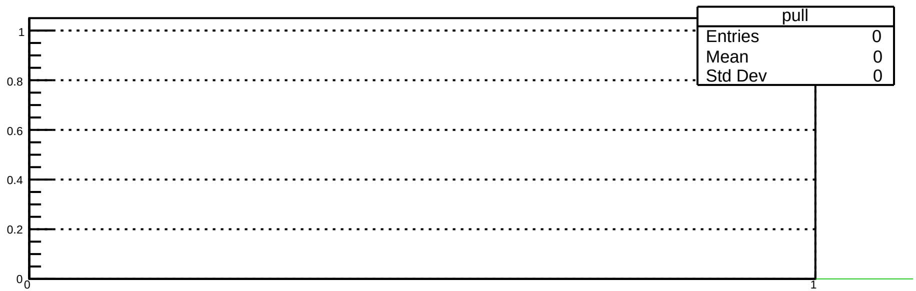
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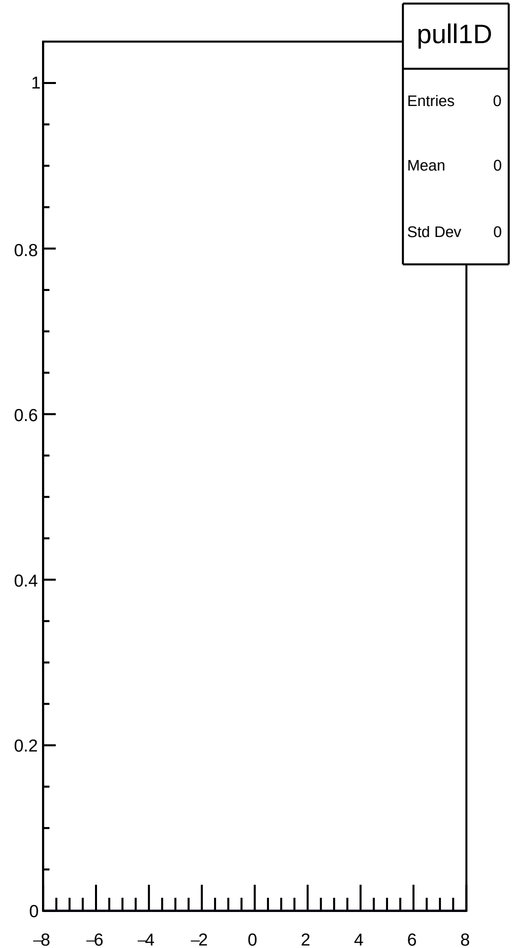
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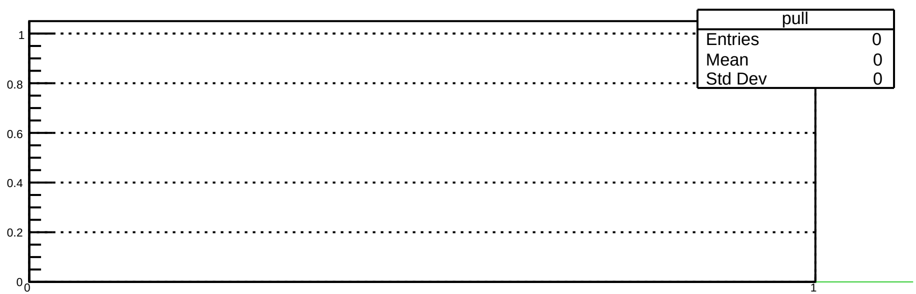
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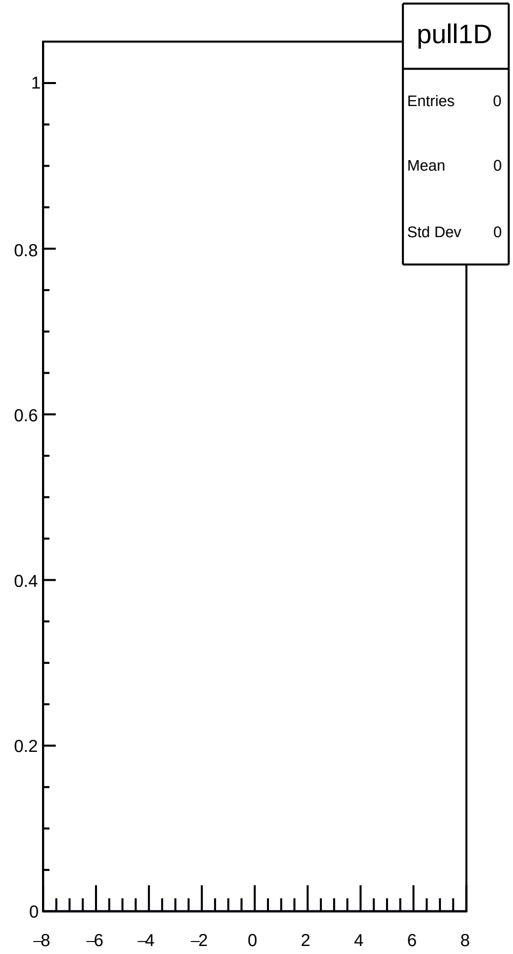
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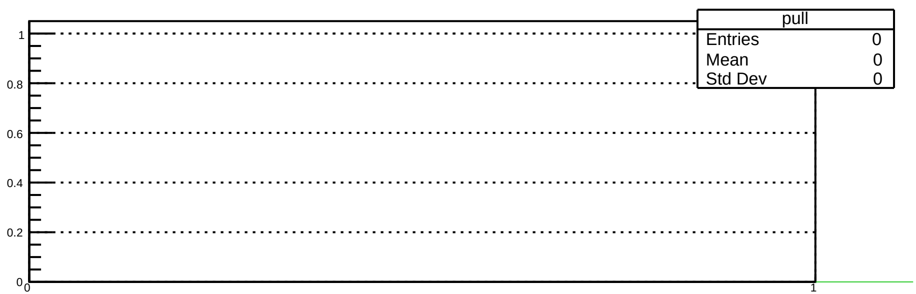
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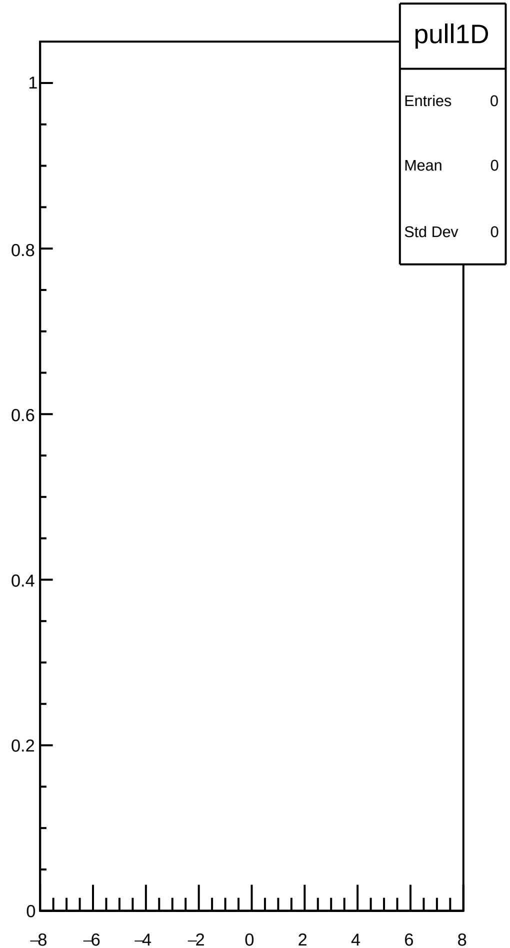
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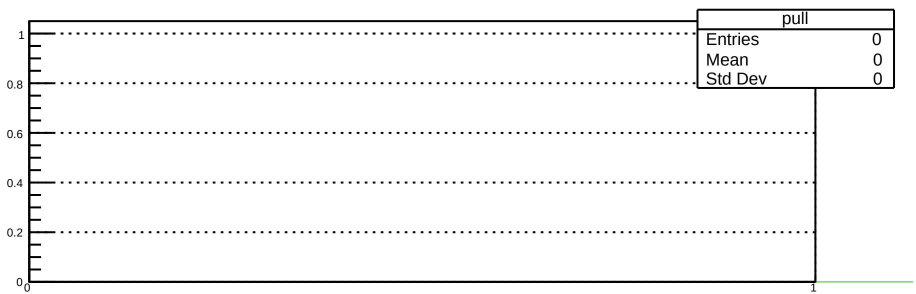
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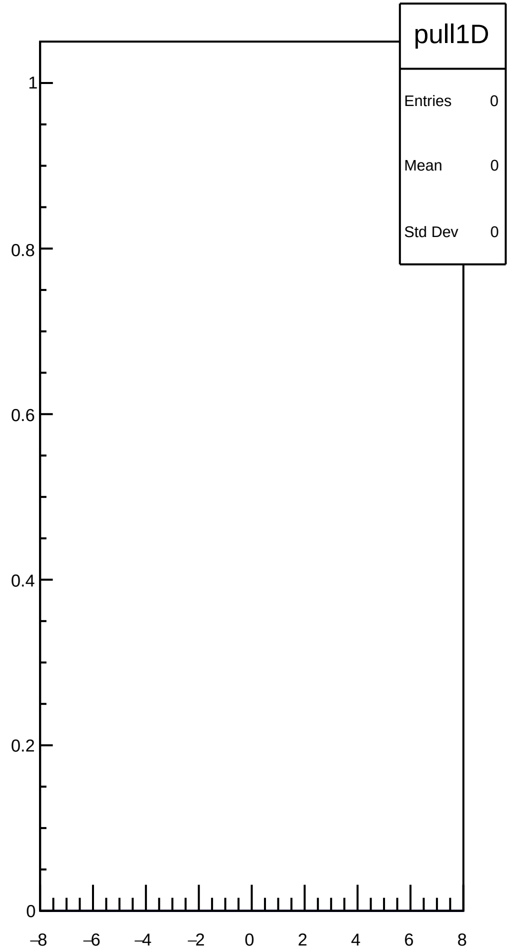
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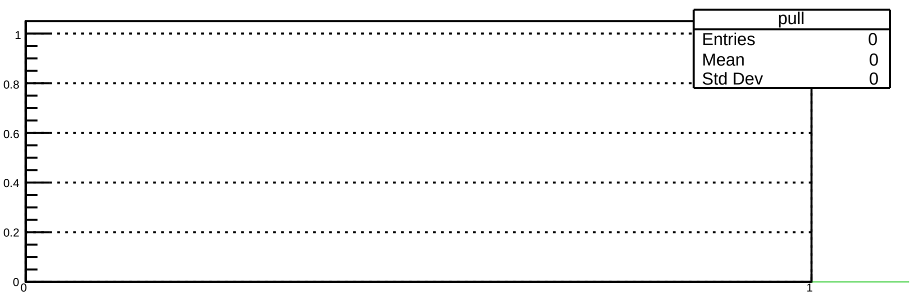

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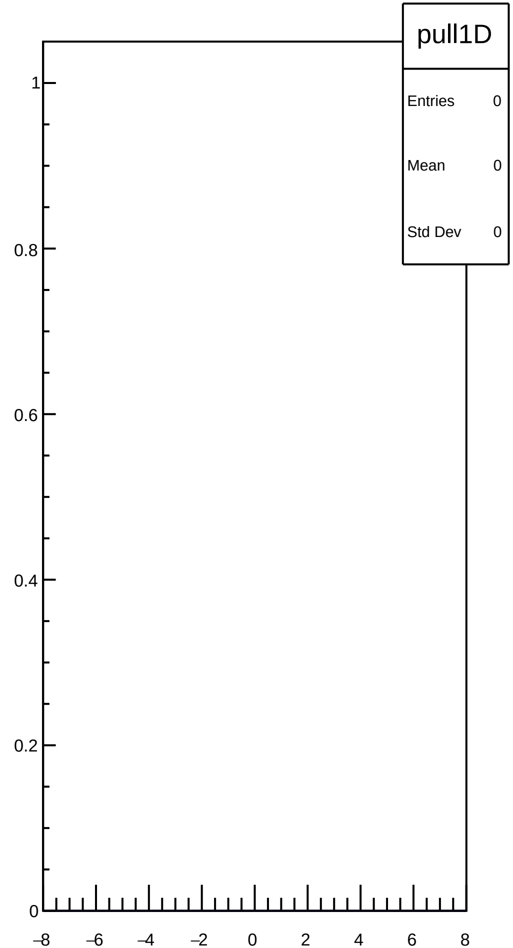

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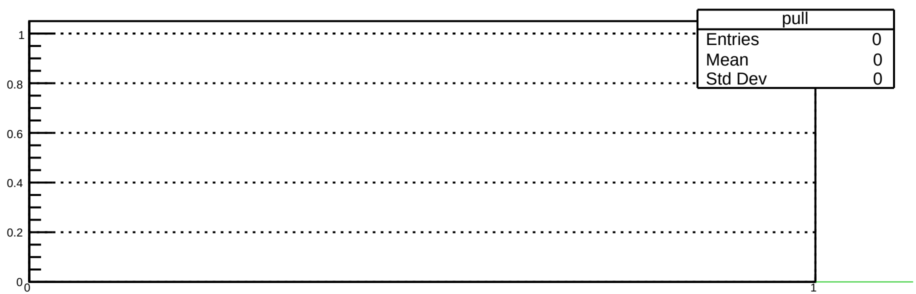
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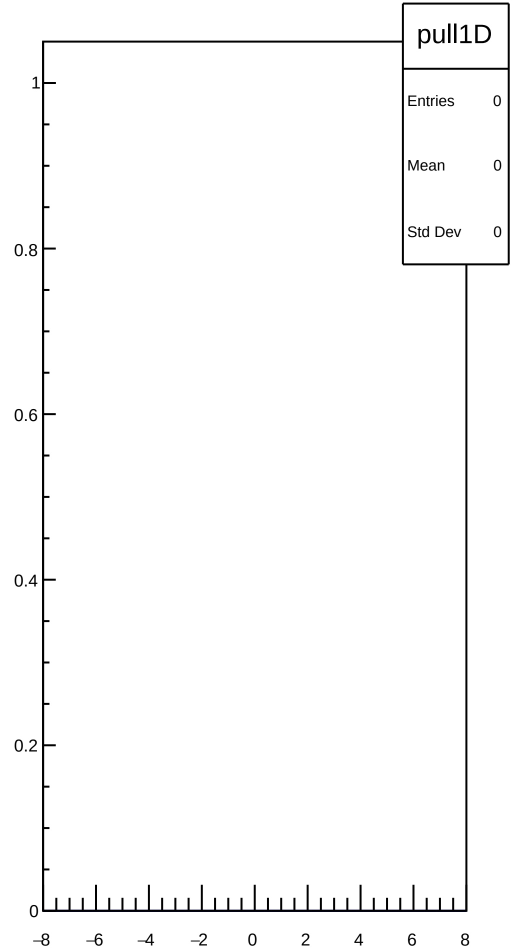
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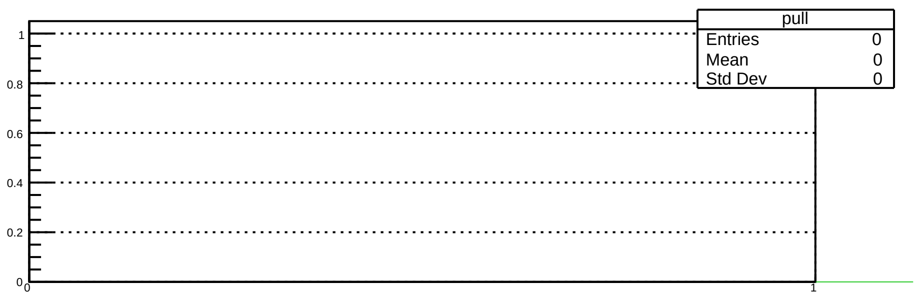
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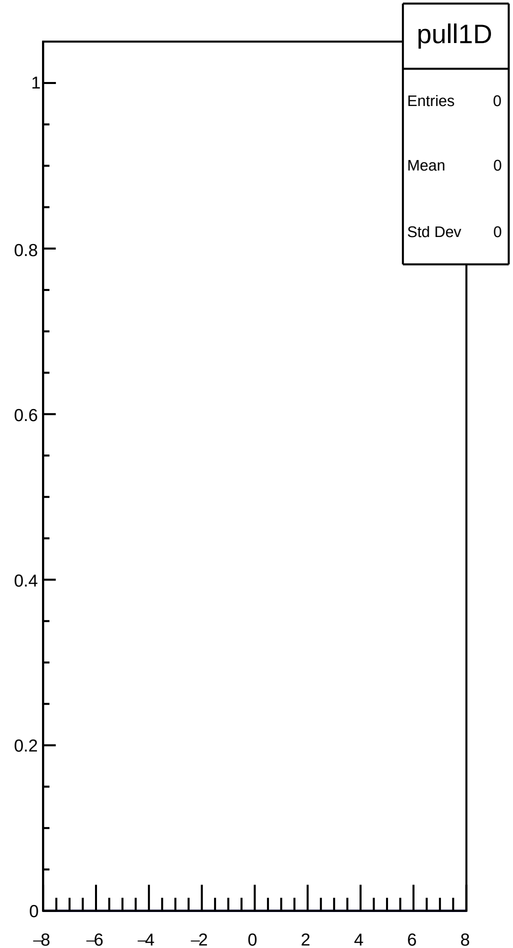
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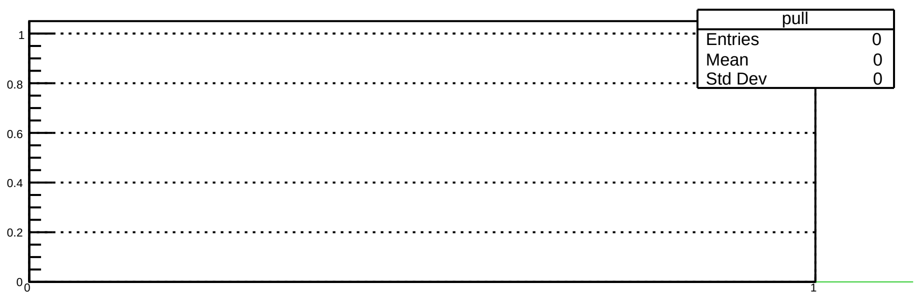
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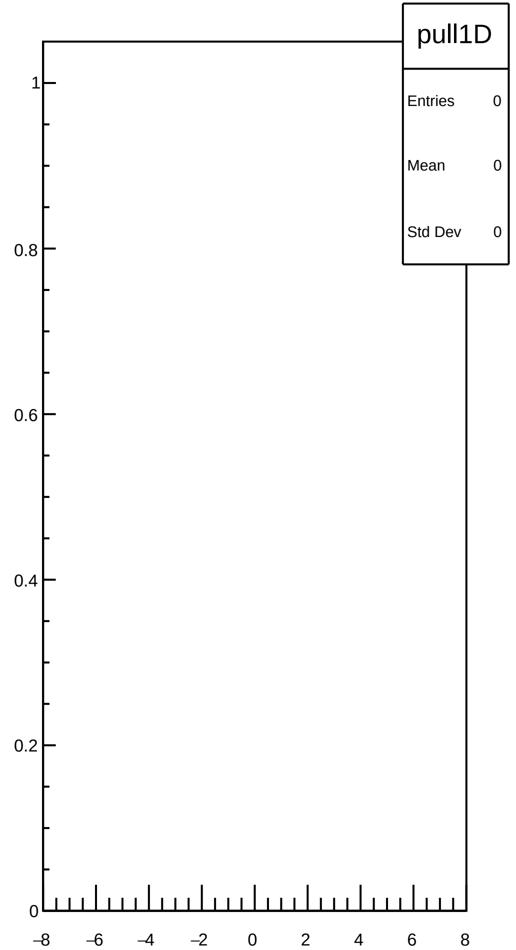
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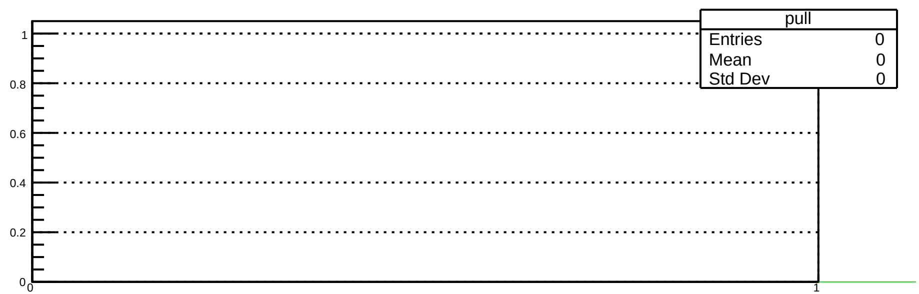
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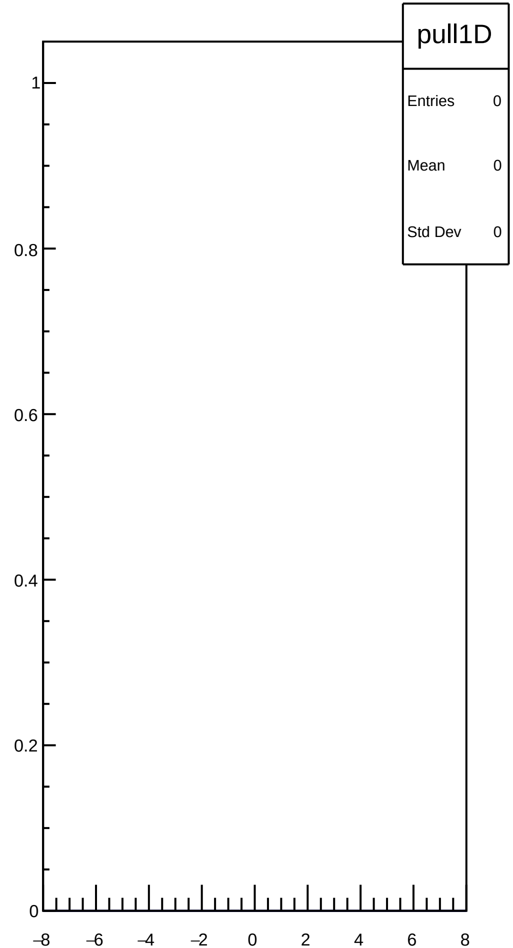
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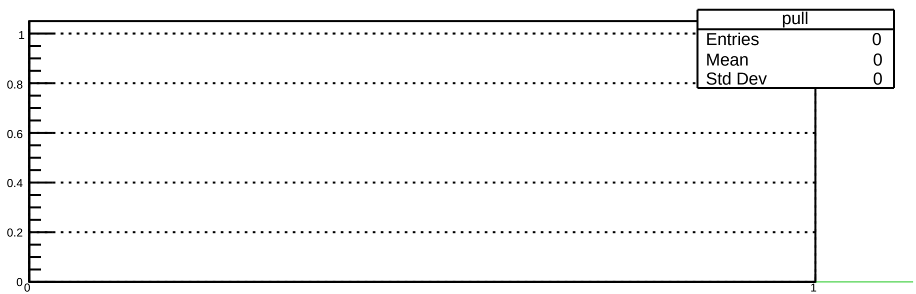
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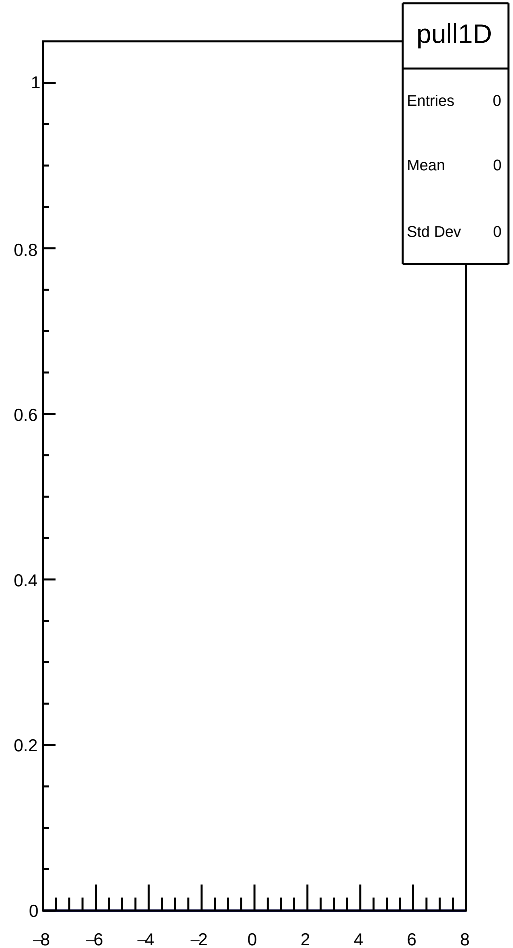
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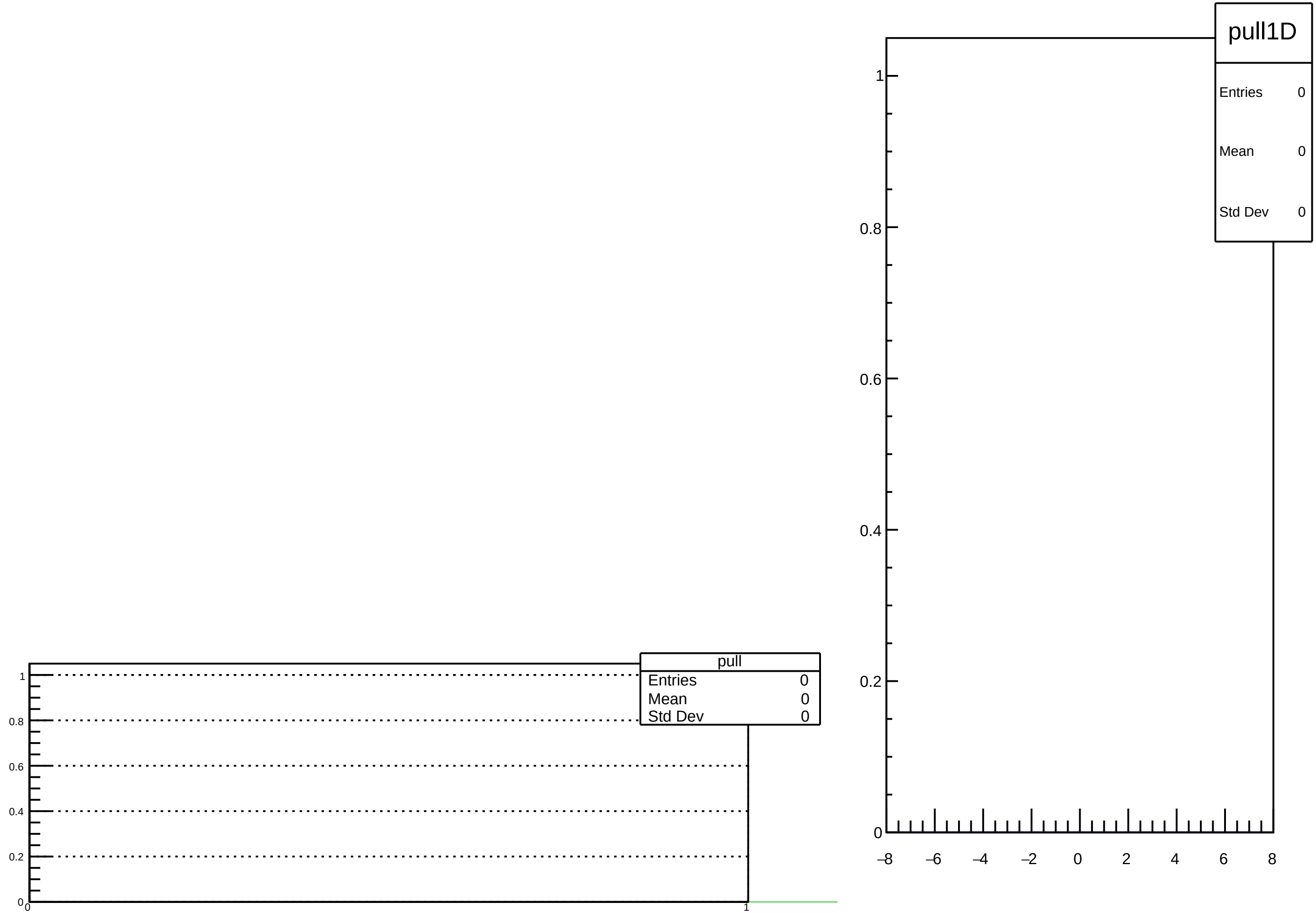
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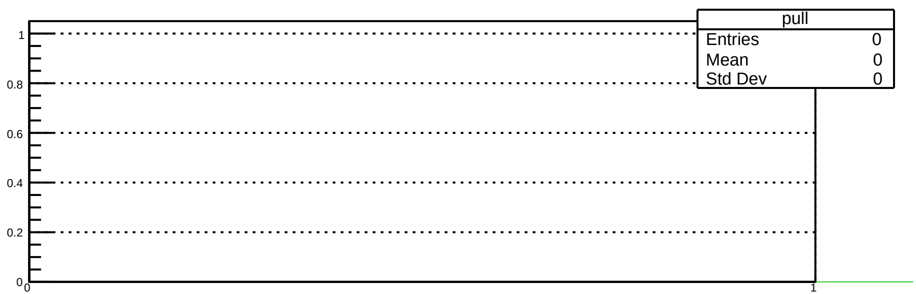

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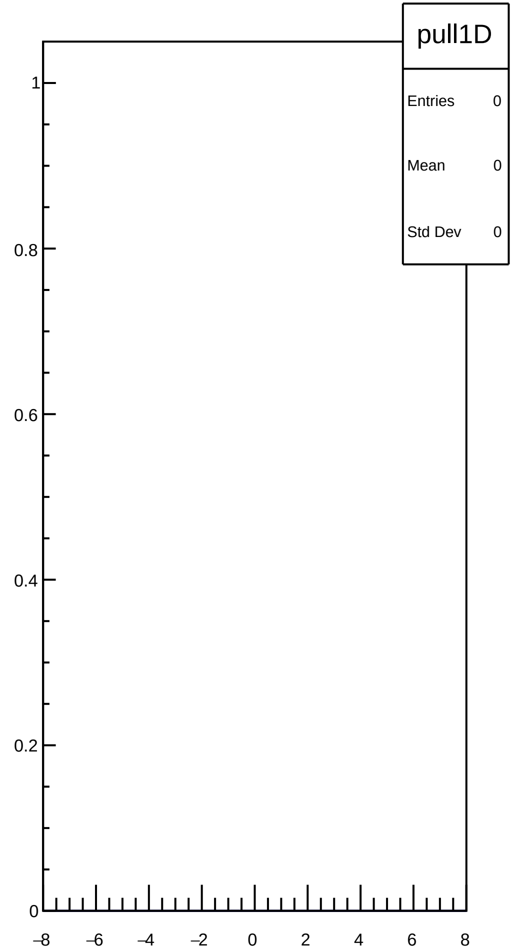

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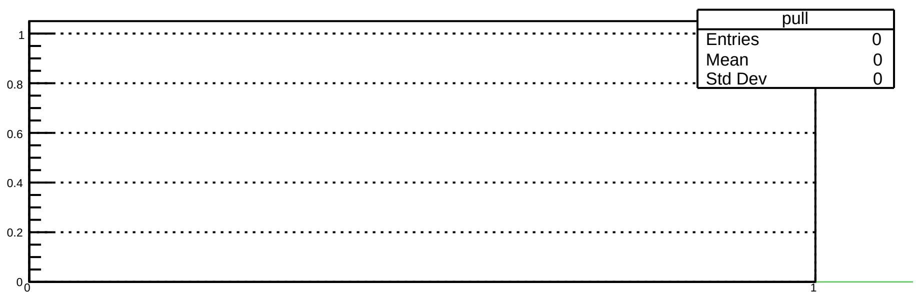

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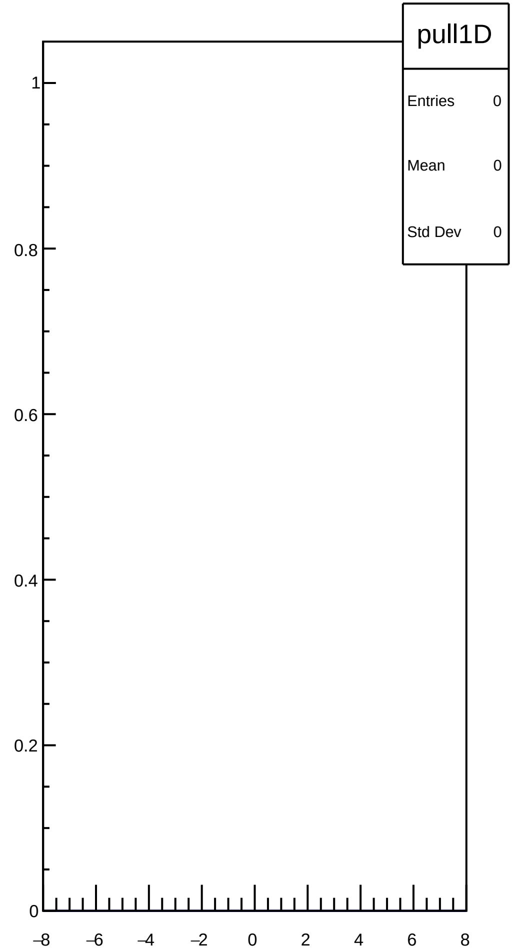

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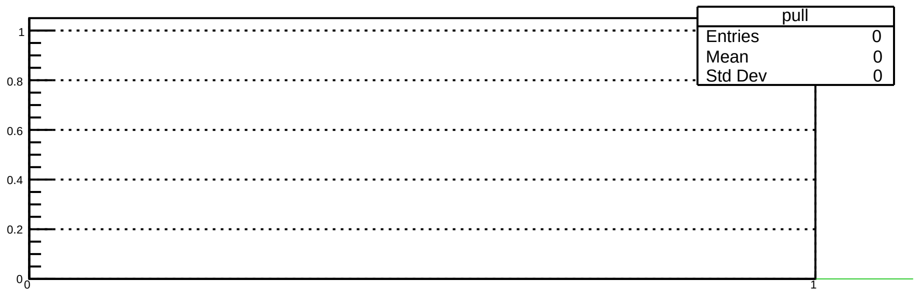
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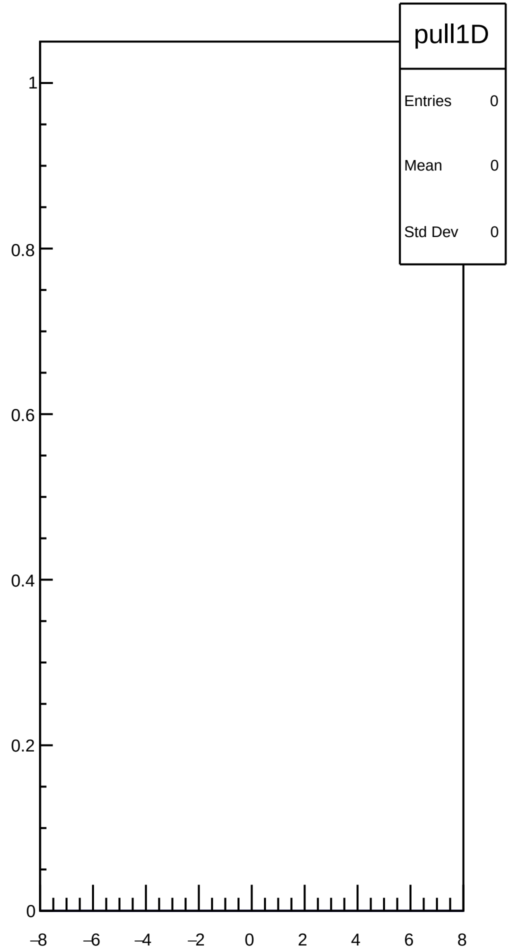
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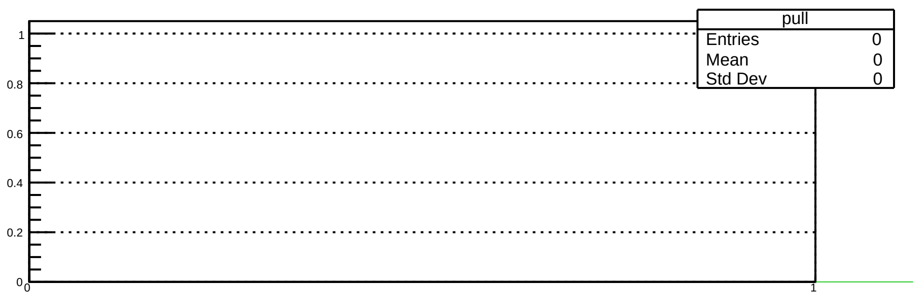
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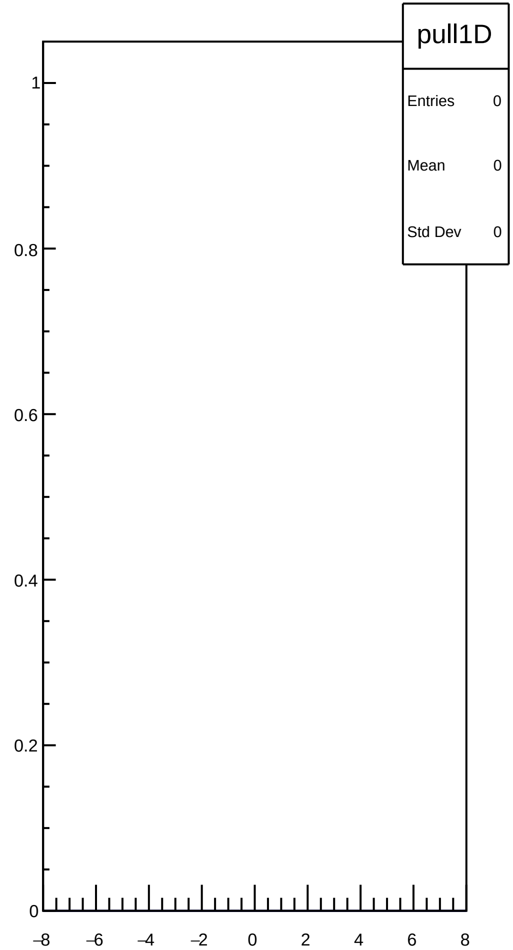
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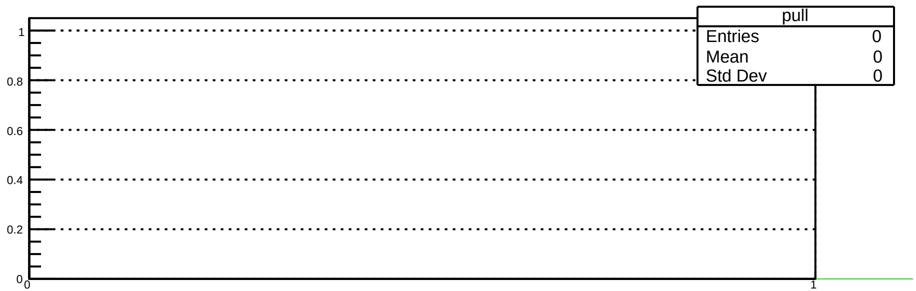
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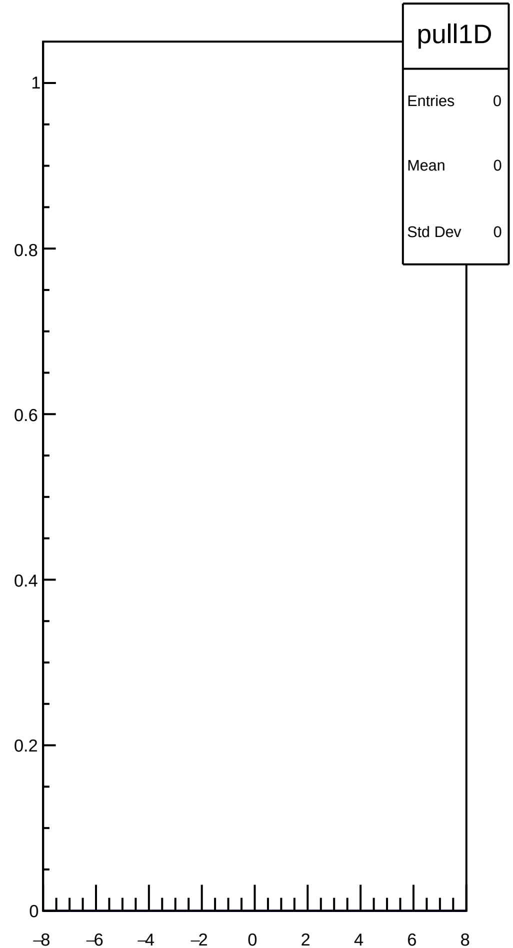
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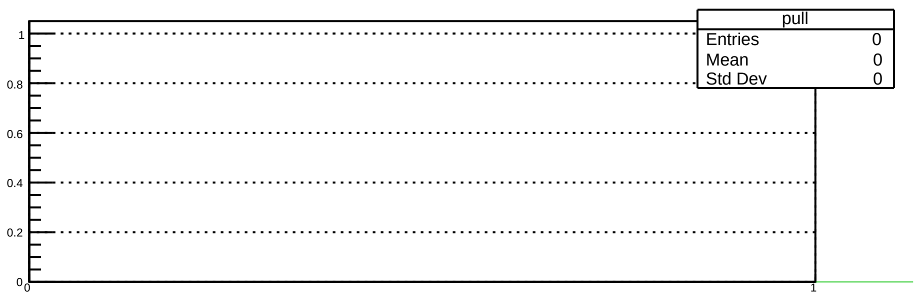
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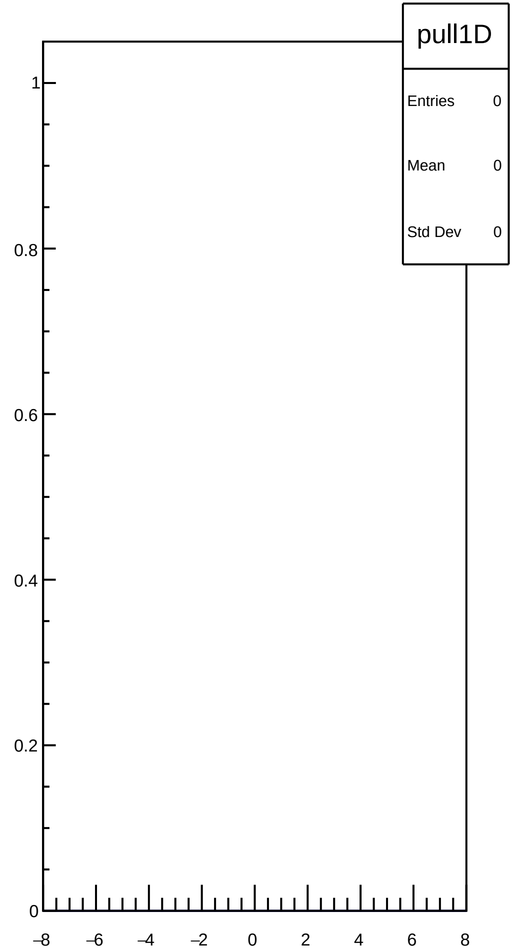
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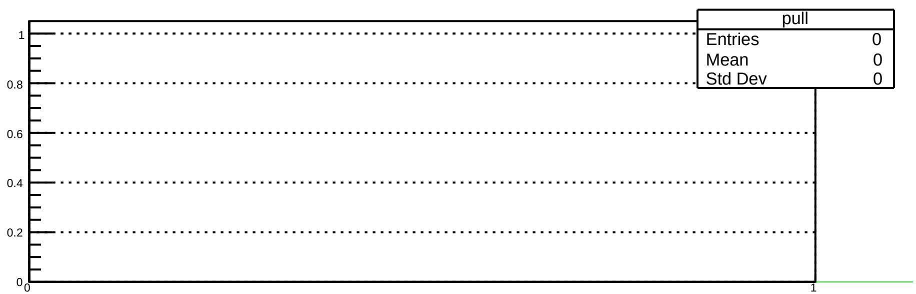
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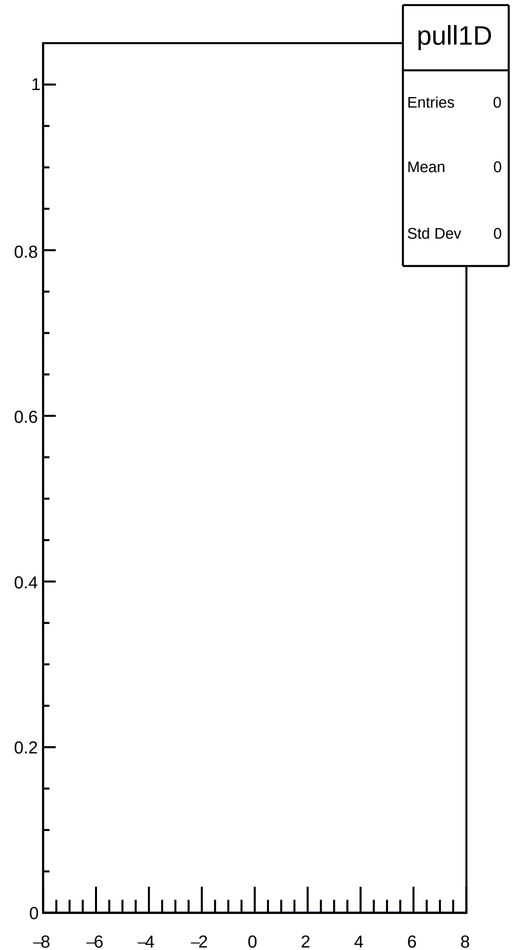
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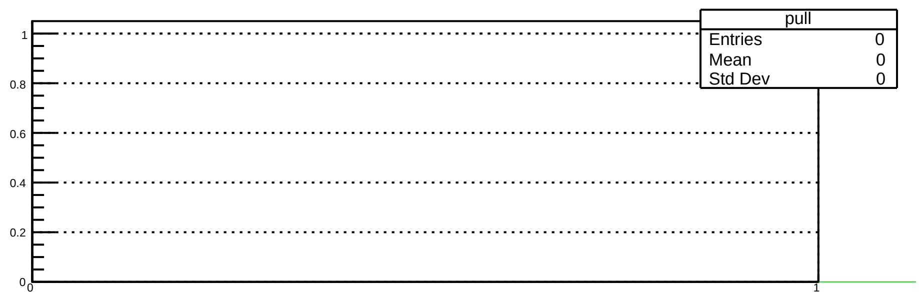
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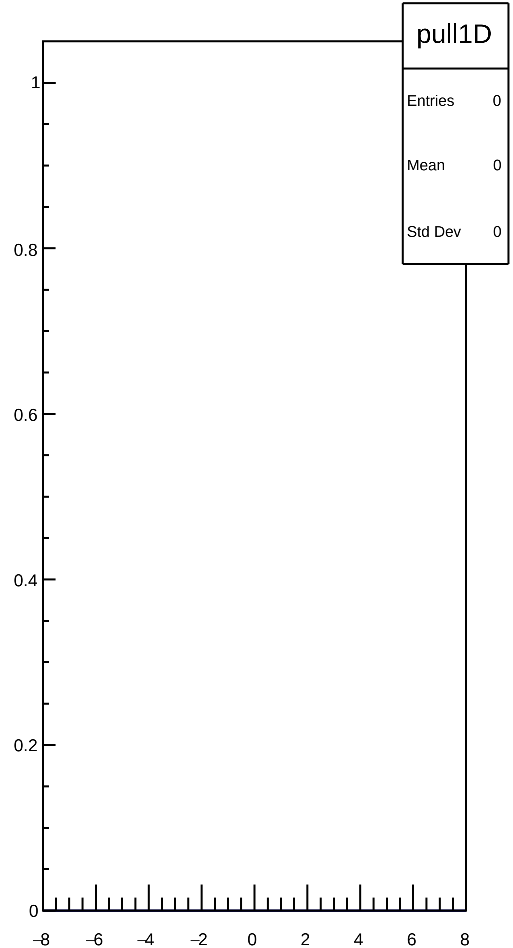
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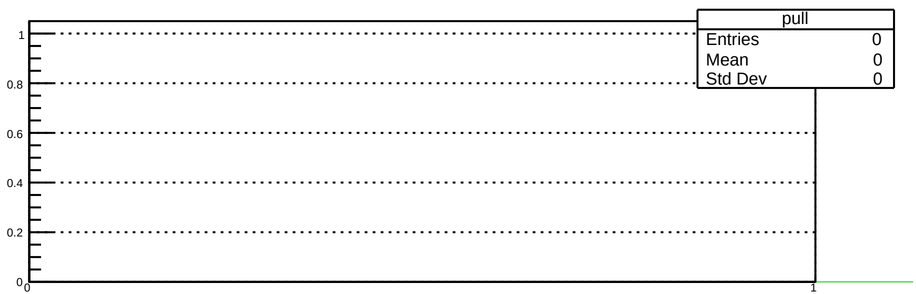
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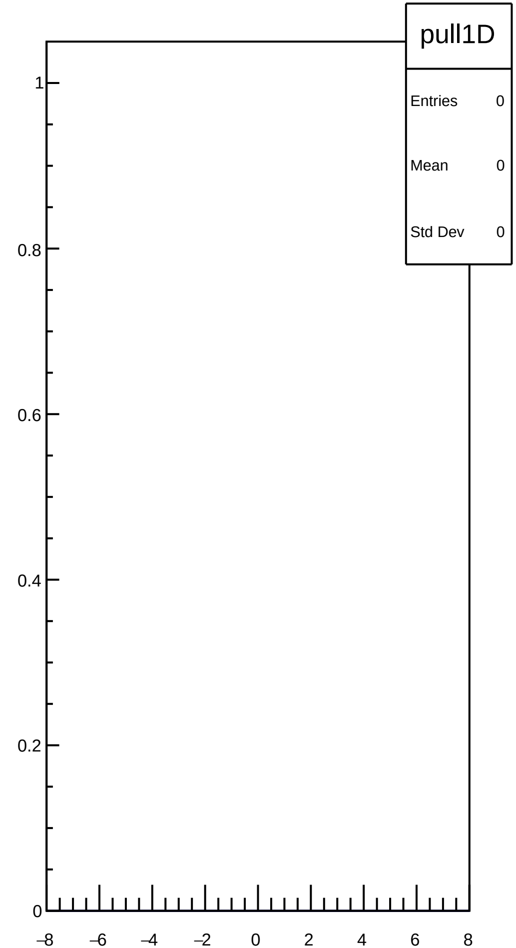
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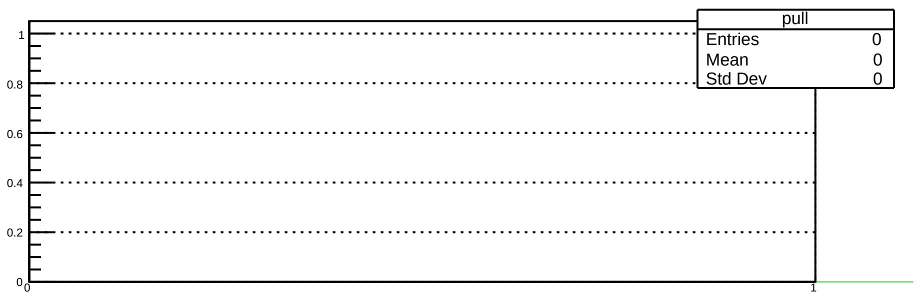
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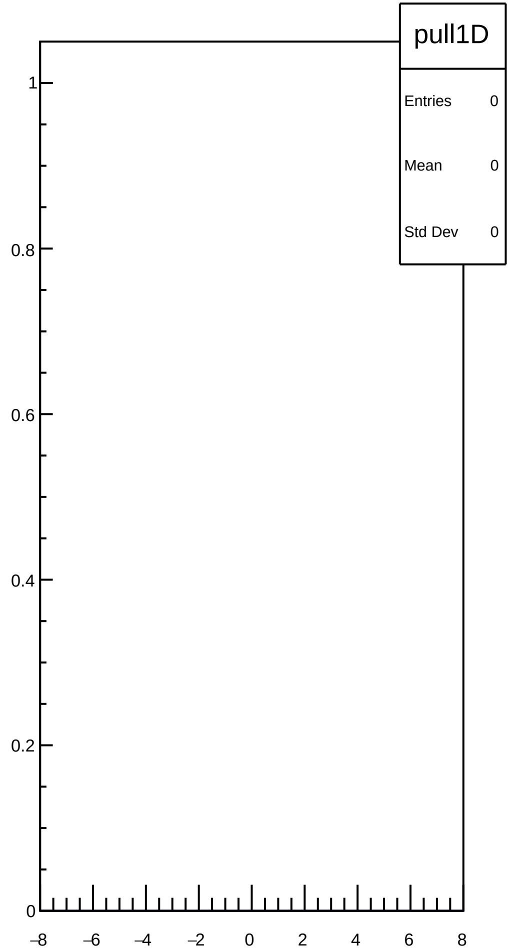
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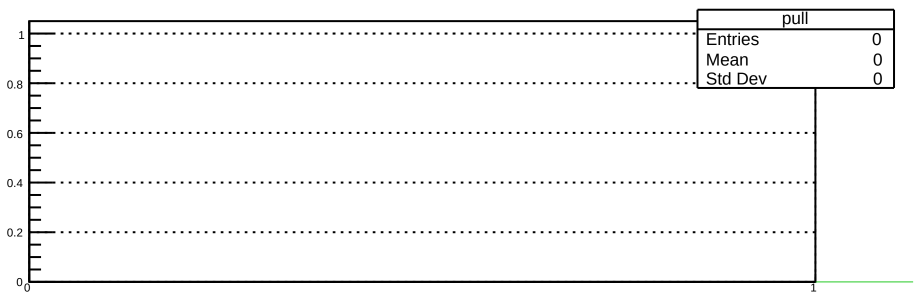
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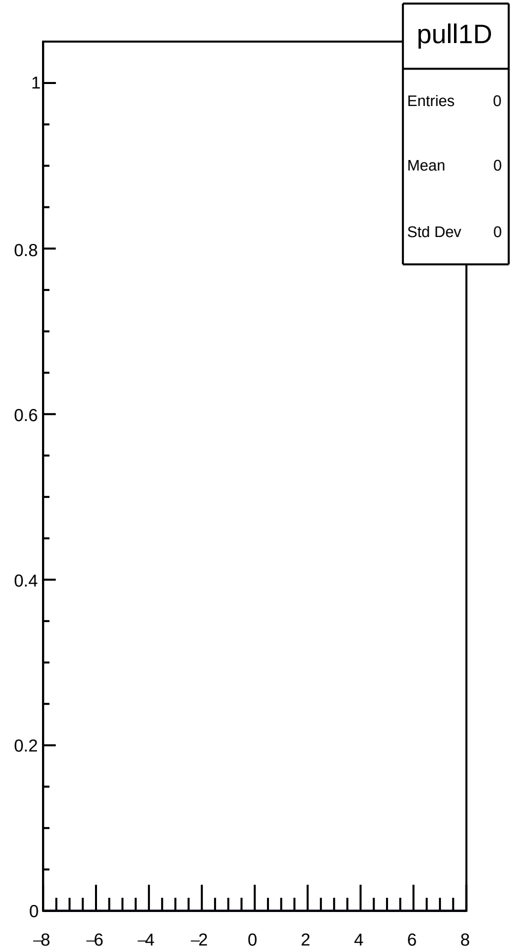
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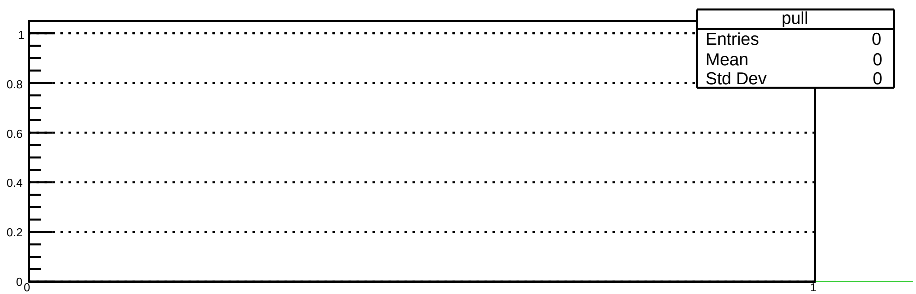
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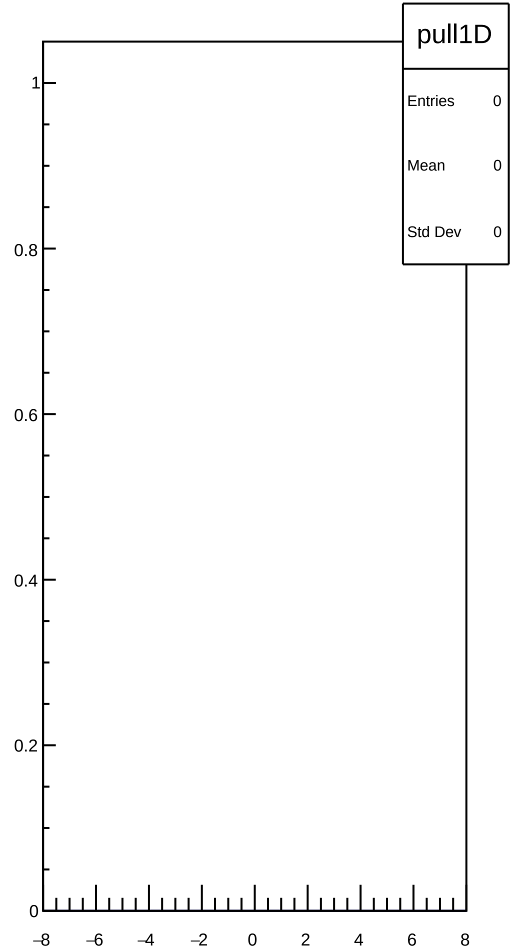
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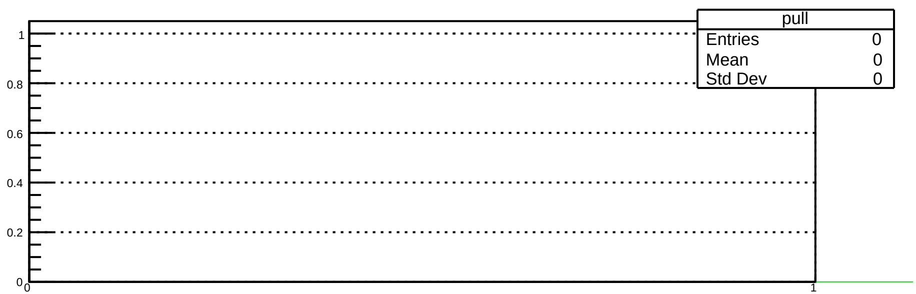
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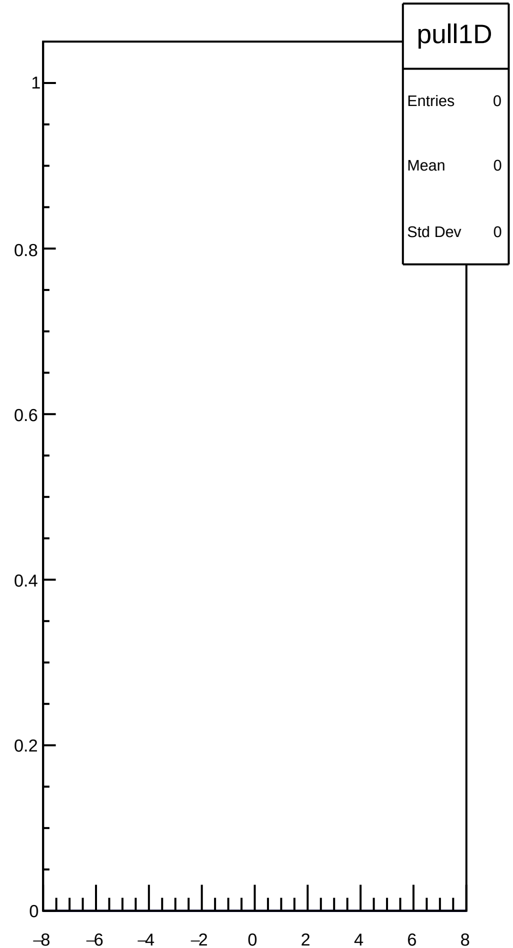
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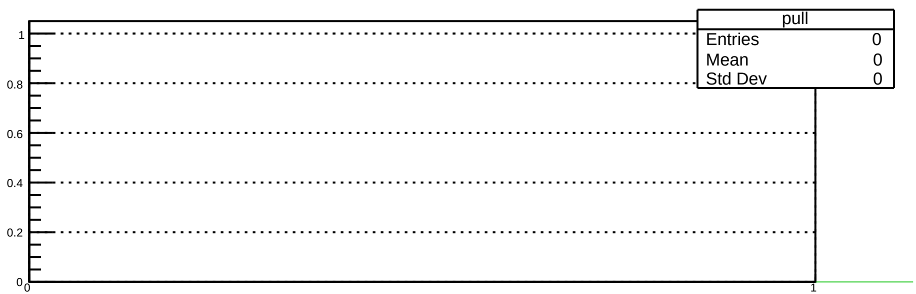
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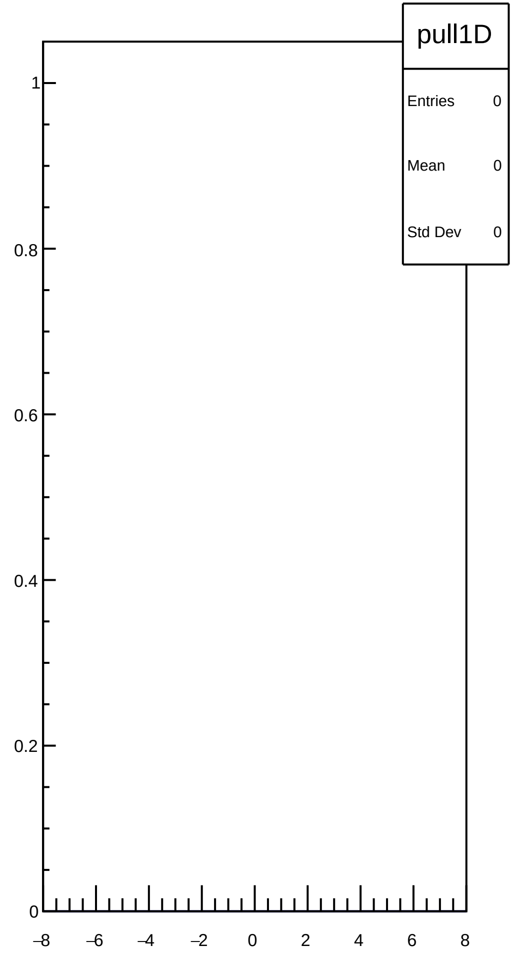
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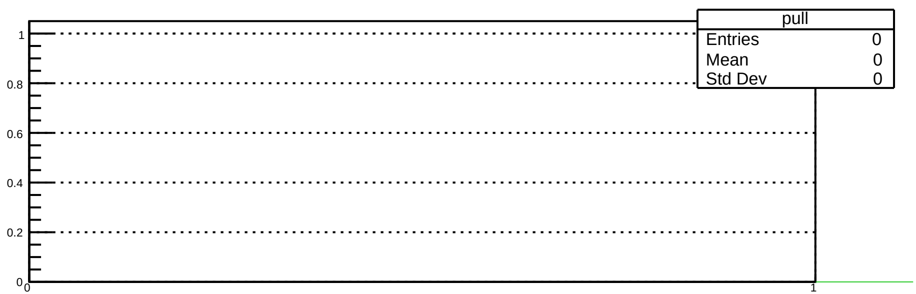
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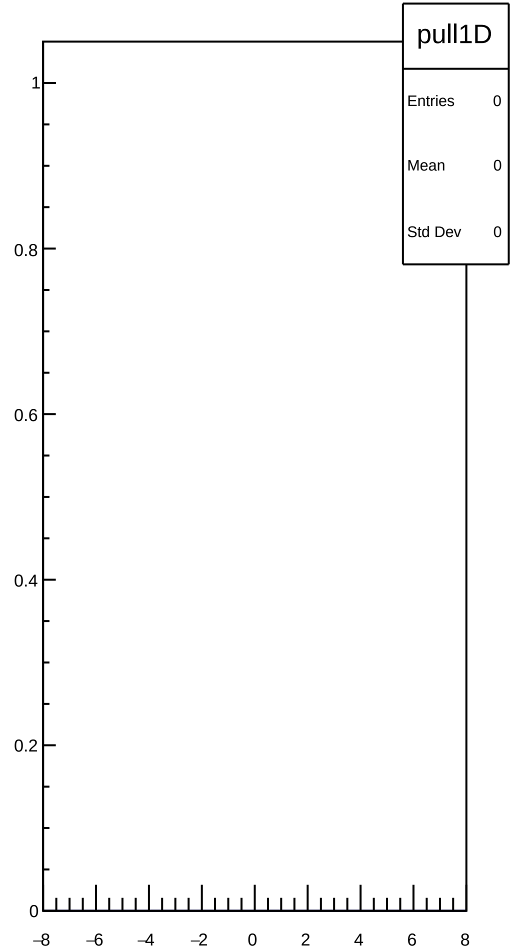
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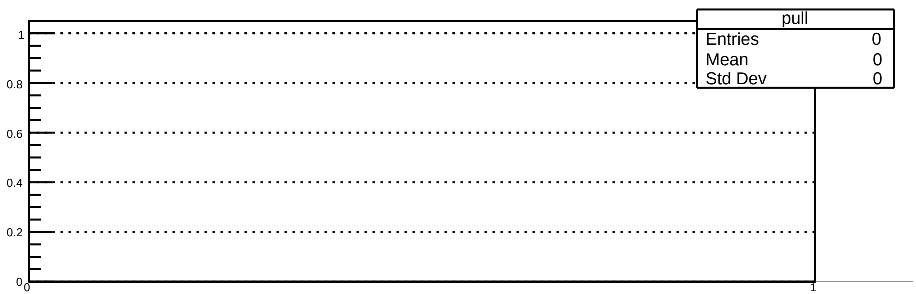
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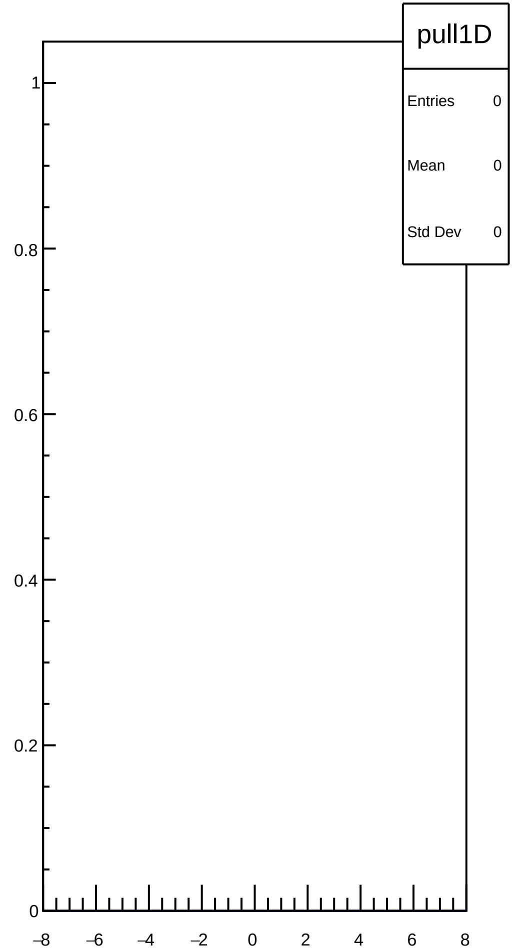
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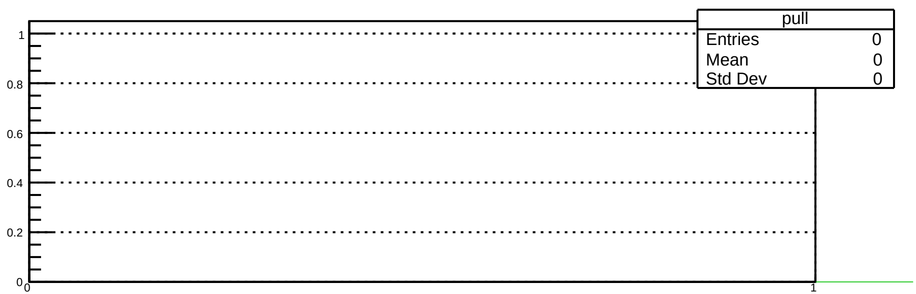
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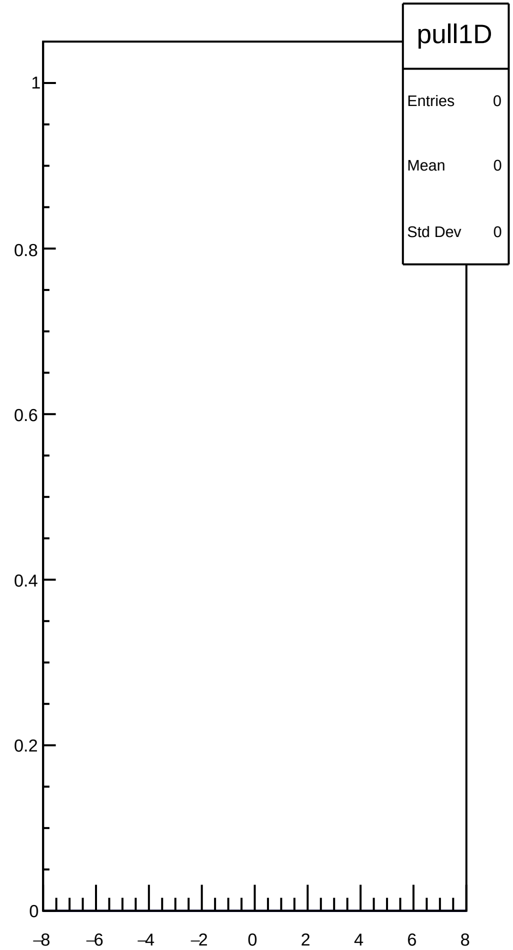
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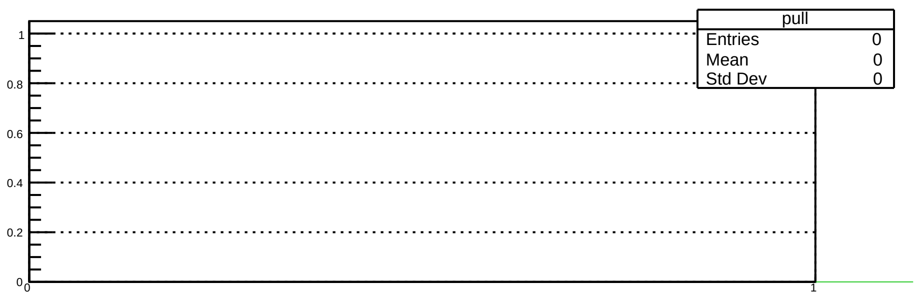
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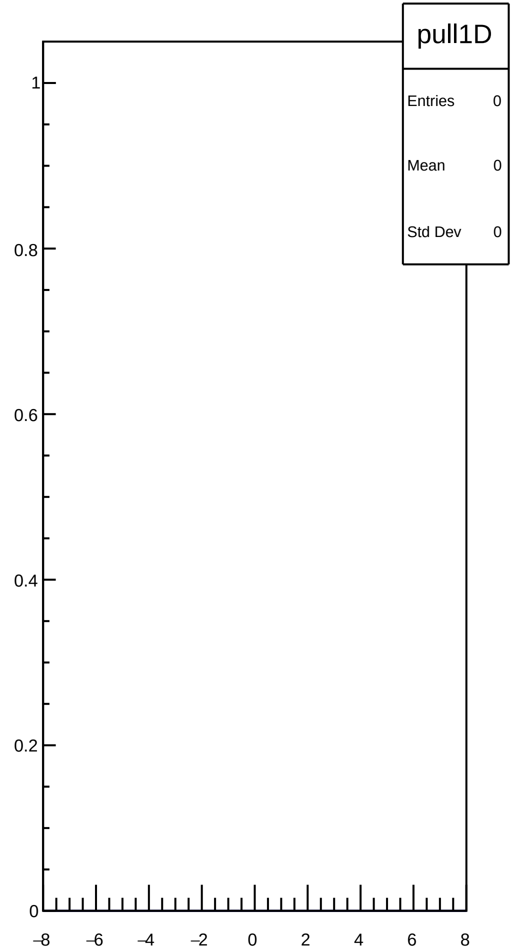
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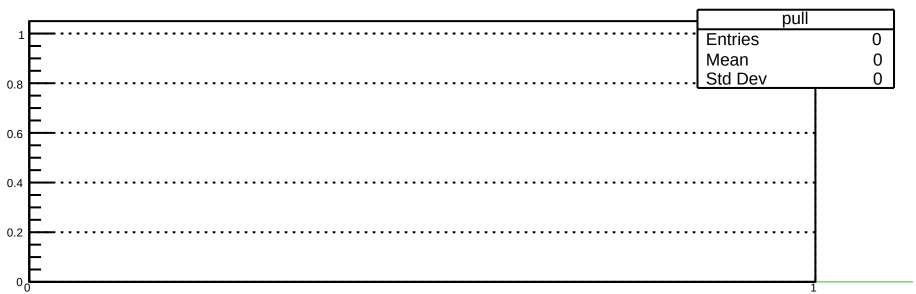

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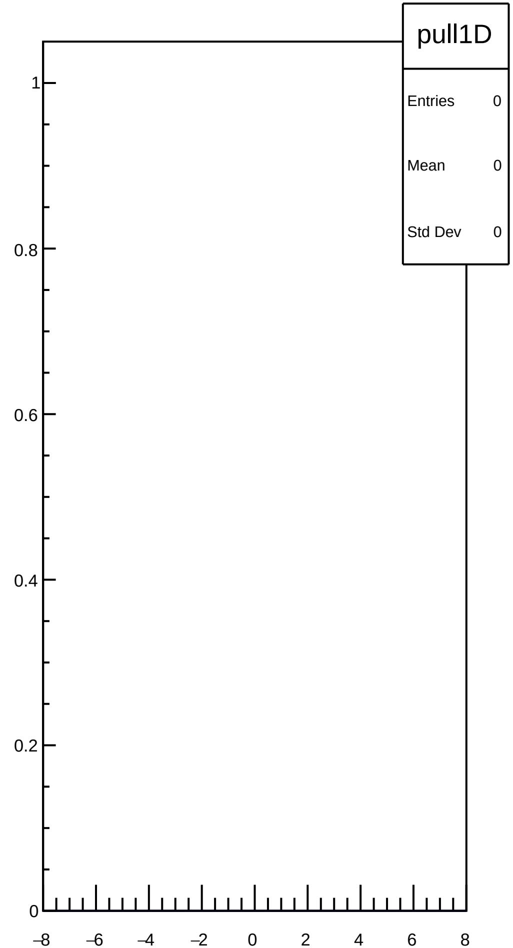

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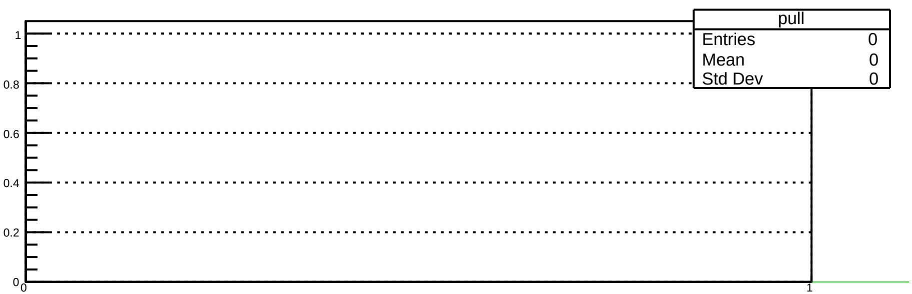
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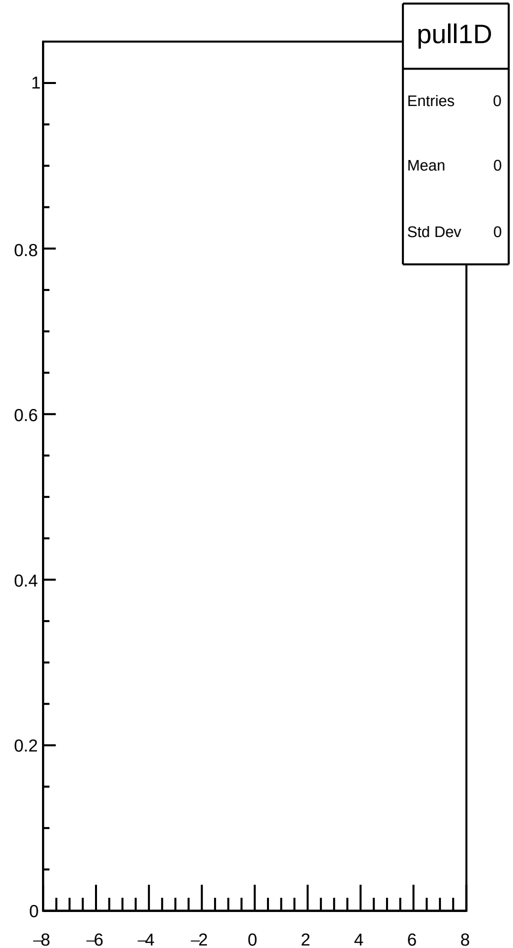
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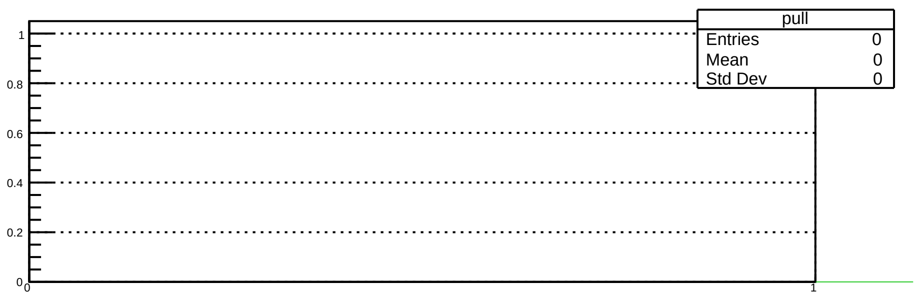
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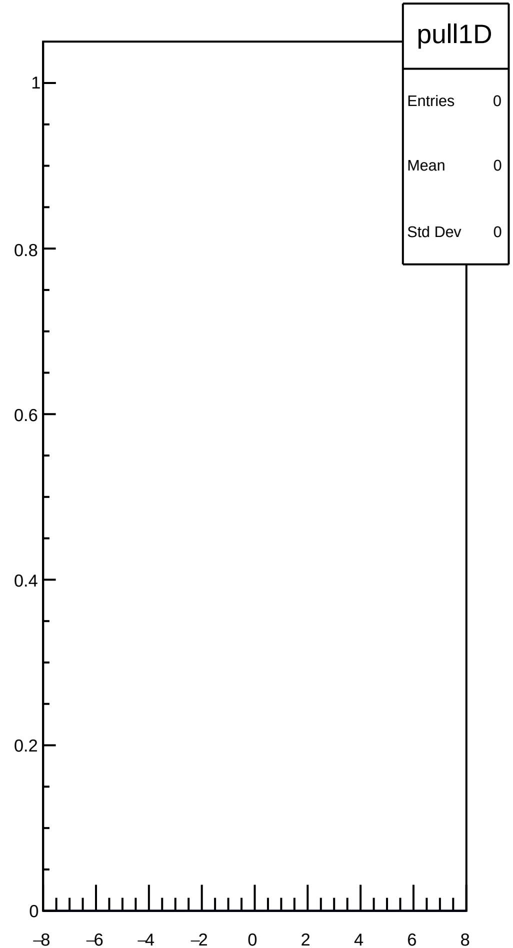
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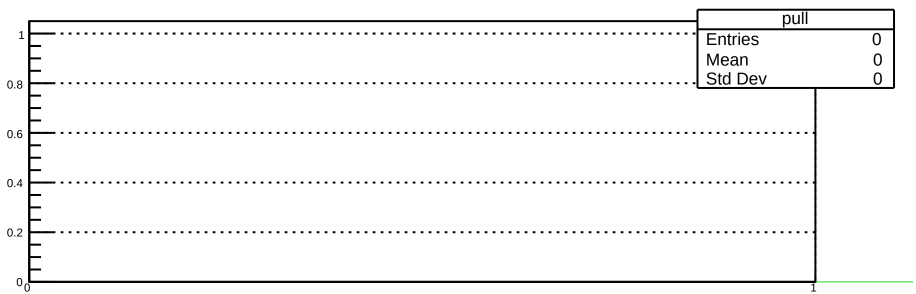
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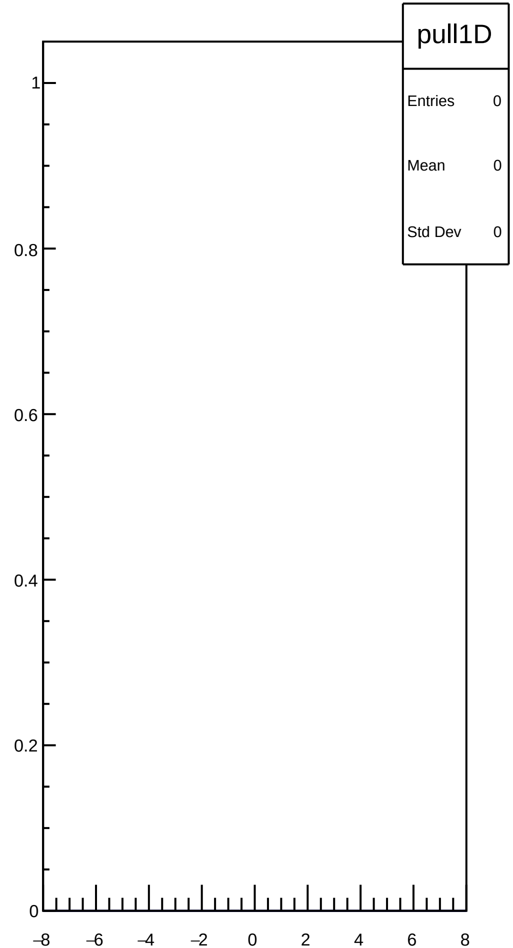
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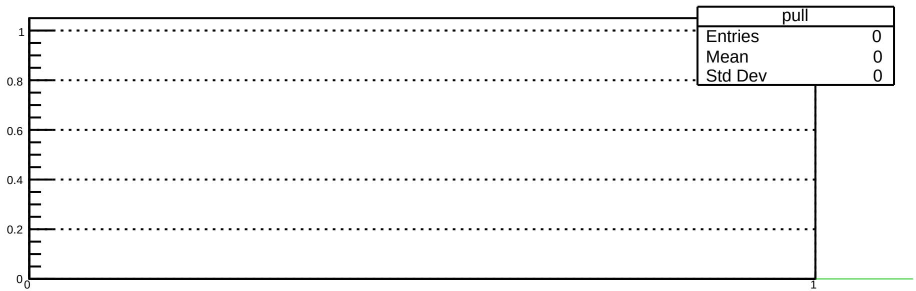
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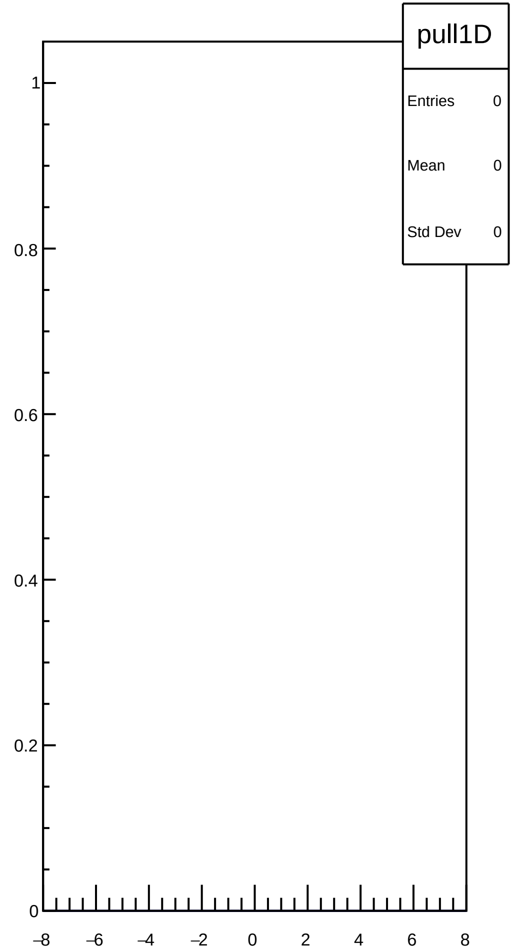
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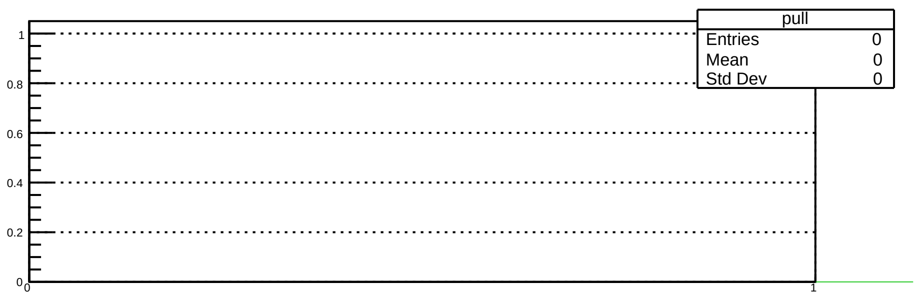
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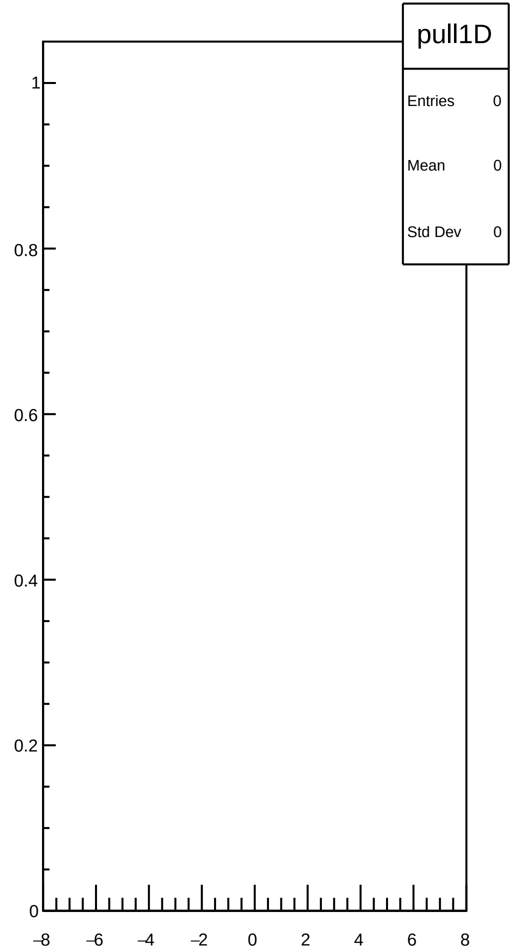
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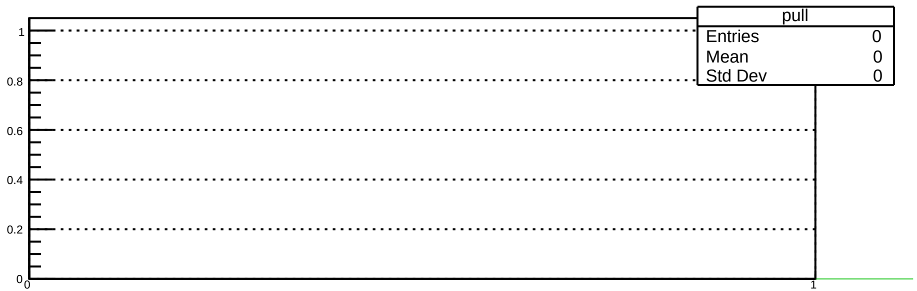
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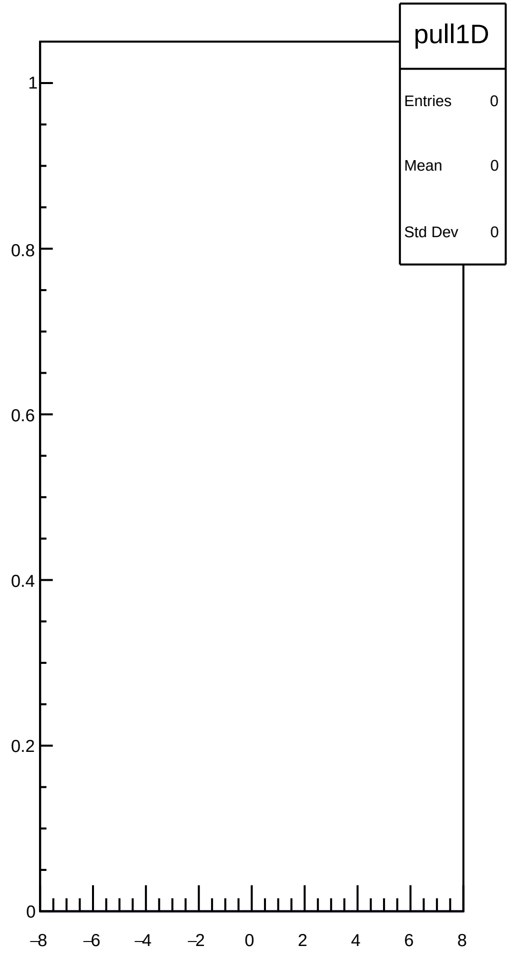
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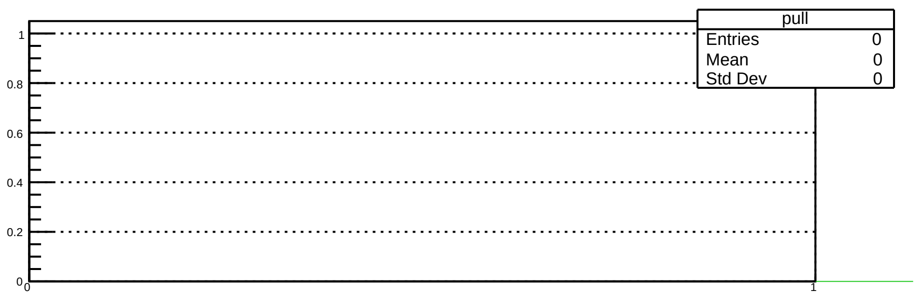
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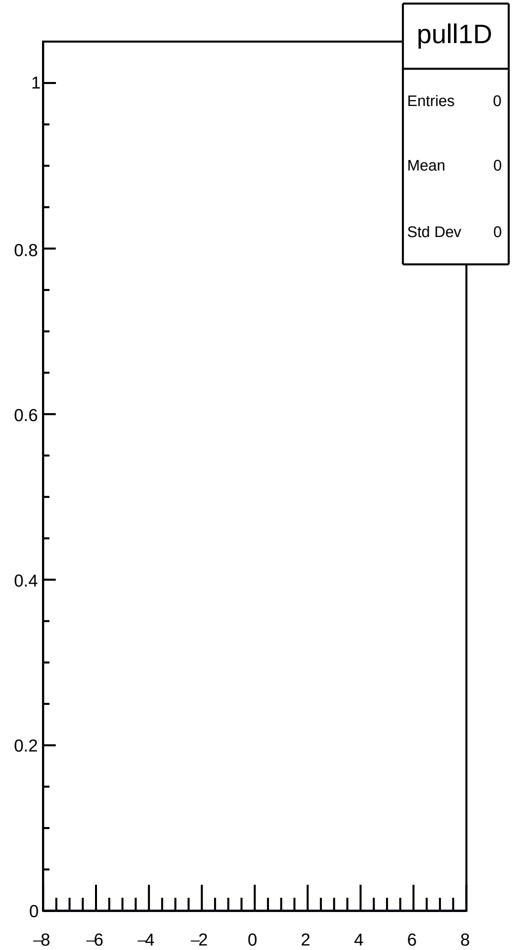
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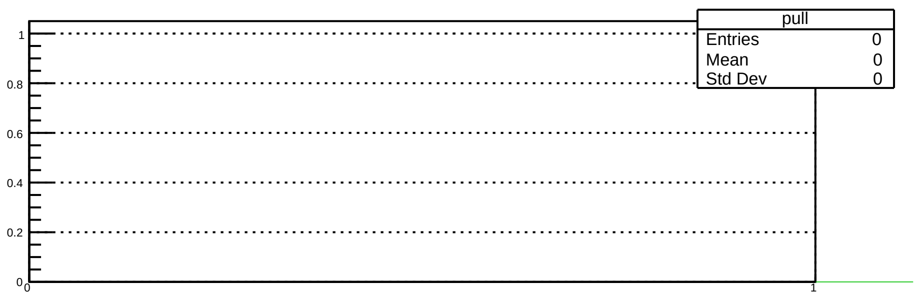
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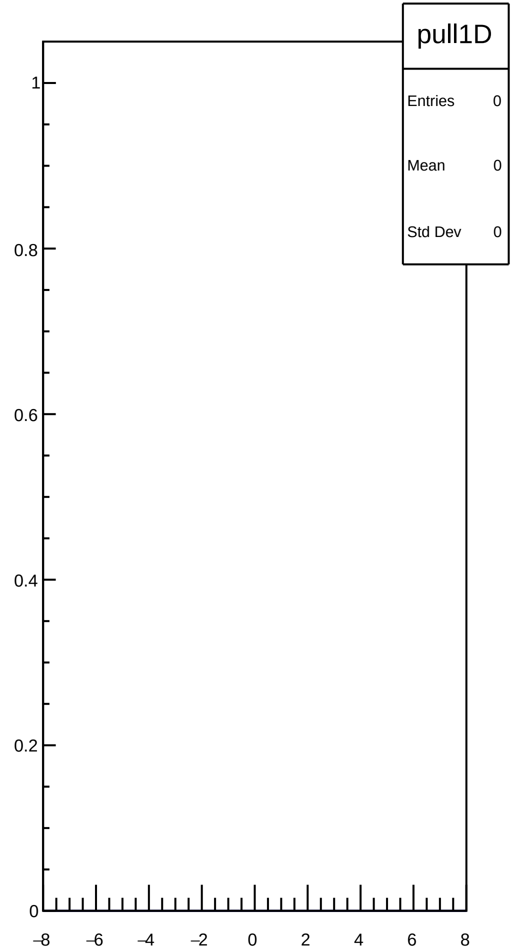
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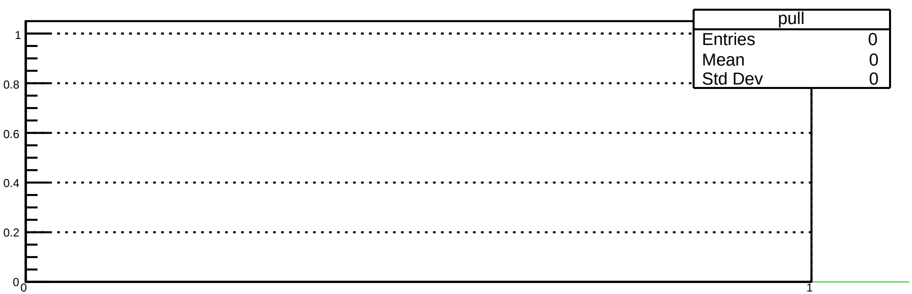
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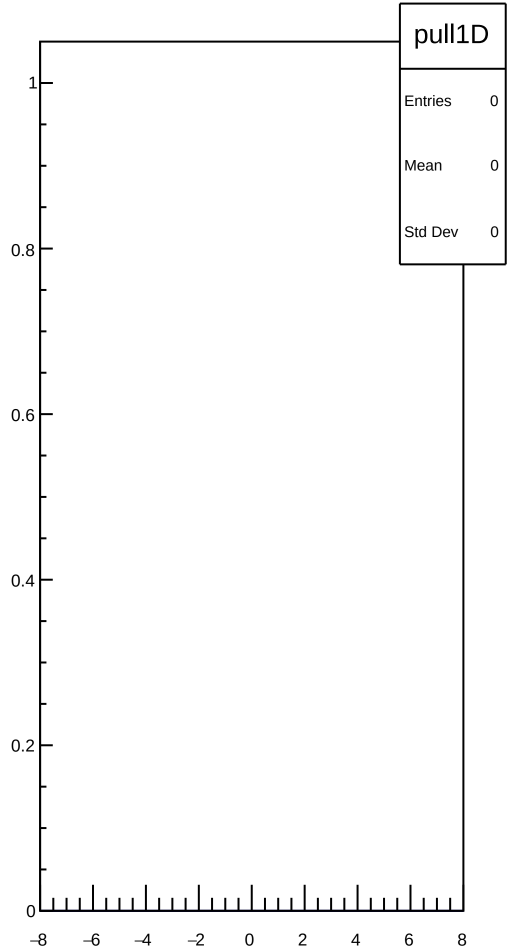
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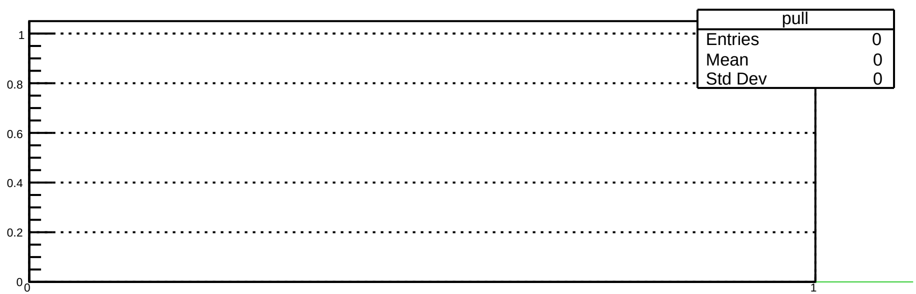
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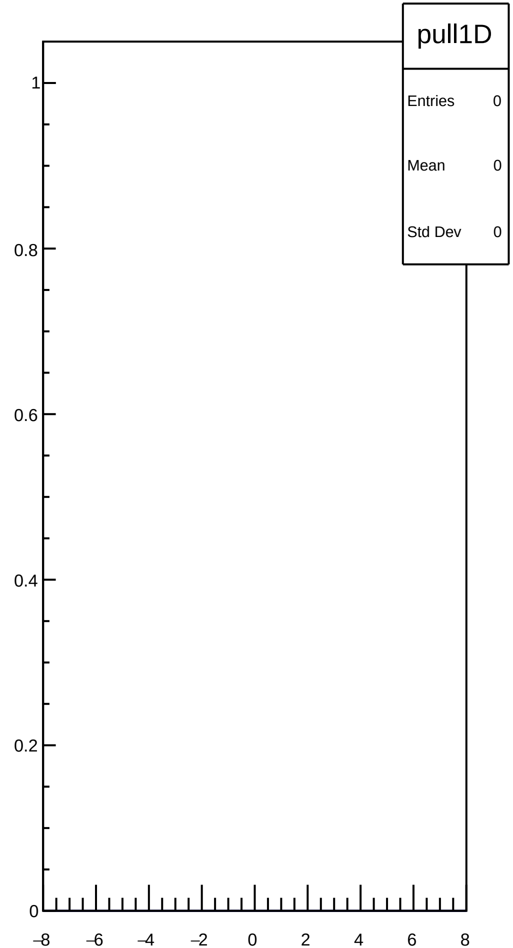
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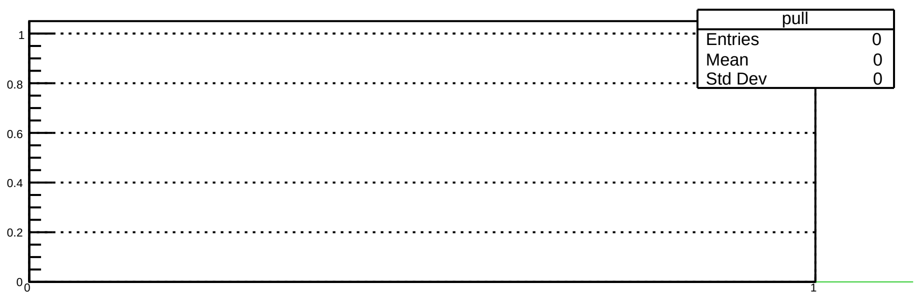
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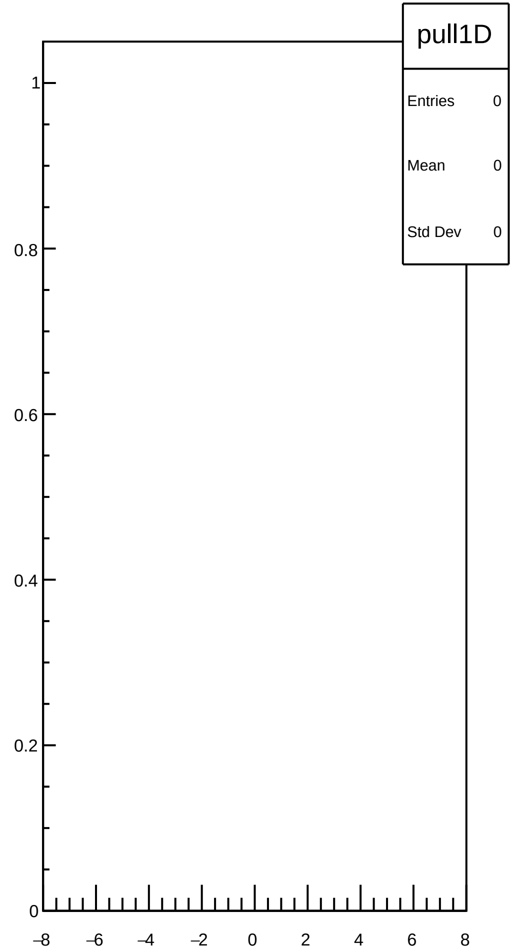
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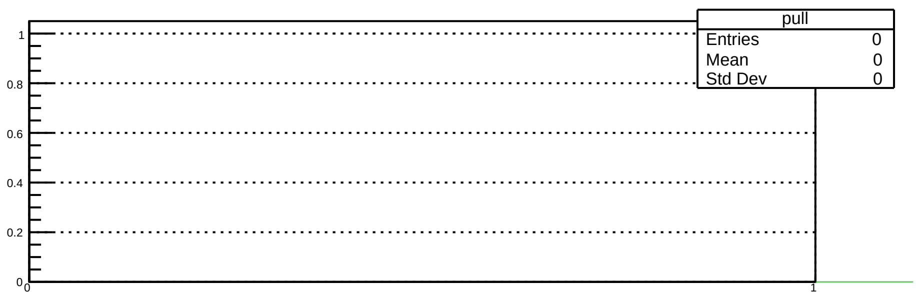
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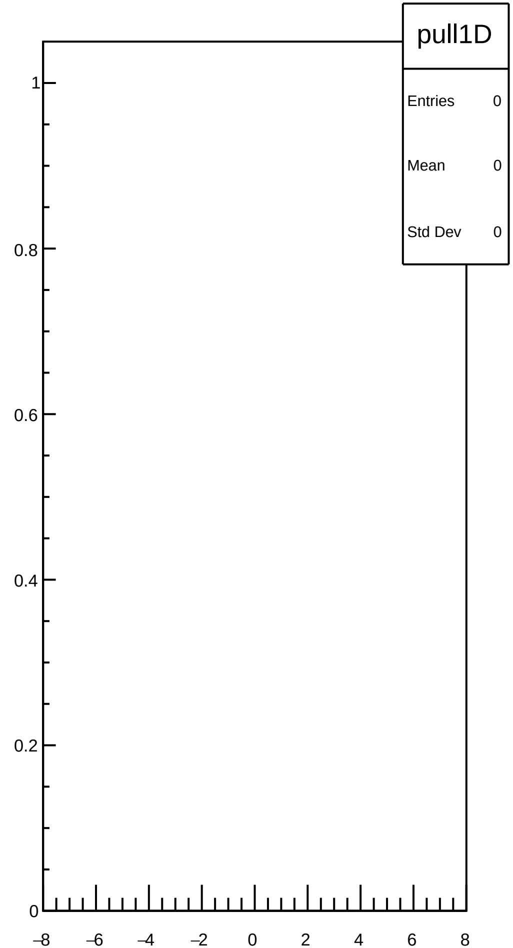
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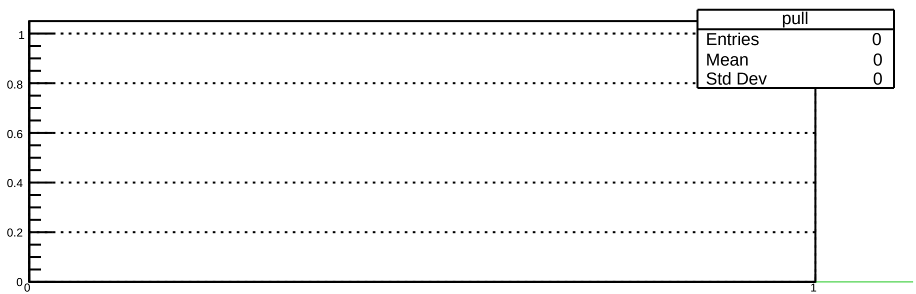
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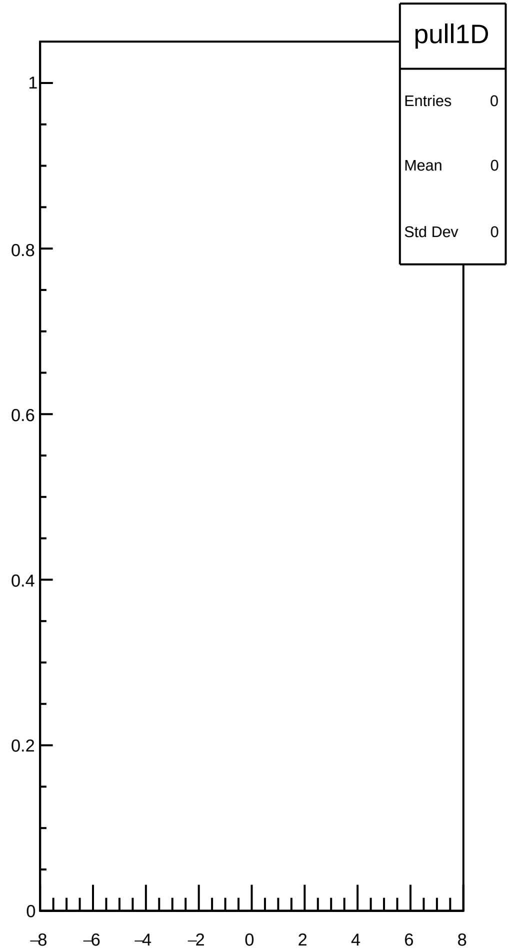
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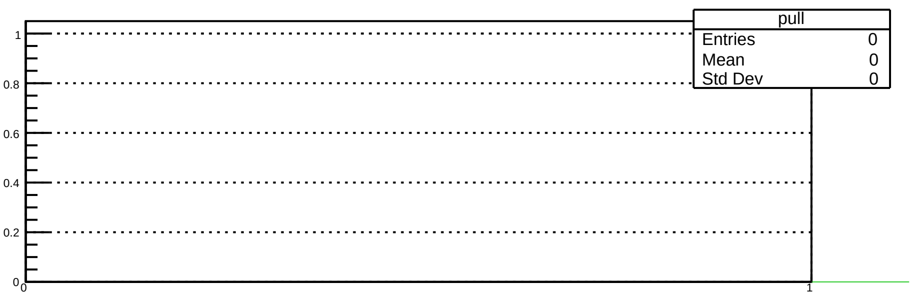
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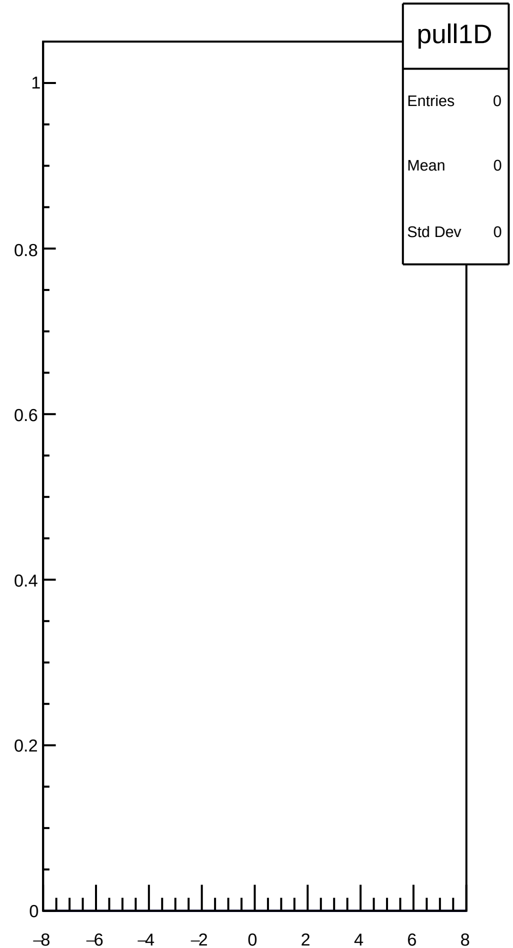
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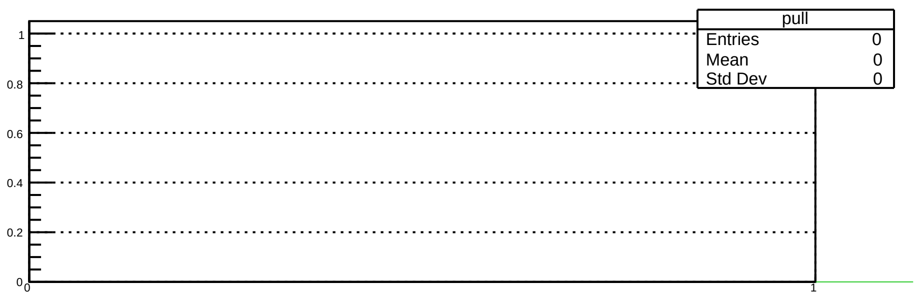
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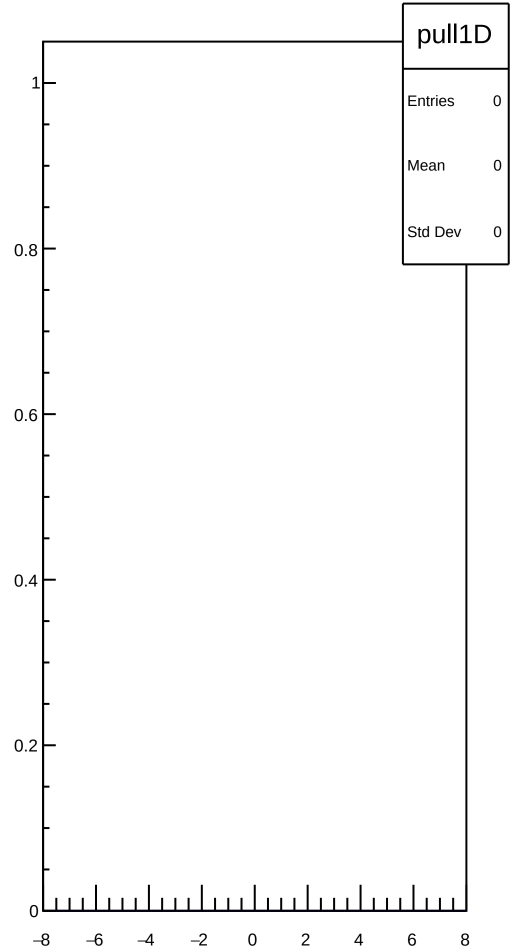
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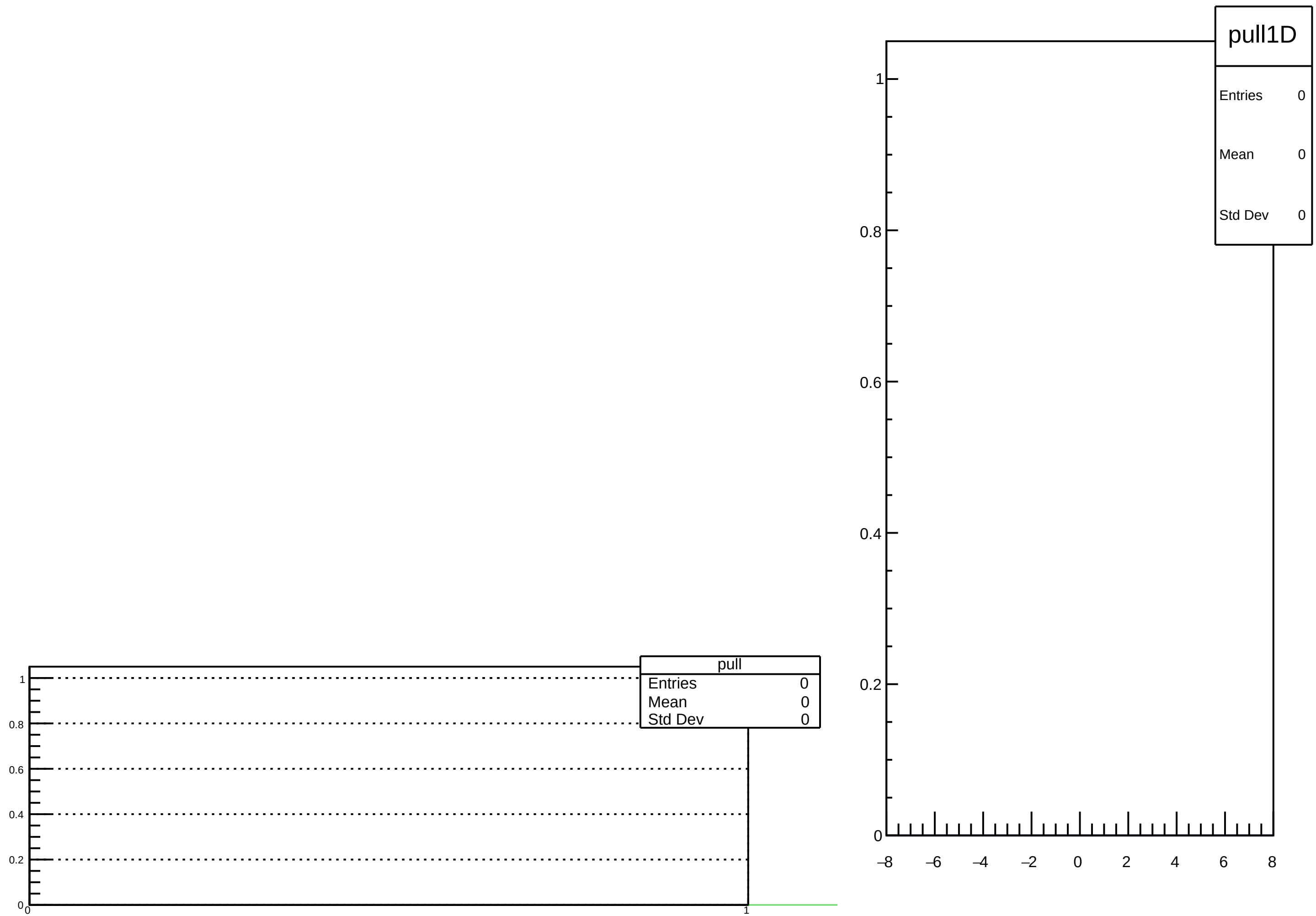
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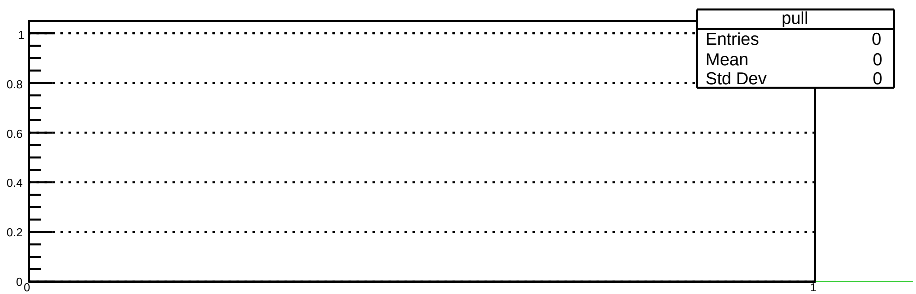
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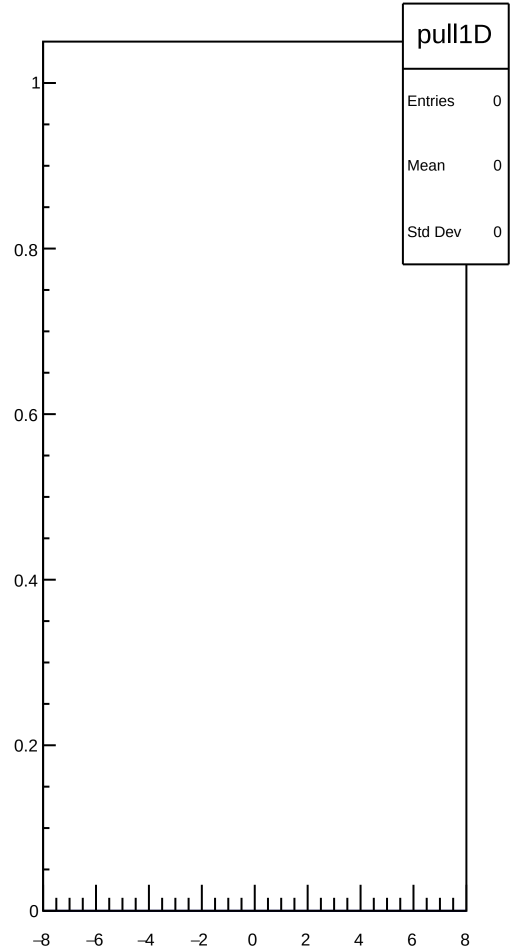
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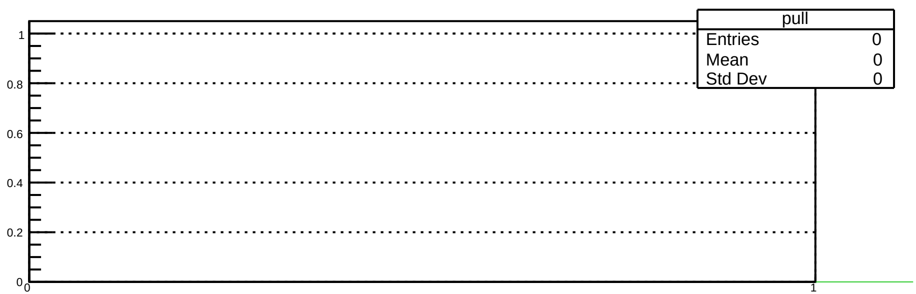
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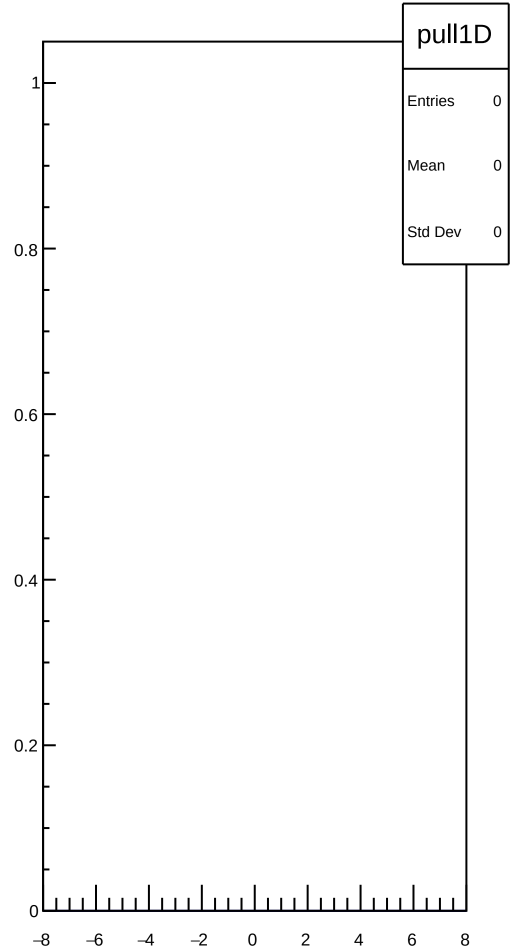
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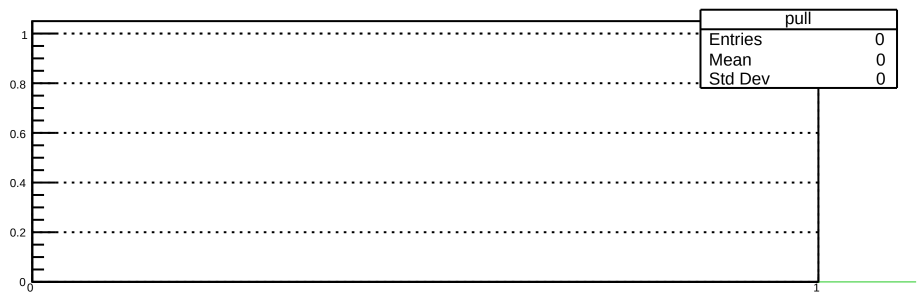
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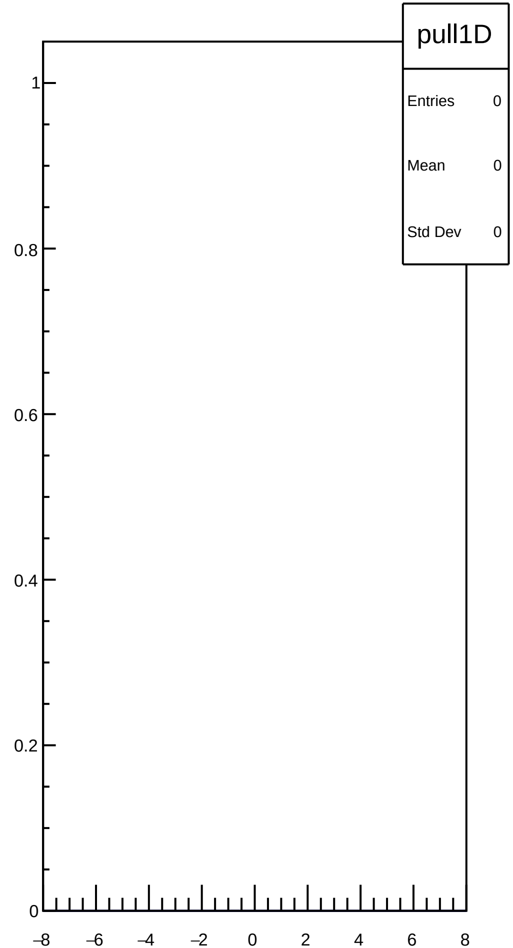
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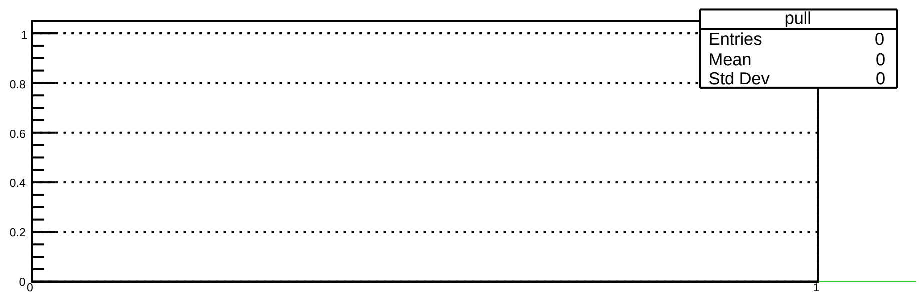
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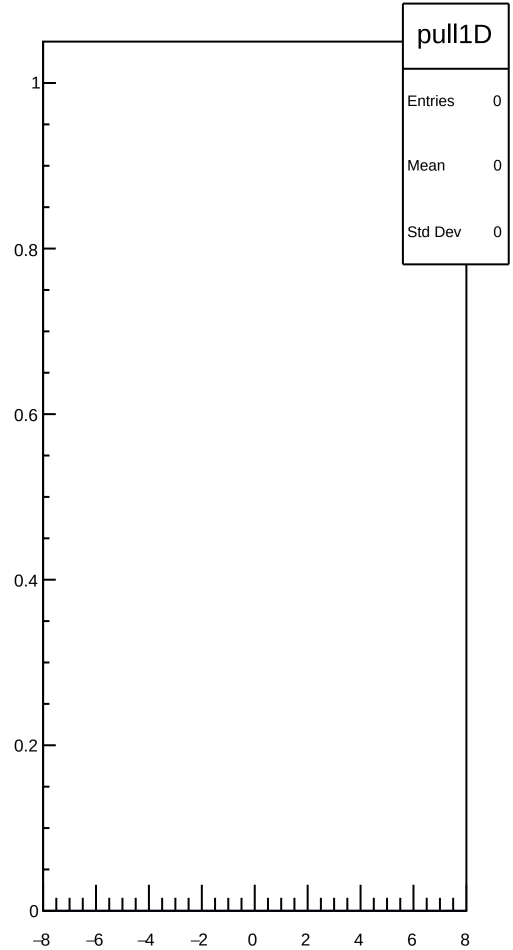
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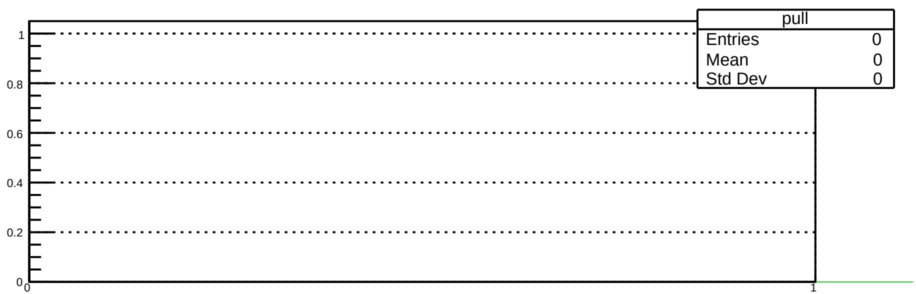
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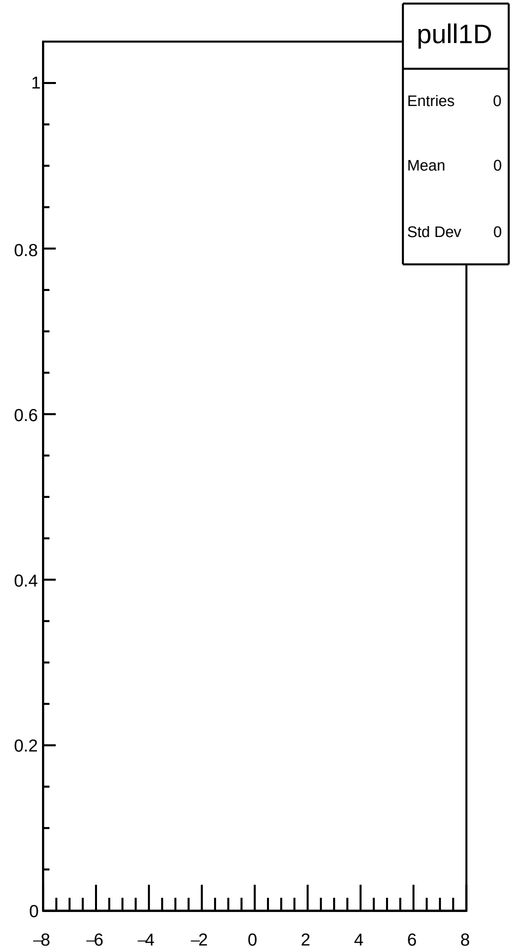
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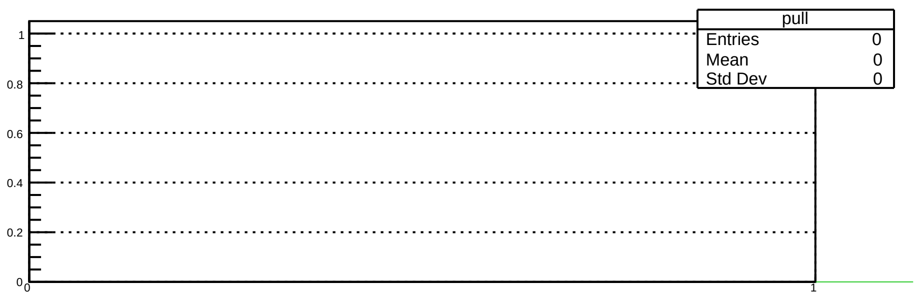
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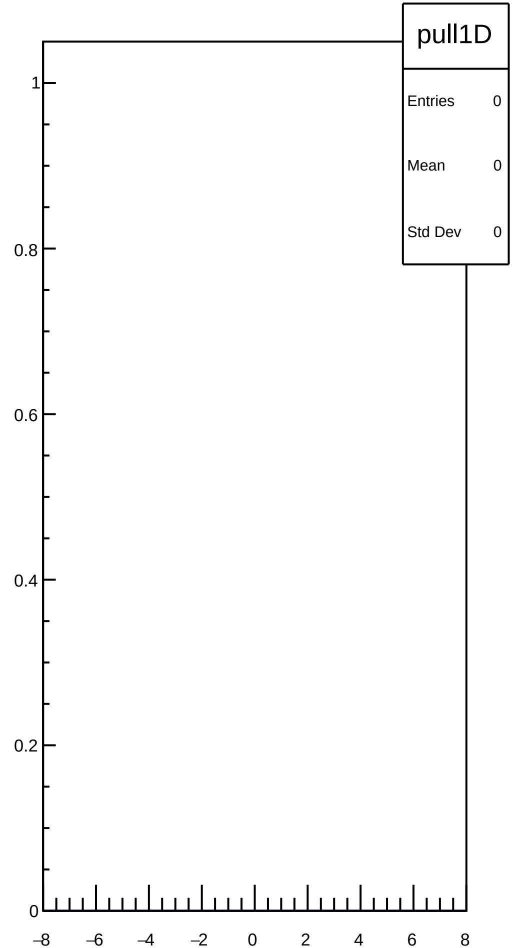
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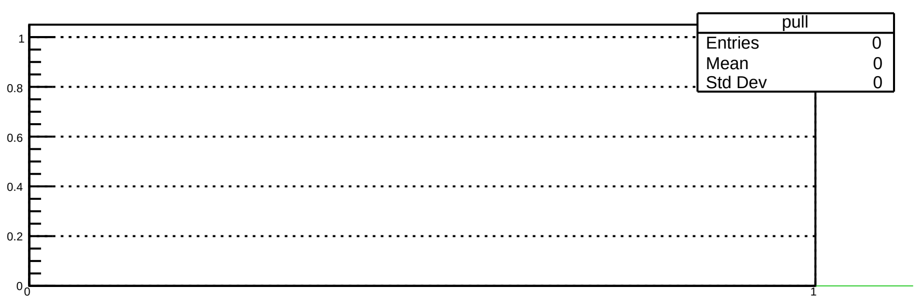
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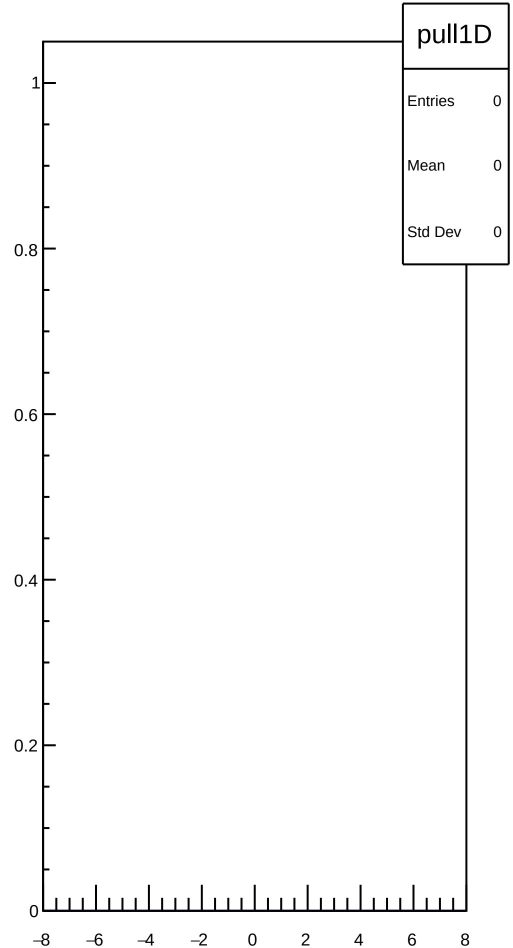
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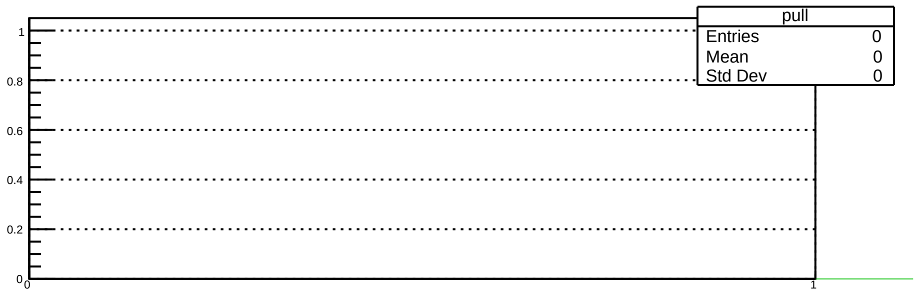
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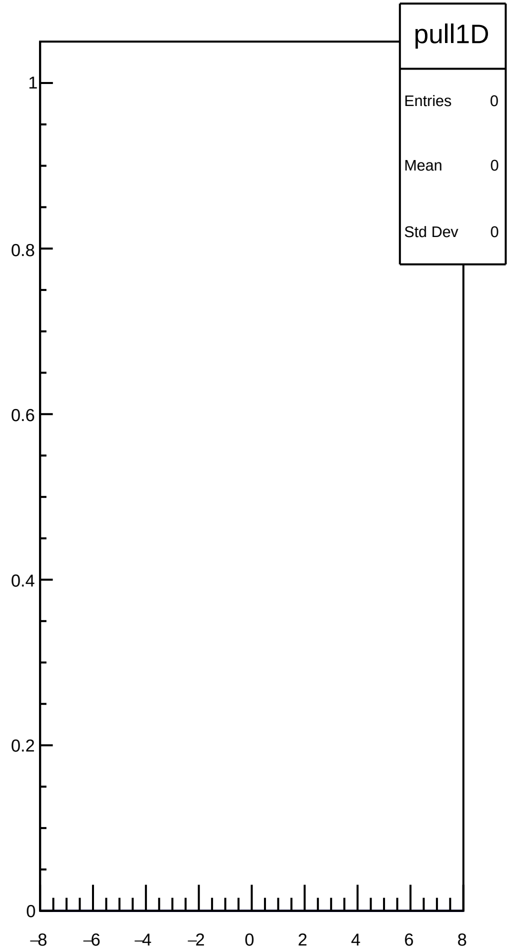
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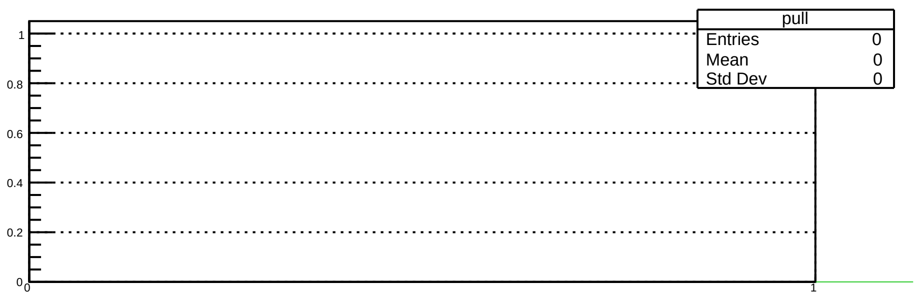
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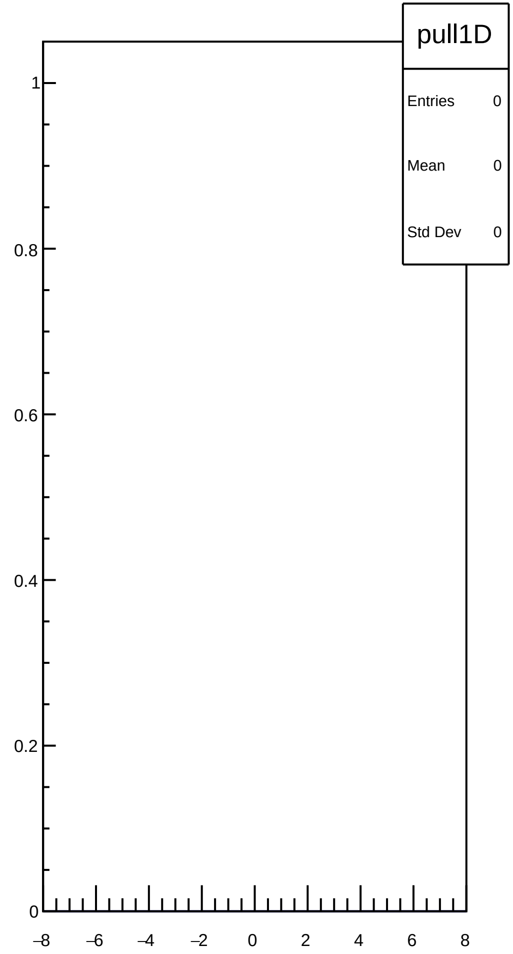
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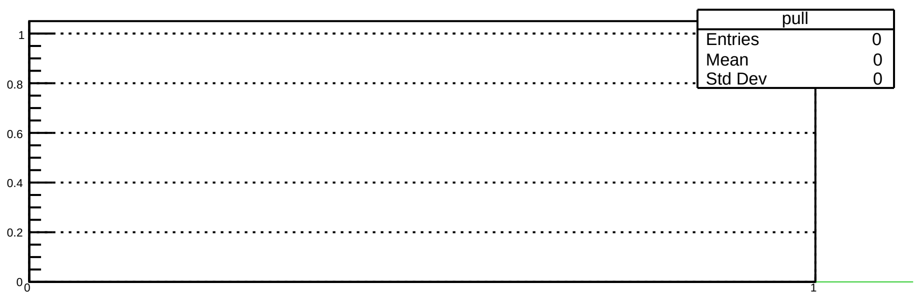
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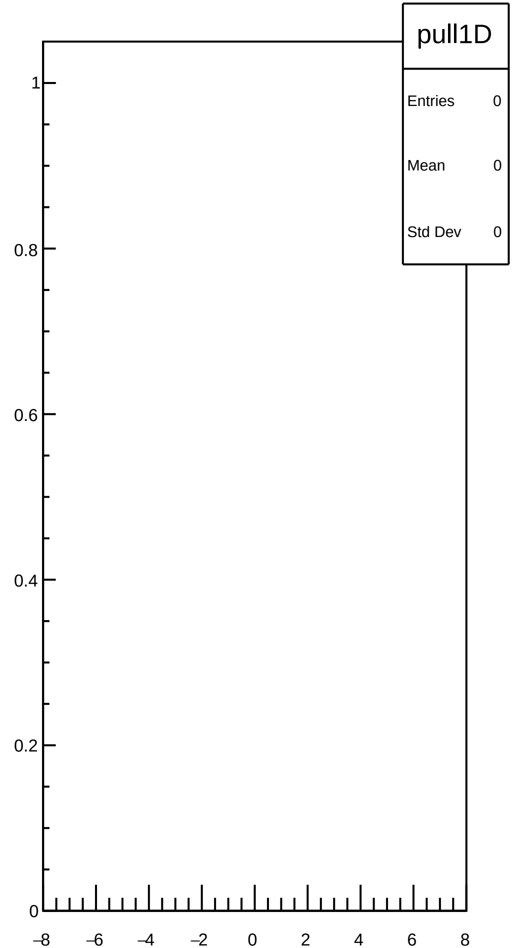
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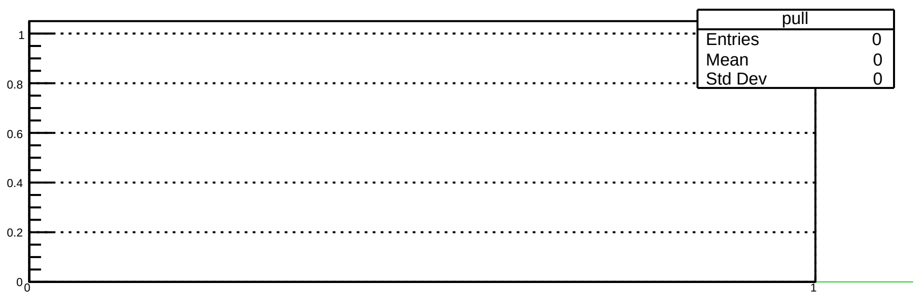
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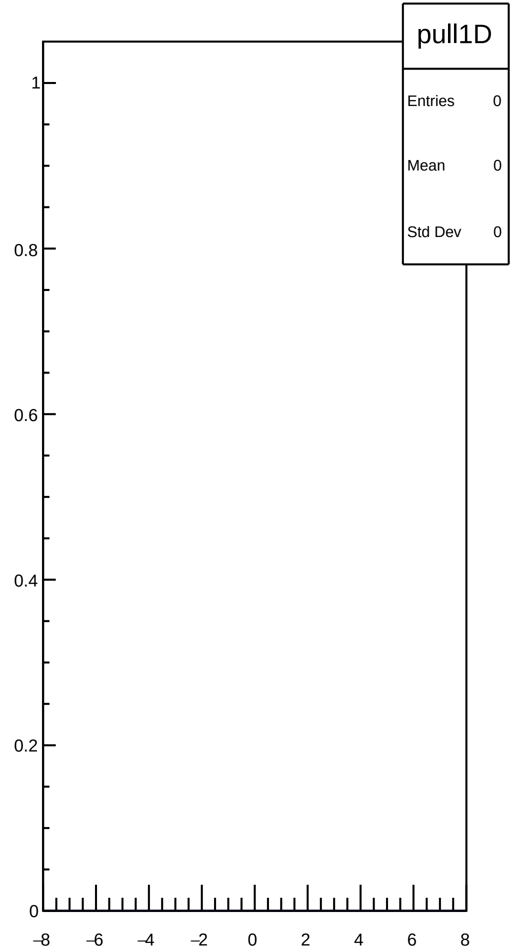
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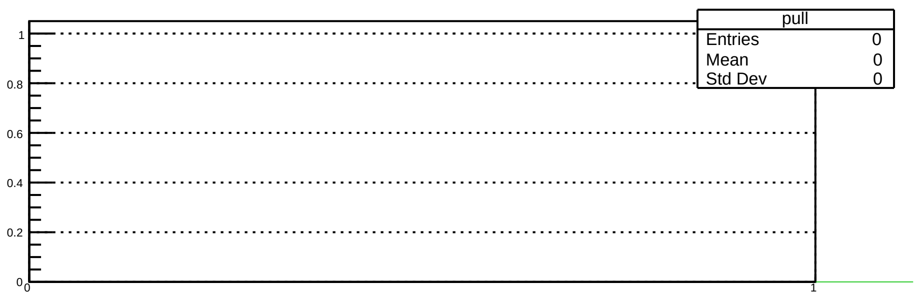
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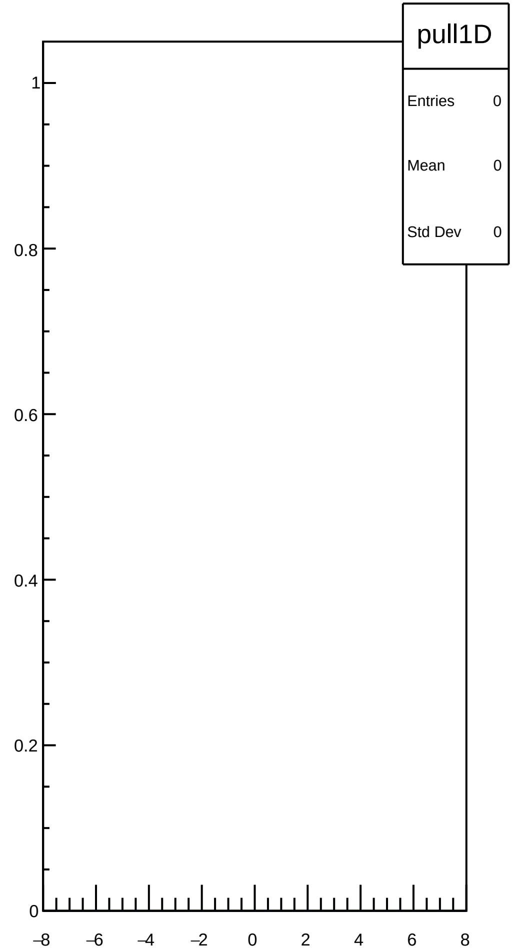
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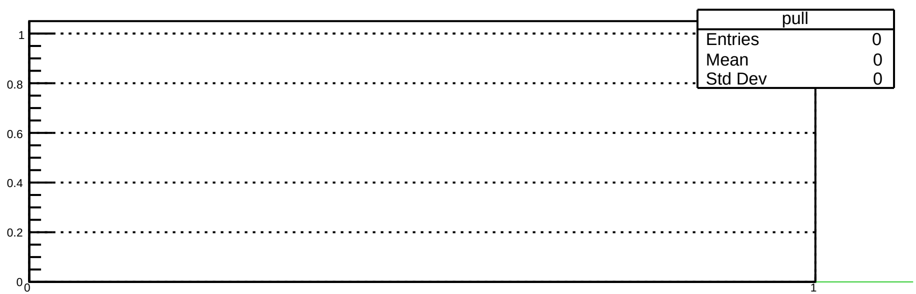

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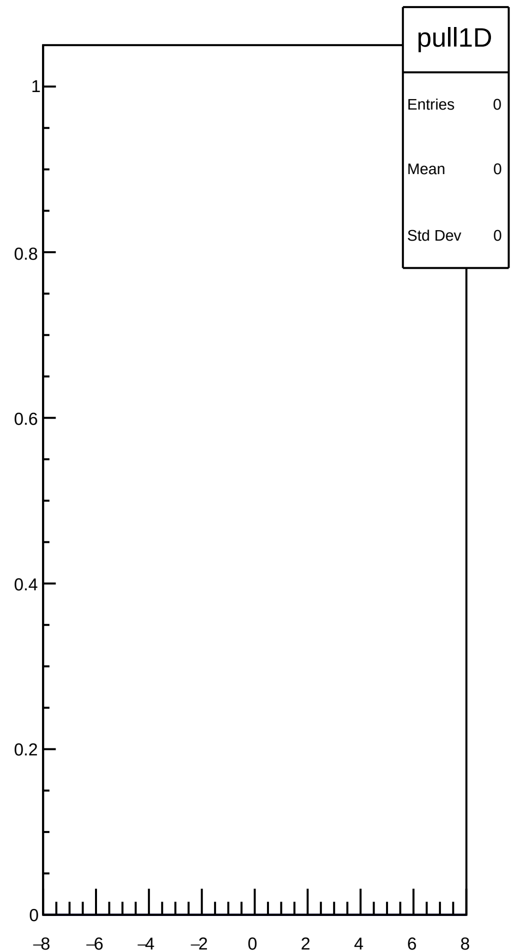

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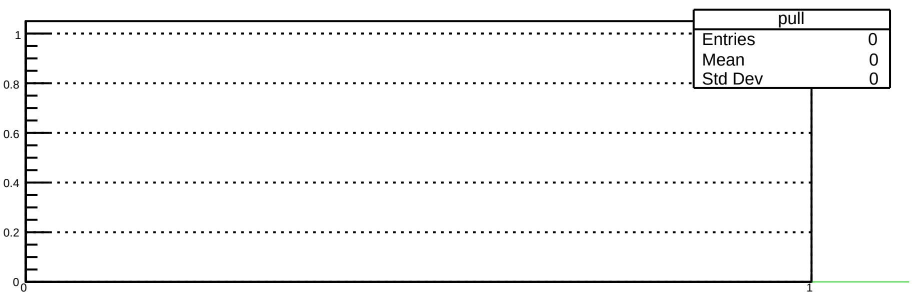

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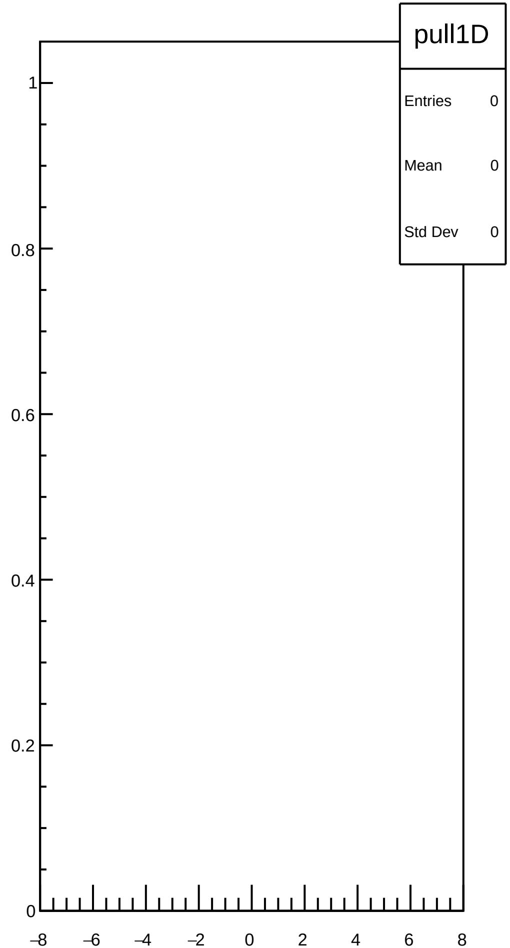

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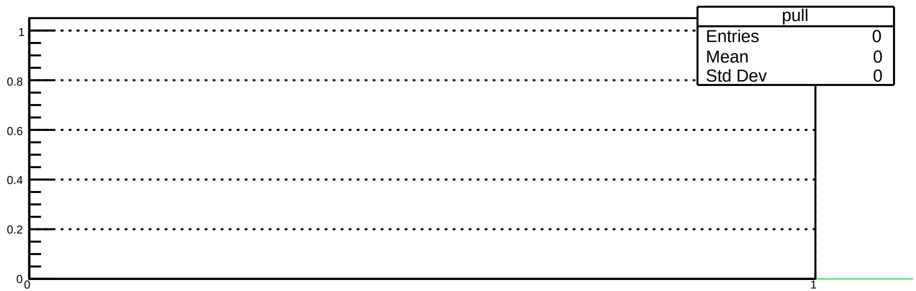

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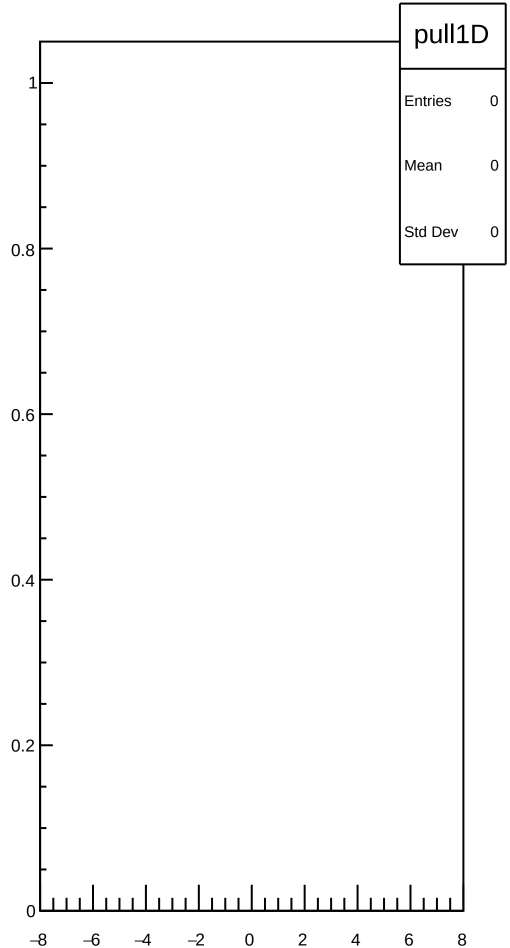

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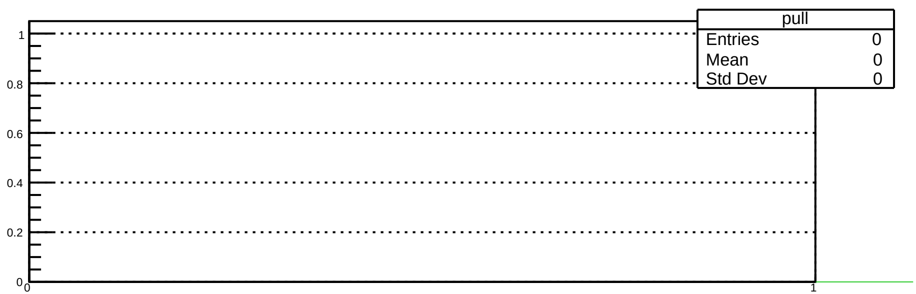
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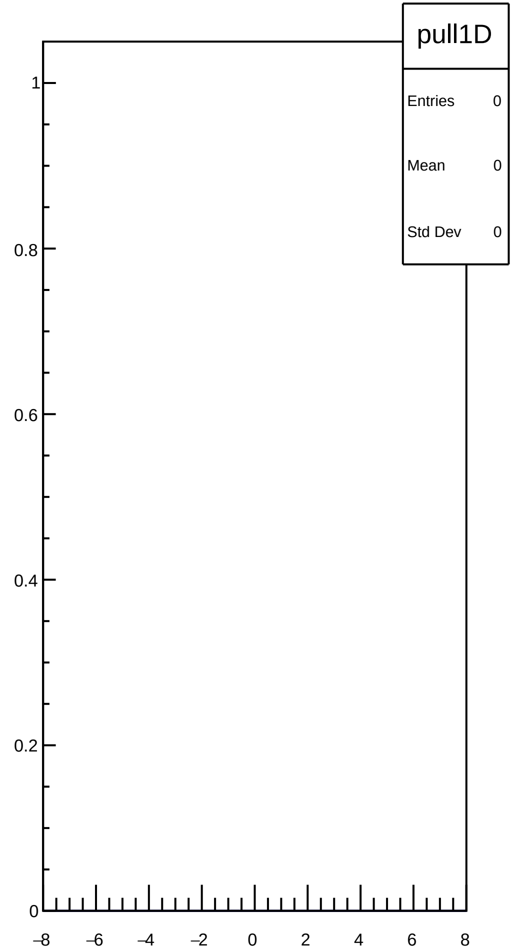
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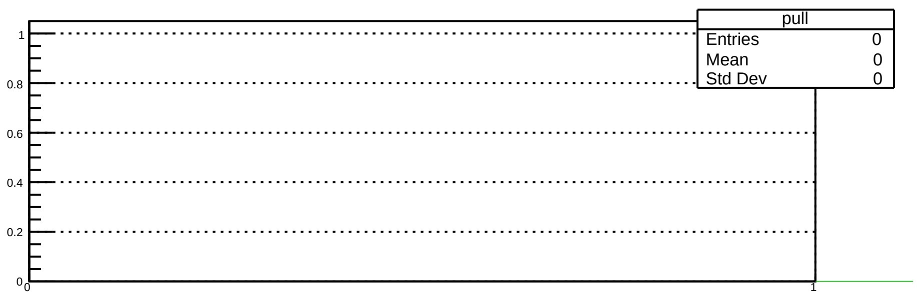
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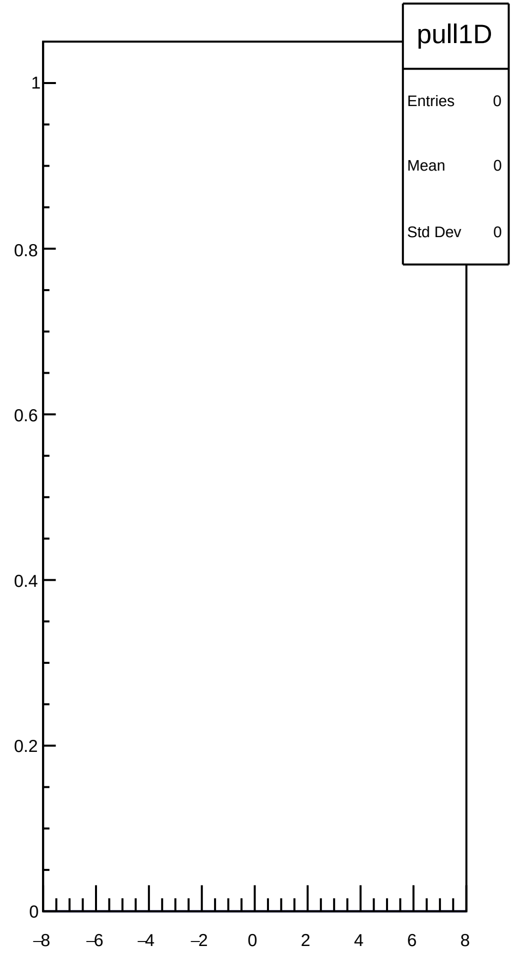
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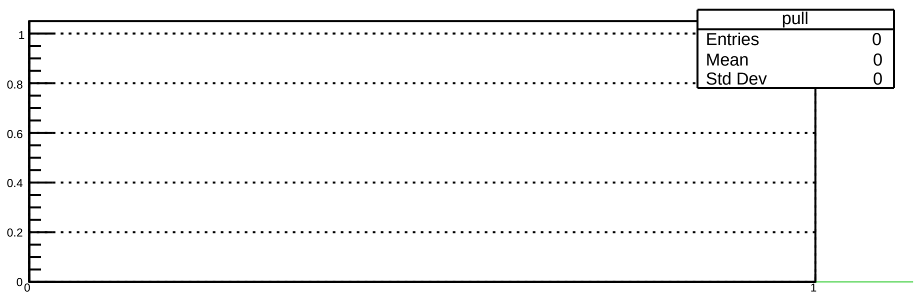
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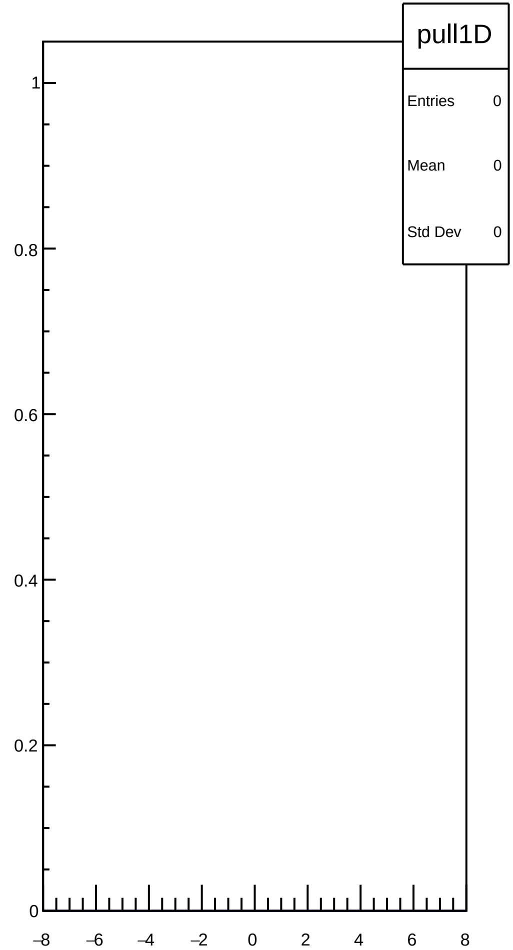
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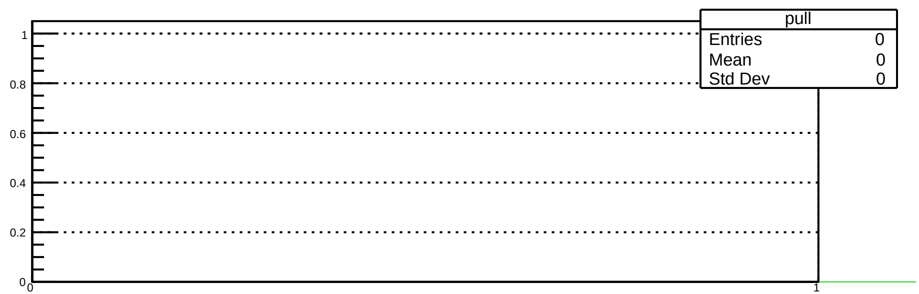
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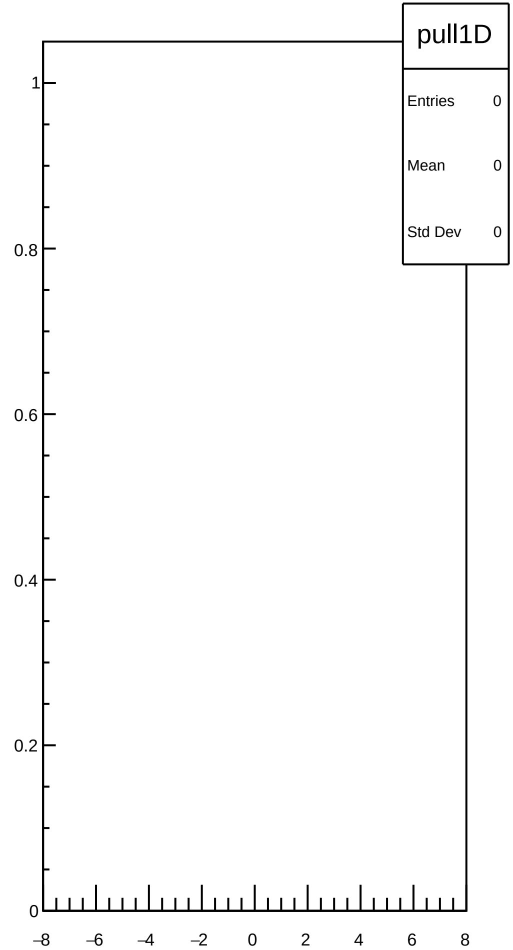
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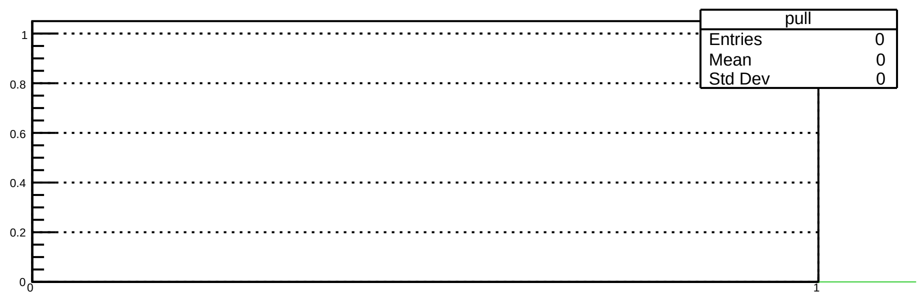
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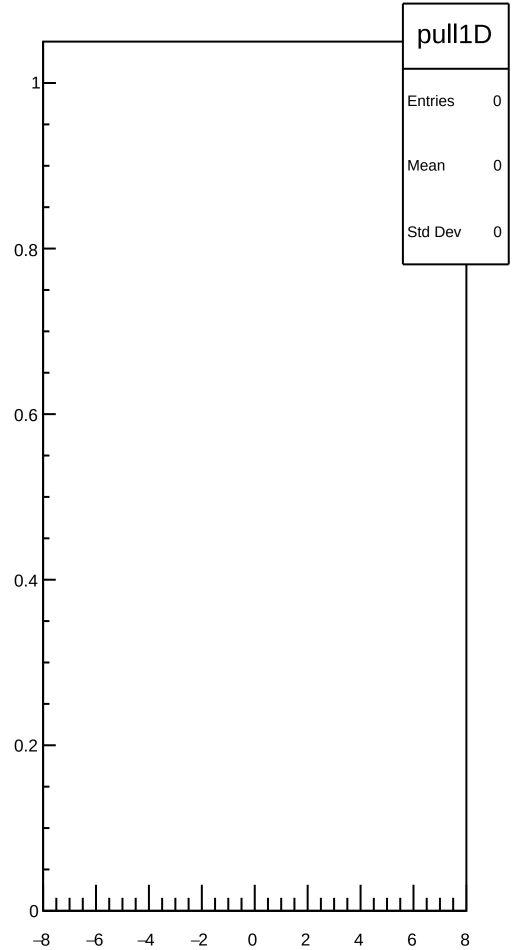
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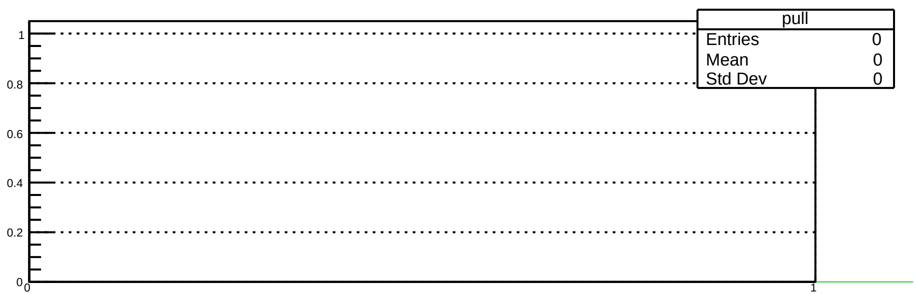
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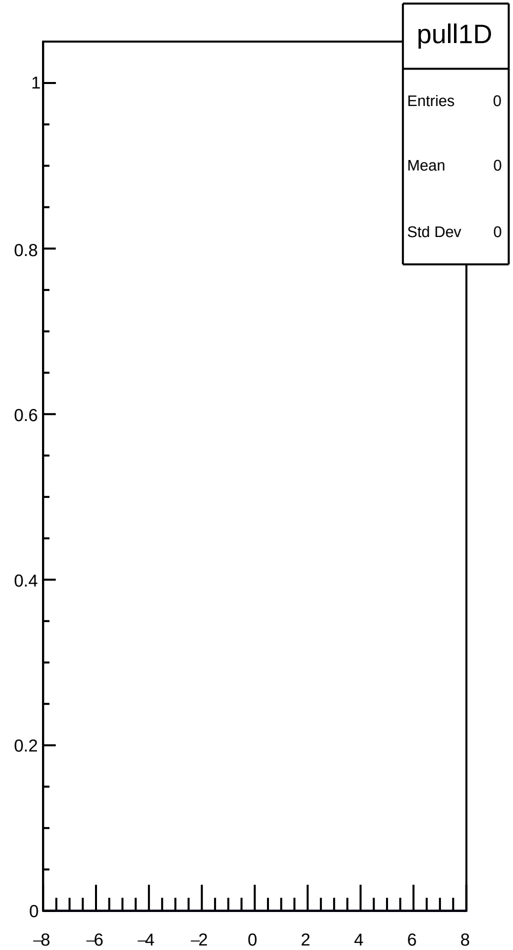
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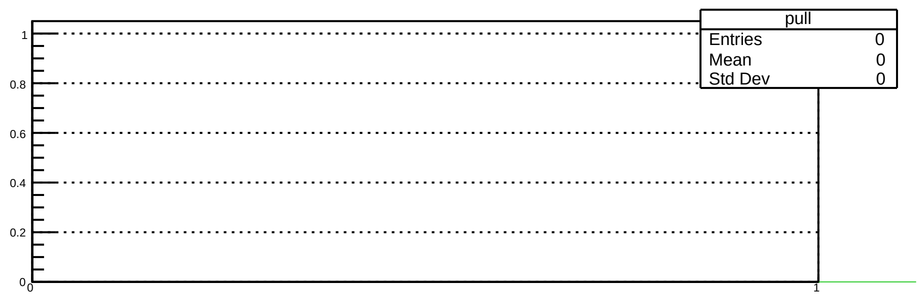

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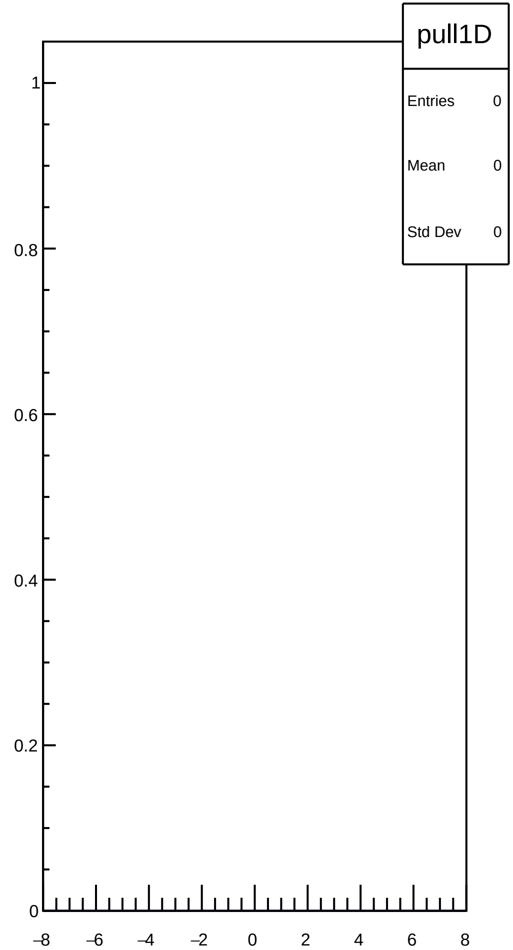

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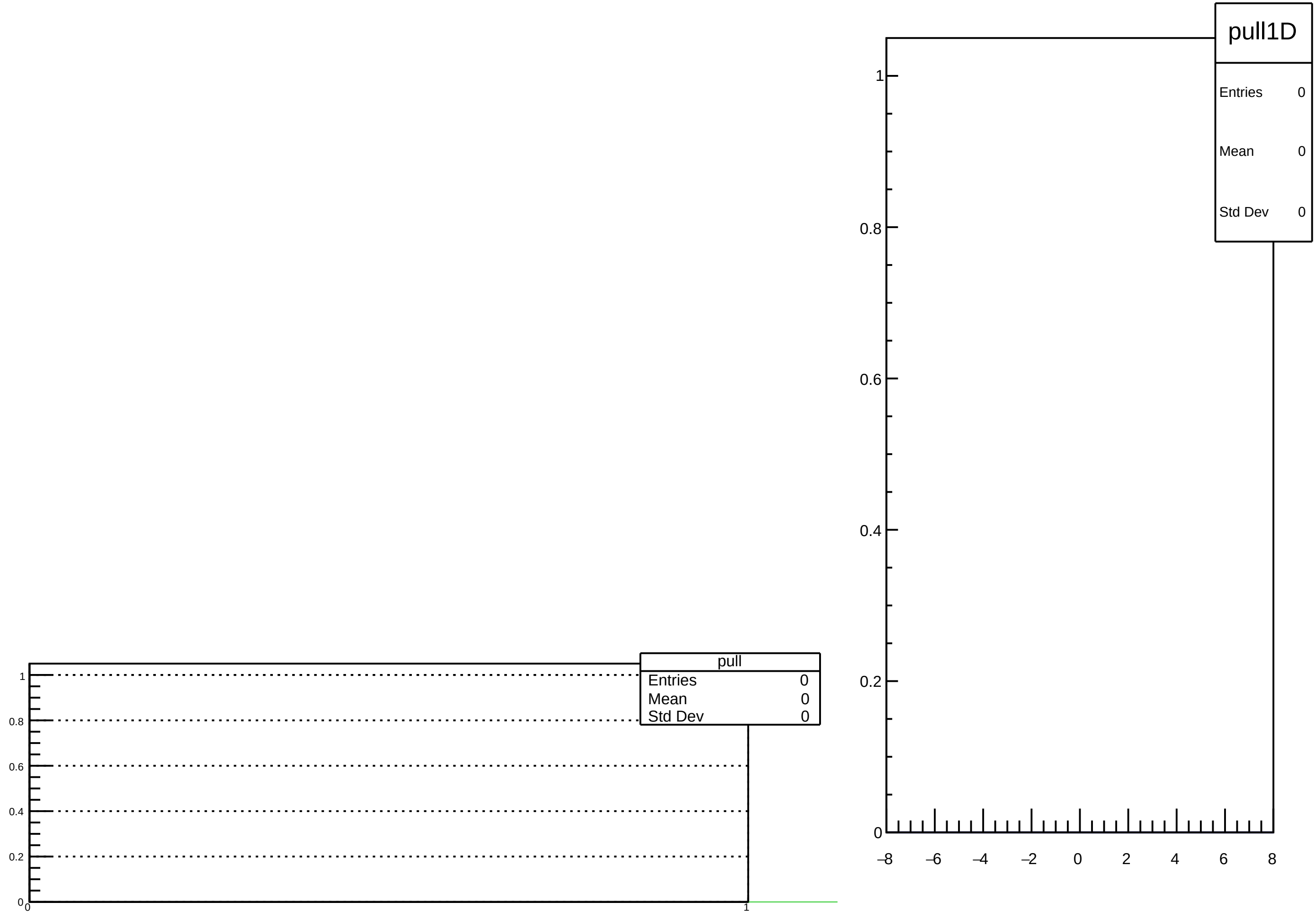
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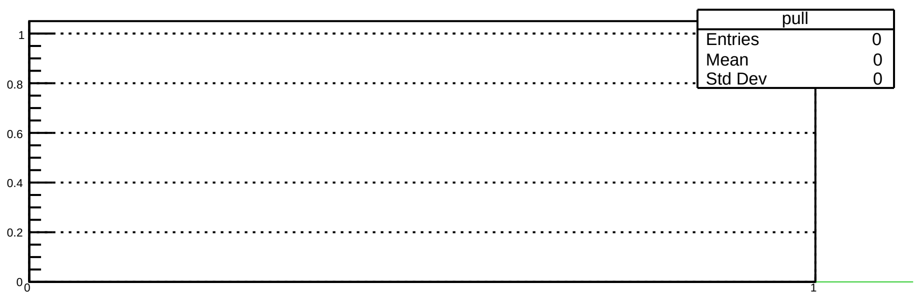
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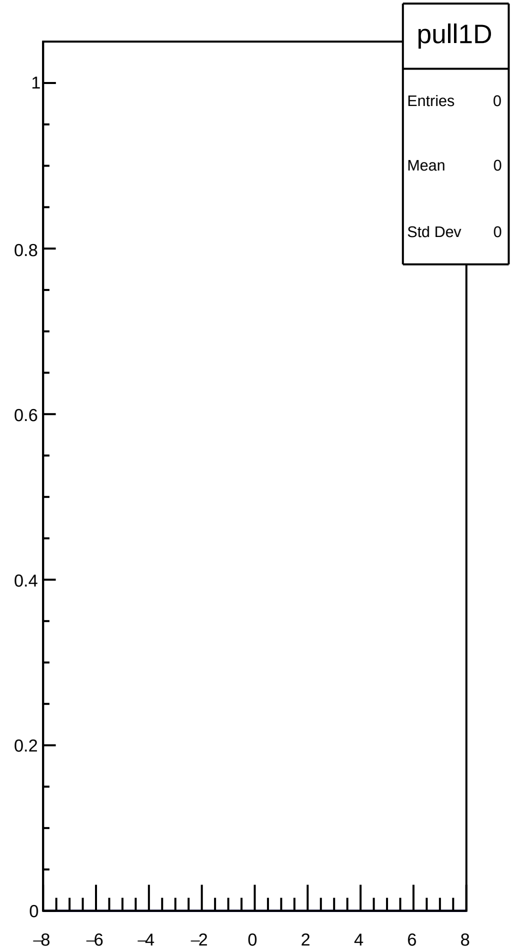
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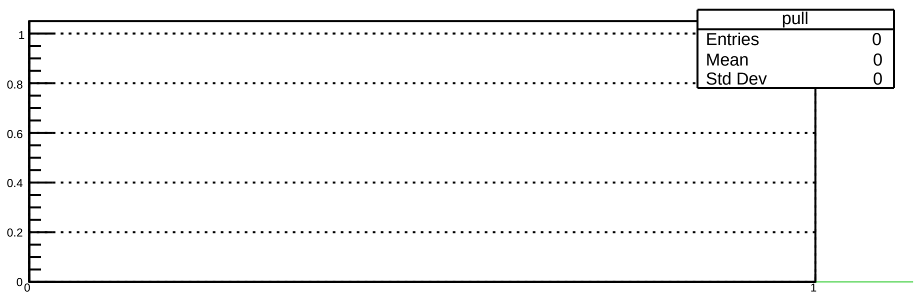
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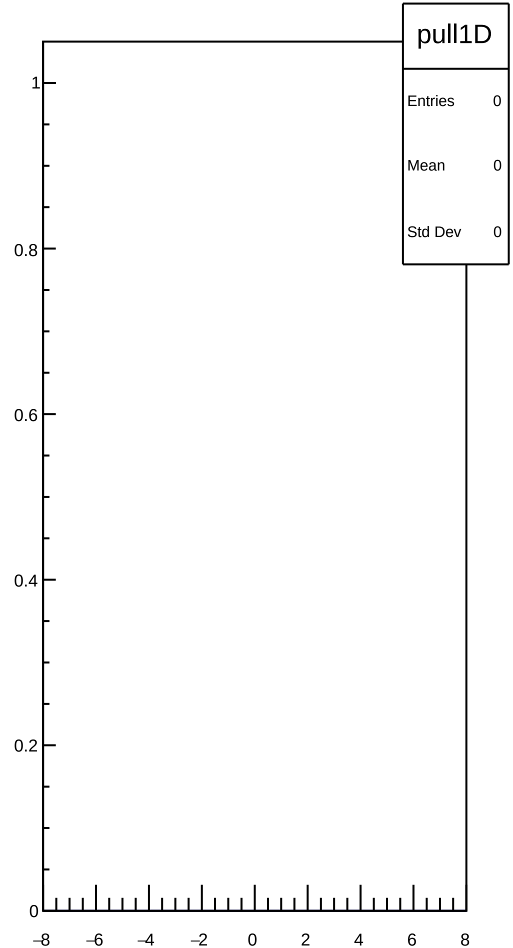
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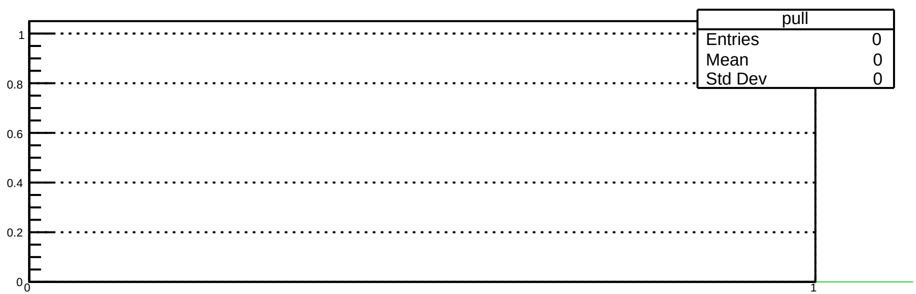
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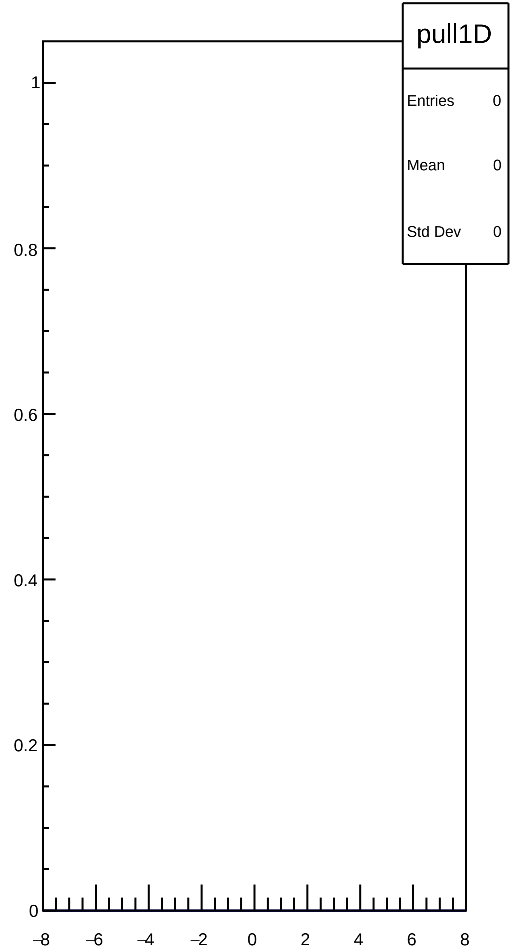
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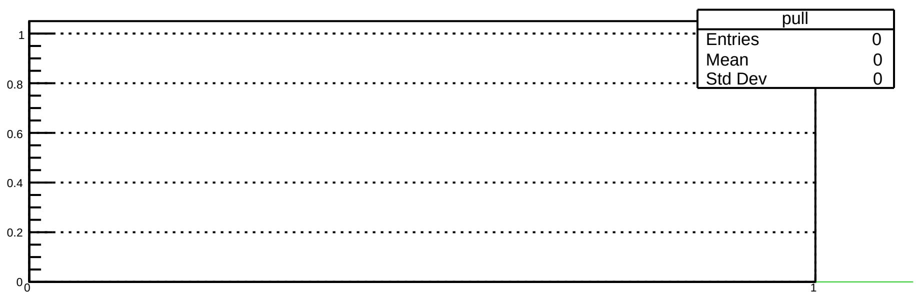
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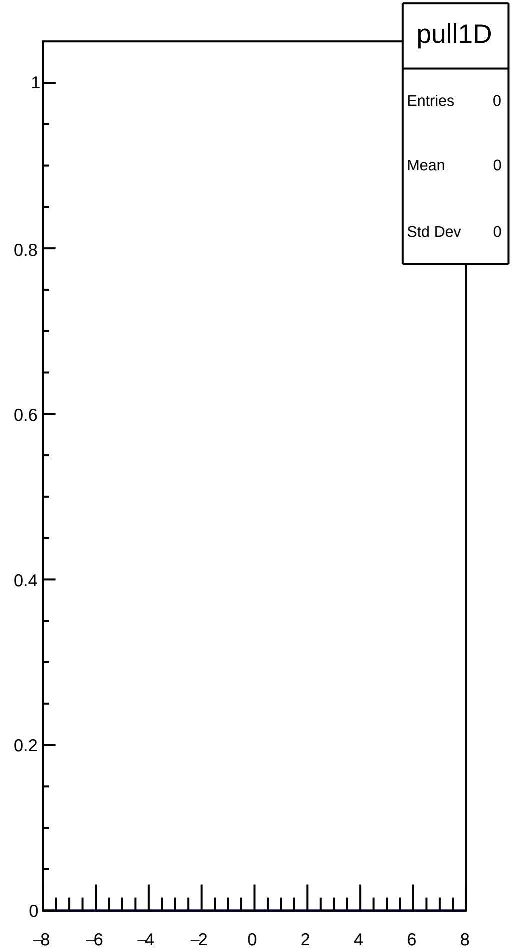
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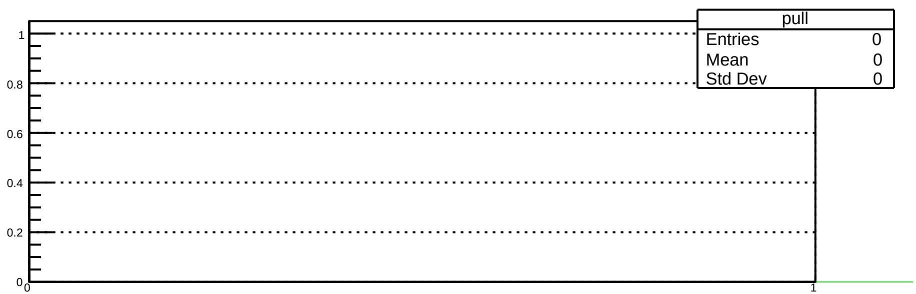
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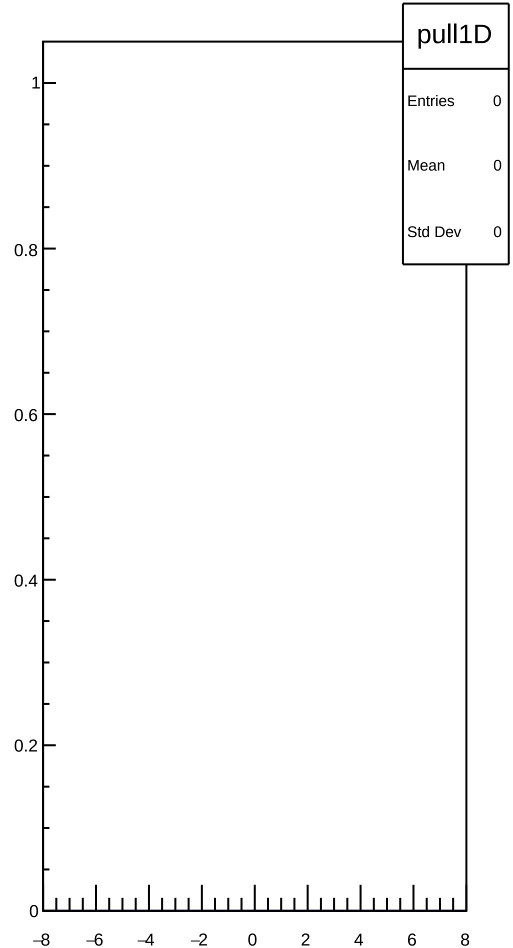
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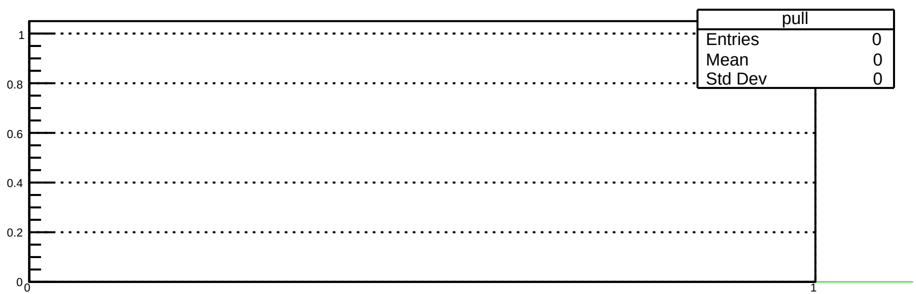

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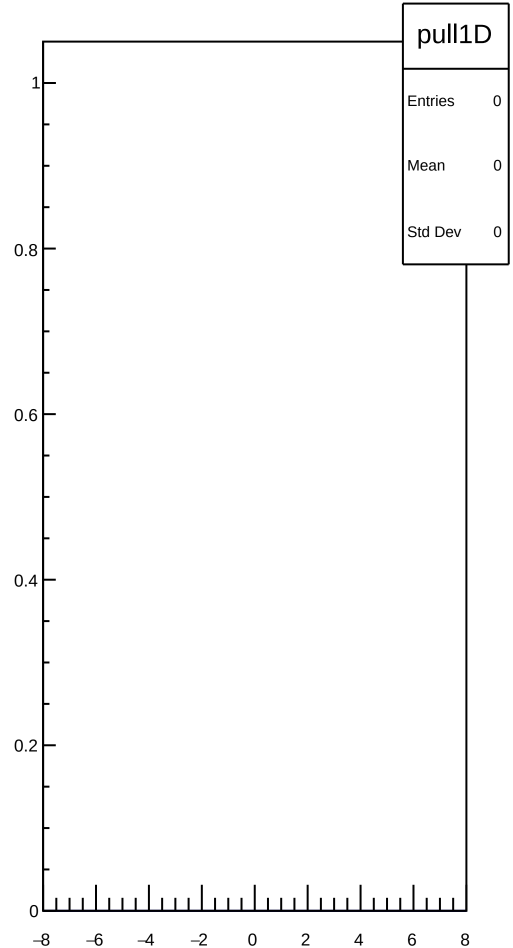

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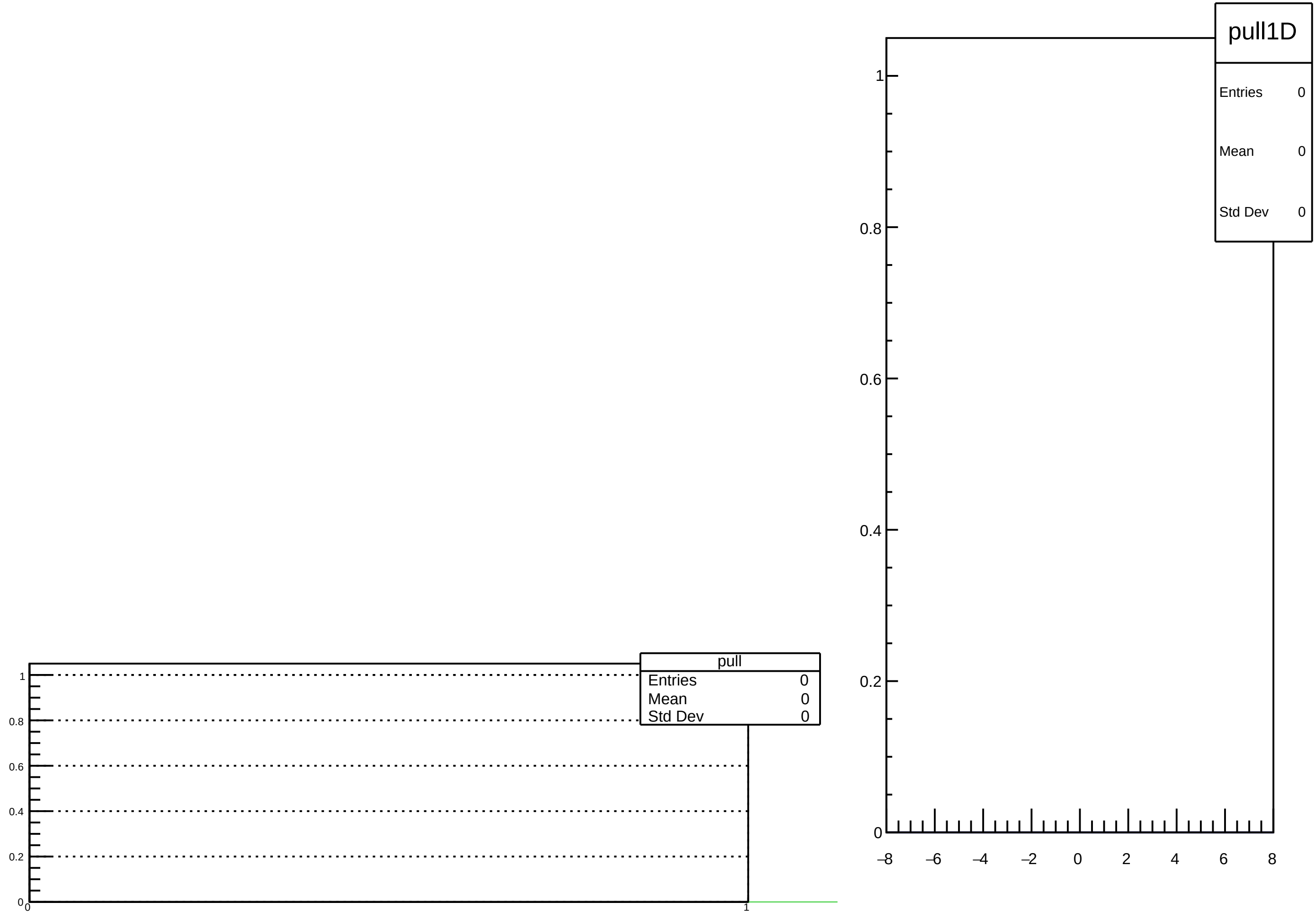

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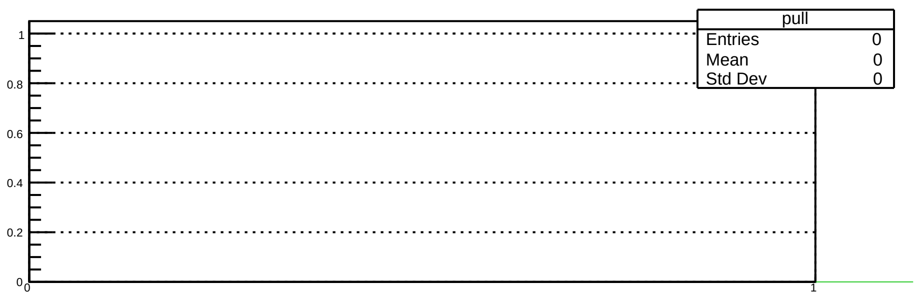

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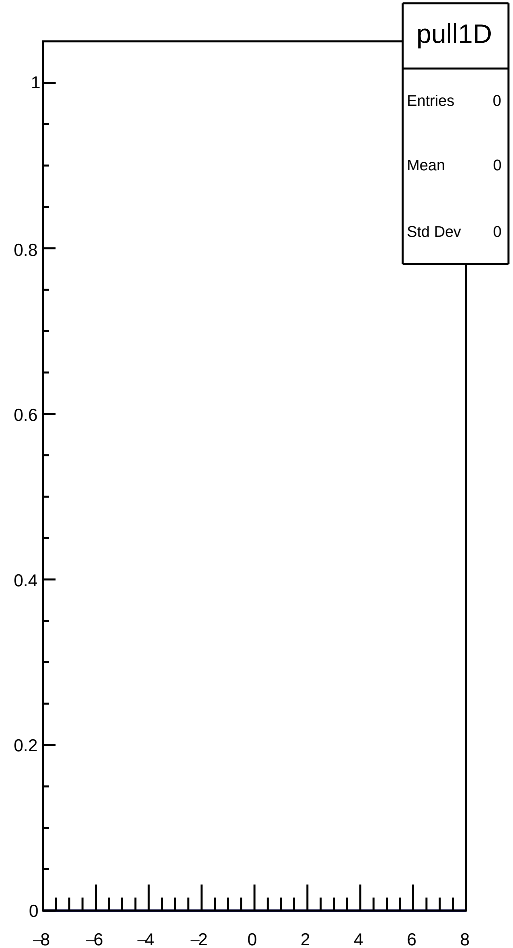

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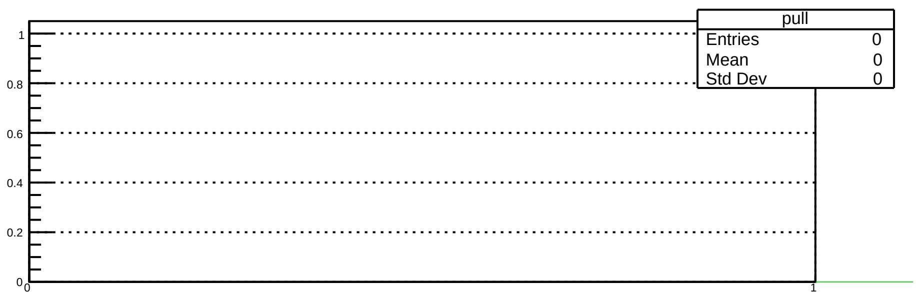
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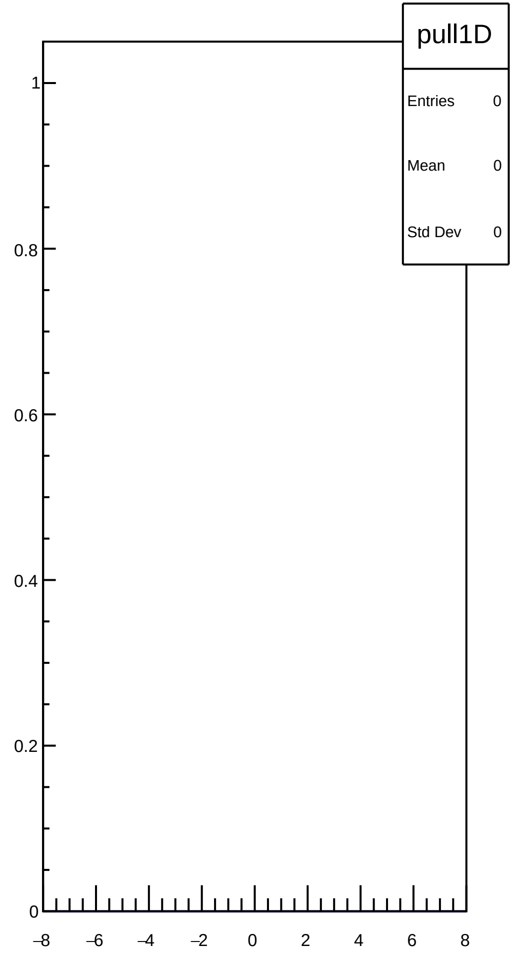
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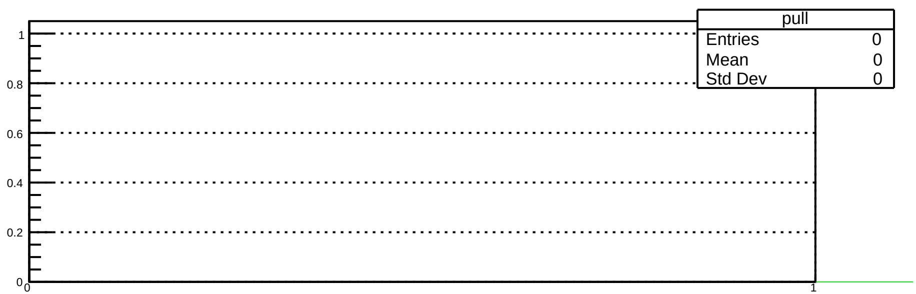
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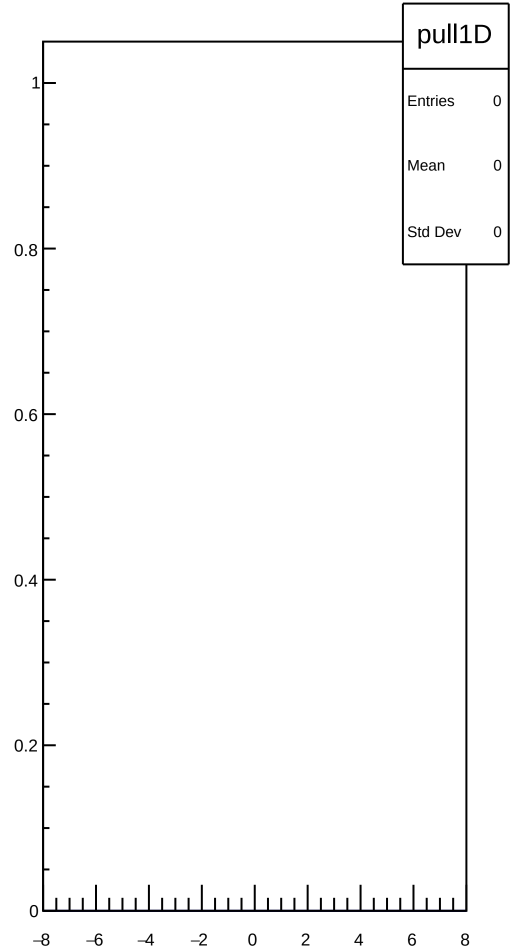
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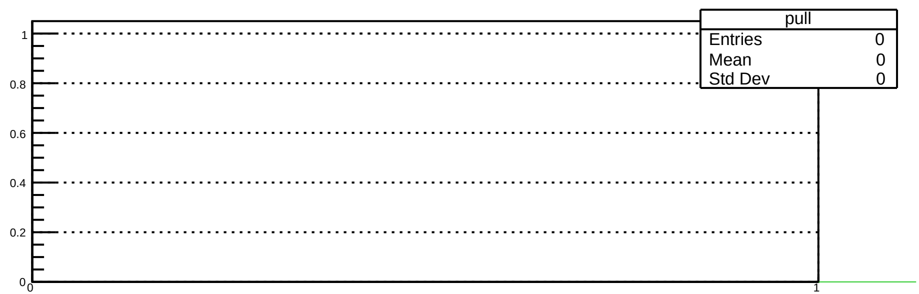
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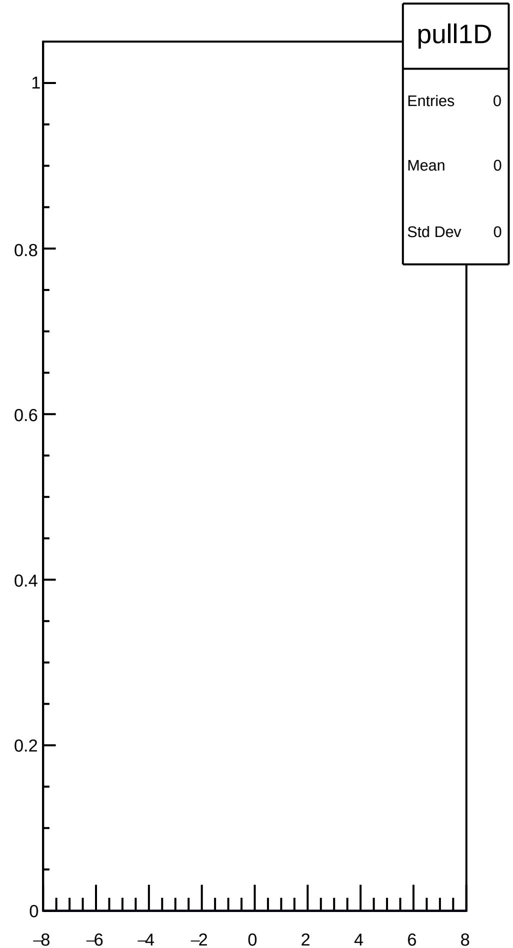
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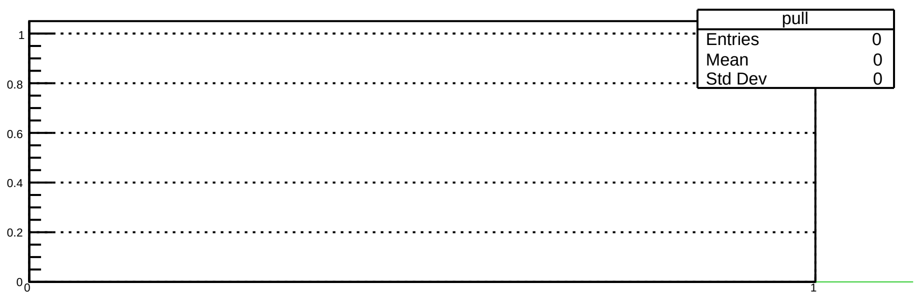
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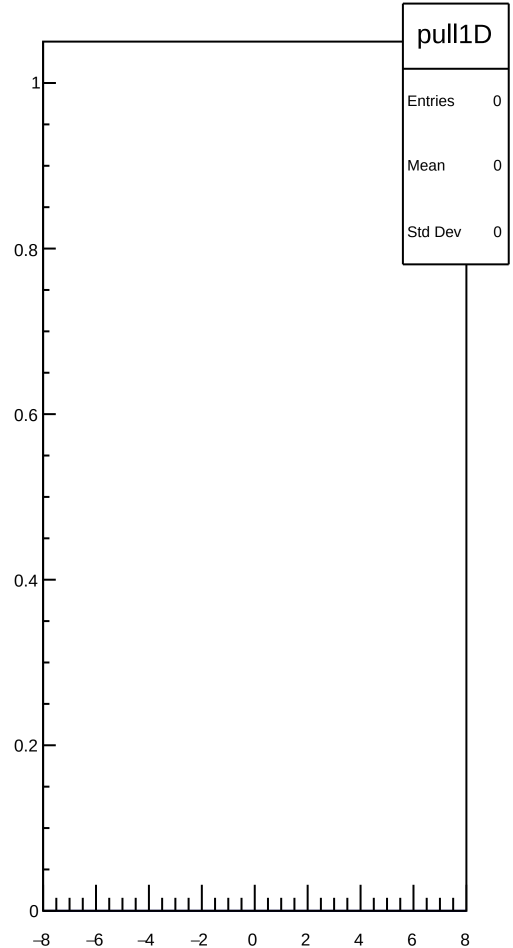
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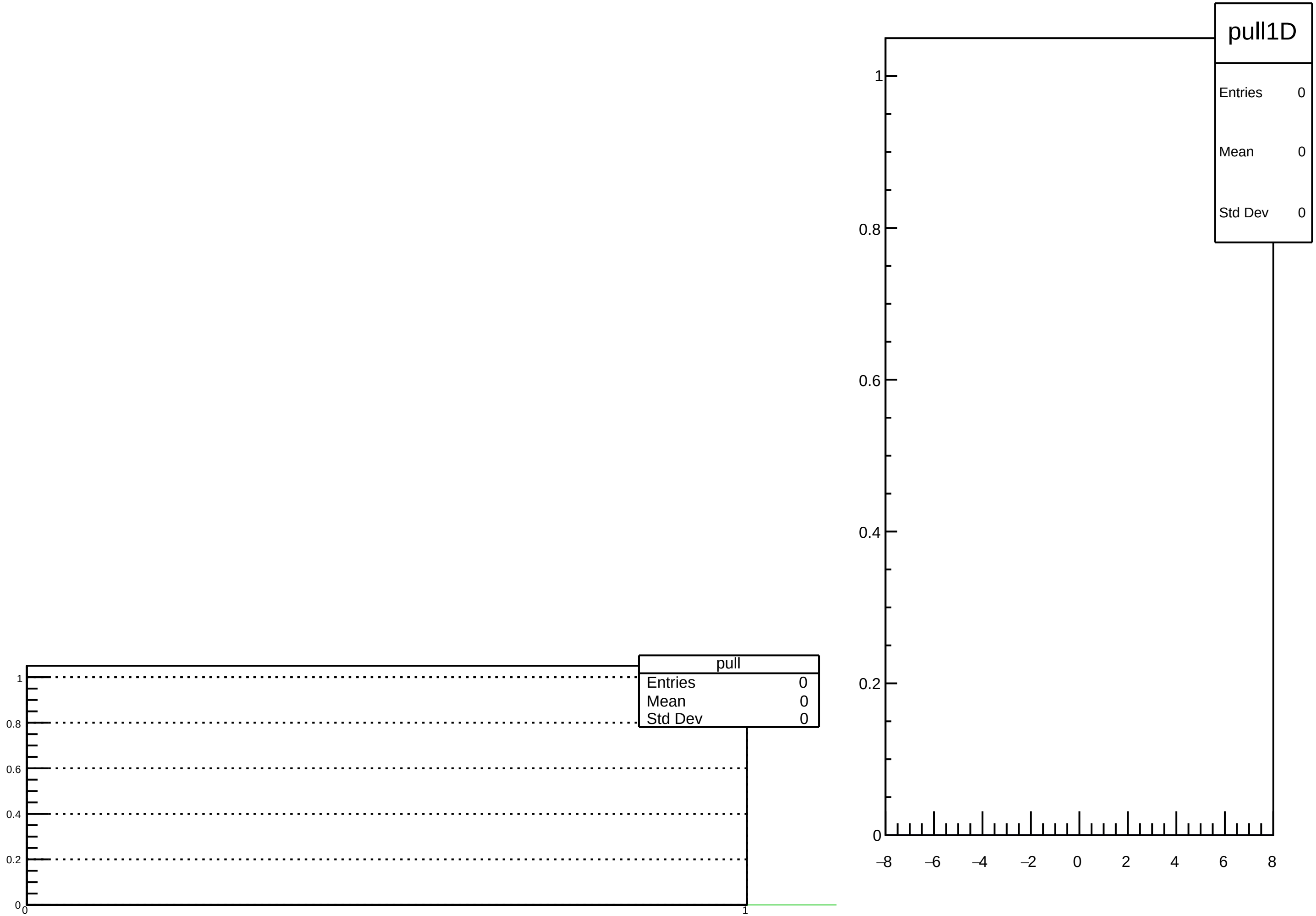
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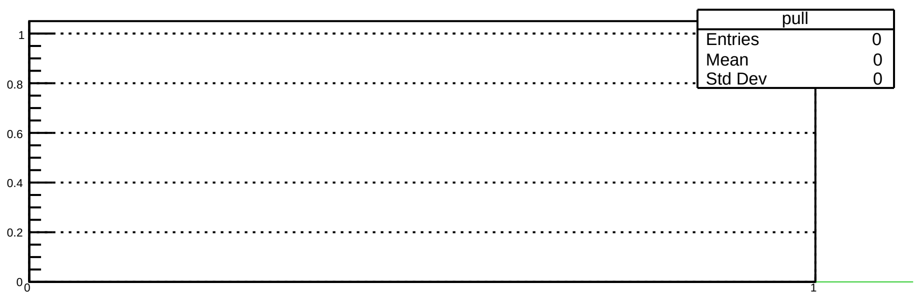
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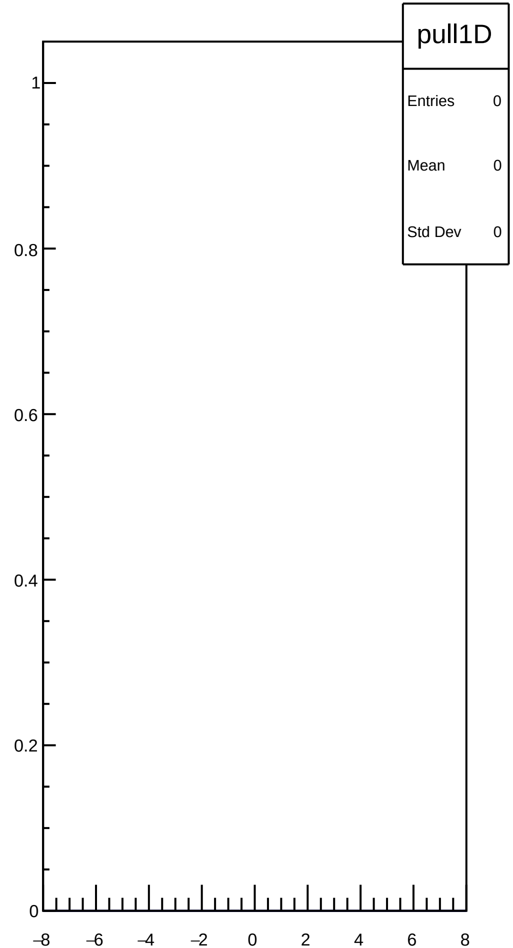
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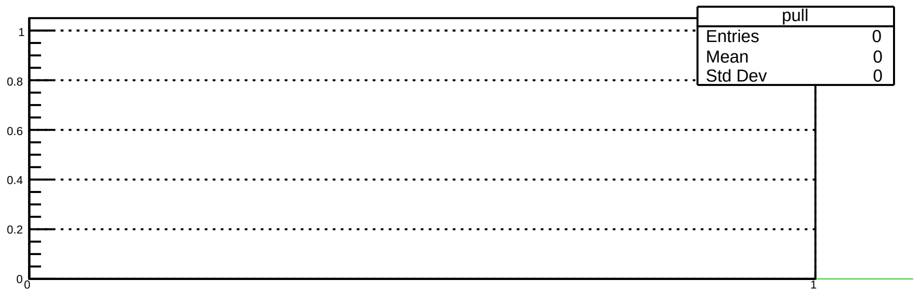
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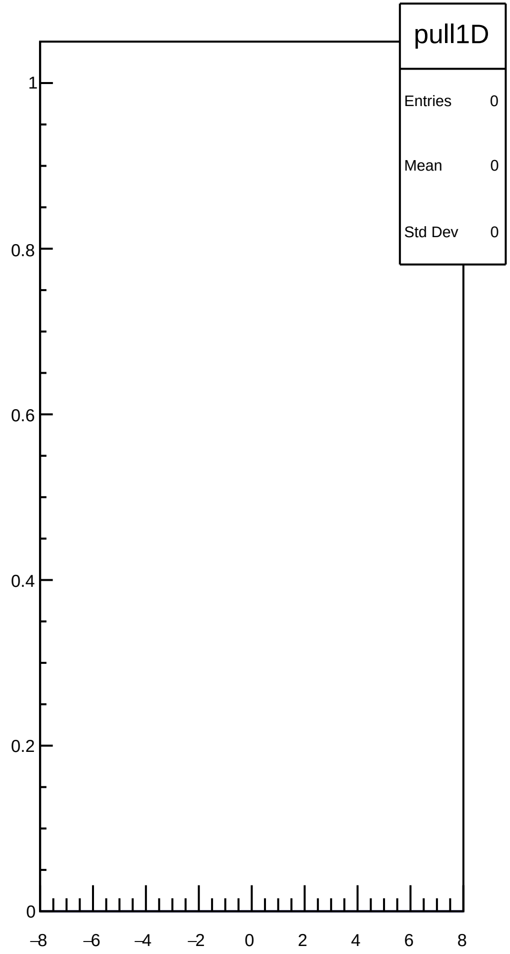
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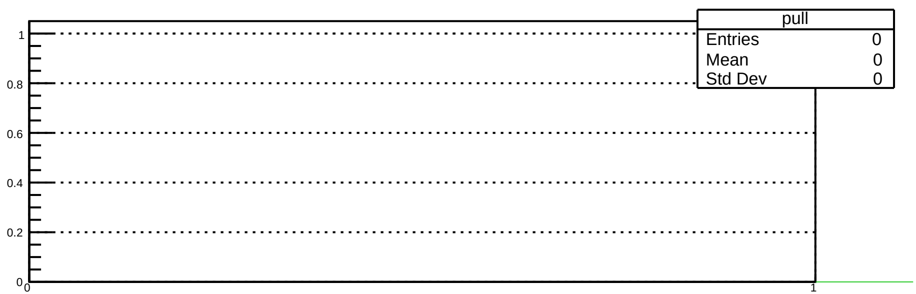
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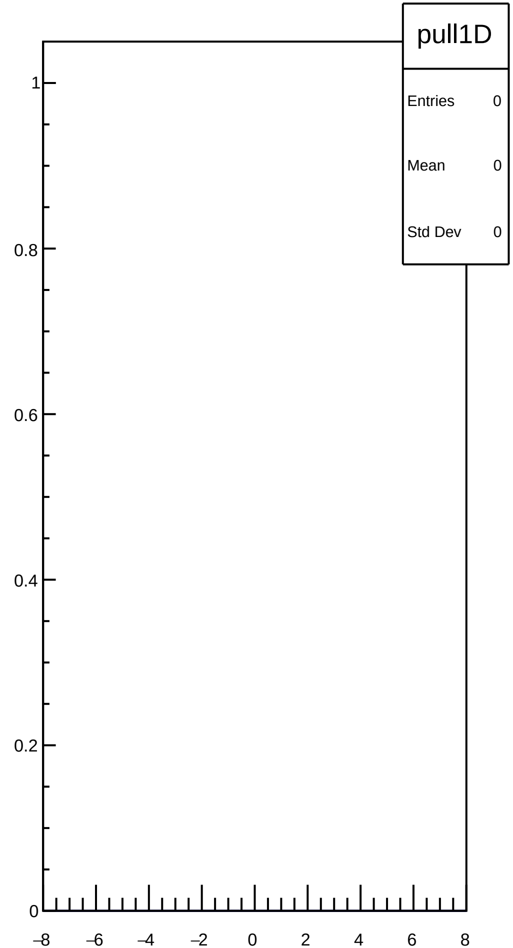
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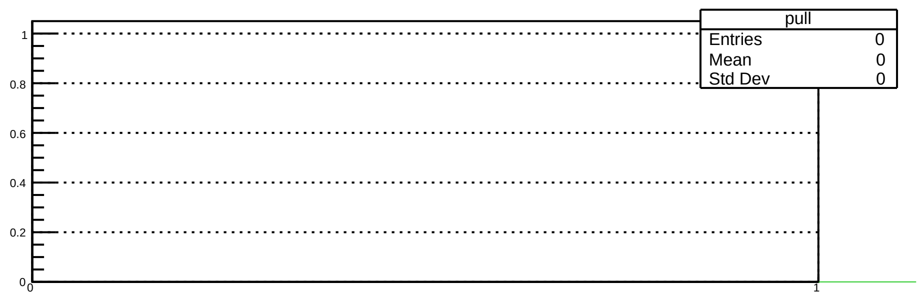
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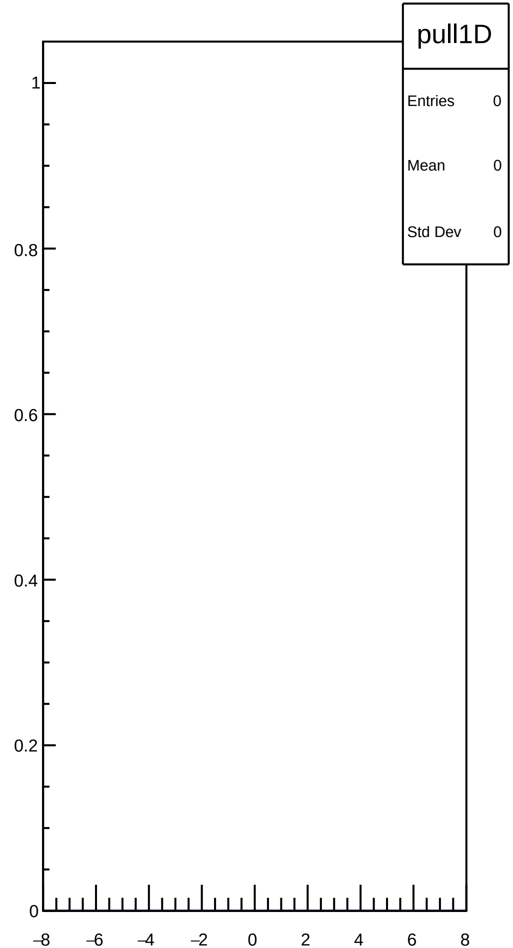
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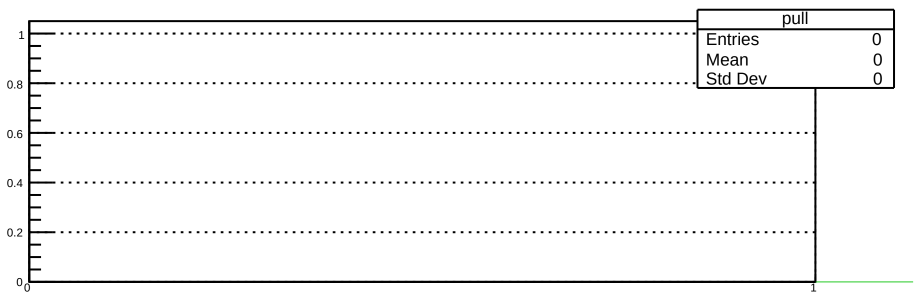
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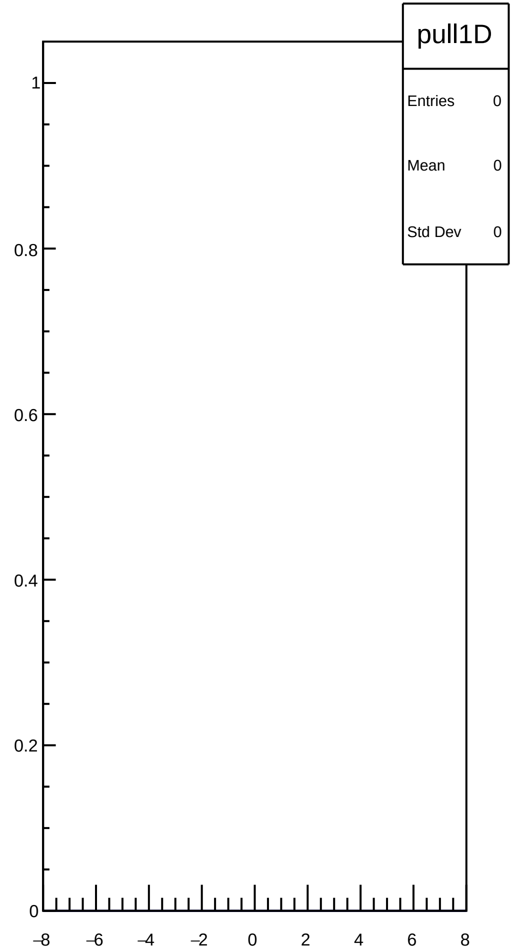
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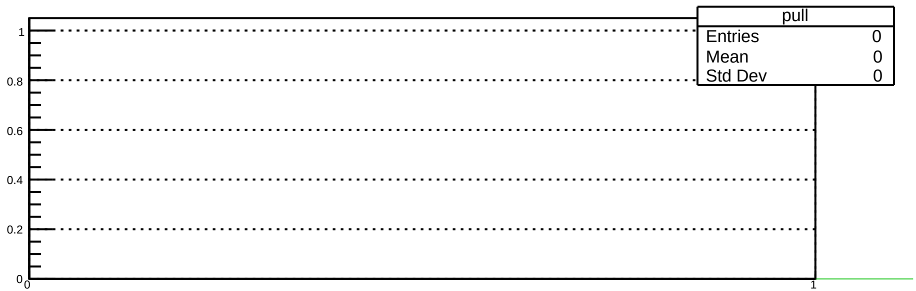
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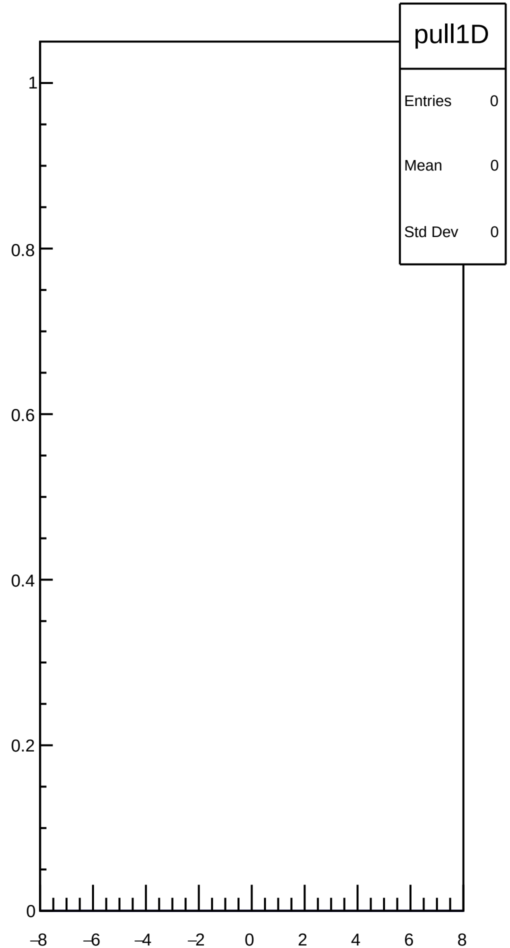
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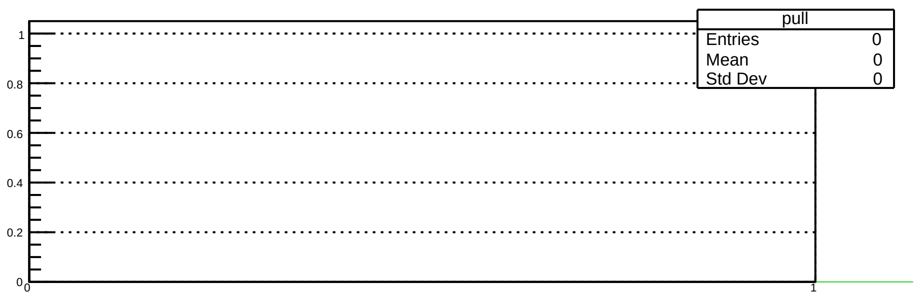
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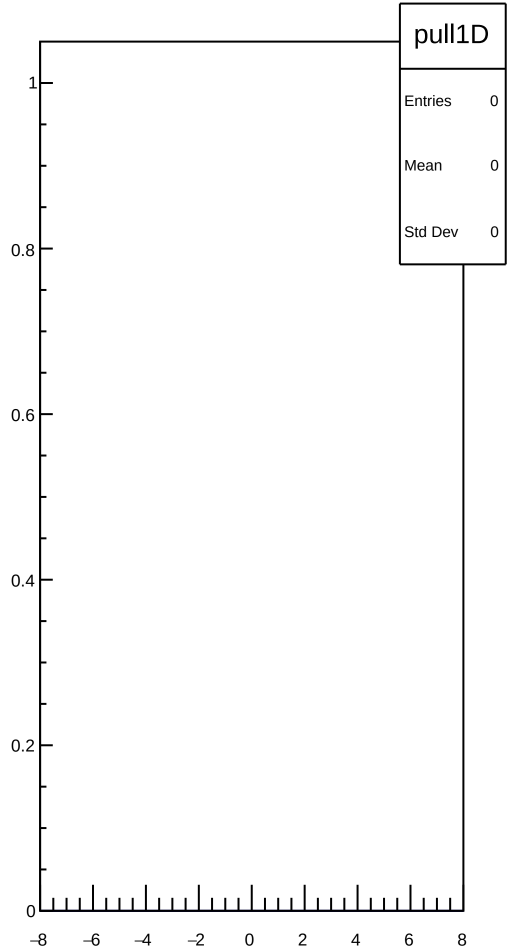
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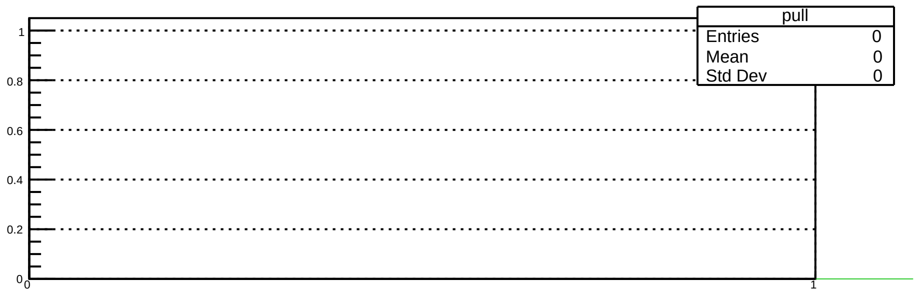
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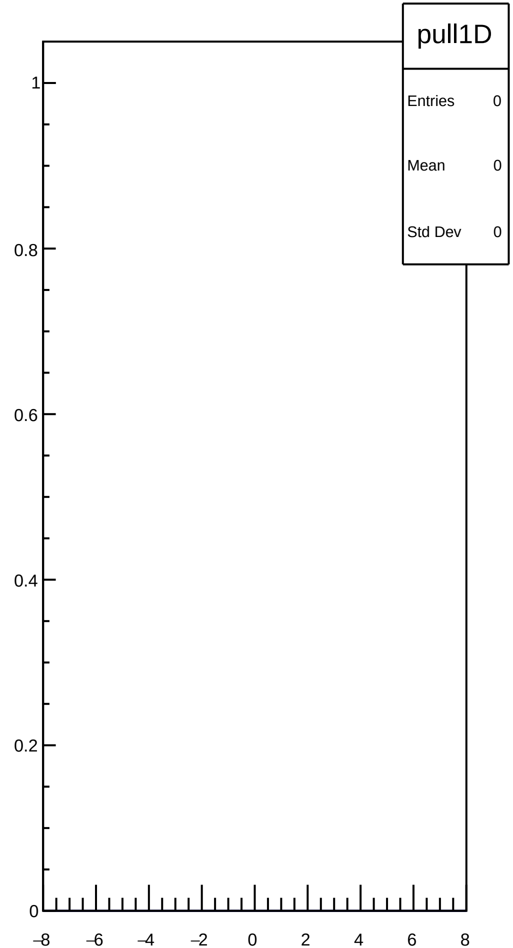
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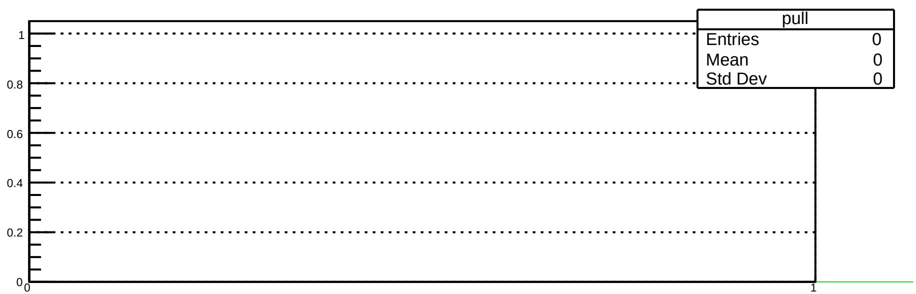
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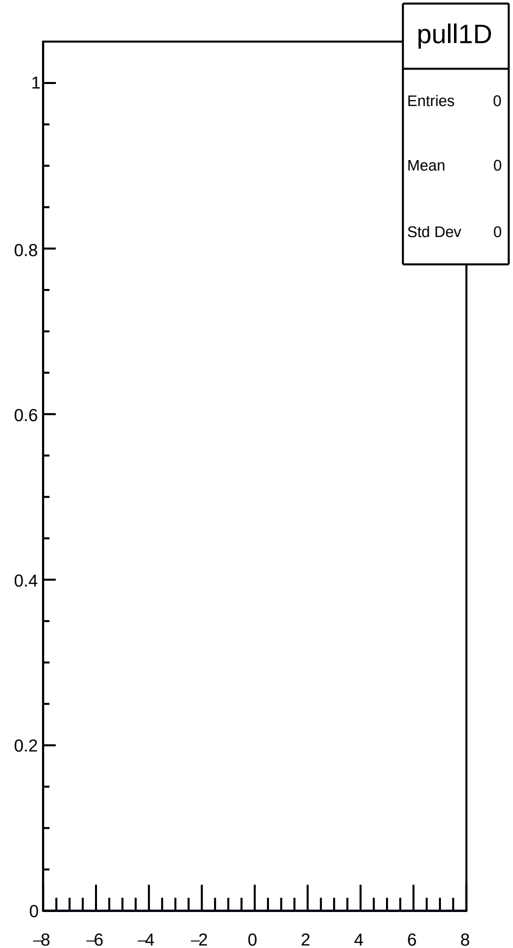
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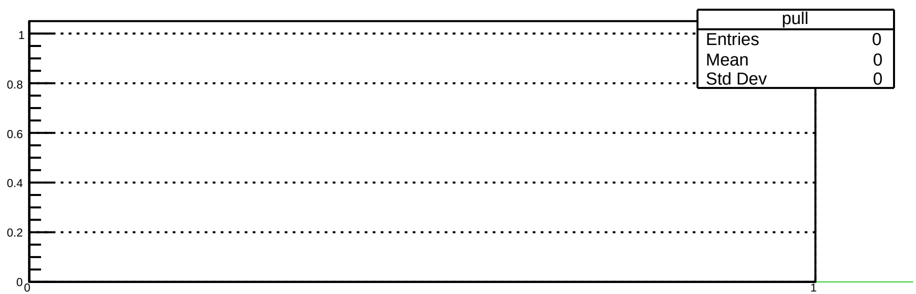
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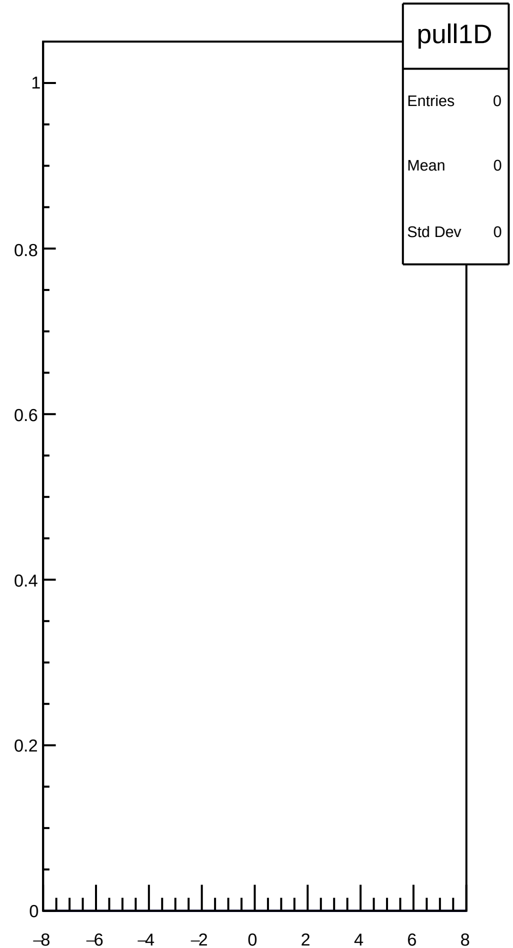
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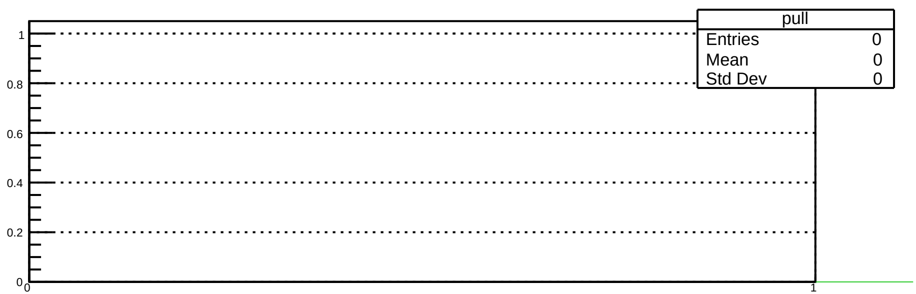

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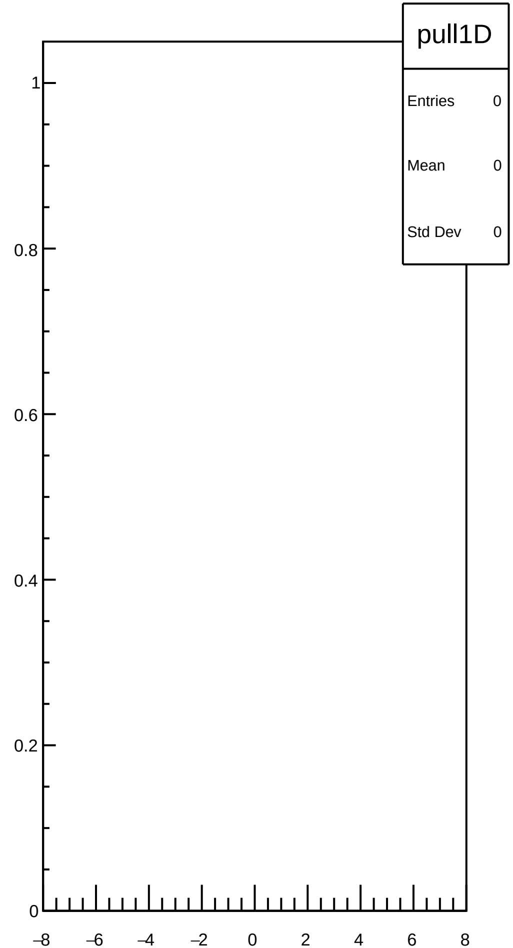

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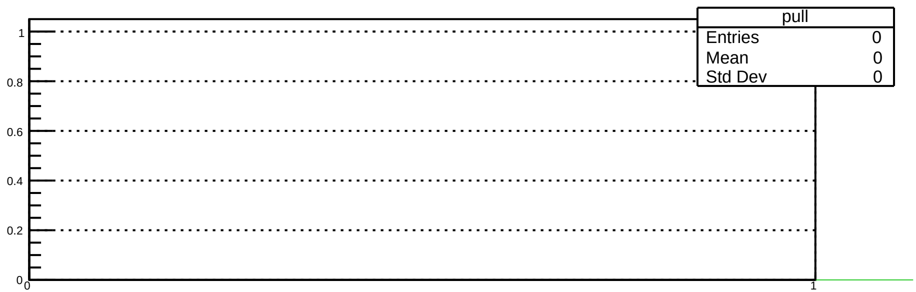
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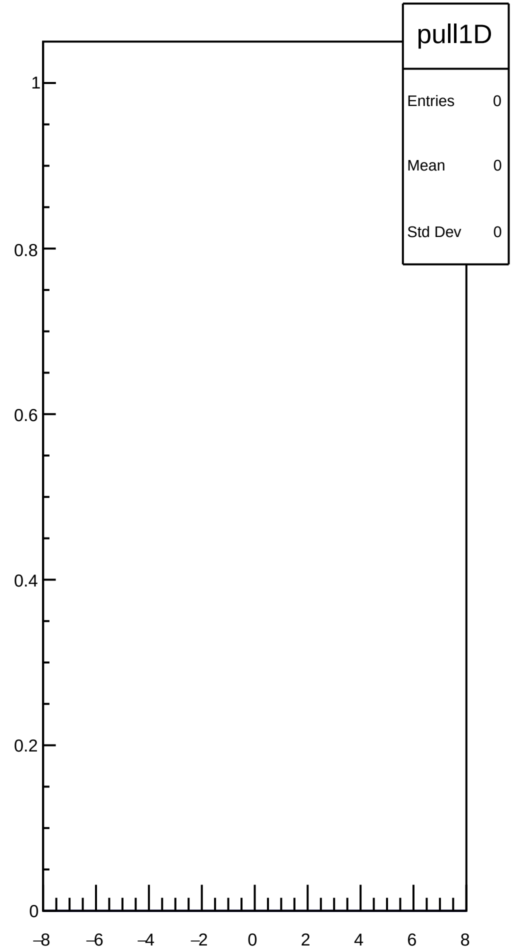
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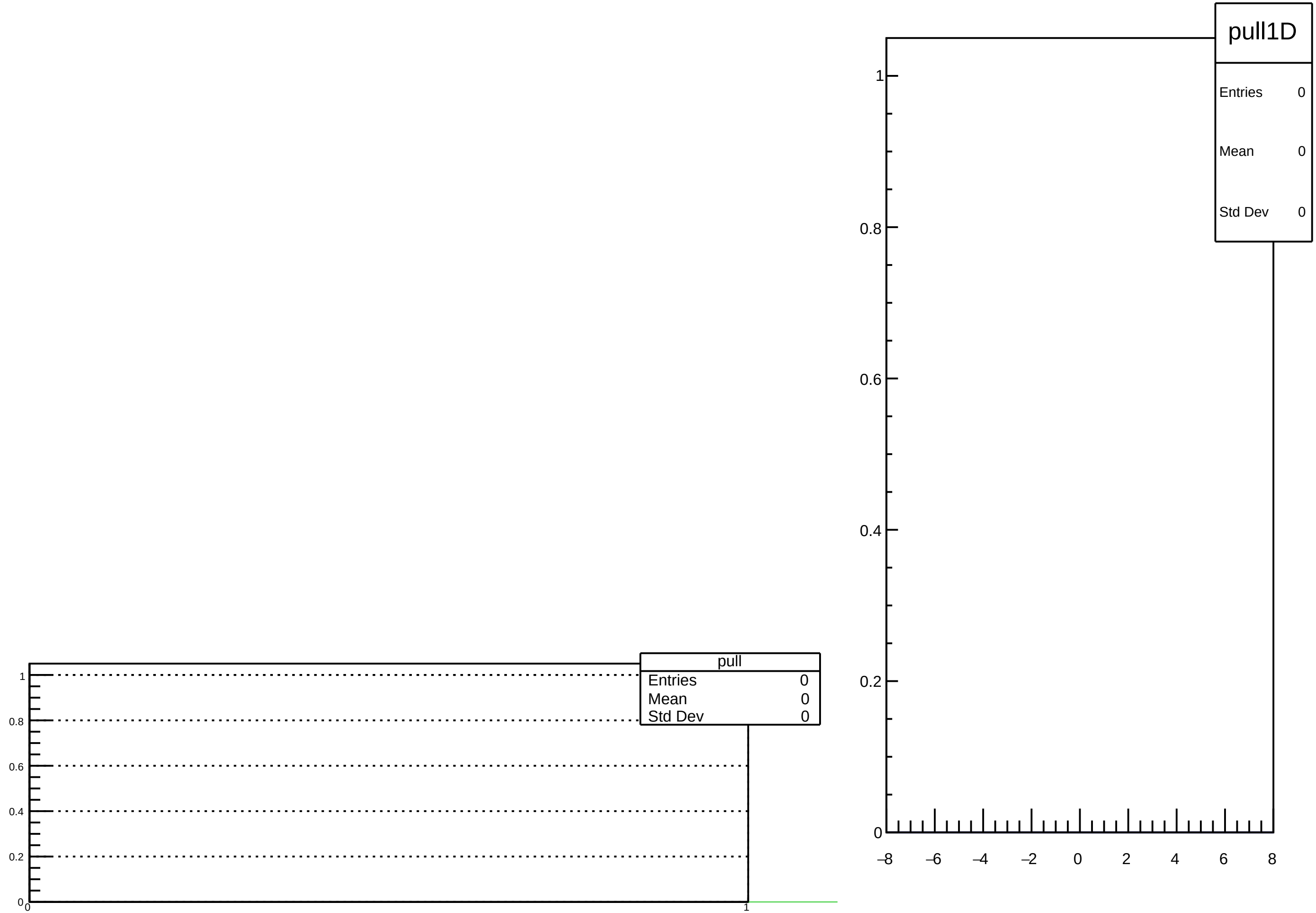

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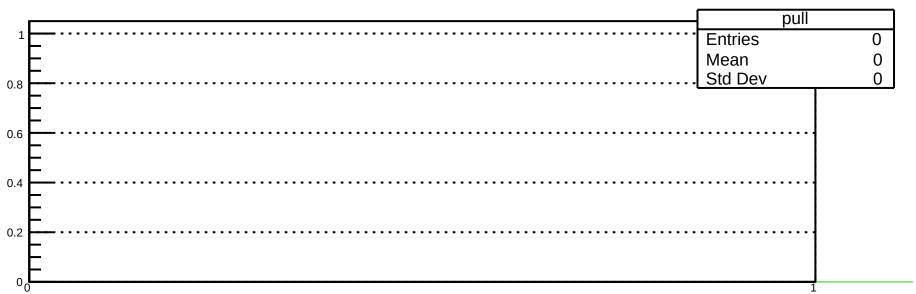
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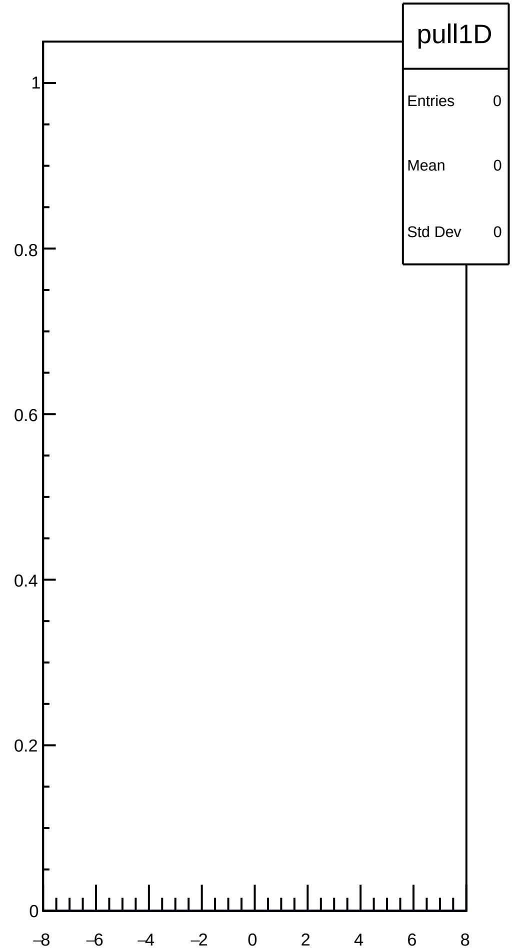
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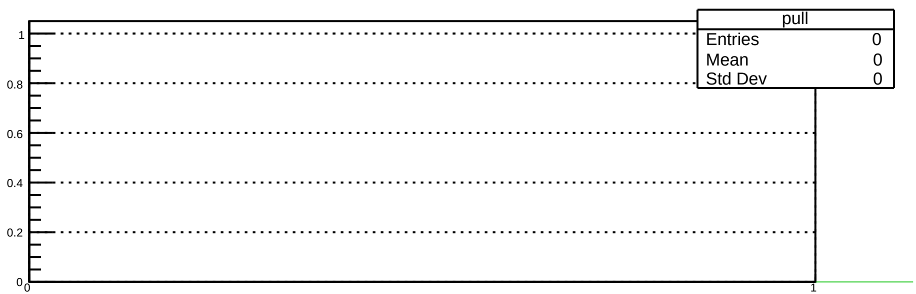
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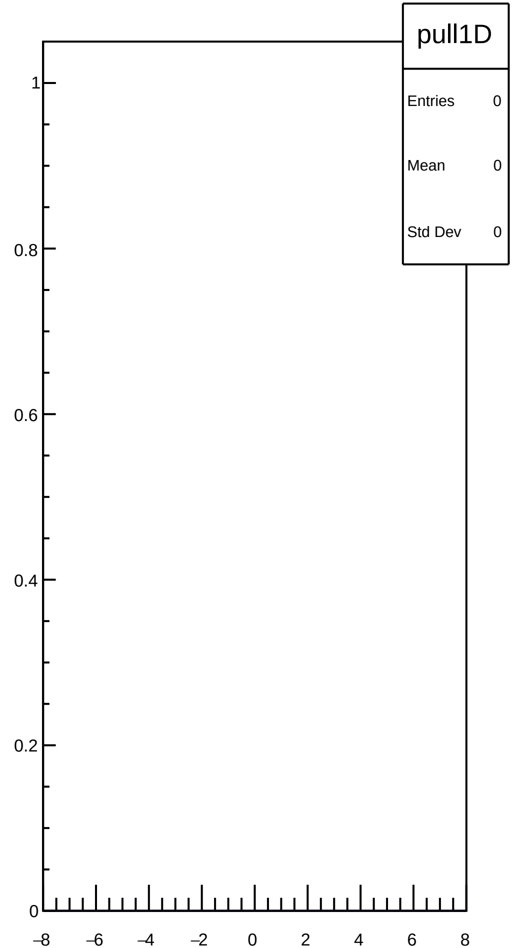
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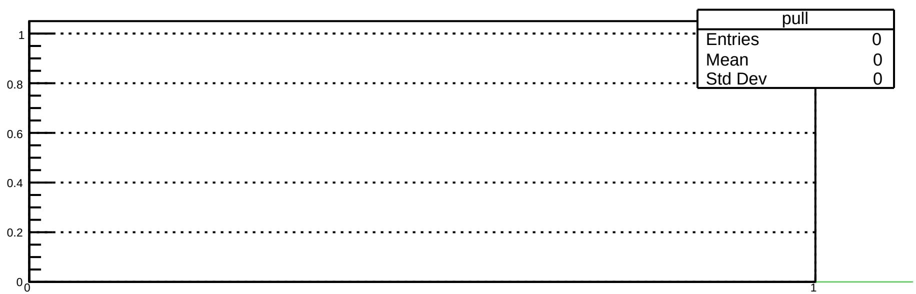
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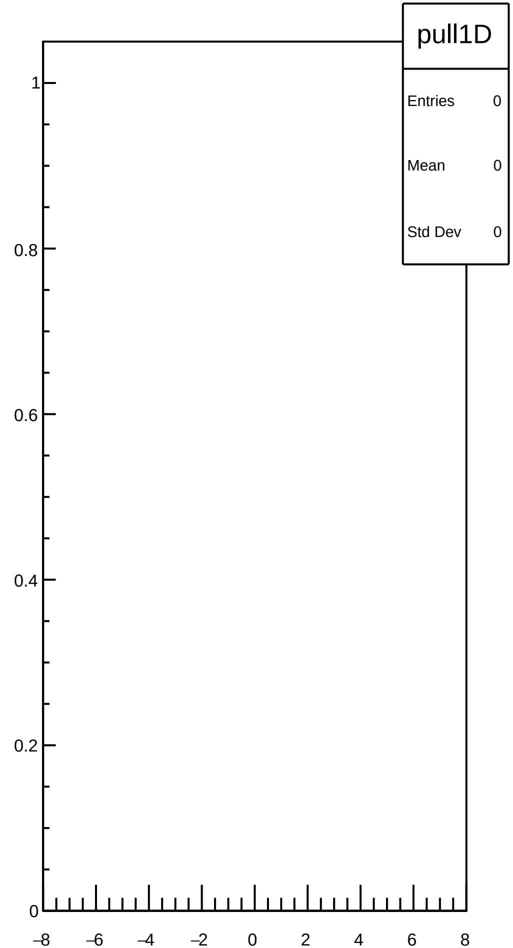
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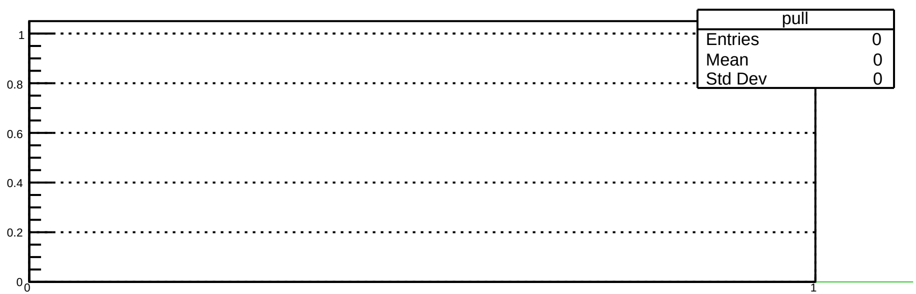
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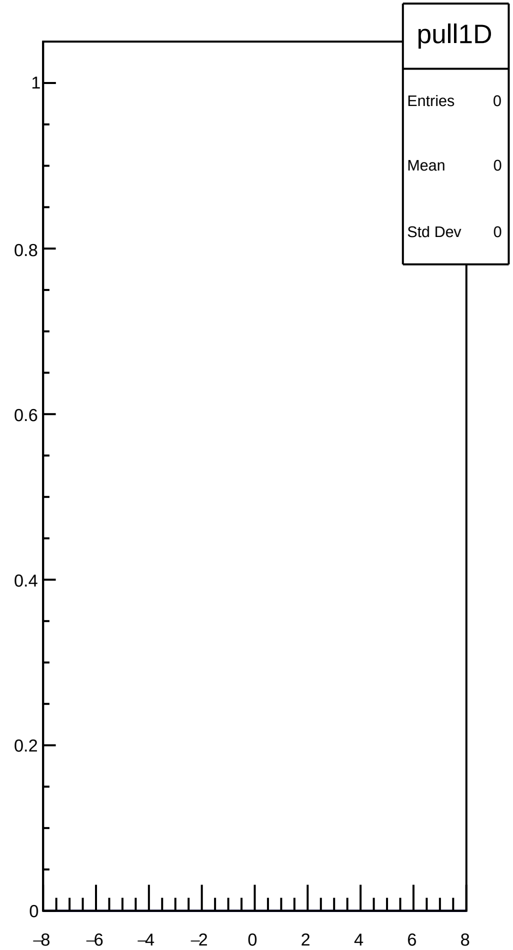
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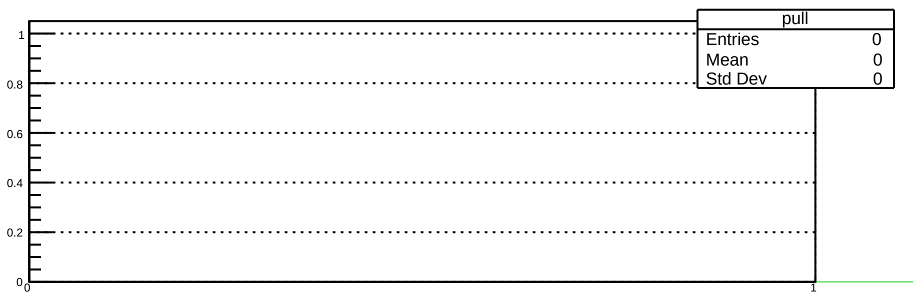
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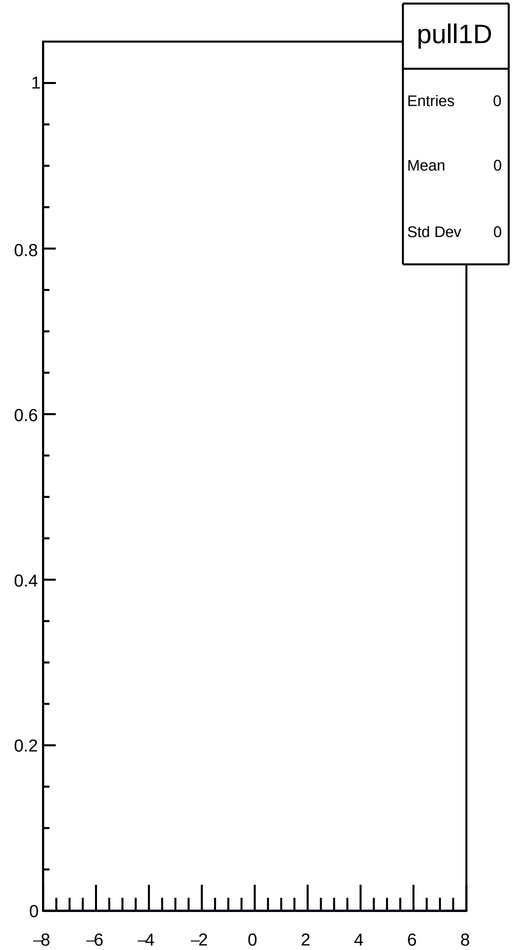
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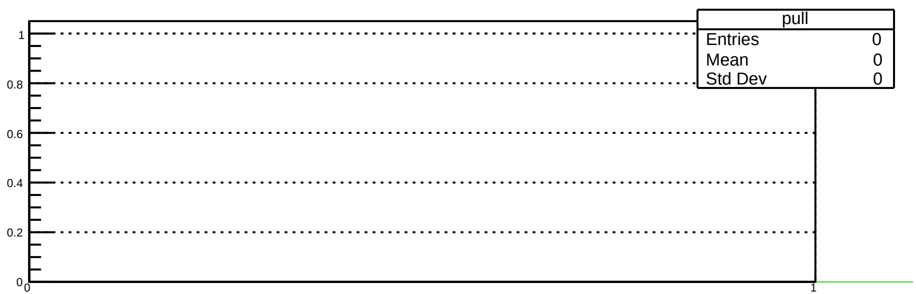
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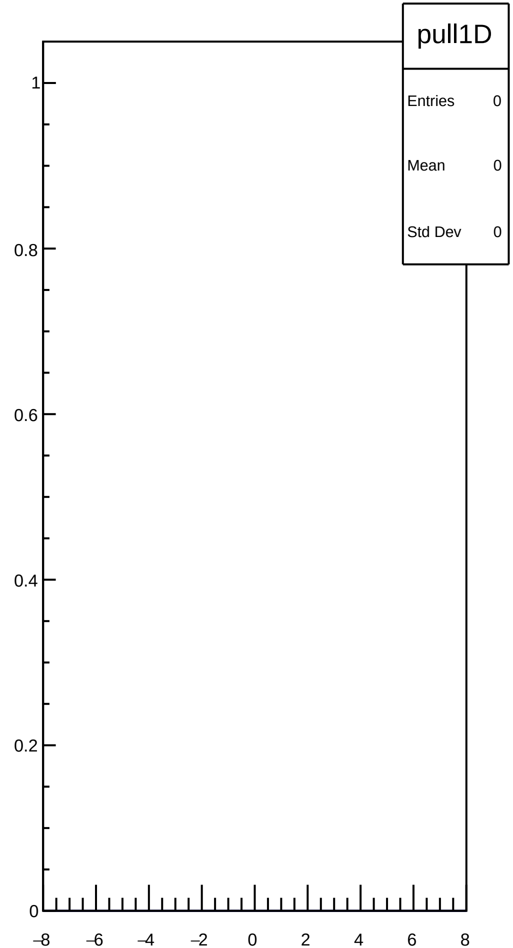
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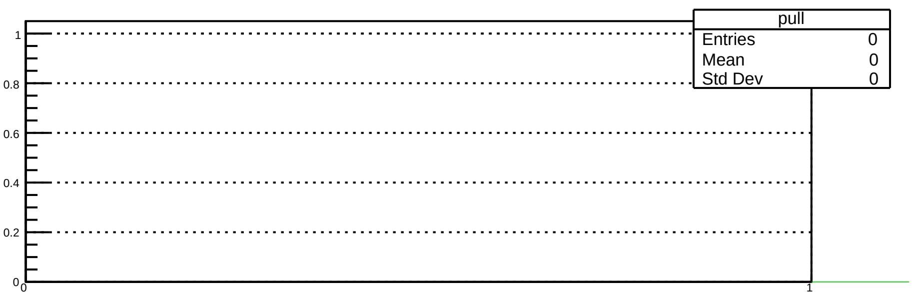

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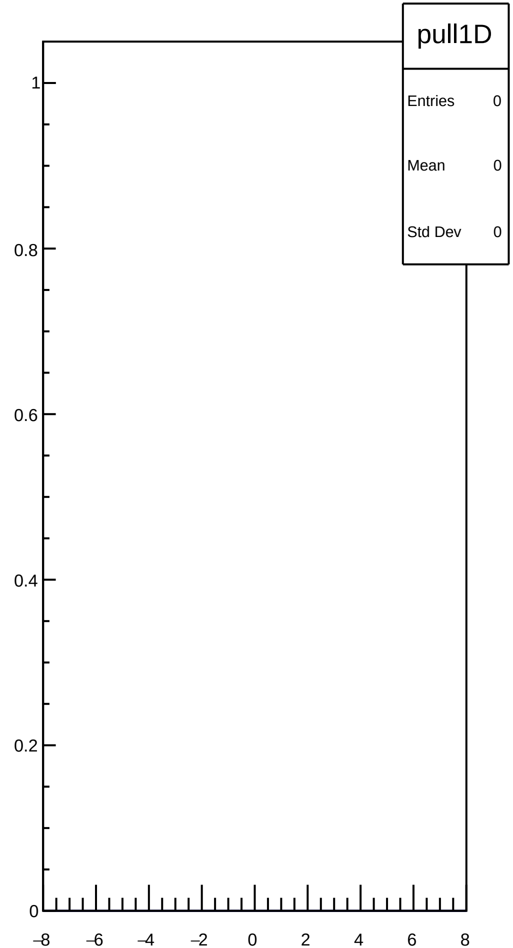

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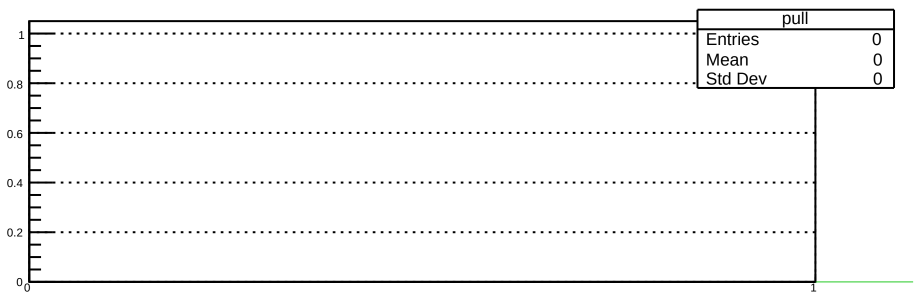

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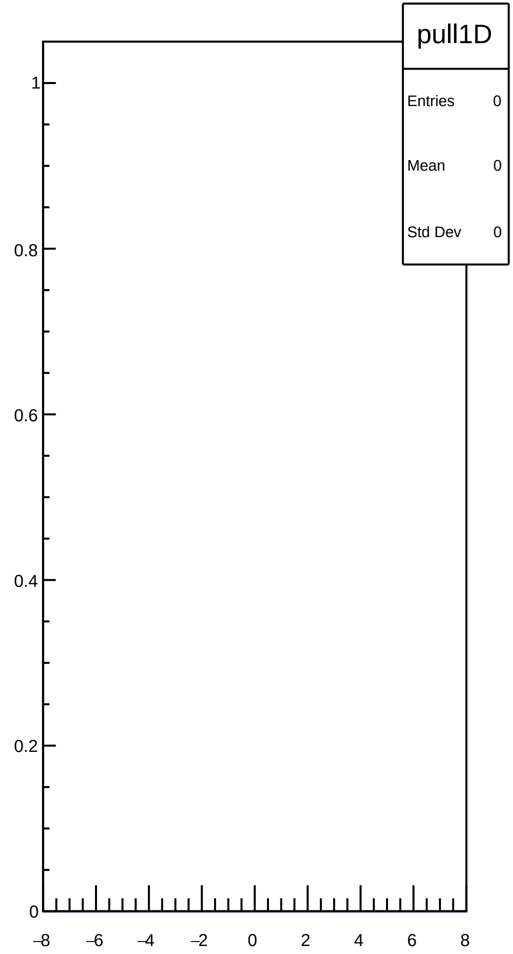

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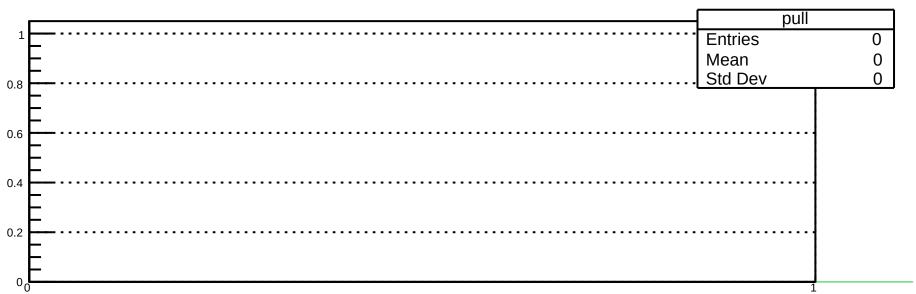
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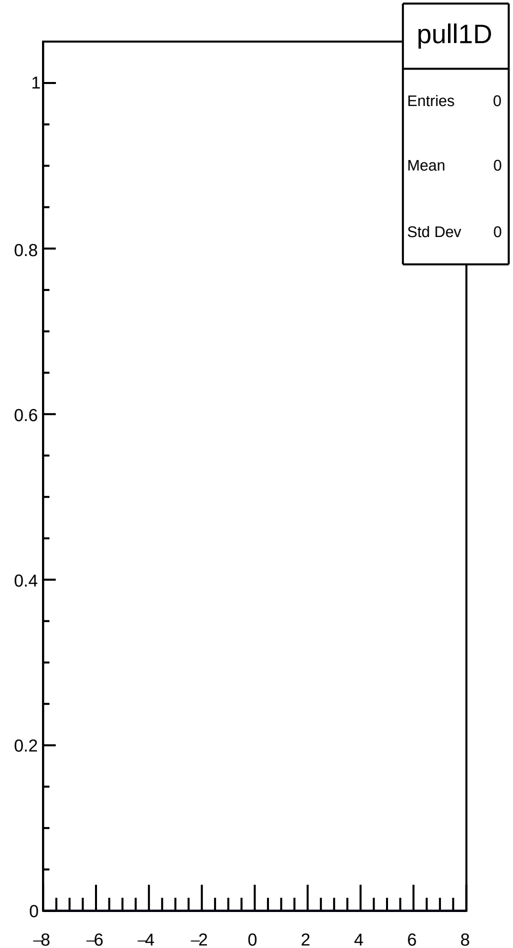
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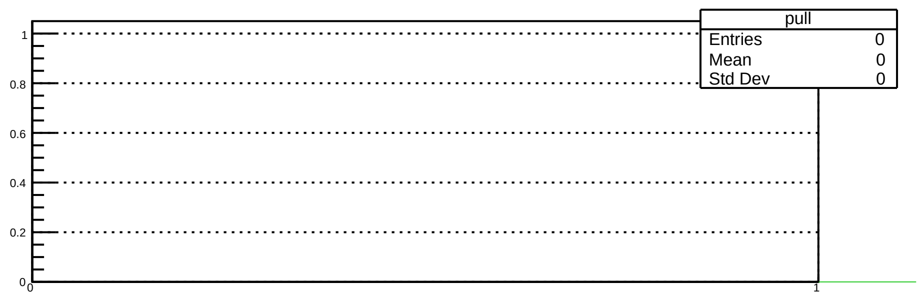
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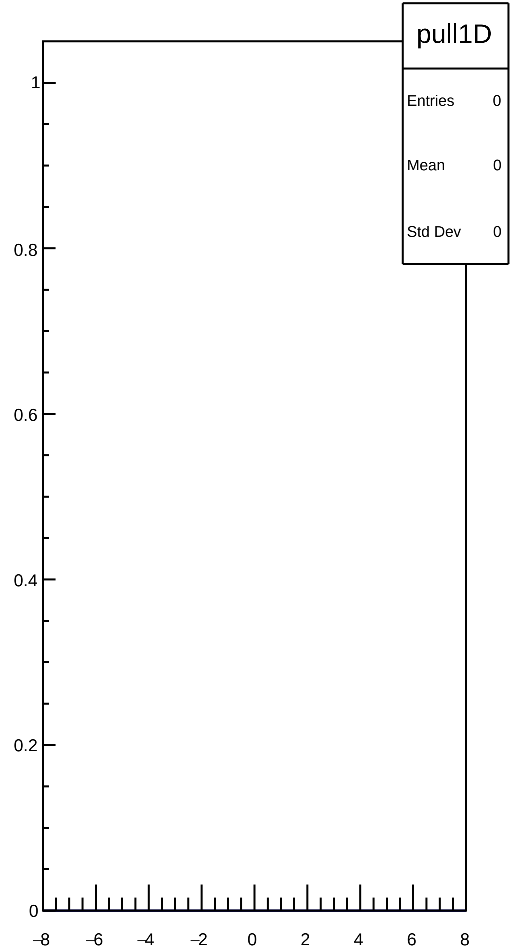
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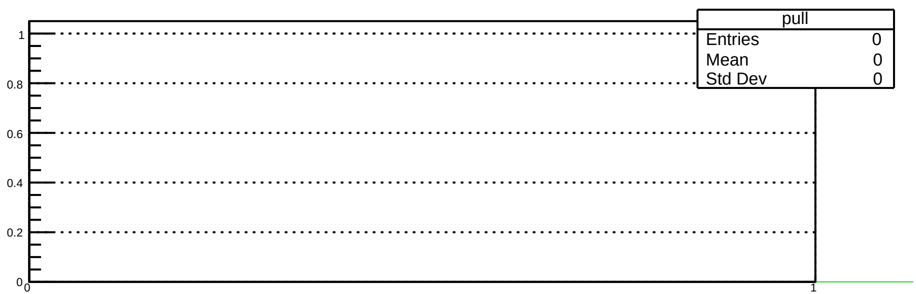
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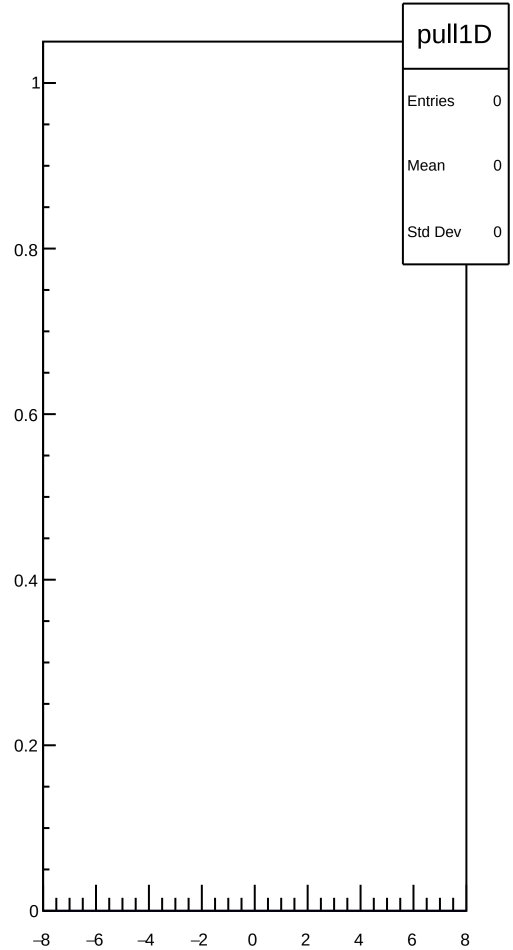
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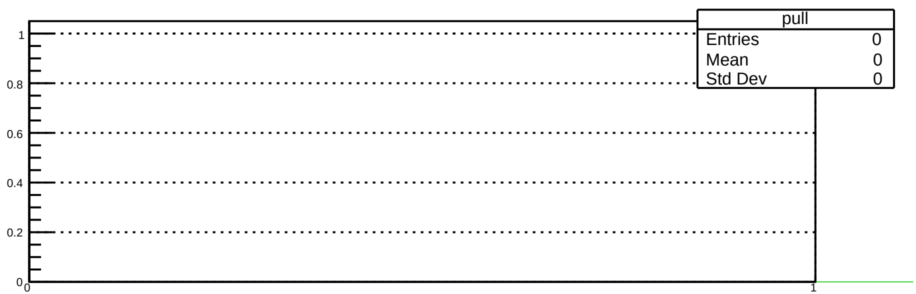
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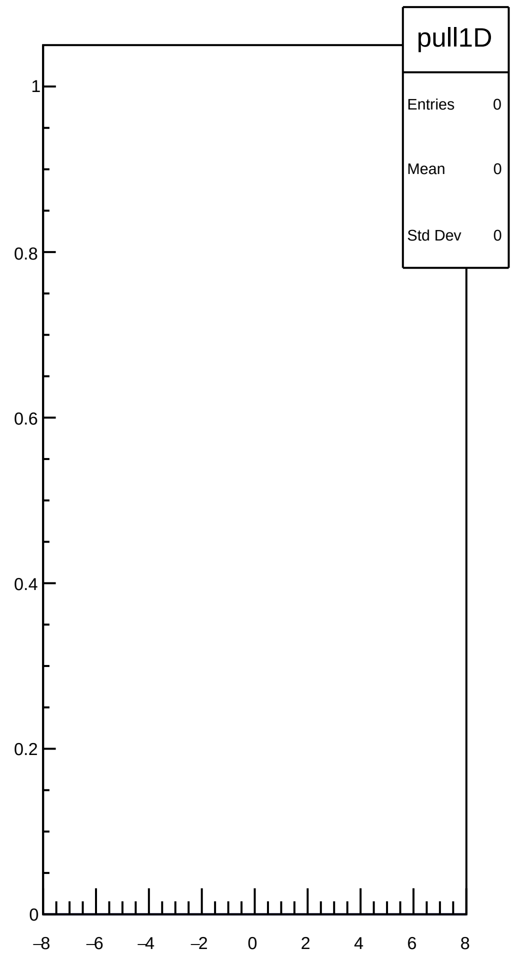
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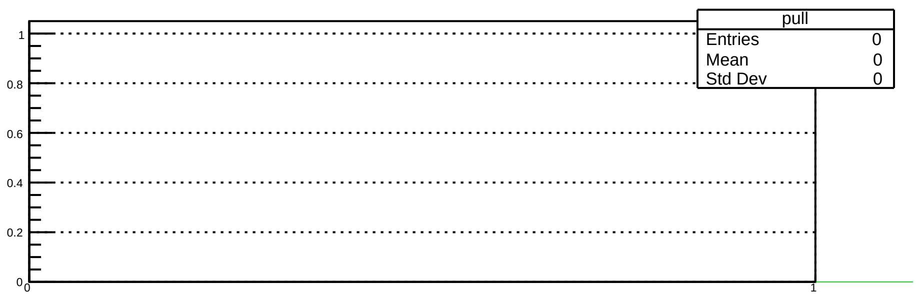
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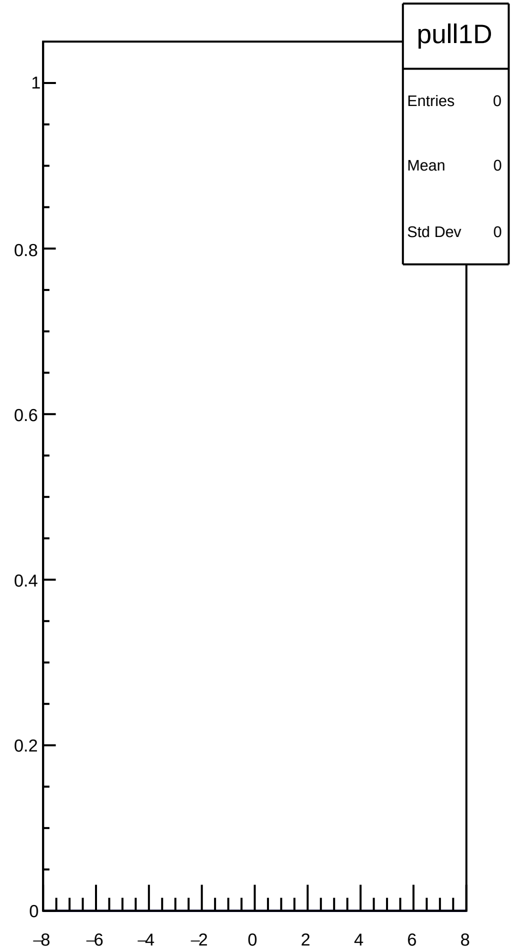
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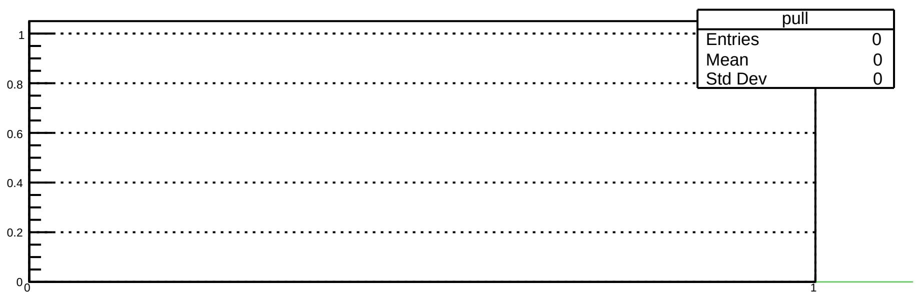
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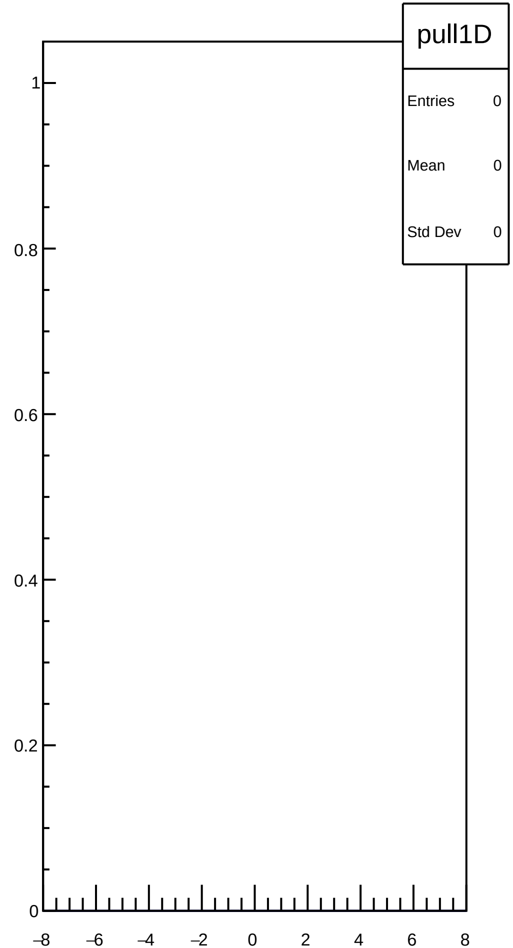
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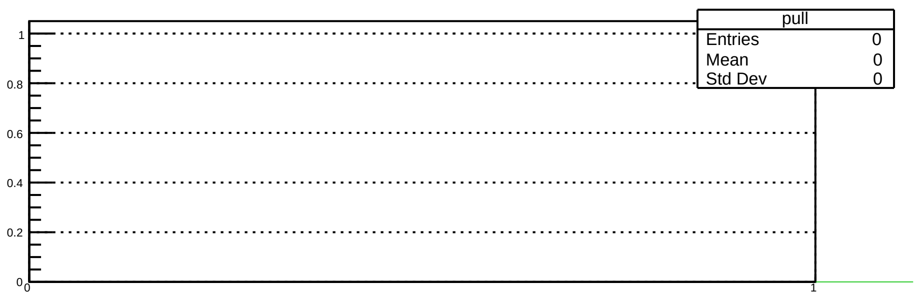
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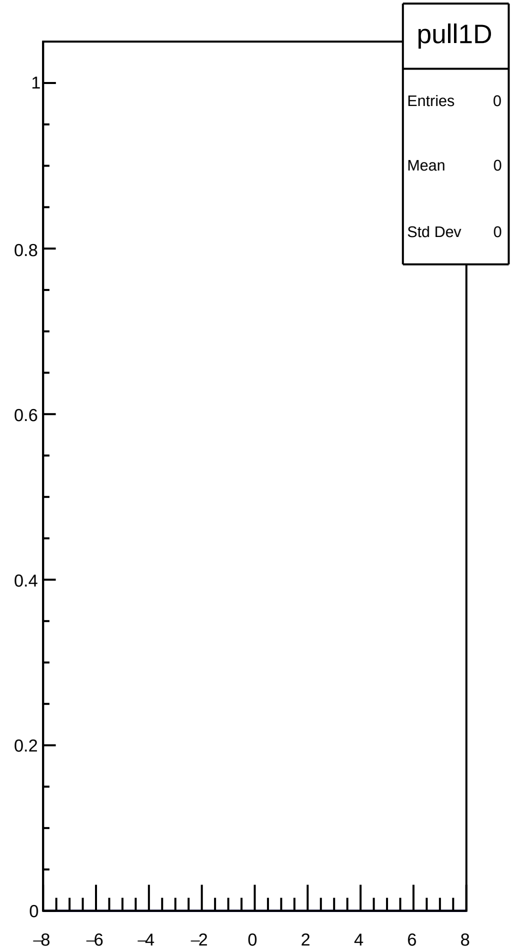
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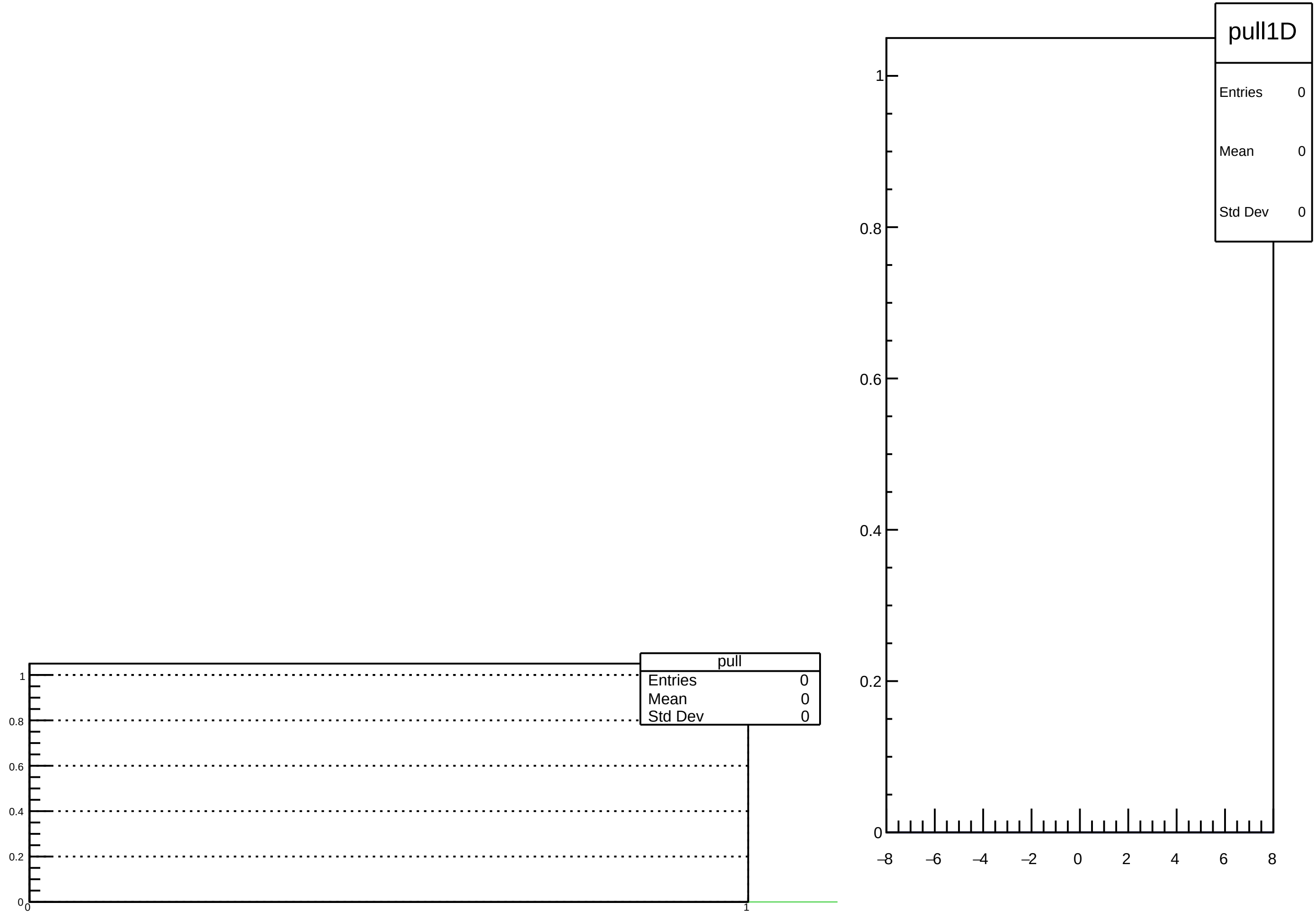
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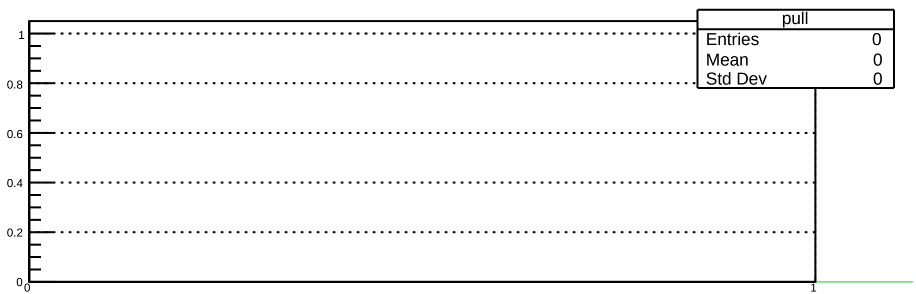
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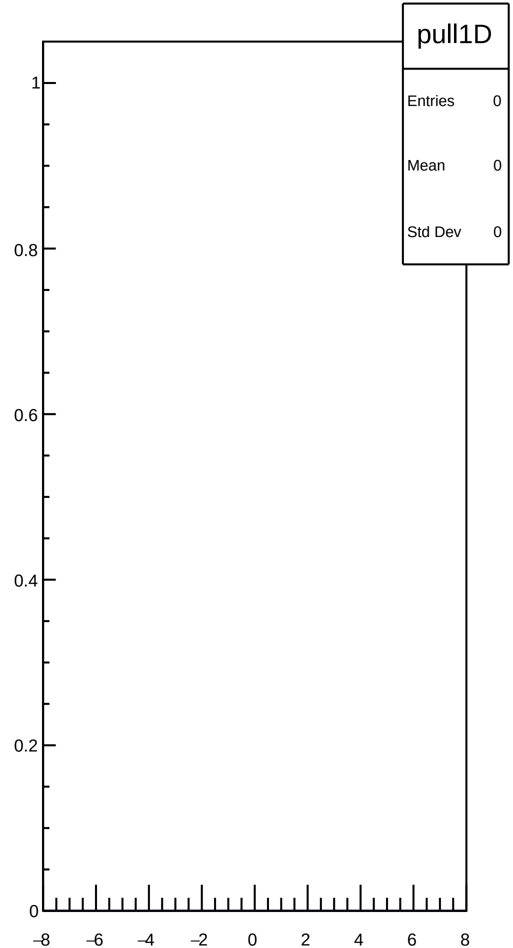
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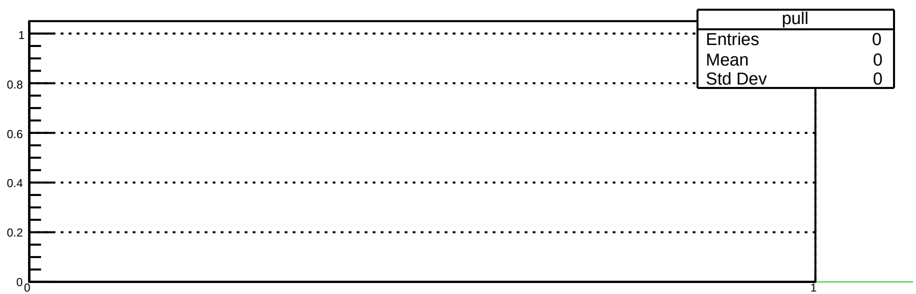
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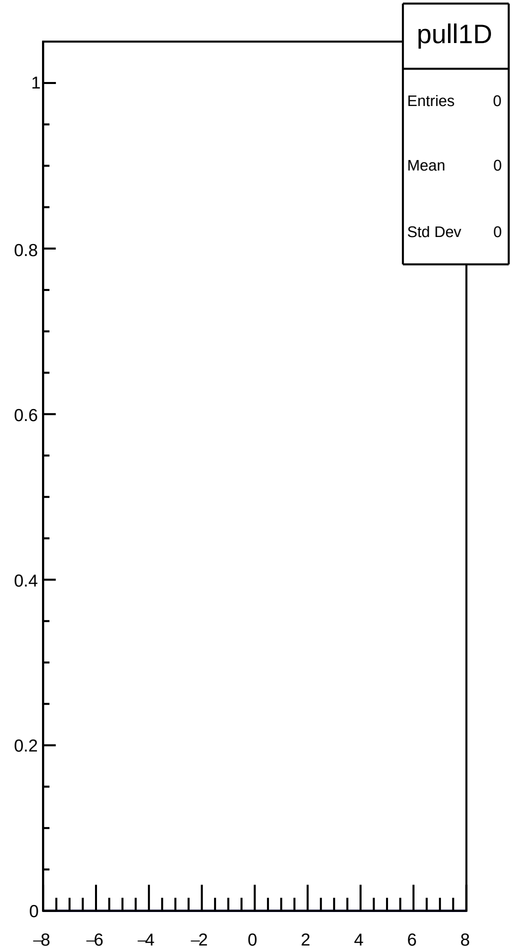
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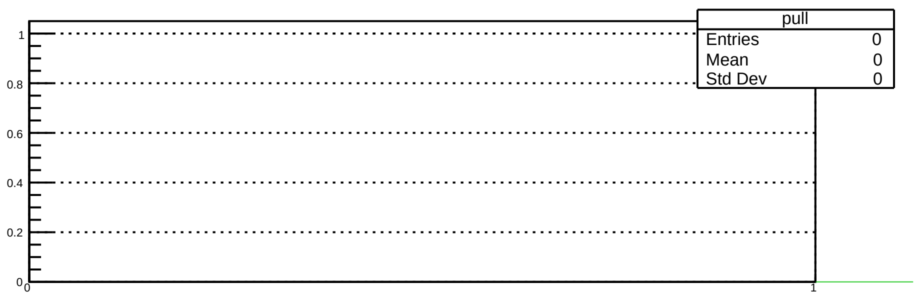
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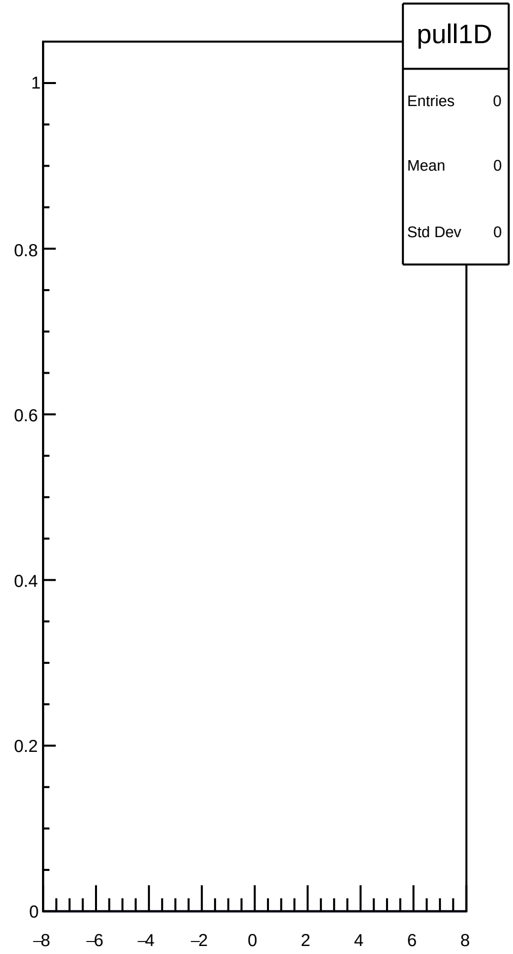
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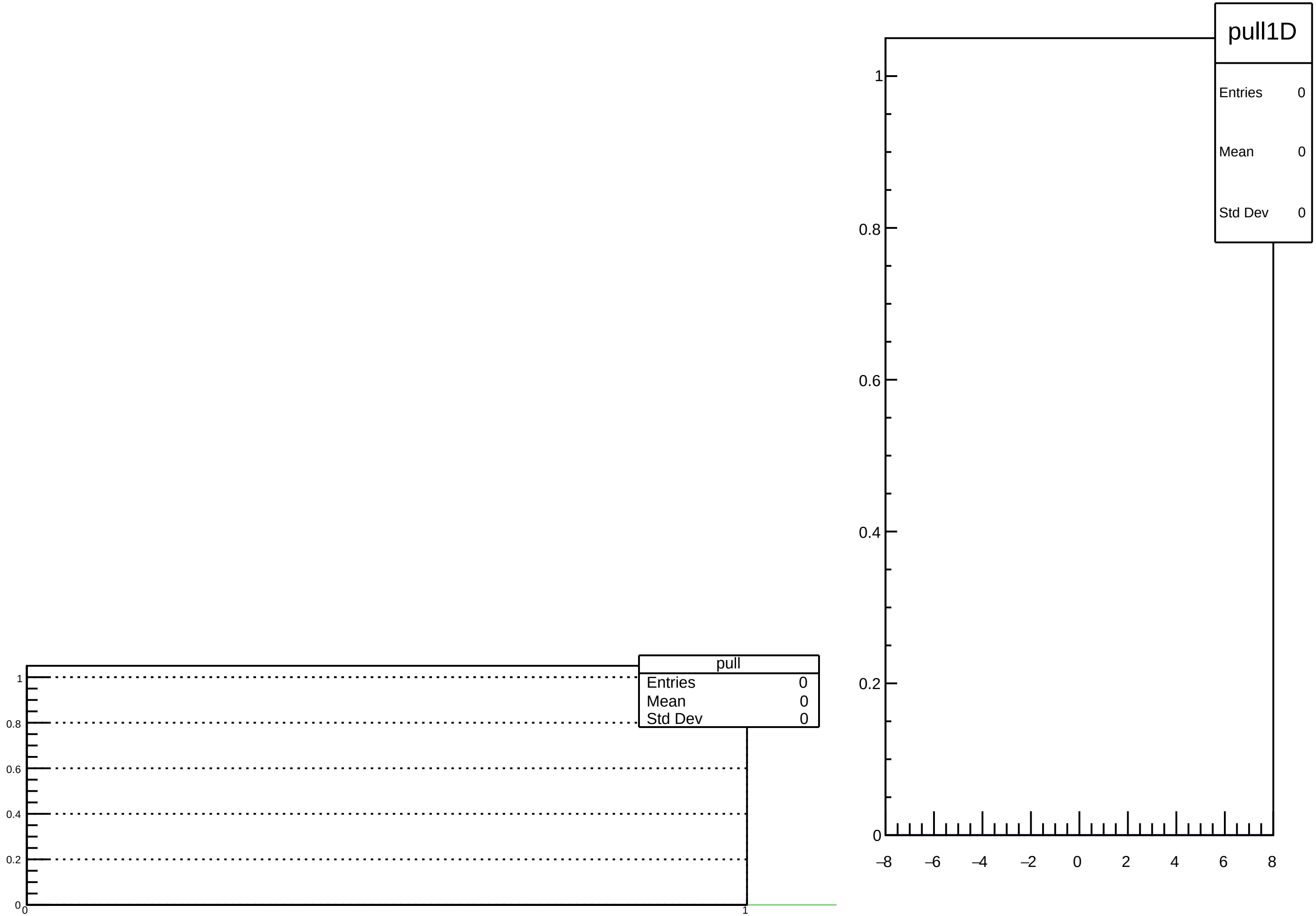
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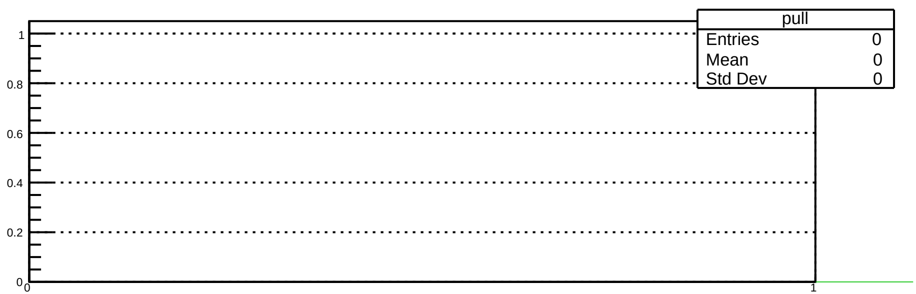
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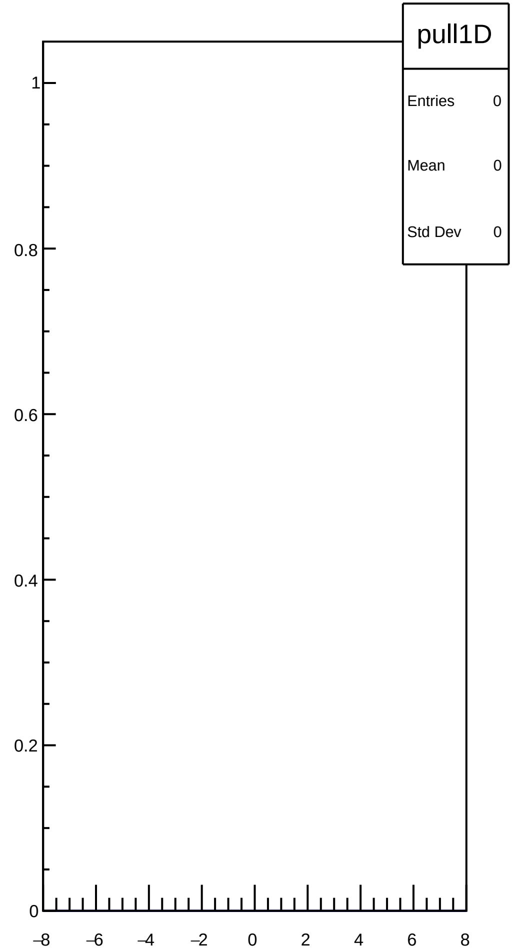
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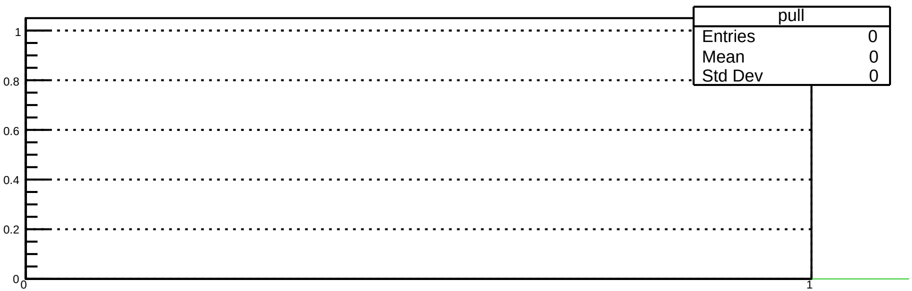
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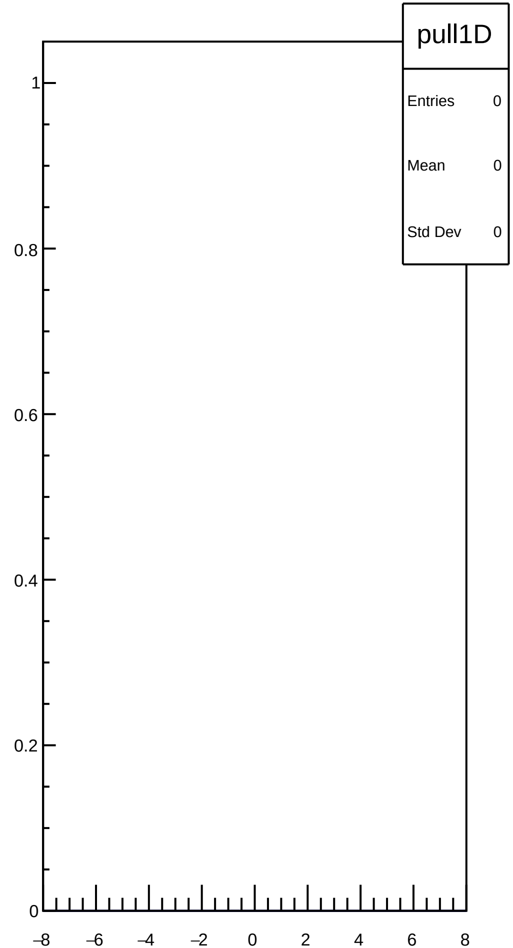
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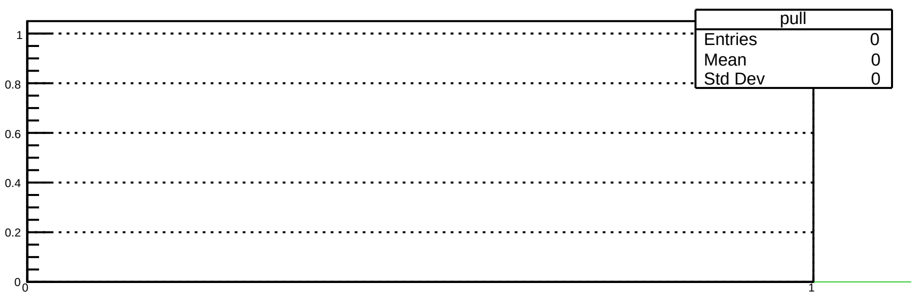
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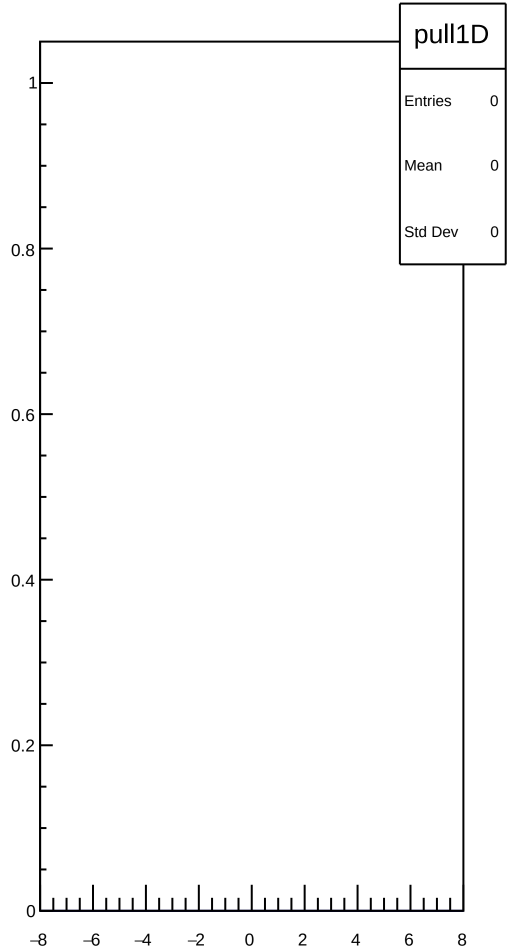
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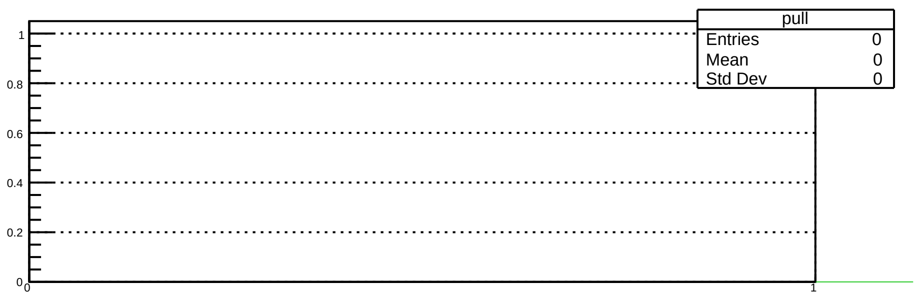
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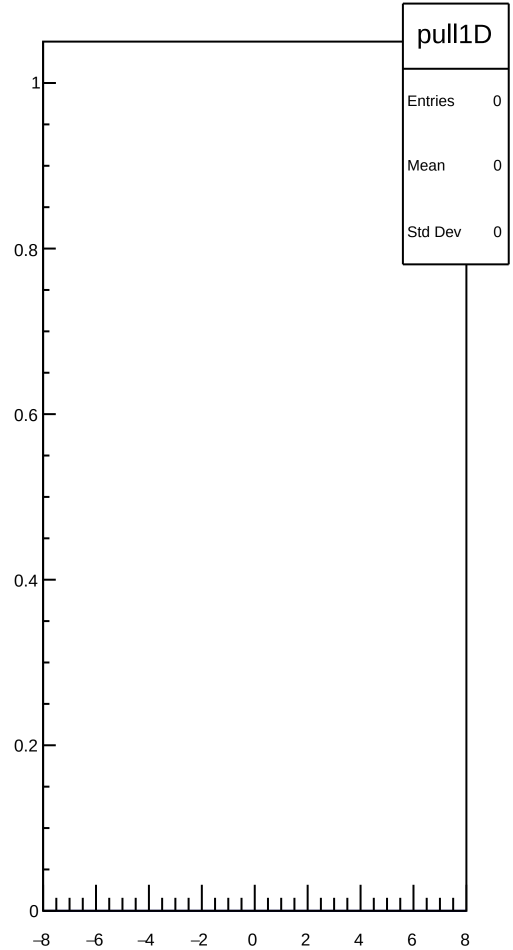
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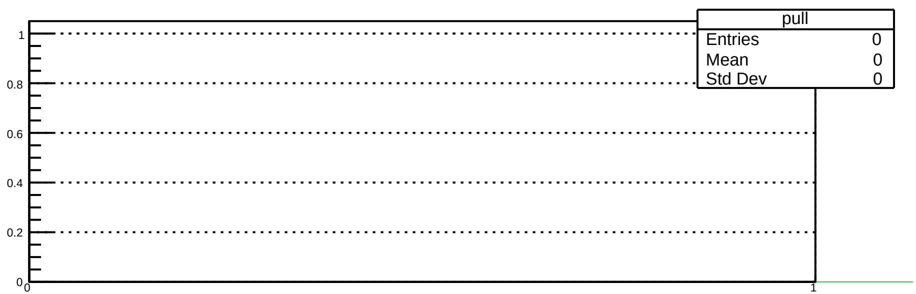
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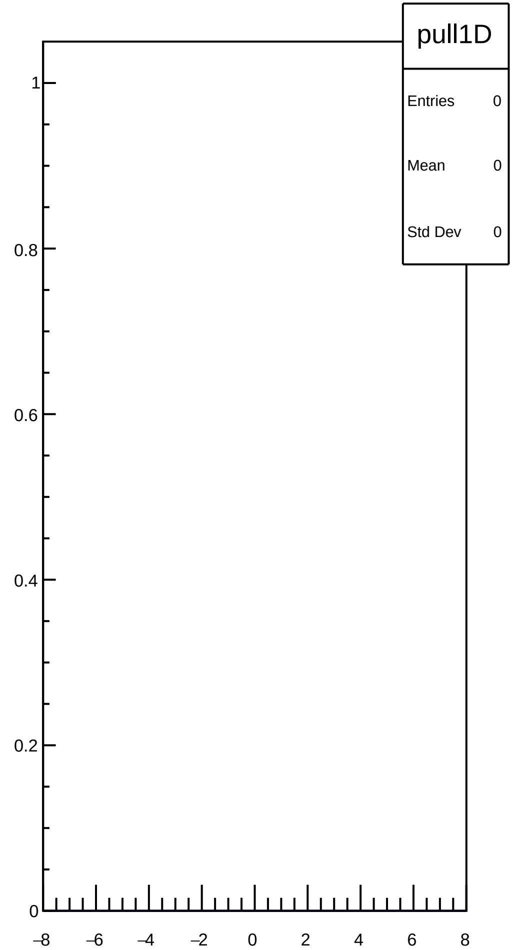
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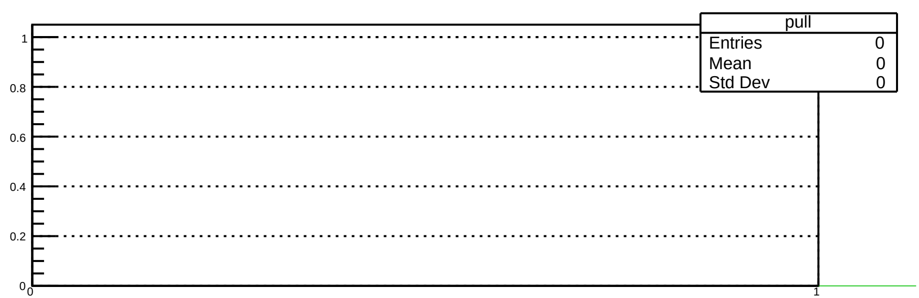

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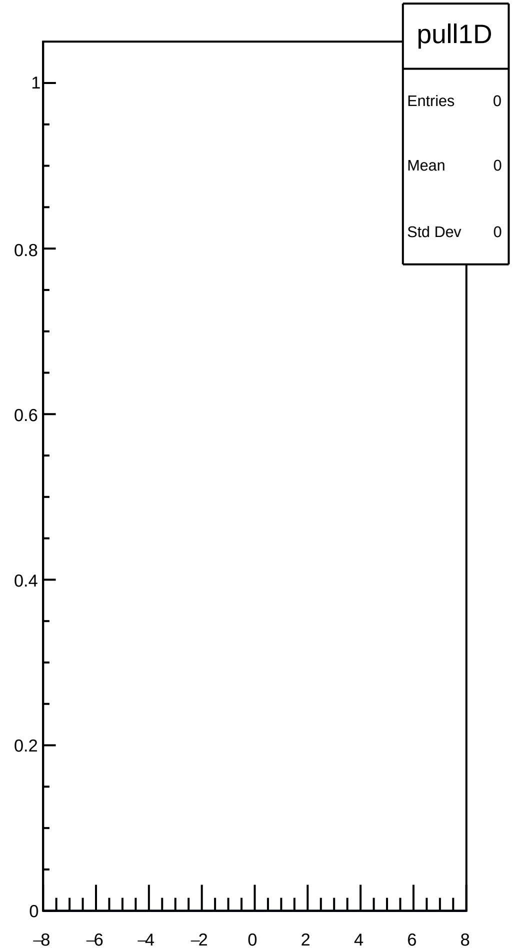

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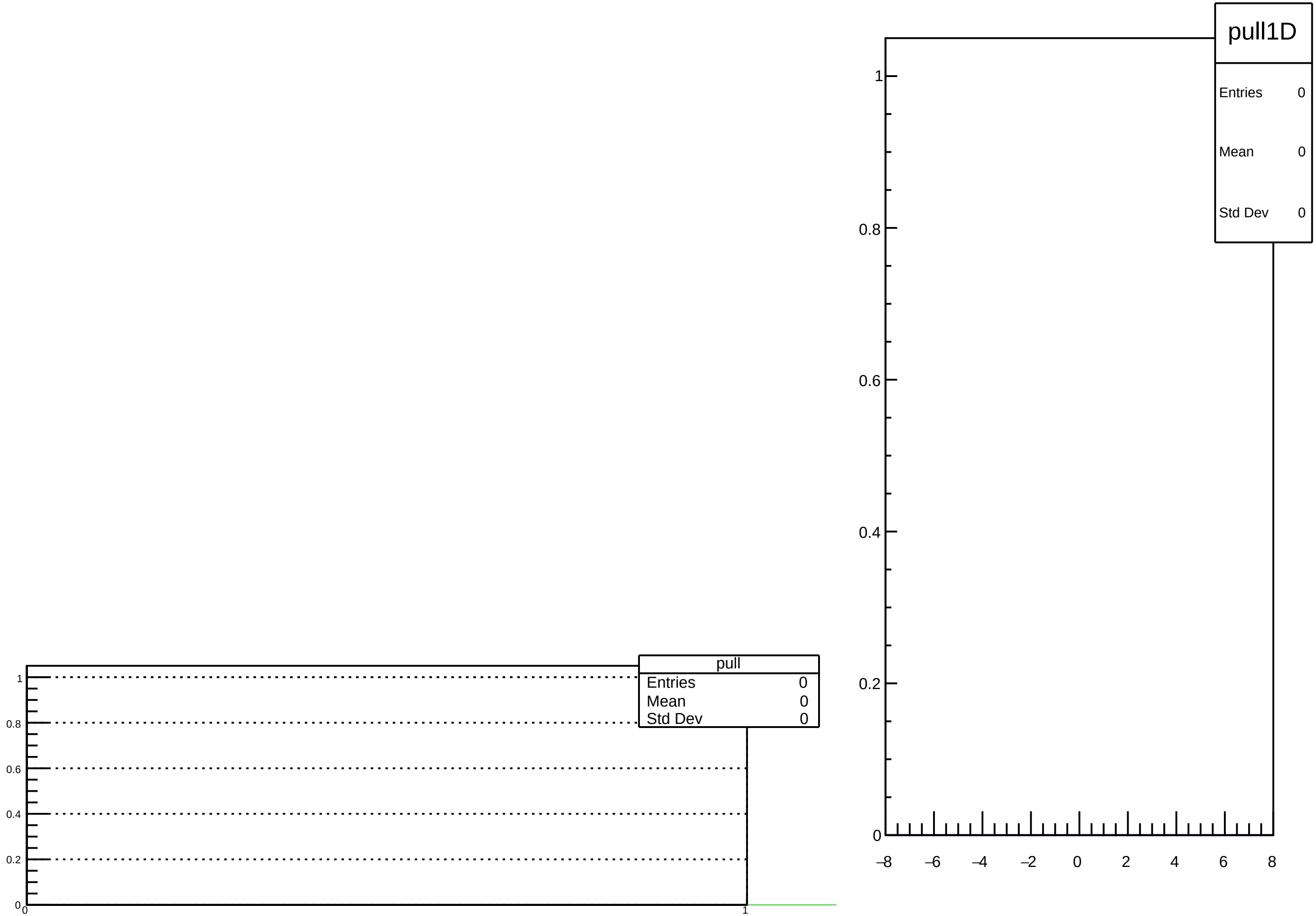

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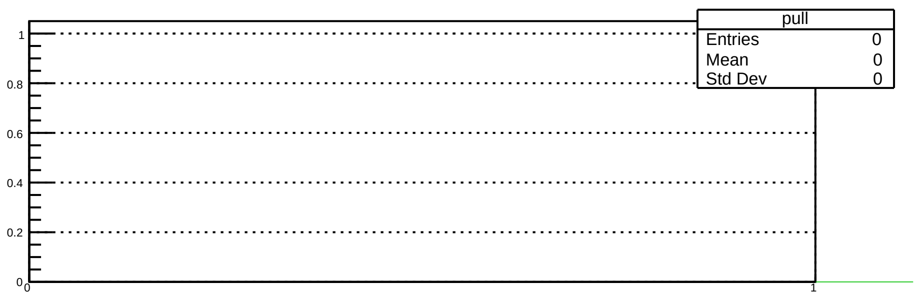
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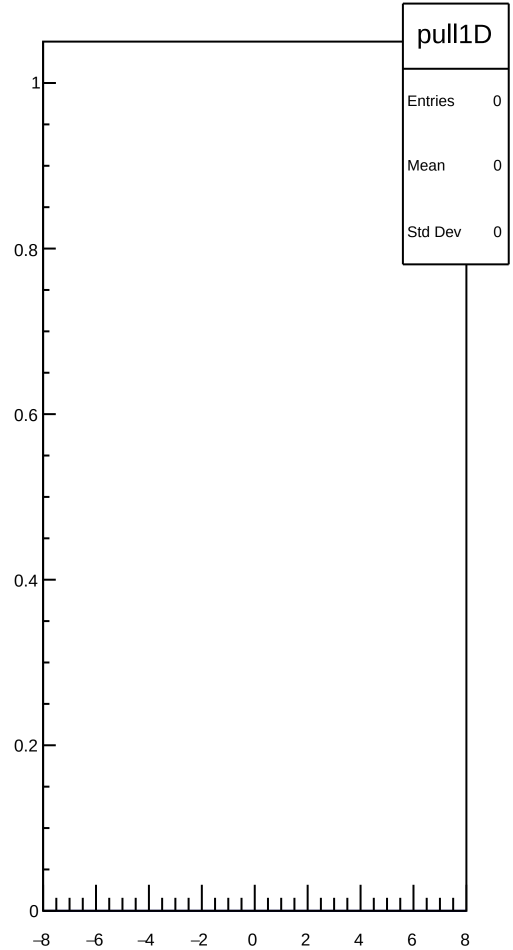
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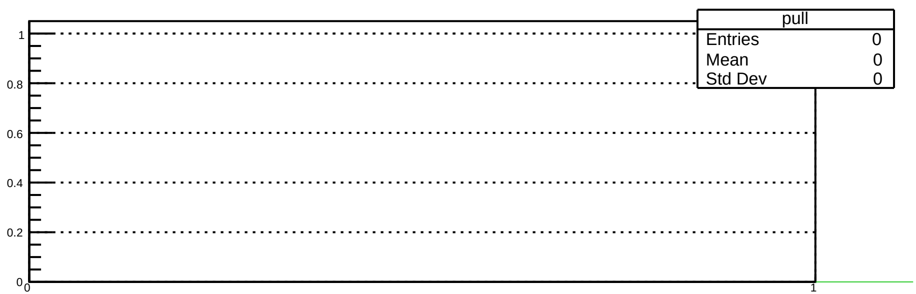
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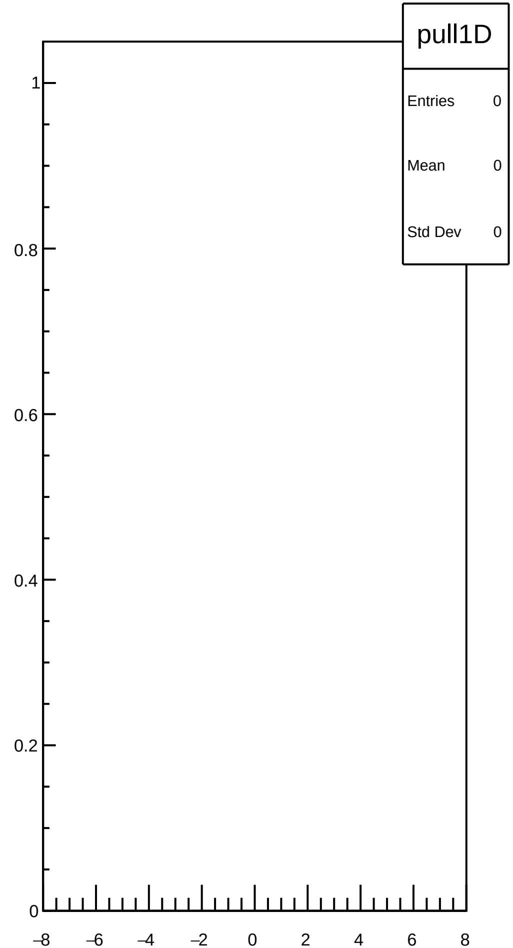
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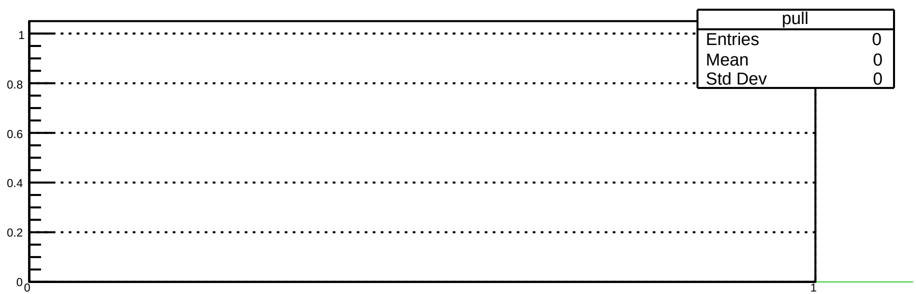
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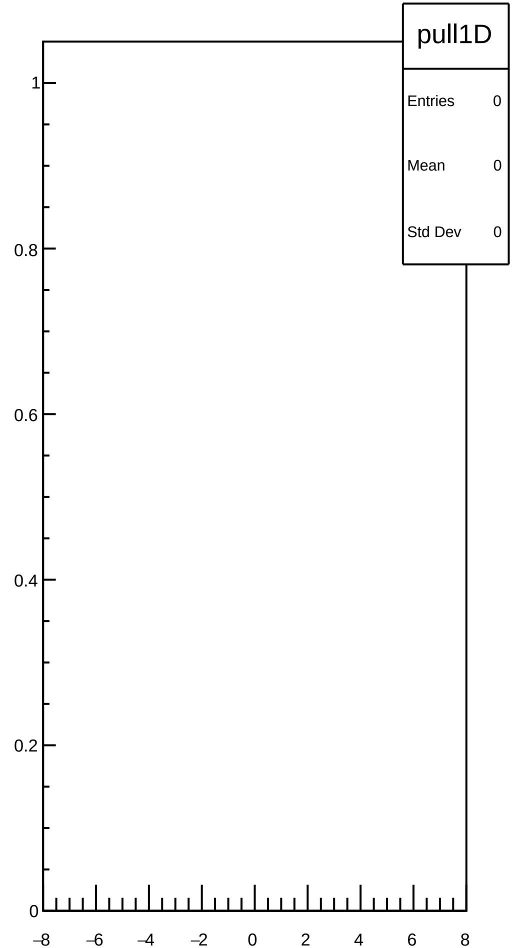
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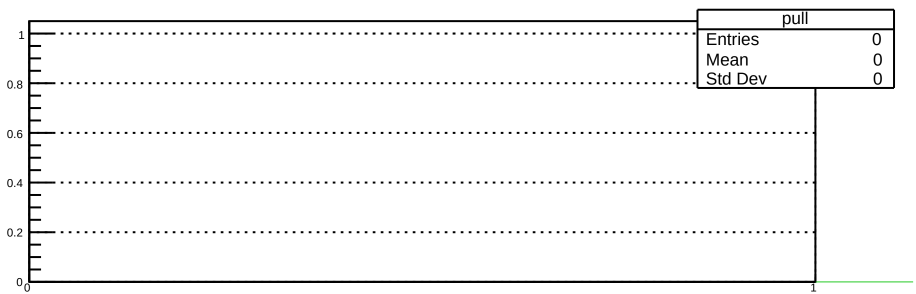

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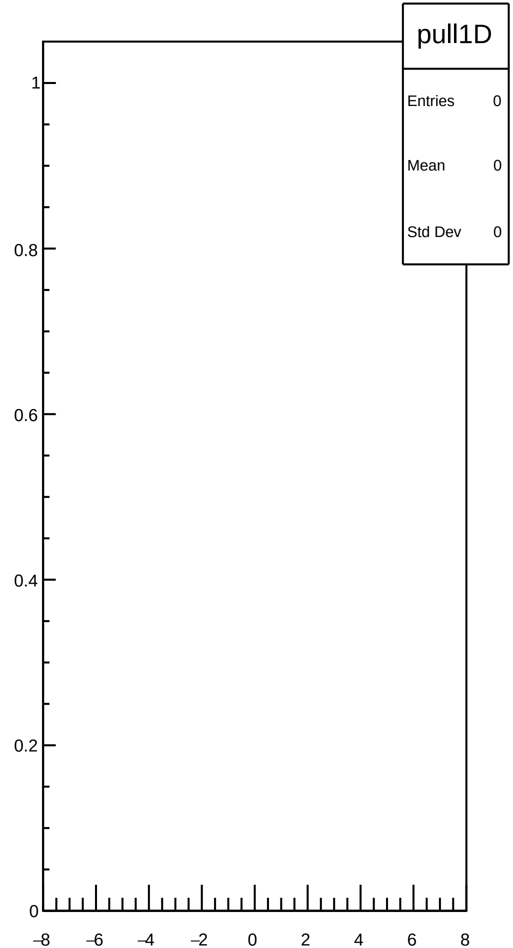

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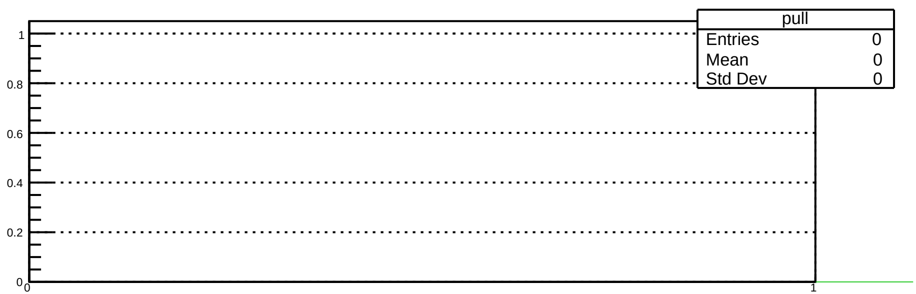

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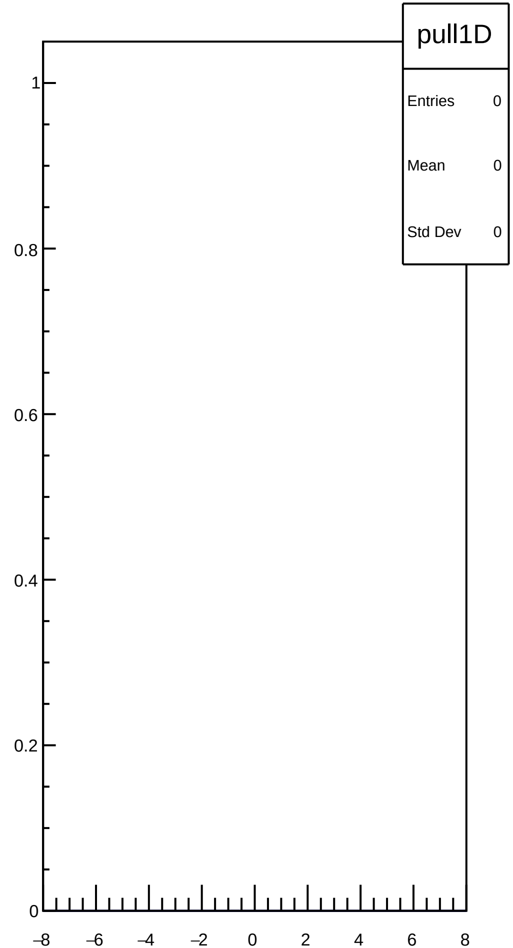

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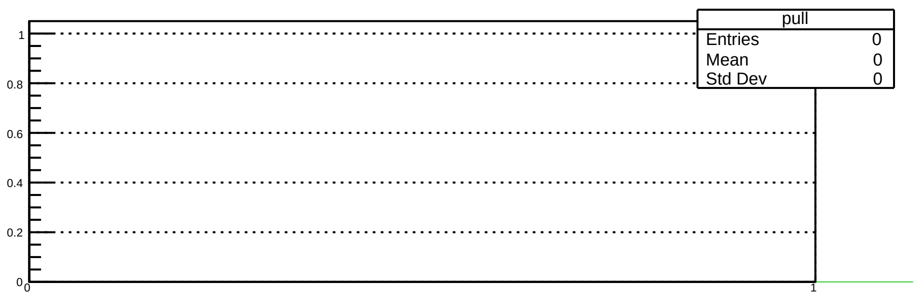
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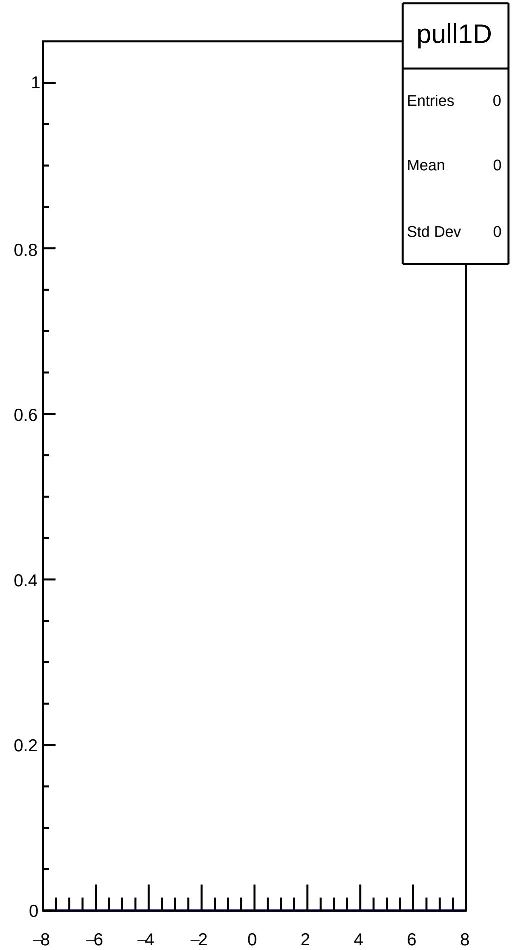
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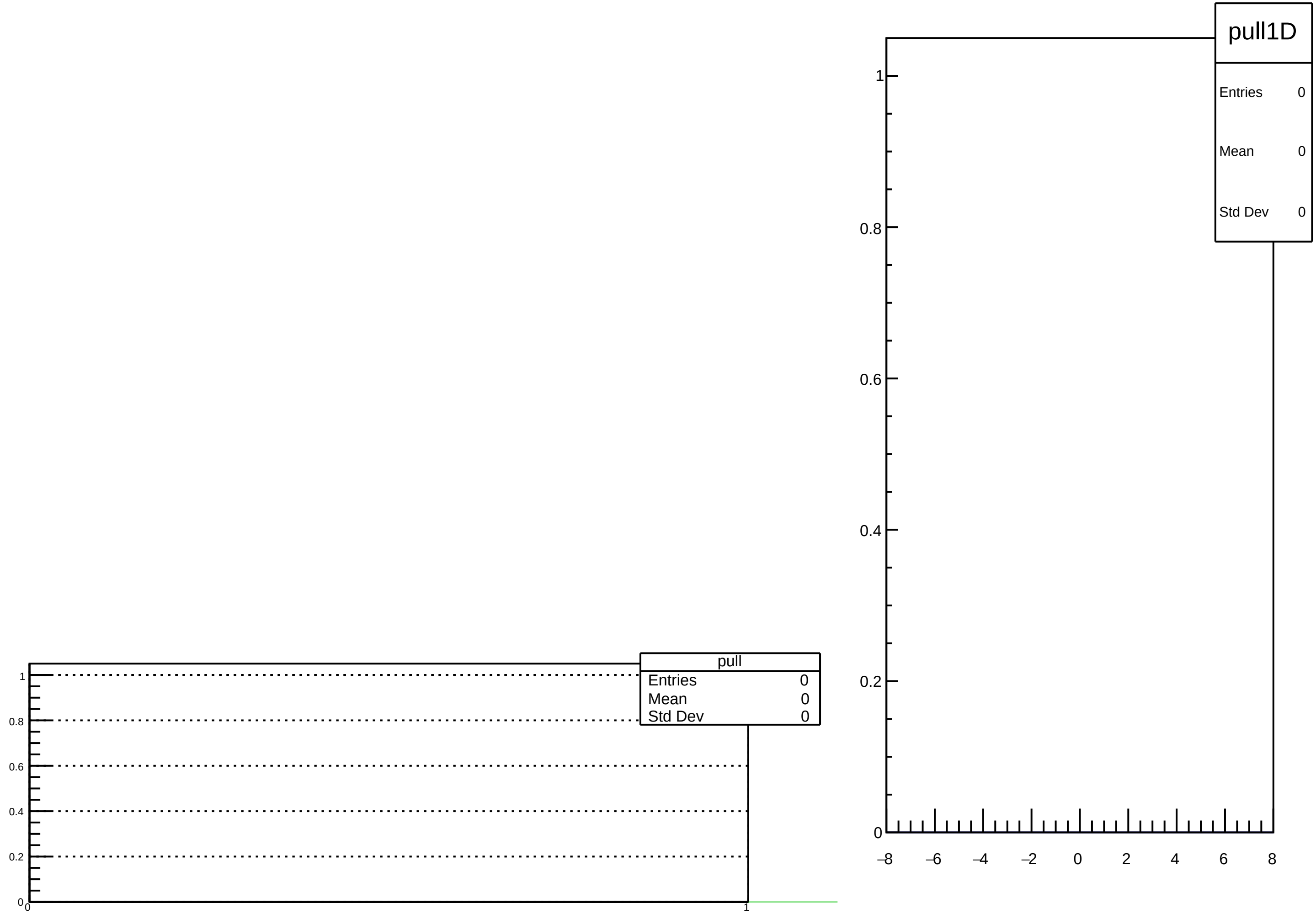

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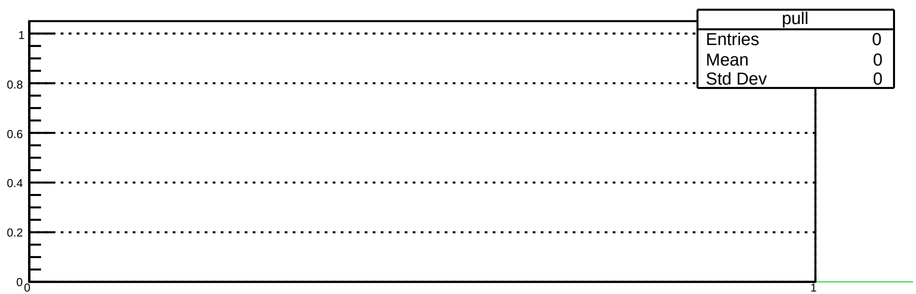
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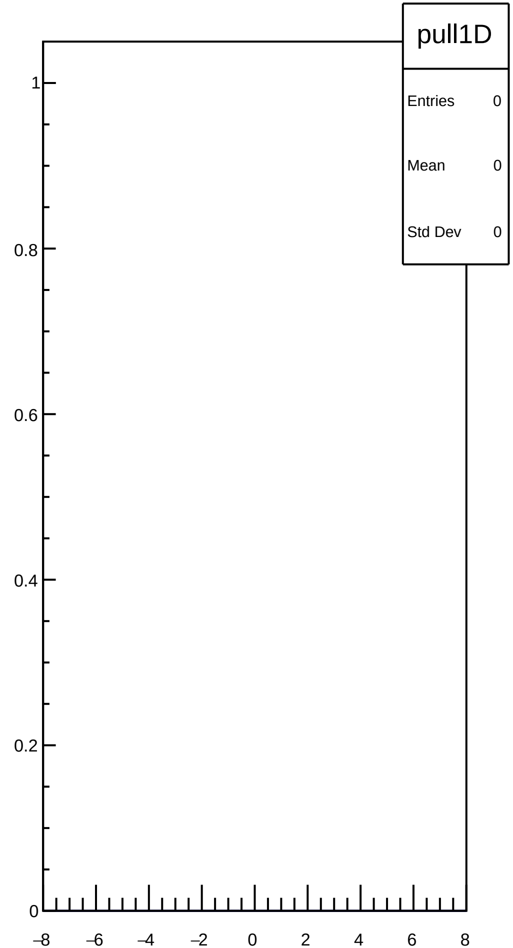
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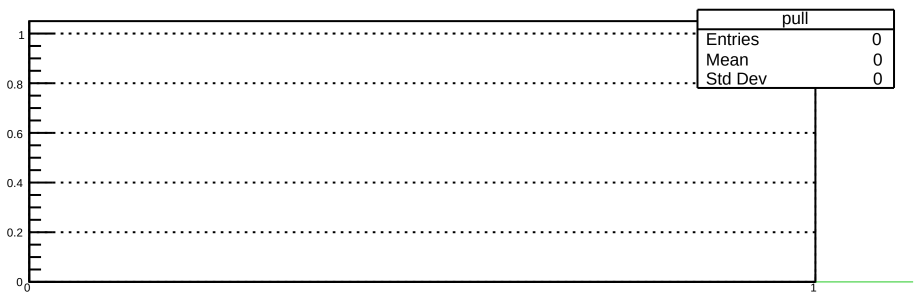
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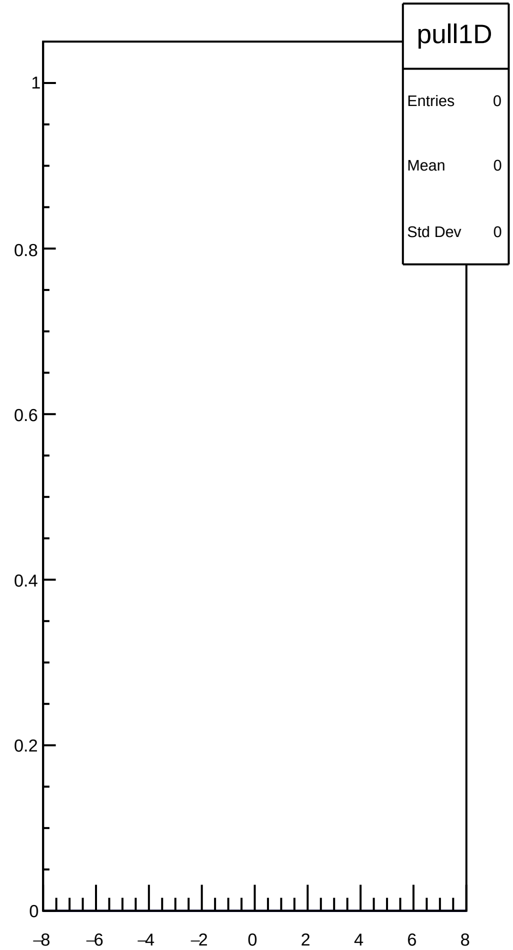
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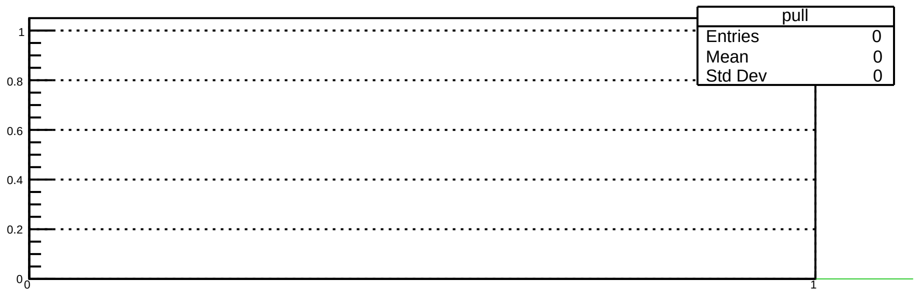
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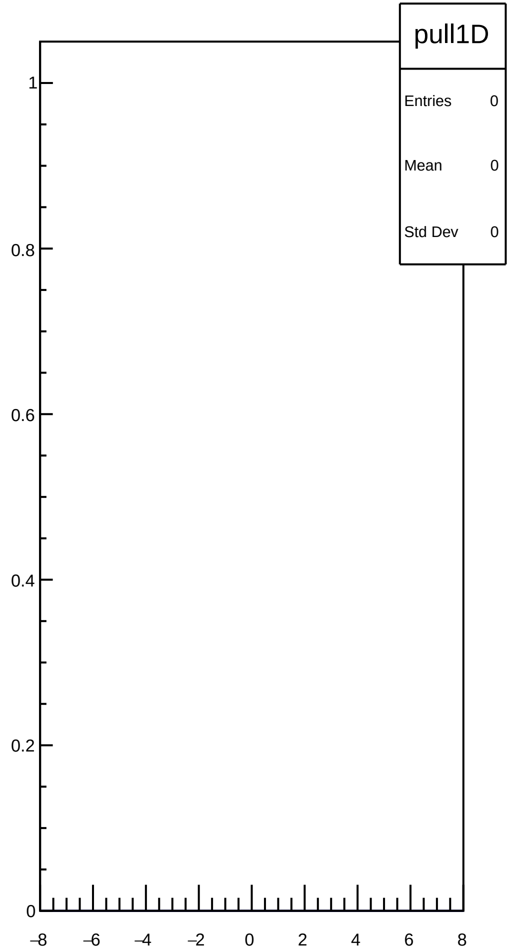
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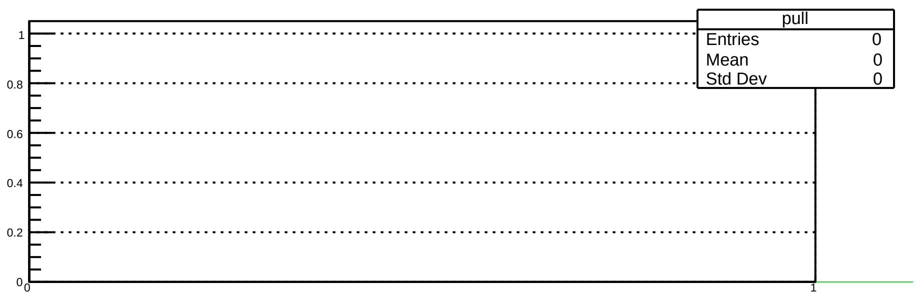
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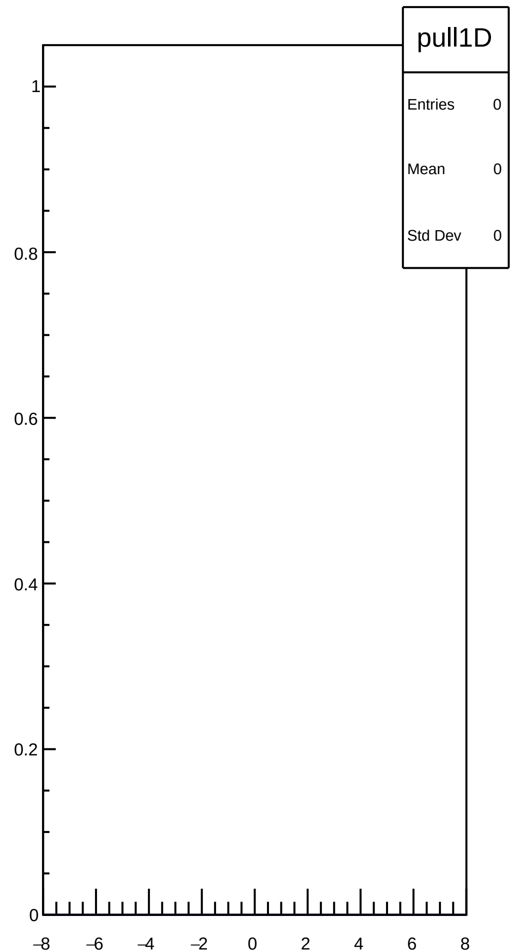
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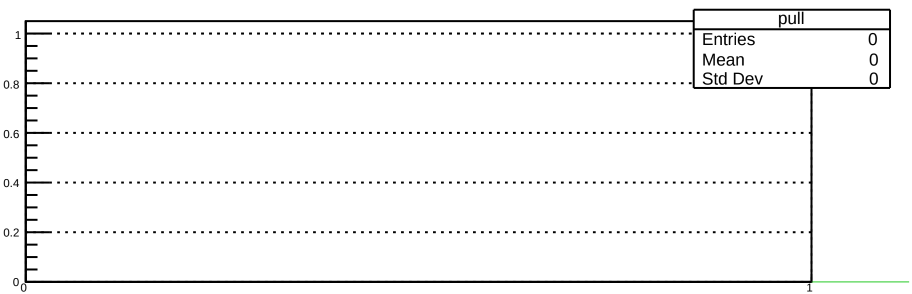
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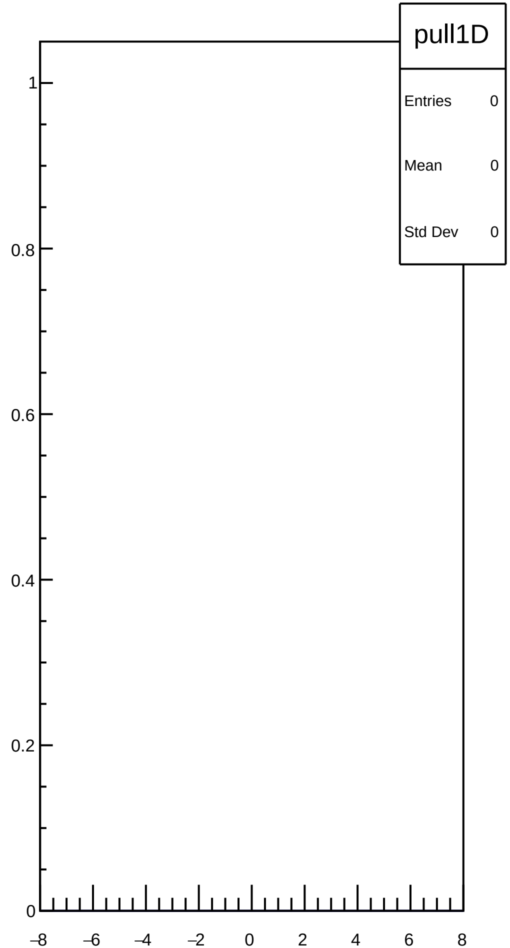
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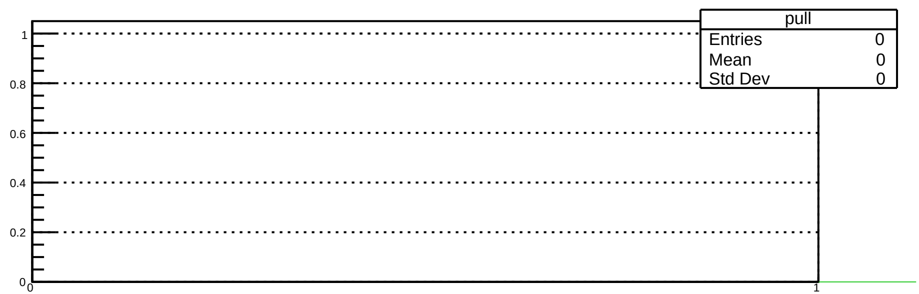
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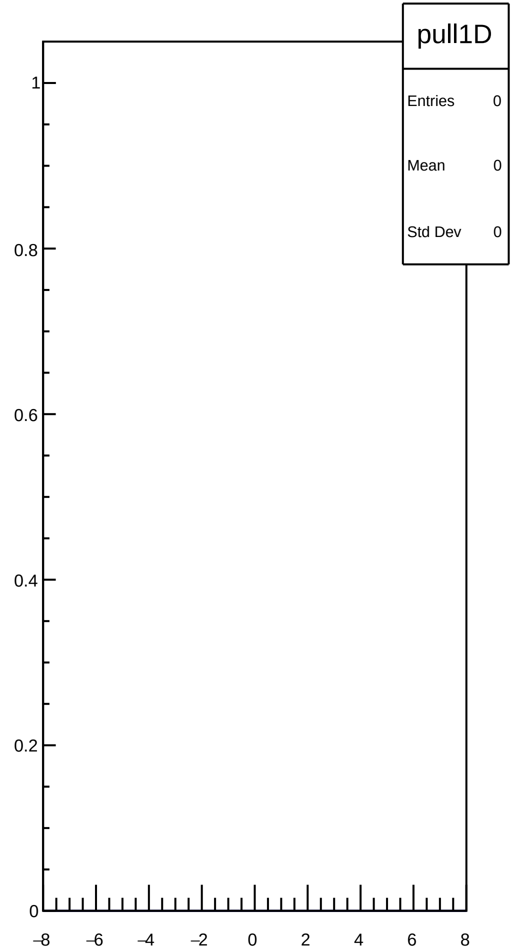
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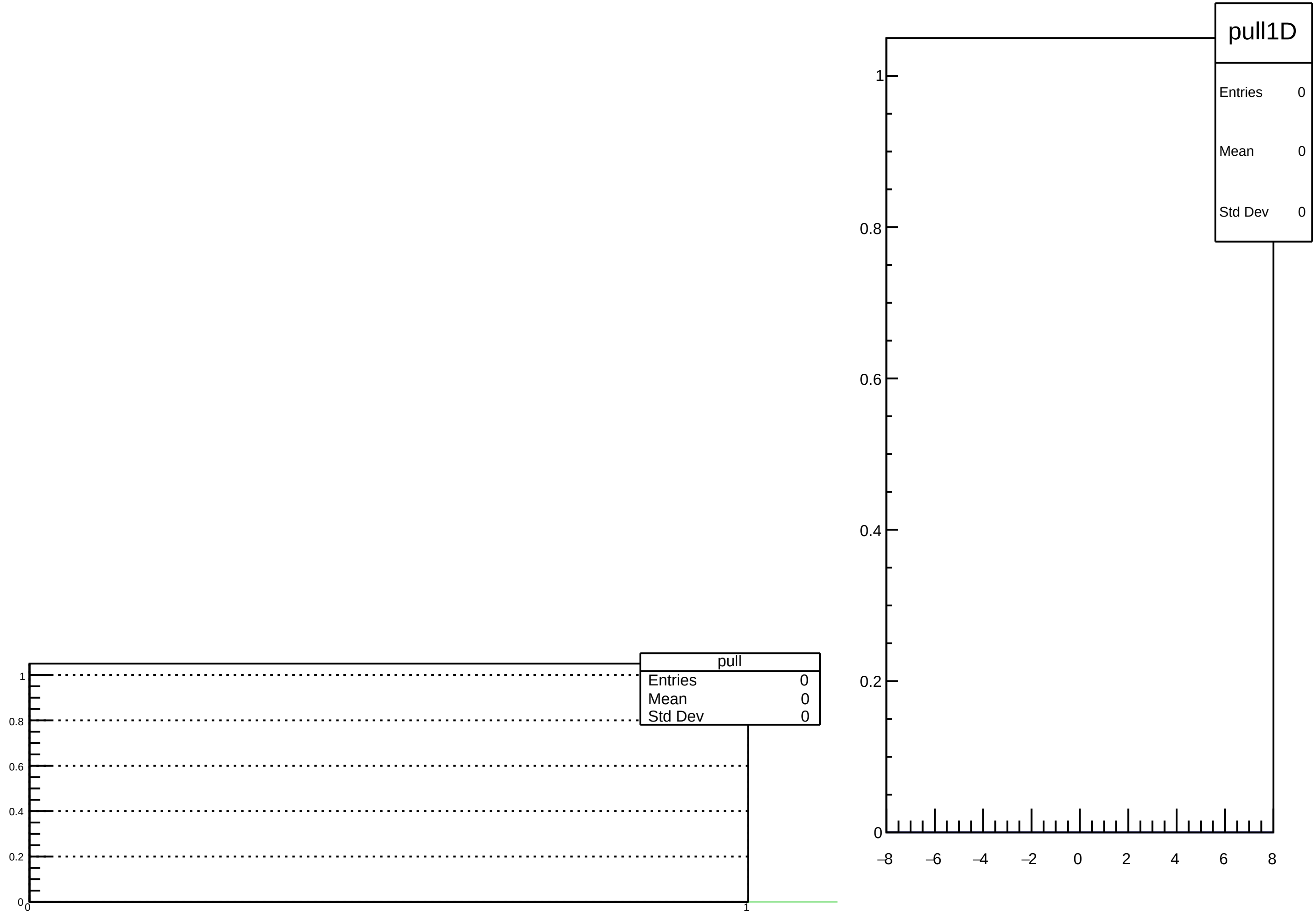

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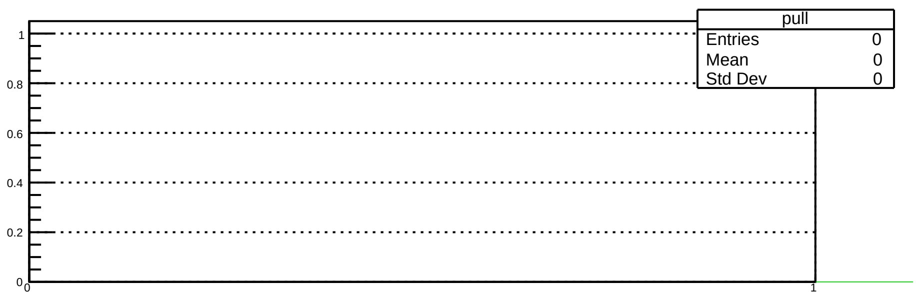
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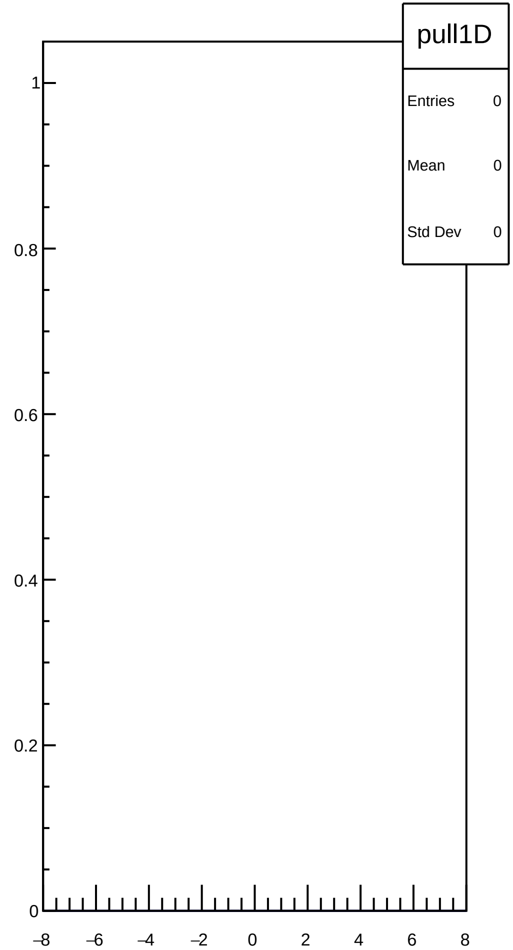
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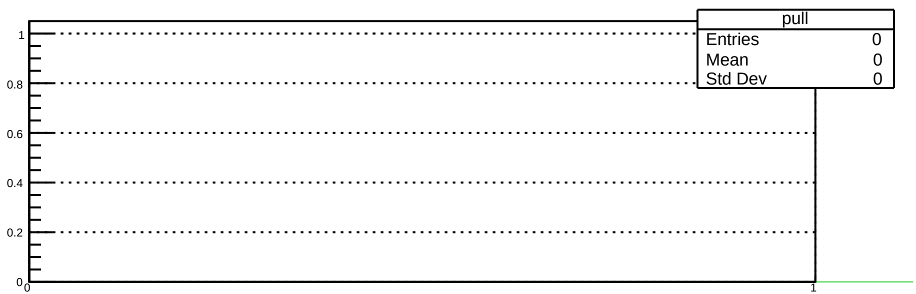
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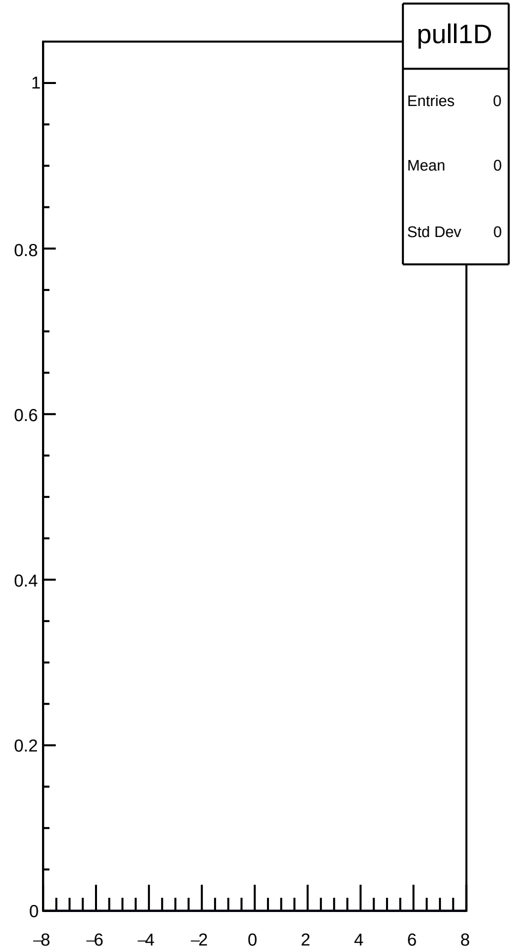
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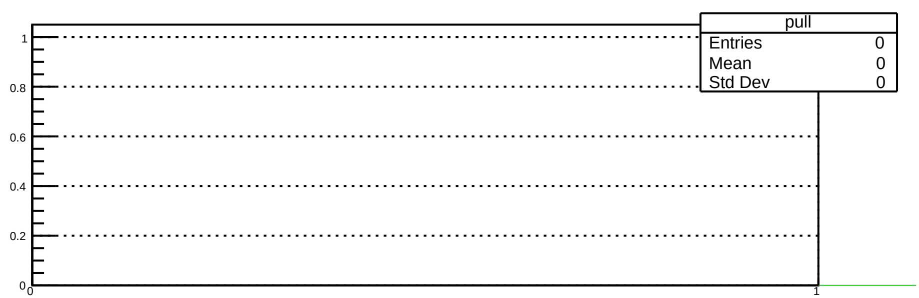
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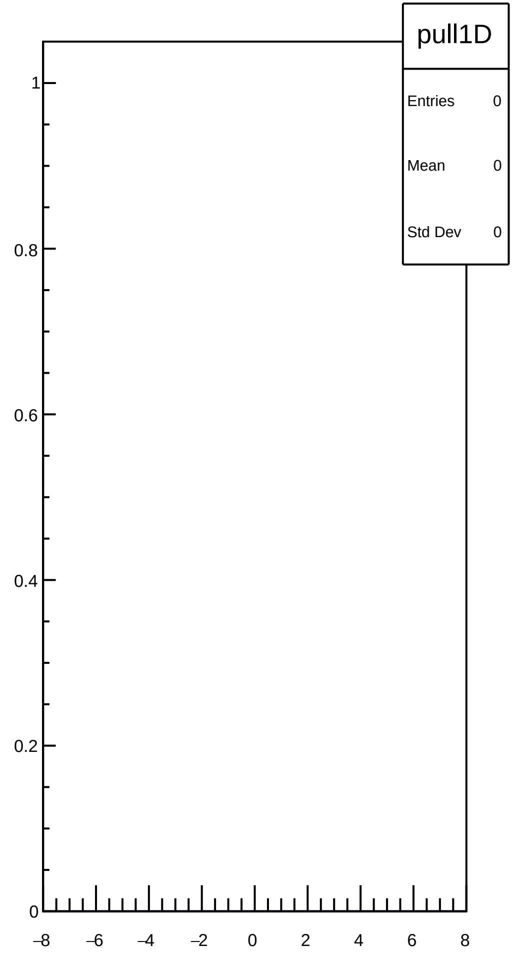
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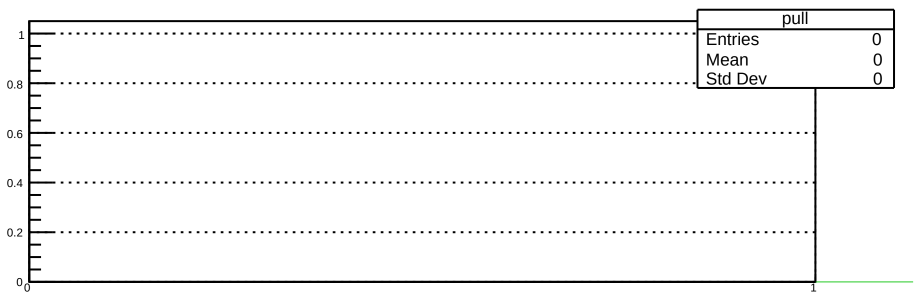
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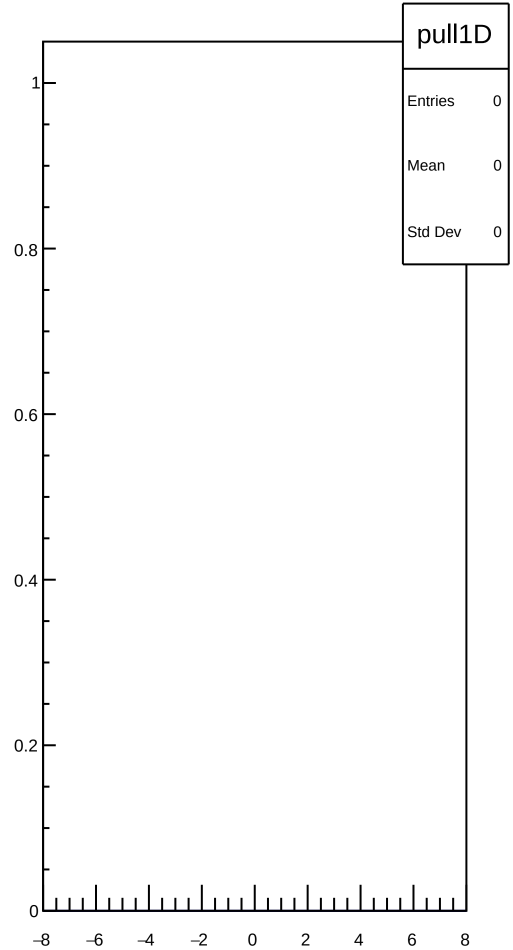
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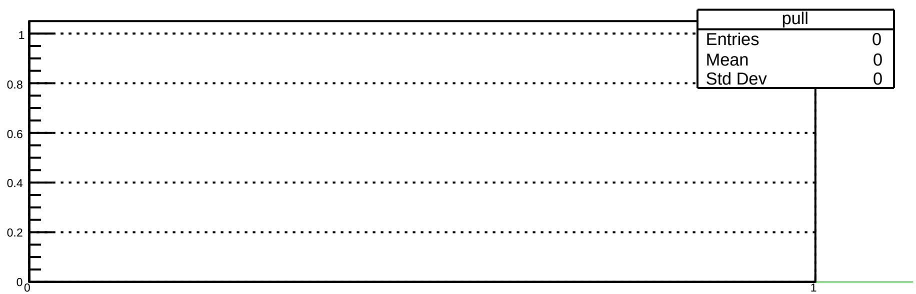
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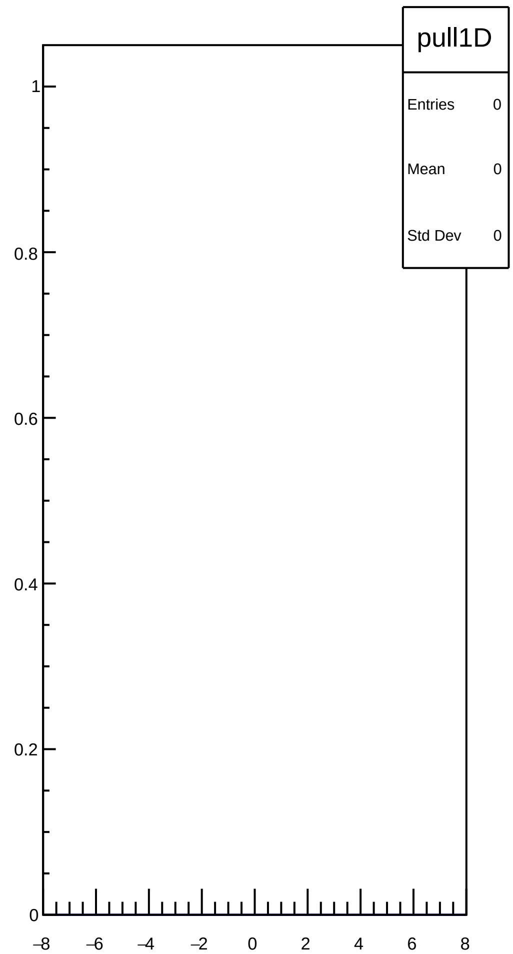
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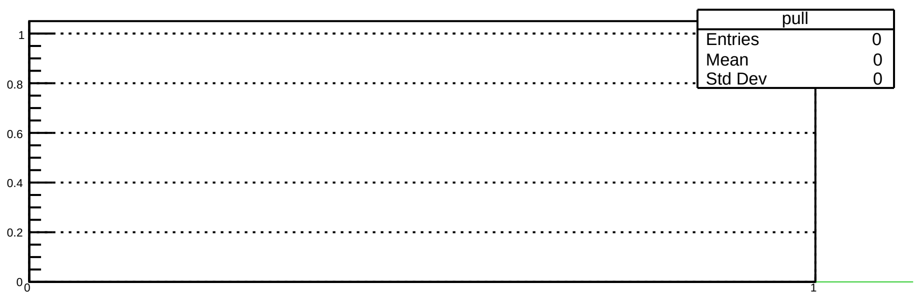
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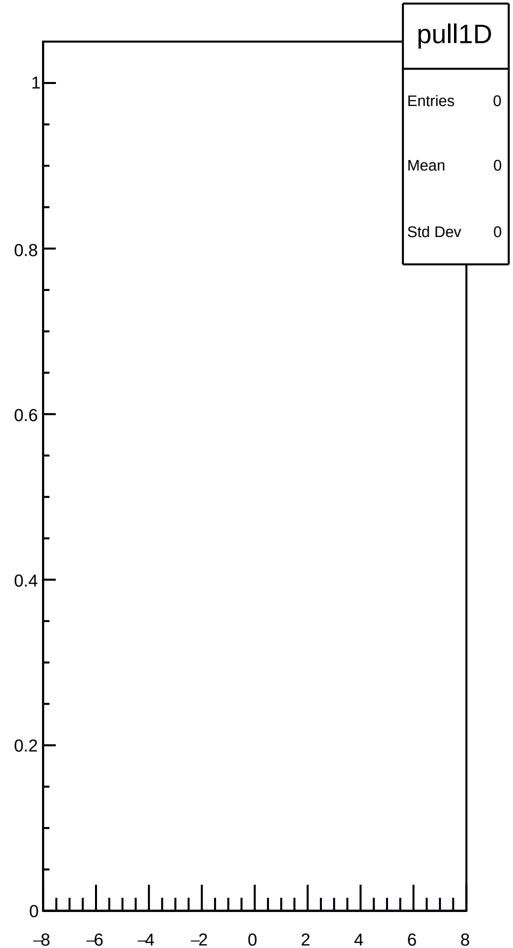
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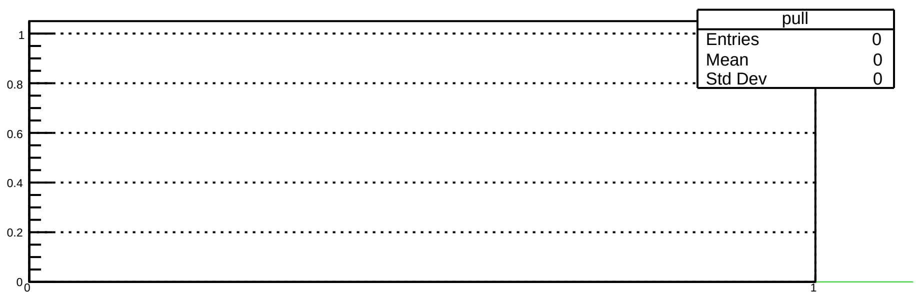
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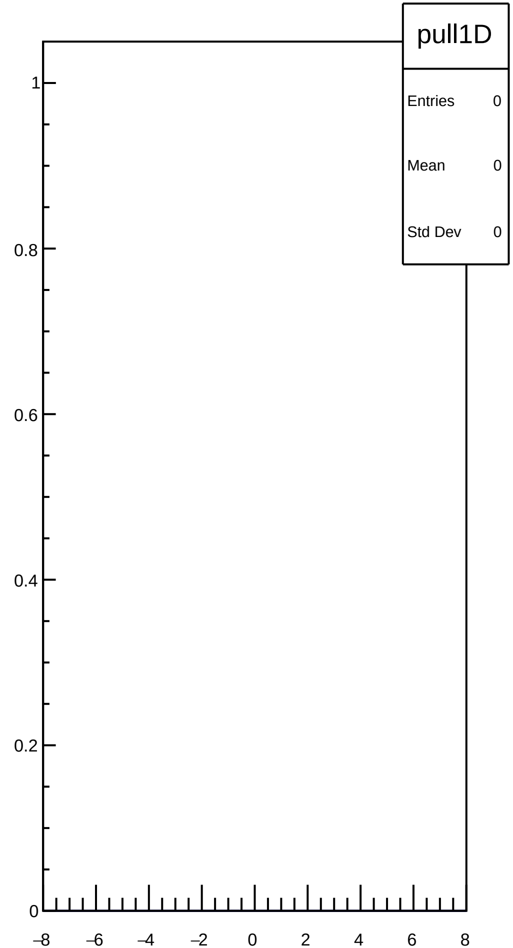
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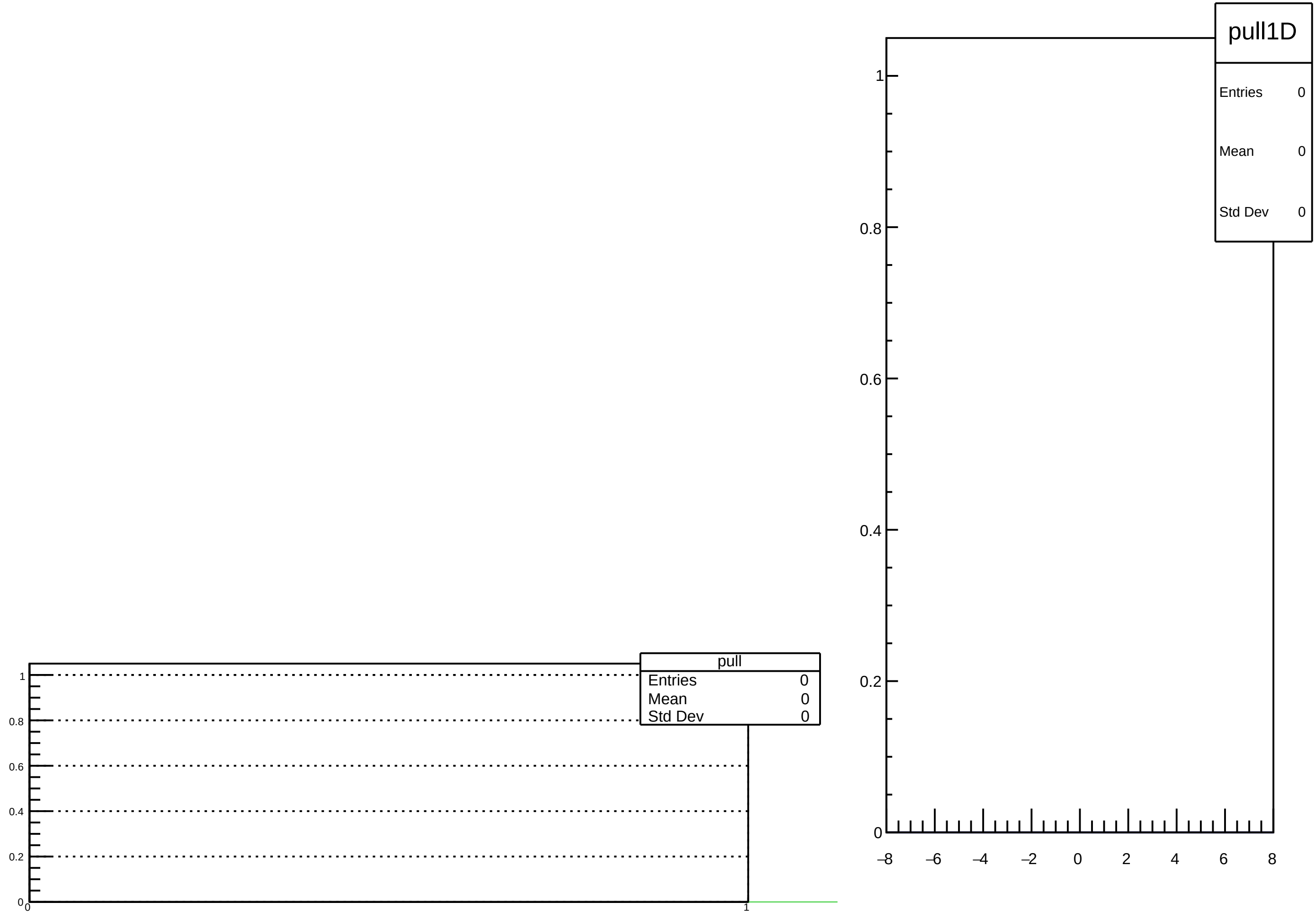
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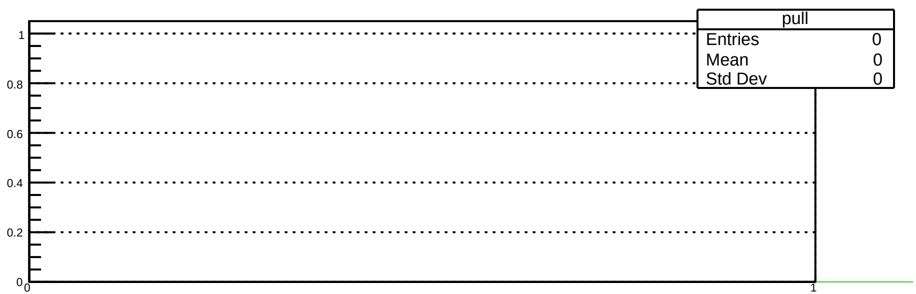

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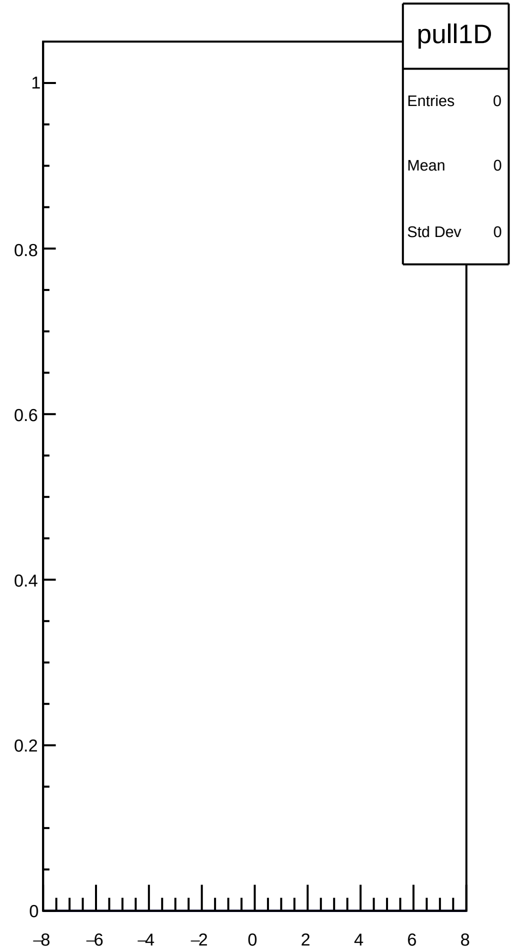

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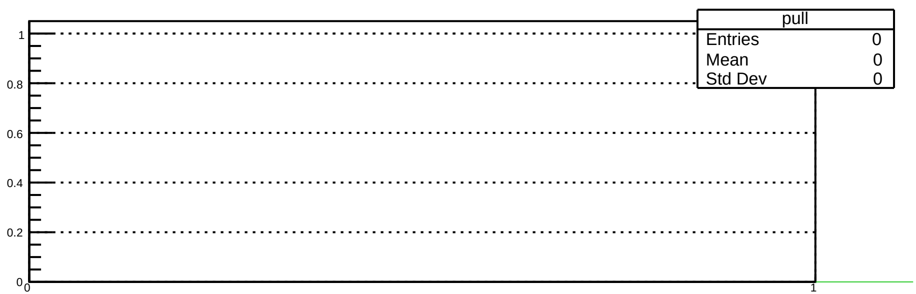
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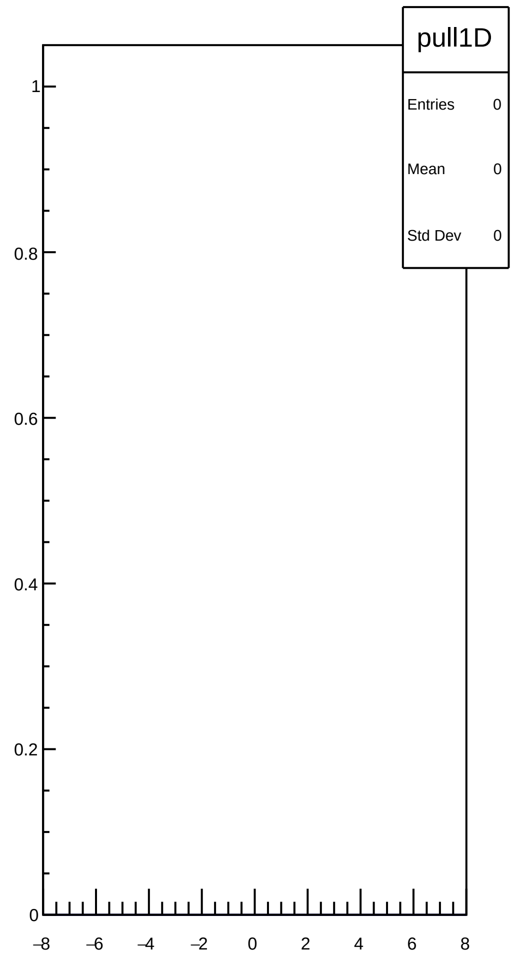
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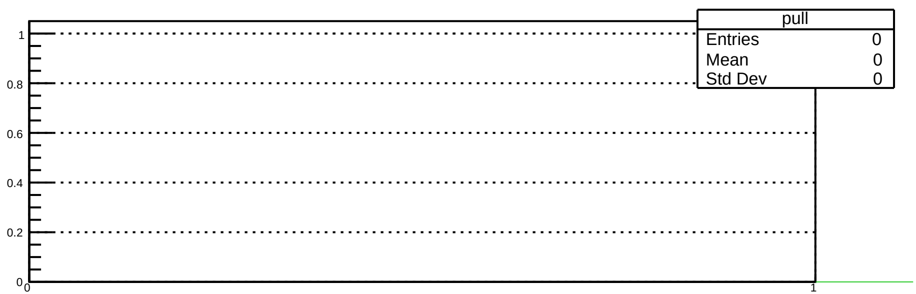
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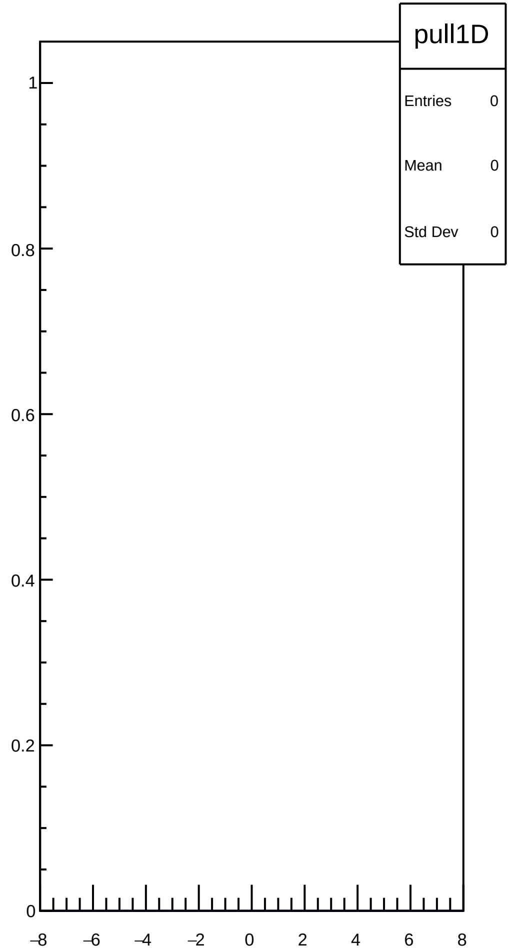
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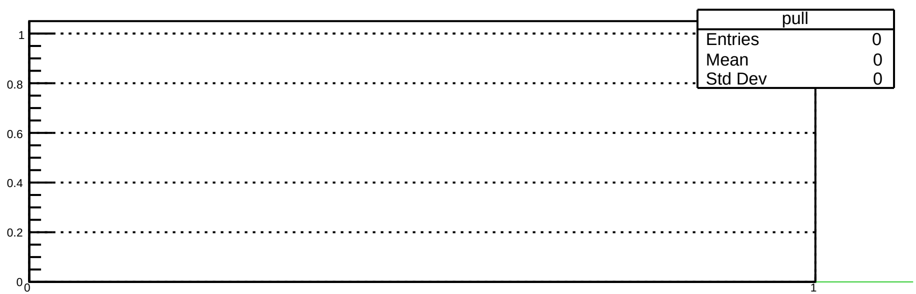
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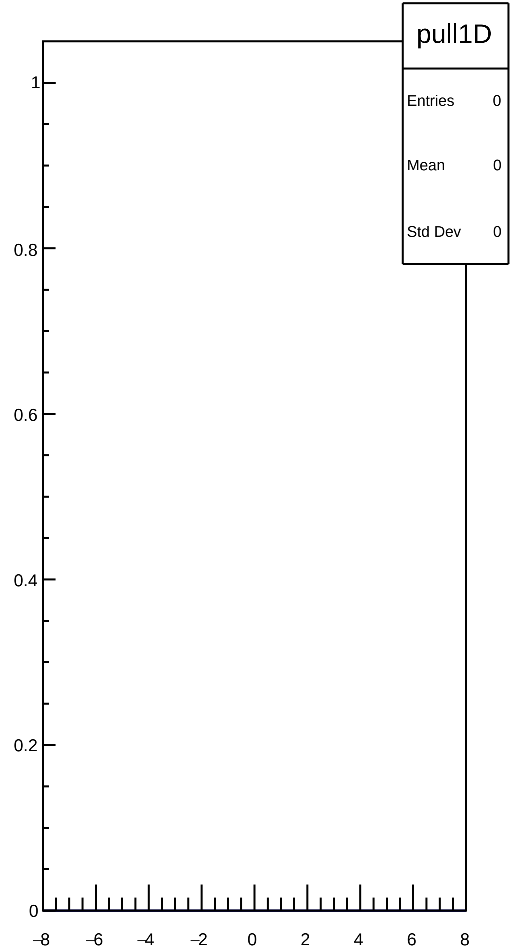
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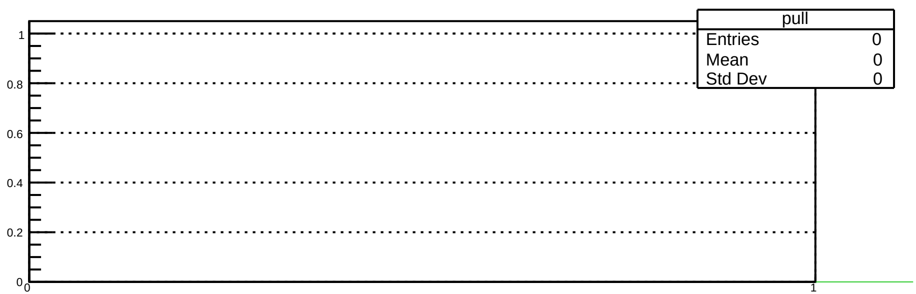
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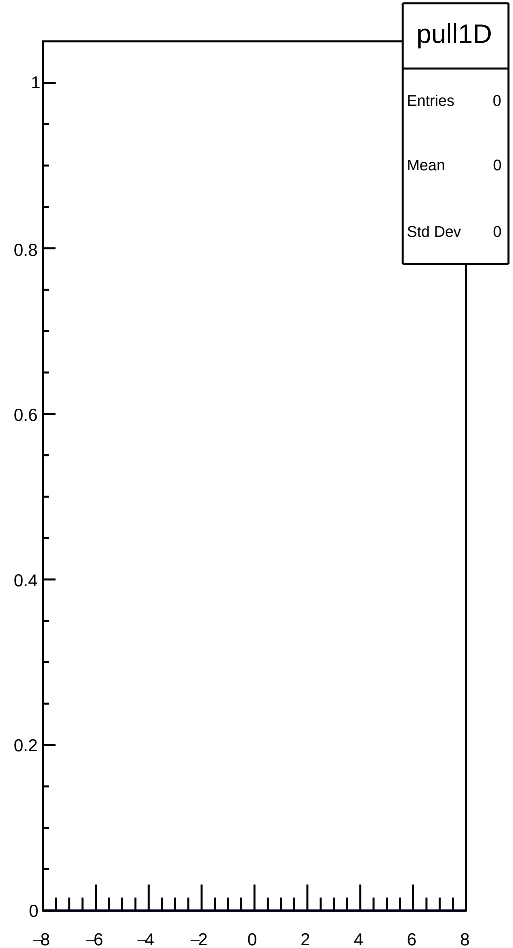
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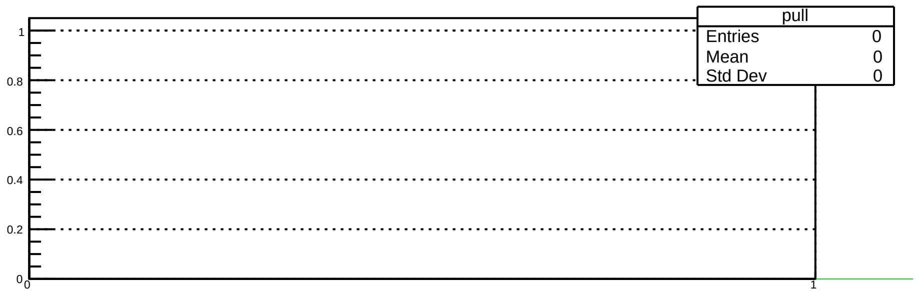

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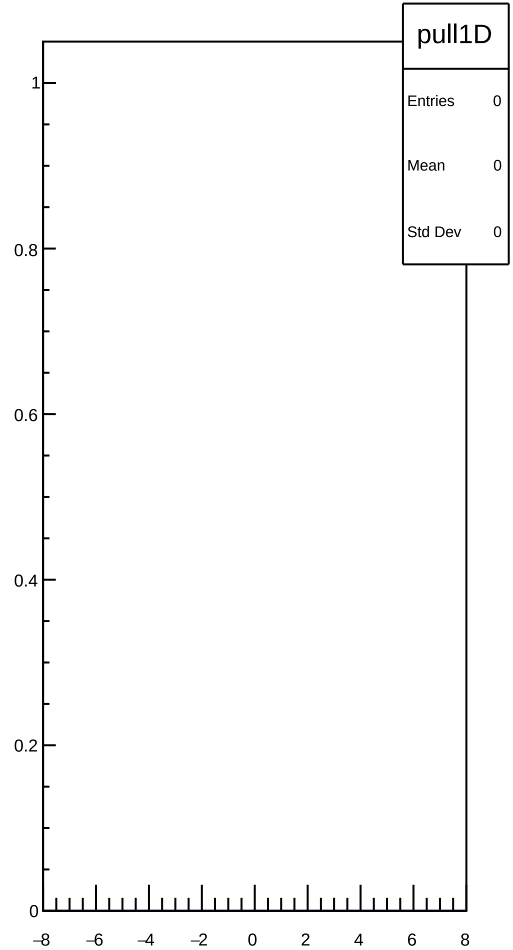

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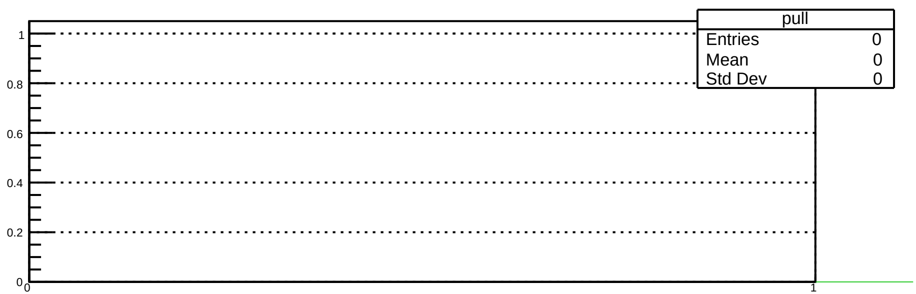
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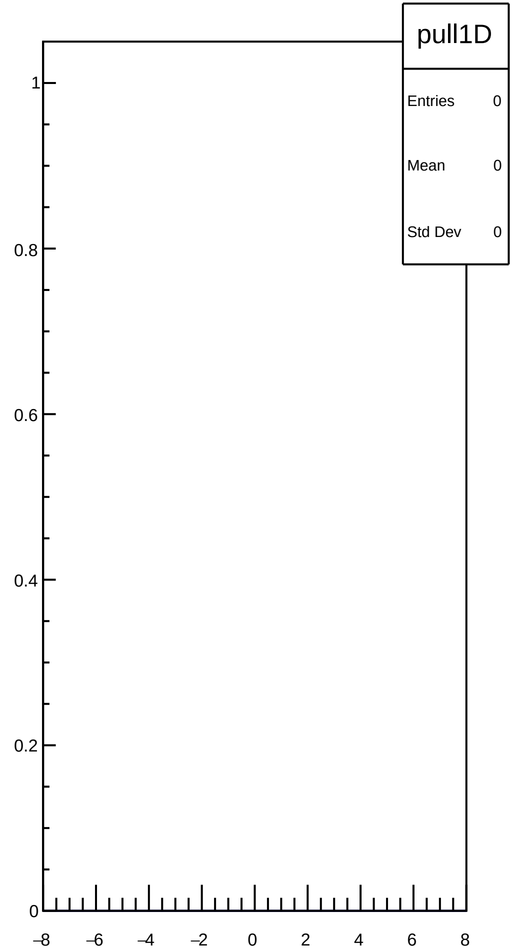
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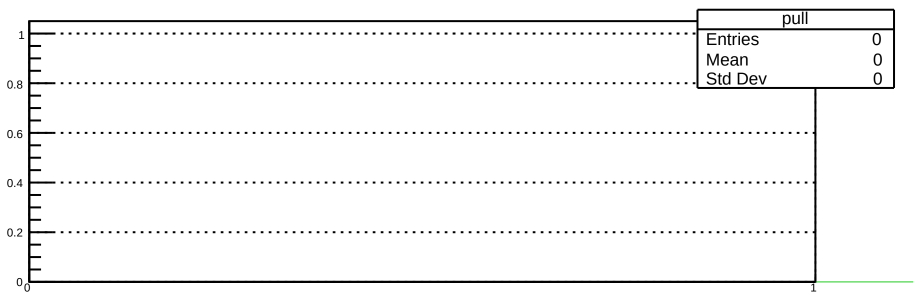

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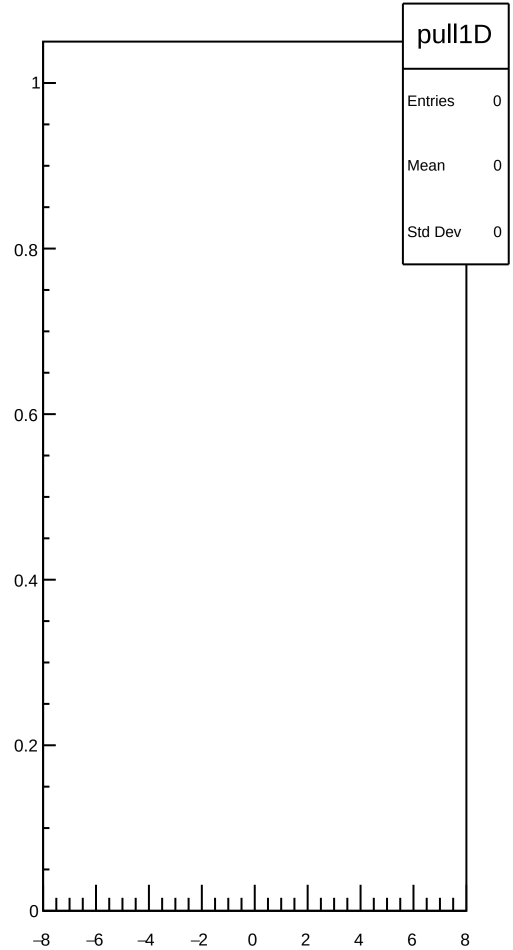

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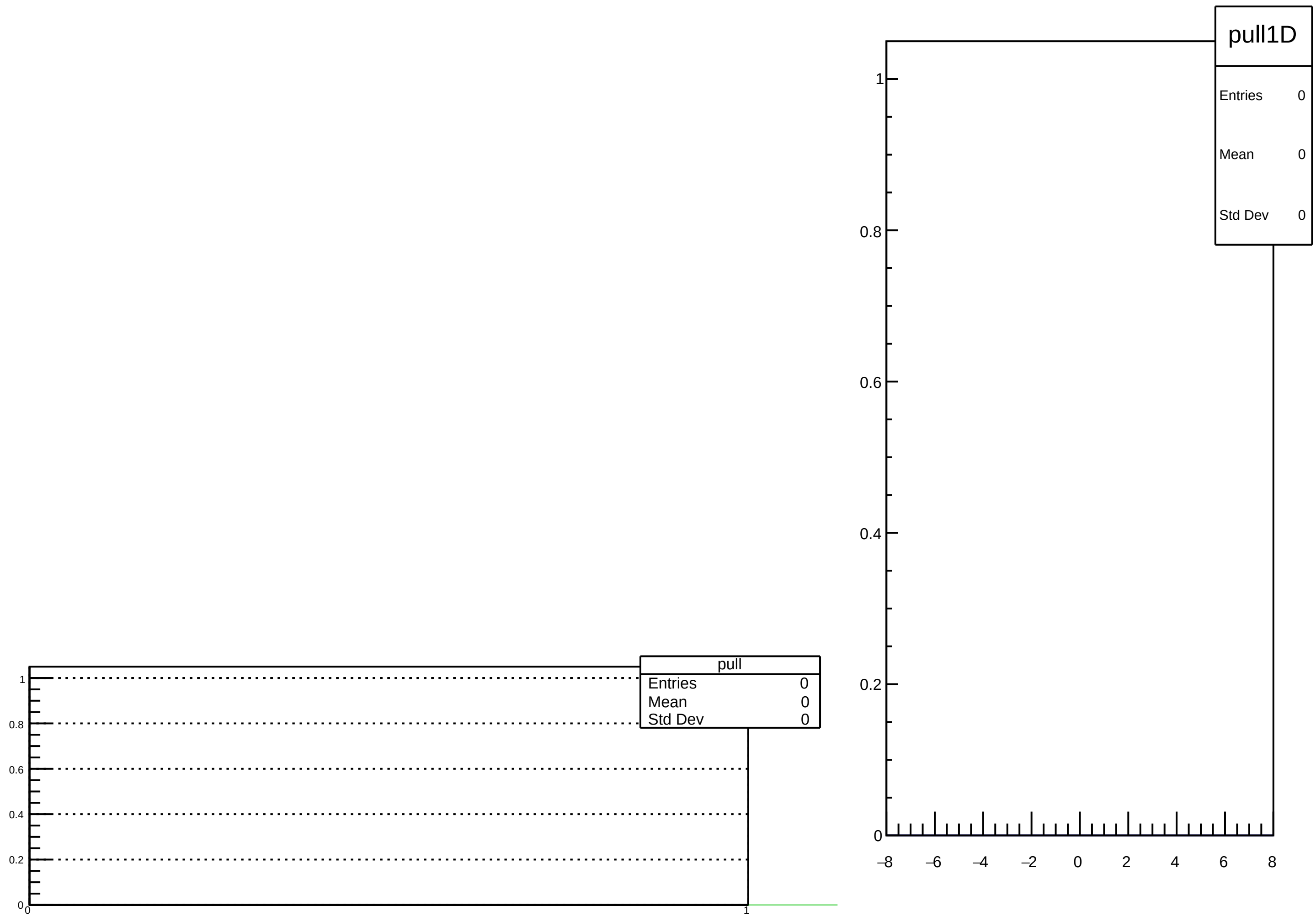
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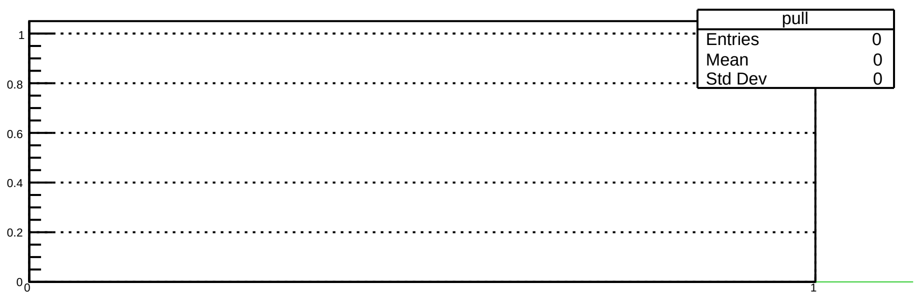
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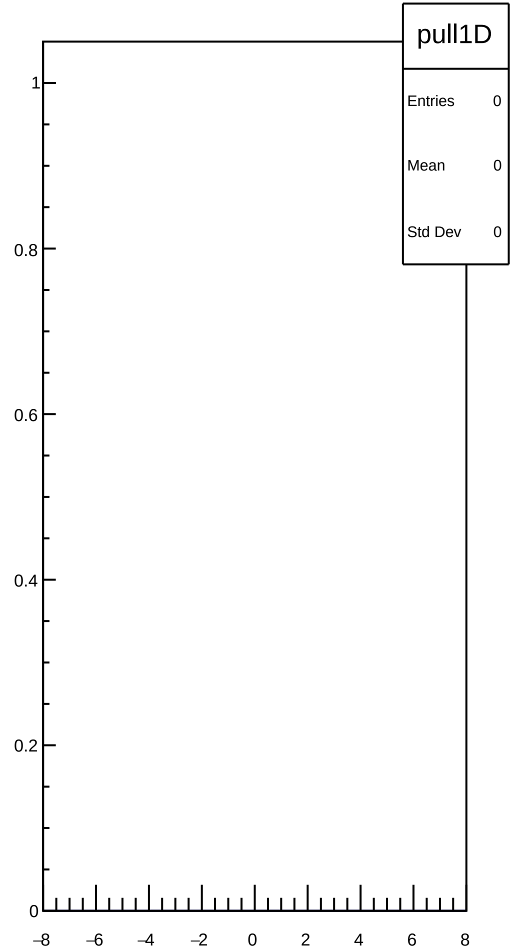
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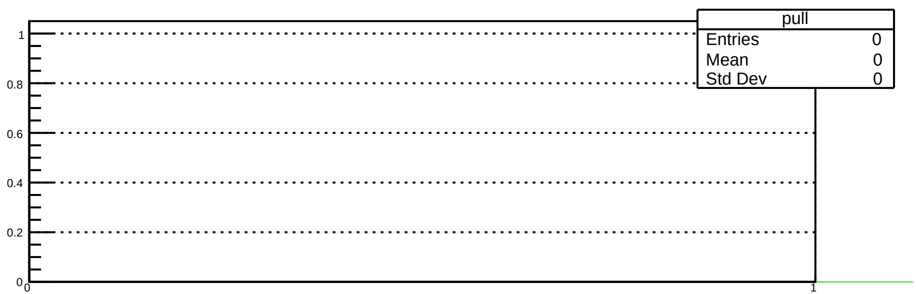
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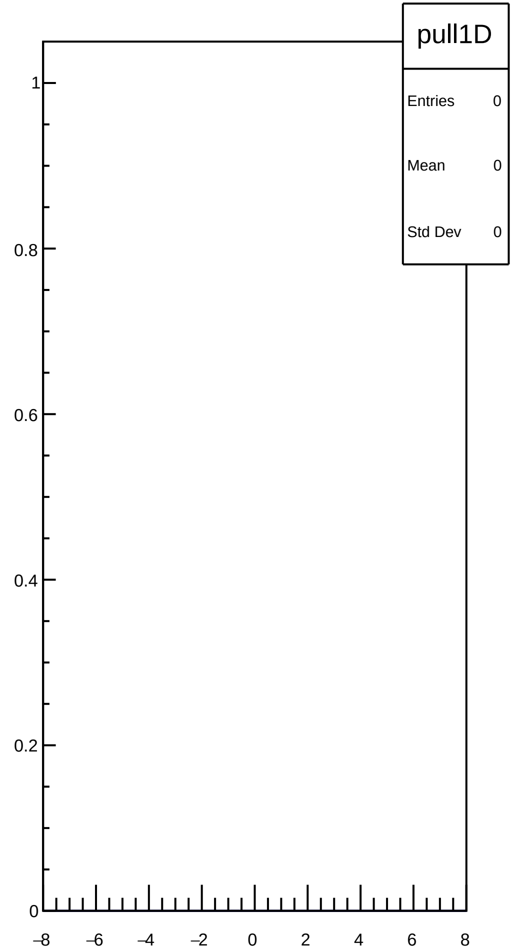
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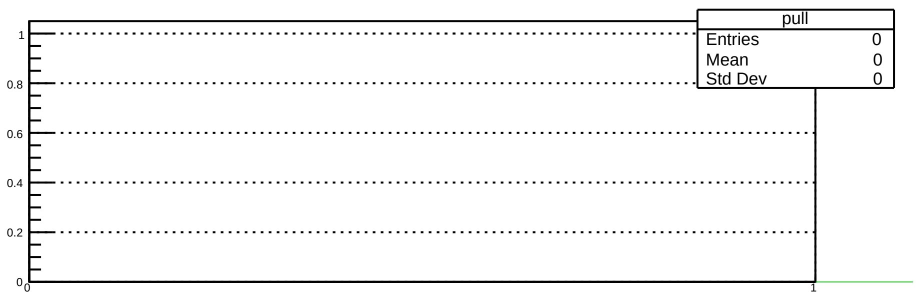
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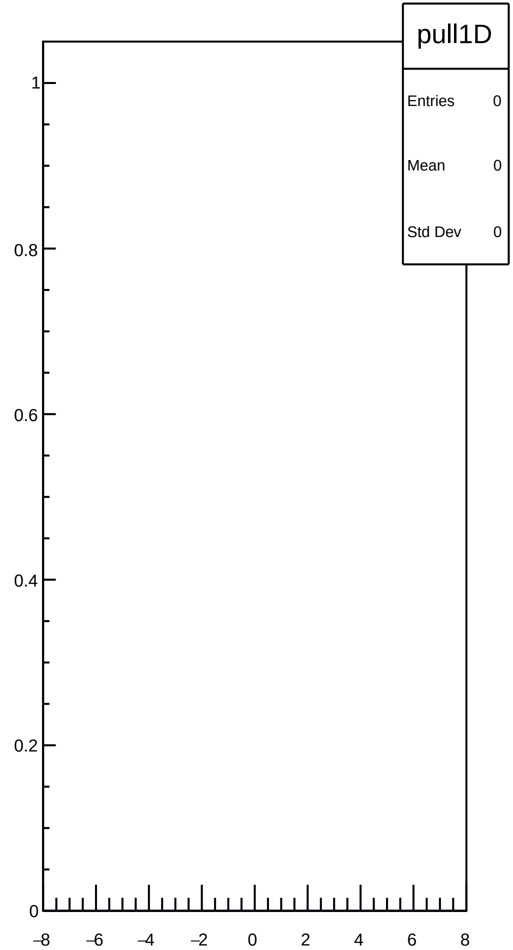
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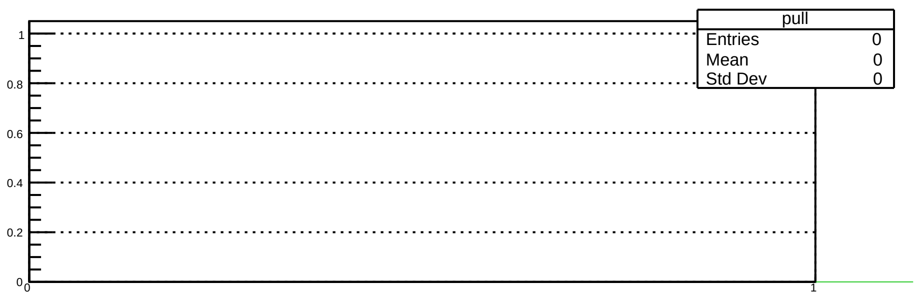
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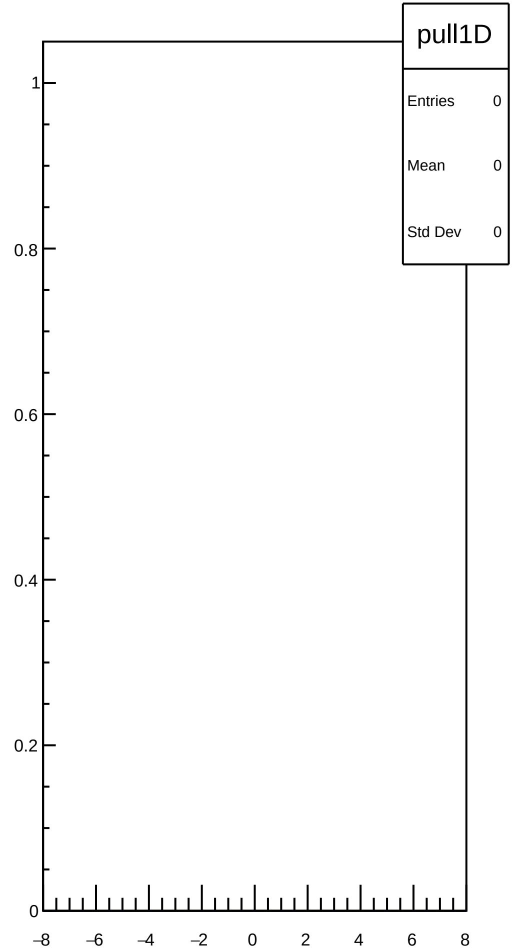
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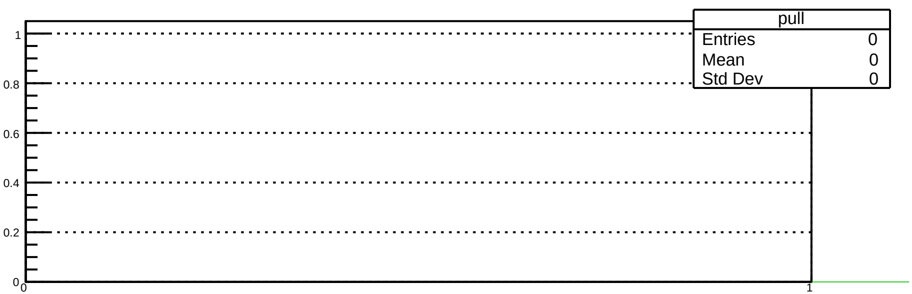

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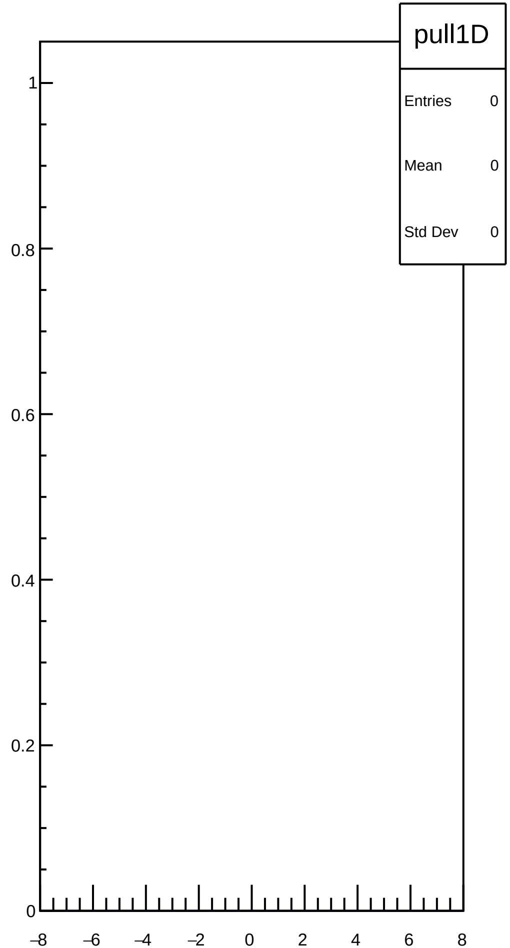

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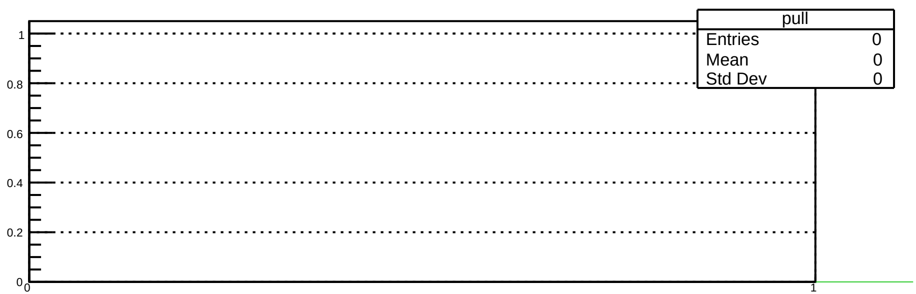
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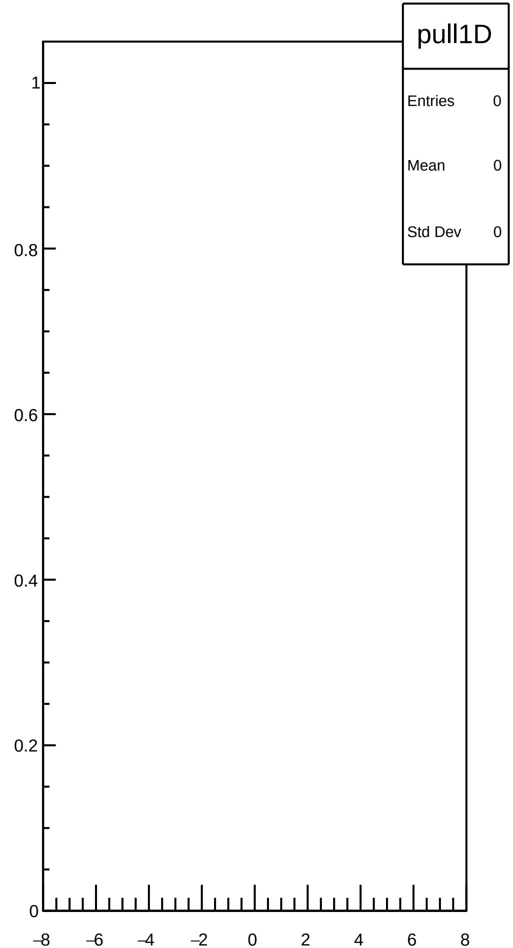
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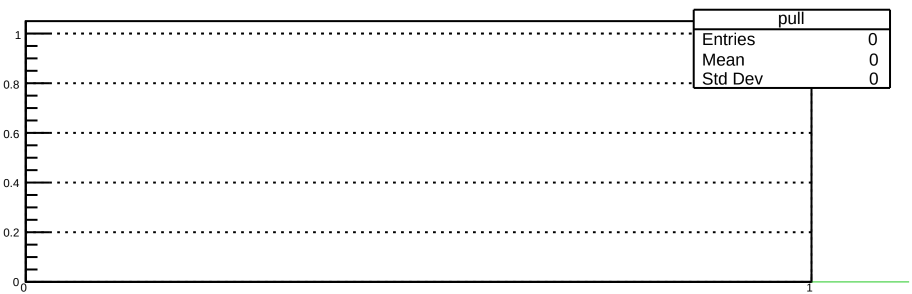

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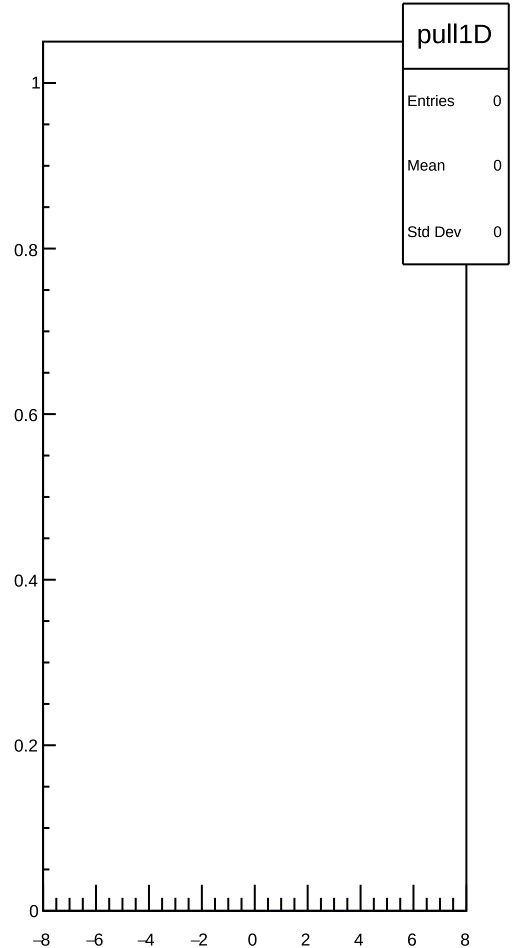

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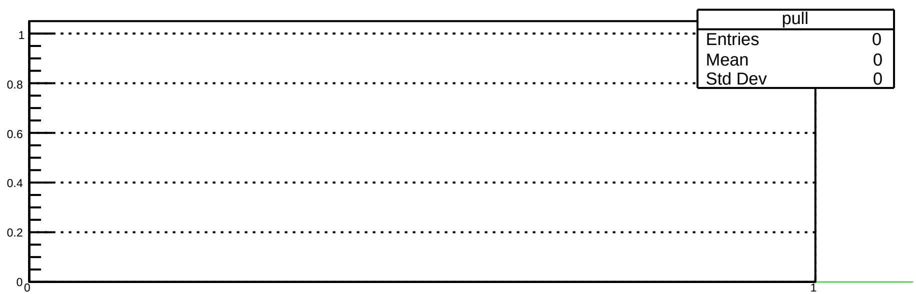
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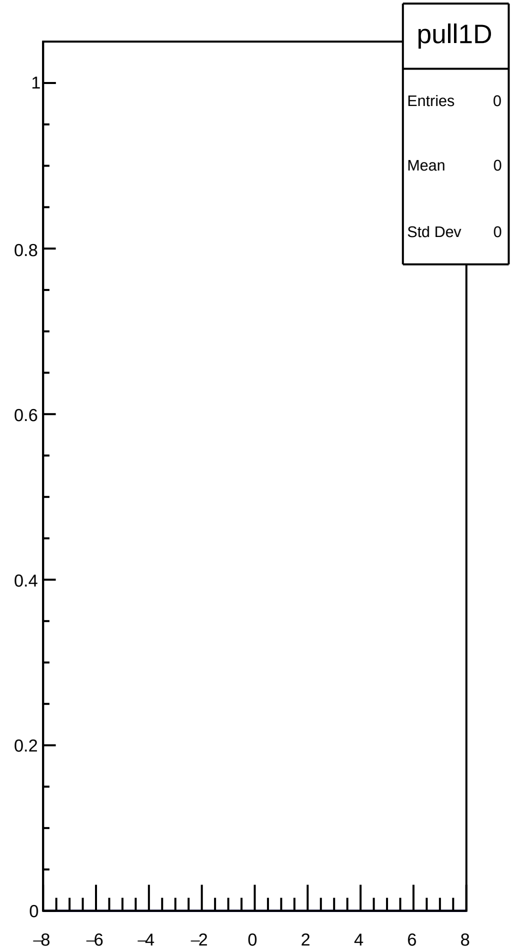
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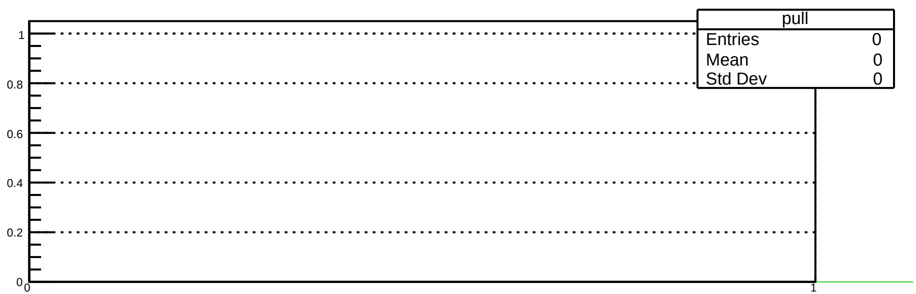
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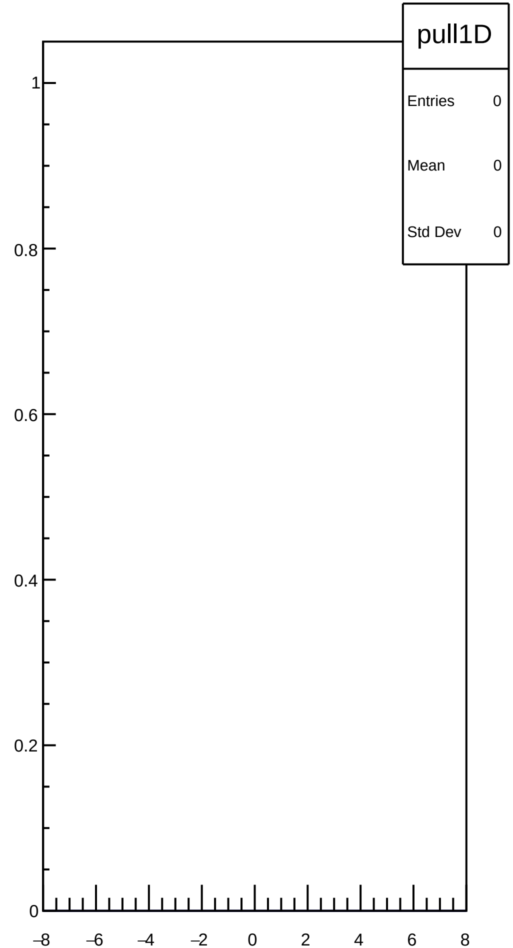
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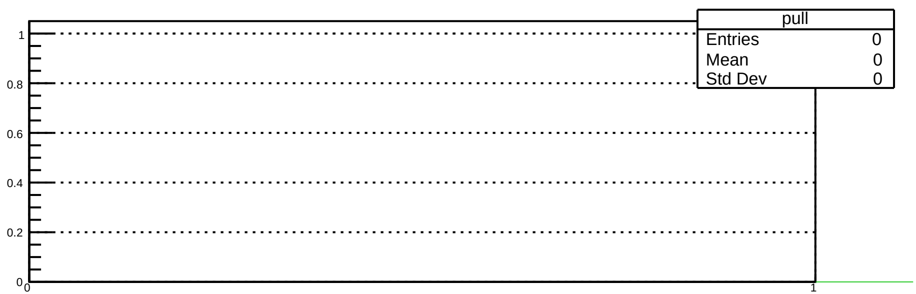
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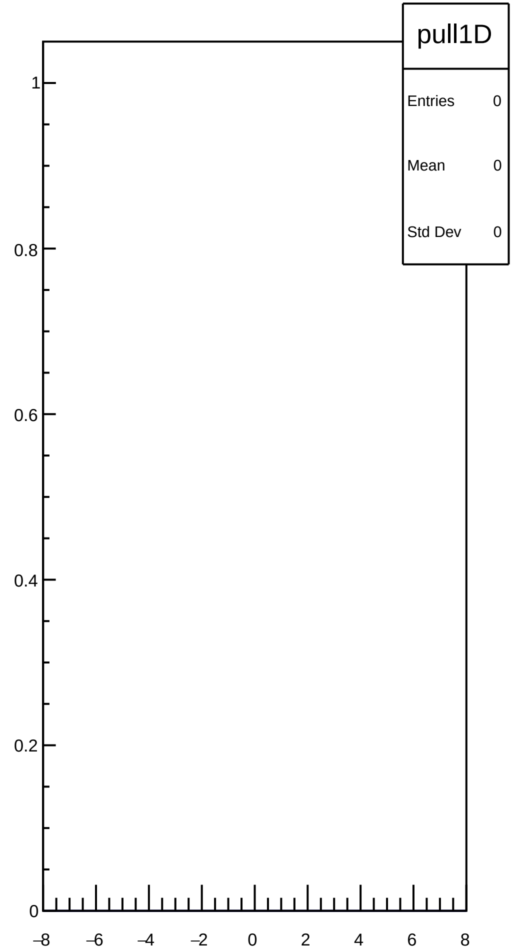
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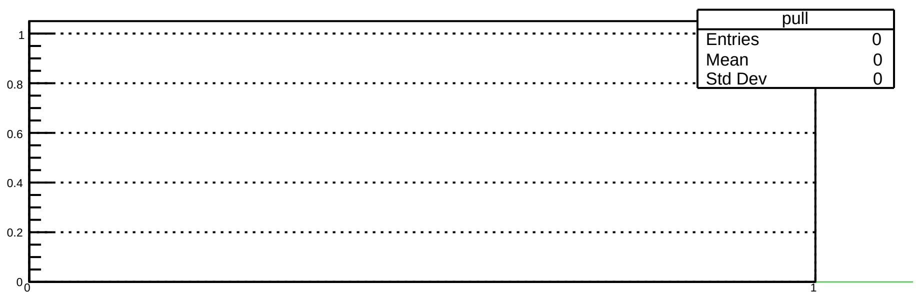
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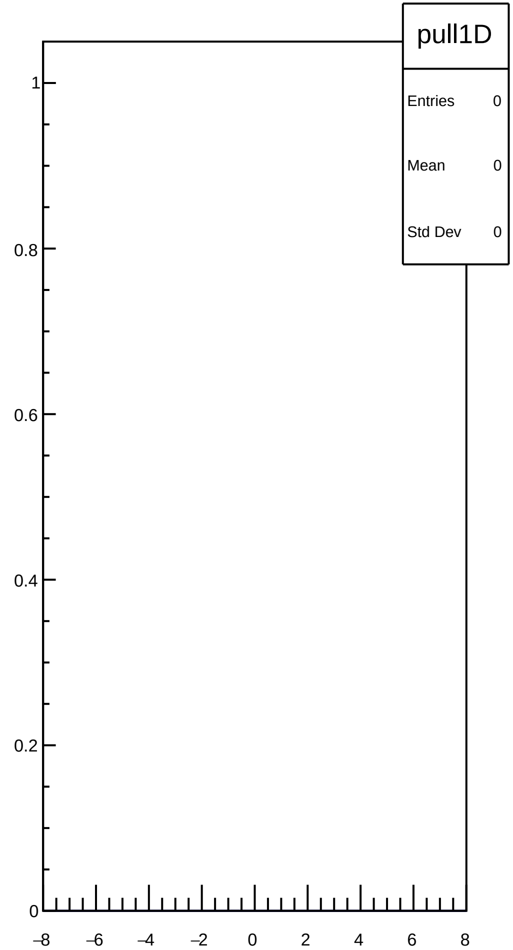
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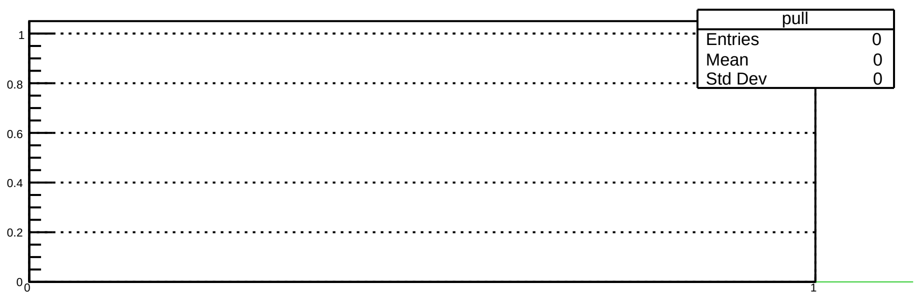
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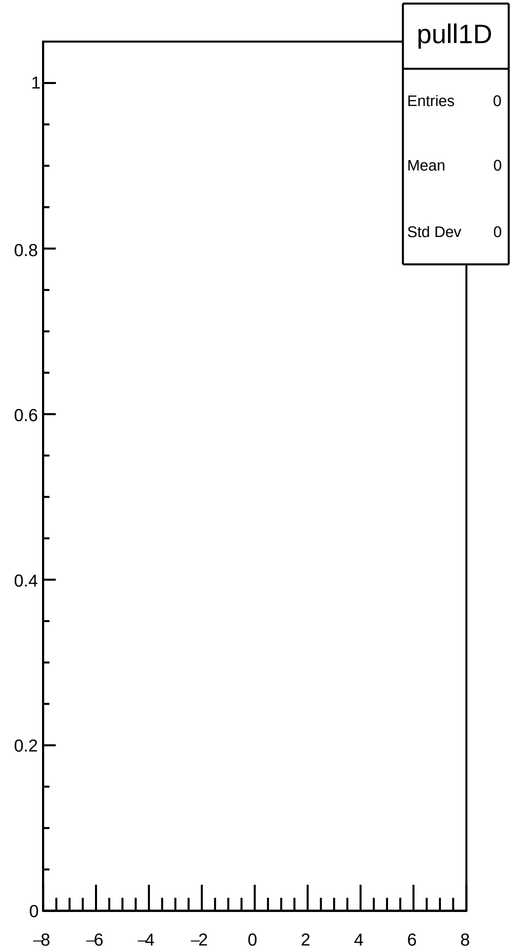
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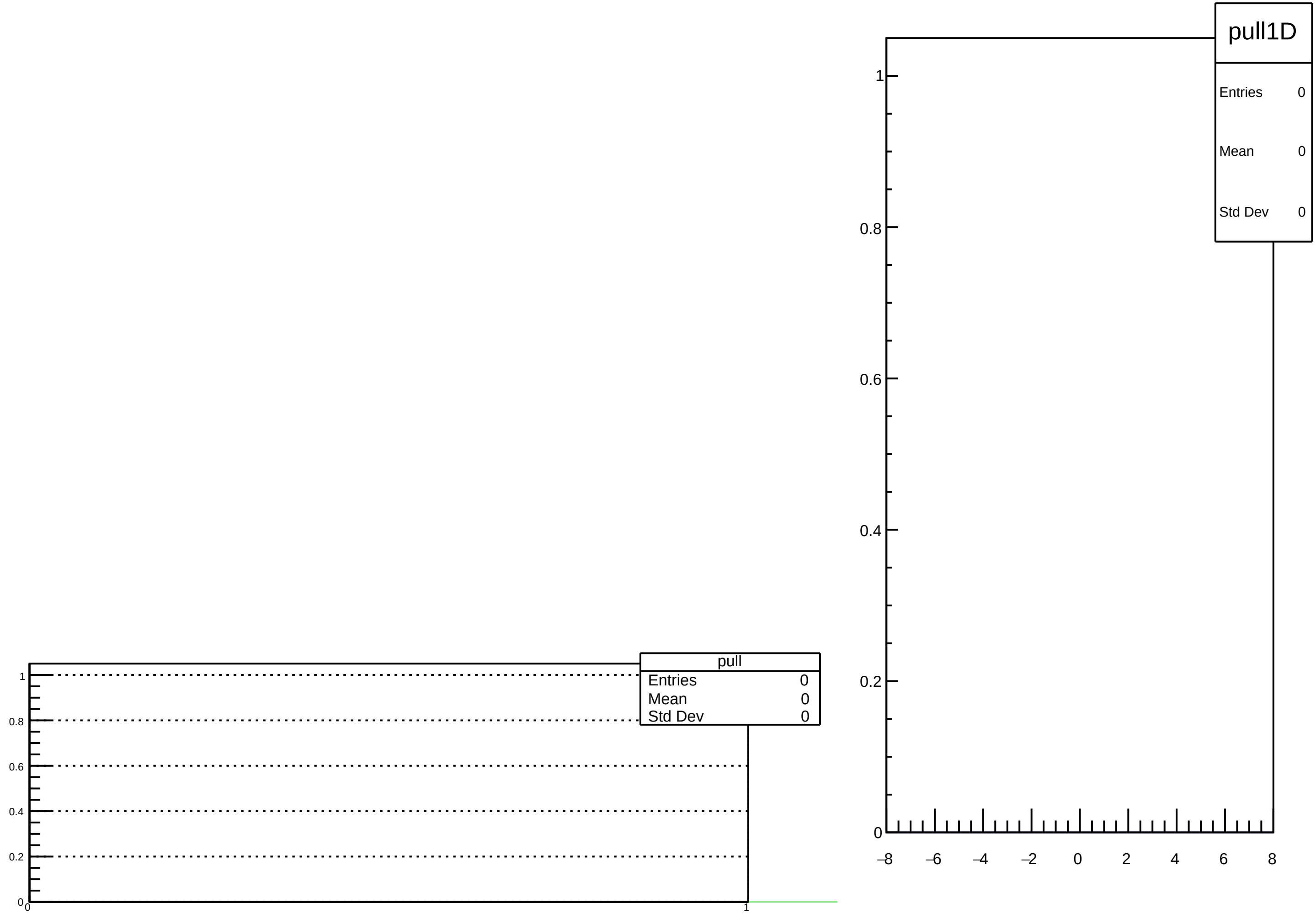

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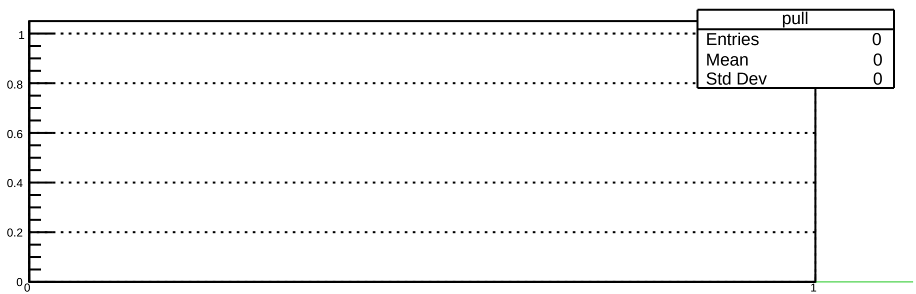
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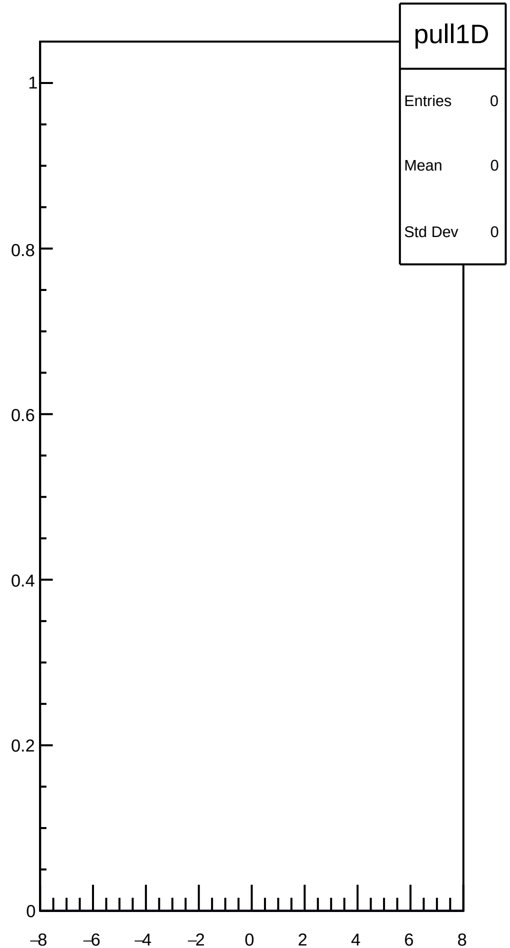
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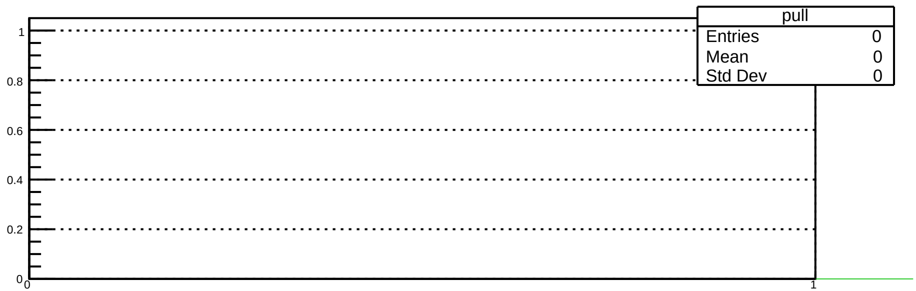
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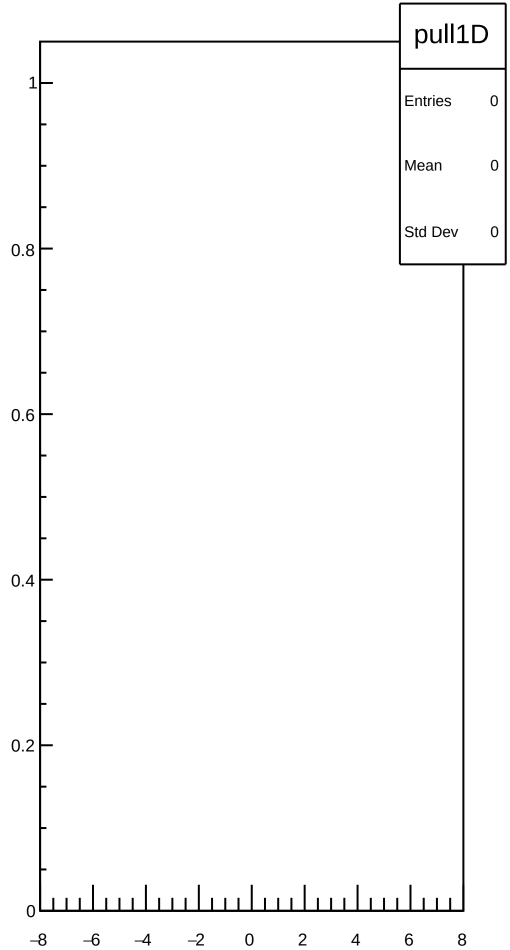
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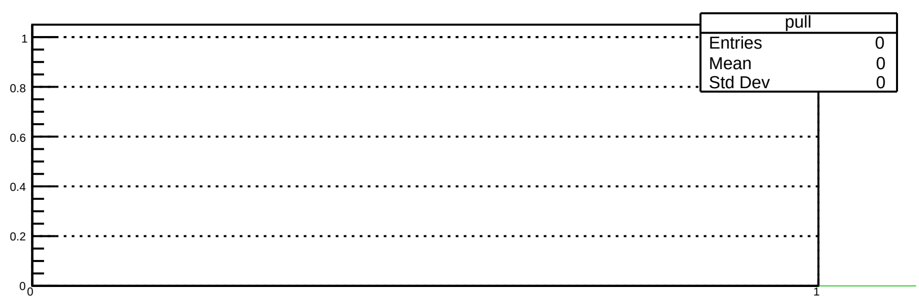
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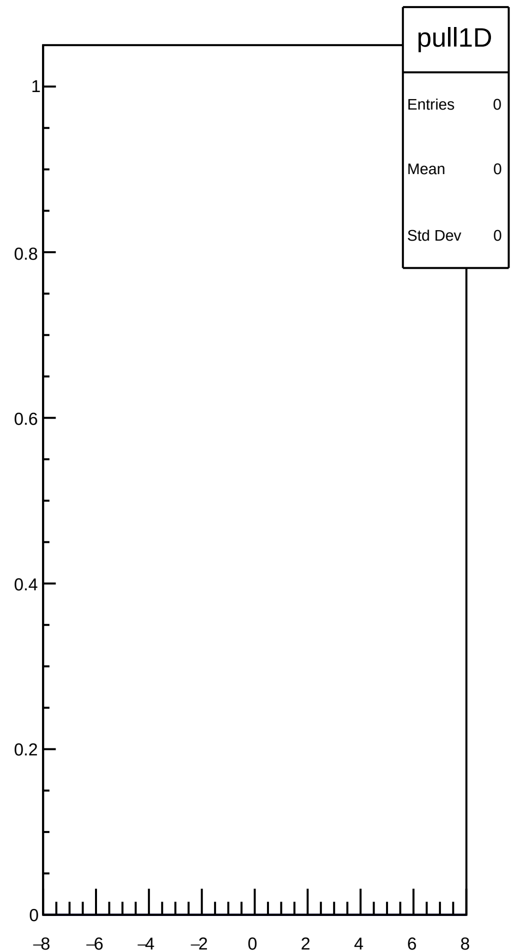
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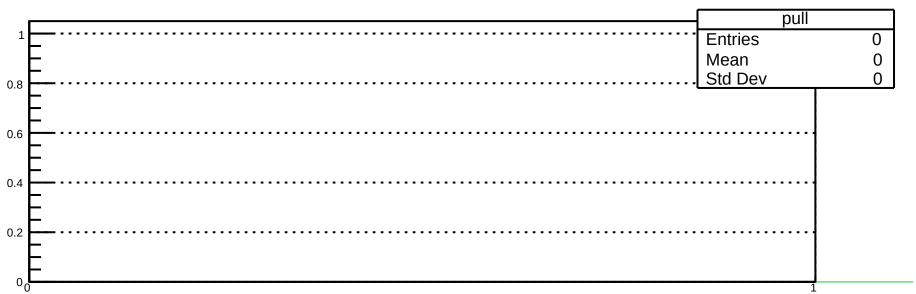

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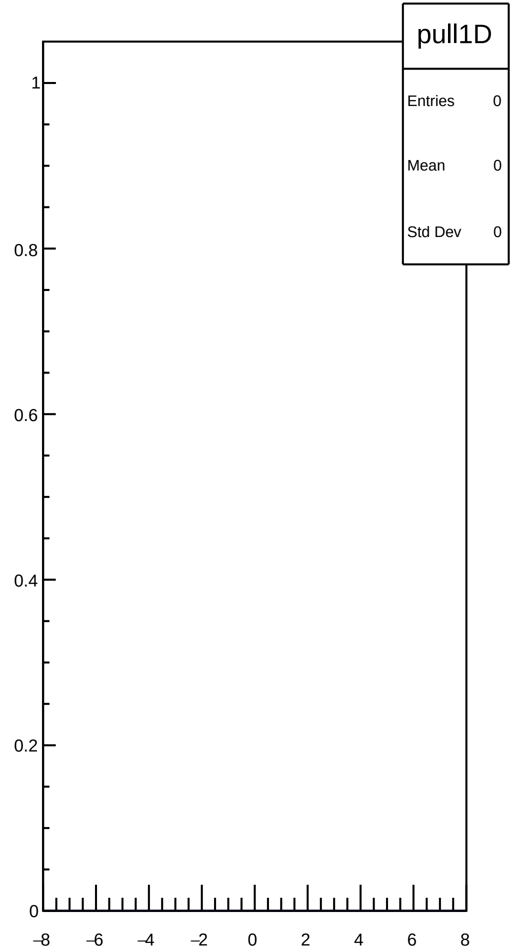

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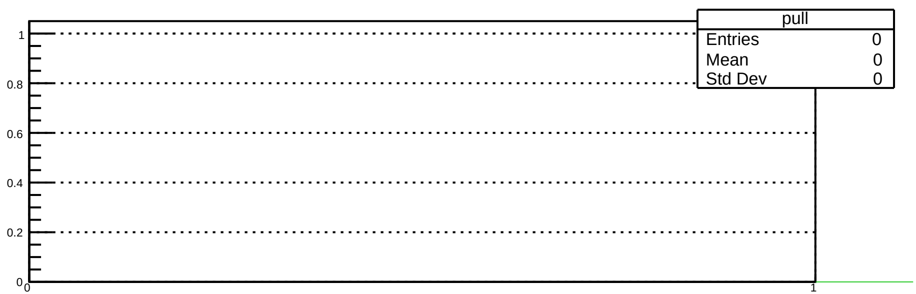
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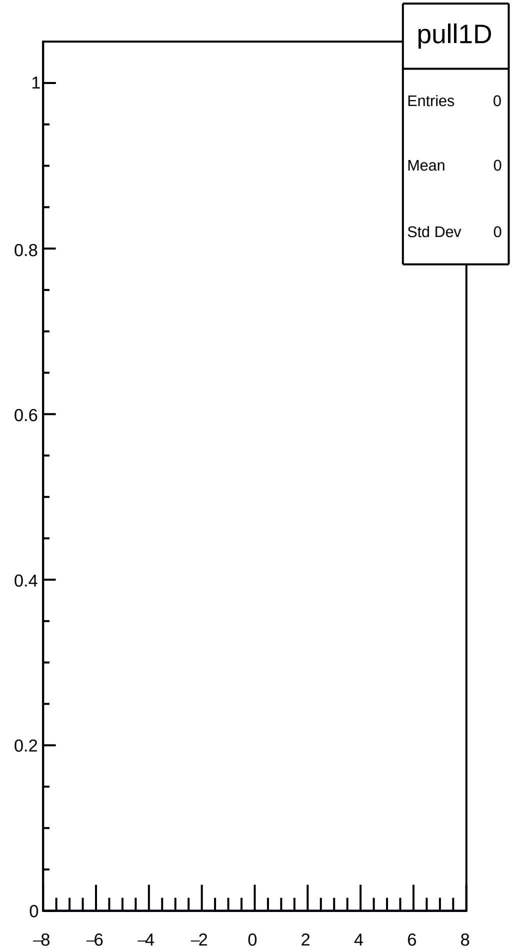
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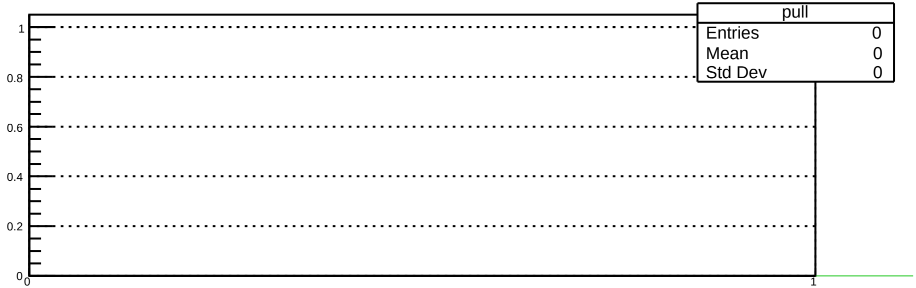
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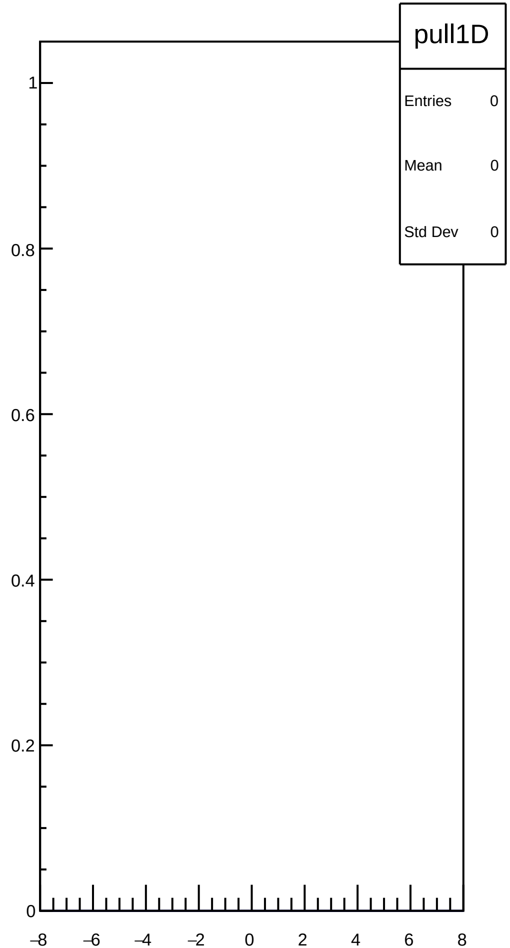
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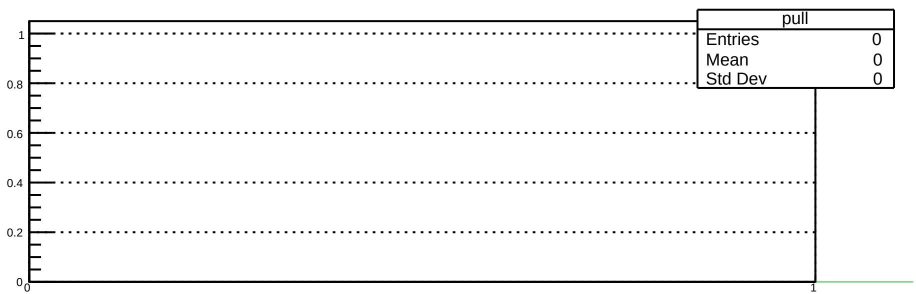

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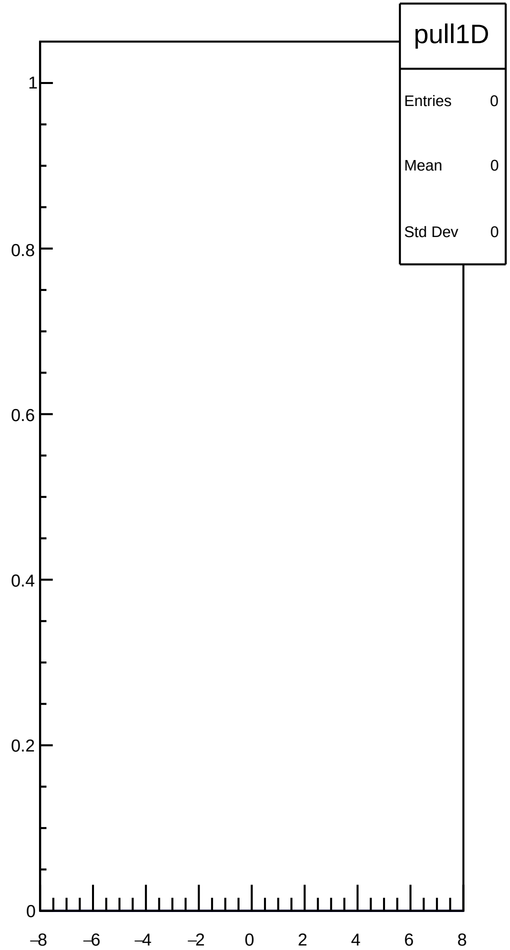

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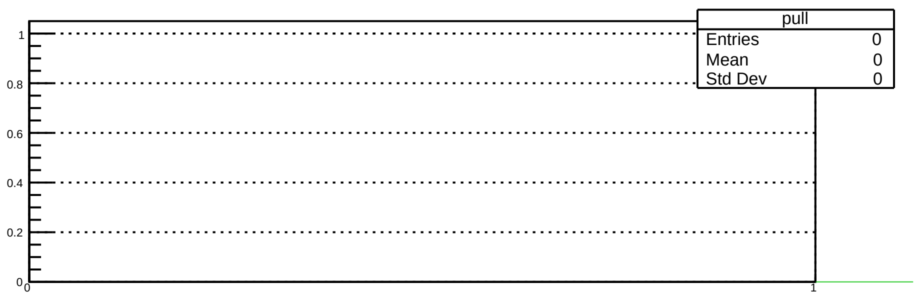
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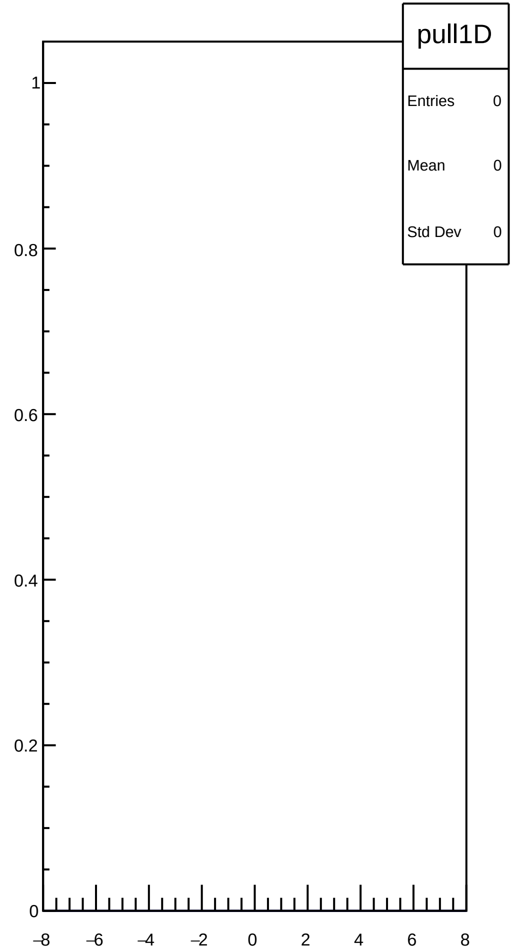
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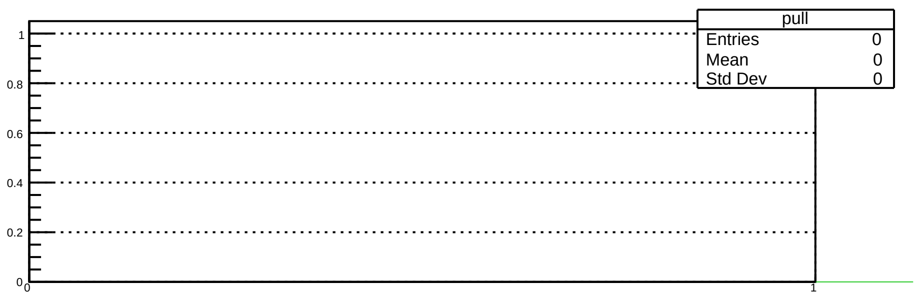
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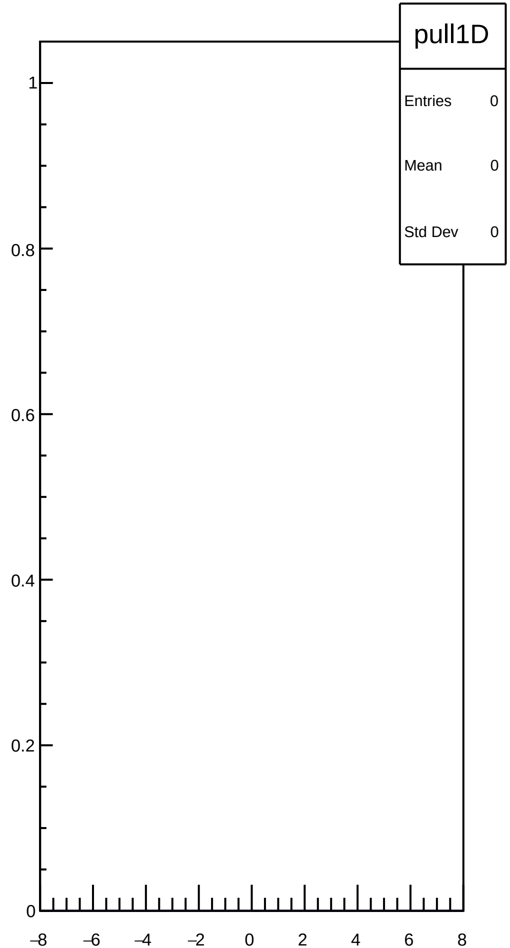
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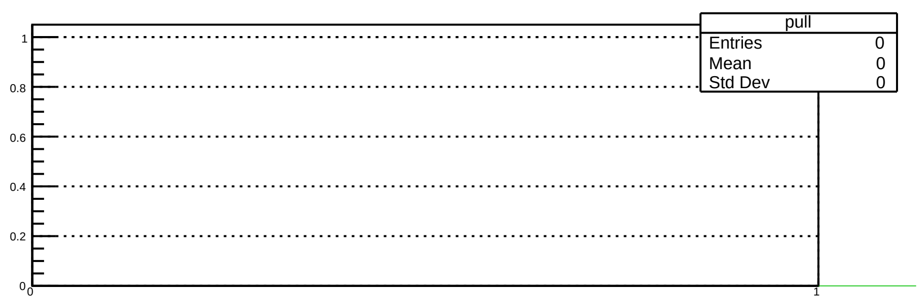
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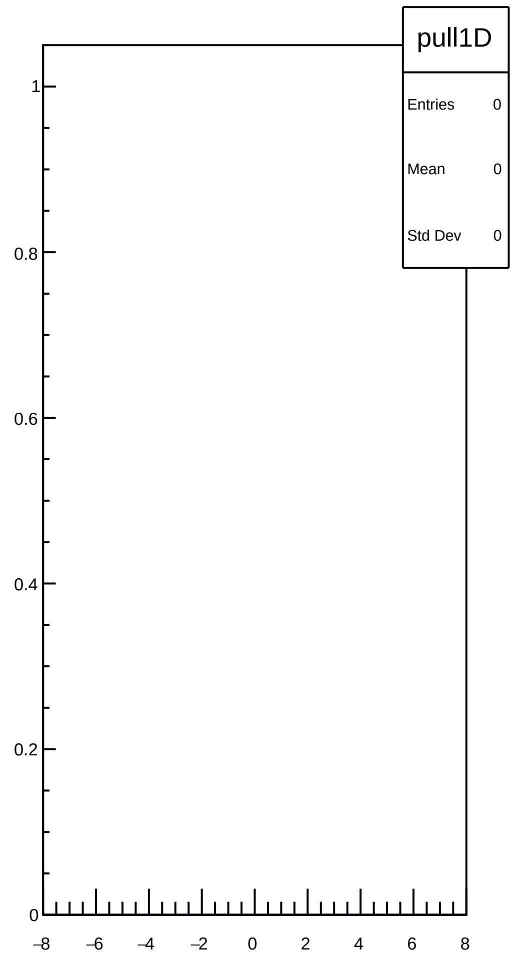
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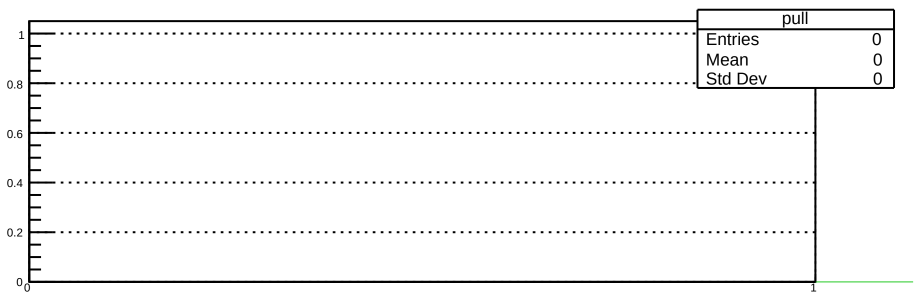
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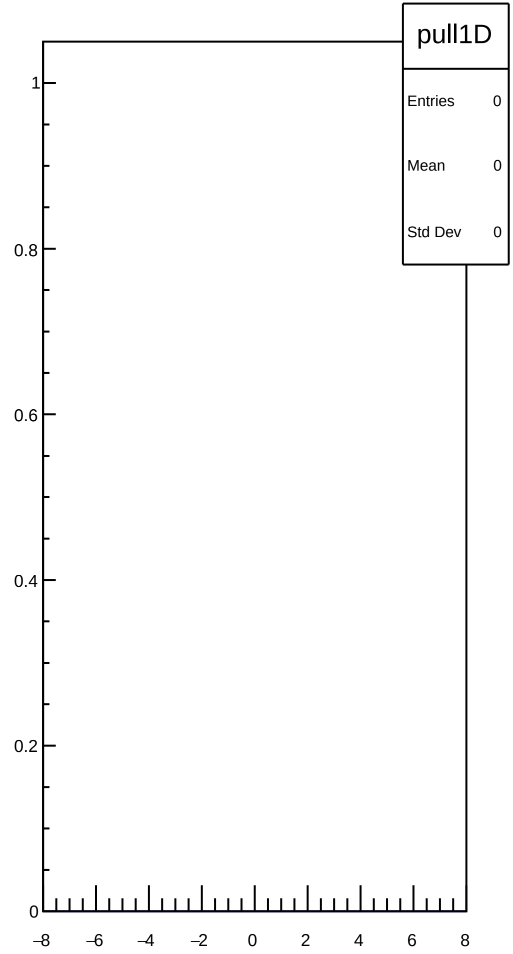
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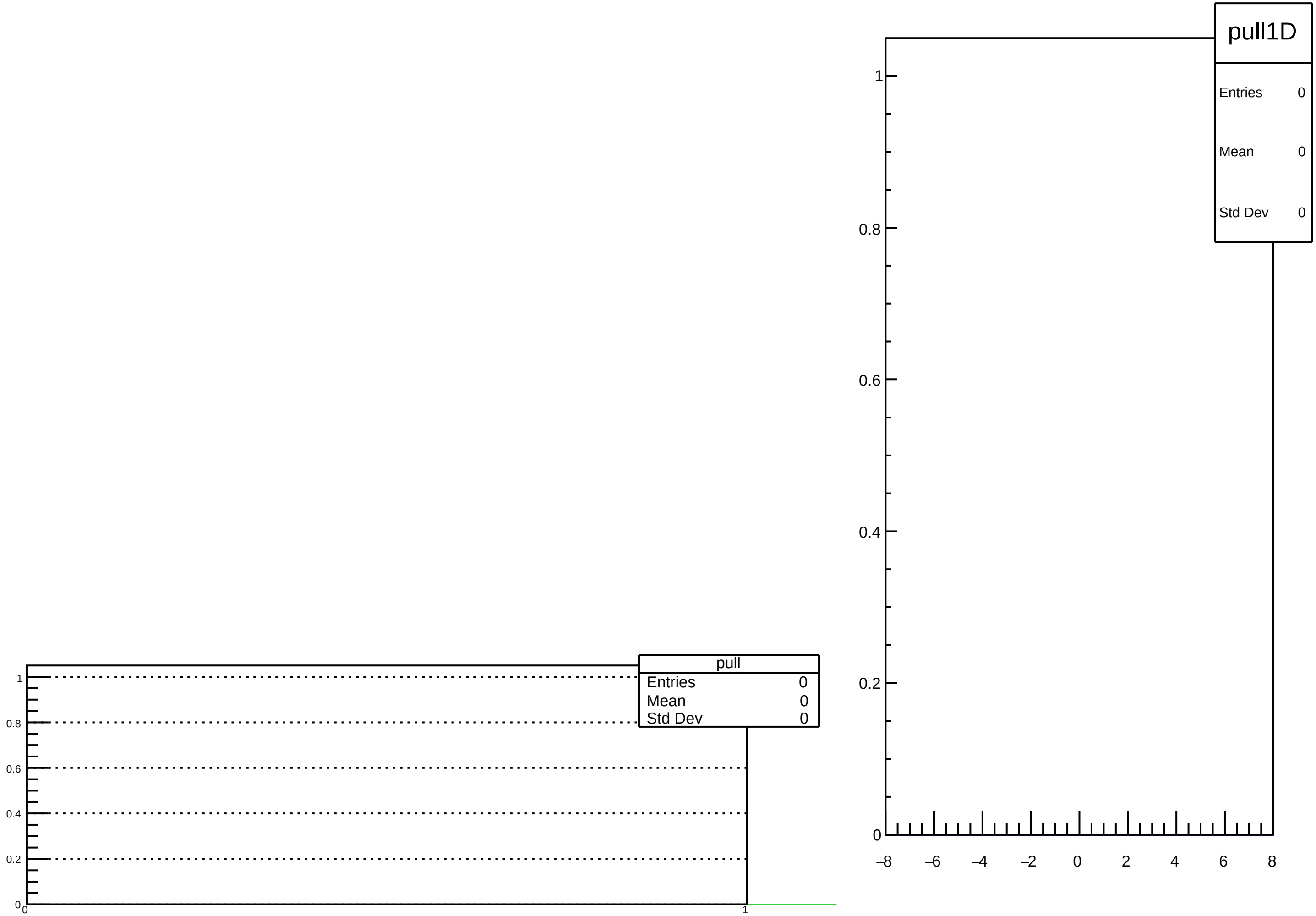
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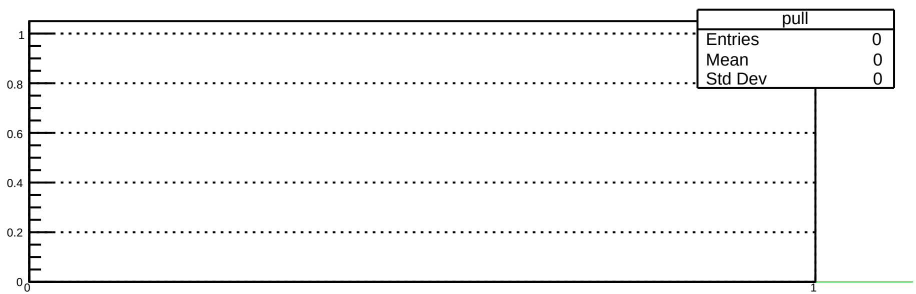
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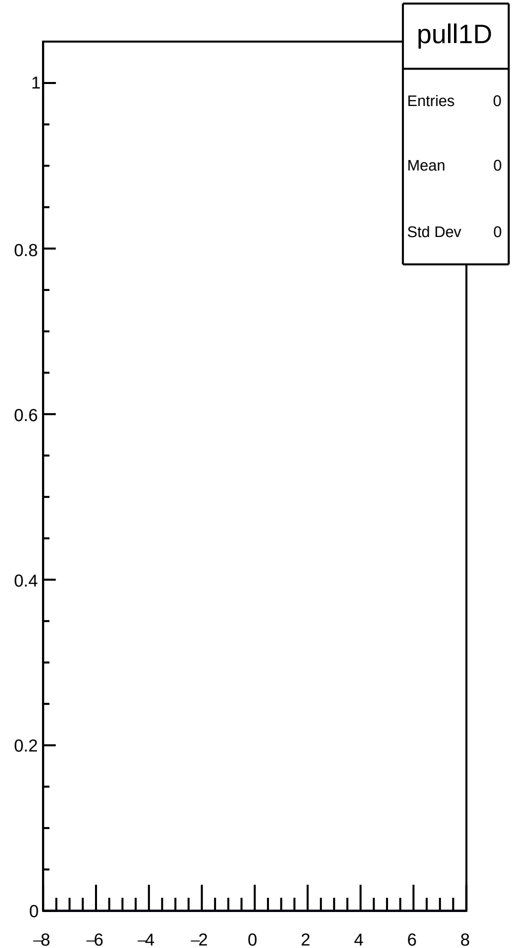
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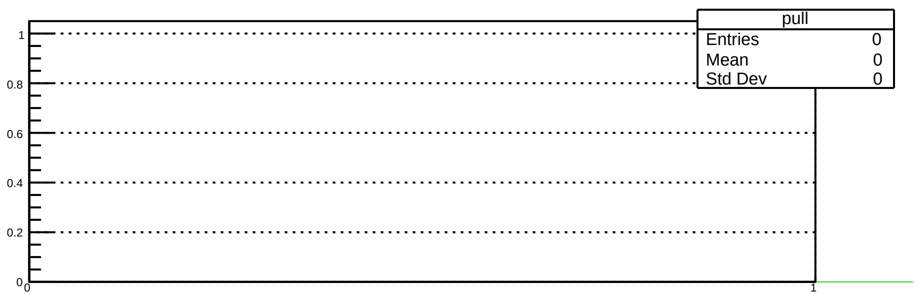
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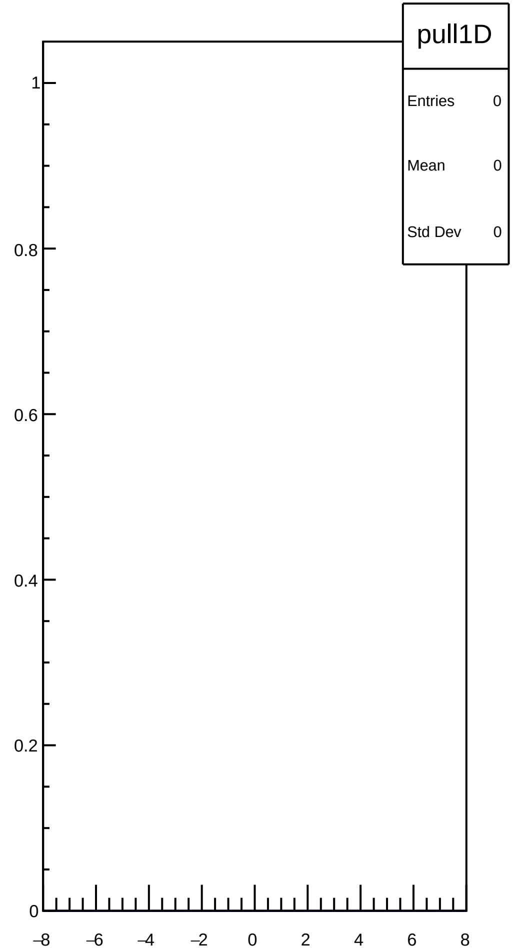
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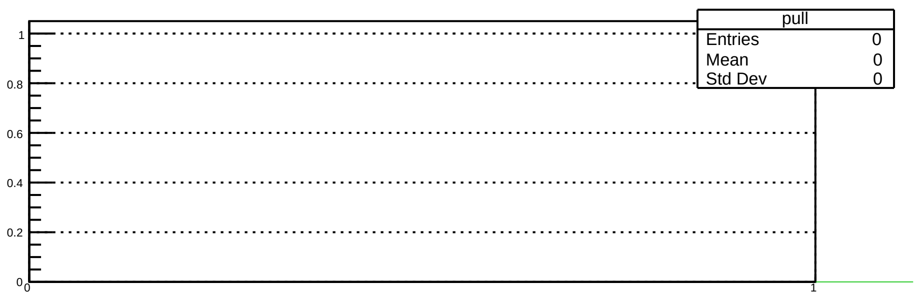
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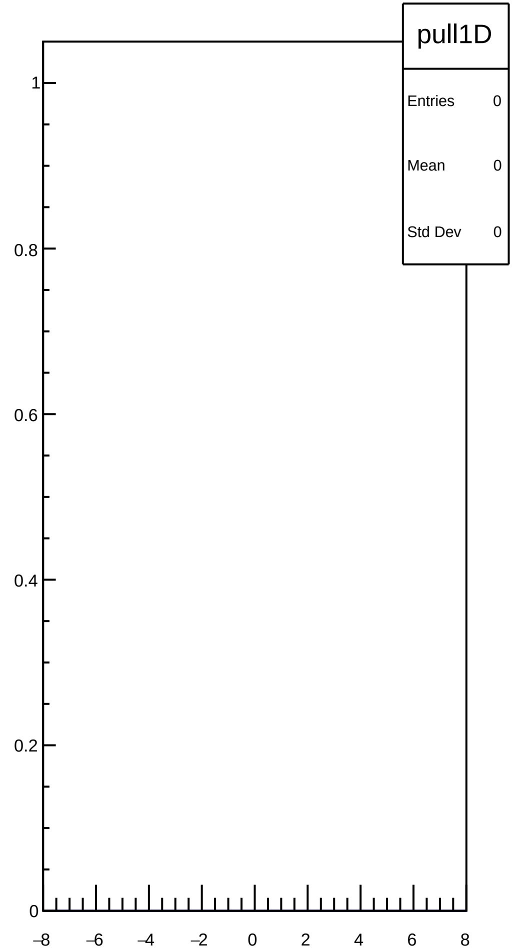
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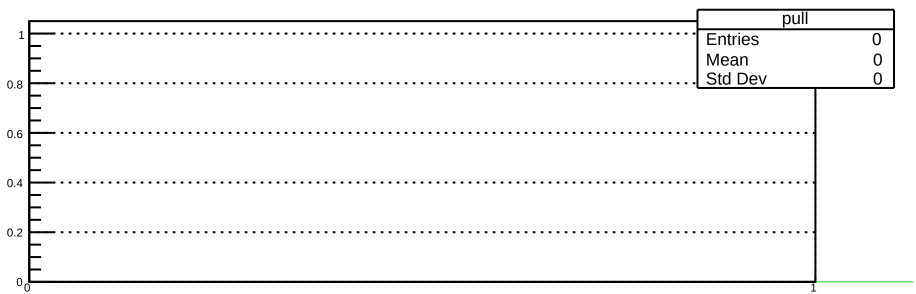
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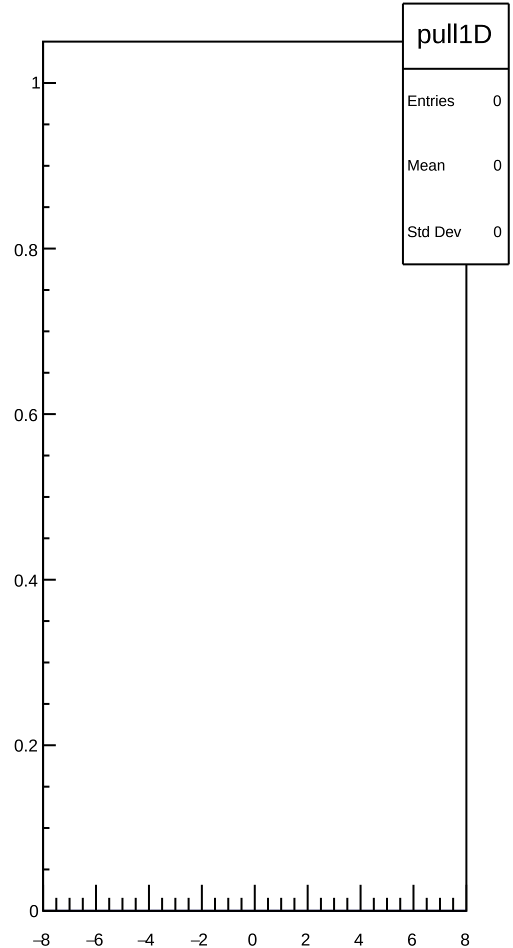
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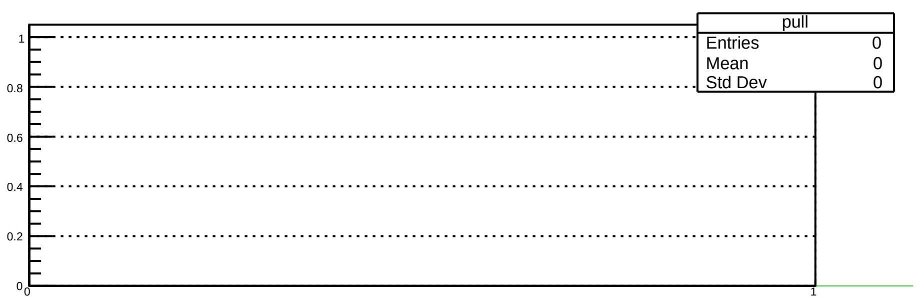
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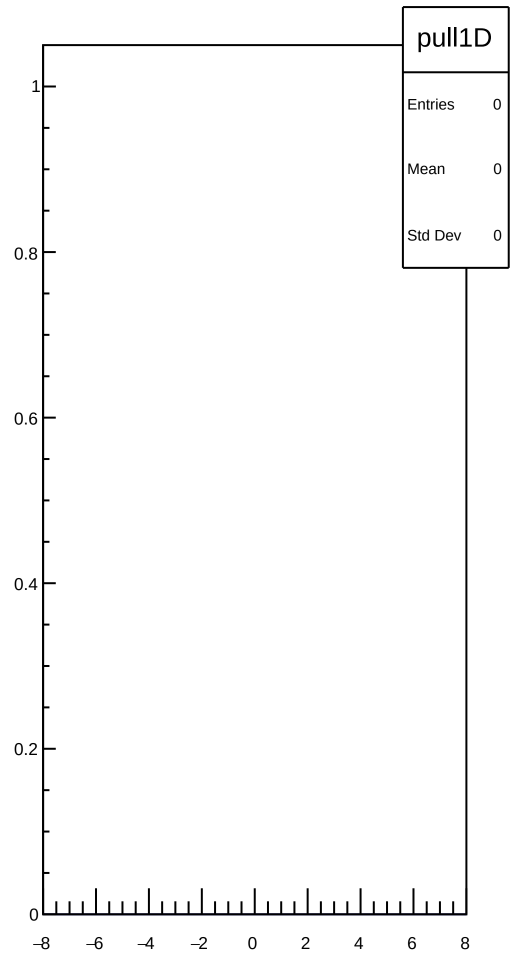
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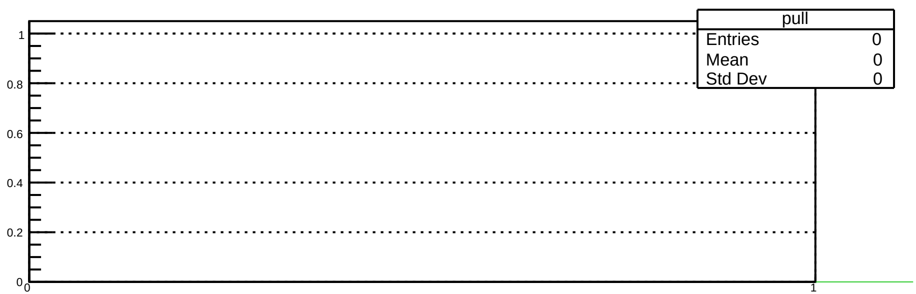
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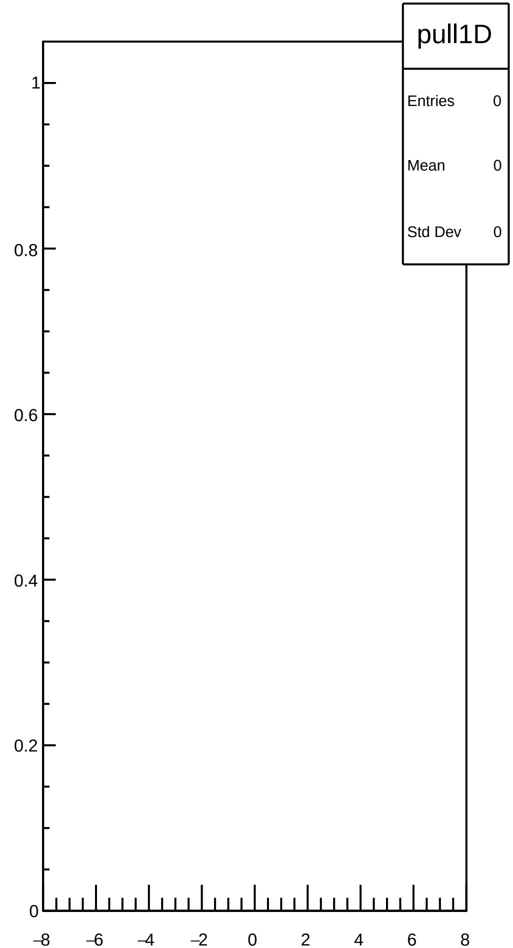
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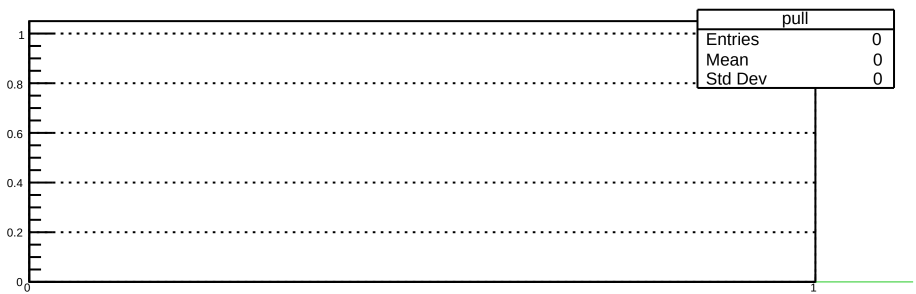
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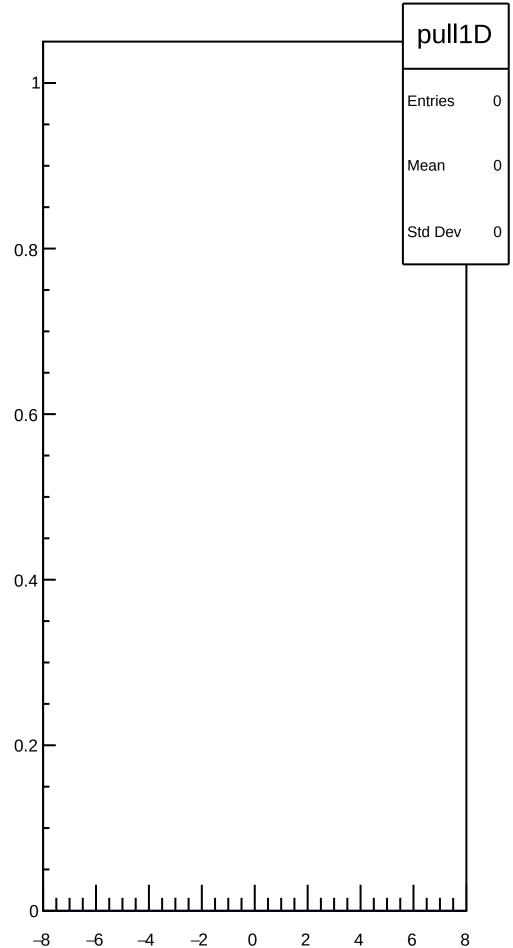
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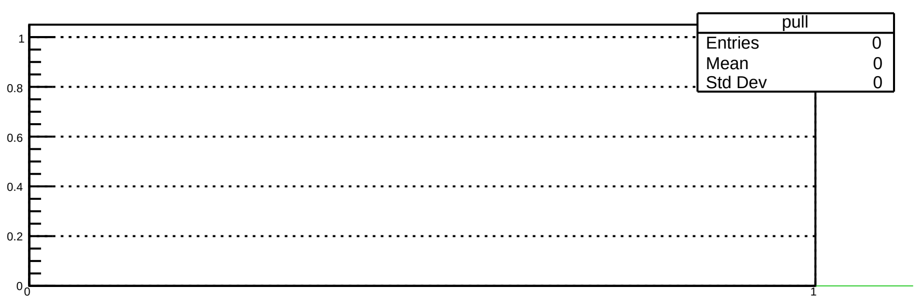

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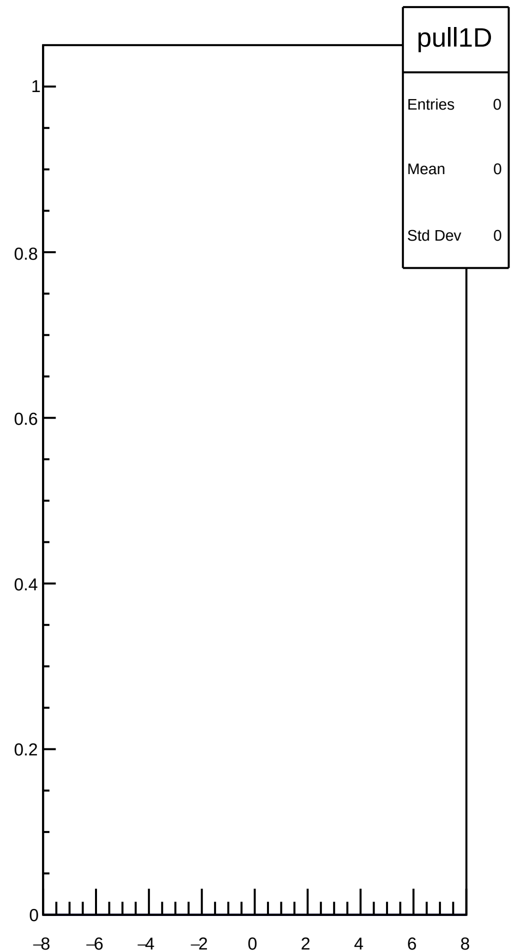

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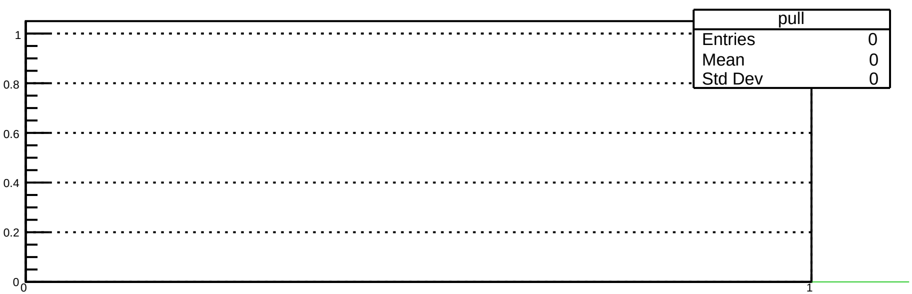
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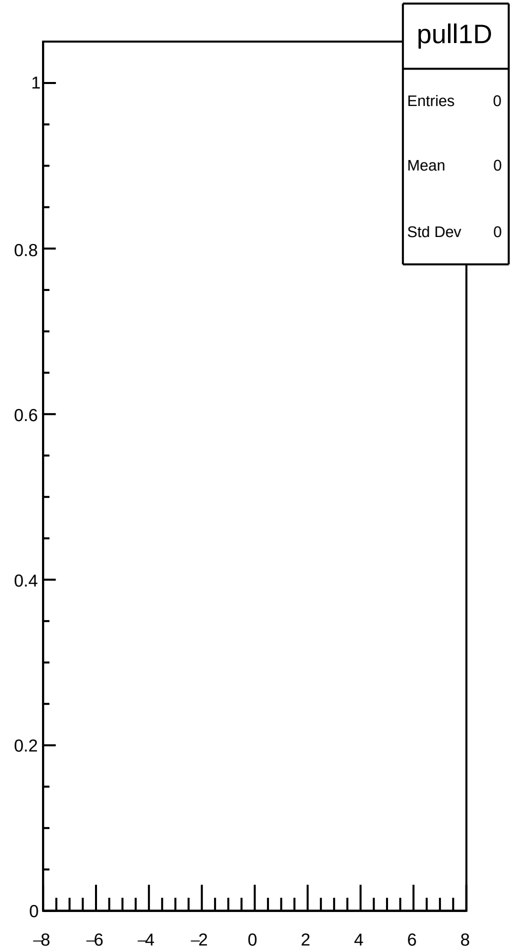
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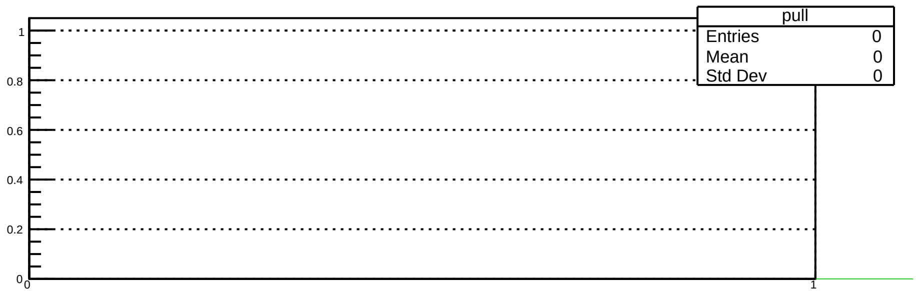
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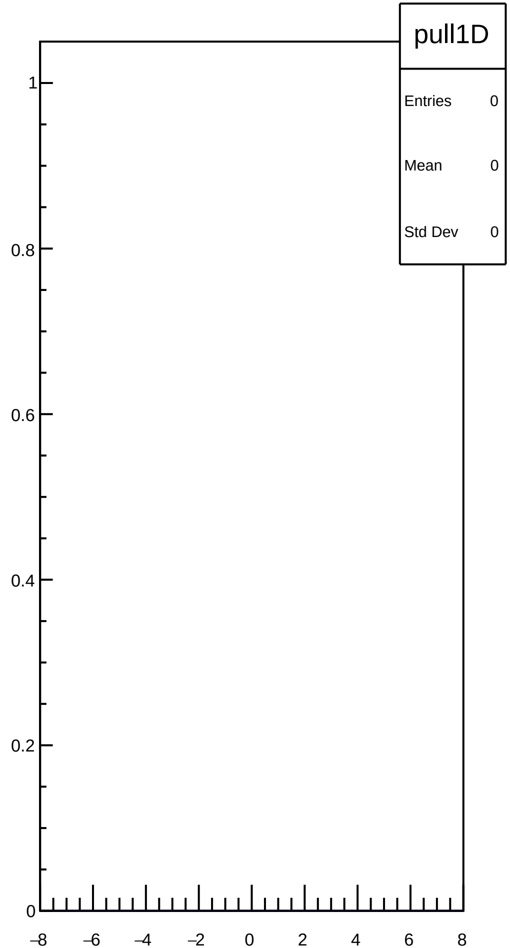
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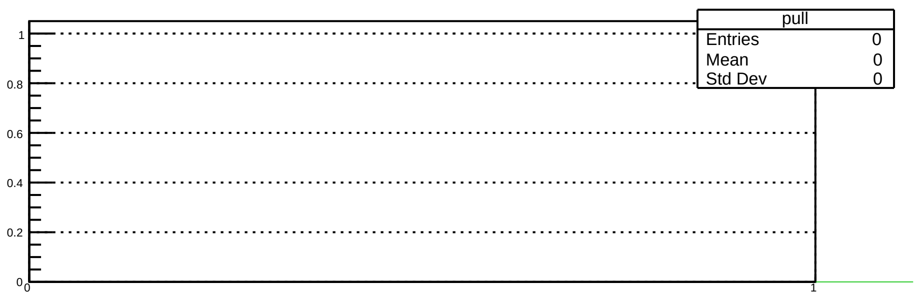
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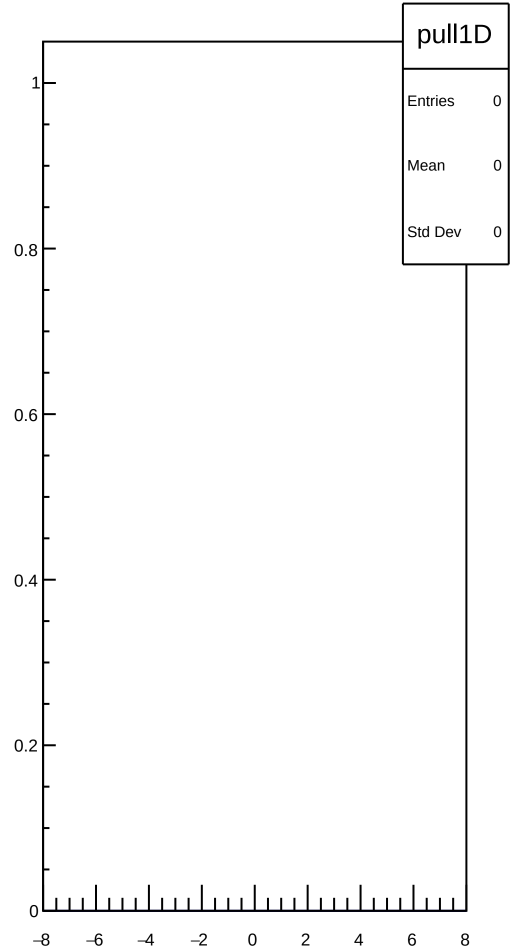
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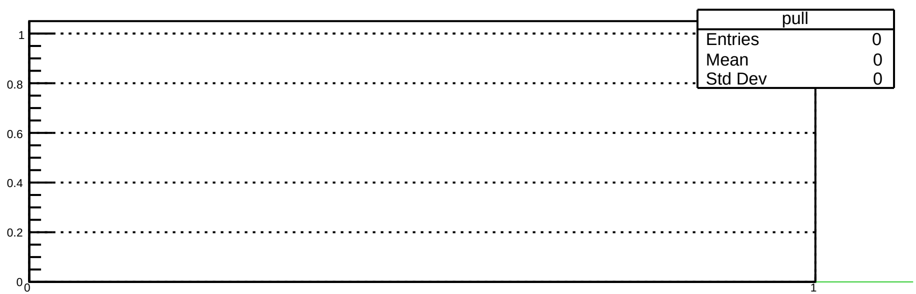
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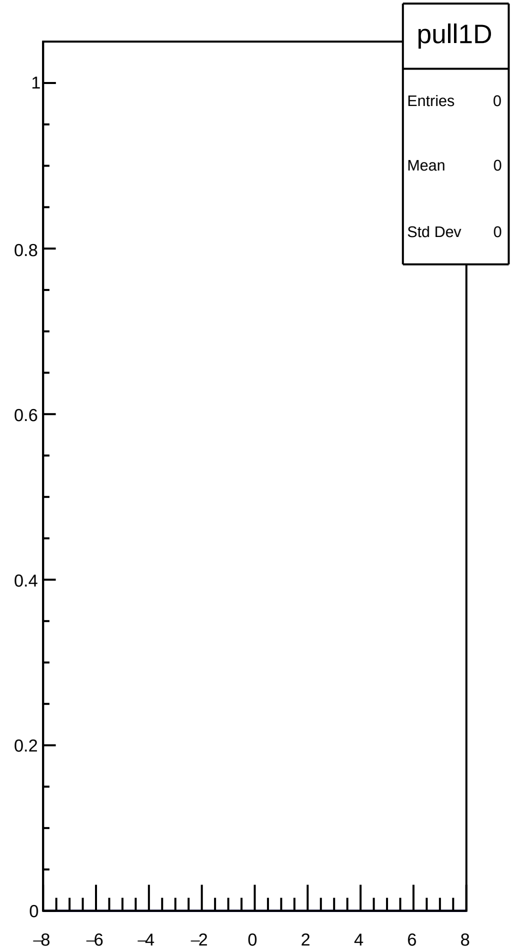
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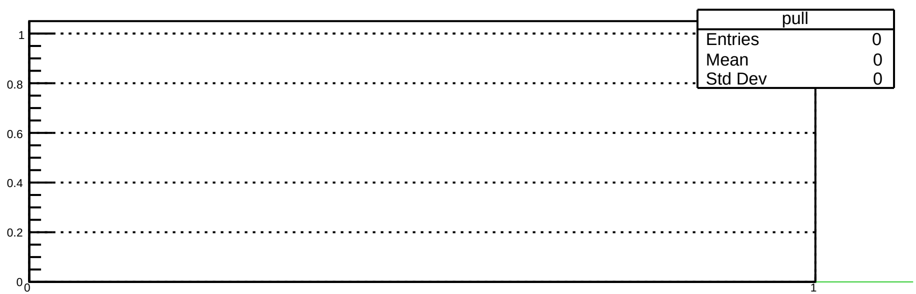
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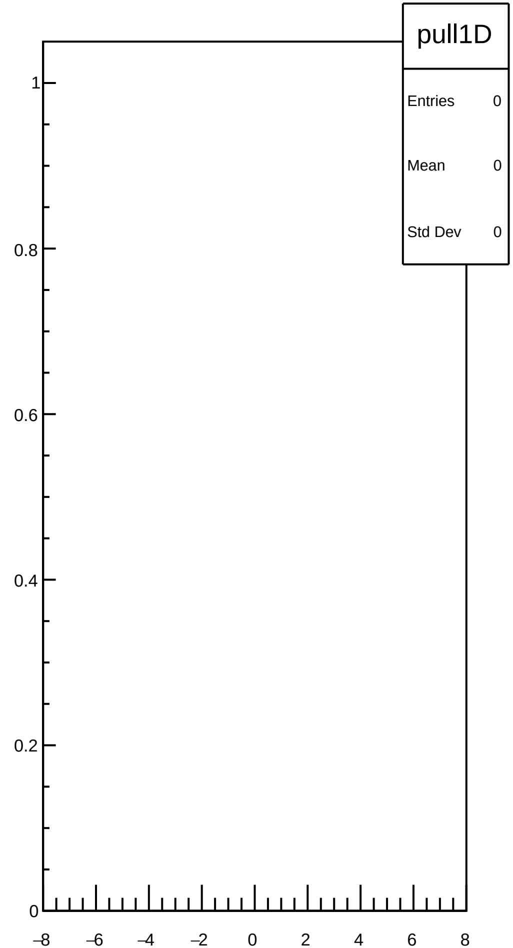
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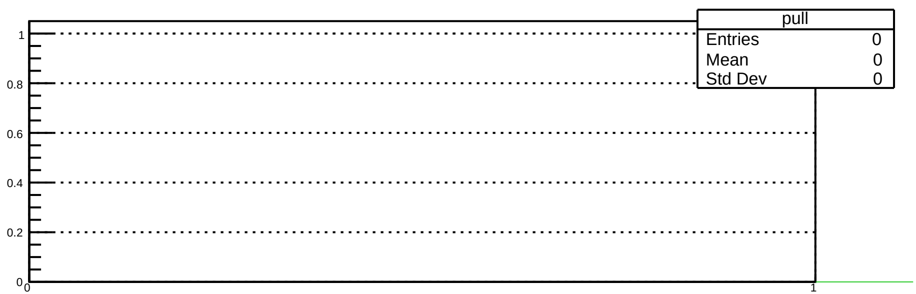
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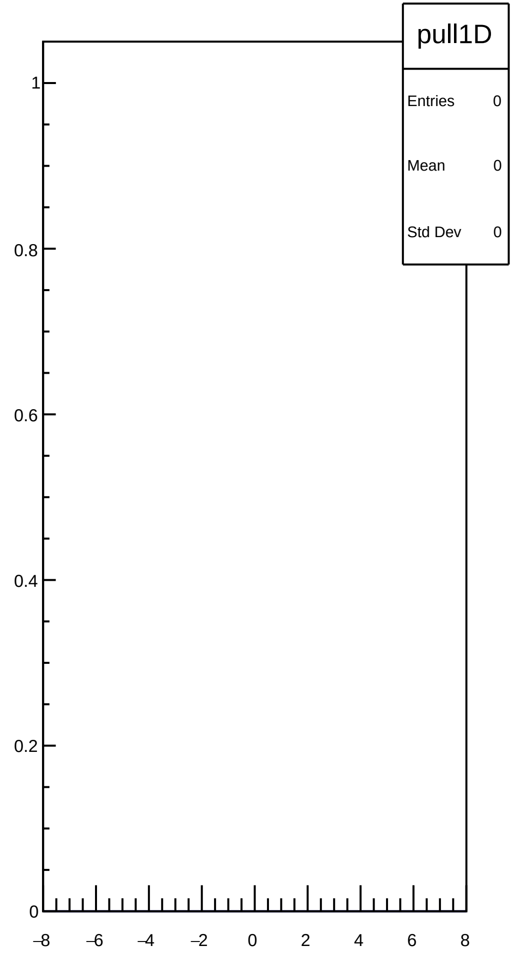
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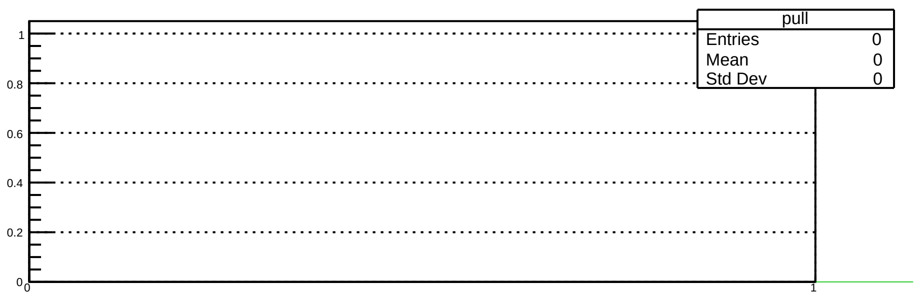
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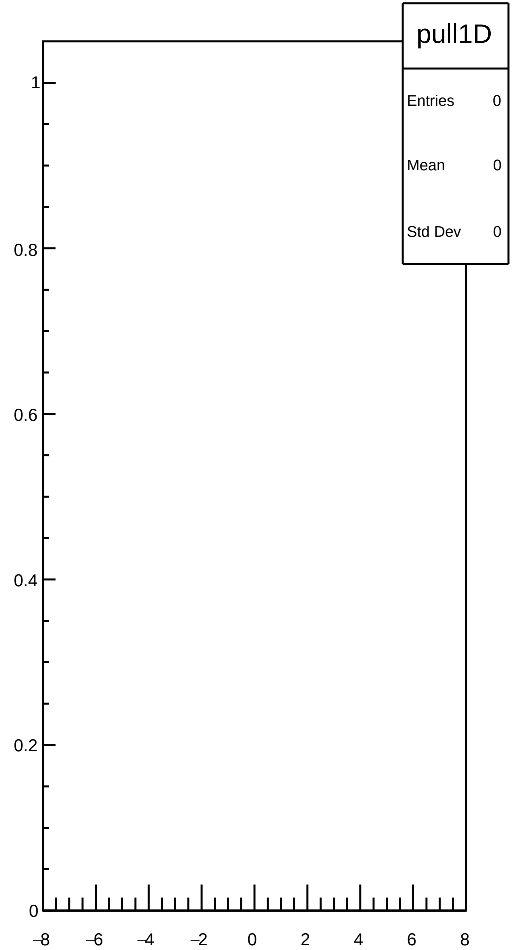
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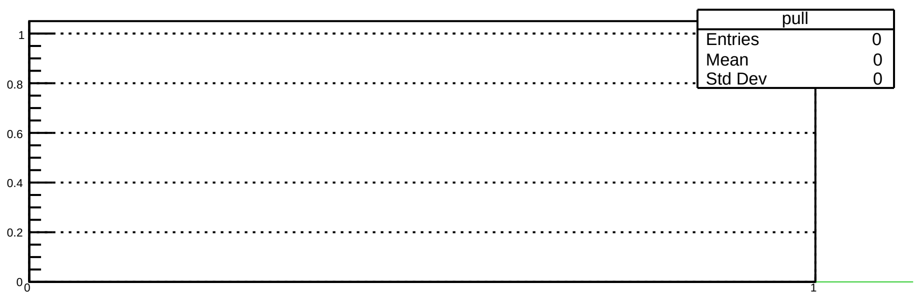
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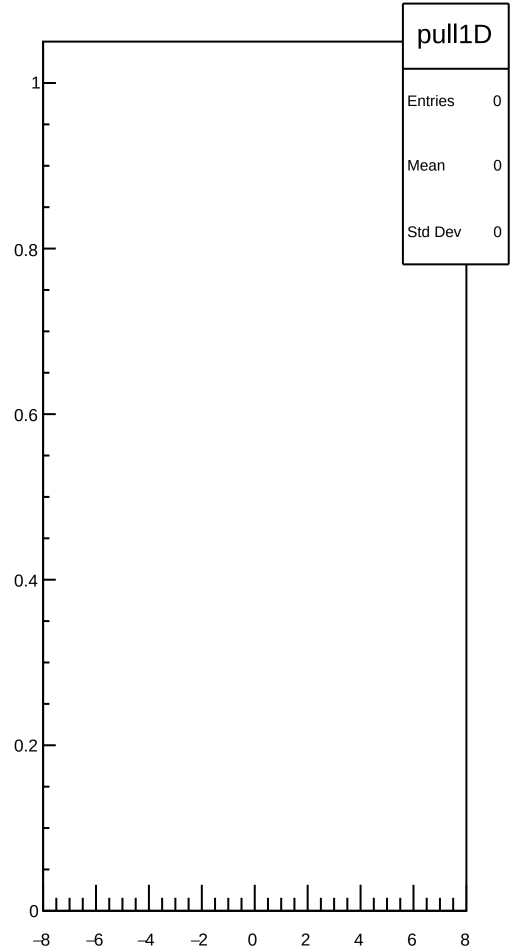
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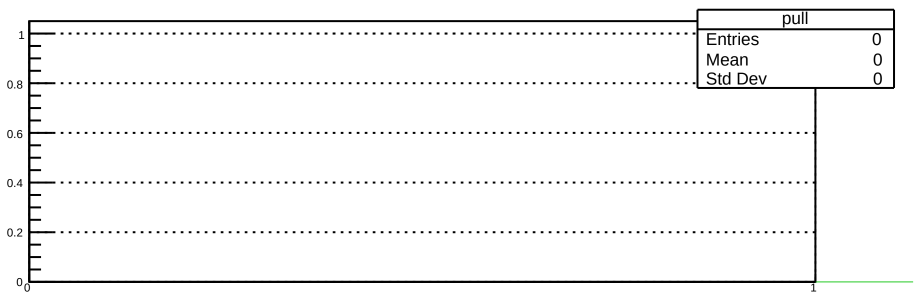
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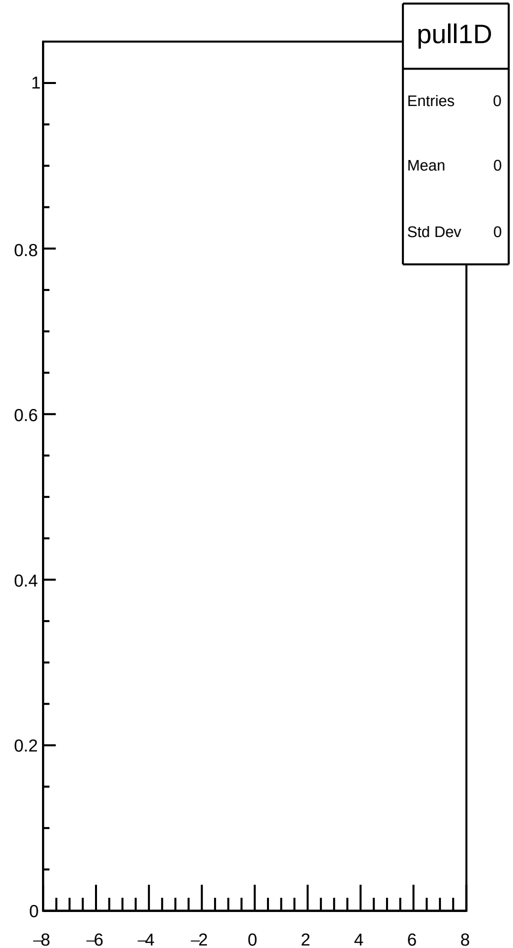
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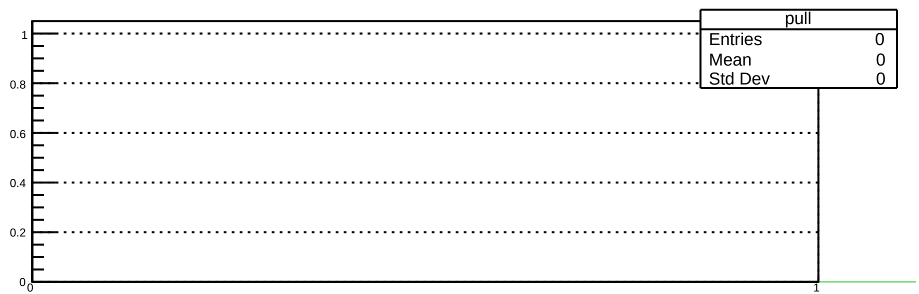

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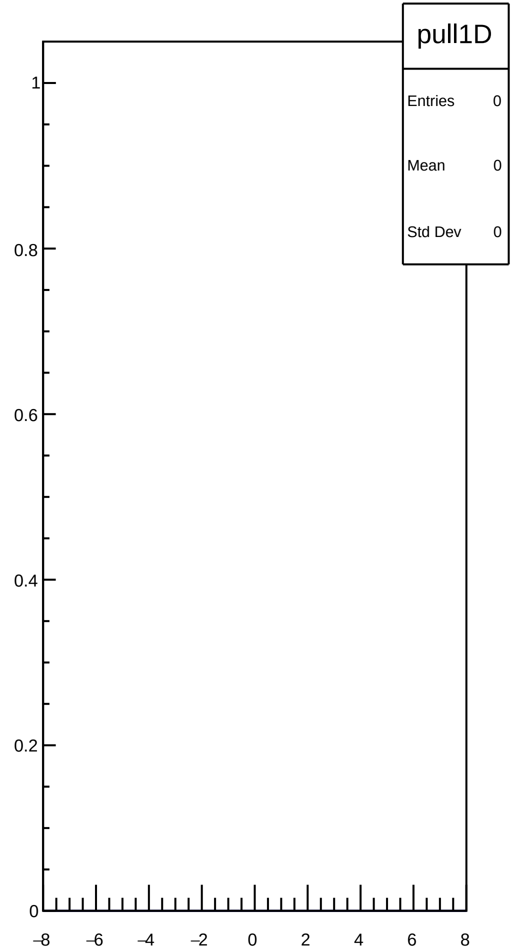

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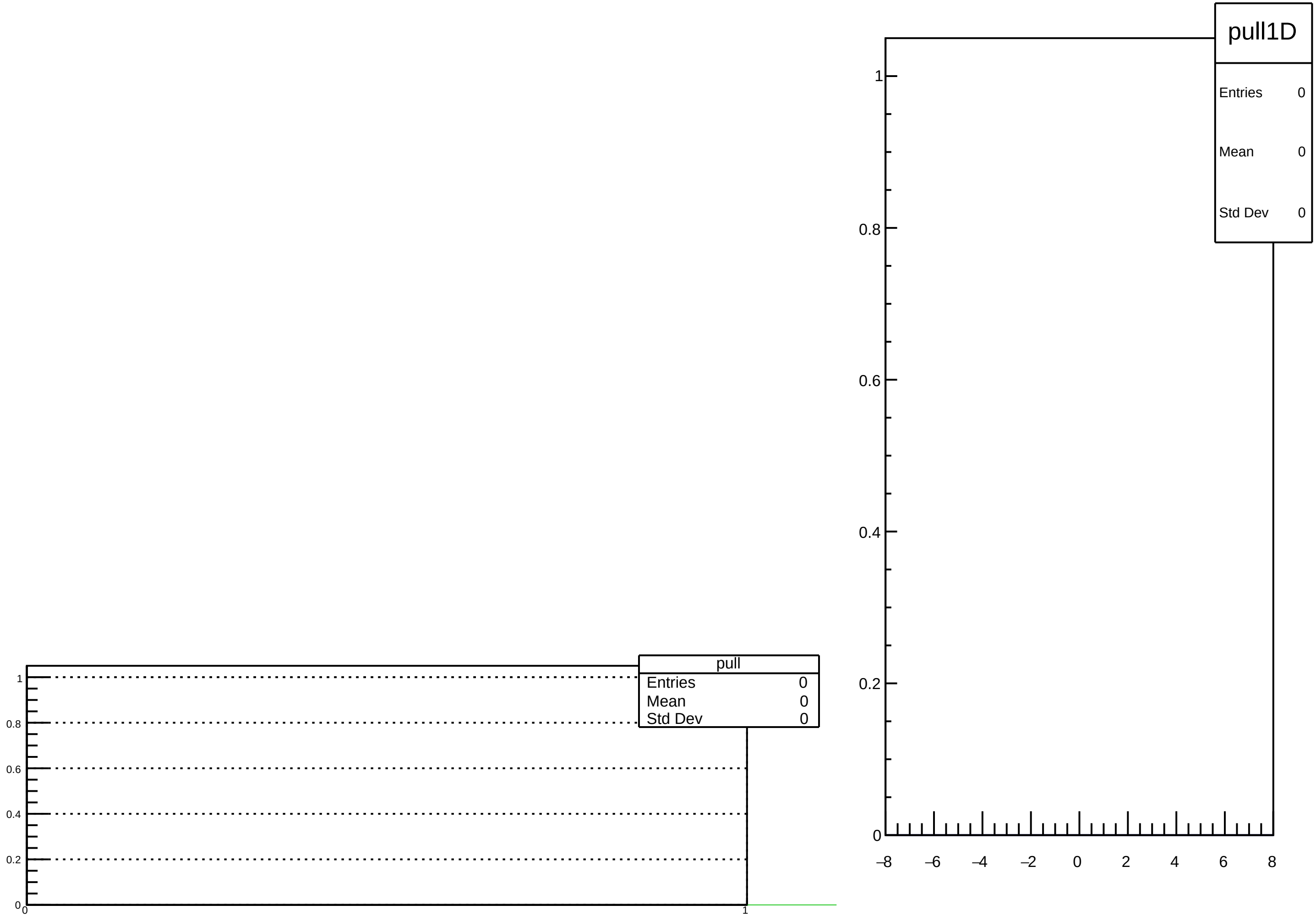
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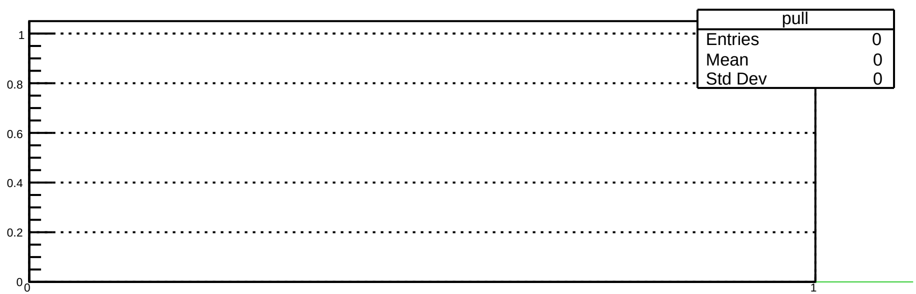
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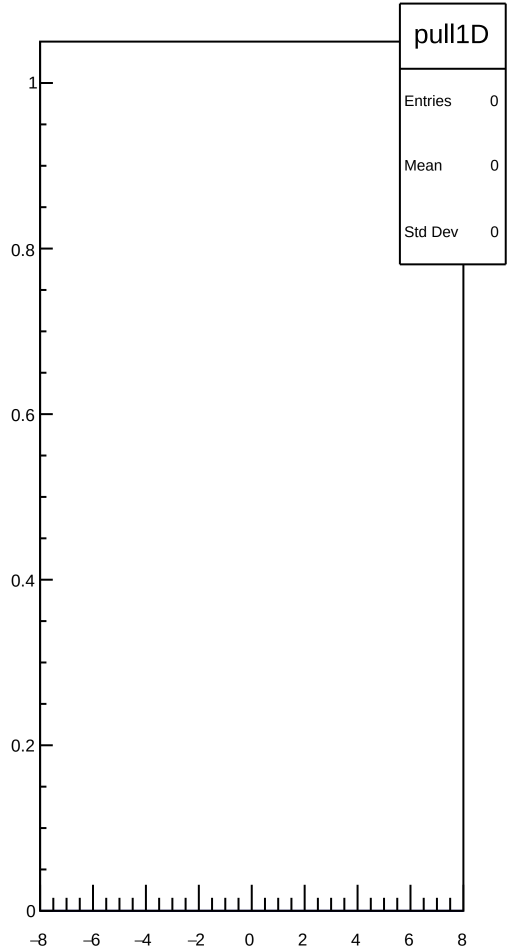
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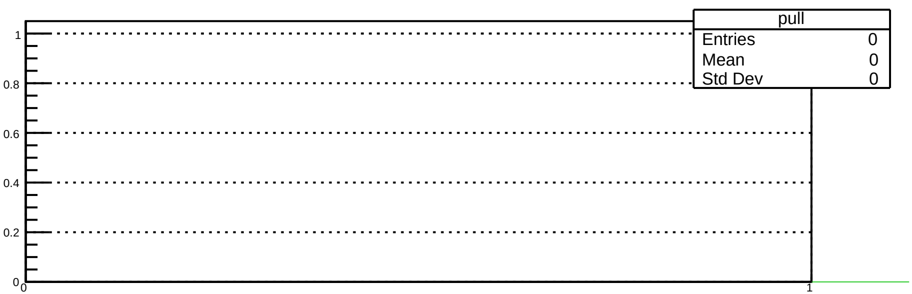
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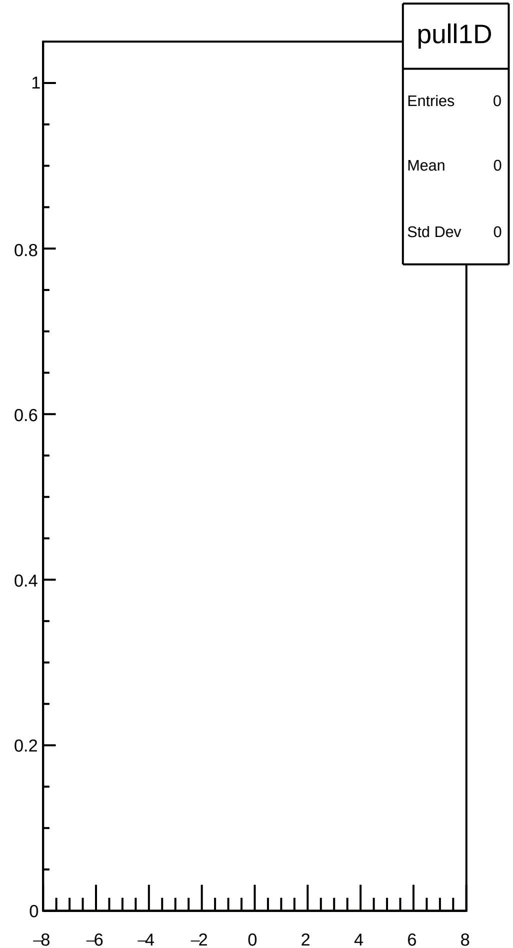
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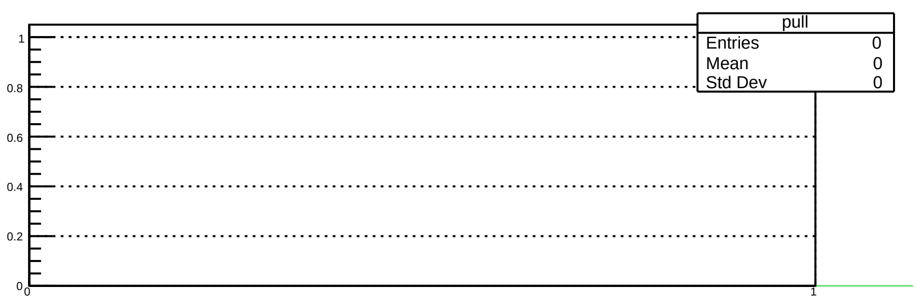
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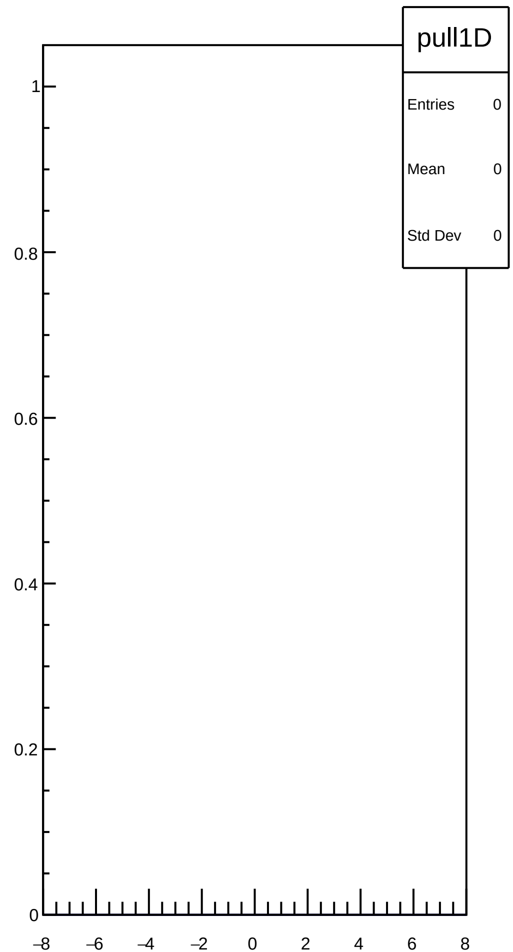
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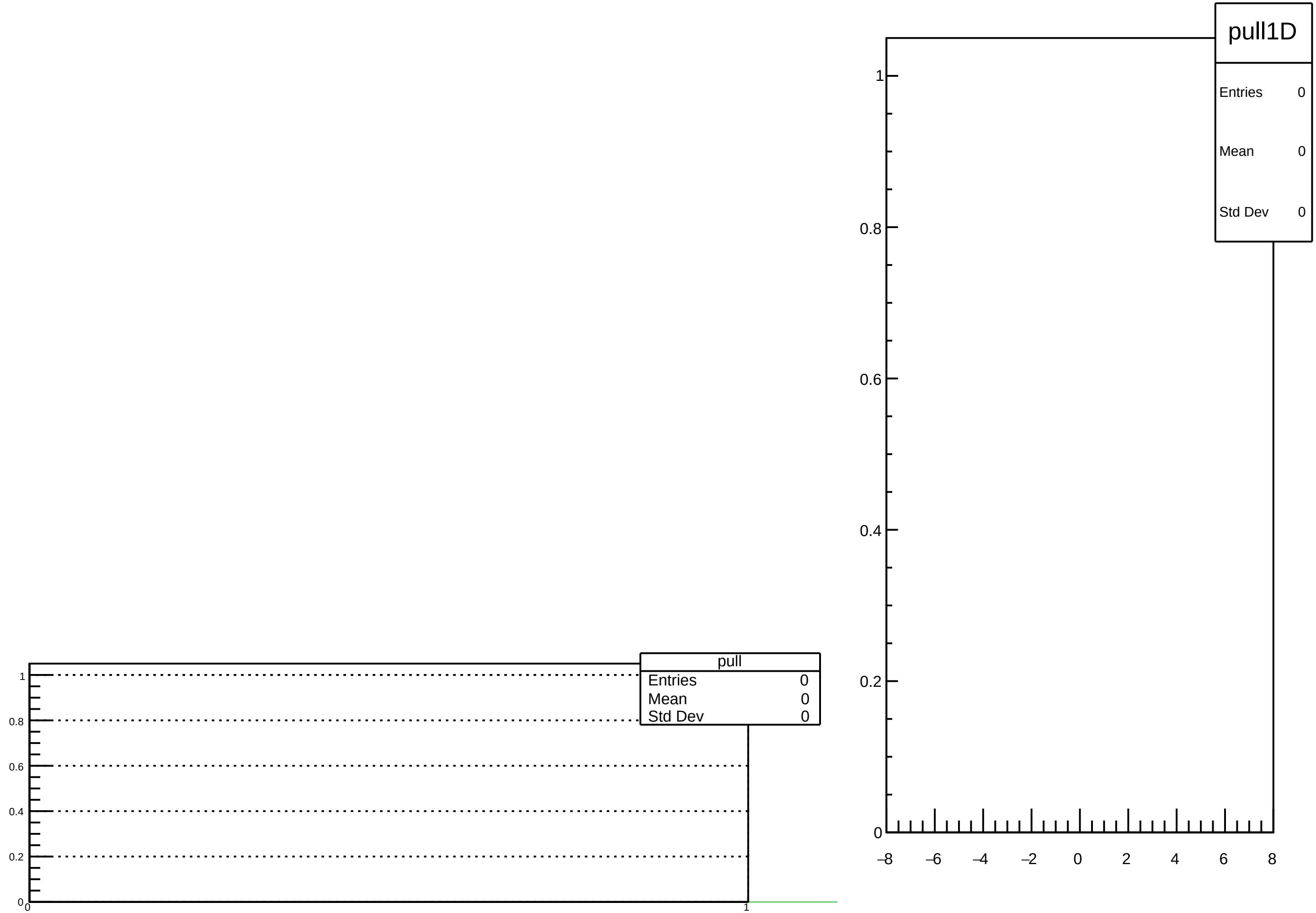
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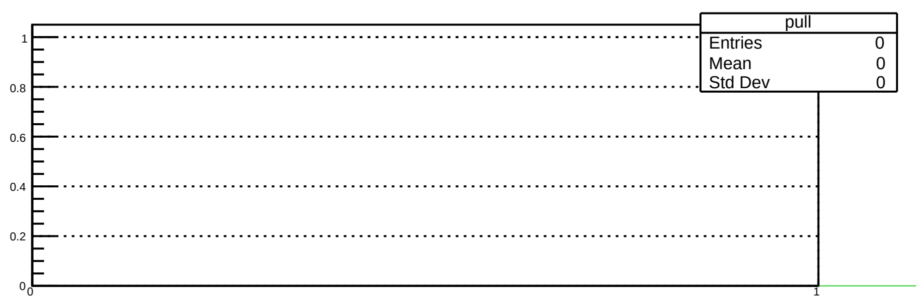
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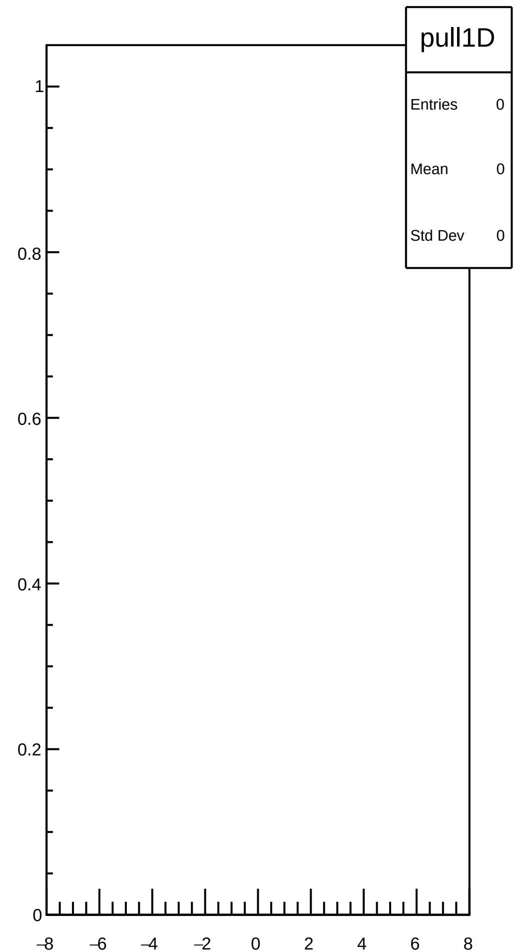
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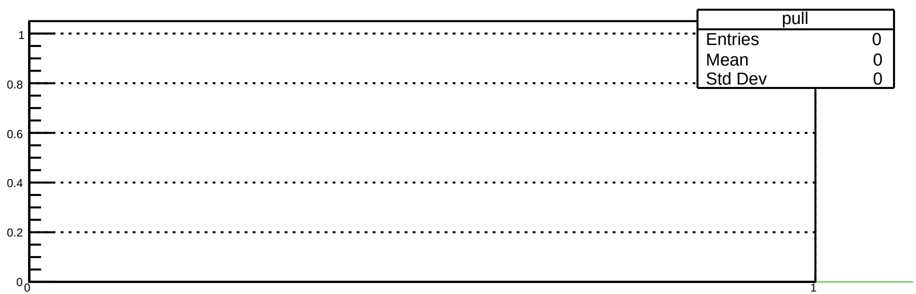
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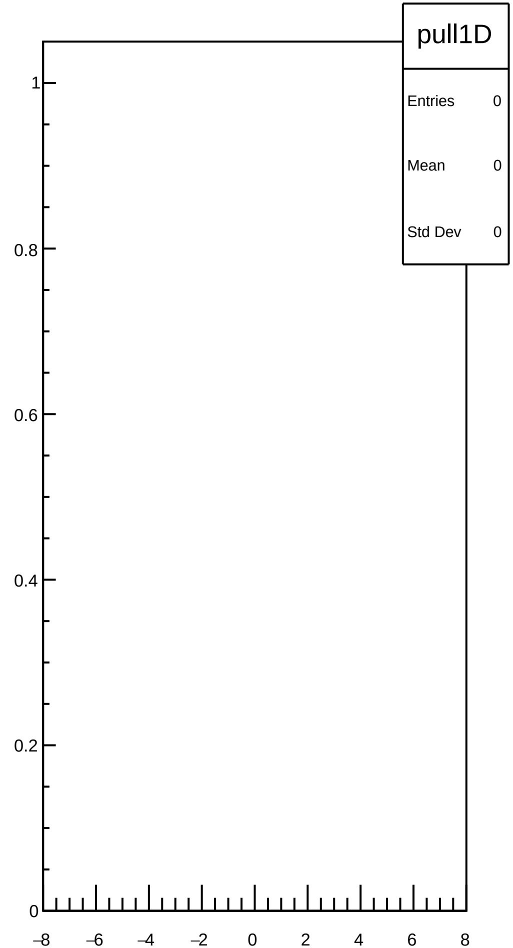
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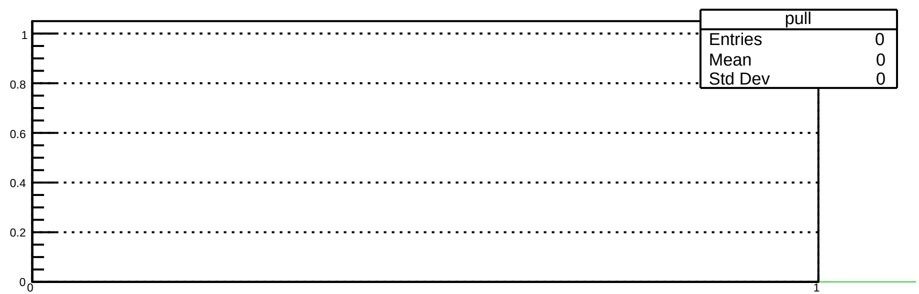
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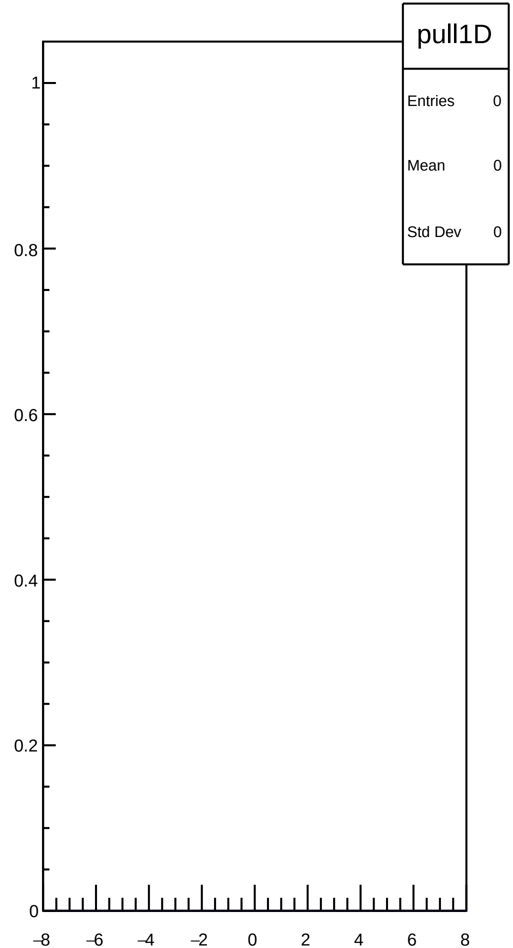
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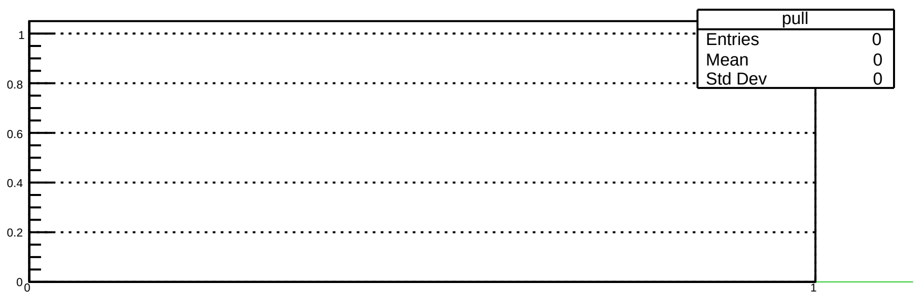
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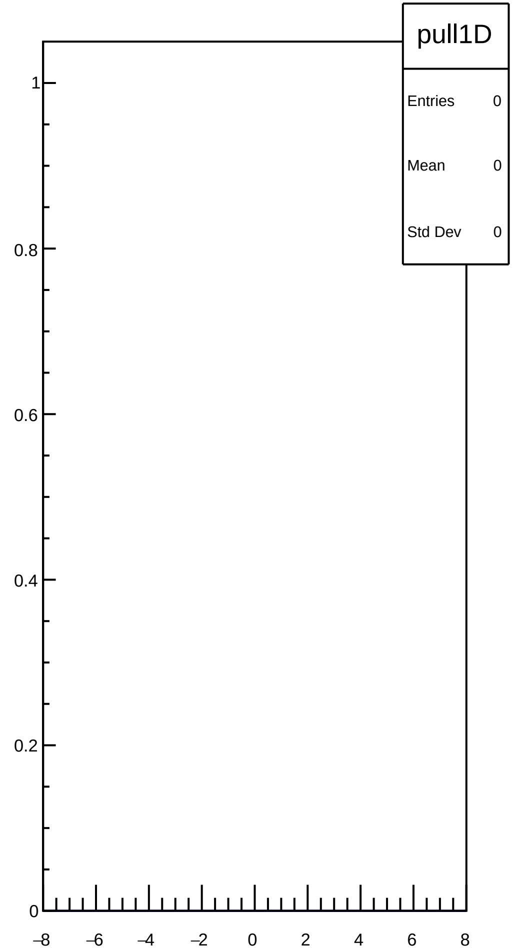
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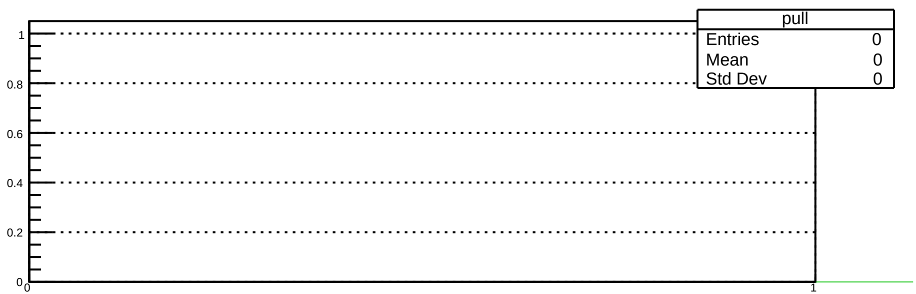
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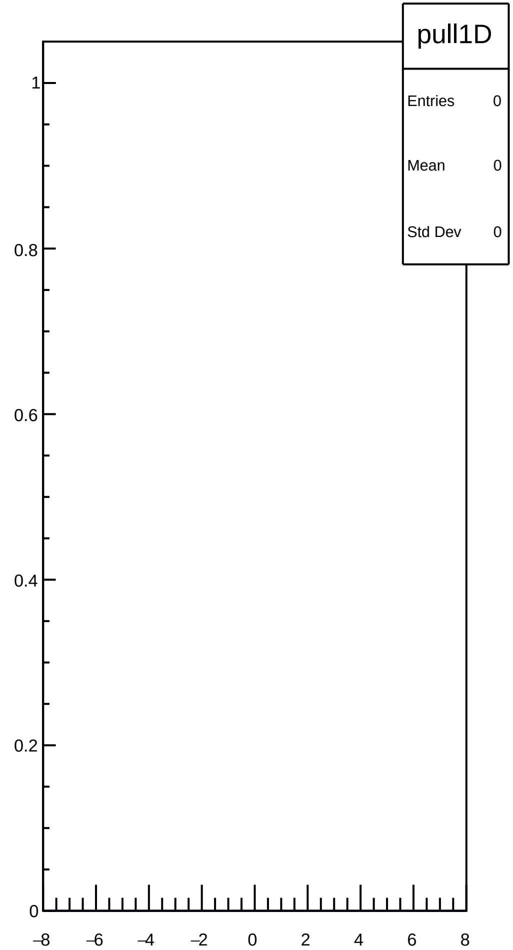
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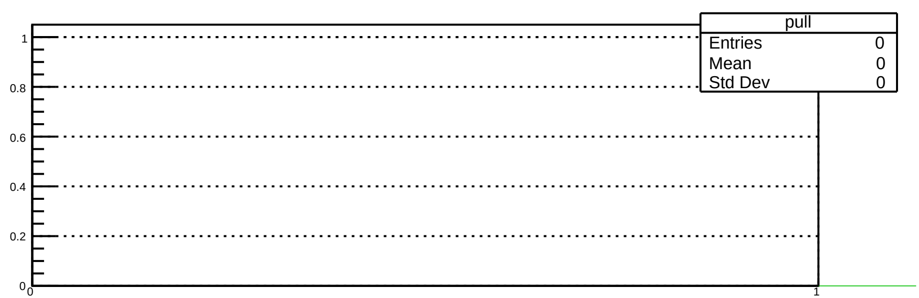
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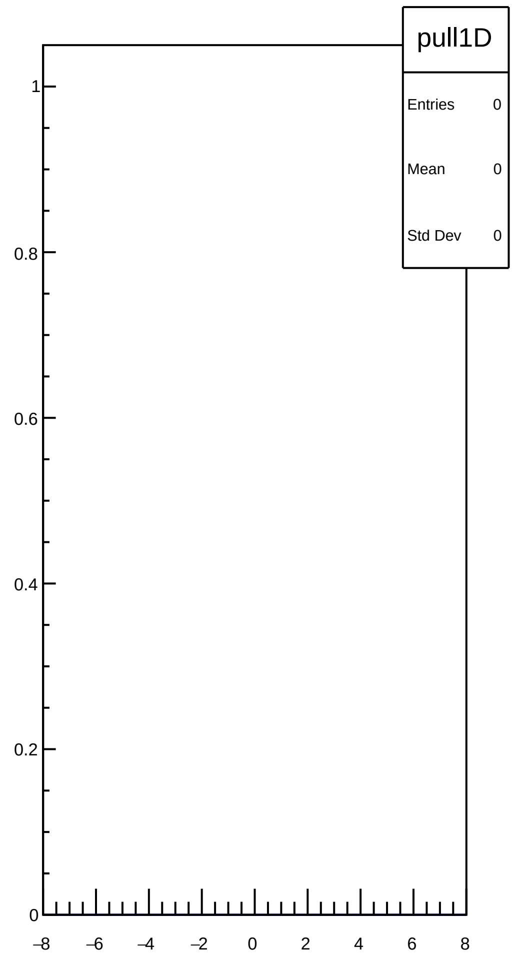
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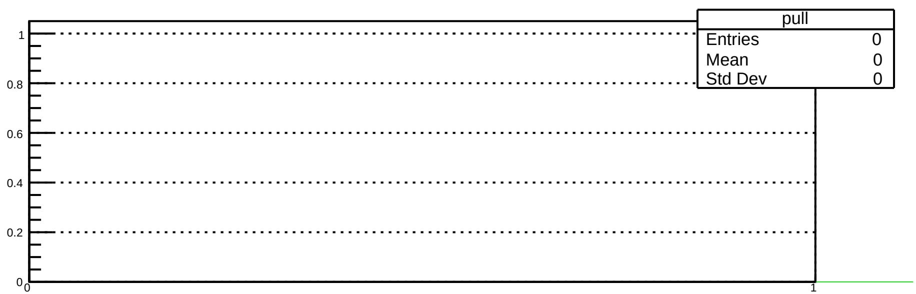
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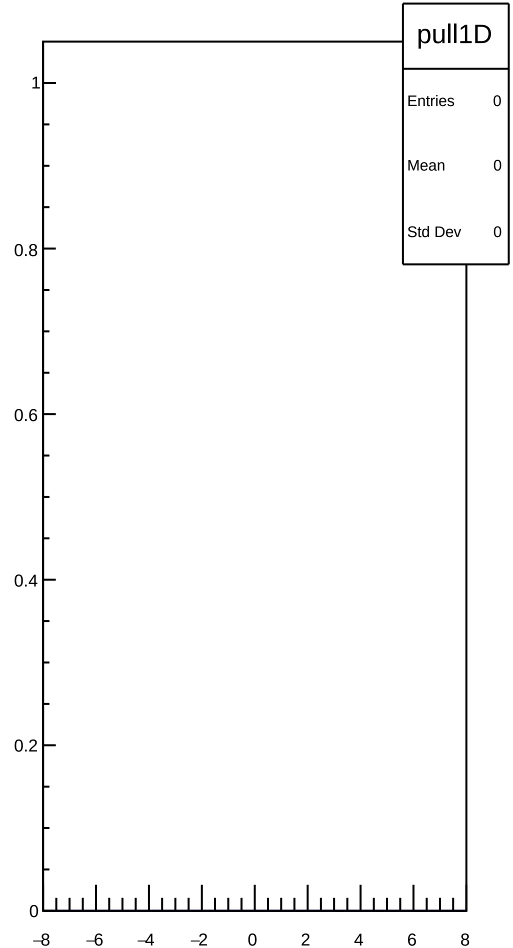
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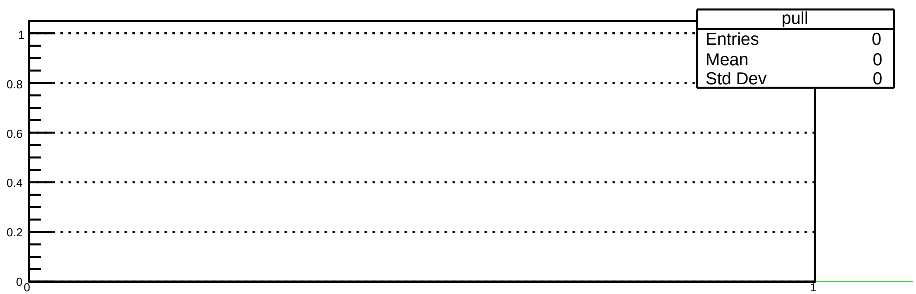

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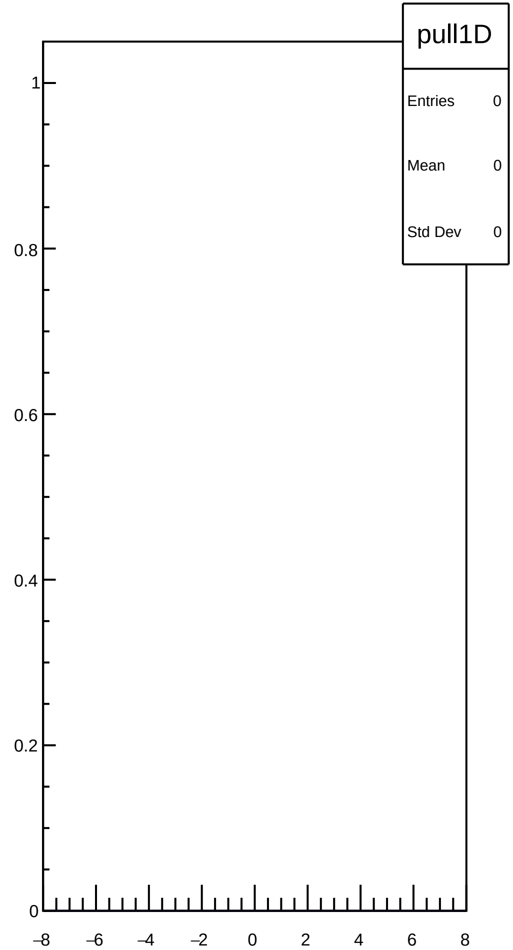

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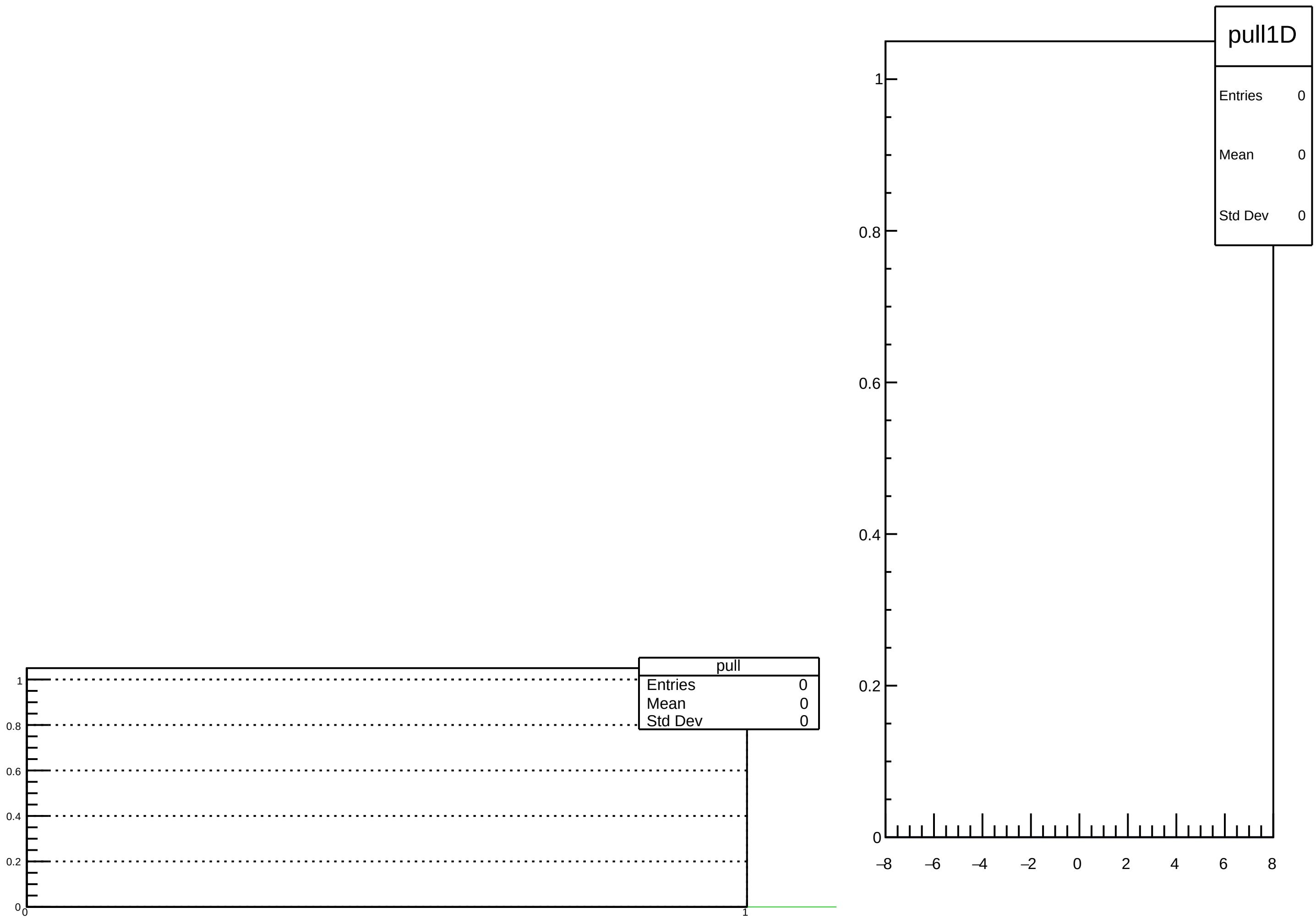
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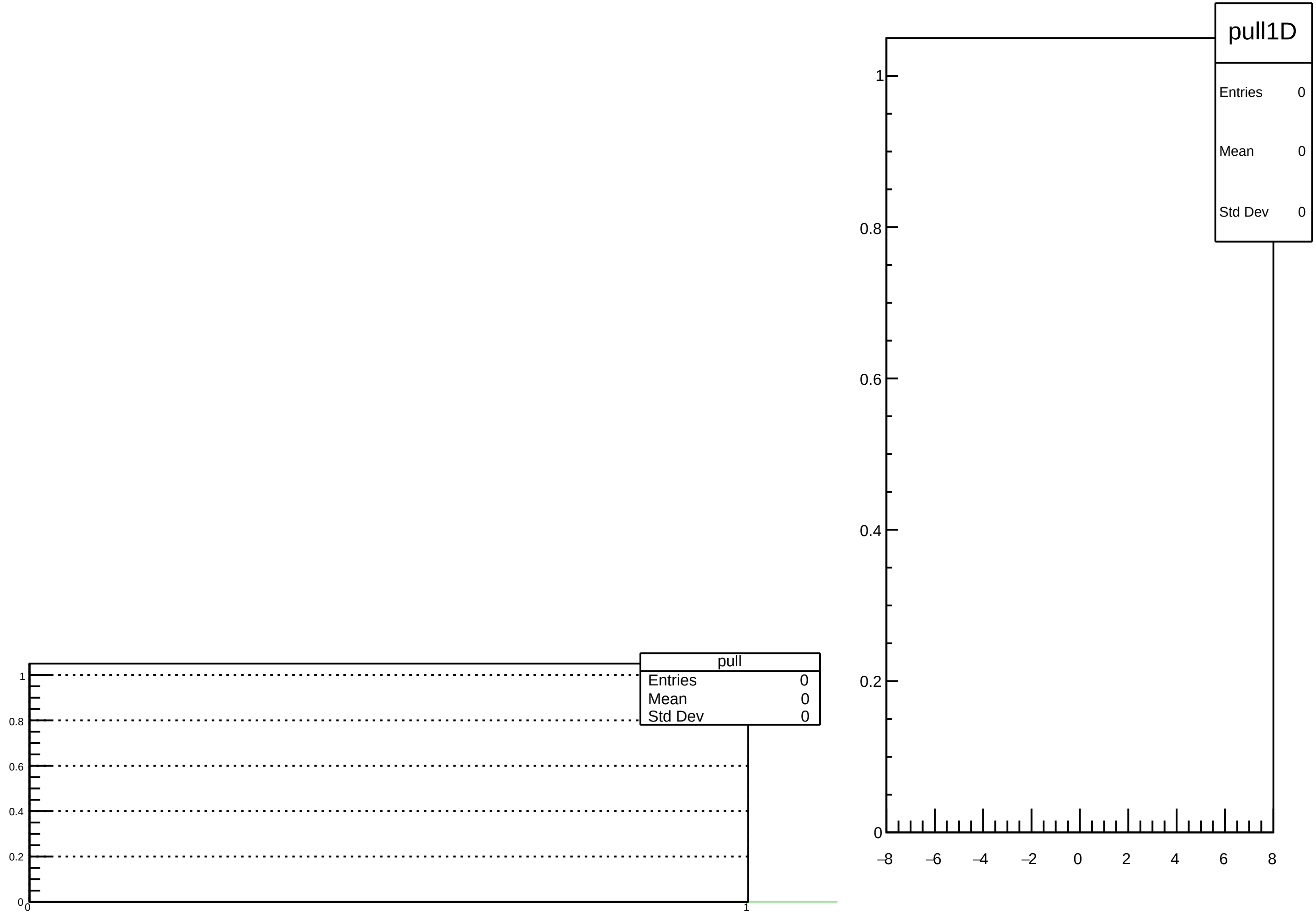
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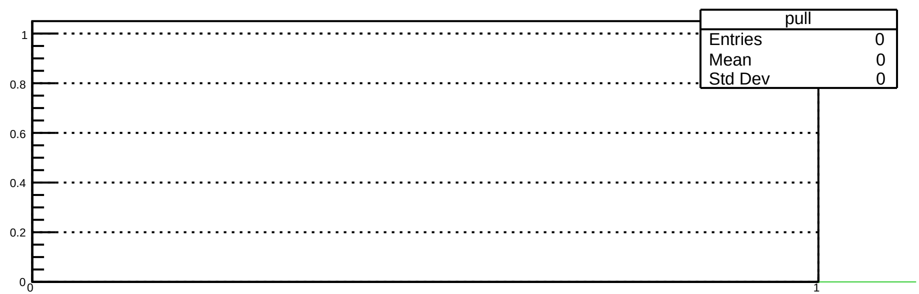

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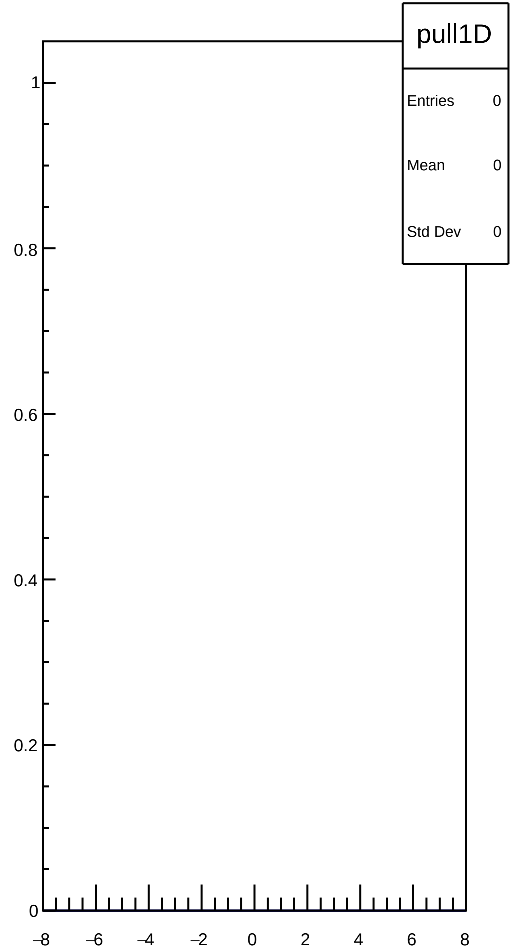

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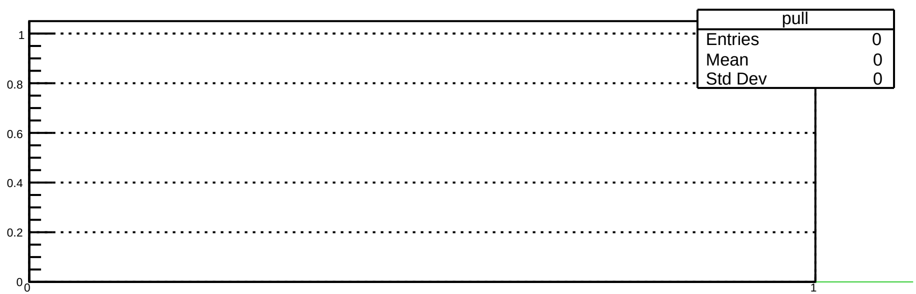

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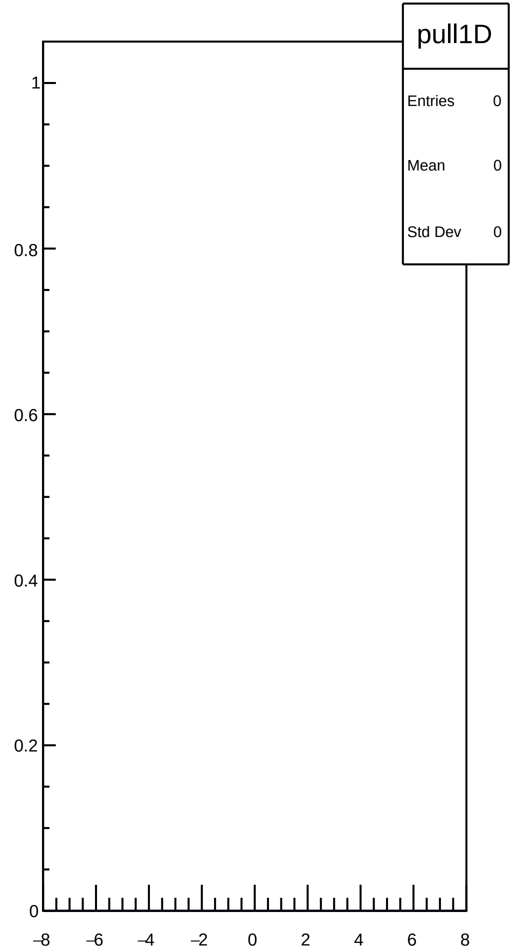

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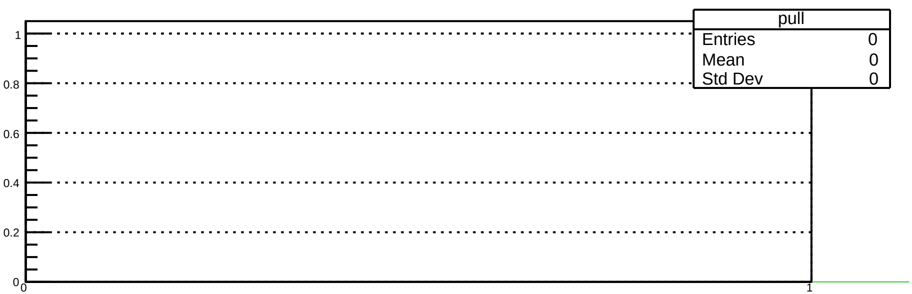
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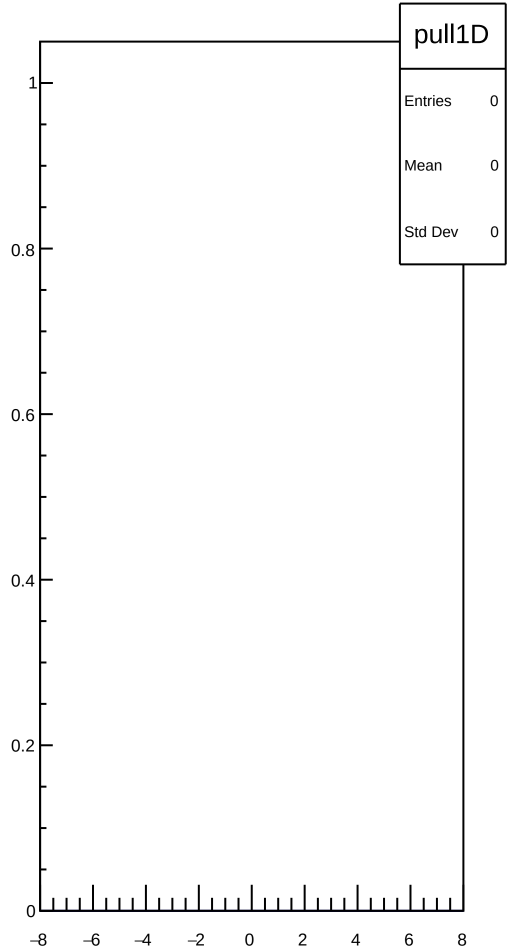
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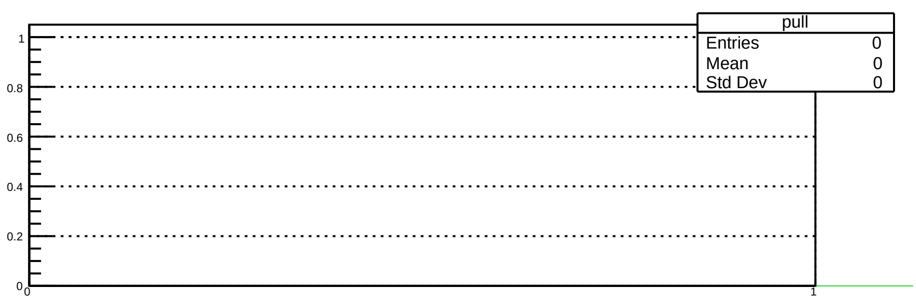
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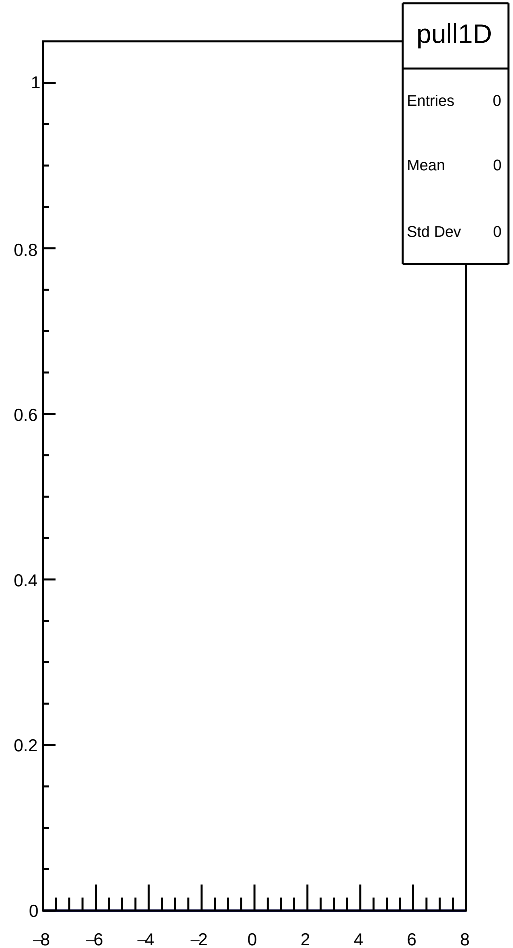
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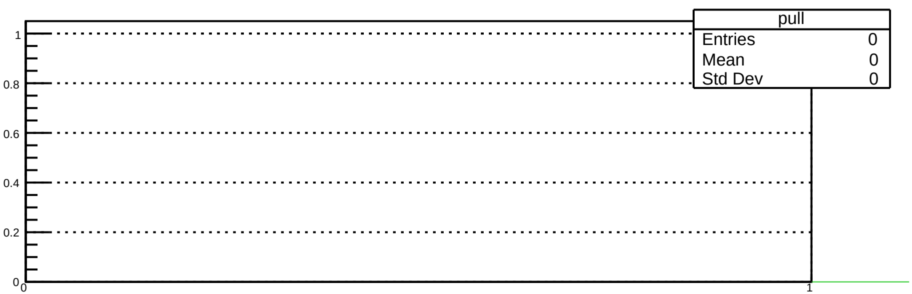
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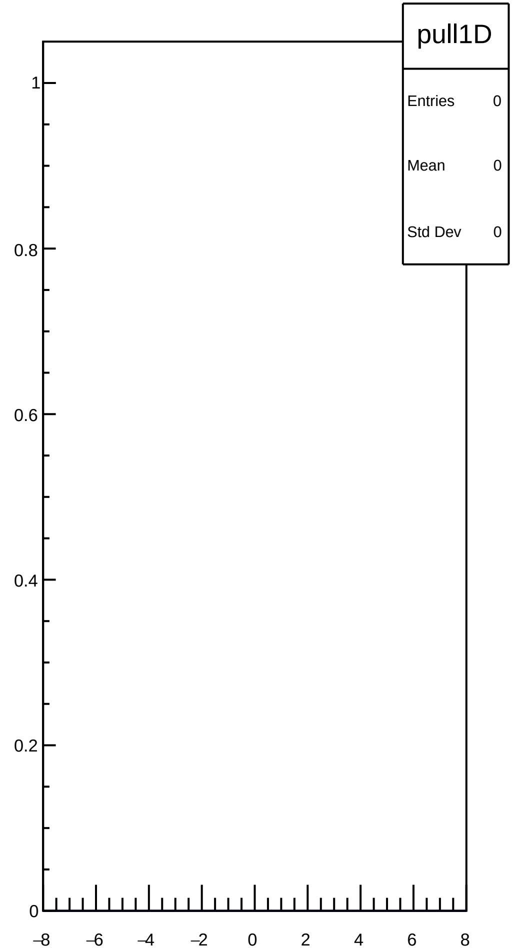
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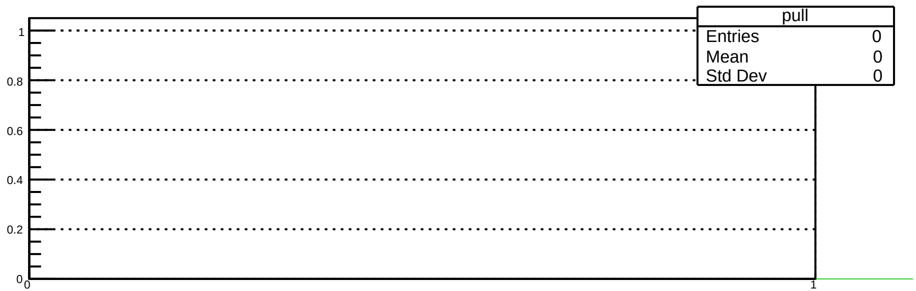
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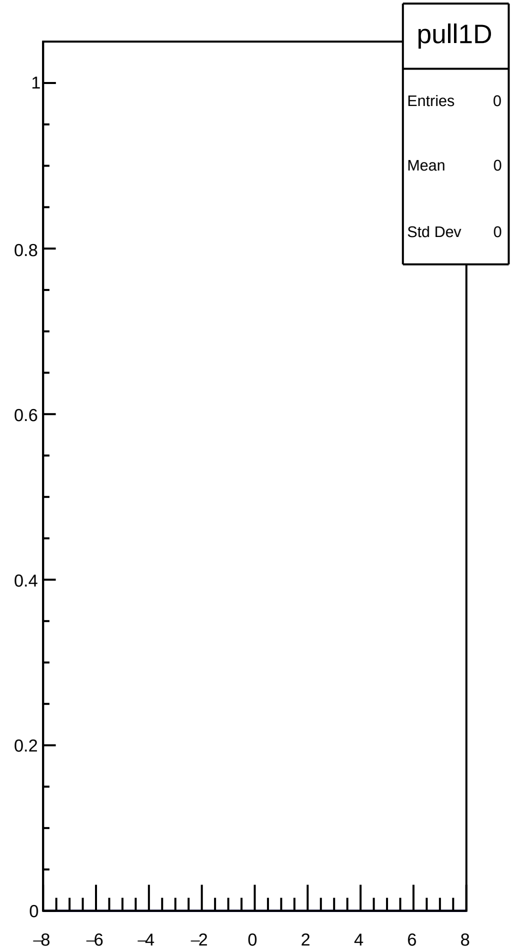
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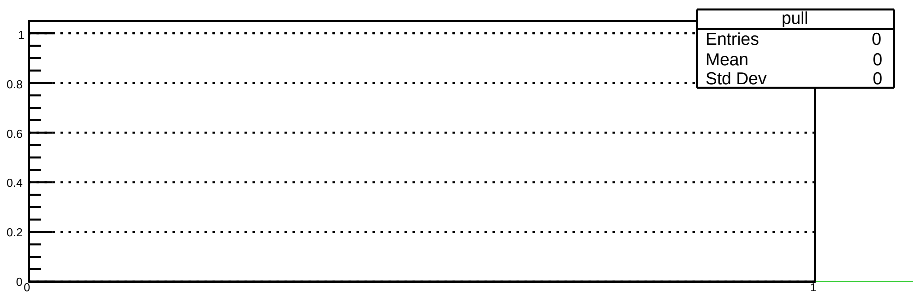
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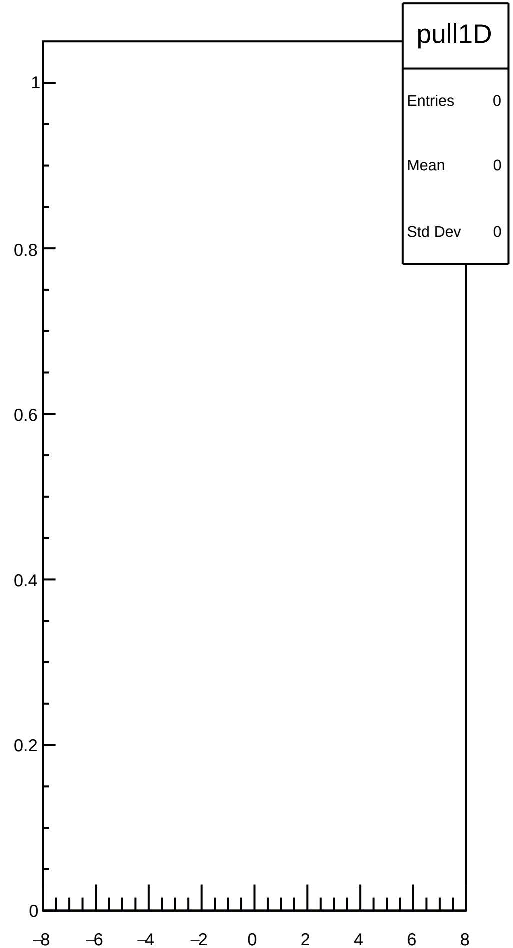
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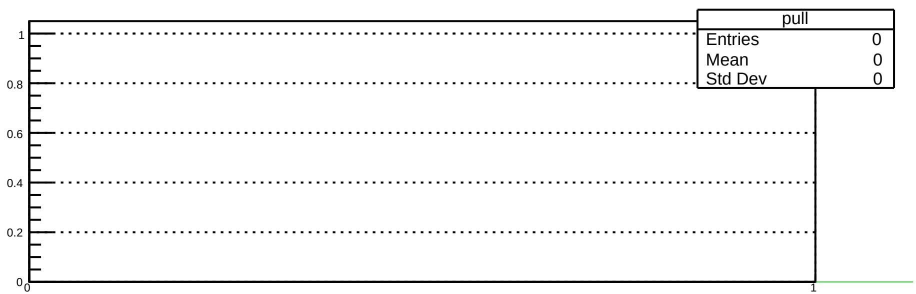
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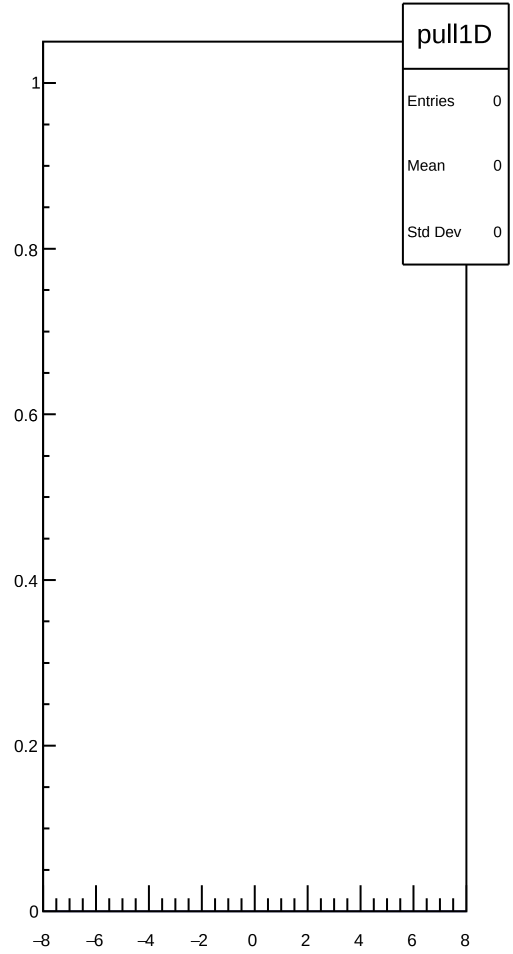
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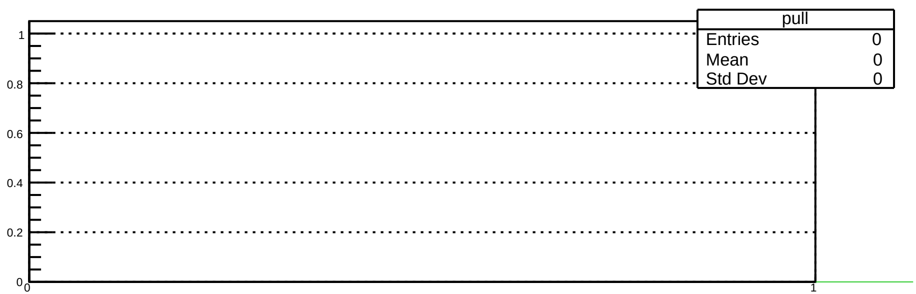
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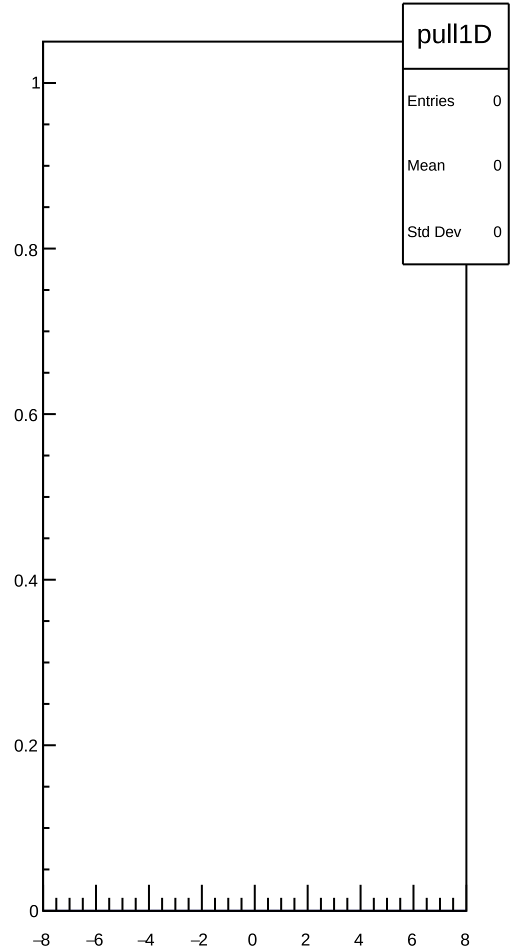
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Std Dev 0
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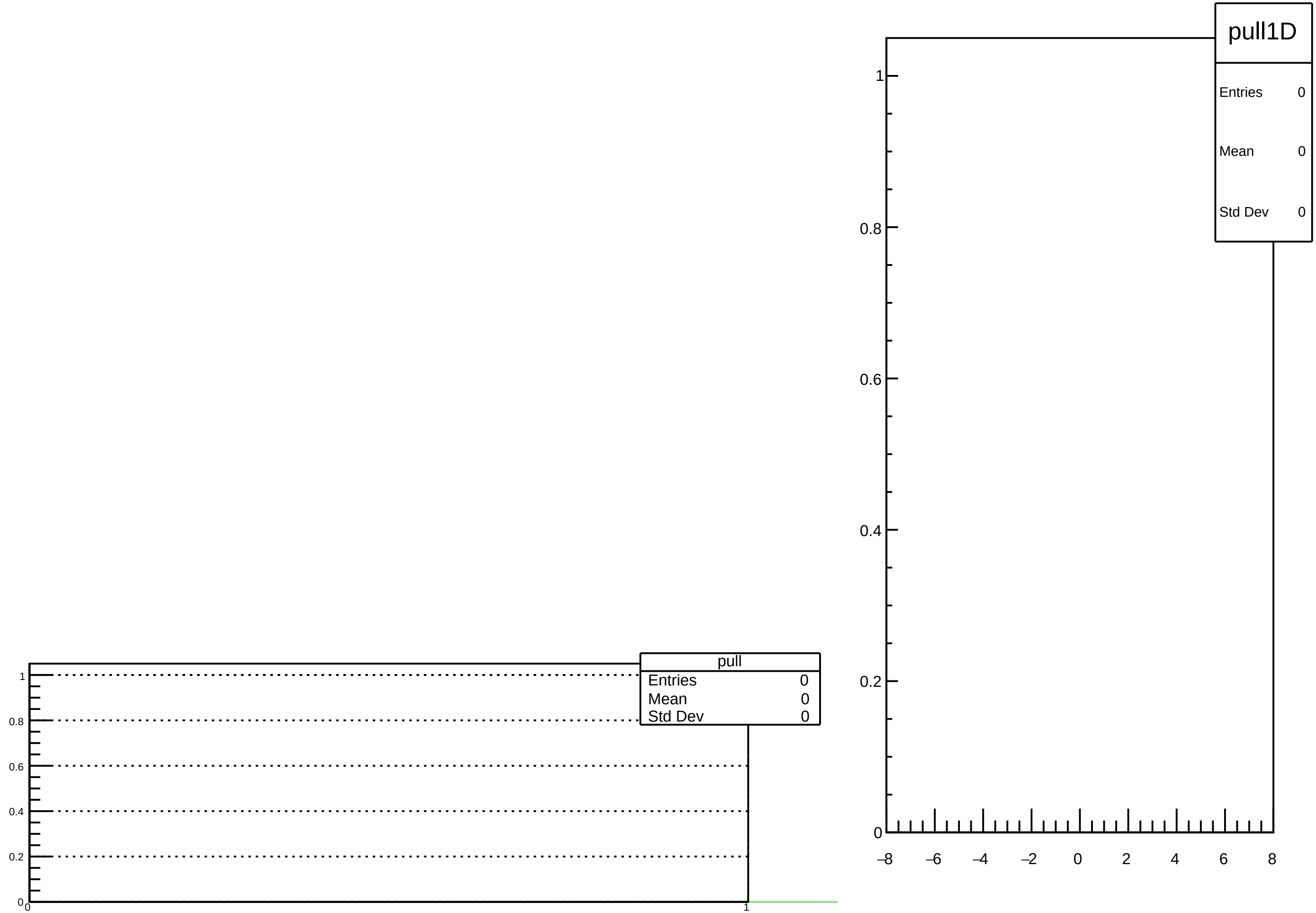
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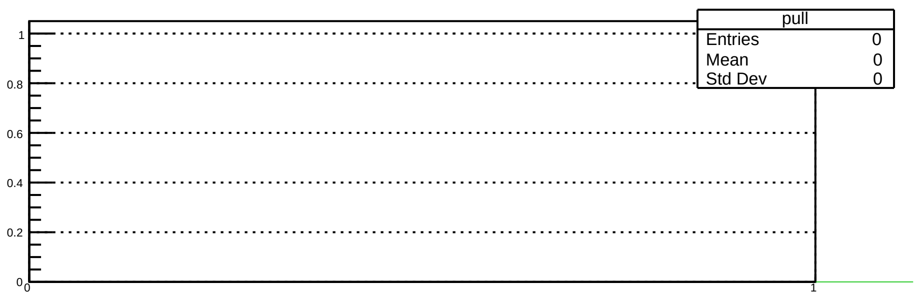
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0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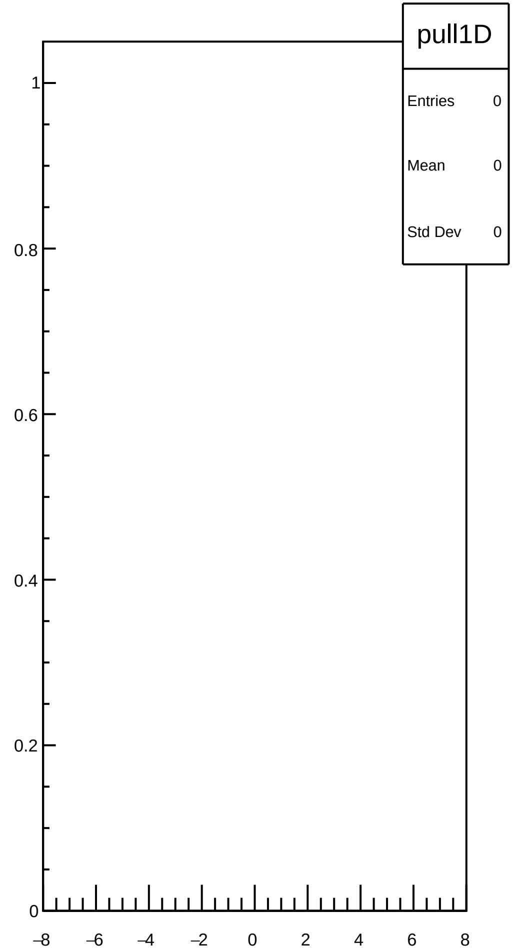
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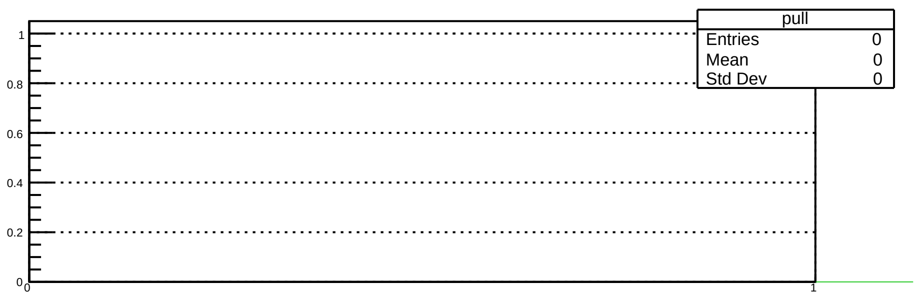
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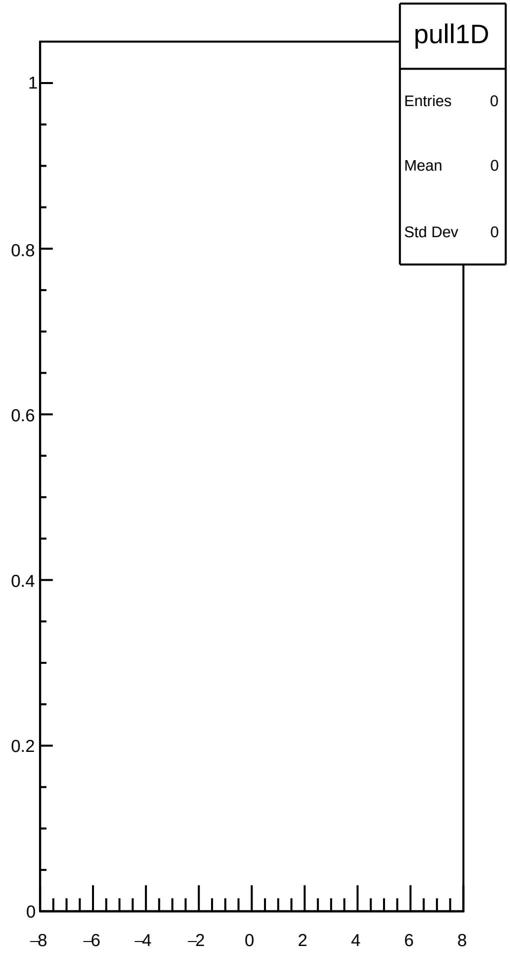
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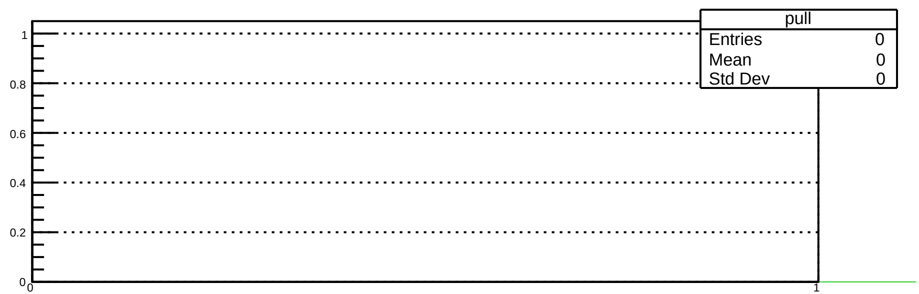
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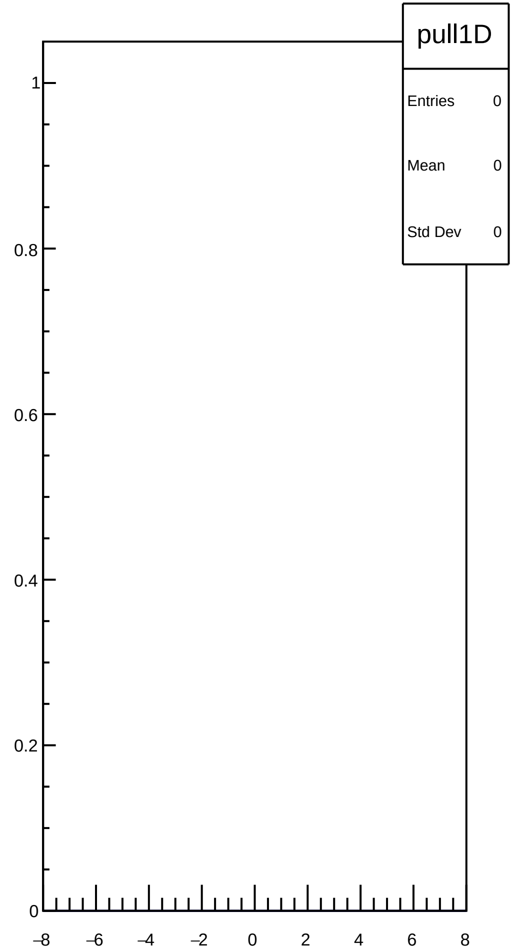
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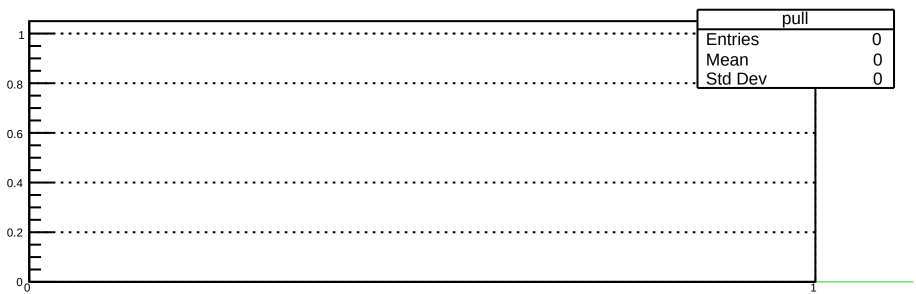
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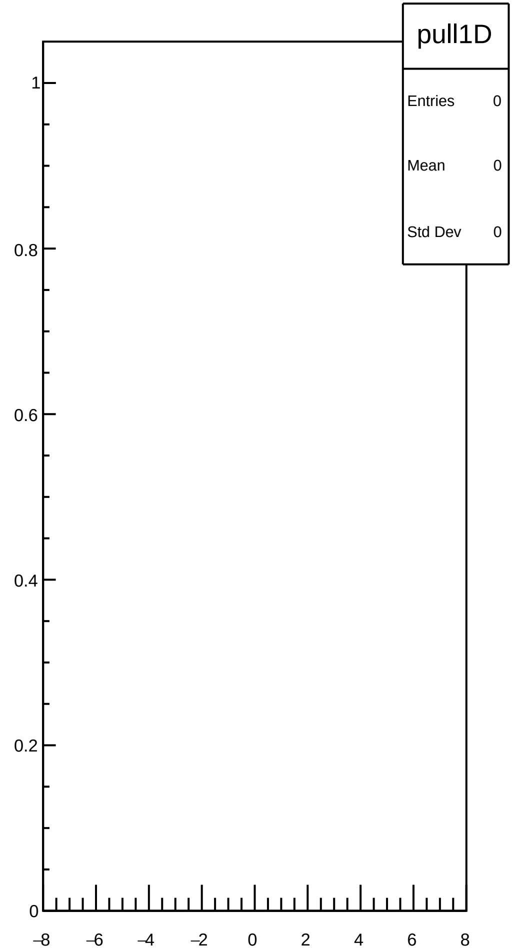
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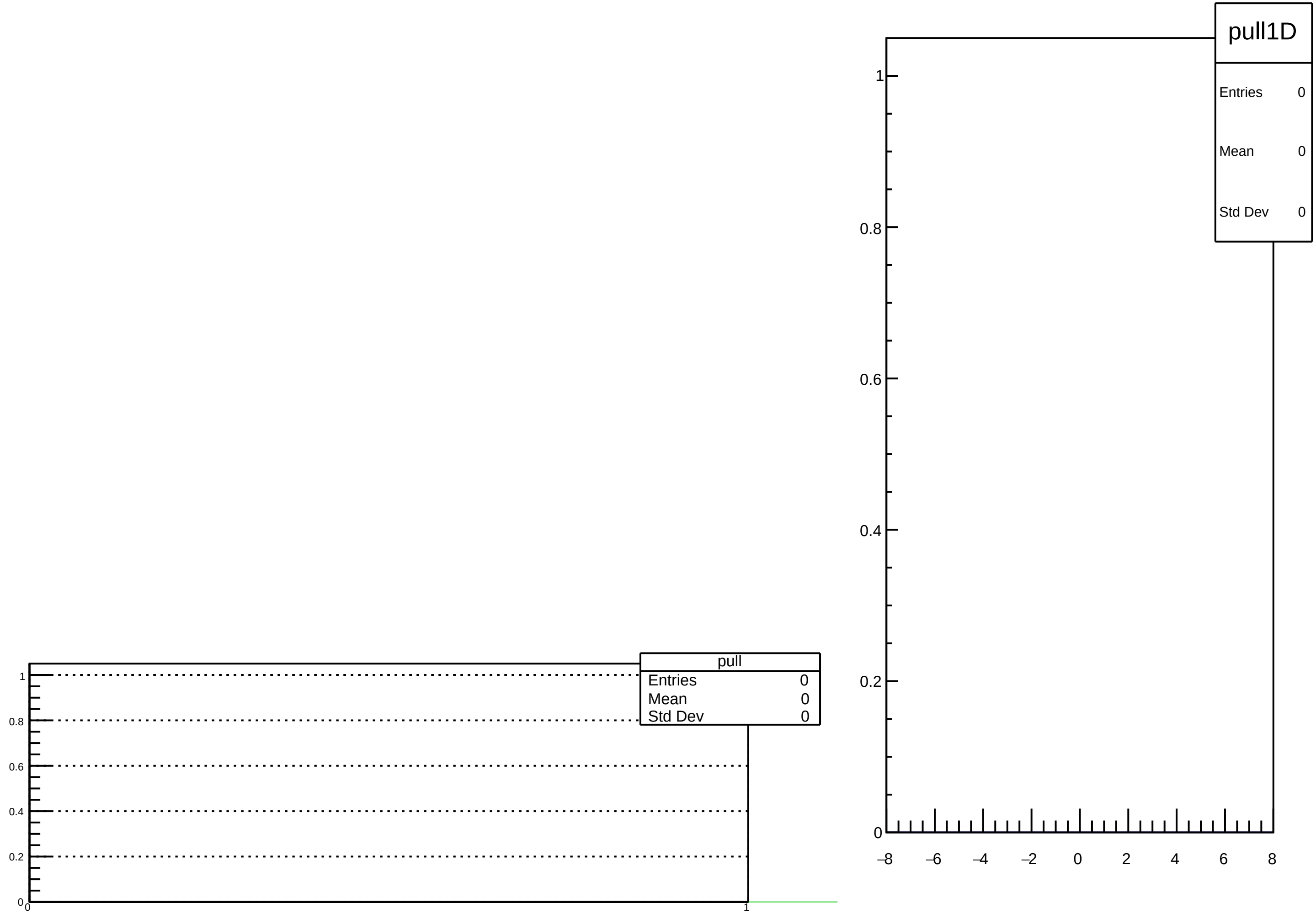

pull
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Mean 0
Std Dev 0
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0.4
0.6
0.8
1
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1
pull1D
Entries 0
Mean 0
Std Dev 0
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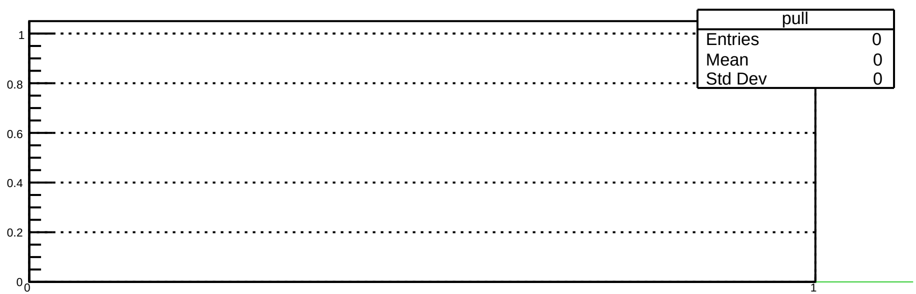
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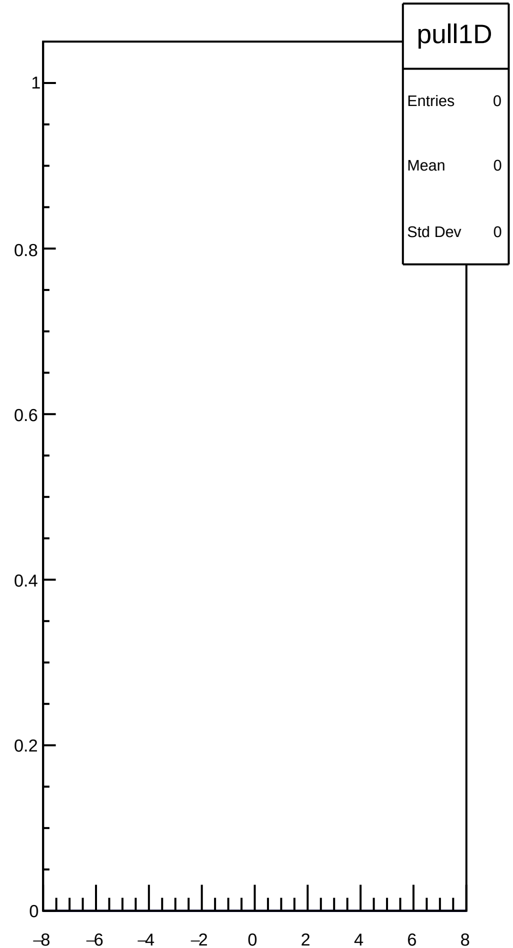
pull1D
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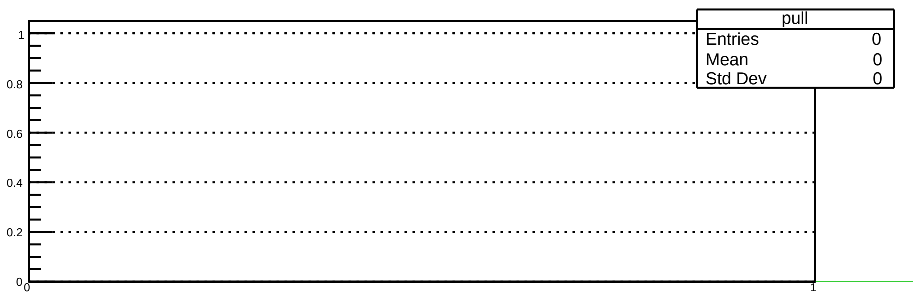
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Std Dev 0
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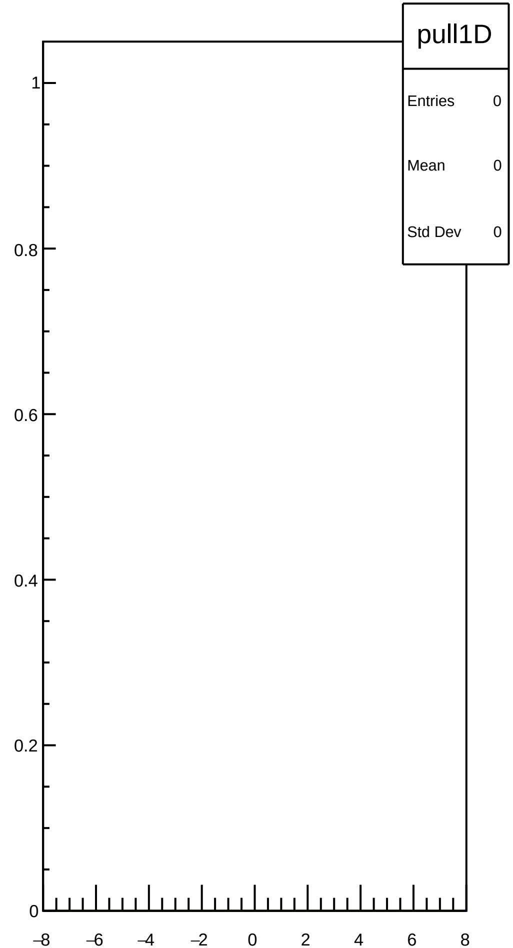
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Std Dev 0
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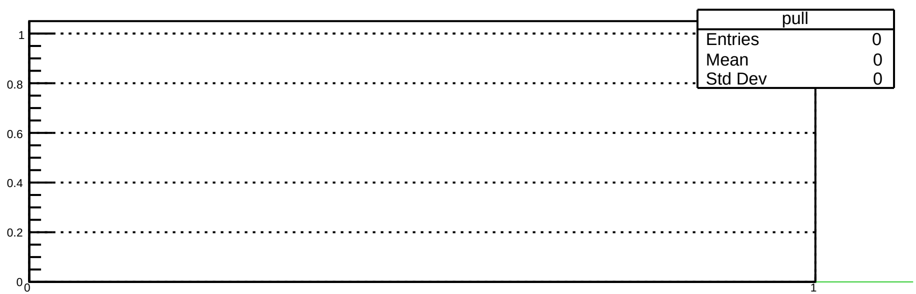
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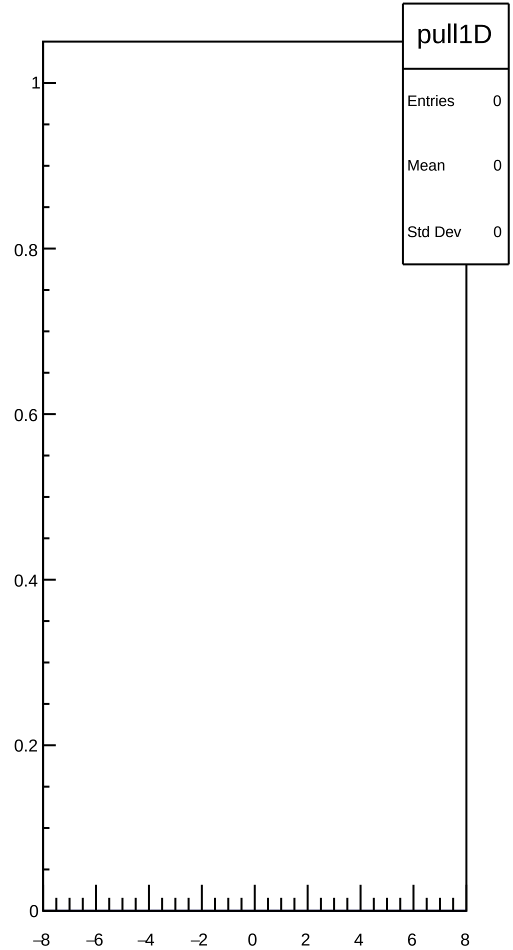
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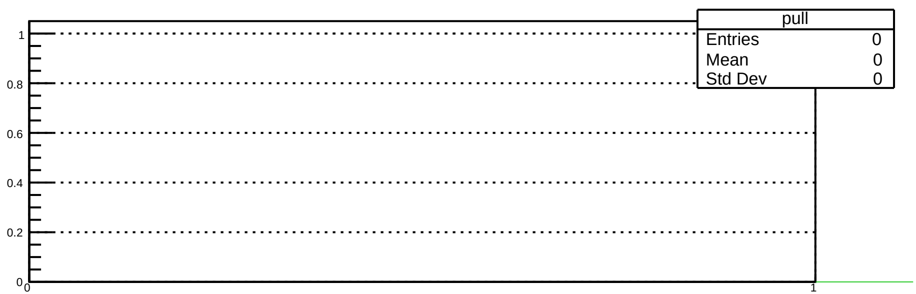
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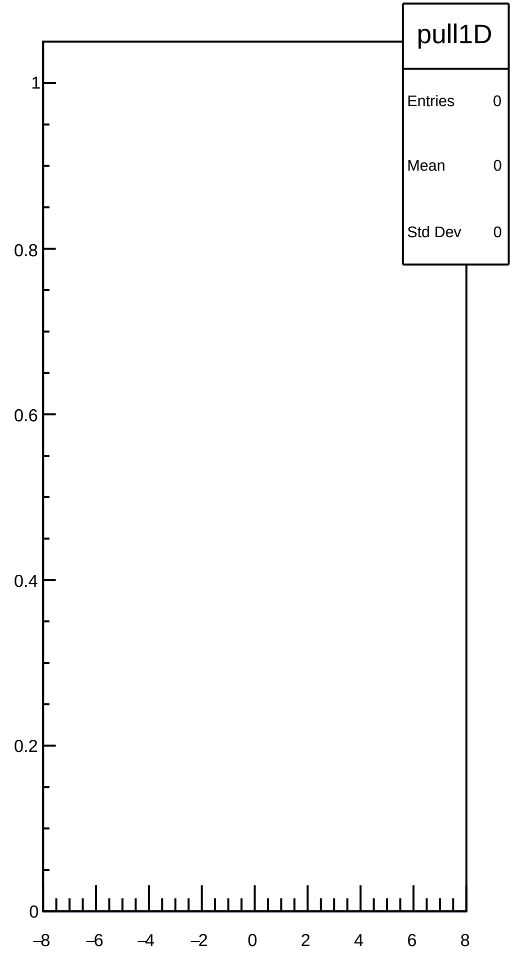
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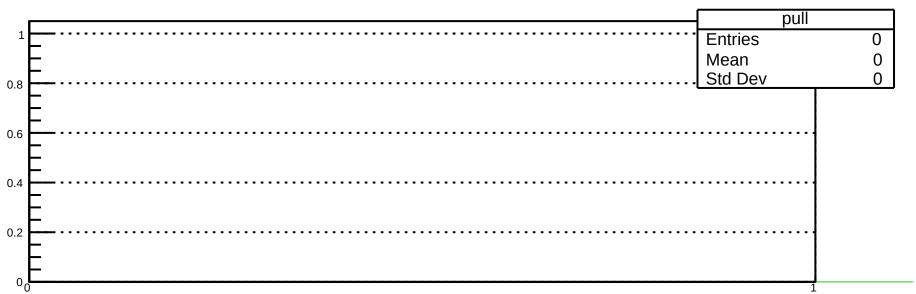
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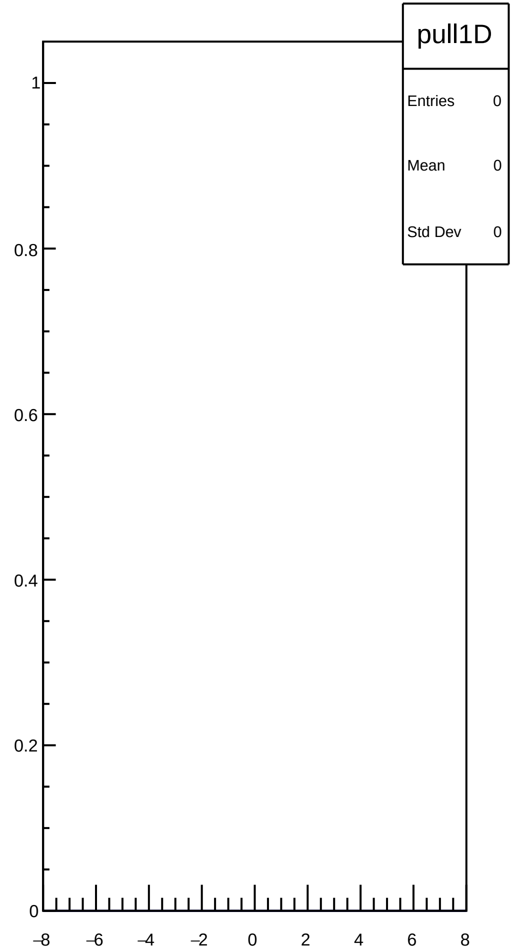
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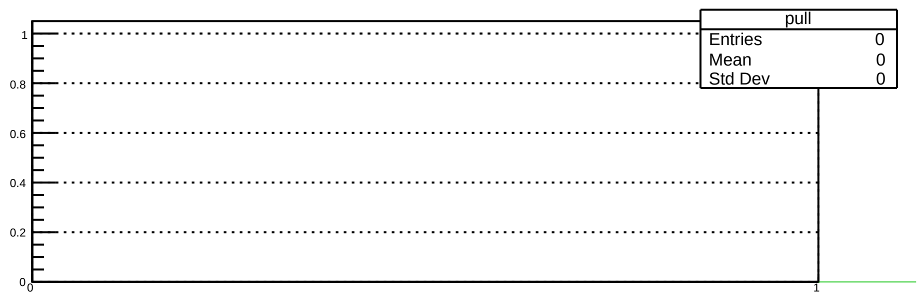
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Std Dev 0
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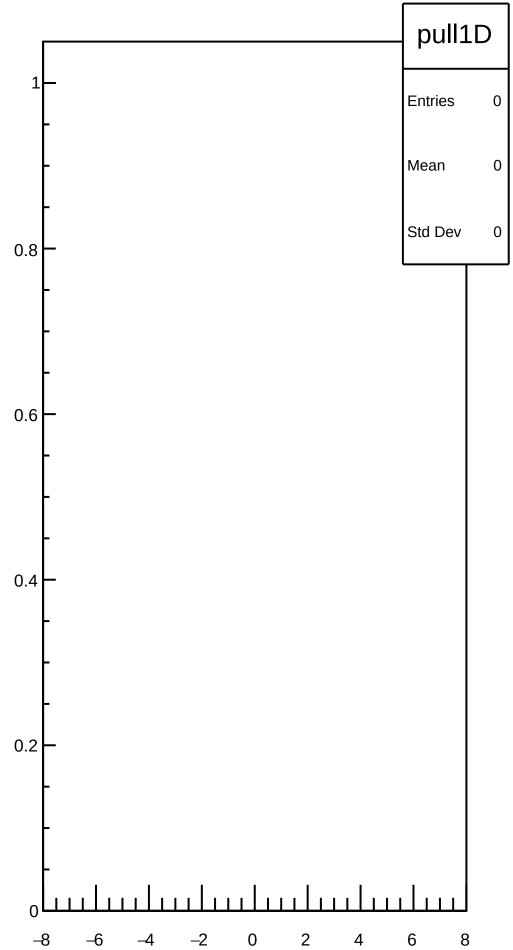
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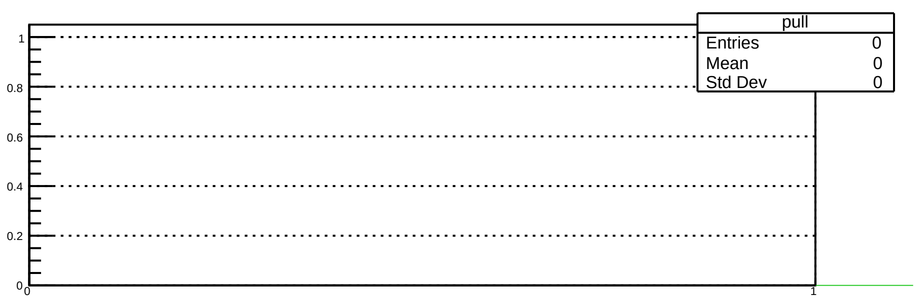
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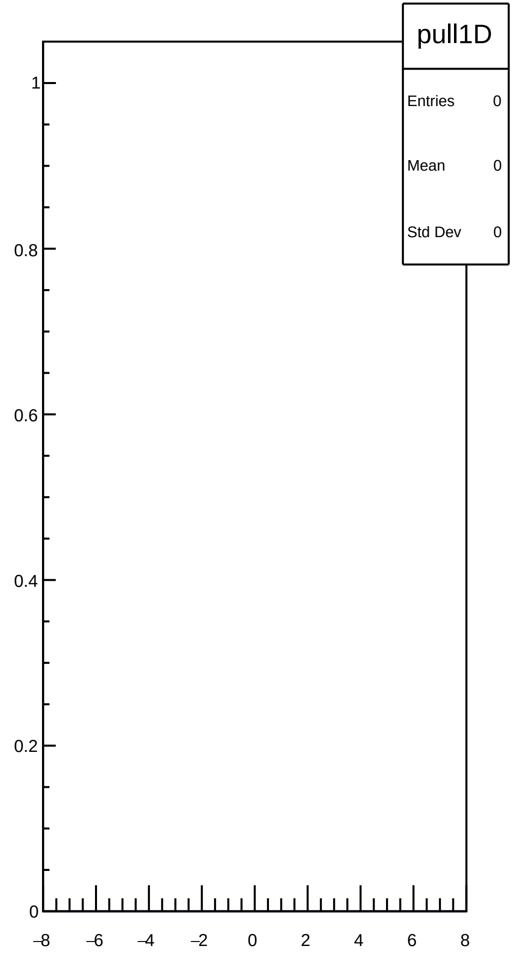
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Std Dev 0
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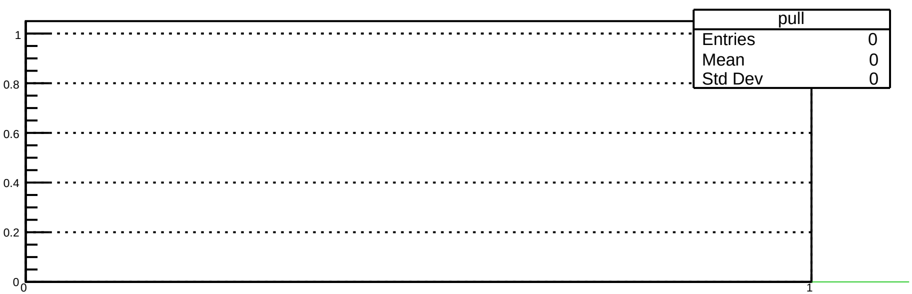
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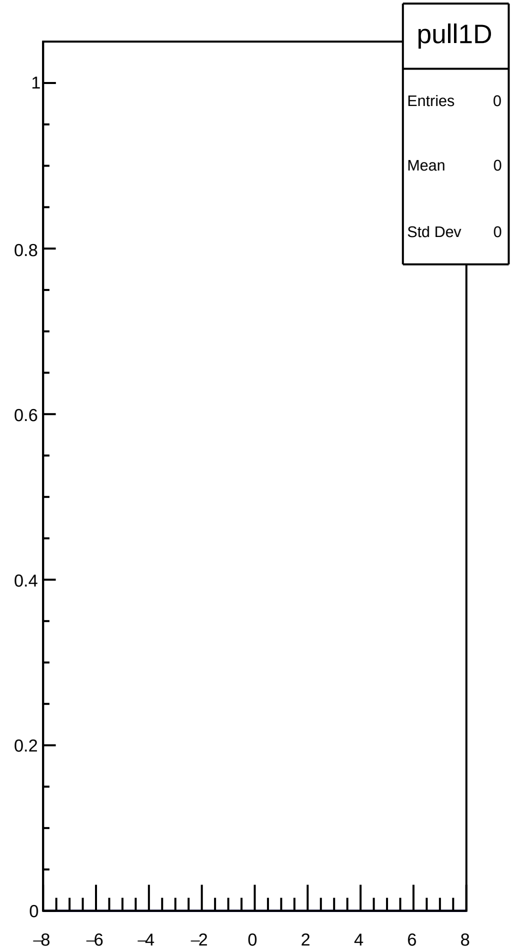
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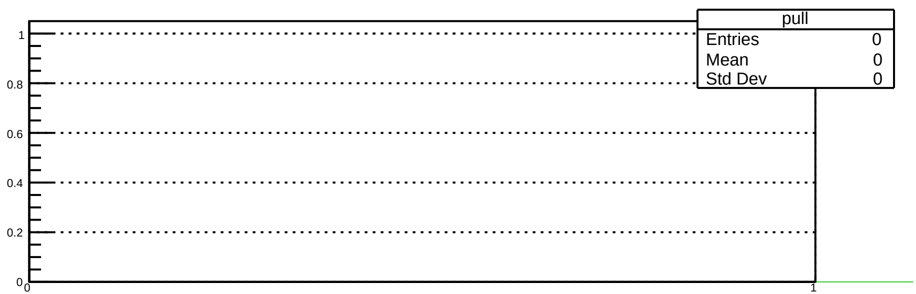
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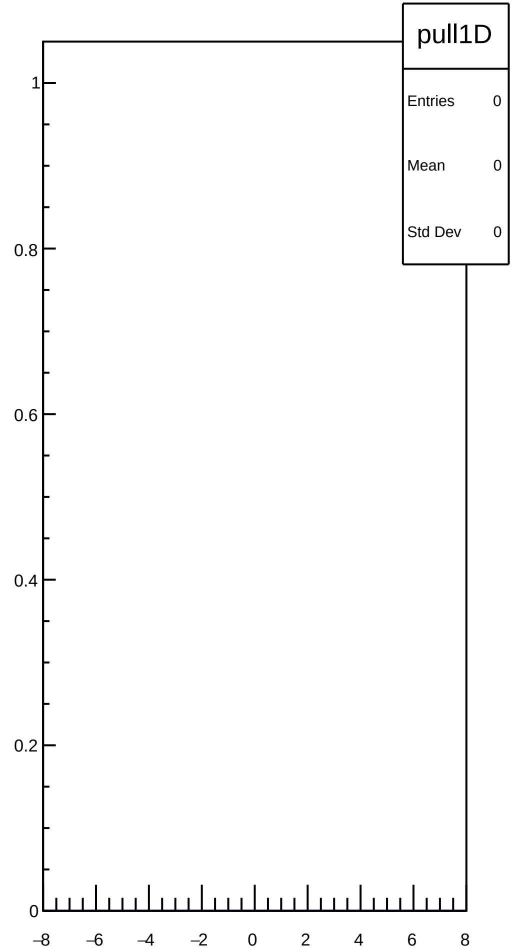
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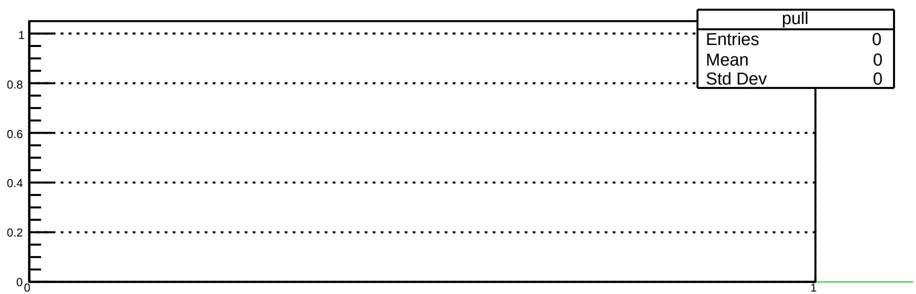
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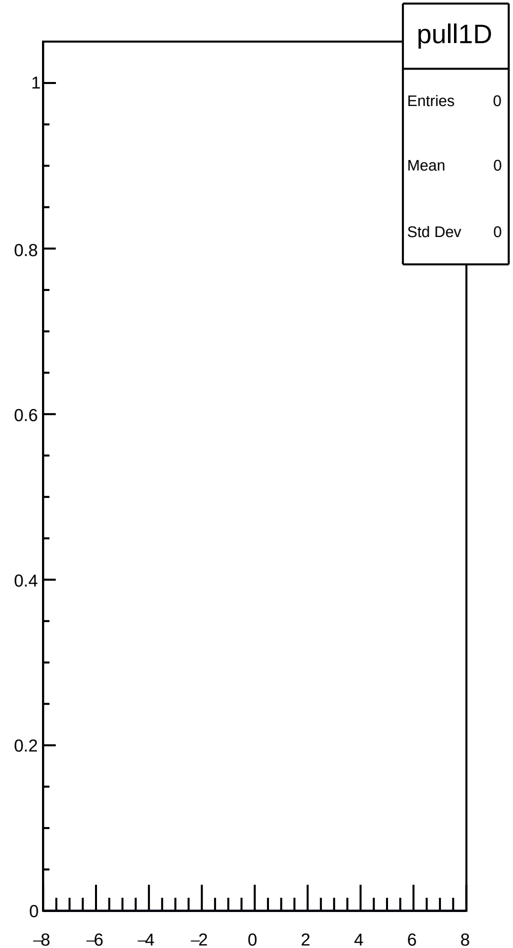
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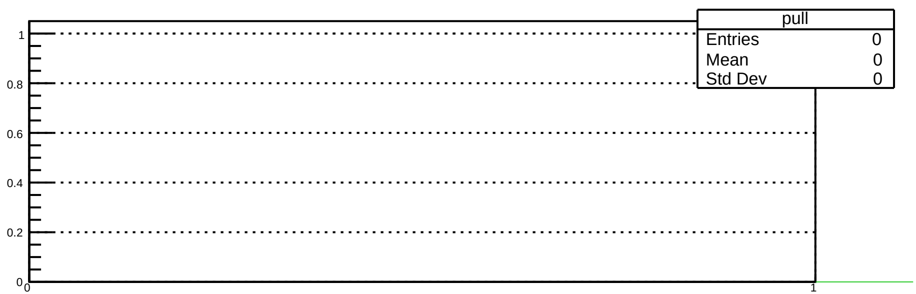
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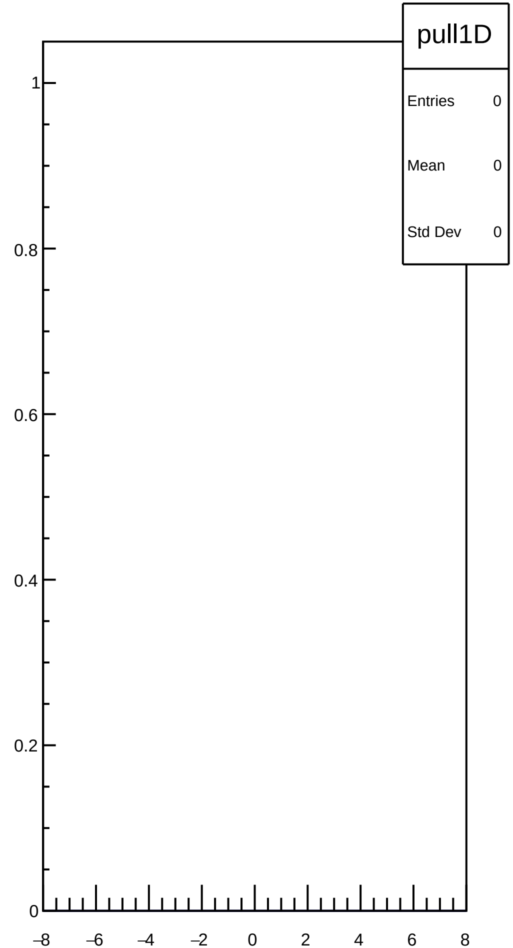
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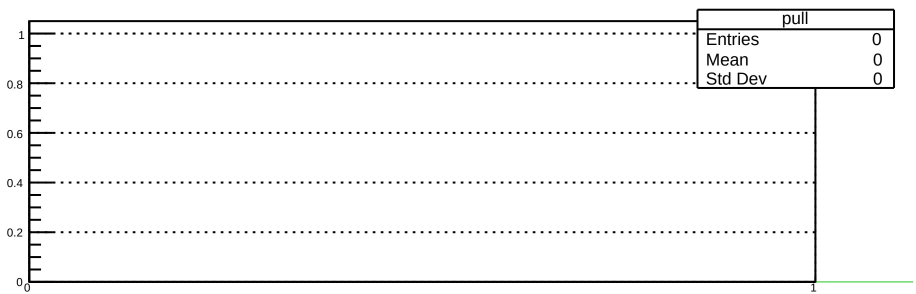
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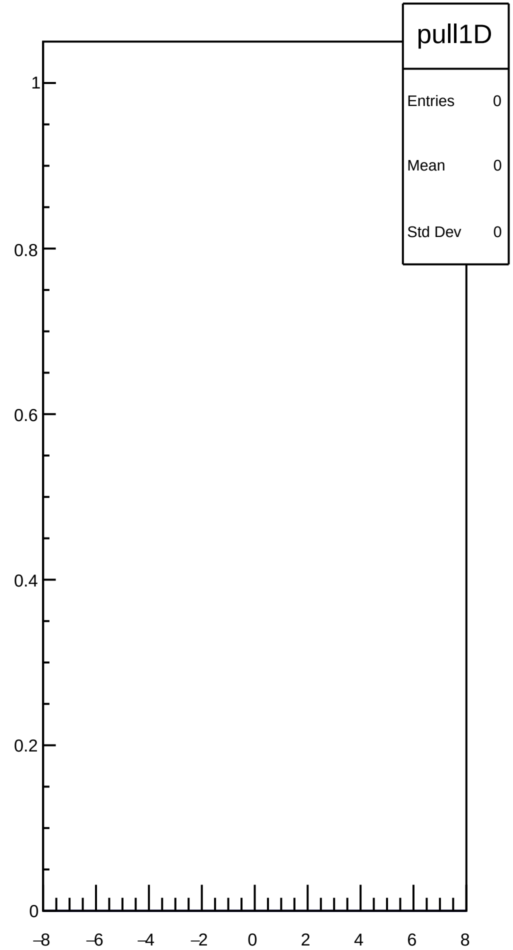
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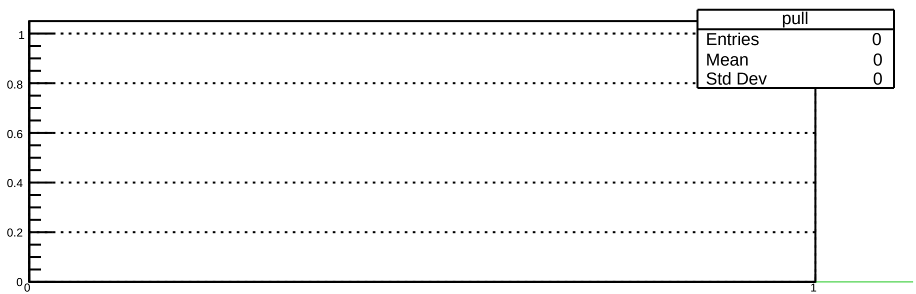
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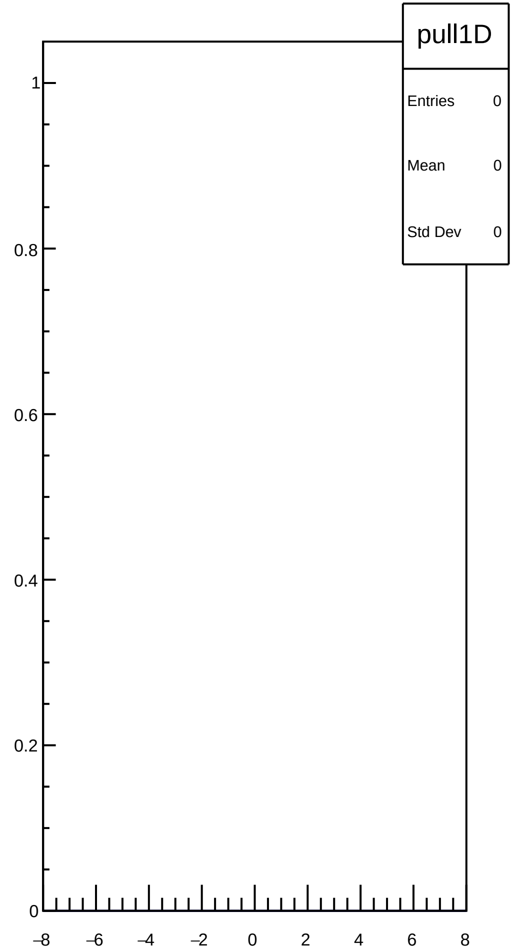
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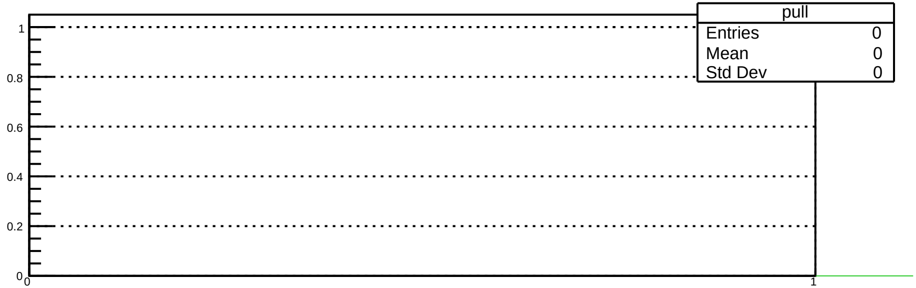
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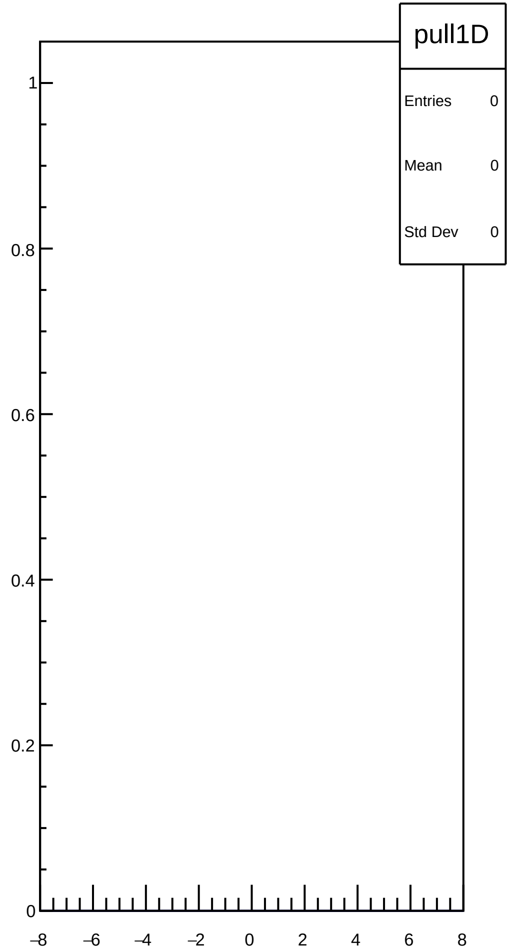
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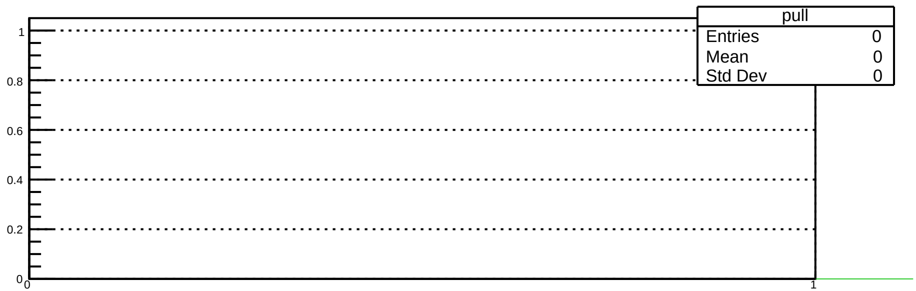
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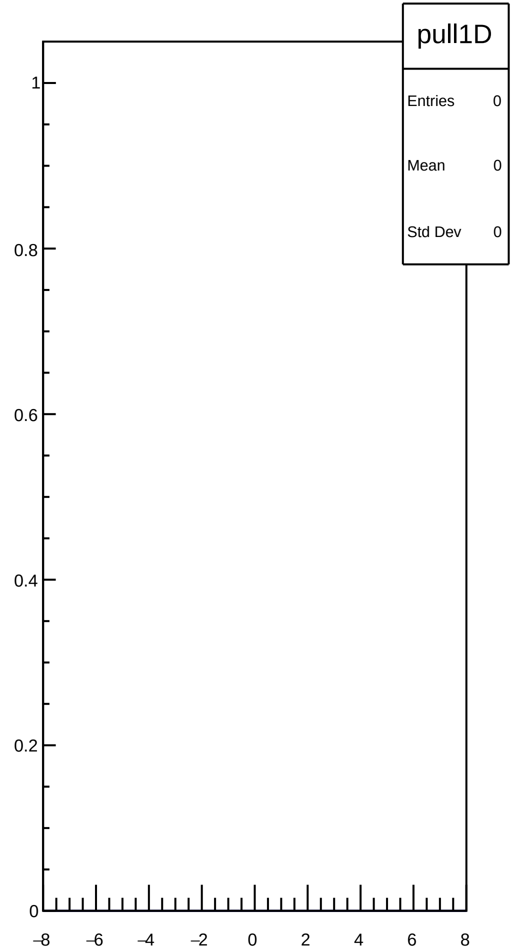
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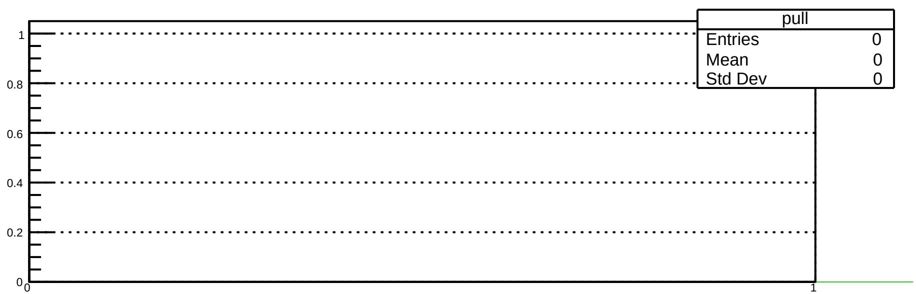
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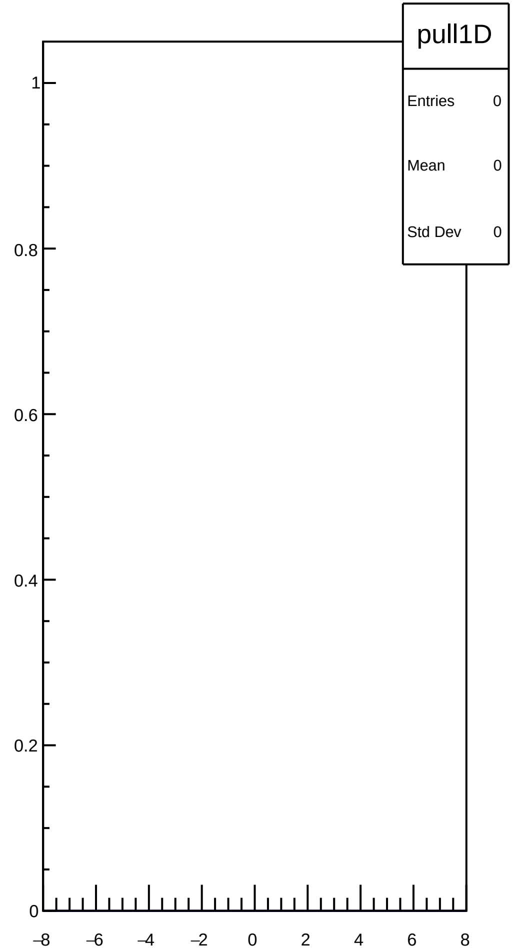
pull1D
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Std Dev 0
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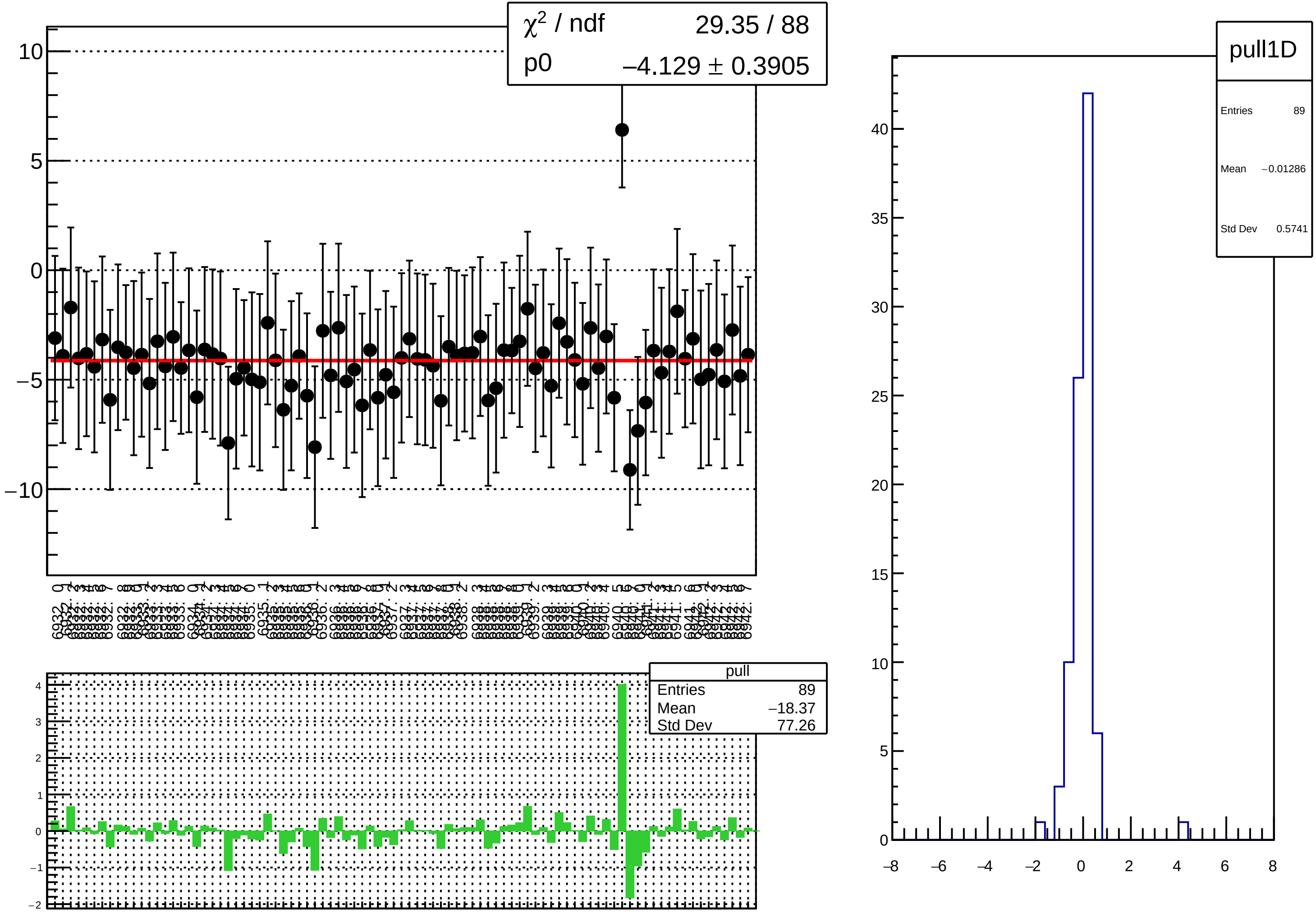
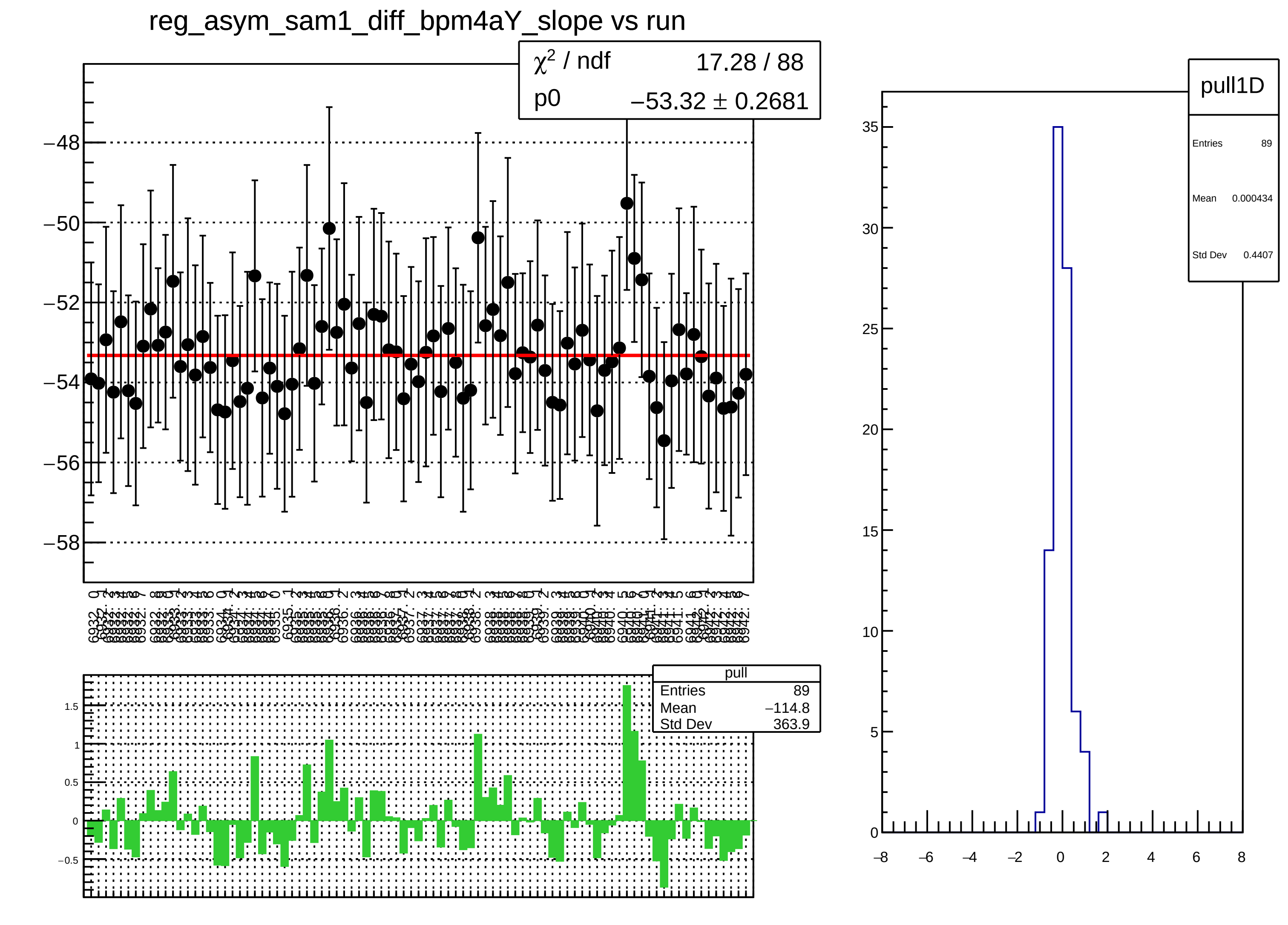
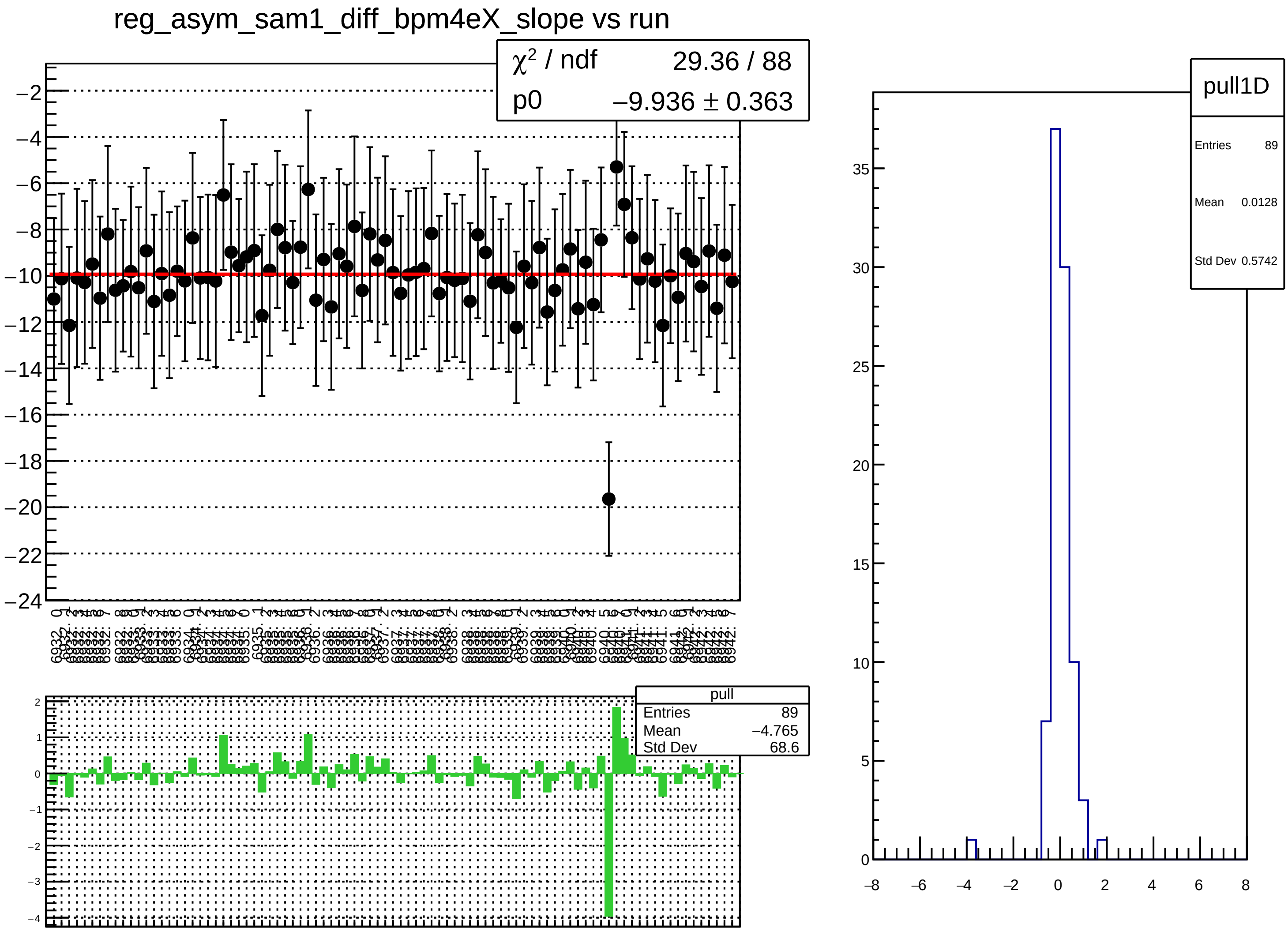
8

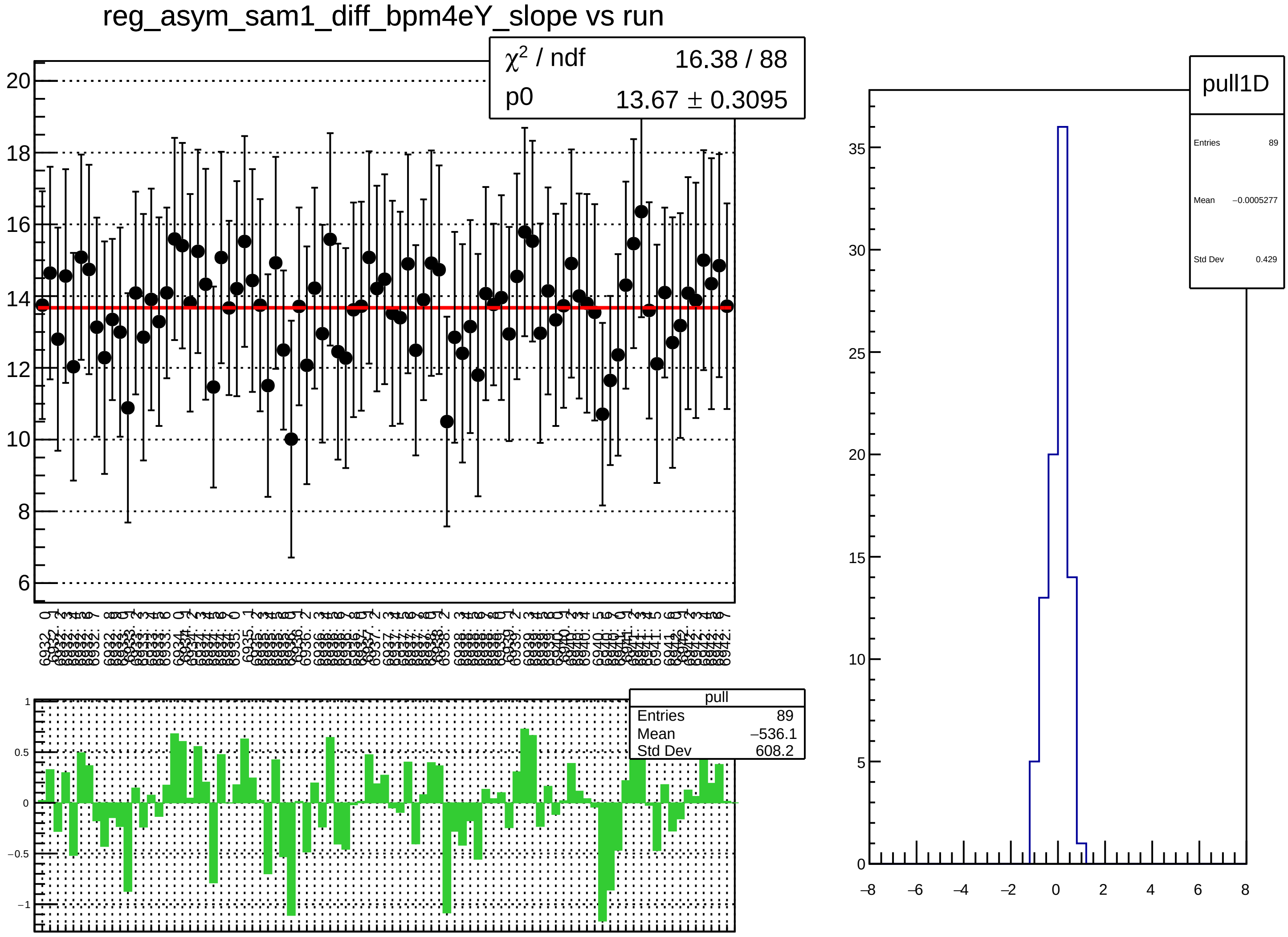
reg_asym_sam1_diff_bpm1X_slope vs run

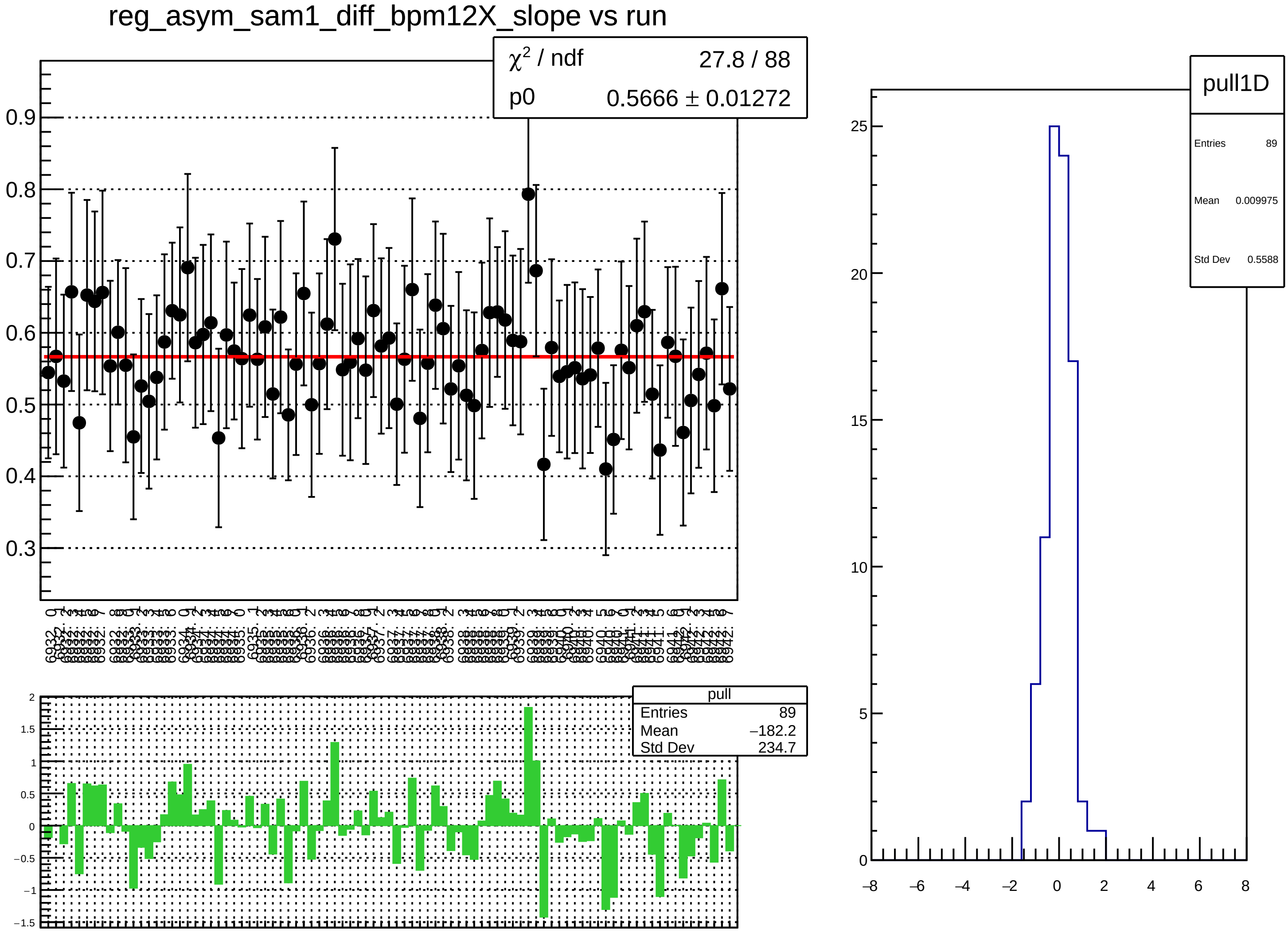




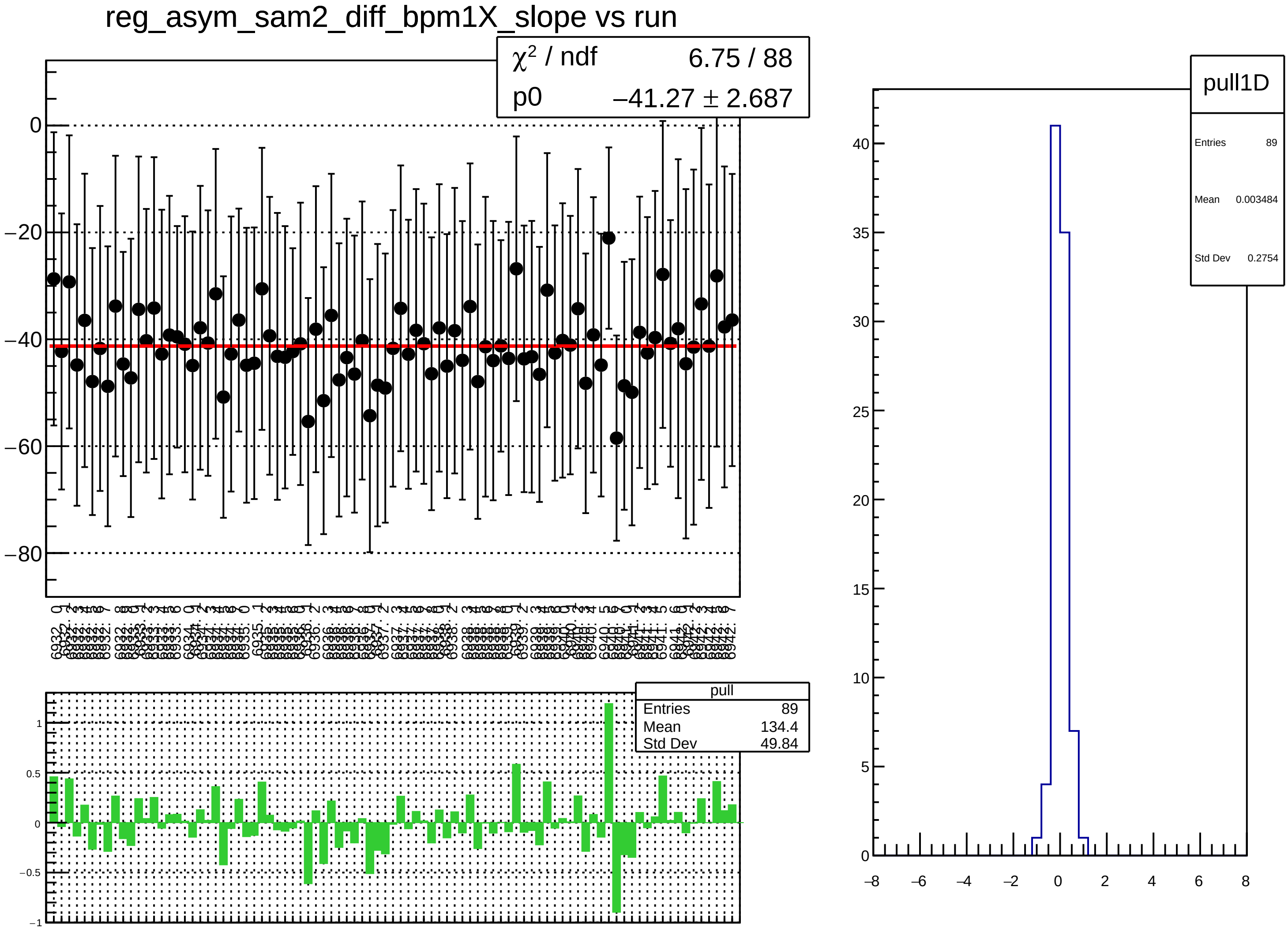
reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 17.28 / 88
p0 −53.32 ± 0.2681
−48
−50
−52
−54
−56
−58
pull
Entries 89
Mean −114.8
Std Dev 363.9
1.5
1
0.5
0
−0.5
pull1D
Entries 89
Mean 0.000434
Std Dev 0.4407
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

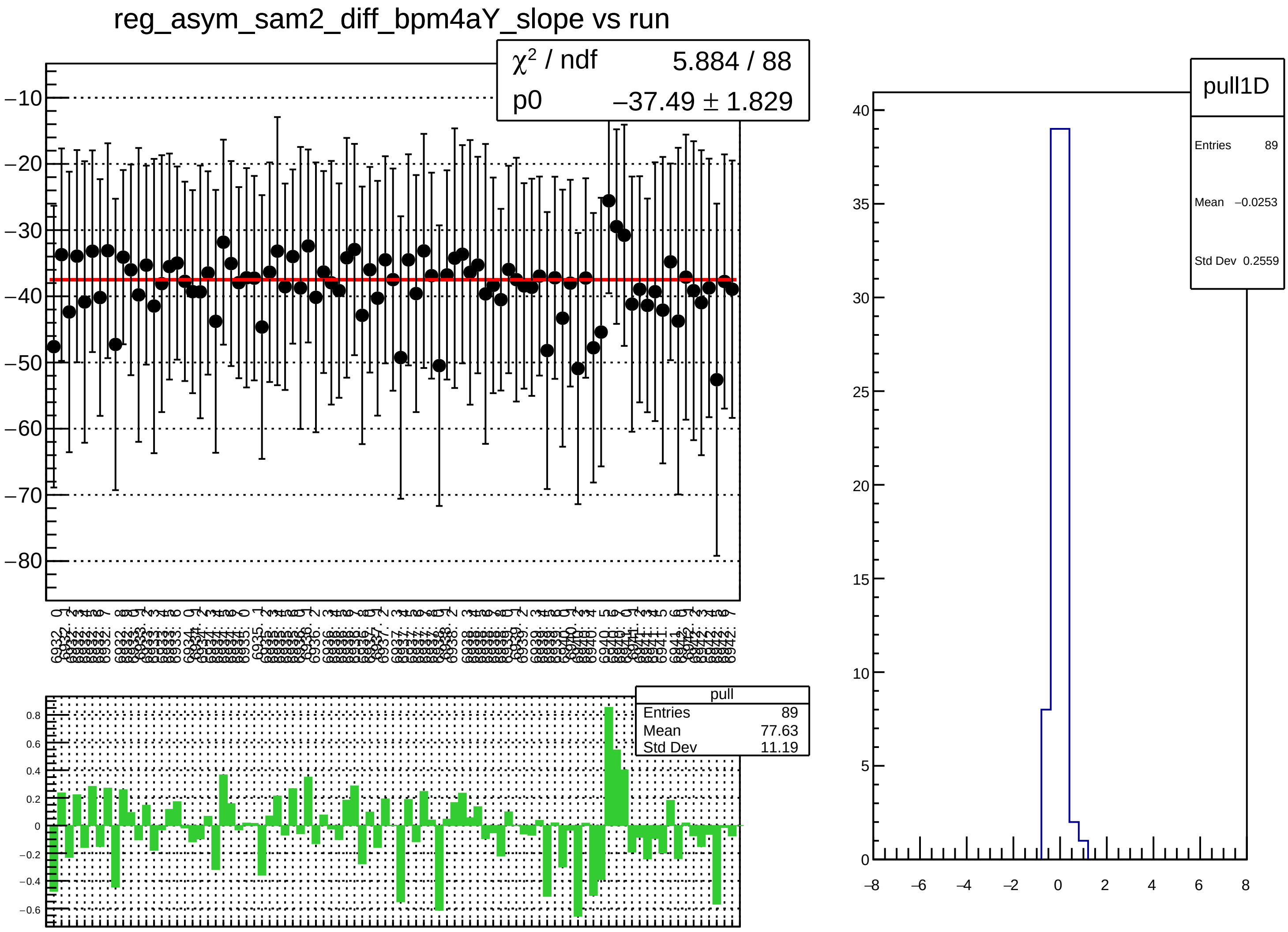

reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 29.36 / 88
p0 −9.936 ± 0.363
pull
Entries 89
Mean −4.765
Std Dev 68.6
pull1D
Entries 89
Mean 0.0128
Std Dev 0.5742


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

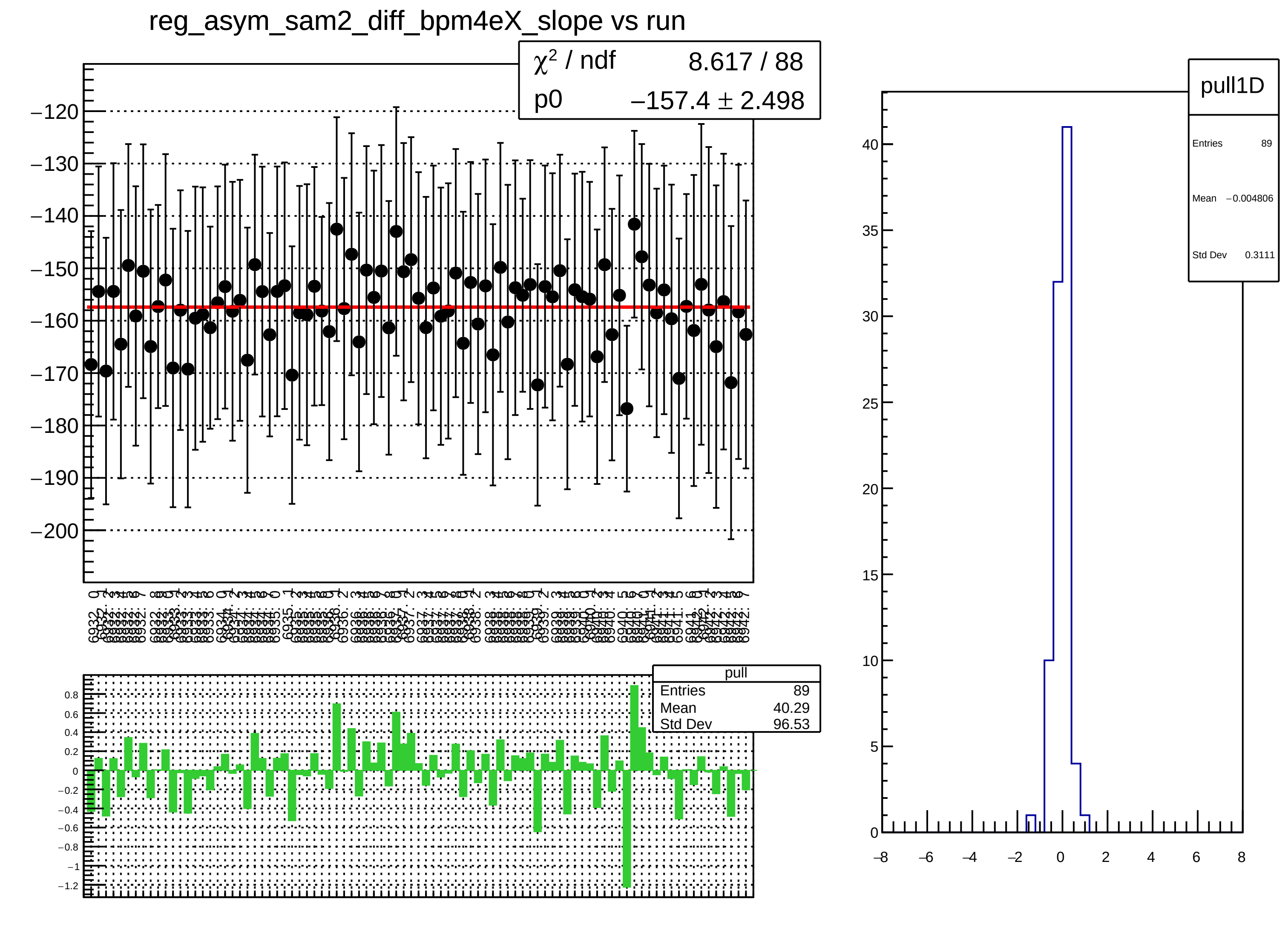


reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 27.8 / 88
p0 0.5666 ± 0.01272
pull
Entries 89
Mean −182.2
Std Dev 234.7
pull1D
Entries 89
Mean 0.009975
Std Dev 0.5588

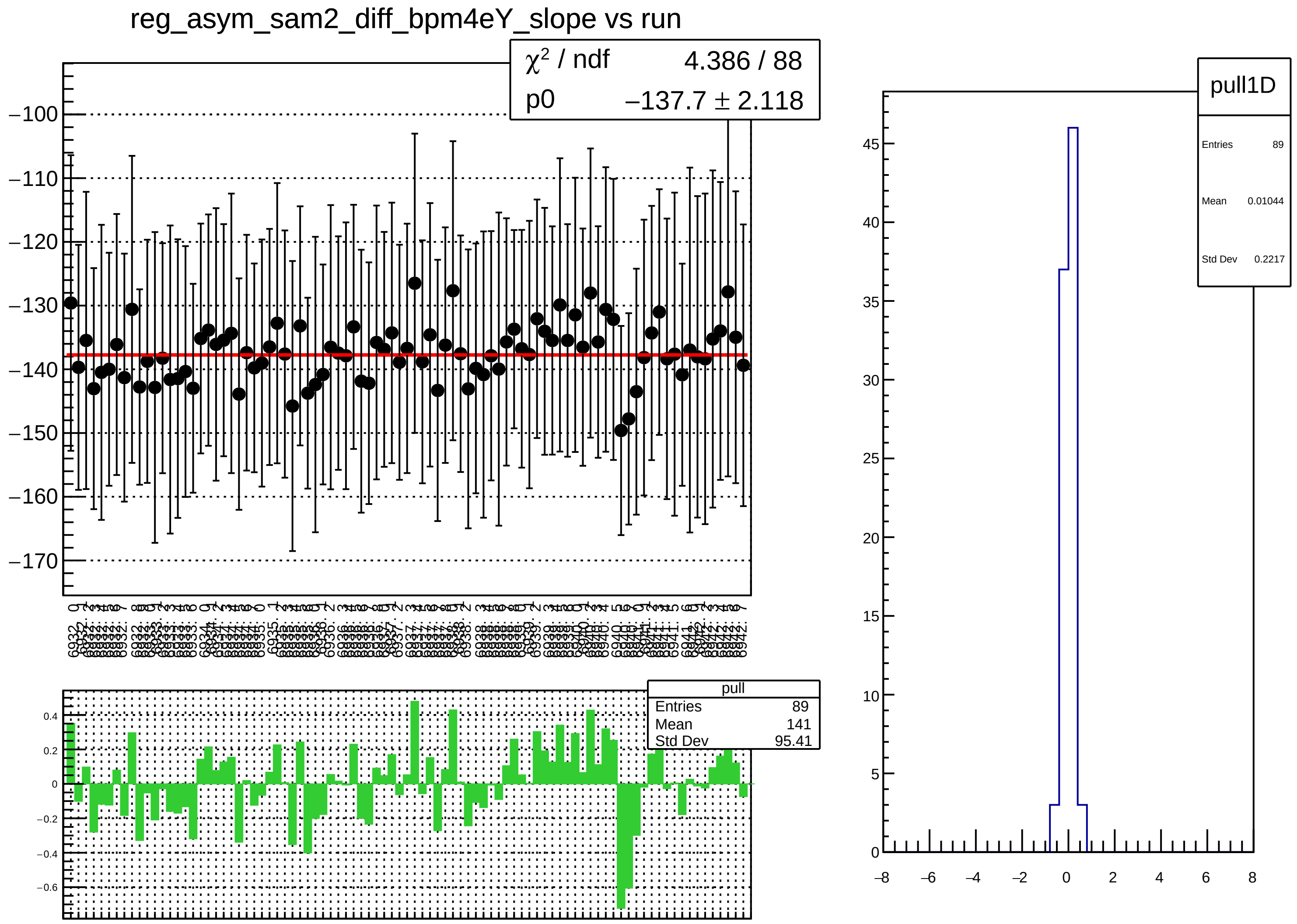

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 6.75 / 88
p0 −41.27 ± 2.687
0
−20
−40
−60
−80
pull
Entries 89
Mean 134.4
Std Dev 49.84
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean 0.003484
Std Dev 0.2754
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

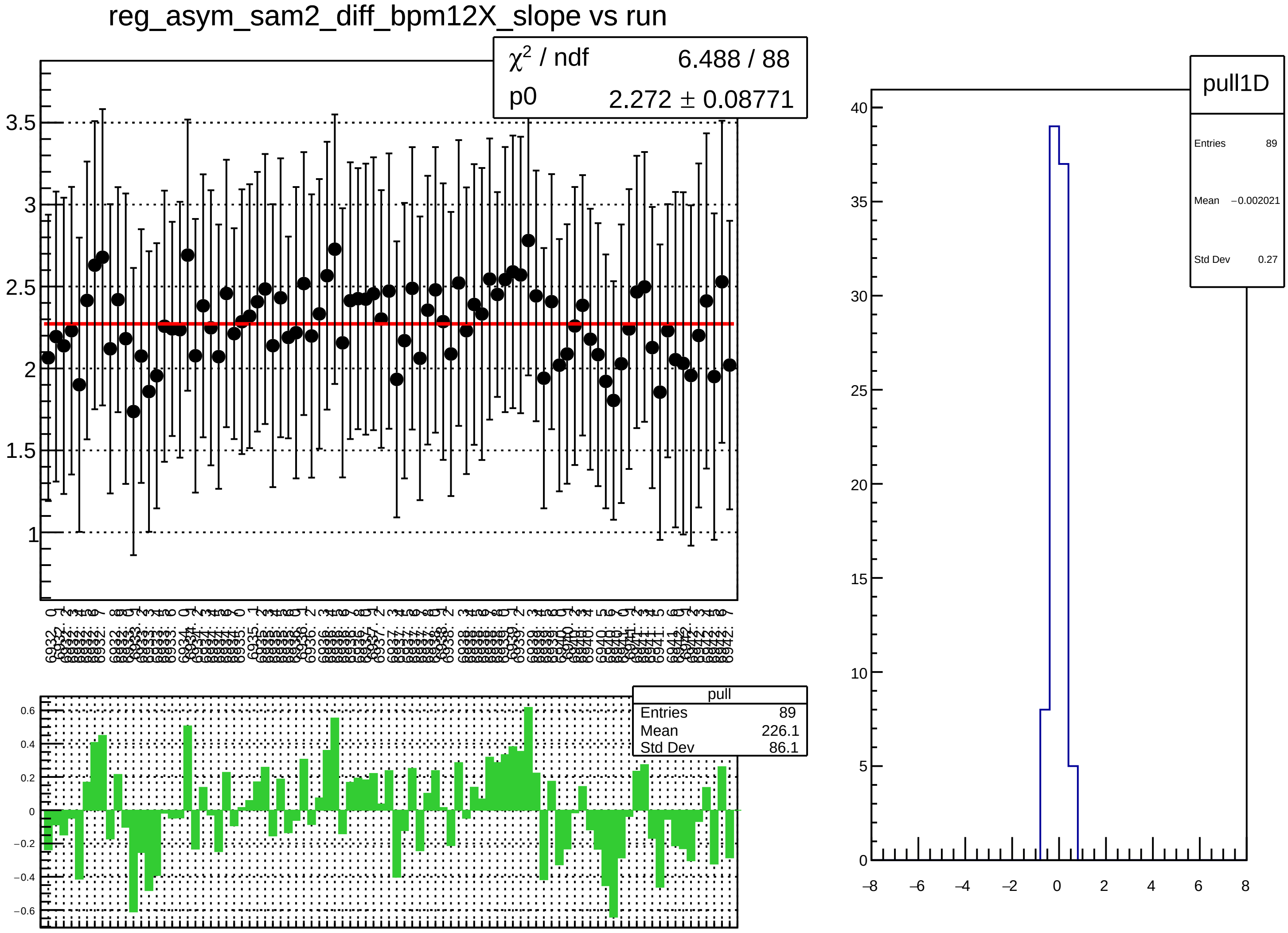


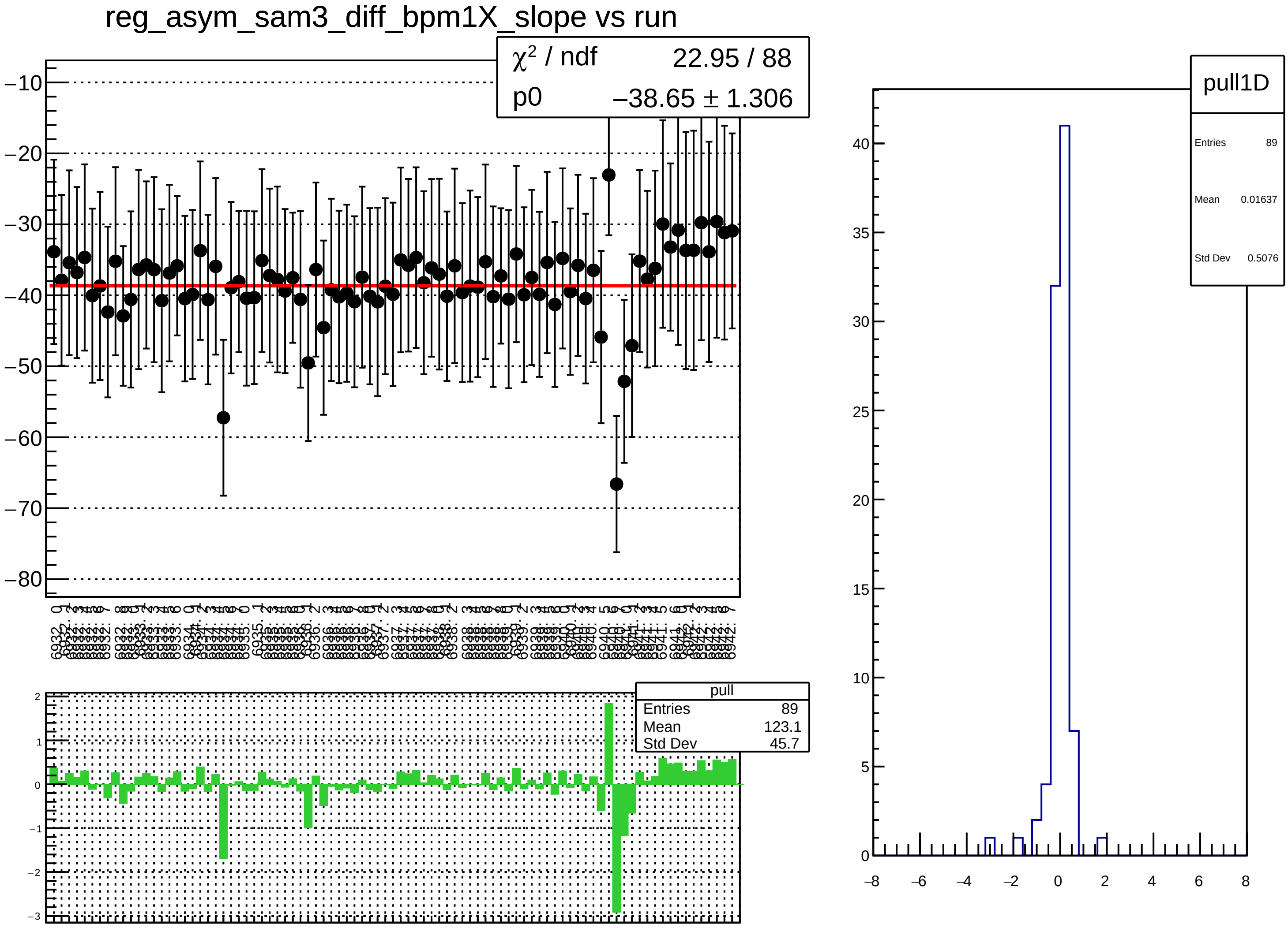
reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.884 / 88
p0 −37.49 ± 1.829
pull
Entries 89
Mean 77.63
Std Dev 11.19
pull1D
Entries 89
Mean −0.0253
Std Dev 0.2559



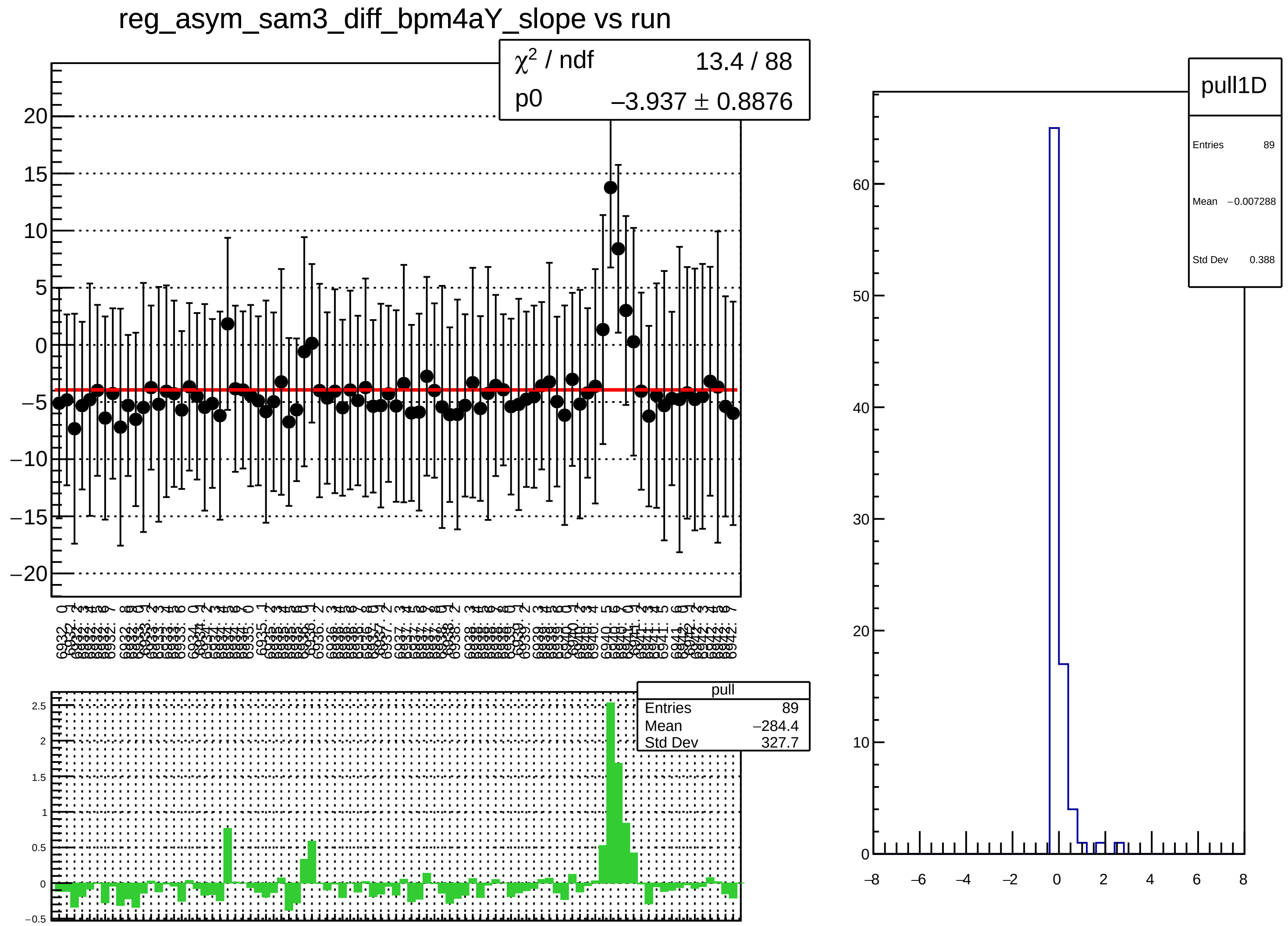
reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.617 / 88
p0 −157.4 ± 2.498
pull
Entries 89
Mean 40.29
Std Dev 96.53
pull1D
Entries 89
Mean −0.004806
Std Dev 0.3111

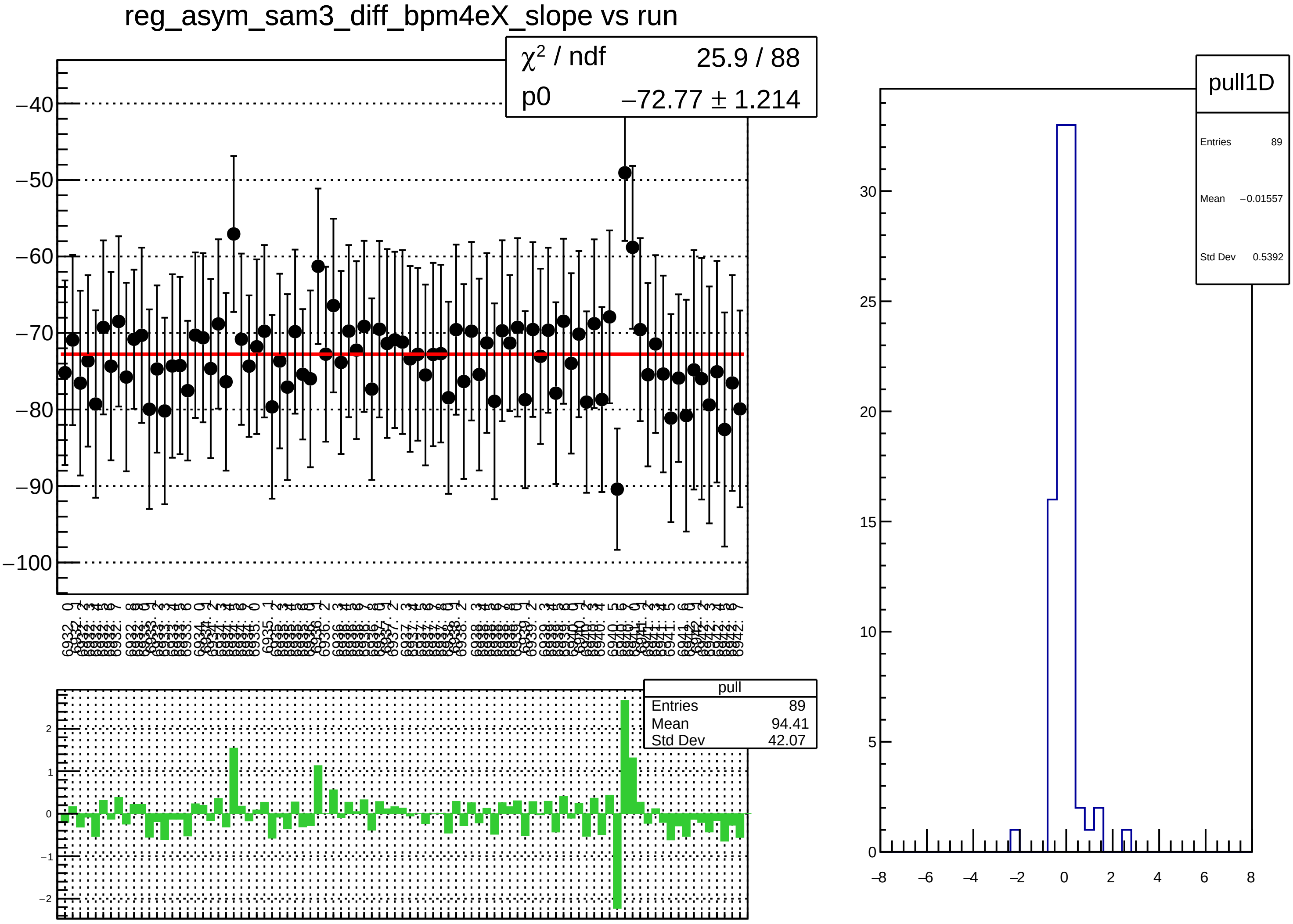

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.386 / 88
p0 −137.7 ± 2.118
pull
Entries 89
Mean 141
Std Dev 95.41
pull1D
Entries 89
Mean 0.01044
Std Dev 0.2217


reg_asym_sam2_diff_bpm12X_slope vs run
χ2 / ndf 6.488 / 88
p0 2.272 ± 0.08771
pull
Entries 89
Mean 226.1
Std Dev 86.1
pull1D
Entries 89
Mean −0.002021
Std Dev 0.27

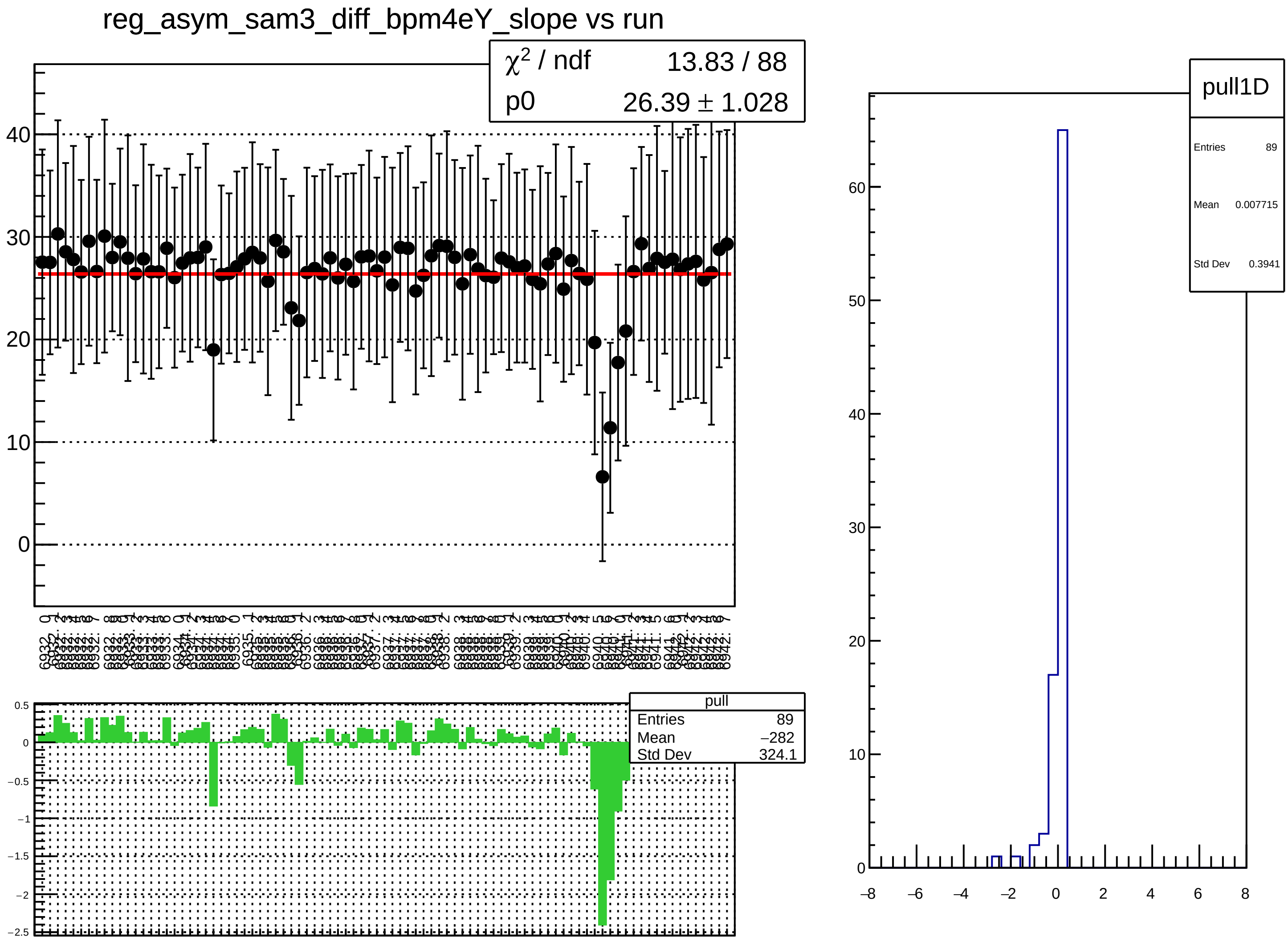


reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 22.95 / 88
p0 −38.65 ± 1.306
pull
Entries 89
Mean 123.1
Std Dev 45.7
pull1D
Entries 89
Mean 0.01637
Std Dev 0.5076

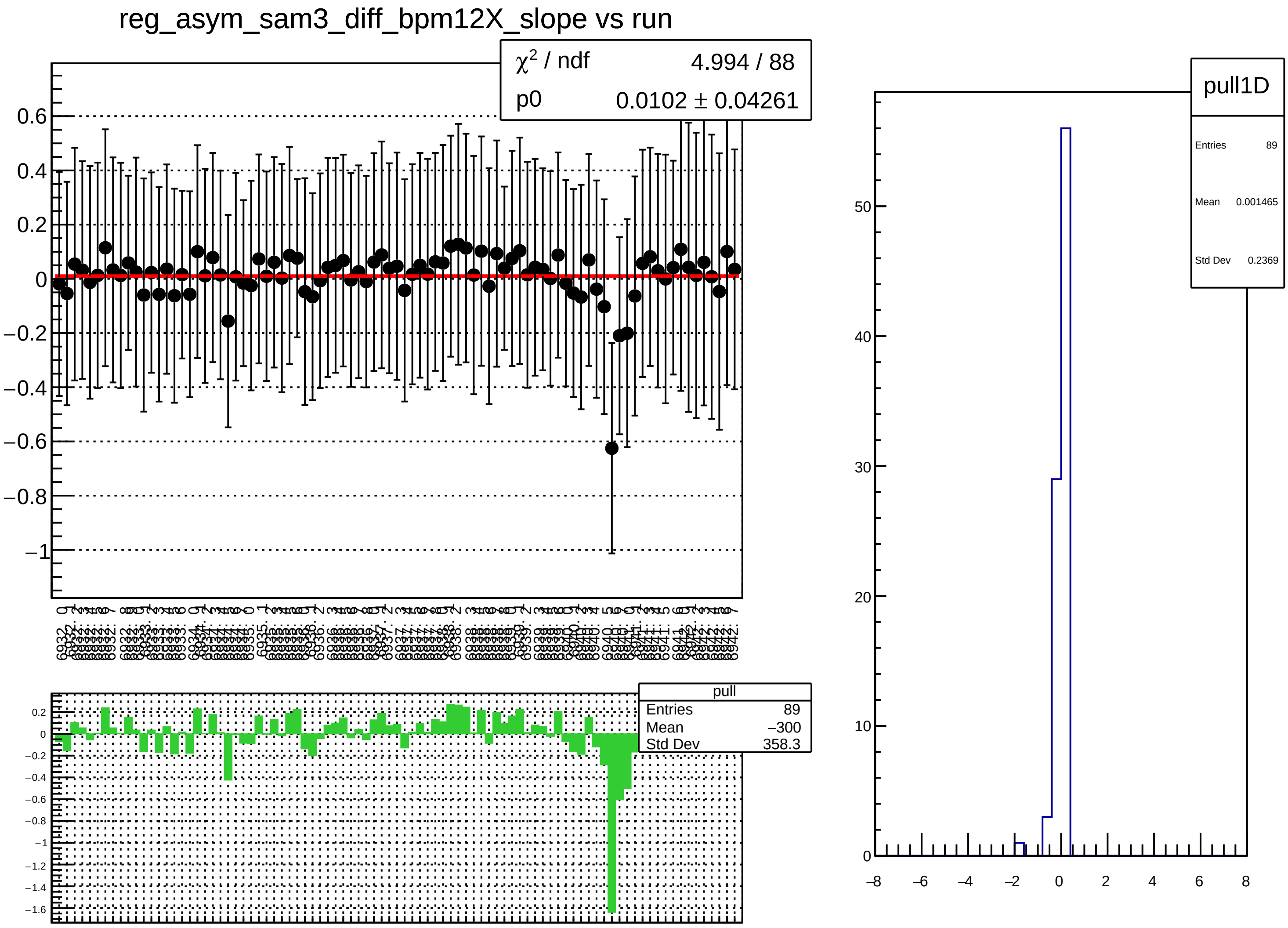

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 13.4 / 88
p0 −3.937 ± 0.8876
pull
Entries 89
Mean −284.4
Std Dev 327.7
pull1D
Entries 89
Mean −0.007288
Std Dev 0.388



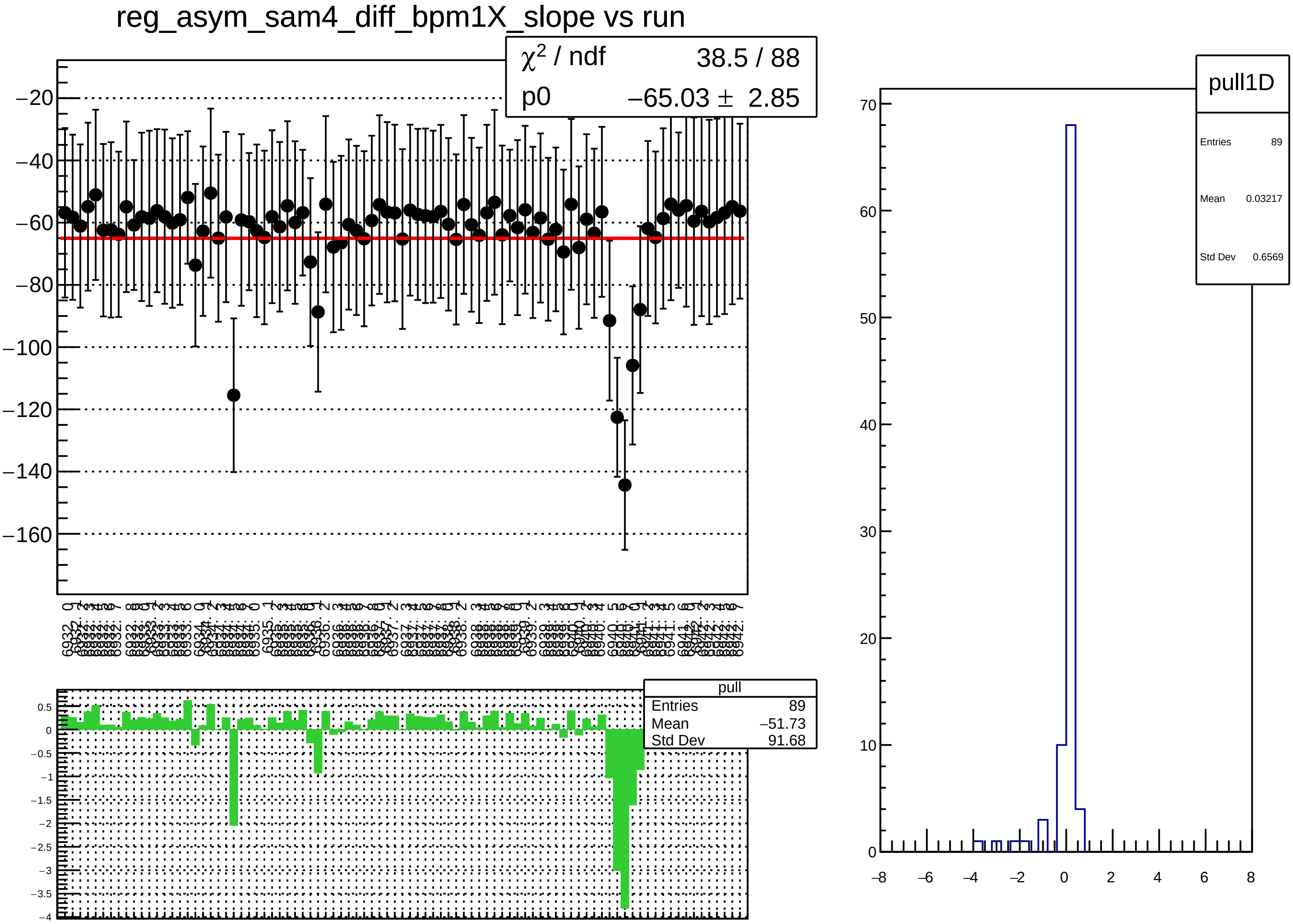
reg_asym_sam3_diff_bpm4eX_slope vs run
χ2 / ndf 25.9 / 88
p0 −72.77 ± 1.214
−40
−50
−60
−70
−80
−90
−100
pull
Entries 89
Mean 94.41
Std Dev 42.07
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.01557
Std Dev 0.5392
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



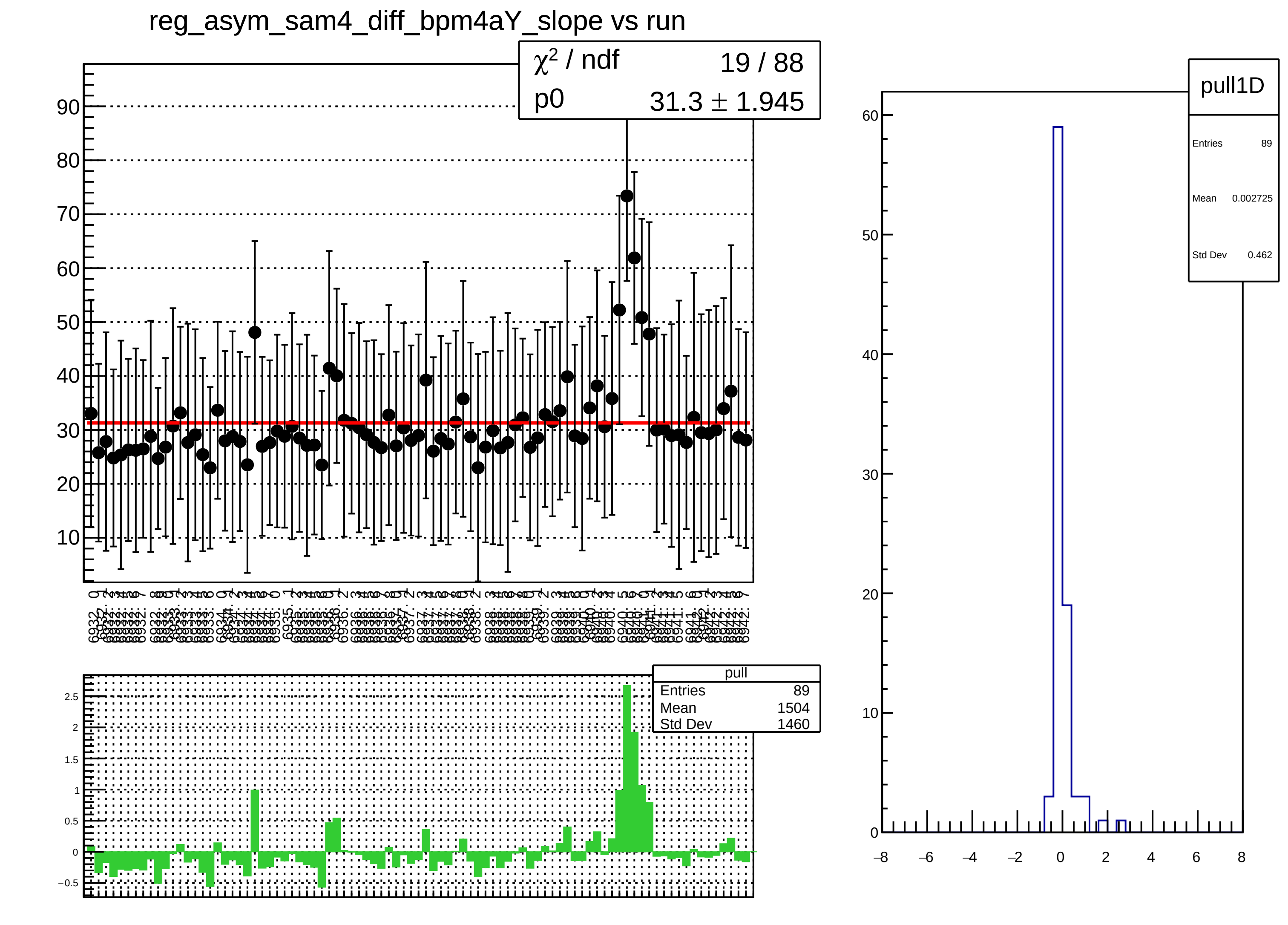
reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 13.83 / 88
p0 26.39 ± 1.028
pull
Entries 89
Mean −282
Std Dev 324.1
pull1D
Entries 89
Mean 0.007715
Std Dev 0.3941

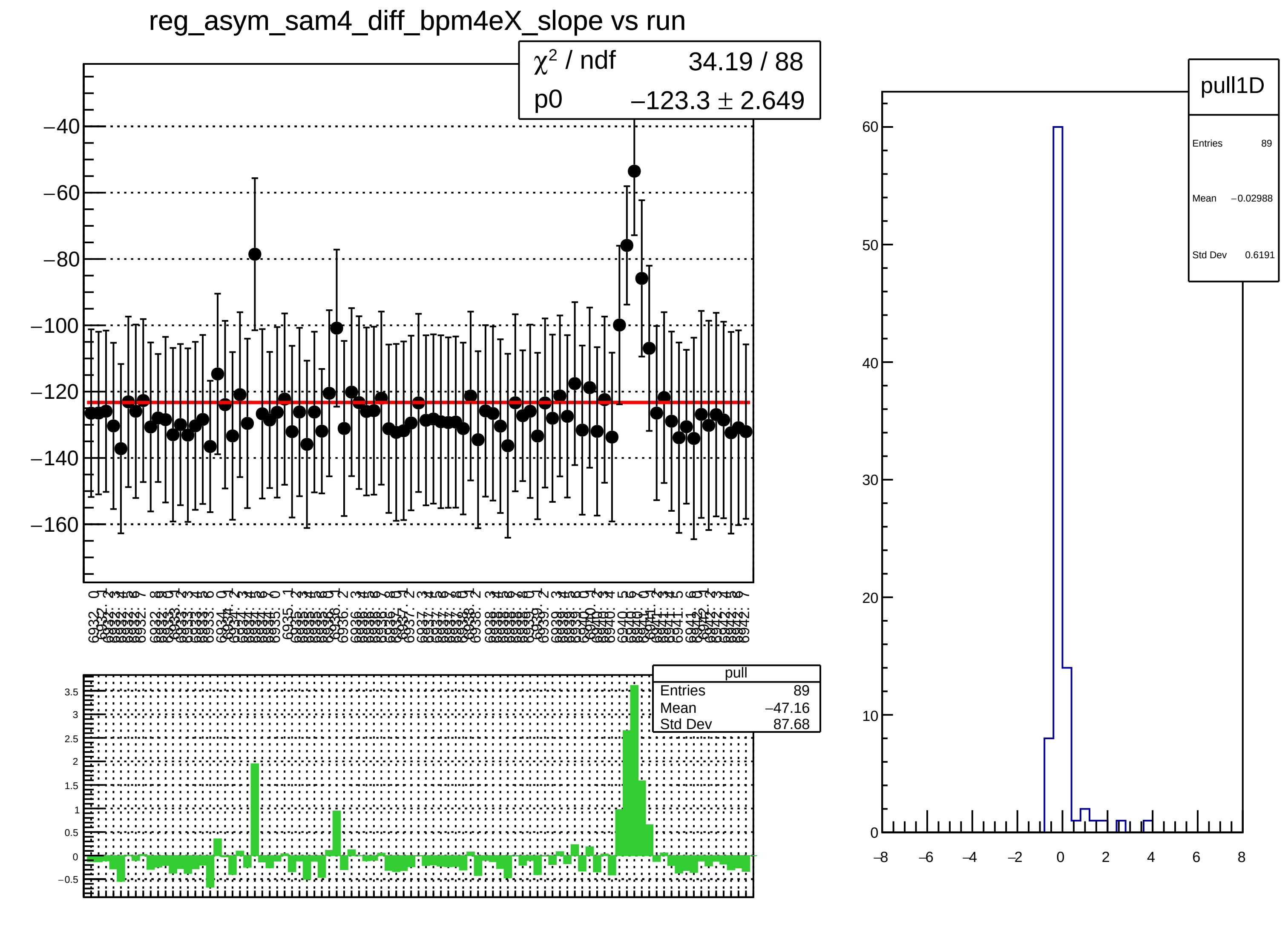


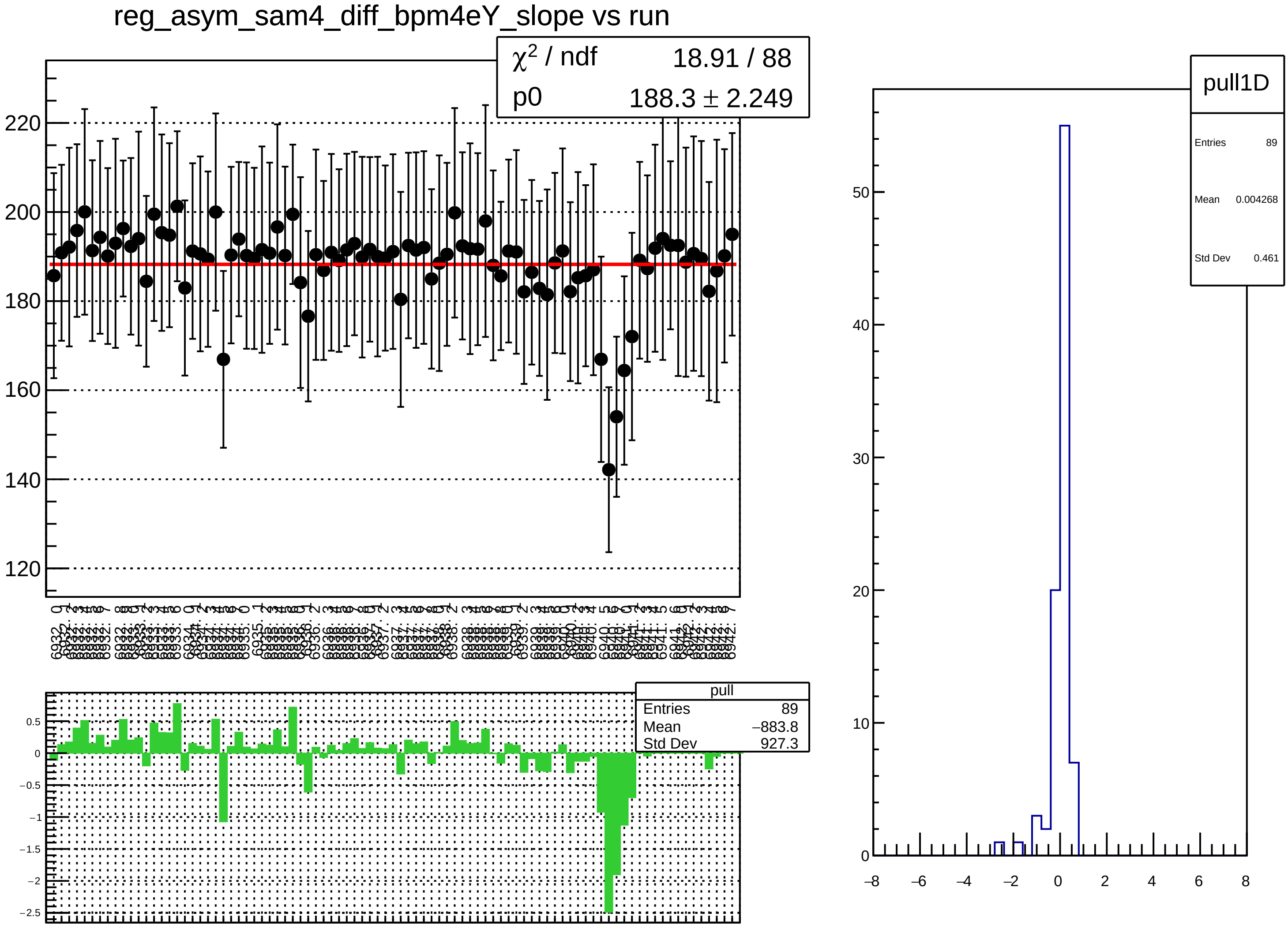
reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 4.994 / 88
p0 0.0102 ± 0.04261
pull
Entries 89
Mean −300
Std Dev 358.3
pull1D
Entries 89
Mean 0.001465
Std Dev 0.2369

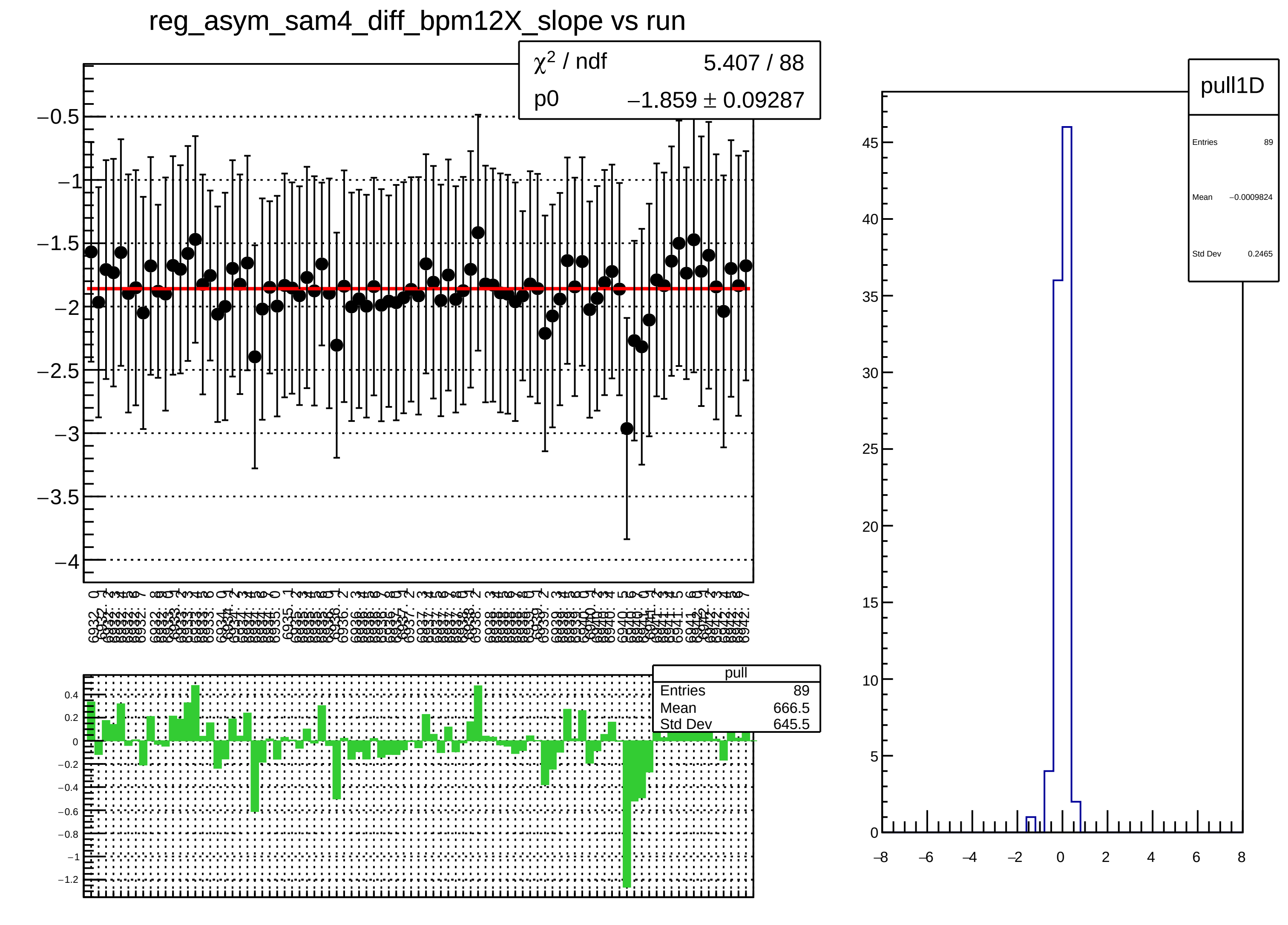


reg_asym_sam4_diff_bpm1X_slope vs run
χ2 / ndf 38.5 / 88
p0 −65.03 ± 2.85
pull
Entries 89
Mean −51.73
Std Dev 91.68
pull1D
Entries 89
Mean 0.03217
Std Dev 0.6569

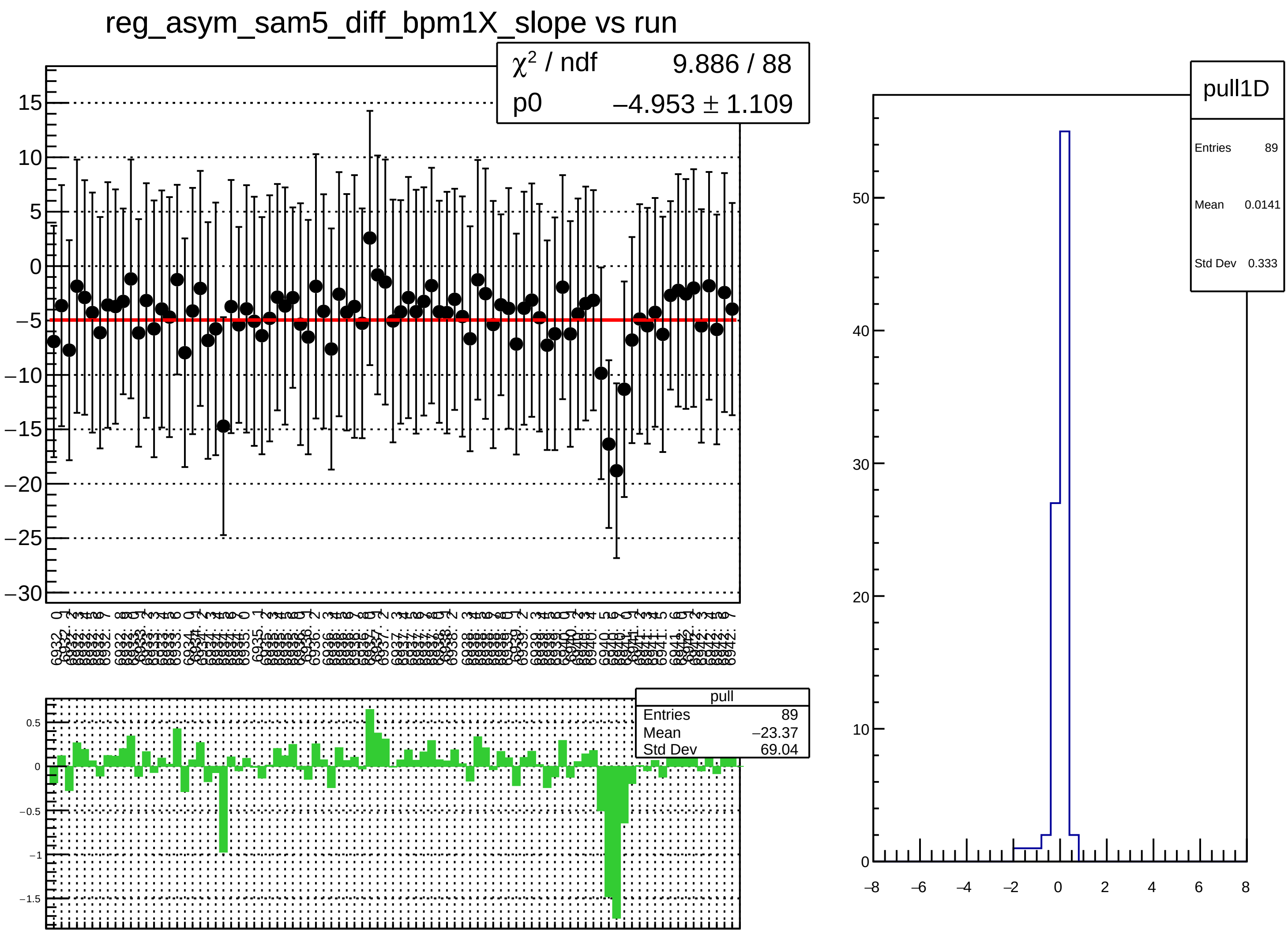

reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 19 / 88
p0 31.3 ± 1.945
pull
Entries 89
Mean 1504
Std Dev 1460
pull1D
Entries 89
Mean 0.002725
Std Dev 0.462

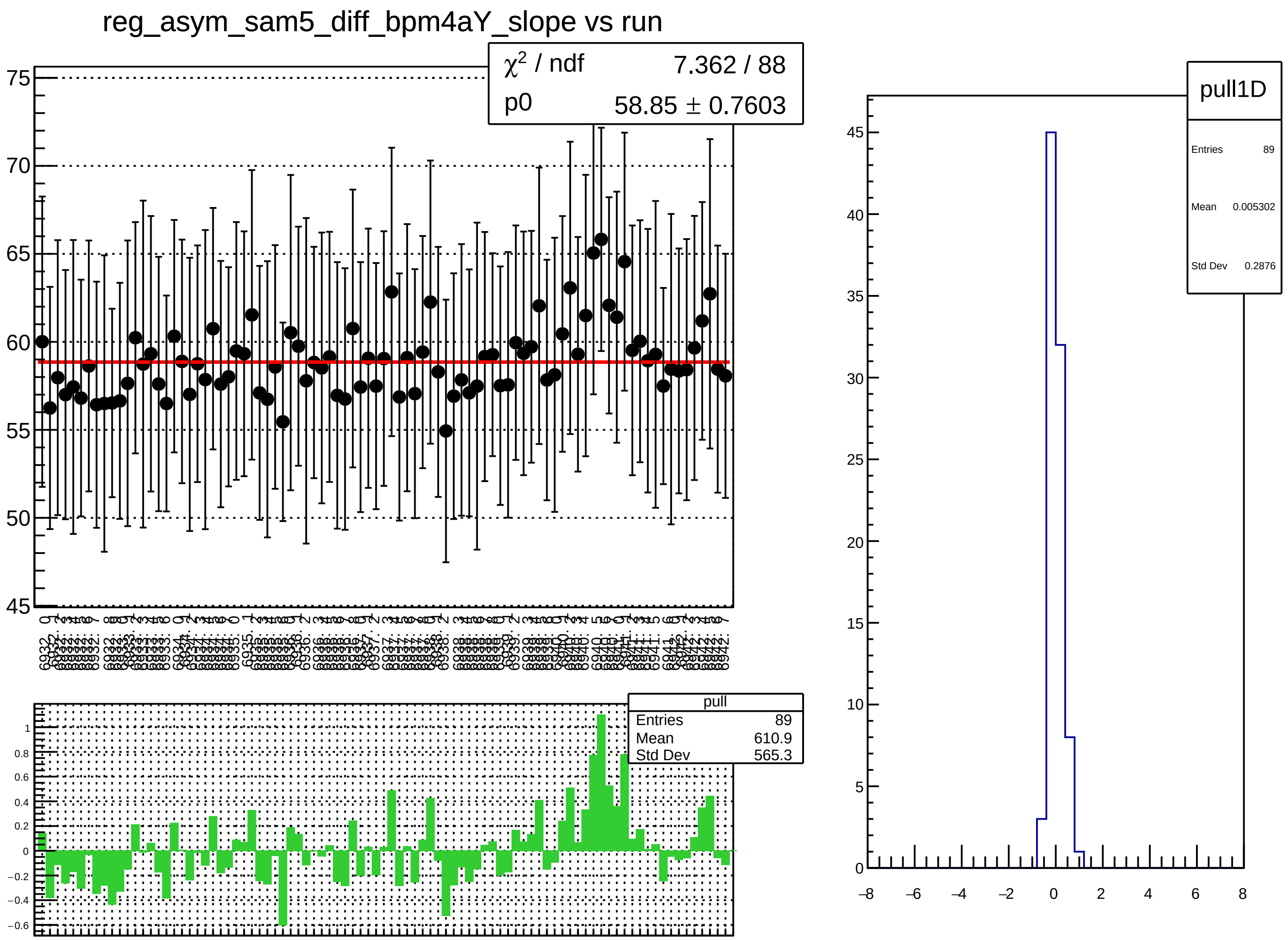

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 34.19 / 88
p0 −123.3 ± 2.649
pull
Entries 89
Mean −47.16
Std Dev 87.68
pull1D
Entries 89
Mean −0.02988
Std Dev 0.6191


reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 18.91 / 88
p0 188.3 ± 2.249
pull
Entries 89
Mean −883.8
Std Dev 927.3
pull1D
Entries 89
Mean 0.004268
Std Dev 0.461

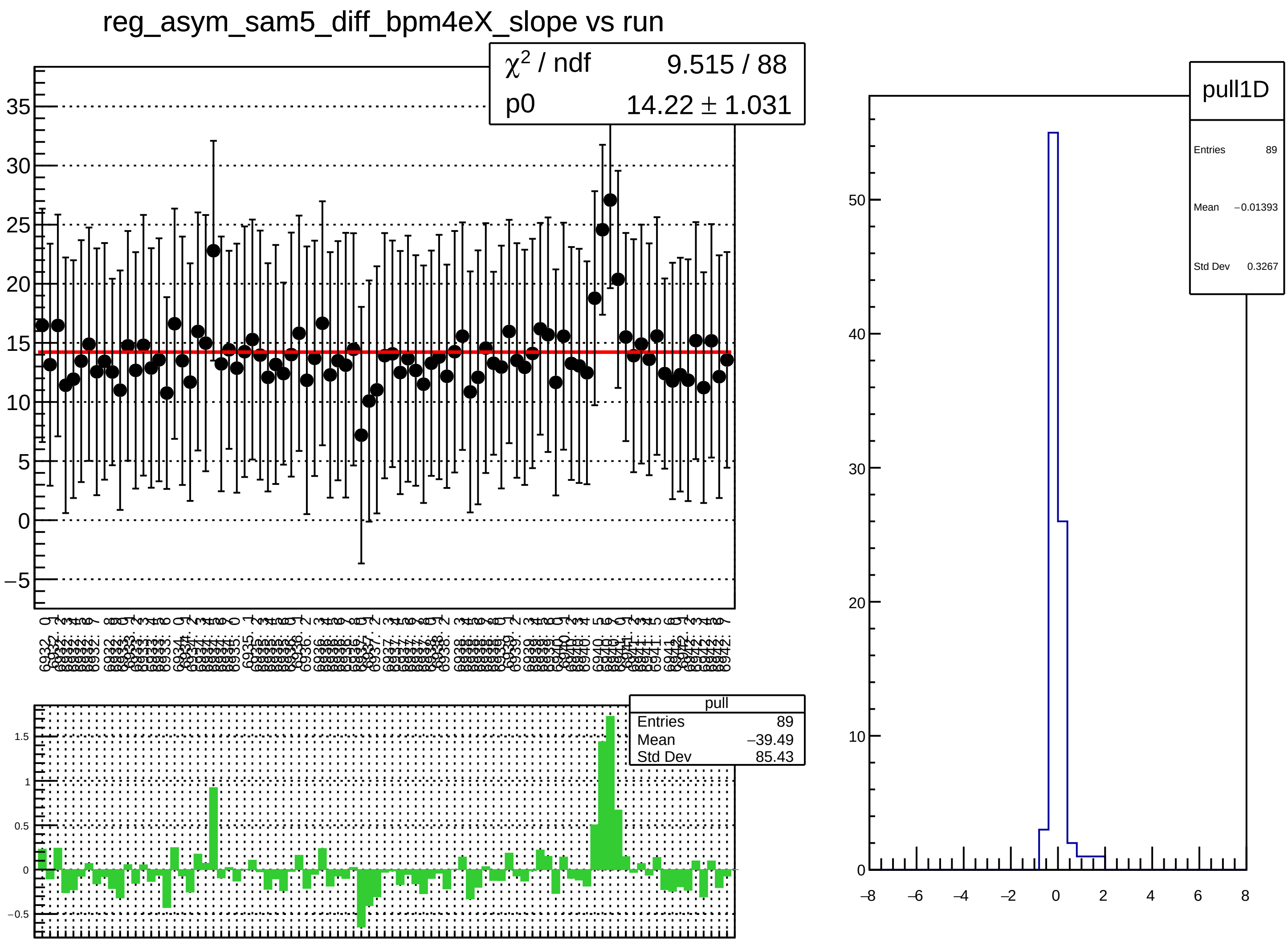


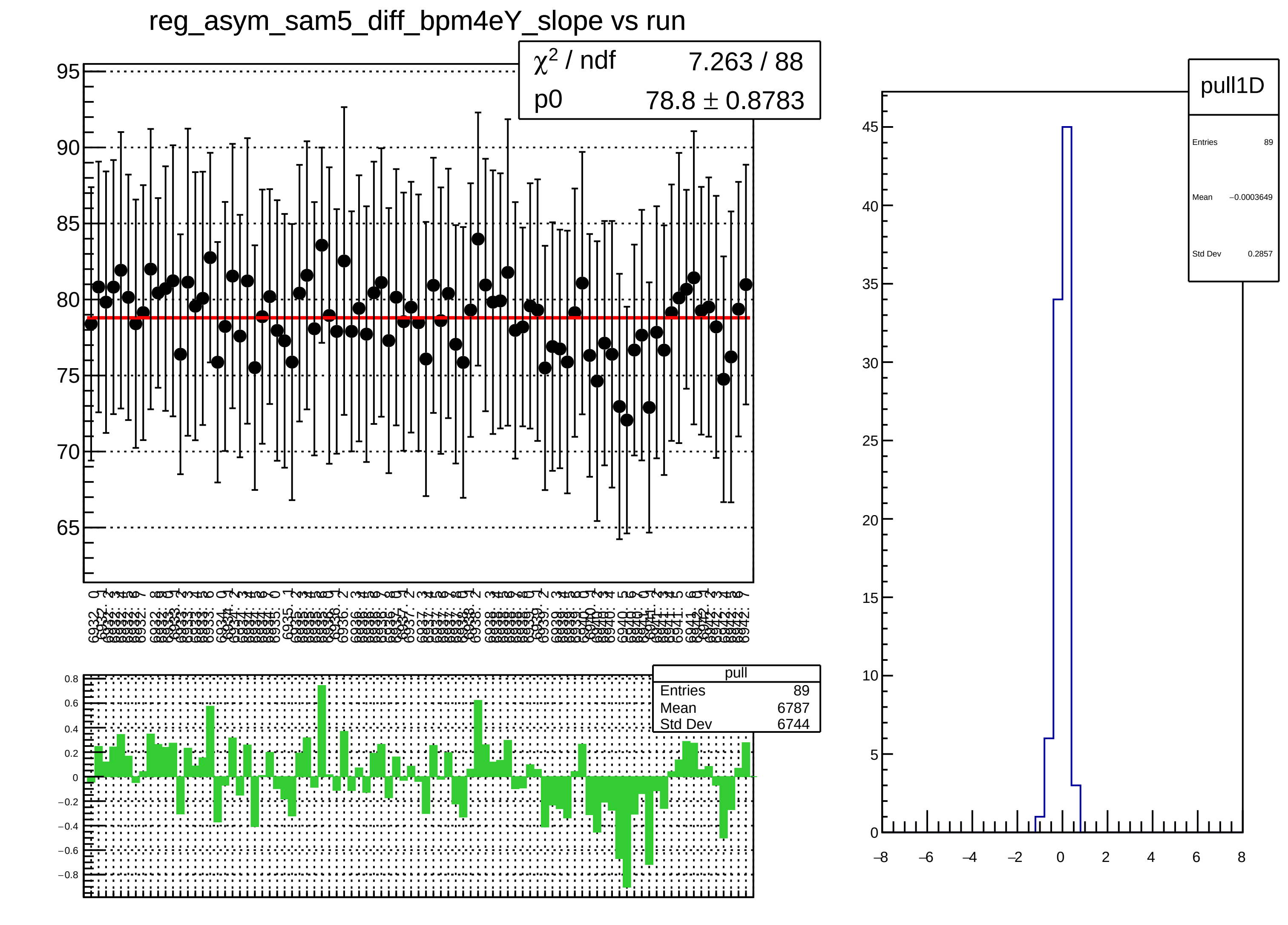
reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 5.407 / 88
p0 −1.859 ± 0.09287
pull
Entries 89
Mean 666.5
Std Dev 645.5
pull1D
Entries 89
Mean −0.0009824
Std Dev 0.2465


reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 9.886 / 88
p0 −4.953 ± 1.109
pull
Entries 89
Mean −23.37
Std Dev 69.04
pull1D
Entries 89
Mean 0.0141
Std Dev 0.333

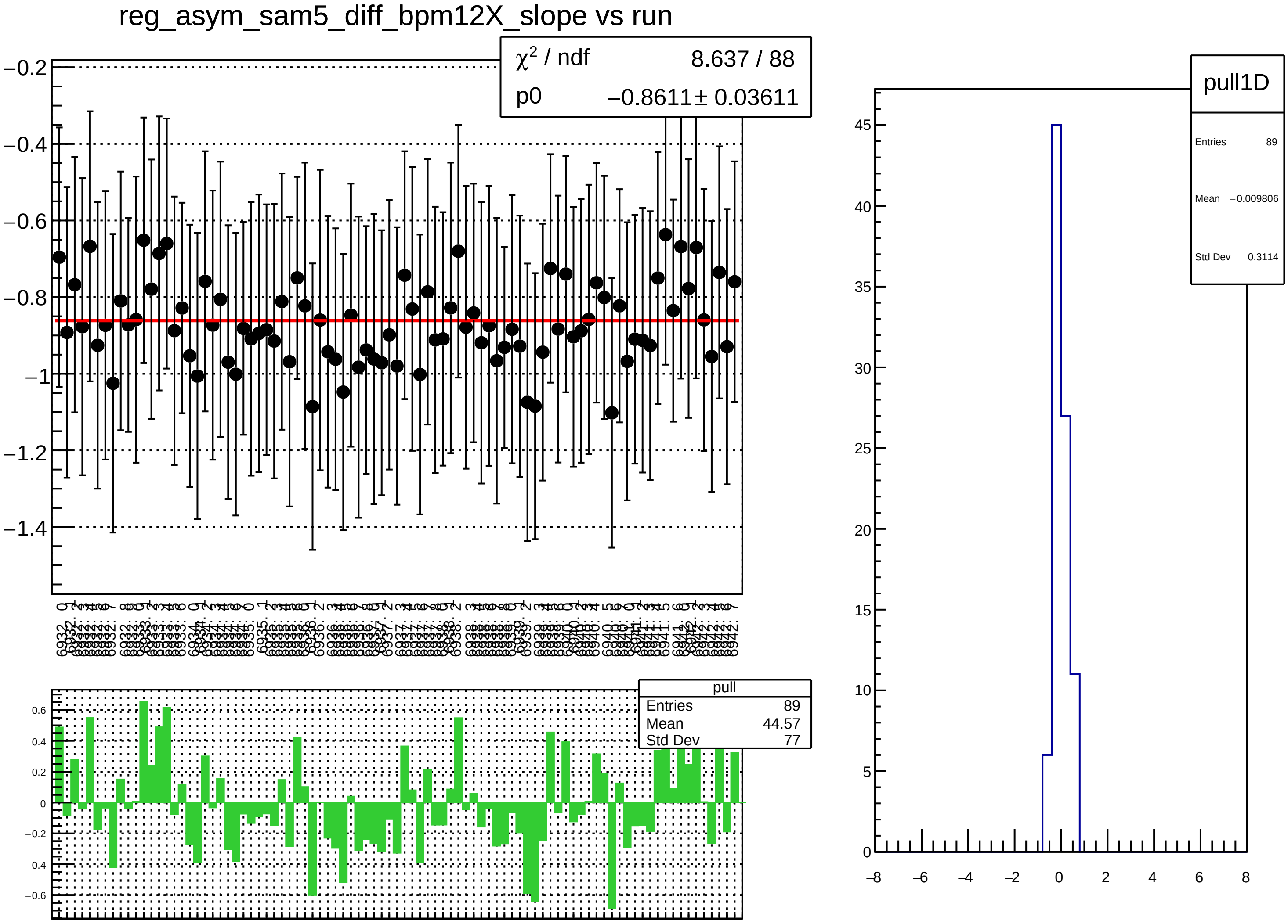


reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 7.362 / 88
p0 58.85 ± 0.7603
pull
Entries 89
Mean 610.9
Std Dev 565.3
pull1D
Entries 89
Mean 0.005302
Std Dev 0.2876

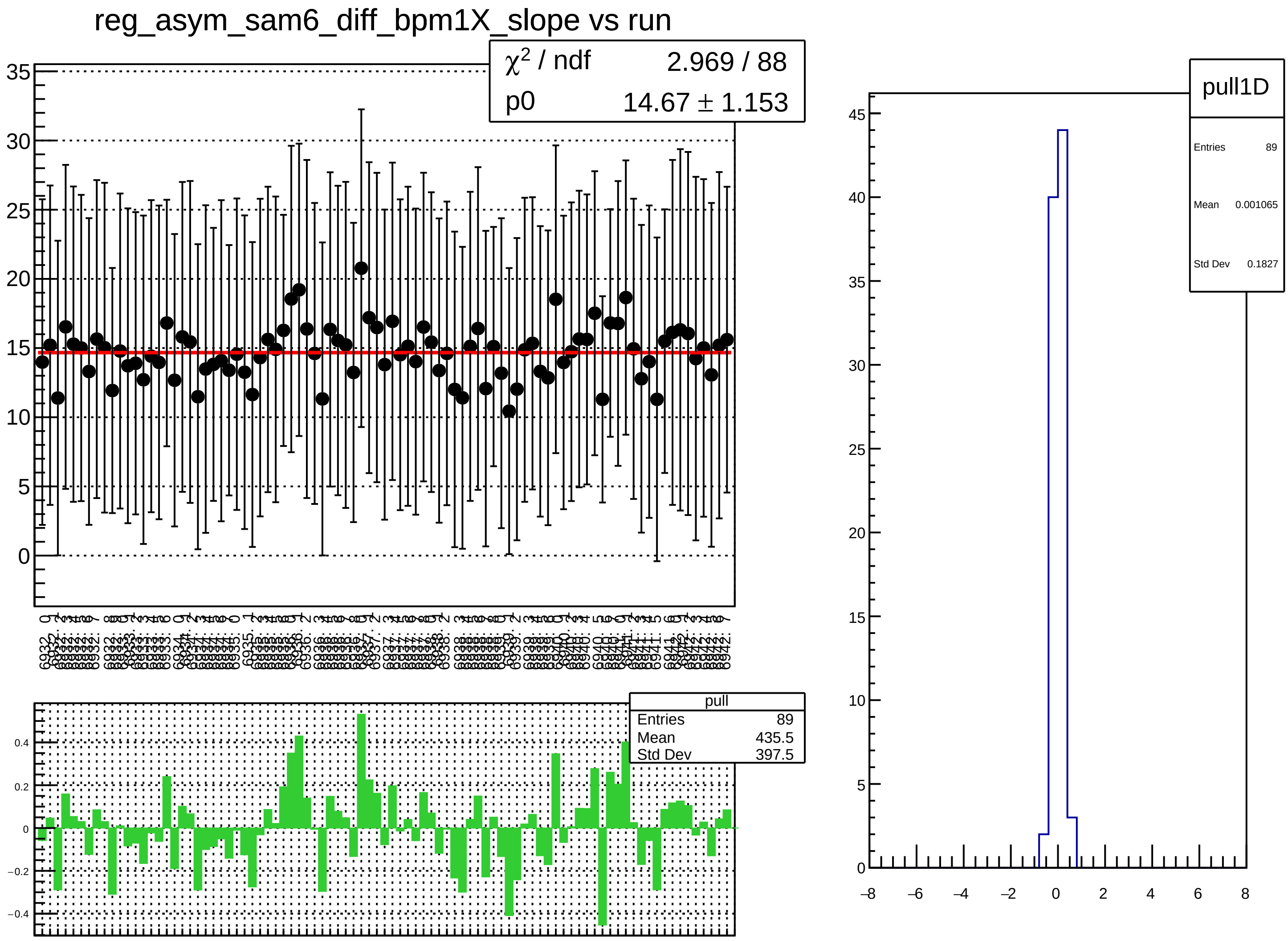

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 9.515 / 88
p0 14.22 ± 1.031
pull
Entries 89
Mean −39.49
Std Dev 85.43
pull1D
Entries 89
Mean −0.01393
Std Dev 0.3267

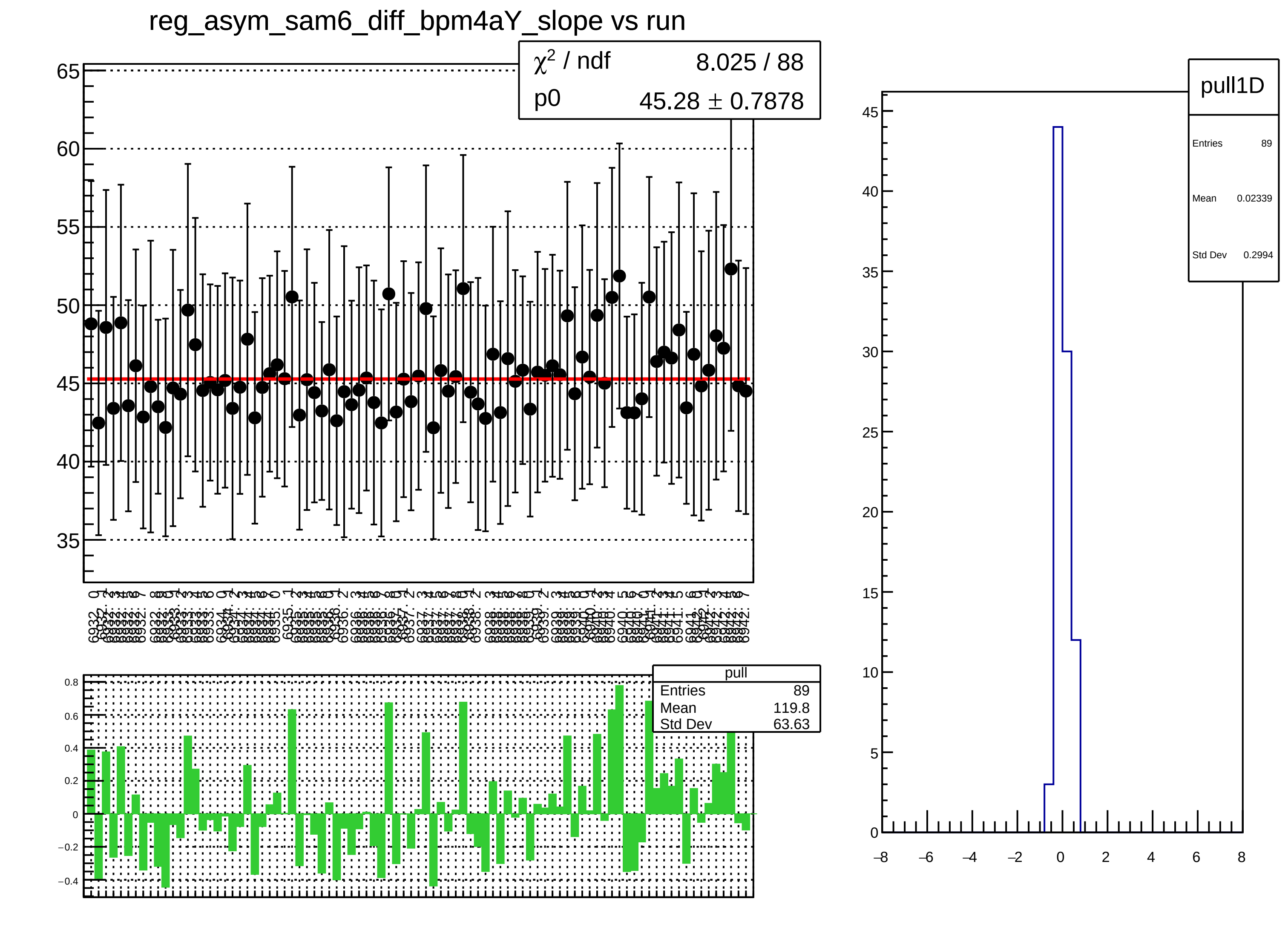


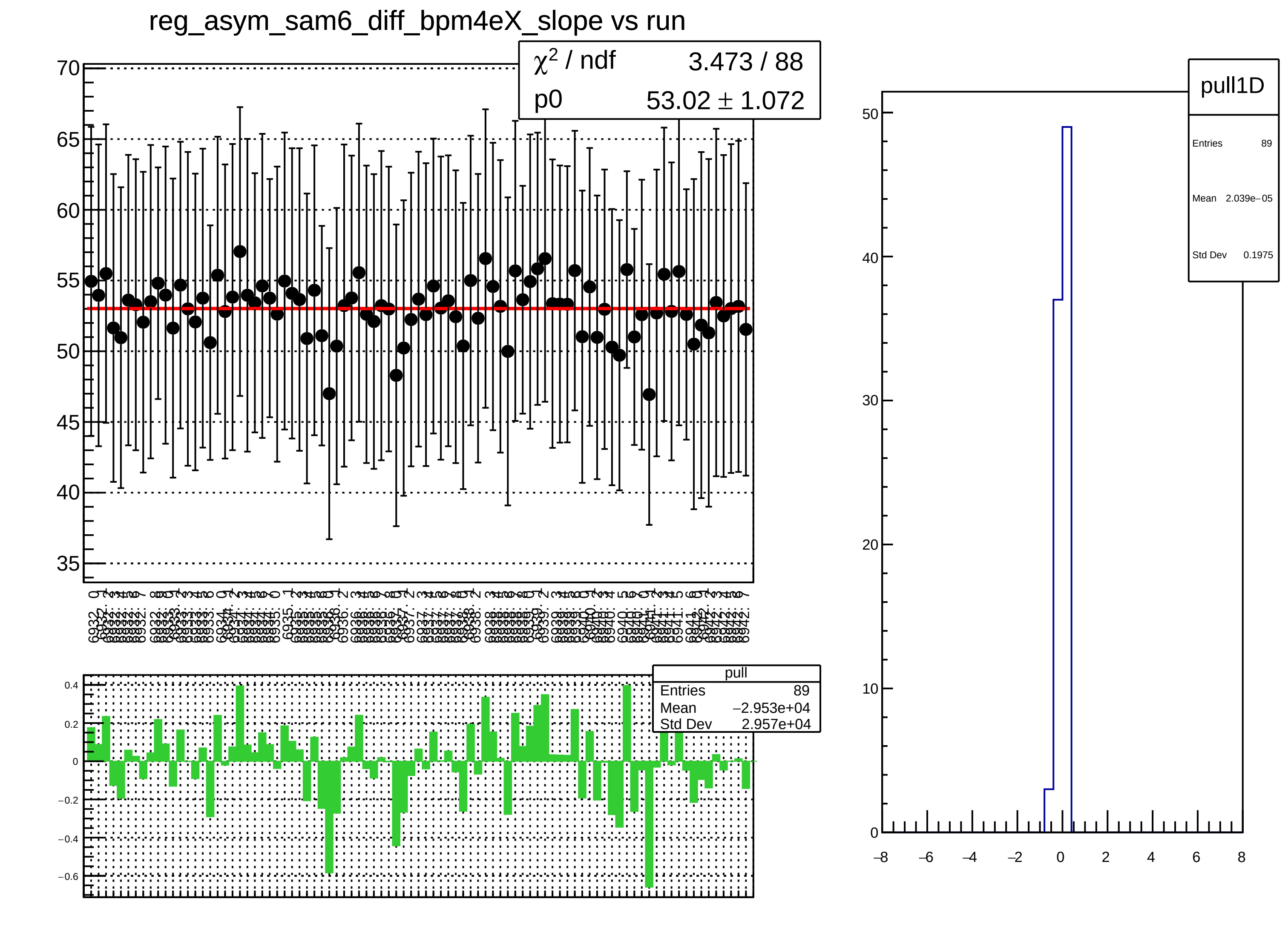
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 7.263 / 88
p0 78.8 ± 0.8783
pull
Entries 89
Mean 6787
Std Dev 6744
pull1D
Entries 89
Mean −0.0003649
Std Dev 0.2857



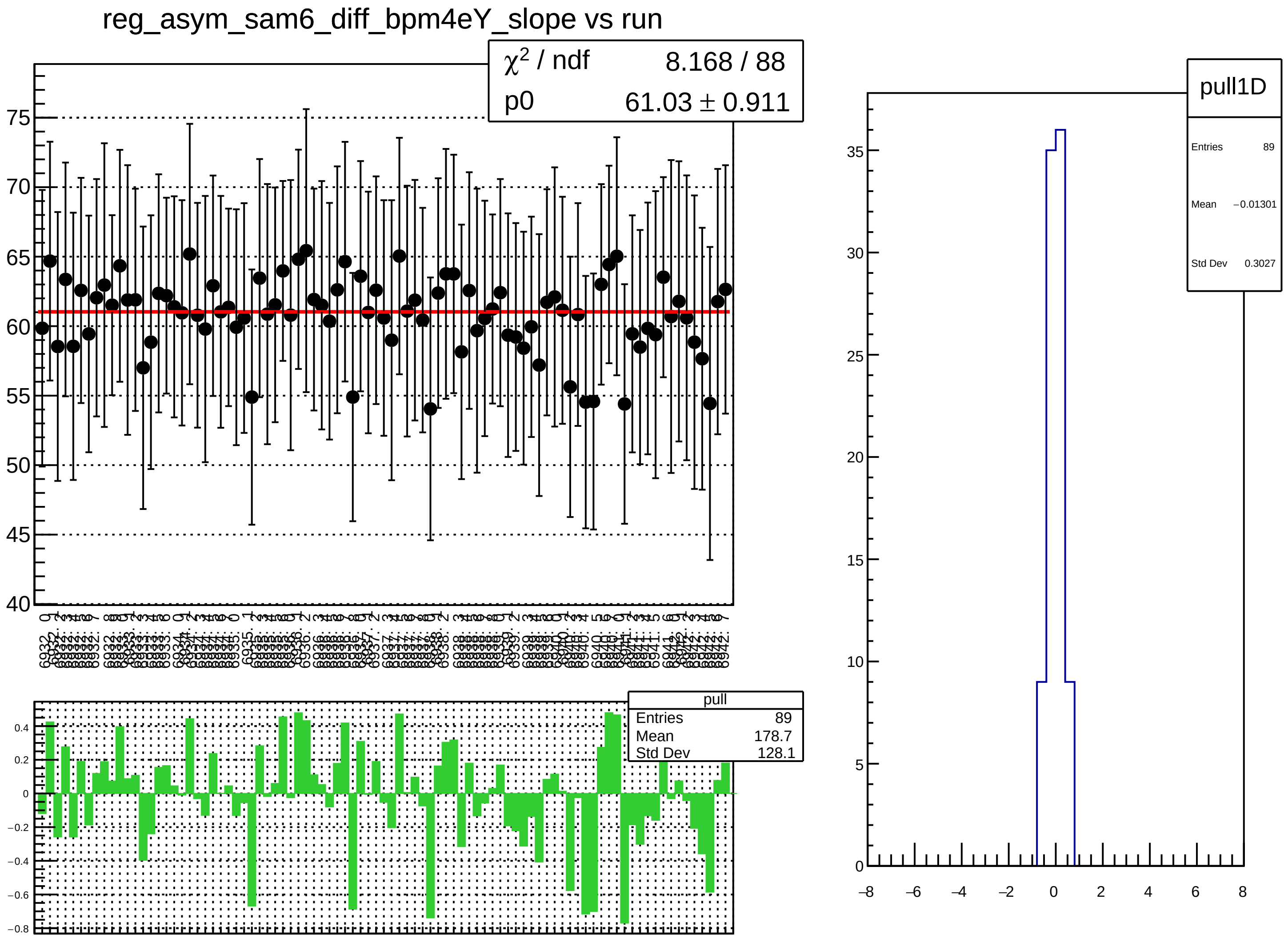
reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 8.637 / 88
p0 −0.8611 ± 0.03611
pull
Entries 89
Mean 44.57
Std Dev 77
pull1D
Entries 89
Mean −0.009806
Std Dev 0.3114


reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 2.969 / 88
p0 14.67 ± 1.153
pull
Entries 89
Mean 435.5
Std Dev 397.5
pull1D
Entries 89
Mean 0.001065
Std Dev 0.1827

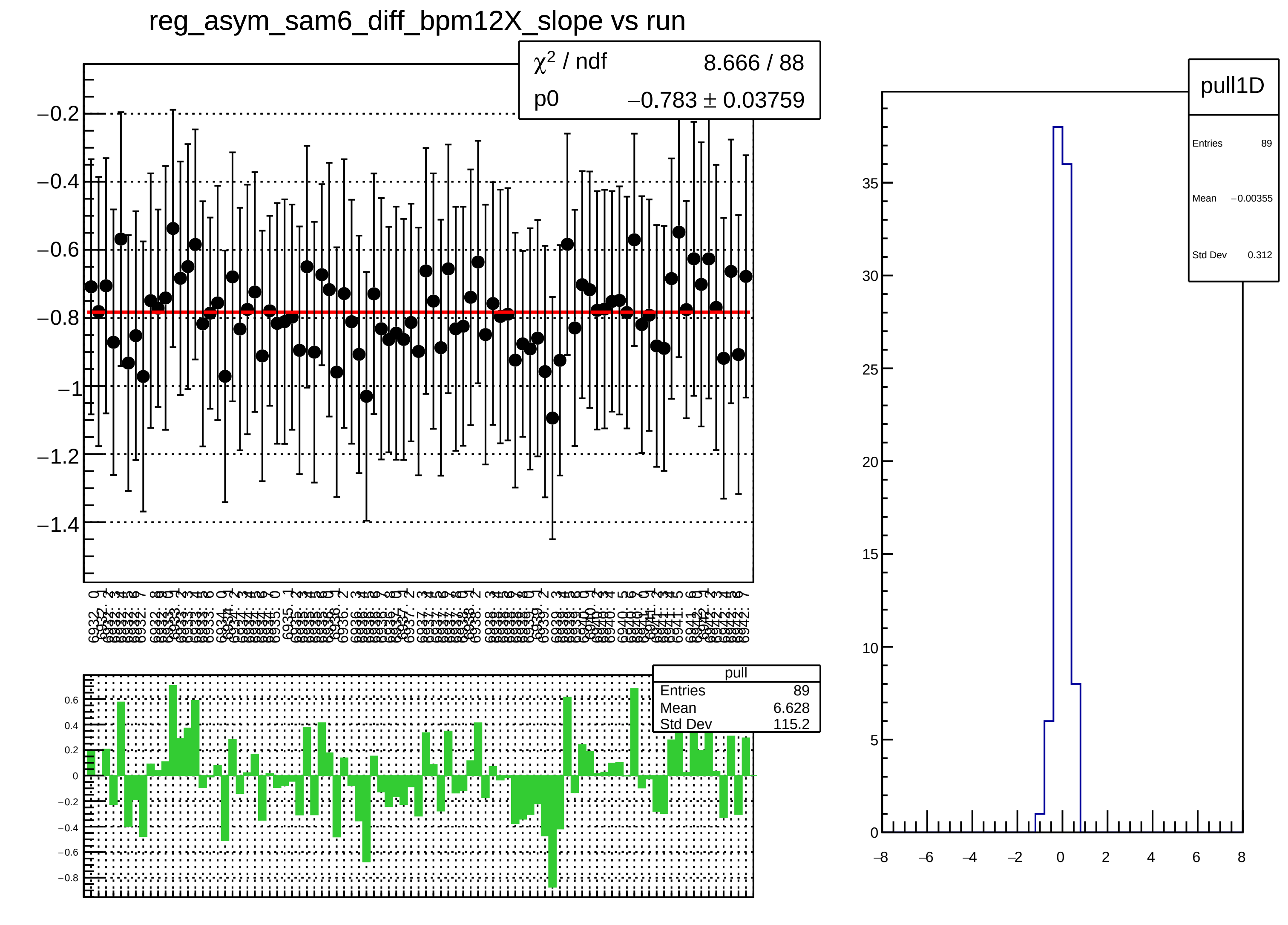

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 8.025 / 88
p0 45.28 ± 0.7878
pull
Entries 89
Mean 119.8
Std Dev 63.63
pull1D
Entries 89
Mean 0.02339
Std Dev 0.2994



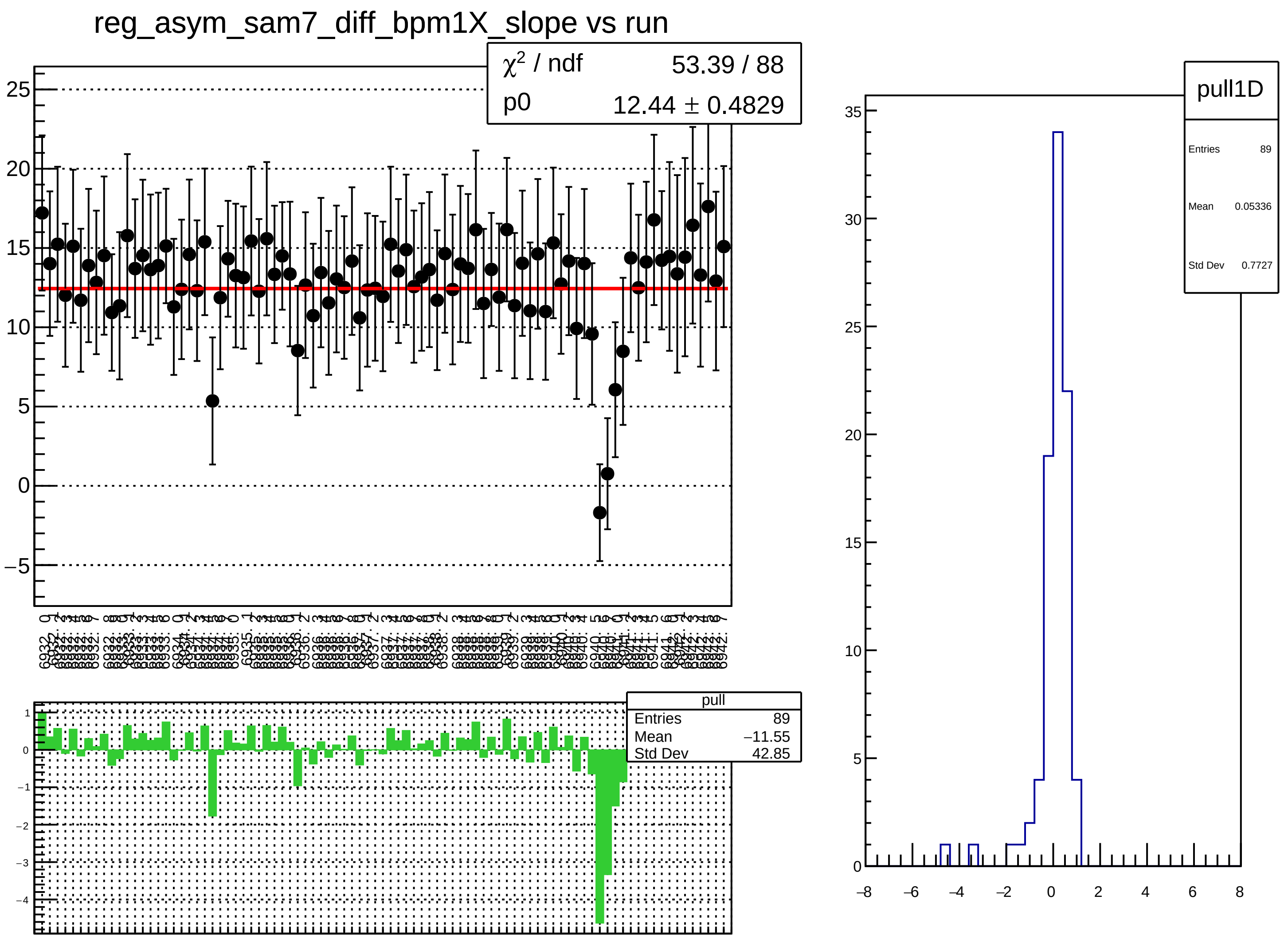
reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 3.473 / 88
p0 53.02 ± 1.072
pull
Entries 89
Mean −2.953e+04
Std Dev 2.957e+04
pull1D
Entries 89
Mean 2.039e−05
Std Dev 0.1975



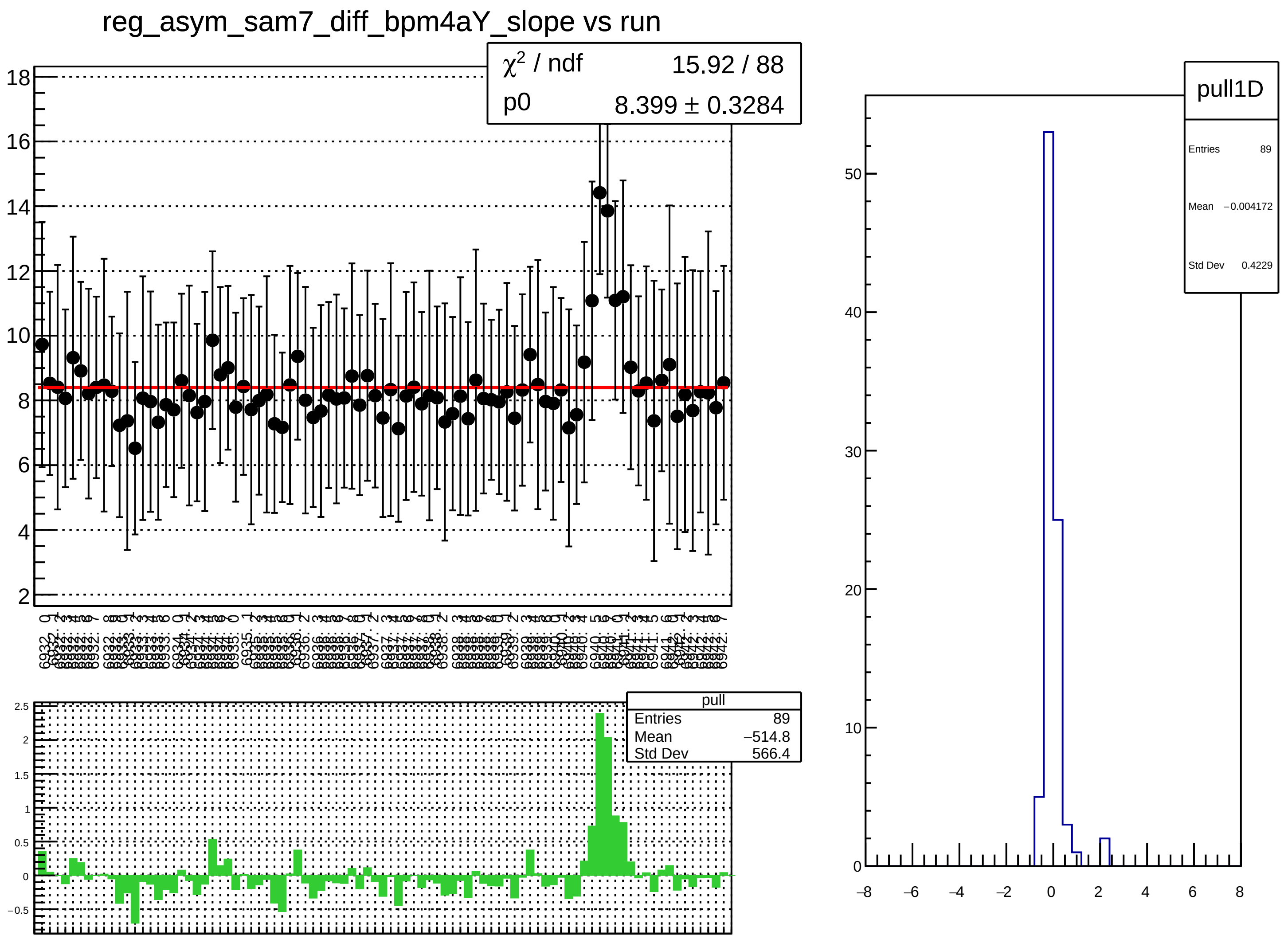
reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 8.168 / 88
p0 61.03 ± 0.911
pull
Entries 89
Mean 178.7
Std Dev 128.1
pull1D
Entries 89
Mean −0.01301
Std Dev 0.3027



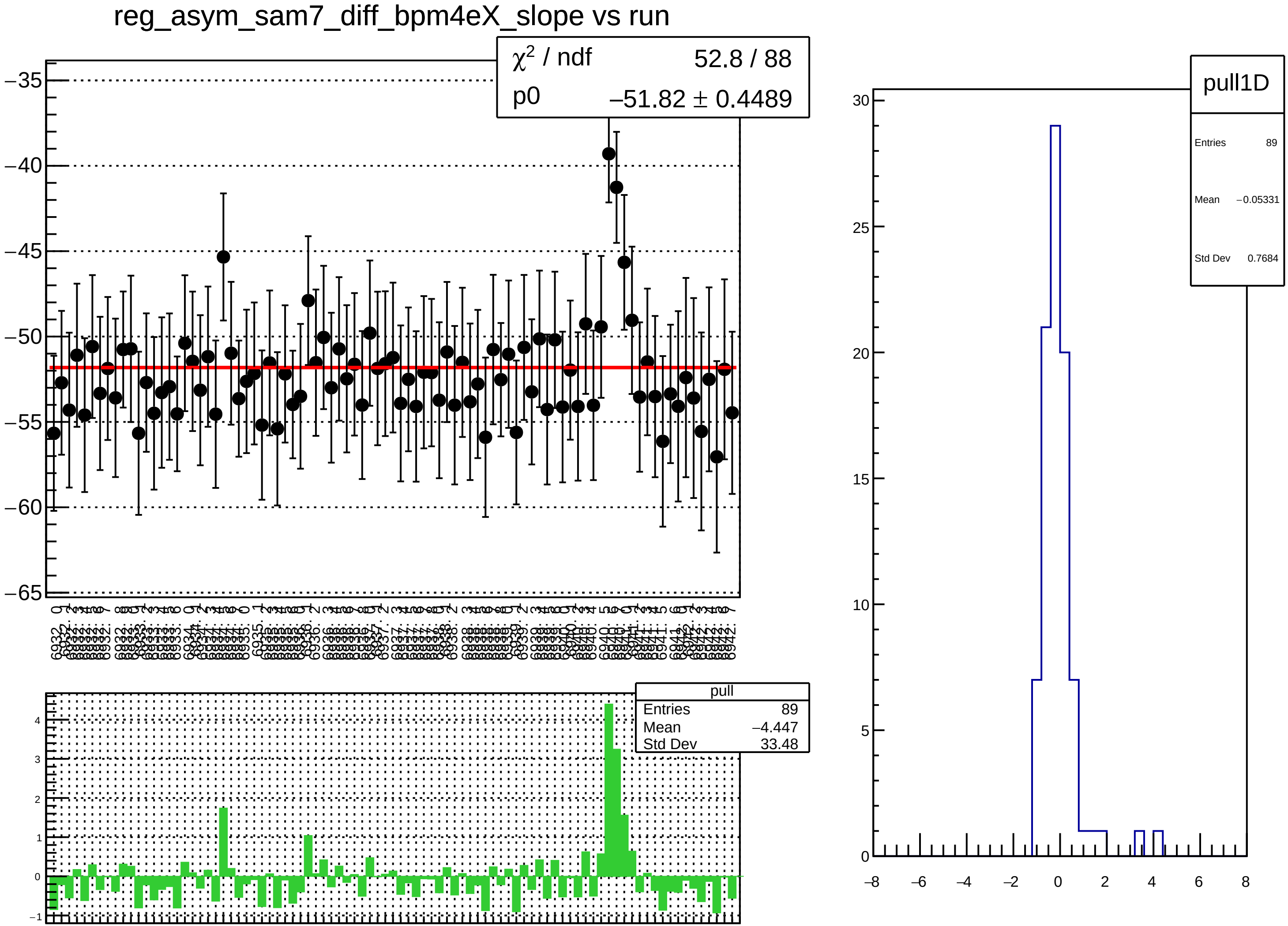
reg_asym_sam6_diff_bpm12X_slope vs run
χ2 / ndf 8.666 / 88
p0 −0.783 ± 0.03759
pull
Entries 89
Mean 6.628
Std Dev 115.2
pull1D
Entries 89
Mean −0.00355
Std Dev 0.312

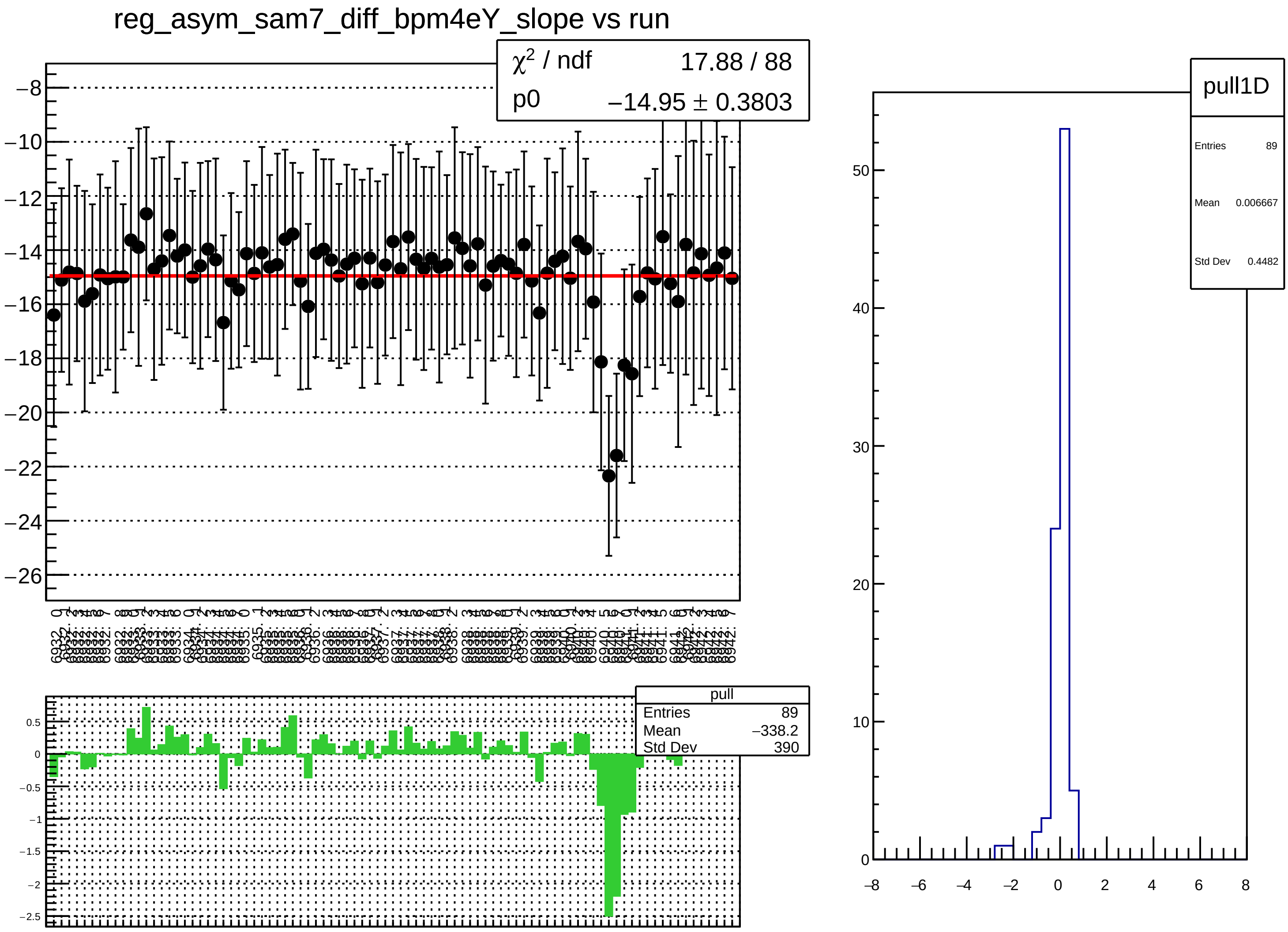


reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 53.39 / 88
p0 12.44 ± 0.4829
pull
Entries 89
Mean −11.55
Std Dev 42.85
pull1D
Entries 89
Mean 0.05336
Std Dev 0.7727

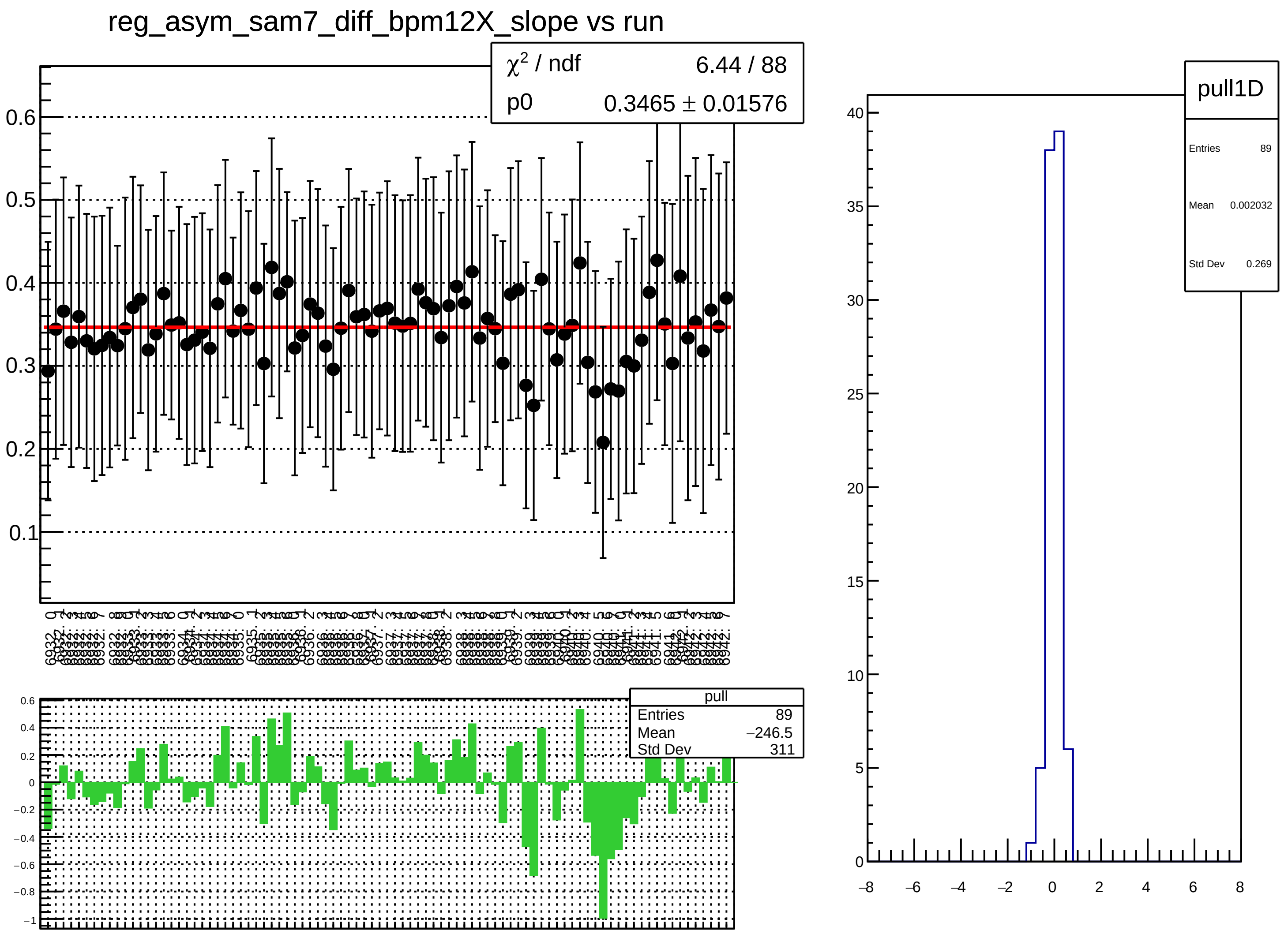


reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 15.92 / 88
p0 8.399 ± 0.3284
pull
Entries 89
Mean −514.8
Std Dev 566.4
pull1D
Entries 89
Mean −0.004172
Std Dev 0.4229

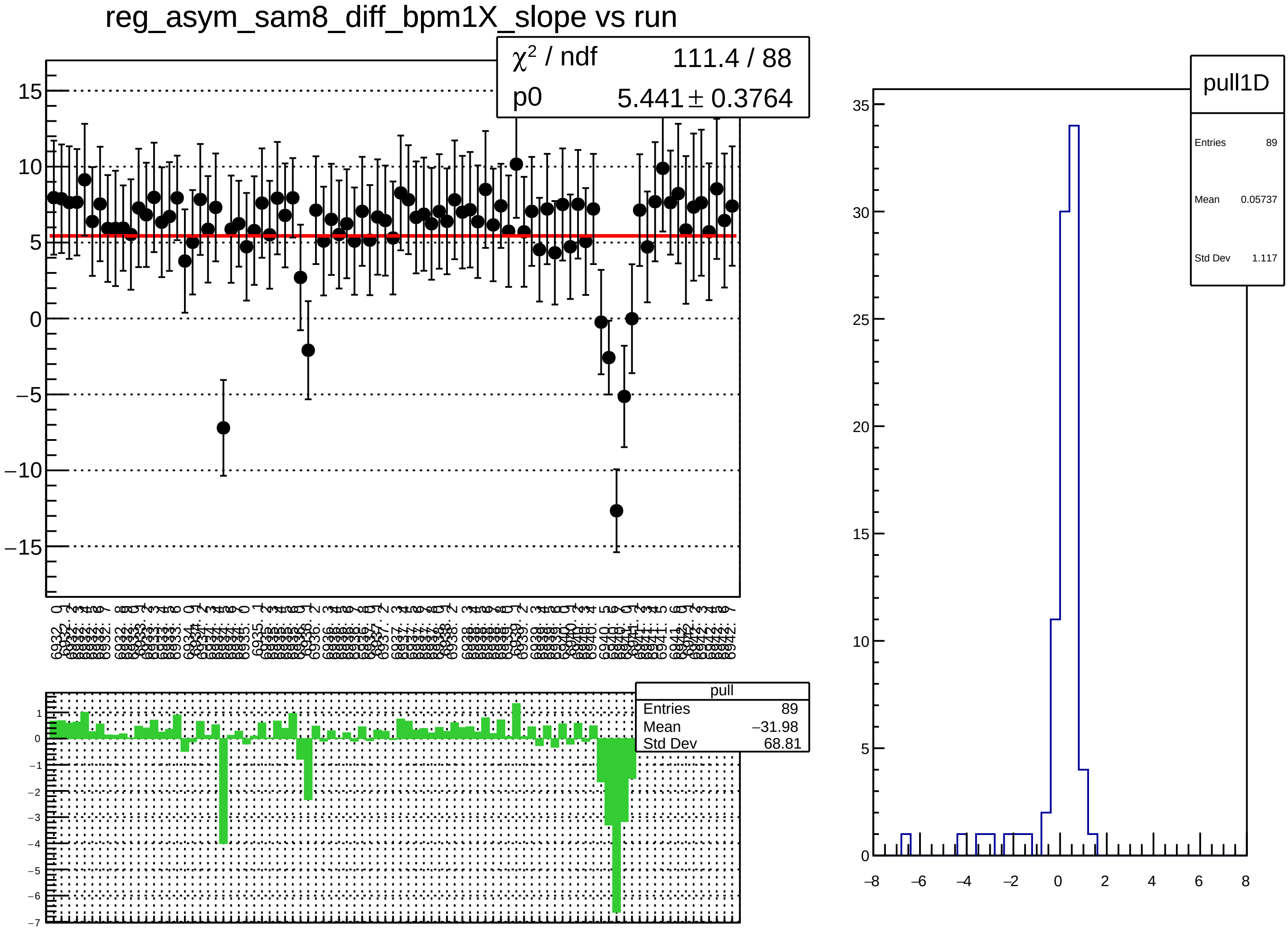

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 52.8 / 88
p0 −51.82 ± 0.4489
pull
Entries 89
Mean −4.447
Std Dev 33.48
pull1D
Entries 89
Mean −0.05331
Std Dev 0.7684



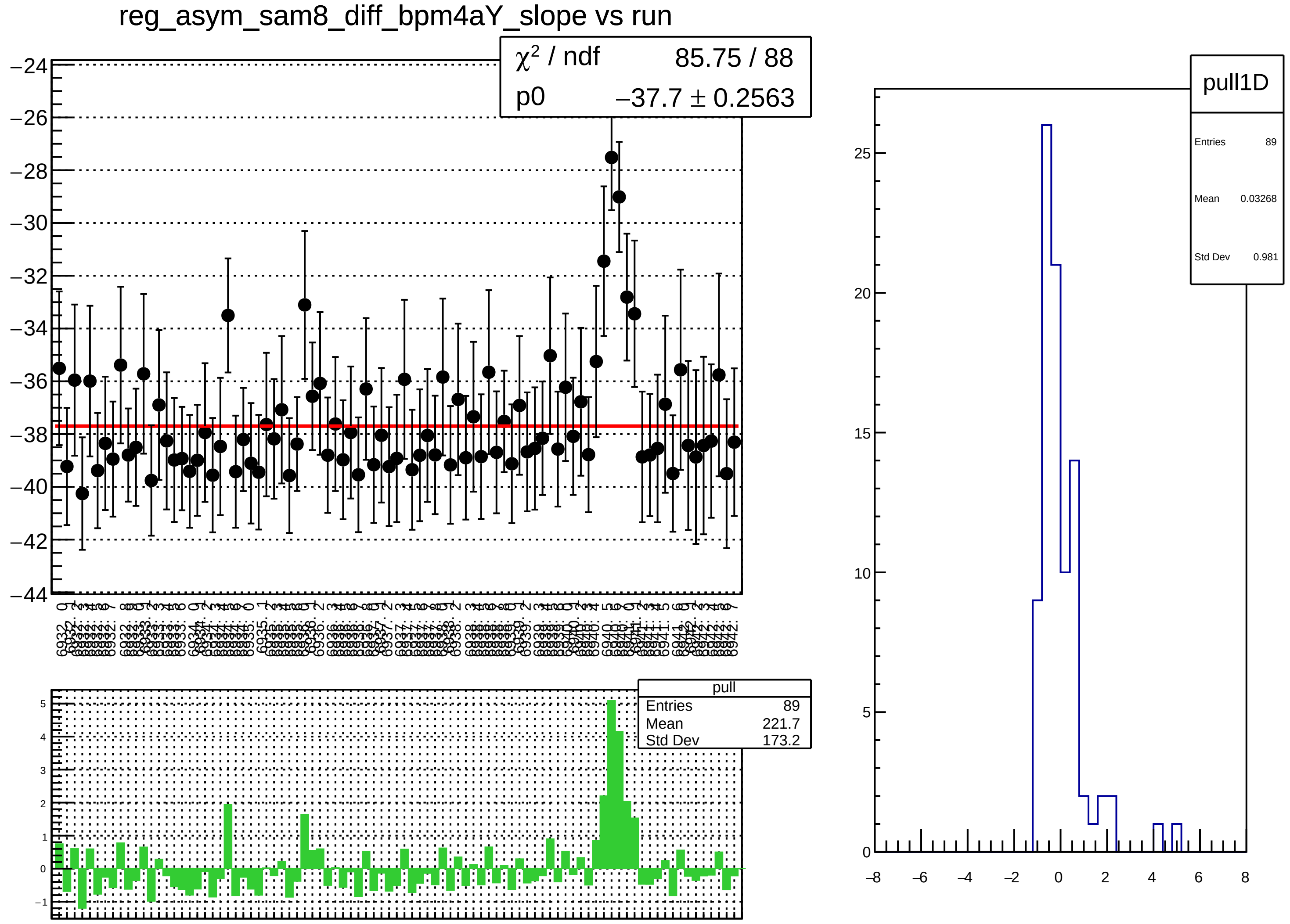
reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 17.88 / 88
p0 −14.95 ± 0.3803
pull
Entries 89
Mean −338.2
Std Dev 390
pull1D
Entries 89
Mean 0.006667
Std Dev 0.4482

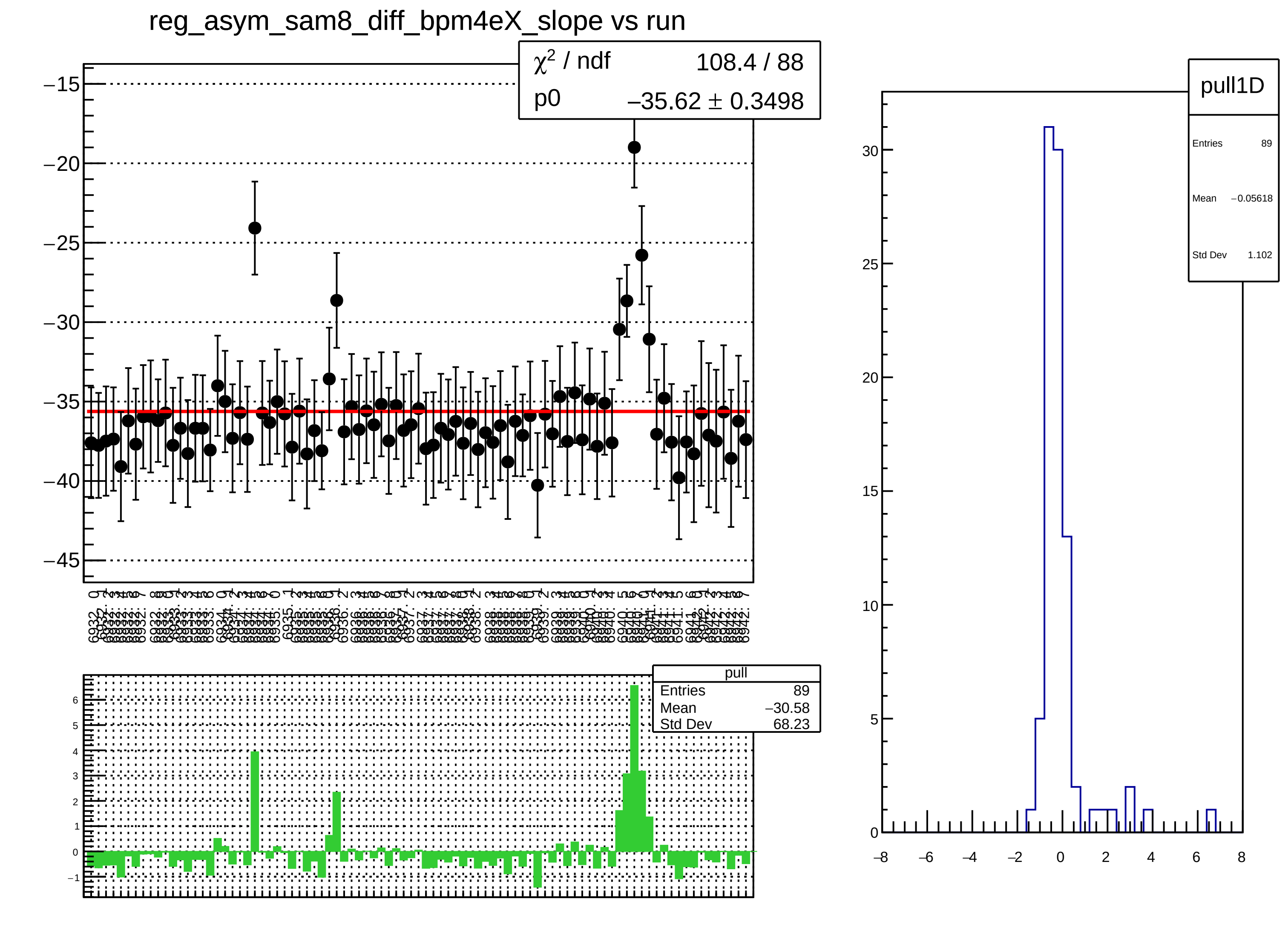


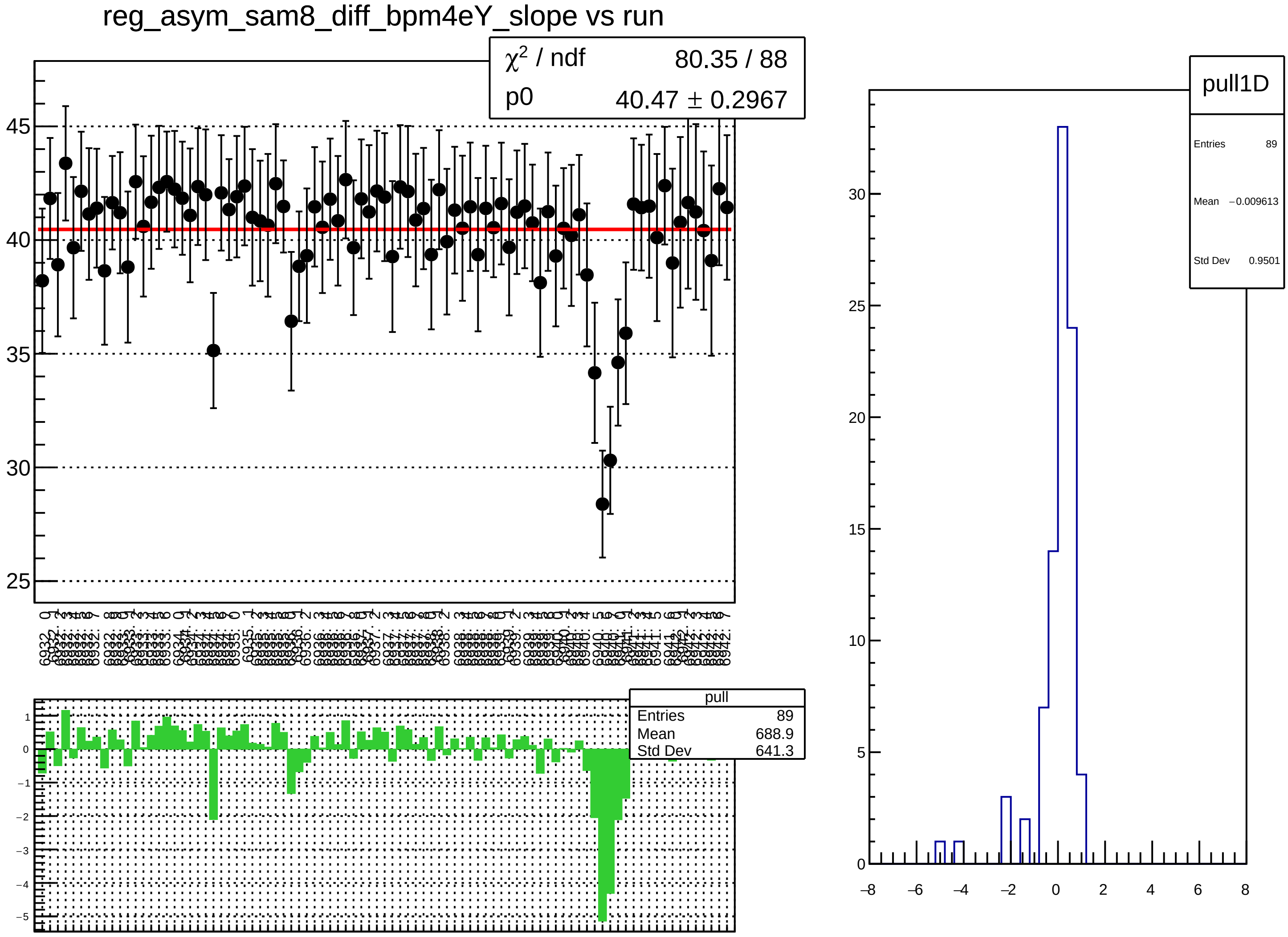
reg_asym_sam7_diff_bpm12X_slope vs run
χ2 / ndf 6.44 / 88
p0 0.3465 ± 0.01576
pull
Entries 89
Mean −246.5
Std Dev 311
pull1D
Entries 89
Mean 0.002032
Std Dev 0.269



reg_asym_sam8_diff_bpm1X_slope vs run
χ2 / ndf 111.4 / 88
p0 5.441 ± 0.3764
pull
Entries 89
Mean −31.98
Std Dev 68.81
pull1D
Entries 89
Mean 0.05737
Std Dev 1.117

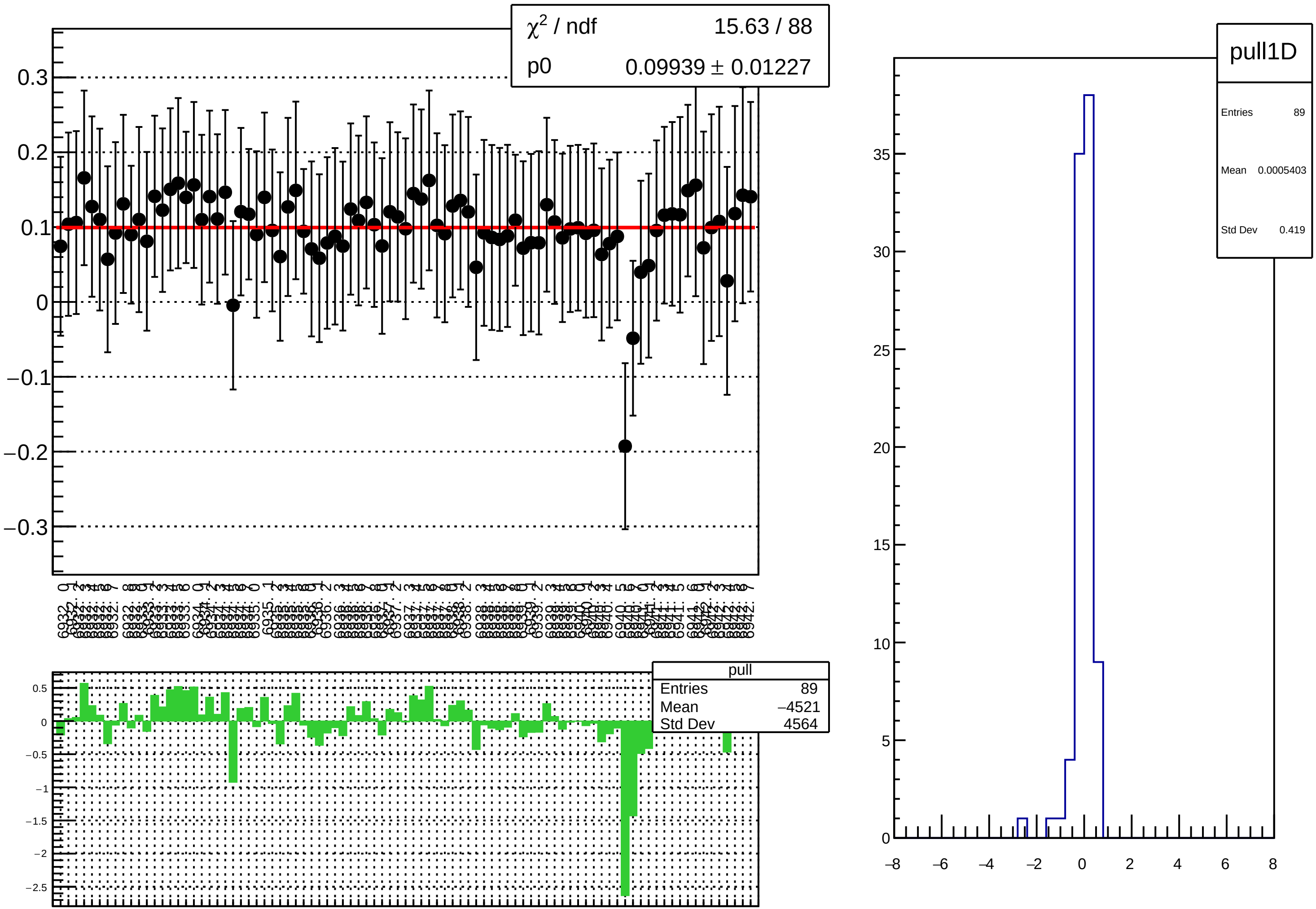

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 85.75 / 88
p0 −37.7 ± 0.2563
pull
Entries 89
Mean 221.7
Std Dev 173.2
pull1D
Entries 89
Mean 0.03268
Std Dev 0.981

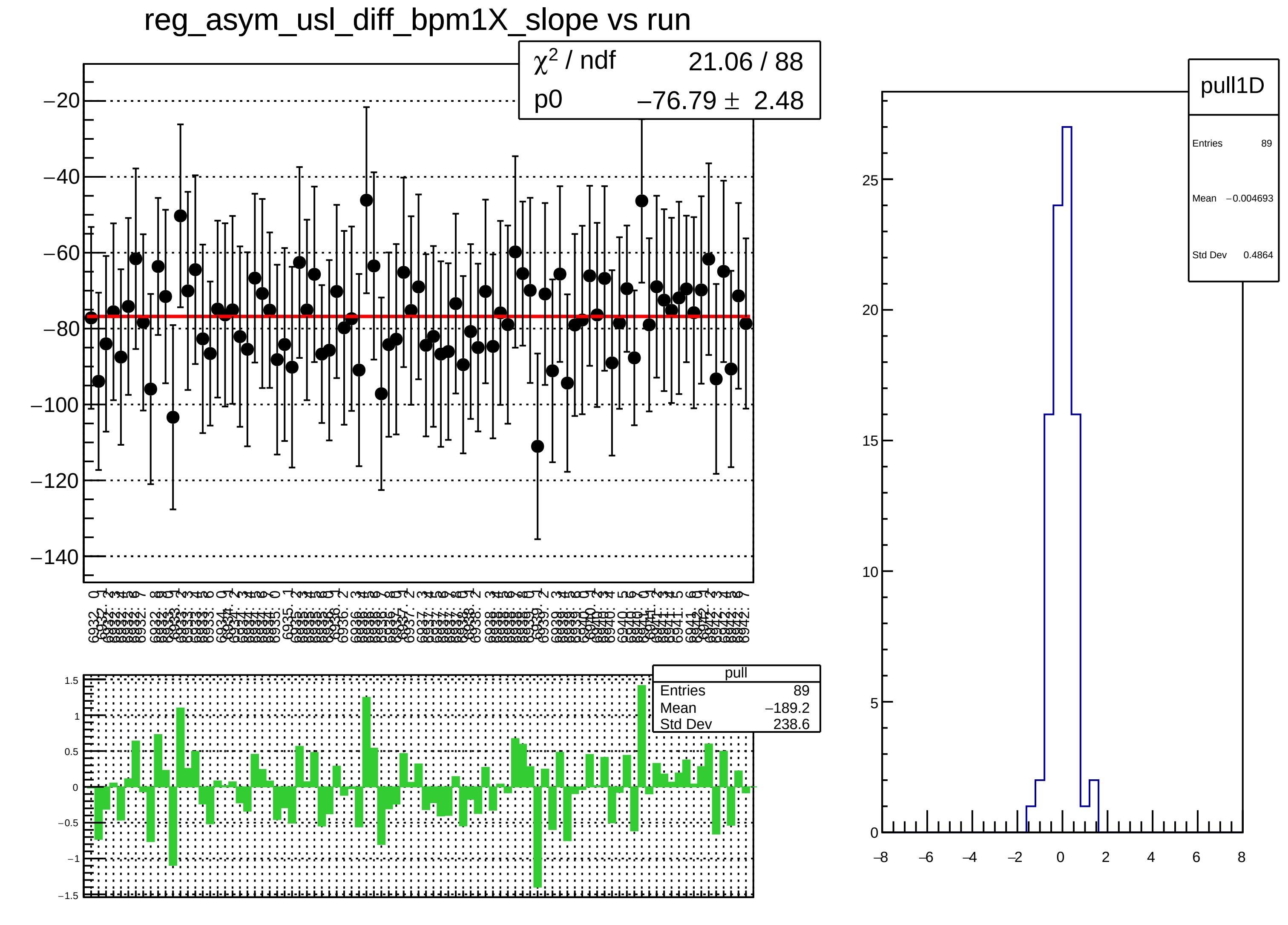

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 108.4 / 88
p0 −35.62 ± 0.3498
pull
Entries 89
Mean −30.58
Std Dev 68.23
pull1D
Entries 89
Mean −0.05618
Std Dev 1.102



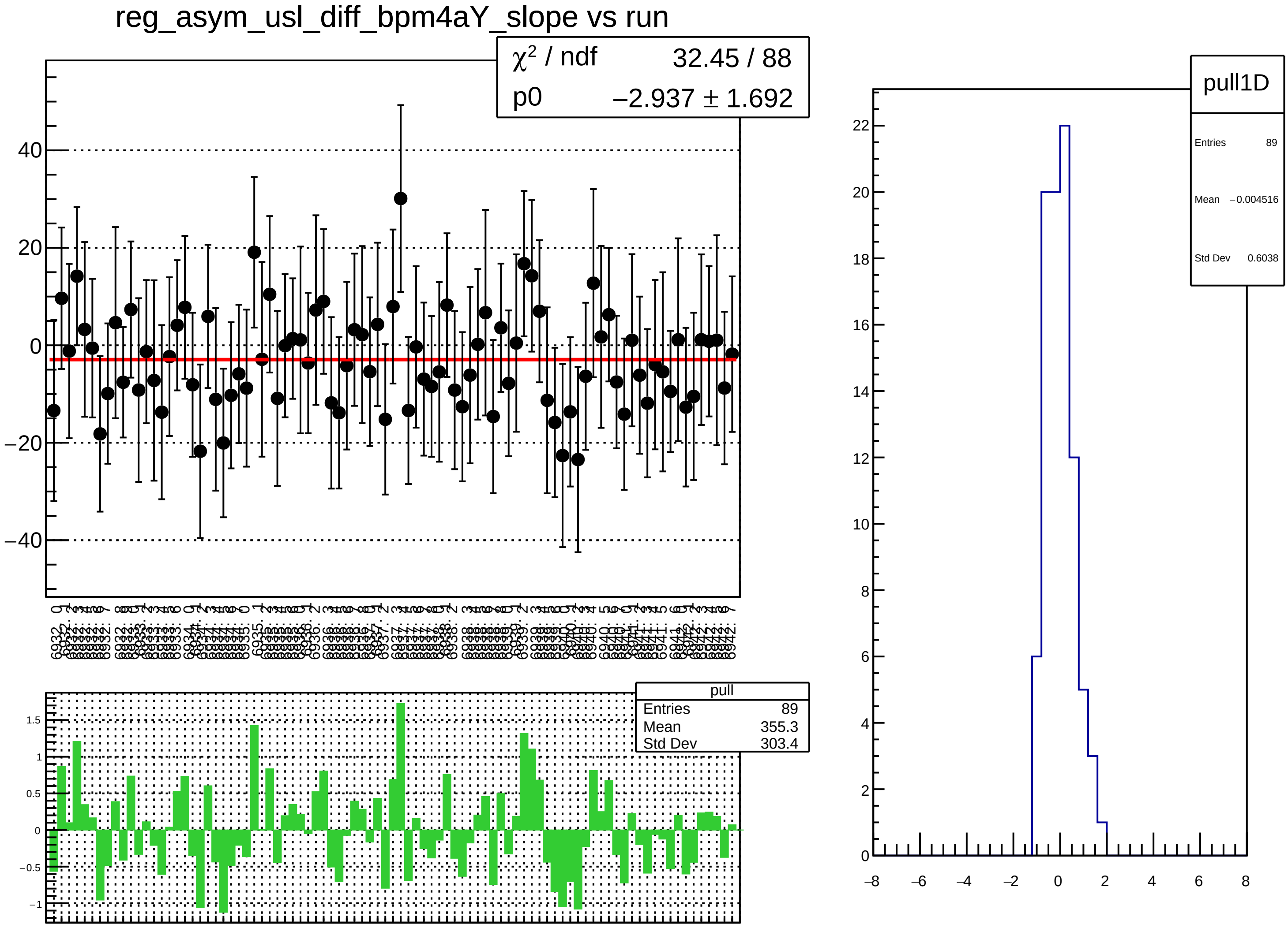
reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 80.35 / 88
p0 40.47 ± 0.2967
pull
Entries 89
Mean 688.9
Std Dev 641.3
pull1D
Entries 89
Mean −0.009613
Std Dev 0.9501

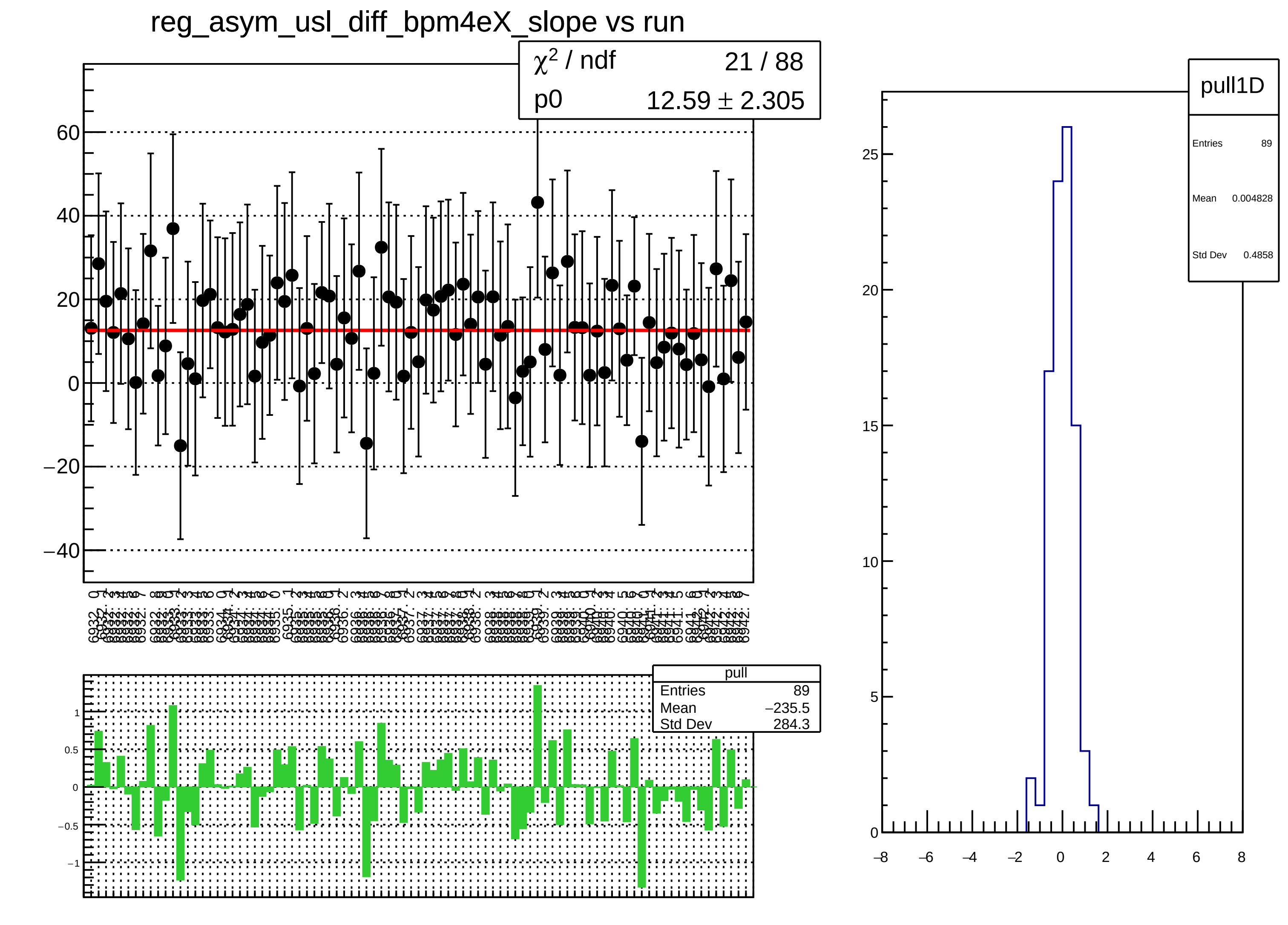
reg_asym_sam8_diff_bpm12X_slope vs run



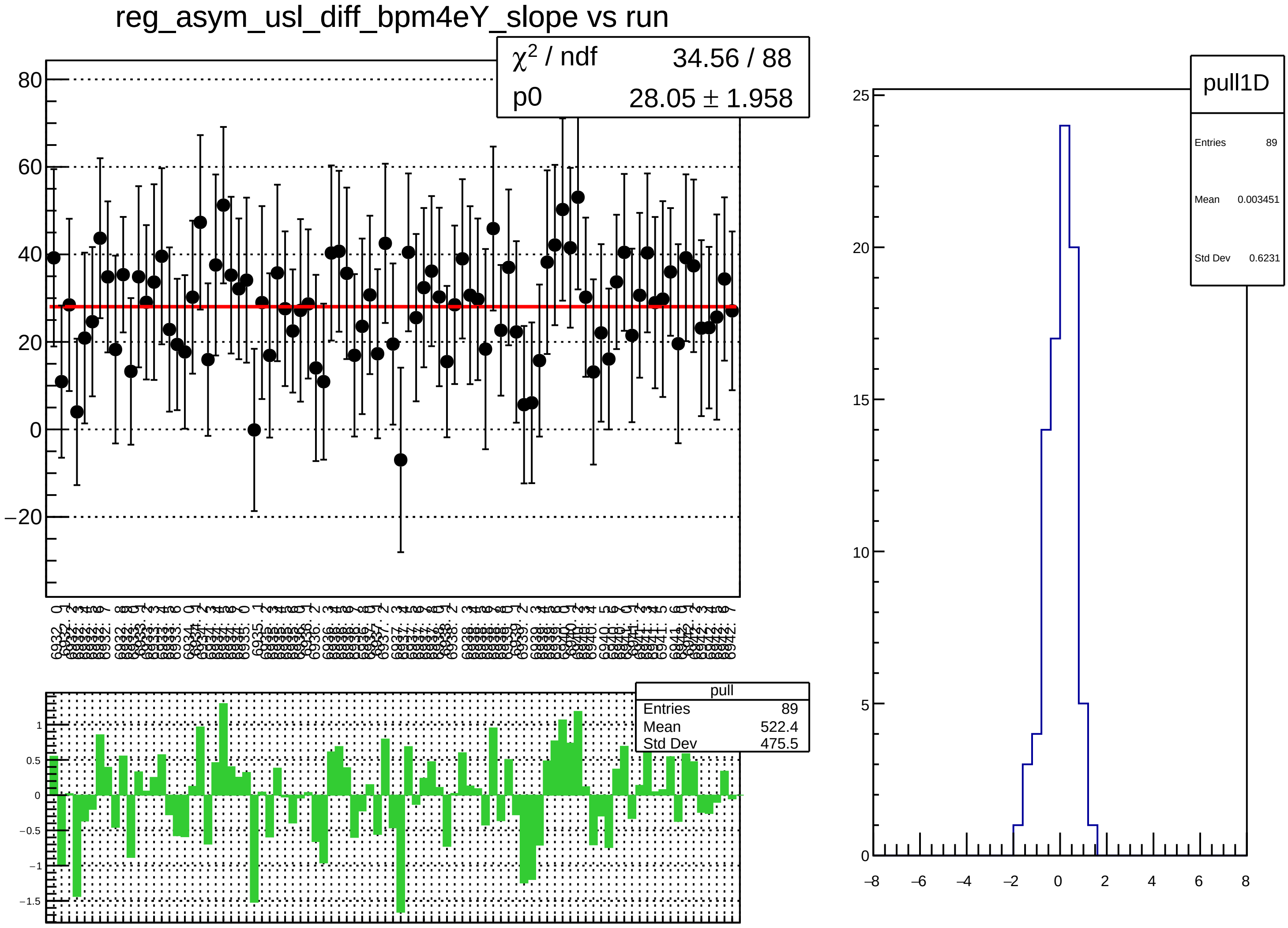


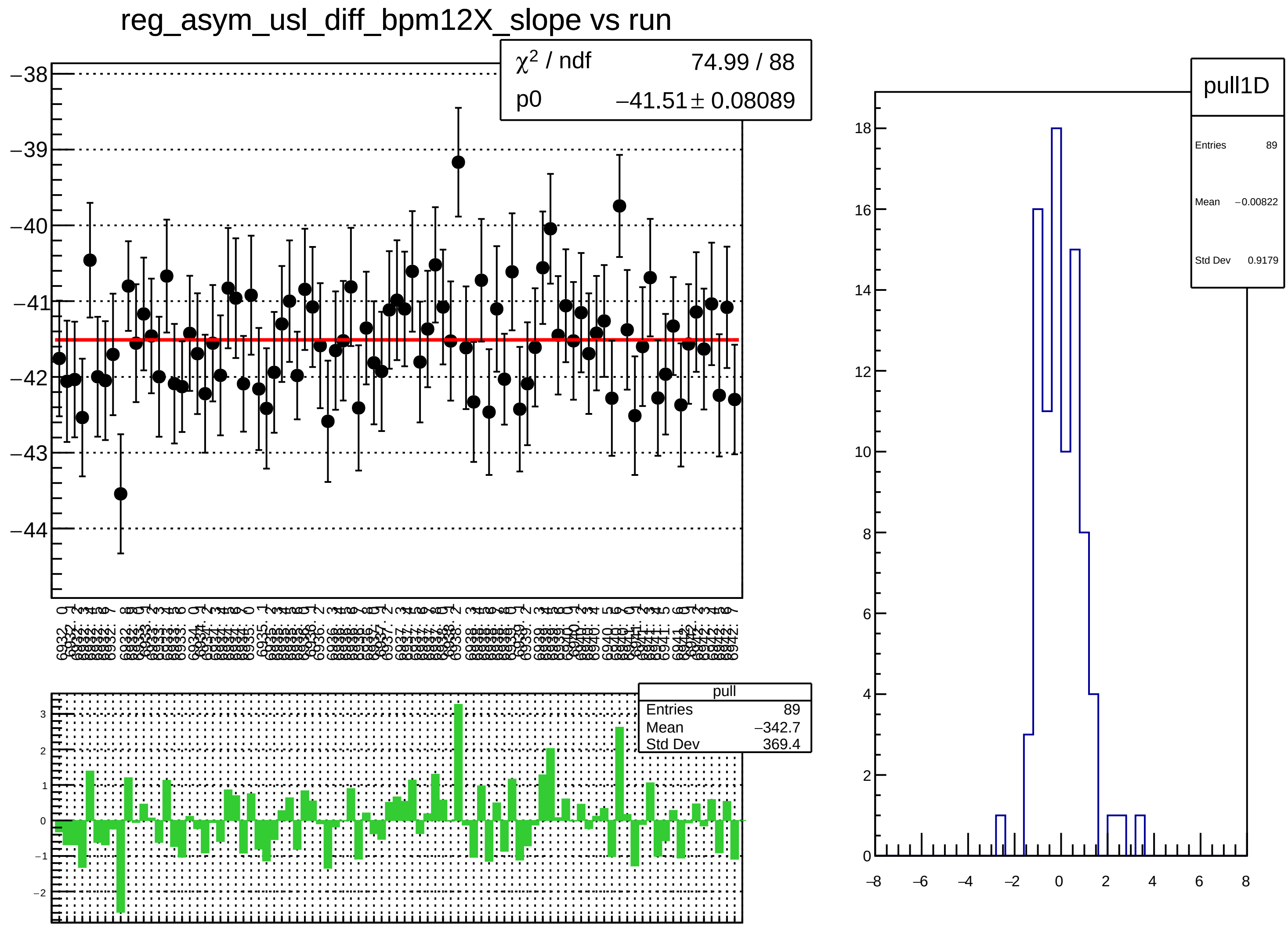
reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 21.06 / 88
p0 −76.79 ± 2.48
pull
Entries 89
Mean −189.2
Std Dev 238.6
pull1D
Entries 89
Mean −0.004693
Std Dev 0.4864


reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 32.45 / 88
p0 −2.937 ± 1.692
pull
Entries 89
Mean 355.3
Std Dev 303.4
pull1D
Entries 89
Mean −0.004516
Std Dev 0.6038

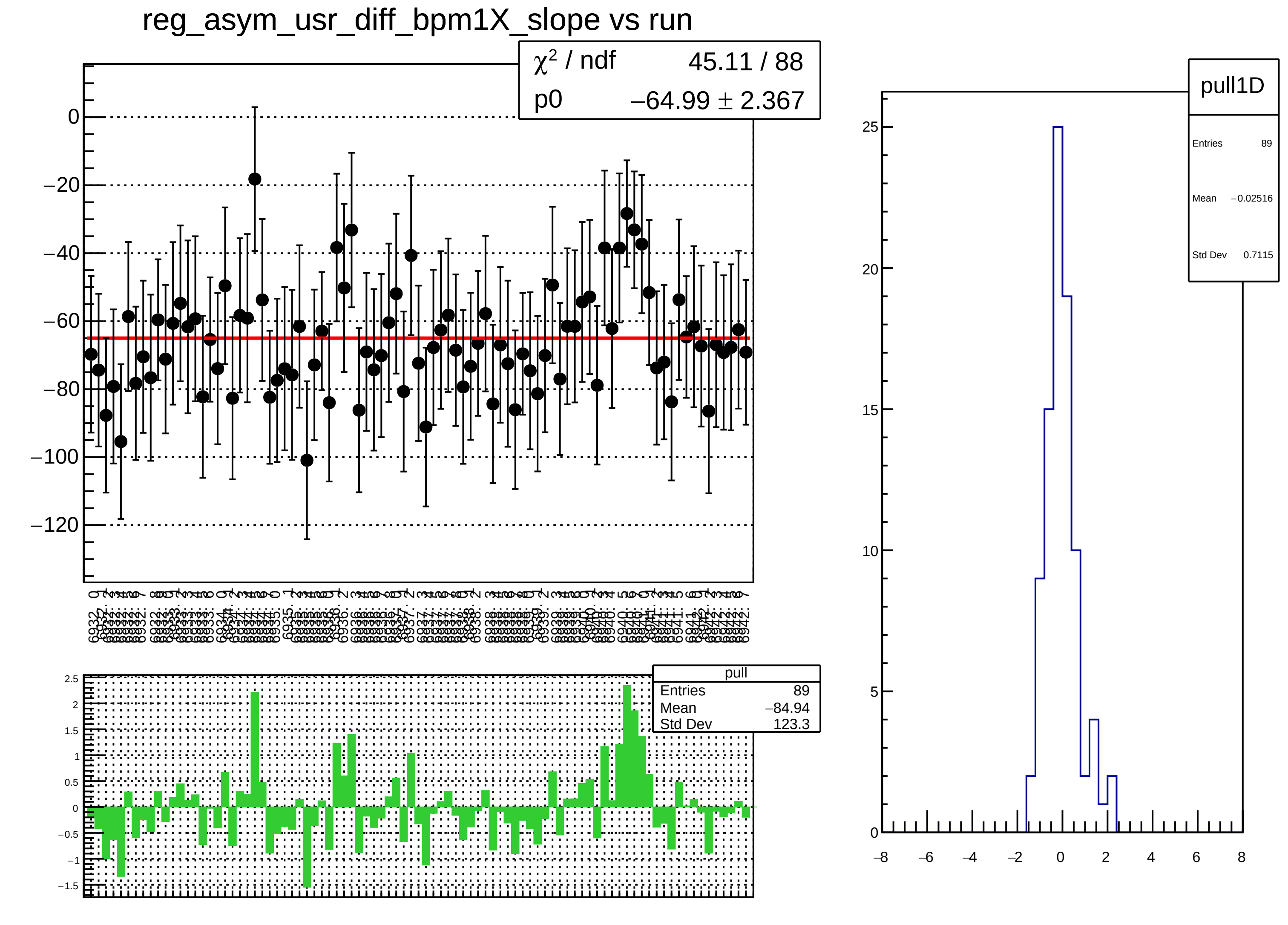


reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 21 / 88
p0 12.59 ± 2.305
pull
Entries 89
Mean −235.5
Std Dev 284.3
pull1D
Entries 89
Mean 0.004828
Std Dev 0.4858

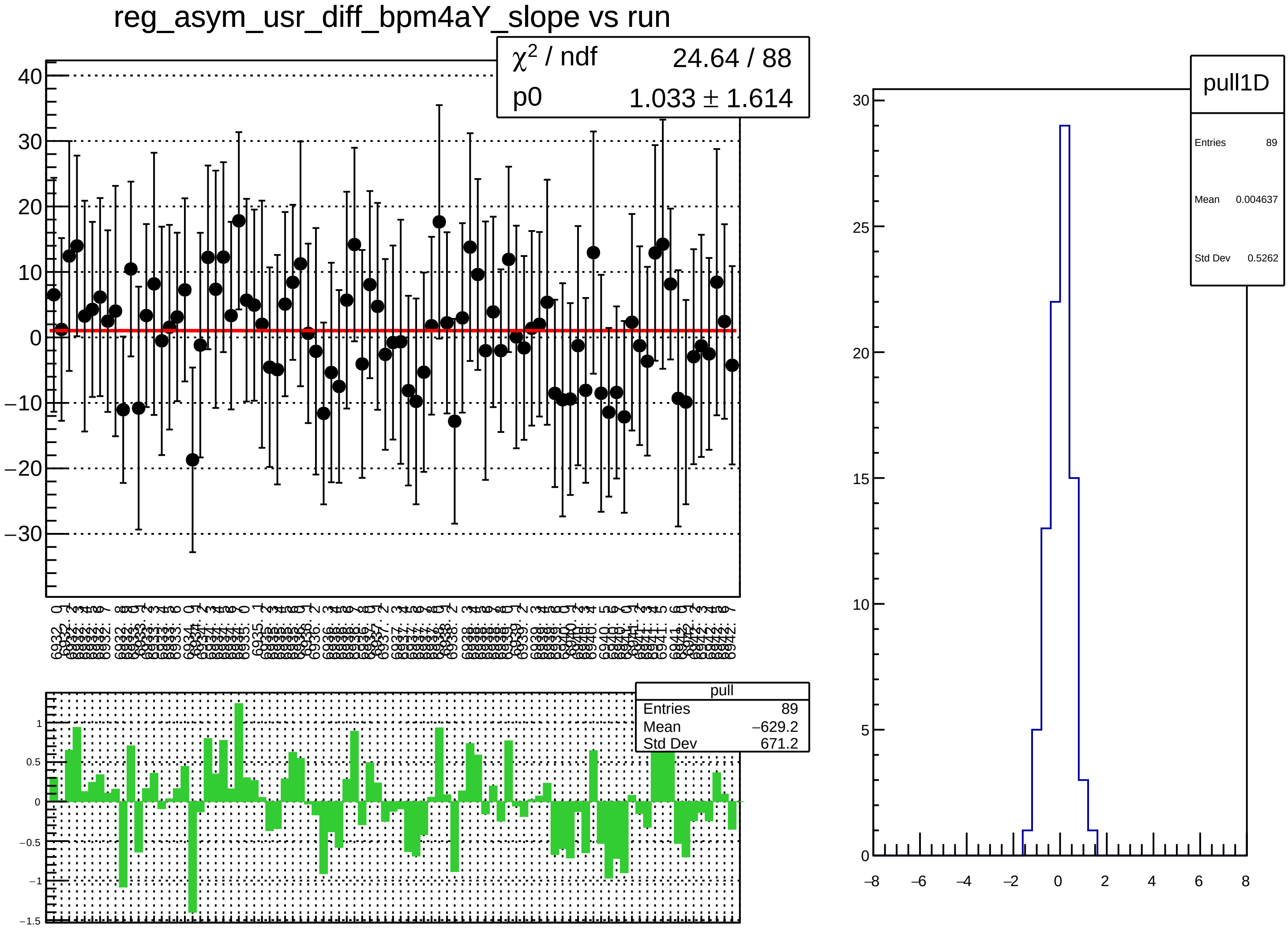

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 34.56 / 88
p0 28.05 ± 1.958
pull
Entries 89
Mean 522.4
Std Dev 475.5
pull1D
Entries 89
Mean 0.003451
Std Dev 0.6231



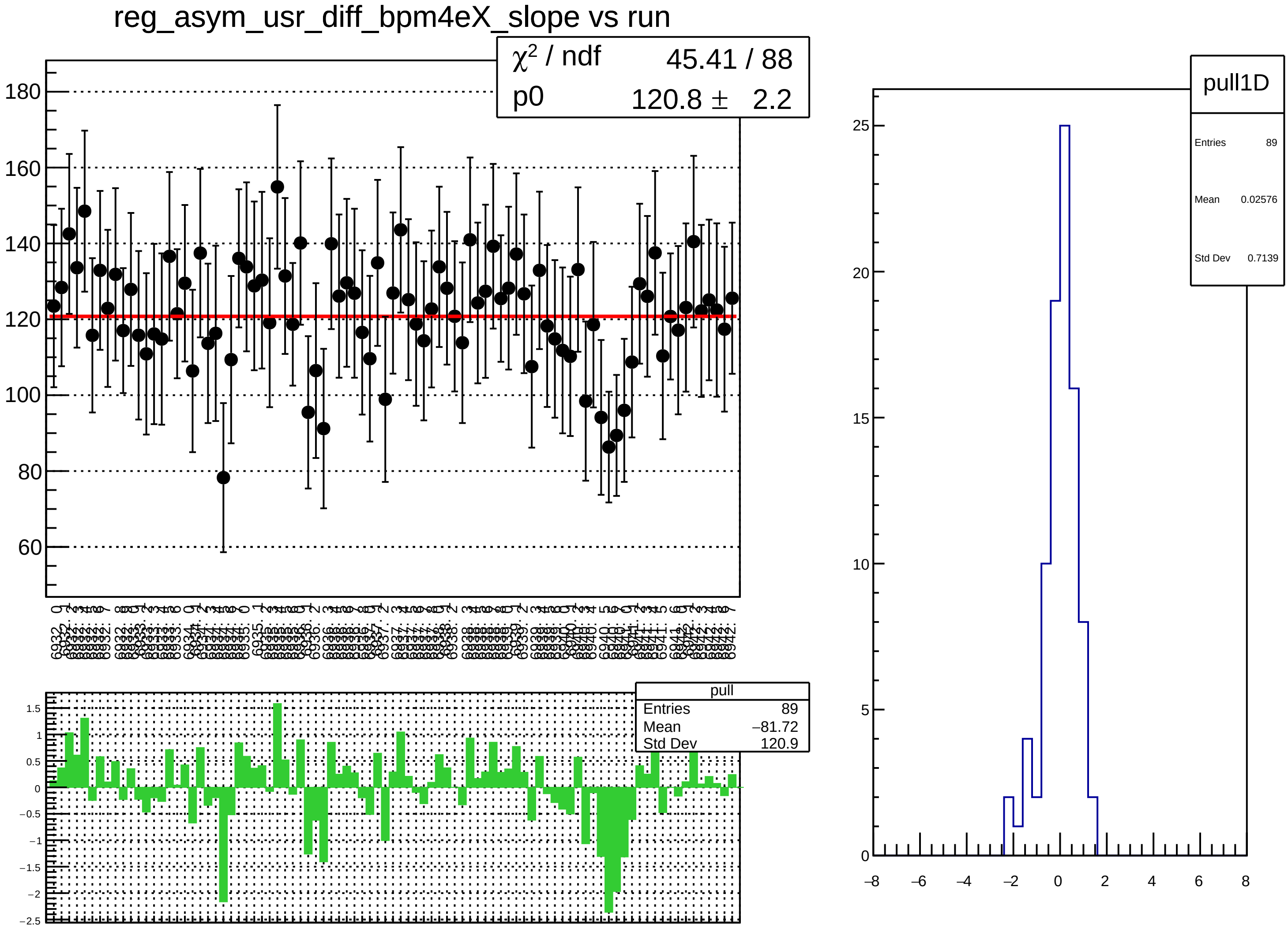
reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 74.99 / 88
p0 −41.51 ± 0.08089
pull
Entries 89
Mean −342.7
Std Dev 369.4
pull1D
Entries 89
Mean −0.00822
Std Dev 0.9179



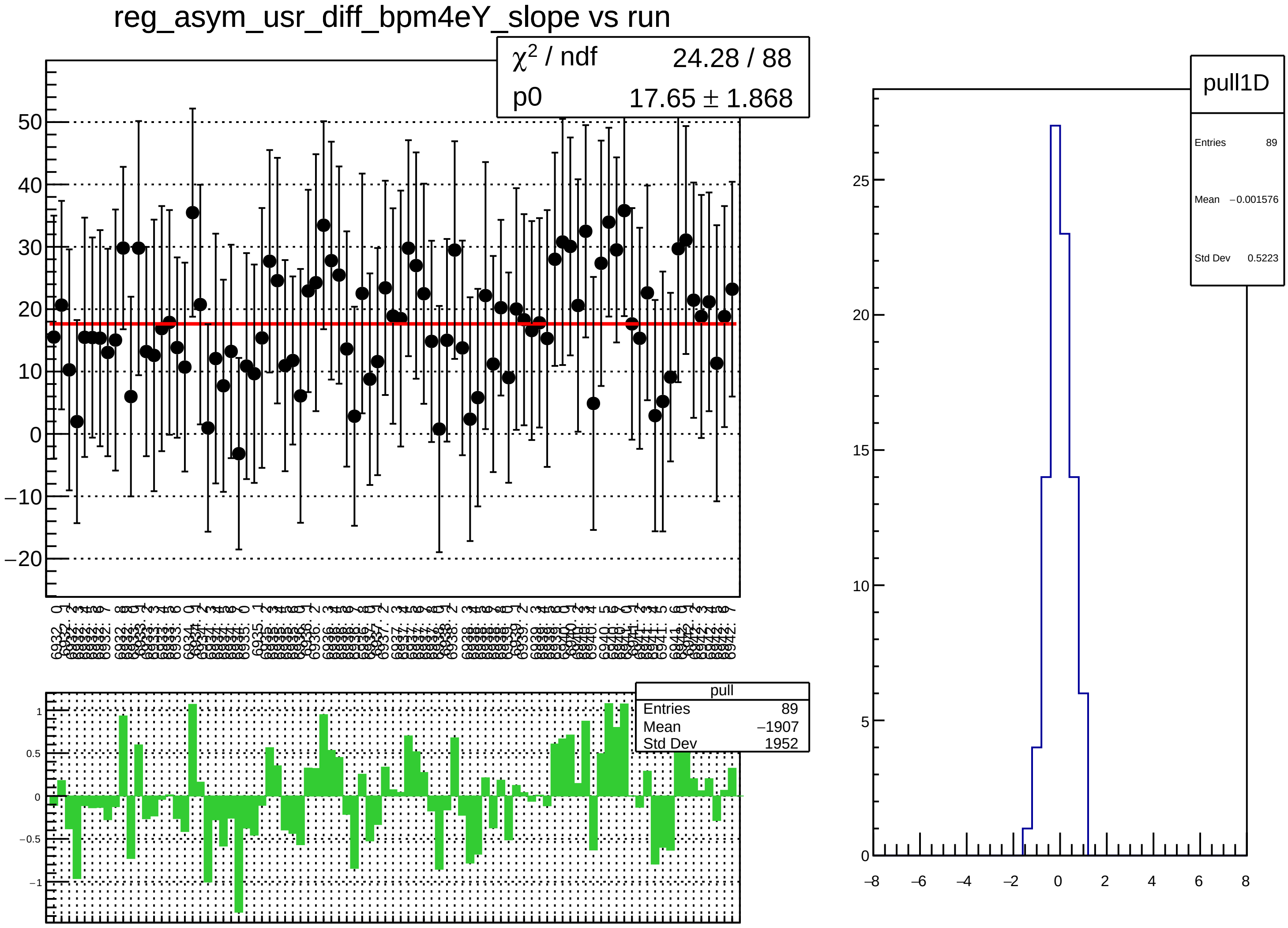
reg_asym_usr_diff_bpm1X_slope vs run
χ2 / ndf 45.11 / 88
p0 −64.99 ± 2.367
pull
Entries 89
Mean −84.94
Std Dev 123.3
pull1D
Entries 89
Mean −0.02516
Std Dev 0.7115



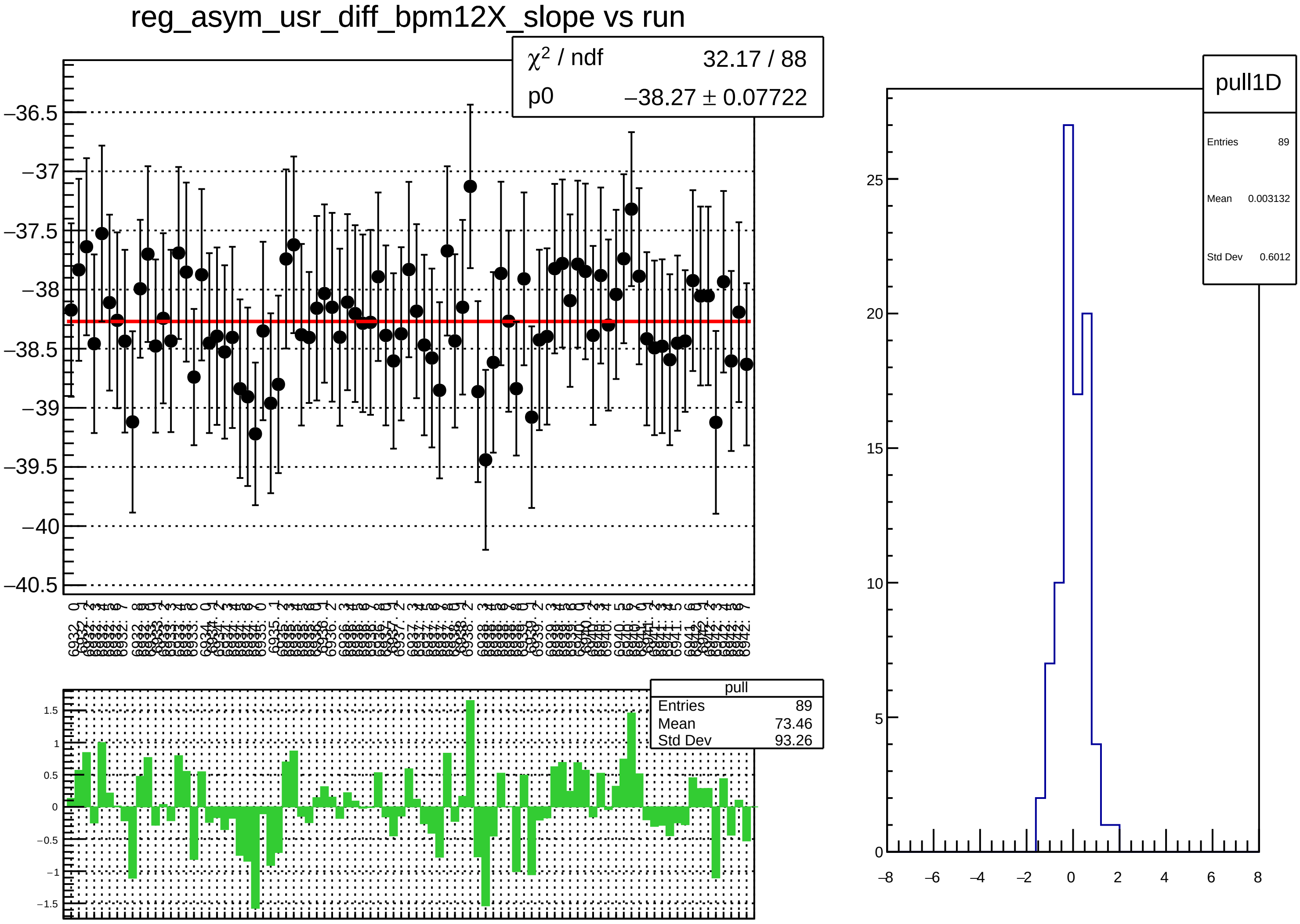
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 24.64 / 88
p0 1.033 ± 1.614
pull
Entries 89
Mean −629.2
Std Dev 671.2
pull1D
Entries 89
Mean 0.004637
Std Dev 0.5262



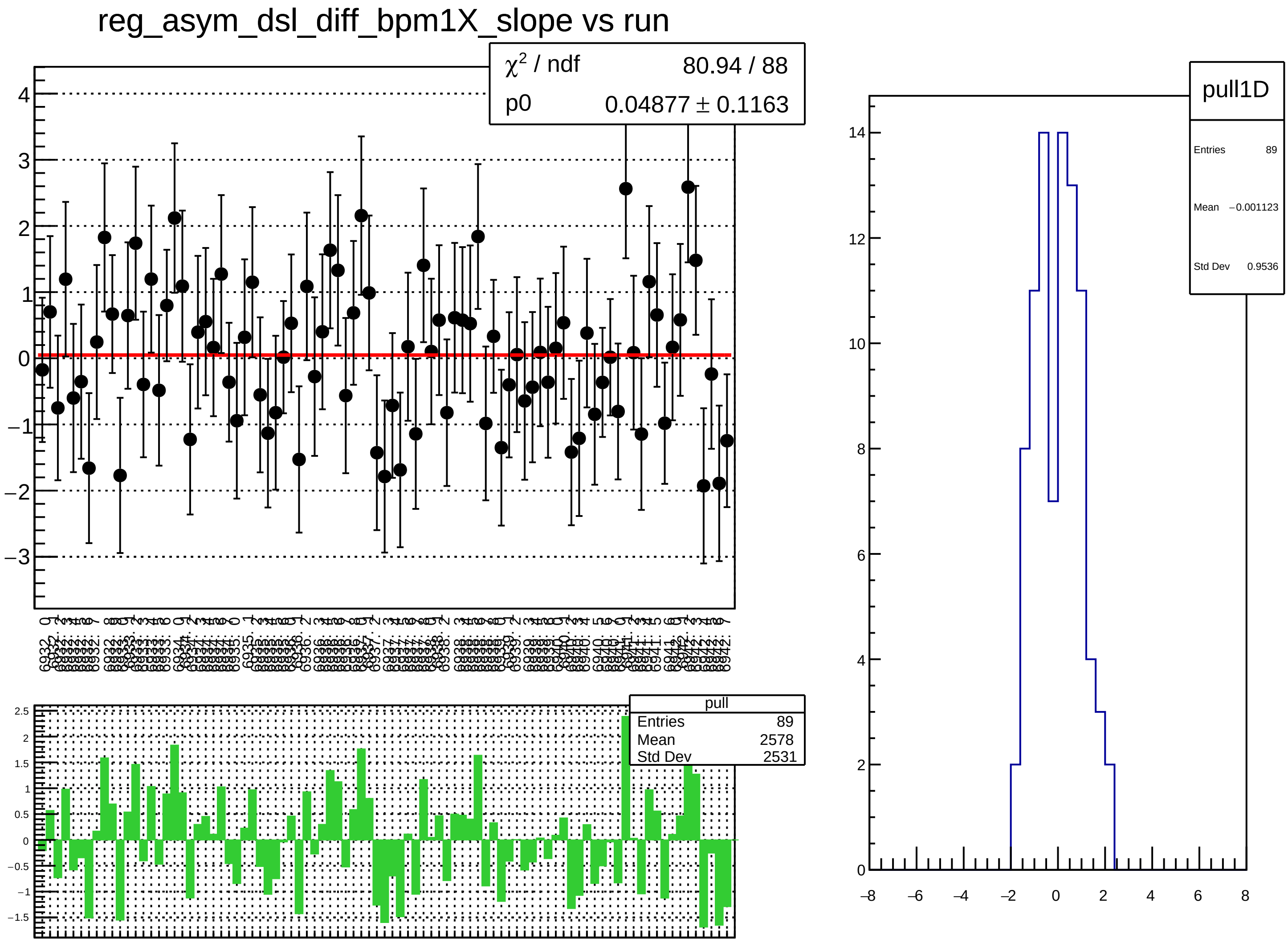
reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 45.41 / 88
p0 120.8 ± 2.2
pull
Entries 89
Mean −81.72
Std Dev 120.9
pull1D
Entries 89
Mean 0.02576
Std Dev 0.7139

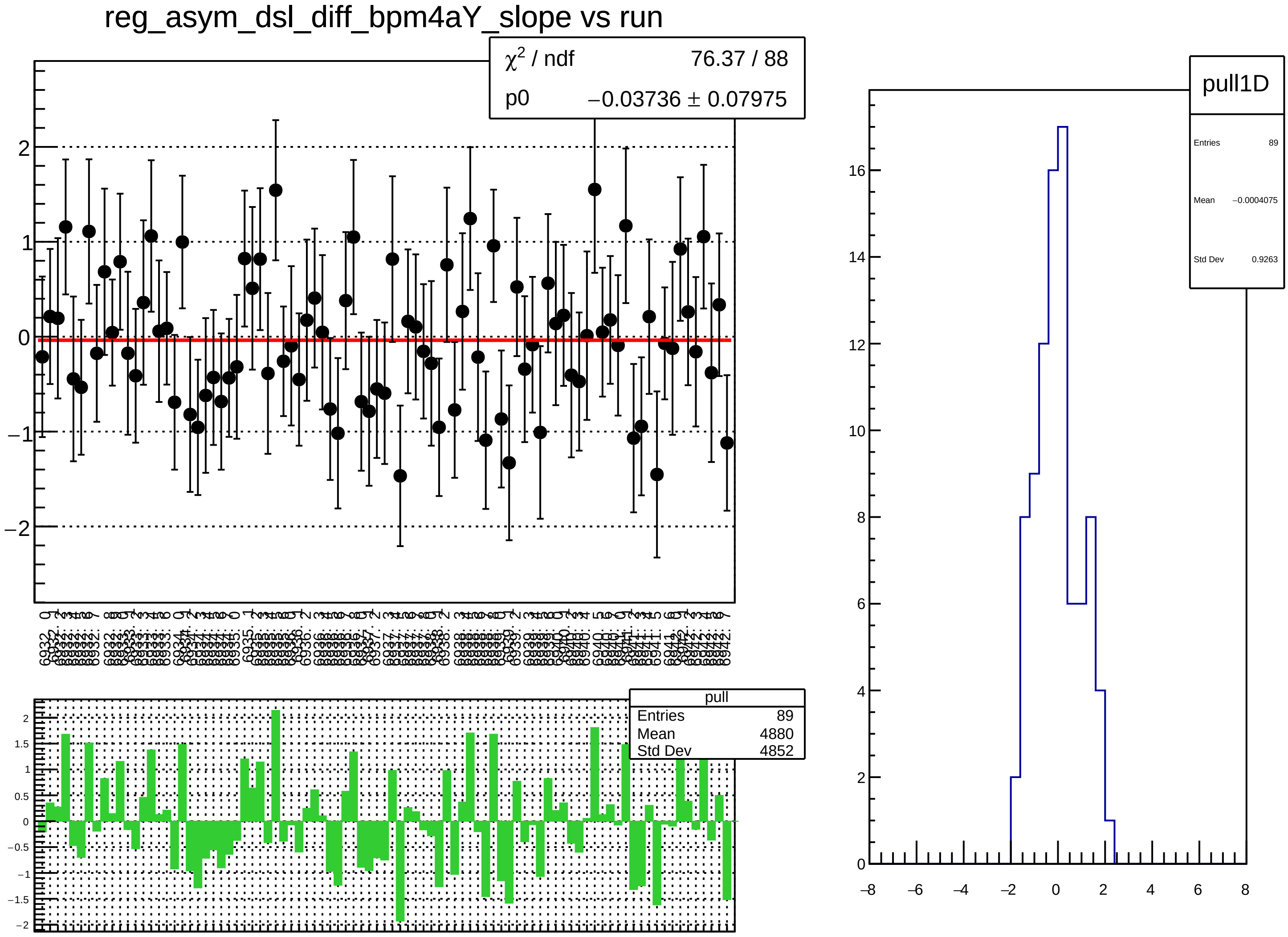


reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 24.28 / 88
p0 17.65 ± 1.868
pull
Entries 89
Mean −1907
Std Dev 1952
pull1D
Entries 89
Mean −0.001576
Std Dev 0.5223

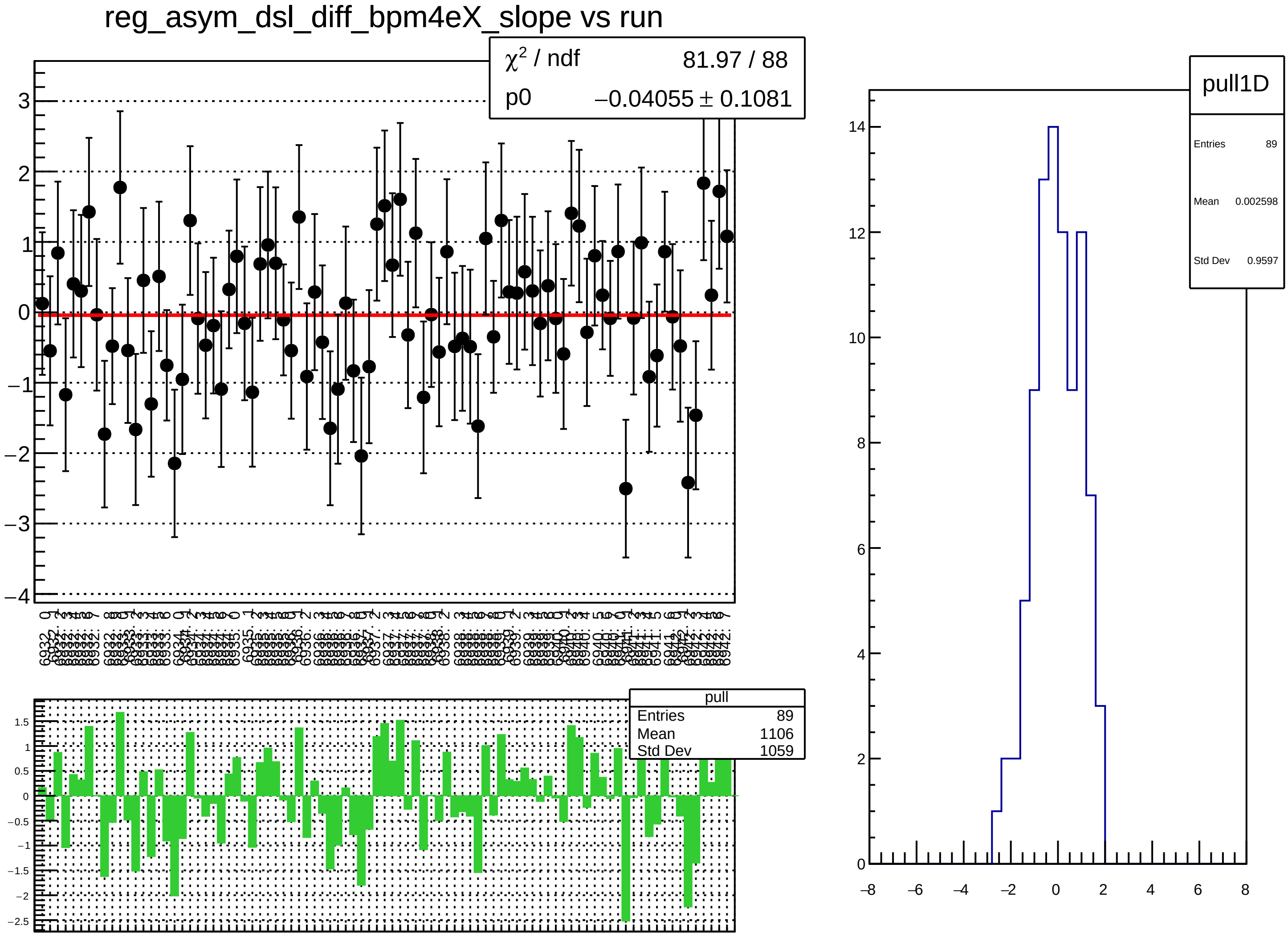


reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 32.17 / 88
p0 −38.27 ± 0.07722
pull
Entries 89
Mean 73.46
Std Dev 93.26
pull1D
Entries 89
Mean 0.003132
Std Dev 0.6012

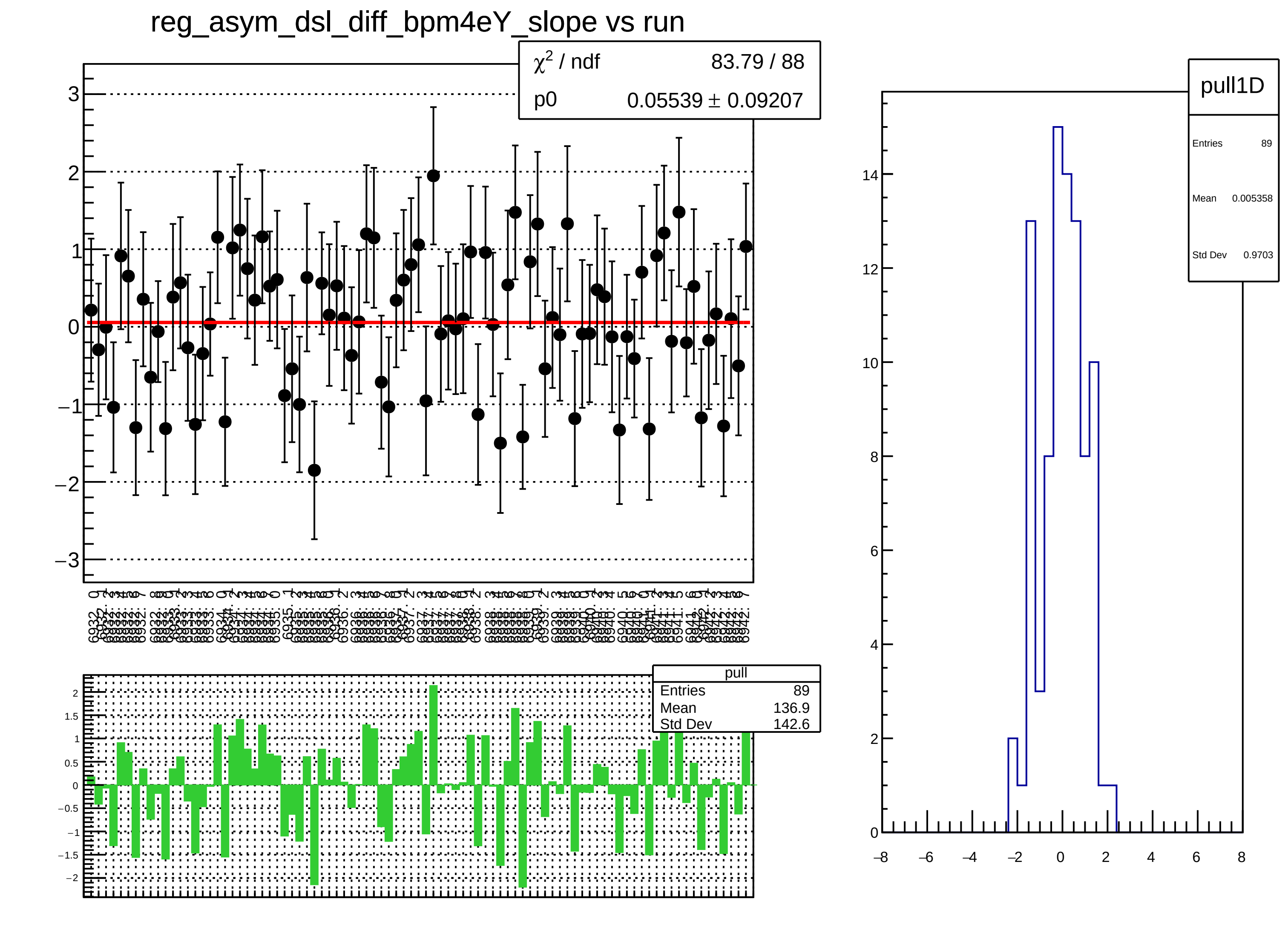

reg_asym_dsl_diff_bpm1X_slope vs run
χ2 / ndf 80.94 / 88
p0 0.04877 ± 0.1163
pull
Entries 89
Mean 2578
Std Dev 2531
pull1D
Entries 89
Mean −0.001123
Std Dev 0.9536



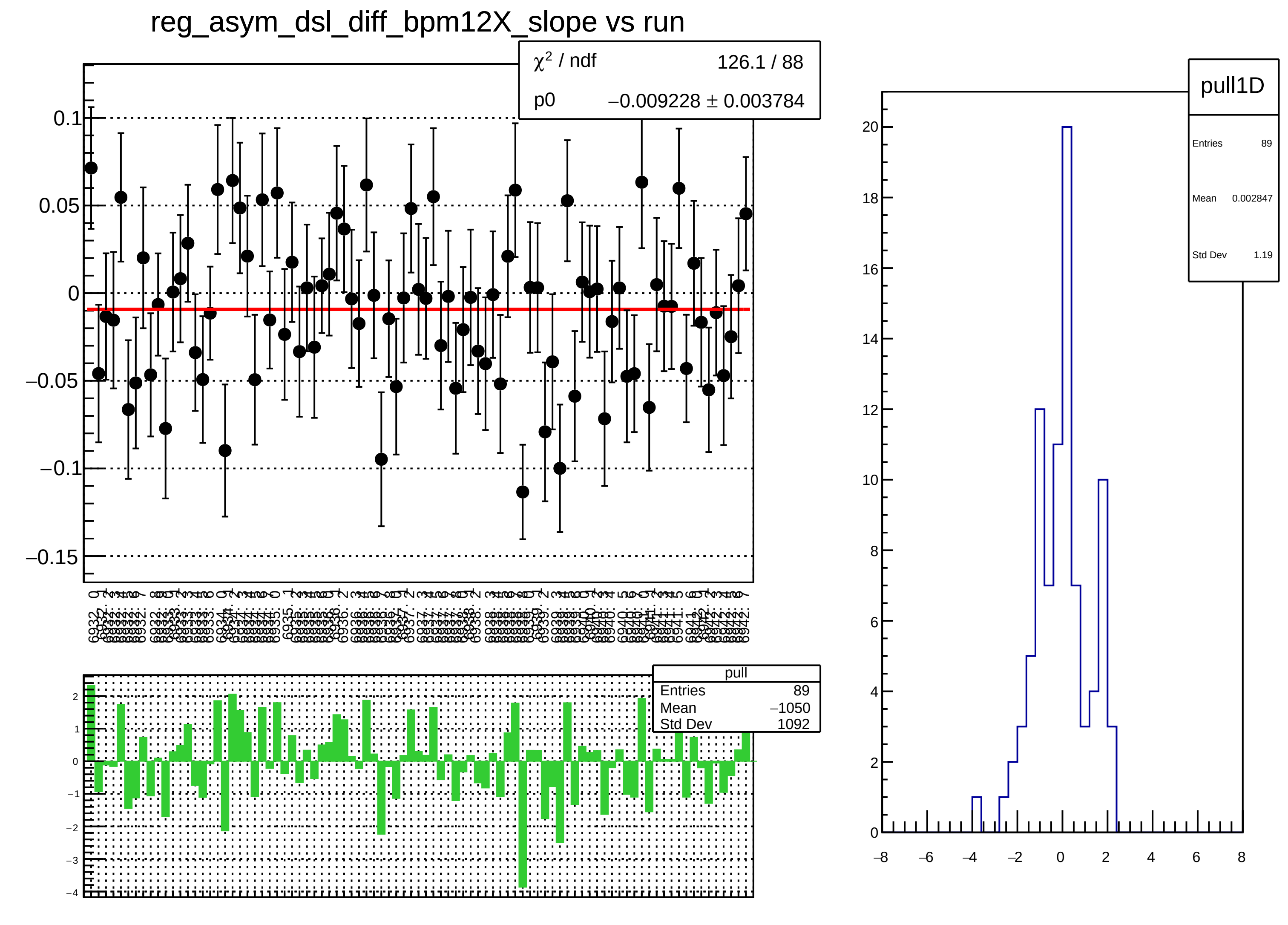
reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 76.37 / 88
p0 −0.03736 ± 0.07975
pull
Entries 89
Mean 4880
Std Dev 4852
pull1D
Entries 89
Mean −0.0004075
Std Dev 0.9263

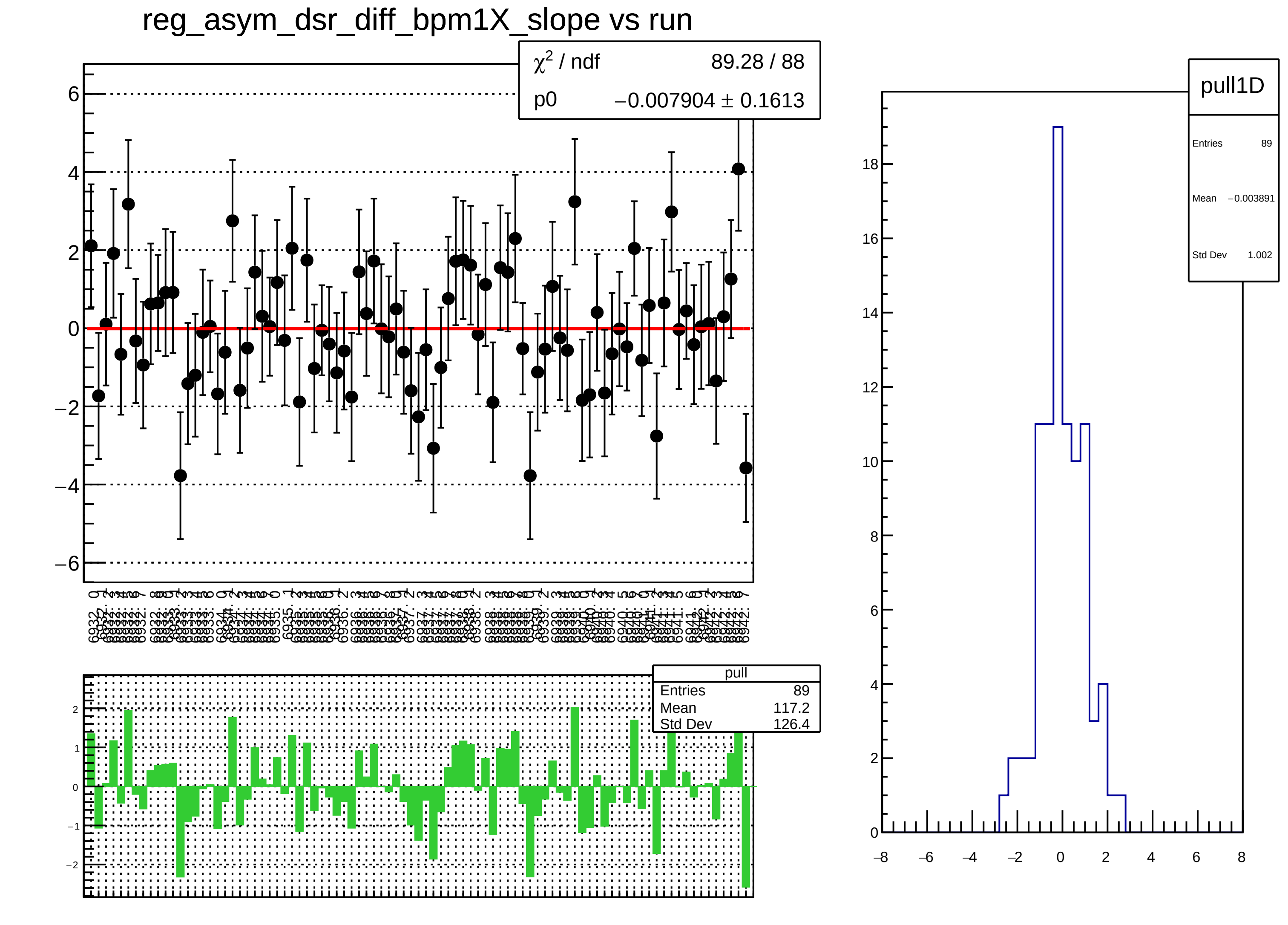


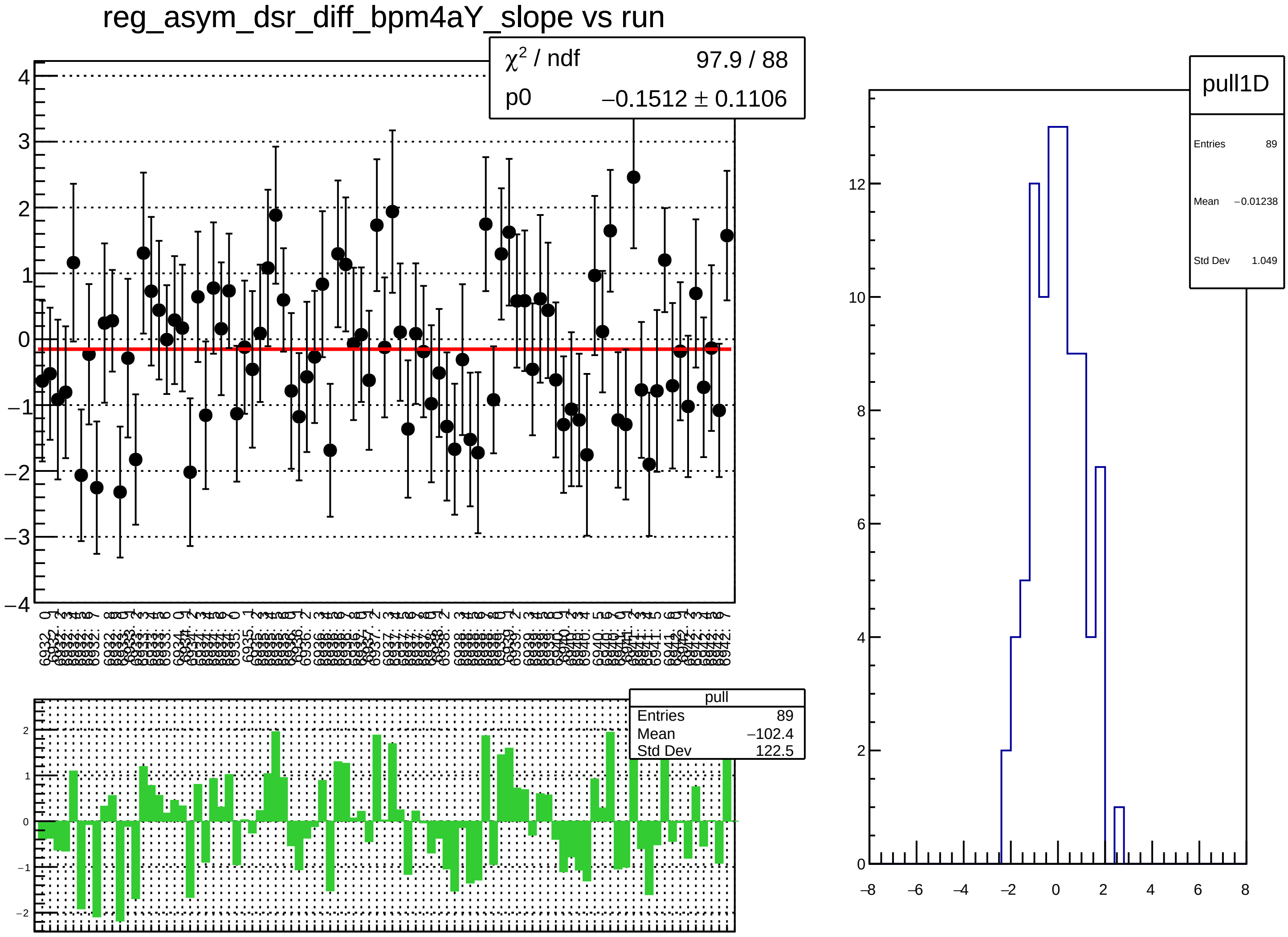
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 81.97 / 88
p0 −0.04055 ± 0.1081
pull
Entries 89
Mean 1106
Std Dev 1059
pull1D
Entries 89
Mean 0.002598
Std Dev 0.9597



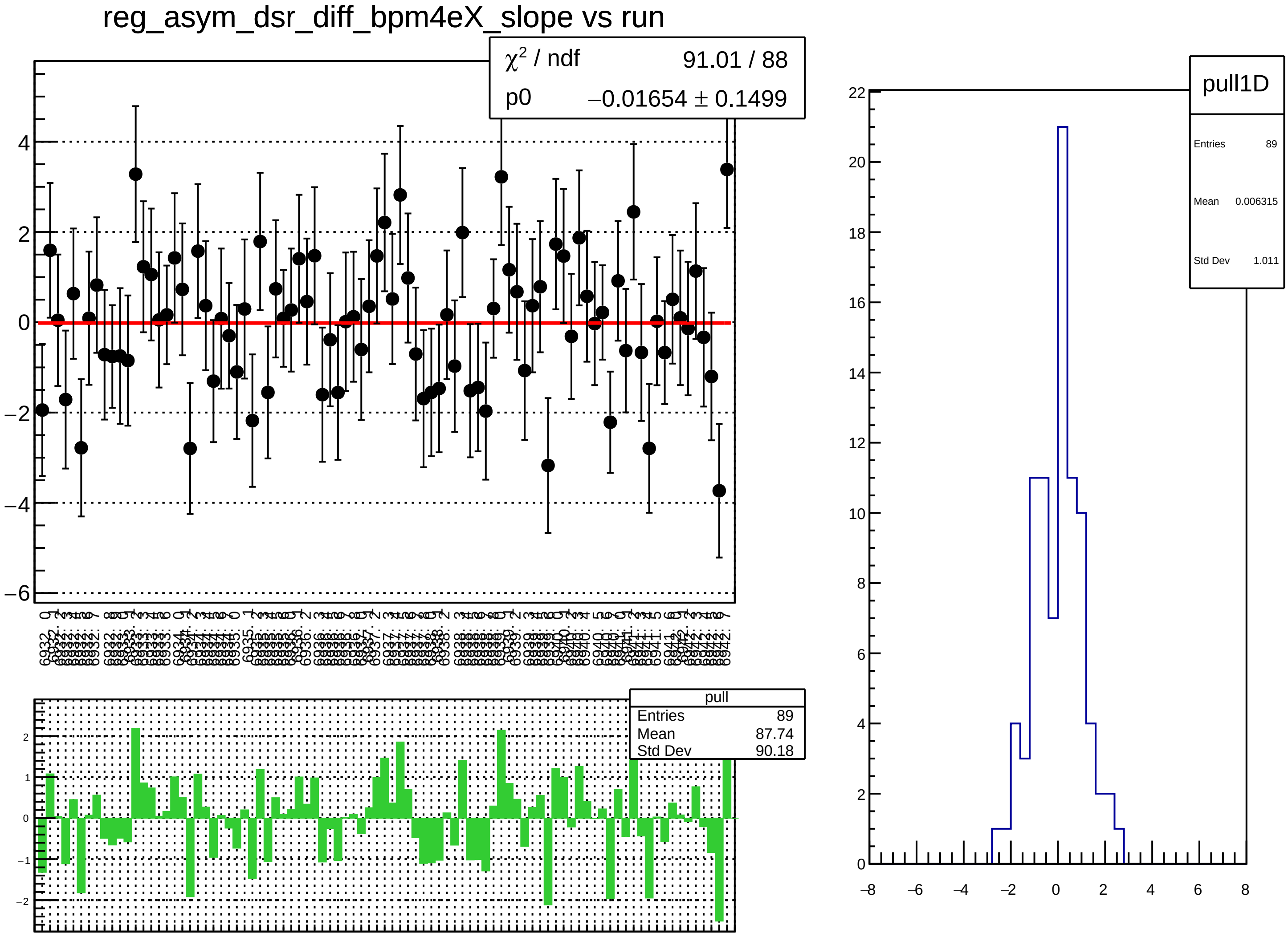
reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 83.79 / 88
p0 0.05539 ± 0.09207
pull
Entries 89
Mean 136.9
Std Dev 142.6
pull1D
Entries 89
Mean 0.005358
Std Dev 0.9703


reg_asym_dsl_diff_bpm12X_slope vs run
χ^2 / ndf 126.1 / 88
p0 −0.009228 ± 0.003784
pull
Entries 89
Mean −1050
Std Dev 1092
pull1D
Entries 89
Mean 0.002847
Std Dev 1.19

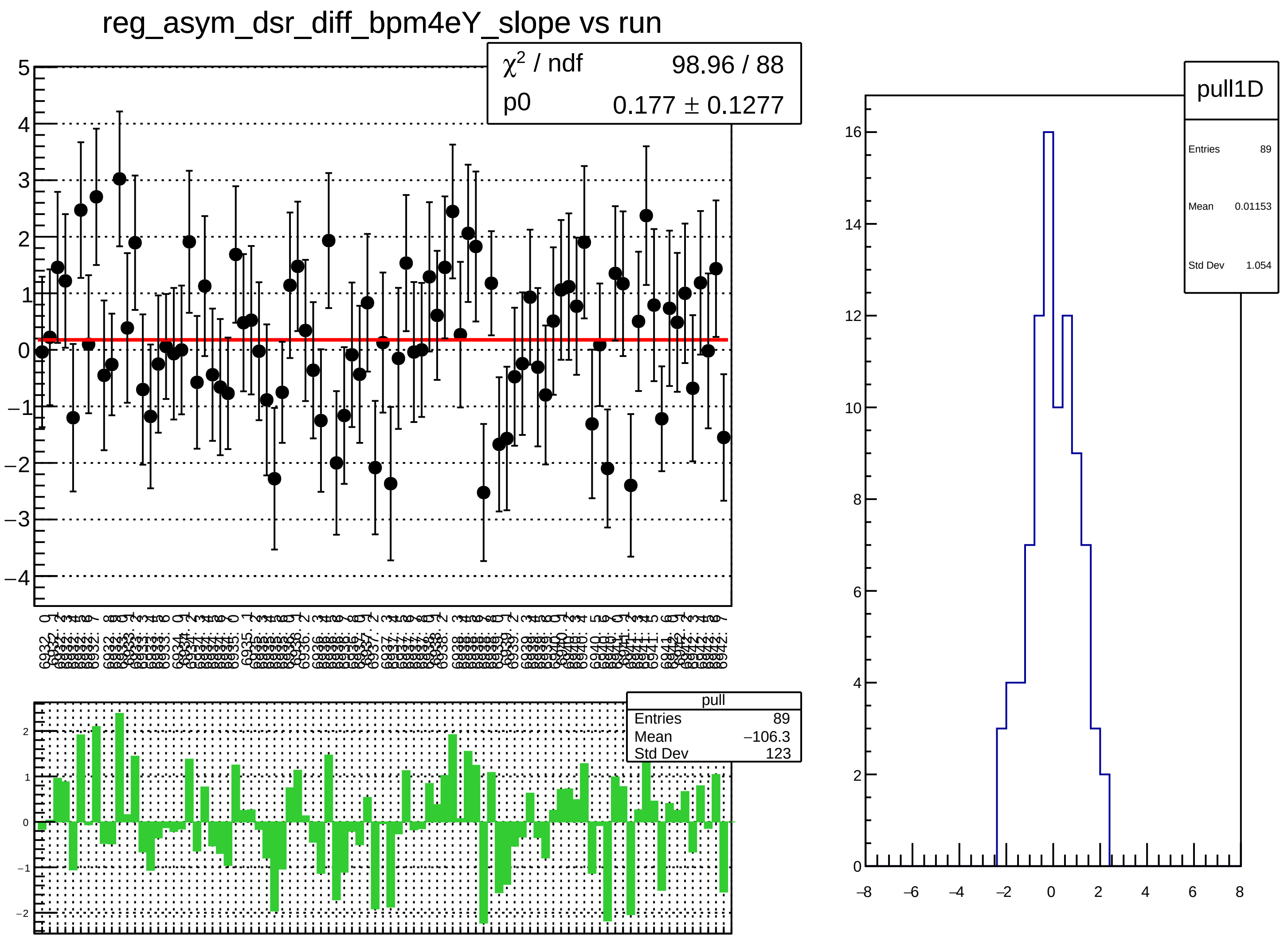

reg_asym_dsr_diff_bpm1X_slope vs run
χ^2 / ndf 89.28 / 88
p0 −0.007904 ± 0.1613
pull
Entries 89
Mean 117.2
Std Dev 126.4
pull1D
Entries 89
Mean −0.003891
Std Dev 1.002



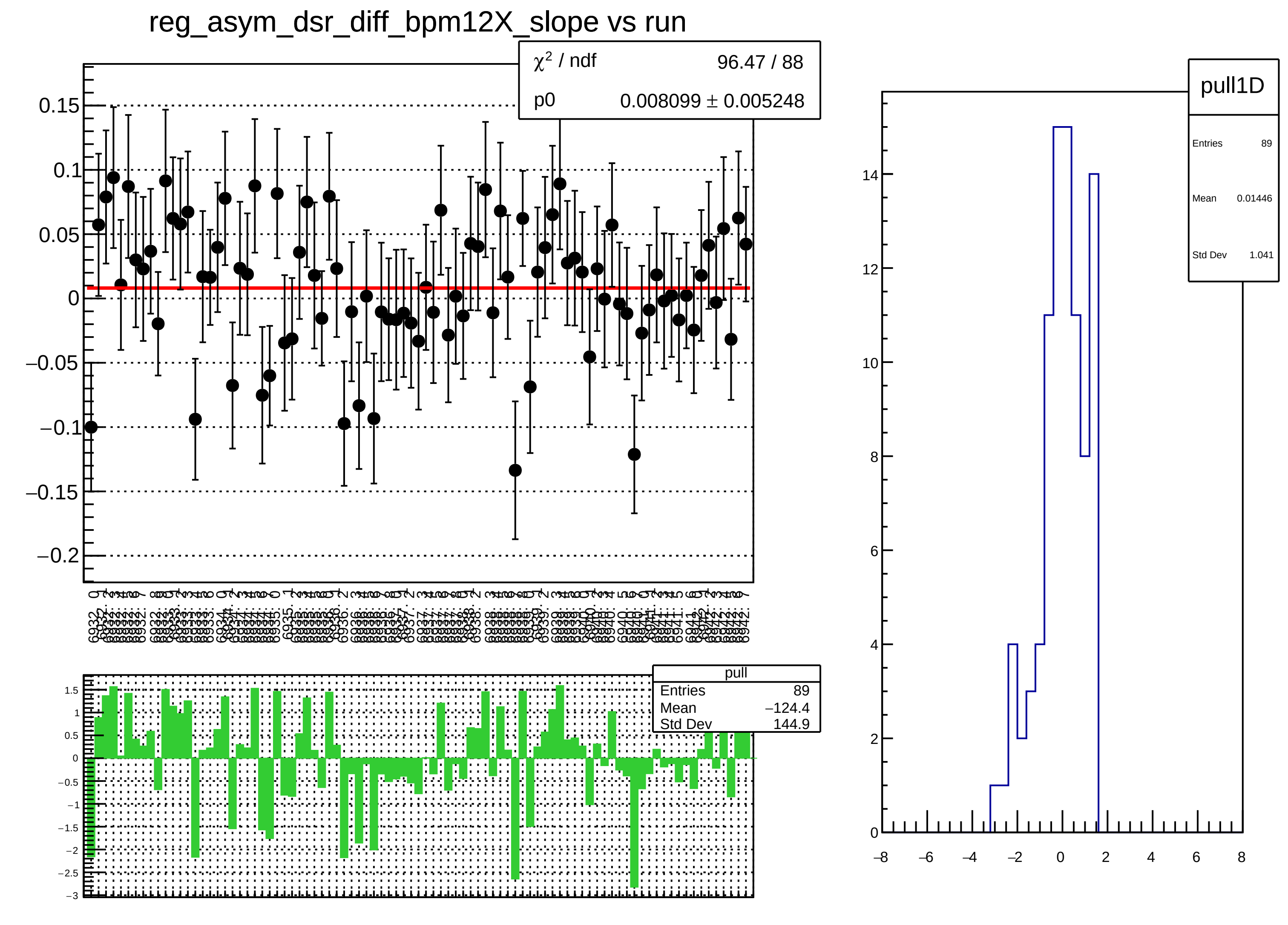
reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 97.9 / 88
p0 −0.1512 ± 0.1106
pull
Entries 89
Mean −102.4
Std Dev 122.5
pull1D
Entries 89
Mean −0.01238
Std Dev 1.049



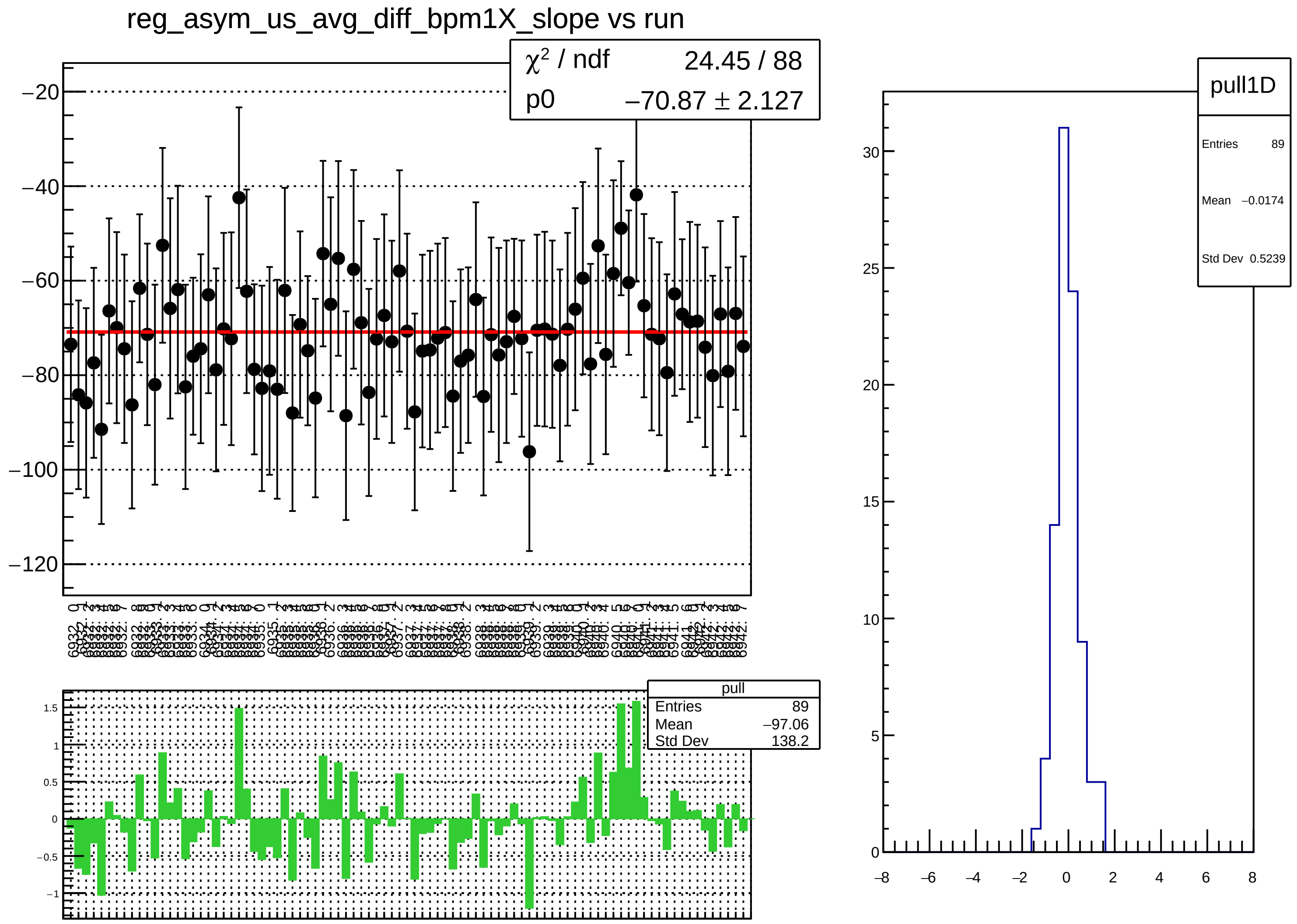
reg_asym_dsr_diff_bpm4eX_slope vs run
χ2 / ndf 91.01 / 88
p0 −0.01654 ± 0.1499
pull
Entries 89
Mean 87.74
Std Dev 90.18
pull1D
Entries 89
Mean 0.006315
Std Dev 1.011



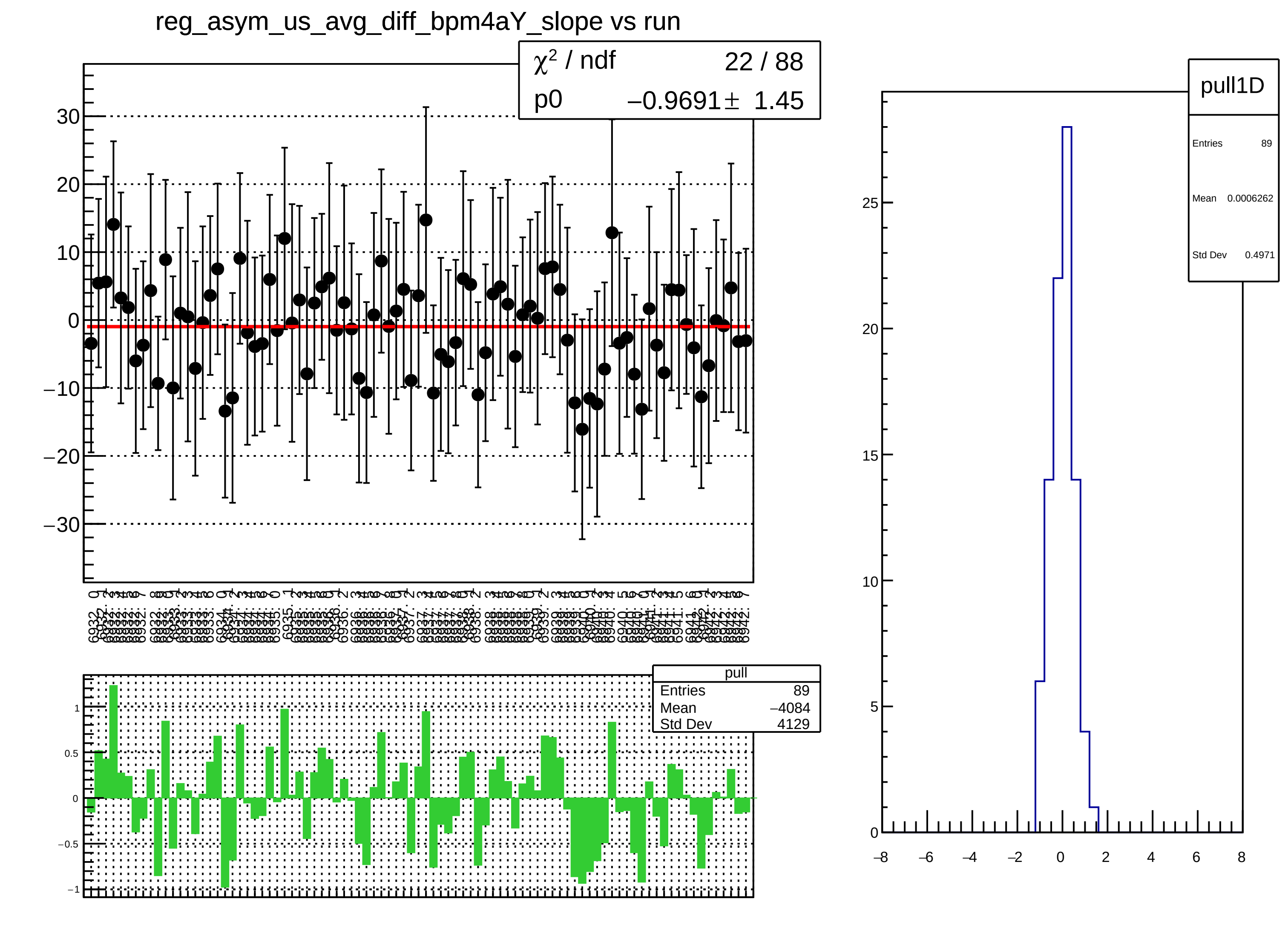
reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 98.96 / 88
p0 0.177 ± 0.1277
pull
Entries 89
Mean −106.3
Std Dev 123
pull1D
Entries 89
Mean 0.01153
Std Dev 1.054



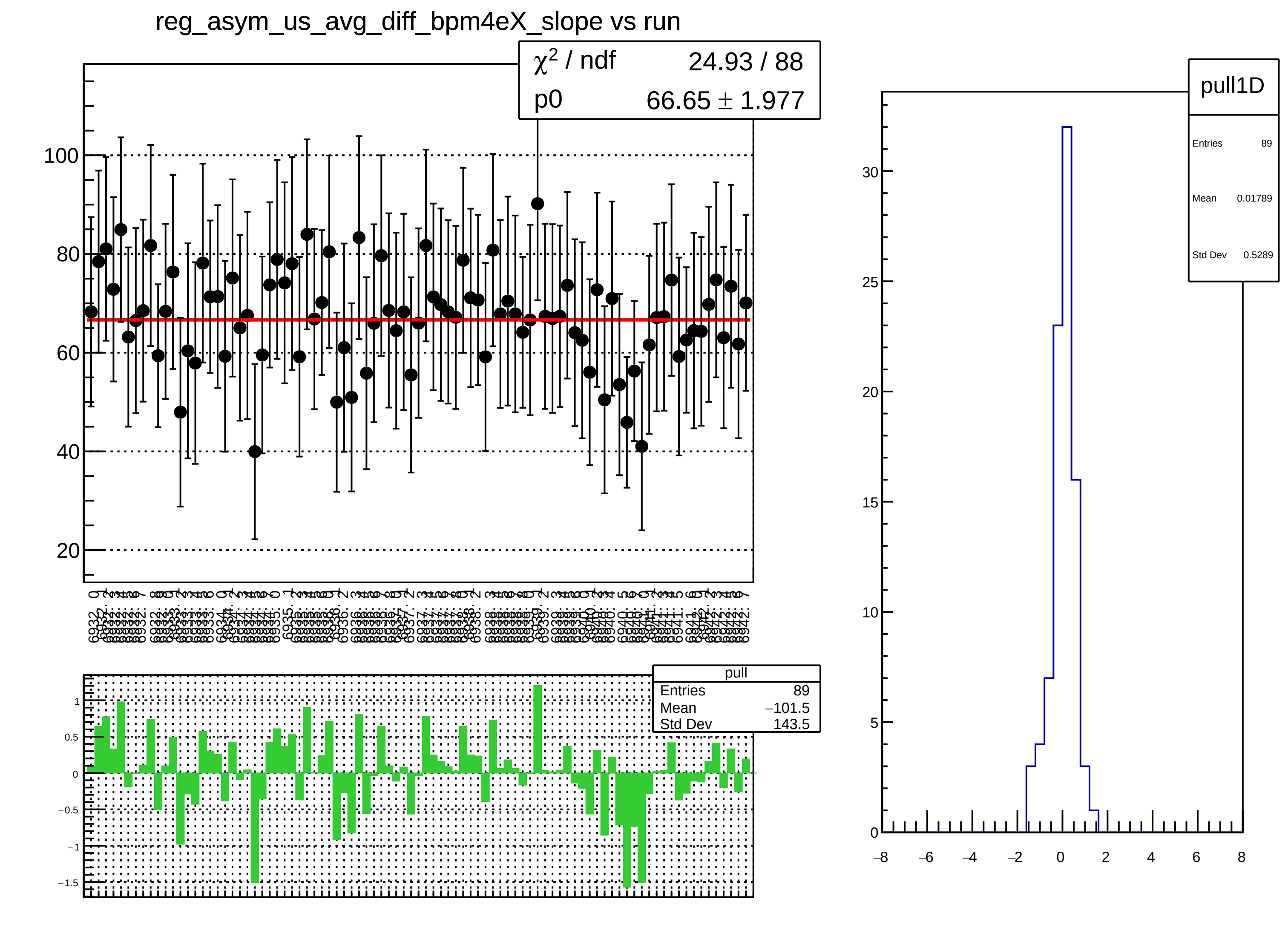
reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 96.47 / 88
p0 0.008099 ± 0.005248
pull
Entries 89
Mean −124.4
Std Dev 144.9
pull1D
Entries 89
Mean 0.01446
Std Dev 1.041



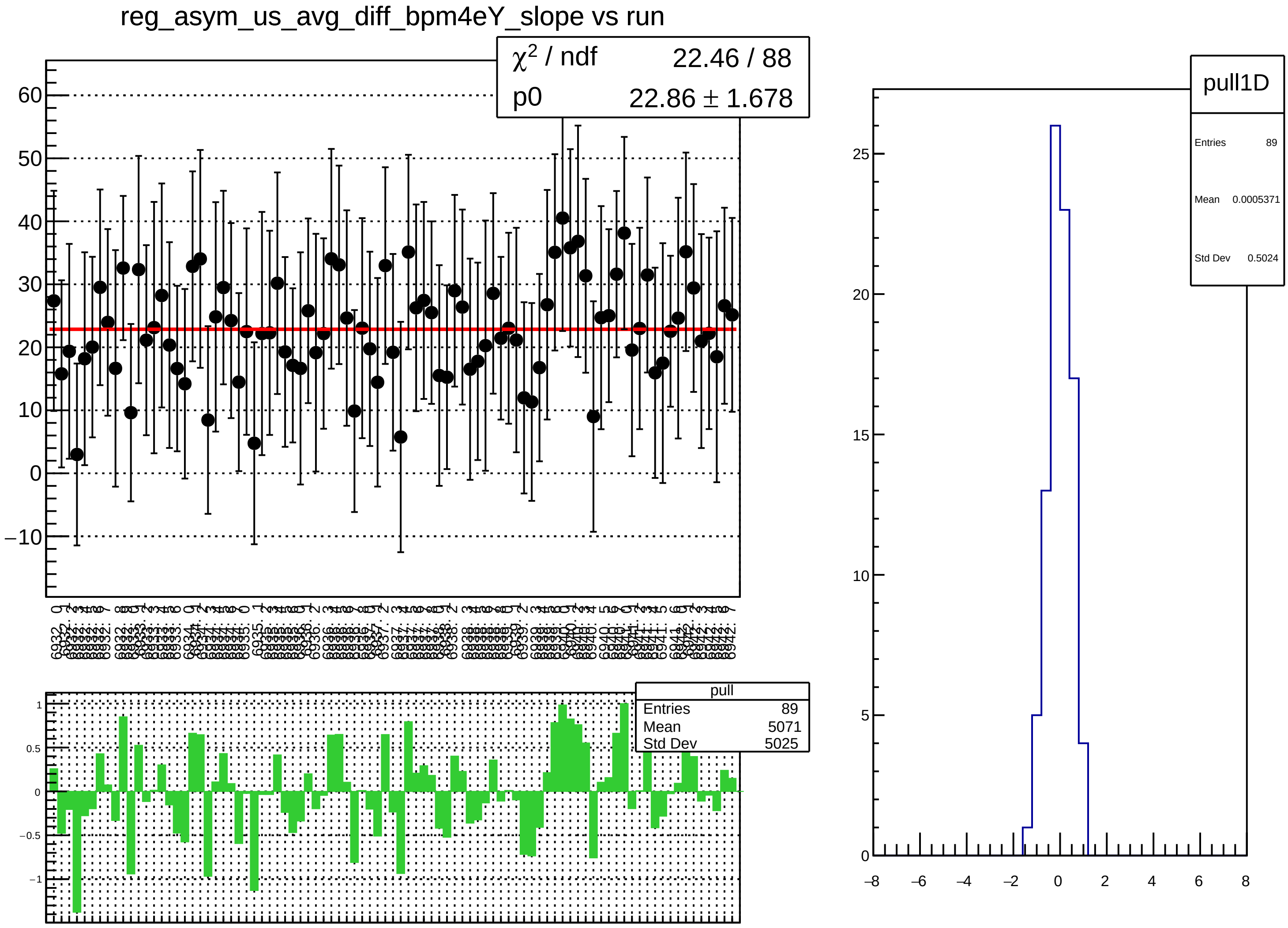
reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.45 / 88
p0 −70.87 ± 2.127
pull
Entries 89
Mean −97.06
Std Dev 138.2
pull1D
Entries 89
Mean −0.0174
Std Dev 0.5239



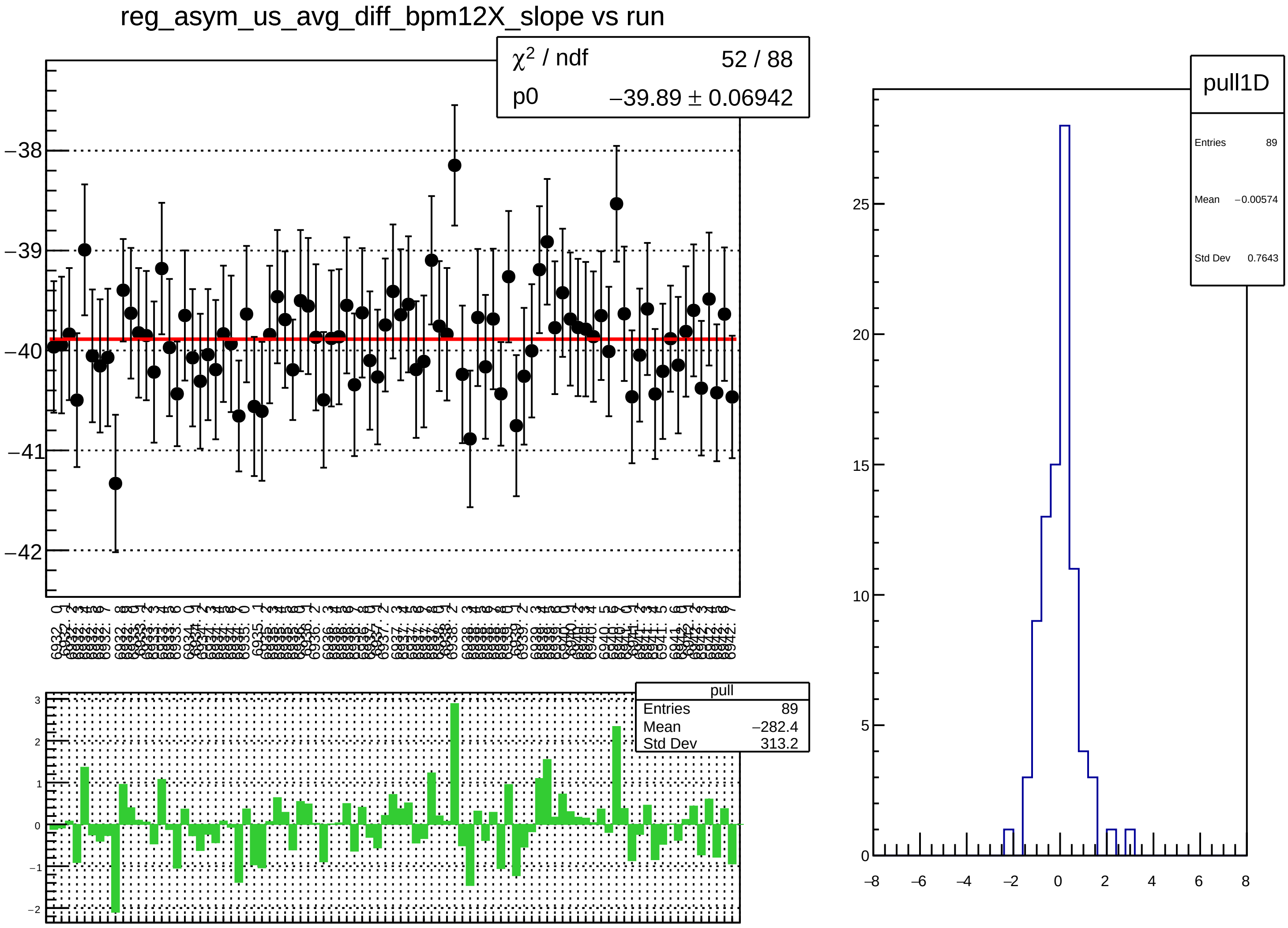
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 22 / 88
p0 −0.9691 ± 1.45
pull
Entries 89
Mean −4084
Std Dev 4129
pull1D
Entries 89
Mean 0.0006262
Std Dev 0.4971



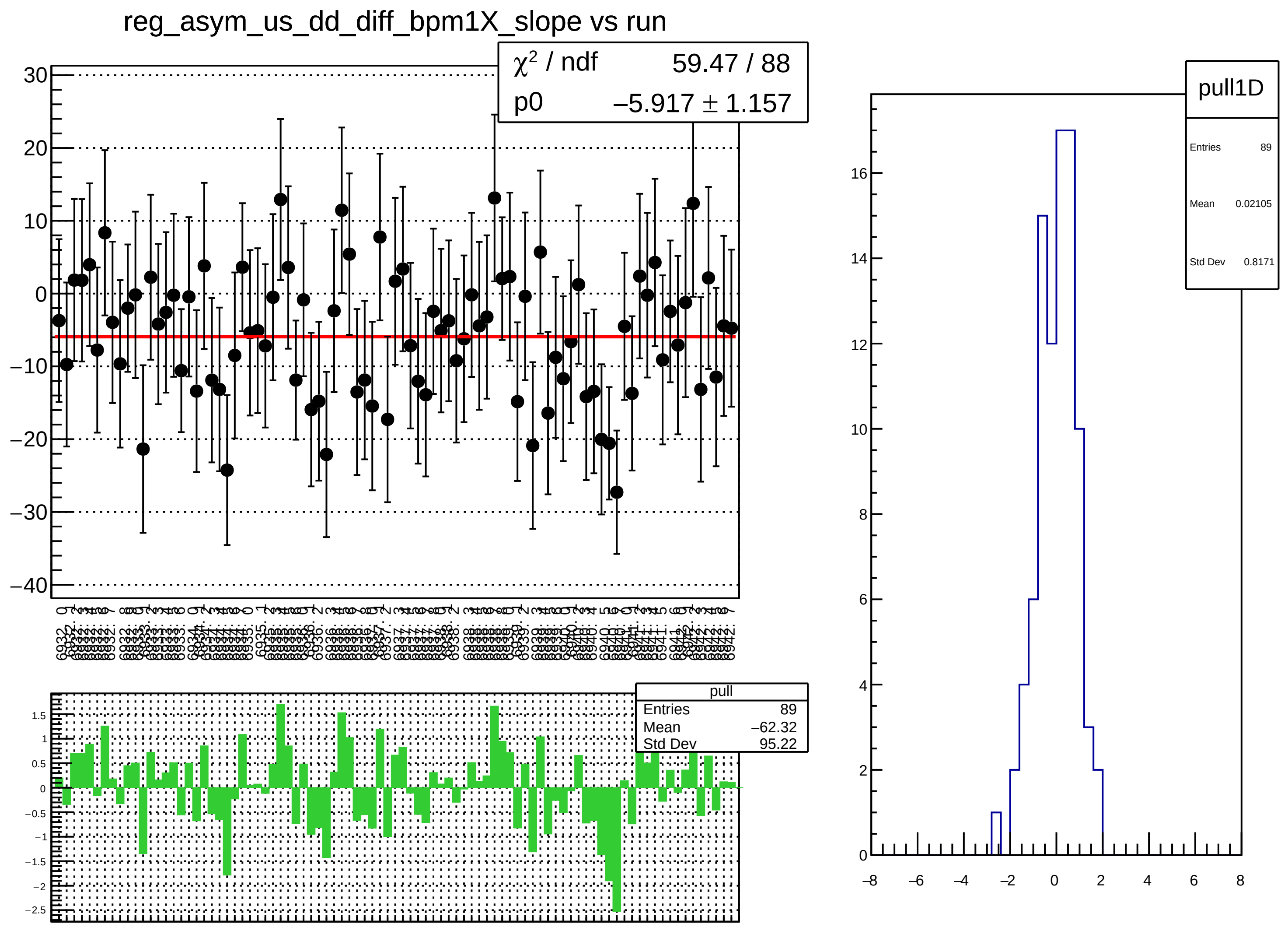
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.93 / 88
p0 66.65 ± 1.977
pull
Entries 89
Mean −101.5
Std Dev 143.5
pull1D
Entries 89
Mean 0.01789
Std Dev 0.5289



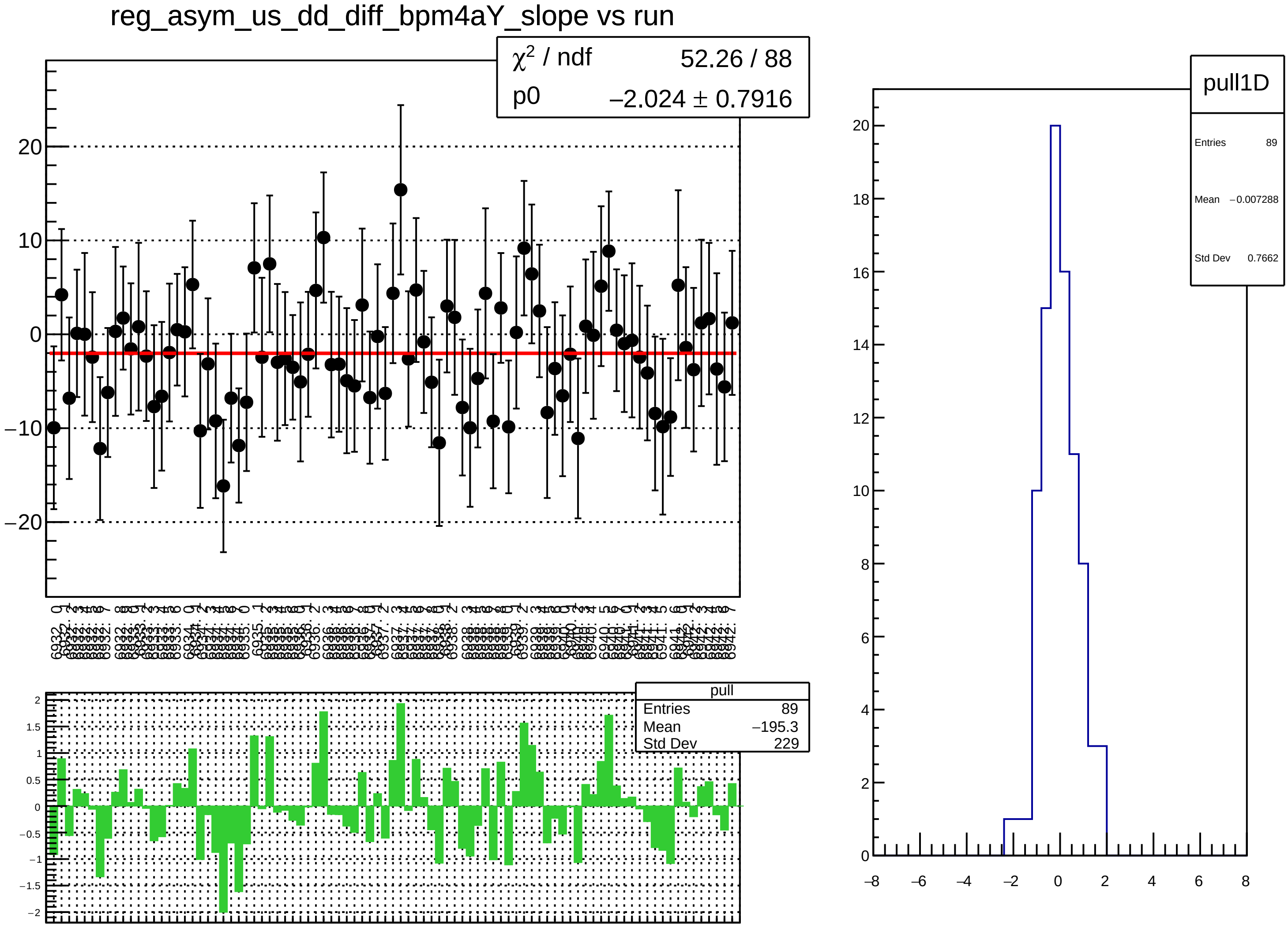
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ2 / ndf 22.46 / 88
p0 22.86 ± 1.678
pull
Entries 89
Mean 5071
Std Dev 5025
pull1D
Entries 89
Mean 0.0005371
Std Dev 0.5024



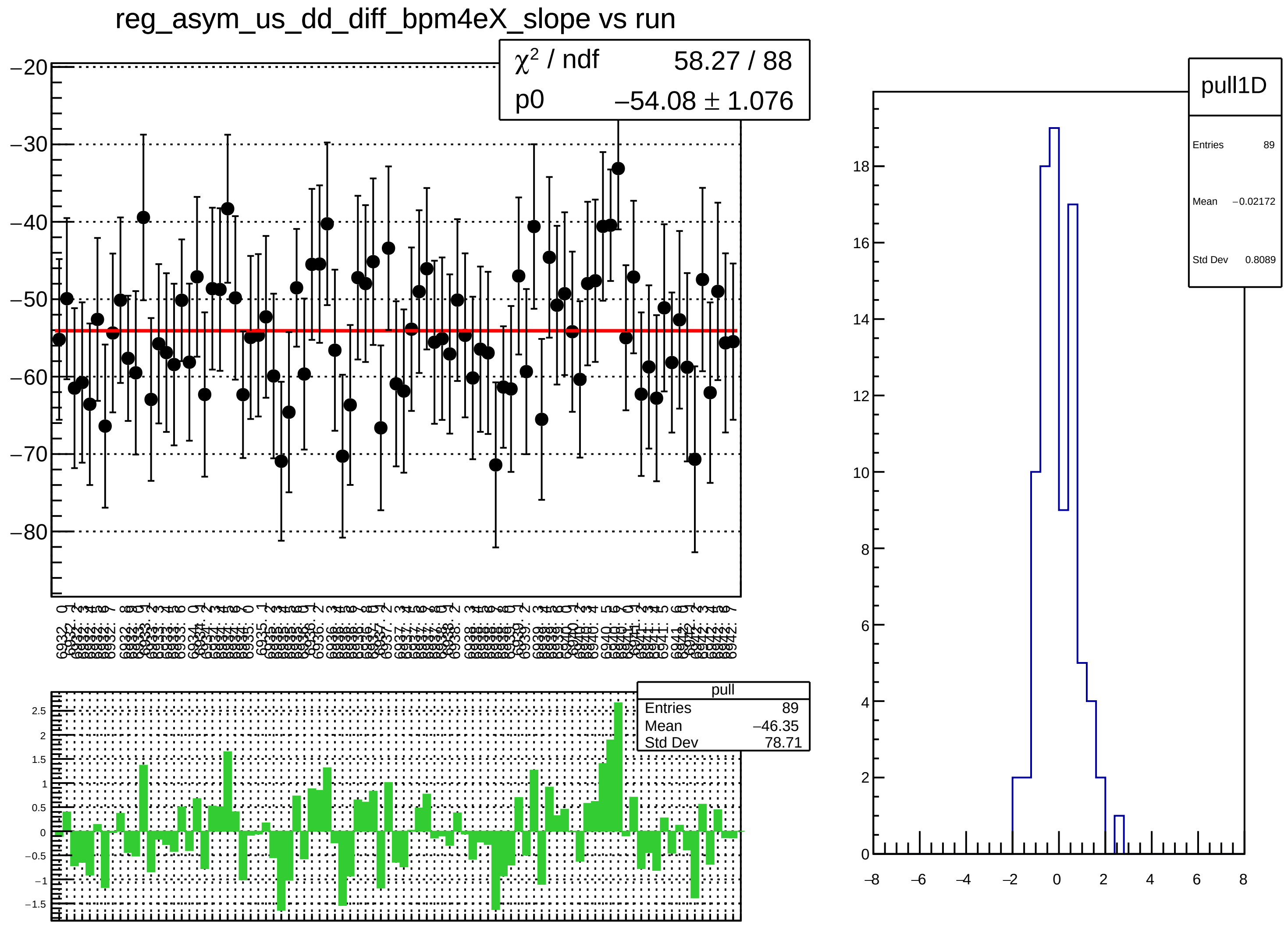
reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 52 / 88
p0 −39.89 ± 0.06942
pull
Entries 89
Mean −282.4
Std Dev 313.2
pull1D
Entries 89
Mean −0.00574
Std Dev 0.7643



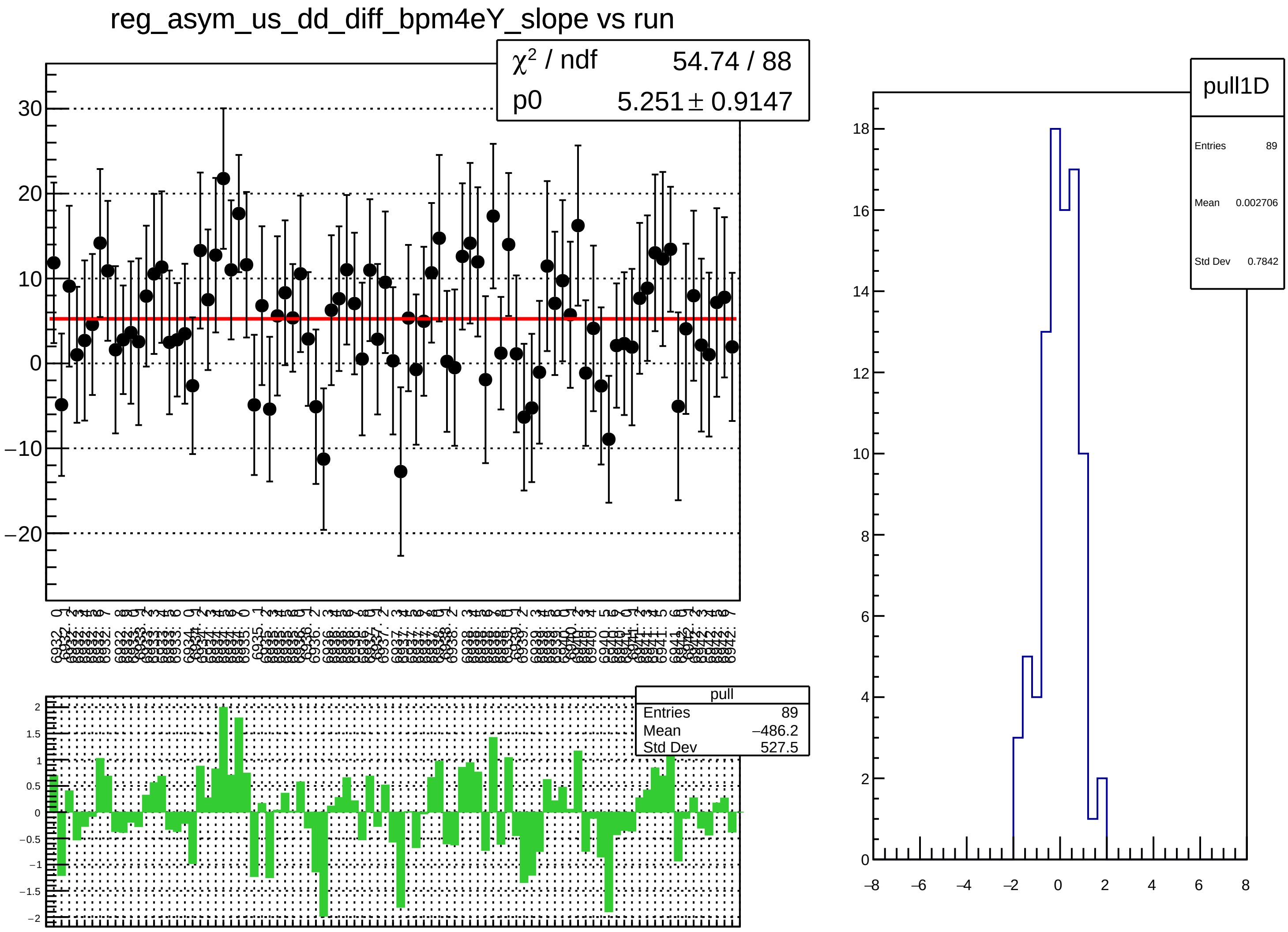
reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 59.47 / 88
p0 −5.917 ± 1.157
pull
Entries 89
Mean −62.32
Std Dev 95.22
pull1D
Entries 89
Mean 0.02105
Std Dev 0.8171



reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 52.26 / 88
p0 −2.024 ± 0.7916
20
10
0
−10
−20
pull
Entries 89
Mean −195.3
Std Dev 229
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.007288
Std Dev 0.7662
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

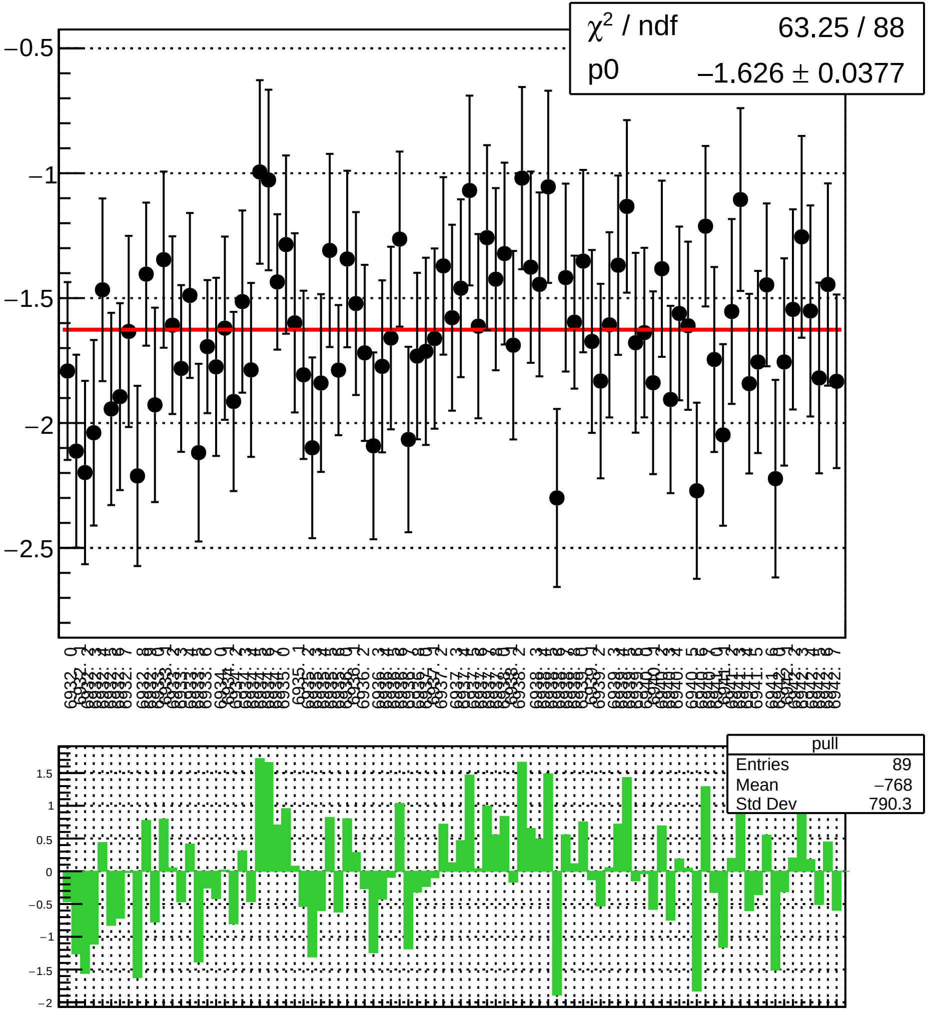


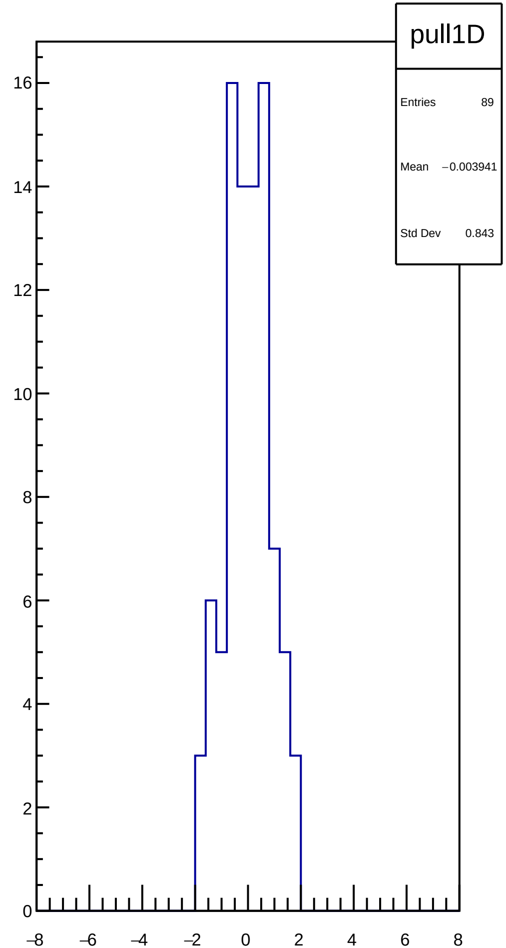
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 58.27 / 88
p0 −54.08 ± 1.076
pull
Entries 89
Mean −46.35
Std Dev 78.71
pull1D
Entries 89
Mean −0.02172
Std Dev 0.8089

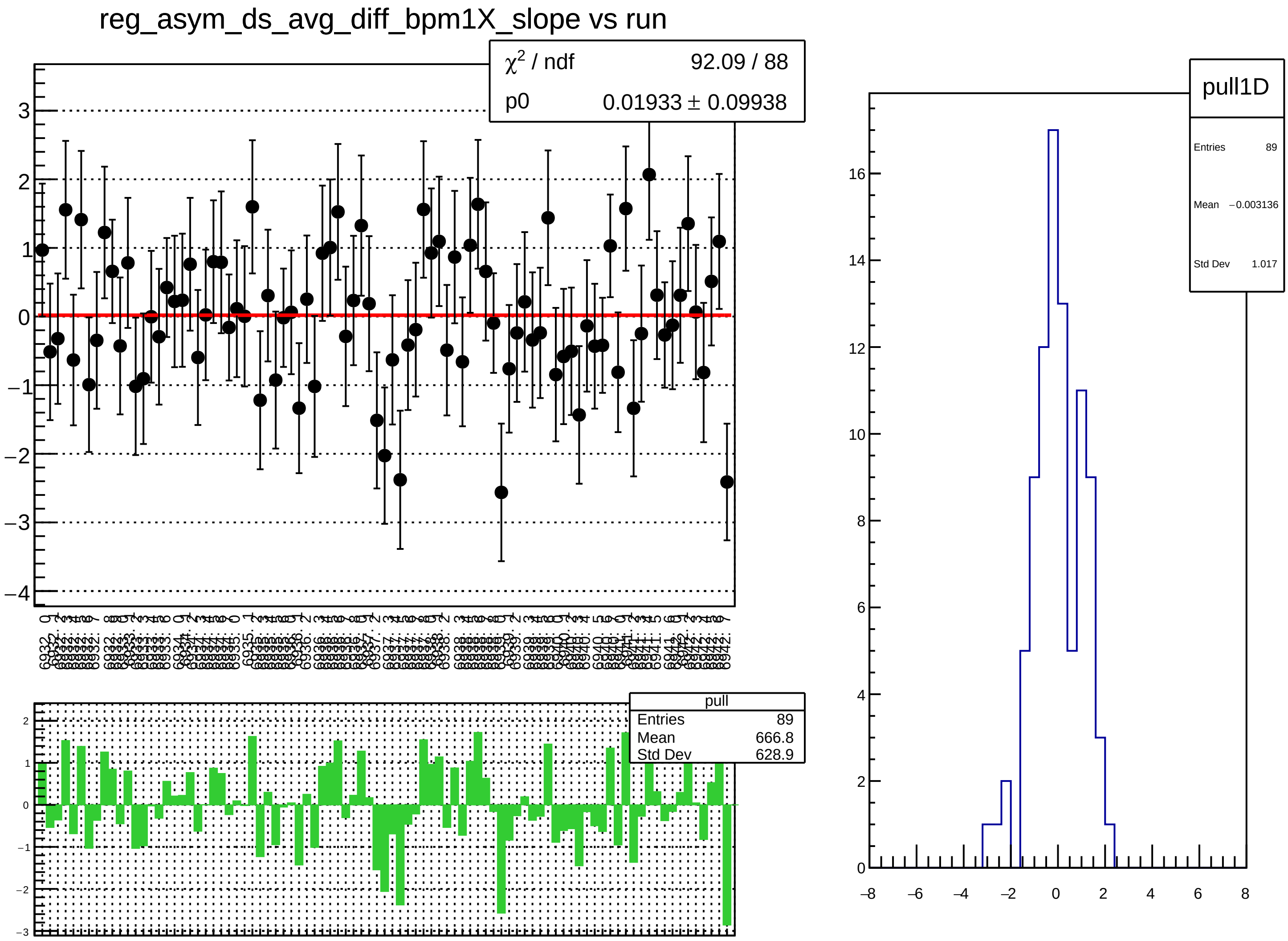


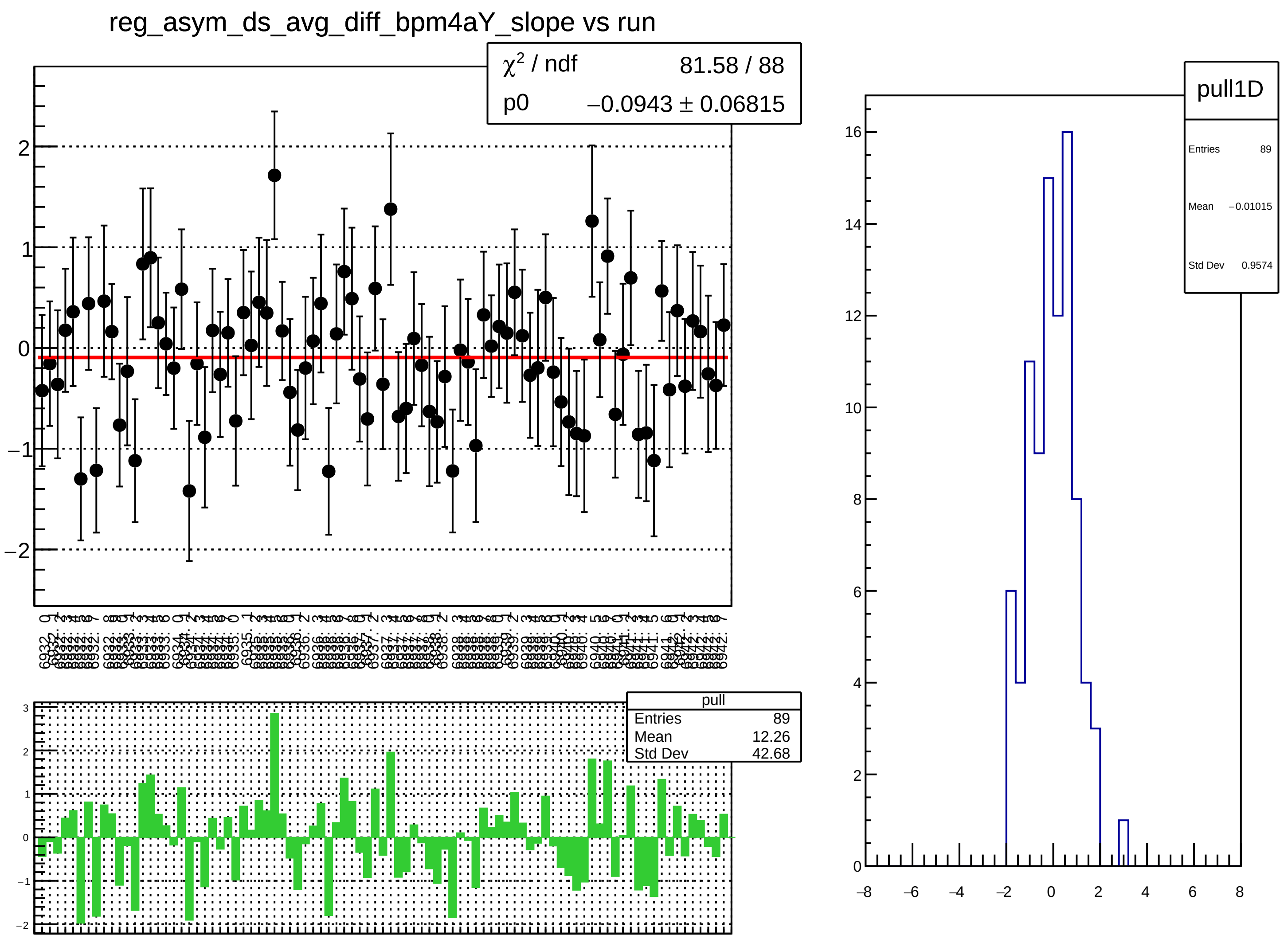
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 54.74 / 88
p0 5.251 ± 0.9147
30
20
10
0
−10
−20
pull
Entries 89
Mean −486.2
Std Dev 527.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.002706
Std Dev 0.7842
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_dd_diff_bpm12X_slope vs run

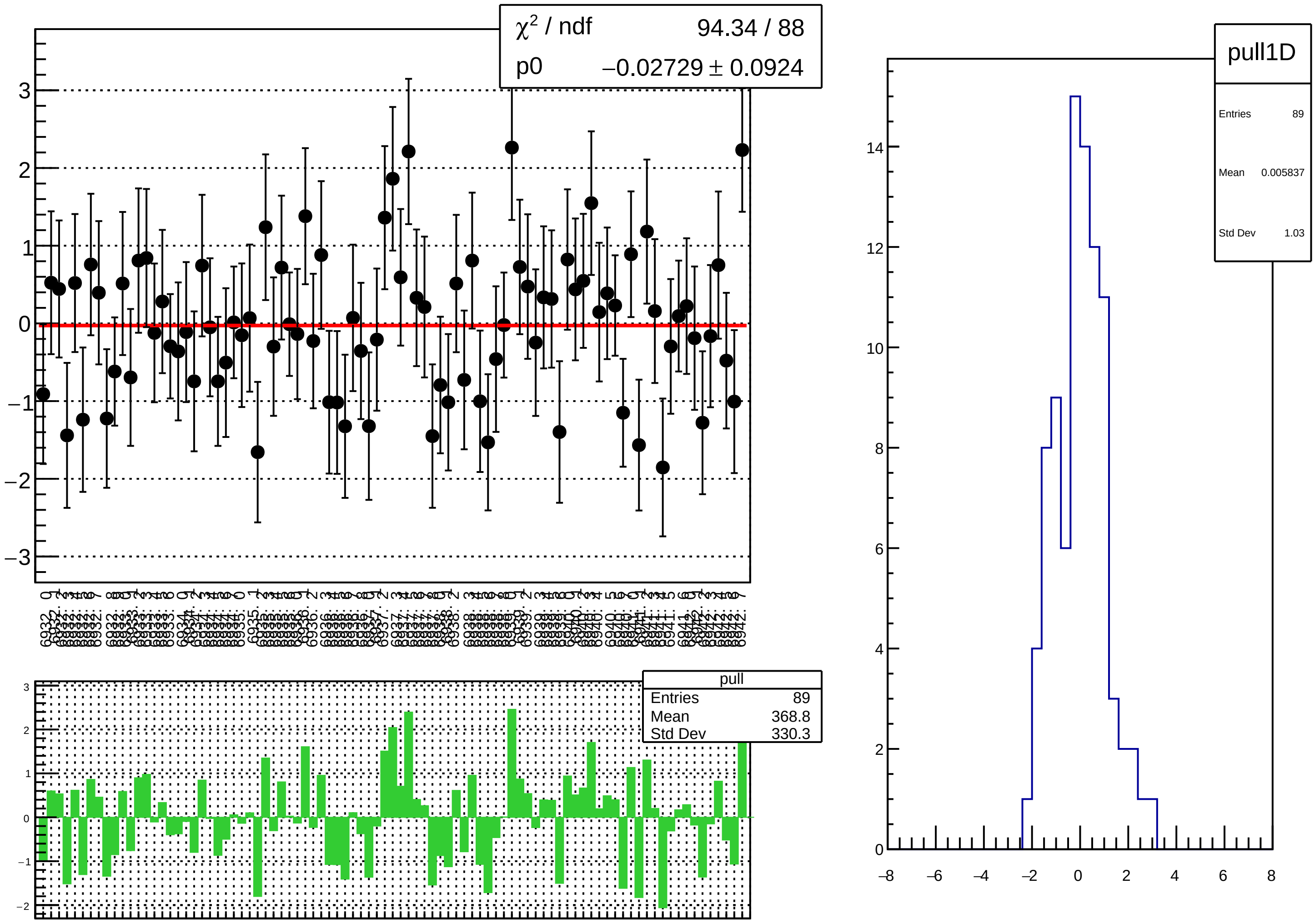


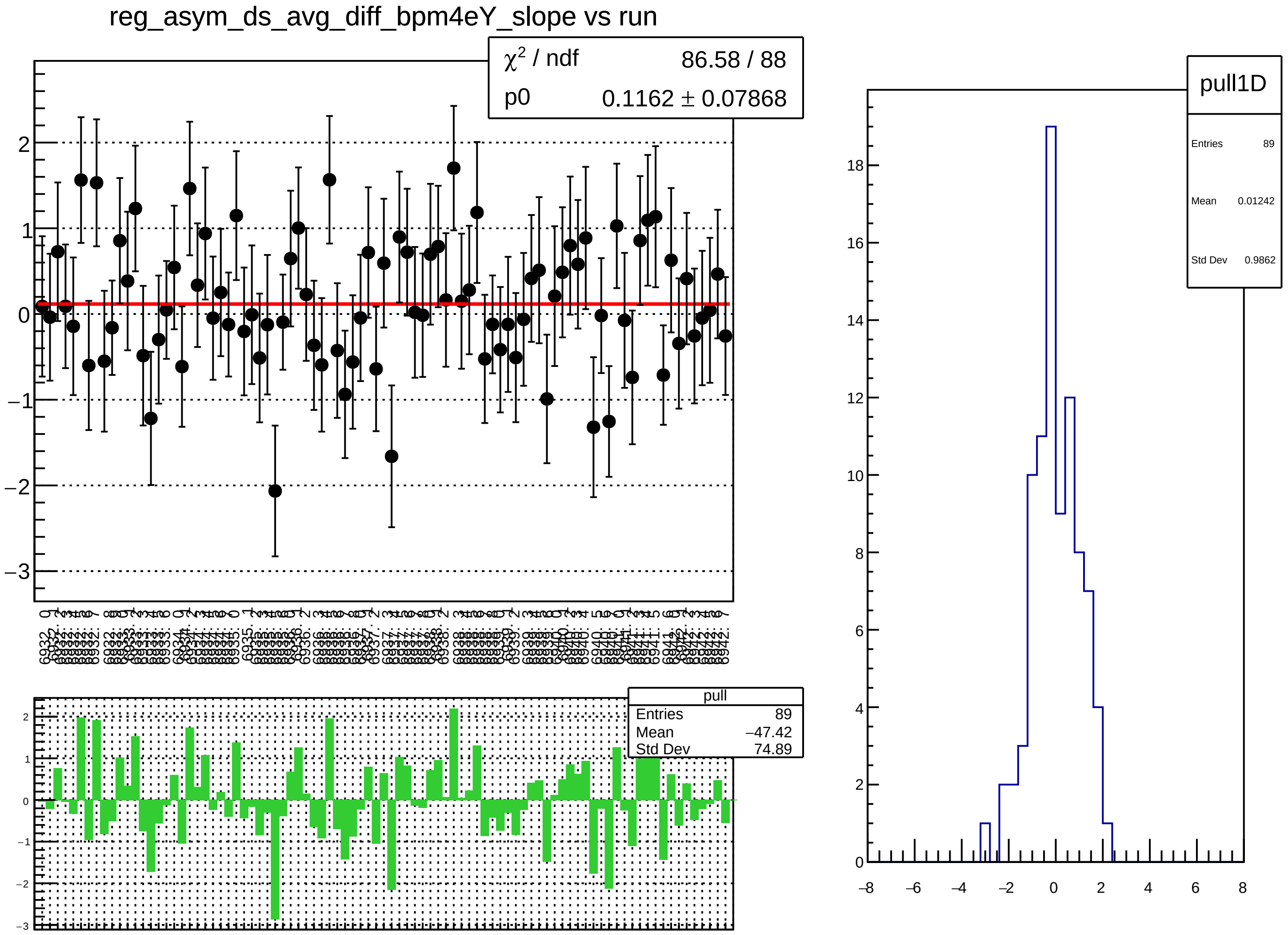



reg_asym_ds_avg_diff_bpm1X_slope vs run
χ2 / ndf 92.09 / 88
p0 0.01933 ± 0.09938
pull
Entries 89
Mean 666.8
Std Dev 628.9
pull1D
Entries 89
Mean −0.003136
Std Dev 1.017

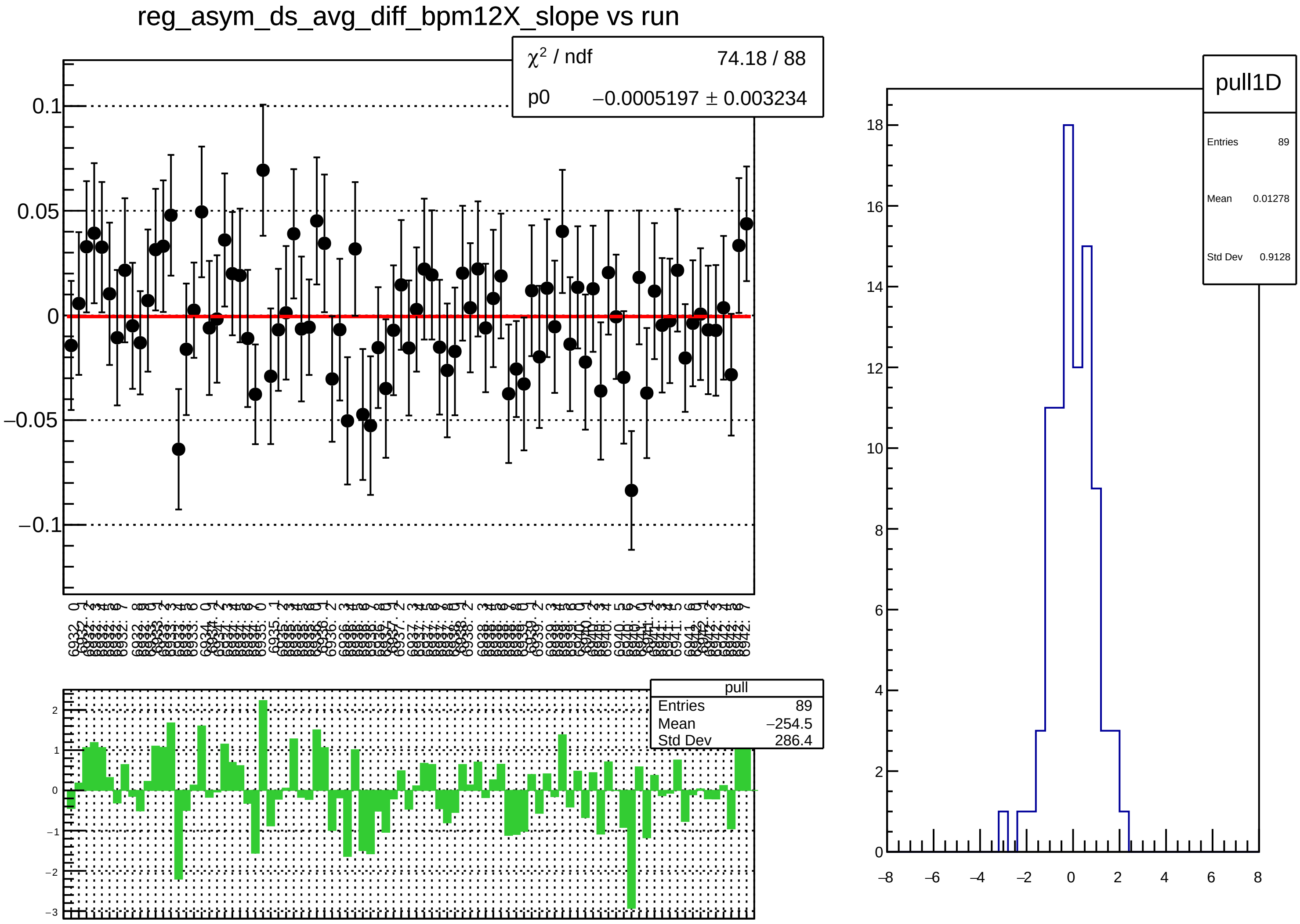

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 81.58 / 88
p0 −0.0943 ± 0.06815
pull
Entries 89
Mean 12.26
Std Dev 42.68
pull1D
Entries 89
Mean −0.01015
Std Dev 0.9574

reg_asym_ds_avg_diff_bpm4eX_slope vs run

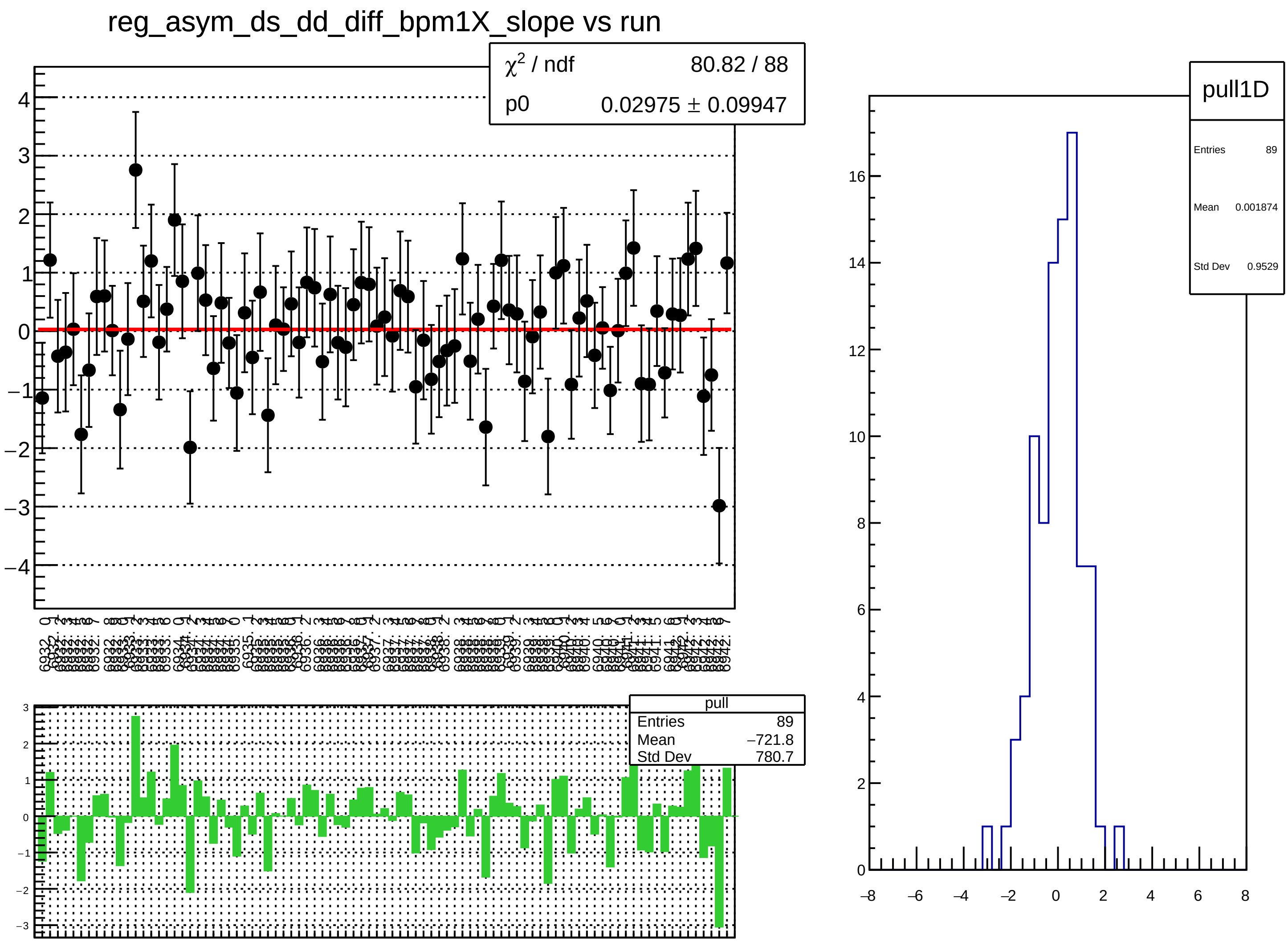




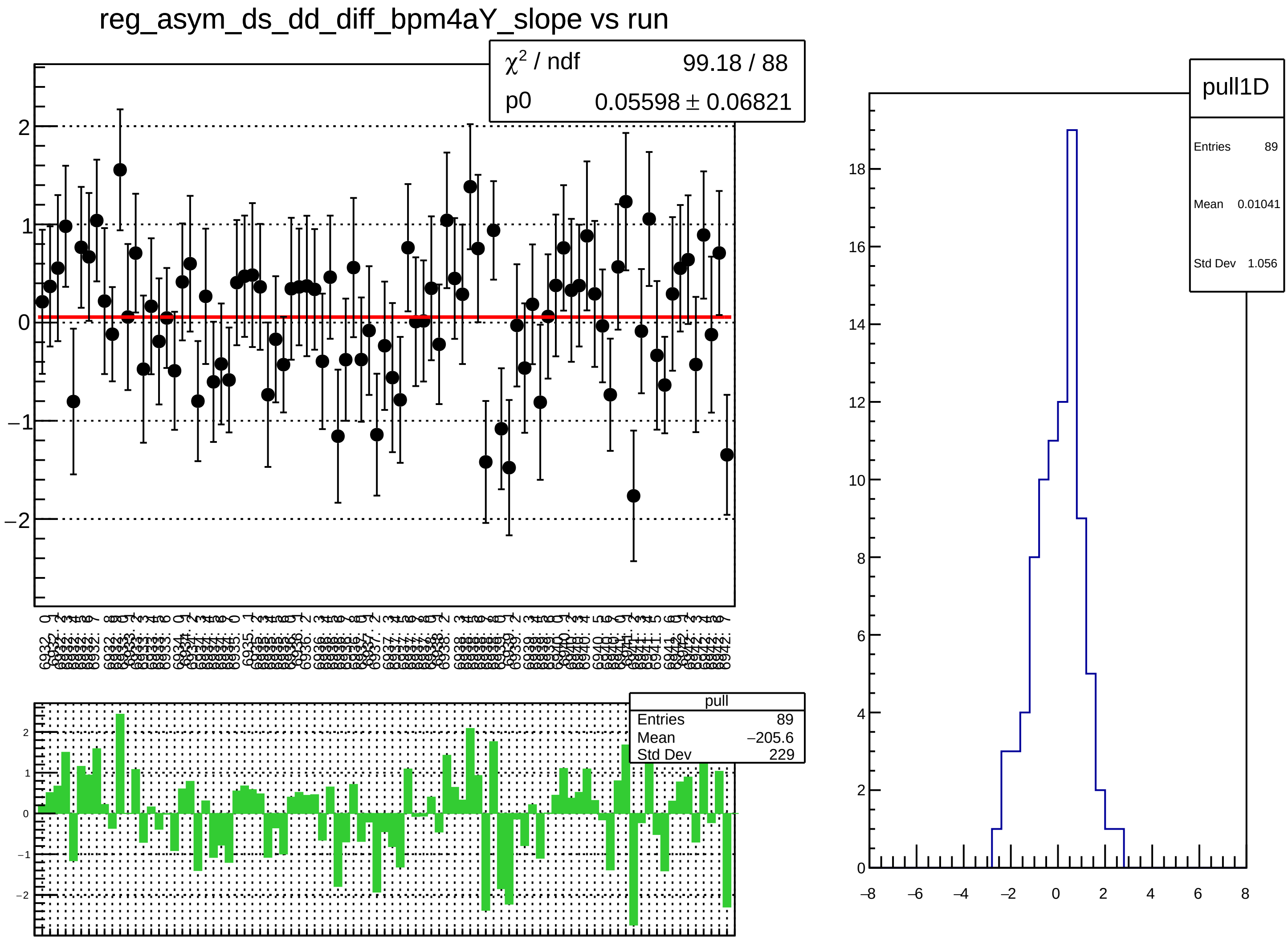
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ2 / ndf 86.58 / 88
p0 0.1162 ± 0.07868
pull
Entries 89
Mean −47.42
Std Dev 74.89
pull1D
Entries 89
Mean 0.01242
Std Dev 0.9862



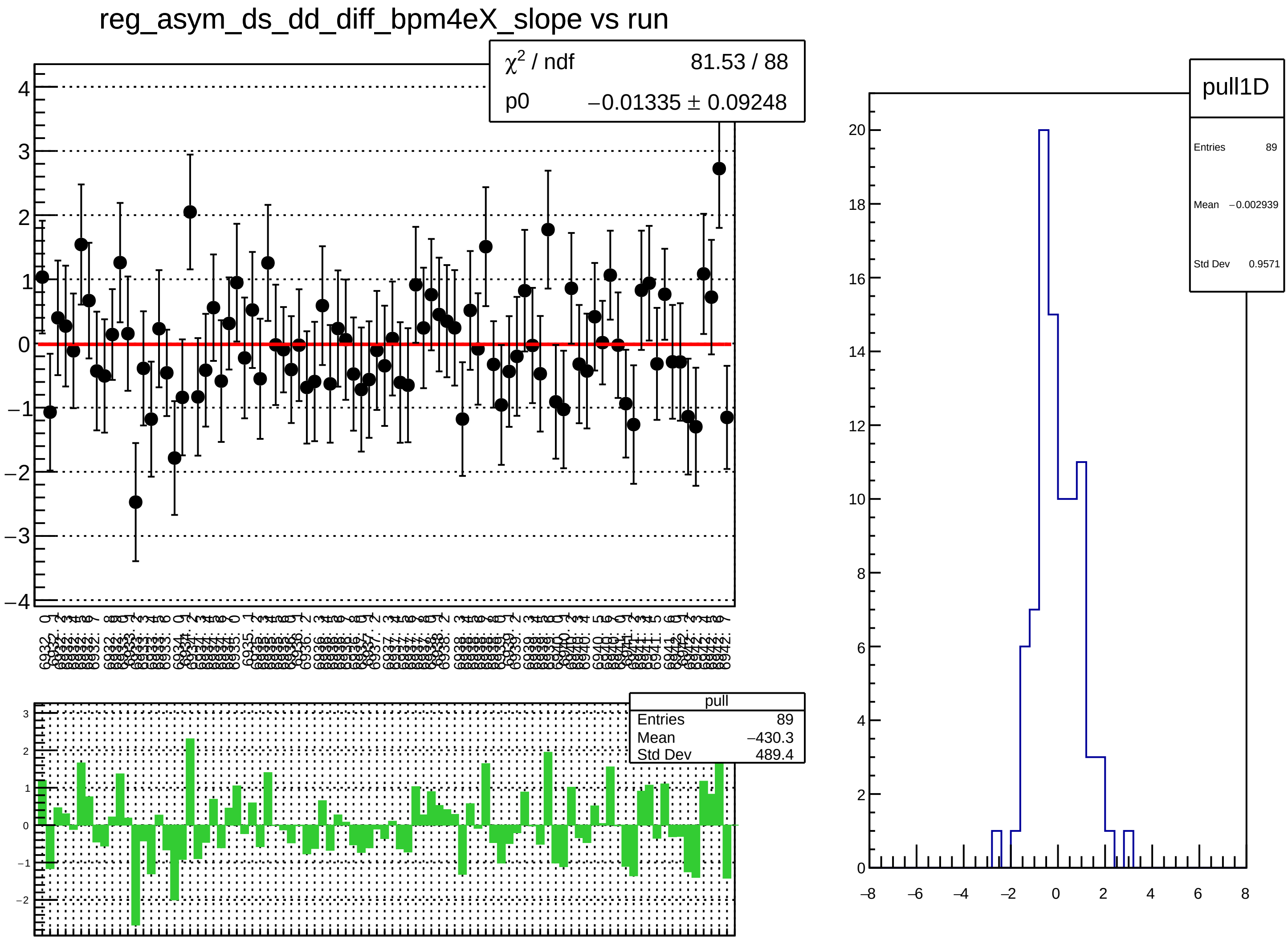
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 74.18 / 88
p0 −0.0005197 ± 0.003234
pull
Entries 89
Mean −254.5
Std Dev 286.4
pull1D
Entries 89
Mean 0.01278
Std Dev 0.9128



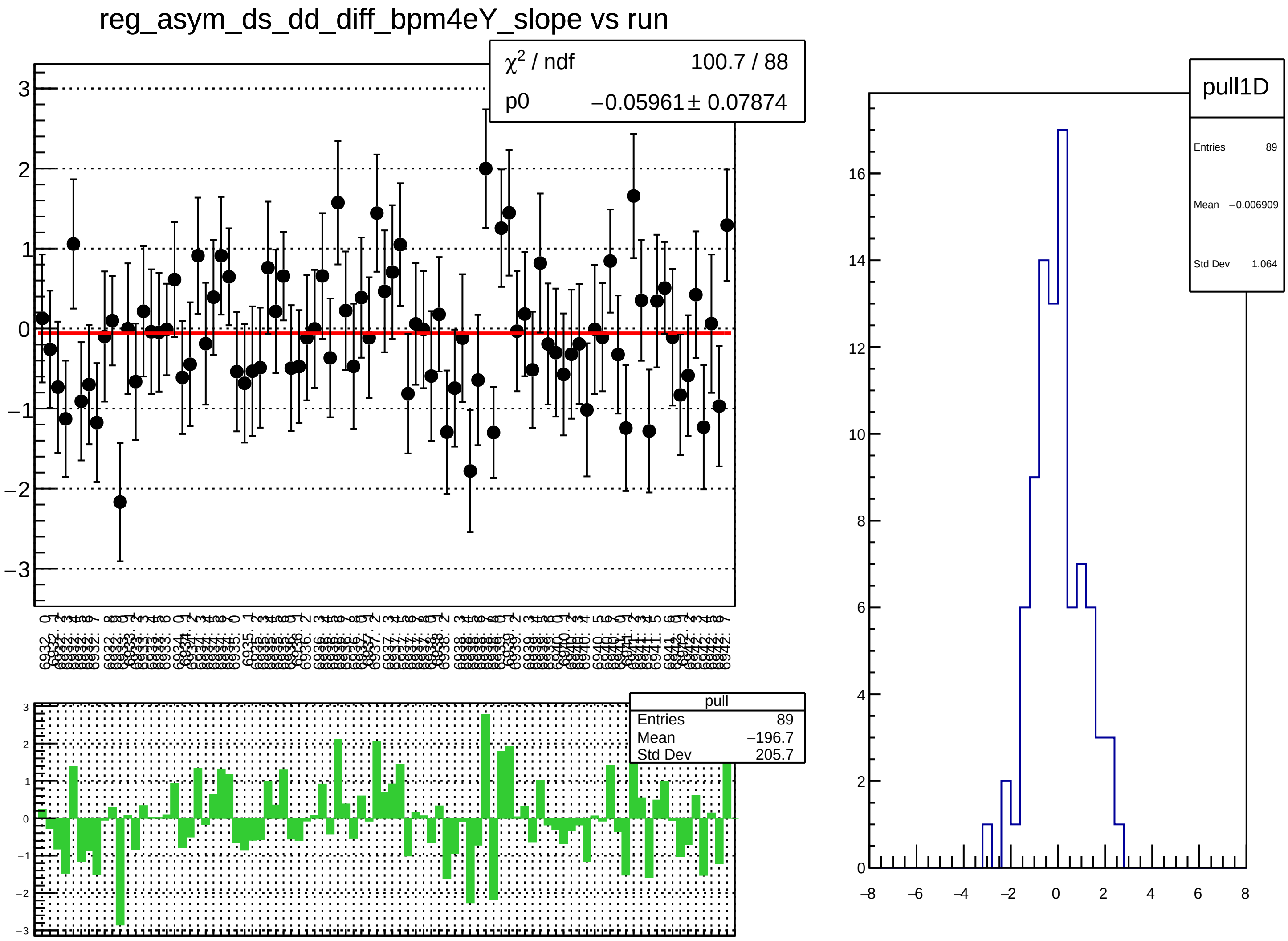
reg_asym_ds_dd_diff_bpm1X_slope vs run
χ2 / ndf 80.82 / 88
p0 0.02975 ± 0.09947
pull
Entries 89
Mean −721.8
Std Dev 780.7
pull1D
Entries 89
Mean 0.001874
Std Dev 0.9529

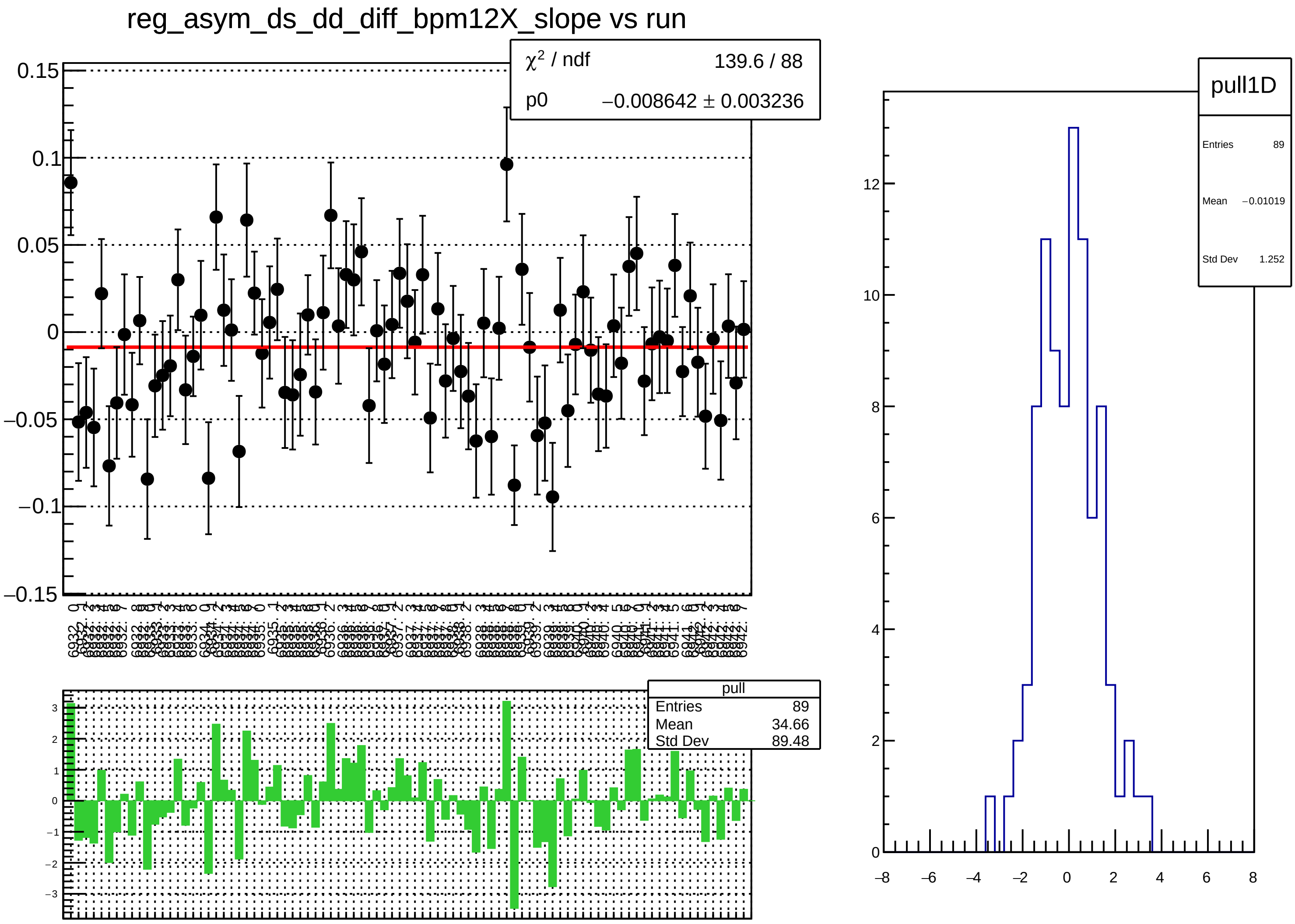


reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 99.18 / 88
p0 0.05598 ± 0.06821
pull
Entries 89
Mean −205.6
Std Dev 229
pull1D
Entries 89
Mean 0.01041
Std Dev 1.056

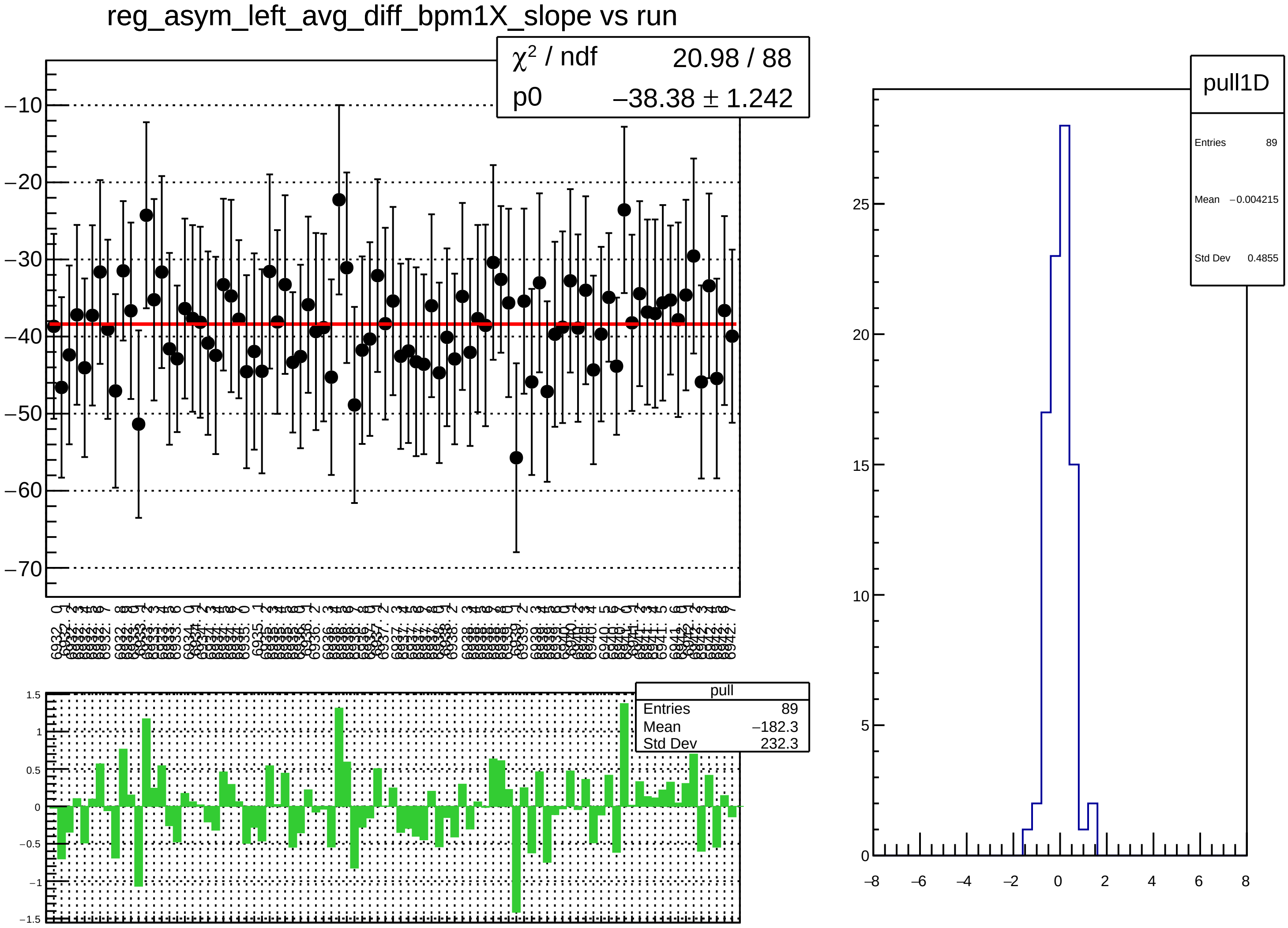


reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 81.53 / 88
p0 −0.01335 ± 0.09248
pull
Entries 89
Mean −430.3
Std Dev 489.4
pull1D
Entries 89
Mean −0.002939
Std Dev 0.9571

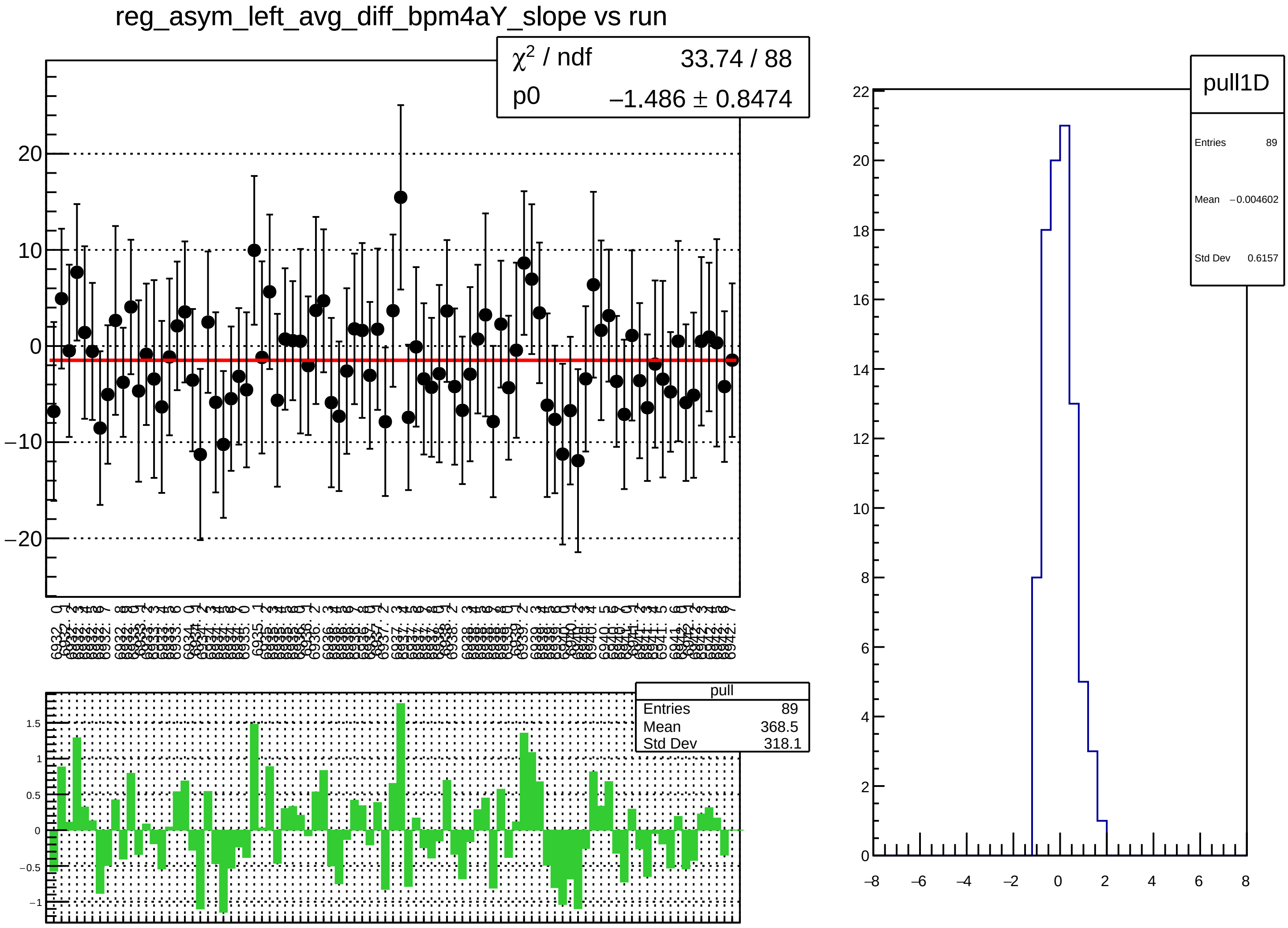

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 100.7 / 88
p0 −0.05961 ± 0.07874
pull
Entries 89
Mean −196.7
Std Dev 205.7
pull1D
Entries 89
Mean −0.006909
Std Dev 1.064



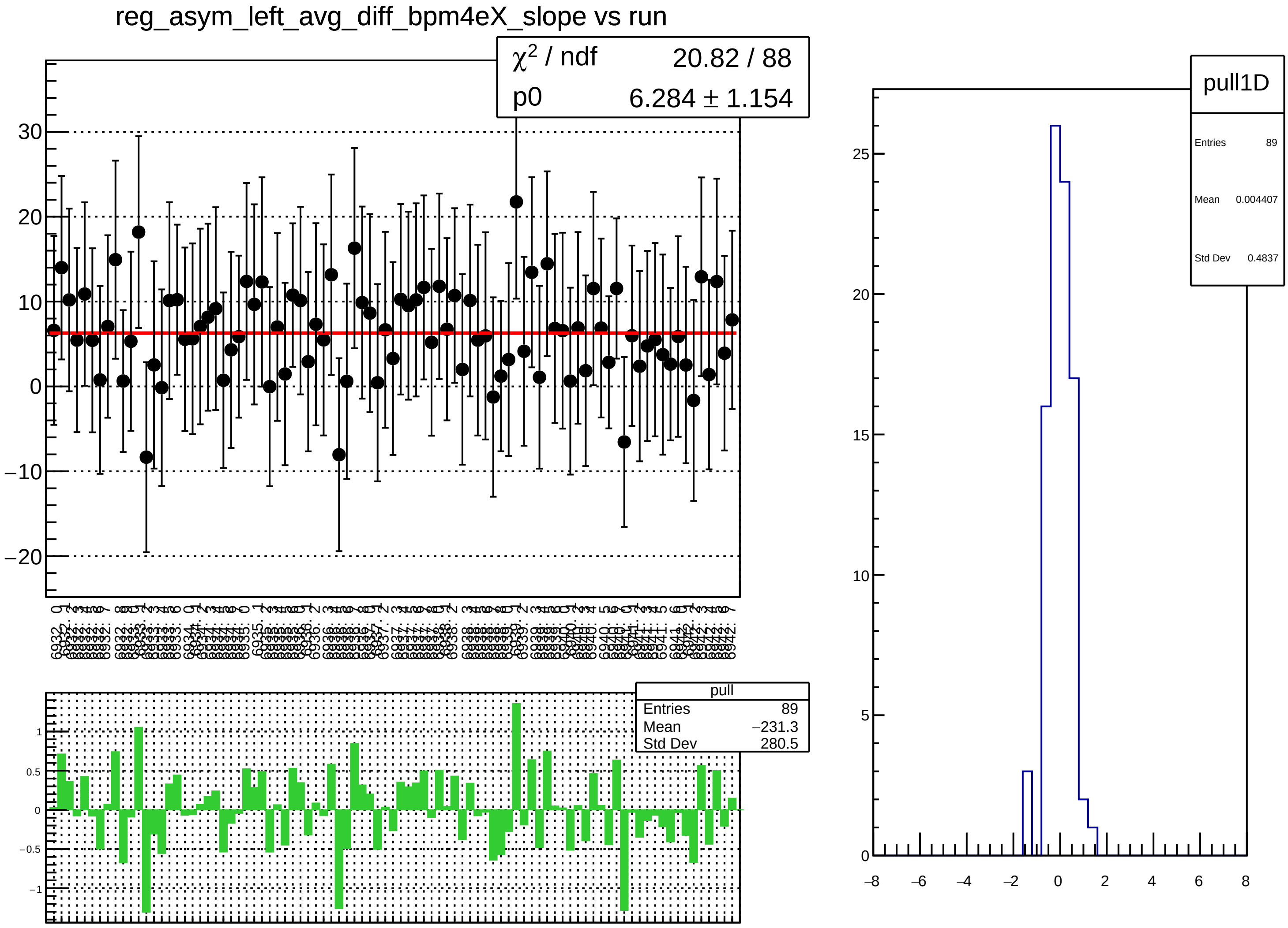
reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 139.6 / 88
p0 −0.008642 ± 0.003236
pull
Entries 89
Mean 34.66
Std Dev 89.48
pull1D
Entries 89
Mean −0.01019
Std Dev 1.252



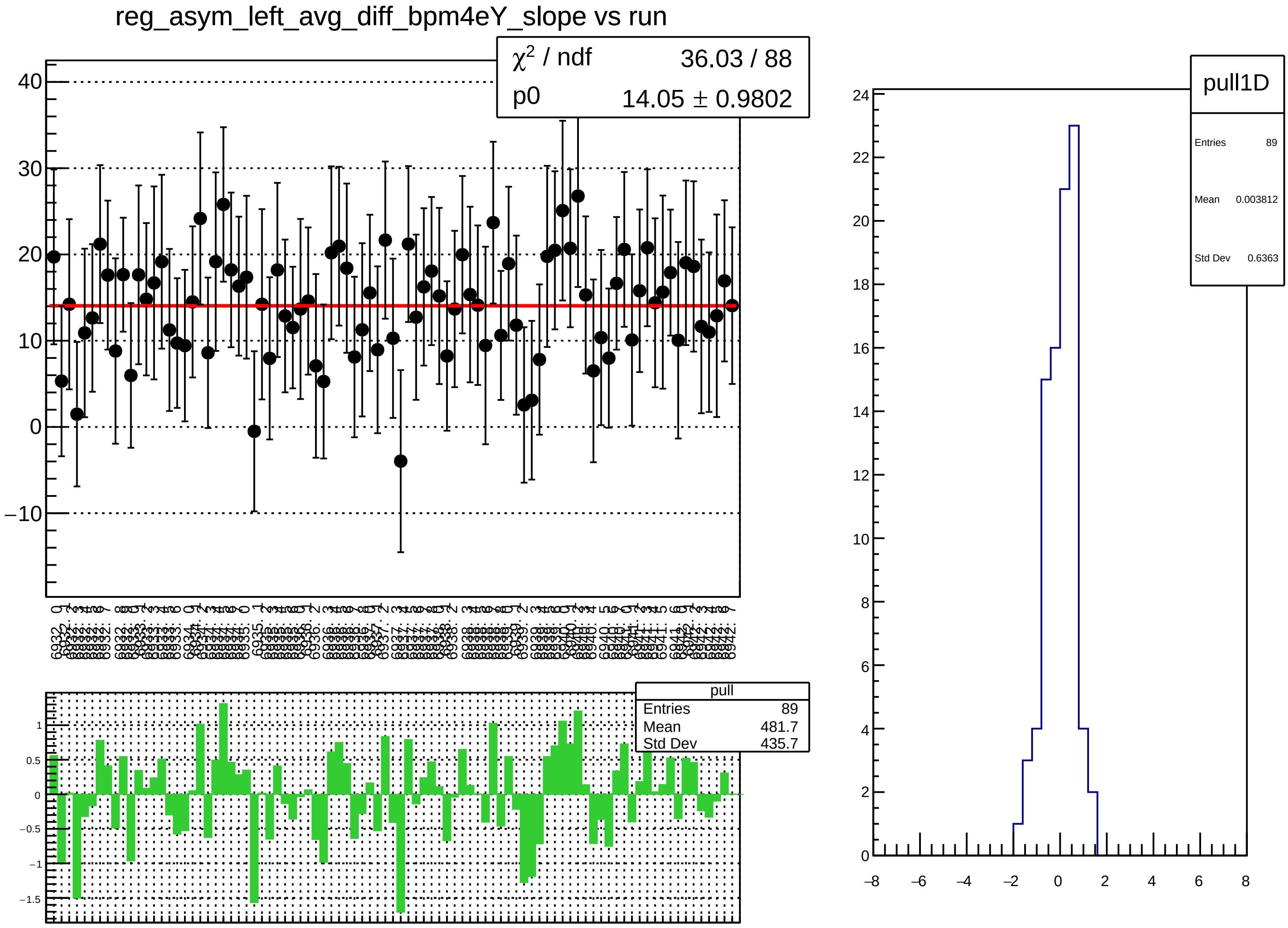
reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 20.98 / 88
p0 −38.38 ± 1.242
pull
Entries 89
Mean −182.3
Std Dev 232.3
pull1D
Entries 89
Mean −0.004215
Std Dev 0.4855



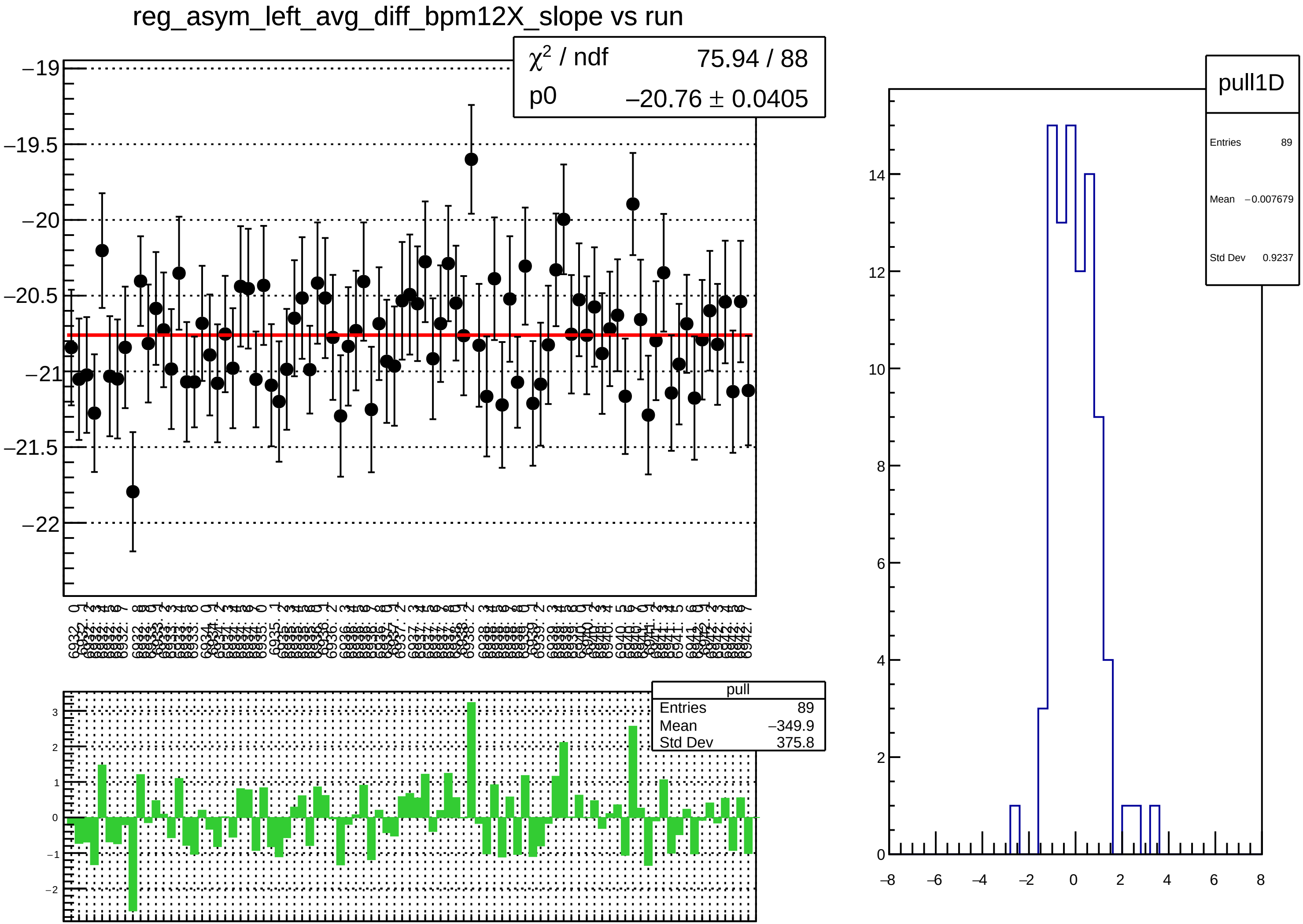
reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 33.74 / 88
p0 −1.486 ± 0.8474
pull
Entries 89
Mean 368.5
Std Dev 318.1
pull1D
Entries 89
Mean −0.004602
Std Dev 0.6157



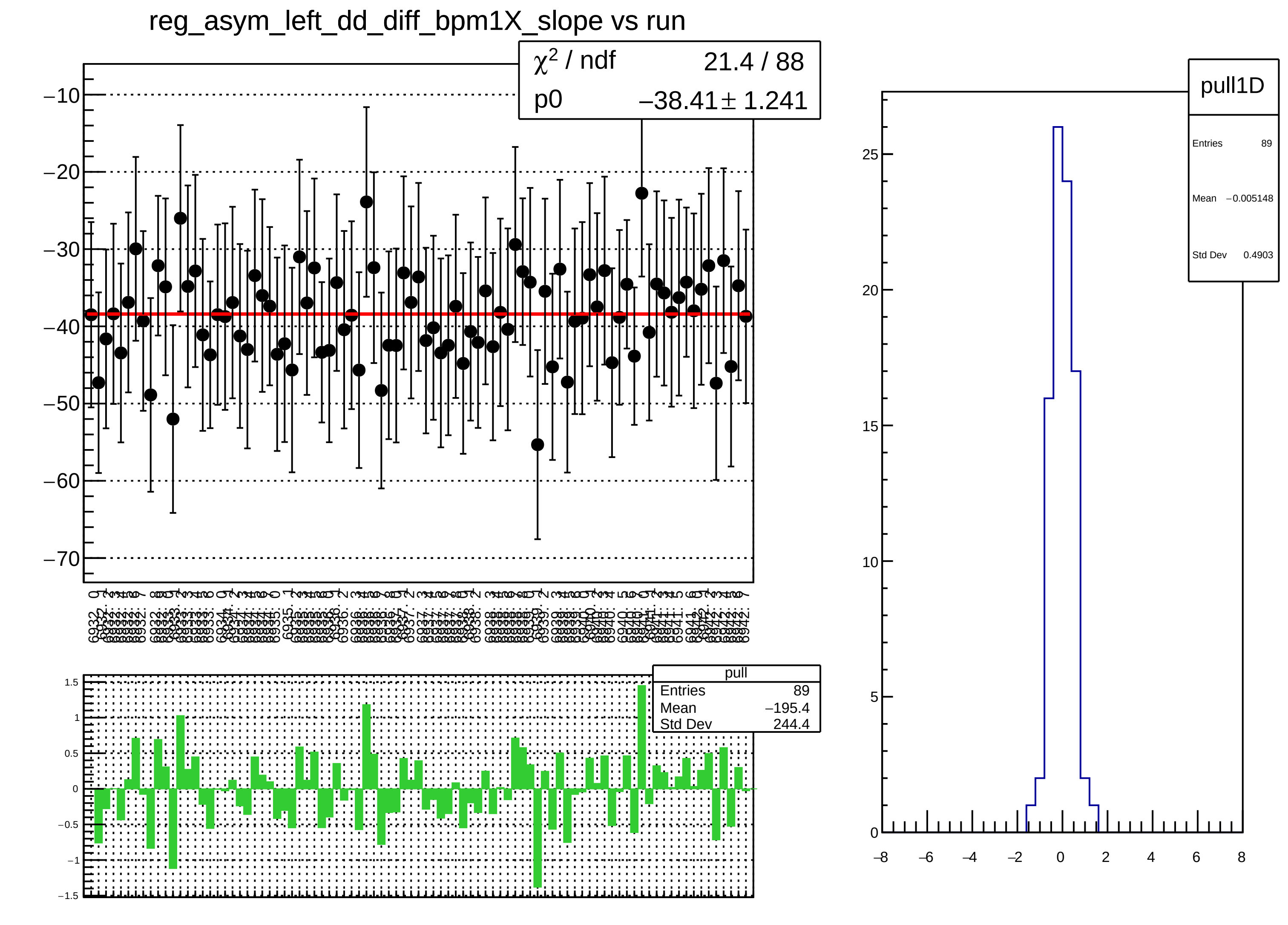
reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 20.82 / 88
p0 6.284 ± 1.154
pull
Entries 89
Mean −231.3
Std Dev 280.5
pull1D
Entries 89
Mean 0.004407
Std Dev 0.4837



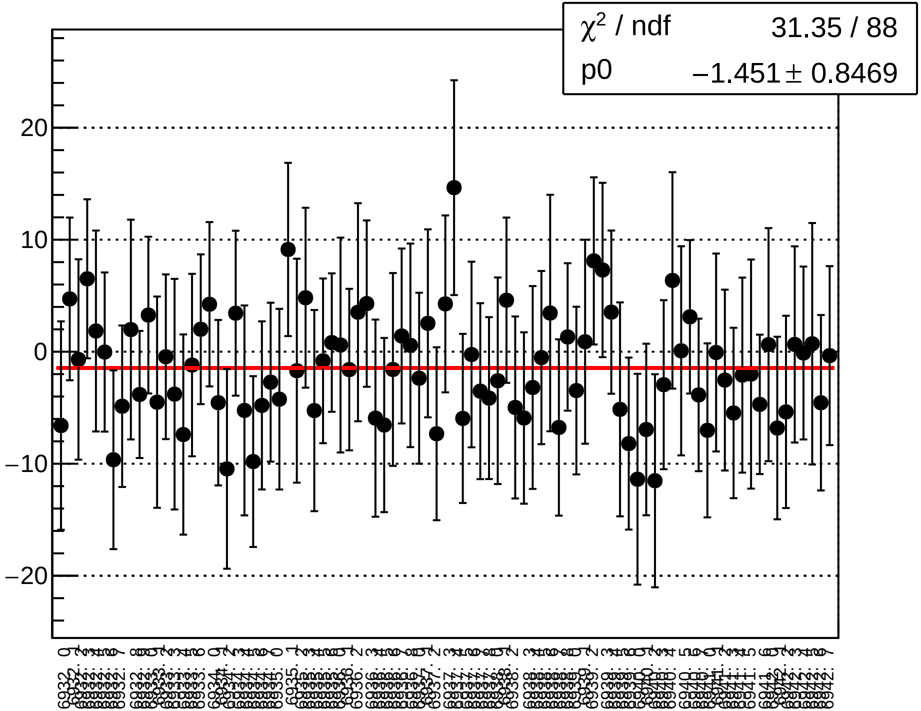
reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 36.03 / 88
p0 14.05 ± 0.9802
pull
Entries 89
Mean 481.7
Std Dev 435.7
pull1D
Entries 89
Mean 0.003812
Std Dev 0.6363

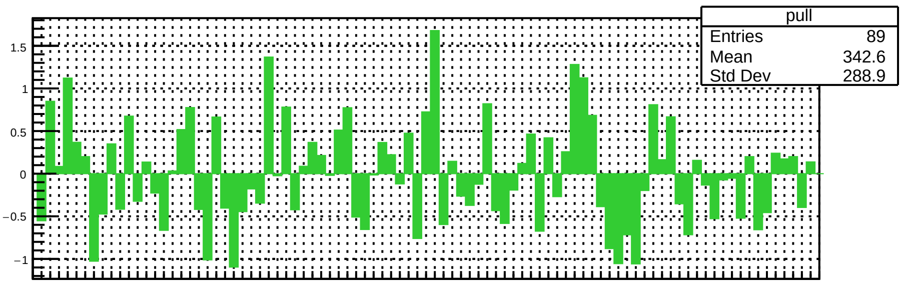


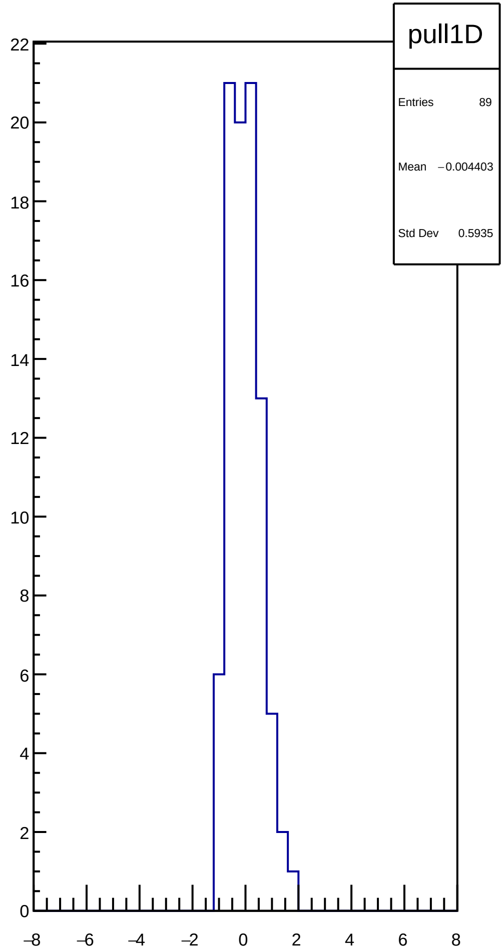
reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 75.94 / 88
p0 −20.76 ± 0.0405
pull
Entries 89
Mean −349.9
Std Dev 375.8
pull1D
Entries 89
Mean −0.007679
Std Dev 0.9237

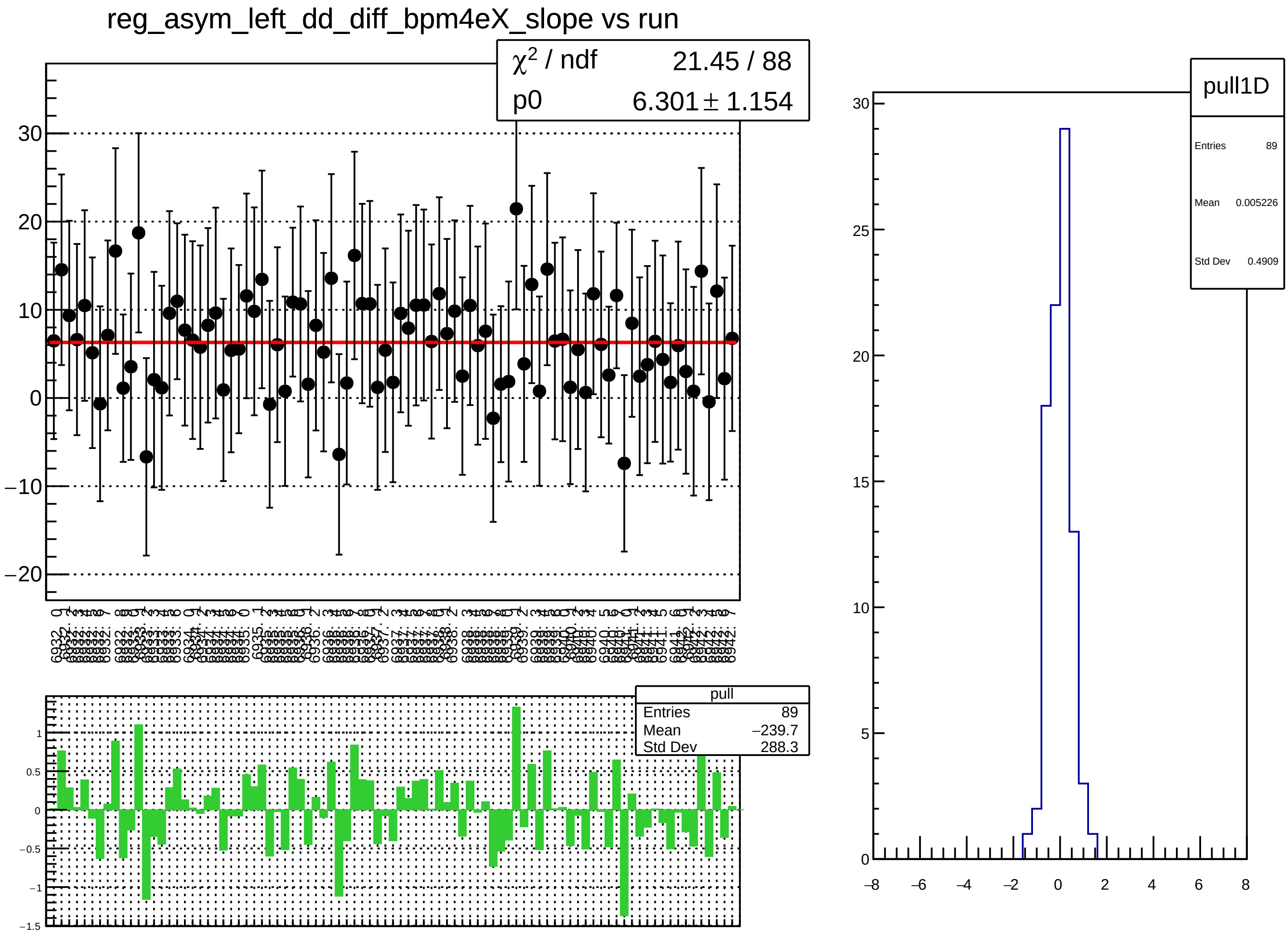

reg_asym_left_dd_diff_bpm1X_slope vs run
χ2 / ndf 21.4 / 88
p0 −38.41 ± 1.241
pull
Entries 89
Mean −195.4
Std Dev 244.4
pull1D
Entries 89
Mean −0.005148
Std Dev 0.4903

reg_asym_left_dd_diff_bpm4aY_slope vs run

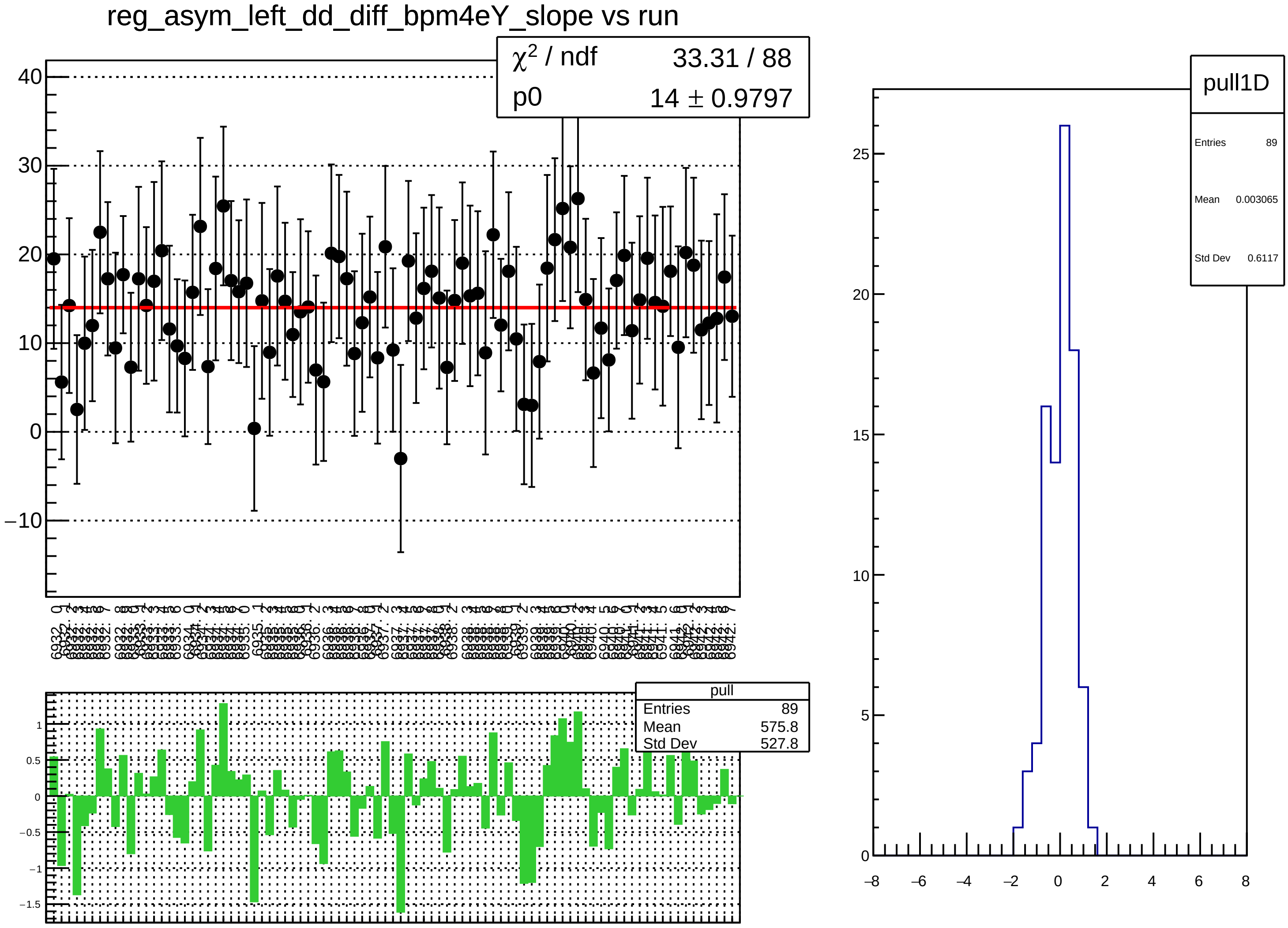




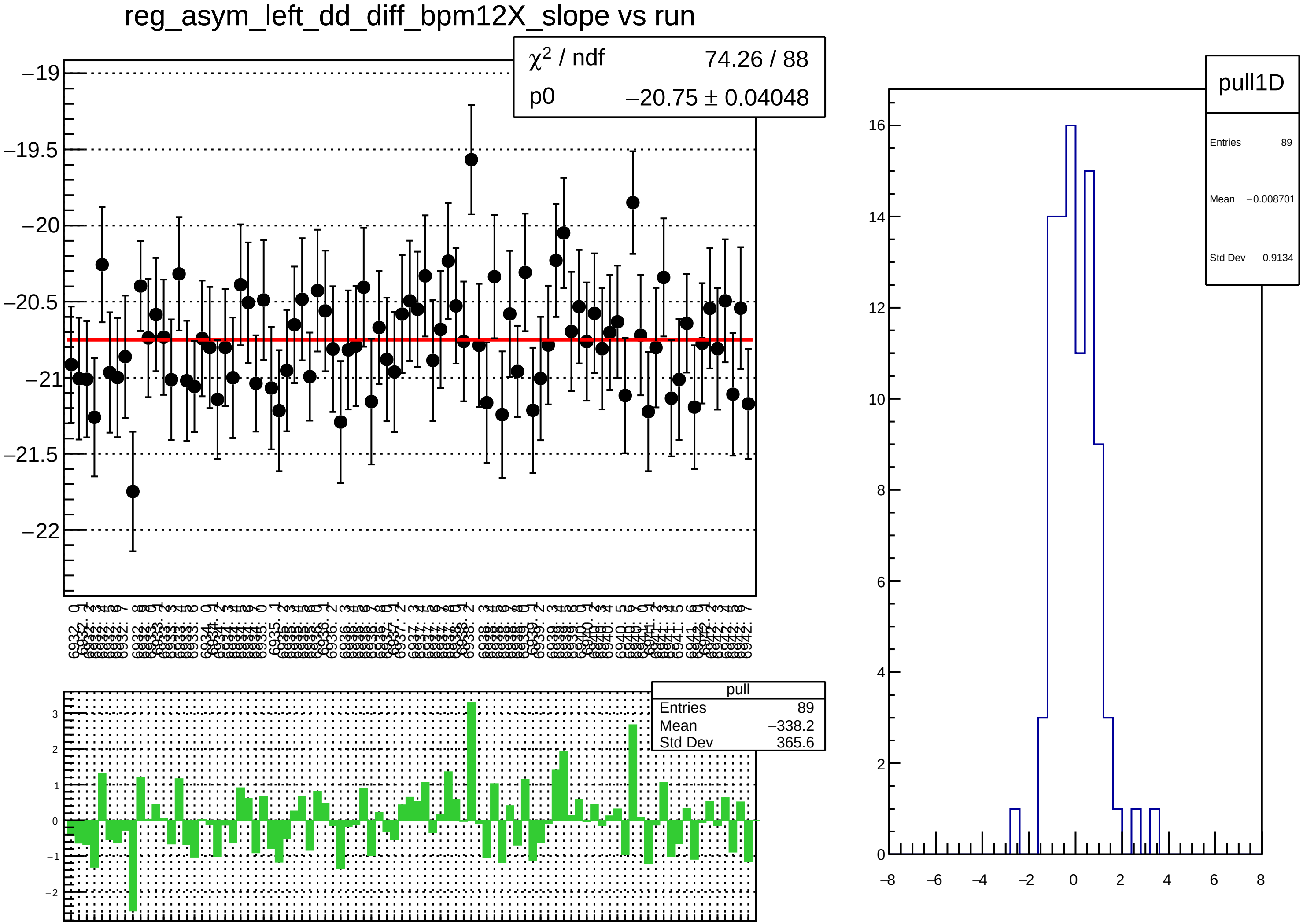


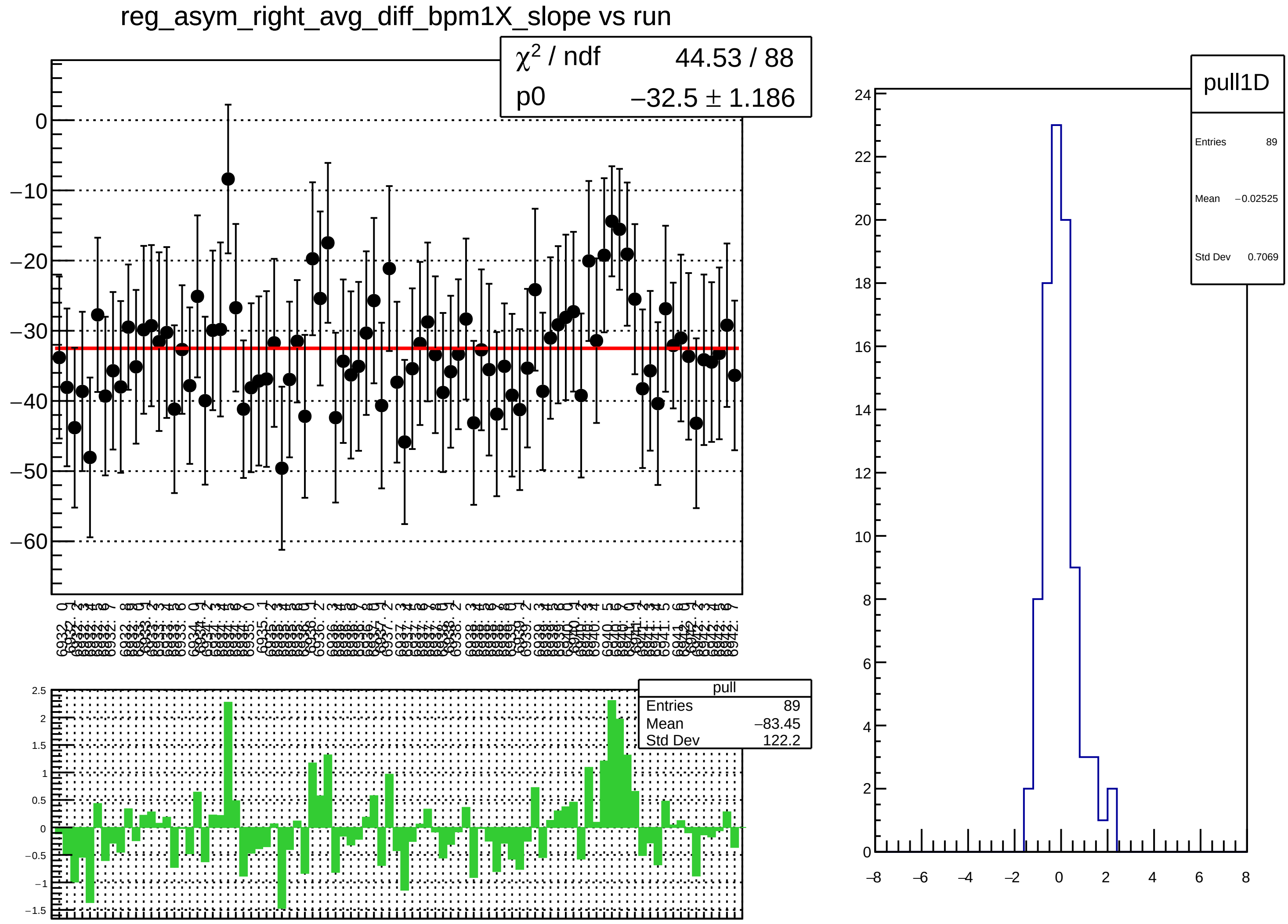


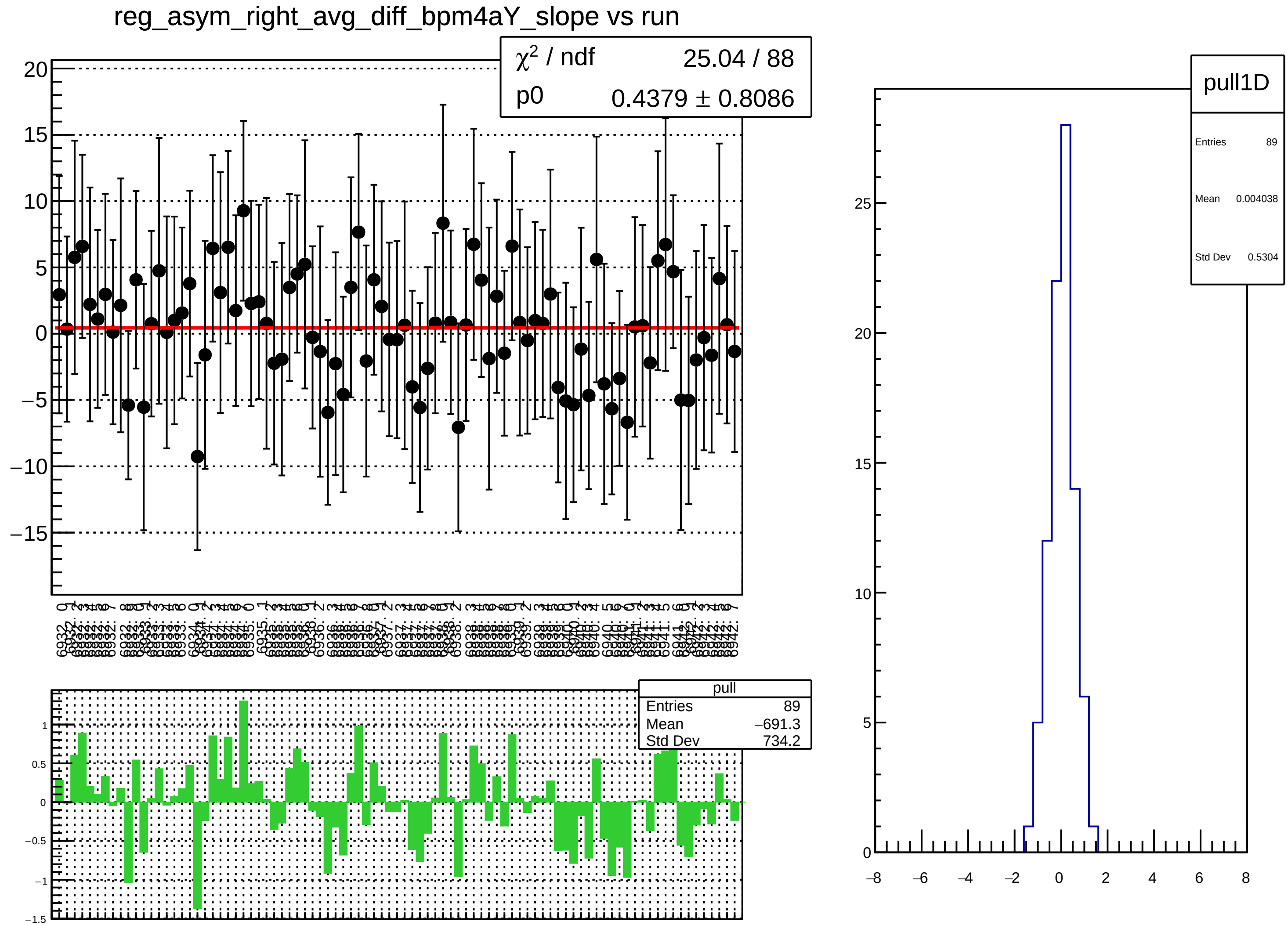
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 21.45 / 88
p0 6.301 ± 1.154
pull
Entries 89
Mean −239.7
Std Dev 288.3
pull1D
Entries 89
Mean 0.005226
Std Dev 0.4909

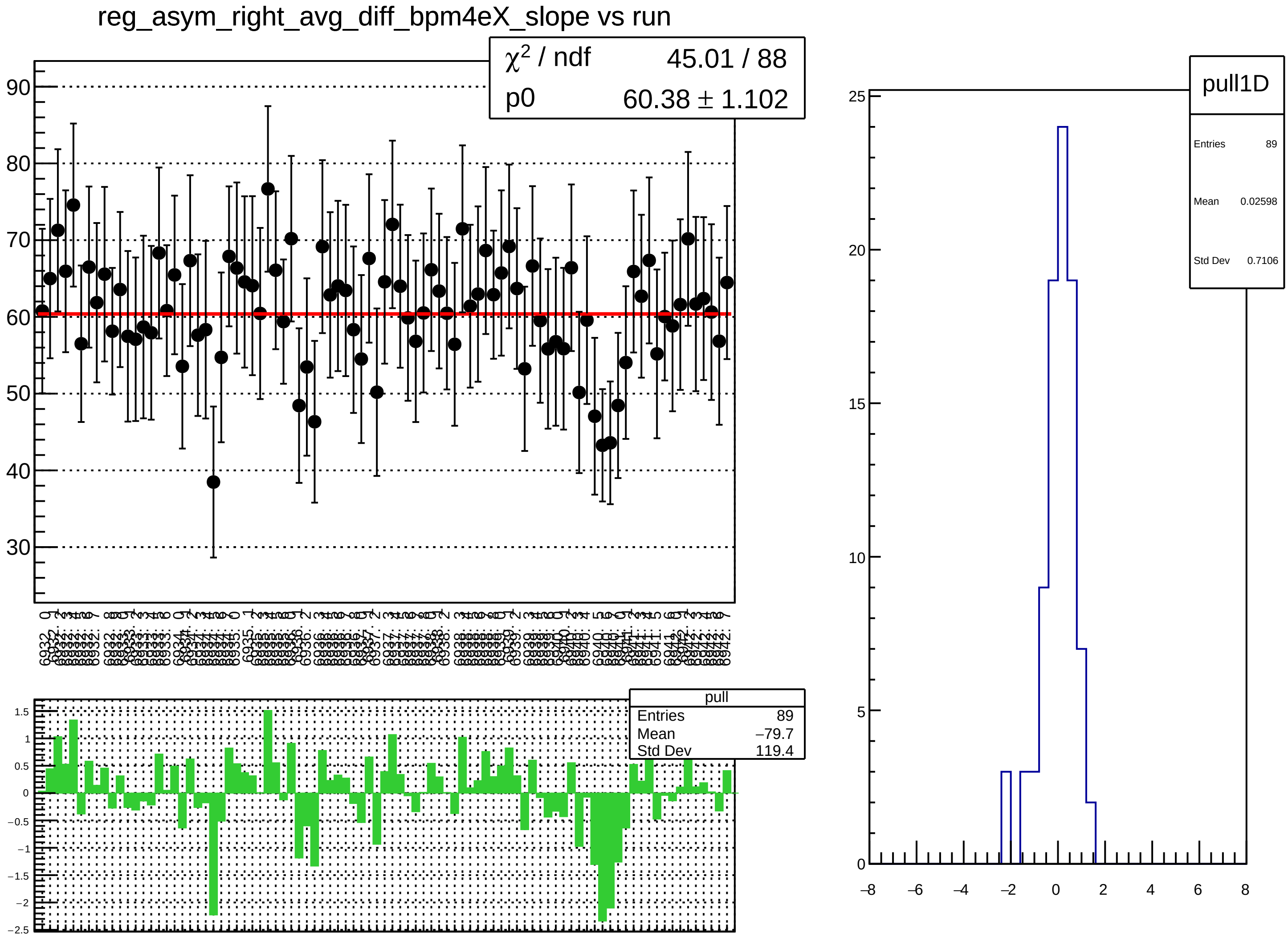


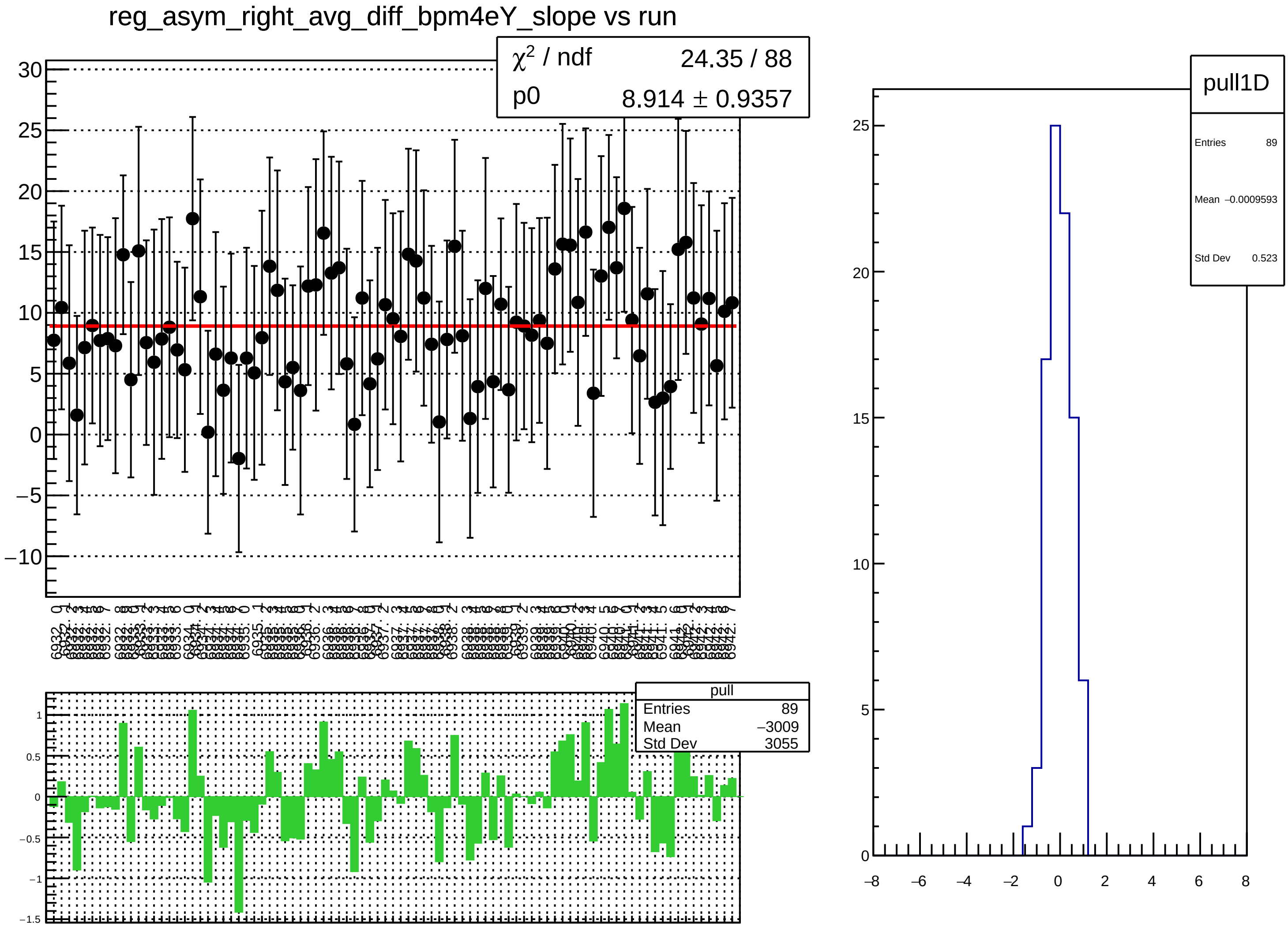
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 33.31 / 88
p0 14 ± 0.9797
pull
Entries 89
Mean 575.8
Std Dev 527.8
pull1D
Entries 89
Mean 0.003065
Std Dev 0.6117


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

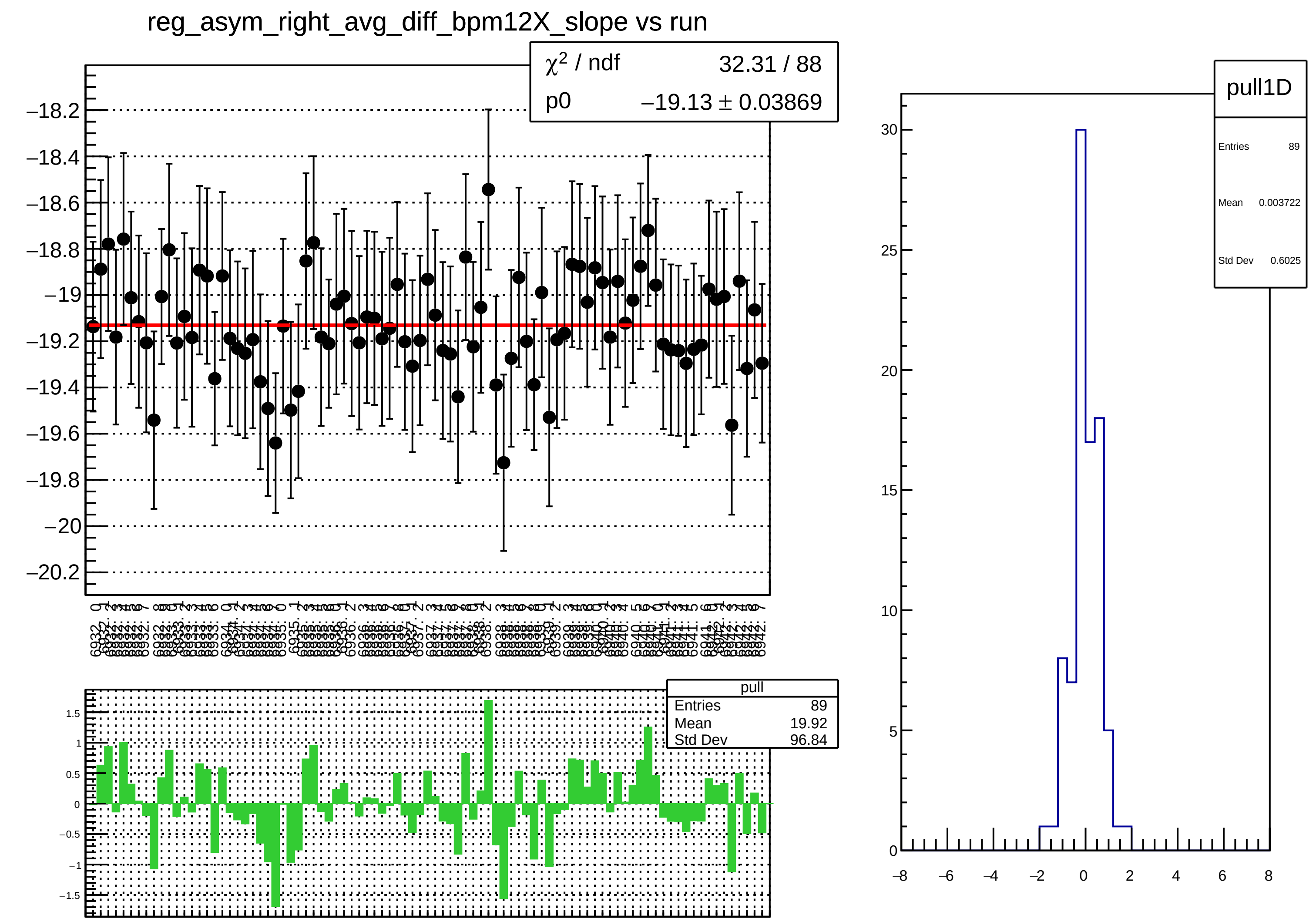

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.53 / 88
p0 −32.5 ± 1.186
pull
Entries 89
Mean −83.45
Std Dev 122.2
pull1D
Entries 89
Mean −0.02525
Std Dev 0.7069

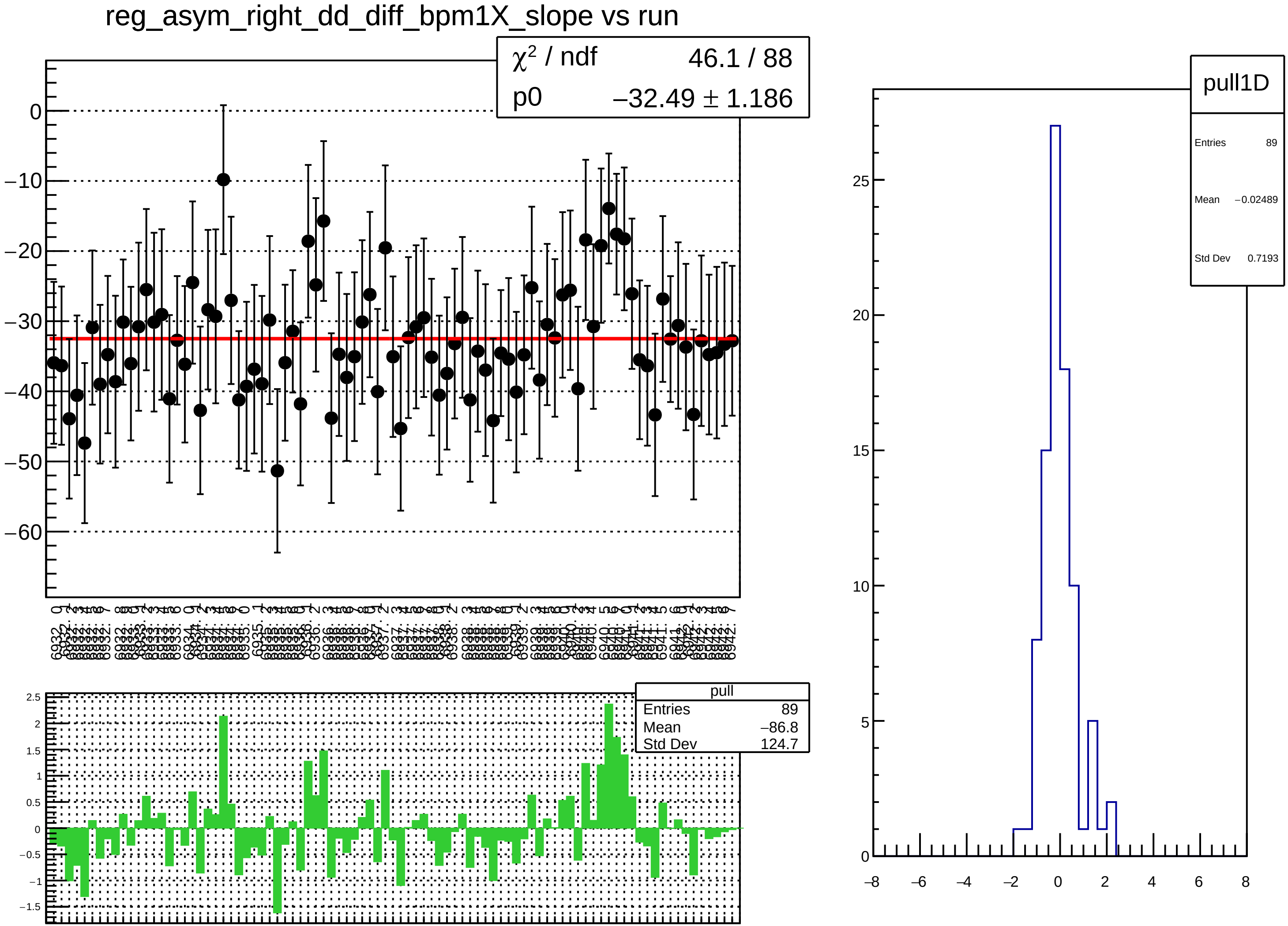

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 25.04 / 88
p0 0.4379 ± 0.8086
pull
Entries 89
Mean −691.3
Std Dev 734.2
pull1D
Entries 89
Mean 0.004038
Std Dev 0.5304


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ2 / ndf 45.01 / 88
p0 60.38 ± 1.102
pull
Entries 89
Mean −79.7
Std Dev 119.4
pull1D
Entries 89
Mean 0.02598
Std Dev 0.7106

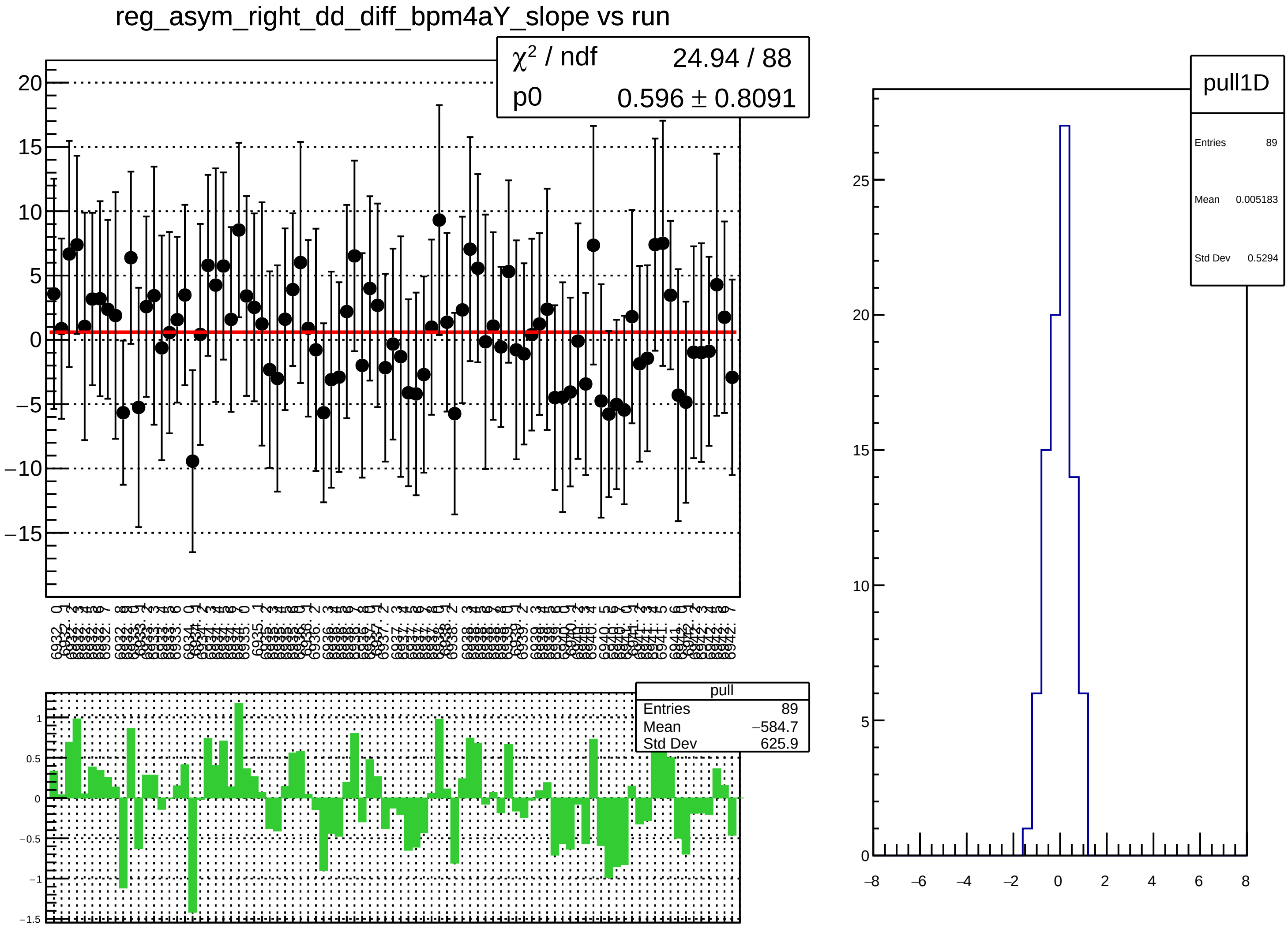


reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 24.35 / 88
p0 8.914 ± 0.9357
pull
Entries 89
Mean −3009
Std Dev 3055
pull1D
Entries 89
Mean −0.0009593
Std Dev 0.523

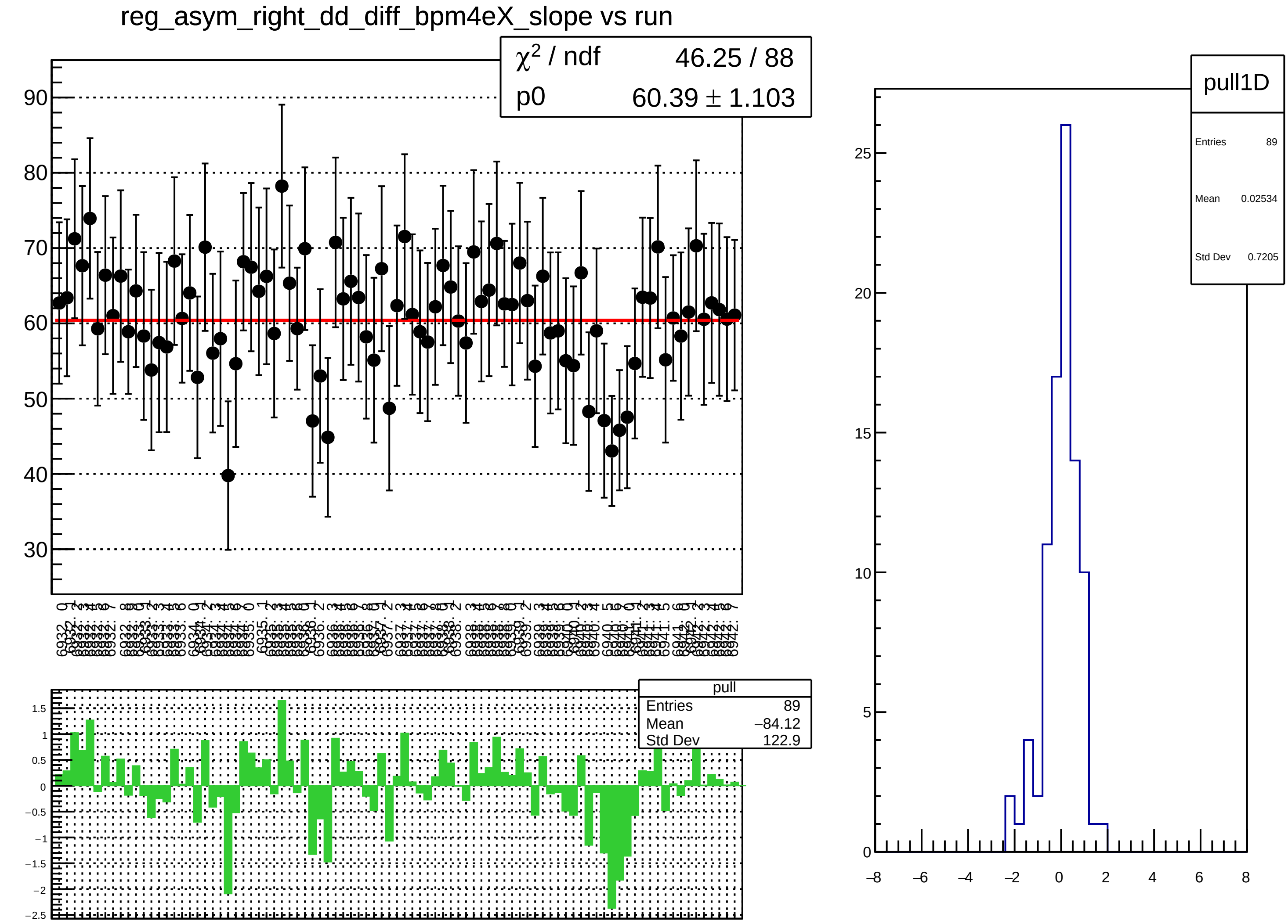

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 32.31 / 88
p0 −19.13 ± 0.03869
pull
Entries 89
Mean 19.92
Std Dev 96.84
pull1D
Entries 89
Mean 0.003722
Std Dev 0.6025

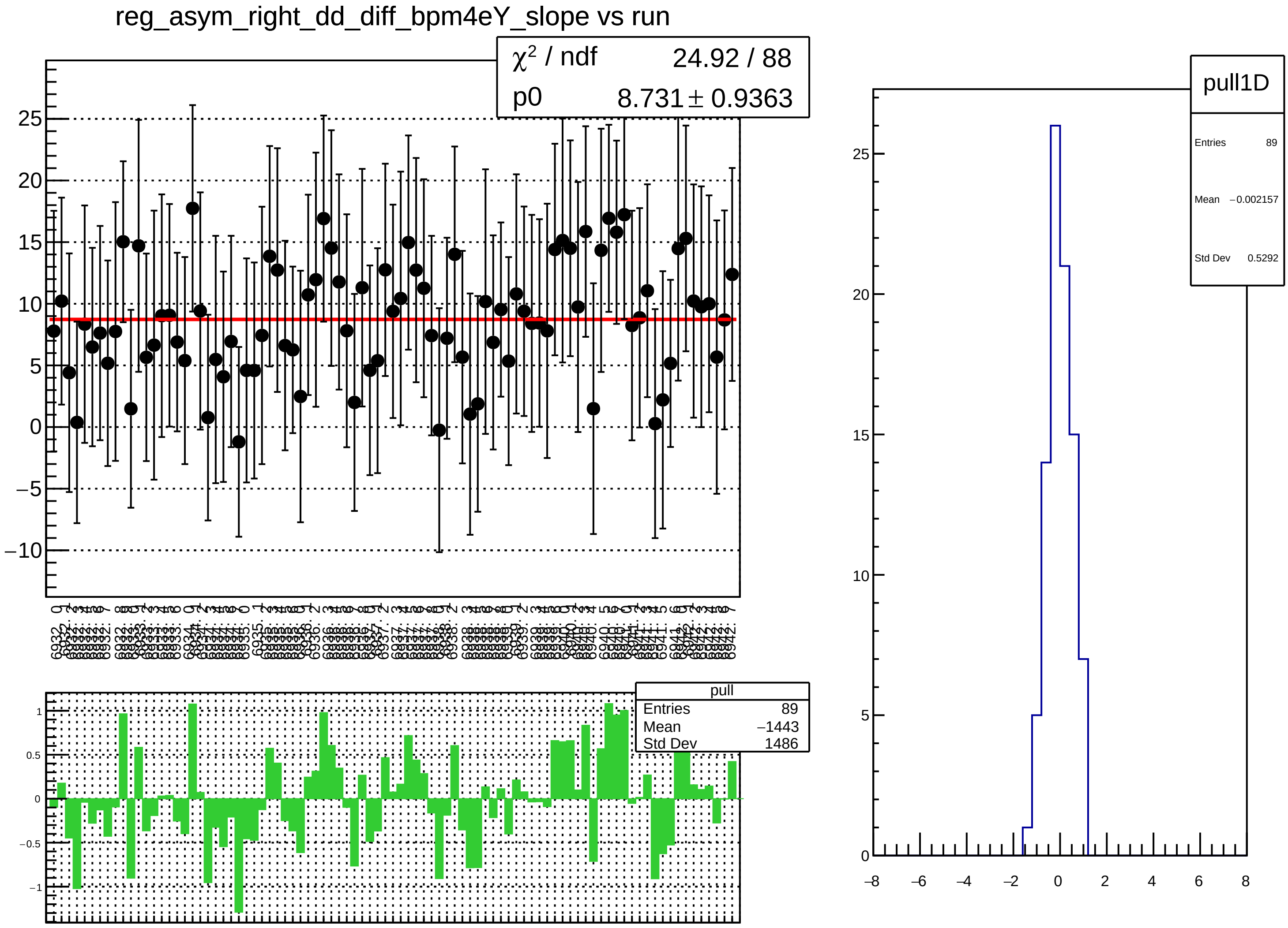


reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 46.1 / 88
p0 −32.49 ± 1.186
pull
Entries 89
Mean −86.8
Std Dev 124.7
pull1D
Entries 89
Mean −0.02489
Std Dev 0.7193

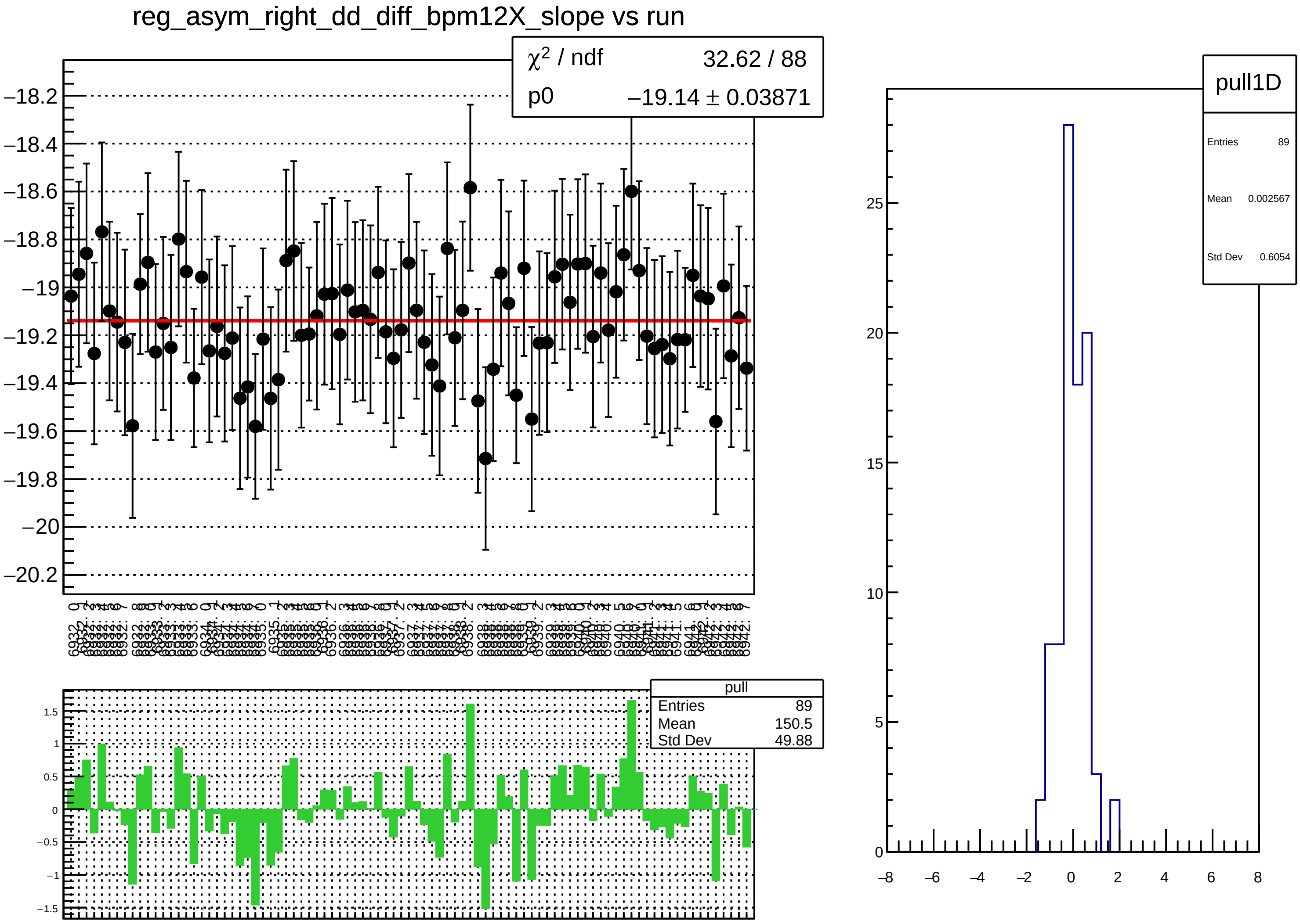


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.94 / 88
p0 0.596 ± 0.8091
pull
Entries 89
Mean −584.7
Std Dev 625.9
pull1D
Entries 89
Mean 0.005183
Std Dev 0.5294

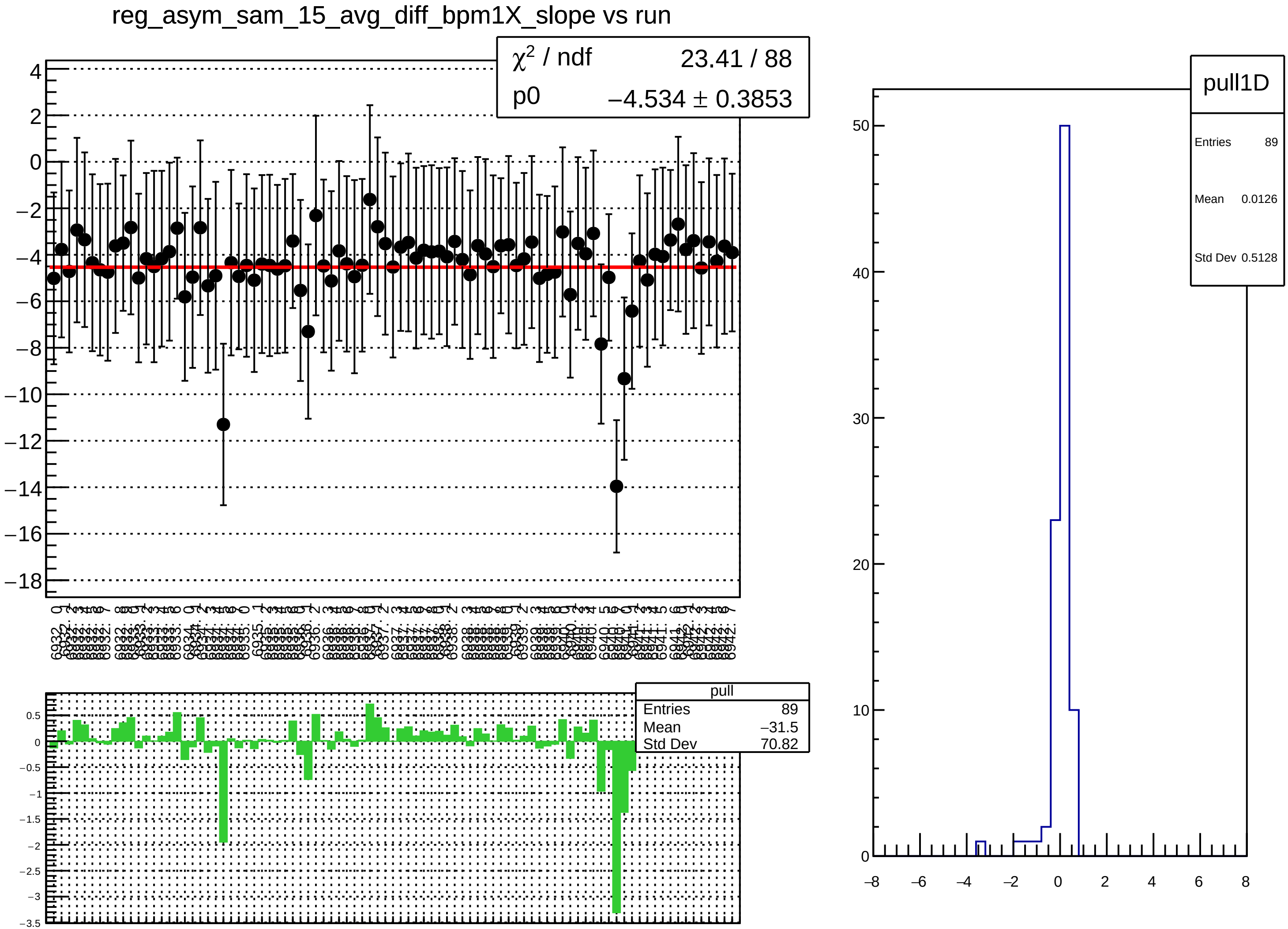

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ2 / ndf 46.25 / 88
p0 60.39 ± 1.103
pull
Entries 89
Mean −84.12
Std Dev 122.9
pull1D
Entries 89
Mean 0.02534
Std Dev 0.7205



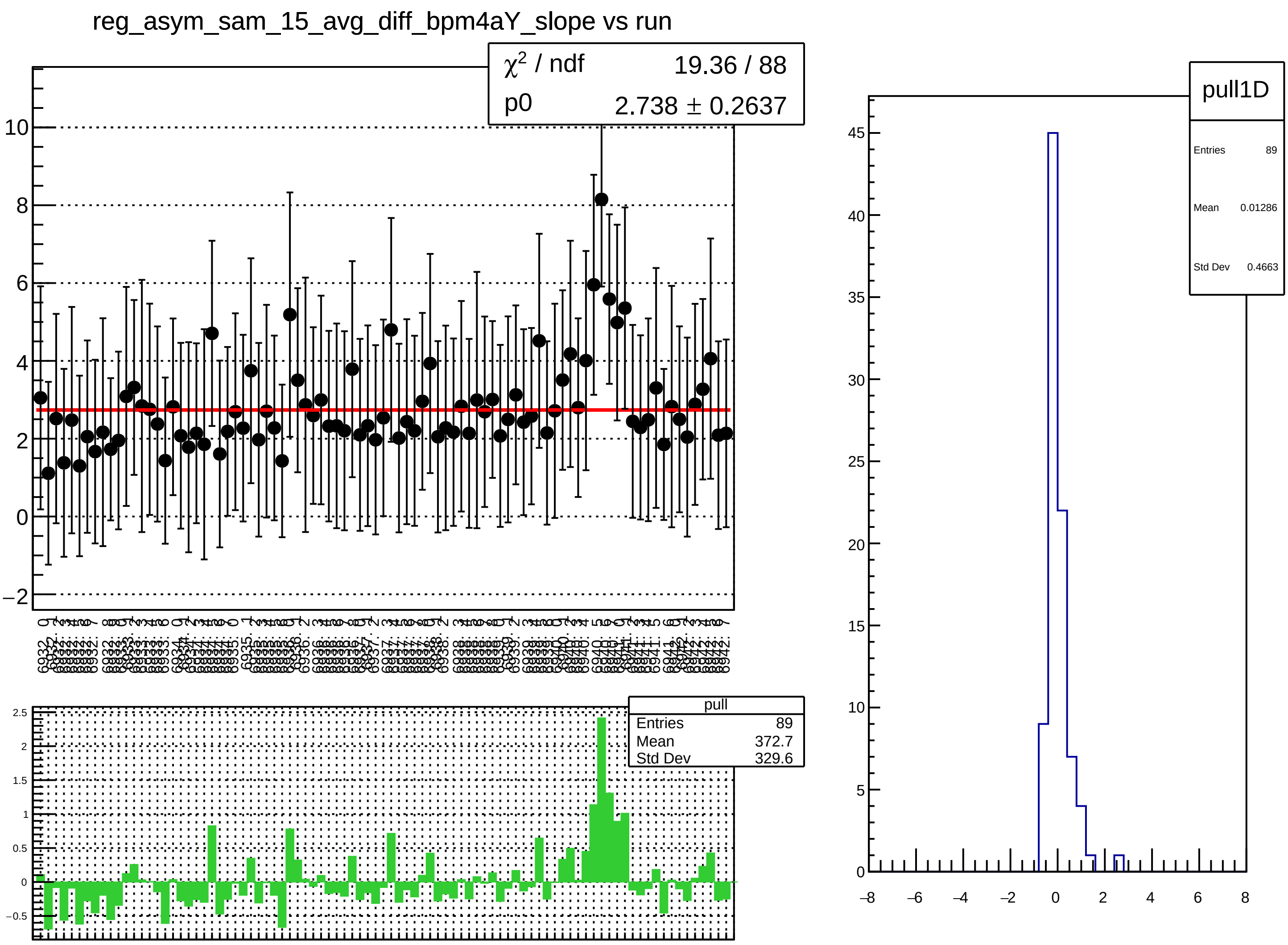
reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 24.92 / 88
p0 8.731 ± 0.9363
pull
Entries 89
Mean −1443
Std Dev 1486
pull1D
Entries 89
Mean −0.002157
Std Dev 0.5292

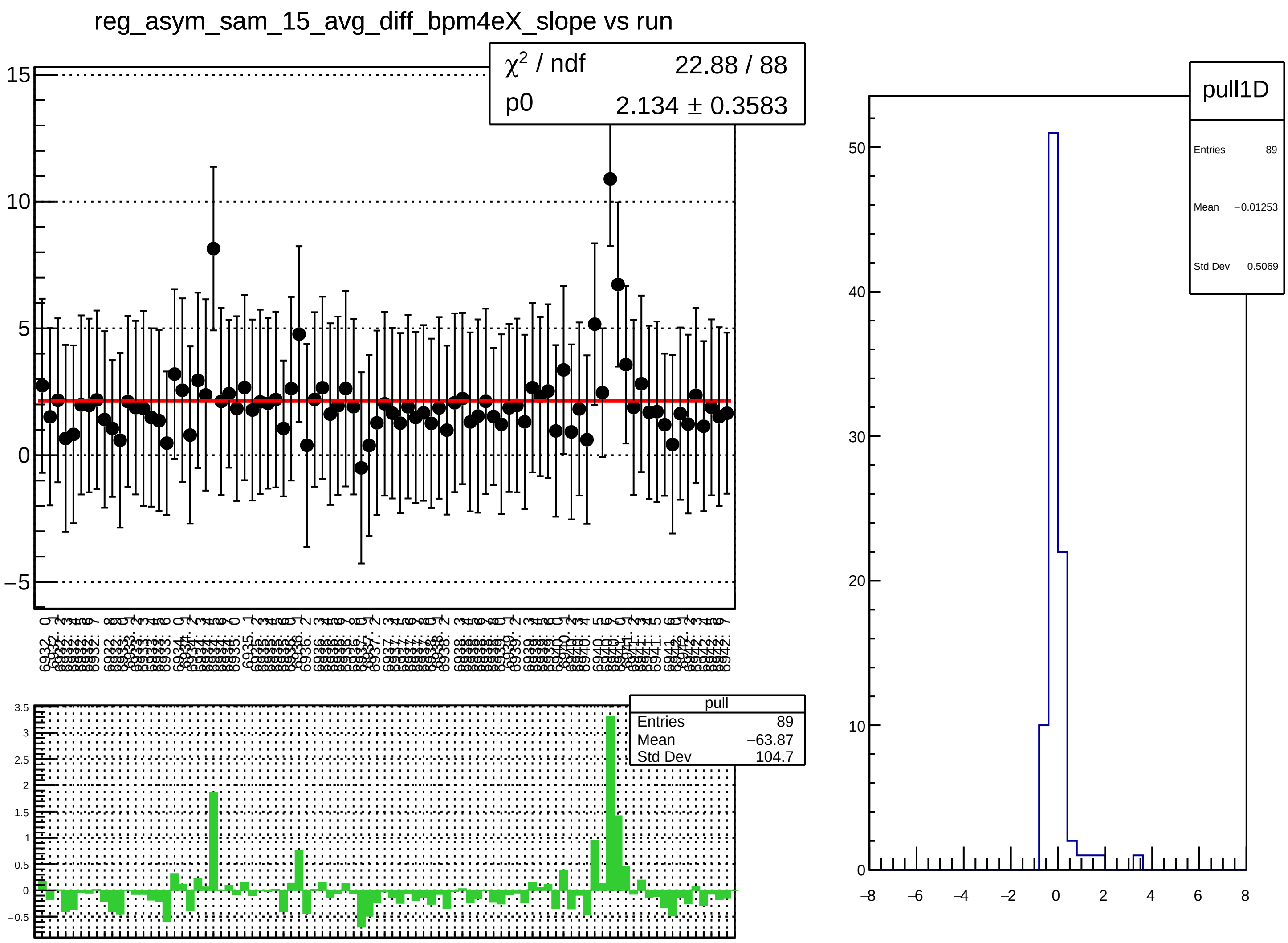


reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 32.62 / 88
p0 −19.14 ± 0.03871
pull
Entries 89
Mean 150.5
Std Dev 49.88
pull1D
Entries 89
Mean 0.002567
Std Dev 0.6054

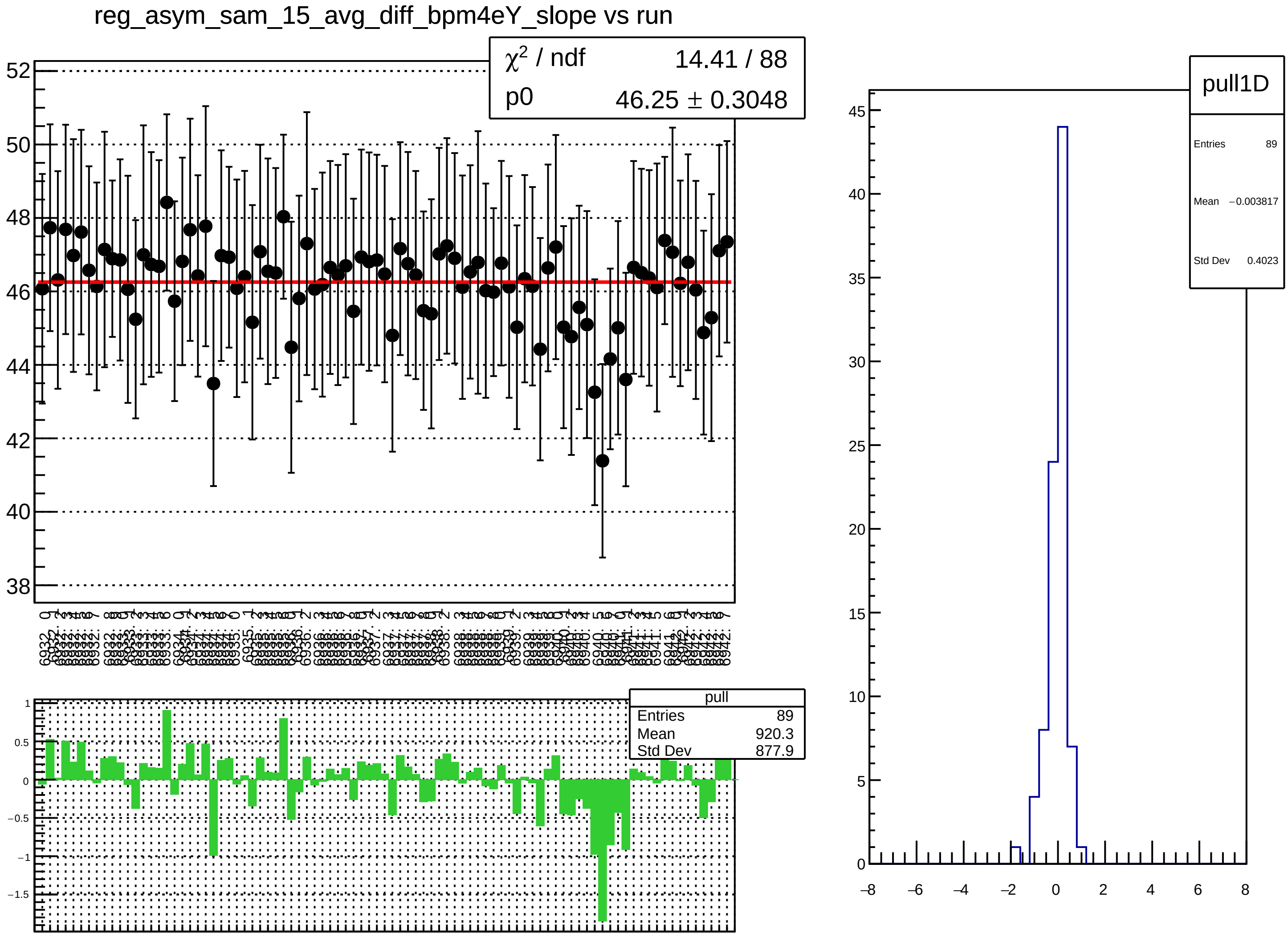


reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 23.41 / 88
p0 −4.534 ± 0.3853
pull
Entries 89
Mean −31.5
Std Dev 70.82
pull1D
Entries 89
Mean 0.0126
Std Dev 0.5128

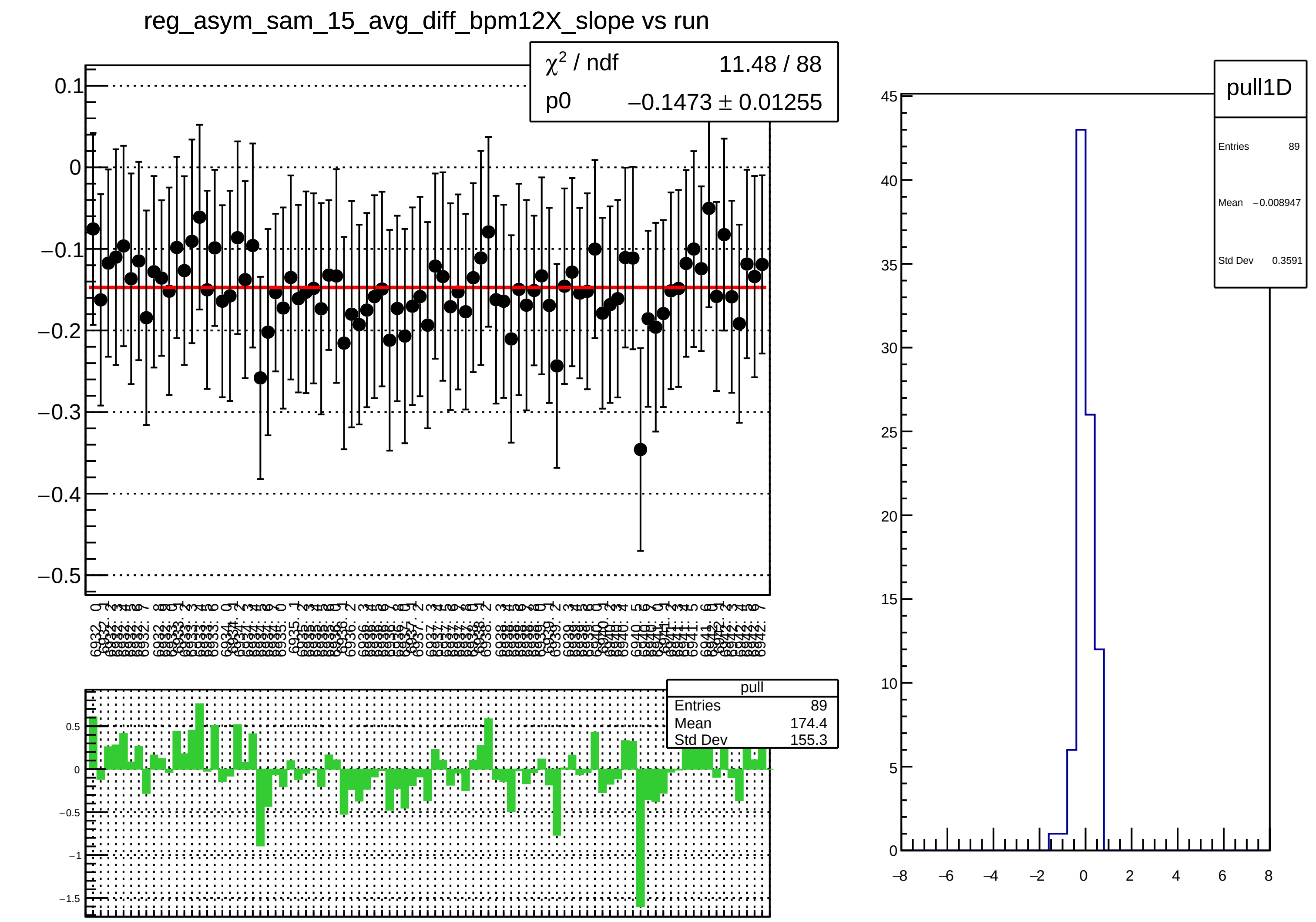

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 19.36 / 88
p0 2.738 ± 0.2637
pull
Entries 89
Mean 372.7
Std Dev 329.6
pull1D
Entries 89
Mean 0.01286
Std Dev 0.4663



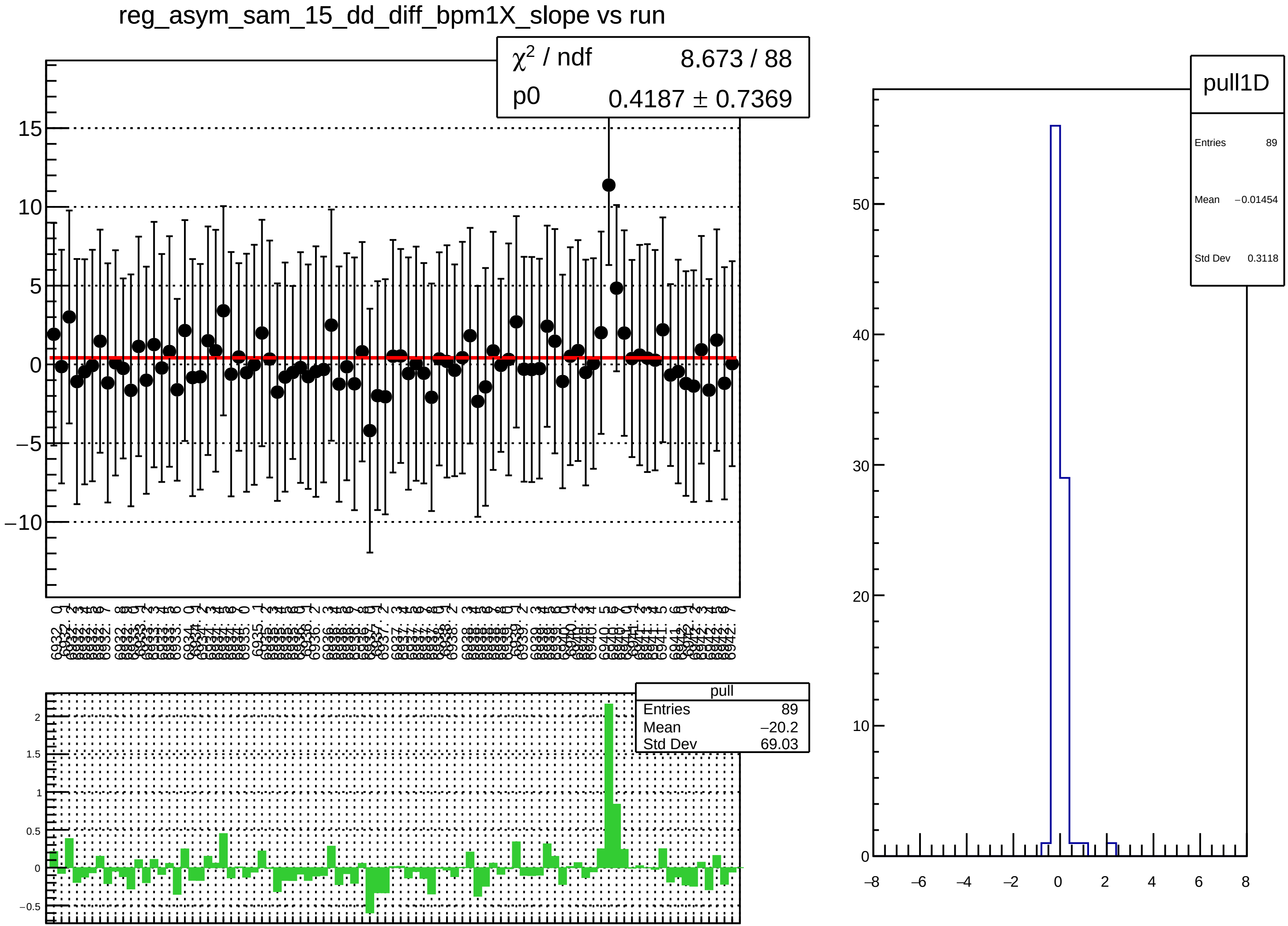
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 22.88 / 88
p0 2.134 ± 0.3583
pull
Entries 89
Mean −63.87
Std Dev 104.7
pull1D
Entries 89
Mean −0.01253
Std Dev 0.5069



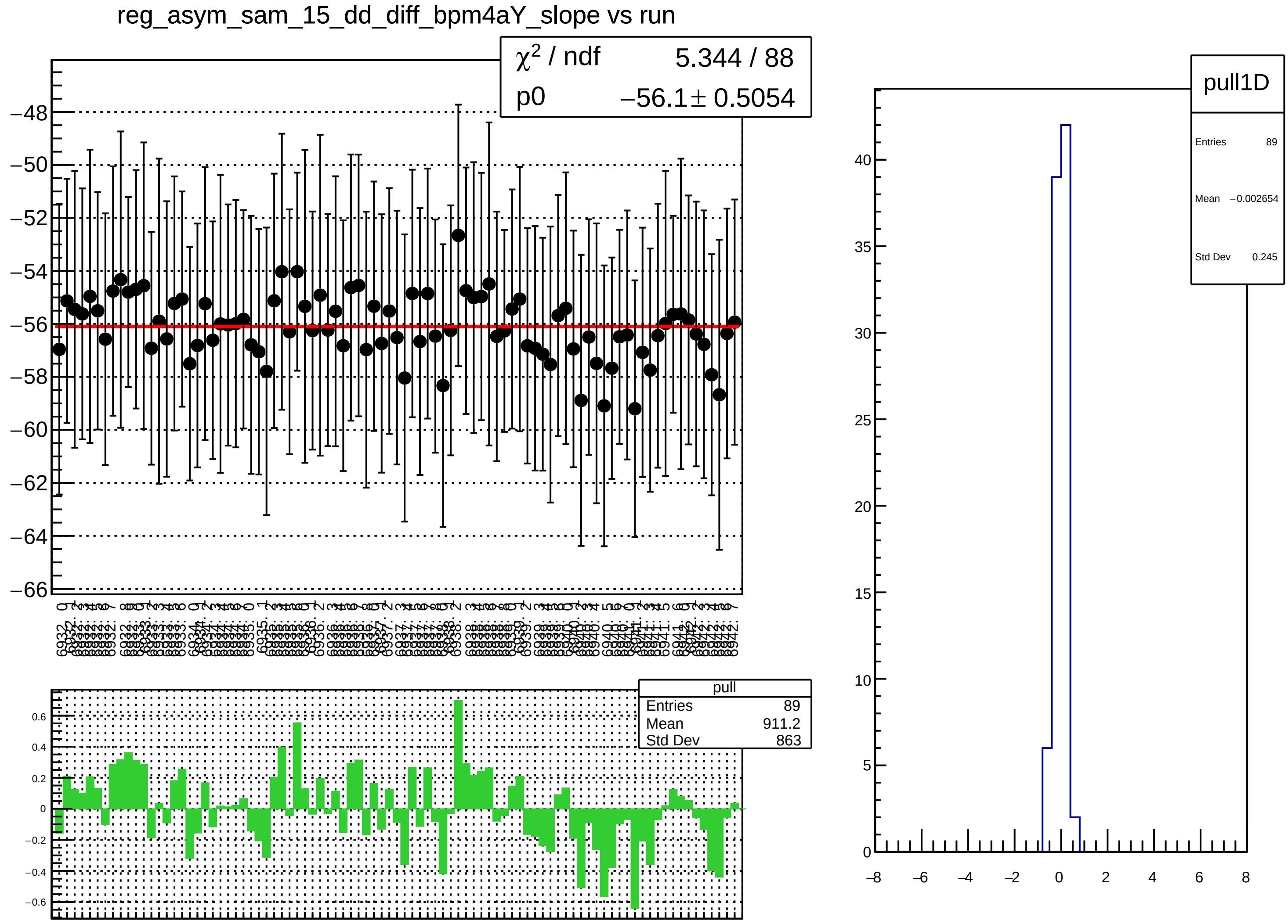
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.41 / 88
p0 46.25 ± 0.3048
pull
Entries 89
Mean 920.3
Std Dev 877.9
pull1D
Entries 89
Mean −0.003817
Std Dev 0.4023



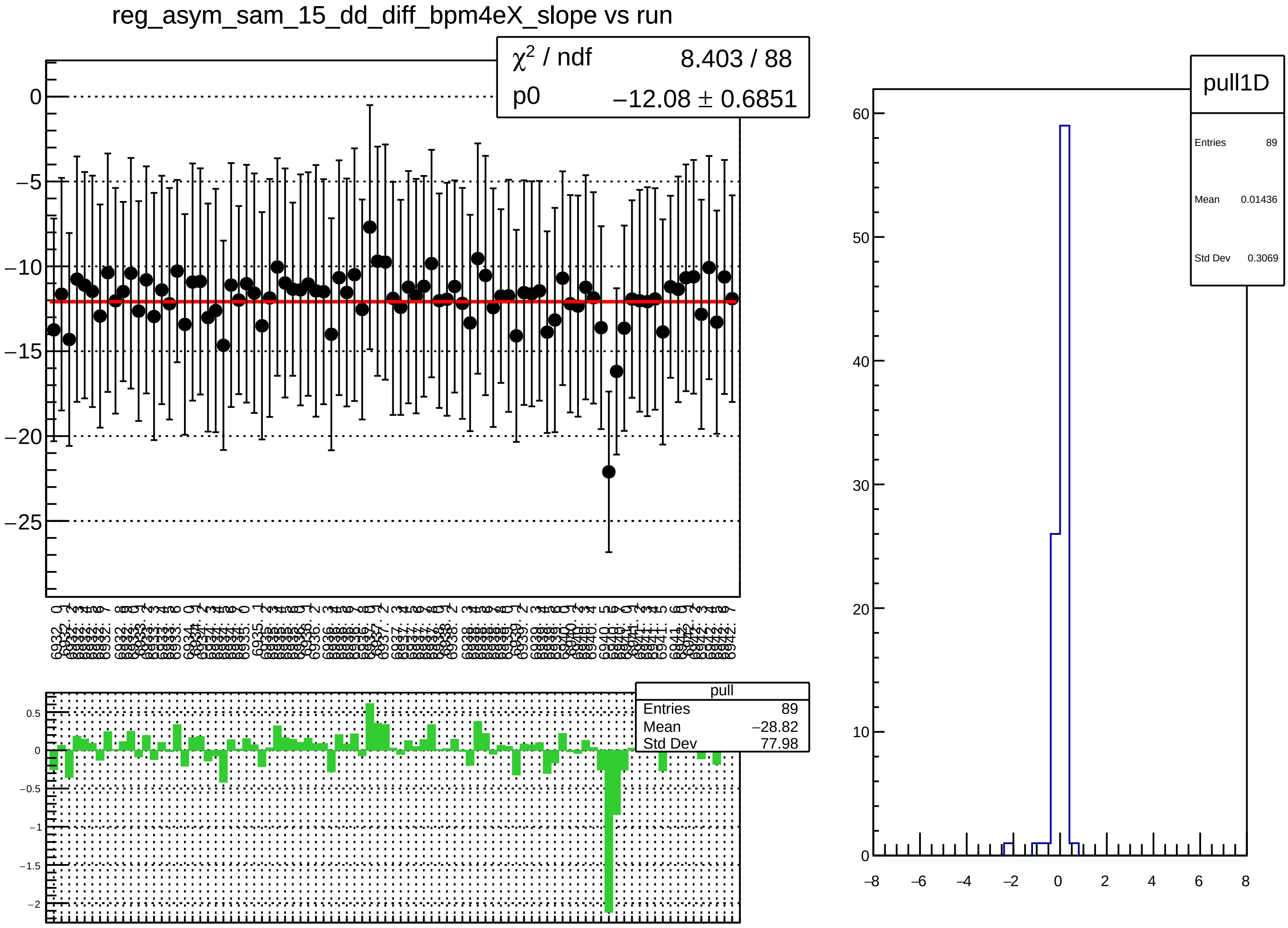
reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.48 / 88
p0 −0.1473 ± 0.01255
pull
Entries 89
Mean 174.4
Std Dev 155.3
pull1D
Entries 89
Mean −0.008947
Std Dev 0.3591



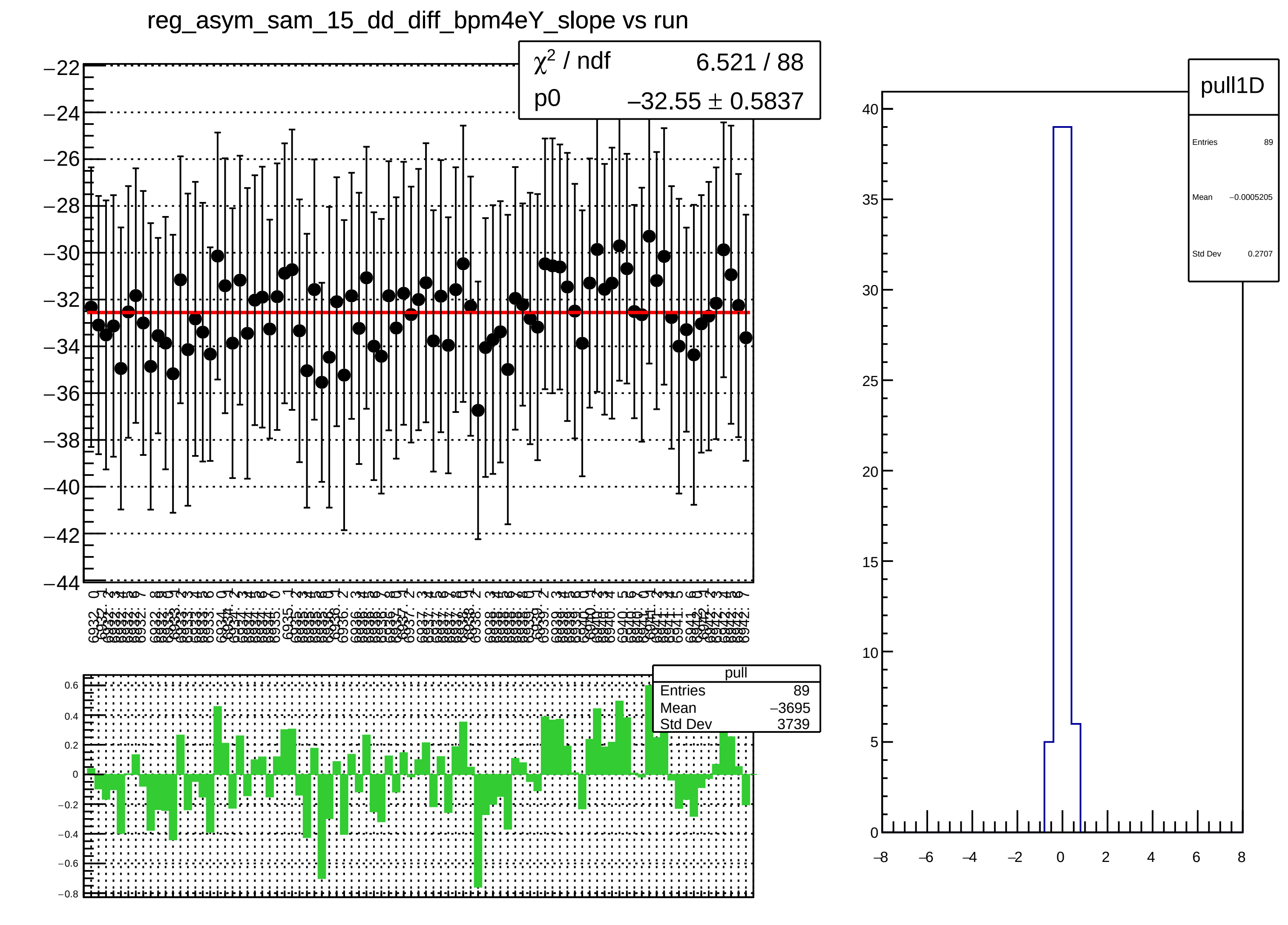
reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ2 / ndf 8.673 / 88
p0 0.4187 ± 0.7369
pull
Entries 89
Mean −20.2
Std Dev 69.03
pull1D
Entries 89
Mean −0.01454
Std Dev 0.3118



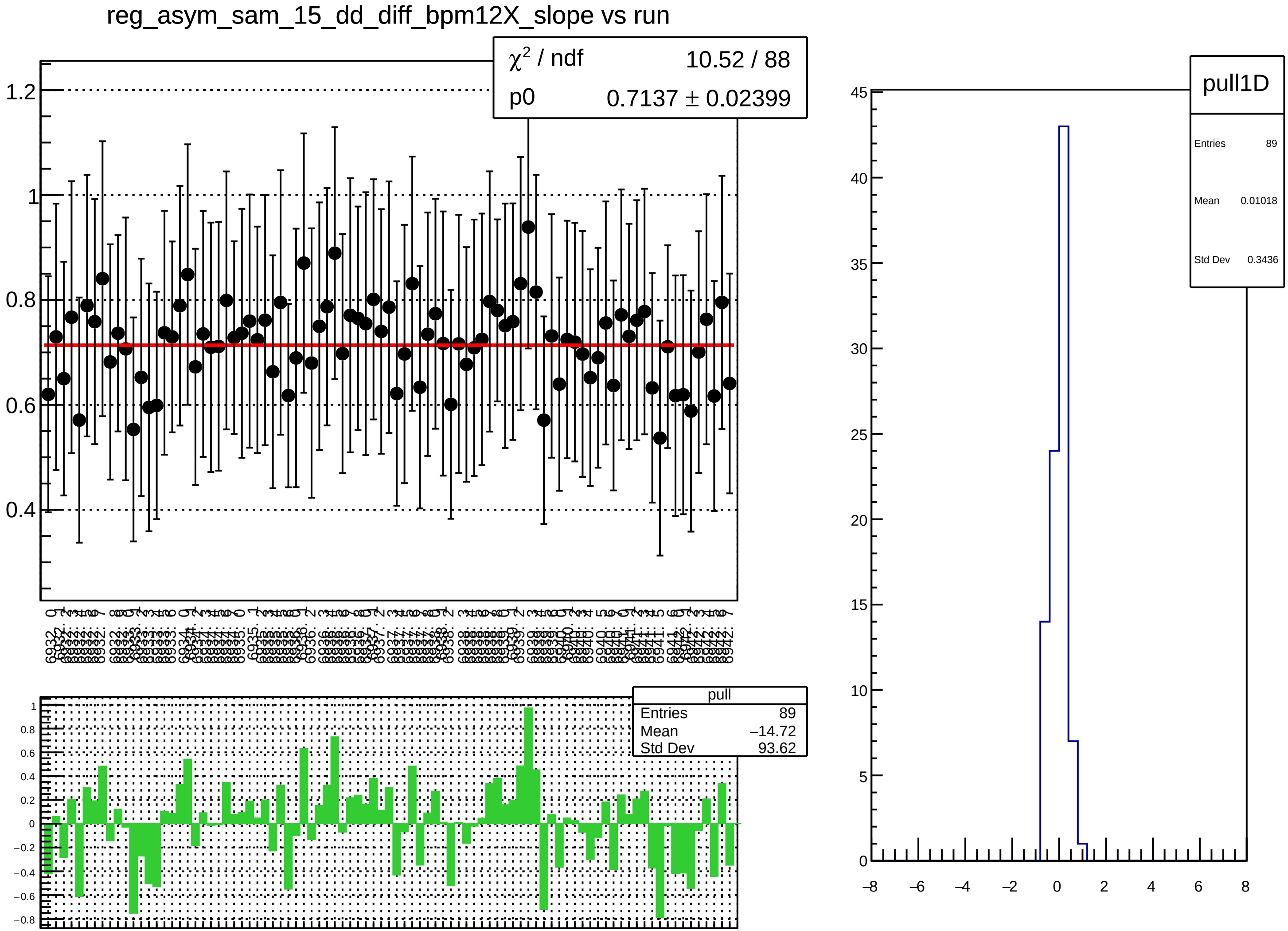
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.344 / 88
p0 −56.1 ± 0.5054
pull
Entries 89
Mean 911.2
Std Dev 863
pull1D
Entries 89
Mean −0.002654
Std Dev 0.245



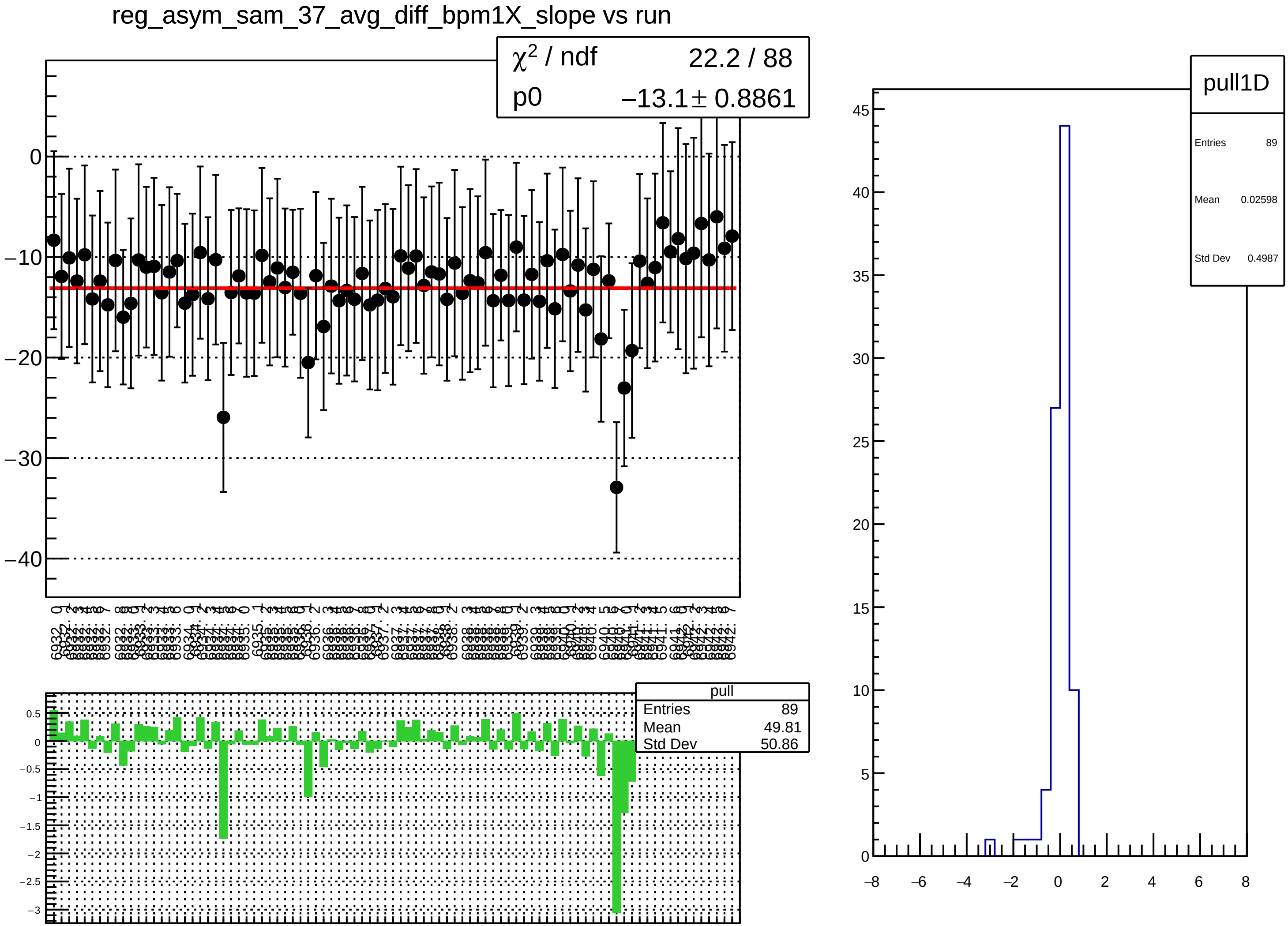
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.403 / 88
p0 −12.08 ± 0.6851
pull
Entries 89
Mean −28.82
Std Dev 77.98
pull1D
Entries 89
Mean 0.01436
Std Dev 0.3069



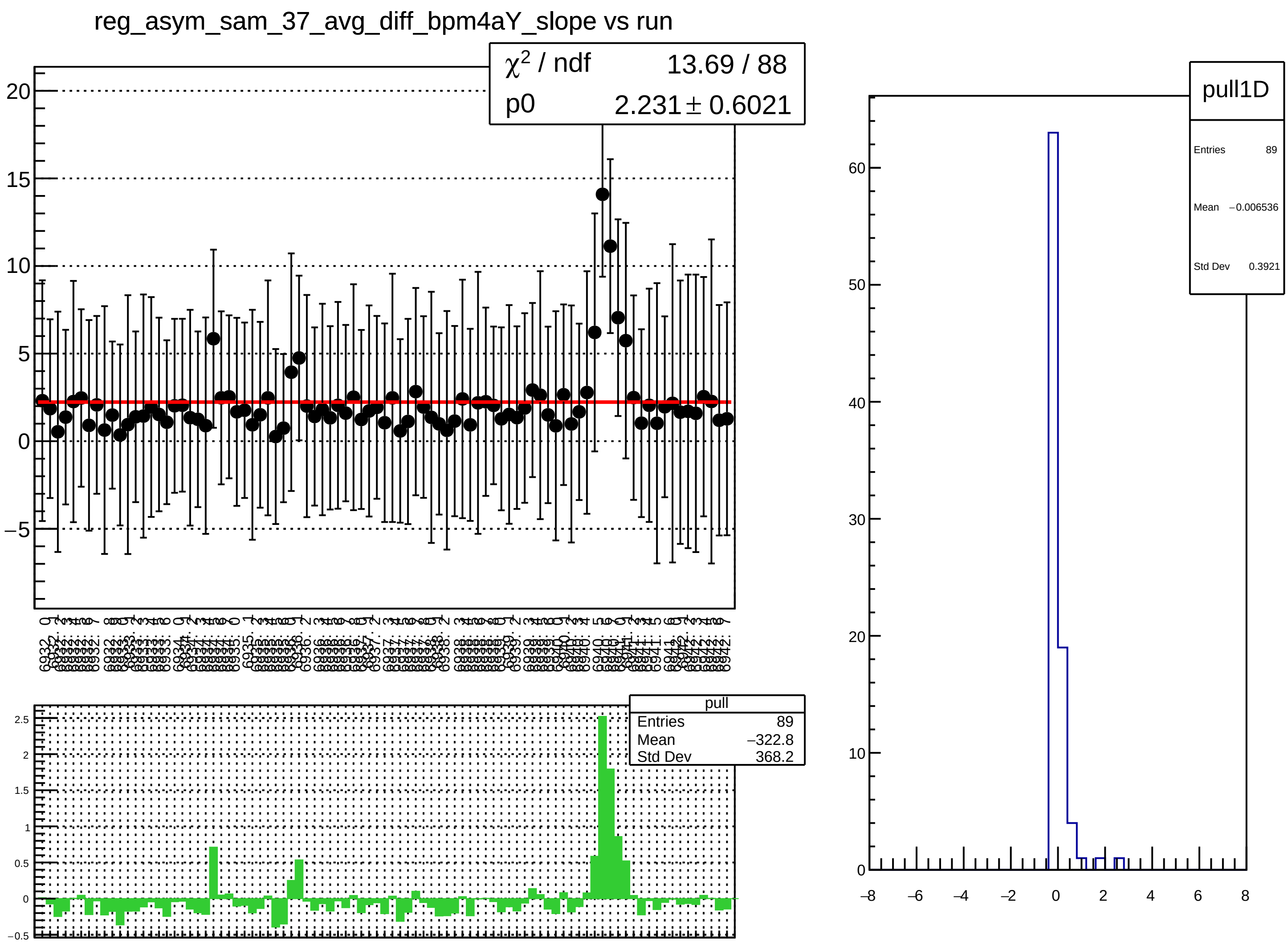
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.521 / 88
p0 −32.55 ± 0.5837
pull
Entries 89
Mean −3695
Std Dev 3739
pull1D
Entries 89
Mean −0.0005205
Std Dev 0.2707



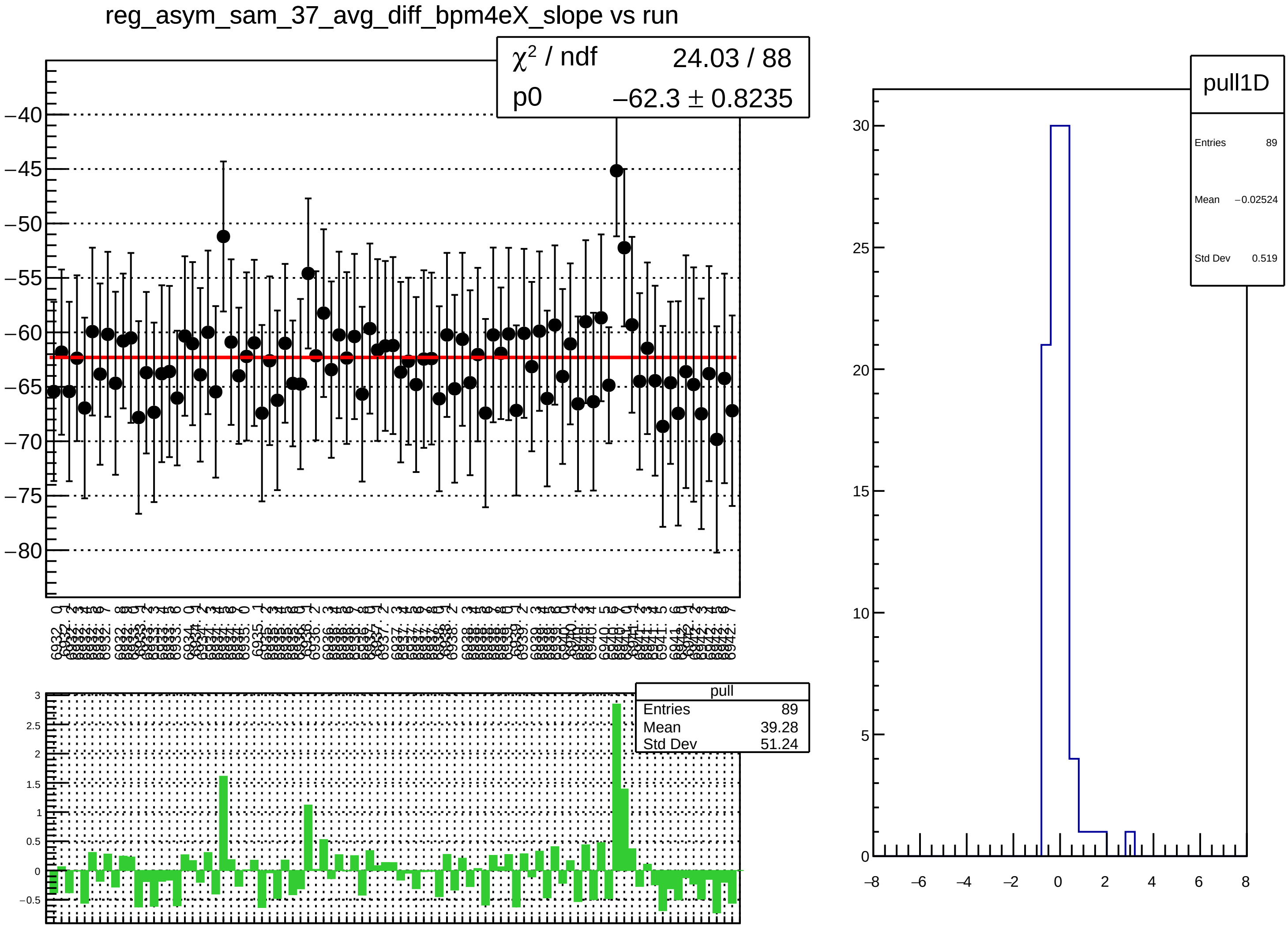
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.52 / 88
p0 0.7137 ± 0.02399
pull
Entries 89
Mean −14.72
Std Dev 93.62
pull1D
Entries 89
Mean 0.01018
Std Dev 0.3436



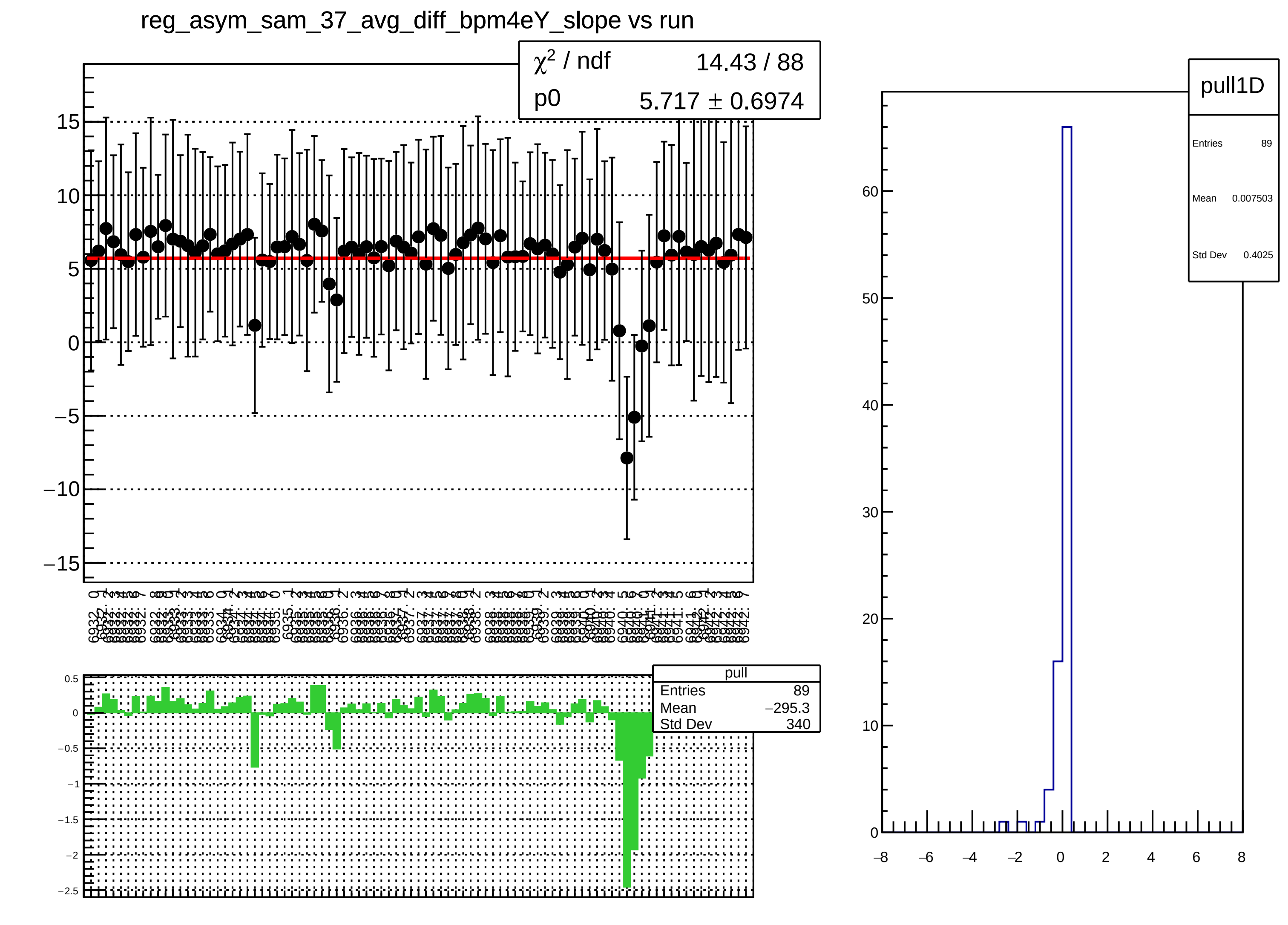
reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 22.2 / 88
p0 −13.1 ± 0.8861
pull
Entries 89
Mean 49.81
Std Dev 50.86
pull1D
Entries 89
Mean 0.02598
Std Dev 0.4987



reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 13.69 / 88
p0 2.231 ± 0.6021
pull
Entries 89
Mean −322.8
Std Dev 368.2
pull1D
Entries 89
Mean −0.006536
Std Dev 0.3921

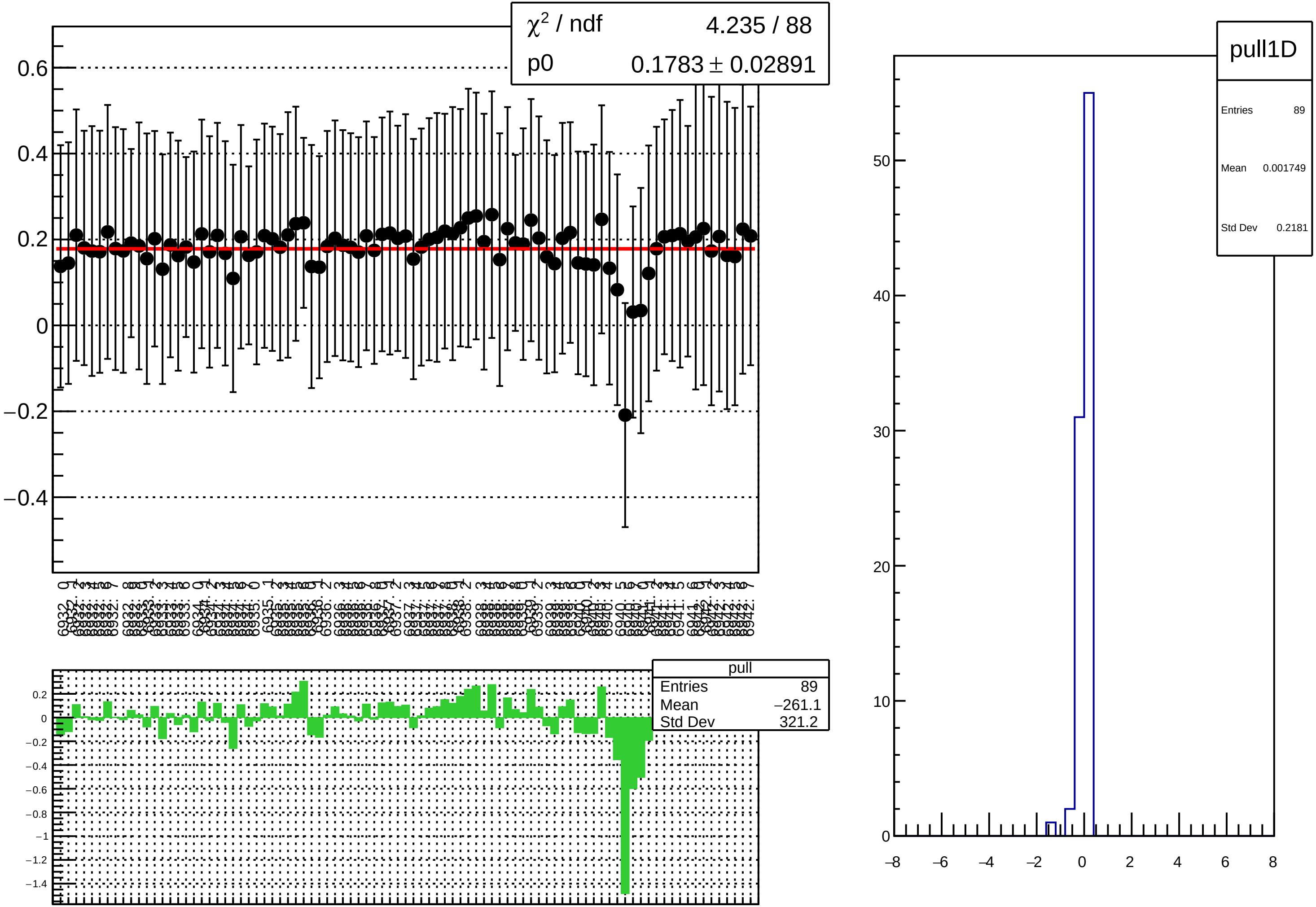


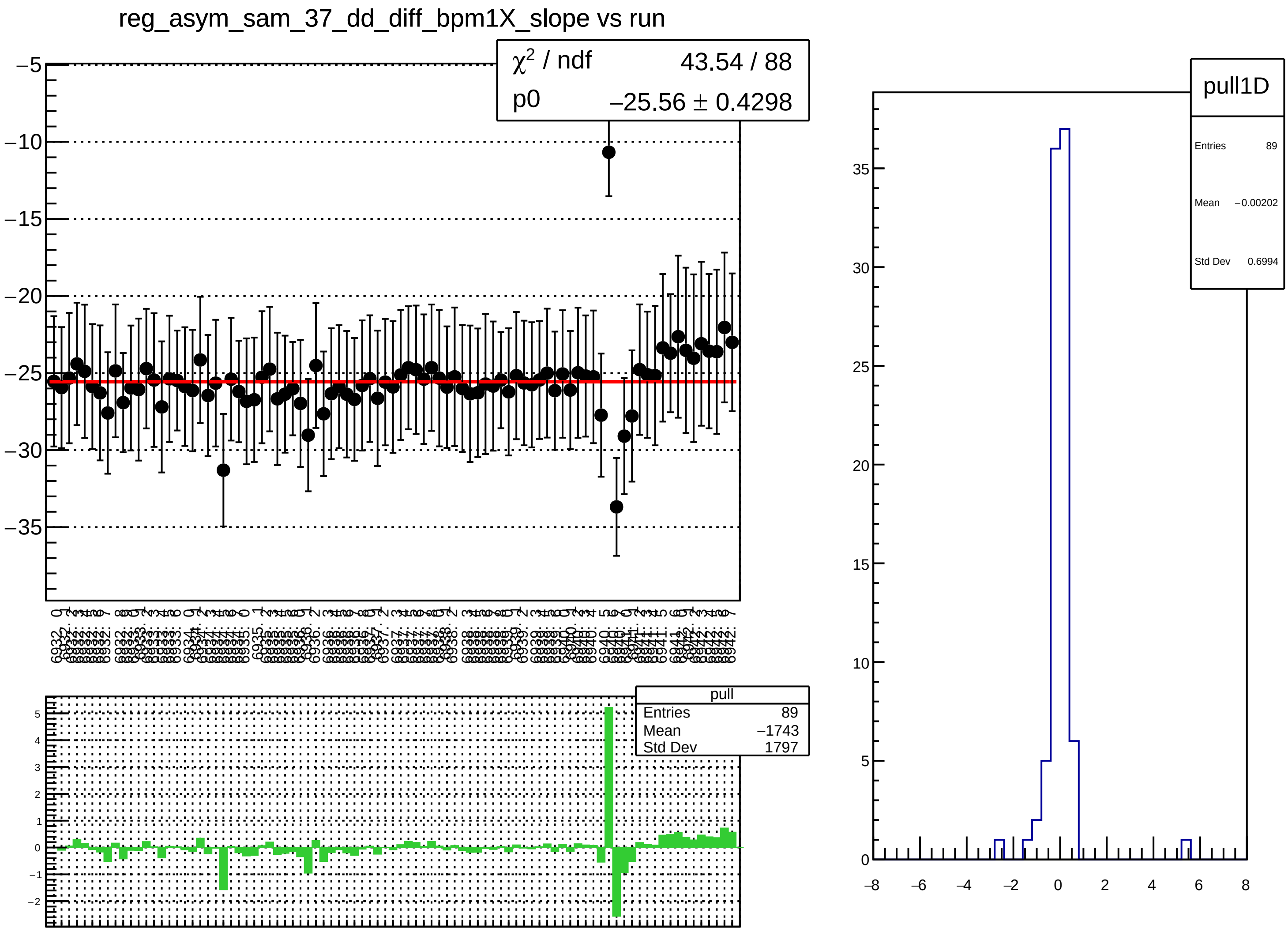
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.03 / 88
p0 −62.3 ± 0.8235
pull
Entries 89
Mean 39.28
Std Dev 51.24
pull1D
Entries 89
Mean −0.02524
Std Dev 0.519

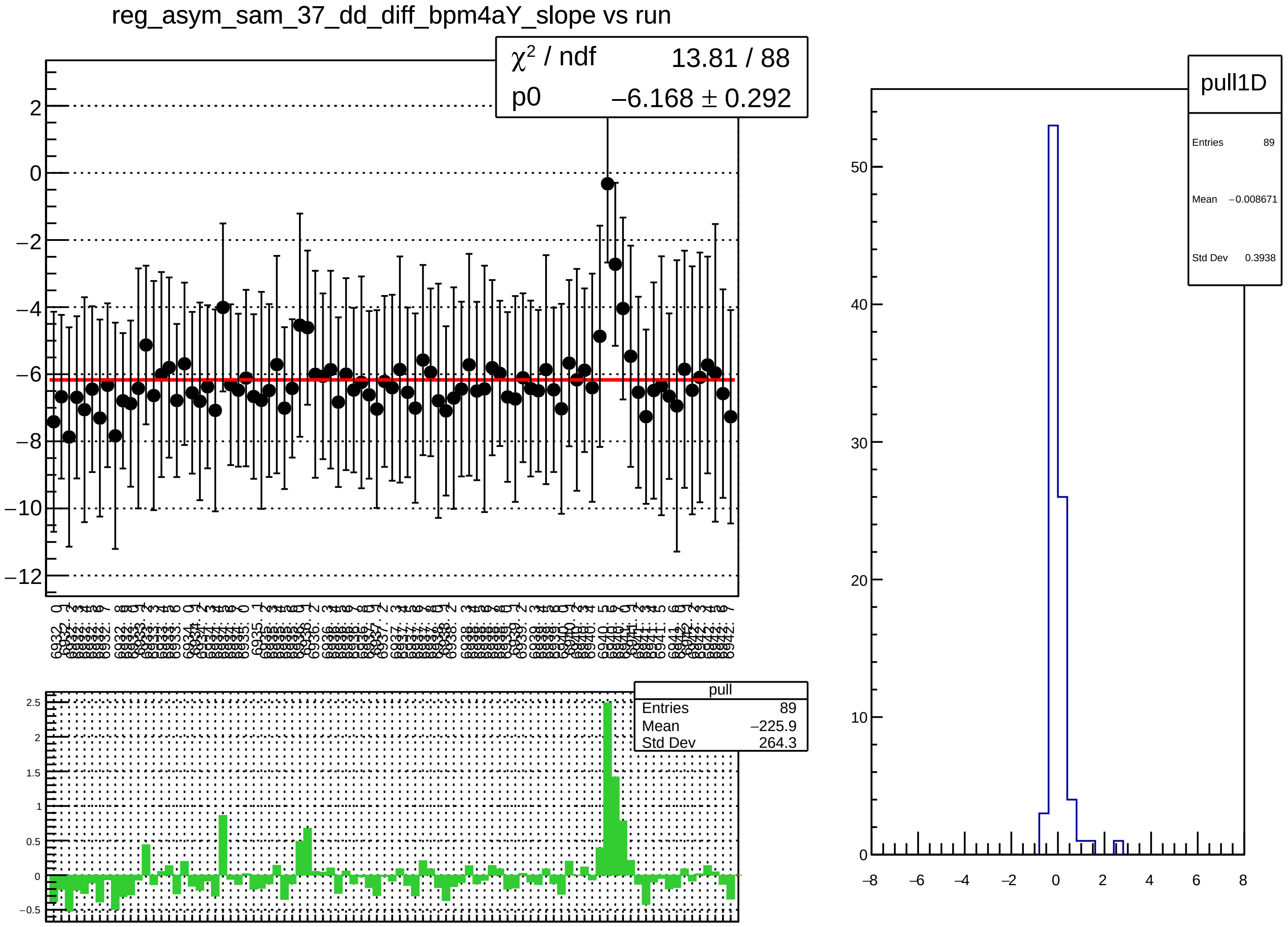


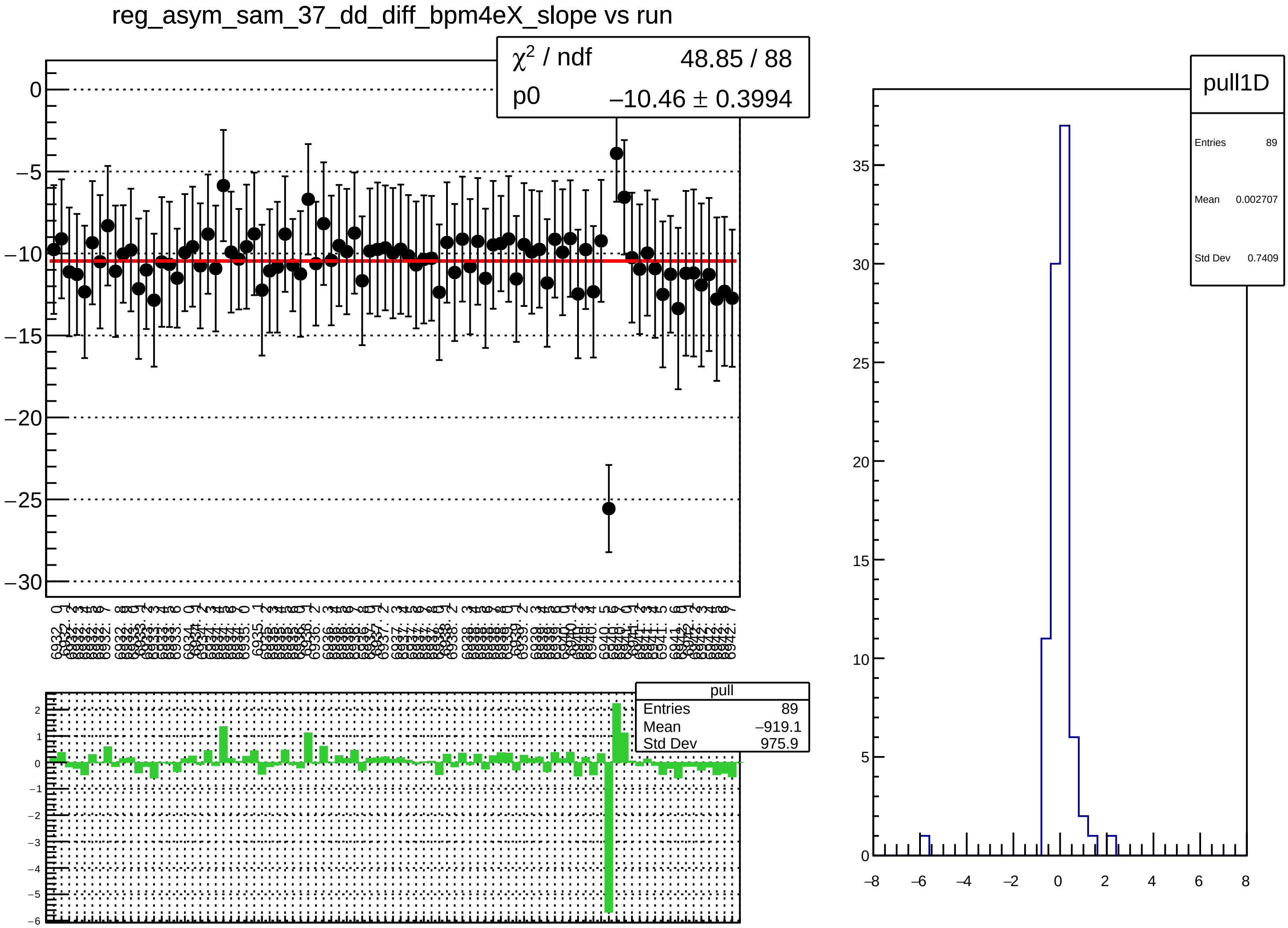
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ2 / ndf 14.43 / 88
p0 5.717 ± 0.6974
pull
Entries 89
Mean −295.3
Std Dev 340
pull1D
Entries 89
Mean 0.007503
Std Dev 0.4025

reg_asym_sam_37_avg_diff_bpm12X_slope vs run

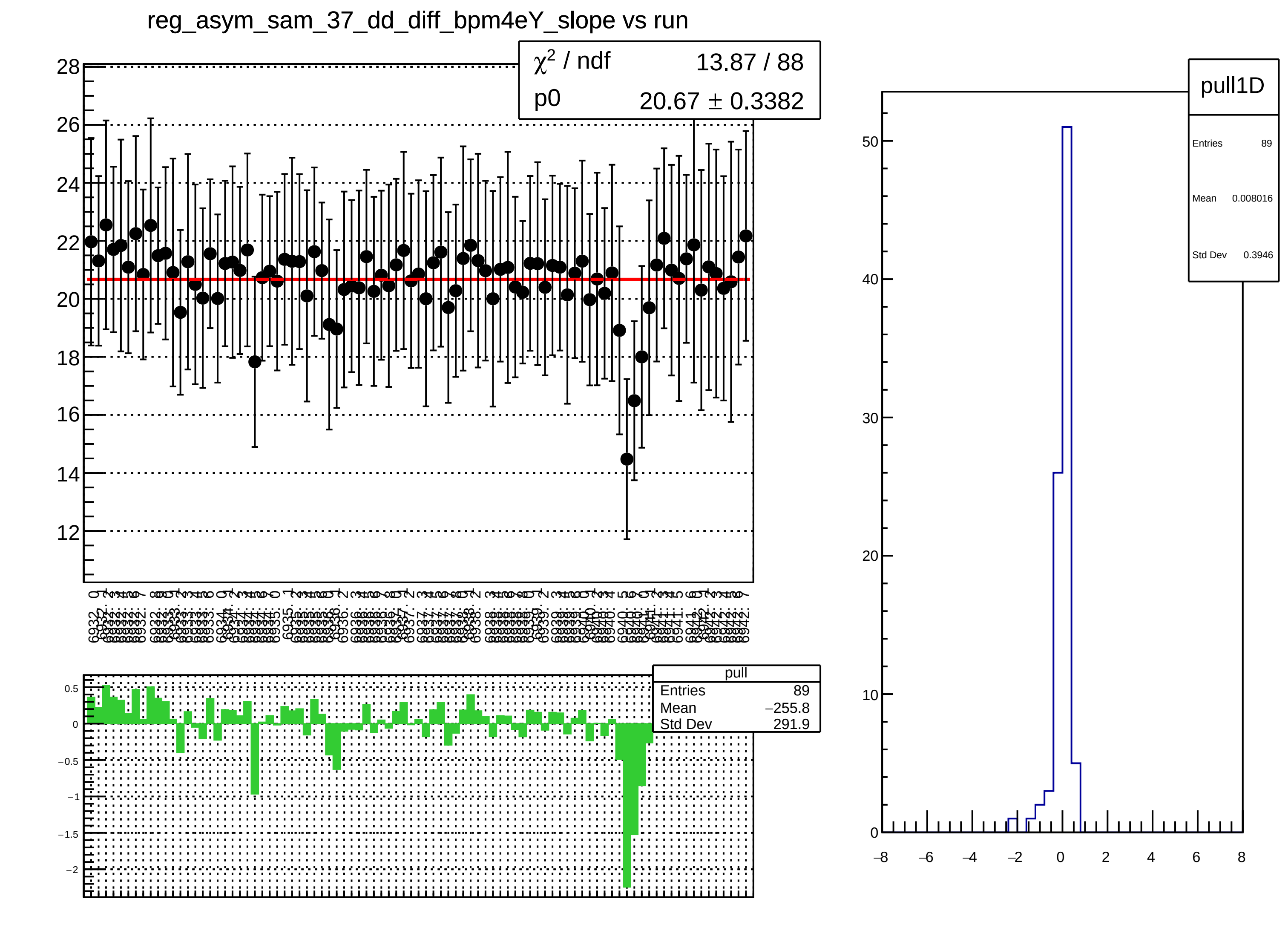



reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 43.54 / 88
p0 −25.56 ± 0.4298
pull
Entries 89
Mean −1743
Std Dev 1797
pull1D
Entries 89
Mean −0.00202
Std Dev 0.6994

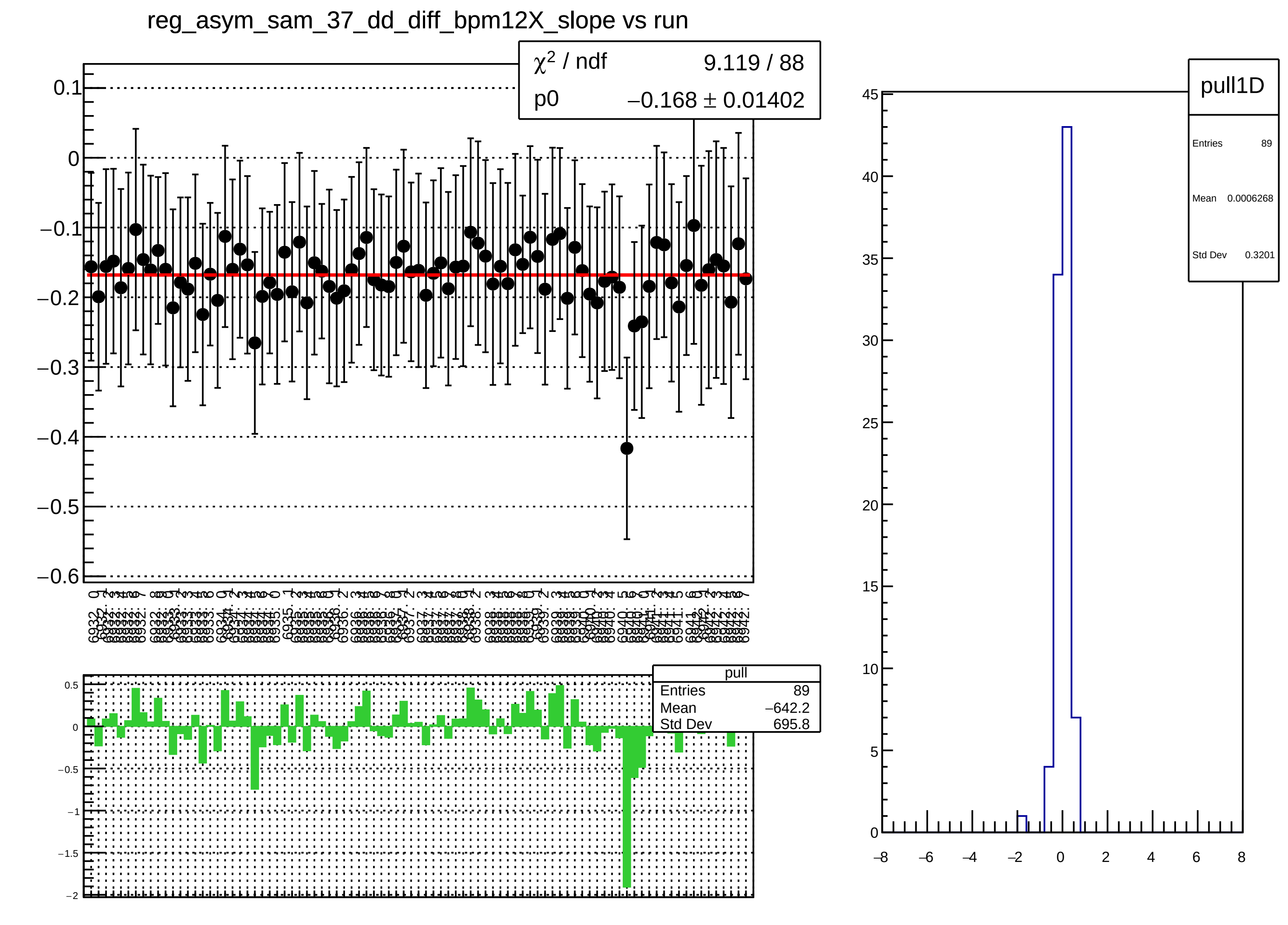

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 13.81 / 88
p0 −6.168 ± 0.292
pull
Entries 89
Mean −225.9
Std Dev 264.3
pull1D
Entries 89
Mean −0.008671
Std Dev 0.3938



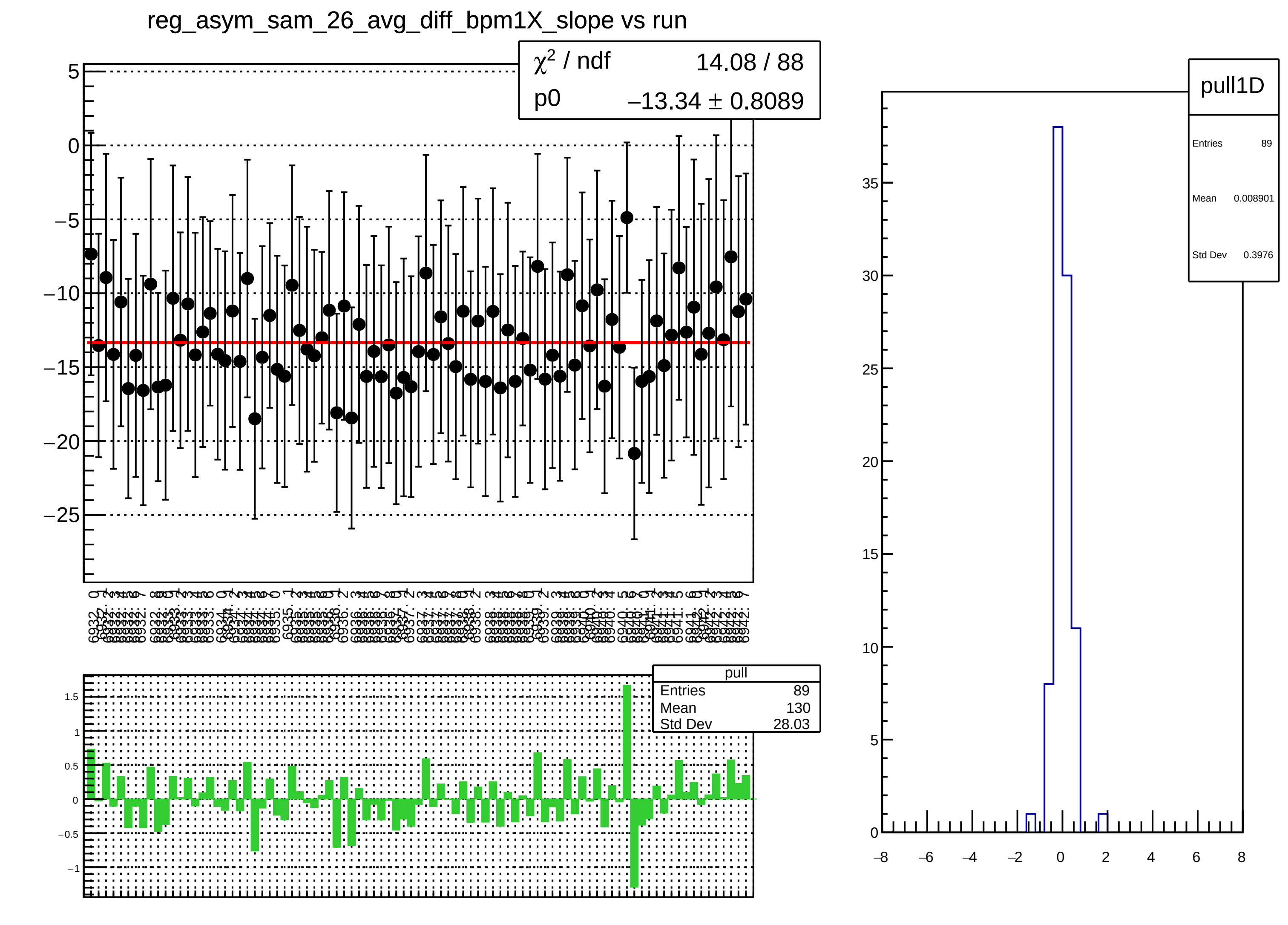
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 48.85 / 88
p0 −10.46 ± 0.3994
pull
Entries 89
Mean −919.1
Std Dev 975.9
pull1D
Entries 89
Mean 0.002707
Std Dev 0.7409

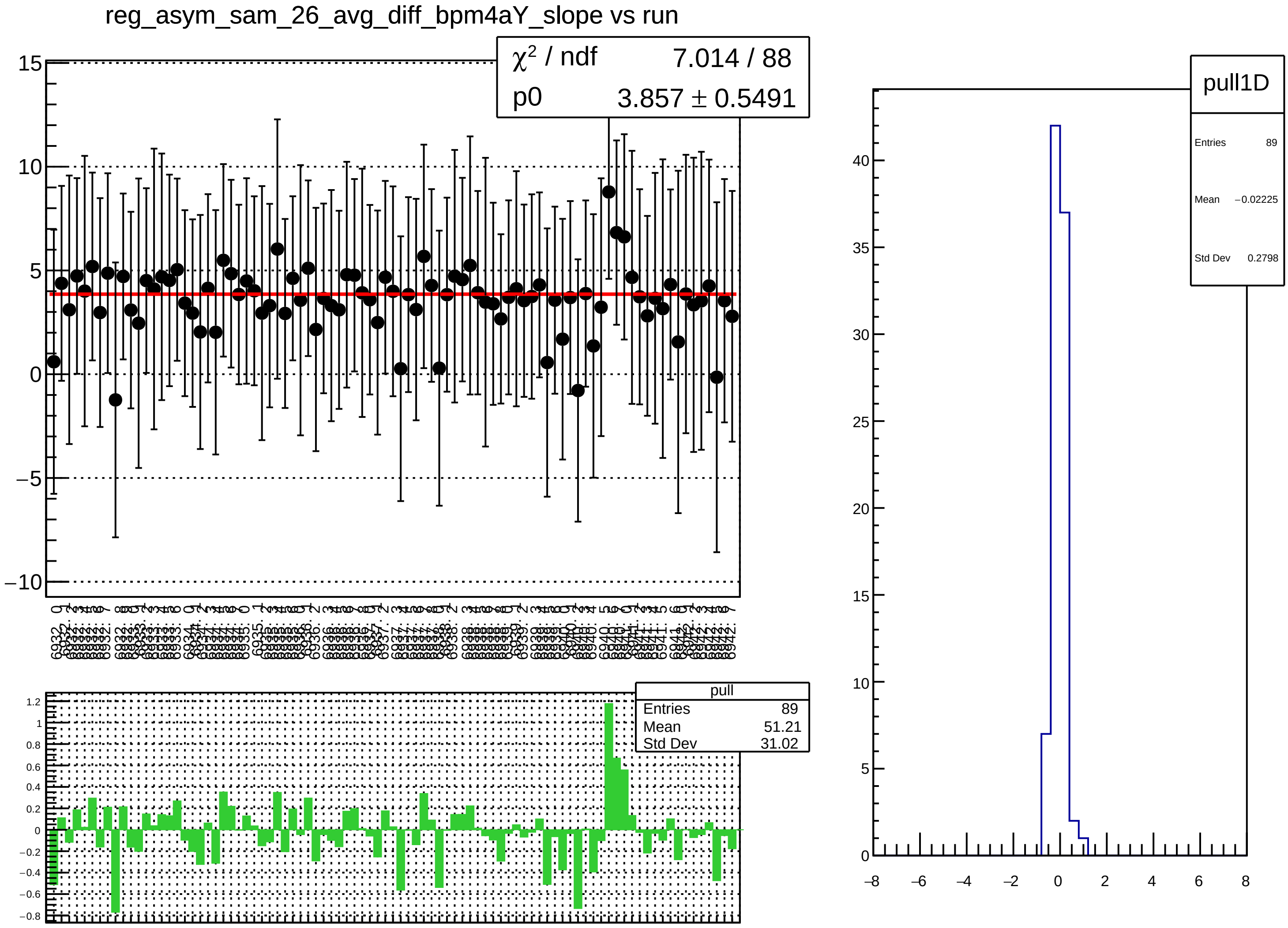


reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 13.87 / 88
p0 20.67 ± 0.3382
pull
Entries 89
Mean −255.8
Std Dev 291.9
pull1D
Entries 89
Mean 0.008016
Std Dev 0.3946



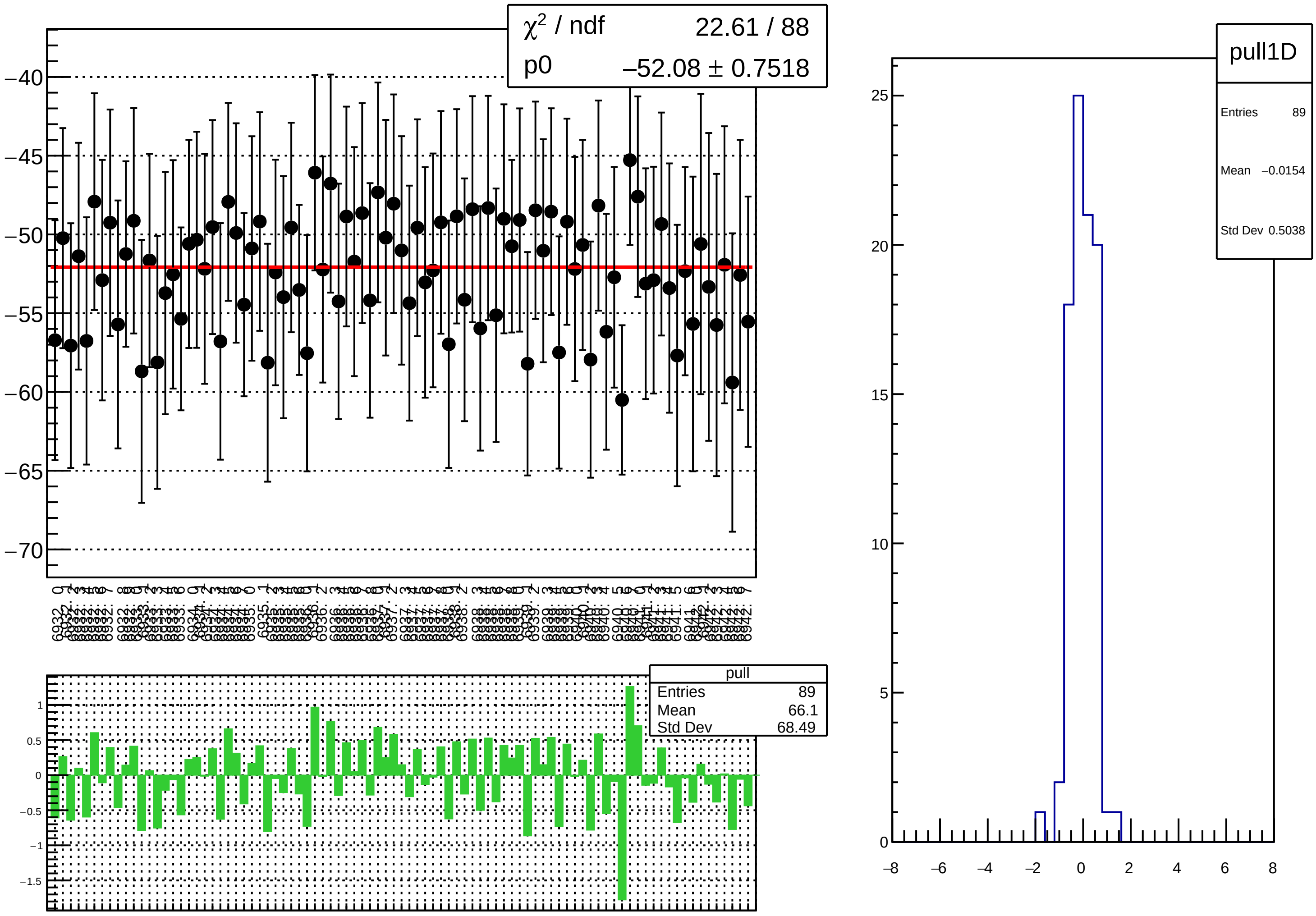
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.119 / 88
p0 −0.168 ± 0.01402
pull
Entries 89
Mean −642.2
Std Dev 695.8
pull1D
Entries 89
Mean 0.0006268
Std Dev 0.3201

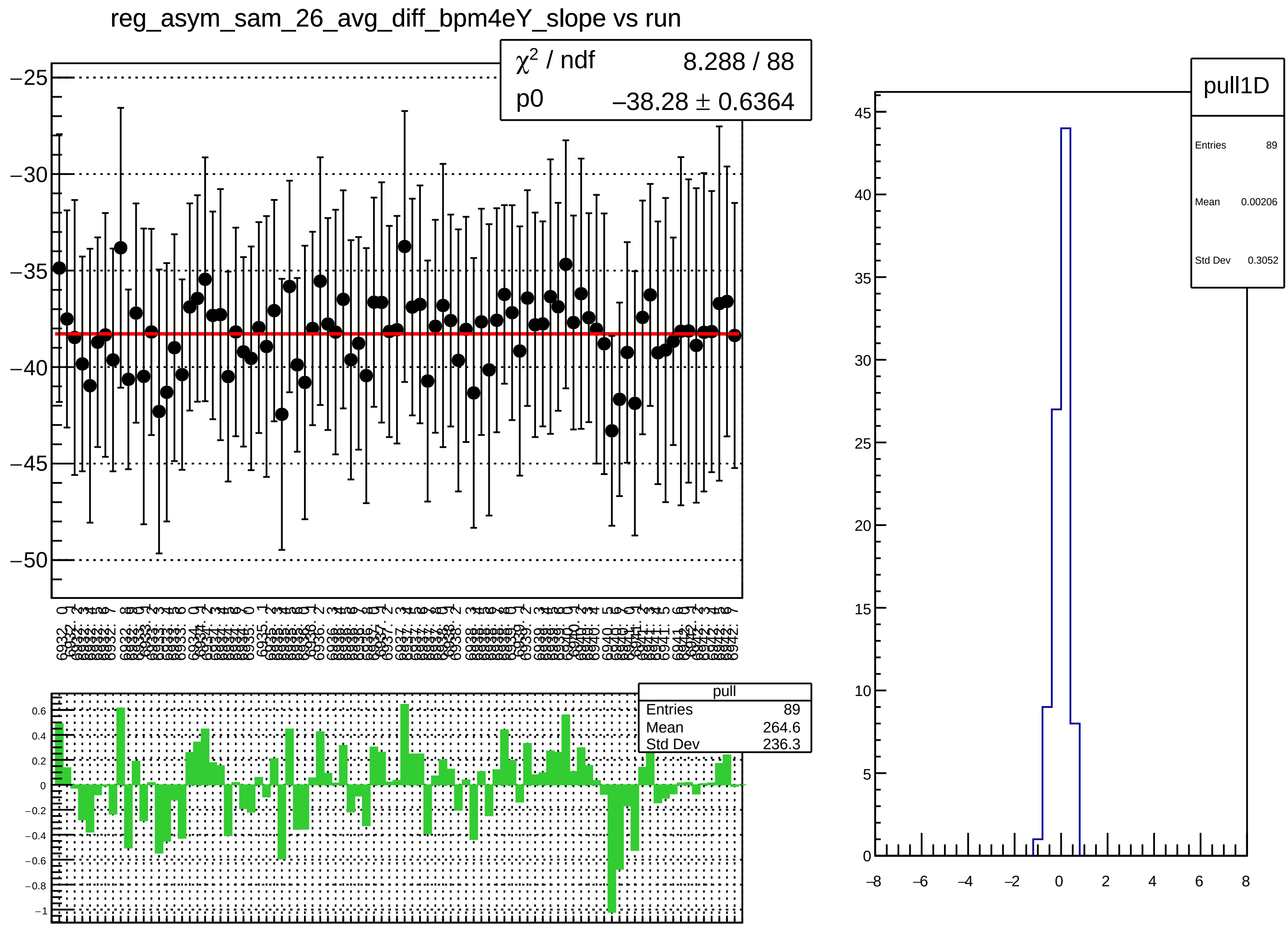

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.08 / 88
p0 −13.34 ± 0.8089
pull
Entries 89
Mean 130
Std Dev 28.03
pull1D
Entries 89
Mean 0.008901
Std Dev 0.3976



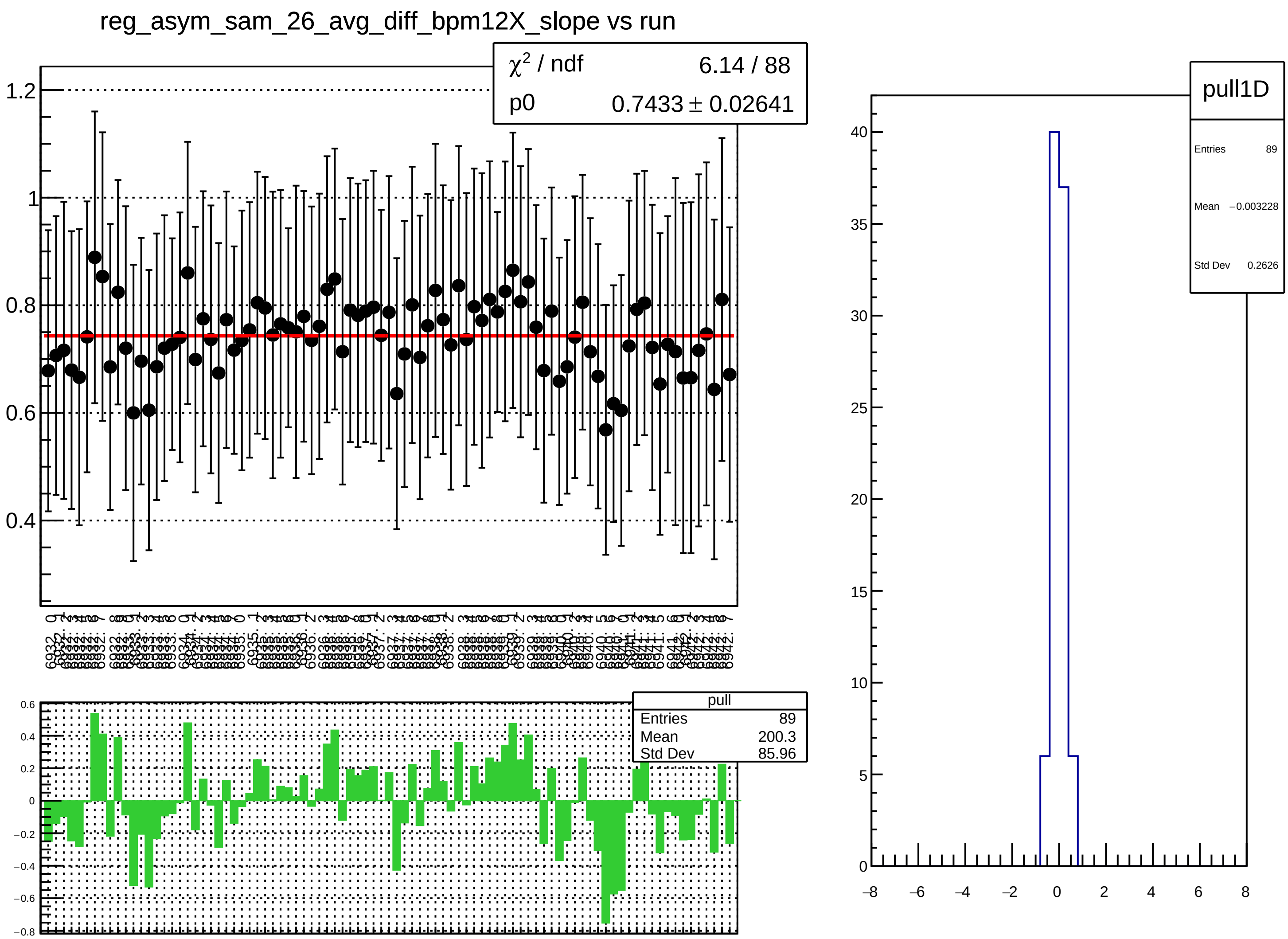
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ2 / ndf 7.014 / 88
p0 3.857 ± 0.5491
pull
Entries 89
Mean 51.21
Std Dev 31.02
pull1D
Entries 89
Mean −0.02225
Std Dev 0.2798

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run

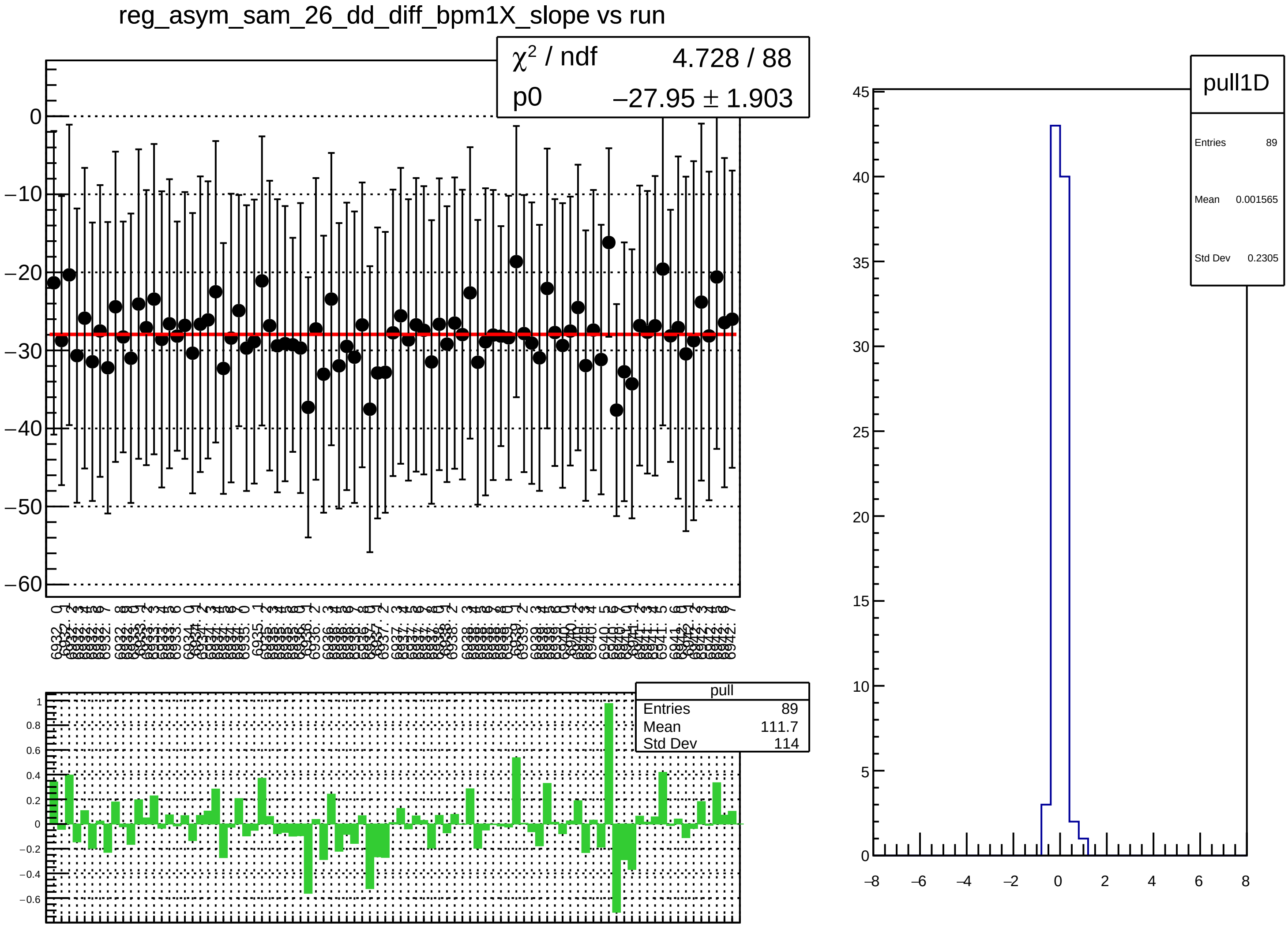


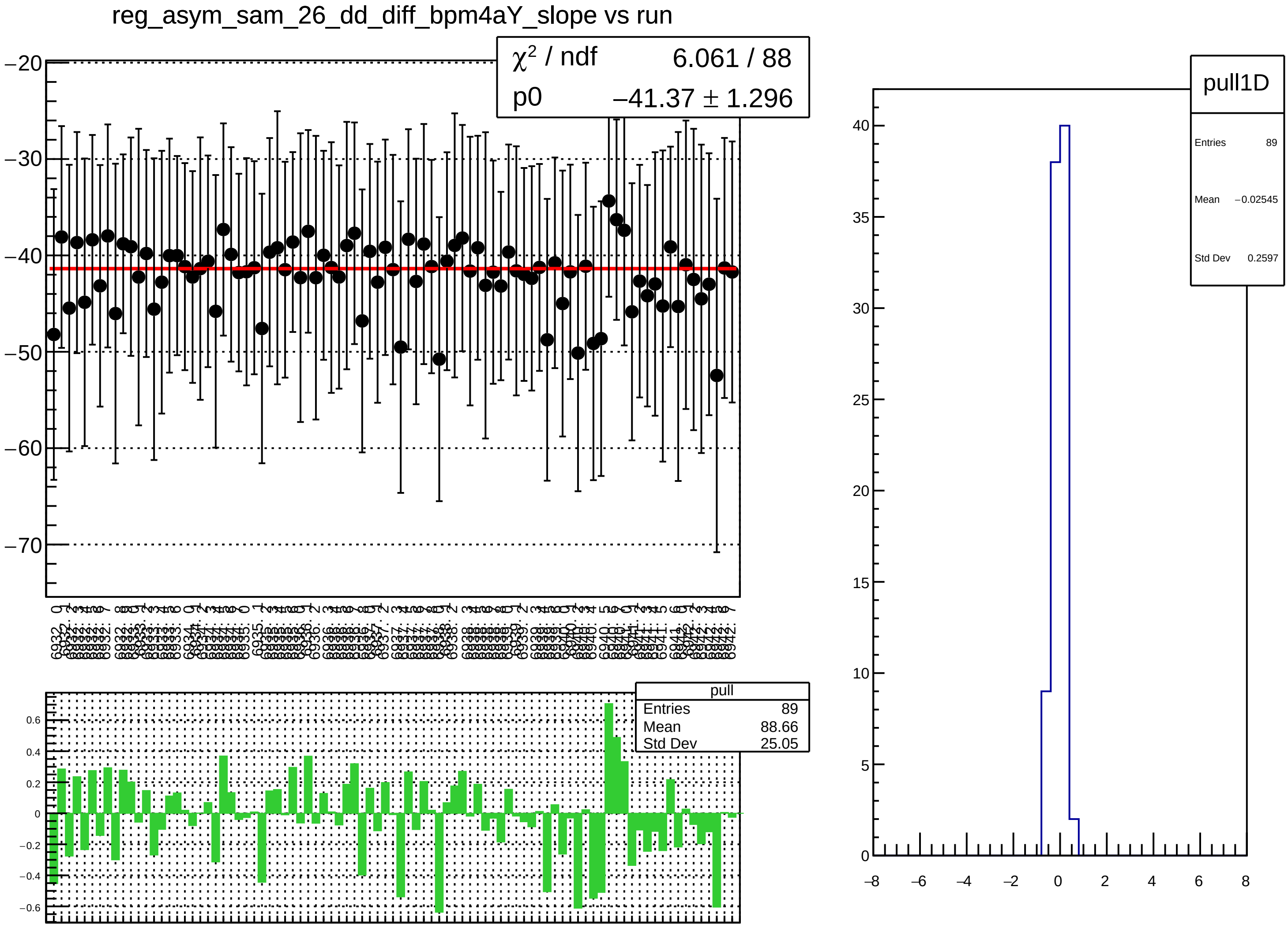


reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.288 / 88
p0 −38.28 ± 0.6364
−25
−30
−35
−40
−45
−50
pull
Entries 89
Mean 264.6
Std Dev 236.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 89
Mean 0.00206
Std Dev 0.3052
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

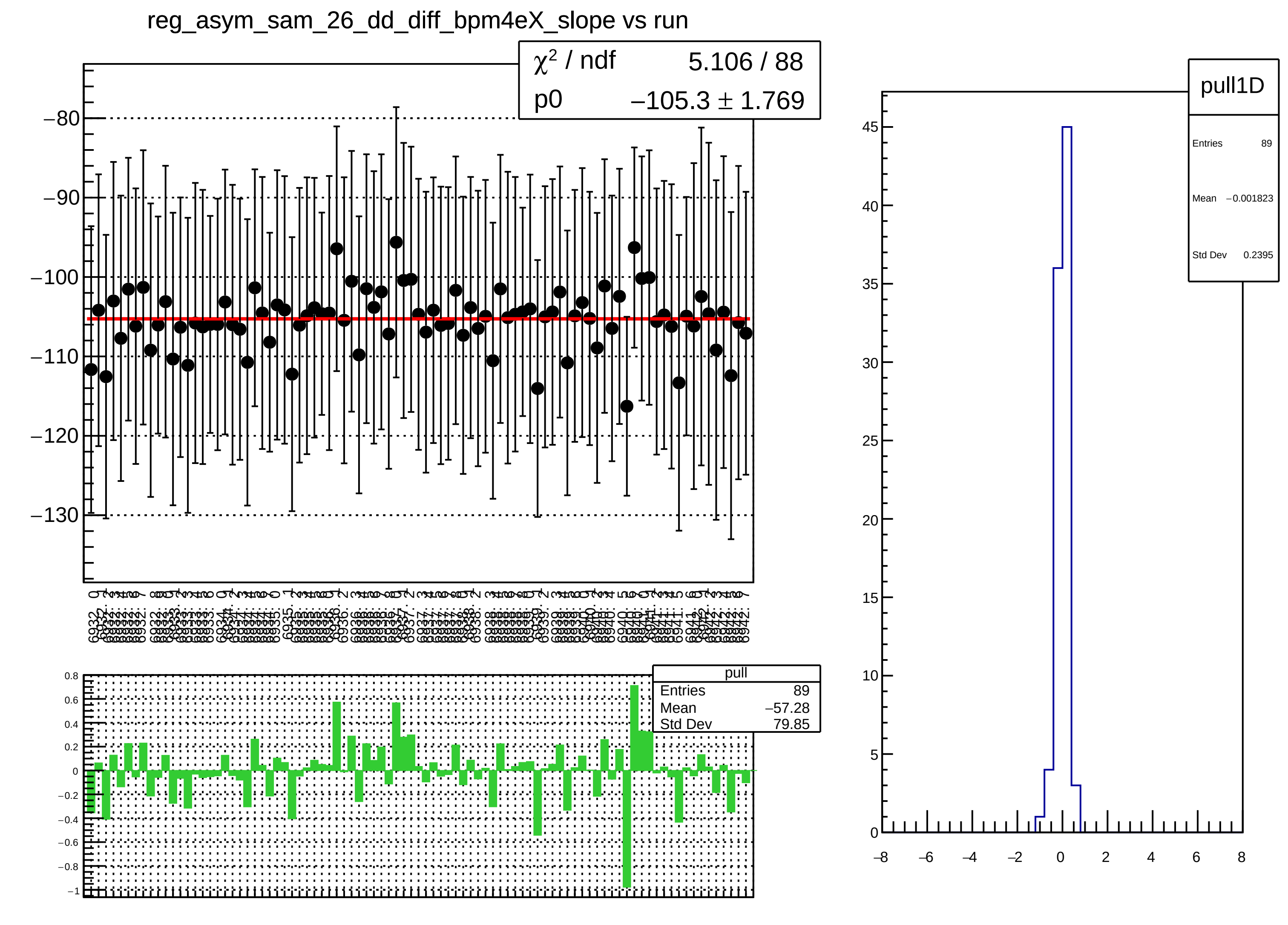


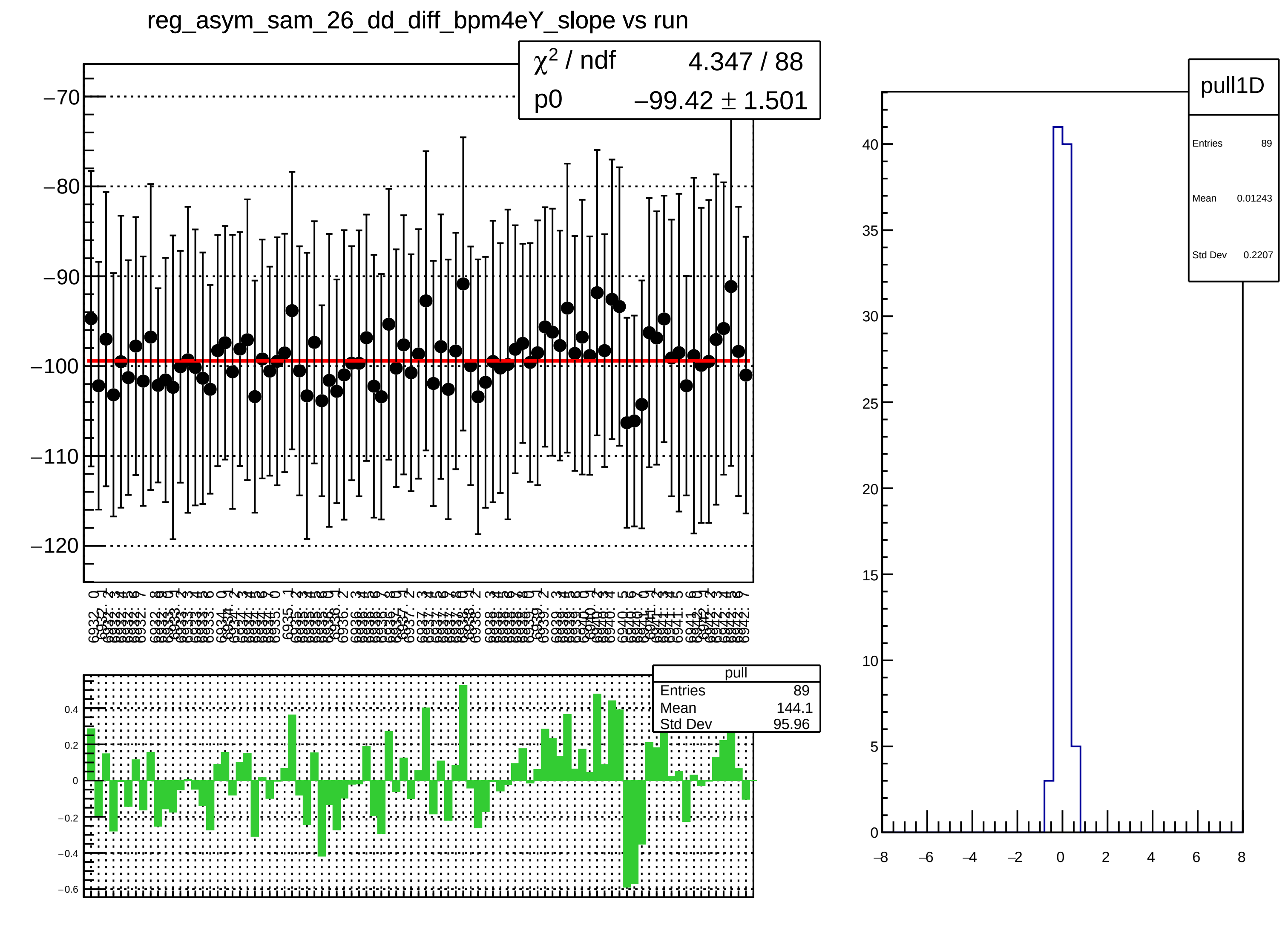
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.14 / 88
p0 0.7433 ± 0.02641
pull
Entries 89
Mean 200.3
Std Dev 85.96
pull1D
Entries 89
Mean −0.003228
Std Dev 0.2626


reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.728 / 88
p0 −27.95 ± 1.903
0
−10
−20
−30
−40
−50
−60
pull
Entries 89
Mean 111.7
Std Dev 114
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 89
Mean 0.001565
Std Dev 0.2305
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

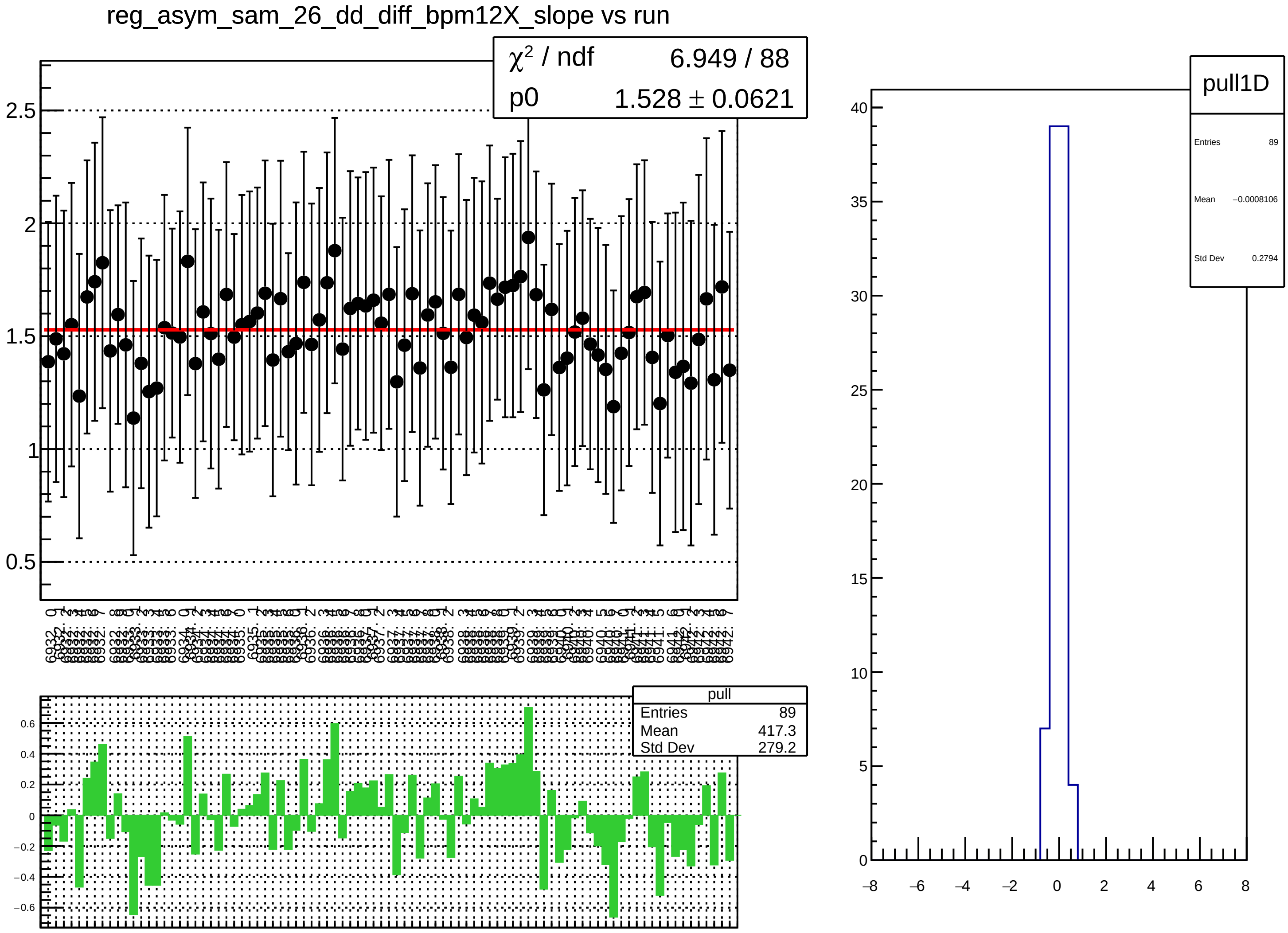


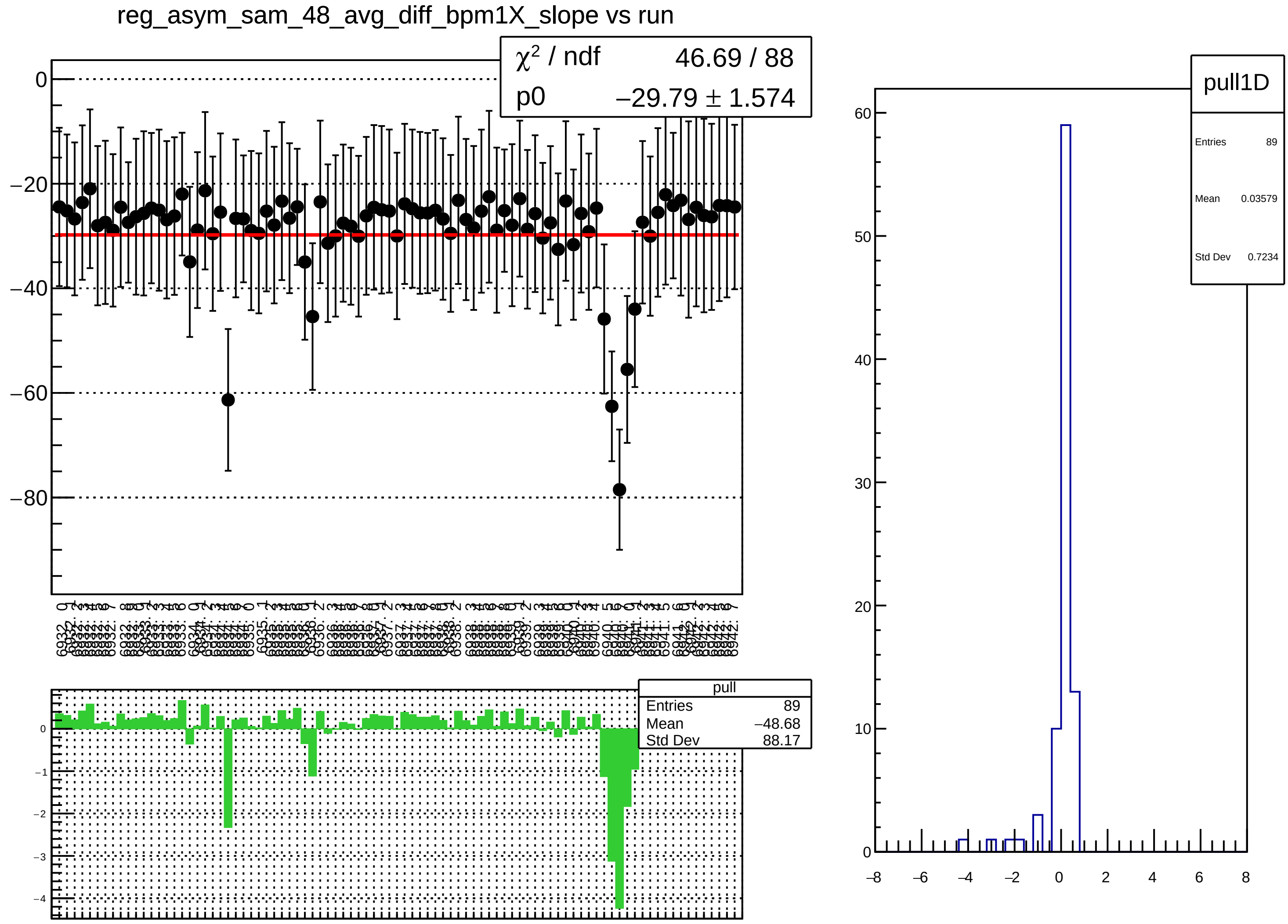
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.061 / 88
p0 −41.37 ± 1.296
pull
Entries 89
Mean 88.66
Std Dev 25.05
pull1D
Entries 89
Mean −0.02545
Std Dev 0.2597


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 5.106 / 88
p0 −105.3 ± 1.769
pull
Entries 89
Mean −57.28
Std Dev 79.85
pull1D
Entries 89
Mean −0.001823
Std Dev 0.2395

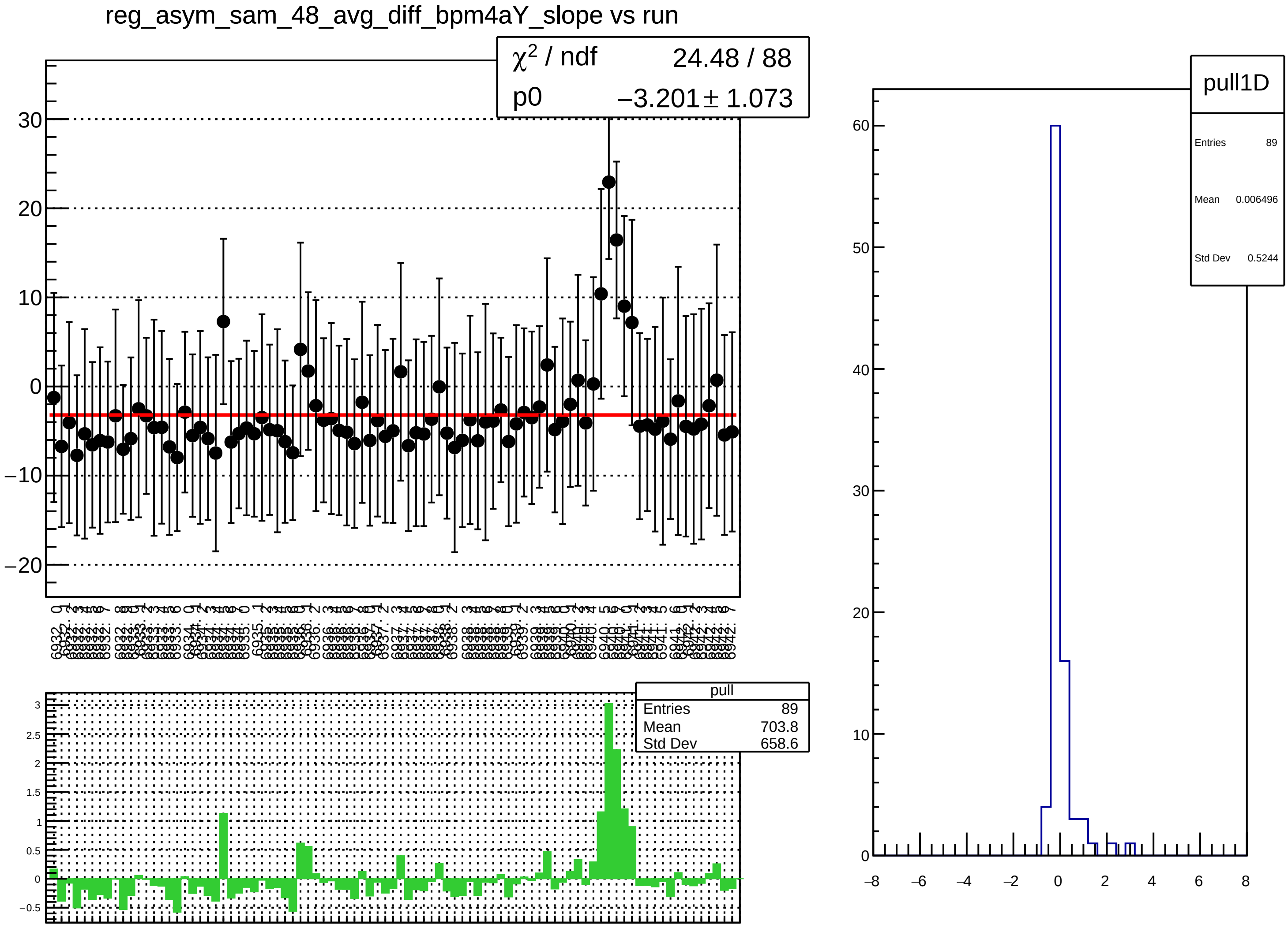


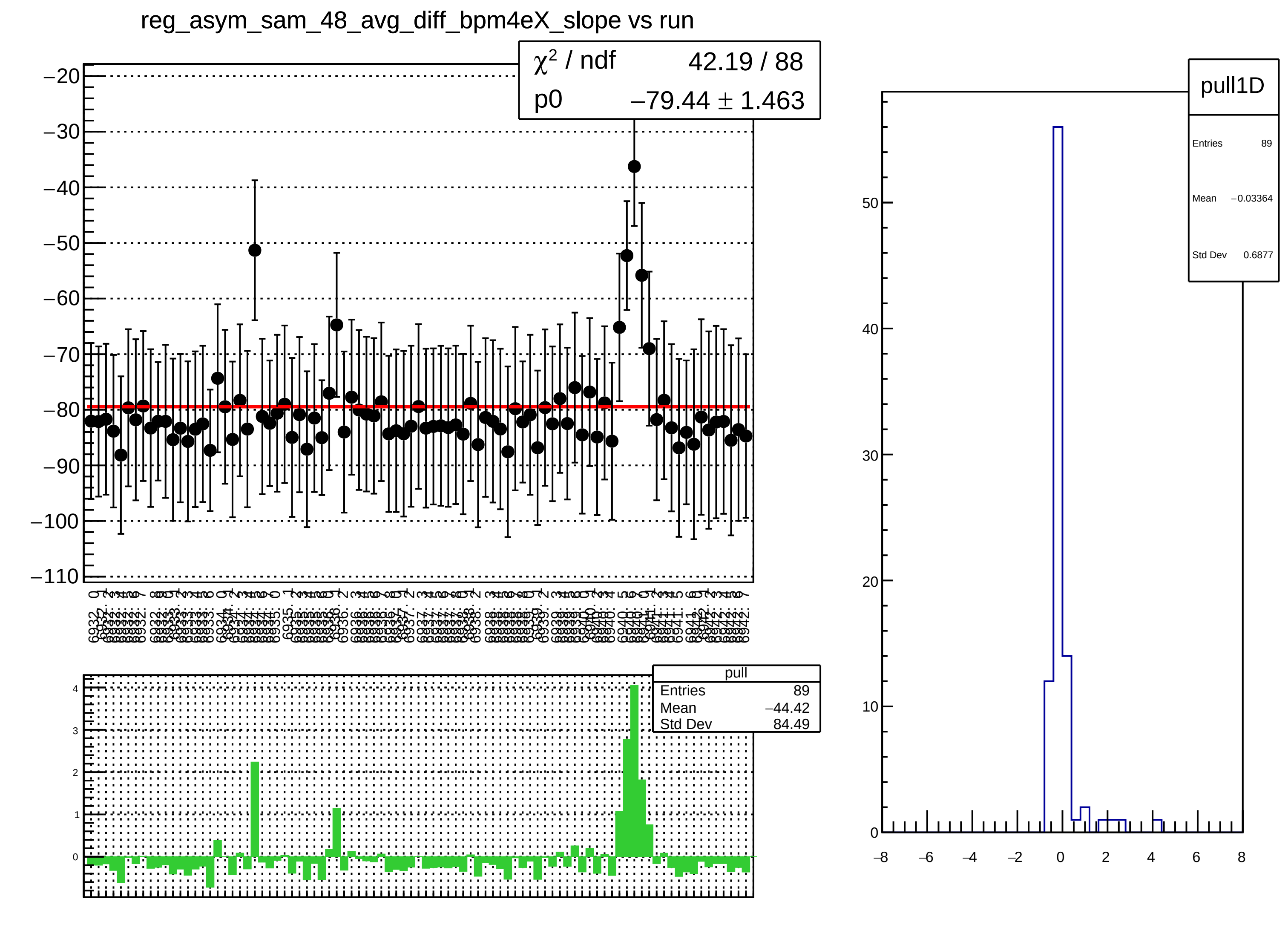
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 4.347 / 88
p0 −99.42 ± 1.501
−70
−80
−90
−100
−110
−120
pull
Entries 89
Mean 144.1
Std Dev 95.96
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 89
Mean 0.01243
Std Dev 0.2207
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


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



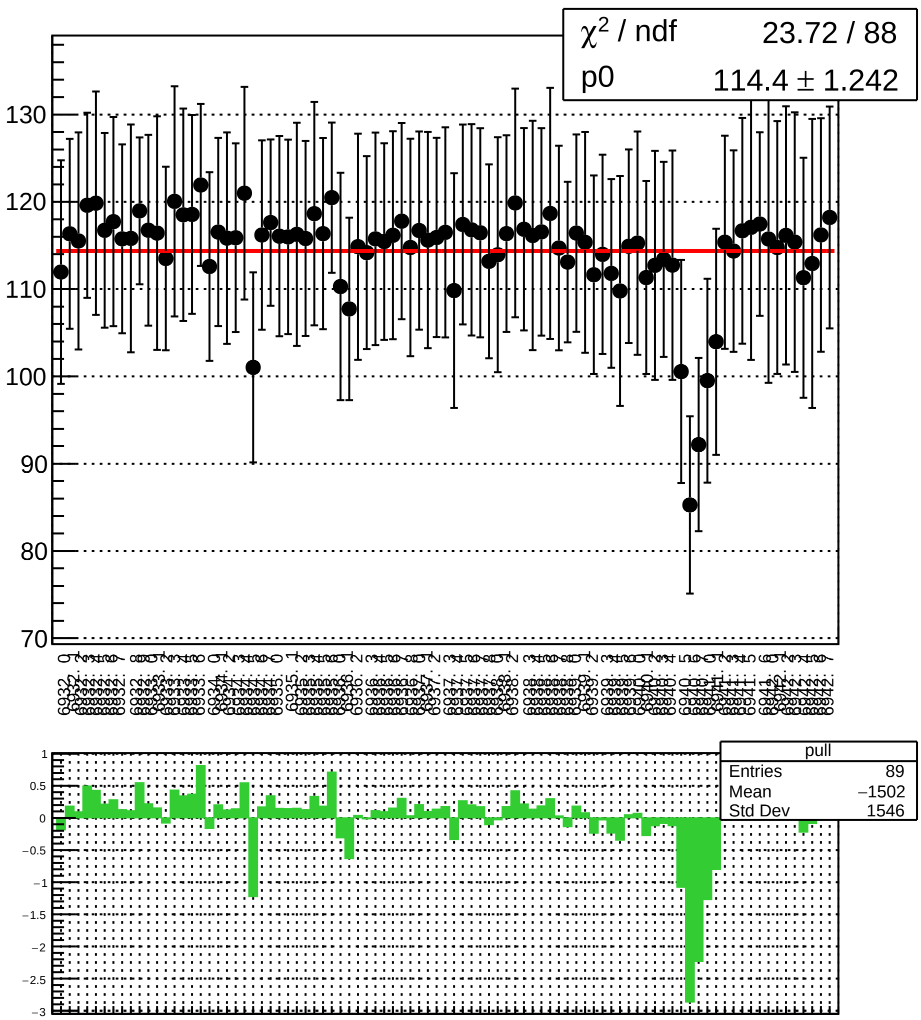
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 46.69 / 88
p0 −29.79 ± 1.574
pull
Entries 89
Mean −48.68
Std Dev 88.17
pull1D
Entries 89
Mean 0.03579
Std Dev 0.7234

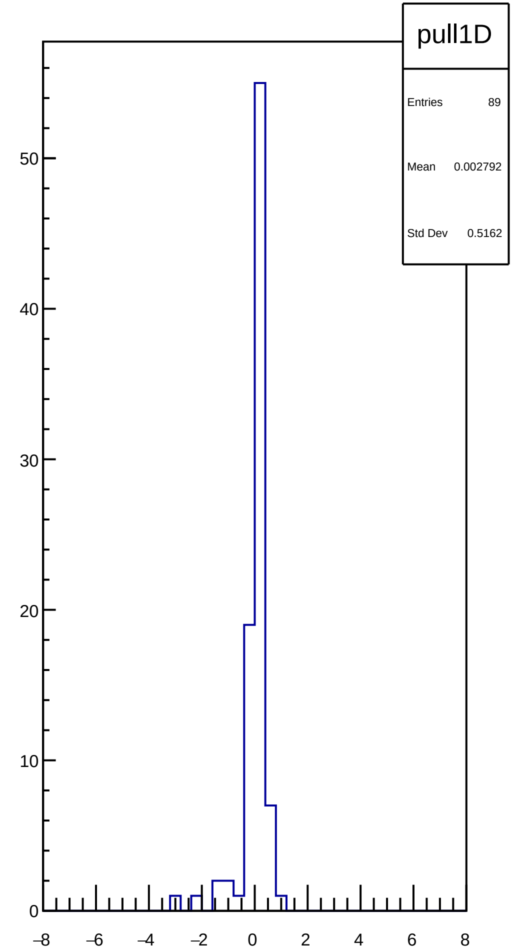

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 24.48 / 88
p0 −3.201 ± 1.073
pull
Entries 89
Mean 703.8
Std Dev 658.6
pull1D
Entries 89
Mean 0.006496
Std Dev 0.5244

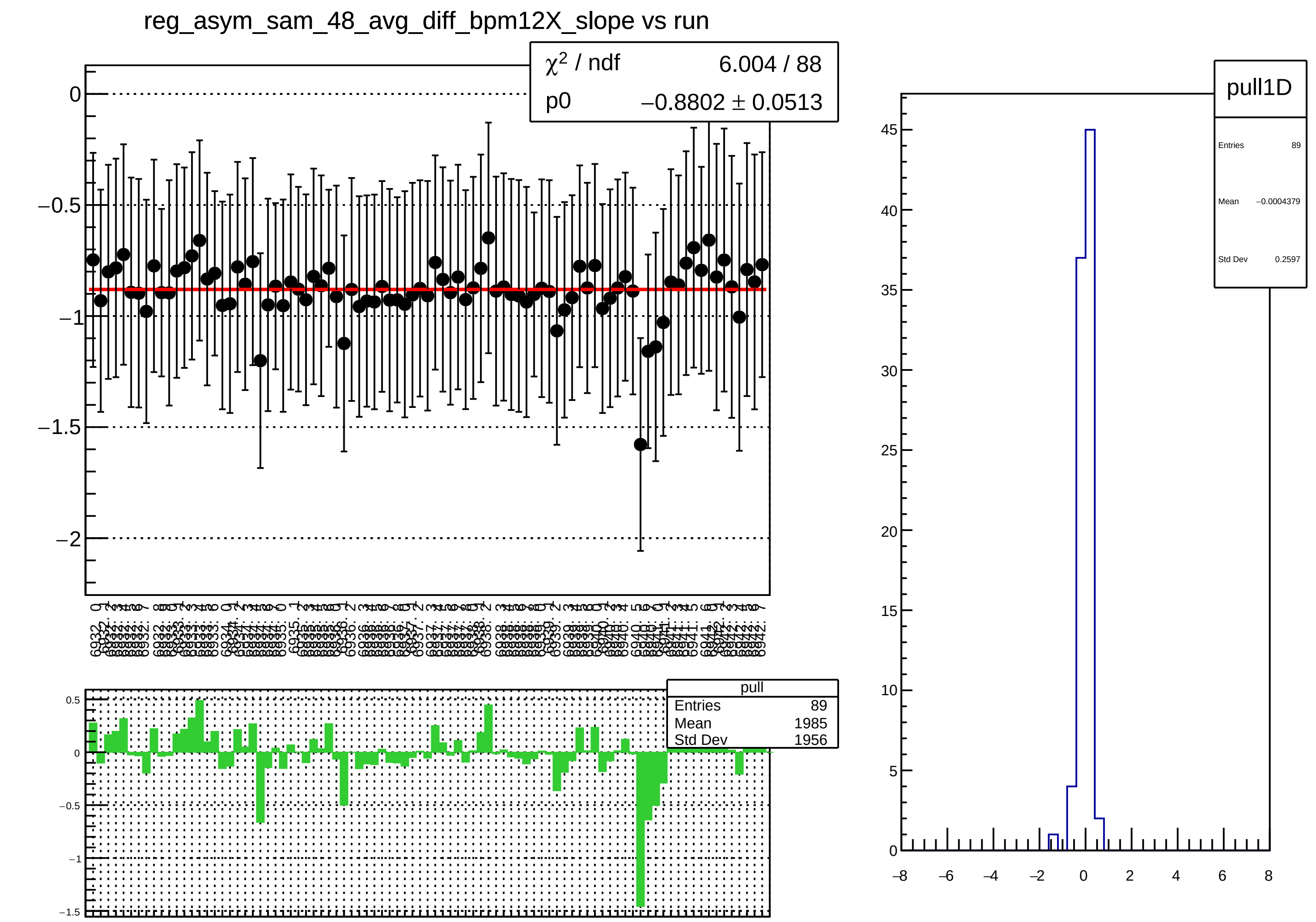


reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 42.19 / 88
p0 −79.44 ± 1.463
pull
Entries 89
Mean −44.42
Std Dev 84.49
pull1D
Entries 89
Mean −0.03364
Std Dev 0.6877

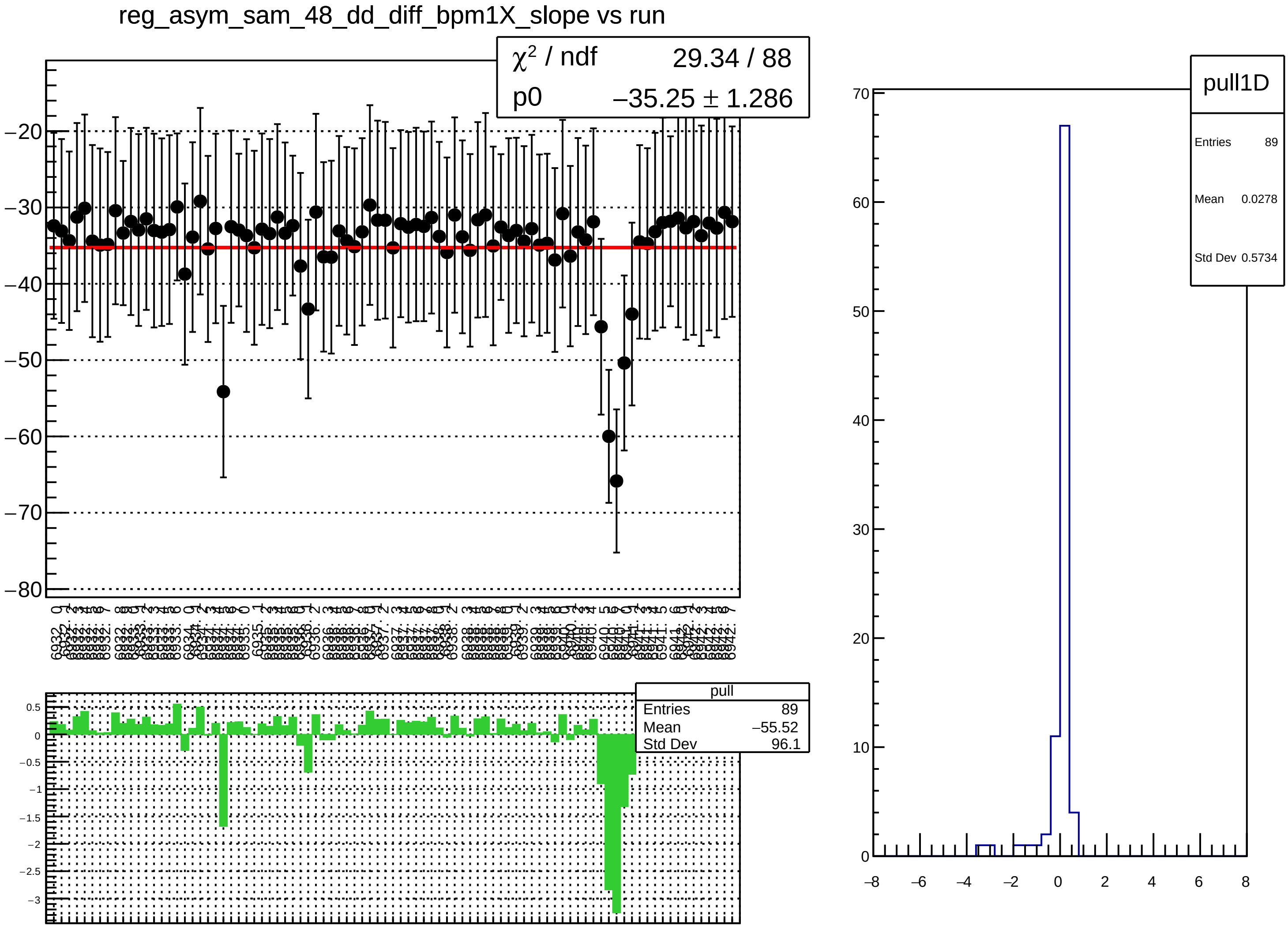
reg_asym_sam_48_avg_diff_bpm4eY_slope vs run



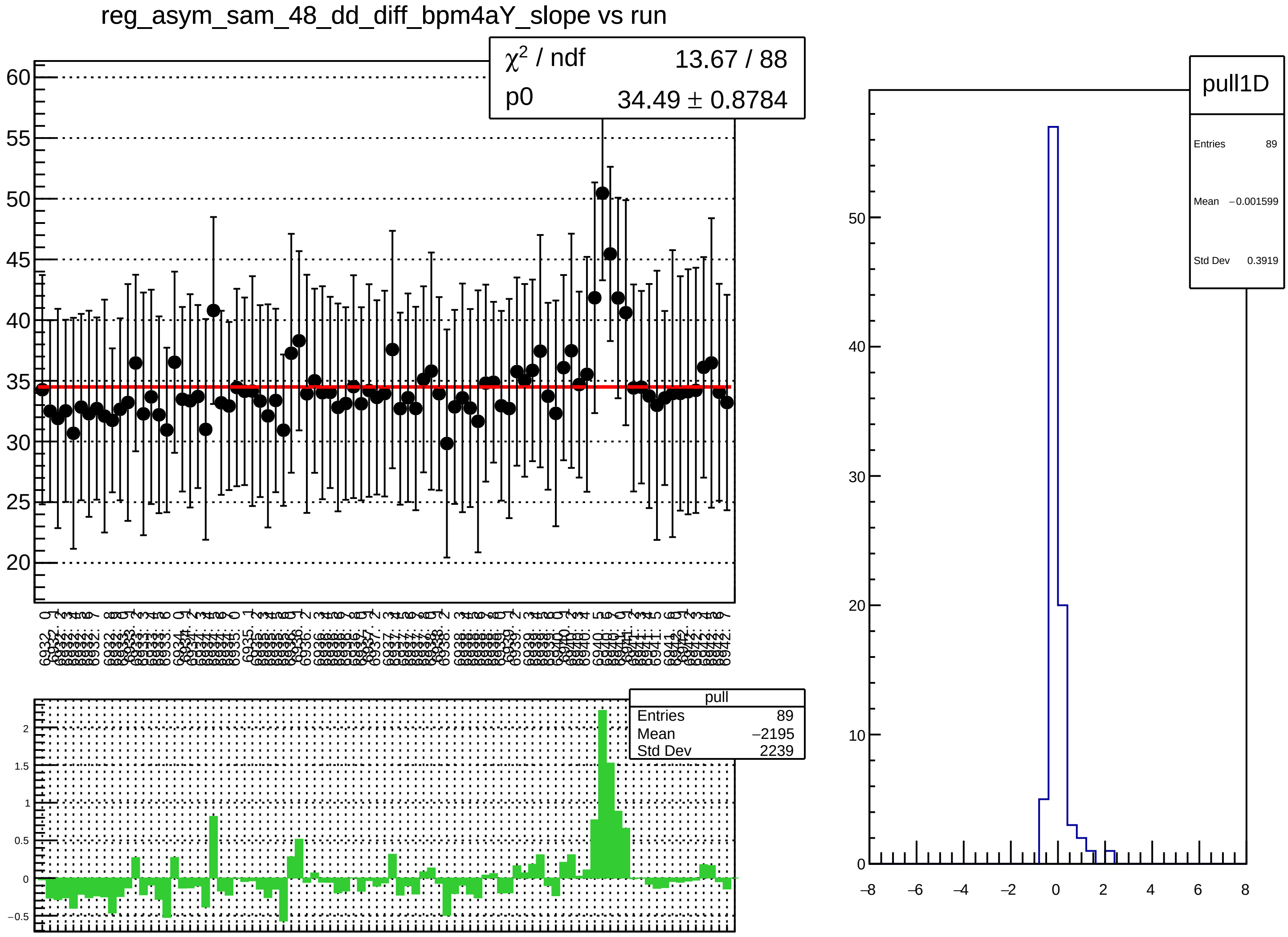


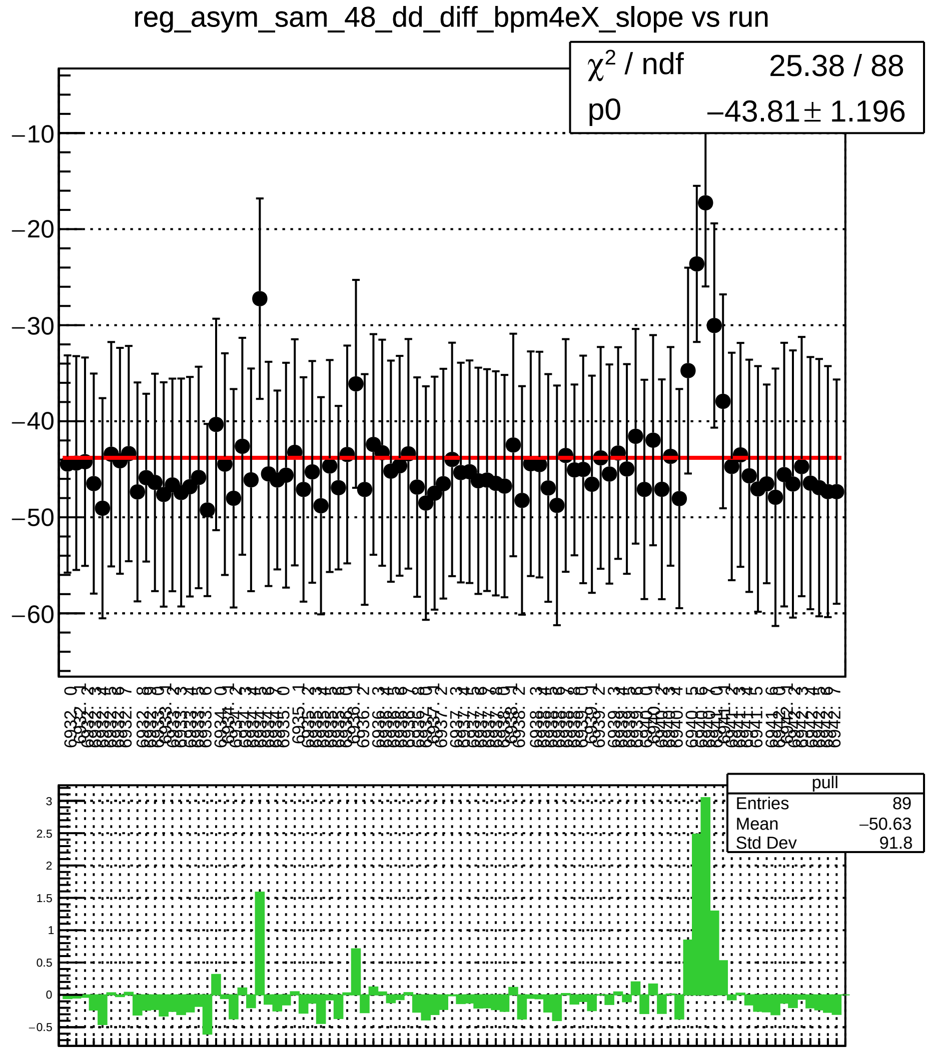


reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.004 / 88
p0 −0.8802 ± 0.0513
pull
Entries 89
Mean 1985
Std Dev 1956
pull1D
Entries 89
Mean −0.0004379
Std Dev 0.2597

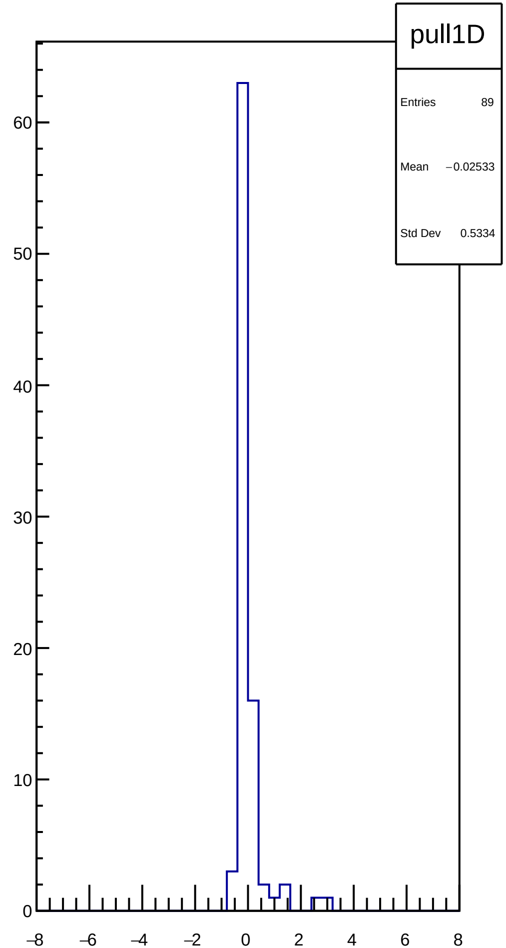


reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 29.34 / 88
p0 −35.25 ± 1.286
−20
−30
−40
−50
−60
−70
−80
pull
Entries 89
Mean −55.52
Std Dev 96.1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 89
Mean 0.0278
Std Dev 0.5734
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

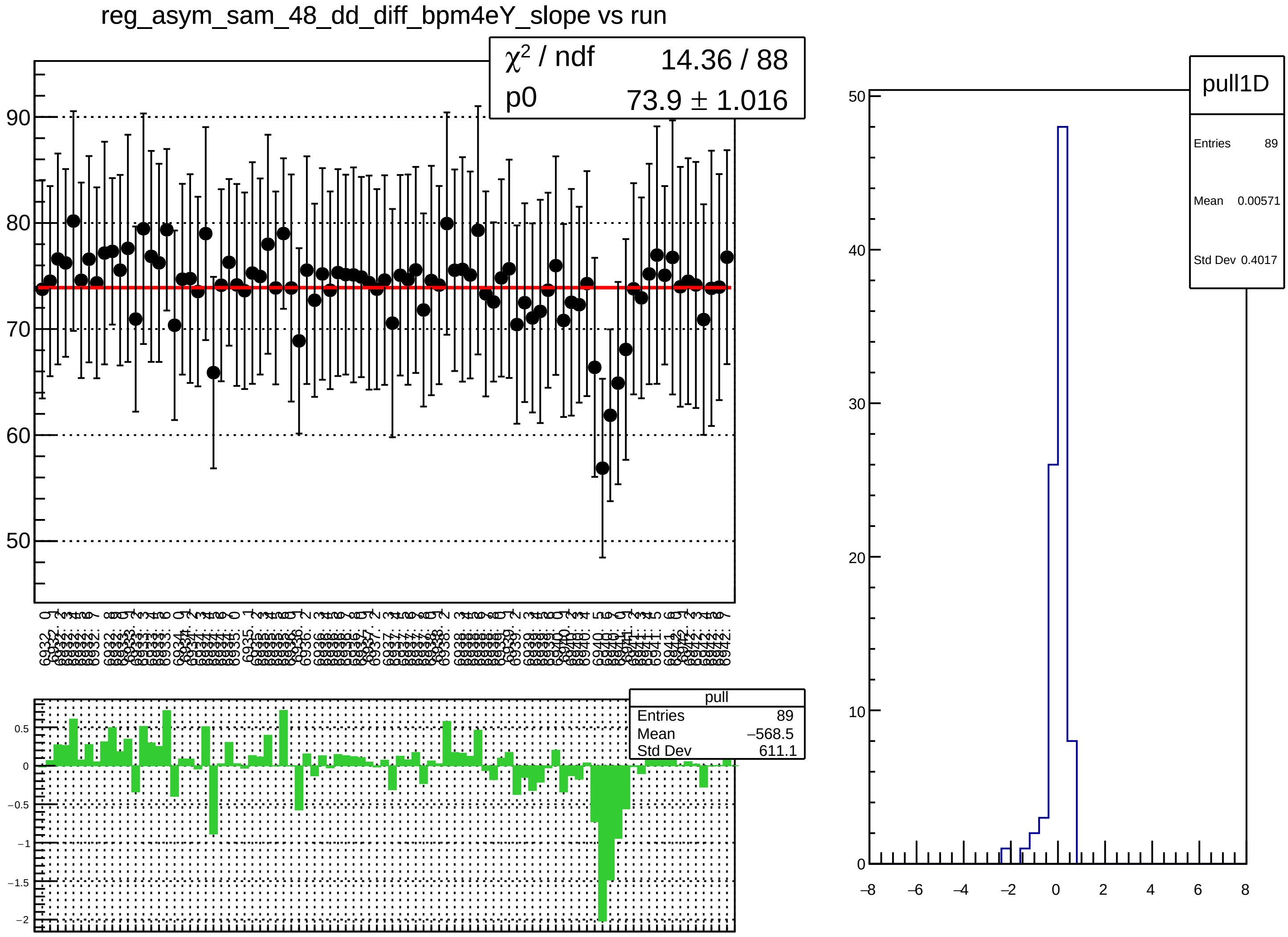

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 13.67 / 88
p0 34.49 ± 0.8784
pull
Entries 89
Mean −2195
Std Dev 2239
pull1D
Entries 89
Mean −0.001599
Std Dev 0.3919



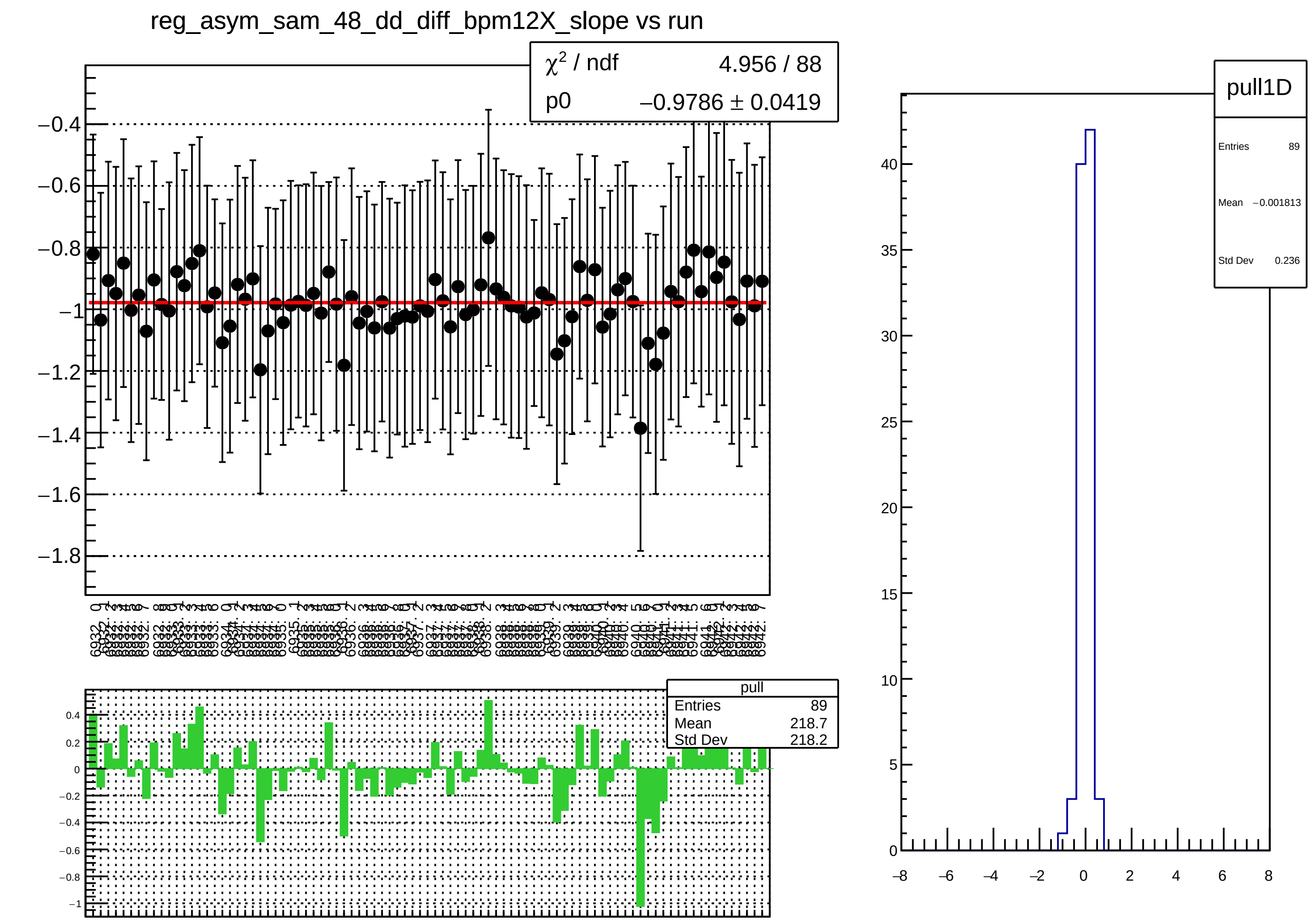
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.38 / 88
p0 −43.81 ± 1.196
−10
−20
−30
−40
−50
−60
pull
Entries 89
Mean −50.63
Std Dev 91.8

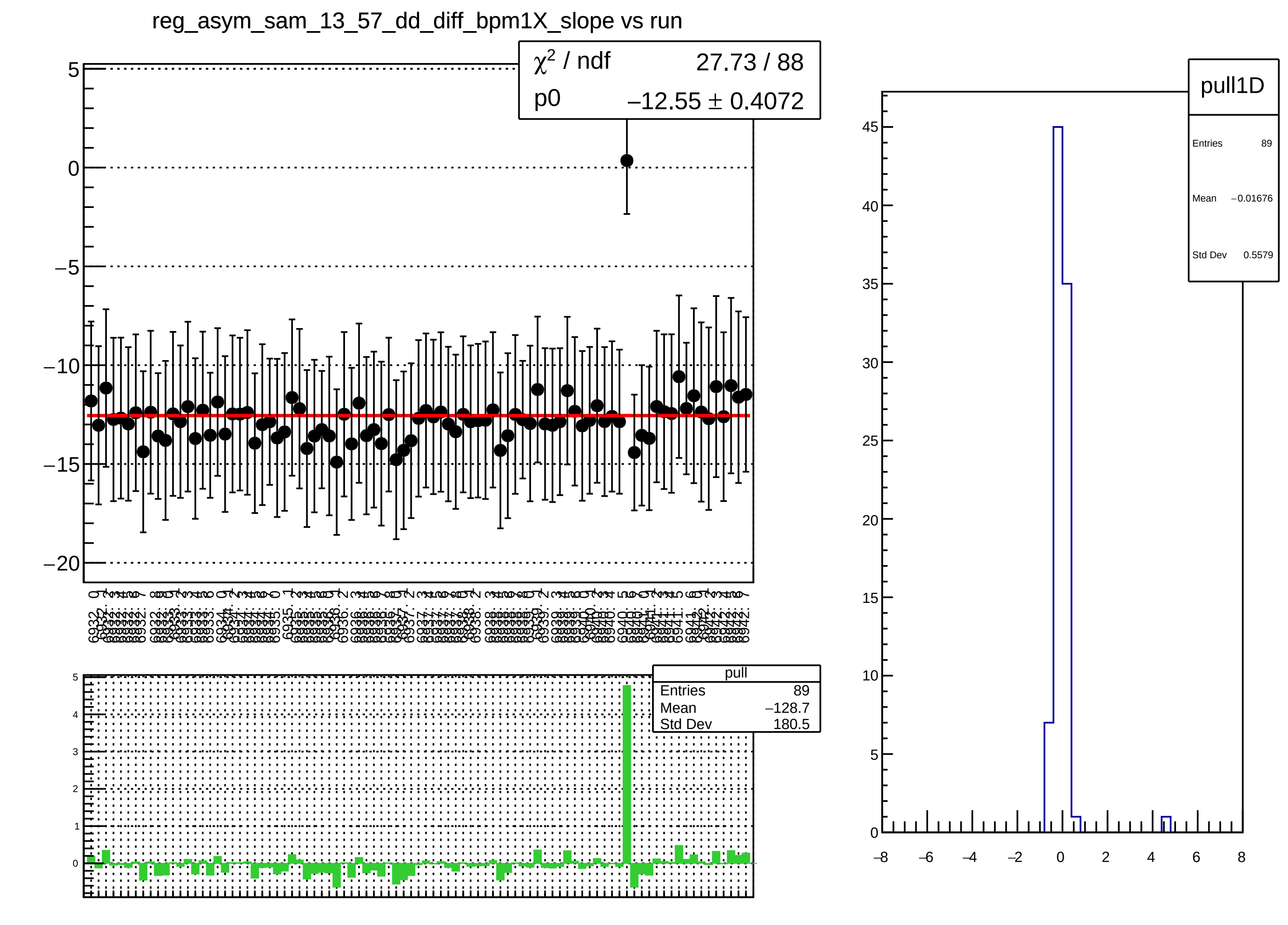


pull1D
Entries 89
Mean −0.02533
Std Dev 0.5334
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

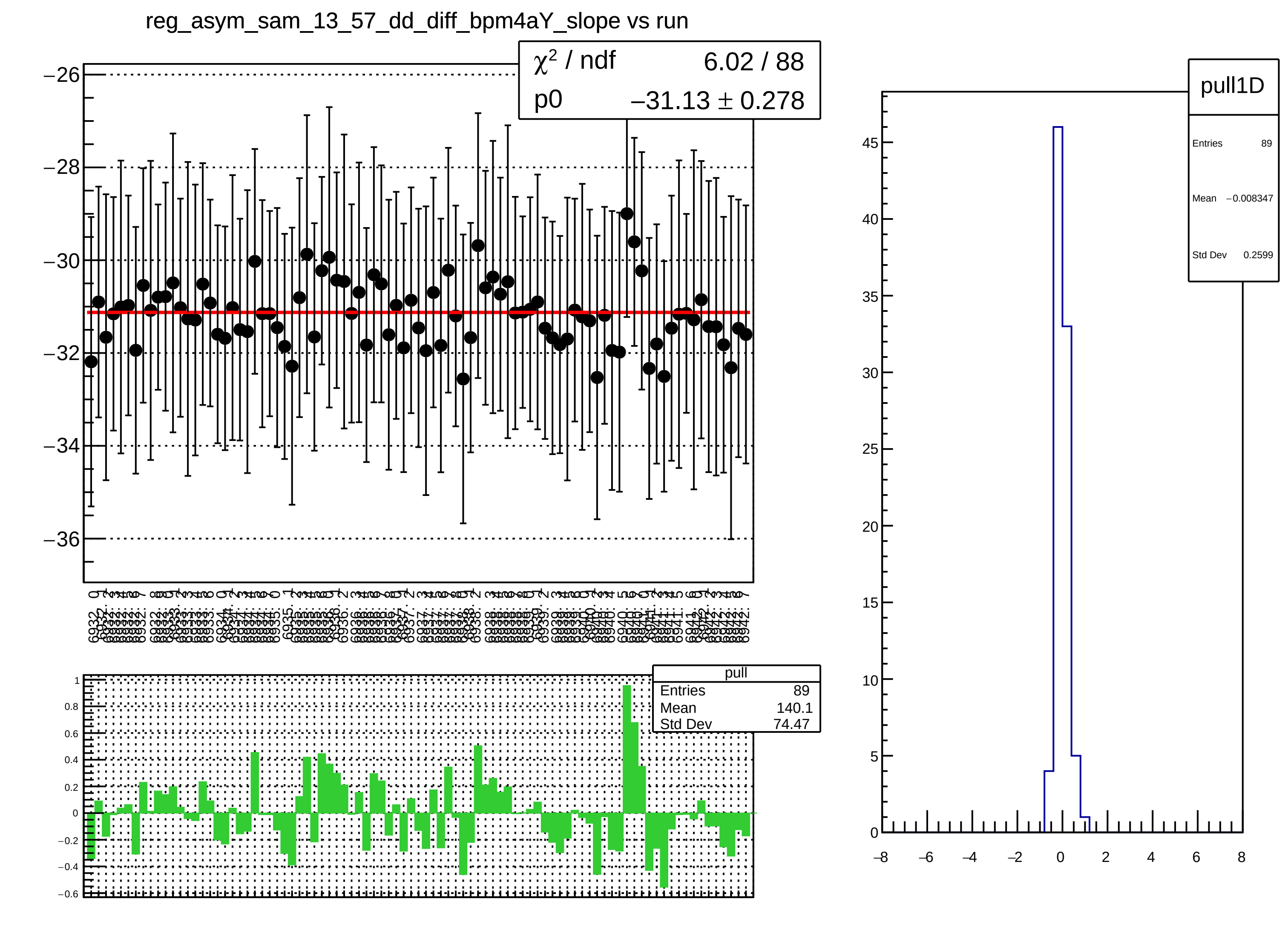


reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 14.36 / 88
p0 73.9 ± 1.016
pull
Entries 89
Mean −568.5
Std Dev 611.1
pull1D
Entries 89
Mean 0.00571
Std Dev 0.4017

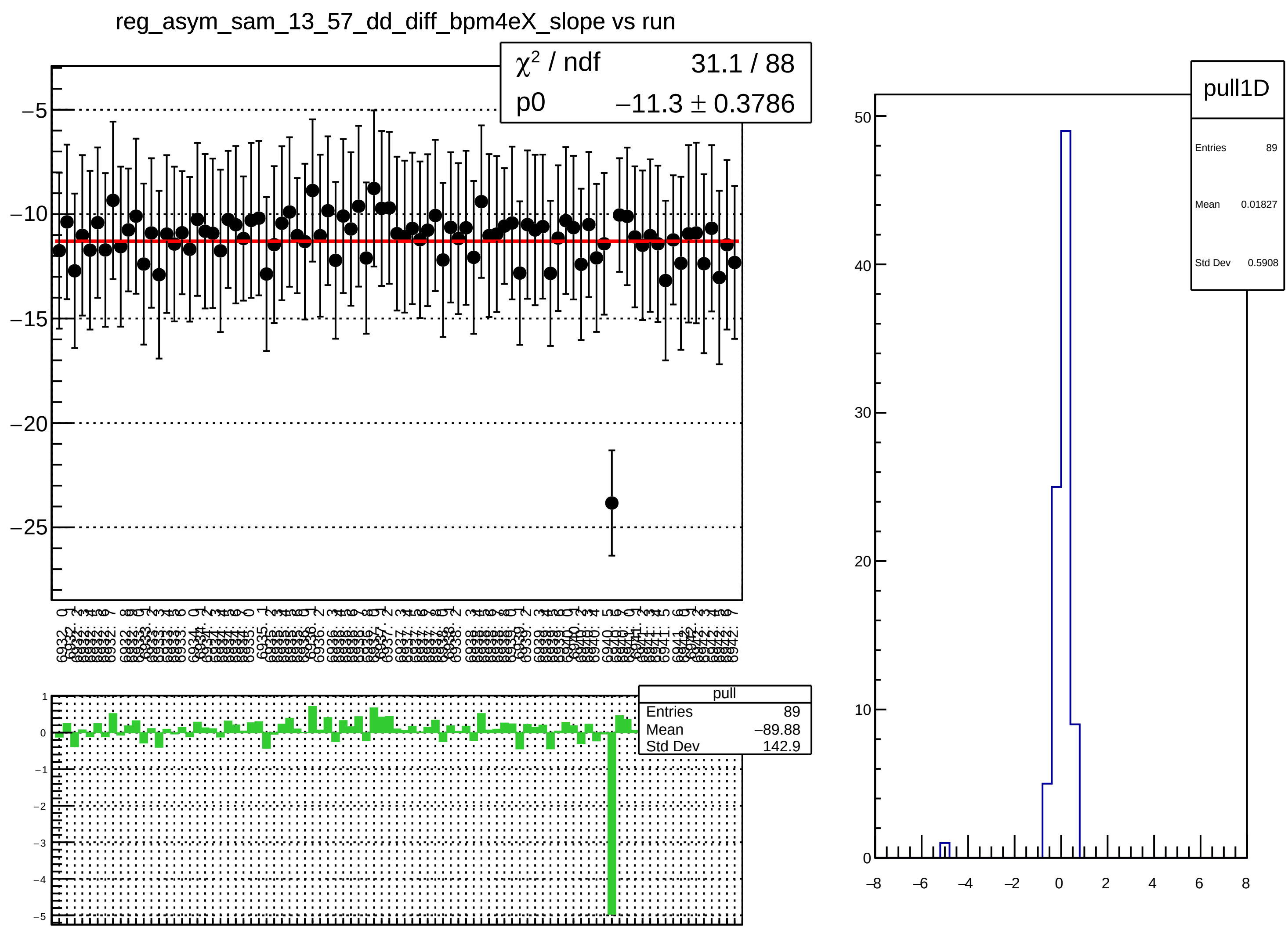

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.956 / 88
p0 −0.9786 ± 0.0419
pull
Entries 89
Mean 218.7
Std Dev 218.2
pull1D
Entries 89
Mean −0.001813
Std Dev 0.236



reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ2 / ndf 27.73 / 88
p0 −12.55 ± 0.4072
pull
Entries 89
Mean −128.7
Std Dev 180.5
pull1D
Entries 89
Mean −0.01676
Std Dev 0.5579

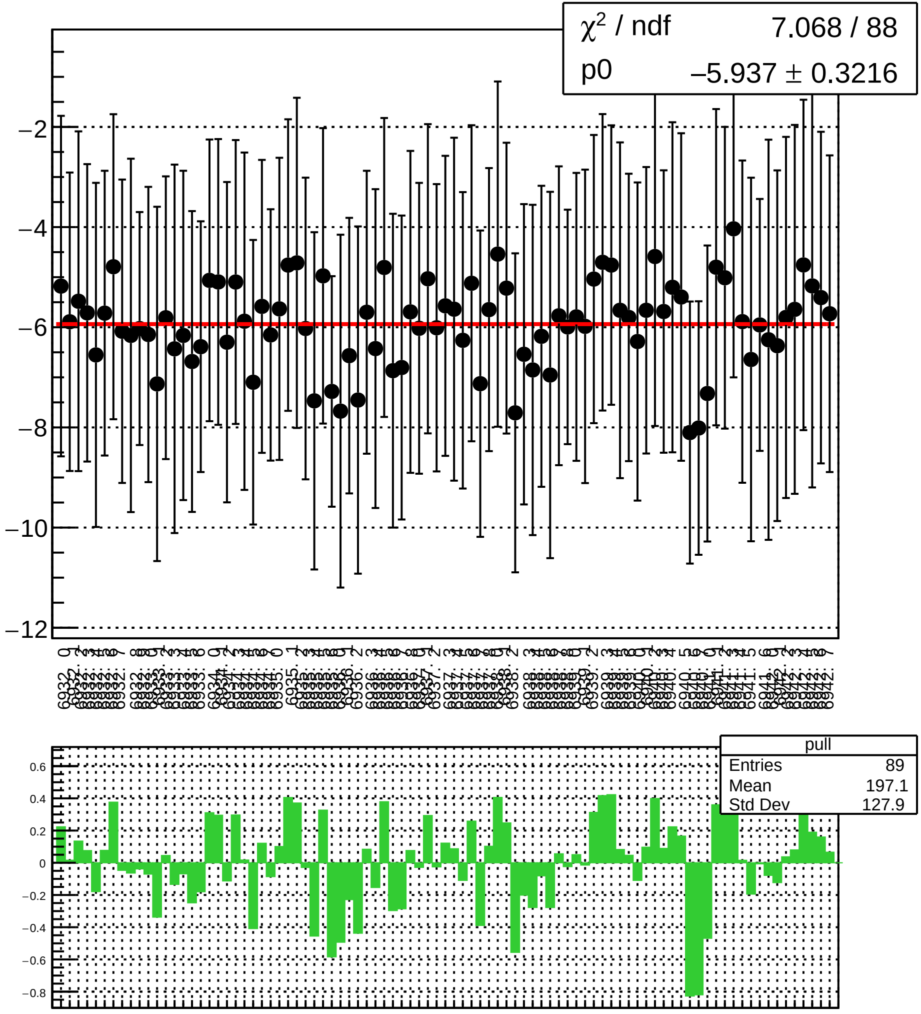


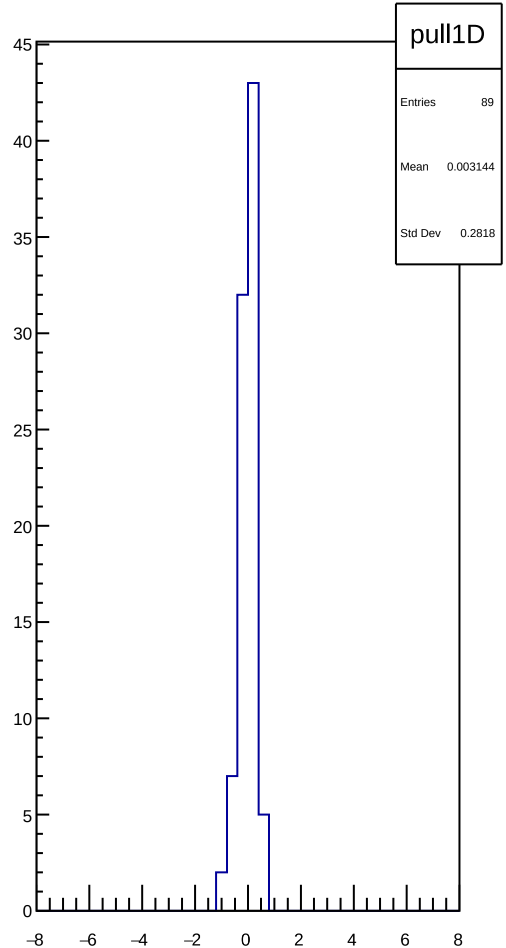
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.02 / 88
p0 −31.13 ± 0.278
pull
Entries 89
Mean 140.1
Std Dev 74.47
pull1D
Entries 89
Mean −0.008347
Std Dev 0.2599

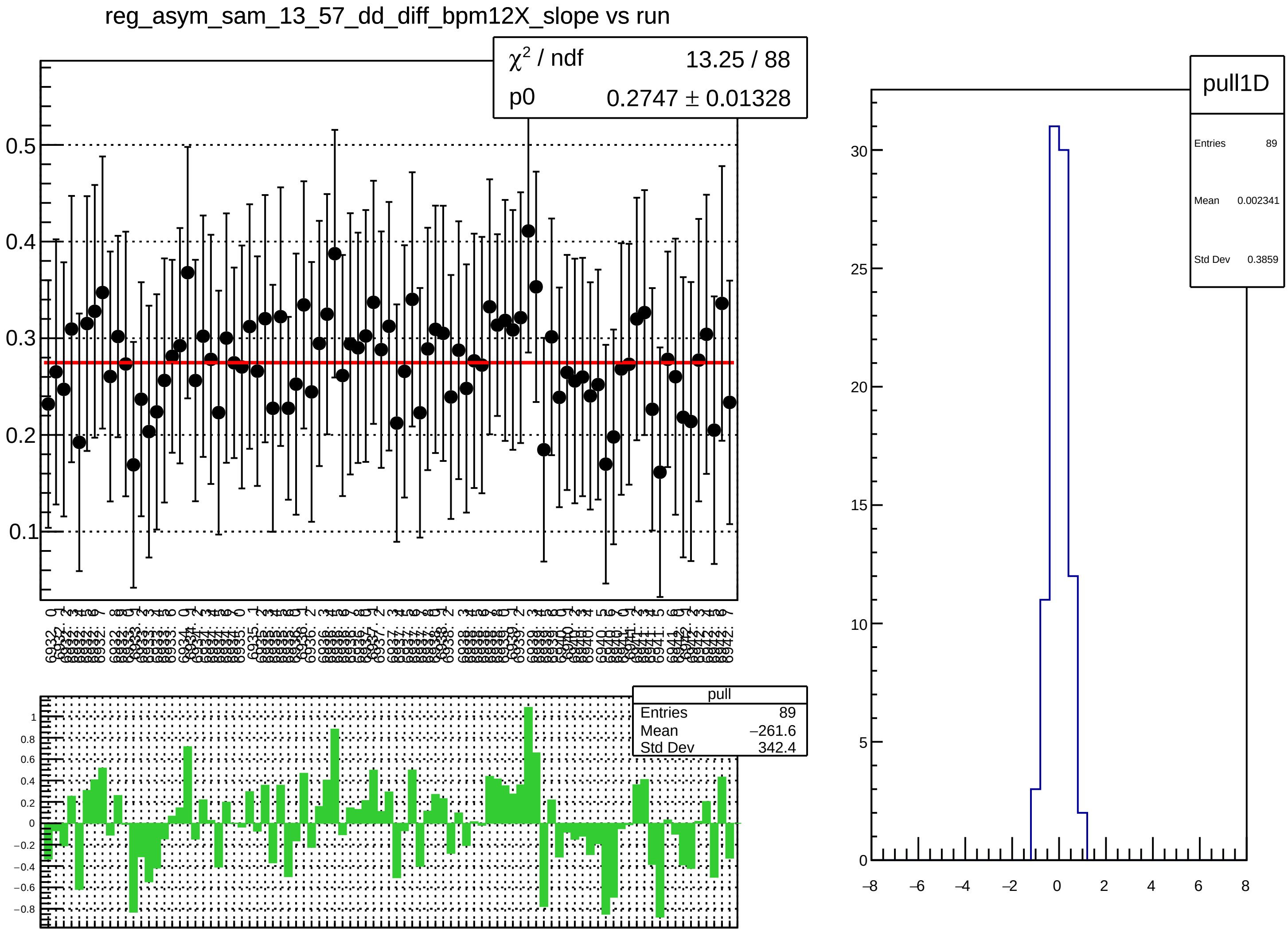


reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.1 / 88
p0 −11.3 ± 0.3786
pull
Entries 89
Mean −89.88
Std Dev 142.9
pull1D
Entries 89
Mean 0.01827
Std Dev 0.5908

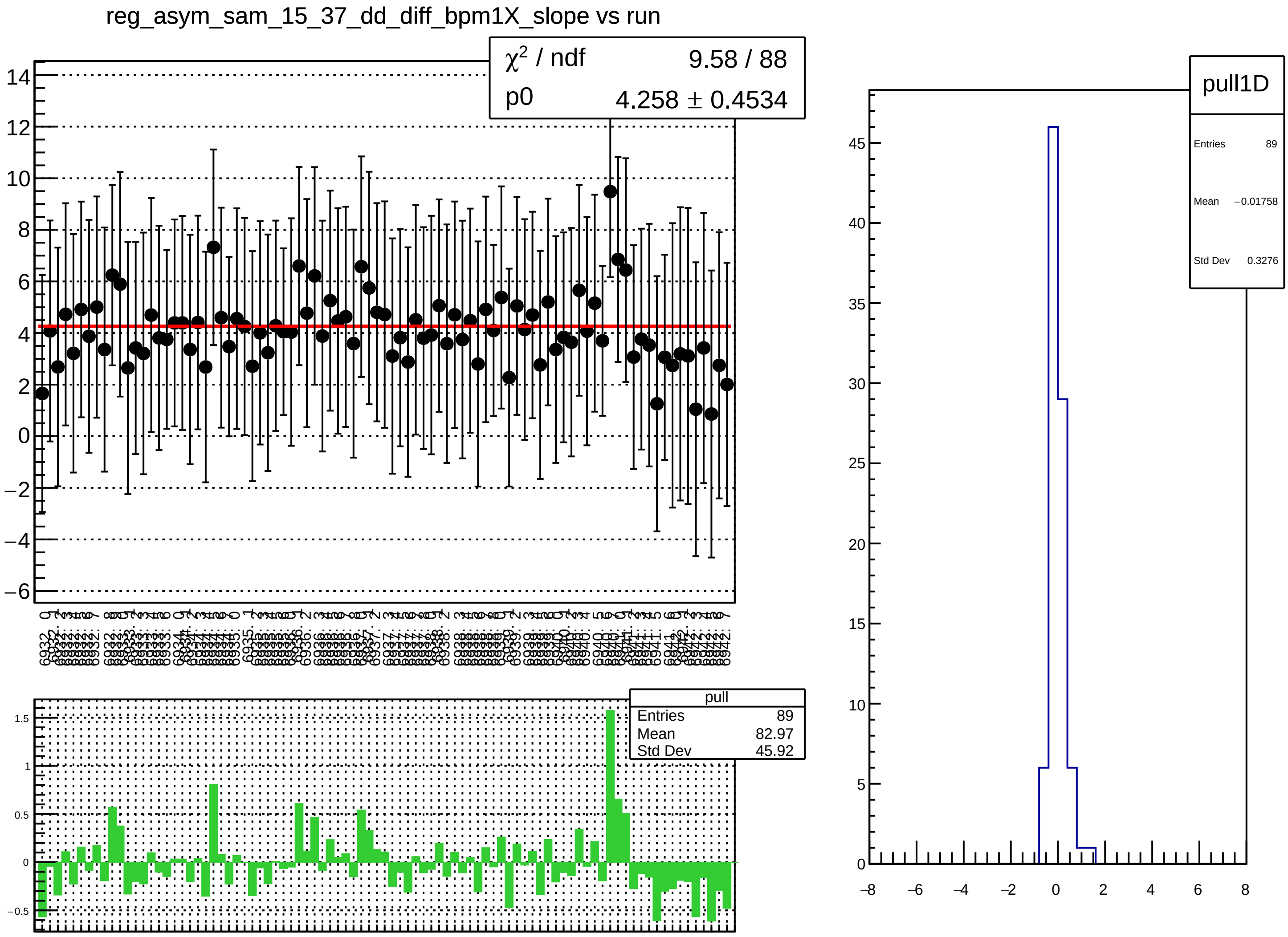
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run



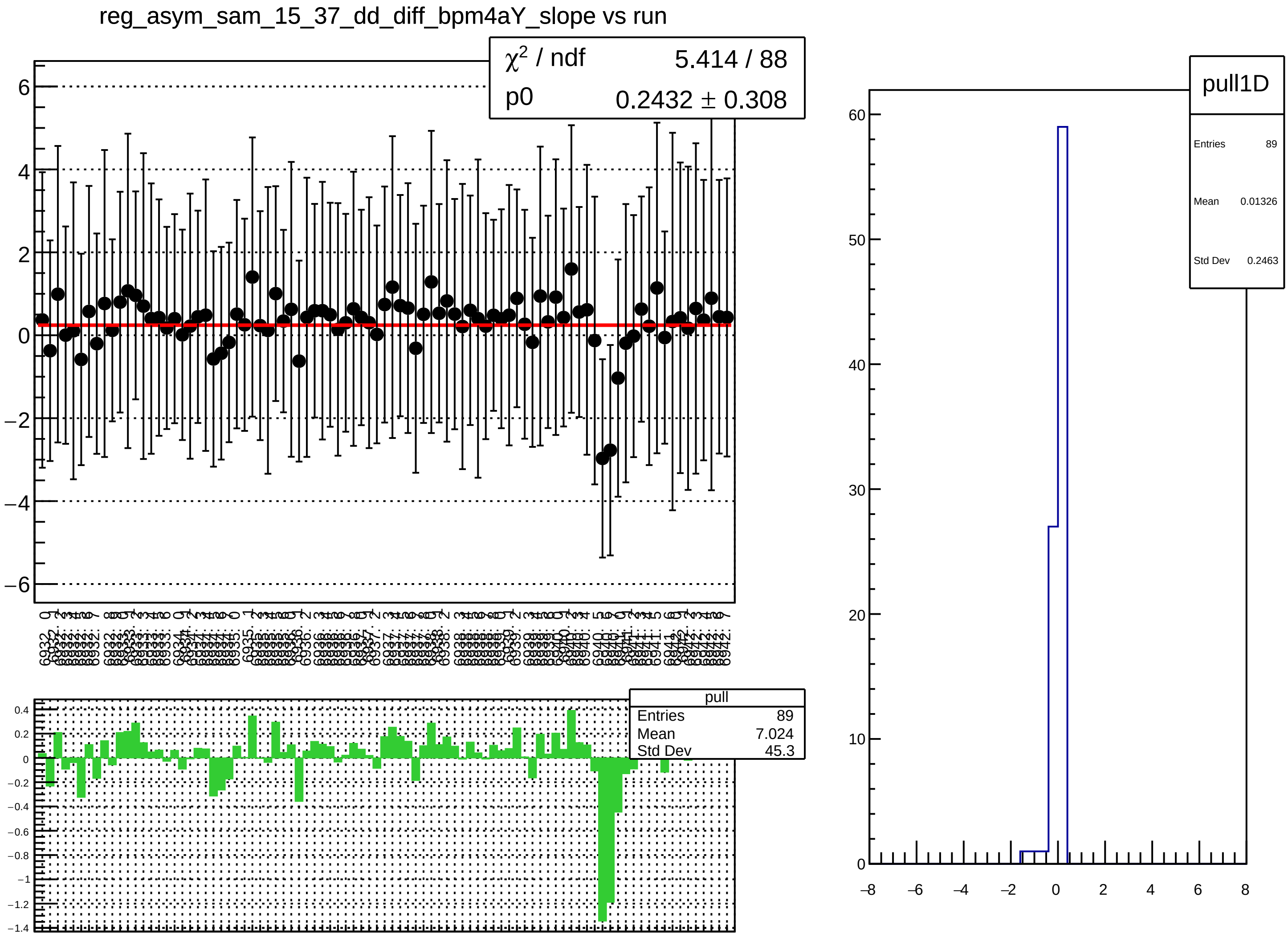




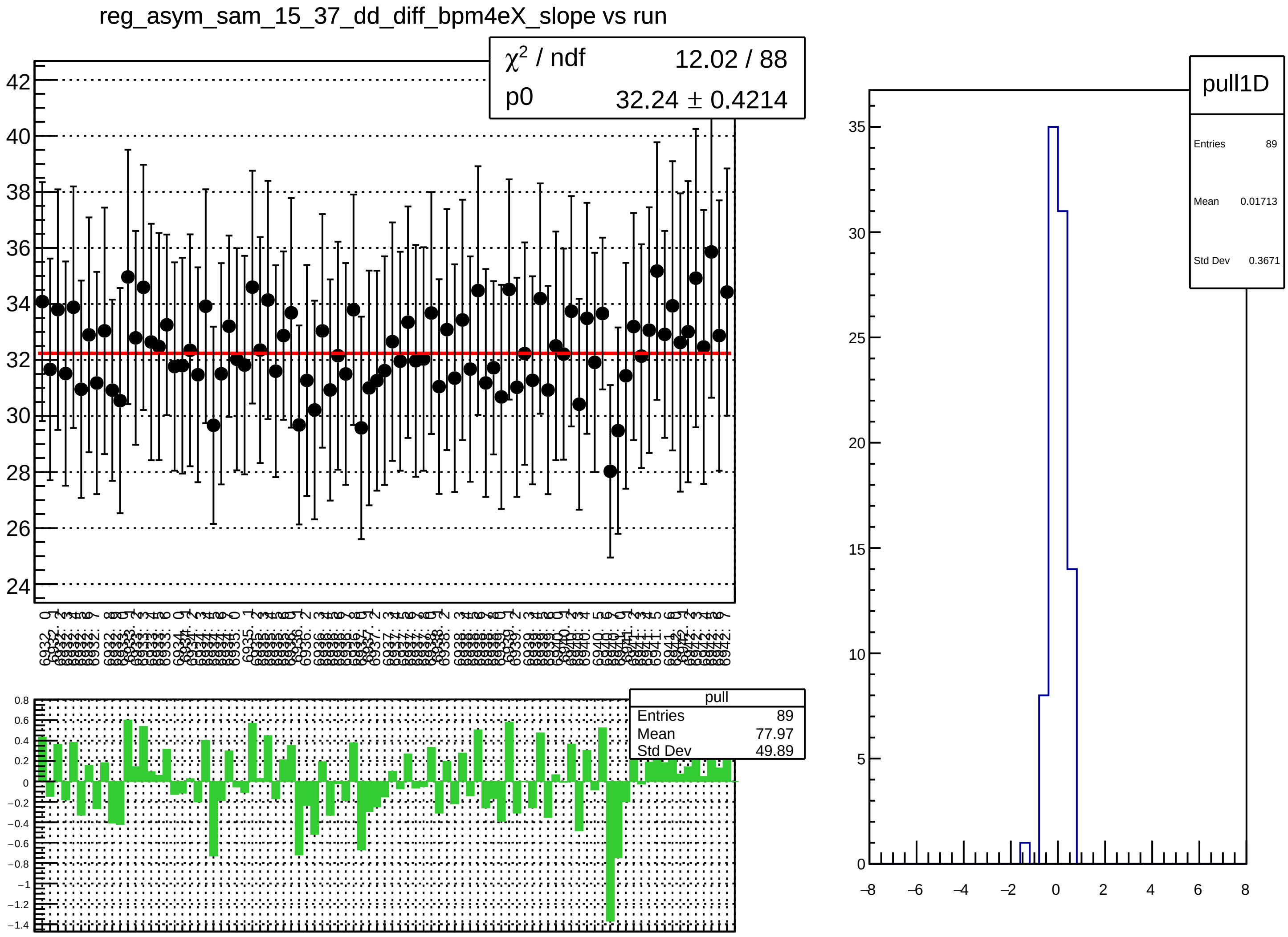
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.25 / 88
p0 0.2747 ± 0.01328
pull
Entries 89
Mean −261.6
Std Dev 342.4
pull1D
Entries 89
Mean 0.002341
Std Dev 0.3859



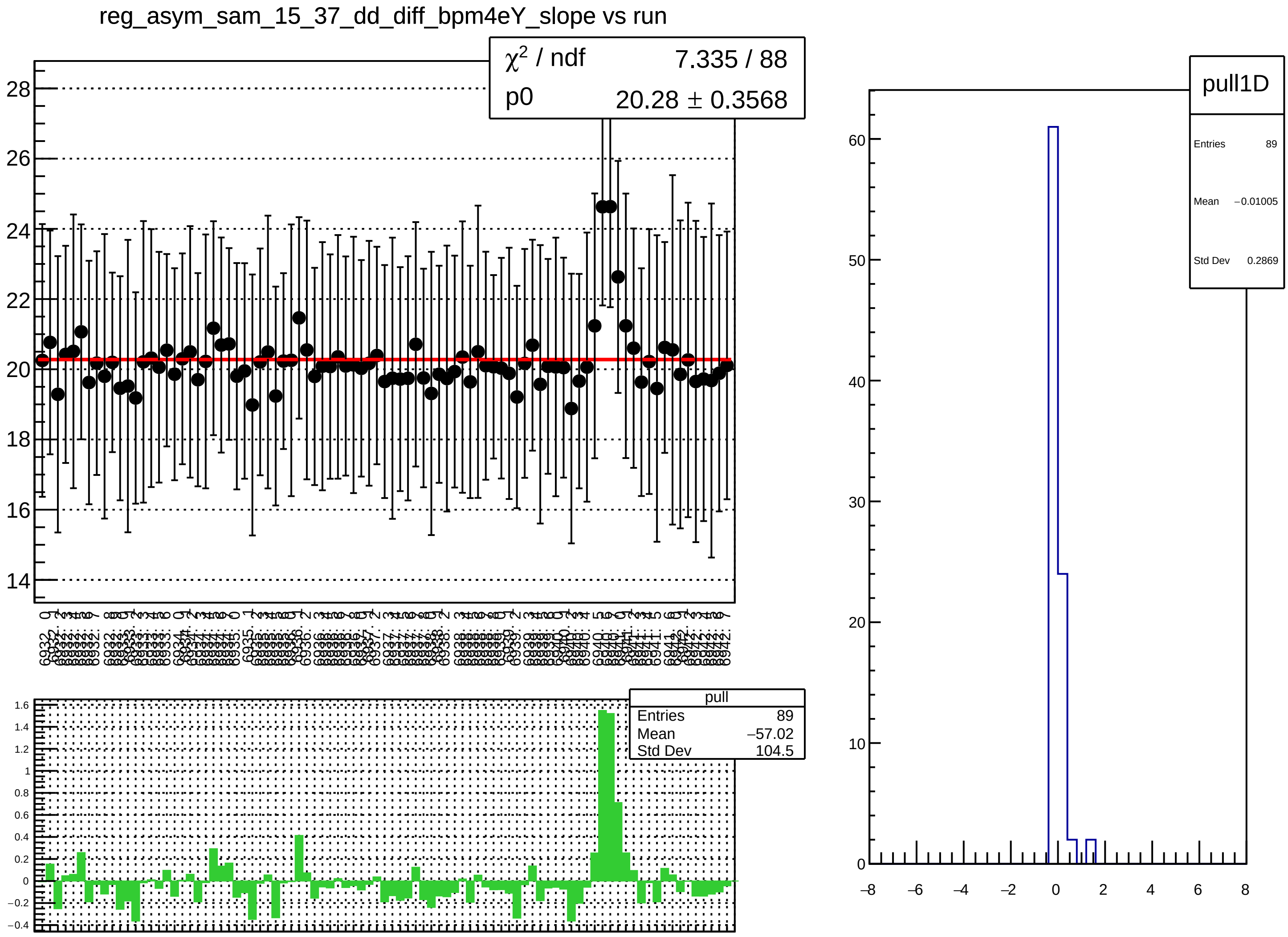
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 9.58 / 88
p0 4.258 ± 0.4534
pull
Entries 89
Mean 82.97
Std Dev 45.92
pull1D
Entries 89
Mean −0.01758
Std Dev 0.3276



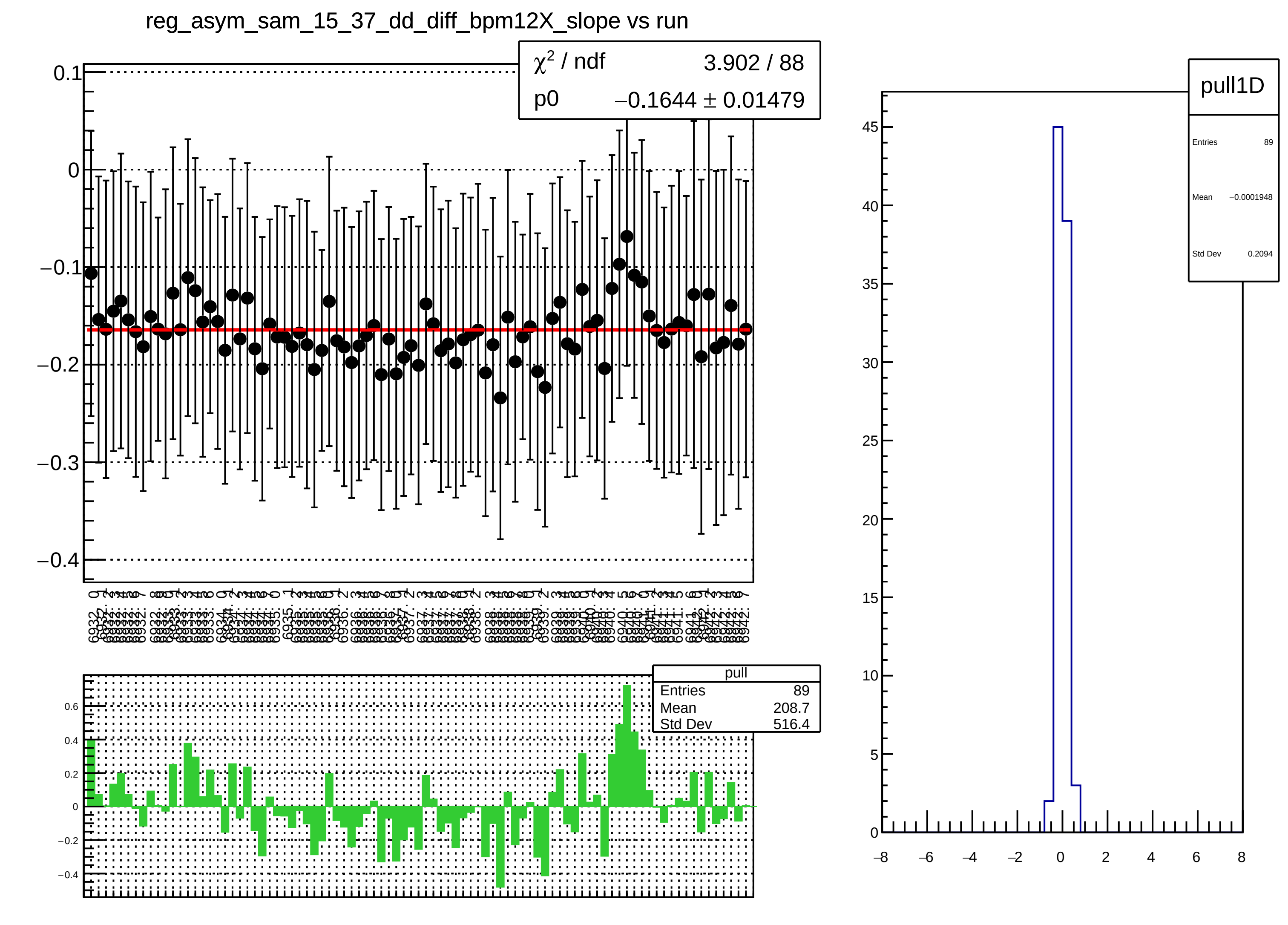
reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.414 / 88
p0 0.2432 ± 0.308
pull
Entries 89
Mean 7.024
Std Dev 45.3
pull1D
Entries 89
Mean 0.01326
Std Dev 0.2463



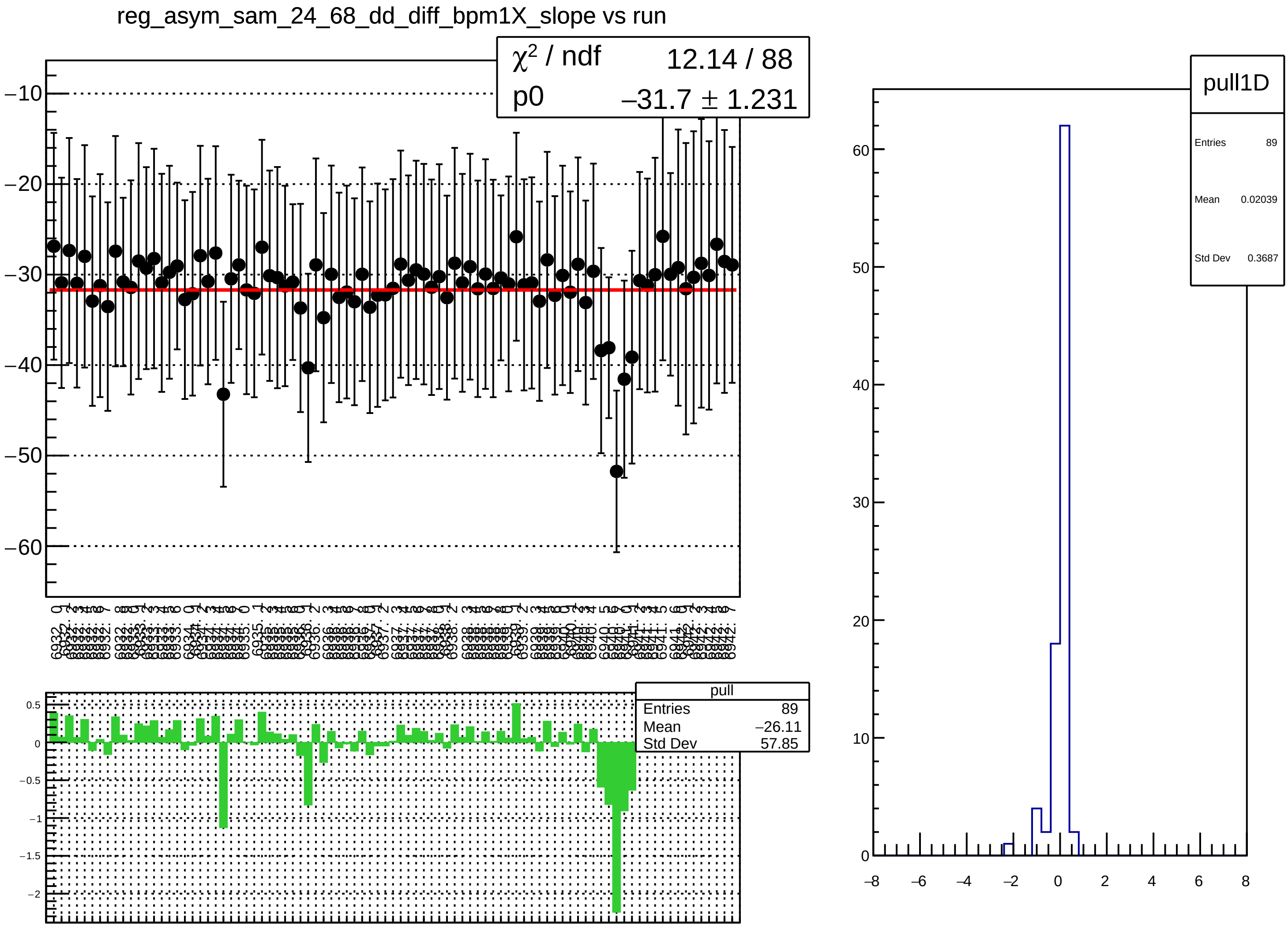
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.02 / 88
p0 32.24 ± 0.4214
pull
Entries 89
Mean 77.97
Std Dev 49.89
pull1D
Entries 89
Mean 0.01713
Std Dev 0.3671



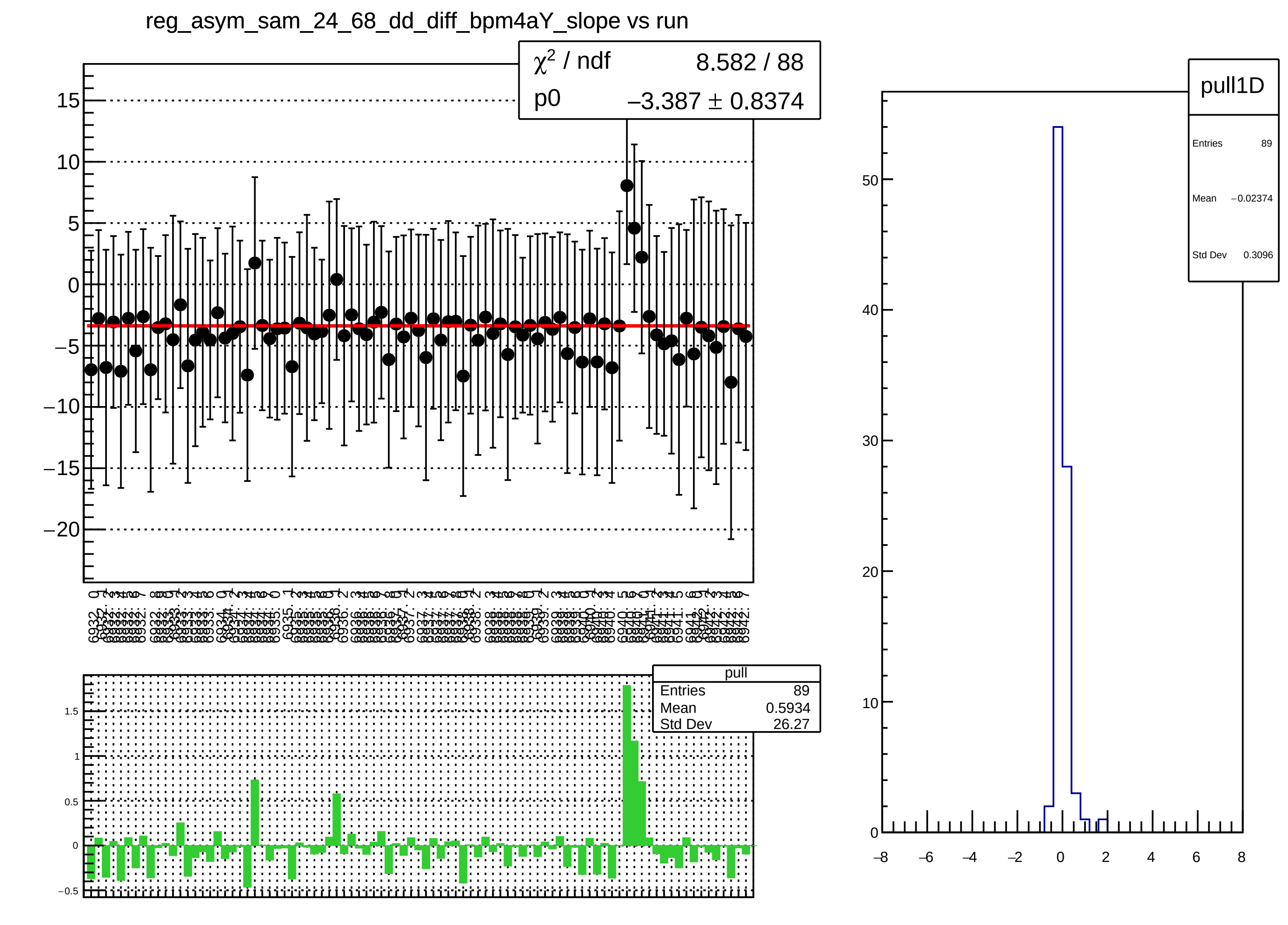
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.335 / 88
p0 20.28 ± 0.3568
pull
Entries 89
Mean −57.02
Std Dev 104.5
pull1D
Entries 89
Mean −0.01005
Std Dev 0.2869



reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.902 / 88
p0 −0.1644 ± 0.01479
pull
Entries 89
Mean 208.7
Std Dev 516.4
pull1D
Entries 89
Mean −0.0001948
Std Dev 0.2094

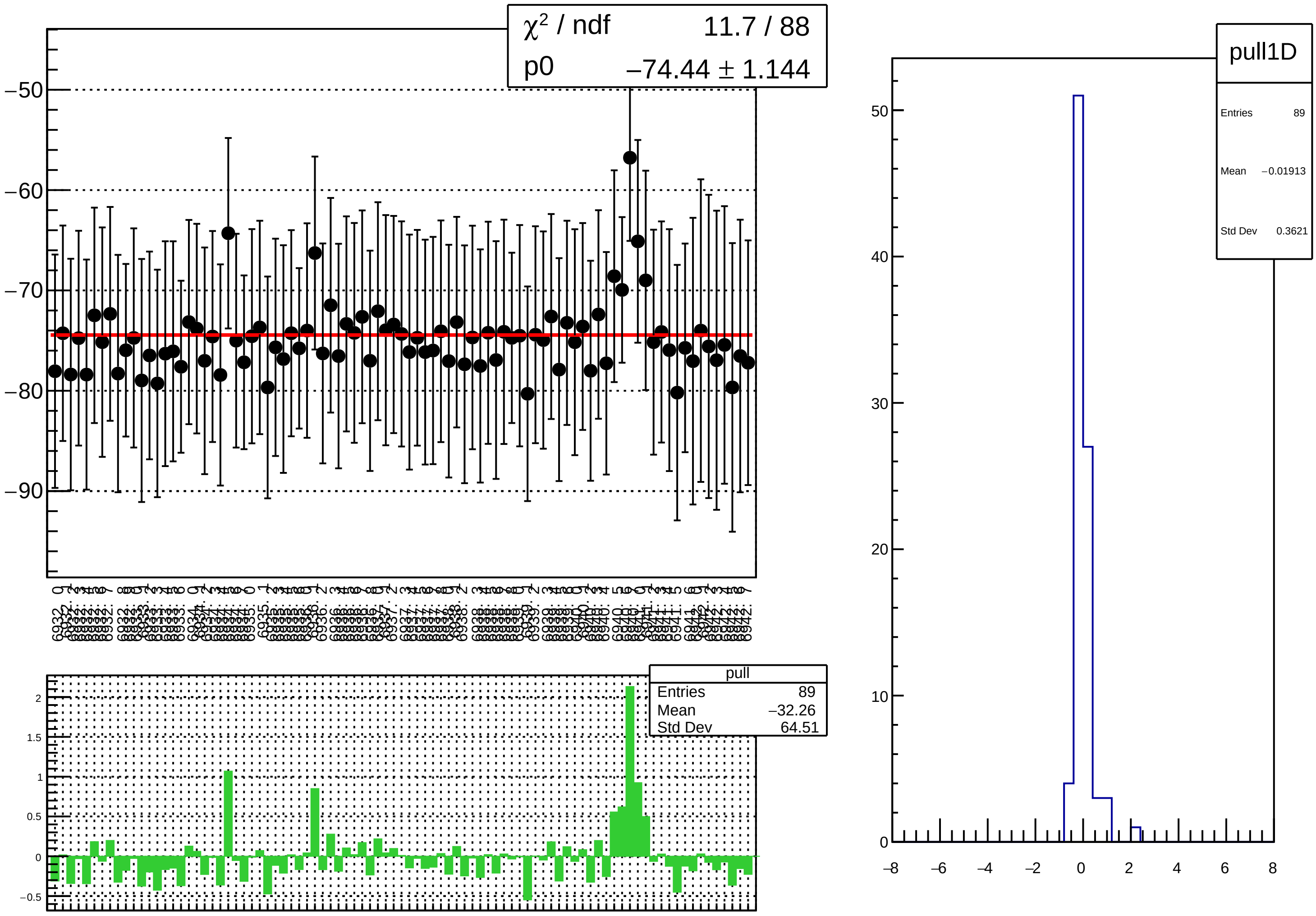


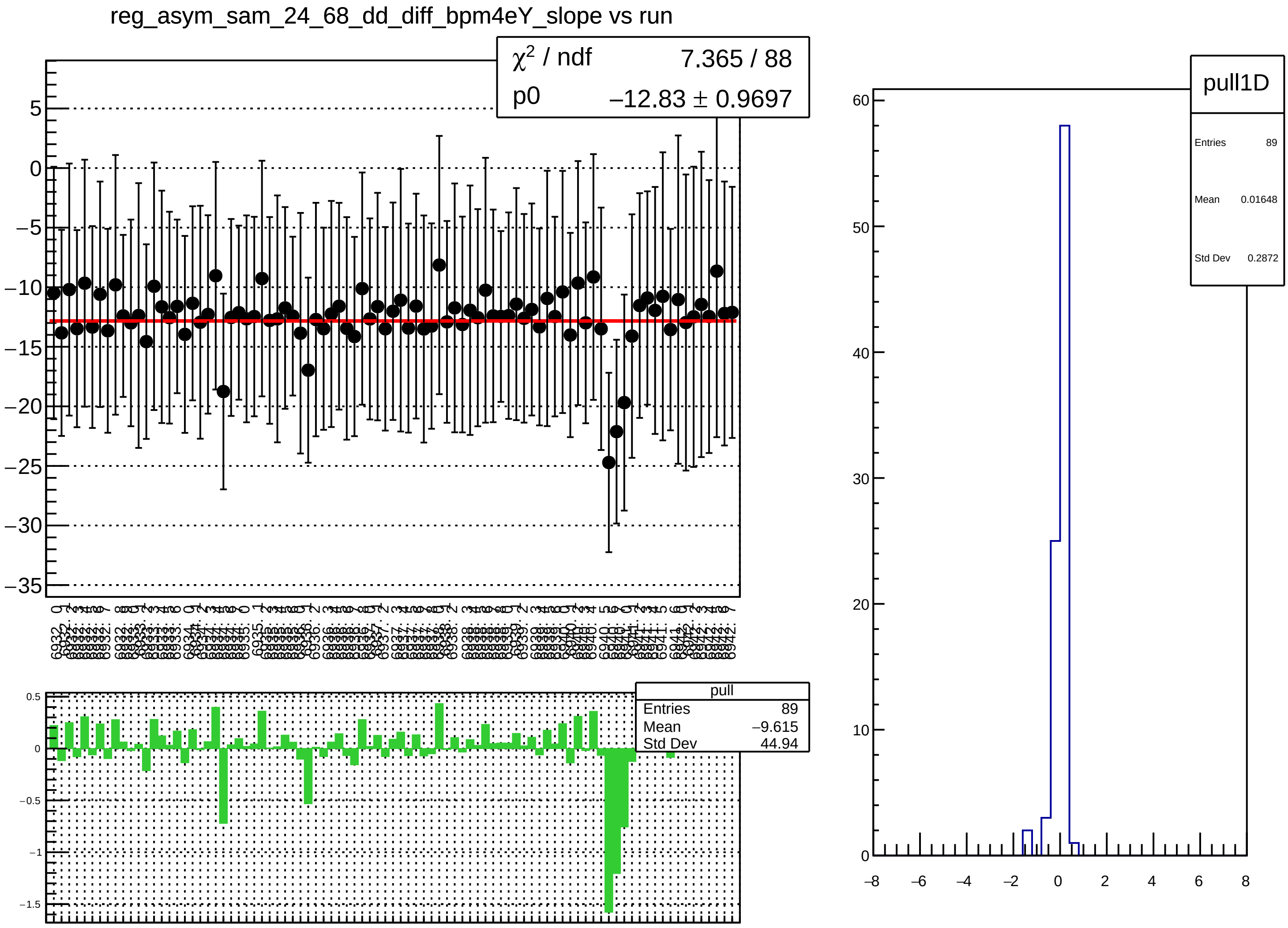
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ2 / ndf 12.14 / 88
p0 −31.7 ± 1.231
pull
Entries 89
Mean −26.11
Std Dev 57.85
pull1D
Entries 89
Mean 0.02039
Std Dev 0.3687



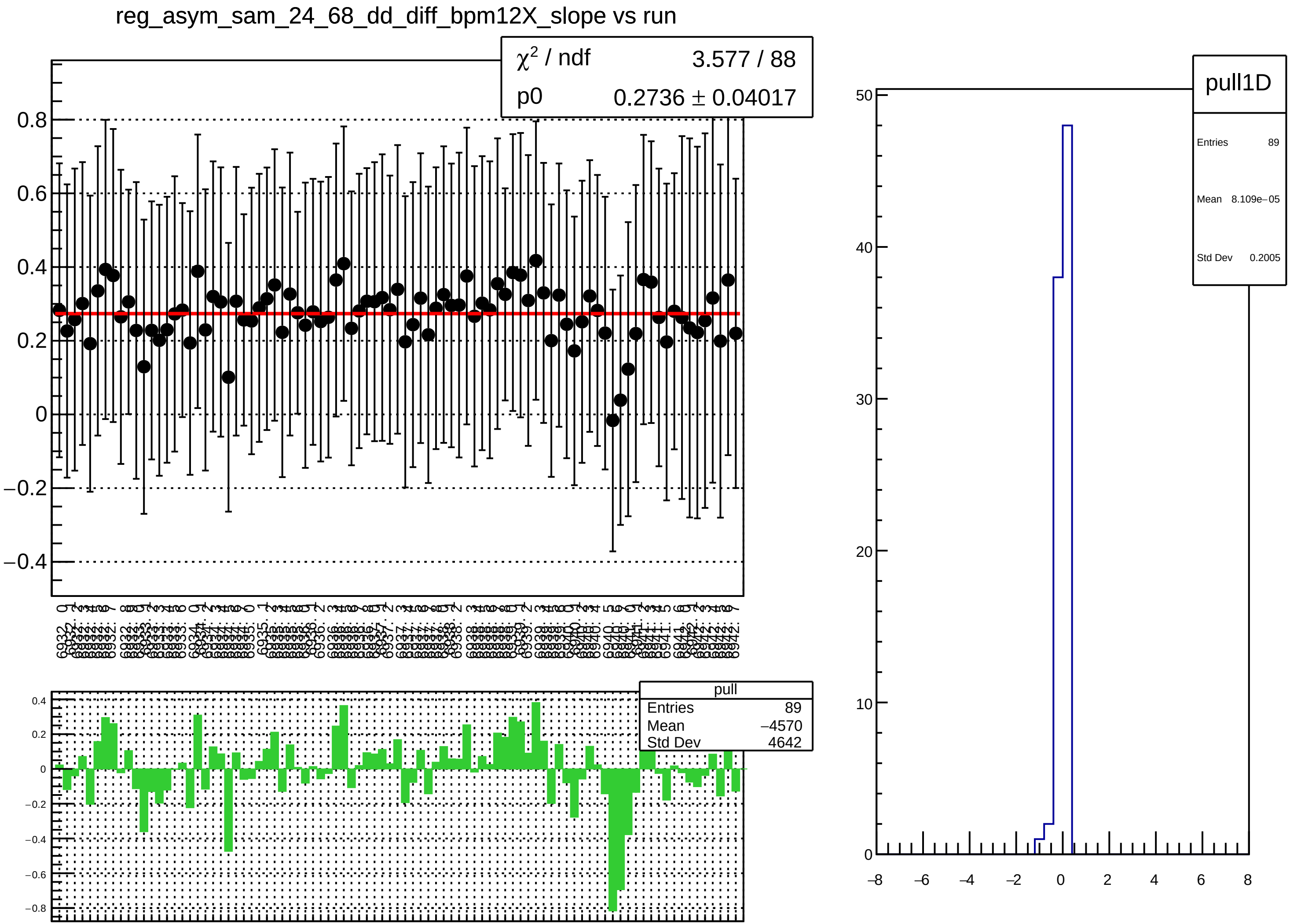
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.582 / 88
p0 −3.387 ± 0.8374
pull
Entries 89
Mean 0.5934
Std Dev 26.27
pull1D
Entries 89
Mean −0.02374
Std Dev 0.3096

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run



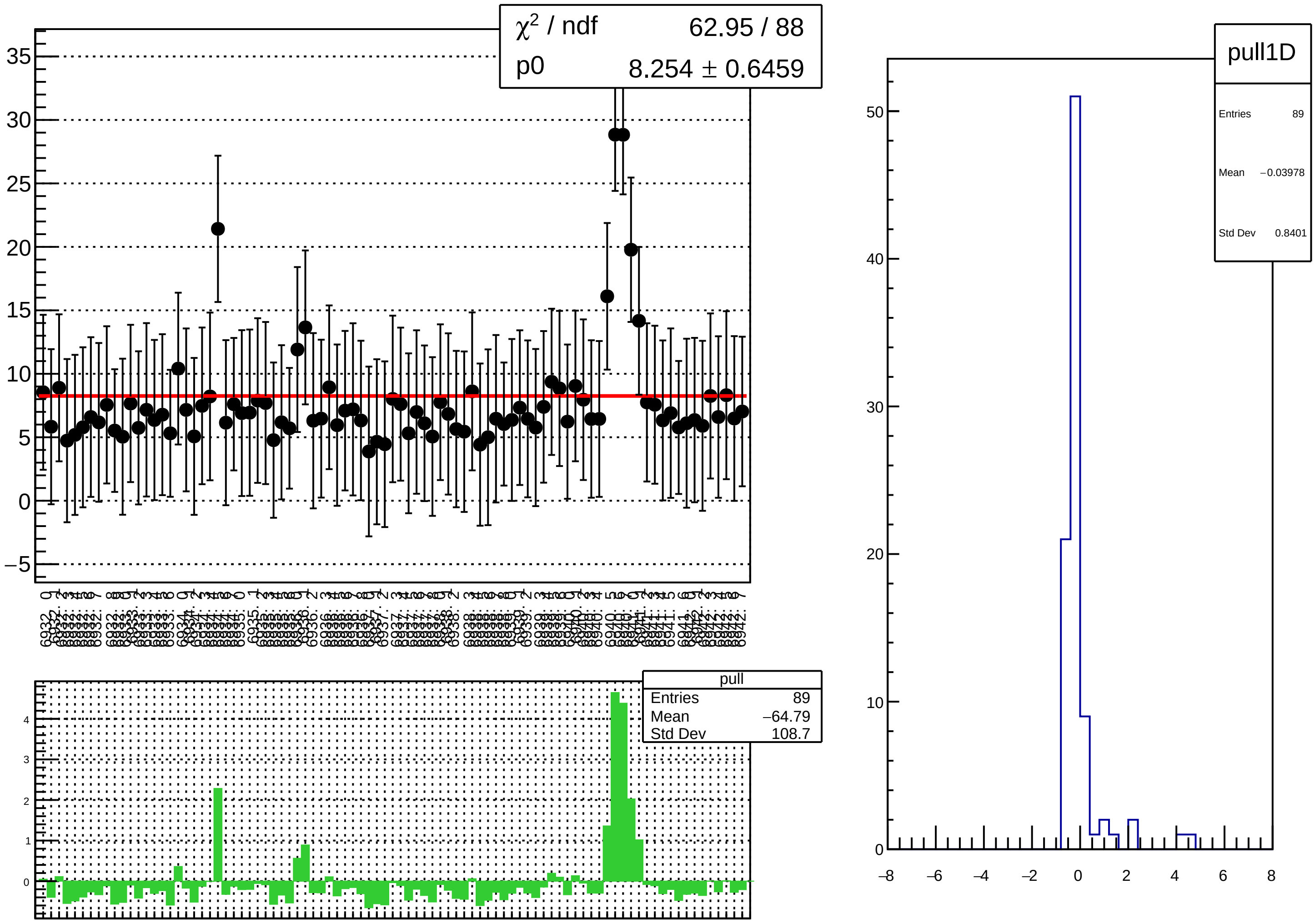


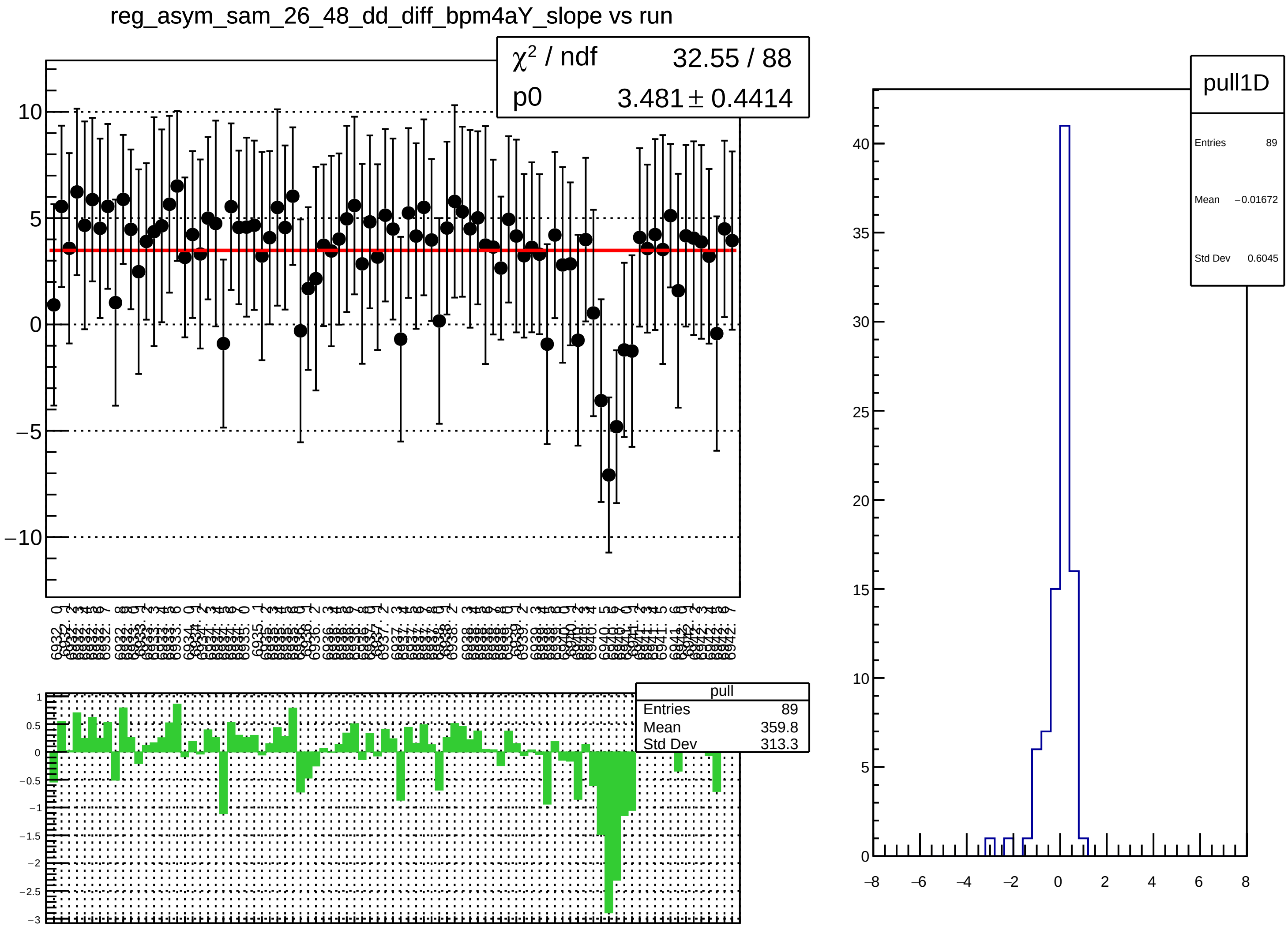
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.365 / 88
p0 −12.83 ± 0.9697
pull
Entries 89
Mean −9.615
Std Dev 44.94
pull1D
Entries 89
Mean 0.01648
Std Dev 0.2872

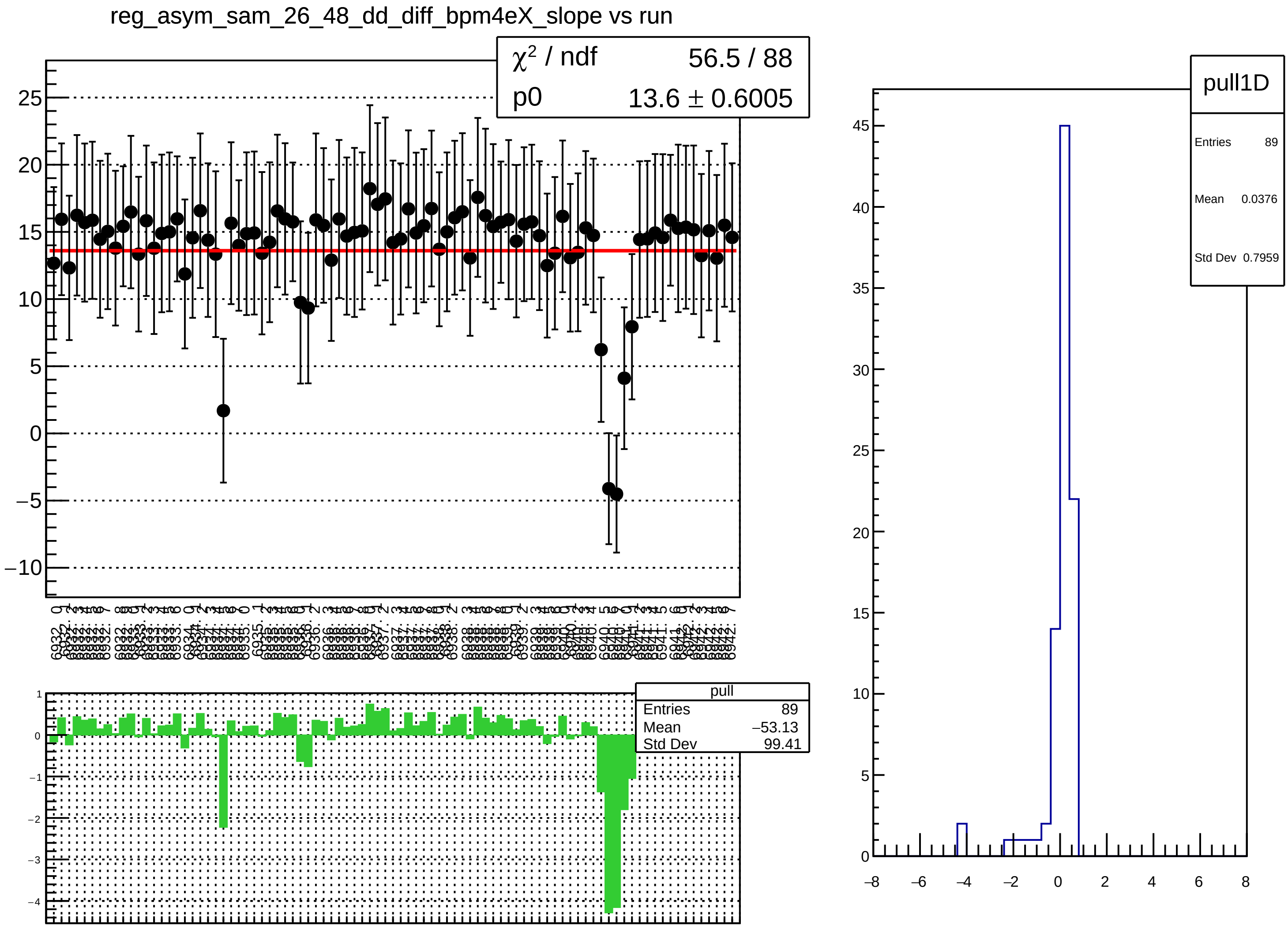


reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.577 / 88
p0 0.2736 ± 0.04017
pull
Entries 89
Mean −4570
Std Dev 4642
pull1D
Entries 89
Mean 8.109e−05
Std Dev 0.2005

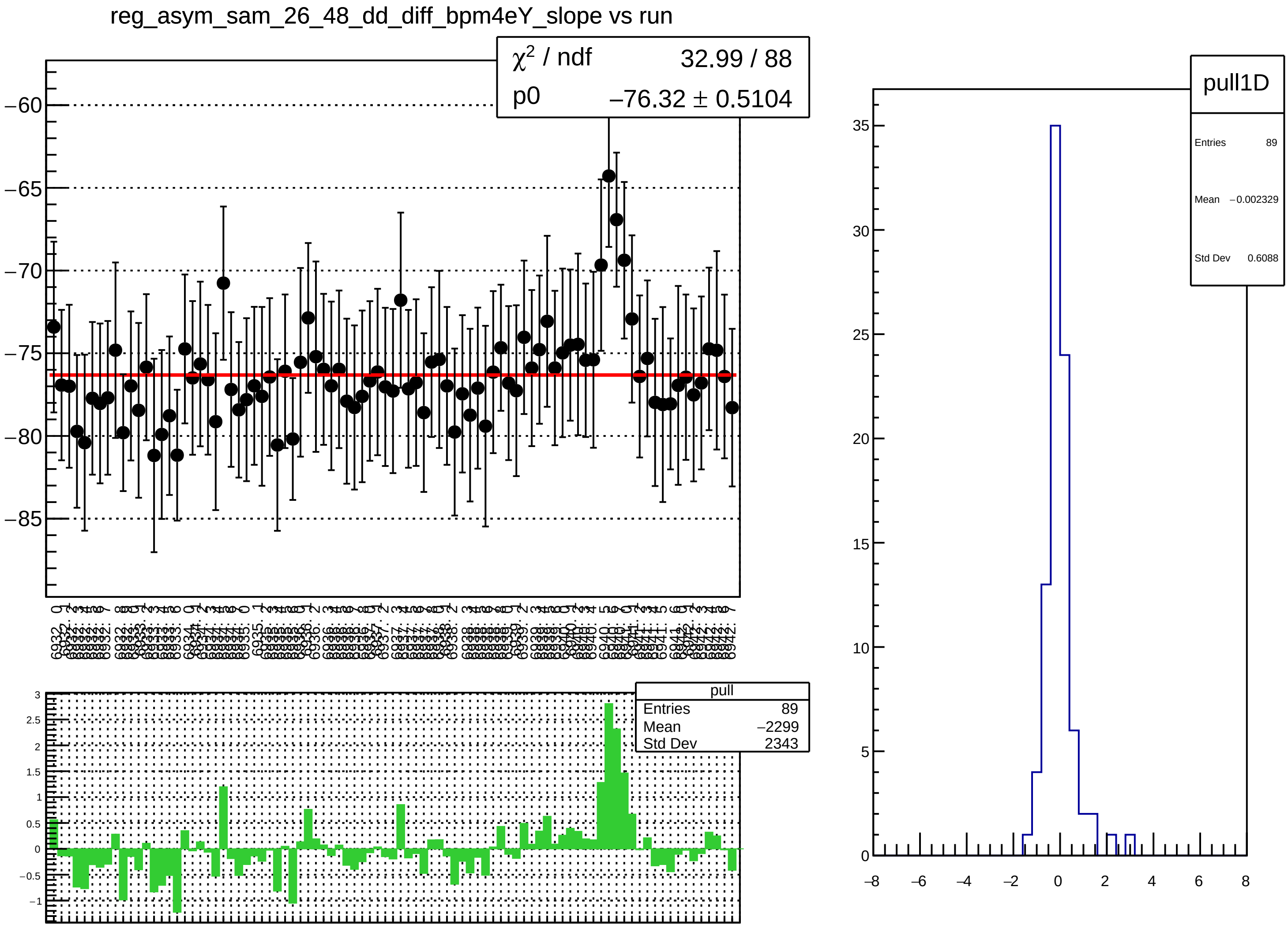
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run



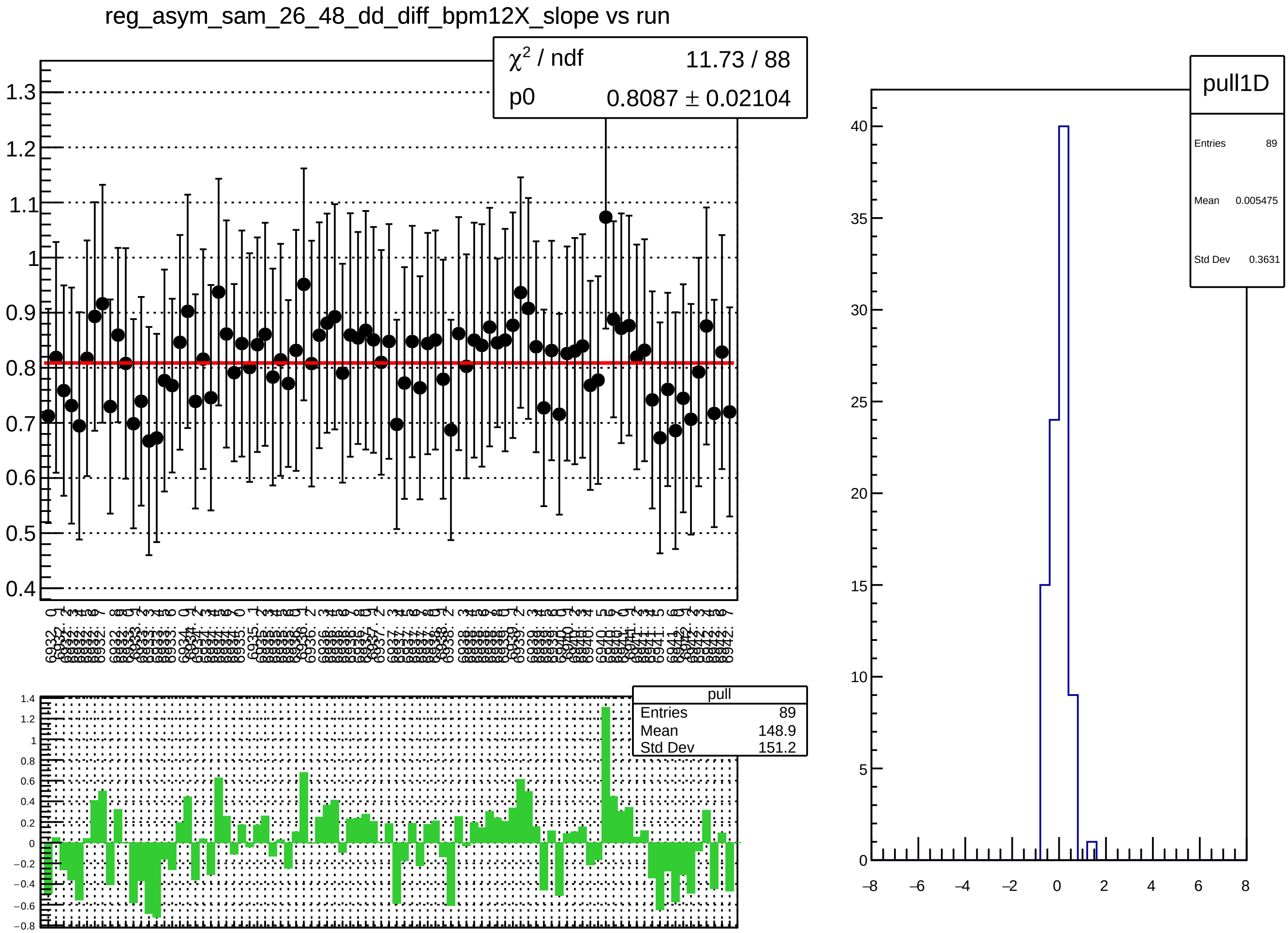

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 32.55 / 88
p0 3.481 ± 0.4414
pull
Entries 89
Mean 359.8
Std Dev 313.3
pull1D
Entries 89
Mean −0.01672
Std Dev 0.6045



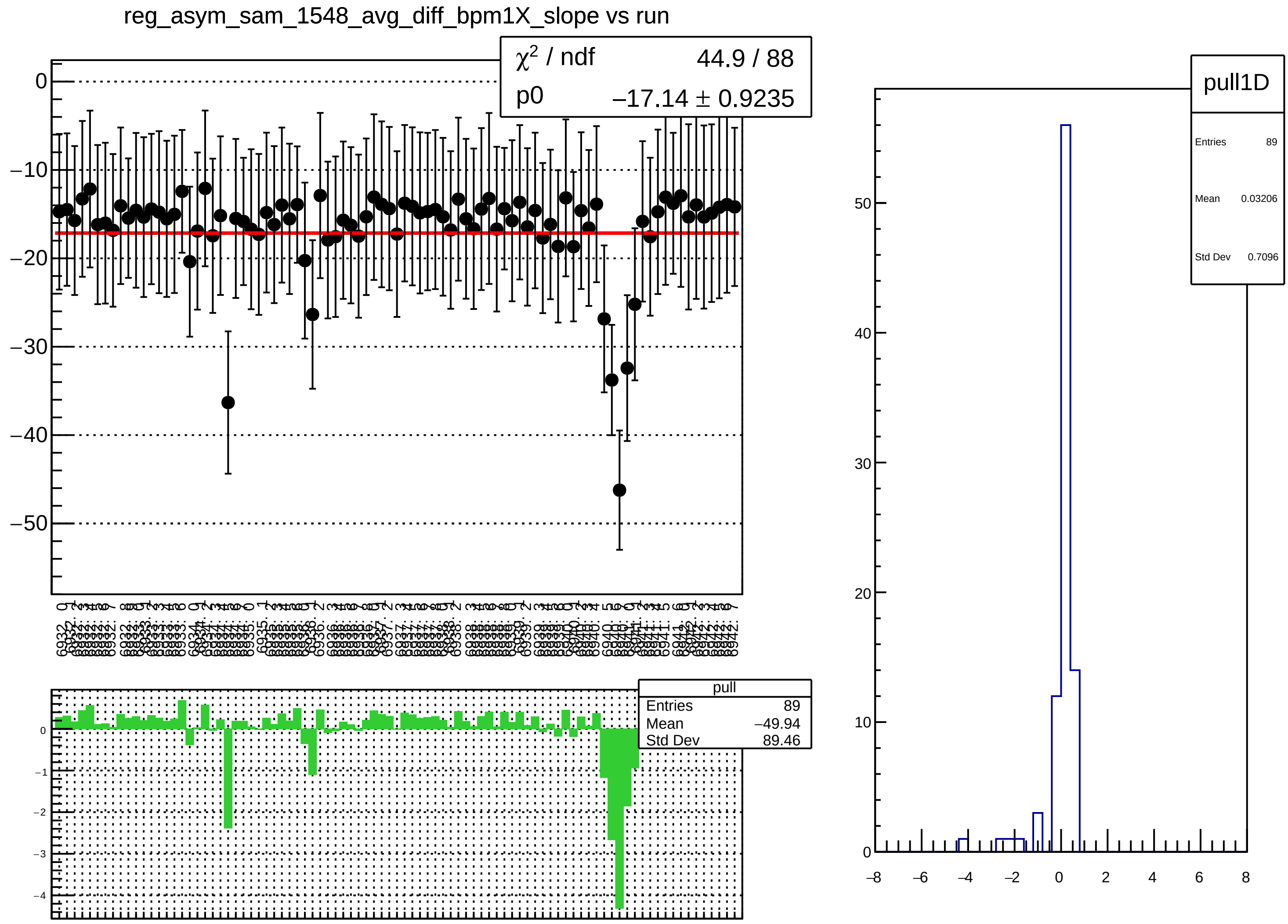
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 56.5 / 88
p0 13.6 ± 0.6005
25
20
15
10
5
0
−5
−10
pull
Entries 89
Mean −53.13
Std Dev 99.41
1
0
−1
−2
−3
−4
pull1D
Entries 89
Mean 0.0376
Std Dev 0.7959
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



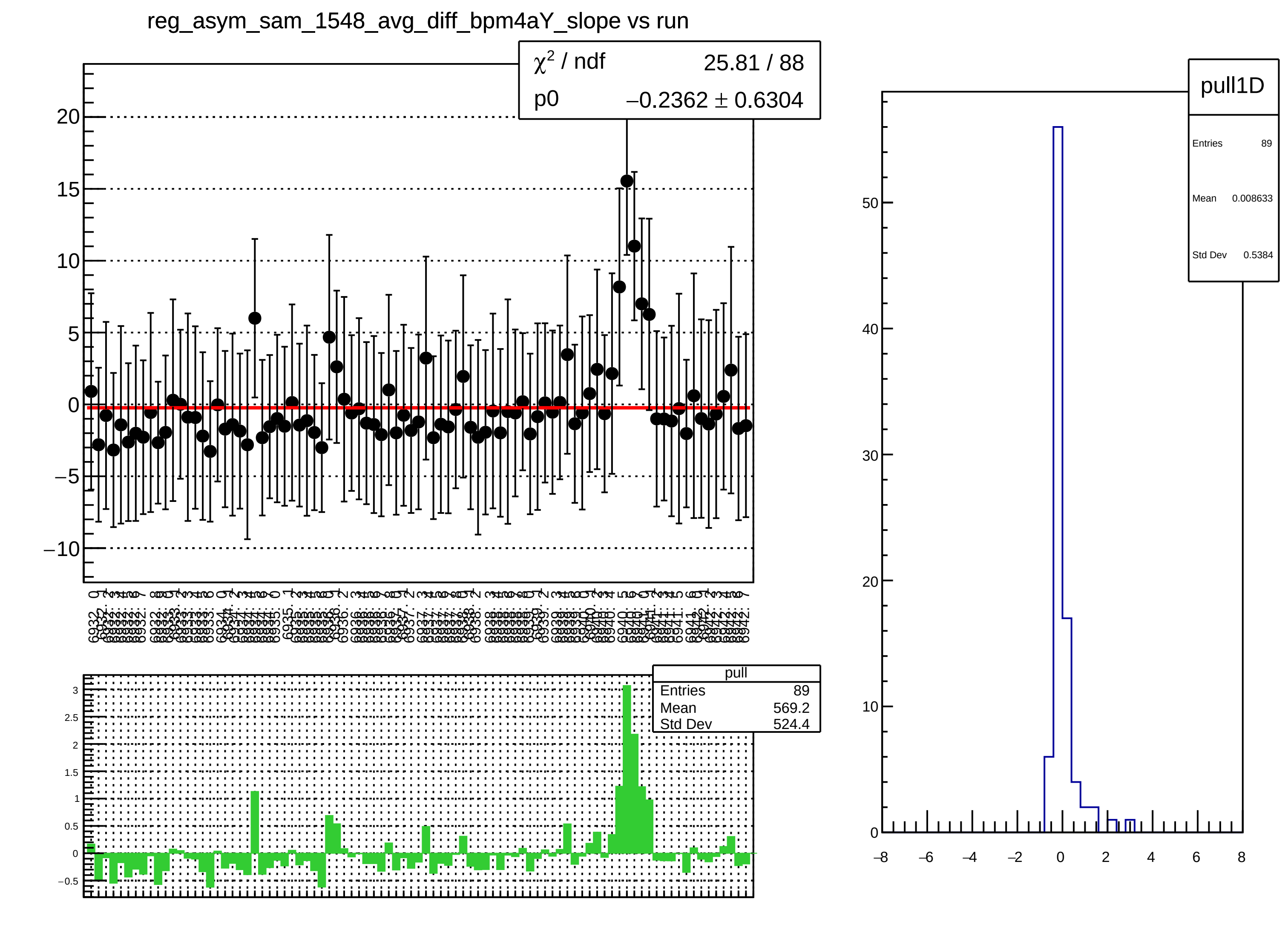
reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 32.99 / 88
p0 −76.32 ± 0.5104
pull
Entries 89
Mean −2299
Std Dev 2343
pull1D
Entries 89
Mean −0.002329
Std Dev 0.6088

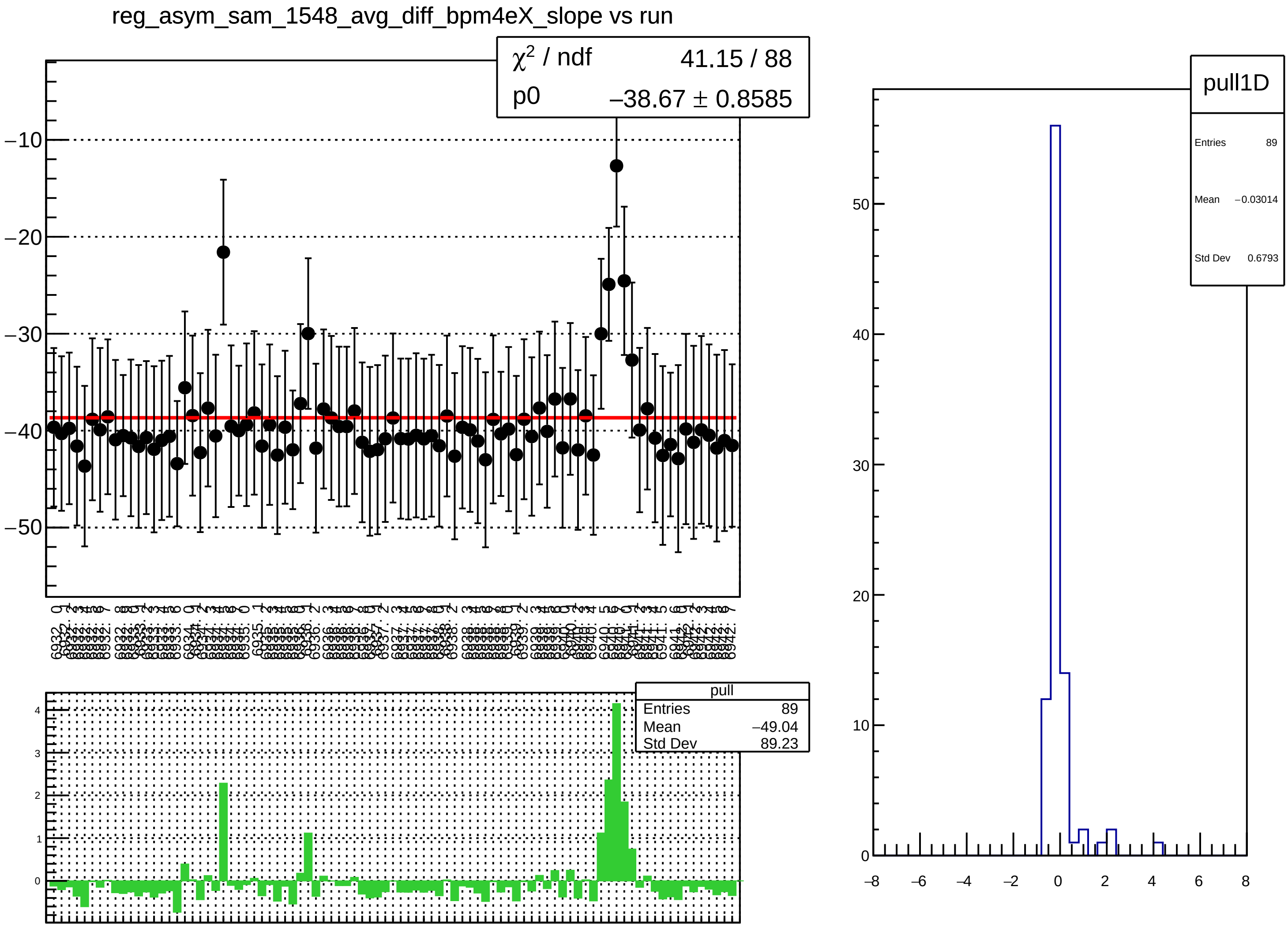


reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.73 / 88
p0 0.8087 ± 0.02104
pull
Entries 89
Mean 148.9
Std Dev 151.2
pull1D
Entries 89
Mean 0.005475
Std Dev 0.3631

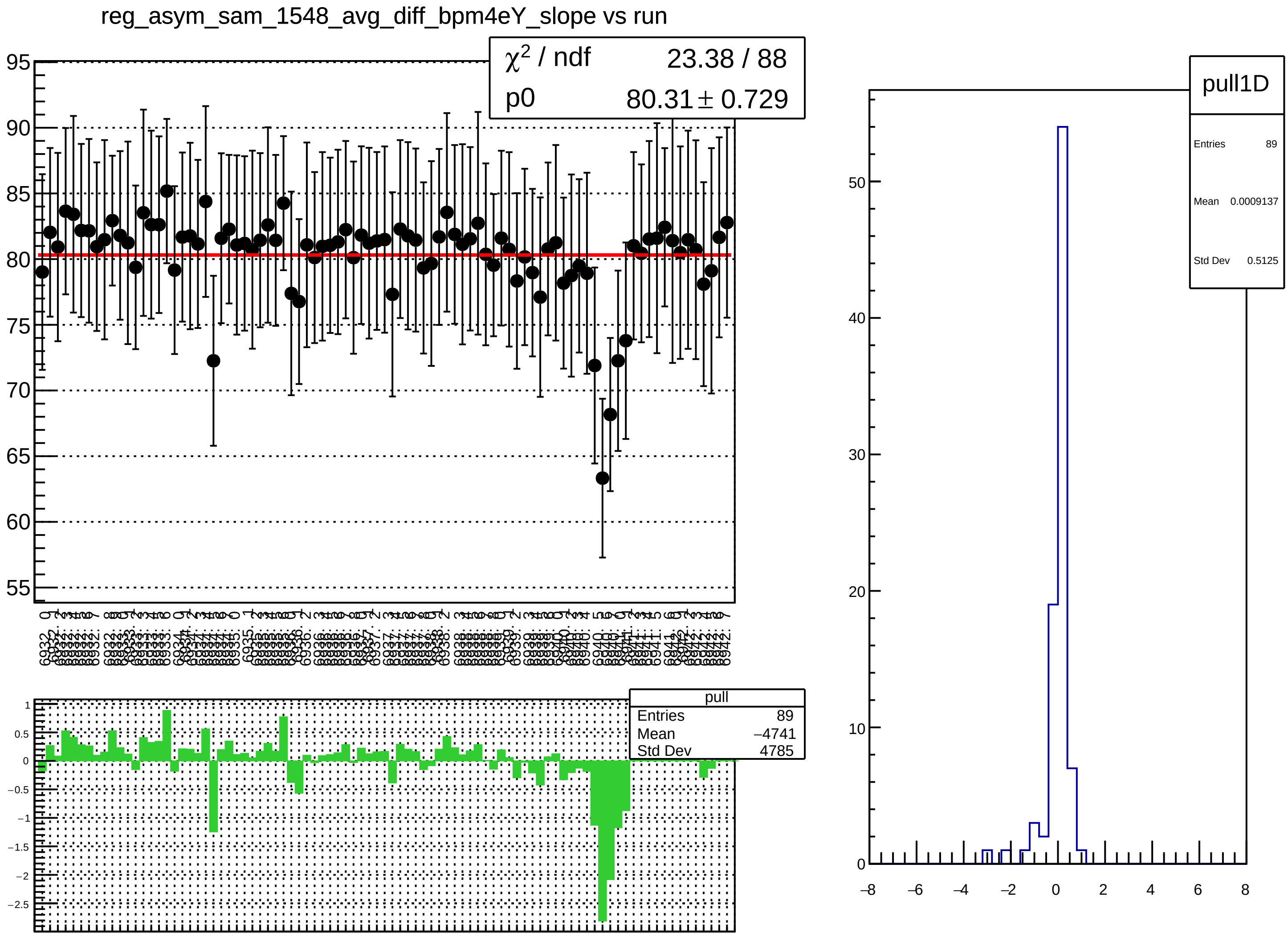


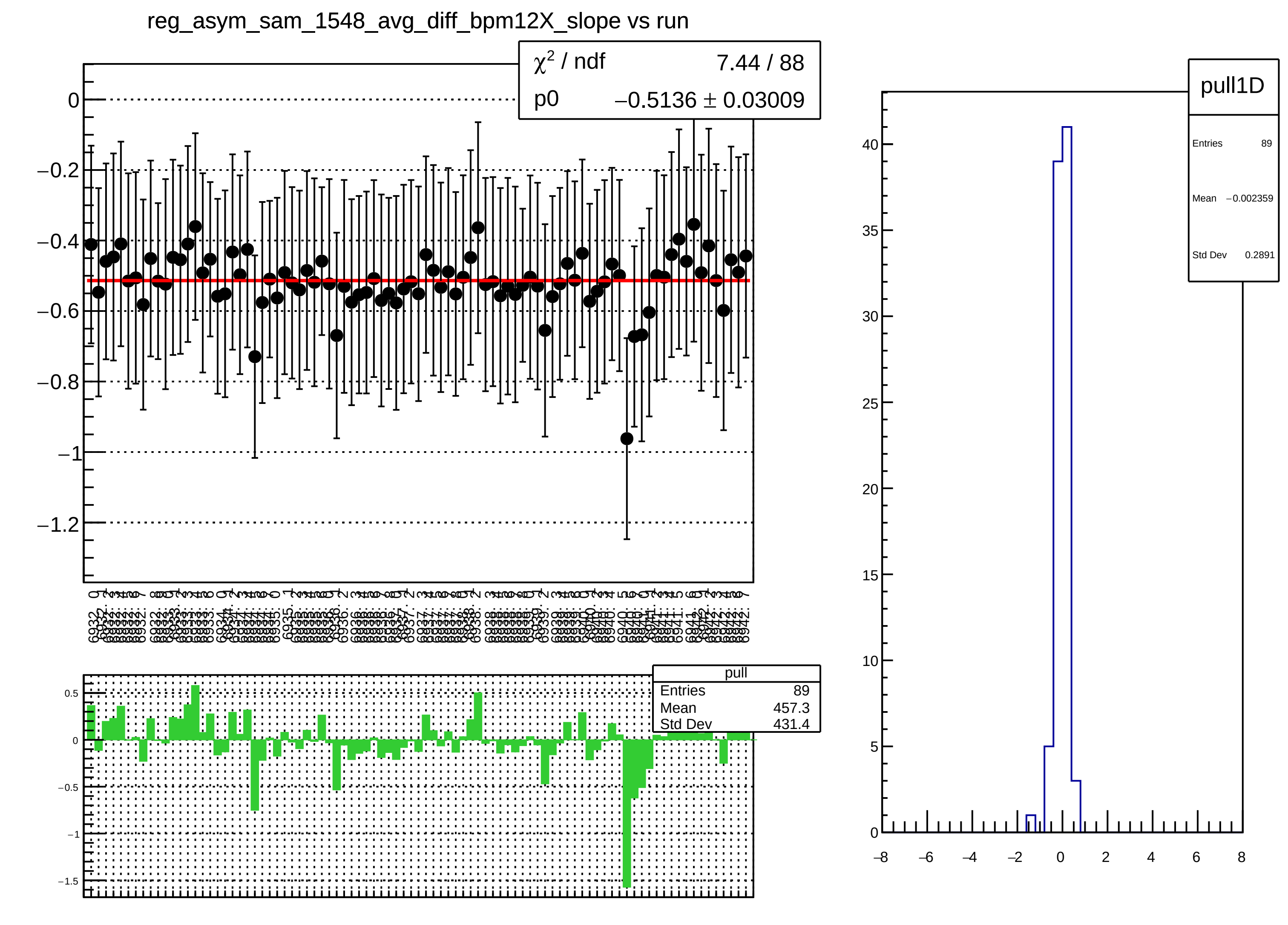
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.9 / 88
p0 −17.14 ± 0.9235
pull
Entries 89
Mean −49.94
Std Dev 89.46
pull1D
Entries 89
Mean 0.03206
Std Dev 0.7096


reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 25.81 / 88
p0 −0.2362 ± 0.6304
pull
Entries 89
Mean 569.2
Std Dev 524.4
pull1D
Entries 89
Mean 0.008633
Std Dev 0.5384

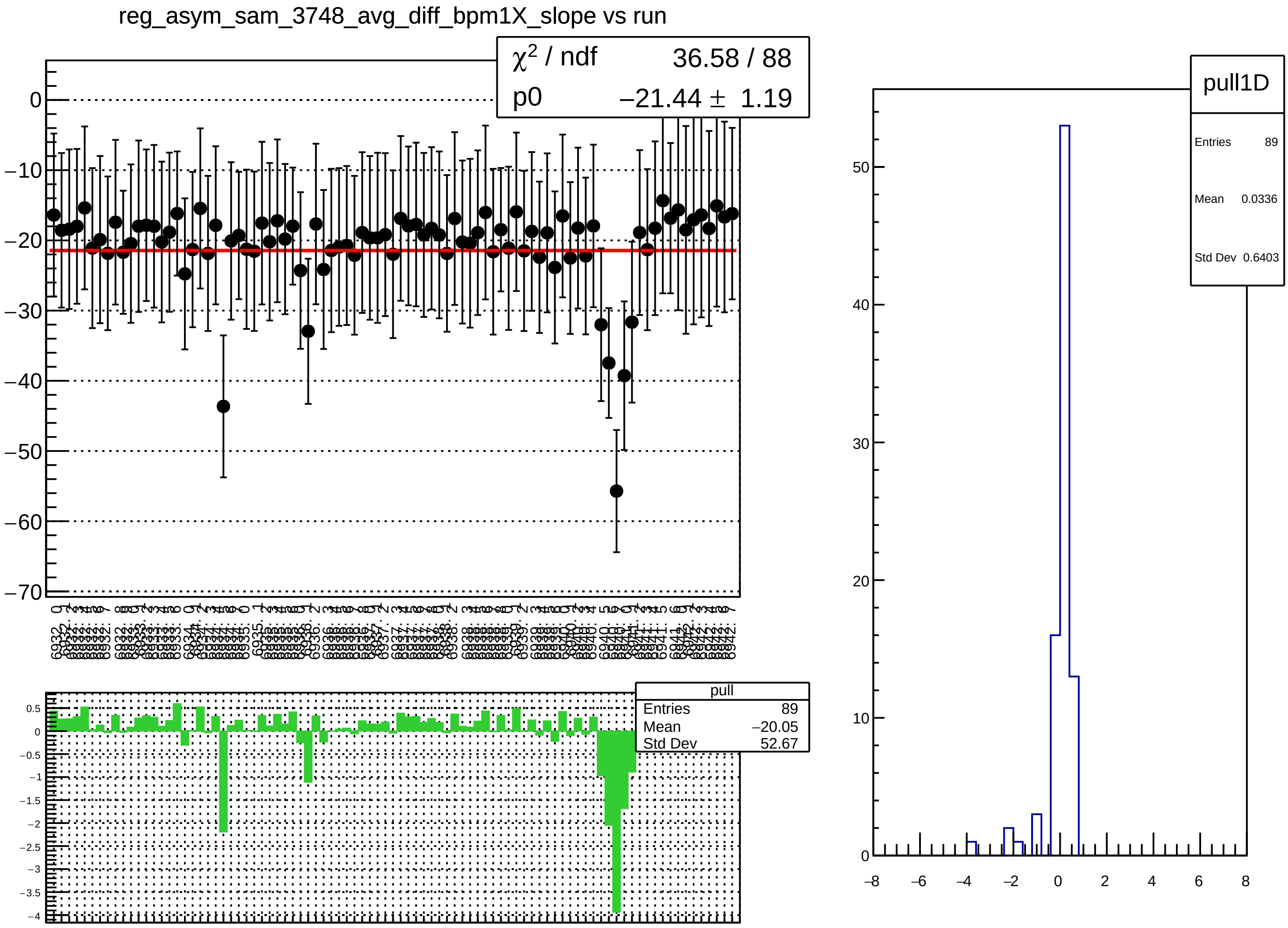


reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 41.15 / 88
p0 −38.67 ± 0.8585
pull
Entries 89
Mean −49.04
Std Dev 89.23
pull1D
Entries 89
Mean −0.03014
Std Dev 0.6793

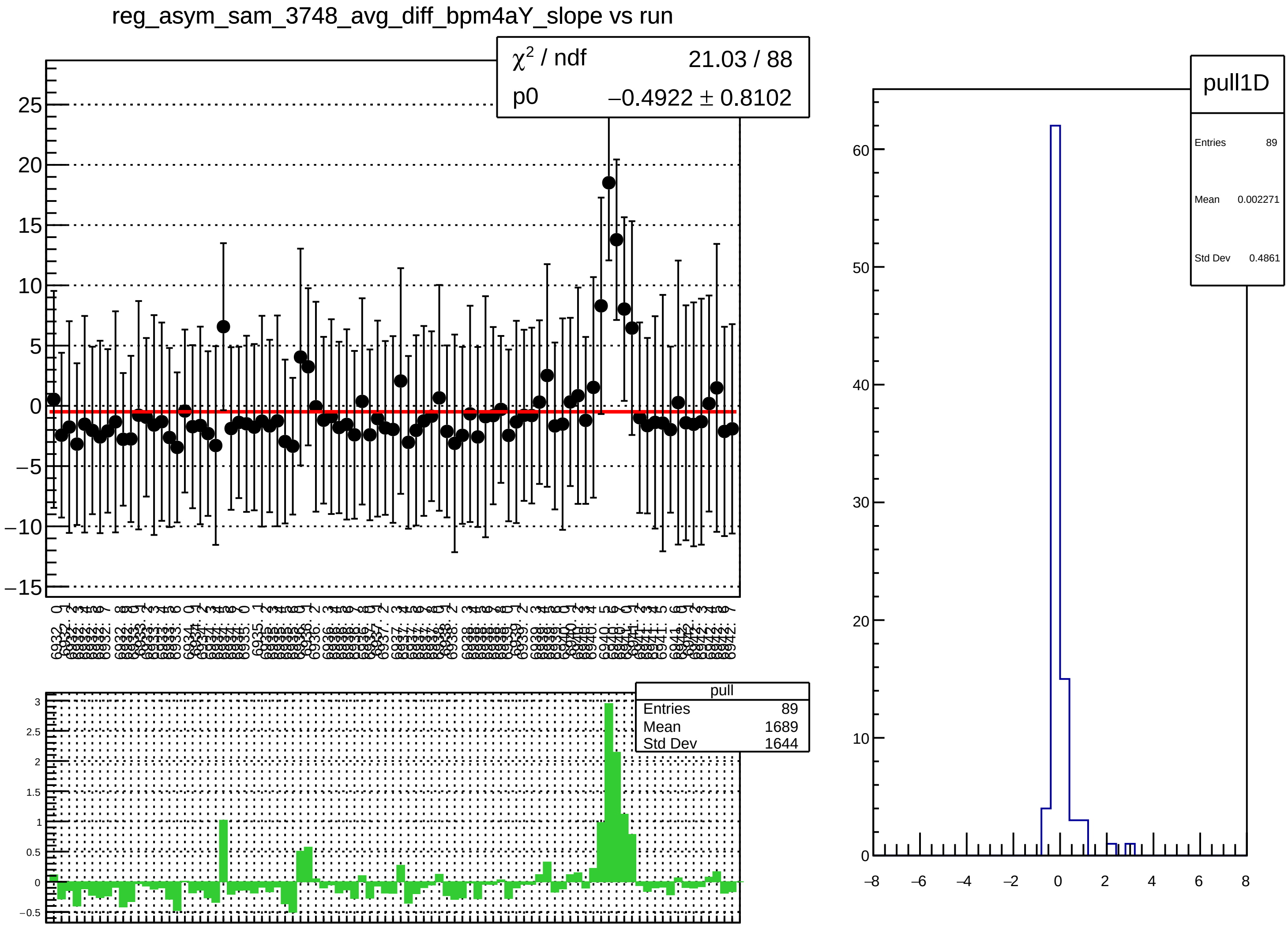

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.38 / 88
p0 80.31 ± 0.729
pull
Entries 89
Mean −4741
Std Dev 4785
pull1D
Entries 89
Mean 0.0009137
Std Dev 0.5125



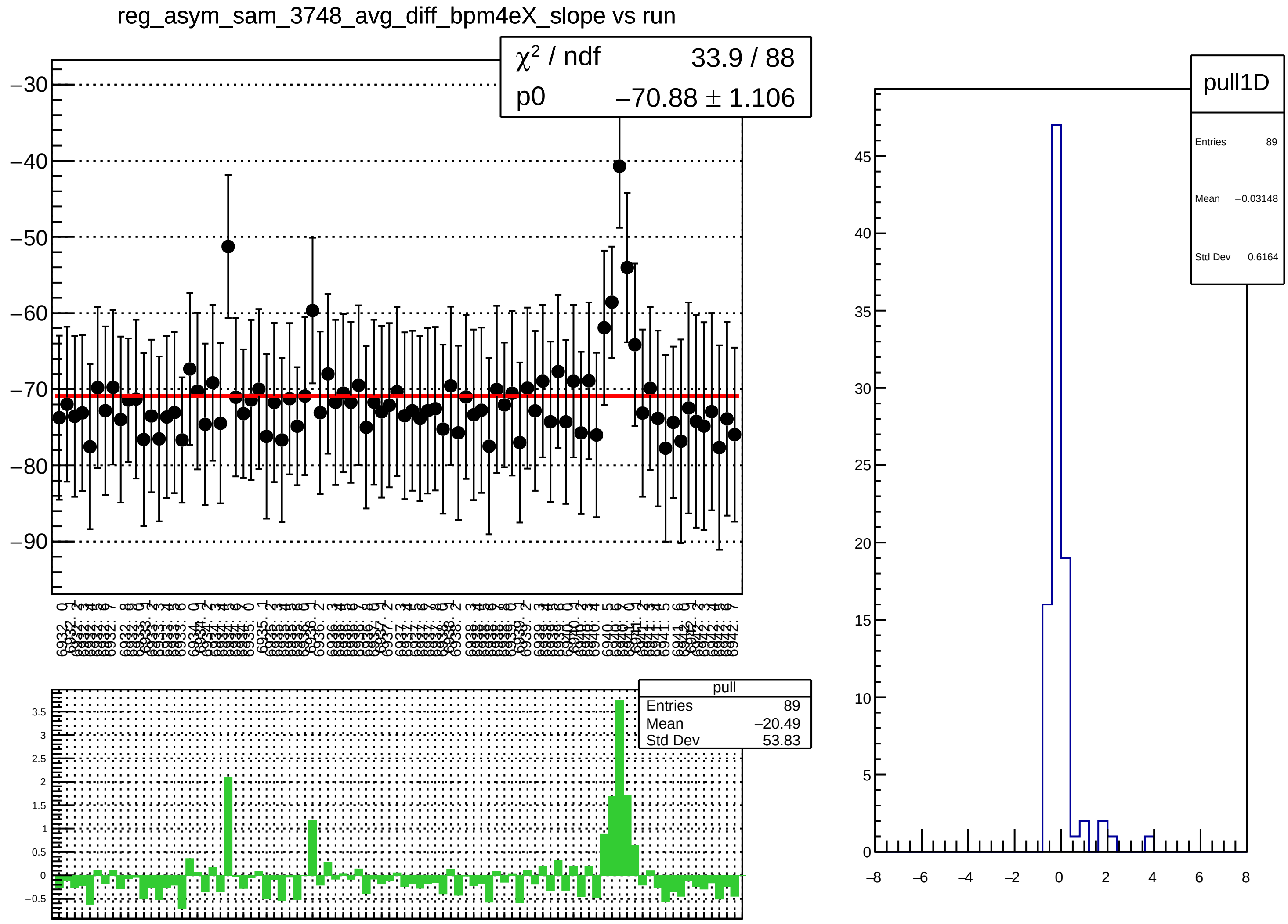
reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.44 / 88
p0 −0.5136 ± 0.03009
pull
Entries 89
Mean 457.3
Std Dev 431.4
pull1D
Entries 89
Mean −0.002359
Std Dev 0.2891

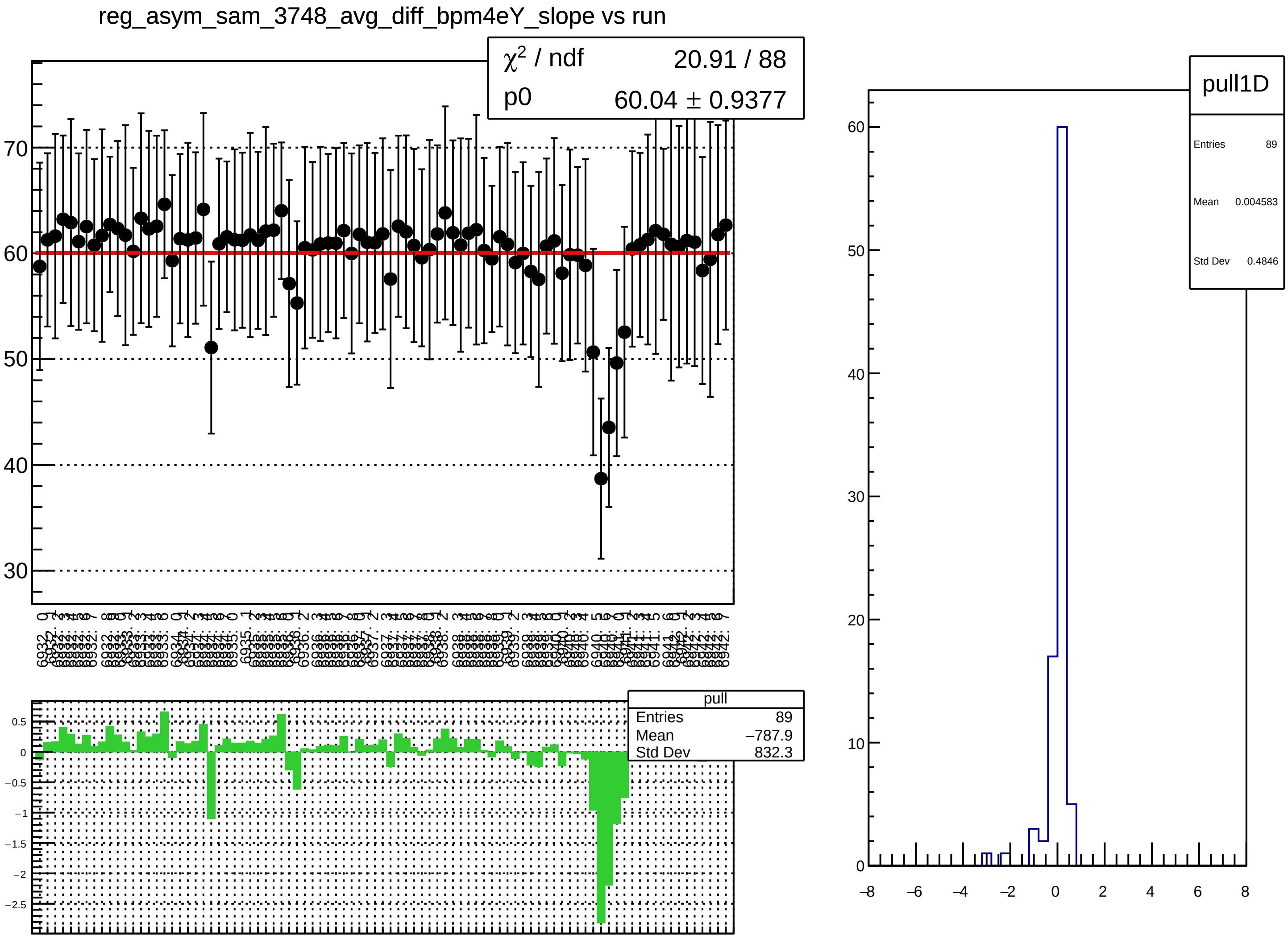


reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 36.58 / 88
p0 −21.44 ± 1.19
pull
Entries 89
Mean −20.05
Std Dev 52.67
pull1D
Entries 89
Mean 0.0336
Std Dev 0.6403

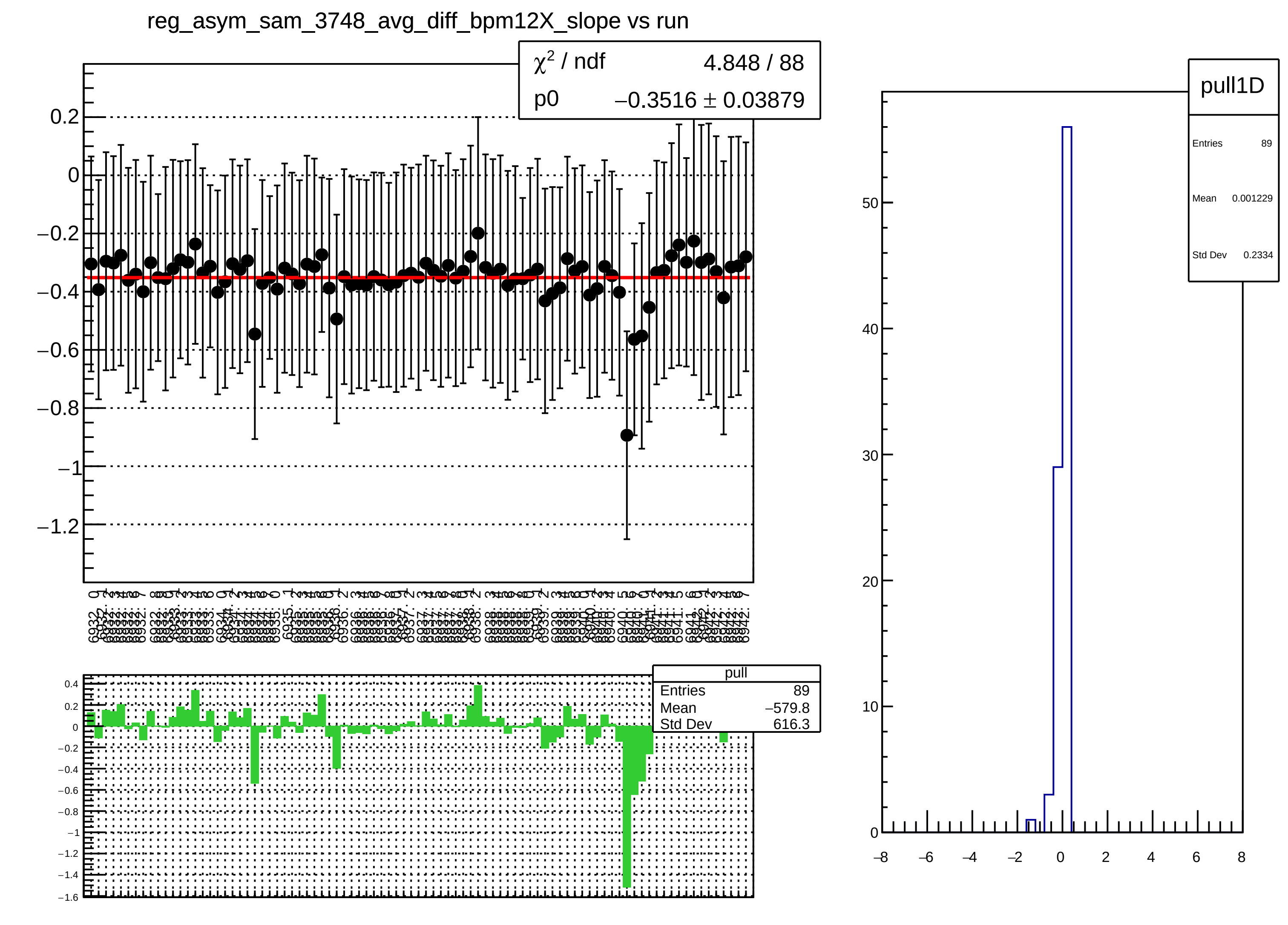


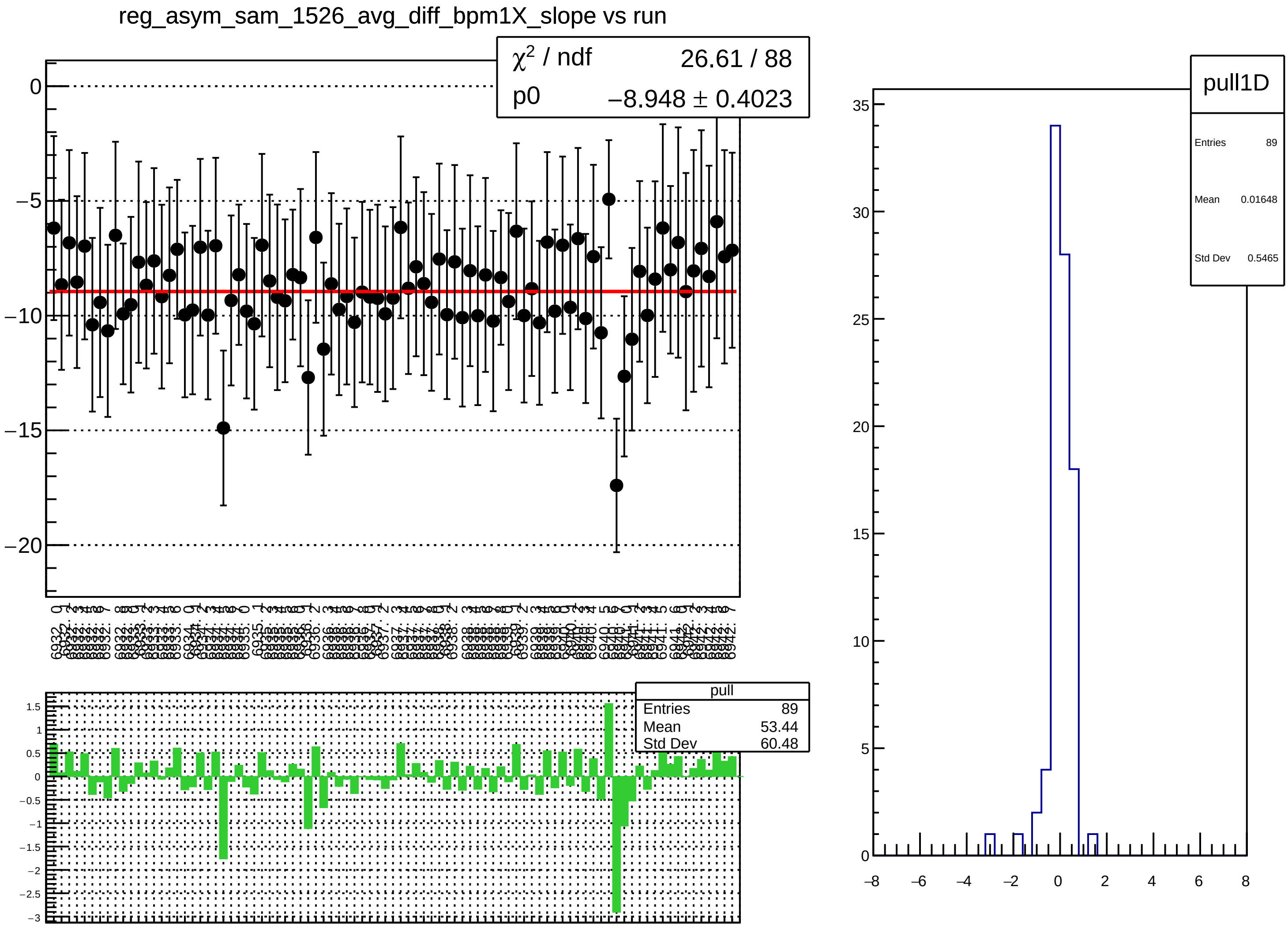
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 21.03 / 88
p0 −0.4922 ± 0.8102
pull
Entries 89
Mean 1689
Std Dev 1644
pull1D
Entries 89
Mean 0.002271
Std Dev 0.4861


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 33.9 / 88
p0 −70.88 ± 1.106
pull
Entries 89
Mean −20.49
Std Dev 53.83
pull1D
Entries 89
Mean −0.03148
Std Dev 0.6164

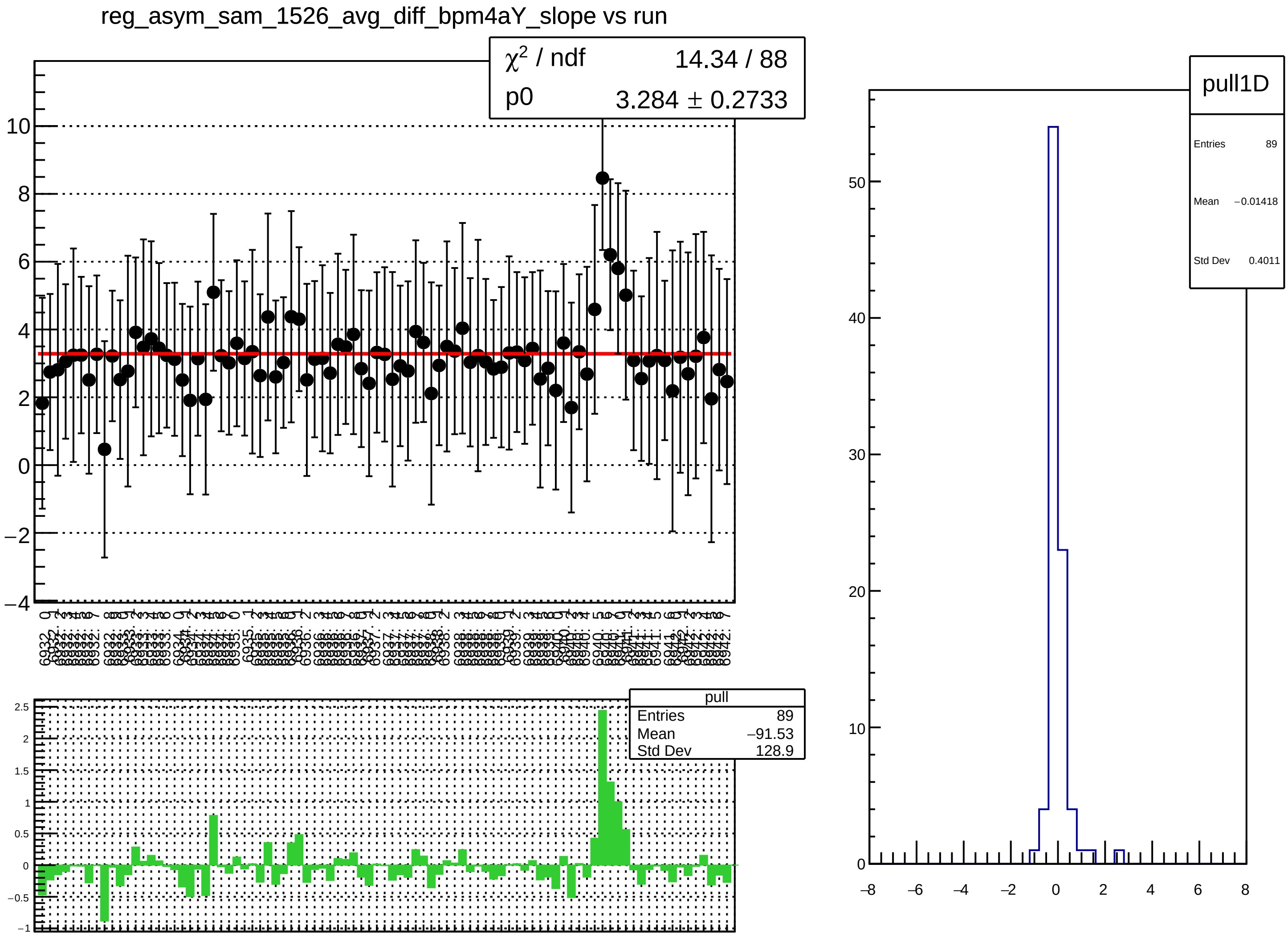


reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 20.91 / 88
p0 60.04 ± 0.9377
pull
Entries 89
Mean −787.9
Std Dev 832.3
pull1D
Entries 89
Mean 0.004583
Std Dev 0.4846

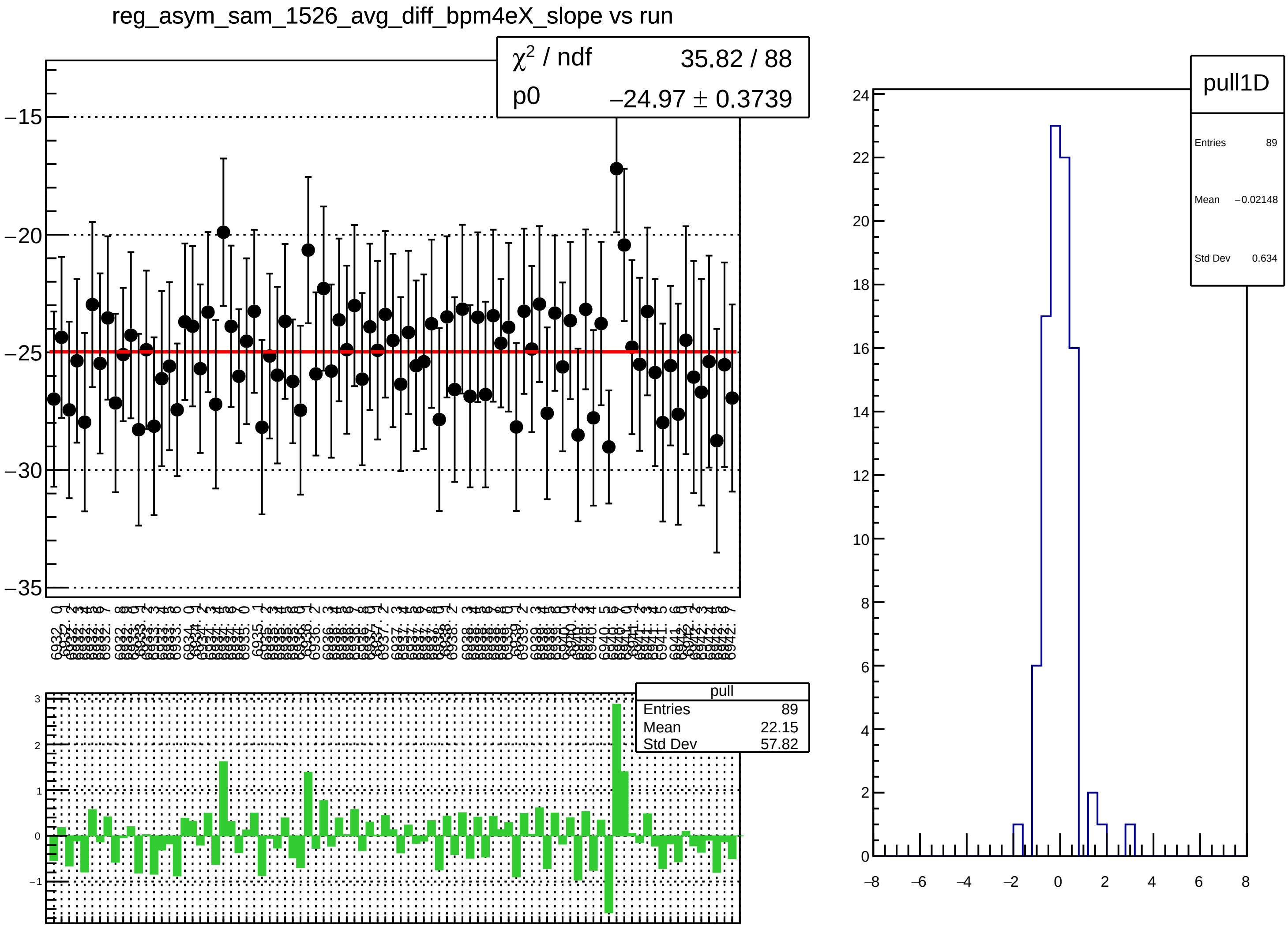

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.848 / 88
p0 −0.3516 ± 0.03879
pull
Entries 89
Mean −579.8
Std Dev 616.3
pull1D
Entries 89
Mean 0.001229
Std Dev 0.2334

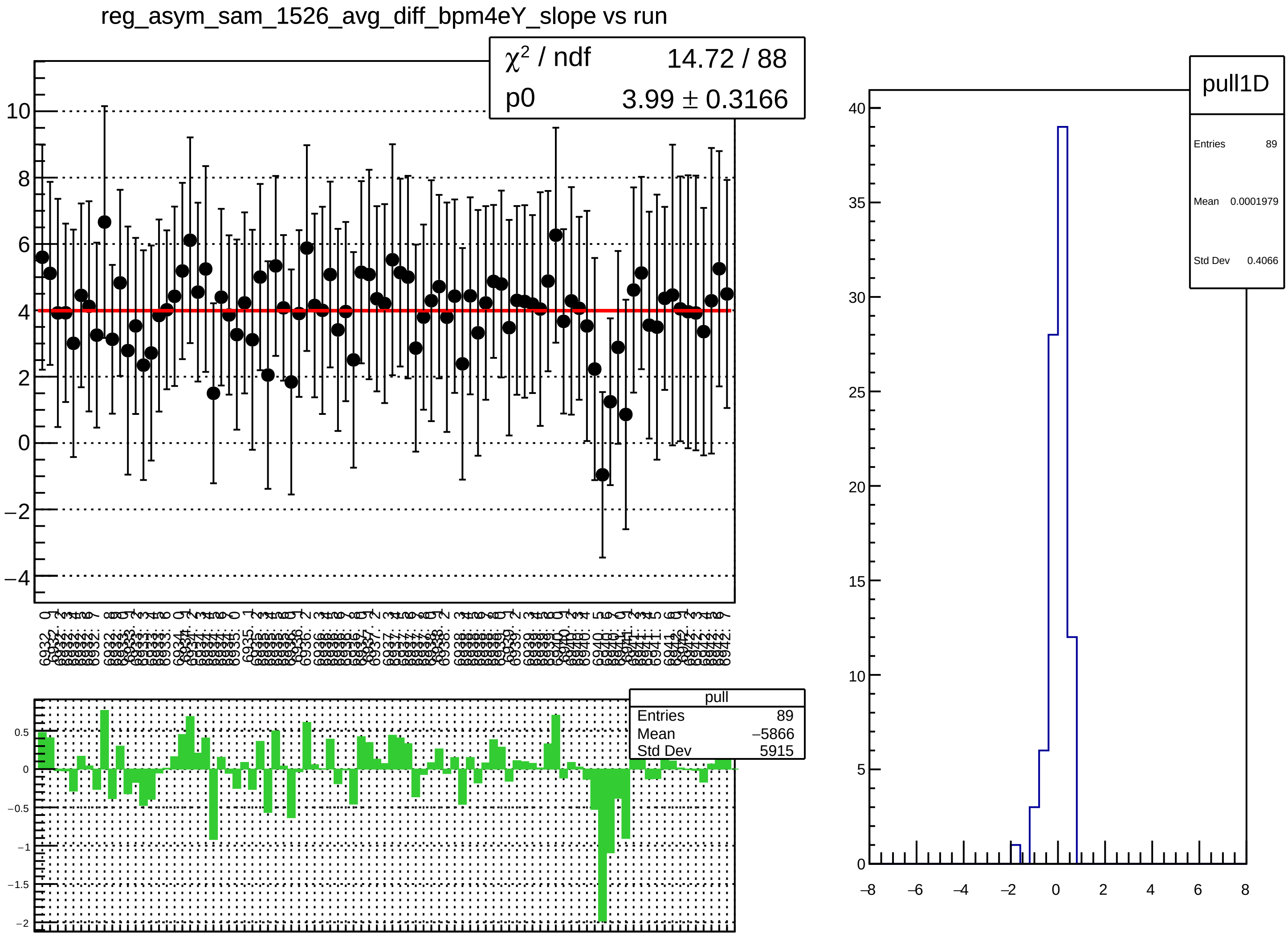


reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ2 / ndf 26.61 / 88
p0 −8.948 ± 0.4023
0
−5
−10
−15
−20
pull
Entries 89
Mean 53.44
Std Dev 60.48
pull1D
Entries 89
Mean 0.01648
Std Dev 0.5465

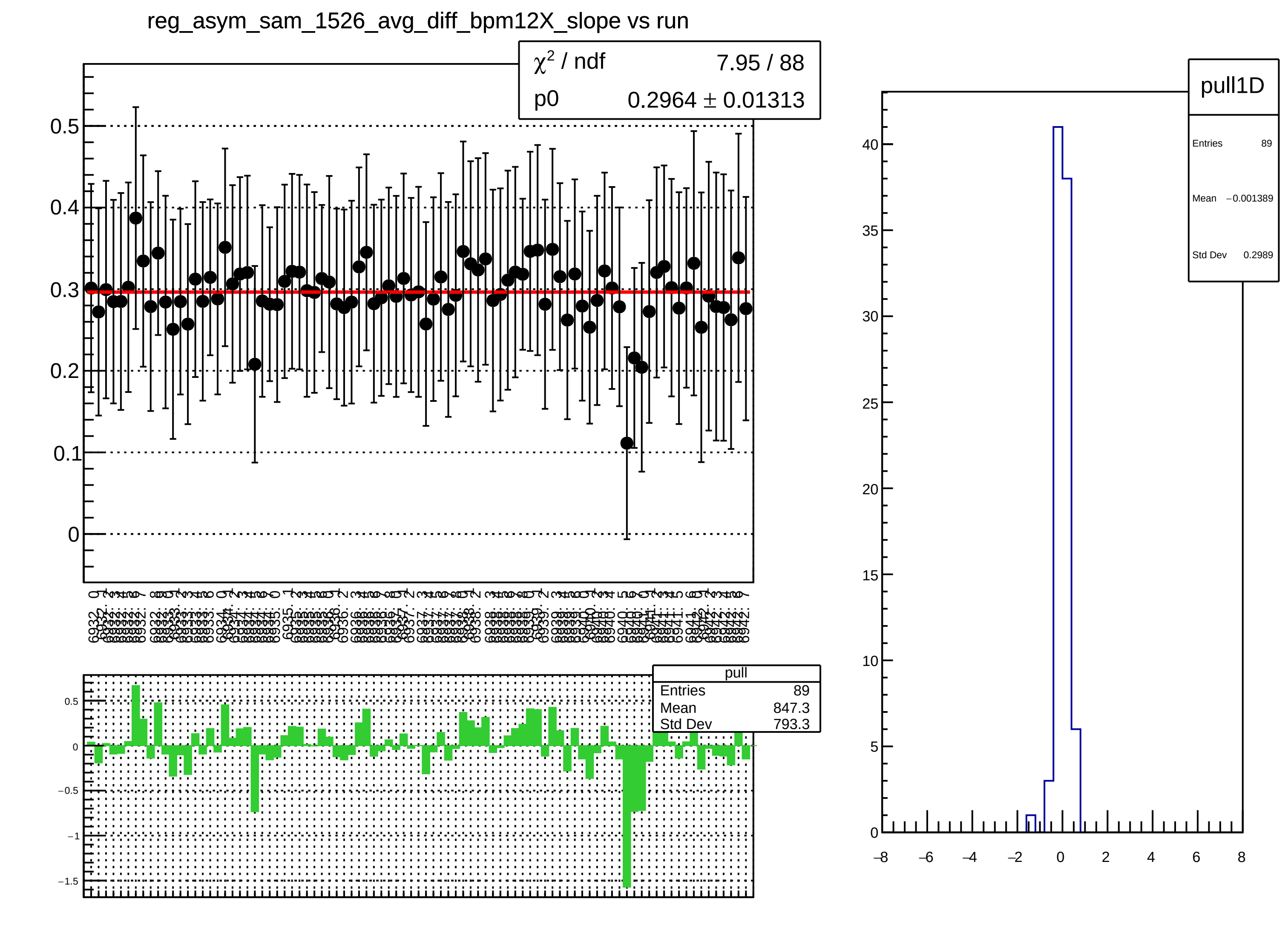


reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 14.34 / 88
p0 3.284 ± 0.2733
pull
Entries 89
Mean −91.53
Std Dev 128.9
pull1D
Entries 89
Mean −0.01418
Std Dev 0.4011


reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 35.82 / 88
p0 −24.97 ± 0.3739
−15
−20
−25
−30
−35
pull
Entries 89
Mean 22.15
Std Dev 57.82
3
2
1
0
−1
pull1D
Entries 89
Mean −0.02148
Std Dev 0.634
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

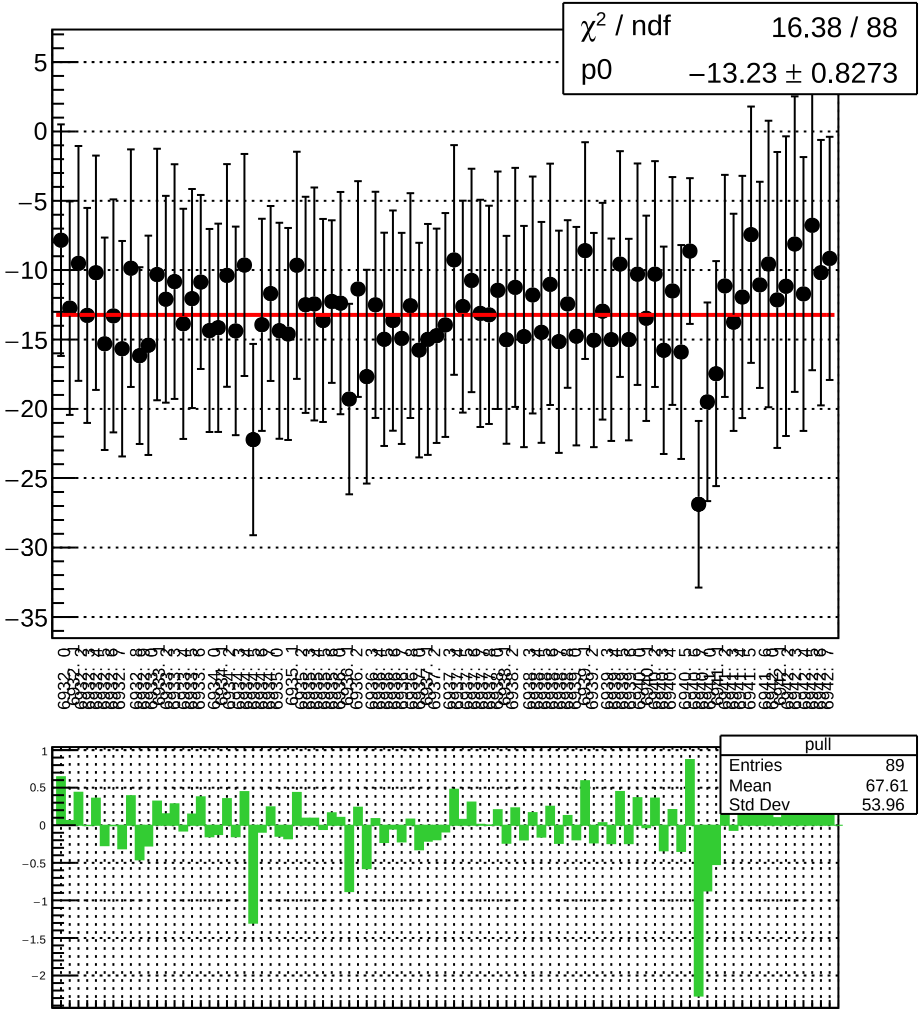


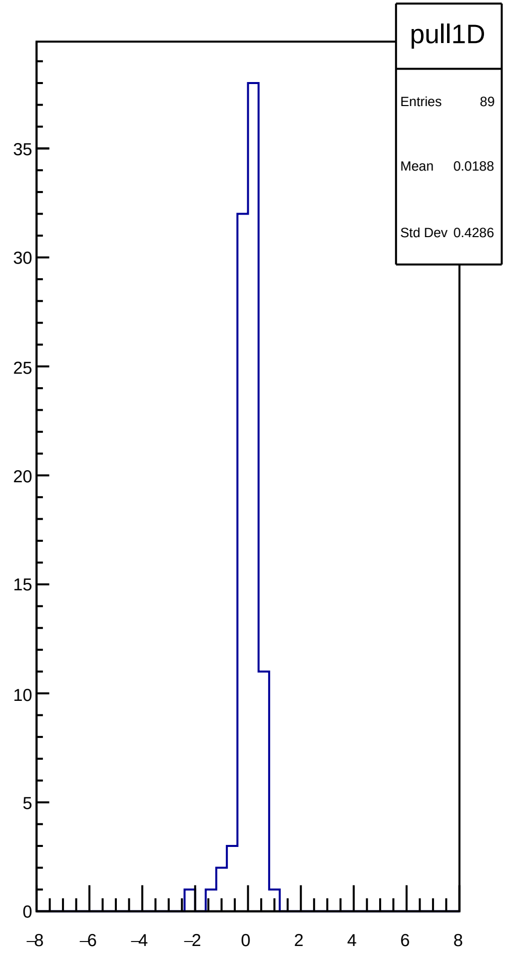
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.72 / 88
p0 3.99 ± 0.3166
pull
Entries 89
Mean −5866
Std Dev 5915
pull1D
Entries 89
Mean 0.0001979
Std Dev 0.4066

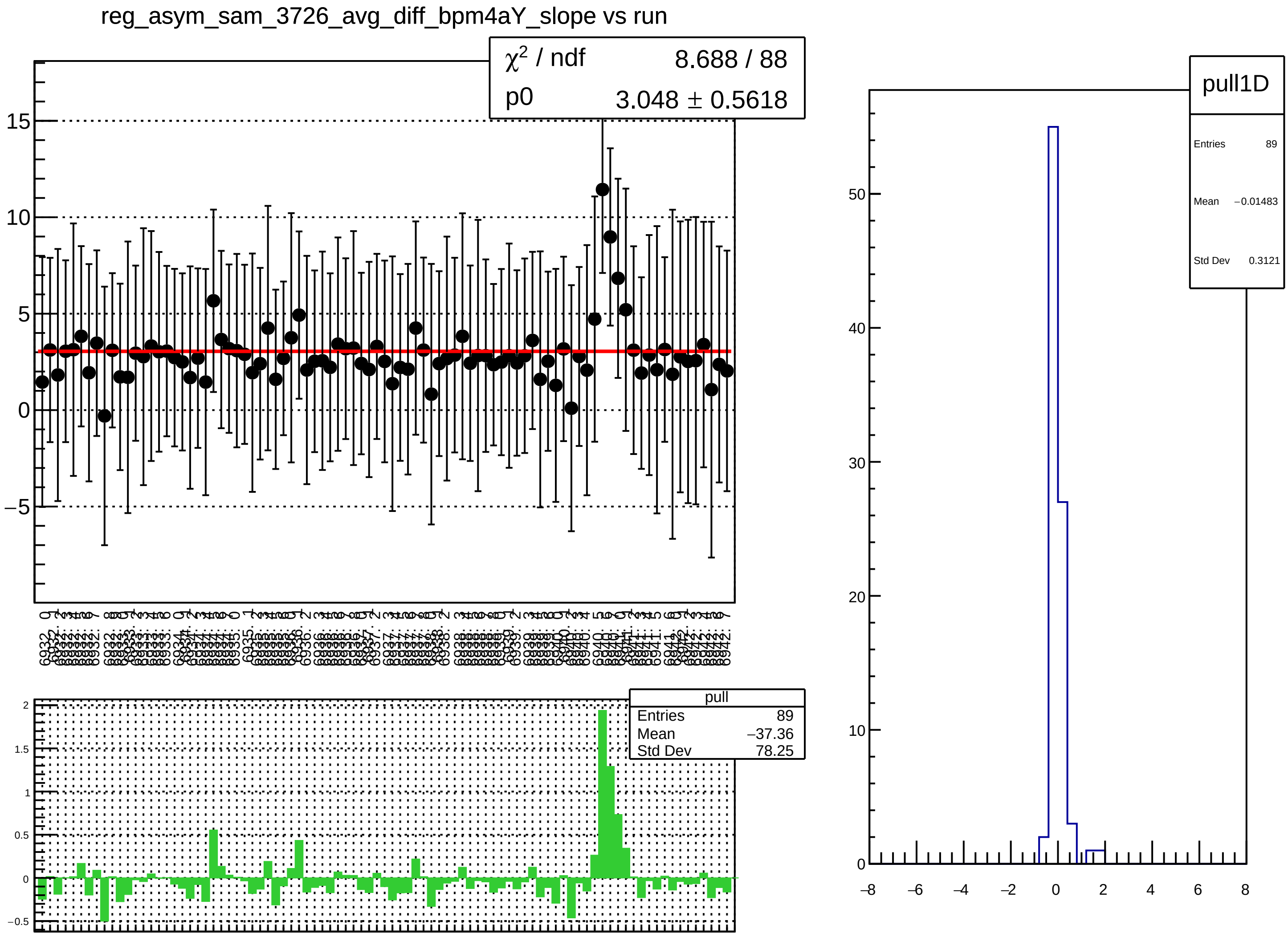


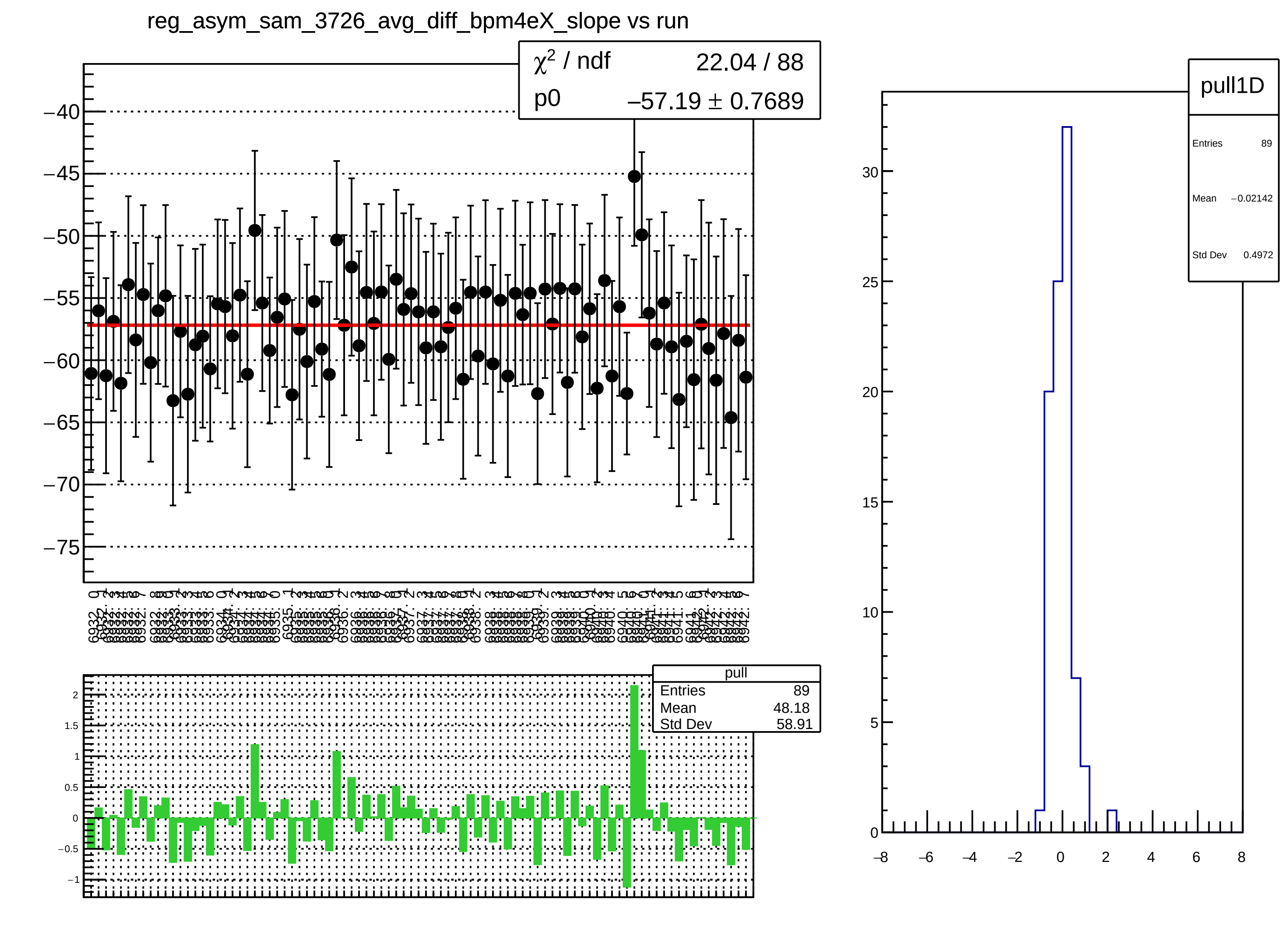
reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ2 / ndf 7.95 / 88
p0 0.2964 ± 0.01313
pull
Entries 89
Mean 847.3
Std Dev 793.3
pull1D
Entries 89
Mean −0.001389
Std Dev 0.2989

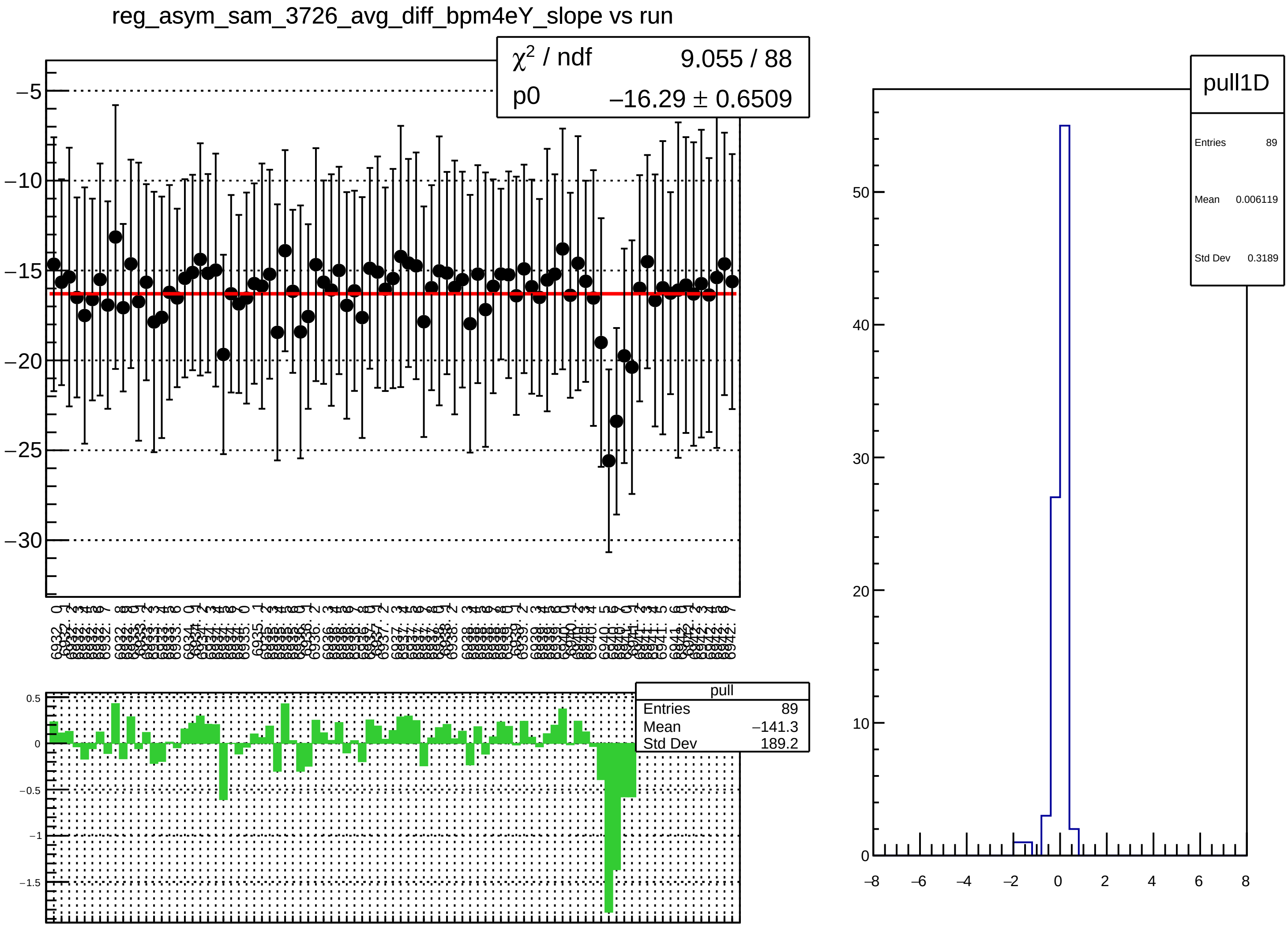
reg_asym_sam_3726_avg_diff_bpm1X_slope vs run



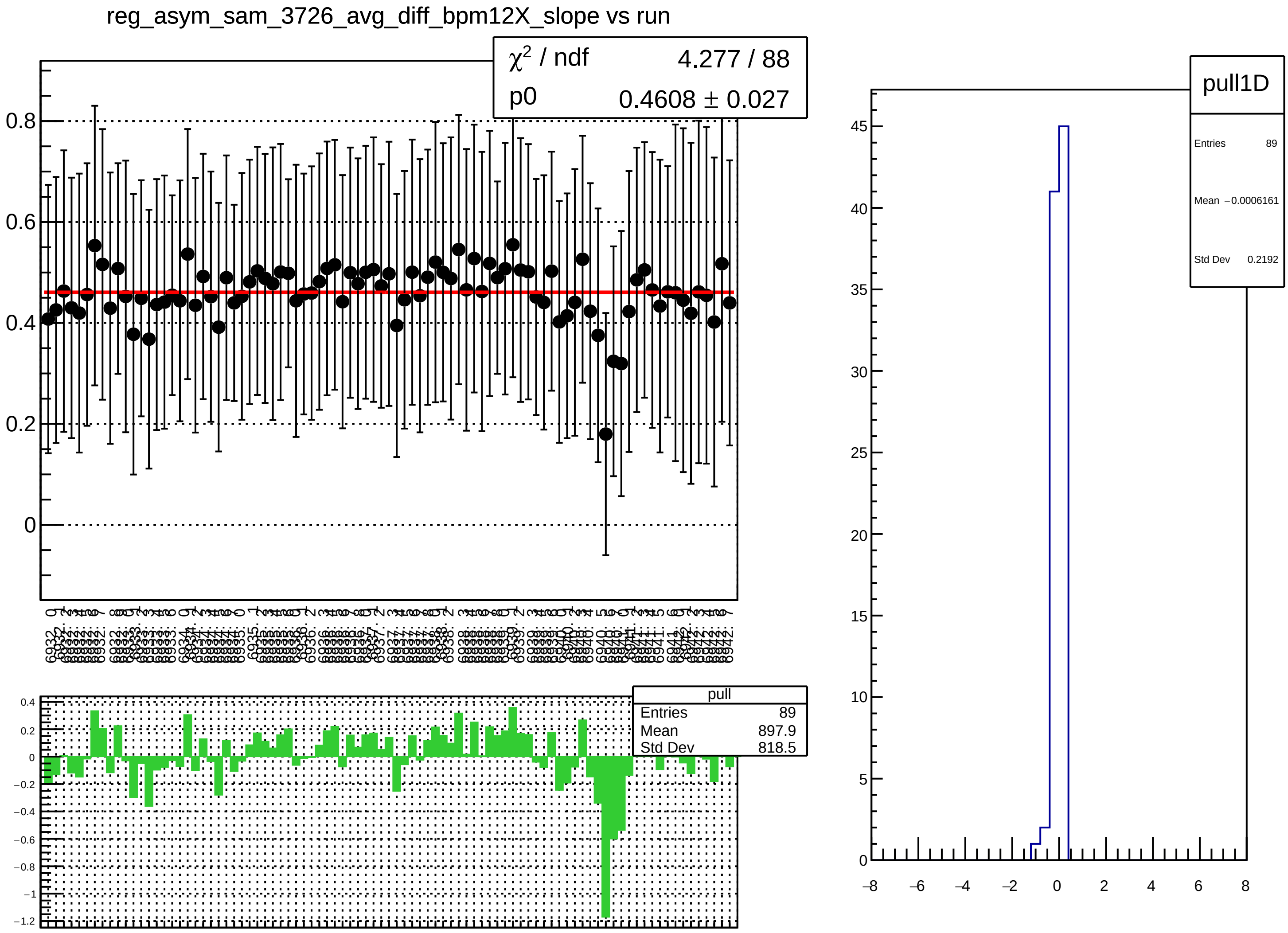



reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.688 / 88
p0 3.048 ± 0.5618
pull
Entries 89
Mean −37.36
Std Dev 78.25
pull1D
Entries 89
Mean −0.01483
Std Dev 0.3121

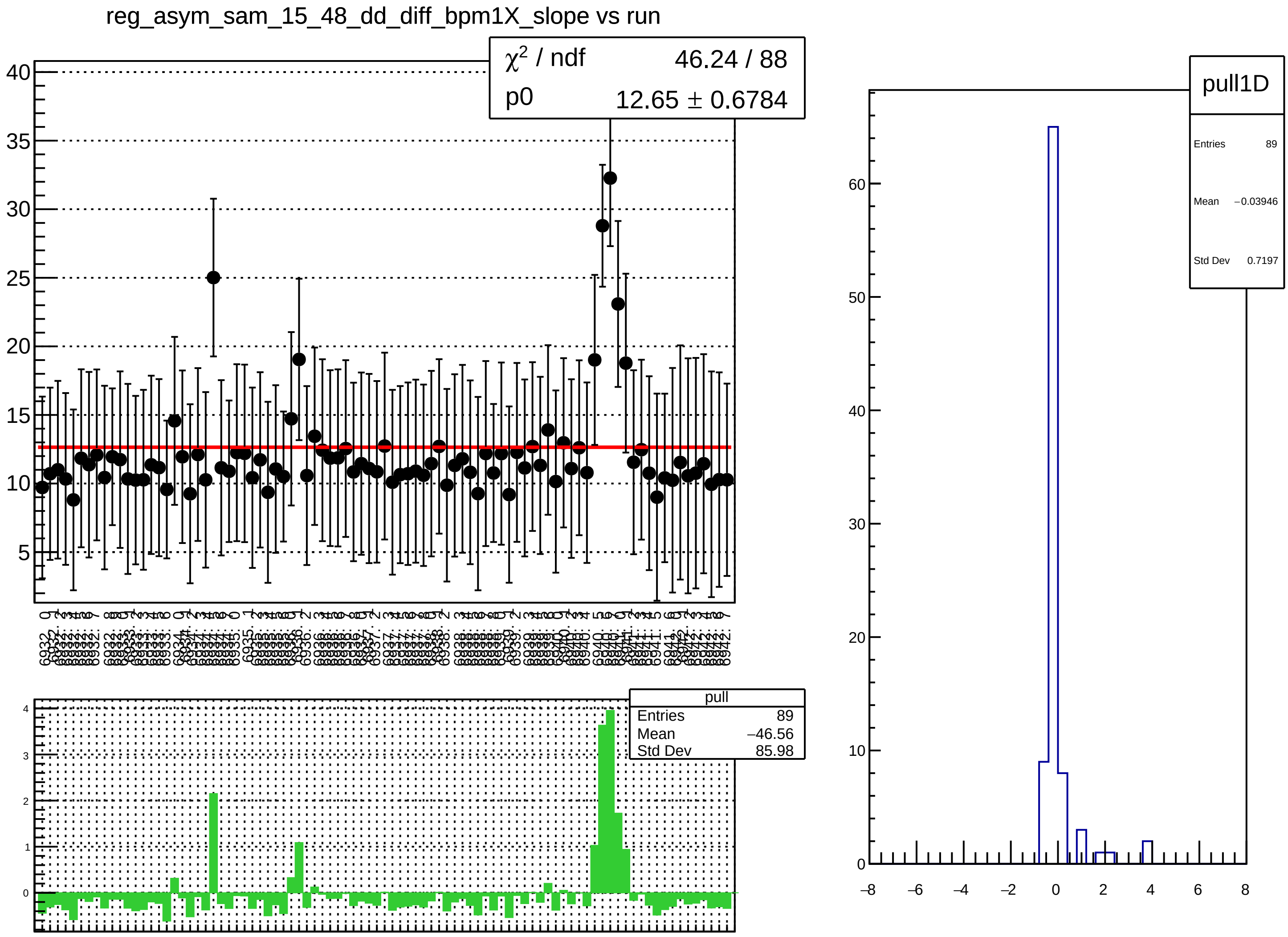

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 22.04 / 88
p0 −57.19 ± 0.7689
pull
Entries 89
Mean 48.18
Std Dev 58.91
pull1D
Entries 89
Mean −0.02142
Std Dev 0.4972



reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.055 / 88
p0 −16.29 ± 0.6509
pull
Entries 89
Mean −141.3
Std Dev 189.2
pull1D
Entries 89
Mean 0.006119
Std Dev 0.3189

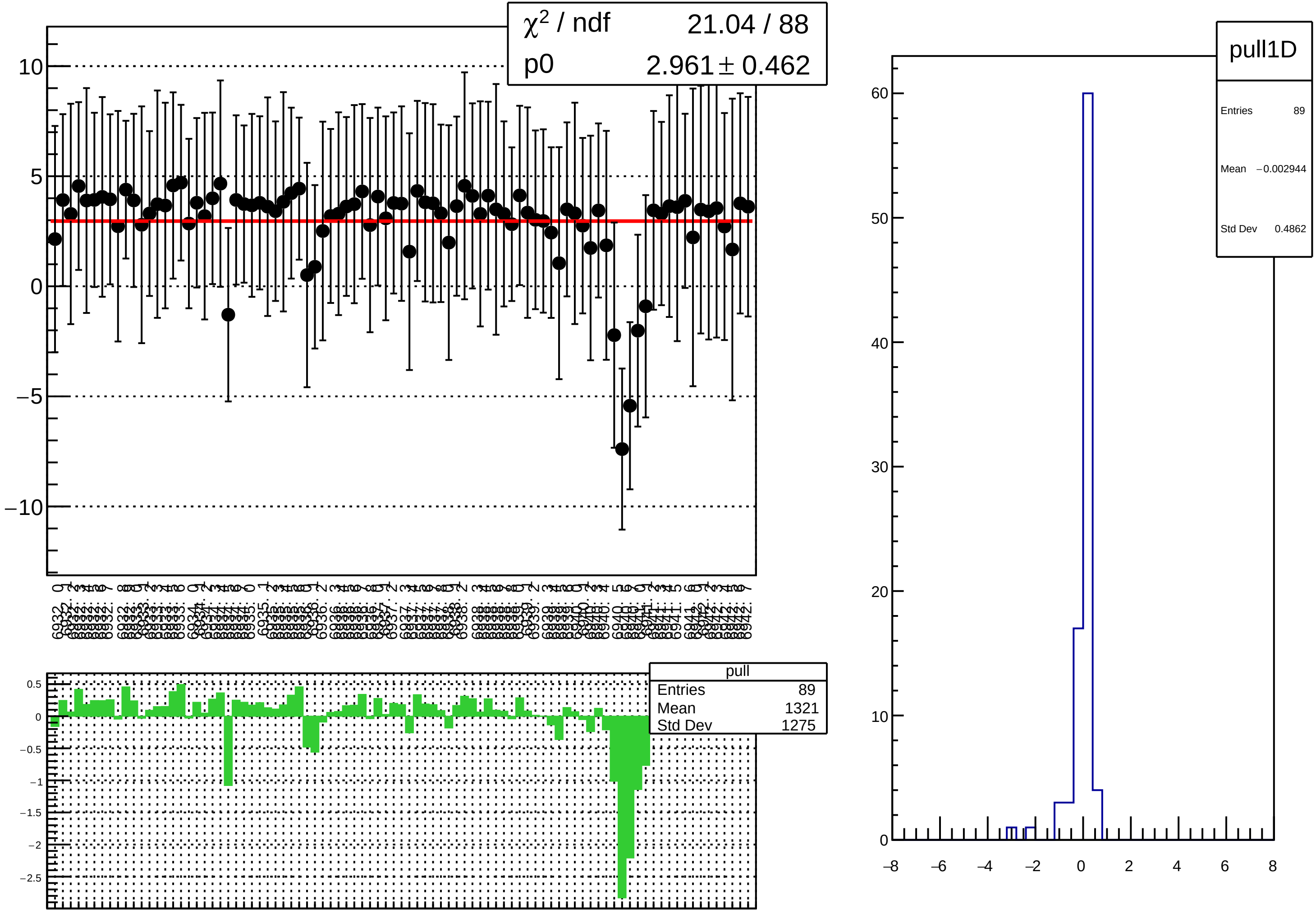


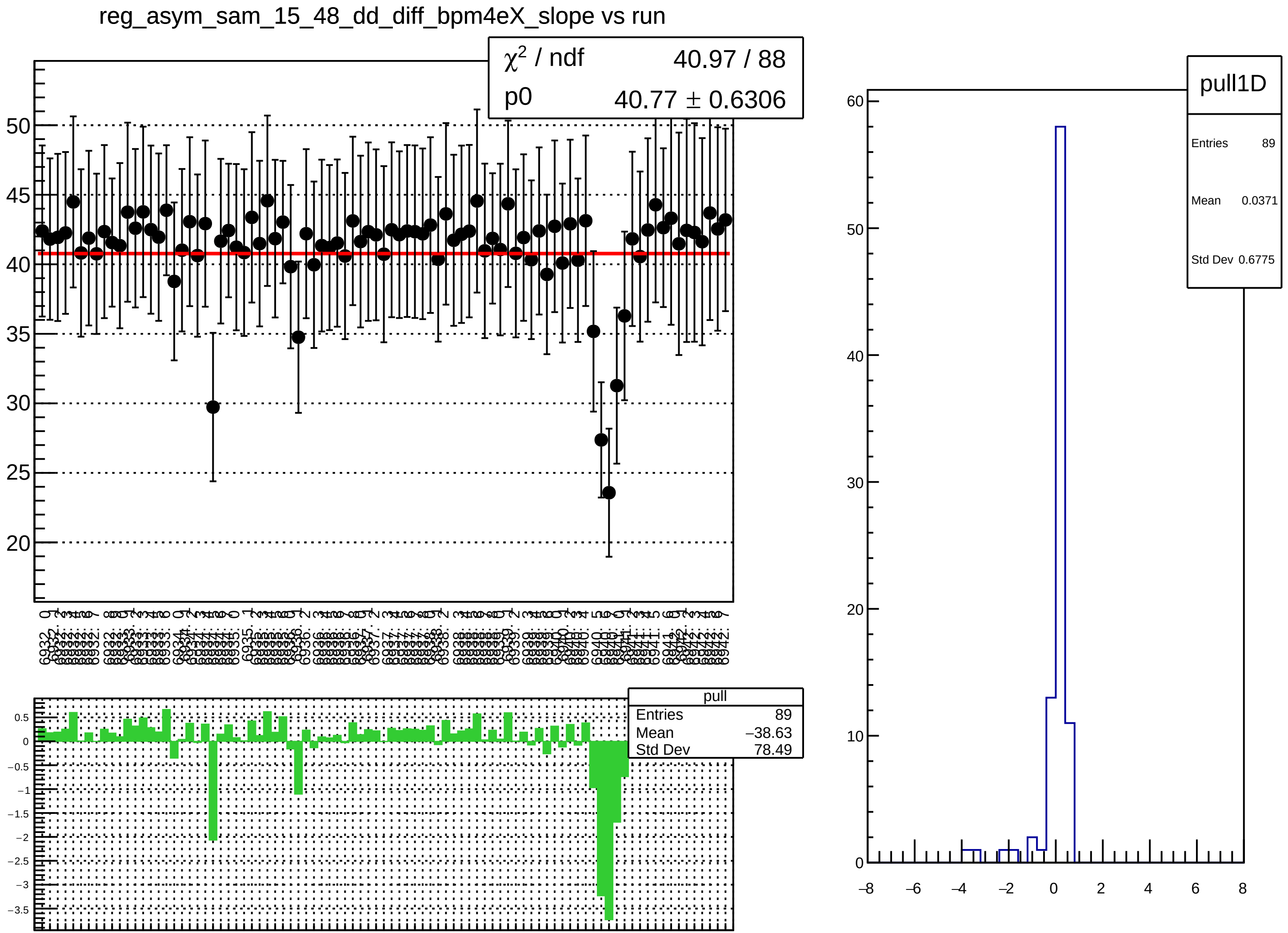
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.277 / 88
p0 0.4608 ± 0.027
pull
Entries 89
Mean 897.9
Std Dev 818.5
pull1D
Entries 89
Mean −0.0006161
Std Dev 0.2192



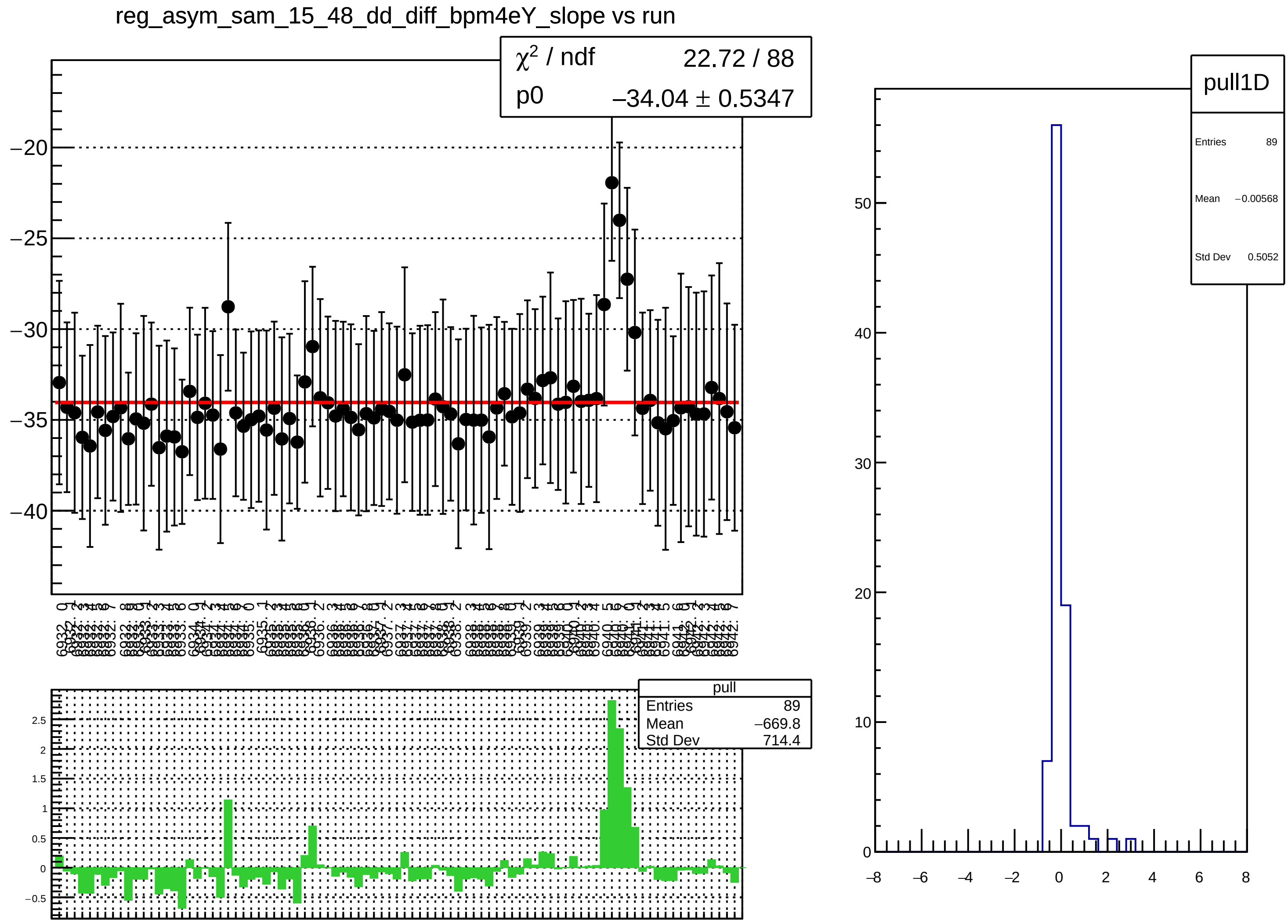
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 46.24 / 88
p0 12.65 ± 0.6784
pull
Entries 89
Mean −46.56
Std Dev 85.98
pull1D
Entries 89
Mean −0.03946
Std Dev 0.7197

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run

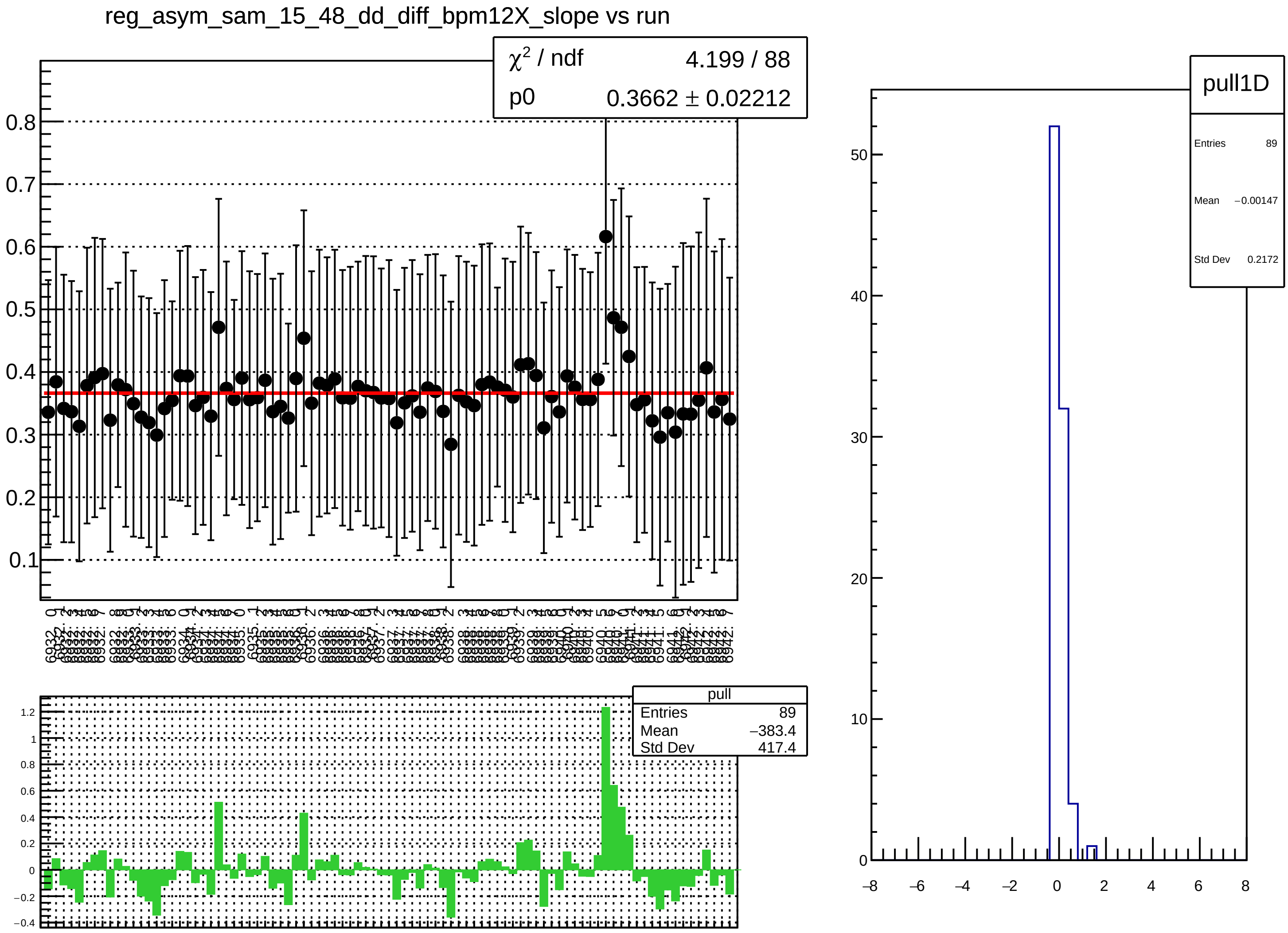




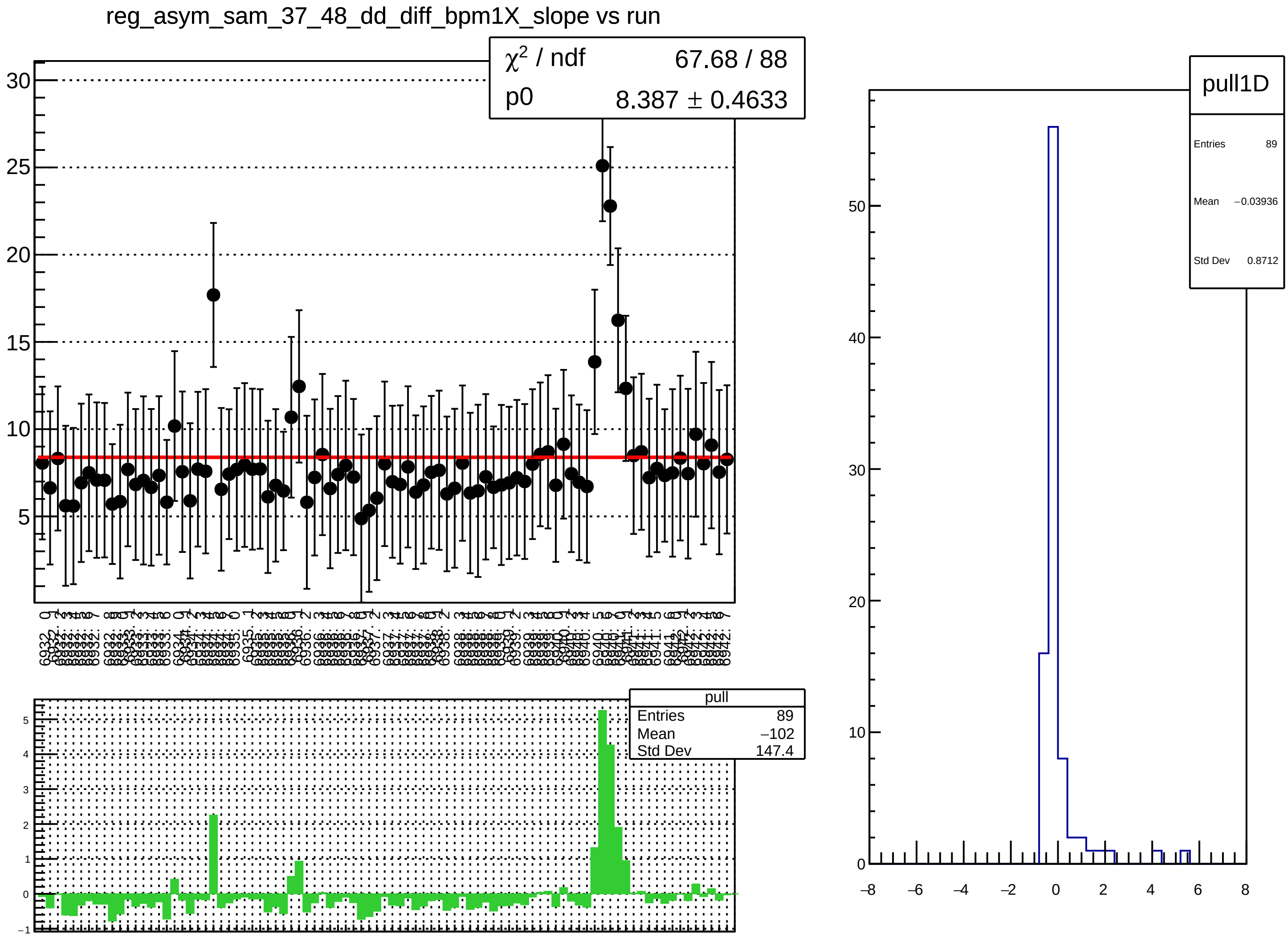
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 40.97 / 88
p0 40.77 ± 0.6306
pull
Entries 89
Mean −38.63
Std Dev 78.49
pull1D
Entries 89
Mean 0.0371
Std Dev 0.6775



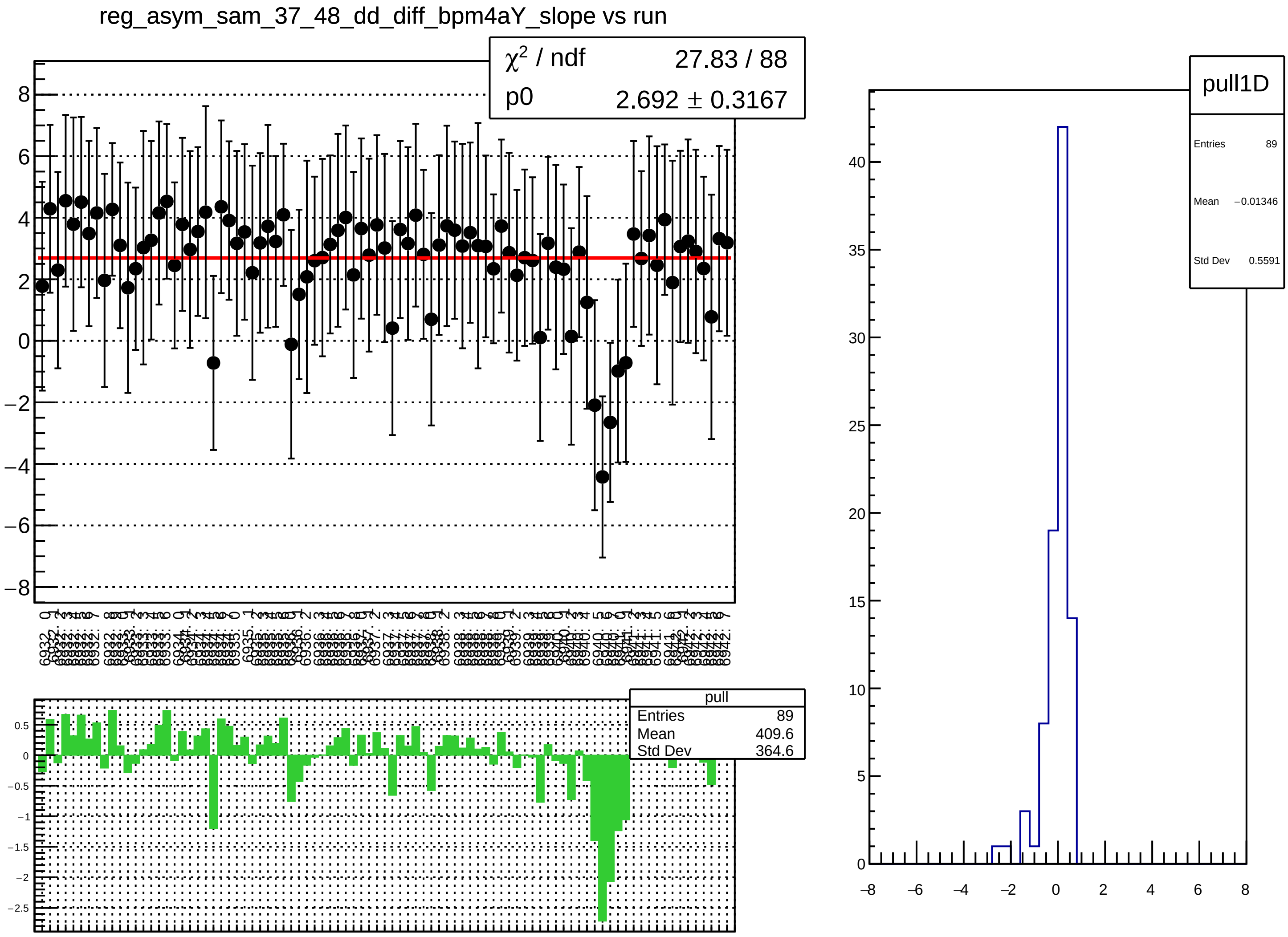
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 22.72 / 88
p0 −34.04 ± 0.5347
pull
Entries 89
Mean −669.8
Std Dev 714.4
pull1D
Entries 89
Mean −0.00568
Std Dev 0.5052

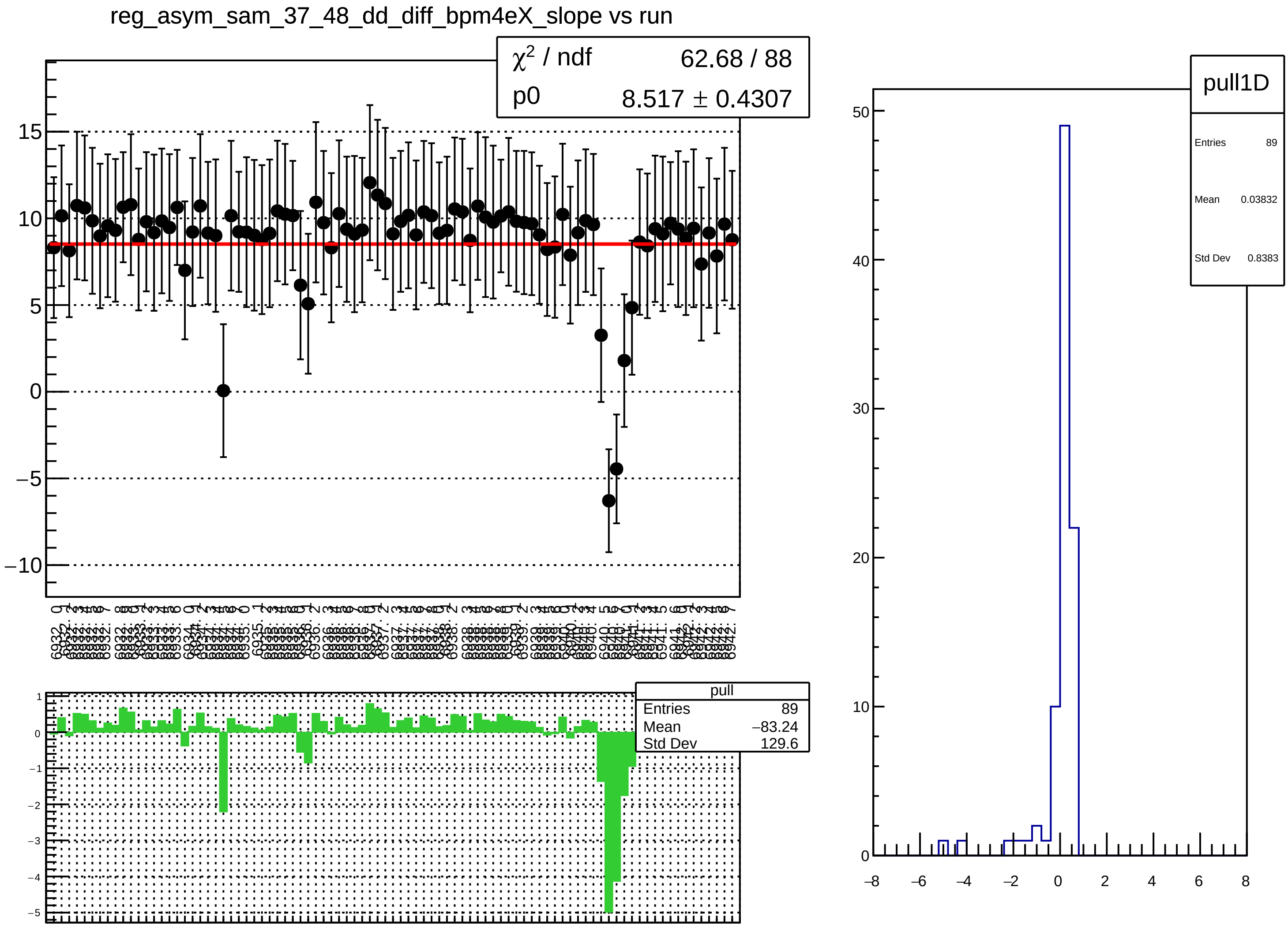


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.199 / 88
p0 0.3662 ± 0.02212
pull
Entries 89
Mean −383.4
Std Dev 417.4
pull1D
Entries 89
Mean −0.00147
Std Dev 0.2172

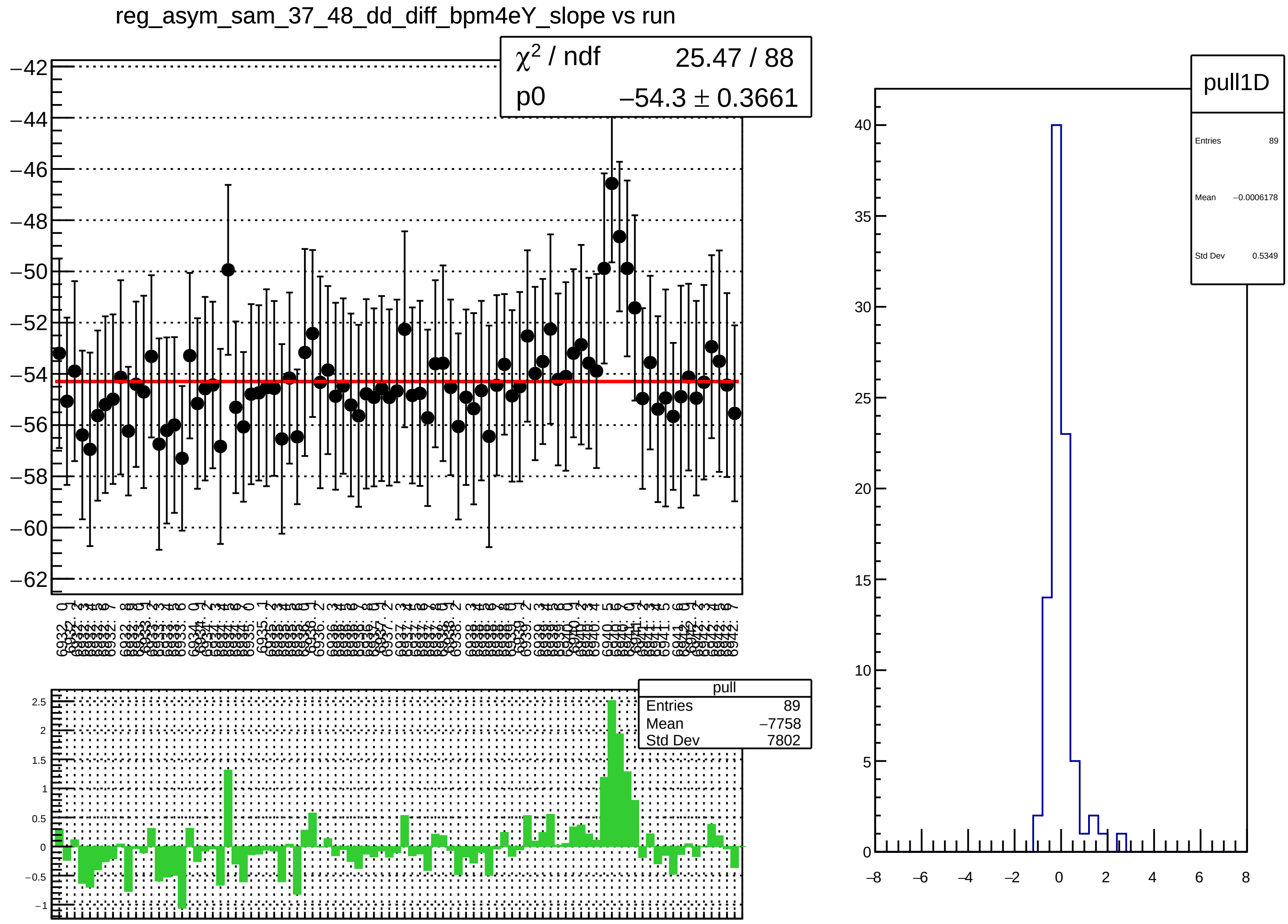


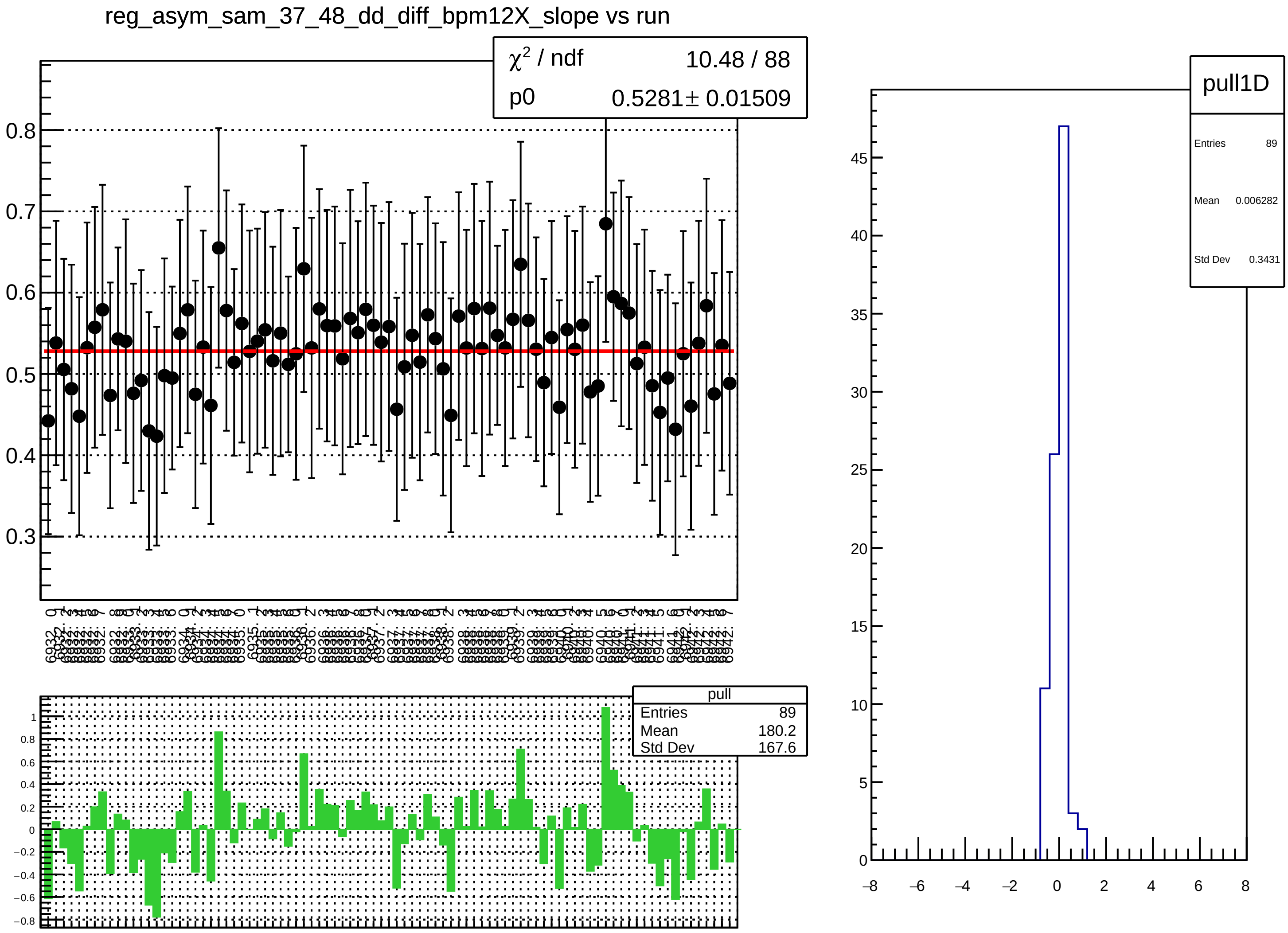
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 67.68 / 88
p0 8.387 ± 0.4633
pull
Entries 89
Mean −102
Std Dev 147.4
pull1D
Entries 89
Mean −0.03936
Std Dev 0.8712


reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 27.83 / 88
p0 2.692 ± 0.3167
pull
Entries 89
Mean 409.6
Std Dev 364.6
pull1D
Entries 89
Mean −0.01346
Std Dev 0.5591

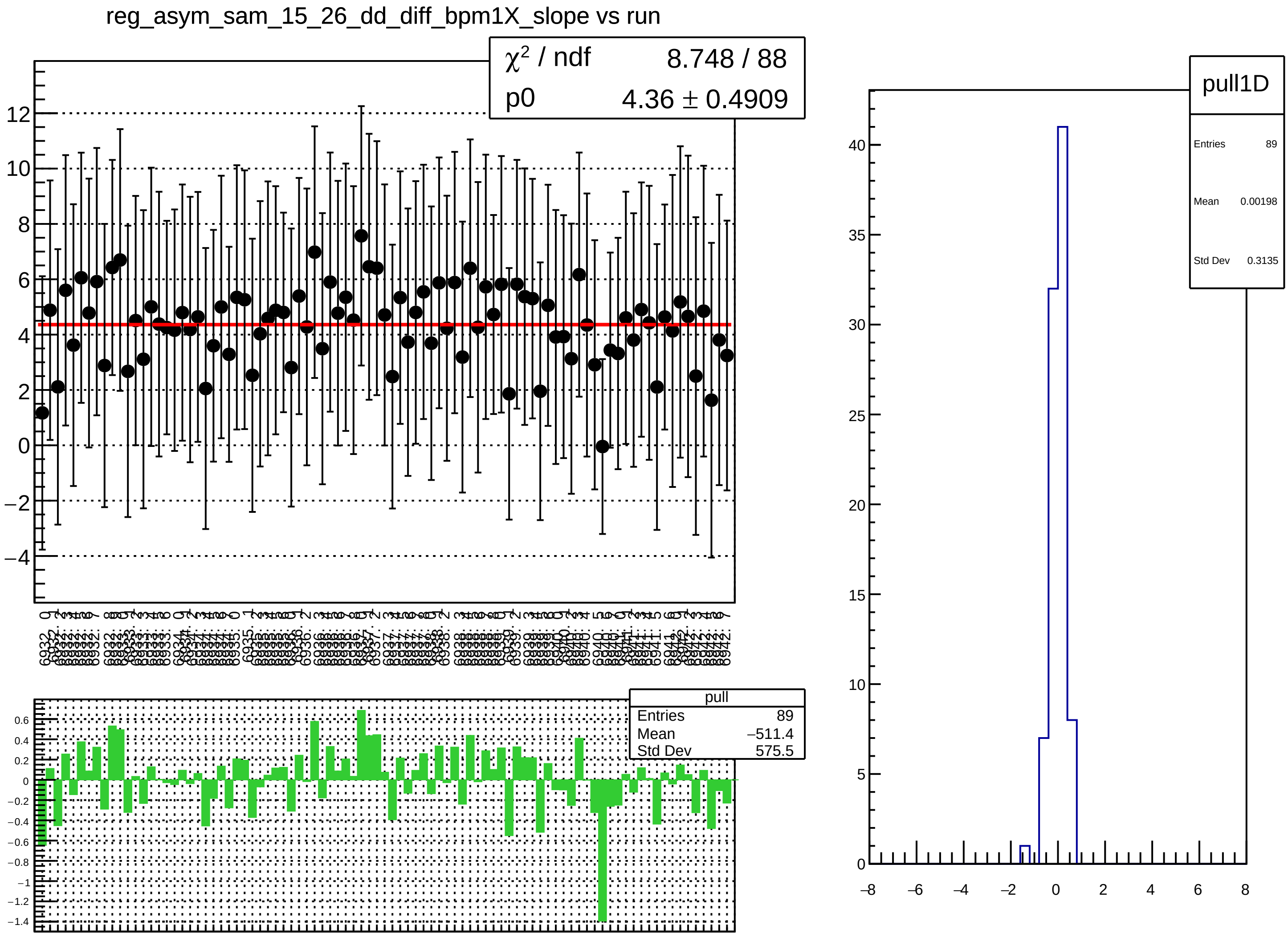


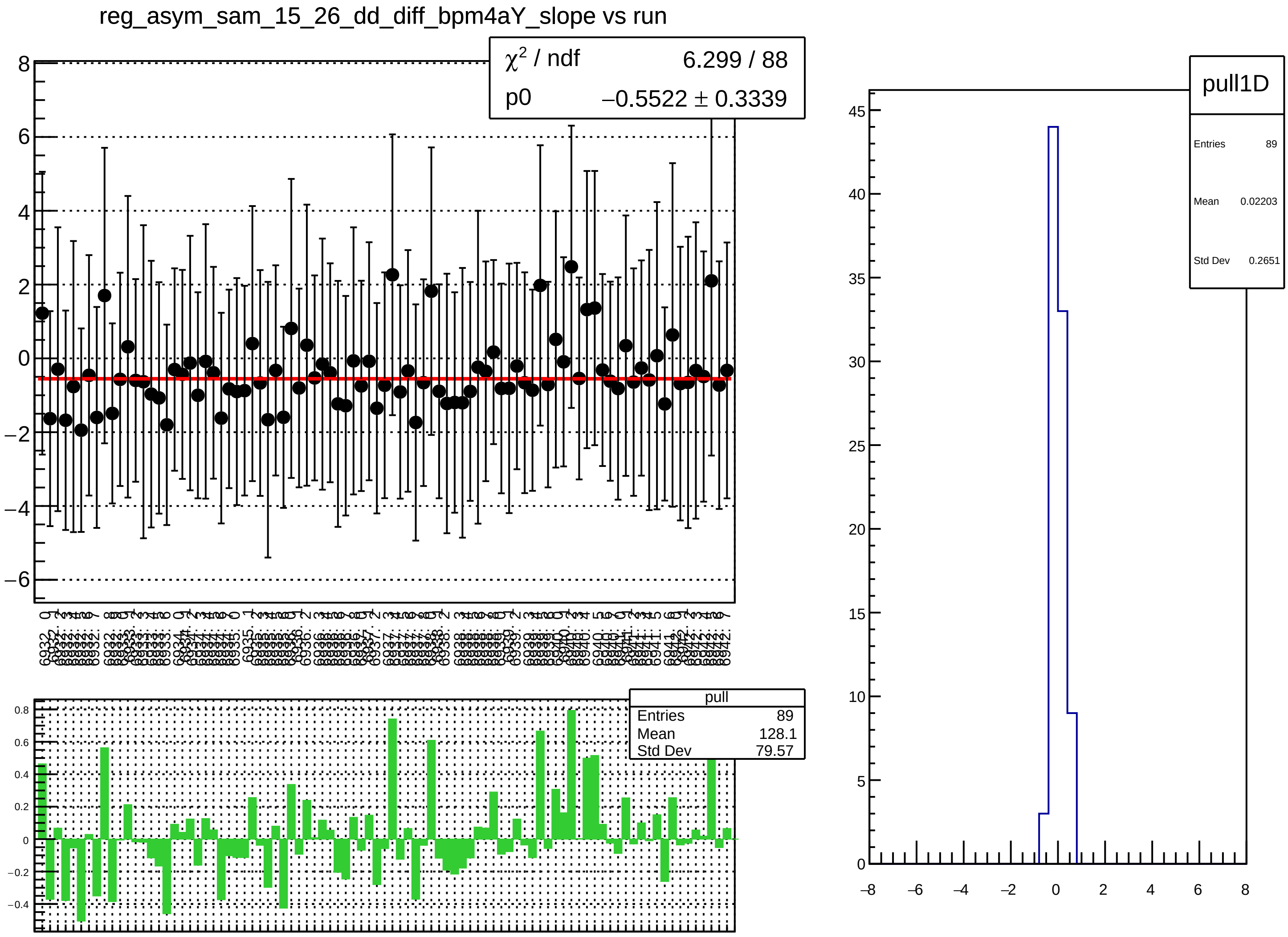
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 62.68 / 88
p0 8.517 ± 0.4307
pull
Entries 89
Mean −83.24
Std Dev 129.6
pull1D
Entries 89
Mean 0.03832
Std Dev 0.8383


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 25.47 / 88
p0 −54.3 ± 0.3661
pull
Entries 89
Mean −7758
Std Dev 7802
pull1D
Entries 89
Mean −0.0006178
Std Dev 0.5349

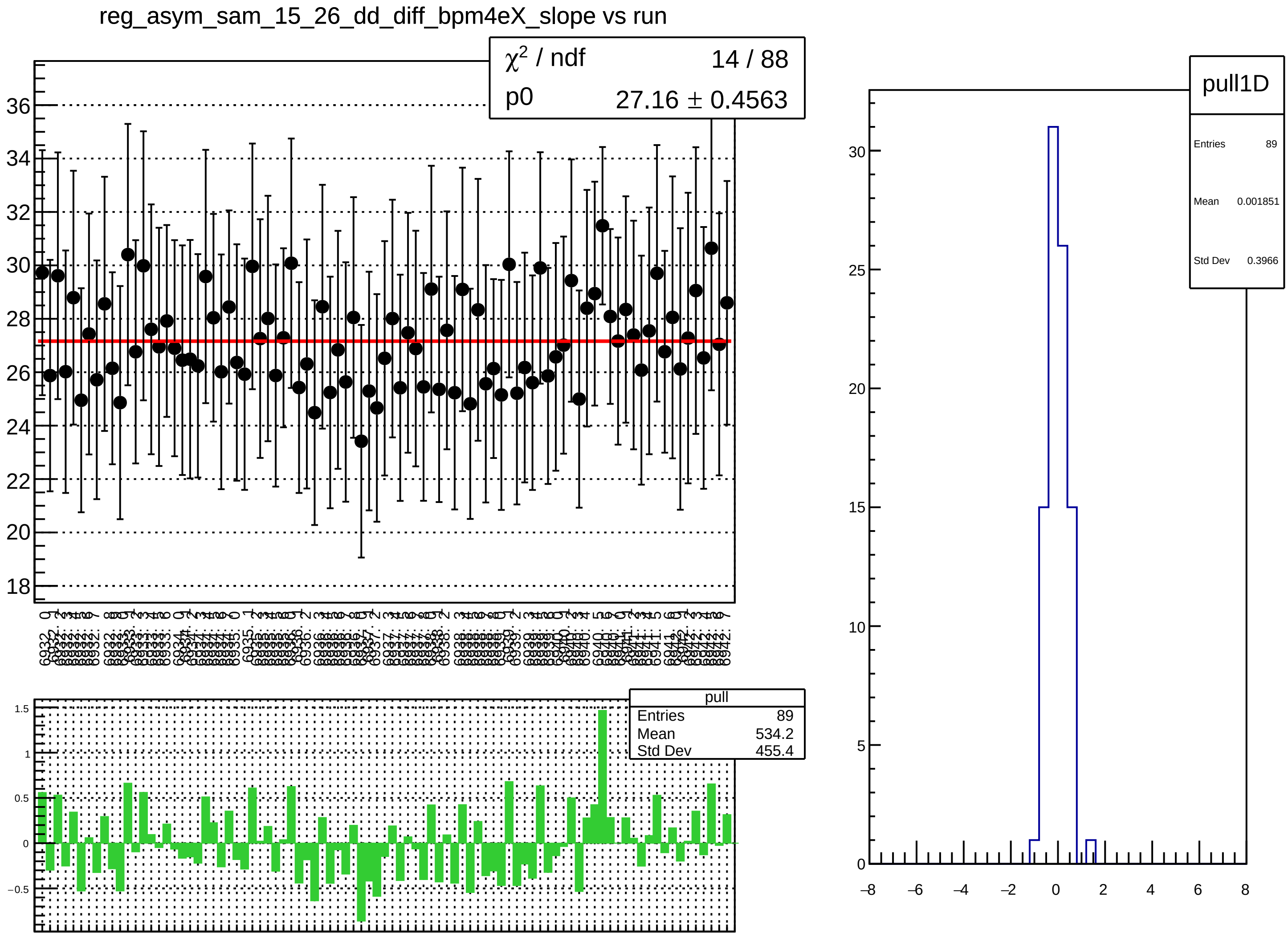


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.48 / 88
p0 0.5281 ± 0.01509
pull
Entries 89
Mean 180.2
Std Dev 167.6
pull1D
Entries 89
Mean 0.006282
Std Dev 0.3431

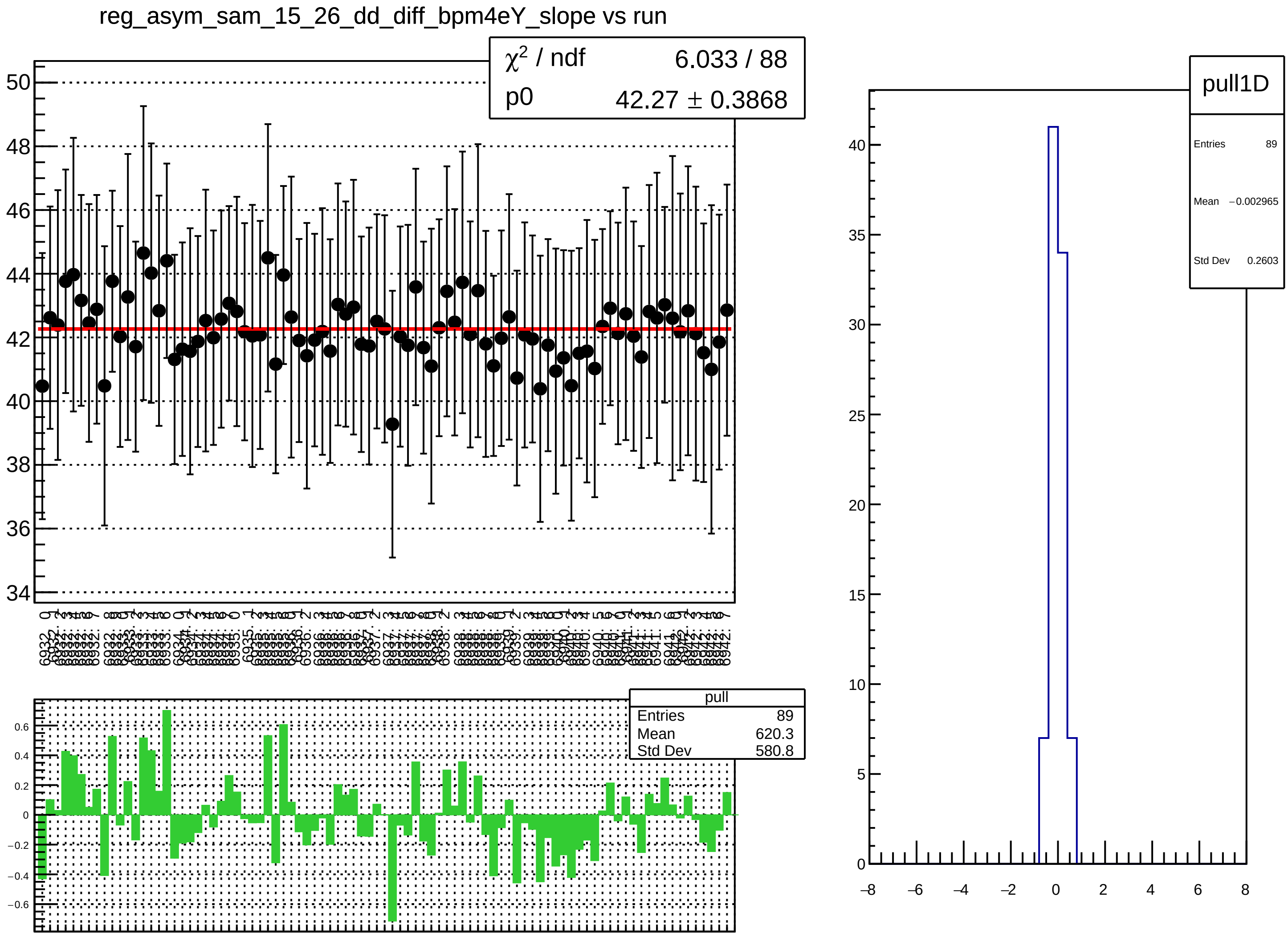

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.748 / 88
p0 4.36 ± 0.4909
pull
Entries 89
Mean −511.4
Std Dev 575.5
pull1D
Entries 89
Mean 0.00198
Std Dev 0.3135



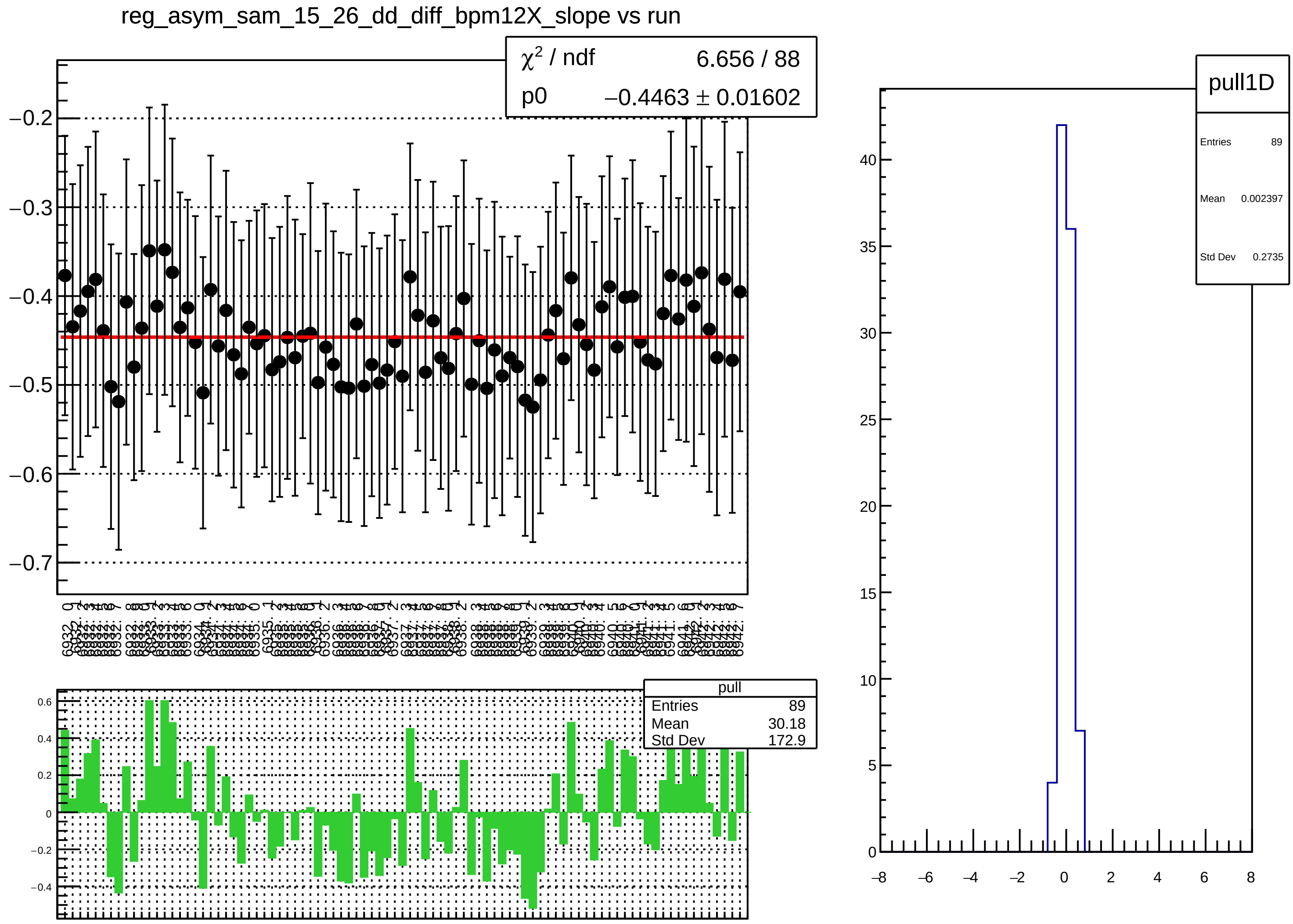
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.299 / 88
p0 −0.5522 ± 0.3339
pull
Entries 89
Mean 128.1
Std Dev 79.57
pull1D
Entries 89
Mean 0.02203
Std Dev 0.2651



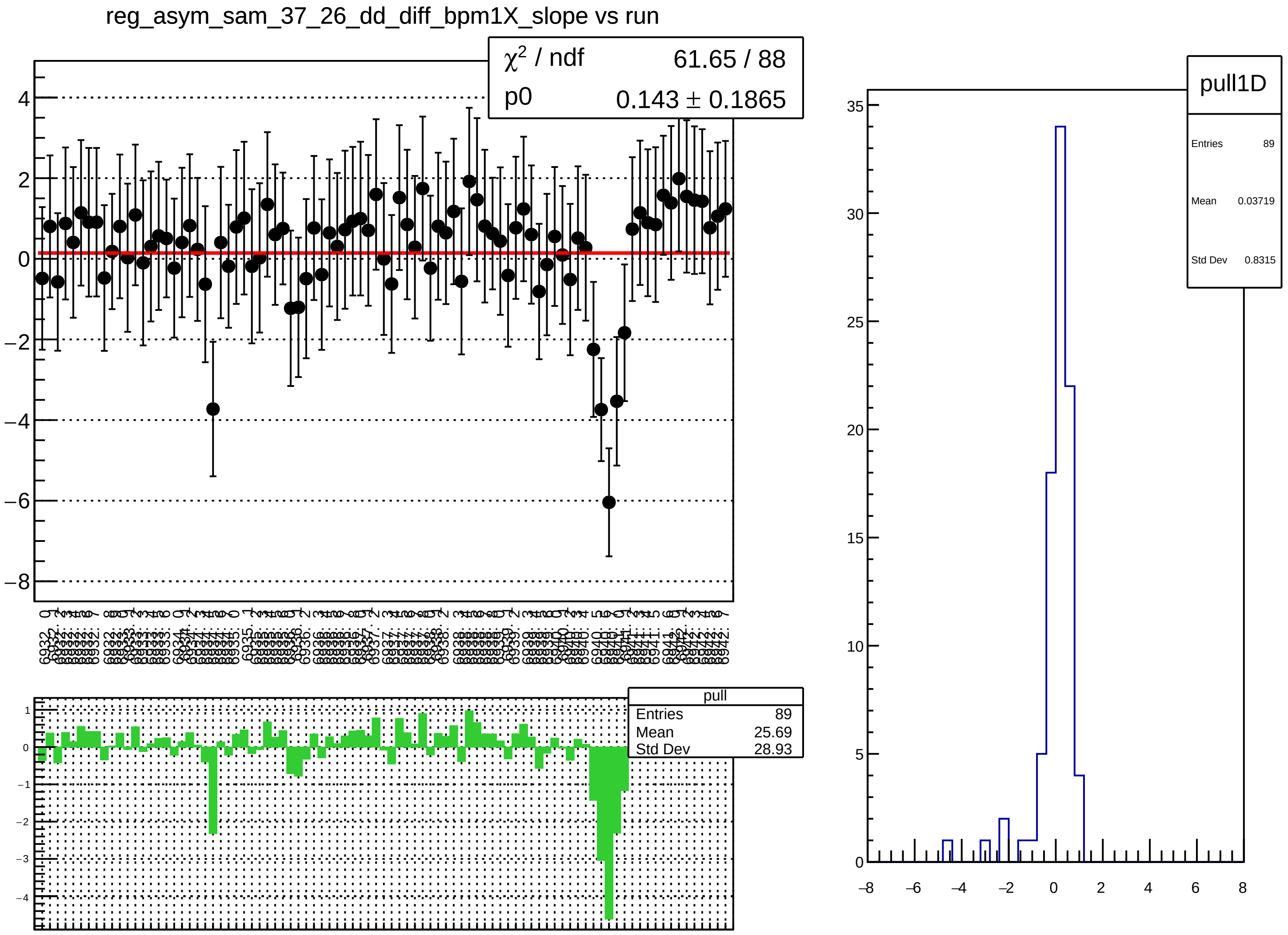
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14 / 88
p0 27.16 ± 0.4563
pull
Entries 89
Mean 534.2
Std Dev 455.4
pull1D
Entries 89
Mean 0.001851
Std Dev 0.3966



reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.033 / 88
p0 42.27 ± 0.3868
pull
Entries 89
Mean 620.3
Std Dev 580.8
pull1D
Entries 89
Mean −0.002965
Std Dev 0.2603

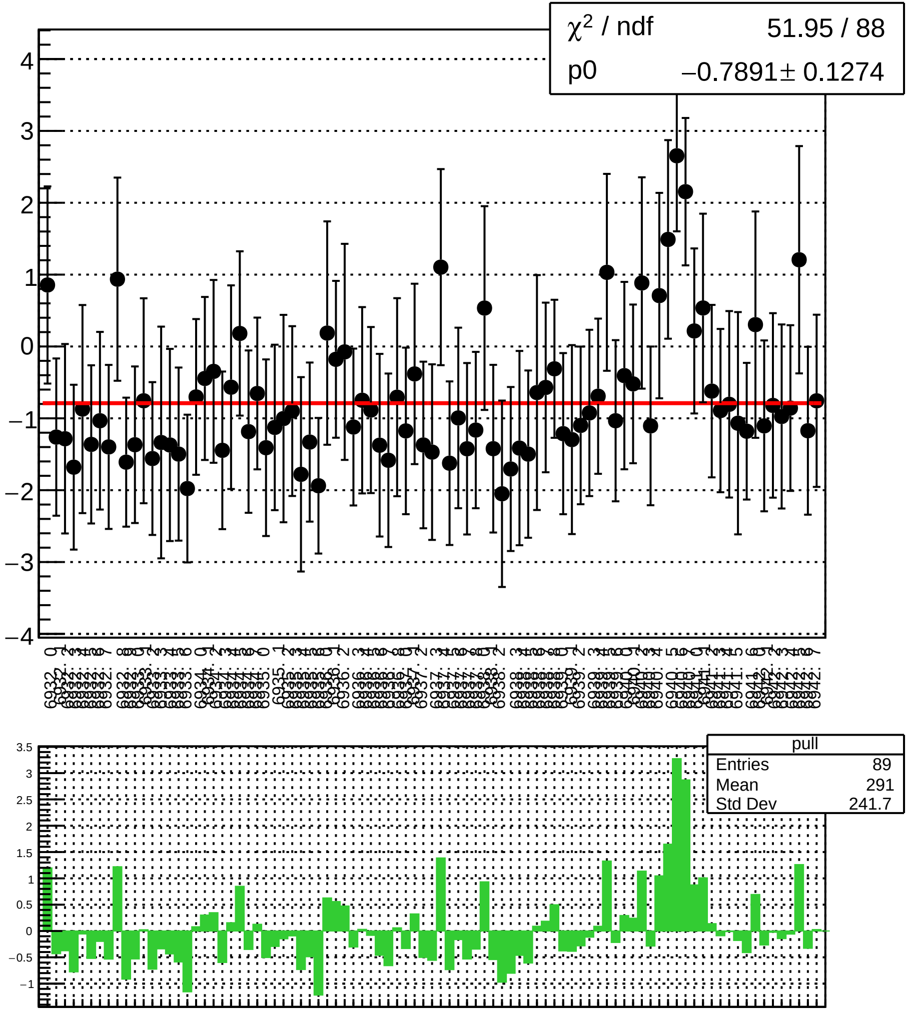


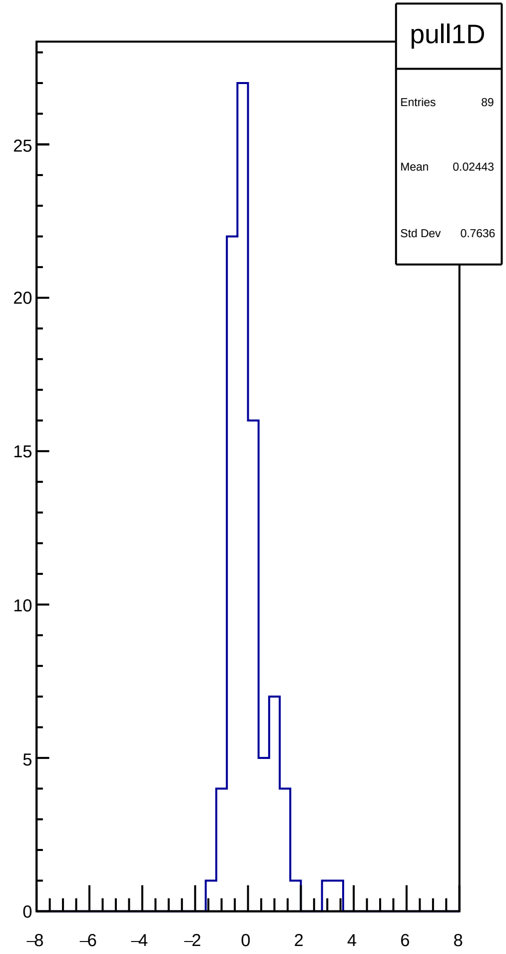
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 6.656 / 88
p0 −0.4463 ± 0.01602
pull
Entries 89
Mean 30.18
Std Dev 172.9
pull1D
Entries 89
Mean 0.002397
Std Dev 0.2735

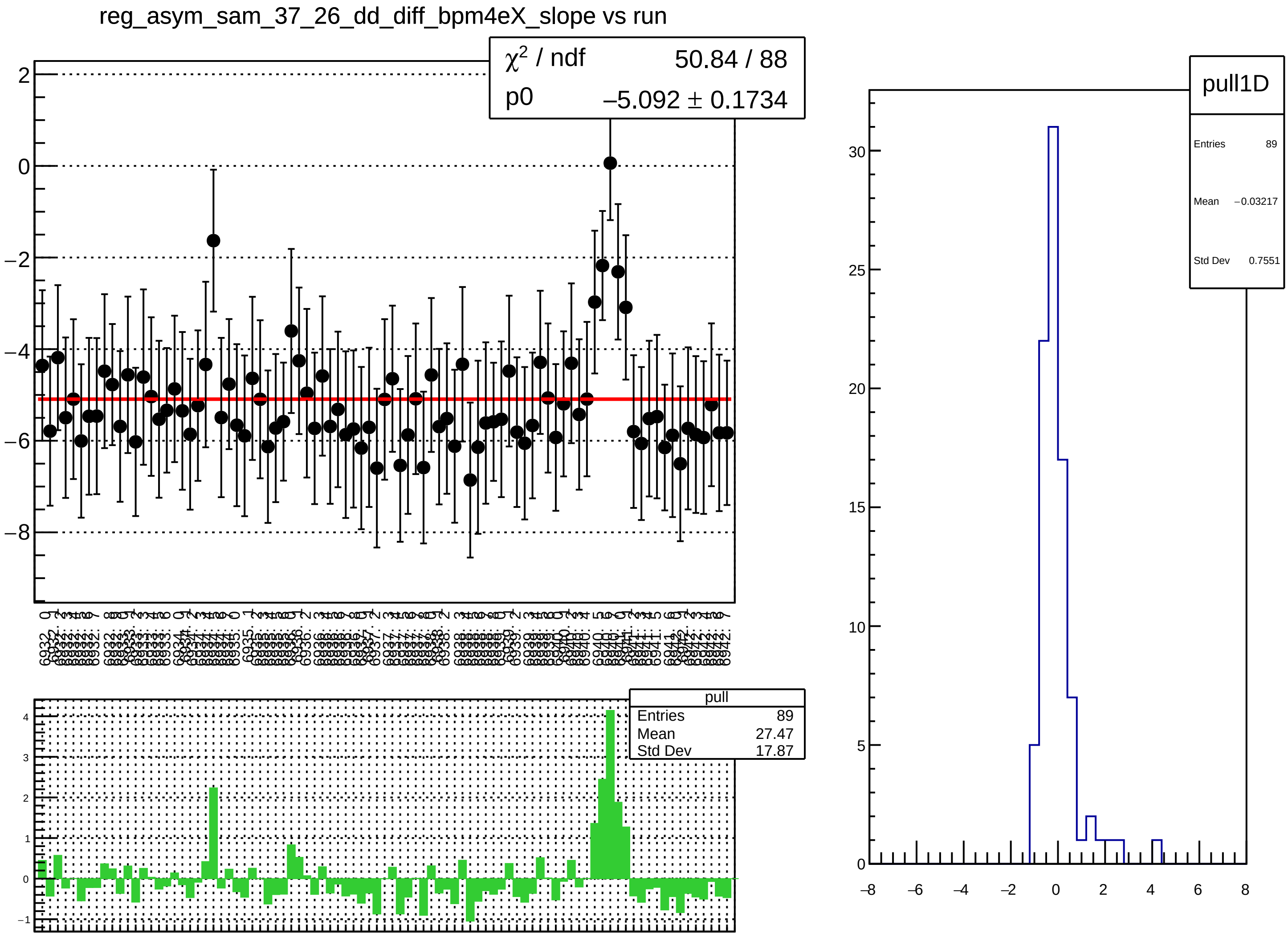


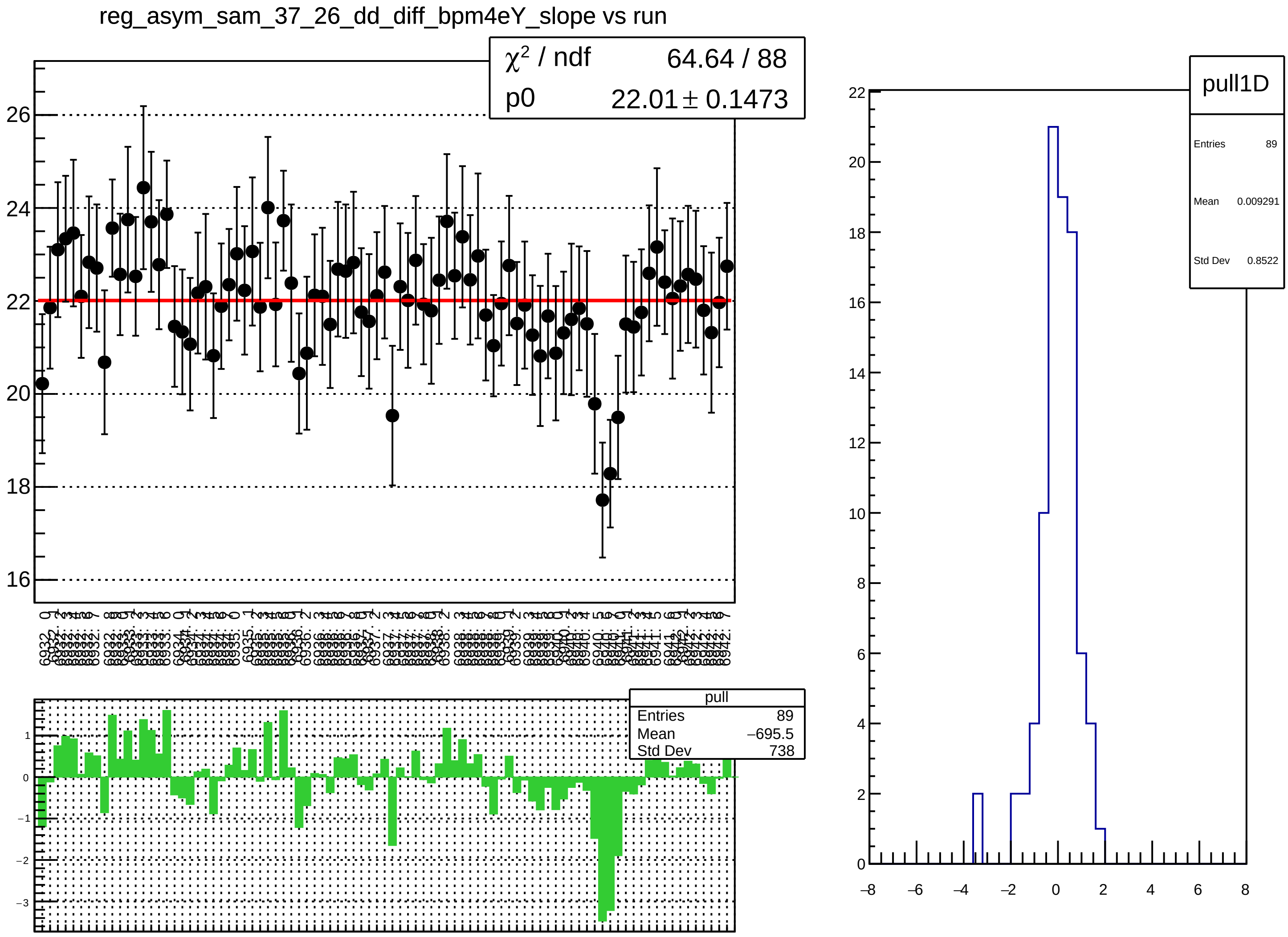
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 61.65 / 88
p0 0.143 ± 0.1865
pull
Entries 89
Mean 25.69
Std Dev 28.93
pull1D
Entries 89
Mean 0.03719
Std Dev 0.8315

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run

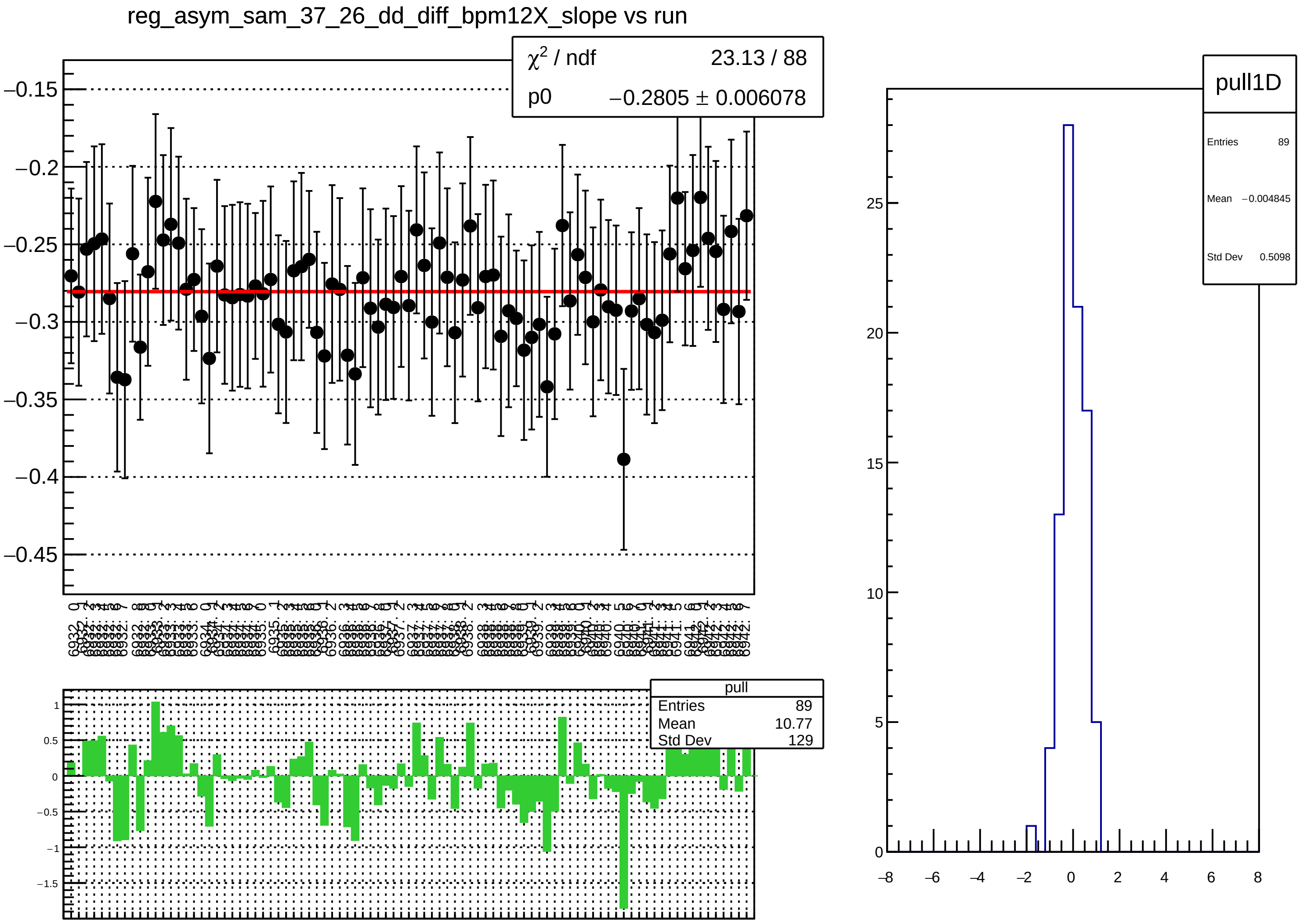


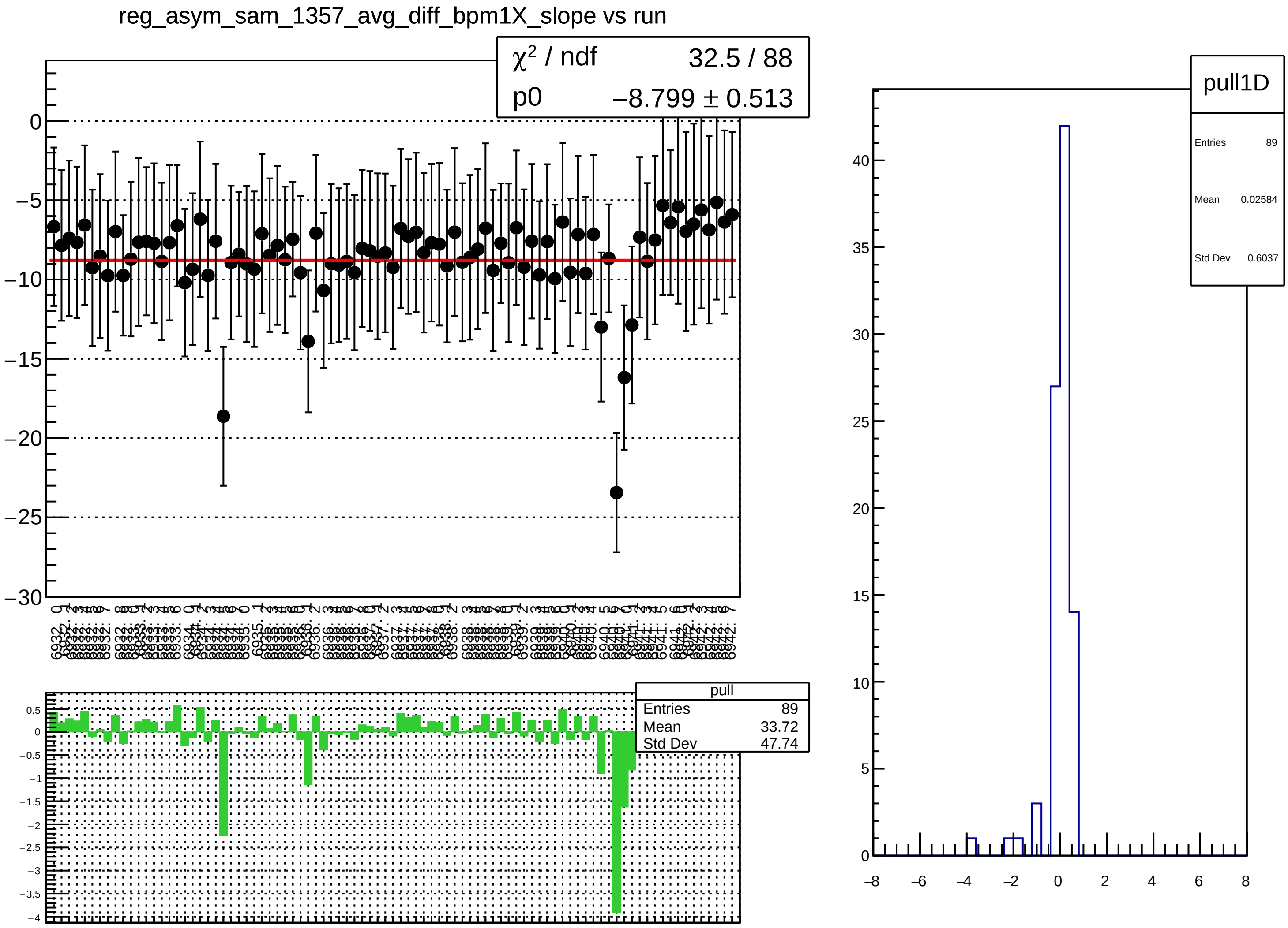



reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 50.84 / 88
p0 −5.092 ± 0.1734
pull
Entries 89
Mean 27.47
Std Dev 17.87
pull1D
Entries 89
Mean −0.03217
Std Dev 0.7551

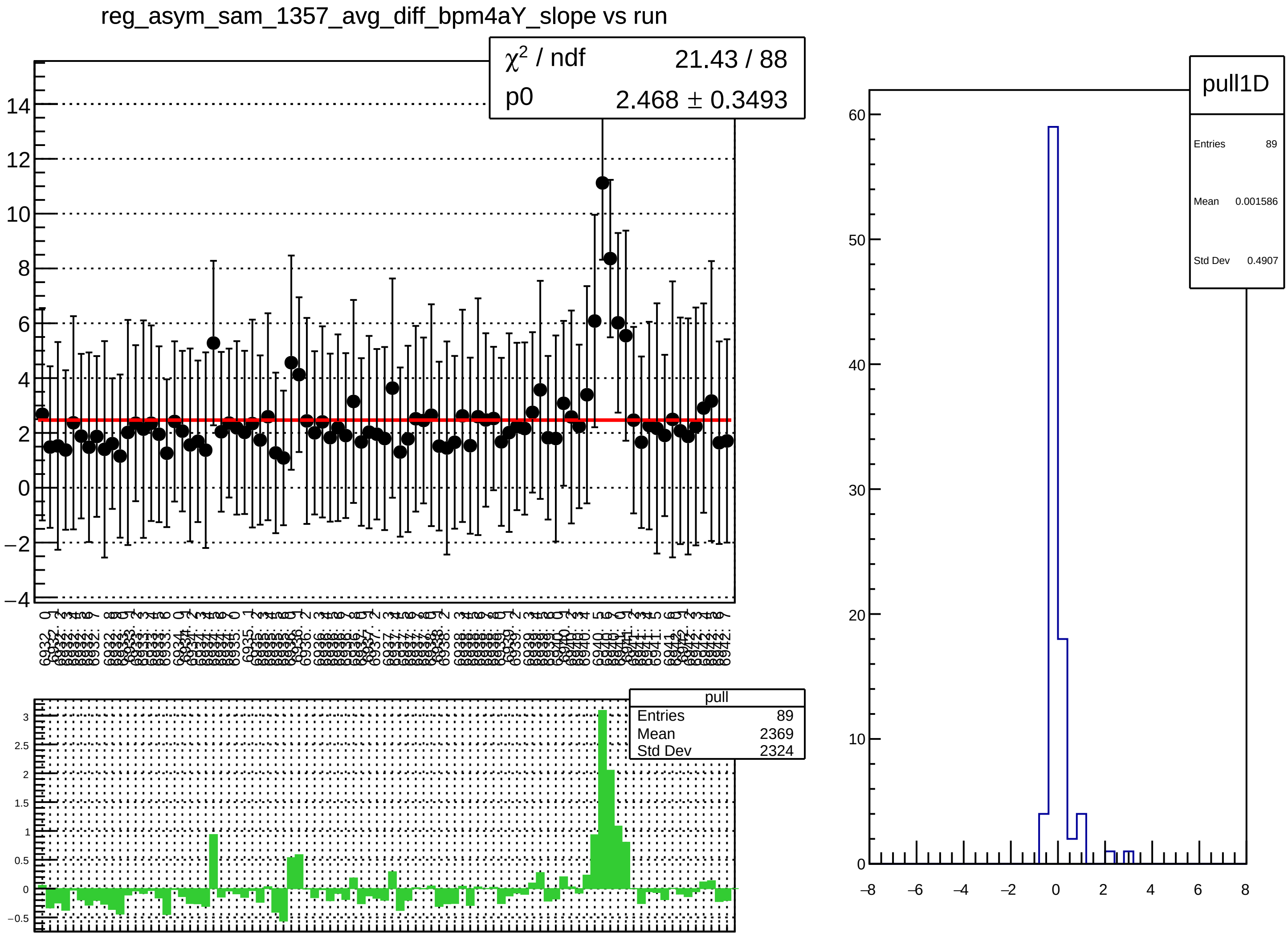


reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 64.64 / 88
p0 22.01 ± 0.1473
pull
Entries 89
Mean −695.5
Std Dev 738
pull1D
Entries 89
Mean 0.009291
Std Dev 0.8522

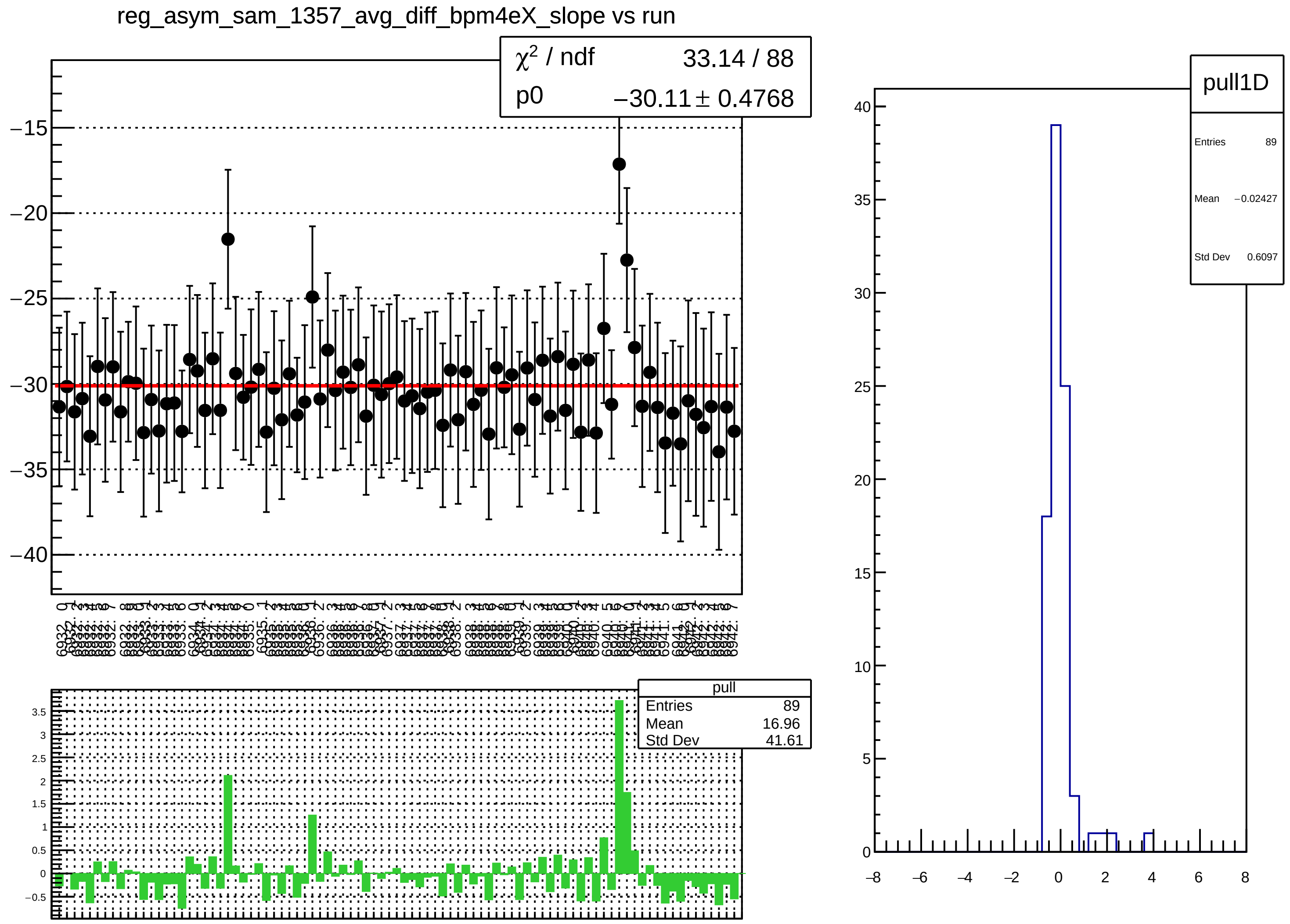

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 23.13 / 88
p0 −0.2805 ± 0.006078
pull
Entries 89
Mean 10.77
Std Dev 129
pull1D
Entries 89
Mean −0.004845
Std Dev 0.5098

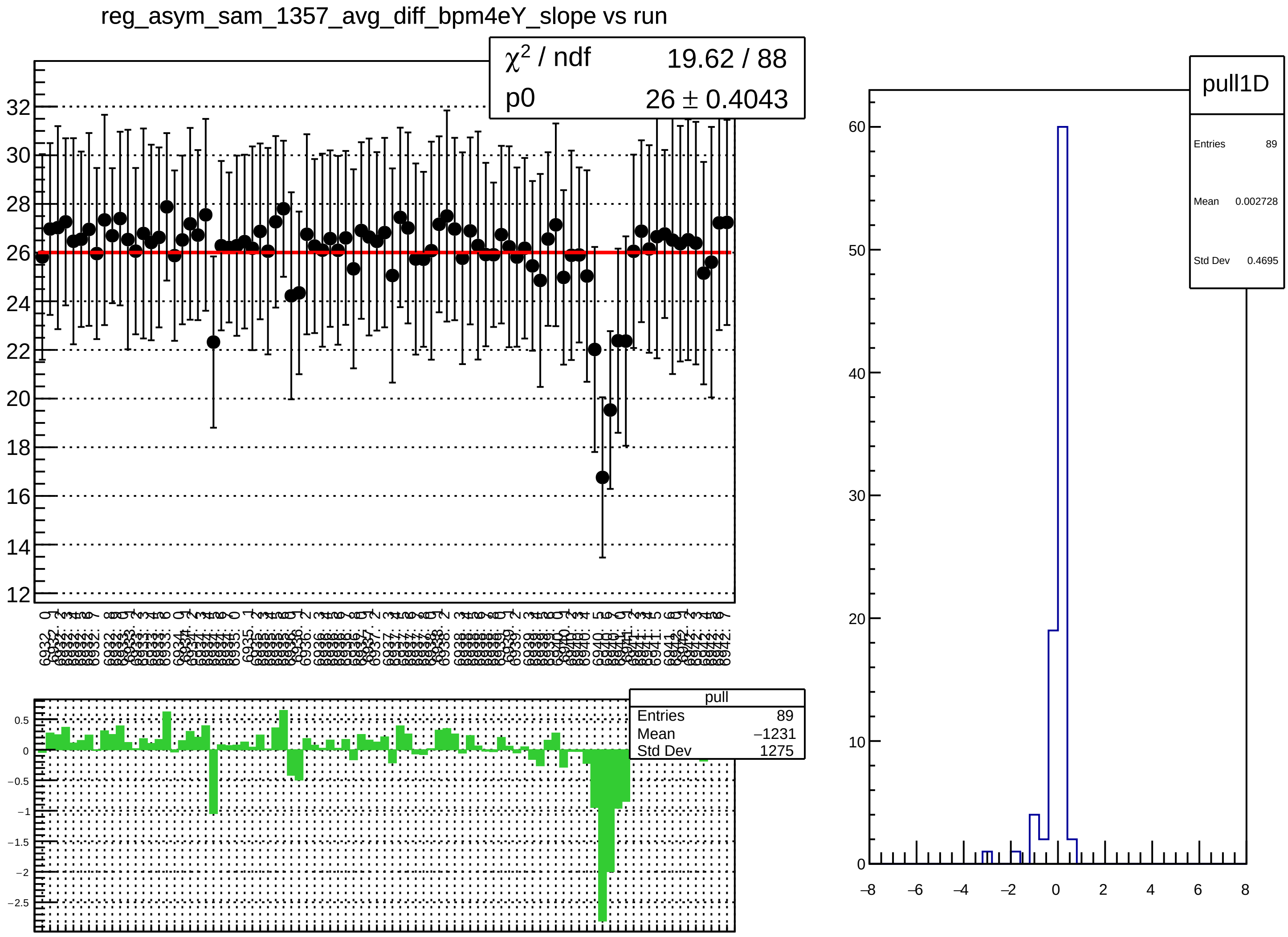


reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 32.5 / 88
p0 −8.799 ± 0.513
pull
Entries 89
Mean 33.72
Std Dev 47.74
pull1D
Entries 89
Mean 0.02584
Std Dev 0.6037

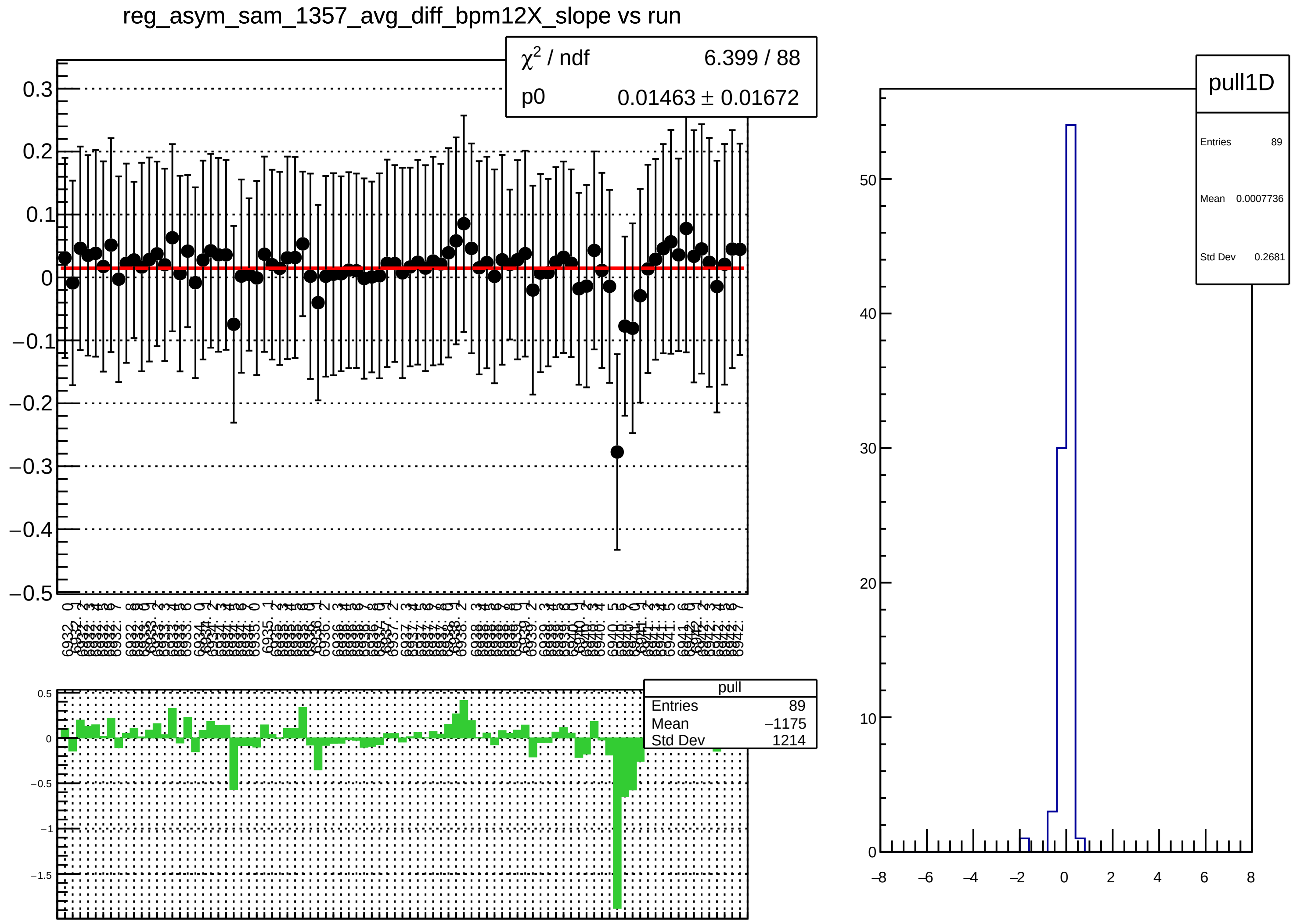


reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 21.43 / 88
p0 2.468 ± 0.3493
pull
Entries 89
Mean 2369
Std Dev 2324
pull1D
Entries 89
Mean 0.001586
Std Dev 0.4907

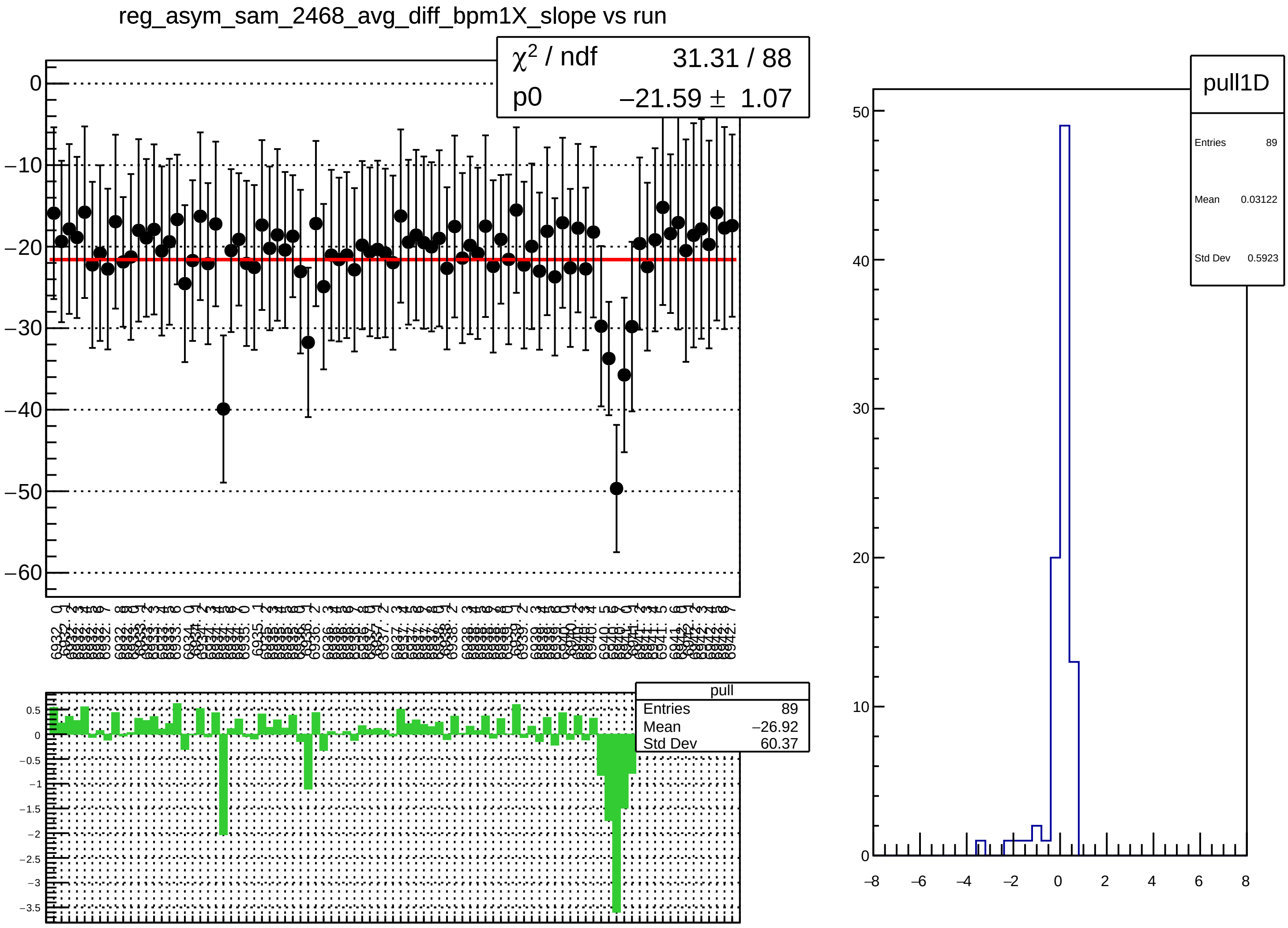

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 33.14 / 88
p0 −30.11 ± 0.4768
−15
−20
−25
−30
−35
−40
pull
Entries 89
Mean 16.96
Std Dev 41.61
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 89
Mean −0.02427
Std Dev 0.6097
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

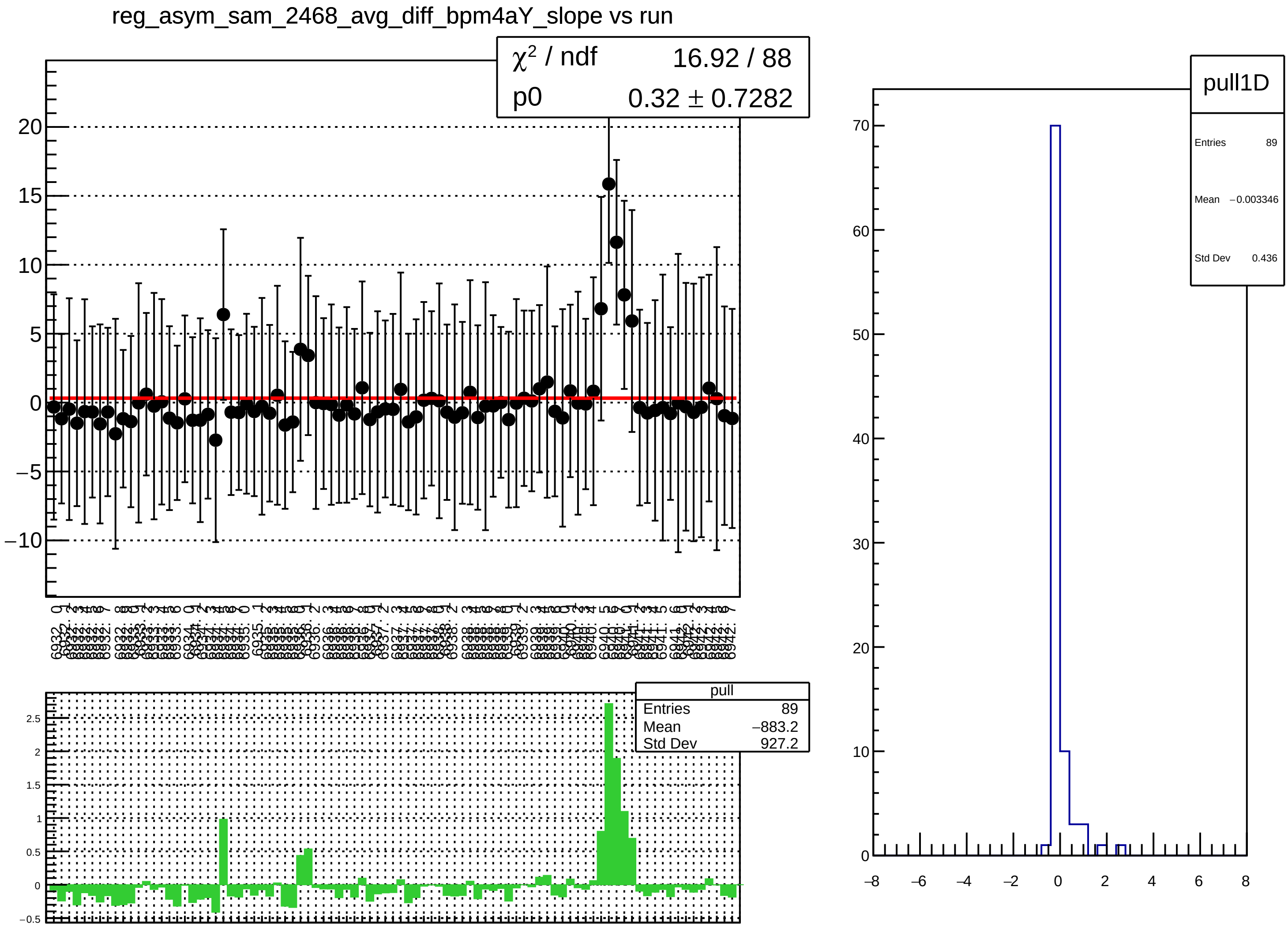


reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ2 / ndf 19.62 / 88
p0 26 ± 0.4043
pull
Entries 89
Mean −1231
Std Dev 1275
pull1D
Entries 89
Mean 0.002728
Std Dev 0.4695

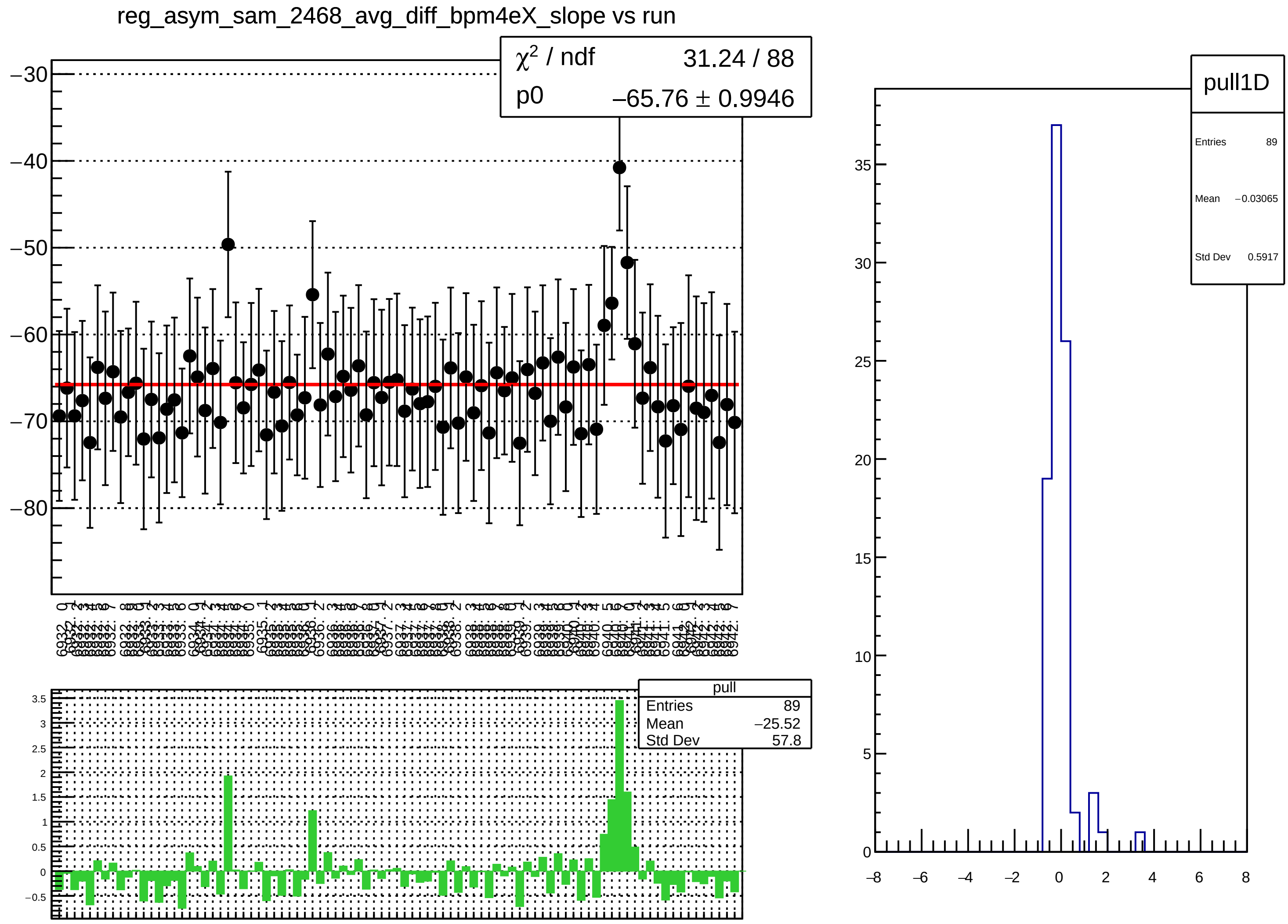


reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ2 / ndf 6.399 / 88
p0 0.01463 ± 0.01672
pull
Entries 89
Mean −1175
Std Dev 1214
pull1D
Entries 89
Mean 0.0007736
Std Dev 0.2681

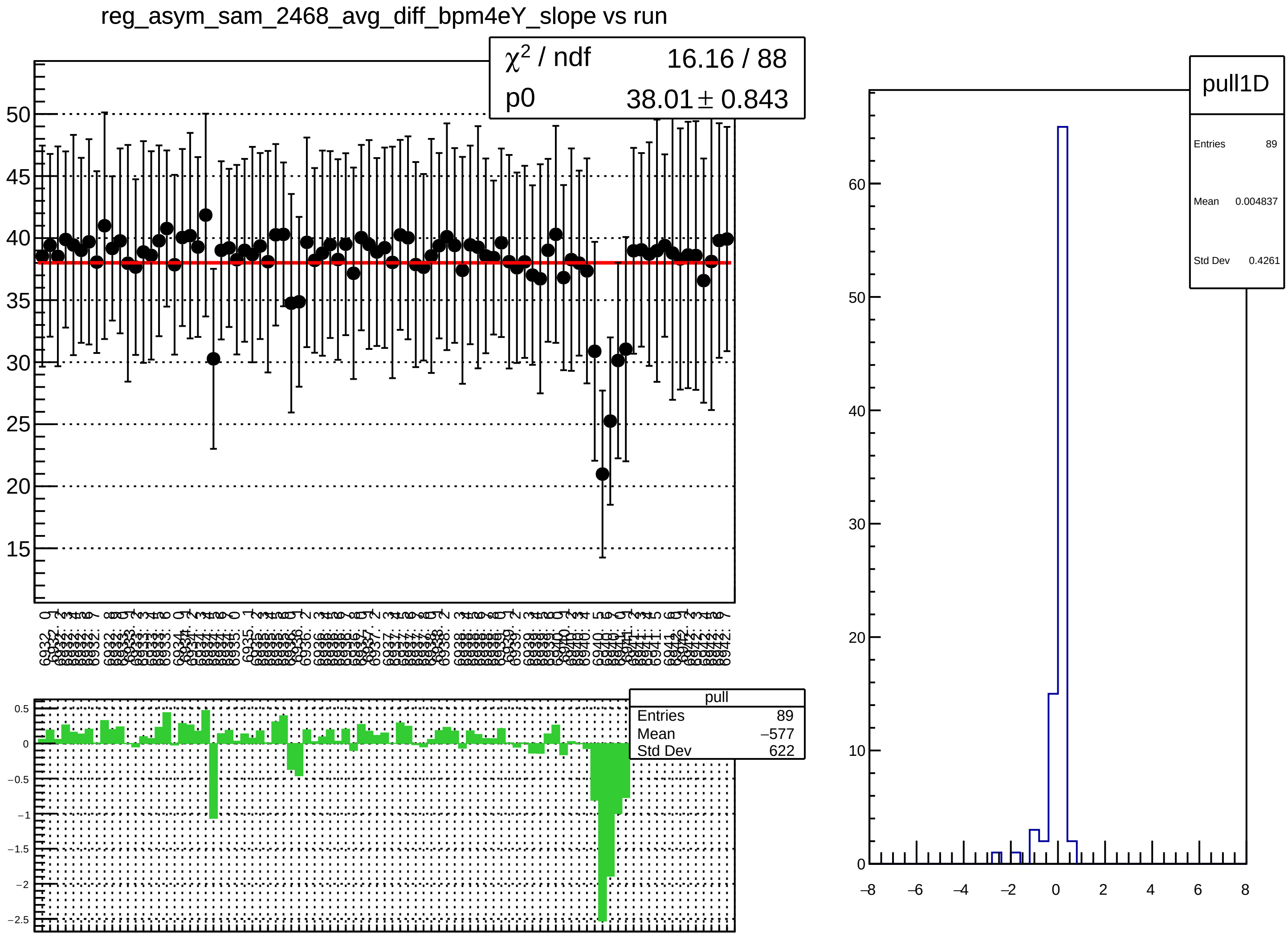

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 31.31 / 88
p0 −21.59 ± 1.07
pull
Entries 89
Mean −26.92
Std Dev 60.37
pull1D
Entries 89
Mean 0.03122
Std Dev 0.5923



reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.92 / 88
p0 0.32 ± 0.7282
pull
Entries 89
Mean −883.2
Std Dev 927.2
pull1D
Entries 89
Mean −0.003346
Std Dev 0.436

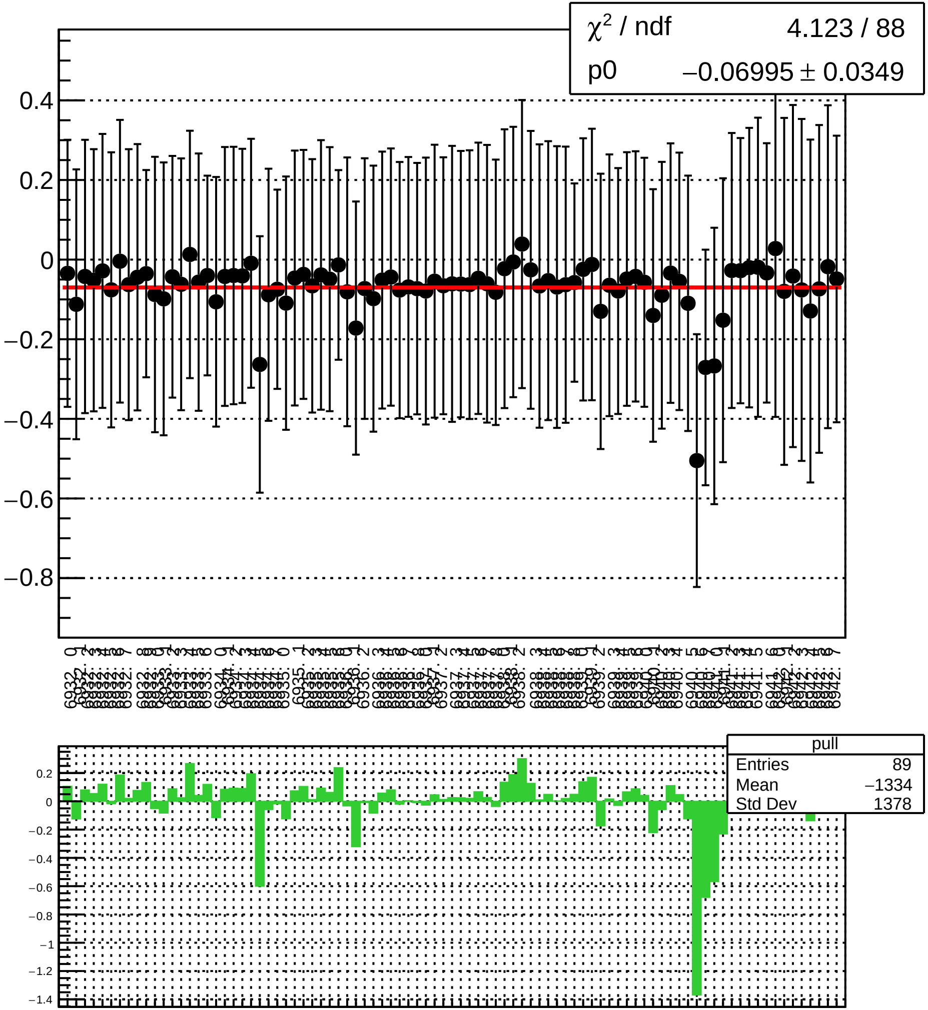


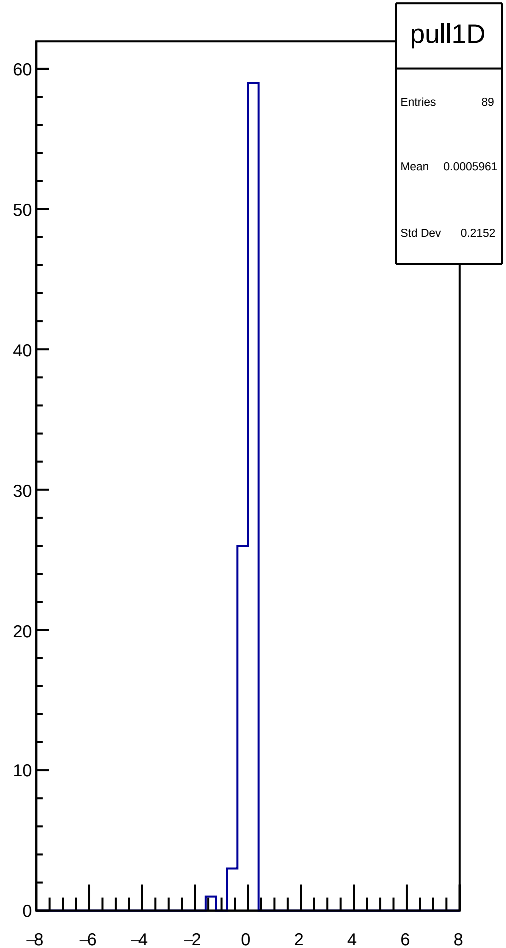
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.24 / 88
p0 −65.76 ± 0.9946
pull
Entries 89
Mean −25.52
Std Dev 57.8
pull1D
Entries 89
Mean −0.03065
Std Dev 0.5917

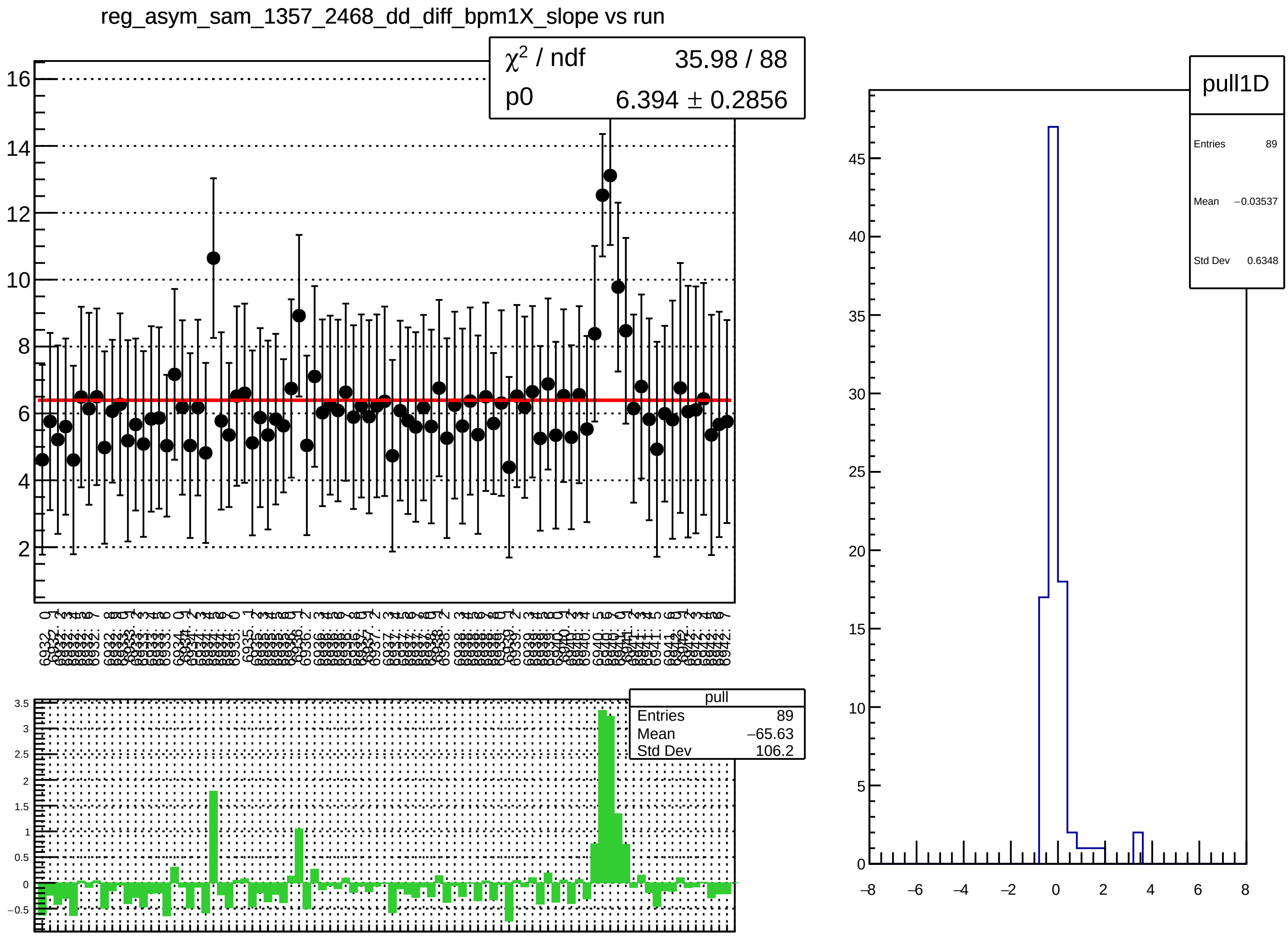


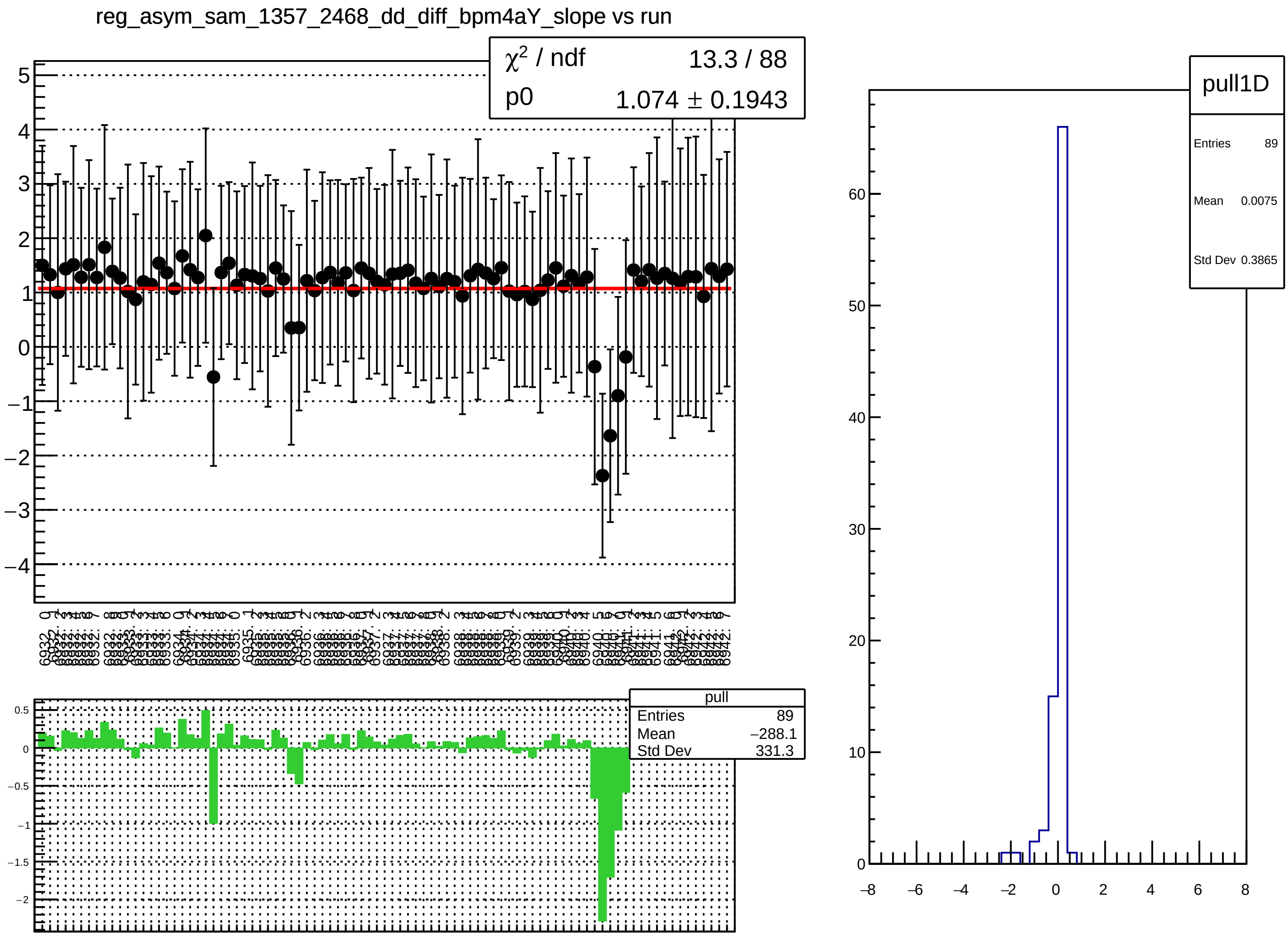
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 16.16 / 88
p0 38.01 ± 0.843
pull
Entries 89
Mean −577
Std Dev 622
pull1D
Entries 89
Mean 0.004837
Std Dev 0.4261

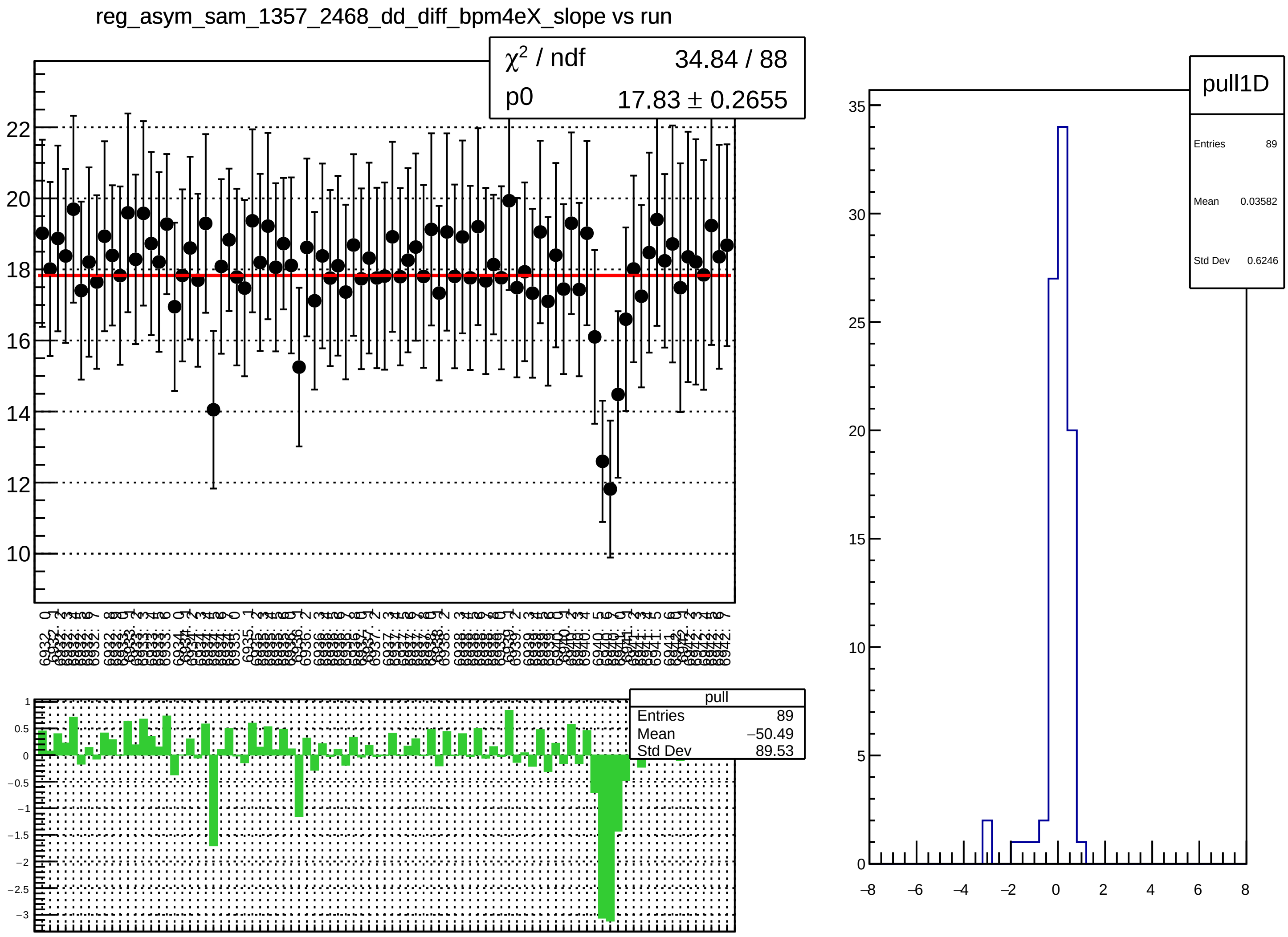
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run



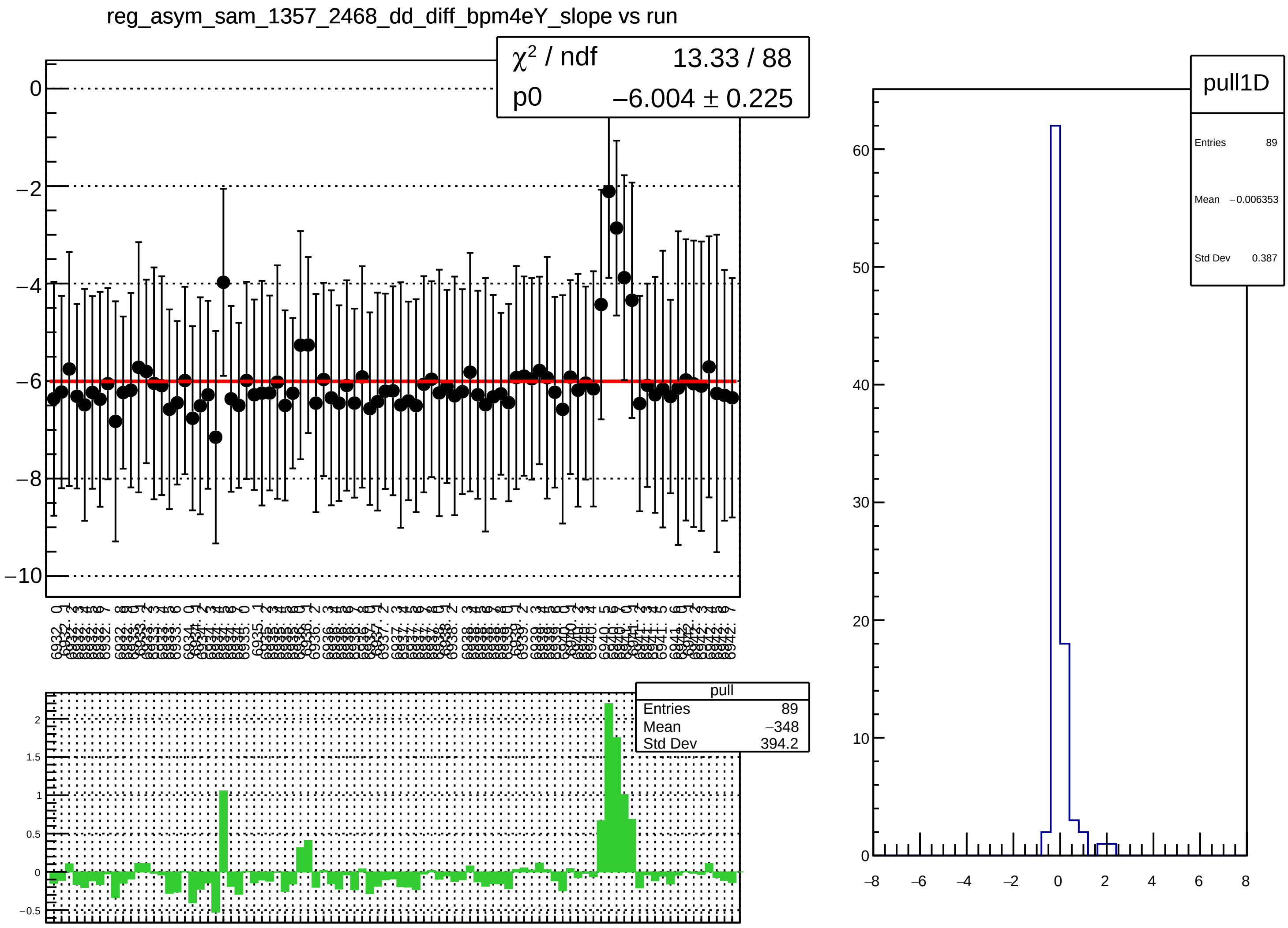



reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 35.98 / 88
p0 6.394 ± 0.2856
pull
Entries 89
Mean −65.63
Std Dev 106.2
pull1D
Entries 89
Mean −0.03537
Std Dev 0.6348


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 13.3 / 88
p0 1.074 ± 0.1943
pull
Entries 89
Mean −288.1
Std Dev 331.3
pull1D
Entries 89
Mean 0.0075
Std Dev 0.3865

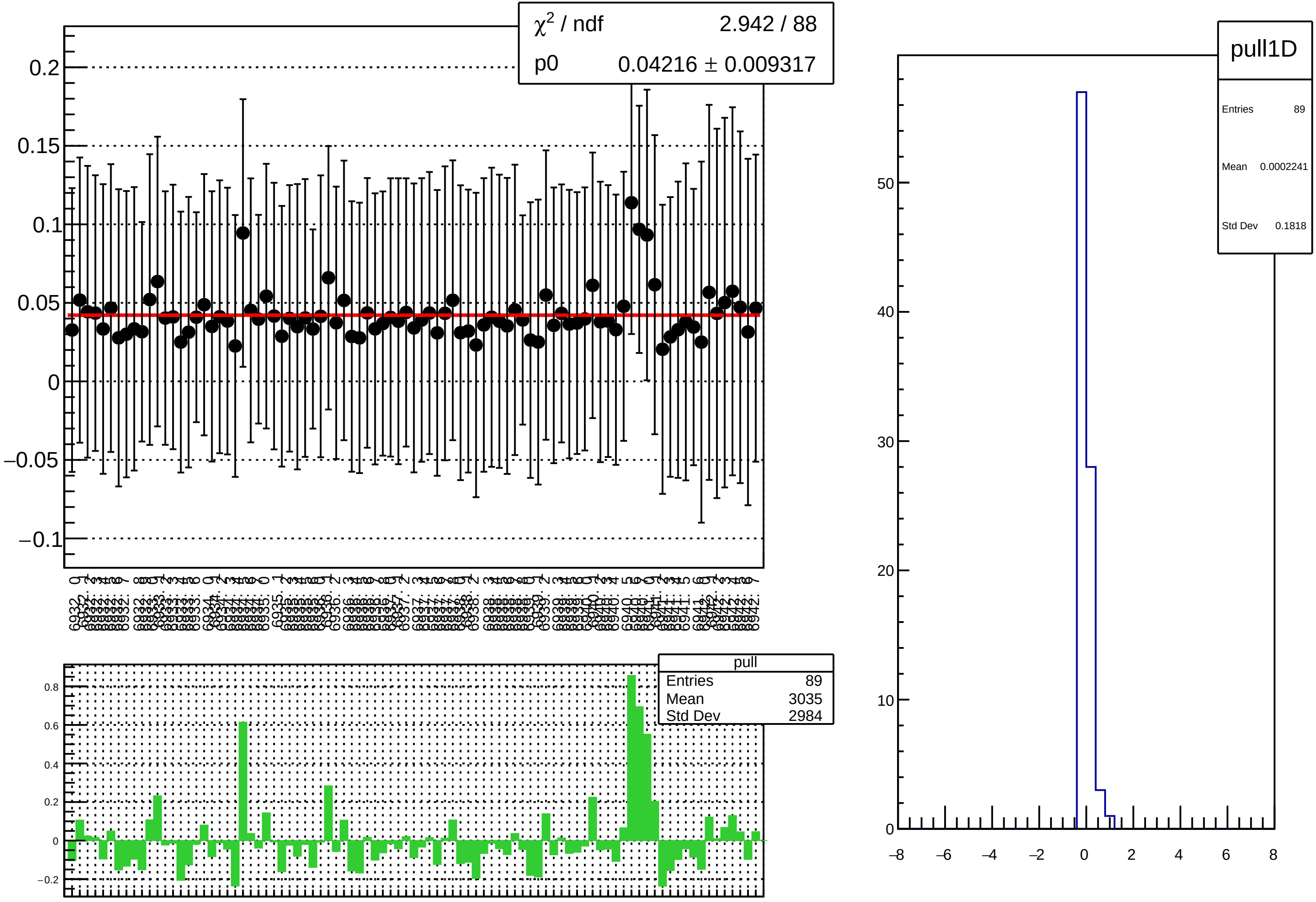


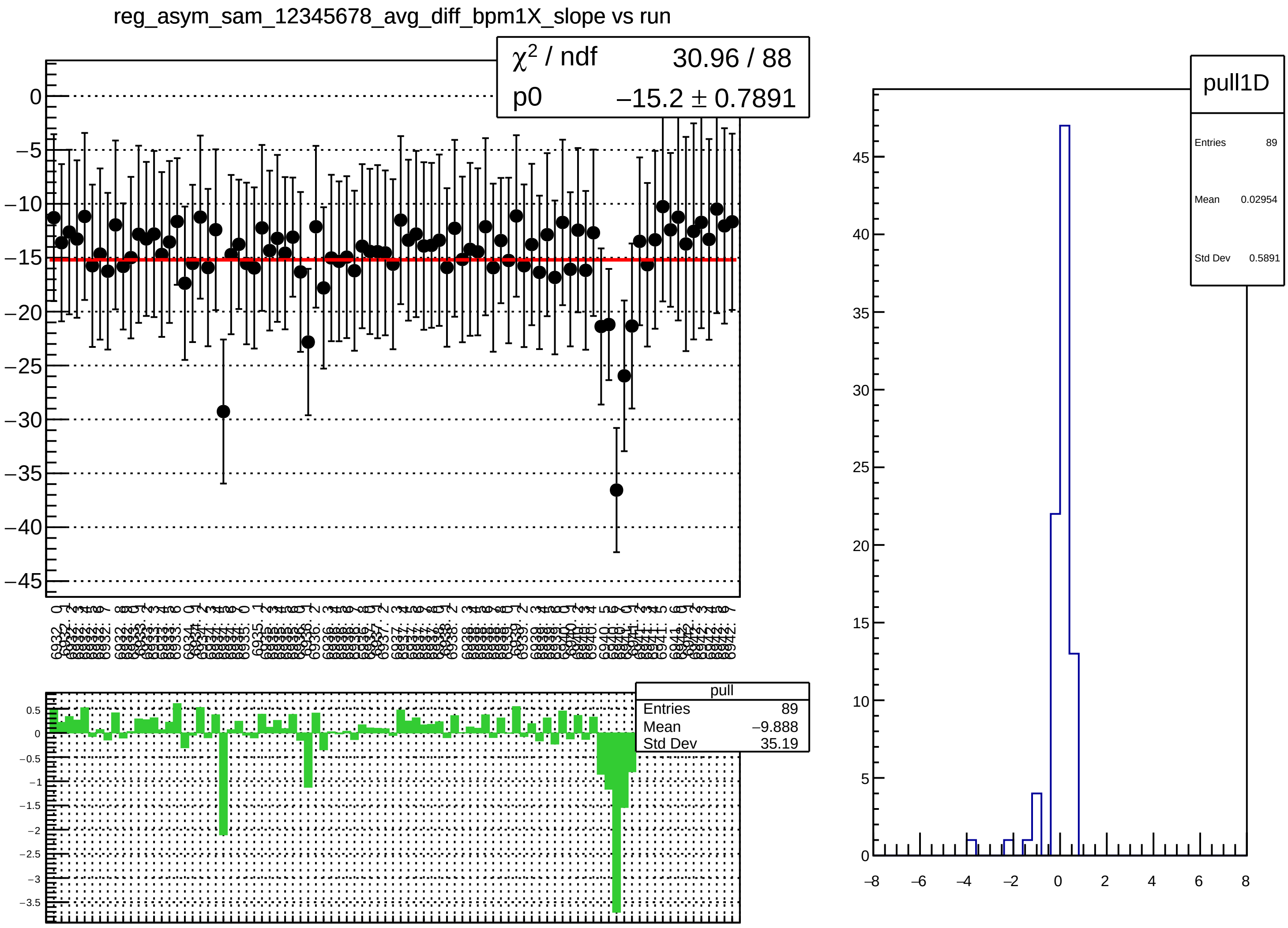
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 34.84 / 88
p0 17.83 ± 0.2655
pull
Entries 89
Mean −50.49
Std Dev 89.53
pull1D
Entries 89
Mean 0.03582
Std Dev 0.6246



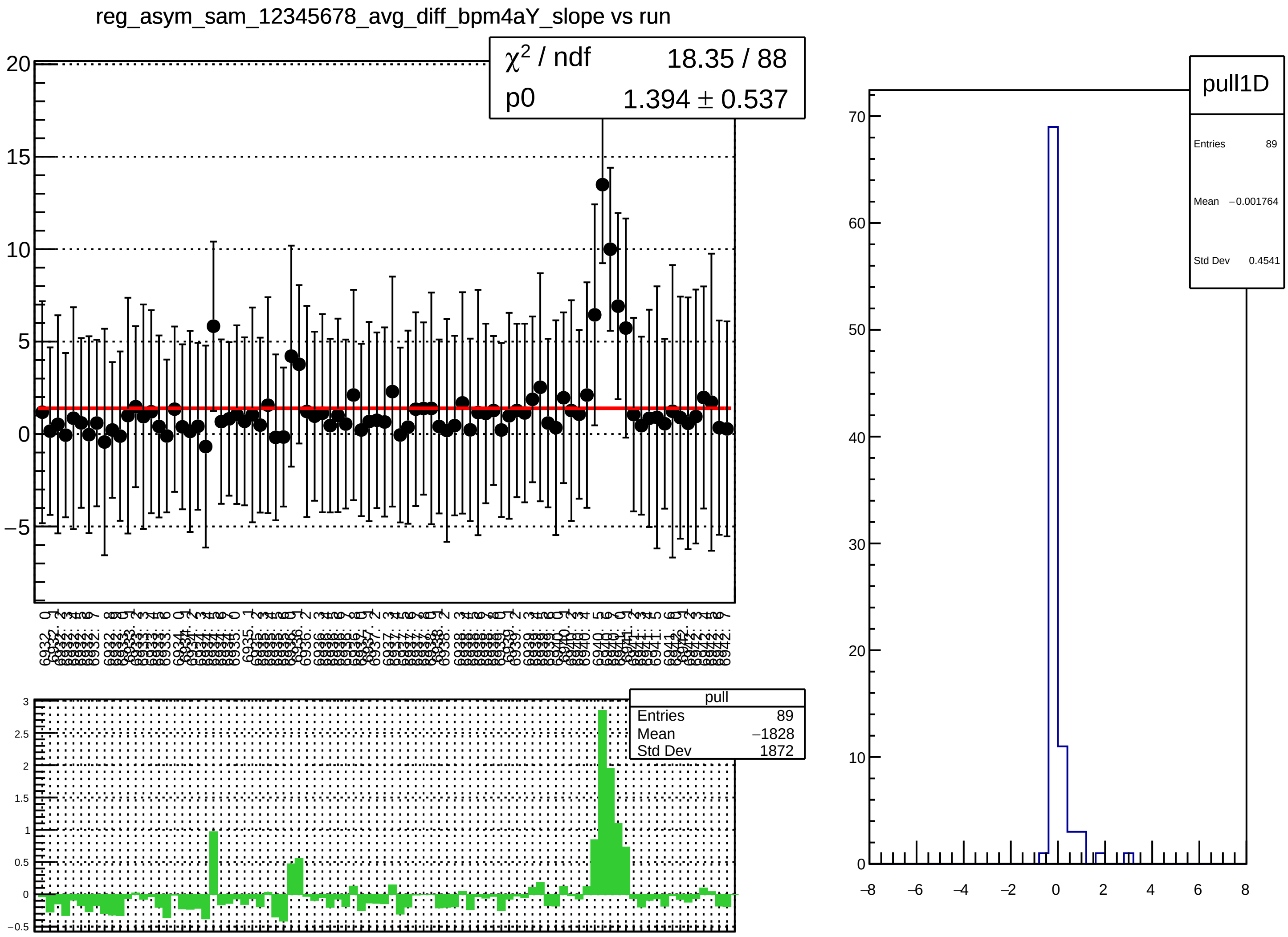
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ2 / ndf 13.33 / 88
p0 −6.004 ± 0.225
pull
Entries 89
Mean −348
Std Dev 394.2
pull1D
Entries 89
Mean −0.006353
Std Dev 0.387

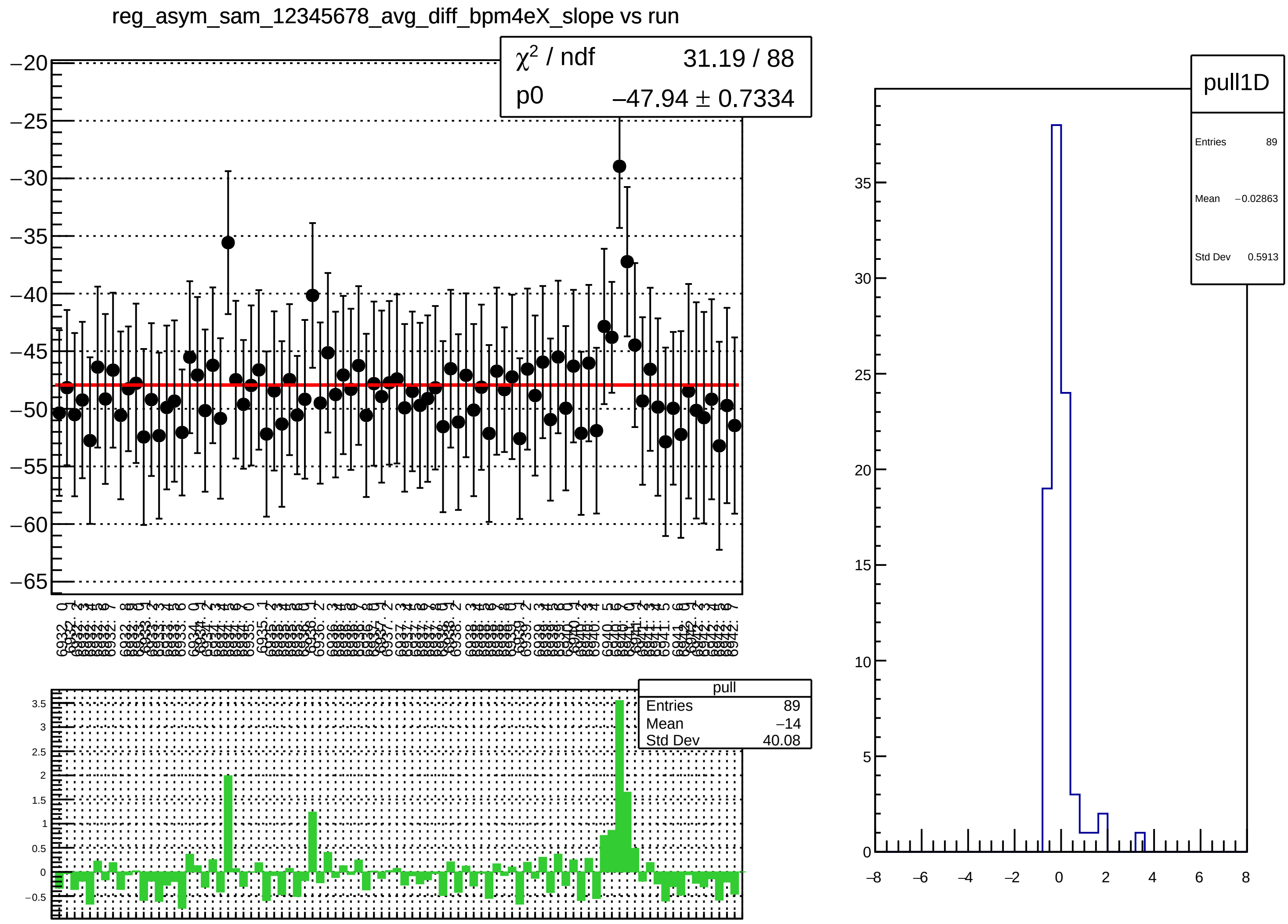
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run





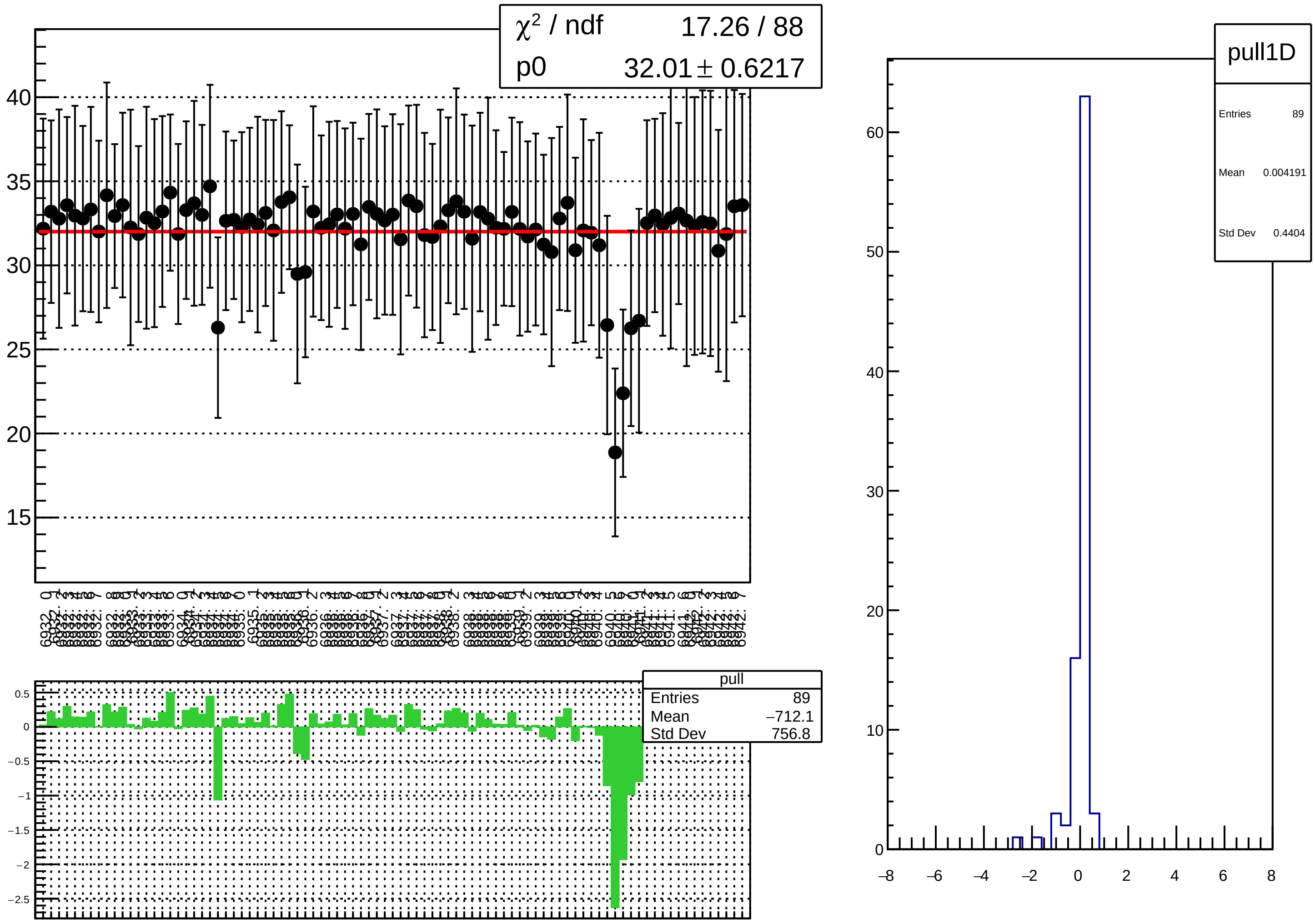
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 30.96 / 88
p0 −15.2 ± 0.7891
pull
Entries 89
Mean −9.888
Std Dev 35.19
pull1D
Entries 89
Mean 0.02954
Std Dev 0.5891

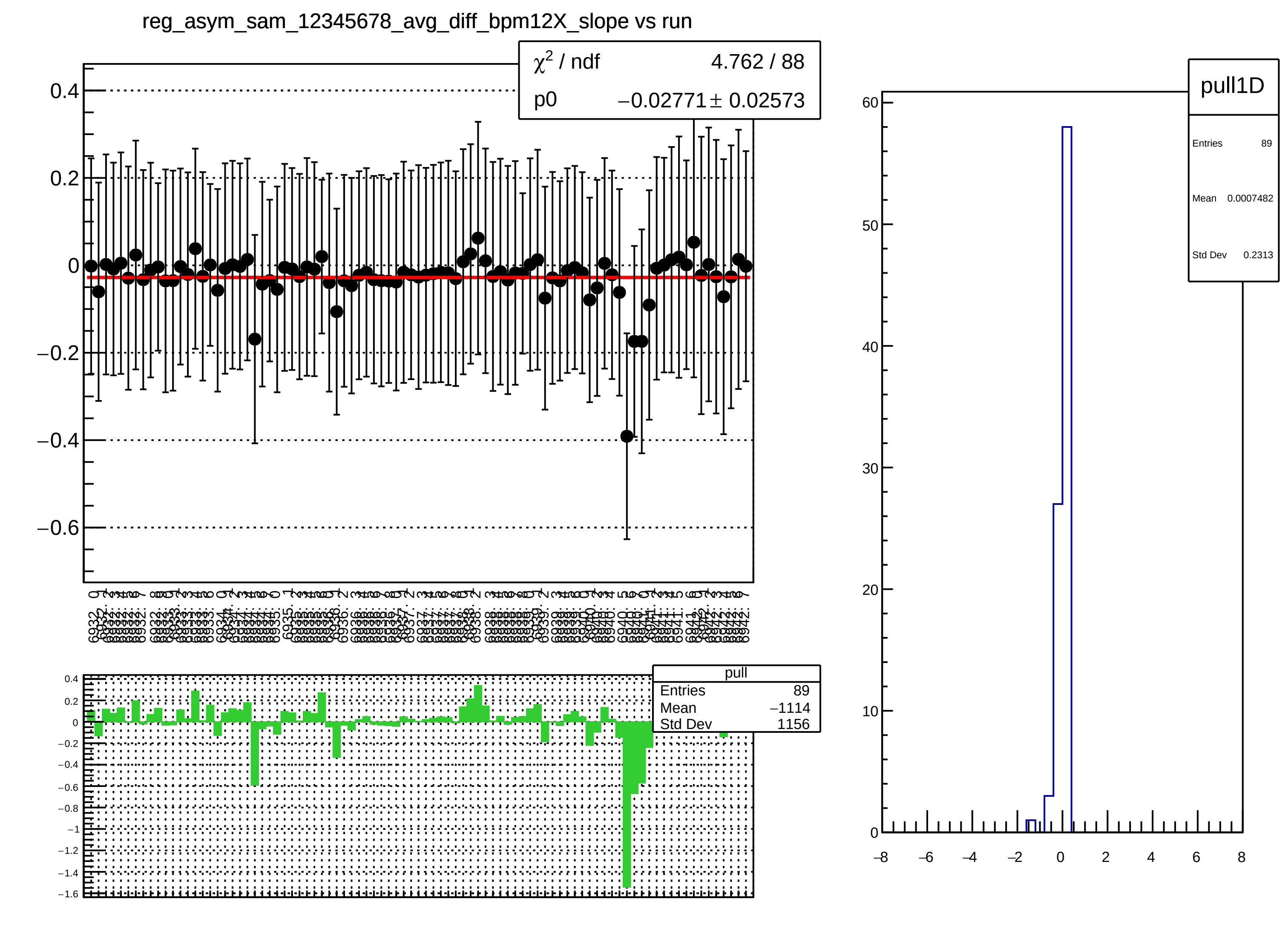

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 18.35 / 88
p0 1.394 ± 0.537
pull
Entries 89
Mean −1828
Std Dev 1872
pull1D
Entries 89
Mean −0.001764
Std Dev 0.4541

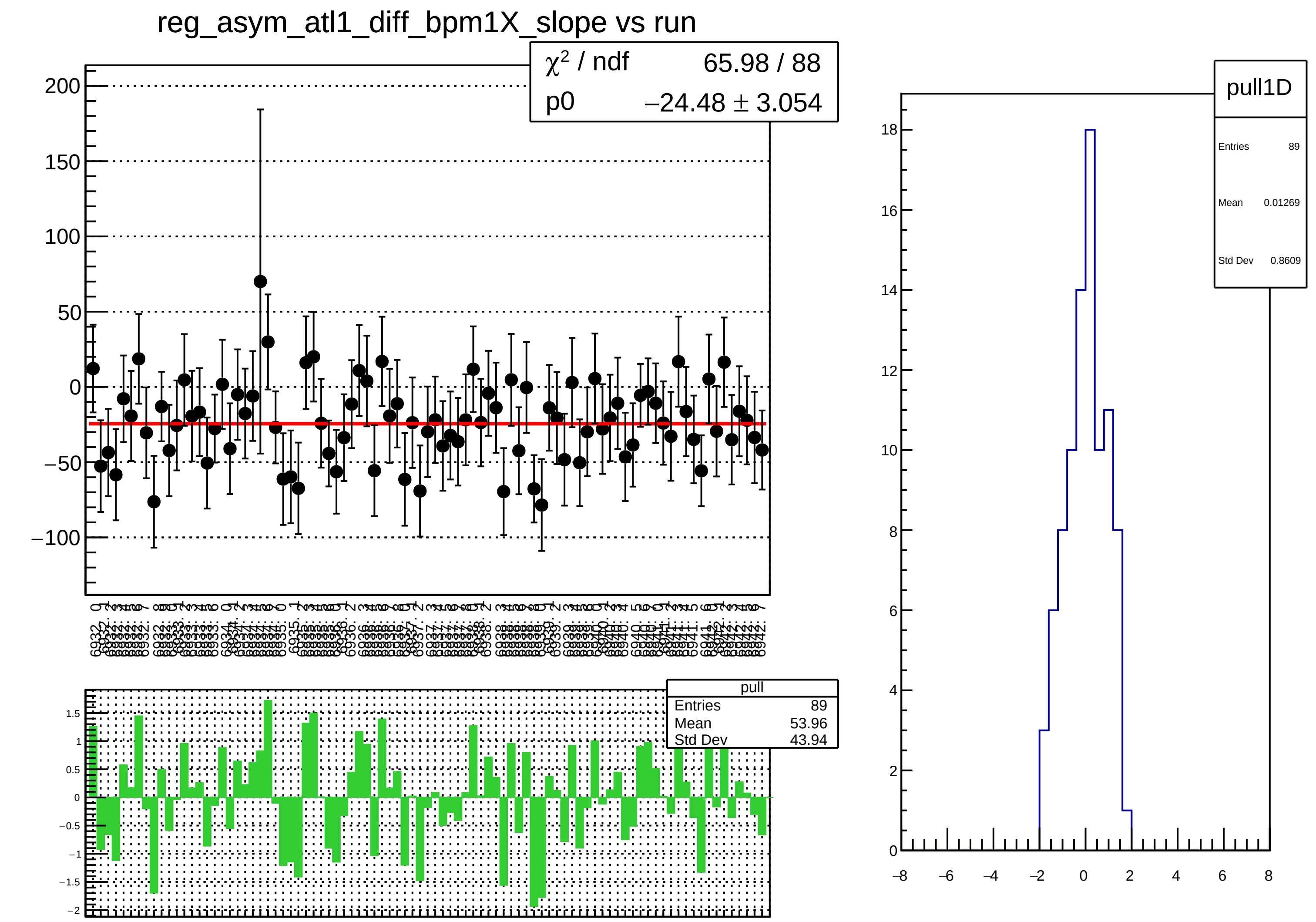


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.19 / 88
p0 −47.94 ± 0.7334
pull
Entries 89
Mean −14
Std Dev 40.08
pull1D
Entries 89
Mean −0.02863
Std Dev 0.5913

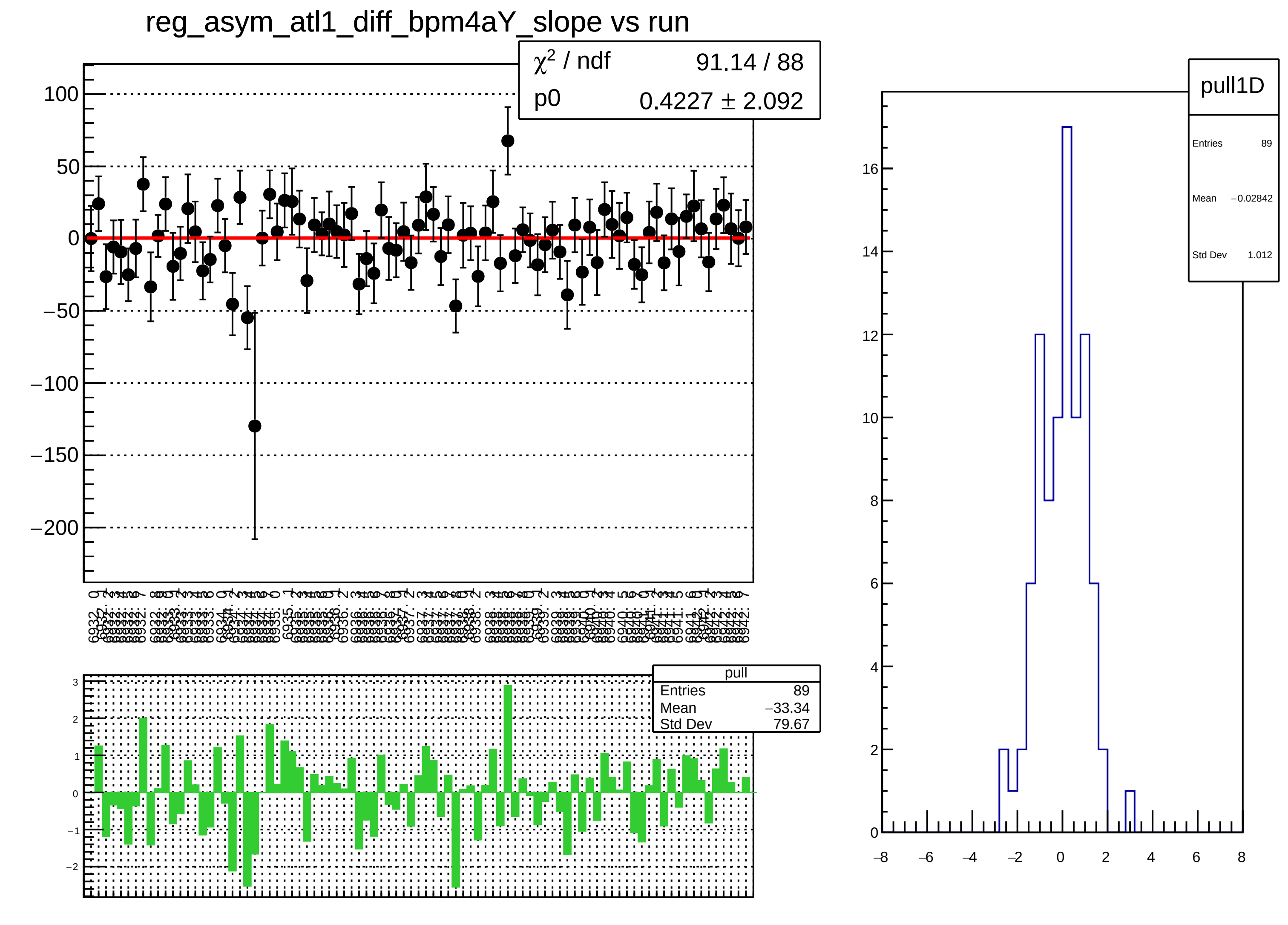
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run



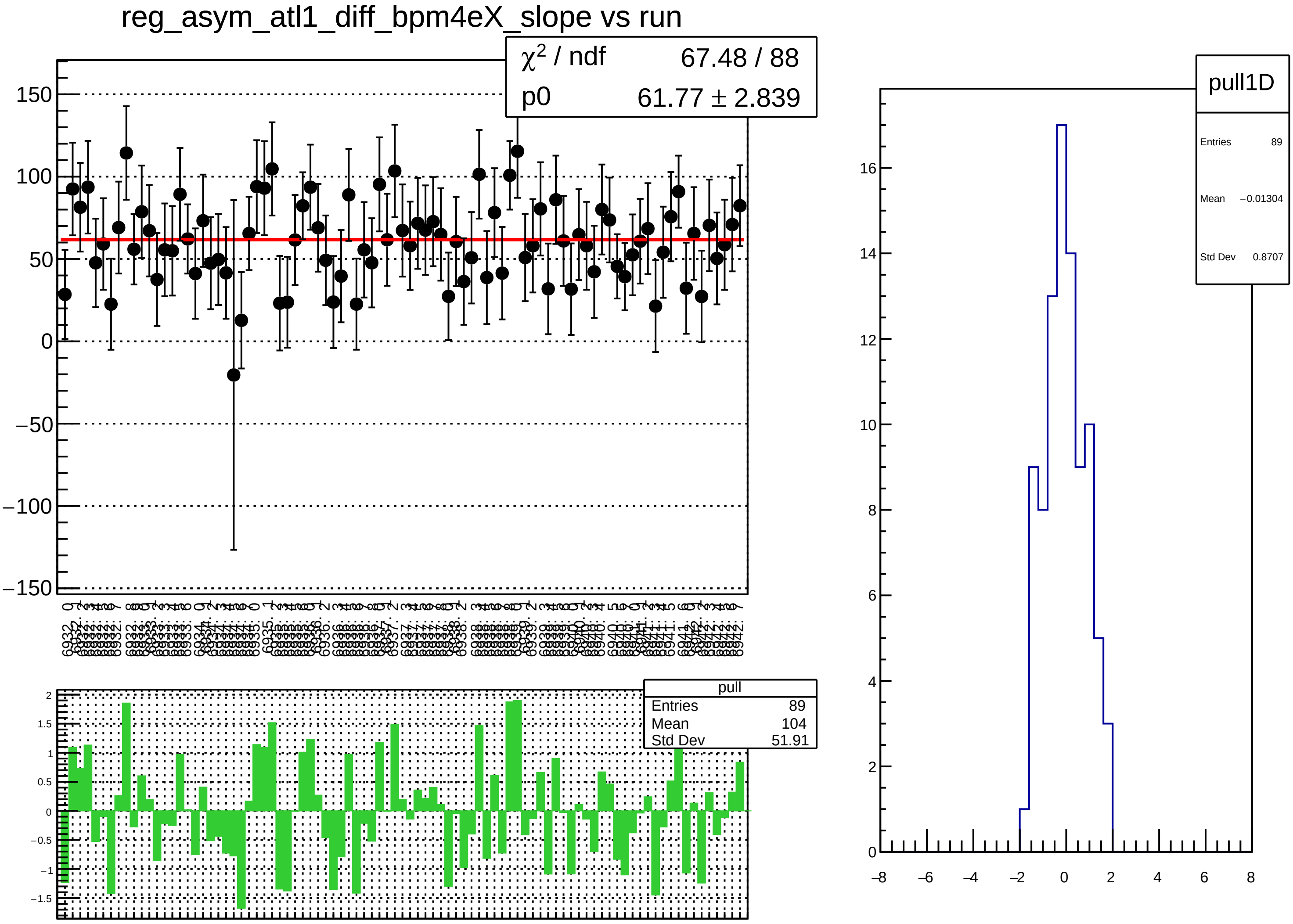

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 4.762 / 88
p0 −0.02771 ± 0.02573
pull
Entries 89
Mean −1114
Std Dev 1156
pull1D
Entries 89
Mean 0.0007482
Std Dev 0.2313

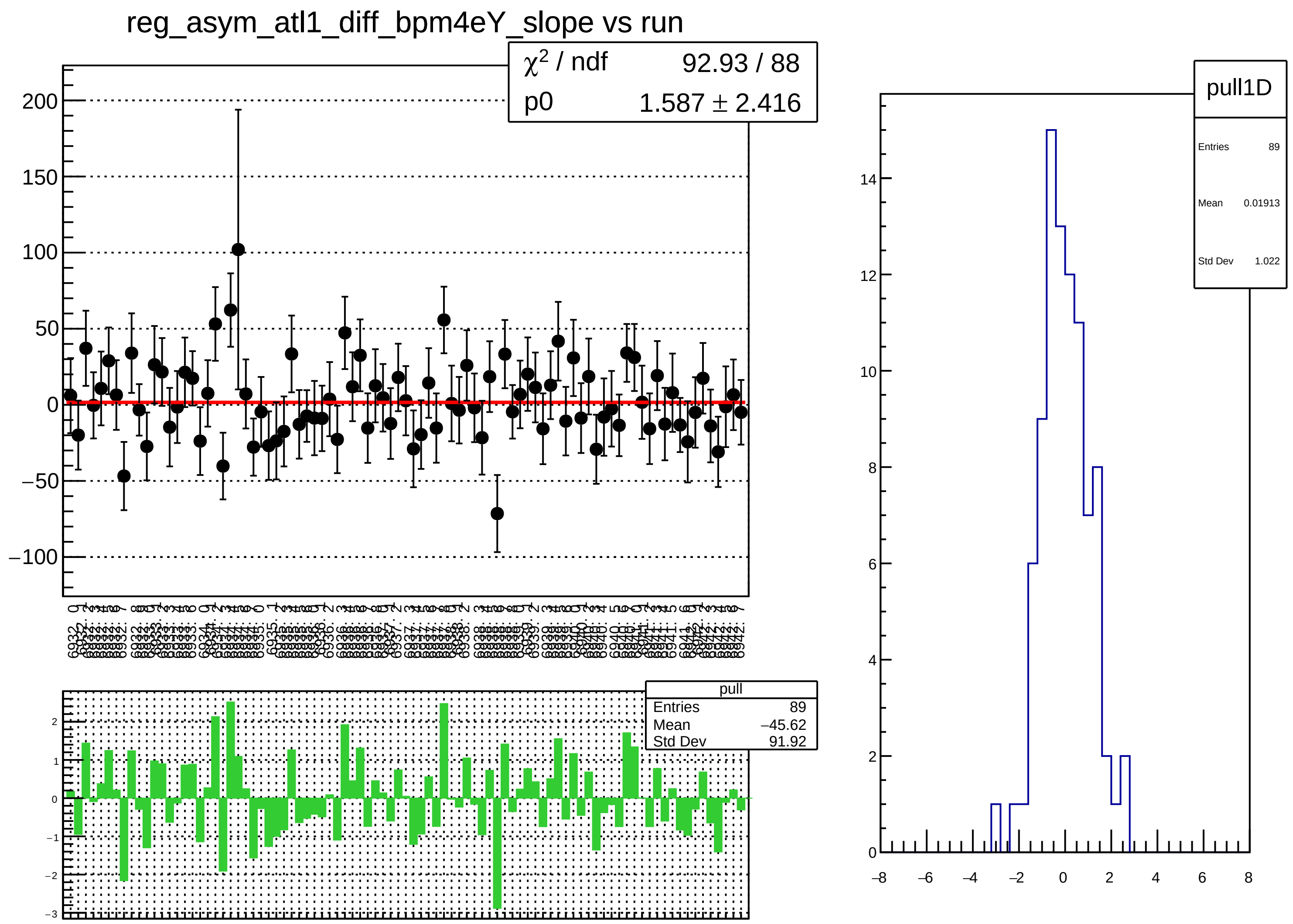


reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 65.98 / 88
p0 −24.48 ± 3.054
pull
Entries 89
Mean 53.96
Std Dev 43.94
pull1D
Entries 89
Mean 0.01269
Std Dev 0.8609

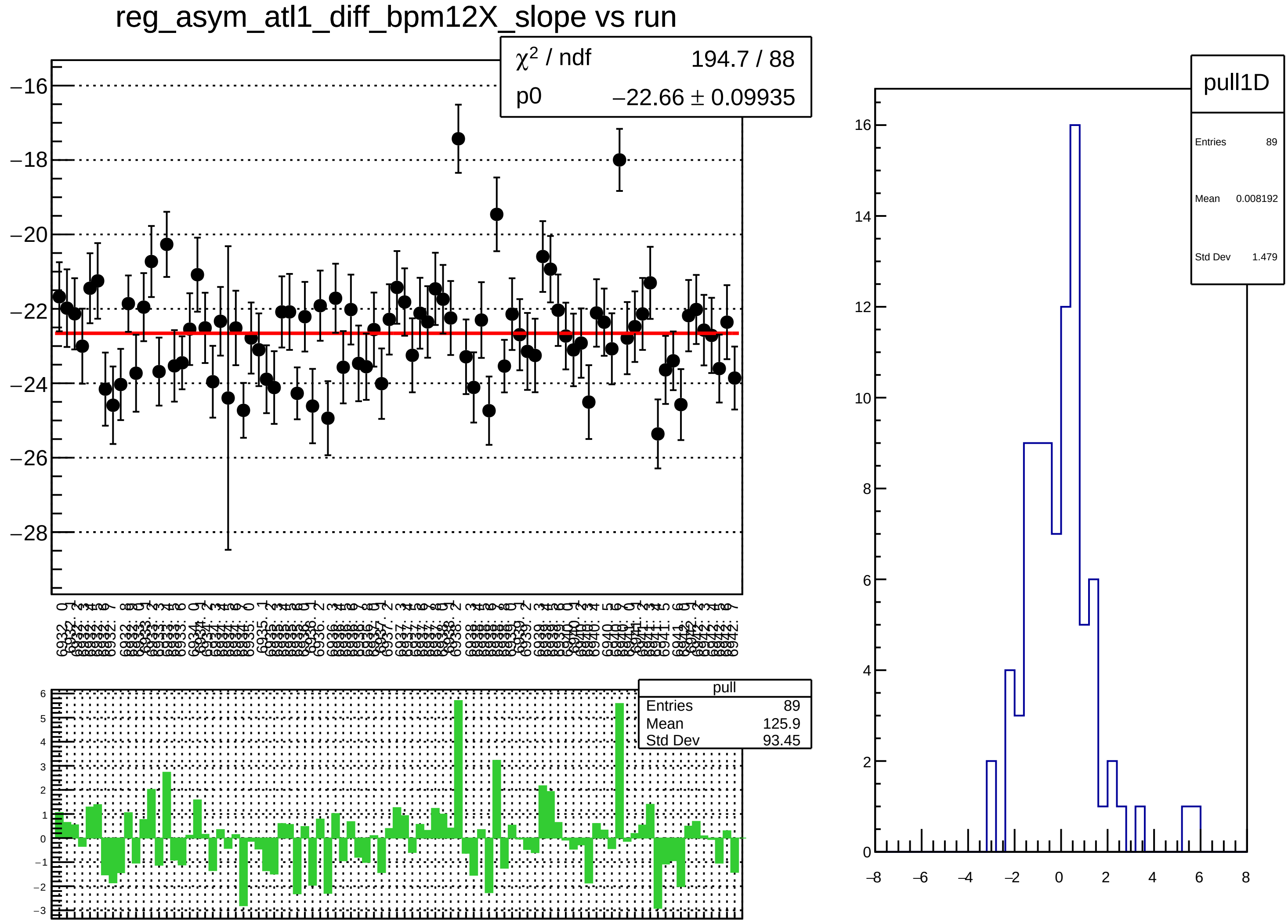


reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 91.14 / 88
p0 0.4227 ± 2.092
pull
Entries 89
Mean −33.34
Std Dev 79.67
pull1D
Entries 89
Mean −0.02842
Std Dev 1.012

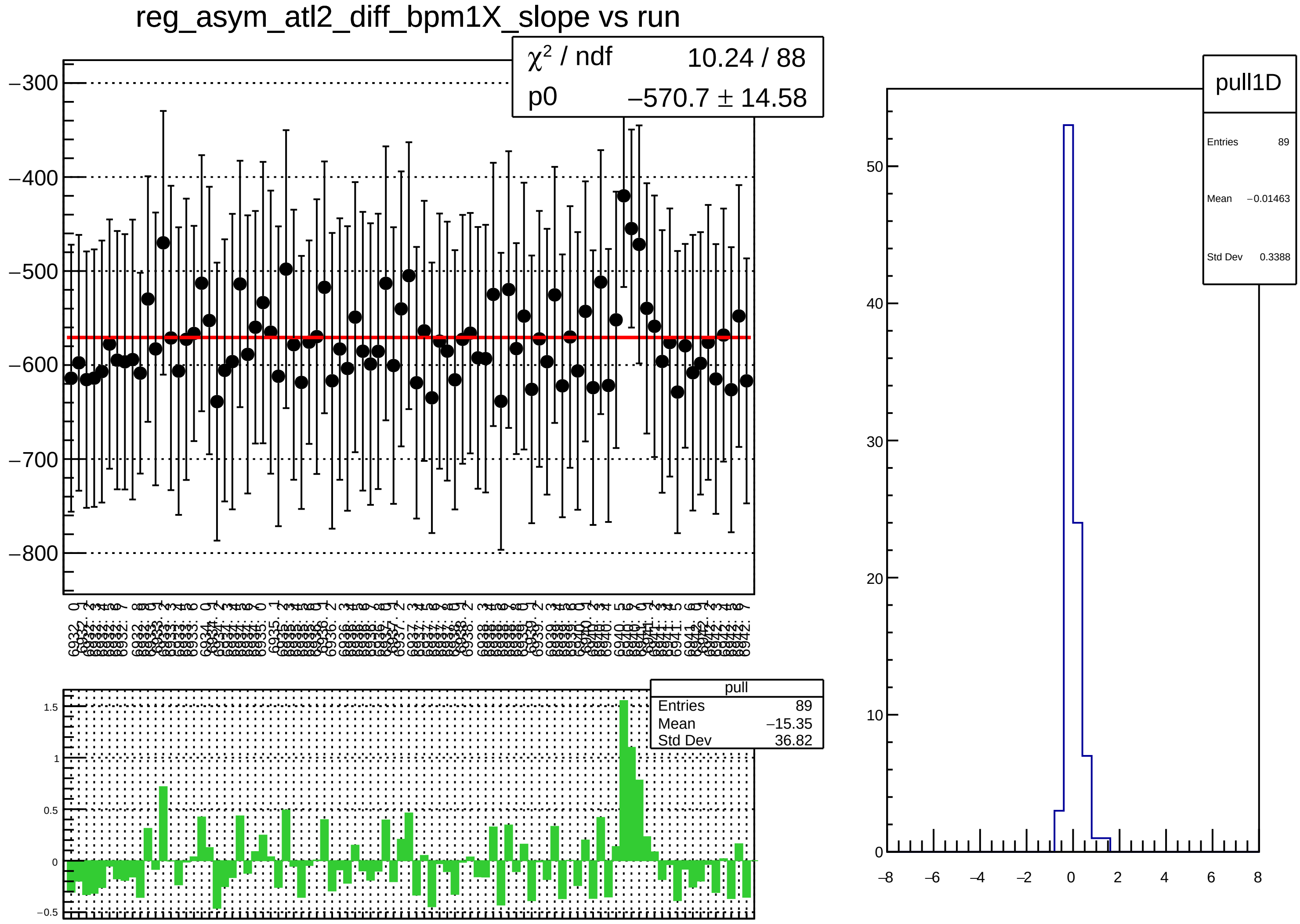

reg_asym_atl1_diff_bpm4eX_slope vs run
χ2 / ndf 67.48 / 88
p0 61.77 ± 2.839
pull
Entries 89
Mean 104
Std Dev 51.91
pull1D
Entries 89
Mean −0.01304
Std Dev 0.8707



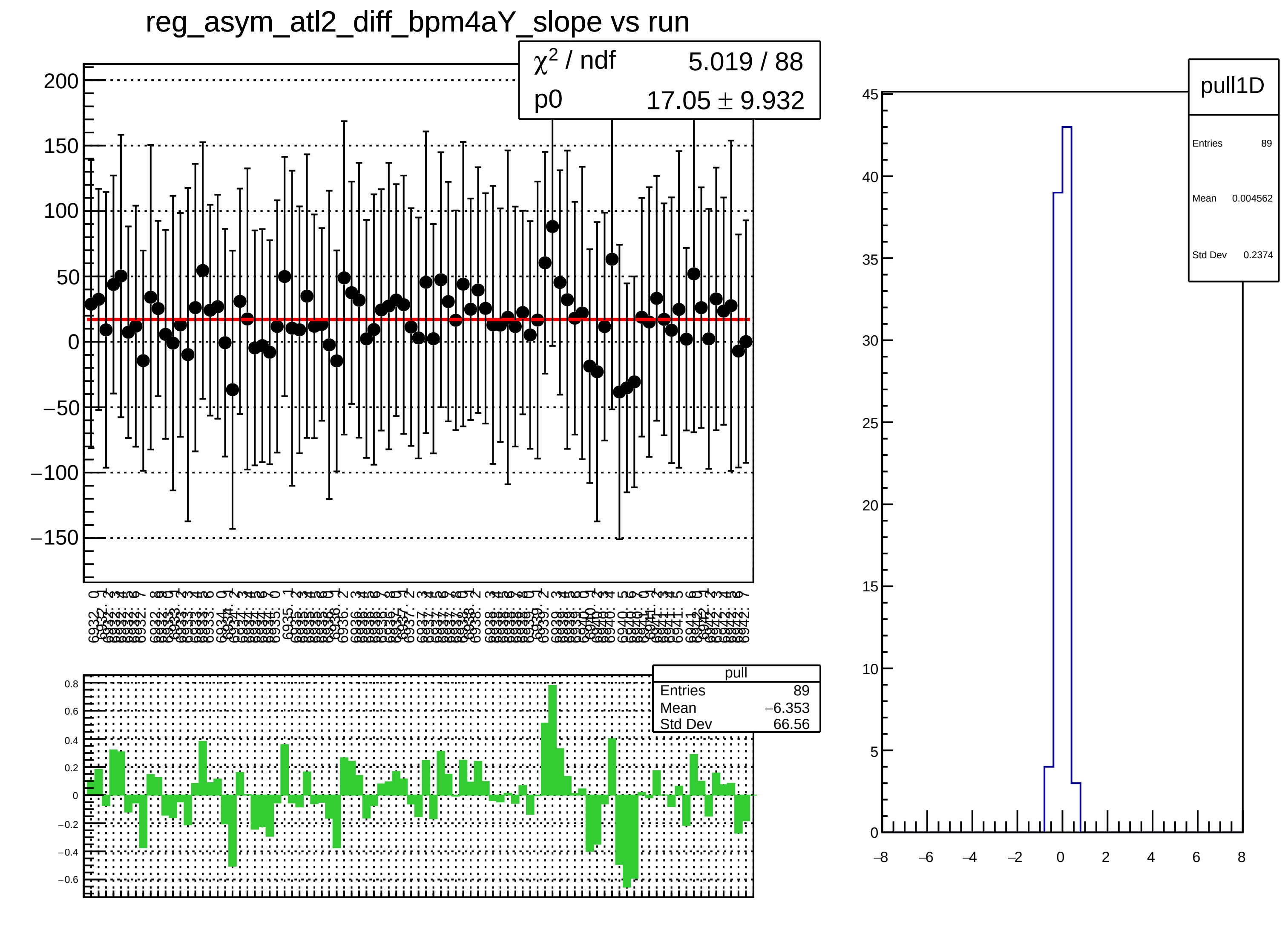
reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 92.93 / 88
p0 1.587 ± 2.416
pull
Entries 89
Mean −45.62
Std Dev 91.92
pull1D
Entries 89
Mean 0.01913
Std Dev 1.022

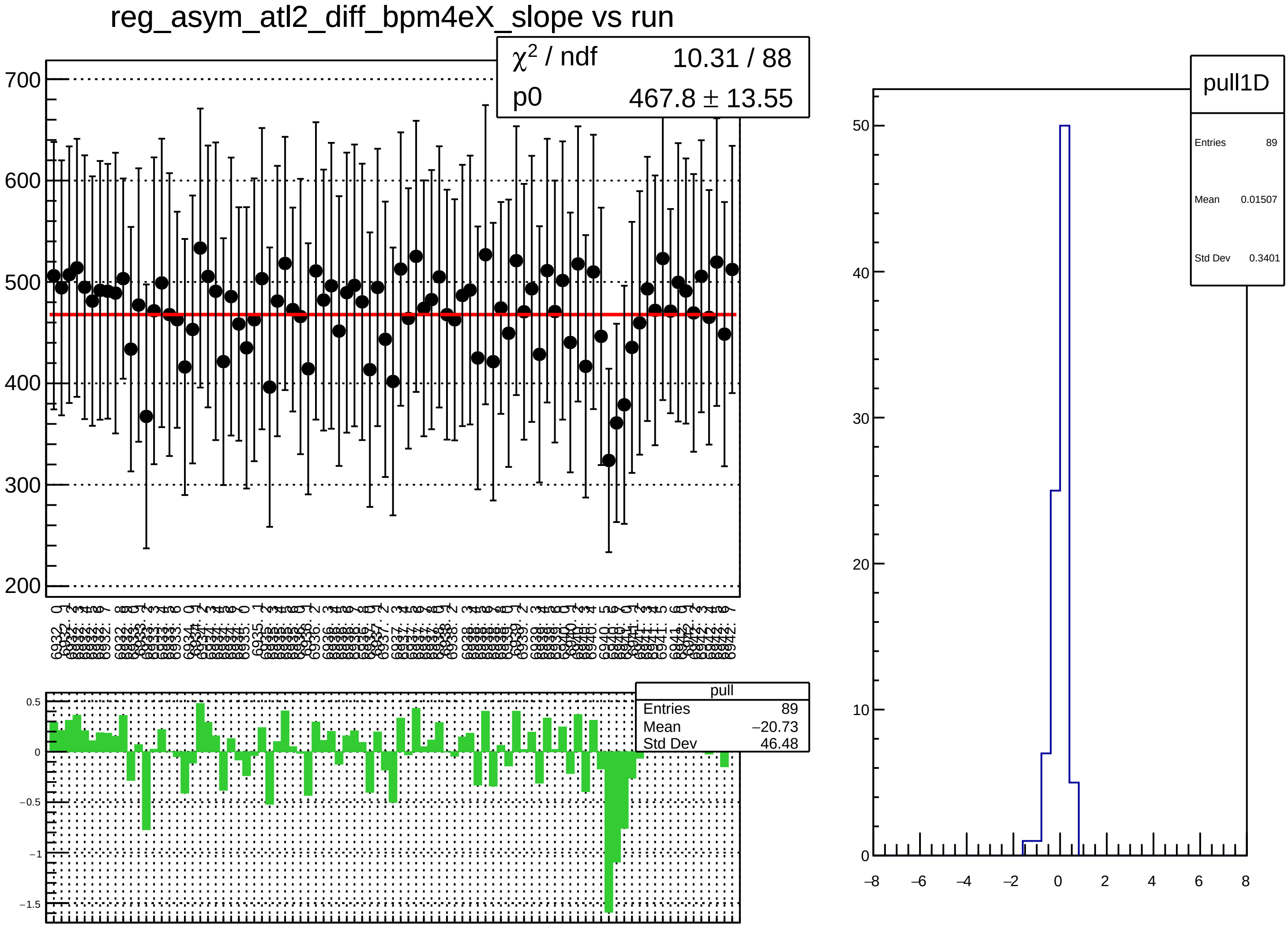


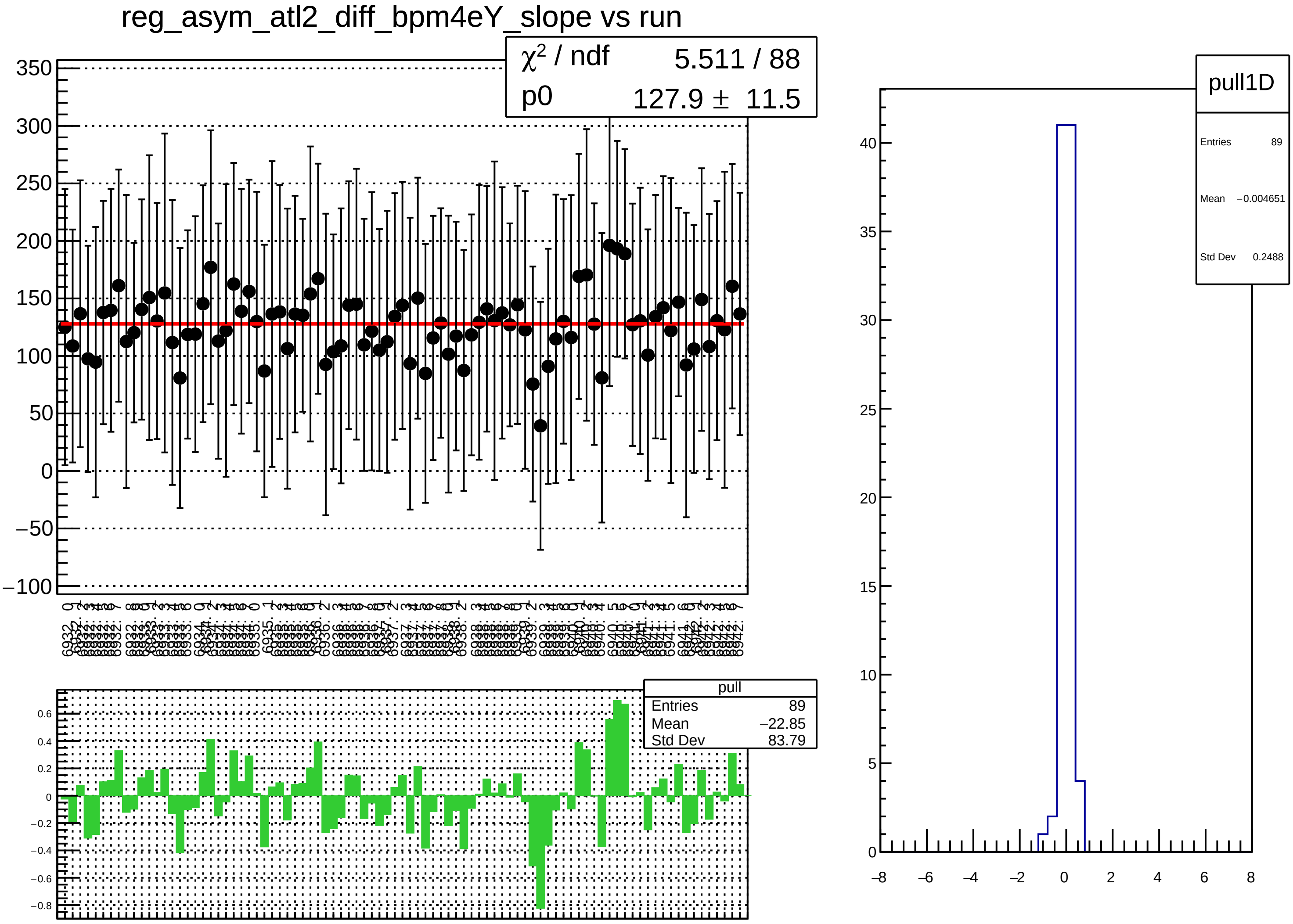
reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 194.7 / 88
p0 −22.66 ± 0.09935
pull
Entries 89
Mean 125.9
Std Dev 93.45
pull1D
Entries 89
Mean 0.008192
Std Dev 1.479



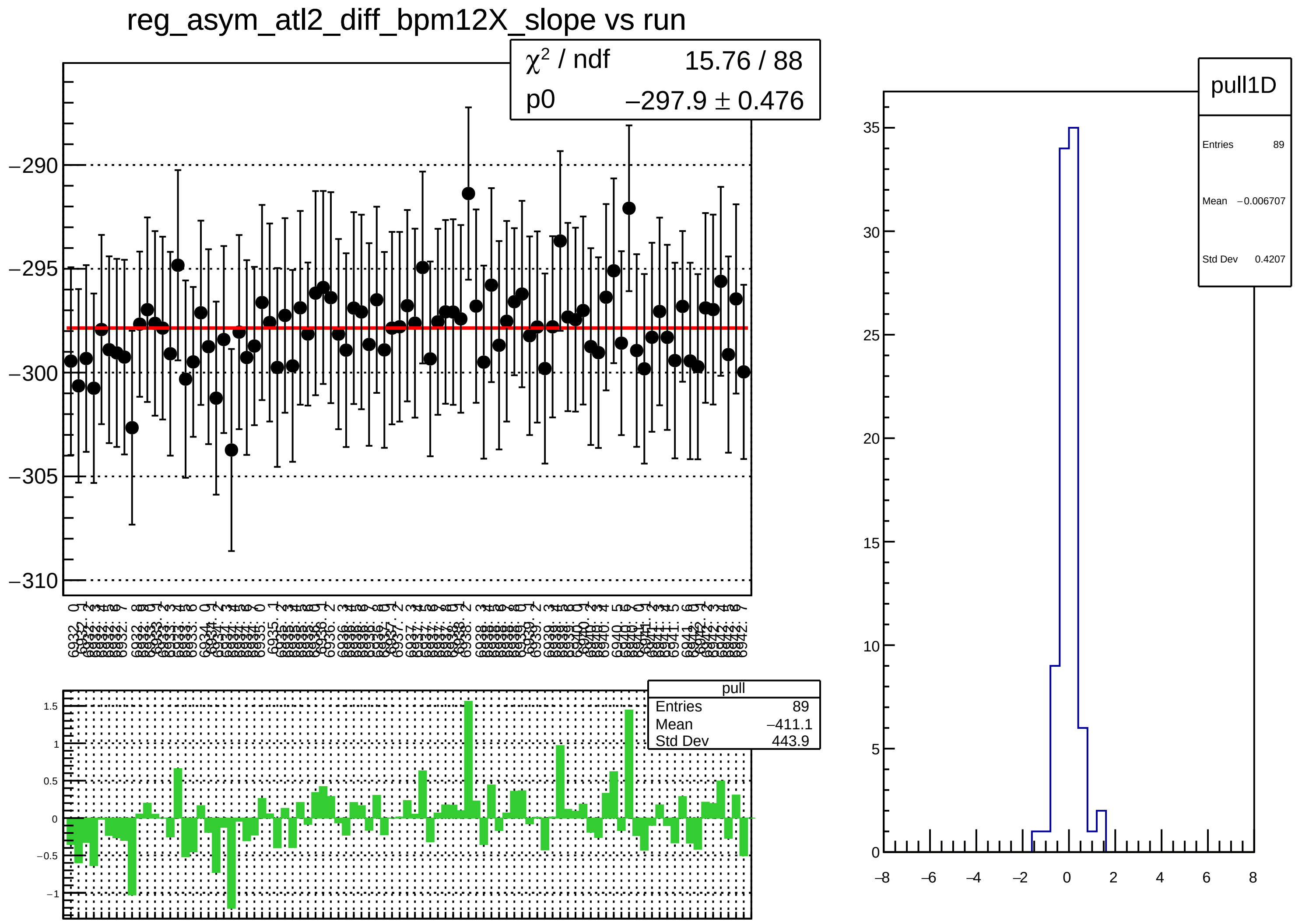
reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 10.24 / 88
p0 −570.7 ± 14.58
pull
Entries 89
Mean −15.35
Std Dev 36.82
pull1D
Entries 89
Mean −0.01463
Std Dev 0.3388


reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.019 / 88
p0 17.05 ± 9.932
pull
Entries 89
Mean −6.353
Std Dev 66.56
pull1D
Entries 89
Mean 0.004562
Std Dev 0.2374

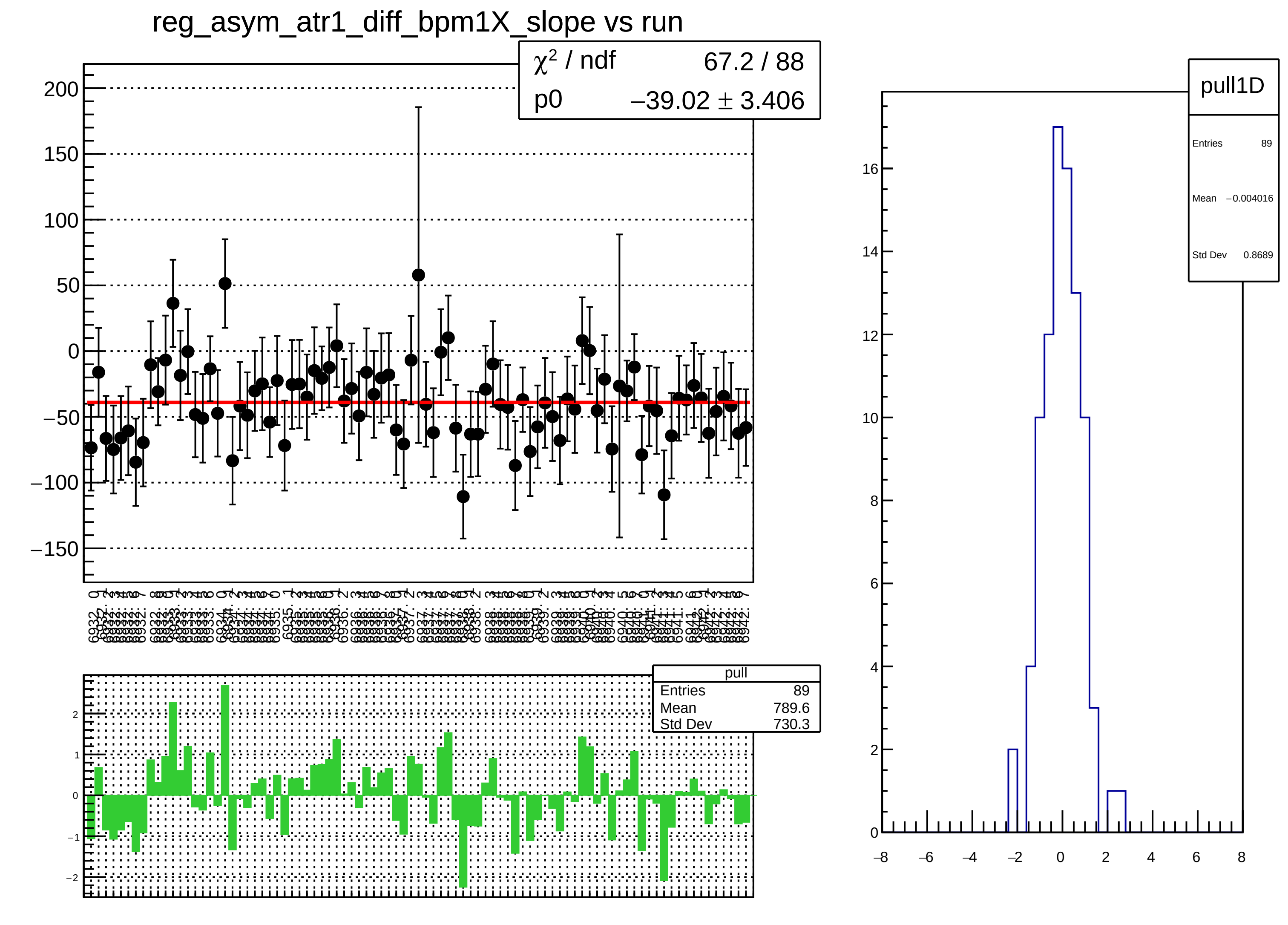

reg_asym_atl2_diff_bpm4eX_slope vs run
χ2 / ndf 10.31 / 88
p0 467.8 ± 13.55
700
600
500
400
300
200
pull
Entries 89
Mean −20.73
Std Dev 46.48
0.5
0
−0.5
−1
−1.5
pull1D
Entries 89
Mean 0.01507
Std Dev 0.3401
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



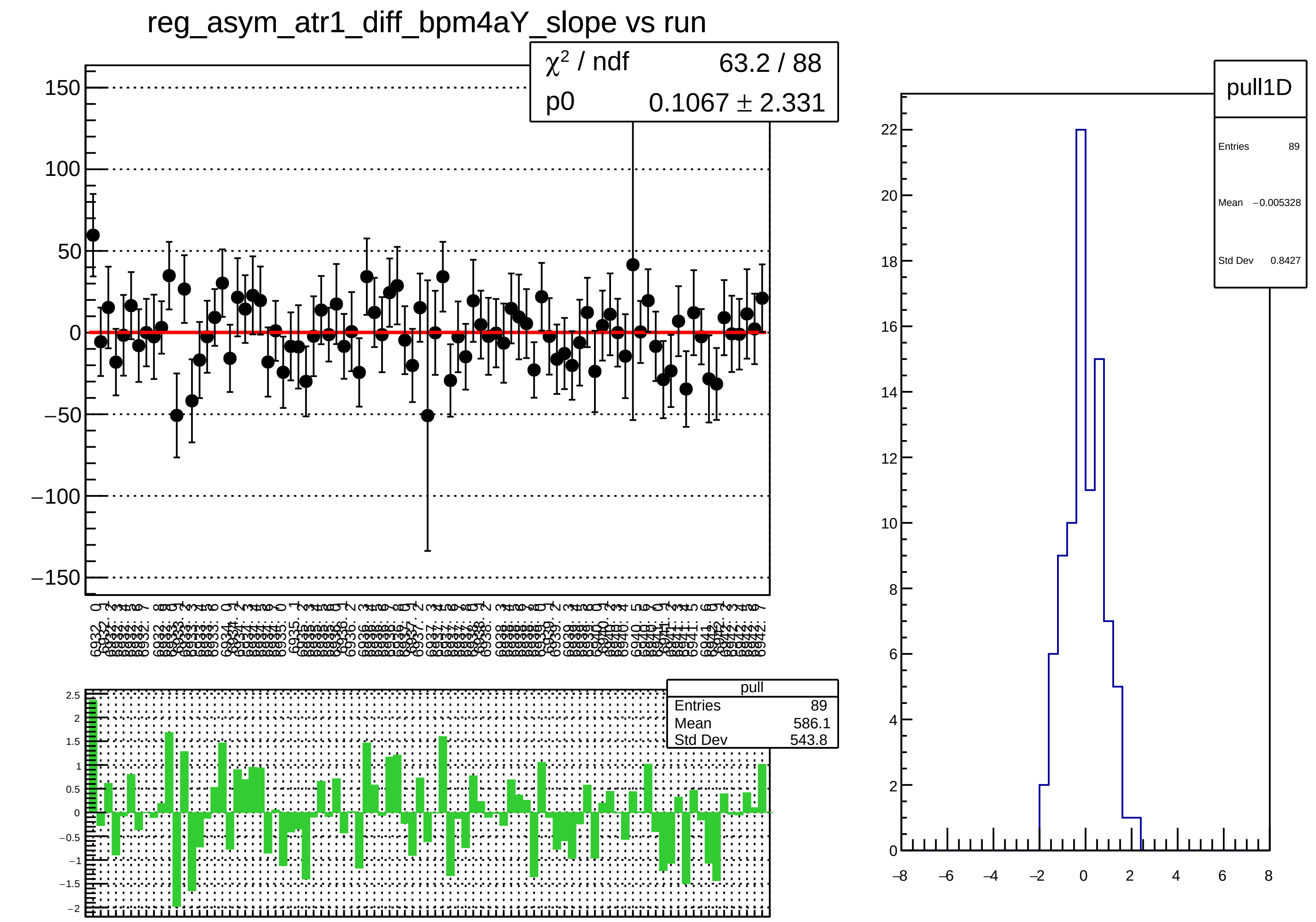
reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 5.511 / 88
p0 127.9 ± 11.5
pull
Entries 89
Mean −22.85
Std Dev 83.79
pull1D
Entries 89
Mean −0.004651
Std Dev 0.2488

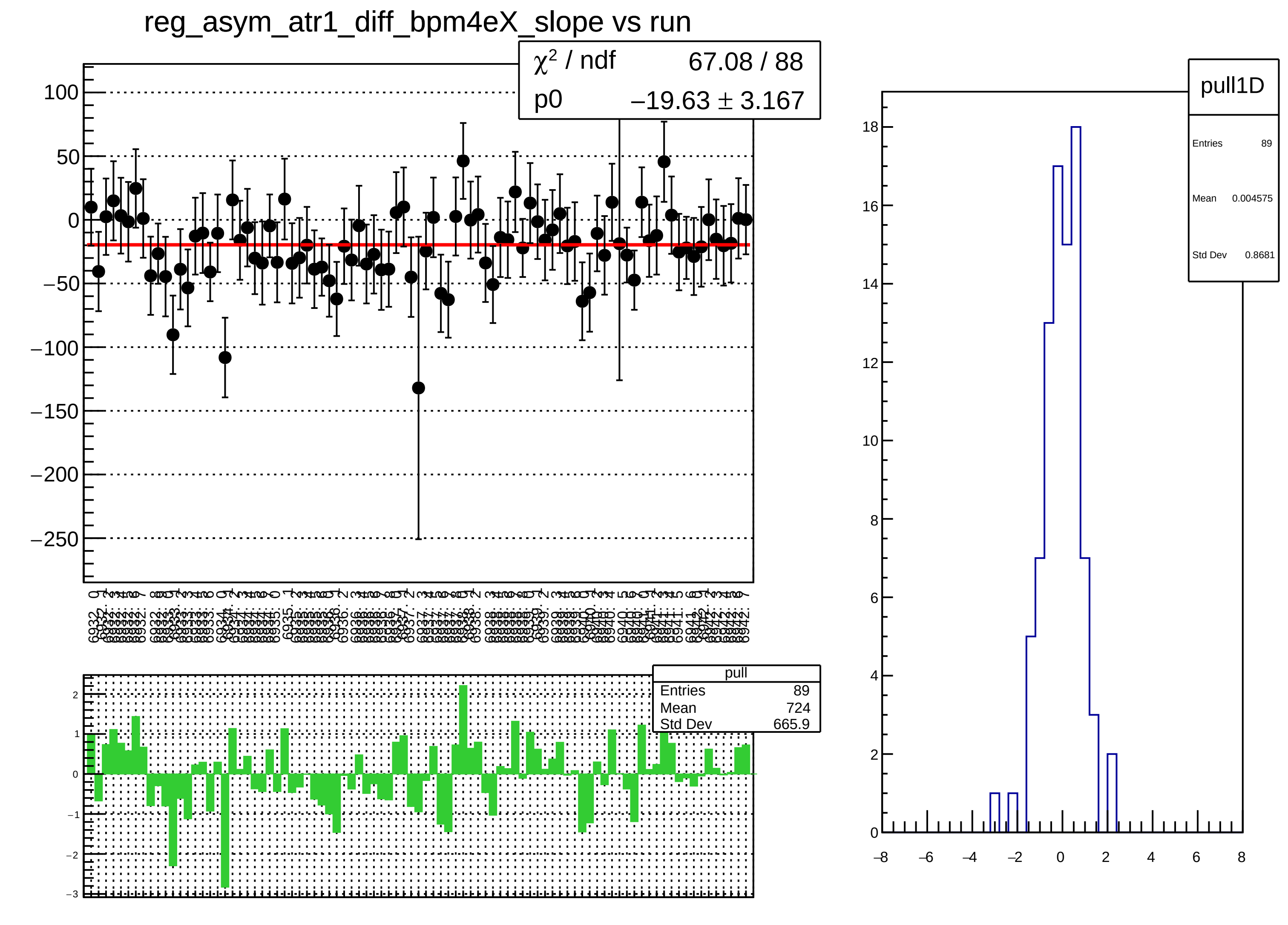


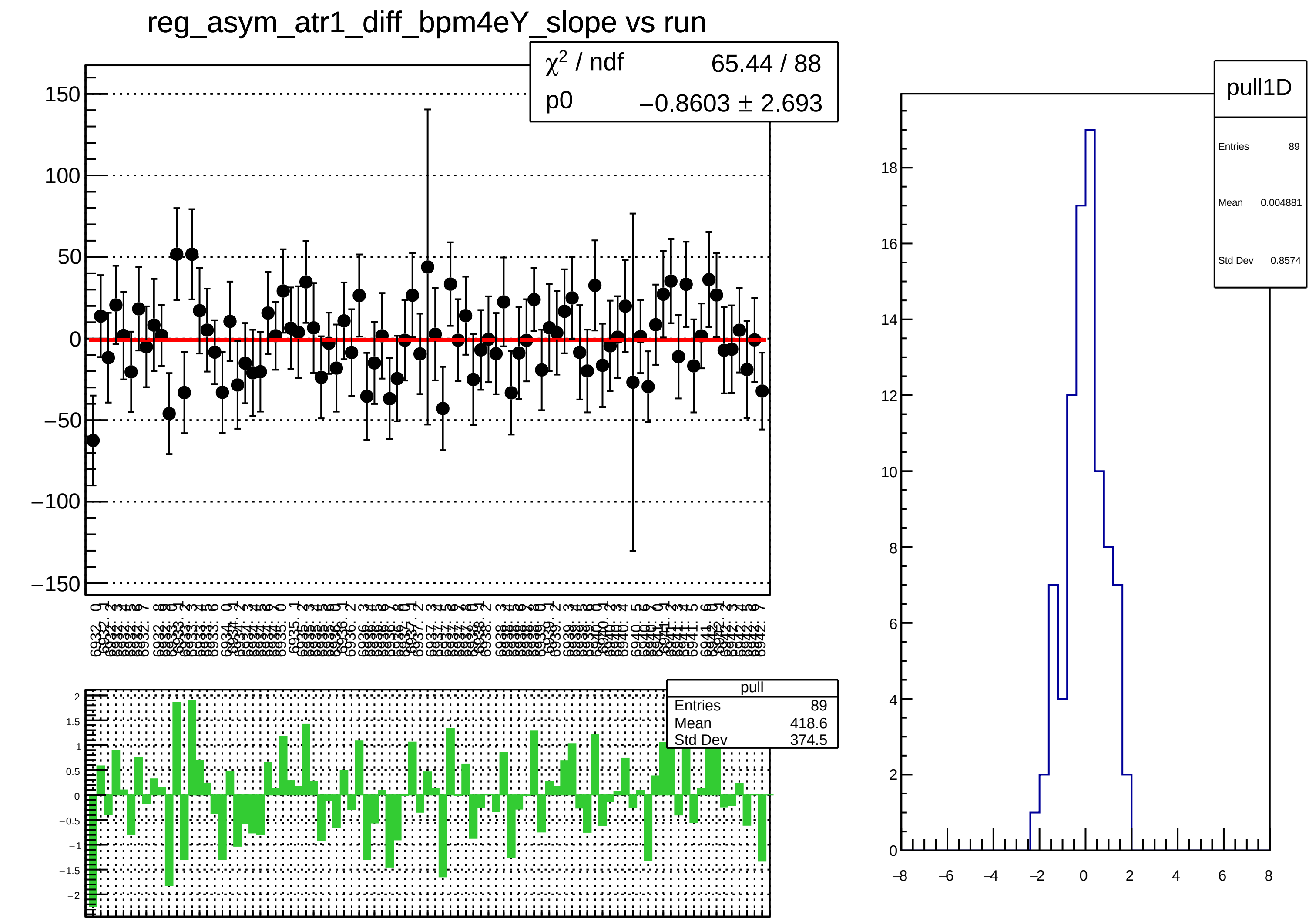
reg_asym_atl2_diff_bpm12X_slope vs run
χ2 / ndf 15.76 / 88
p0 −297.9 ± 0.476
pull
Entries 89
Mean −411.1
Std Dev 443.9
pull1D
Entries 89
Mean −0.006707
Std Dev 0.4207



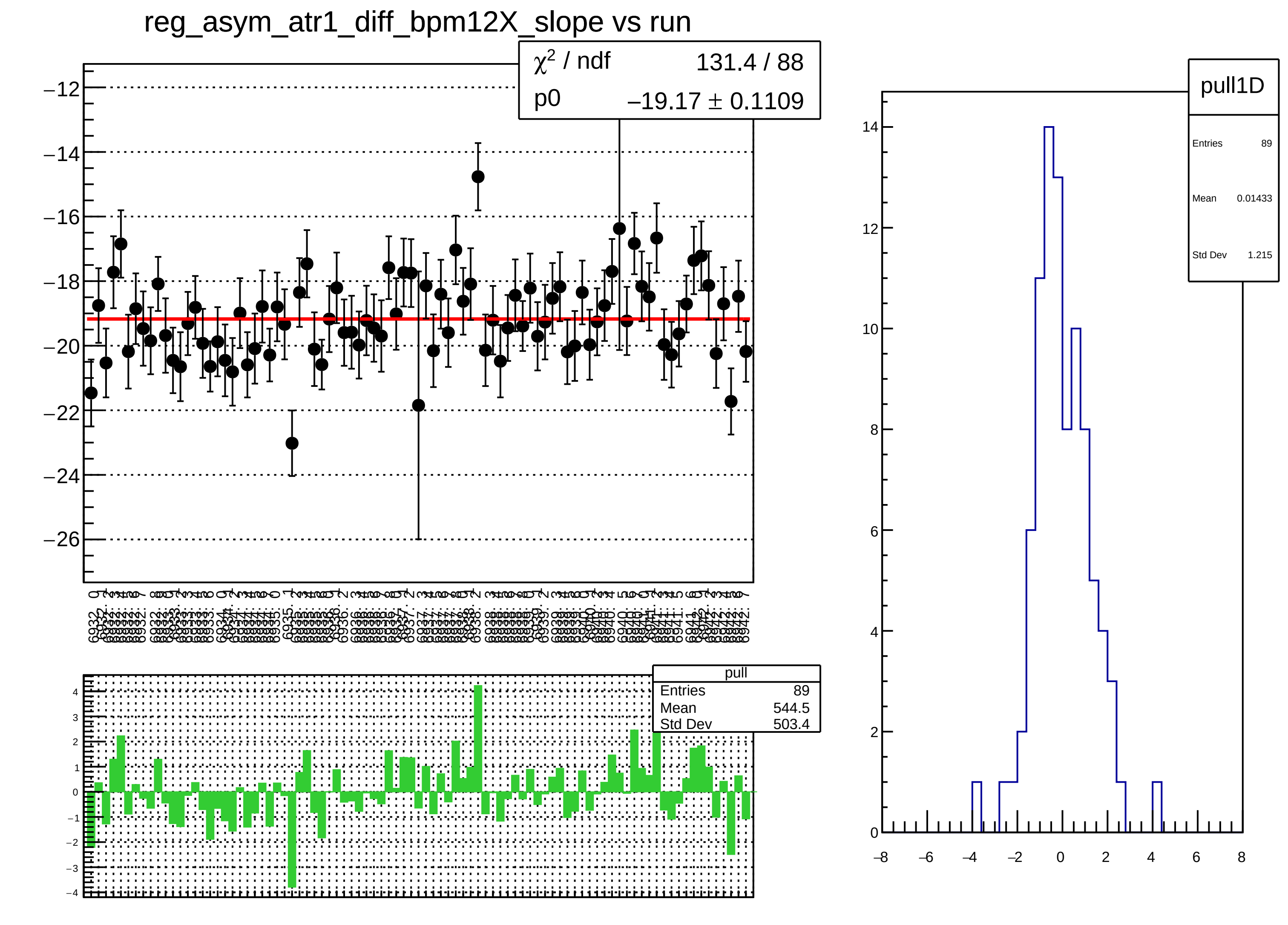
reg_asym_atr1_diff_bpm1X_slope vs run
χ2 / ndf 67.2 / 88
p0 −39.02 ± 3.406
pull
Entries 89
Mean 789.6
Std Dev 730.3
pull1D
Entries 89
Mean −0.004016
Std Dev 0.8689

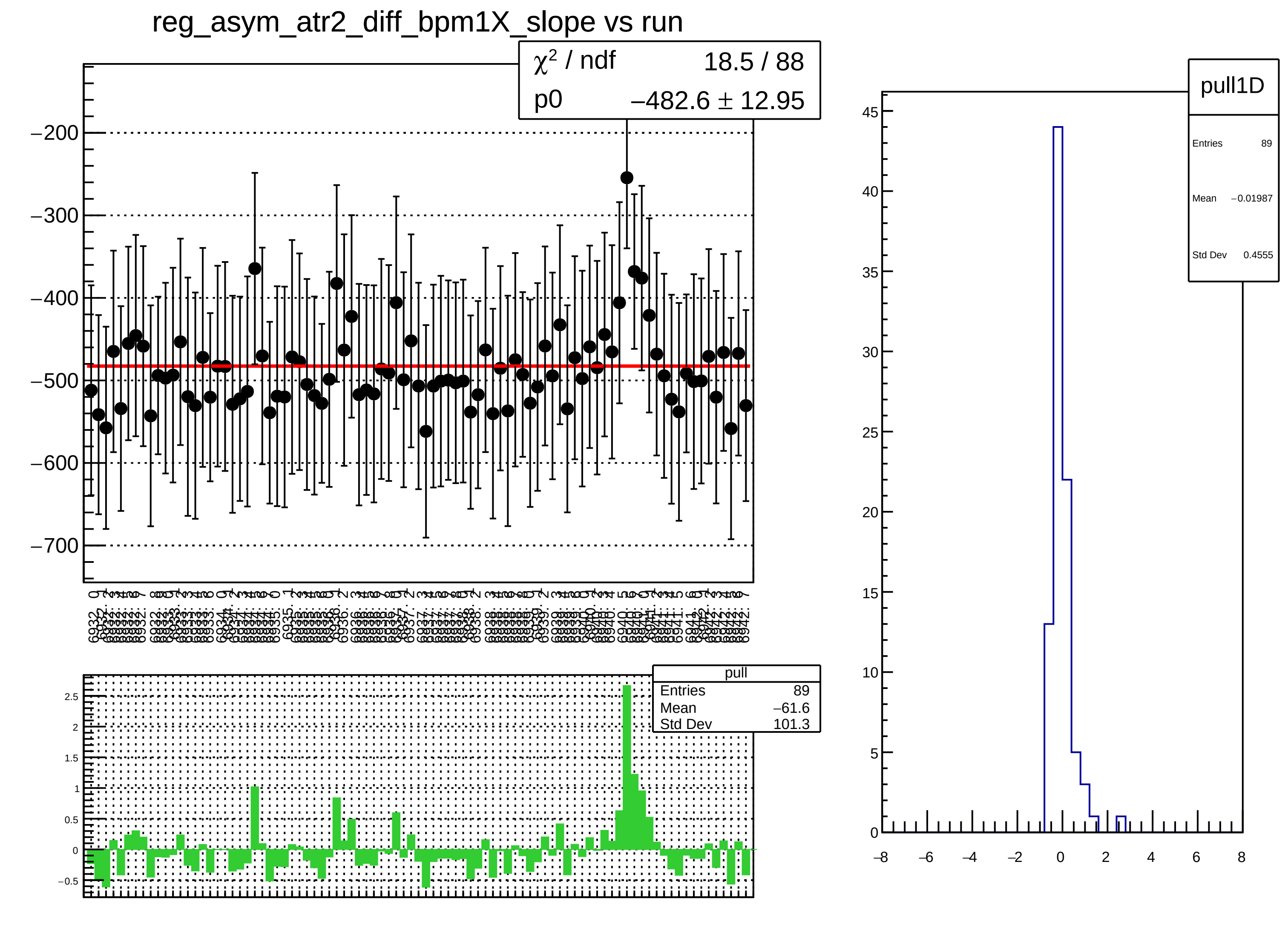

reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 63.2 / 88
p0 0.1067 ± 2.331
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 586.1
Std Dev 543.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.005328
Std Dev 0.8427
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

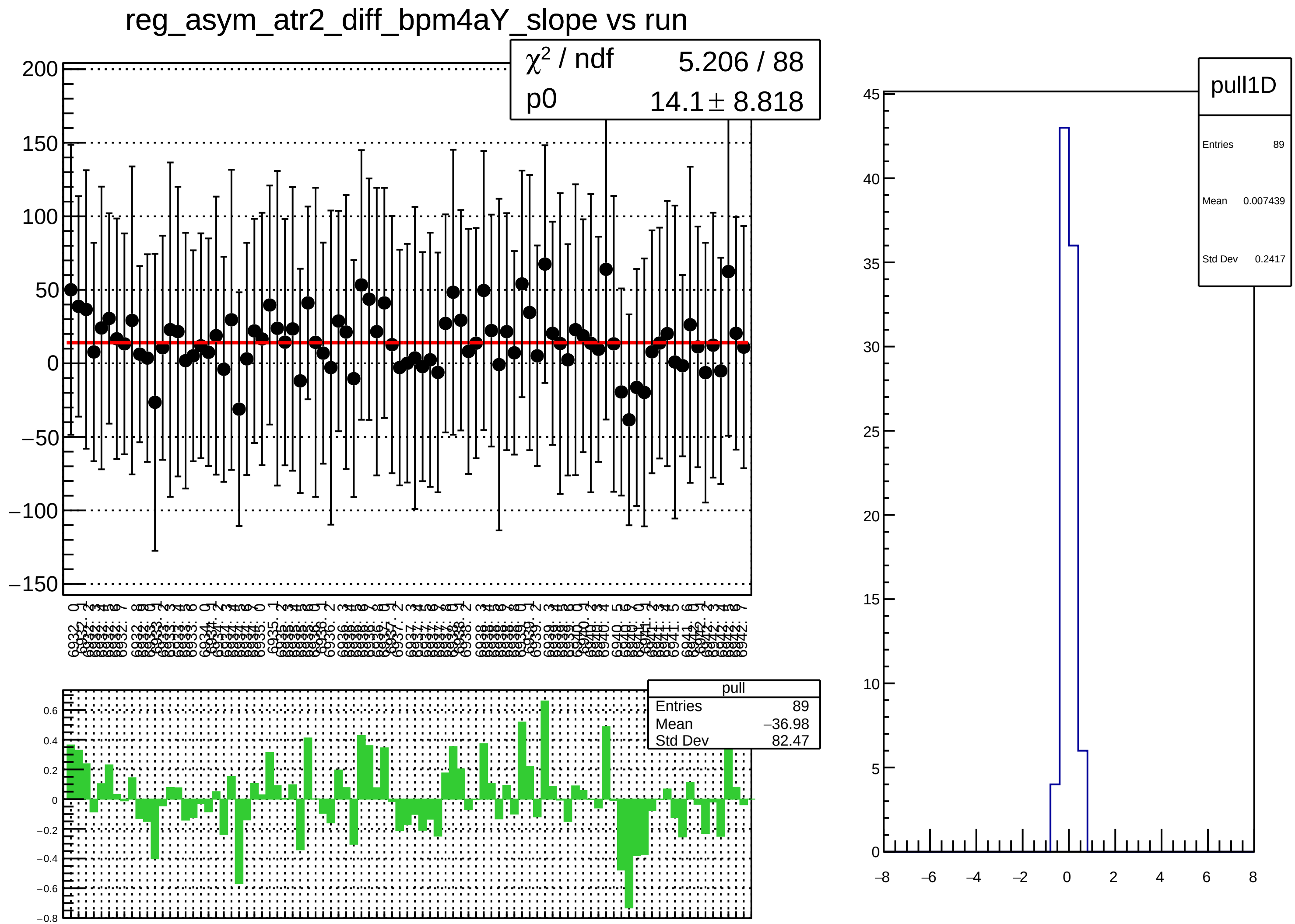

reg_asym_atr1_diff_bpm4eX_slope vs run
χ2 / ndf 67.08 / 88
p0 −19.63 ± 3.167
pull
Entries 89
Mean 724
Std Dev 665.9
pull1D
Entries 89
Mean 0.004575
Std Dev 0.8681



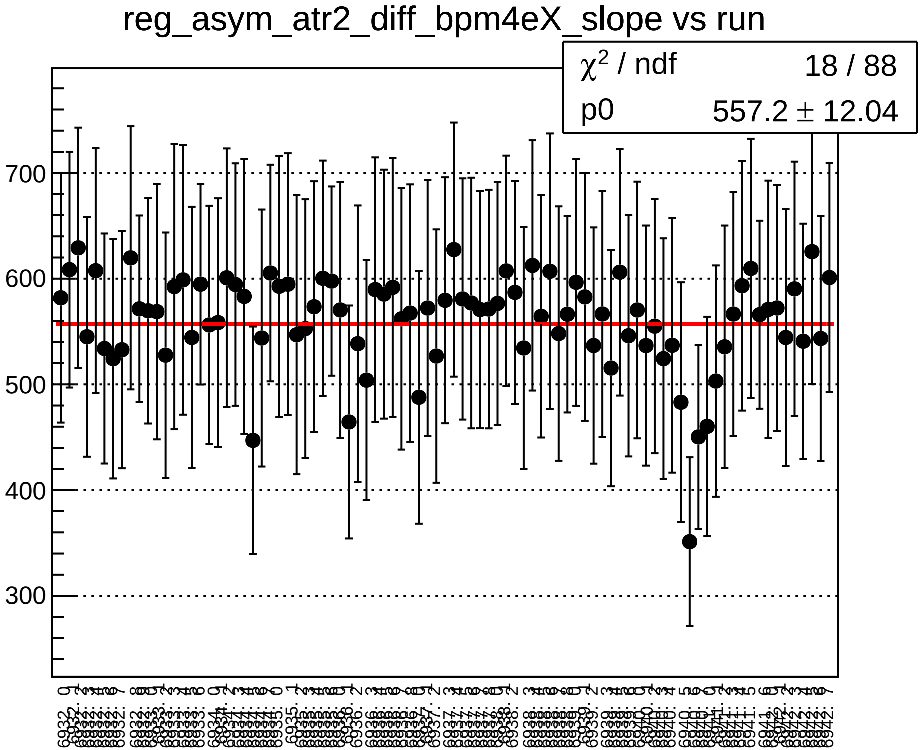
reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 65.44 / 88
p0 −0.8603 ± 2.693
pull
Entries 89
Mean 418.6
Std Dev 374.5
pull1D
Entries 89
Mean 0.004881
Std Dev 0.8574


reg_asym_atr1_diff_bpm12X_slope vs run
χ2 / ndf 131.4 / 88
p0 −19.17 ± 0.1109
pull
Entries 89
Mean 544.5
Std Dev 503.4
pull1D
Entries 89
Mean 0.01433
Std Dev 1.215

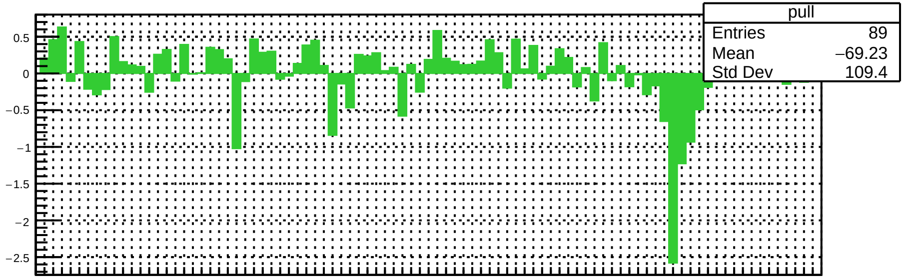

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 18.5 / 88
p0 −482.6 ± 12.95
pull
Entries 89
Mean −61.6
Std Dev 101.3
pull1D
Entries 89
Mean −0.01987
Std Dev 0.4555



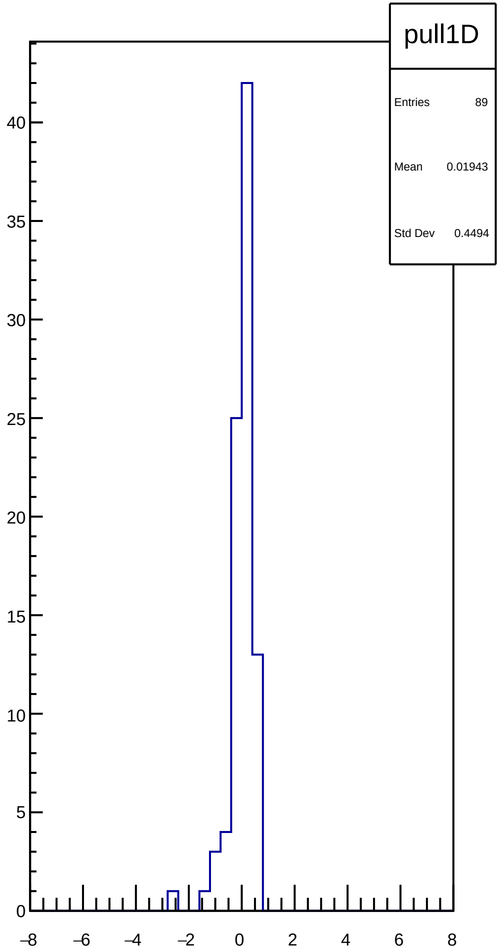
reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 5.206 / 88
p0 14.1 ± 8.818
pull
Entries 89
Mean −36.98
Std Dev 82.47
pull1D
Entries 89
Mean 0.007439
Std Dev 0.2417



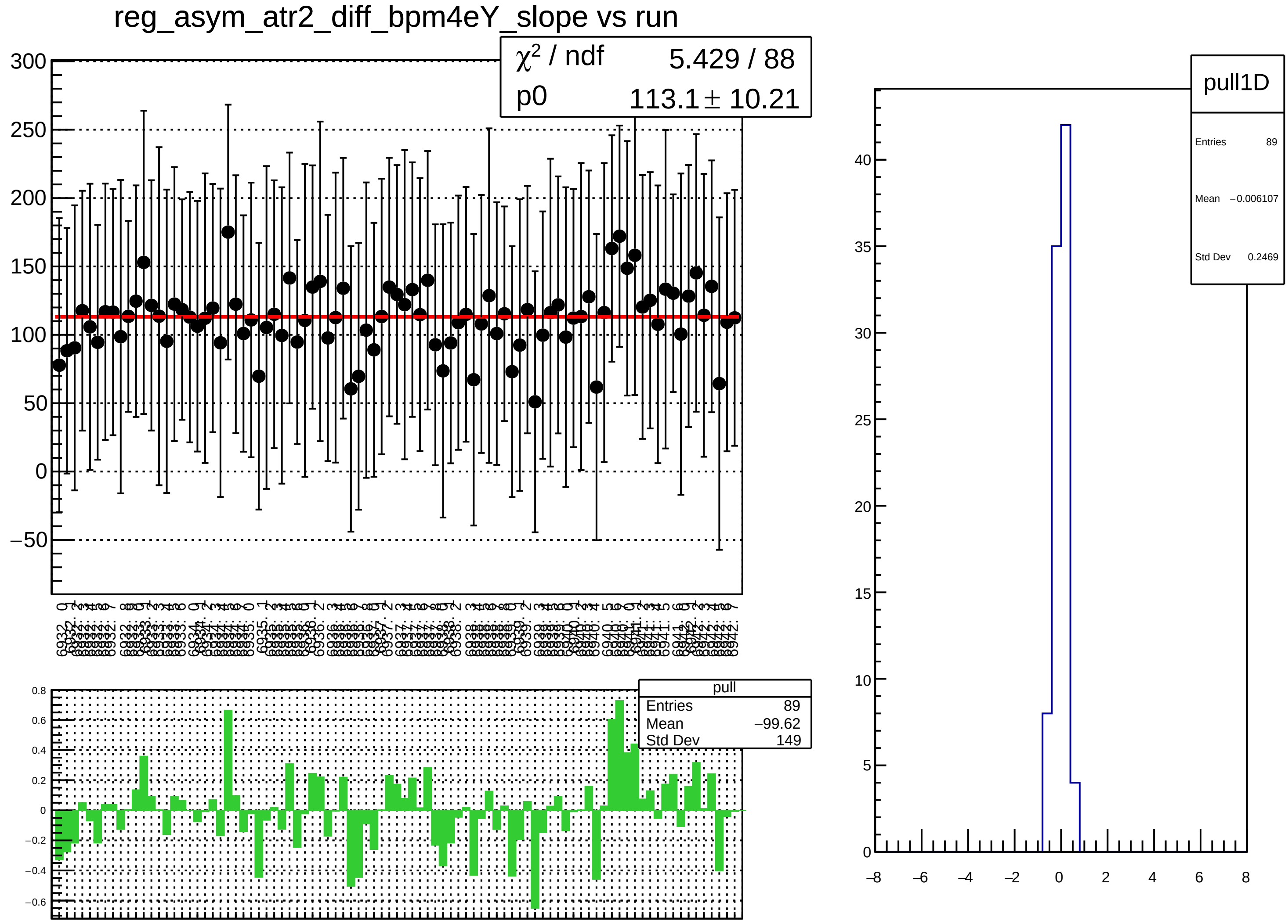
reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 18 / 88
p0 557.2 ± 12.04
700
600
500
400
300

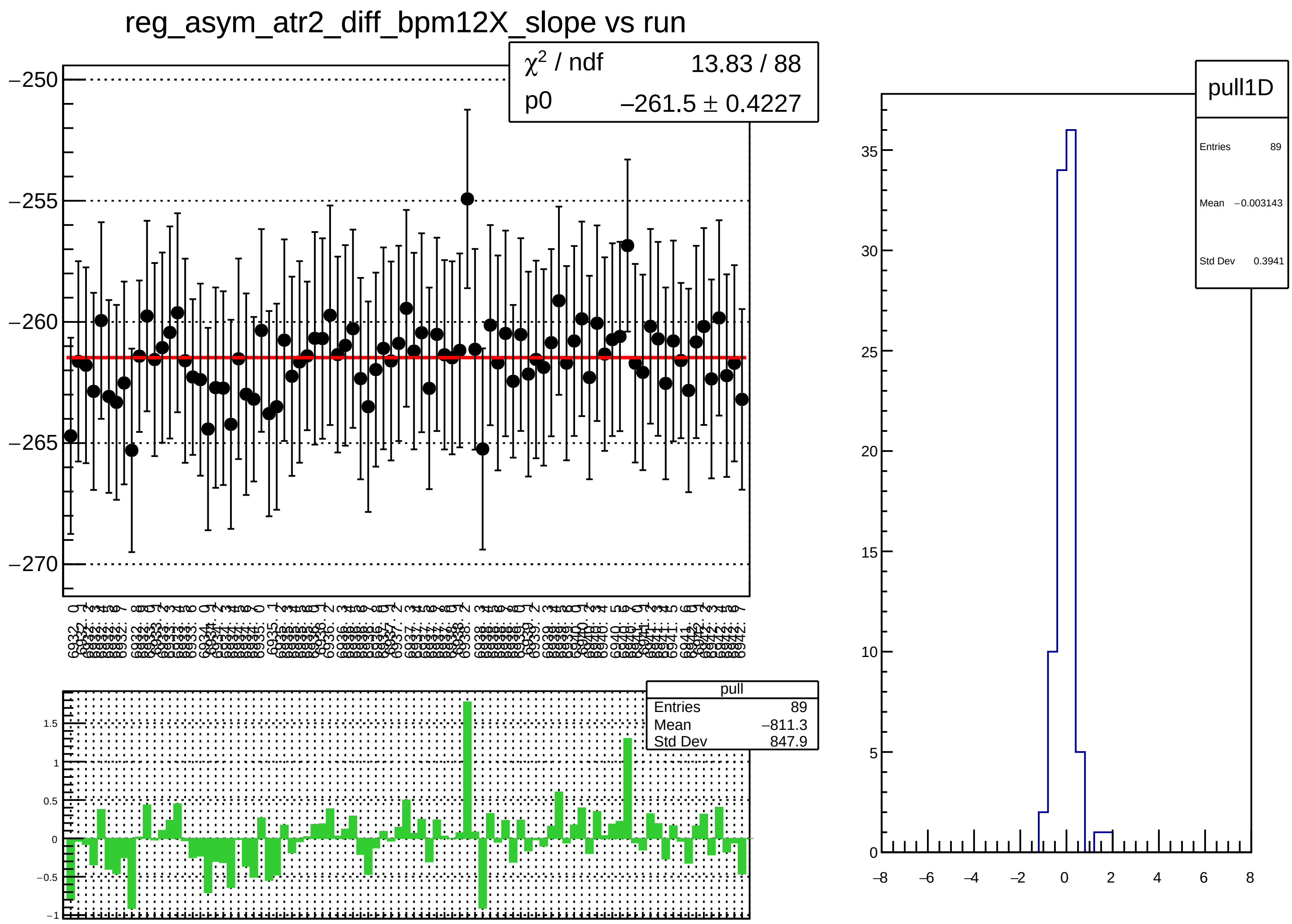


pull
Entries 89
Mean −69.23
Std Dev 109.4
0.5
0
−0.5
−1
−1.5
−2
−2.5

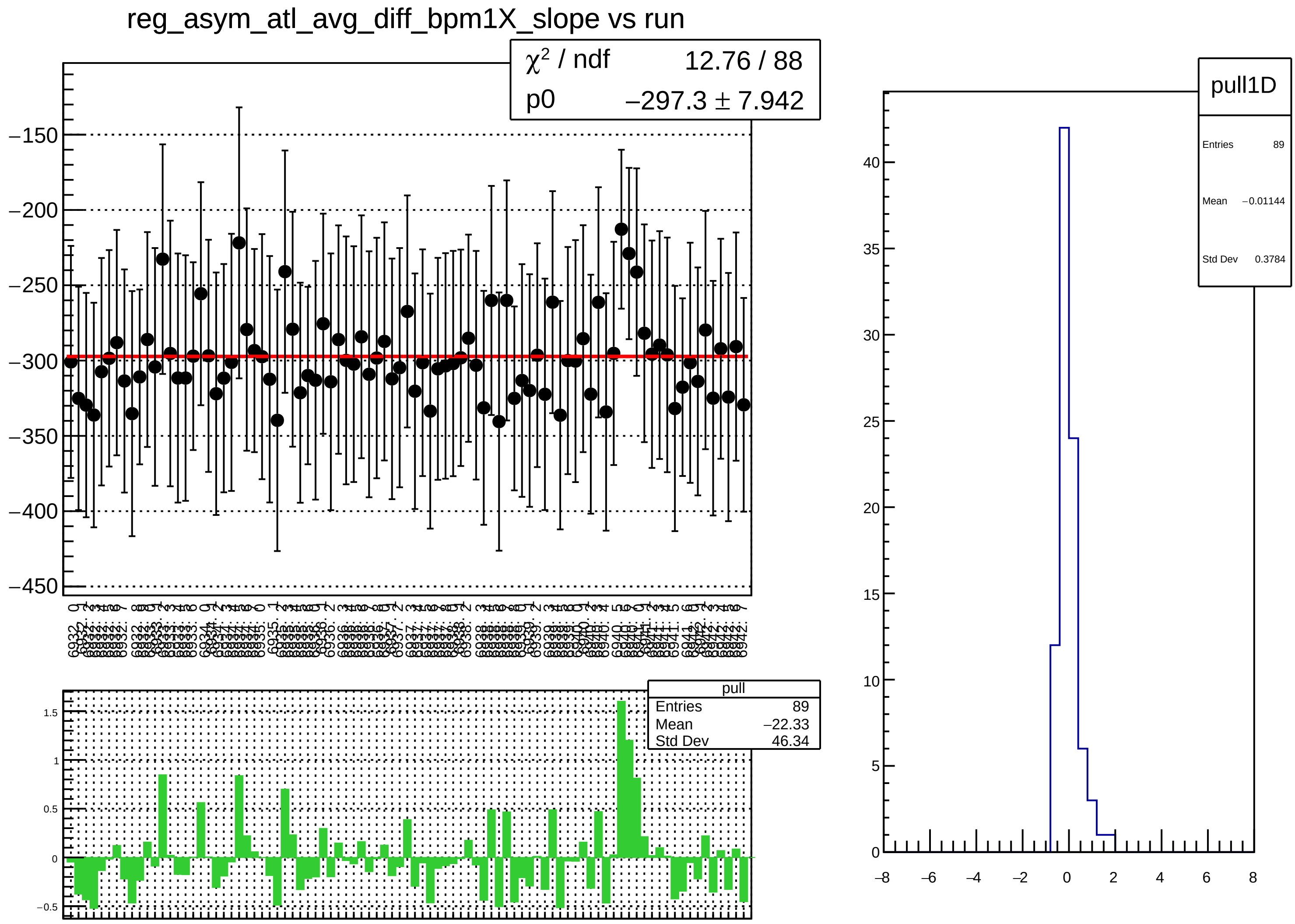


pull1D
Entries 89
Mean 0.01943
Std Dev 0.4494
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

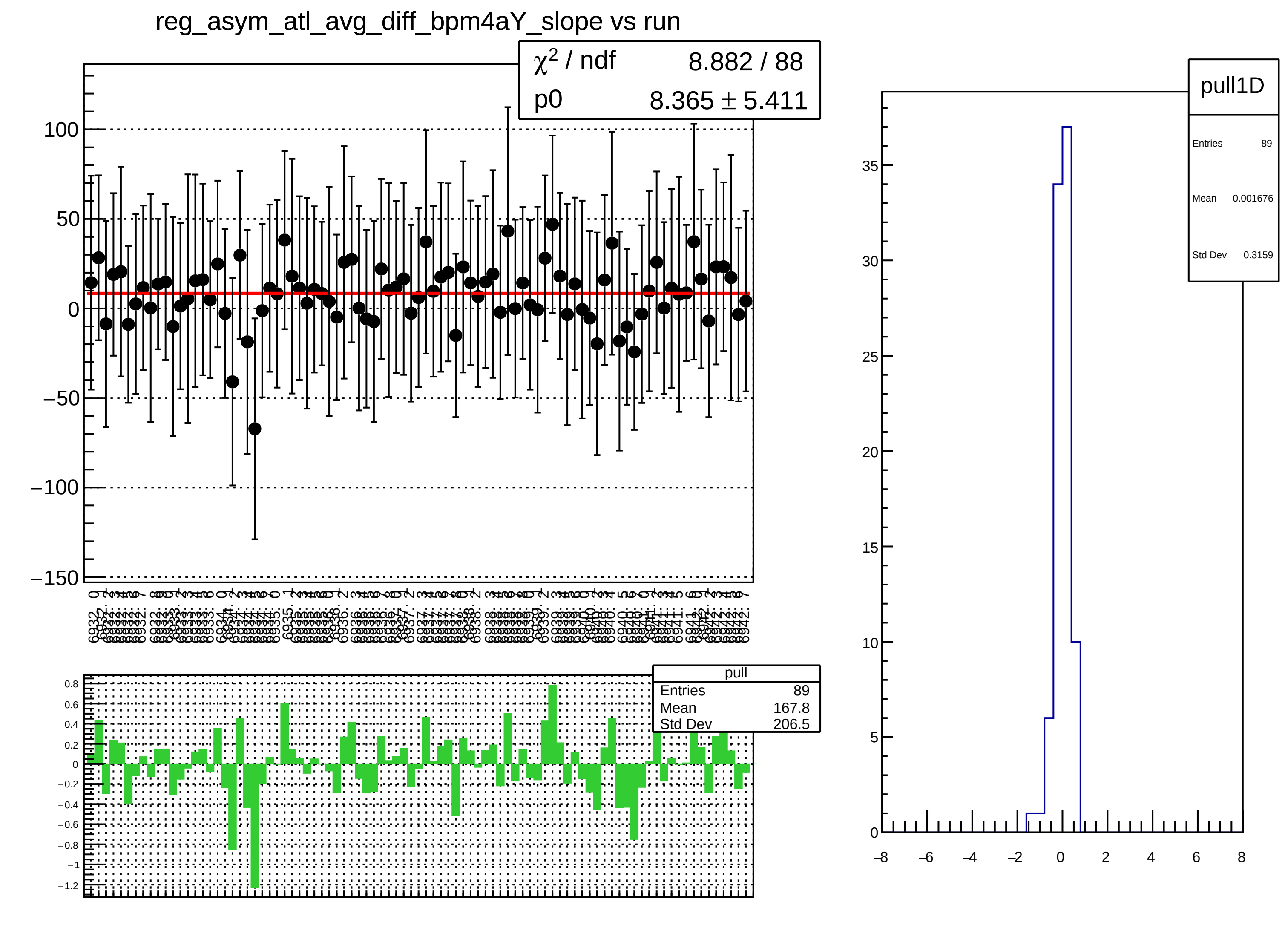

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 5.429 / 88
p0 113.1 ± 10.21
pull
Entries 89
Mean −99.62
Std Dev 149
pull1D
Entries 89
Mean −0.006107
Std Dev 0.2469



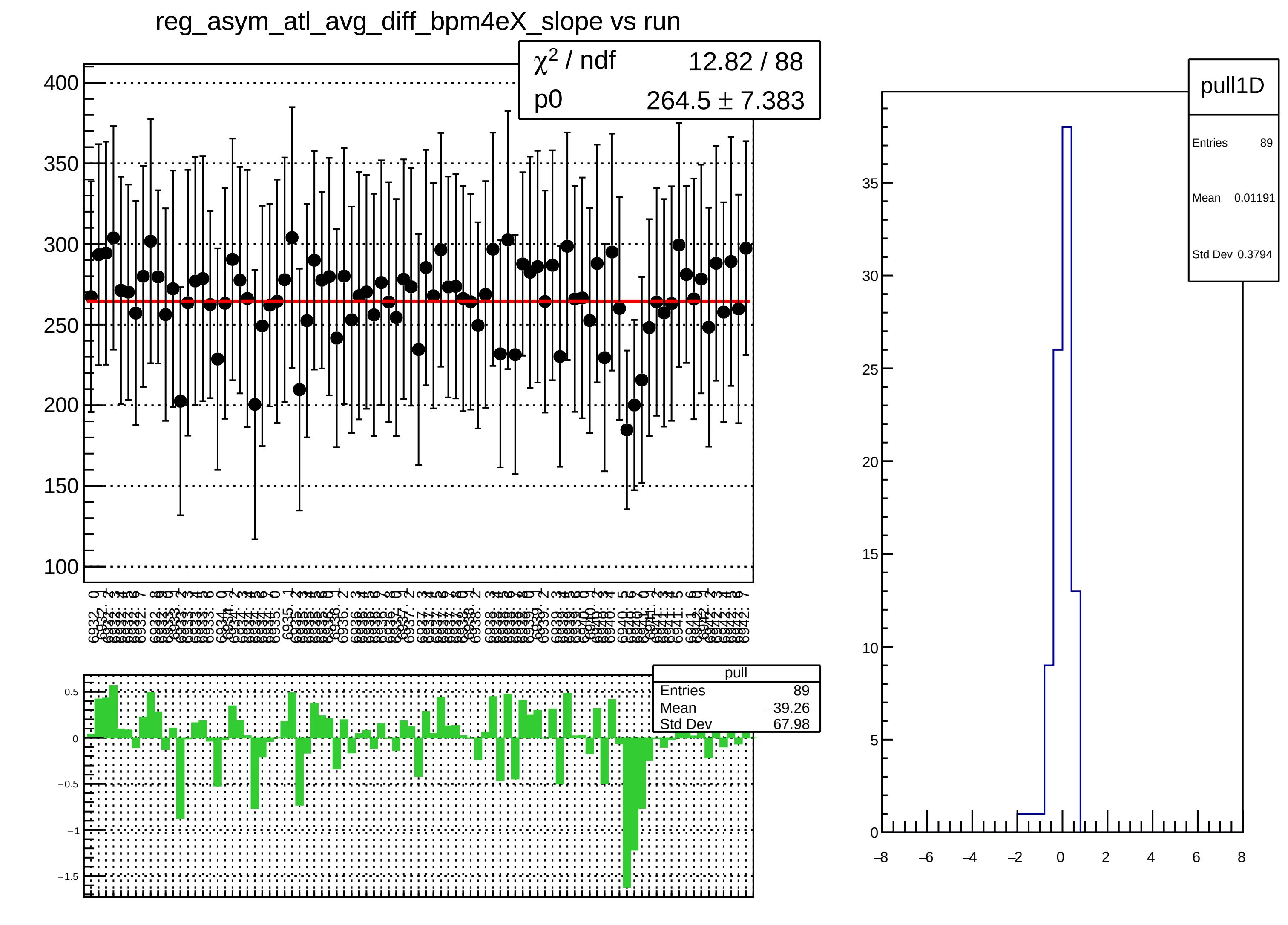
reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 13.83 / 88
p0 −261.5 ± 0.4227
pull
Entries 89
Mean −811.3
Std Dev 847.9
pull1D
Entries 89
Mean −0.003143
Std Dev 0.3941



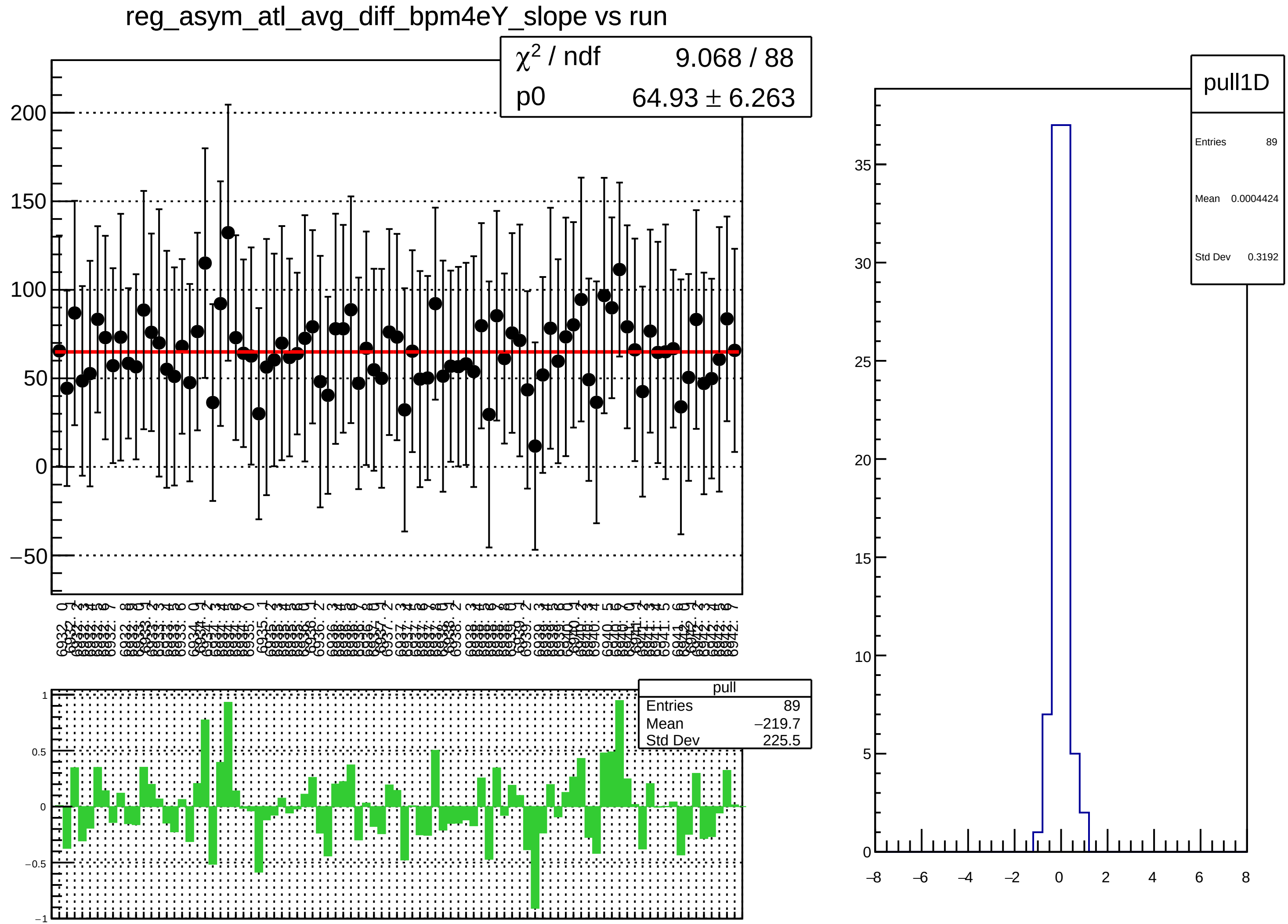
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.76 / 88
p0 −297.3 ± 7.942
pull
Entries 89
Mean −22.33
Std Dev 46.34
pull1D
Entries 89
Mean −0.01144
Std Dev 0.3784

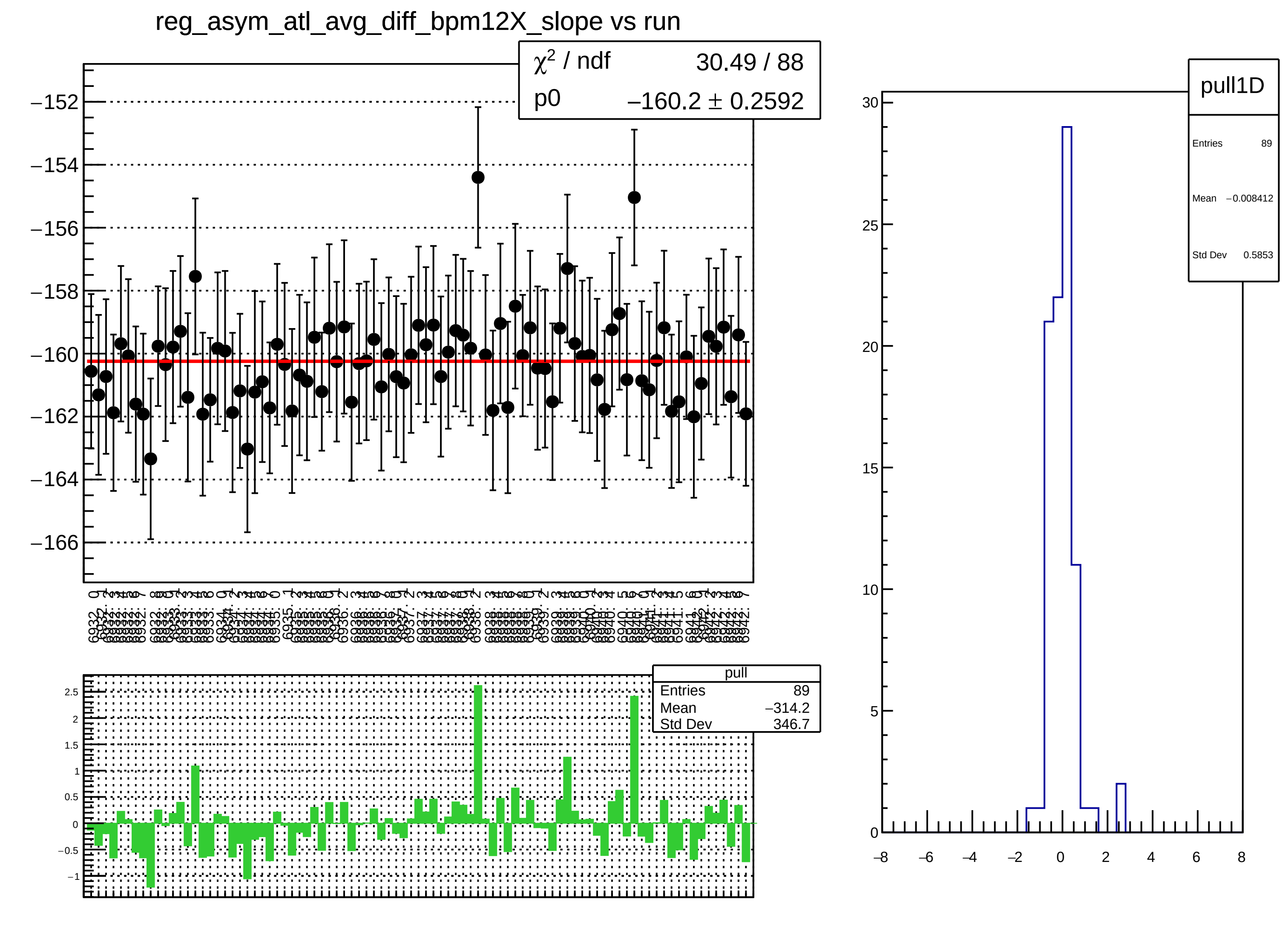


reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.882 / 88
p0 8.365 ± 5.411
pull
Entries 89
Mean −167.8
Std Dev 206.5
pull1D
Entries 89
Mean −0.001676
Std Dev 0.3159

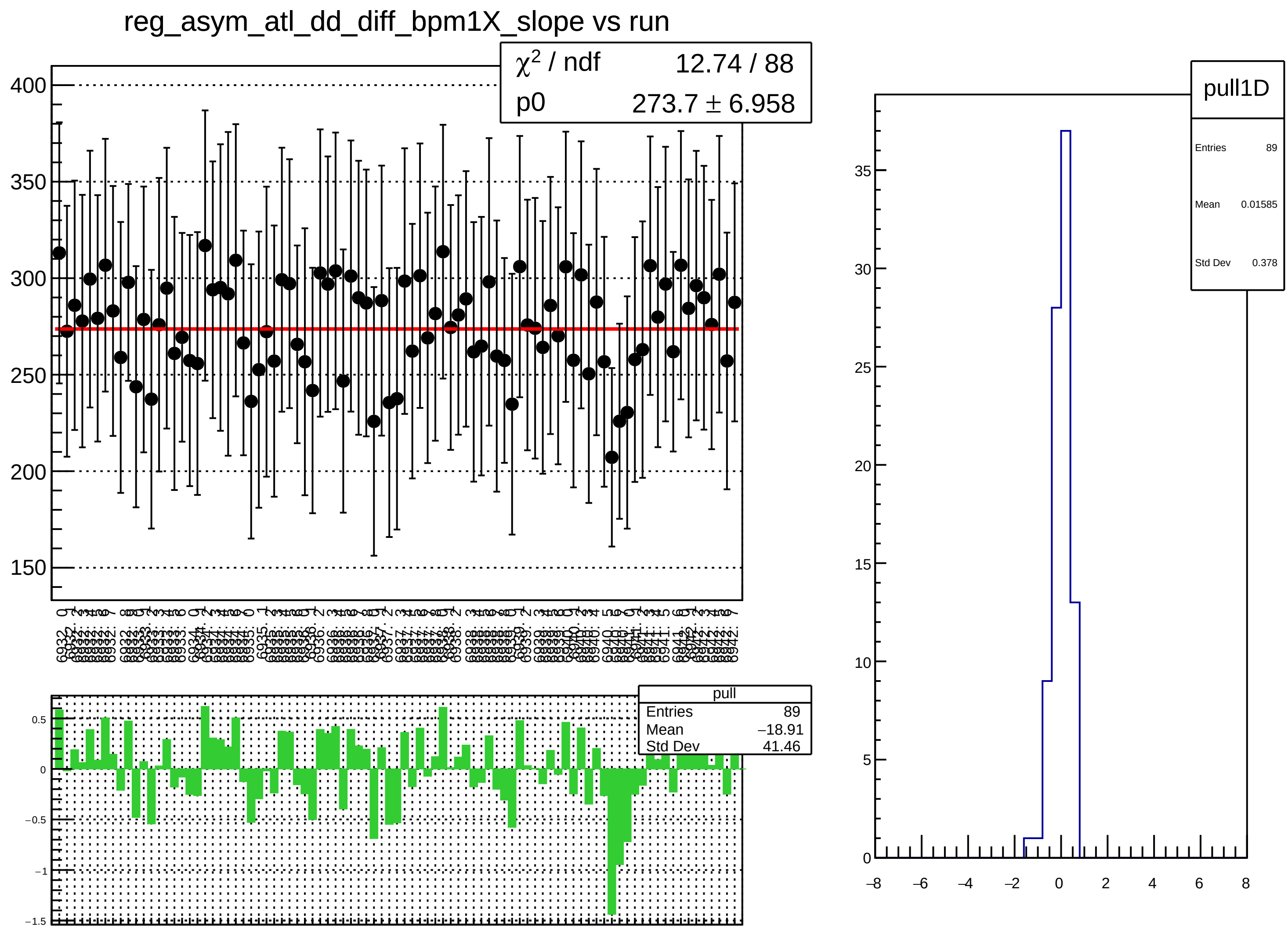


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.82 / 88
p0 264.5 ± 7.383
pull
Entries 89
Mean −39.26
Std Dev 67.98
pull1D
Entries 89
Mean 0.01191
Std Dev 0.3794

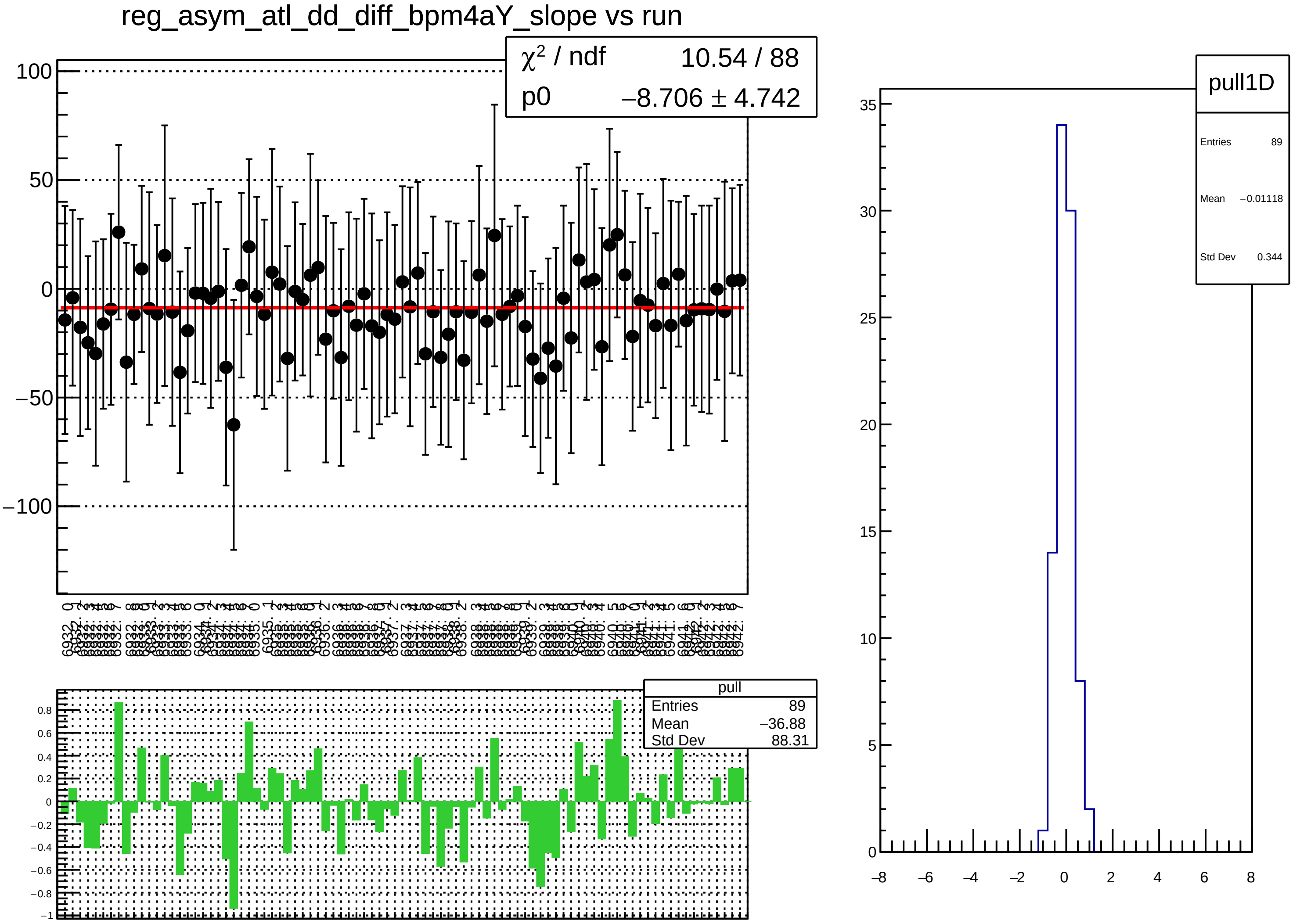

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.068 / 88
p0 64.93 ± 6.263
pull
Entries 89
Mean −219.7
Std Dev 225.5
pull1D
Entries 89
Mean 0.0004424
Std Dev 0.3192

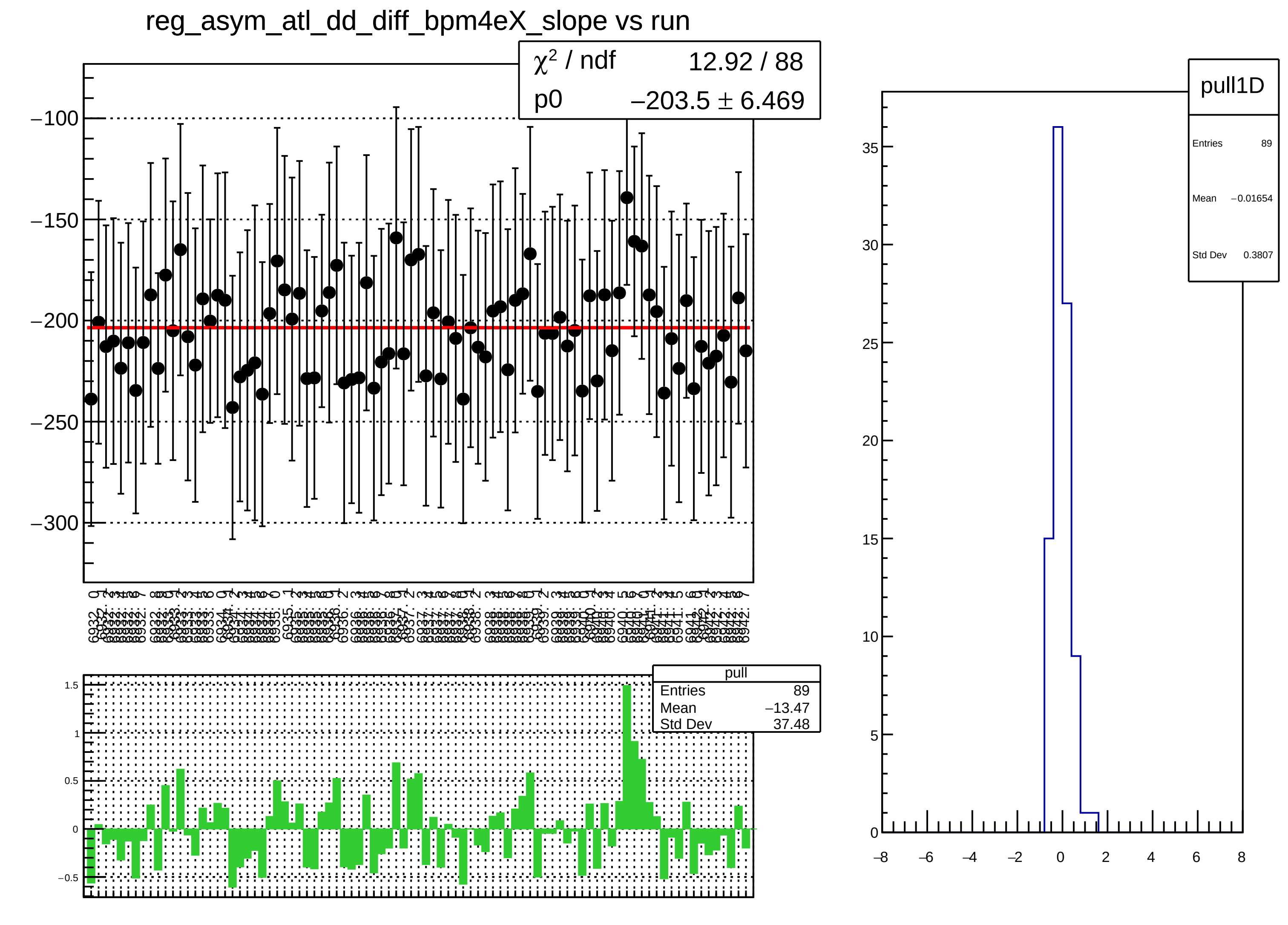


reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 30.49 / 88
p0 −160.2 ± 0.2592
−152
−154
−156
−158
−160
−162
−164
−166
pull
Entries 89
Mean −314.2
Std Dev 346.7
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean −0.008412
Std Dev 0.5853
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

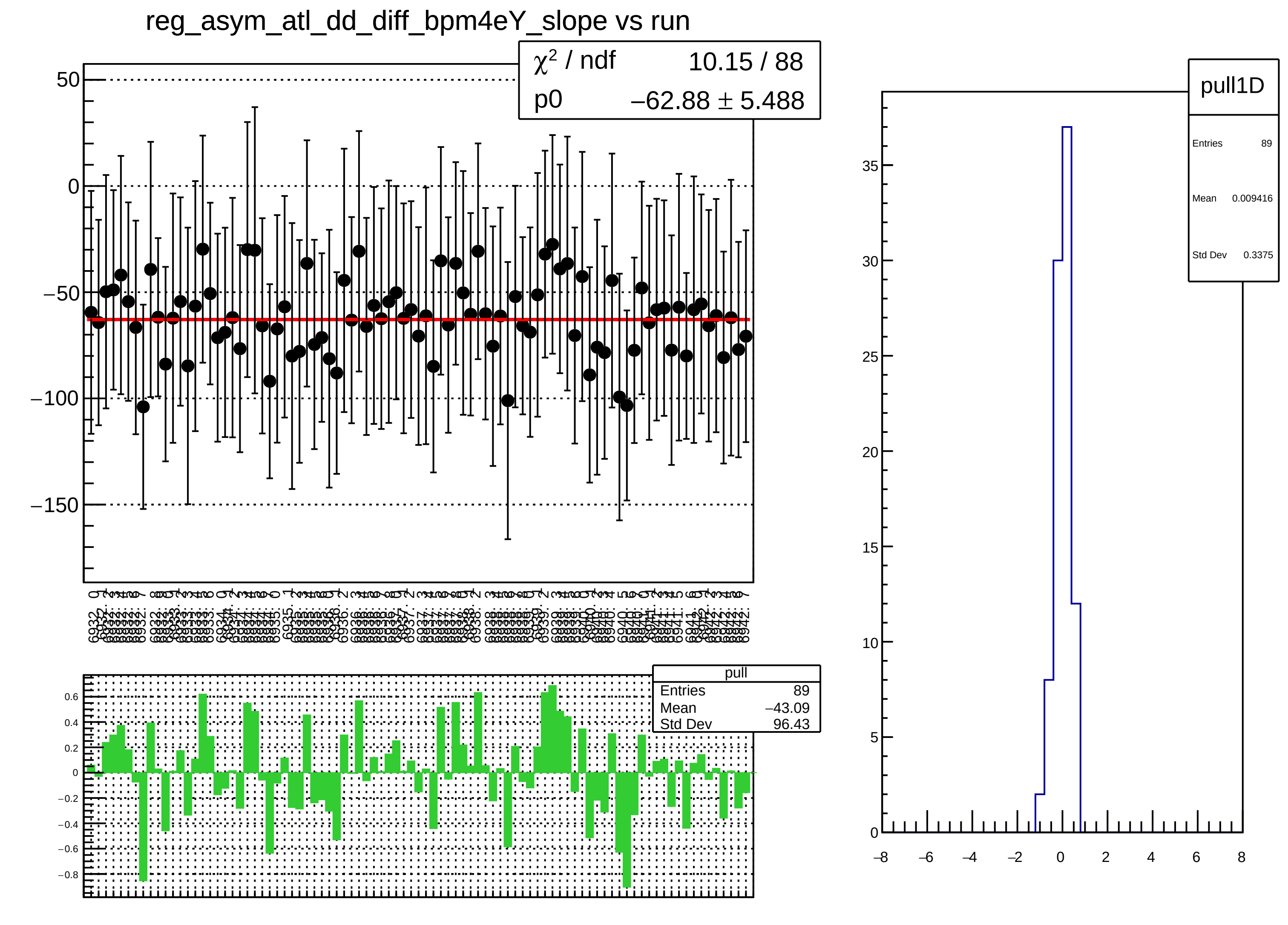


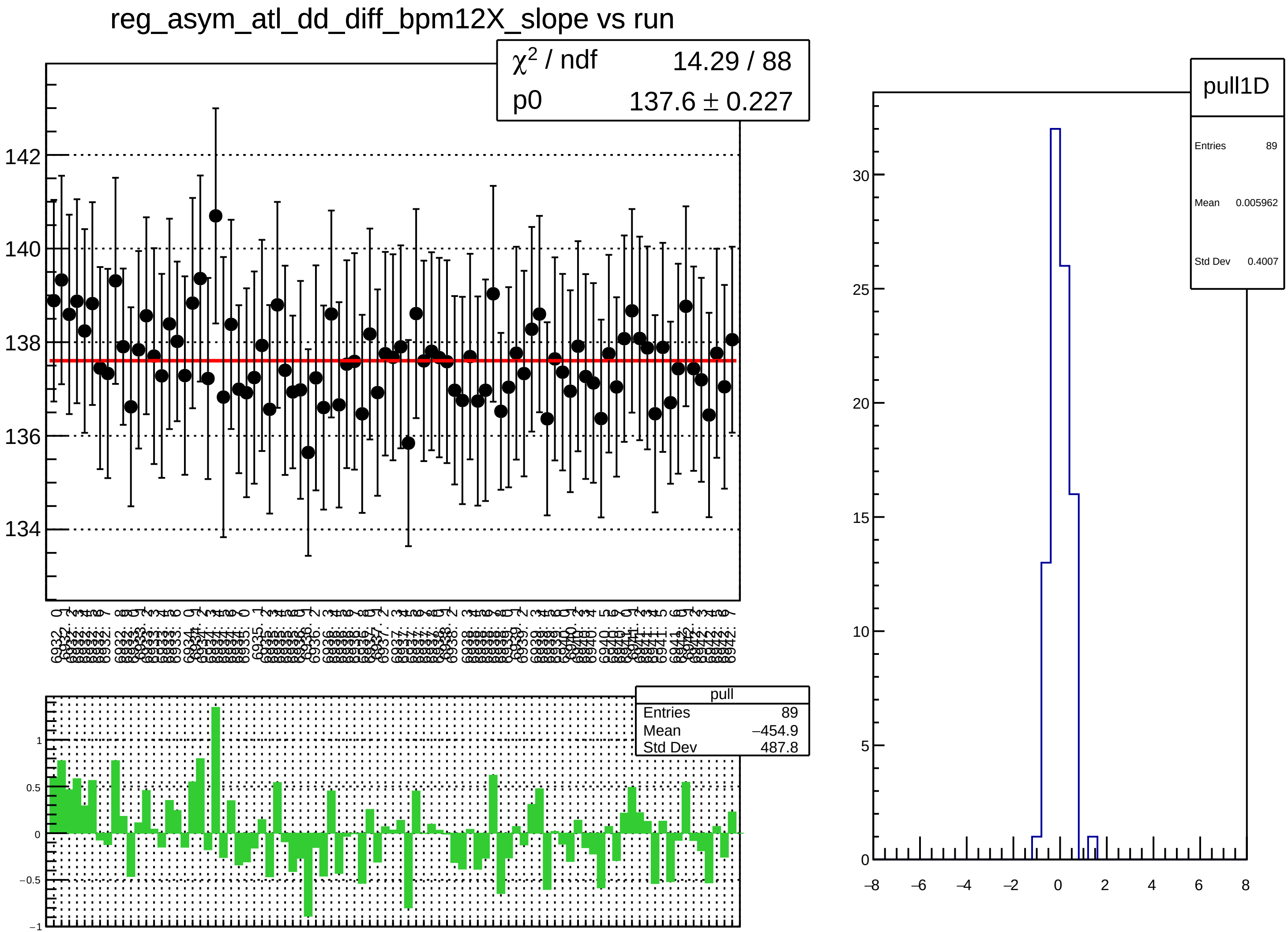
reg_asym_atl_dd_diff_bpm1X_slope vs run
χ2 / ndf 12.74 / 88
p0 273.7 ± 6.958
pull
Entries 89
Mean −18.91
Std Dev 41.46
pull1D
Entries 89
Mean 0.01585
Std Dev 0.378


reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 10.54 / 88
p0 −8.706 ± 4.742
pull
Entries 89
Mean −36.88
Std Dev 88.31
pull1D
Entries 89
Mean −0.01118
Std Dev 0.344

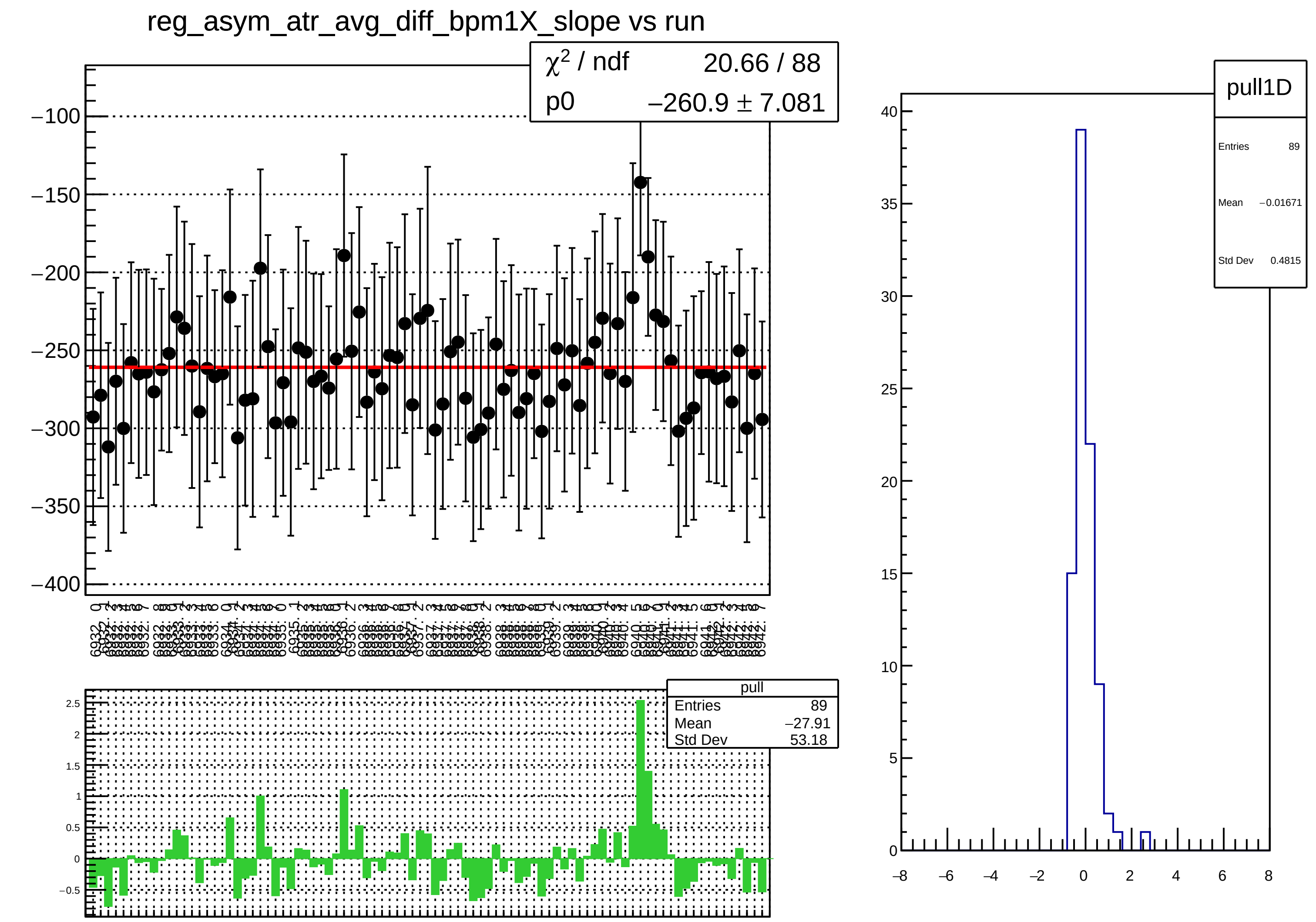


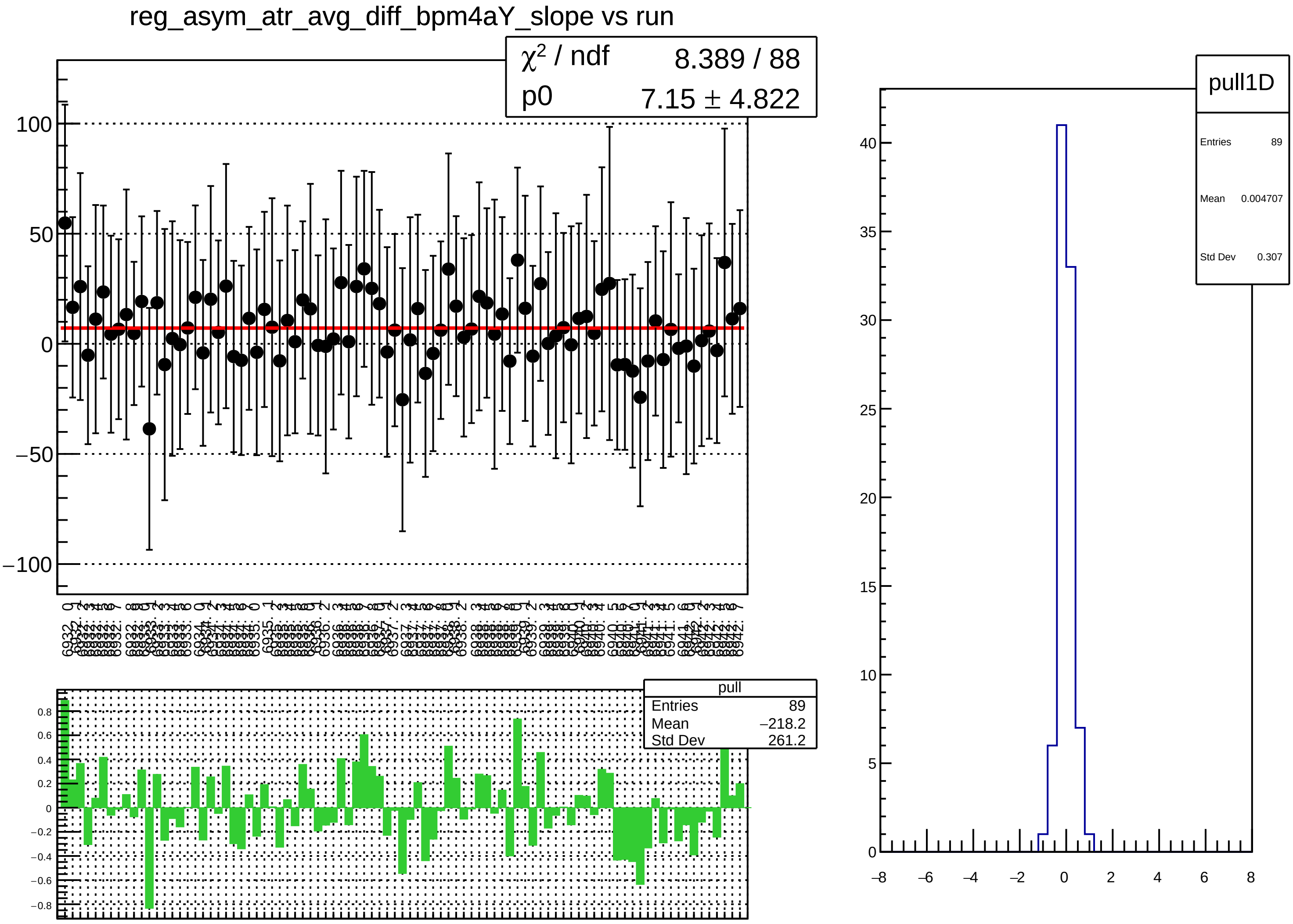
reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ2 / ndf 12.92 / 88
p0 −203.5 ± 6.469
−100
−150
−200
−250
−300
pull
Entries 89
Mean −13.47
Std Dev 37.48
1.5
1
0.5
0
−0.5
pull1D
Entries 89
Mean −0.01654
Std Dev 0.3807
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ2 / ndf 10.15 / 88
p0 −62.88 ± 5.488
pull
Entries 89
Mean −43.09
Std Dev 96.43
pull1D
Entries 89
Mean 0.009416
Std Dev 0.3375

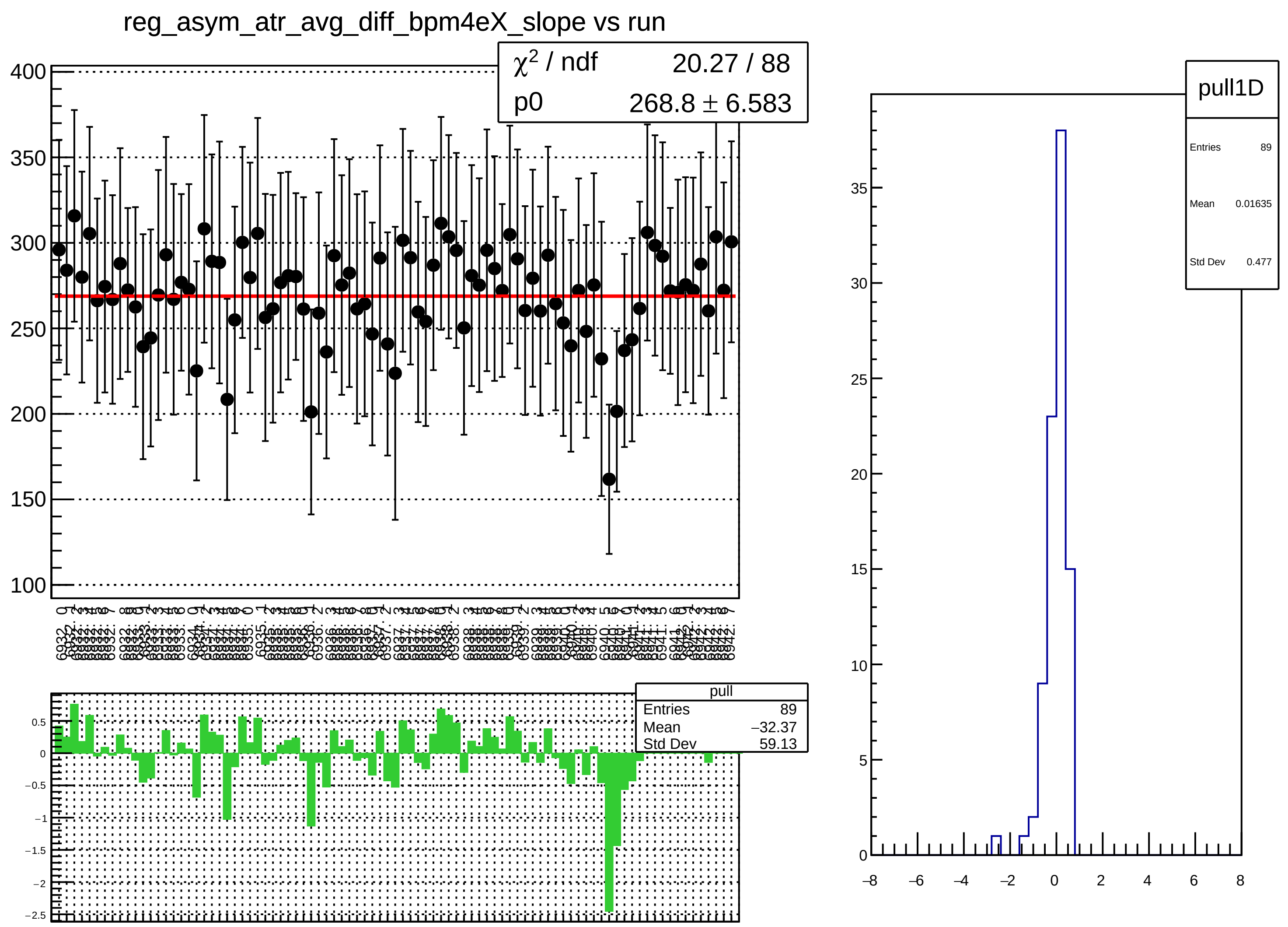


reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.29 / 88
p0 137.6 ± 0.227
pull
Entries 89
Mean −454.9
Std Dev 487.8
pull1D
Entries 89
Mean 0.005962
Std Dev 0.4007

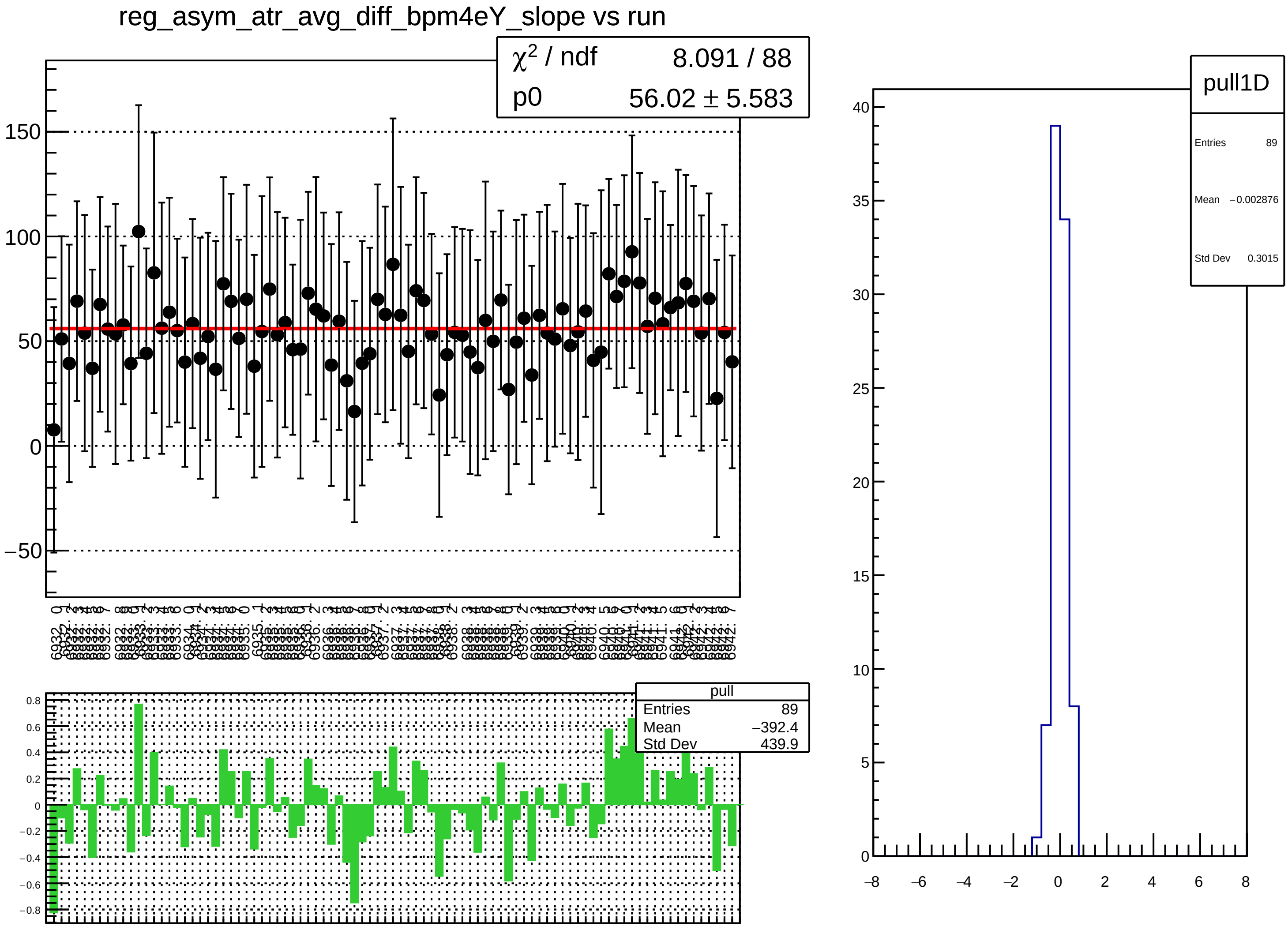

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 20.66 / 88
p0 −260.9 ± 7.081
pull
Entries 89
Mean −27.91
Std Dev 53.18
pull1D
Entries 89
Mean −0.01671
Std Dev 0.4815



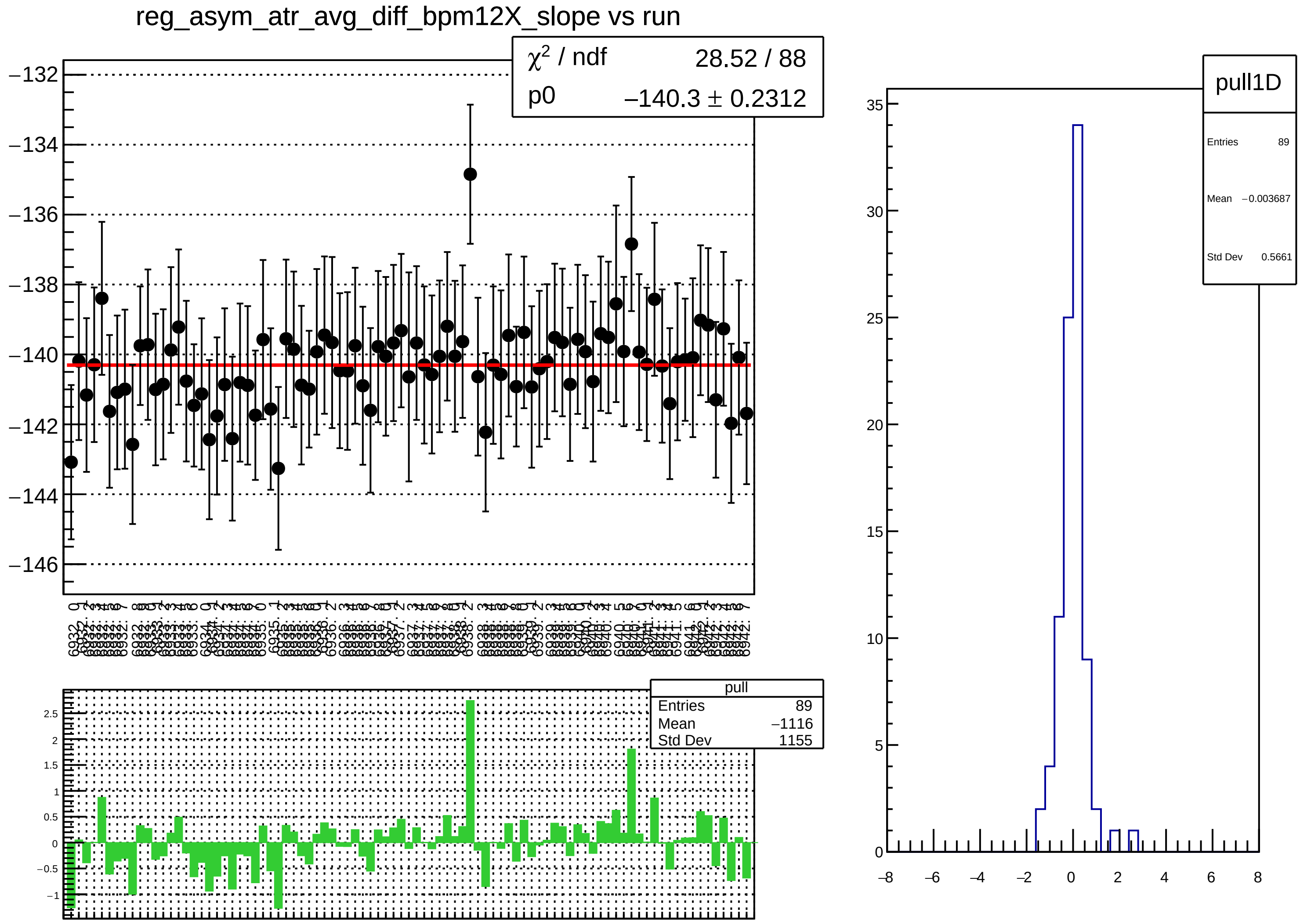
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ2 / ndf 8.389 / 88
p0 7.15 ± 4.822
pull
Entries 89
Mean −218.2
Std Dev 261.2
pull1D
Entries 89
Mean 0.004707
Std Dev 0.307



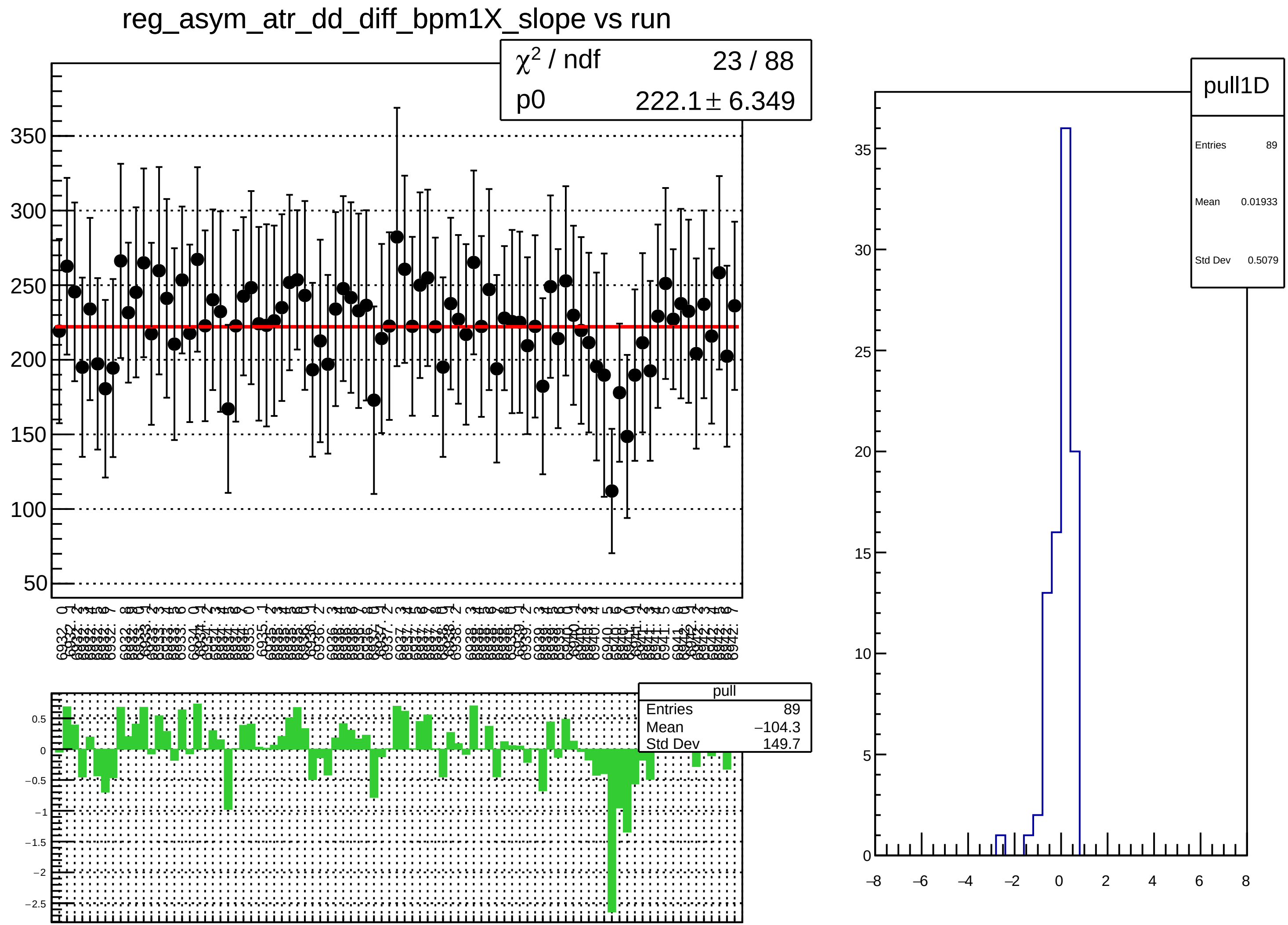
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 20.27 / 88
p0 268.8 ± 6.583
pull
Entries 89
Mean −32.37
Std Dev 59.13
pull1D
Entries 89
Mean 0.01635
Std Dev 0.477



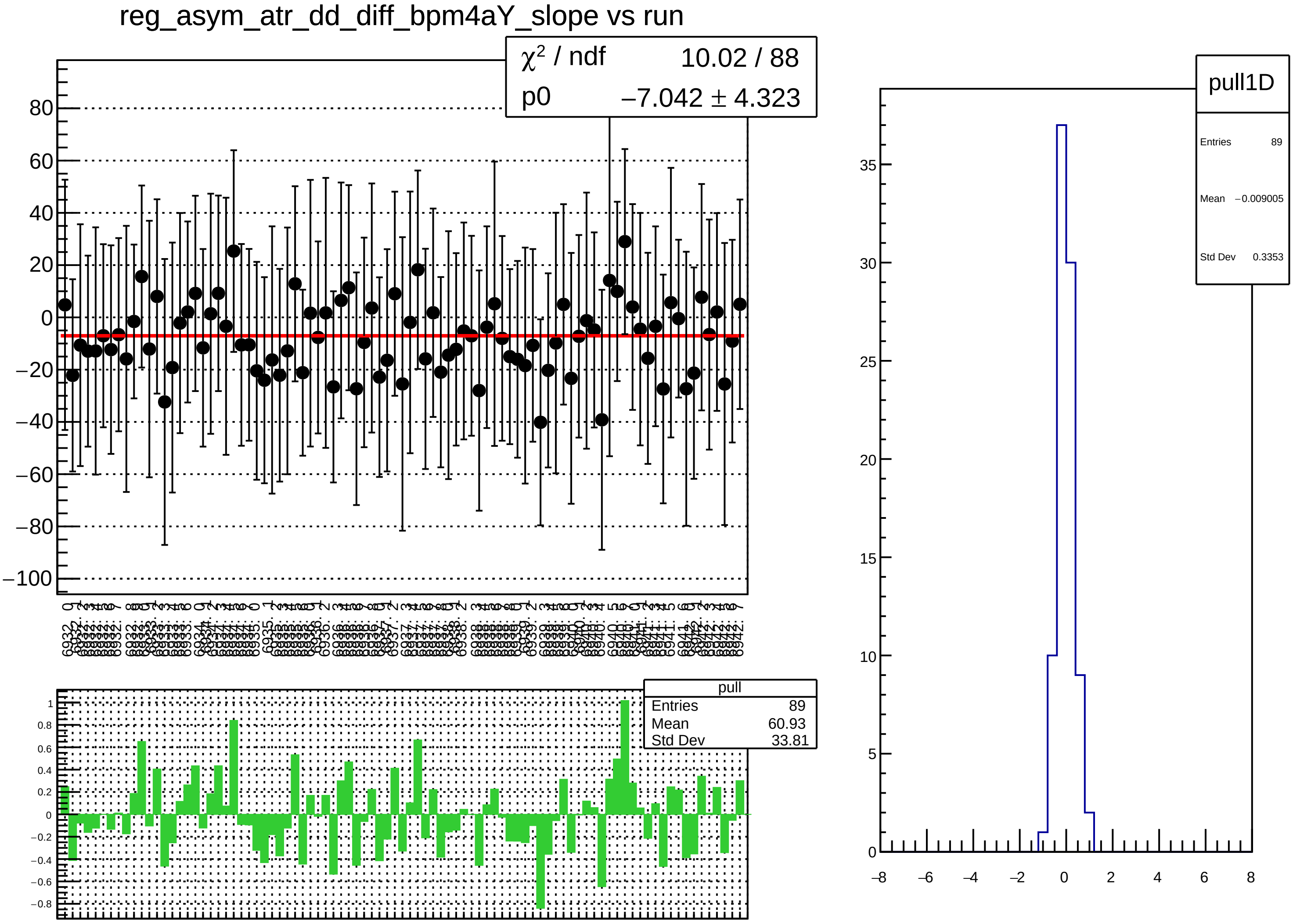
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.091 / 88
p0 56.02 ± 5.583
pull
Entries 89
Mean −392.4
Std Dev 439.9
pull1D
Entries 89
Mean −0.002876
Std Dev 0.3015



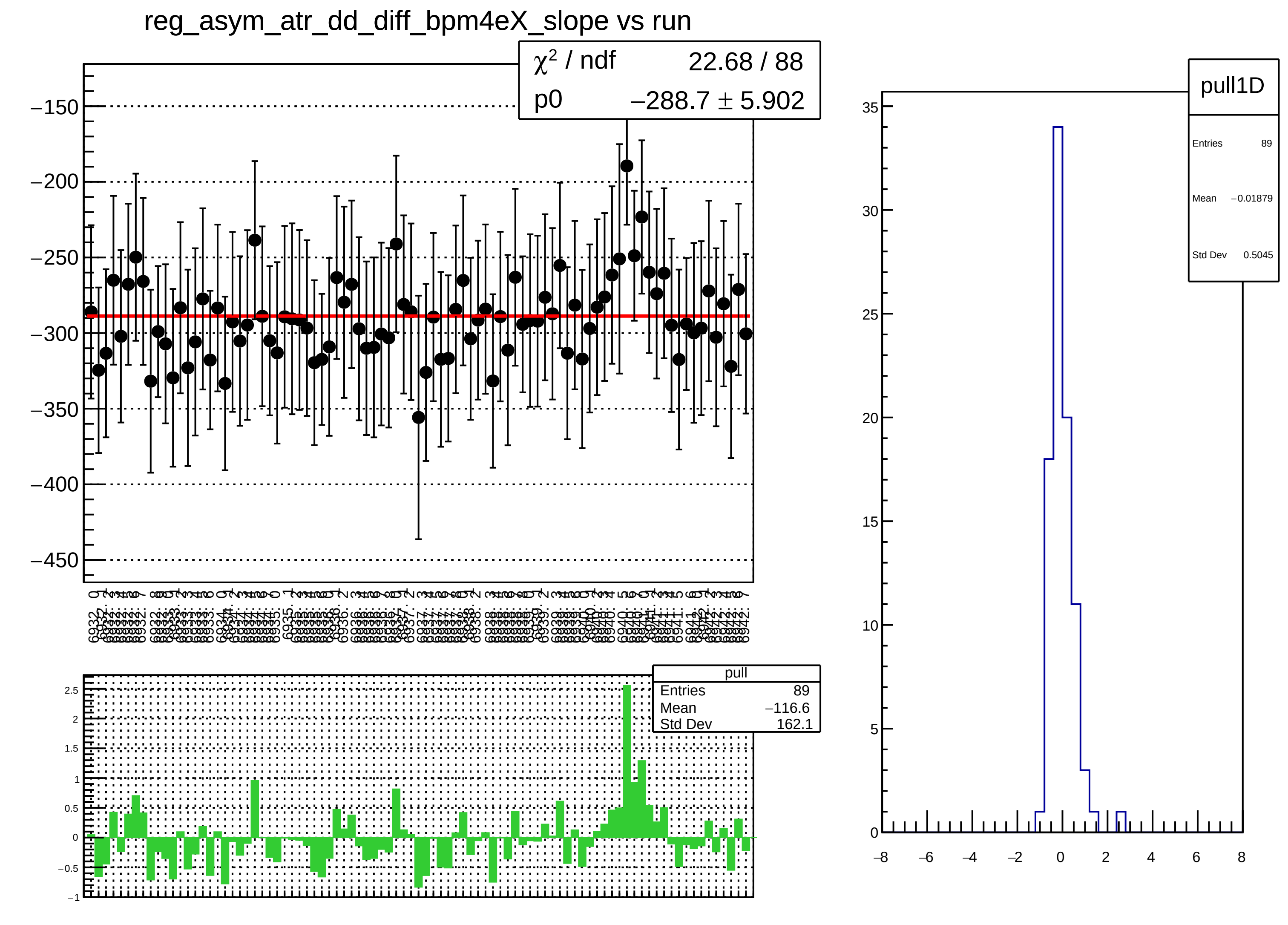
reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 28.52 / 88
p0 −140.3 ± 0.2312
pull
Entries 89
Mean −1116
Std Dev 1155
pull1D
Entries 89
Mean −0.003687
Std Dev 0.5661



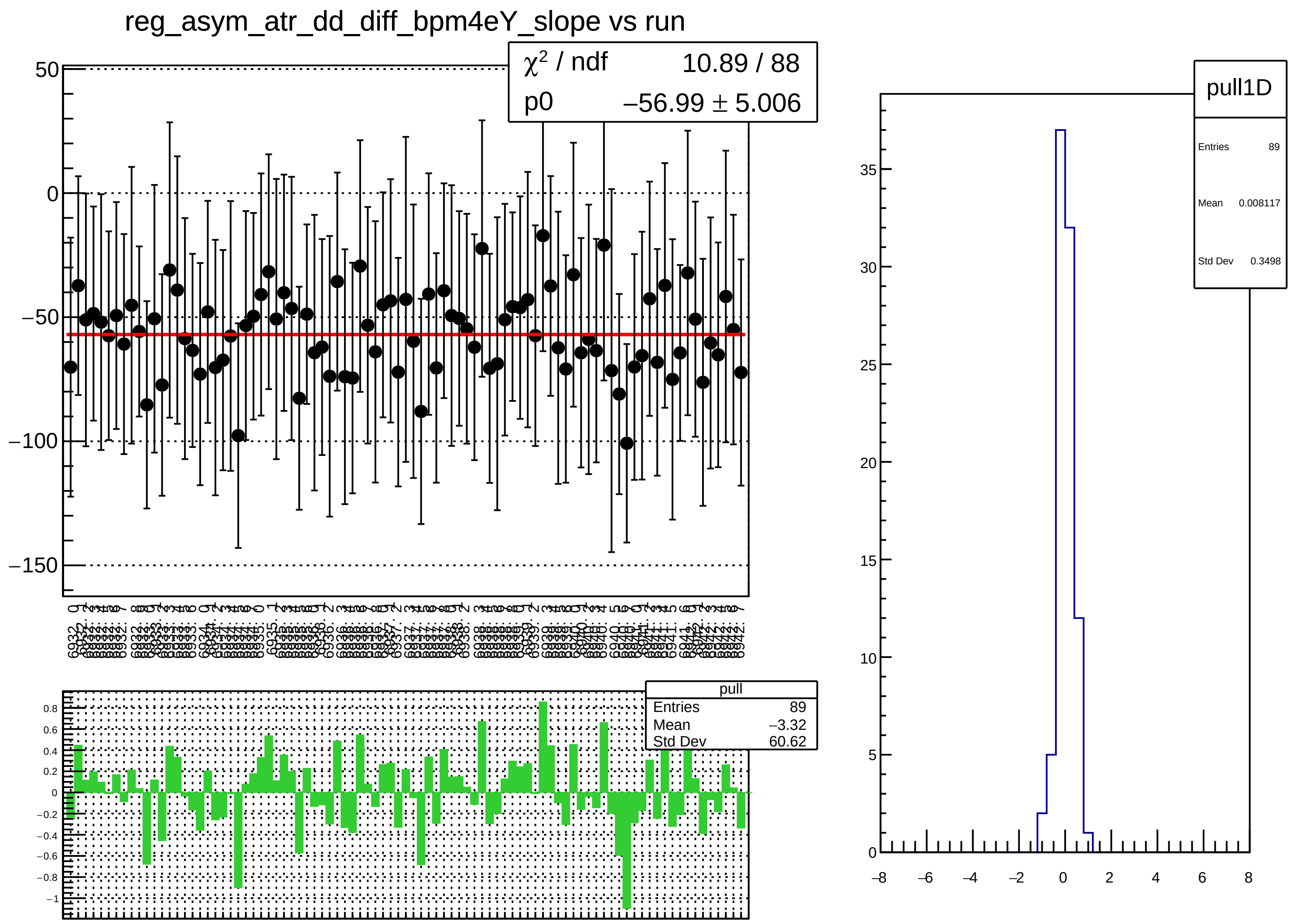
reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 23 / 88
p0 222.1 ± 6.349
pull
Entries 89
Mean −104.3
Std Dev 149.7
pull1D
Entries 89
Mean 0.01933
Std Dev 0.5079



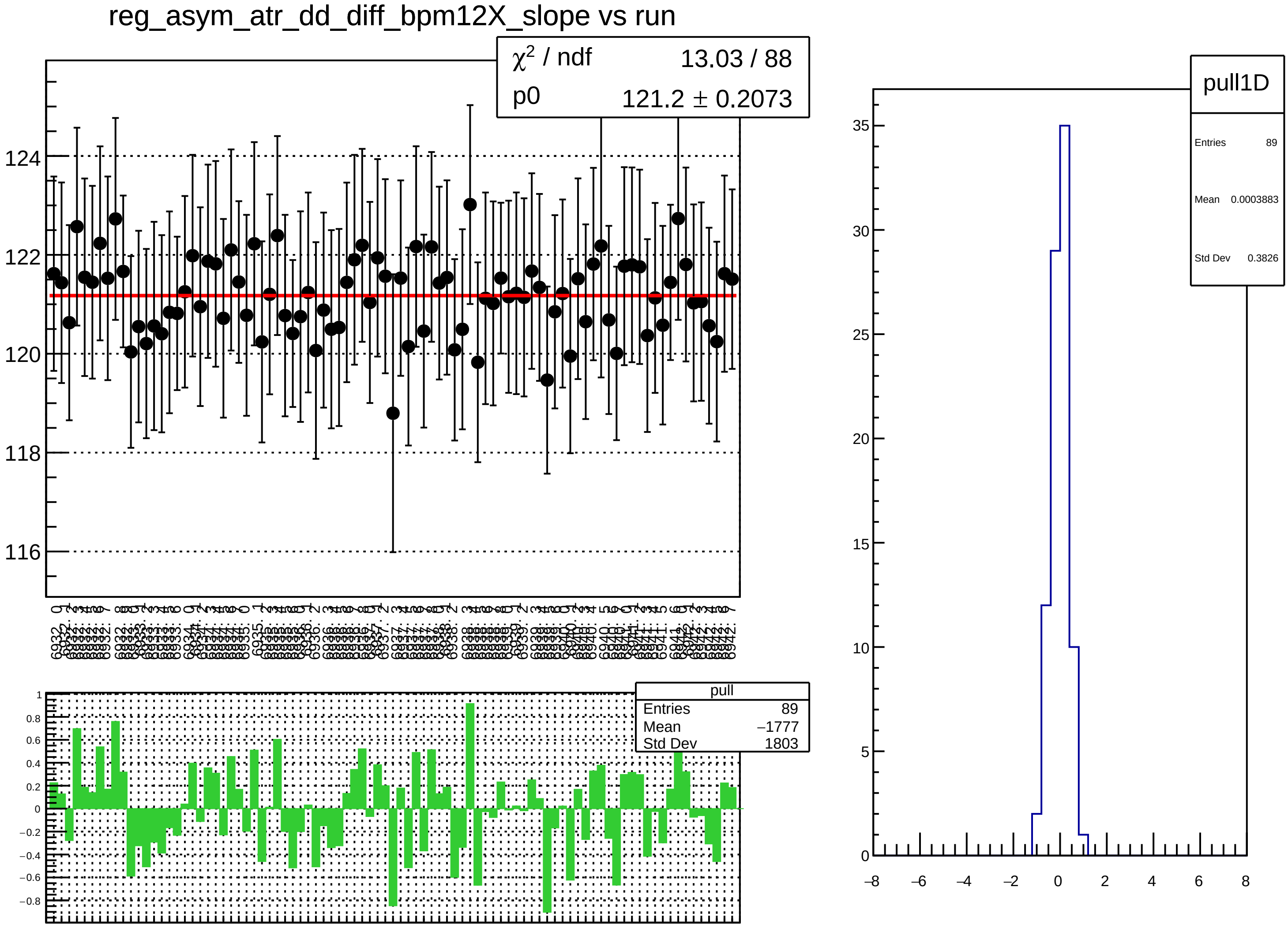
reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ2 / ndf 10.02 / 88
p0 −7.042 ± 4.323
pull
Entries 89
Mean 60.93
Std Dev 33.81
pull1D
Entries 89
Mean −0.009005
Std Dev 0.3353



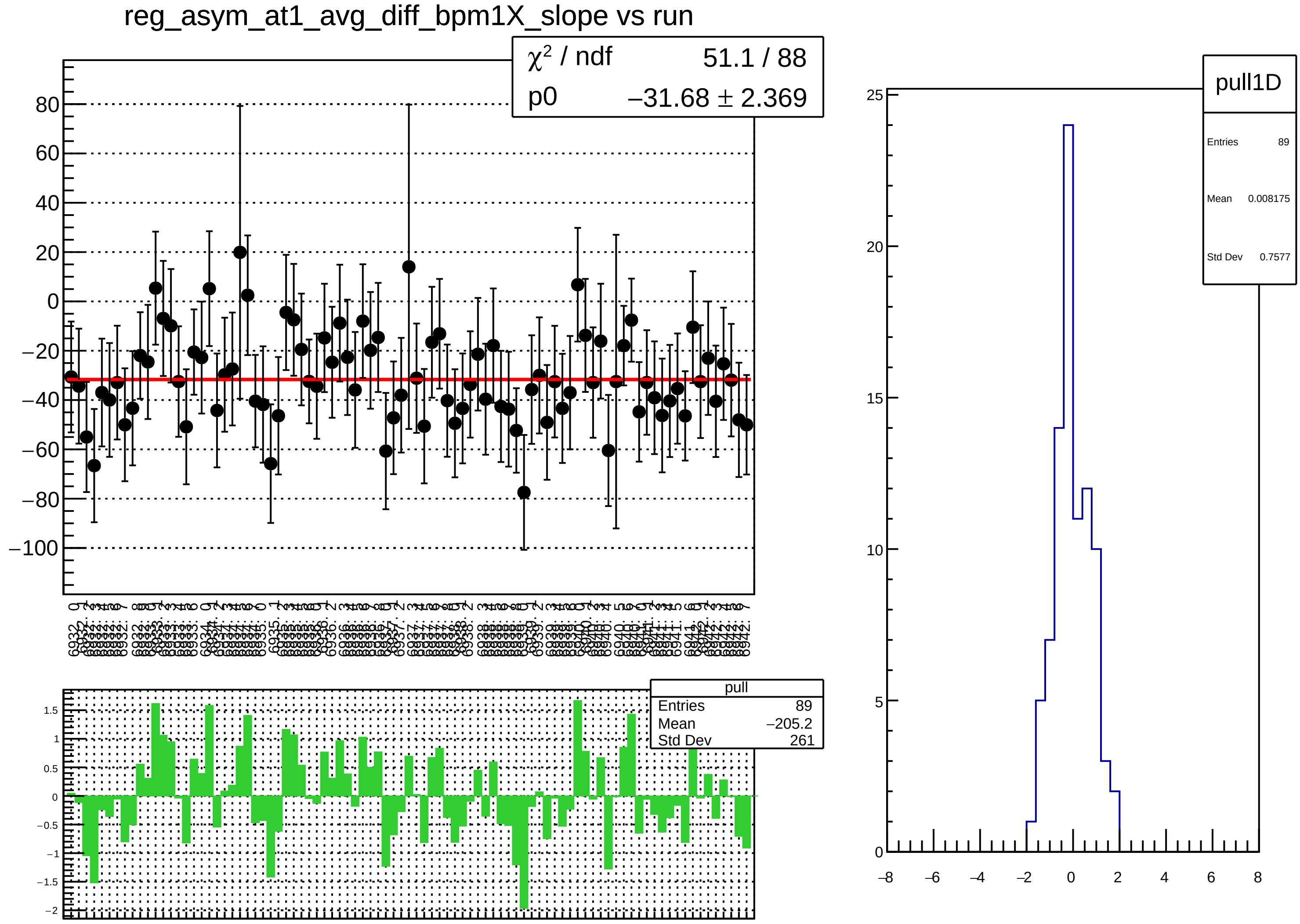
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 22.68 / 88
p0 −288.7 ± 5.902
pull
Entries 89
Mean −116.6
Std Dev 162.1
pull1D
Entries 89
Mean −0.01879
Std Dev 0.5045



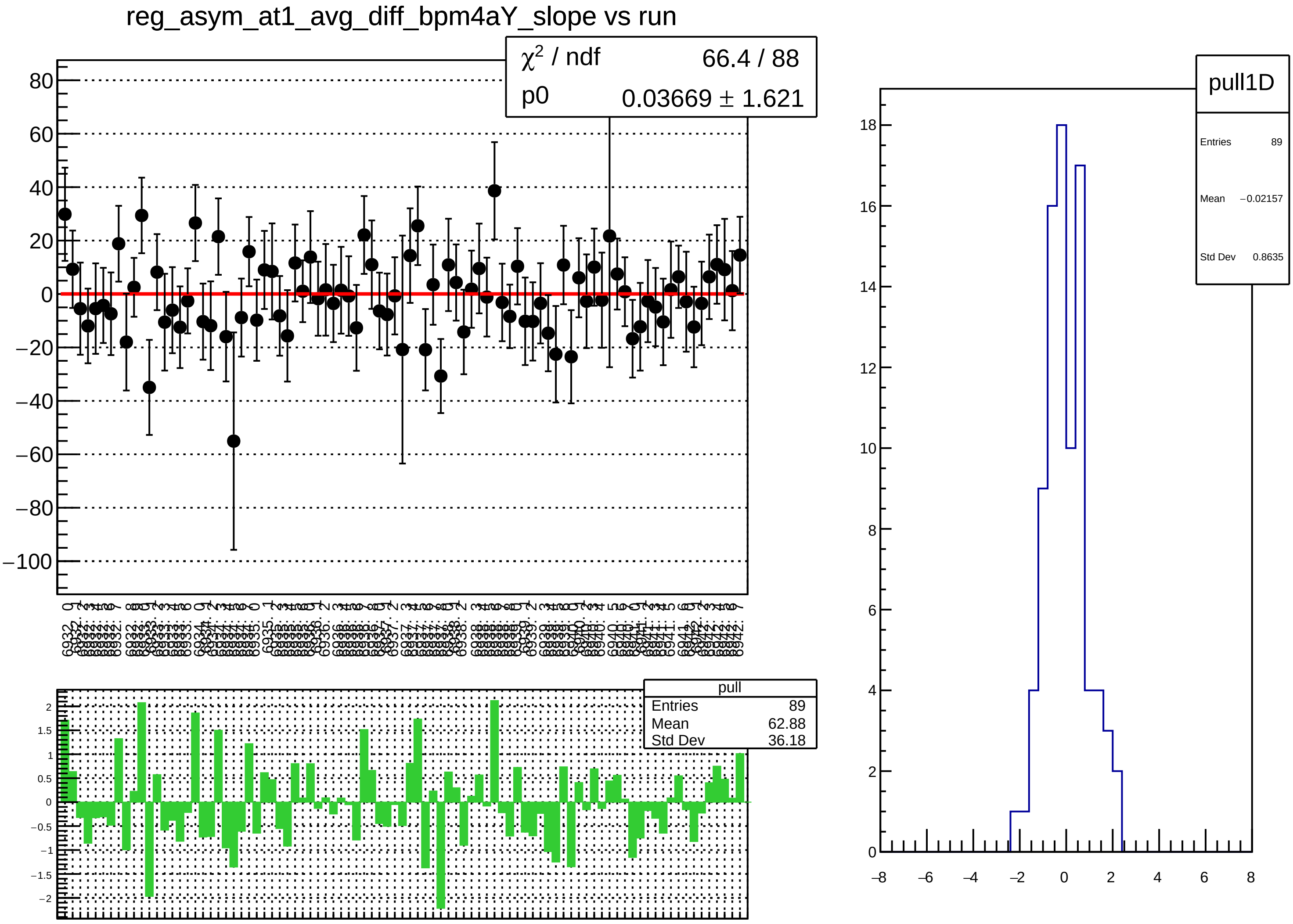
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ2 / ndf 10.89 / 88
p0 −56.99 ± 5.006
pull
Entries 89
Mean −3.32
Std Dev 60.62
pull1D
Entries 89
Mean 0.008117
Std Dev 0.3498



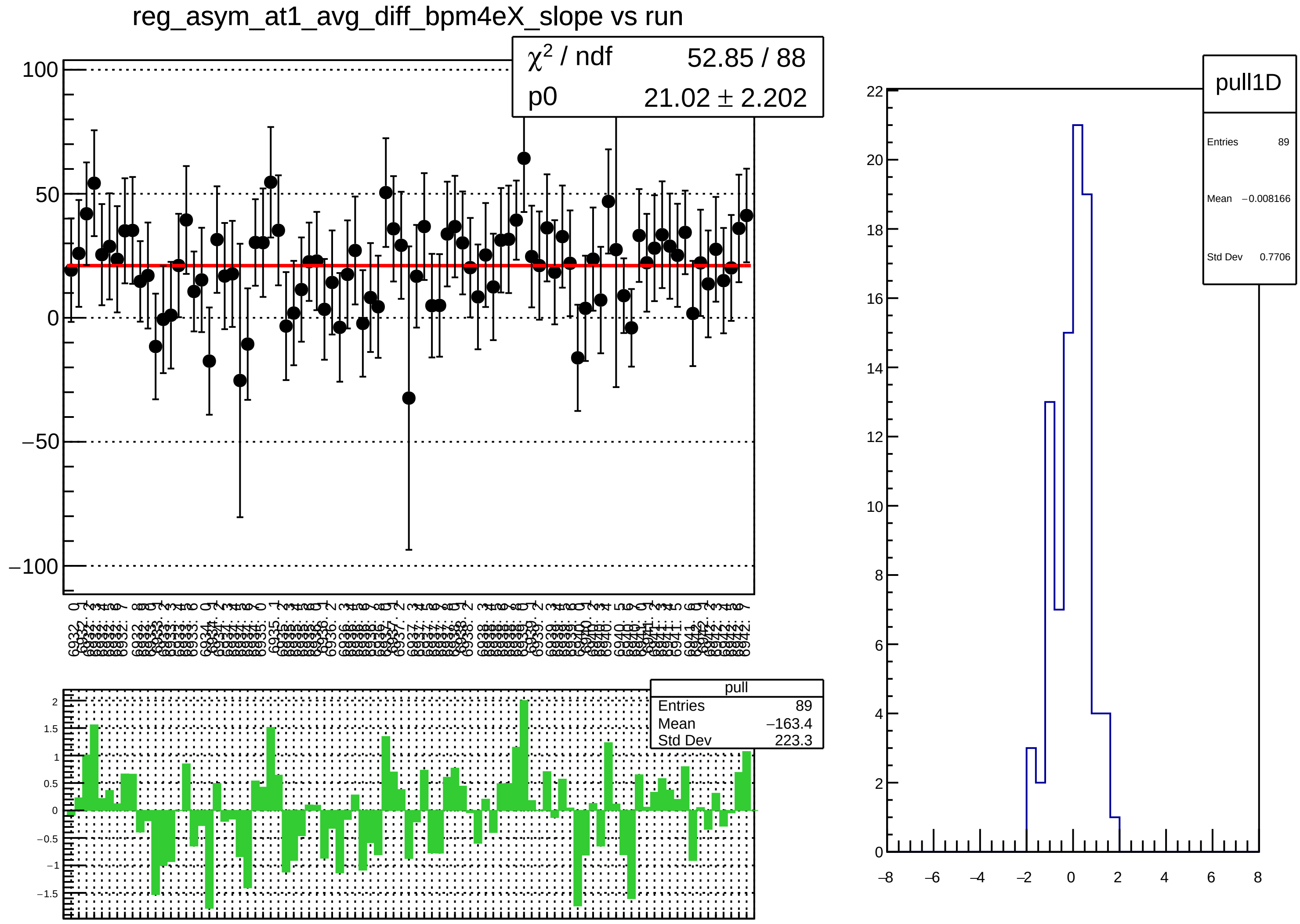
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.03 / 88
p0 121.2 ± 0.2073
124
122
120
118
116
pull
Entries 89
Mean −1777
Std Dev 1803
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 89
Mean 0.0003883
Std Dev 0.3826
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



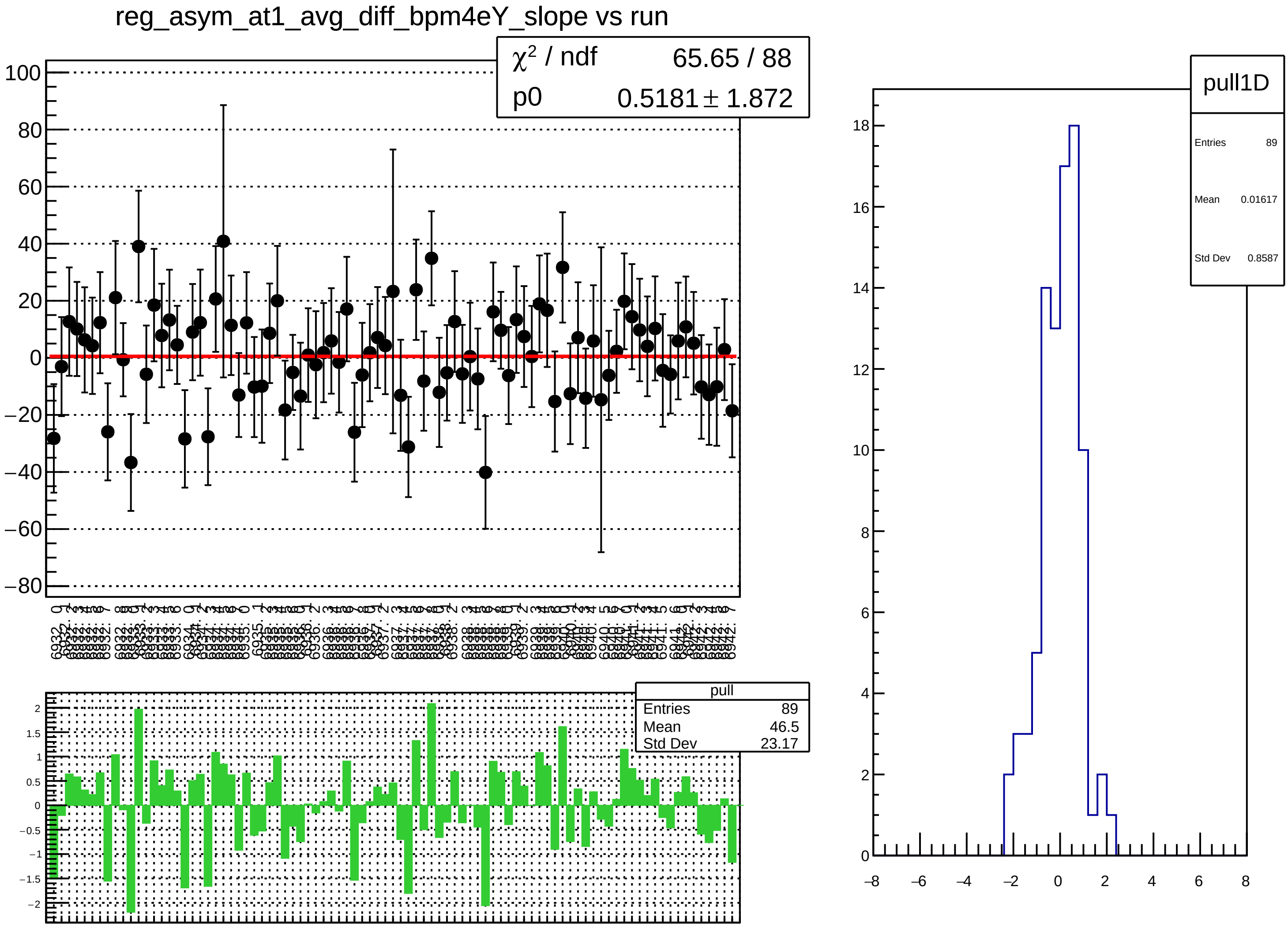
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 51.1 / 88
p0 −31.68 ± 2.369
pull
Entries 89
Mean −205.2
Std Dev 261
pull1D
Entries 89
Mean 0.008175
Std Dev 0.7577



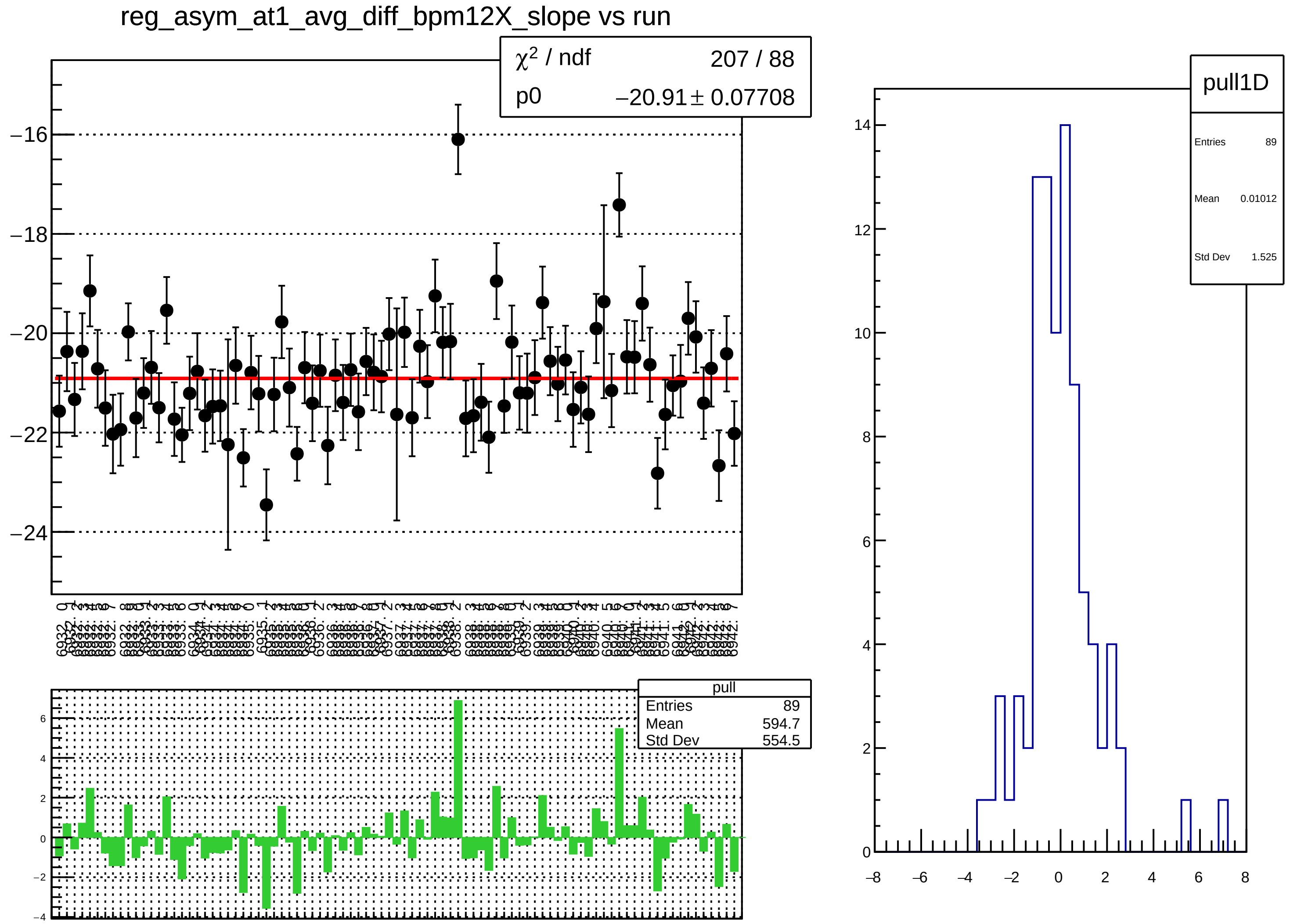
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ2 / ndf 66.4 / 88
p0 0.03669 ± 1.621
pull
Entries 89
Mean 62.88
Std Dev 36.18
pull1D
Entries 89
Mean −0.02157
Std Dev 0.8635



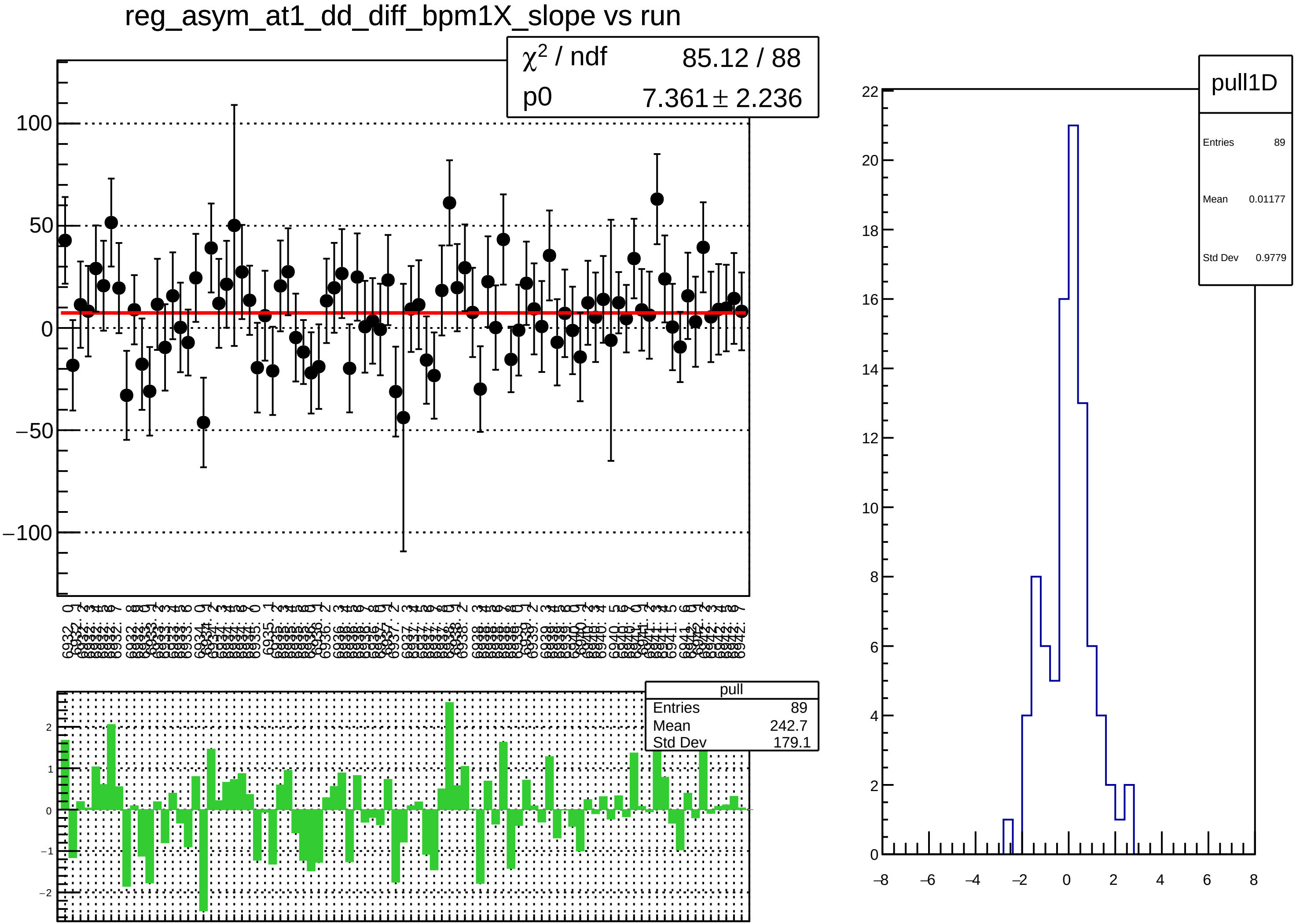
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ2 / ndf 52.85 / 88
p0 21.02 ± 2.202
pull
Entries 89
Mean −163.4
Std Dev 223.3
pull1D
Entries 89
Mean −0.008166
Std Dev 0.7706

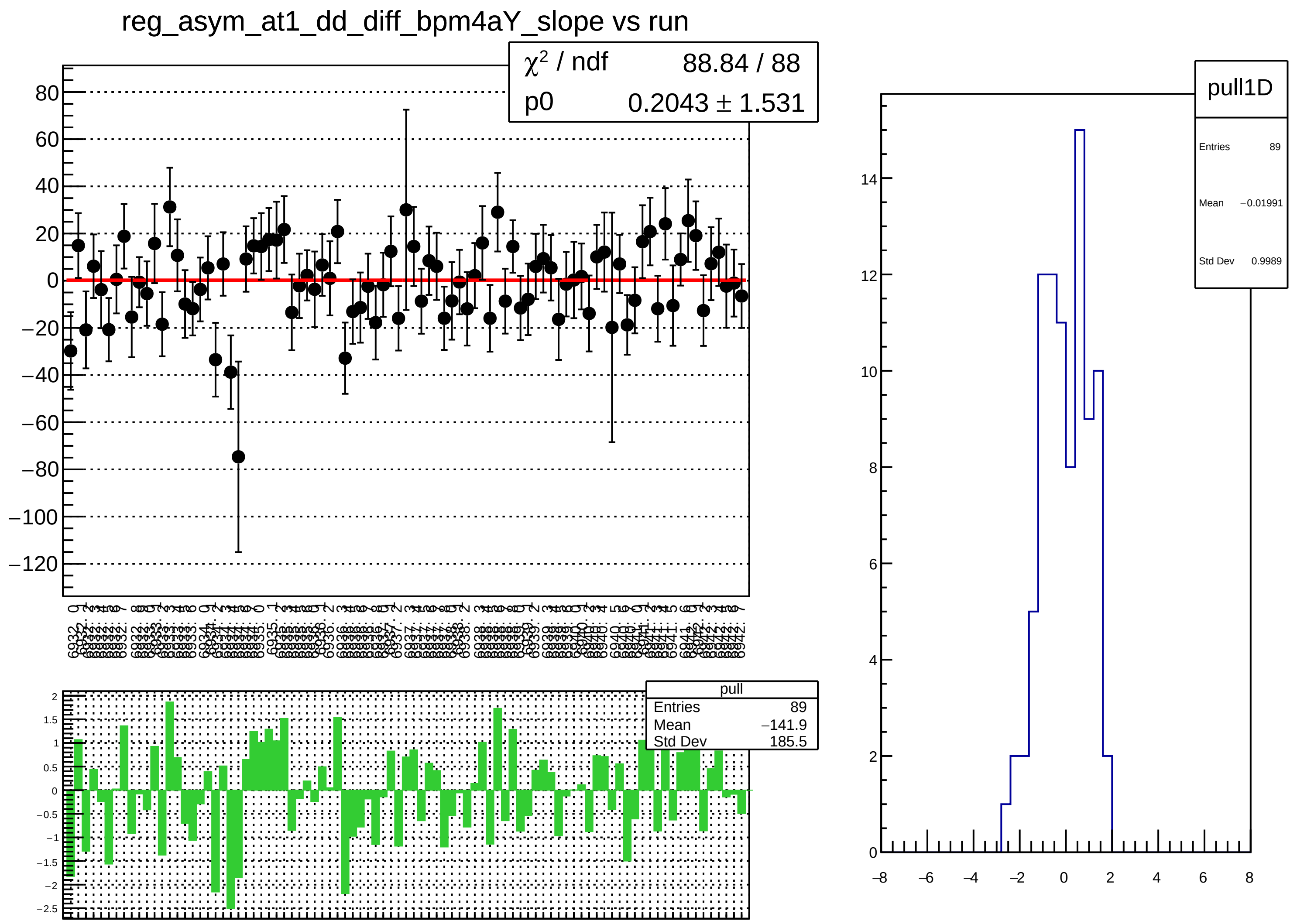


reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 65.65 / 88
p0 0.5181 ± 1.872
pull
Entries 89
Mean 46.5
Std Dev 23.17
pull1D
Entries 89
Mean 0.01617
Std Dev 0.8587

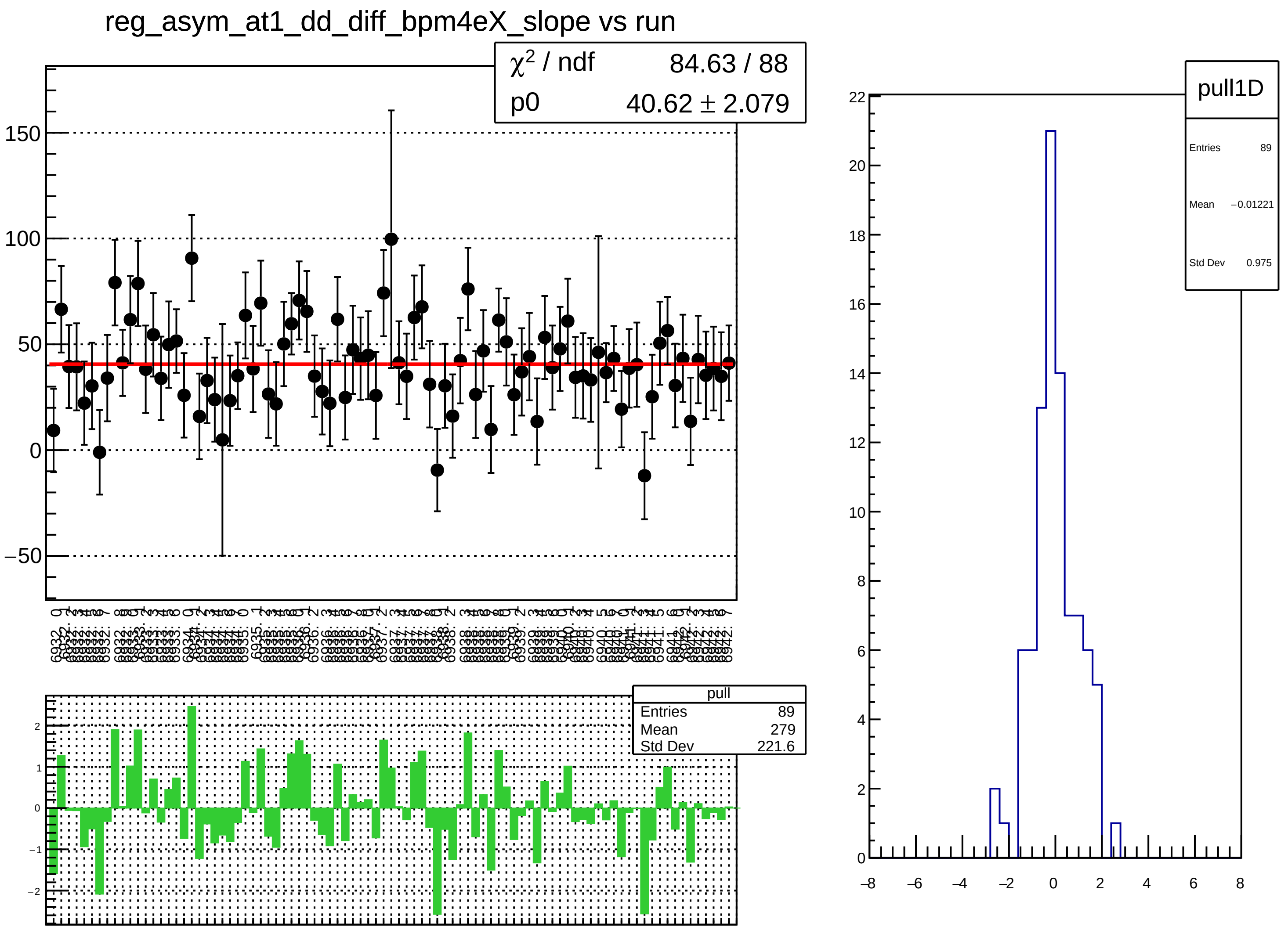


reg_asym_at1_avg_diff_bpm12X_slope vs run
χ2 / ndf 207 / 88
p0 −20.91 ± 0.07708
−16
−18
−20
−22
−24
pull
Entries 89
Mean 594.7
Std Dev 554.5
6
4
2
0
−2
−4
pull1D
Entries 89
Mean 0.01012
Std Dev 1.525
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

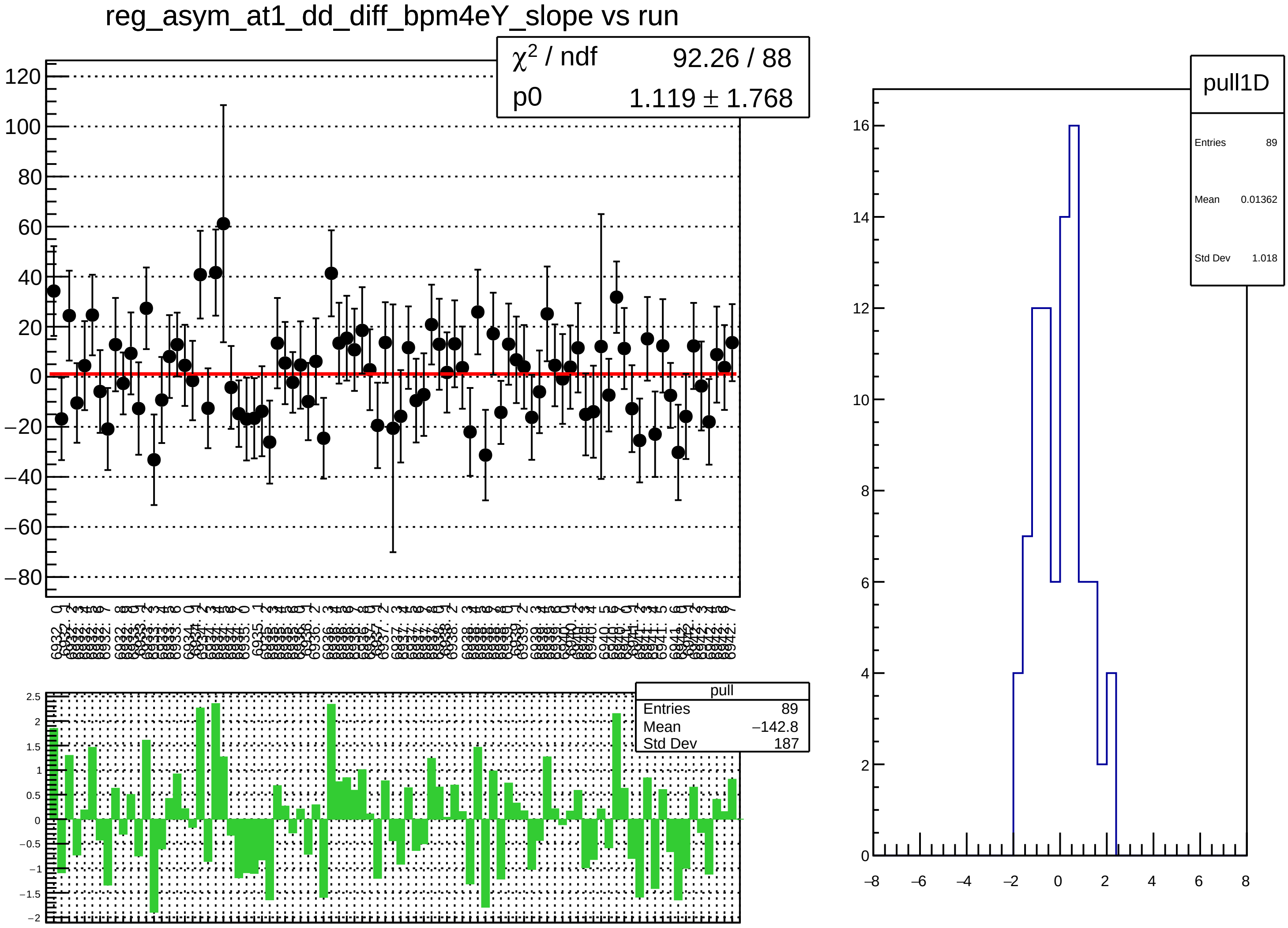

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 85.12 / 88
p0 7.361 ± 2.236
100
50
0
−50
−100
pull
Entries 89
Mean 242.7
Std Dev 179.1
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.01177
Std Dev 0.9779
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



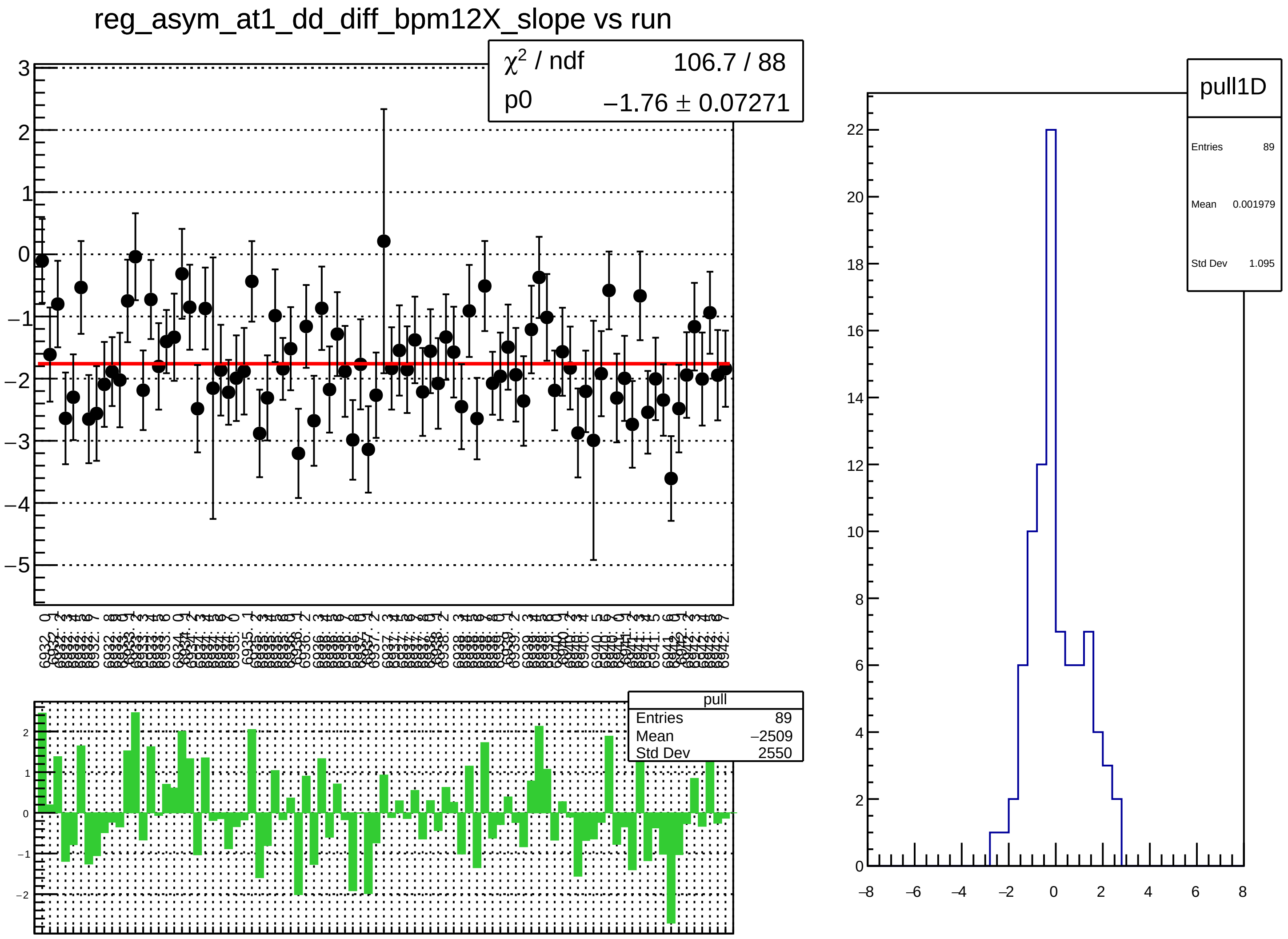
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ2 / ndf 88.84 / 88
p0 0.2043 ± 1.531
pull
Entries 89
Mean −141.9
Std Dev 185.5
pull1D
Entries 89
Mean −0.01991
Std Dev 0.9989



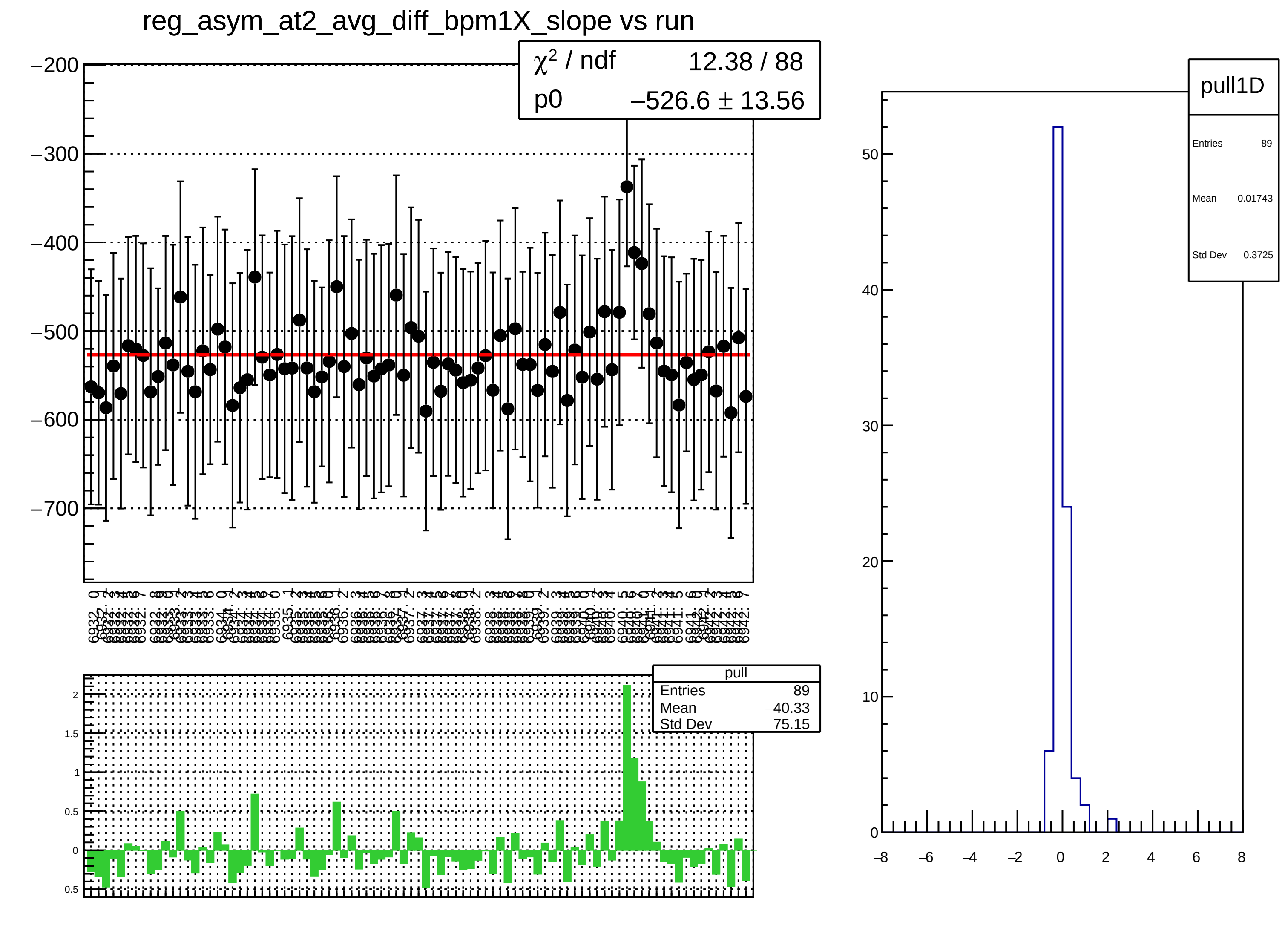
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 84.63 / 88
p0 40.62 ± 2.079
pull
Entries 89
Mean 279
Std Dev 221.6
pull1D
Entries 89
Mean −0.01221
Std Dev 0.975



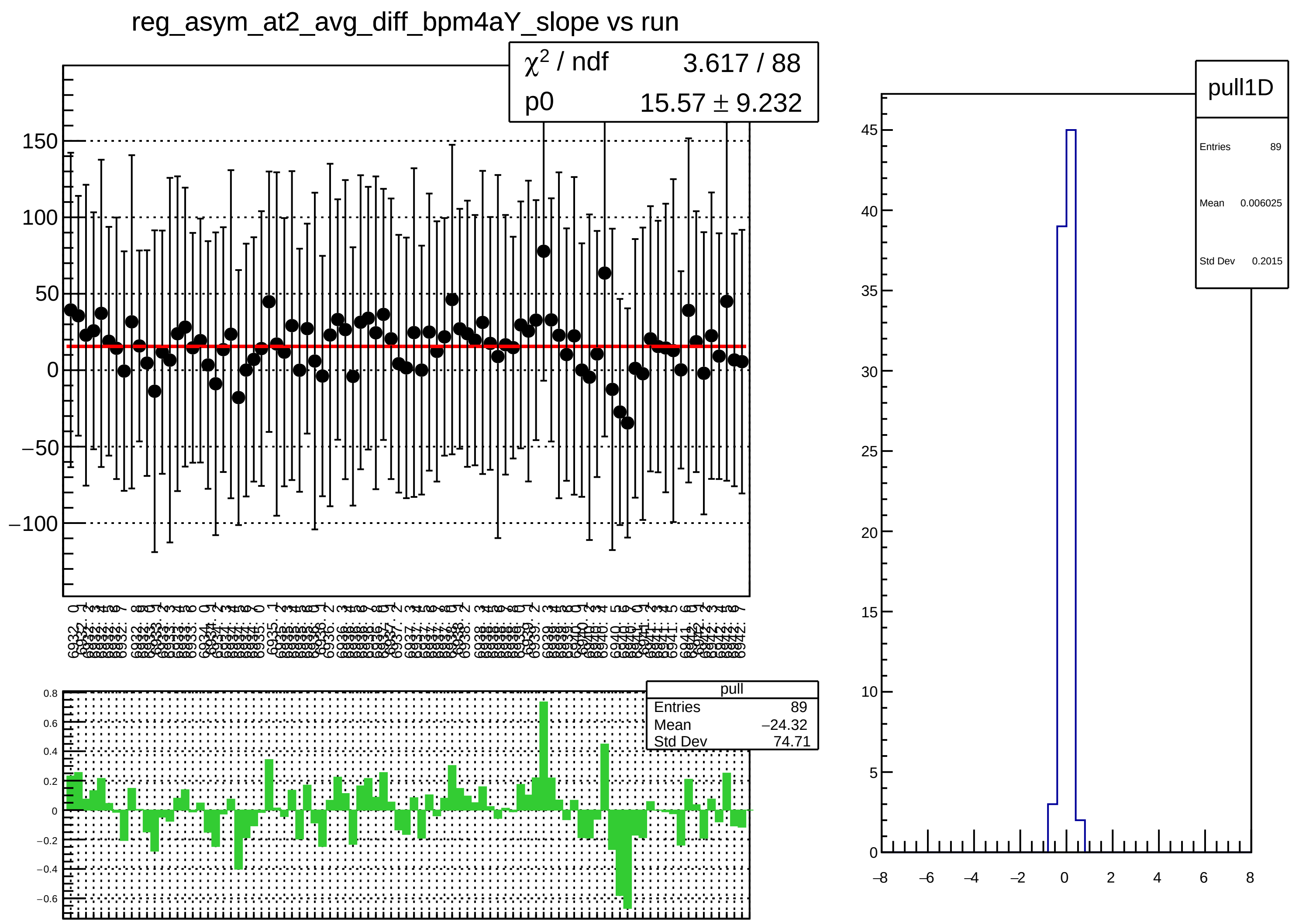
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ2 / ndf 92.26 / 88
p0 1.119 ± 1.768
pull
Entries 89
Mean −142.8
Std Dev 187
pull1D
Entries 89
Mean 0.01362
Std Dev 1.018

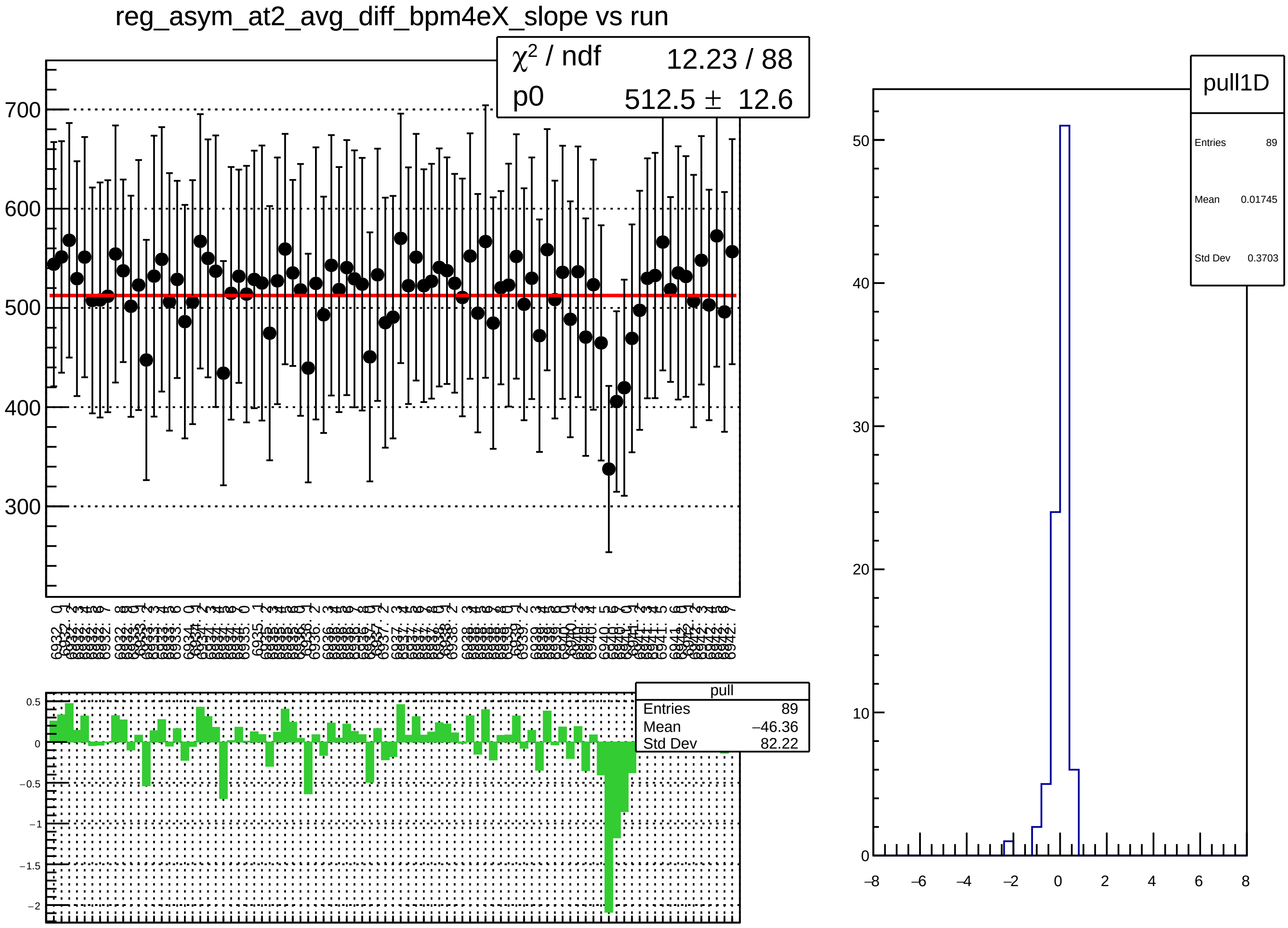


reg_asym_at1_dd_diff_bpm12X_slope vs run
χ2 / ndf 106.7 / 88
p0 −1.76 ± 0.07271
pull
Entries 89
Mean −2509
Std Dev 2550
pull1D
Entries 89
Mean 0.001979
Std Dev 1.095

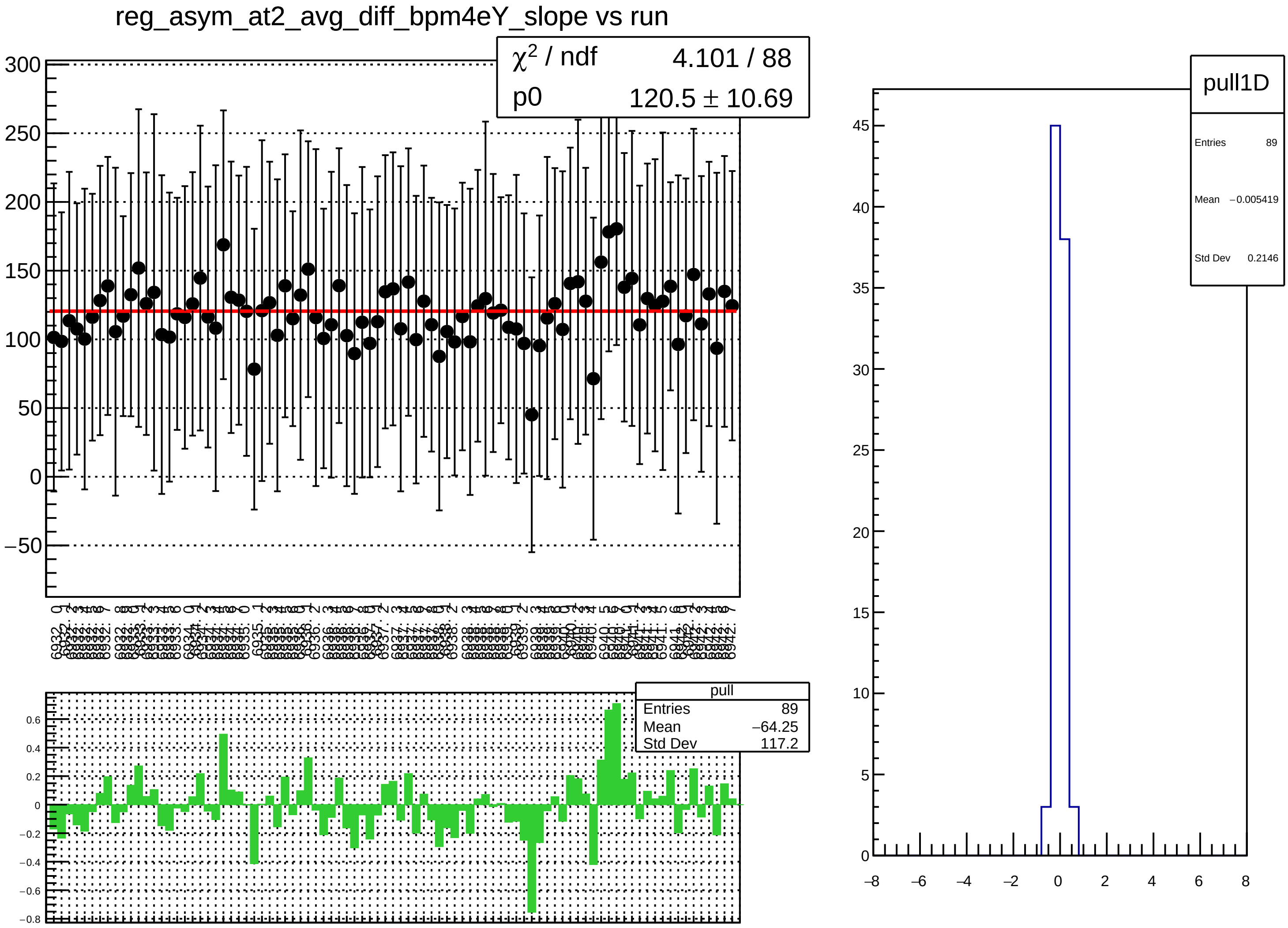


reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.38 / 88
p0 −526.6 ± 13.56
pull
Entries 89
Mean −40.33
Std Dev 75.15
pull1D
Entries 89
Mean −0.01743
Std Dev 0.3725

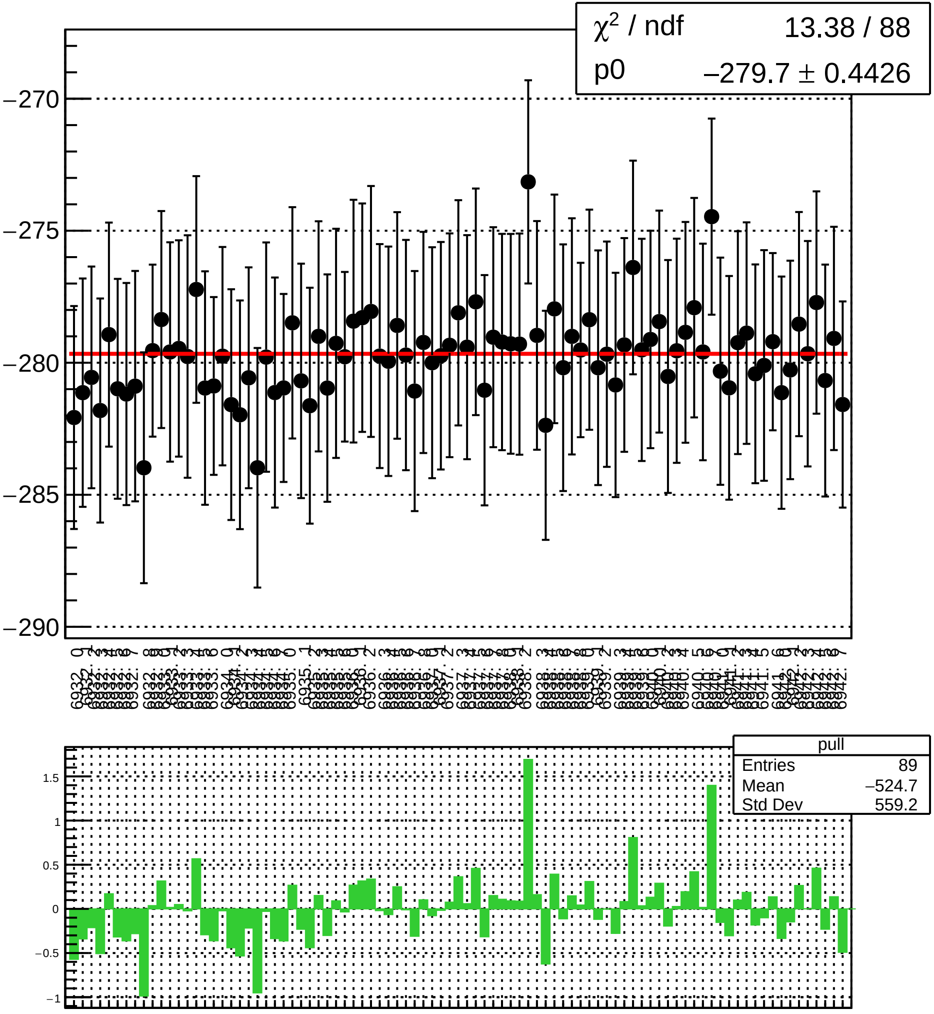

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.617 / 88
p0 15.57 ± 9.232
pull
Entries 89
Mean −24.32
Std Dev 74.71
pull1D
Entries 89
Mean 0.006025
Std Dev 0.2015

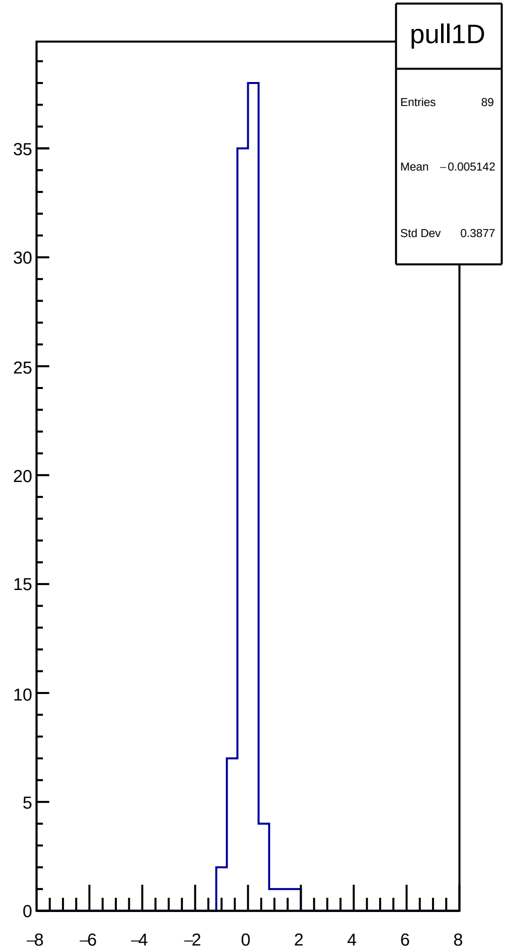


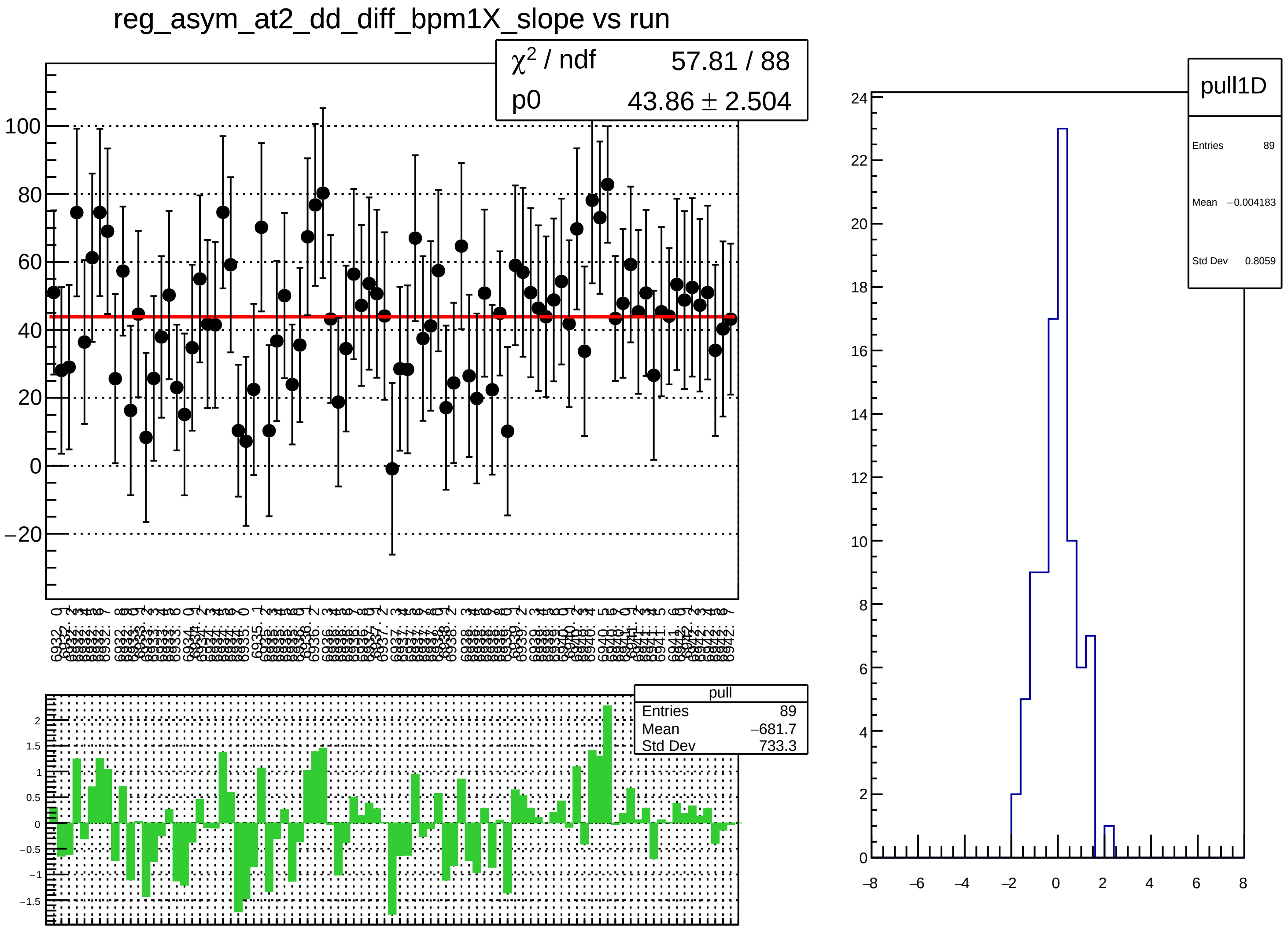
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 12.23 / 88
p0 512.5 ± 12.6
pull
Entries 89
Mean −46.36
Std Dev 82.22
pull1D
Entries 89
Mean 0.01745
Std Dev 0.3703

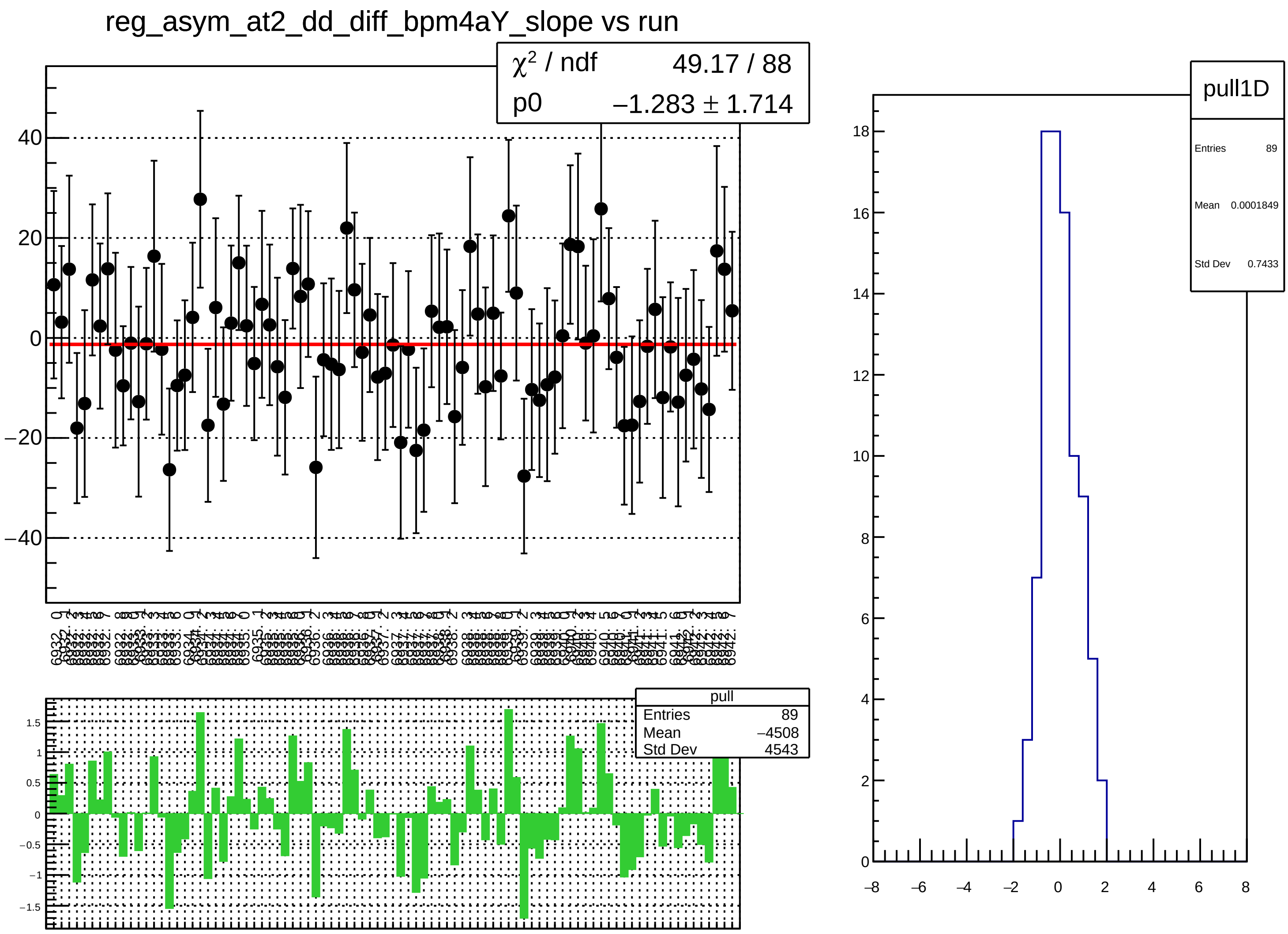

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.101 / 88
p0 120.5 ± 10.69
pull
Entries 89
Mean −64.25
Std Dev 117.2
pull1D
Entries 89
Mean −0.005419
Std Dev 0.2146

reg_asym_at2_avg_diff_bpm12X_slope vs run

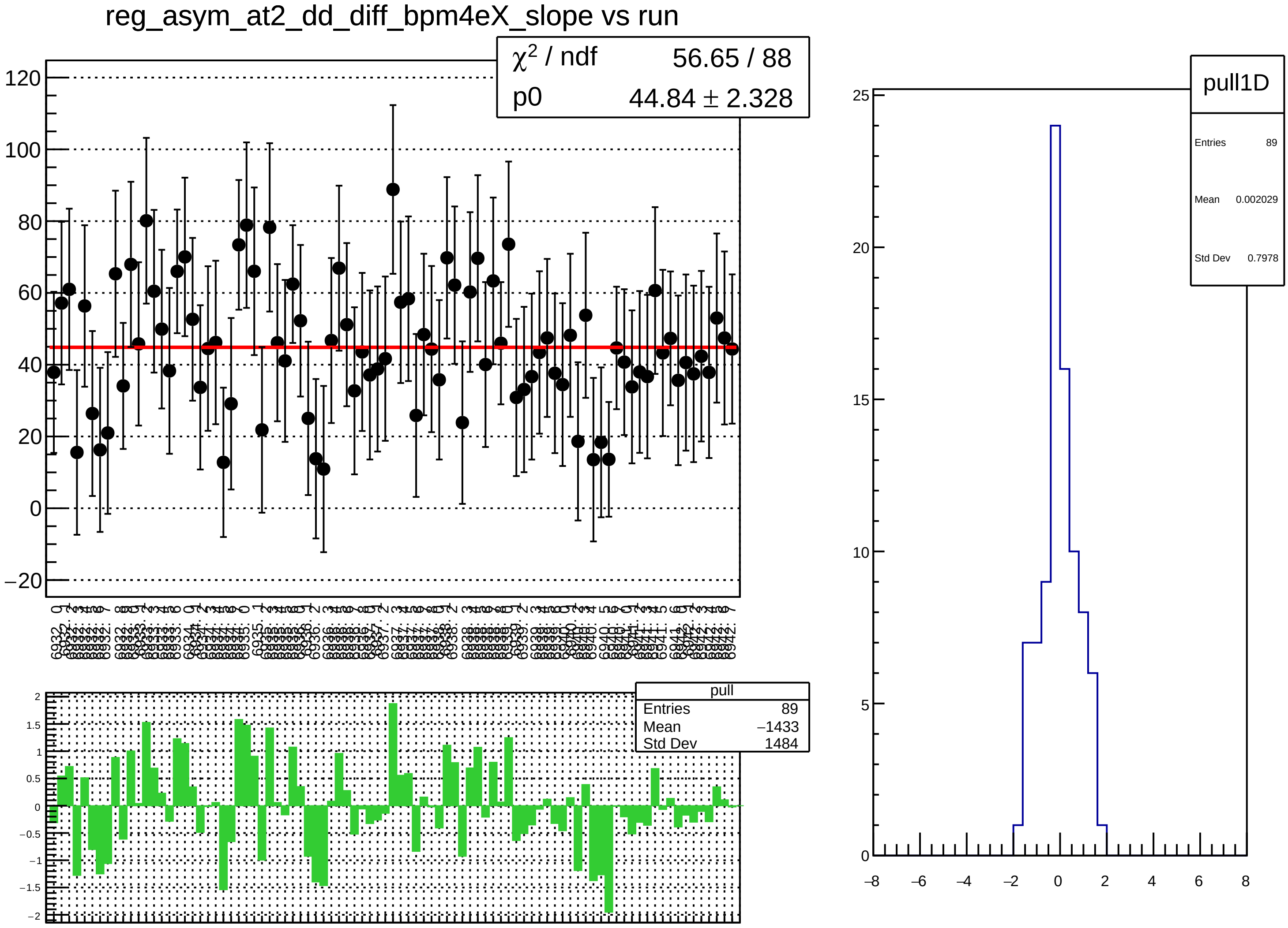




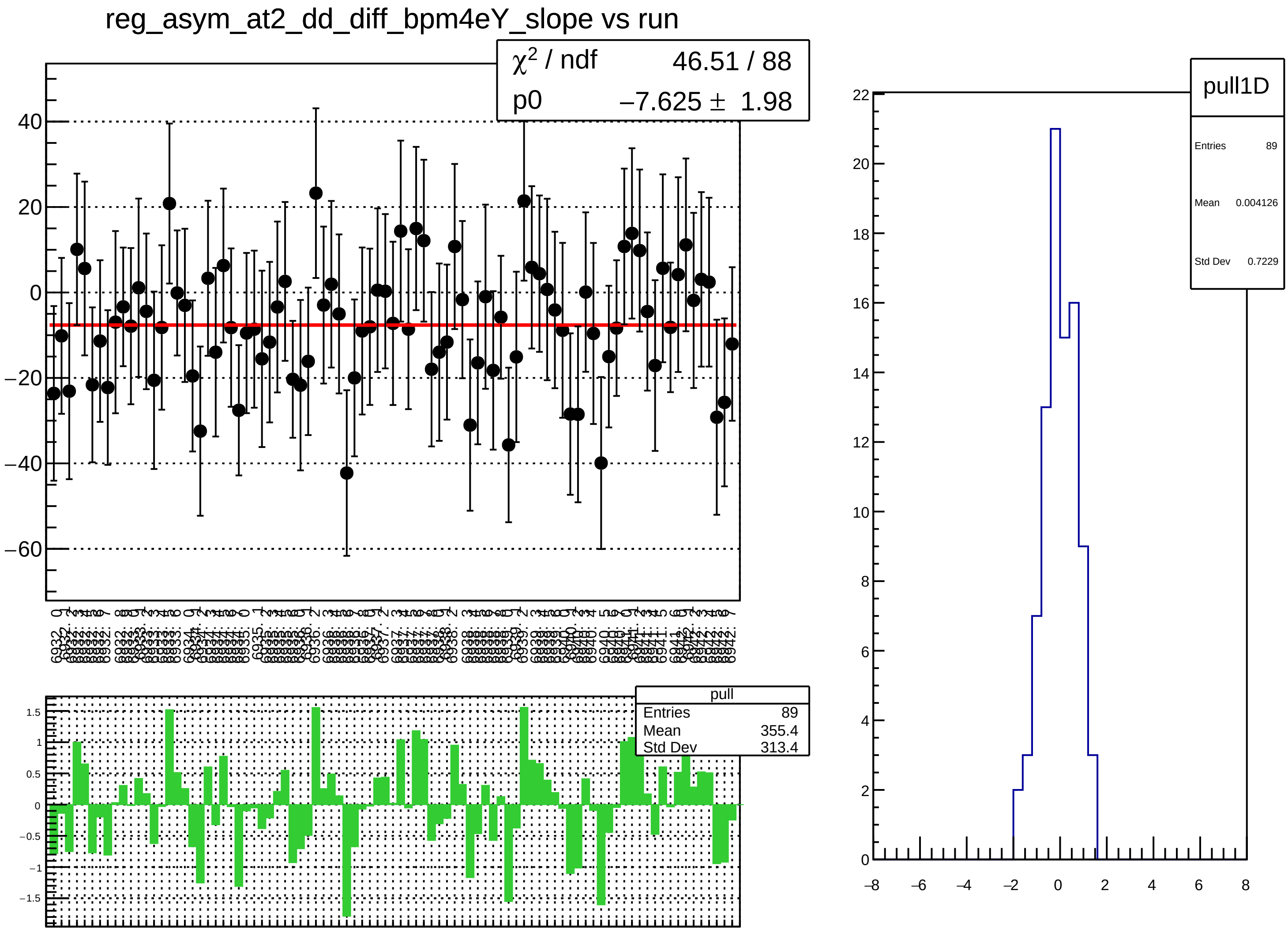

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ2 / ndf 57.81 / 88
p0 43.86 ± 2.504
pull
Entries 89
Mean −681.7
Std Dev 733.3
pull1D
Entries 89
Mean −0.004183
Std Dev 0.8059



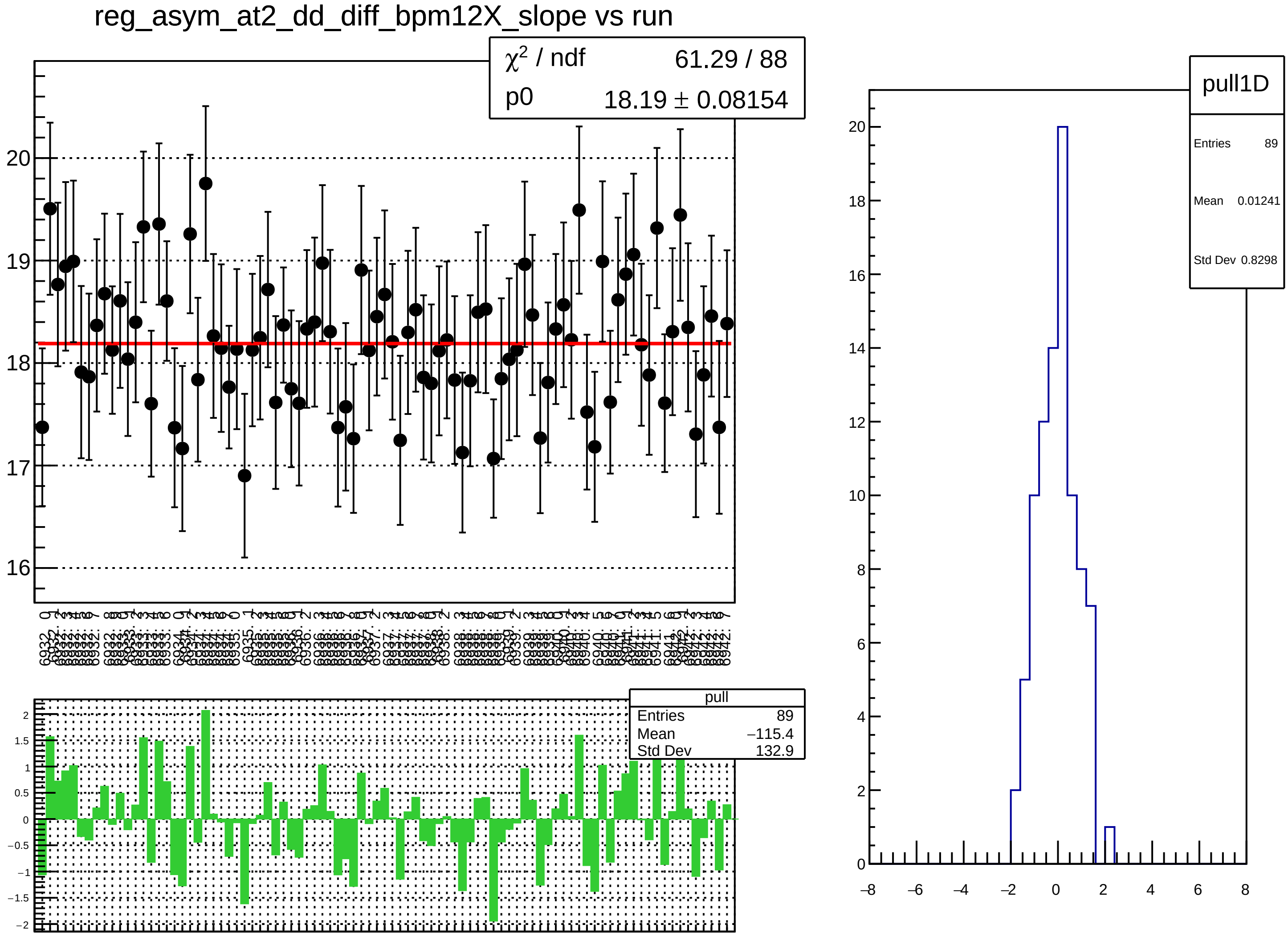
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 49.17 / 88
p0 −1.283 ± 1.714
pull
Entries 89
Mean −4508
Std Dev 4543
pull1D
Entries 89
Mean 0.0001849
Std Dev 0.7433



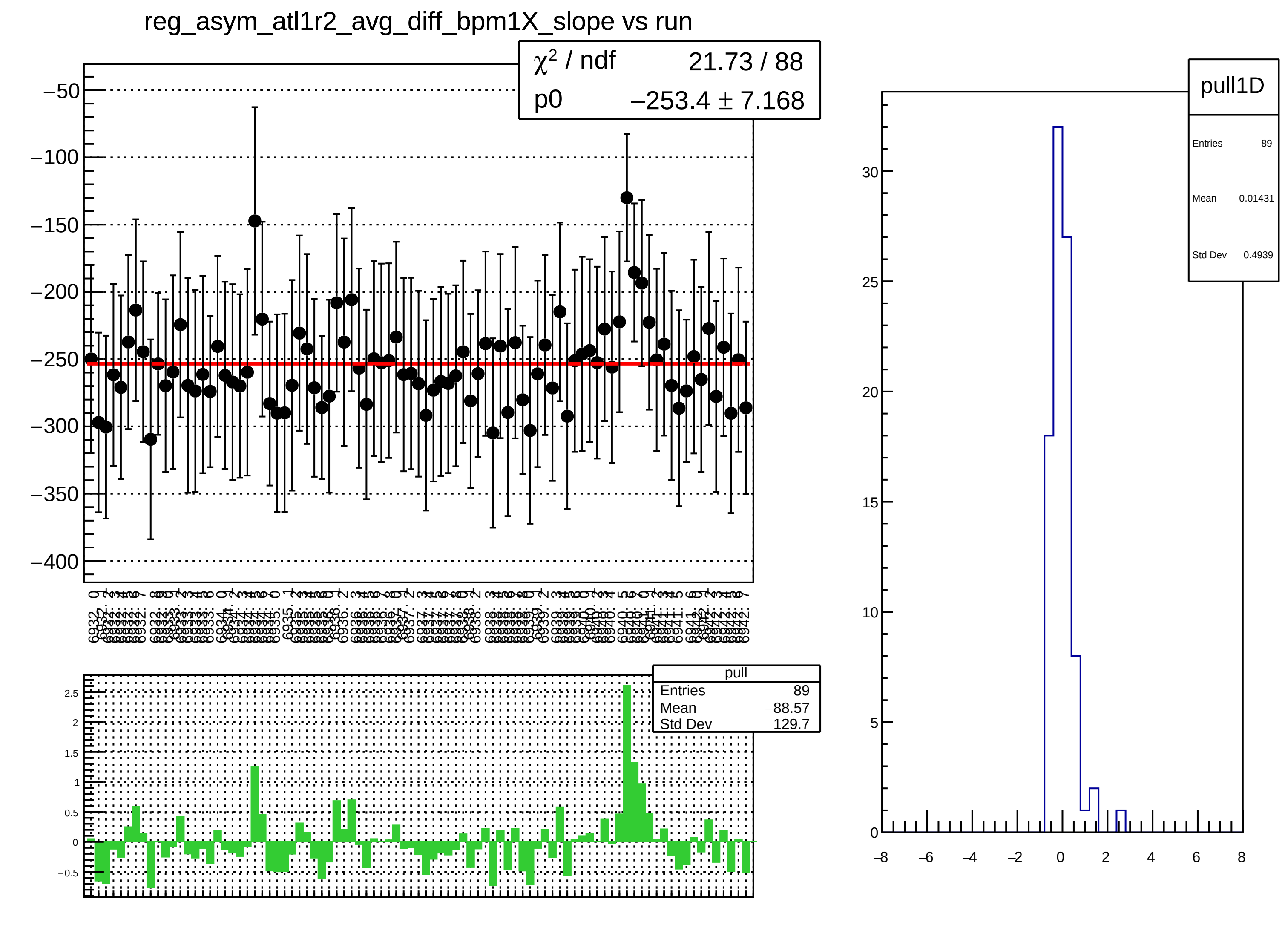
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 56.65 / 88
p0 44.84 ± 2.328
pull
Entries 89
Mean −1433
Std Dev 1484
pull1D
Entries 89
Mean 0.002029
Std Dev 0.7978



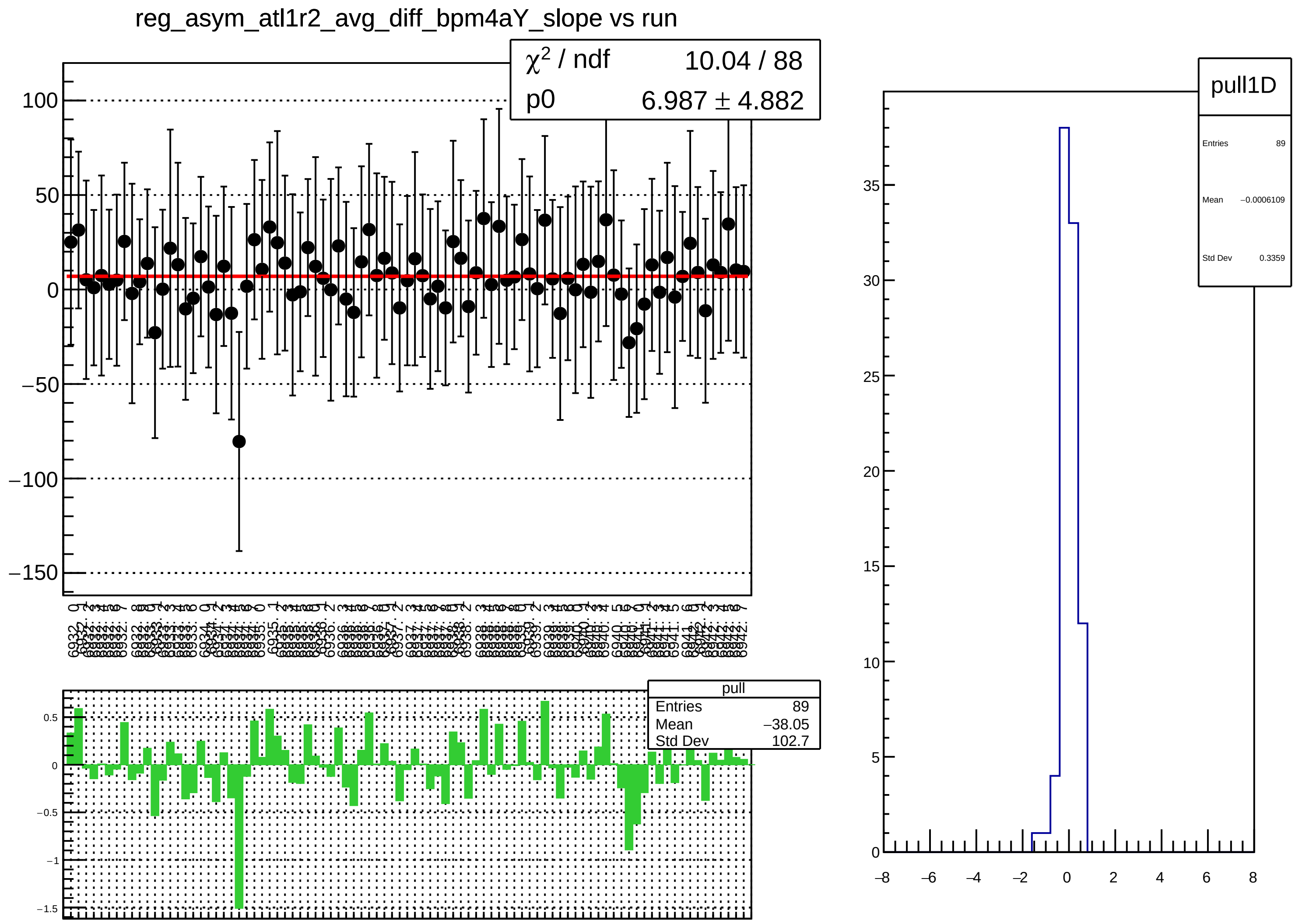
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 46.51 / 88
p0 −7.625 ± 1.98
pull
Entries 89
Mean 355.4
Std Dev 313.4
pull1D
Entries 89
Mean 0.004126
Std Dev 0.7229

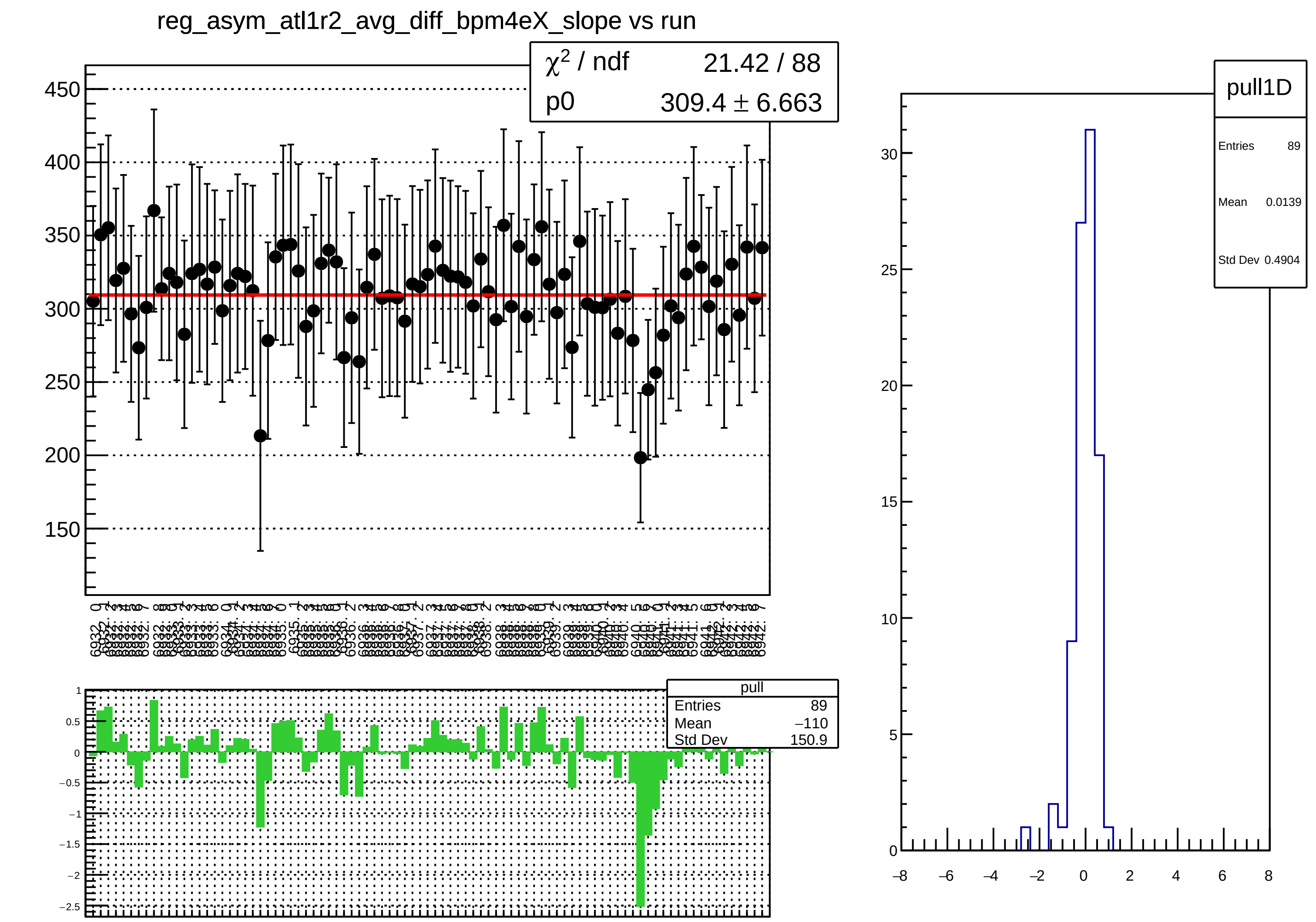


reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 61.29 / 88
p0 18.19 ± 0.08154
pull
Entries 89
Mean −115.4
Std Dev 132.9
pull1D
Entries 89
Mean 0.01241
Std Dev 0.8298

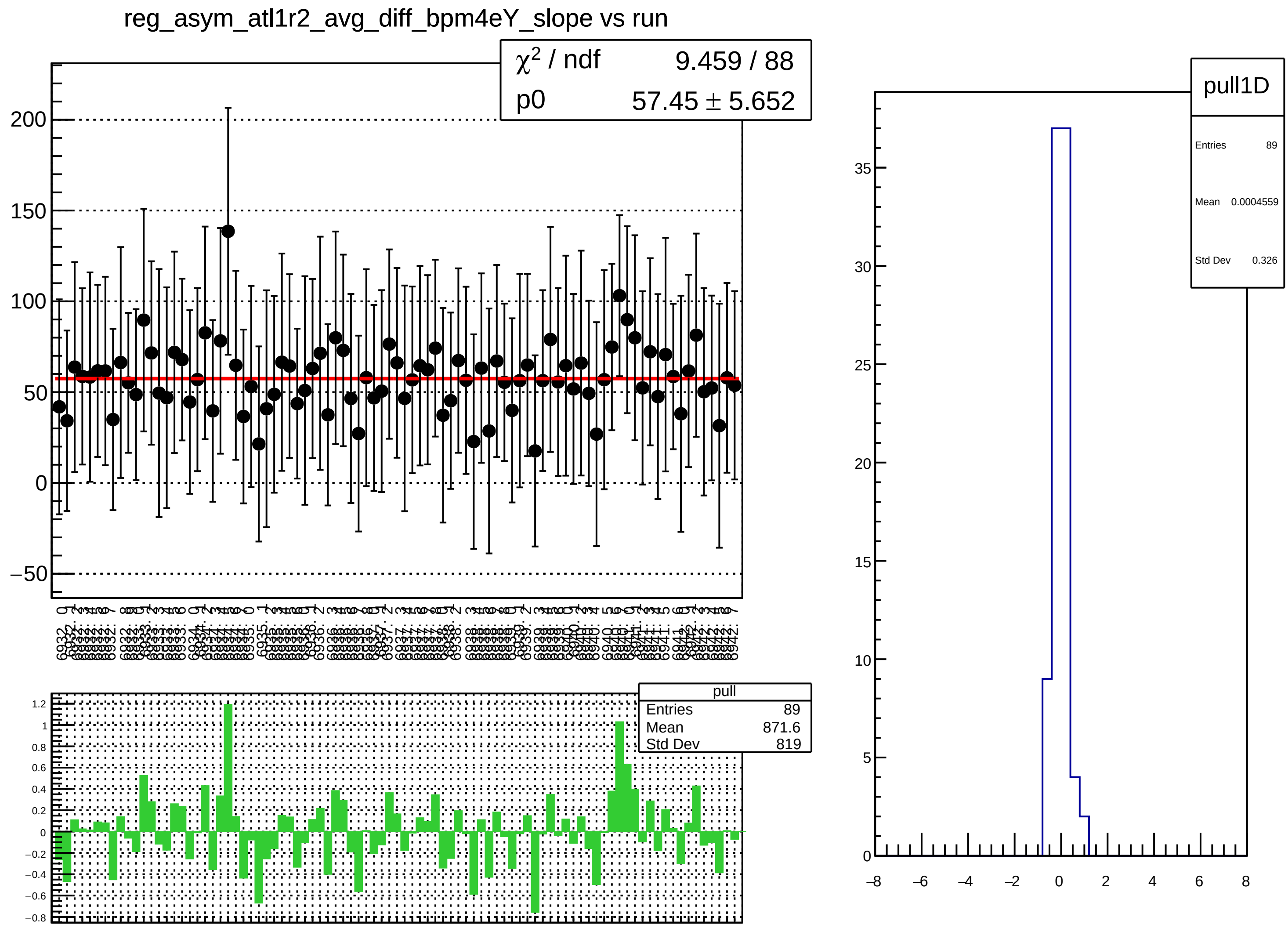


reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 21.73 / 88
p0 −253.4 ± 7.168
pull
Entries 89
Mean −88.57
Std Dev 129.7
pull1D
Entries 89
Mean −0.01431
Std Dev 0.4939


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 10.04 / 88
p0 6.987 ± 4.882
pull
Entries 89
Mean −38.05
Std Dev 102.7
pull1D
Entries 89
Mean −0.0006109
Std Dev 0.3359

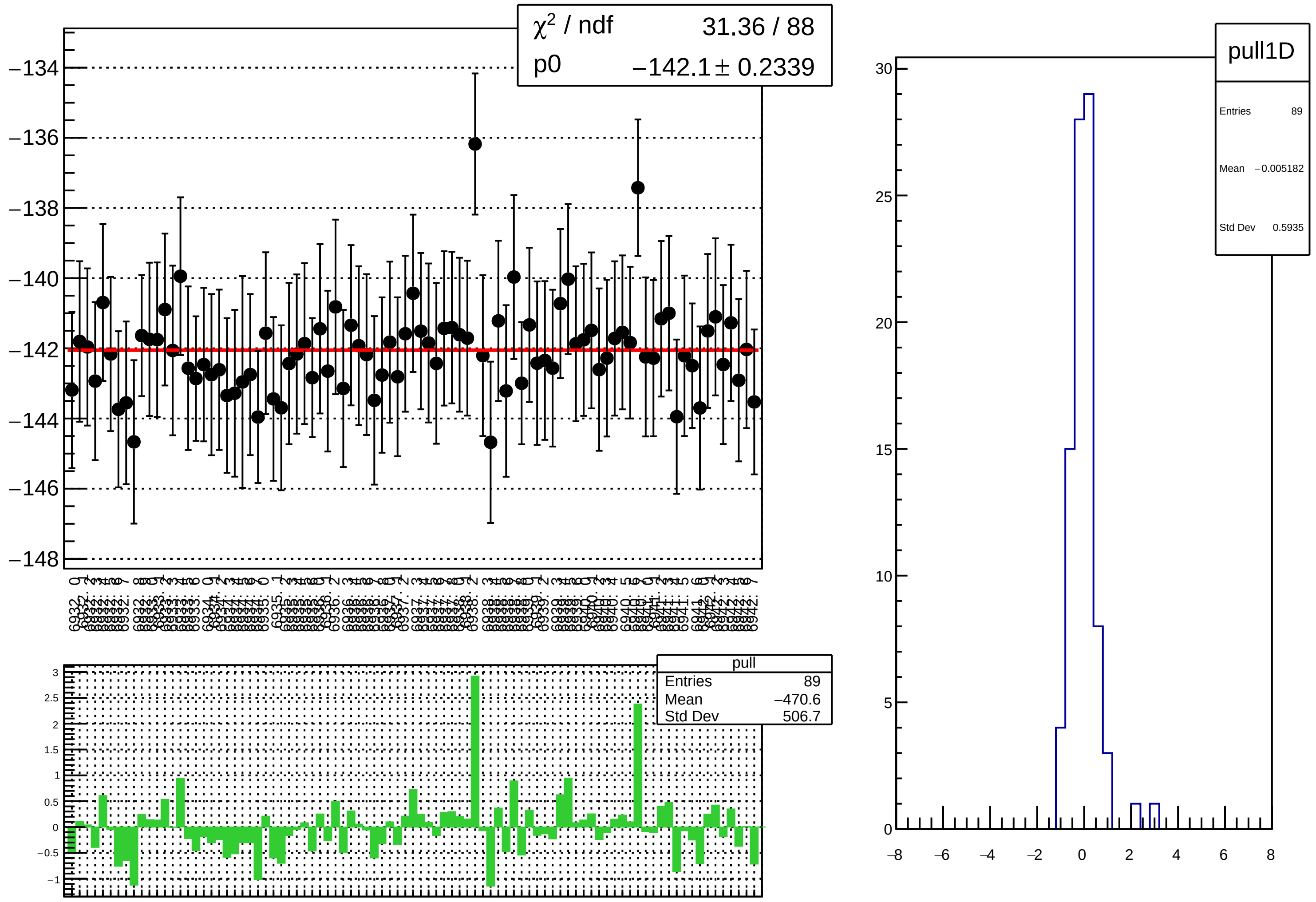


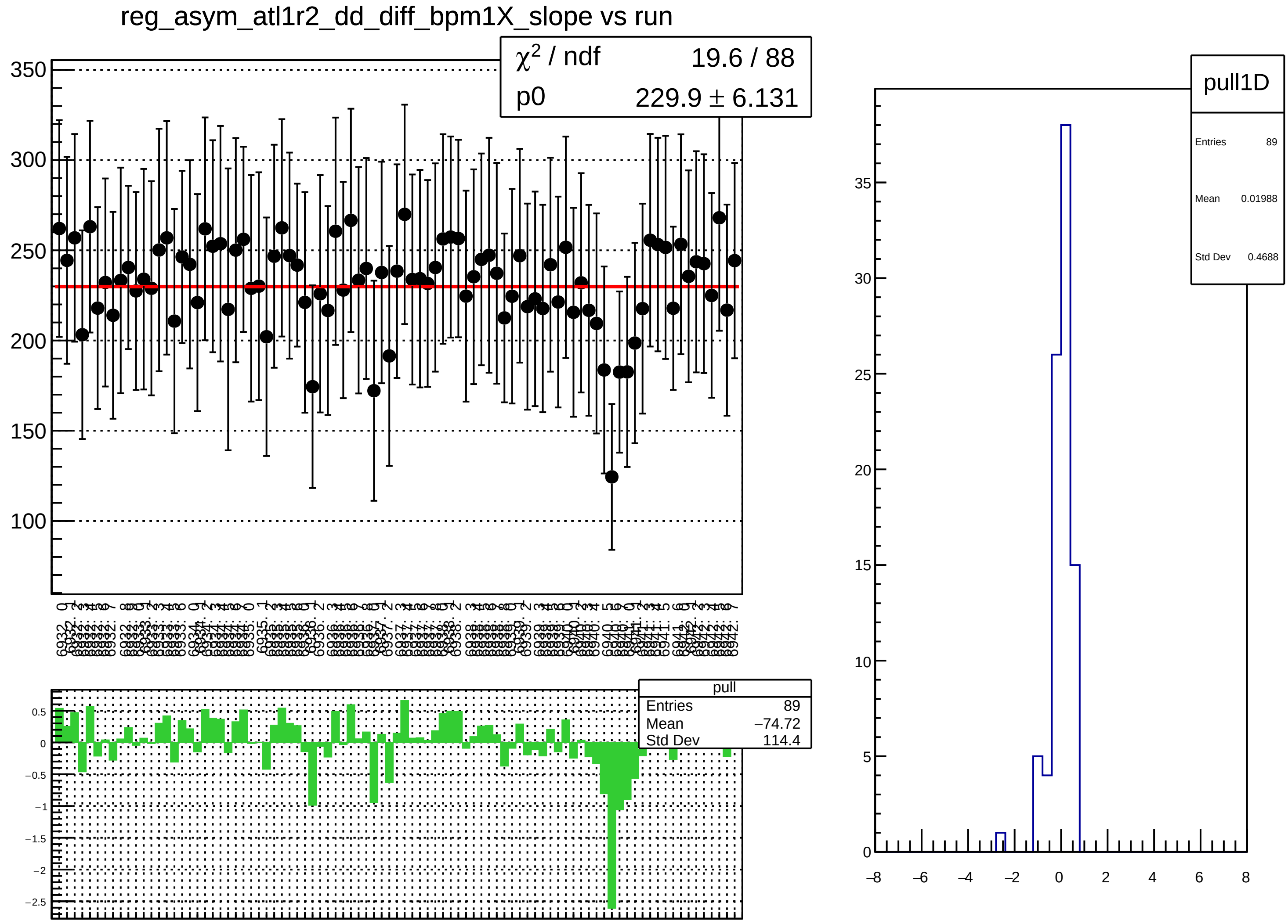
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 21.42 / 88
p0 309.4 ± 6.663
pull
Entries 89
Mean −110
Std Dev 150.9
pull1D
Entries 89
Mean 0.0139
Std Dev 0.4904

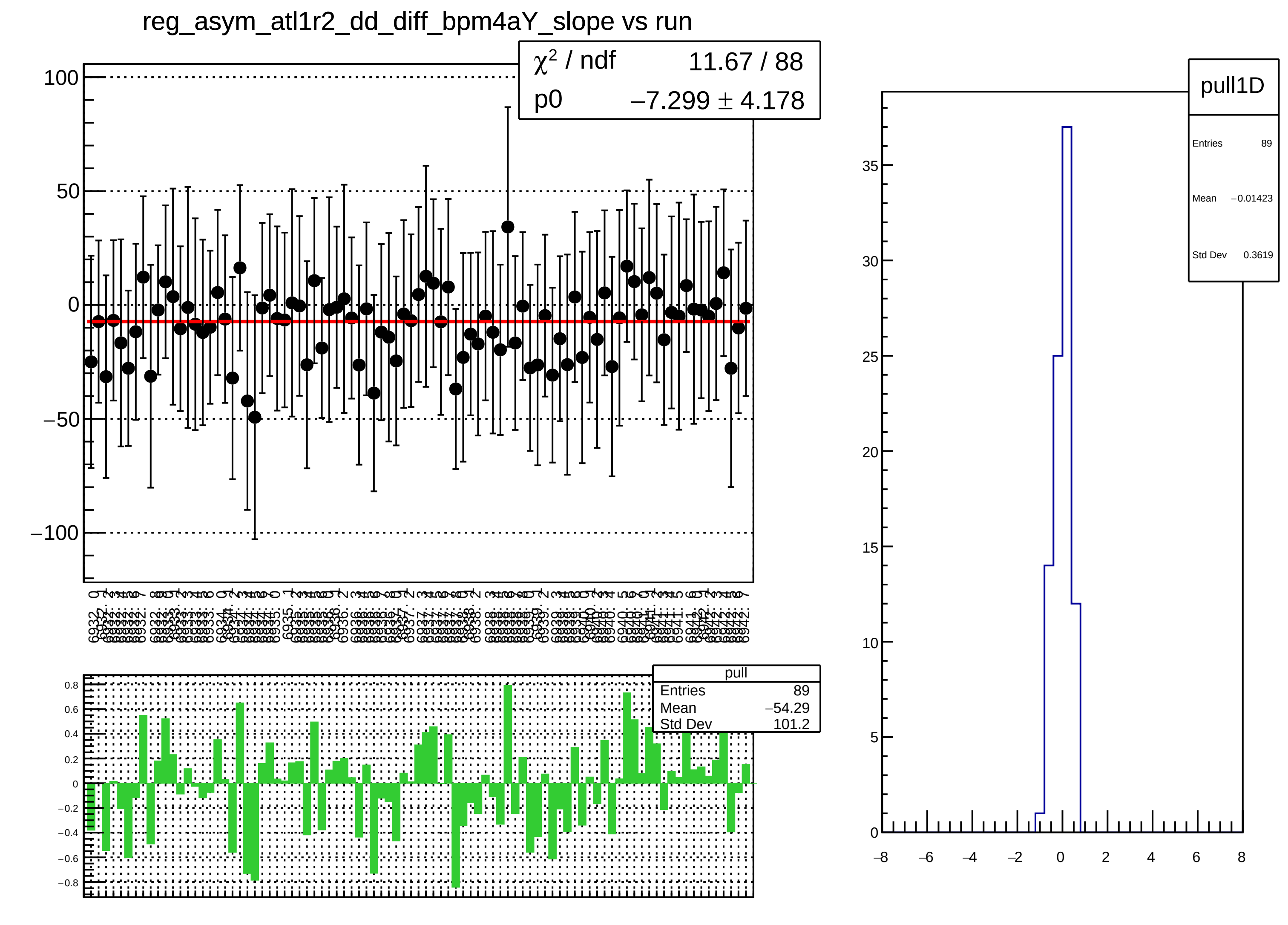


reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 9.459 / 88
p0 57.45 ± 5.652
pull
Entries 89
Mean 871.6
Std Dev 819
pull1D
Entries 89
Mean 0.0004559
Std Dev 0.326

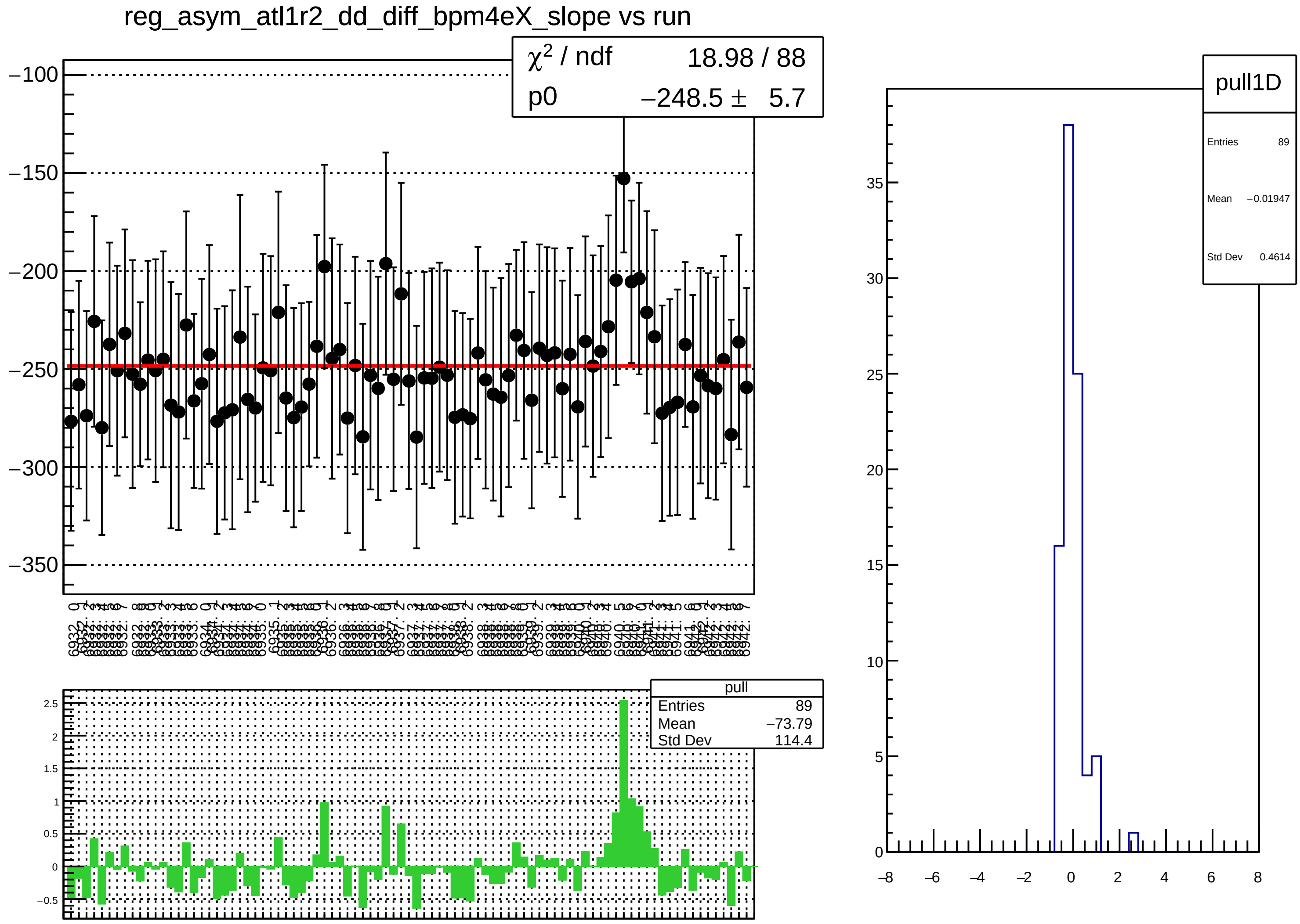
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run



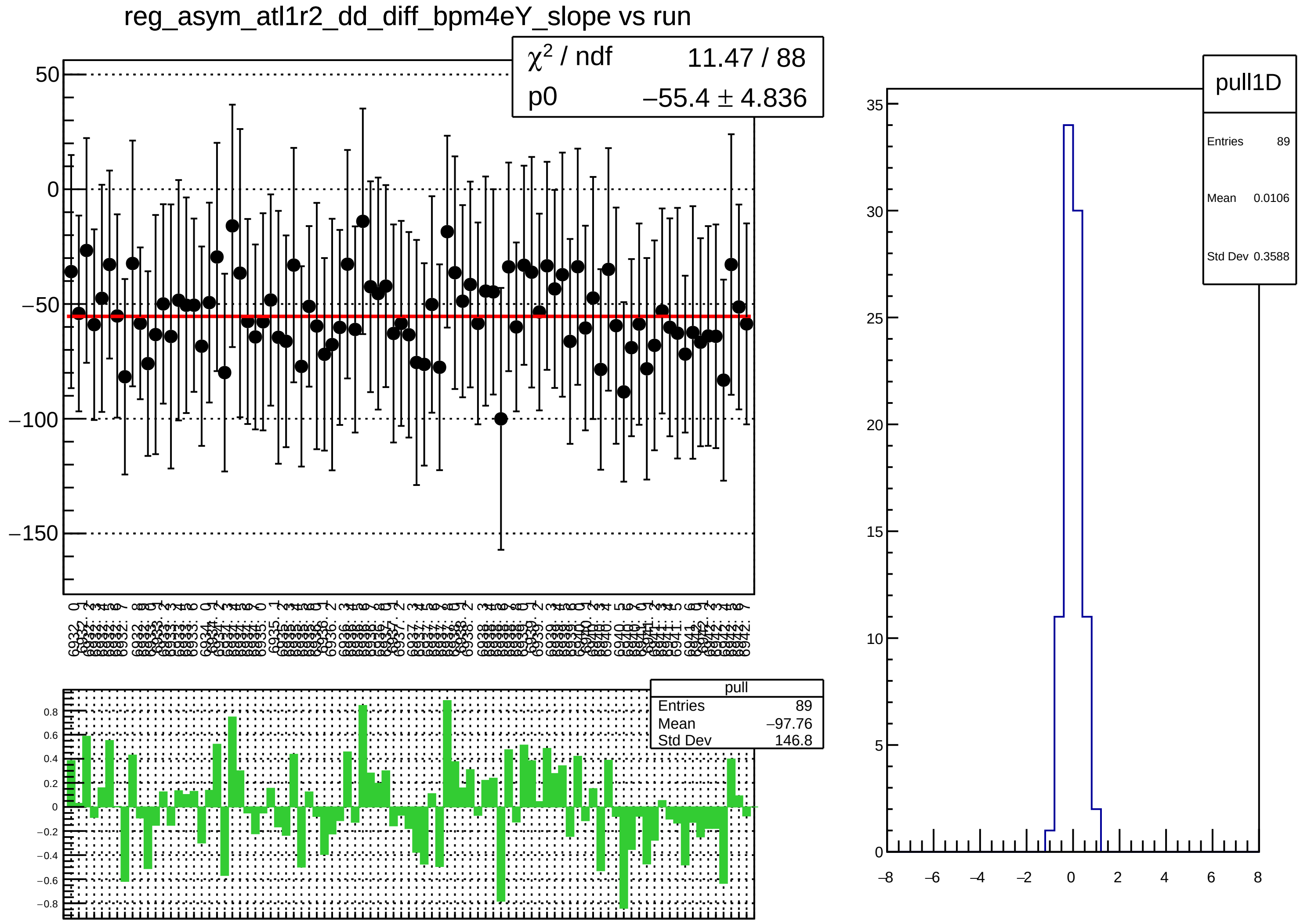

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ2 / ndf 19.6 / 88
p0 229.9 ± 6.131
pull
Entries 89
Mean −74.72
Std Dev 114.4
pull1D
Entries 89
Mean 0.01988
Std Dev 0.4688



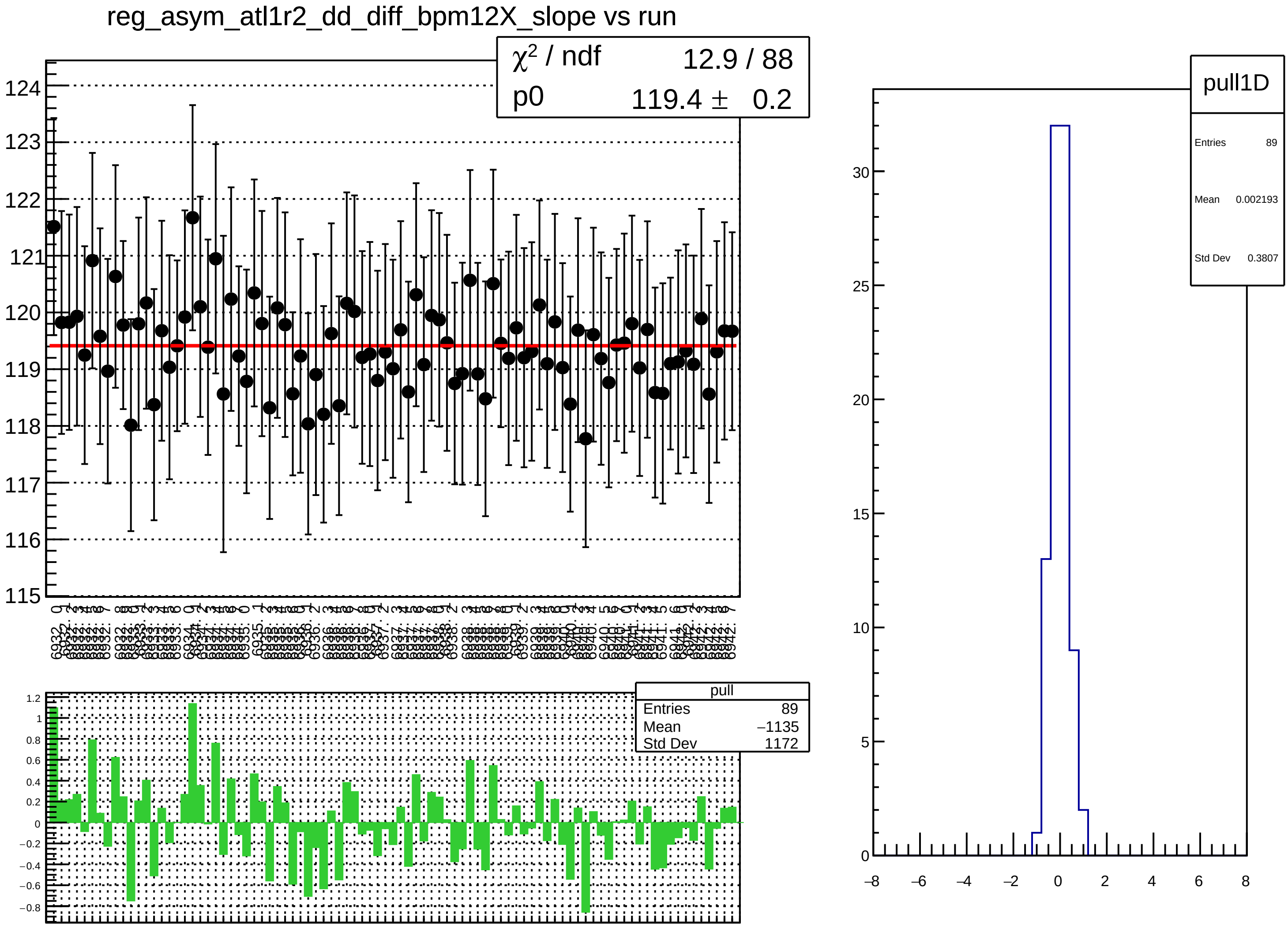
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.67 / 88
p0 −7.299 ± 4.178
pull
Entries 89
Mean −54.29
Std Dev 101.2
pull1D
Entries 89
Mean −0.01423
Std Dev 0.3619



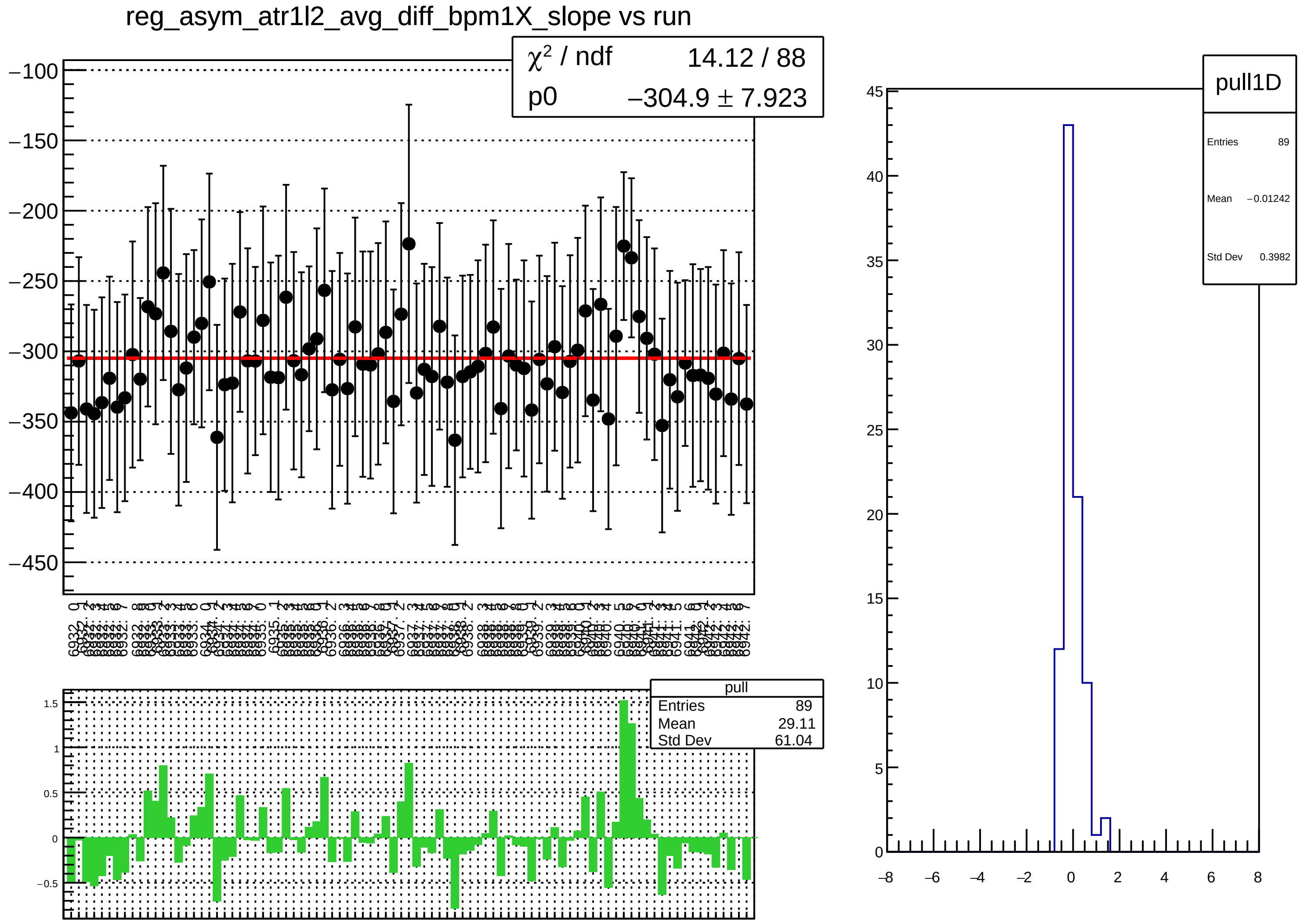
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 18.98 / 88
p0 −248.5 ± 5.7
pull
Entries 89
Mean −73.79
Std Dev 114.4
pull1D
Entries 89
Mean −0.01947
Std Dev 0.4614



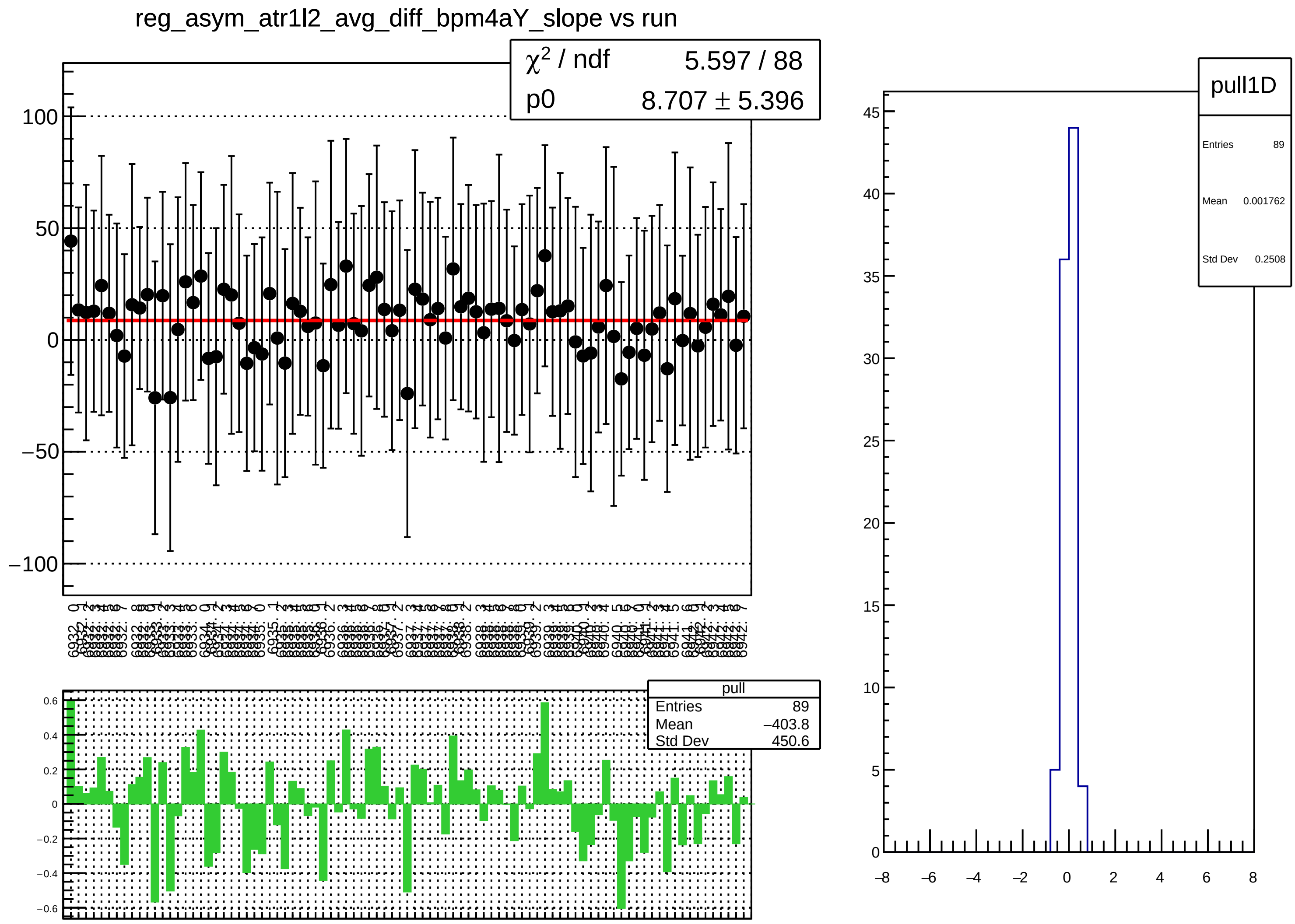
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.47 / 88
p0 −55.4 ± 4.836
pull
Entries 89
Mean −97.76
Std Dev 146.8
pull1D
Entries 89
Mean 0.0106
Std Dev 0.3588

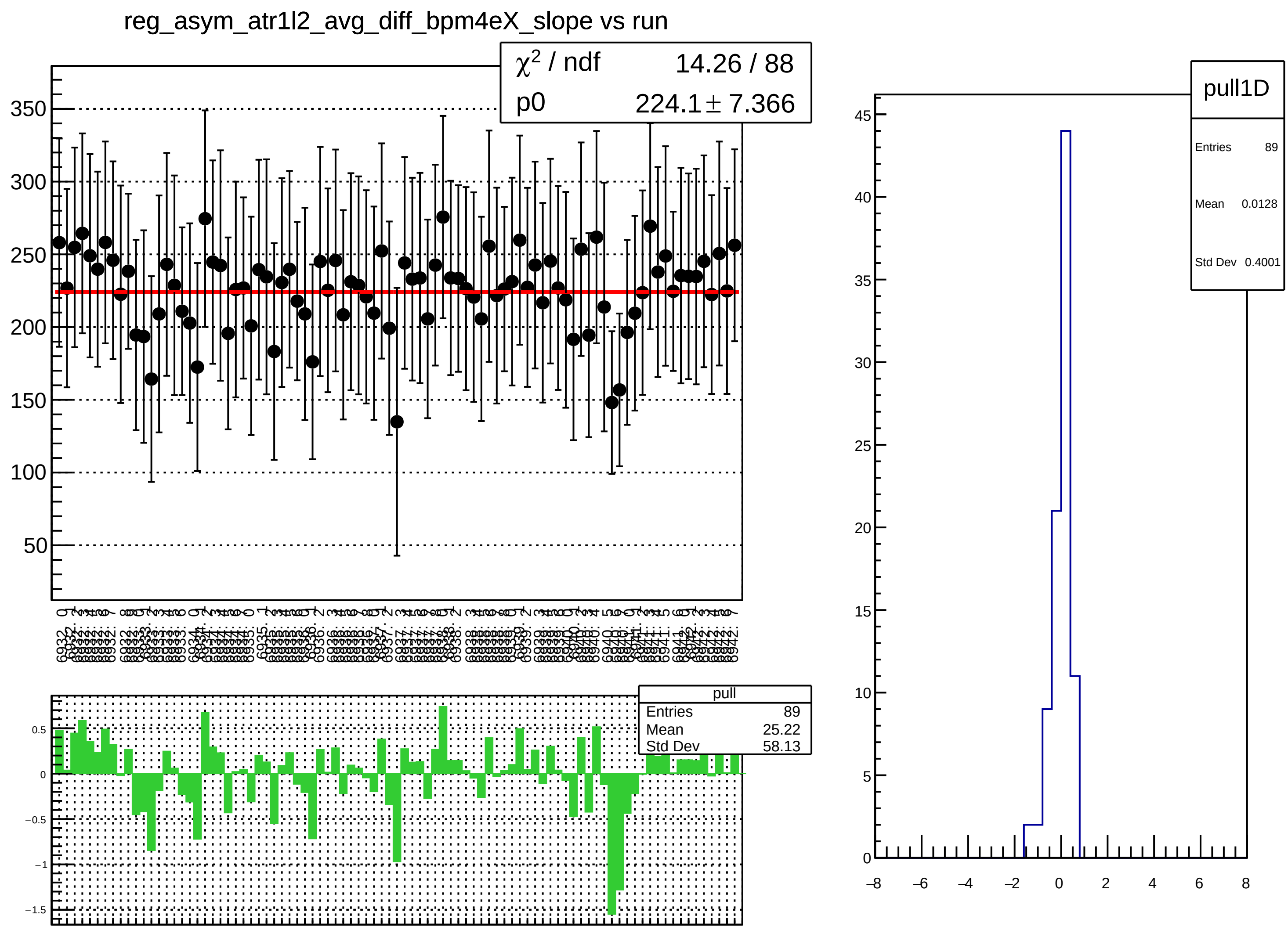


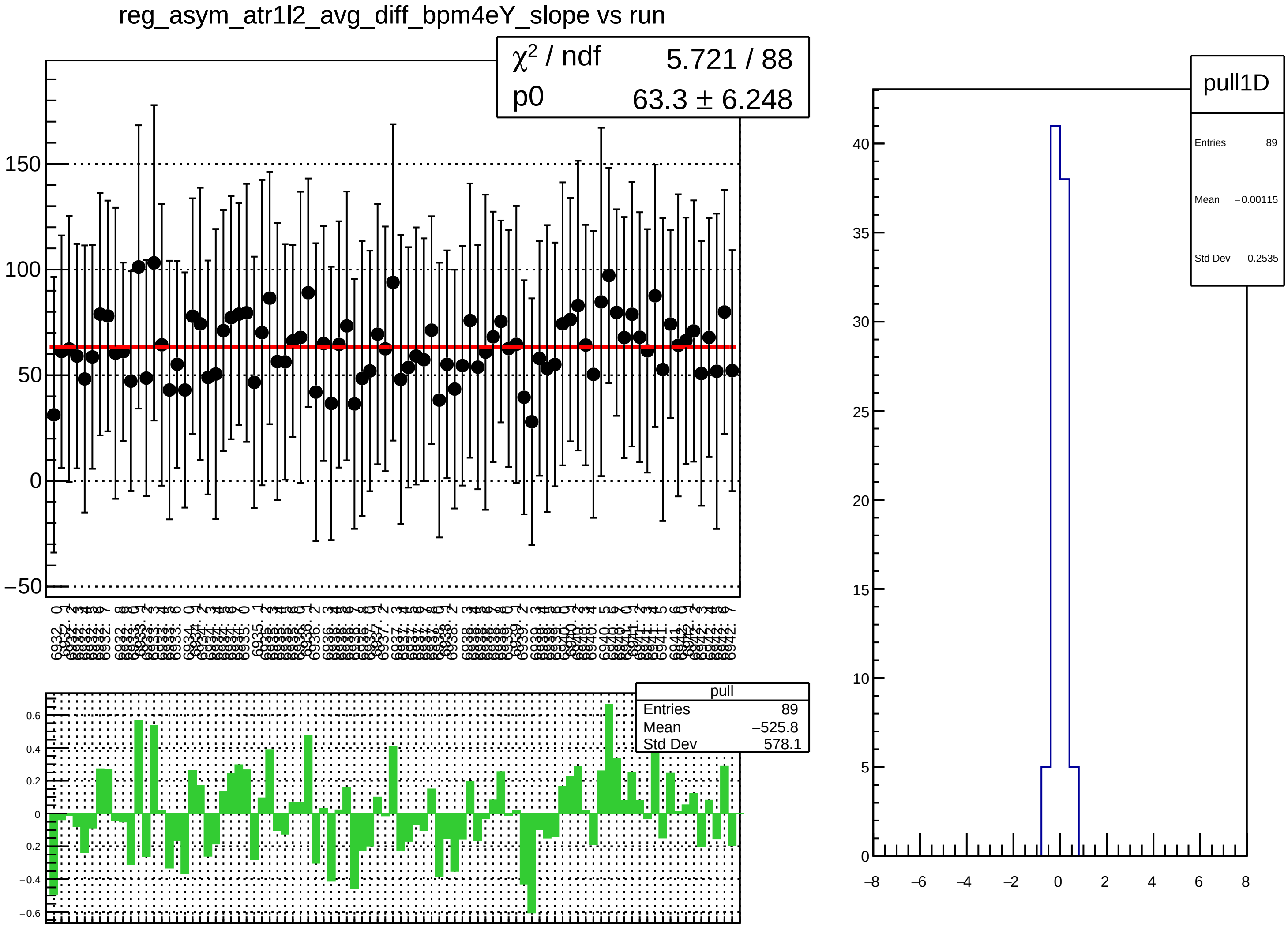
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.9 / 88
p0 119.4 ± 0.2
pull
Entries 89
Mean −1135
Std Dev 1172
pull1D
Entries 89
Mean 0.002193
Std Dev 0.3807



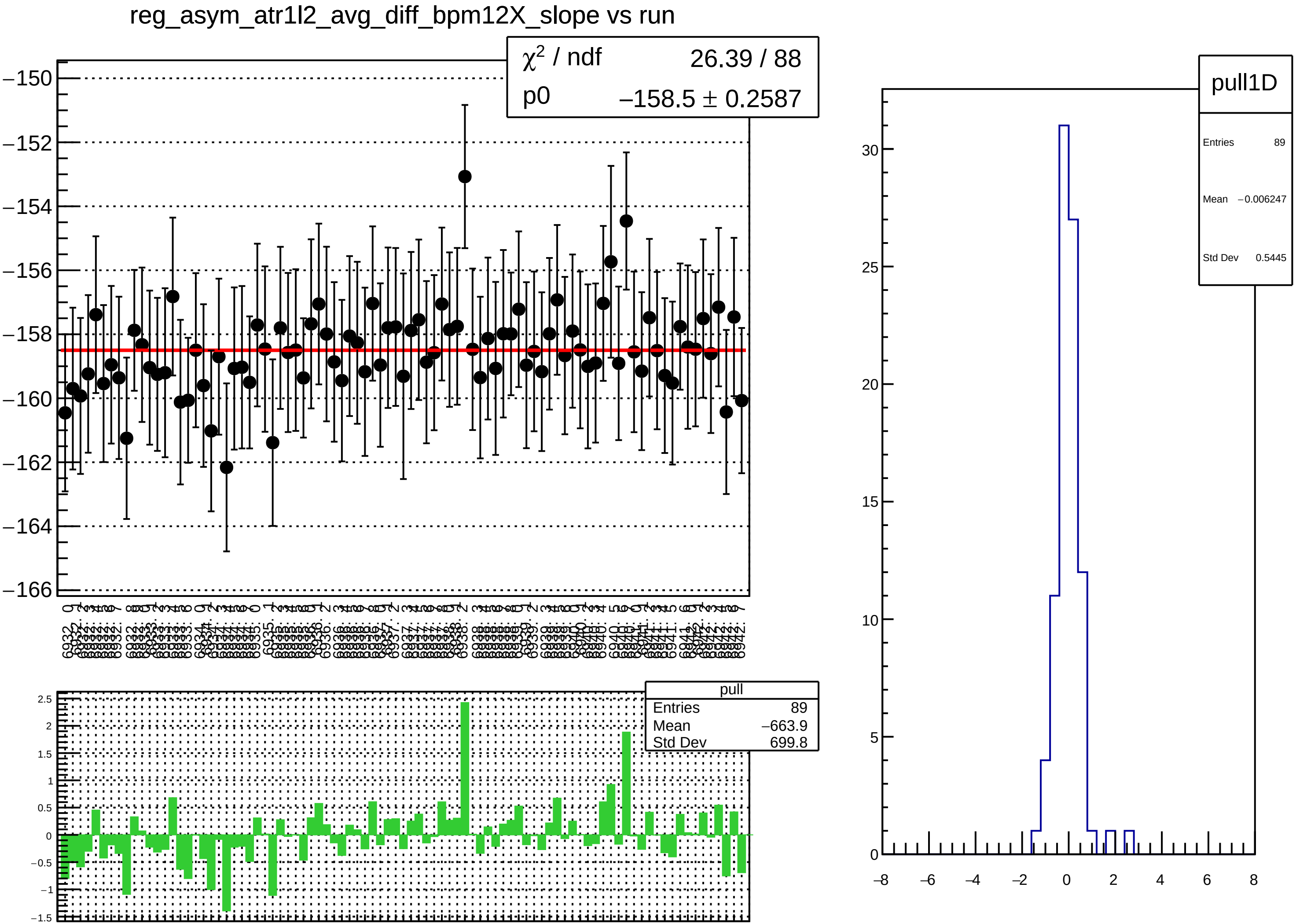
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.12 / 88
p0 −304.9 ± 7.923
pull
Entries 89
Mean 29.11
Std Dev 61.04
pull1D
Entries 89
Mean −0.01242
Std Dev 0.3982


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.597 / 88
p0 8.707 ± 5.396
pull
Entries 89
Mean −403.8
Std Dev 450.6
pull1D
Entries 89
Mean 0.001762
Std Dev 0.2508


reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 14.26 / 88
p0 224.1 ± 7.366
pull
Entries 89
Mean 25.22
Std Dev 58.13
pull1D
Entries 89
Mean 0.0128
Std Dev 0.4001

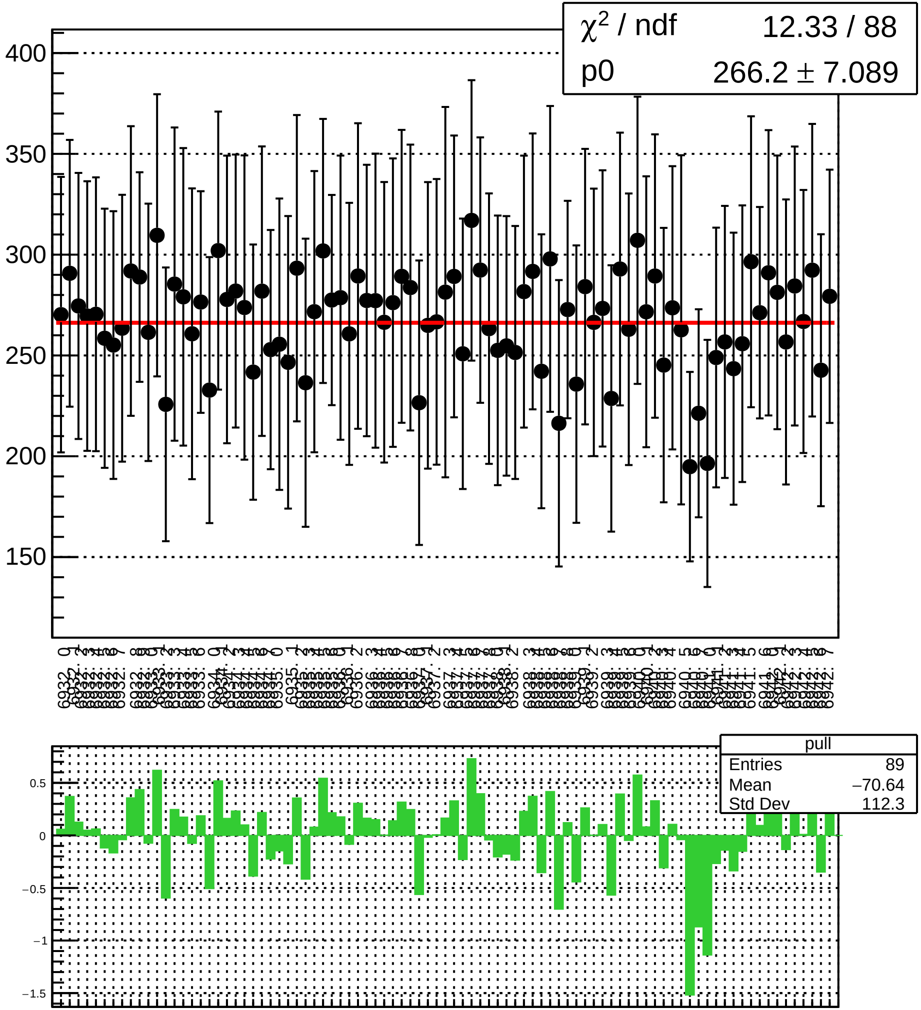


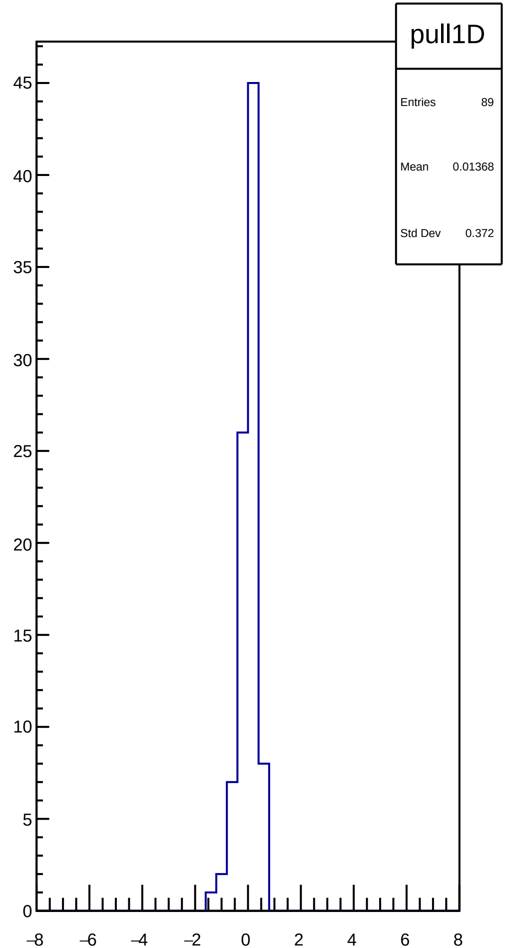
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 5.721 / 88
p0 63.3 ± 6.248
pull
Entries 89
Mean −525.8
Std Dev 578.1
pull1D
Entries 89
Mean −0.00115
Std Dev 0.2535

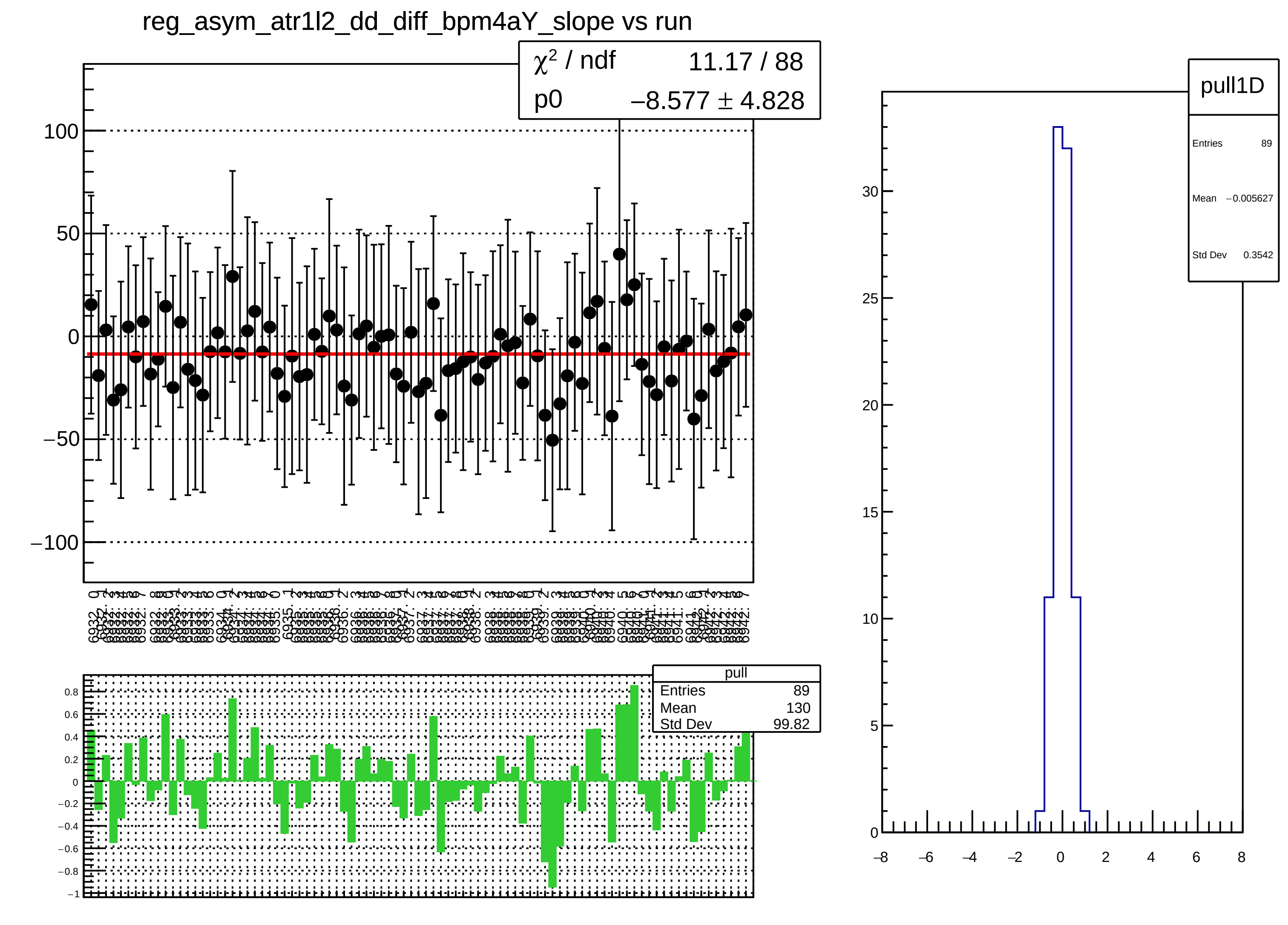


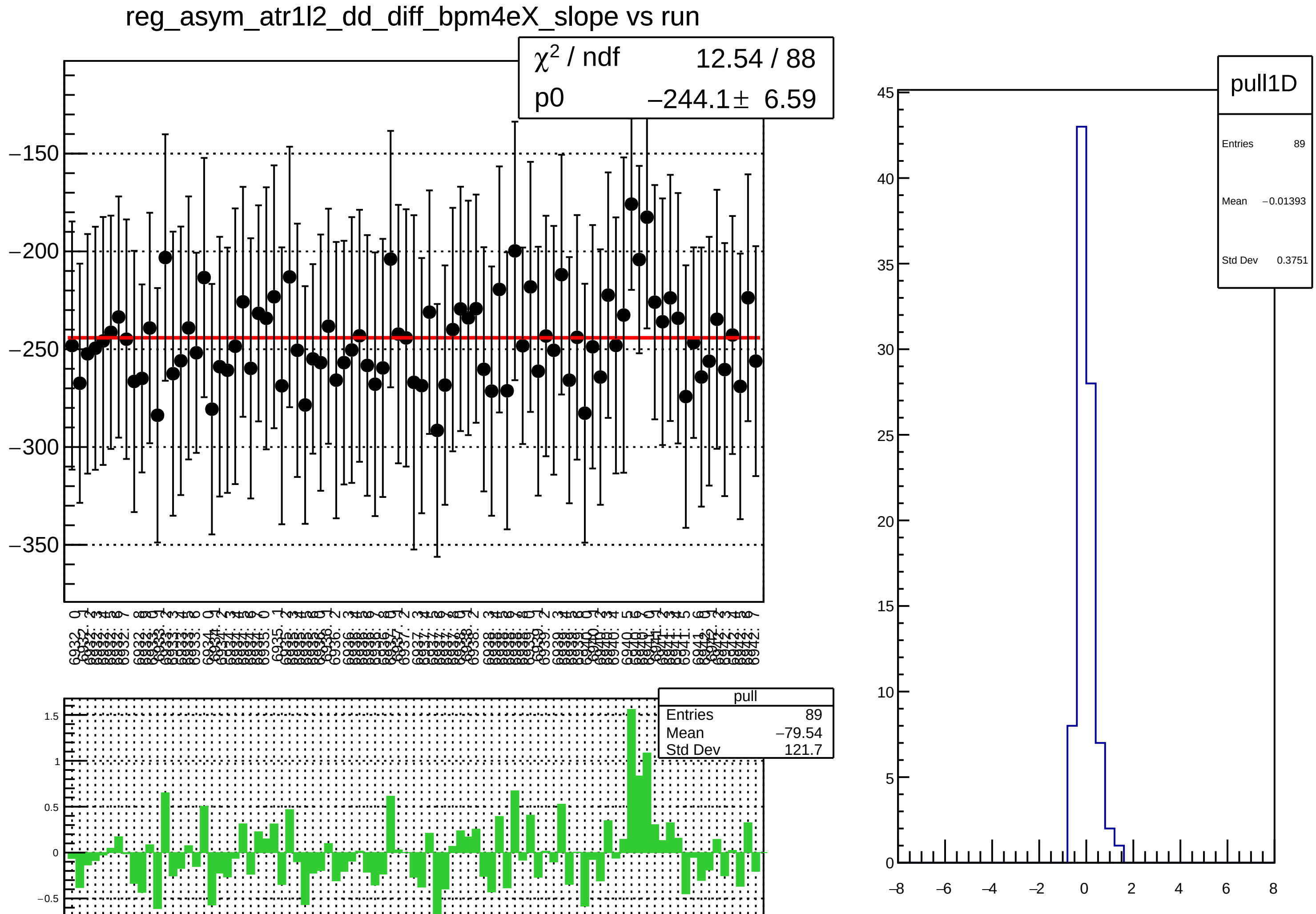
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ2 / ndf 26.39 / 88
p0 −158.5 ± 0.2587
pull
Entries 89
Mean −663.9
Std Dev 699.8
pull1D
Entries 89
Mean −0.006247
Std Dev 0.5445

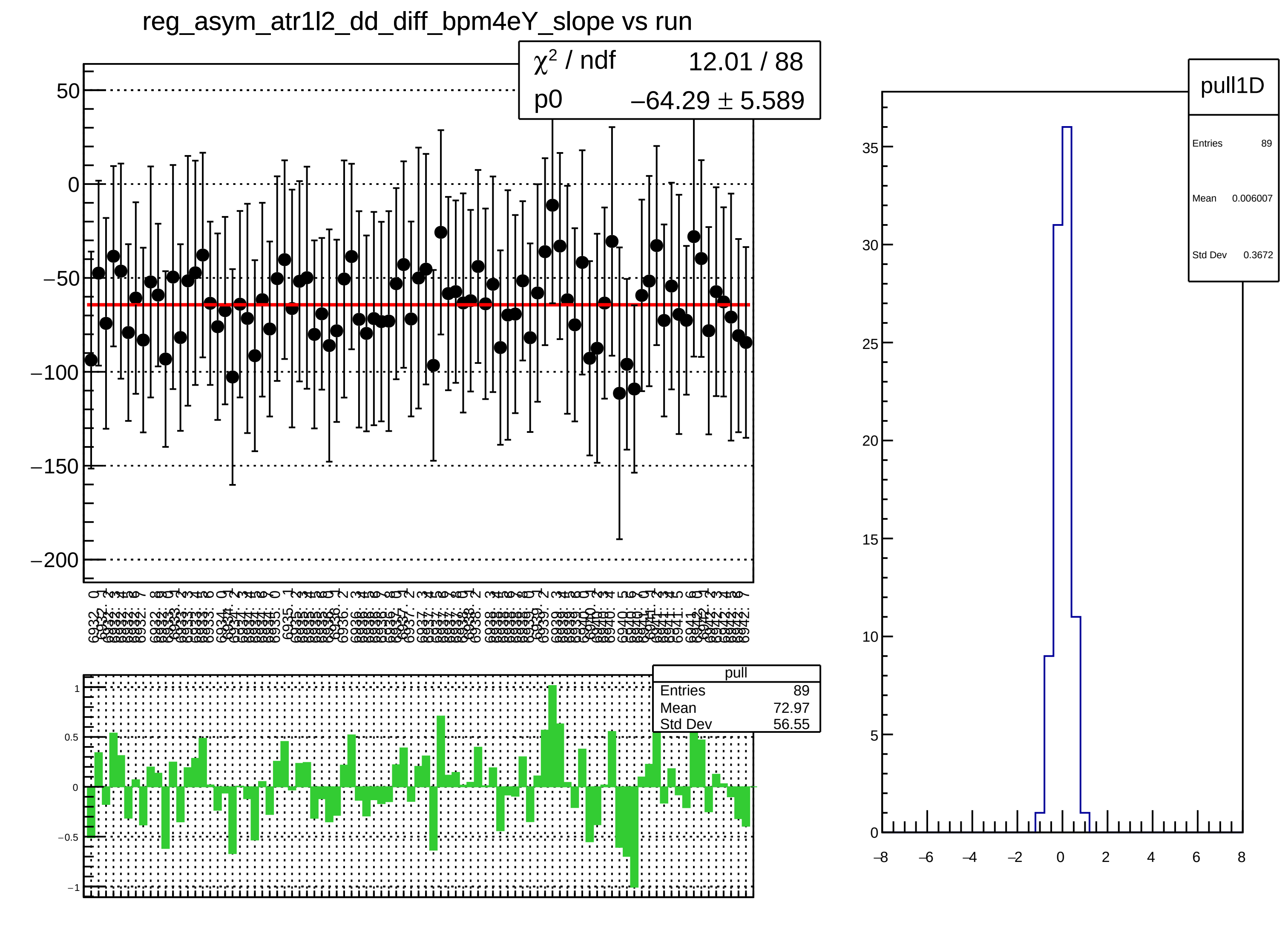
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run

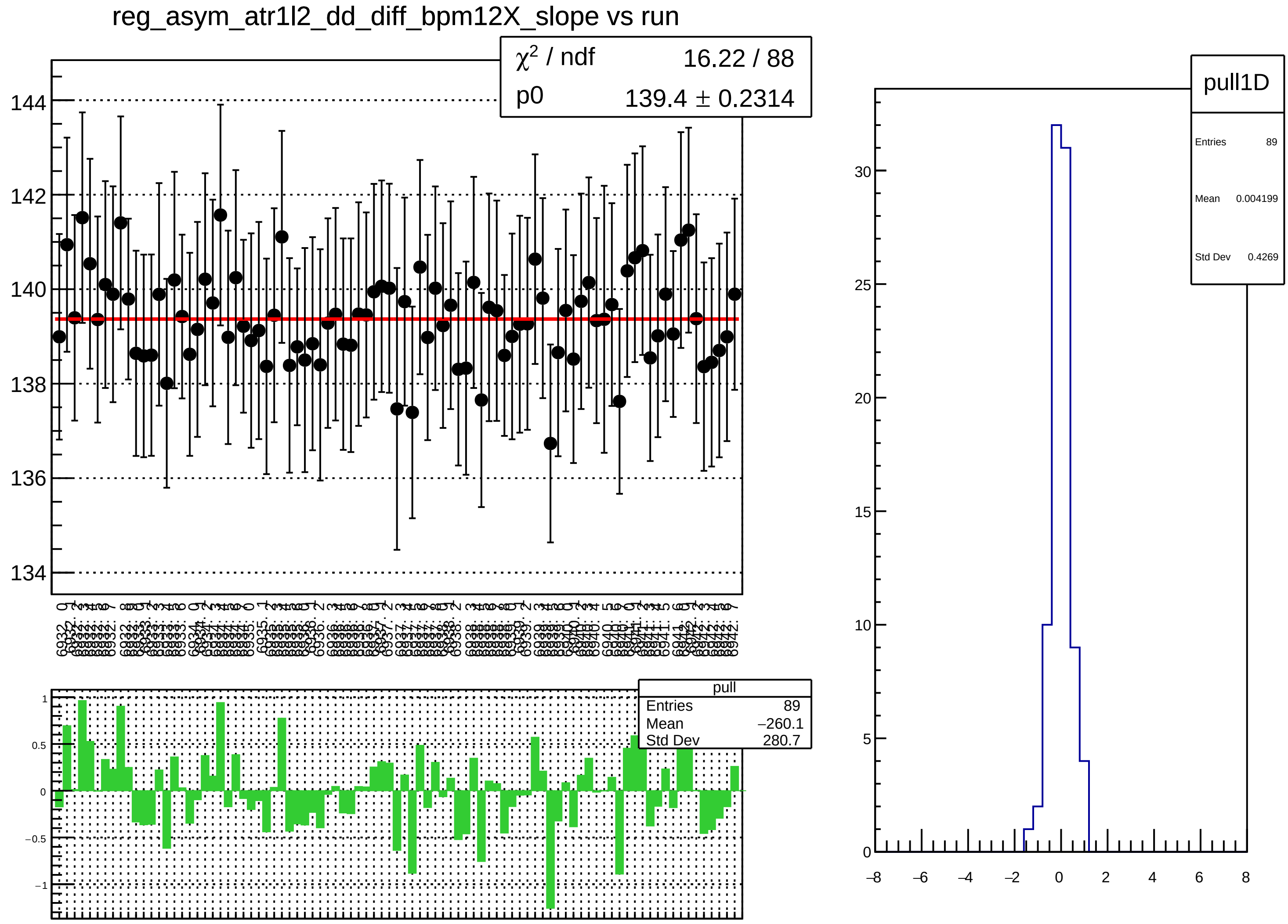




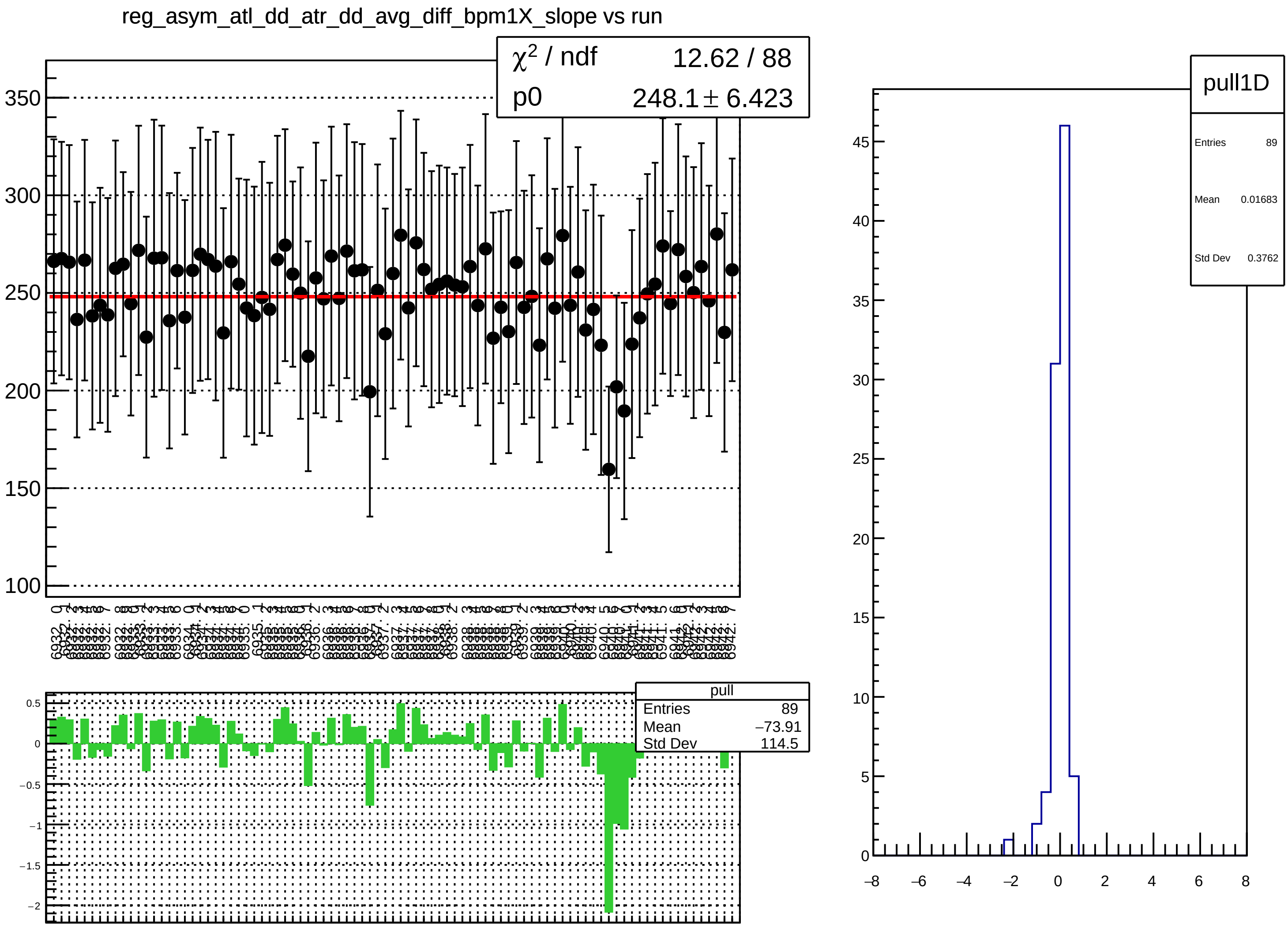

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 11.17 / 88
p0 −8.577 ± 4.828
100
50
0
−50
−100
pull
Entries 89
Mean 130
Std Dev 99.82
pull1D
Entries 89
Mean −0.005627
Std Dev 0.3542


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.54 / 88
p0 −244.1 ± 6.59
pull
Entries 89
Mean −79.54
Std Dev 121.7
pull1D
Entries 89
Mean −0.01393
Std Dev 0.3751


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 12.01 / 88
p0 −64.29 ± 5.589
pull
Entries 89
Mean 72.97
Std Dev 56.55
pull1D
Entries 89
Mean 0.006007
Std Dev 0.3672

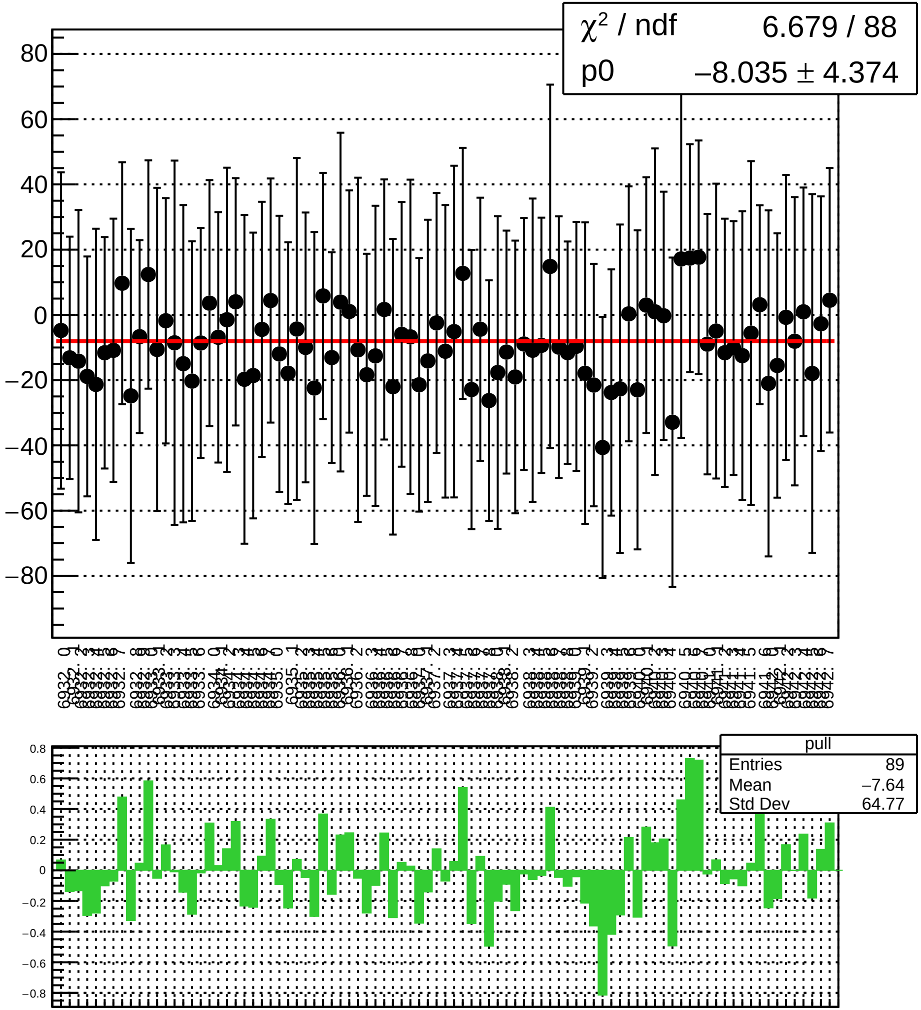


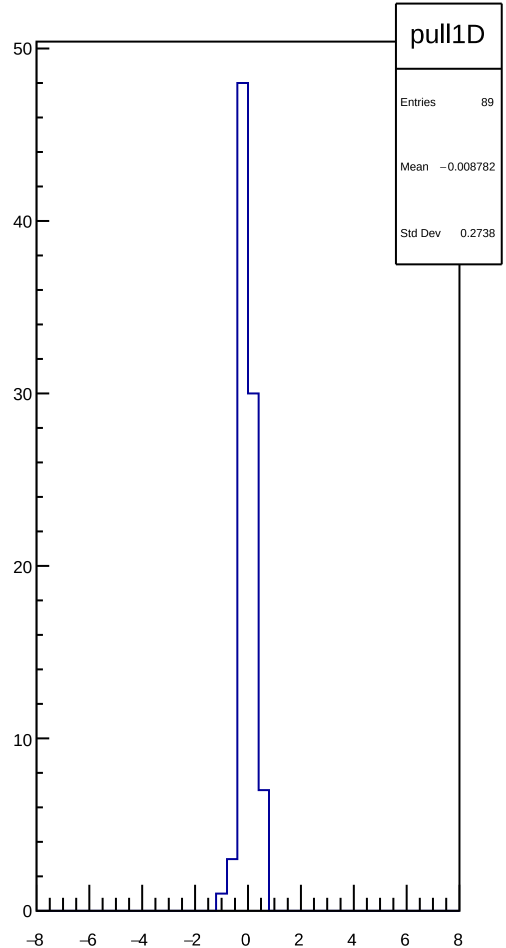
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.22 / 88
p0 139.4 ± 0.2314
pull
Entries 89
Mean −260.1
Std Dev 280.7
pull1D
Entries 89
Mean 0.004199
Std Dev 0.4269

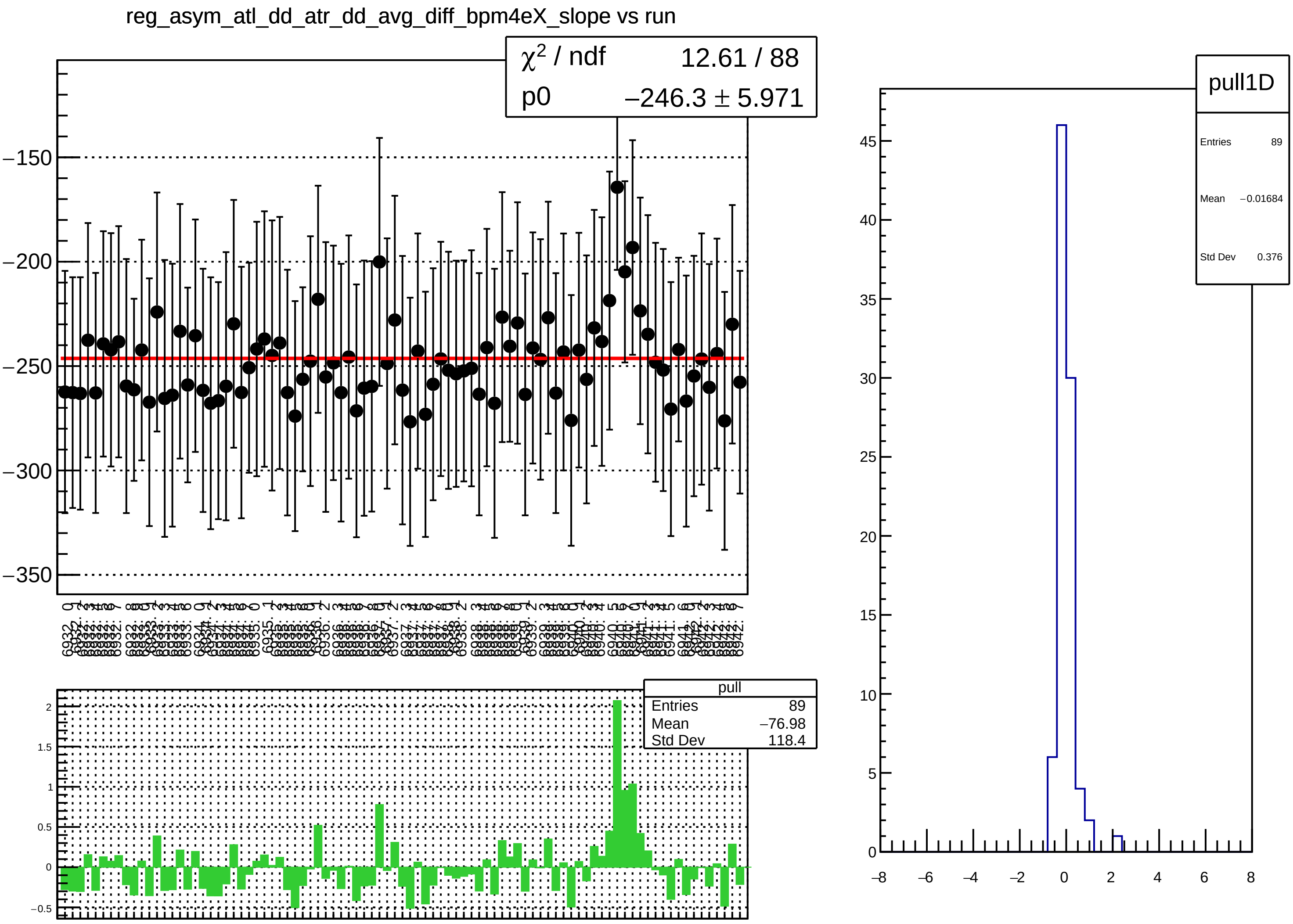


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ2 / ndf 12.62 / 88
p0 248.1 ± 6.423
pull
Entries 89
Mean −73.91
Std Dev 114.5
pull1D
Entries 89
Mean 0.01683
Std Dev 0.3762

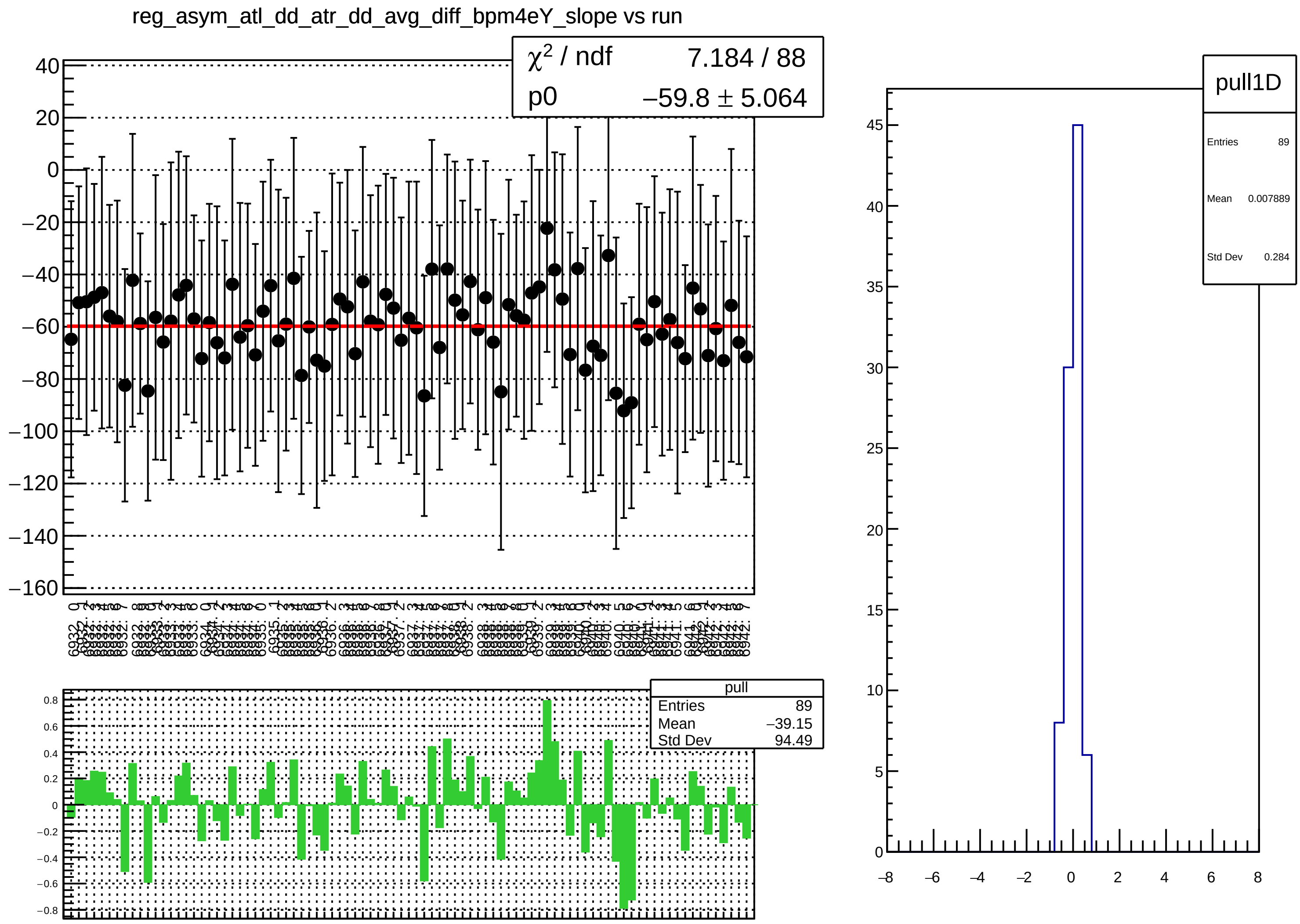
reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run



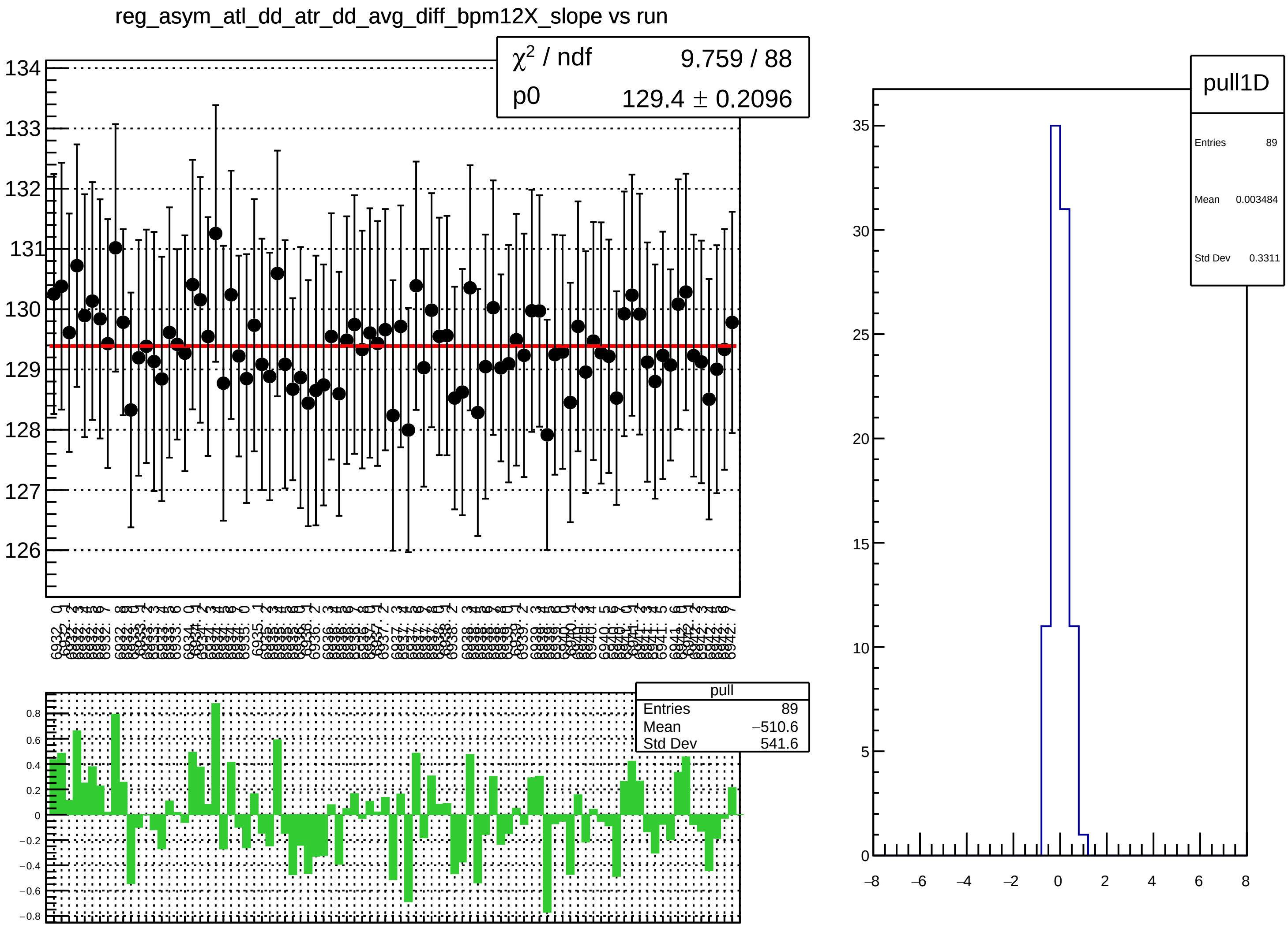




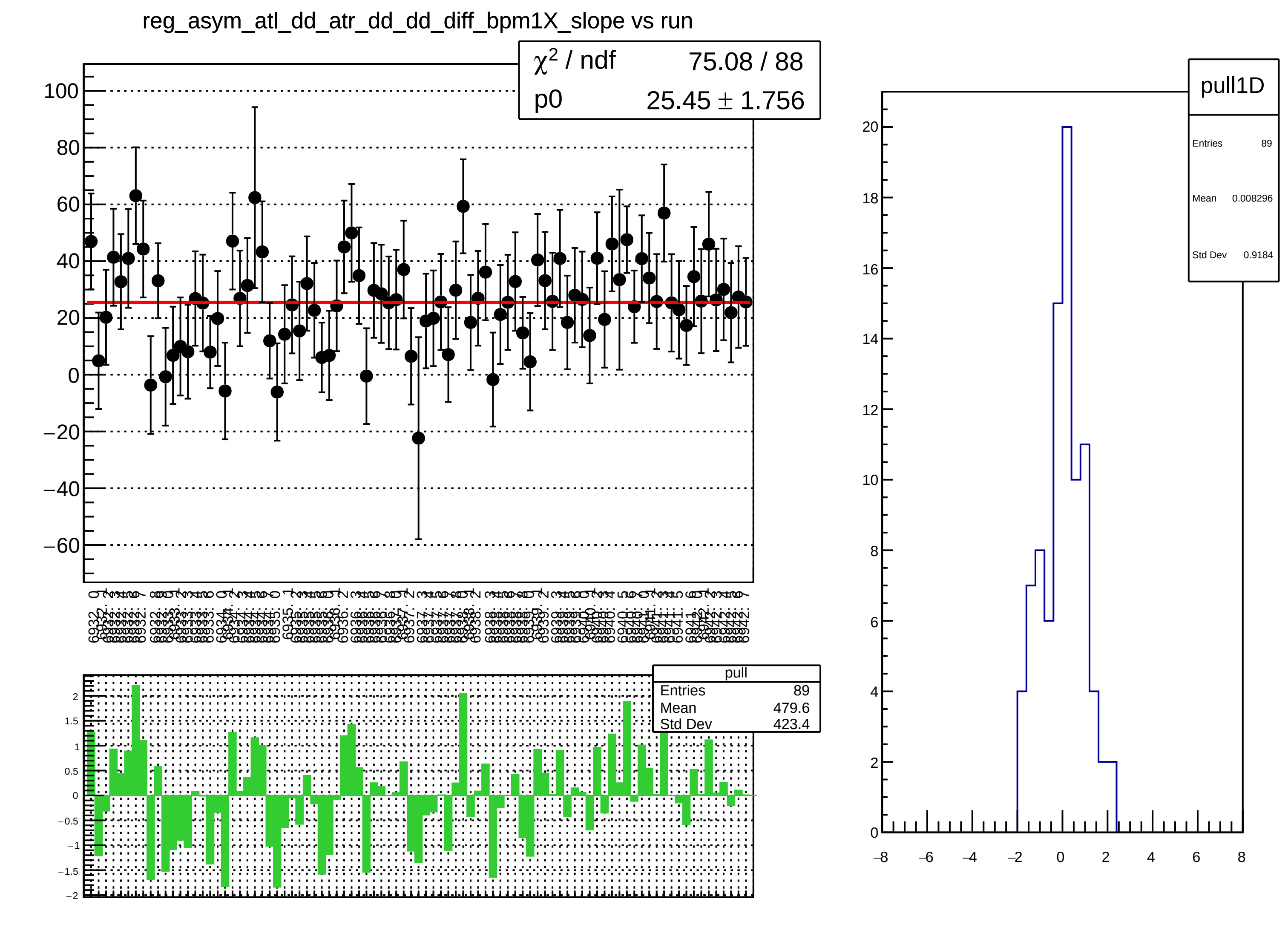
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.61 / 88
p0 −246.3 ± 5.971
pull
Entries 89
Mean −76.98
Std Dev 118.4
pull1D
Entries 89
Mean −0.01684
Std Dev 0.376

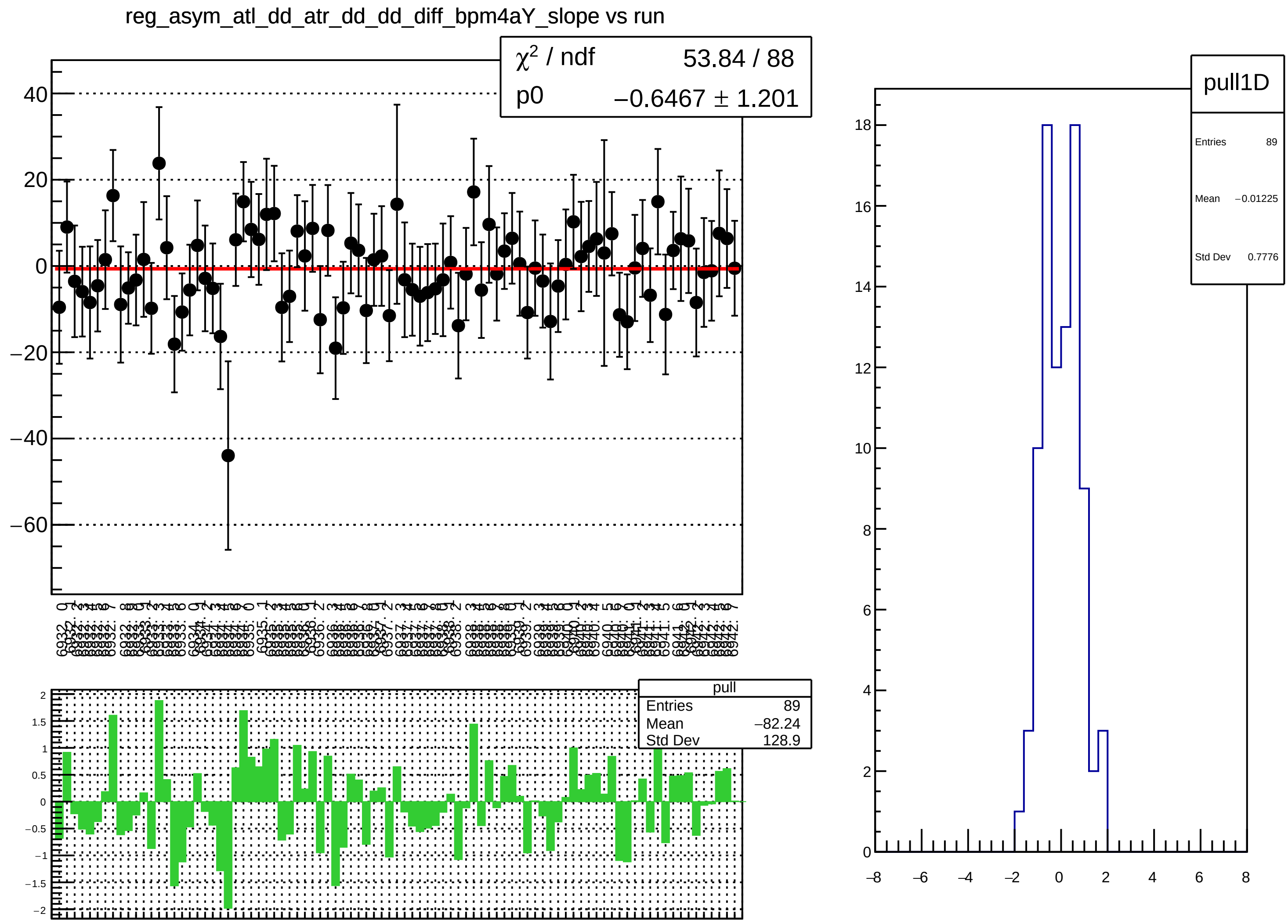


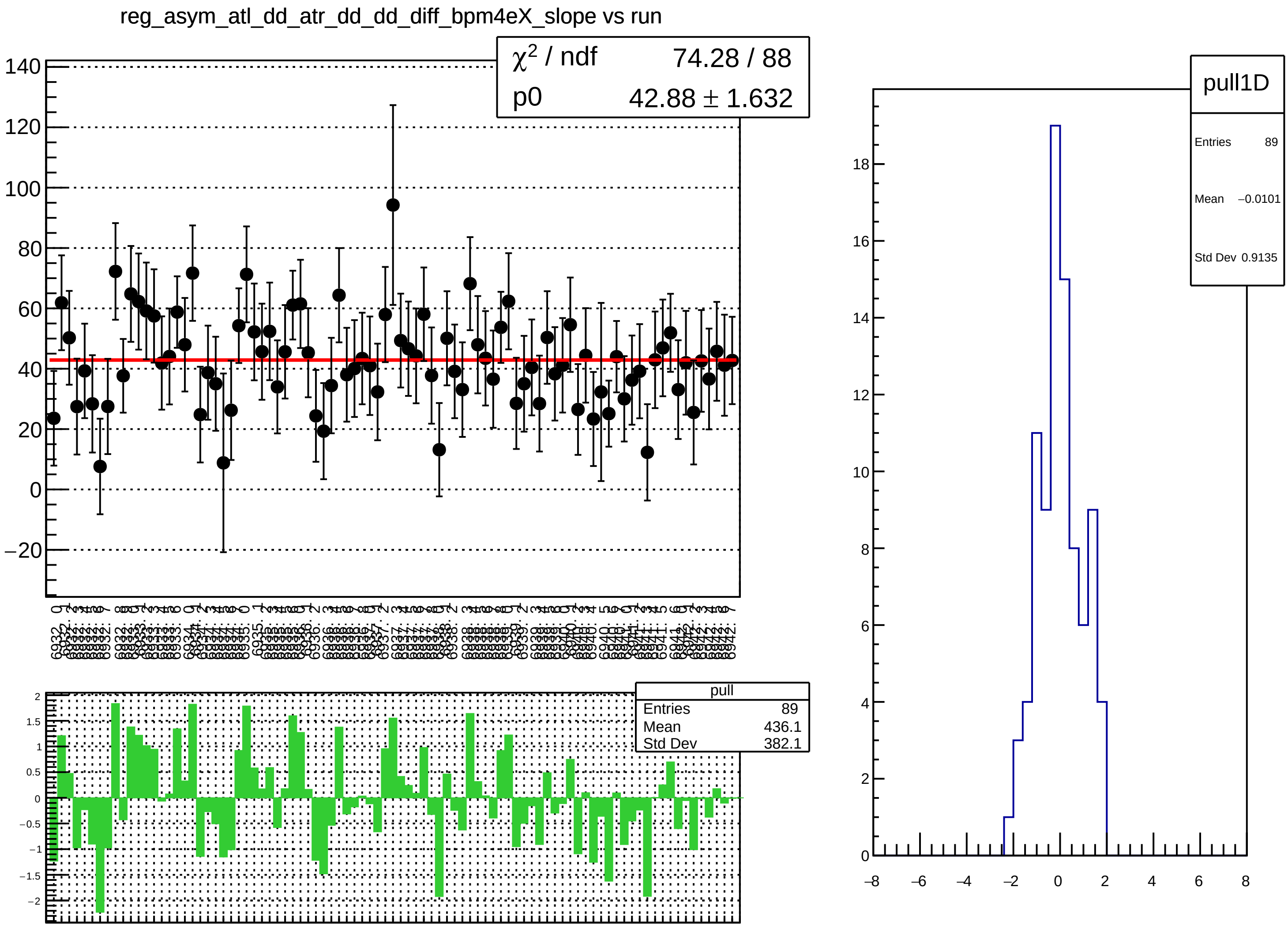
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.184 / 88
p0 −59.8 ± 5.064
pull
Entries 89
Mean −39.15
Std Dev 94.49
pull1D
Entries 89
Mean 0.007889
Std Dev 0.284



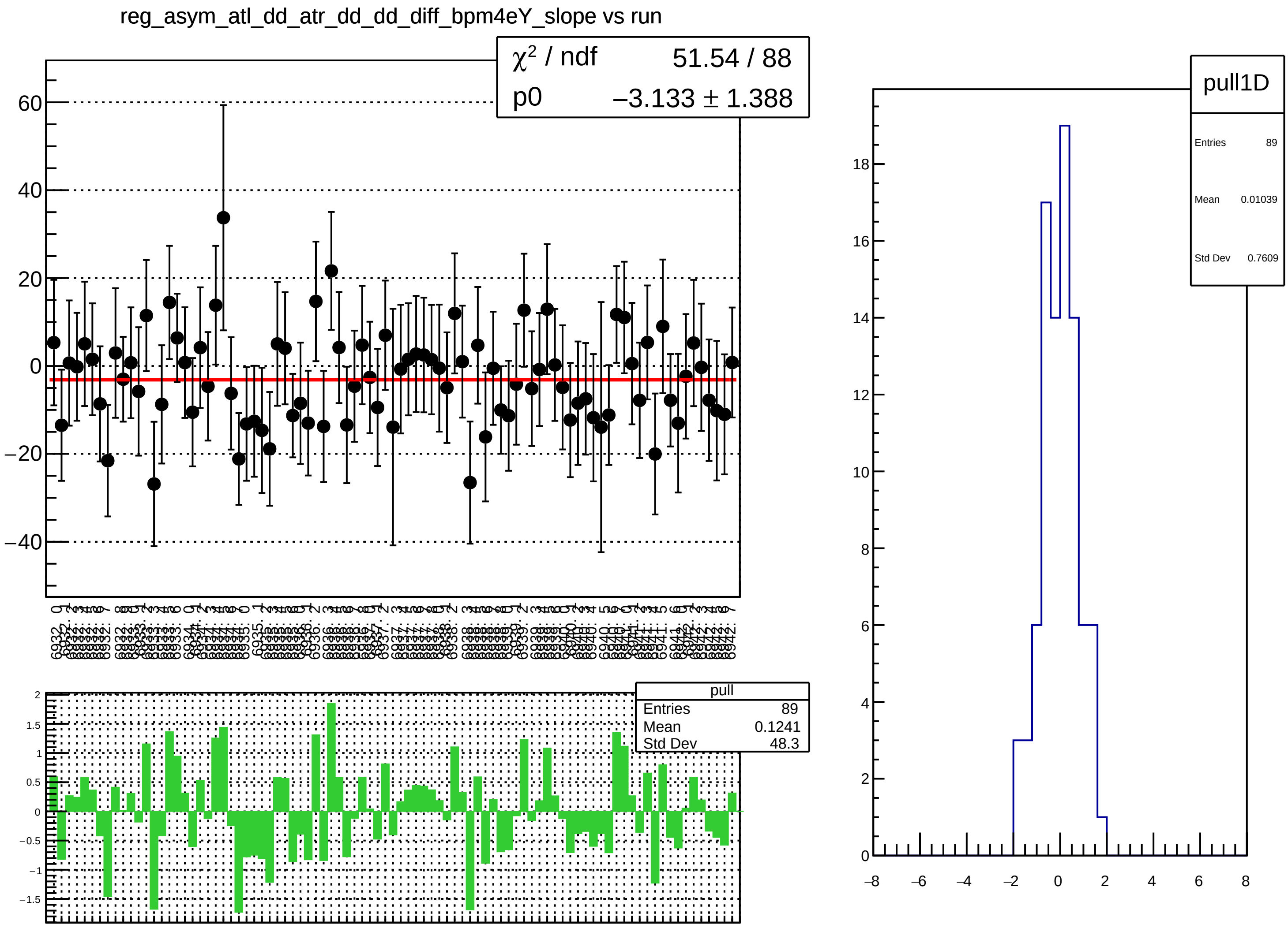
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.759 / 88
p0 129.4 ± 0.2096
pull
Entries 89
Mean −510.6
Std Dev 541.6
pull1D
Entries 89
Mean 0.003484
Std Dev 0.3311


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ2 / ndf 75.08 / 88
p0 25.45 ± 1.756
pull
Entries 89
Mean 479.6
Std Dev 423.4
pull1D
Entries 89
Mean 0.008296
Std Dev 0.9184

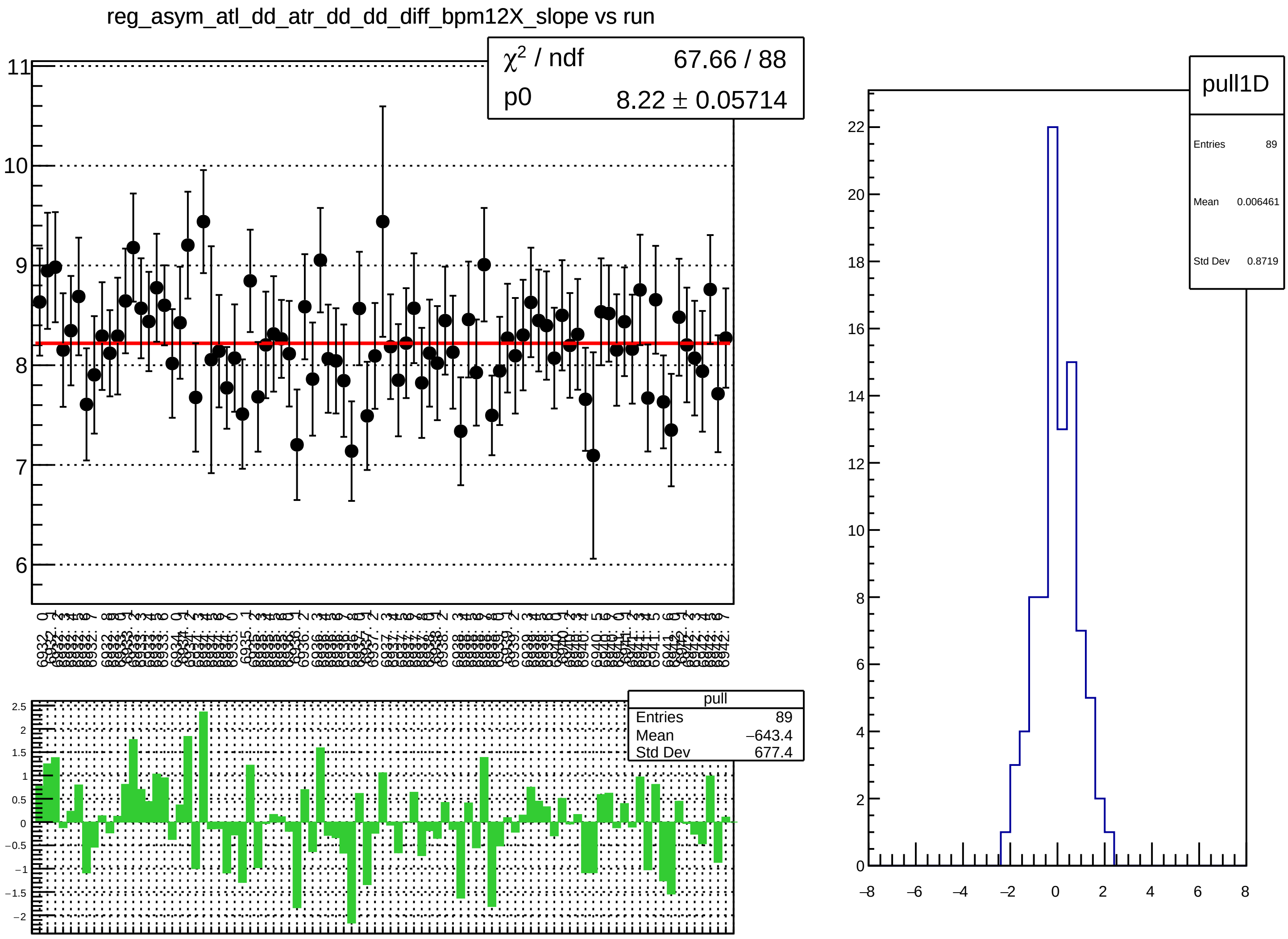

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 53.84 / 88
p0 −0.6467 ± 1.201
pull
Entries 89
Mean −82.24
Std Dev 128.9
pull1D
Entries 89
Mean −0.01225
Std Dev 0.7776



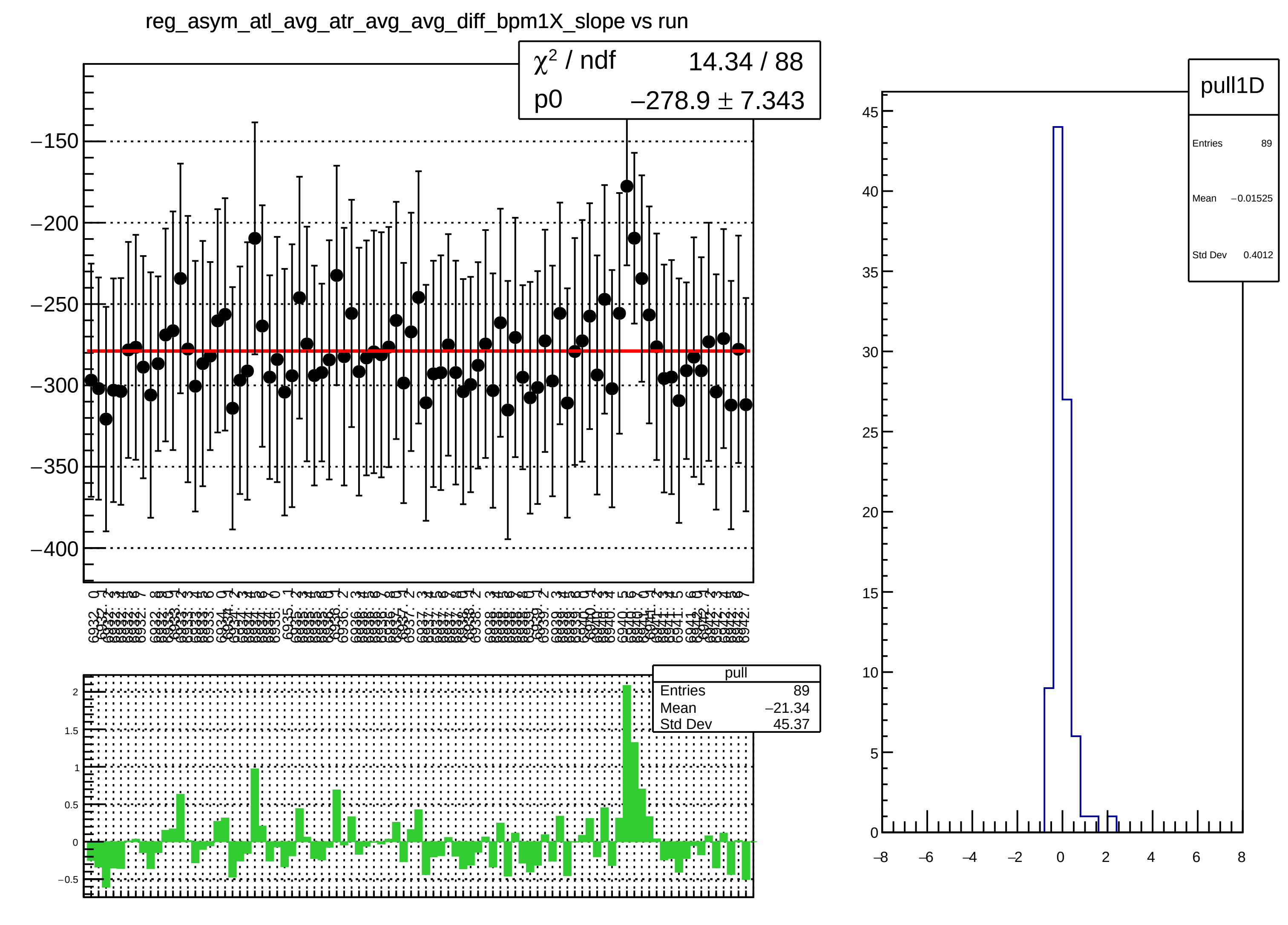
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ2 / ndf 74.28 / 88
p0 42.88 ± 1.632
pull
Entries 89
Mean 436.1
Std Dev 382.1
pull1D
Entries 89
Mean −0.0101
Std Dev 0.9135



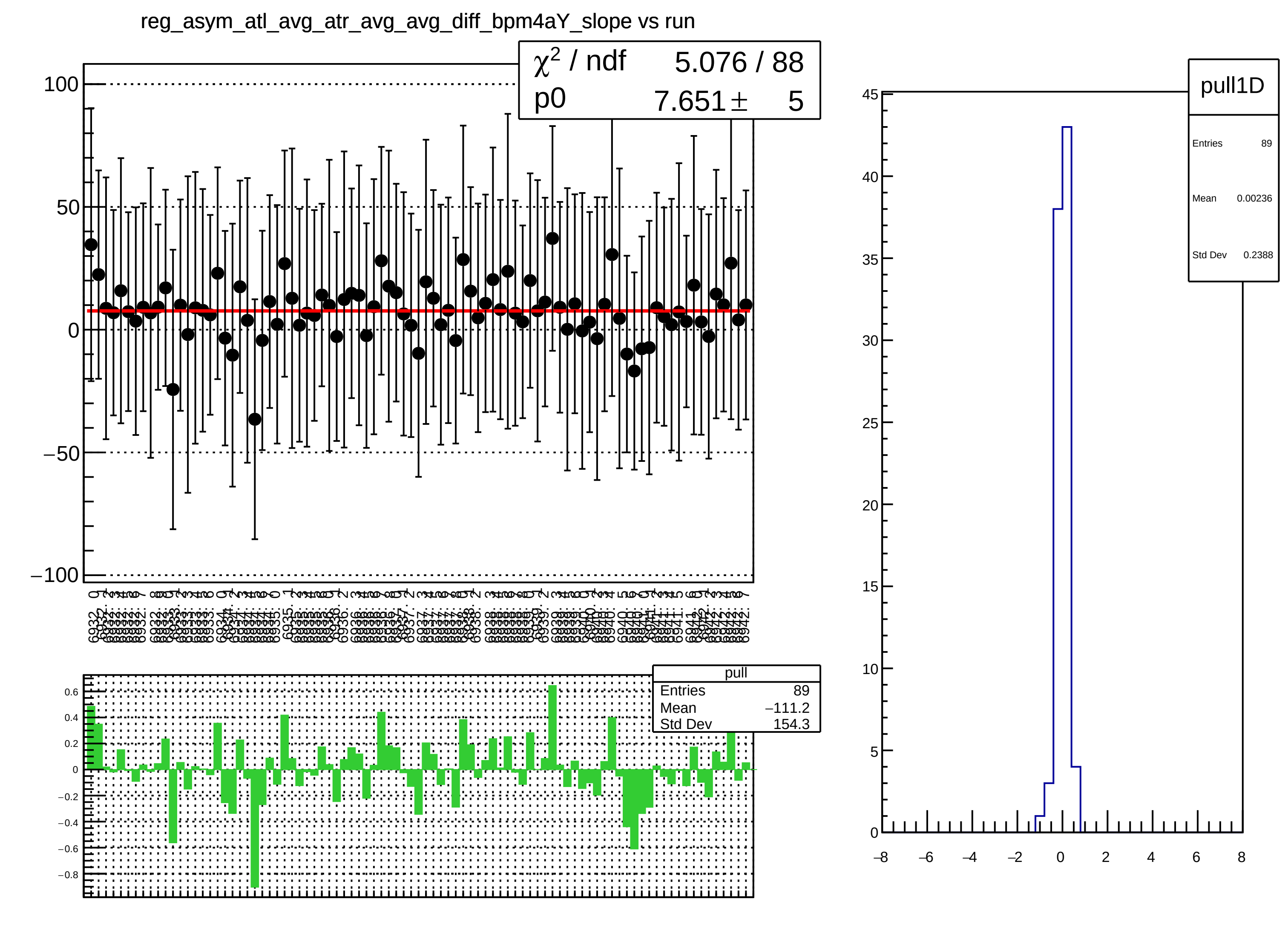
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 51.54 / 88
p0 −3.133 ± 1.388
pull
Entries 89
Mean 0.1241
Std Dev 48.3
pull1D
Entries 89
Mean 0.01039
Std Dev 0.7609



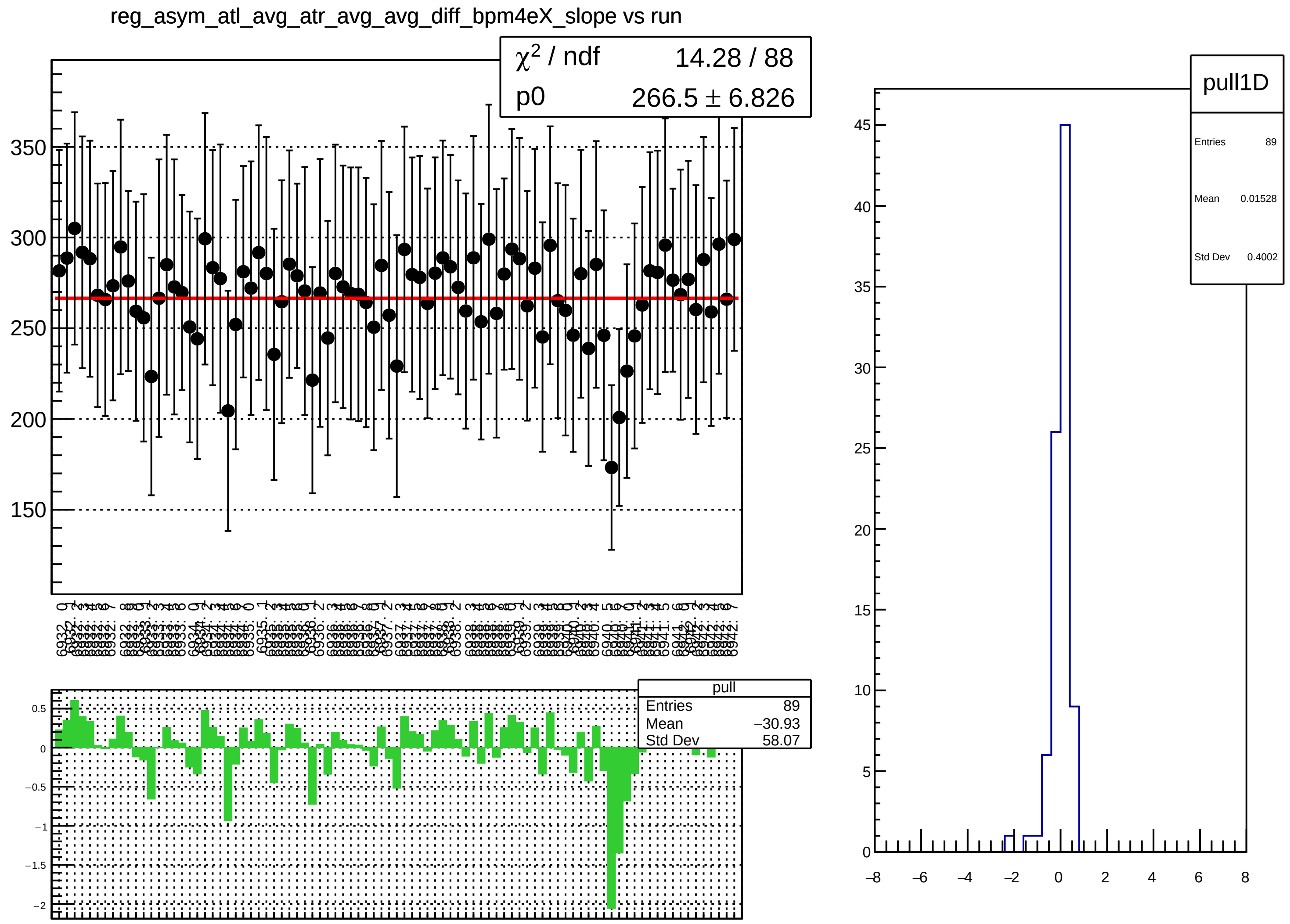
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 67.66 / 88
p0 8.22 ± 0.05714
pull
Entries 89
Mean −643.4
Std Dev 677.4
pull1D
Entries 89
Mean 0.006461
Std Dev 0.8719



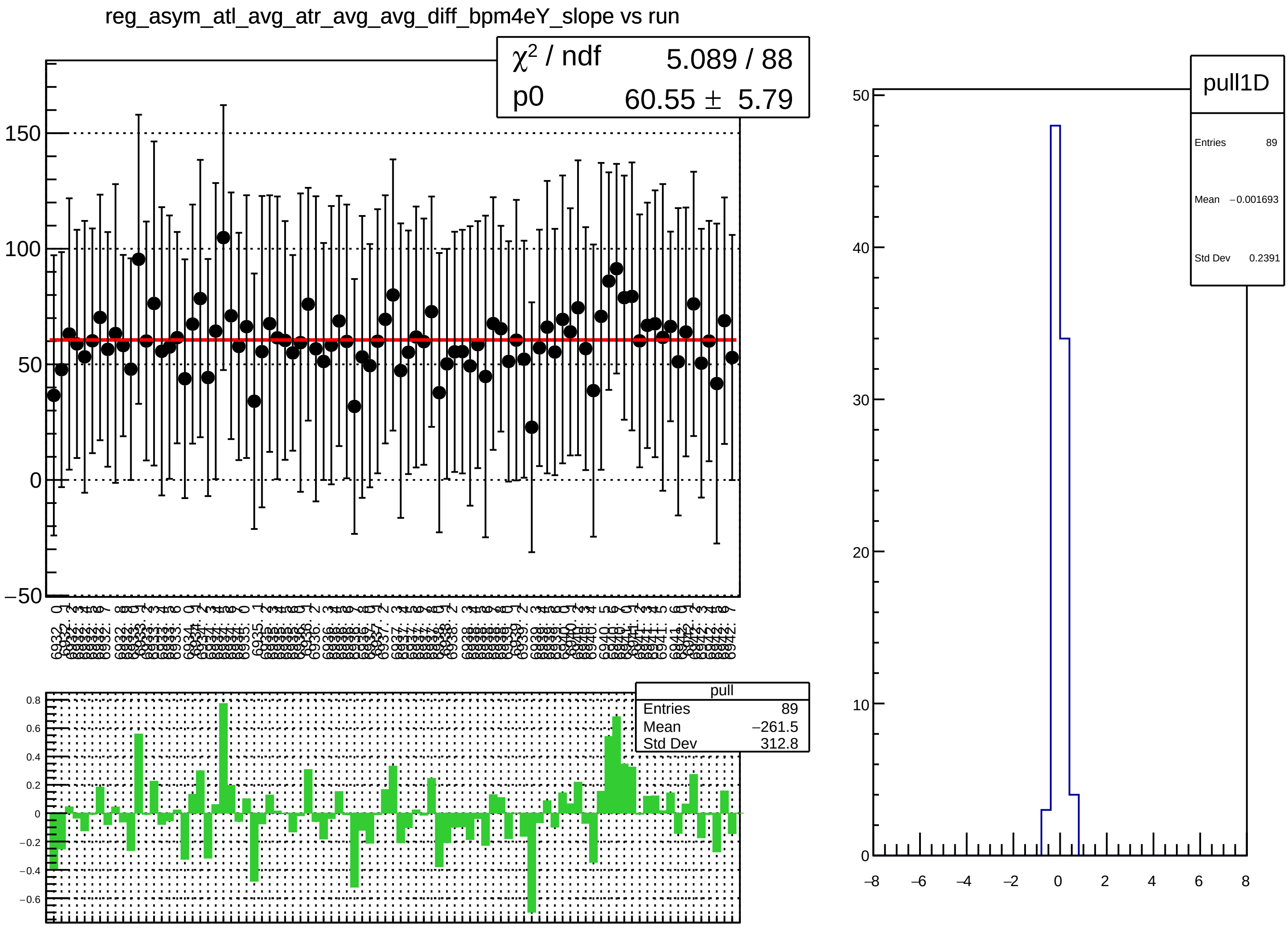
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.34 / 88
p0 −278.9 ± 7.343
pull
Entries 89
Mean −21.34
Std Dev 45.37
pull1D
Entries 89
Mean −0.01525
Std Dev 0.4012



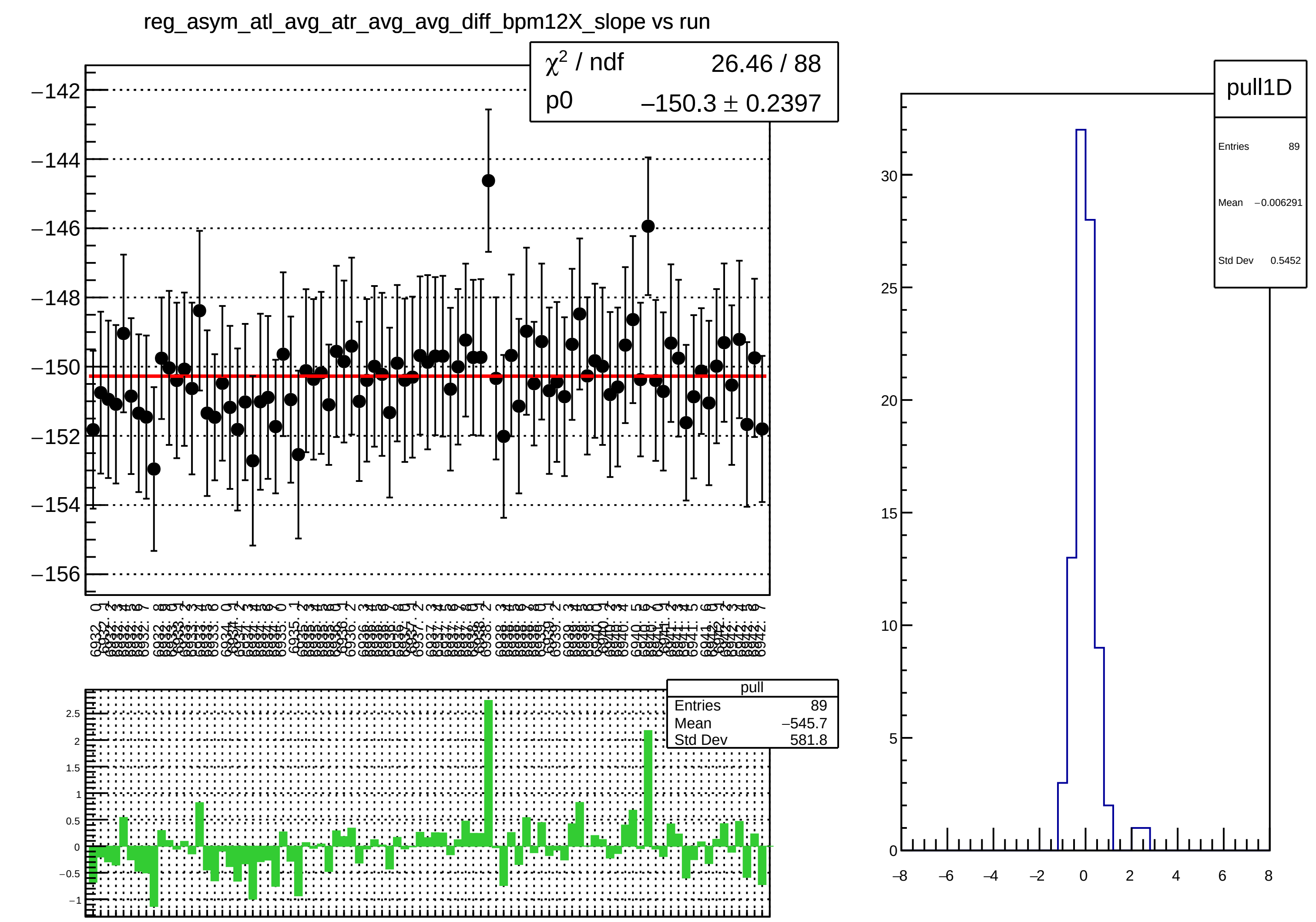
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.076 / 88
p0 7.651 ± 5
pull
Entries 89
Mean −111.2
Std Dev 154.3
pull1D
Entries 89
Mean 0.00236
Std Dev 0.2388

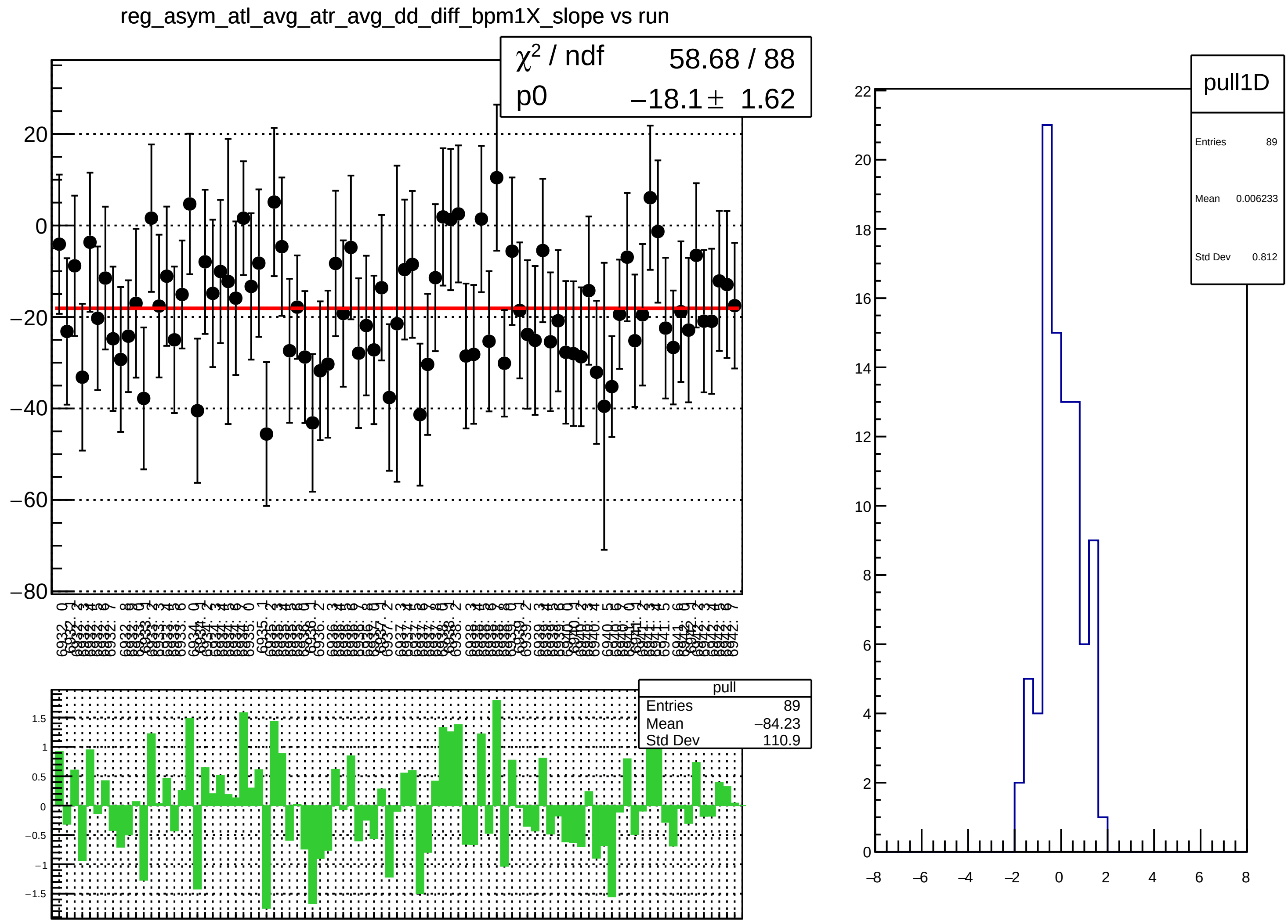


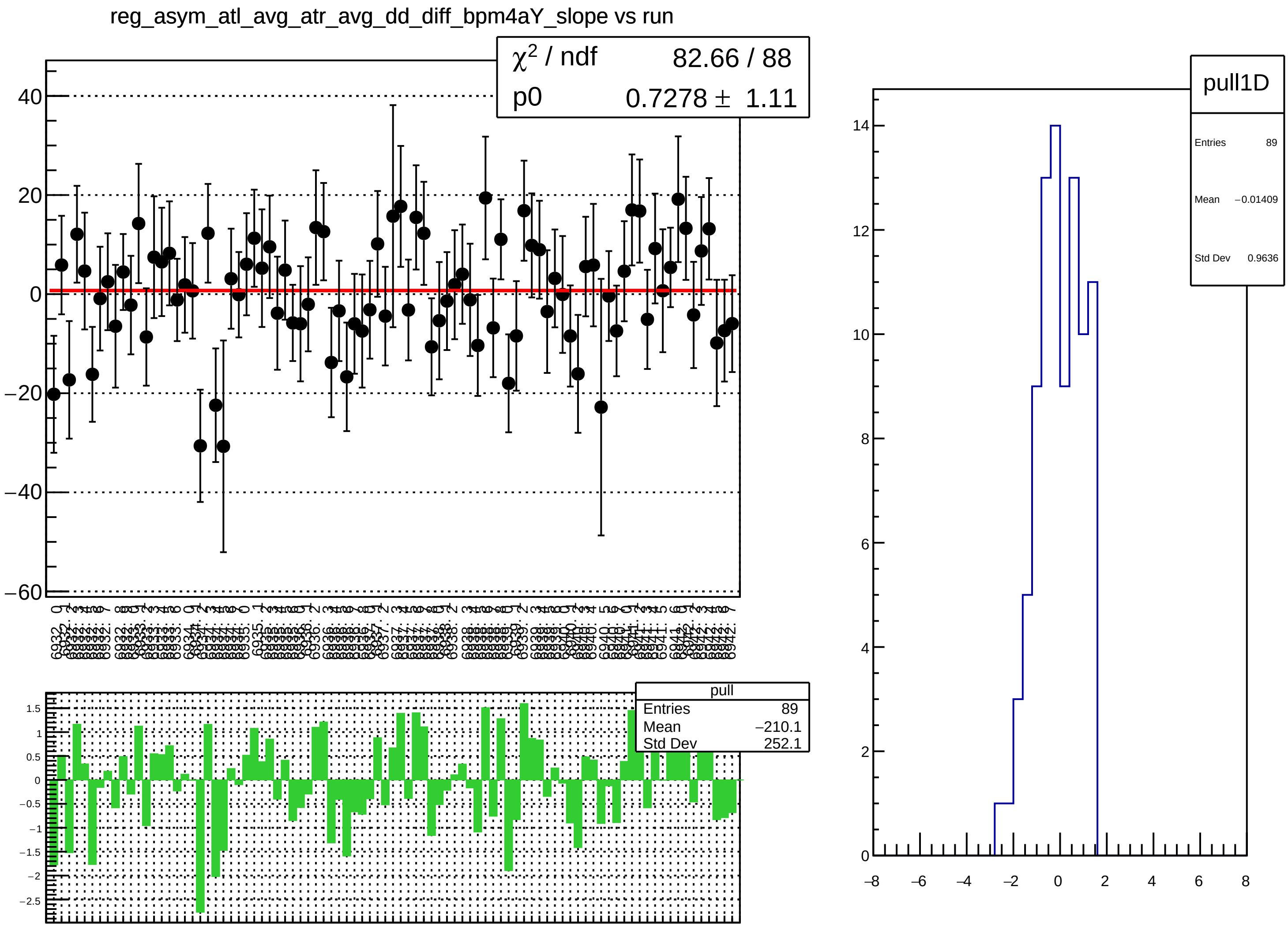
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 14.28 / 88
p0 266.5 ± 6.826
pull
Entries 89
Mean −30.93
Std Dev 58.07
pull1D
Entries 89
Mean 0.01528
Std Dev 0.4002



reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.089 / 88
p0 60.55 ± 5.79
pull
Entries 89
Mean −261.5
Std Dev 312.8
pull1D
Entries 89
Mean −0.001693
Std Dev 0.2391

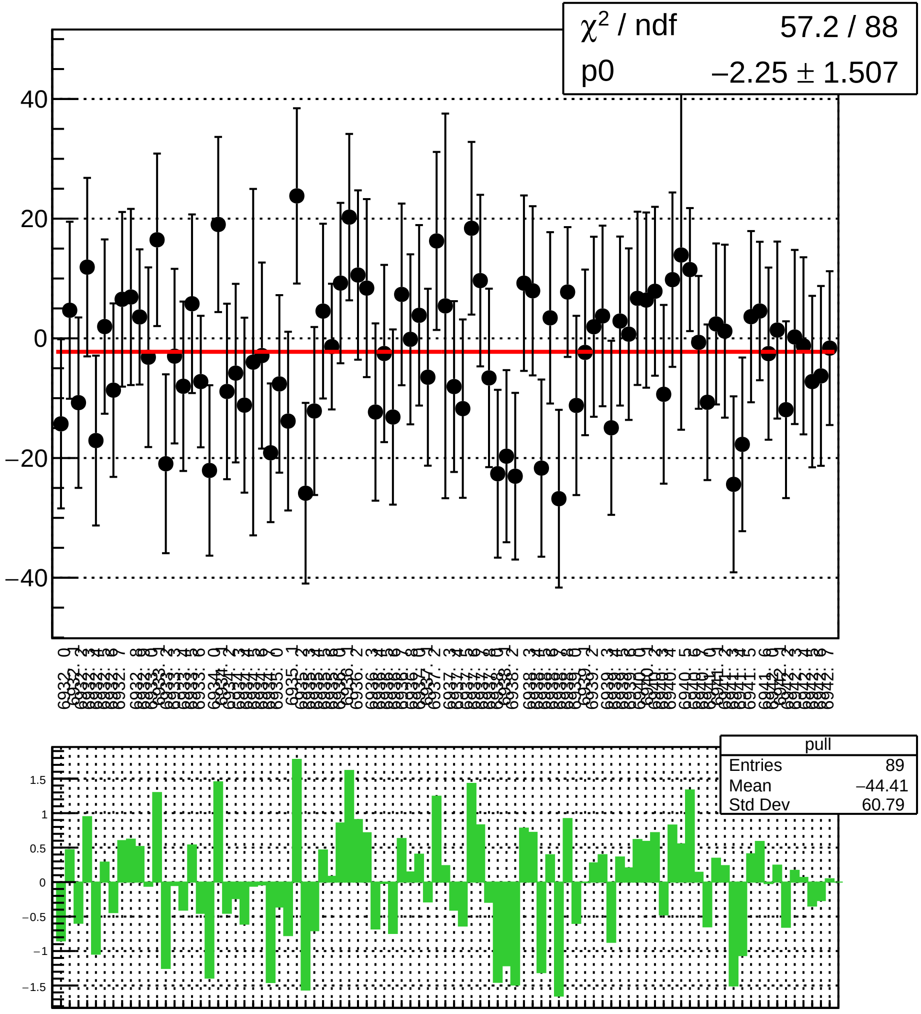

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 26.46 / 88
p0 −150.3 ± 0.2397
pull
Entries 89
Mean −545.7
Std Dev 581.8
pull1D
Entries 89
Mean −0.006291
Std Dev 0.5452

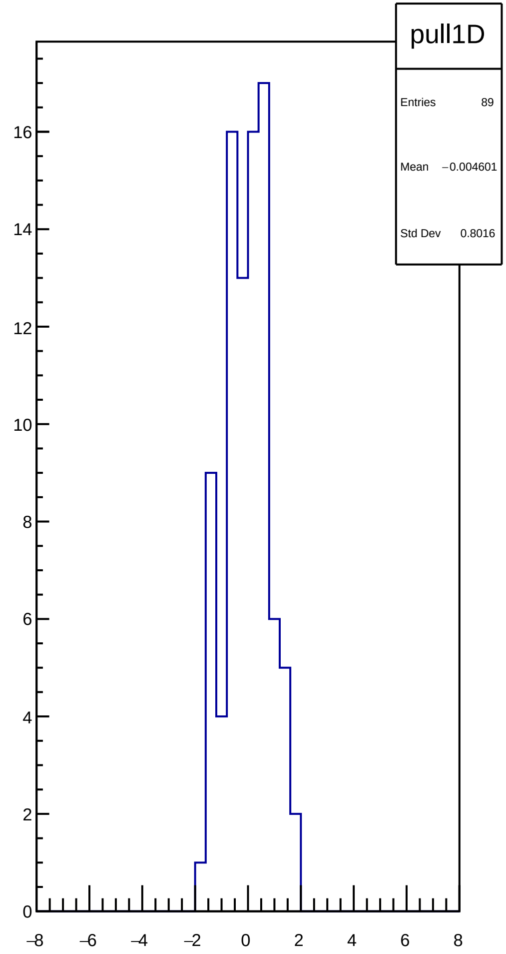

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 58.68 / 88
p0 −18.1 ± 1.62
pull
Entries 89
Mean −84.23
Std Dev 110.9
pull1D
Entries 89
Mean 0.006233
Std Dev 0.812

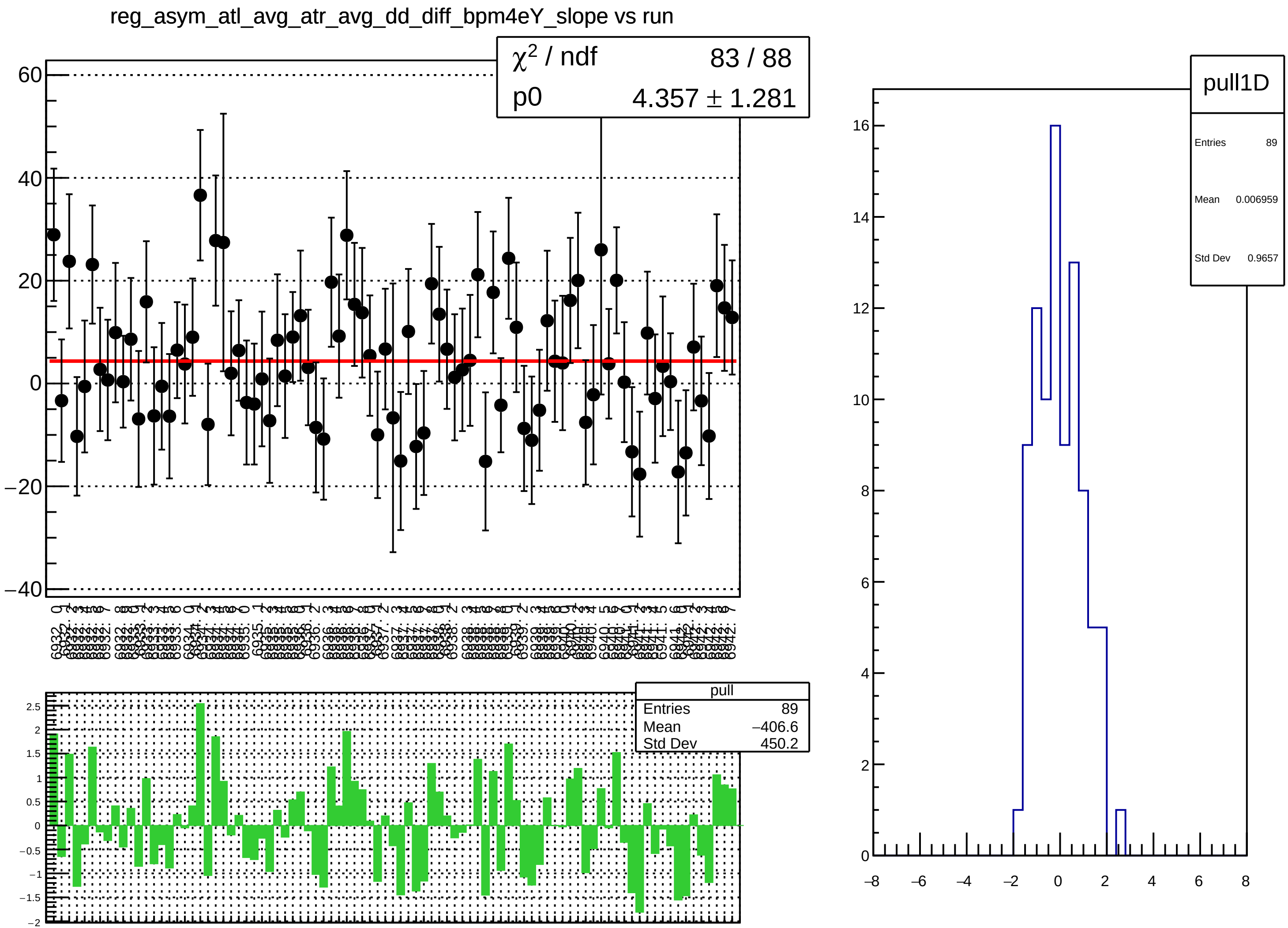


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ2 / ndf 82.66 / 88
p0 0.7278 ± 1.11
pull
Entries 89
Mean −210.1
Std Dev 252.1
pull1D
Entries 89
Mean −0.01409
Std Dev 0.9636

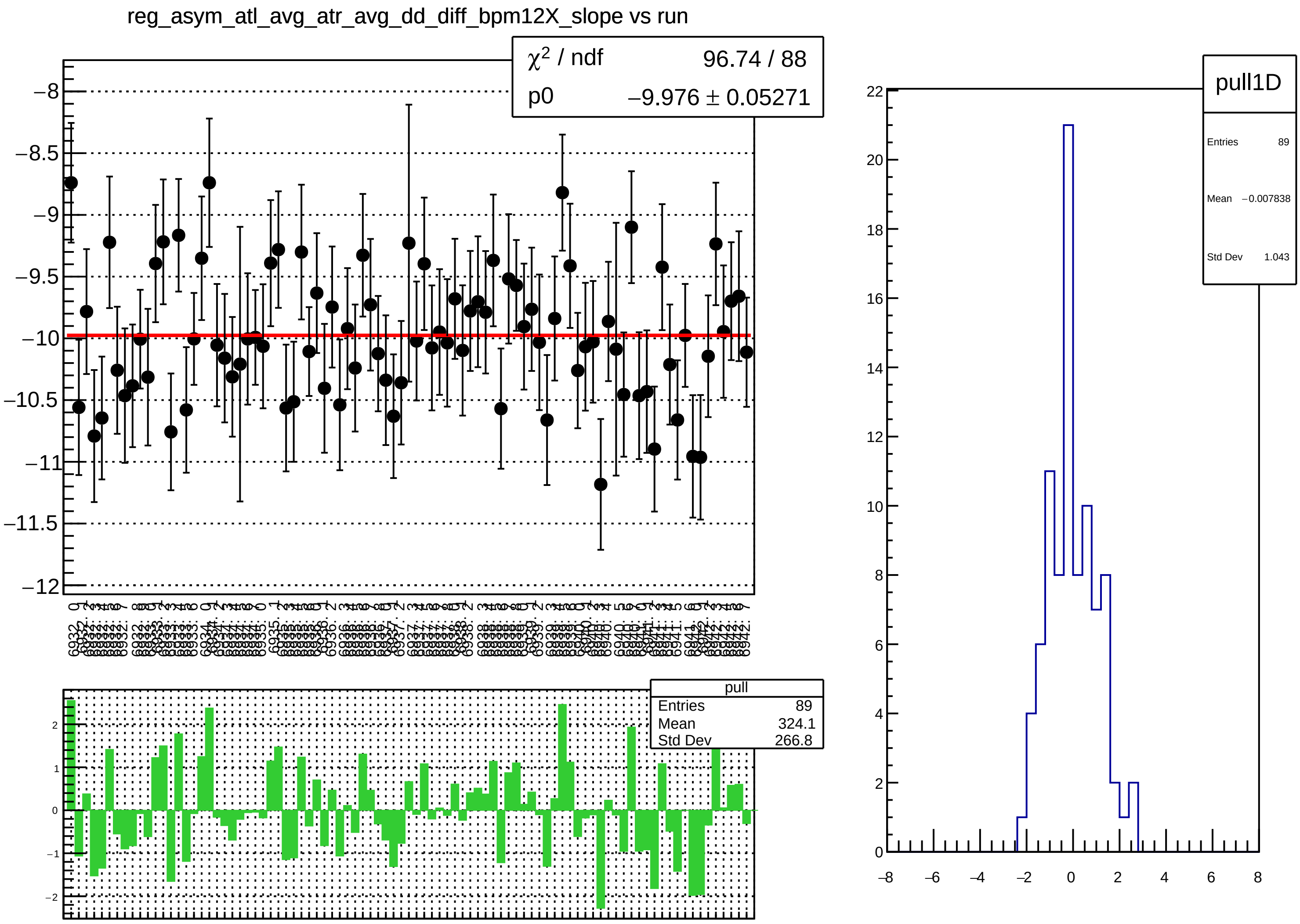
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run

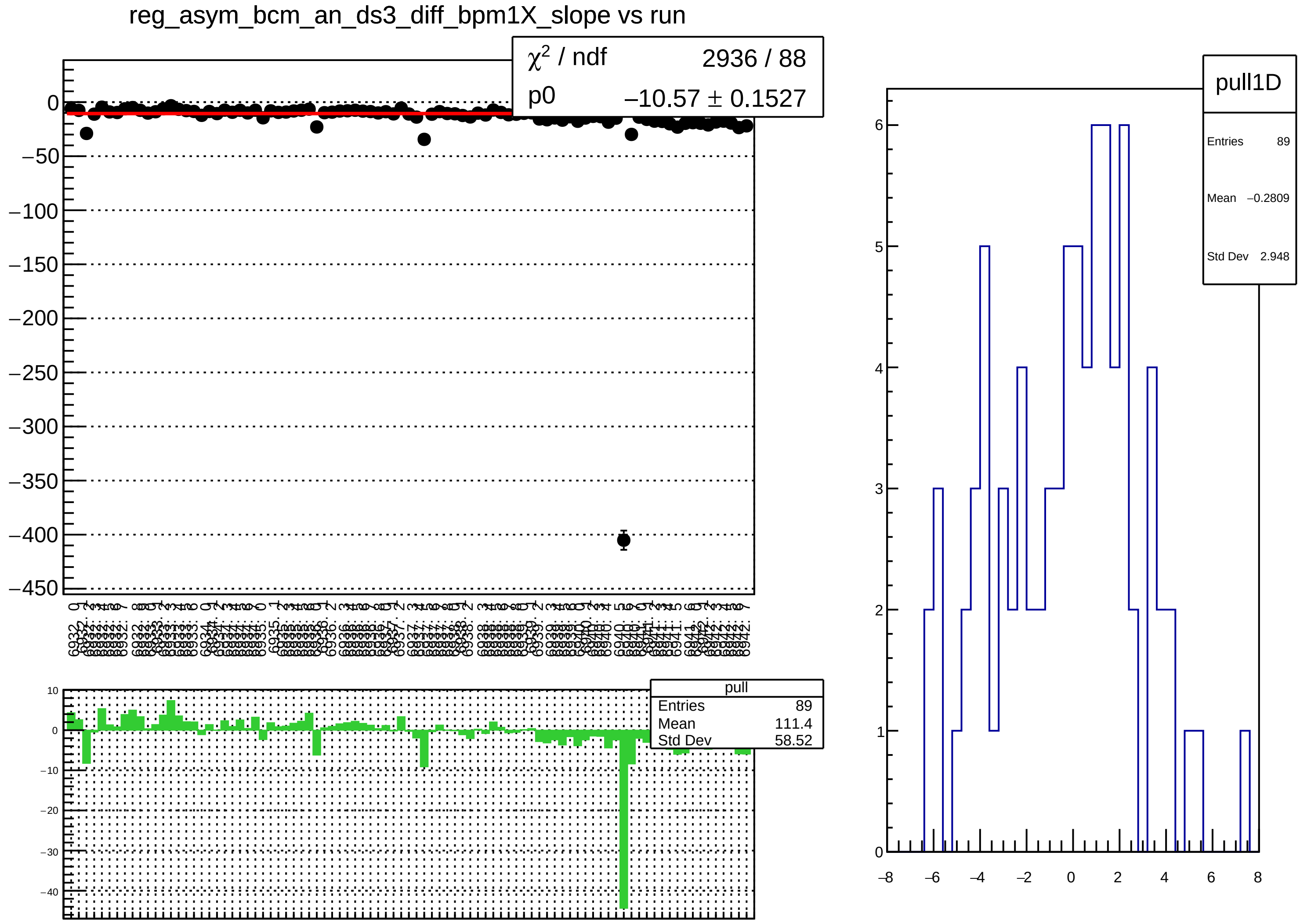




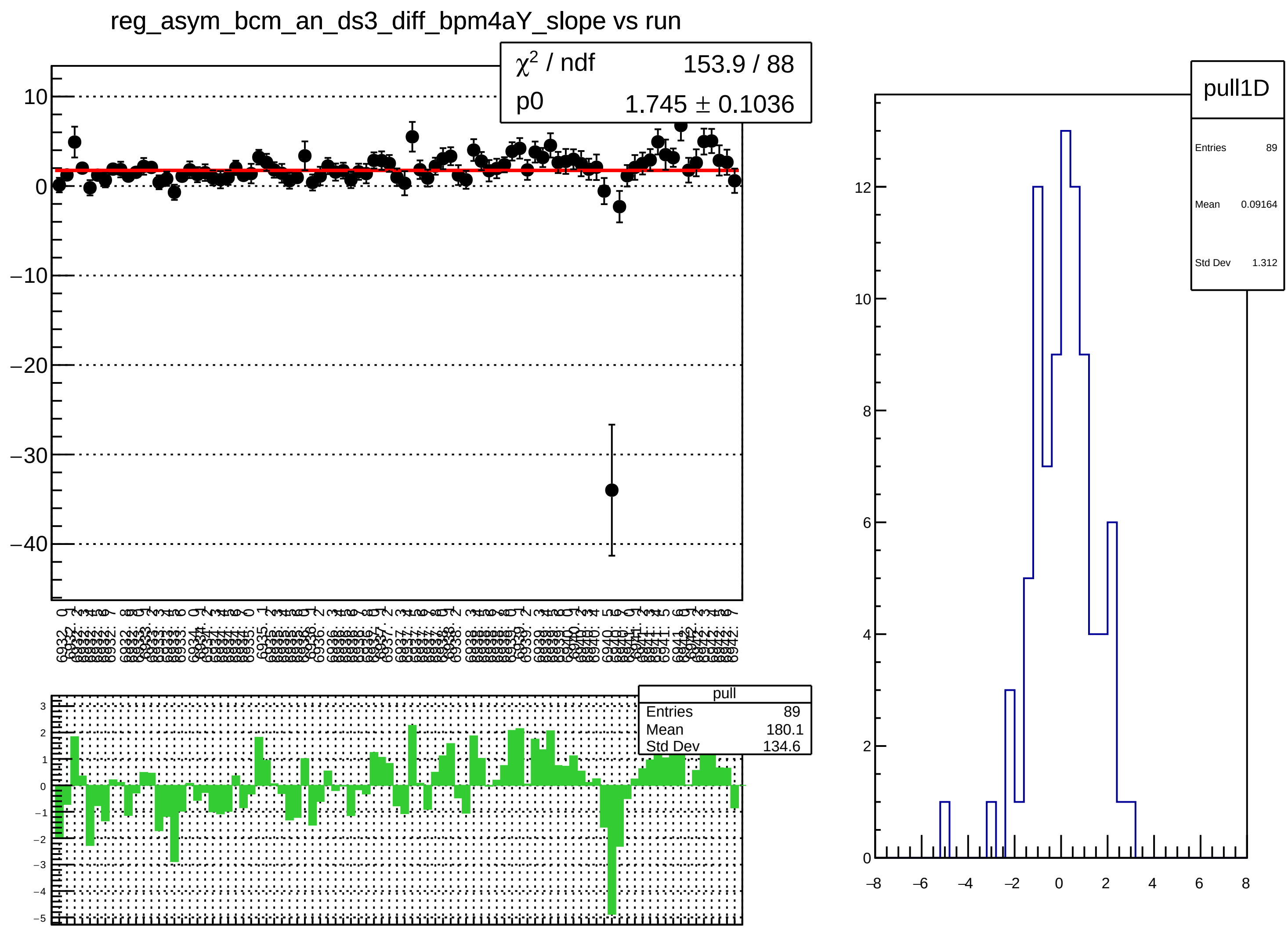


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 83 / 88
p0 4.357 ± 1.281
pull
Entries 89
Mean −406.6
Std Dev 450.2
pull1D
Entries 89
Mean 0.006959
Std Dev 0.9657


reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 96.74 / 88
p0 −9.976 ± 0.05271
pull
Entries 89
Mean 324.1
Std Dev 266.8
pull1D
Entries 89
Mean −0.007838
Std Dev 1.043

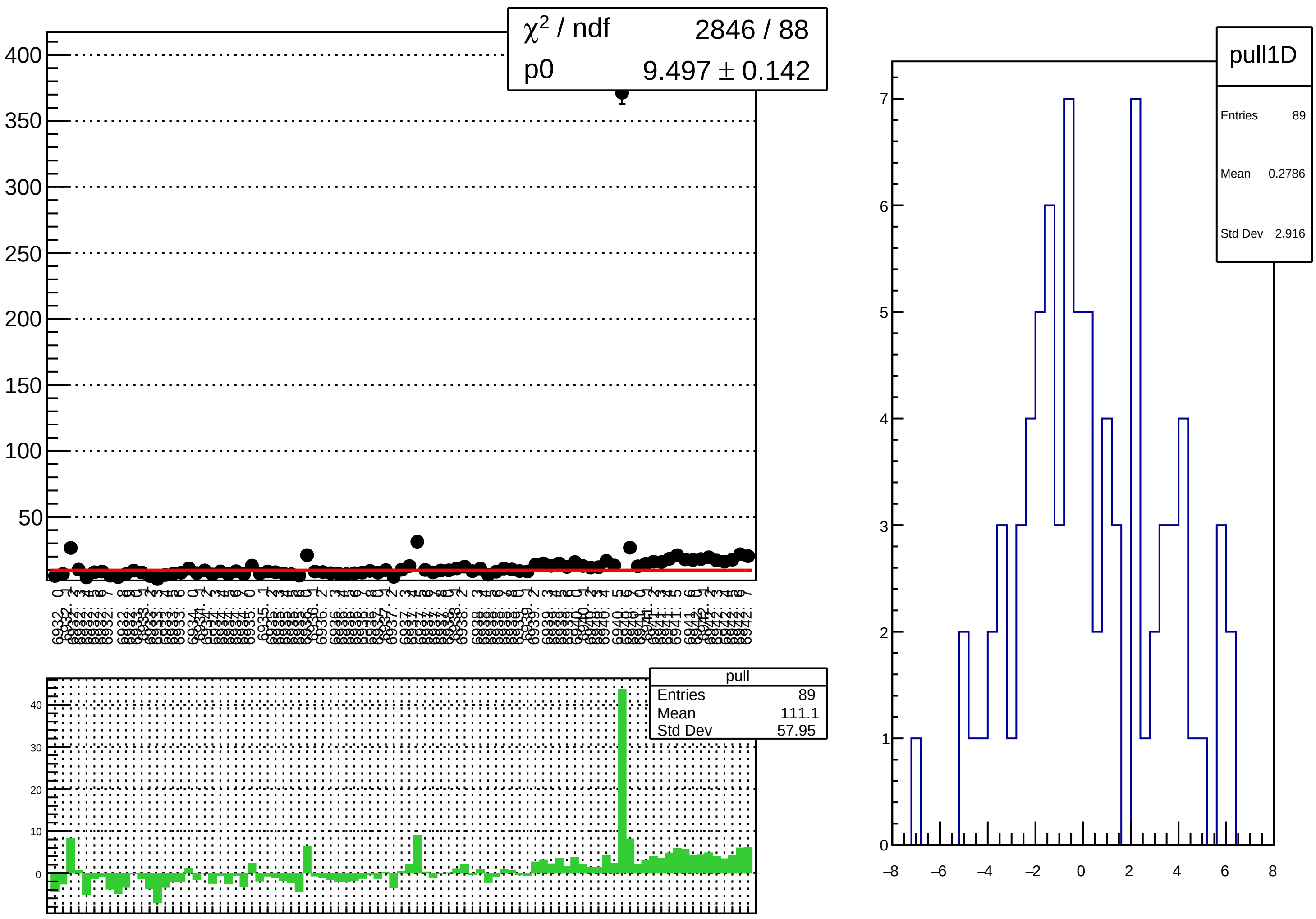


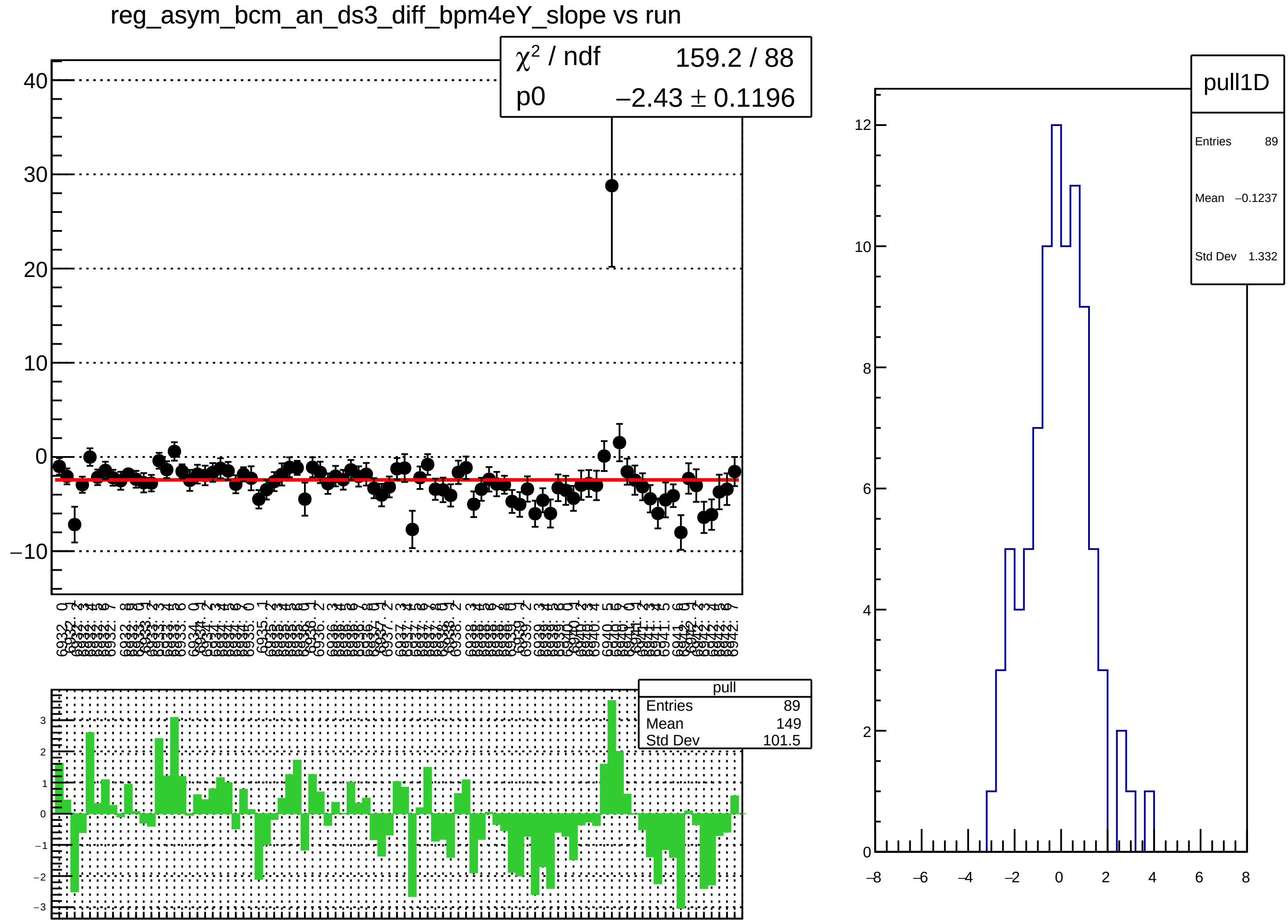
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 2936 / 88
p0 −10.57 ± 0.1527
pull
Entries 89
Mean 111.4
Std Dev 58.52
pull1D
Entries 89
Mean −0.2809
Std Dev 2.948



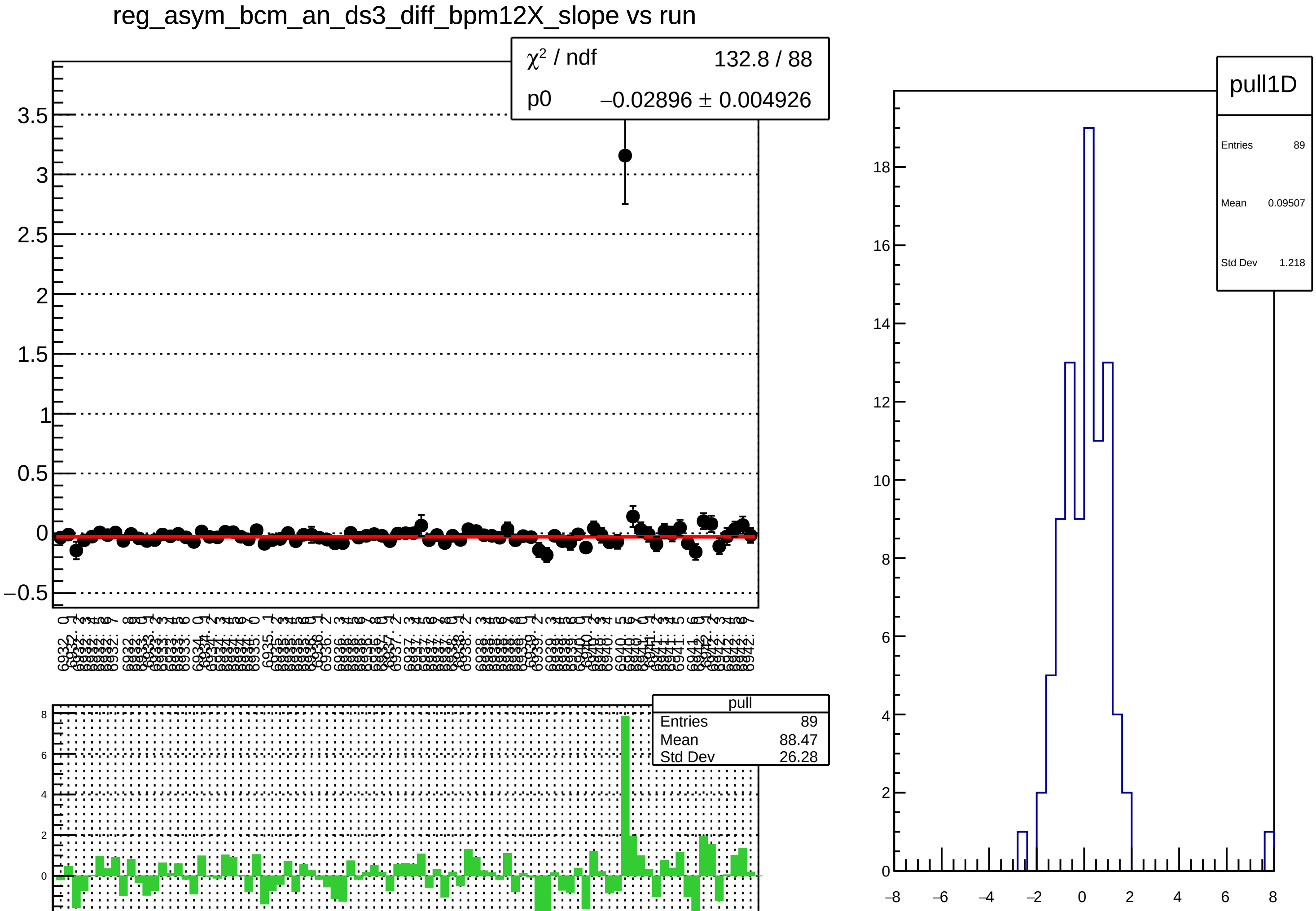
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 153.9 / 88
p0 1.745 ± 0.1036
pull
Entries 89
Mean 180.1
Std Dev 134.6
pull1D
Entries 89
Mean 0.09164
Std Dev 1.312

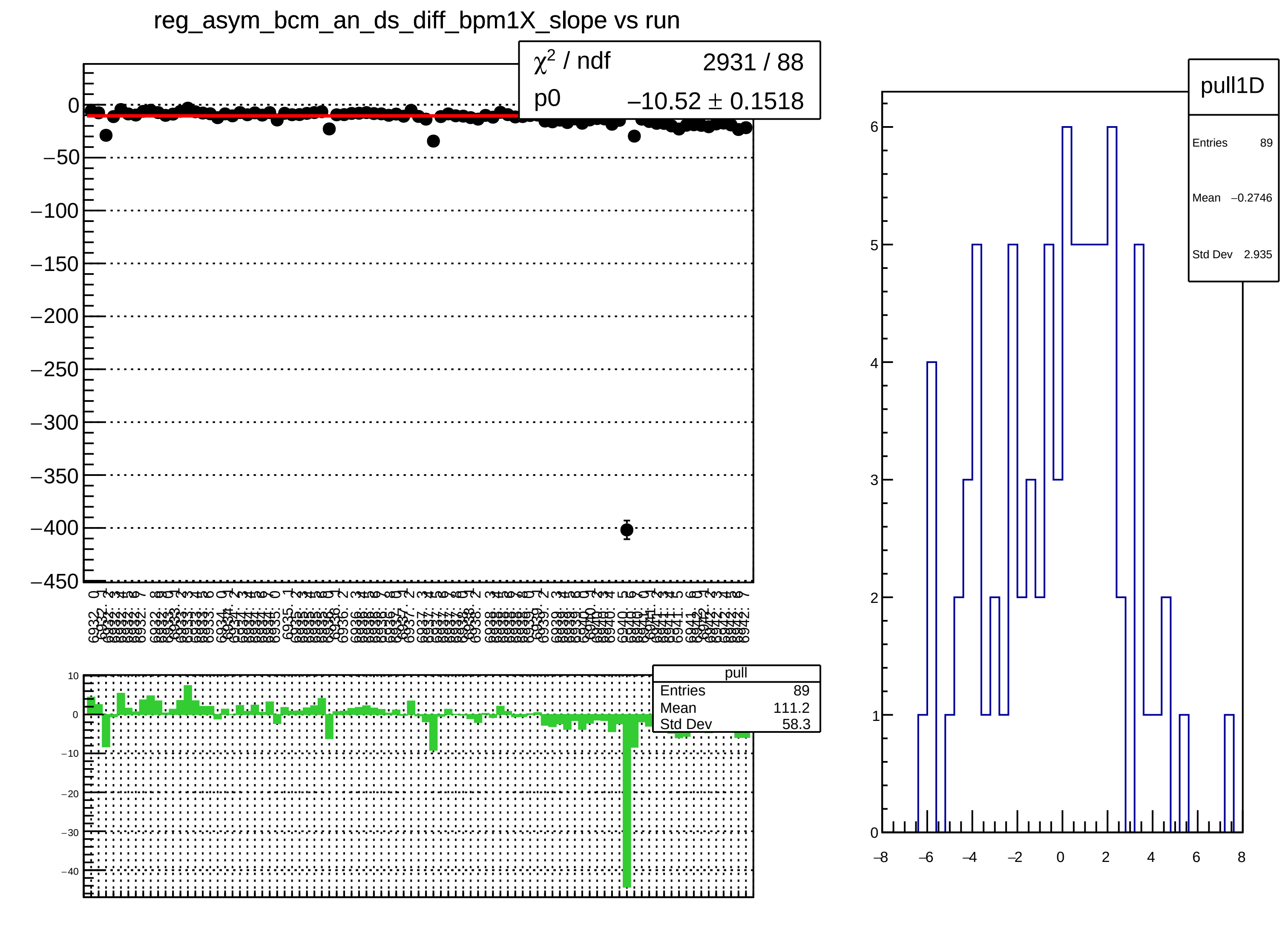
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run



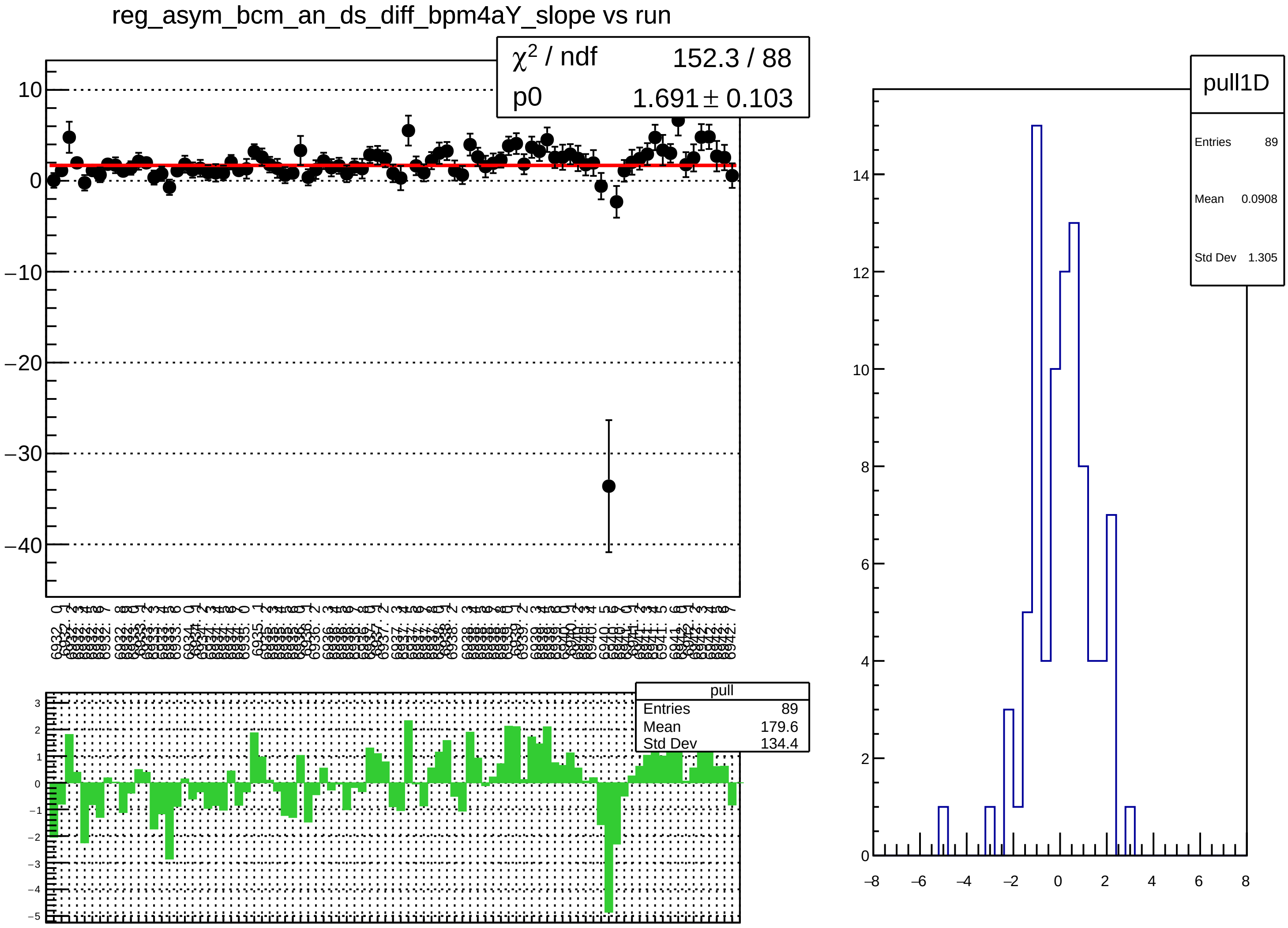


reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 159.2 / 88
p0 −2.43 ± 0.1196
pull
Entries 89
Mean 149
Std Dev 101.5
pull1D
Entries 89
Mean −0.1237
Std Dev 1.332

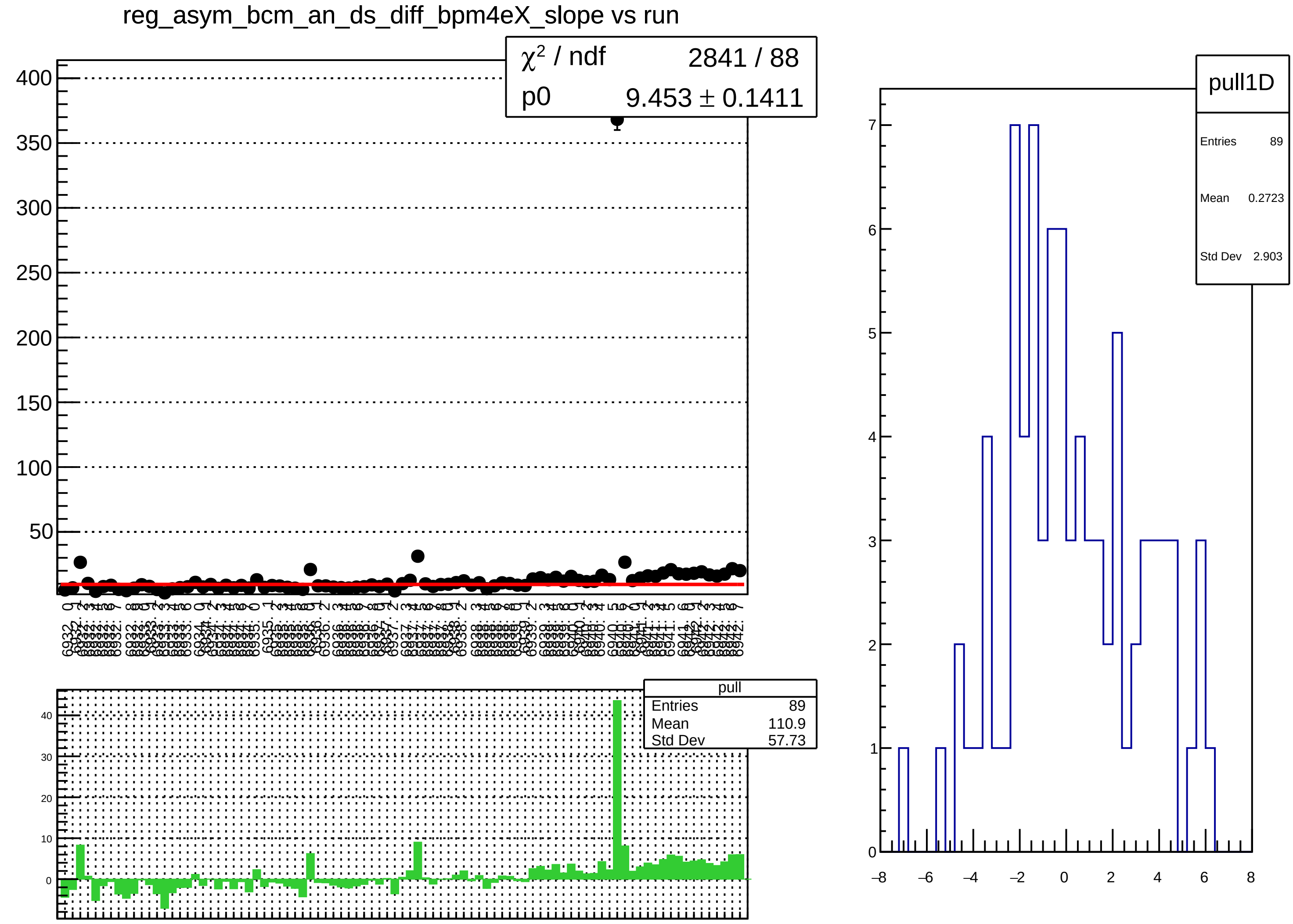

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ2 / ndf 132.8 / 88
p0 −0.02896 ± 0.004926
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
pull
Entries 89
Mean 88.47
Std Dev 26.28
8
6
4
2
0
−2
pull1D
Entries 89
Mean 0.09507
Std Dev 1.218
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



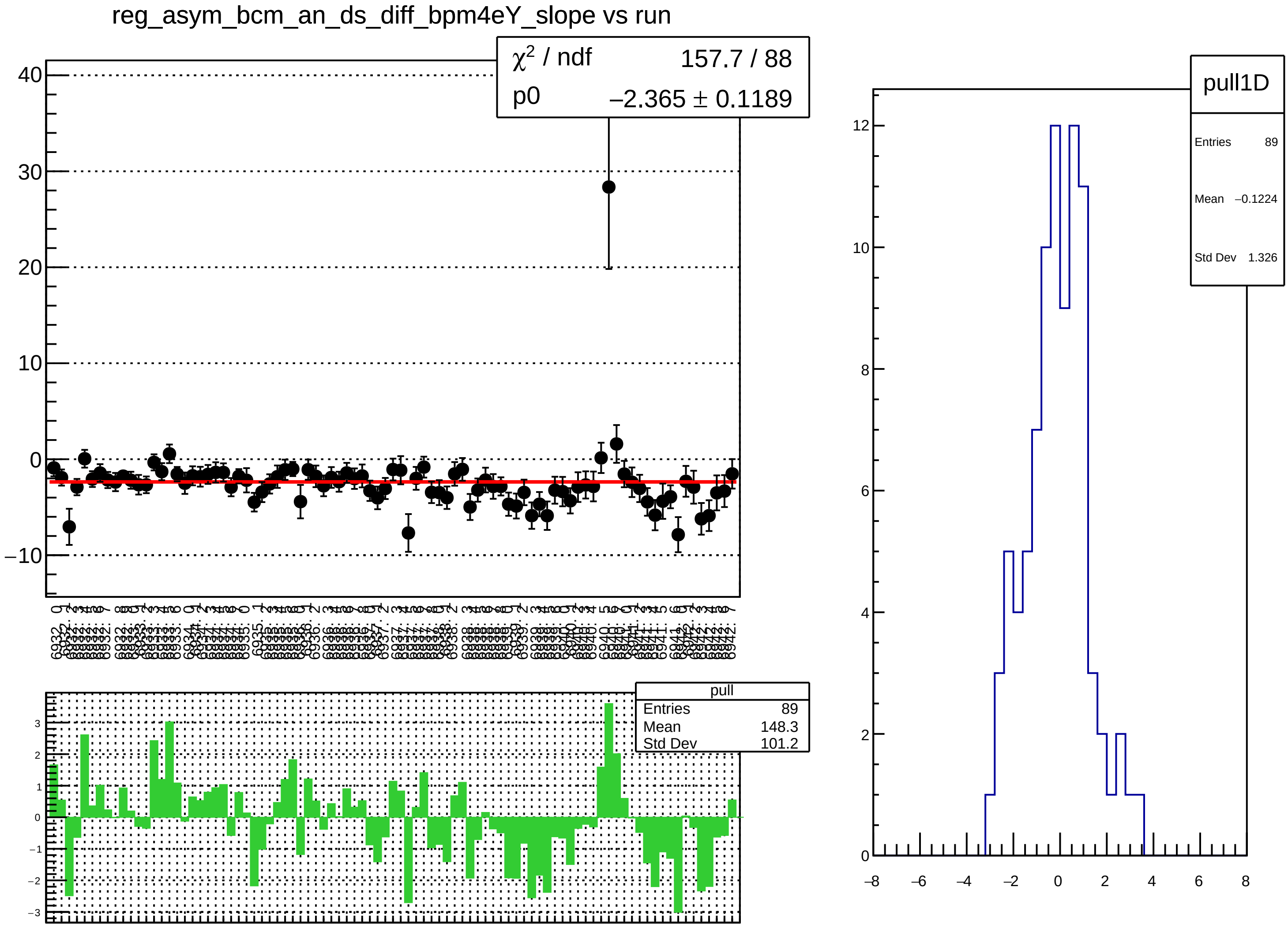
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 2931 / 88
p0 −10.52 ± 0.1518
pull
Entries 89
Mean 111.2
Std Dev 58.3
pull1D
Entries 89
Mean −0.2746
Std Dev 2.935



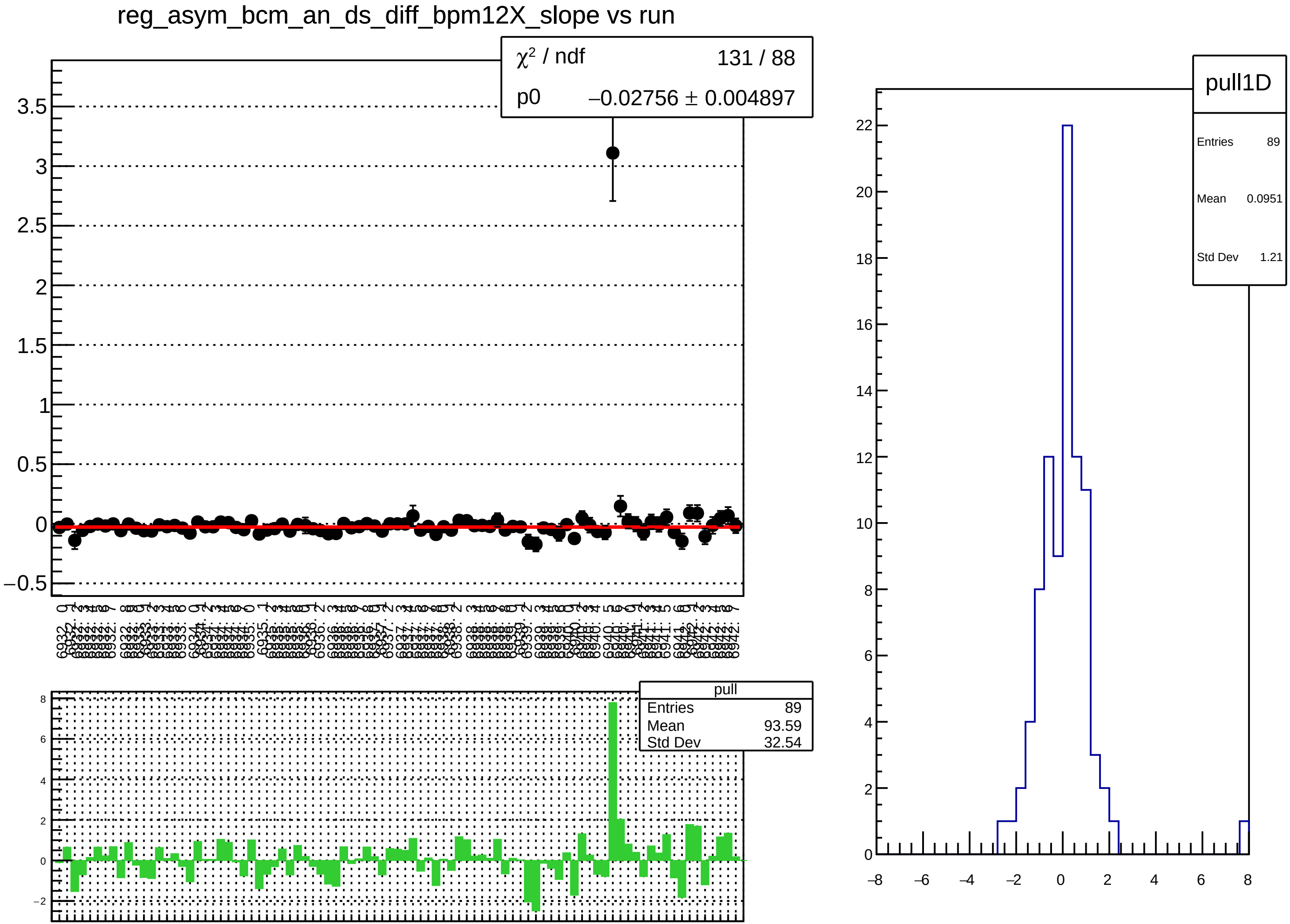
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 152.3 / 88
p0 1.691 ± 0.103
pull
Entries 89
Mean 179.6
Std Dev 134.4
pull1D
Entries 89
Mean 0.0908
Std Dev 1.305



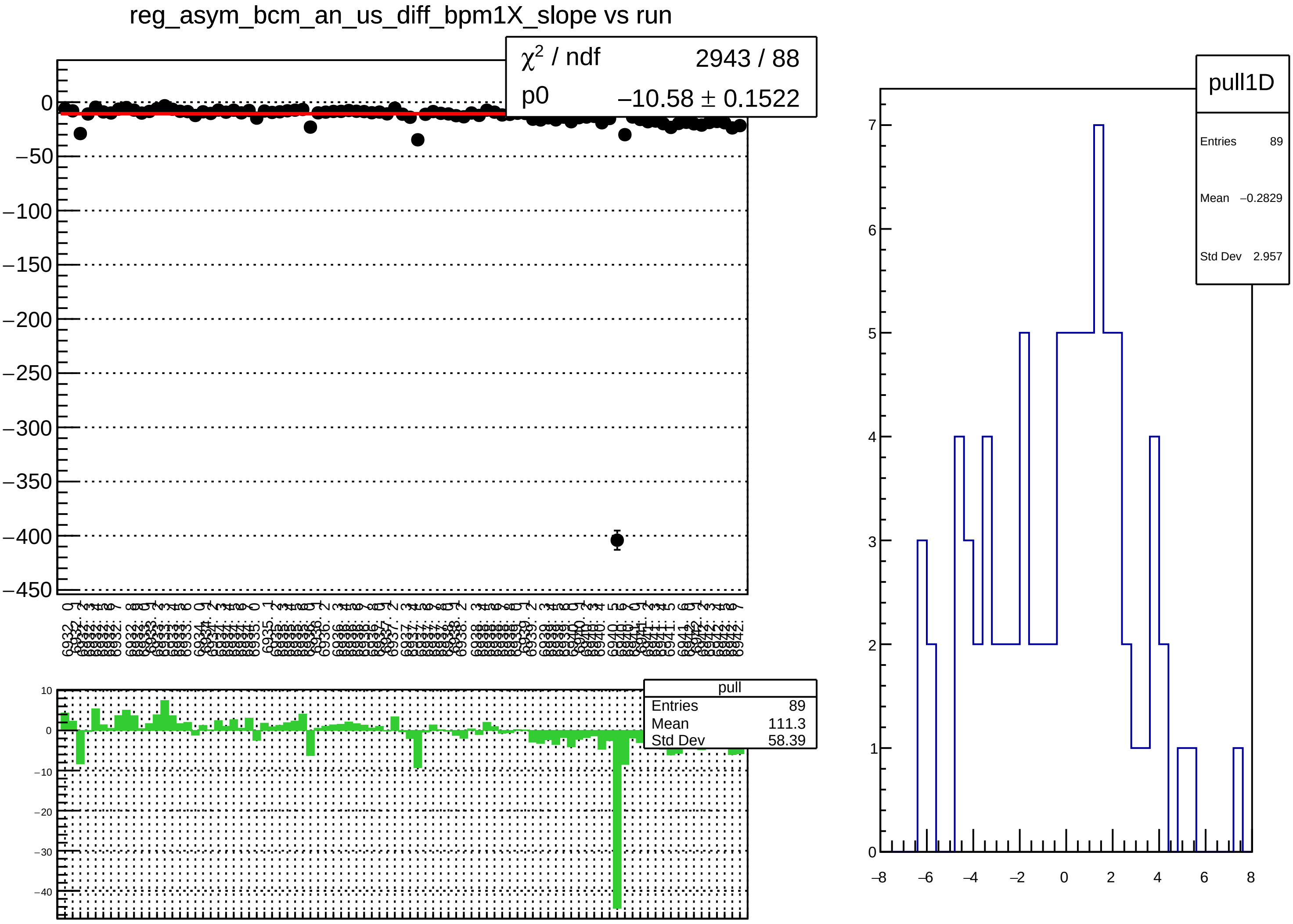
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ2 / ndf 2841 / 88
p0 9.453 ± 0.1411
pull
Entries 89
Mean 110.9
Std Dev 57.73
pull1D
Entries 89
Mean 0.2723
Std Dev 2.903

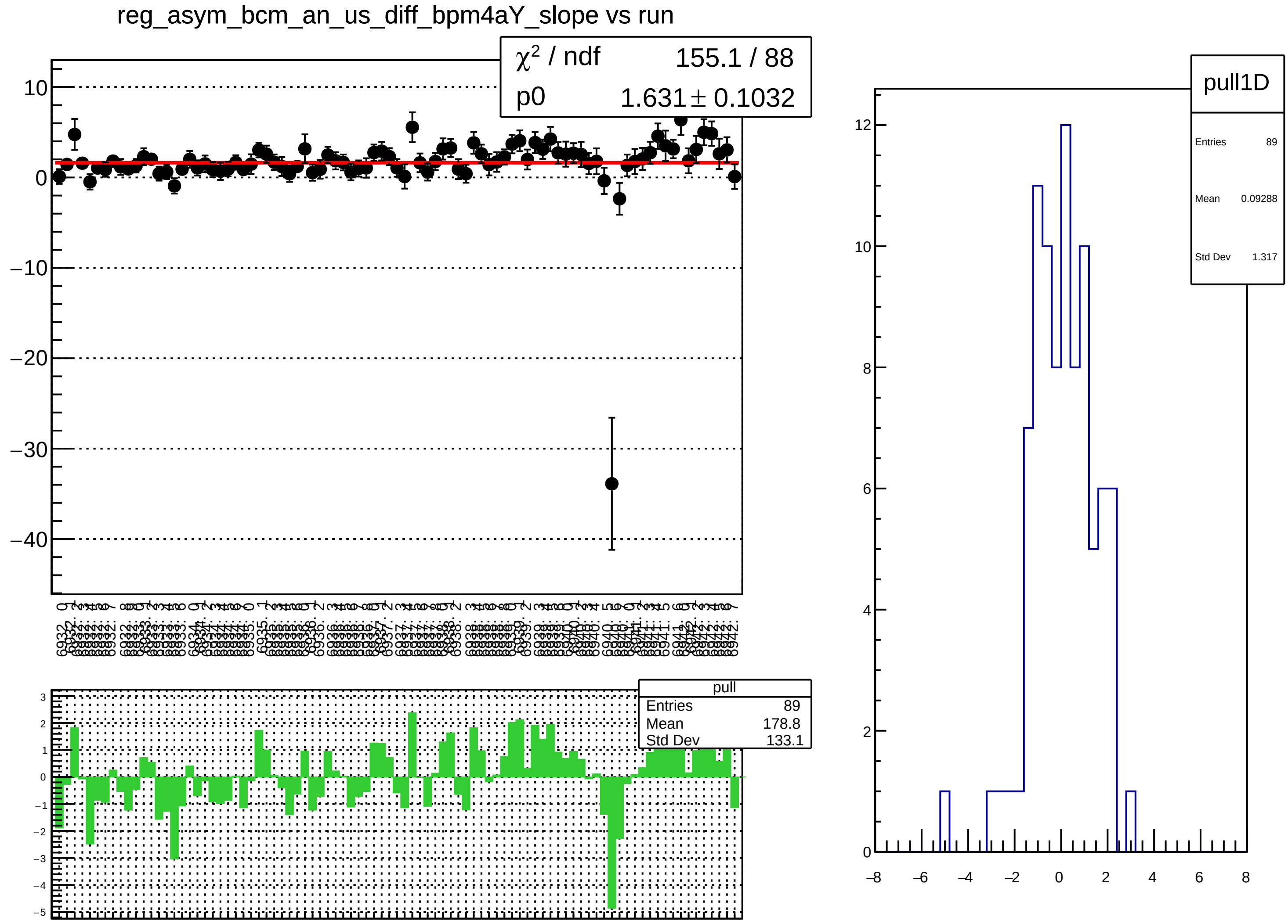


reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 157.7 / 88
p0 −2.365 ± 0.1189
pull
Entries 89
Mean 148.3
Std Dev 101.2
pull1D
Entries 89
Mean −0.1224
Std Dev 1.326

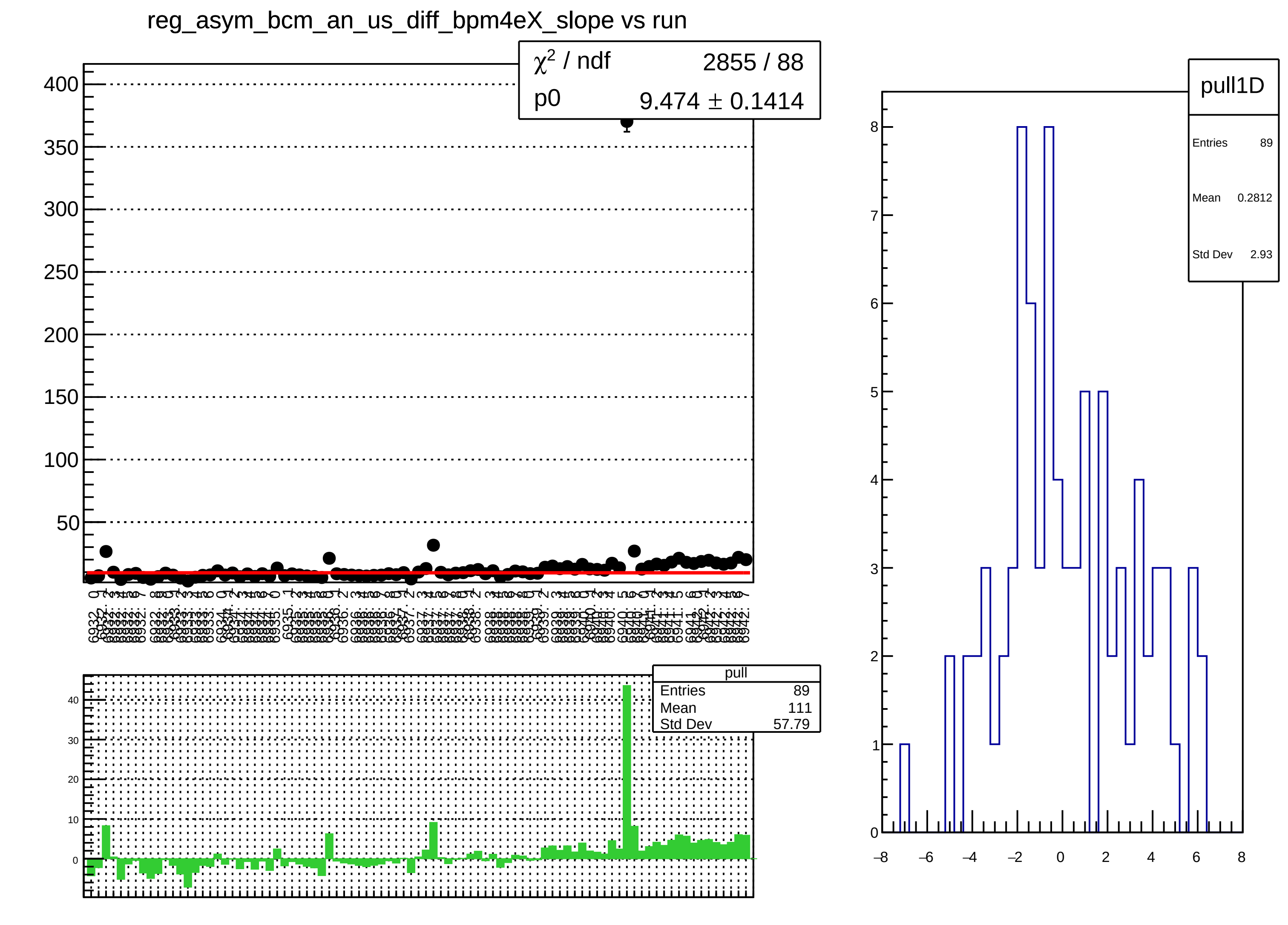


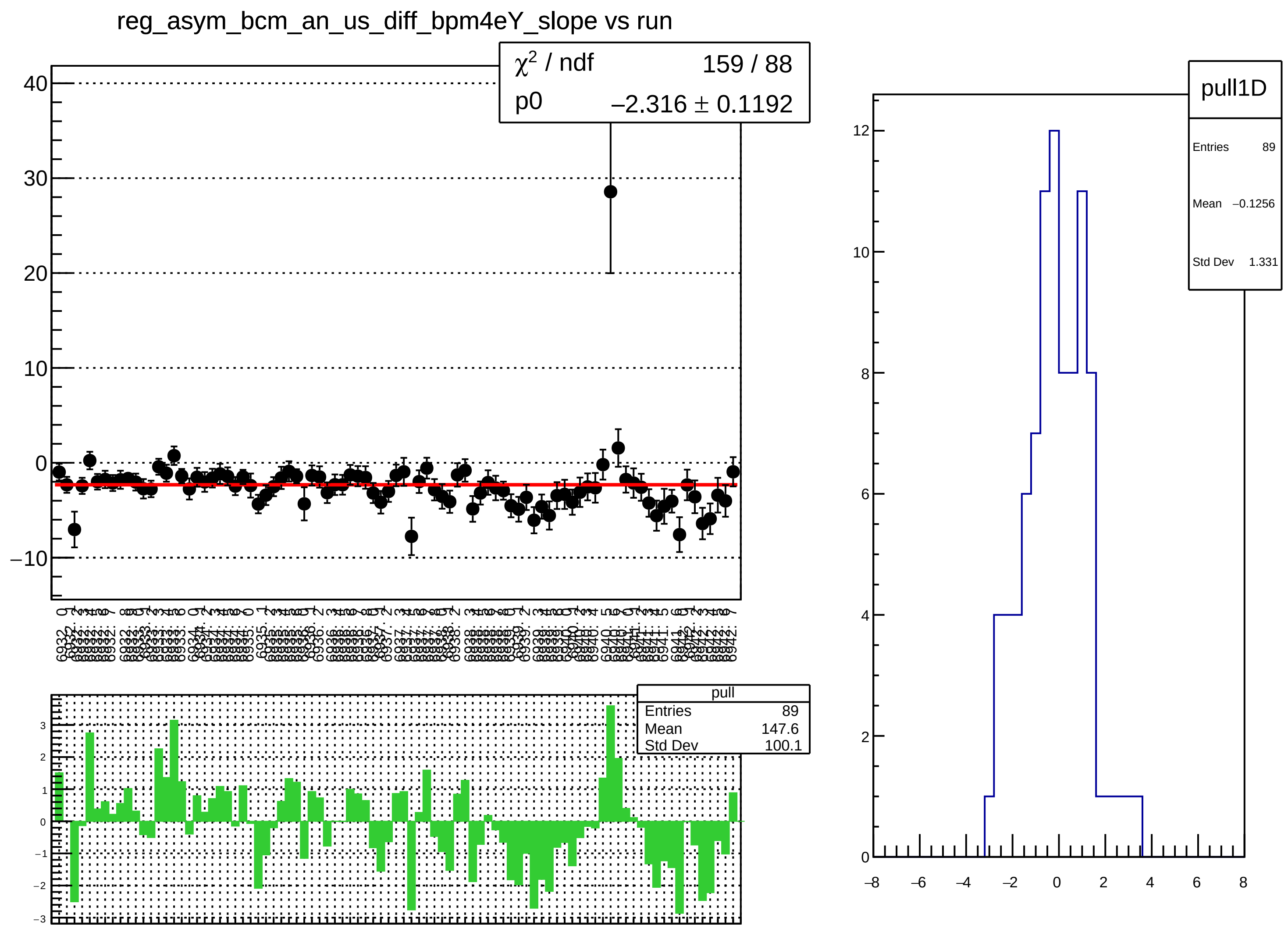
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 131 / 88
p0 −0.02756 ± 0.004897
pull
Entries 89
Mean 93.59
Std Dev 32.54
pull1D
Entries 89
Mean 0.0951
Std Dev 1.21


reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 2943 / 88
p0 −10.58 ± 0.1522
pull
Entries 89
Mean 111.3
Std Dev 58.39
pull1D
Entries 89
Mean −0.2829
Std Dev 2.957

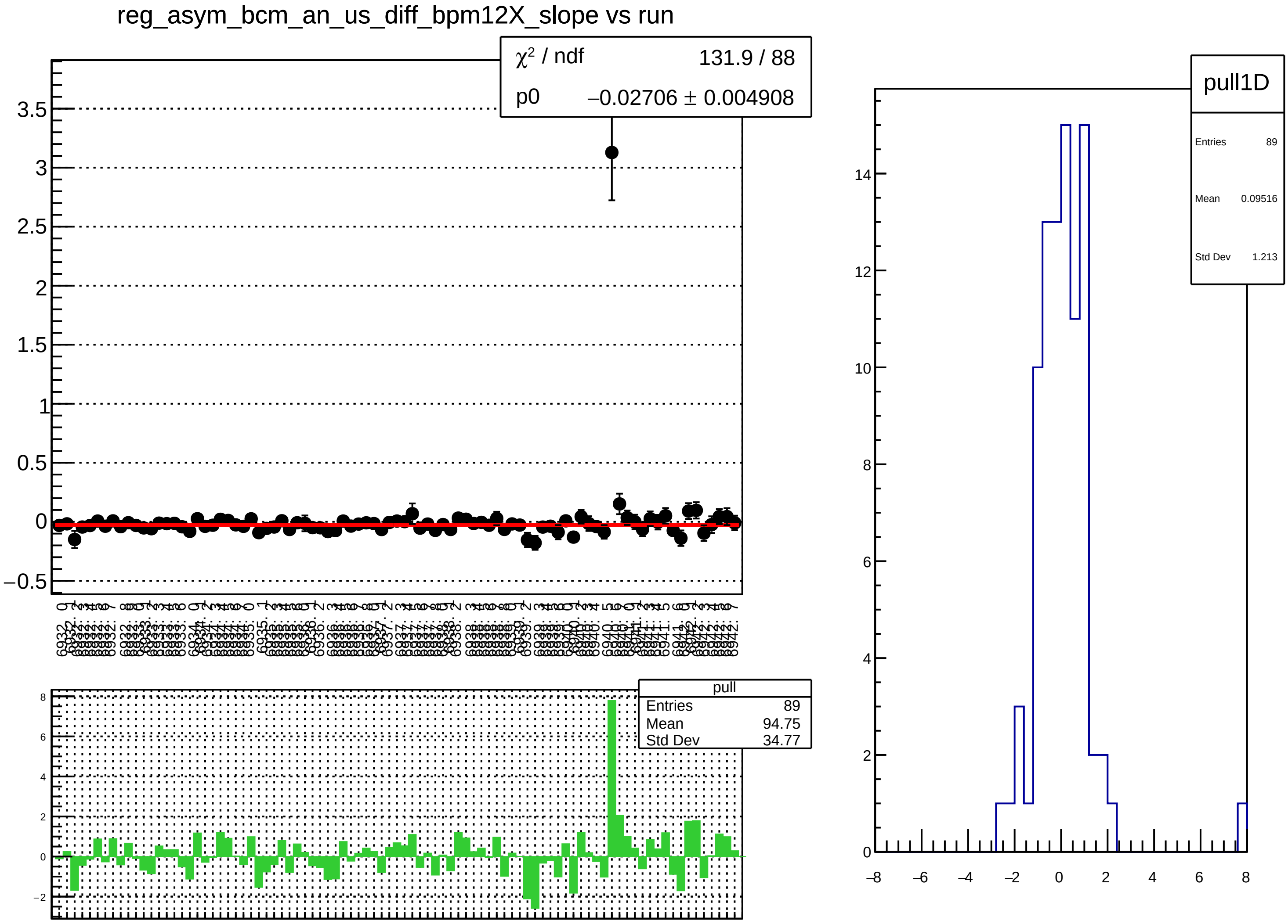


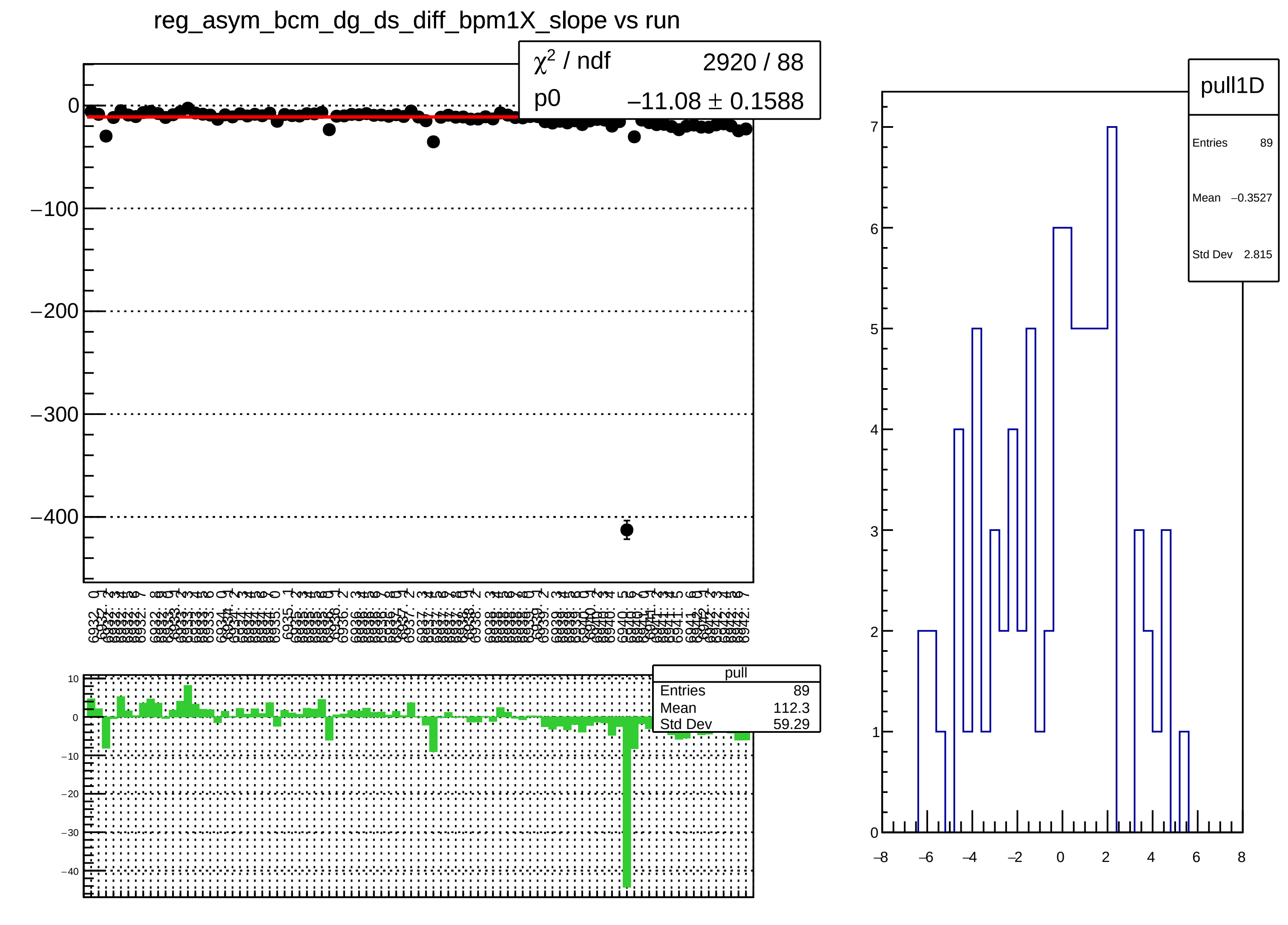
reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ2 / ndf 155.1 / 88
p0 1.631 ± 0.1032
pull
Entries 89
Mean 178.8
Std Dev 133.1
pull1D
Entries 89
Mean 0.09288
Std Dev 1.317

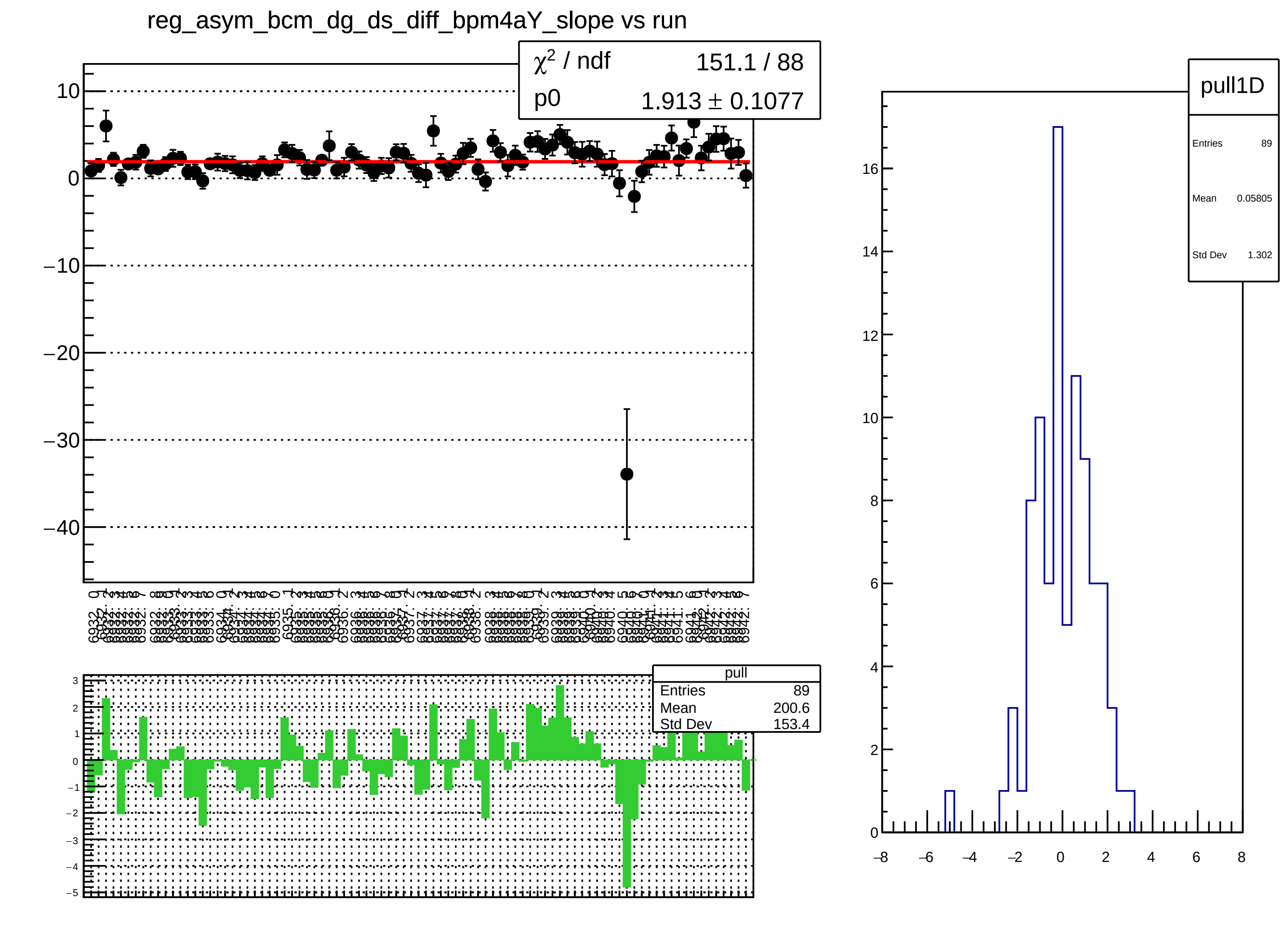

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 2855 / 88
p0 9.474 ± 0.1414
pull
Entries 89
Mean 111
Std Dev 57.79
pull1D
Entries 89
Mean 0.2812
Std Dev 2.93



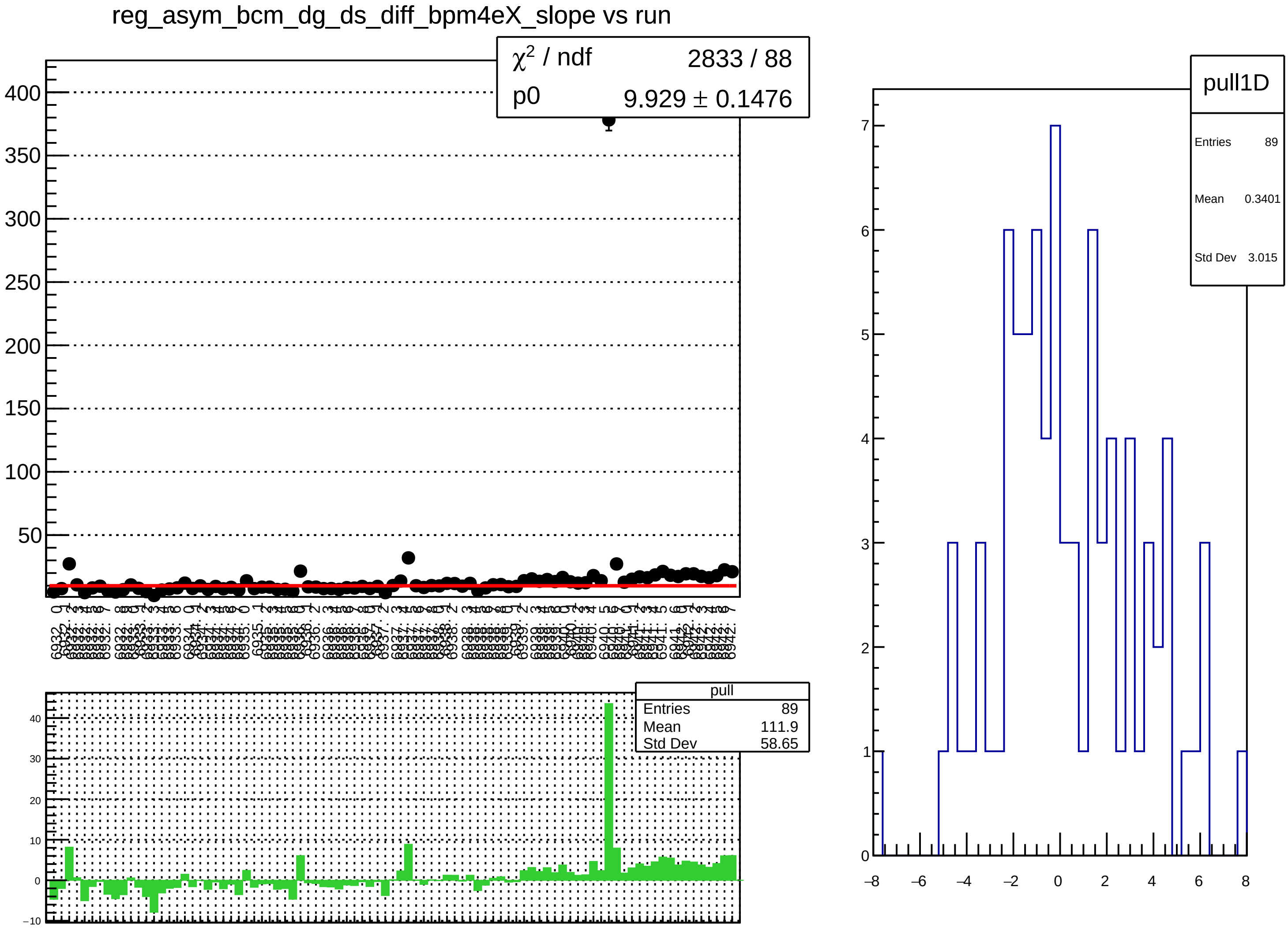
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 159 / 88
p0 −2.316 ± 0.1192
pull
Entries 89
Mean 147.6
Std Dev 100.1
pull1D
Entries 89
Mean −0.1256
Std Dev 1.331


reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ2 / ndf 131.9 / 88
p0 −0.02706 ± 0.004908
pull
Entries 89
Mean 94.75
Std Dev 34.77
pull1D
Entries 89
Mean 0.09516
Std Dev 1.213

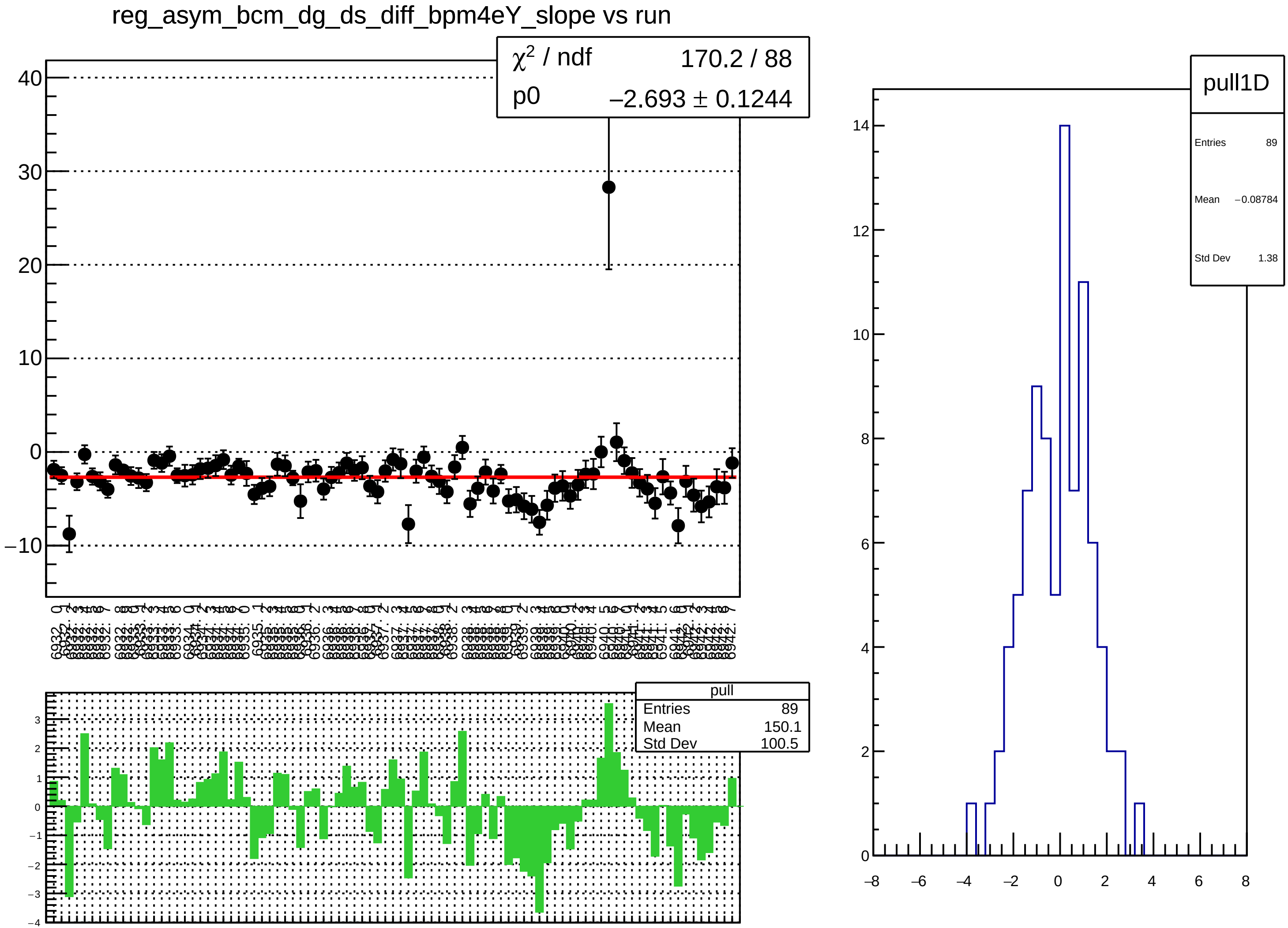

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ2 / ndf 2920 / 88
p0 −11.08 ± 0.1588
pull
Entries 89
Mean 112.3
Std Dev 59.29
pull1D
Entries 89
Mean −0.3527
Std Dev 2.815



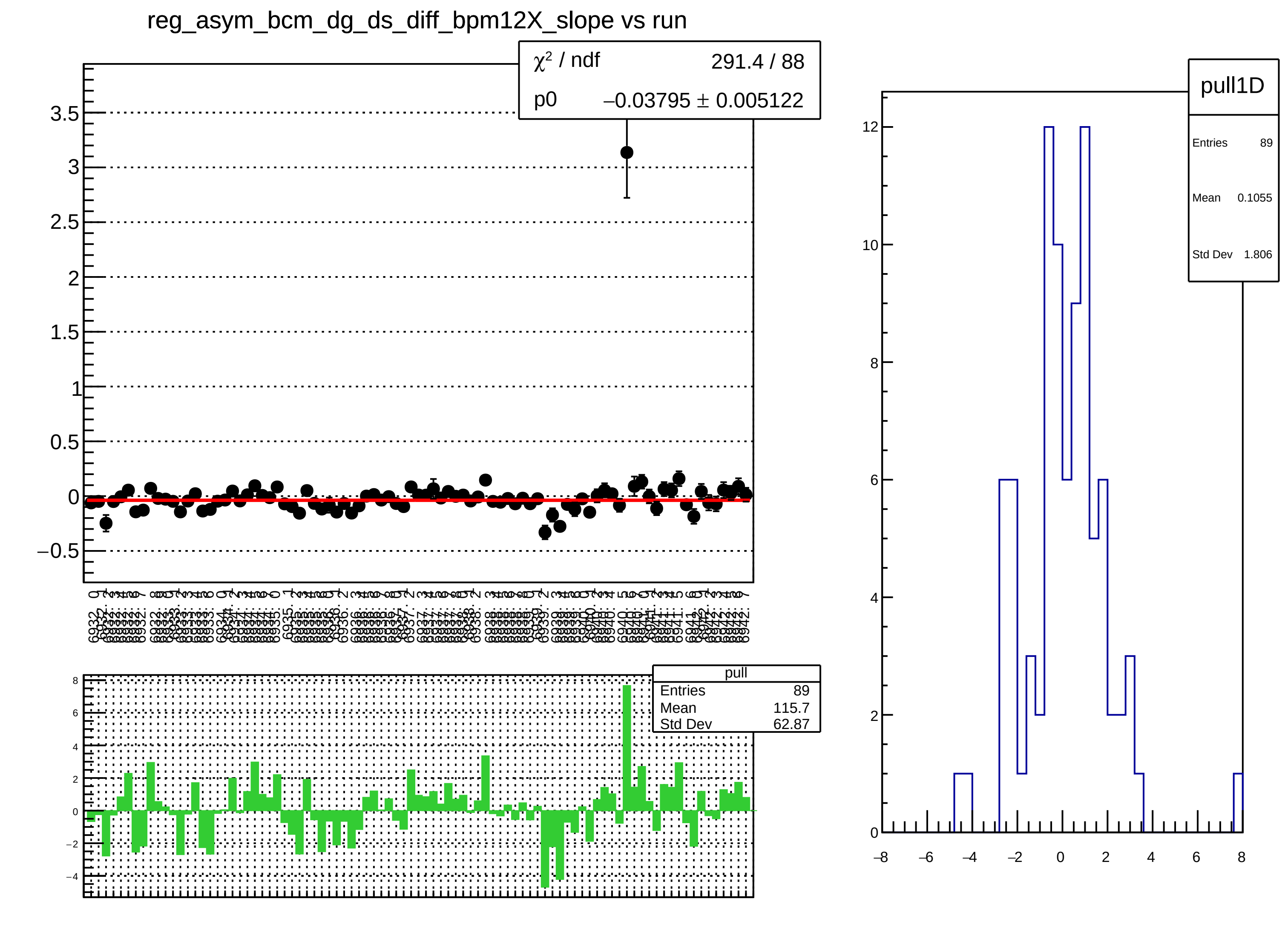
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 151.1 / 88
p0 1.913 ± 0.1077
pull
Entries 89
Mean 200.6
Std Dev 153.4
pull1D
Entries 89
Mean 0.05805
Std Dev 1.302



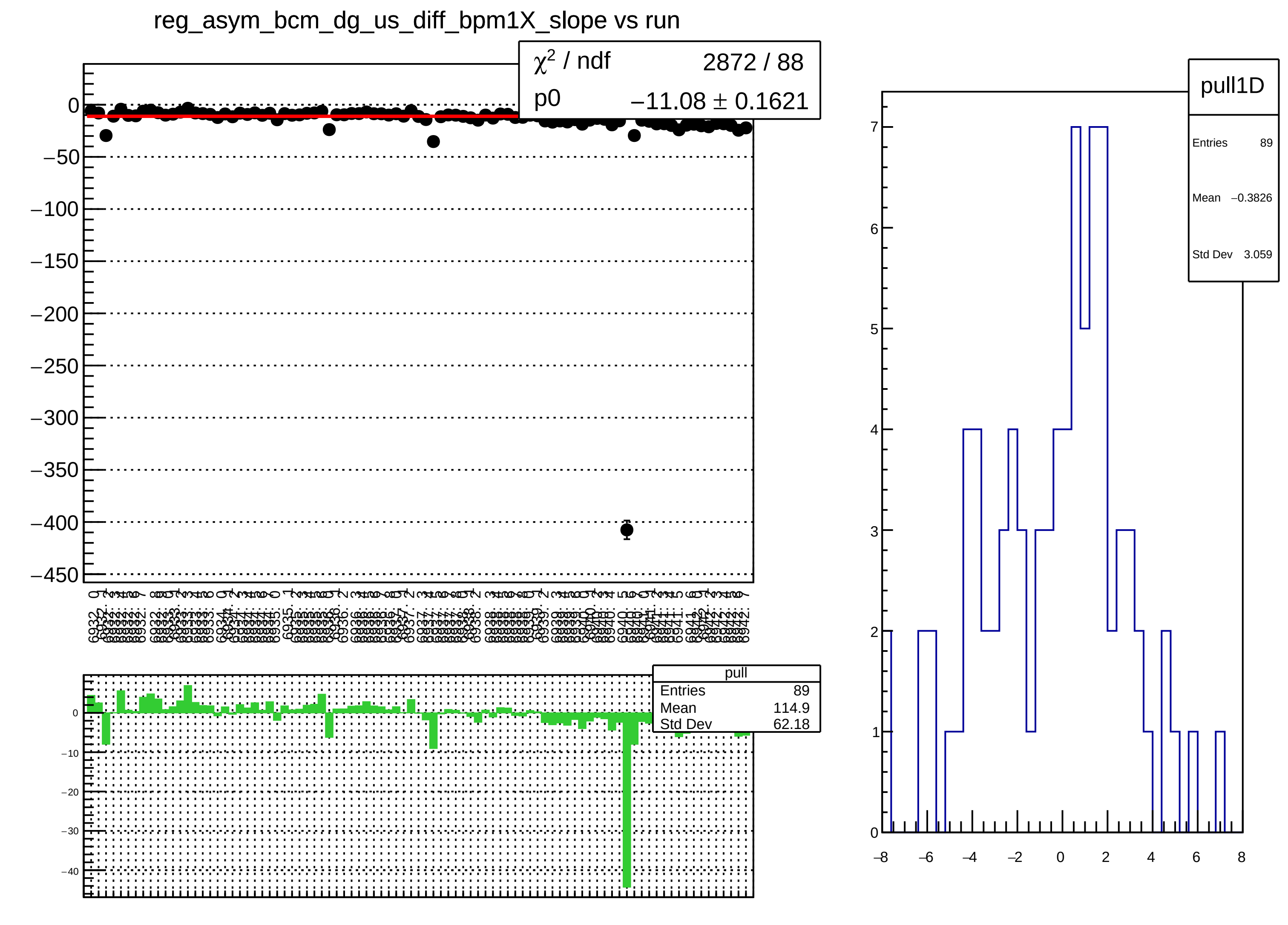
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ2 / ndf 2833 / 88
p0 9.929 ± 0.1476
pull
Entries 89
Mean 111.9
Std Dev 58.65
pull1D
Entries 89
Mean 0.3401
Std Dev 3.015



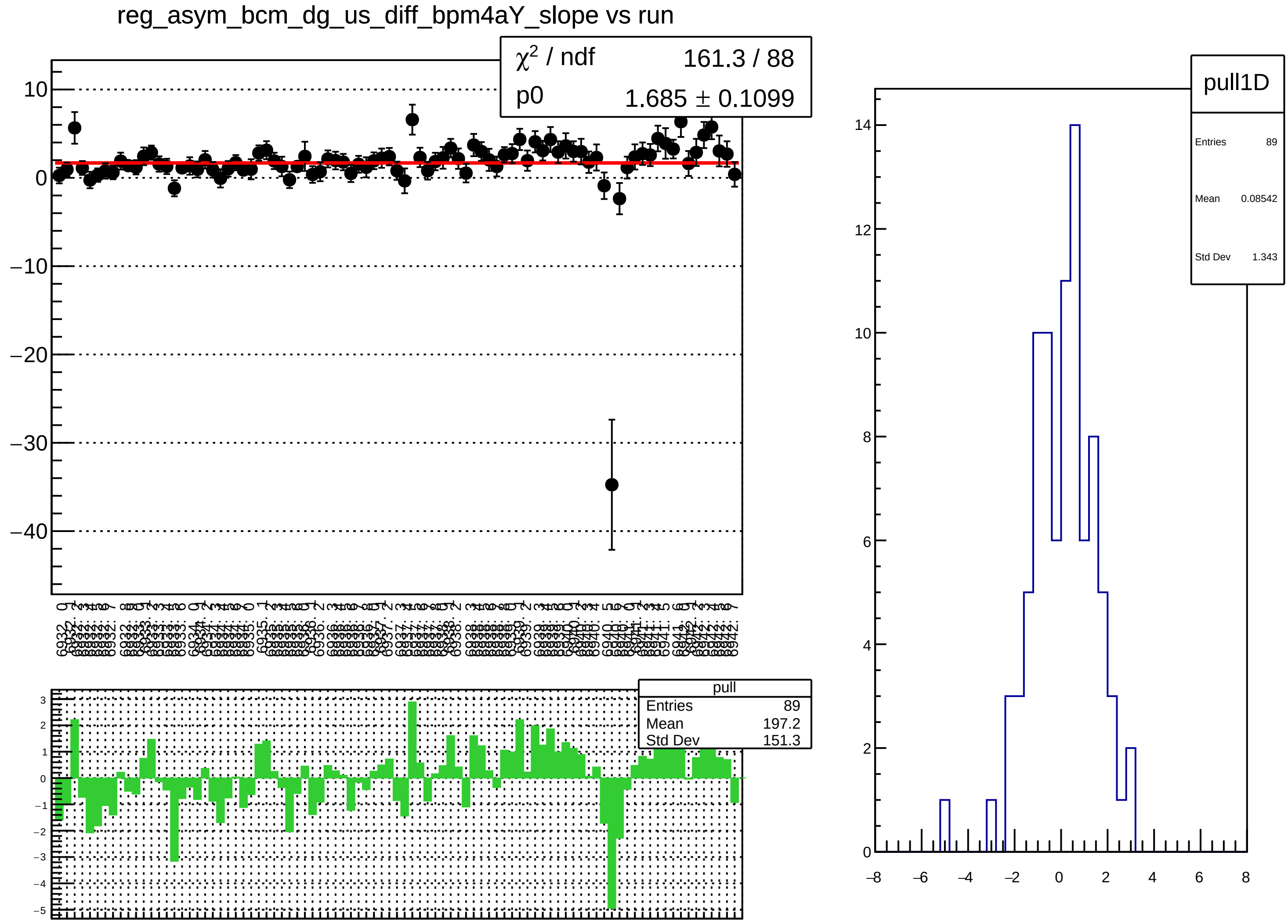
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 170.2 / 88
p0 −2.693 ± 0.1244
pull
Entries 89
Mean 150.1
Std Dev 100.5
pull1D
Entries 89
Mean −0.08784
Std Dev 1.38

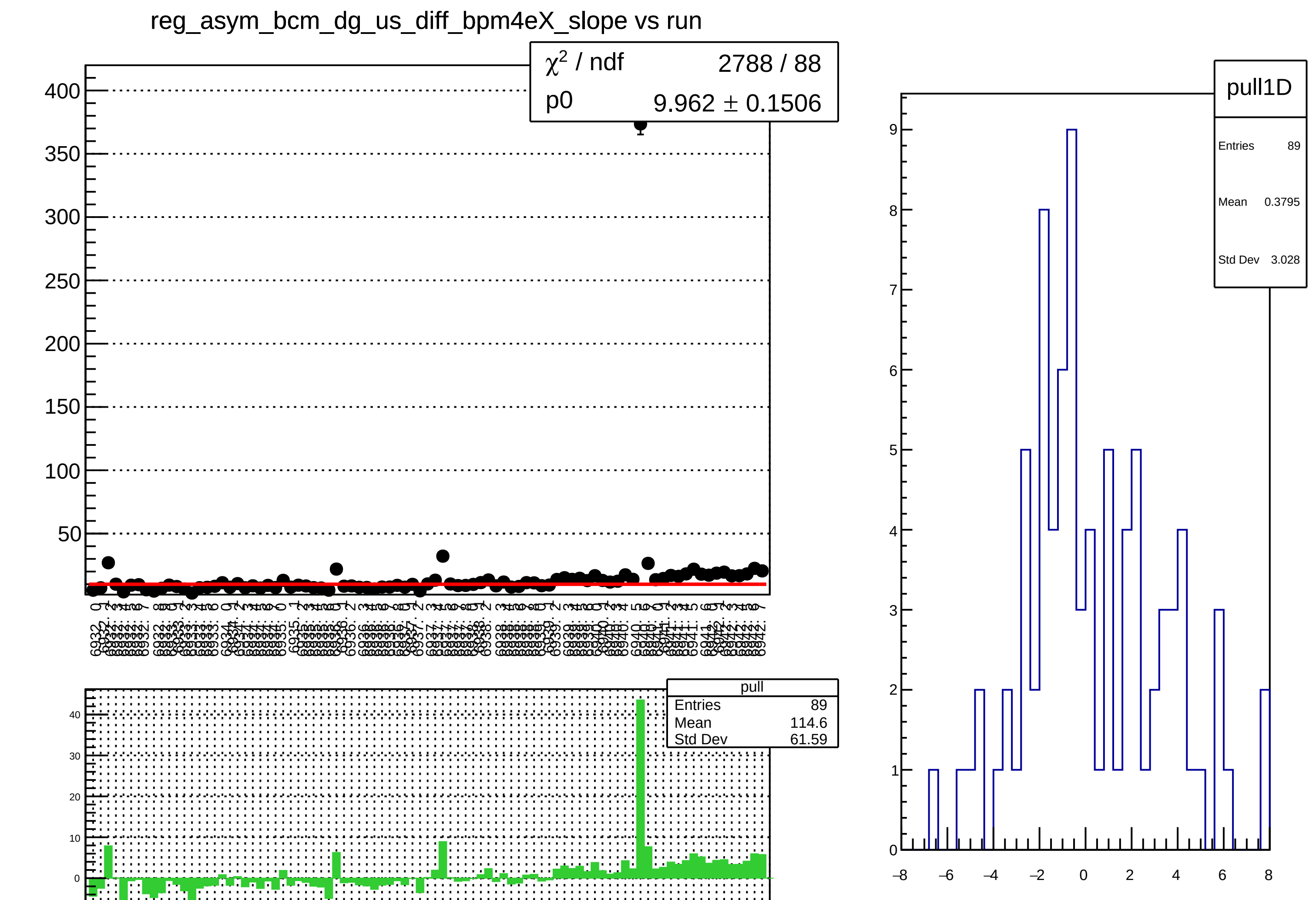


reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 291.4 / 88
p0 −0.03795 ± 0.005122
pull
Entries 89
Mean 115.7
Std Dev 62.87
pull1D
Entries 89
Mean 0.1055
Std Dev 1.806

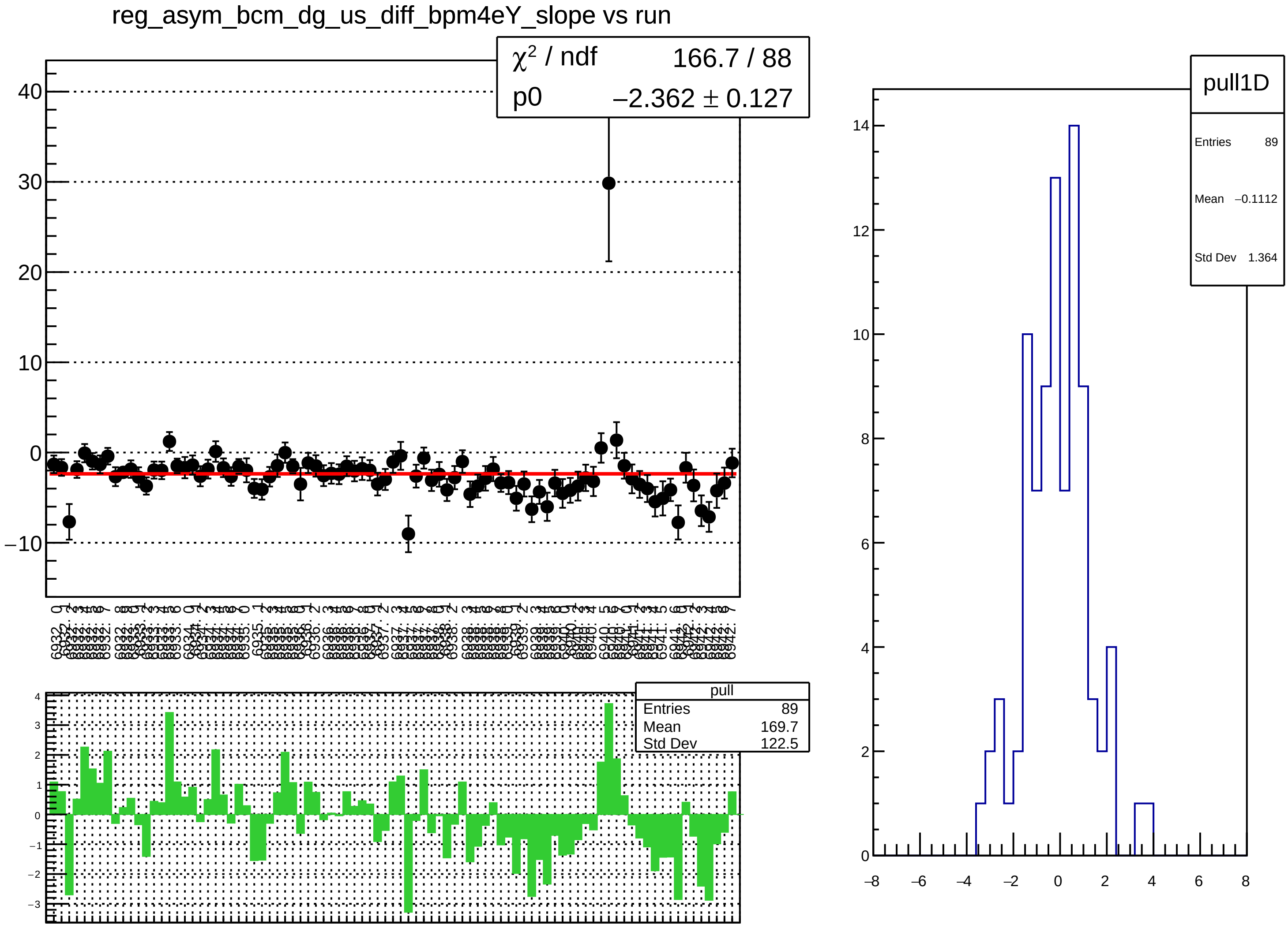


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ2 / ndf 2872 / 88
p0 −11.08 ± 0.1621
pull
Entries 89
Mean 114.9
Std Dev 62.18
pull1D
Entries 89
Mean −0.3826
Std Dev 3.059

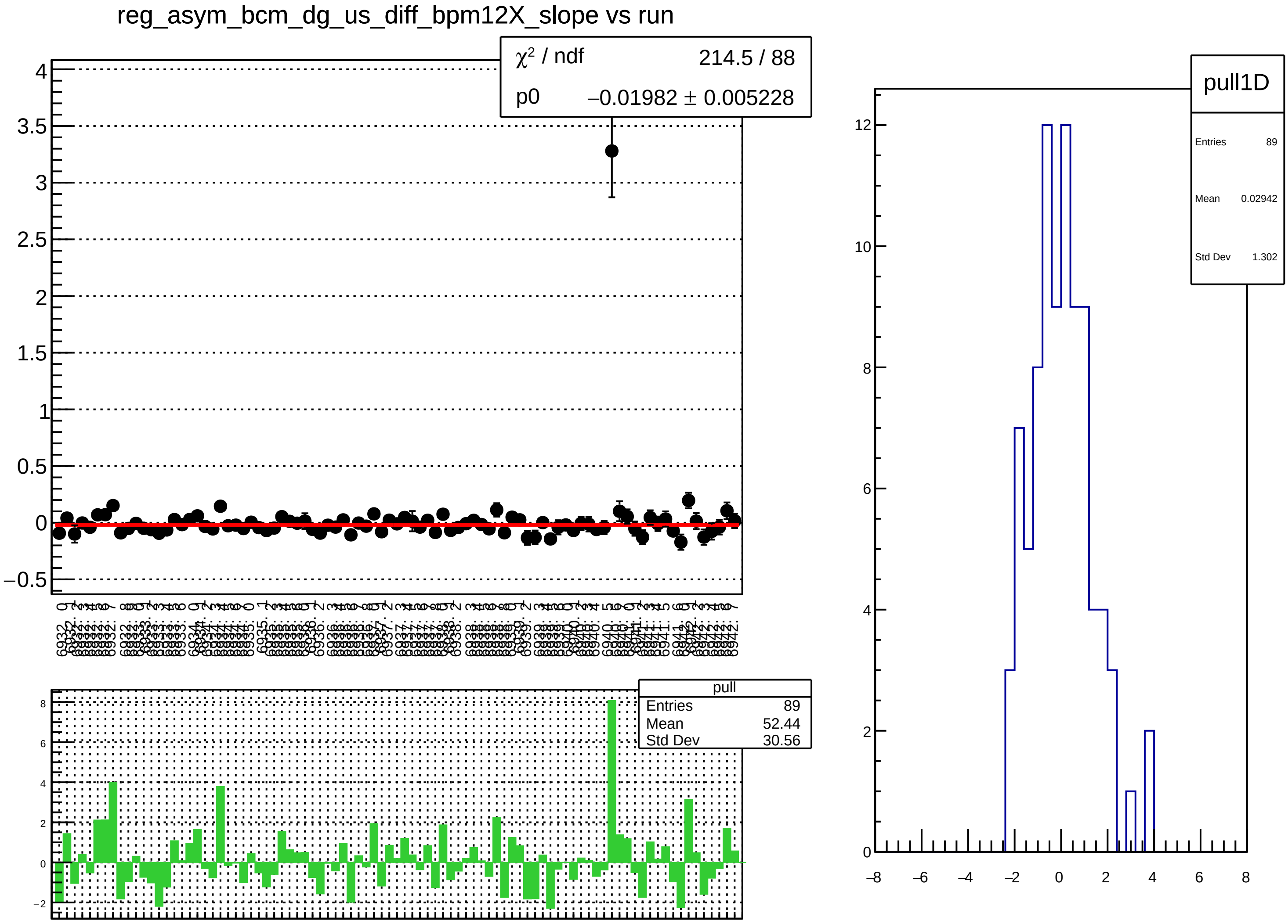

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 161.3 / 88
p0 1.685 ± 0.1099
pull
Entries 89
Mean 197.2
Std Dev 151.3
pull1D
Entries 89
Mean 0.08542
Std Dev 1.343



reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ2 / ndf 2788 / 88
p0 9.962 ± 0.1506
pull
Entries 89
Mean 114.6
Std Dev 61.59
pull1D
Entries 89
Mean 0.3795
Std Dev 3.028



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ2 / ndf 166.7 / 88
p0 −2.362 ± 0.127
40
30
20
10
0
−10
pull
Entries 89
Mean 169.7
Std Dev 122.5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.1112
Std Dev 1.364
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ2 / ndf 214.5 / 88
p0 −0.01982 ± 0.005228
pull
Entries 89
Mean 52.44
Std Dev 30.56
pull1D
Entries 89
Mean 0.02942
Std Dev 1.302