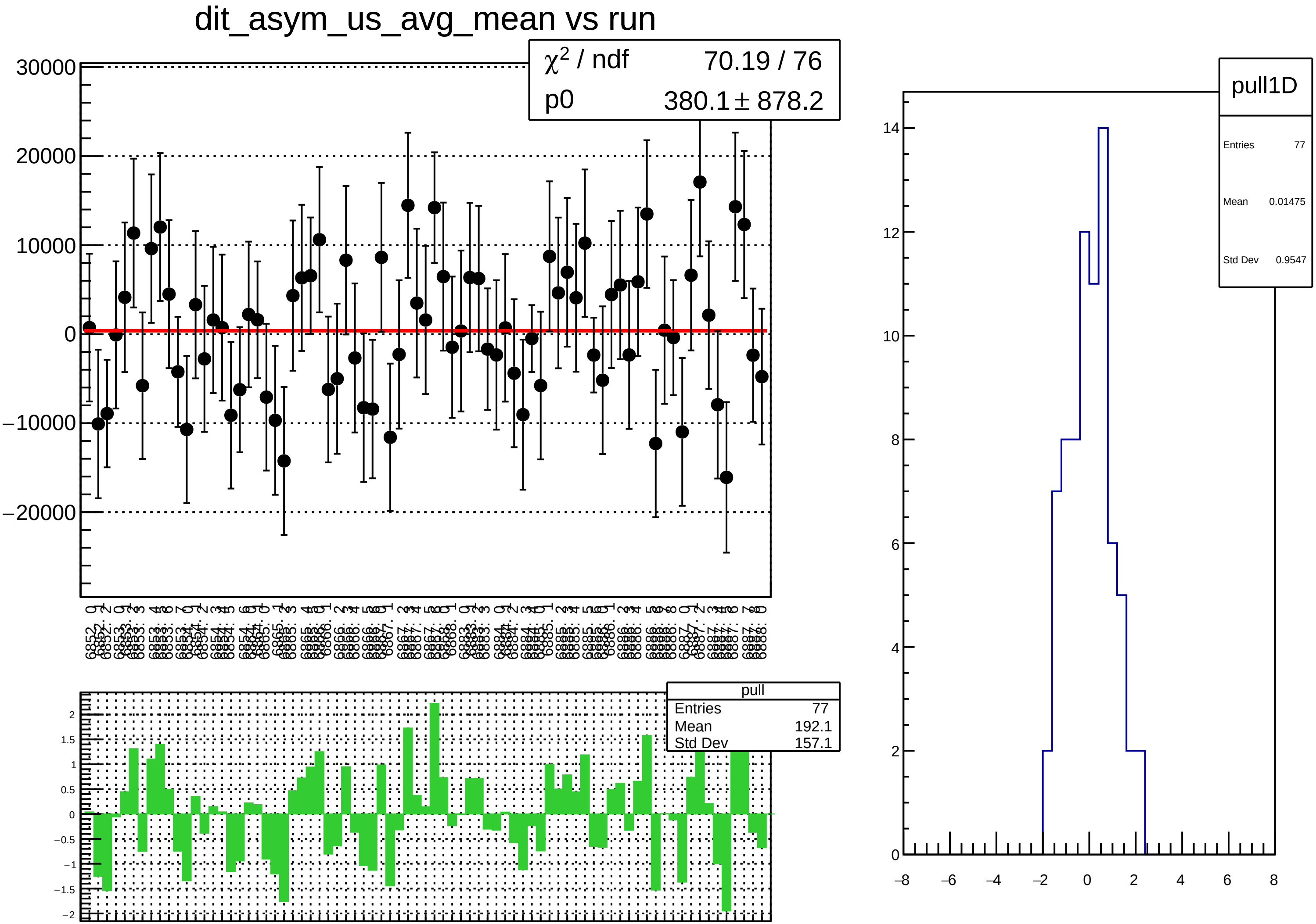
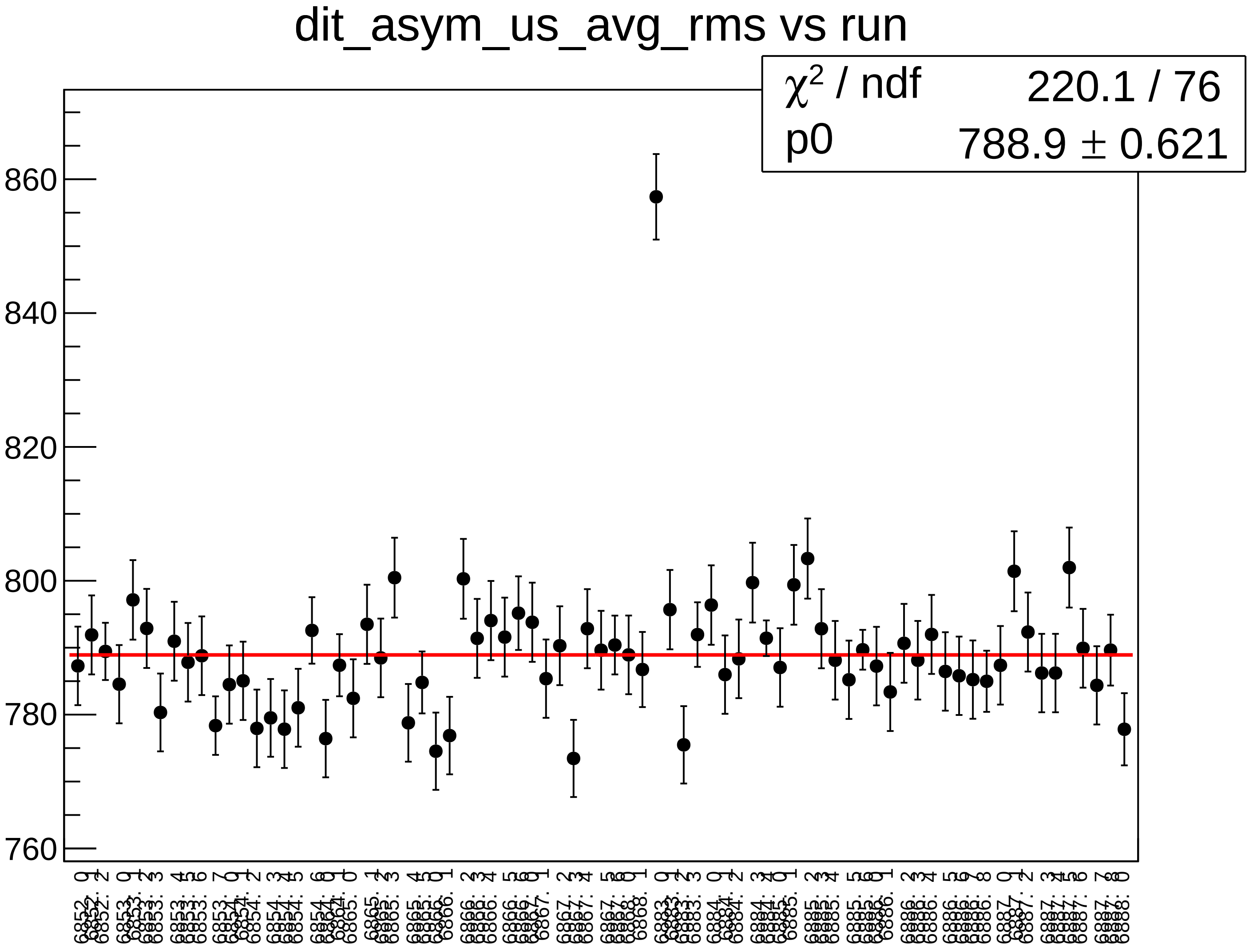
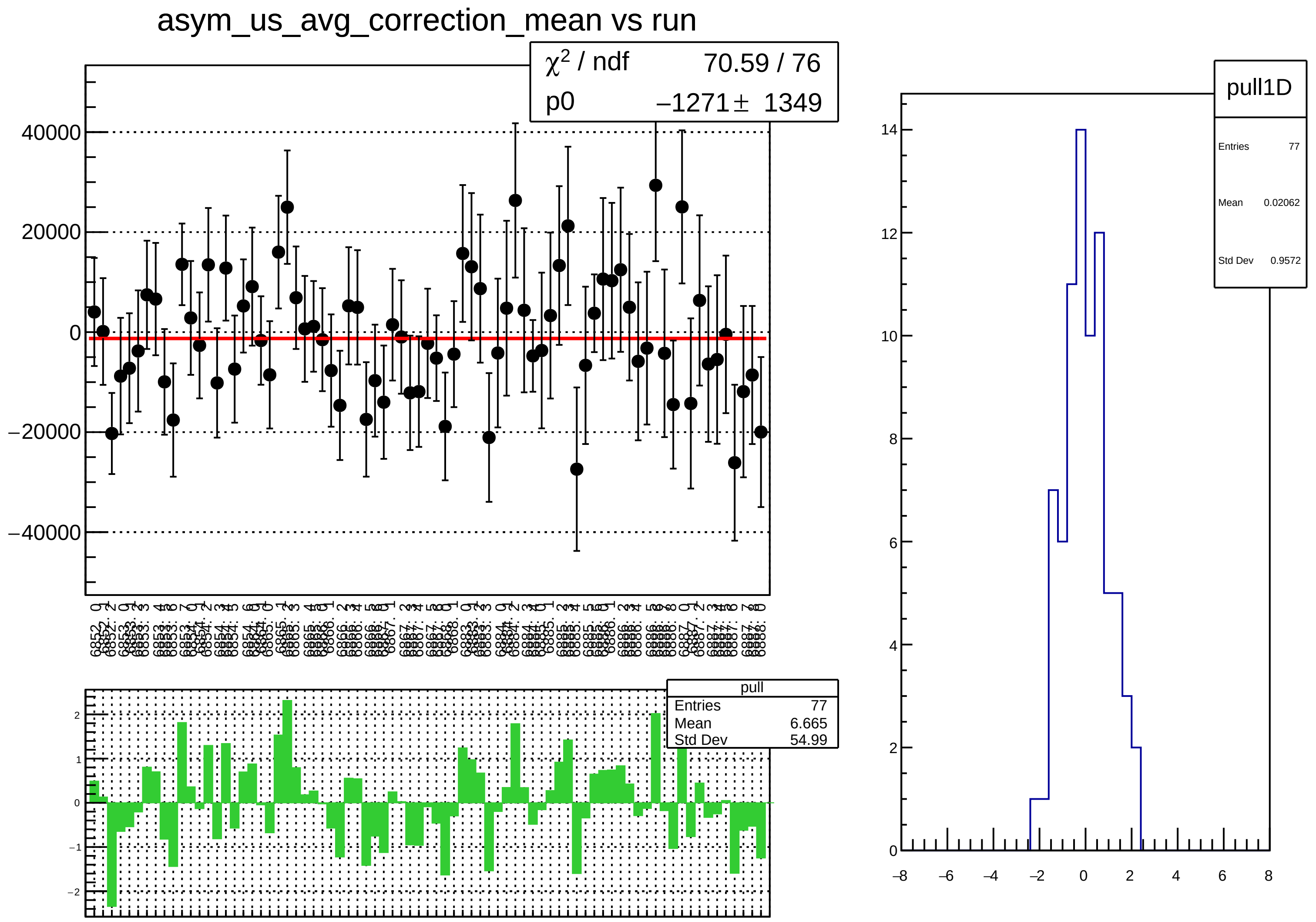
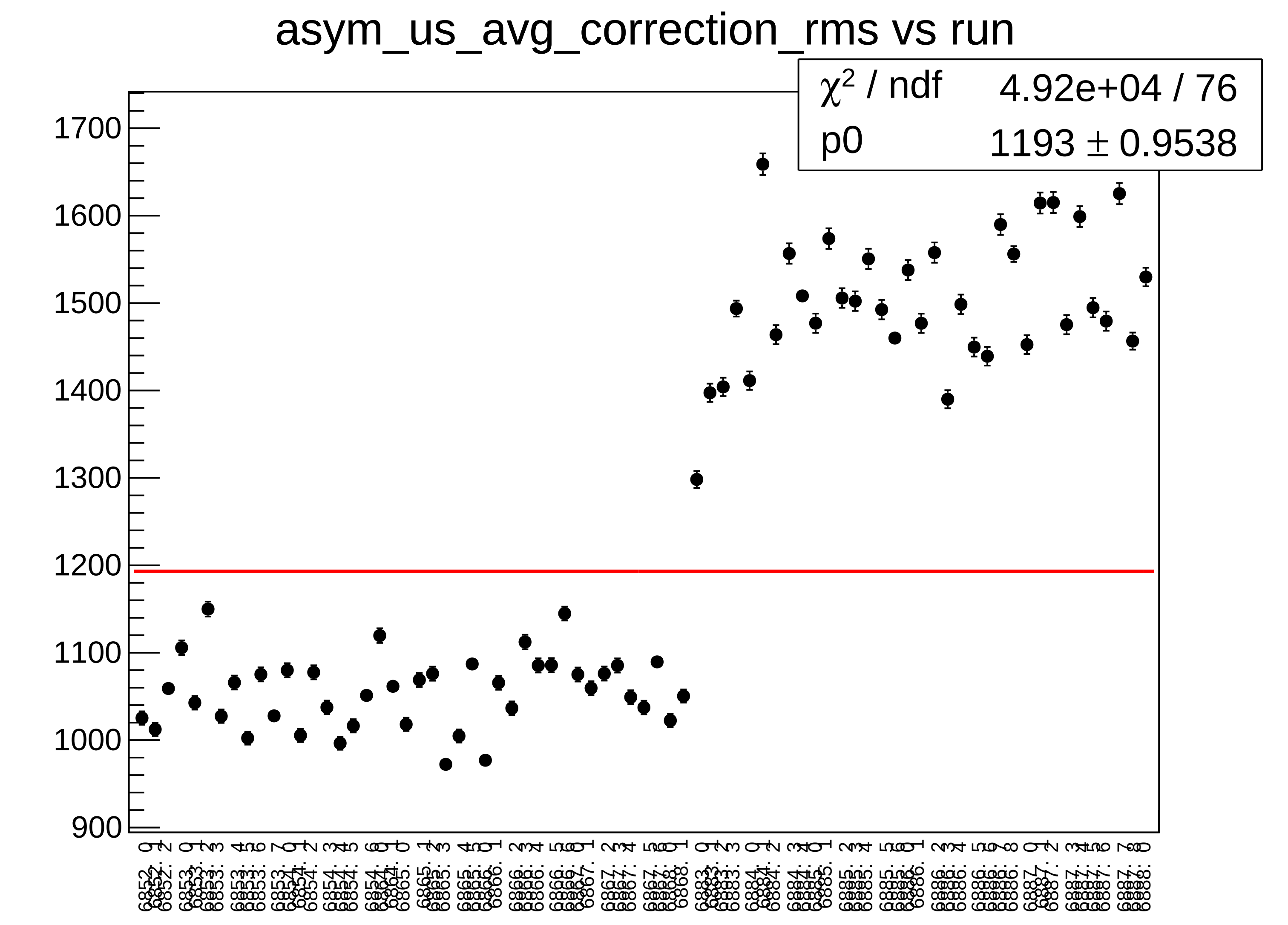
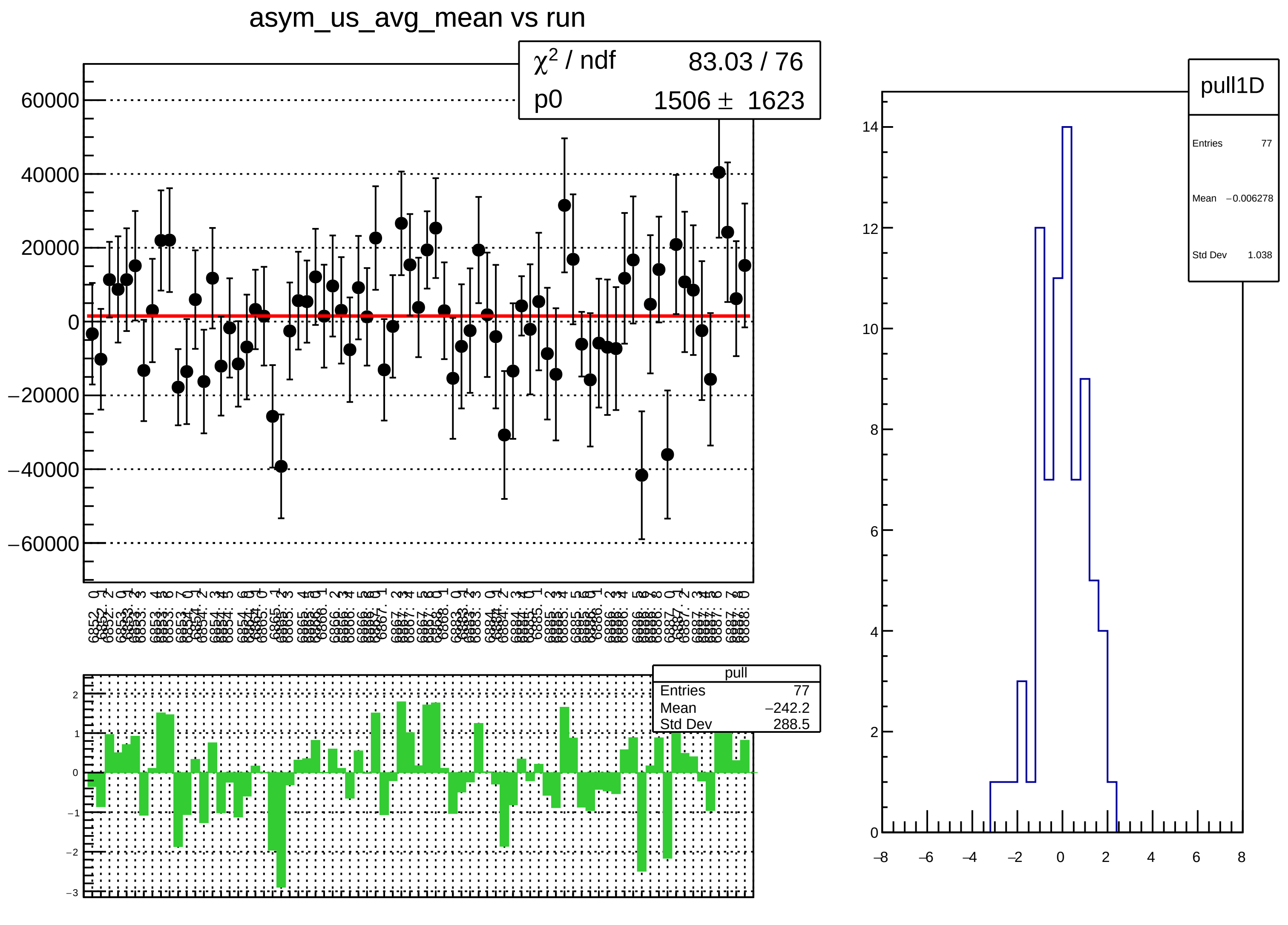

dit_asym_us_avg_mean vs run
χ2 / ndf 70.19 / 76
p0 380.1 ± 878.2
30000
20000
10000
0
−10000
−20000
pull
Entries 77
Mean 192.1
Std Dev 157.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean 0.01475
Std Dev 0.9547
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_rms vs run
χ2 / ndf 220.1 / 76
p0 788.9 ± 0.621
860
840
820
800
780
760

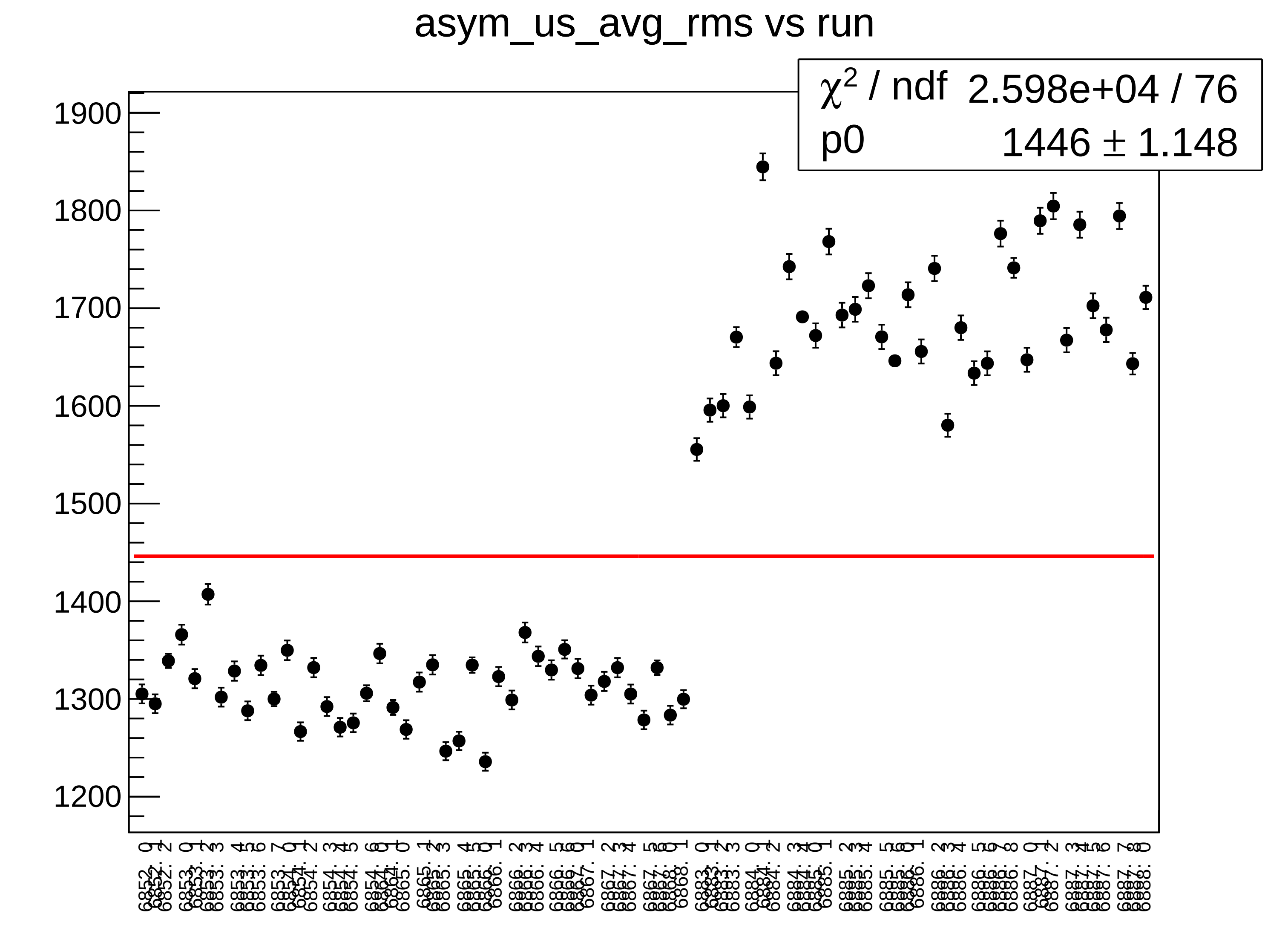

asym_us_avg_correction_mean vs run
$\chi^2$ / ndf 70.59 / 76
p0 −1271 ± 1349
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 6.665
Std Dev 54.99
pull1D
Entries 77
Mean 0.02062
Std Dev 0.9572



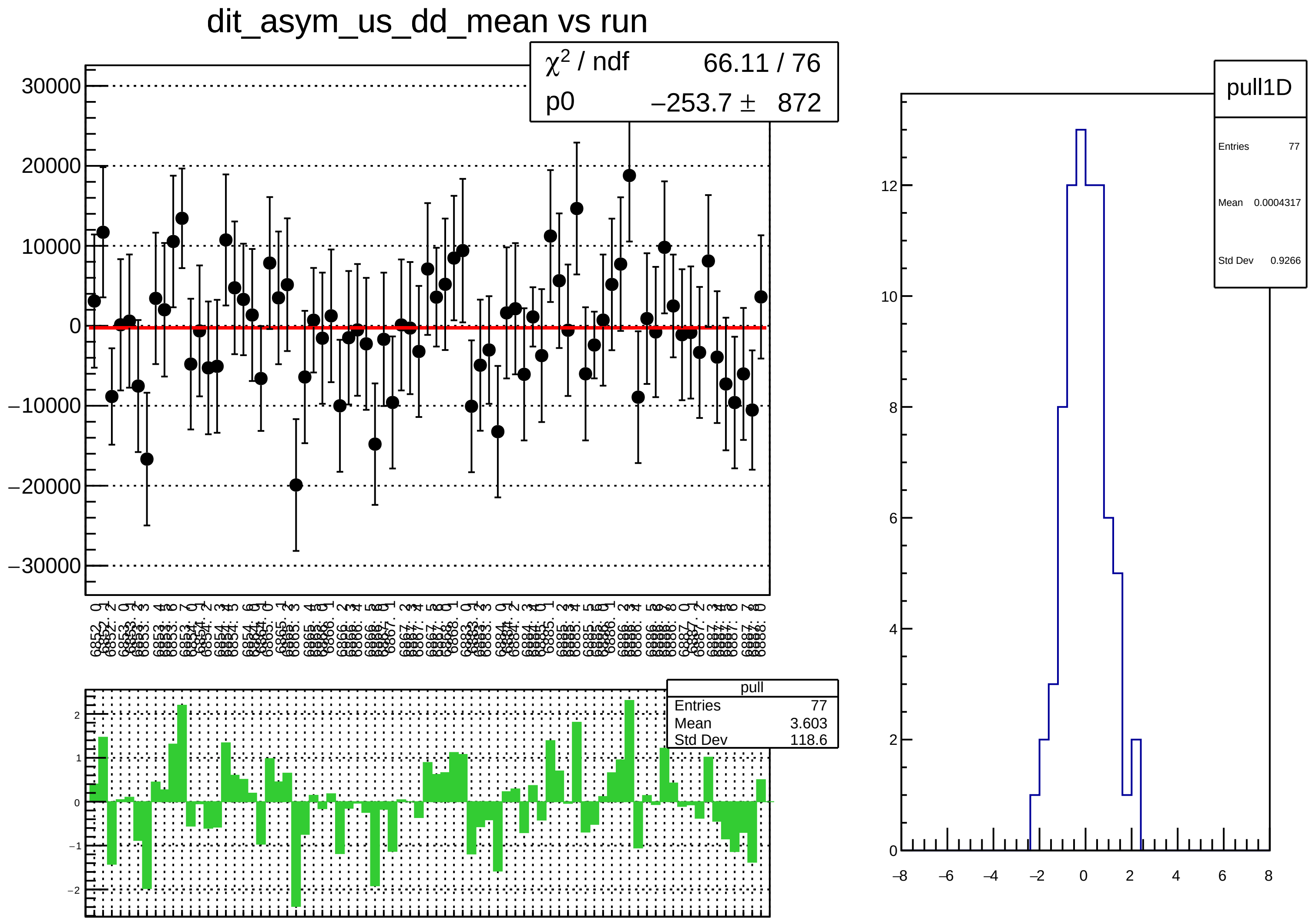
asym_us_avg_correction_rms vs run
$\chi^2$ / ndf 4.92e+04 / 76
p0 1193 ± 0.9538
1700
1600
1500
1400
1300
1200
1100
1000
900



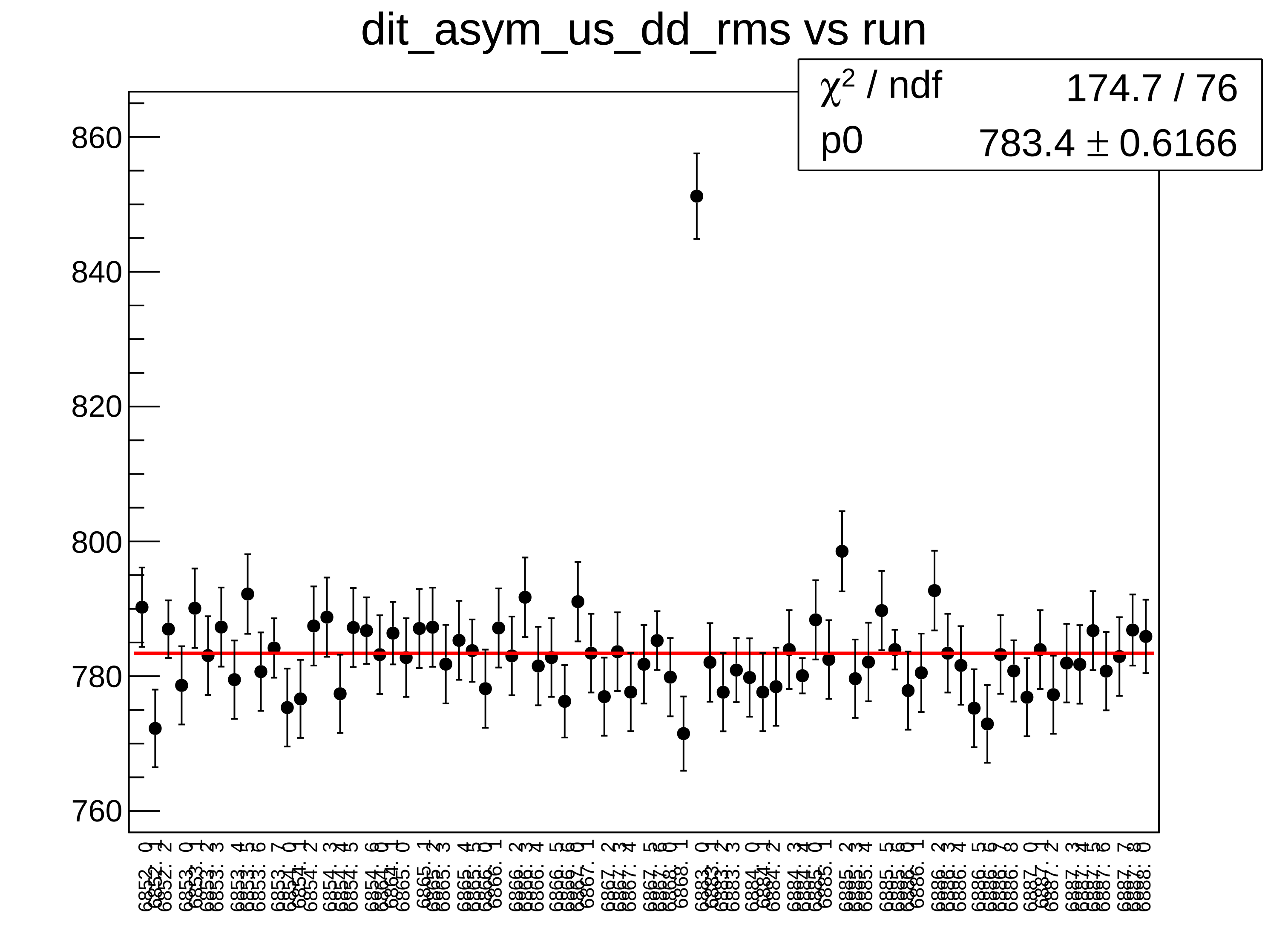
asym_us_avg_mean vs run
$\chi^2$ / ndf 83.03 / 76
p0 1506 ± 1623
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean −242.2
Std Dev 288.5
pull1D
Entries 77
Mean −0.006278
Std Dev 1.038

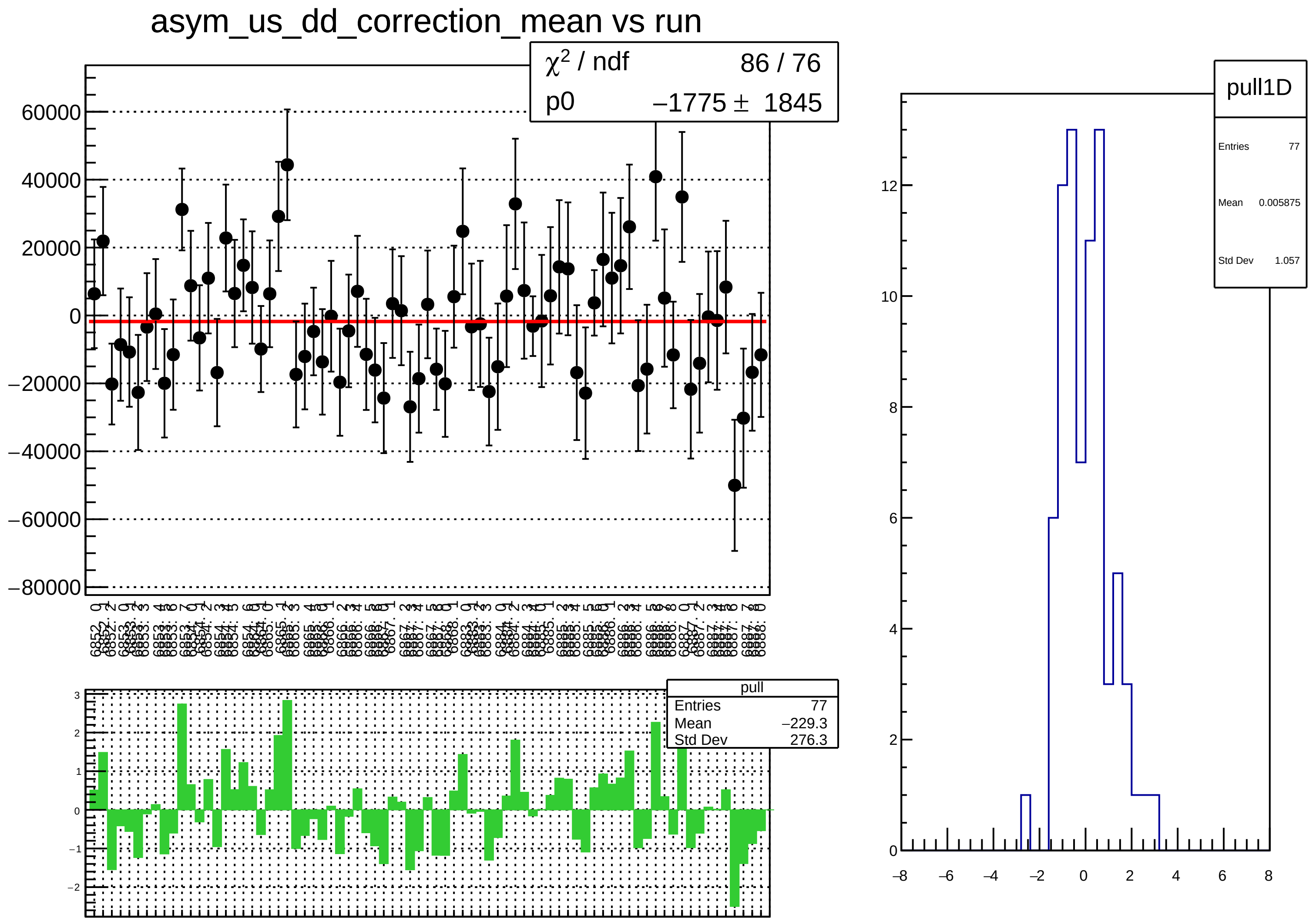


asym_us_avg_rms vs run
$\chi^2$ / ndf 2.598e+04 / 76
p0 1446 ± 1.148
1900
1800
1700
1600
1500
1400
1300
1200

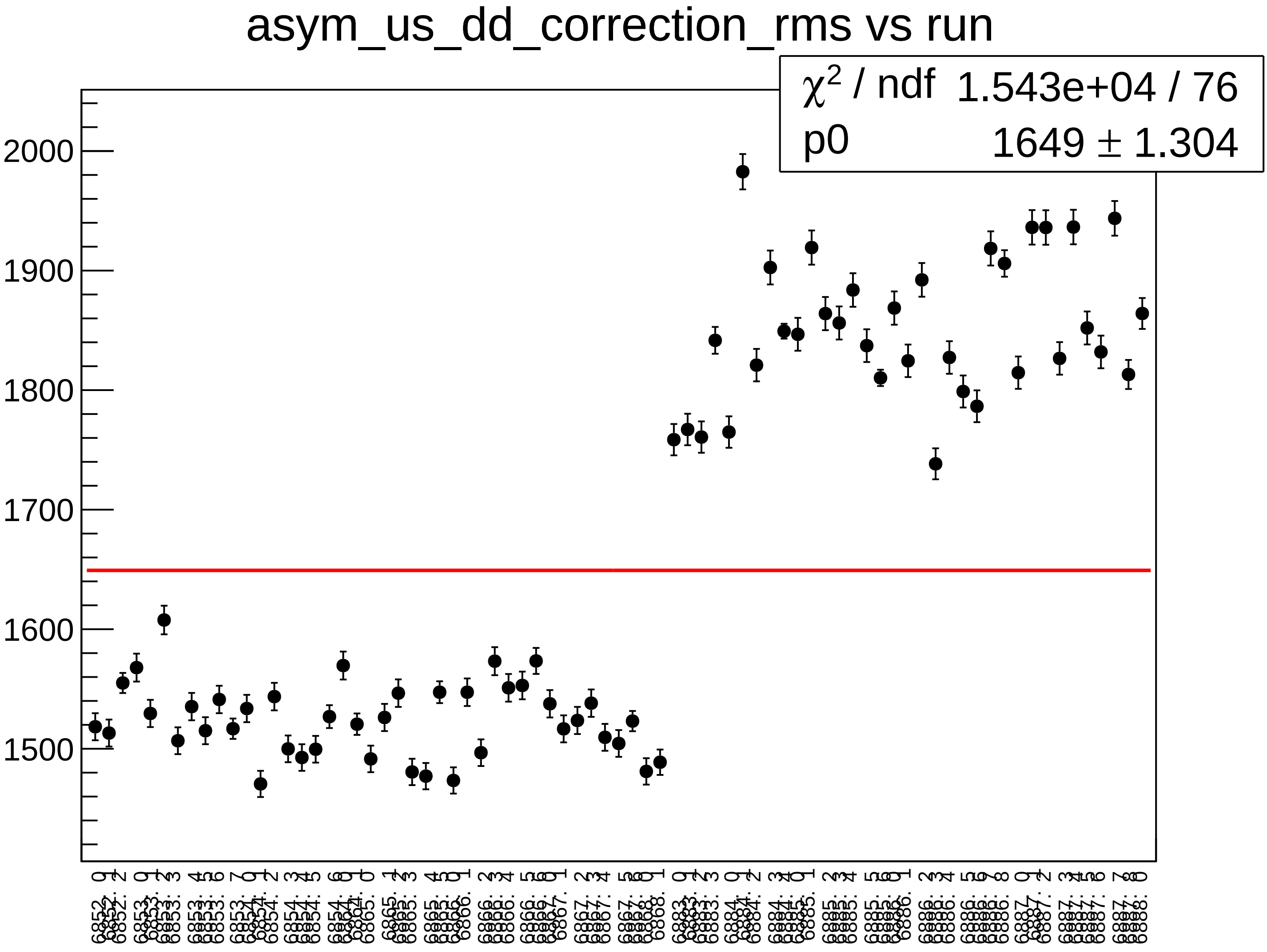


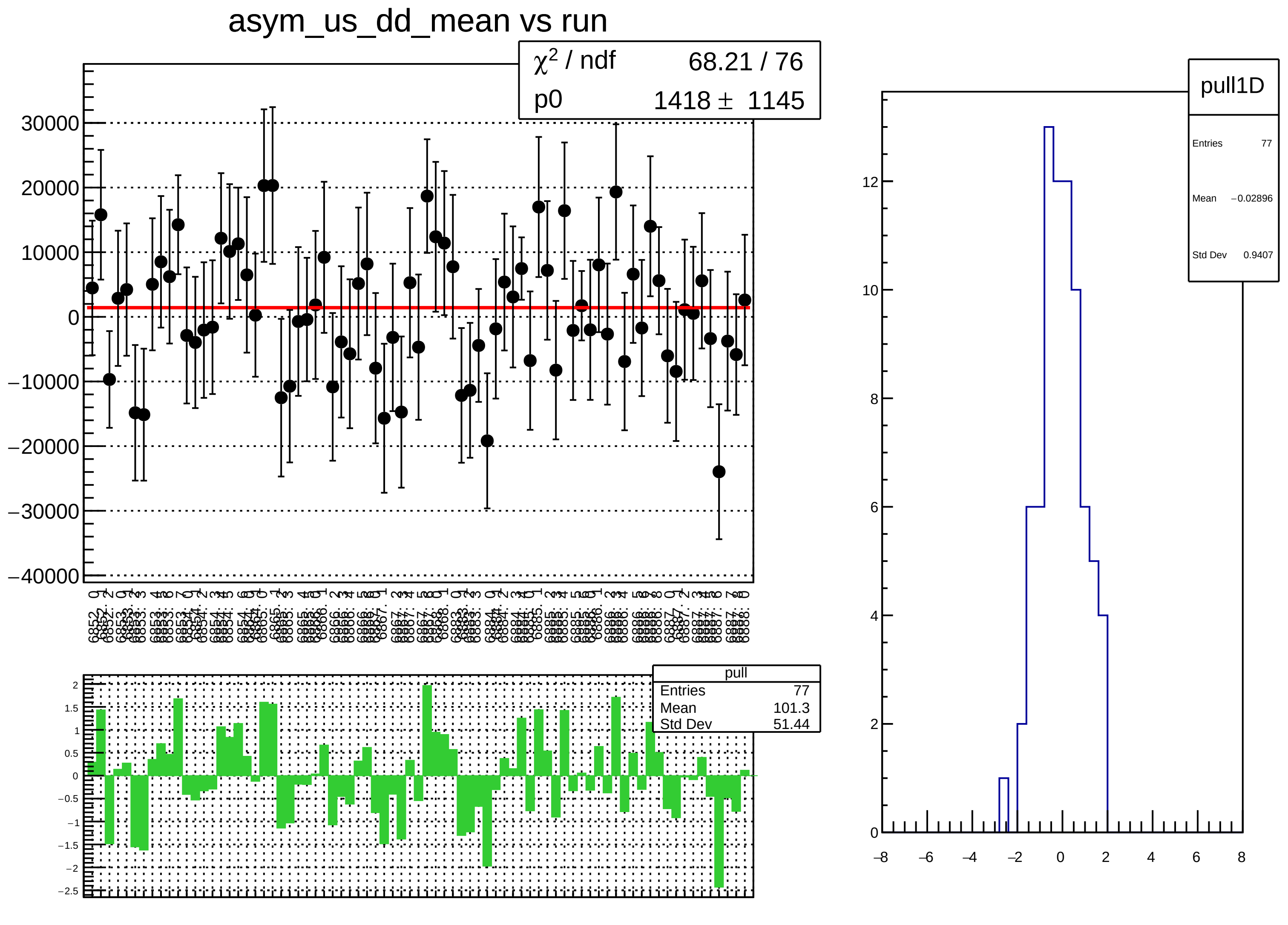
dit_asym_us_dd_mean vs run
$\chi^2$ / ndf 66.11 / 76
p0 −253.7 ± 872
pull
Entries 77
Mean 3.603
Std Dev 118.6
pull1D
Entries 77
Mean 0.0004317
Std Dev 0.9266

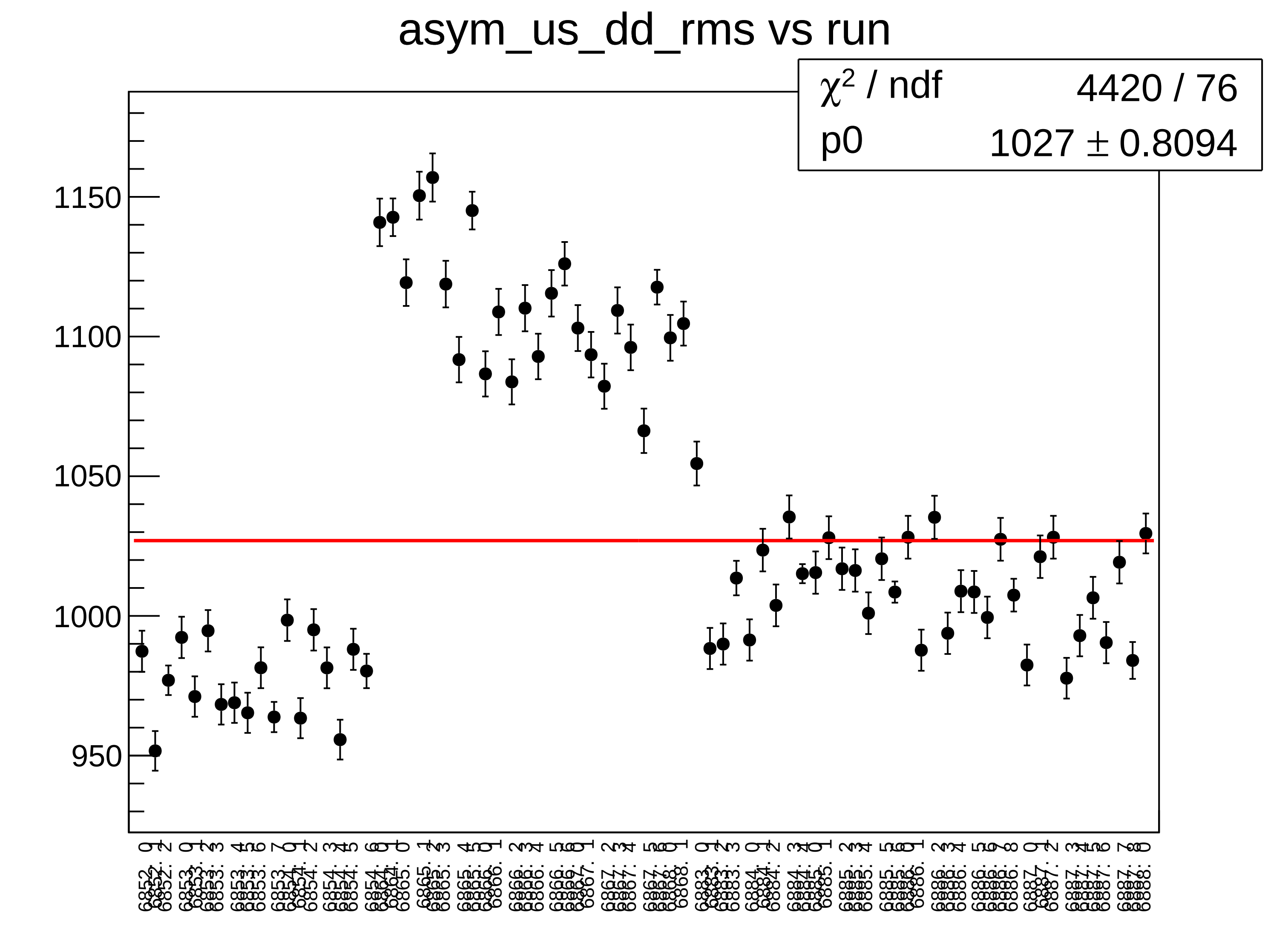

dit_asym_us_dd_rms vs run
χ2 / ndf 174.7 / 76
p0 783.4 ± 0.6166
860
840
820
800
780
760

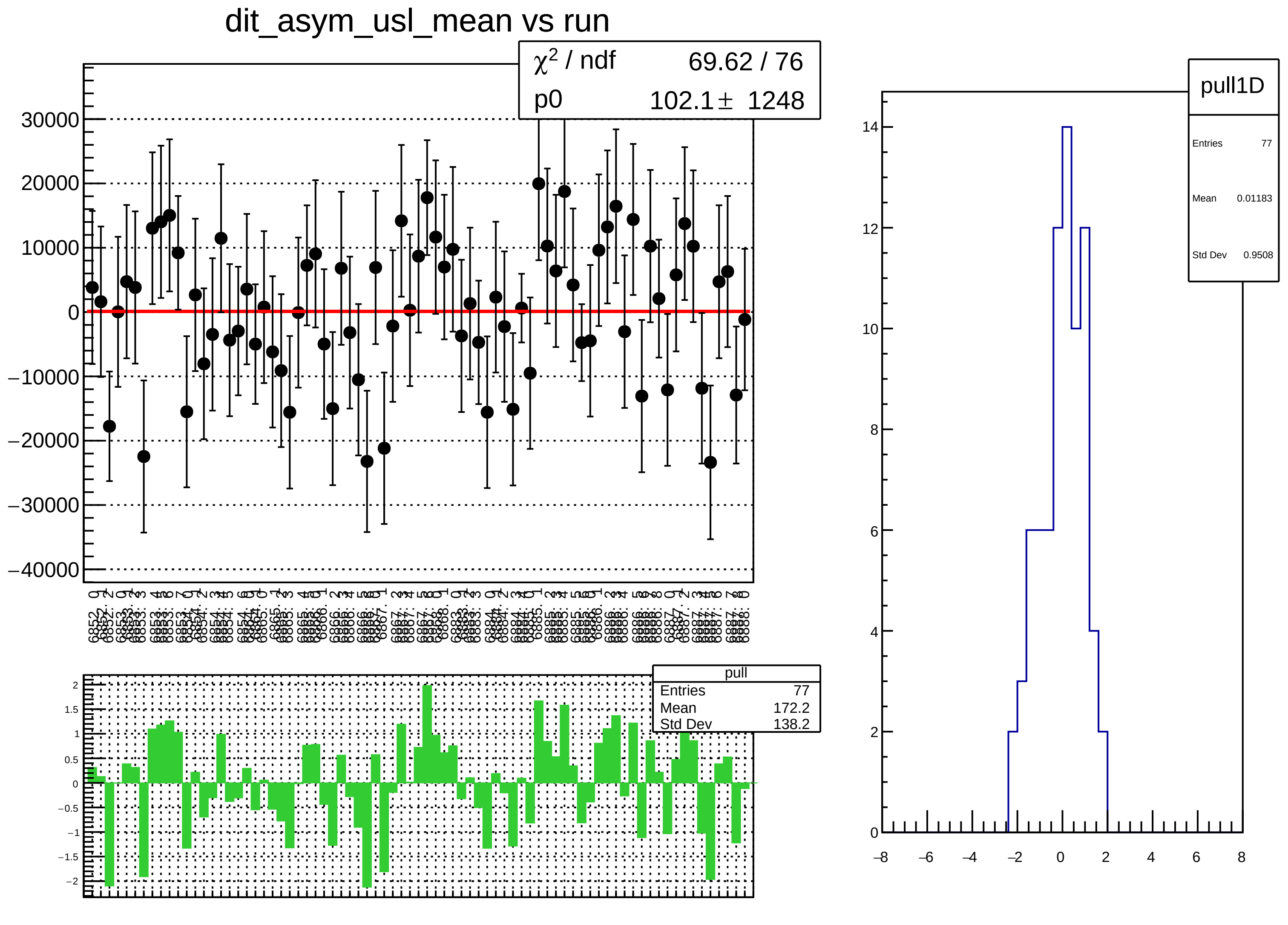


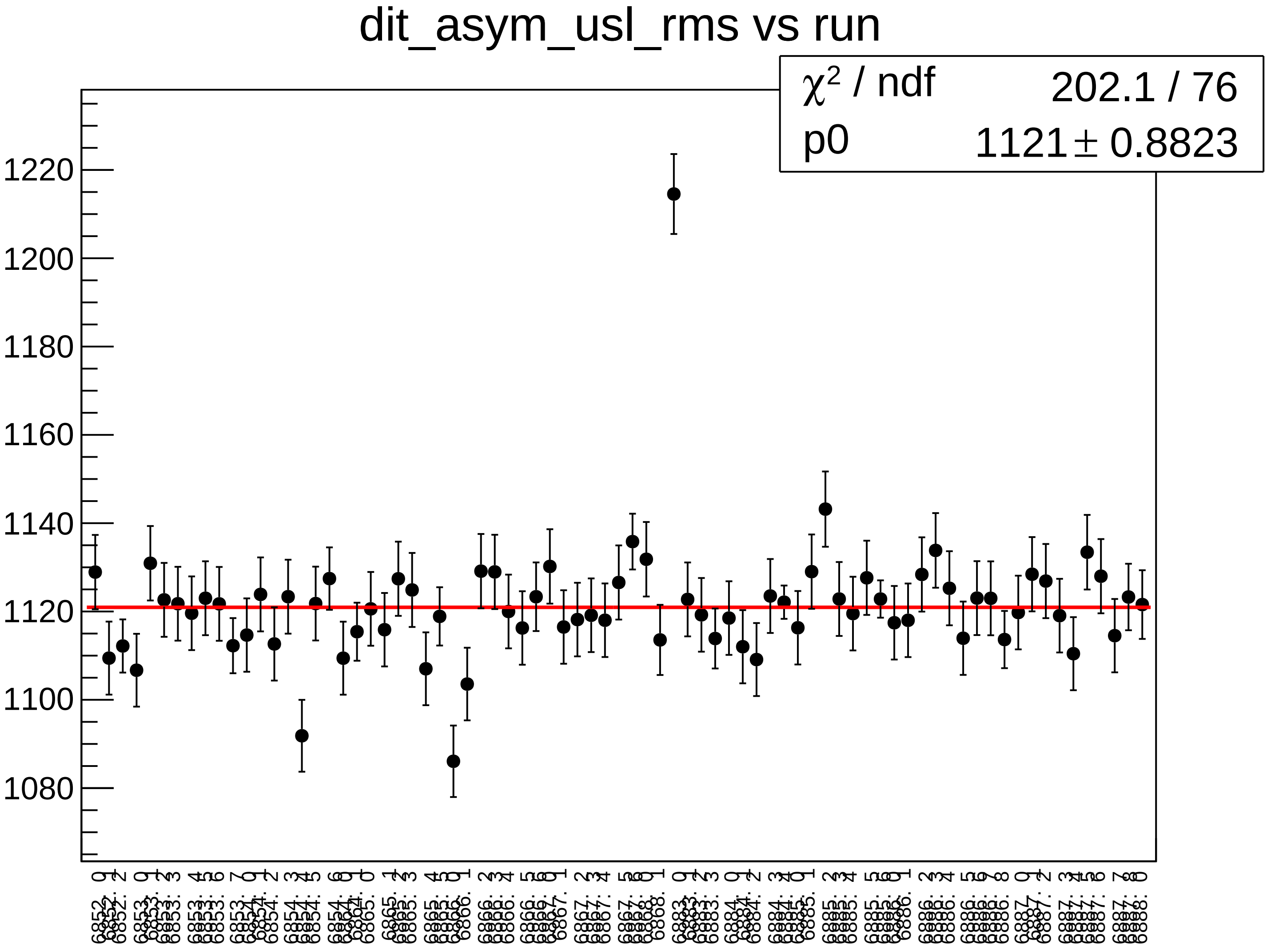
asym_us_dd_correction_mean vs run
$\chi^2$ / ndf 86 / 76
p0 −1775 ± 1845
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 77
Mean −229.3
Std Dev 276.3
pull1D
Entries 77
Mean 0.005875
Std Dev 1.057


asym_us_dd_correction_rms vs run
$\chi^2$ / ndf 1.543e+04 / 76
p0 1649 ± 1.304
2000
1900
1800
1700
1600
1500

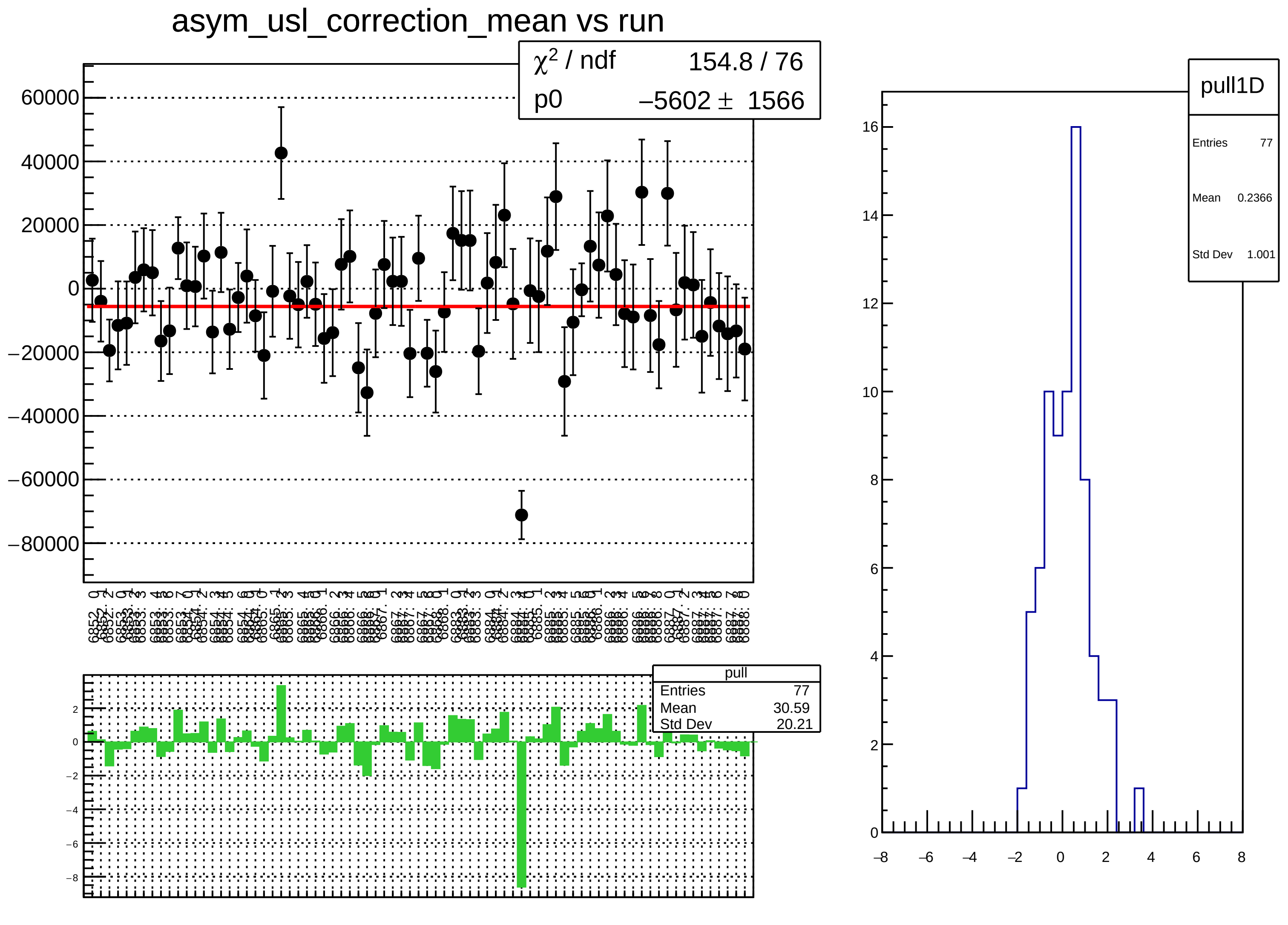

asym_us_dd_mean vs run
$\chi^2$ / ndf 68.21 / 76
p0 1418 ± 1145
pull
Entries 77
Mean 101.3
Std Dev 51.44
pull1D
Entries 77
Mean −0.02896
Std Dev 0.9407

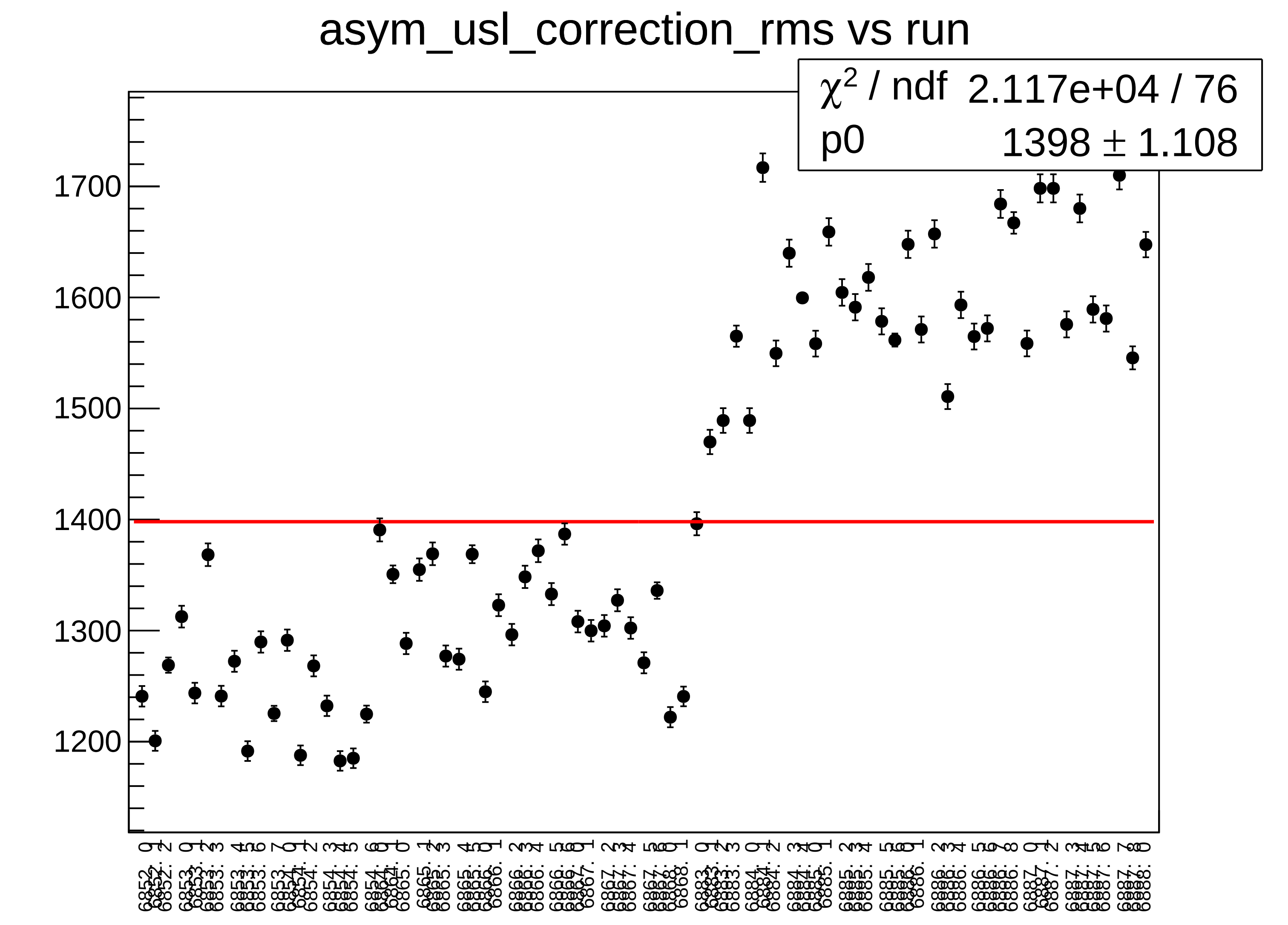

asym_us_dd_rms vs run
$\chi^2$ / ndf 4420 / 76
p0 1027 ± 0.8094
1150
1100
1050
1000
950


dit_asym_usl_mean vs run
χ2 / ndf 69.62 / 76
p0 102.1 ± 1248
pull
Entries 77
Mean 172.2
Std Dev 138.2
pull1D
Entries 77
Mean 0.01183
Std Dev 0.9508

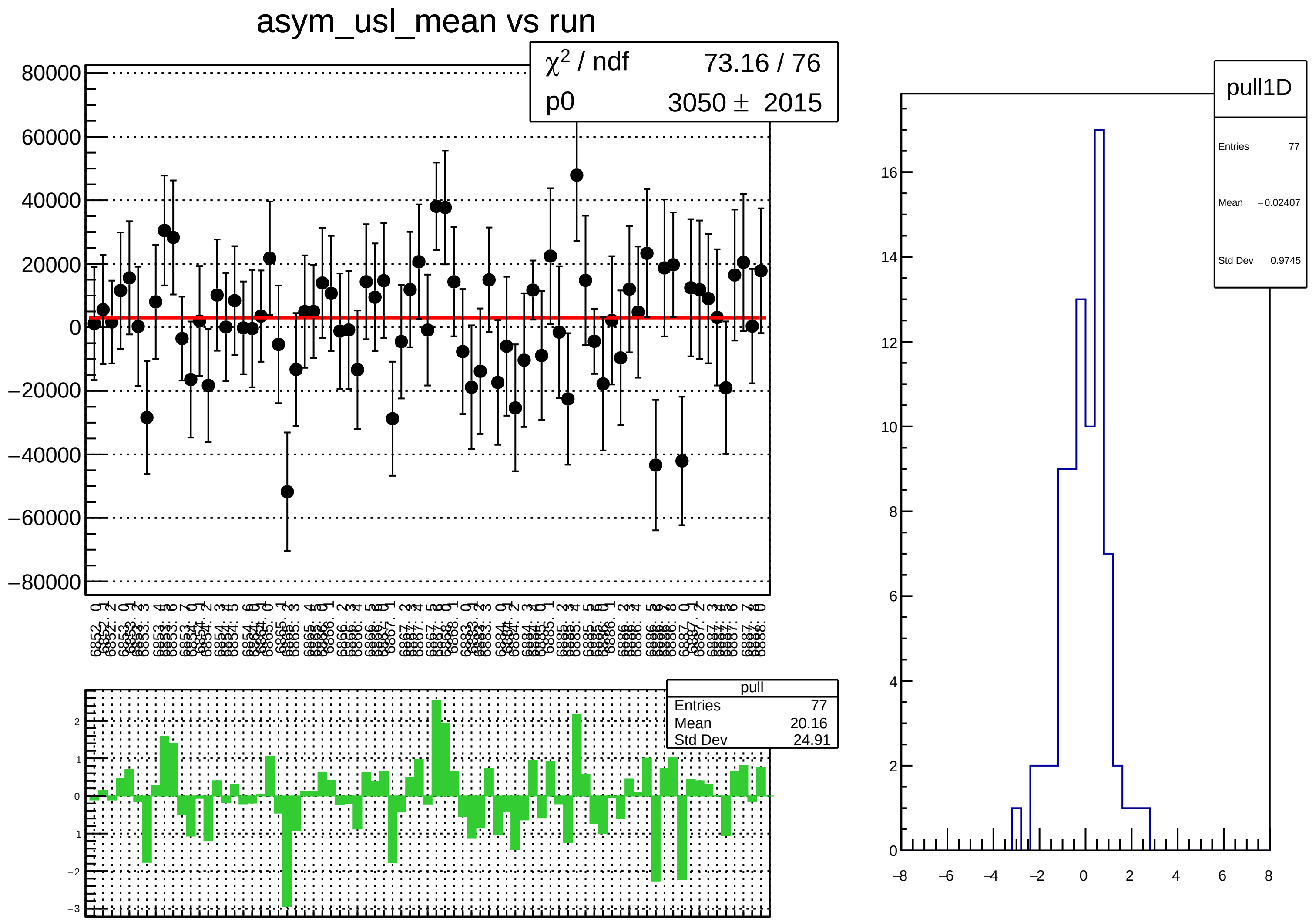


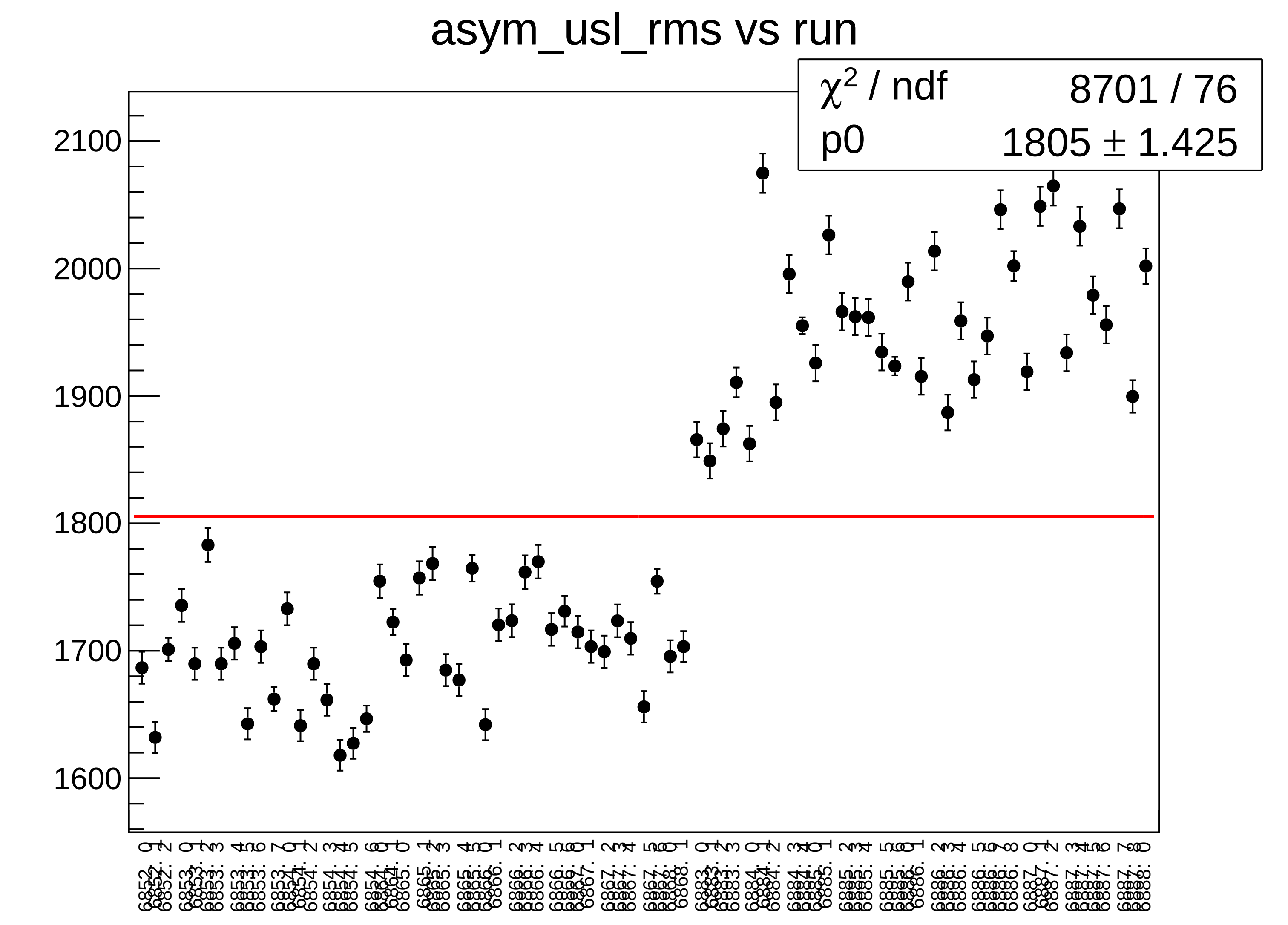
dit_asym_usl_rms vs run
$\chi^2$ / ndf 202.1 / 76
p0 1121 ± 0.8823
1220
1200
1180
1160
1140
1120
1100
1080


asym_usl_correction_mean vs run
$\chi^2$ / ndf 154.8 / 76
p0 −5602 ± 1566
pull
Entries 77
Mean 30.59
Std Dev 20.21
pull1D
Entries 77
Mean 0.2366
Std Dev 1.001

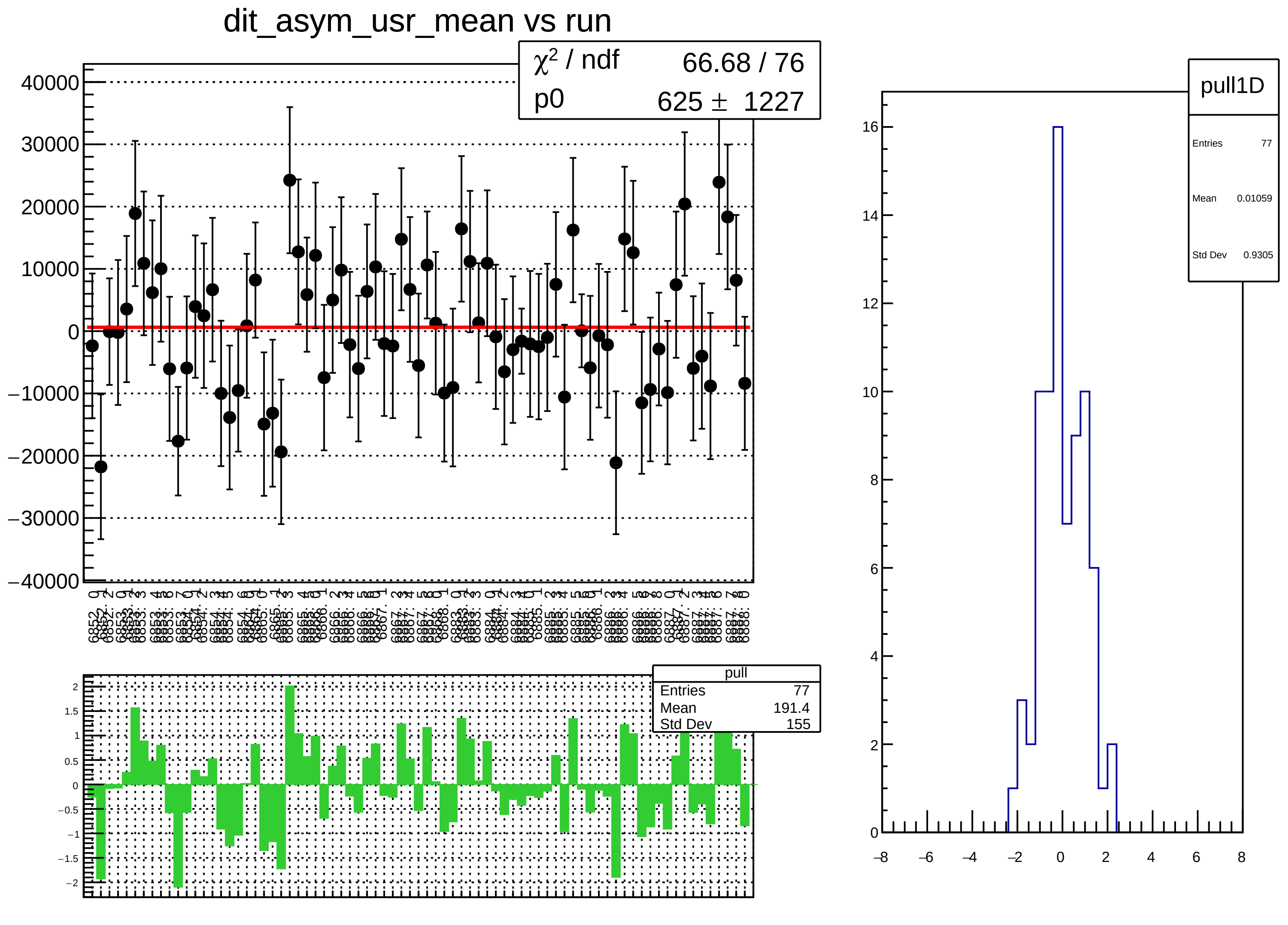


asym_usl_correction_rms vs run
$\chi^2$ / ndf 2.117e+04 / 76
p0 1398 ± 1.108
1700
1600
1500
1400
1300
1200

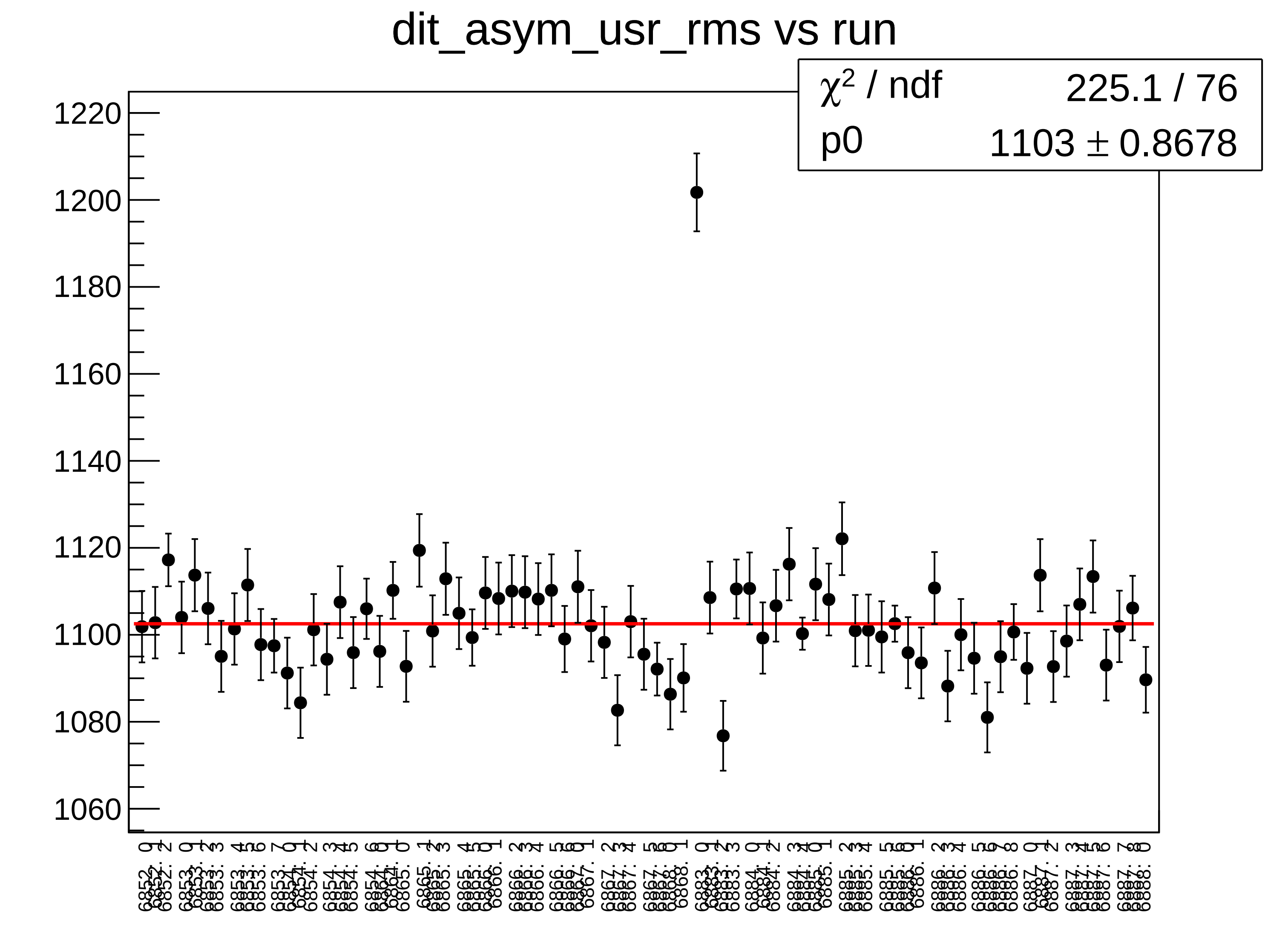

asym_usl_mean vs run
$\chi^2$ / ndf 73.16 / 76
p0 3050 ± 2015
pull
Entries 77
Mean 20.16
Std Dev 24.91
pull1D
Entries 77
Mean −0.02407
Std Dev 0.9745



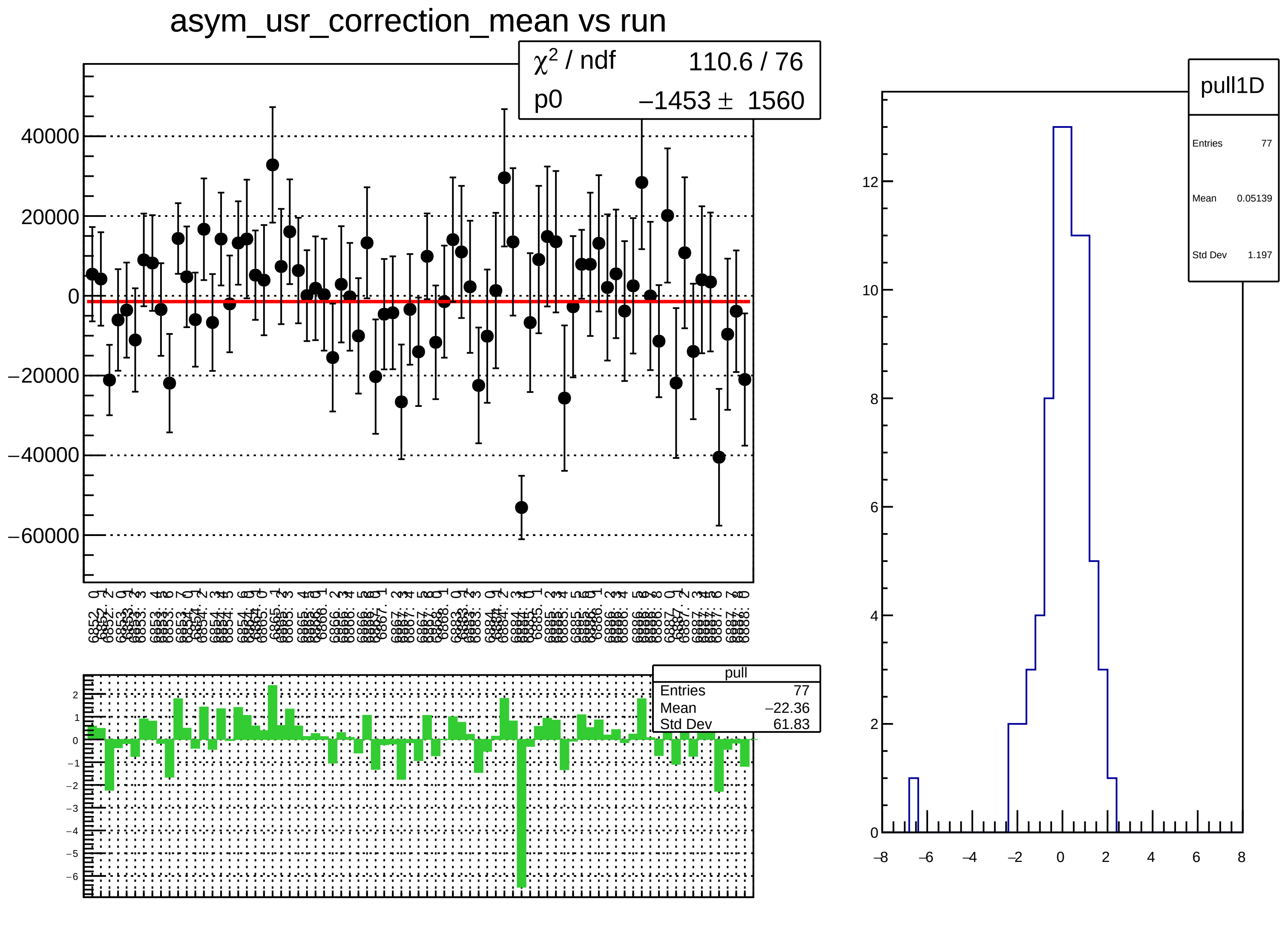
asym_usl_rms vs run
χ2 / ndf 8701 / 76
p0 1805 ± 1.425
2100
2000
1900
1800
1700
1600

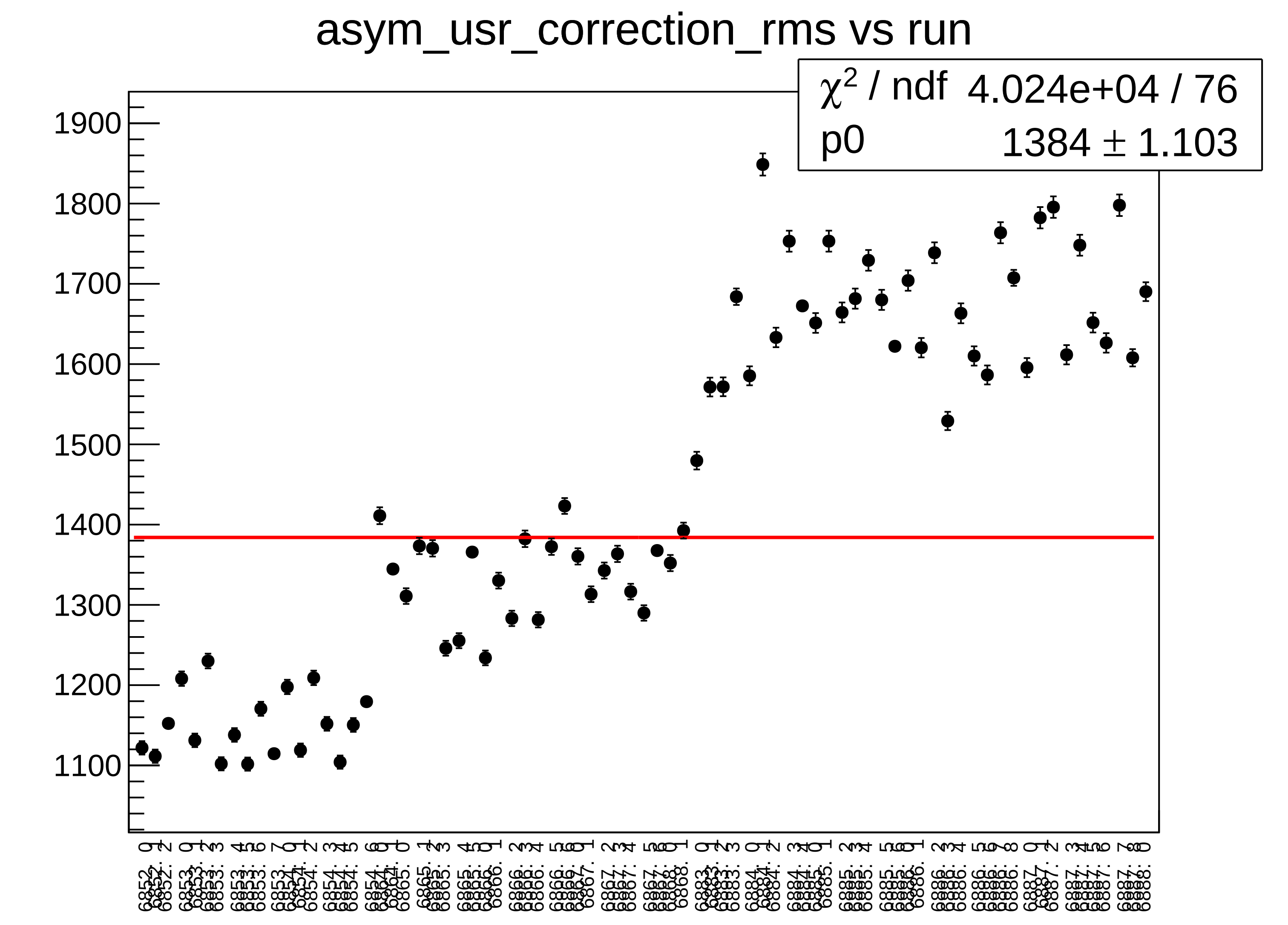


dit_asym_usr_mean vs run
$\chi^2$ / ndf 66.68 / 76
p0 625 ± 1227
pull
Entries 77
Mean 191.4
Std Dev 155
pull1D
Entries 77
Mean 0.01059
Std Dev 0.9305

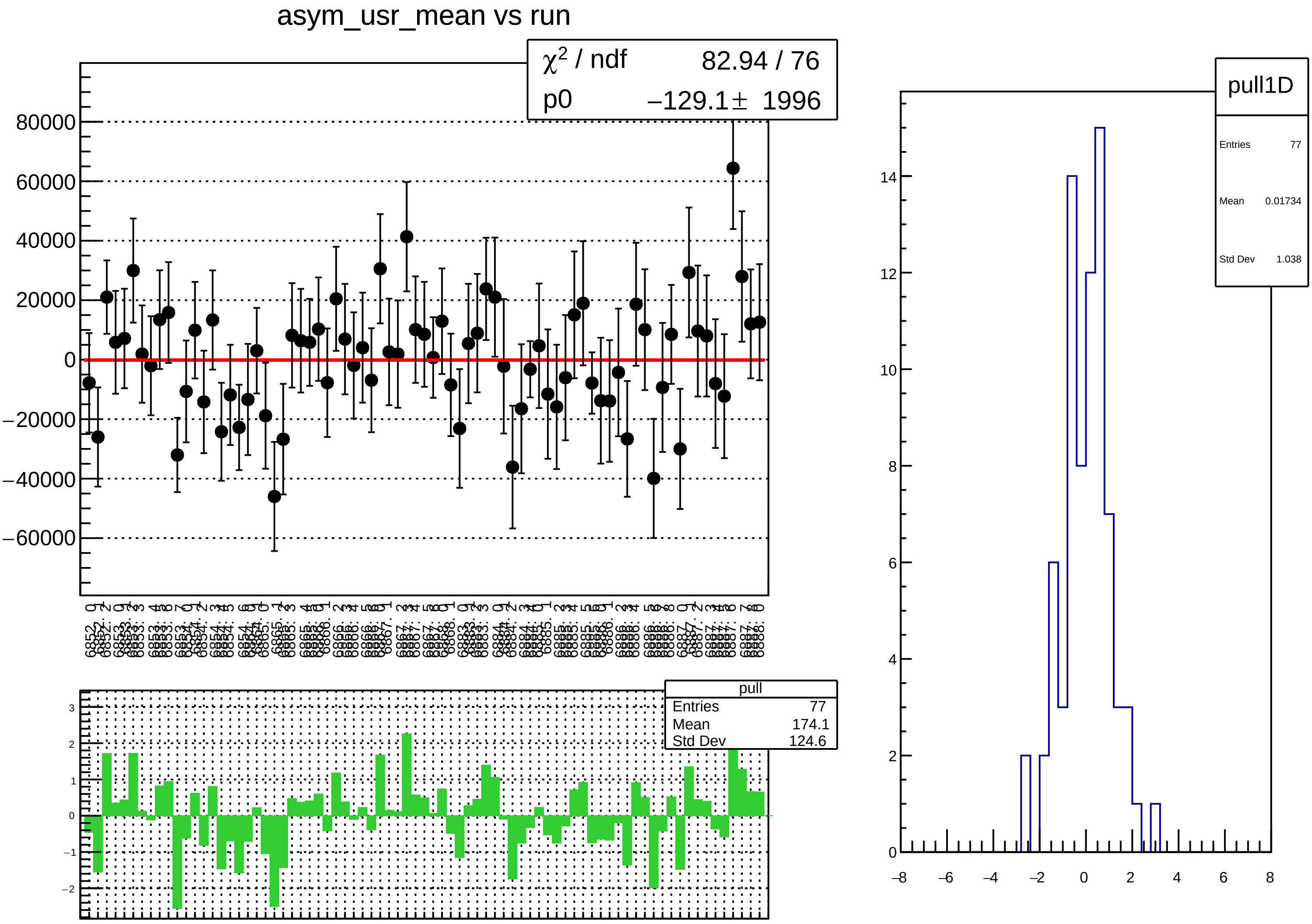


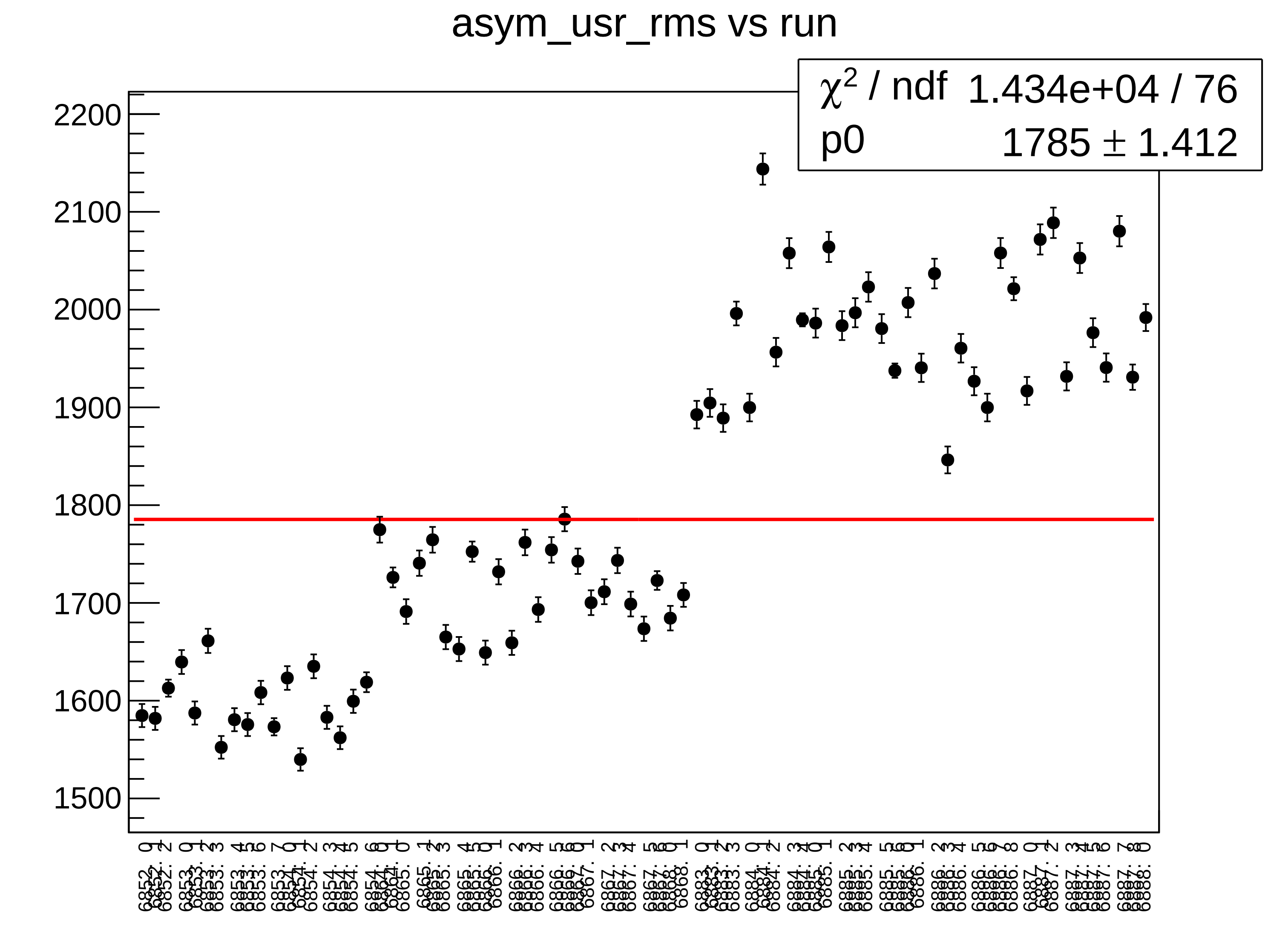
dit_asym_usr_rms vs run
χ2 / ndf 225.1 / 76
p0 1103 ± 0.8678
1220
1200
1180
1160
1140
1120
1100
1080
1060


asym_usr_correction_mean vs run
χ2 / ndf 110.6 / 76
p0 −1453 ± 1560
pull
Entries 77
Mean −22.36
Std Dev 61.83
pull1D
Entries 77
Mean 0.05139
Std Dev 1.197

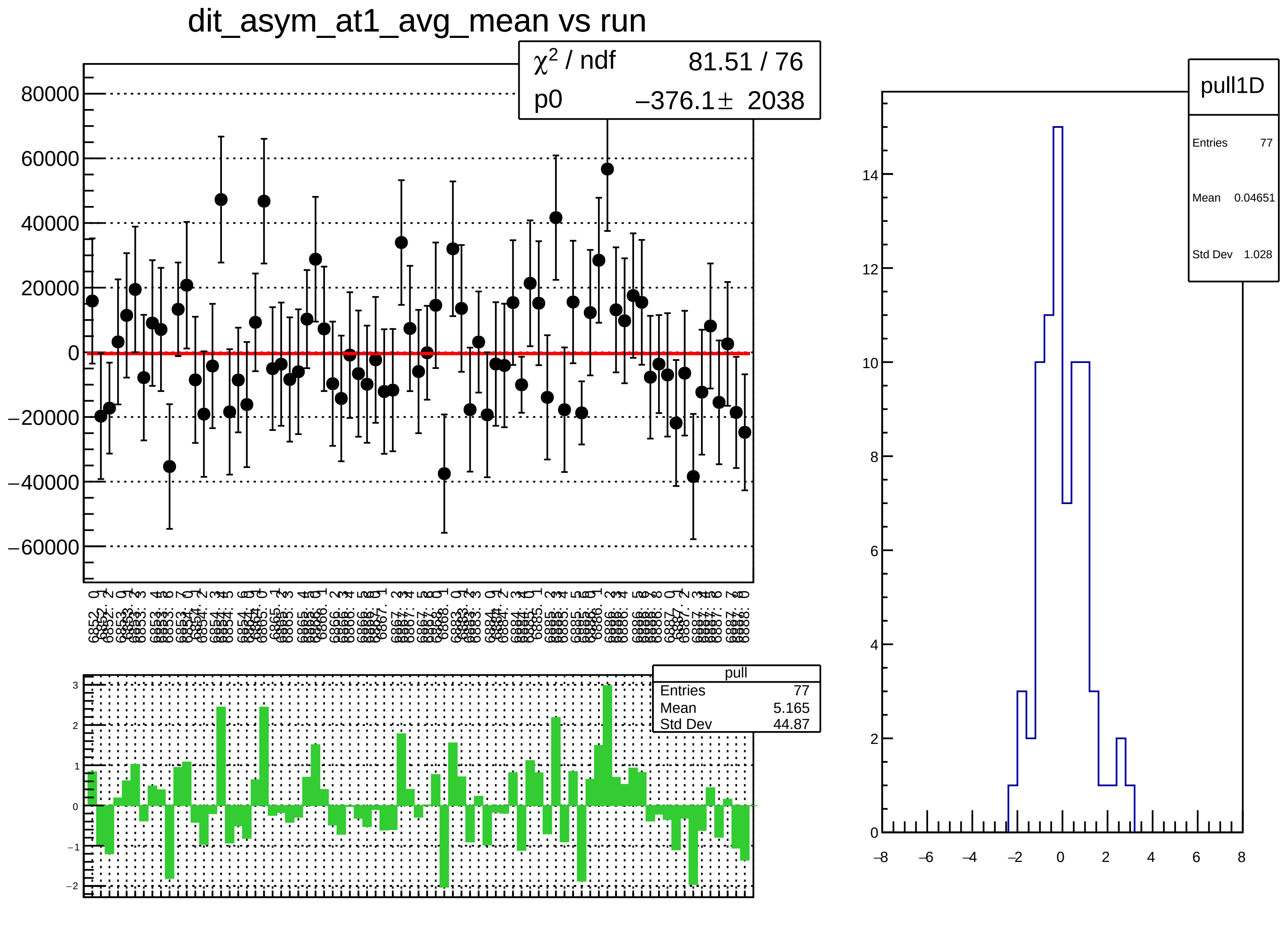


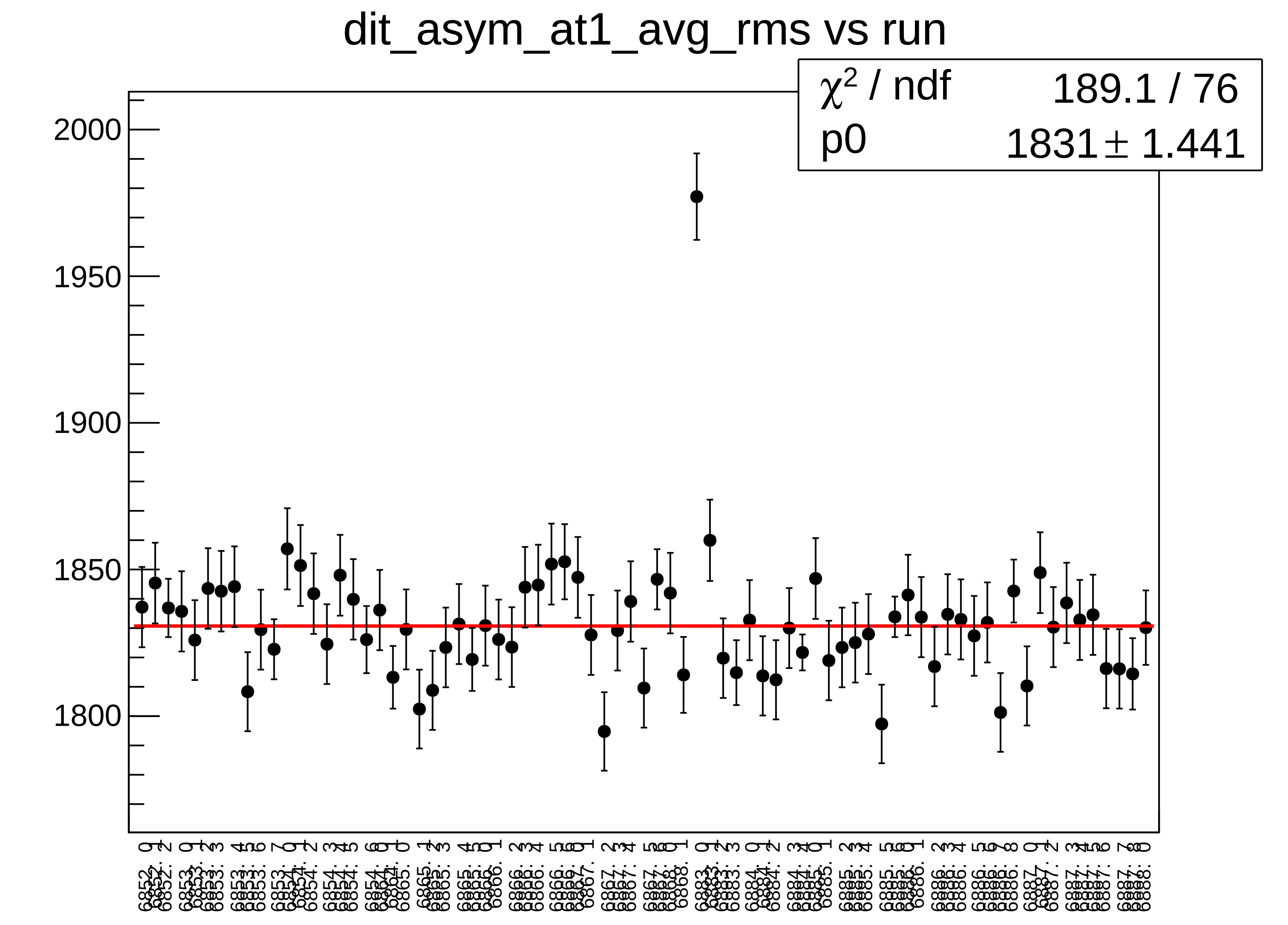
asym_usr_correction_rms vs run
$\chi^2$ / ndf 4.024e+04 / 76
p0 1384 ± 1.103
1900
1800
1700
1600
1500
1400
1300
1200
1100

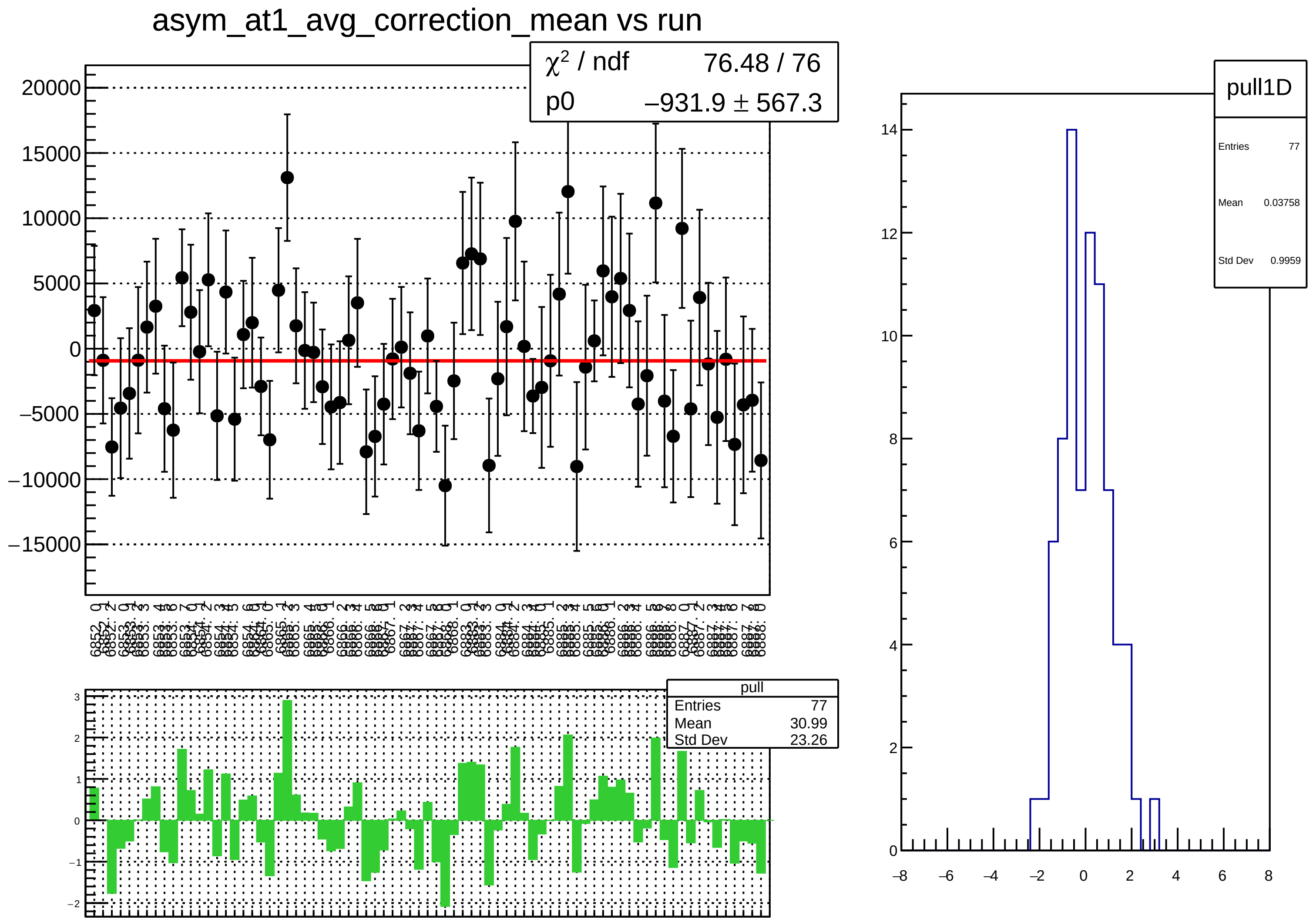

asym_usr_mean vs run
$\chi^2$ / ndf 82.94 / 76
p0 −129.1 ± 1996
pull
Entries 77
Mean 174.1
Std Dev 124.6
pull1D
Entries 77
Mean 0.01734
Std Dev 1.038



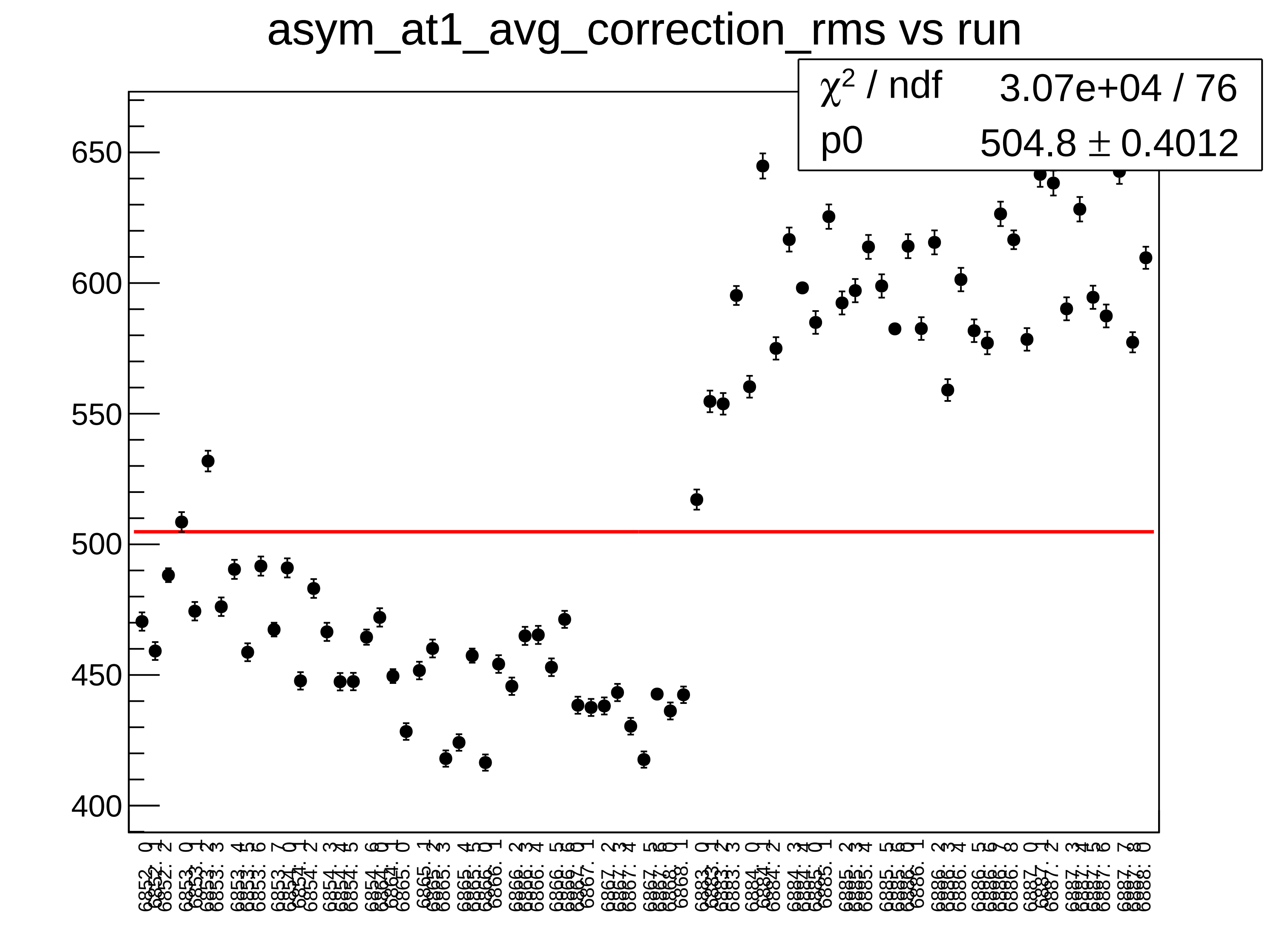
asym_usr_rms vs run
$\chi^2$ / ndf 1.434e+04 / 76
p0 1785 ± 1.412
2200
2100
2000
1900
1800
1700
1600
1500


dit_asym_at1_avg_mean vs run
$\chi^2$ / ndf 81.51 / 76
p0 −376.1 ± 2038
pull
Entries 77
Mean 5.165
Std Dev 44.87
pull1D
Entries 77
Mean 0.04651
Std Dev 1.028

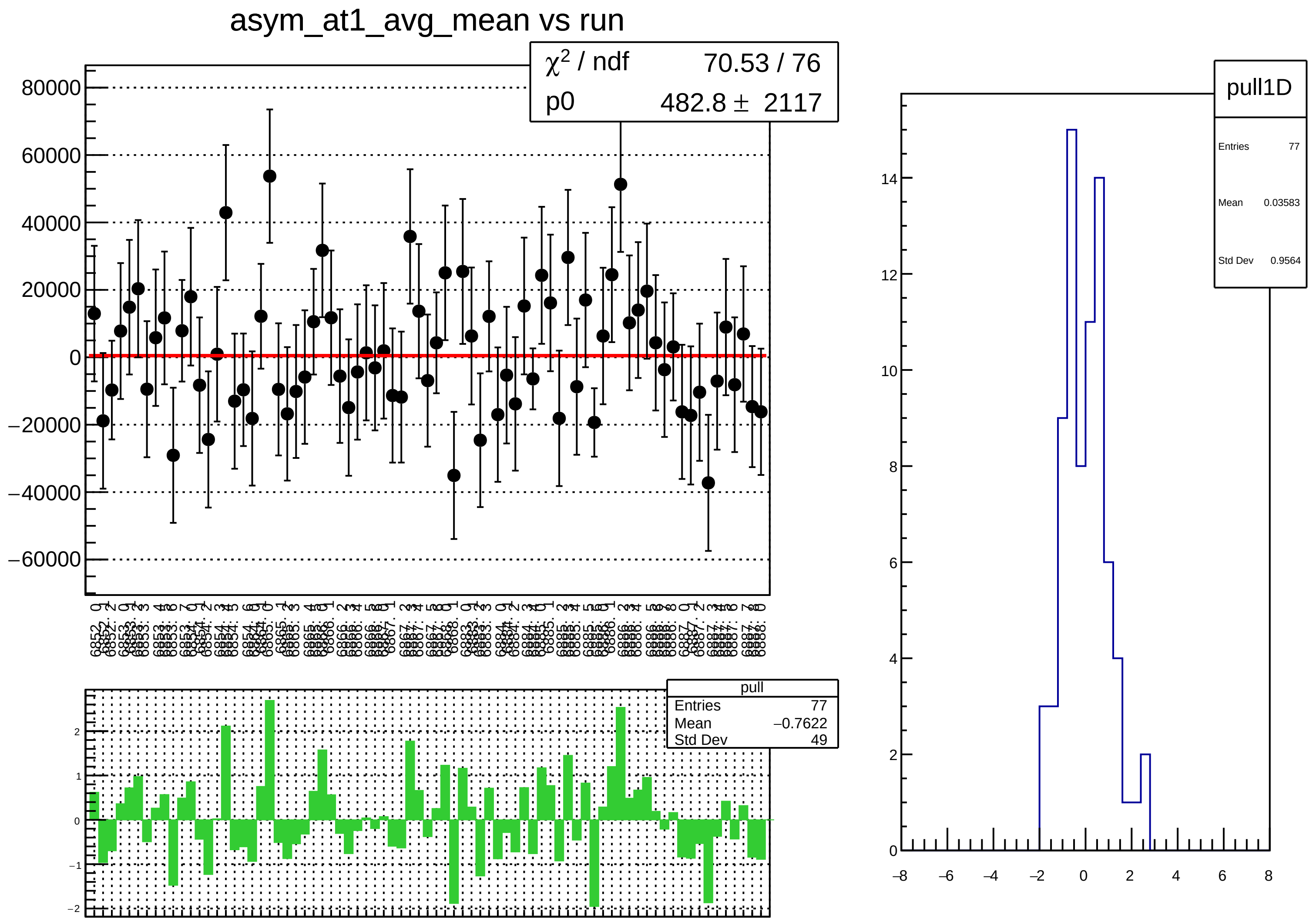

dit_asym_at1_avg_rms vs run
χ2 / ndf 189.1 / 76
p0 1831 ± 1.441
2000
1950
1900
1850
1800



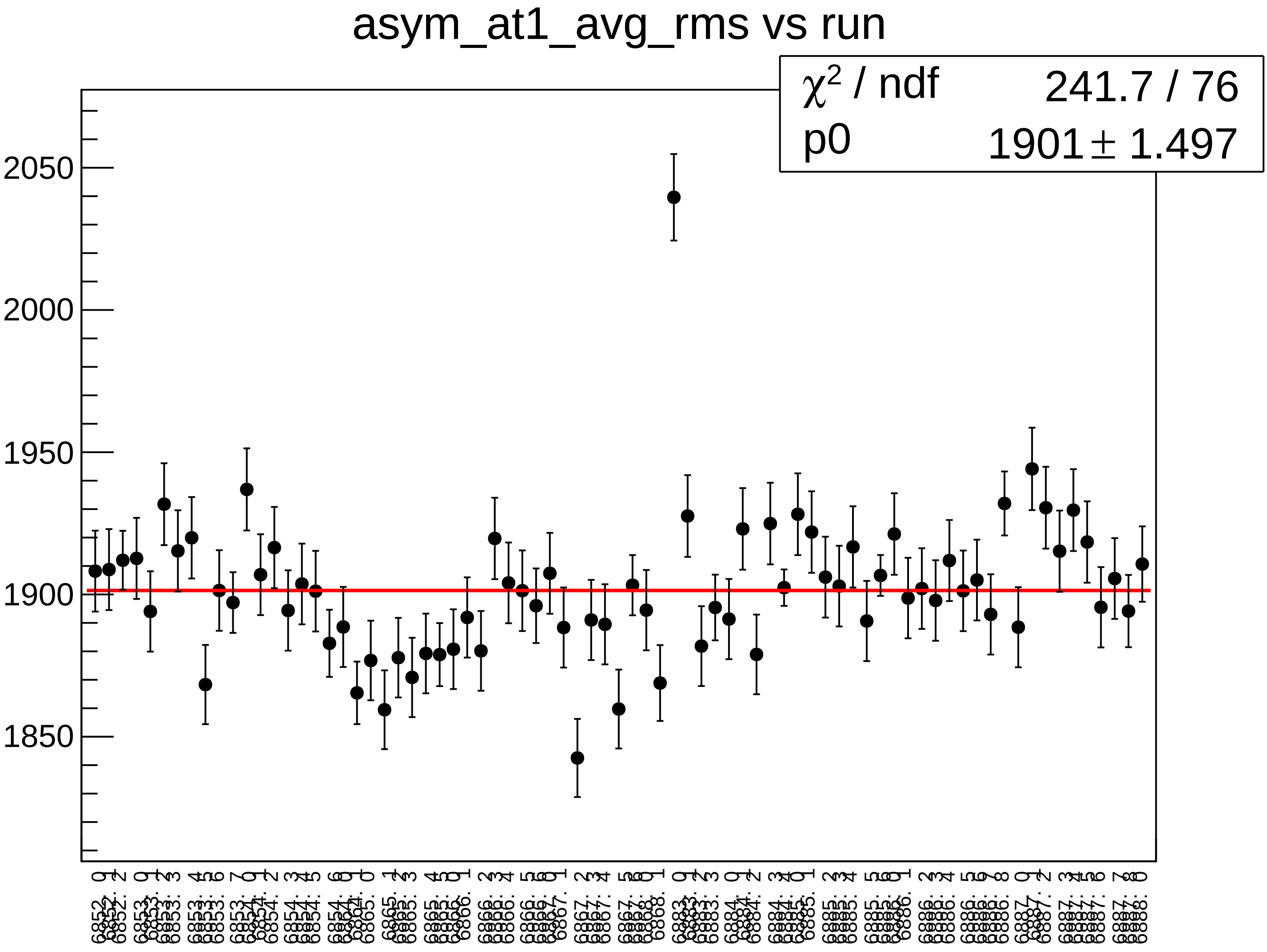
asym_at1_avg_correction_mean vs run
$\chi^2$ / ndf 76.48 / 76
p0 −931.9 ± 567.3
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean 30.99
Std Dev 23.26
pull1D
Entries 77
Mean 0.03758
Std Dev 0.9959



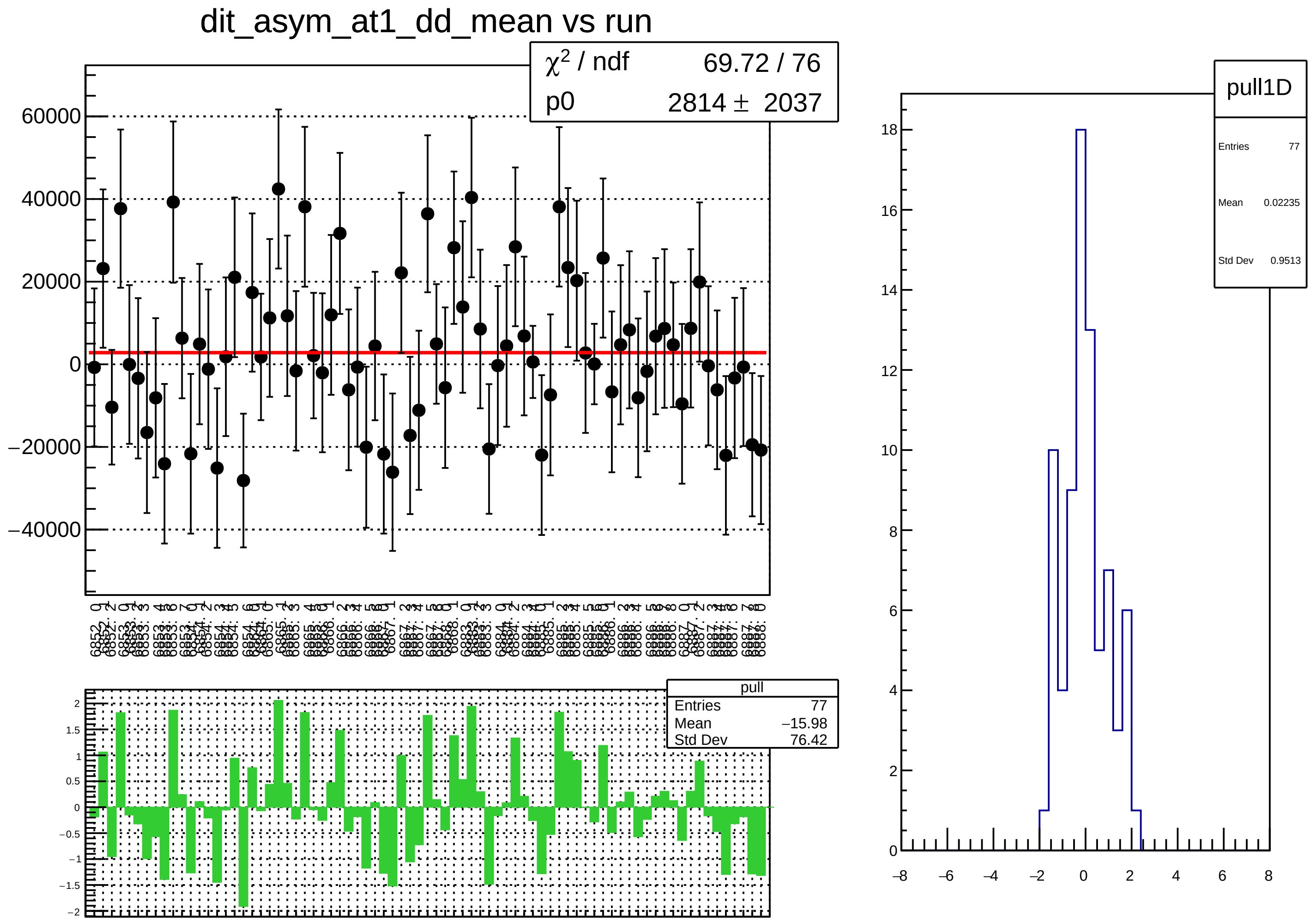
asym_at1_avg_correction_rms vs run
$\chi^2$ / ndf 3.07e+04 / 76
p0 504.8 ± 0.4012
650
600
550
500
450
400



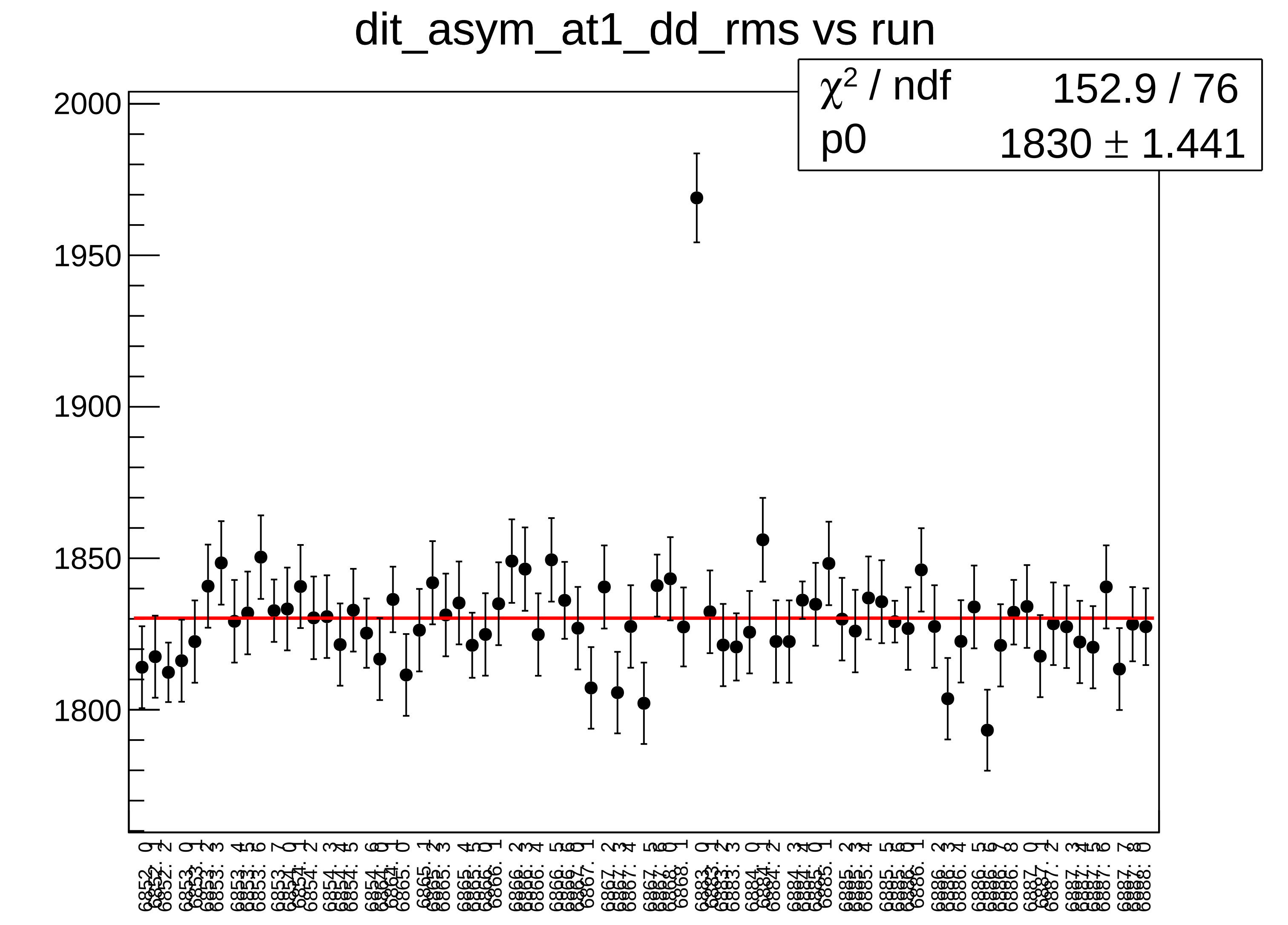
asym_at1_avg_mean vs run
χ2 / ndf 70.53 / 76
p0 482.8 ± 2117
pull
Entries 77
Mean −0.7622
Std Dev 49
pull1D
Entries 77
Mean 0.03583
Std Dev 0.9564



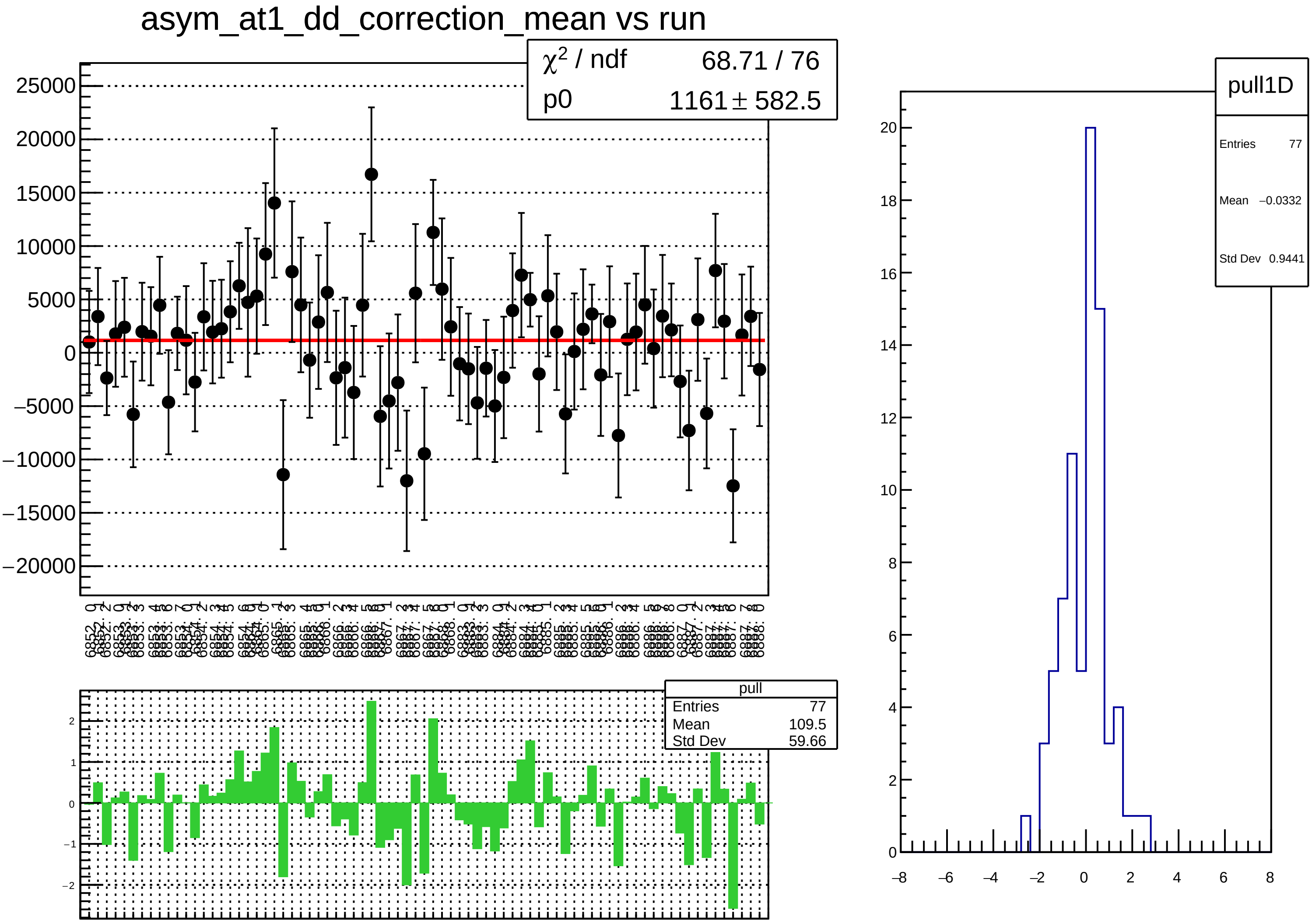
asym_at1_avg_rms vs run
χ2 / ndf 241.7 / 76
p0 1901 ± 1.497
2050
2000
1950
1900
1850



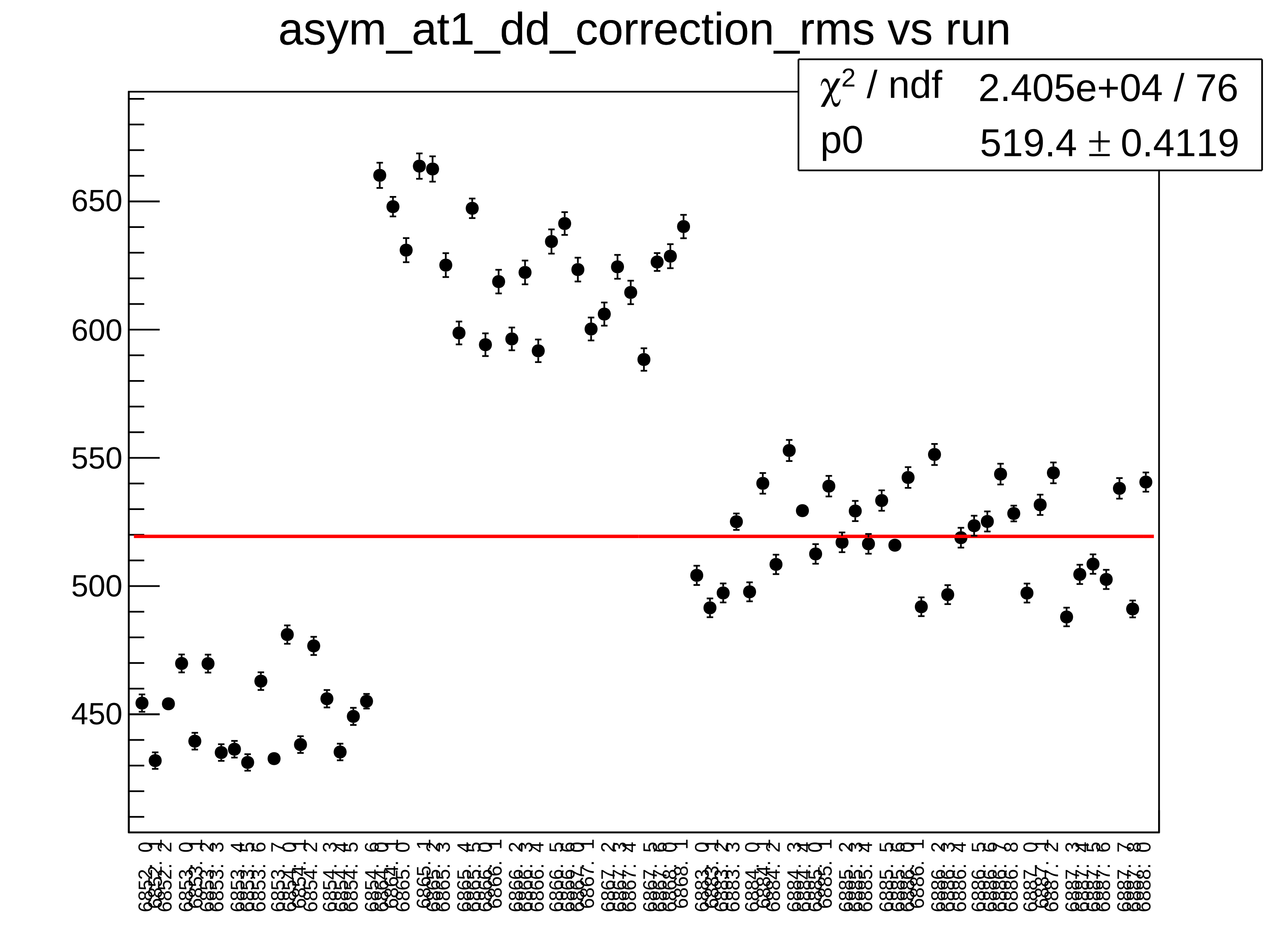
dit_asym_at1_dd_mean vs run
$\chi^2$ / ndf 69.72 / 76
p0 2814 ± 2037
pull
Entries 77
Mean −15.98
Std Dev 76.42
pull1D
Entries 77
Mean 0.02235
Std Dev 0.9513

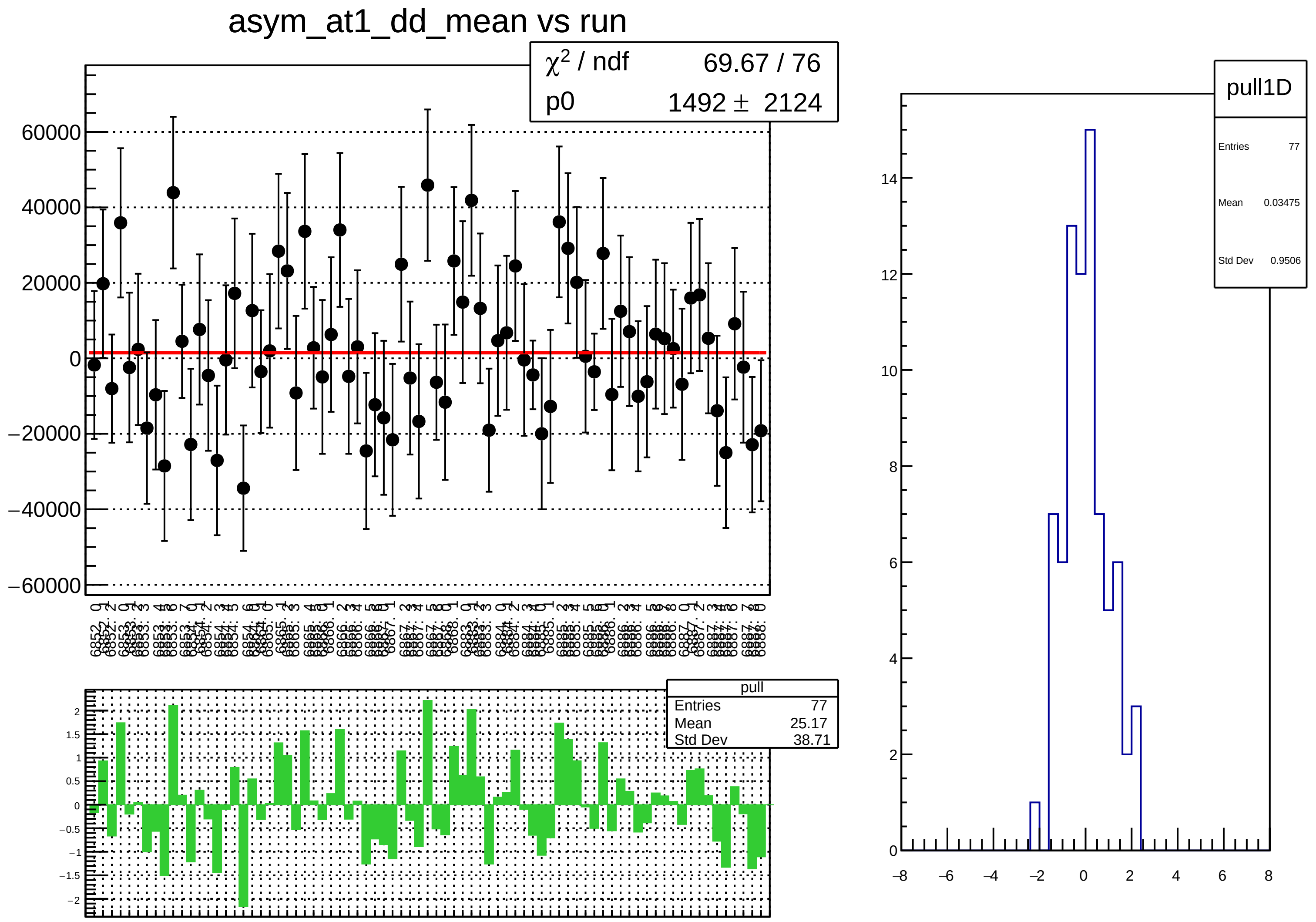


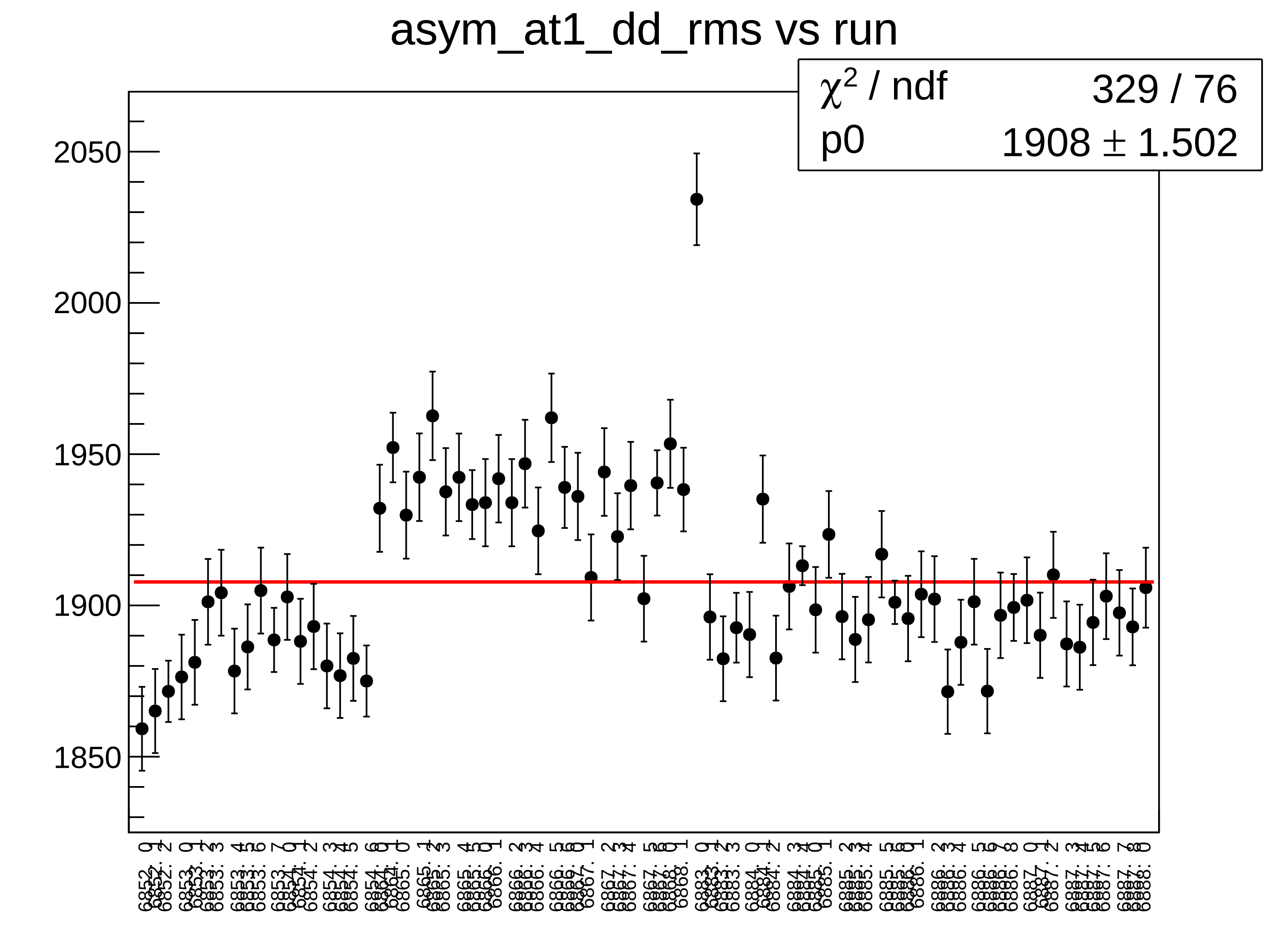
dit_asym_at1_dd_rms vs run
χ2 / ndf 152.9 / 76
p0 1830 ± 1.441
2000
1950
1900
1850
1800



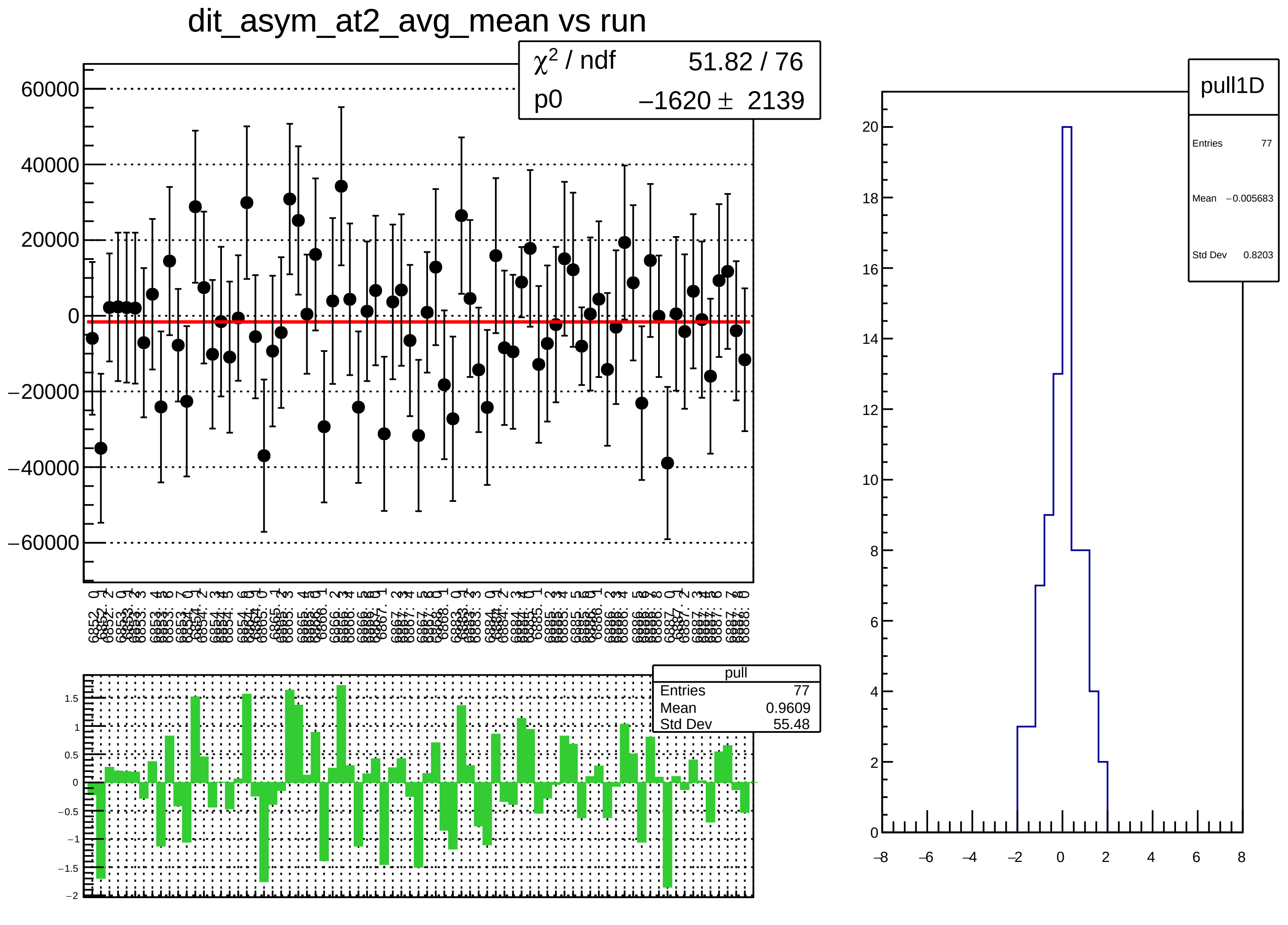
asym_at1_dd_correction_mean vs run
$\chi^2$ / ndf 68.71 / 76
p0 1161 ± 582.5
pull
Entries 77
Mean 109.5
Std Dev 59.66
pull1D
Entries 77
Mean −0.0332
Std Dev 0.9441

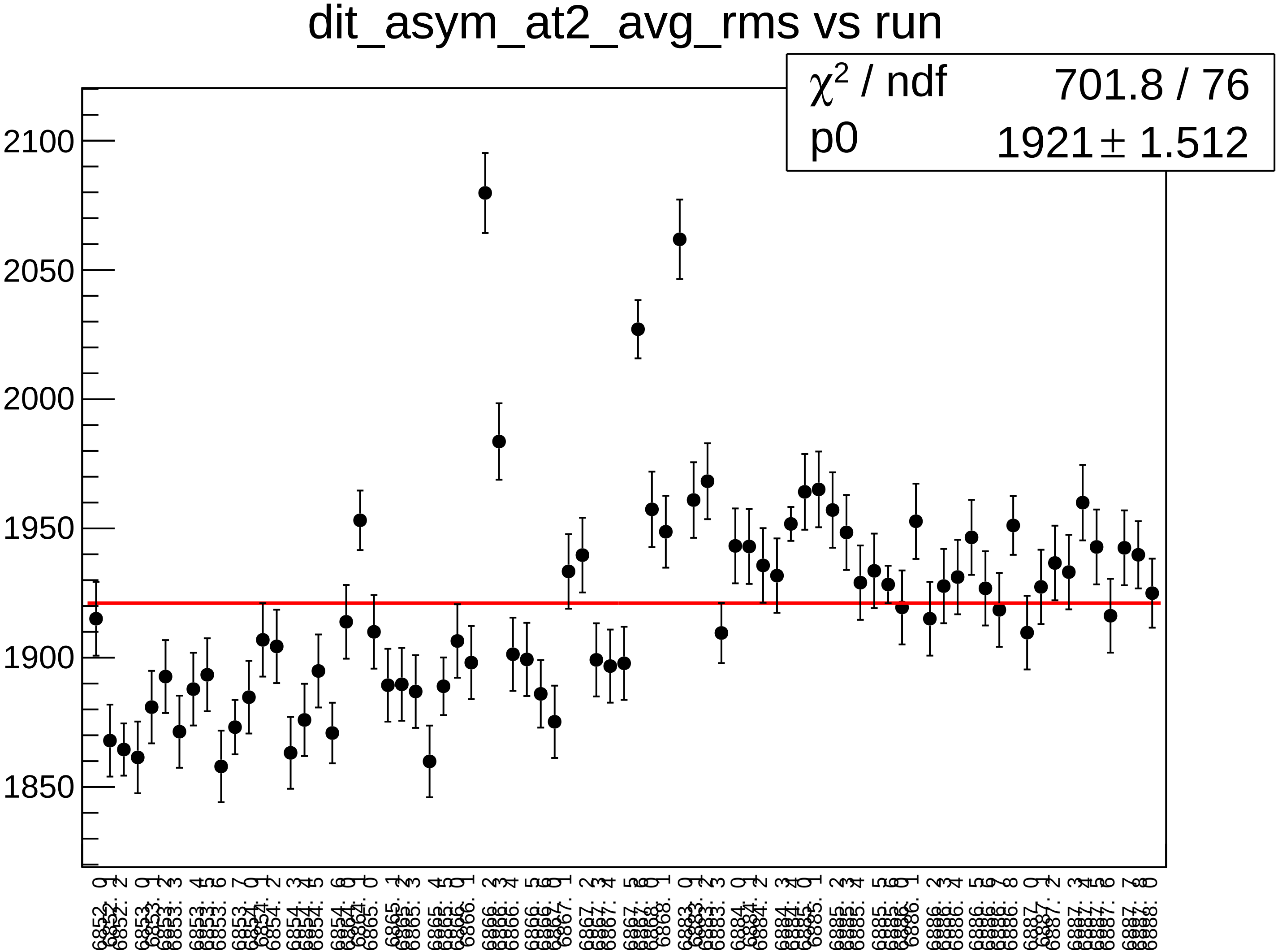

asym_at1_dd_correction_rms vs run
$\chi^2$ / ndf 2.405e+04 / 76
p0 519.4 ± 0.4119
650
600
550
500
450

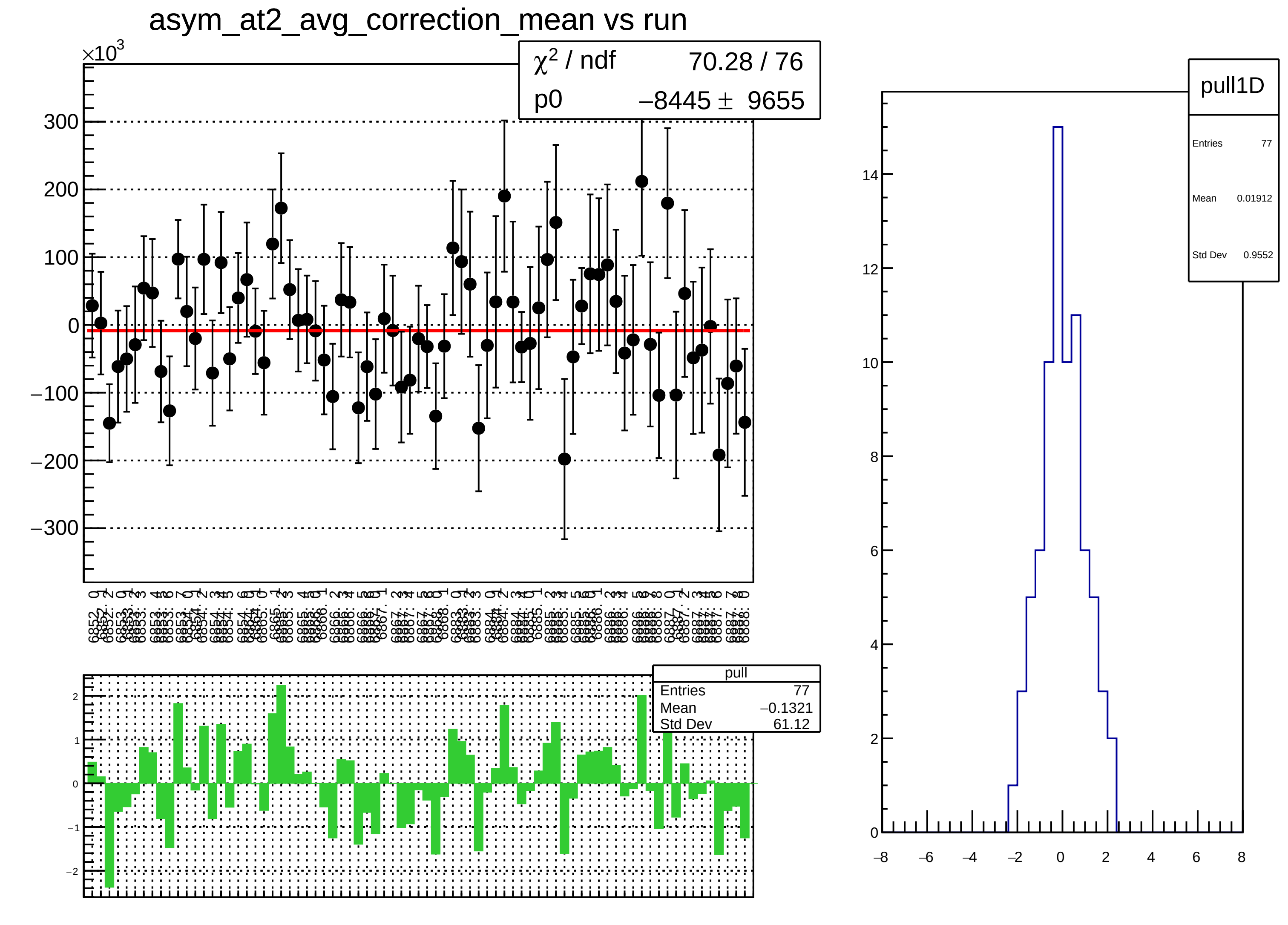

asym_at1_dd_mean vs run
$\chi^2$ / ndf 69.67 / 76
p0 1492 ± 2124
pull
Entries 77
Mean 25.17
Std Dev 38.71
pull1D
Entries 77
Mean 0.03475
Std Dev 0.9506



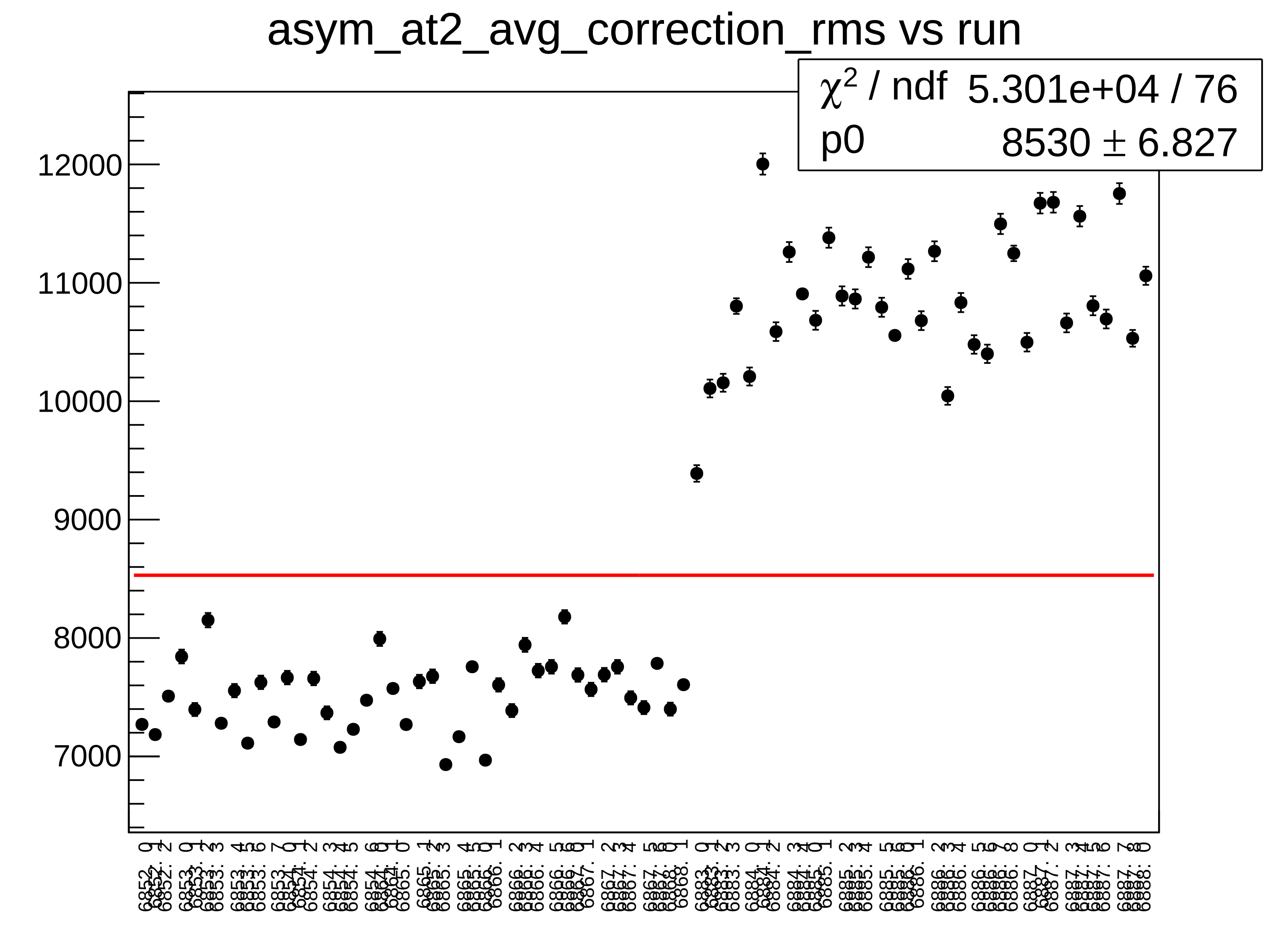
asym_at1_dd_rms vs run
χ² / ndf 329 / 76
p0 1908 ± 1.502
2050
2000
1950
1900
1850

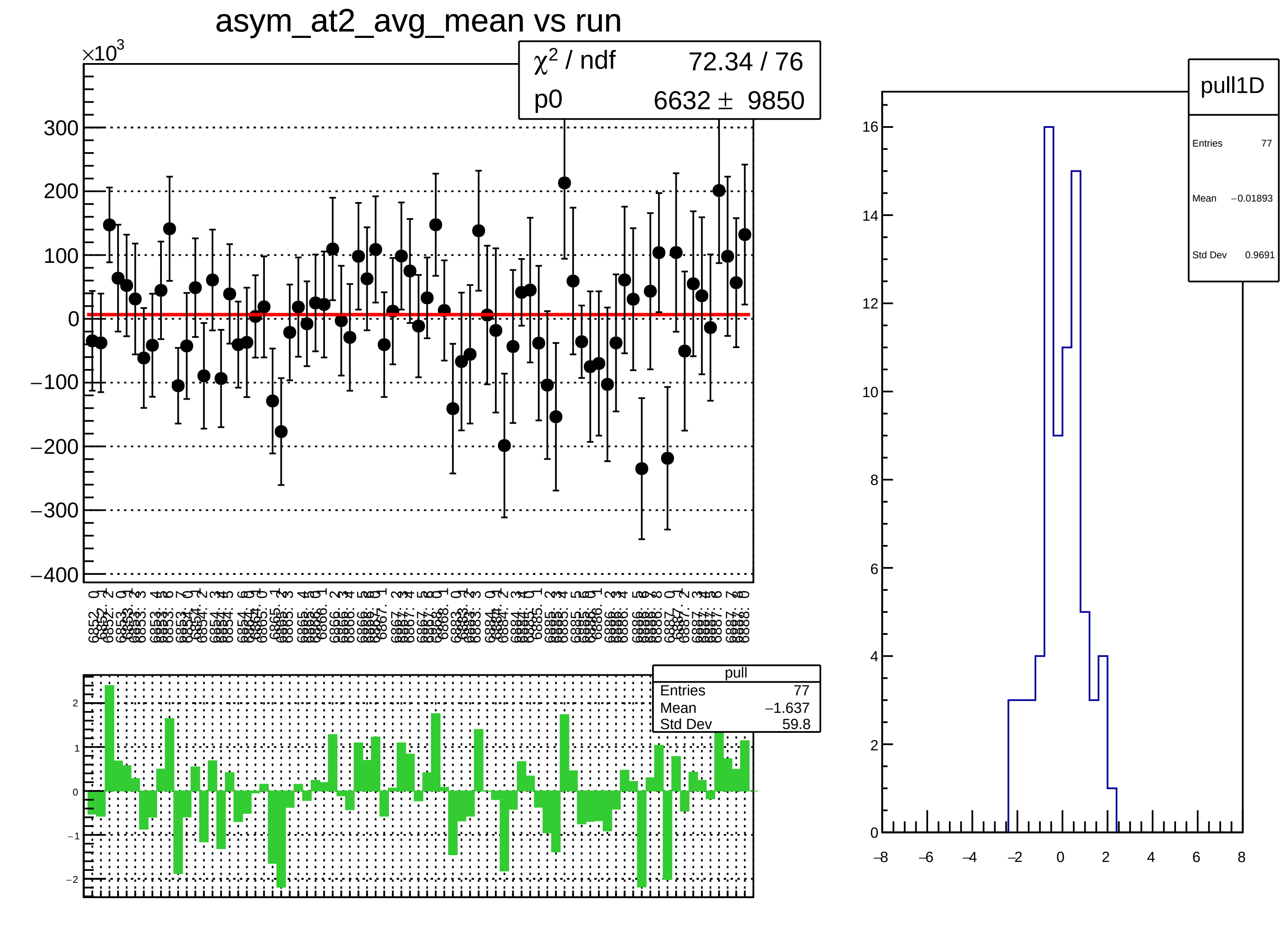

dit_asym_at2_avg_mean vs run
χ2 / ndf 51.82 / 76
p0 −1620 ± 2139
pull
Entries 77
Mean 0.9609
Std Dev 55.48
pull1D
Entries 77
Mean −0.005683
Std Dev 0.8203


dit_asym_at2_avg_rms vs run
$\chi^2$ / ndf 701.8 / 76
p0 1921 ± 1.512
2100
2050
2000
1950
1900
1850

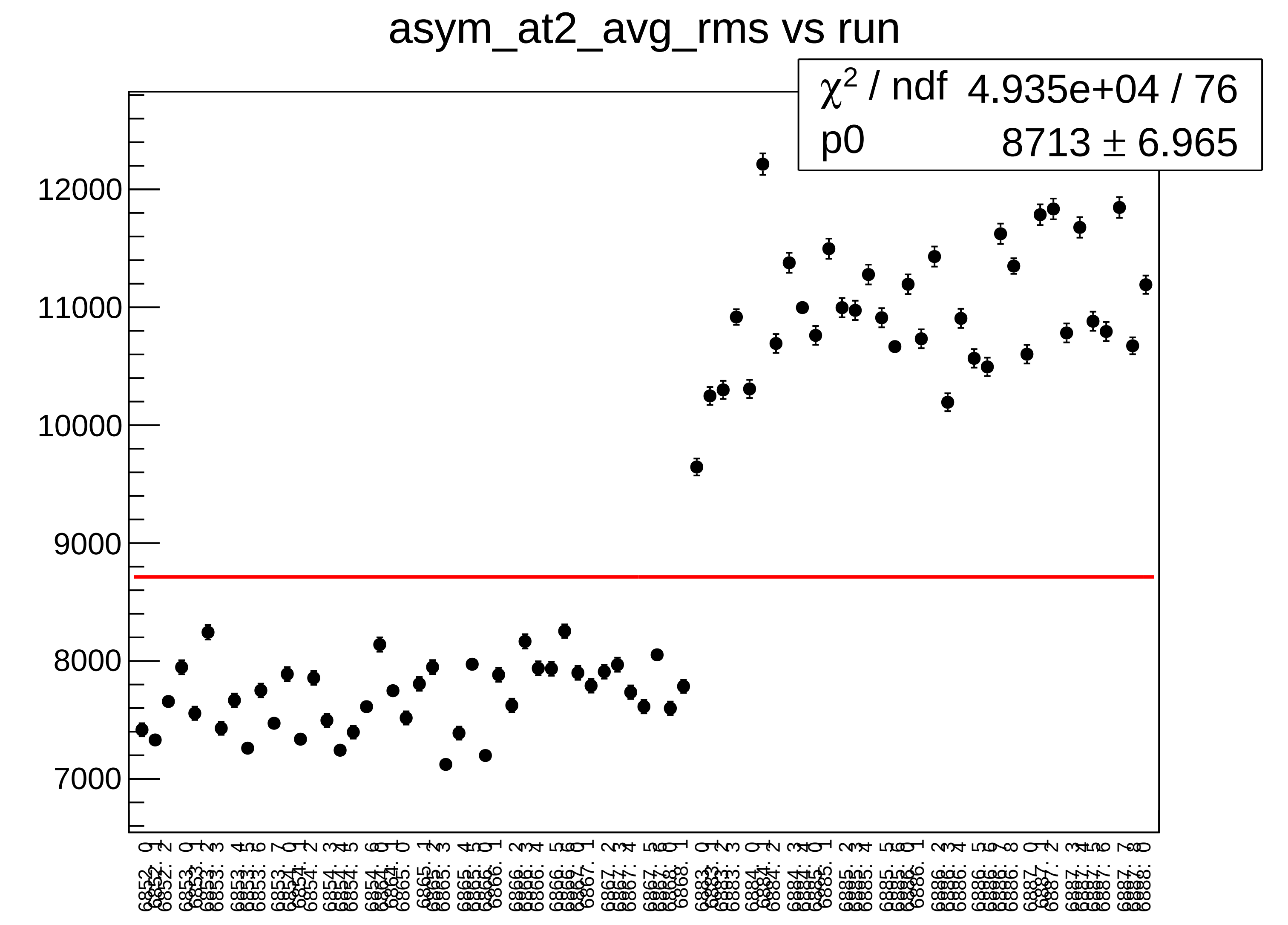


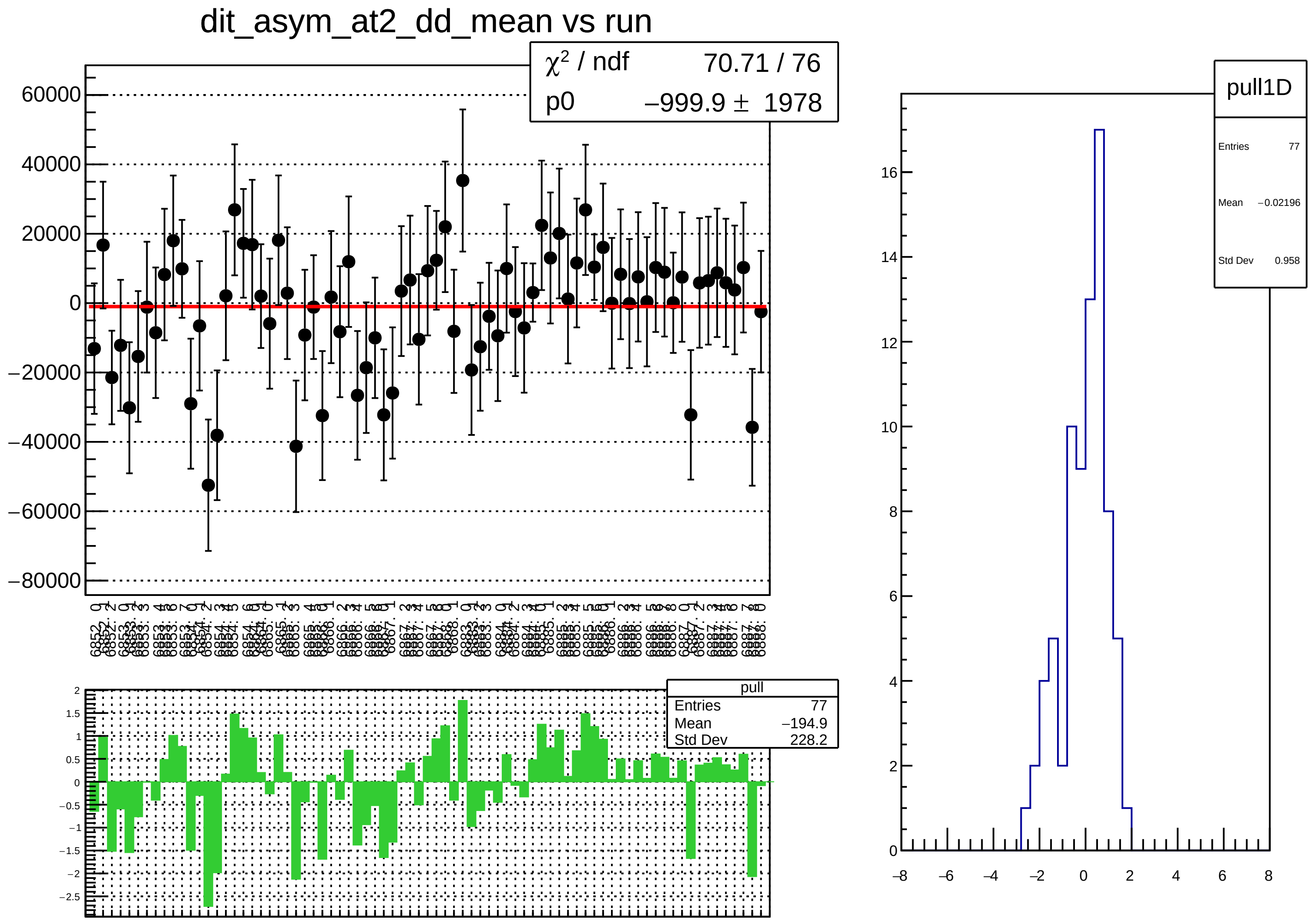
asym_at2_avg_correction_mean vs run
×10^3
χ^2 / ndf 70.28 / 76
p0 −8445 ± 9655
pull
Entries 77
Mean −0.1321
Std Dev 61.12
pull1D
Entries 77
Mean 0.01912
Std Dev 0.9552


asym_at2_avg_correction_rms vs run
$\chi^2$ / ndf 5.301e+04 / 76
p0 8530 ± 6.827
12000
11000
10000
9000
8000
7000

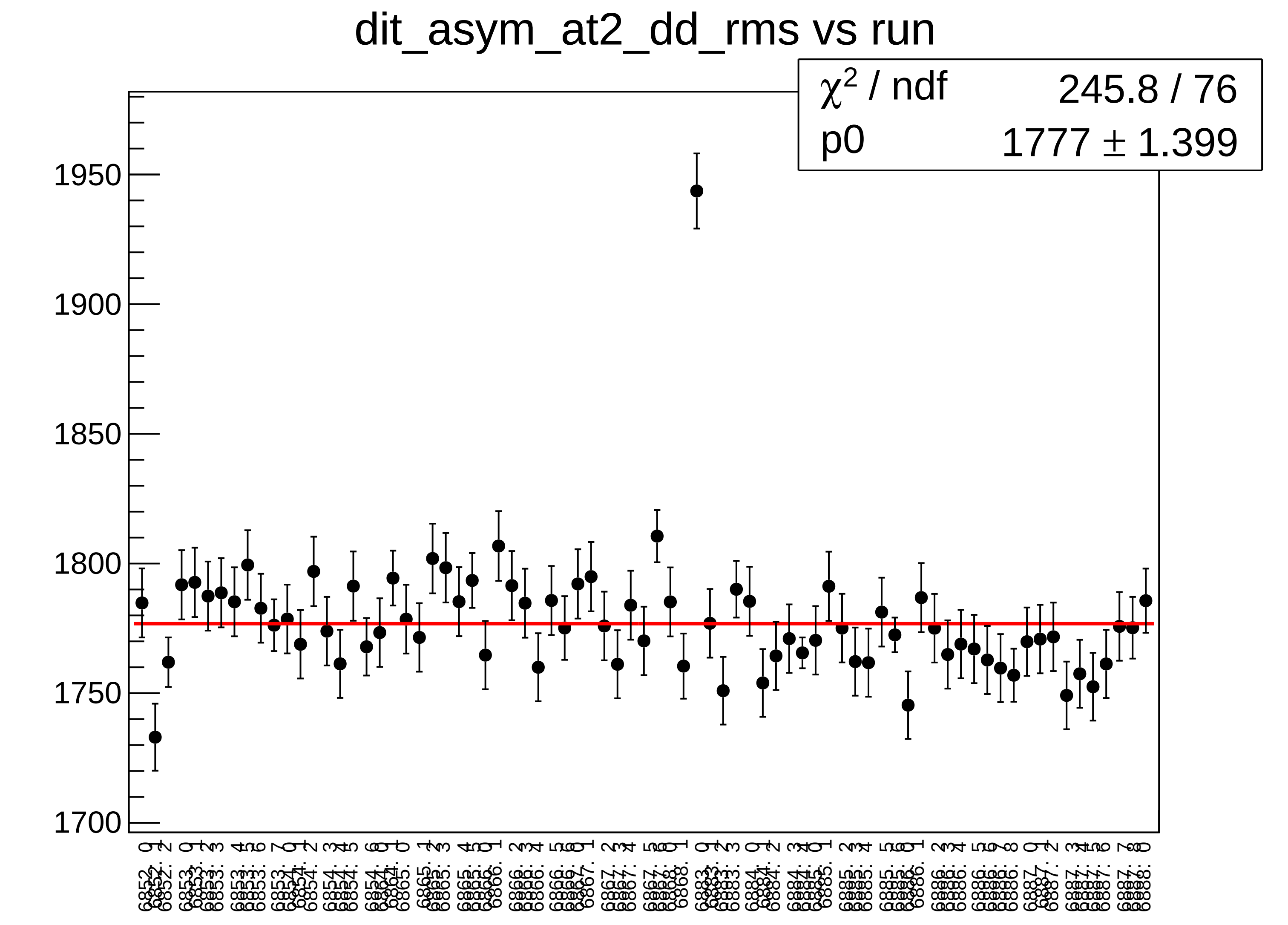


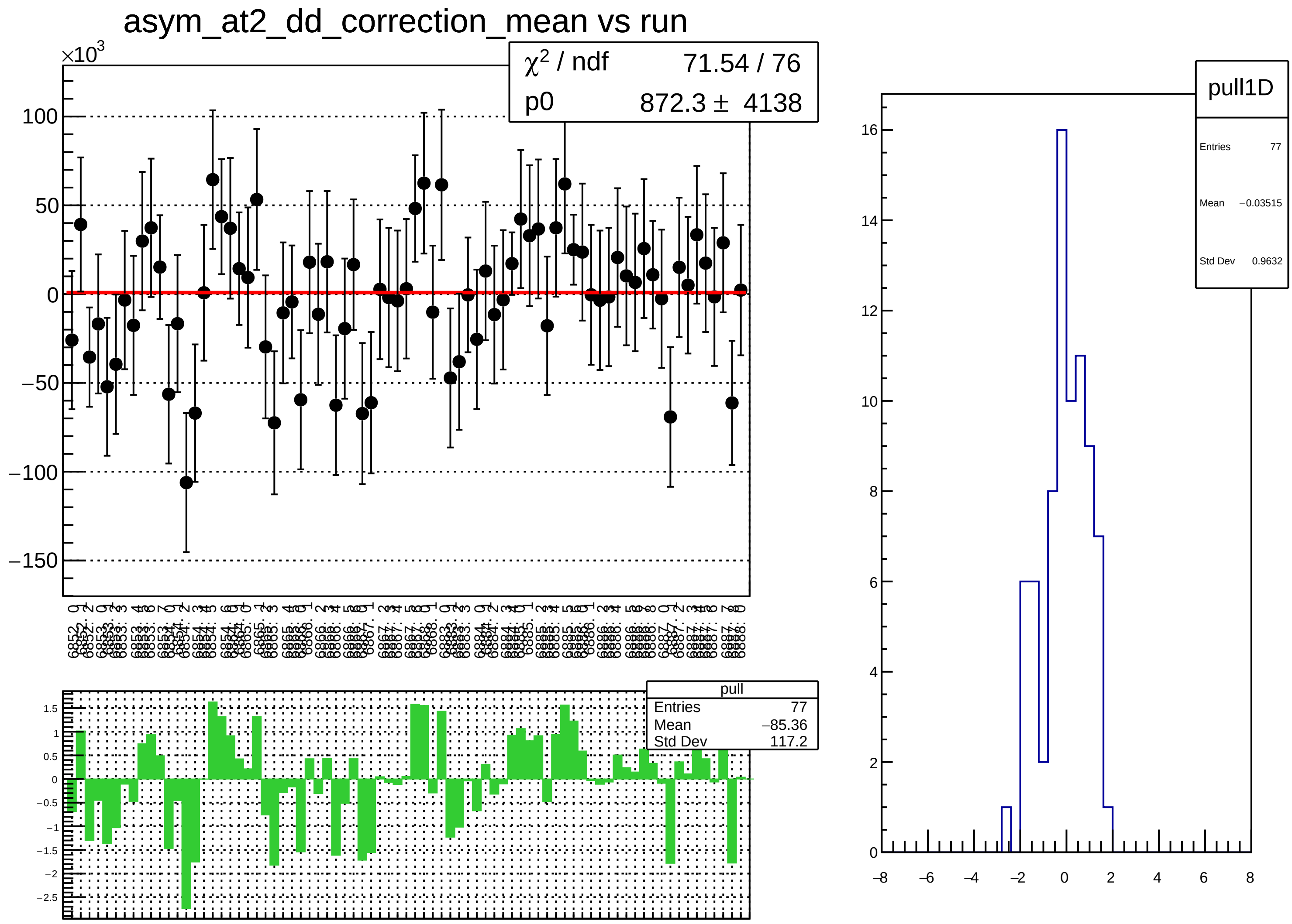
asym_at2_avg_mean vs run
$\times10^3$
$\chi^2$ / ndf 72.34 / 76
p0 6632 ± 9850
pull
Entries 77
Mean −1.637
Std Dev 59.8
pull1D
Entries 77
Mean −0.01893
Std Dev 0.9691

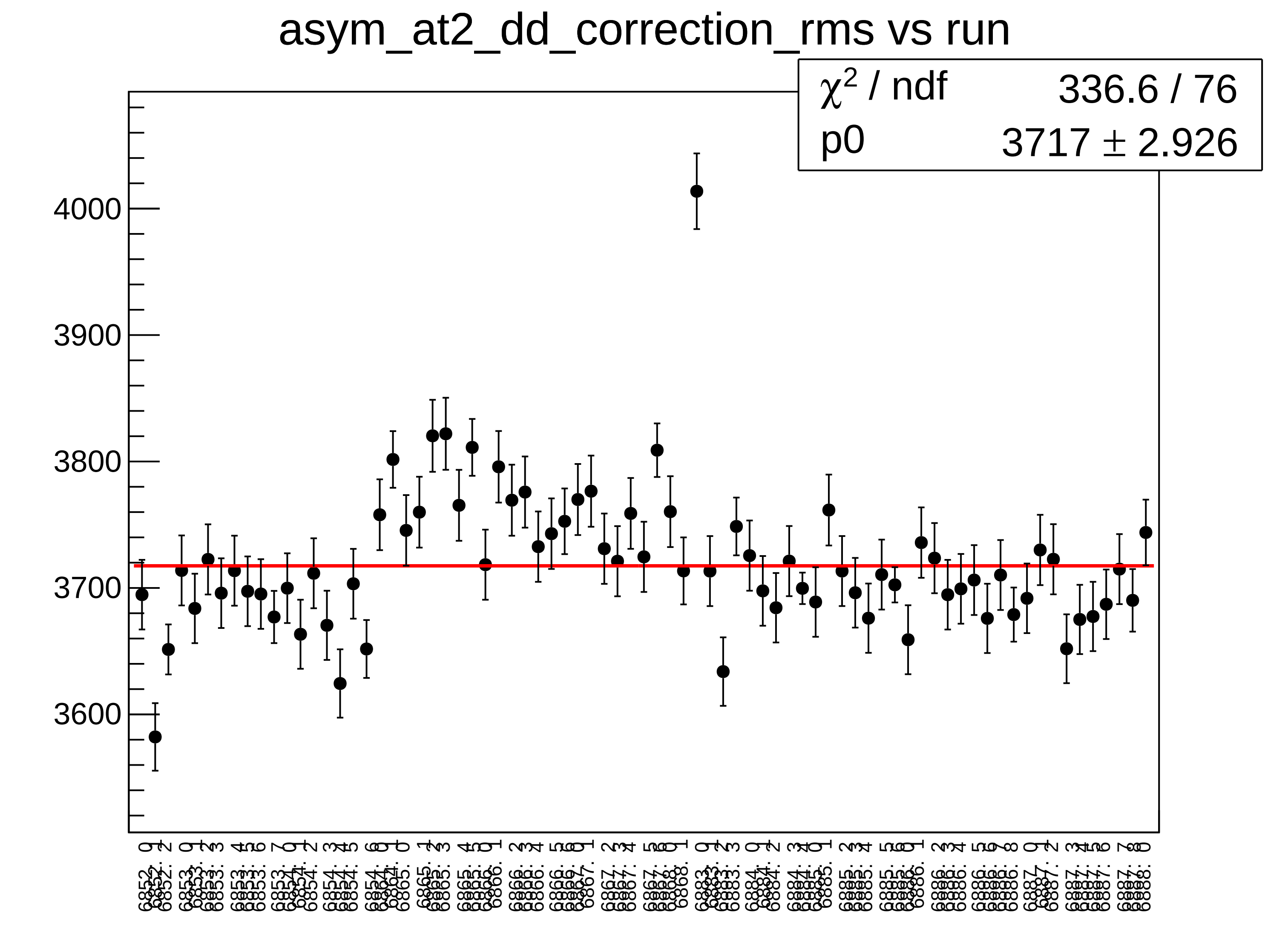

asym_at2_avg_rms vs run
χ2 / ndf 4.935e+04 / 76
p0 8713 ± 6.965
12000
11000
10000
9000
8000
7000

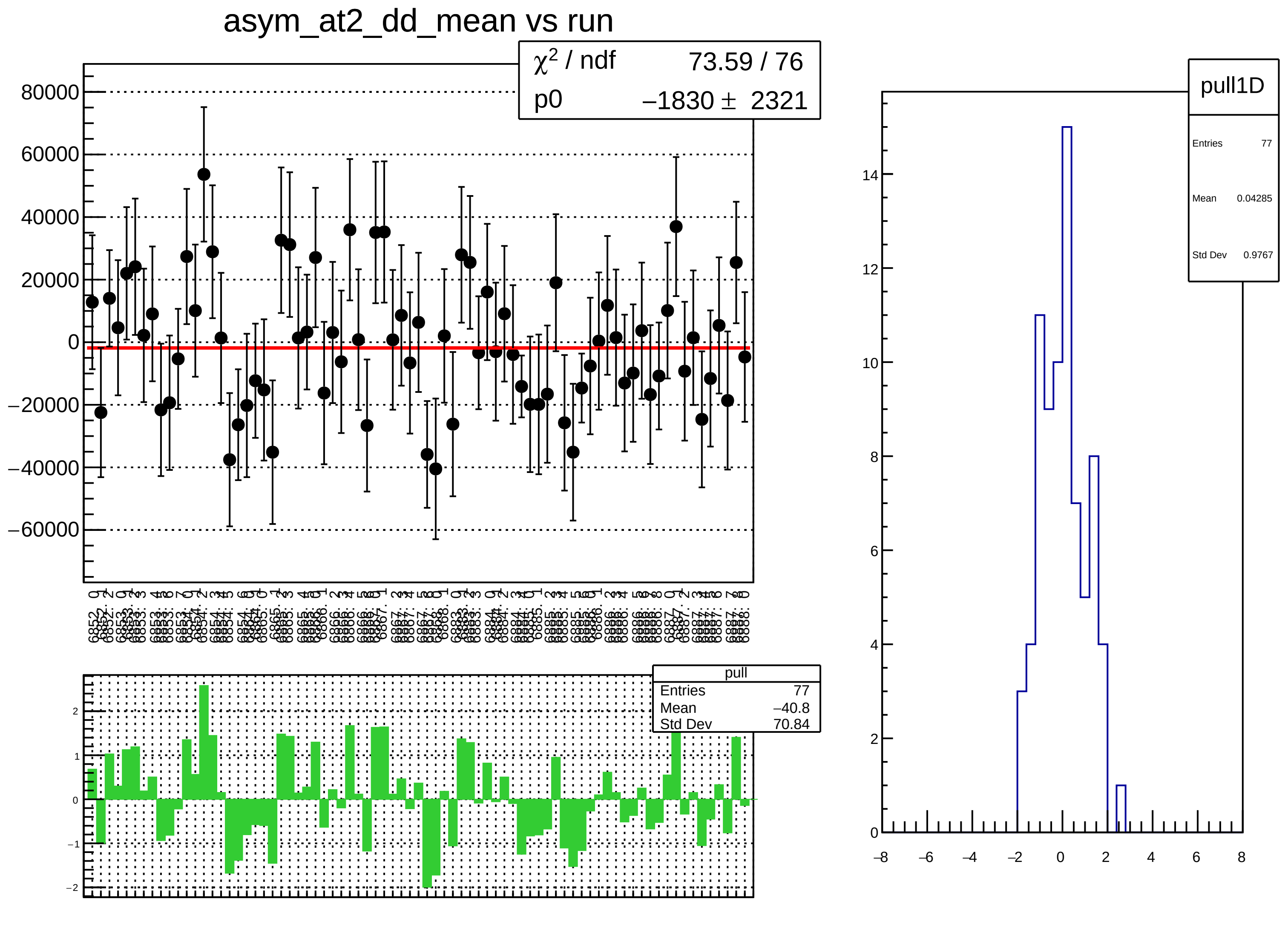


dit_asym_at2_dd_mean vs run
χ2 / ndf 70.71 / 76
p0 −999.9 ± 1978
pull
Entries 77
Mean −194.9
Std Dev 228.2
pull1D
Entries 77
Mean −0.02196
Std Dev 0.958

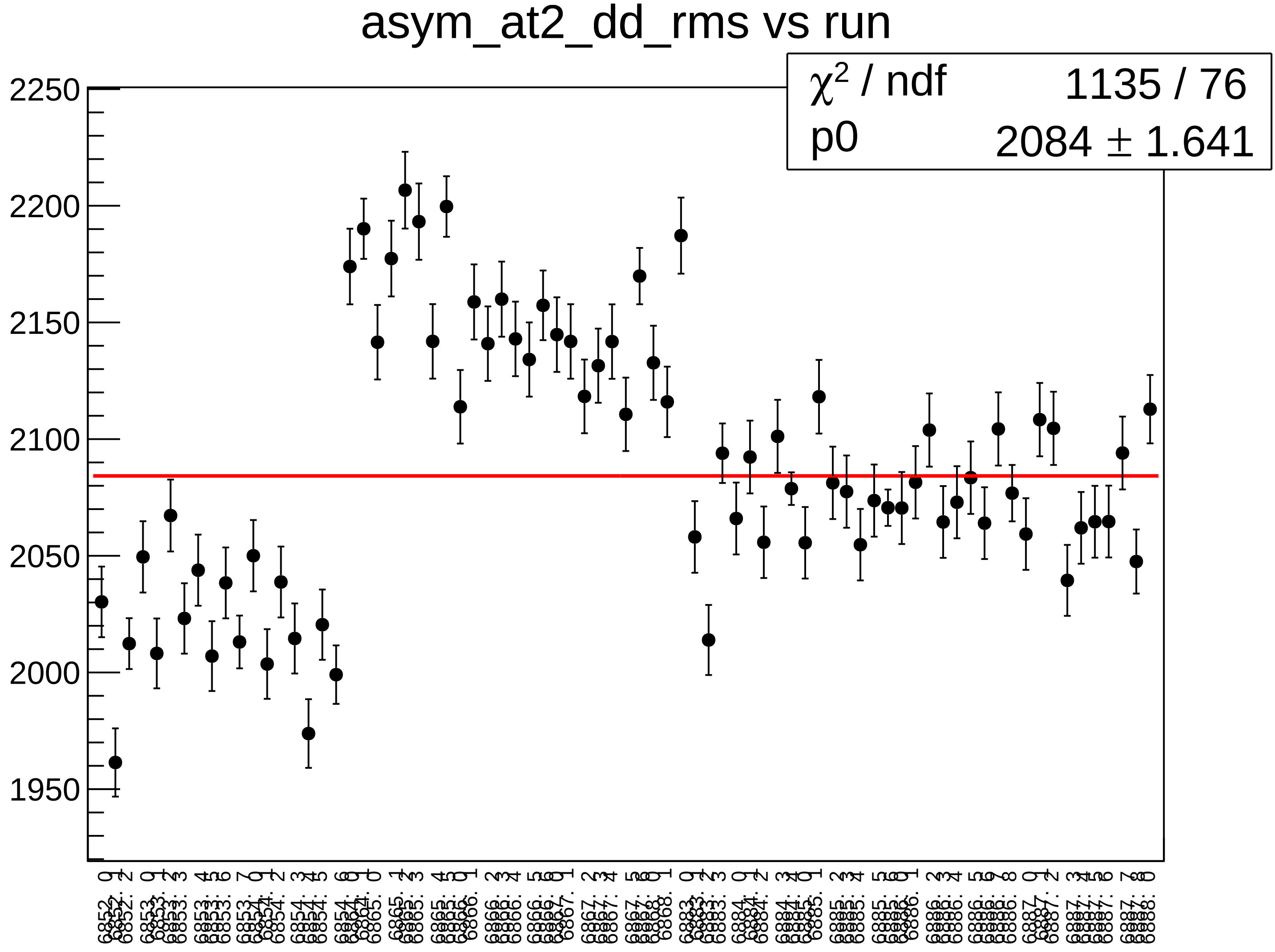

dit_asym_at2_dd_rms vs run
$\chi^2$ / ndf 245.8 / 76
p0 1777 ± 1.399
1950
1900
1850
1800
1750
1700


asym_at2_dd_correction_mean vs run
$\times10^3$
$\chi^2$ / ndf 71.54 / 76
p0 872.3 ± 4138
100
50
0
−50
−100
−150
pull
Entries 77
Mean −85.36
Std Dev 117.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 77
Mean −0.03515
Std Dev 0.9632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

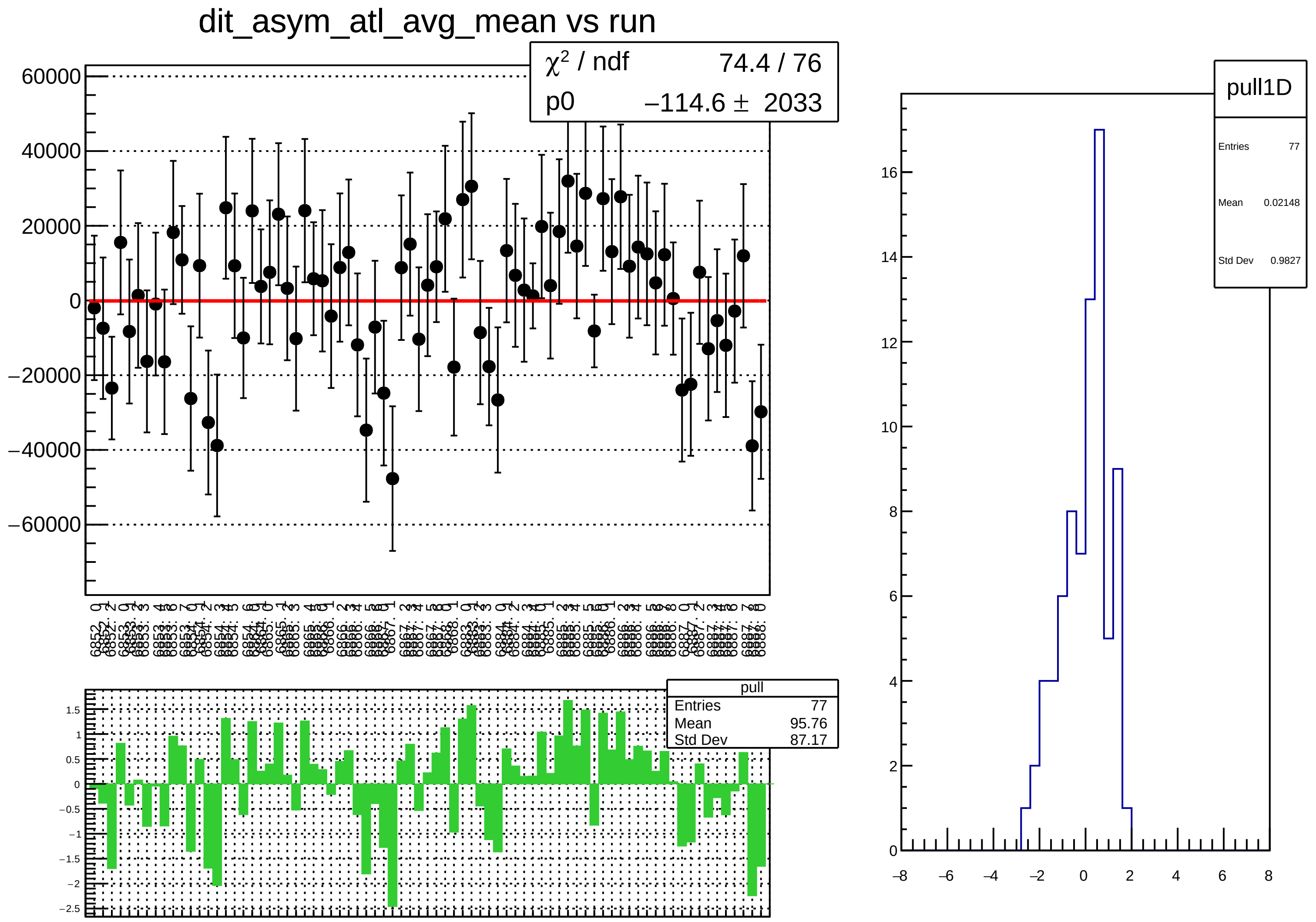

asym_at2_dd_correction_rms vs run
χ2 / ndf 336.6 / 76
p0 3717 ± 2.926
4000
3900
3800
3700
3600



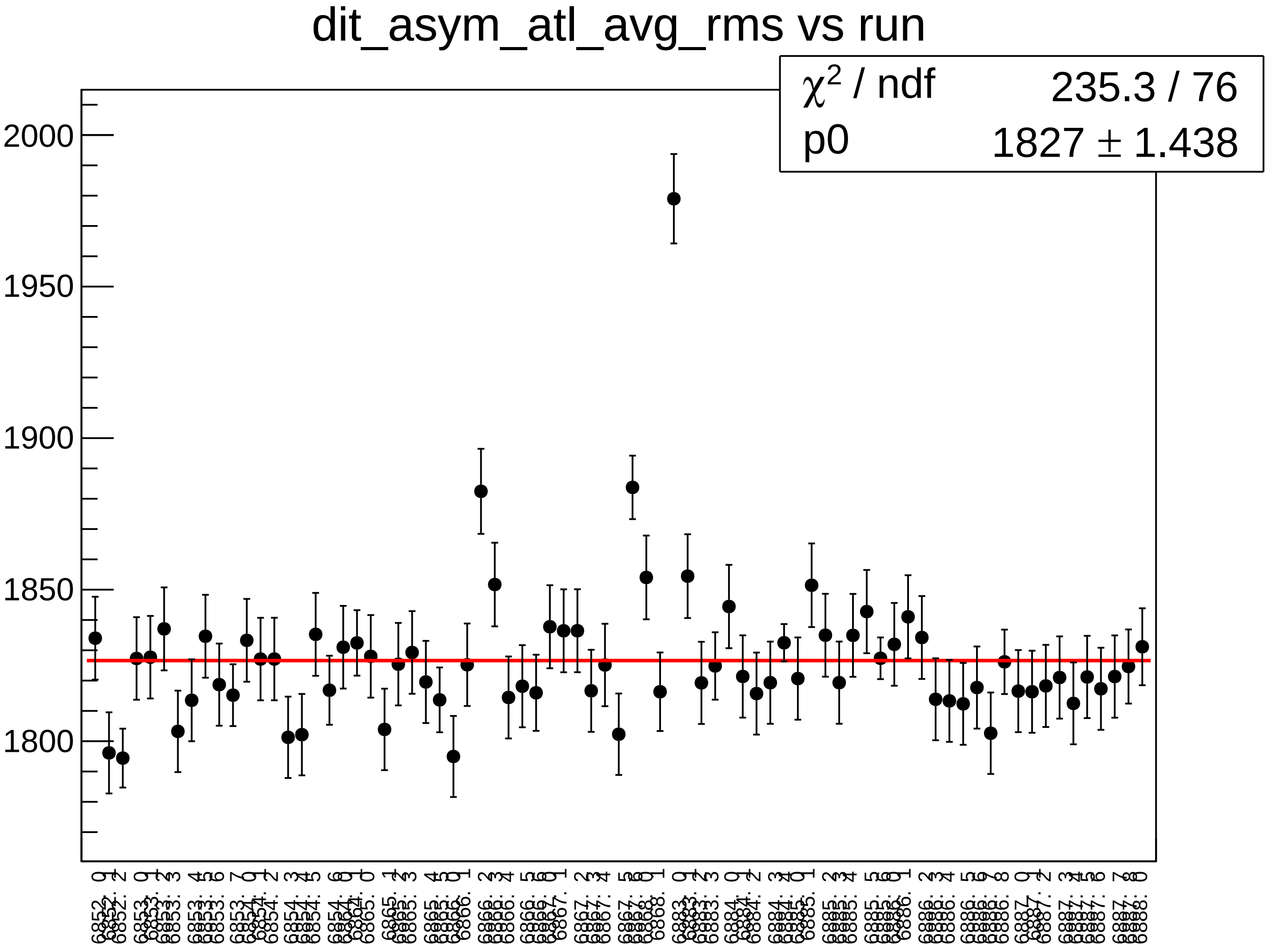
asym_at2_dd_mean vs run
χ2 / ndf 73.59 / 76
p0 −1830 ± 2321
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean −40.8
Std Dev 70.84
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.04285
Std Dev 0.9767
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



asym_at2_dd_rms vs run
$\chi^2$ / ndf 1135 / 76
p0 2084 ± 1.641
2250
2200
2150
2100
2050
2000
1950

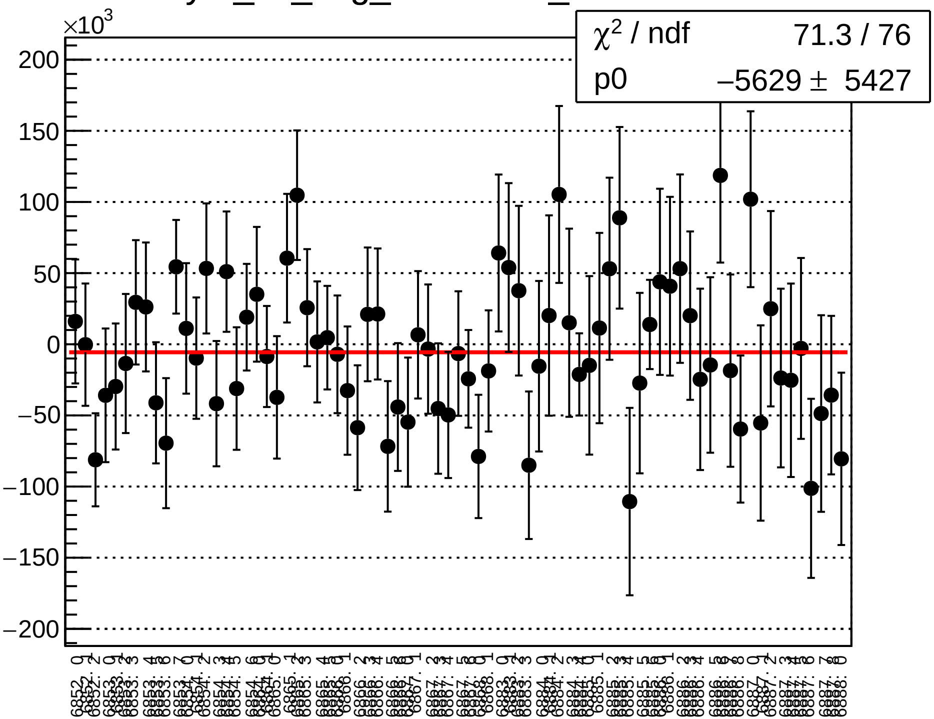


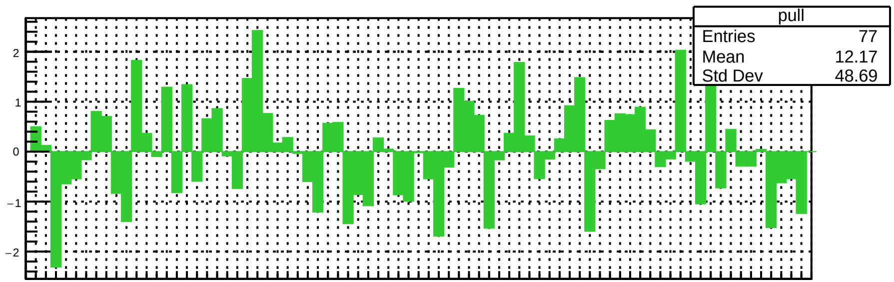
dit_asym_atl_avg_mean vs run
χ² / ndf 74.4 / 76
p0 −114.6 ± 2033
pull
Entries 77
Mean 95.76
Std Dev 87.17
pull1D
Entries 77
Mean 0.02148
Std Dev 0.9827

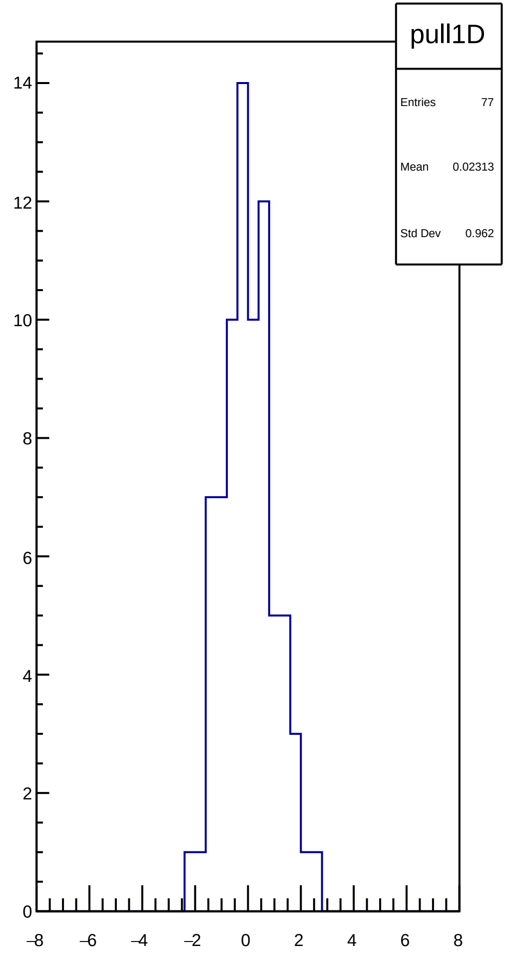


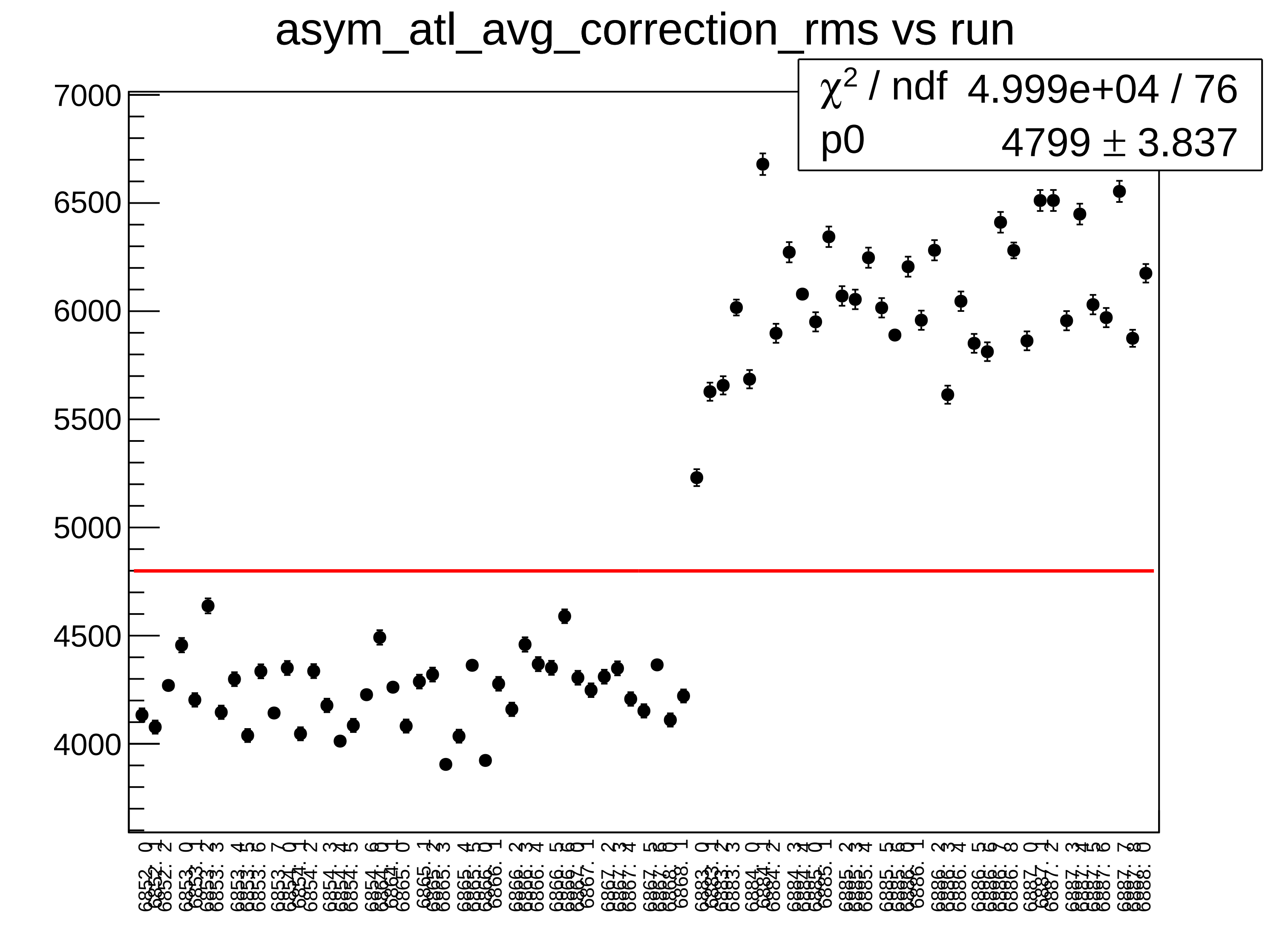
dit_asym_atl_avg_rms vs run
$\chi^2$ / ndf 235.3 / 76
p0 1827 ± 1.438
2000
1950
1900
1850
1800

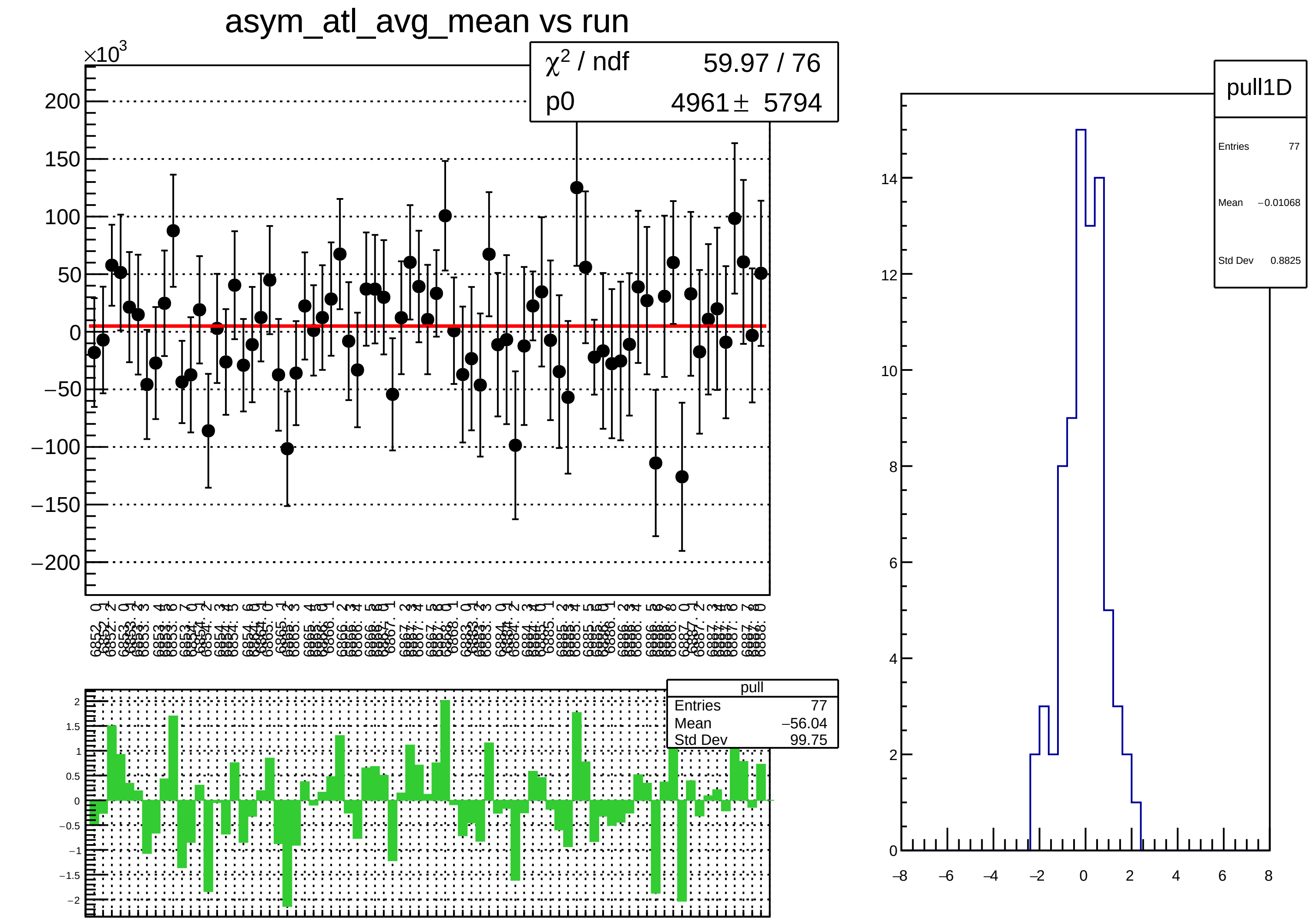
# asym_atl_avg_correction_mean vs run



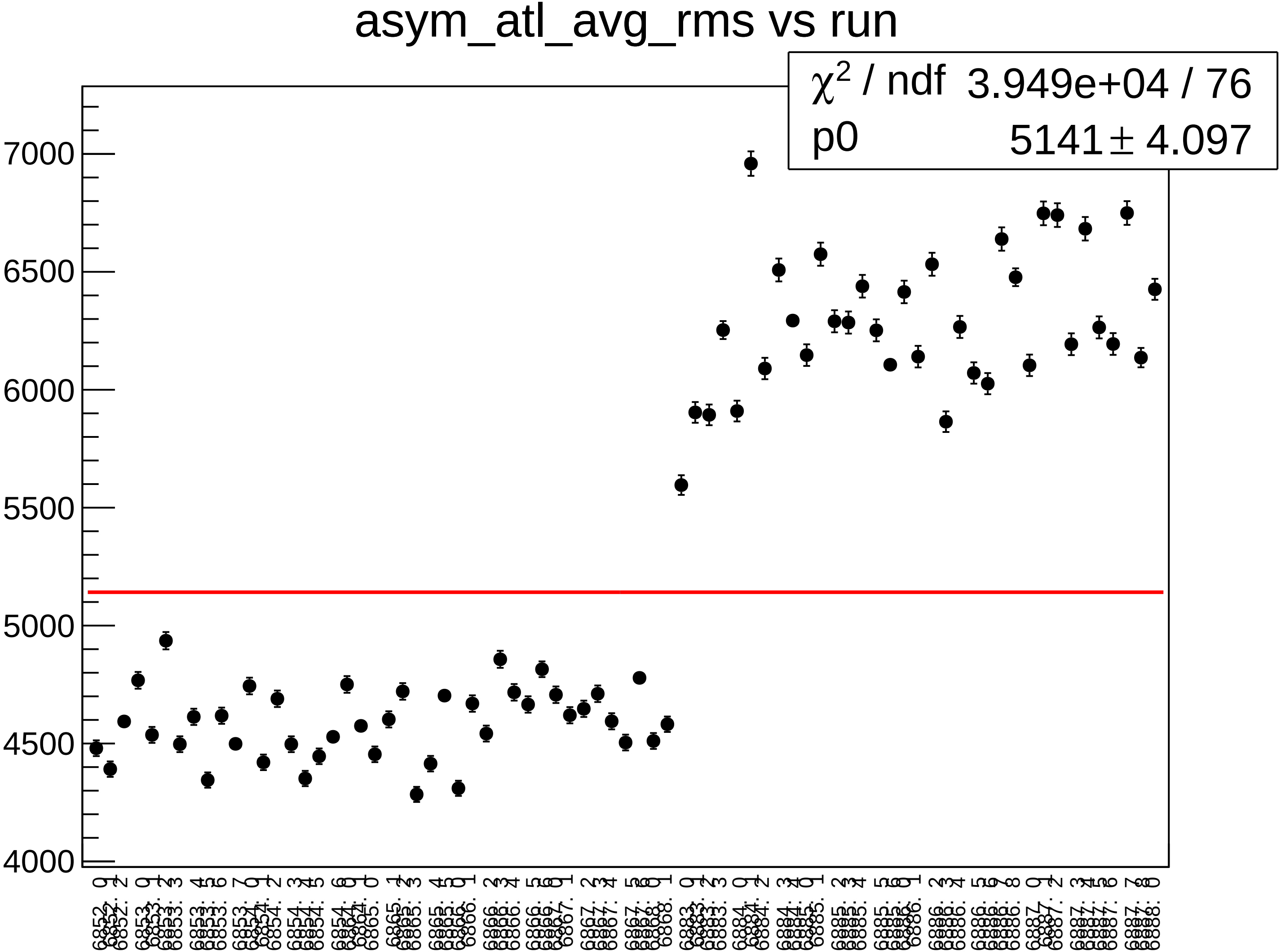



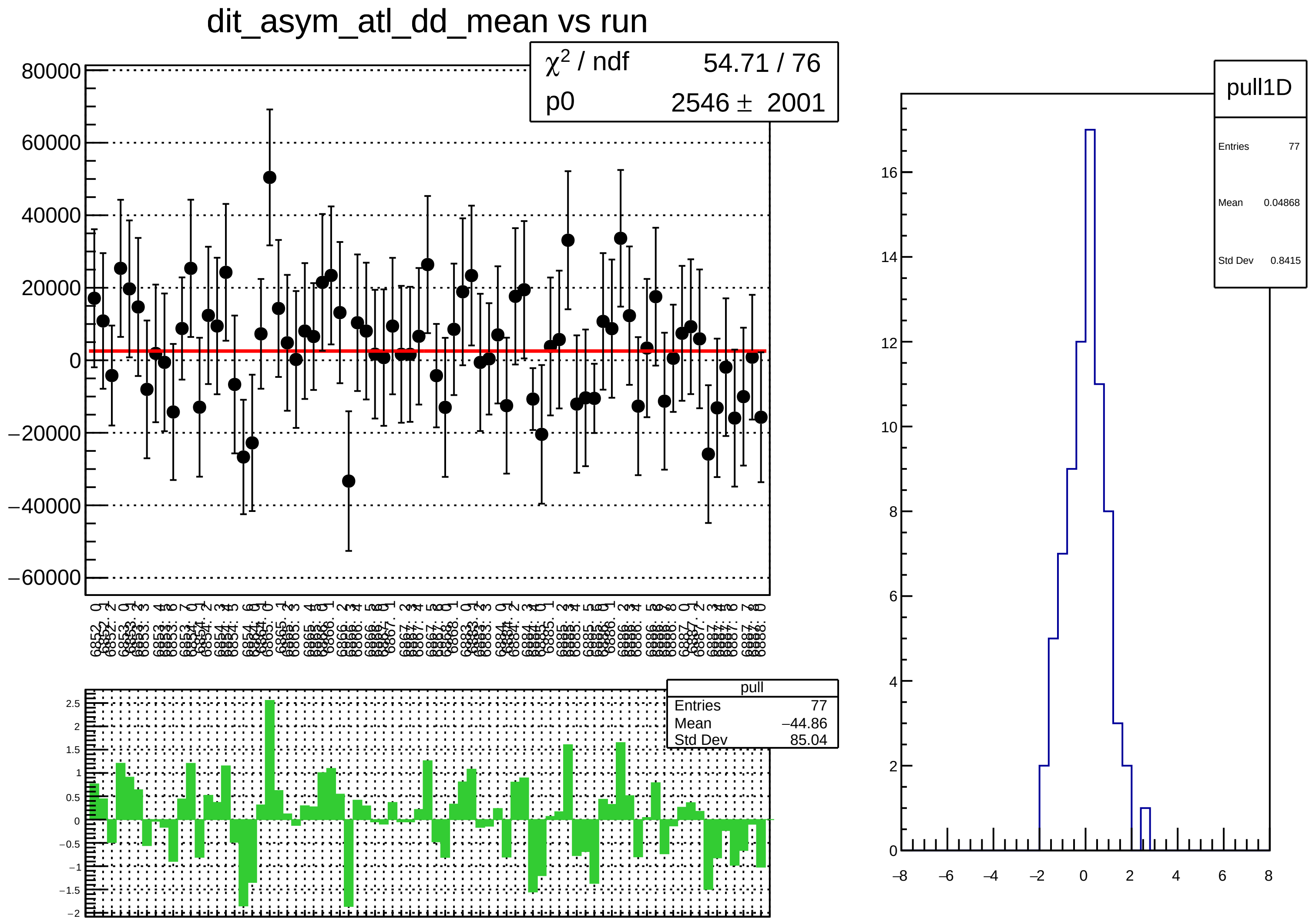



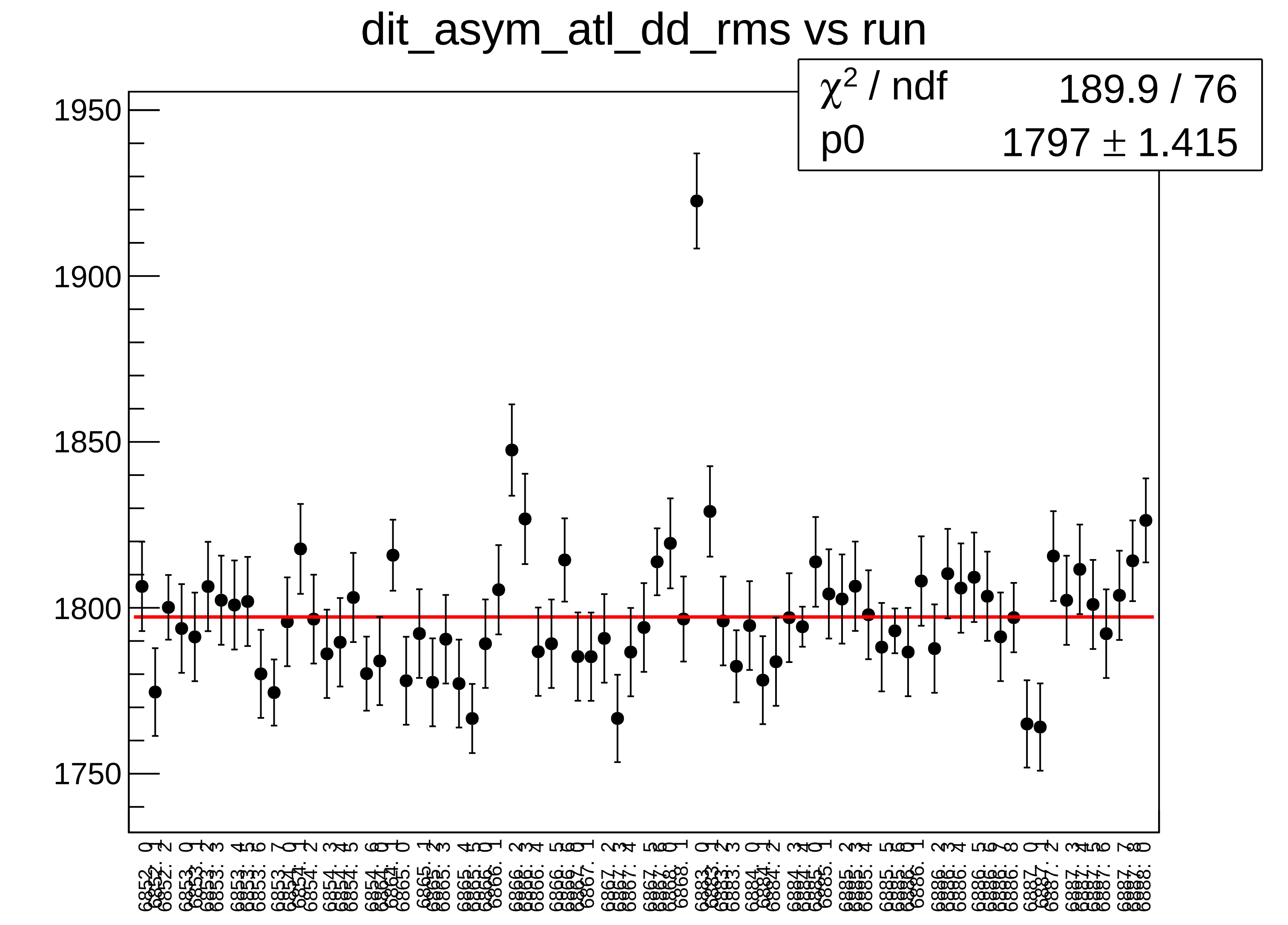

asym_atl_avg_correction_rms vs run
χ2 / ndf 4.999e+04 / 76
p0 4799 ± 3.837
7000
6500
6000
5500
5000
4500
4000



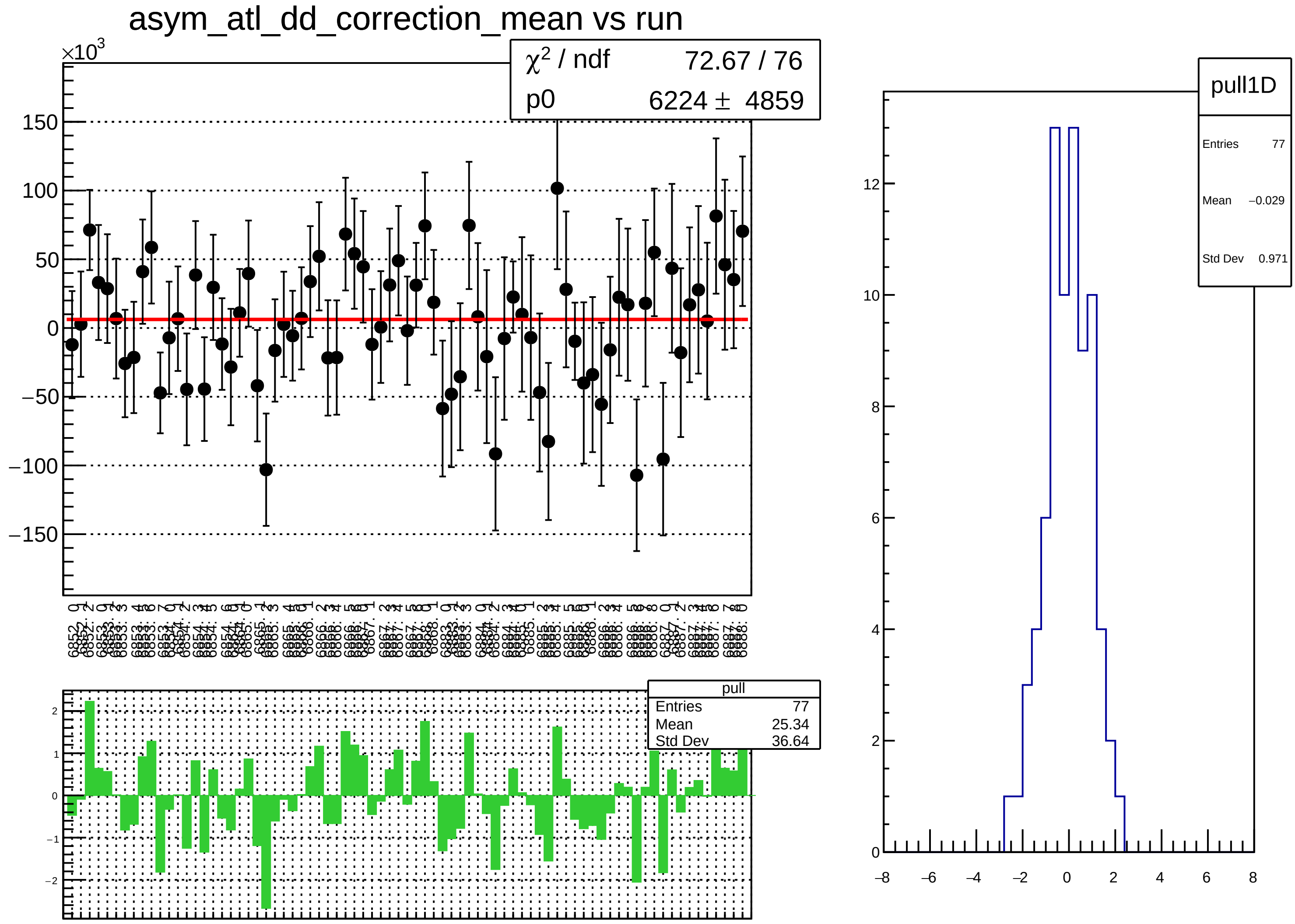
asym_atl_avg_mean vs run
$\chi^2$ / ndf 59.97 / 76
p0 4961 ± 5794
×10^3
pull
Entries 77
Mean −56.04
Std Dev 99.75
pull1D
Entries 77
Mean −0.01068
Std Dev 0.8825

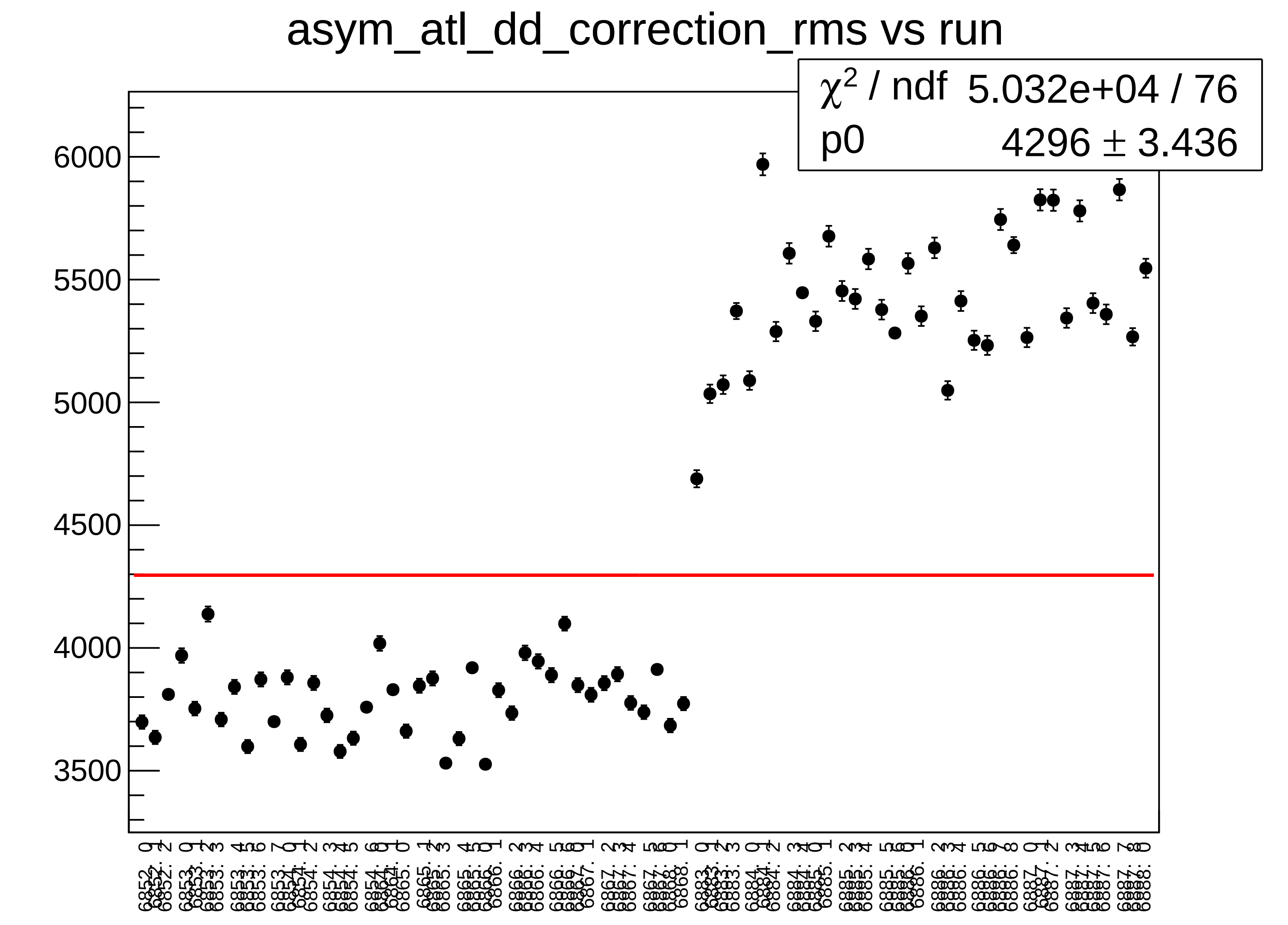

asym_atl_avg_rms vs run
$\chi^2$ / ndf 3.949e+04 / 76
p0 5141 ± 4.097
7000
6500
6000
5500
5000
4500
4000

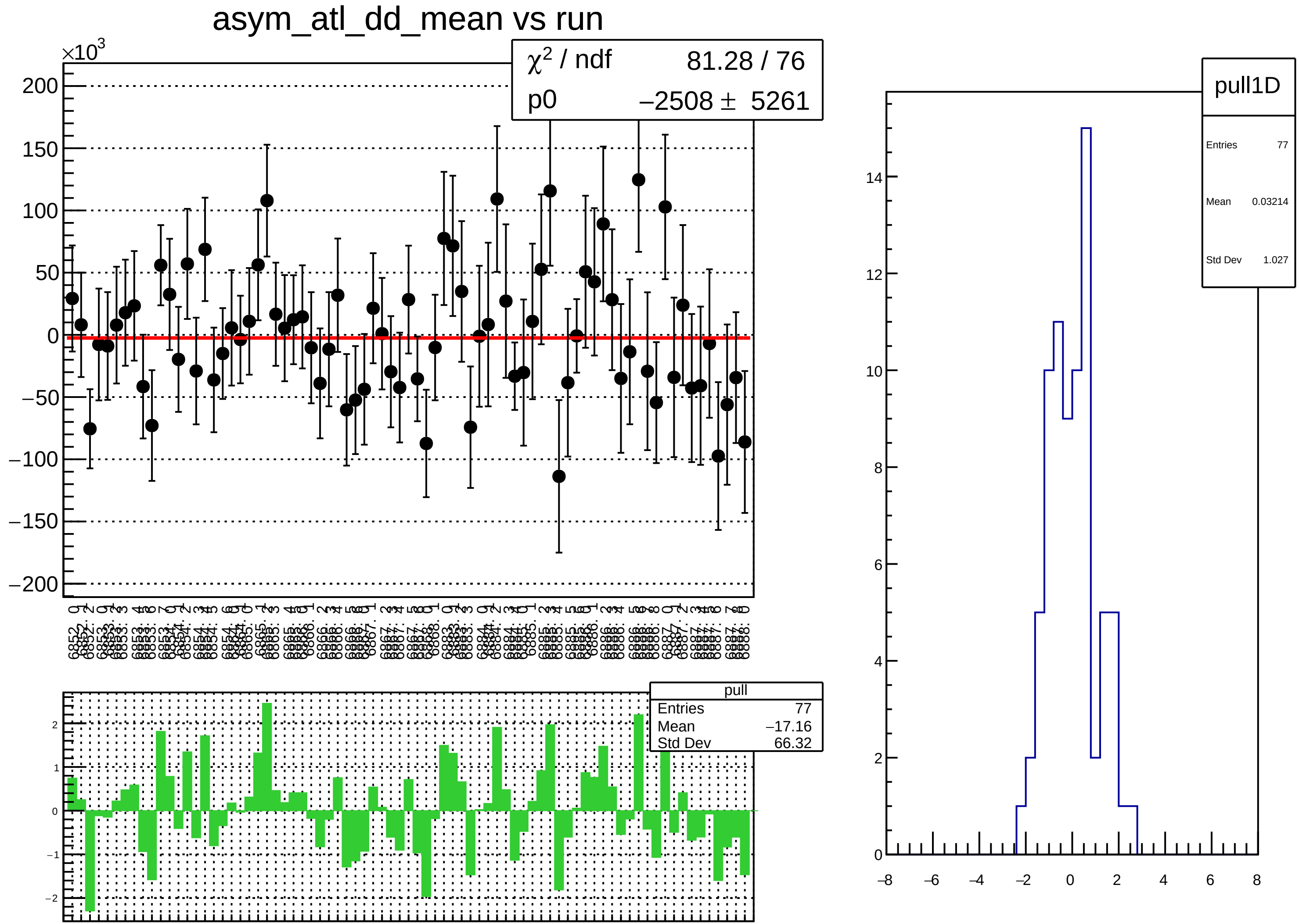

dit_asym_atl_dd_mean vs run
$\chi^2$ / ndf 54.71 / 76
p0 2546 ± 2001
pull
Entries 77
Mean −44.86
Std Dev 85.04
pull1D
Entries 77
Mean 0.04868
Std Dev 0.8415

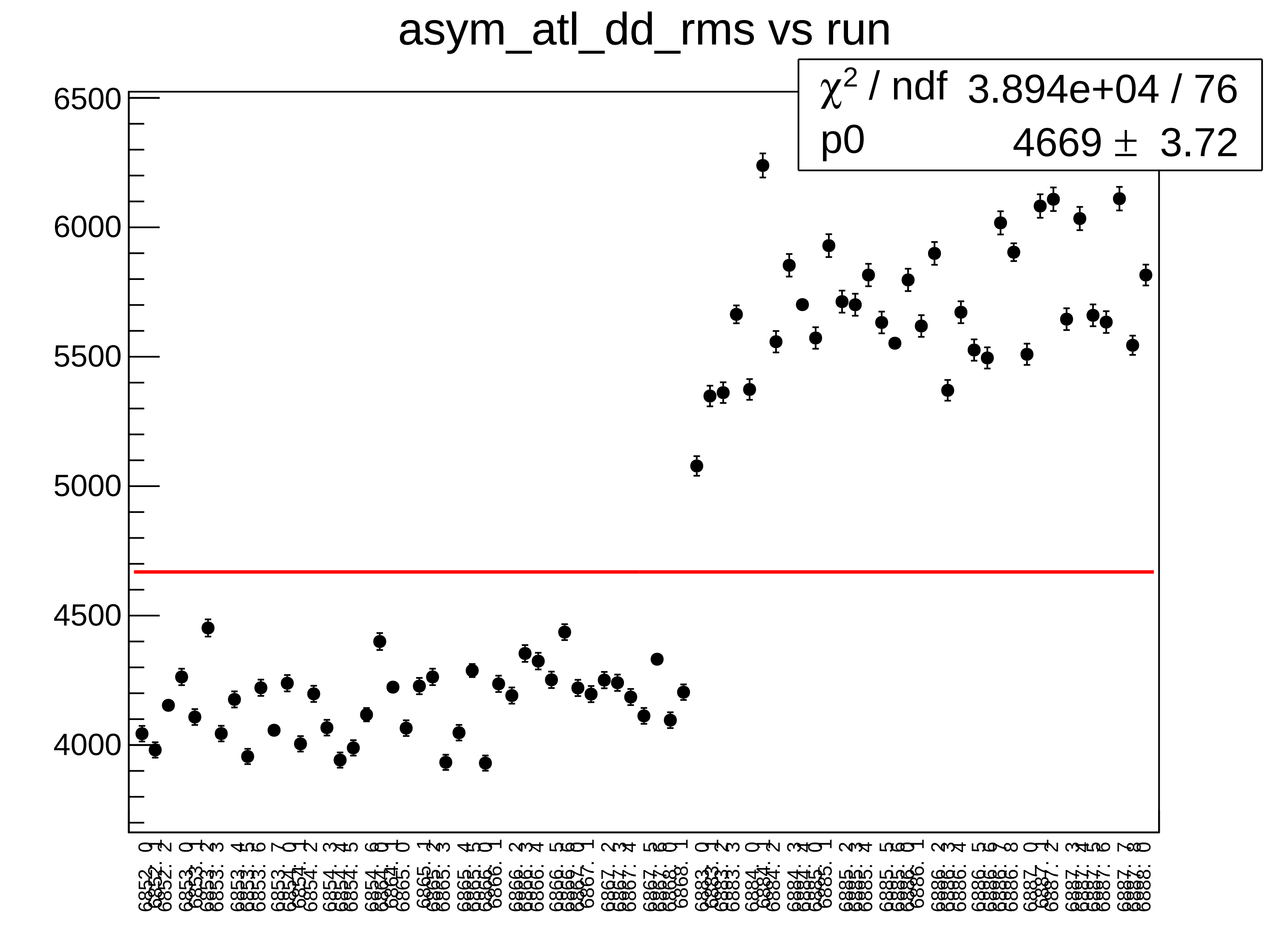


dit_asym_atl_dd_rms vs run
$\chi^2$ / ndf 189.9 / 76
p0 1797 ± 1.415
1950
1900
1850
1800
1750

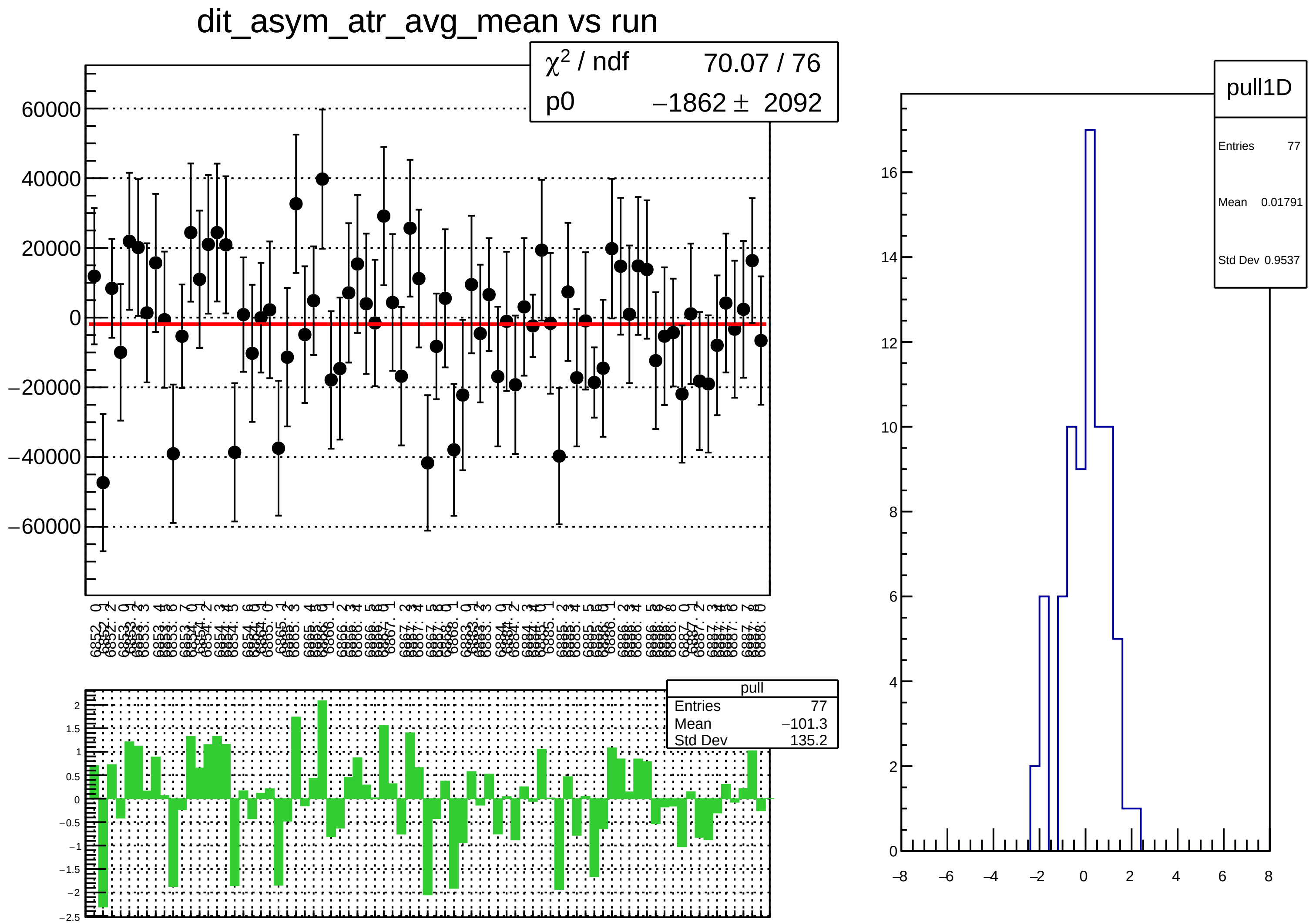

asym_atl_dd_correction_mean vs run
$\times10^3$
$\chi^2$ / ndf 72.67 / 76
p0 6224 ± 4859
150
100
50
0
−50
−100
−150
pull
Entries 77
Mean 25.34
Std Dev 36.64
pull1D
Entries 77
Mean −0.029
Std Dev 0.971
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8


asym_atl_dd_correction_rms vs run
$\chi^2$ / ndf 5.032e+04 / 76
p0 4296 ± 3.436
6000
5500
5000
4500
4000
3500

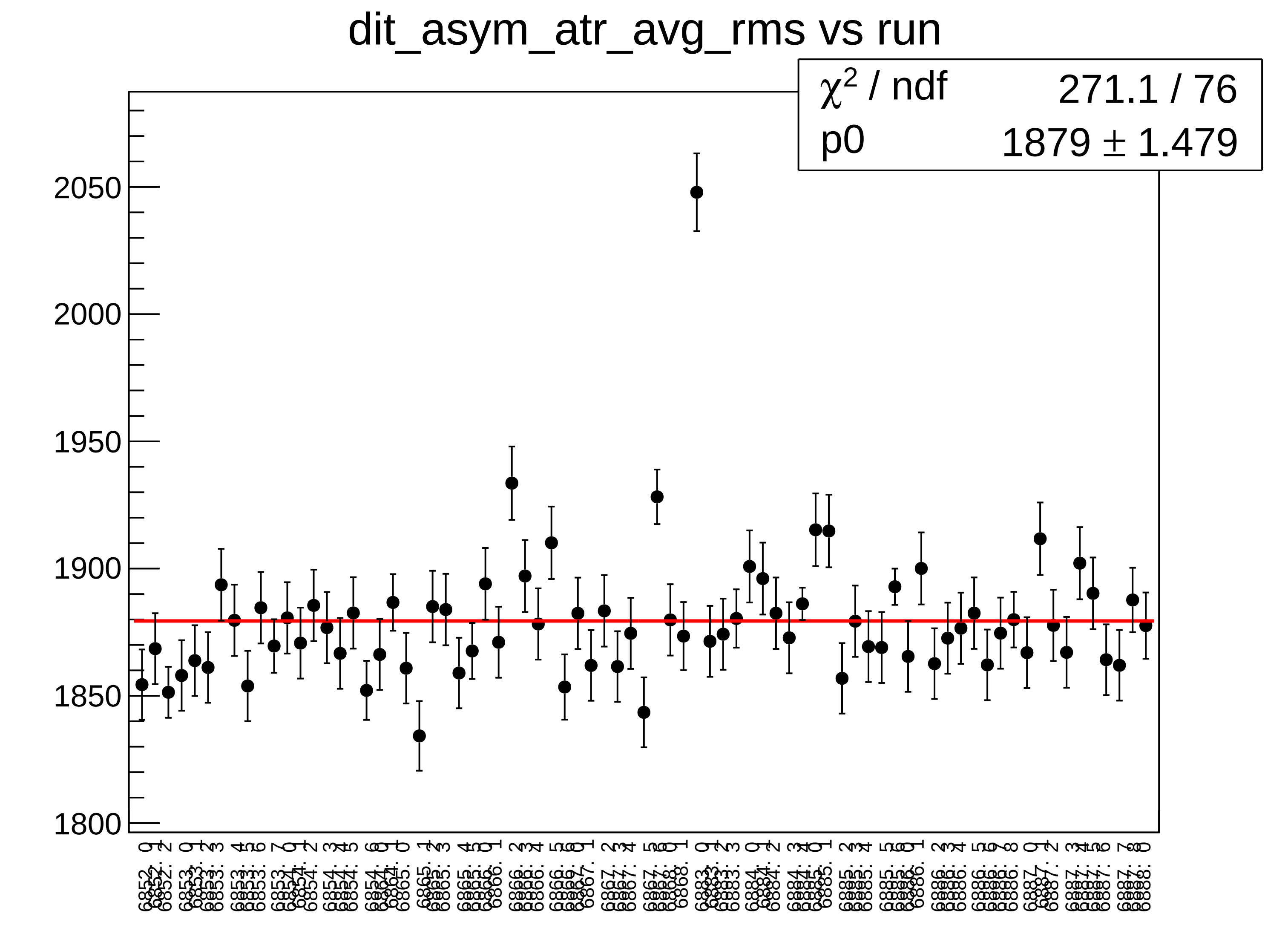

asym_atl_dd_mean vs run
$\times 10^3$
$\chi^2$ / ndf 81.28 / 76
p0 −2508 ± 5261
pull
Entries 77
Mean −17.16
Std Dev 66.32
pull1D
Entries 77
Mean 0.03214
Std Dev 1.027



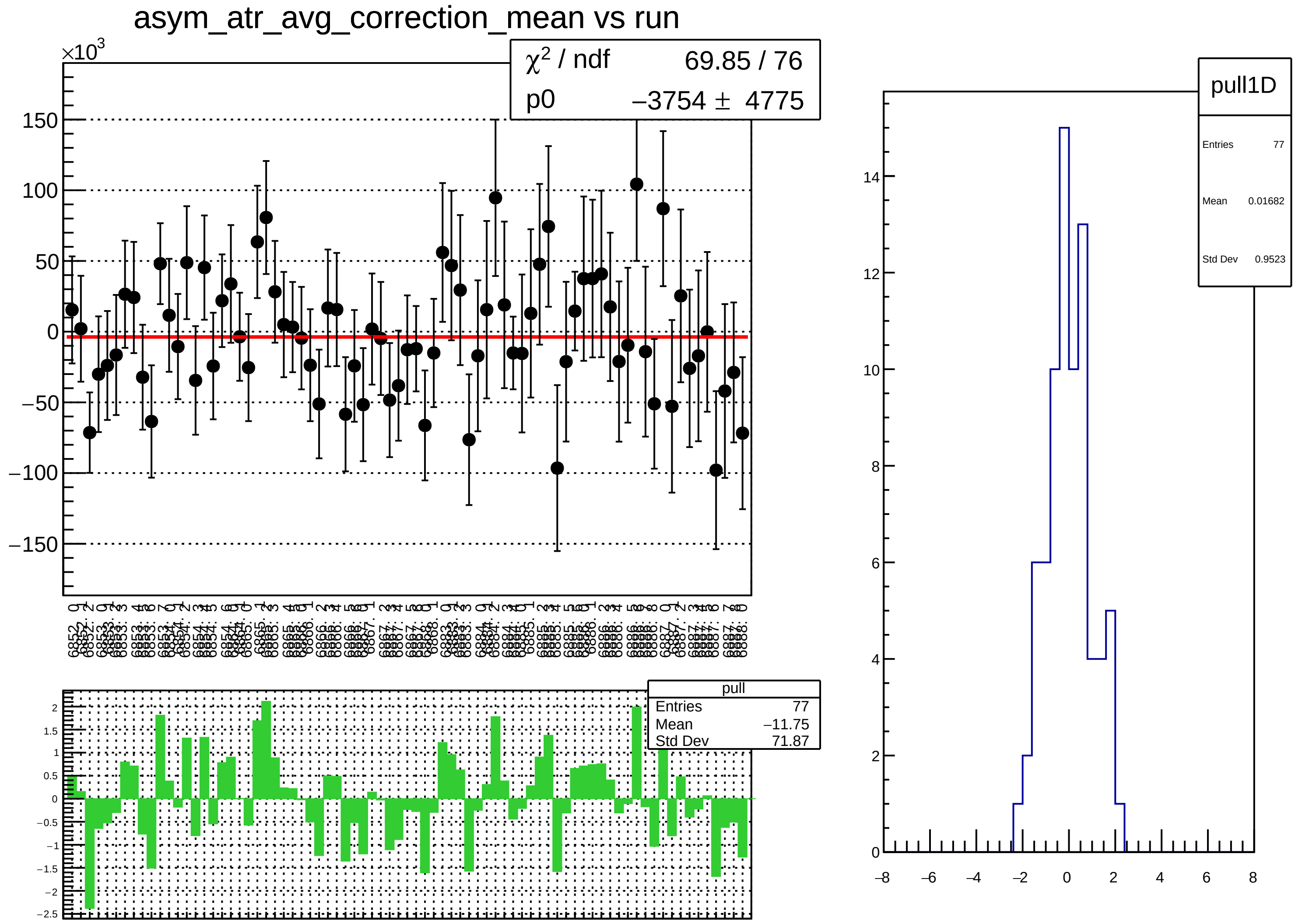
asym_atl_dd_rms vs run
$\chi^2$ / ndf 3.894e+04 / 76
p0 4669 ± 3.72
6500
6000
5500
5000
4500
4000



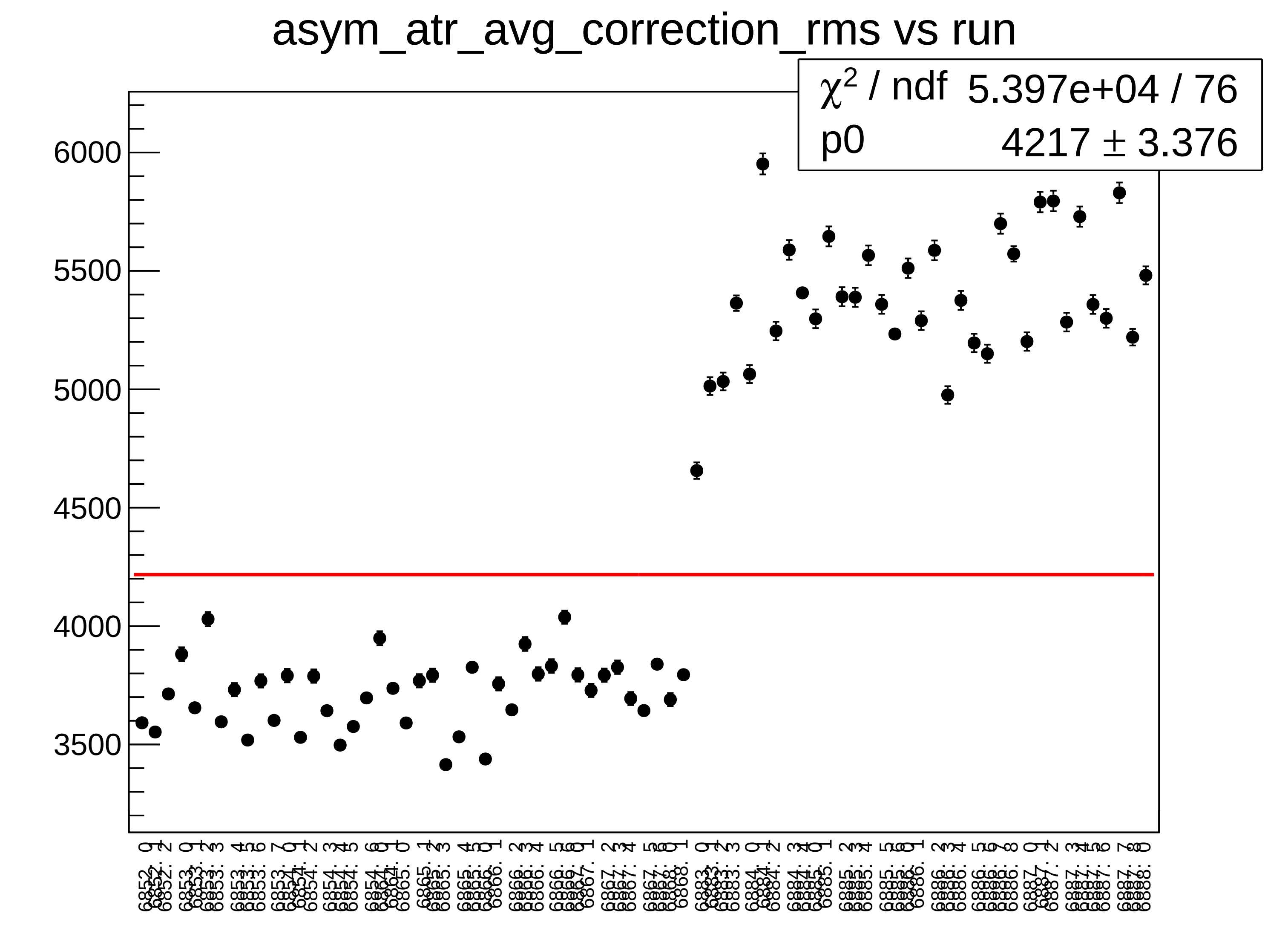
dit_asym_atr_avg_mean vs run
$\chi^2$ / ndf 70.07 / 76
p0 −1862 ± 2092
pull
Entries 77
Mean −101.3
Std Dev 135.2
pull1D
Entries 77
Mean 0.01791
Std Dev 0.9537



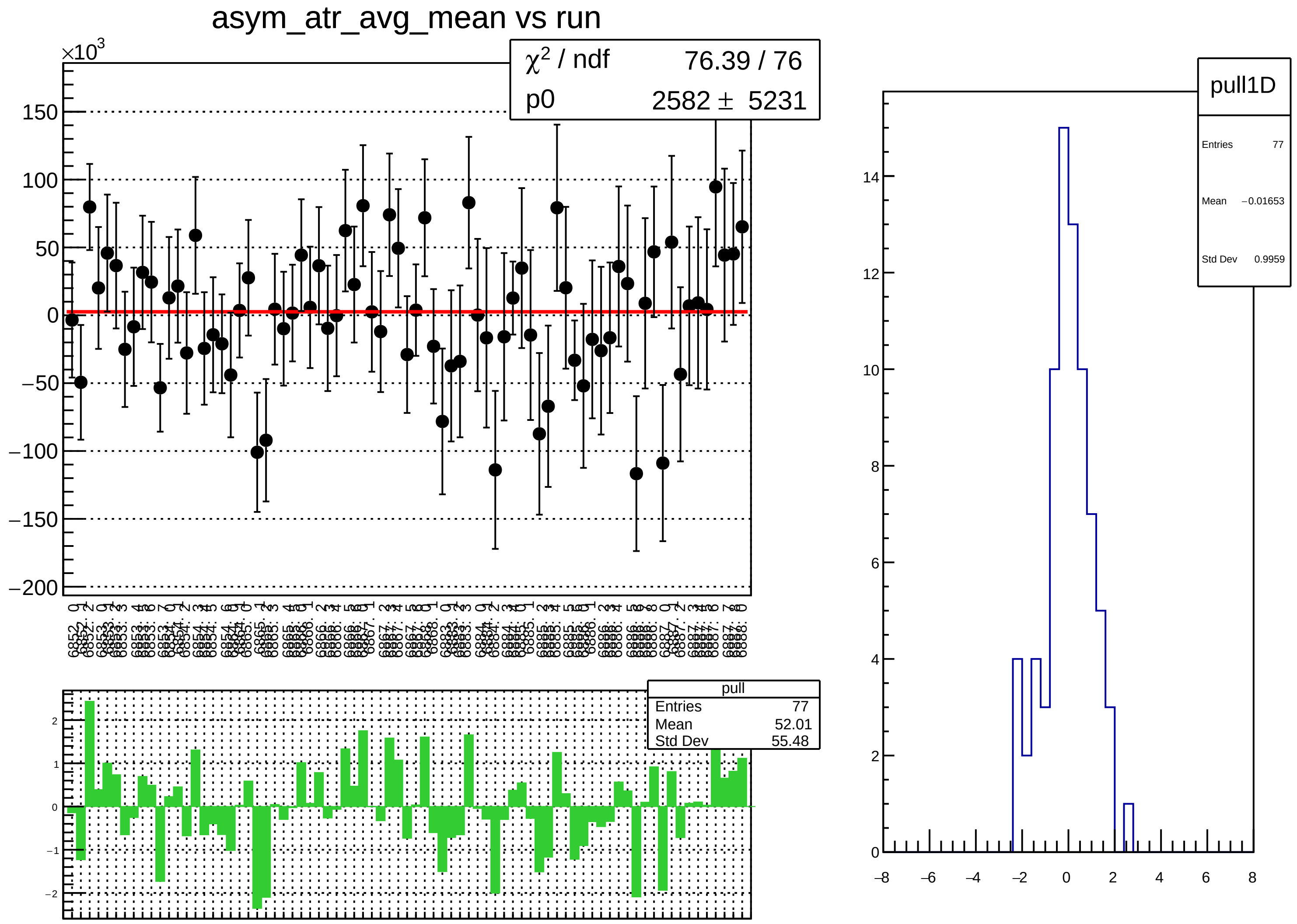
dit_asym_atr_avg_rms vs run
χ2 / ndf 271.1 / 76
p0 1879 ± 1.479
2050
2000
1950
1900
1850
1800



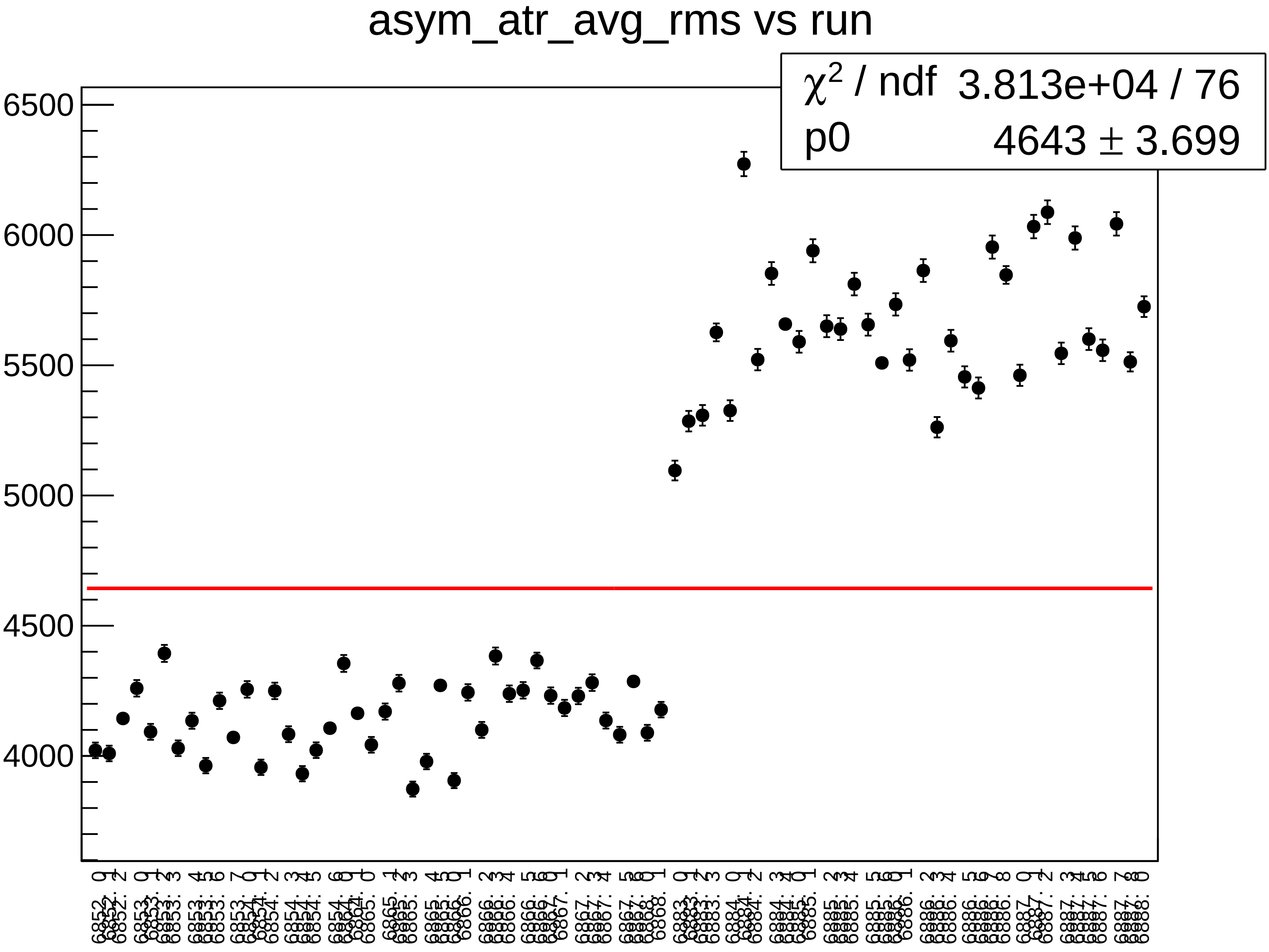
asym_atr_avg_correction_mean vs run
$\times 10^{3}$
$\chi^2$ / ndf 69.85 / 76
p0 −3754 ± 4775
150
100
50
0
−50
−100
−150
pull
Entries 77
Mean −11.75
Std Dev 71.87
pull1D
Entries 77
Mean 0.01682
Std Dev 0.9523

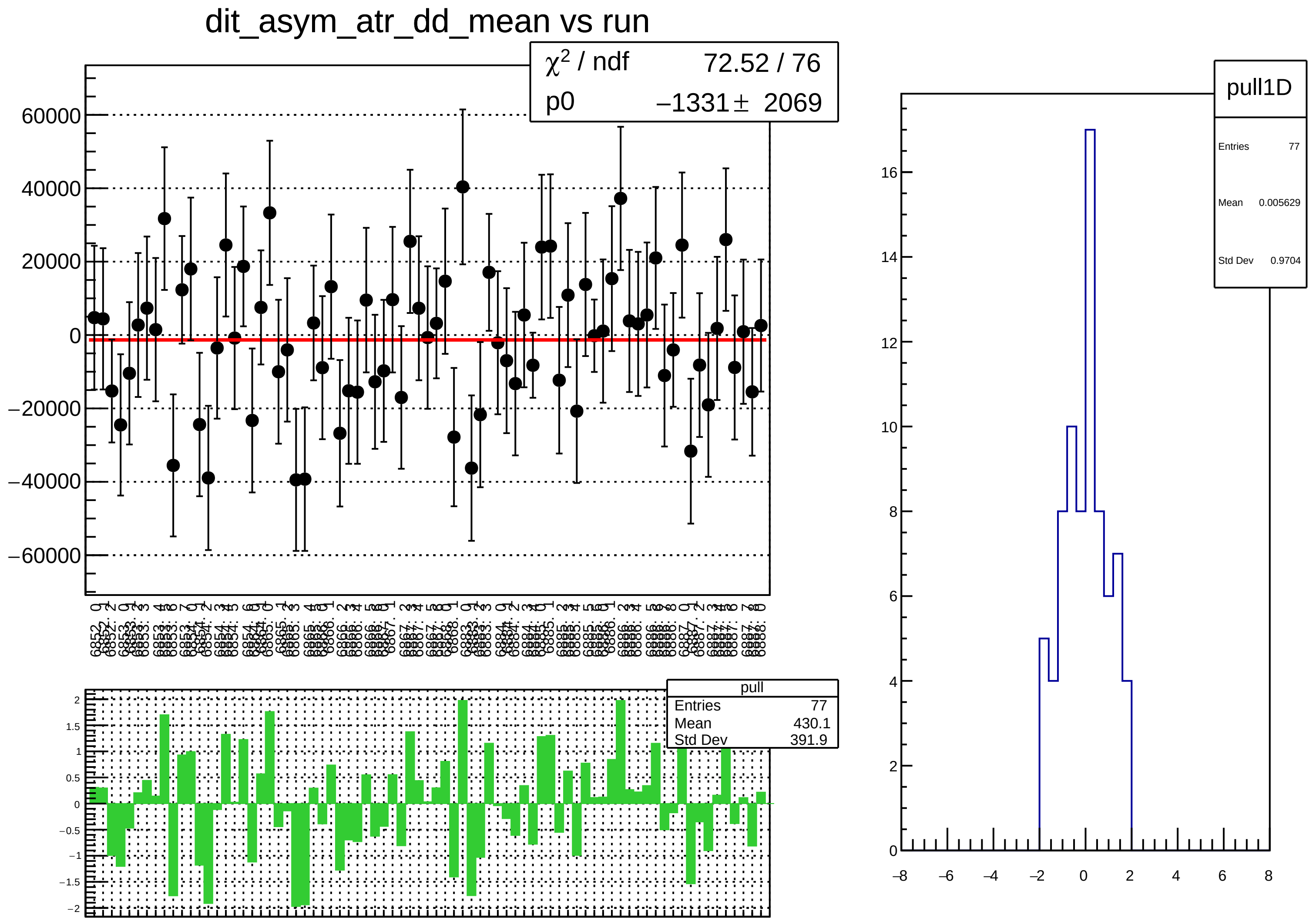


asym_atr_avg_correction_rms vs run
χ² / ndf 5.397e+04 / 76
p0 4217 ± 3.376
6000
5500
5000
4500
4000
3500

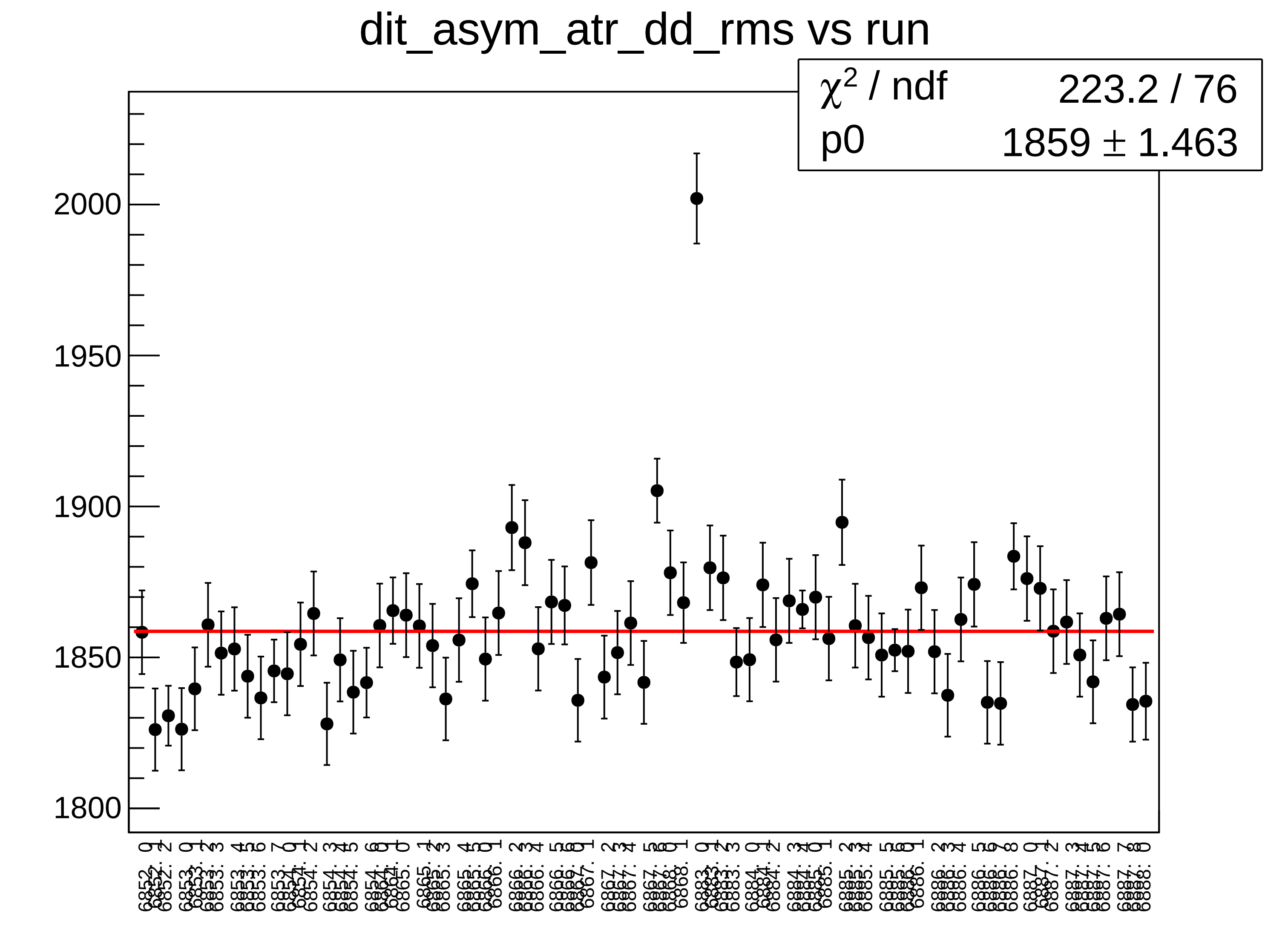


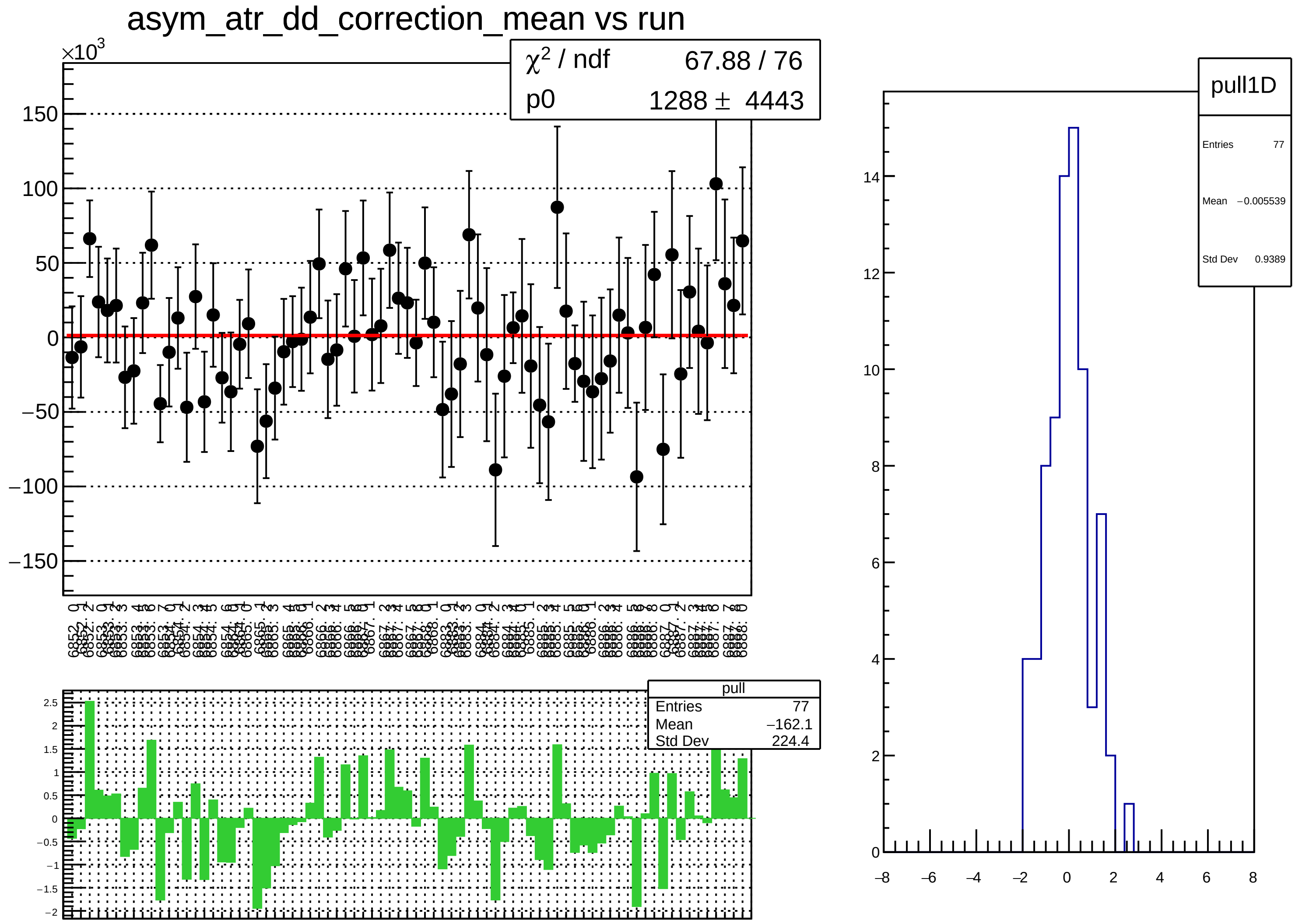
asym_atr_avg_mean vs run
$\times 10^3$
$\chi^2$ / ndf 76.39 / 76
p0 2582 ± 5231
pull
Entries 77
Mean 52.01
Std Dev 55.48
pull1D
Entries 77
Mean −0.01653
Std Dev 0.9959


asym_atr_avg_rms vs run
χ2 / ndf 3.813e+04 / 76
p0 4643 ± 3.699
6500
6000
5500
5000
4500
4000

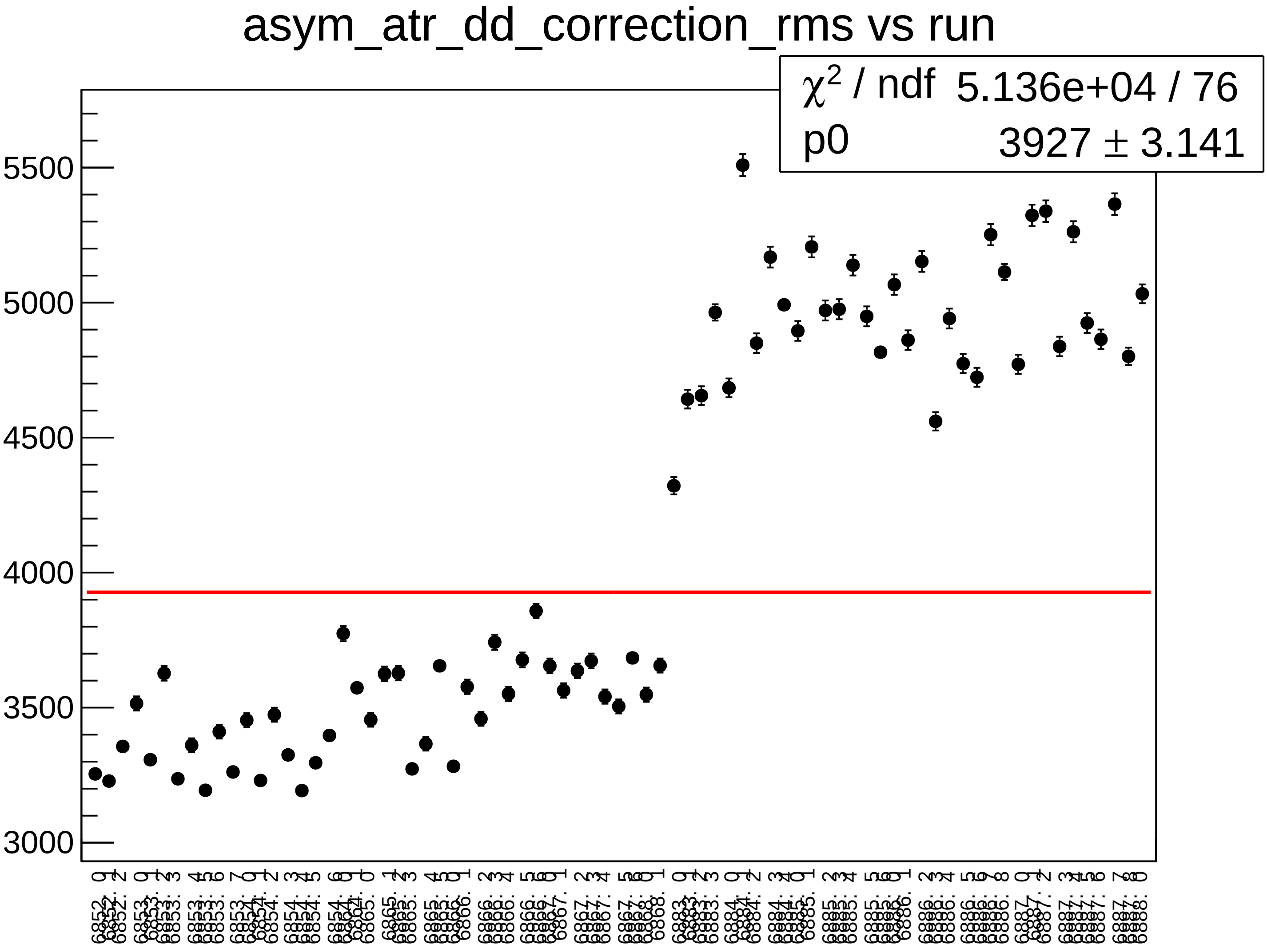


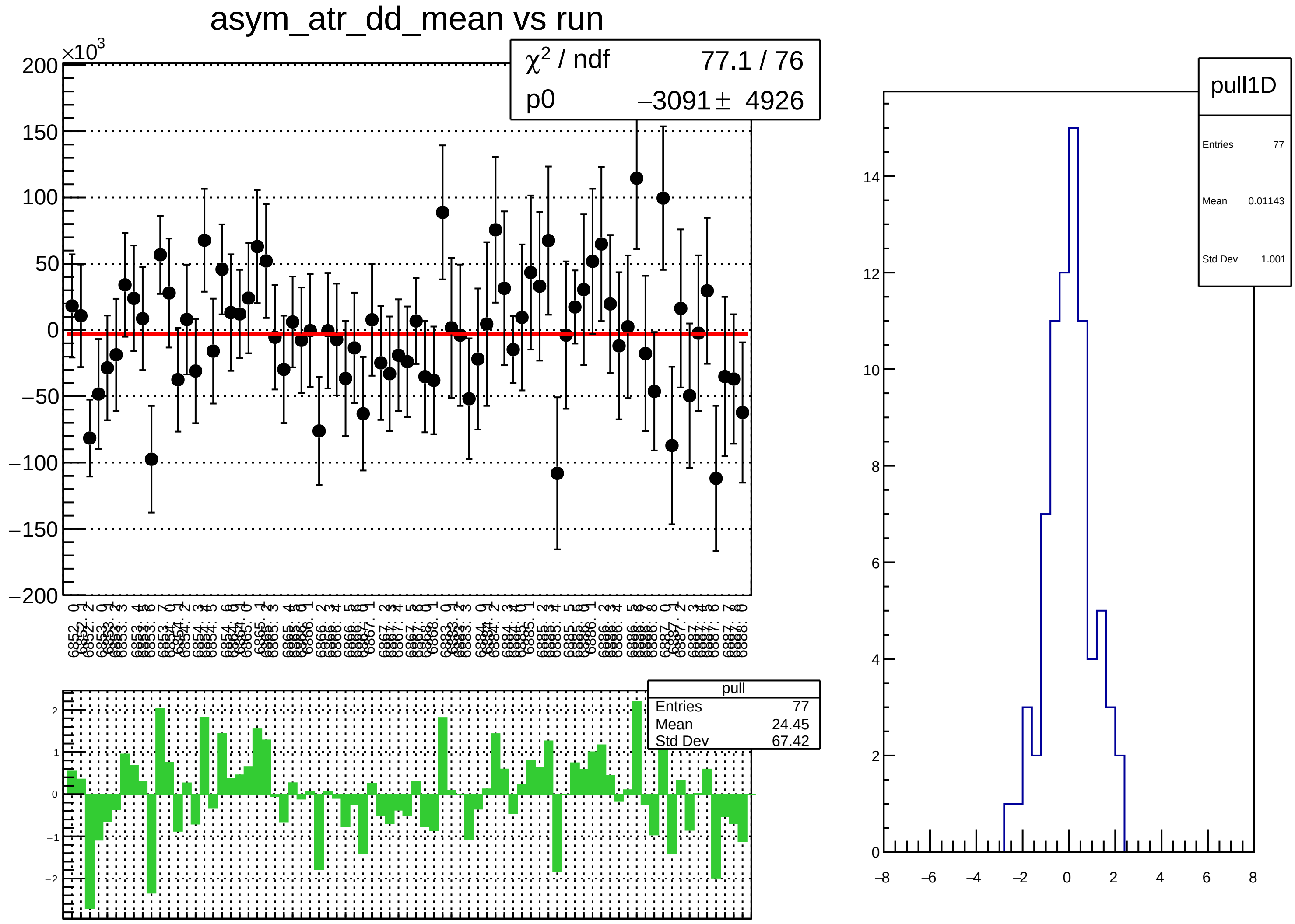
dit_asym_atr_dd_mean vs run
$\chi^2$ / ndf 72.52 / 76
p0 −1331 ± 2069
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 430.1
Std Dev 391.9
pull1D
Entries 77
Mean 0.005629
Std Dev 0.9704


dit_asym_atr_dd_rms vs run
$\chi^2$ / ndf 223.2 / 76
p0 1859 ± 1.463
2000
1950
1900
1850
1800

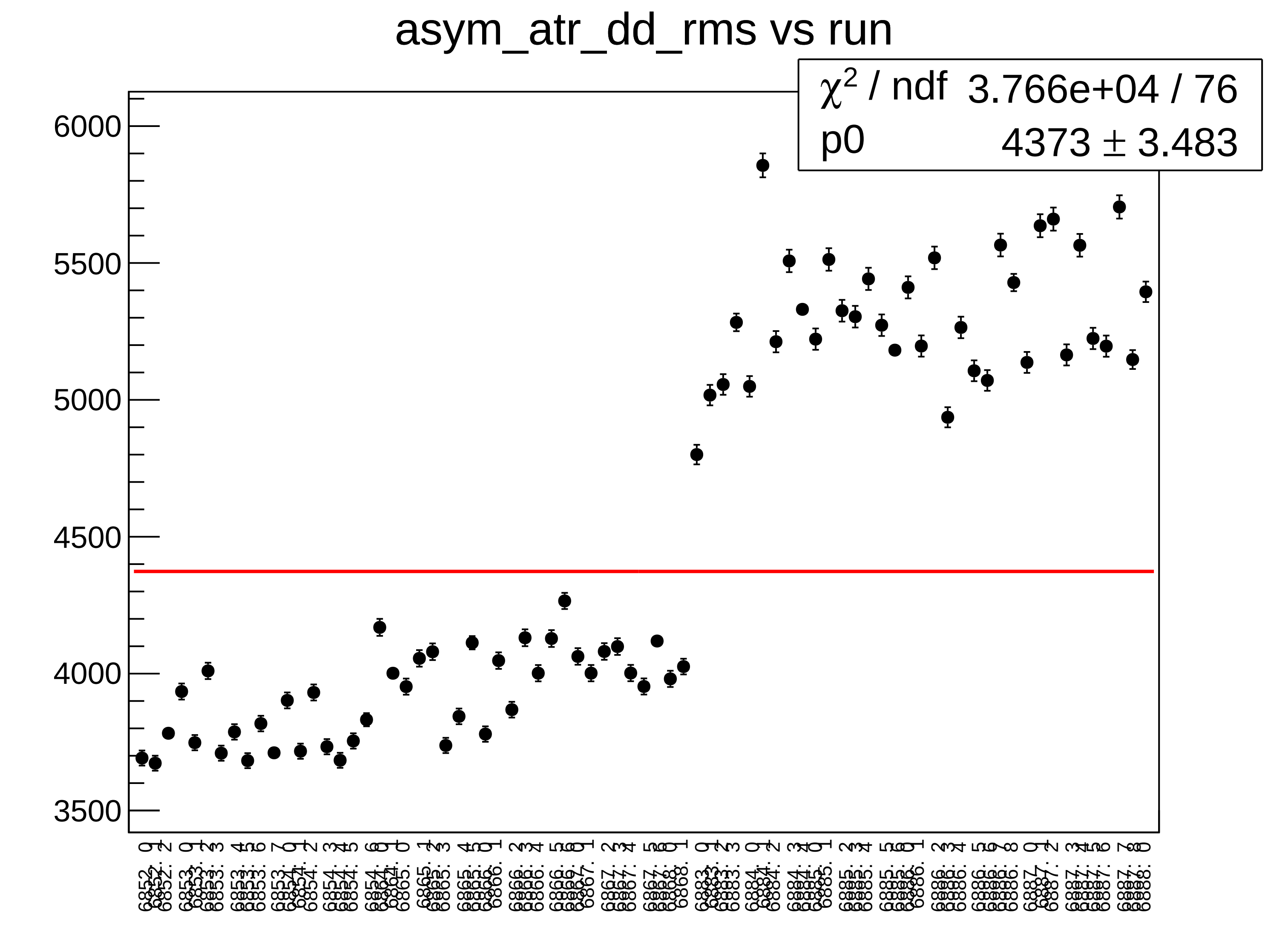


asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 67.88 / 76
p0 1288 ± 4443
pull
Entries 77
Mean −162.1
Std Dev 224.4
pull1D
Entries 77
Mean −0.005539
Std Dev 0.9389

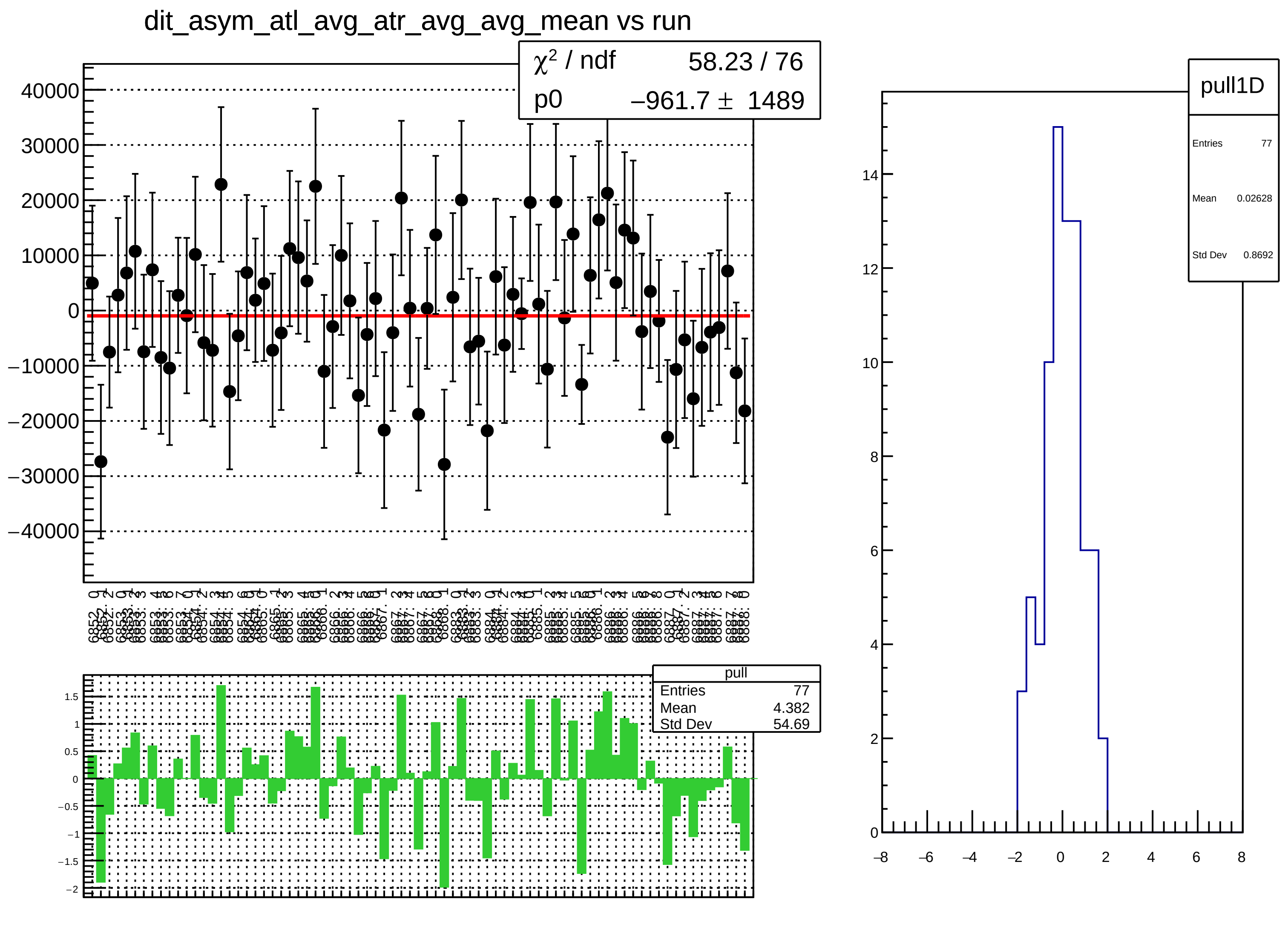

asym_atr_dd_correction_rms vs run
$\chi^2$ / ndf 5.136e+04 / 76
p0 3927 ± 3.141
5500
5000
4500
4000
3500
3000

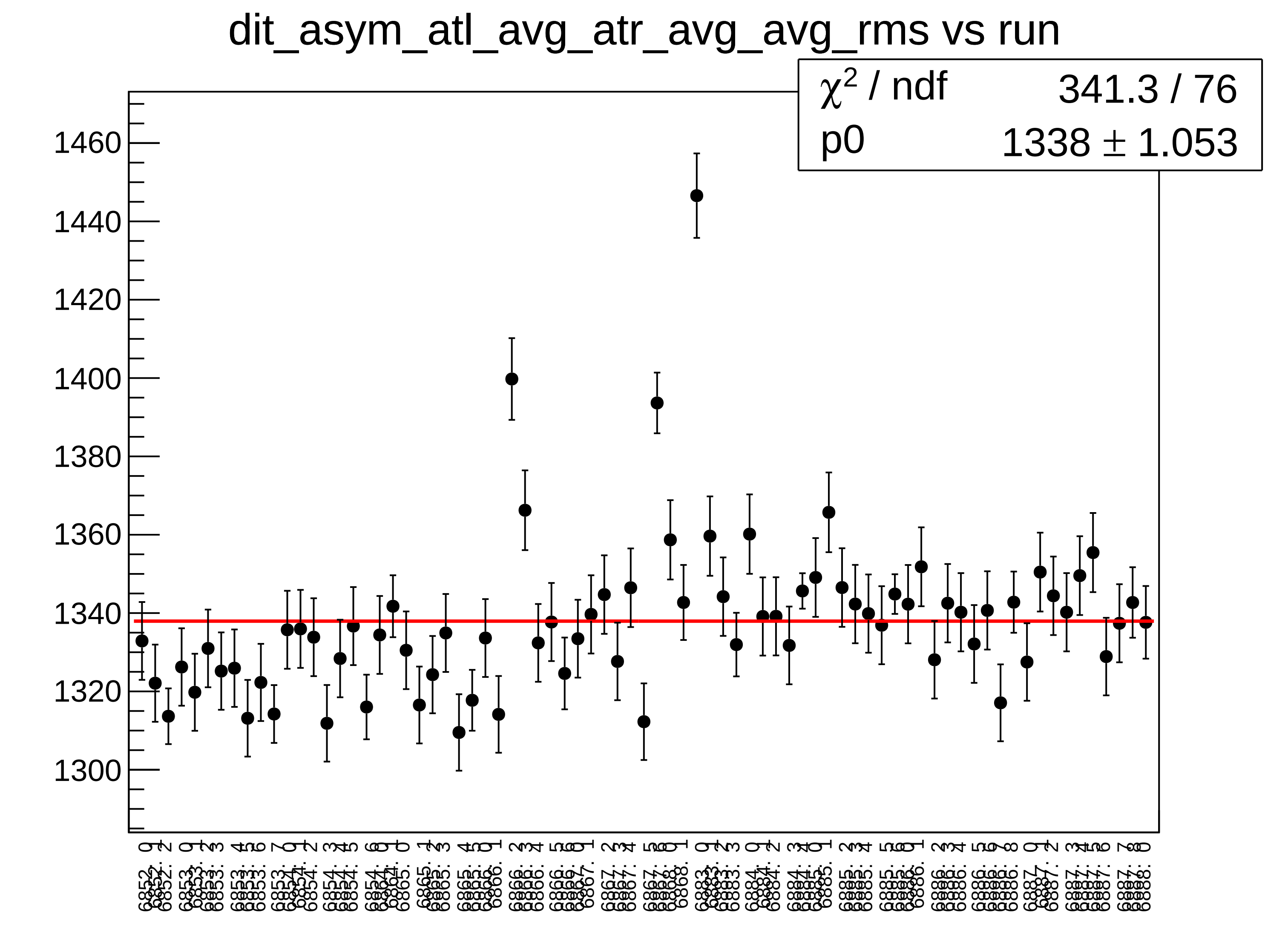


asym_atr_dd_mean vs run
×10^3
χ2 / ndf 77.1 / 76
p0 −3091 ± 4926
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 77
Mean 24.45
Std Dev 67.42
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.01143
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

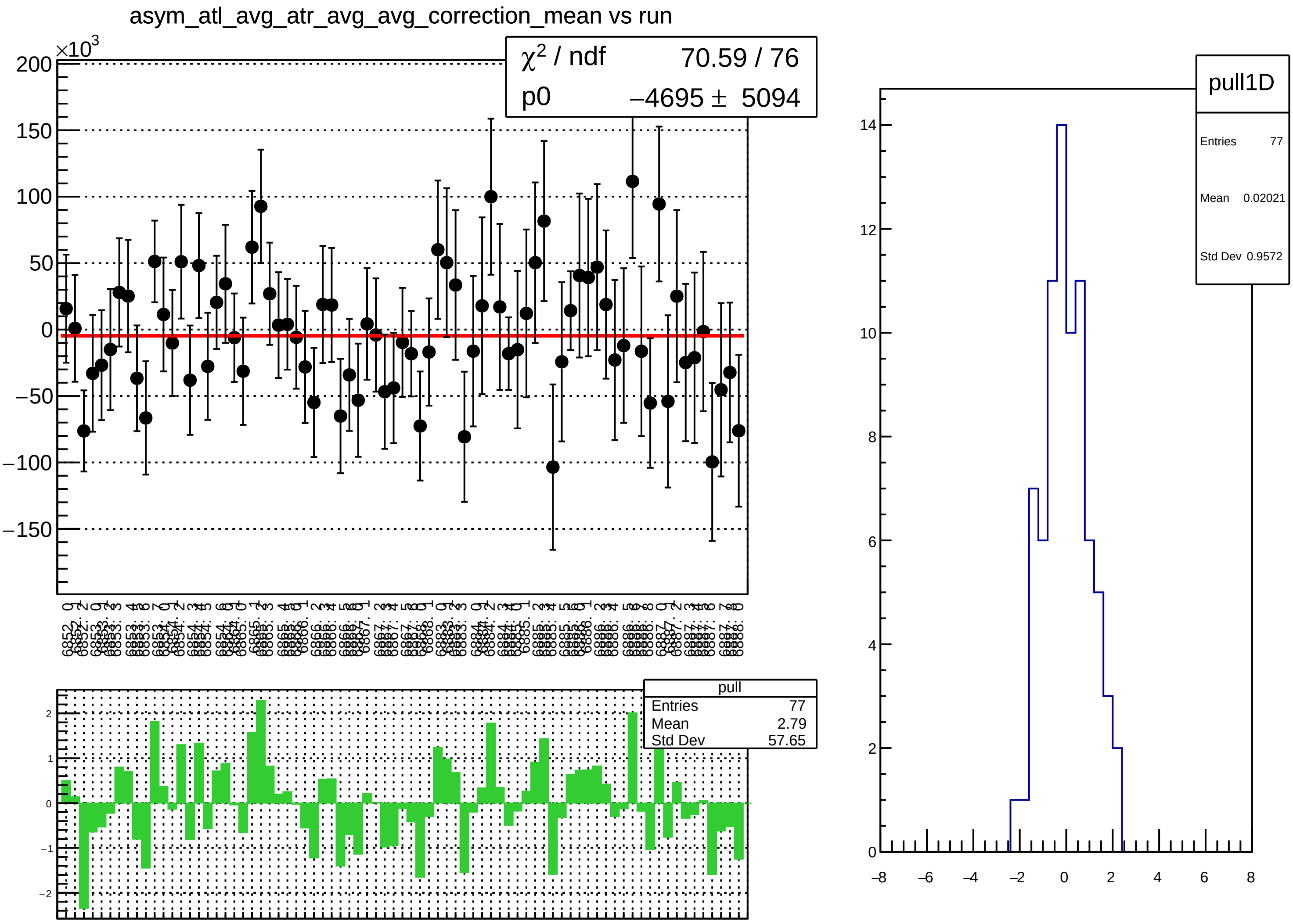


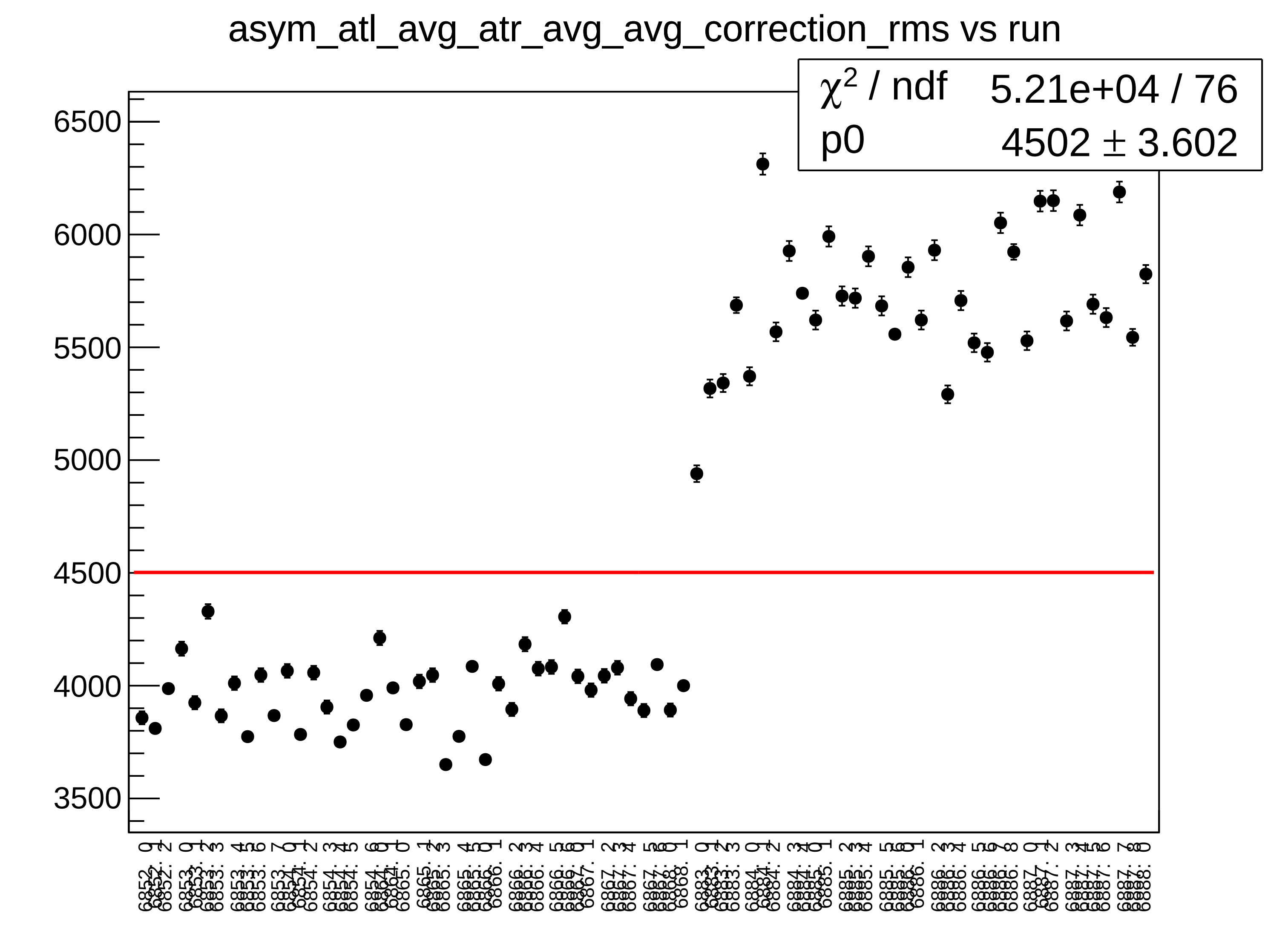
asym_atr_dd_rms vs run
$\chi^2$ / ndf 3.766e+04 / 76
p0 4373 ± 3.483
6000
5500
5000
4500
4000
3500

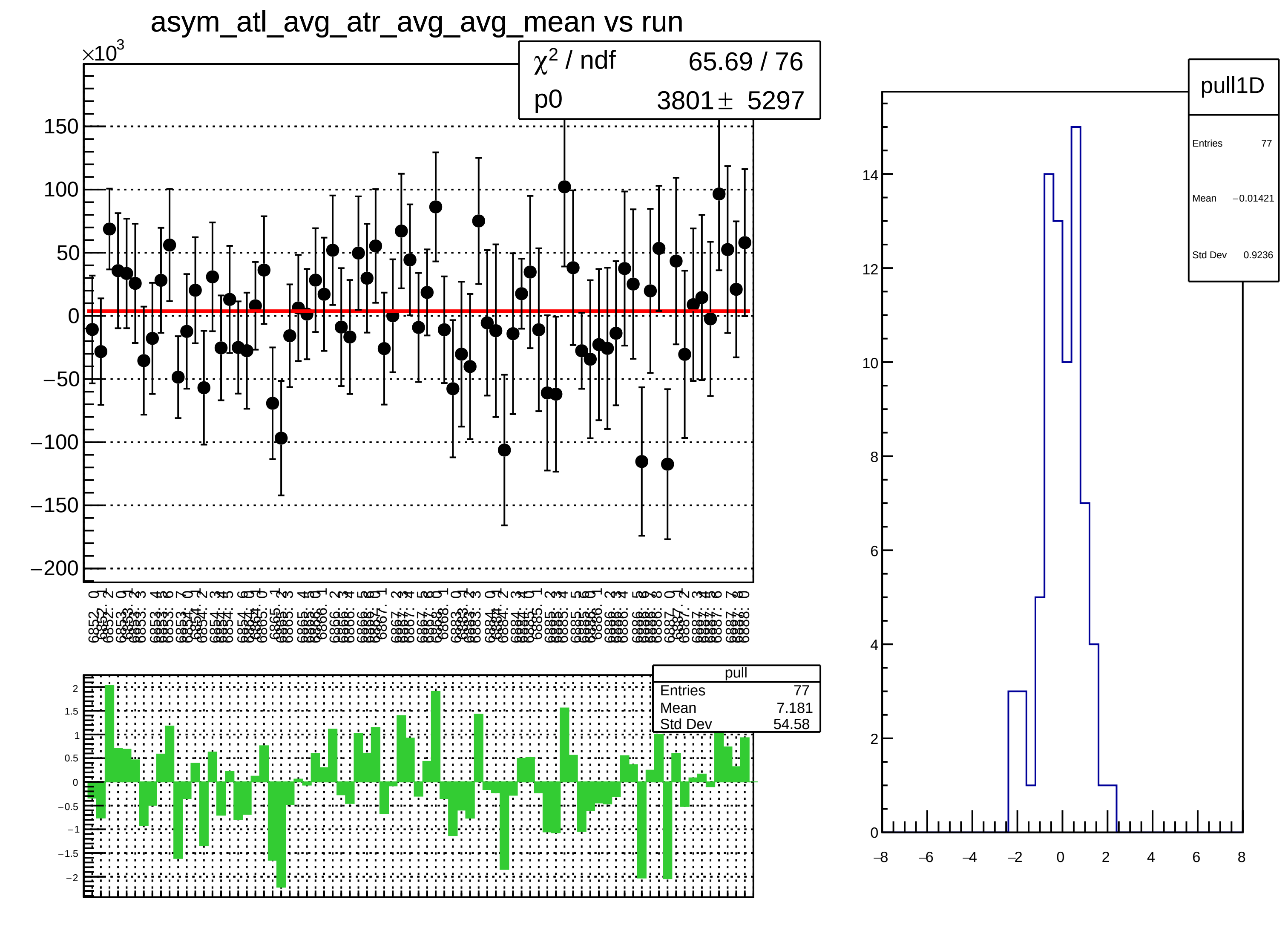

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ2 / ndf 58.23 / 76
p0 −961.7 ± 1489
pull
Entries 77
Mean 4.382
Std Dev 54.69
pull1D
Entries 77
Mean 0.02628
Std Dev 0.8692



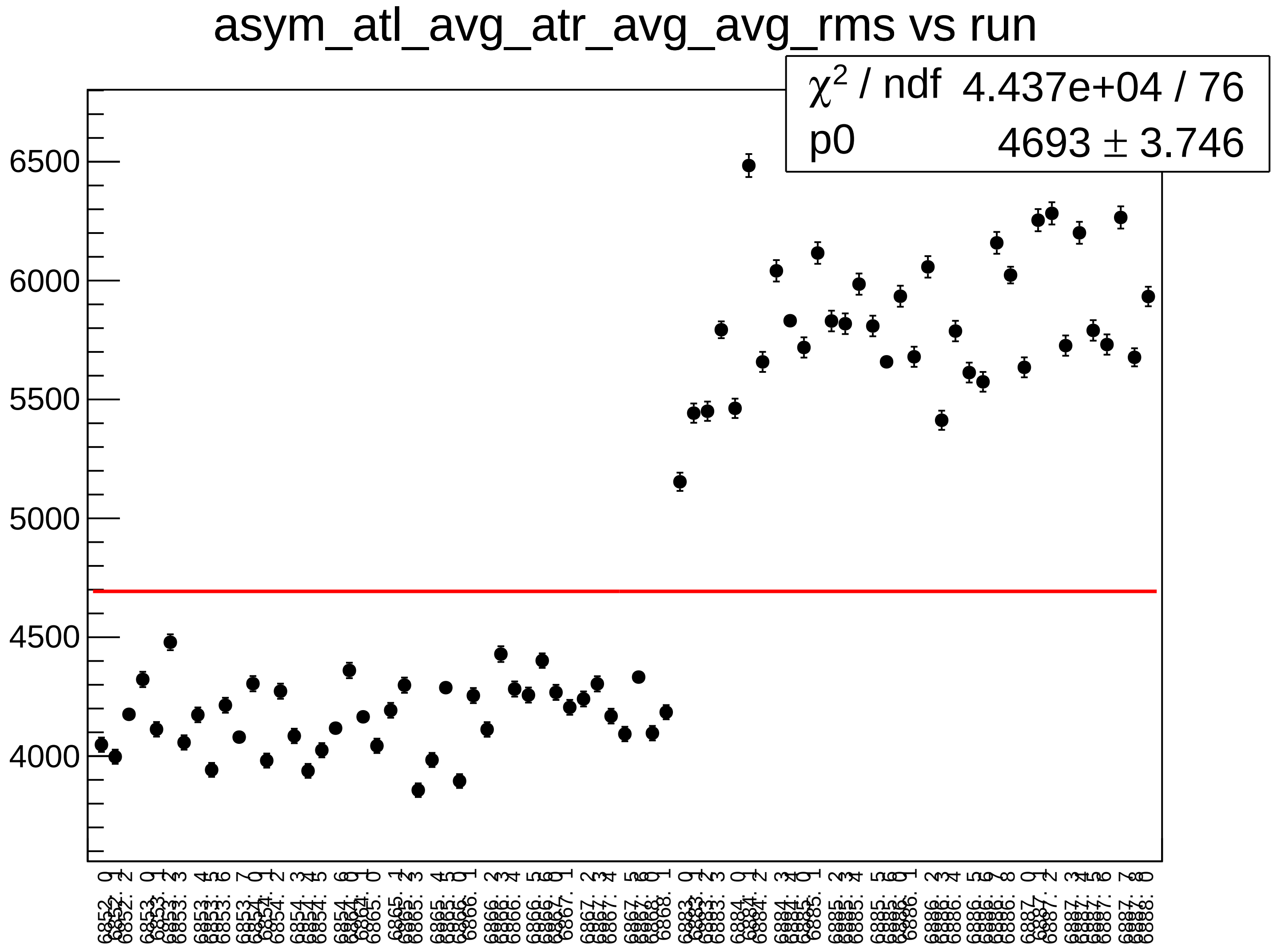
dit_asym_atl_avg_atr_avg_avg_rms vs run
$\chi^2$ / ndf 341.3 / 76
p0 1338 ± 1.053
1460
1440
1420
1400
1380
1360
1340
1320
1300

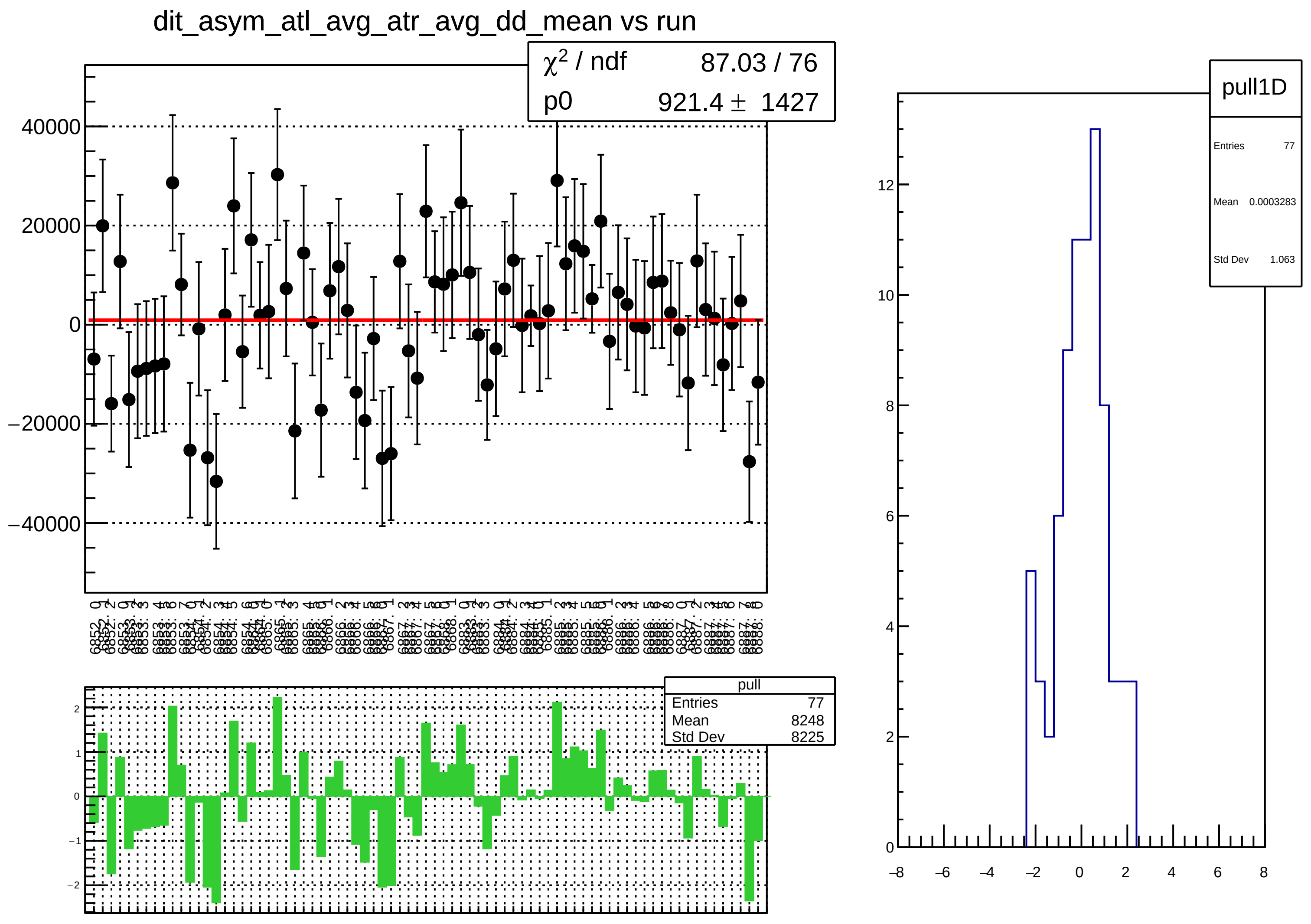

asym_atl_avg_atr_avg_avg_correction_mean vs run
$\chi^2$ / ndf 70.59 / 76
p0 −4695 ± 5094
pull
Entries 77
Mean 2.79
Std Dev 57.65
pull1D
Entries 77
Mean 0.02021
Std Dev 0.9572

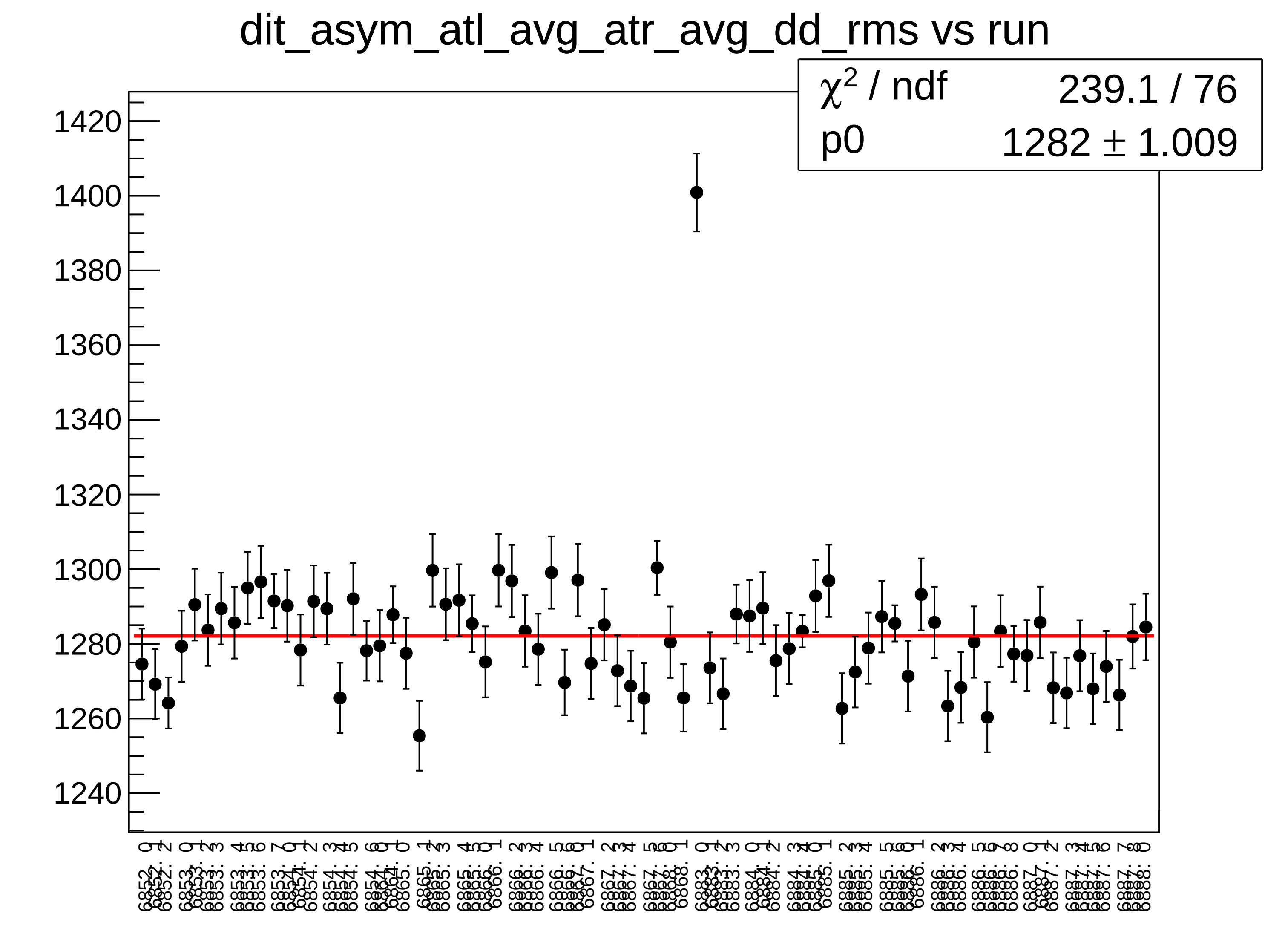

asym_atl_avg_atr_avg_avg_correction_rms vs run
$\chi^2$ / ndf 5.21e+04 / 76
p0 4502 ± 3.602
6500
6000
5500
5000
4500
4000
3500



asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 65.69 / 76
p0 3801 ± 5297
pull
Entries 77
Mean 7.181
Std Dev 54.58
pull1D
Entries 77
Mean −0.01421
Std Dev 0.9236

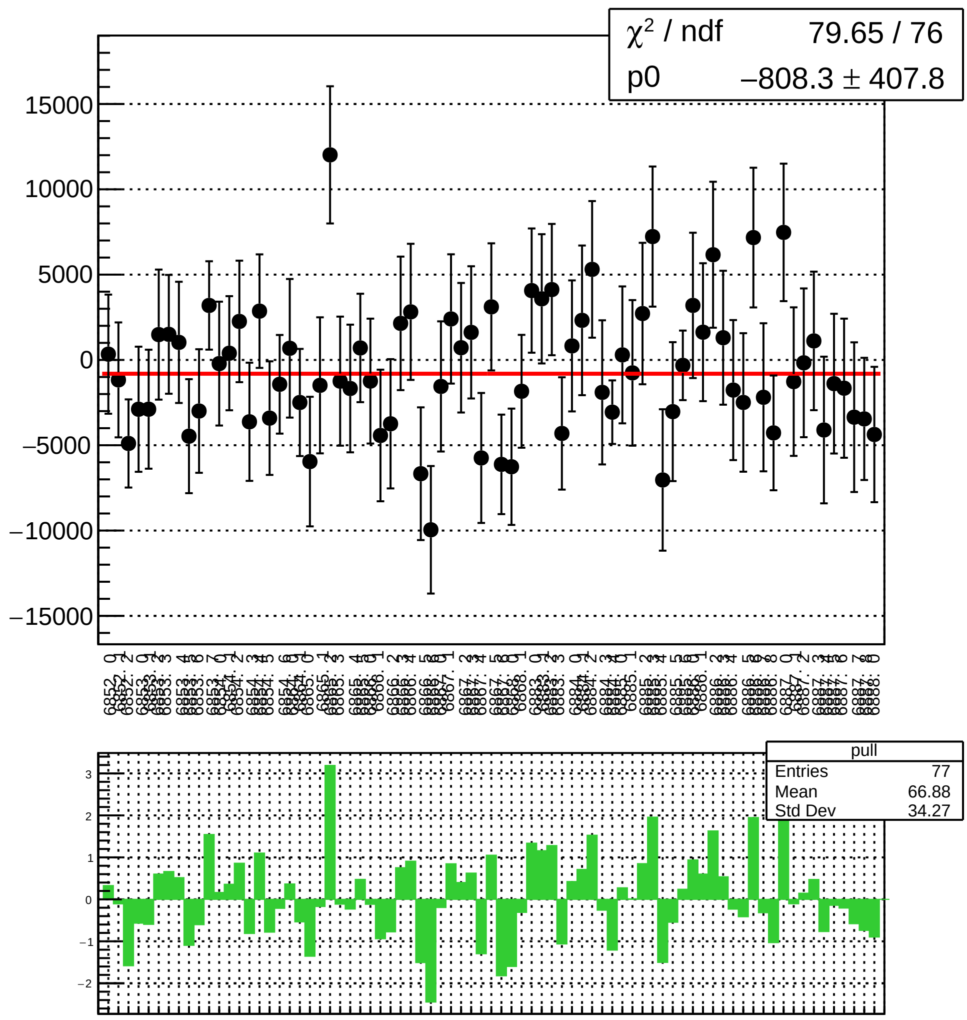

asym_atl_avg_atr_avg_avg_rms vs run
$\chi^2$ / ndf 4.437e+04 / 76
p0 4693 ± 3.746
6500
6000
5500
5000
4500
4000

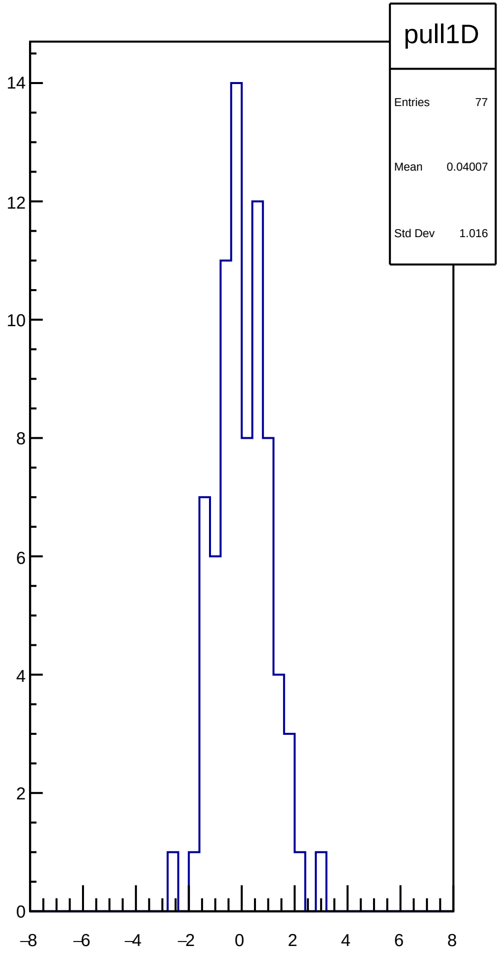

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ2 / ndf 87.03 / 76
p0 921.4 ± 1427
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 8248
Std Dev 8225
pull1D
Entries 77
Mean 0.0003283
Std Dev 1.063

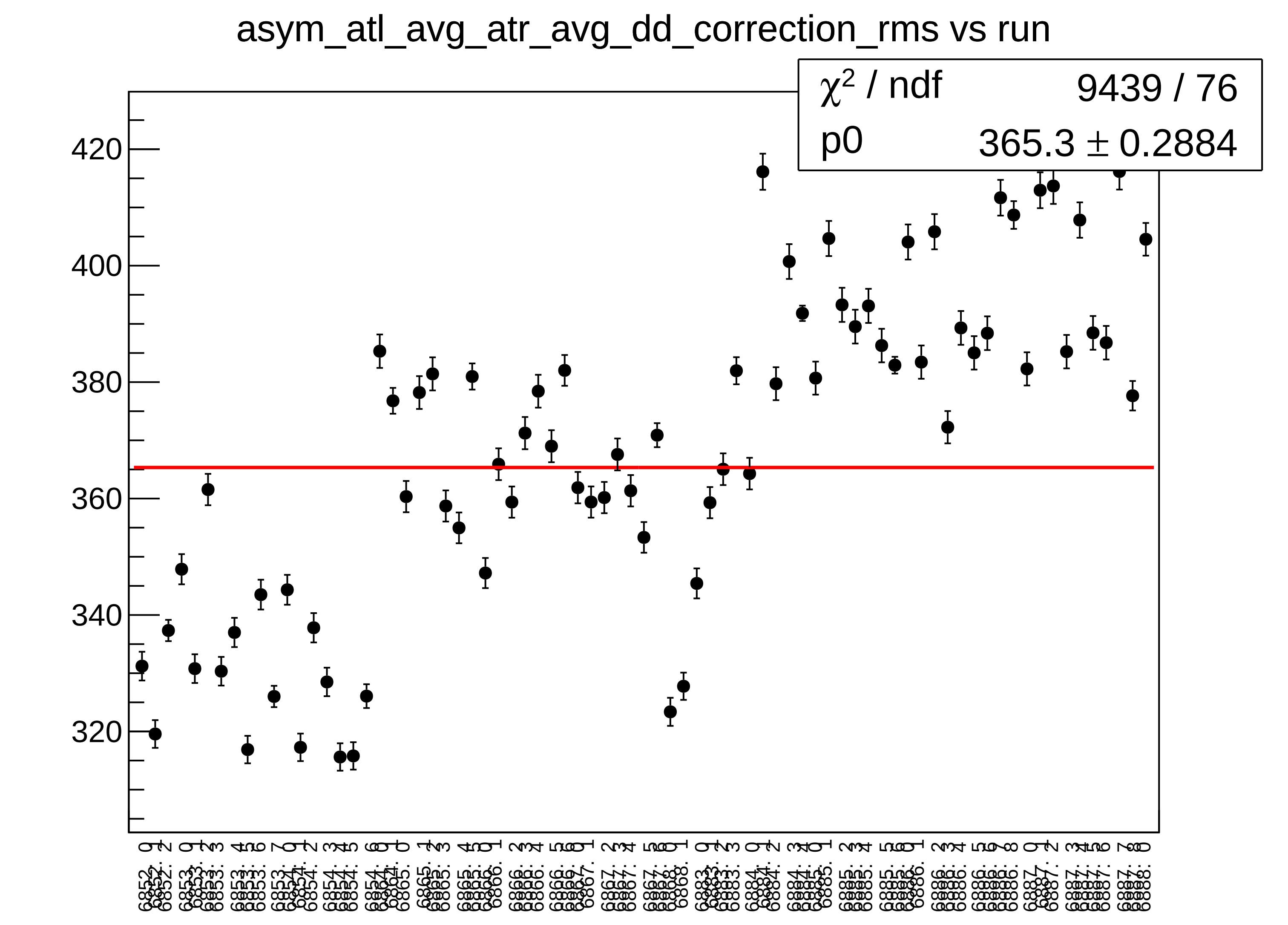


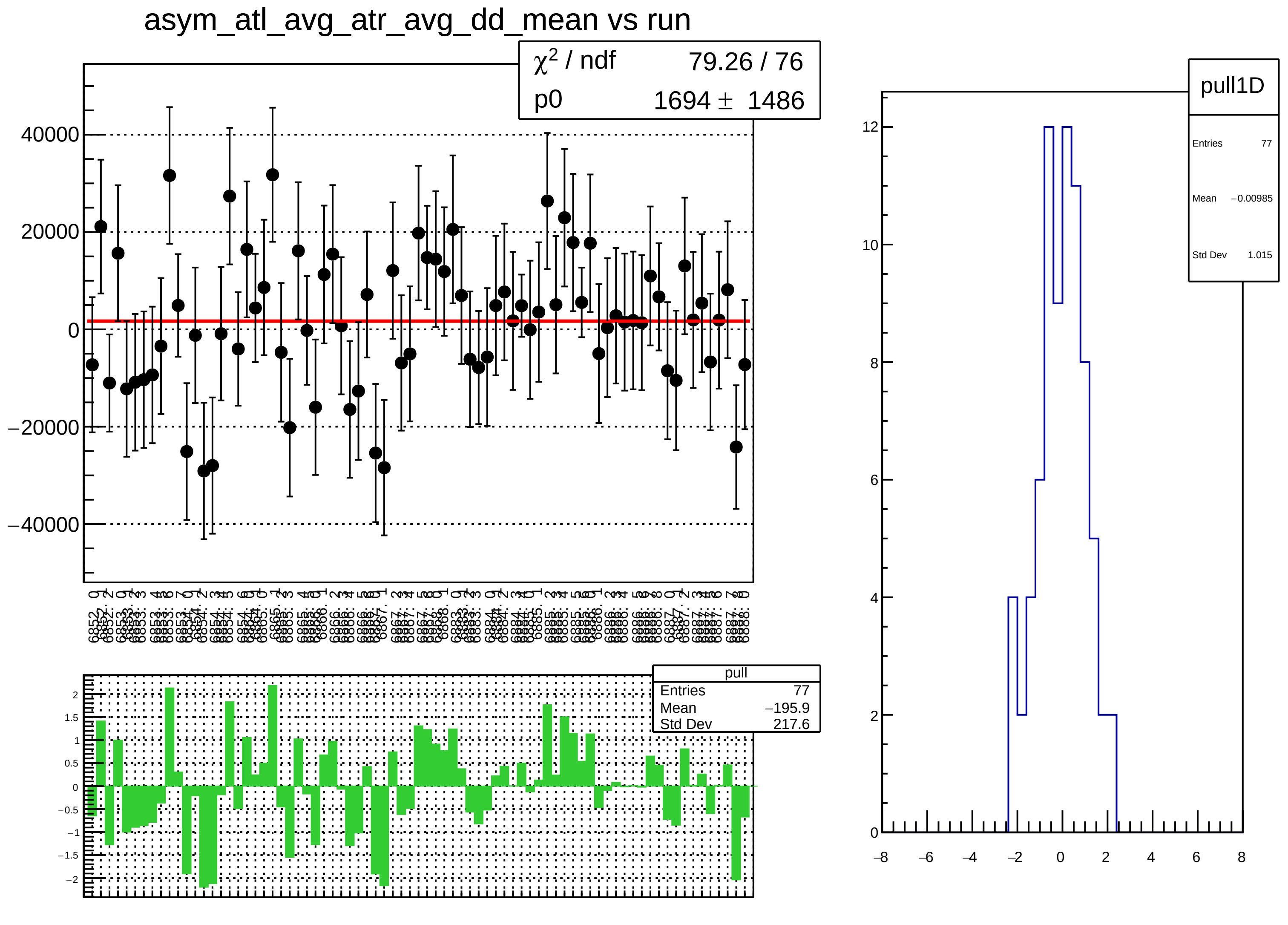
dit_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 239.1 / 76
p0 1282 ± 1.009
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240

asym_atl_avg_atr_avg_dd_correction_mean vs run

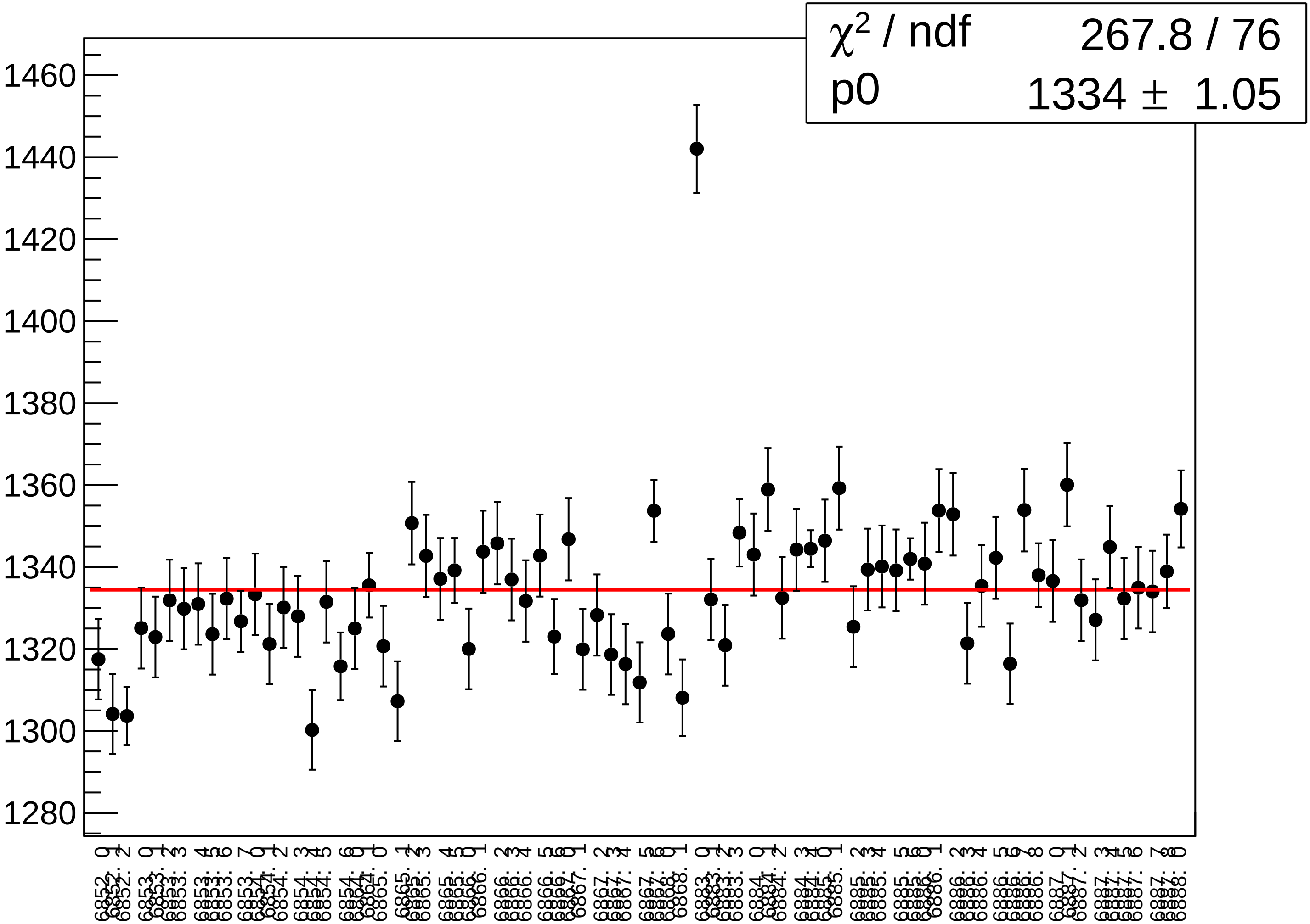


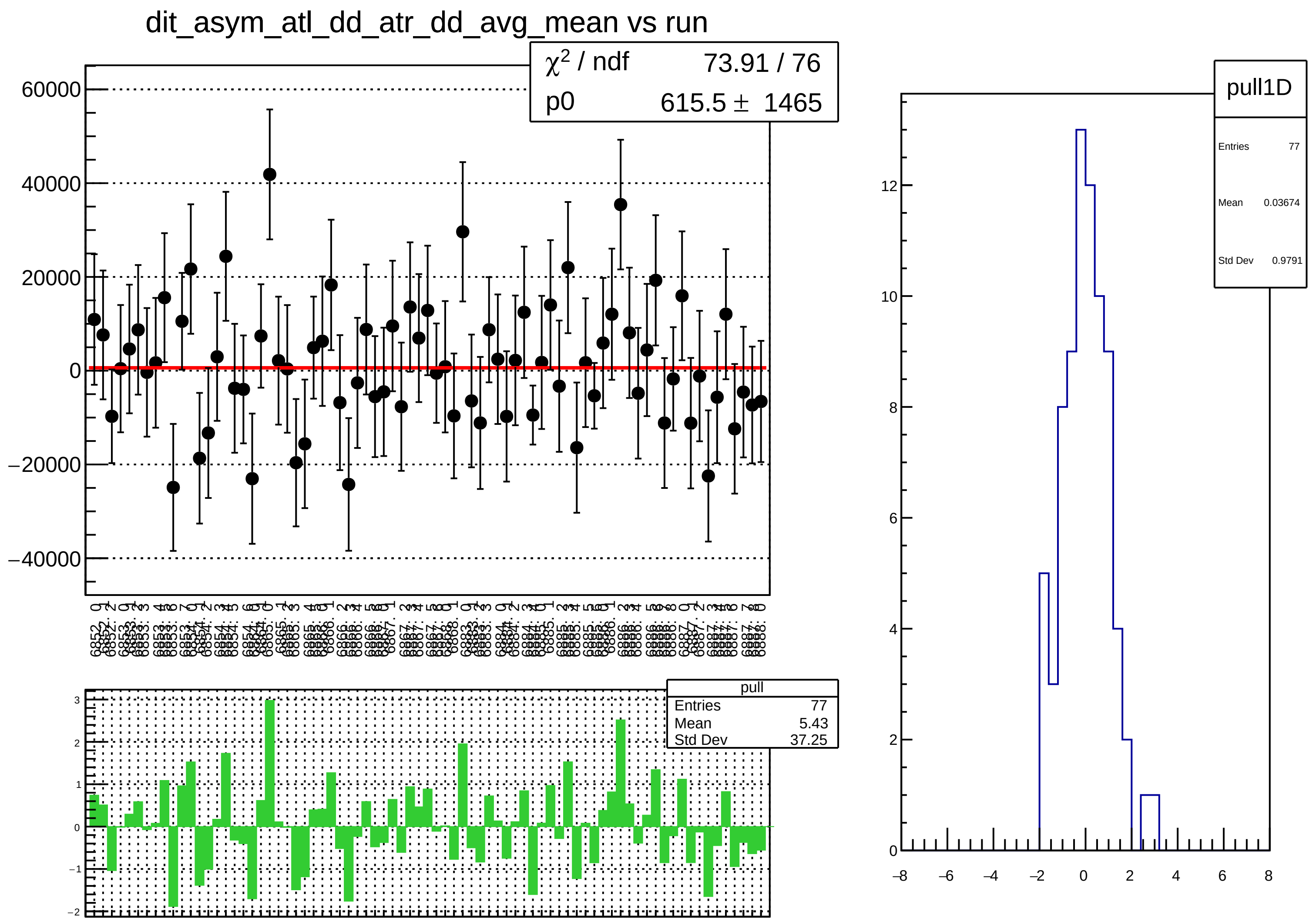

asym_atl_avg_atr_avg_dd_correction_rms vs run
$\chi^2$ / ndf 9439 / 76
p0 365.3 ± 0.2884
420
400
380
360
340
320



asym_atl_avg_atr_avg_dd_mean vs run
χ2 / ndf 79.26 / 76
p0 1694 ± 1486
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −195.9
Std Dev 217.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean −0.00985
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

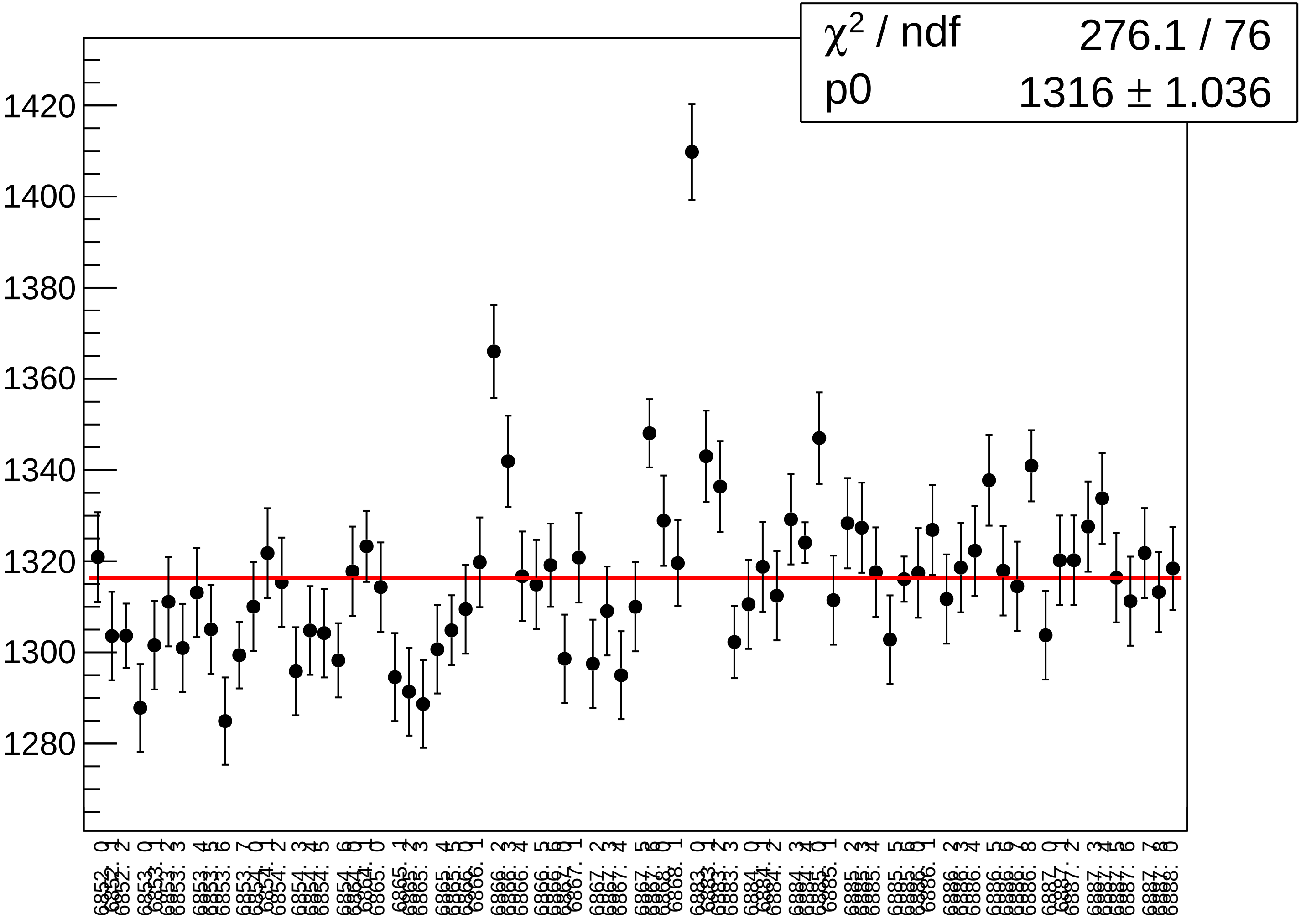


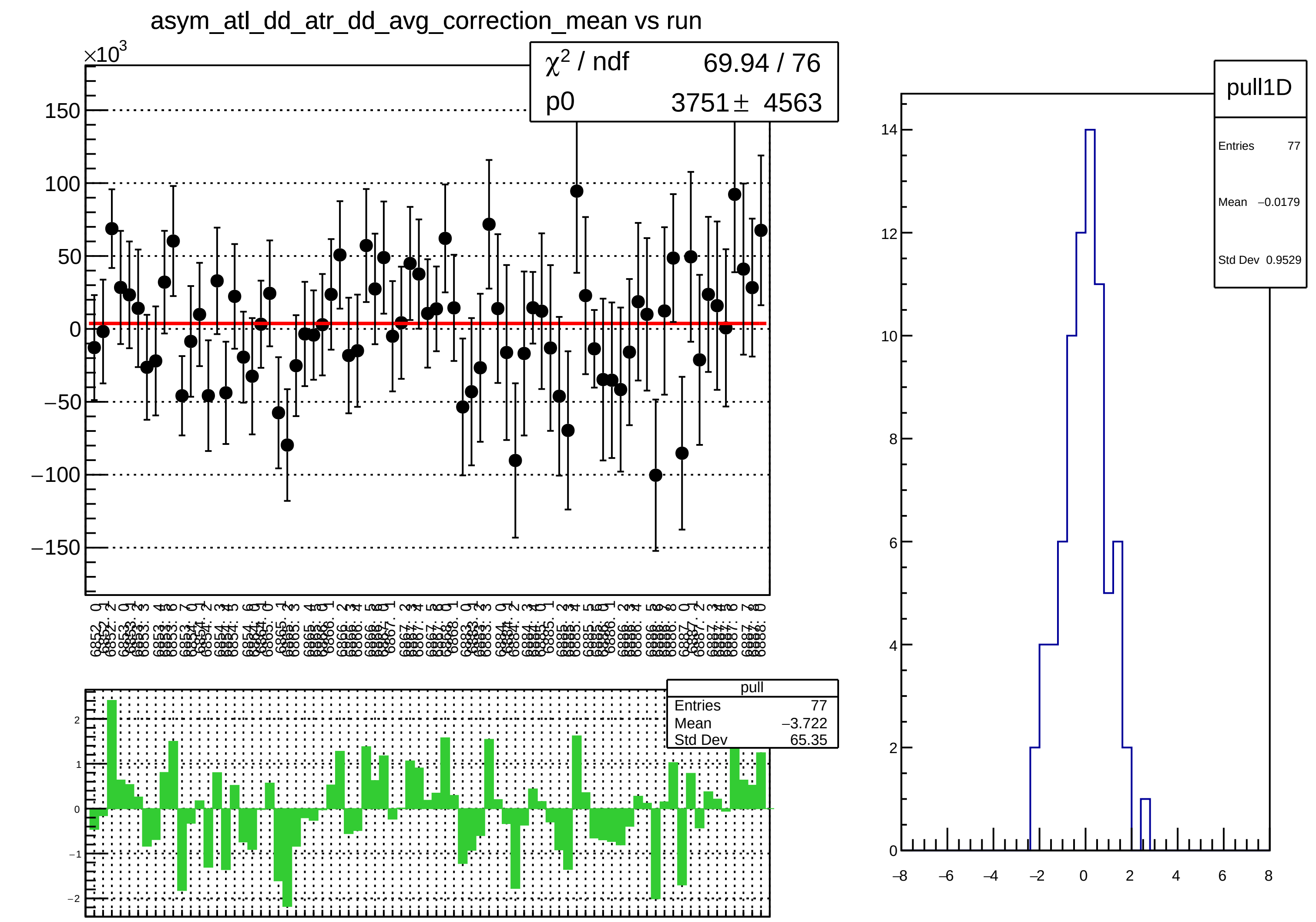
asym_atl_avg_atr_avg_dd_rms vs run
$\chi^2$ / ndf 267.8 / 76
p0 1334 ± 1.05
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280



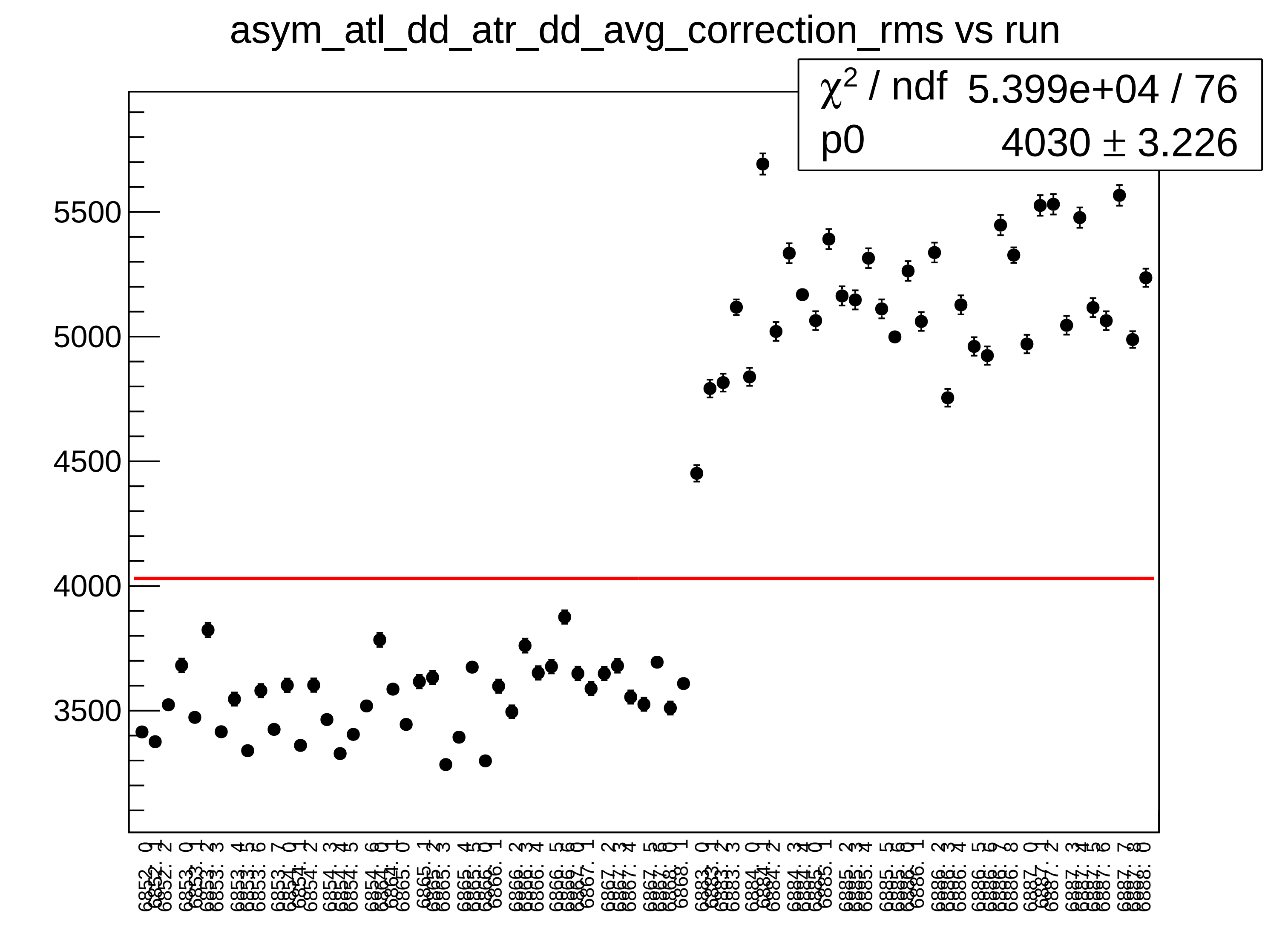
dit_asym_atl_dd_atr_dd_avg_mean vs run
$\chi^2$ / ndf 73.91 / 76
p0 615.5 ± 1465
pull
Entries 77
Mean 5.43
Std Dev 37.25
pull1D
Entries 77
Mean 0.03674
Std Dev 0.9791

# dit_asym_atl_dd_atr_dd_avg_rms vs run

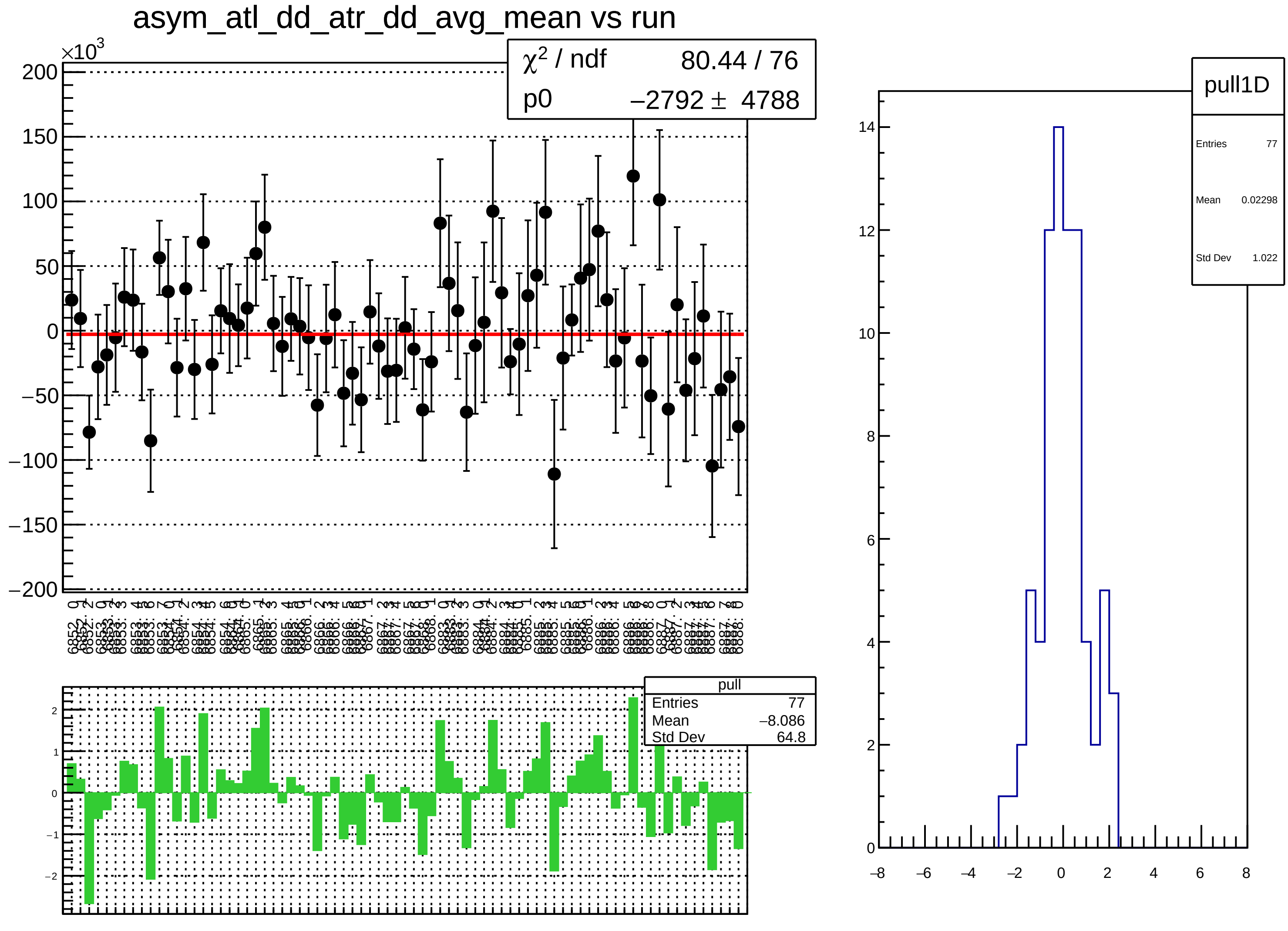


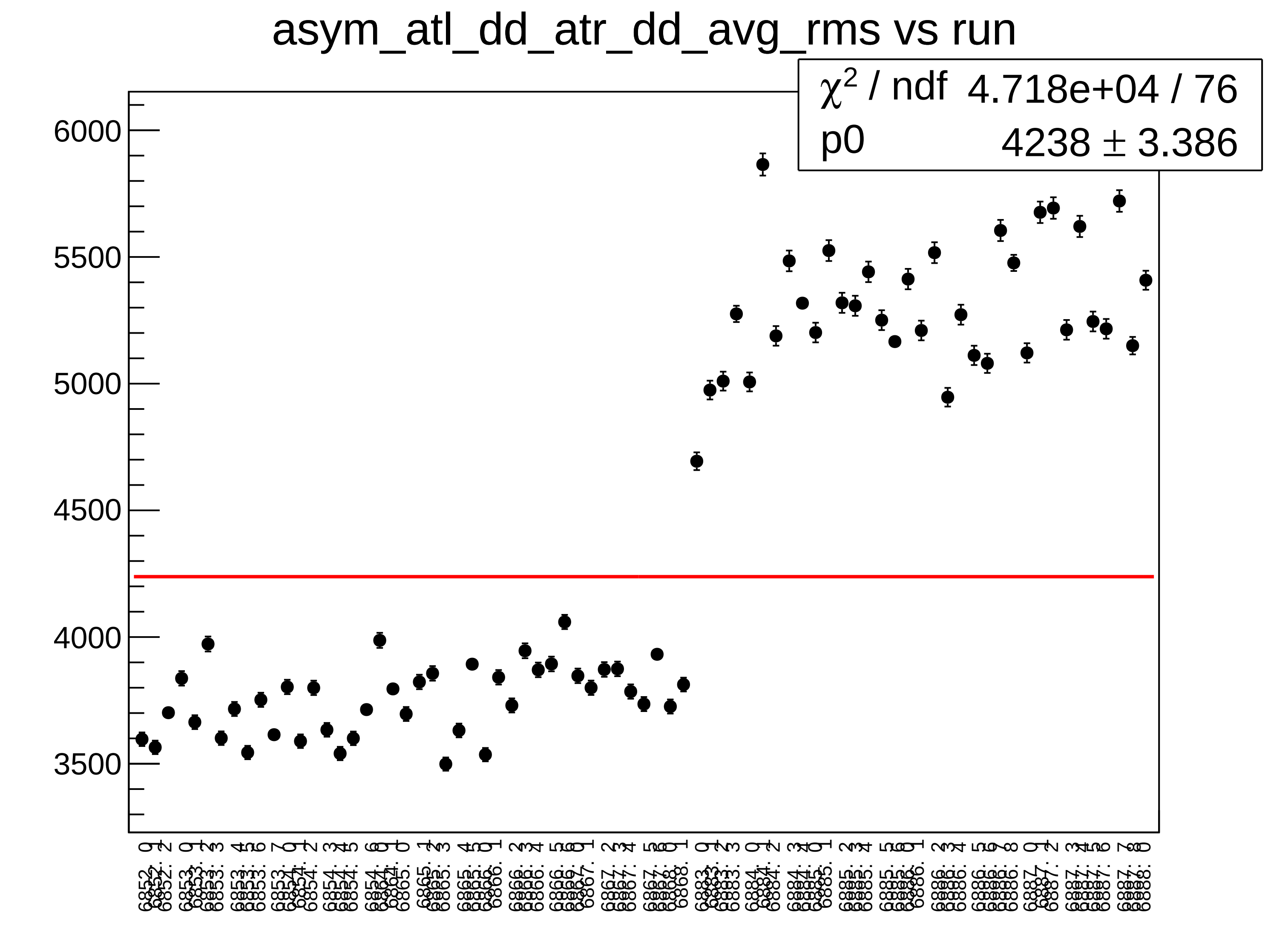


asym_atl_dd_atr_dd_avg_correction_mean vs run
$\times 10^3$
$\chi^2$ / ndf 69.94 / 76
p0 3751 ± 4563
pull
Entries 77
Mean −3.722
Std Dev 65.35
pull1D
Entries 77
Mean −0.0179
Std Dev 0.9529

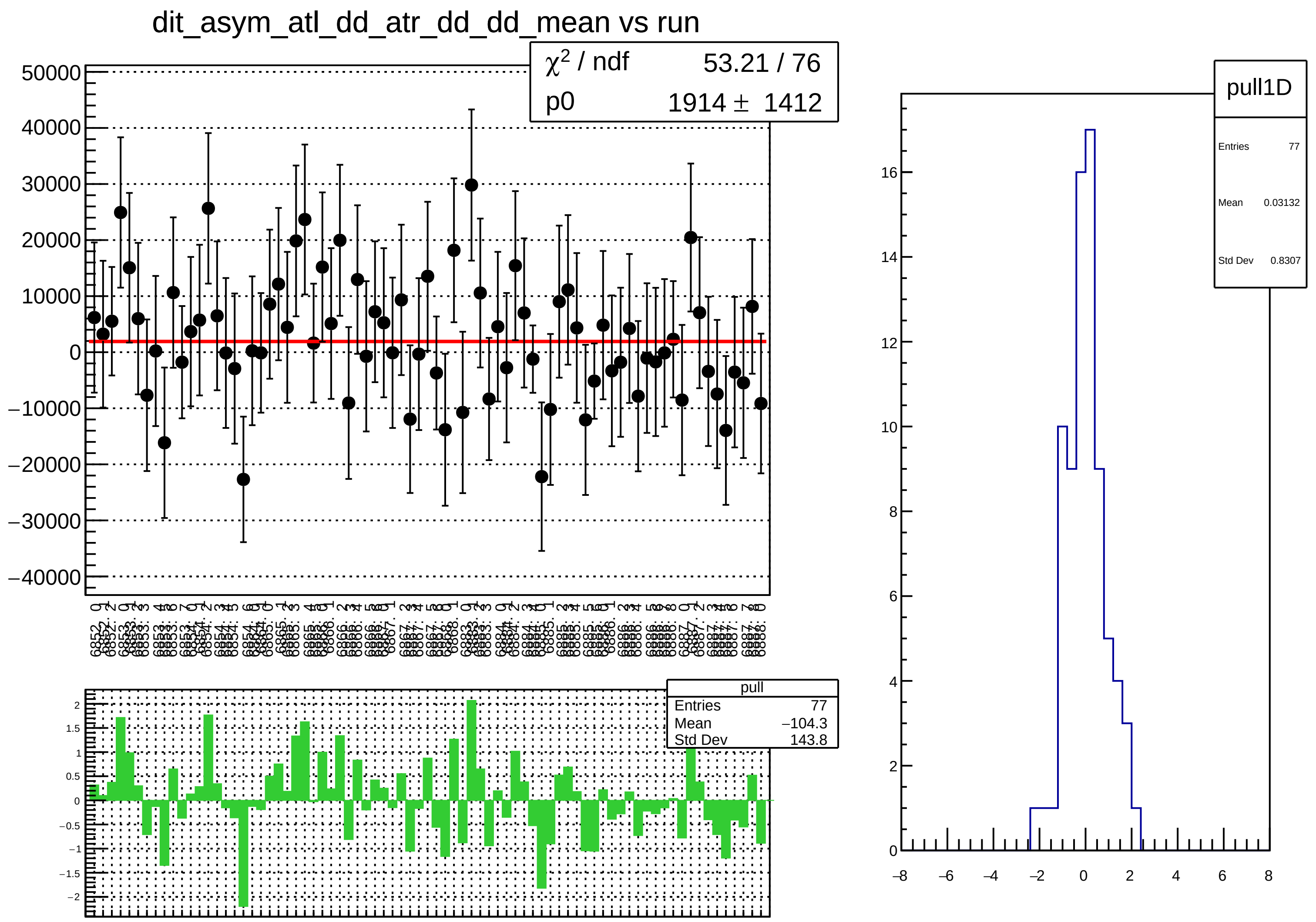


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 5.399e+04 / 76
p0 4030 ± 3.226
5500
5000
4500
4000
3500

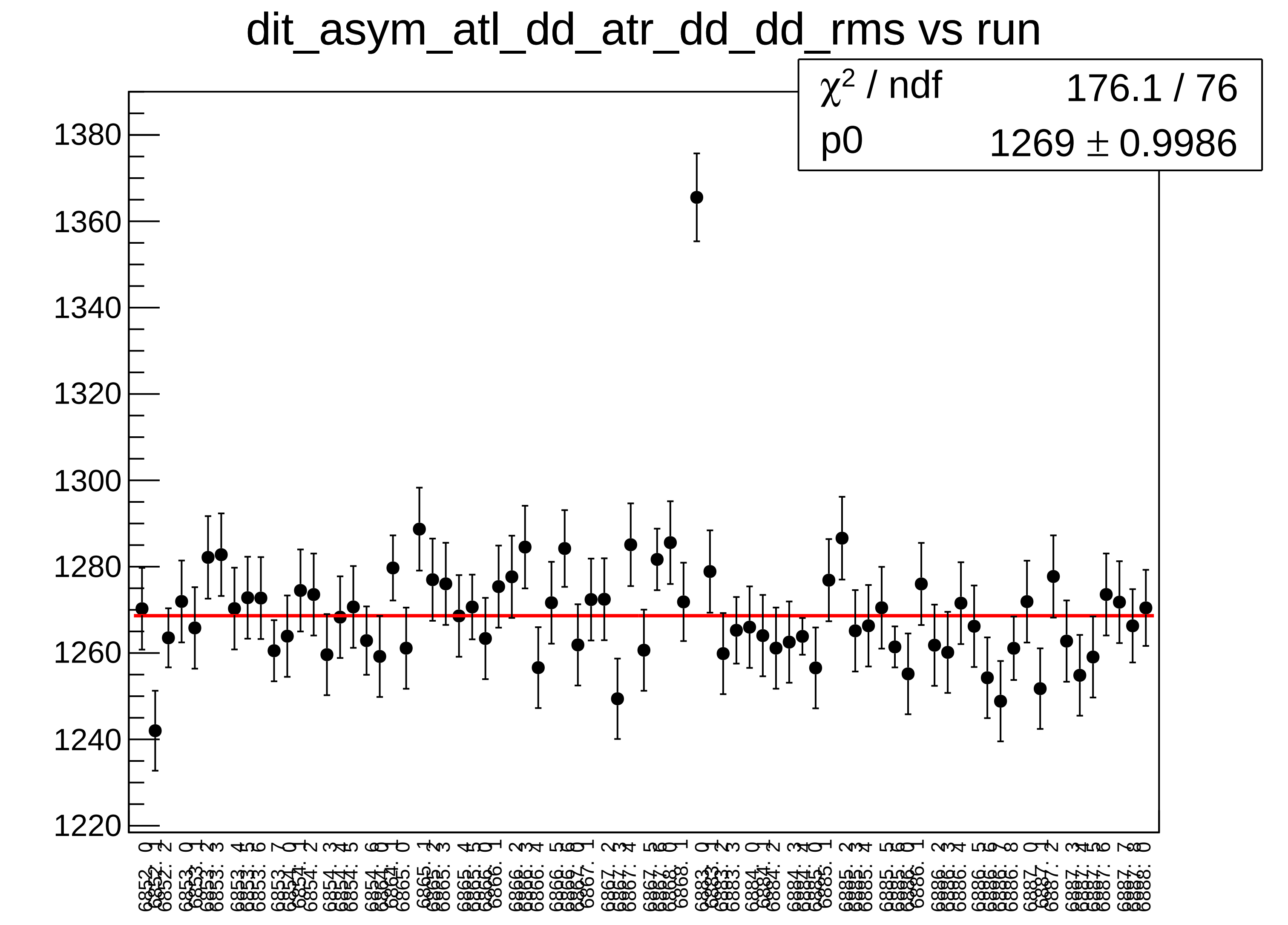

asym_atl_dd_atr_dd_avg_mean vs run
$\times 10^3$
200
150
100
50
0
−50
−100
−150
−200
$\chi^2$ / ndf 80.44 / 76
p0 −2792 ± 4788
pull
Entries 77
Mean −8.086
Std Dev 64.8
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02298
Std Dev 1.022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

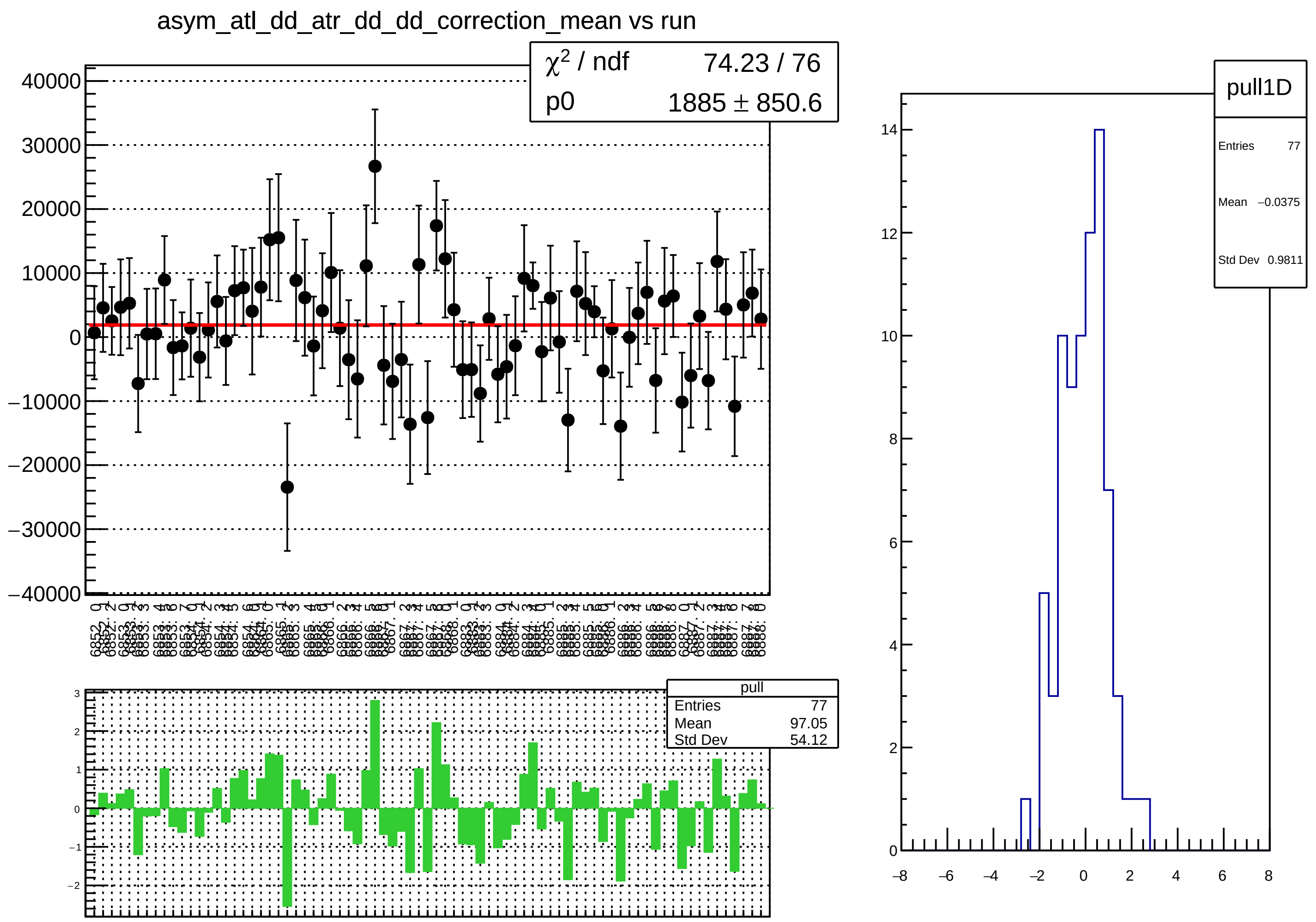


asym_atl_dd_atr_dd_avg_rms vs run
$\chi^2$ / ndf 4.718e+04 / 76
p0 4238 ± 3.386
6000
5500
5000
4500
4000
3500

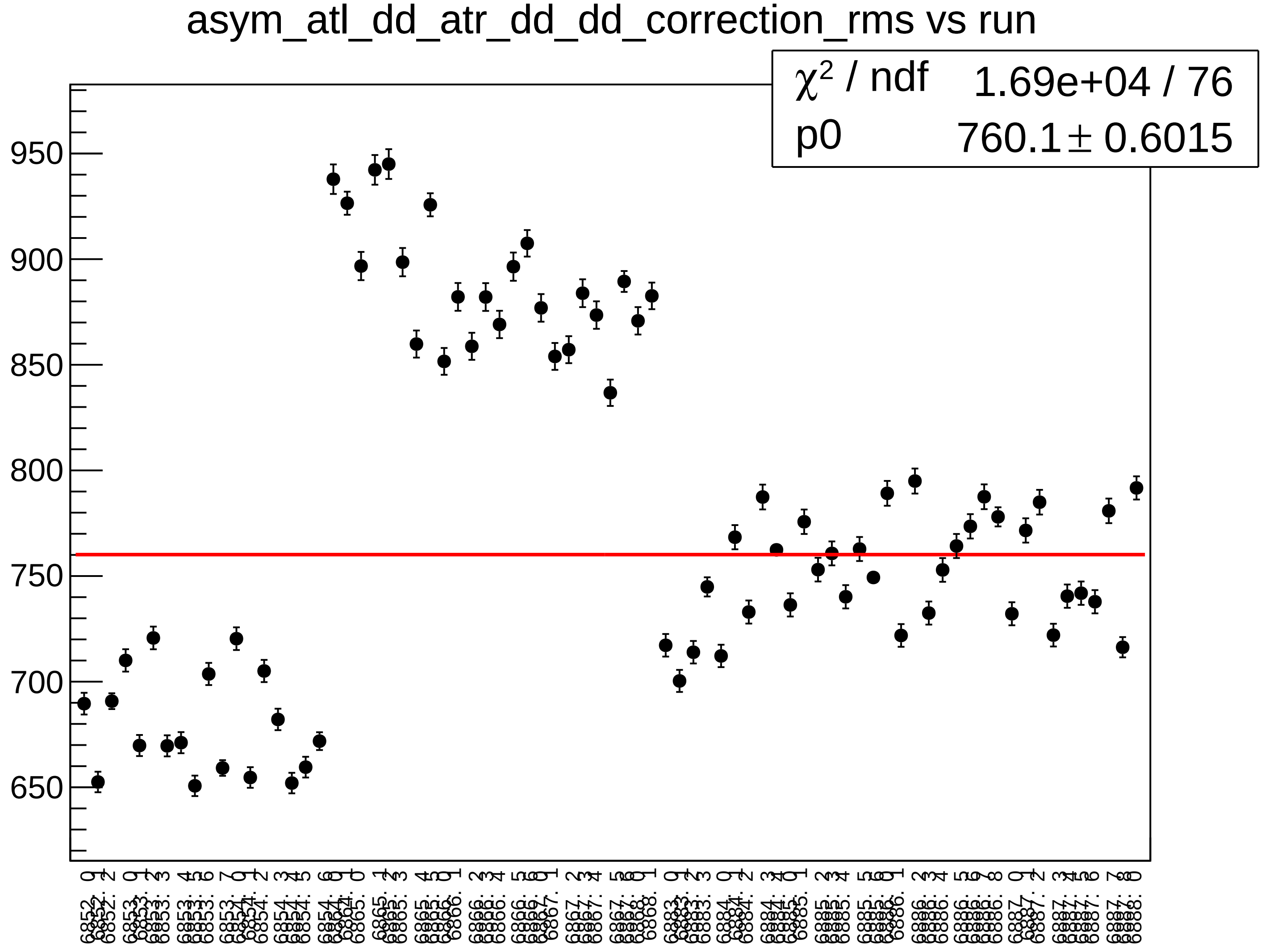


dit_asym_atl_dd_atr_dd_dd_mean vs run
$\chi^2$ / ndf 53.21 / 76
p0 1914 ± 1412
pull
Entries 77
Mean −104.3
Std Dev 143.8
pull1D
Entries 77
Mean 0.03132
Std Dev 0.8307


dit_asym_atl_dd_atr_dd_dd_rms vs run
$\chi^2$ / ndf 176.1 / 76
p0 1269 ± 0.9986
1380
1360
1340
1320
1300
1280
1260
1240
1220

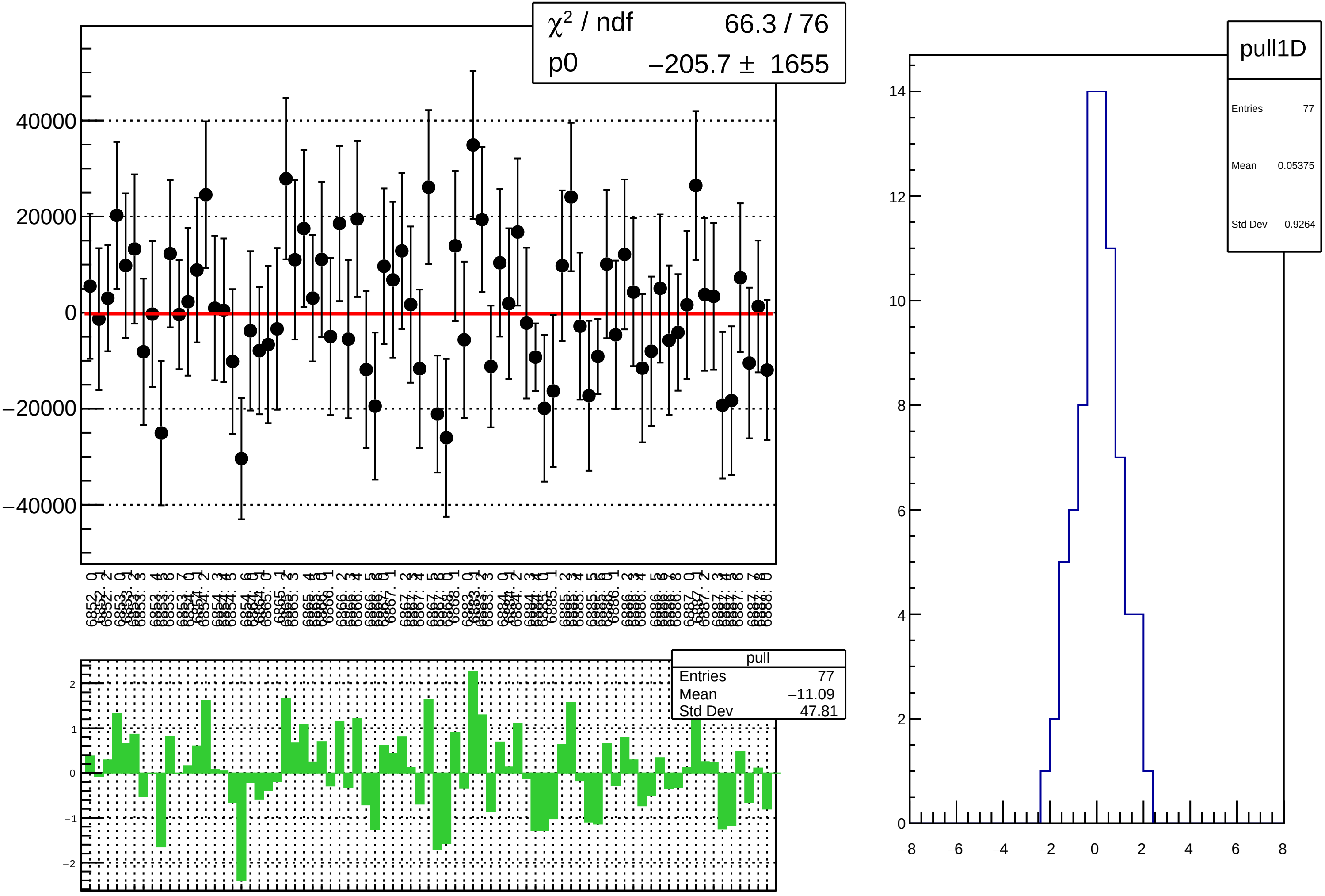


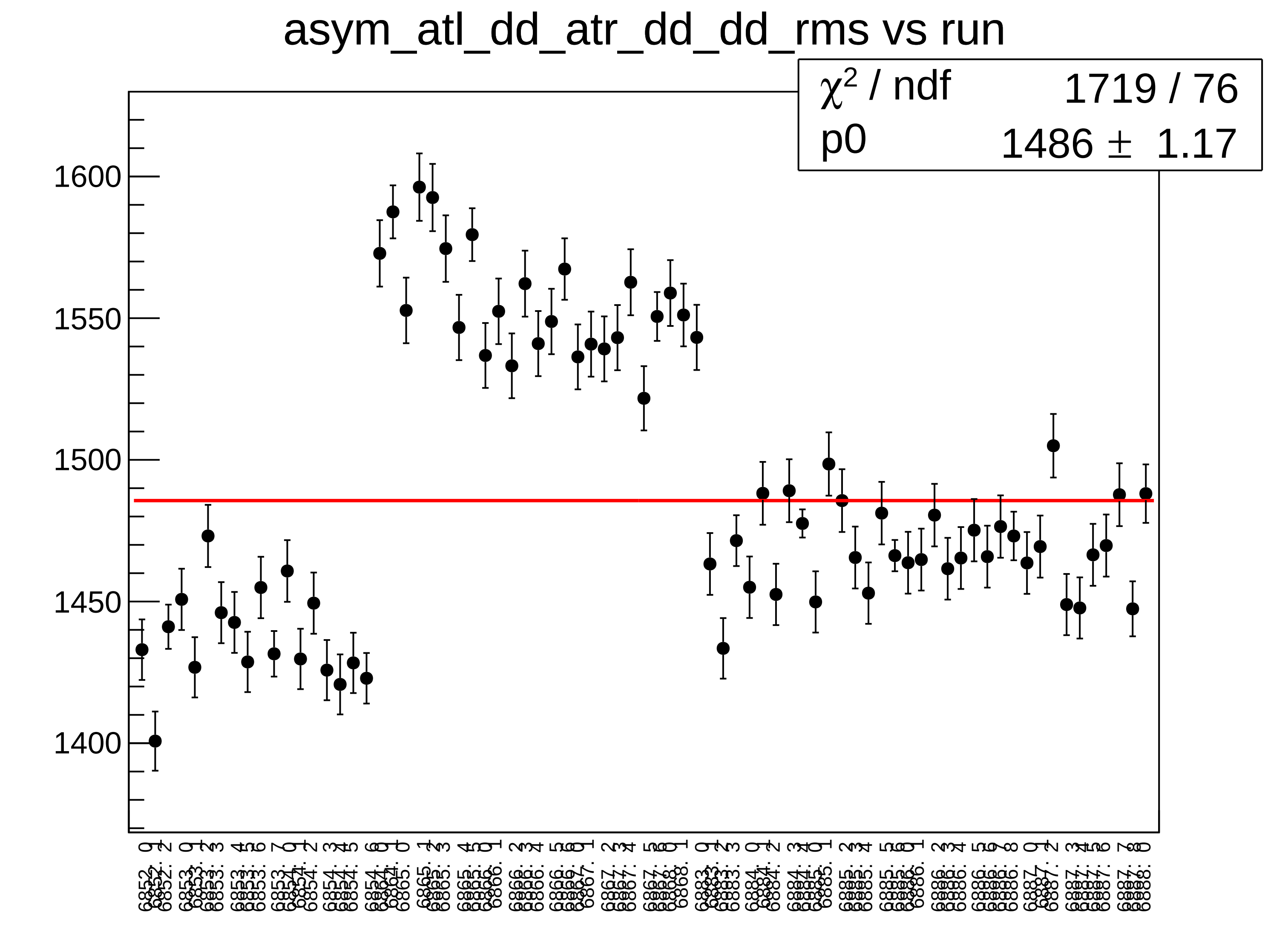
asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 74.23 / 76
p0 1885 ± 850.6
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 77
Mean 97.05
Std Dev 54.12
3
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.0375
Std Dev 0.9811
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

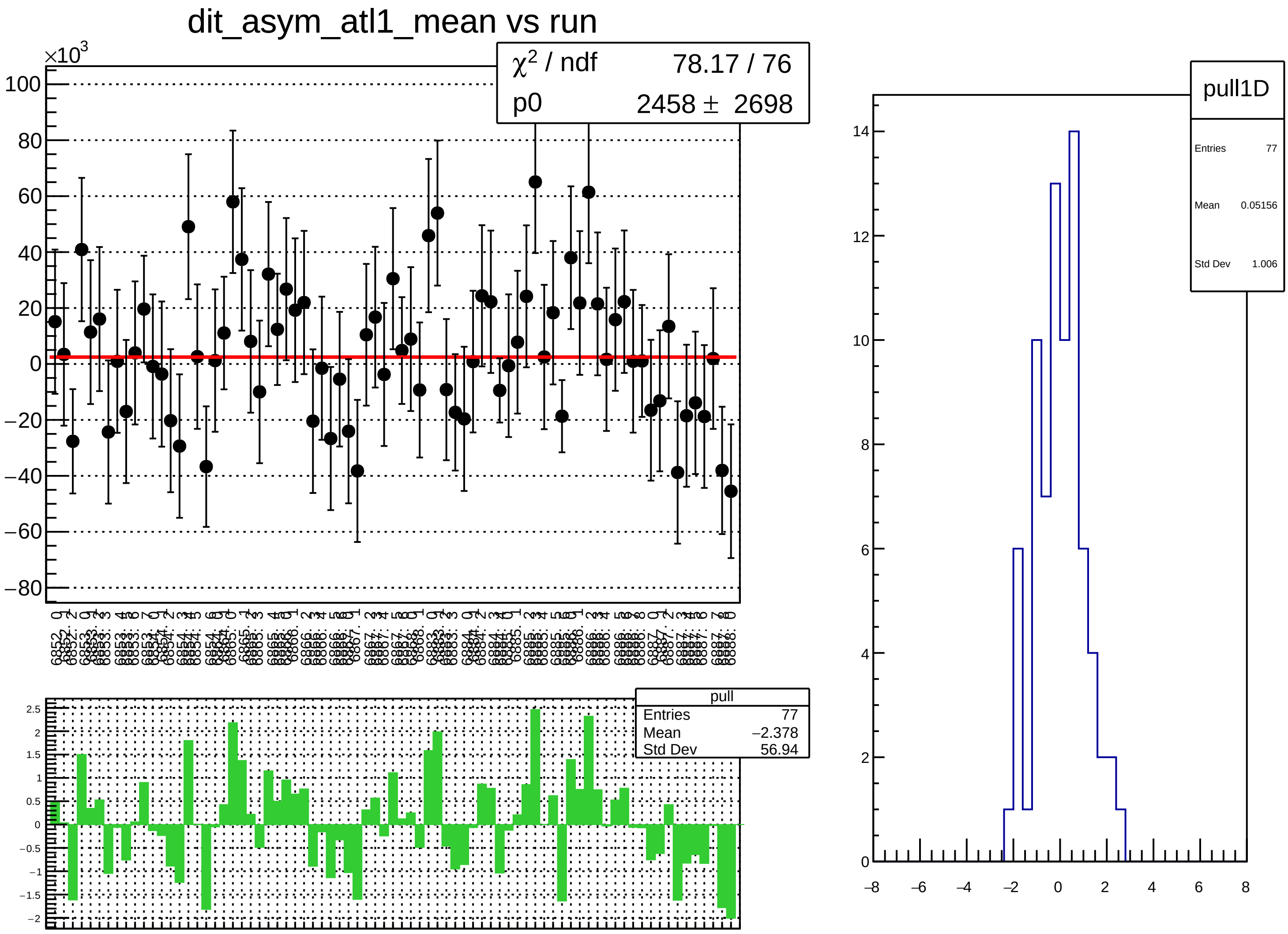


asym_atl_dd_atr_dd_dd_correction_rms vs run
$\chi^2$ / ndf 1.69e+04 / 76
p0 760.1 ± 0.6015
950
900
850
800
750
700
650

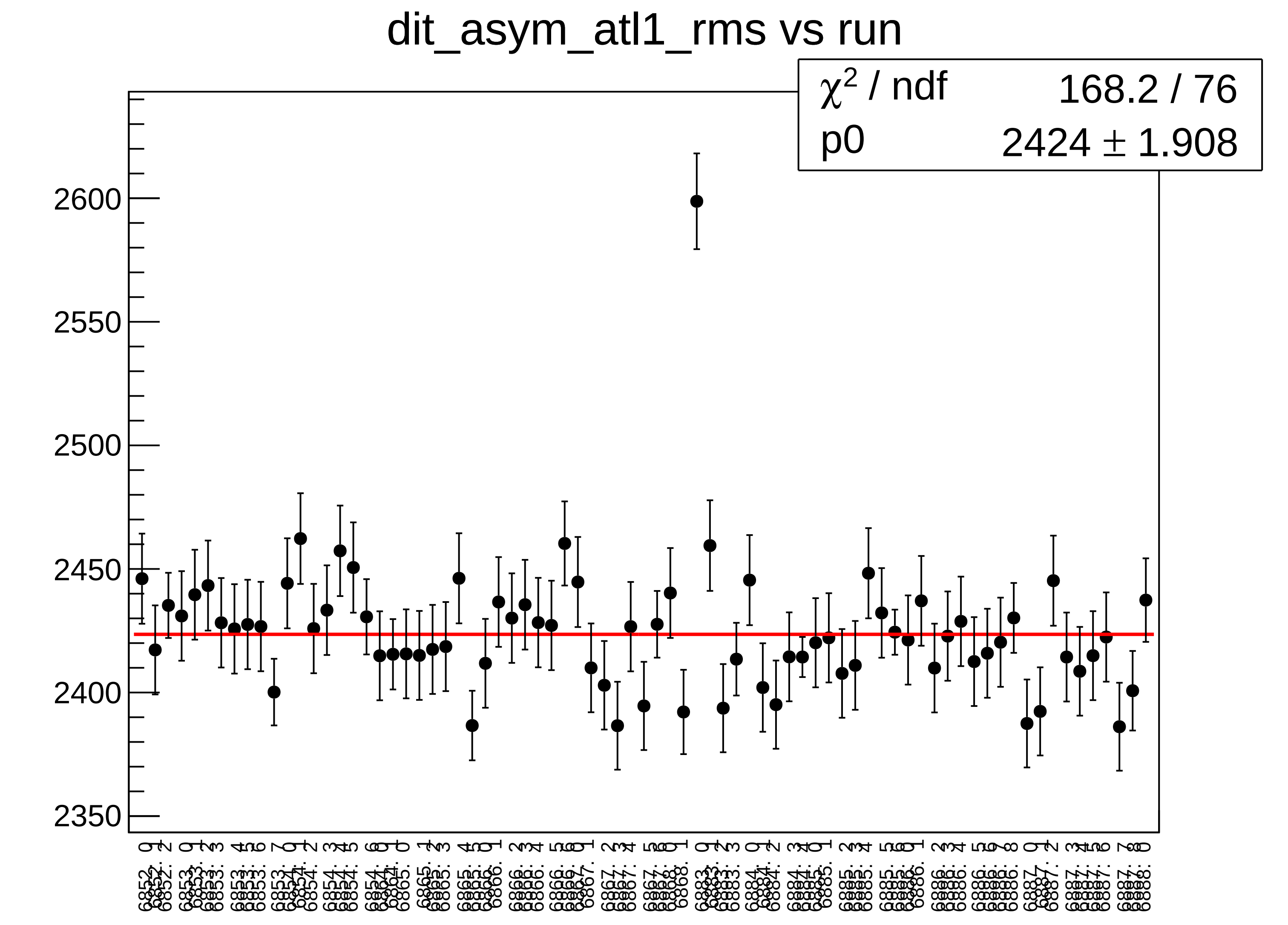
# asym_atl_dd_atr_dd_dd_mean vs run



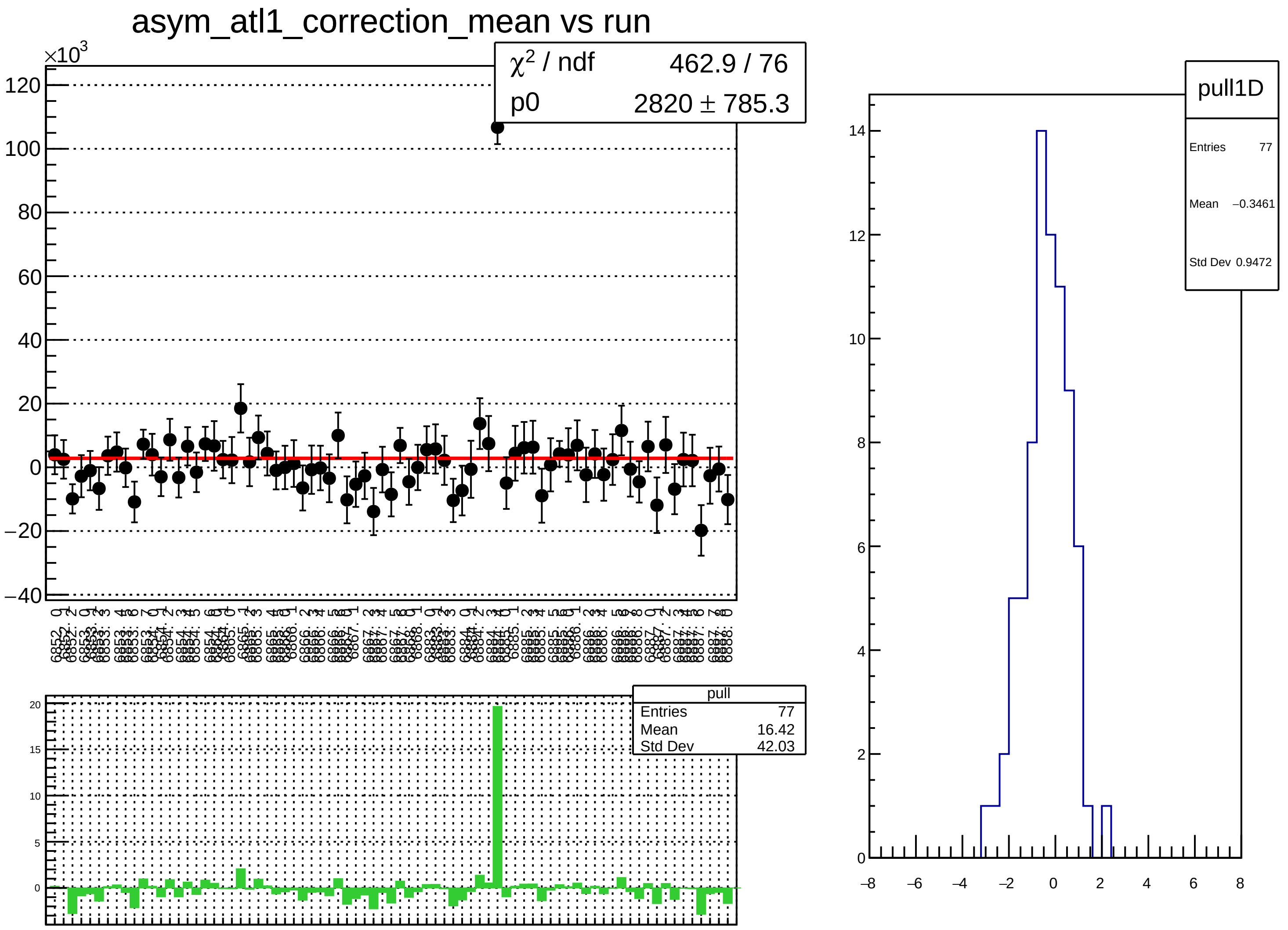

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1719 / 76
p0 1486 ± 1.17
1600
1550
1500
1450
1400



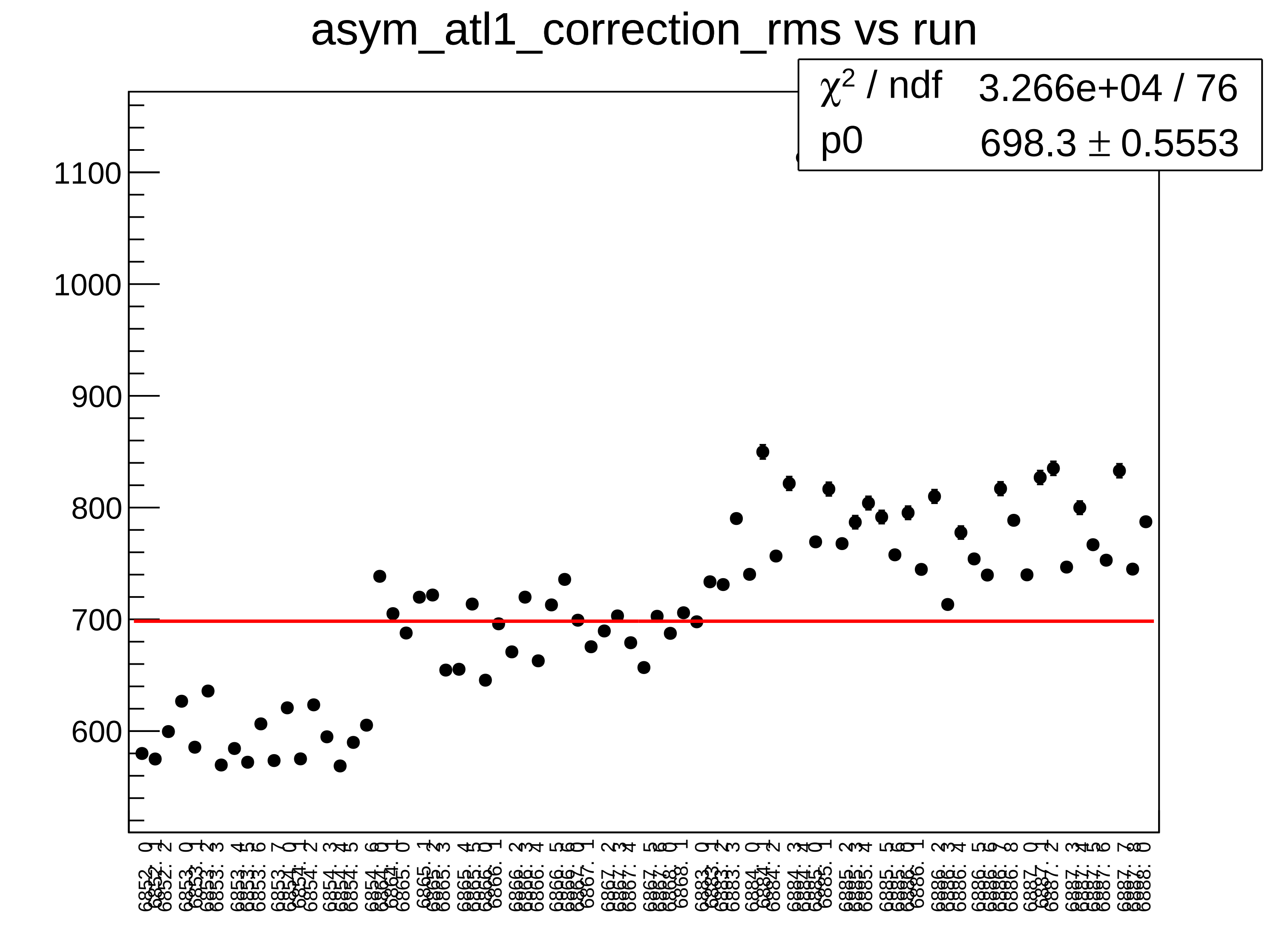
dit_asym_atl1_mean vs run
×10^3
χ2 / ndf 78.17 / 76
p0 2458 ± 2698
pull
Entries 77
Mean −2.378
Std Dev 56.94
pull1D
Entries 77
Mean 0.05156
Std Dev 1.006

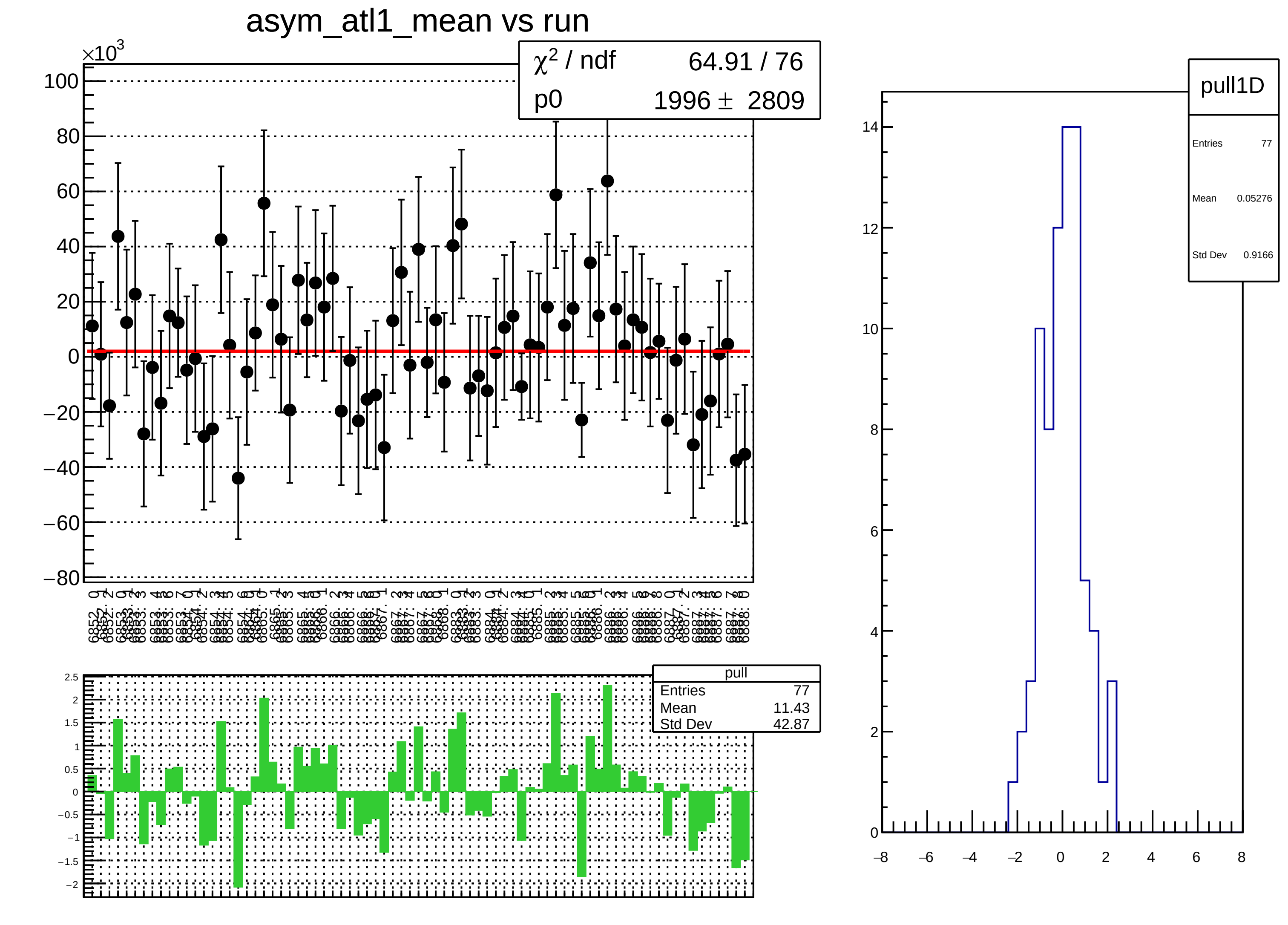


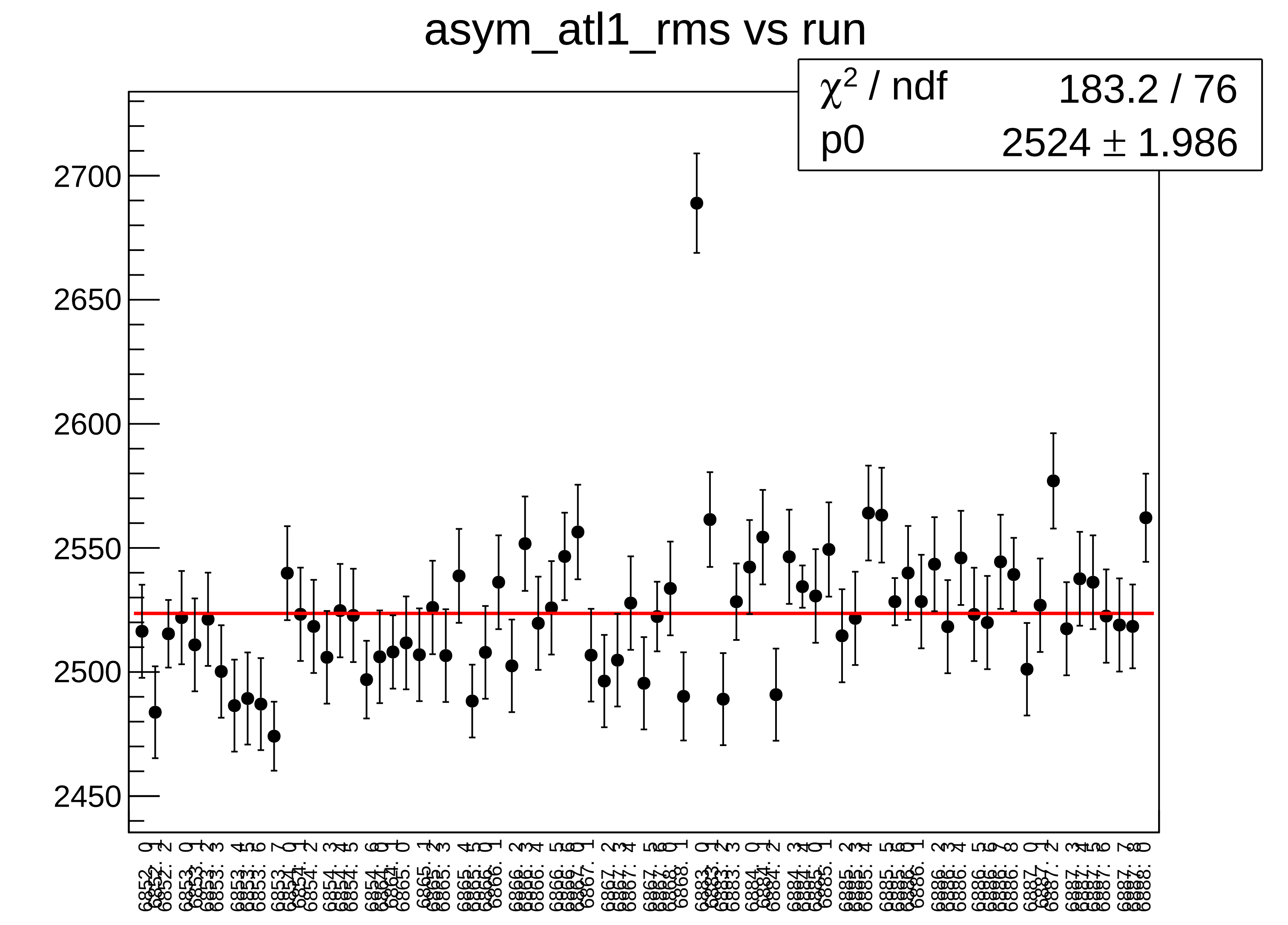
dit_asym_atl1_rms vs run
$\chi^2$ / ndf 168.2 / 76
p0 2424 ± 1.908
2600
2550
2500
2450
2400
2350

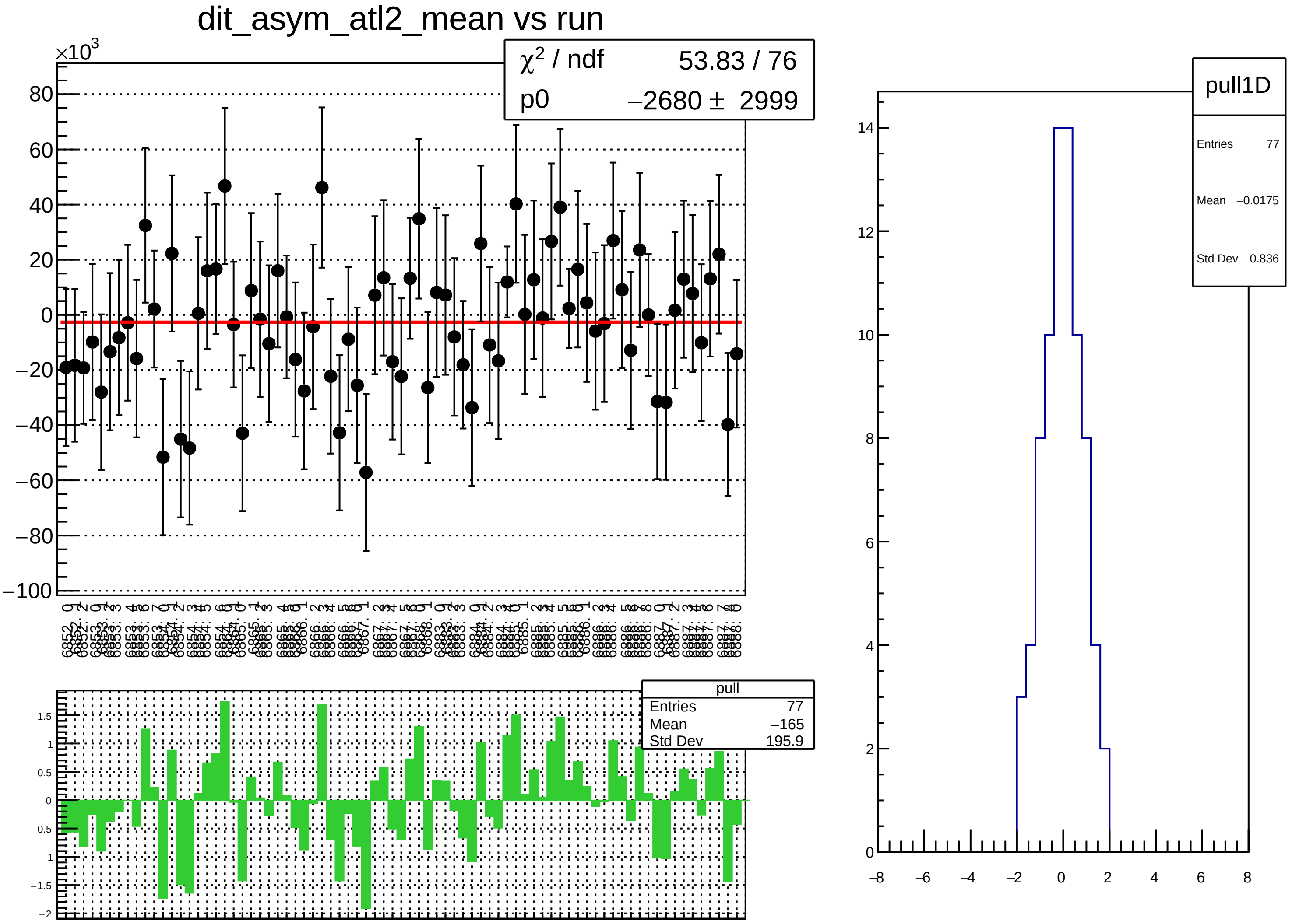


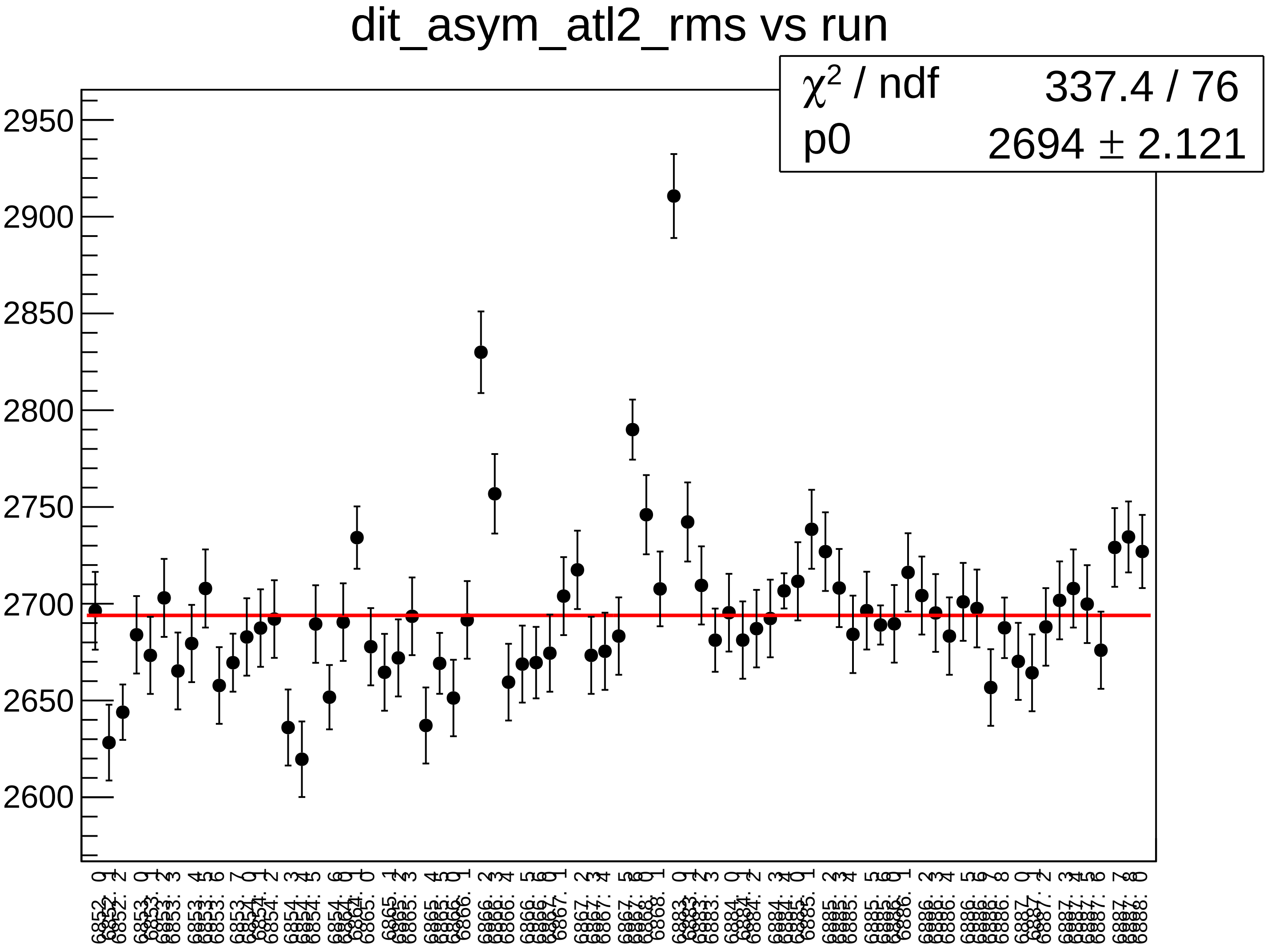
asym_atl1_correction_mean vs run
×10^3
χ2 / ndf 462.9 / 76
p0 2820 ± 785.3
pull
Entries 77
Mean 16.42
Std Dev 42.03
pull1D
Entries 77
Mean −0.3461
Std Dev 0.9472


asym_atl1_correction_rms vs run
χ2 / ndf 3.266e+04 / 76
p0 698.3 ± 0.5553
1100
1000
900
800
700
600

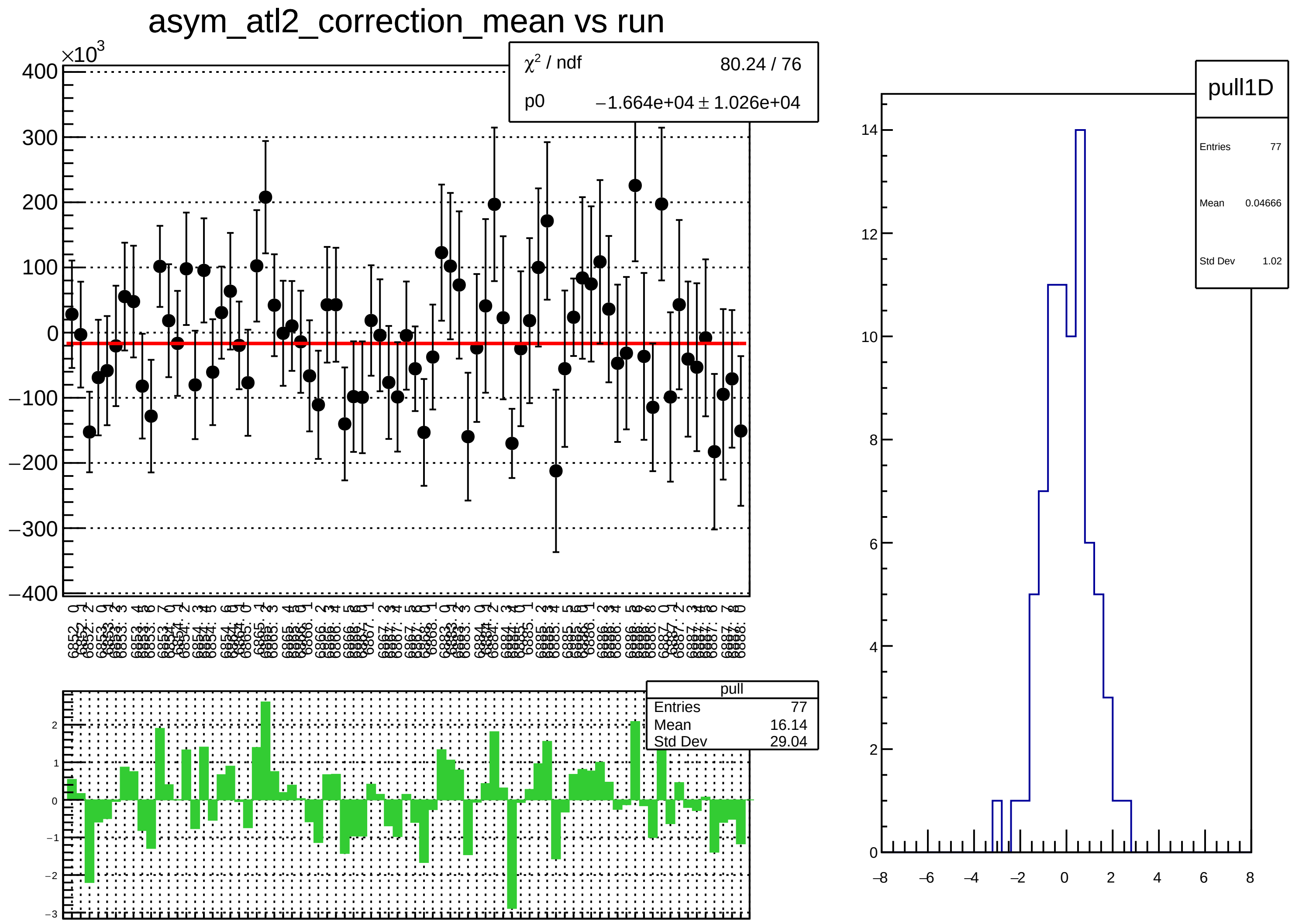

asym_atl1_mean vs run
×10^3
χ^2 / ndf 64.91 / 76
p0 1996 ± 2809
pull
Entries 77
Mean 11.43
Std Dev 42.87
pull1D
Entries 77
Mean 0.05276
Std Dev 0.9166


asym_atl1_rms vs run
χ2 / ndf 183.2 / 76
p0 2524 ± 1.986
2700
2650
2600
2550
2500
2450

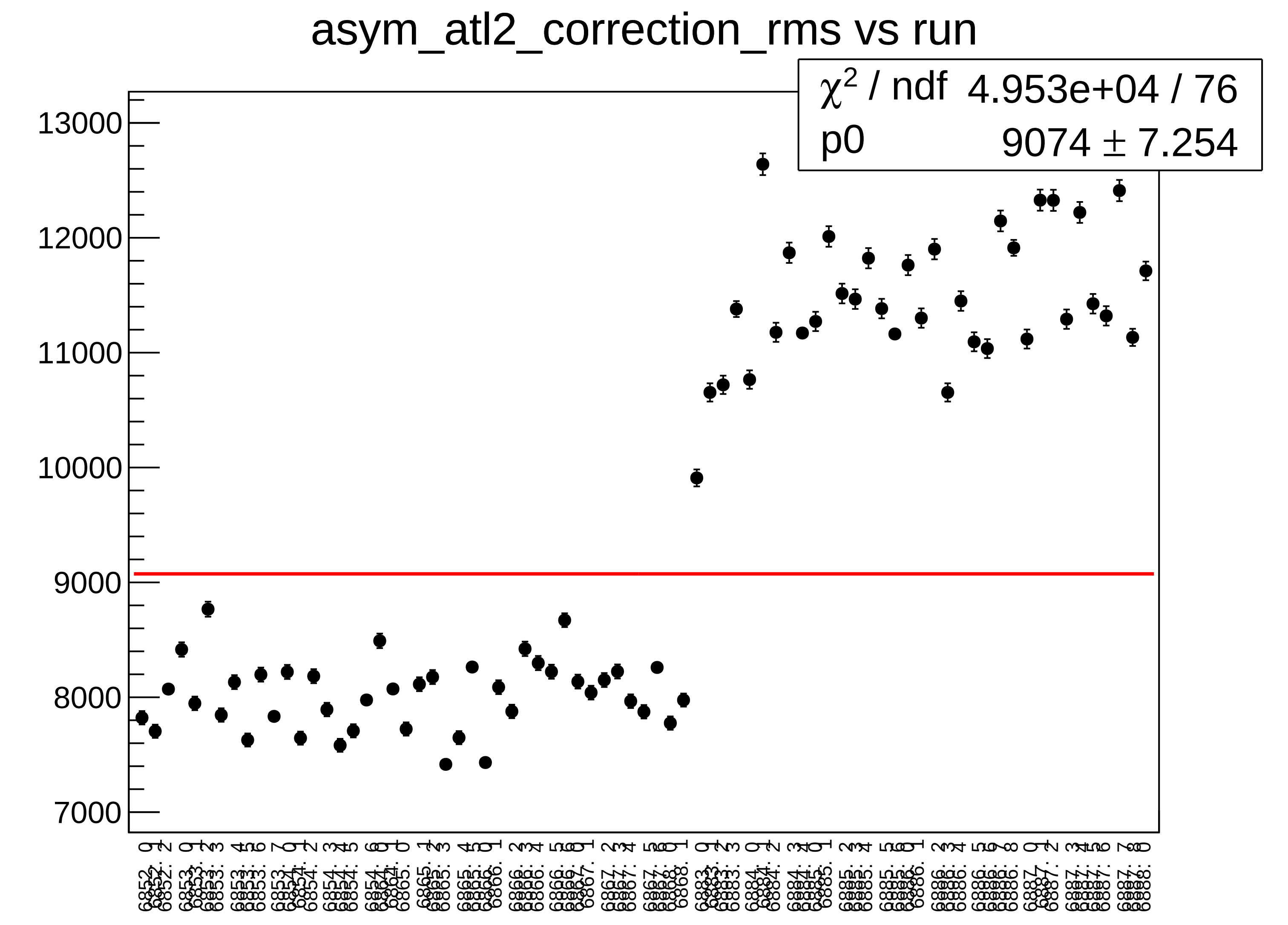

dit_asym_atl2_mean vs run
χ² / ndf 53.83 / 76
p0 −2680 ± 2999
×10³
pull
Entries 77
Mean −165
Std Dev 195.9
pull1D
Entries 77
Mean −0.0175
Std Dev 0.836

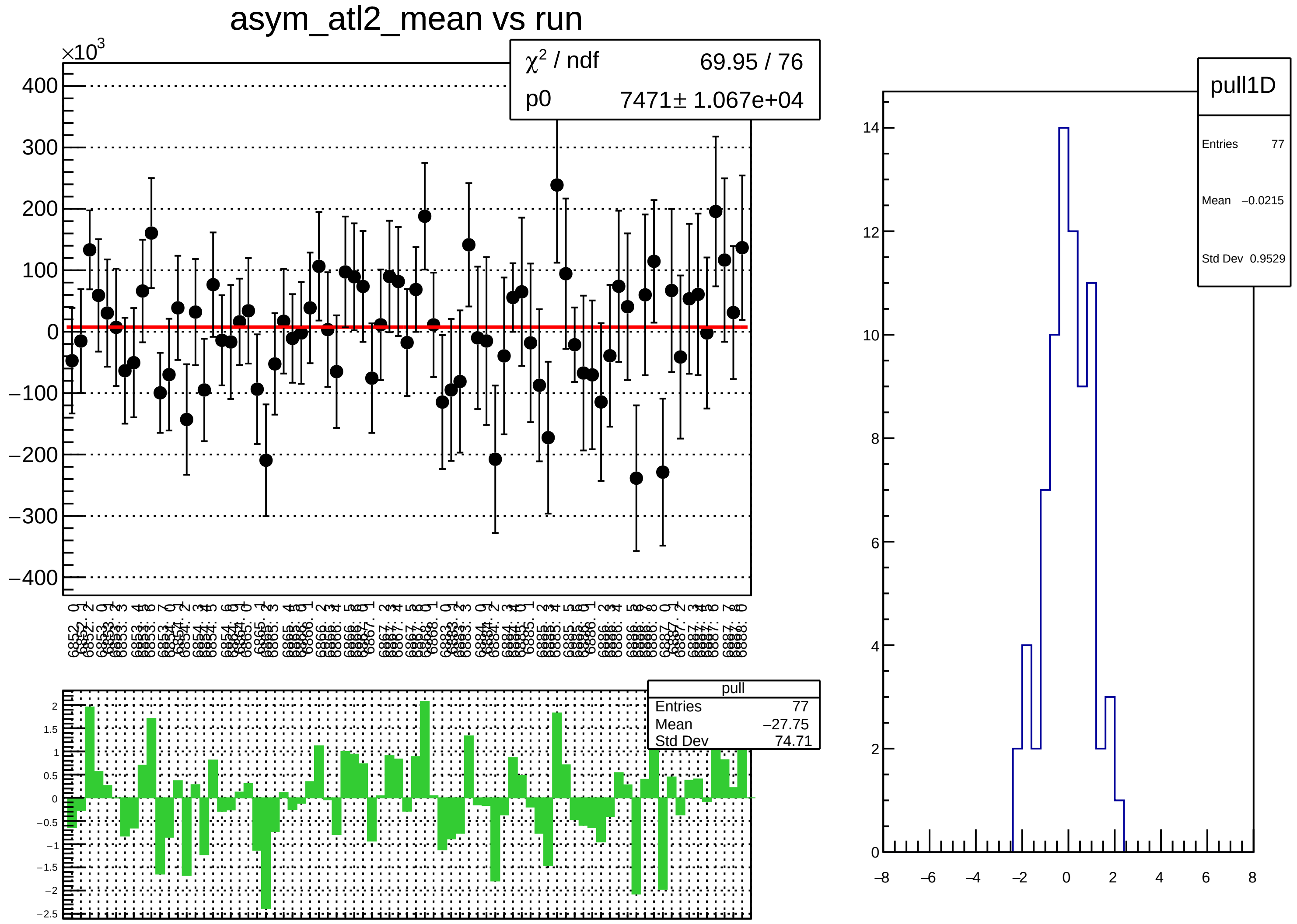


dit_asym_atl2_rms vs run
$\chi^2$ / ndf 337.4 / 76
p0 2694 ± 2.121
2950
2900
2850
2800
2750
2700
2650
2600

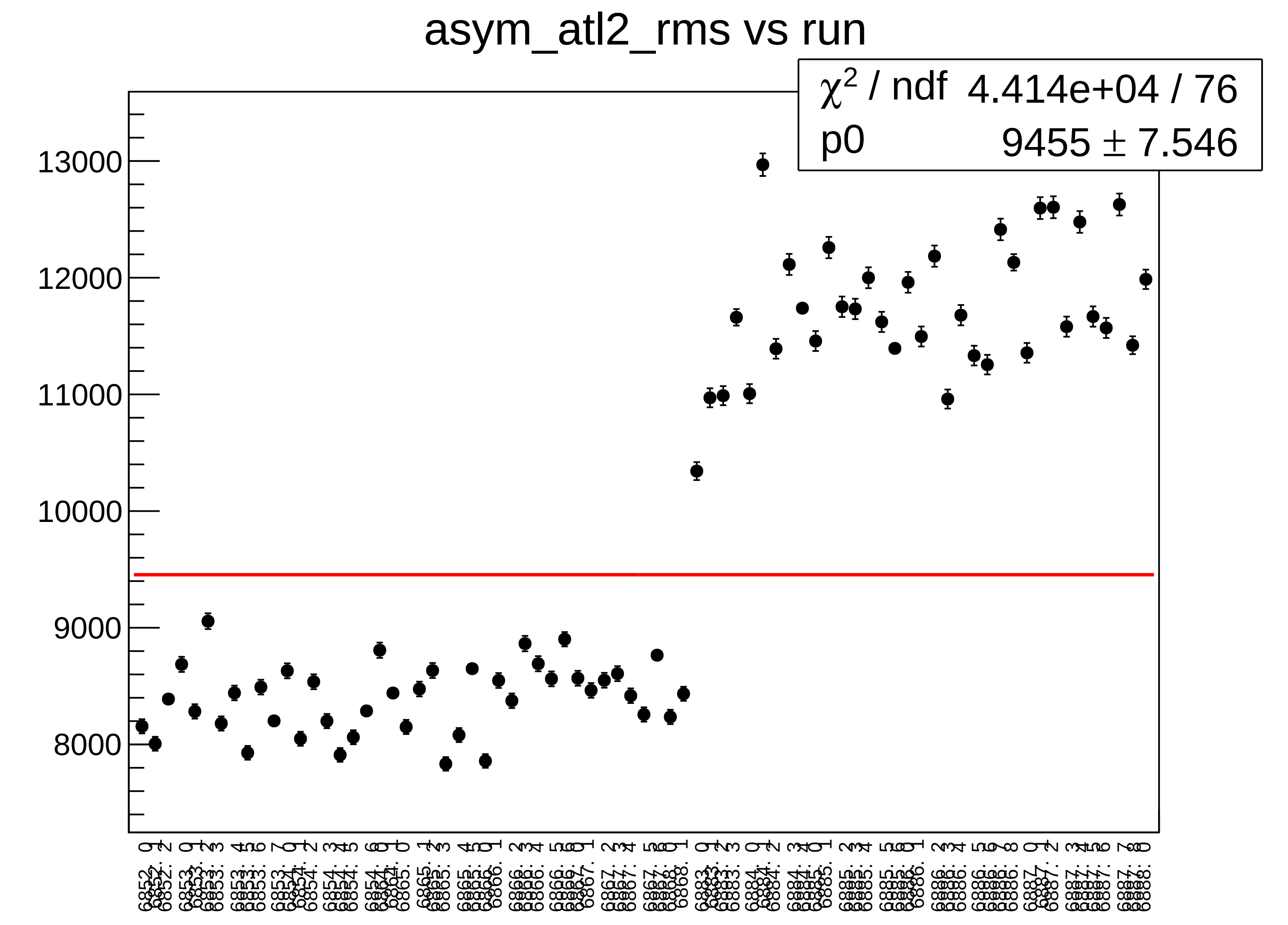


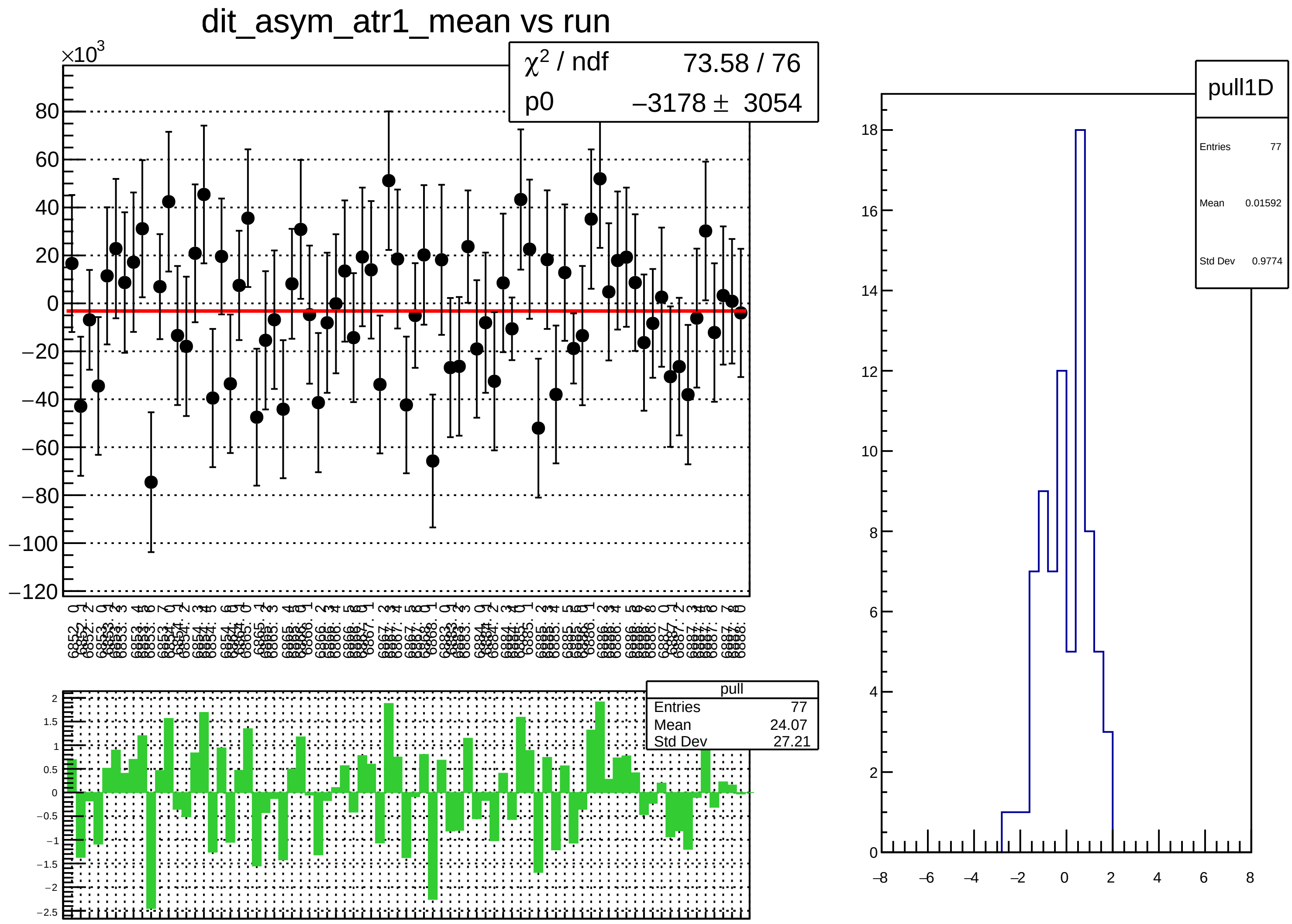
asym_atl2_correction_mean vs run
$\times 10^3$
$\chi^2$ / ndf 80.24 / 76
p0 −1.664e+04 ± 1.026e+04
pull
Entries 77
Mean 16.14
Std Dev 29.04
pull1D
Entries 77
Mean 0.04666
Std Dev 1.02

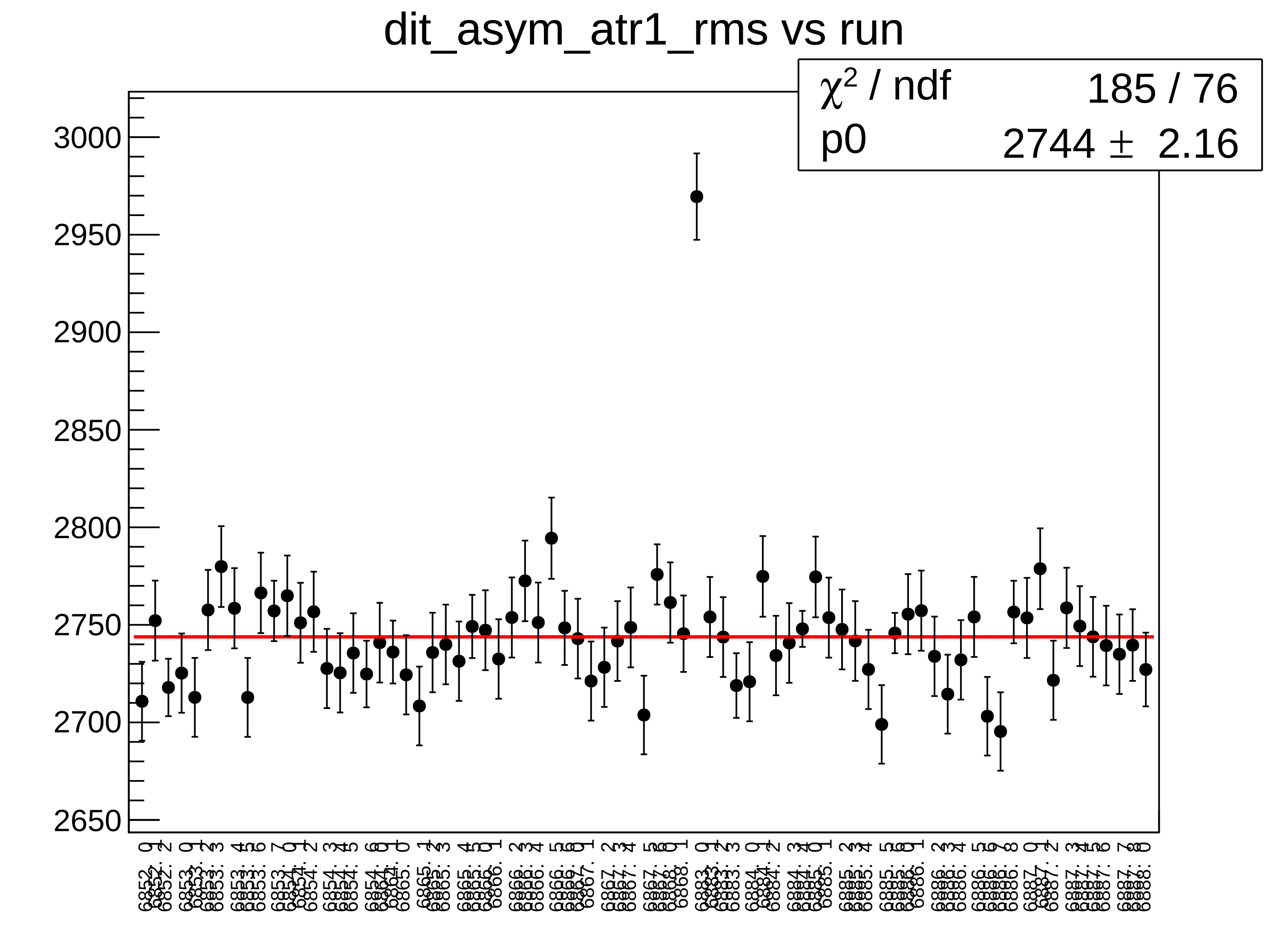

asym_atl2_correction_rms vs run
χ² / ndf 4.953e+04 / 76
p0 9074 ± 7.254
13000
12000
11000
10000
9000
8000
7000



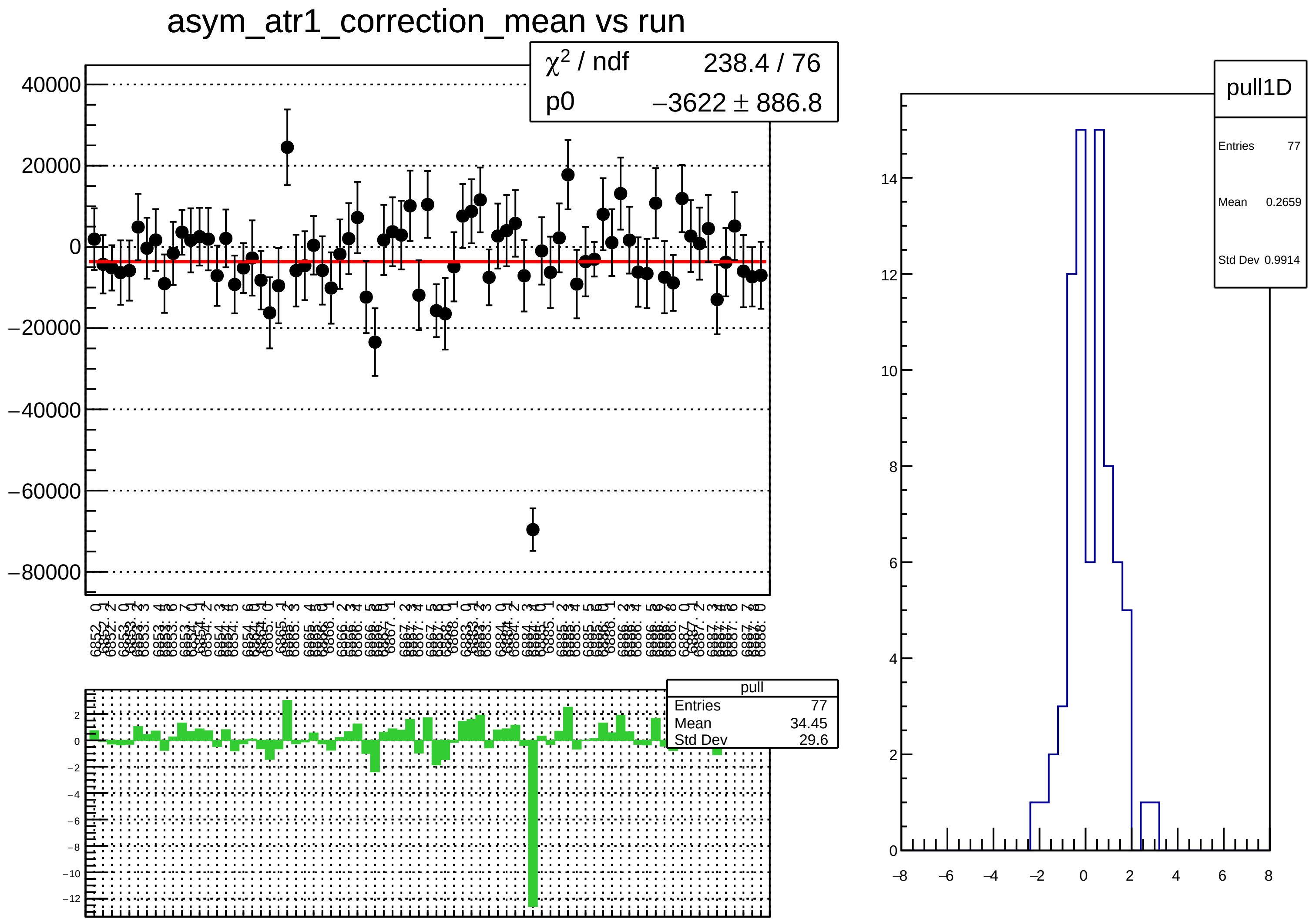
asym_atl2_mean vs run
×10^3
χ^2 / ndf 69.95 / 76
p0 7471± 1.067e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 77
Mean −27.75
Std Dev 74.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 77
Mean −0.0215
Std Dev 0.9529
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_rms vs run
χ2 / ndf 4.414e+04 / 76
p0 9455 ± 7.546
13000
12000
11000
10000
9000
8000

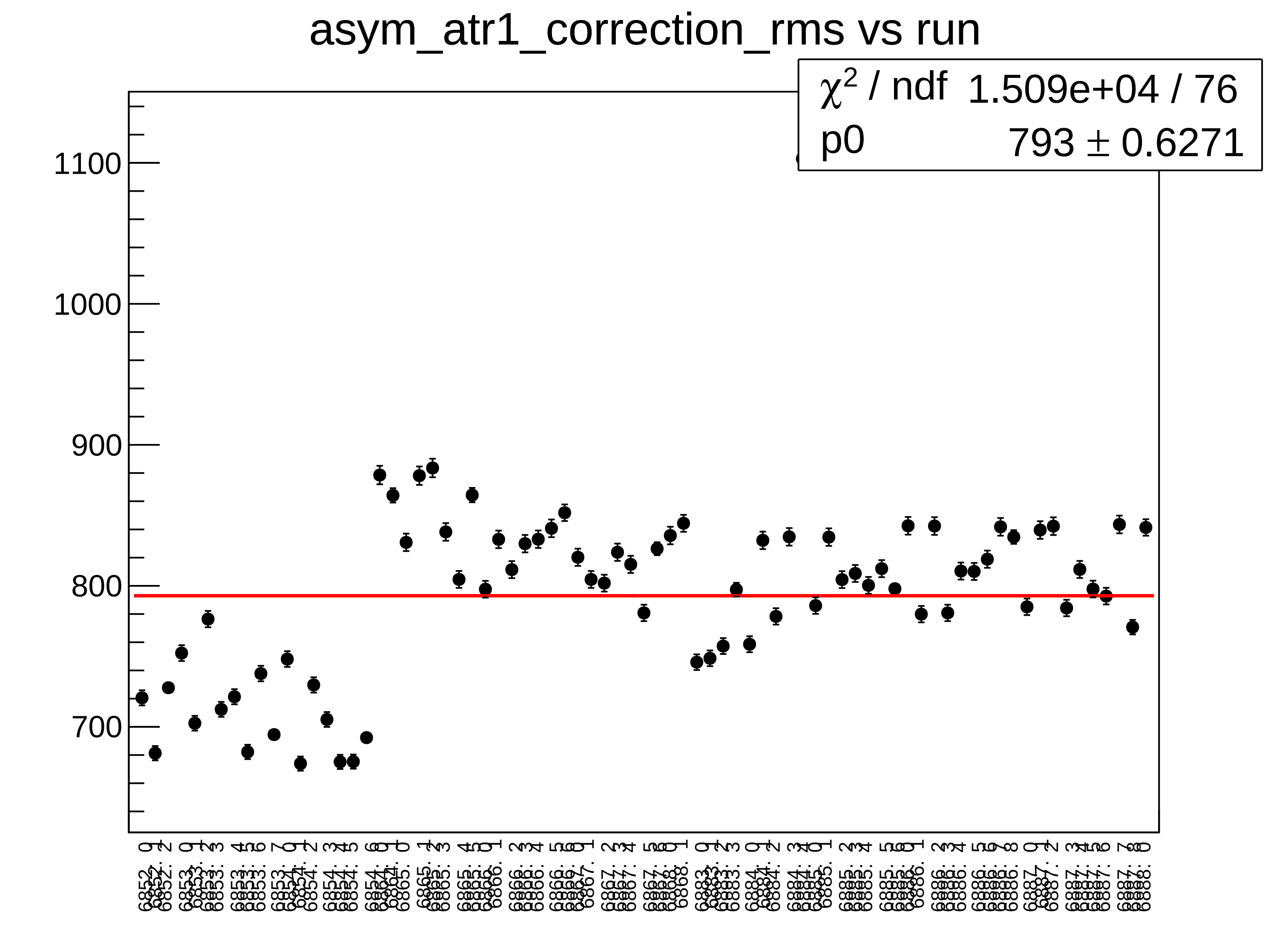

dit_asym_atr1_mean vs run
χ2 / ndf 73.58 / 76
p0 −3178 ± 3054
×10^3
pull
Entries 77
Mean 24.07
Std Dev 27.21
pull1D
Entries 77
Mean 0.01592
Std Dev 0.9774

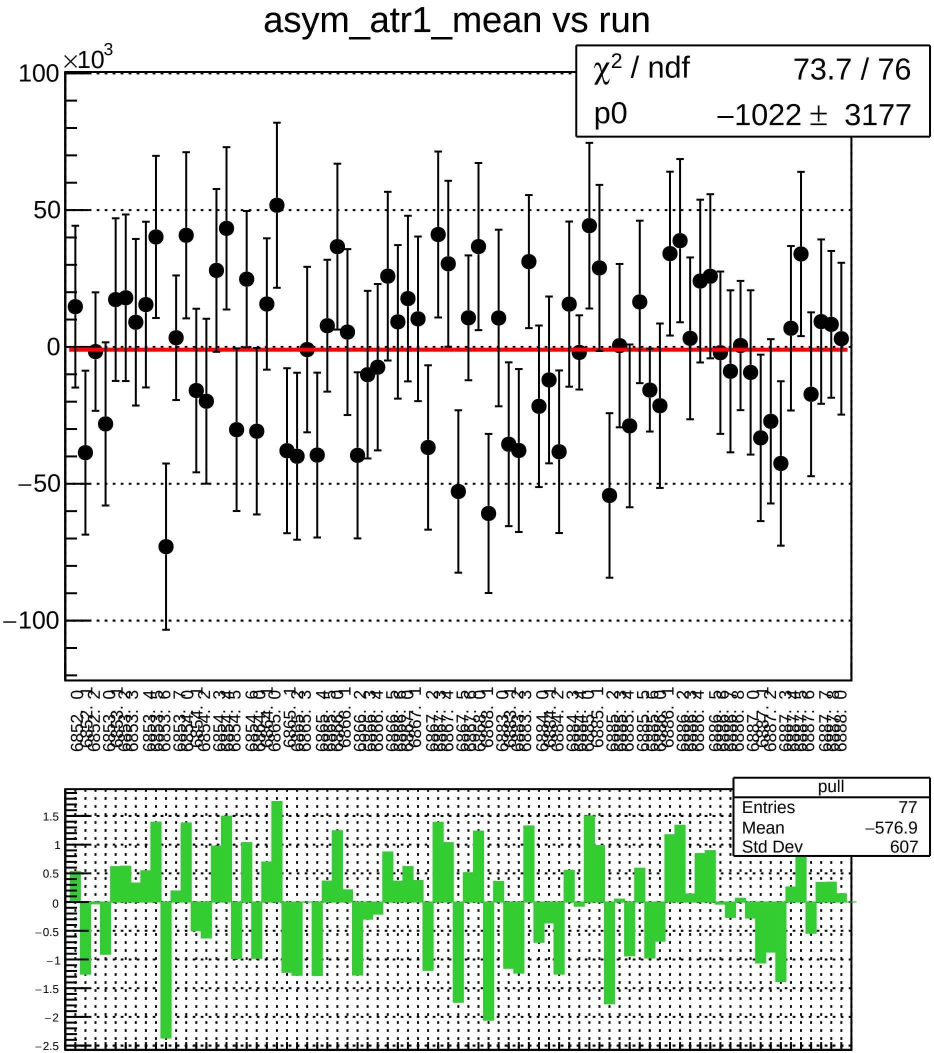


dit_asym_atr1_rms vs run
χ2 / ndf 185 / 76
p0 2744 ± 2.16
3000
2950
2900
2850
2800
2750
2700
2650

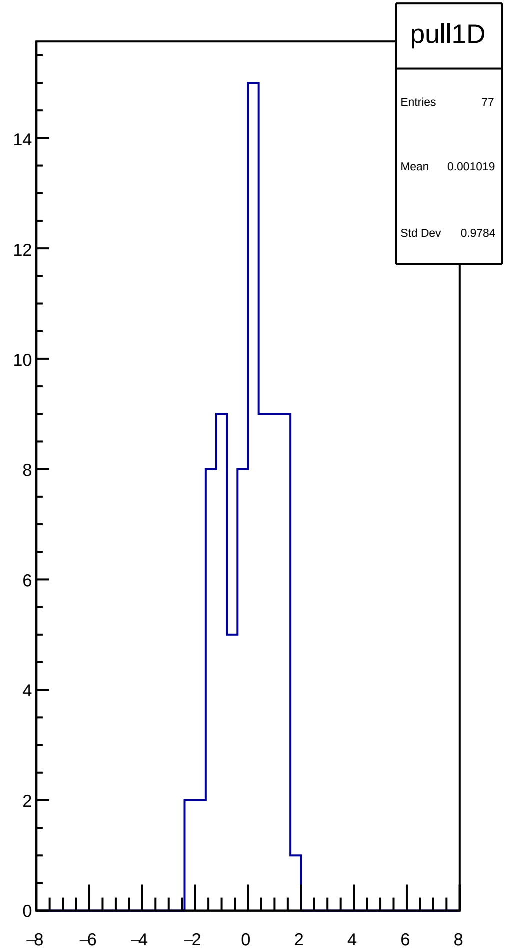


asym_atr1_correction_mean vs run
$\chi^2$ / ndf 238.4 / 76
p0 −3622 ± 886.8
pull
Entries 77
Mean 34.45
Std Dev 29.6
pull1D
Entries 77
Mean 0.2659
Std Dev 0.9914

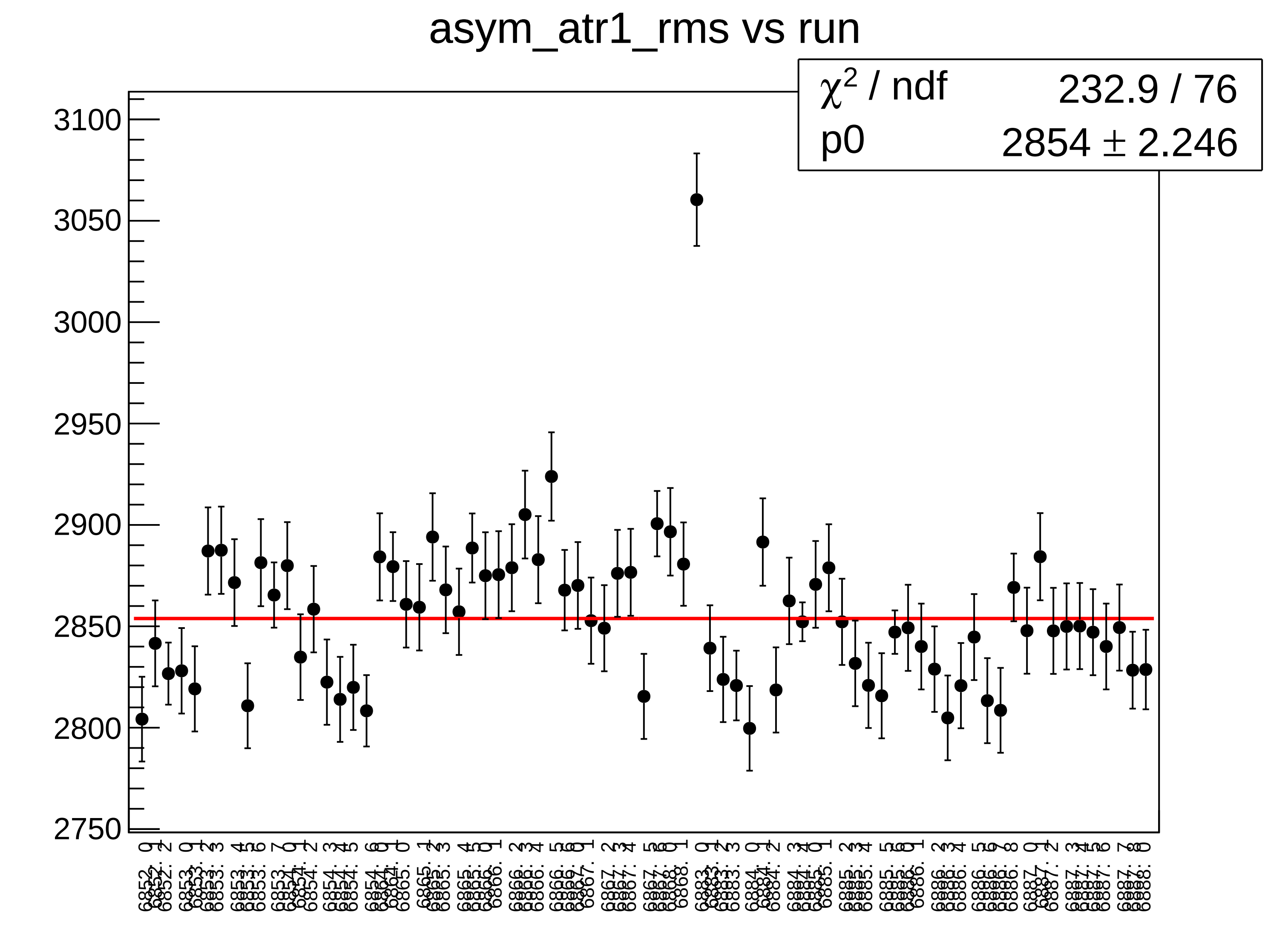

asym_atr1_correction_rms vs run
$\chi^2$ / ndf 1.509e+04 / 76
p0 793 ± 0.6271
1100
1000
900
800
700

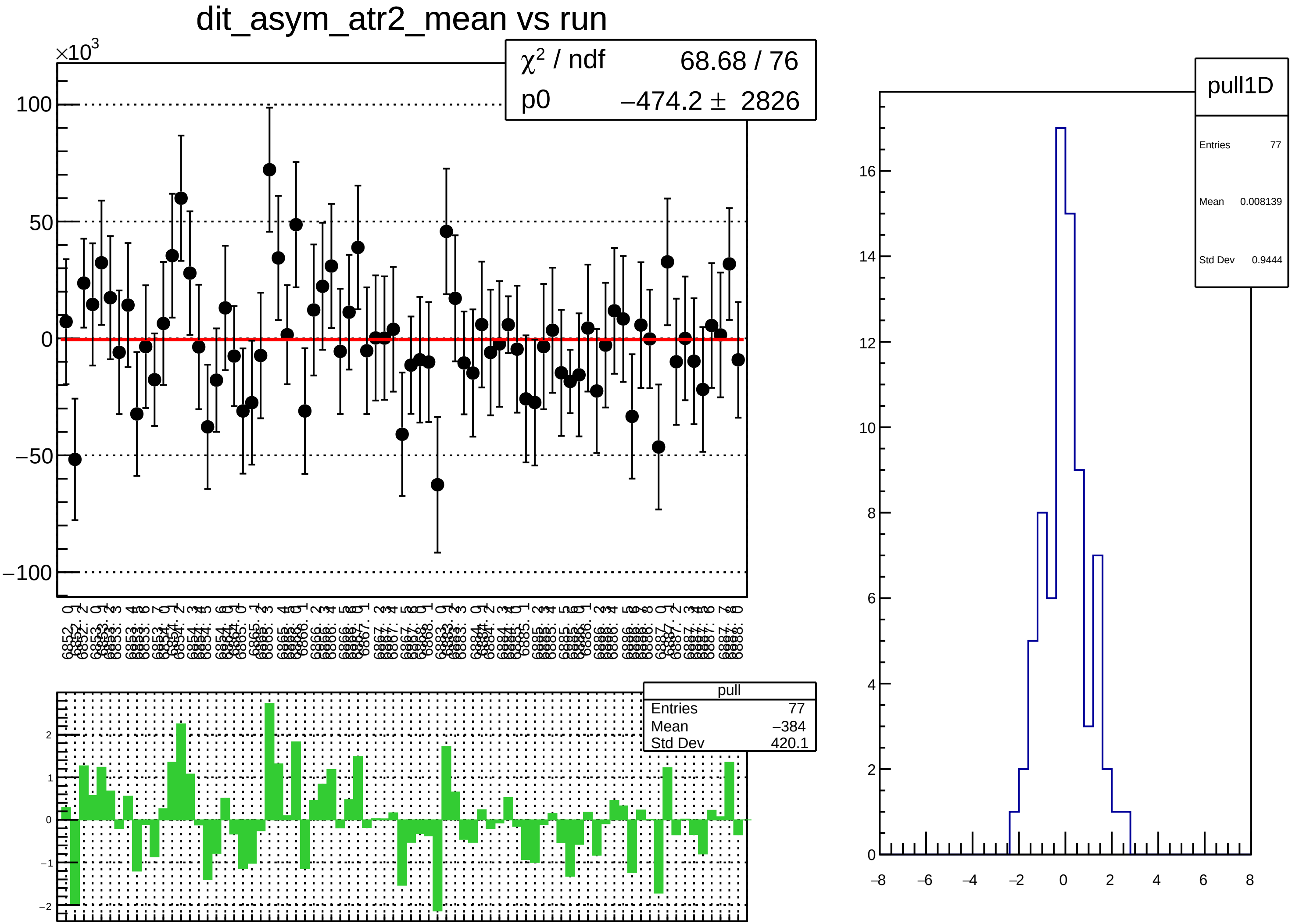


asym_atr1_mean vs run
$\chi^2$ / ndf 73.7 / 76
p0 −1022 ± 3177
pull
Entries 77
Mean −576.9
Std Dev 607

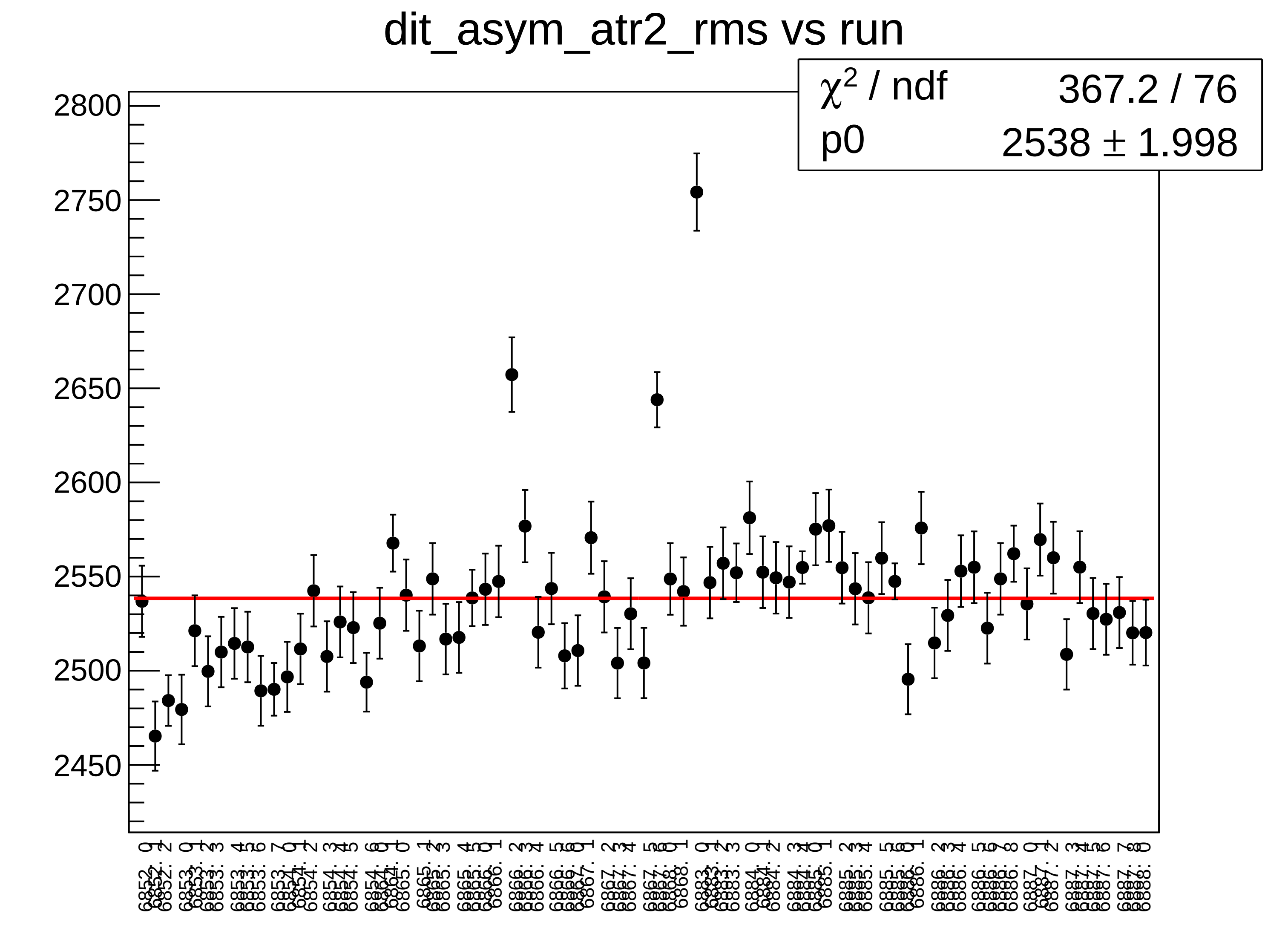



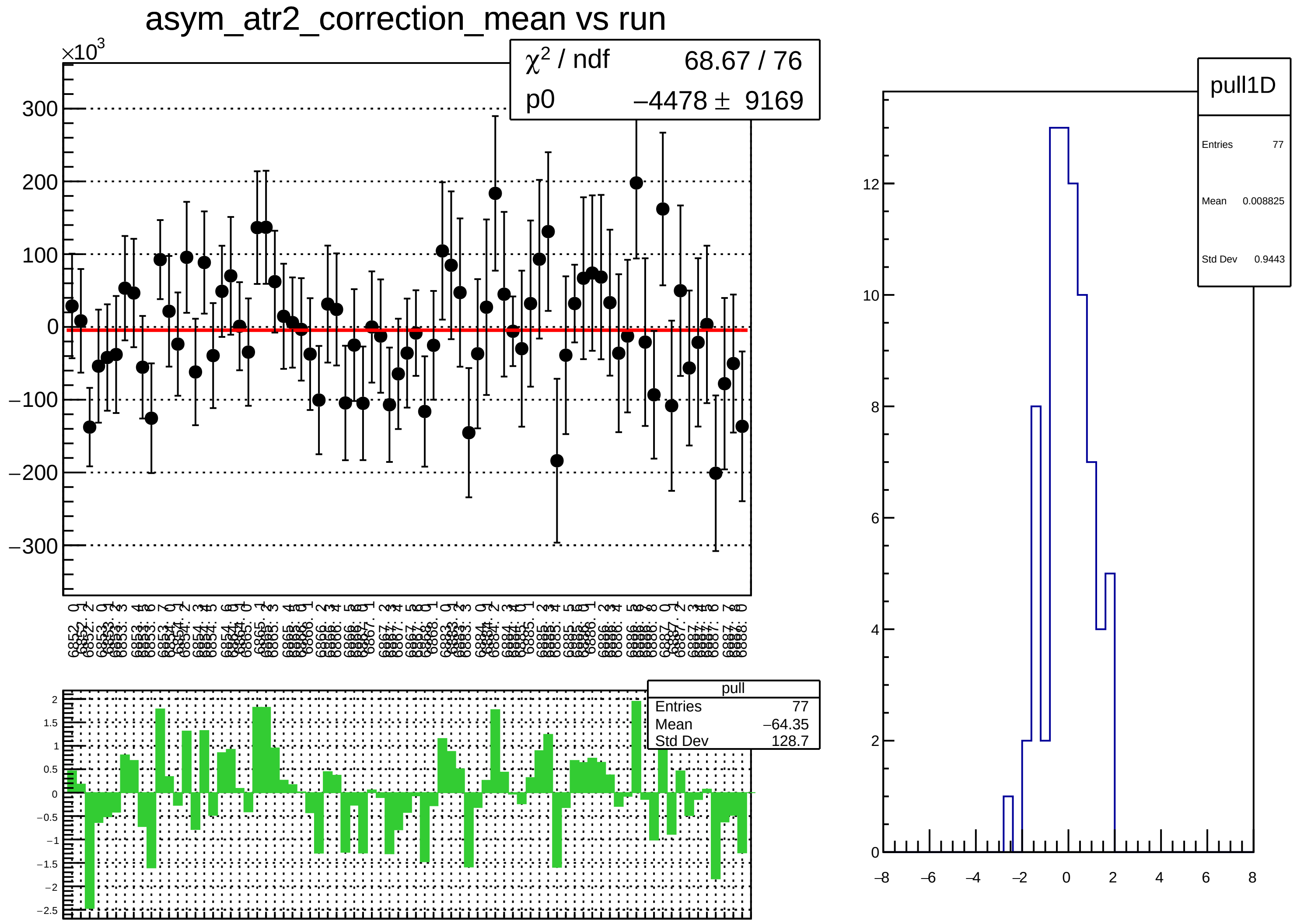
pull1D
Entries 77
Mean 0.001019
Std Dev 0.9784


asym_atr1_rms vs run
χ2 / ndf 232.9 / 76
p0 2854 ± 2.246
3100
3050
3000
2950
2900
2850
2800
2750

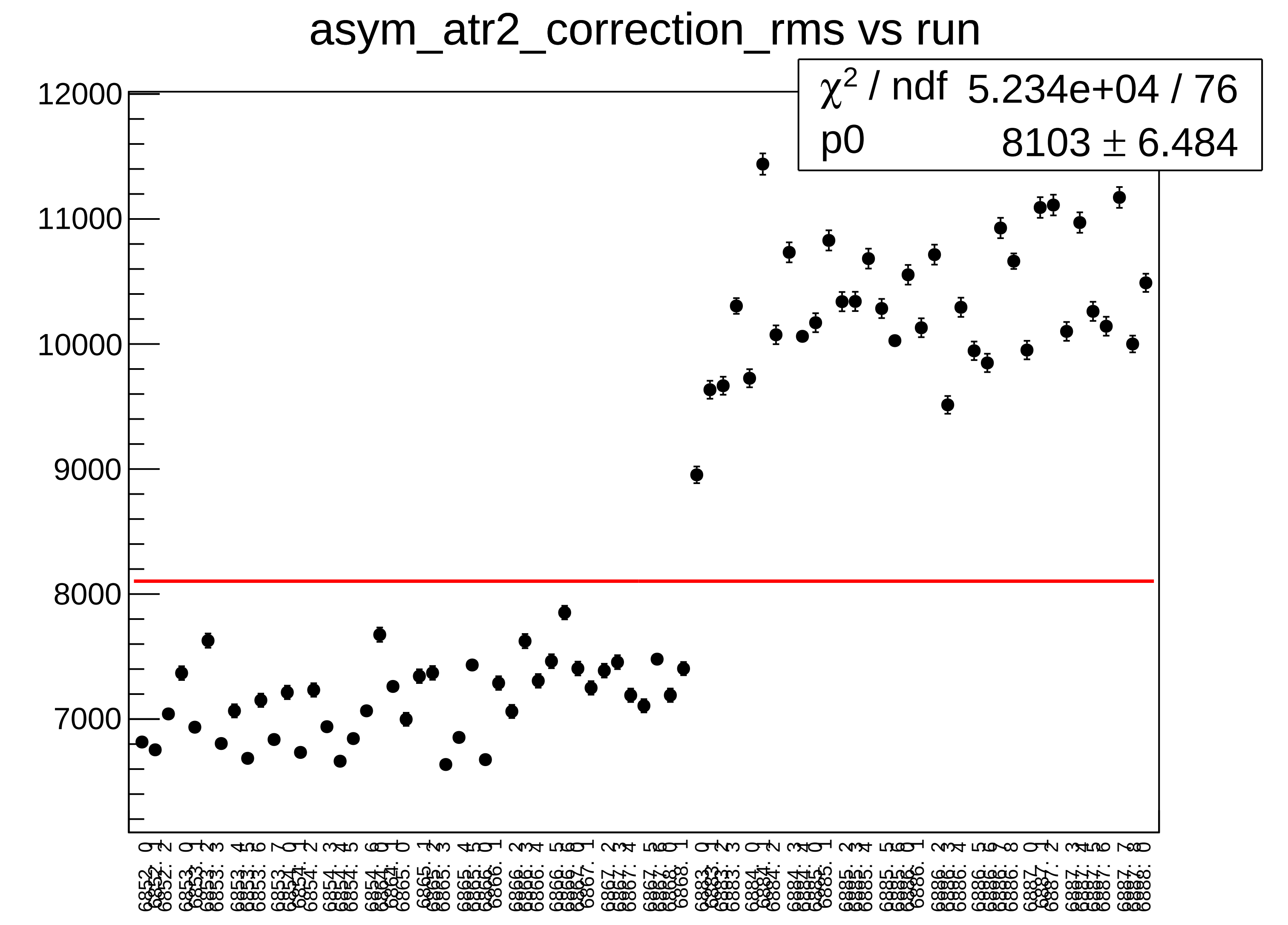


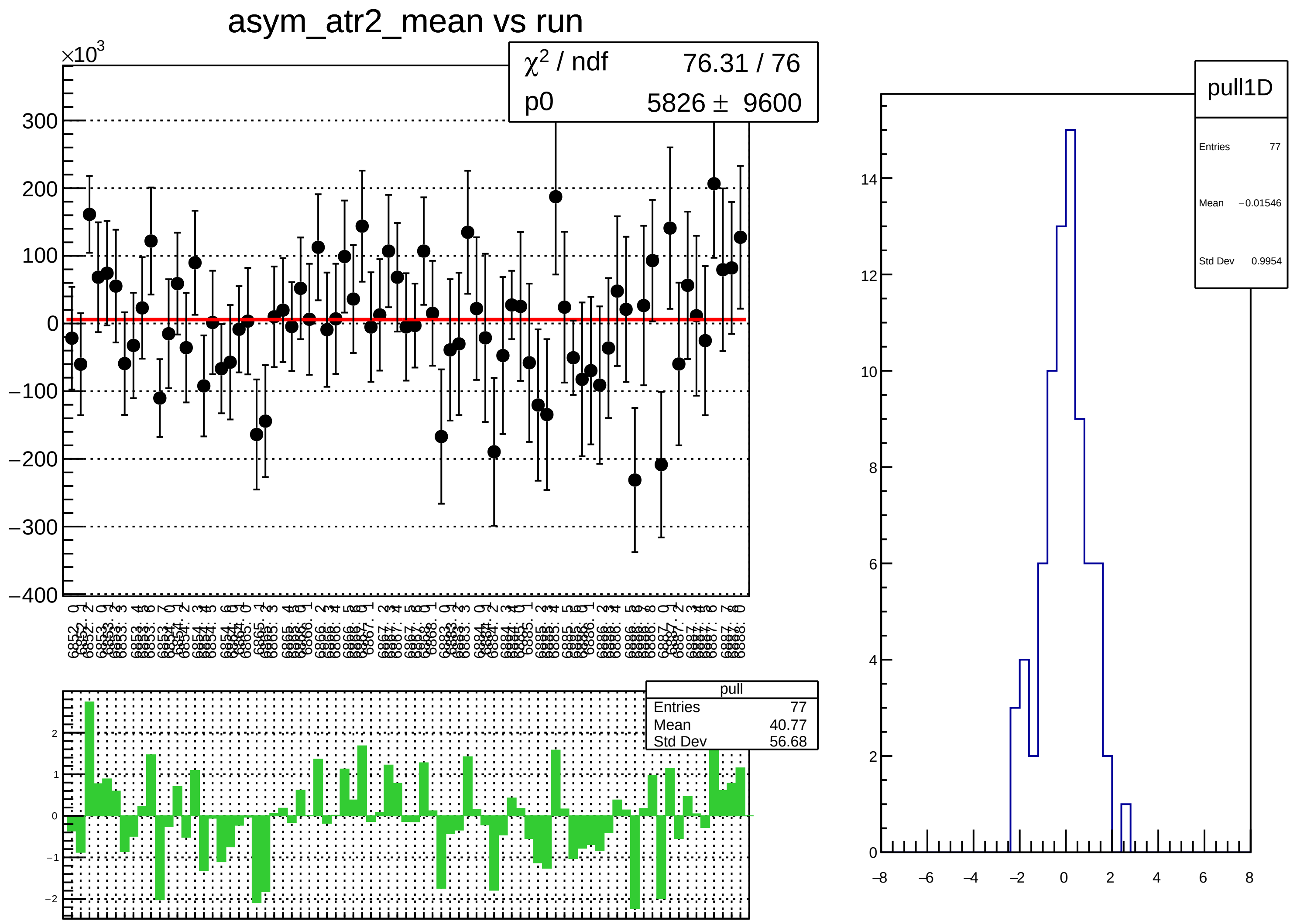
dit_asym_atr2_mean vs run
×10^3
χ2 / ndf 68.68 / 76
p0 −474.2 ± 2826
100
50
0
−50
−100
pull
Entries 77
Mean −384
Std Dev 420.1
pull1D
Entries 77
Mean 0.008139
Std Dev 0.9444


dit_asym_atr2_rms vs run
χ2 / ndf 367.2 / 76
p0 2538 ± 1.998
2800
2750
2700
2650
2600
2550
2500
2450

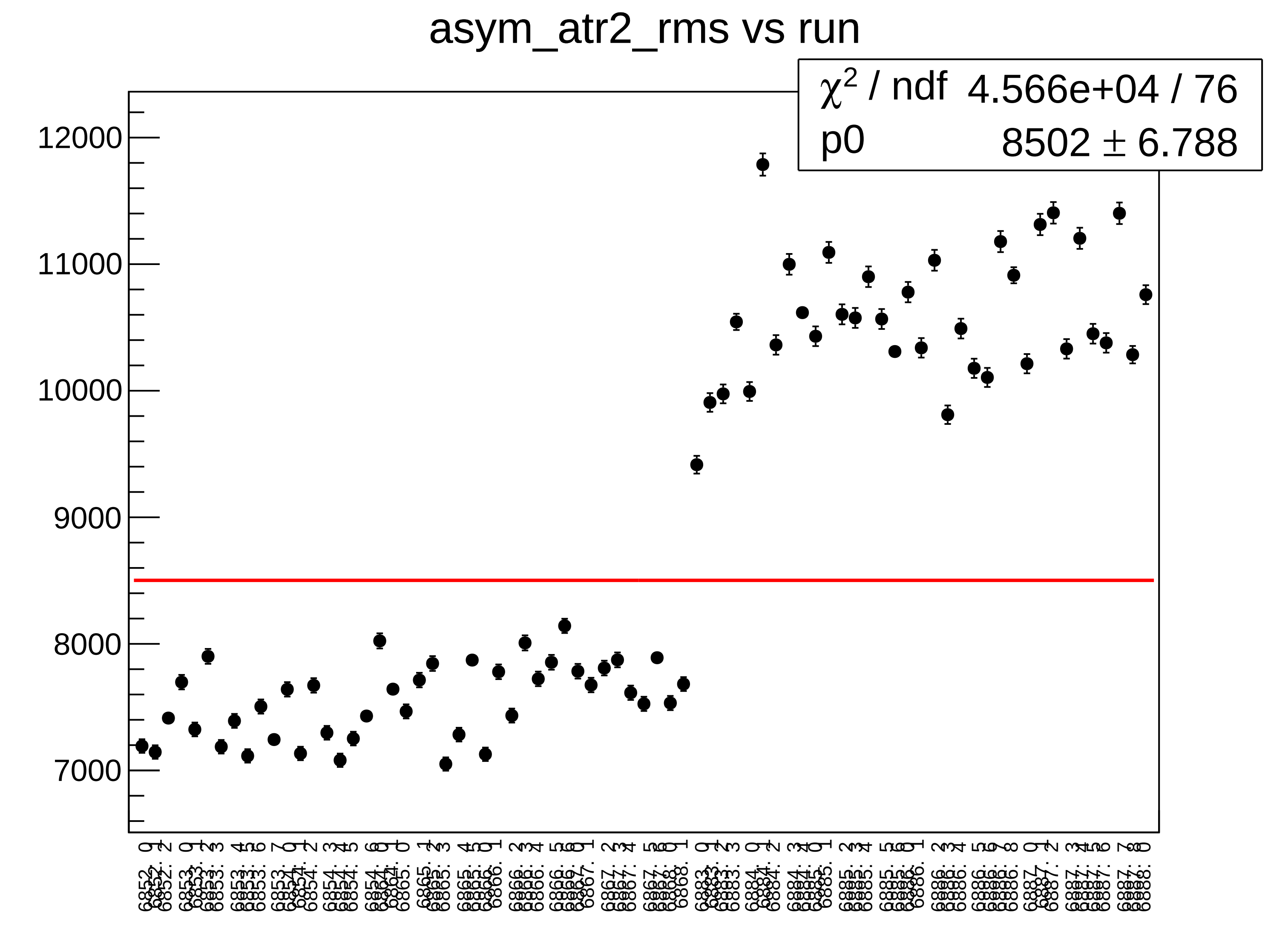


asym_atr2_correction_mean vs run
$\chi^2$ / ndf 68.67 / 76
p0 −4478 ± 9169
pull
Entries 77
Mean −64.35
Std Dev 128.7
pull1D
Entries 77
Mean 0.008825
Std Dev 0.9443

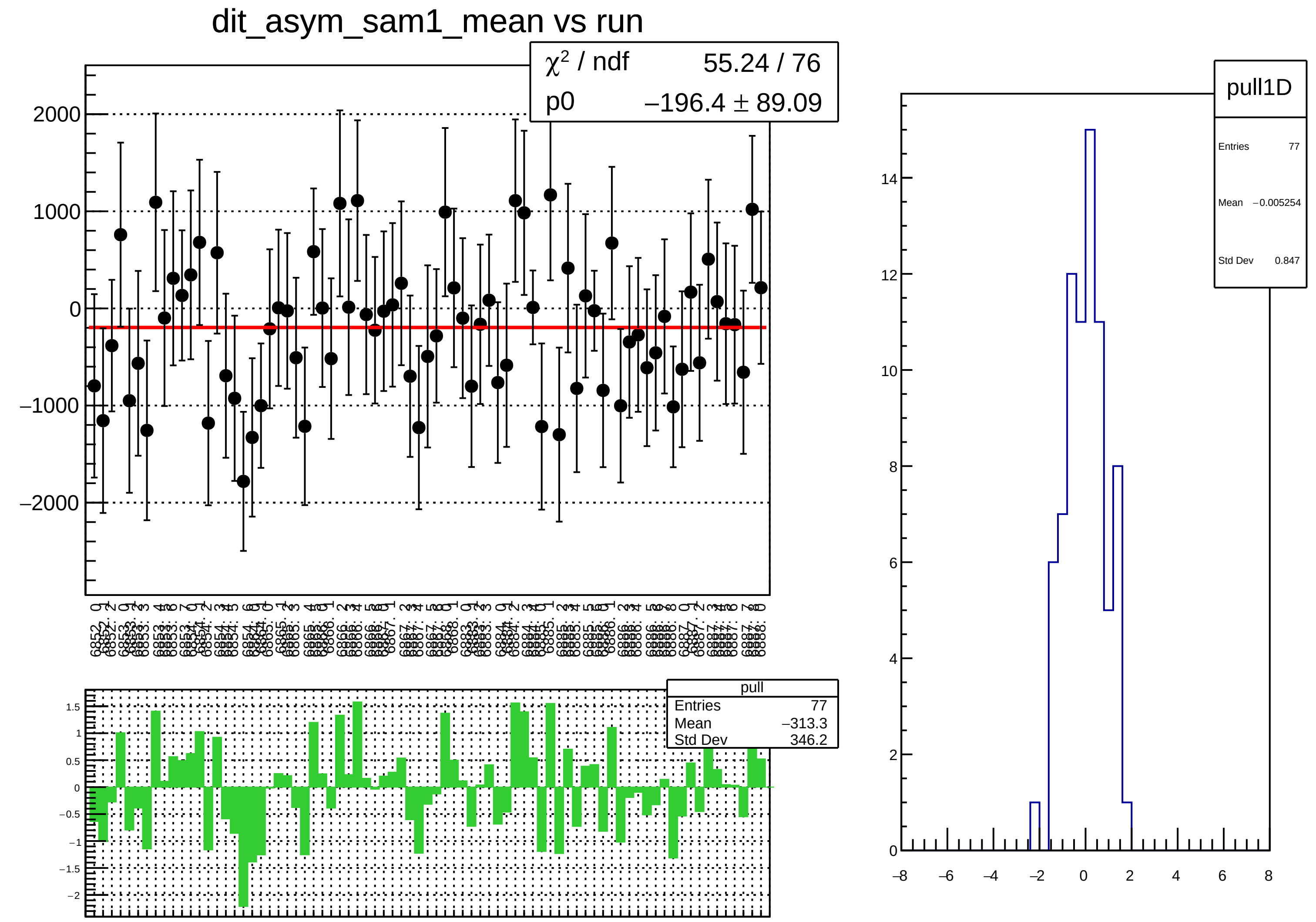

asym_atr2_correction_rms vs run
$\chi^2$ / ndf 5.234e+04 / 76
p0 8103 ± 6.484
12000
11000
10000
9000
8000
7000



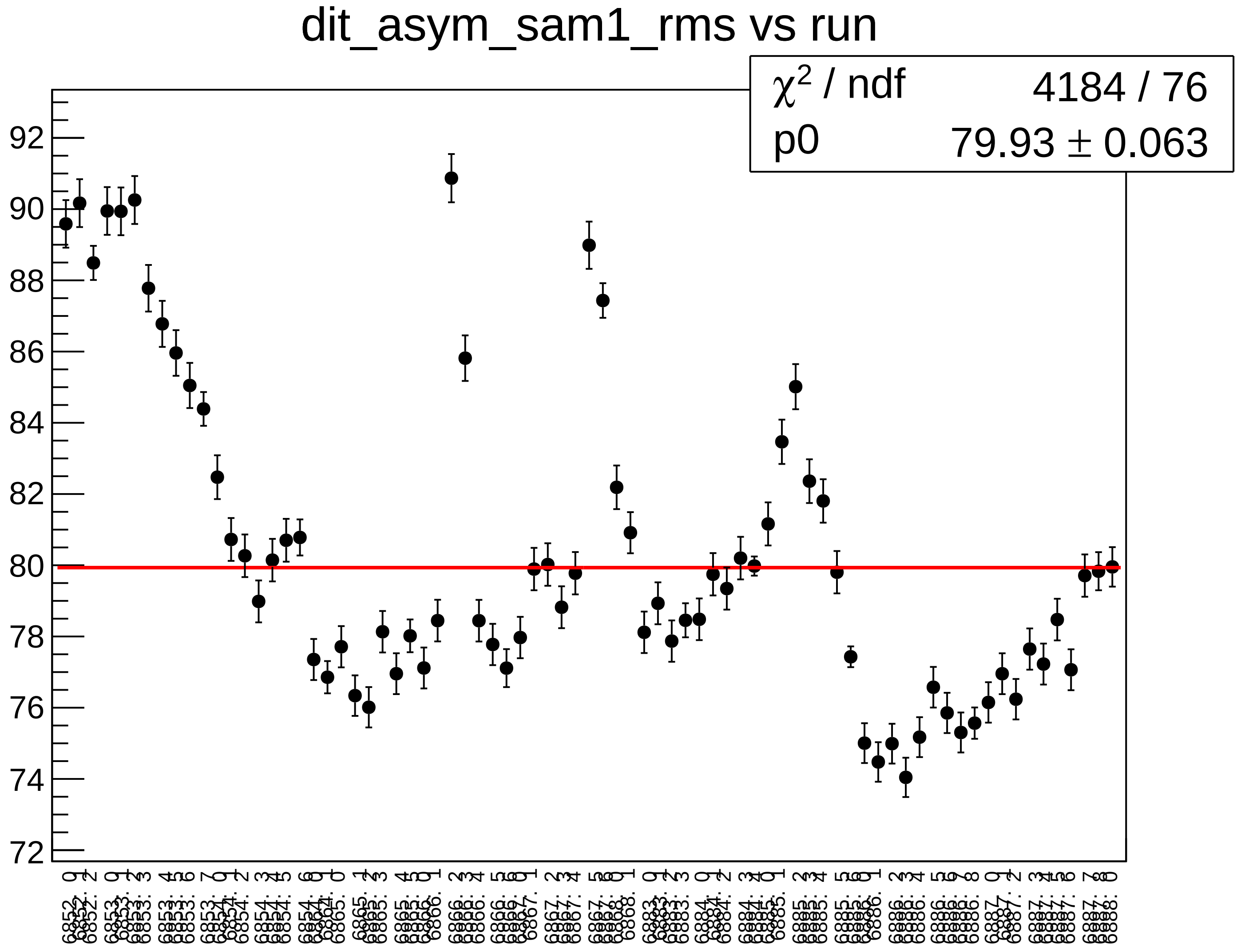
asym_atr2_mean vs run
×10^3
χ2 / ndf 76.31 / 76
p0 5826 ± 9600
pull
Entries 77
Mean 40.77
Std Dev 56.68
pull1D
Entries 77
Mean −0.01546
Std Dev 0.9954

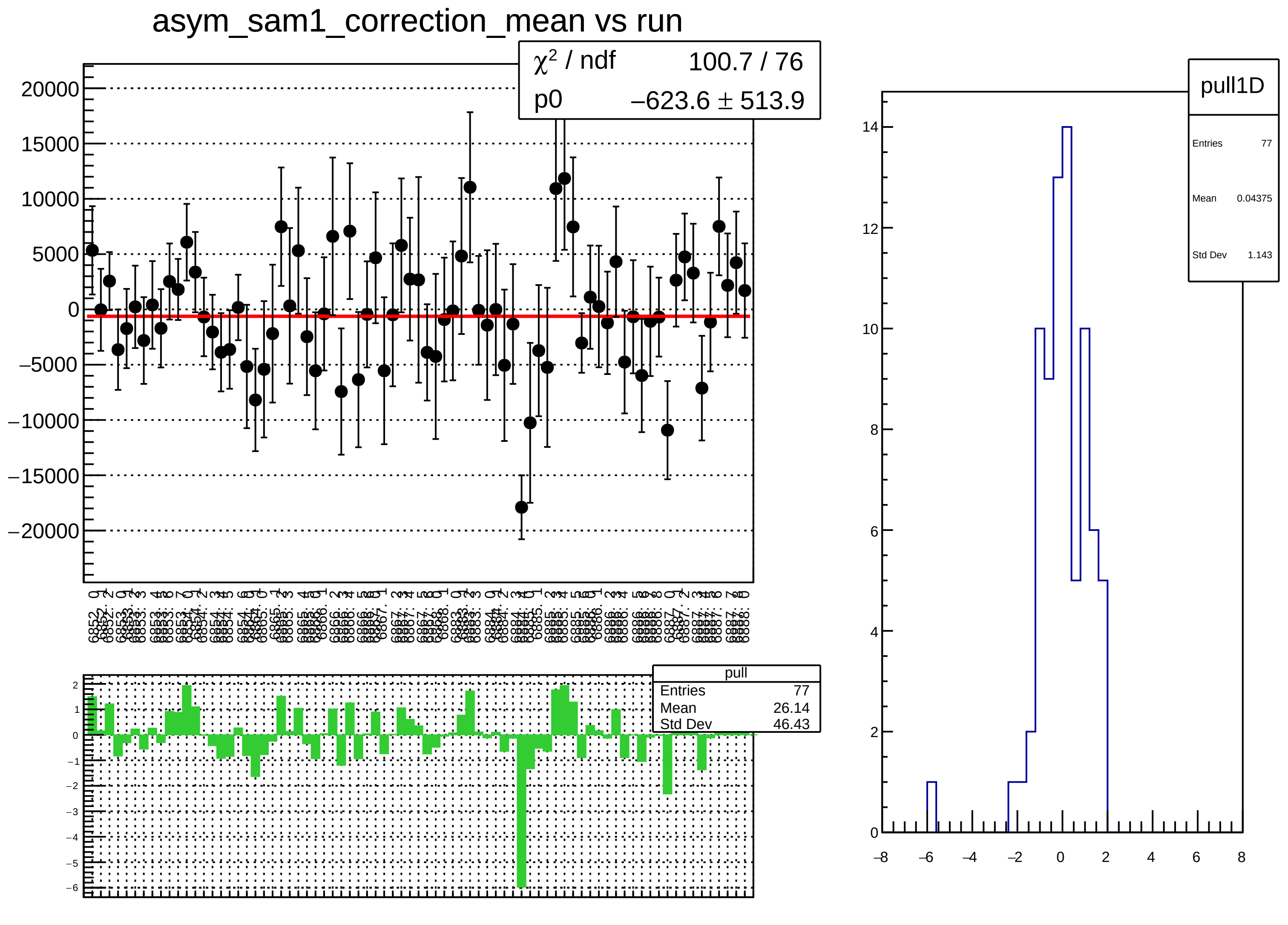


asym_atr2_rms vs run
χ2 / ndf 4.566e+04 / 76
p0 8502 ± 6.788
12000
11000
10000
9000
8000
7000

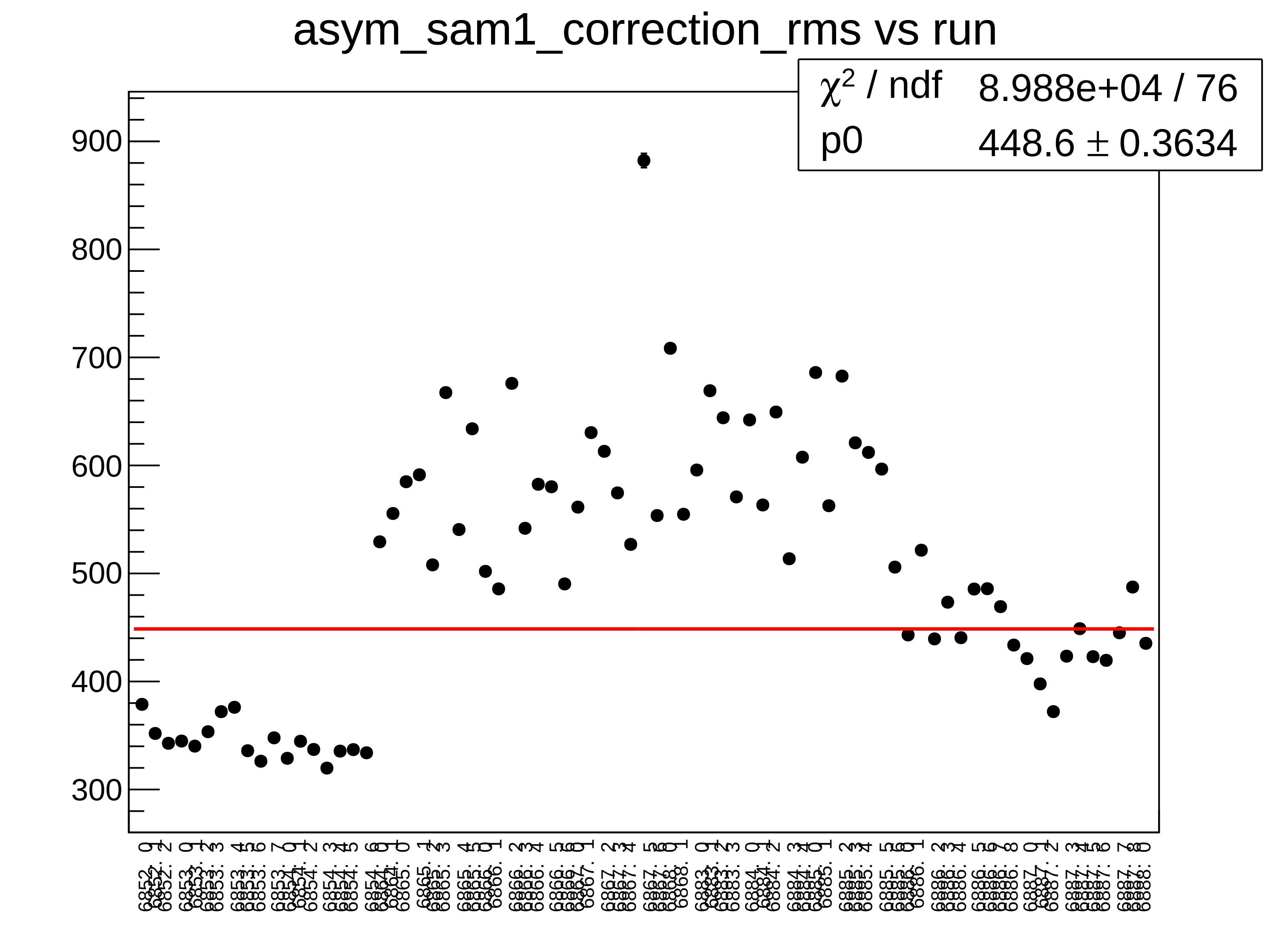


dit_asym_sam1_mean vs run
χ2 / ndf 55.24 / 76
p0 −196.4 ± 89.09
pull
Entries 77
Mean −313.3
Std Dev 346.2
pull1D
Entries 77
Mean −0.005254
Std Dev 0.847

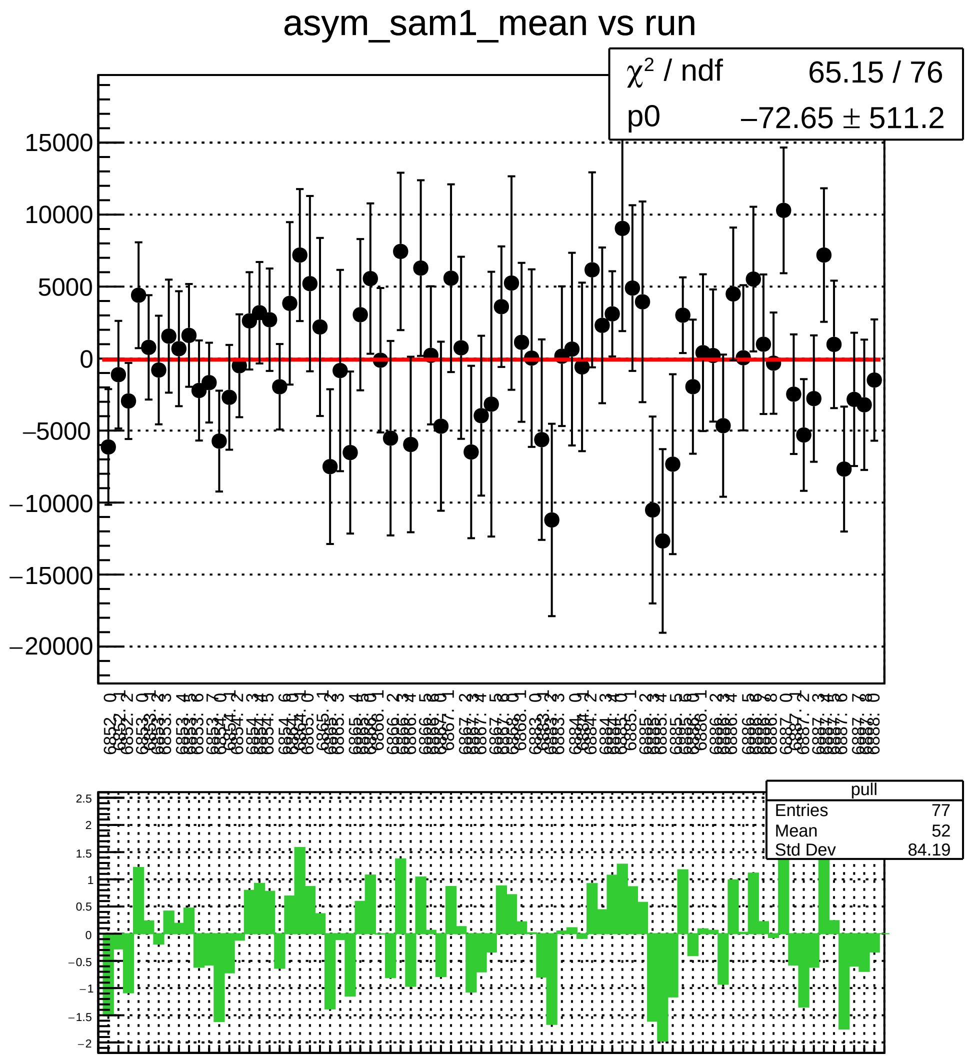

dit_asym_sam1_rms vs run
$\chi^2$ / ndf 4184 / 76
p0 79.93 ± 0.063
92
90
88
86
84
82
80
78
76
74
72



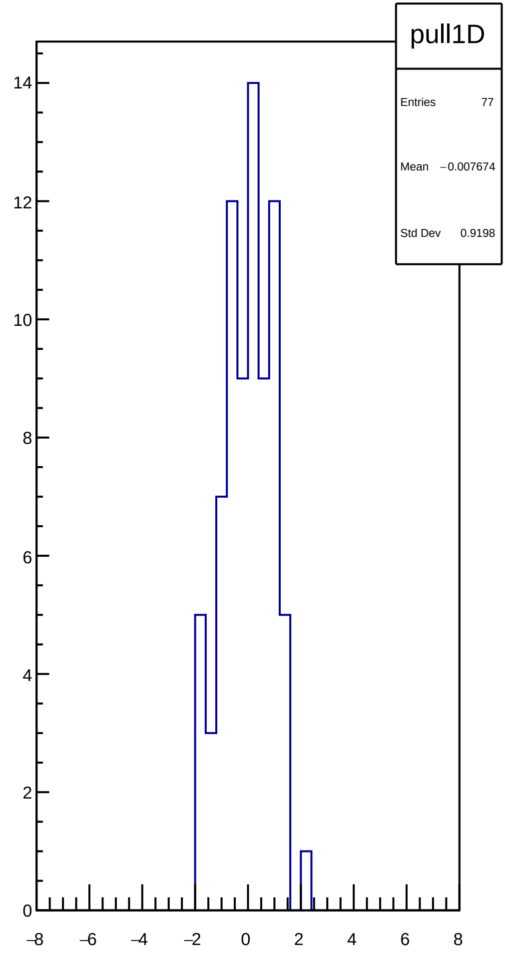
asym_sam1_correction_mean vs run
χ2 / ndf 100.7 / 76
p0 −623.6 ± 513.9
pull
Entries 77
Mean 26.14
Std Dev 46.43
pull1D
Entries 77
Mean 0.04375
Std Dev 1.143



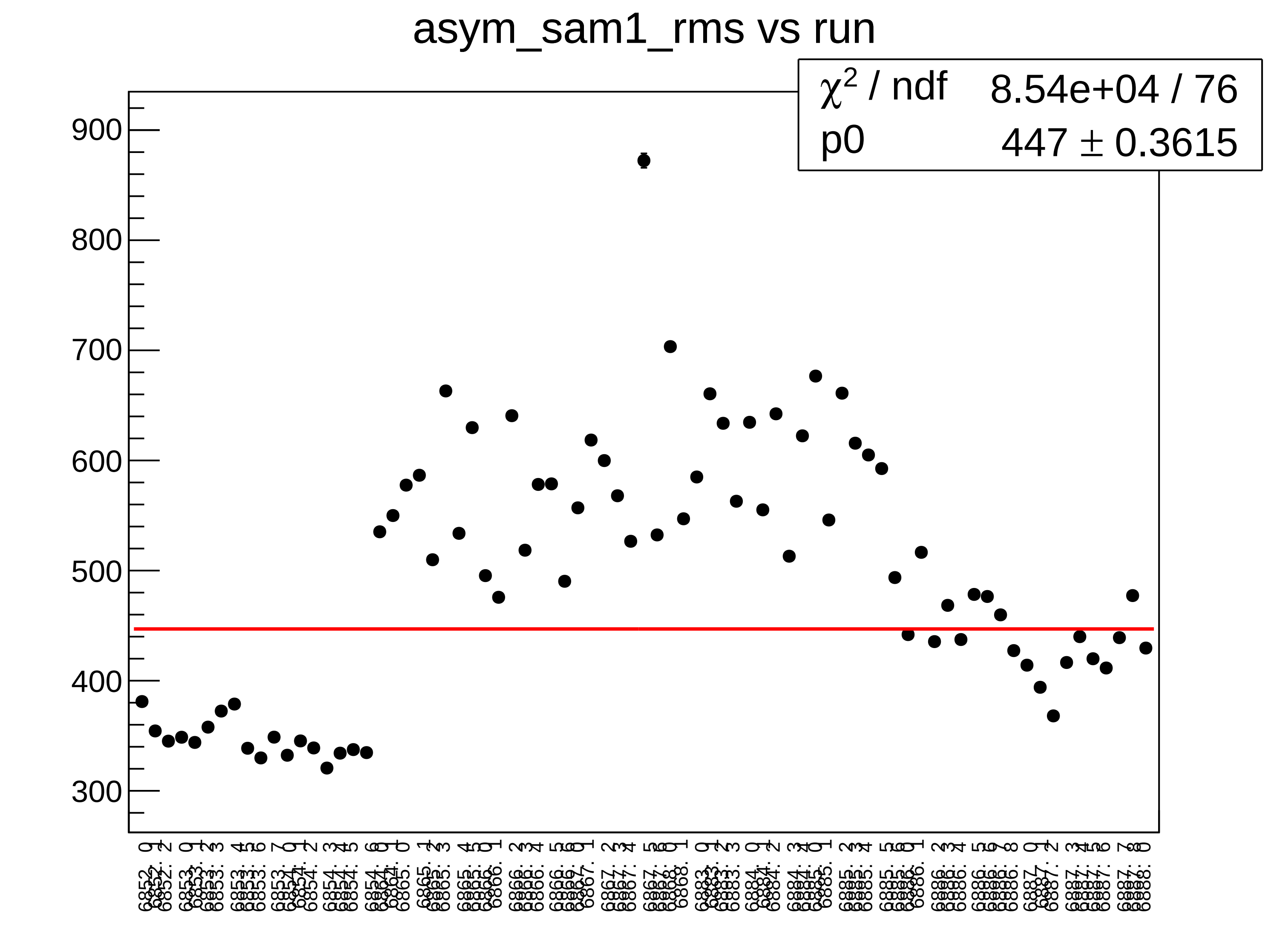
asym_sam1_correction_rms vs run
$\chi^2$ / ndf 8.988e+04 / 76
p0 448.6 ± 0.3634
900
800
700
600
500
400
300

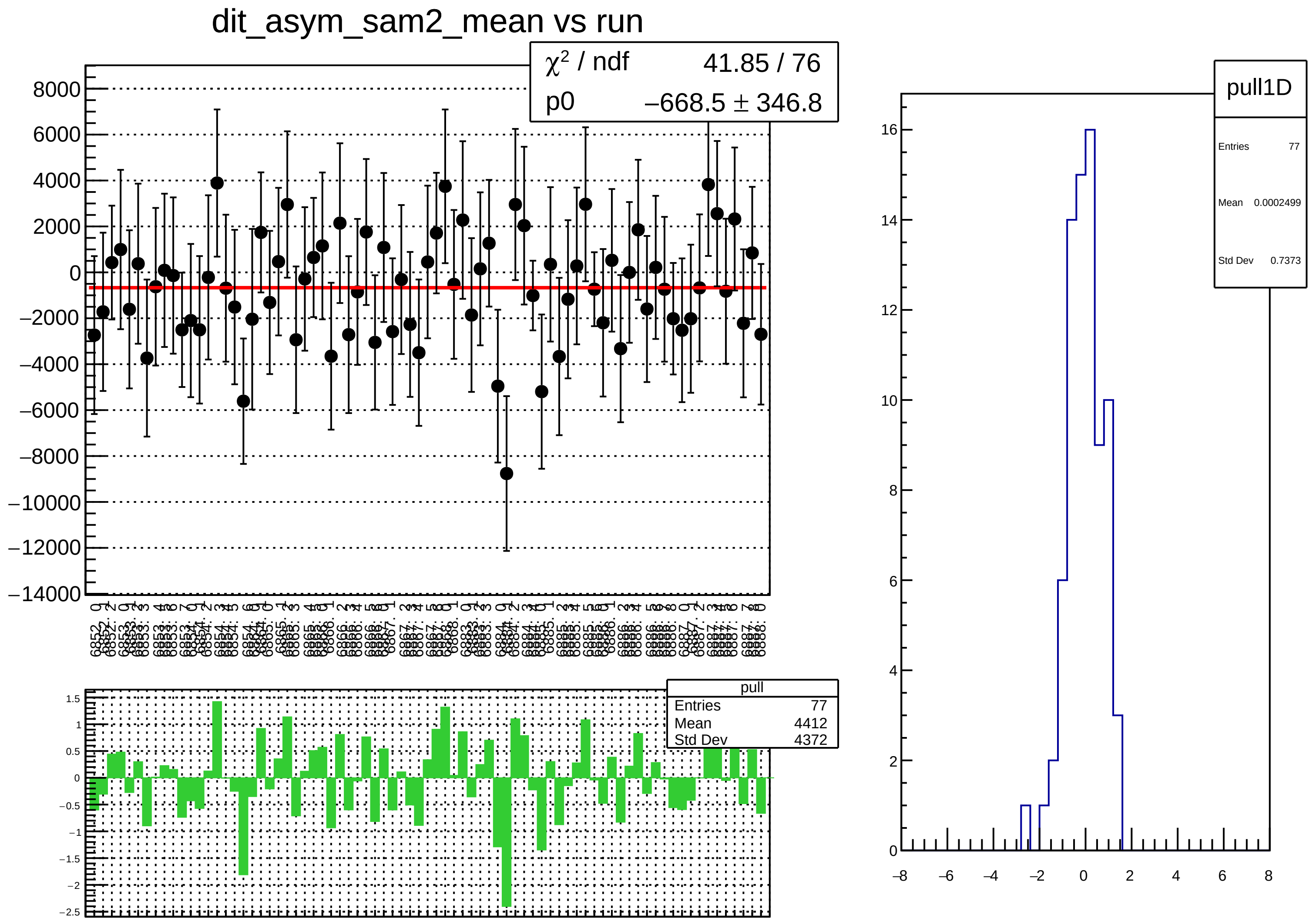


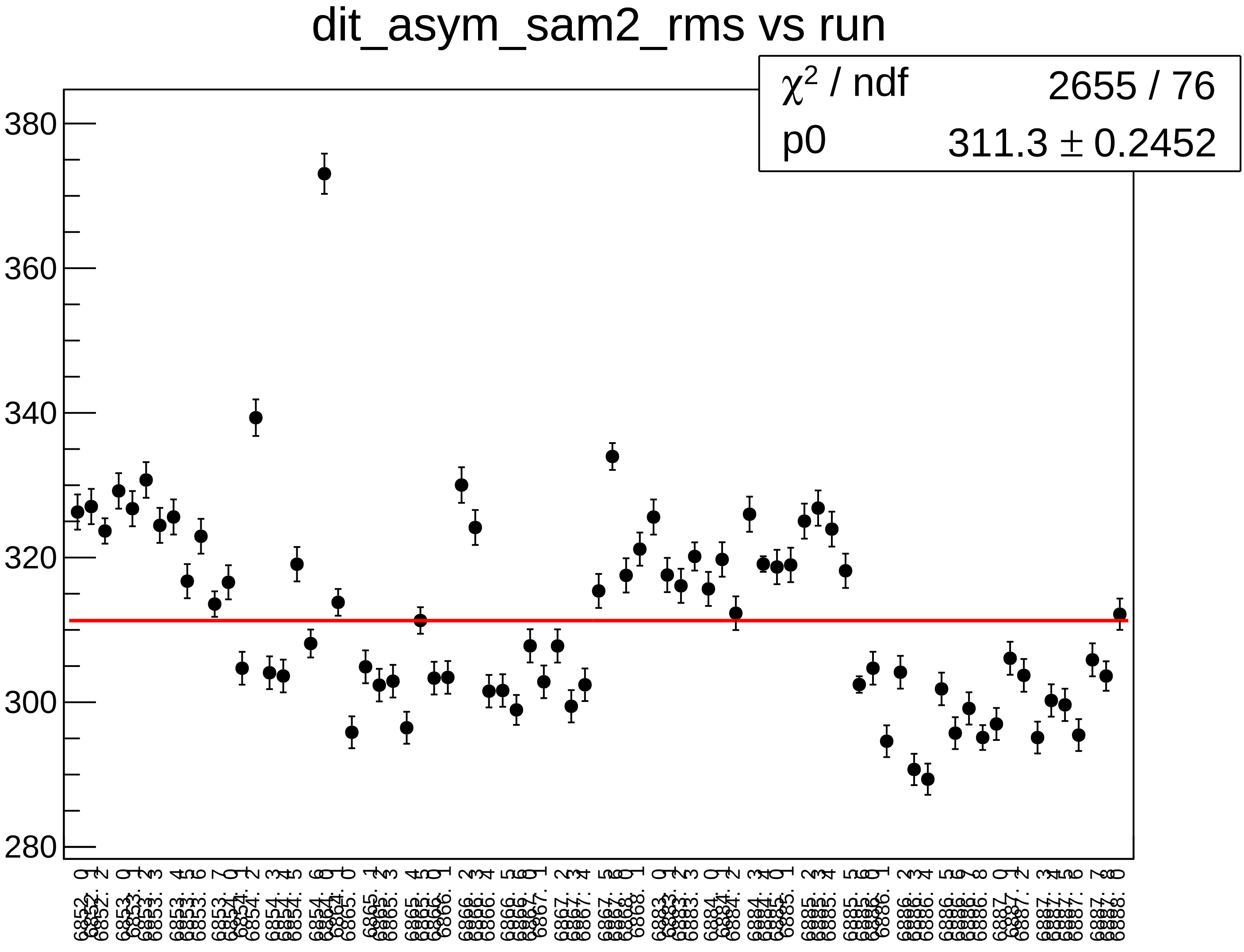
asym_sam1_mean vs run
$\chi^2$ / ndf 65.15 / 76
p0 −72.65 ± 511.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 77
Mean 52
Std Dev 84.19

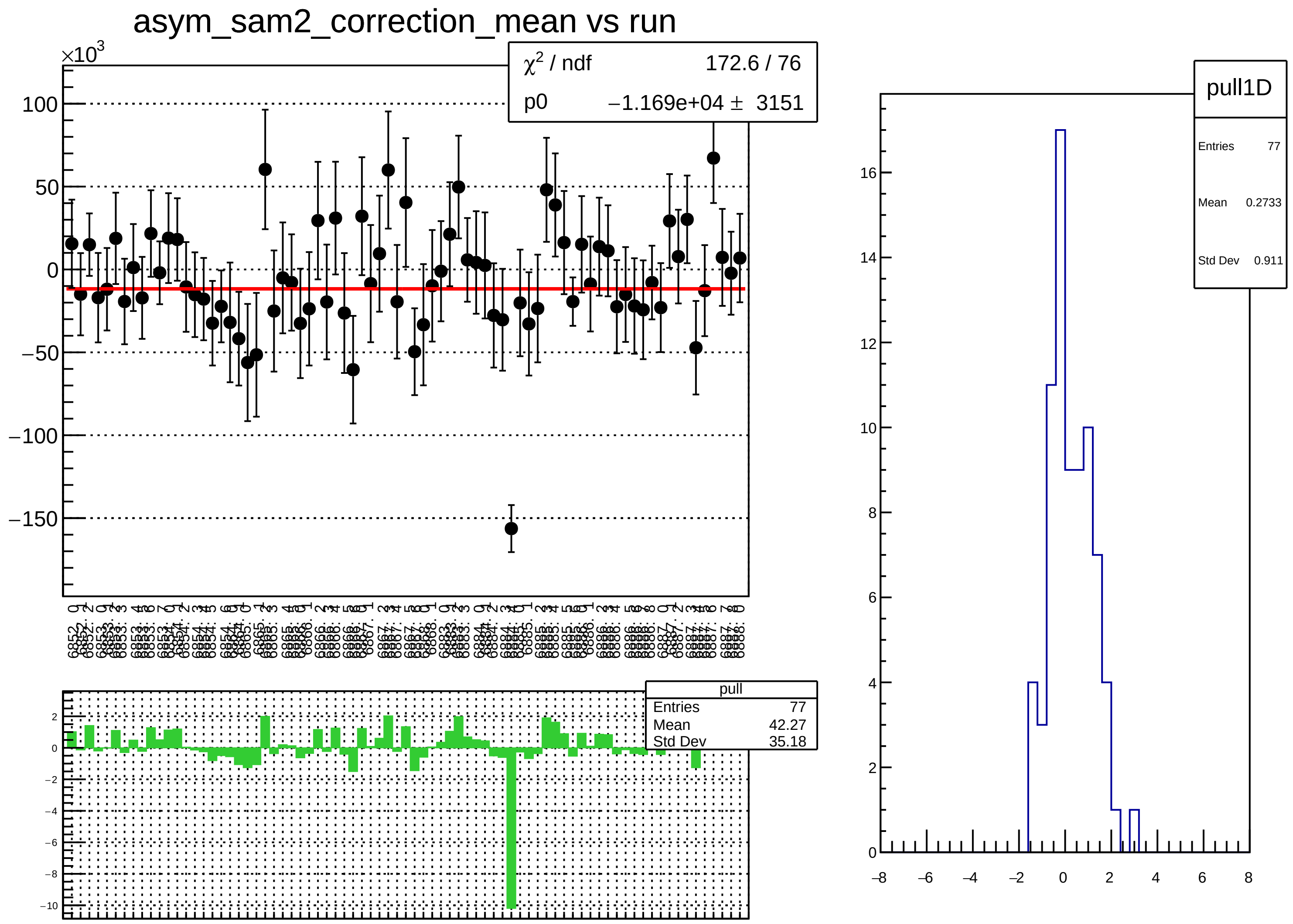
pull1D
Entries 77
Mean −0.007674
Std Dev 0.9198


asym_sam1_rms vs run
χ2 / ndf 8.54e+04 / 76
p0 447 ± 0.3615
900
800
700
600
500
400
300

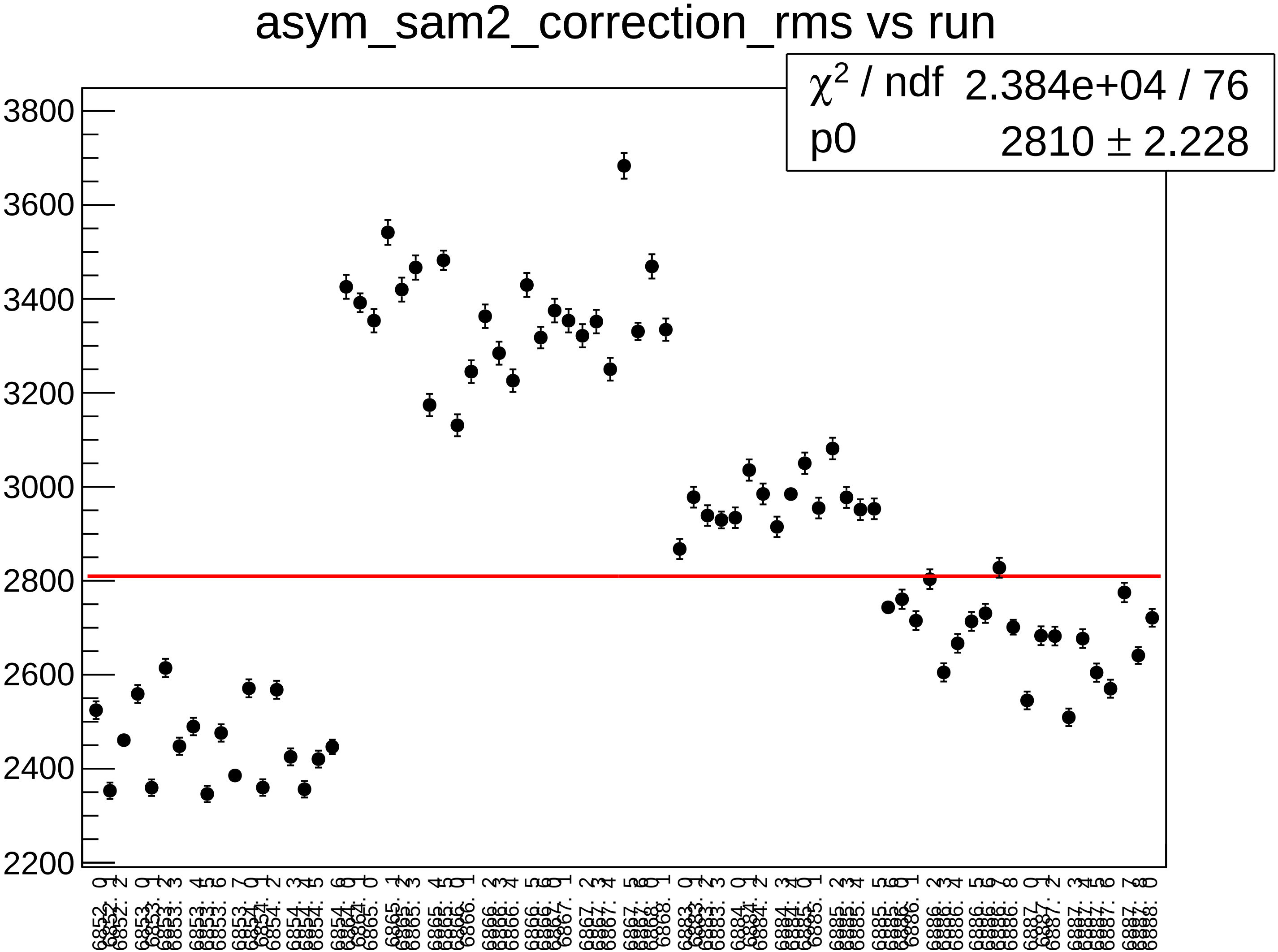

dit_asym_sam2_mean vs run
$\chi^2$ / ndf 41.85 / 76
p0 −668.5 ± 346.8
pull
Entries 77
Mean 4412
Std Dev 4372
pull1D
Entries 77
Mean 0.0002499
Std Dev 0.7373



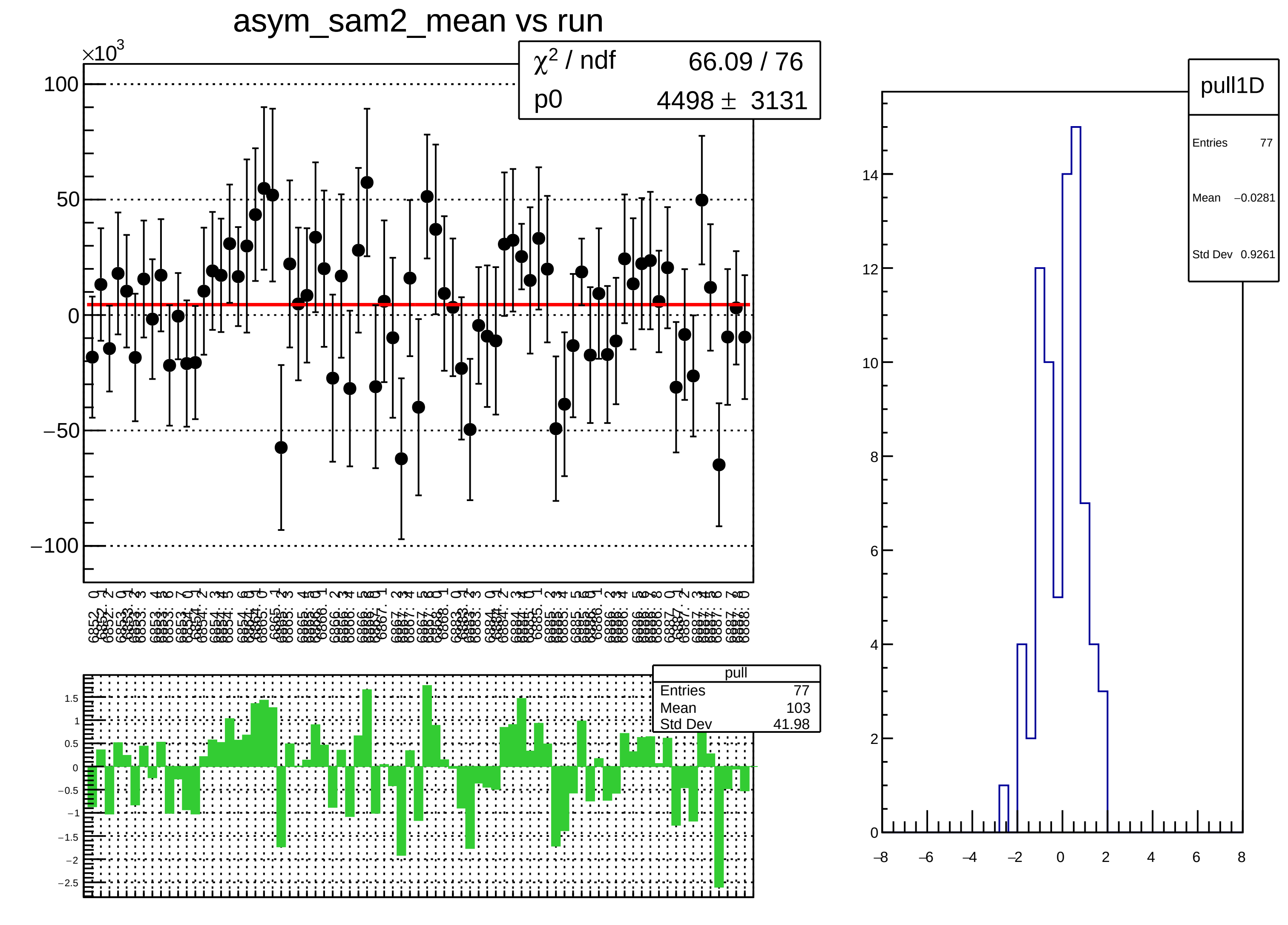
dit_asym_sam2_rms vs run
$\chi^2$ / ndf 2655 / 76
p0 311.3 ± 0.2452
380
360
340
320
300
280

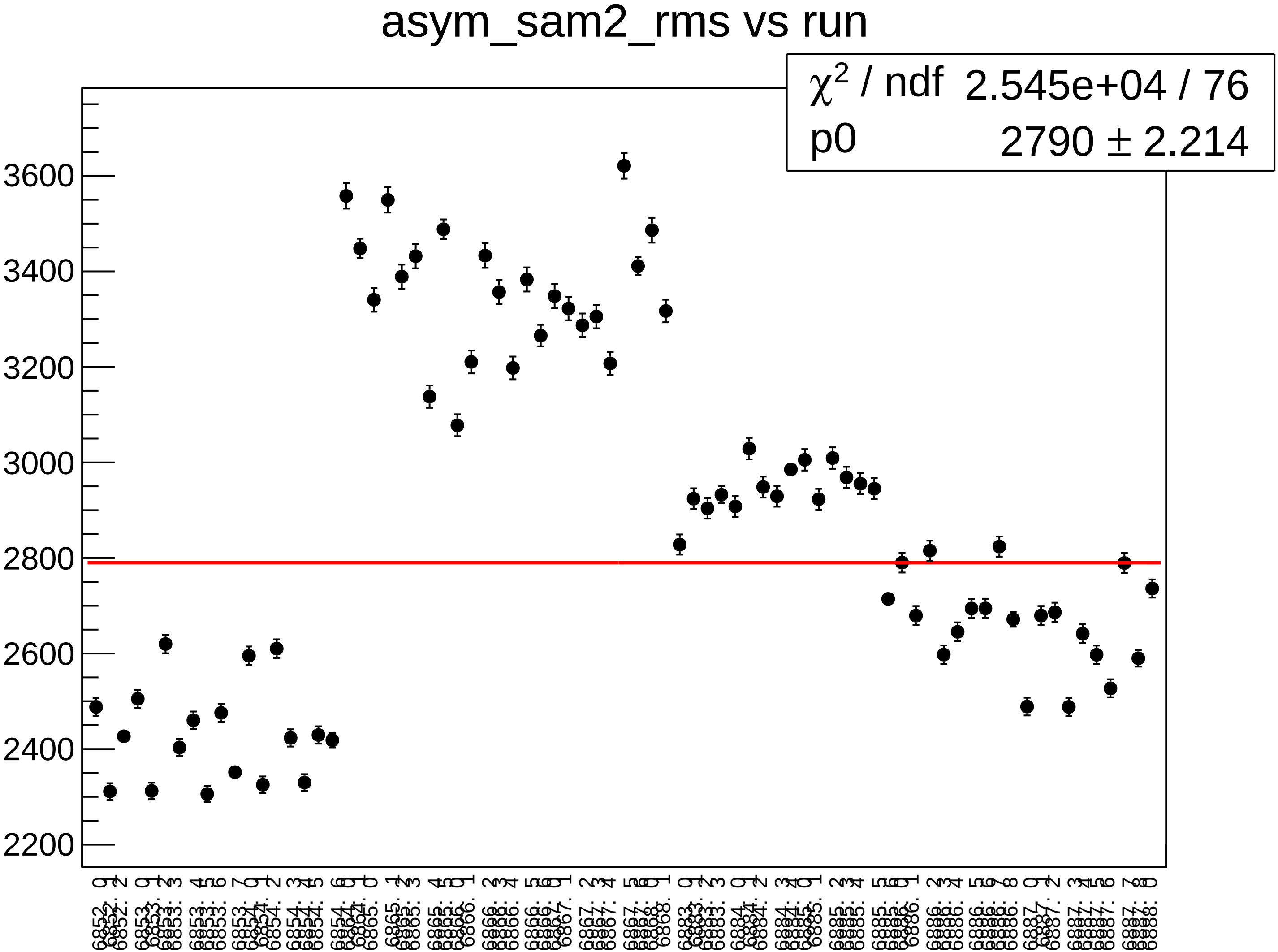


asym_sam2_correction_mean vs run
$\chi^2$ / ndf 172.6 / 76
p0 −1.169e+04 ± 3151
×10^3
pull
Entries 77
Mean 42.27
Std Dev 35.18
pull1D
Entries 77
Mean 0.2733
Std Dev 0.911

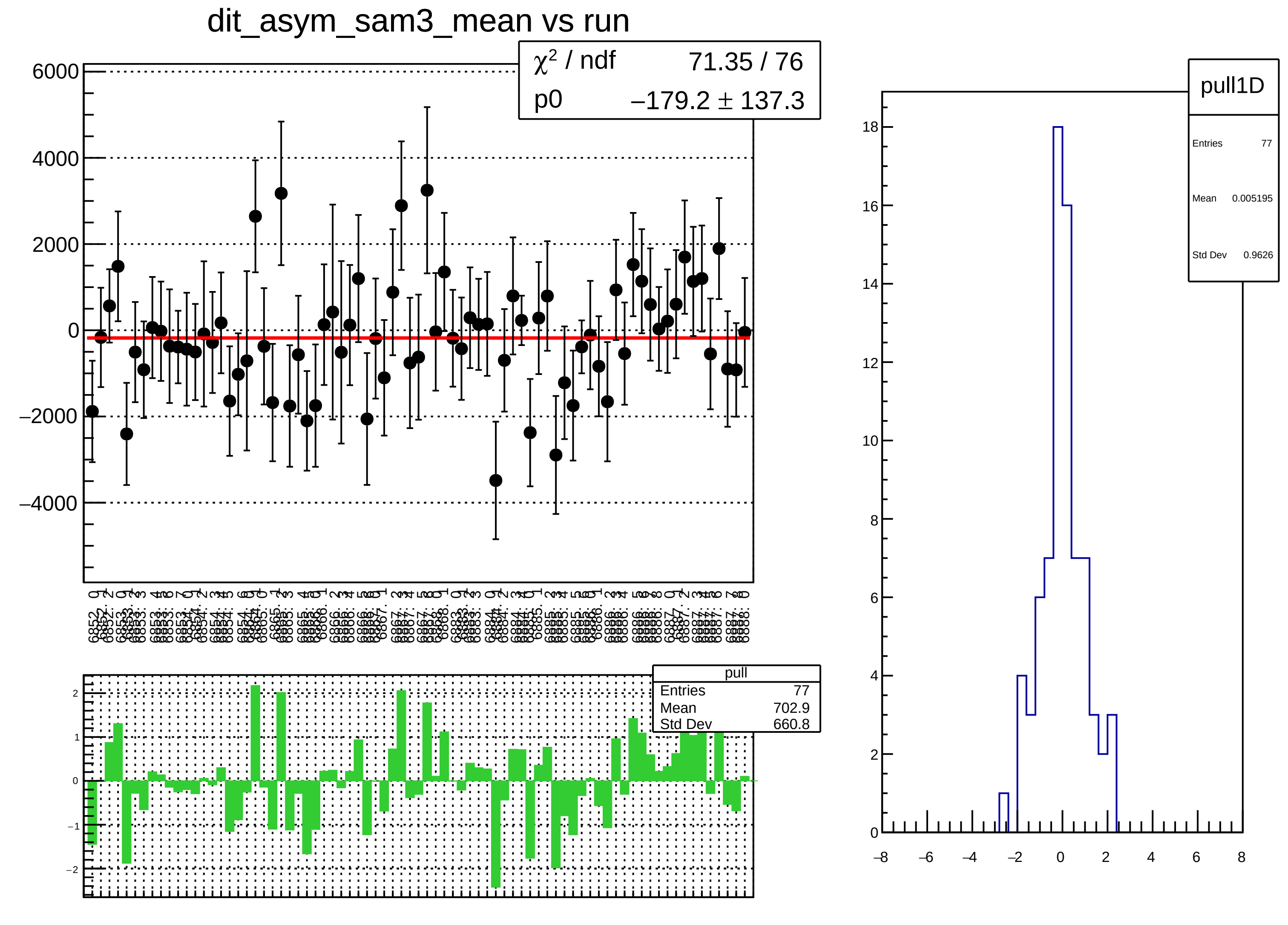


asym_sam2_correction_rms vs run
$\chi^2$ / ndf 2.384e+04 / 76
p0 2810 ± 2.228
3800
3600
3400
3200
3000
2800
2600
2400
2200

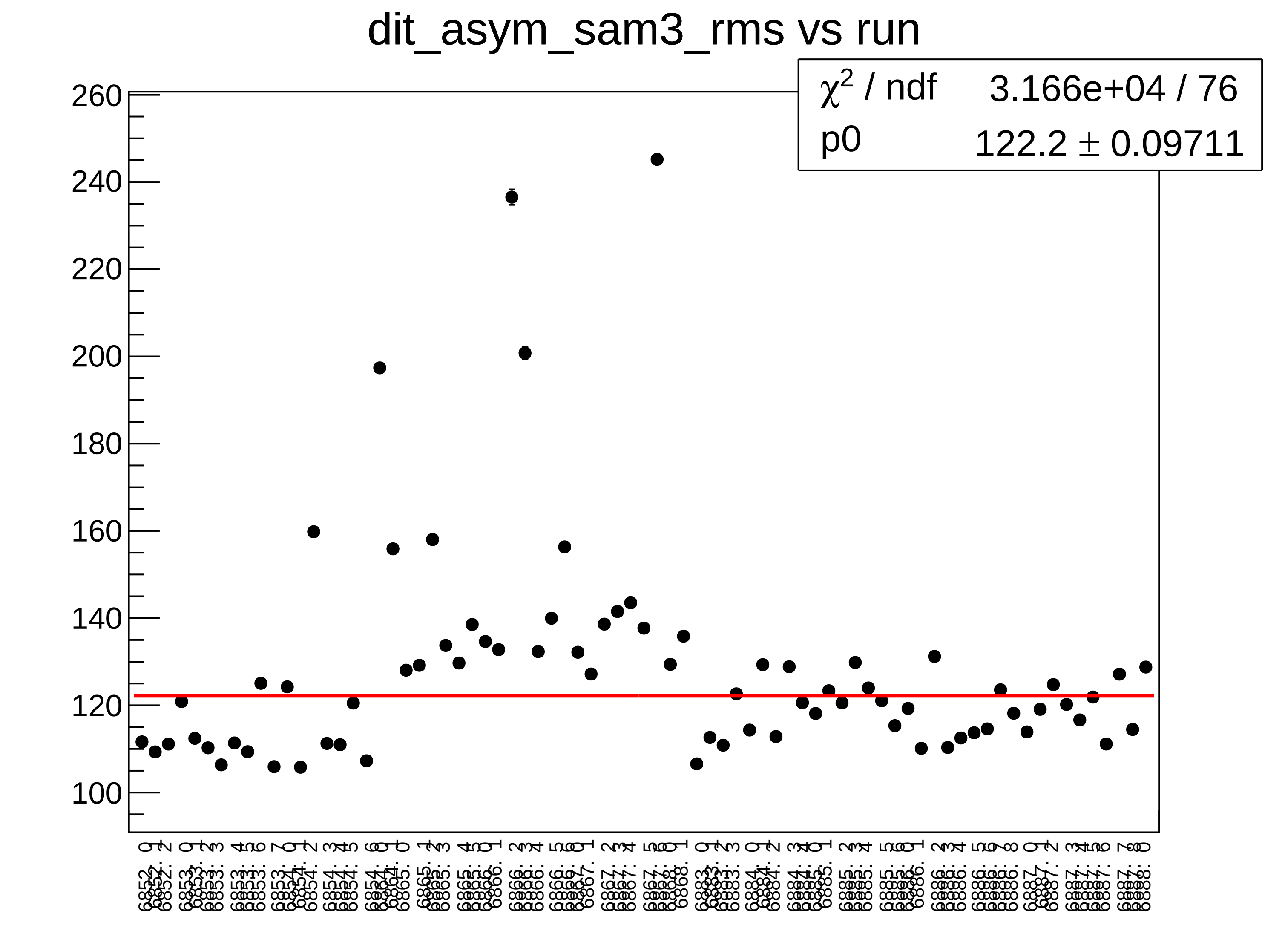

asym_sam2_mean vs run
$\times10^3$
$\chi^2$ / ndf 66.09 / 76
p0 4498 ± 3131
pull
Entries 77
Mean 103
Std Dev 41.98
pull1D
Entries 77
Mean −0.0281
Std Dev 0.9261



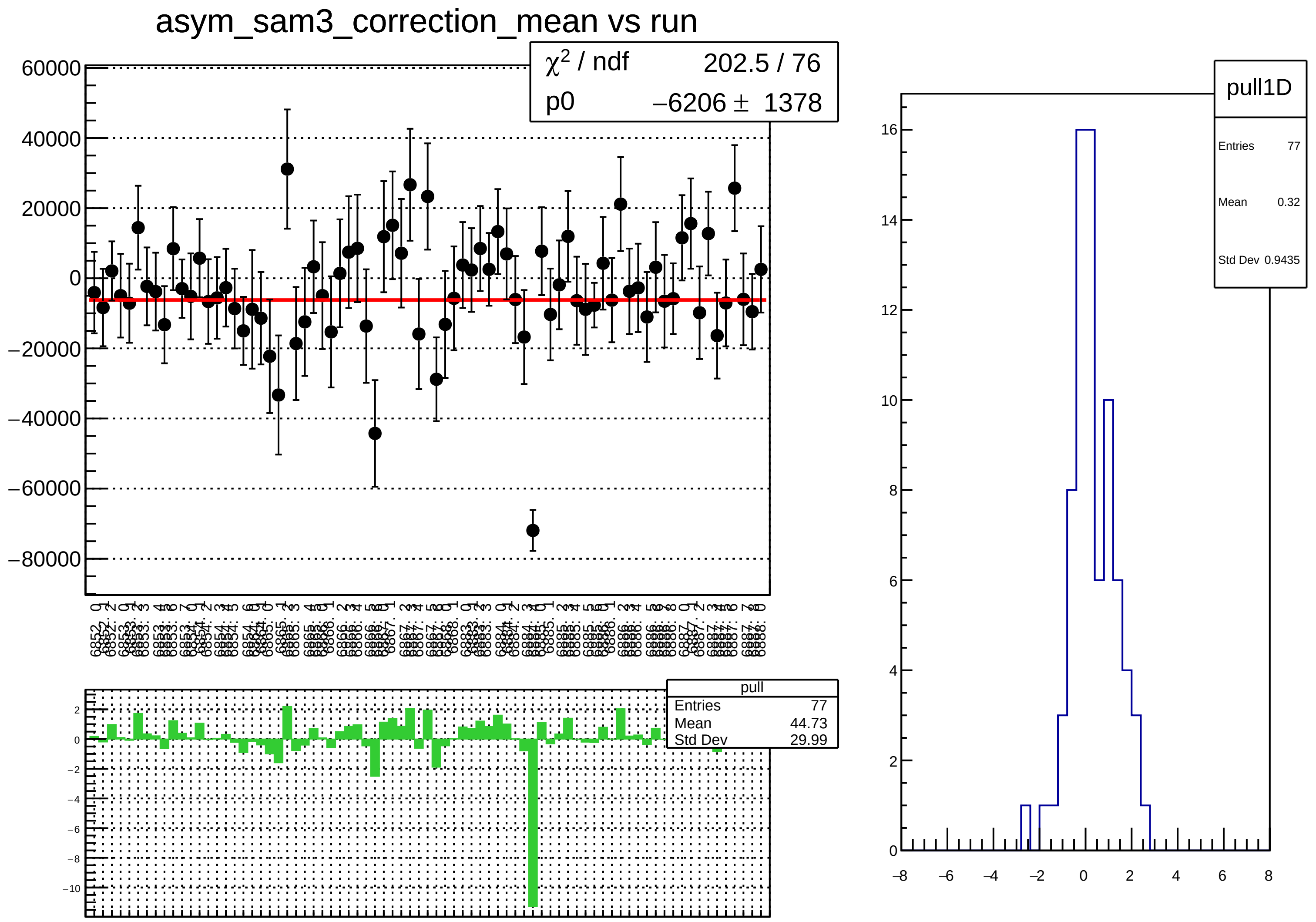
asym_sam2_rms vs run
χ2 / ndf 2.545e+04 / 76
p0 2790 ± 2.214
3600
3400
3200
3000
2800
2600
2400
2200

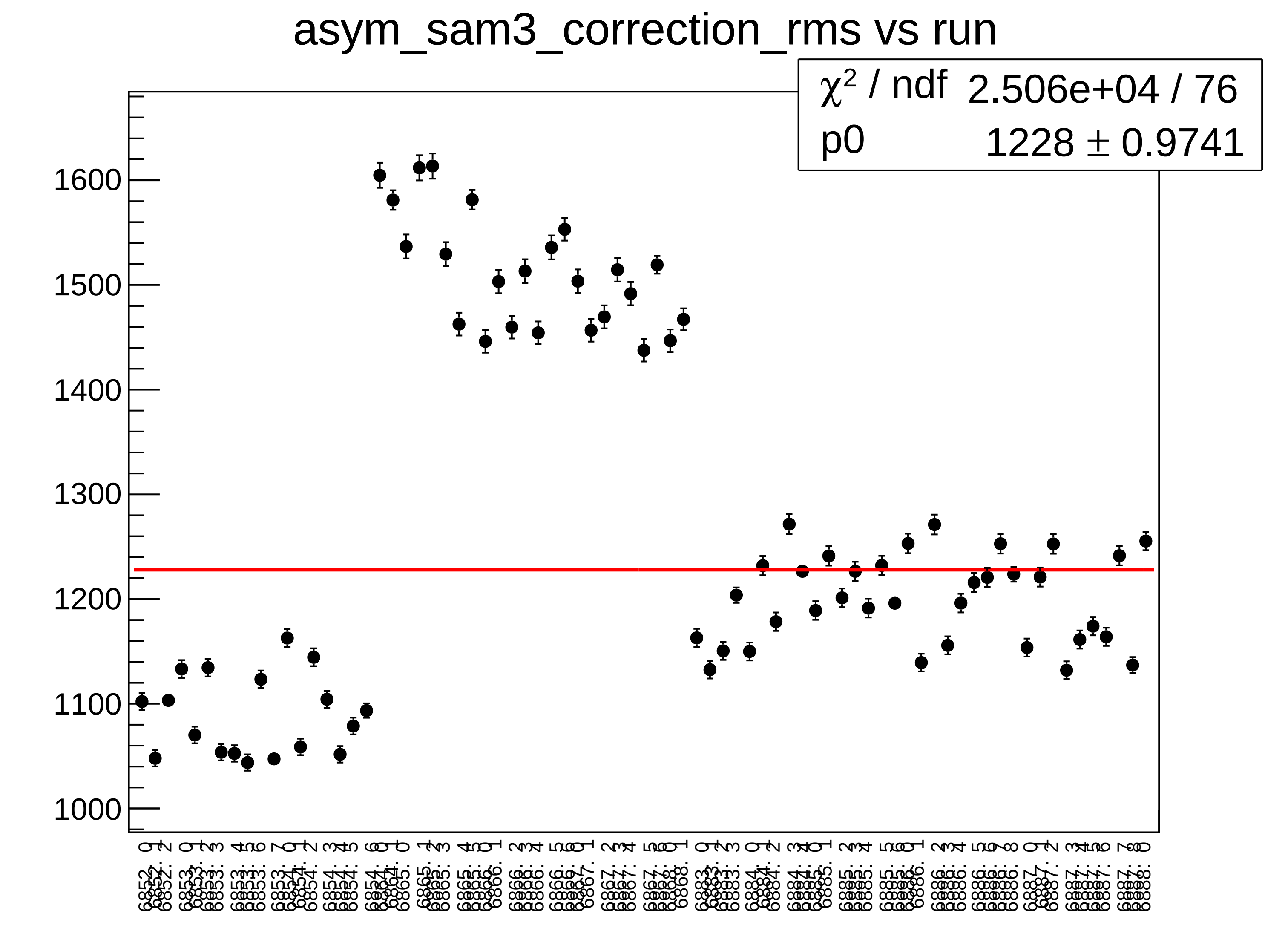


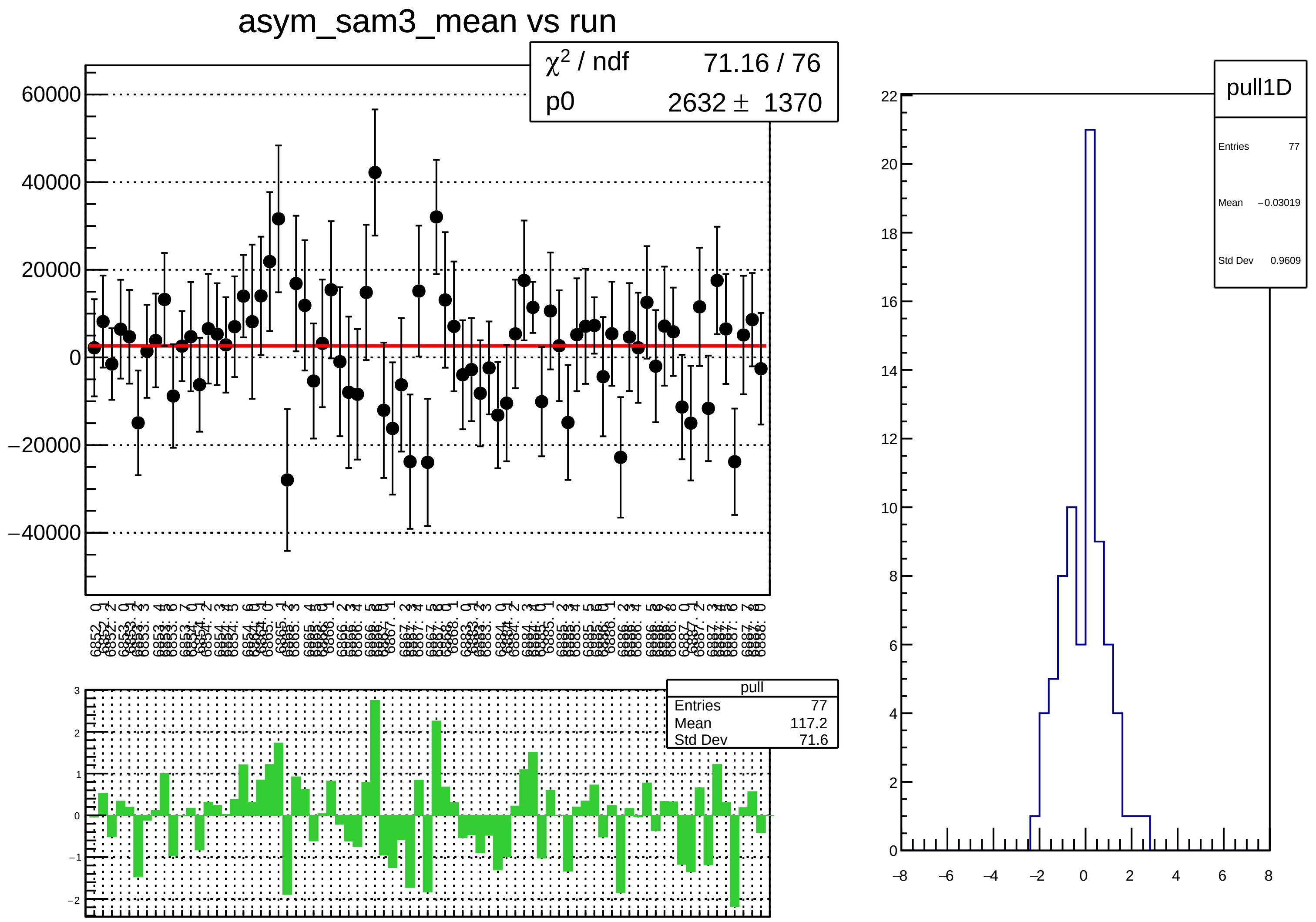
dit_asym_sam3_mean vs run
$\chi^2$ / ndf 71.35 / 76
p0 −179.2 ± 137.3
pull
Entries 77
Mean 702.9
Std Dev 660.8
pull1D
Entries 77
Mean 0.005195
Std Dev 0.9626



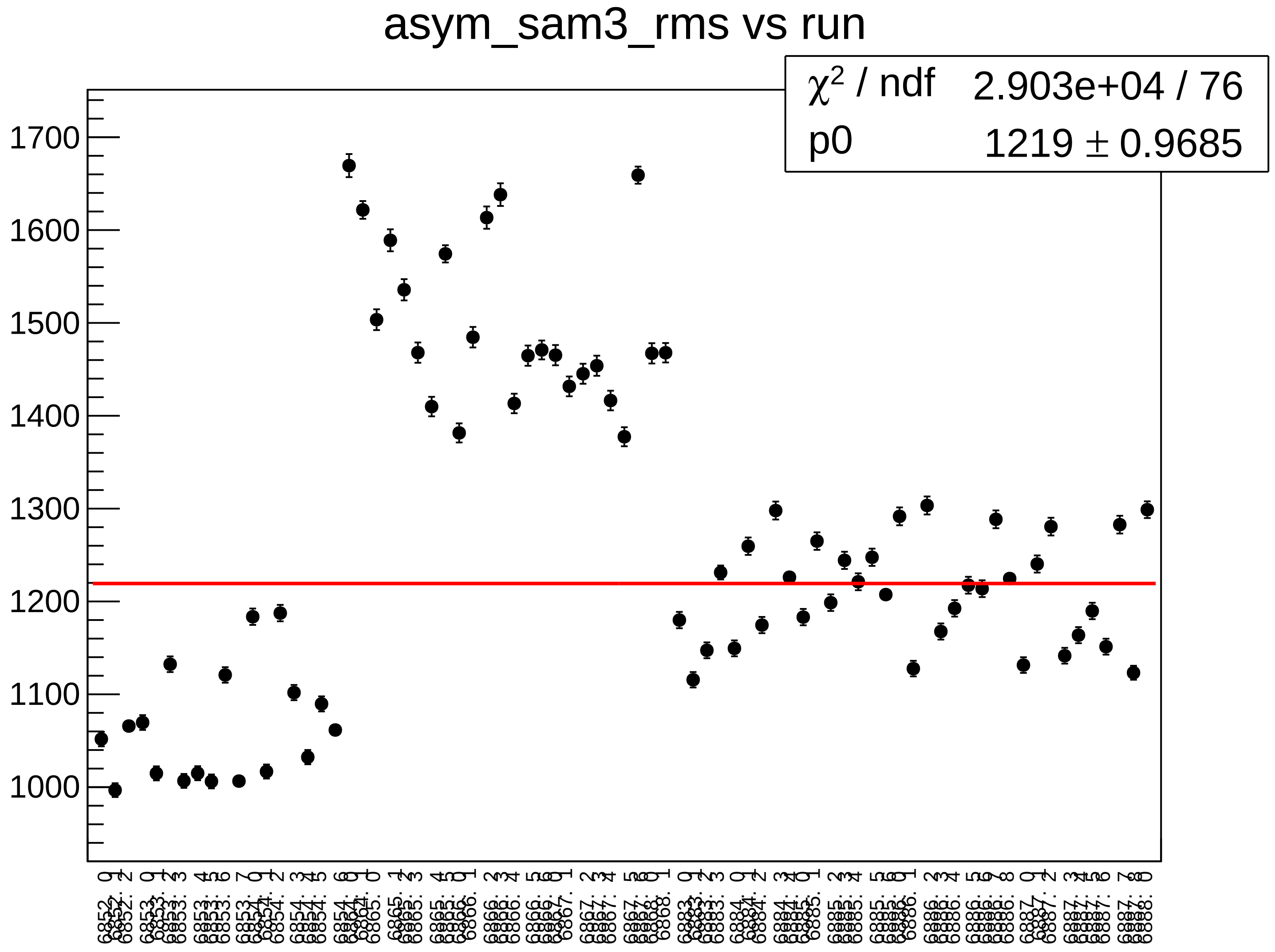
dit_asym_sam3_rms vs run
χ2 / ndf 3.166e+04 / 76
p0 122.2 ± 0.09711
260
240
220
200
180
160
140
120
100

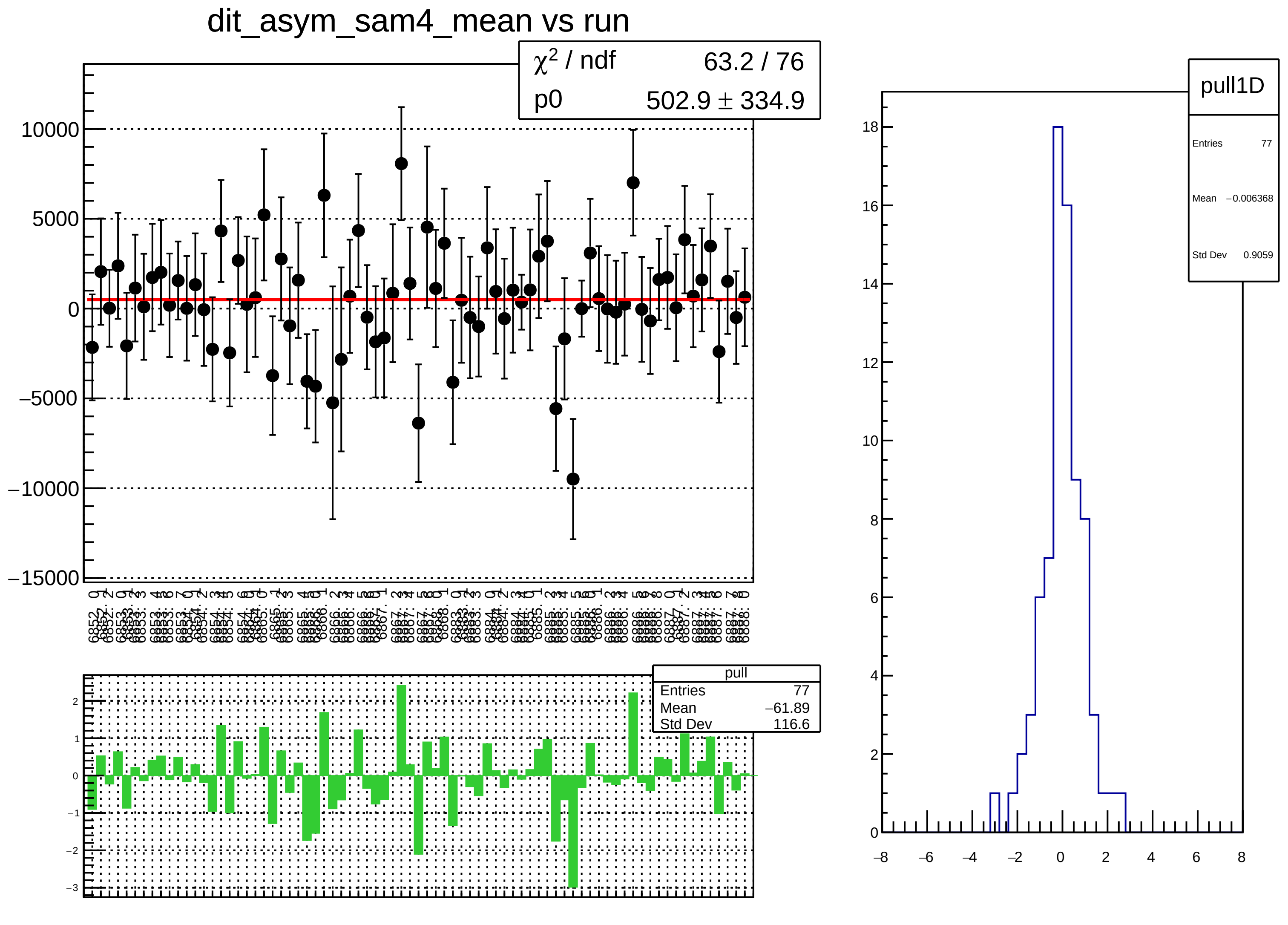

asym_sam3_correction_mean vs run
$\chi^2$ / ndf 202.5 / 76
p0 −6206 ± 1378
pull
Entries 77
Mean 44.73
Std Dev 29.99
pull1D
Entries 77
Mean 0.32
Std Dev 0.9435


asym_sam3_correction_rms vs run
$\chi^2$ / ndf 2.506e+04 / 76
p0 1228 ± 0.9741
1600
1500
1400
1300
1200
1100
1000

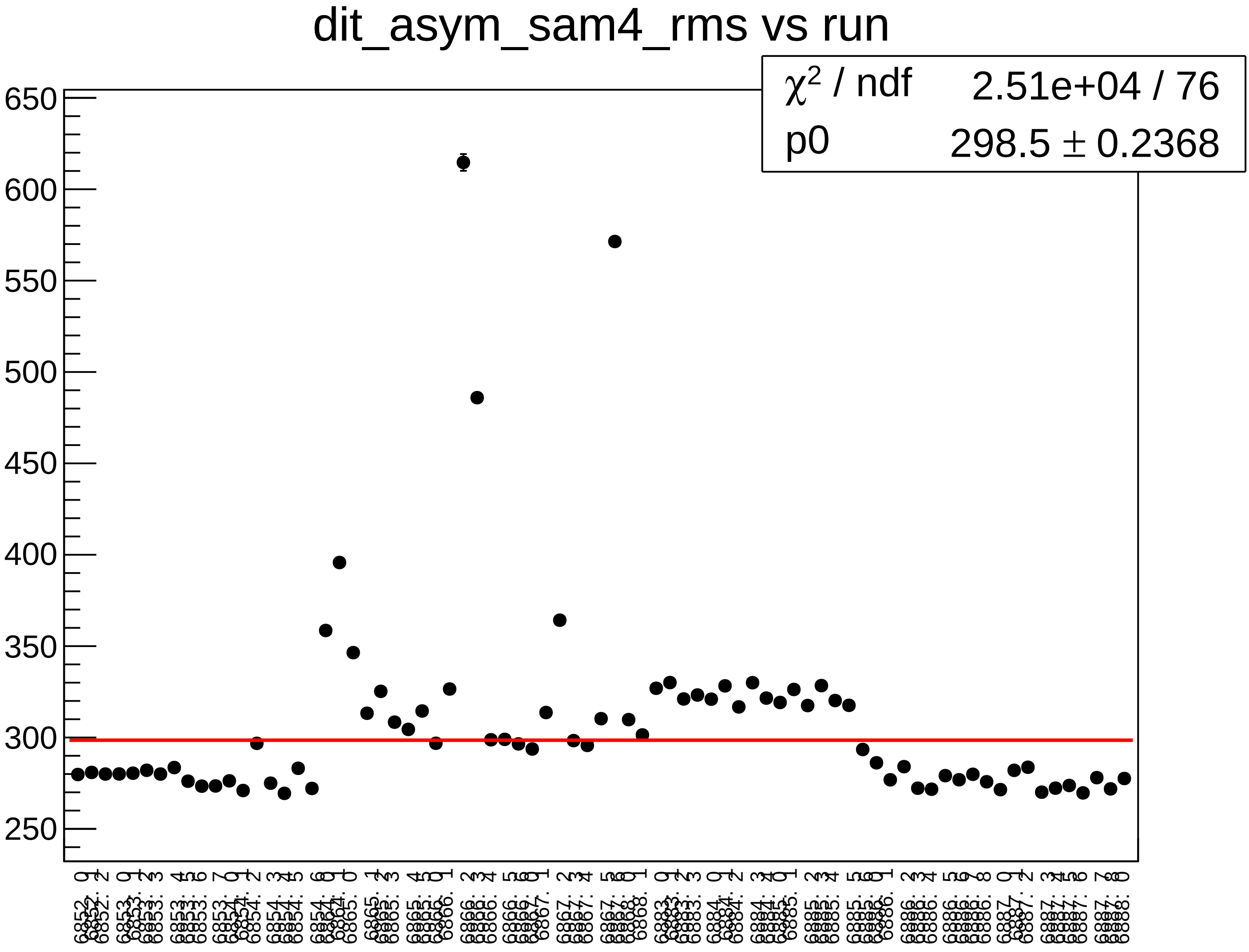


asym_sam3_mean vs run
$\chi^2$ / ndf 71.16 / 76
p0 2632 ± 1370
pull
Entries 77
Mean 117.2
Std Dev 71.6
pull1D
Entries 77
Mean −0.03019
Std Dev 0.9609

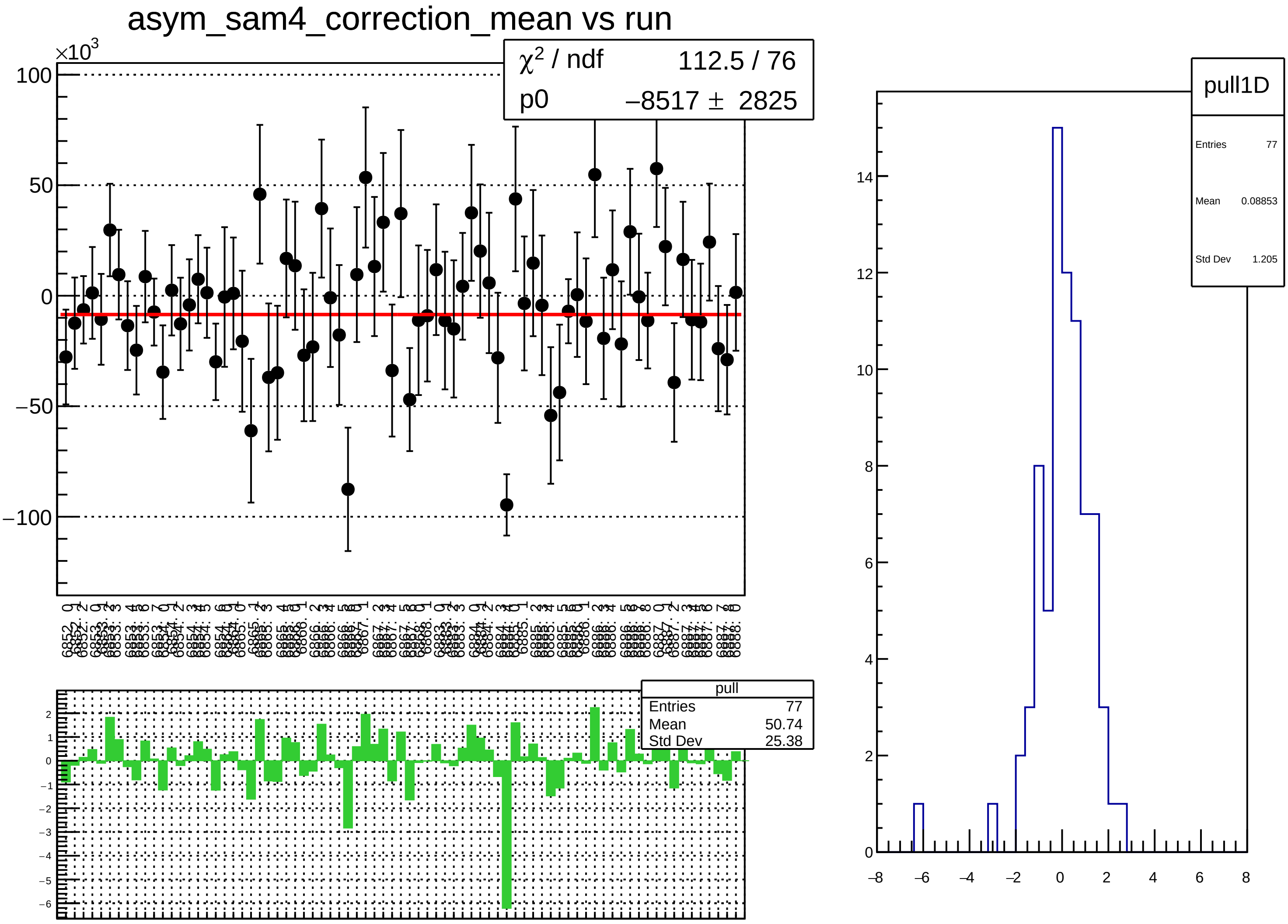

asym_sam3_rms vs run
χ2 / ndf 2.903e+04 / 76
p0 1219 ± 0.9685
1700
1600
1500
1400
1300
1200
1100
1000



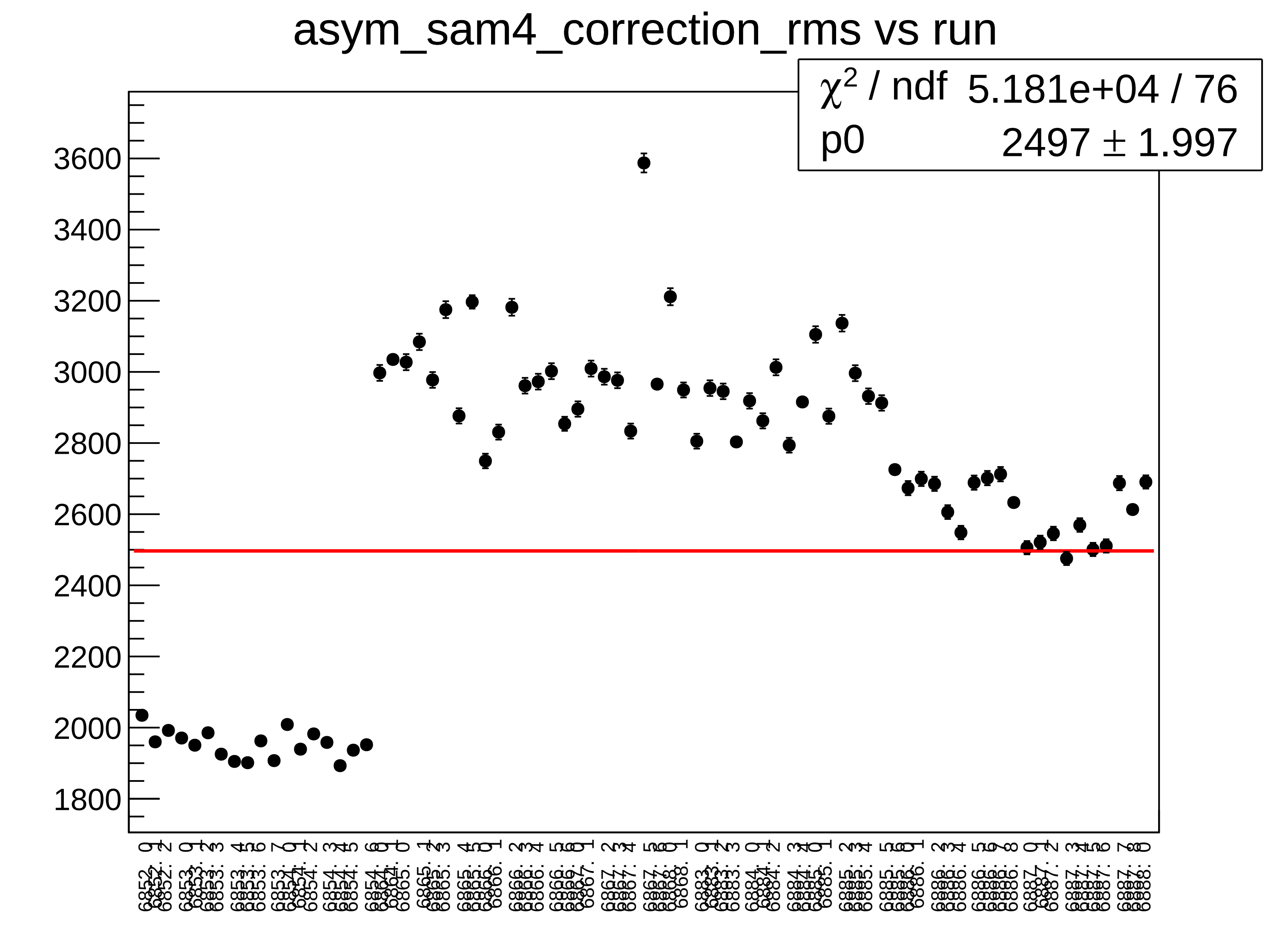
dit_asym_sam4_mean vs run
$\chi^2$ / ndf 63.2 / 76
p0 502.9 ± 334.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean −61.89
Std Dev 116.6
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean −0.006368
Std Dev 0.9059
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

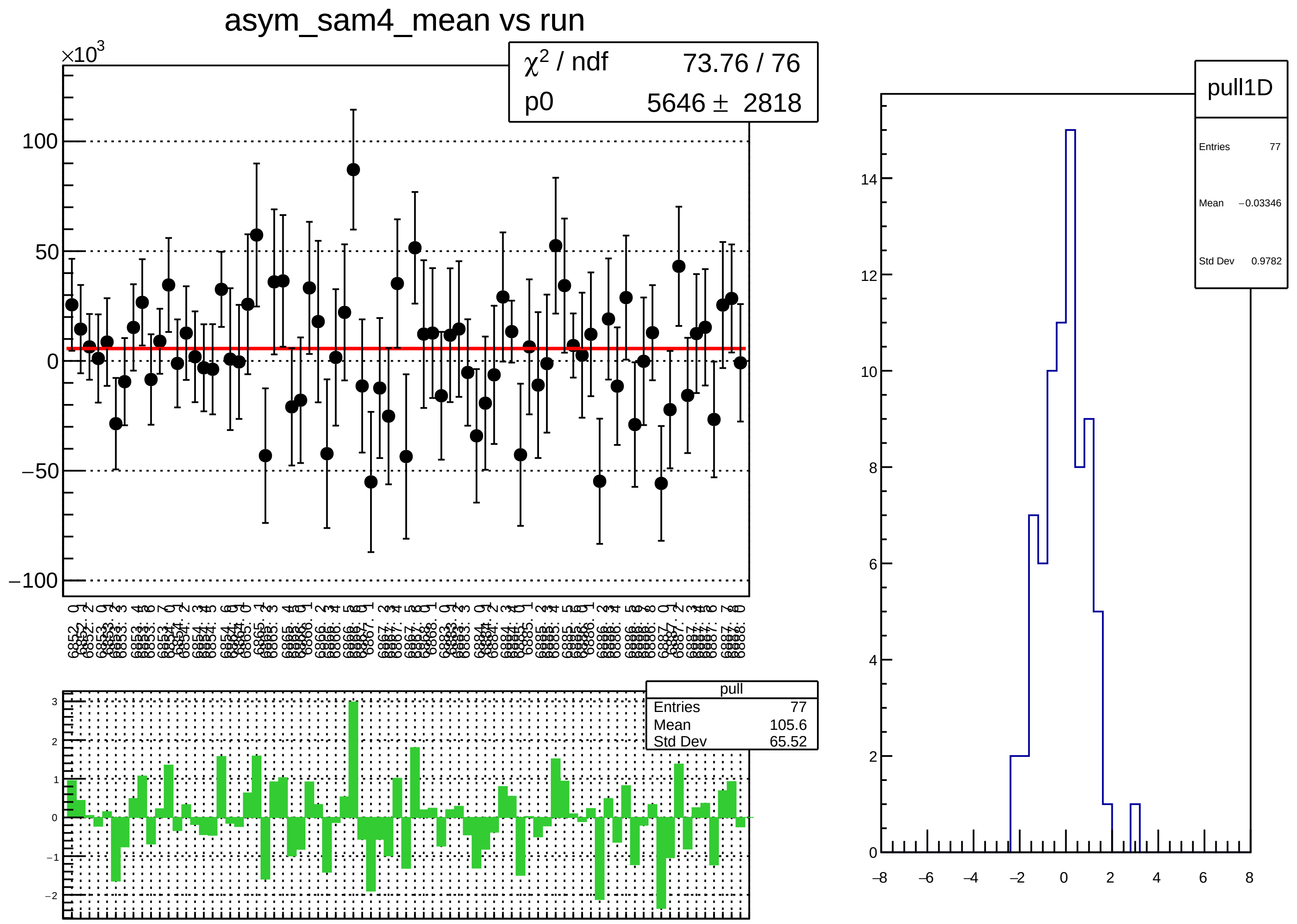


dit_asym_sam4_rms vs run
$\chi^2$ / ndf 2.51e+04 / 76
p0 298.5 ± 0.2368
650
600
550
500
450
400
350
300
250

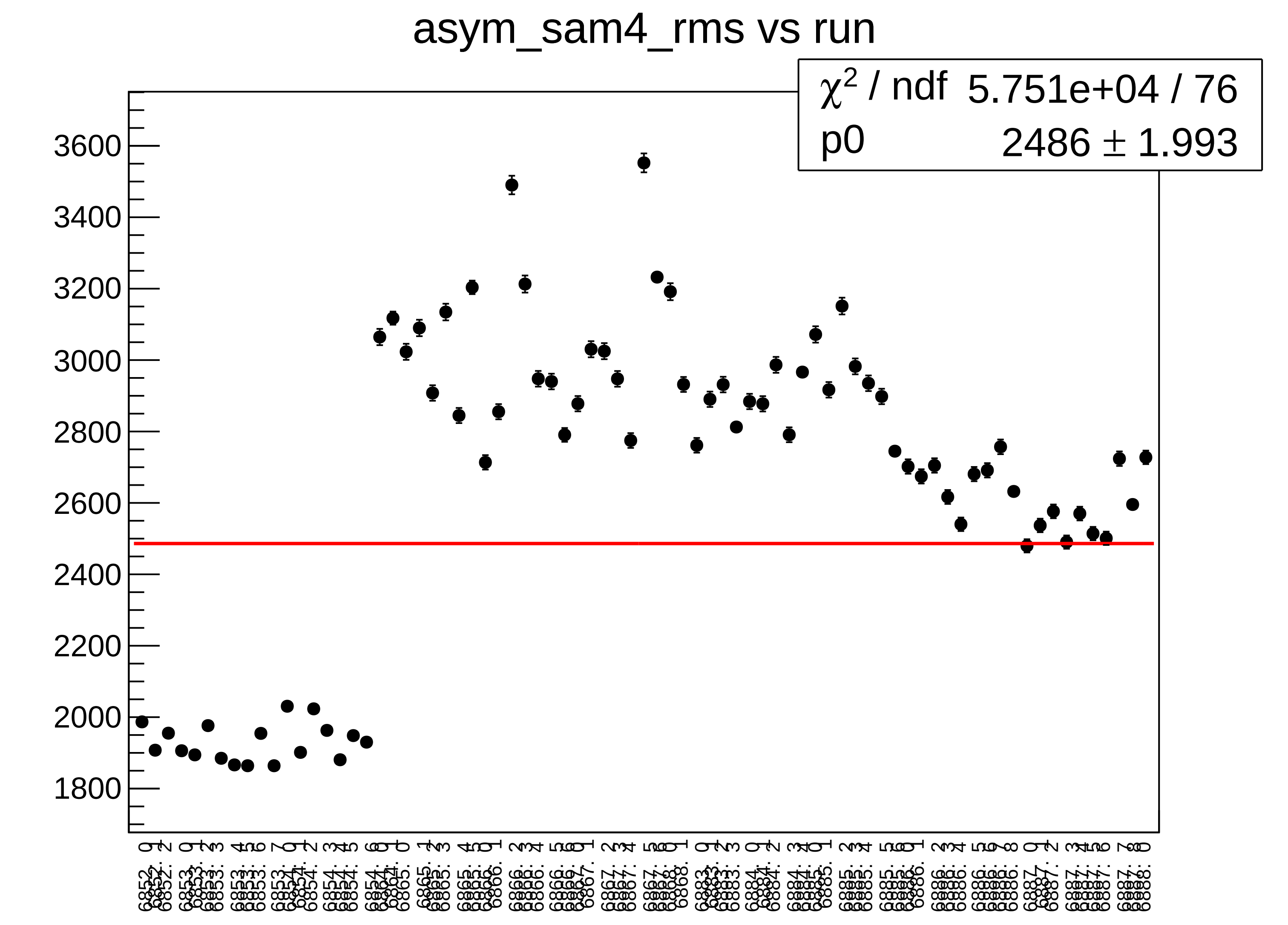


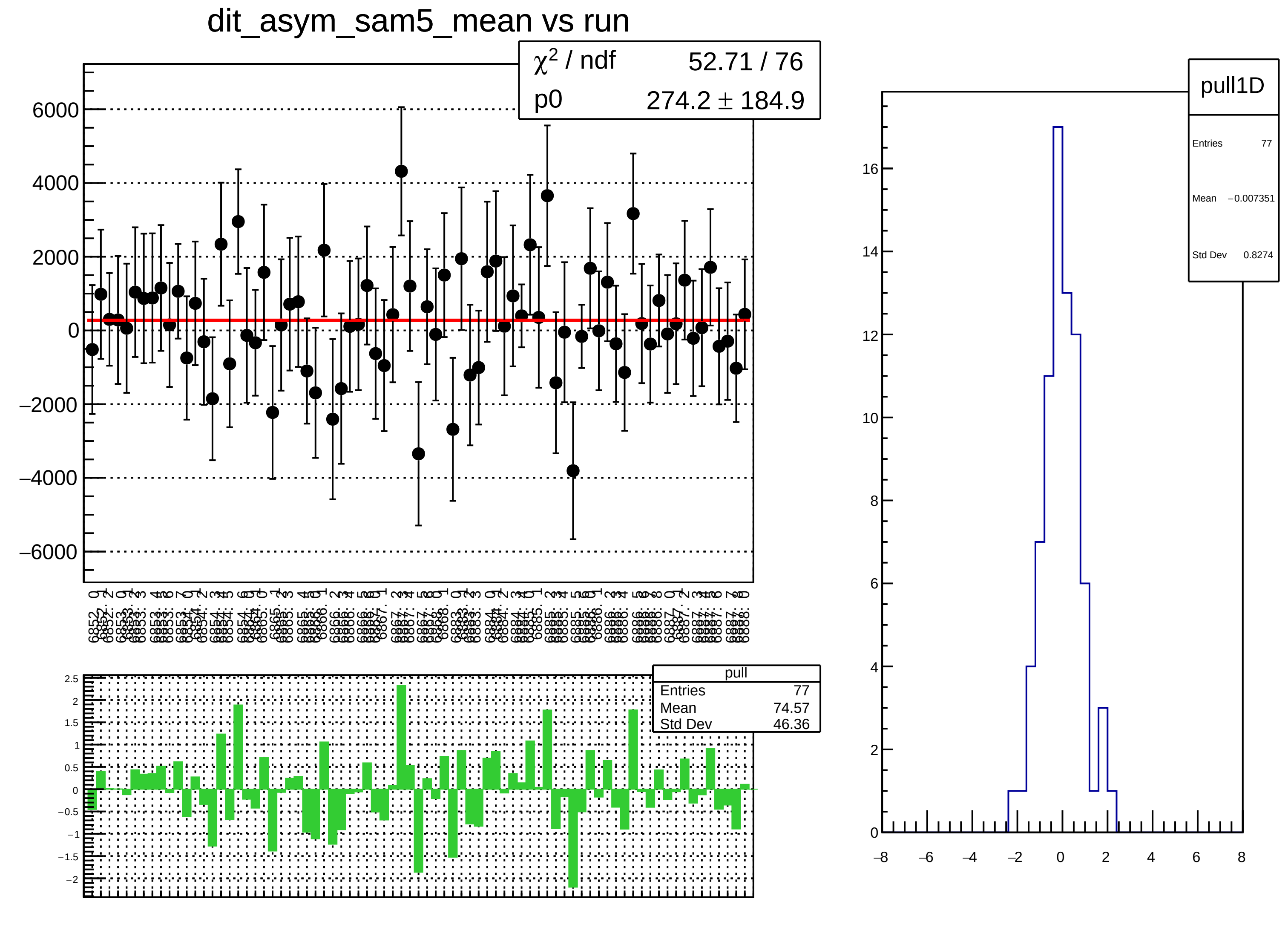
asym_sam4_correction_mean vs run
$\times10^3$
$\chi^2$ / ndf 112.5 / 76
p0 −8517 ± 2825
pull
Entries 77
Mean 50.74
Std Dev 25.38
pull1D
Entries 77
Mean 0.08853
Std Dev 1.205


asym_sam4_correction_rms vs run
χ² / ndf 5.181e+04 / 76
p0 2497 ± 1.997
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

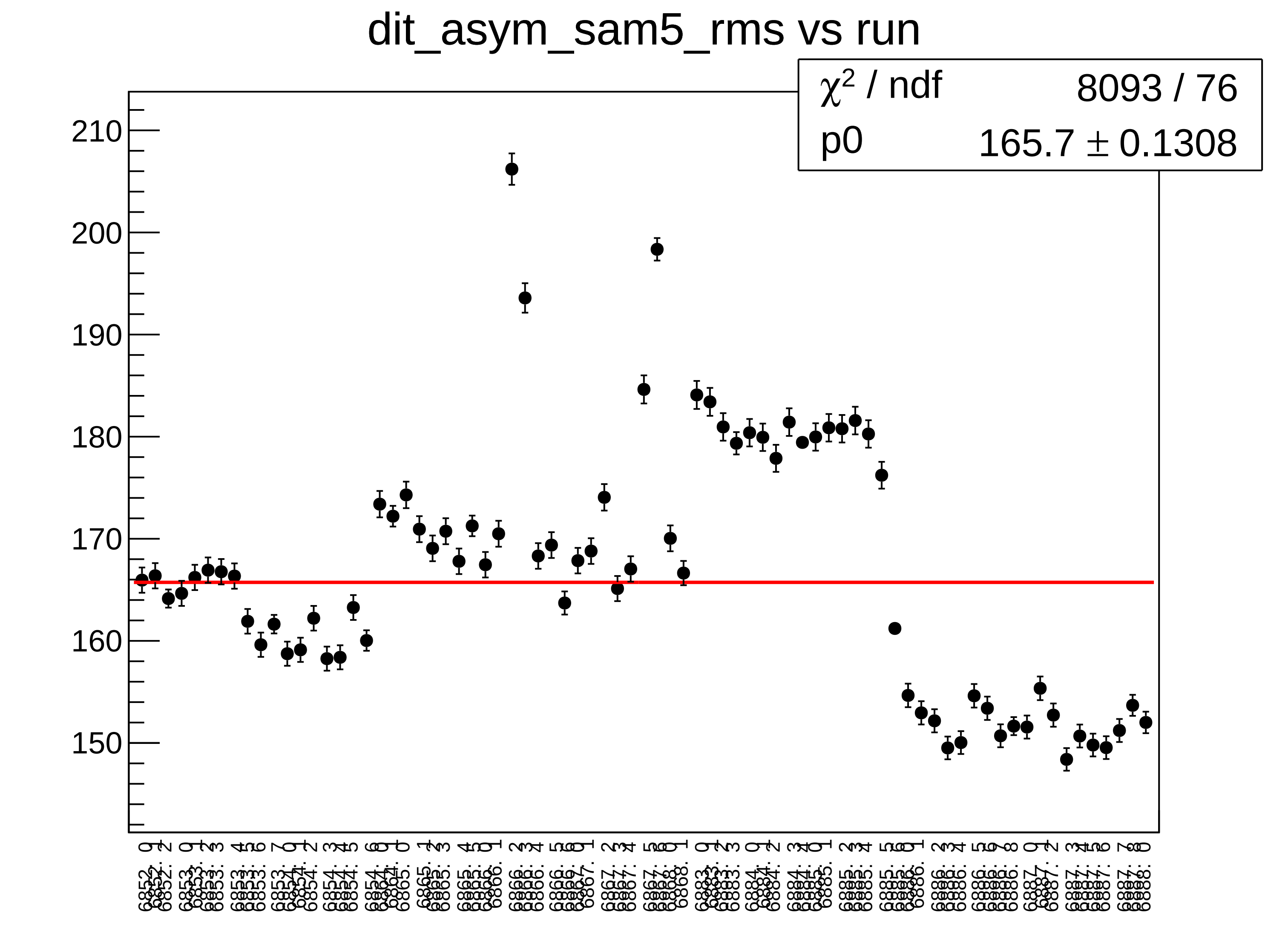


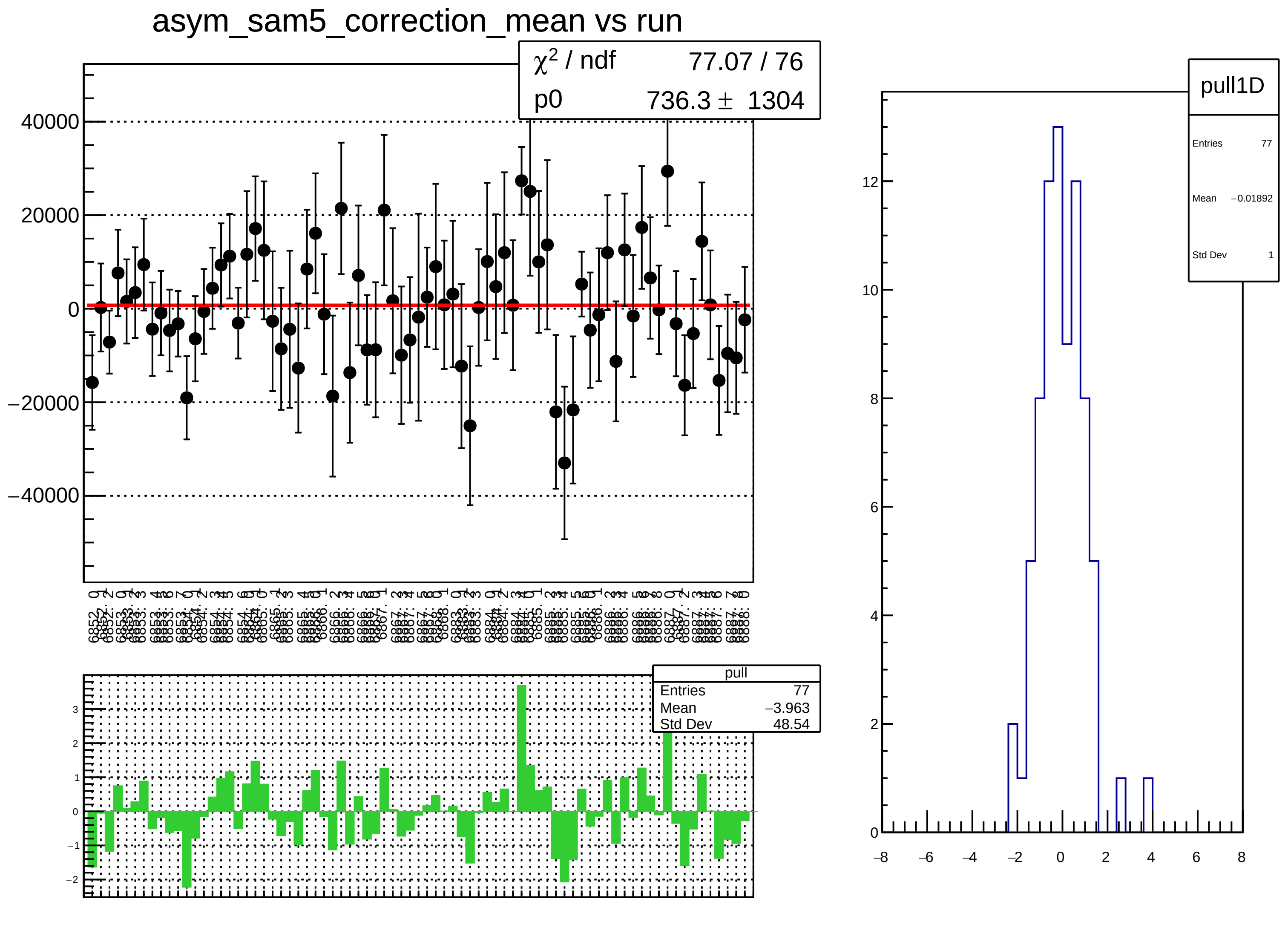
asym_sam4_mean vs run
×10^3
χ^2 / ndf 73.76 / 76
p0 5646 ± 2818
pull
Entries 77
Mean 105.6
Std Dev 65.52
pull1D
Entries 77
Mean −0.03346
Std Dev 0.9782


asym_sam4_rms vs run
$\chi^2$ / ndf 5.751e+04 / 76
p0 2486 ± 1.993
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

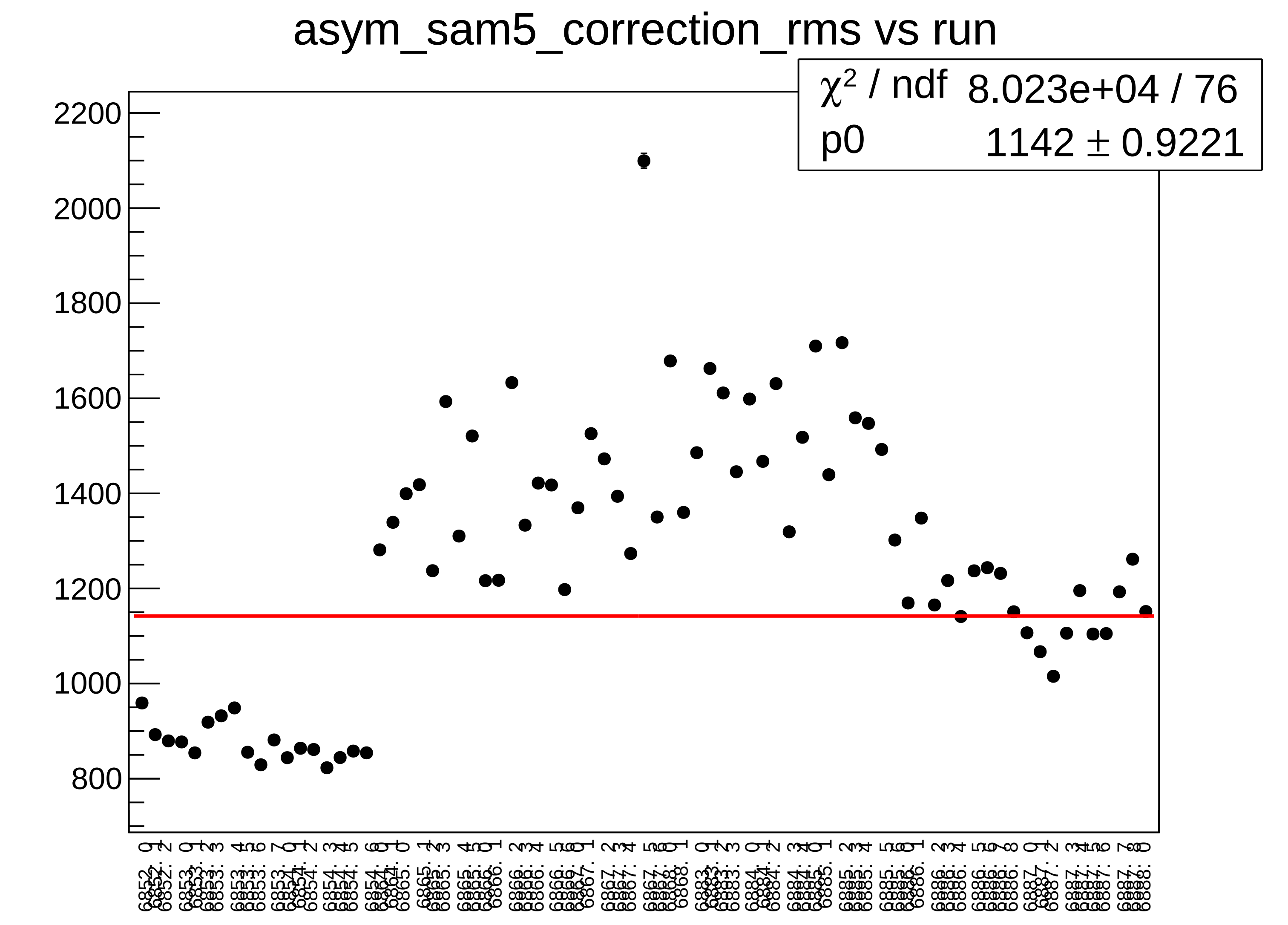


dit_asym_sam5_mean vs run
$\chi^2$ / ndf 52.71 / 76
p0 274.2 ± 184.9
pull
Entries 77
Mean 74.57
Std Dev 46.36
pull1D
Entries 77
Mean −0.007351
Std Dev 0.8274


dit_asym_sam5_rms vs run
$\chi^2$ / ndf 8093 / 76
p0 165.7 ± 0.1308
210
200
190
180
170
160
150

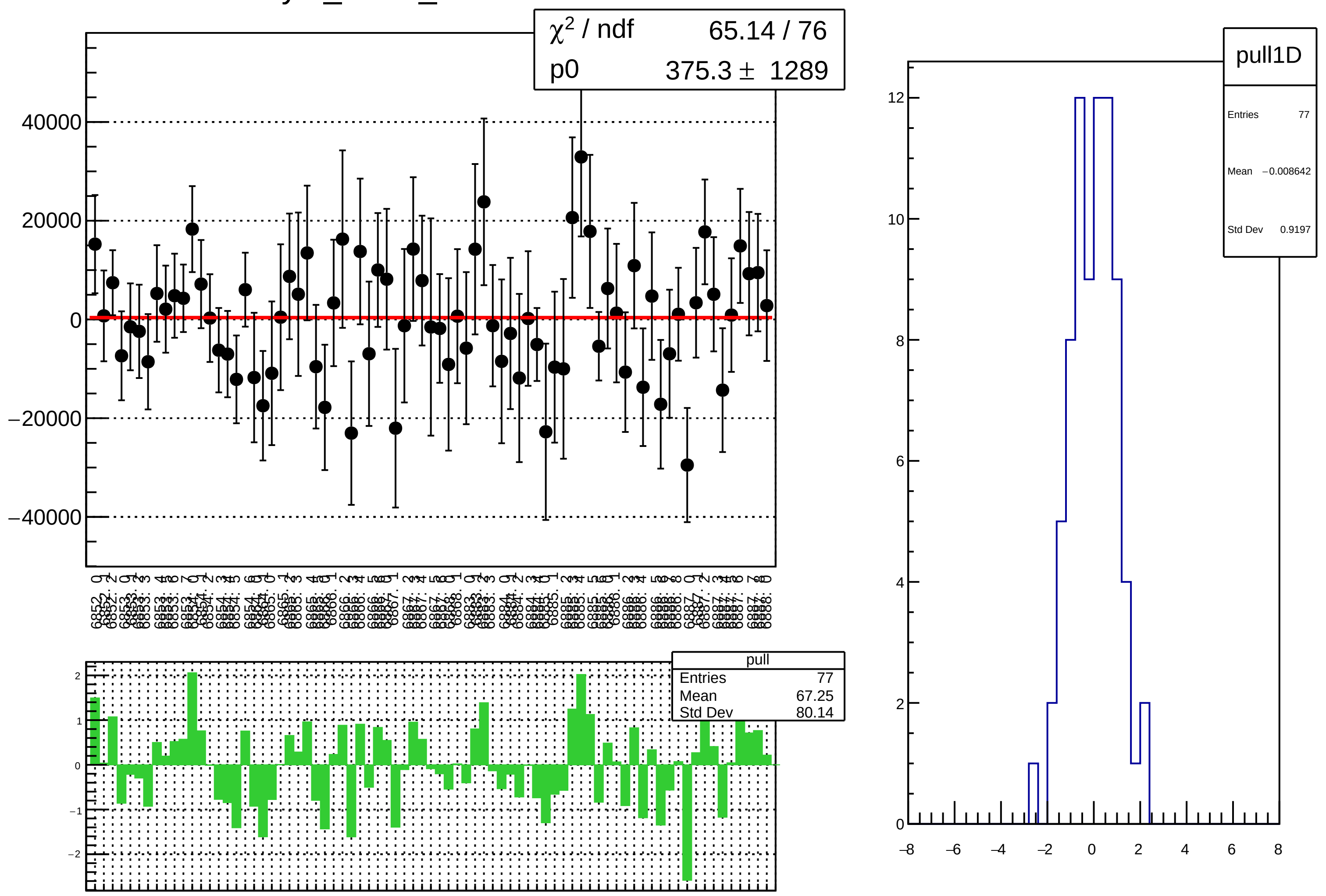


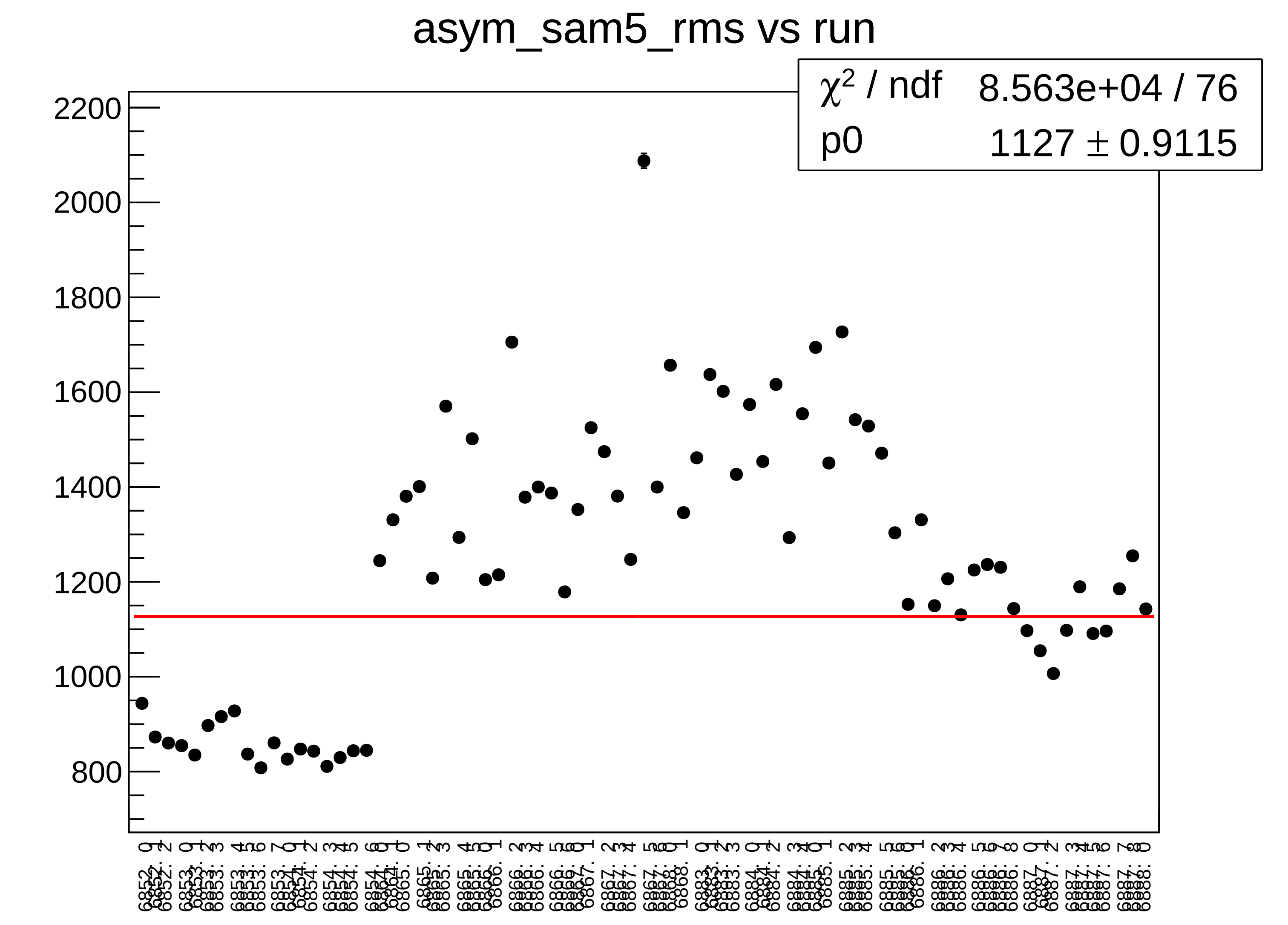
asym_sam5_correction_mean vs run
$\chi^2$ / ndf 77.07 / 76
p0 736.3 ± 1304
pull
Entries 77
Mean −3.963
Std Dev 48.54
pull1D
Entries 77
Mean −0.01892
Std Dev 1

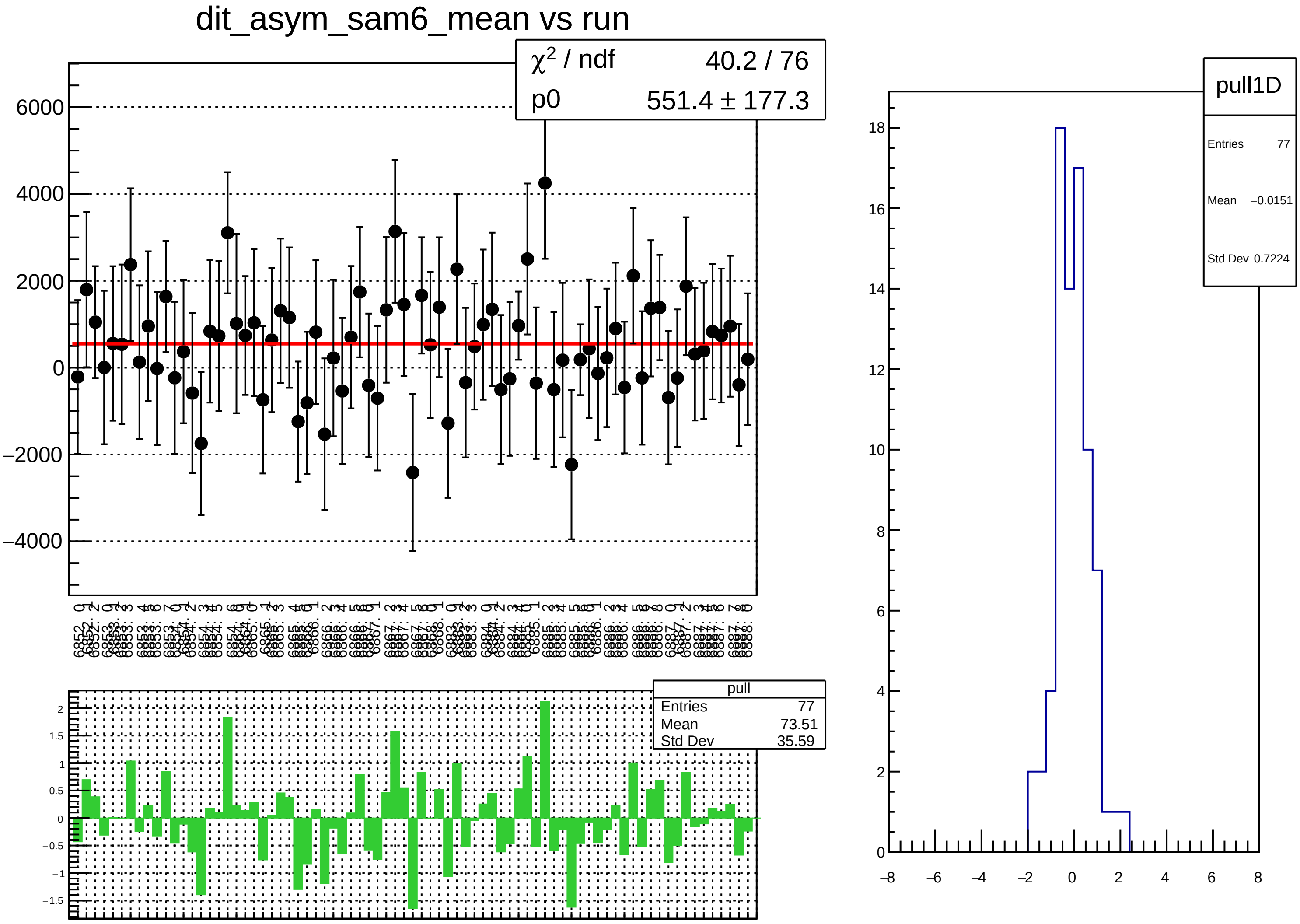


asym_sam5_correction_rms vs run
χ2 / ndf 8.023e+04 / 76
p0 1142 ± 0.9221
2200
2000
1800
1600
1400
1200
1000
800

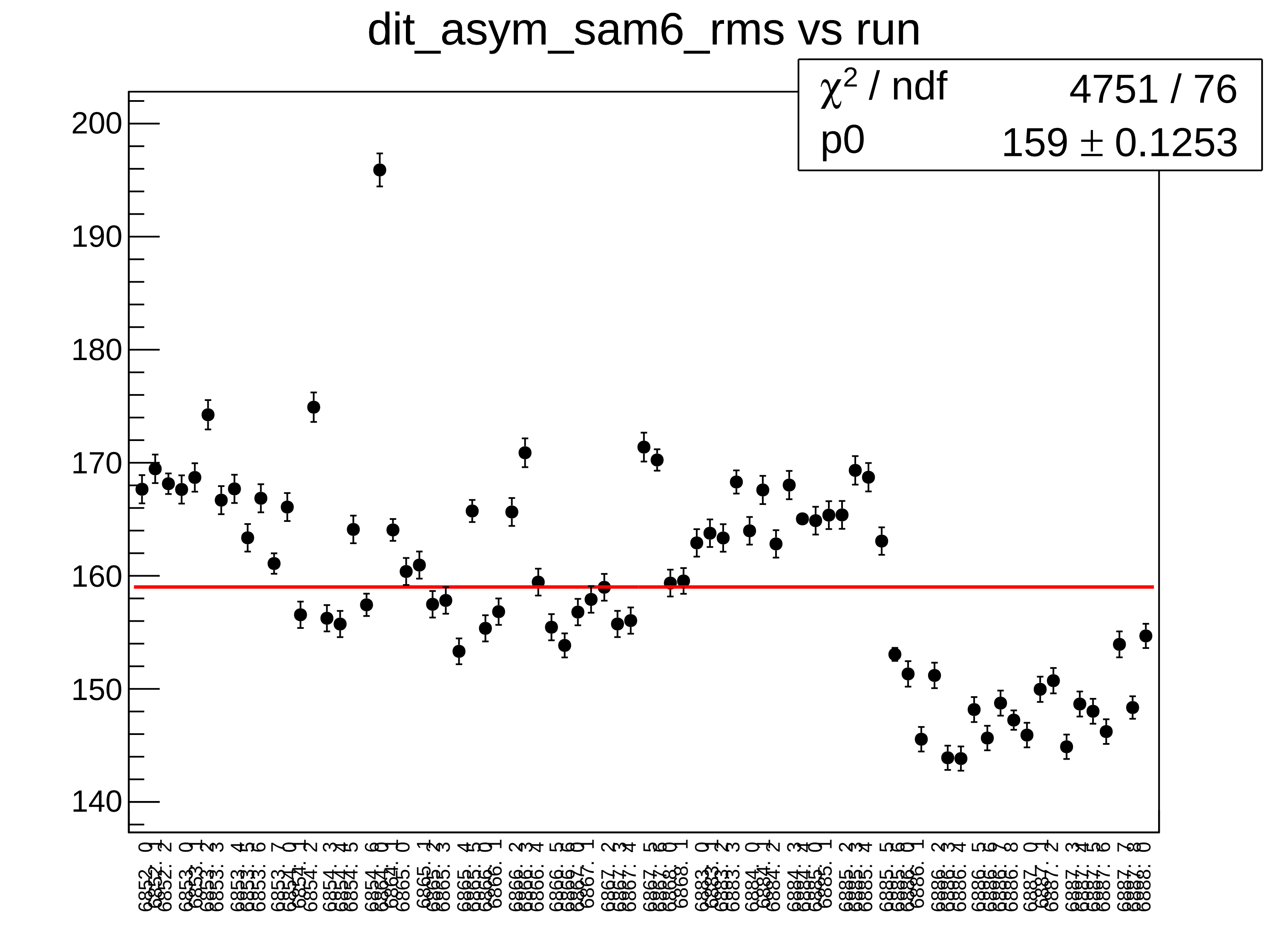
## asym_sam5_mean vs run

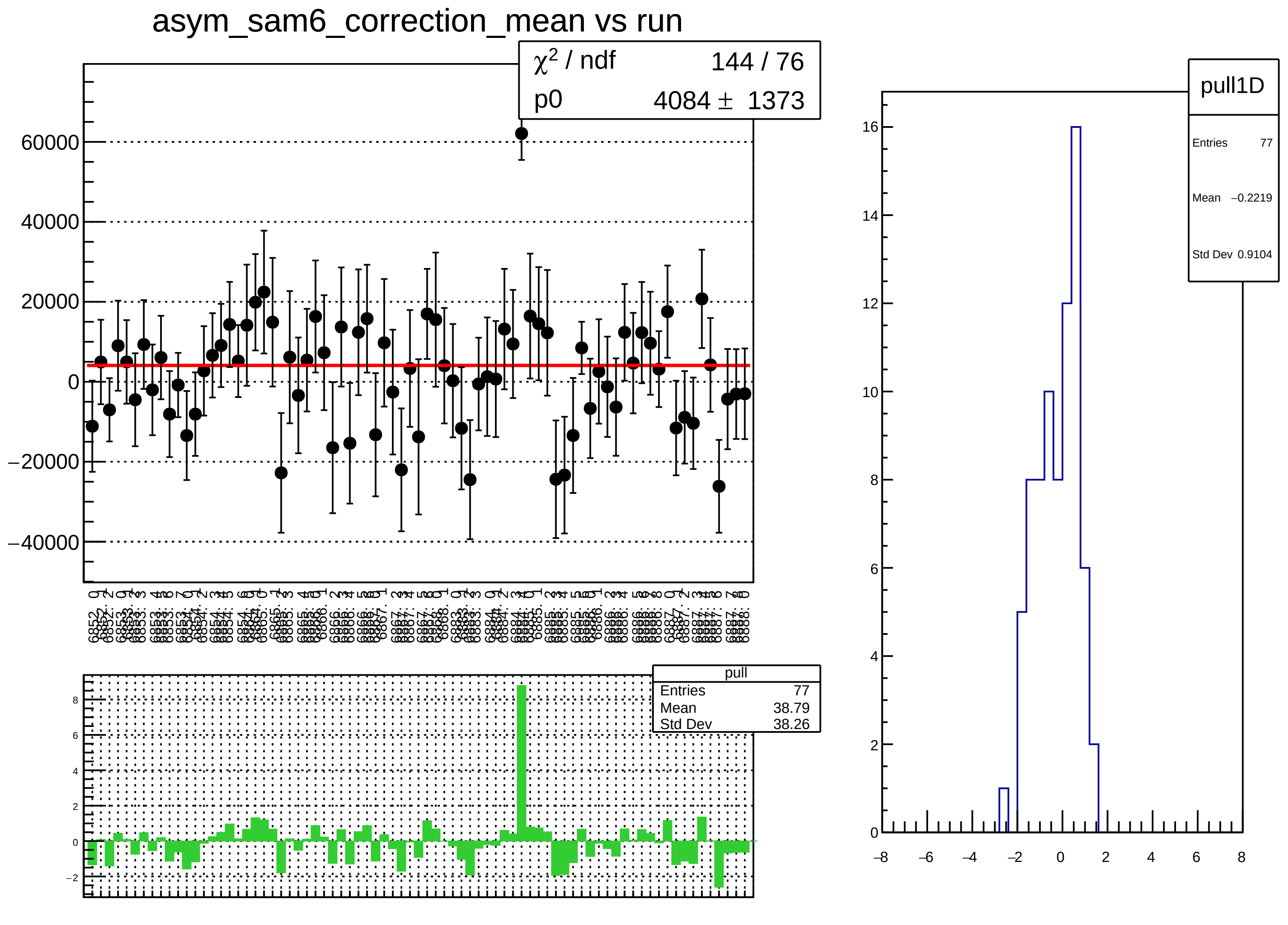



asym_sam5_rms vs run
χ2 / ndf 8.563e+04 / 76
p0 1127 ± 0.9115
2200
2000
1800
1600
1400
1200
1000
800

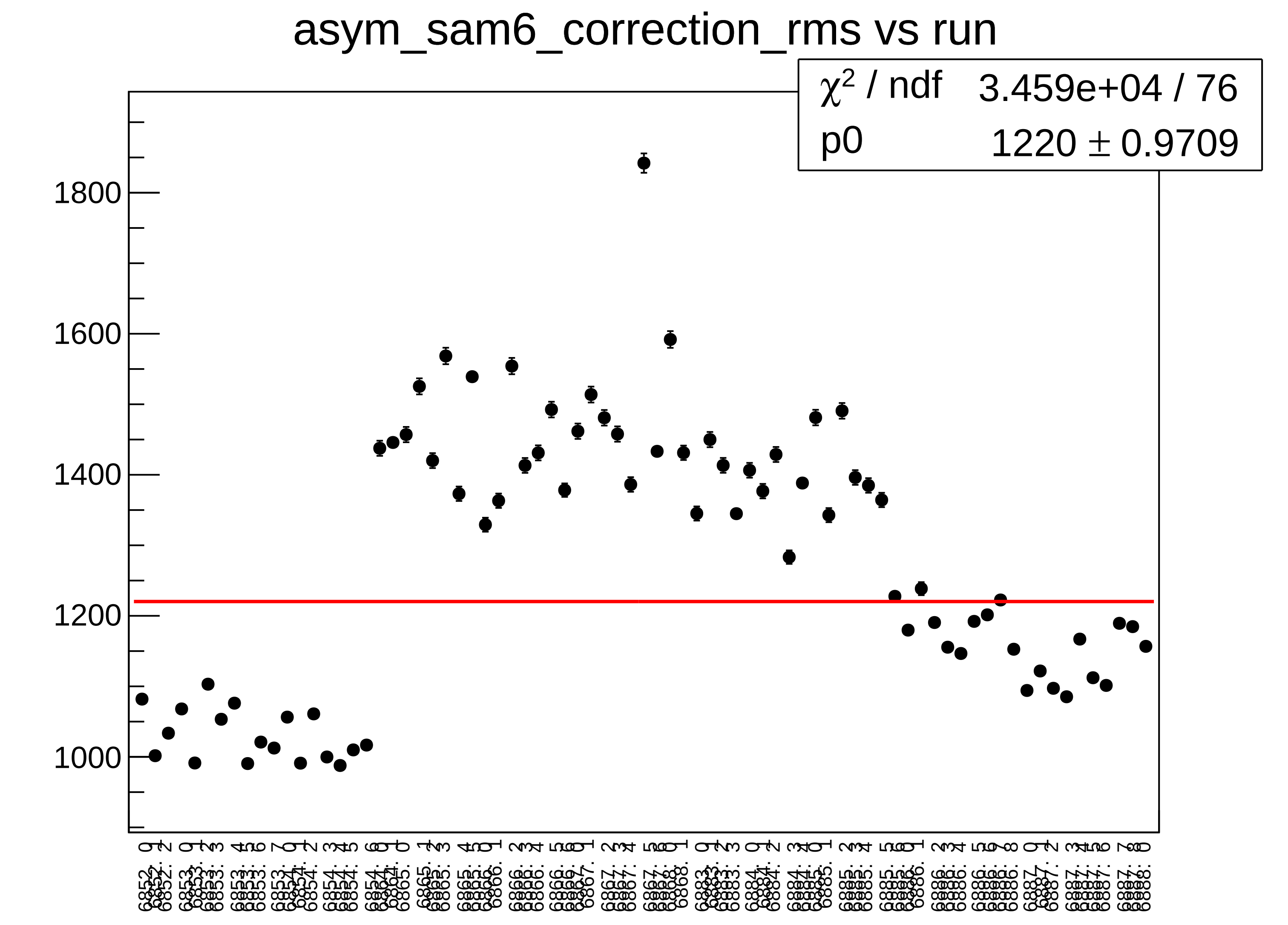


dit_asym_sam6_mean vs run
χ2 / ndf 40.2 / 76
p0 551.4 ± 177.3
6000
4000
2000
0
−2000
−4000
pull
Entries 77
Mean 73.51
Std Dev 35.59
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 77
Mean −0.0151
Std Dev 0.7224
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

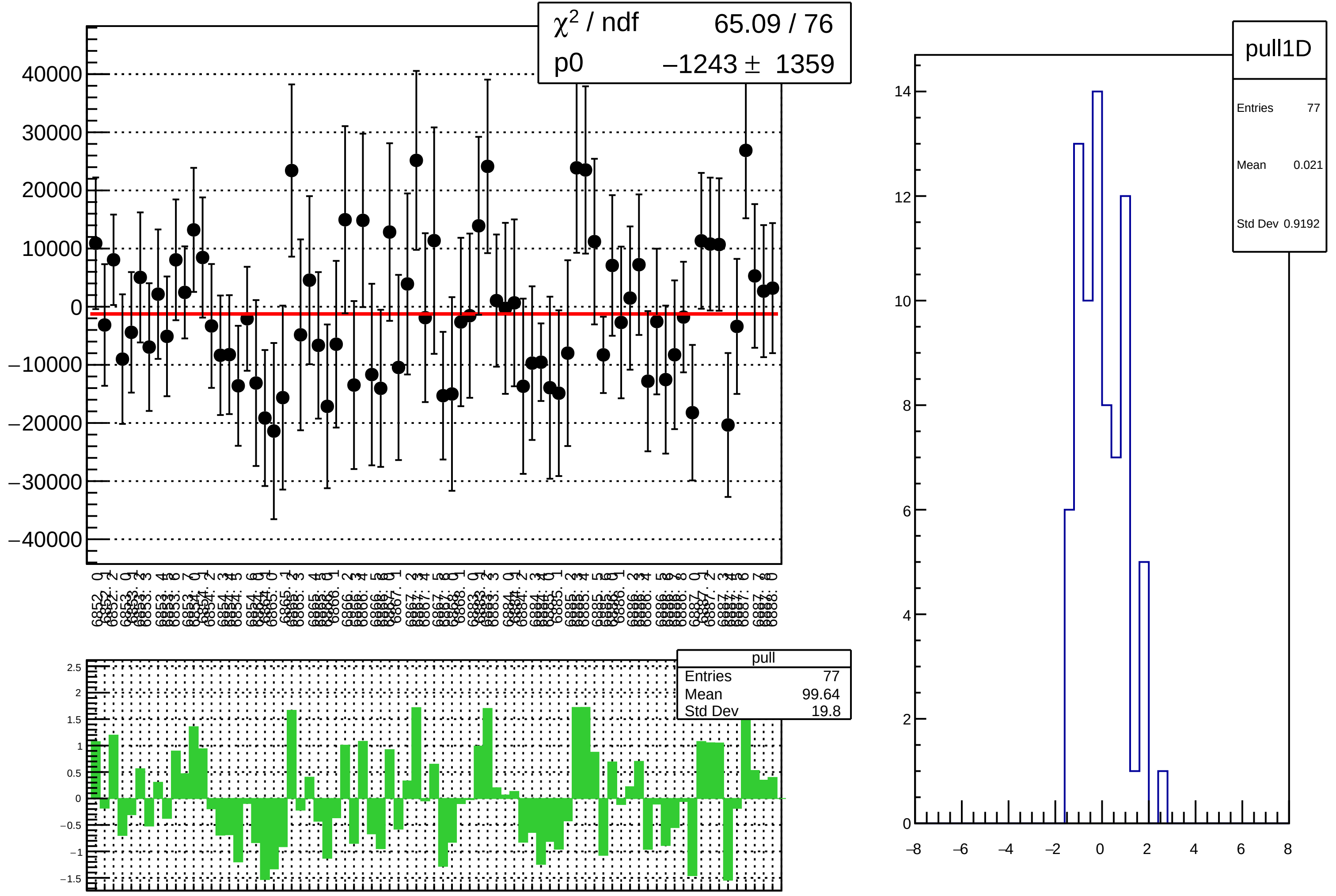

dit_asym_sam6_rms vs run
χ2 / ndf 4751 / 76
p0 159 ± 0.1253
200
190
180
170
160
150
140

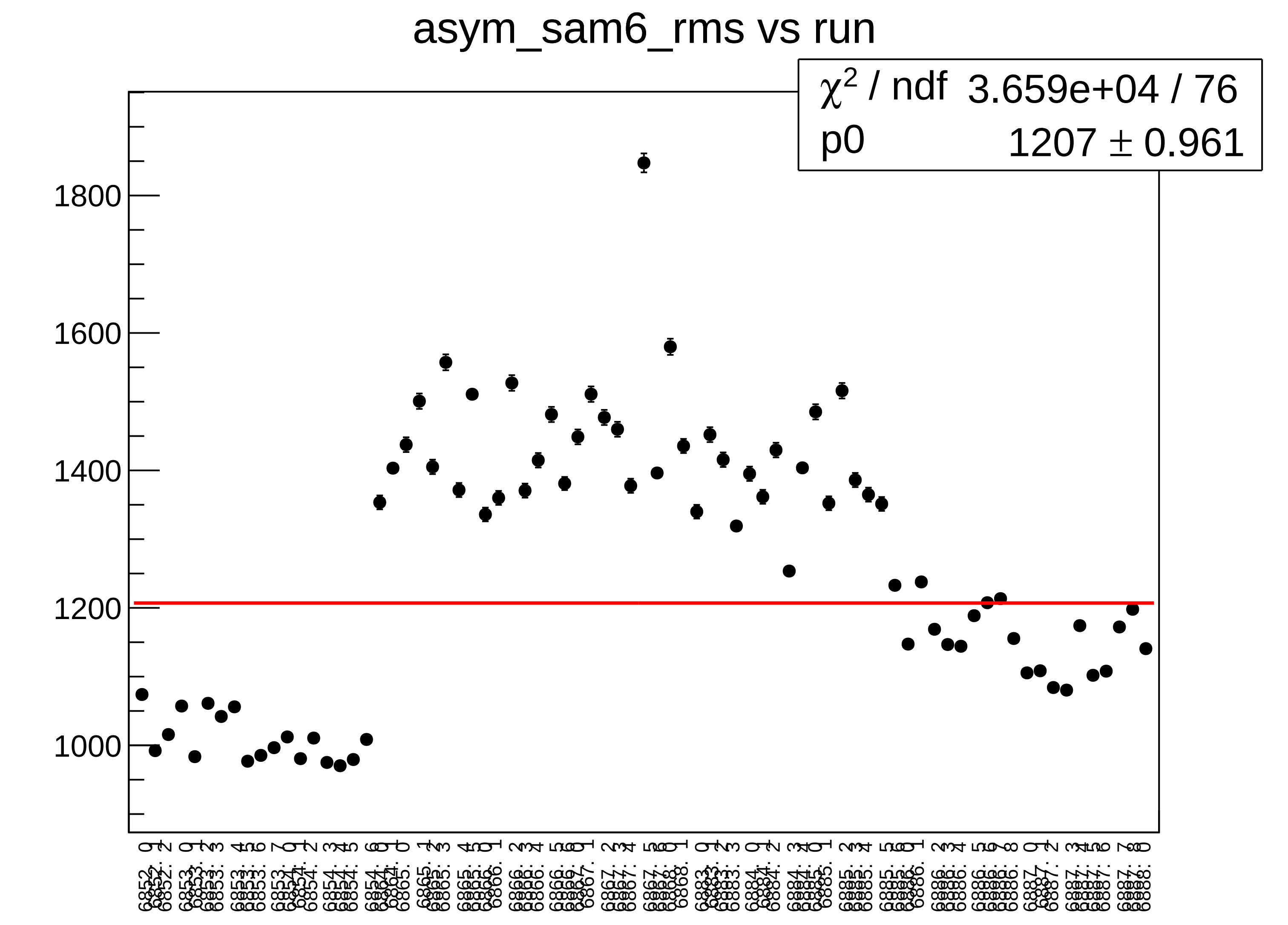


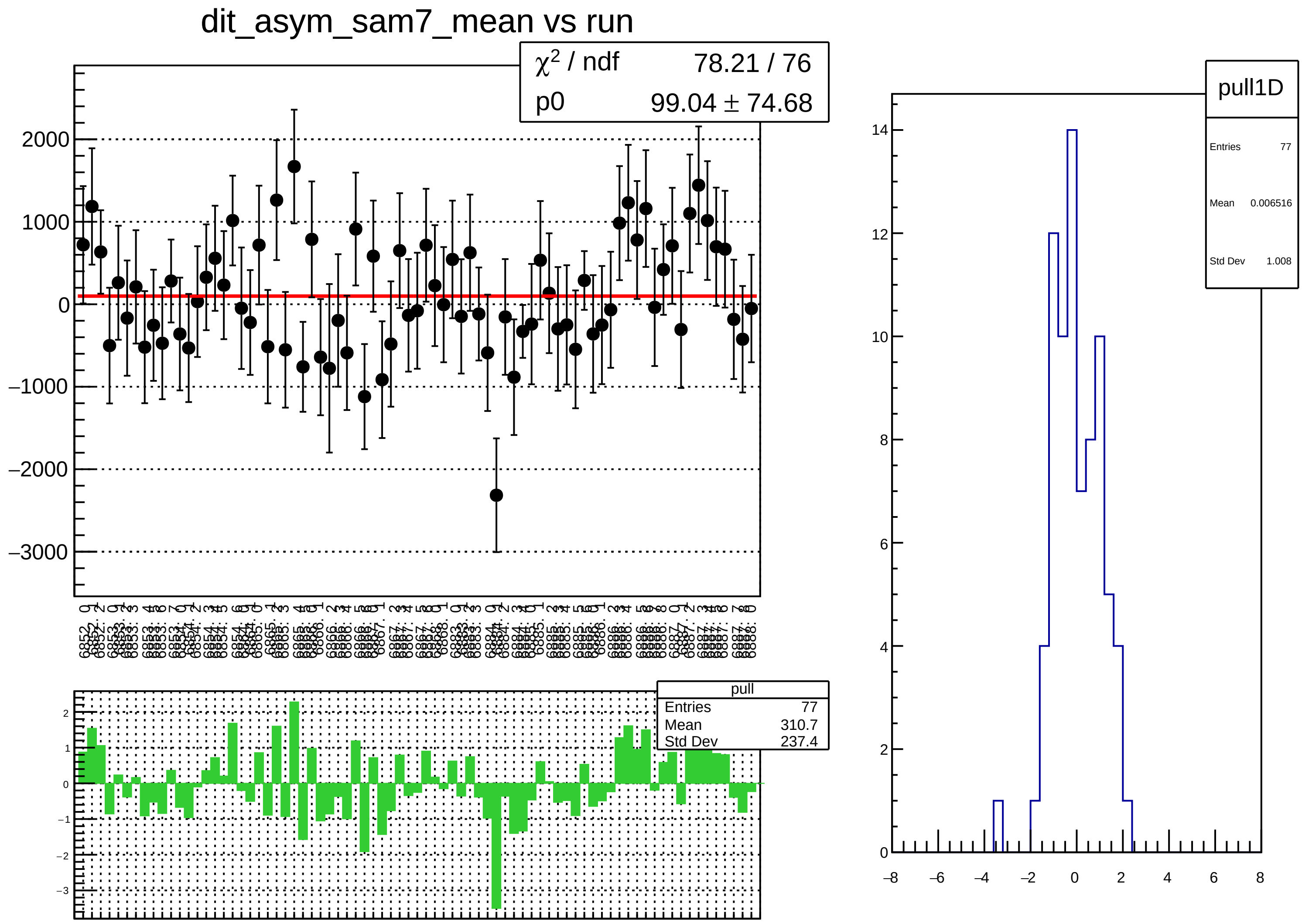
asym_sam6_correction_mean vs run
$\chi^2$ / ndf 144 / 76
p0 4084 ± 1373
pull
Entries 77
Mean 38.79
Std Dev 38.26
pull1D
Entries 77
Mean −0.2219
Std Dev 0.9104


asym_sam6_correction_rms vs run
χ2 / ndf 3.459e+04 / 76
p0 1220 ± 0.9709
1800
1600
1400
1200
1000

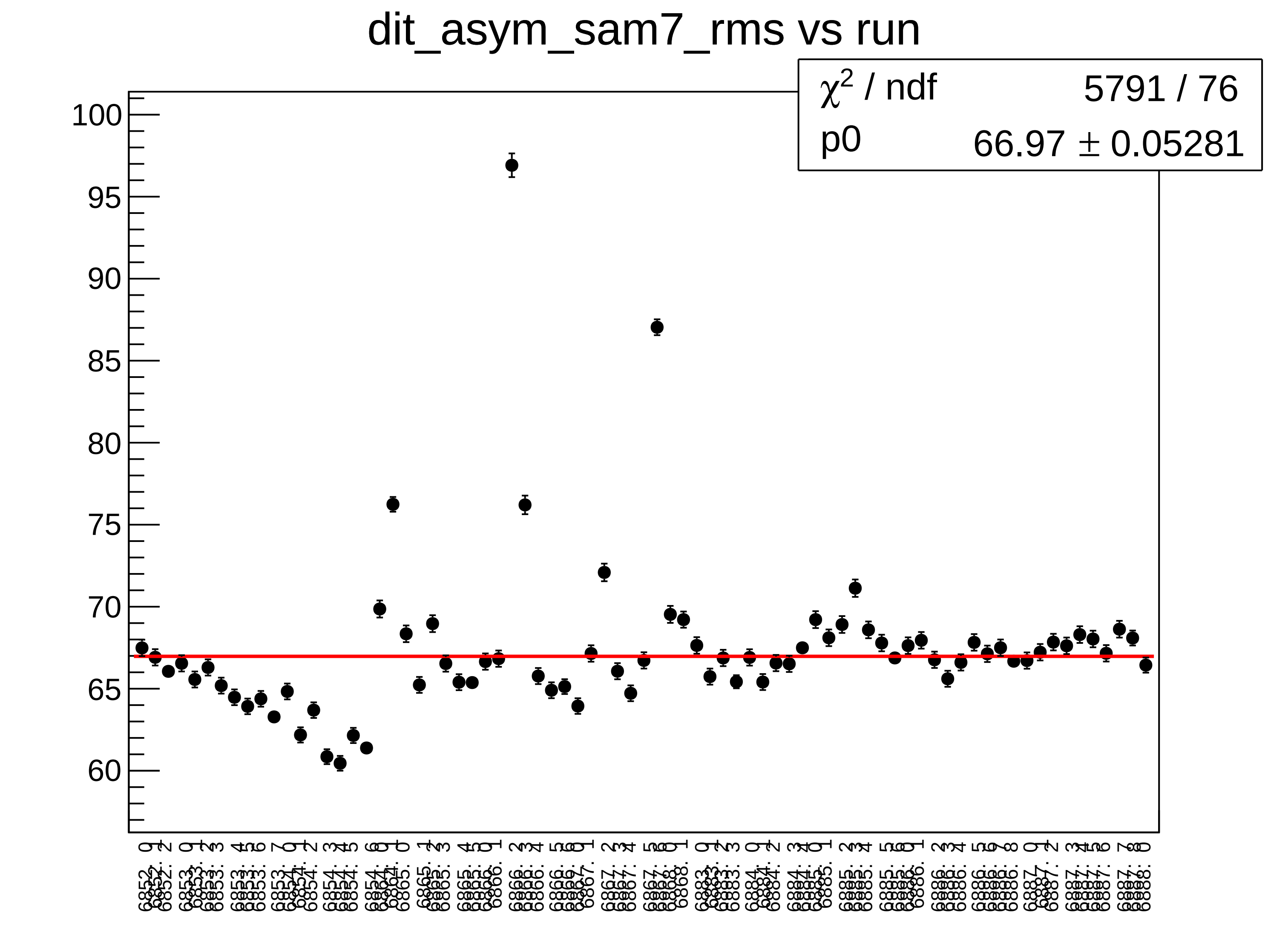
# asym_sam6_mean vs run



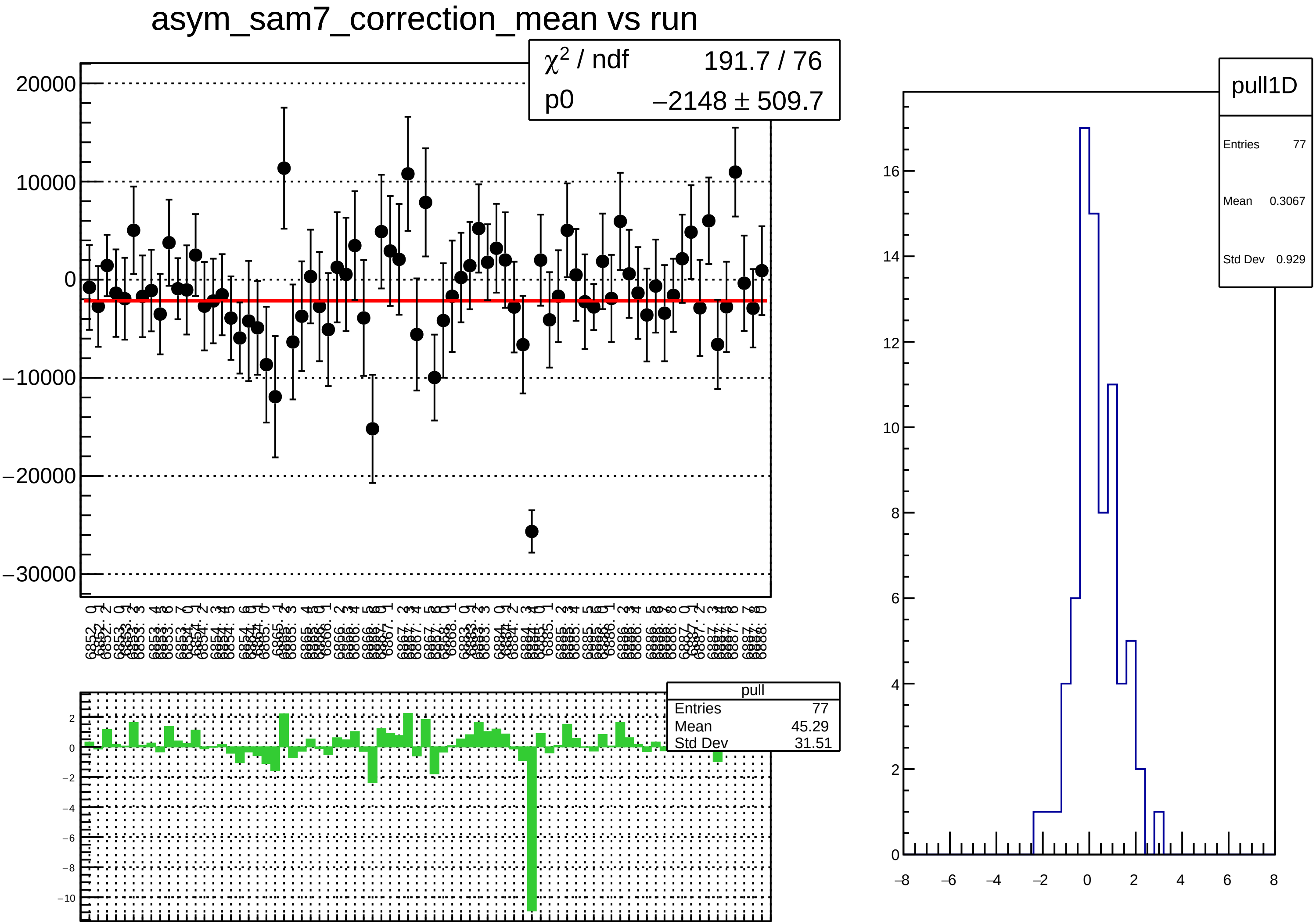

asym_sam6_rms vs run
χ2 / ndf 3.659e+04 / 76
p0 1207 ± 0.961
1800
1600
1400
1200
1000

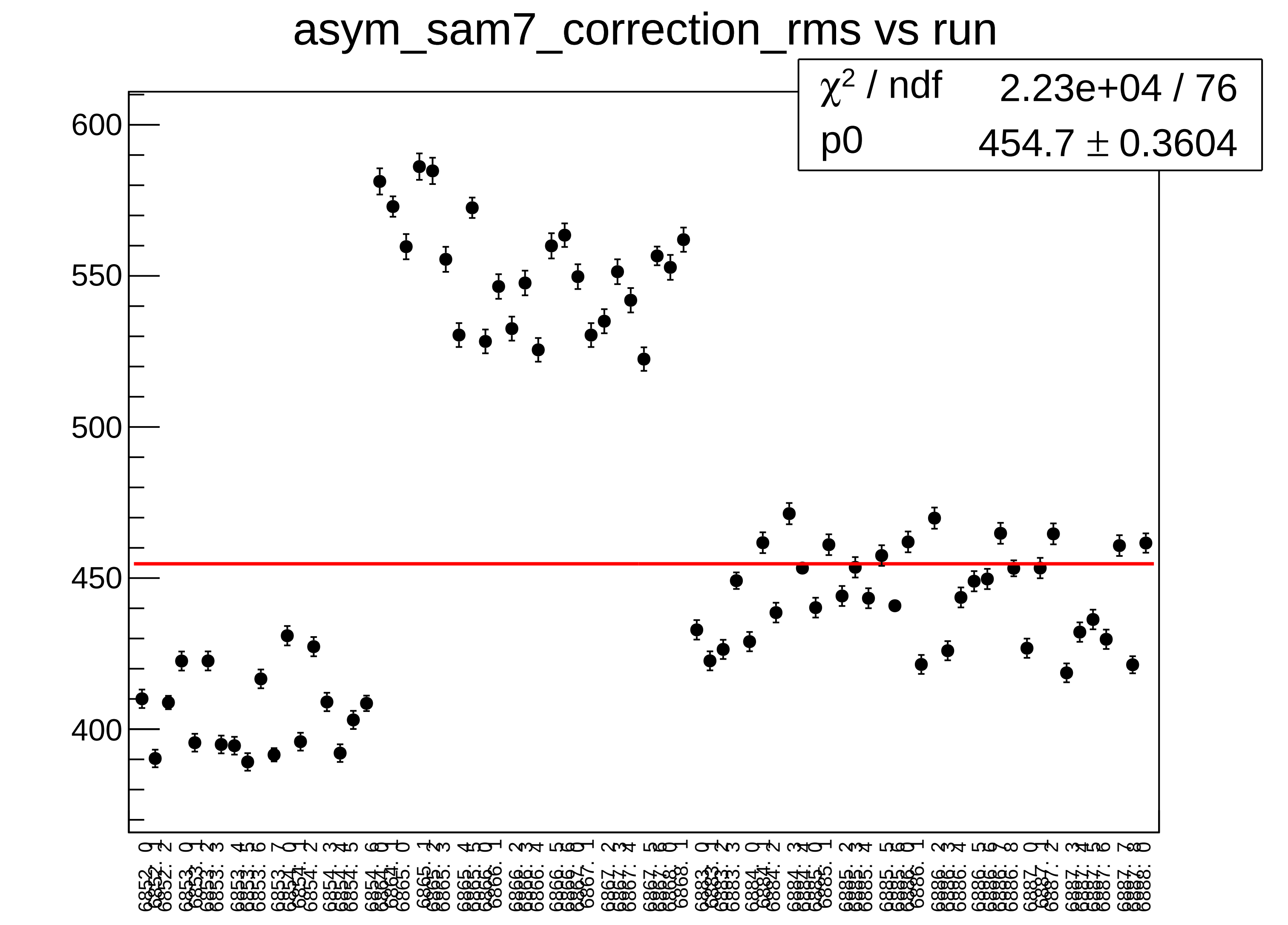


dit_asym_sam7_mean vs run
$\chi^2$ / ndf 78.21 / 76
p0 99.04 ± 74.68
pull
Entries 77
Mean 310.7
Std Dev 237.4
pull1D
Entries 77
Mean 0.006516
Std Dev 1.008

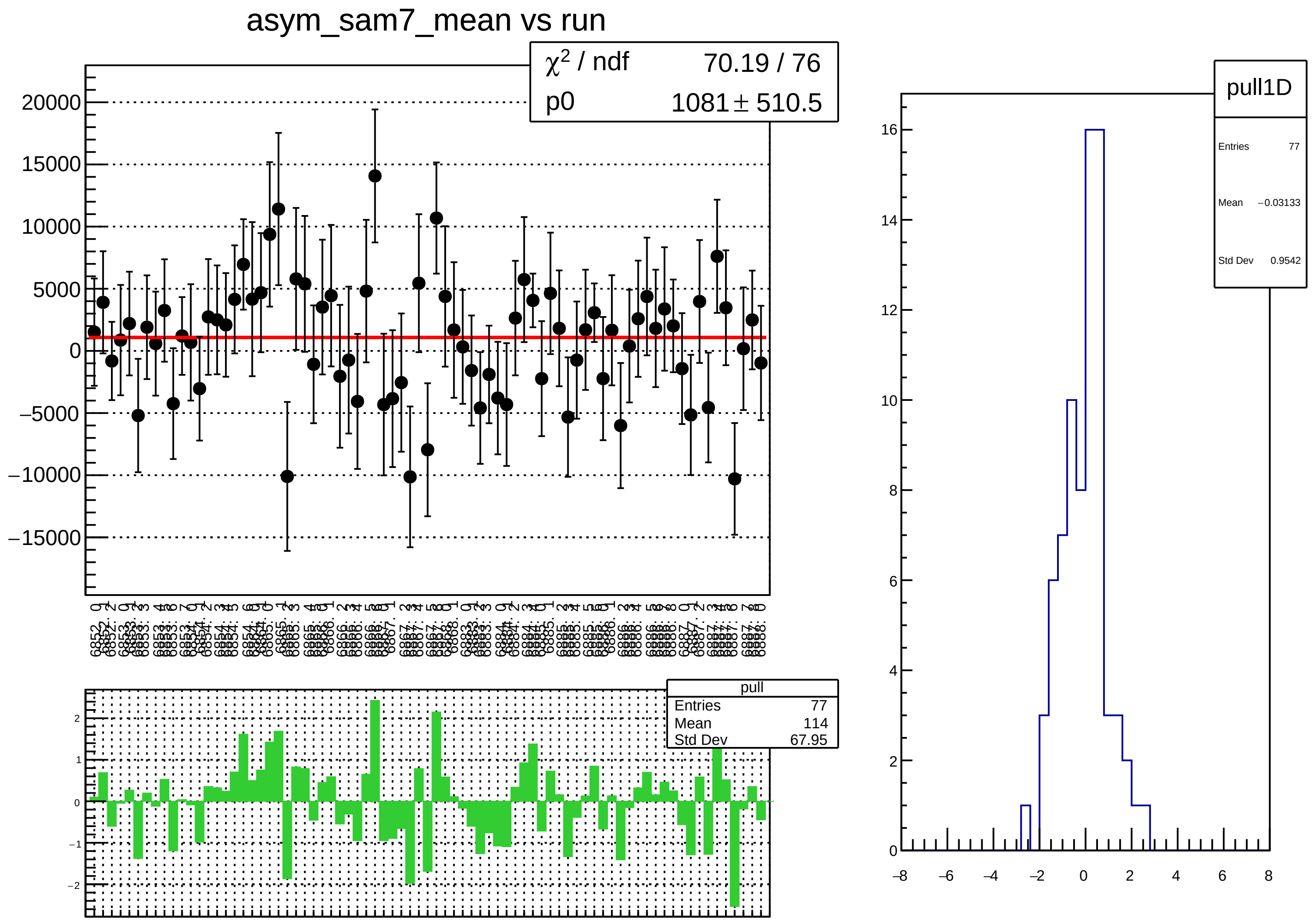


dit_asym_sam7_rms vs run
$\chi^2$ / ndf 5791 / 76
p0 66.97 ± 0.05281
100
95
90
85
80
75
70
65
60

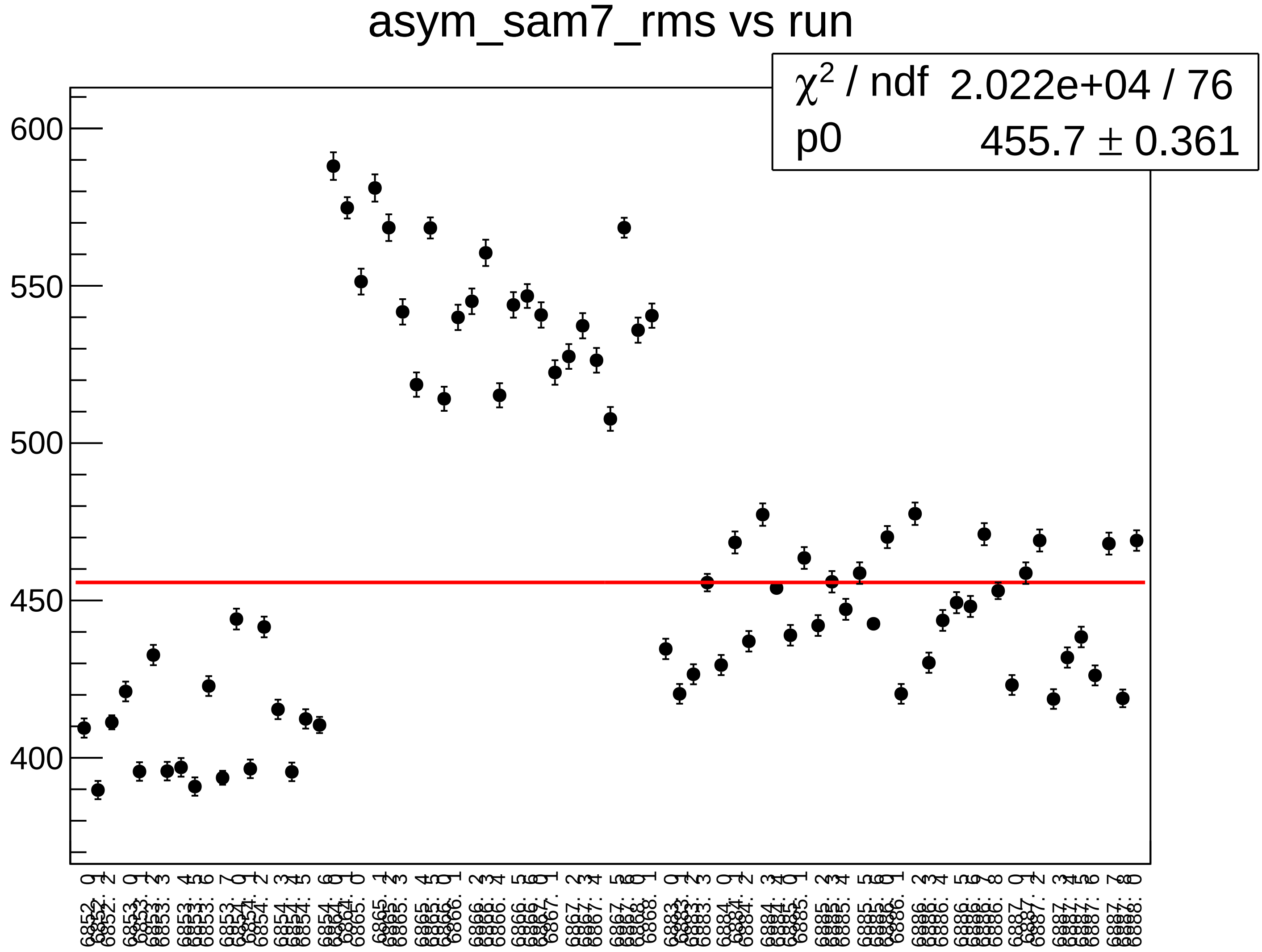

asym_sam7_correction_mean vs run
χ² / ndf 191.7 / 76
p0 −2148 ± 509.7
pull
Entries 77
Mean 45.29
Std Dev 31.51
pull1D
Entries 77
Mean 0.3067
Std Dev 0.929



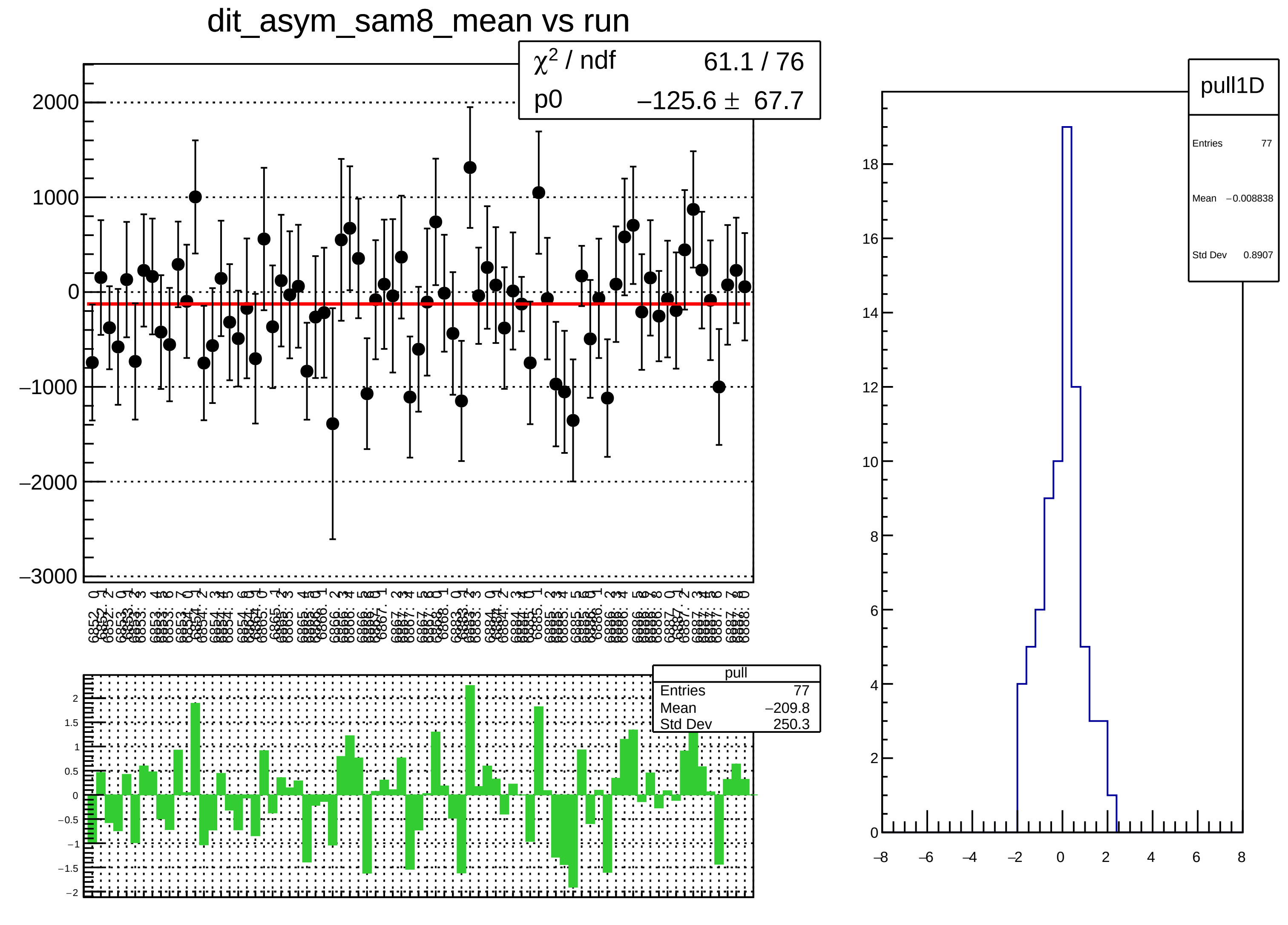
asym_sam7_correction_rms vs run
χ2 / ndf 2.23e+04 / 76
p0 454.7 ± 0.3604
600
550
500
450
400

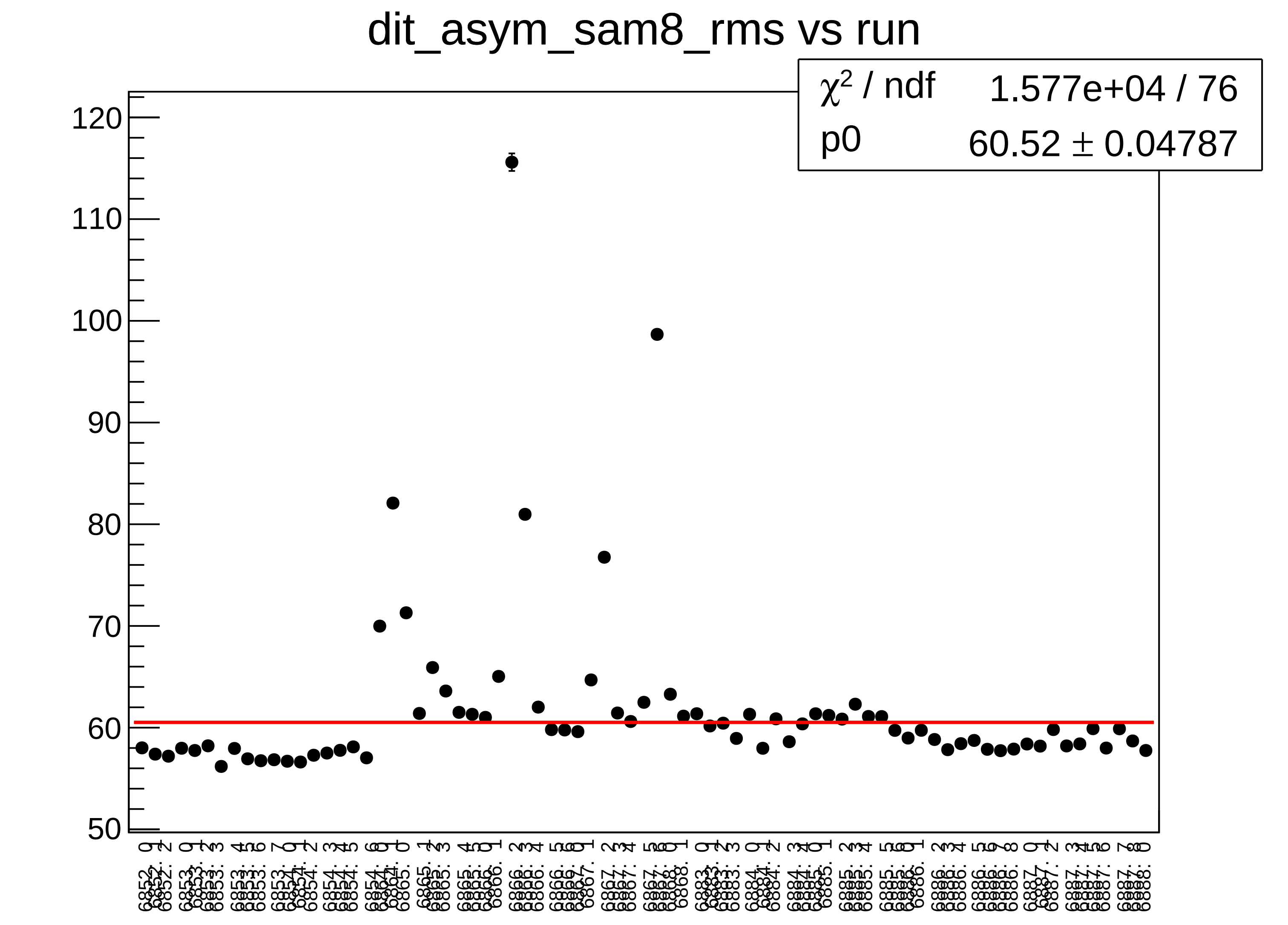


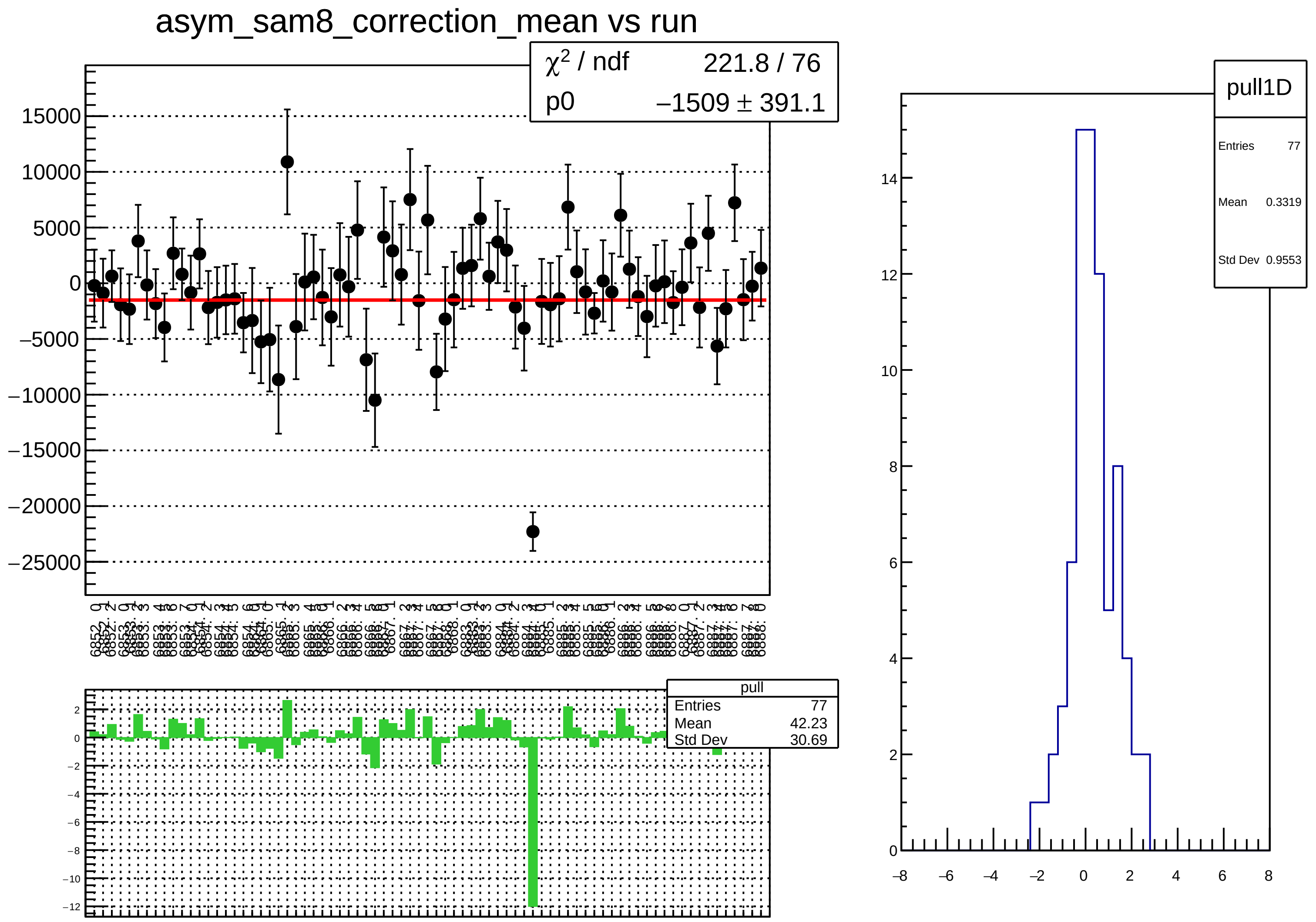
asym_sam7_mean vs run
$\chi^2$ / ndf 70.19 / 76
p0 1081 ± 510.5
pull
Entries 77
Mean 114
Std Dev 67.95
pull1D
Entries 77
Mean −0.03133
Std Dev 0.9542



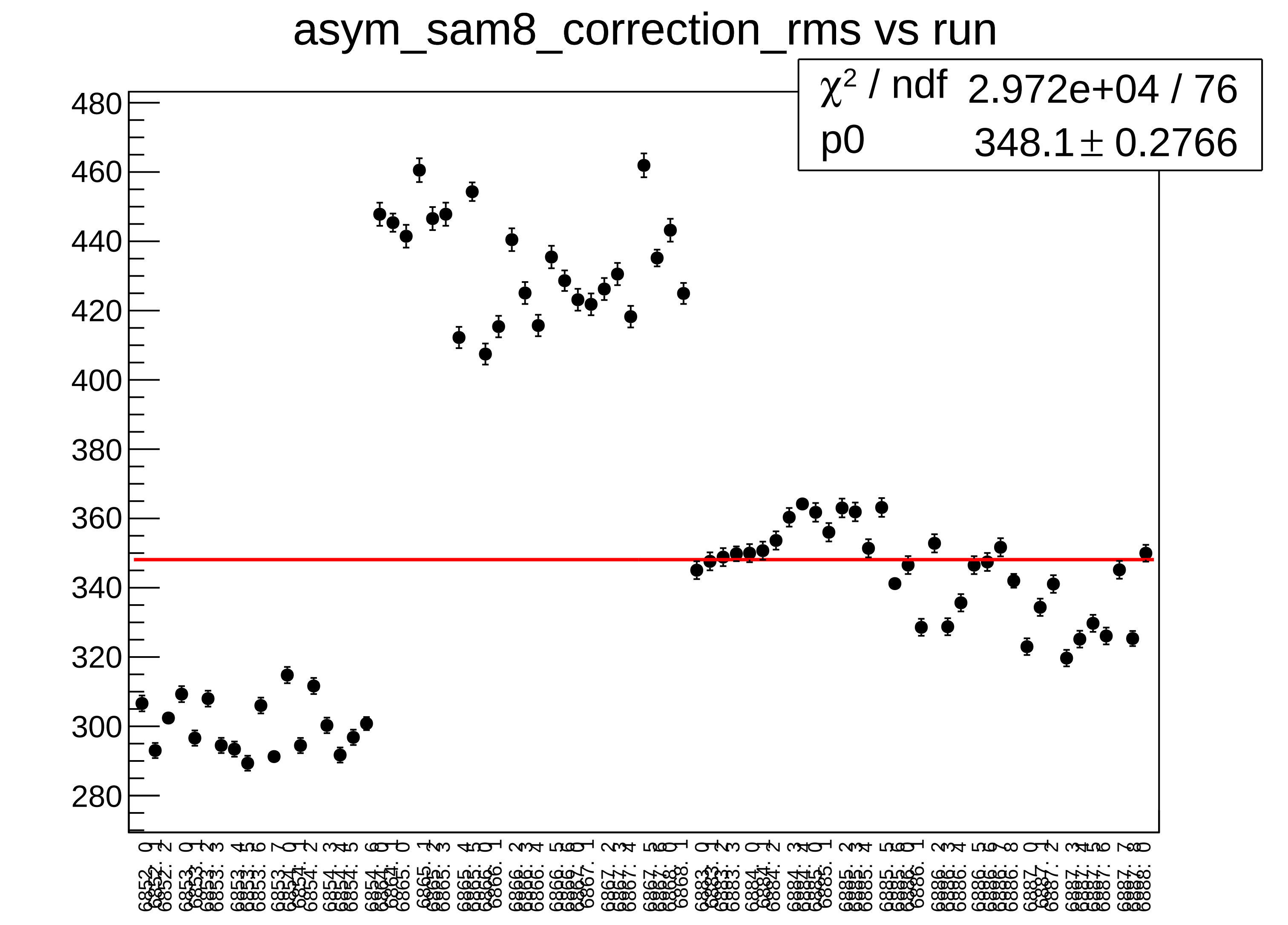
asym_sam7_rms vs run
χ2 / ndf 2.022e+04 / 76
p0 455.7 ± 0.361
600
550
500
450
400

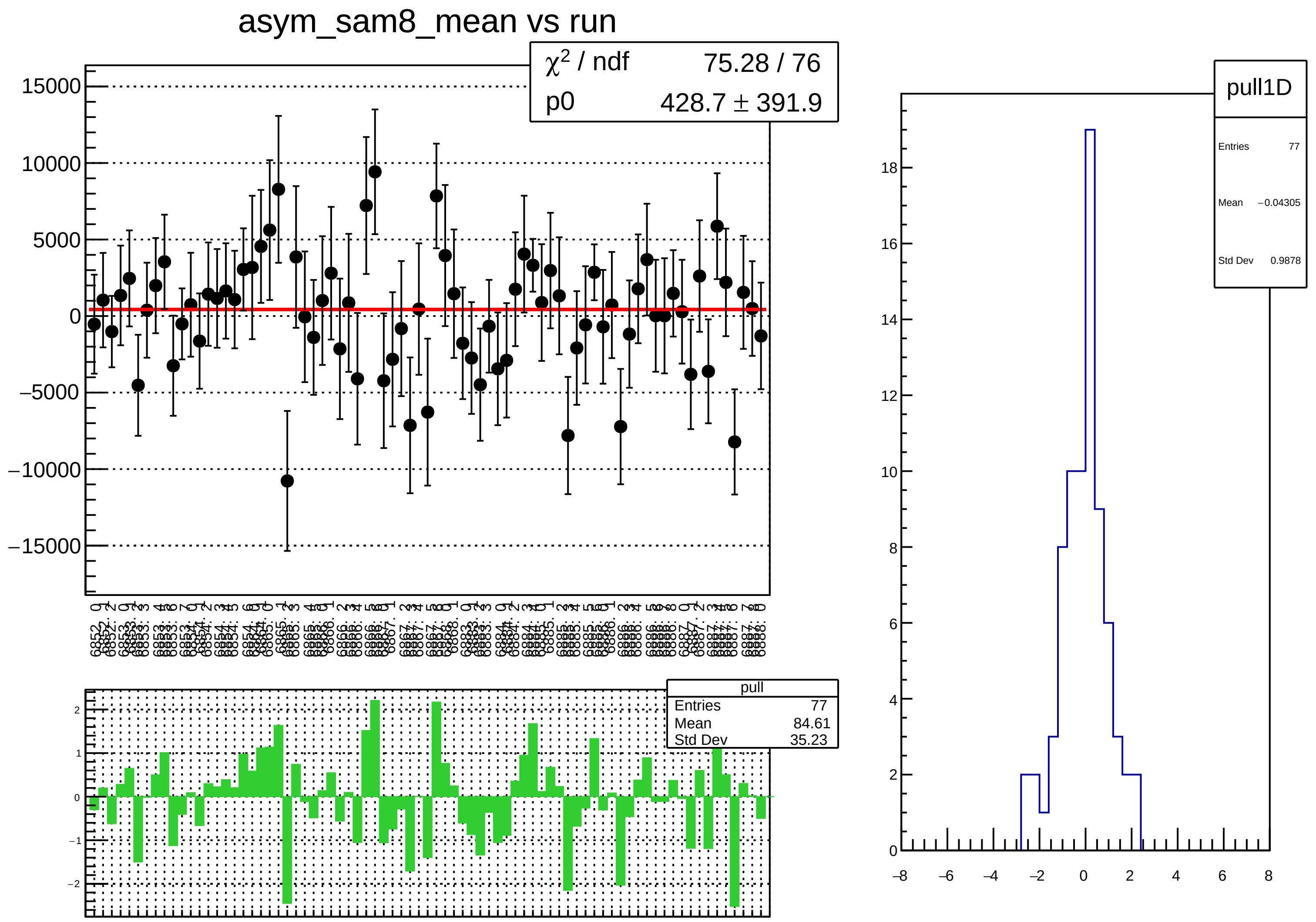

dit_asym_sam8_mean vs run
$\chi^2$ / ndf 61.1 / 76
p0 −125.6 ± 67.7
pull
Entries 77
Mean −209.8
Std Dev 250.3
pull1D
Entries 77
Mean −0.008838
Std Dev 0.8907

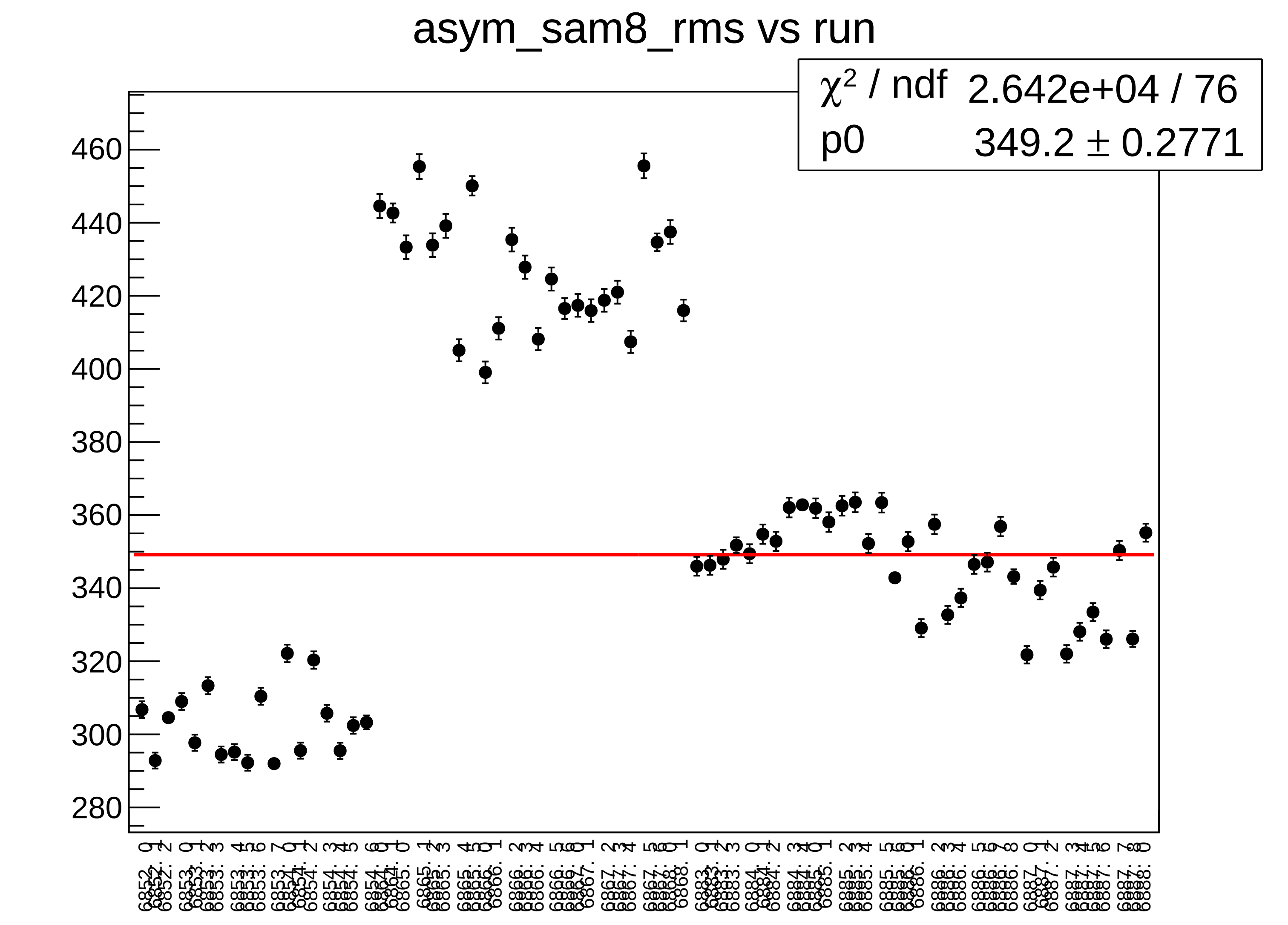

dit_asym_sam8_rms vs run
χ2 / ndf 1.577e+04 / 76
p0 60.52 ± 0.04787
120
110
100
90
80
70
60
50

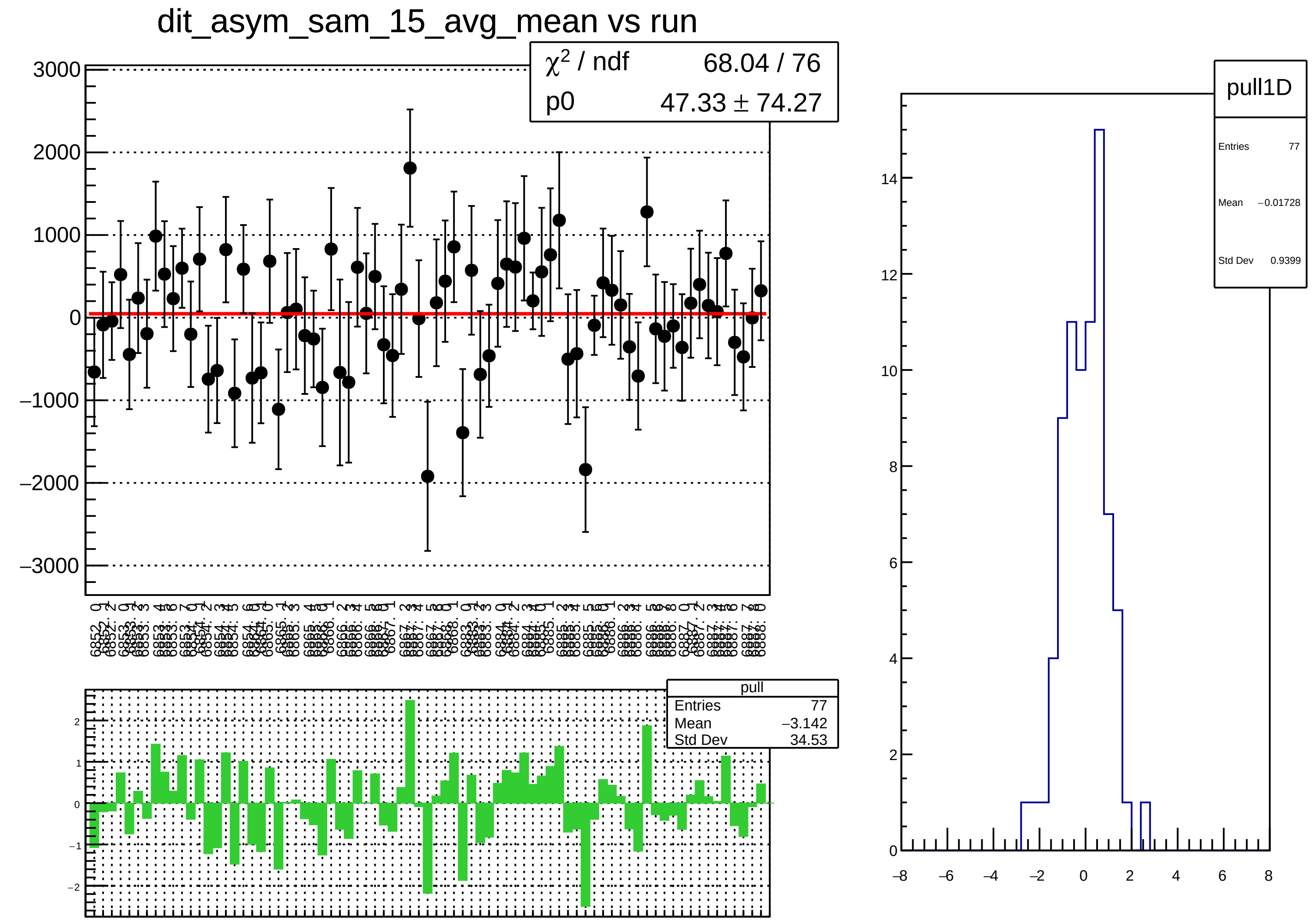


asym_sam8_correction_mean vs run
χ2 / ndf 221.8 / 76
p0 −1509 ± 391.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 77
Mean 42.23
Std Dev 30.69
2
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 77
Mean 0.3319
Std Dev 0.9553
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

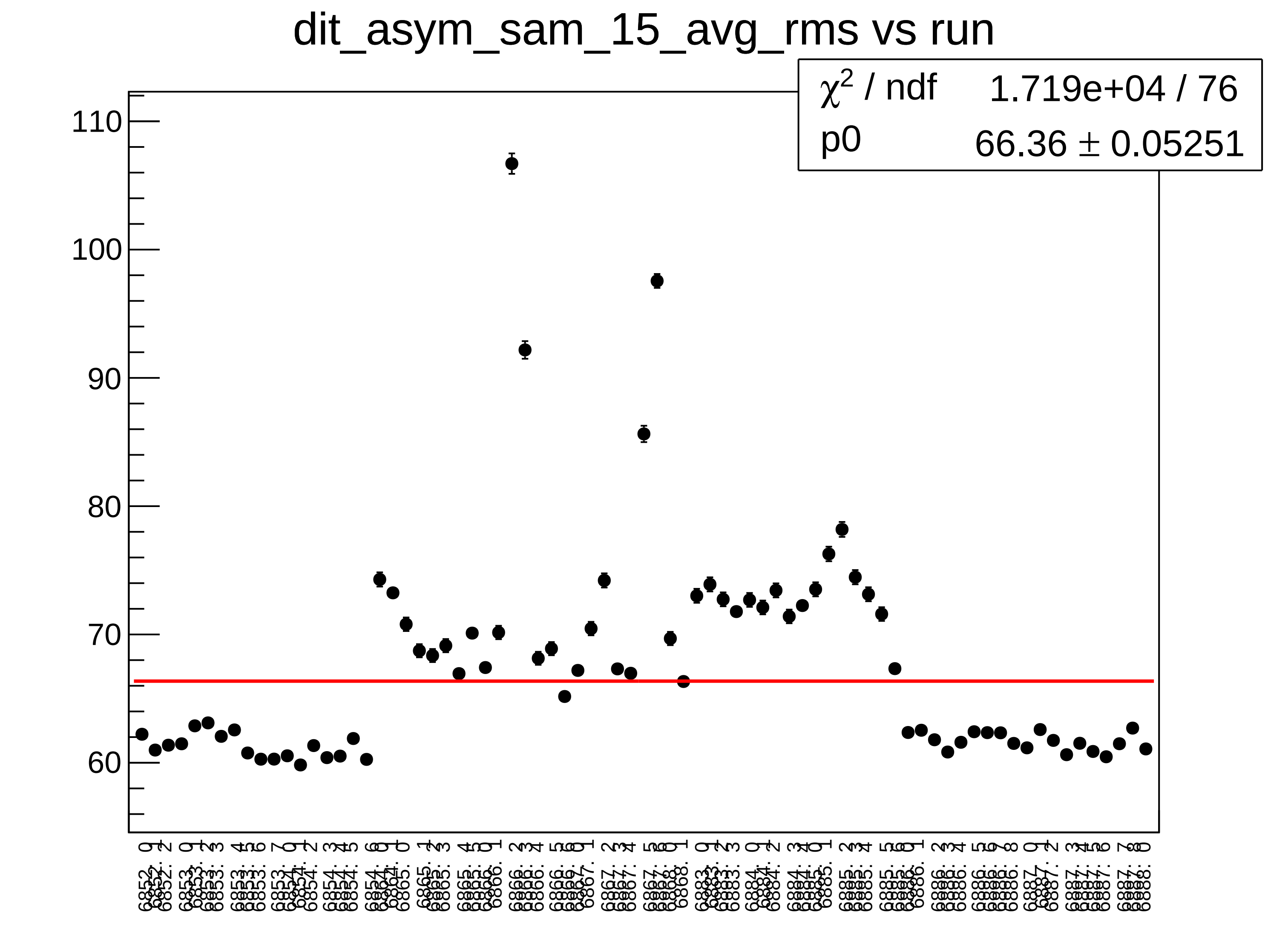

asym_sam8_correction_rms vs run
χ2 / ndf 2.972e+04 / 76
p0 348.1 ± 0.2766
480
460
440
420
400
380
360
340
320
300
280

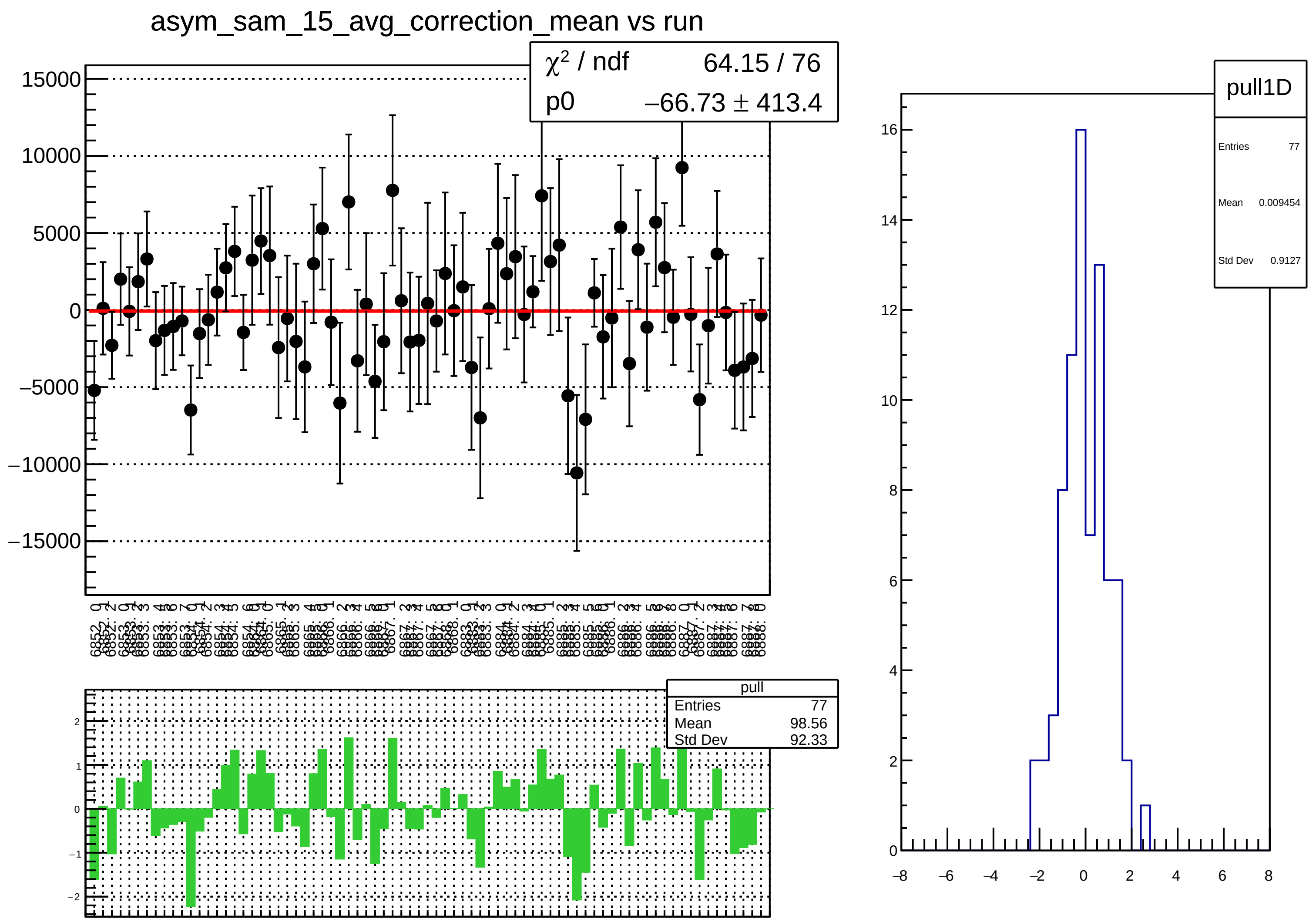

asym_sam8_mean vs run
χ2 / ndf 75.28 / 76
p0 428.7 ± 391.9
pull
Entries 77
Mean 84.61
Std Dev 35.23
pull1D
Entries 77
Mean −0.04305
Std Dev 0.9878


asym_sam8_rms vs run
χ2 / ndf 2.642e+04 / 76
p0 349.2 ± 0.2771
460
440
420
400
380
360
340
320
300
280

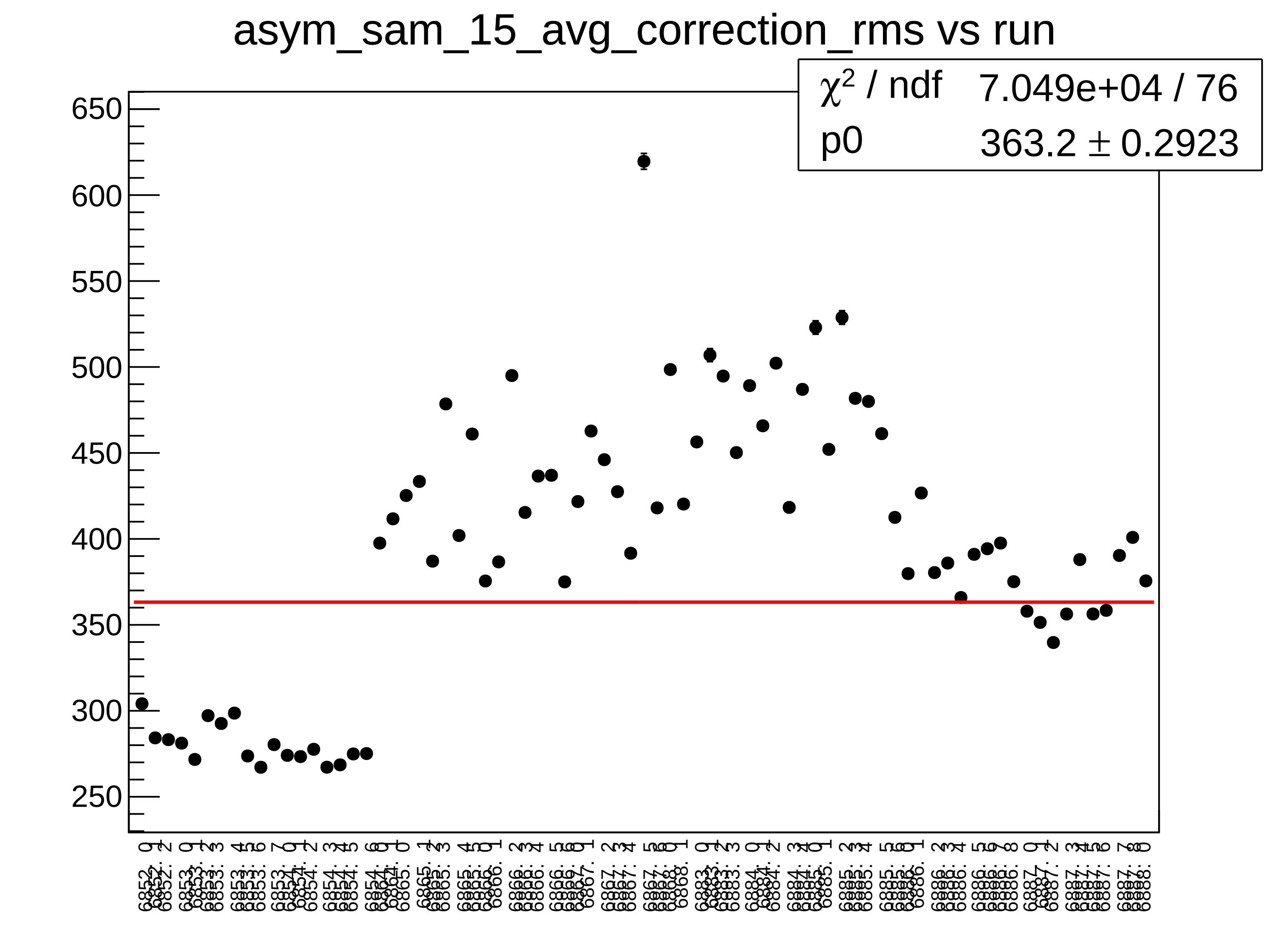


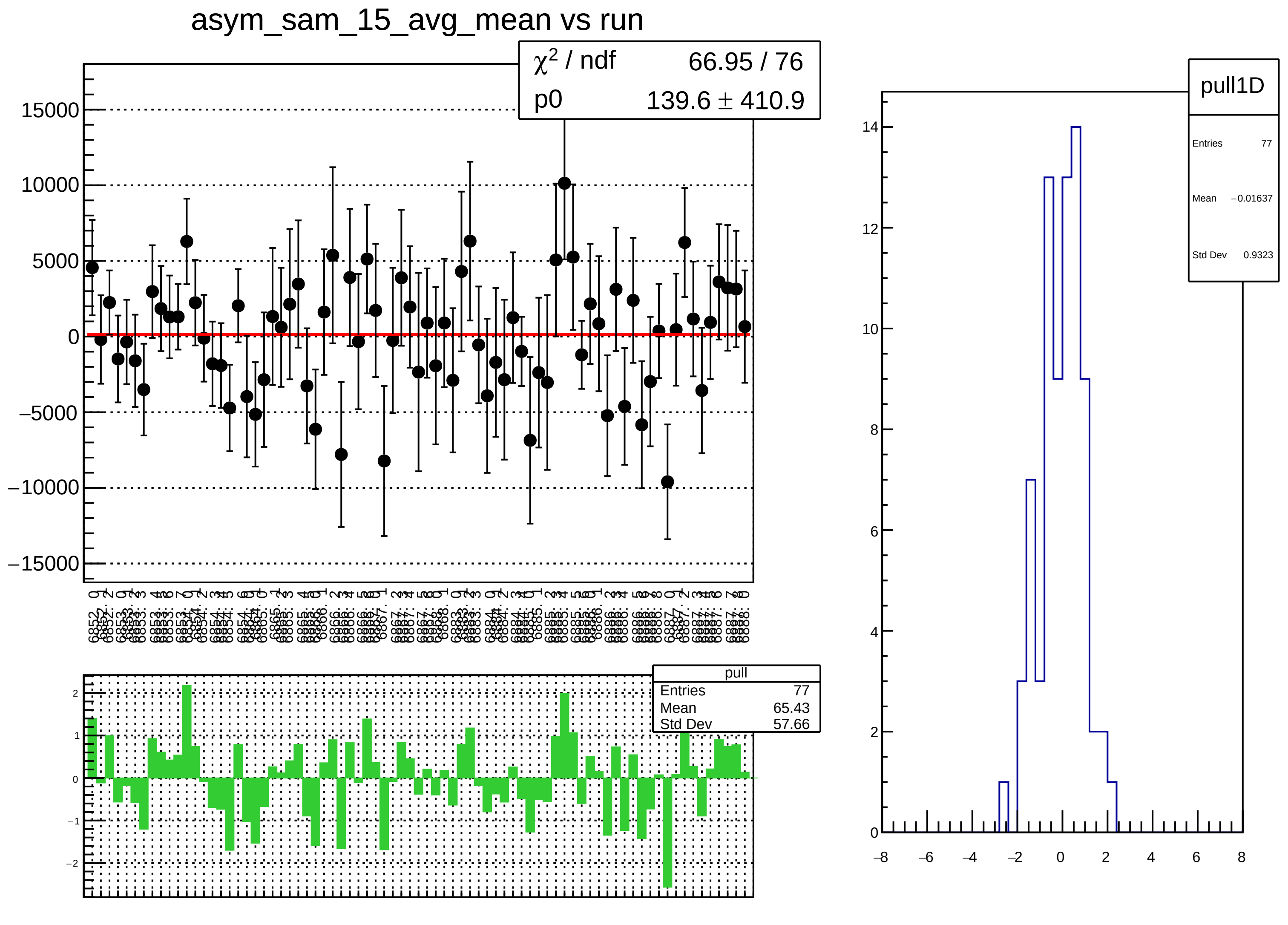
dit_asym_sam_15_avg_mean vs run
$\chi^2$ / ndf 68.04 / 76
p0 47.33 ± 74.27
pull
Entries 77
Mean −3.142
Std Dev 34.53
pull1D
Entries 77
Mean −0.01728
Std Dev 0.9399


dit_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 1.719e+04 / 76
p0 66.36 ± 0.05251
110
100
90
80
70
60

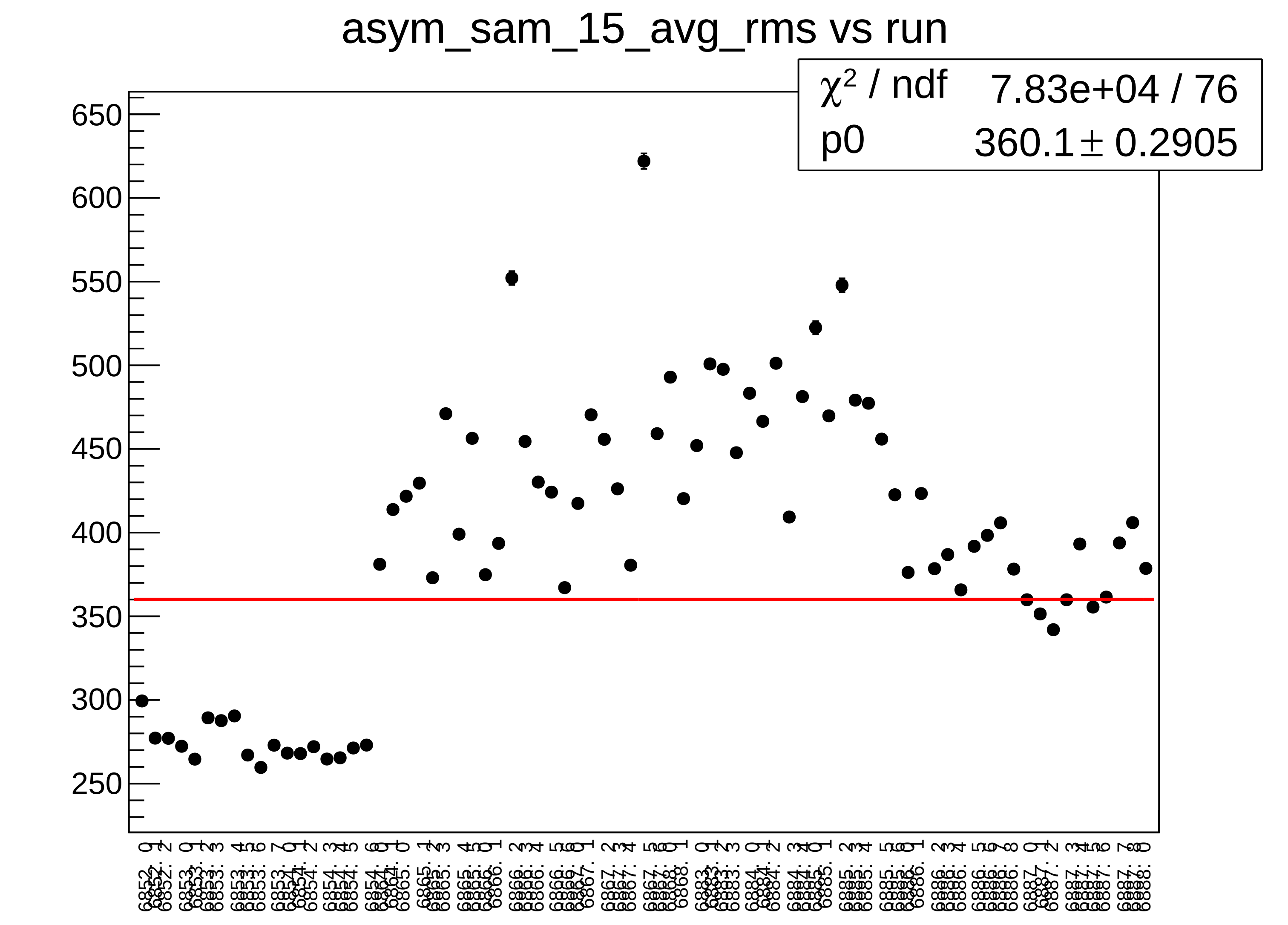


asym_sam_15_avg_correction_mean vs run
$\chi^2$ / ndf 64.15 / 76
p0 −66.73 ± 413.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean 98.56
Std Dev 92.33
pull1D
Entries 77
Mean 0.009454
Std Dev 0.9127

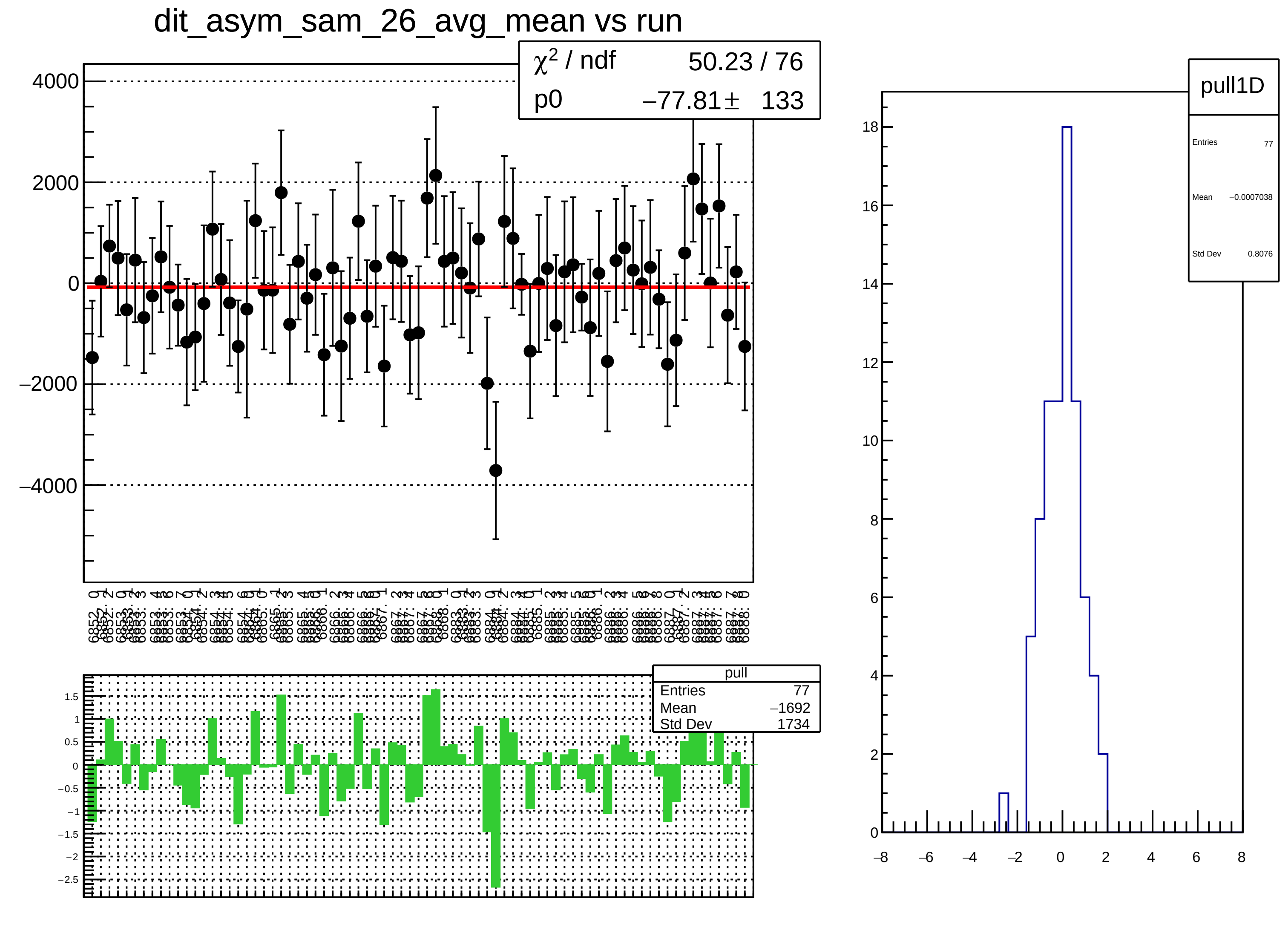

asym_sam_15_avg_correction_rms vs run
χ2 / ndf 7.049e+04 / 76
p0 363.2 ± 0.2923
650
600
550
500
450
400
350
300
250



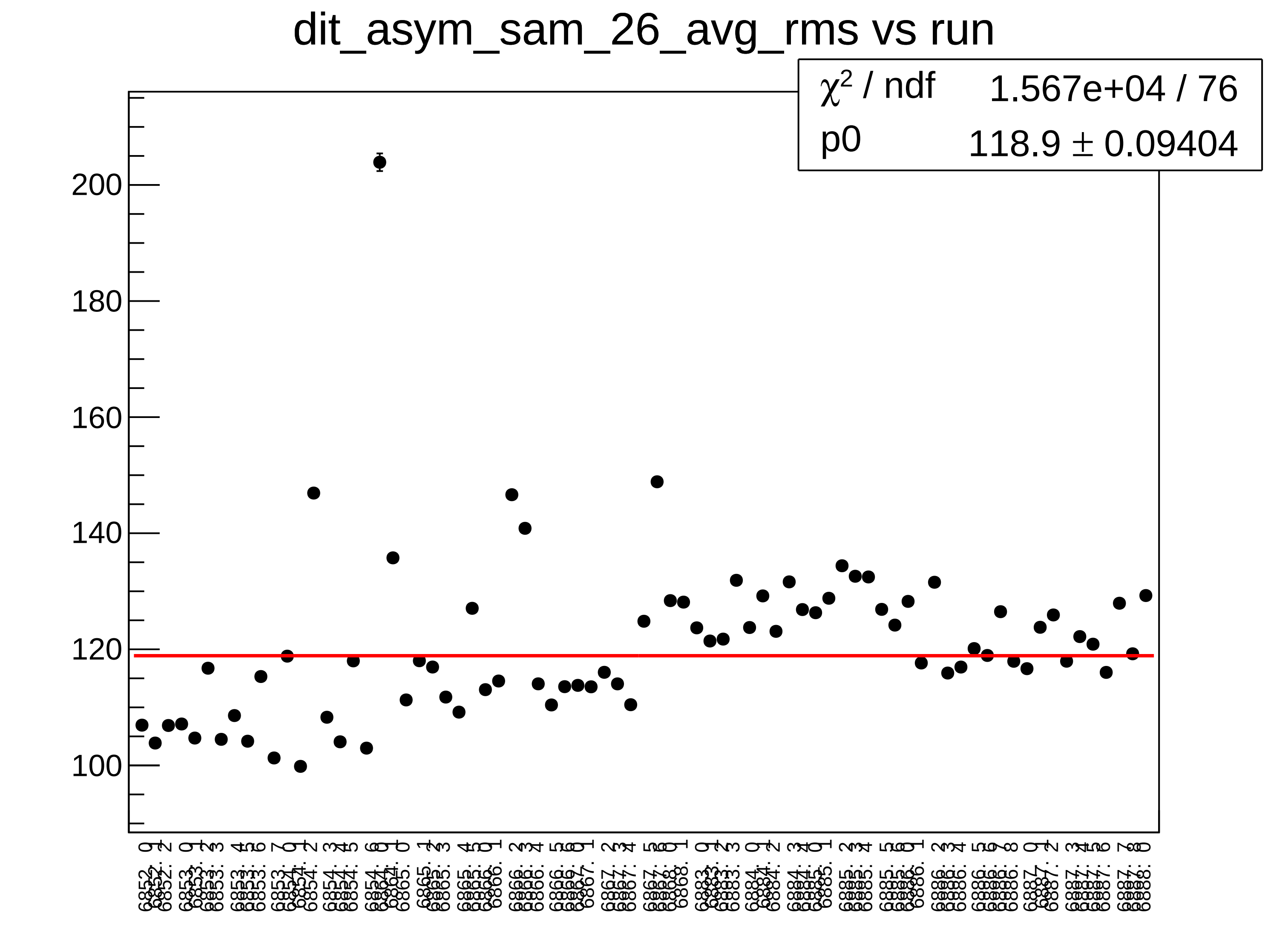
asym_sam_15_avg_mean vs run
$\chi^2$ / ndf 66.95 / 76
p0 139.6 ± 410.9
pull
Entries 77
Mean 65.43
Std Dev 57.66
pull1D
Entries 77
Mean −0.01637
Std Dev 0.9323



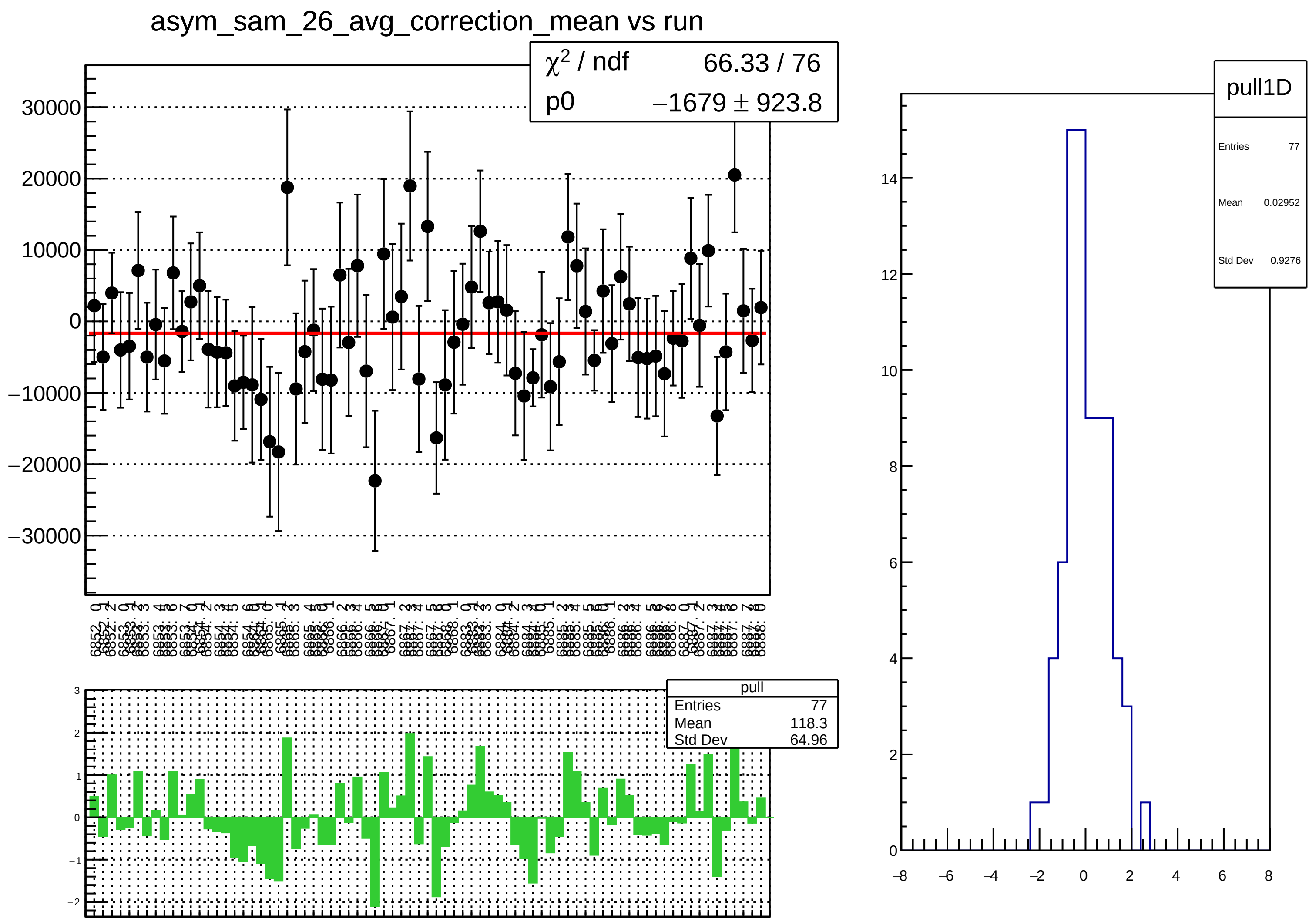
asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 7.83e+04 / 76
p0 360.1 ± 0.2905
650
600
550
500
450
400
350
300
250

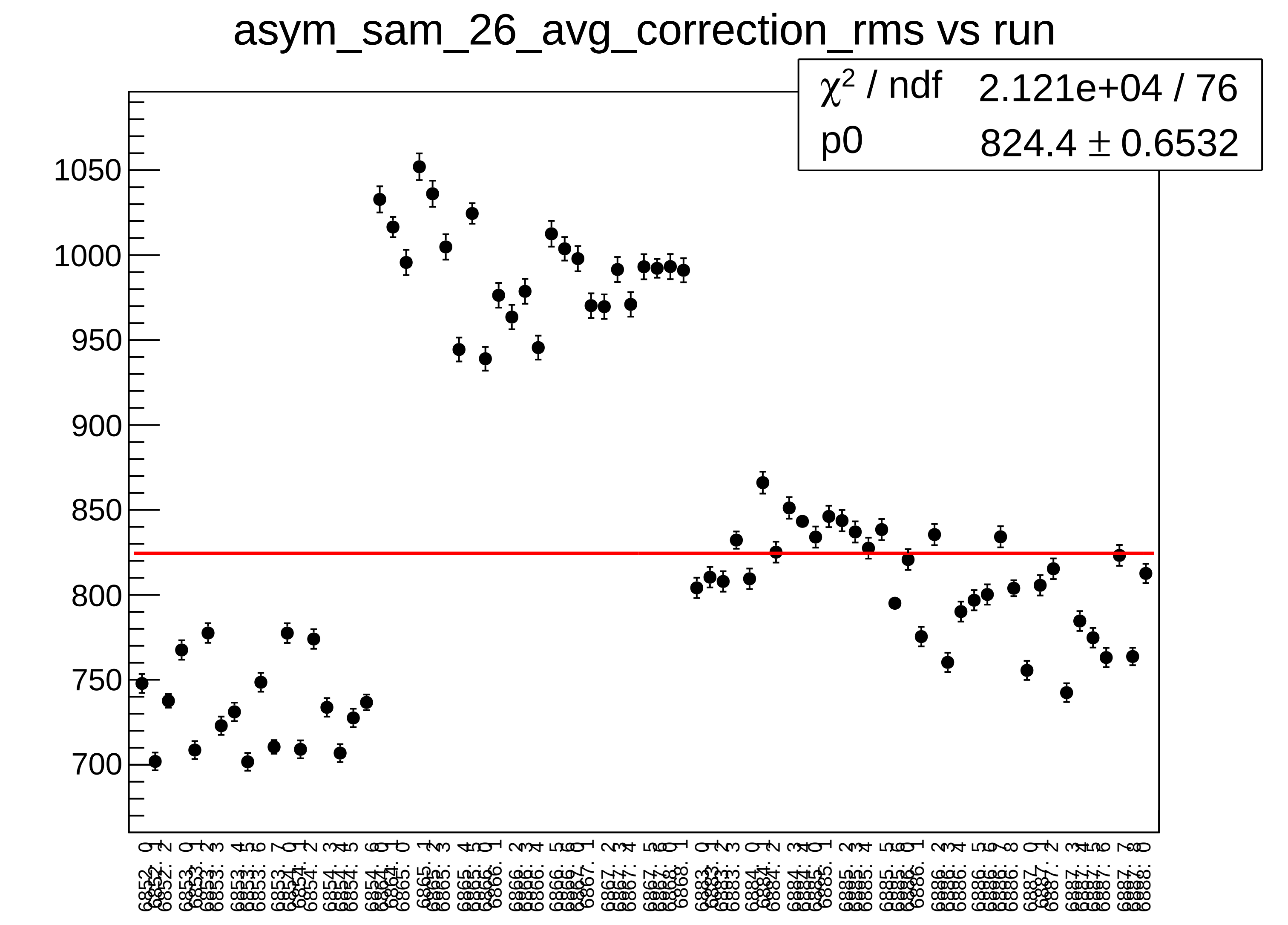


dit_asym_sam_26_avg_mean vs run
$\chi^2$ / ndf 50.23 / 76
p0 −77.81 ± 133
4000
2000
0
−2000
−4000
pull
Entries 77
Mean −1692
Std Dev 1734
pull1D
Entries 77
Mean −0.0007038
Std Dev 0.8076

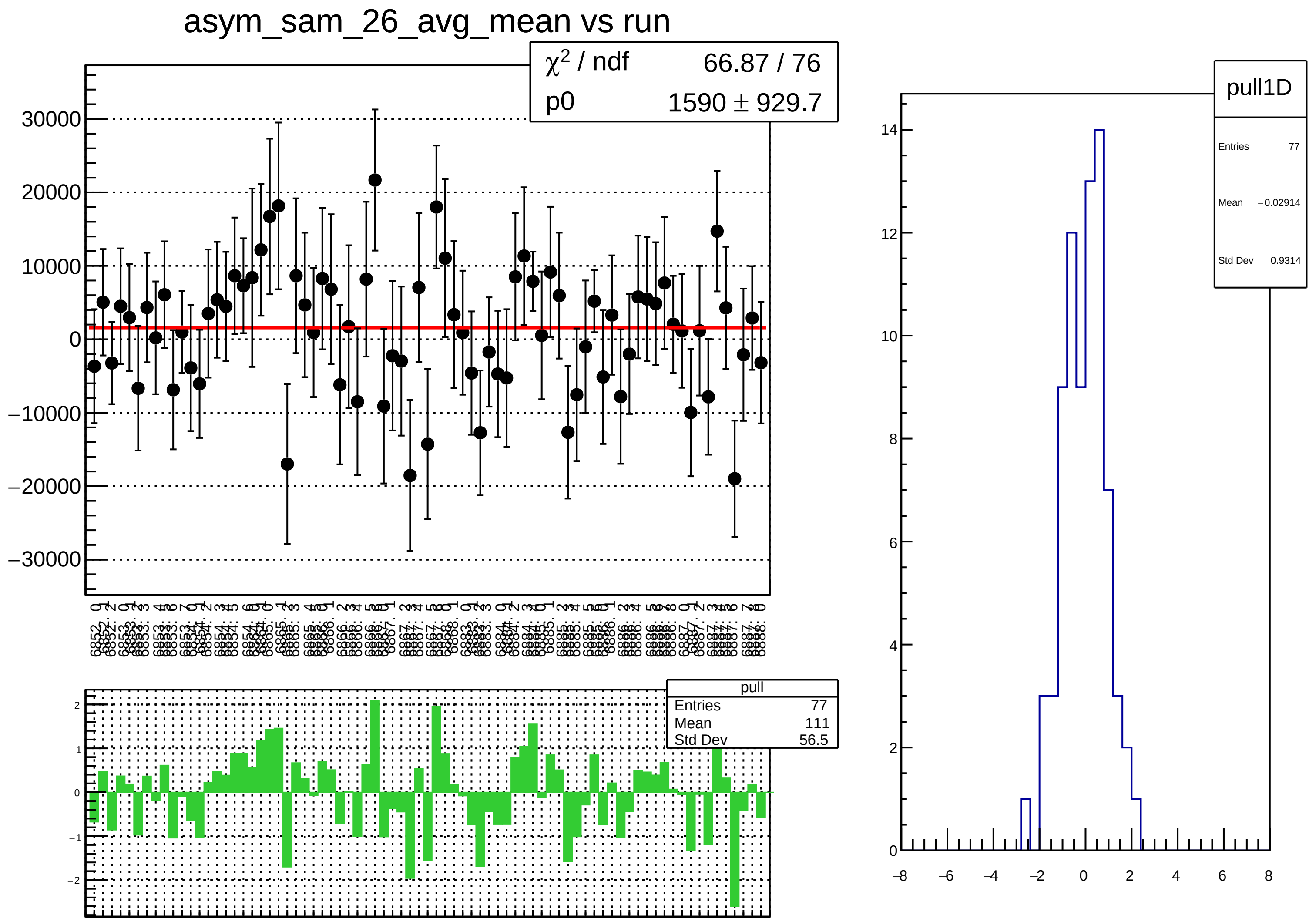


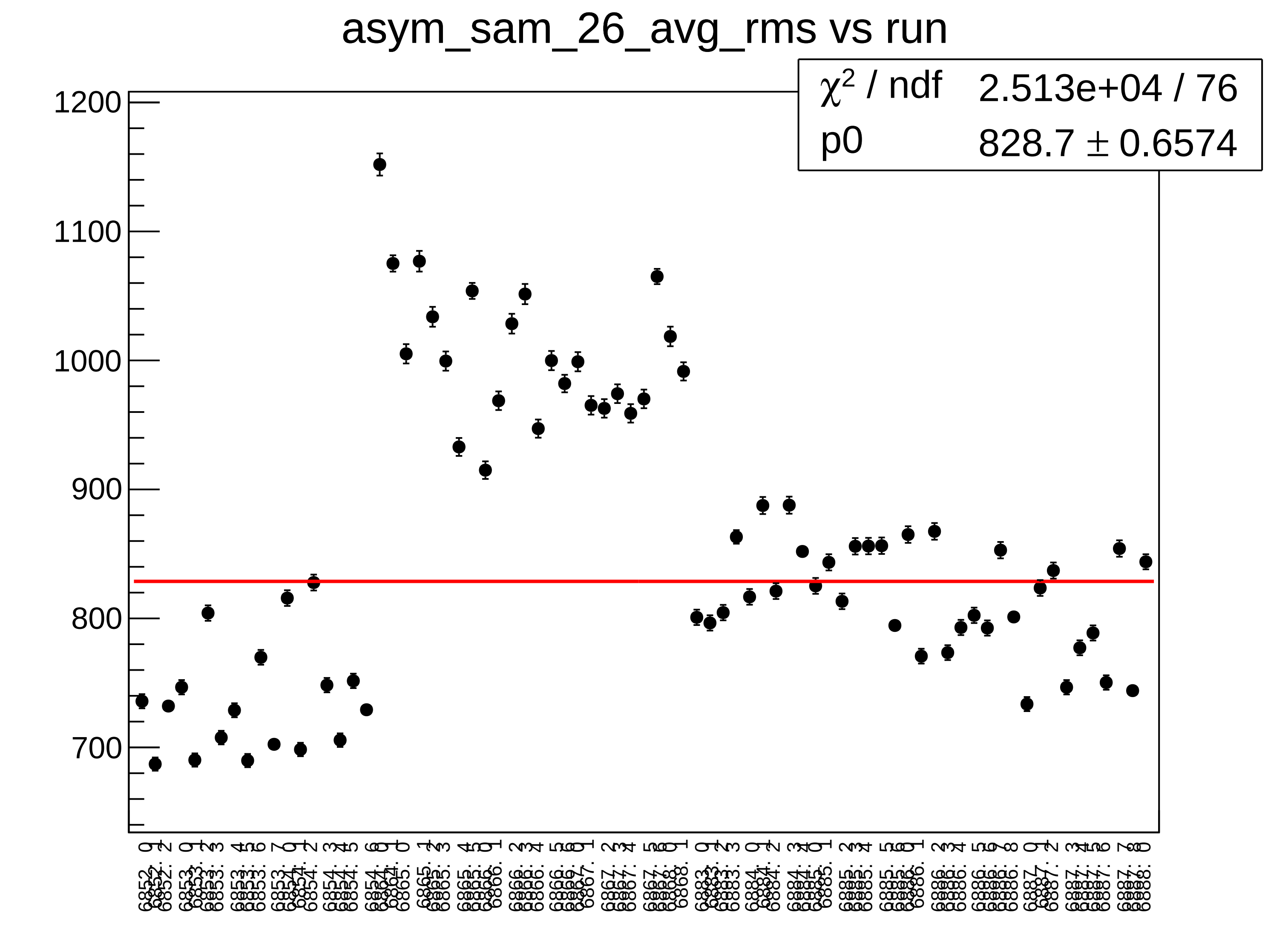
dit_asym_sam_26_avg_rms vs run
$\chi^2$ / ndf 1.567e+04 / 76
p0 118.9 ± 0.09404
200
180
160
140
120
100


asym_sam_26_avg_correction_mean vs run
$\chi^2$ / ndf 66.33 / 76
p0 −1679 ± 923.8
pull
Entries 77
Mean 118.3
Std Dev 64.96
pull1D
Entries 77
Mean 0.02952
Std Dev 0.9276

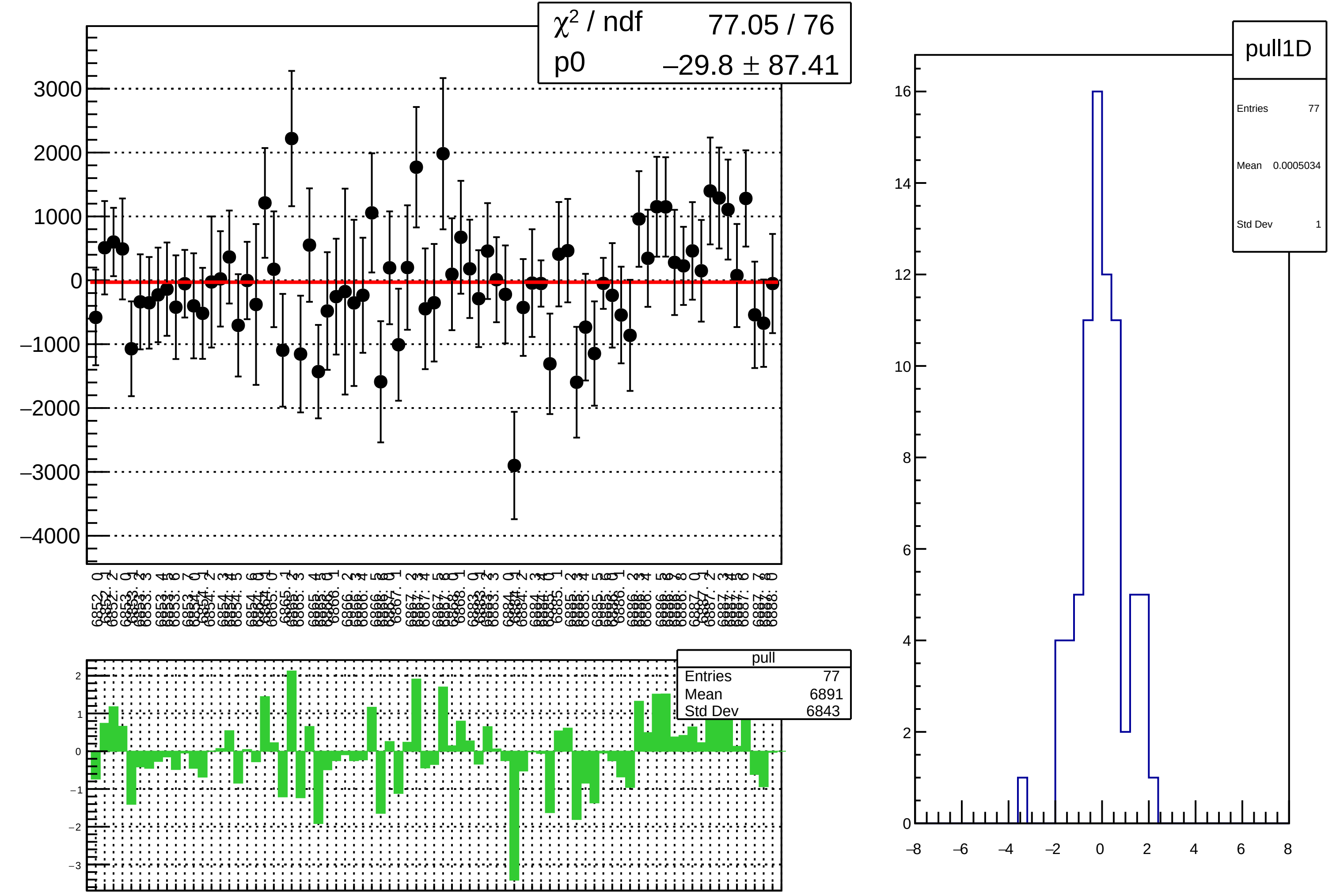


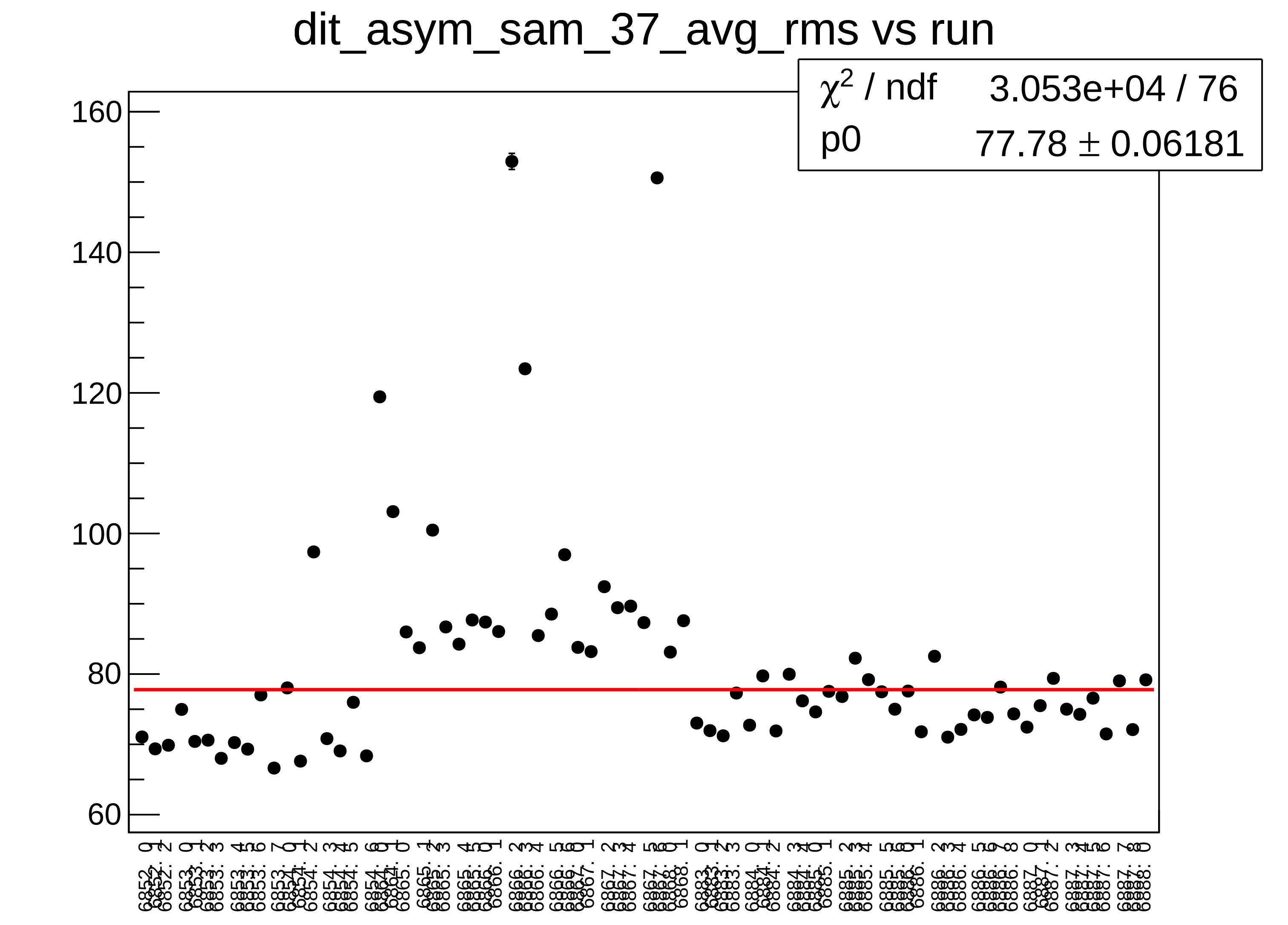
asym_sam_26_avg_correction_rms vs run
χ2 / ndf 2.121e+04 / 76
p0 824.4 ± 0.6532


asym_sam_26_avg_mean vs run
χ2 / ndf 66.87 / 76
p0 1590 ± 929.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 77
Mean 111
Std Dev 56.5
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.02914
Std Dev 0.9314
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

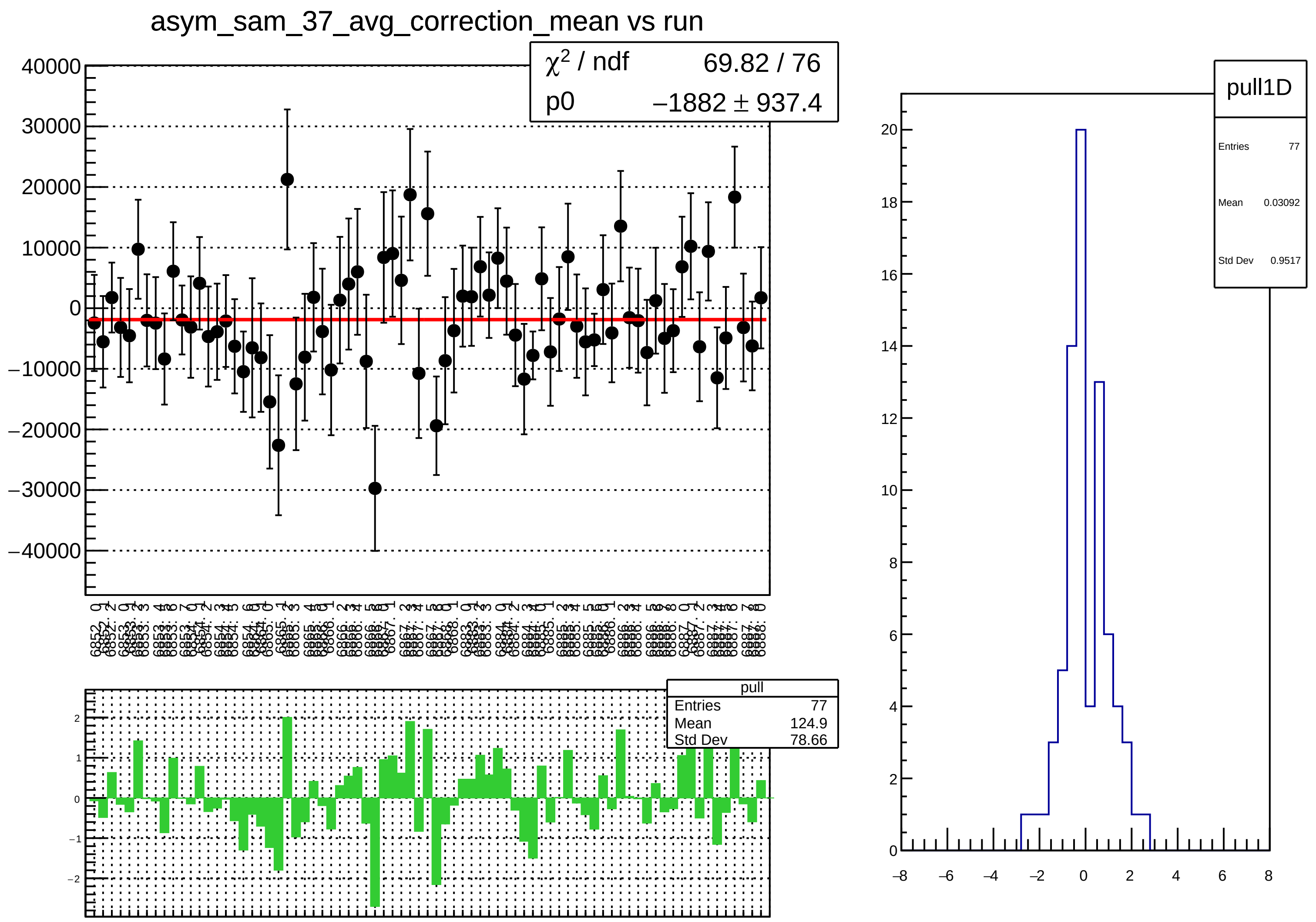

asym_sam_26_avg_rms vs run
χ2 / ndf 2.513e+04 / 76
p0 828.7 ± 0.6574

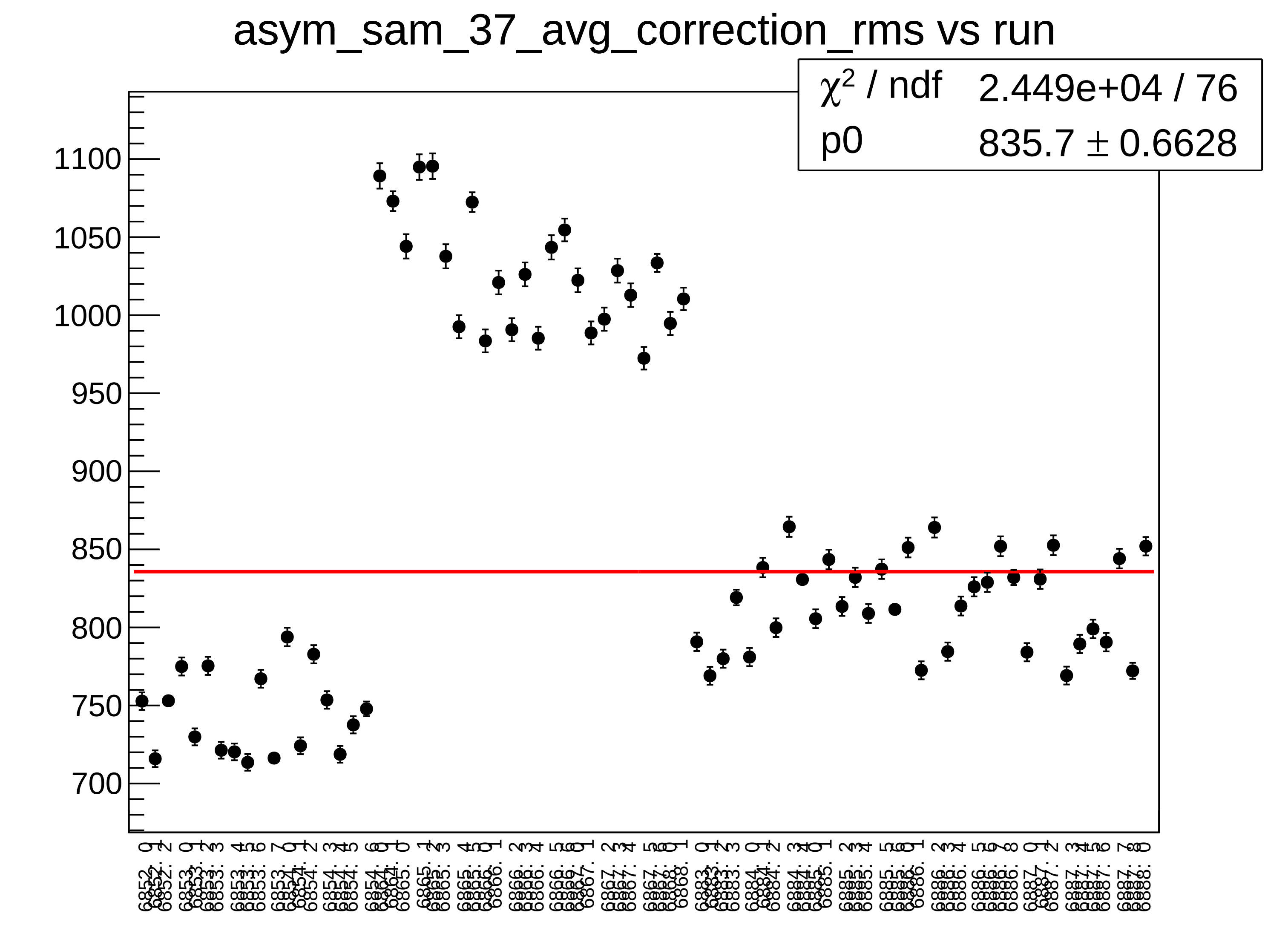
# dit_asym_sam_37_avg_mean vs run



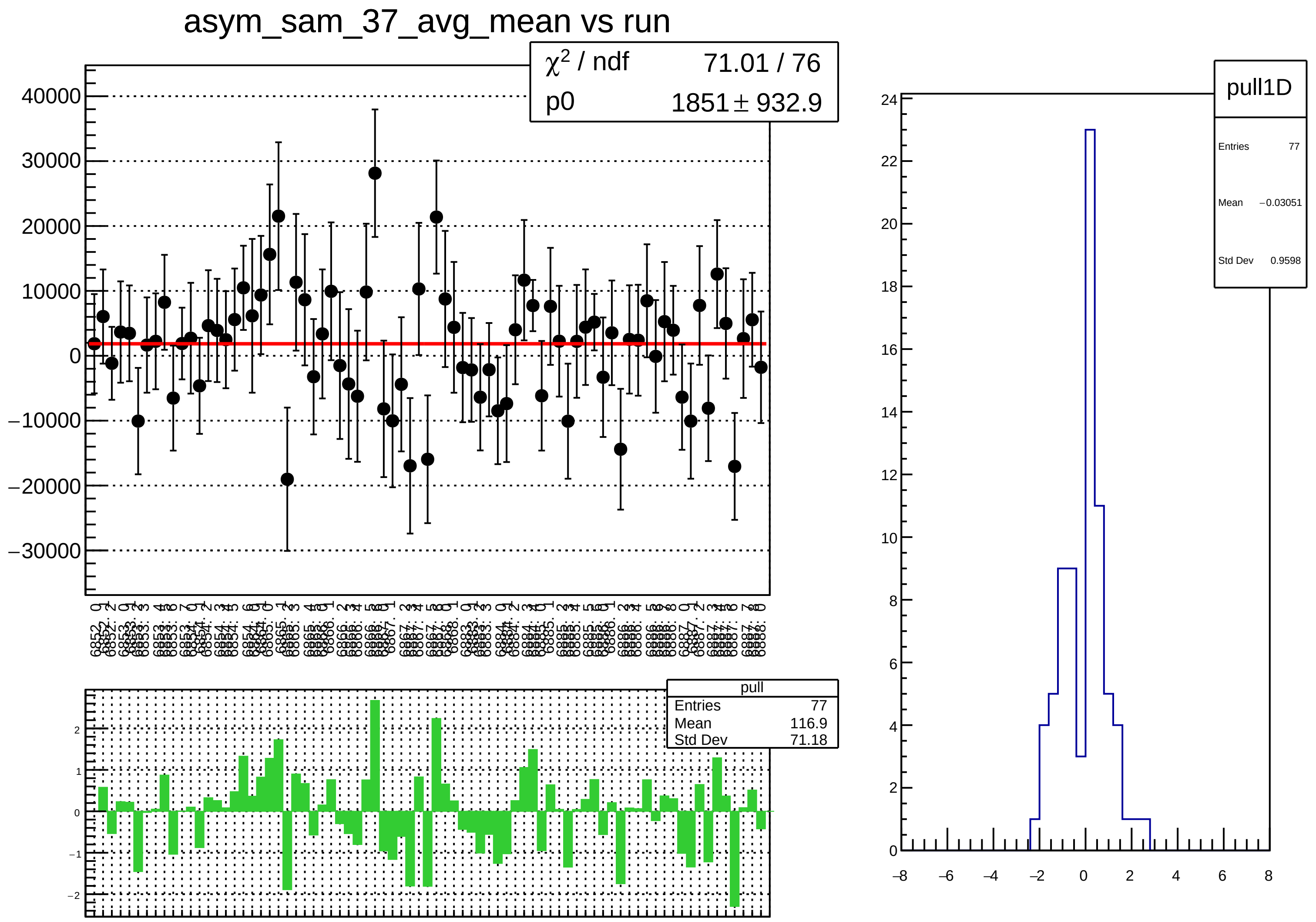


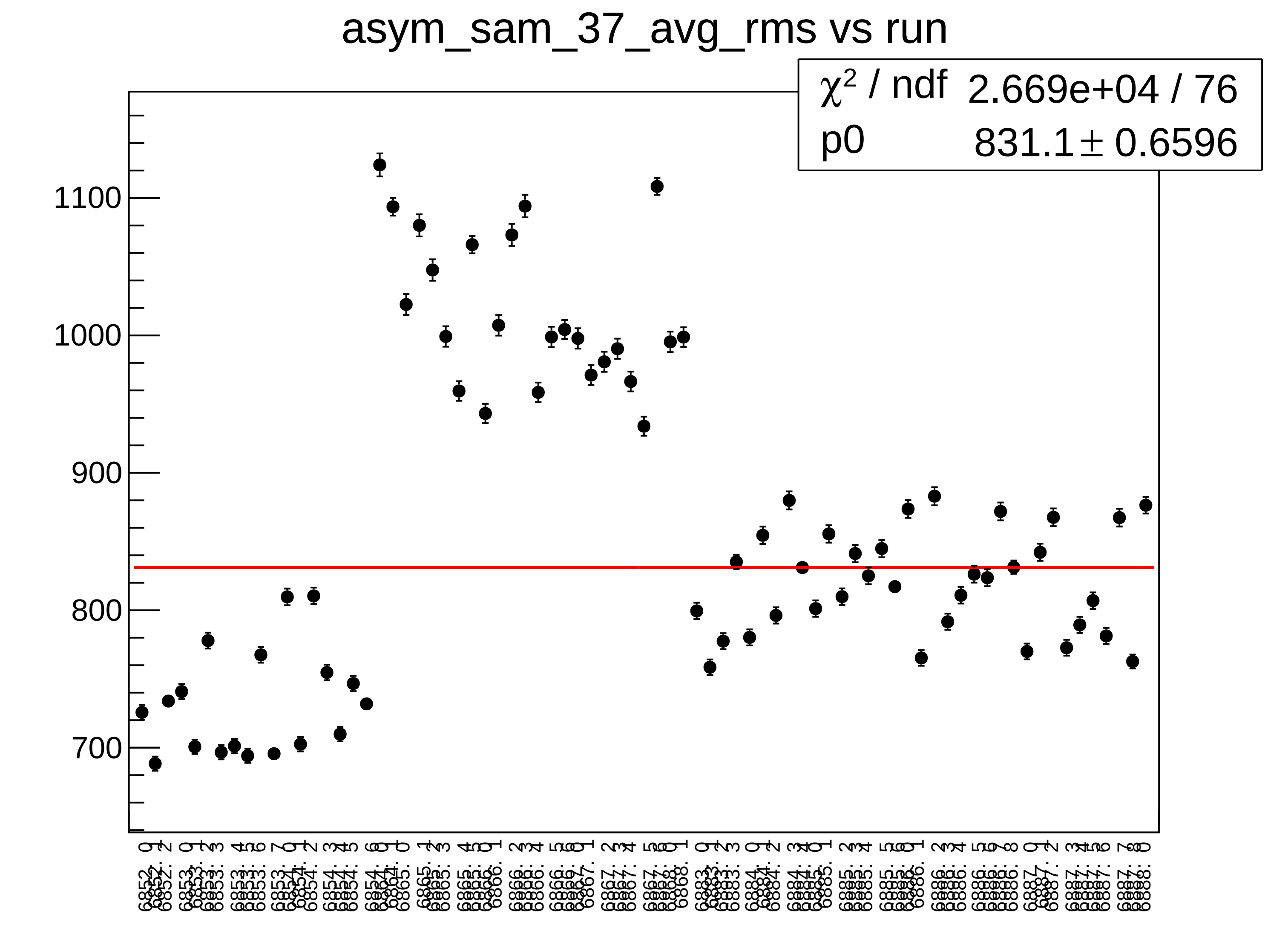
dit_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 3.053e+04 / 76
p0 77.78 ± 0.06181
160
140
120
100
80
60

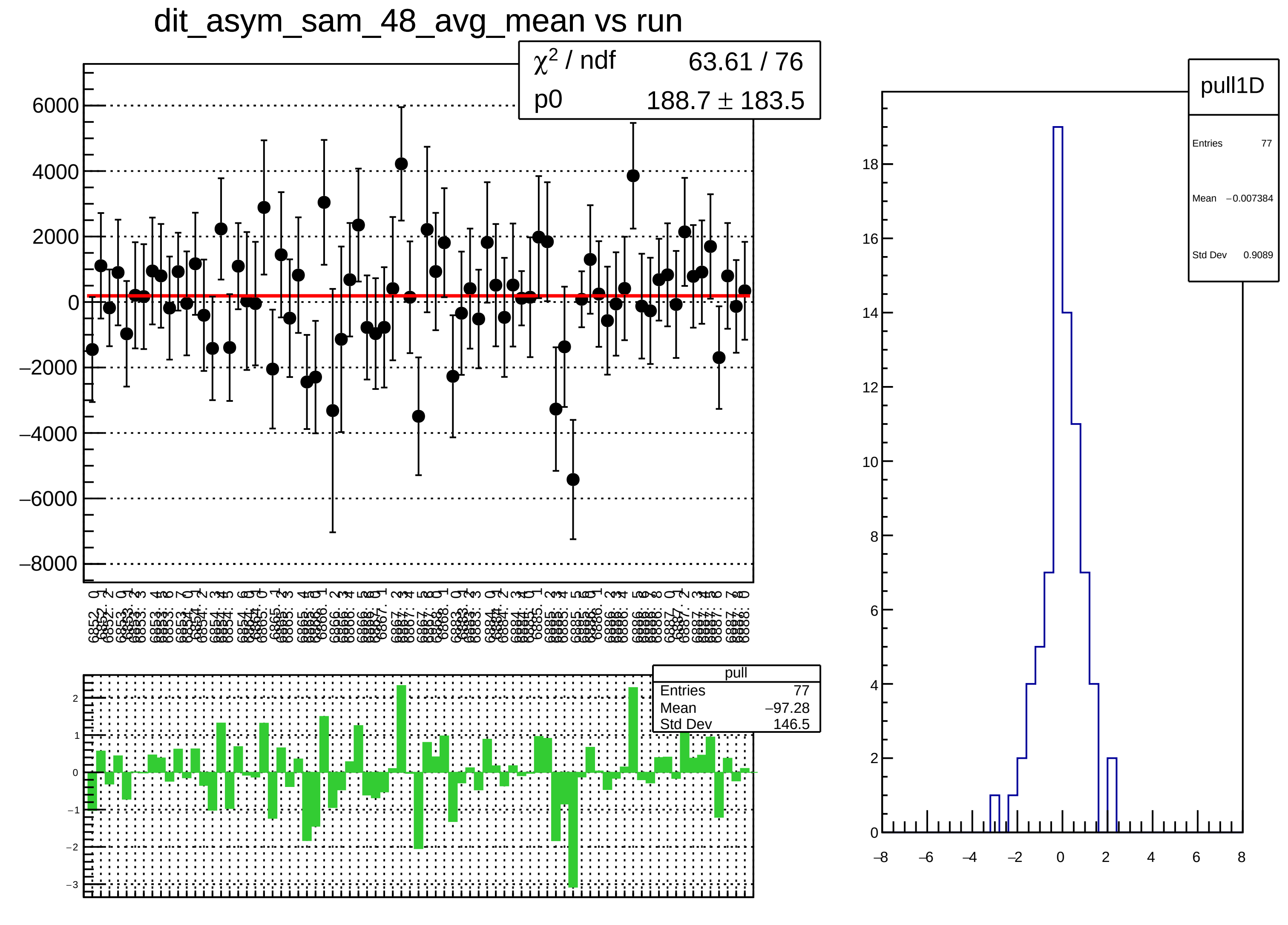

asym_sam_37_avg_correction_mean vs run
$\chi^2$ / ndf 69.82 / 76
p0 −1882 ± 937.4
pull
Entries 77
Mean 124.9
Std Dev 78.66
pull1D
Entries 77
Mean 0.03092
Std Dev 0.9517



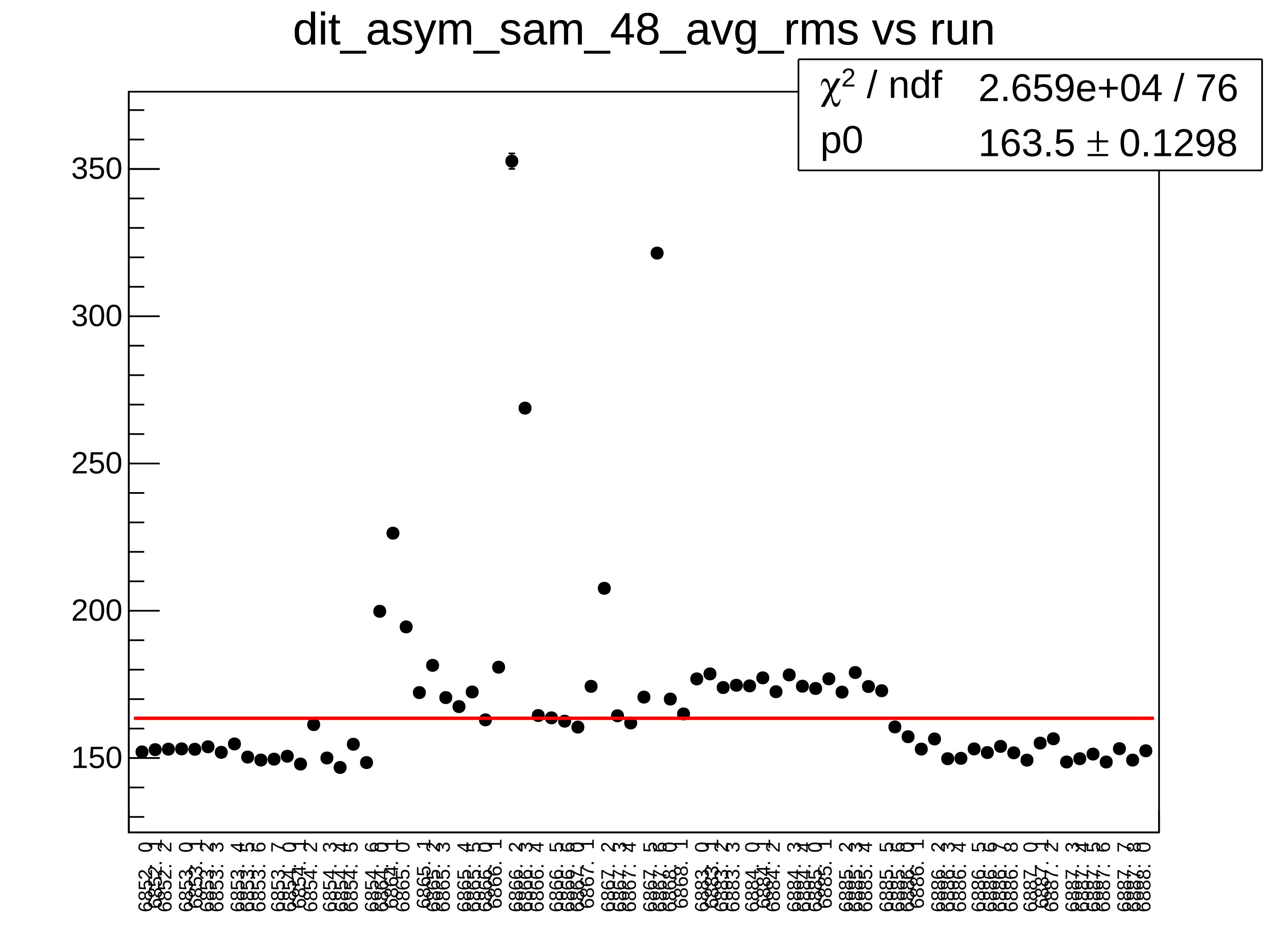
asym_sam_37_avg_correction_rms vs run
$\chi^2$ / ndf 2.449e+04 / 76
p0 835.7 ± 0.6628
1100
1050
1000
950
900
850
800
750
700


asym_sam_37_avg_mean vs run
$\chi^2$ / ndf 71.01 / 76
p0 1851 ± 932.9
pull
Entries 77
Mean 116.9
Std Dev 71.18
pull1D
Entries 77
Mean −0.03051
Std Dev 0.9598

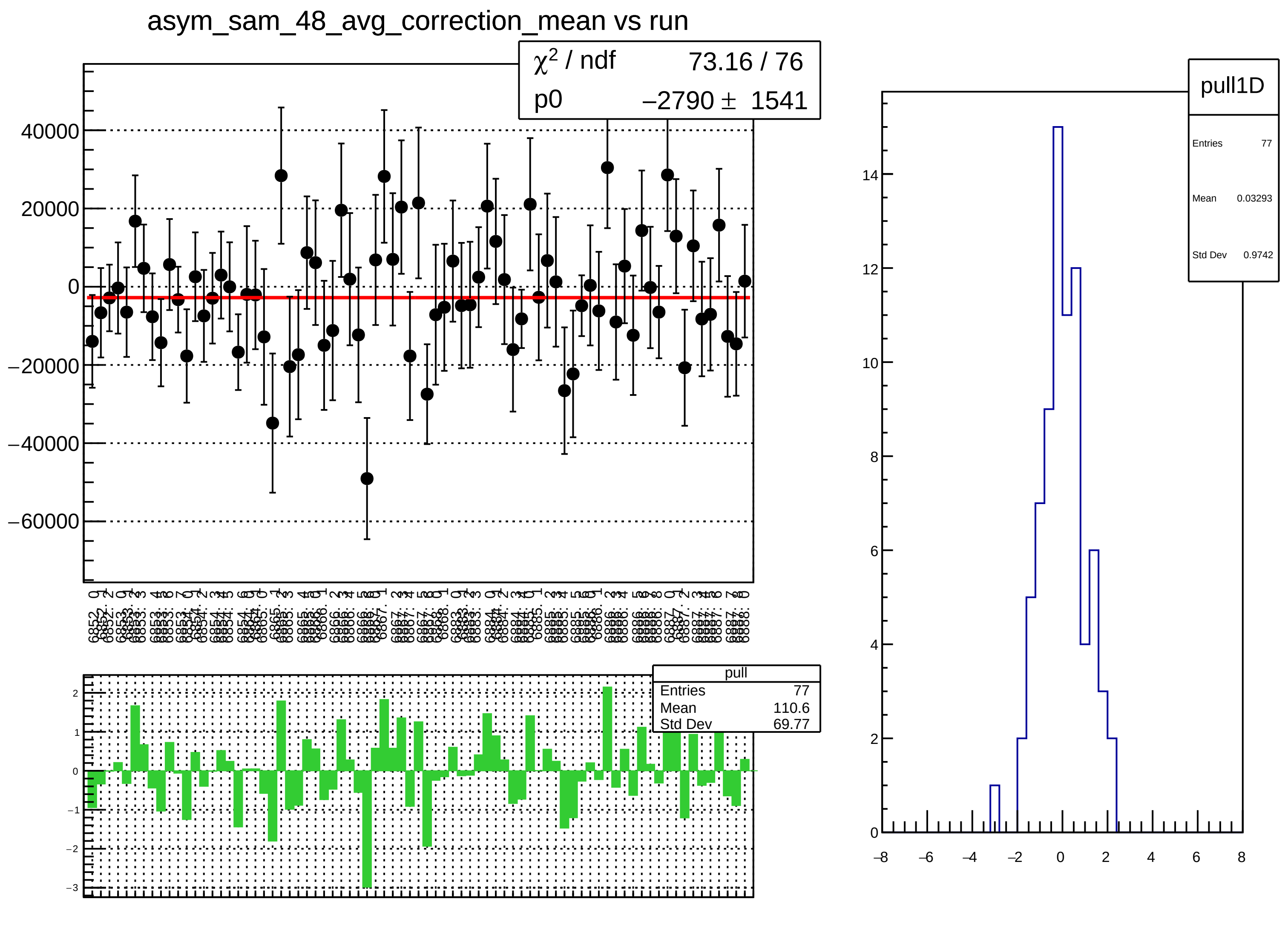

asym_sam_37_avg_rms vs run
χ2 / ndf 2.669e+04 / 76
p0 831.1 ± 0.6596
1100
1000
900
800
700



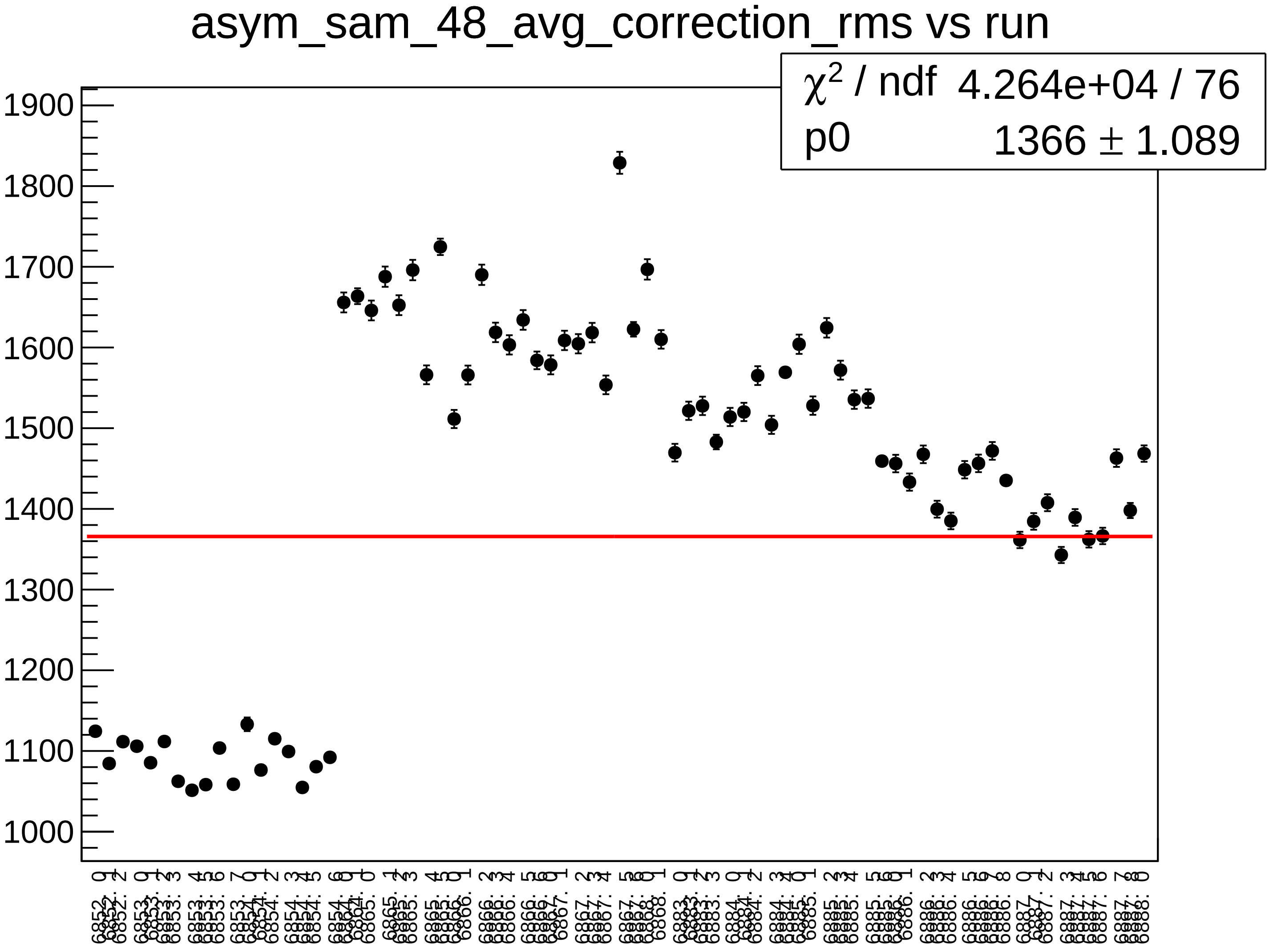
dit_asym_sam_48_avg_mean vs run
χ² / ndf 63.61 / 76
p0 188.7 ± 183.5
pull
Entries 77
Mean −97.28
Std Dev 146.5
pull1D
Entries 77
Mean −0.007384
Std Dev 0.9089

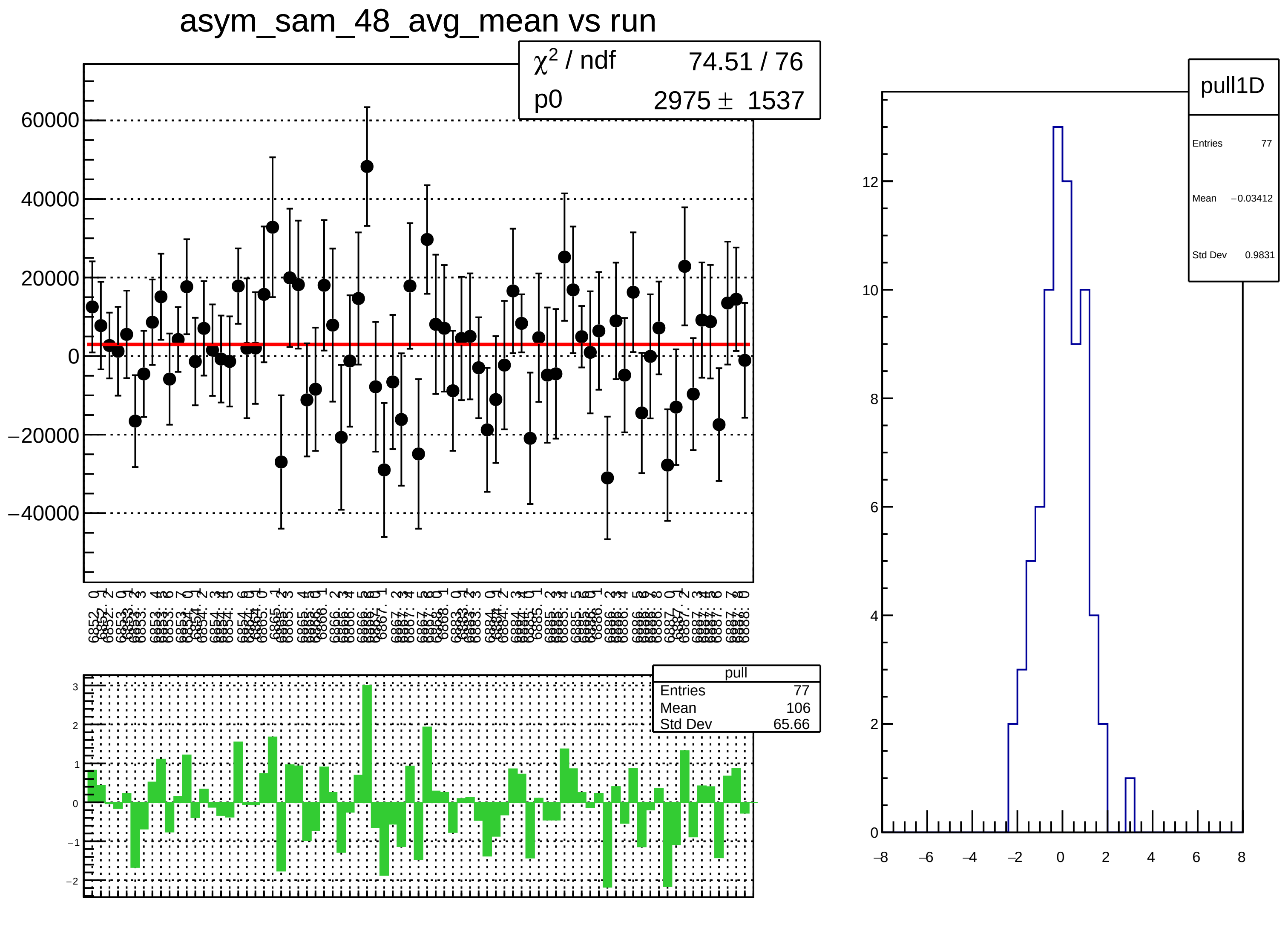


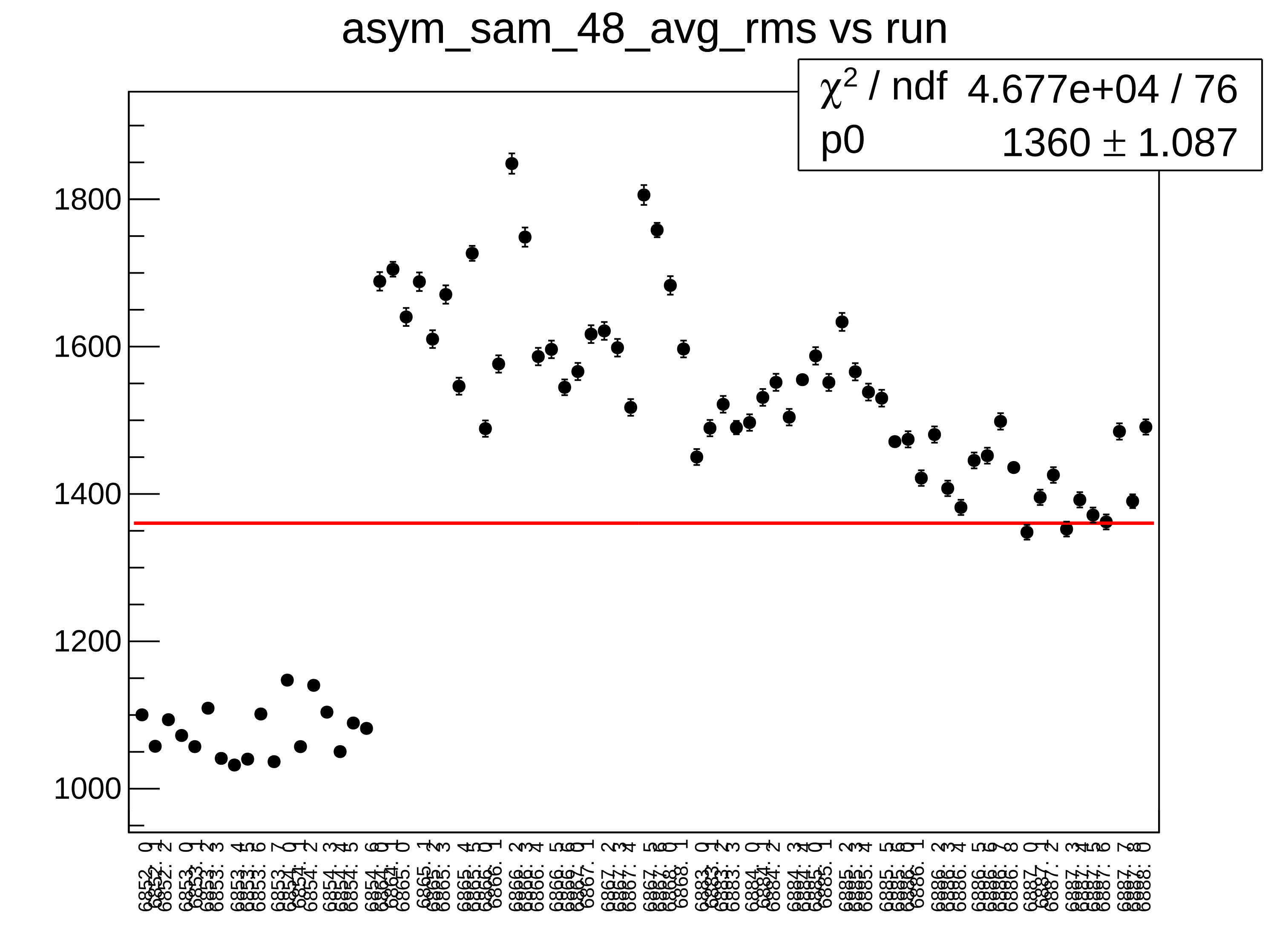
dit_asym_sam_48_avg_rms vs run
$\chi^2$ / ndf 2.659e+04 / 76
p0 163.5 ± 0.1298
350
300
250
200
150

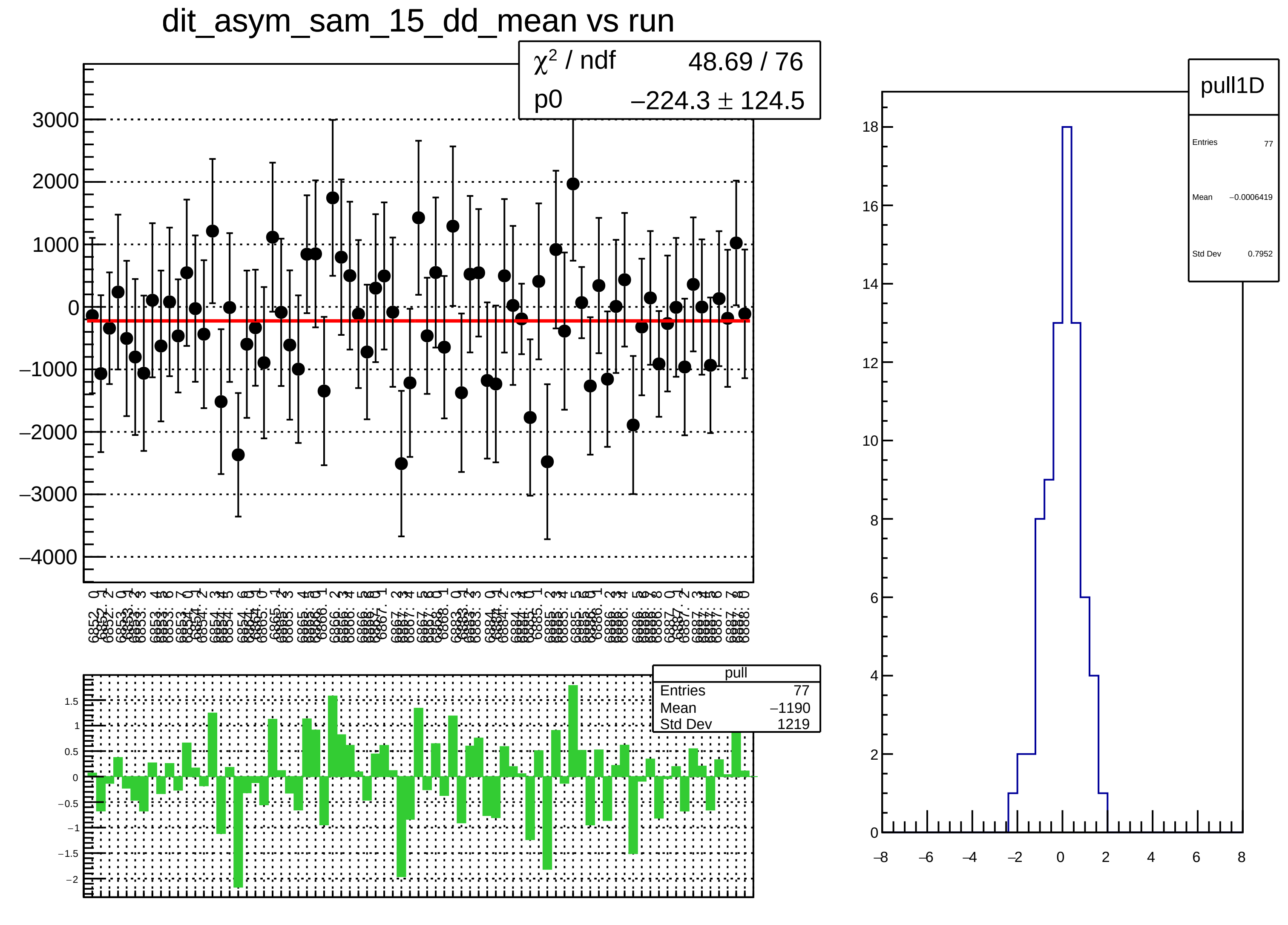


asym_sam_48_avg_correction_mean vs run
χ² / ndf 73.16 / 76
p0 −2790 ± 1541
pull
Entries 77
Mean 110.6
Std Dev 69.77
pull1D
Entries 77
Mean 0.03293
Std Dev 0.9742

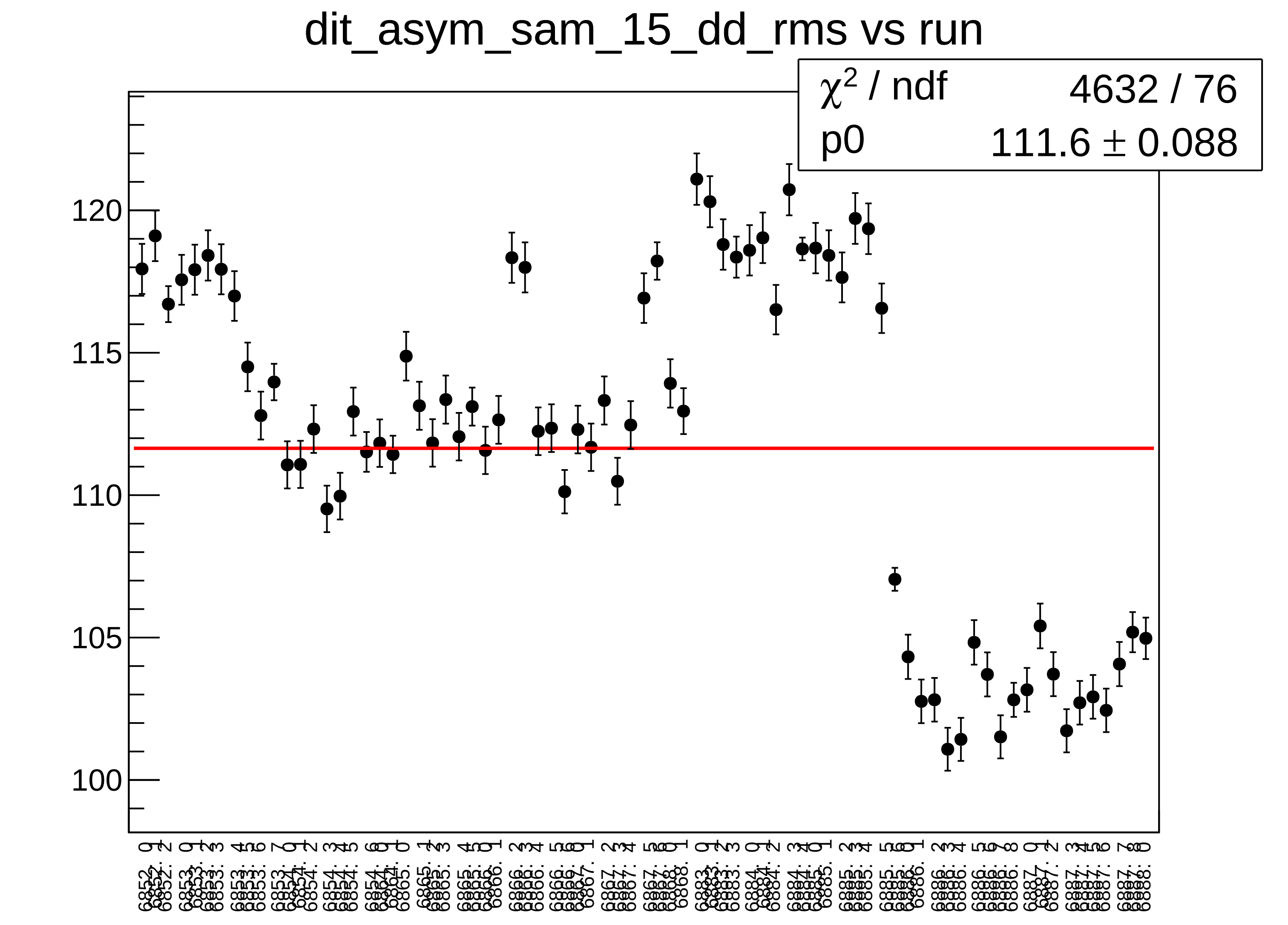

asym_sam_48_avg_correction_rms vs run
$\chi^2$ / ndf 4.264e+04 / 76
p0 1366 ± 1.089
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000


asym_sam_48_avg_mean vs run
χ2 / ndf 74.51 / 76
p0 2975 ± 1537
60000
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 106
Std Dev 65.66
pull1D
Entries 77
Mean −0.03412
Std Dev 0.9831

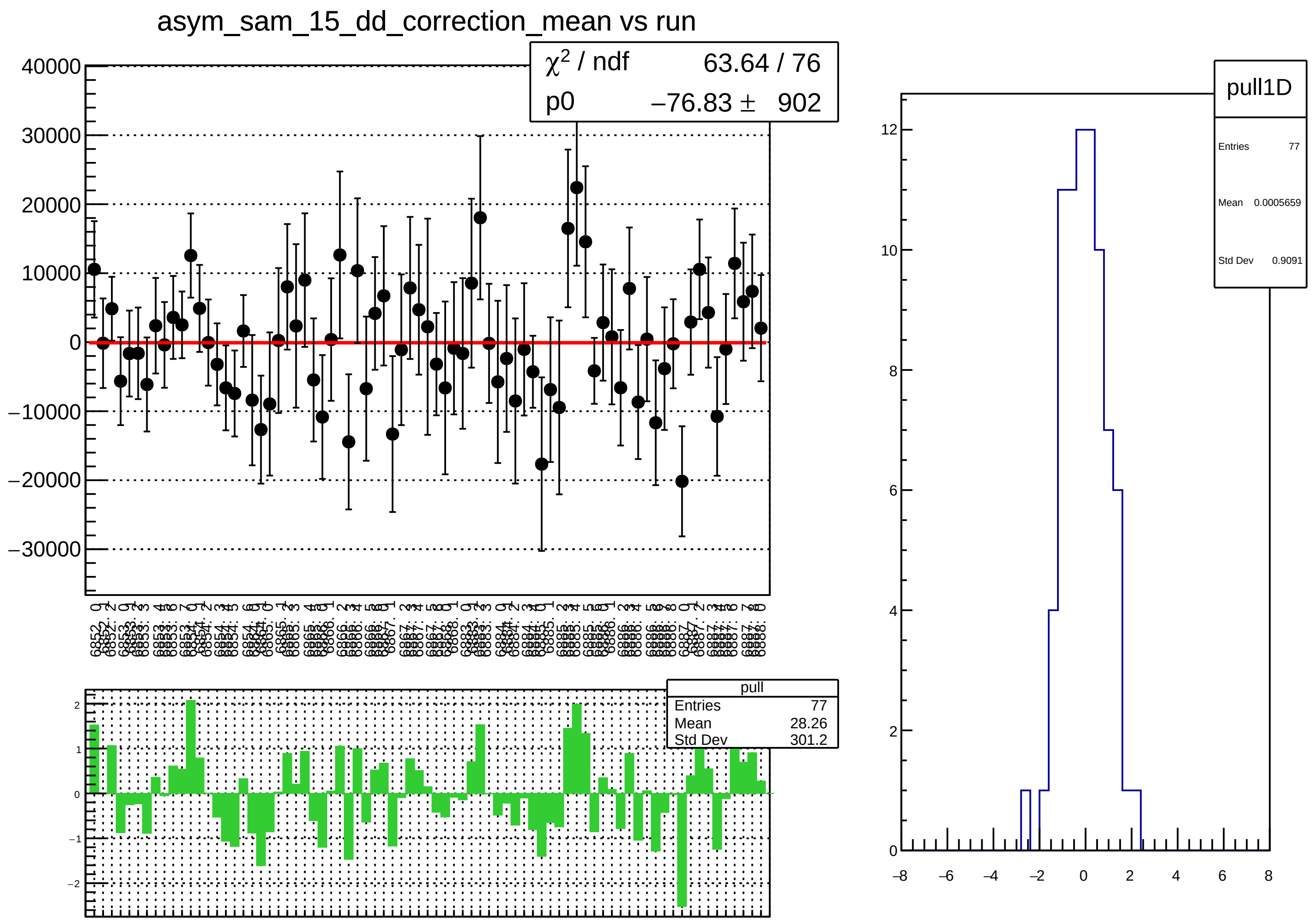

asym_sam_48_avg_rms vs run
χ2 / ndf 4.677e+04 / 76
p0 1360 ± 1.087
1800
1600
1400
1200
1000



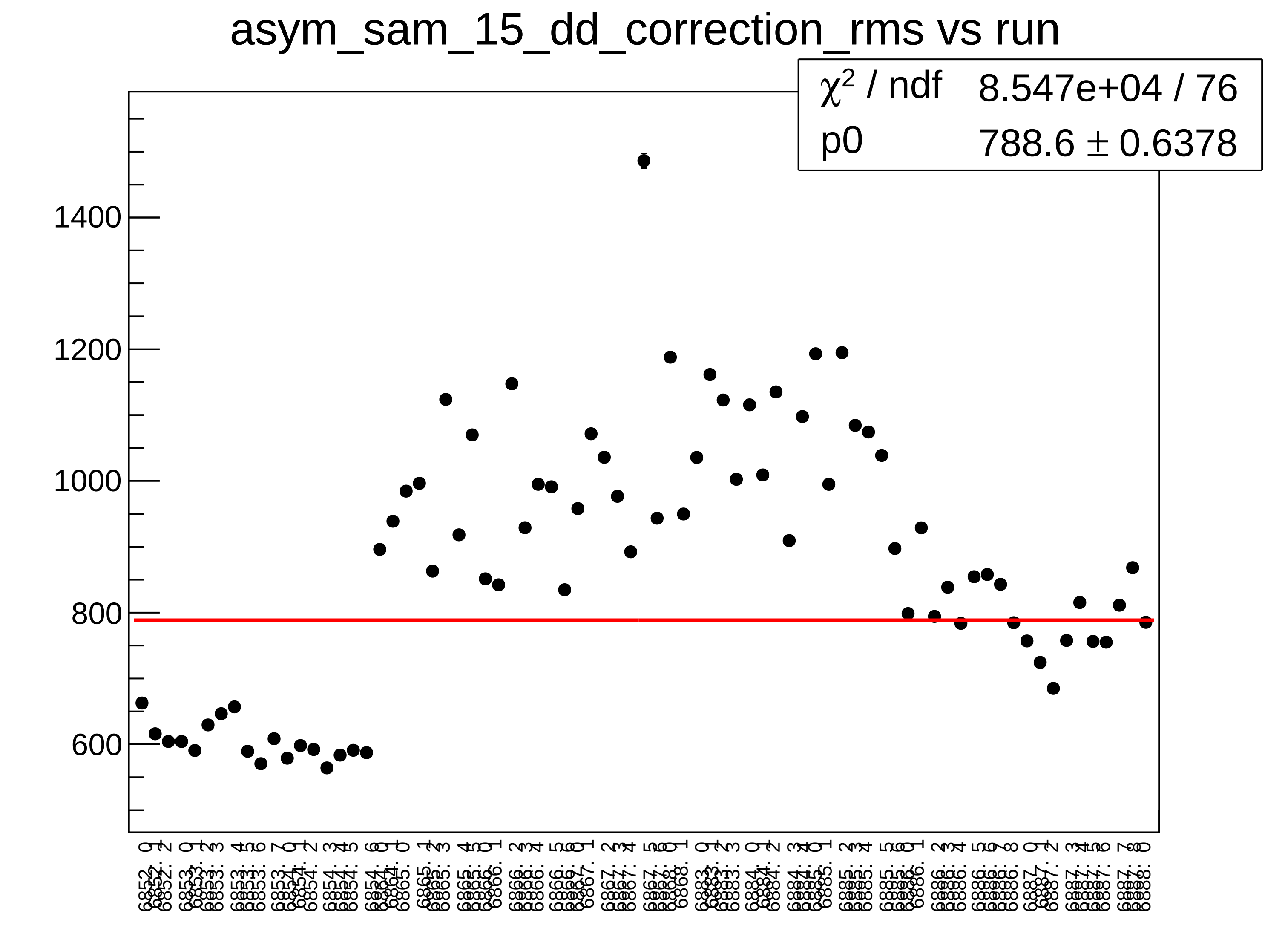
dit_asym_sam_15_dd_mean vs run
$\chi^2$ / ndf 48.69 / 76
p0 −224.3 ± 124.5
pull
Entries 77
Mean −1190
Std Dev 1219
pull1D
Entries 77
Mean −0.0006419
Std Dev 0.7952



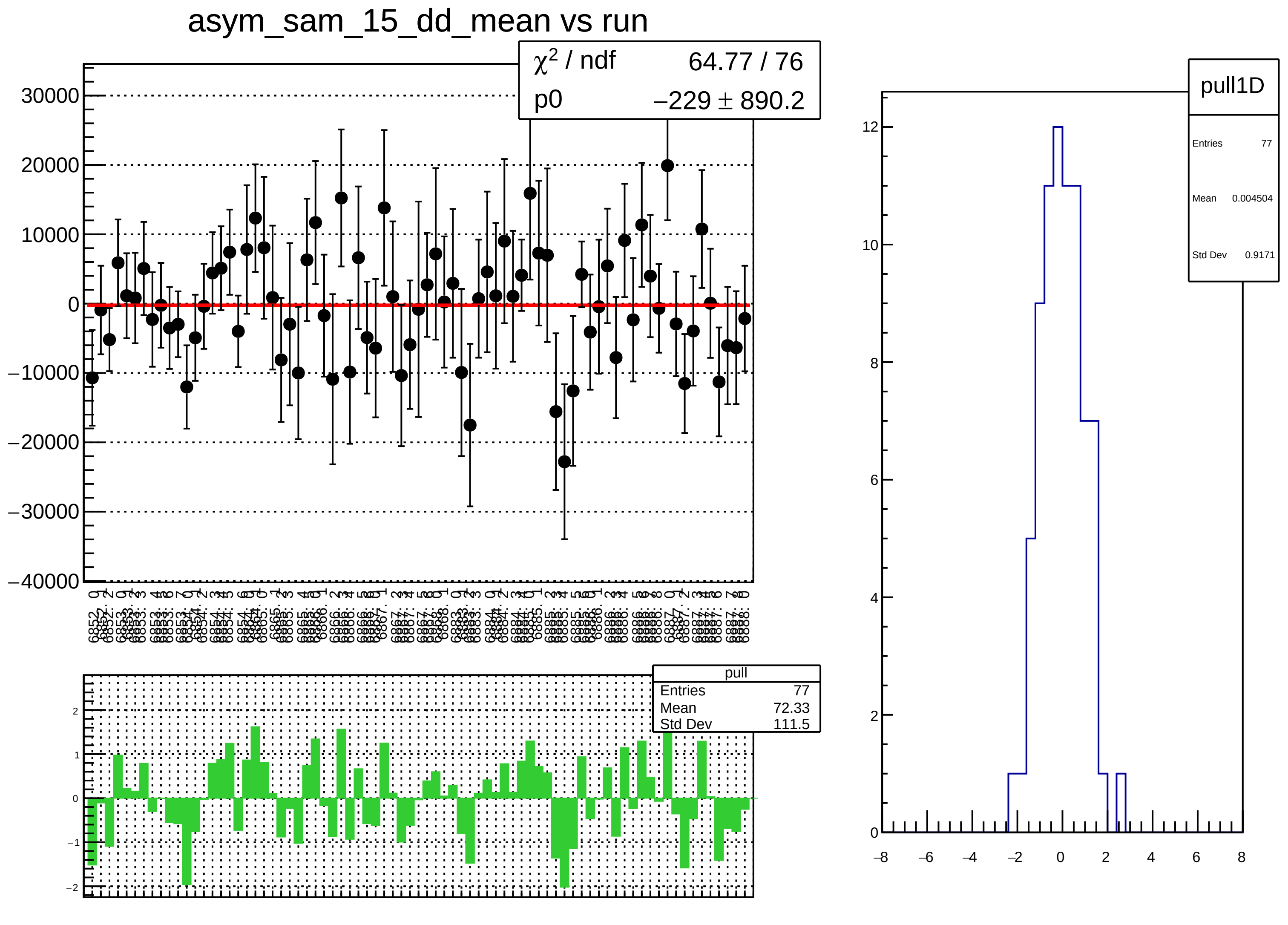
dit_asym_sam_15_dd_rms vs run
$\chi^2$ / ndf 4632 / 76
p0 111.6 ± 0.088
120
115
110
105
100



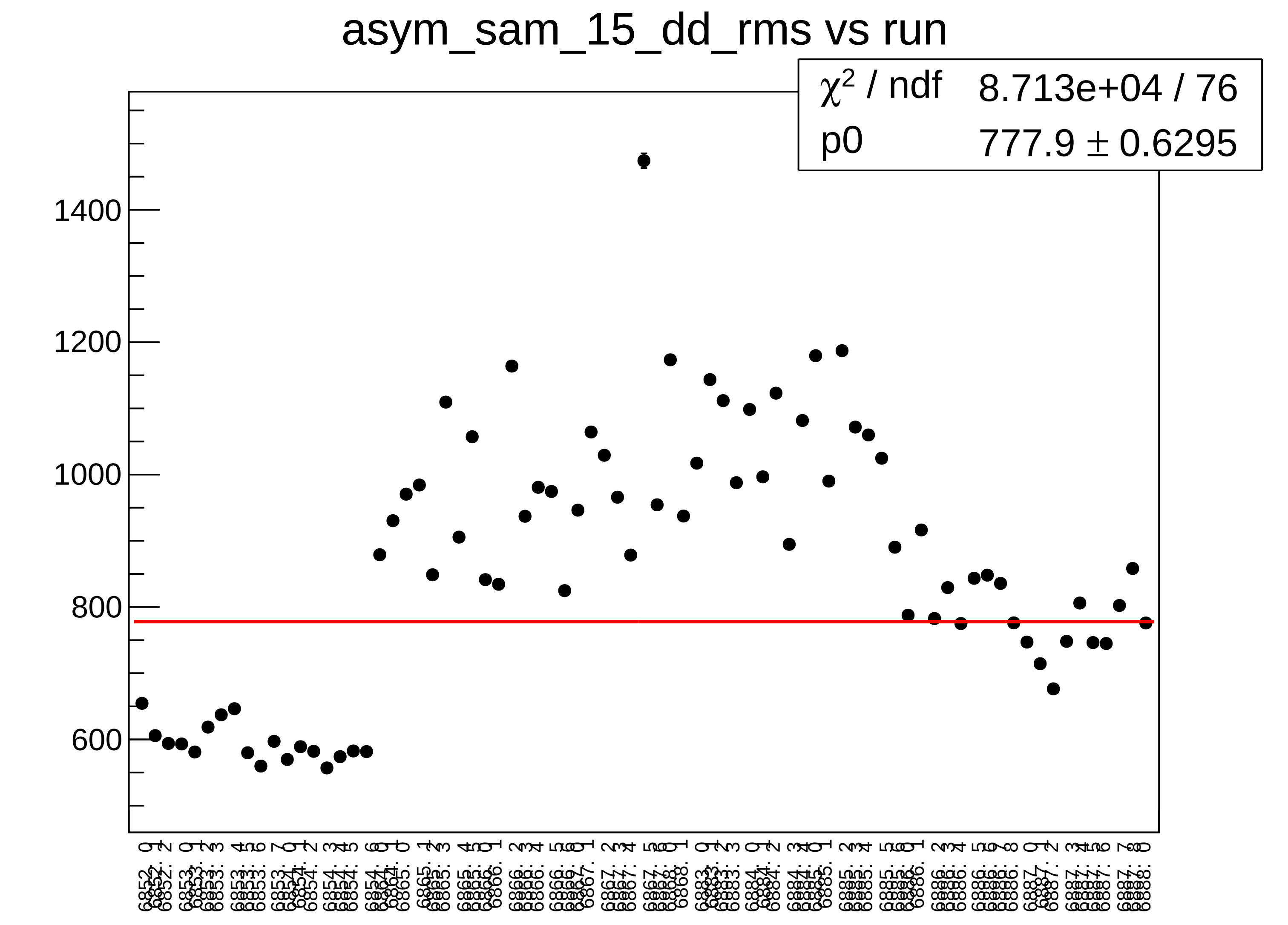
asym_sam_15_dd_correction_mean vs run
$\chi^2$ / ndf 63.64 / 76
p0 −76.83 ± 902
pull
Entries 77
Mean 28.26
Std Dev 301.2
pull1D
Entries 77
Mean 0.0005659
Std Dev 0.9091



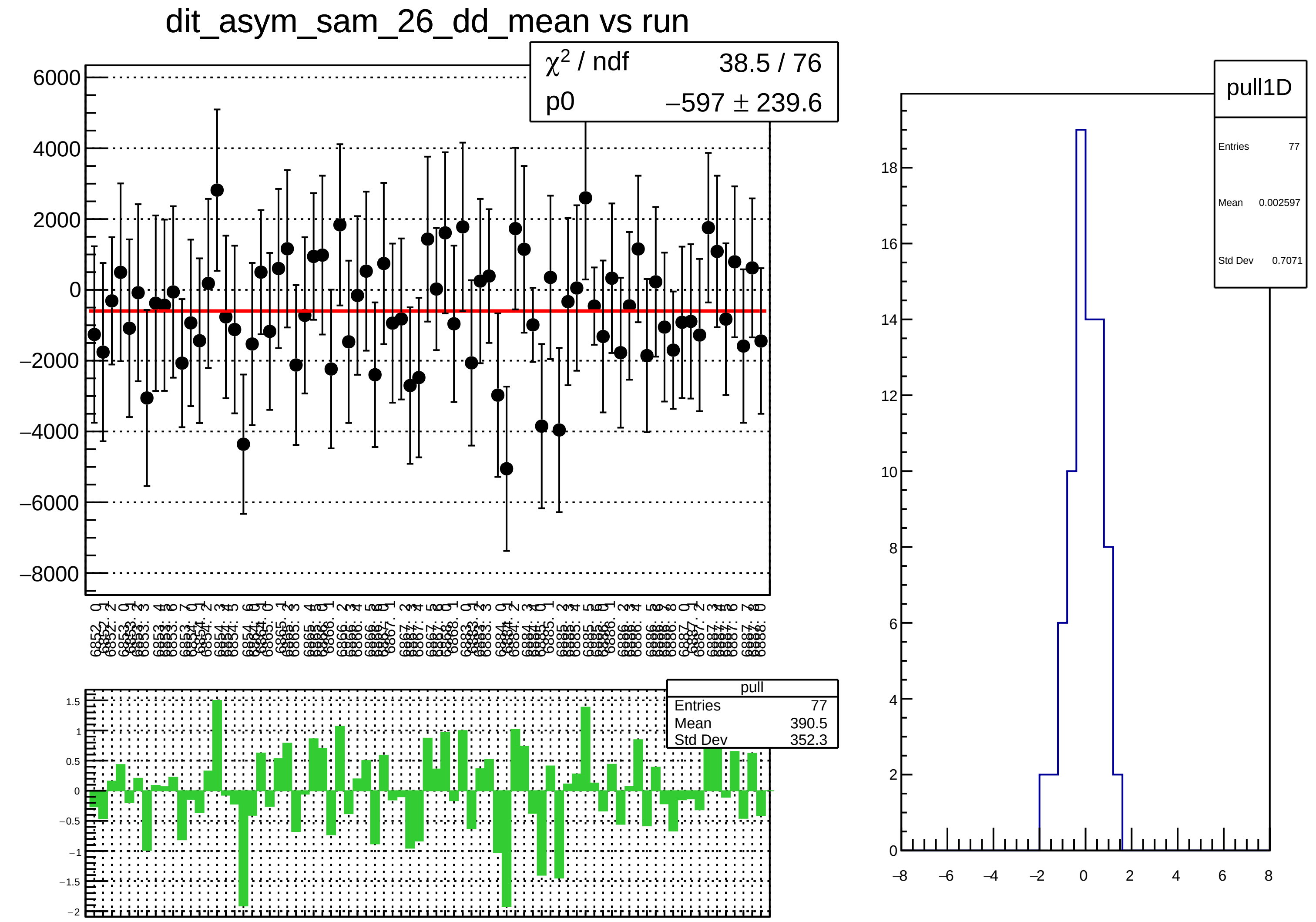
asym_sam_15_dd_correction_rms vs run
$\chi^2$ / ndf 8.547e+04 / 76
p0 788.6 ± 0.6378
1400
1200
1000
800
600



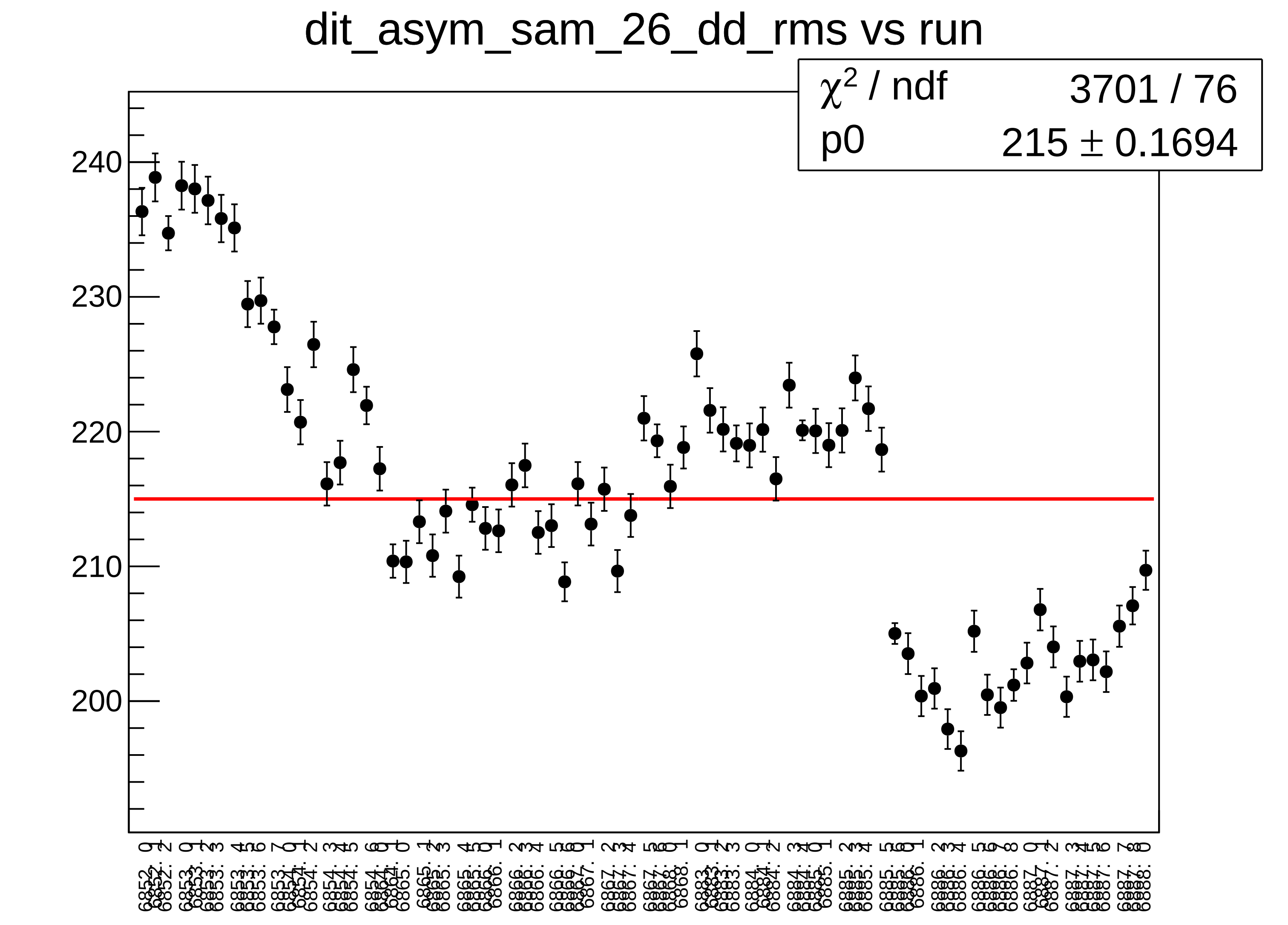
asym_sam_15_dd_mean vs run
$\chi^2$ / ndf 64.77 / 76
p0 −229 ± 890.2
pull
Entries 77
Mean 72.33
Std Dev 111.5
pull1D
Entries 77
Mean 0.004504
Std Dev 0.9171



asym_sam_15_dd_rms vs run
$\chi^2$ / ndf 8.713e+04 / 76
p0 777.9 ± 0.6295
1400
1200
1000
800
600

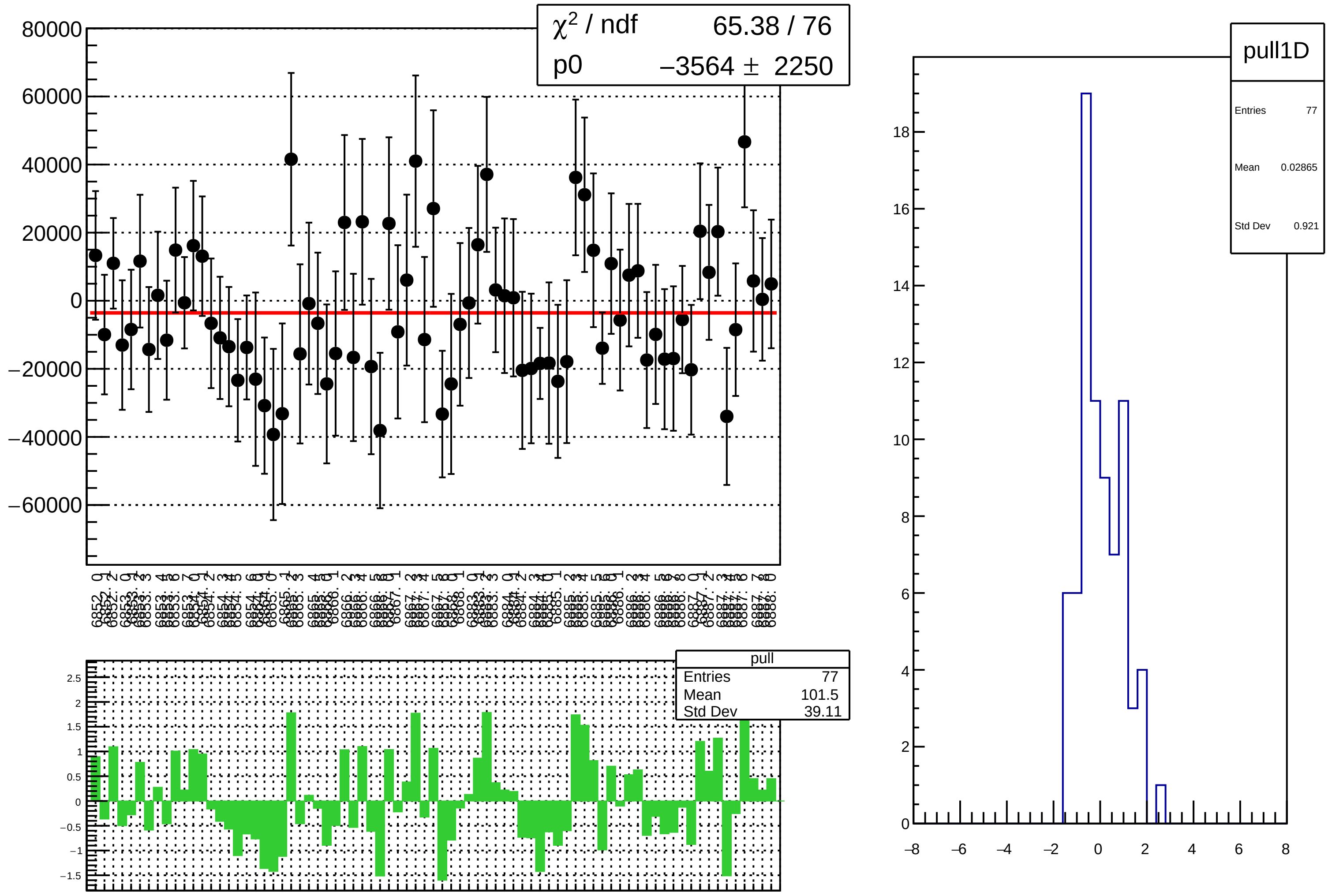


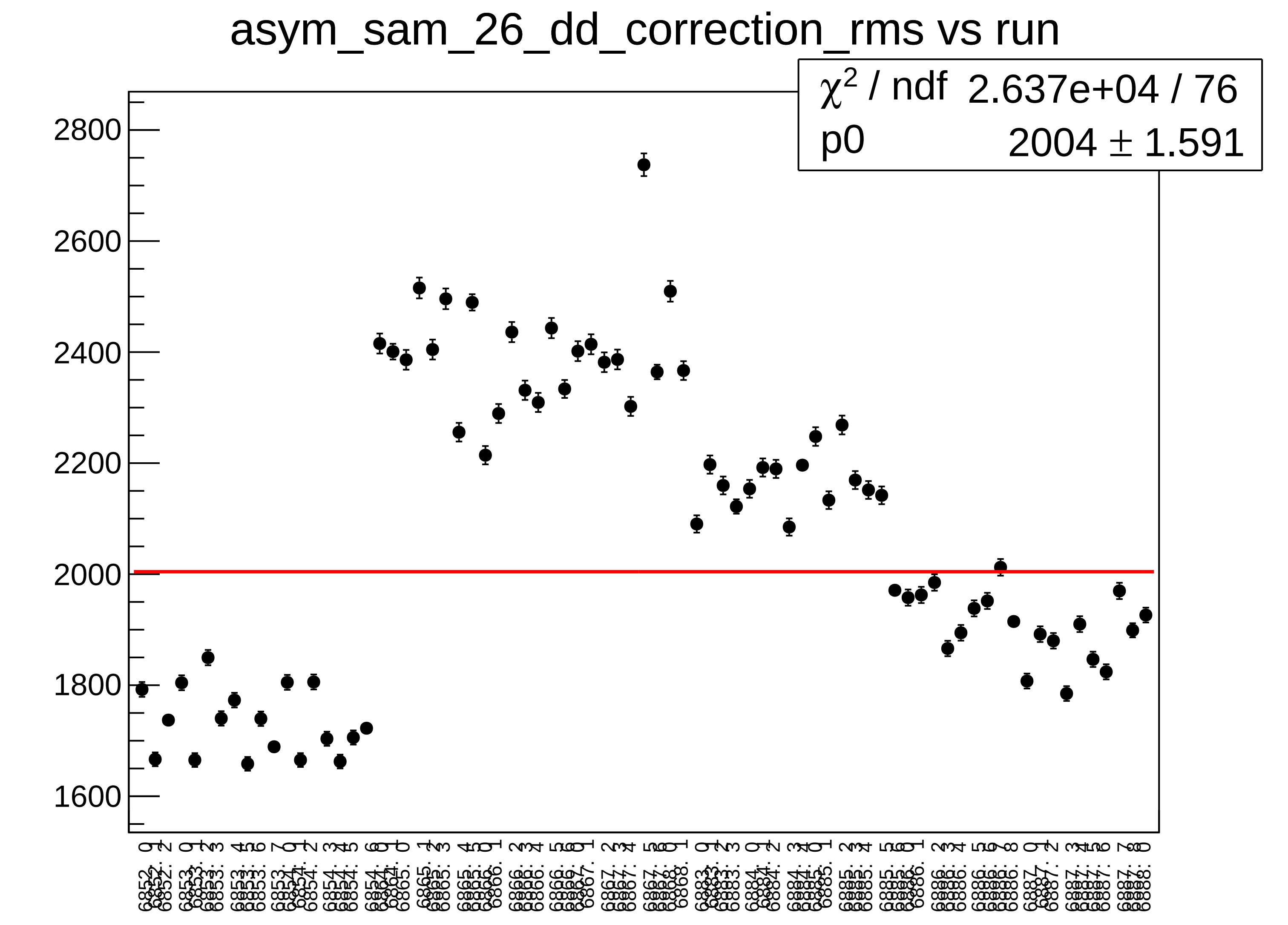
dit_asym_sam_26_dd_mean vs run
$\chi^2$ / ndf 38.5 / 76
p0 −597 ± 239.6
pull
Entries 77
Mean 390.5
Std Dev 352.3
pull1D
Entries 77
Mean 0.002597
Std Dev 0.7071

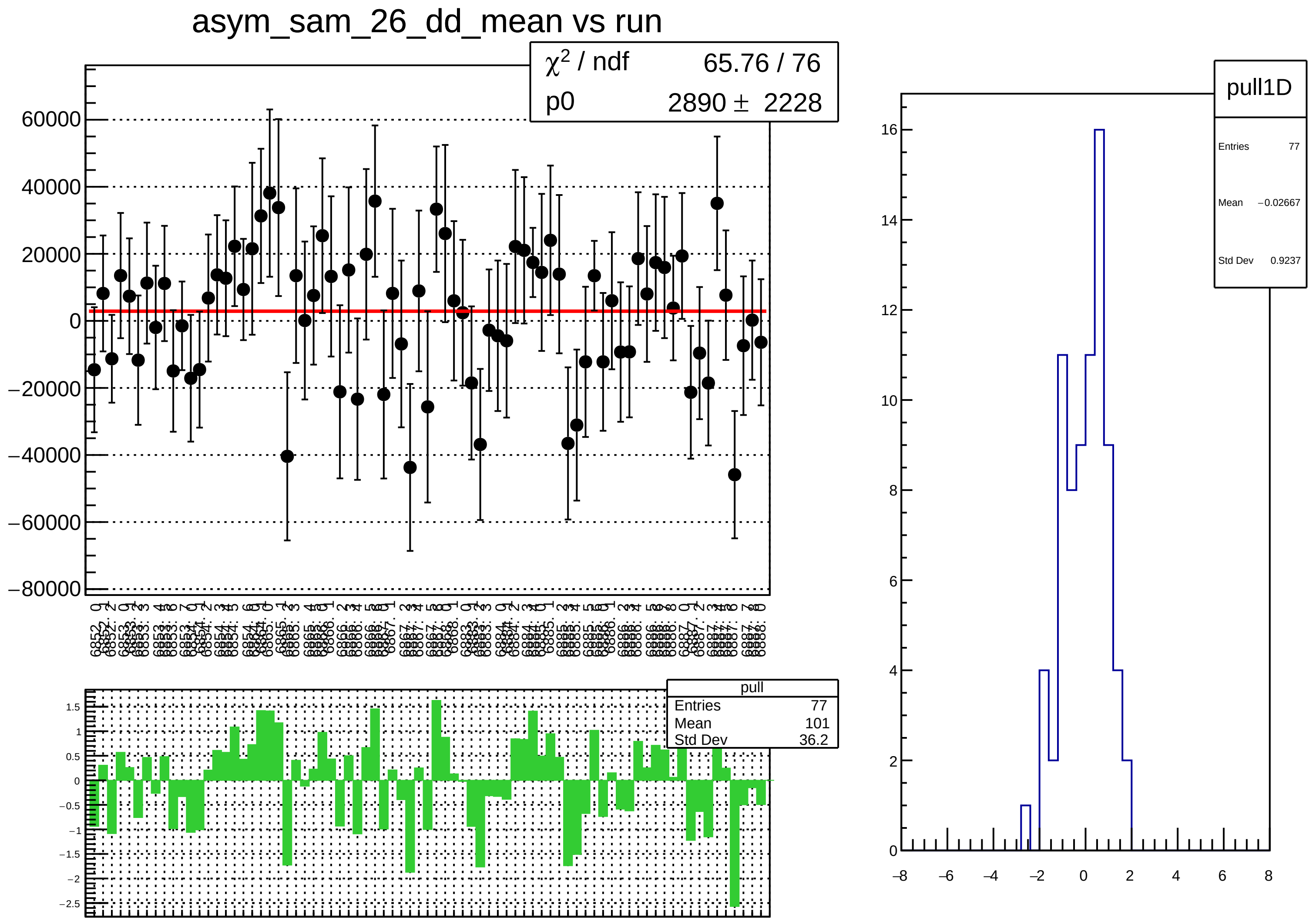


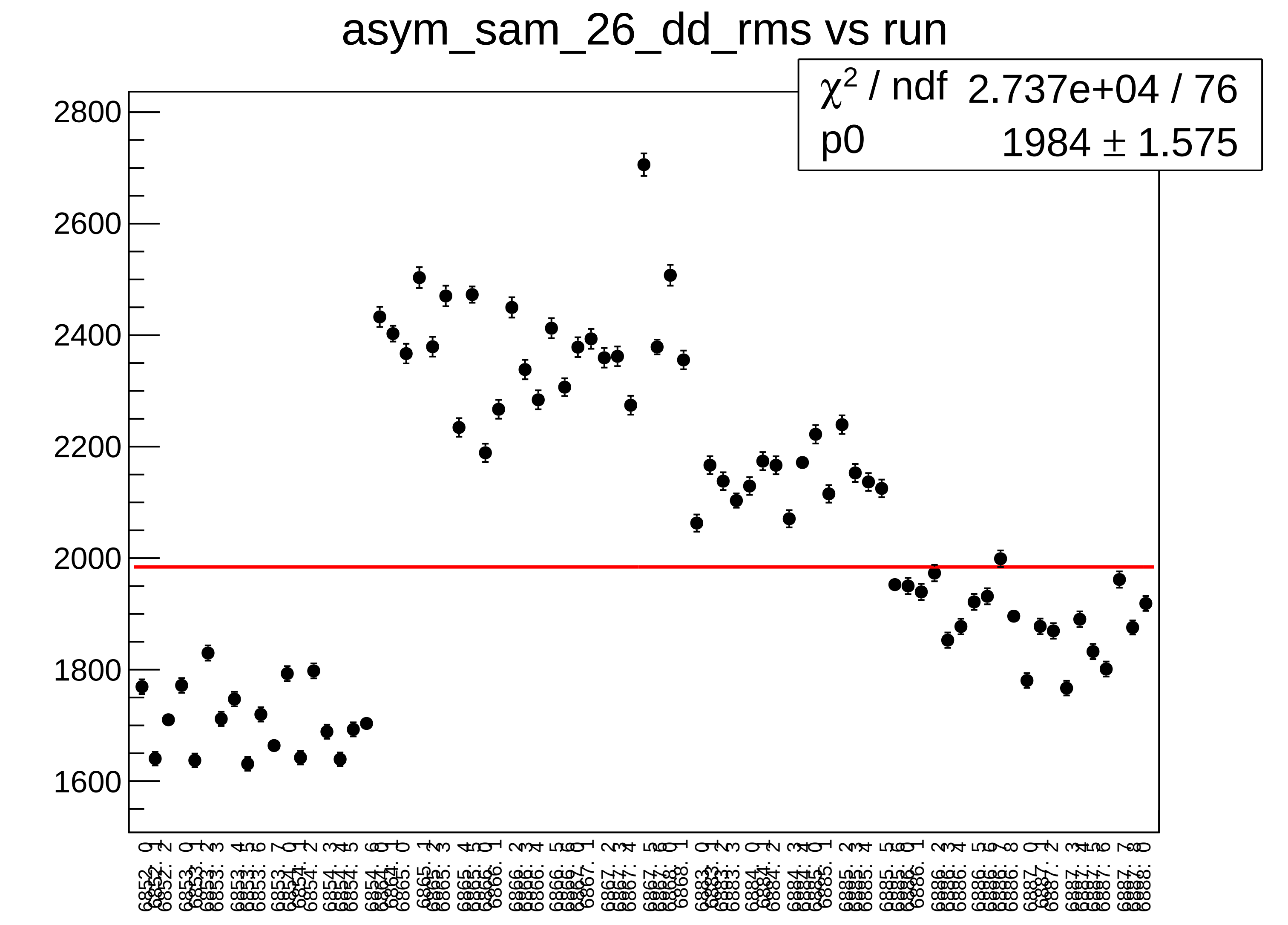
dit_asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 3701 / 76
p0 215 ± 0.1694
240
230
220
210
200

asym_sam_26_dd_correction_mean vs run

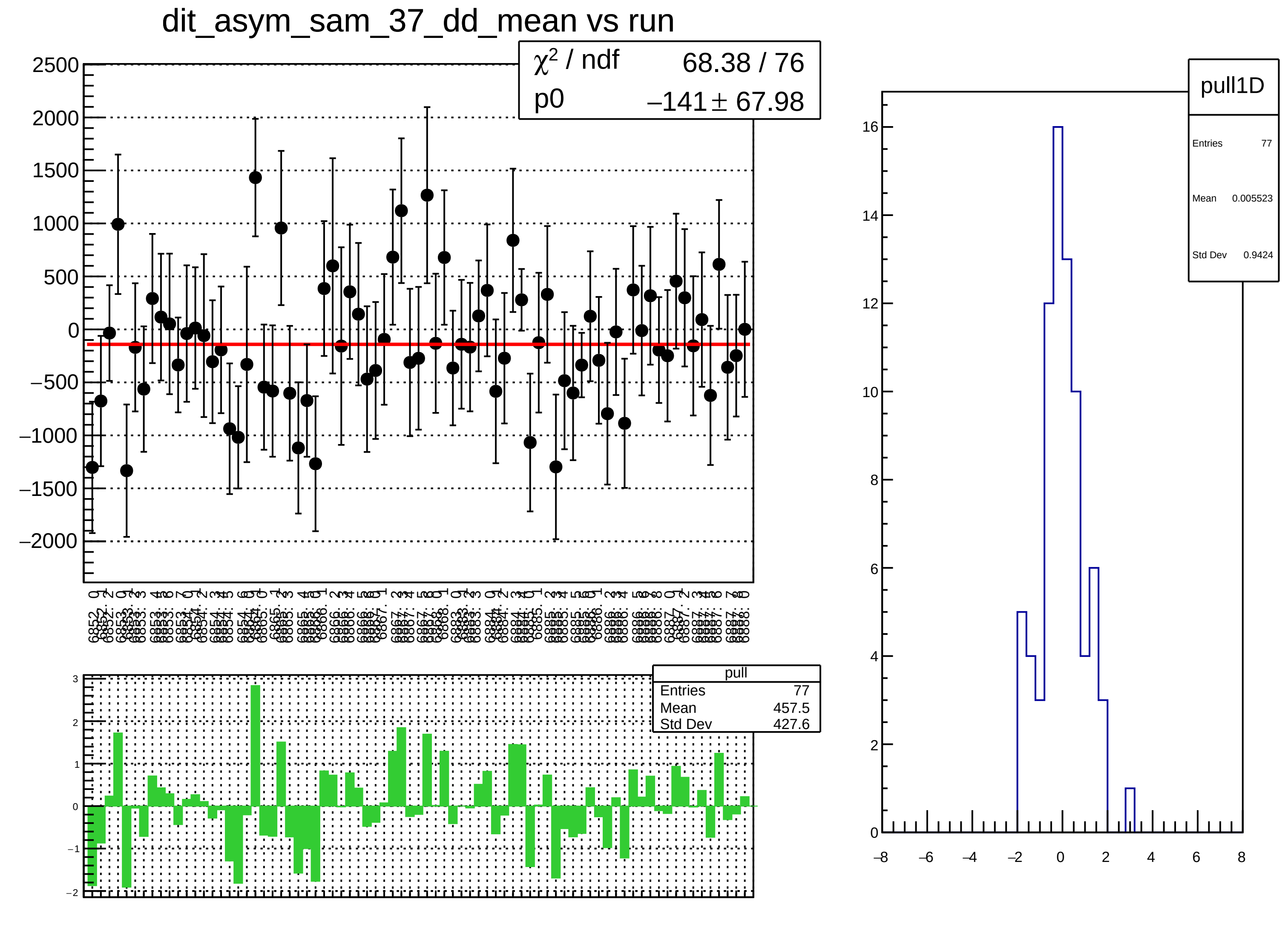


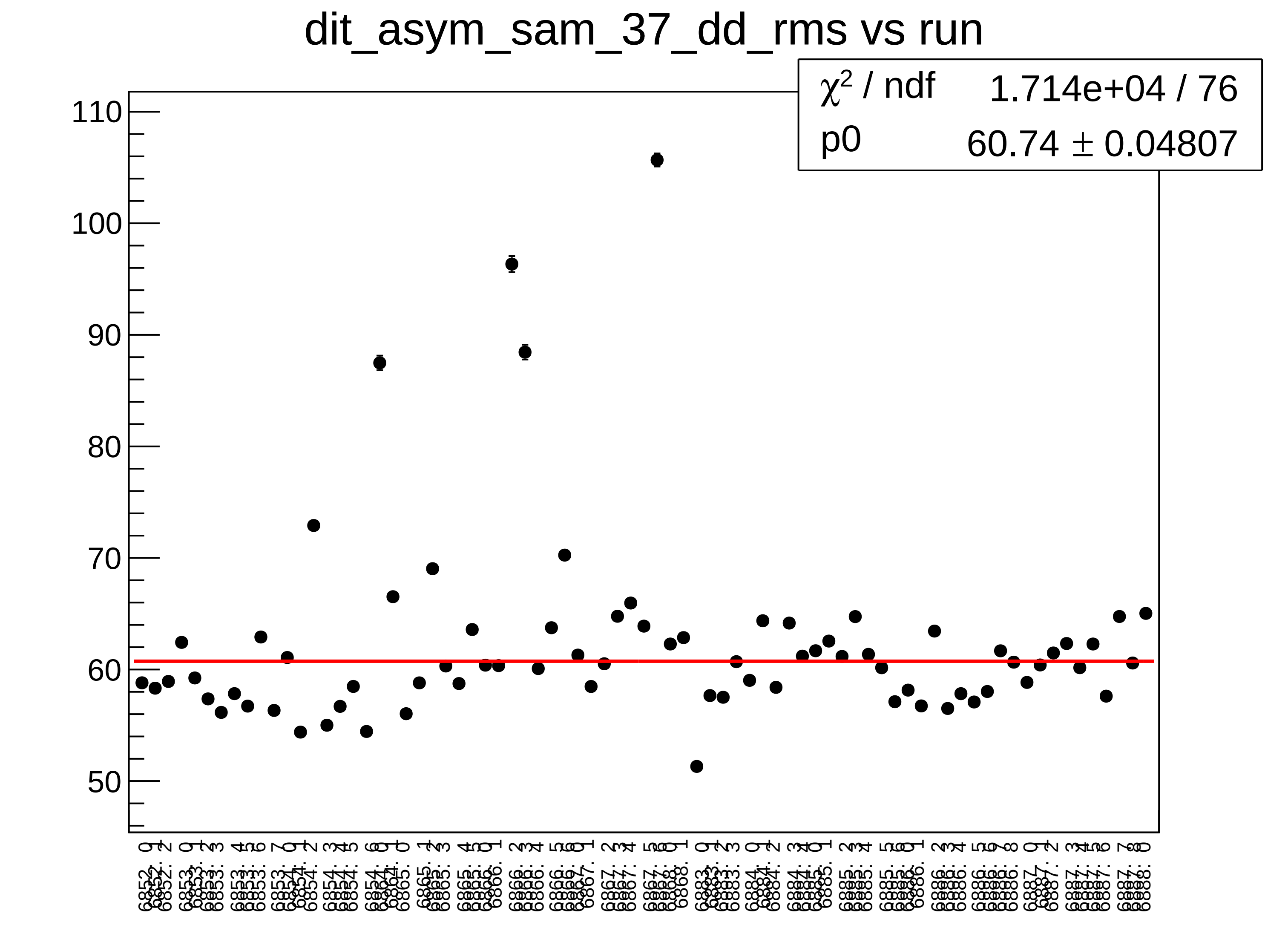

asym_sam_26_dd_correction_rms vs run
$\chi^2$ / ndf 2.637e+04 / 76
p0 2004 ± 1.591
2800
2600
2400
2200
2000
1800
1600


asym_sam_26_dd_mean vs run
$\chi^2$ / ndf 65.76 / 76
p0 2890 ± 2228
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 77
Mean 101
Std Dev 36.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 77
Mean −0.02667
Std Dev 0.9237
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

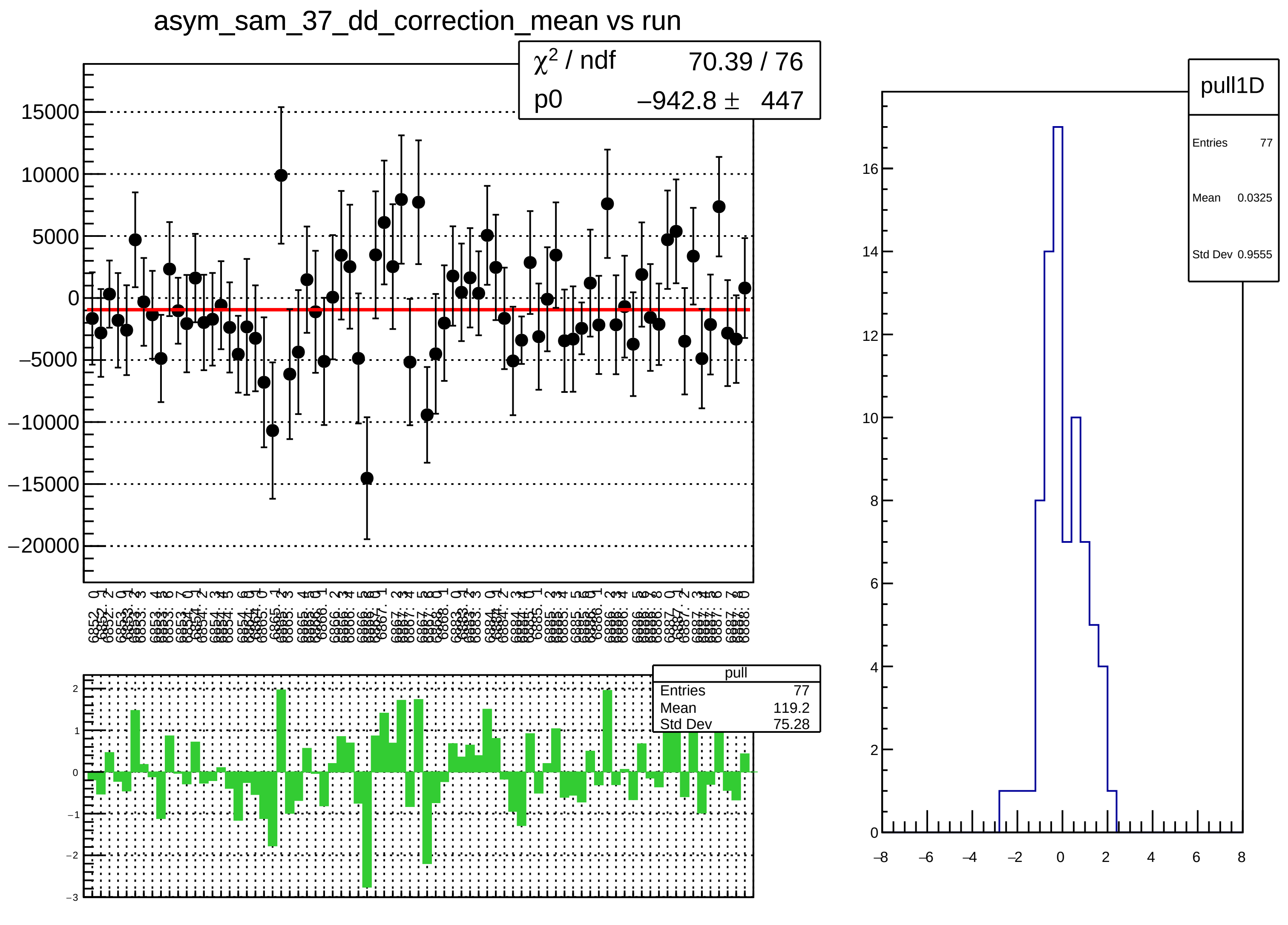


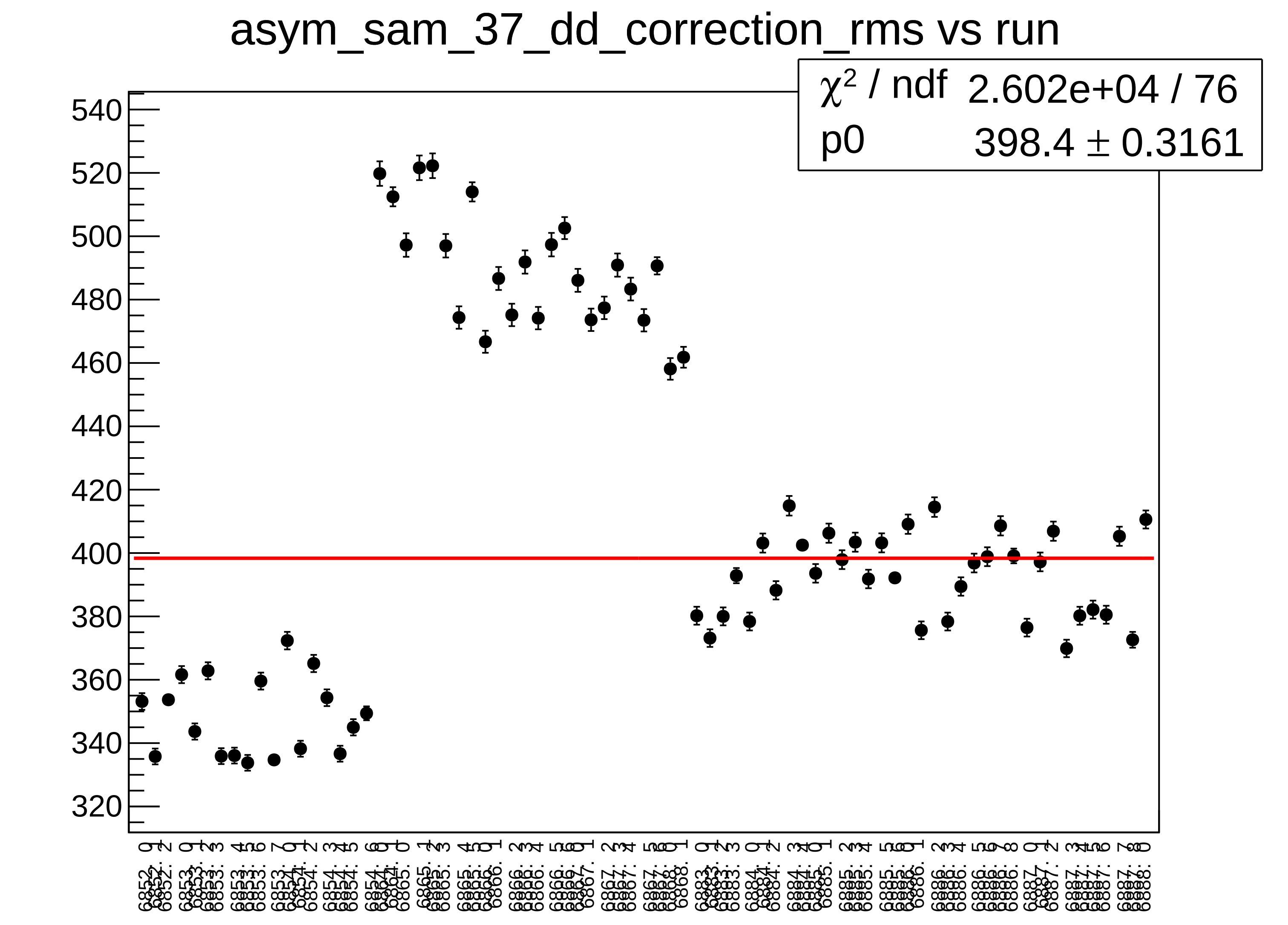
asym_sam_26_dd_rms vs run
χ2 / ndf 2.737e+04 / 76
p0 1984 ± 1.575
2800
2600
2400
2200
2000
1800
1600

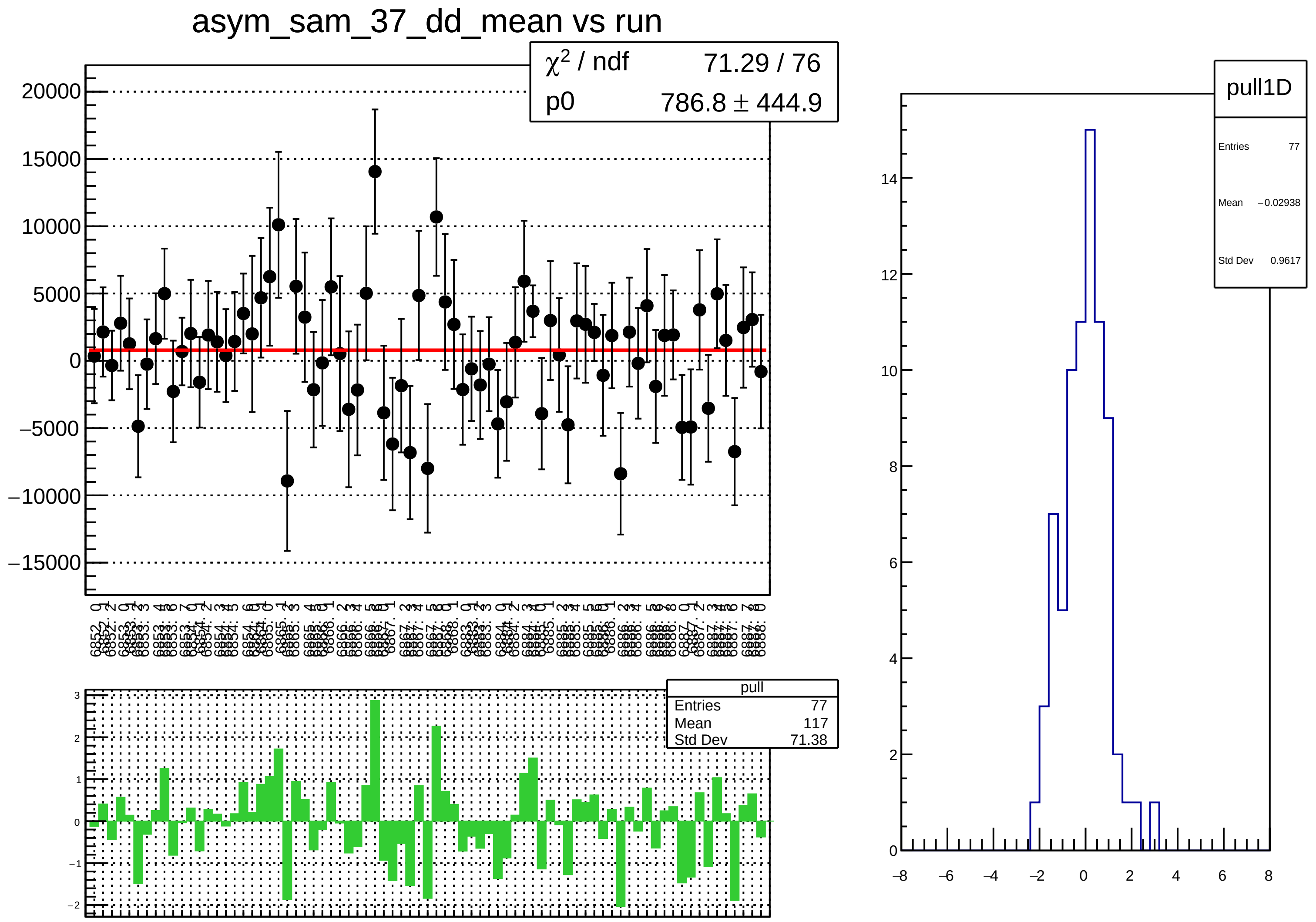

dit_asym_sam_37_dd_mean vs run
χ2 / ndf 68.38 / 76
p0 −141 ± 67.98
pull
Entries 77
Mean 457.5
Std Dev 427.6
pull1D
Entries 77
Mean 0.005523
Std Dev 0.9424



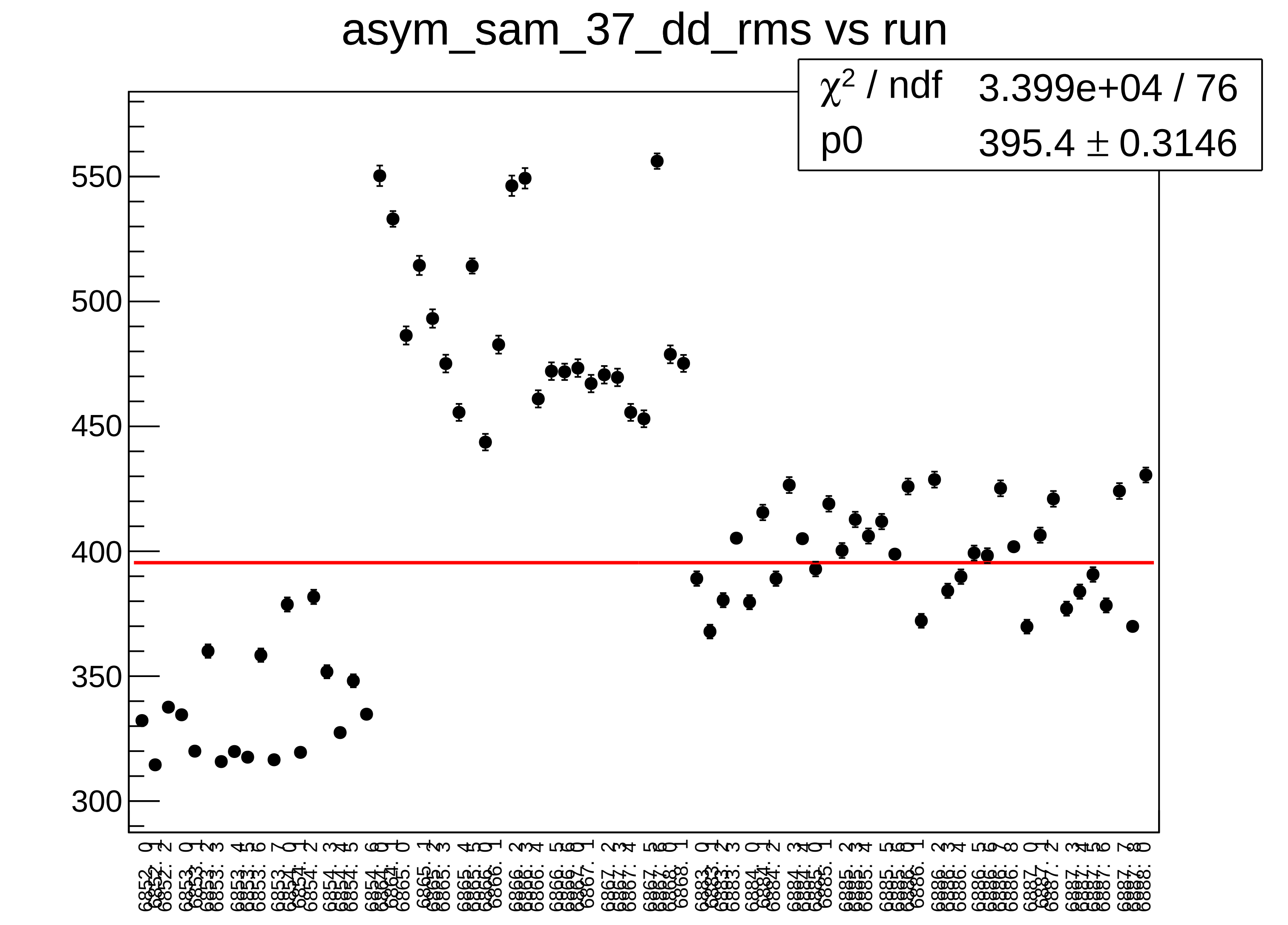
dit_asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 1.714e+04 / 76
p0 60.74 ± 0.04807
110
100
90
80
70
60
50


asym_sam_37_dd_correction_mean vs run
$\chi^2$ / ndf 70.39 / 76
p0 −942.8 ± 447
pull
Entries 77
Mean 119.2
Std Dev 75.28
pull1D
Entries 77
Mean 0.0325
Std Dev 0.9555

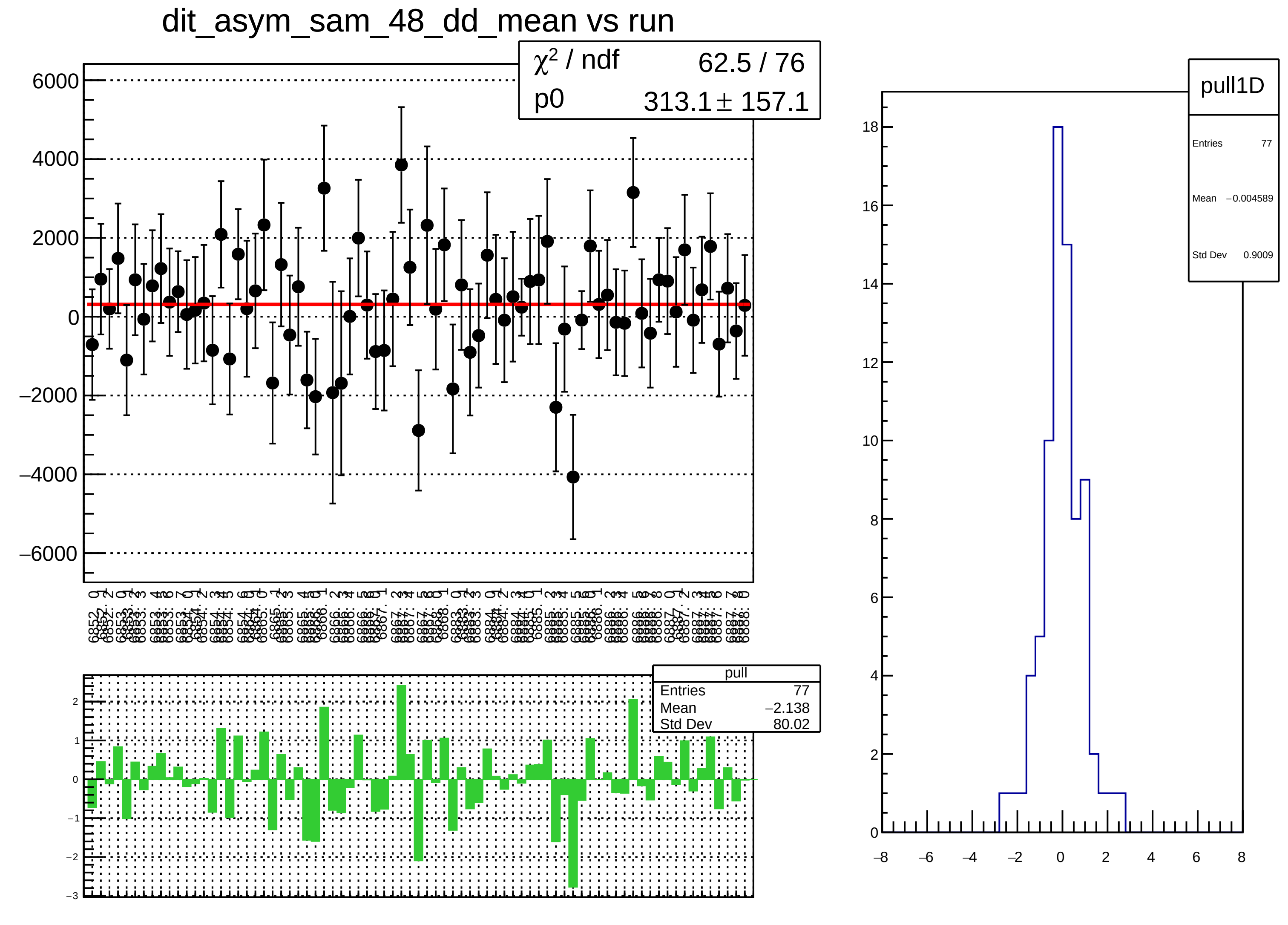

asym_sam_37_dd_correction_rms vs run
χ2 / ndf 2.602e+04 / 76
p0 398.4 ± 0.3161
540
520
500
480
460
440
420
400
380
360
340
320



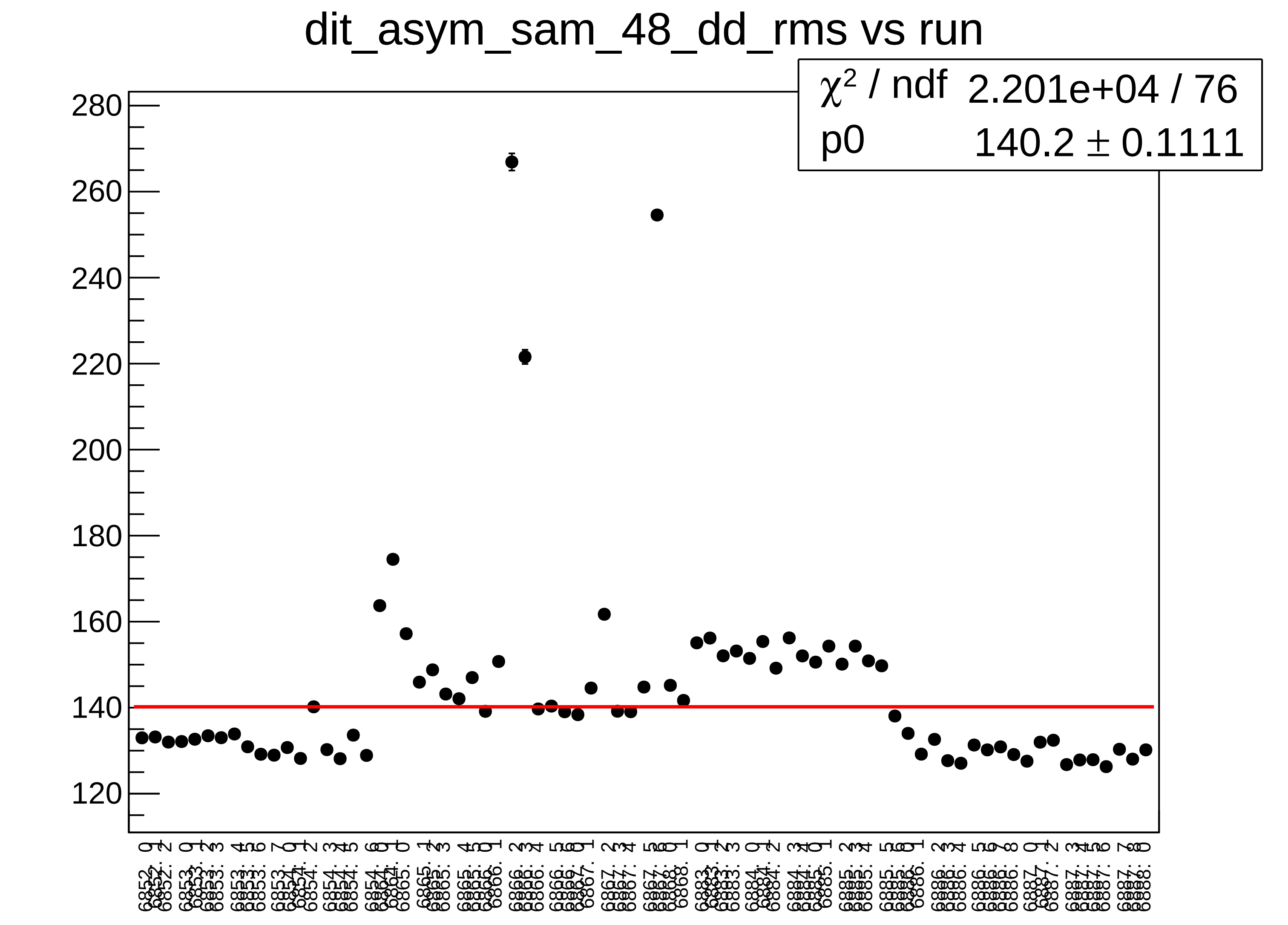
asym_sam_37_dd_mean vs run
$\chi^2$ / ndf 71.29 / 76
p0 786.8 ± 444.9
pull
Entries 77
Mean 117
Std Dev 71.38
pull1D
Entries 77
Mean −0.02938
Std Dev 0.9617



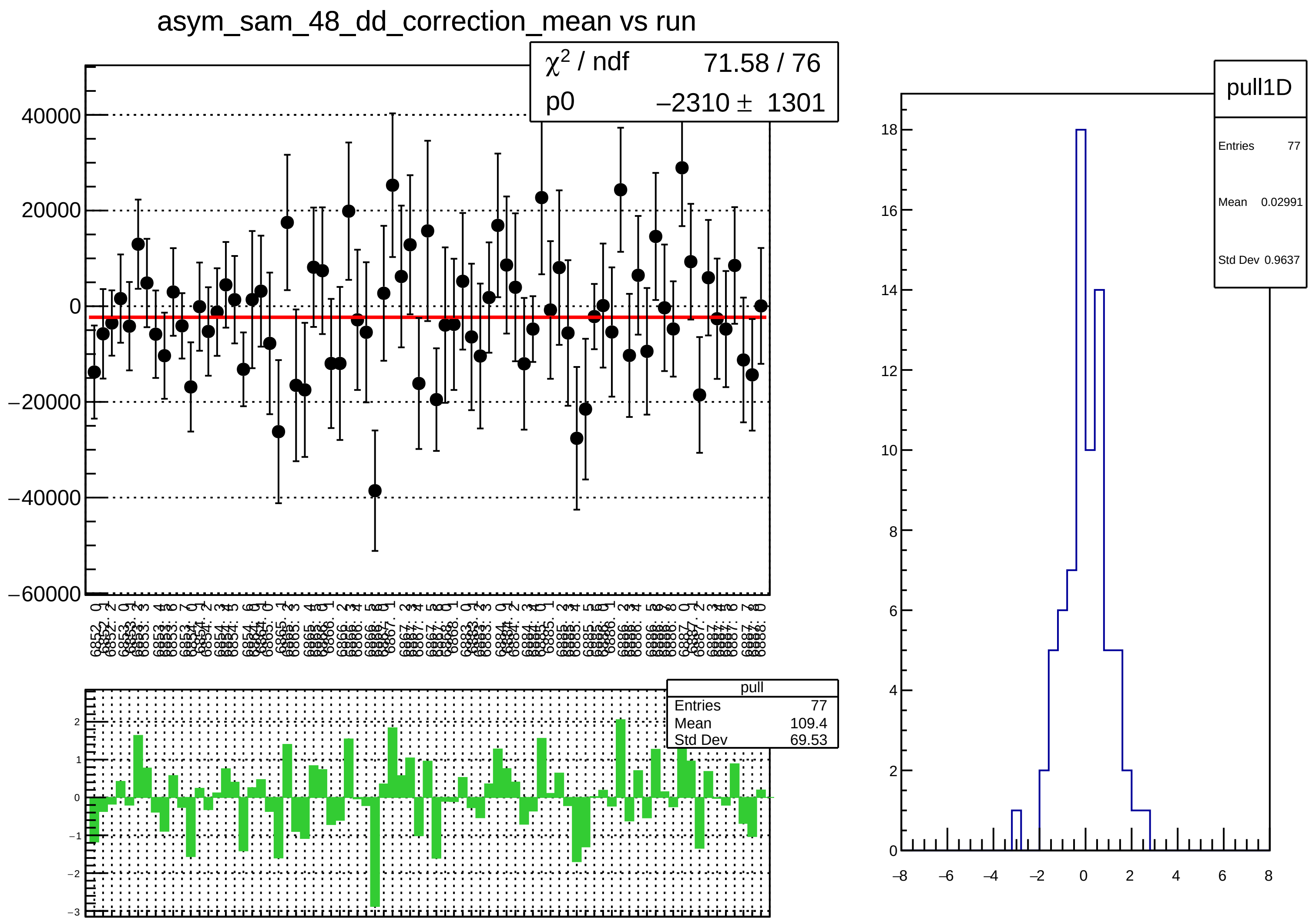
asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 3.399e+04 / 76
p0 395.4 ± 0.3146
550
500
450
400
350
300



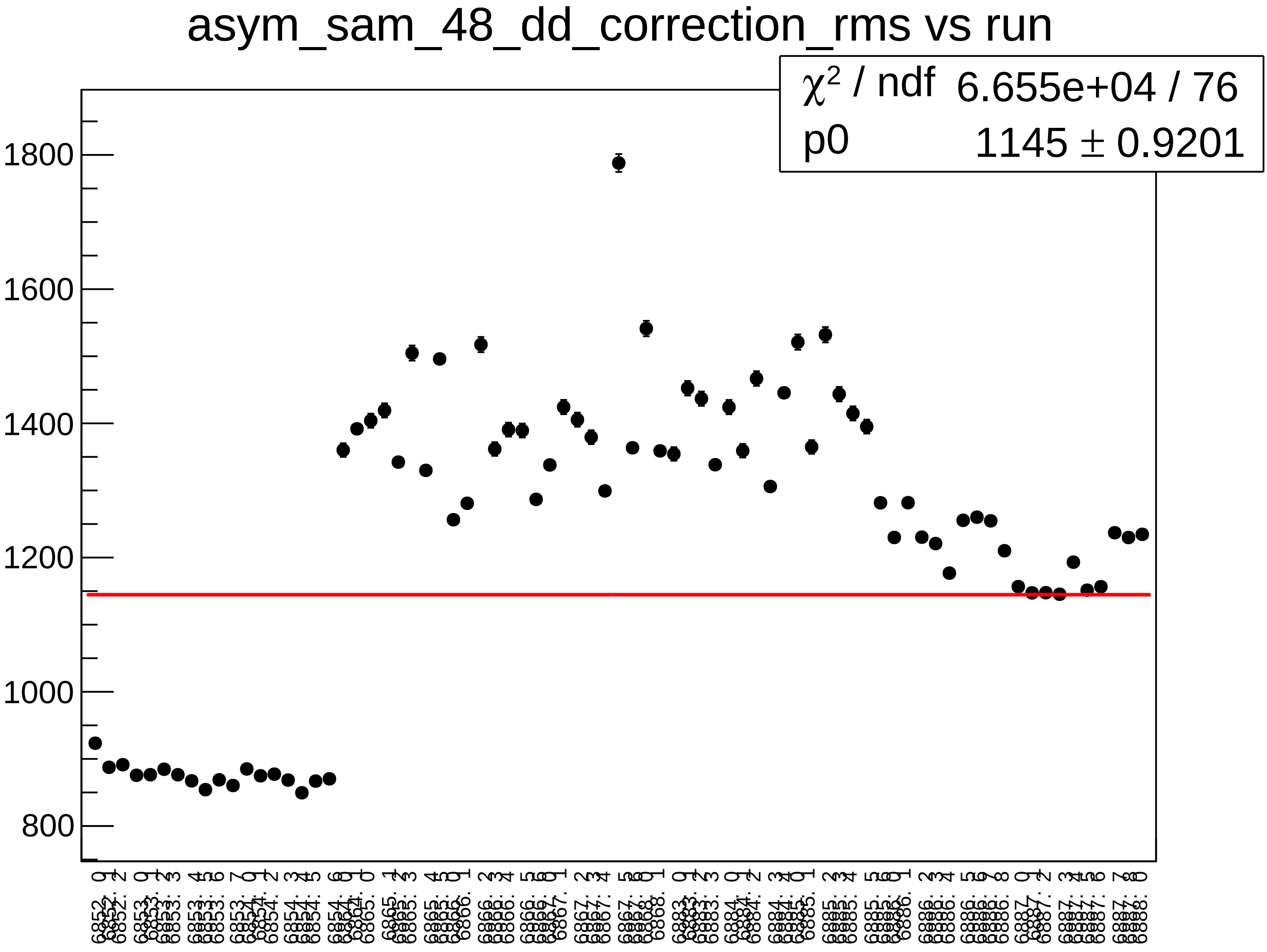
dit_asym_sam_48_dd_mean vs run
χ2 / ndf 62.5 / 76
p0 313.1 ± 157.1
pull
Entries 77
Mean −2.138
Std Dev 80.02
pull1D
Entries 77
Mean −0.004589
Std Dev 0.9009



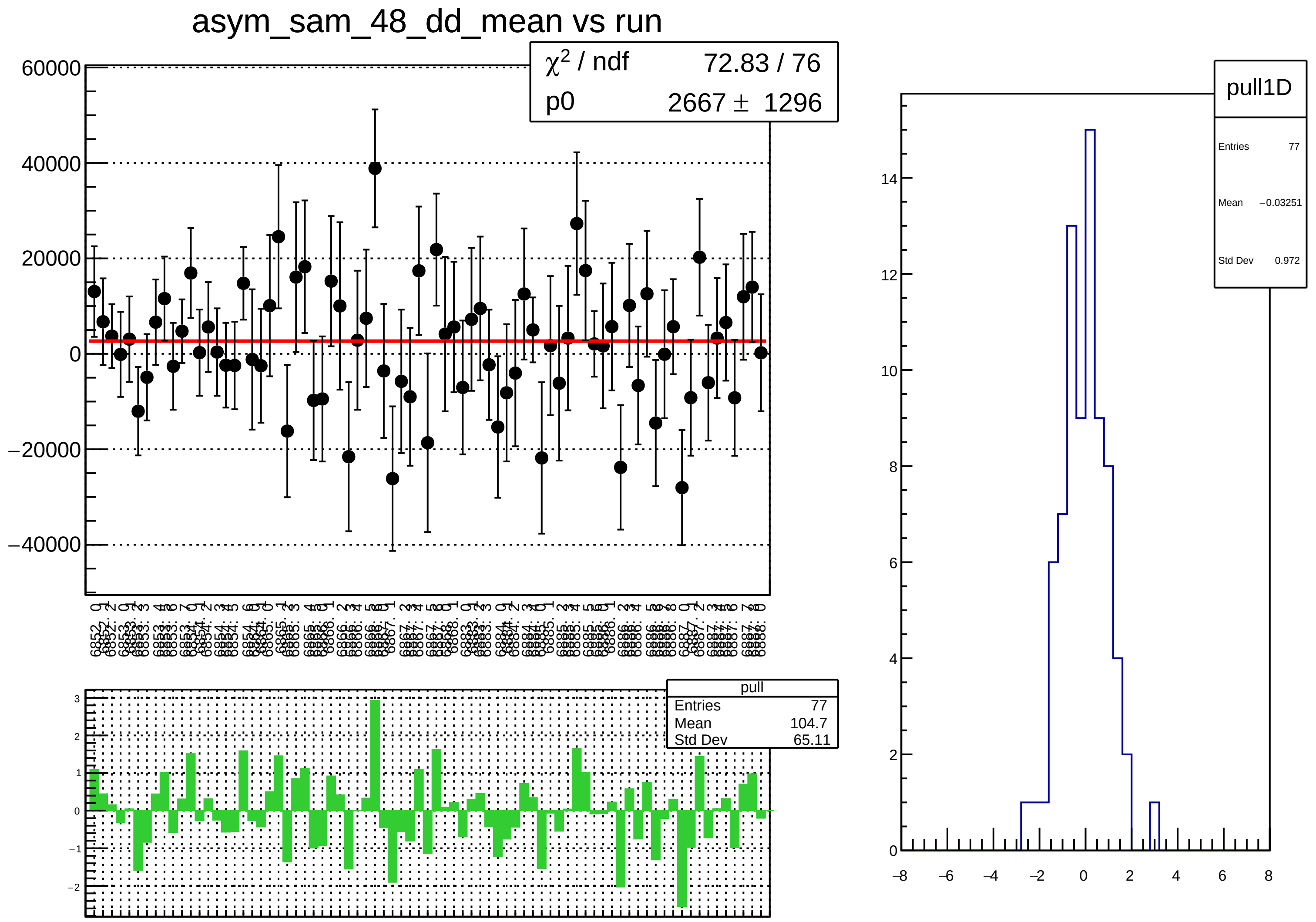
dit_asym_sam_48_dd_rms vs run
χ2 / ndf 2.201e+04 / 76
p0 140.2 ± 0.1111
280
260
240
220
200
180
160
140
120



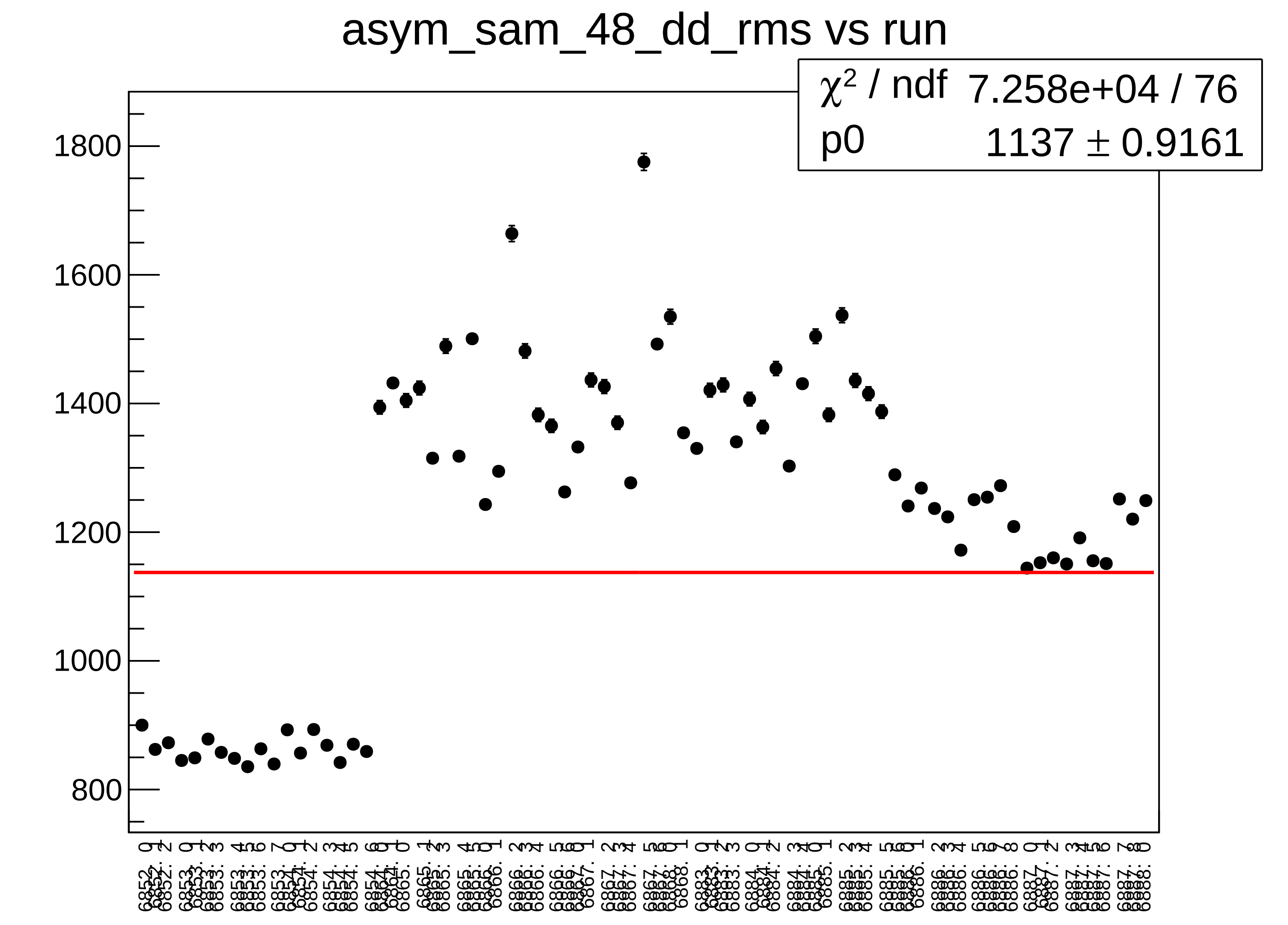
asym_sam_48_dd_correction_mean vs run
$\chi^2$ / ndf 71.58 / 76
p0 −2310 ± 1301
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 109.4
Std Dev 69.53
pull1D
Entries 77
Mean 0.02991
Std Dev 0.9637

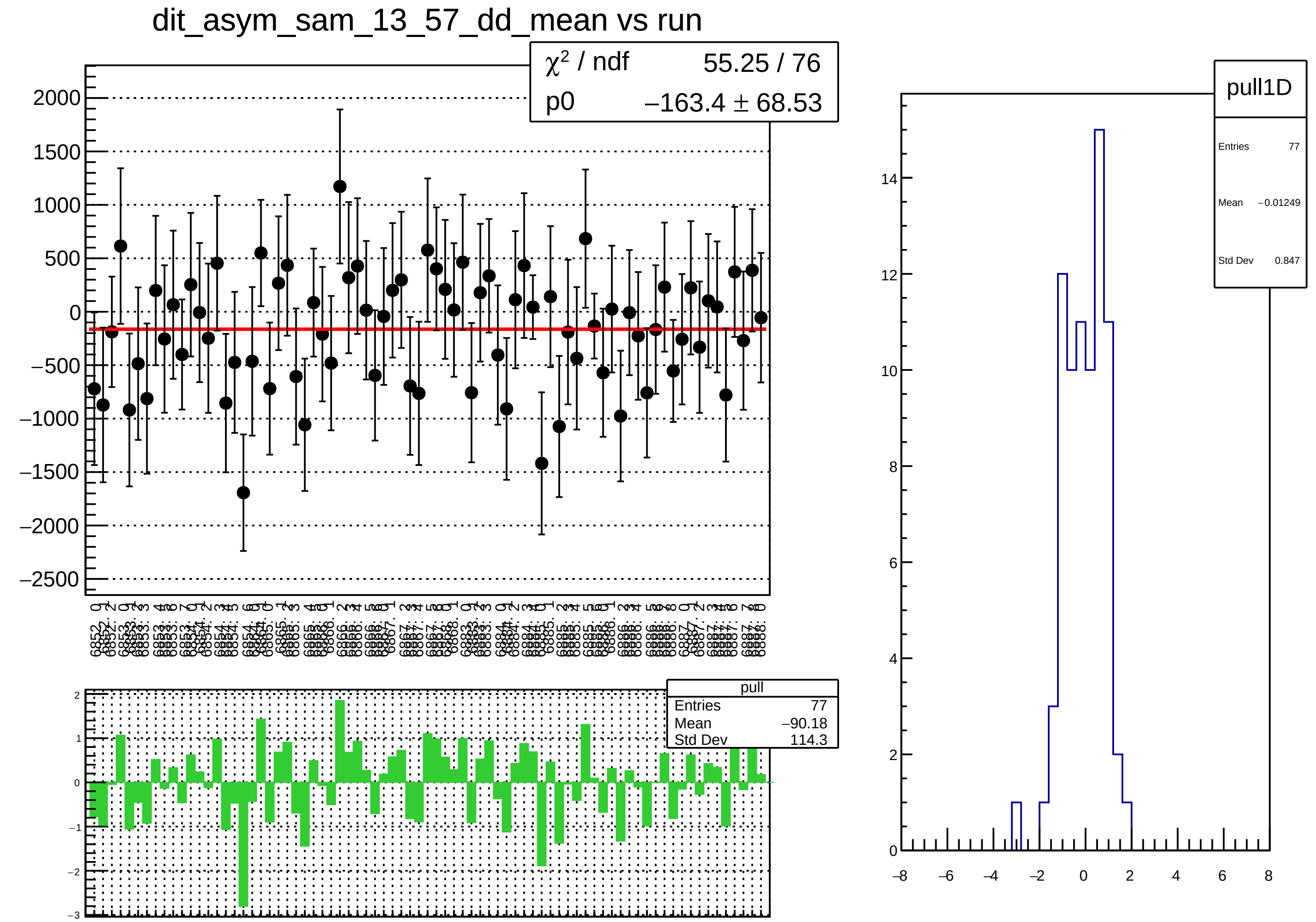


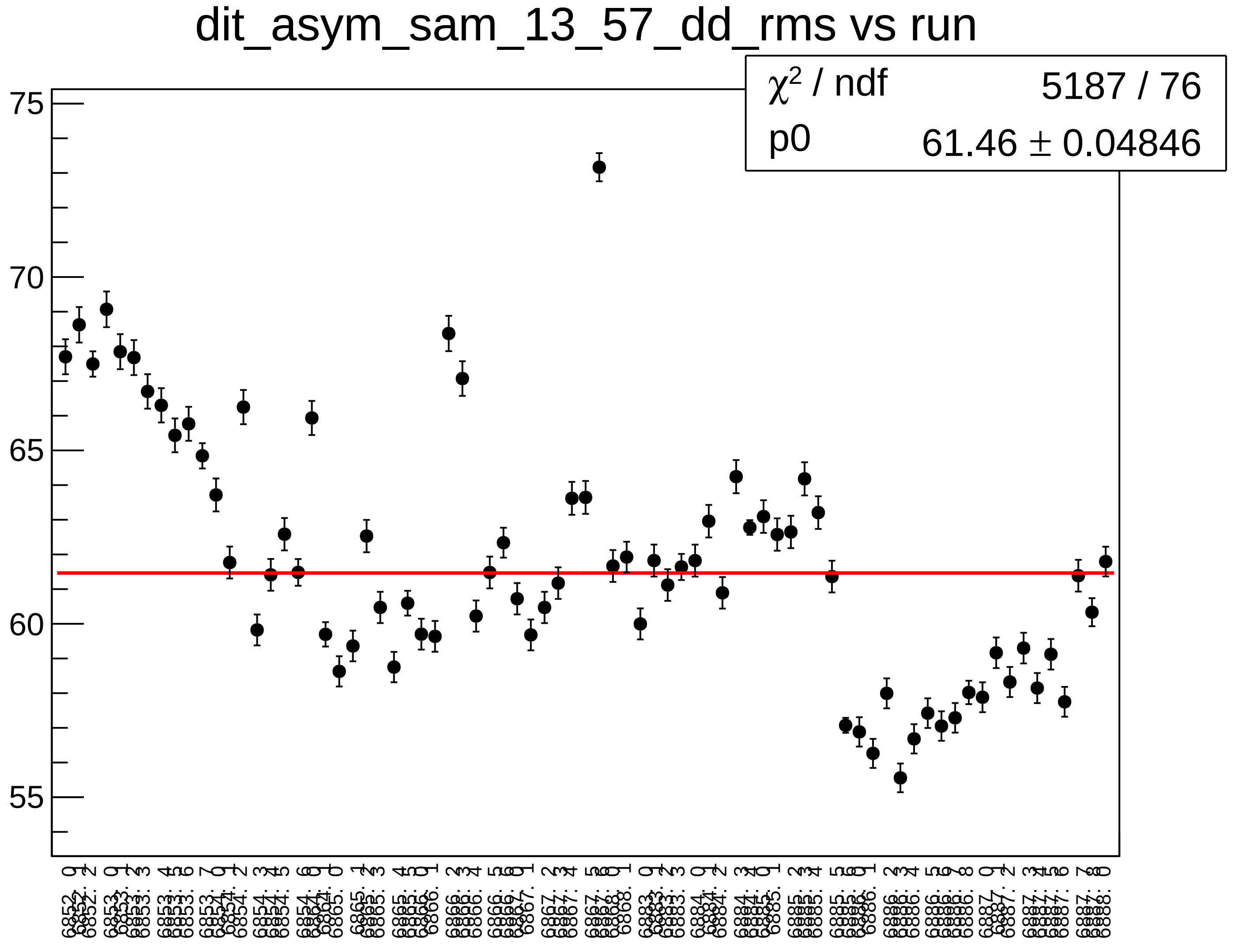
asym_sam_48_dd_correction_rms vs run
$\chi^2$ / ndf 6.655e+04 / 76
p0 1145 ± 0.9201
1800
1600
1400
1200
1000
800



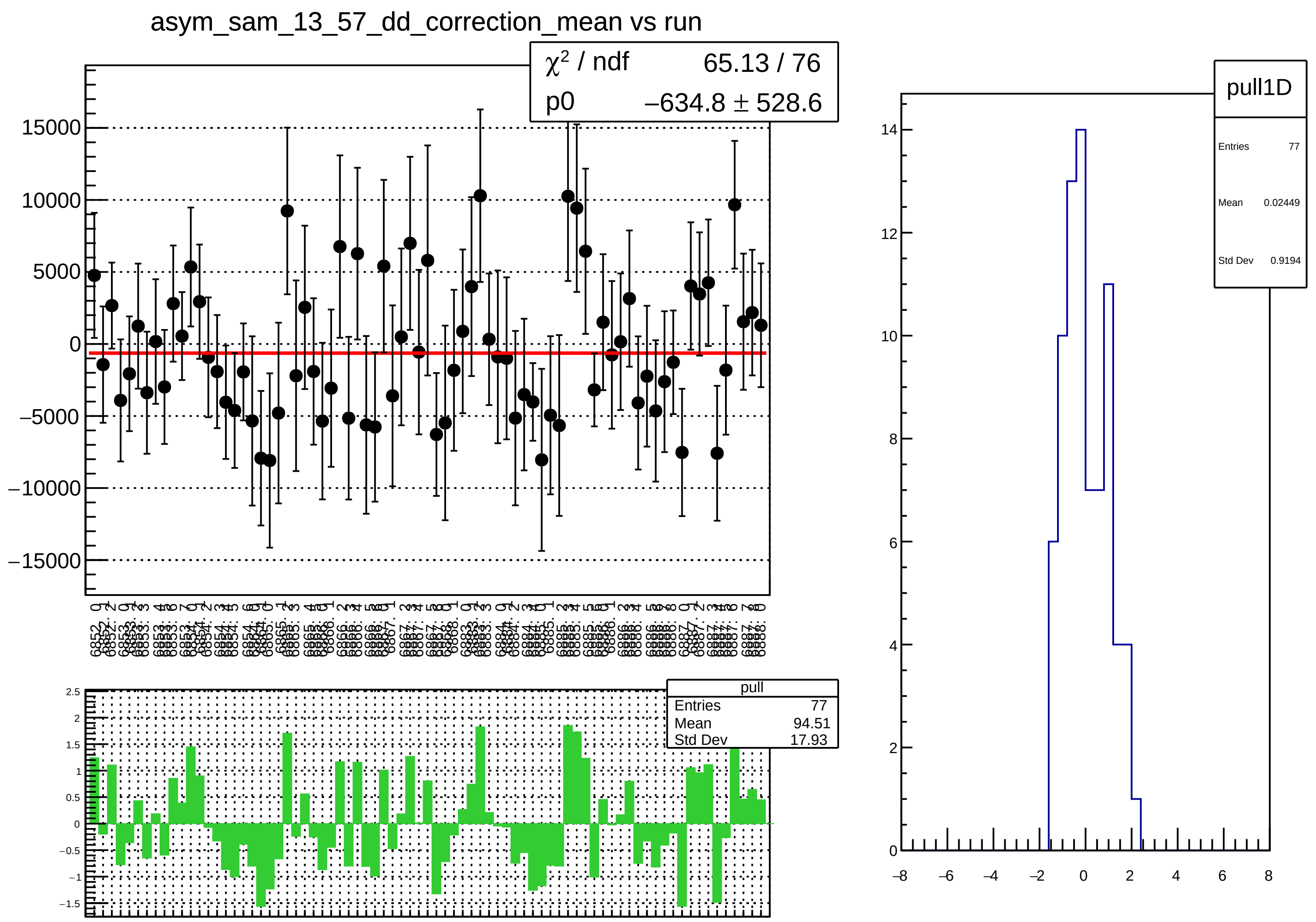
asym_sam_48_dd_mean vs run
$\chi^2$ / ndf 72.83 / 76
p0 2667 ± 1296
pull
Entries 77
Mean 104.7
Std Dev 65.11
pull1D
Entries 77
Mean −0.03251
Std Dev 0.972


asym_sam_48_dd_rms vs run
χ2 / ndf 7.258e+04 / 76
p0 1137 ± 0.9161
1800
1600
1400
1200
1000
800

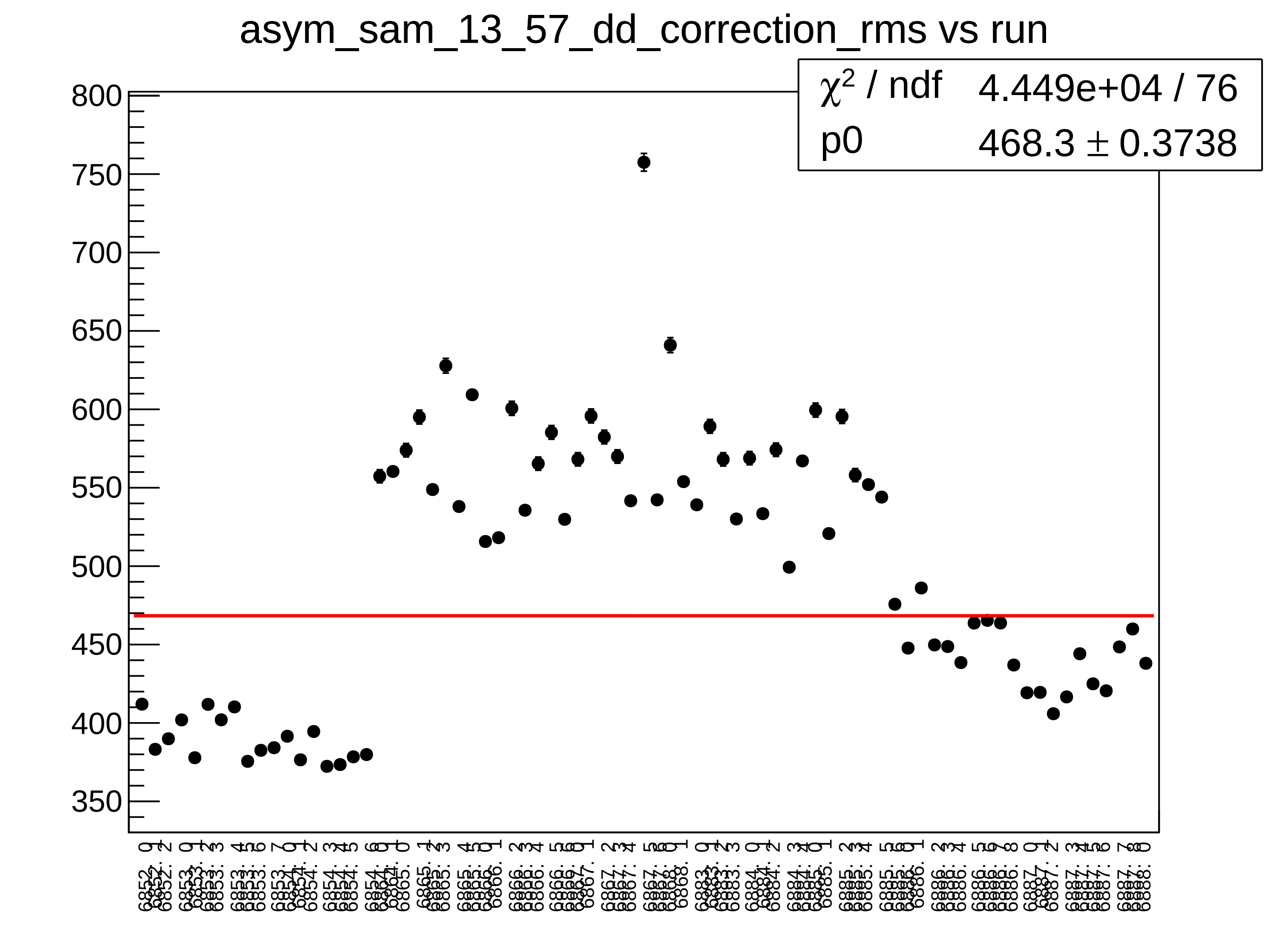

dit_asym_sam_13_57_dd_mean vs run
χ2 / ndf 55.25 / 76
p0 −163.4 ± 68.53
pull
Entries 77
Mean −90.18
Std Dev 114.3
pull1D
Entries 77
Mean −0.01249
Std Dev 0.847



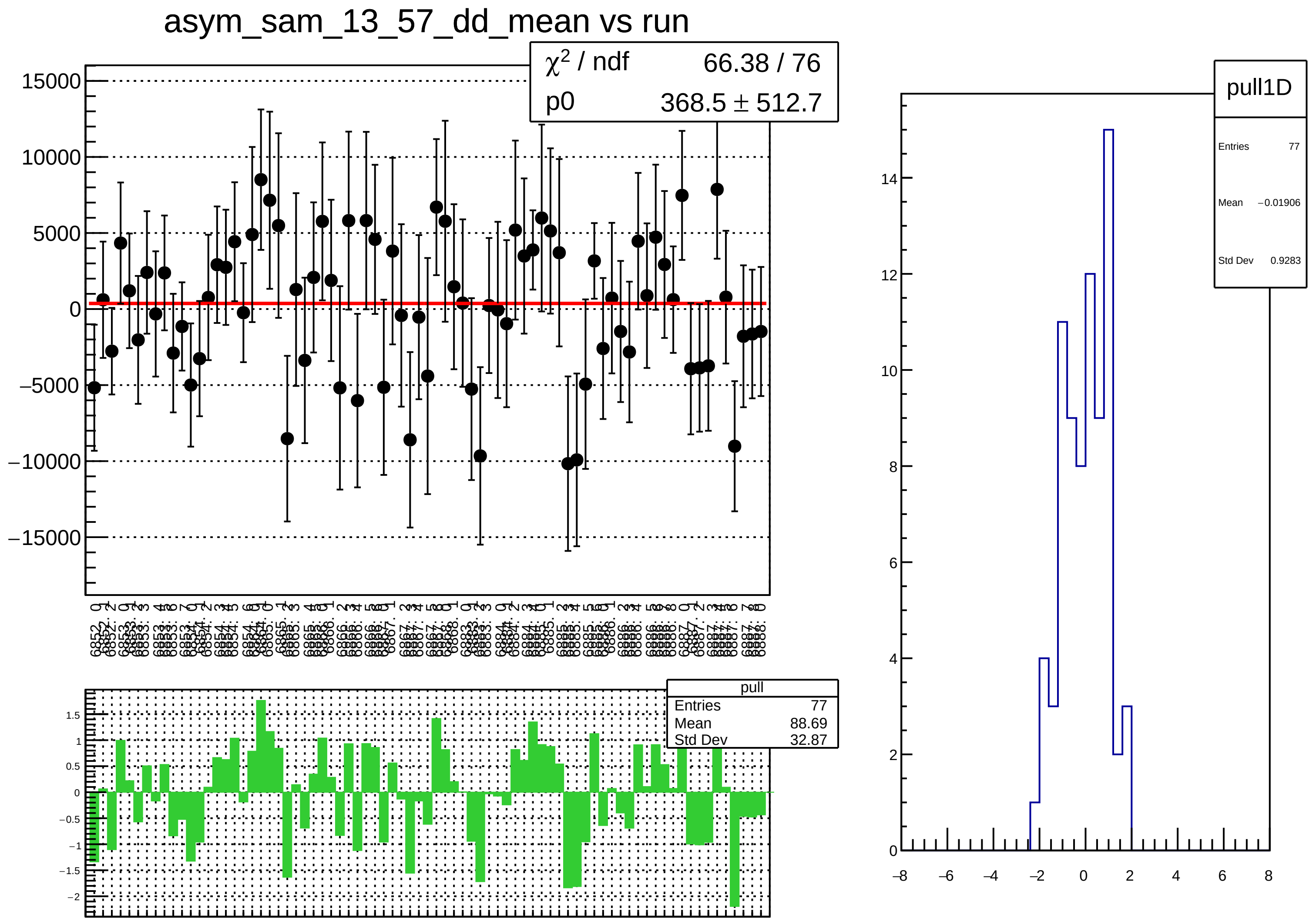
dit_asym_sam_13_57_dd_rms vs run
$\chi^2$ / ndf 5187 / 76
p0 61.46 ± 0.04846
75
70
65
60
55

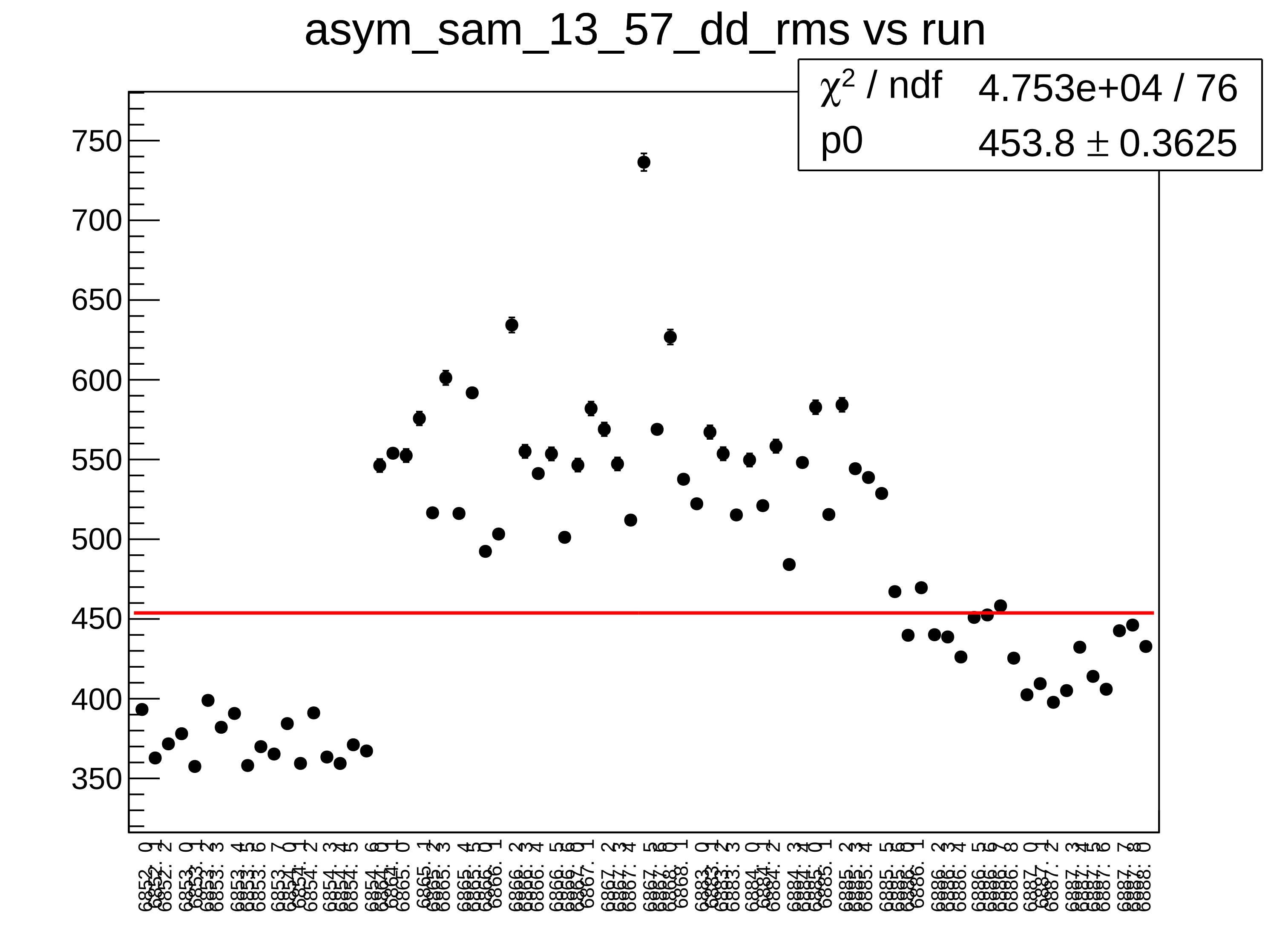


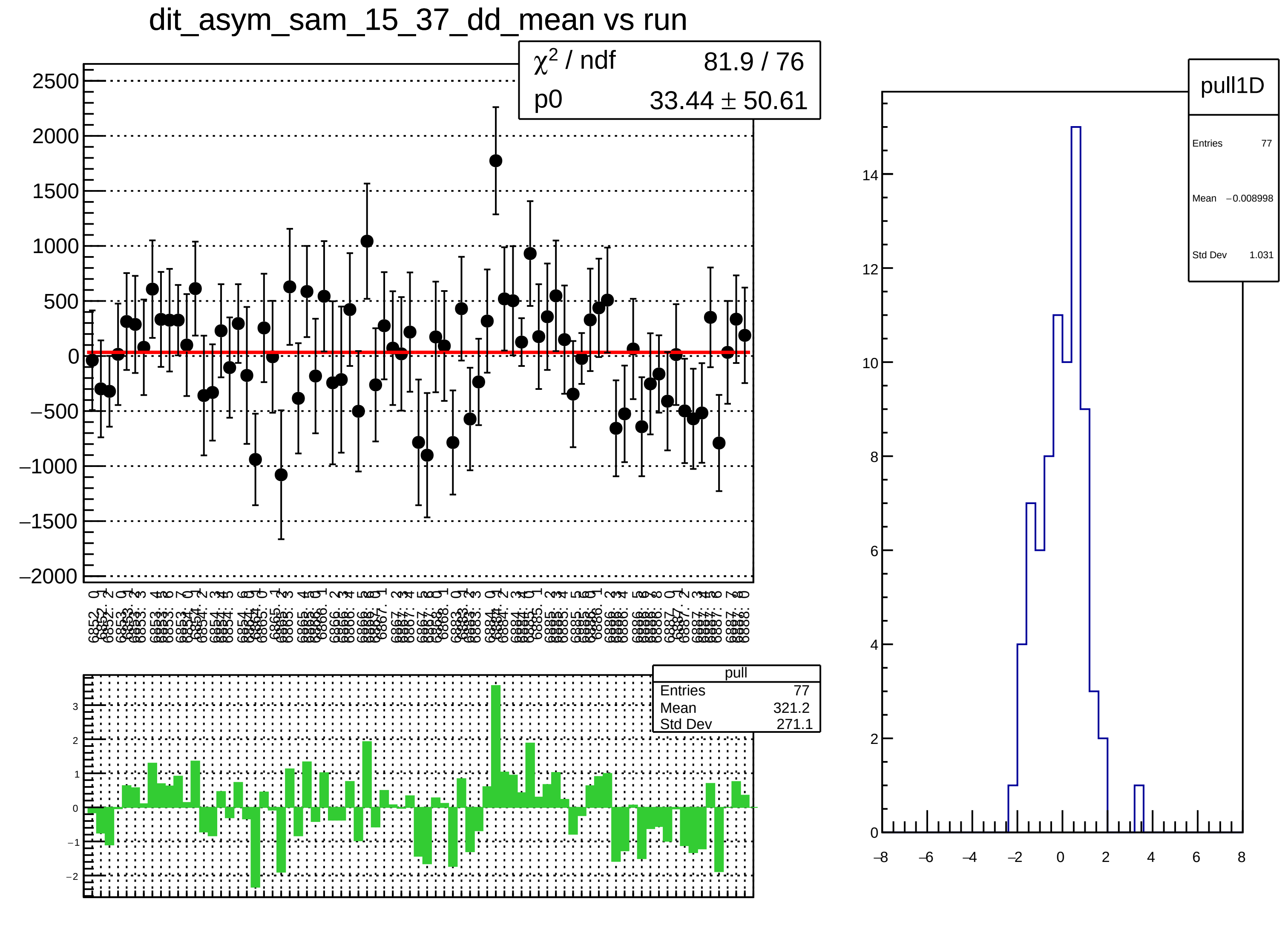
asym_sam_13_57_dd_correction_mean vs run
$\chi^2$ / ndf 65.13 / 76
p0 −634.8 ± 528.6
pull
Entries 77
Mean 94.51
Std Dev 17.93
pull1D
Entries 77
Mean 0.02449
Std Dev 0.9194



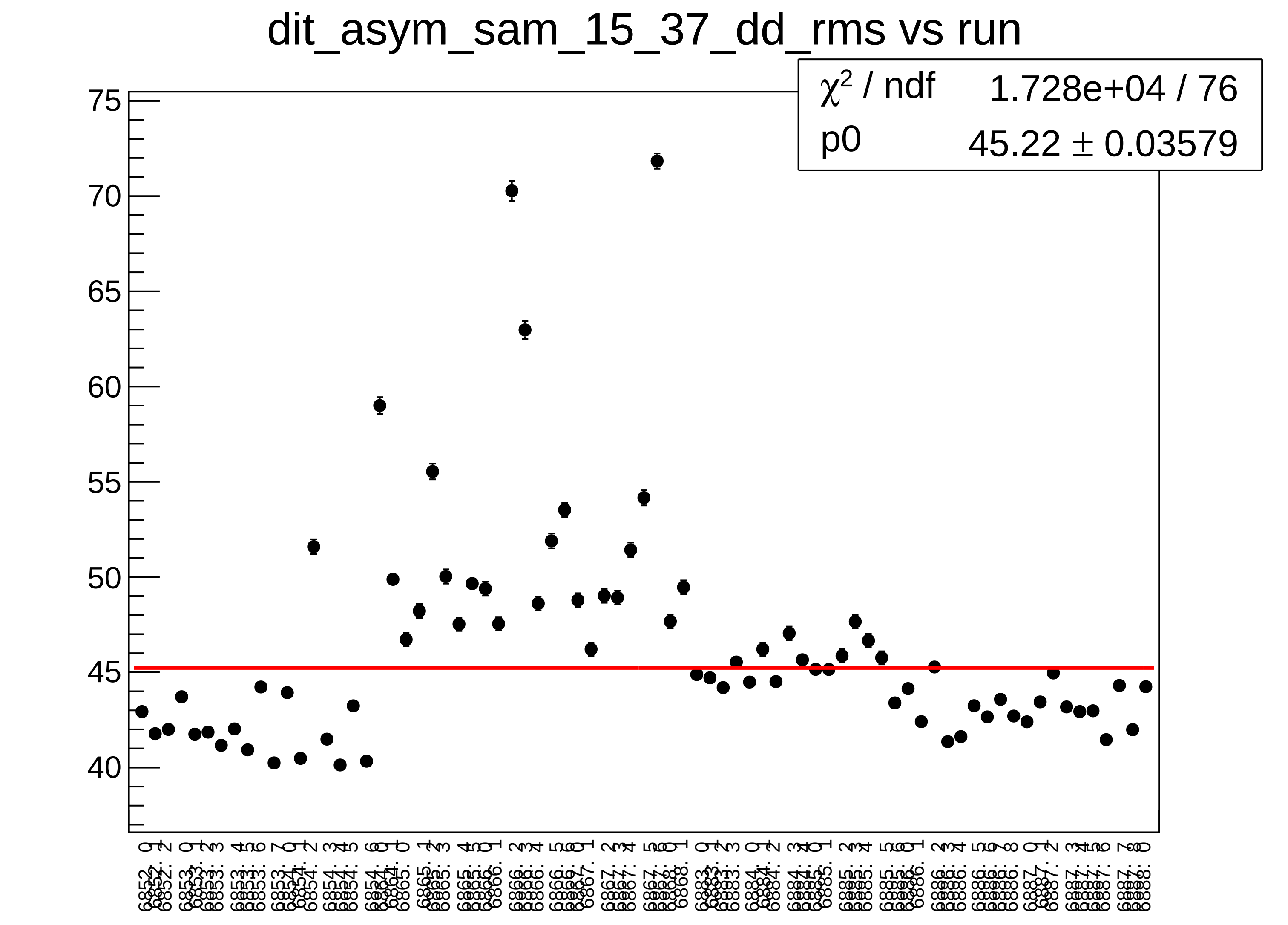
asym_sam_13_57_dd_correction_rms vs run
$\chi^2$ / ndf 4.449e+04 / 76
p0 468.3 ± 0.3738
800
750
700
650
600
550
500
450
400
350

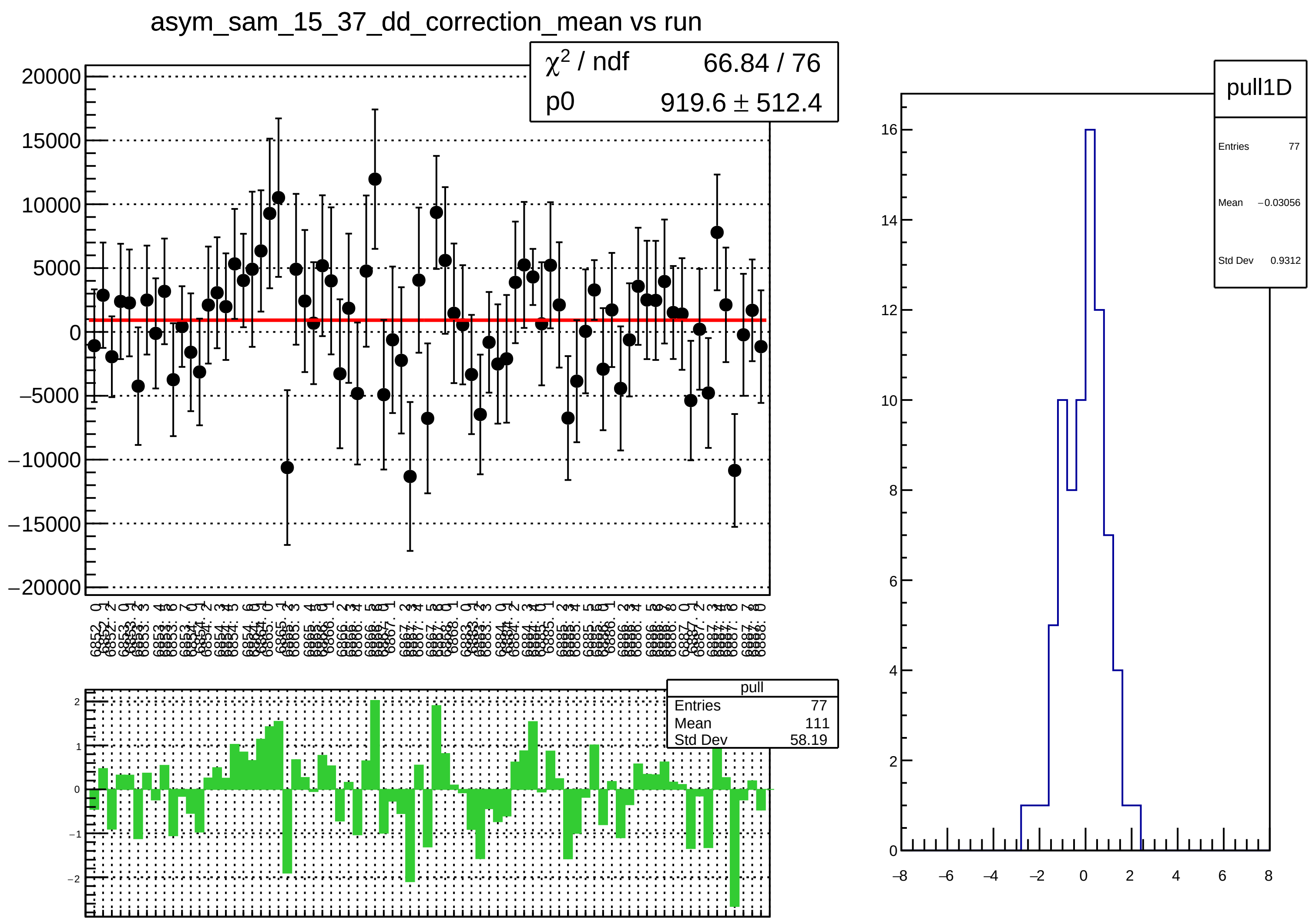

asym_sam_13_57_dd_mean vs run
χ2 / ndf 66.38 / 76
p0 368.5 ± 512.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean 88.69
Std Dev 32.87
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean −0.01906
Std Dev 0.9283
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_rms vs run
χ2 / ndf 4.753e+04 / 76
p0 453.8 ± 0.3625

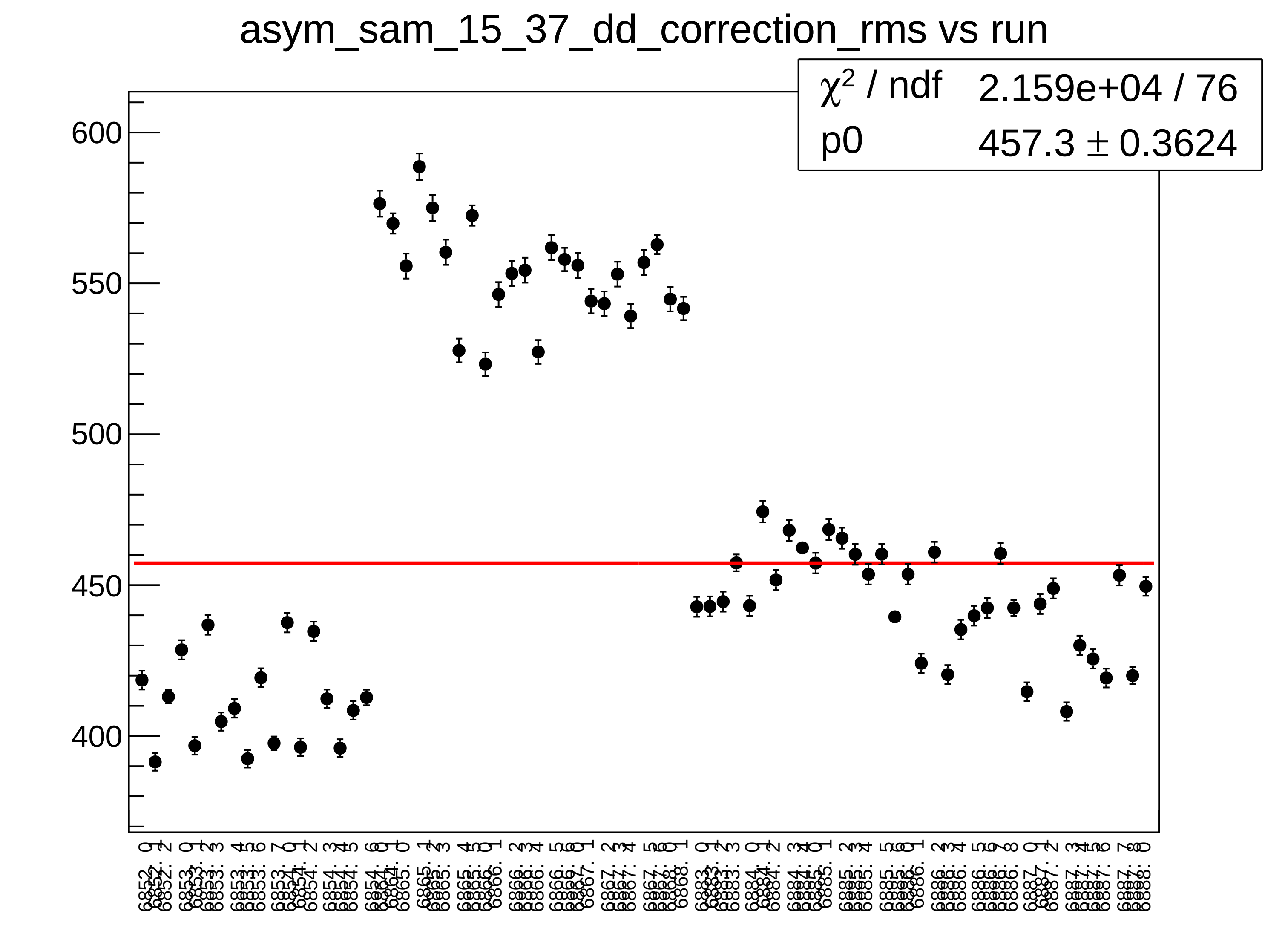


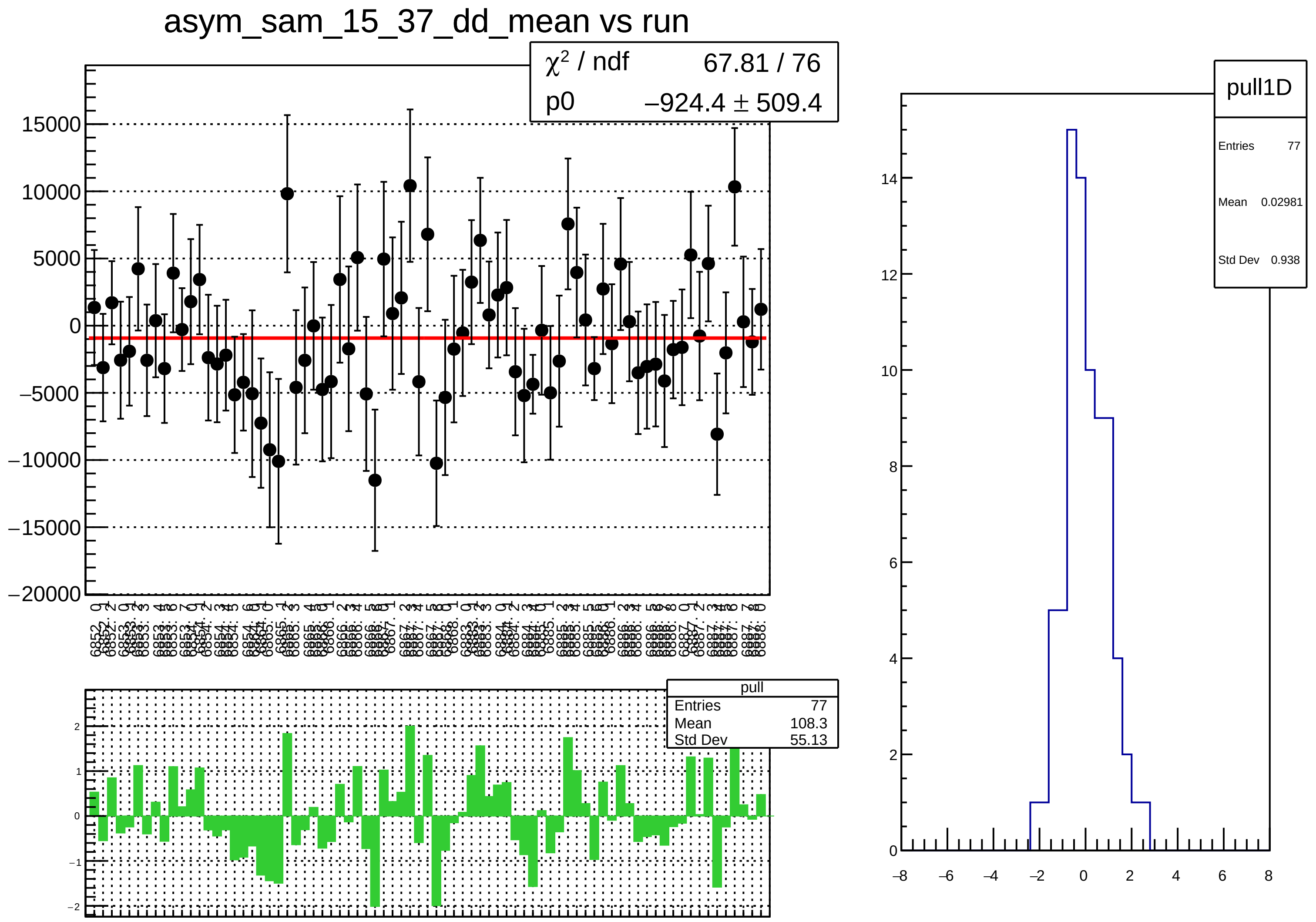
dit_asym_sam_15_37_dd_mean vs run
$\chi^2$ / ndf 81.9 / 76
p0 33.44 ± 50.61
pull
Entries 77
Mean 321.2
Std Dev 271.1
pull1D
Entries 77
Mean −0.008998
Std Dev 1.031


dit_asym_sam_15_37_dd_rms vs run
χ2 / ndf 1.728e+04 / 76
p0 45.22 ± 0.03579

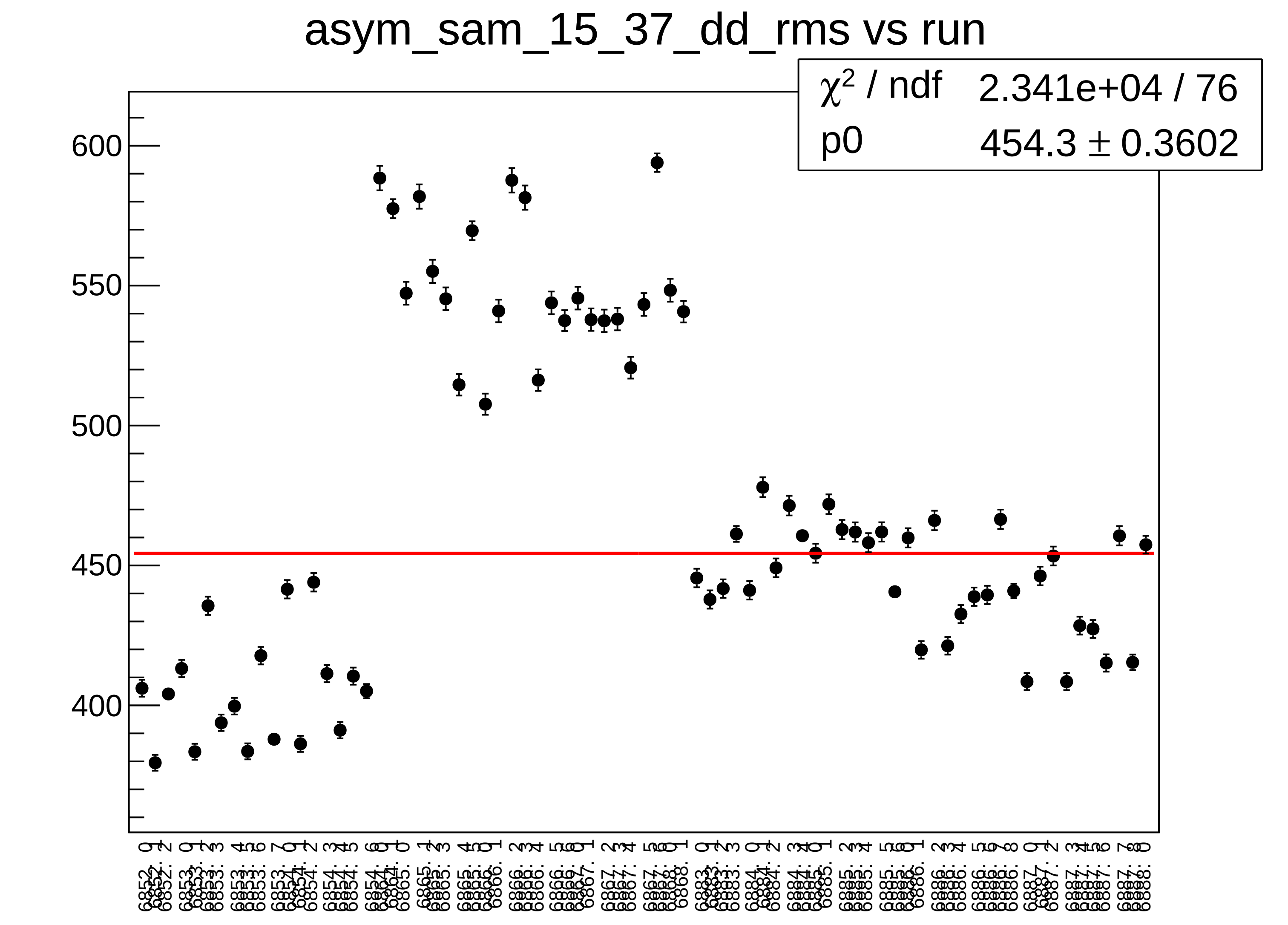


asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 66.84 / 76
p0 919.6 ± 512.4
pull
Entries 77
Mean 111
Std Dev 58.19
pull1D
Entries 77
Mean −0.03056
Std Dev 0.9312

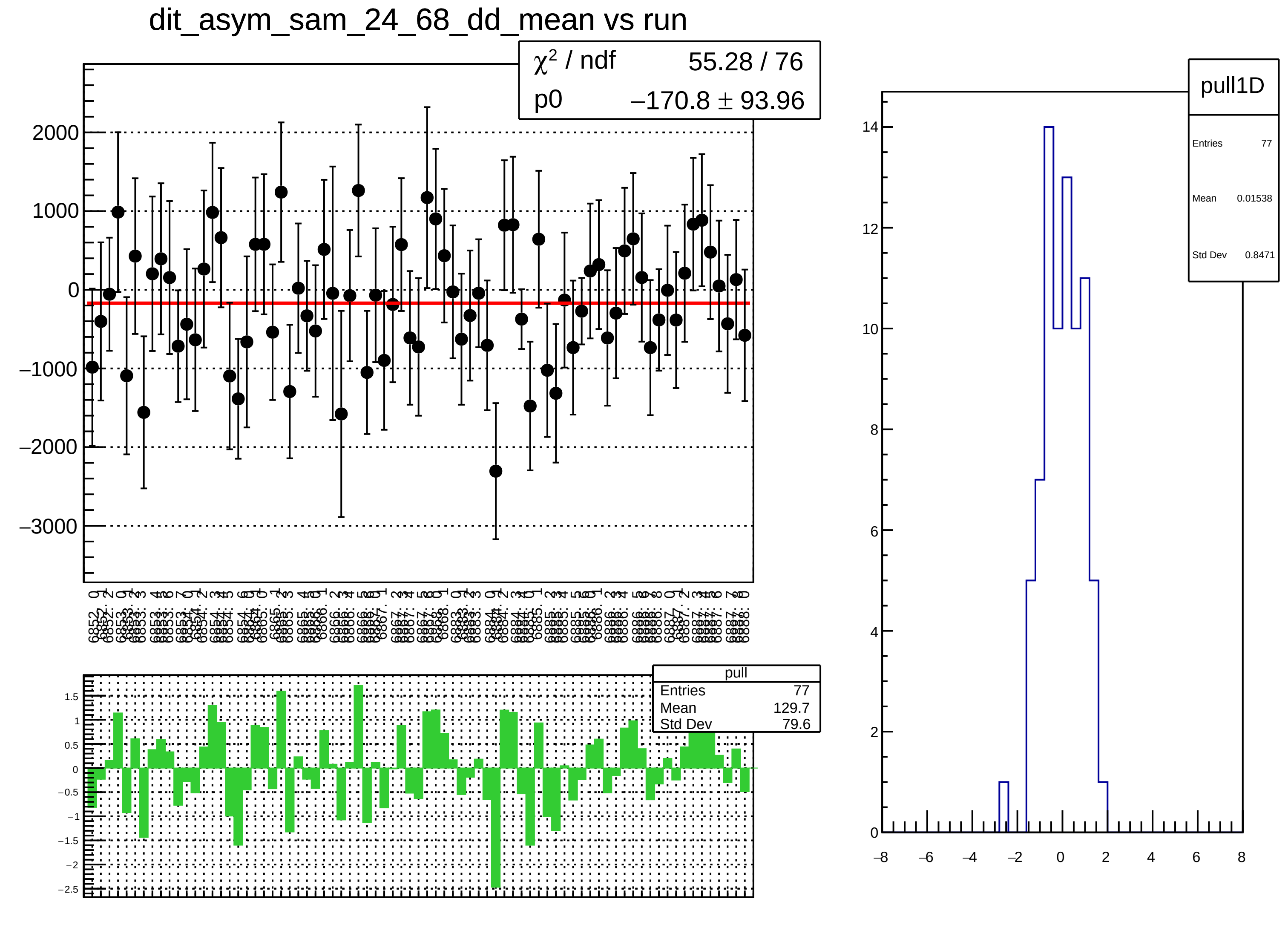

asym_sam_15_37_dd_correction_rms vs run
$\chi^2$ / ndf 2.159e+04 / 76
p0 457.3 ± 0.3624
600
550
500
450
400

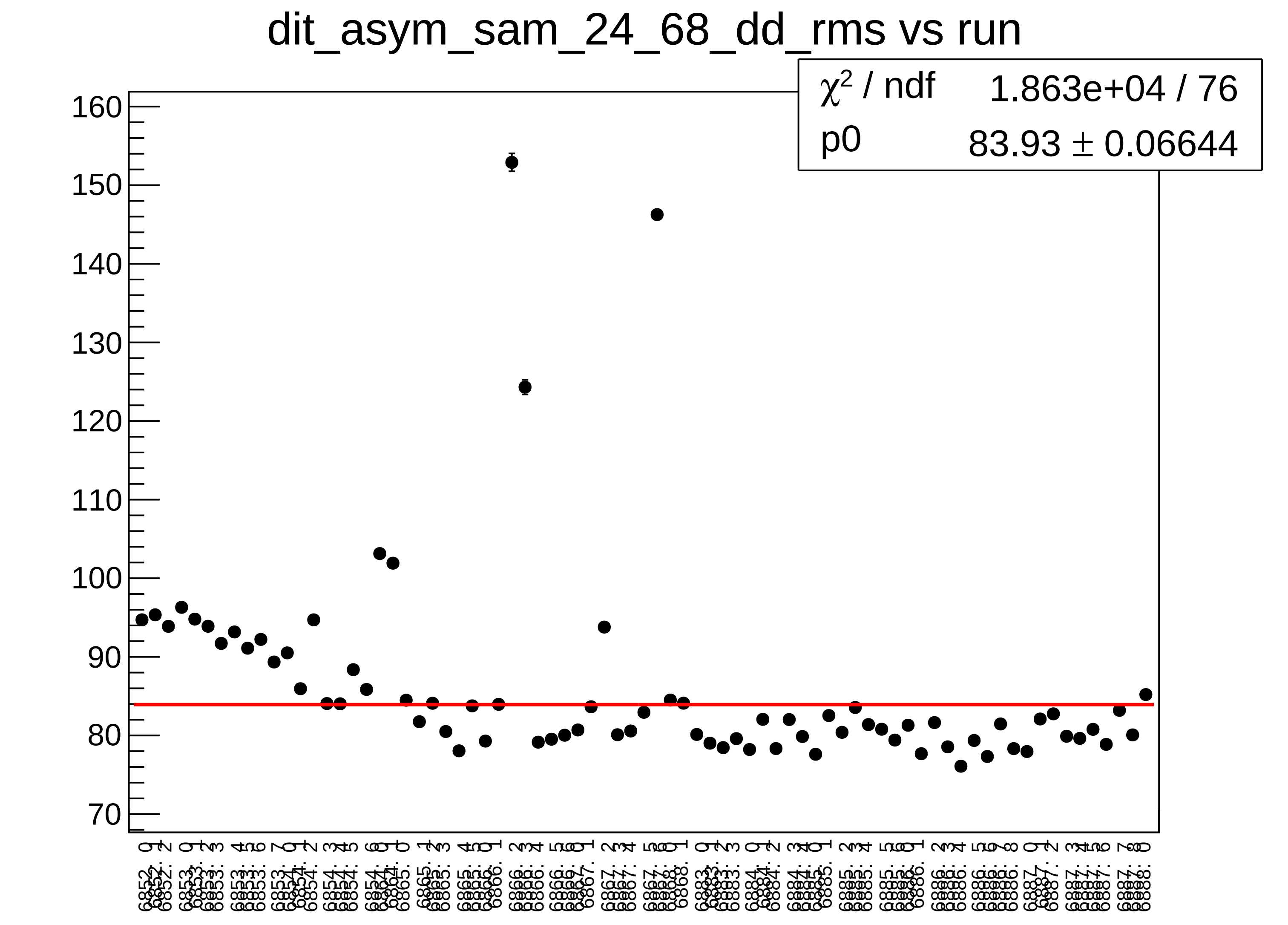


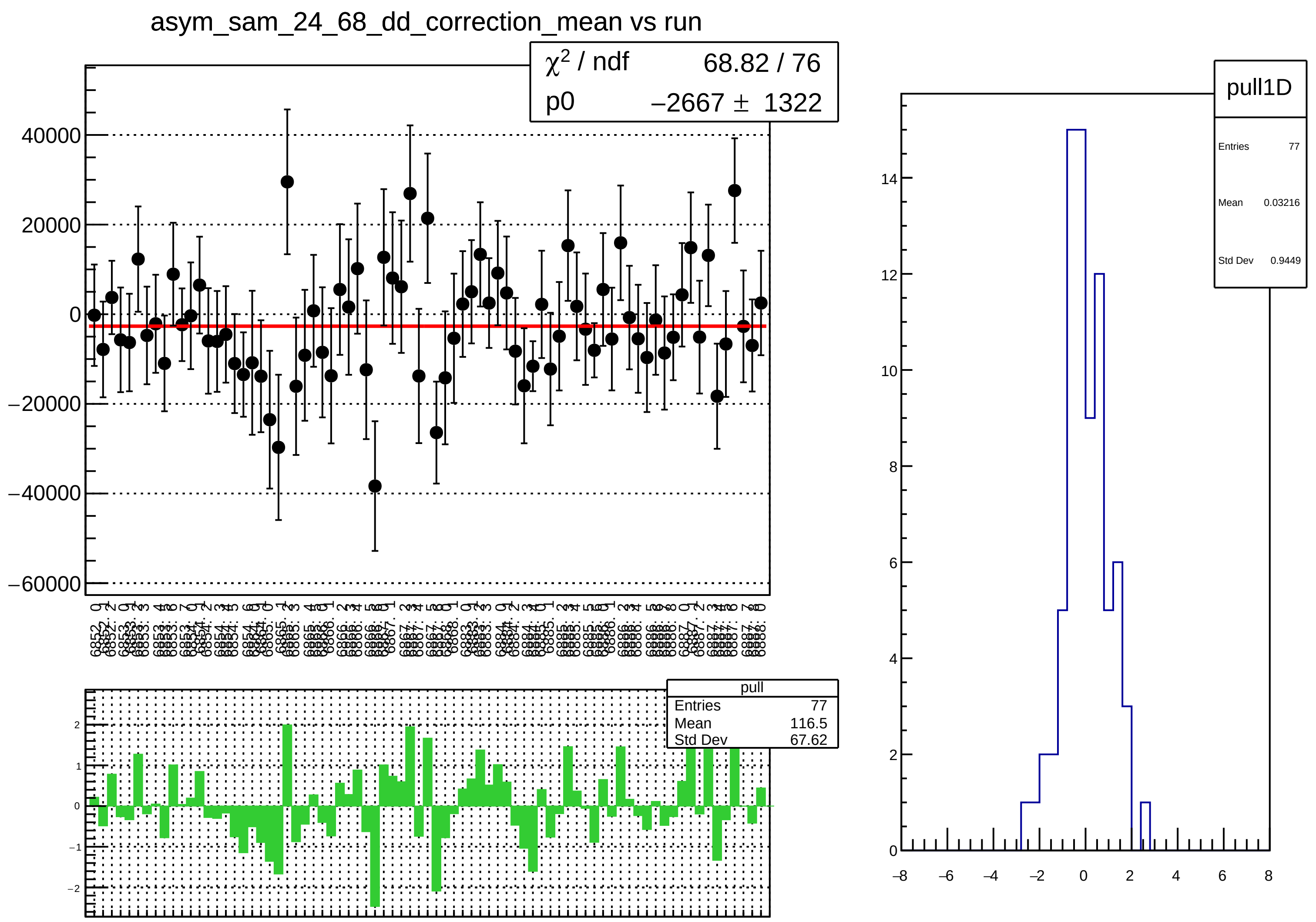
asym_sam_15_37_dd_mean vs run
$\chi^2$ / ndf 67.81 / 76
p0 −924.4 ± 509.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 77
Mean 108.3
Std Dev 55.13
pull1D
Entries 77
Mean 0.02981
Std Dev 0.938



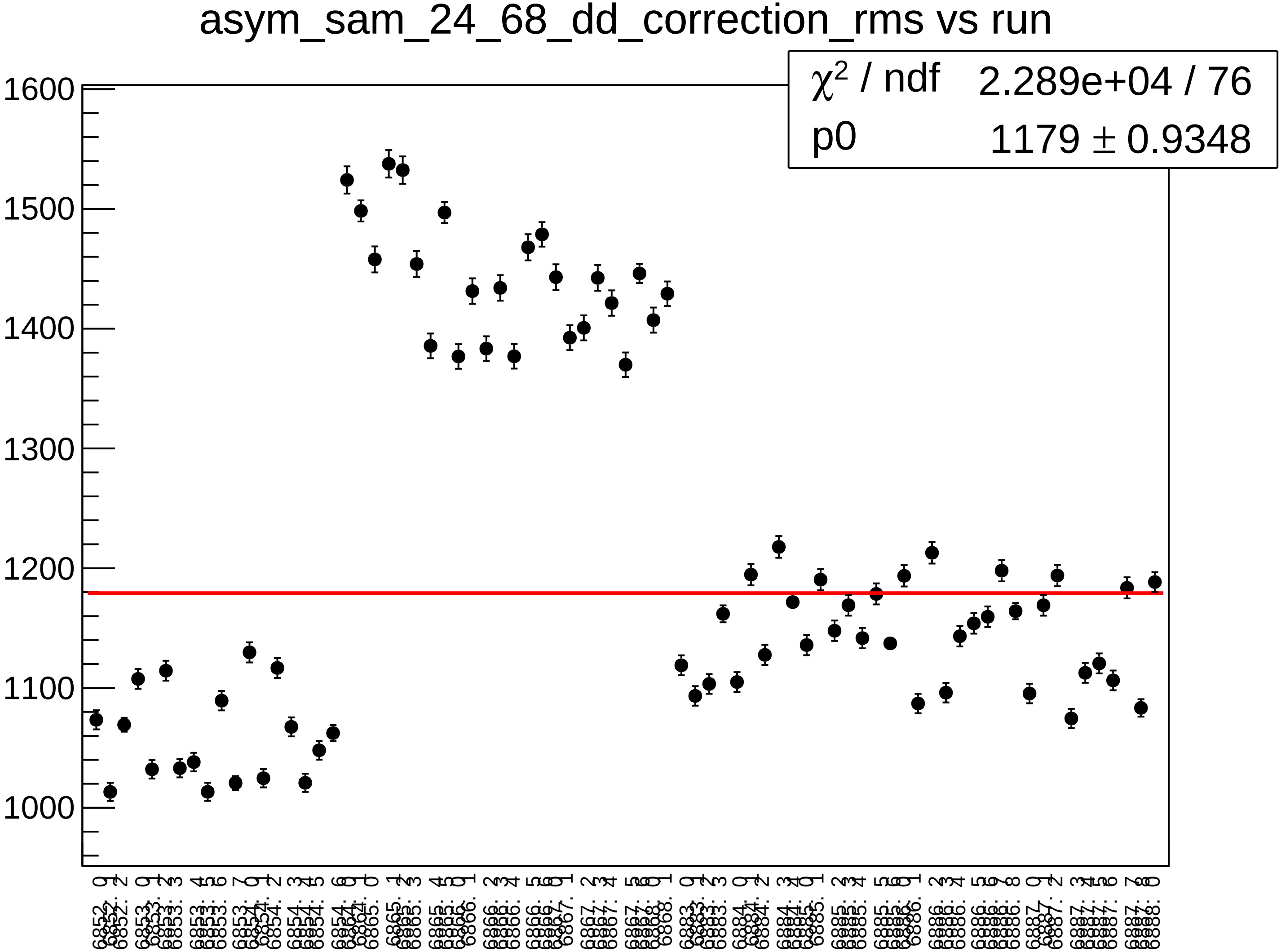
asym_sam_15_37_dd_rms vs run
χ2 / ndf 2.341e+04 / 76
p0 454.3 ± 0.3602
600
550
500
450
400

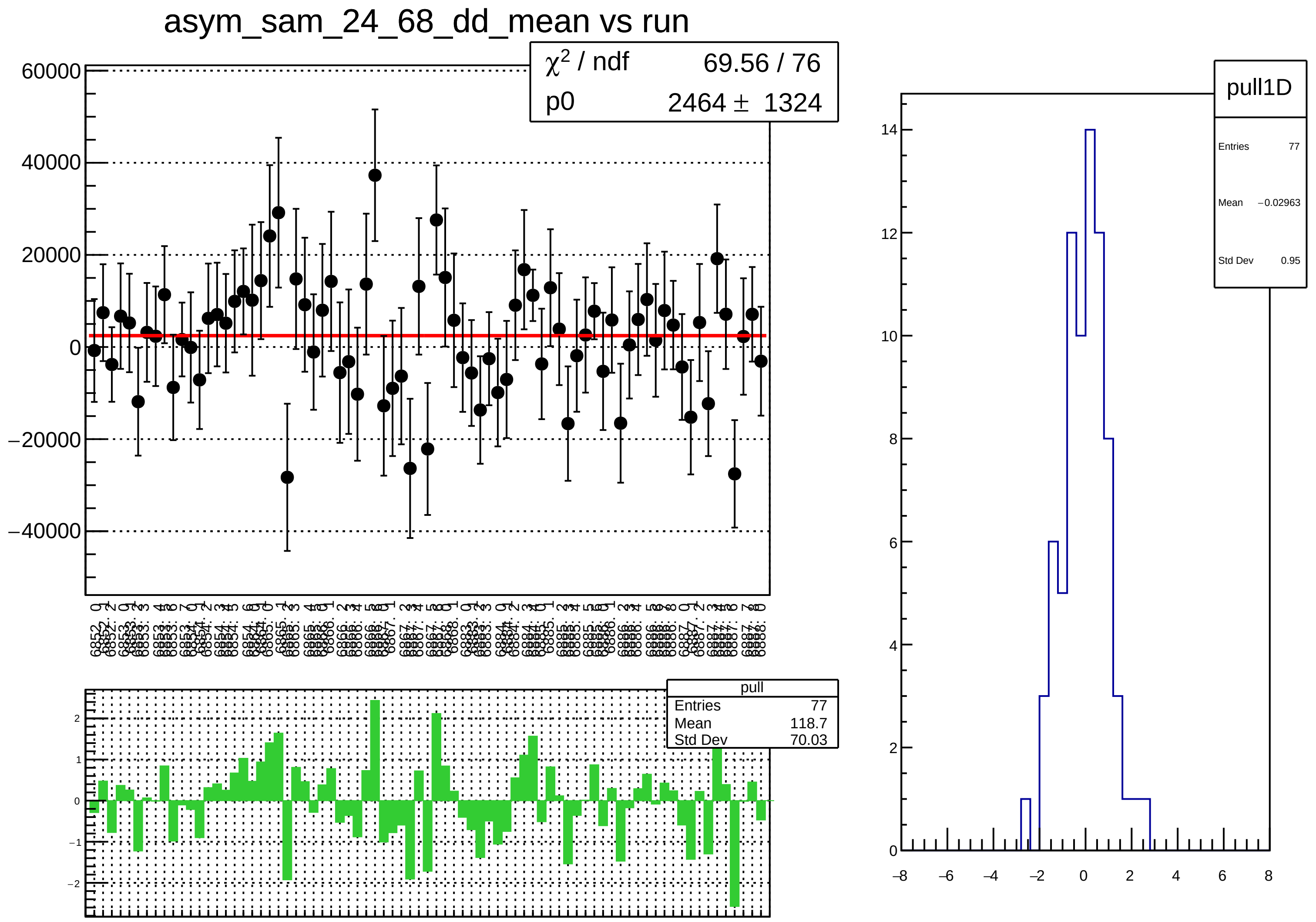

dit_asym_sam_24_68_dd_mean vs run
χ2 / ndf 55.28 / 76
p0 −170.8 ± 93.96
pull
Entries 77
Mean 129.7
Std Dev 79.6
pull1D
Entries 77
Mean 0.01538
Std Dev 0.8471

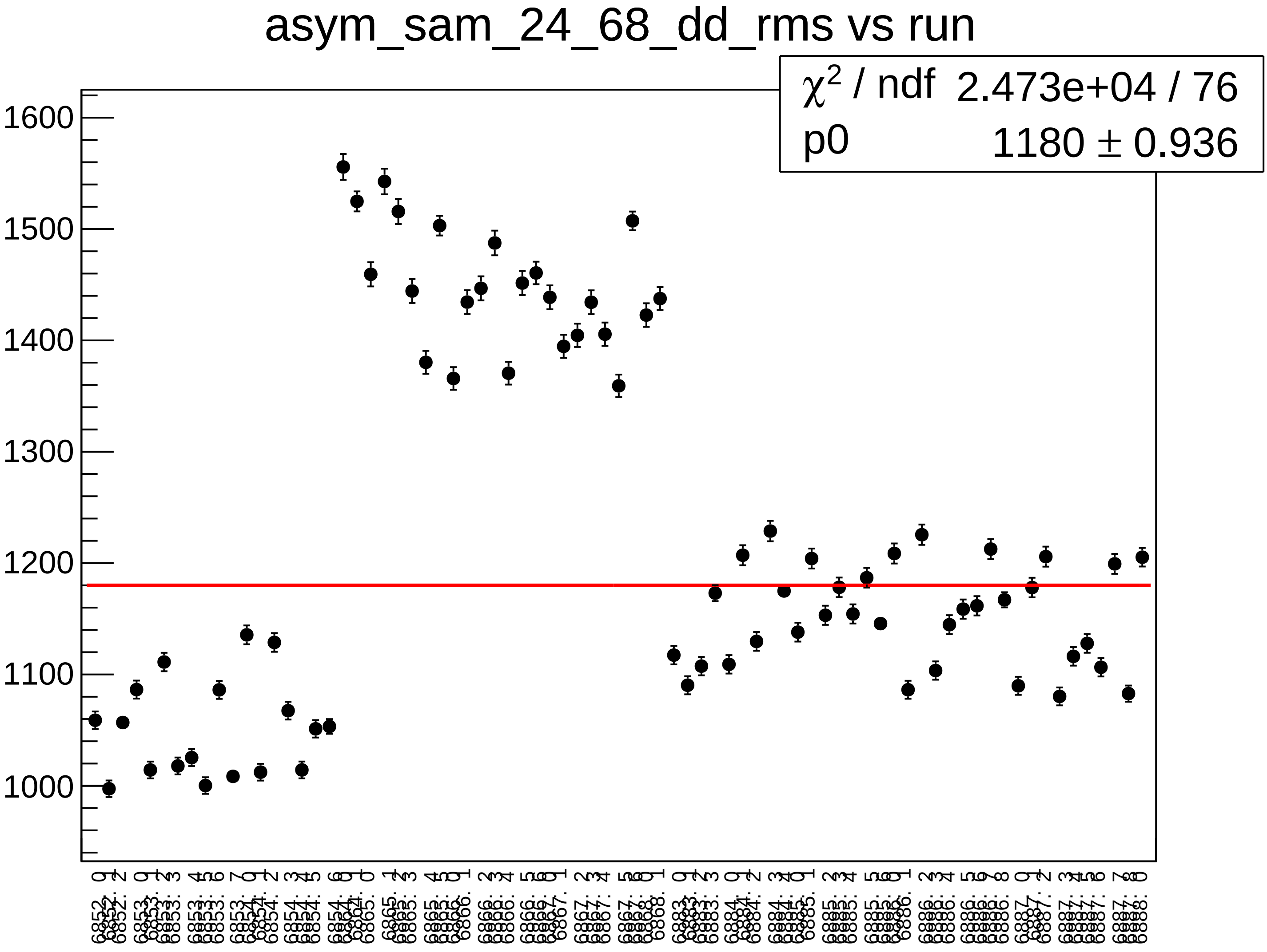

dit_asym_sam_24_68_dd_rms vs run
χ2 / ndf 1.863e+04 / 76
p0 83.93 ± 0.06644
160
150
140
130
120
110
100
90
80
70



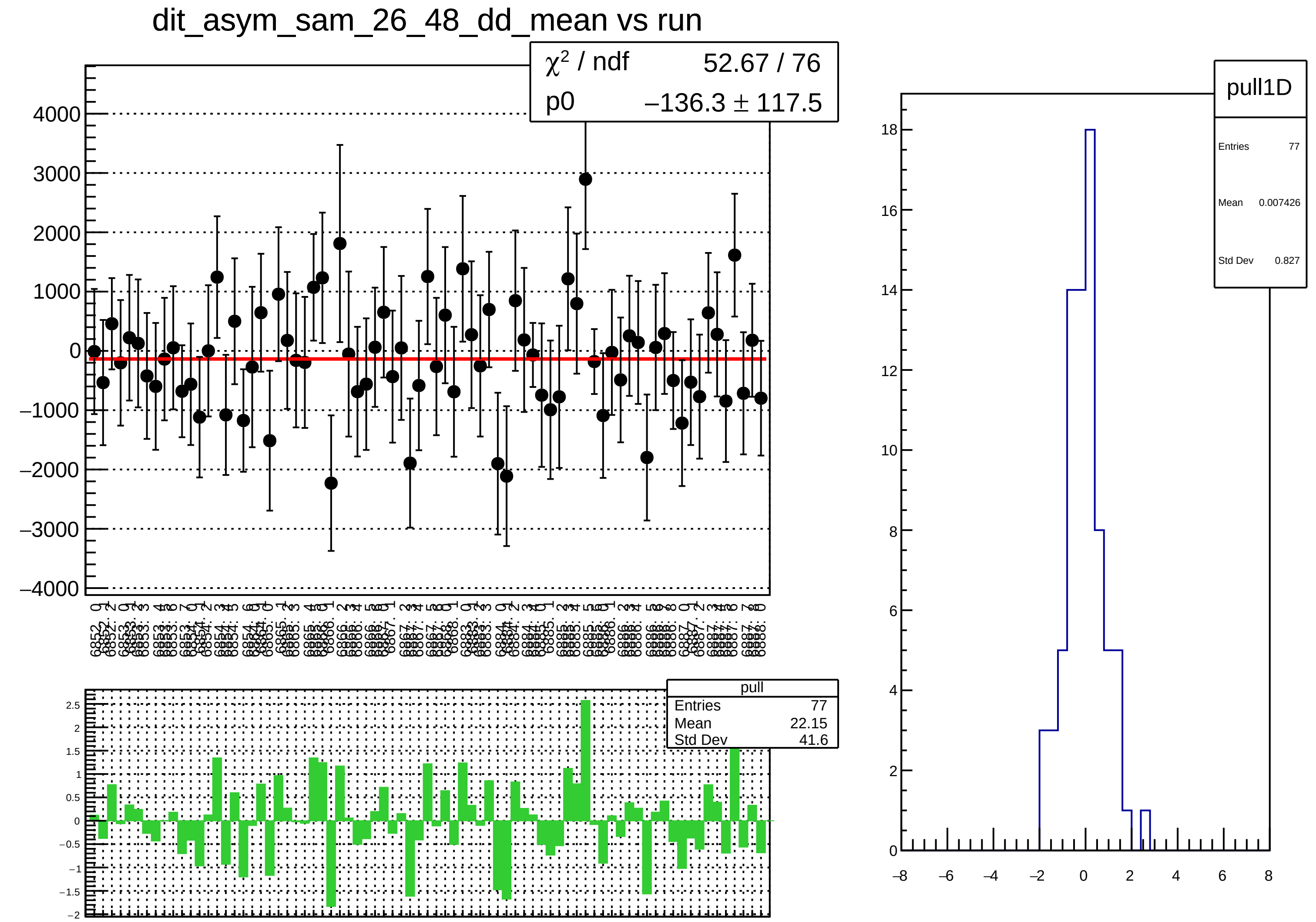
asym_sam_24_68_dd_correction_mean vs run
$\chi^2$ / ndf 68.82 / 76
p0 −2667 ± 1322
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean 116.5
Std Dev 67.62
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.03216
Std Dev 0.9449
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_correction_rms vs run
$\chi^2$ / ndf 2.289e+04 / 76
p0 1179 ± 0.9348
1600
1500
1400
1300
1200
1100
1000

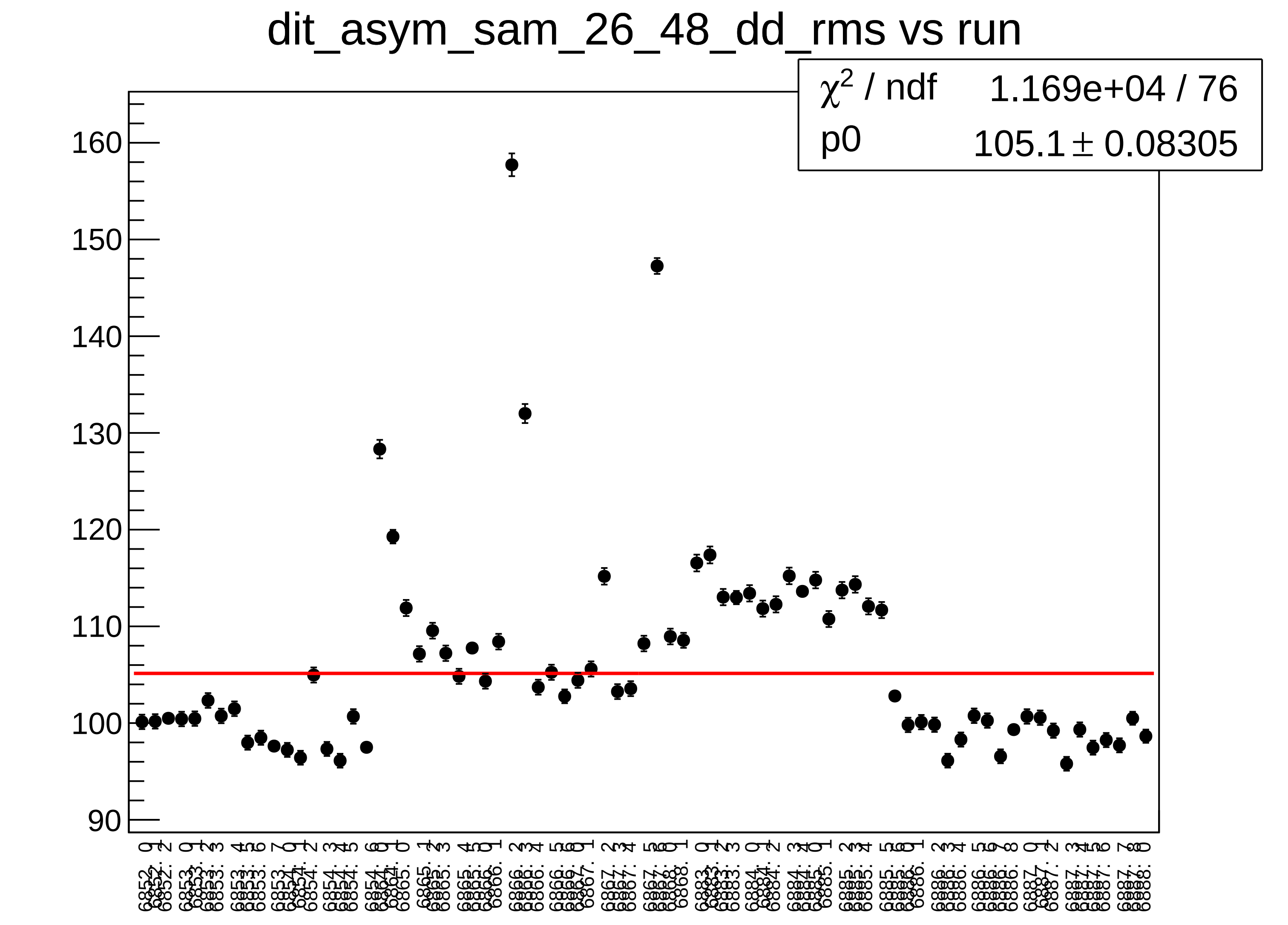

asym_sam_24_68_dd_mean vs run
χ2 / ndf 69.56 / 76
p0 2464 ± 1324
60000
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 118.7
Std Dev 70.03
2
1
0
−1
−2
pull1D
Entries 77
Mean −0.02963
Std Dev 0.95
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

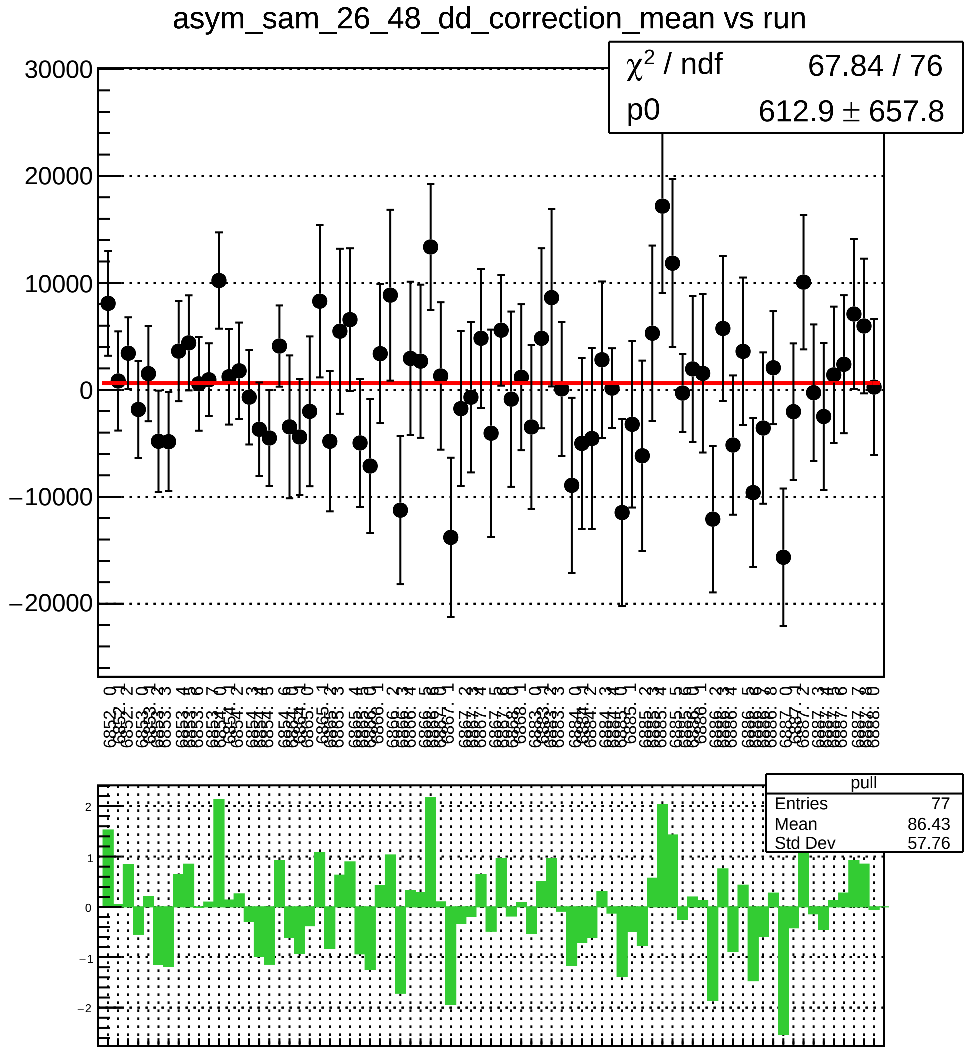


asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 2.473e+04 / 76
p0 1180 ± 0.936
1600
1500
1400
1300
1200
1100
1000

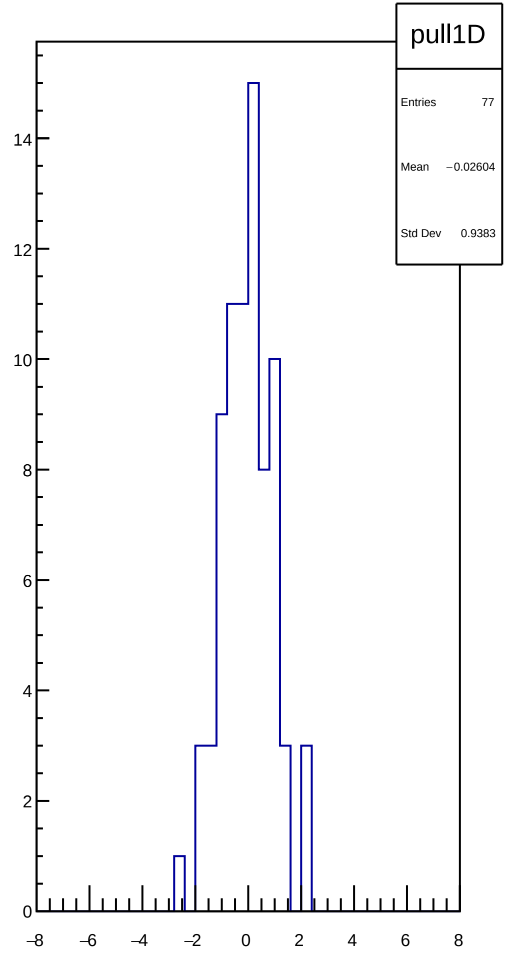


dit_asym_sam_26_48_dd_mean vs run
$\chi^2$ / ndf 52.67 / 76
p0 −136.3 ± 117.5
pull
Entries 77
Mean 22.15
Std Dev 41.6
pull1D
Entries 77
Mean 0.007426
Std Dev 0.827

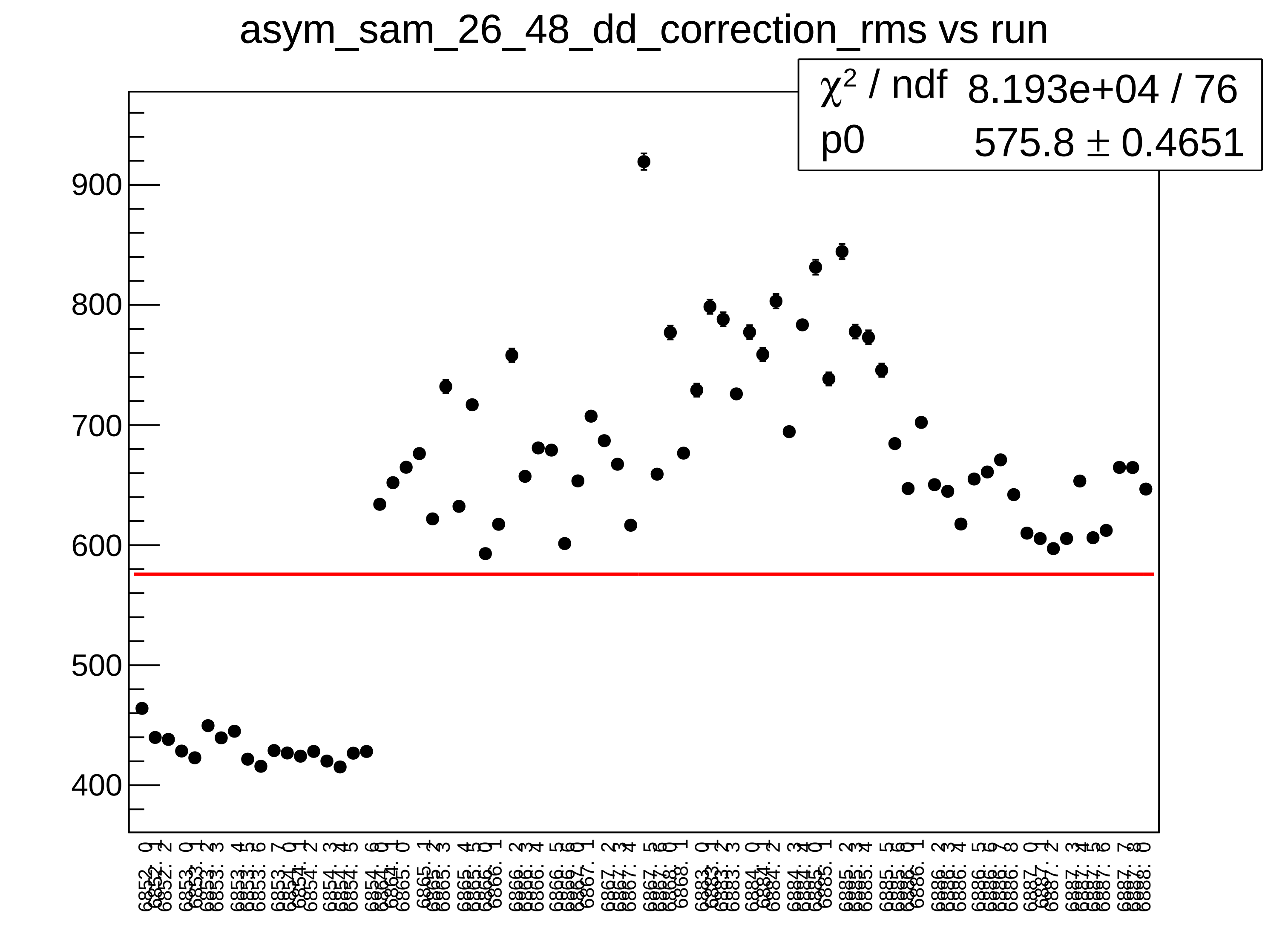

dit_asym_sam_26_48_dd_rms vs run
χ2 / ndf 1.169e+04 / 76
p0 105.1 ± 0.08305



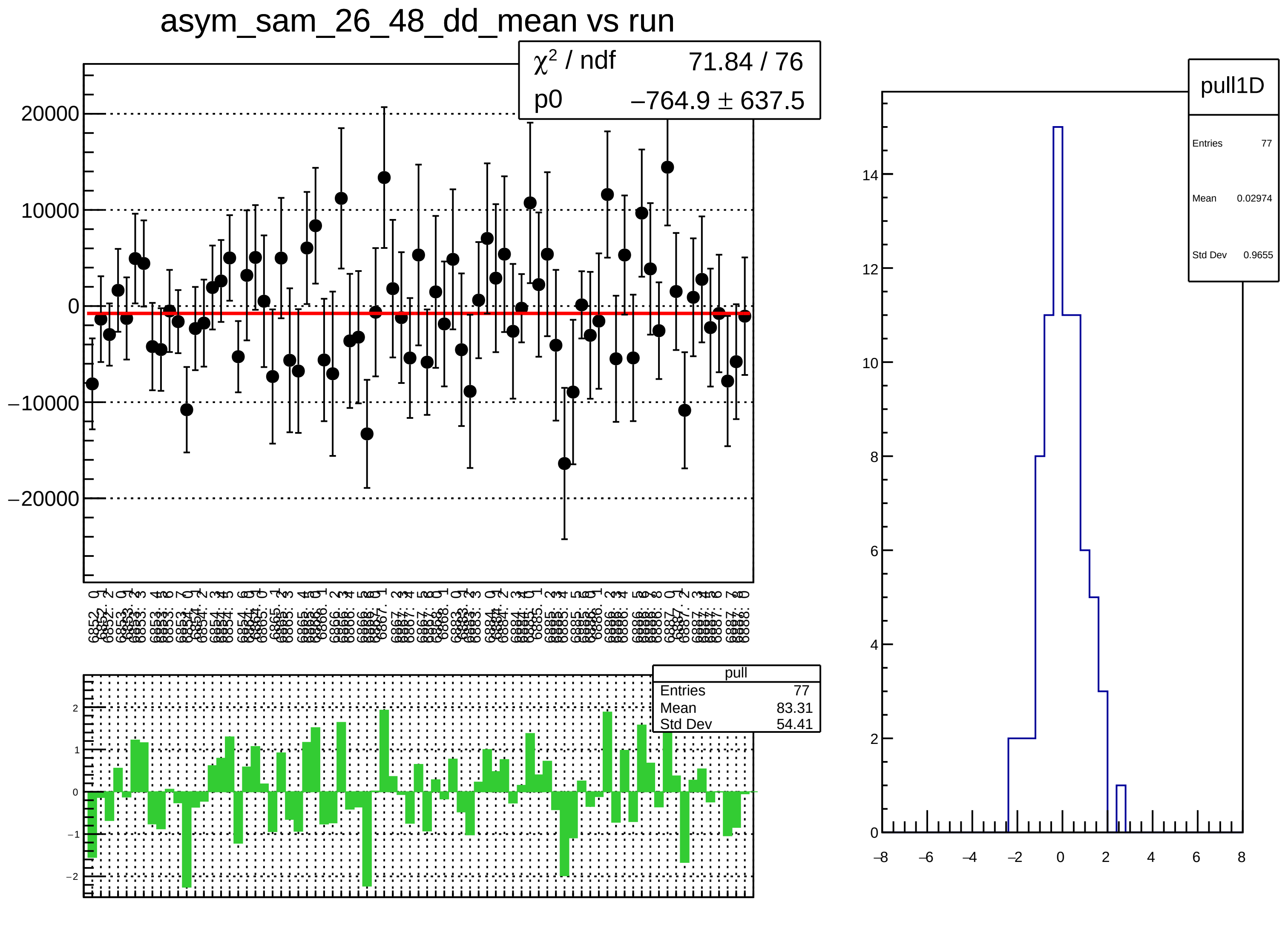
asym_sam_26_48_dd_correction_mean vs run
$\chi^2$ / ndf 67.84 / 76
p0 612.9 ± 657.8
pull
Entries 77
Mean 86.43
Std Dev 57.76

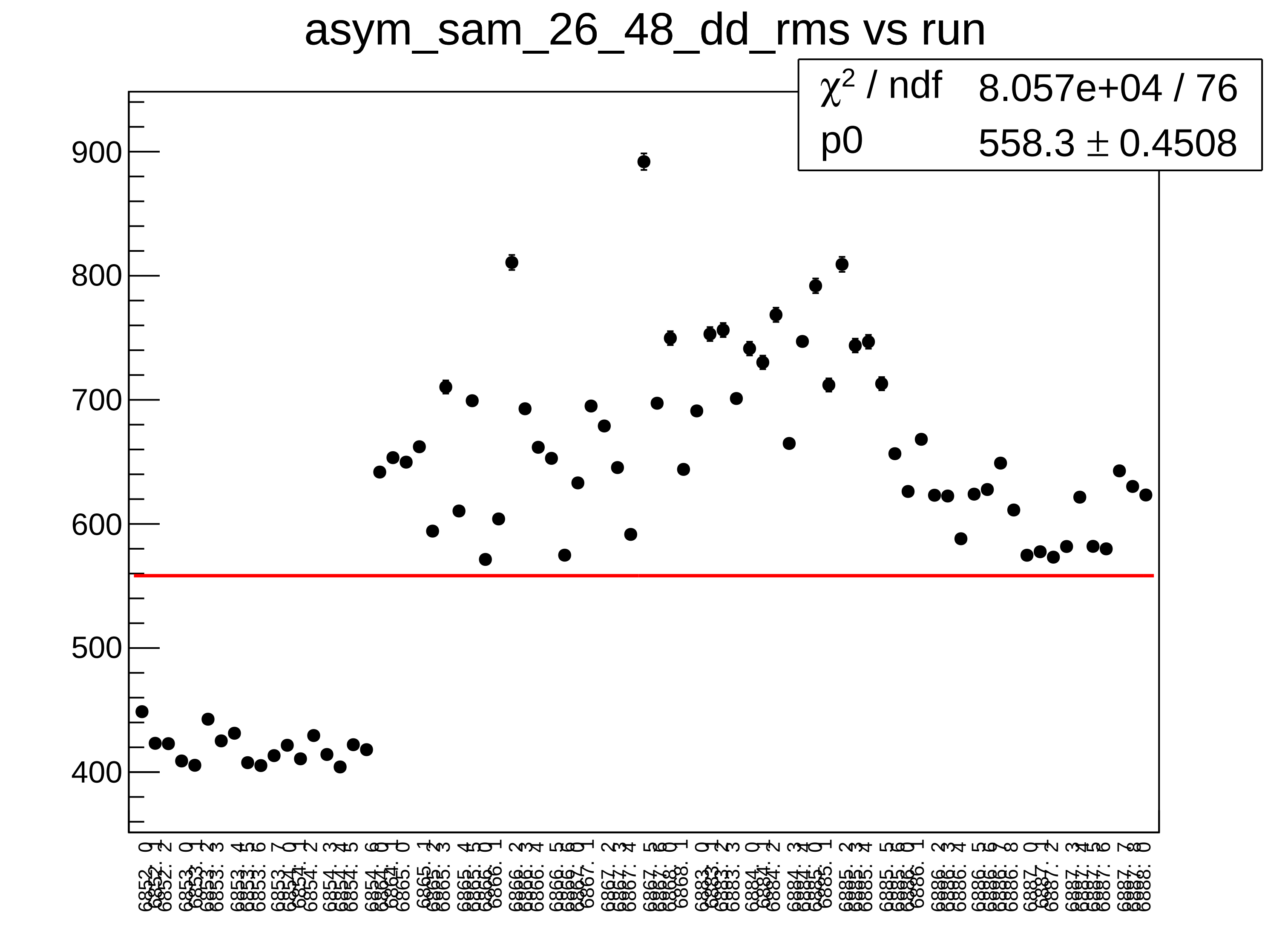
pull1D
Entries 77
Mean −0.02604
Std Dev 0.9383

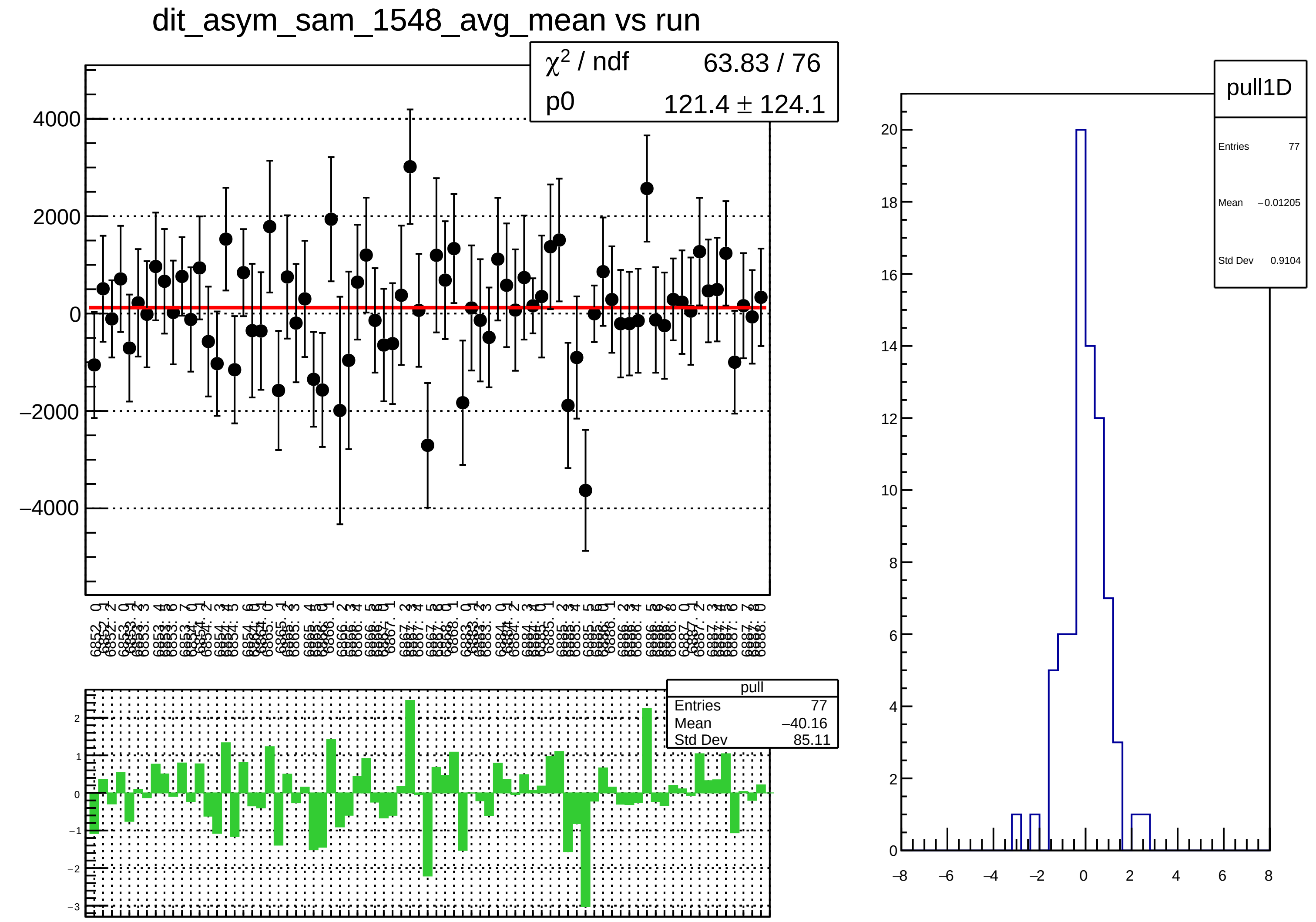


asym_sam_26_48_dd_correction_rms vs run
$\chi^2$ / ndf 8.193e+04 / 76
p0 575.8 ± 0.4651
900
800
700
600
500
400



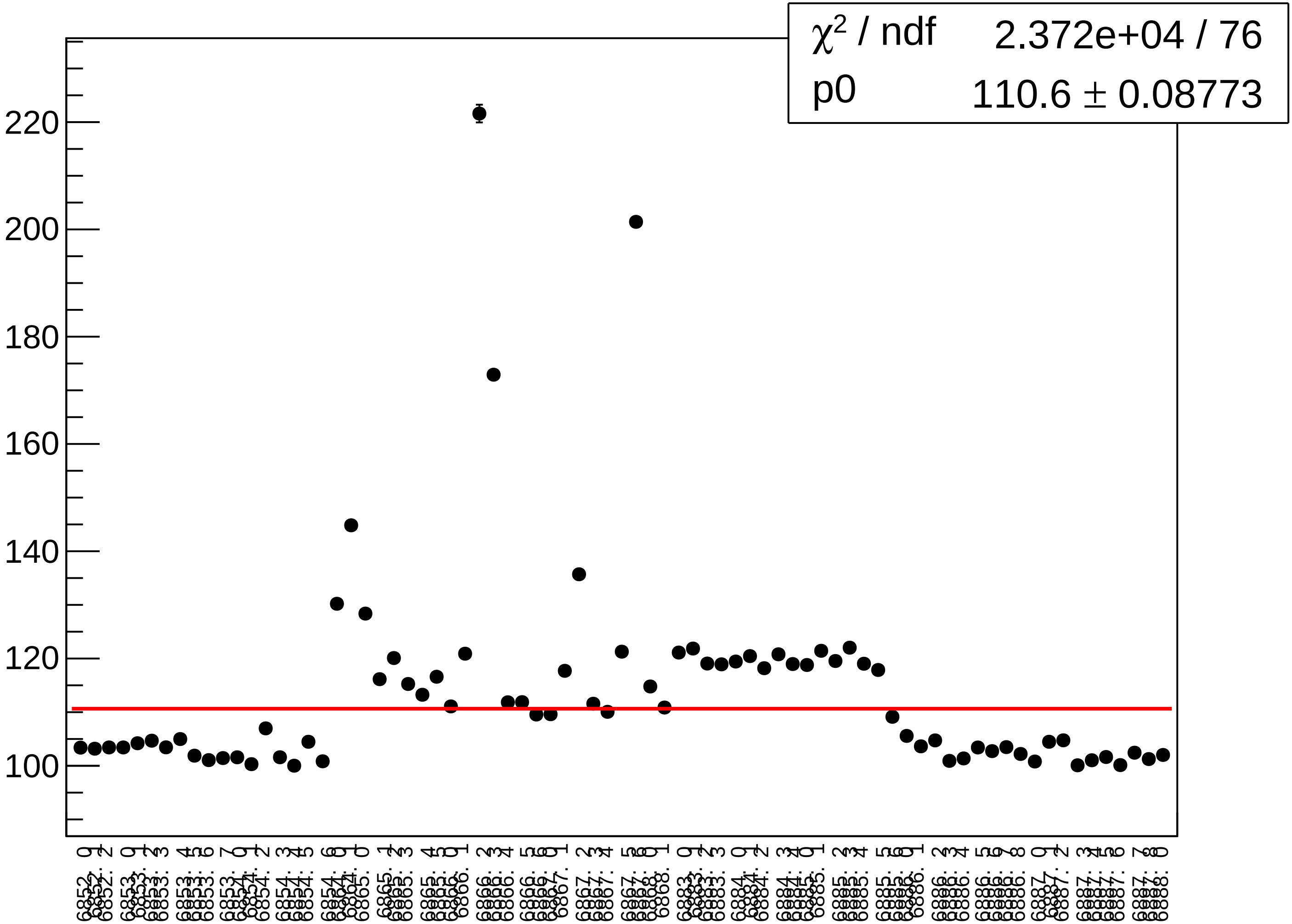
asym_sam_26_48_dd_mean vs run
$\chi^2$ / ndf 71.84 / 76
p0 −764.9 ± 637.5
20000
10000
0
−10000
−20000
pull
Entries 77
Mean 83.31
Std Dev 54.41
pull1D
Entries 77
Mean 0.02974
Std Dev 0.9655

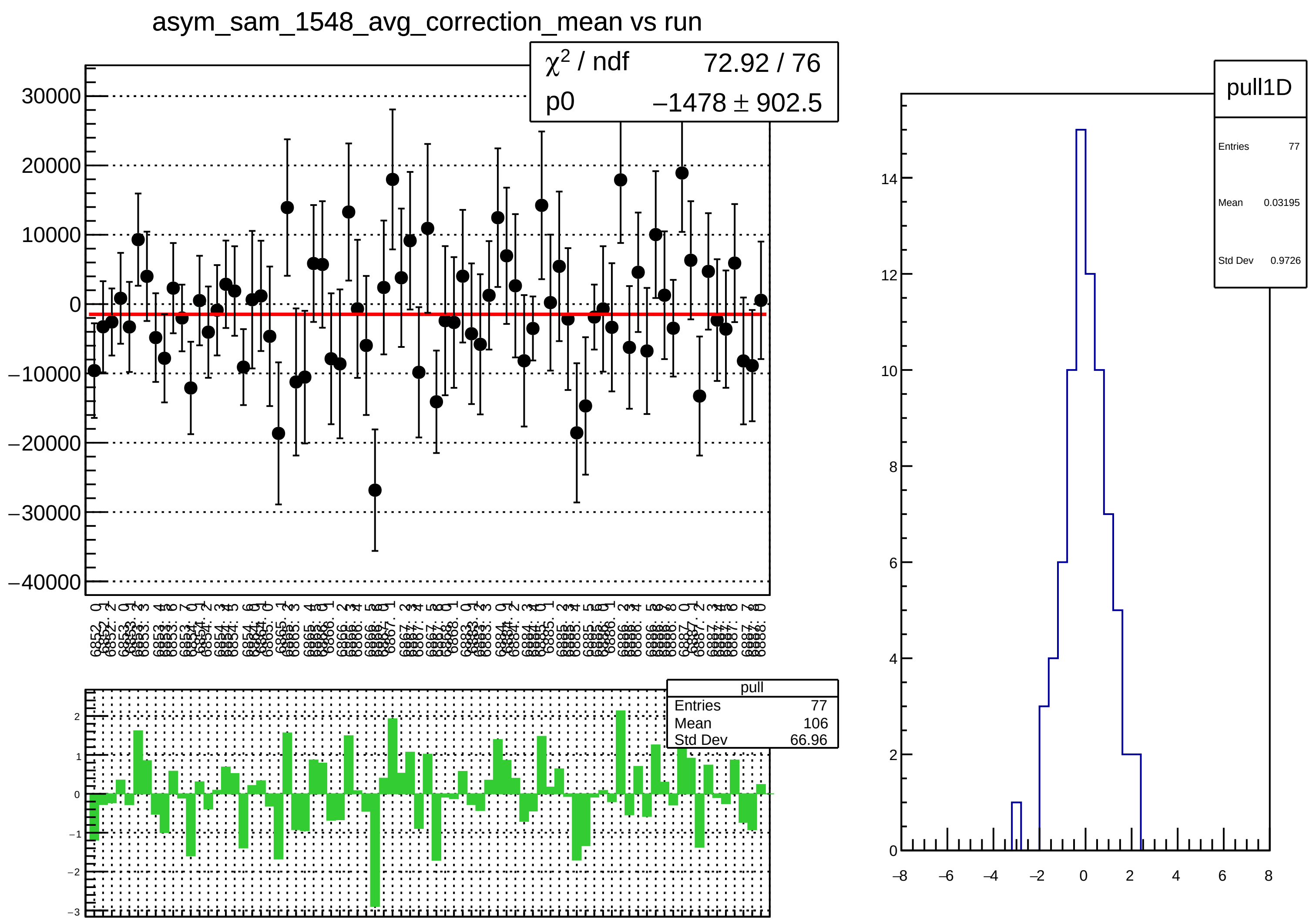

asym_sam_26_48_dd_rms vs run
χ2 / ndf 8.057e+04 / 76
p0 558.3 ± 0.4508
900
800
700
600
500
400



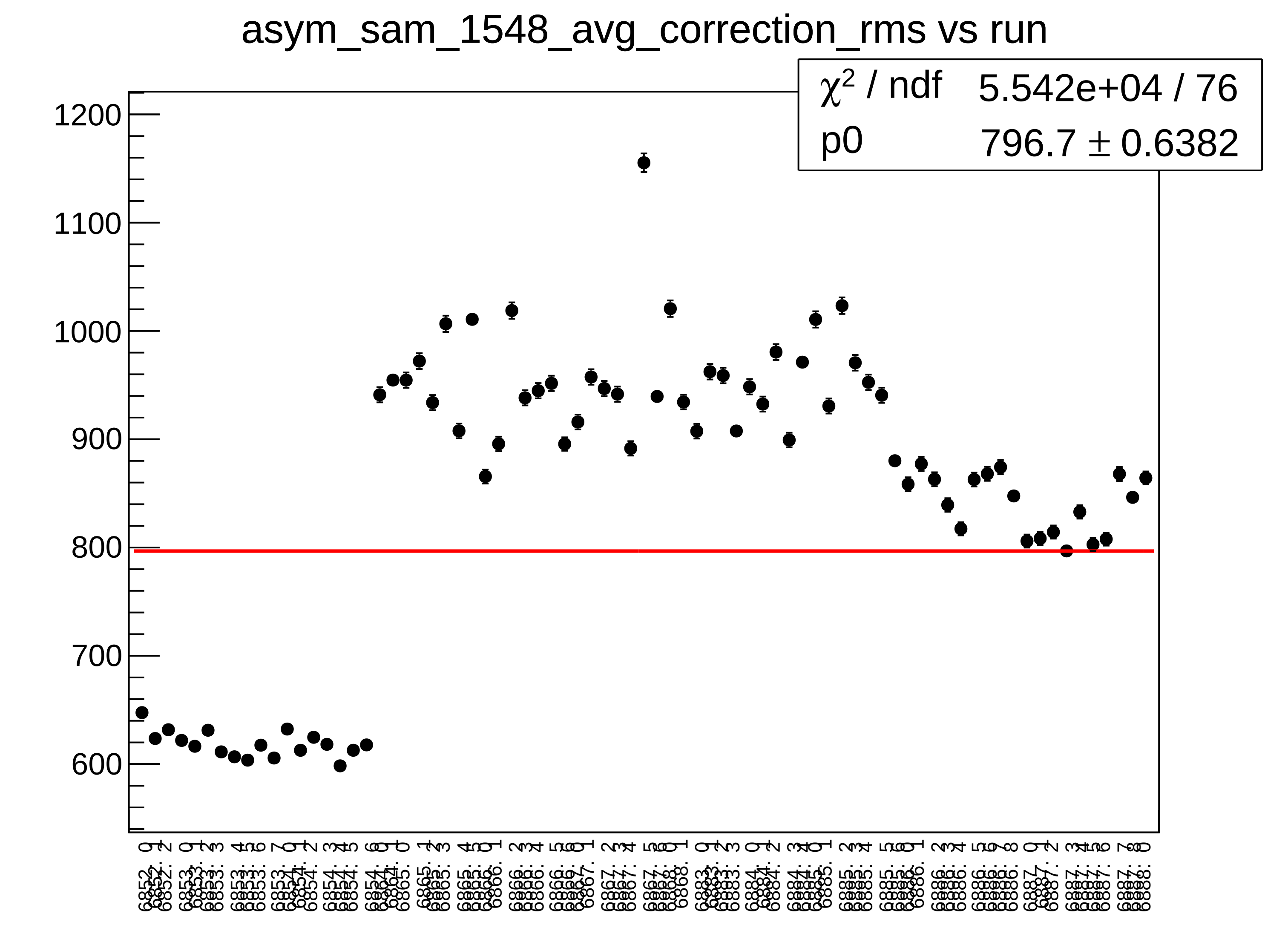
dit_asym_sam_1548_avg_mean vs run
$\chi^2$ / ndf 63.83 / 76
p0 121.4 ± 124.1
pull
Entries 77
Mean −40.16
Std Dev 85.11
pull1D
Entries 77
Mean −0.01205
Std Dev 0.9104

# dit_asym_sam_1548_avg_rms vs run



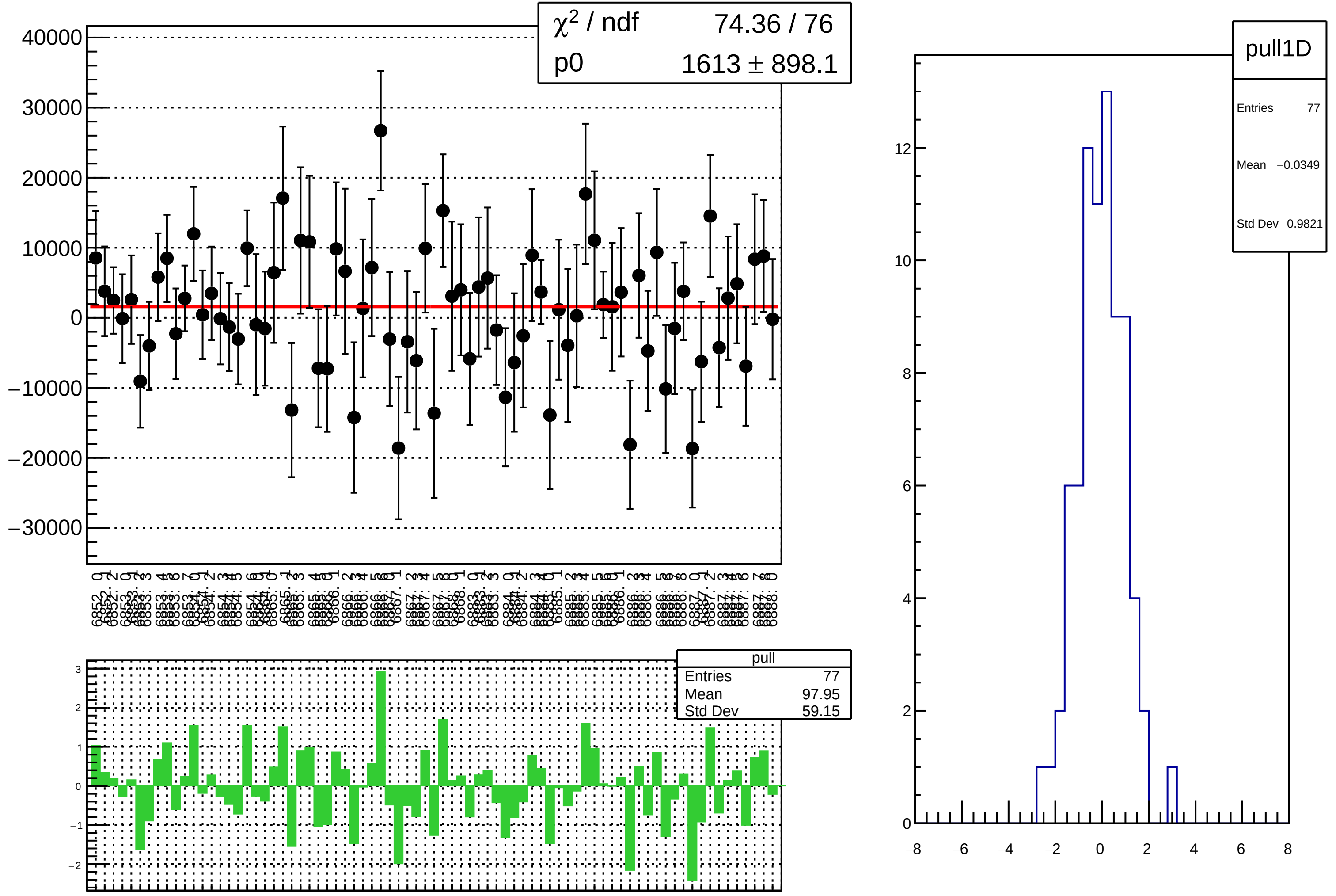


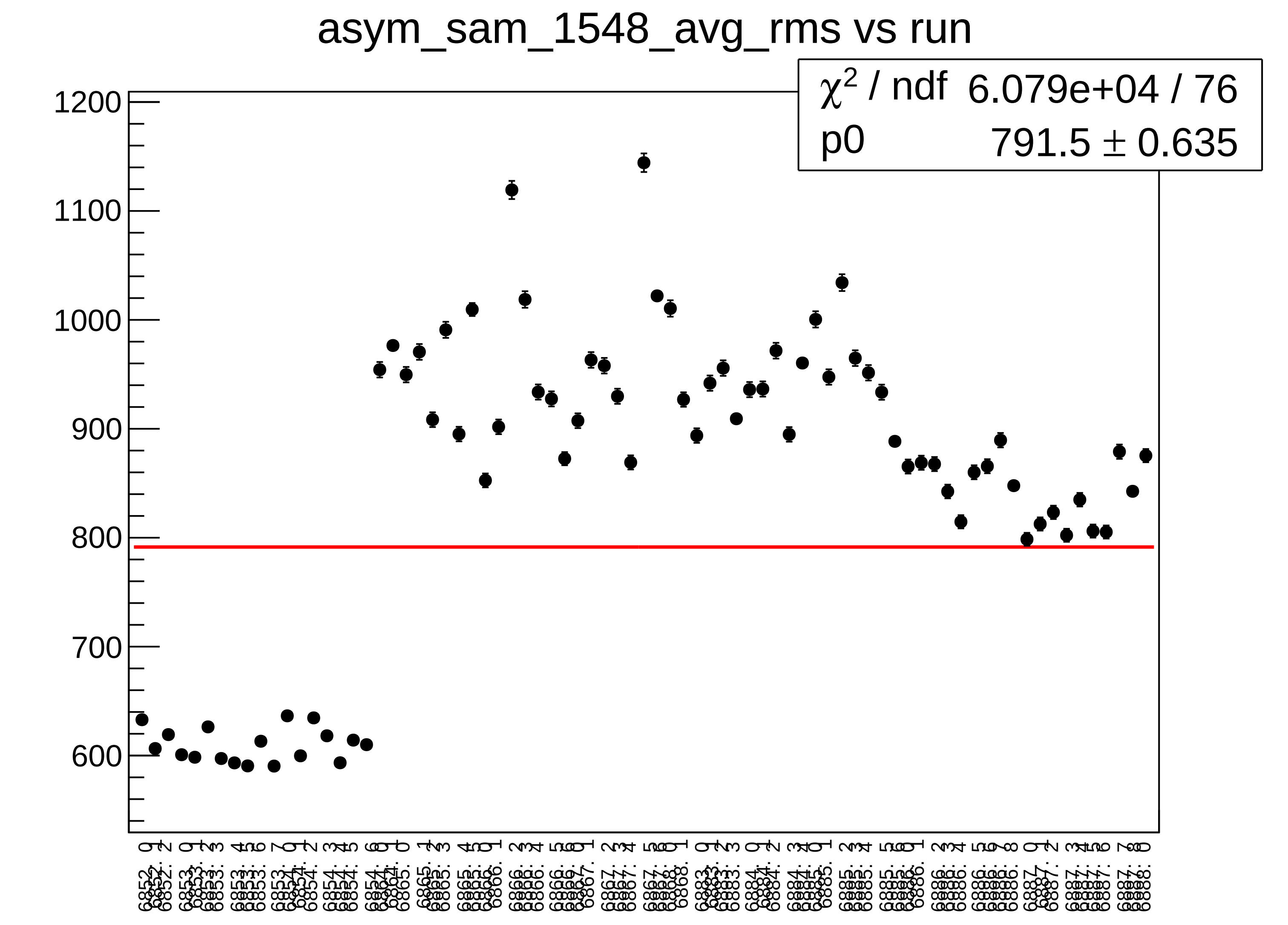
asym_sam_1548_avg_correction_mean vs run
χ2 / ndf 72.92 / 76
p0 −1478 ± 902.5
pull
Entries 77
Mean 106
Std Dev 66.96
pull1D
Entries 77
Mean 0.03195
Std Dev 0.9726



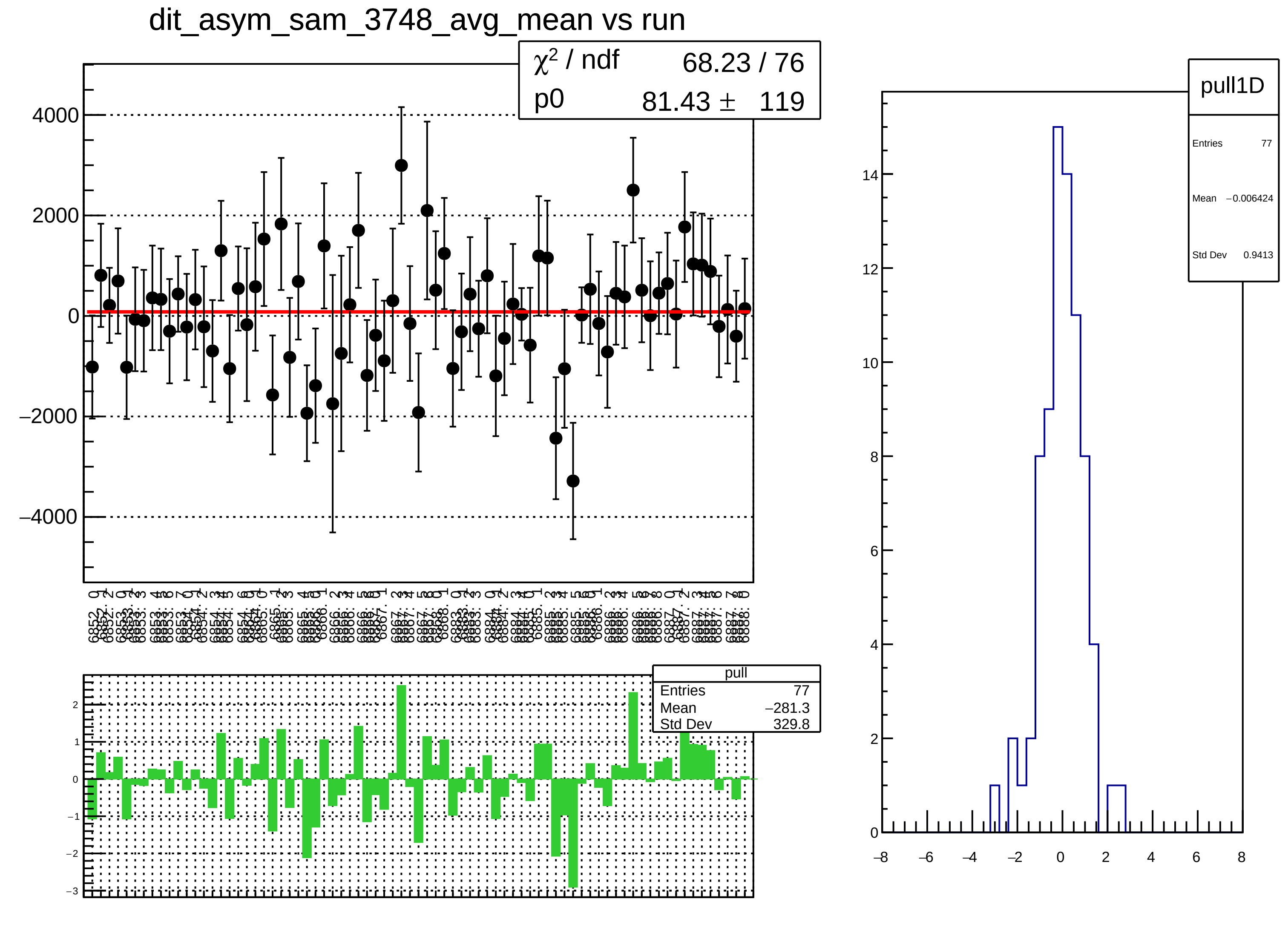
asym_sam_1548_avg_correction_rms vs run
$\chi^2$ / ndf 5.542e+04 / 76
p0 796.7 ± 0.6382
1200
1100
1000
900
800
700
600

# asym_sam_1548_avg_mean vs run

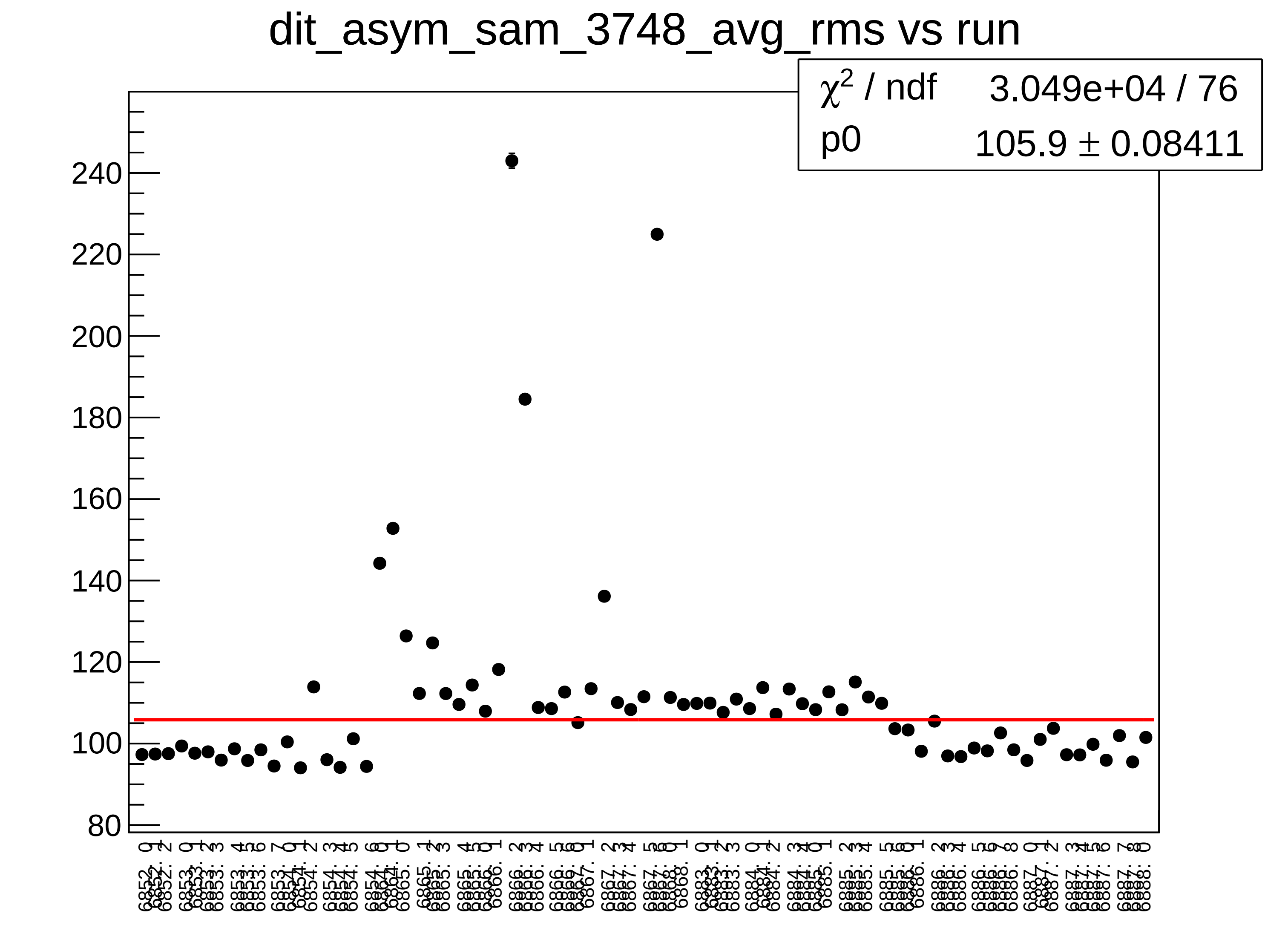




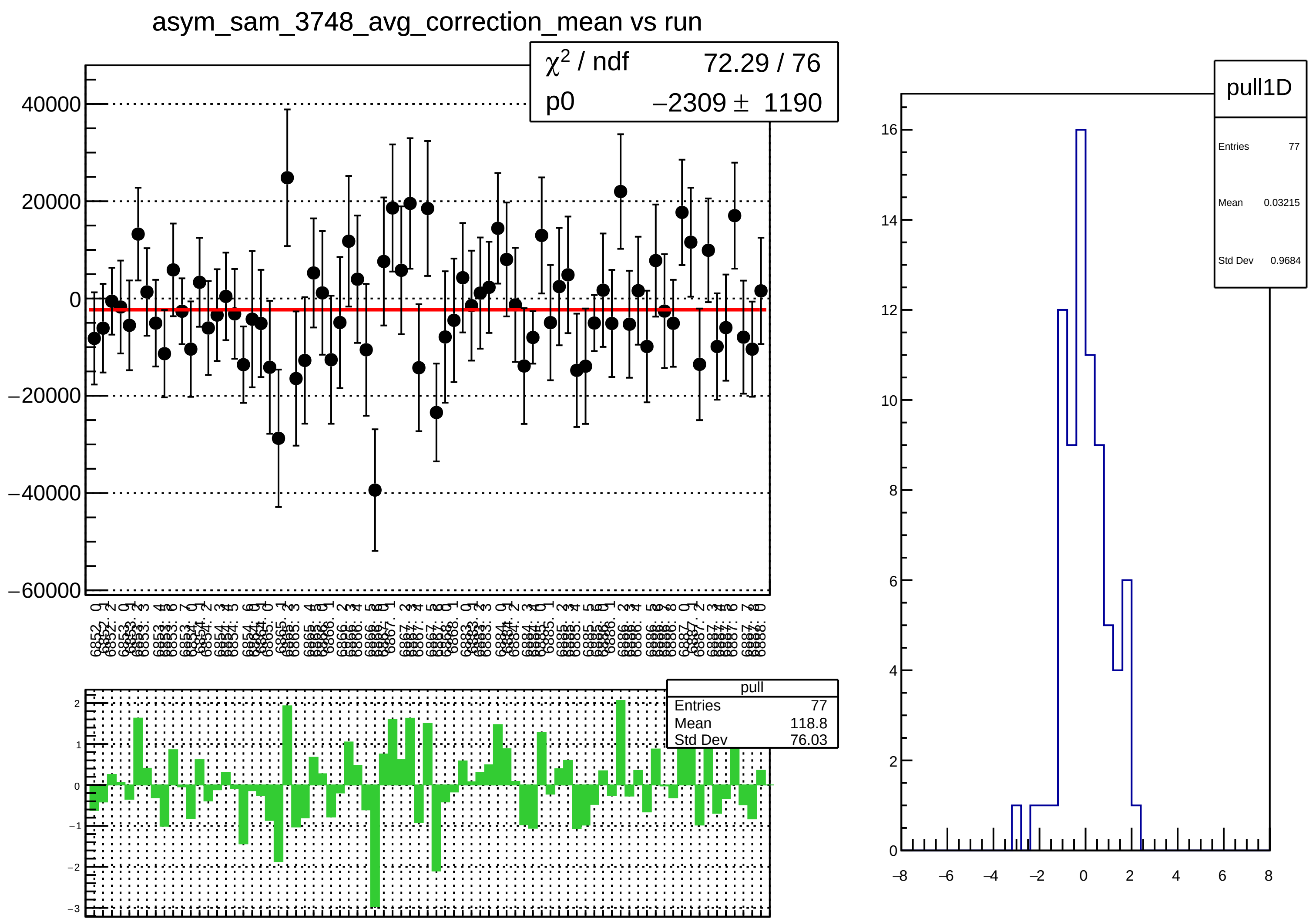
asym_sam_1548_avg_rms vs run
χ2 / ndf 6.079e+04 / 76
p0 791.5 ± 0.635
1200
1100
1000
900
800
700
600



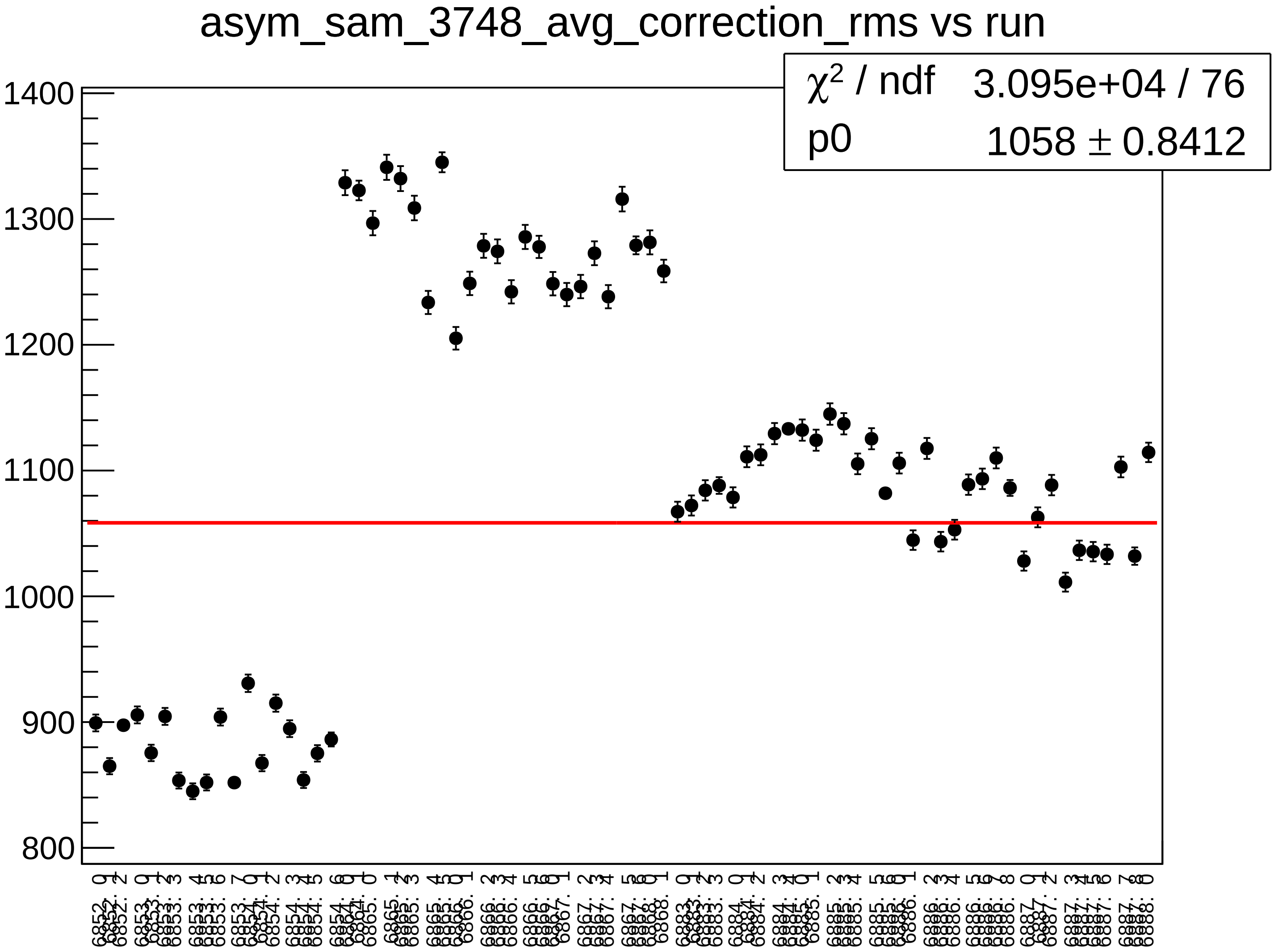
dit_asym_sam_3748_avg_mean vs run
$\chi^2$ / ndf 68.23 / 76
p0 81.43 ± 119
4000
2000
0
−2000
−4000
pull
Entries 77
Mean −281.3
Std Dev 329.8
pull1D
Entries 77
Mean −0.006424
Std Dev 0.9413

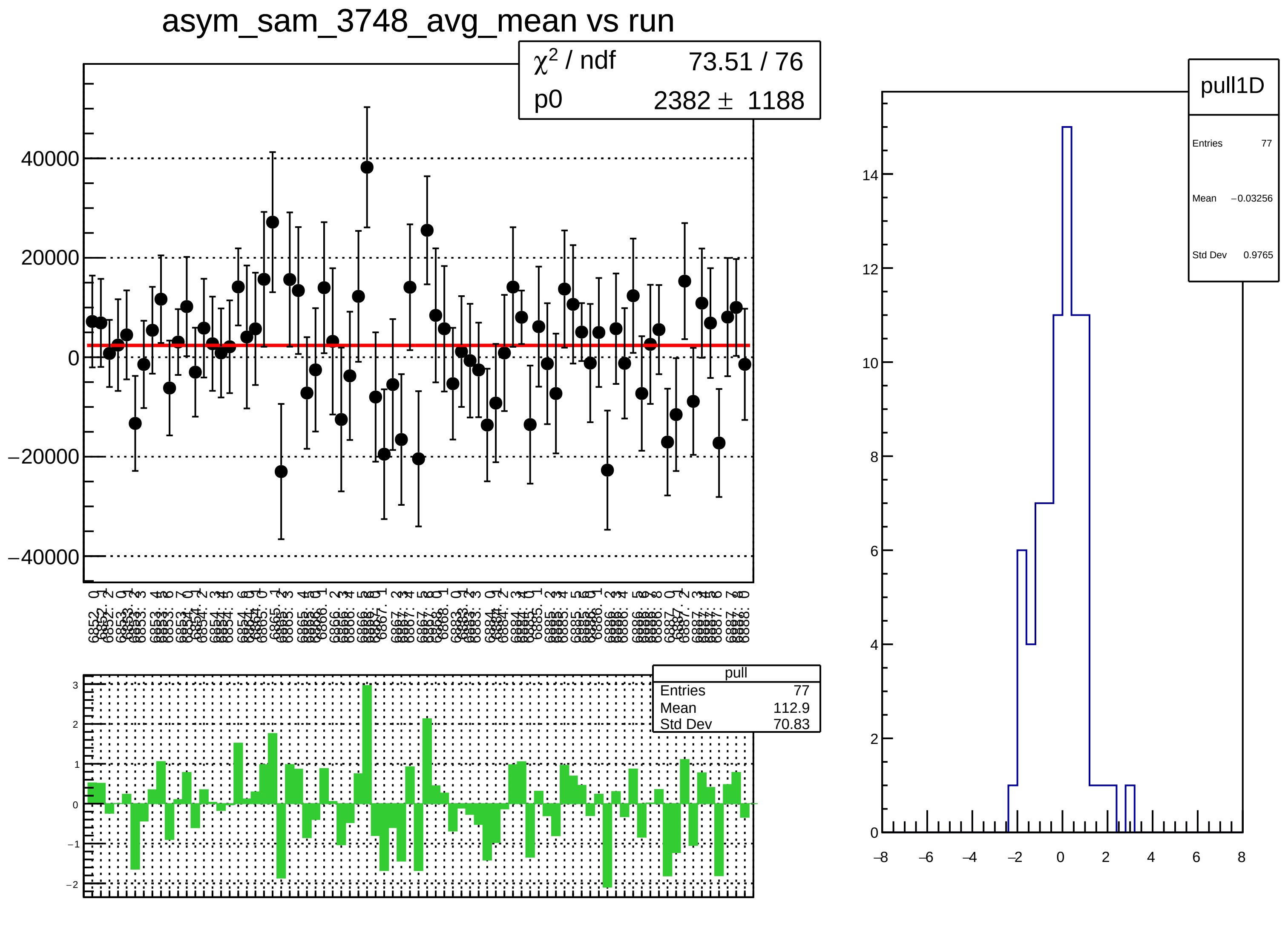


dit_asym_sam_3748_avg_rms vs run
$\chi^2$ / ndf 3.049e+04 / 76
p0 105.9 ± 0.08411
240
220
200
180
160
140
120
100
80

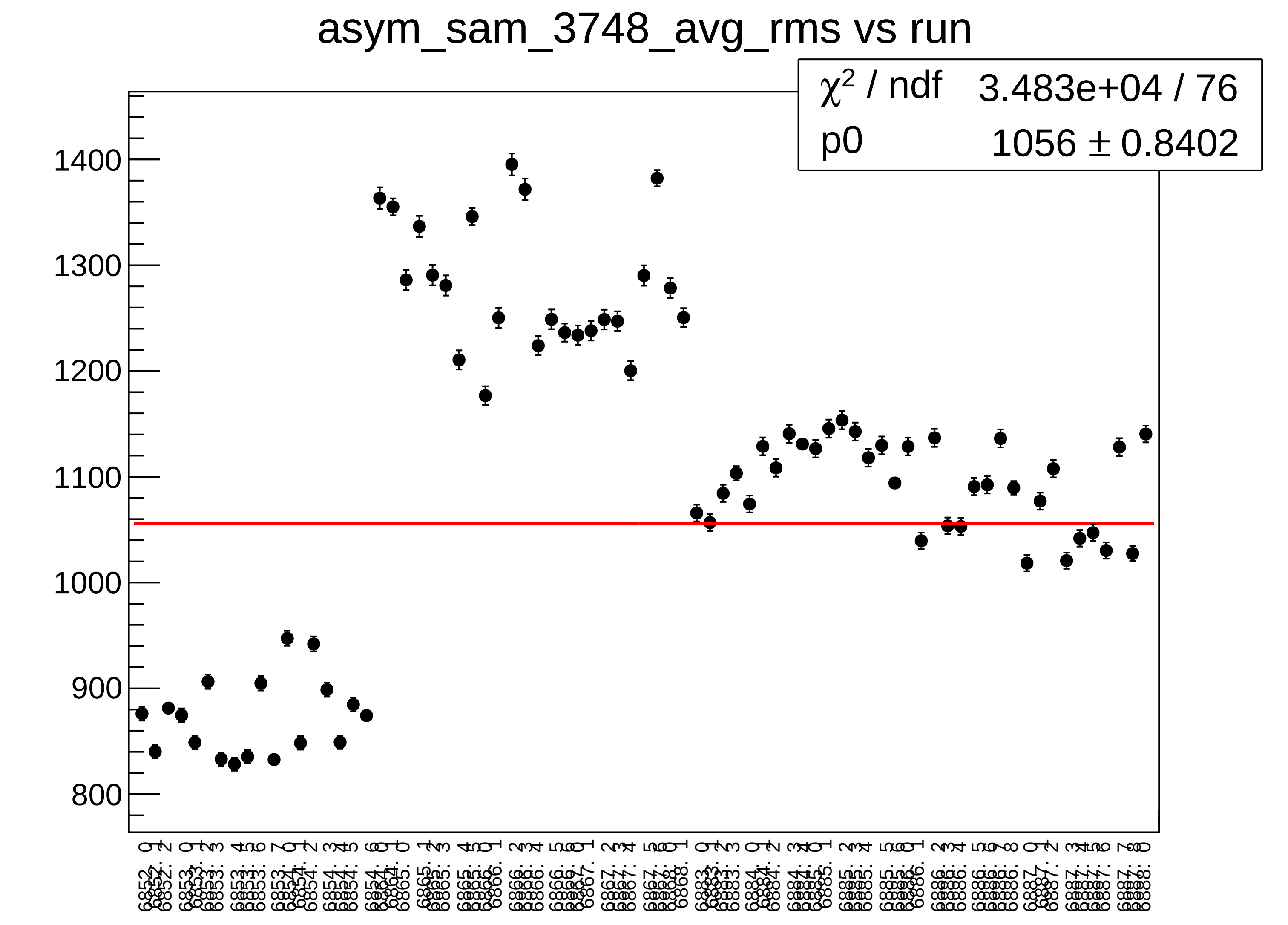


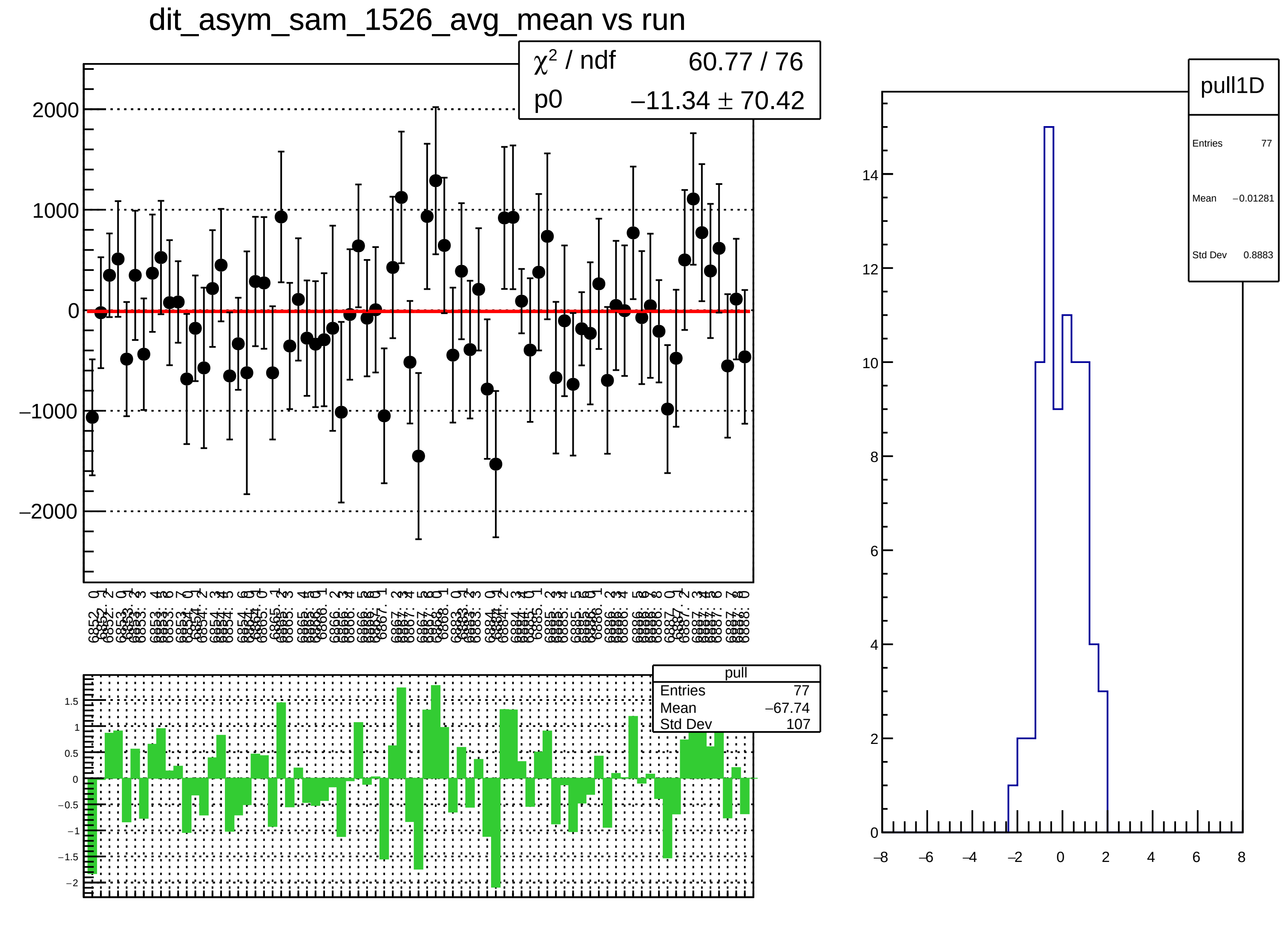
asym_sam_3748_avg_correction_mean vs run
$\chi^2$ / ndf 72.29 / 76
p0 −2309 ± 1190
pull
Entries 77
Mean 118.8
Std Dev 76.03
pull1D
Entries 77
Mean 0.03215
Std Dev 0.9684


asym_sam_3748_avg_correction_rms vs run
$\chi^2$ / ndf 3.095e+04 / 76
p0 1058 ± 0.8412
1400
1300
1200
1100
1000
900
800

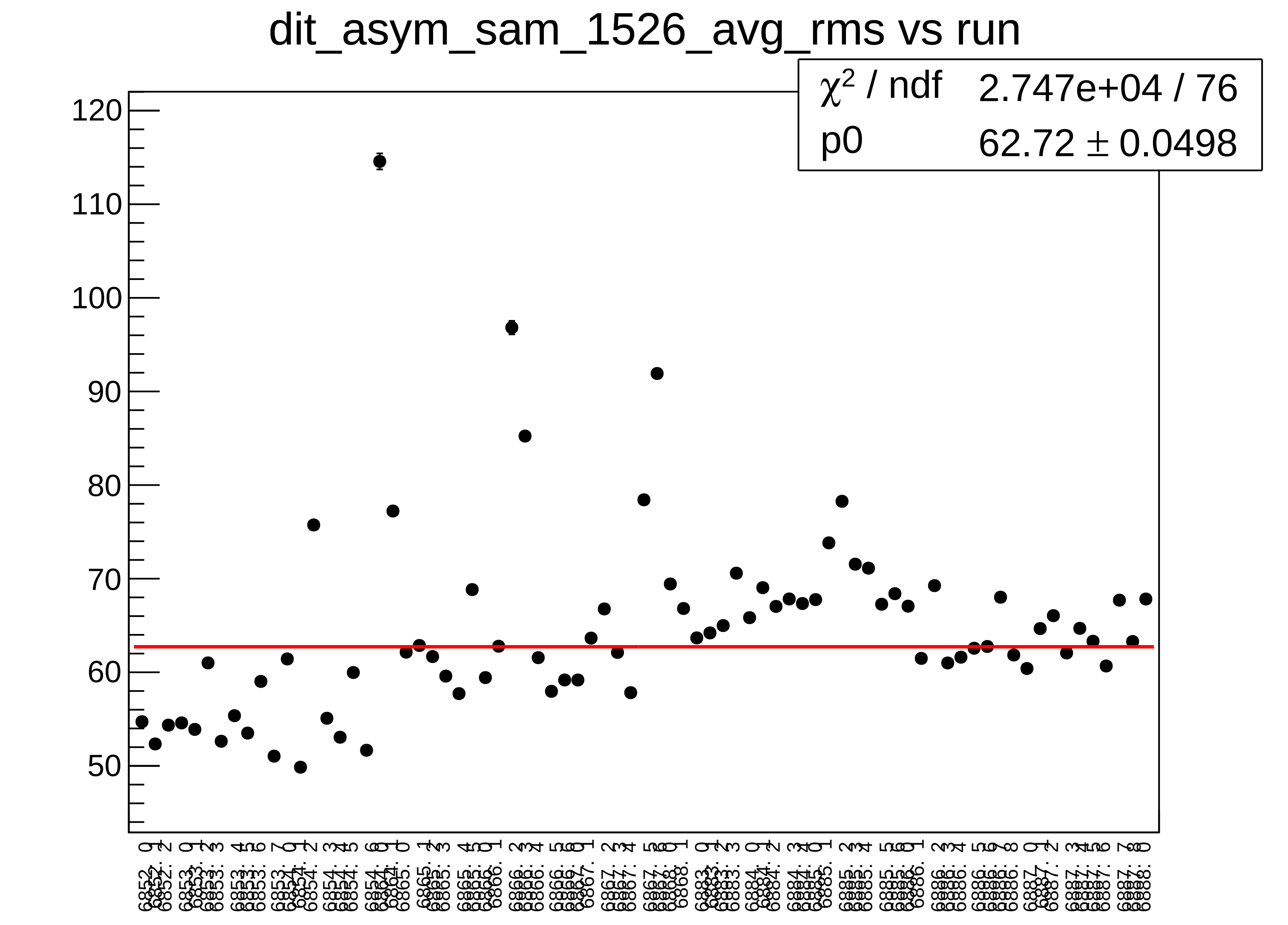


asym_sam_3748_avg_mean vs run
$\chi^2$ / ndf 73.51 / 76
p0 2382 ± 1188
pull
Entries 77
Mean 112.9
Std Dev 70.83
pull1D
Entries 77
Mean −0.03256
Std Dev 0.9765

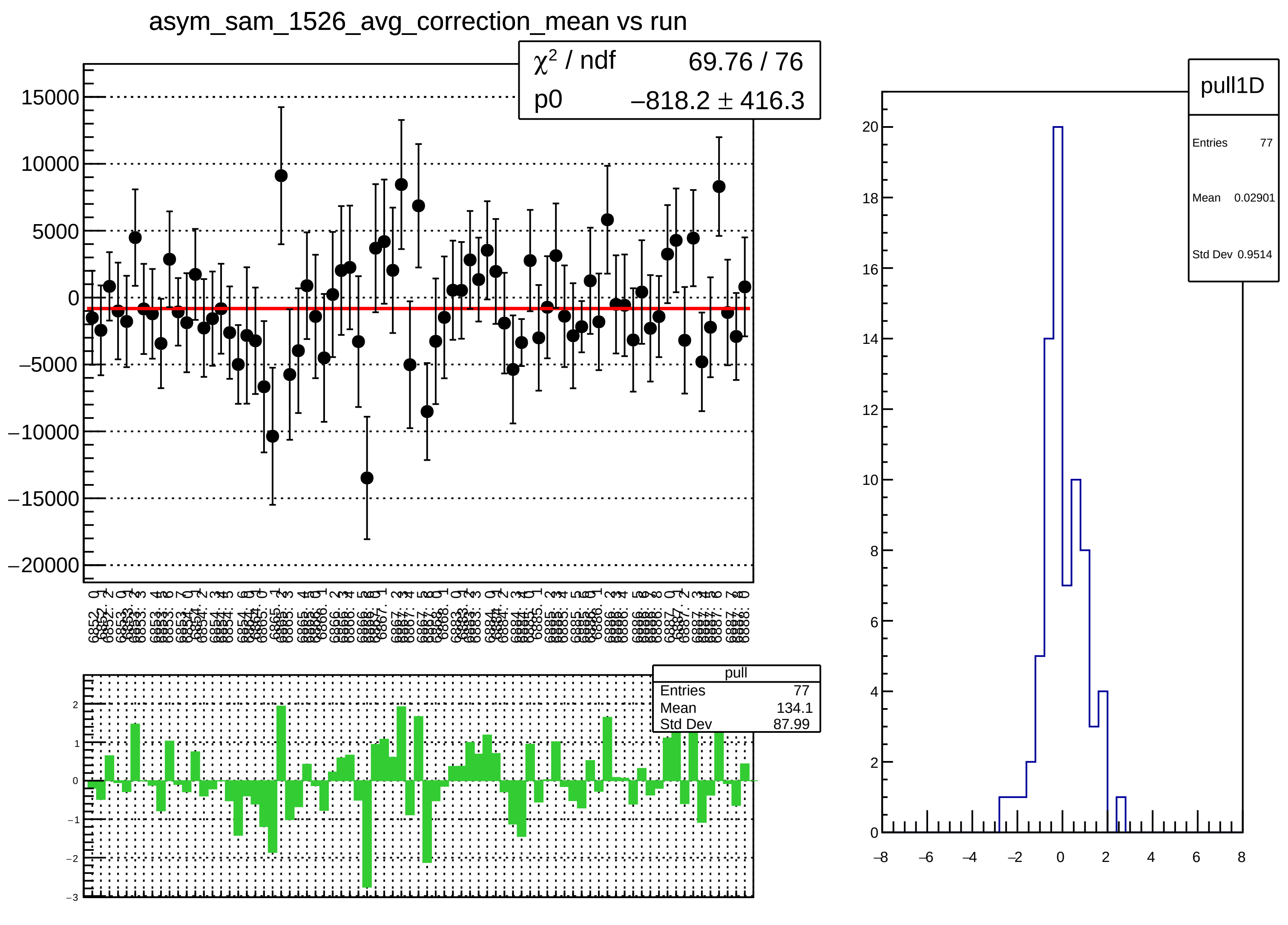

asym_sam_3748_avg_rms vs run
χ2 / ndf 3.483e+04 / 76
p0 1056 ± 0.8402
1400
1300
1200
1100
1000
900
800



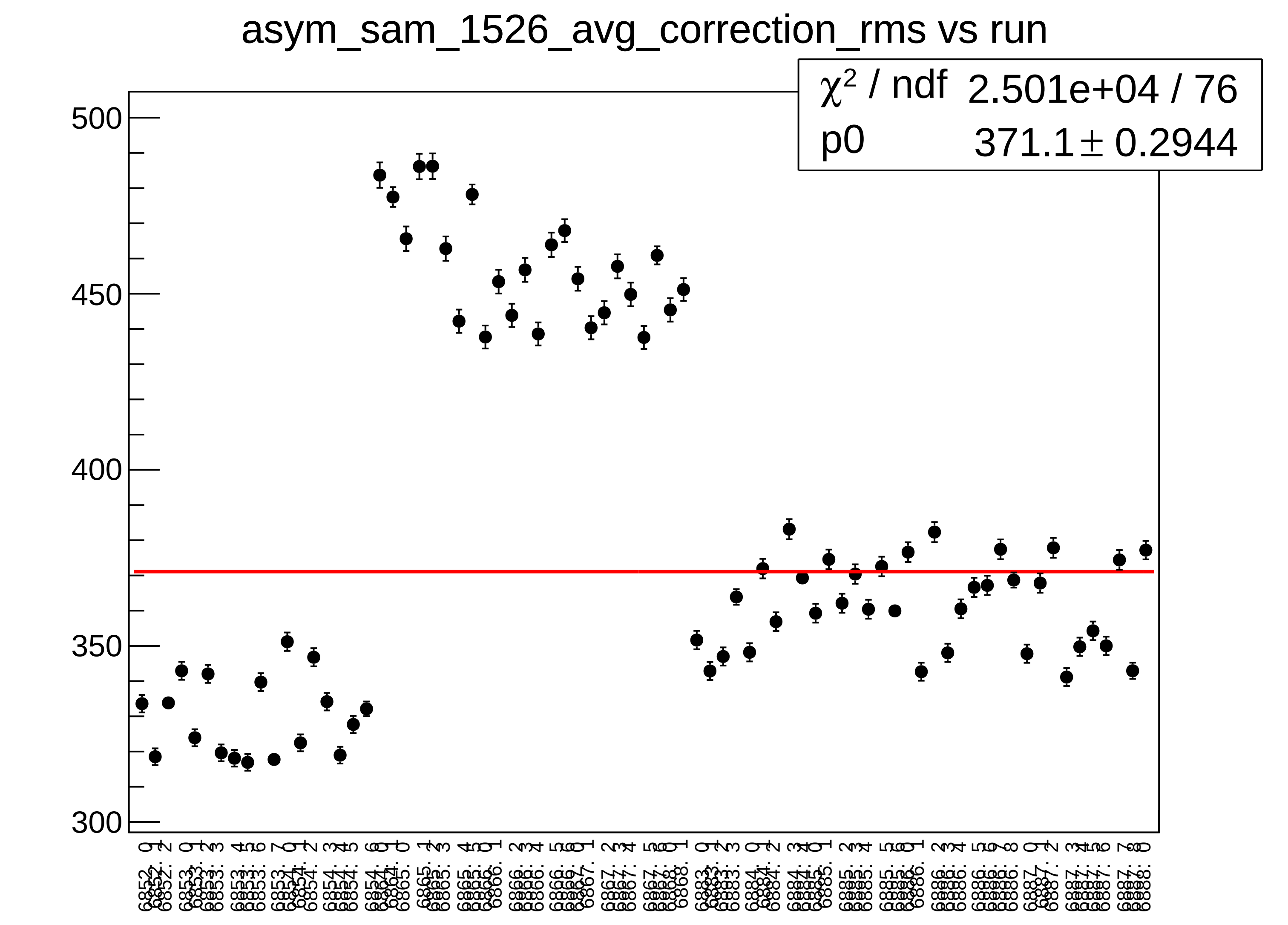
dit_asym_sam_1526_avg_mean vs run
$\chi^2$ / ndf 60.77 / 76
p0 −11.34 ± 70.42
pull
Entries 77
Mean −67.74
Std Dev 107
pull1D
Entries 77
Mean −0.01281
Std Dev 0.8883

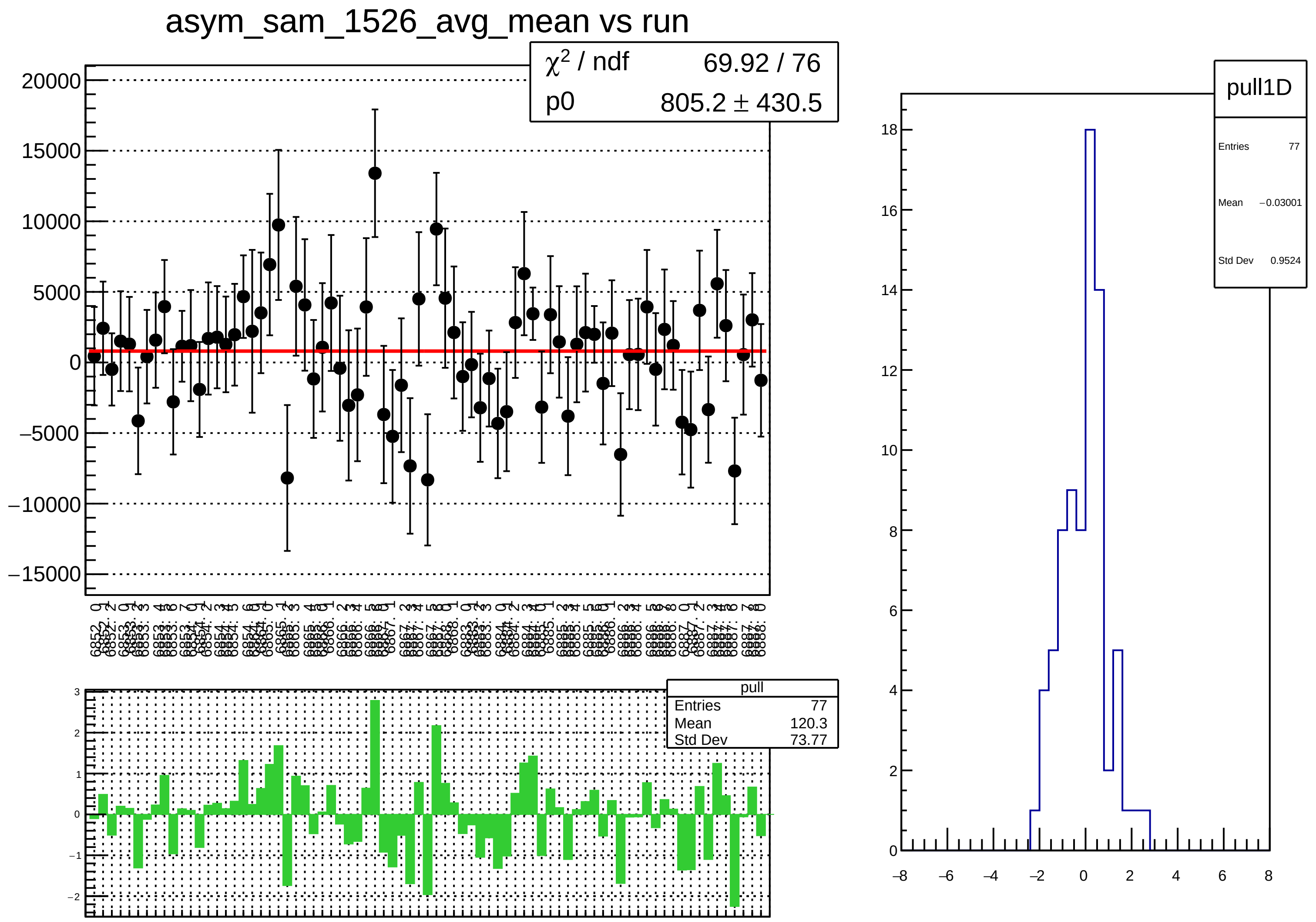


dit_asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 2.747e+04 / 76
p0 62.72 ± 0.0498

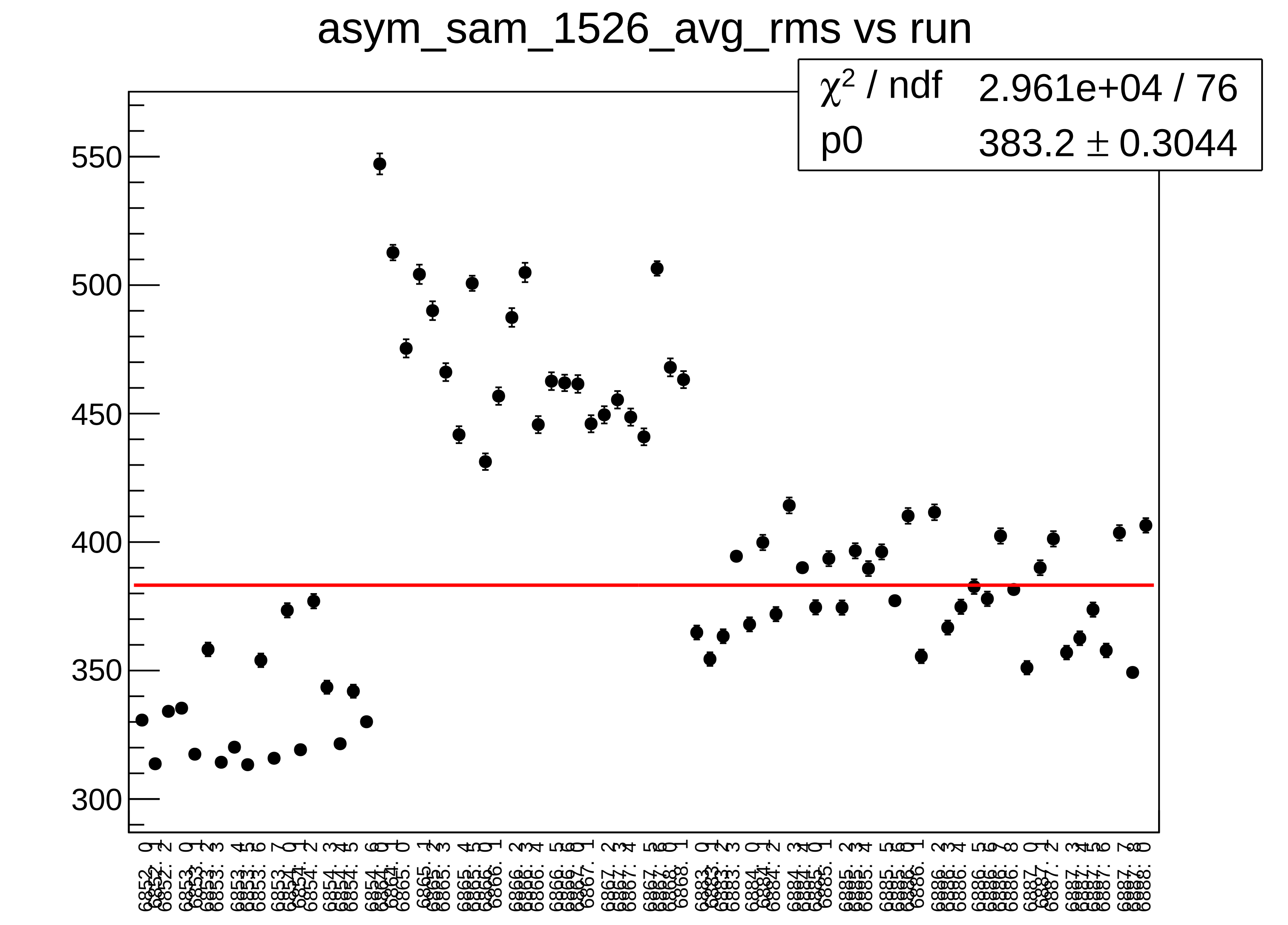


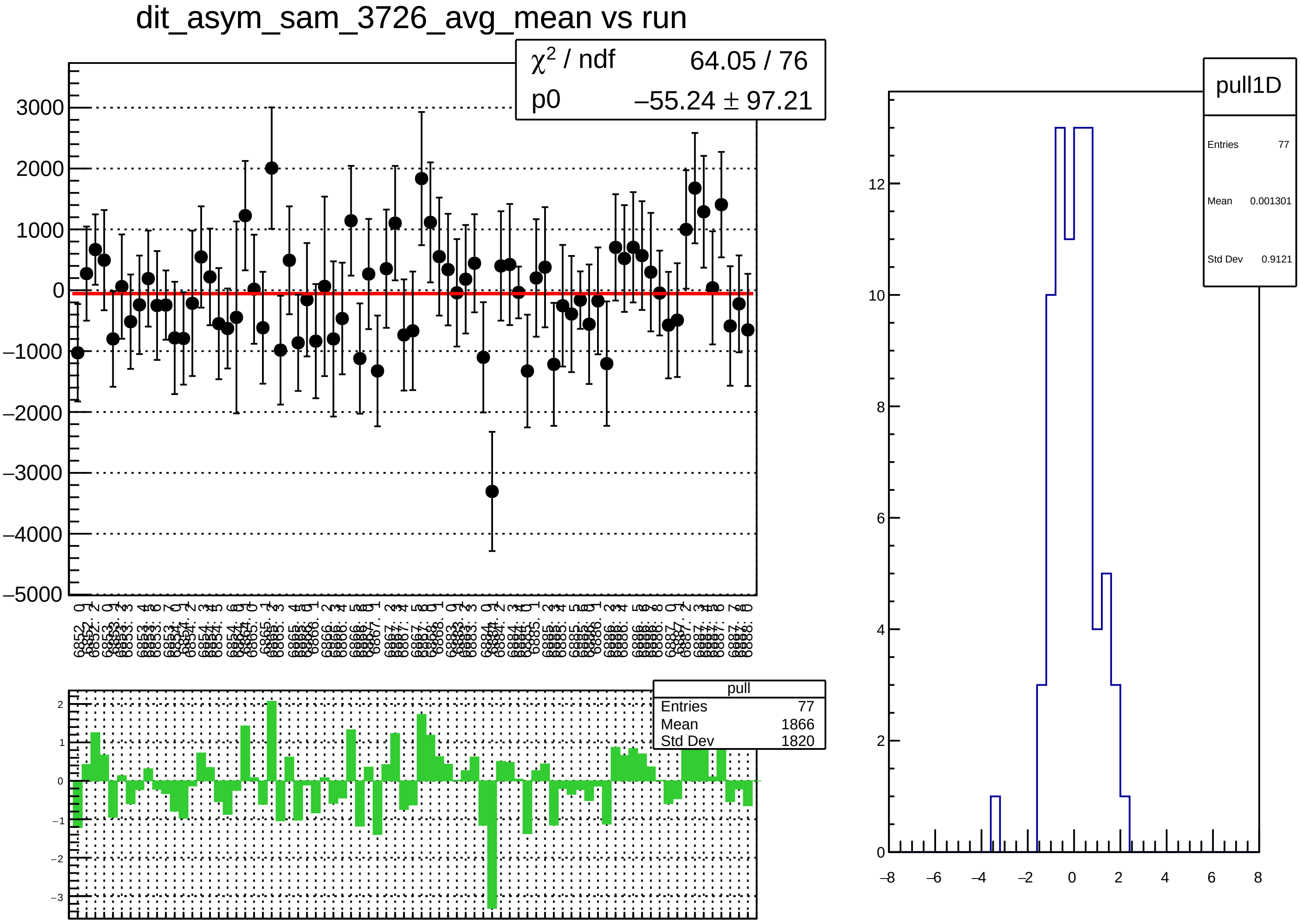
asym_sam_1526_avg_correction_mean vs run
$\chi^2$ / ndf 69.76 / 76
p0 −818.2 ± 416.3
pull
Entries 77
Mean 134.1
Std Dev 87.99
pull1D
Entries 77
Mean 0.02901
Std Dev 0.9514


asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2.501e+04 / 76
p0 371.1 ± 0.2944
500
450
400
350
300

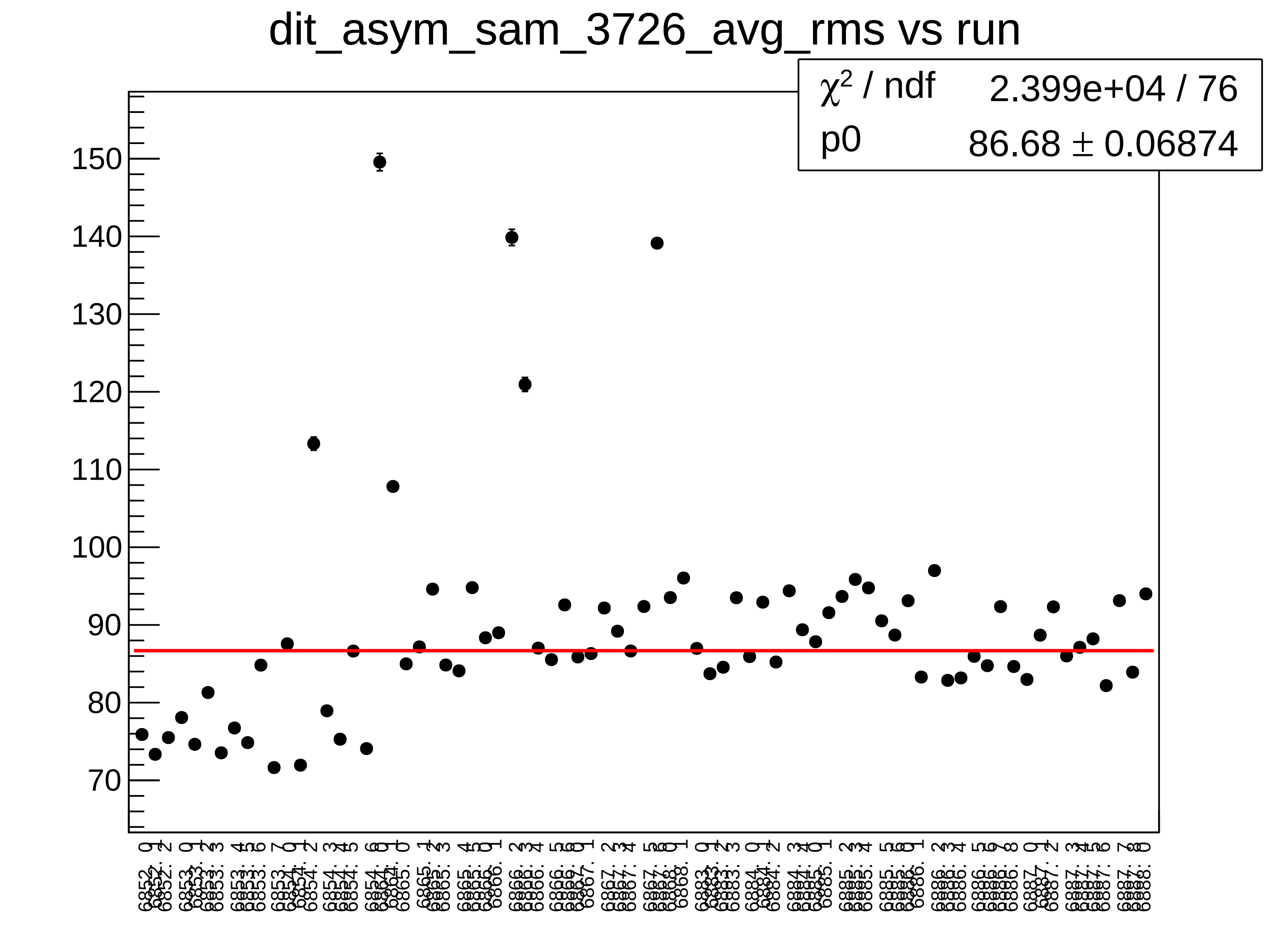


asym_sam_1526_avg_mean vs run
$\chi^2$ / ndf 69.92 / 76
p0 805.2 ± 430.5
pull
Entries 77
Mean 120.3
Std Dev 73.77
pull1D
Entries 77
Mean −0.03001
Std Dev 0.9524

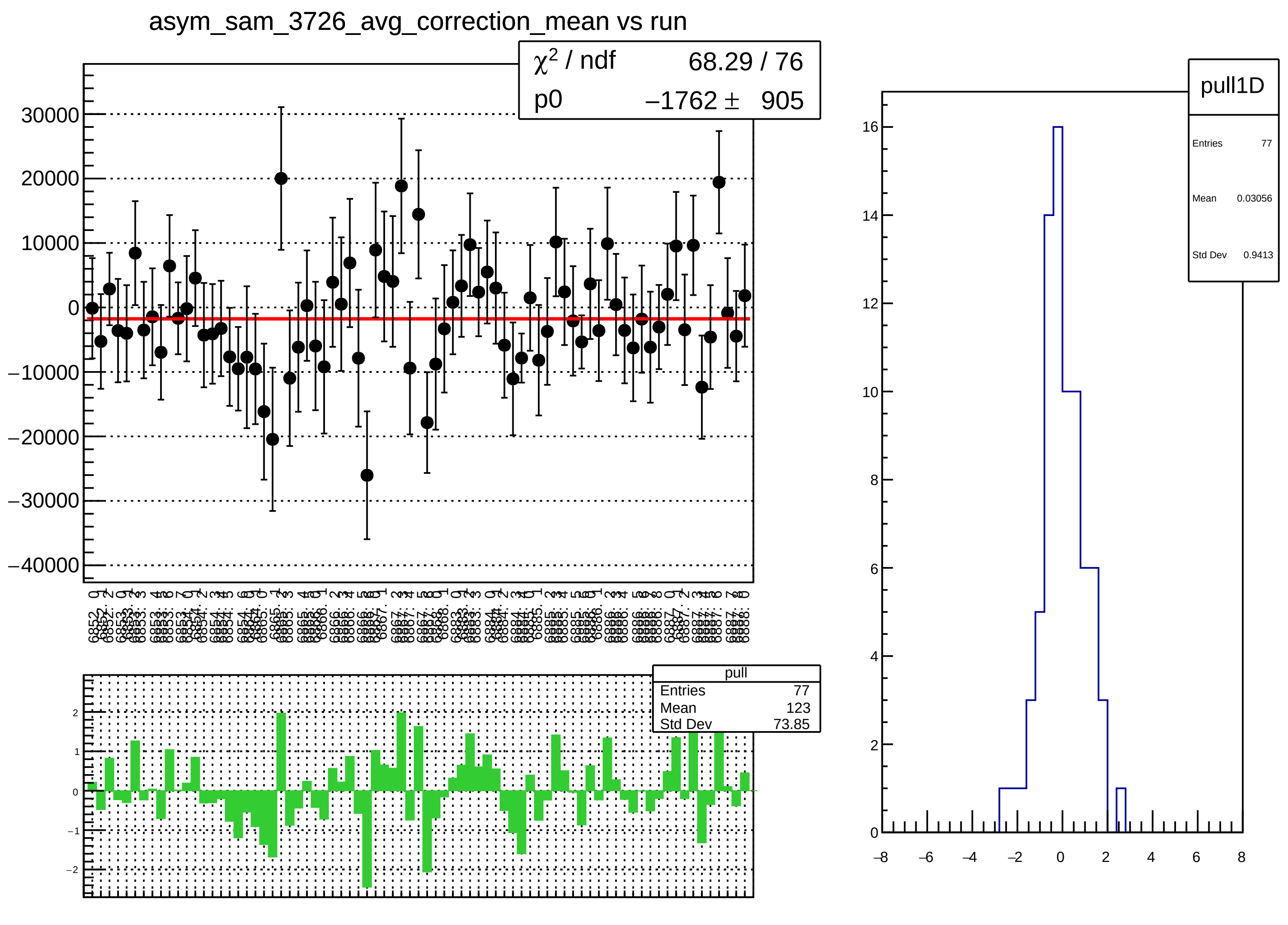

asym_sam_1526_avg_rms vs run
χ2 / ndf 2.961e+04 / 76
p0 383.2 ± 0.3044
550
500
450
400
350
300



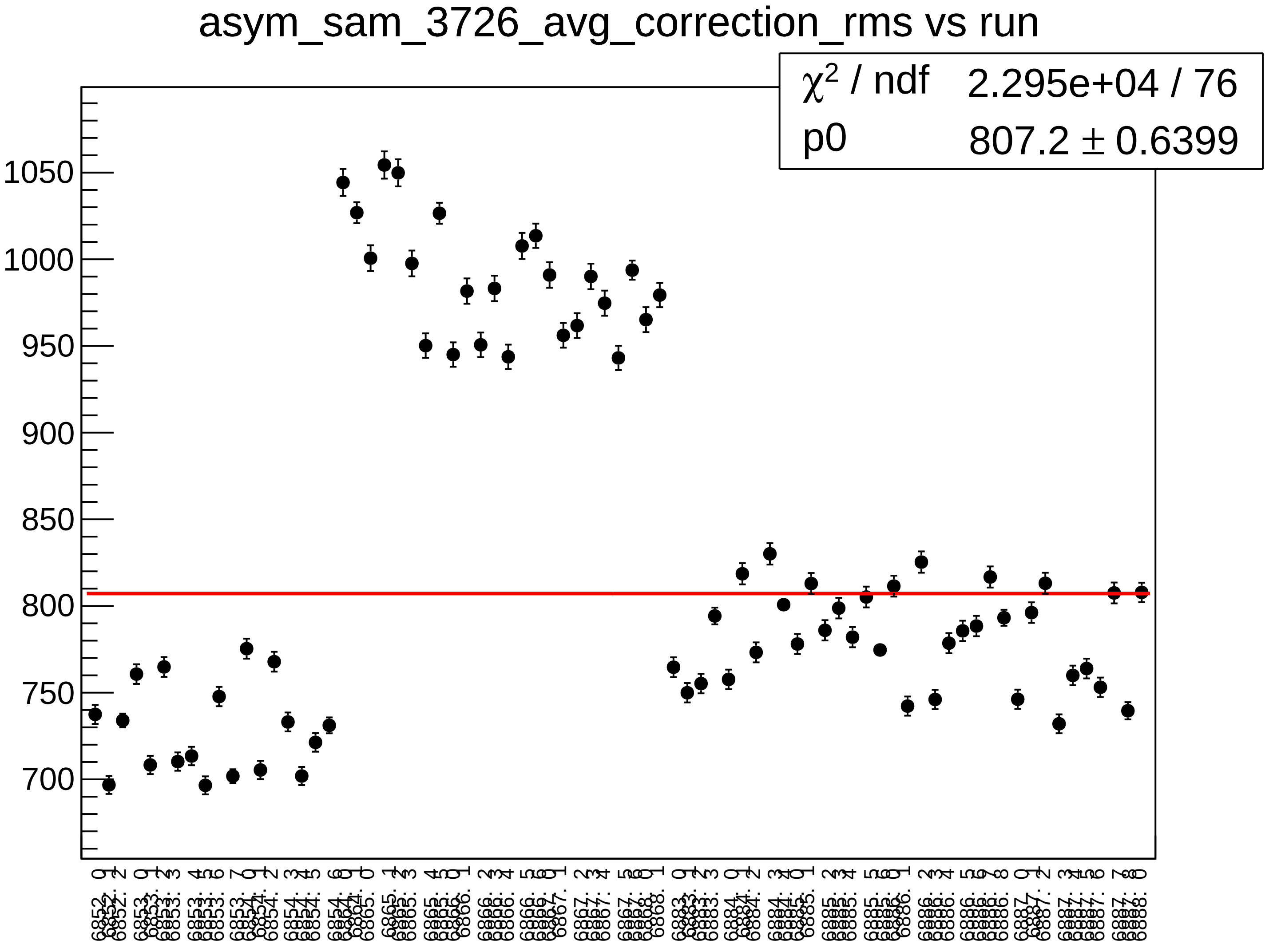
dit_asym_sam_3726_avg_mean vs run
$\chi^2$ / ndf 64.05 / 76
p0 −55.24 ± 97.21
pull
Entries 77
Mean 1866
Std Dev 1820
pull1D
Entries 77
Mean 0.001301
Std Dev 0.9121



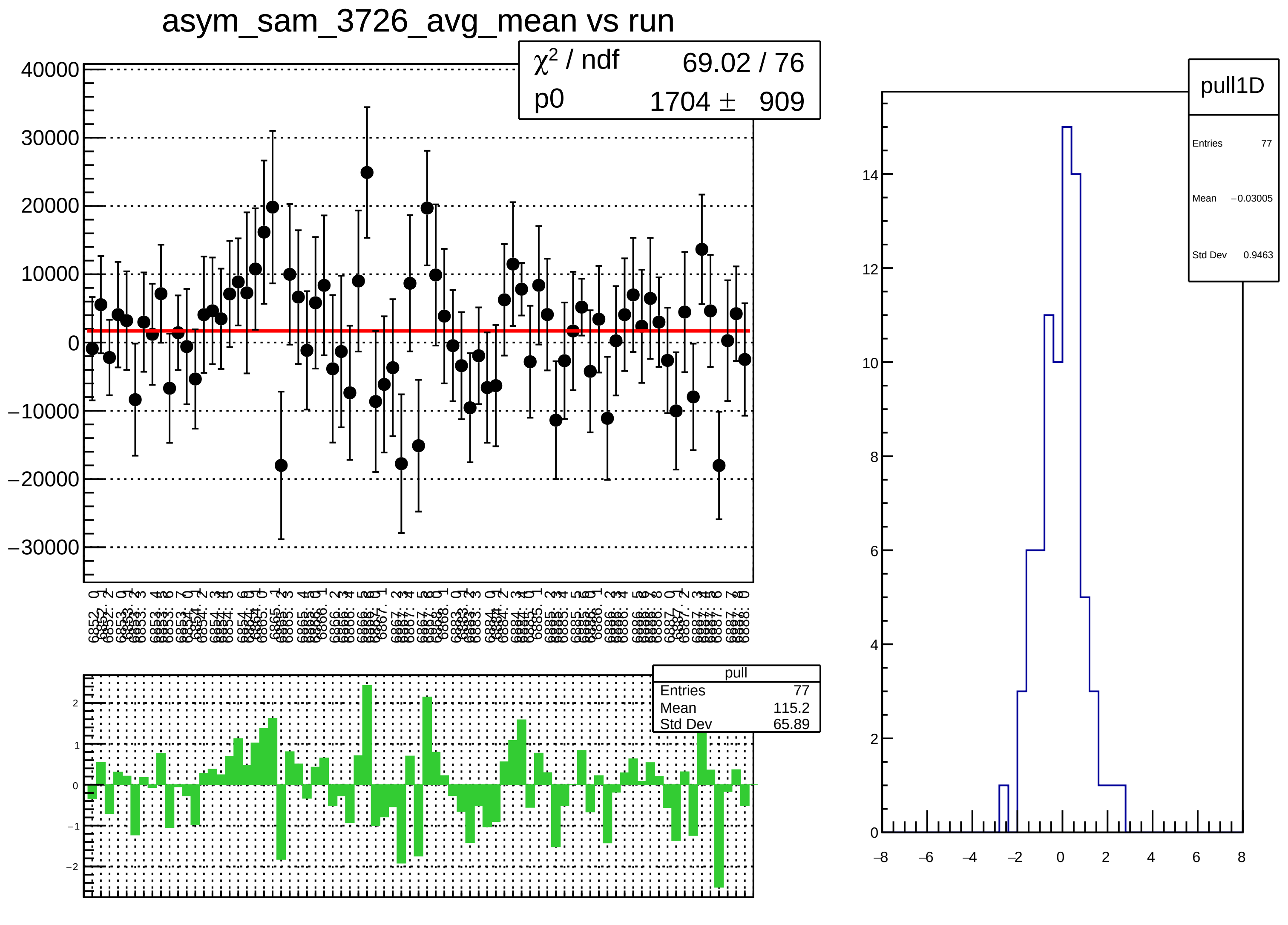
dit_asym_sam_3726_avg_rms vs run
χ2 / ndf 2.399e+04 / 76
p0 86.68 ± 0.06874
150
140
130
120
110
100
90
80
70



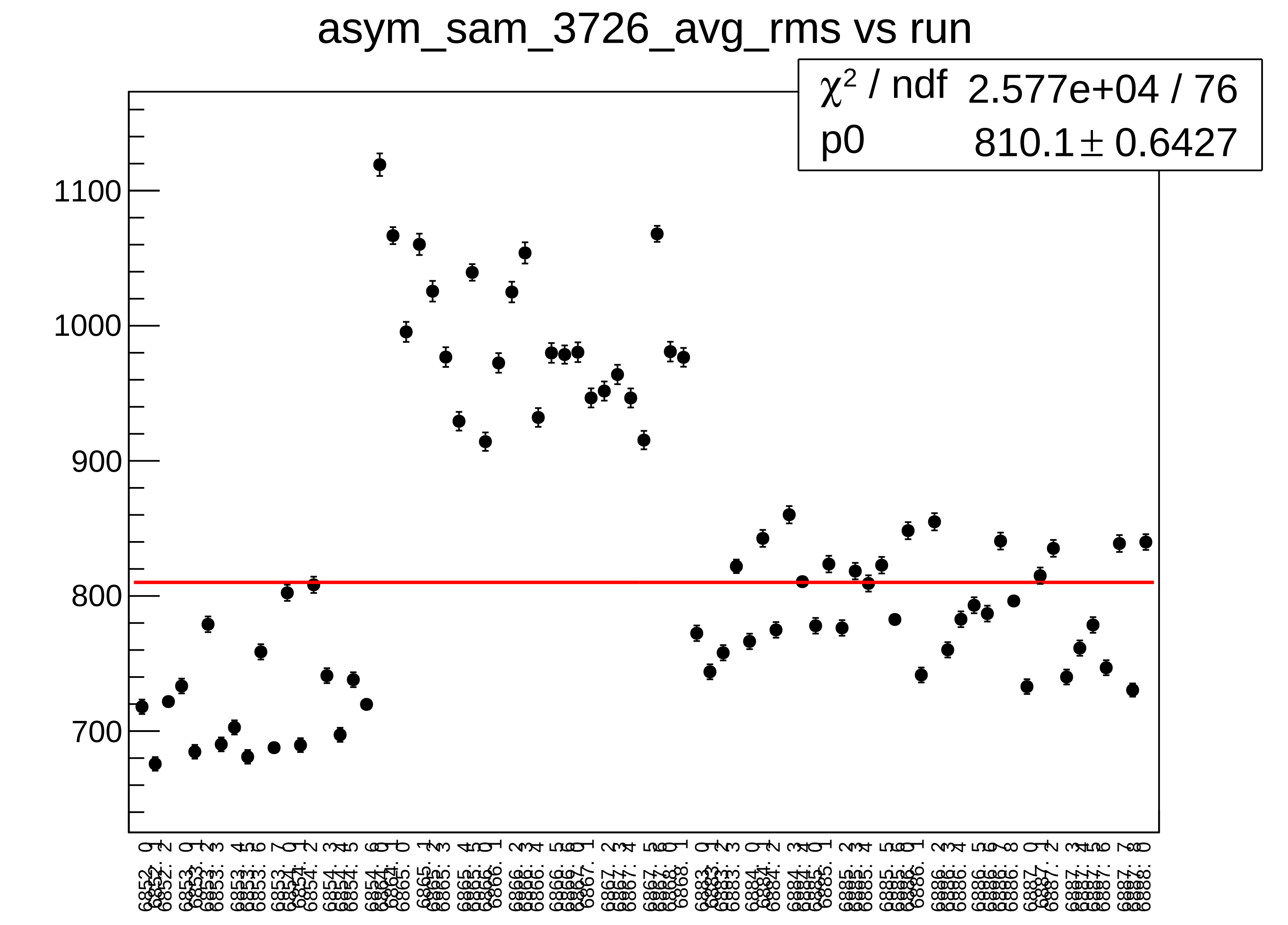
asym_sam_3726_avg_correction_mean vs run
$\chi^2$ / ndf 68.29 / 76
p0 −1762 ± 905
pull
Entries 77
Mean 123
Std Dev 73.85
pull1D
Entries 77
Mean 0.03056
Std Dev 0.9413



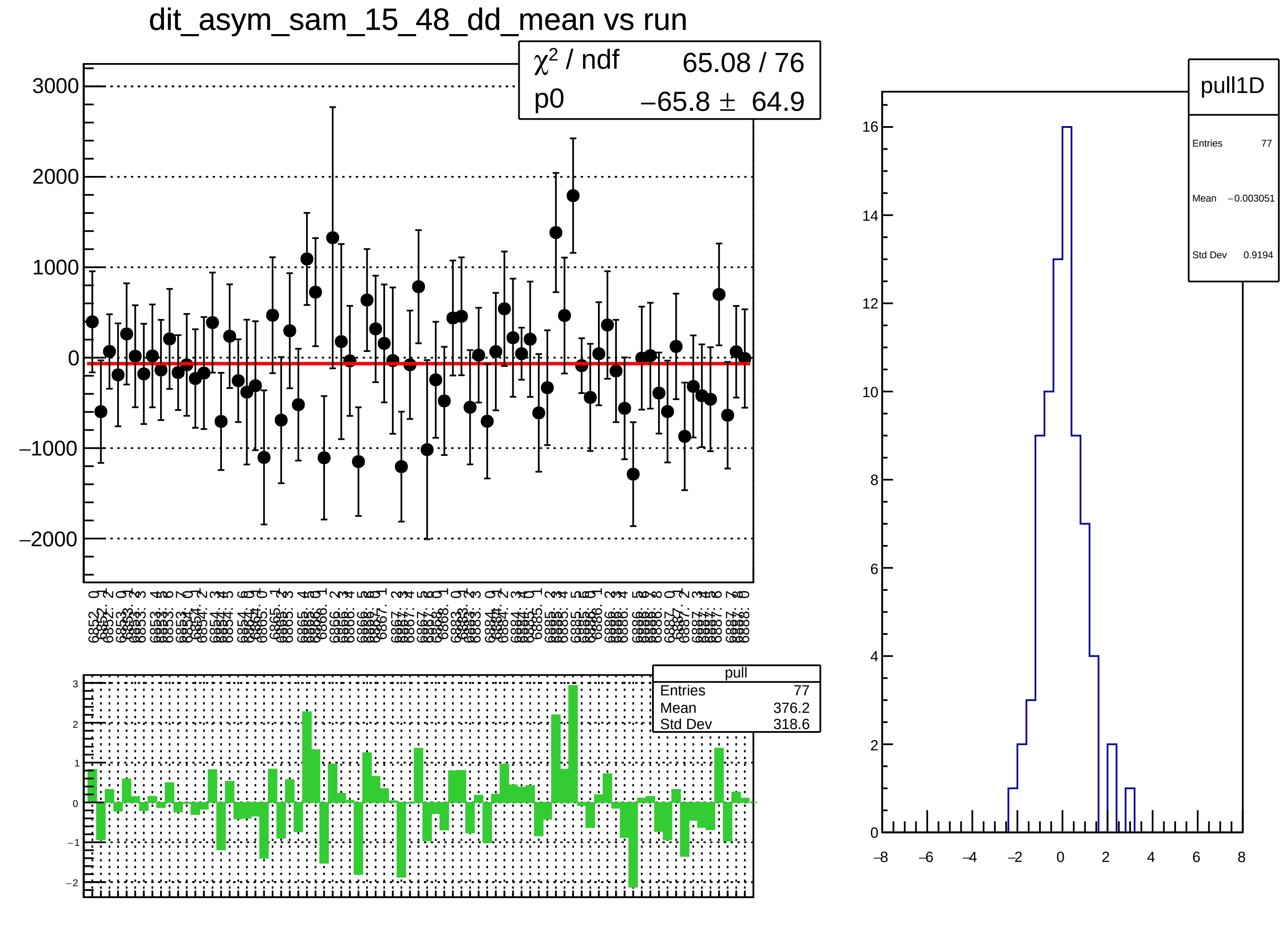
asym_sam_3726_avg_correction_rms vs run
$\chi^2$ / ndf 2.295e+04 / 76
p0 807.2 ± 0.6399
1050
1000
950
900
850
800
750
700



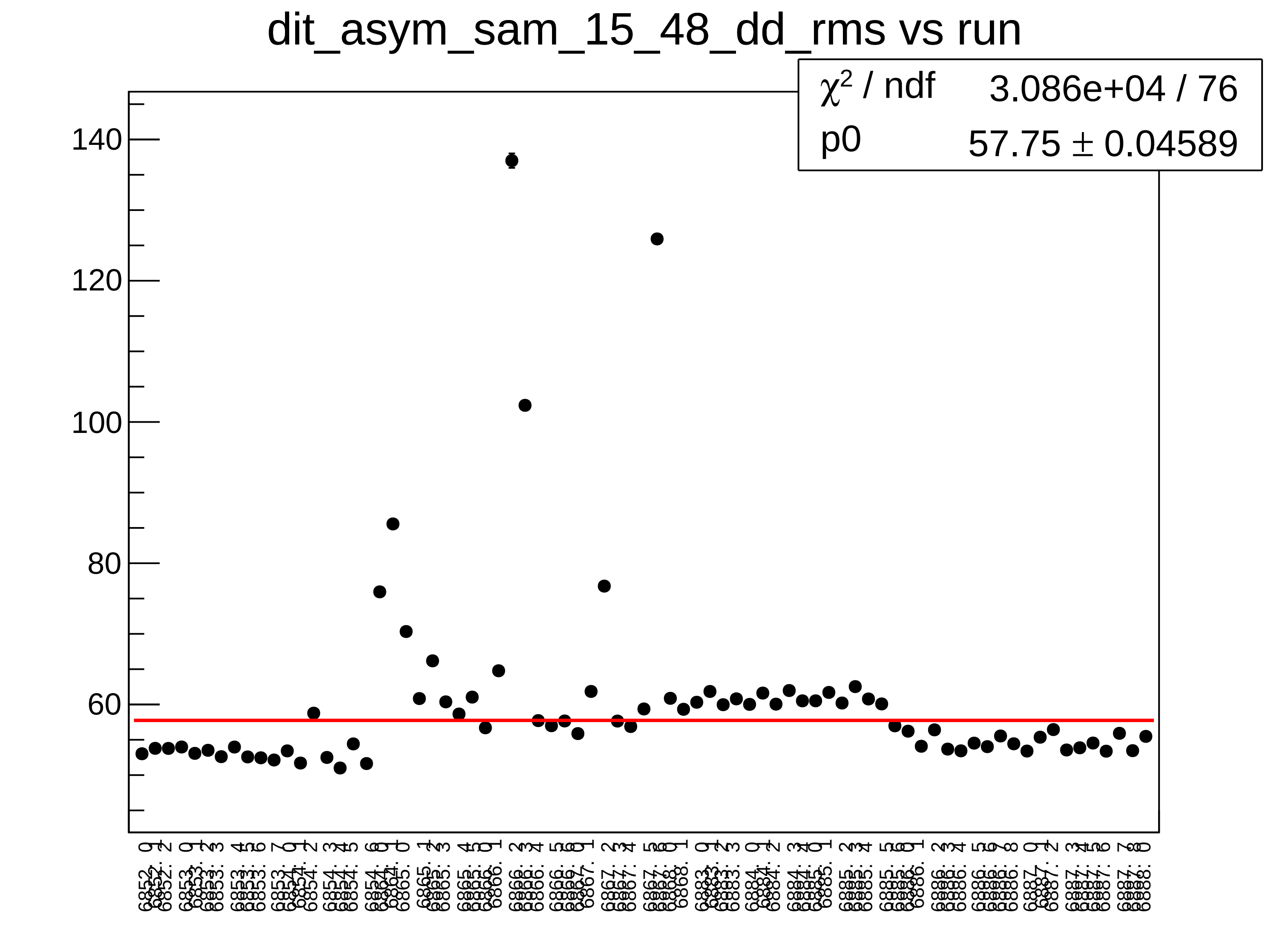
asym_sam_3726_avg_mean vs run
$\chi^2$ / ndf 69.02 / 76
p0 1704 ± 909
pull
Entries 77
Mean 115.2
Std Dev 65.89
pull1D
Entries 77
Mean −0.03005
Std Dev 0.9463

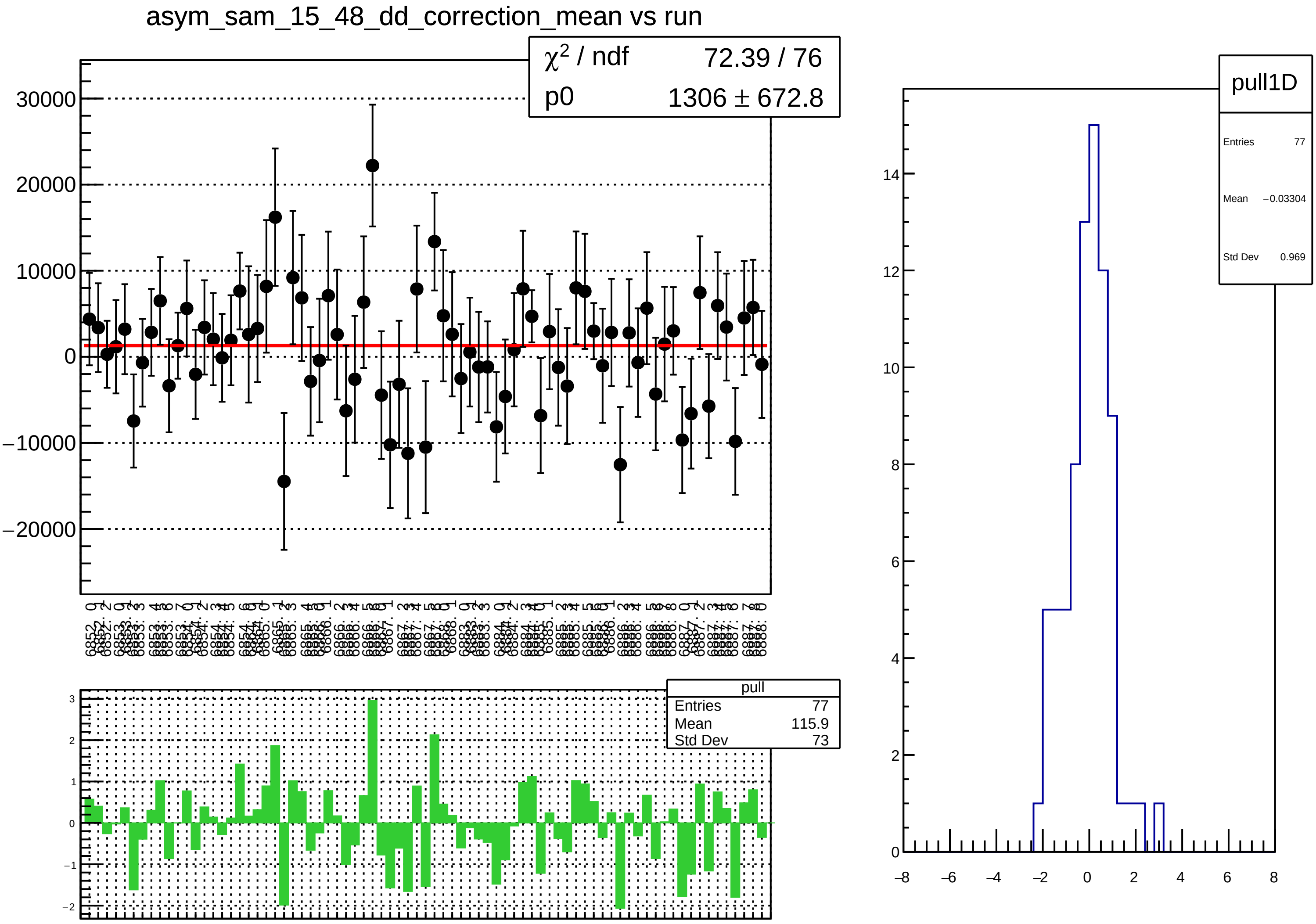


asym_sam_3726_avg_rms vs run
χ2 / ndf 2.577e+04 / 76
p0 810.1 ± 0.6427
1100
1000
900
800
700

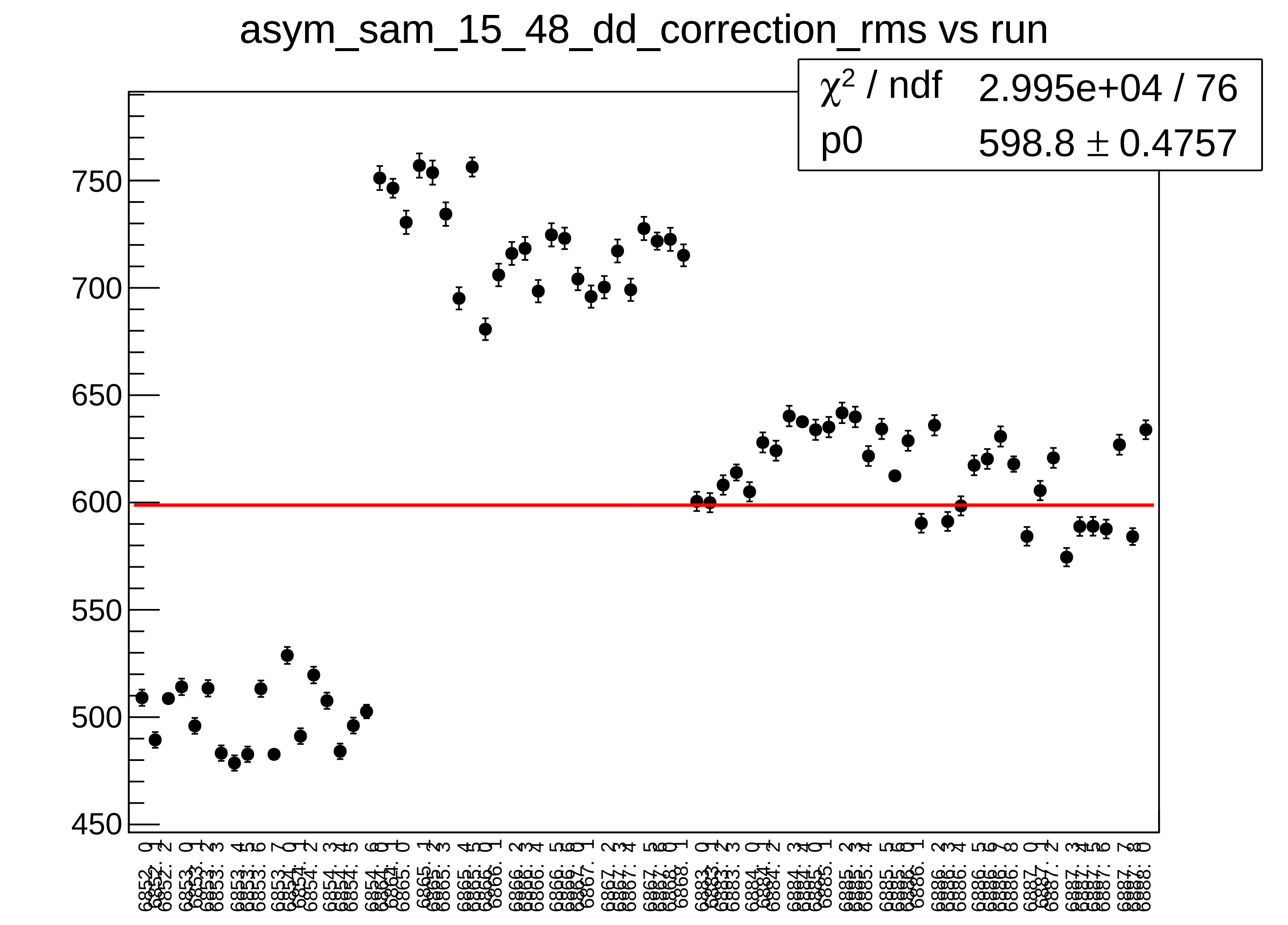


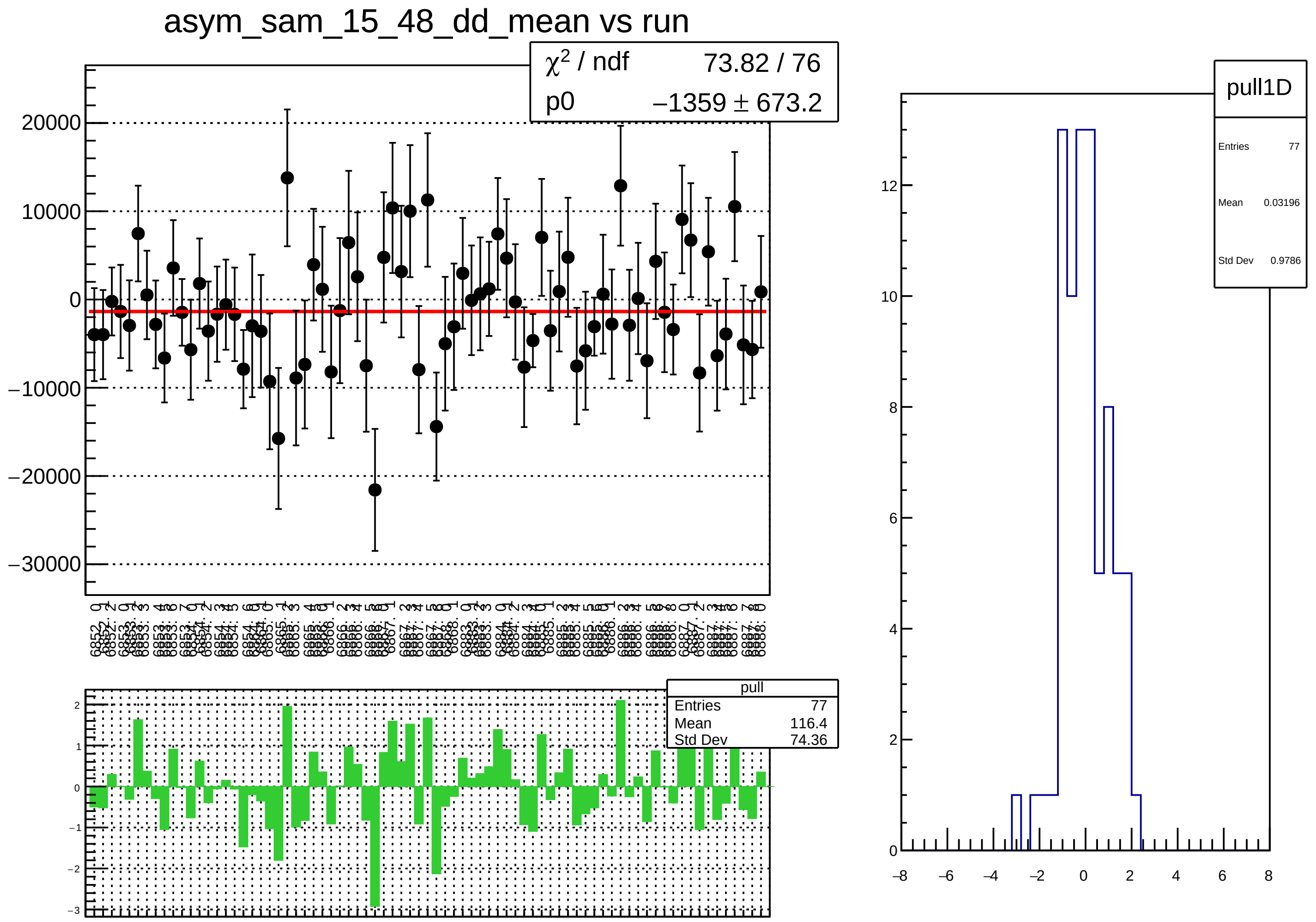
dit_asym_sam_15_48_dd_mean vs run
$\chi^2$ / ndf 65.08 / 76
p0 −65.8 ± 64.9
3000
2000
1000
0
−1000
−2000
pull
Entries 77
Mean 376.2
Std Dev 318.6
pull1D
Entries 77
Mean −0.003051
Std Dev 0.9194


dit_asym_sam_15_48_dd_rms vs run
$\chi^2$ / ndf 3.086e+04 / 76
p0 57.75 ± 0.04589
140
120
100
80
60

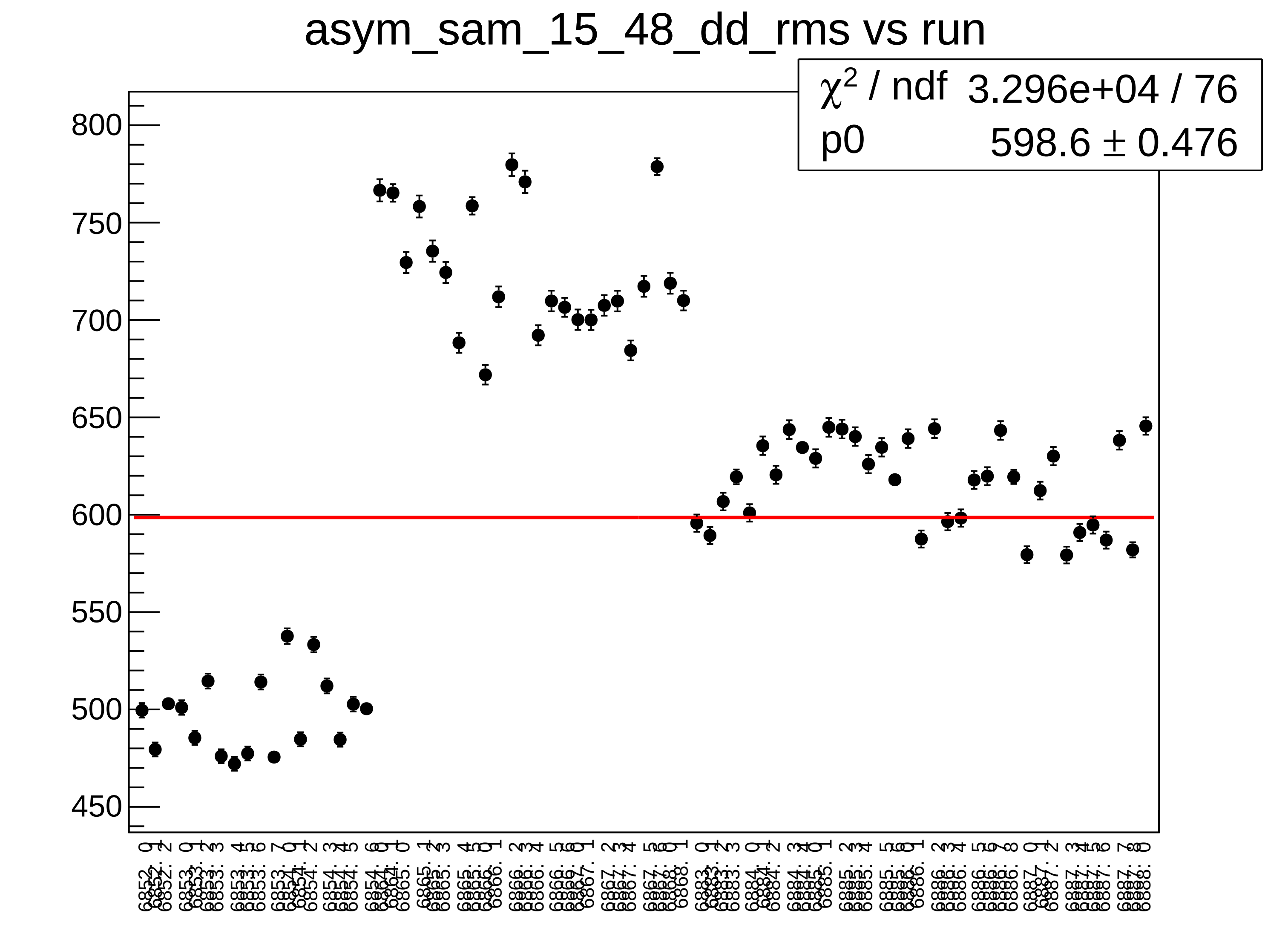


asym_sam_15_48_dd_correction_mean vs run
χ2 / ndf 72.39 / 76
p0 1306 ± 672.8
30000
20000
10000
0
−10000
−20000
pull
Entries 77
Mean 115.9
Std Dev 73
pull1D
Entries 77
Mean −0.03304
Std Dev 0.969

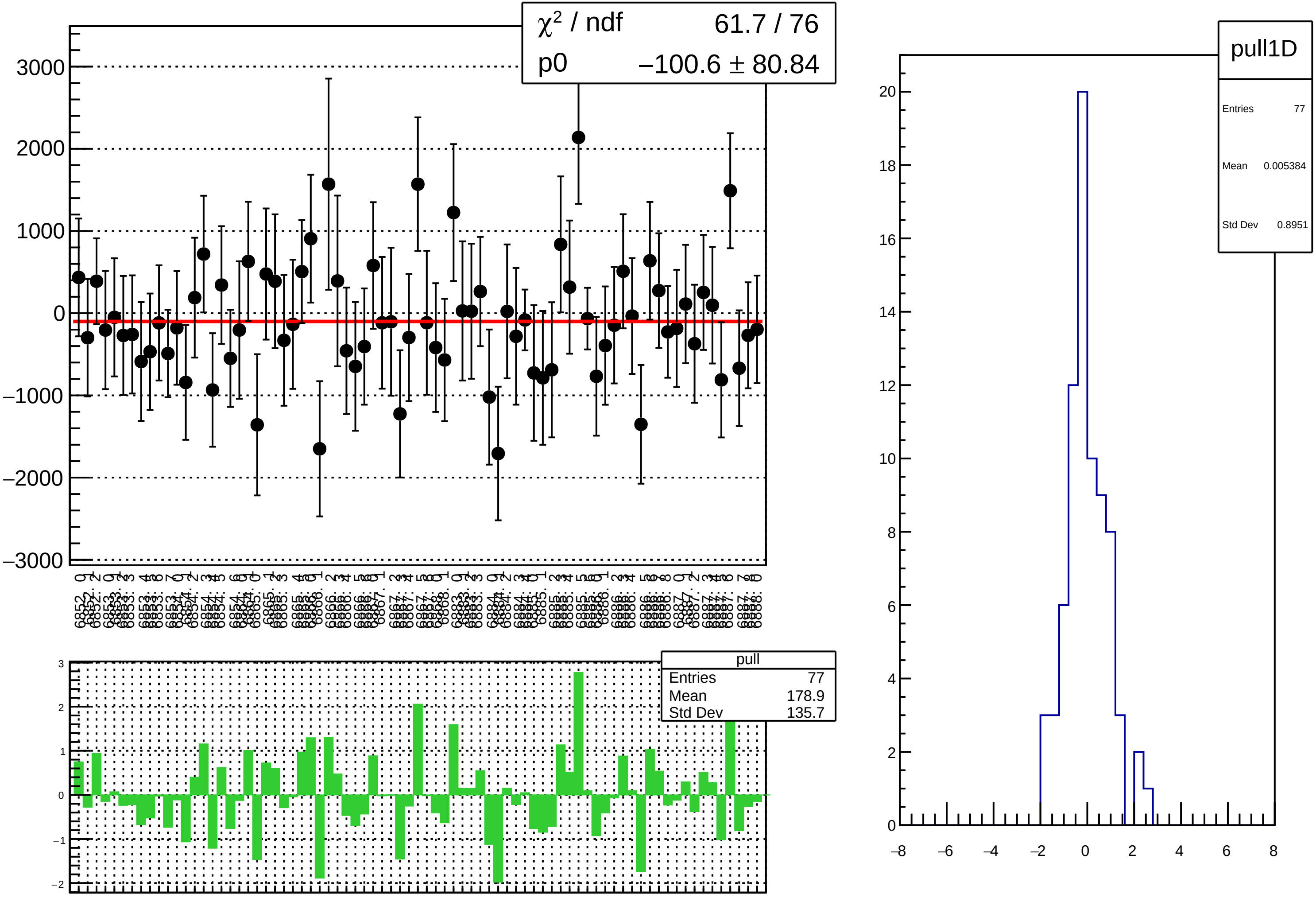

asym_sam_15_48_dd_correction_rms vs run
$\chi^2$ / ndf 2.995e+04 / 76
p0 598.8 ± 0.4757

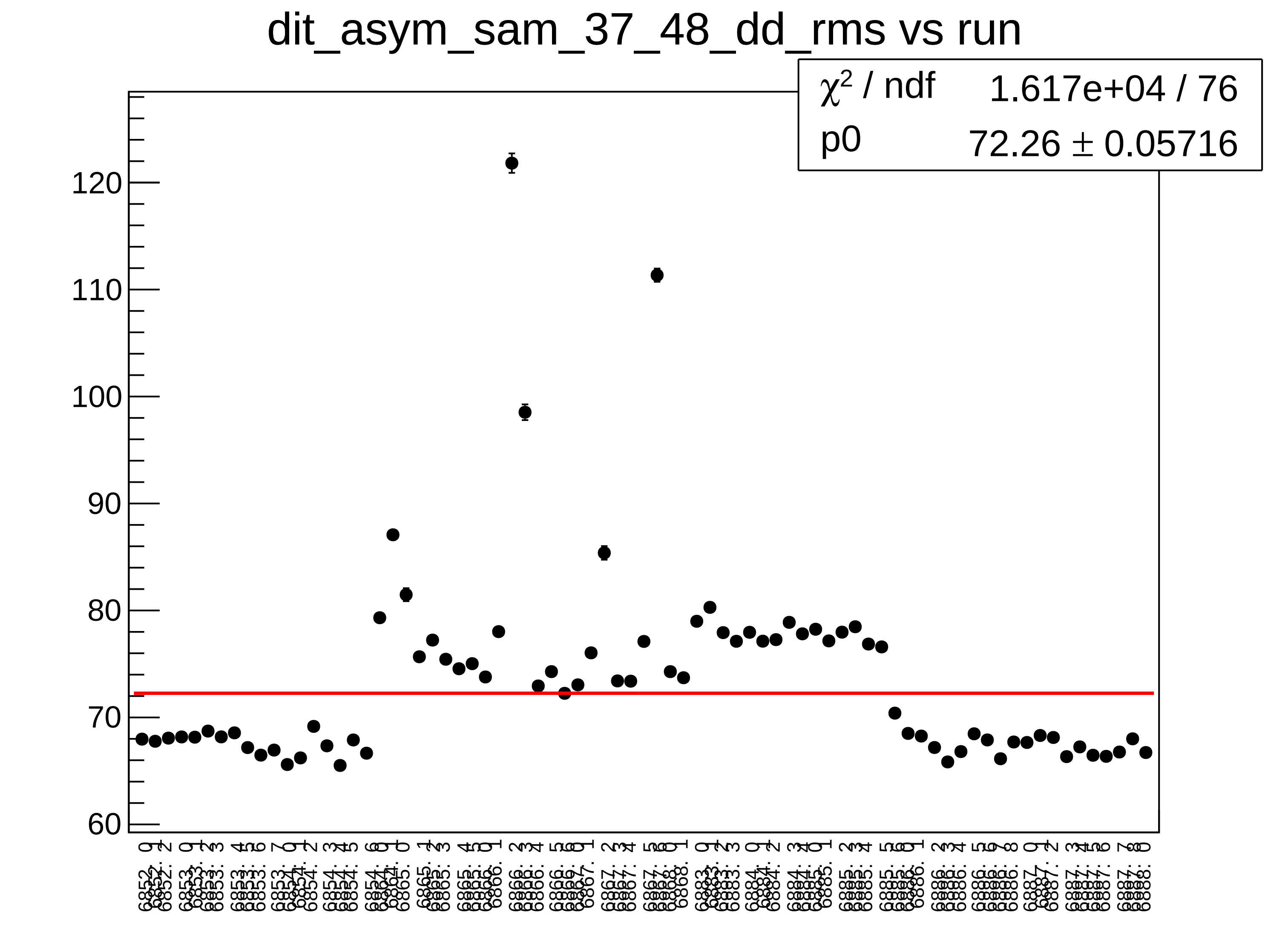


asym_sam_15_48_dd_mean vs run
$\chi^2$ / ndf 73.82 / 76
p0 −1359 ± 673.2
pull
Entries 77
Mean 116.4
Std Dev 74.36
pull1D
Entries 77
Mean 0.03196
Std Dev 0.9786

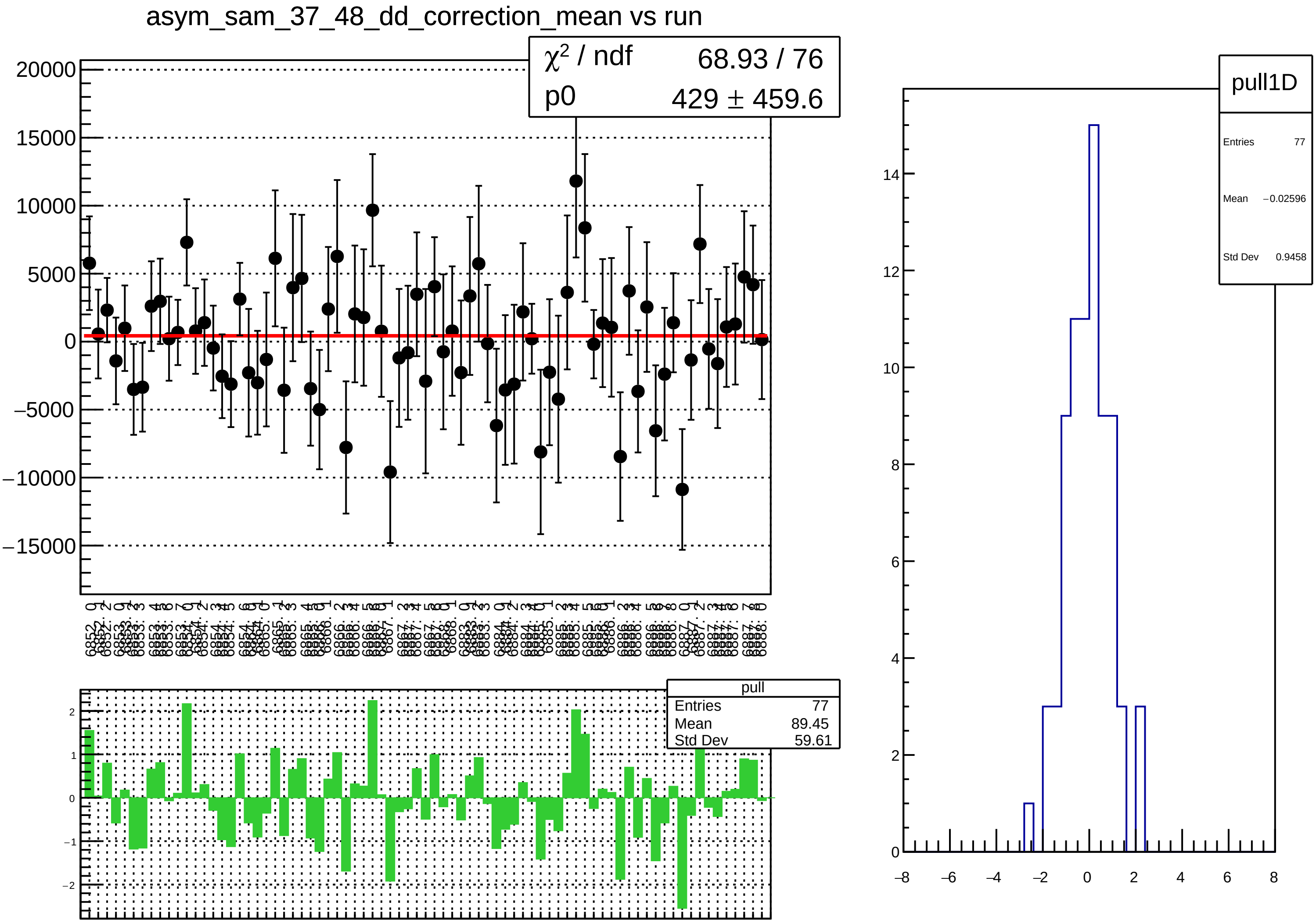

asym_sam_15_48_dd_rms vs run
$\chi^2$ / ndf 3.296e+04 / 76
p0 598.6 ± 0.476
800
750
700
650
600
550
500
450

# dit_asym_sam_37_48_dd_mean vs run

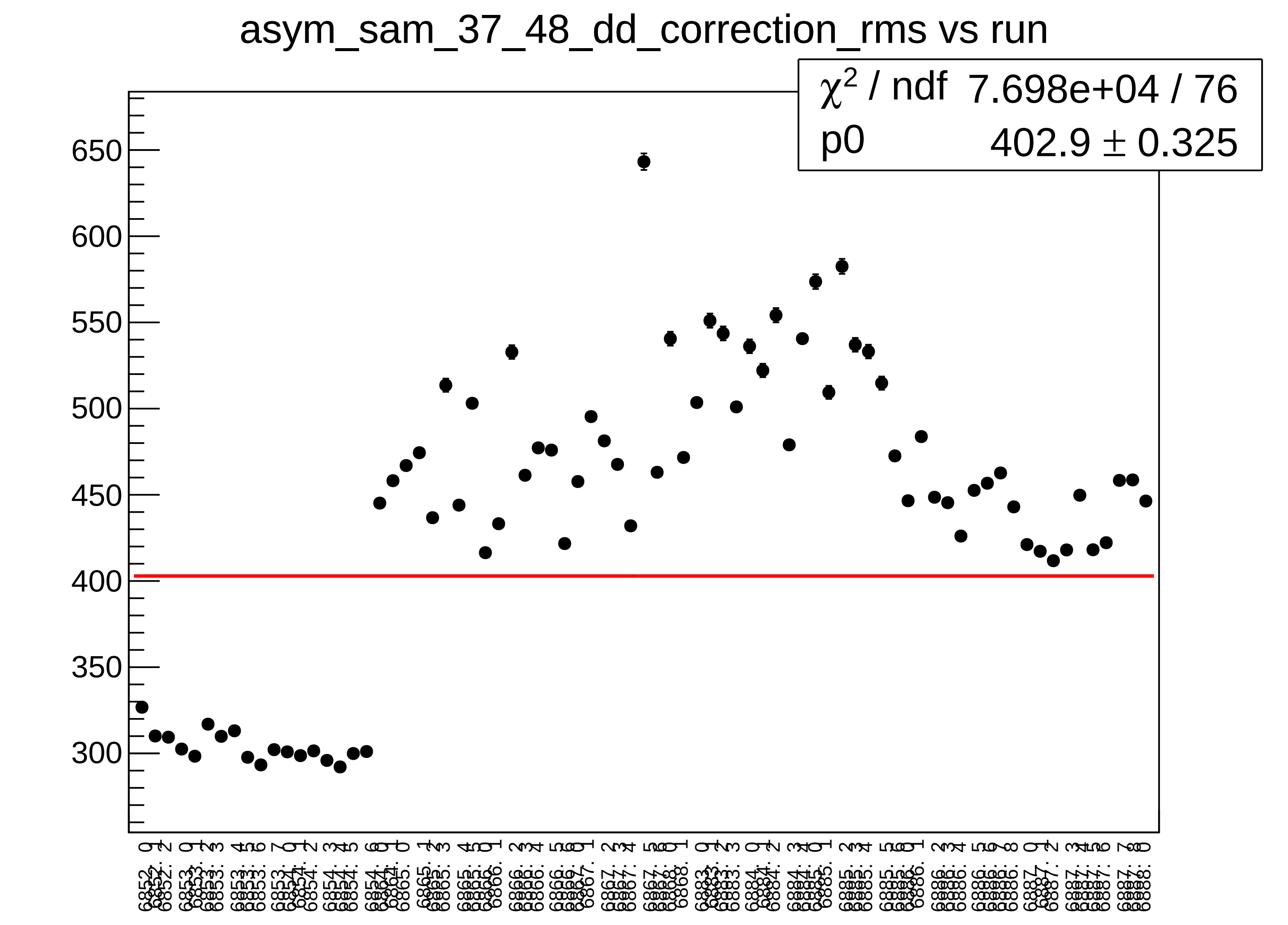




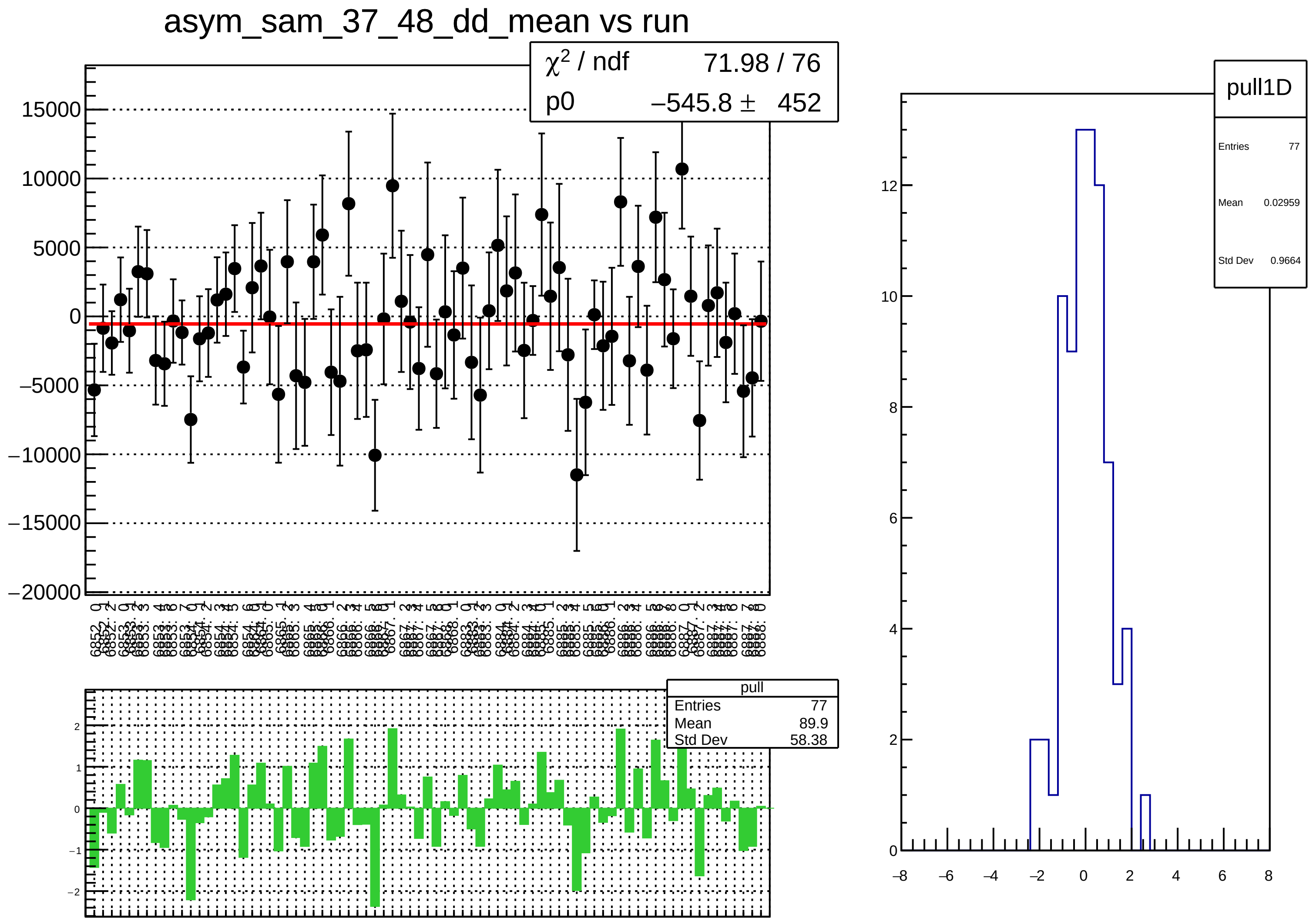
dit_asym_sam_37_48_dd_rms vs run
χ2 / ndf 1.617e+04 / 76
p0 72.26 ± 0.05716
120
110
100
90
80
70
60



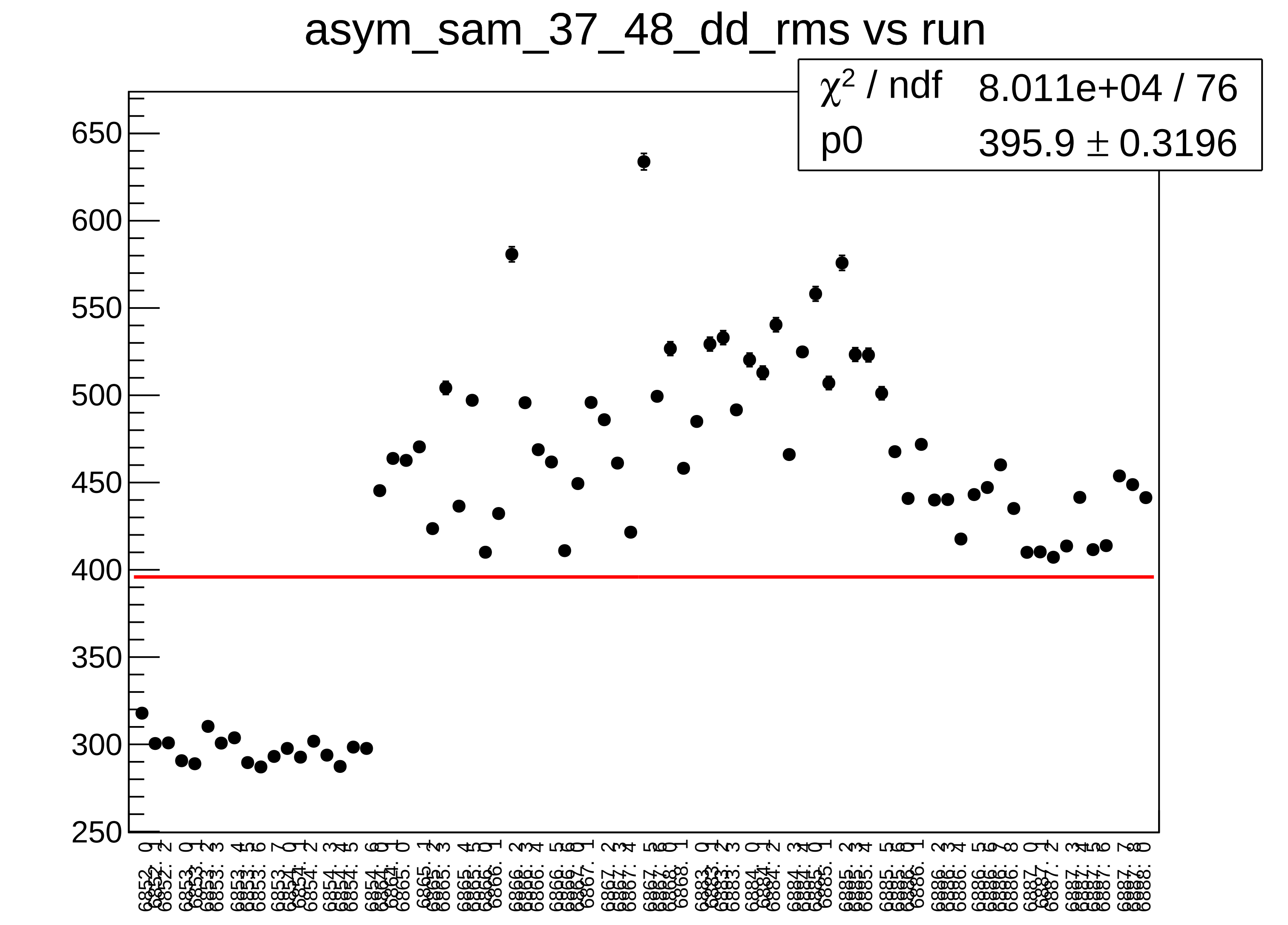
asym_sam_37_48_dd_correction_mean vs run
χ2 / ndf 68.93 / 76
p0 429 ± 459.6
pull
Entries 77
Mean 89.45
Std Dev 59.61
pull1D
Entries 77
Mean −0.02596
Std Dev 0.9458



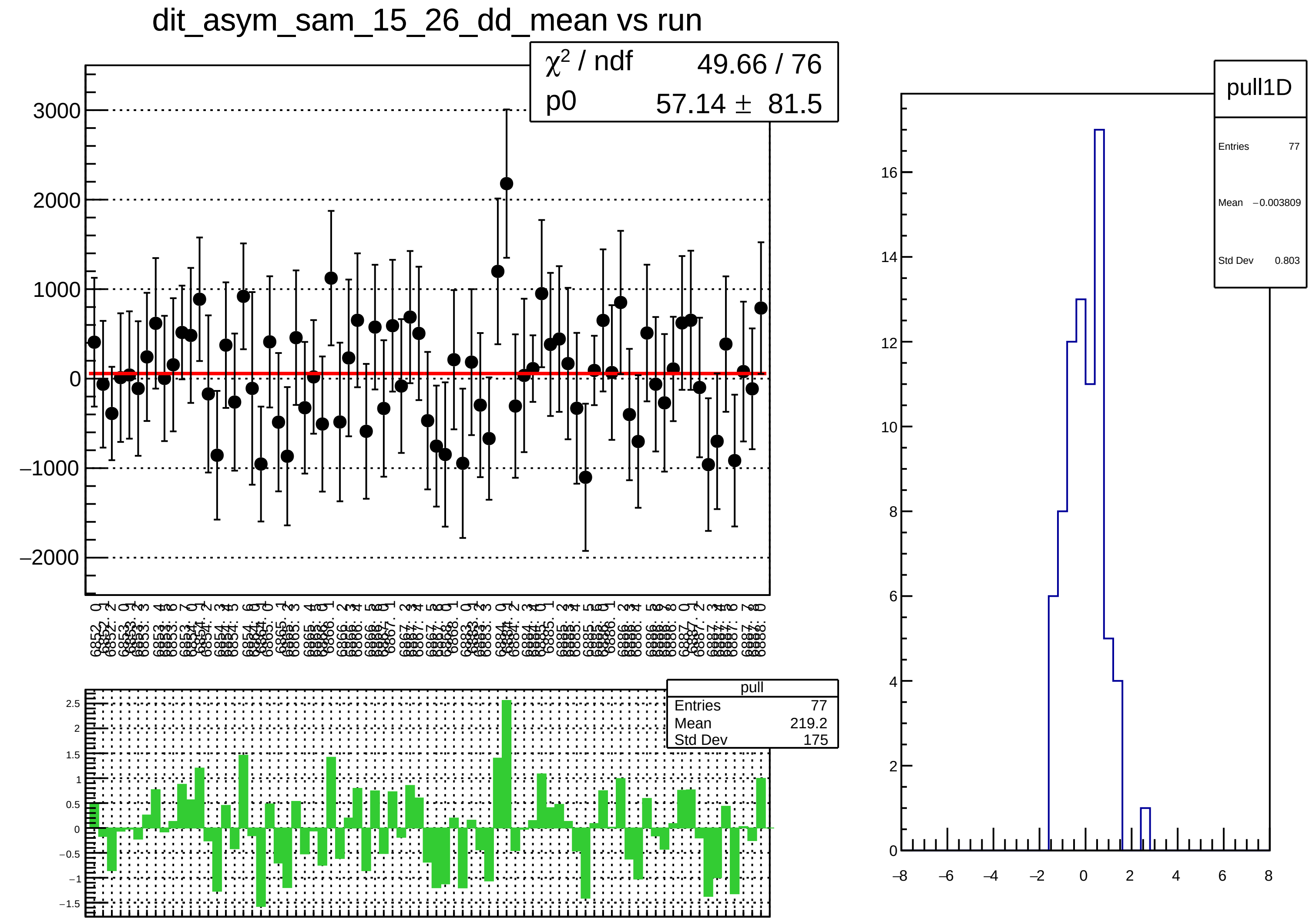
asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 7.698e+04 / 76
p0 402.9 ± 0.325
650
600
550
500
450
400
350
300



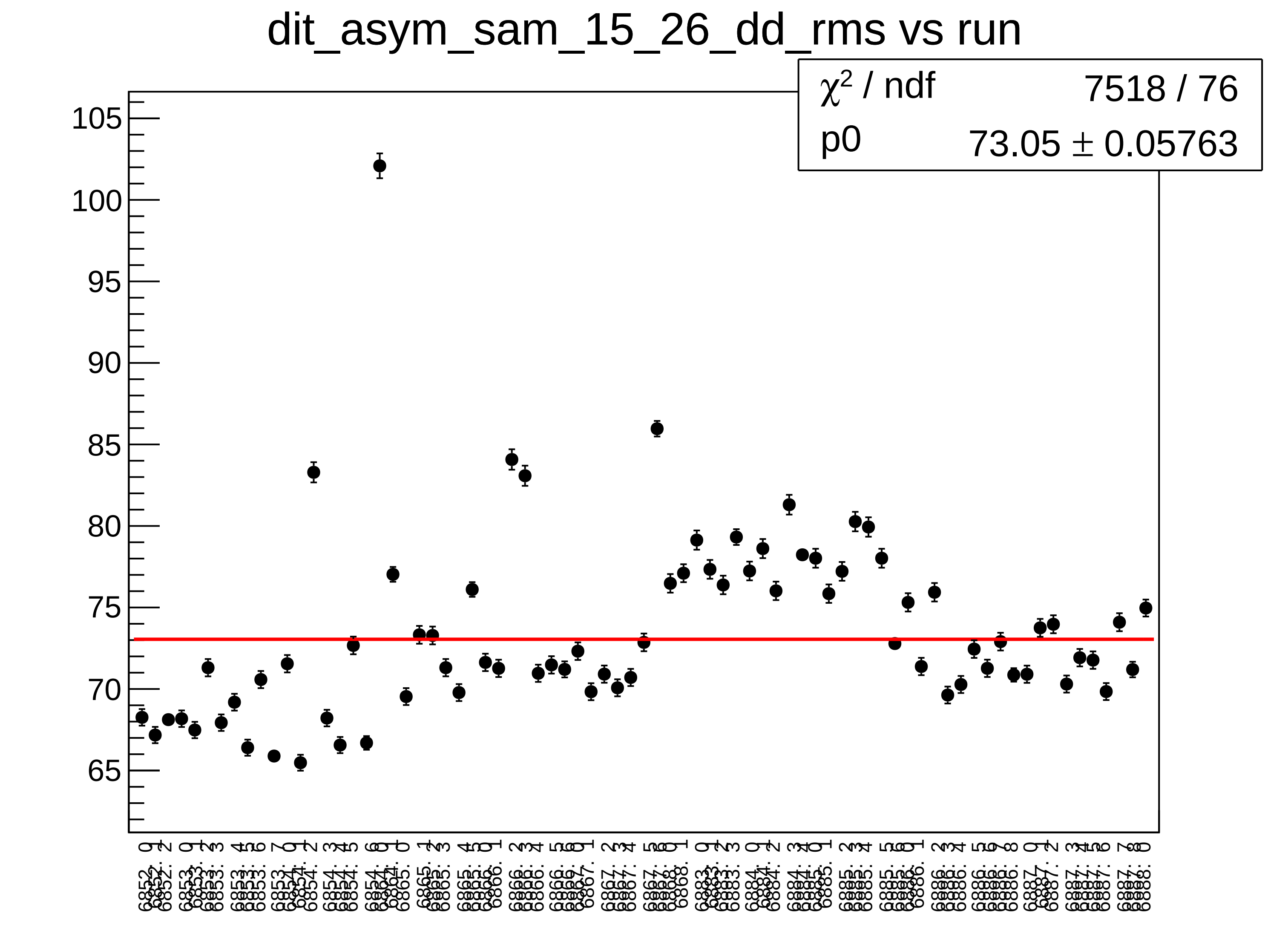
asym_sam_37_48_dd_mean vs run
χ2 / ndf 71.98 / 76
p0 −545.8 ± 452
pull
Entries 77
Mean 89.9
Std Dev 58.38
pull1D
Entries 77
Mean 0.02959
Std Dev 0.9664



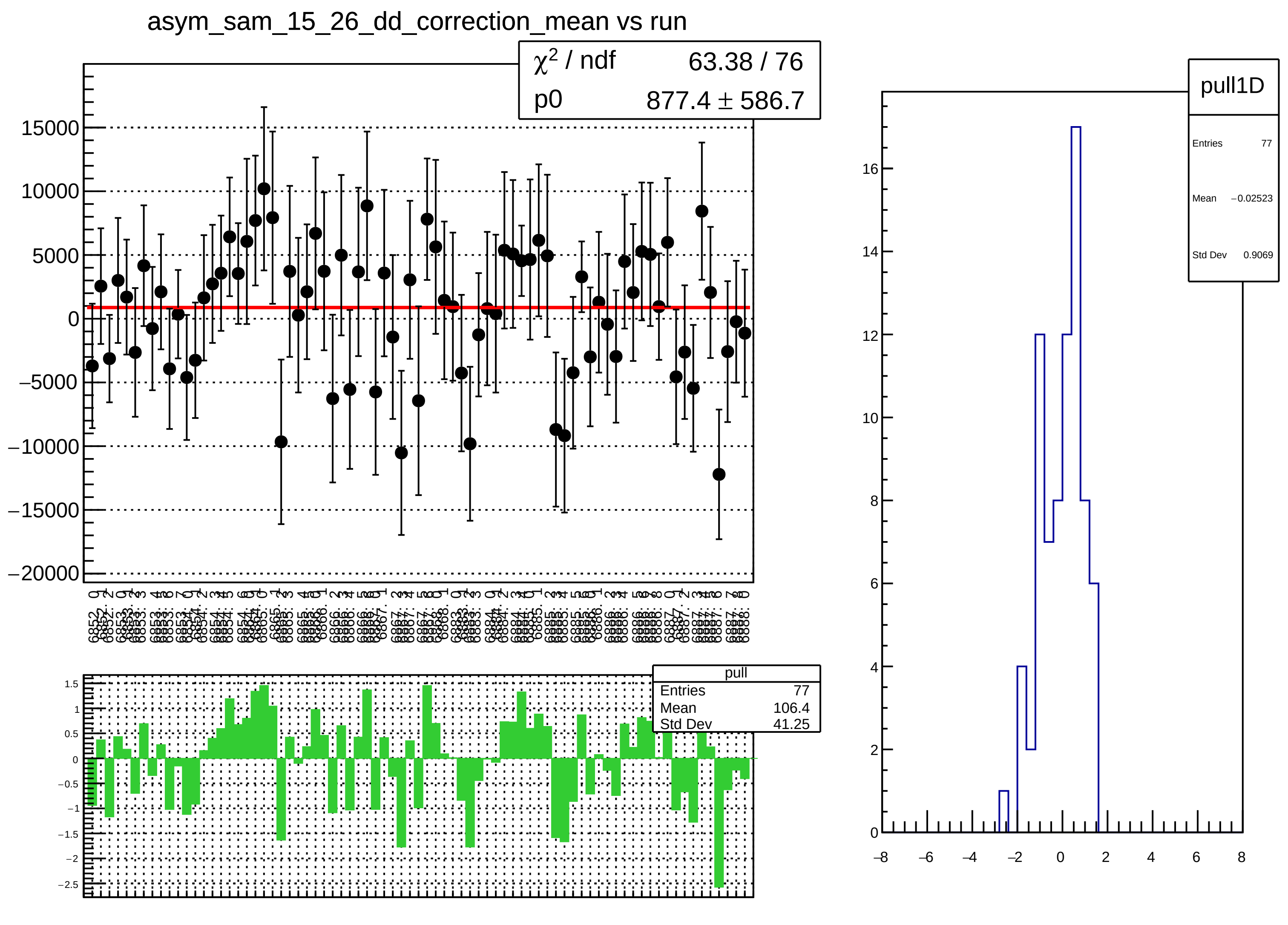
asym_sam_37_48_dd_rms vs run
$\chi^2$ / ndf 8.011e+04 / 76
p0 395.9 ± 0.3196
650
600
550
500
450
400
350
300
250



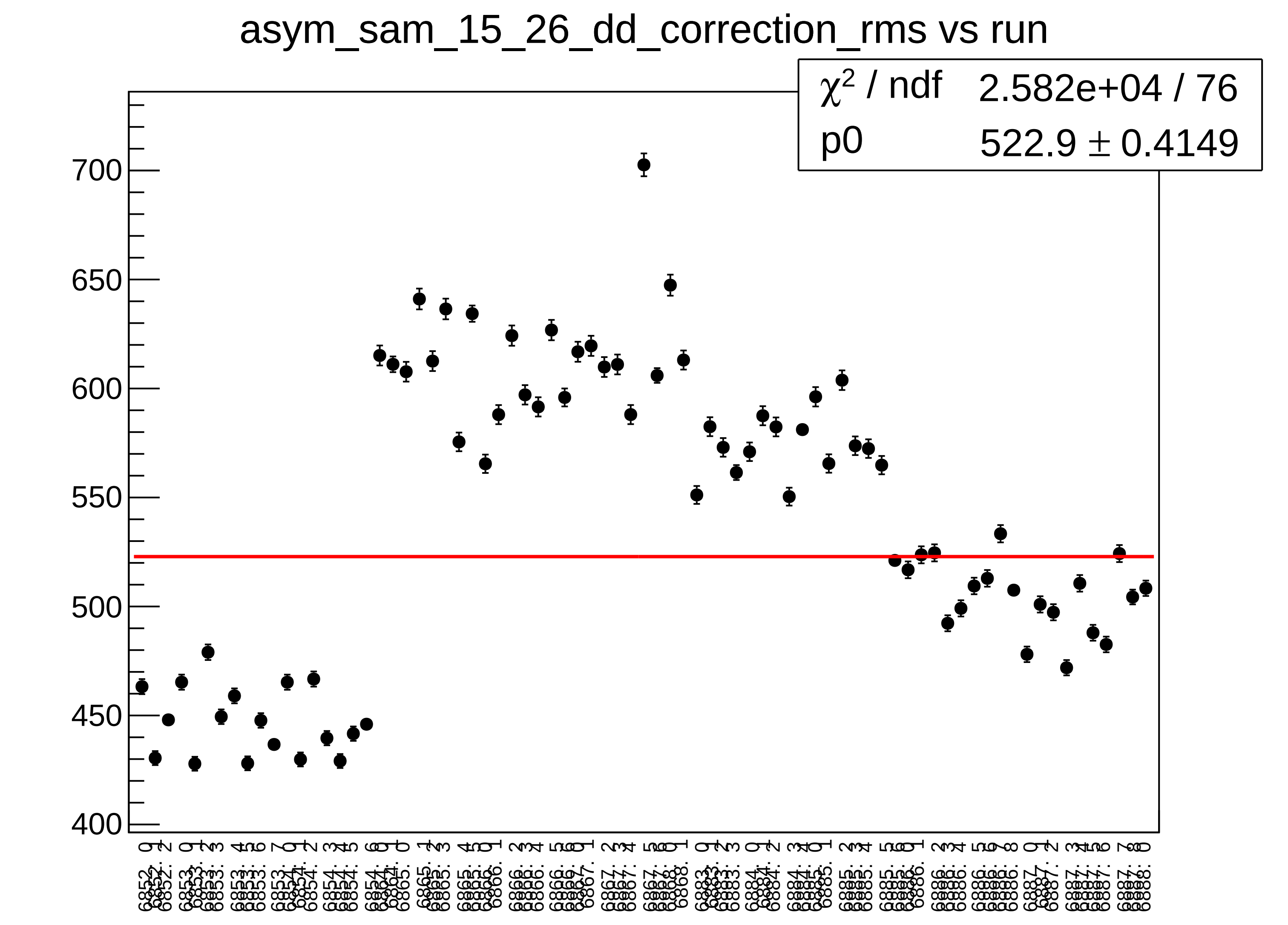
dit_asym_sam_15_26_dd_mean vs run
χ2 / ndf 49.66 / 76
p0 57.14 ± 81.5
pull
Entries 77
Mean 219.2
Std Dev 175
pull1D
Entries 77
Mean −0.003809
Std Dev 0.803

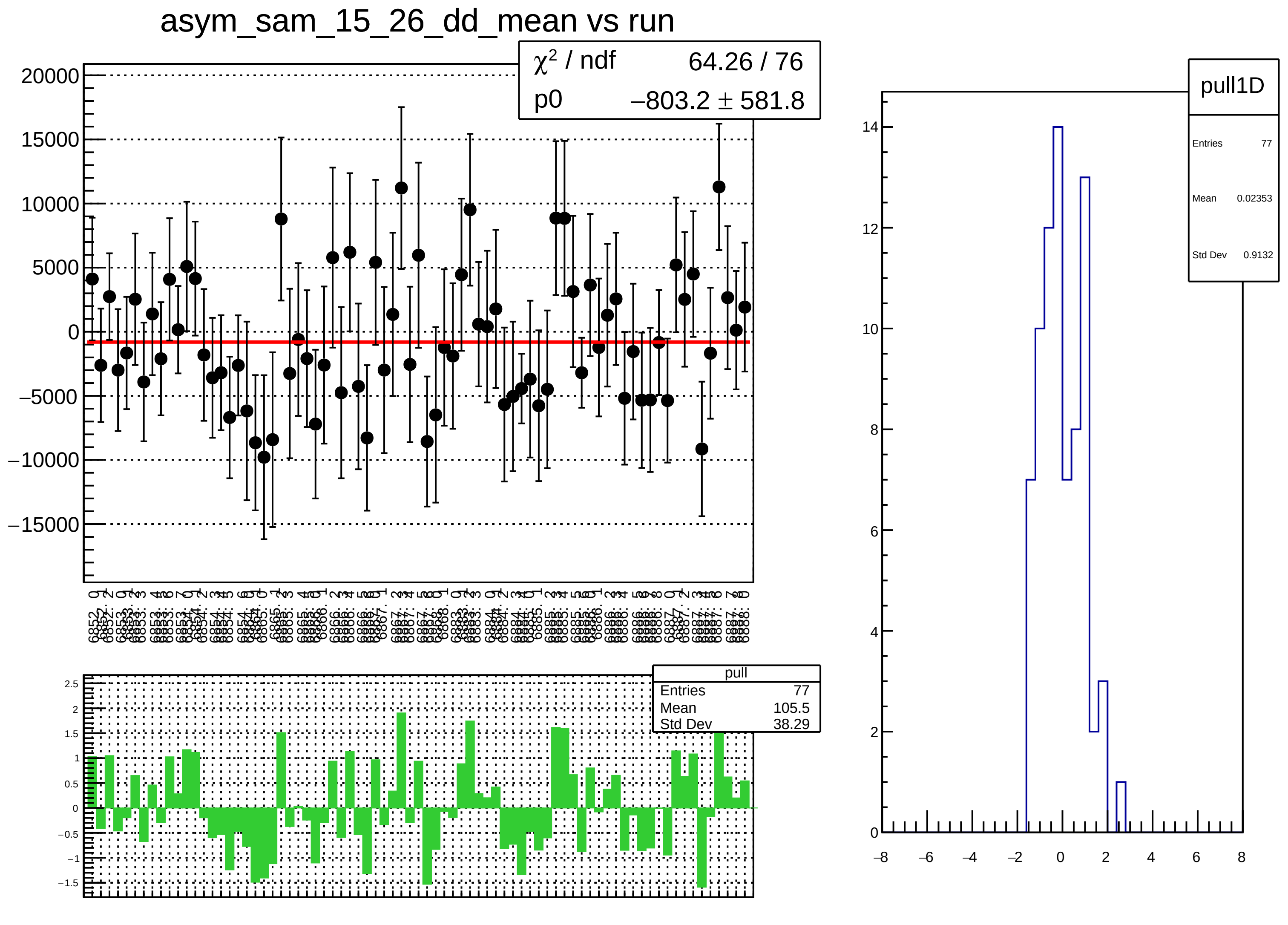


dit_asym_sam_15_26_dd_rms vs run
χ2 / ndf 7518 / 76
p0 73.05 ± 0.05763
105
100
95
90
85
80
75
70
65

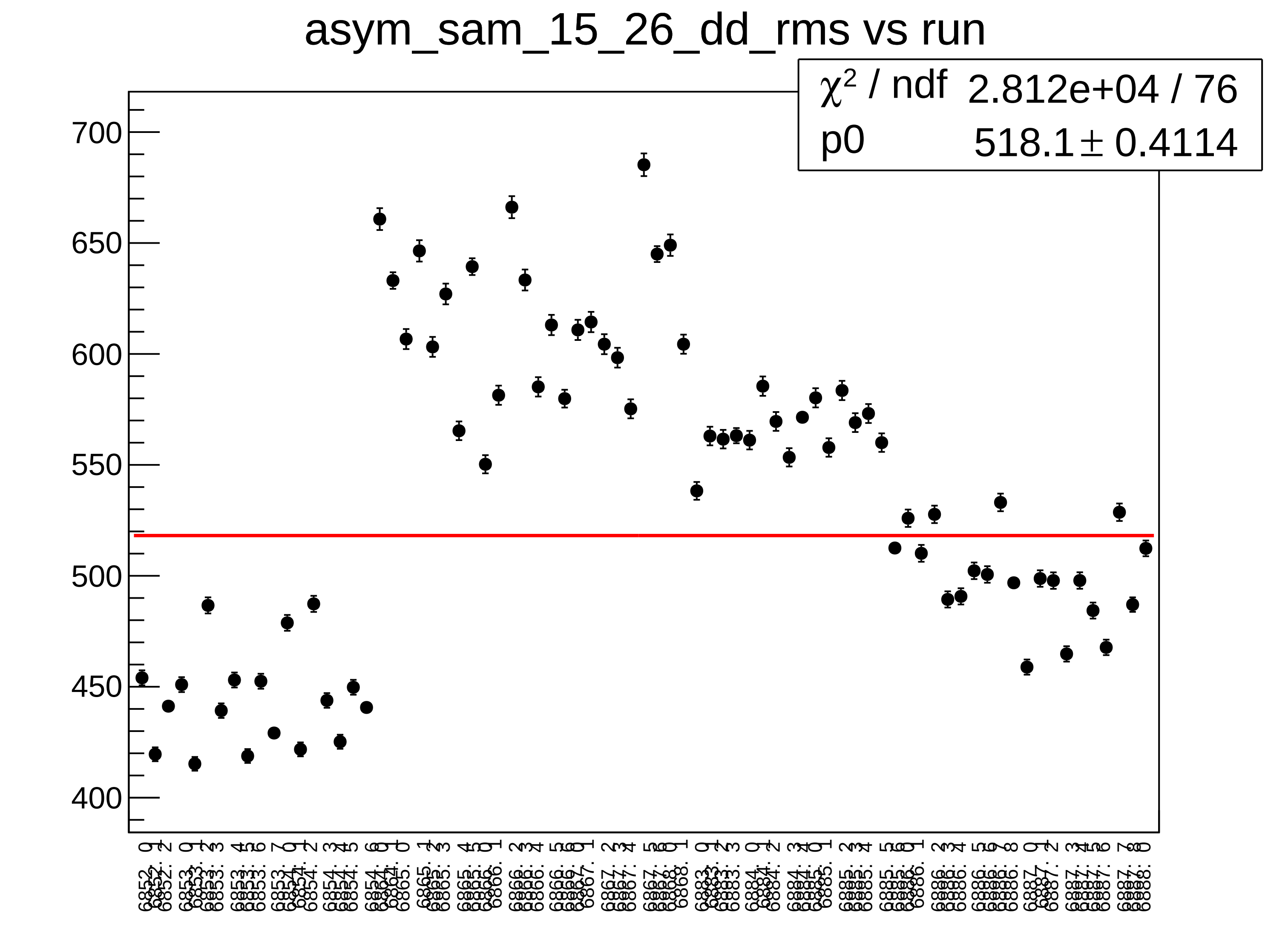


asym_sam_15_26_dd_correction_mean vs run
$\chi^2$ / ndf 63.38 / 76
p0 877.4 ± 586.7
pull
Entries 77
Mean 106.4
Std Dev 41.25
pull1D
Entries 77
Mean −0.02523
Std Dev 0.9069

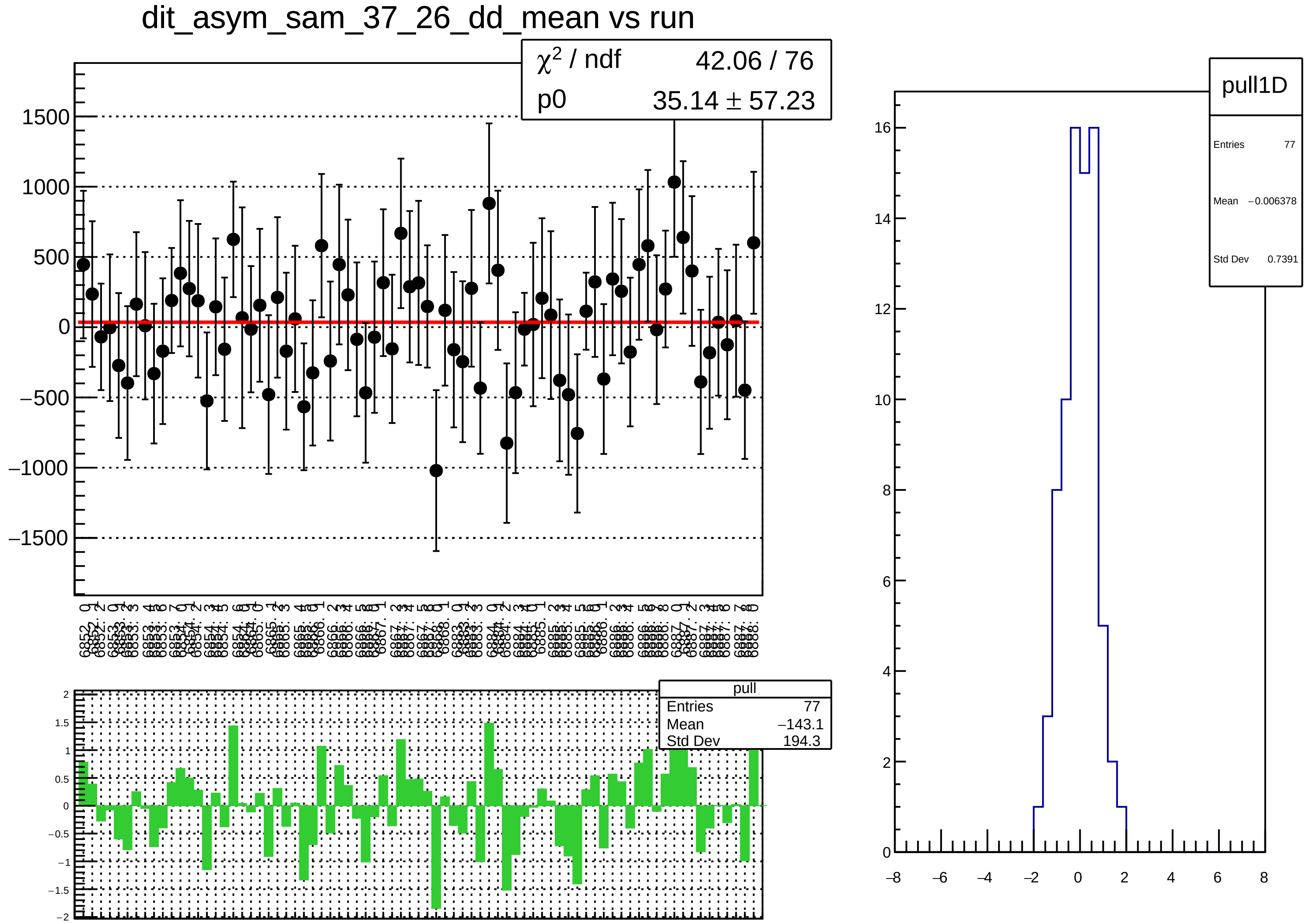

asym_sam_15_26_dd_correction_rms vs run
$\chi^2$ / ndf 2.582e+04 / 76
p0 522.9 ± 0.4149
700
650
600
550
500
450
400

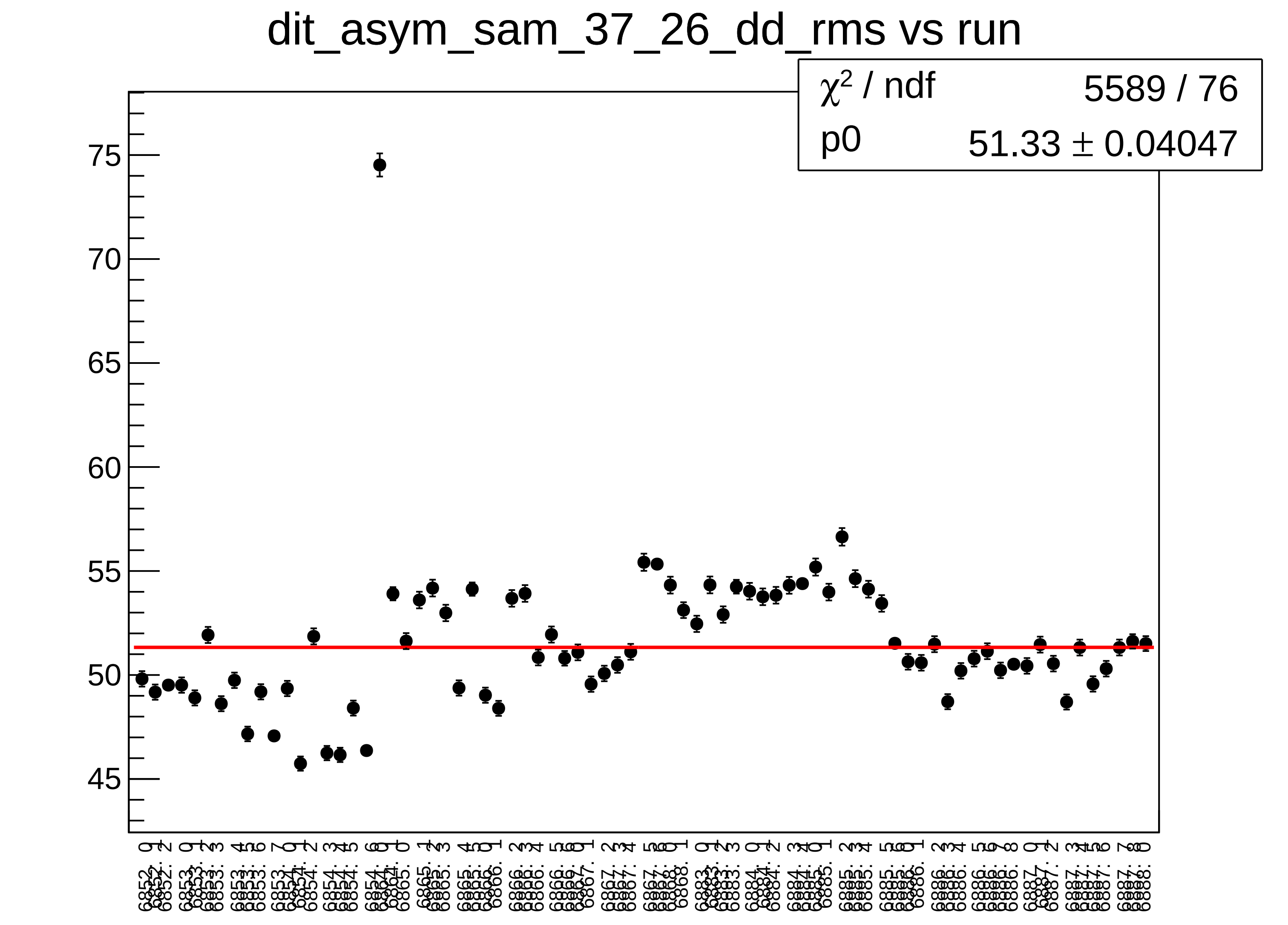


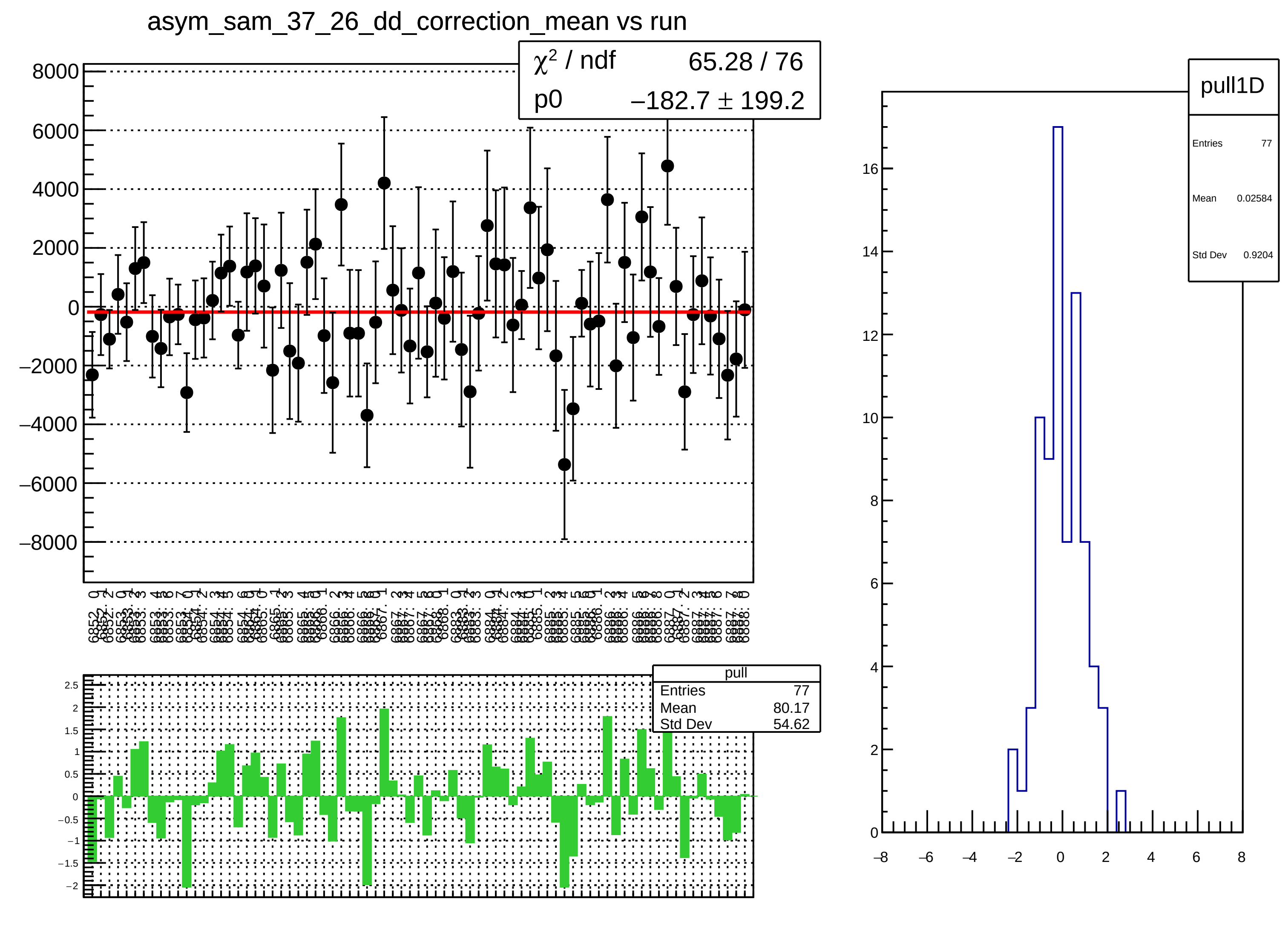
asym_sam_15_26_dd_mean vs run
χ² / ndf 64.26 / 76
p0 −803.2 ± 581.8
pull
Entries 77
Mean 105.5
Std Dev 38.29
pull1D
Entries 77
Mean 0.02353
Std Dev 0.9132



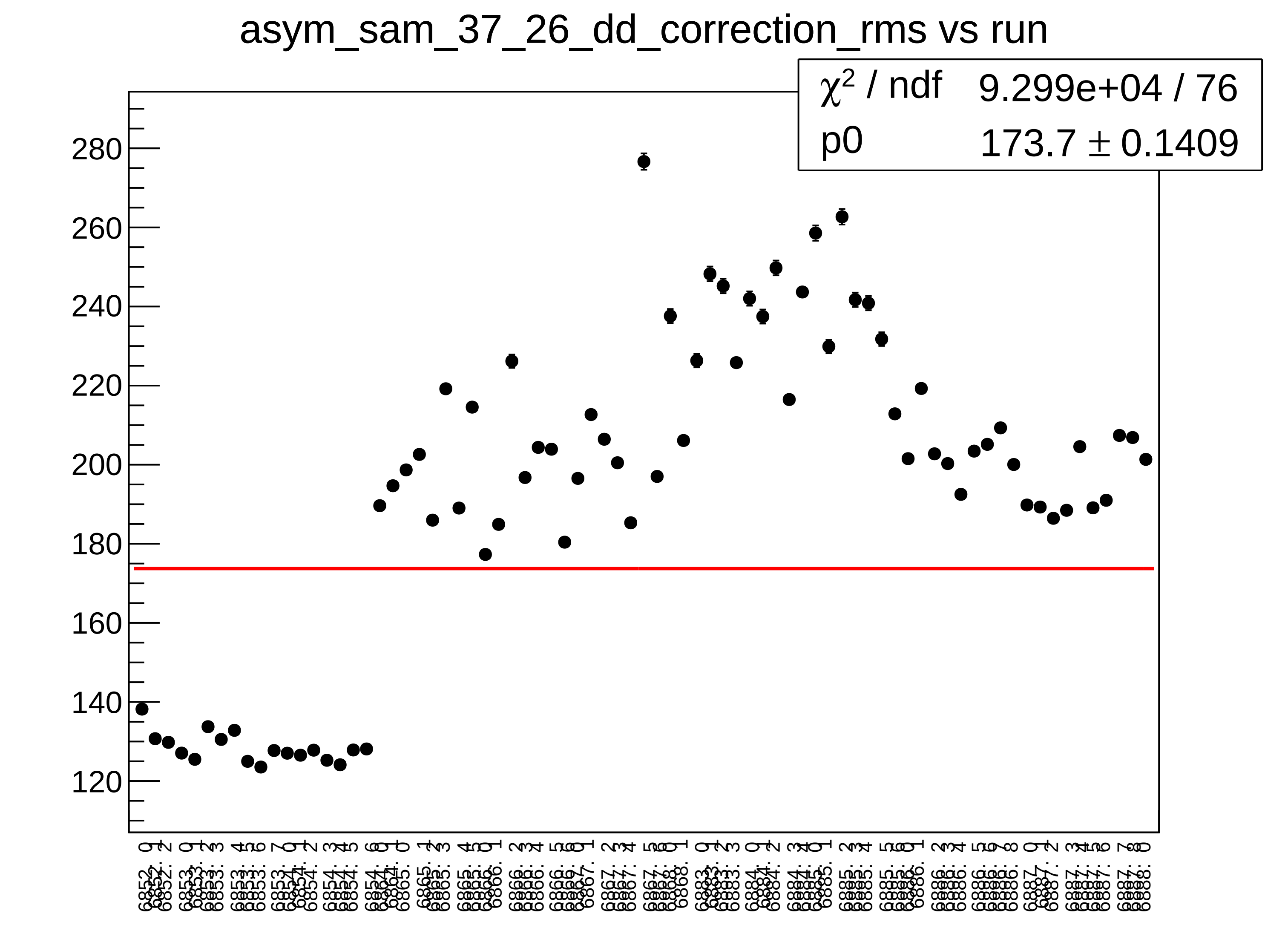
asym_sam_15_26_dd_rms vs run
χ2 / ndf 2.812e+04 / 76
p0 518.1 ± 0.4114
700
650
600
550
500
450
400


dit_asym_sam_37_26_dd_mean vs run
χ2 / ndf 42.06 / 76
p0 35.14 ± 57.23
pull
Entries 77
Mean −143.1
Std Dev 194.3
pull1D
Entries 77
Mean −0.006378
Std Dev 0.7391

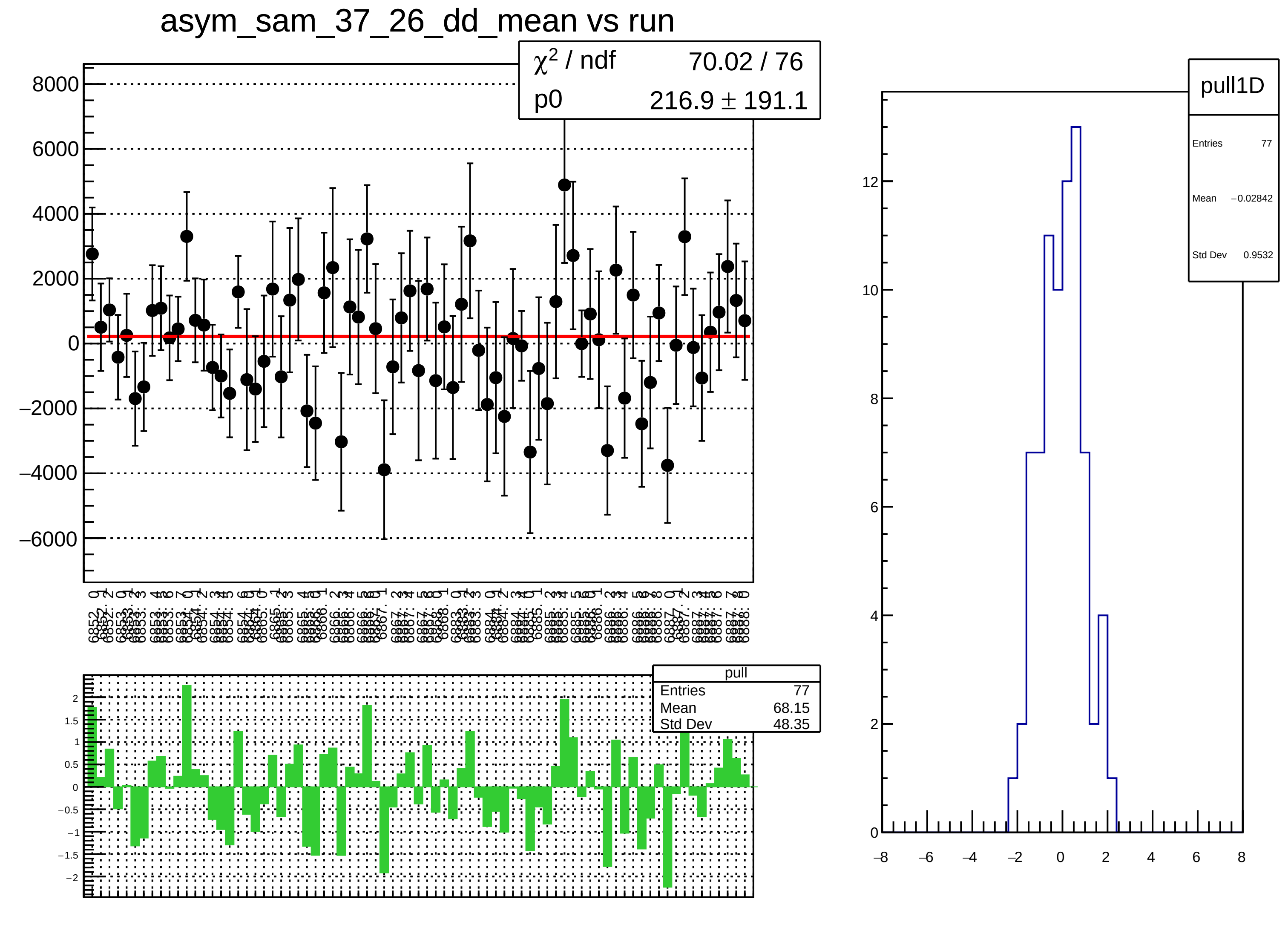

dit_asym_sam_37_26_dd_rms vs run
χ2 / ndf 5589 / 76
p0 51.33 ± 0.04047
75
70
65
60
55
50
45



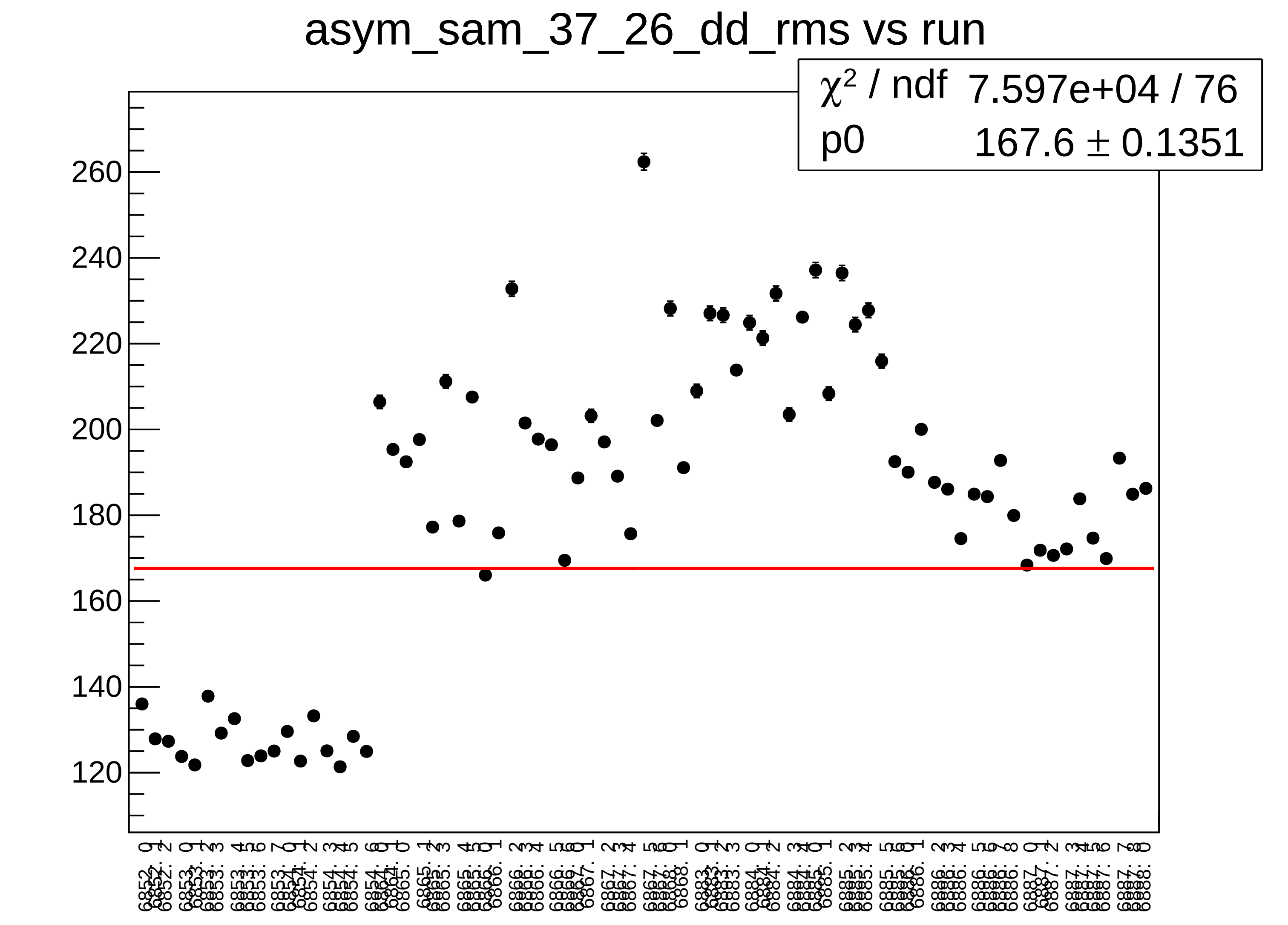
asym_sam_37_26_dd_correction_mean vs run
$\chi^2$ / ndf 65.28 / 76
p0 −182.7 ± 199.2
pull
Entries 77
Mean 80.17
Std Dev 54.62
pull1D
Entries 77
Mean 0.02584
Std Dev 0.9204



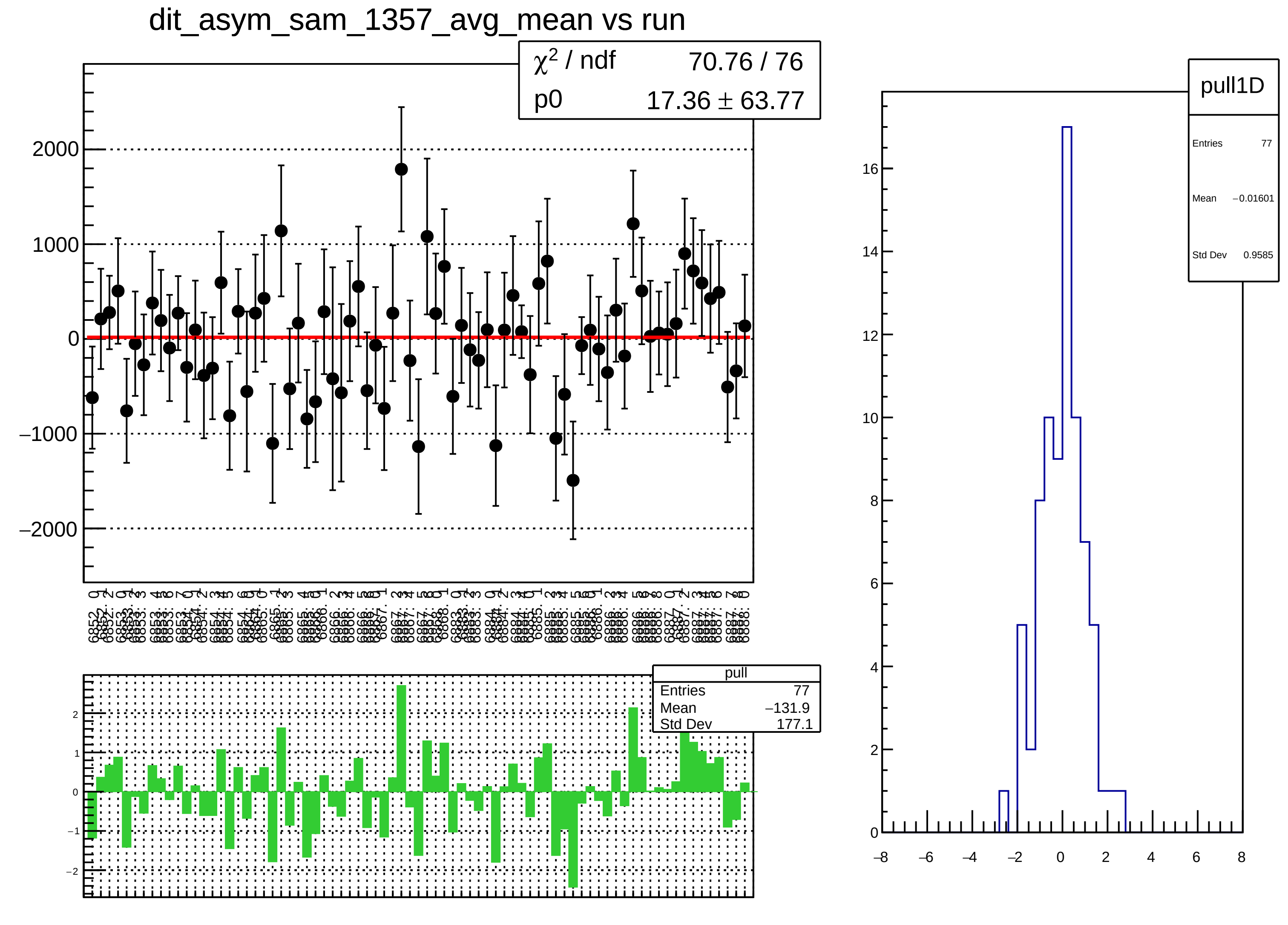
asym_sam_37_26_dd_correction_rms vs run
$\chi^2$ / ndf 9.299e+04 / 76
p0 173.7 ± 0.1409
280
260
240
220
200
180
160
140
120



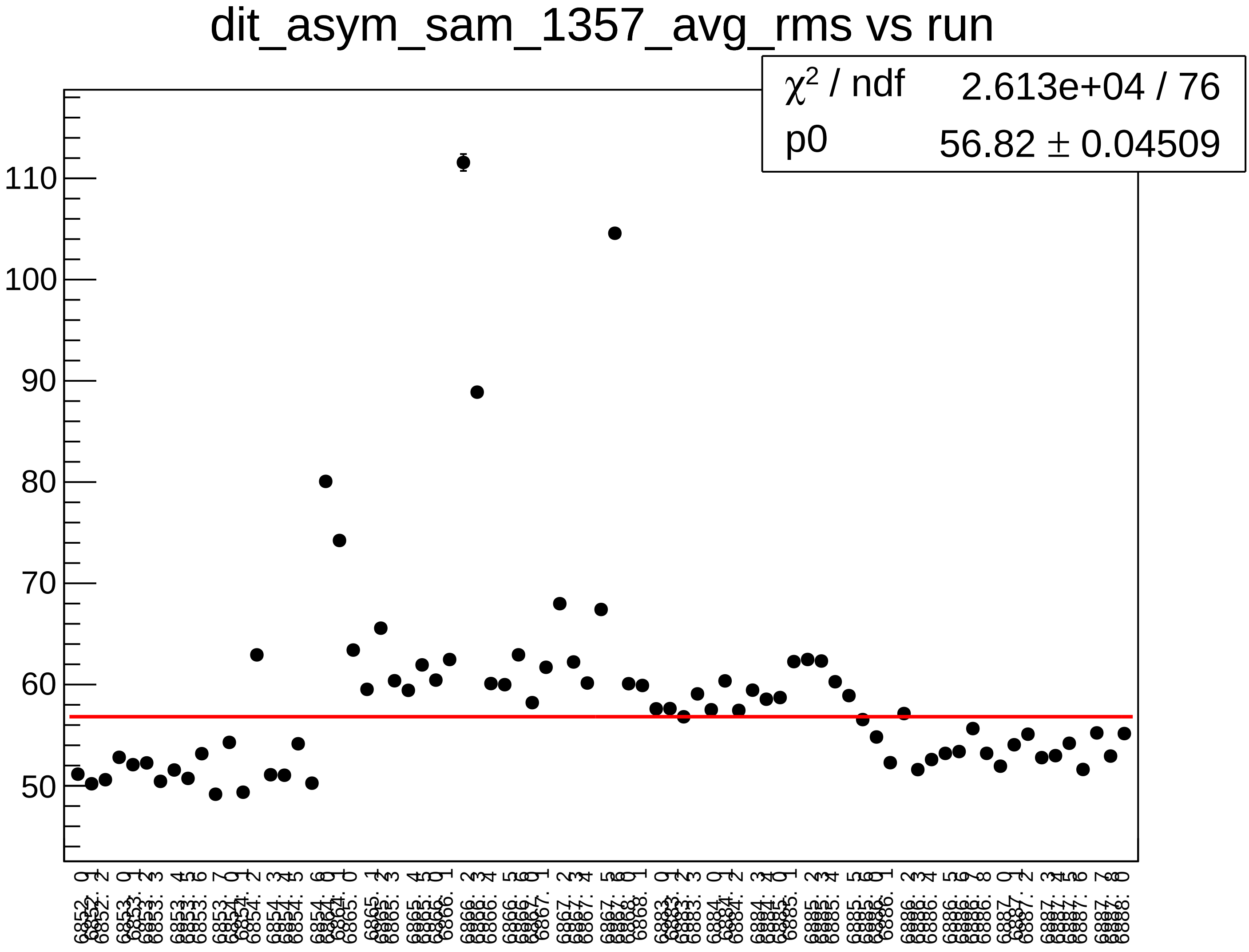
asym_sam_37_26_dd_mean vs run
χ2 / ndf 70.02 / 76
p0 216.9 ± 191.1
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 77
Mean 68.15
Std Dev 48.35
pull1D
Entries 77
Mean −0.02842
Std Dev 0.9532

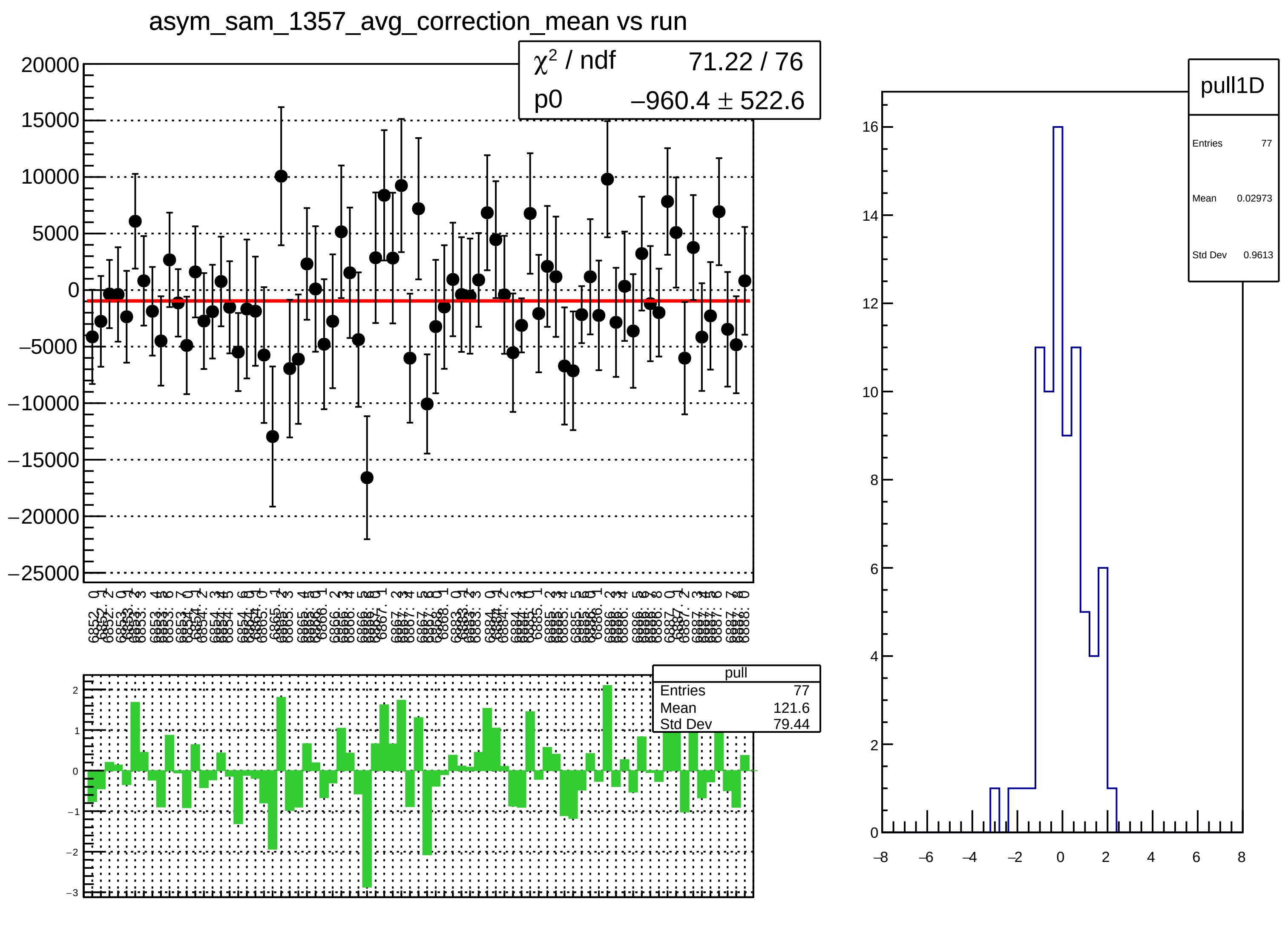


asym_sam_37_26_dd_rms vs run
$\chi^2$ / ndf 7.597e+04 / 76
p0 167.6 ± 0.1351

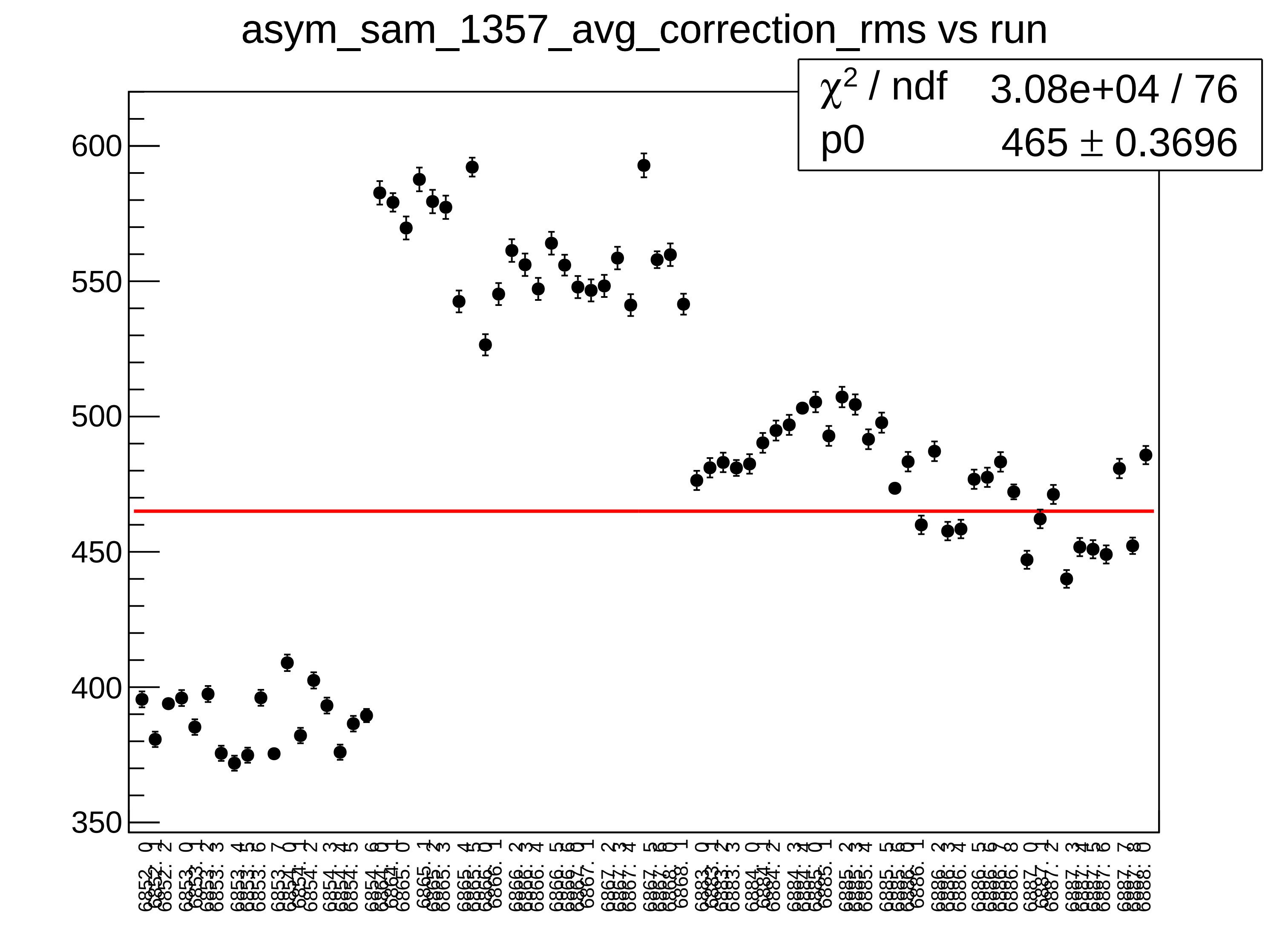


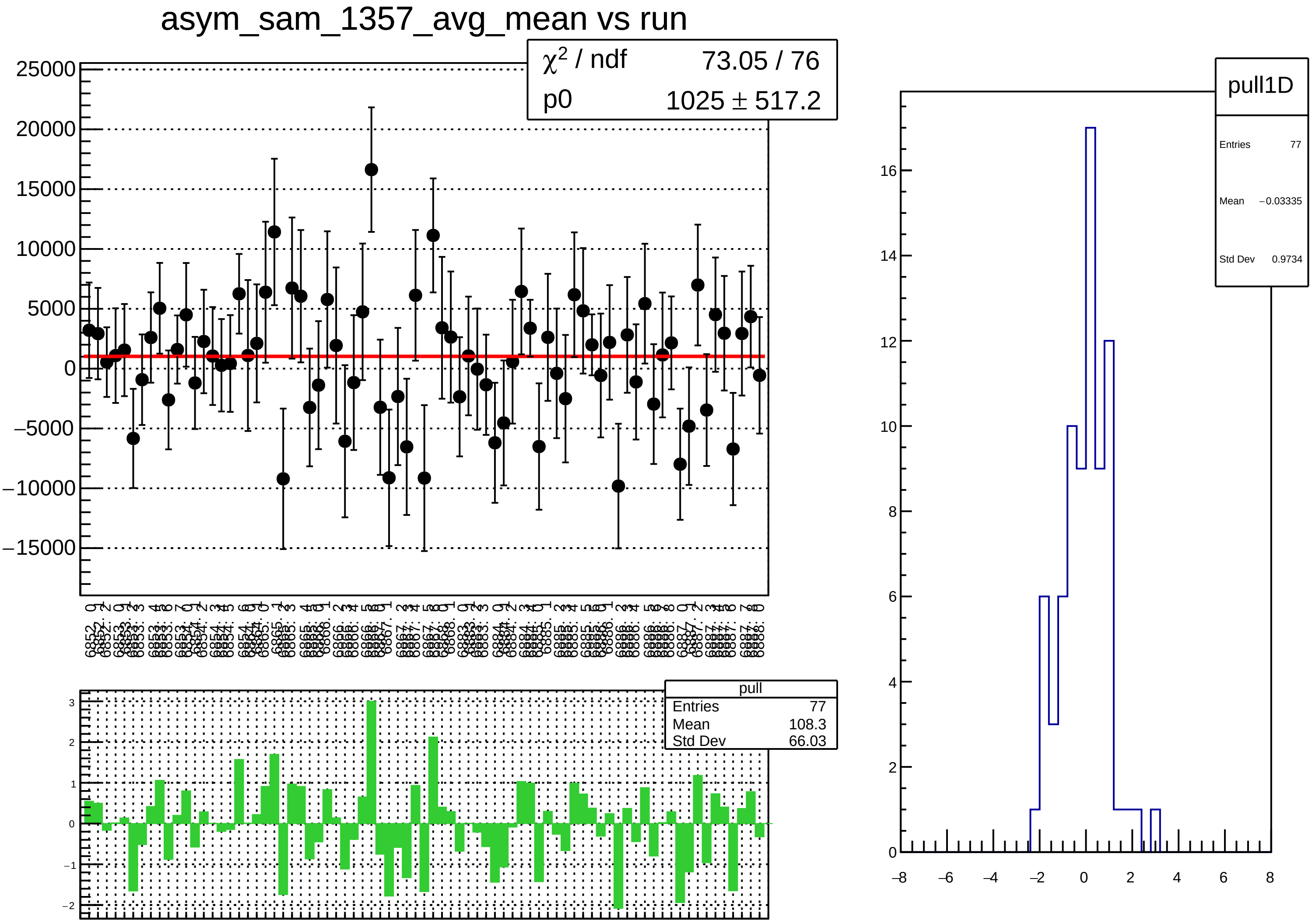
dit_asym_sam_1357_avg_mean vs run
$\chi^2$ / ndf 70.76 / 76
p0 17.36 ± 63.77
pull
Entries 77
Mean −131.9
Std Dev 177.1
pull1D
Entries 77
Mean −0.01601
Std Dev 0.9585

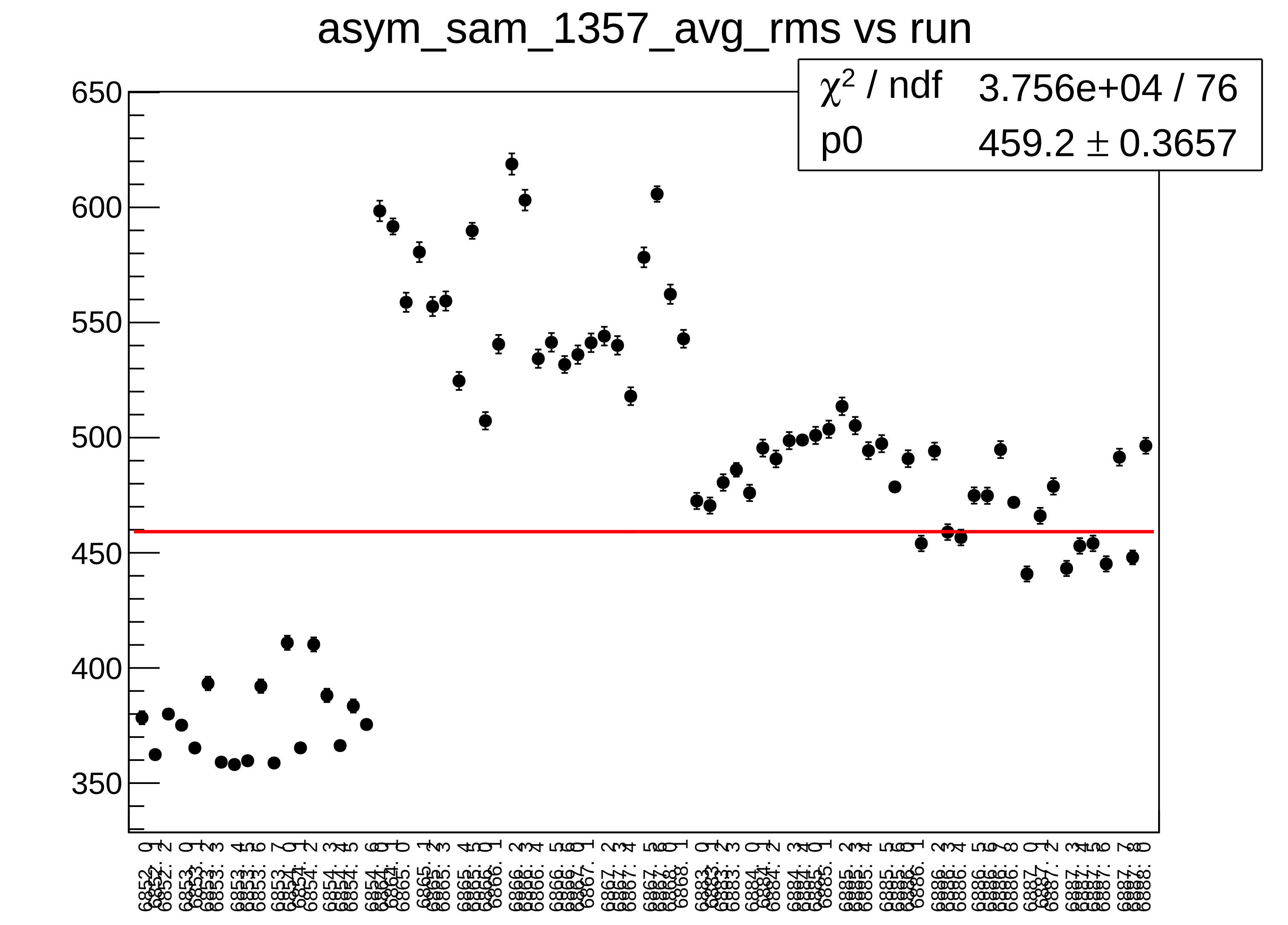

dit_asym_sam_1357_avg_rms vs run
$\chi^2$ / ndf 2.613e+04 / 76
p0 56.82 ± 0.04509
110
100
90
80
70
60
50



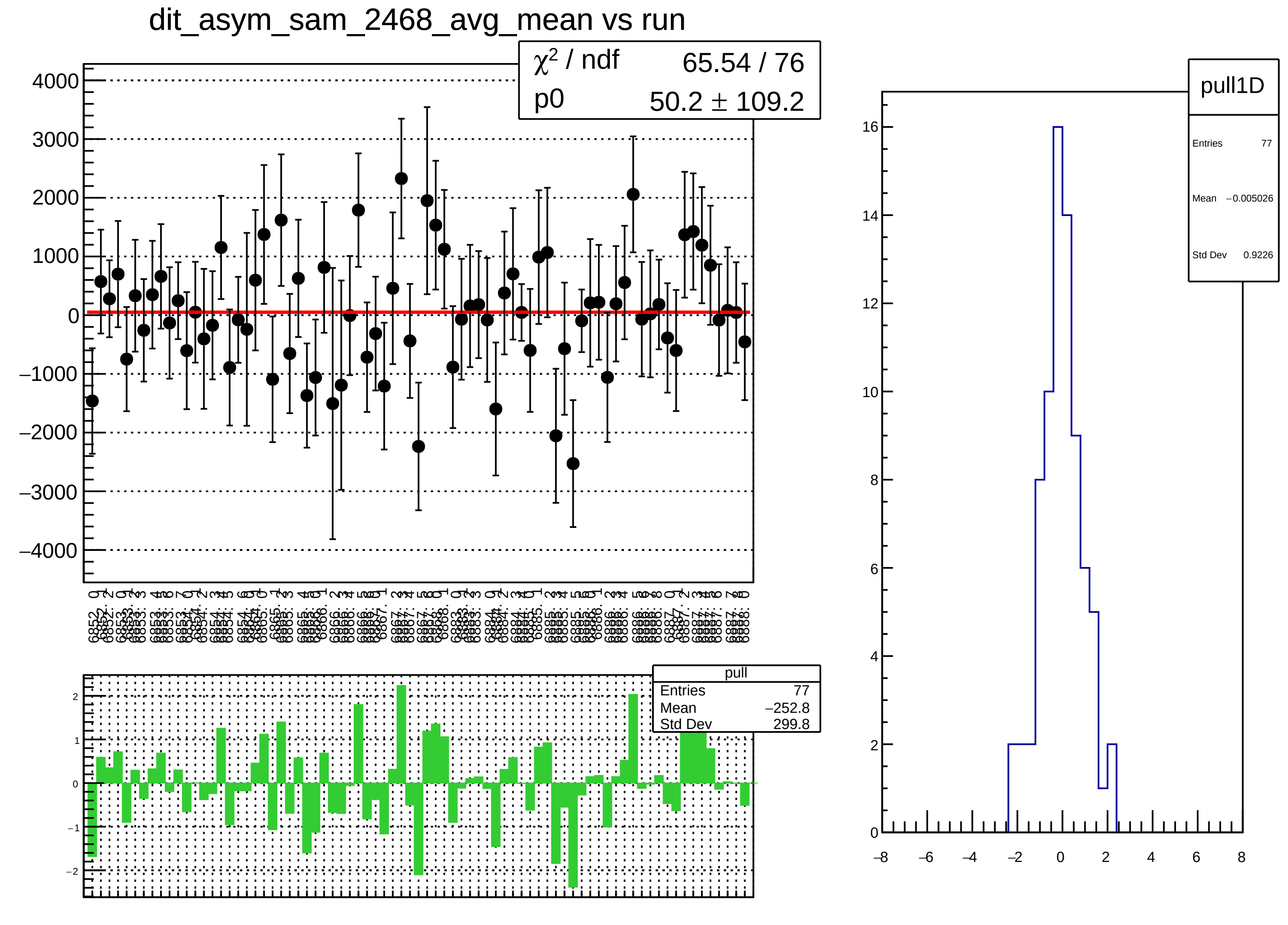
asym_sam_1357_avg_correction_mean vs run
$\chi^2$ / ndf 71.22 / 76
p0 −960.4 ± 522.6
pull
Entries 77
Mean 121.6
Std Dev 79.44
pull1D
Entries 77
Mean 0.02973
Std Dev 0.9613


asym_sam_1357_avg_correction_rms vs run
χ2 / ndf 3.08e+04 / 76
p0 465 ± 0.3696
600
550
500
450
400
350

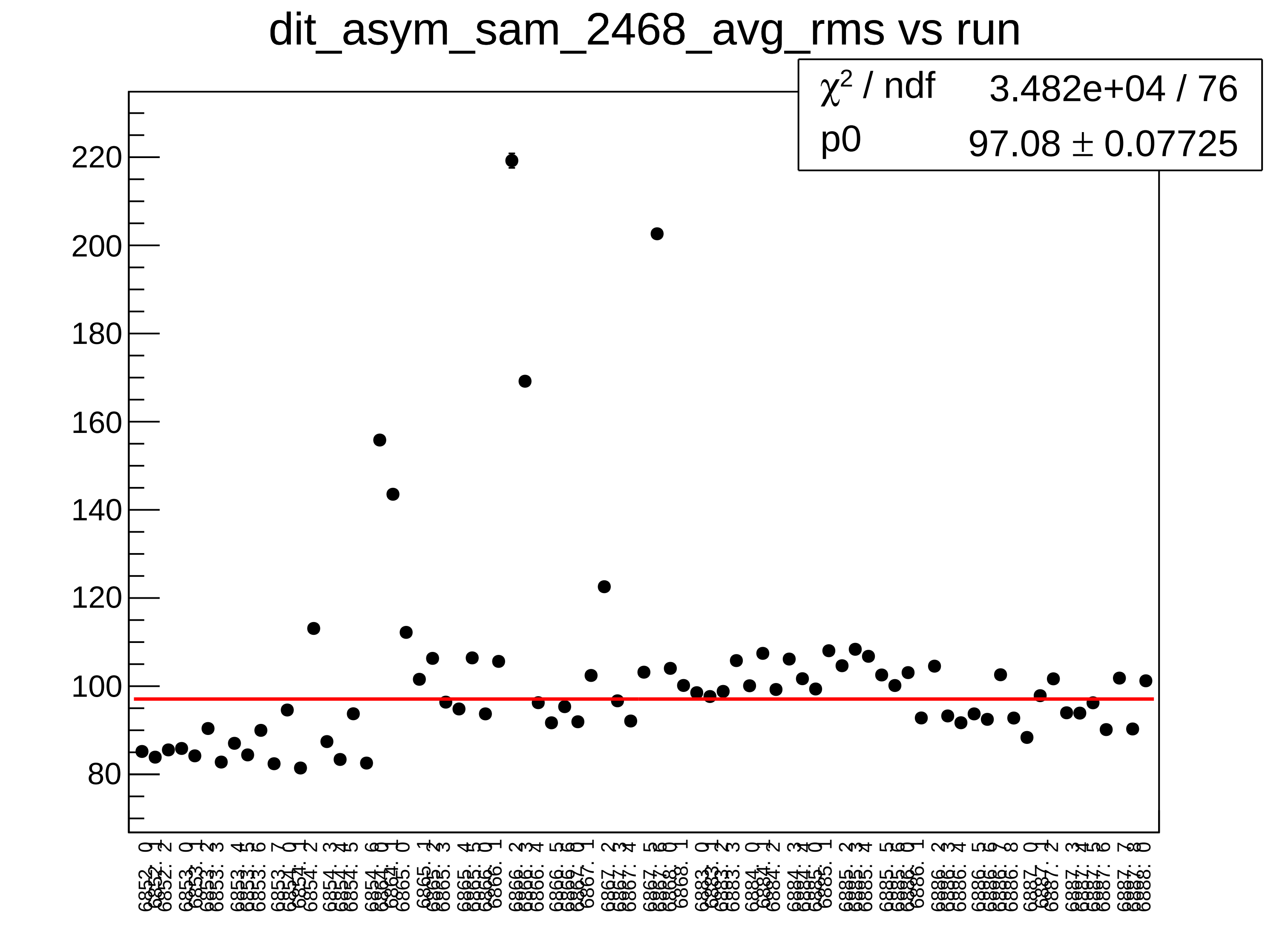

asym_sam_1357_avg_mean vs run
$\chi^2$ / ndf 73.05 / 76
p0 1025 ± 517.2
pull
Entries 77
Mean 108.3
Std Dev 66.03
pull1D
Entries 77
Mean −0.03335
Std Dev 0.9734

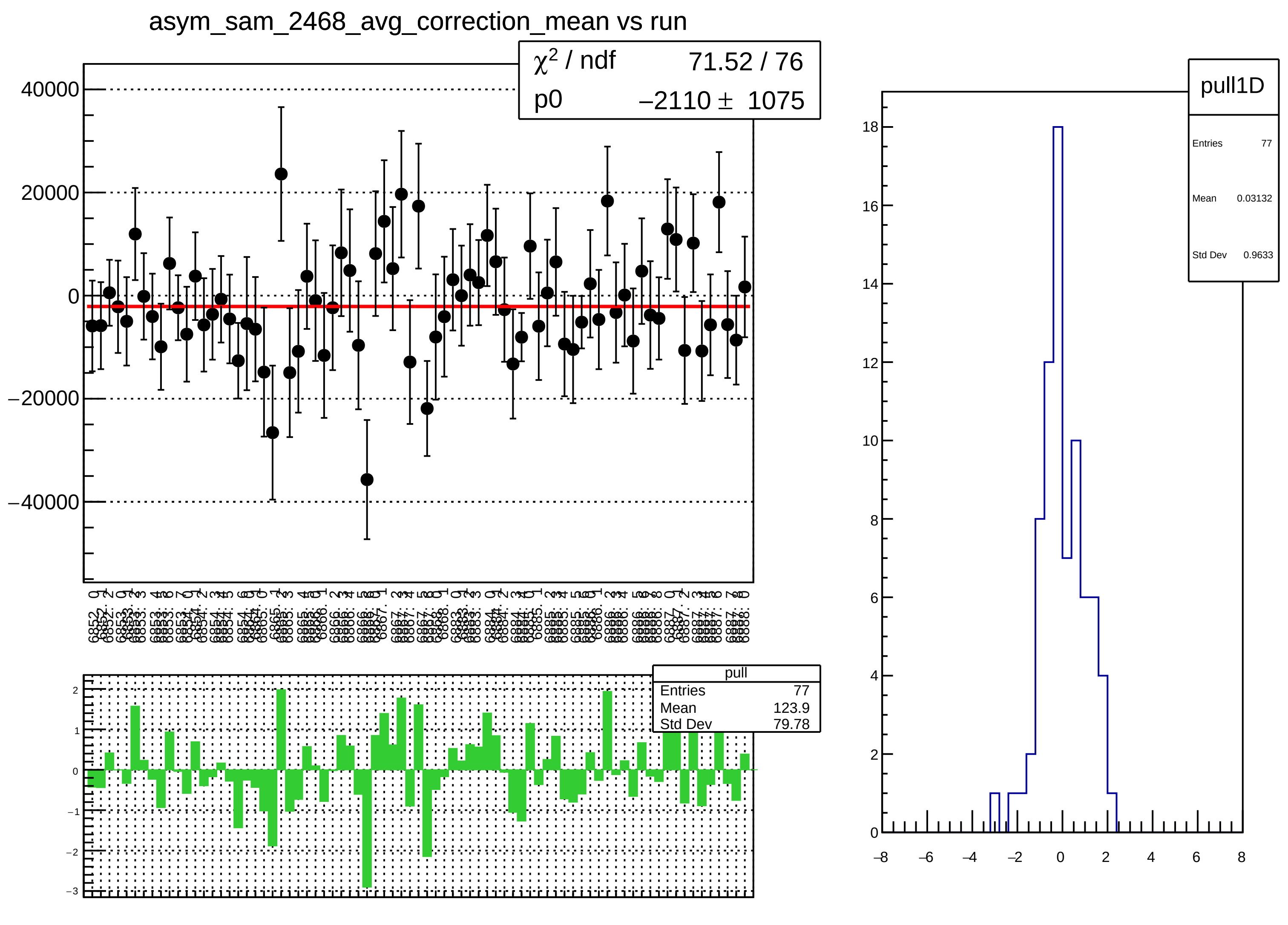


asym_sam_1357_avg_rms vs run
$\chi^2$ / ndf 3.756e+04 / 76
p0 459.2 ± 0.3657
650
600
550
500
450
400
350

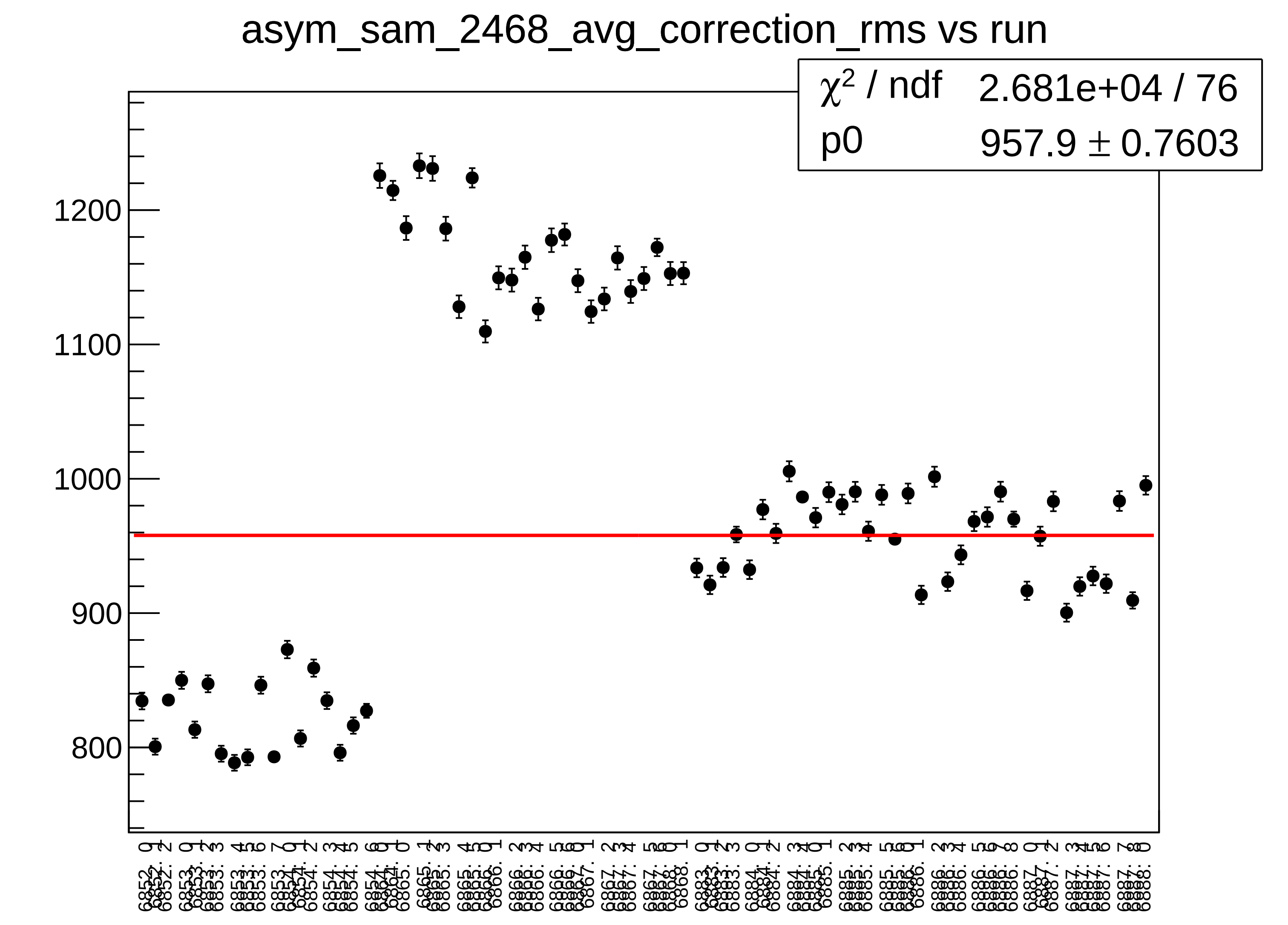


dit_asym_sam_2468_avg_mean vs run
χ2 / ndf 65.54 / 76
p0 50.2 ± 109.2
pull
Entries 77
Mean −252.8
Std Dev 299.8
pull1D
Entries 77
Mean −0.005026
Std Dev 0.9226


dit_asym_sam_2468_avg_rms vs run
χ2 / ndf 3.482e+04 / 76
p0 97.08 ± 0.07725
80
100
120
140
160
180
200
220

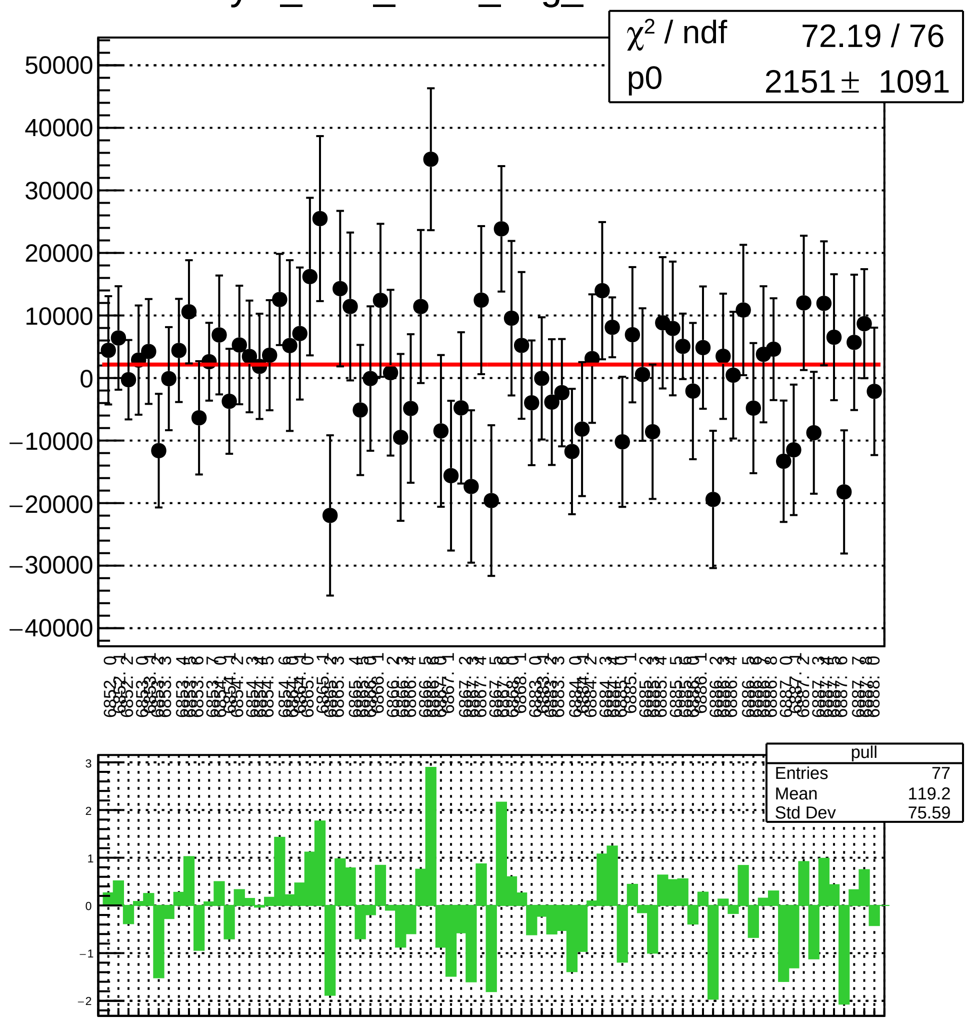


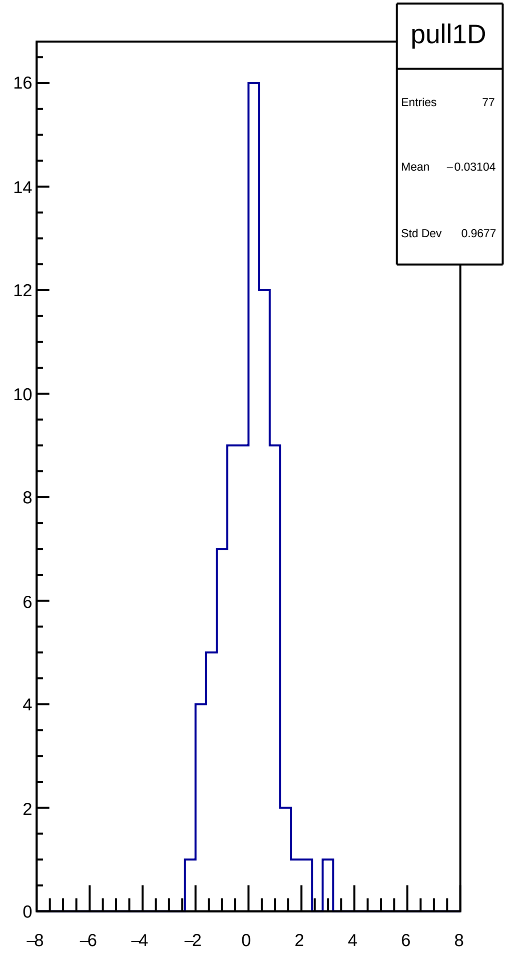
asym_sam_2468_avg_correction_mean vs run
$\chi^2$ / ndf 71.52 / 76
p0 −2110 ± 1075
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 123.9
Std Dev 79.78
pull1D
Entries 77
Mean 0.03132
Std Dev 0.9633

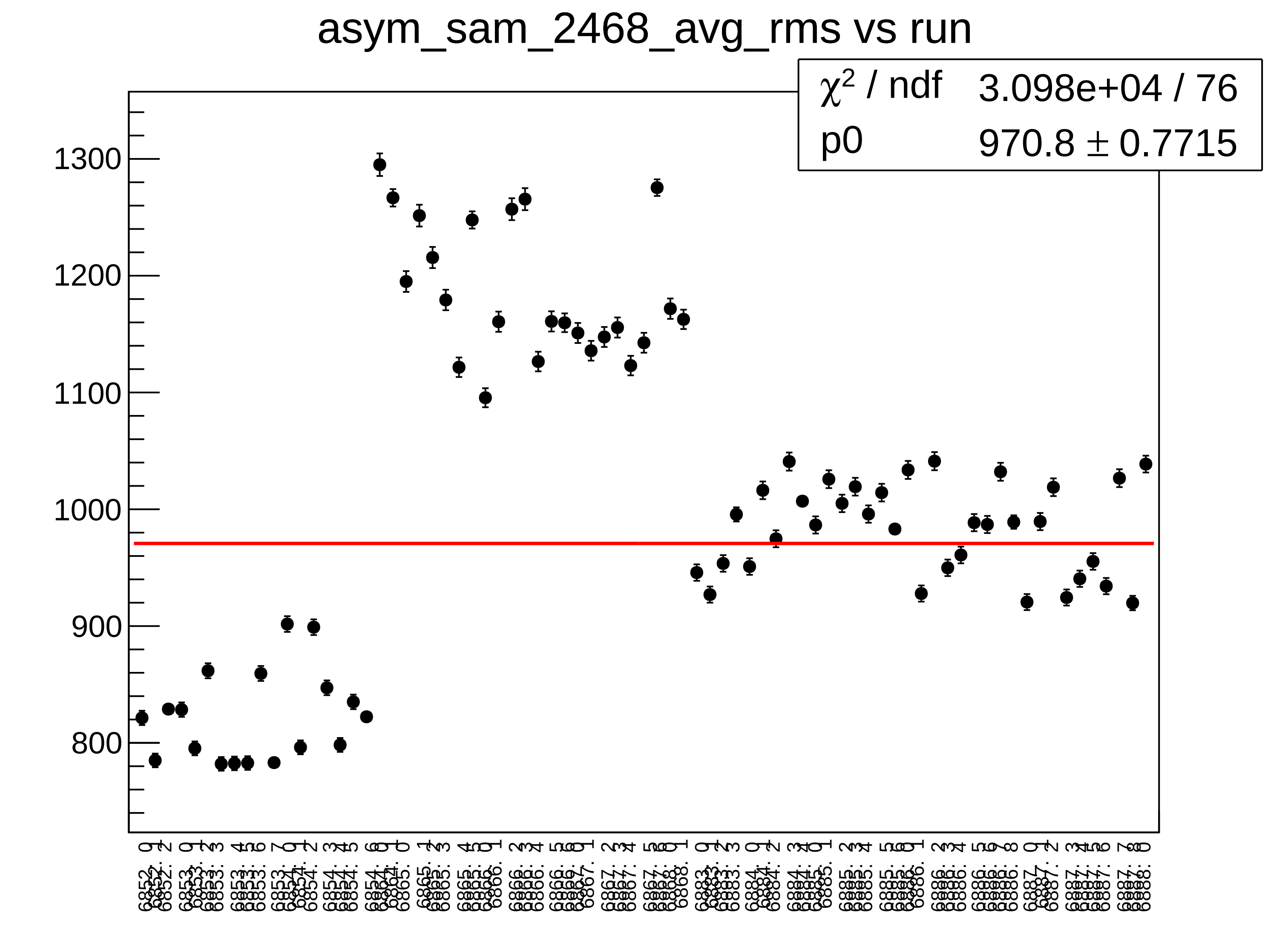


asym_sam_2468_avg_correction_rms vs run
$\chi^2$ / ndf 2.681e+04 / 76
p0 957.9 ± 0.7603
1200
1100
1000
900
800

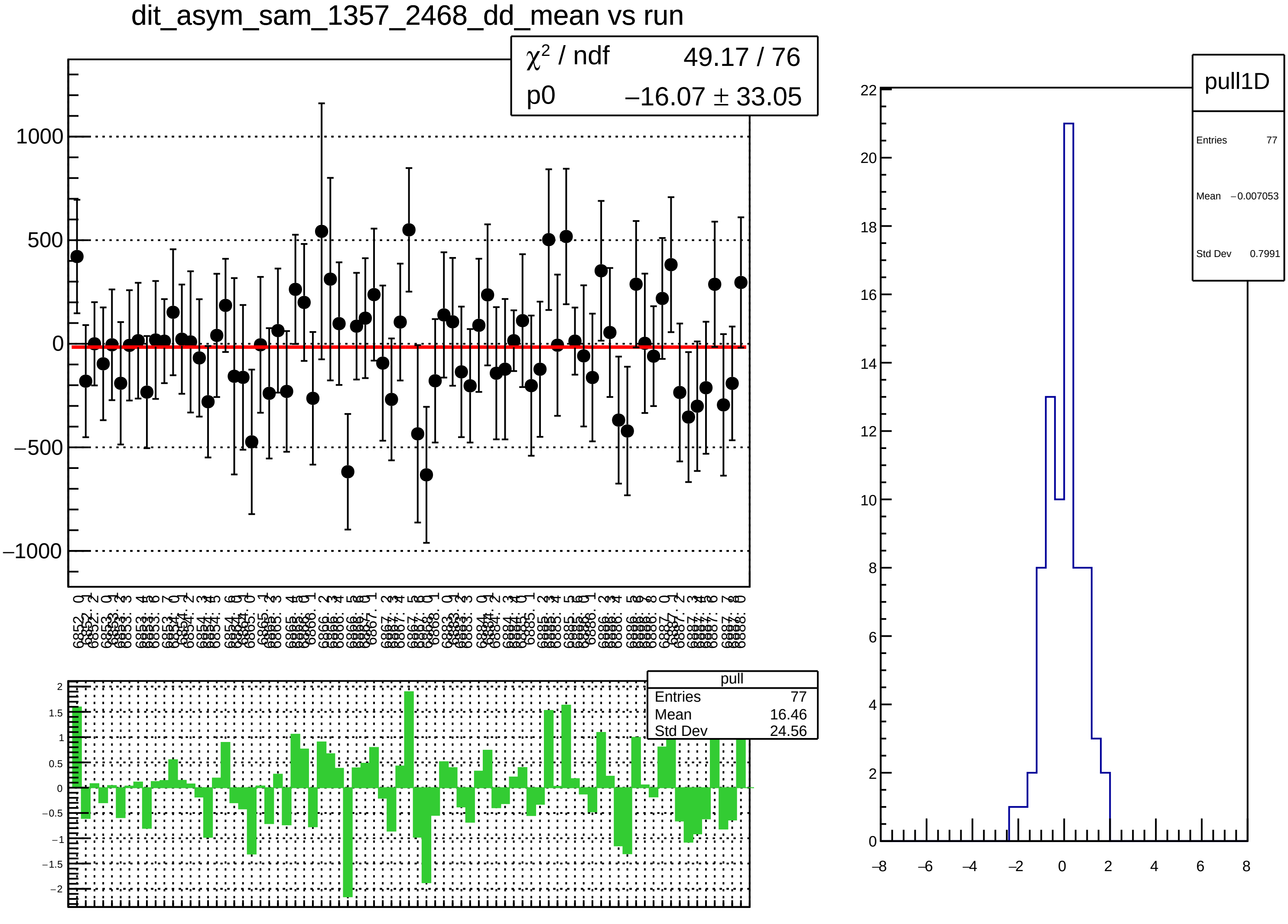
asym_sam_2468_avg_mean vs run



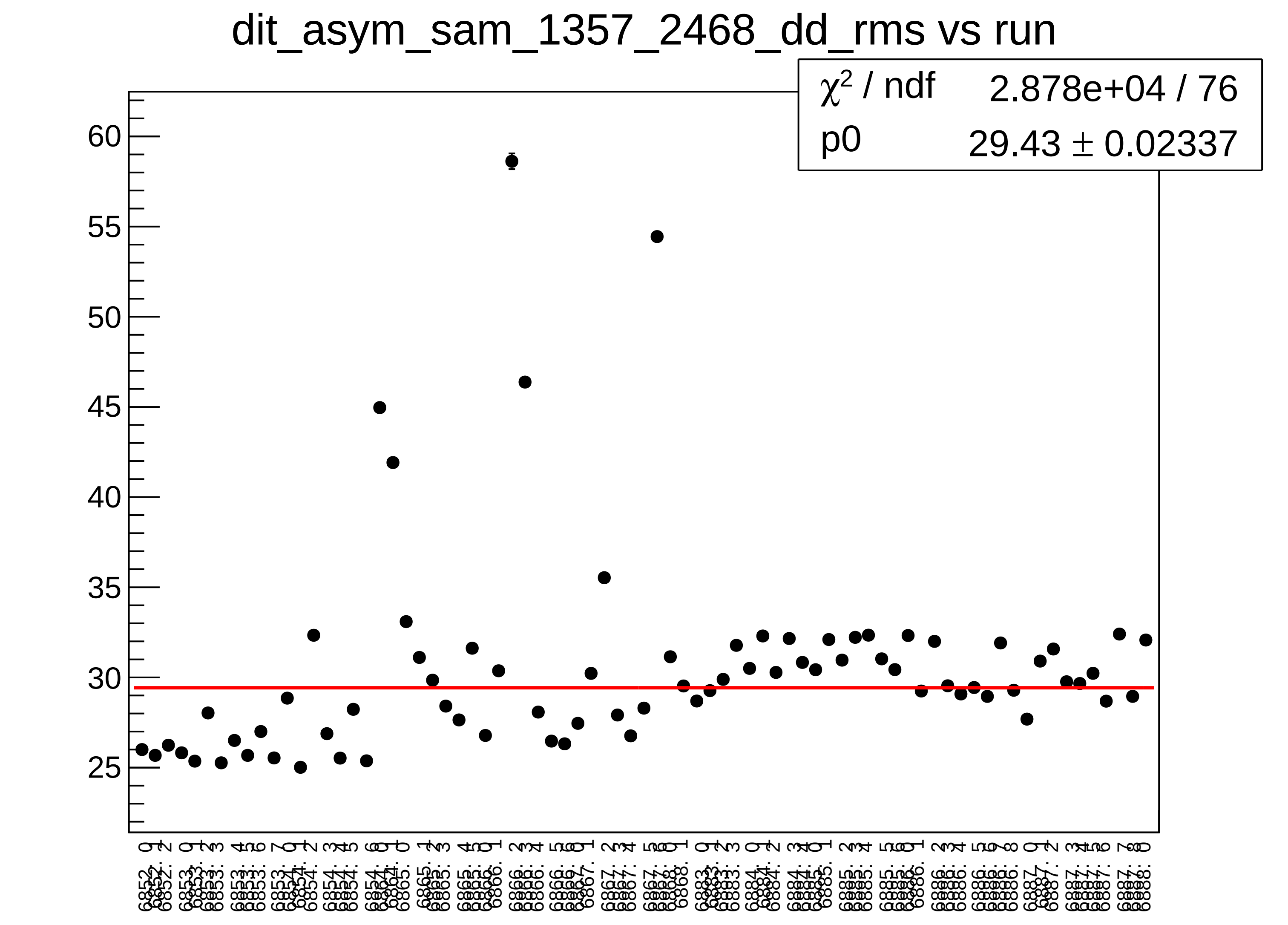





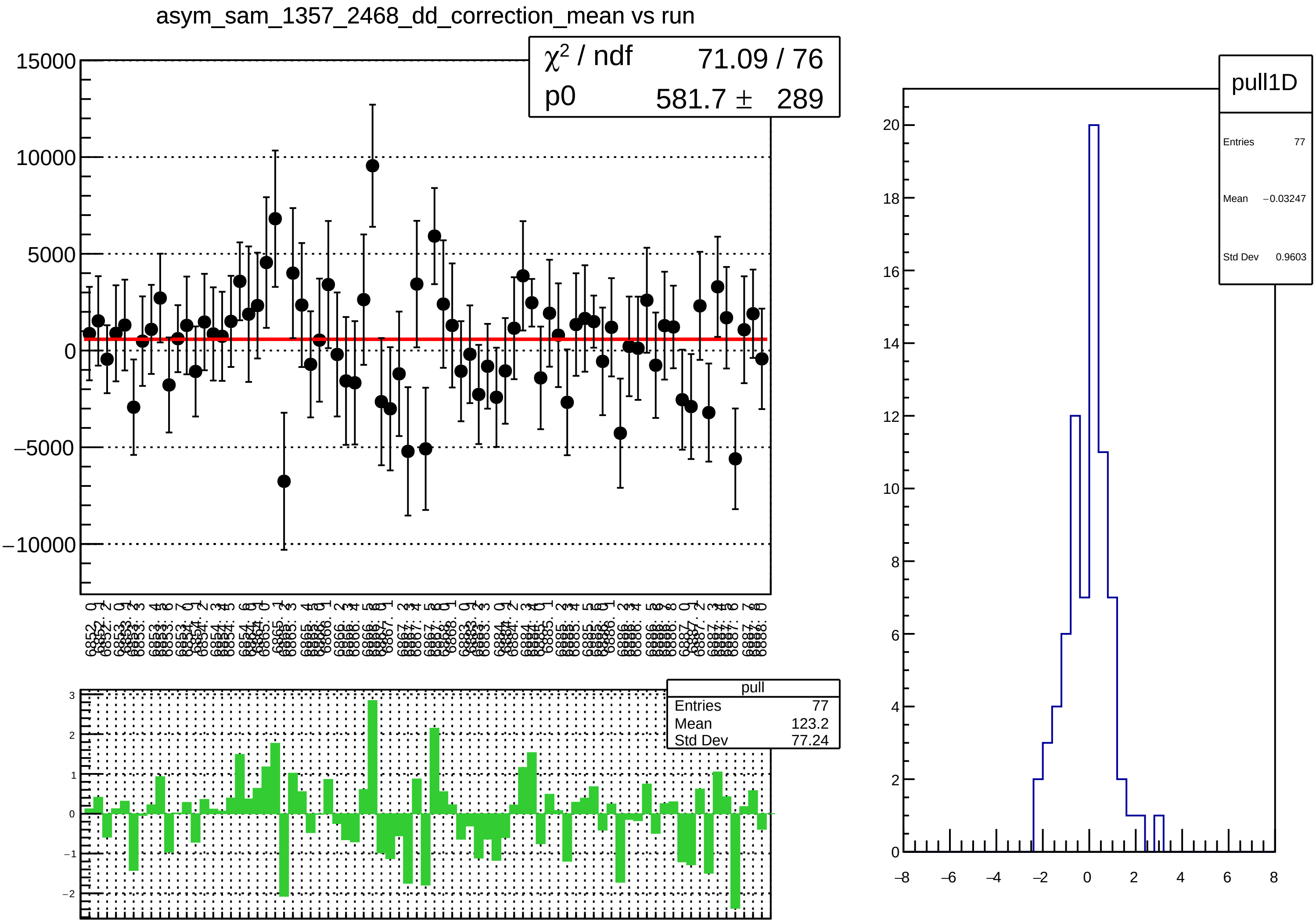
asym_sam_2468_avg_rms vs run
$\chi^2$ / ndf 3.098e+04 / 76
p0 970.8 ± 0.7715
1300
1200
1100
1000
900
800



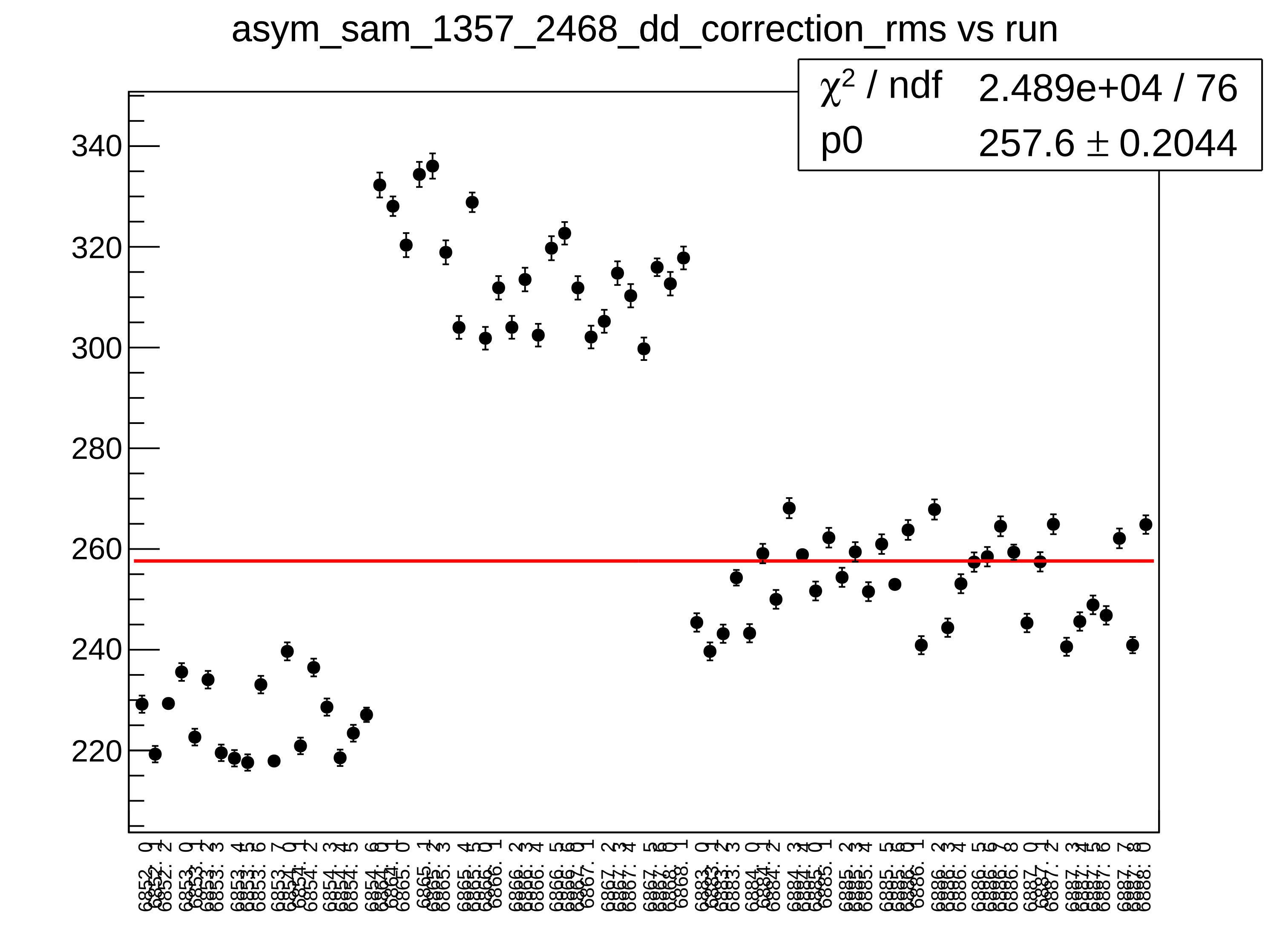
dit_asym_sam_1357_2468_dd_mean vs run
$\chi^2$ / ndf 49.17 / 76
p0 −16.07 ± 33.05
pull
Entries 77
Mean 16.46
Std Dev 24.56
pull1D
Entries 77
Mean −0.007053
Std Dev 0.7991



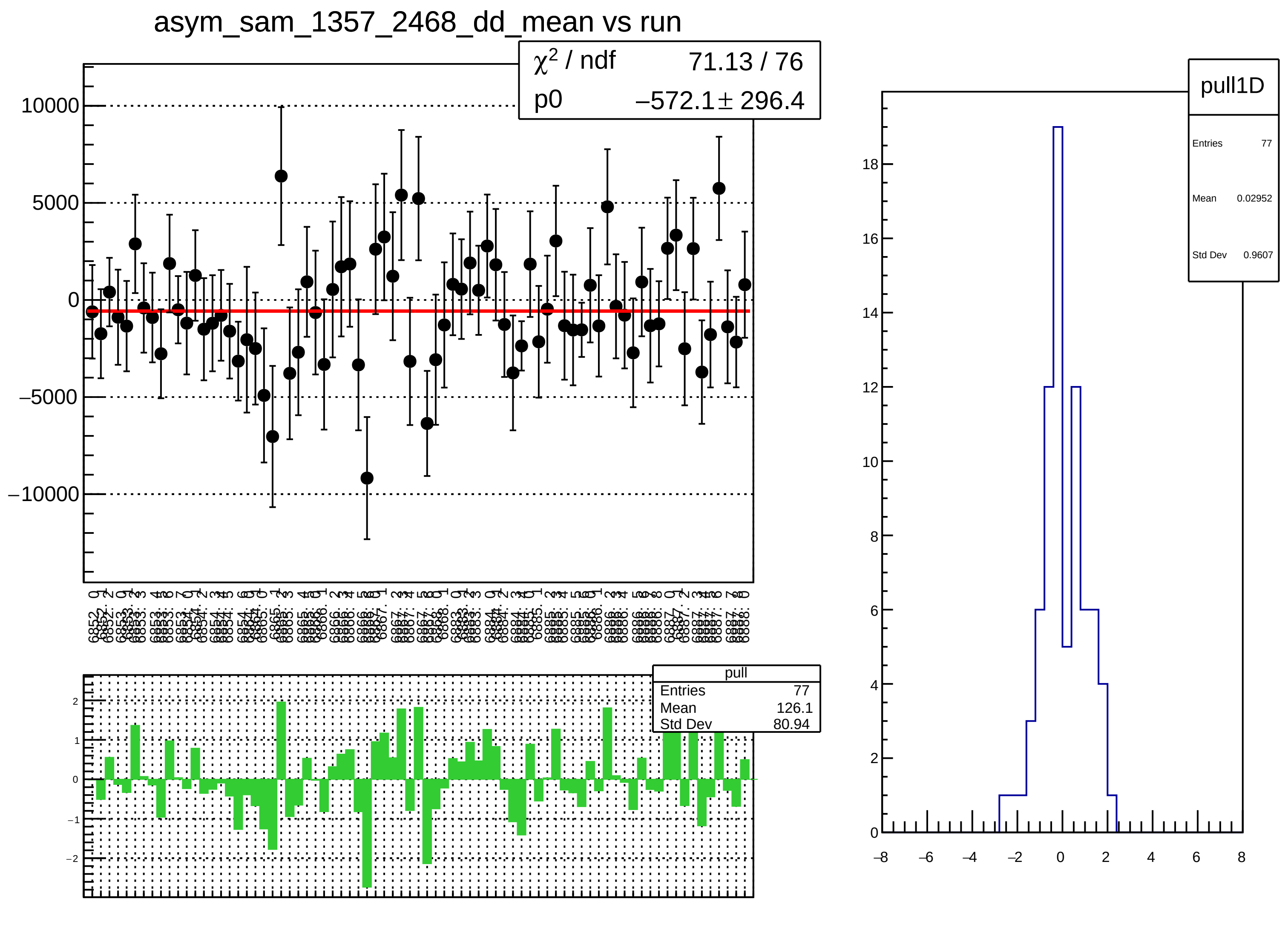
dit_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 2.878e+04 / 76
p0 29.43 ± 0.02337
60
55
50
45
40
35
30
25



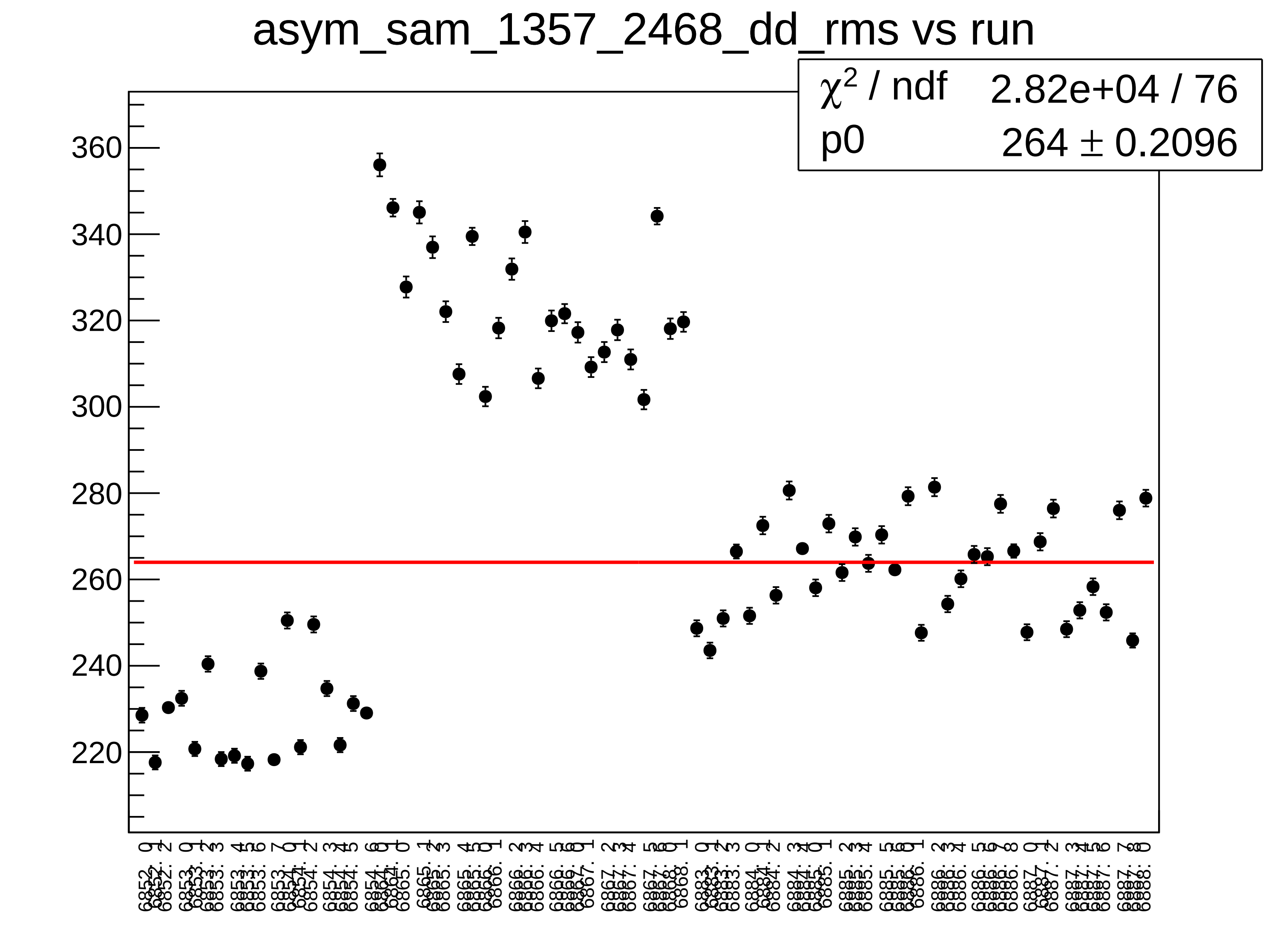
asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 71.09 / 76
p0 581.7 ± 289
pull
Entries 77
Mean 123.2
Std Dev 77.24
pull1D
Entries 77
Mean −0.03247
Std Dev 0.9603



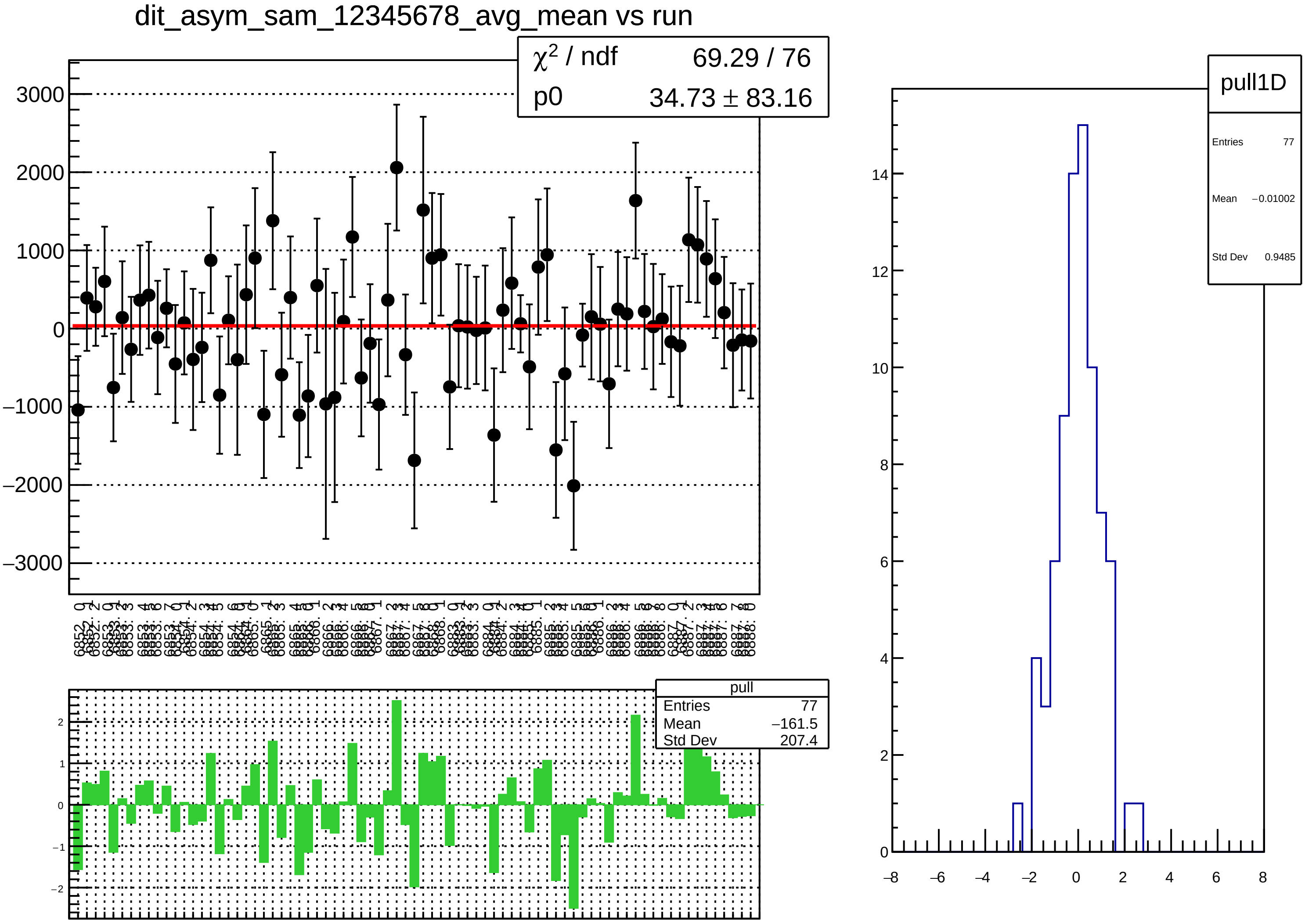
asym_sam_1357_2468_dd_correction_rms vs run
$\chi^2$ / ndf 2.489e+04 / 76
p0 257.6 ± 0.2044
340
320
300
280
260
240
220



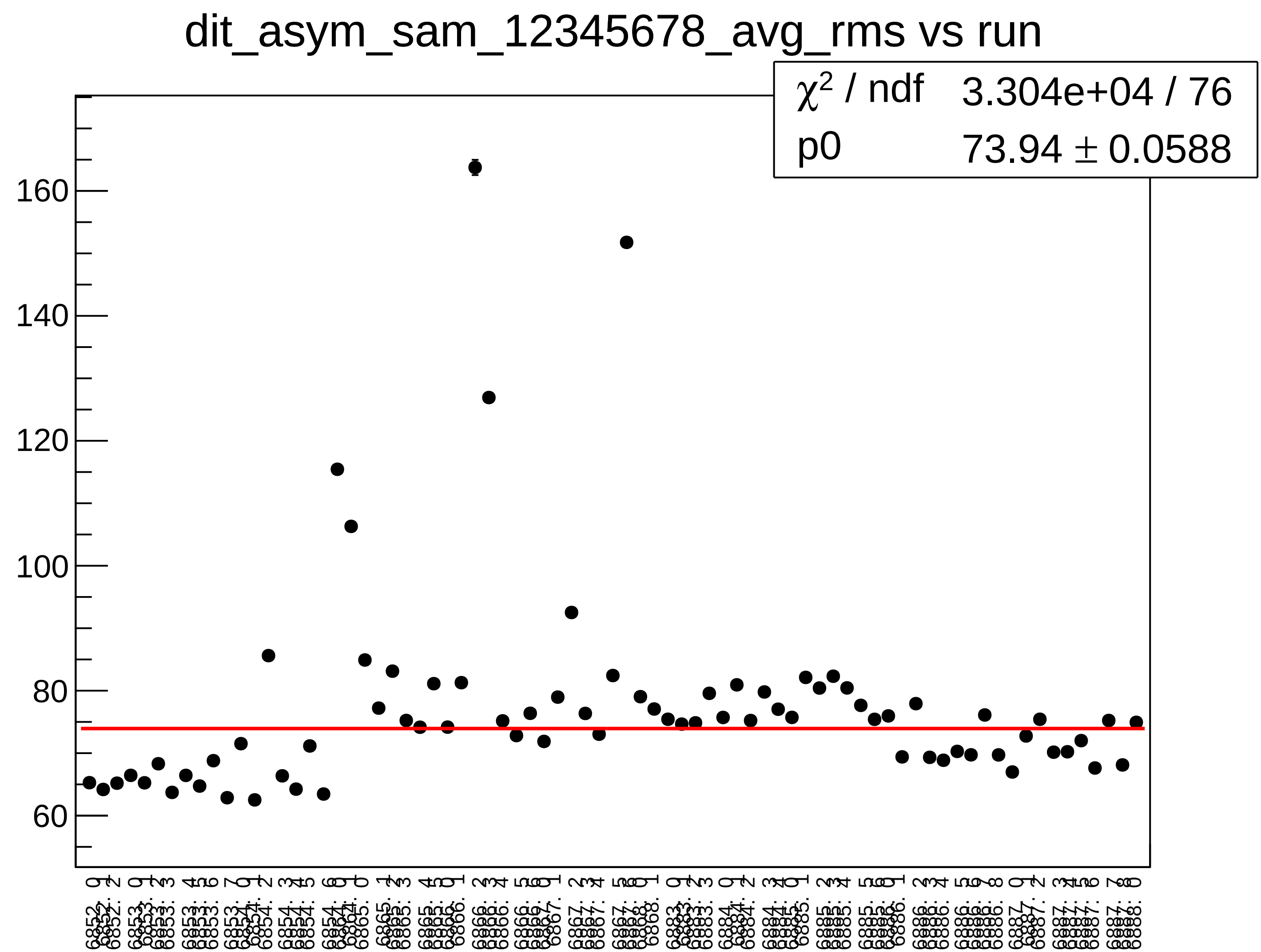
asym_sam_1357_2468_dd_mean vs run
$\chi^2$ / ndf 71.13 / 76
p0 −572.1 ± 296.4
10000
5000
0
−5000
−10000
pull
Entries 77
Mean 126.1
Std Dev 80.94
pull1D
Entries 77
Mean 0.02952
Std Dev 0.9607



asym_sam_1357_2468_dd_rms vs run
$\chi^2$ / ndf 2.82e+04 / 76
p0 264 ± 0.2096
360
340
320
300
280
260
240
220

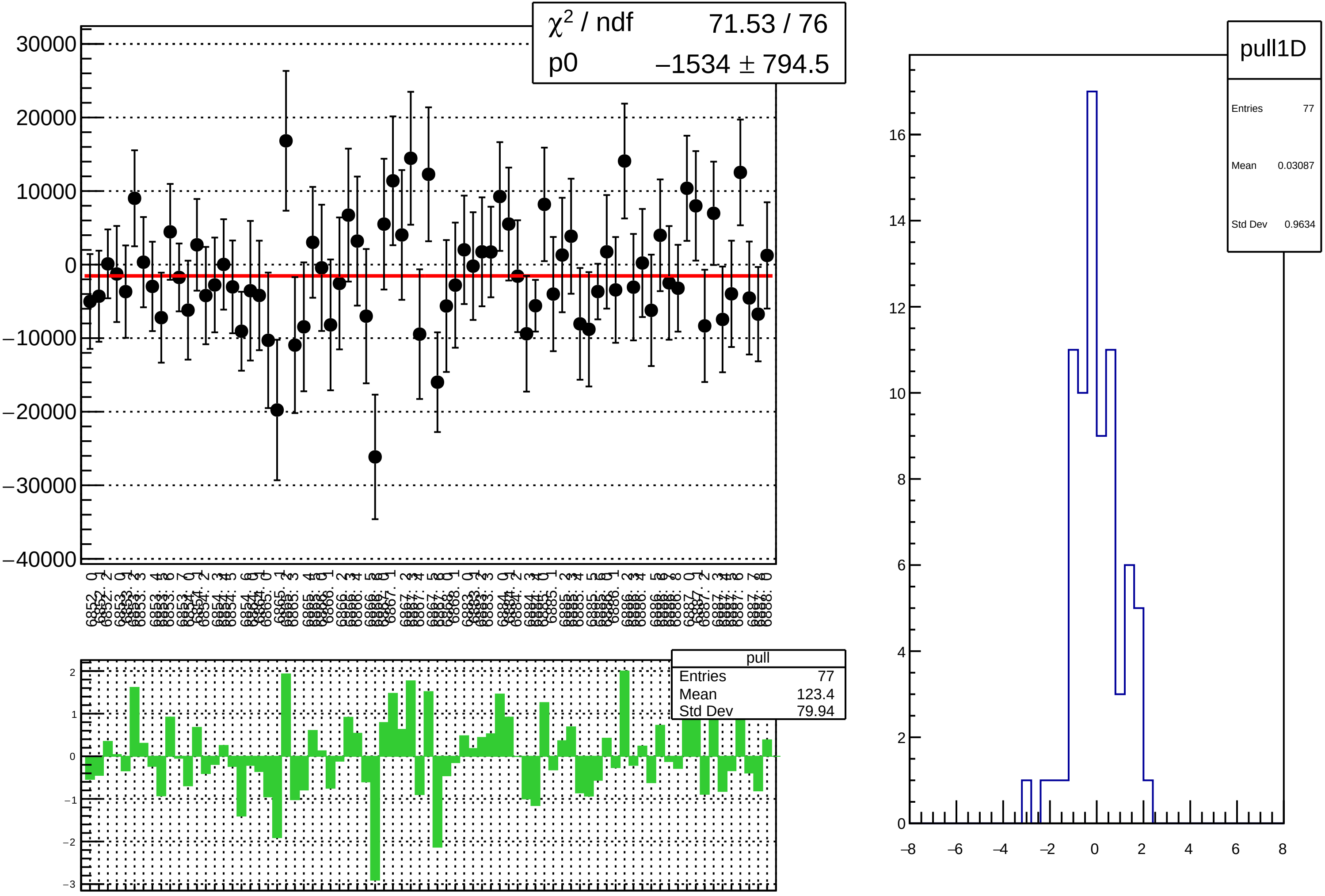


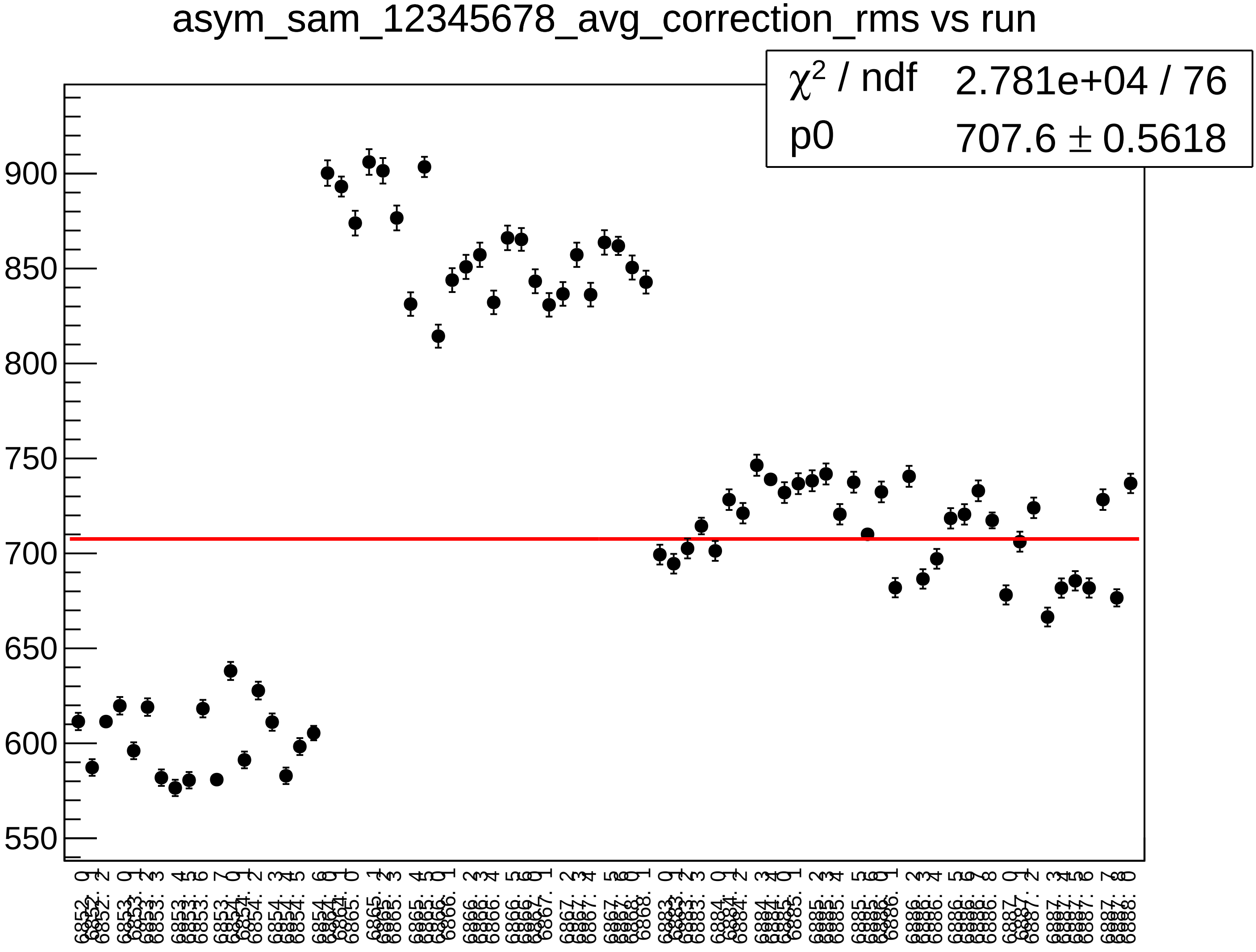
dit_asym_sam_12345678_avg_mean vs run
χ2 / ndf 69.29 / 76
p0 34.73 ± 83.16
pull
Entries 77
Mean −161.5
Std Dev 207.4
pull1D
Entries 77
Mean −0.01002
Std Dev 0.9485

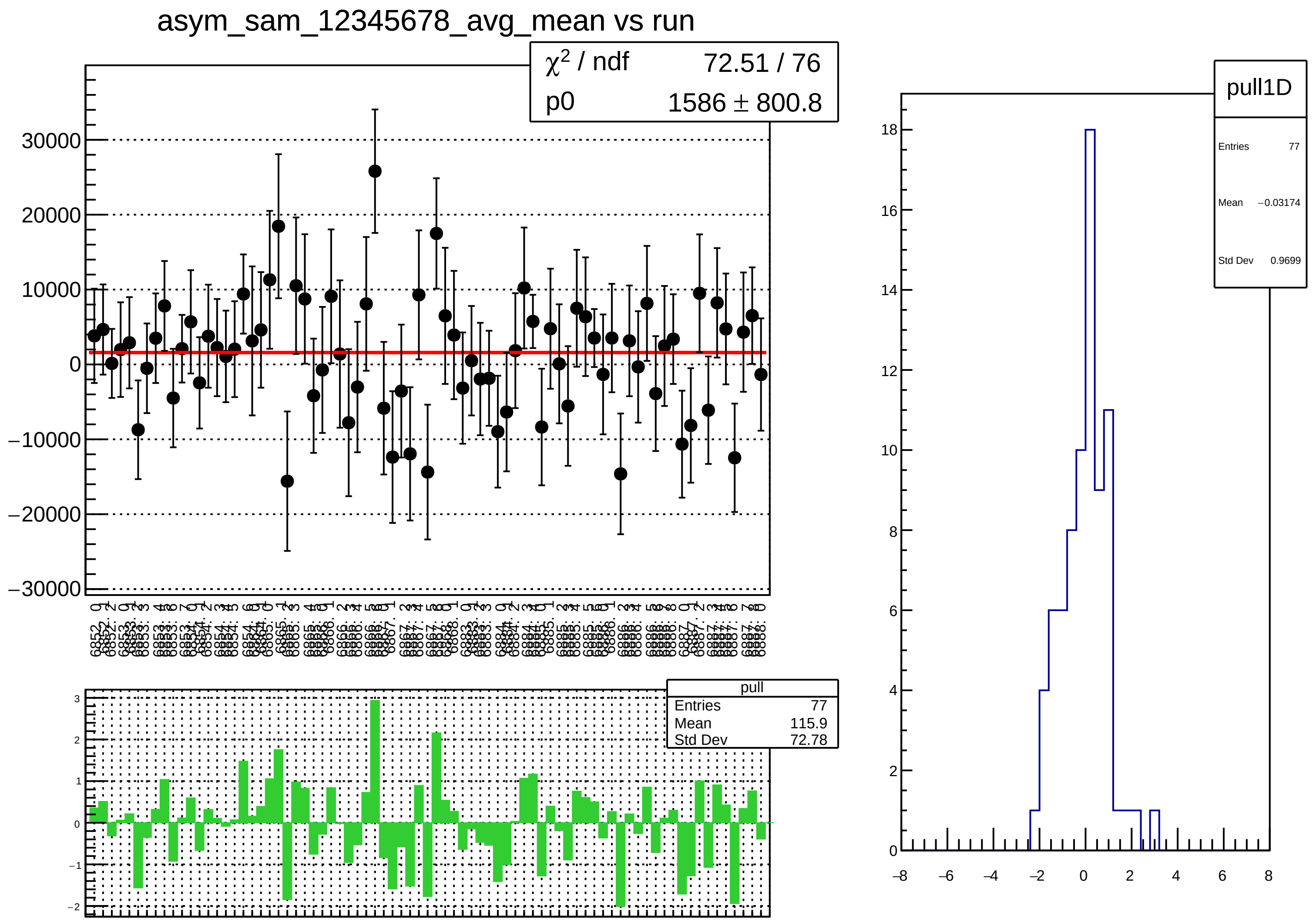


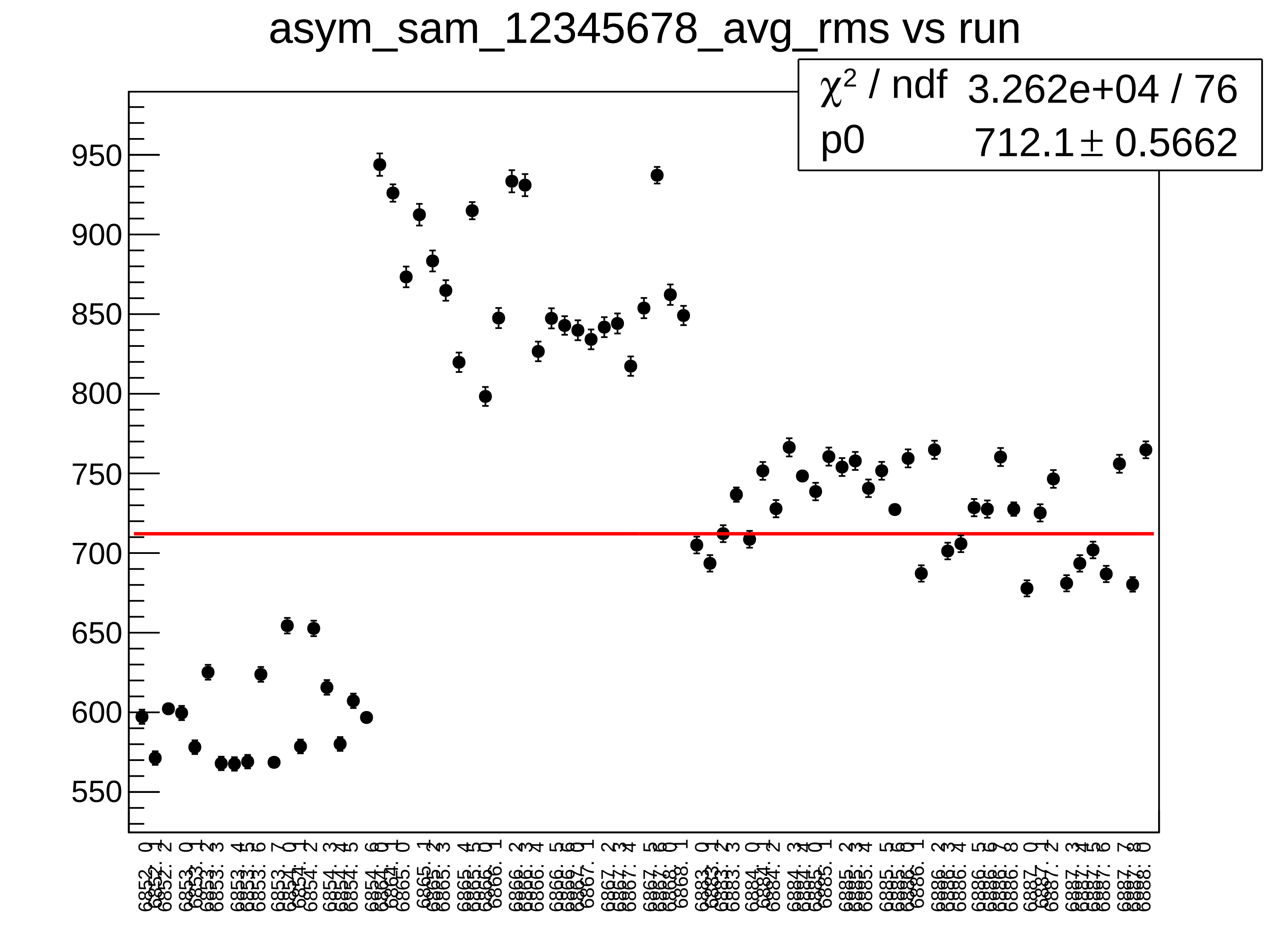
dit_asym_sam_12345678_avg_rms vs run
$\chi^2$ / ndf 3.304e+04 / 76
p0 73.94 ± 0.0588
160
140
120
100
80
60

asym_sam_12345678_avg_correction_mean vs run

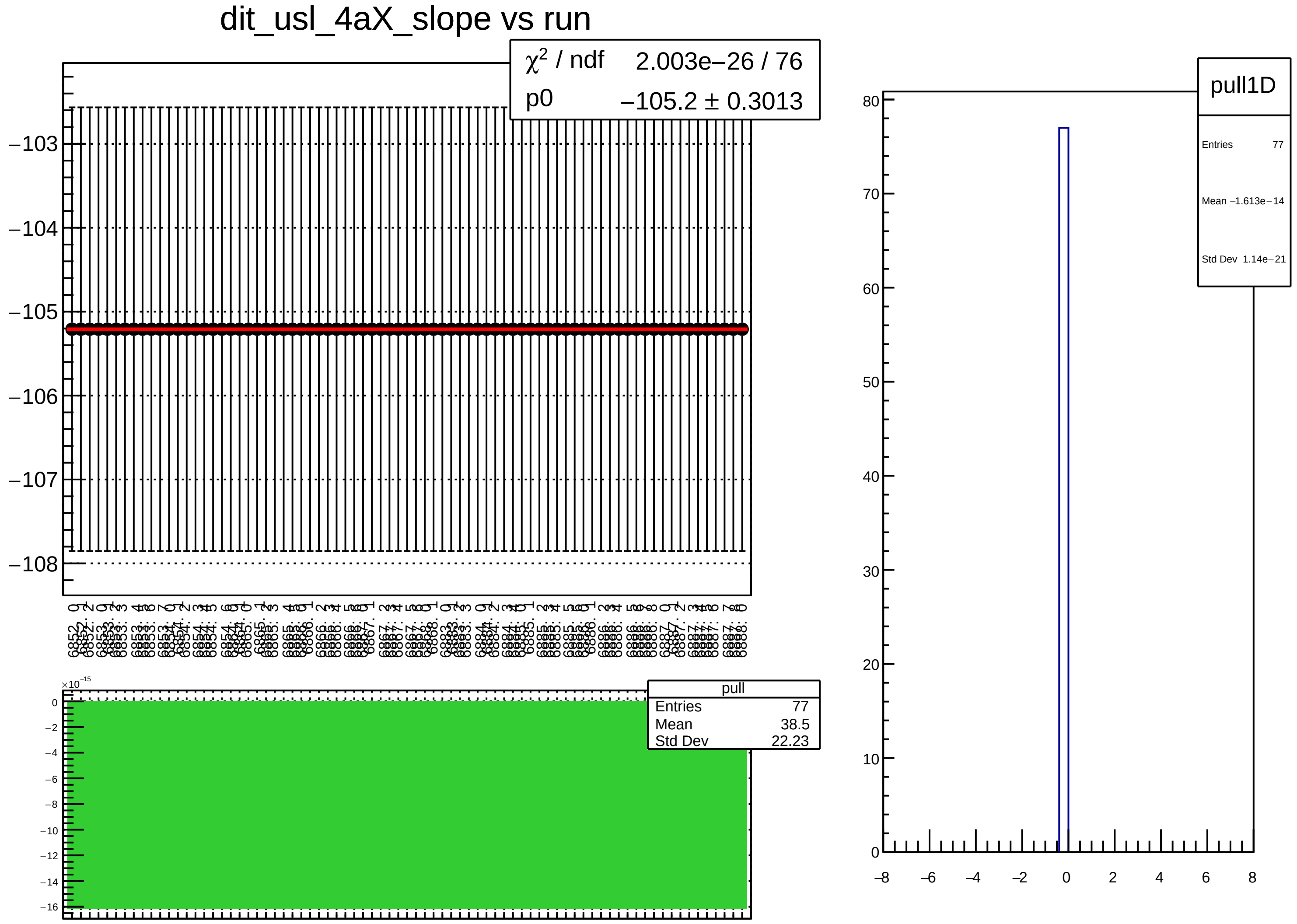



asym_sam_12345678_avg_correction_rms vs run
χ2 / ndf 2.781e+04 / 76
p0 707.6 ± 0.5618
900
850
800
750
700
650
600
550

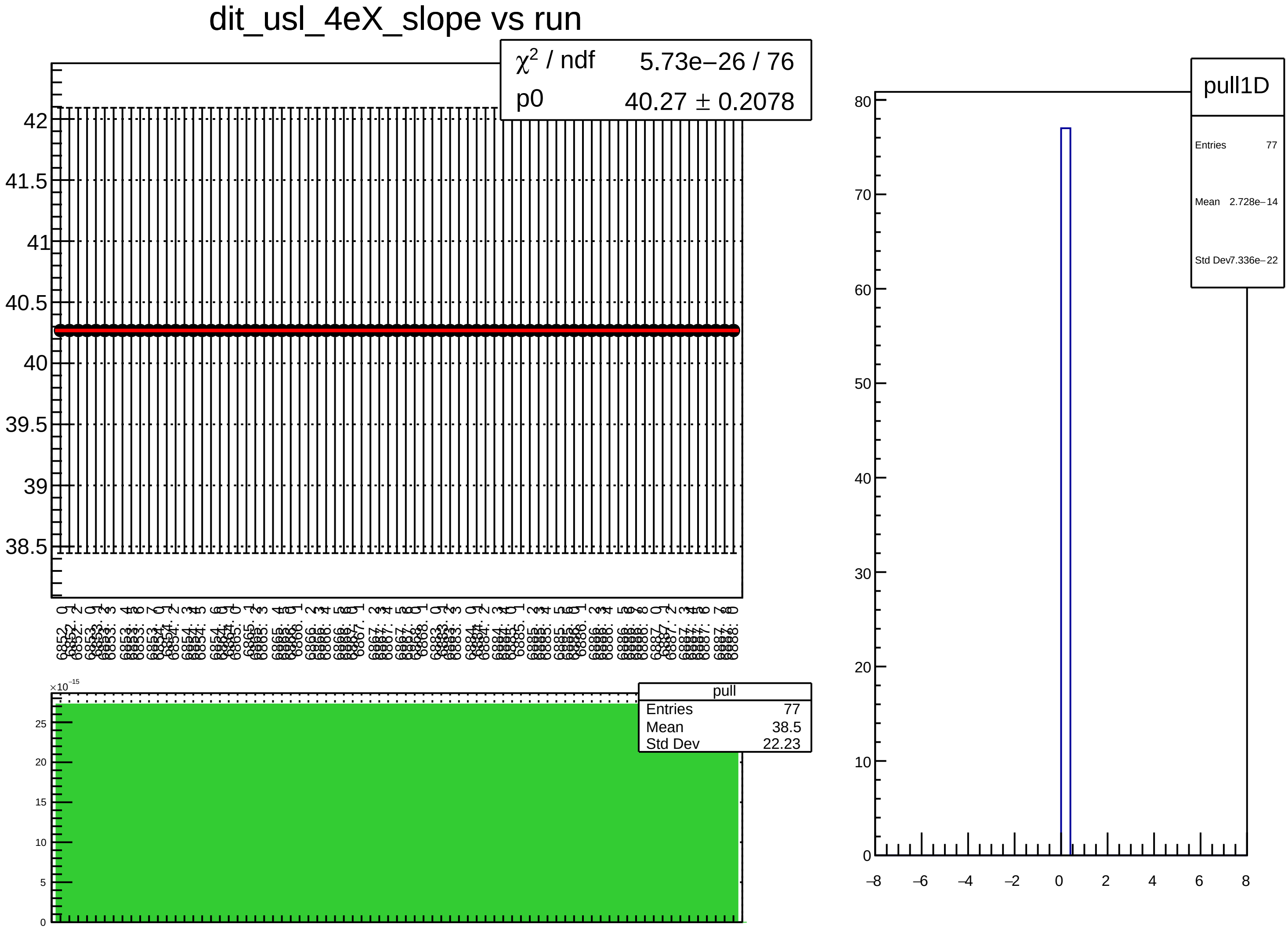

asym_sam_12345678_avg_mean vs run
χ2 / ndf 72.51 / 76
p0 1586 ± 800.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 77
Mean 115.9
Std Dev 72.78
pull1D
Entries 77
Mean −0.03174
Std Dev 0.9699



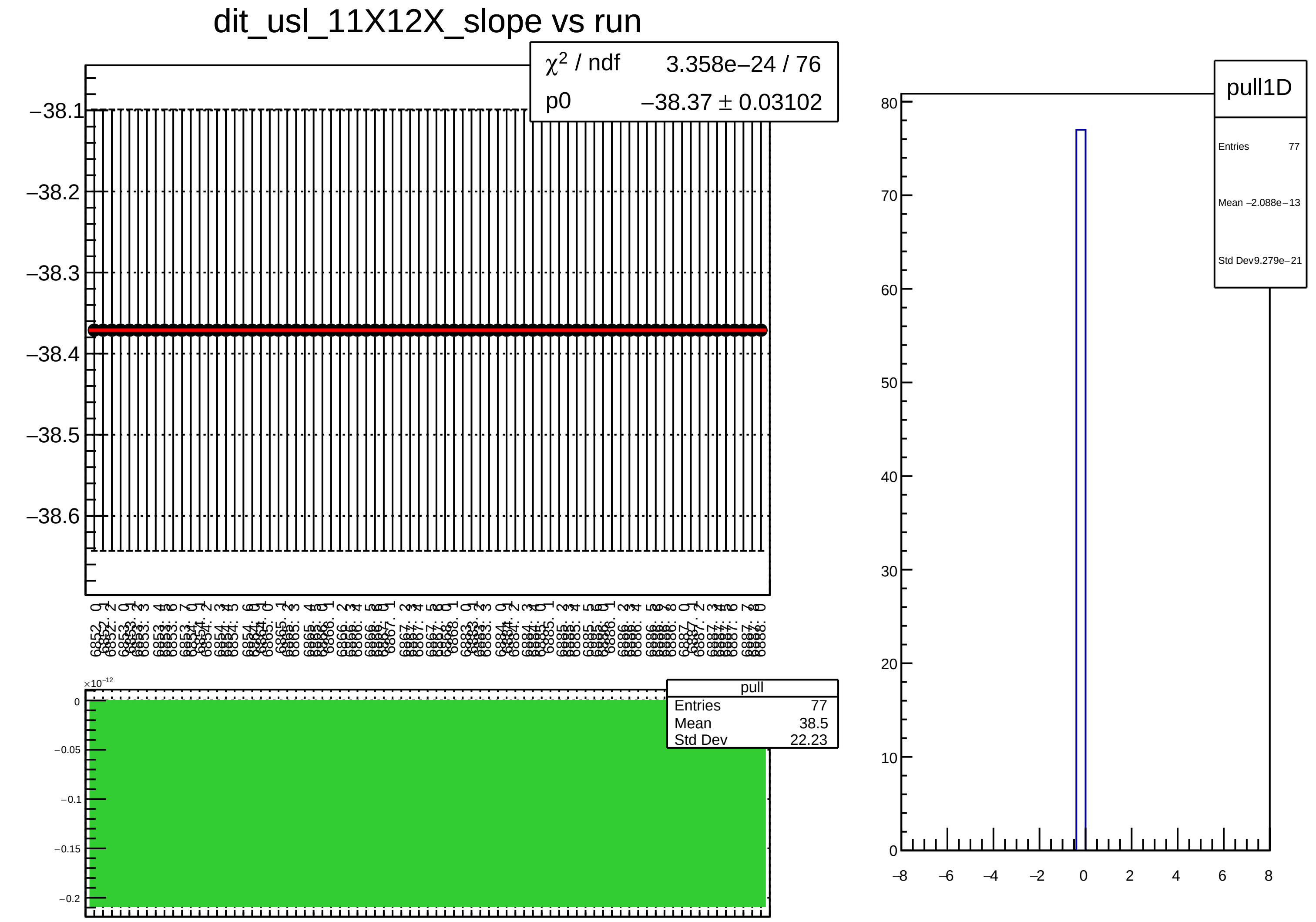
asym_sam_12345678_avg_rms vs run
$\chi^2$ / ndf 3.262e+04 / 76
p0 712.1 ± 0.5662
950
900
850
800
750
700
650
600
550



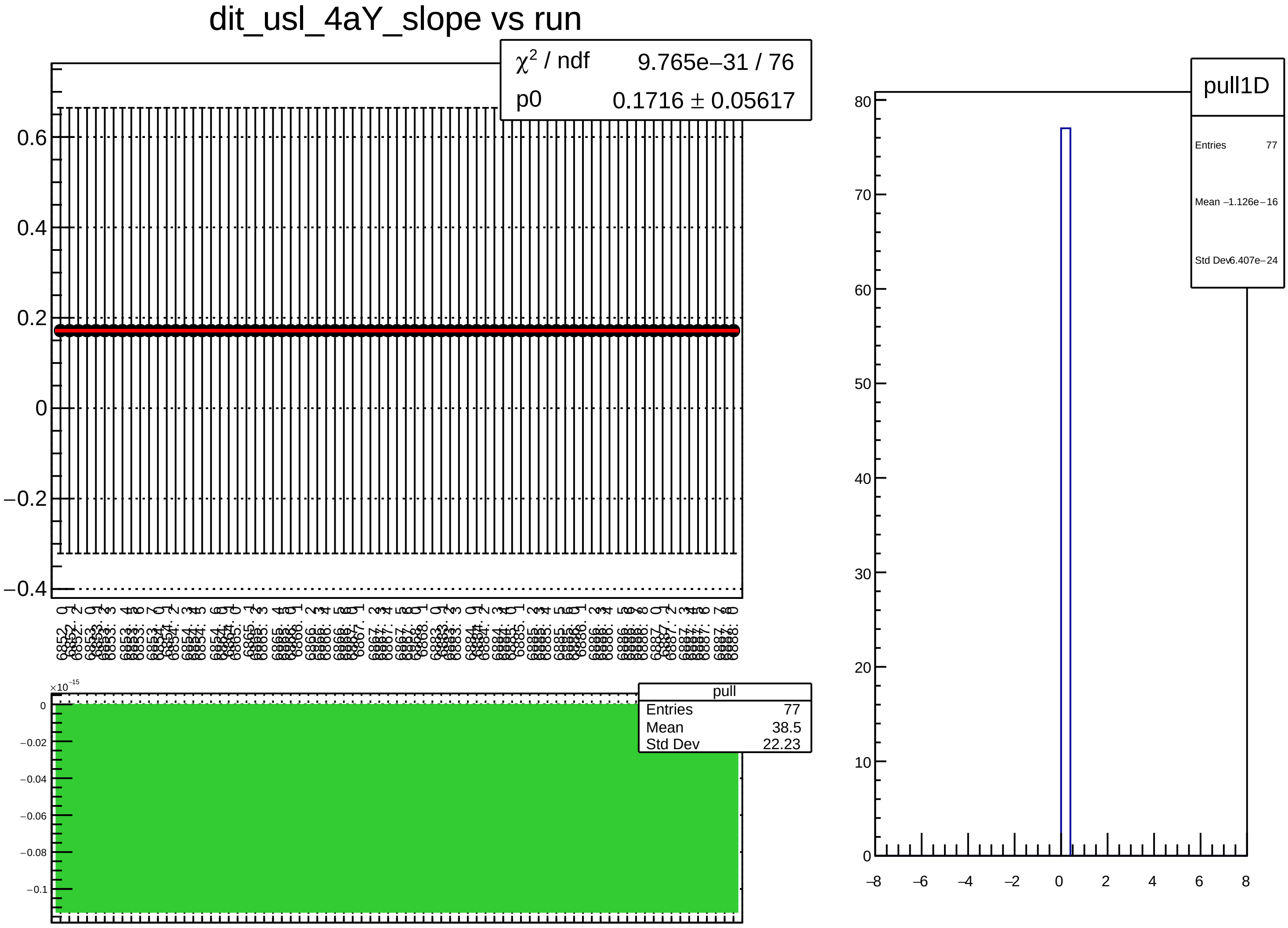
dit_usl_4aX_slope vs run
$\chi^2$ / ndf 2.003e−26 / 76
p0 −105.2 ± 0.3013
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.613e−14
Std Dev 1.14e−21



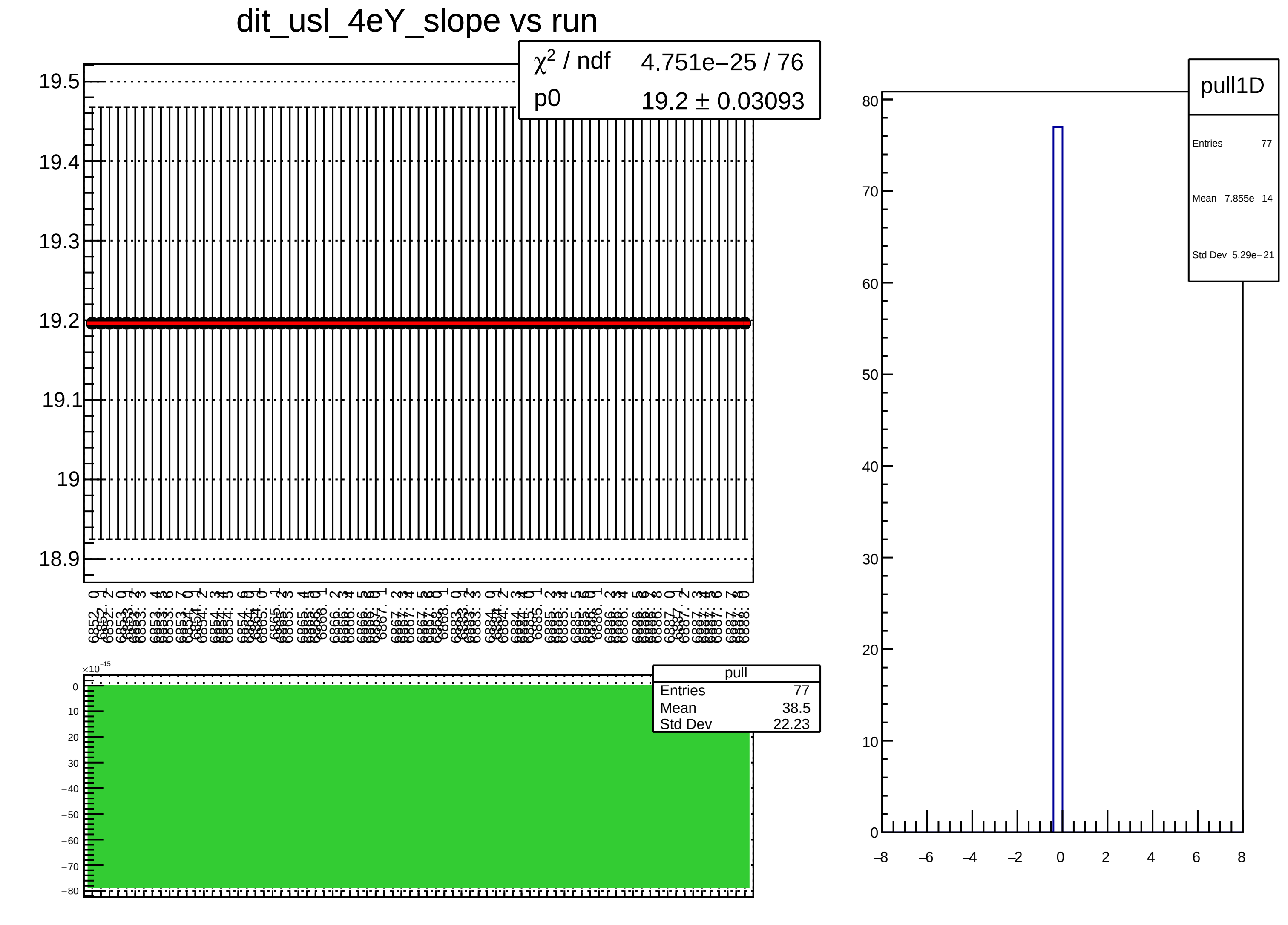
dit_usl_4eX_slope vs run
$\chi^2$ / ndf 5.73e−26 / 76
p0 40.27 ± 0.2078
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 2.728e−14
Std Dev 7.336e−22



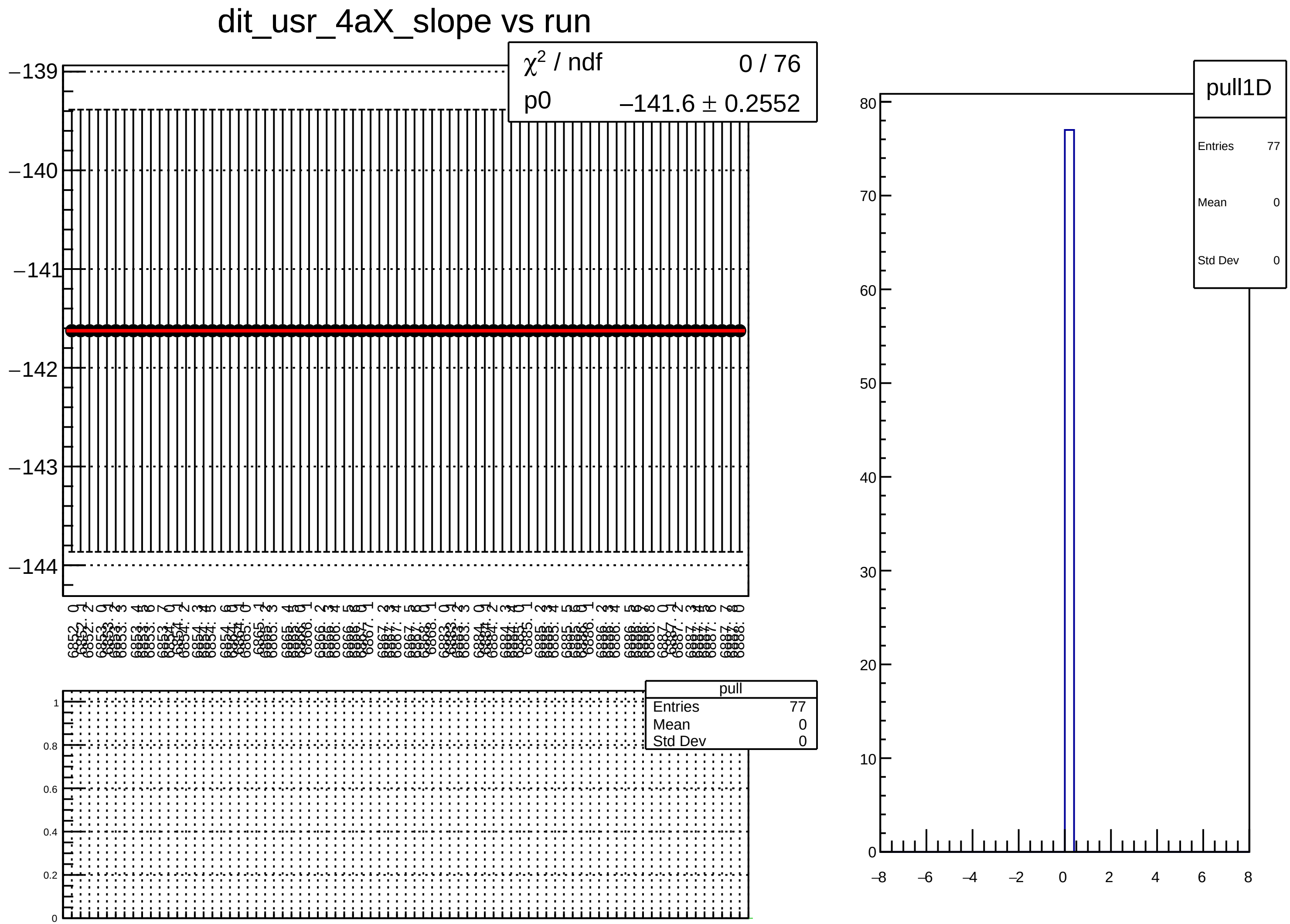
dit_usl_11X12X_slope vs run
$\chi^2$ / ndf 3.358e−24 / 76
p0 −38.37 ± 0.03102
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −2.088e−13
Std Dev 9.279e−21



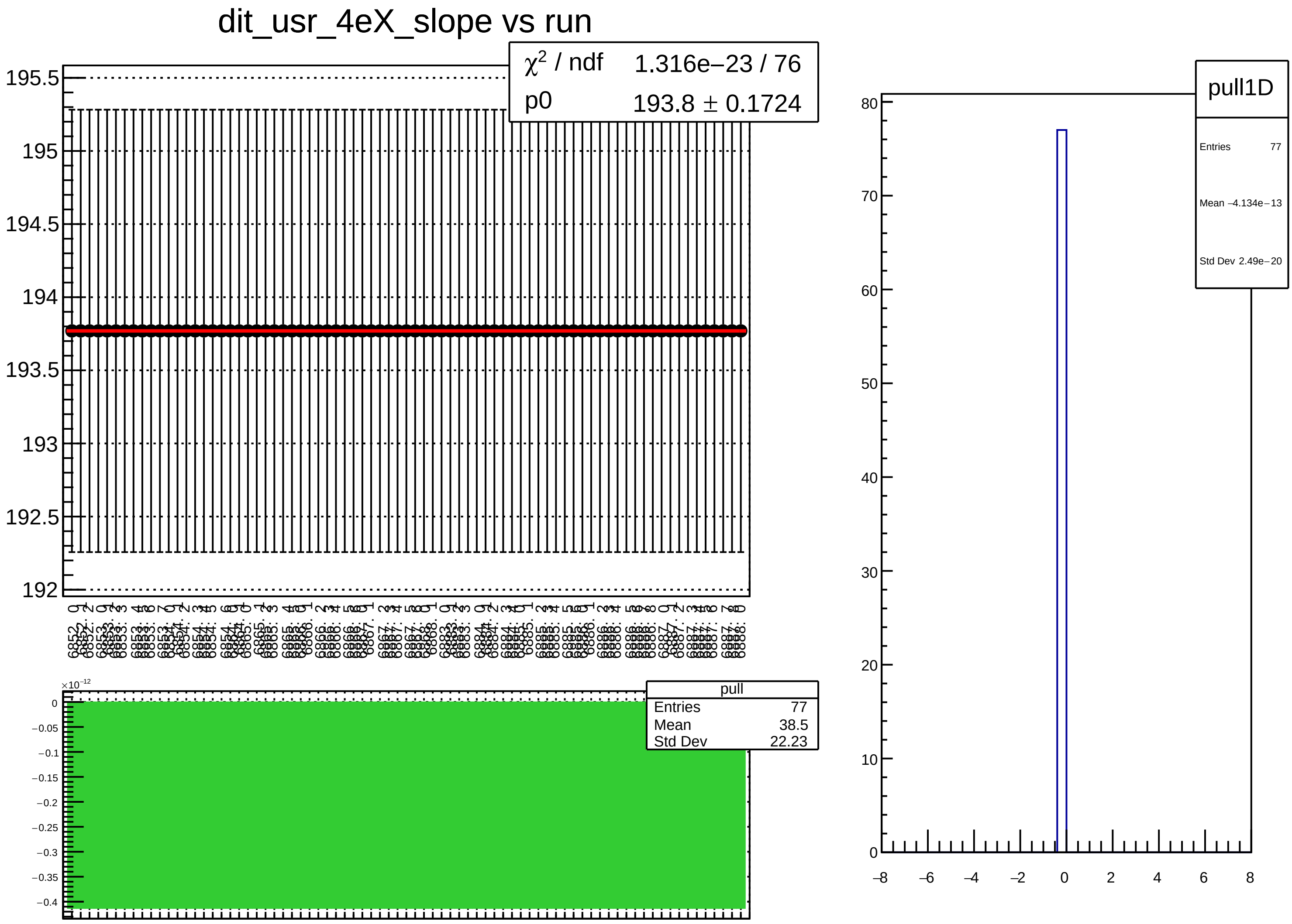
dit_usl_4aY_slope vs run
χ2 / ndf 9.765e−31 / 76
p0 0.1716 ± 0.05617
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.126e−16
Std Dev 6.407e−24

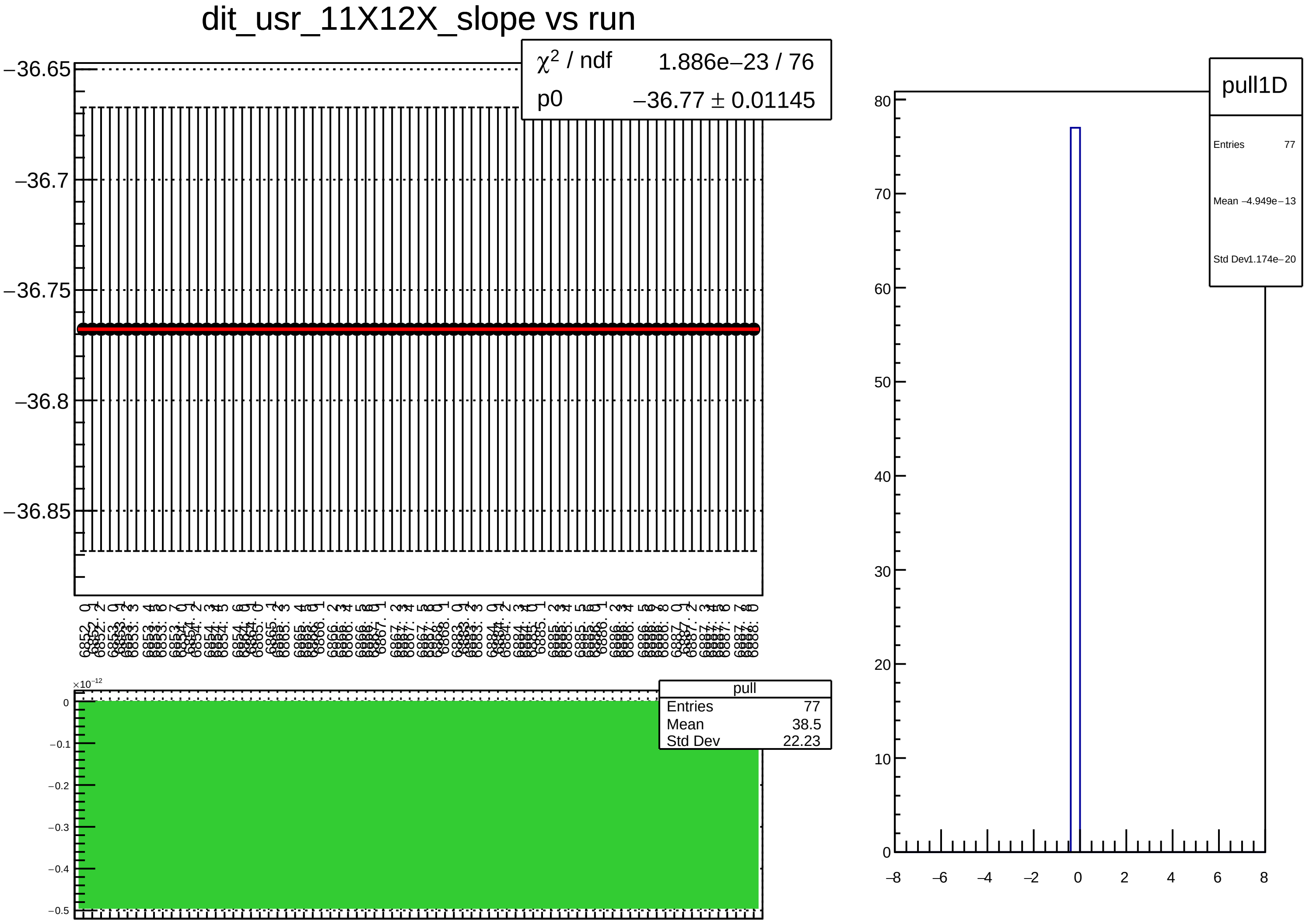


dit_usl_4eY_slope vs run
χ2 / ndf 4.751e−25 / 76
p0 19.2 ± 0.03093
19.5
19.4
19.3
19.2
19.1
19
18.9
×10−15
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −7.855e−14
Std Dev 5.29e−21

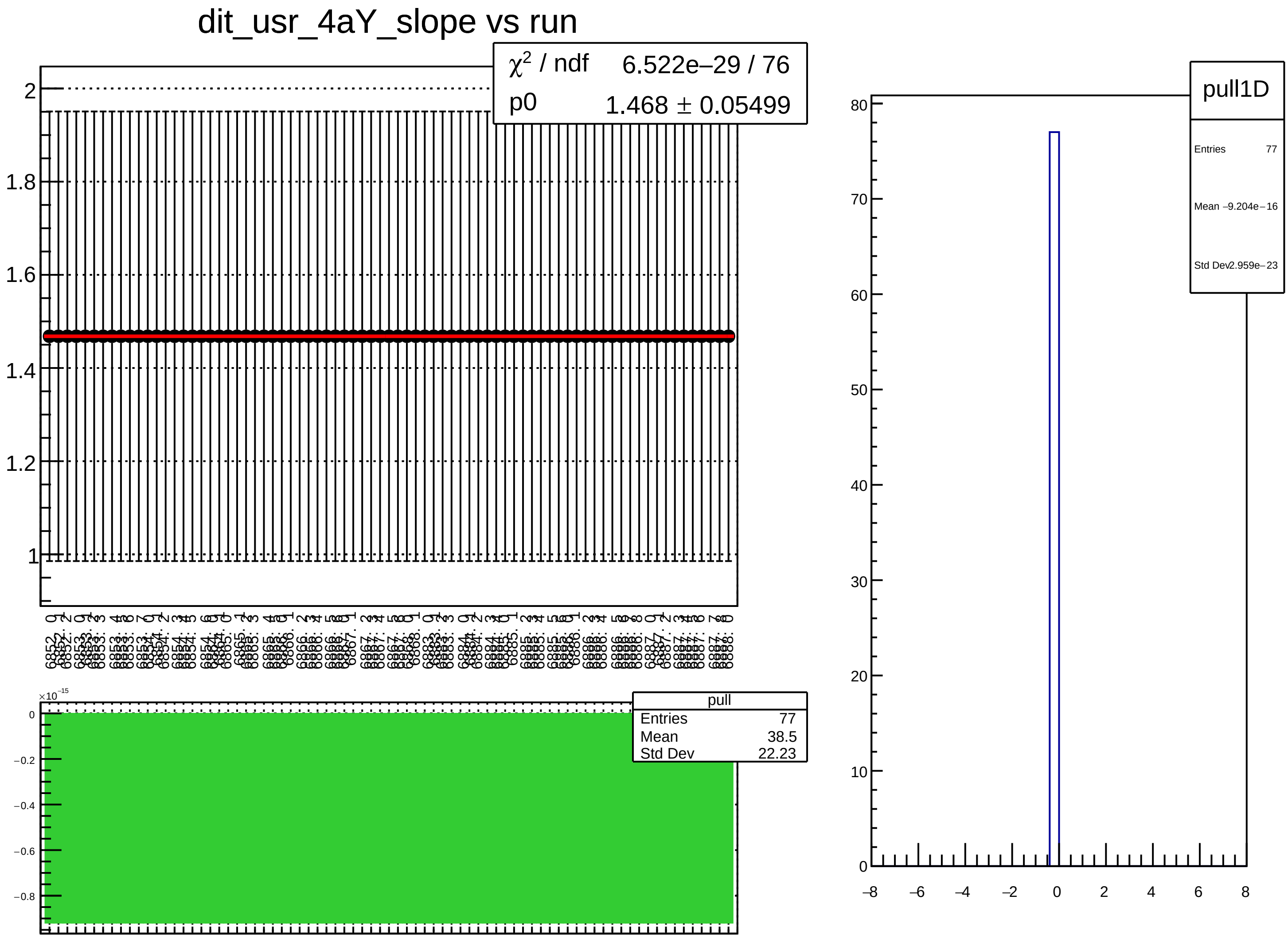


dit_usr_4aX_slope vs run
χ2 / ndf 0 / 76
p0 −141.6 ± 0.2552
pull
Entries 77
Mean 0
Std Dev 0
pull1D
Entries 77
Mean 0
Std Dev 0

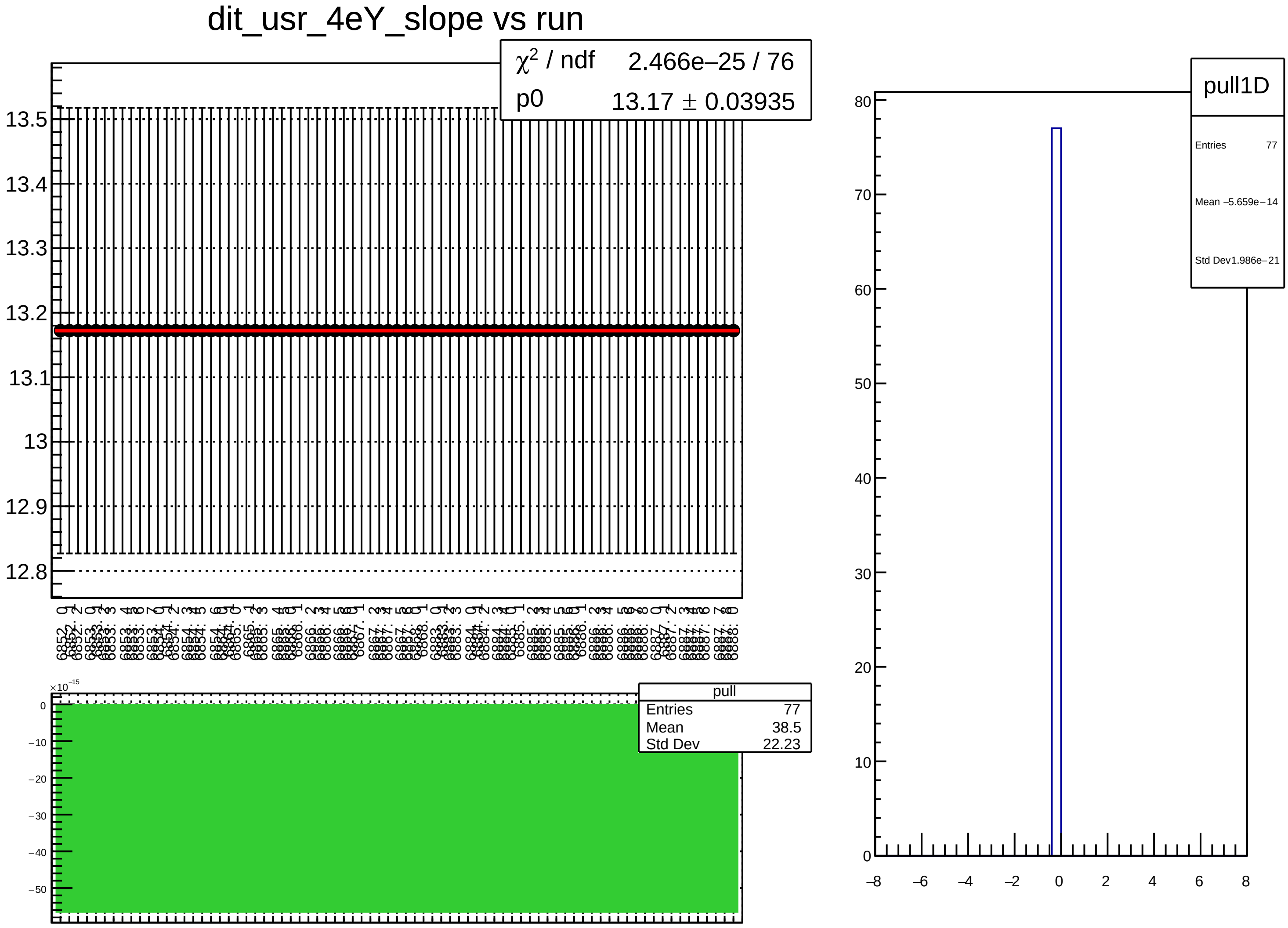

dit_usr_4eX_slope vs run
χ2 / ndf 1.316e−23 / 76
p0 193.8 ± 0.1724
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.134e−13
Std Dev 2.49e−20



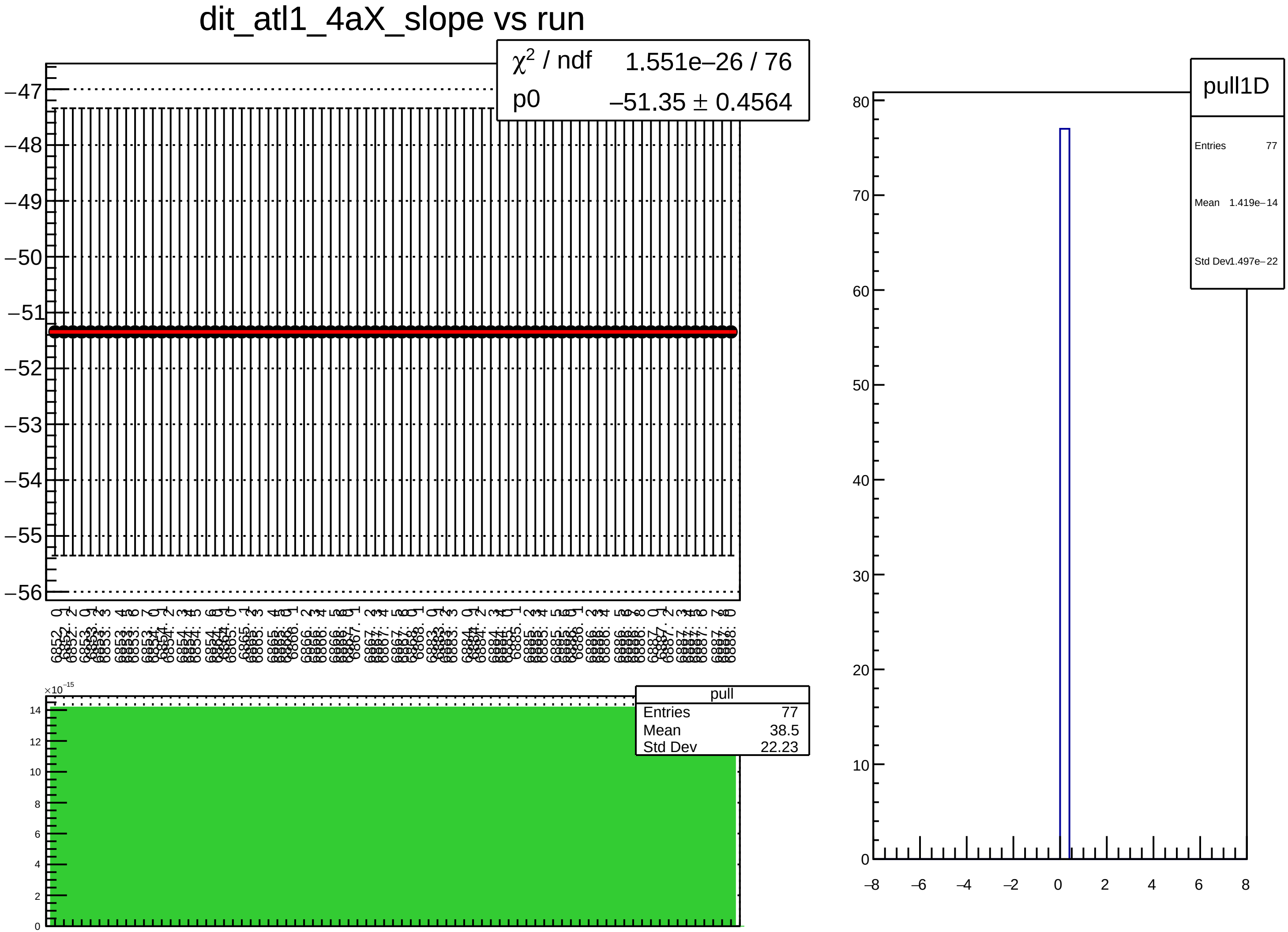
dit_usr_11X12X_slope vs run
$\chi^2$ / ndf 1.886e−23 / 76
p0 −36.77 ± 0.01145
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.949e−13
Std Dev1.174e−20



dit_usr_4aY_slope vs run
χ2 / ndf 6.522e−29 / 76
p0 1.468 ± 0.05499
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −9.204e−16
Std Dev 2.959e−23

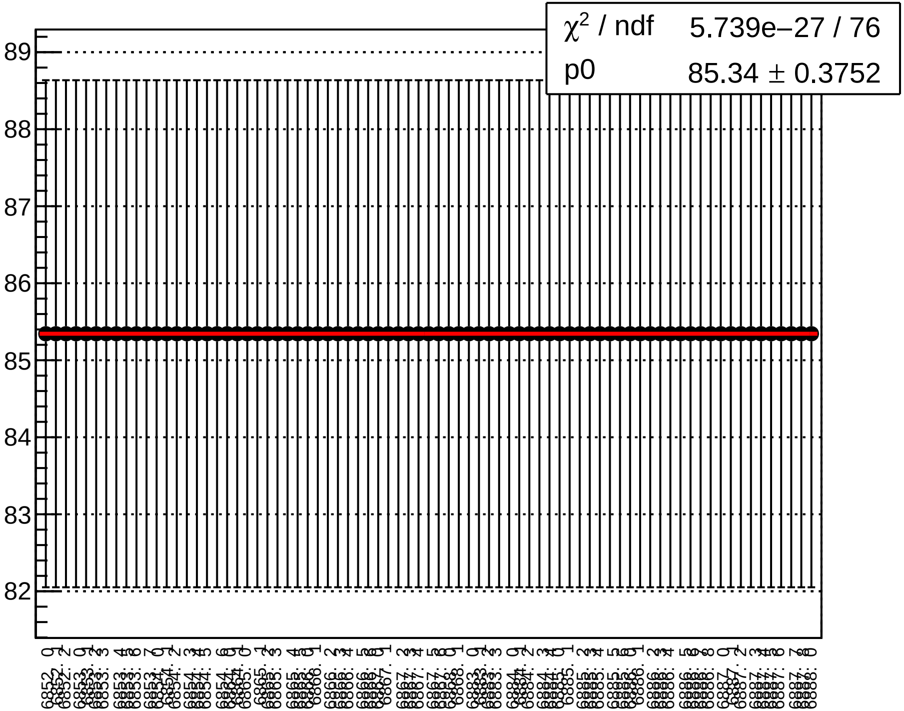


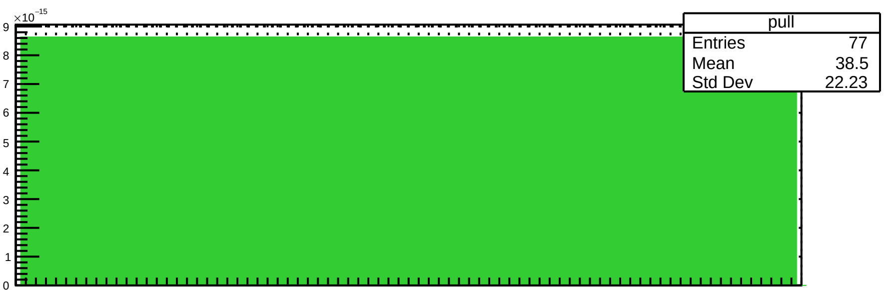
dit_usr_4eY_slope vs run
χ2 / ndf 2.466e−25 / 76
p0 13.17 ± 0.03935
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −5.659e−14
Std Dev 1.986e−21

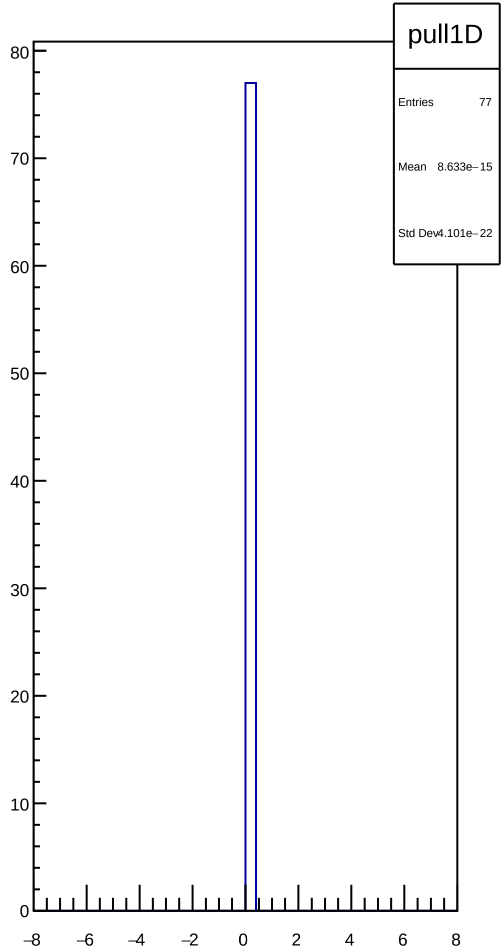


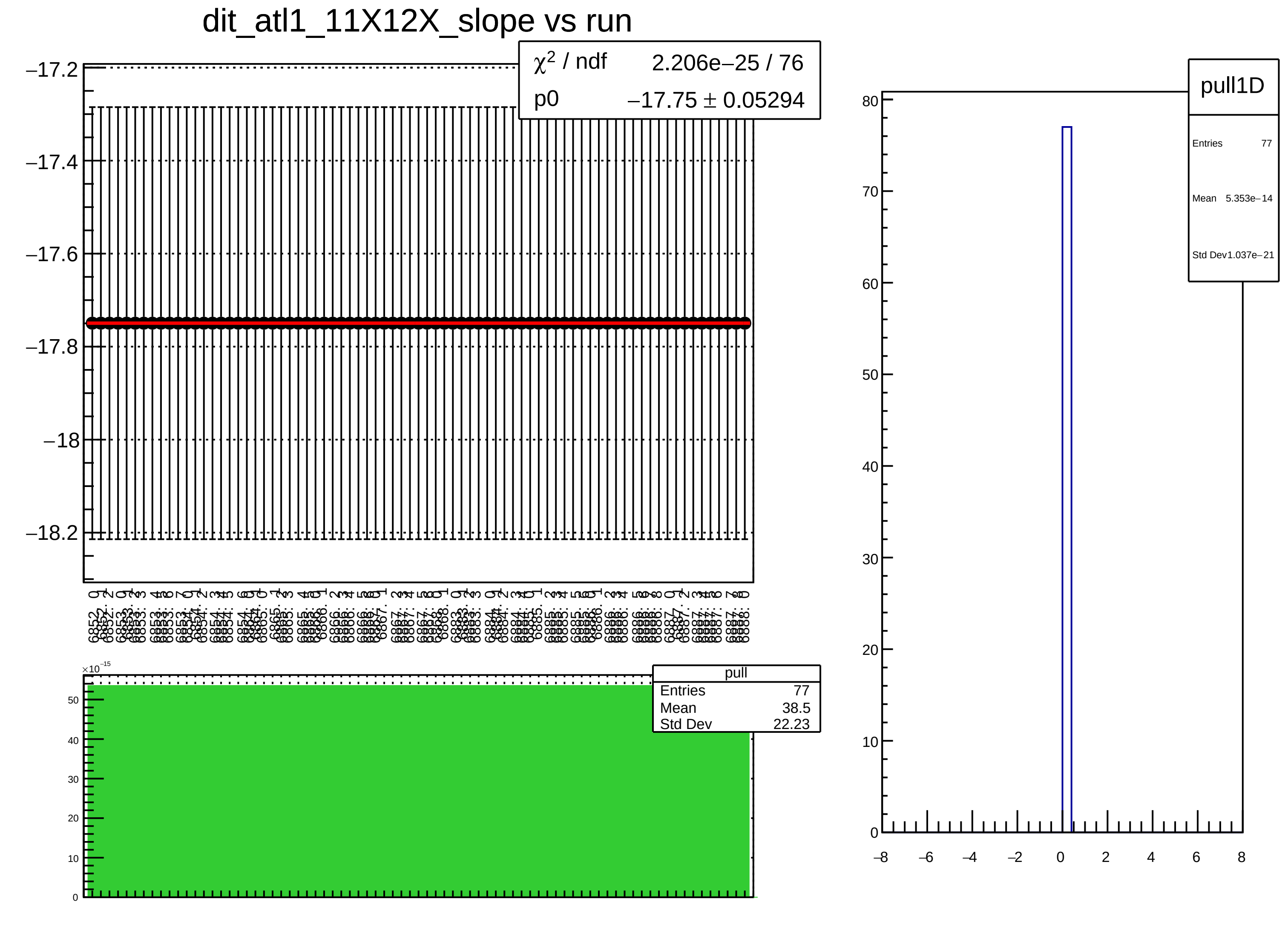
dit_atl1_4aX_slope vs run
χ2 / ndf 1.551e−26 / 76
p0 −51.35 ± 0.4564
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.419e−14
Std Dev 1.497e−22

# dit_atl1_4eX_slope vs run

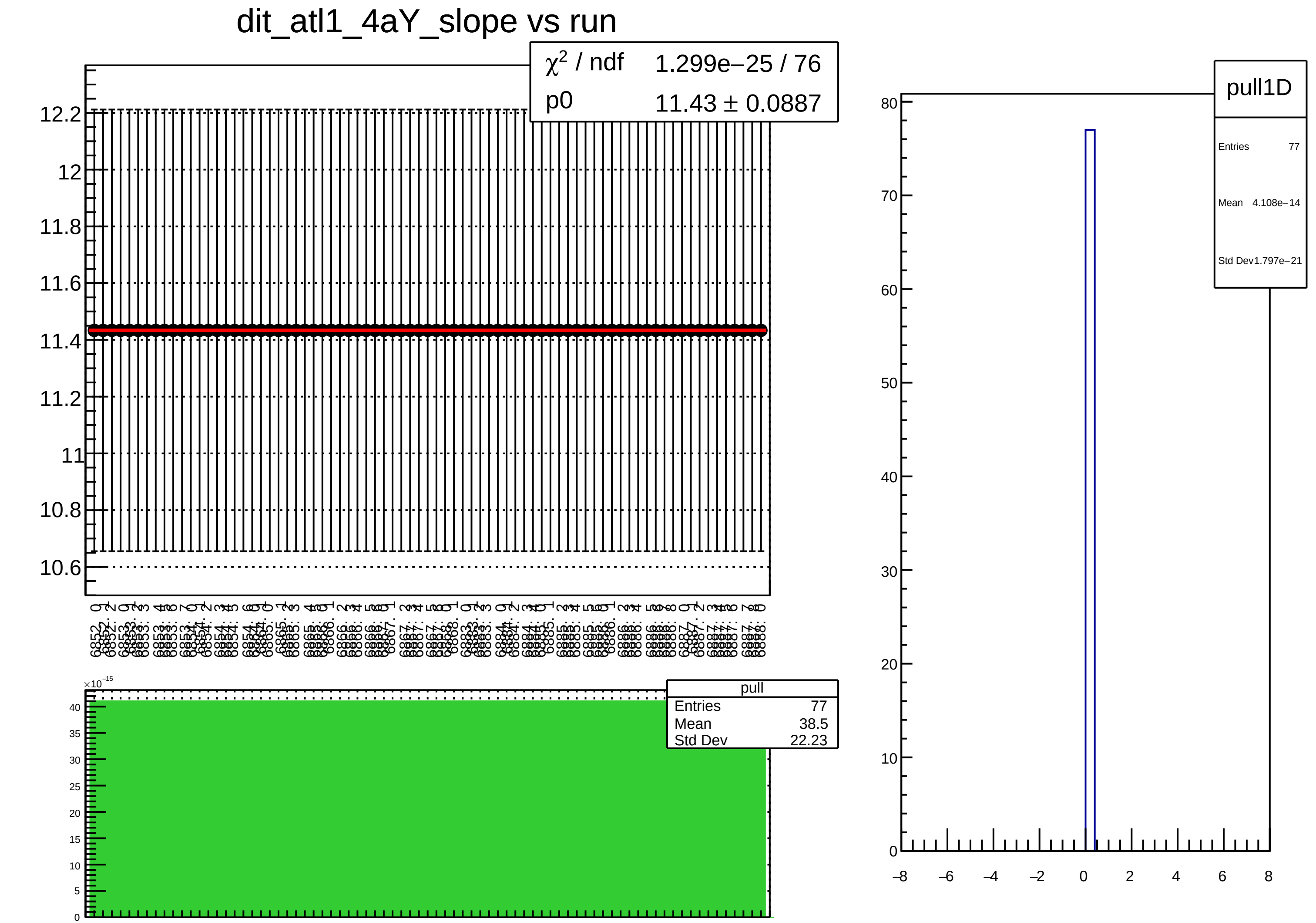


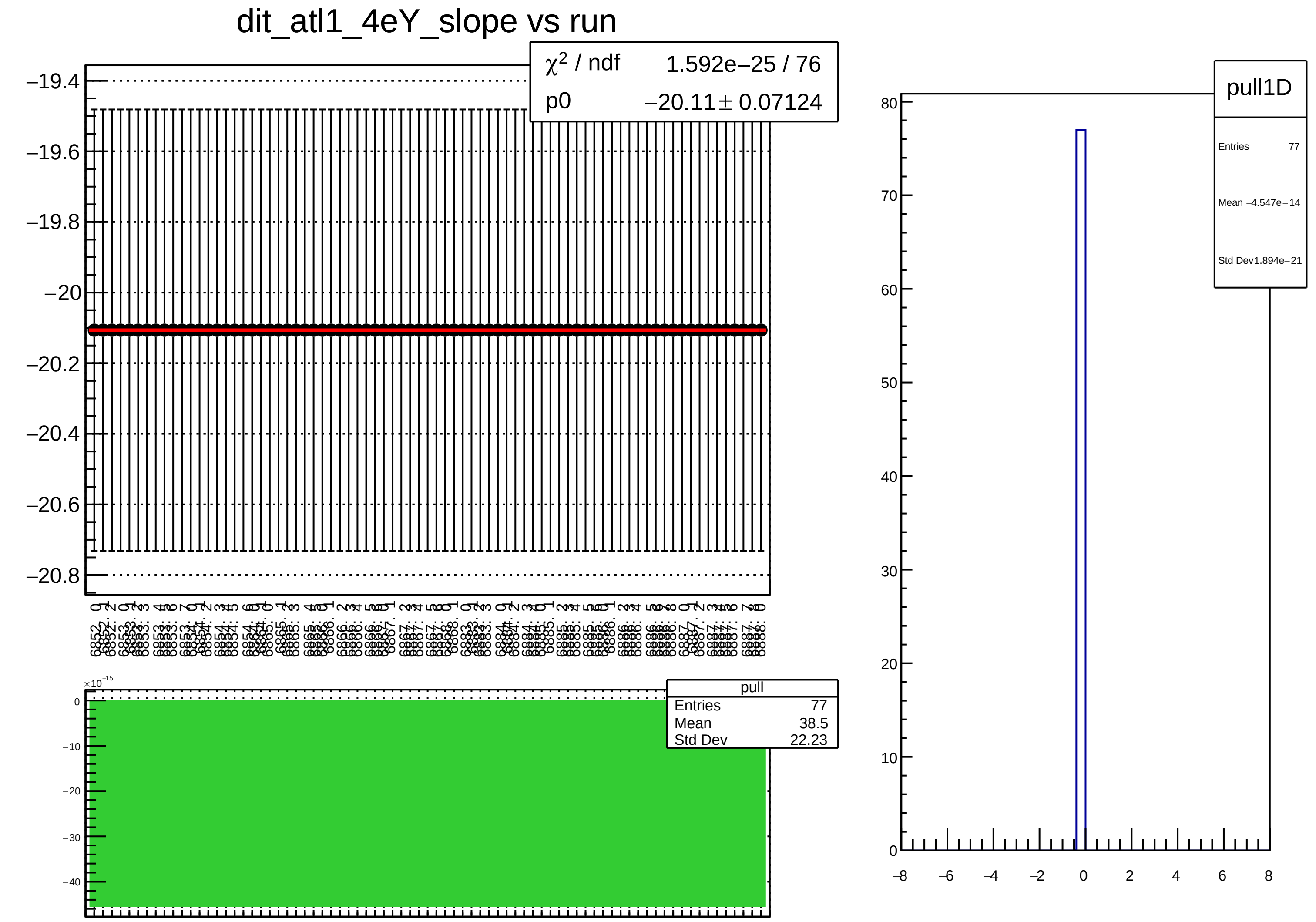



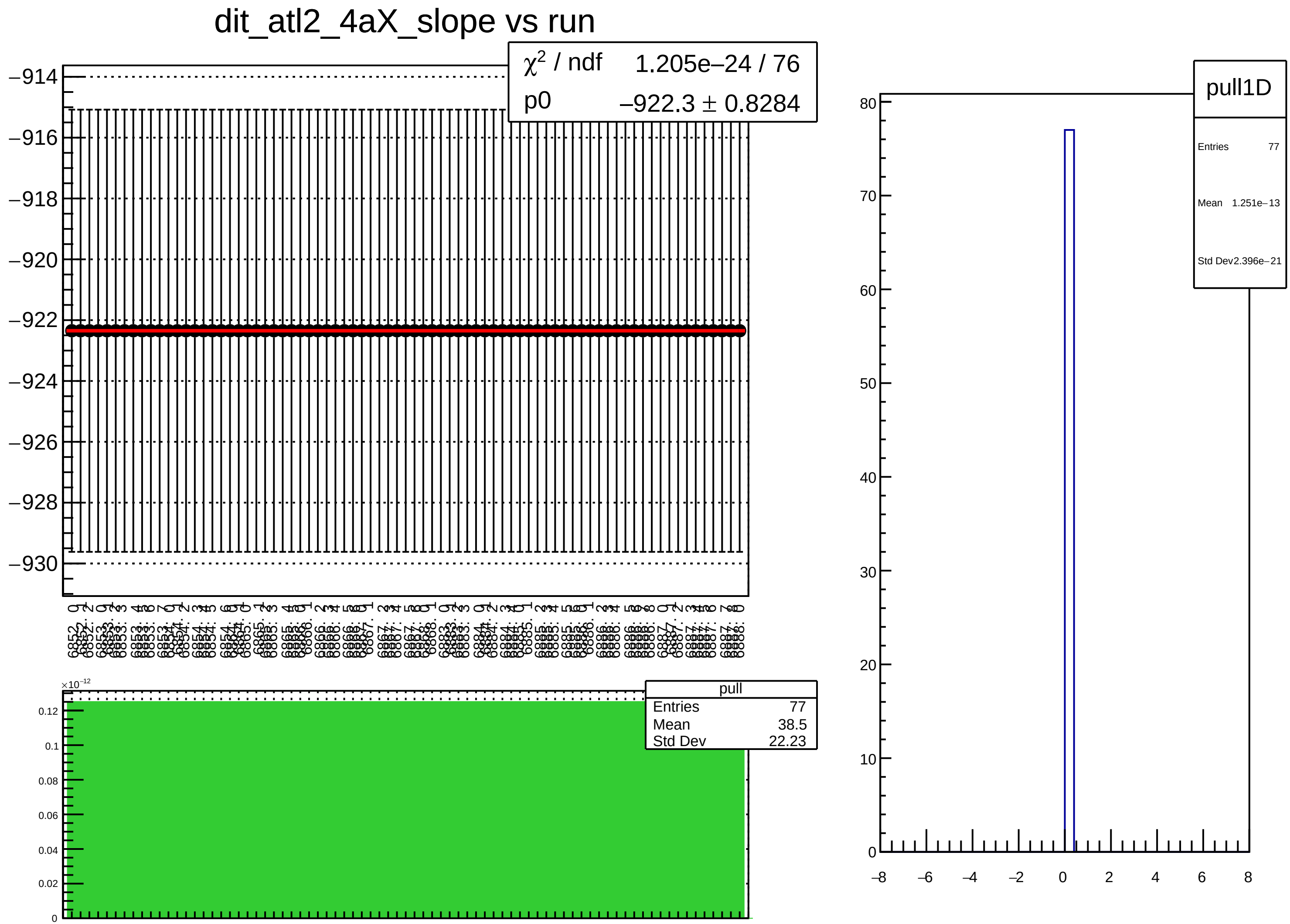


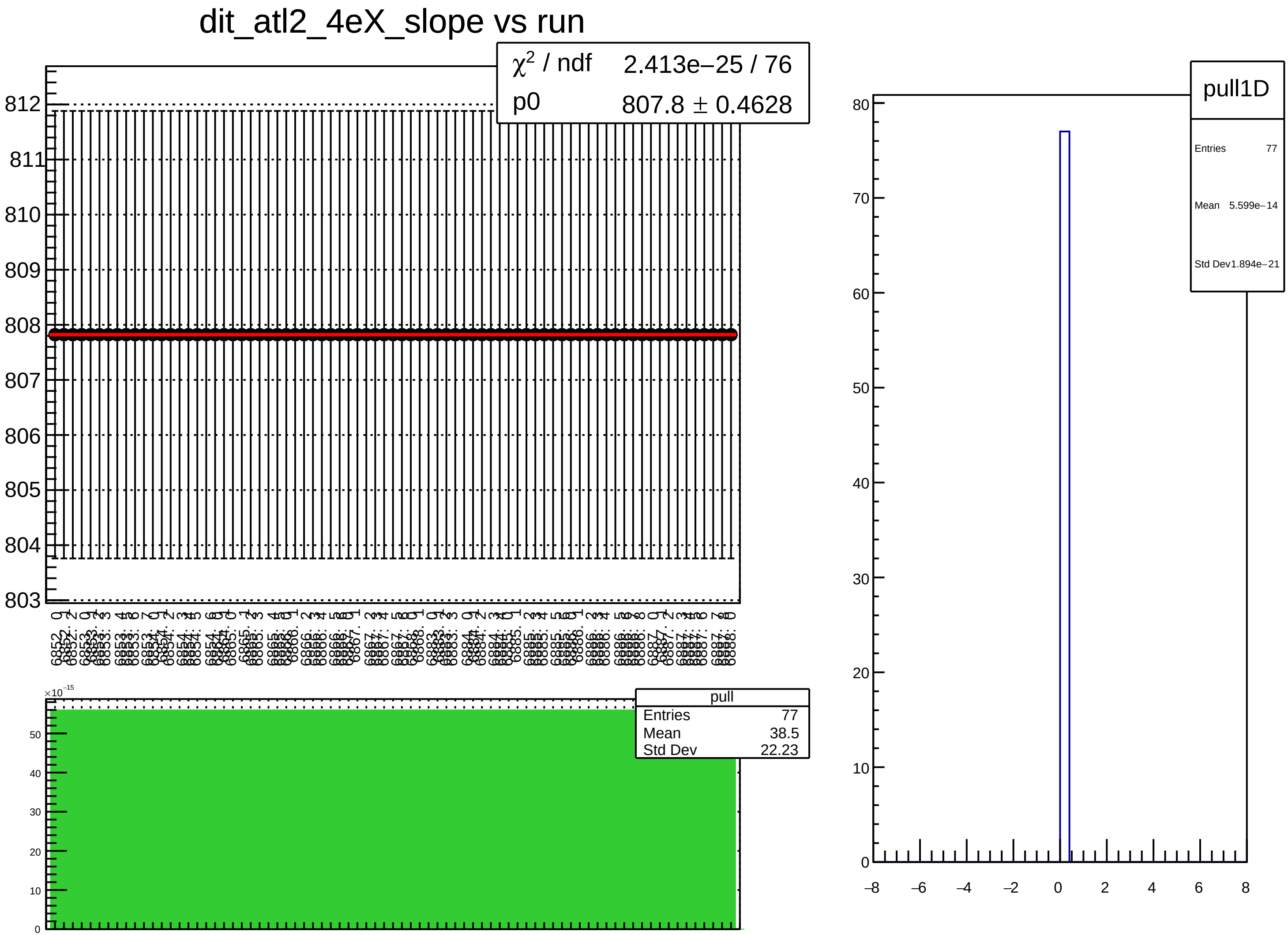
dit_atl1_11X12X_slope vs run
χ2 / ndf 2.206e−25 / 76
p0 −17.75 ± 0.05294
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 5.353e−14
Std Dev 1.037e−21



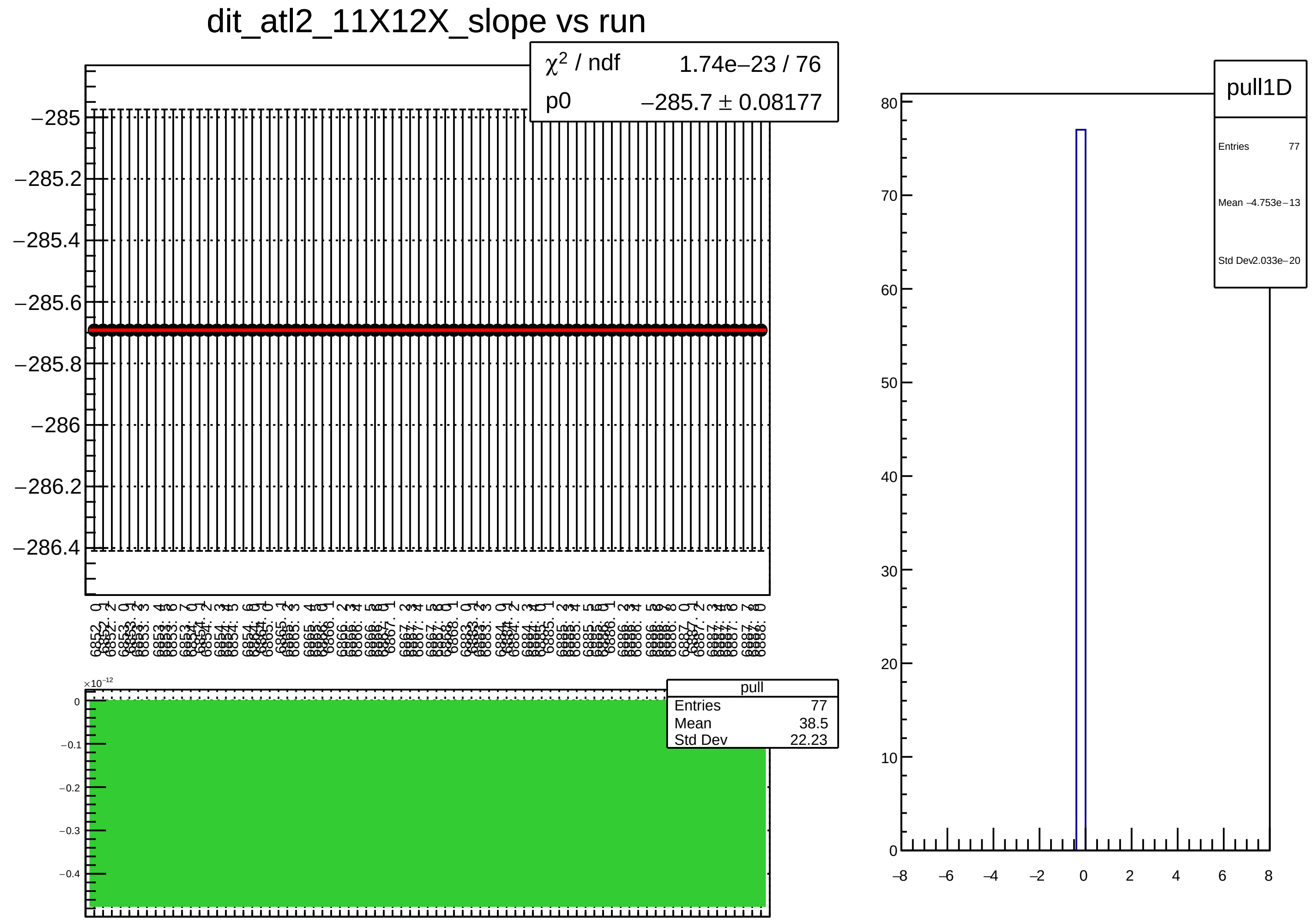
dit_atl1_4aY_slope vs run
$\chi^2$ / ndf 1.299e−25 / 76
p0 11.43 ± 0.0887
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 4.108e−14
Std Dev 1.797e−21


dit_atl1_4eY_slope vs run
$\chi^2$ / ndf 1.592e−25 / 76
p0 −20.11 ± 0.07124
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.547e−14
Std Dev 1.894e−21

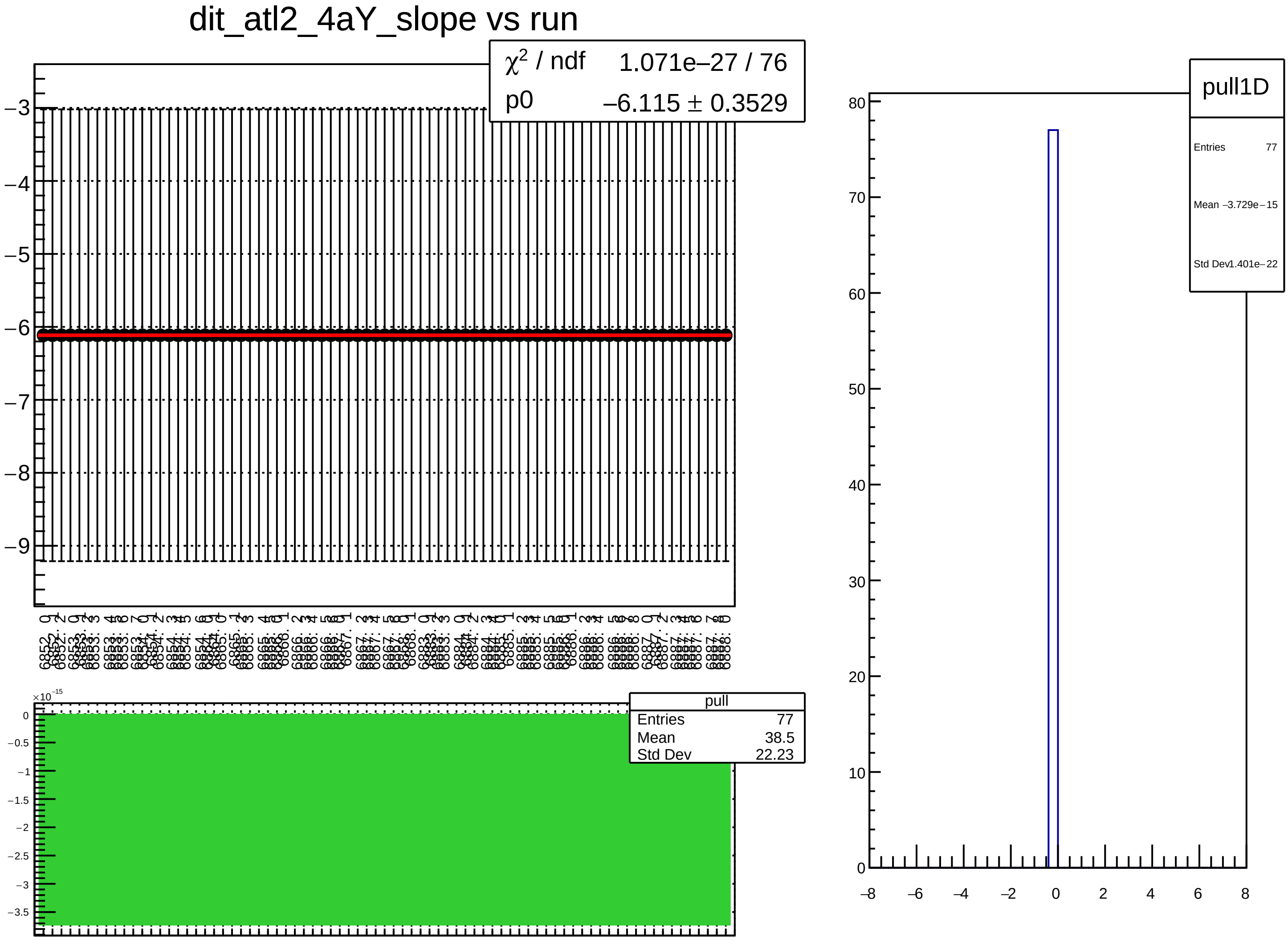

dit_atl2_4aX_slope vs run
$\chi^2$ / ndf 1.205e−24 / 76
p0 −922.3 ± 0.8284
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.251e−13
Std Dev 2.396e−21

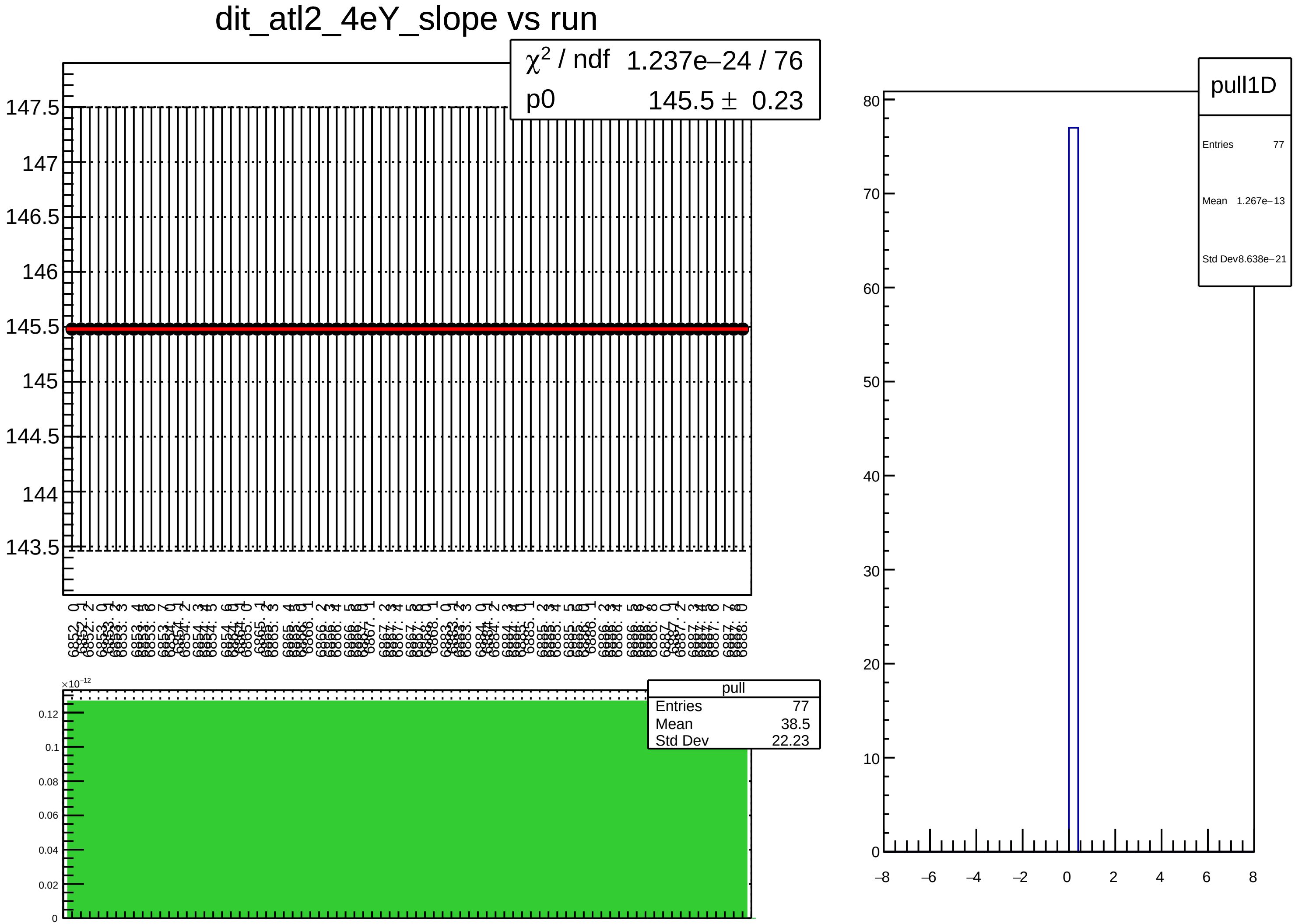


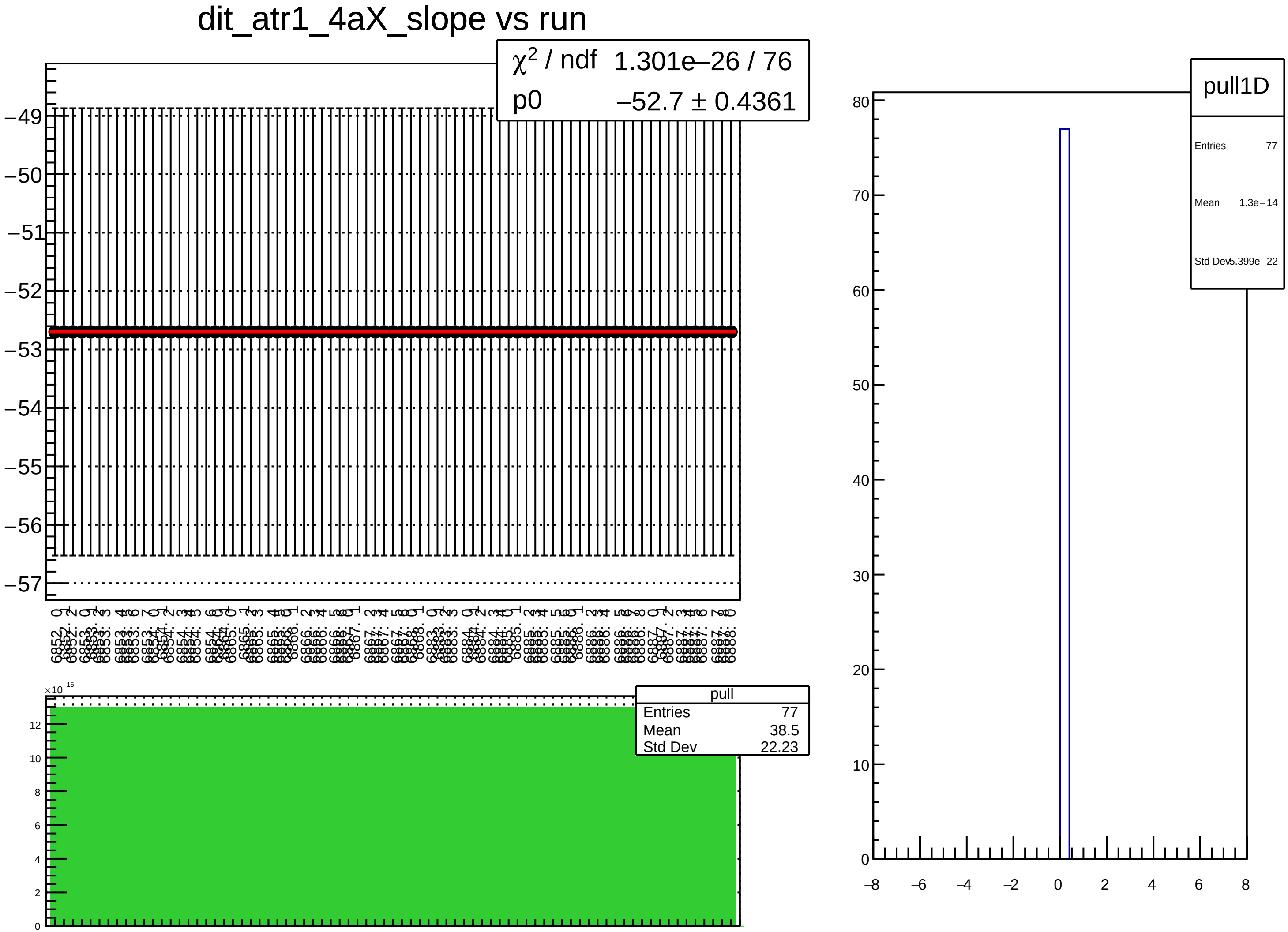
dit_atl2_4eX_slope vs run
$\chi^2$ / ndf 2.413e−25 / 76
p0 807.8 ± 0.4628
pull1D
Entries 77
Mean 5.599e−14
Std Dev 1.894e−21
pull
Entries 77
Mean 38.5
Std Dev 22.23



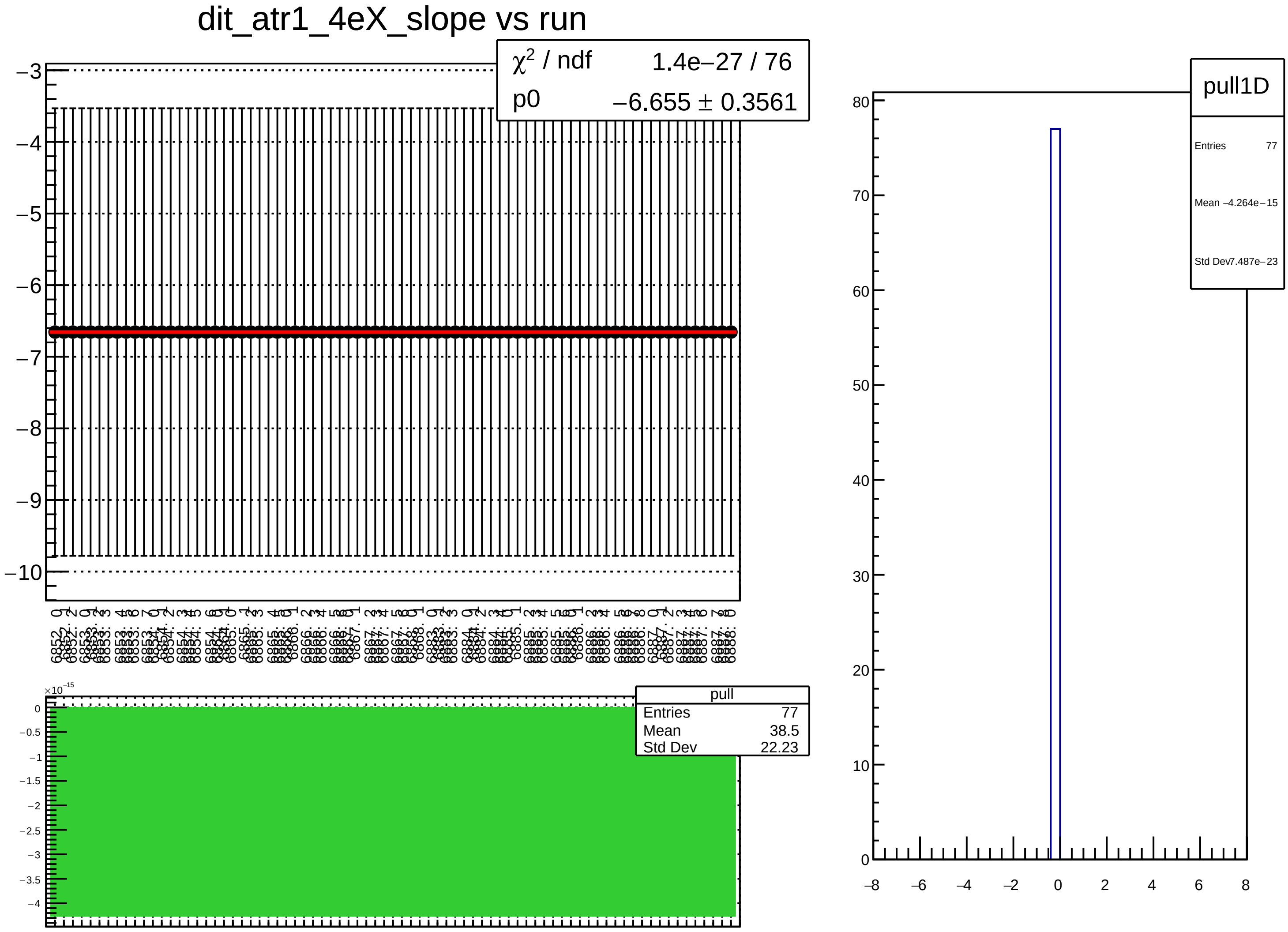
dit_atl2_11X12X_slope vs run
χ2 / ndf 1.74e−23 / 76
p0 −285.7 ± 0.08177
−285
−285.2
−285.4
−285.6
−285.8
−286
−286.2
−286.4
×10−12
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.753e−13
Std Dev 2.033e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4aY_slope vs run
$\chi^2$ / ndf 1.071e−27 / 76
p0 −6.115 ± 0.3529
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −3.729e−15
Std Dev 1.401e−22

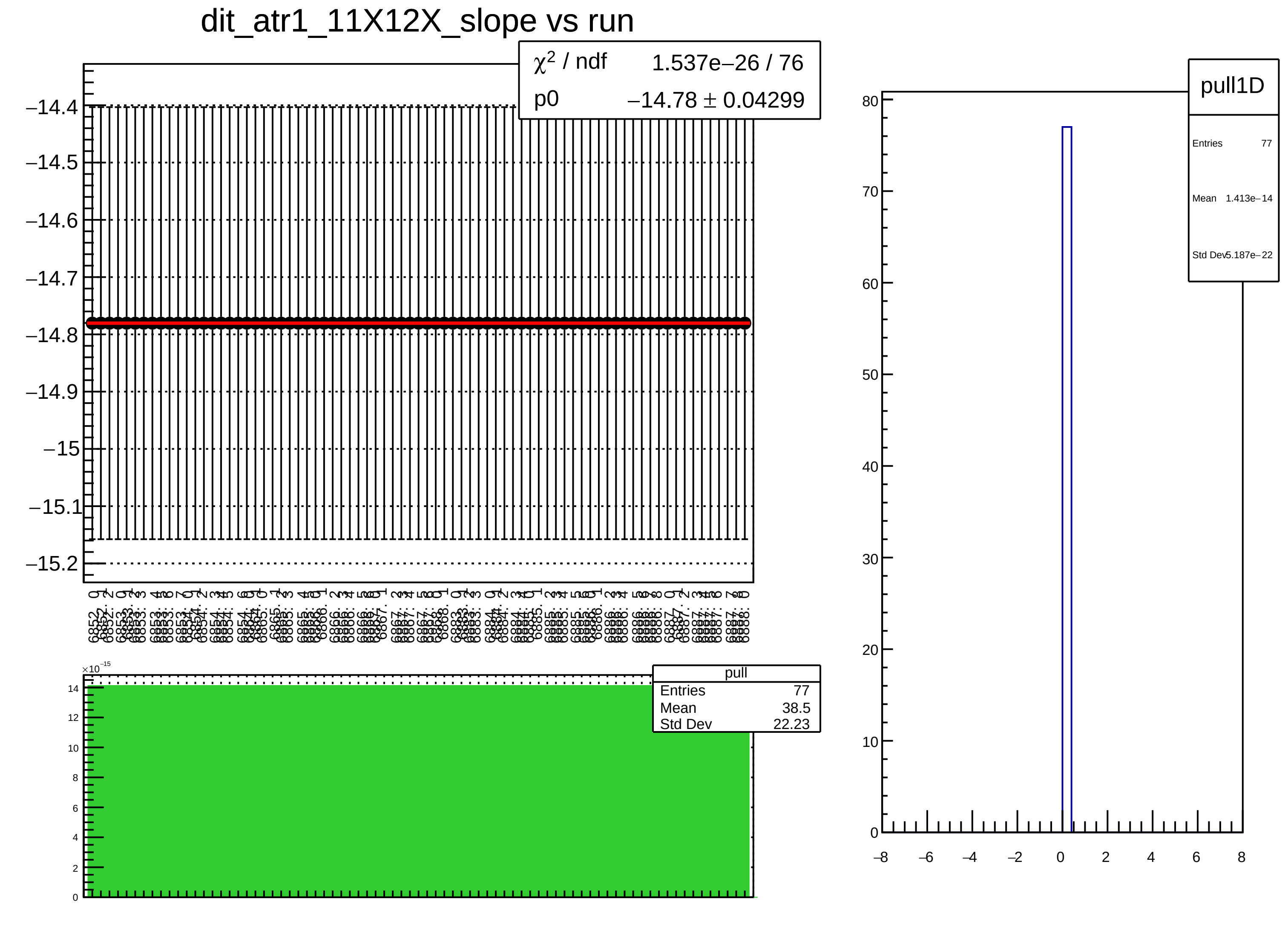

dit_atl2_4eY_slope vs run
χ2 / ndf 1.237e−24 / 76
p0 145.5 ± 0.23
147.5
147
146.5
146
145.5
145
144.5
144
143.5
×10−12
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.267e−13
Std Dev 8.638e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



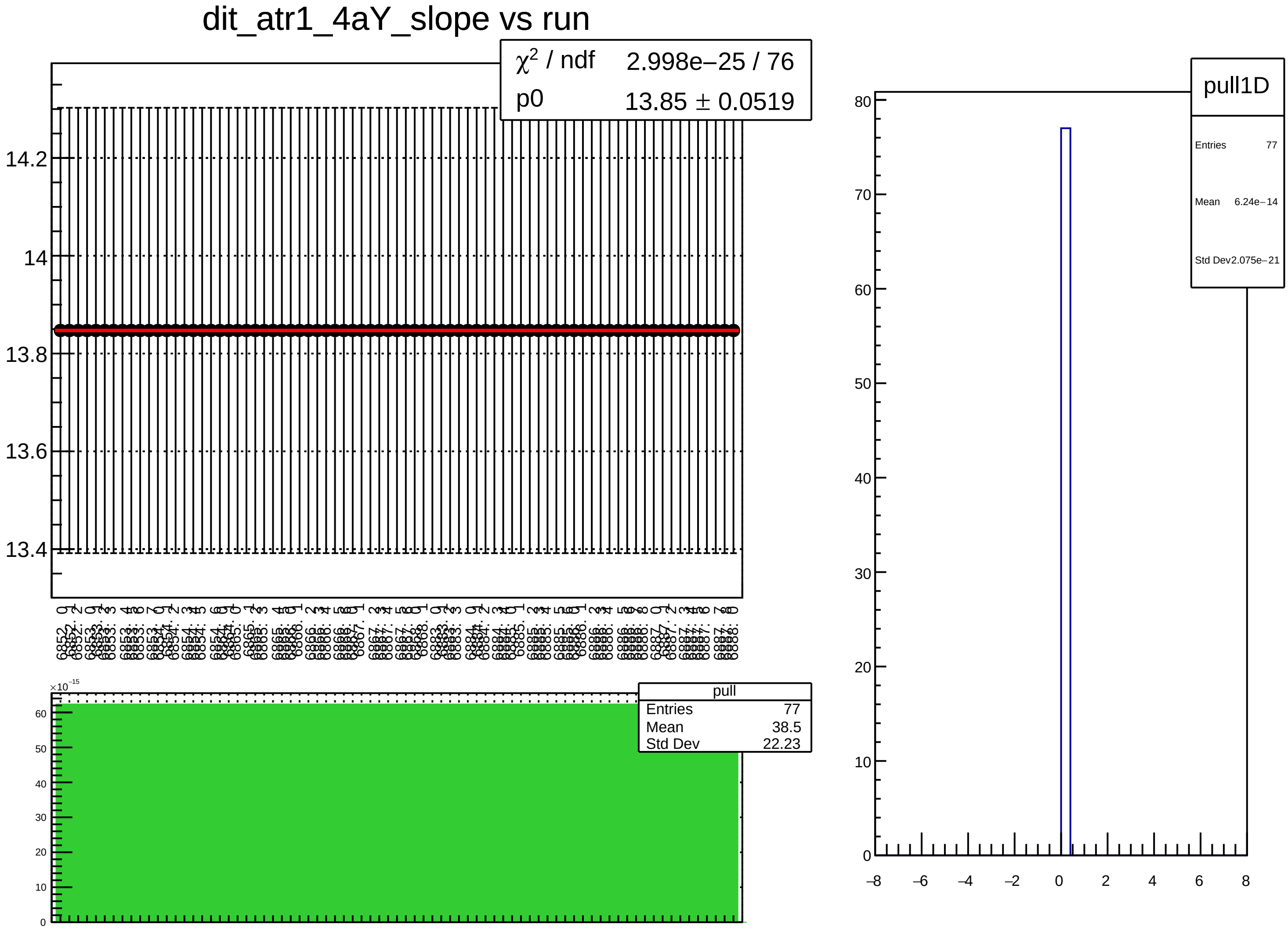
dit_atr1_4aX_slope vs run
χ² / ndf 1.301e−26 / 76
p0 −52.7 ± 0.4361
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.3e−14
Std Dev 5.399e−22

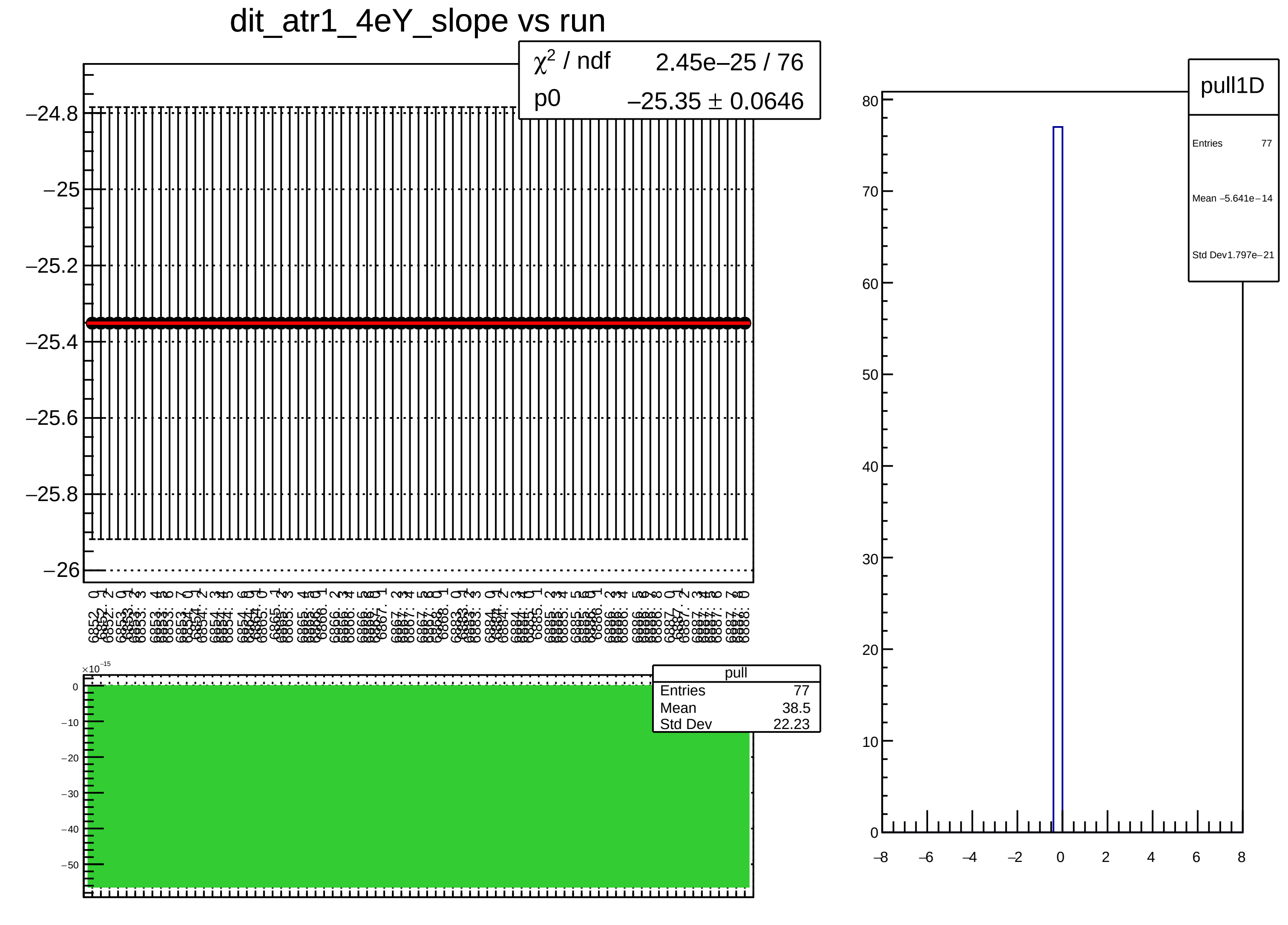


dit_atr1_4eX_slope vs run
$\chi^2$ / ndf 1.4e−27 / 76
p0 −6.655 ± 0.3561
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.264e−15
Std Dev 7.487e−23

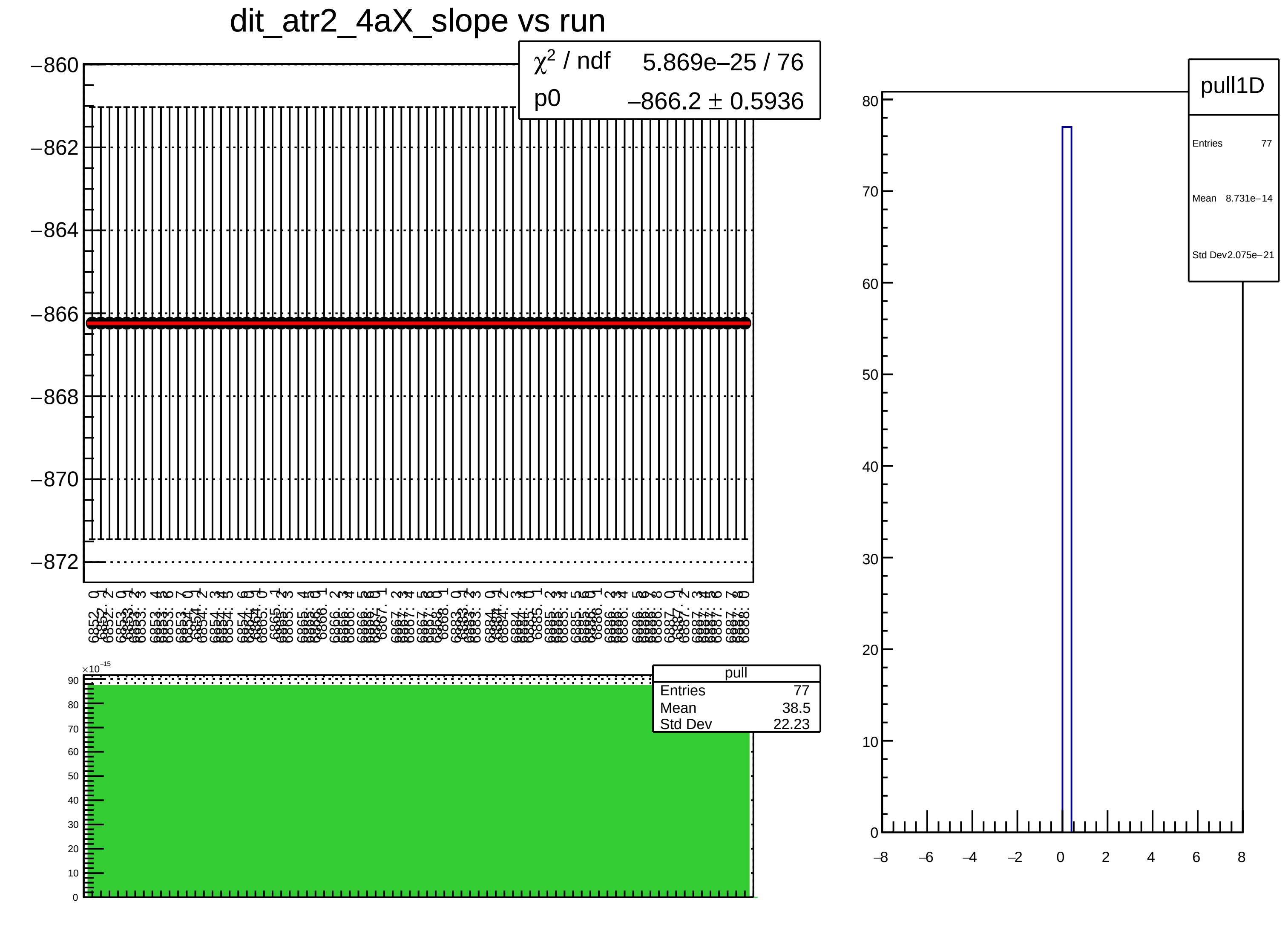


dit_atr1_11X12X_slope vs run
$\chi^2$ / ndf 1.537e−26 / 76
p0 −14.78 ± 0.04299
−14.4
−14.5
−14.6
−14.7
−14.8
−14.9
−15
−15.1
−15.2
×10^−15
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.413e−14
Std Dev 5.187e−22

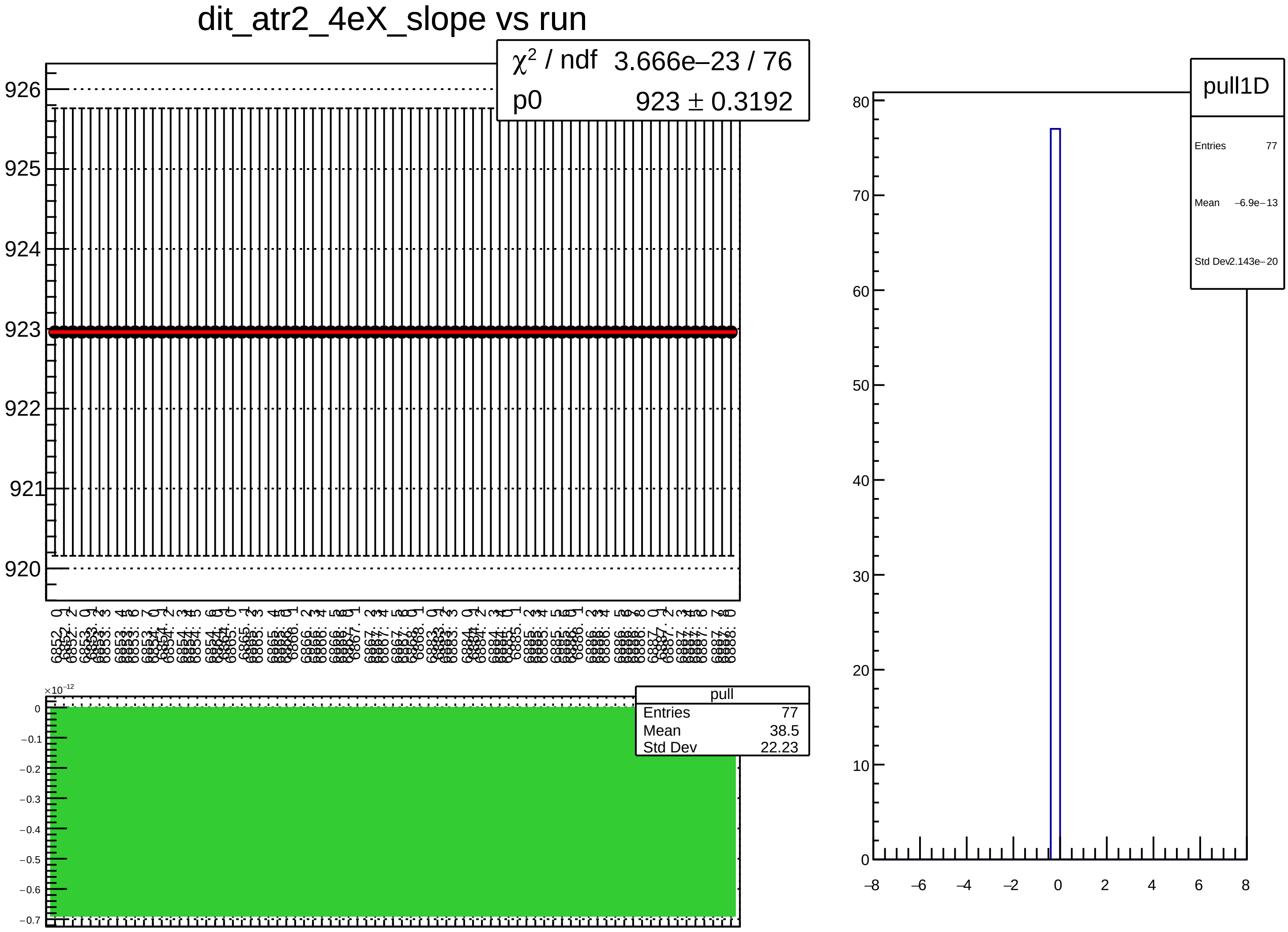

dit_atr1_4aY_slope vs run
χ2 / ndf 2.998e−25 / 76
p0 13.85 ± 0.0519
14.2
14
13.8
13.6
13.4
×10−15
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 6.24e−14
Std Dev 2.075e−21



dit_atr1_4eY_slope vs run
χ2 / ndf 2.45e−25 / 76
p0 −25.35 ± 0.0646
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −5.641e−14
Std Dev 1.797e−21

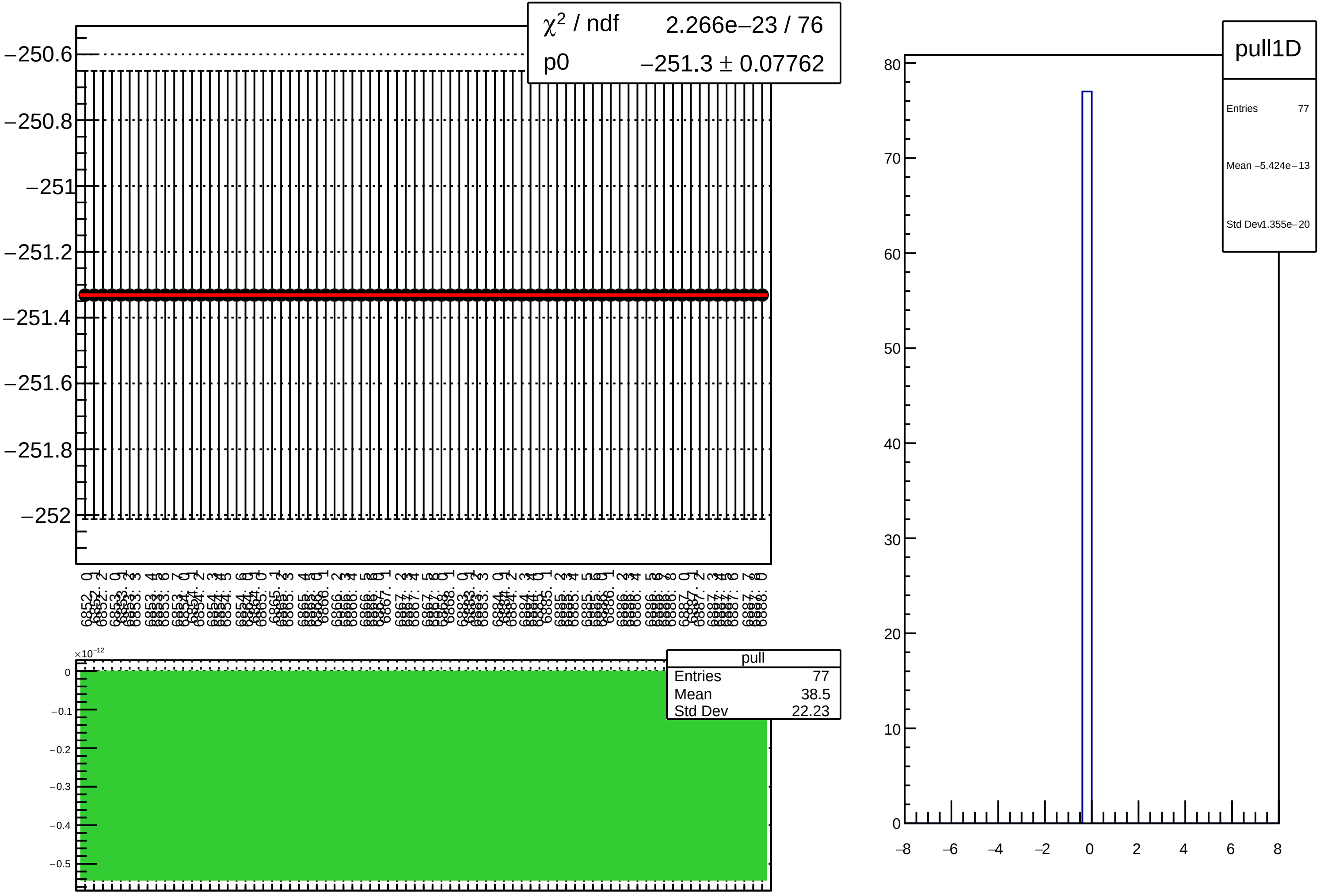


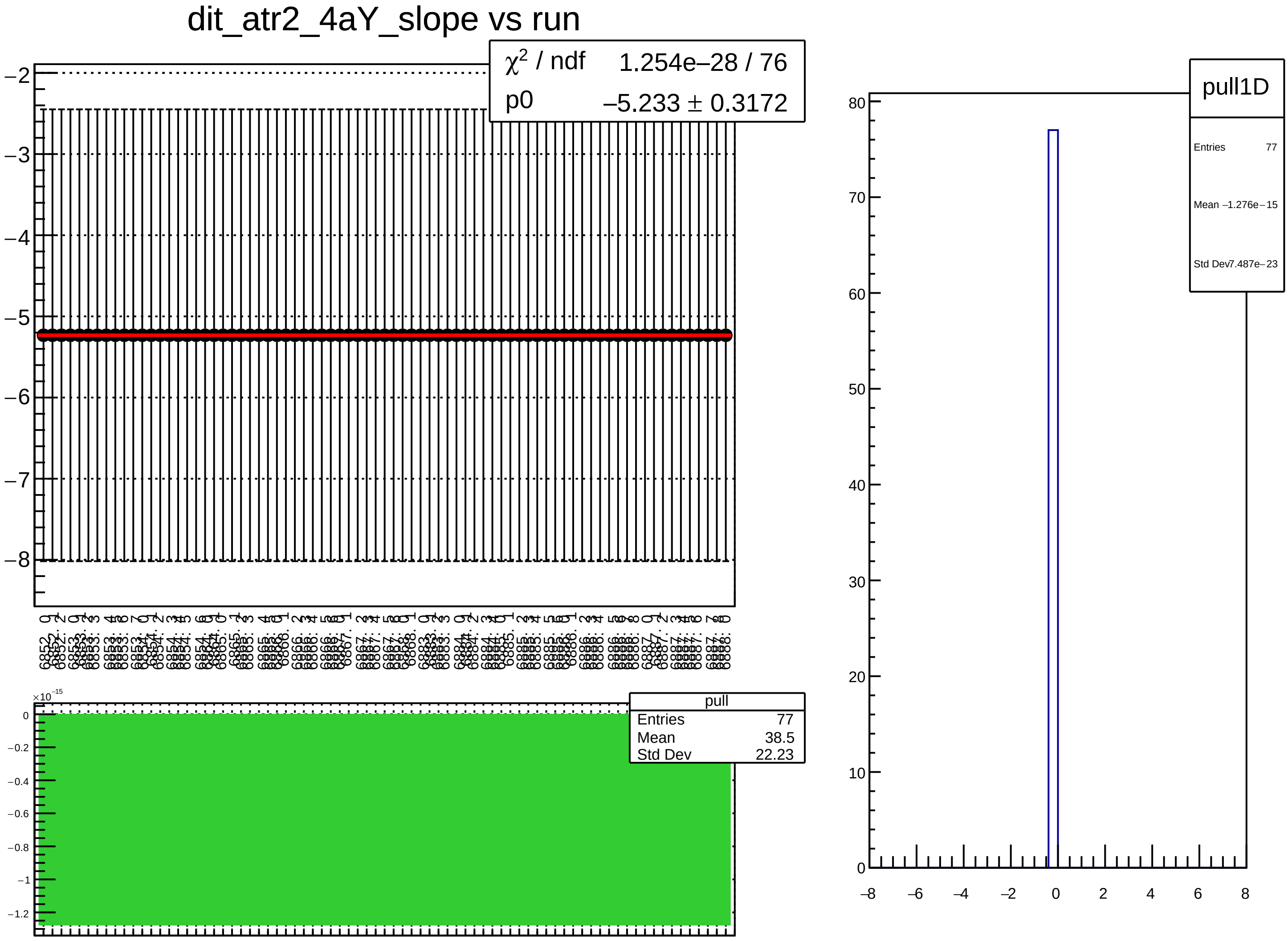
dit_atr2_4aX_slope vs run
χ2 / ndf 5.869e−25 / 76
p0 −866.2 ± 0.5936
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 8.731e−14
Std Dev 2.075e−21



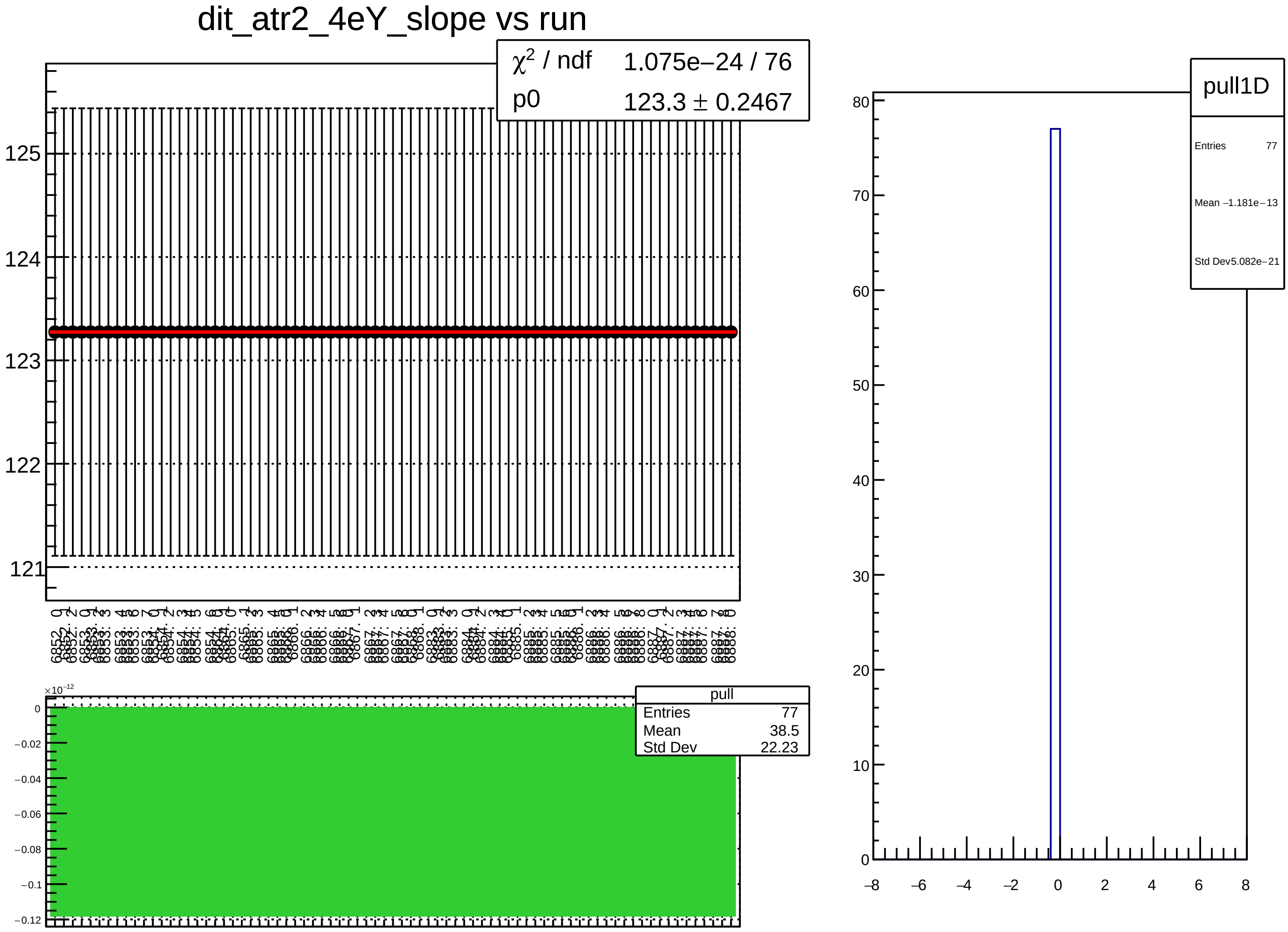
dit_atr2_4eX_slope vs run
χ2 / ndf 3.666e−23 / 76
p0 923 ± 0.3192
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −6.9e−13
Std Dev 2.143e−20

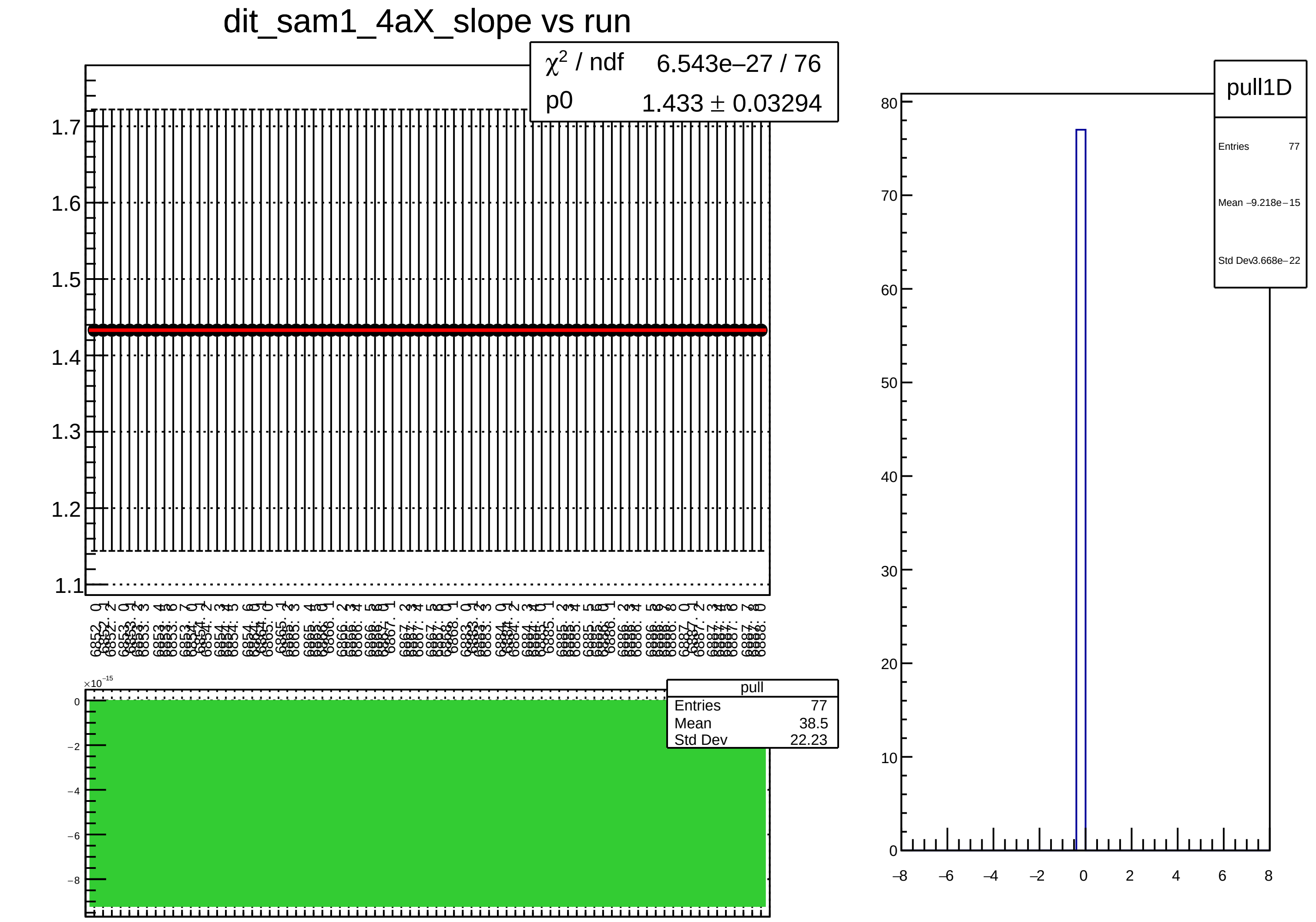
# dit_atr2_11X12X_slope vs run

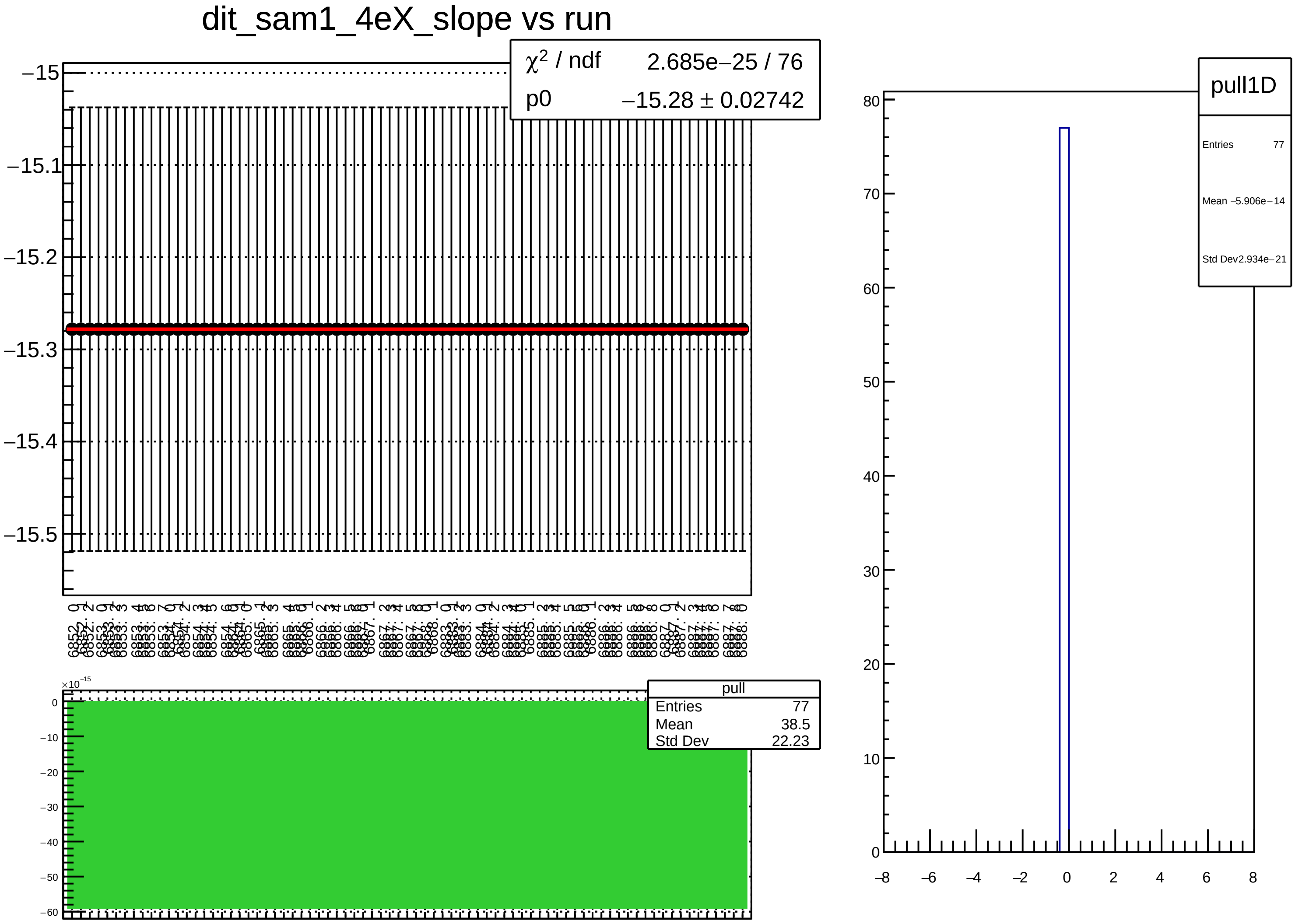




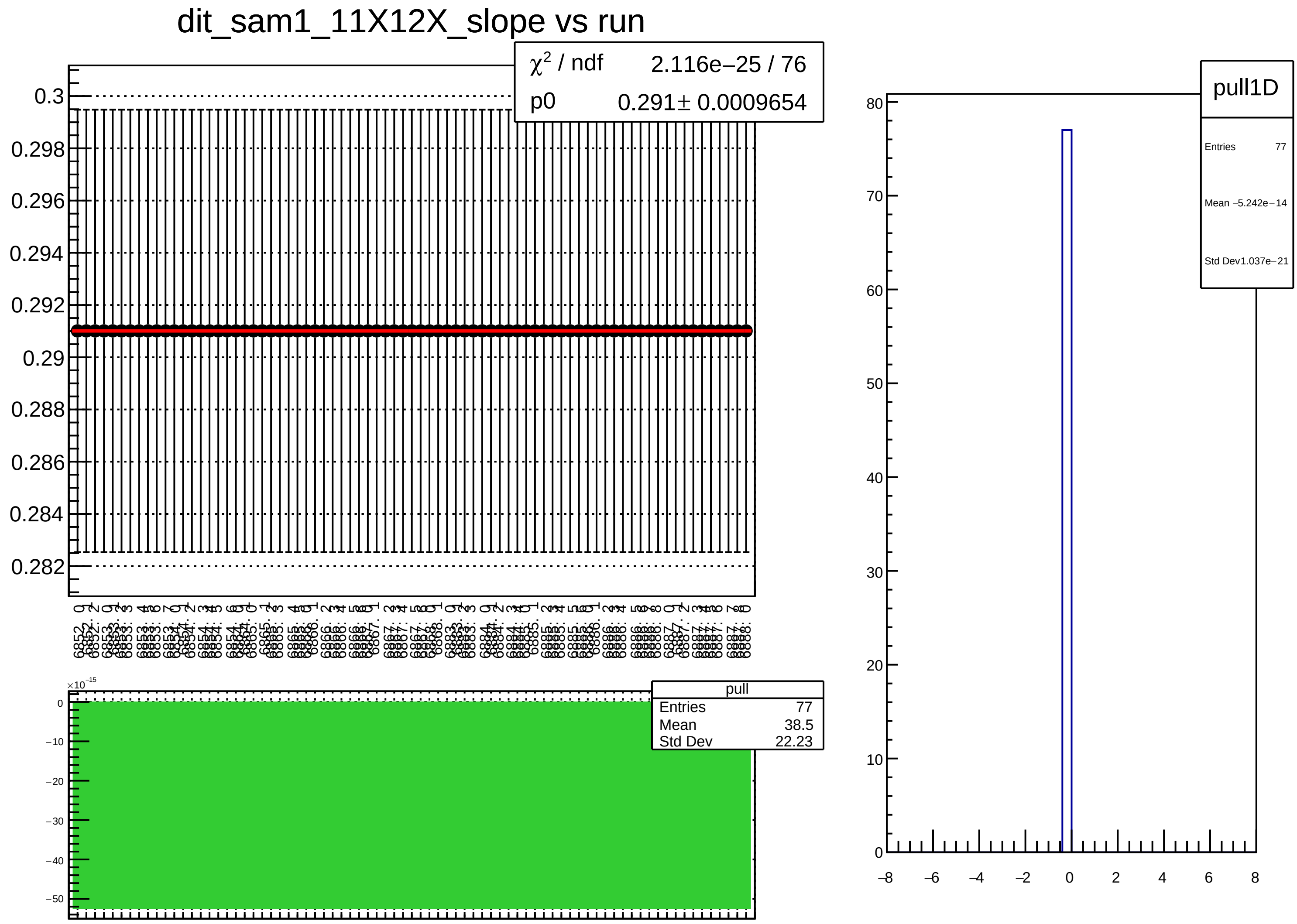
dit_atr2_4aY_slope vs run
$\chi^2$ / ndf 1.254e−28 / 76
p0 −5.233 ± 0.3172
−2
−3
−4
−5
−6
−7
−8
×10$^{-15}$
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.276e−15
Std Dev 7.487e−23
80
70
60
50
40
30
20
10
0
−8 −6 −4 −2 0 2 4 6 8

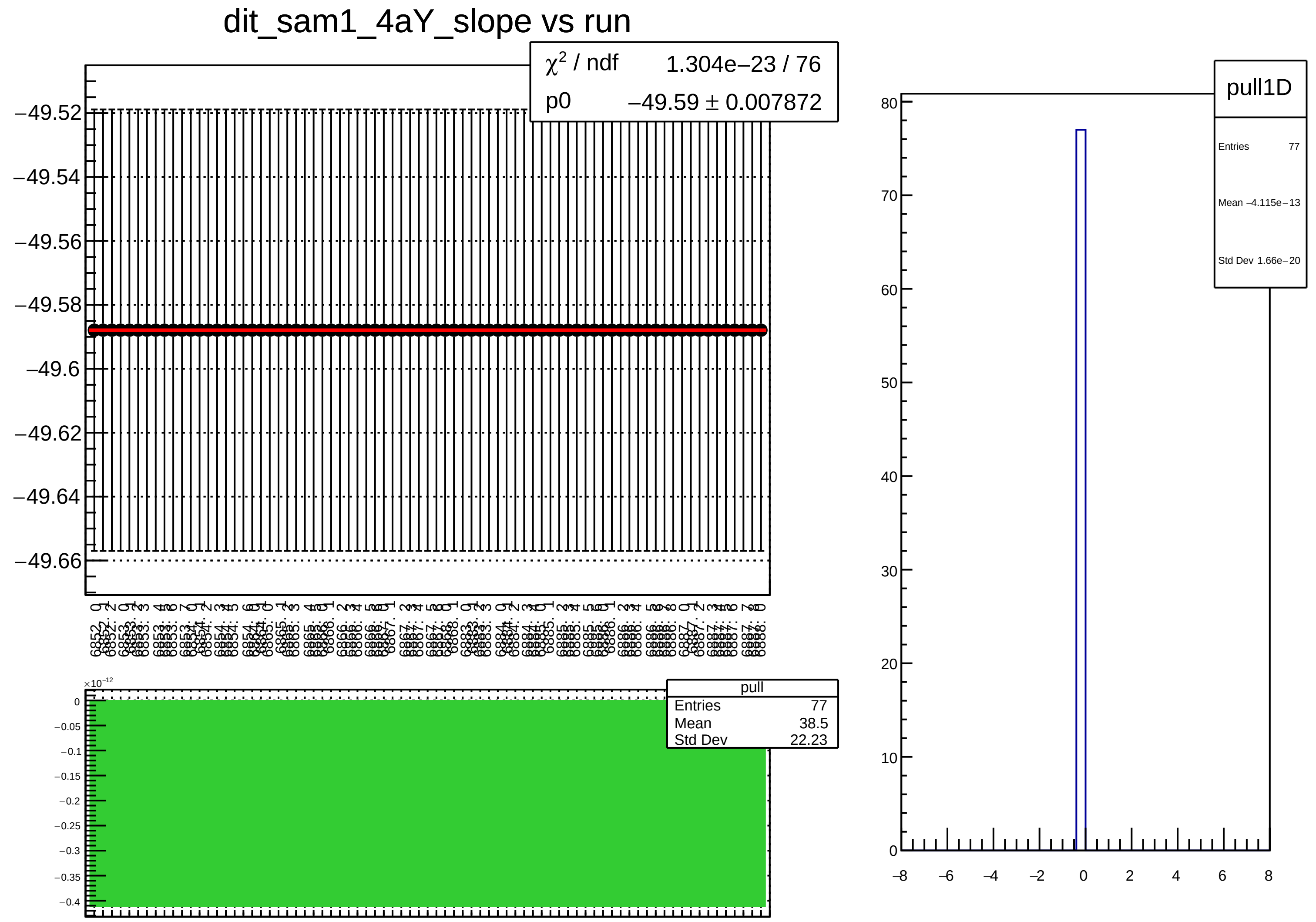

dit_atr2_4eY_slope vs run
$\chi^2$ / ndf 1.075e−24 / 76
p0 123.3 ± 0.2467
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.181e−13
Std Dev 5.082e−21


dit_sam1_4aX_slope vs run
χ2 / ndf 6.543e−27 / 76
p0 1.433 ± 0.03294
1.7
1.6
1.5
1.4
1.3
1.2
1.1
×10−15
0
−2
−4
−6
−8
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −9.218e−15
Std Dev 3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

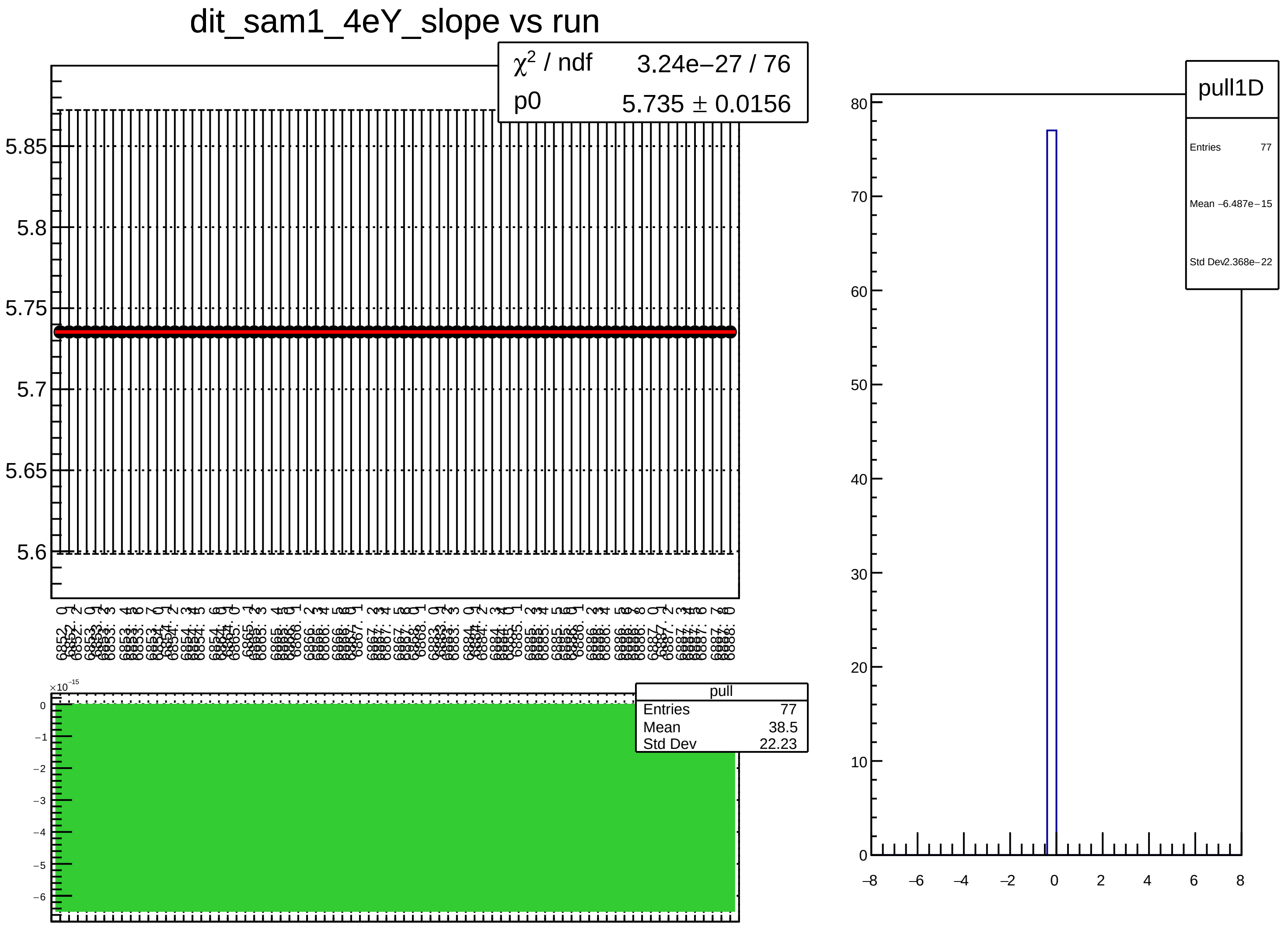


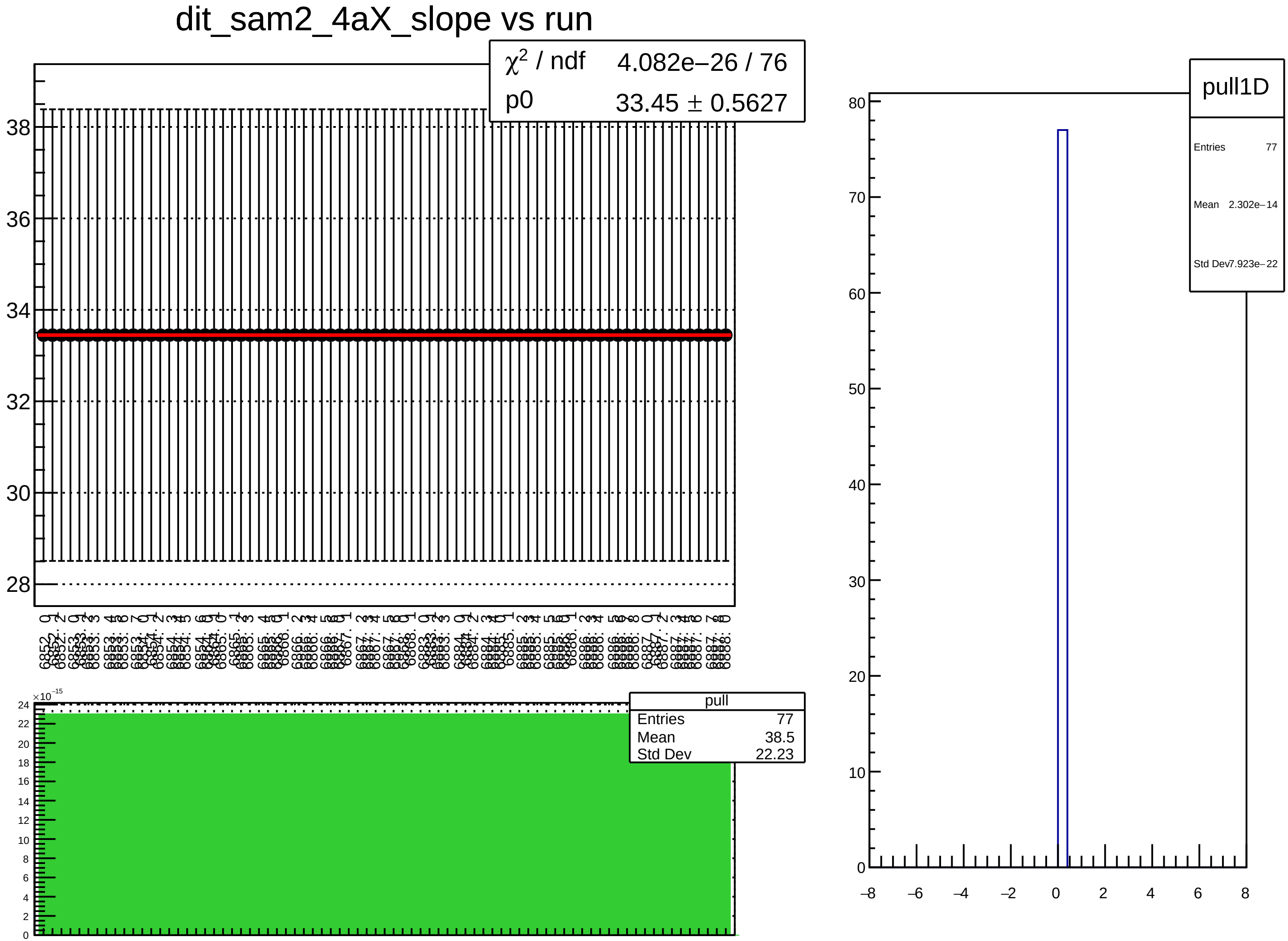
dit_sam1_4eX_slope vs run
χ2 / ndf 2.685e−25 / 76
p0 −15.28 ± 0.02742
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −5.906e−14
Std Dev2.934e−21


dit_sam1_11X12X_slope vs run
$\chi^2$ / ndf 2.116e−25 / 76
p0 0.291± 0.0009654
0.3
0.298
0.296
0.294
0.292
0.29
0.288
0.286
0.284
0.282
×10−15
0
−10
−20
−30
−40
−50
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −5.242e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



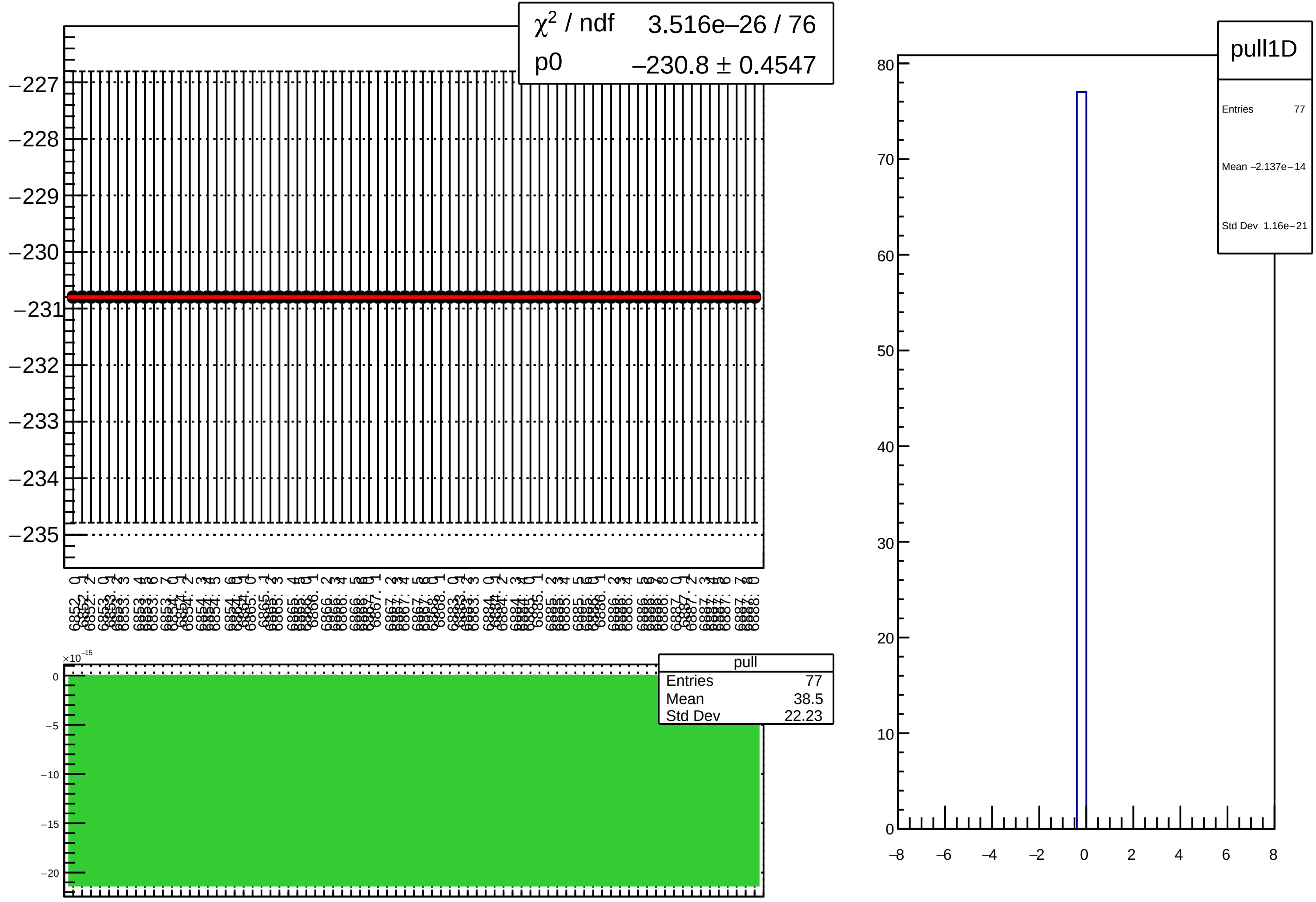
dit_sam1_4aY_slope vs run
$\chi^2$ / ndf 1.304e−23 / 76
p0 −49.59 ± 0.007872
−49.52
−49.54
−49.56
−49.58
−49.6
−49.62
−49.64
−49.66
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.115e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

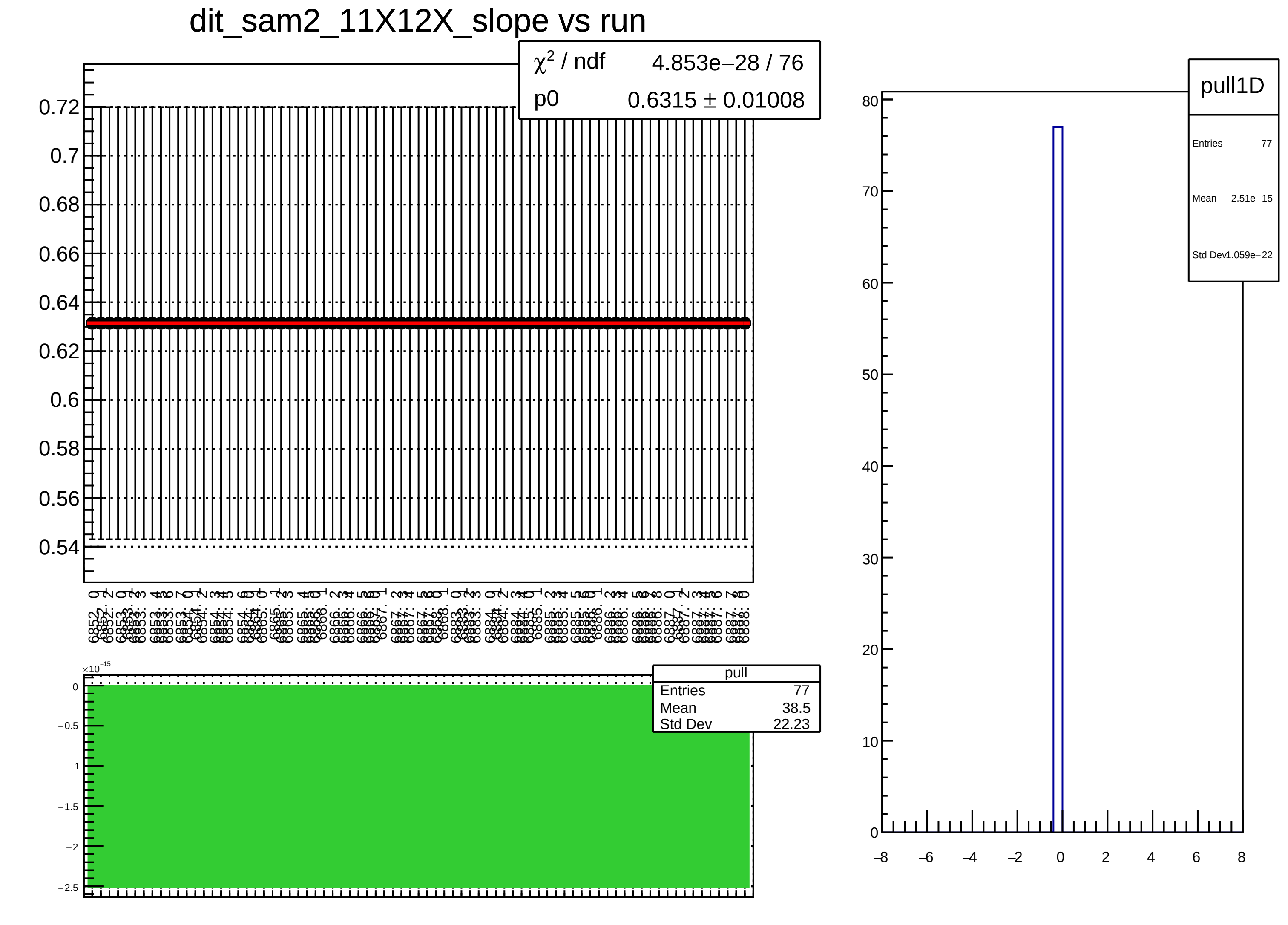

dit_sam1_4eY_slope vs run
$\chi^2$ / ndf 3.24e−27 / 76
p0 5.735 ± 0.0156
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −6.487e−15
Std Dev 2.368e−22



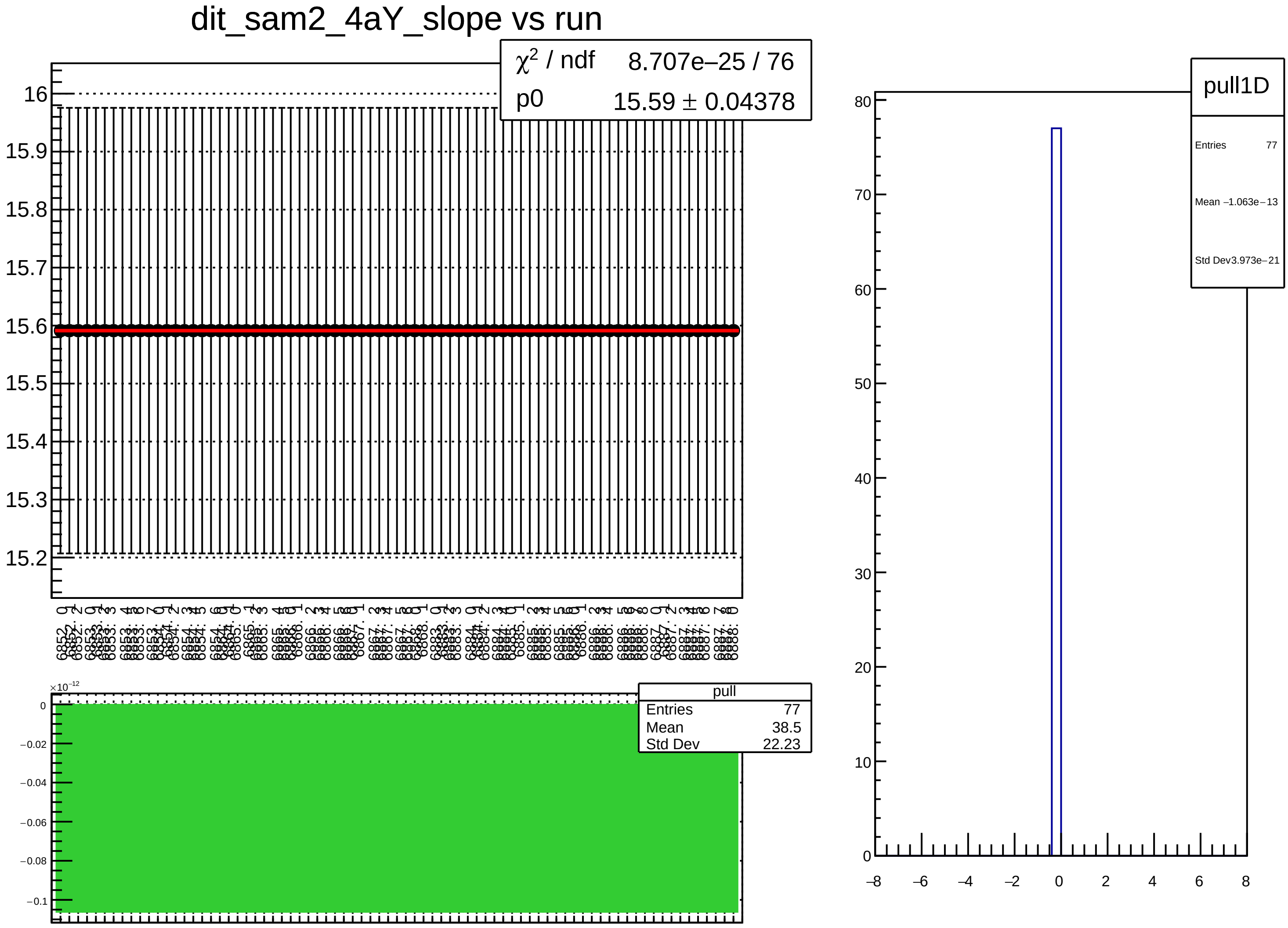
dit_sam2_4aX_slope vs run
$\chi^2$ / ndf 4.082e−26 / 76
p0 33.45 ± 0.5627
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 2.302e−14
Std Dev 7.923e−22

dit_sam2_4eX_slope vs run

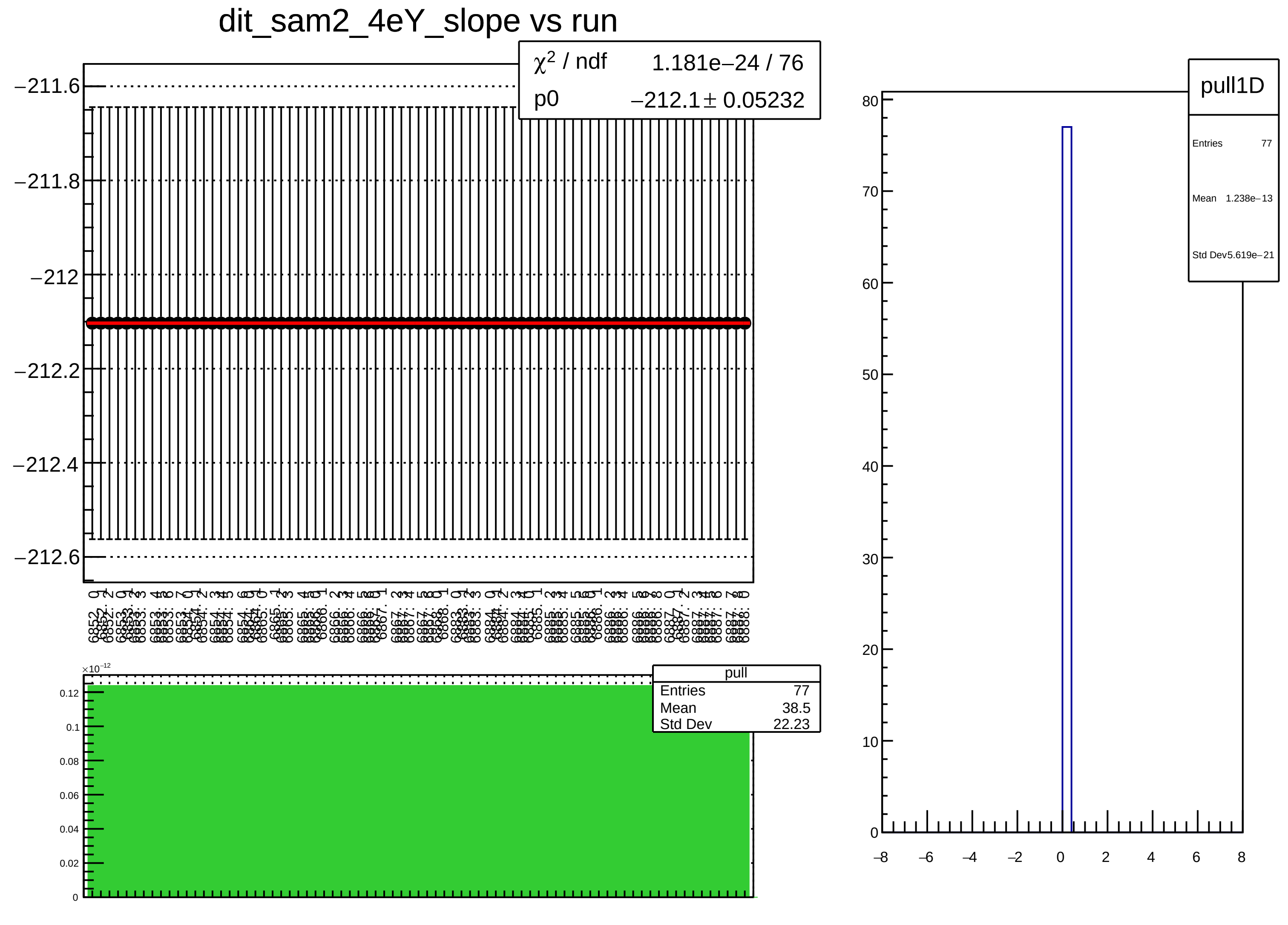




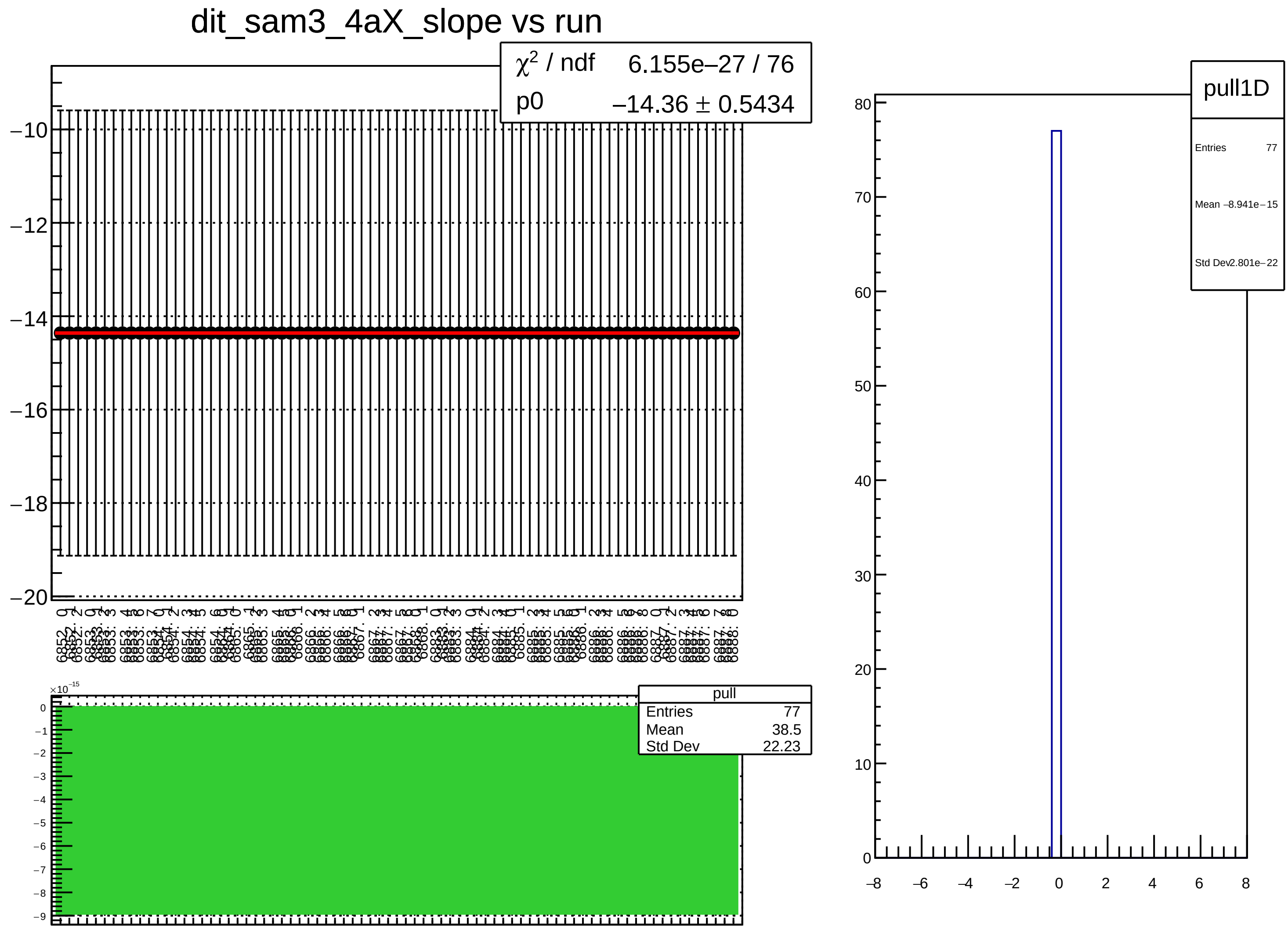
dit_sam2_11X12X_slope vs run
$\chi^2$ / ndf 4.853e−28 / 76
p0 0.6315 ± 0.01008
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −2.51e−15
Std Dev 1.059e−22

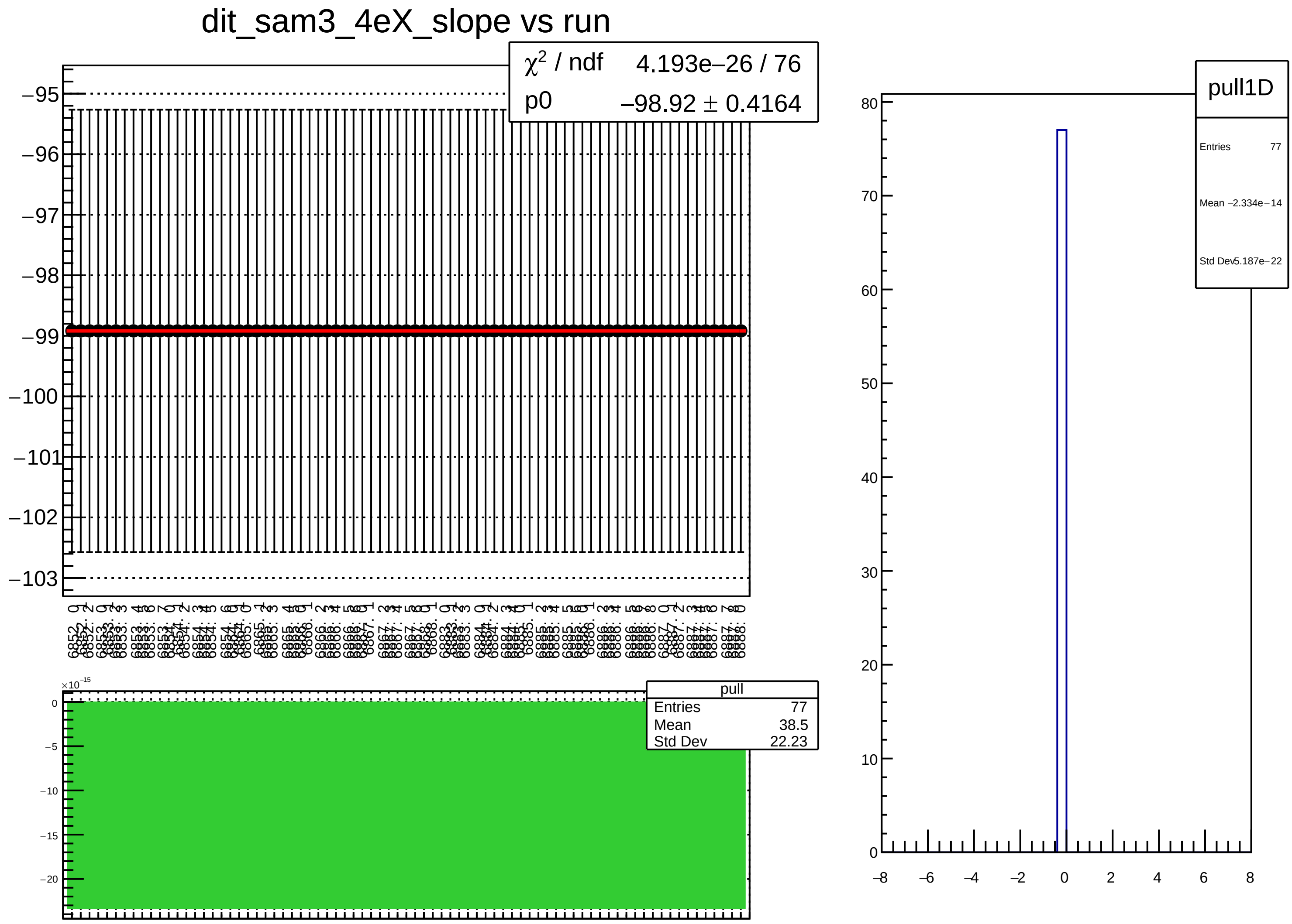


dit_sam2_4aY_slope vs run
$\chi^2$ / ndf 8.707e−25 / 76
p0 15.59 ± 0.04378
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.063e−13
Std Dev3.973e−21

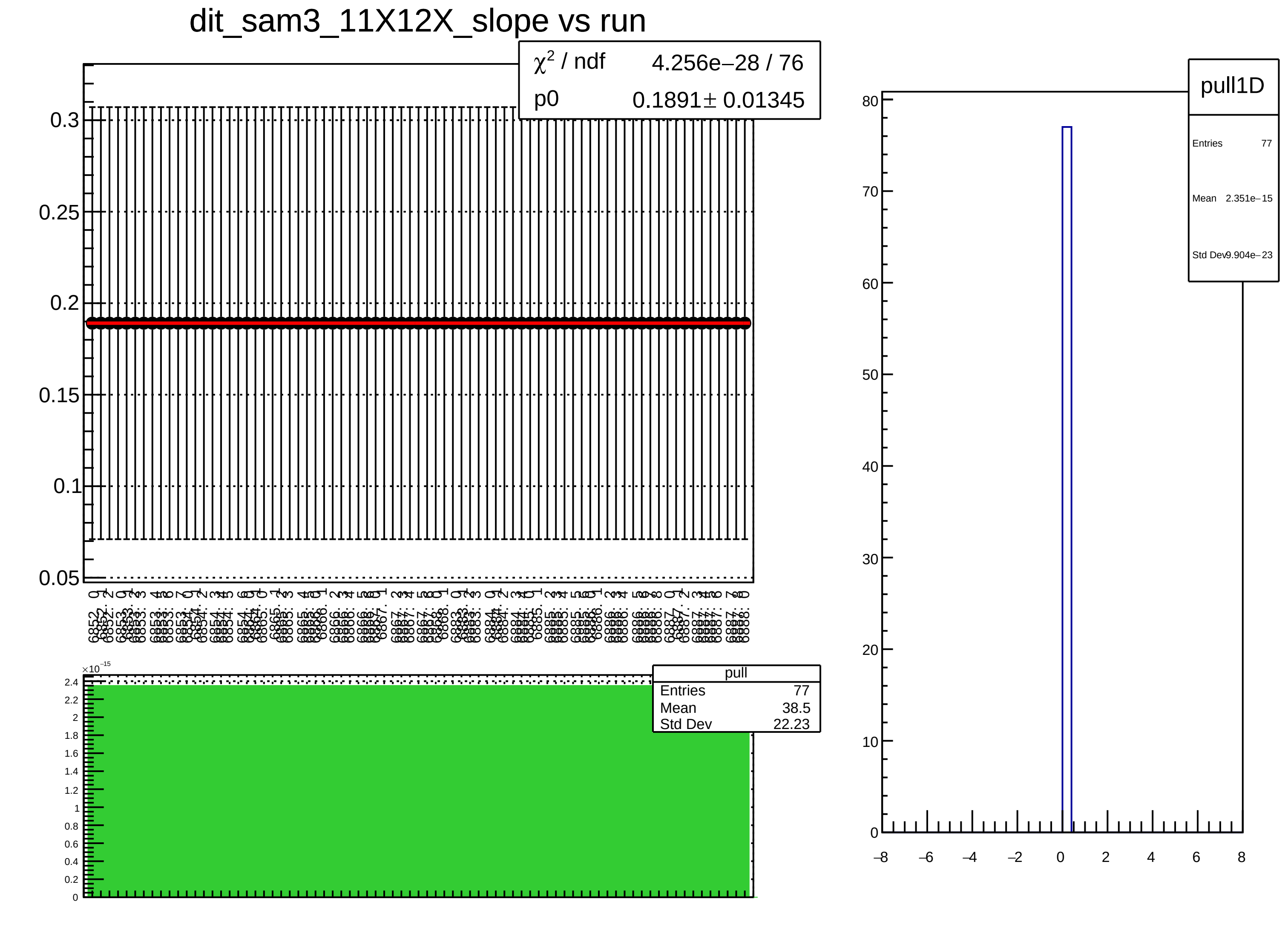


dit_sam2_4eY_slope vs run
$\chi^2$ / ndf 1.181e−24 / 76
p0 −212.1 ± 0.05232
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.238e−13
Std Dev 5.619e−21

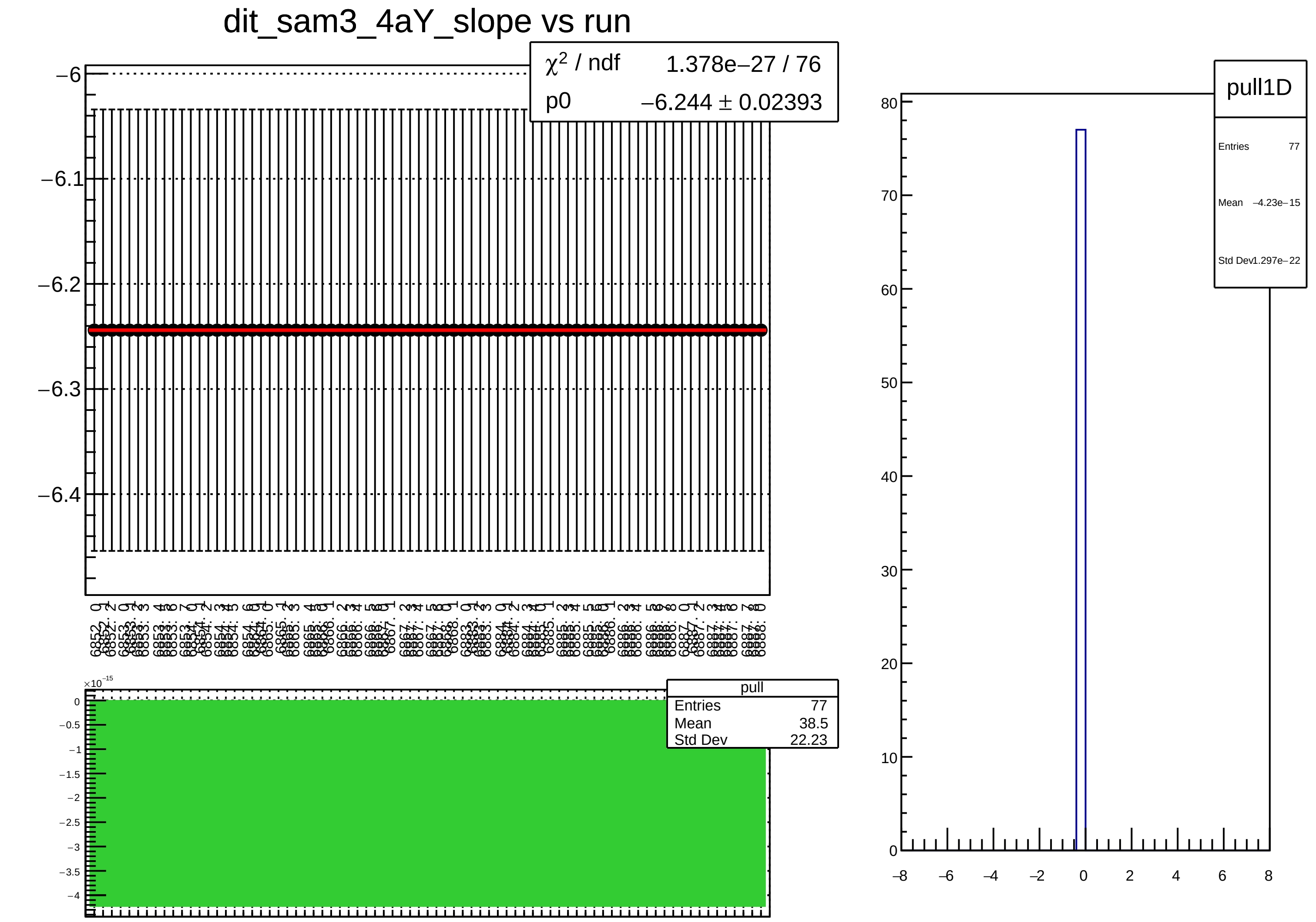

dit_sam3_4aX_slope vs run
$\chi^2$ / ndf 6.155e−27 / 76
p0 −14.36 ± 0.5434
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −8.941e−15
Std Dev 2.801e−22



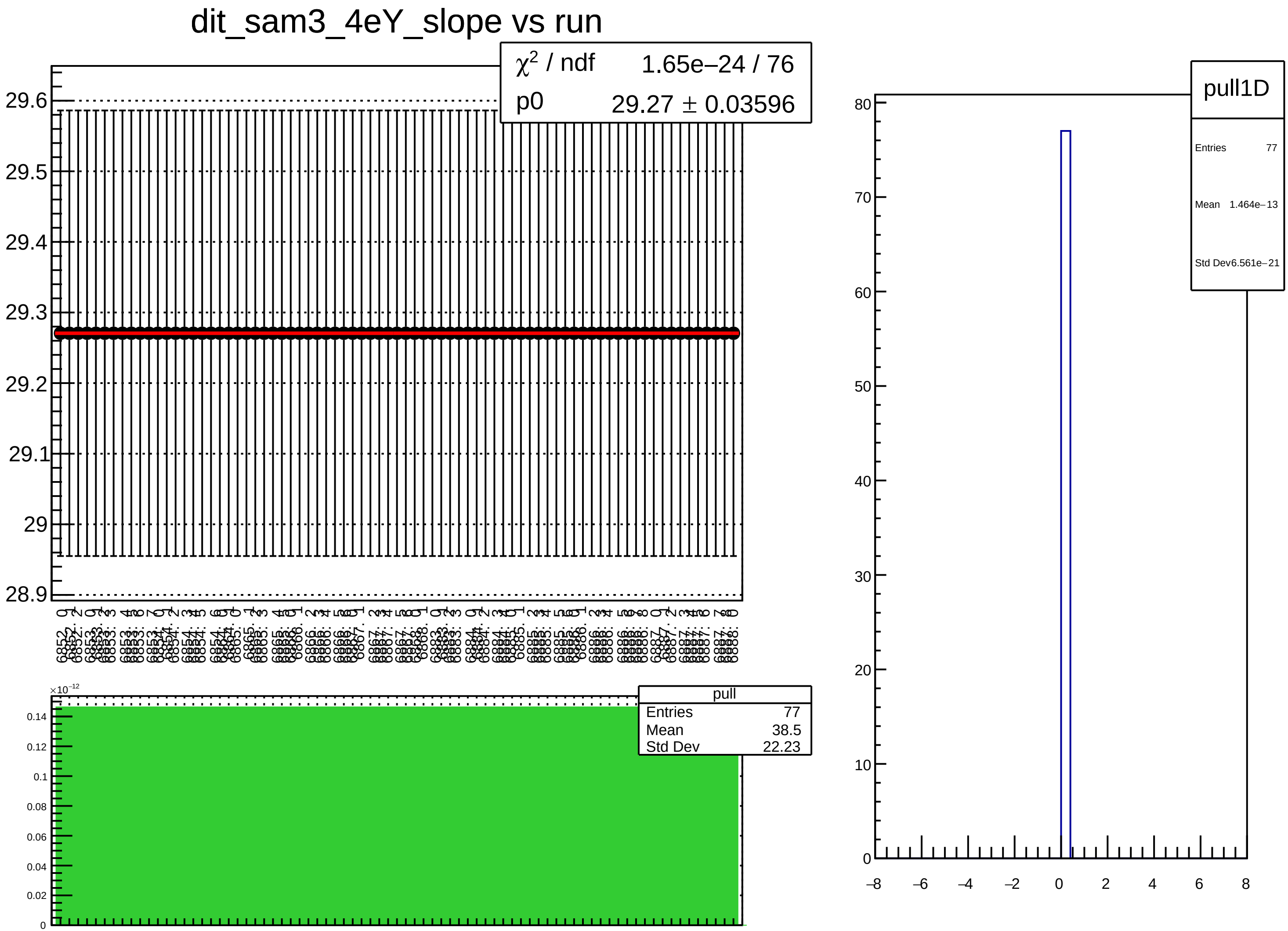
dit_sam3_4eX_slope vs run
χ2 / ndf 4.193e−26 / 76
p0 −98.92 ± 0.4164
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −2.334e−14
Std Dev 5.187e−22



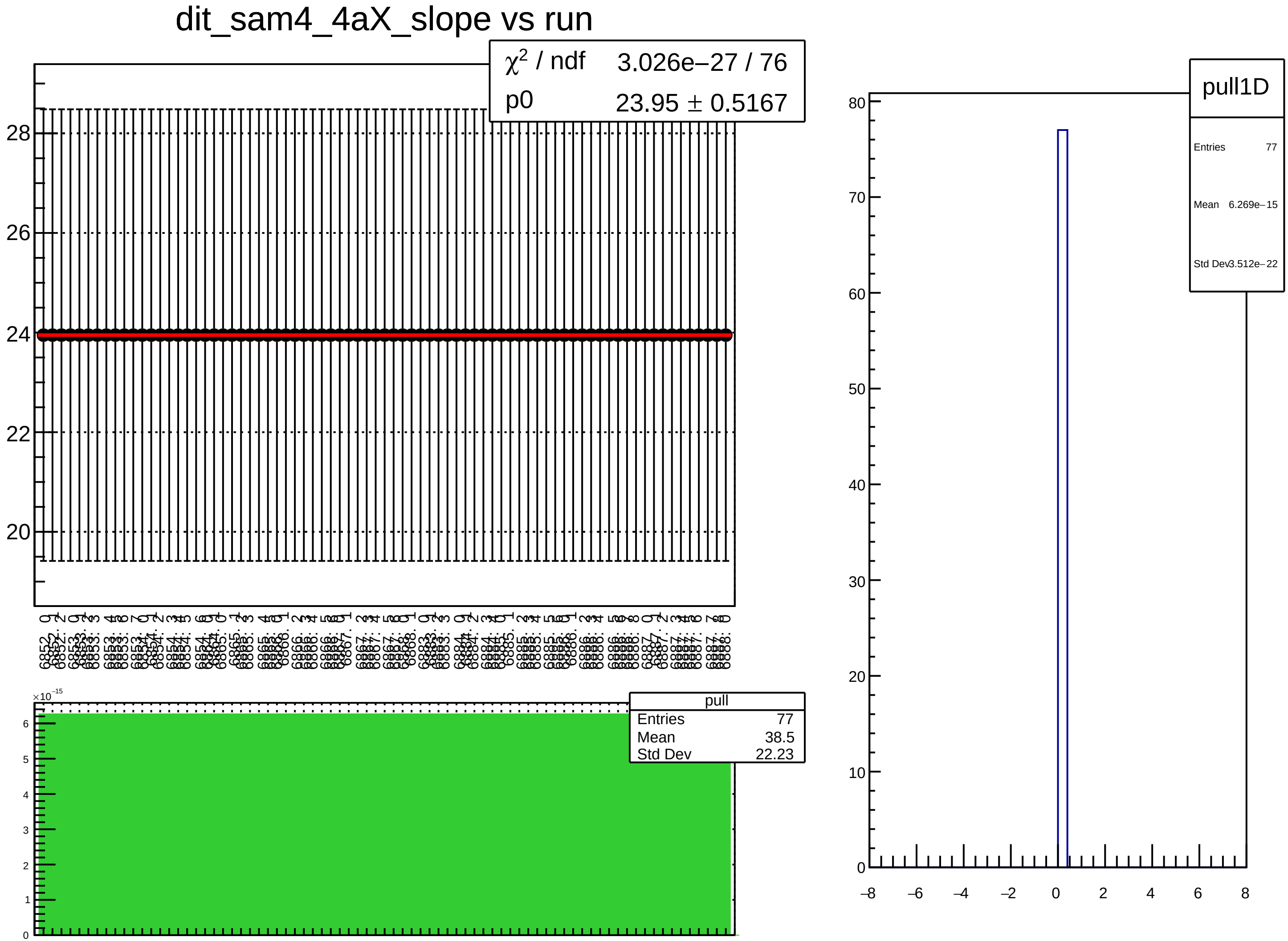
dit_sam3_11X12X_slope vs run
χ2 / ndf 4.256e−28 / 76
p0 0.1891 ± 0.01345
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 2.351e−15
Std Dev 9.904e−23



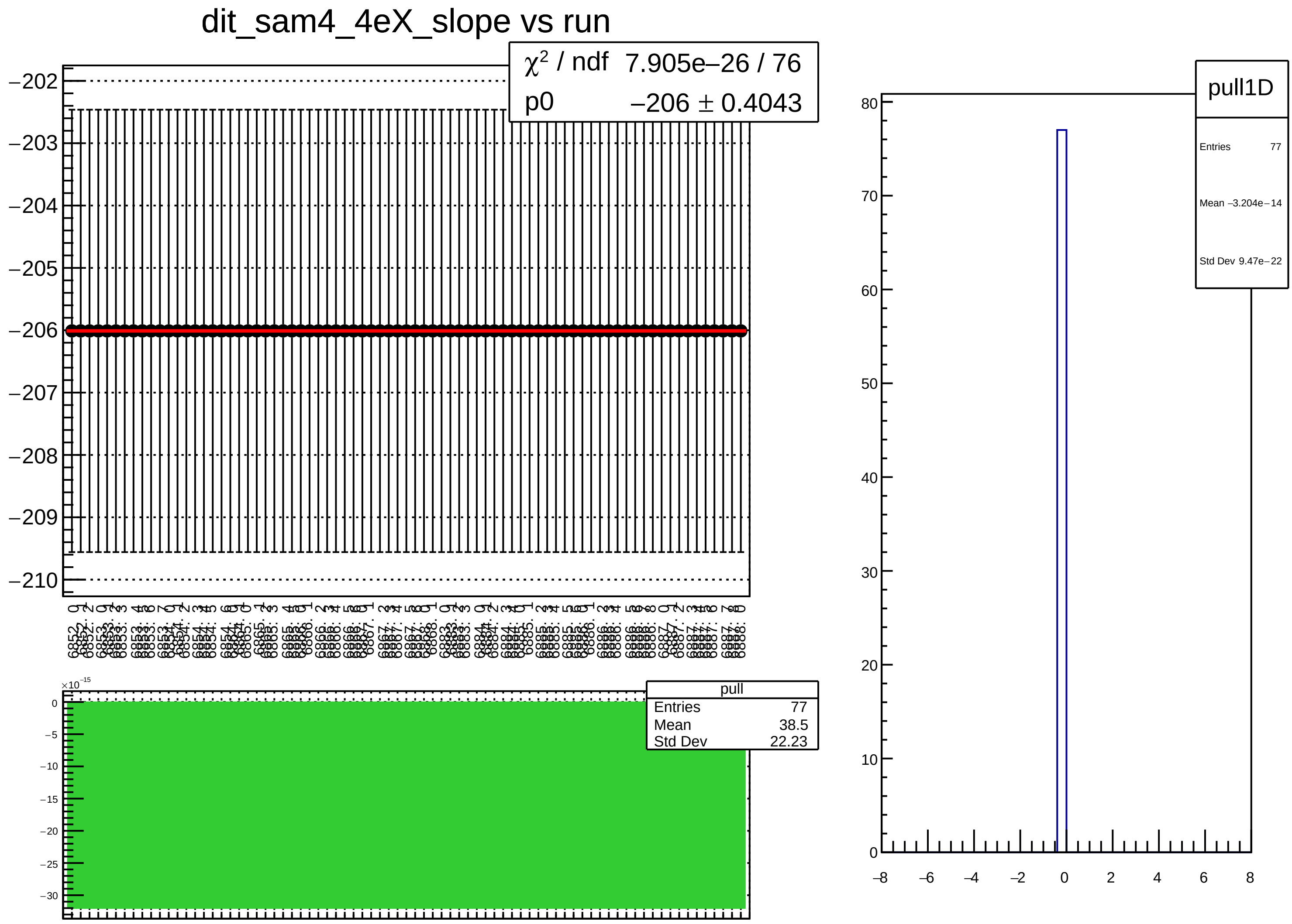
dit_sam3_4aY_slope vs run
$\chi^2$ / ndf 1.378e−27 / 76
p0 −6.244 ± 0.02393
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.23e−15
Std Dev1.297e−22



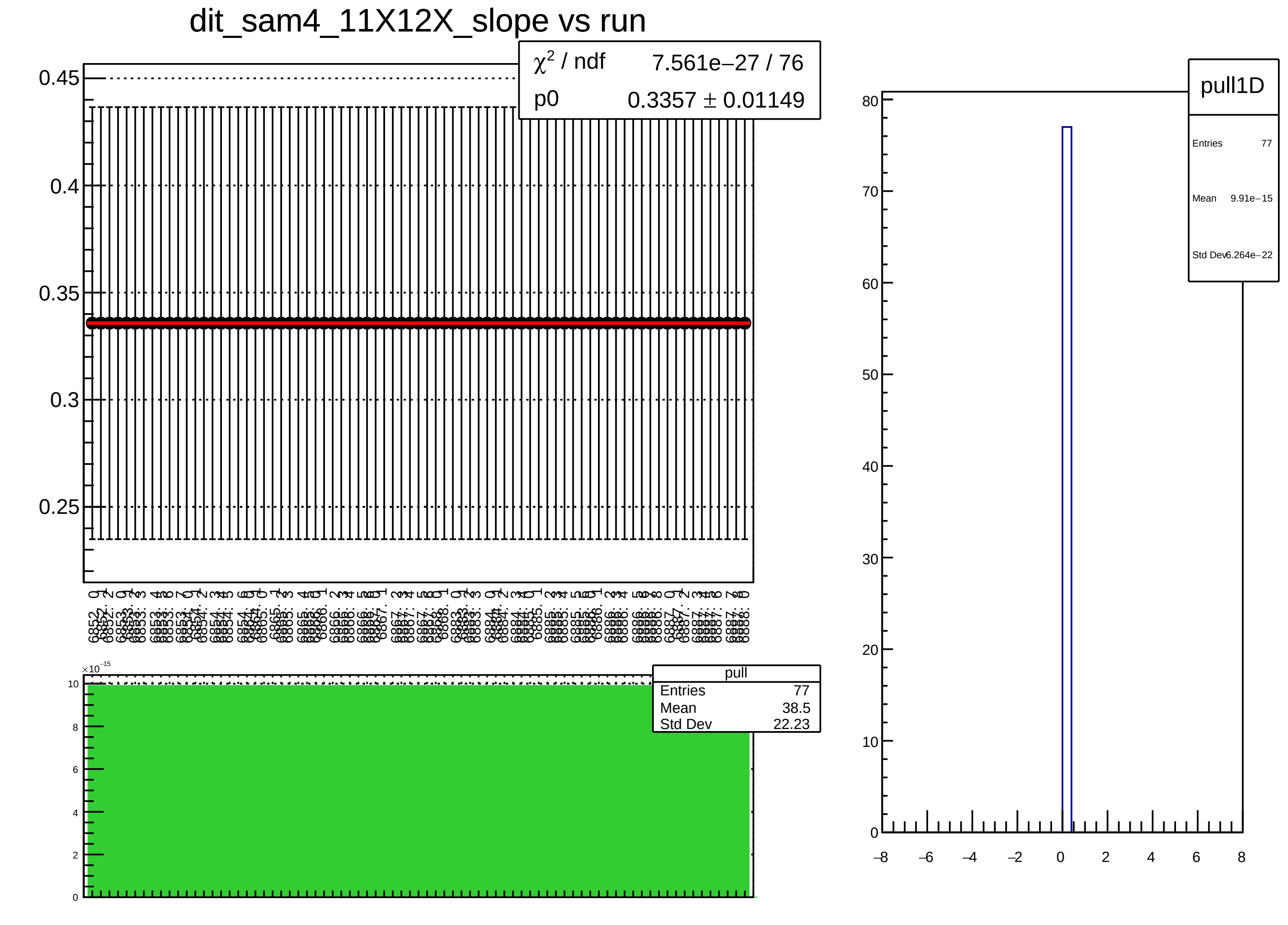
dit_sam3_4eY_slope vs run
χ2 / ndf 1.65e−24 / 76
p0 29.27 ± 0.03596
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.464e−13
Std Dev6.561e−21



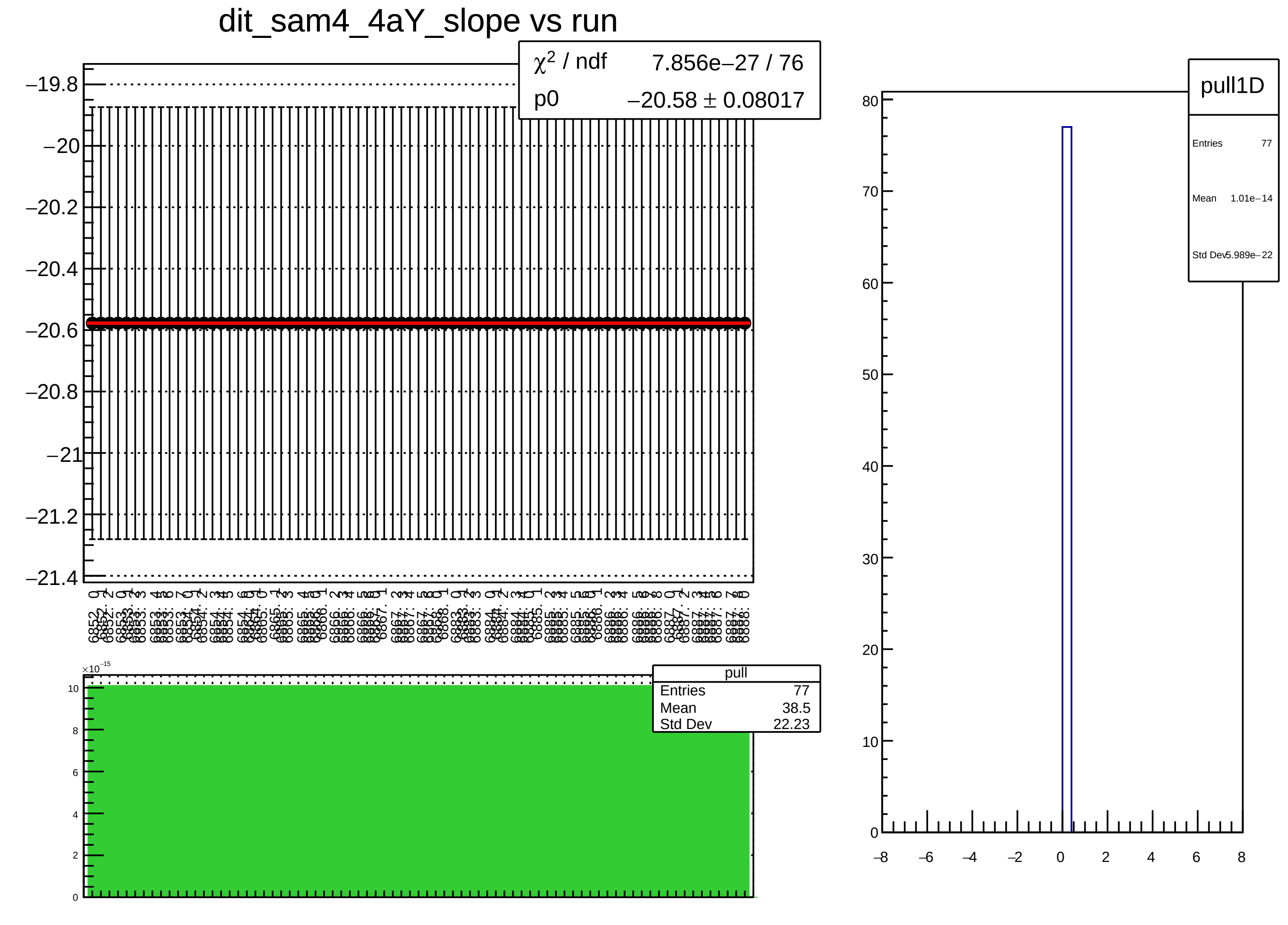
dit_sam4_4aX_slope vs run
$\chi^2$ / ndf 3.026e−27 / 76
p0 23.95 ± 0.5167
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 6.269e−15
Std Dev 3.512e−22



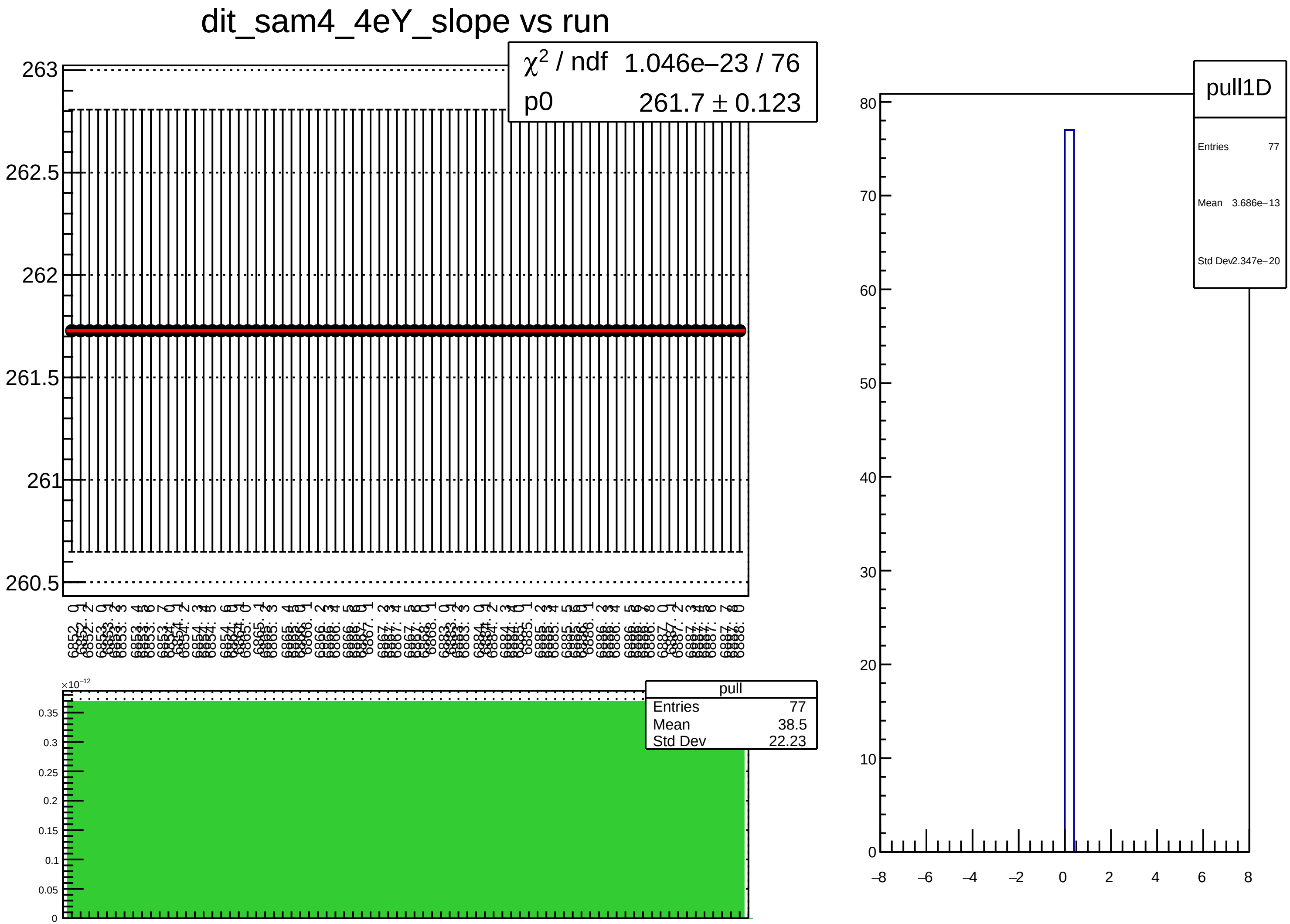
dit_sam4_4eX_slope vs run
χ2 / ndf 7.905e−26 / 76
p0 −206 ± 0.4043
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −3.204e−14
Std Dev 9.47e−22

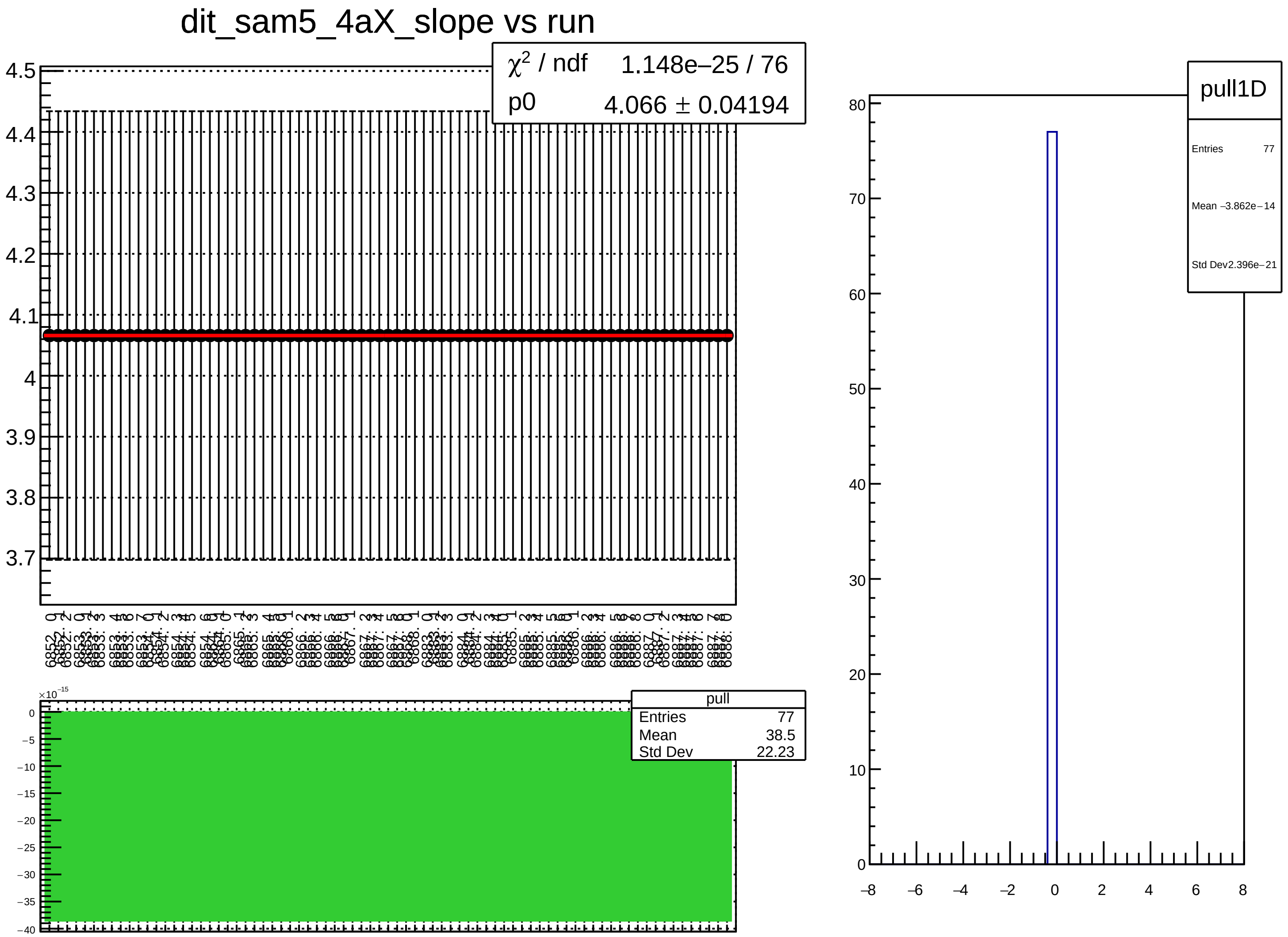


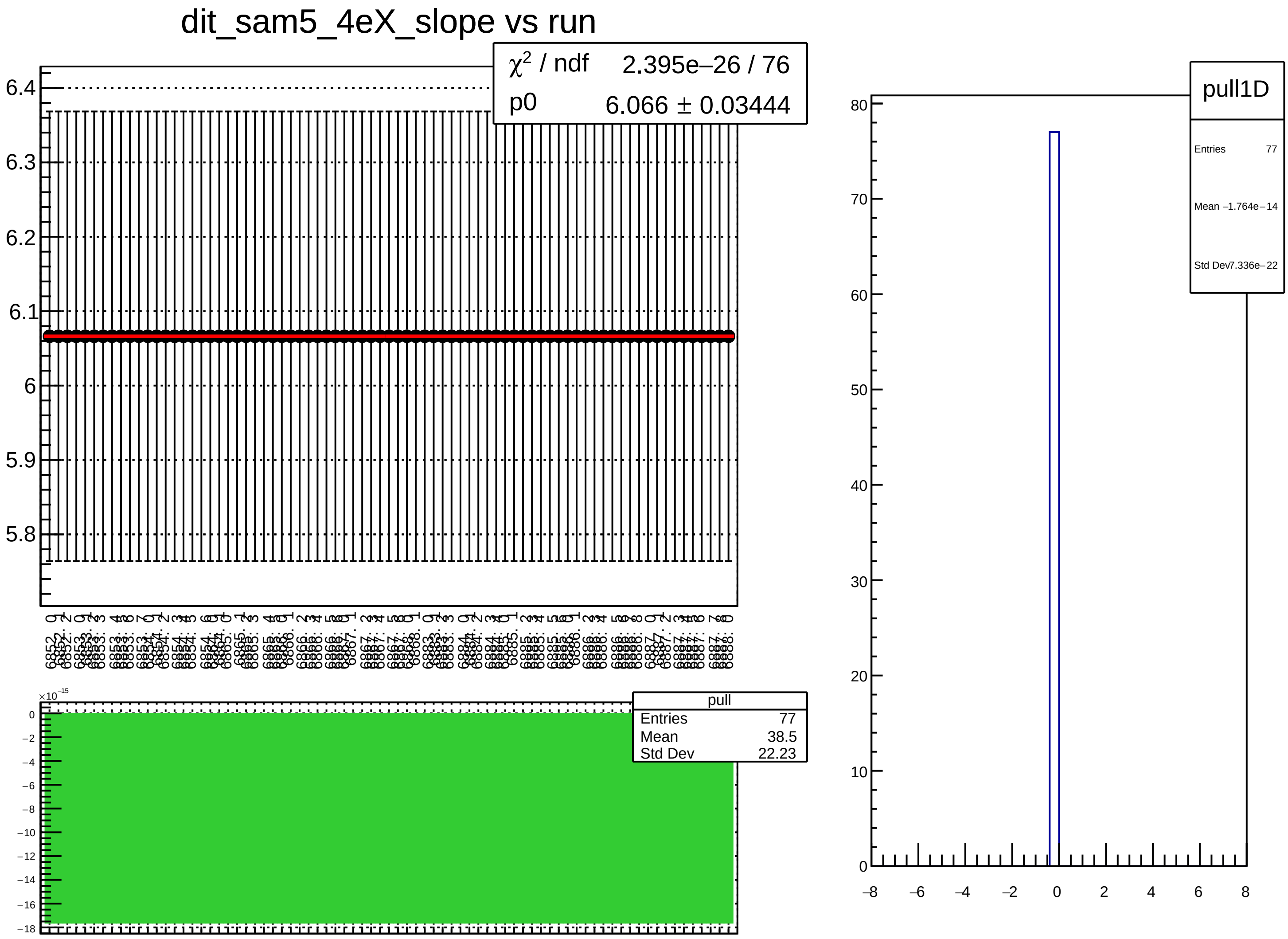
dit_sam4_11X12X_slope vs run
$\chi^2$ / ndf 7.561e−27 / 76
p0 0.3357 ± 0.01149
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 9.91e−15
Std Dev 6.264e−22



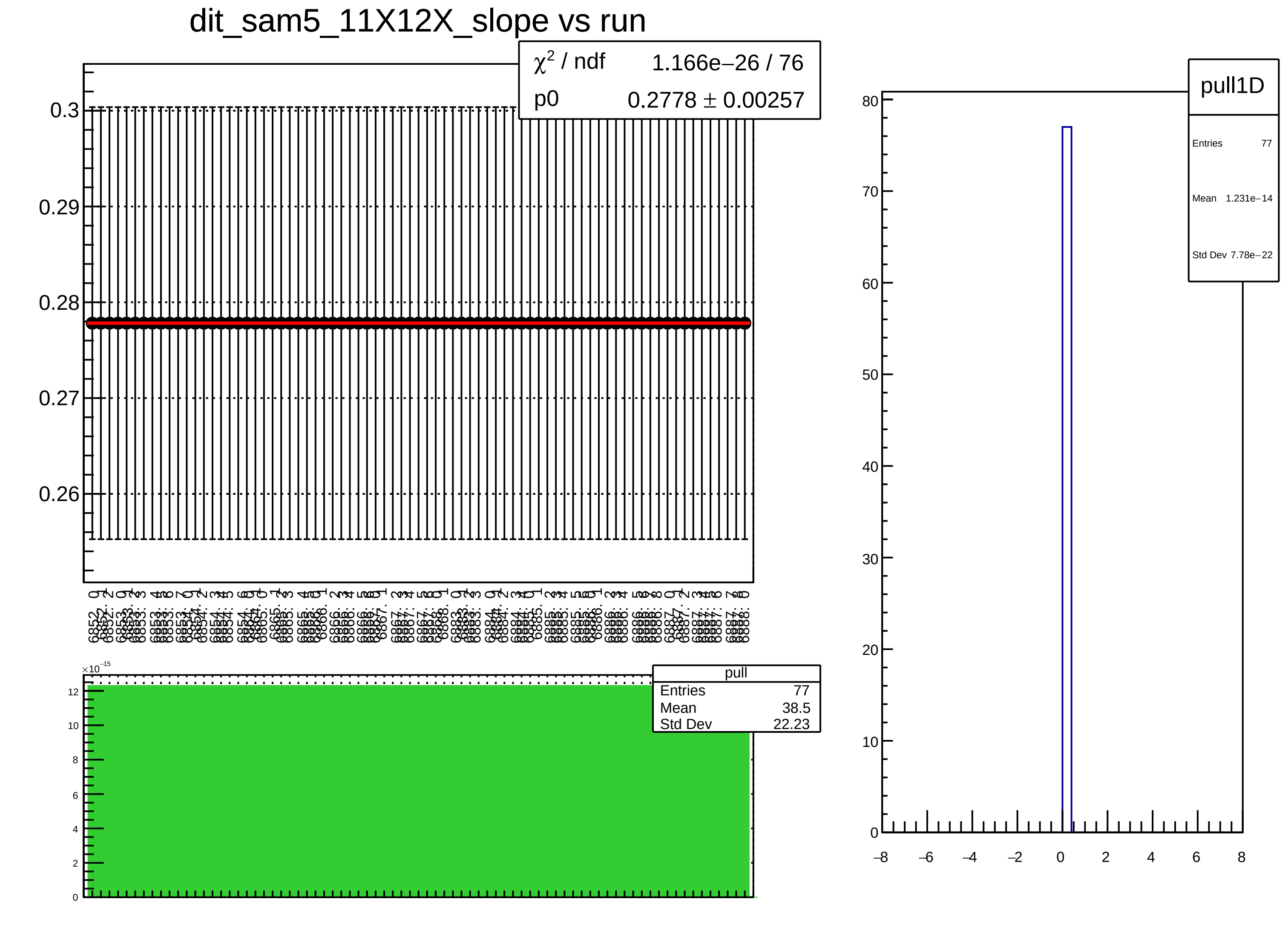
dit_sam4_4aY_slope vs run
$\chi^2$ / ndf 7.856e−27 / 76
p0 −20.58 ± 0.08017
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.01e−14
Std Dev 5.989e−22


dit_sam4_4eY_slope vs run
χ2 / ndf 1.046e−23 / 76
p0 261.7 ± 0.123
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 3.686e−13
Std Dev 2.347e−20

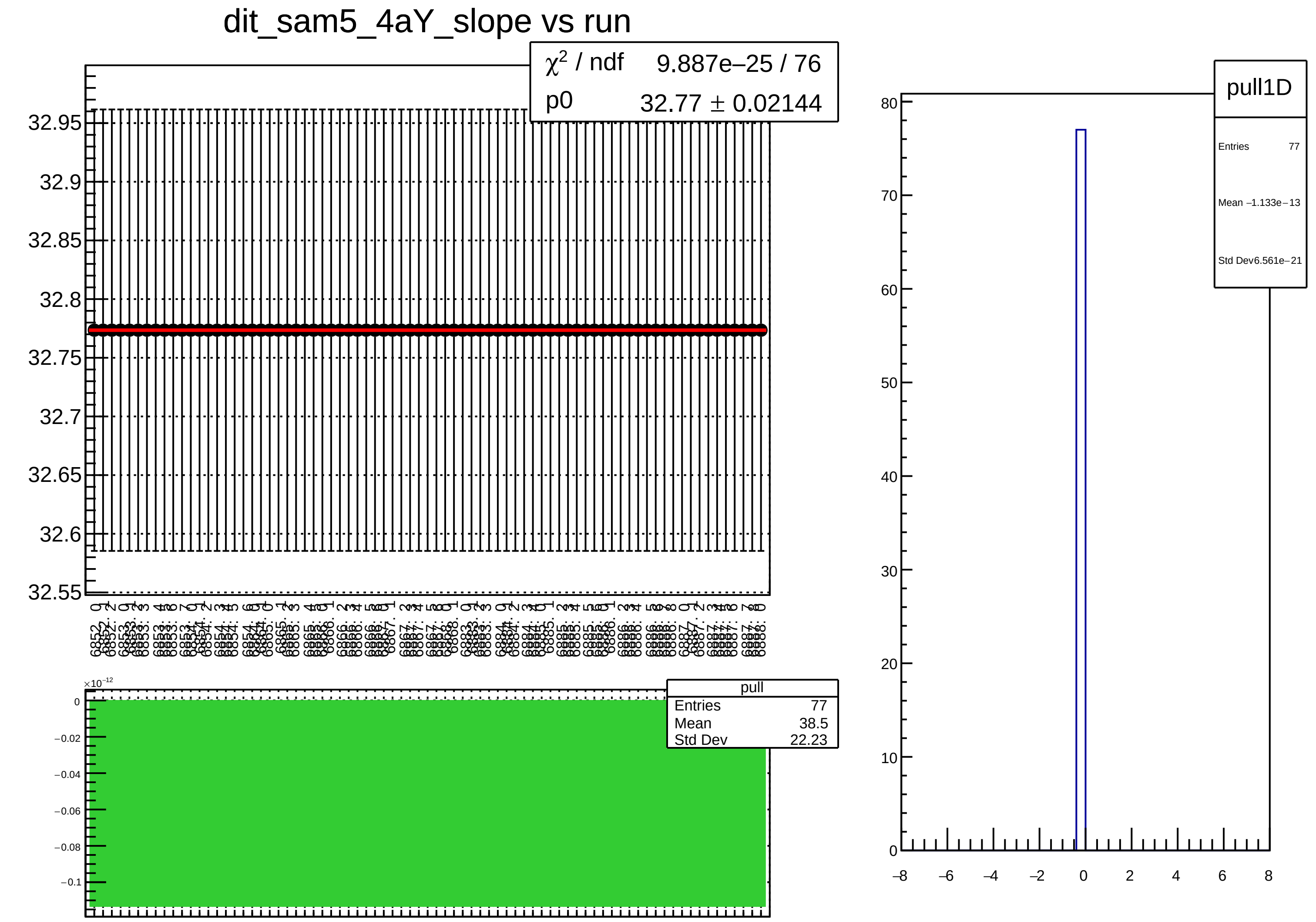

dit_sam5_4aX_slope vs run
χ2 / ndf 1.148e−25 / 76
p0 4.066 ± 0.04194
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −3.862e−14
Std Dev 2.396e−21

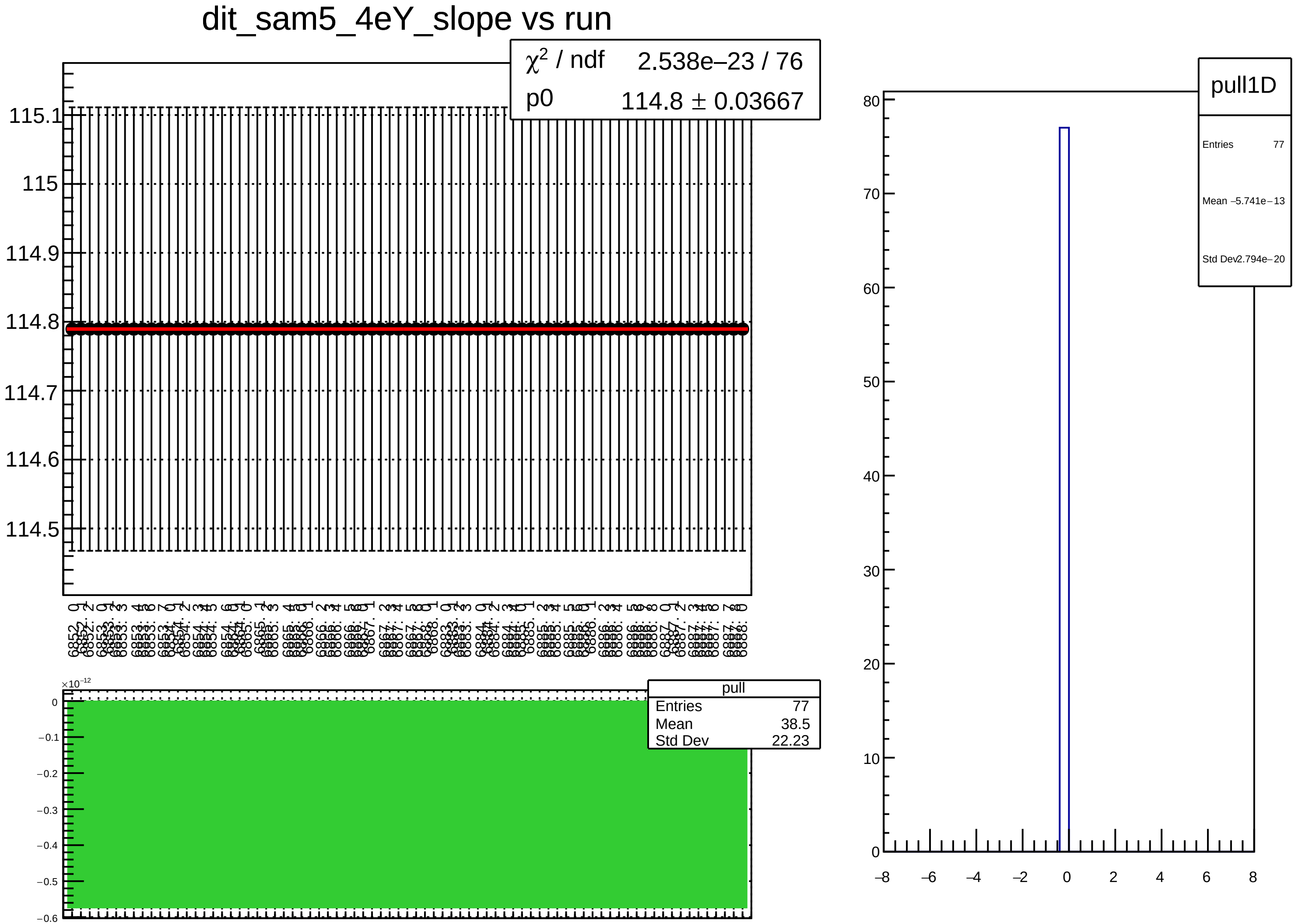


dit_sam5_4eX_slope vs run
$\chi^2$ / ndf 2.395e−26 / 76
p0 6.066 ± 0.03444
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.764e−14
Std Dev 7.336e−22

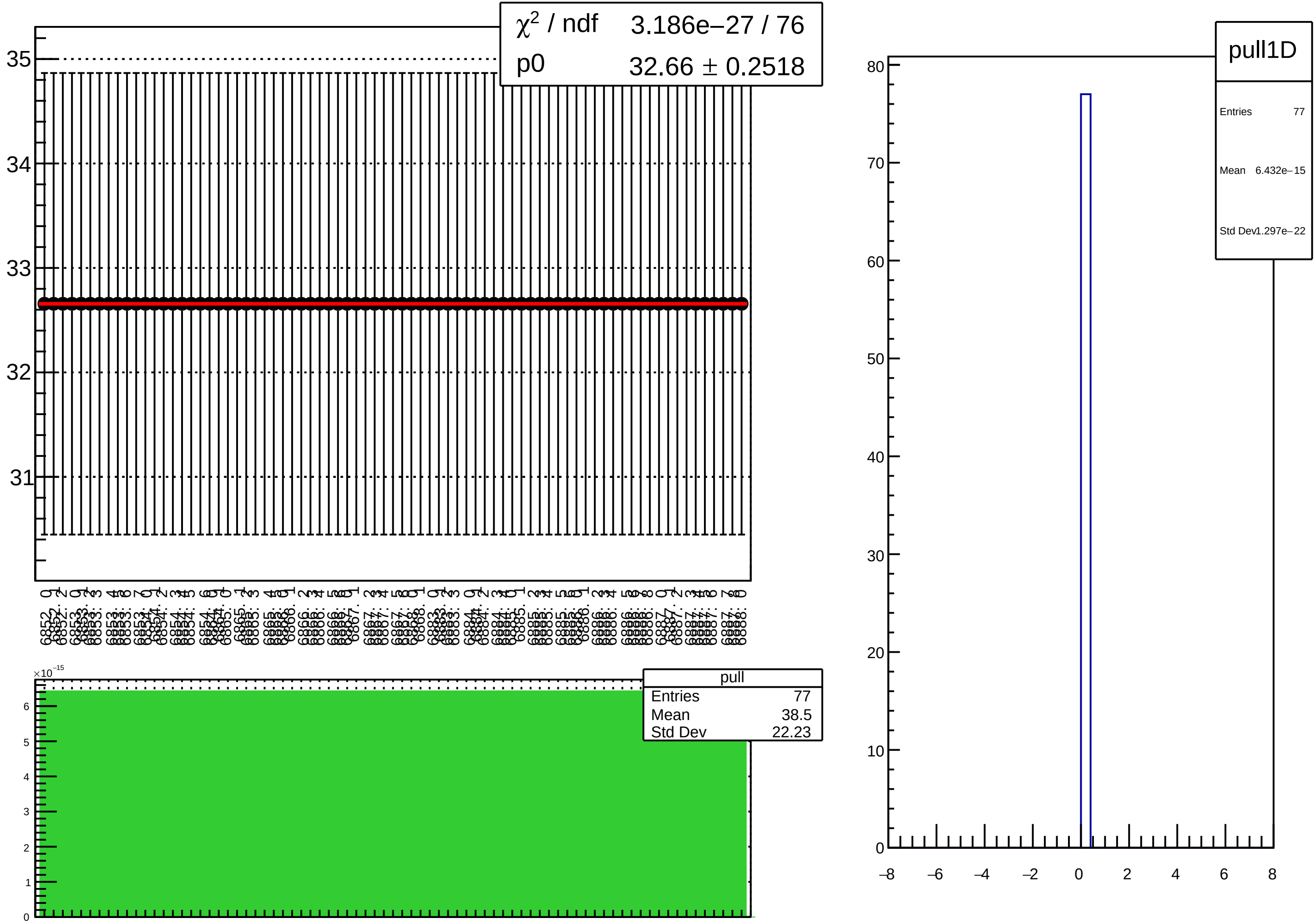


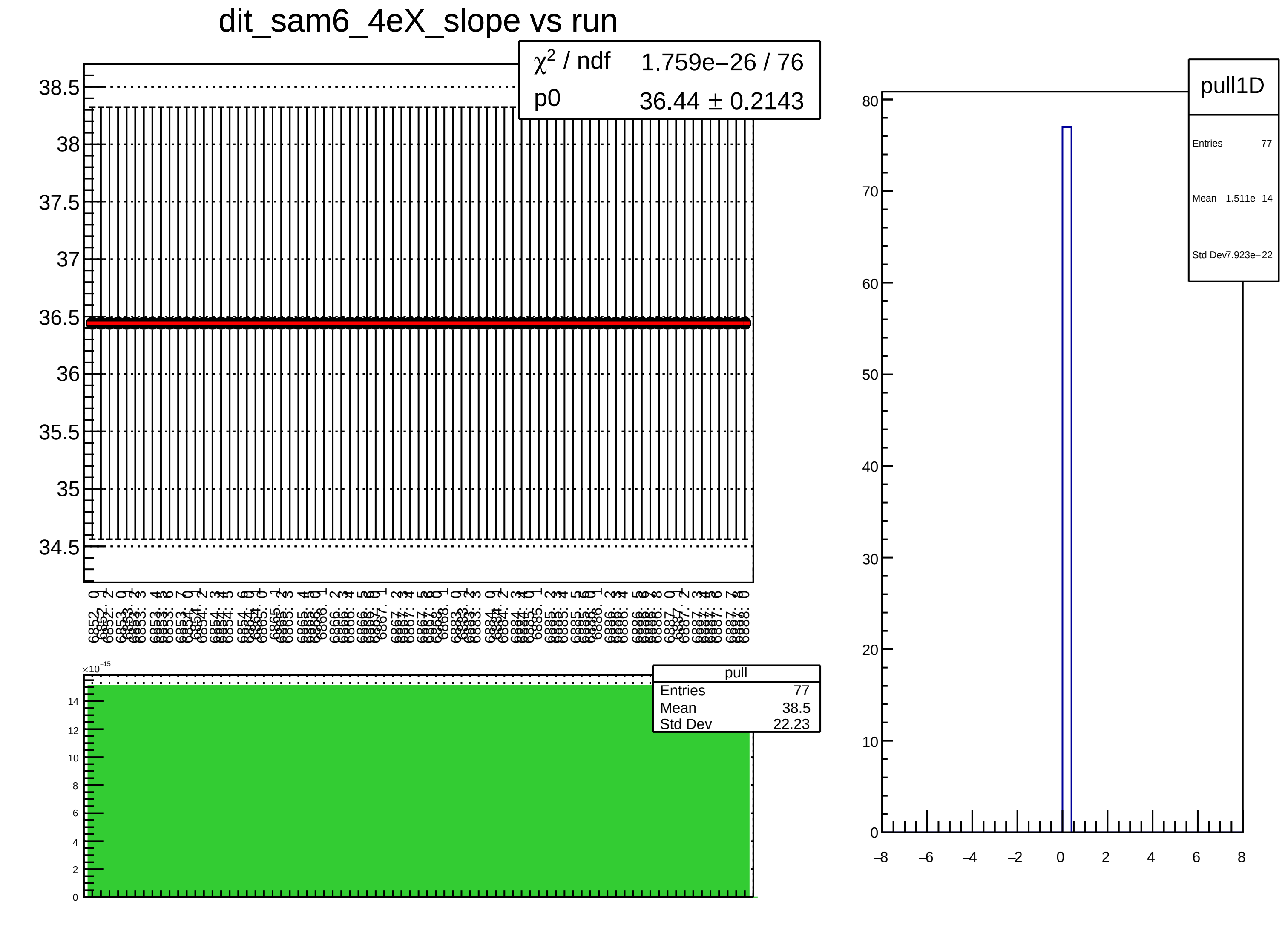
dit_sam5_11X12X_slope vs run
$\chi^2$ / ndf 1.166e−26 / 76
p0 0.2778 ± 0.00257
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.231e−14
Std Dev 7.78e−22


dit_sam5_4aY_slope vs run
χ2 / ndf 9.887e−25 / 76
p0 32.77 ± 0.02144
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.133e−13
Std Dev 6.561e−21

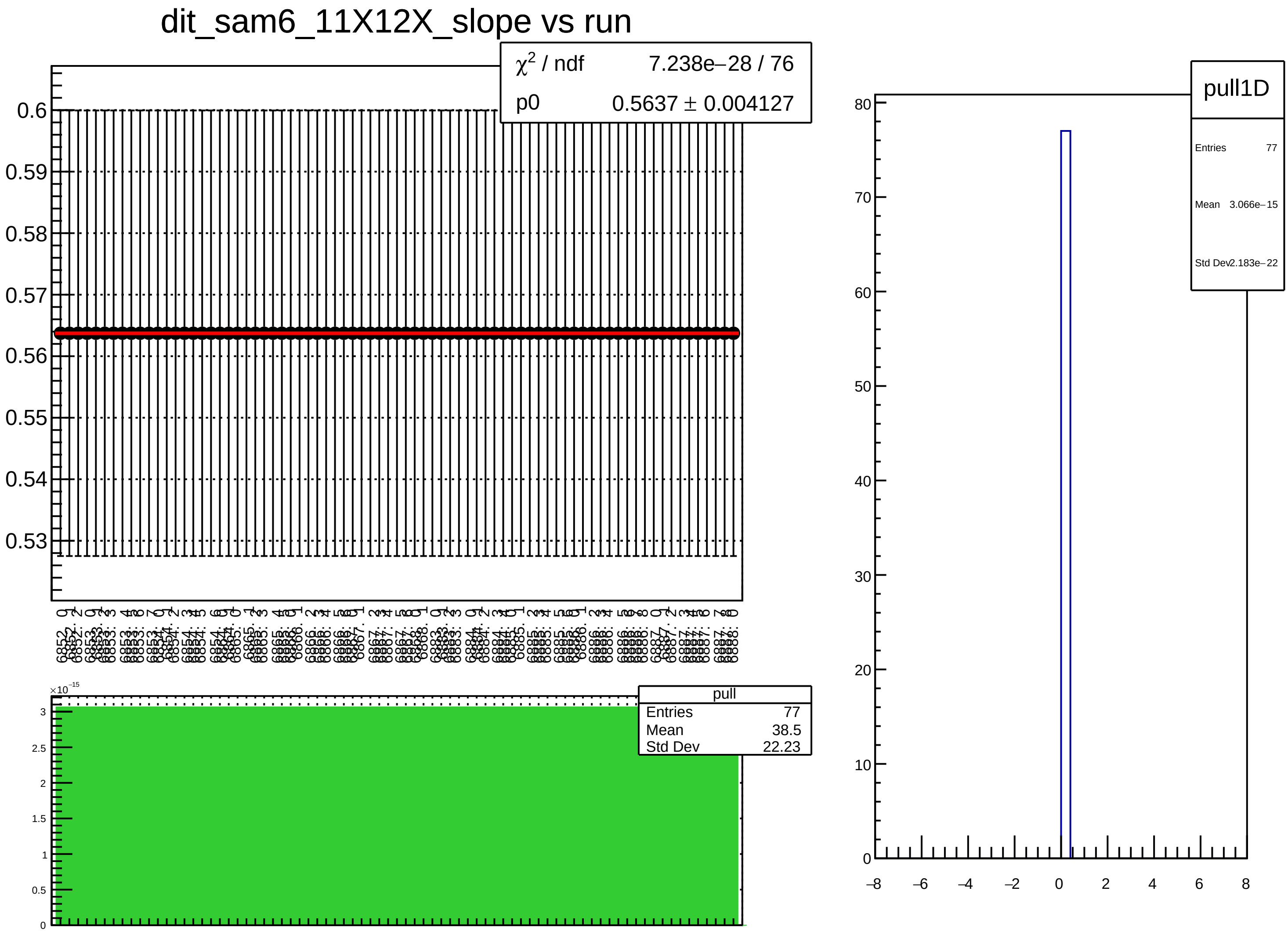

dit_sam5_4eY_slope vs run
$\chi^2$ / ndf 2.538e−23 / 76
p0 114.8 ± 0.03667
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −5.741e−13
Std Dev2.794e−20

dit_sam6_4aX_slope vs run

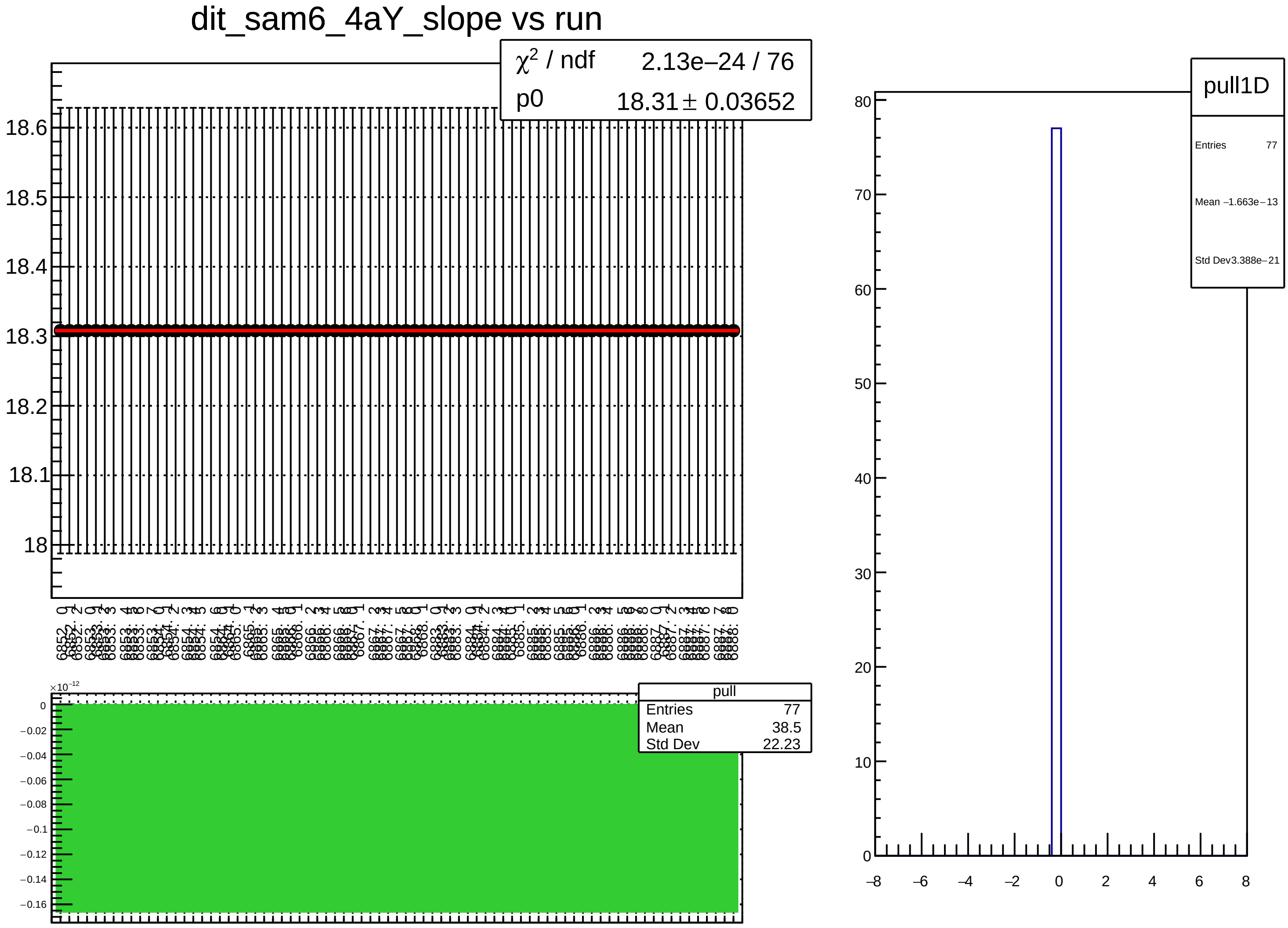




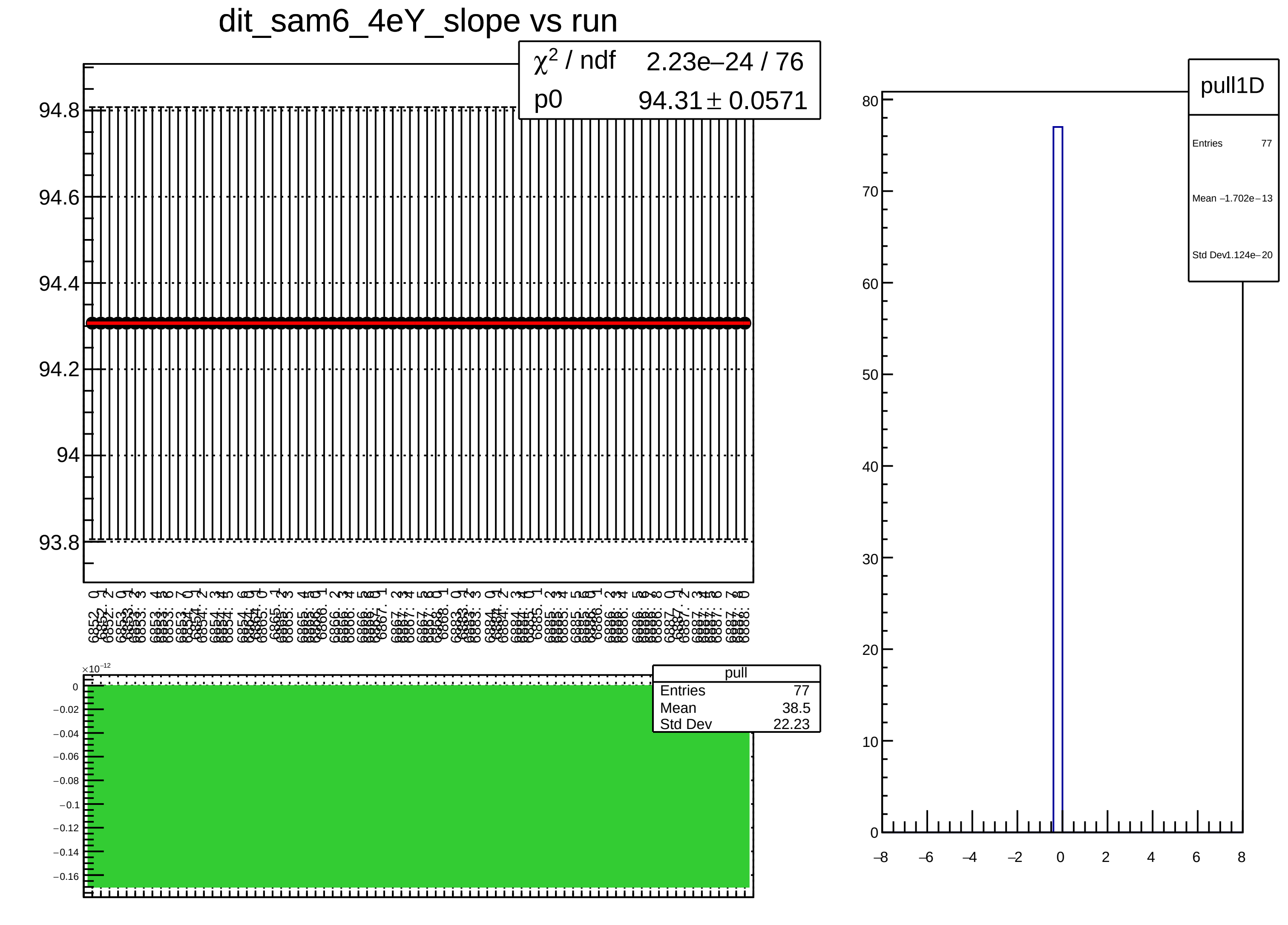
dit_sam6_4eX_slope vs run
$\chi^2$ / ndf 1.759e−26 / 76
p0 36.44 ± 0.2143
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 1.511e−14
Std Dev 7.923e−22



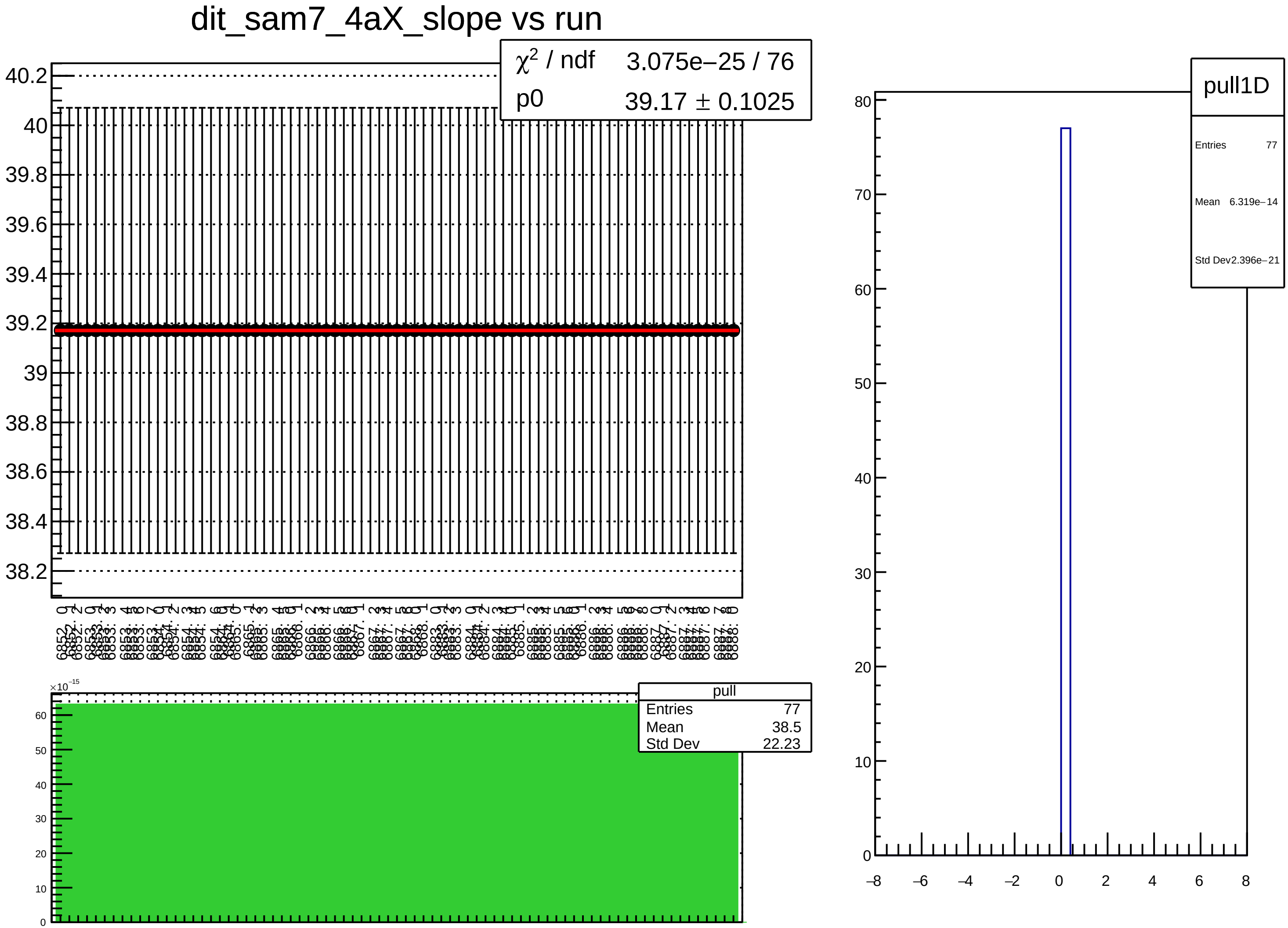
dit_sam6_11X12X_slope vs run
$\chi^2$ / ndf 7.238e−28 / 76
p0 0.5637 ± 0.004127
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 3.066e−15
Std Dev 2.183e−22



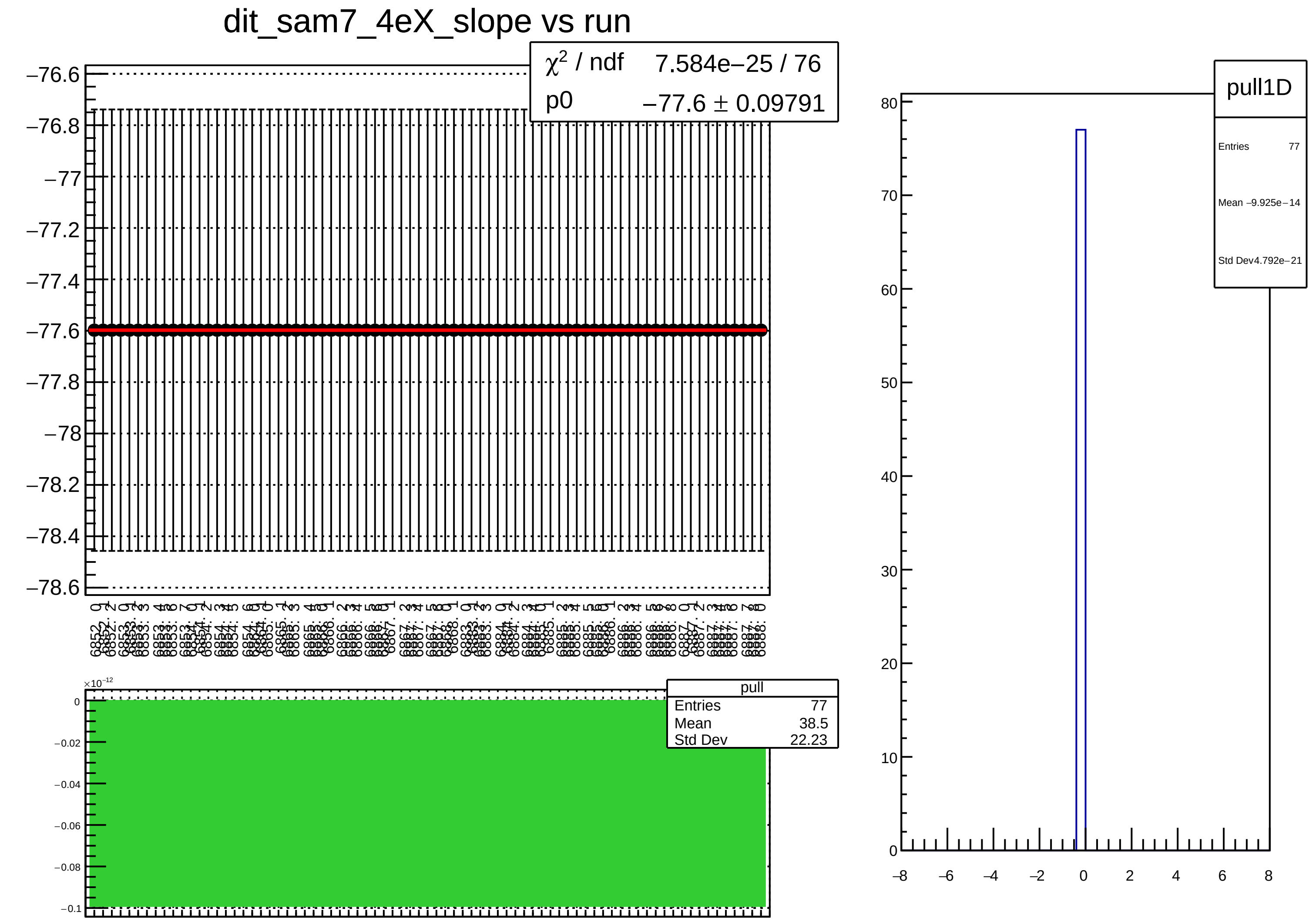
dit_sam6_4aY_slope vs run
$\chi^2$ / ndf 2.13e−24 / 76
p0 18.31 ± 0.03652
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.663e−13
Std Dev 3.388e−21



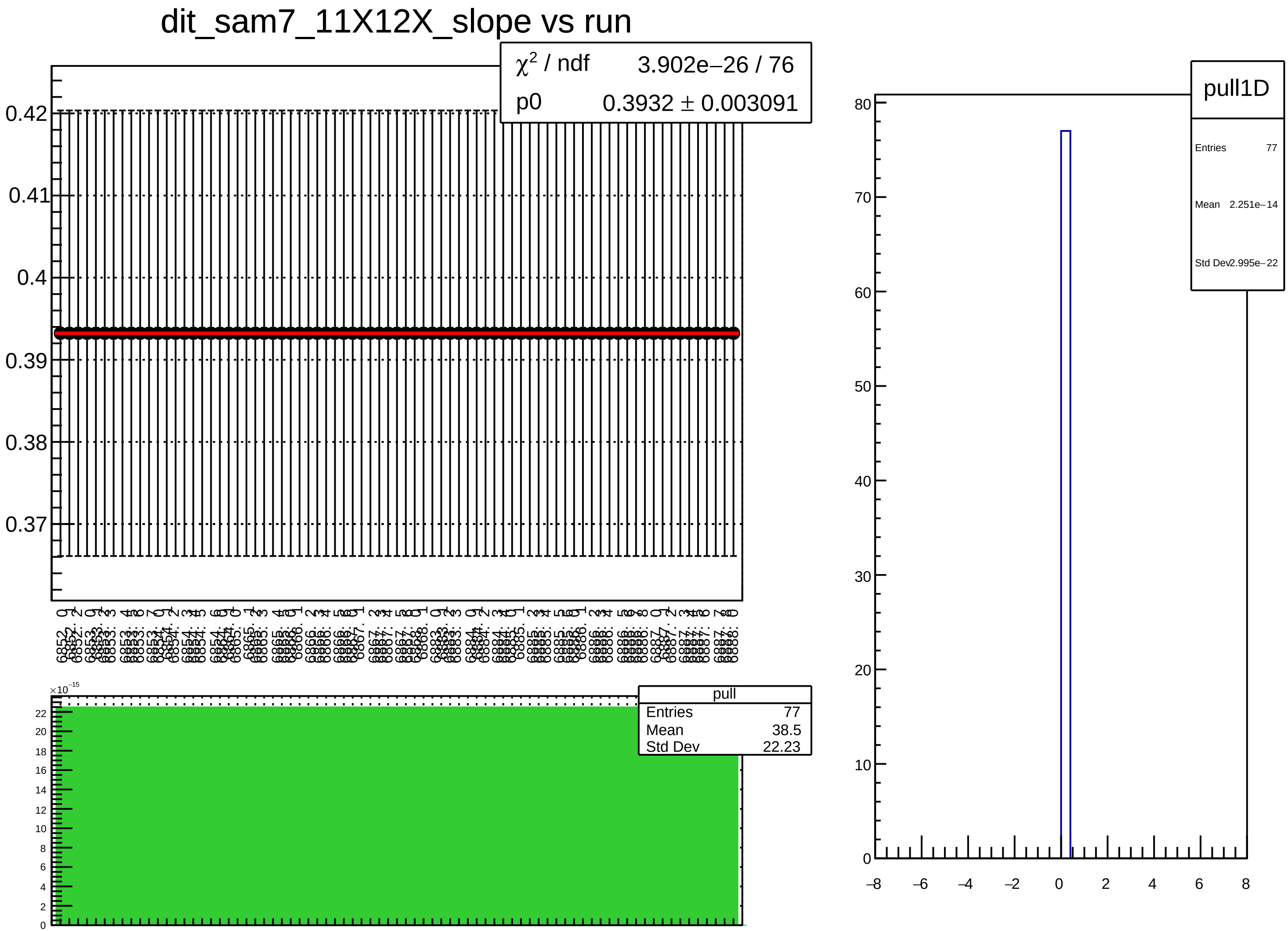
dit_sam6_4eY_slope vs run
χ2 / ndf 2.23e−24 / 76
p0 94.31 ± 0.0571
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.702e−13
Std Dev1.124e−20



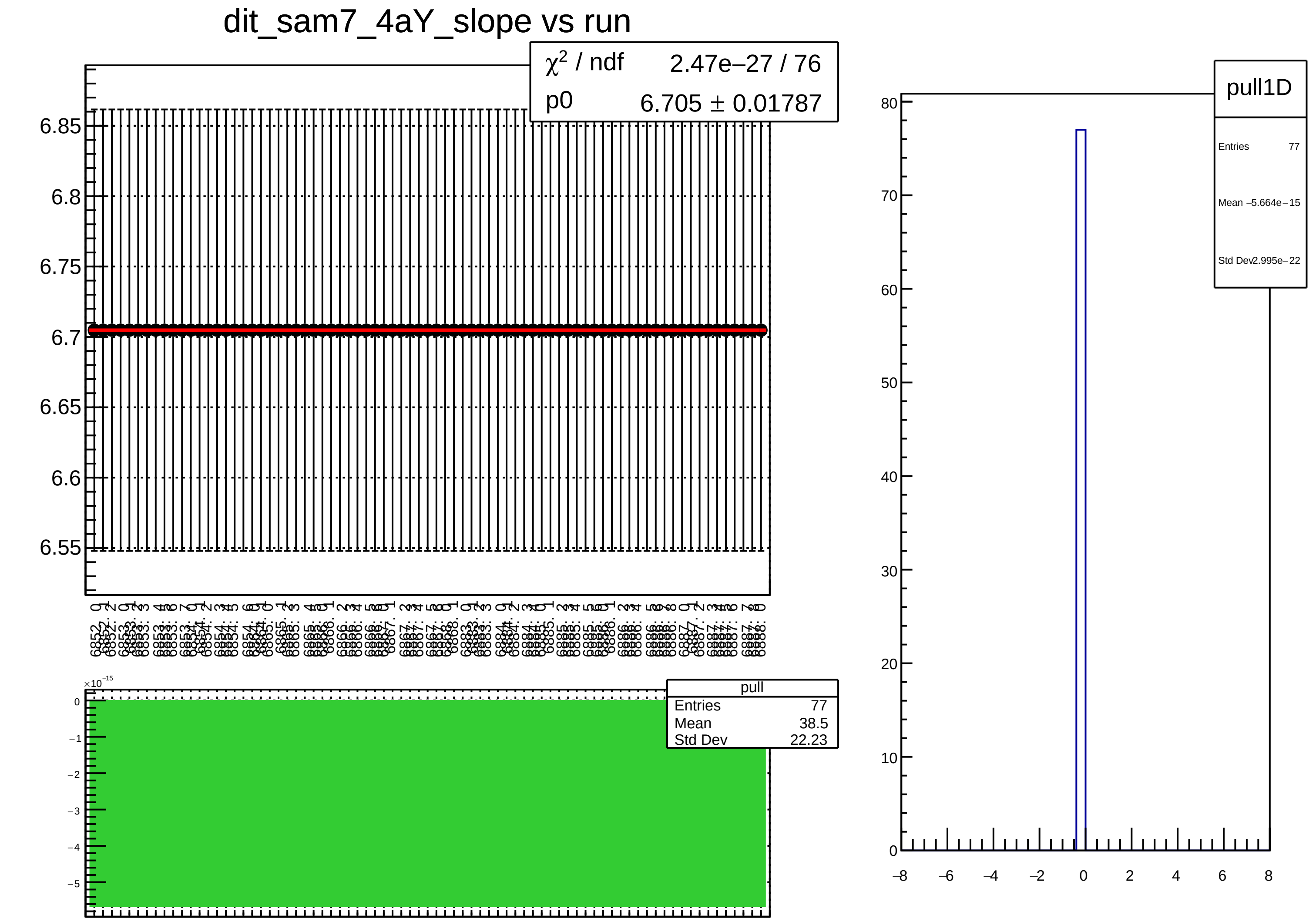
dit_sam7_4aX_slope vs run
χ2 / ndf 3.075e−25 / 76
p0 39.17 ± 0.1025
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 6.319e−14
Std Dev 2.396e−21



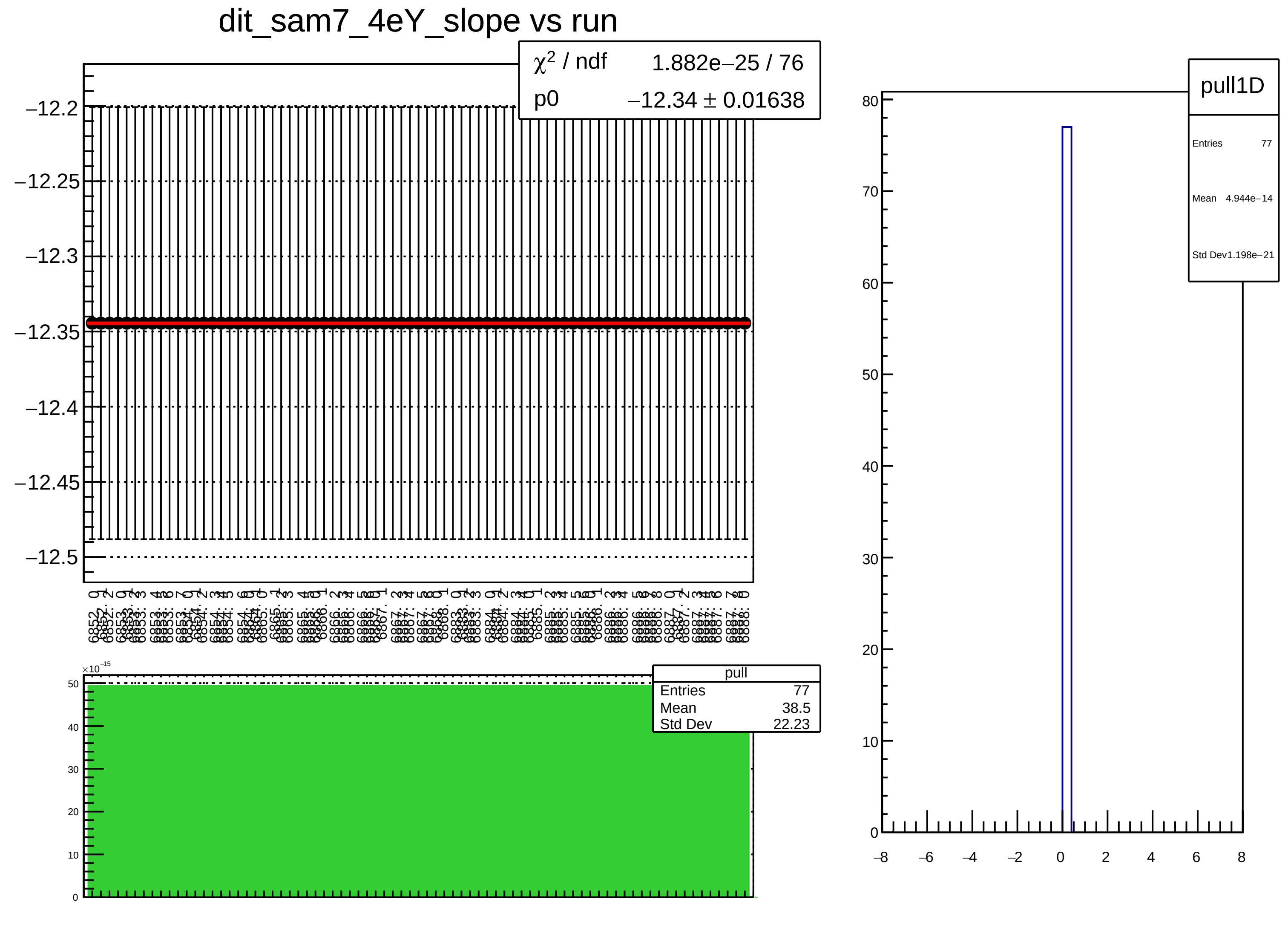
dit_sam7_4eX_slope vs run
$\chi^2$ / ndf 7.584e−25 / 76
p0 −77.6 ± 0.09791
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −9.925e−14
Std Dev 4.792e−21



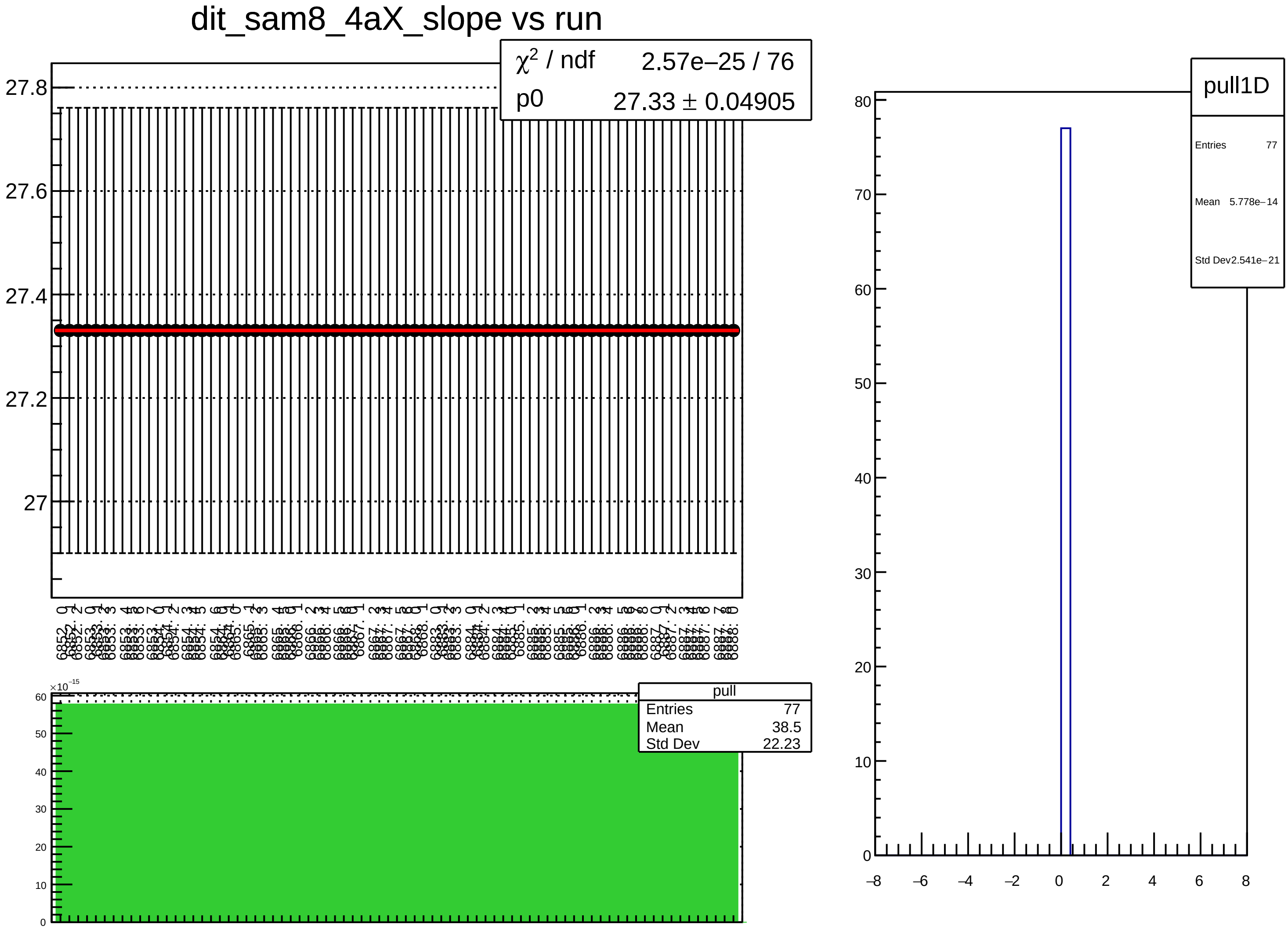
dit_sam7_11X12X_slope vs run
χ2 / ndf 3.902e−26 / 76
p0 0.3932 ± 0.003091
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 2.251e−14
Std Dev 2.995e−22

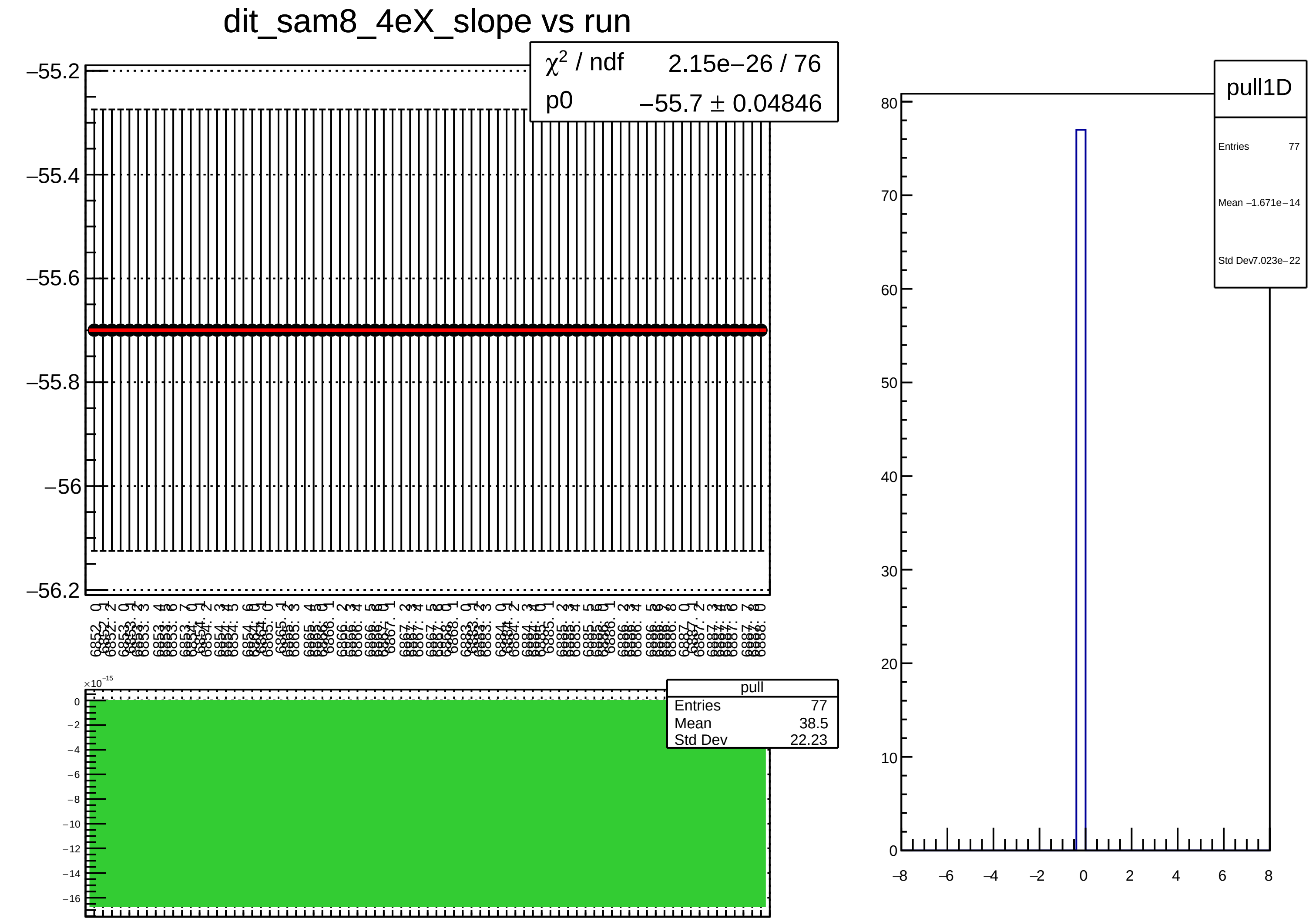


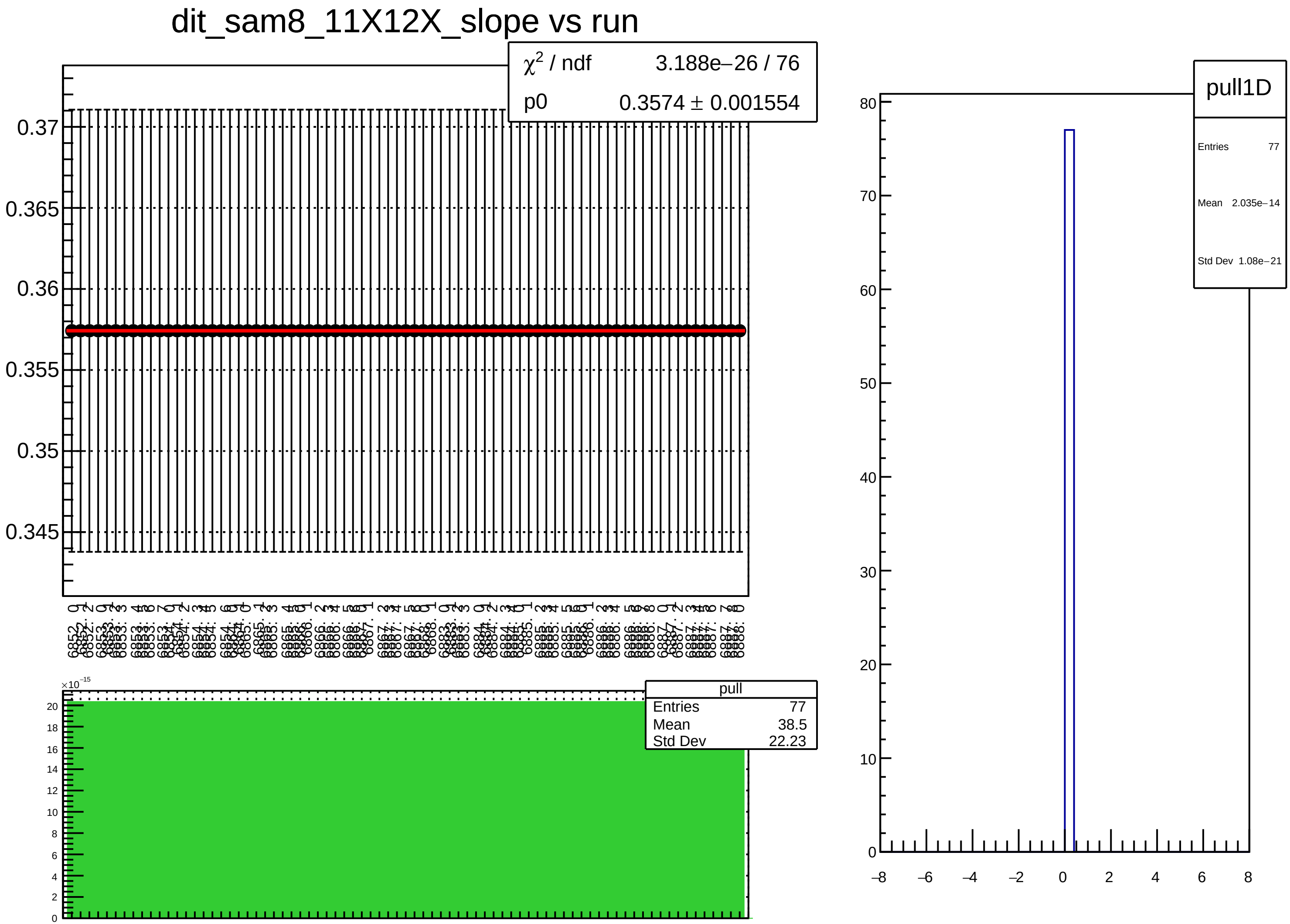
dit_sam7_4aY_slope vs run
χ2 / ndf 2.47e−27 / 76
p0 6.705 ± 0.01787
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −5.664e−15
Std Dev 2.995e−22

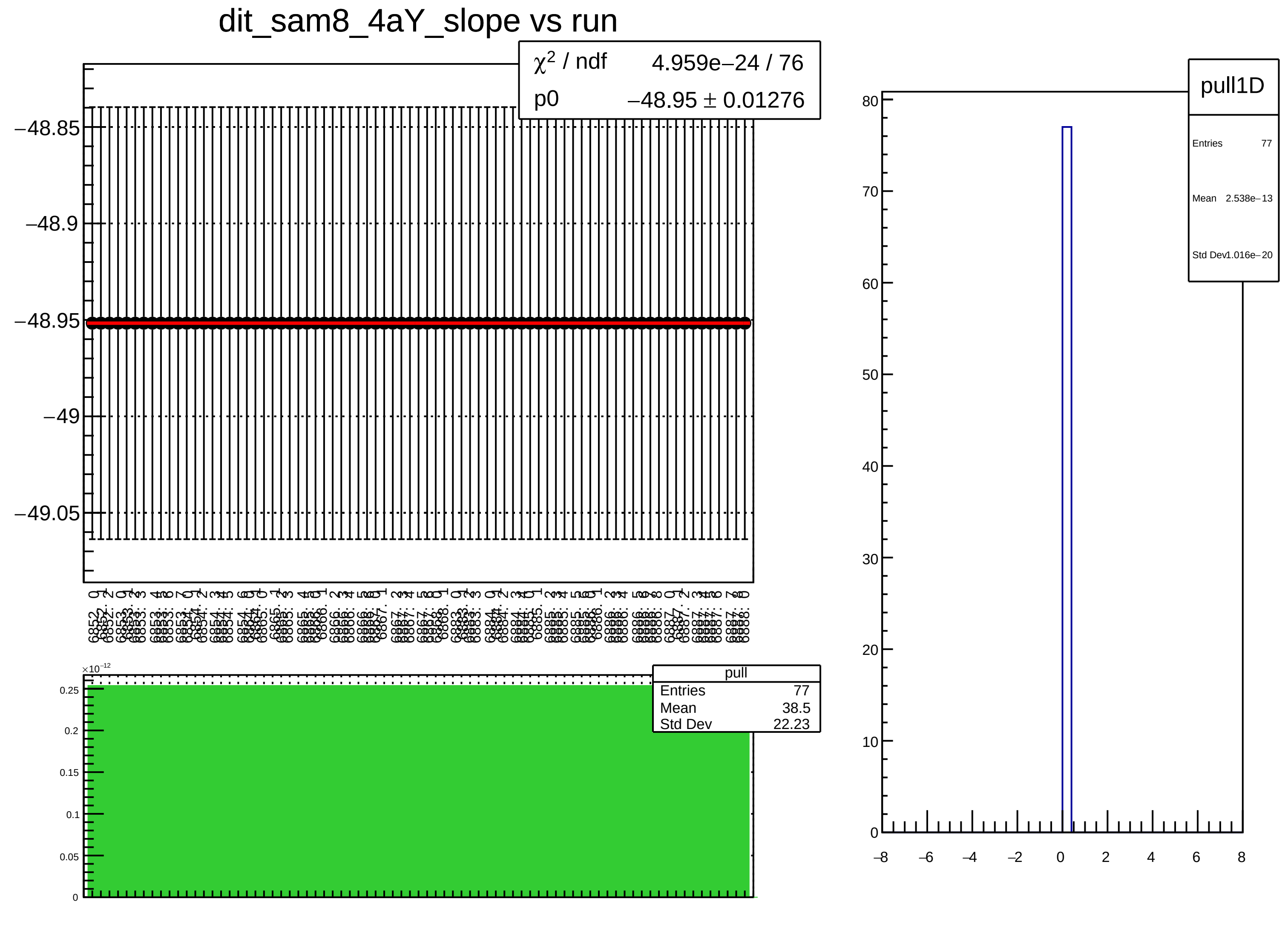


dit_sam7_4eY_slope vs run
χ2 / ndf 1.882e−25 / 76
p0 −12.34 ± 0.01638
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 4.944e−14
Std Dev 1.198e−21

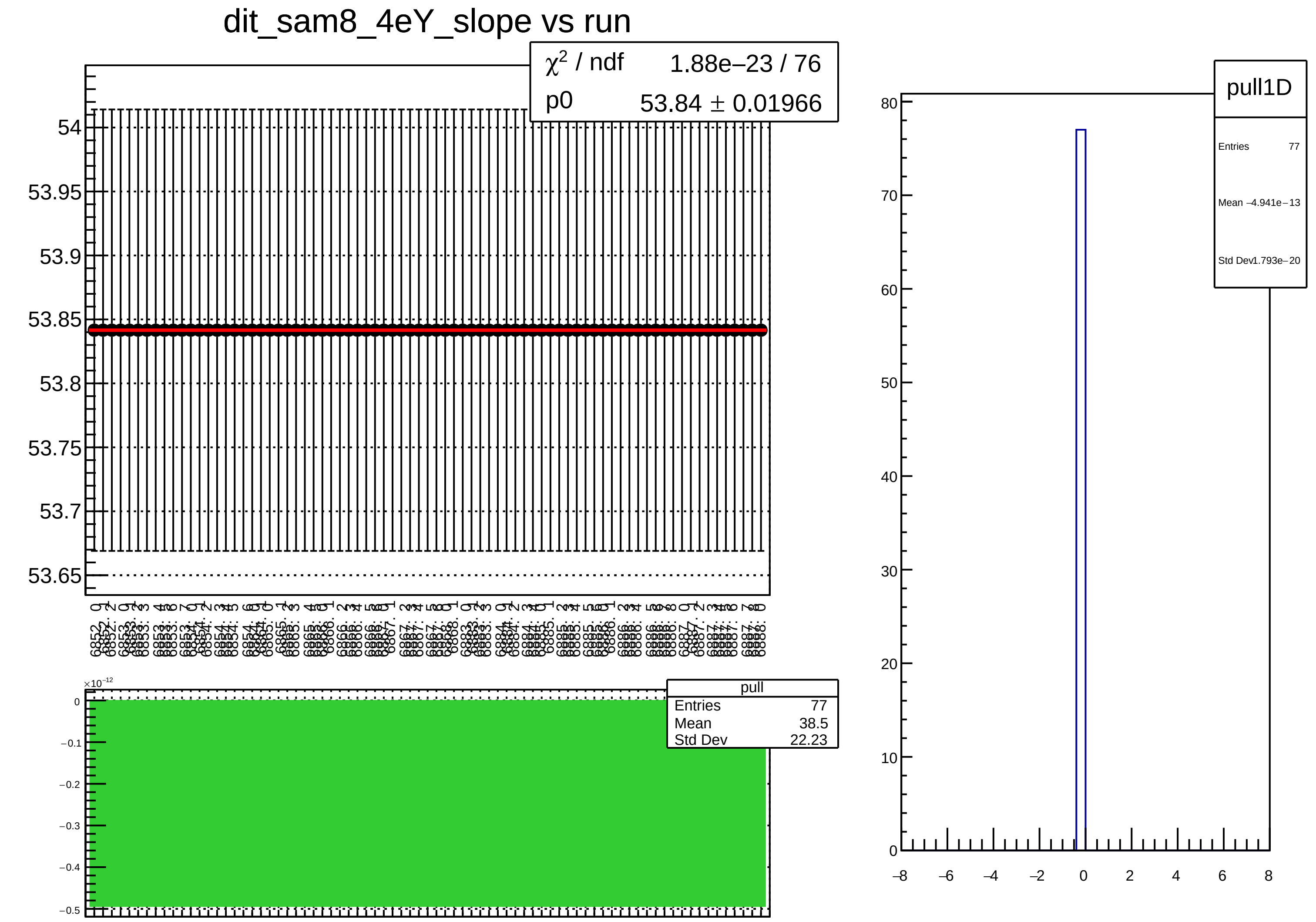

dit_sam8_4aX_slope vs run
χ2 / ndf 2.57e−25 / 76
p0 27.33 ± 0.04905
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 5.778e−14
Std Dev 2.541e−21


dit_sam8_4eX_slope vs run
χ2 / ndf 2.15e−26 / 76
p0 −55.7 ± 0.04846
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −1.671e−14
Std Dev7.023e−22


dit_sam8_11X12X_slope vs run
$\chi^2$ / ndf 3.188e−26 / 76
p0 0.3574 ± 0.001554
0.37
0.365
0.36
0.355
0.35
0.345
×10^−15
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 2.035e−14
Std Dev 1.08e−21



dit_sam8_4aY_slope vs run
χ2 / ndf 4.959e−24 / 76
p0 −48.95 ± 0.01276
−48.85
−48.9
−48.95
−49
−49.05
×10−12
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 2.538e−13
Std Dev1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



dit_sam8_4eY_slope vs run
$\chi^2$ / ndf 1.88e−23 / 76
p0 53.84 ± 0.01966
54
53.95
53.9
53.85
53.8
53.75
53.7
53.65
×10$^{-12}$
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean −4.941e−13
Std Dev 1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
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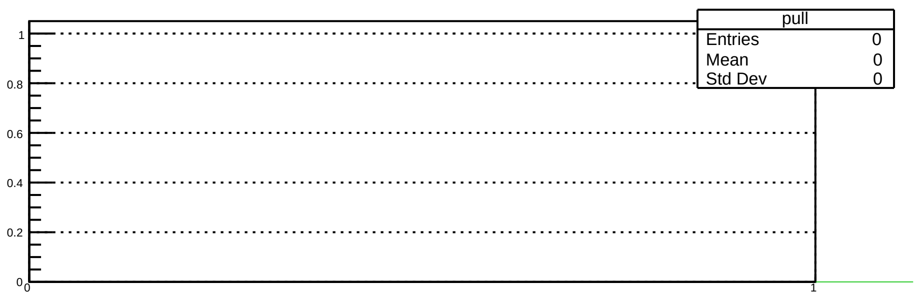
8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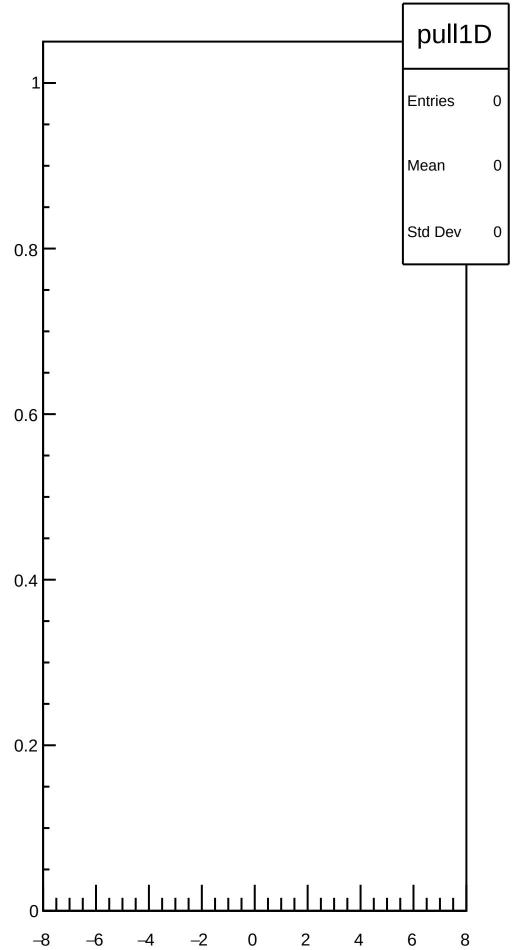
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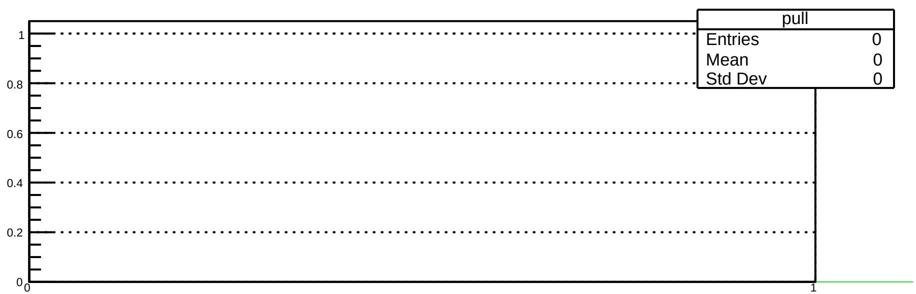
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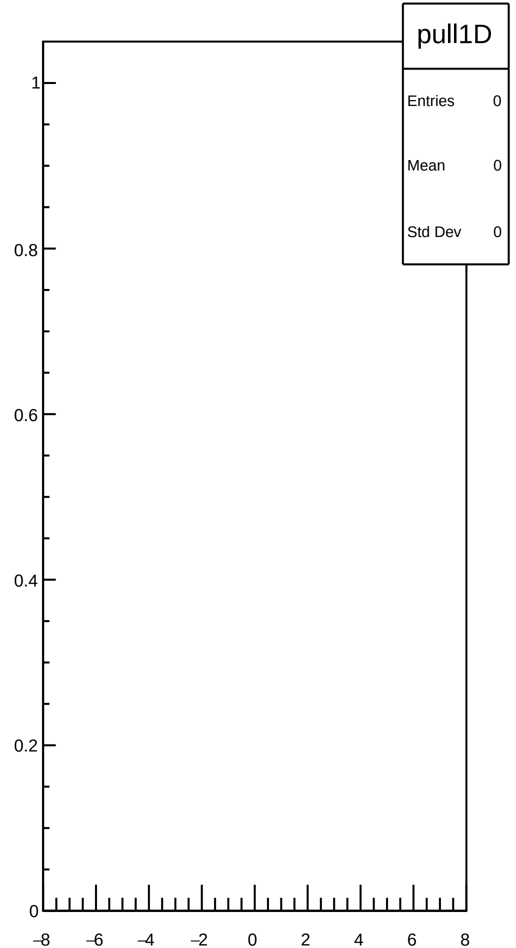
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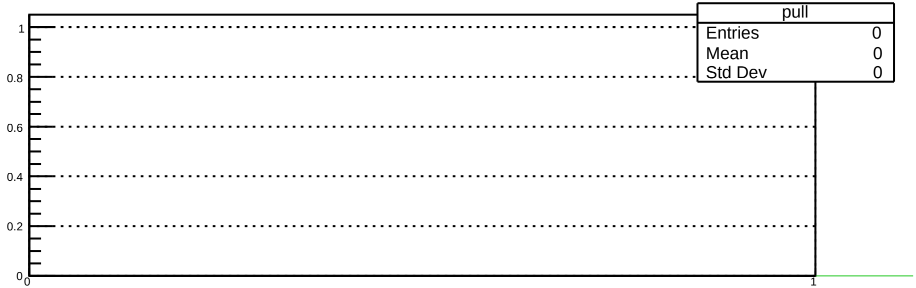
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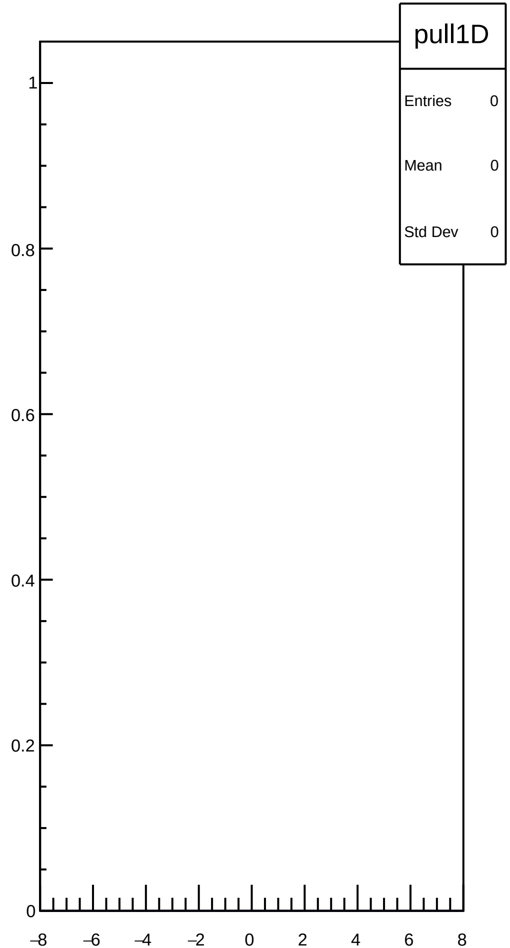
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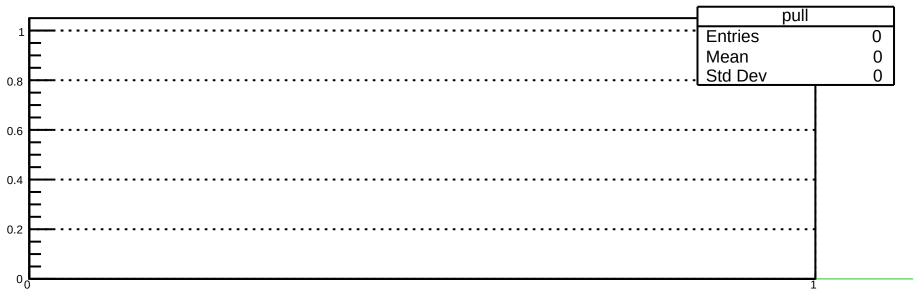
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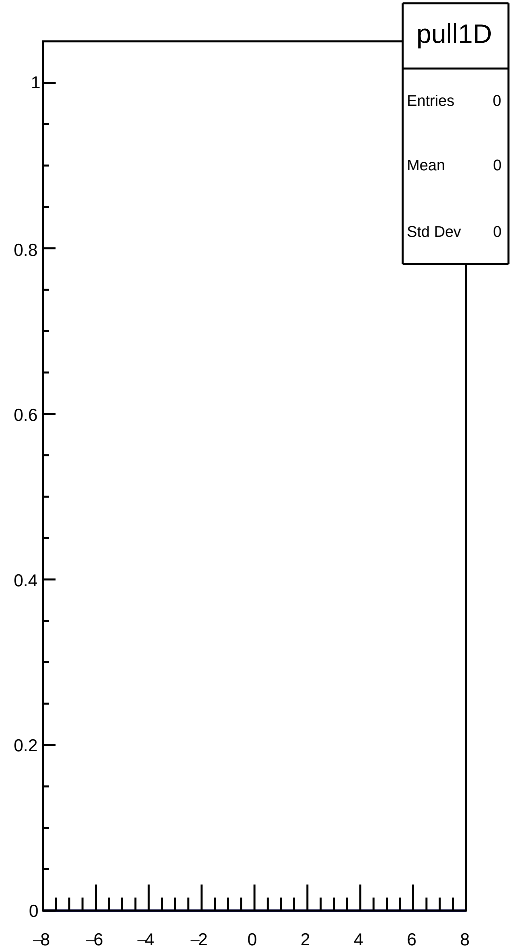
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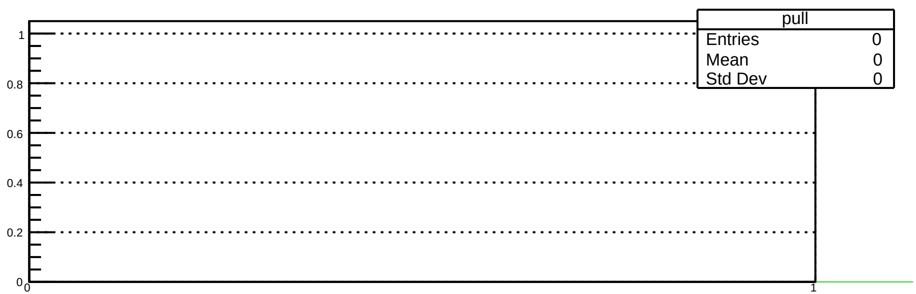
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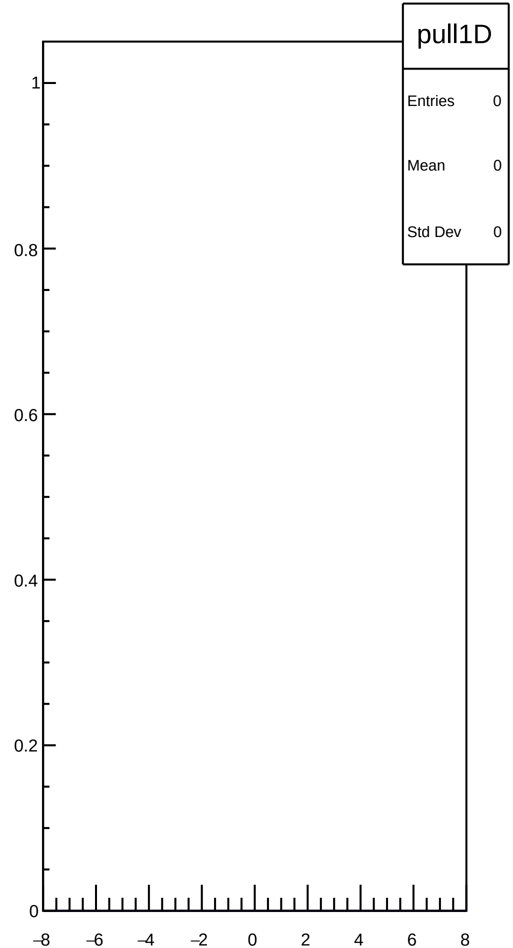
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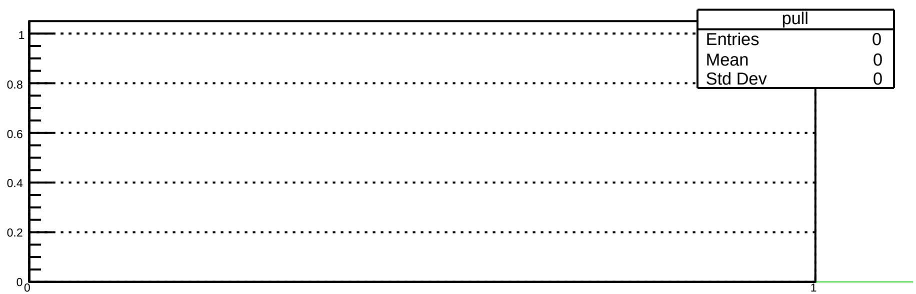

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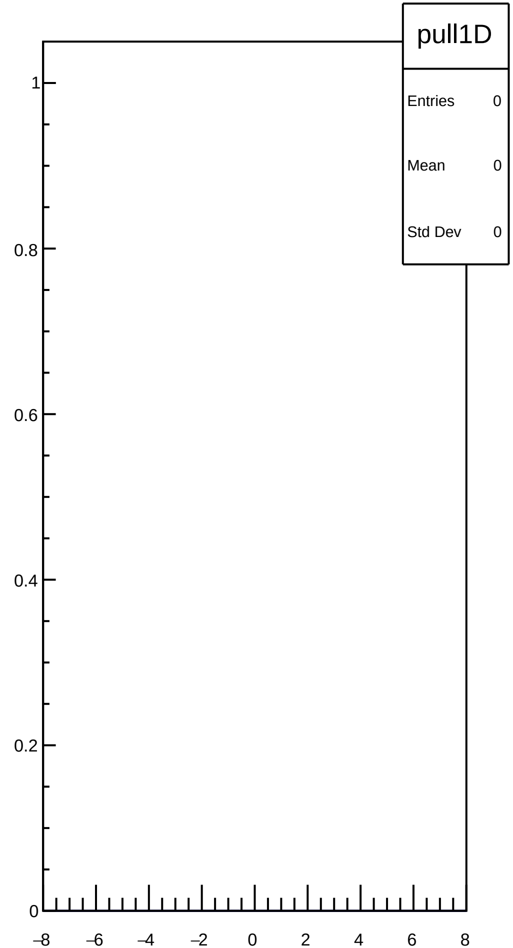

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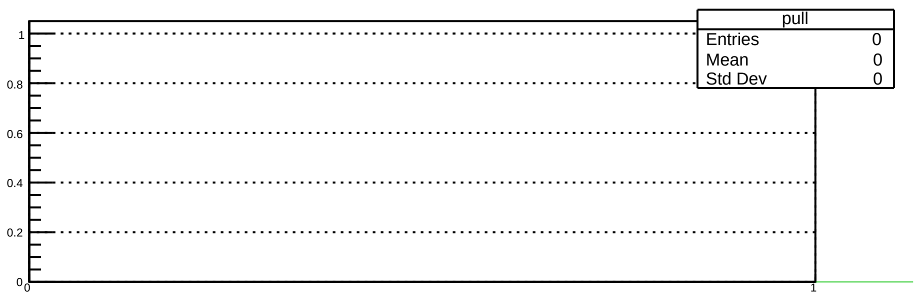
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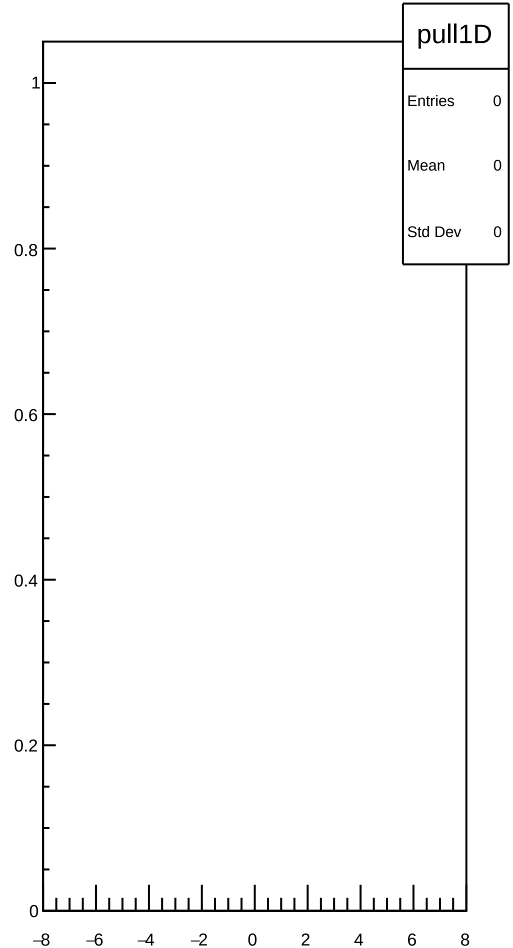
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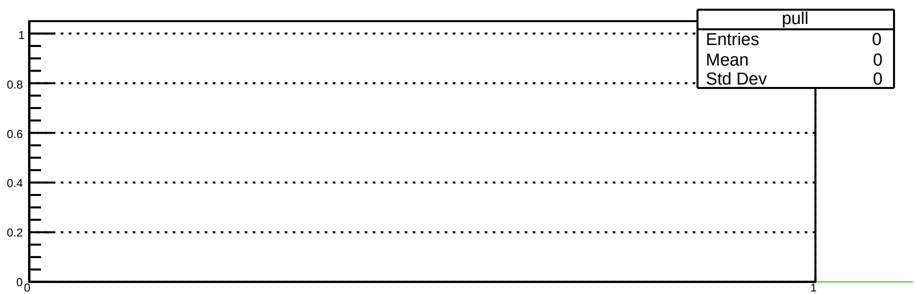
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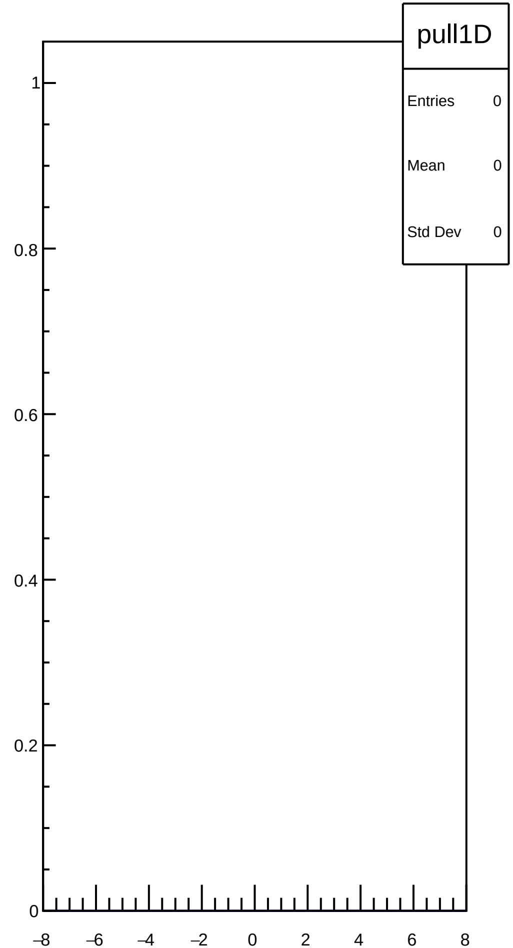
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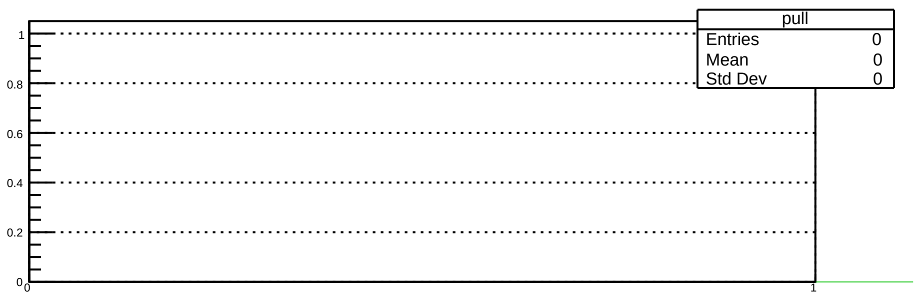
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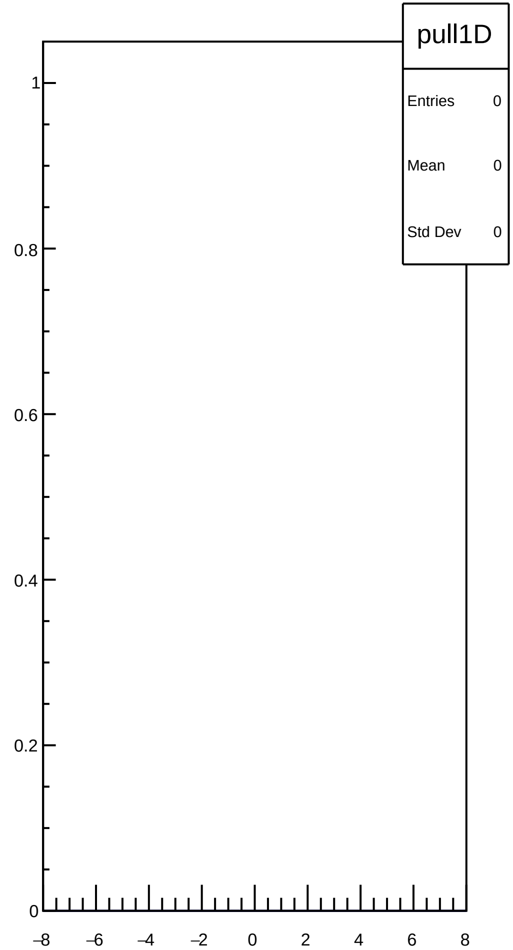
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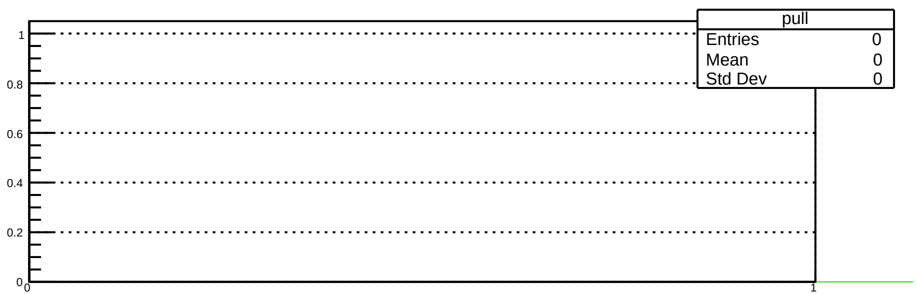
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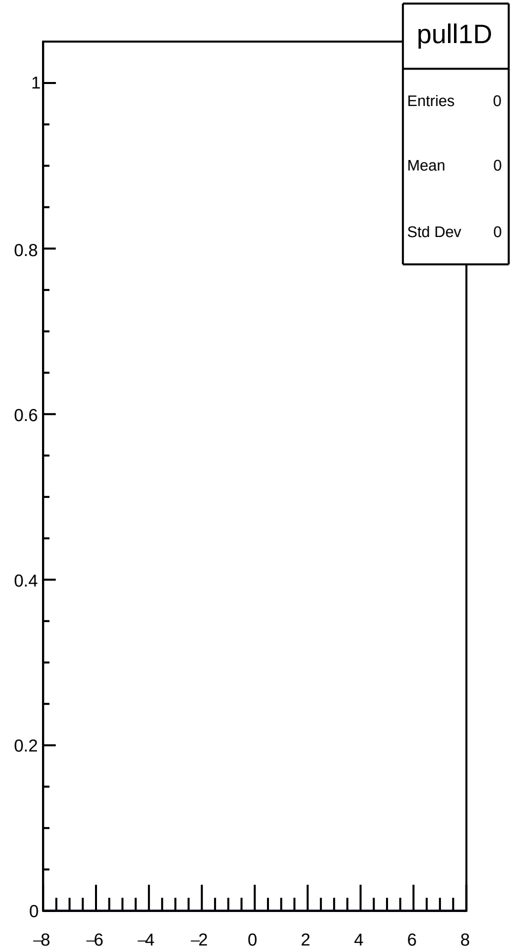
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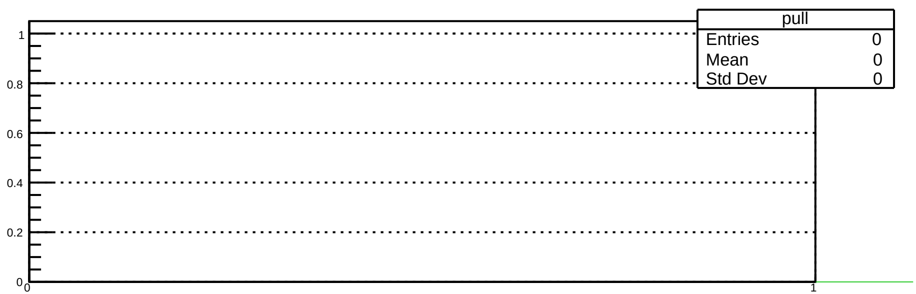

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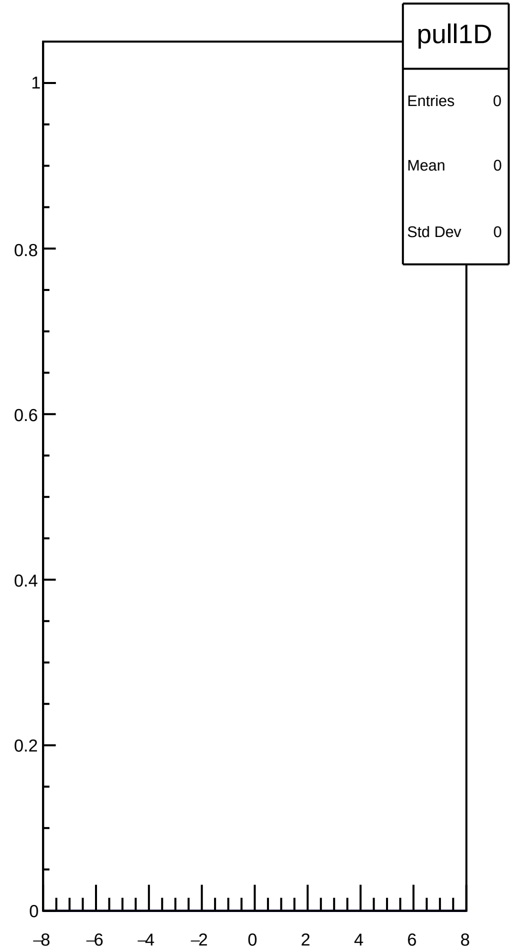

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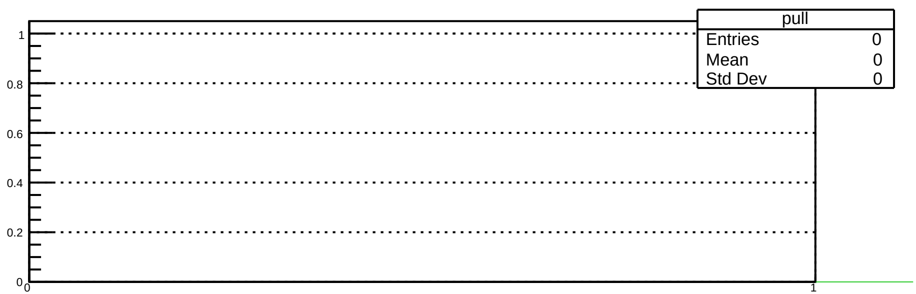
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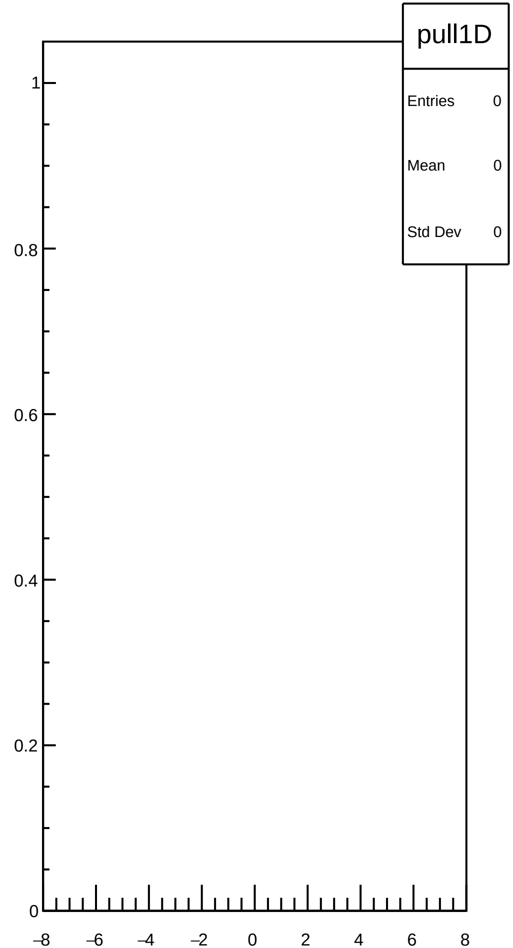
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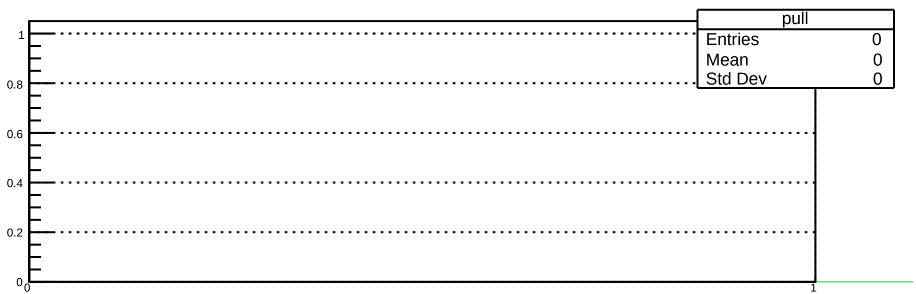
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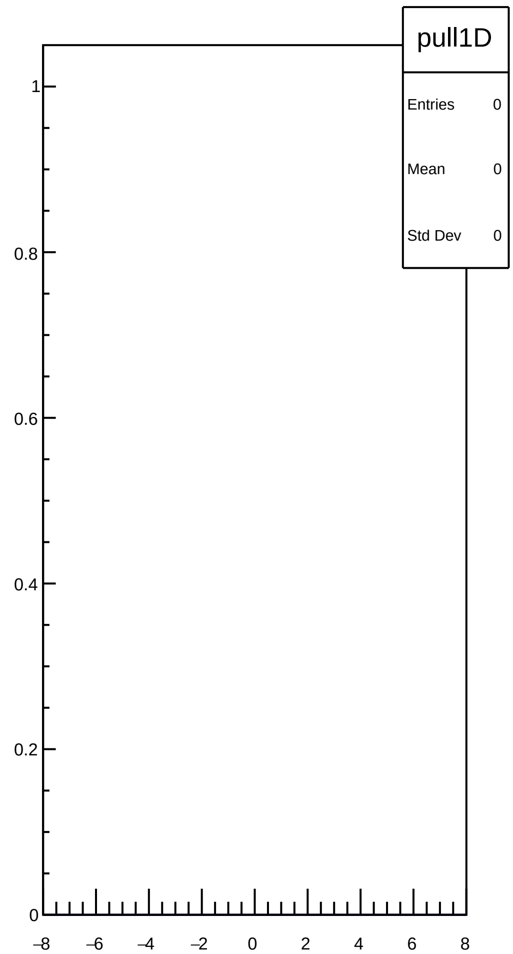
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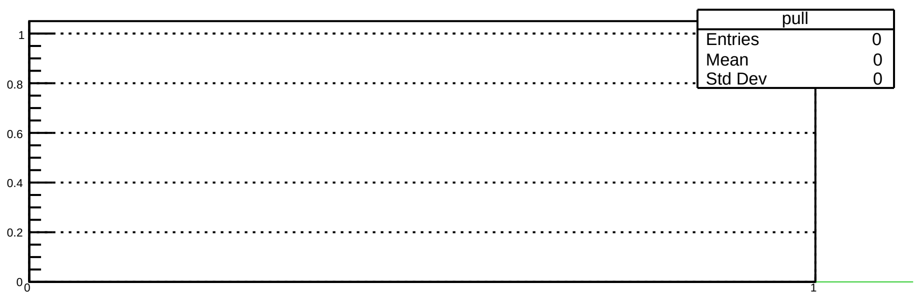
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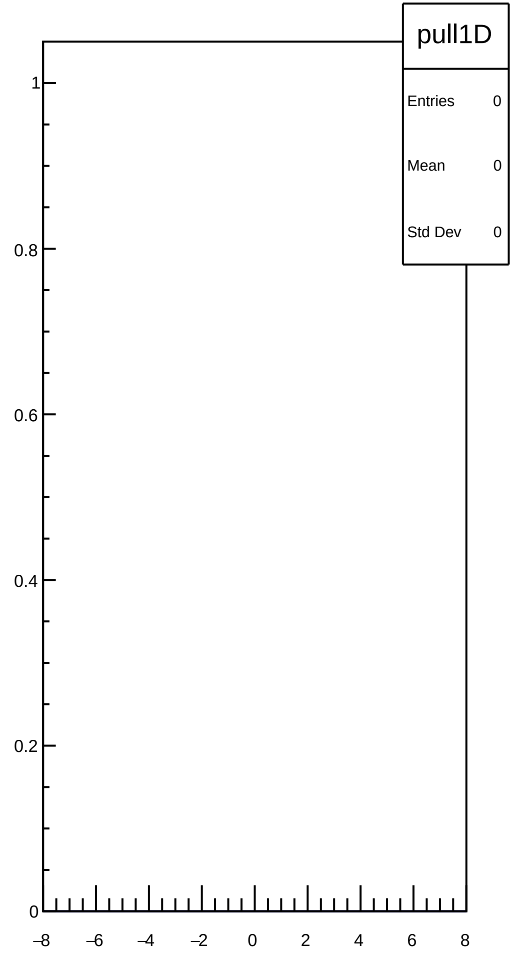
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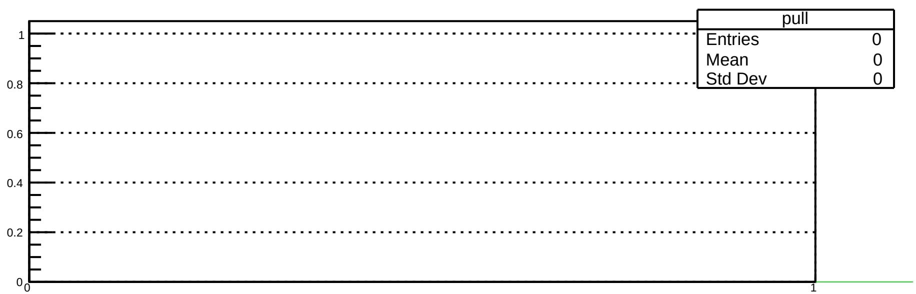

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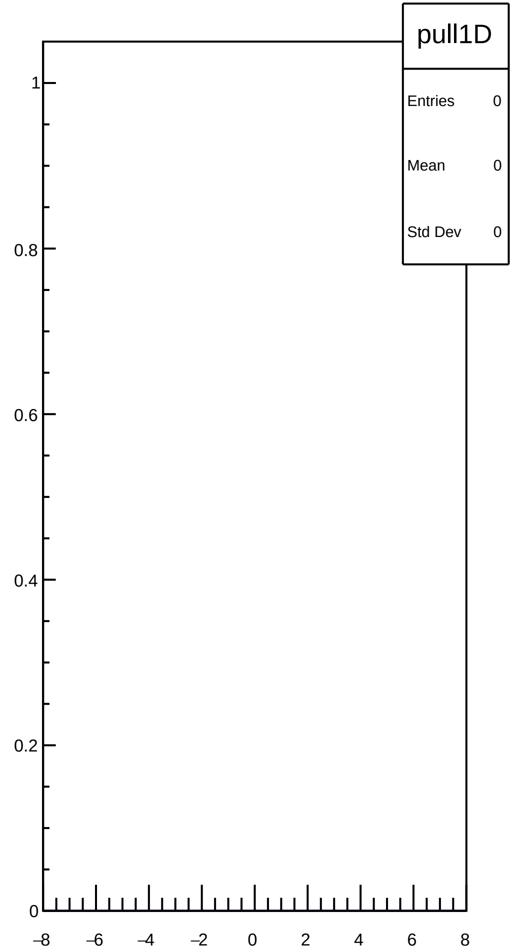

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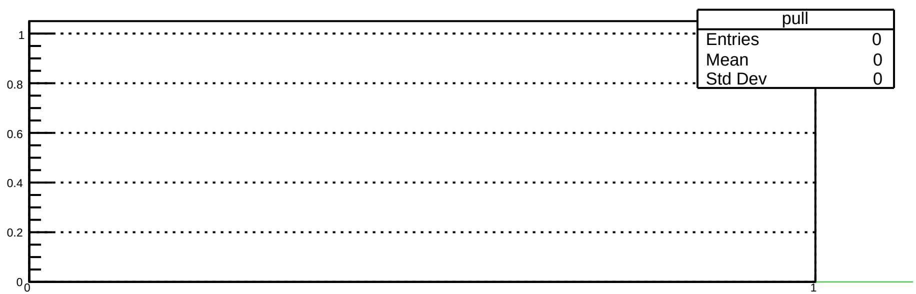
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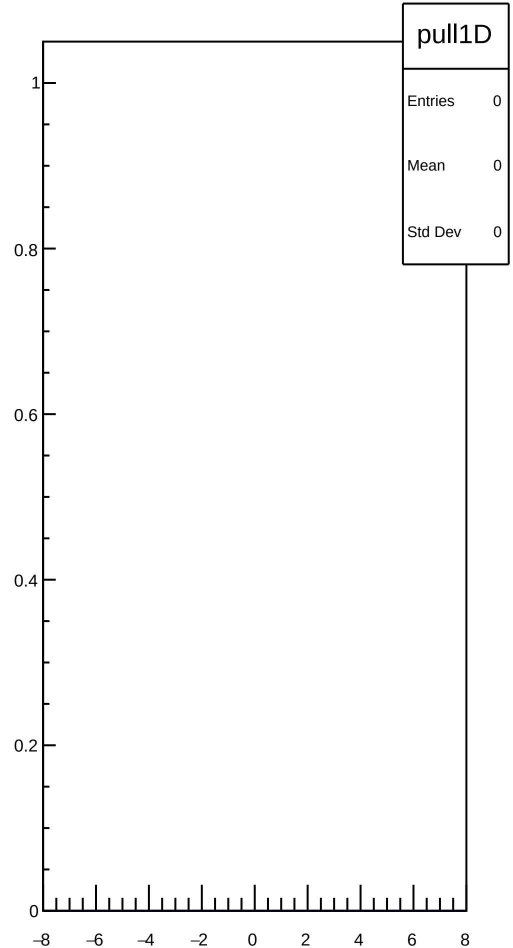
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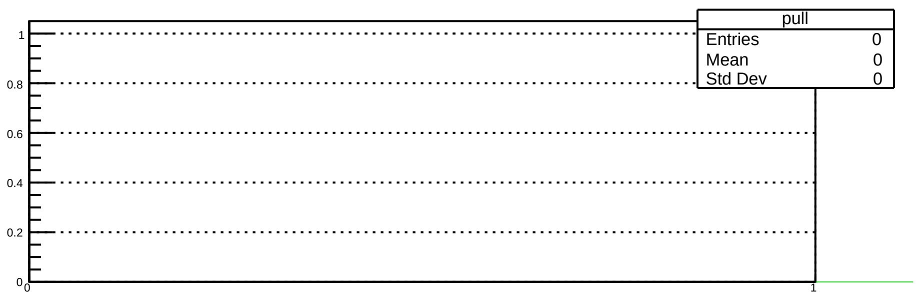
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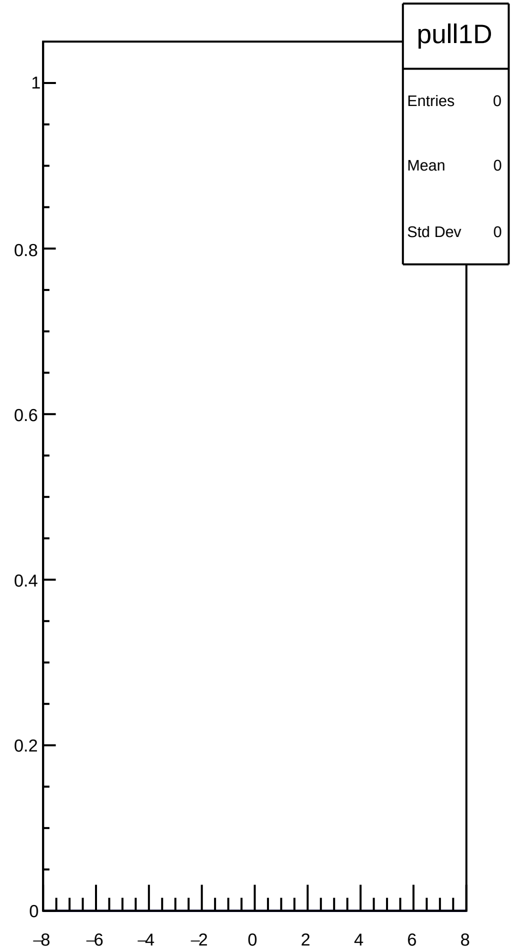
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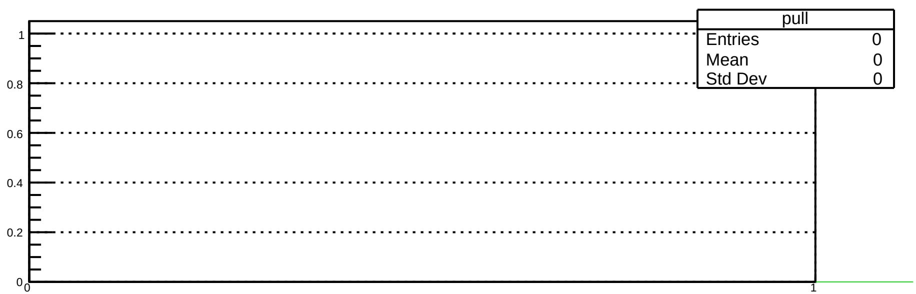
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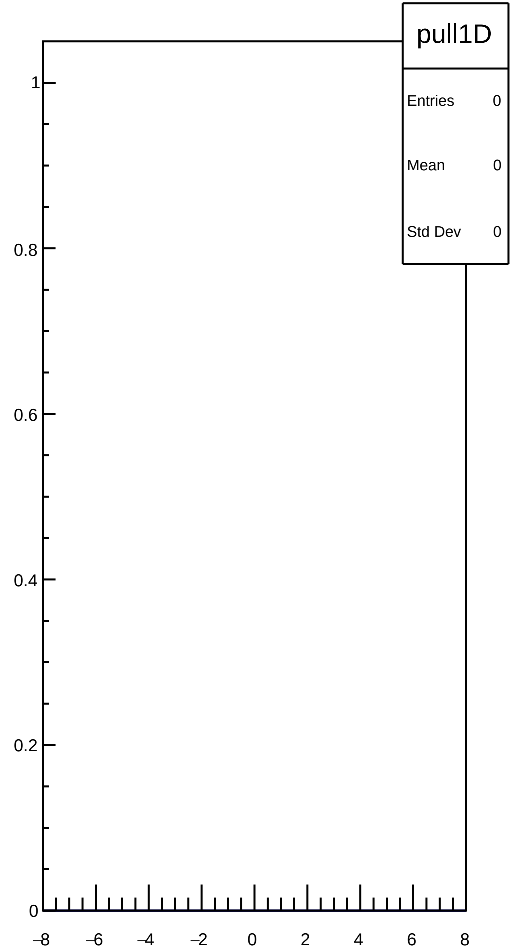
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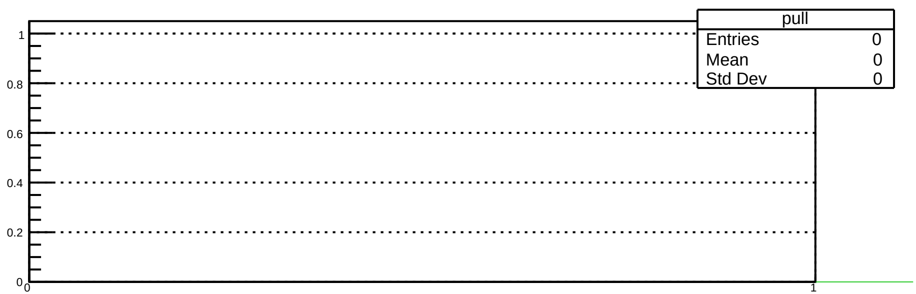
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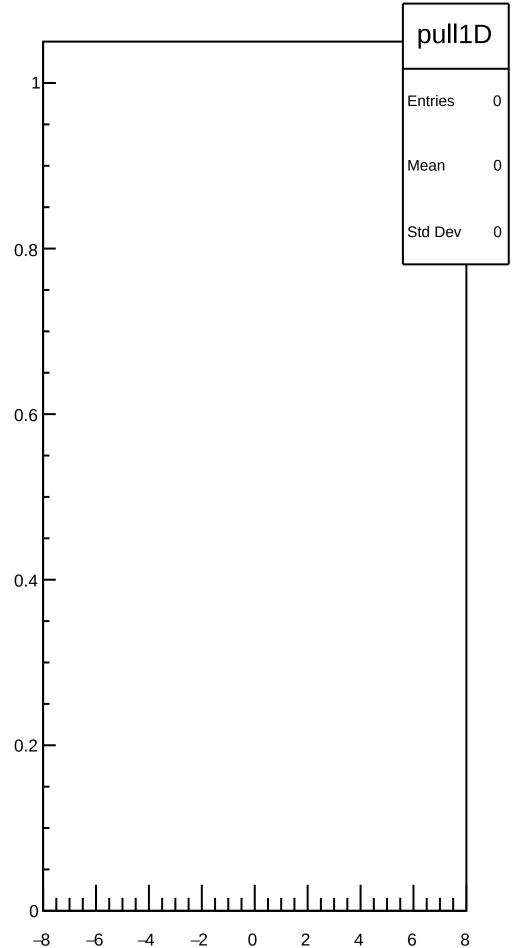
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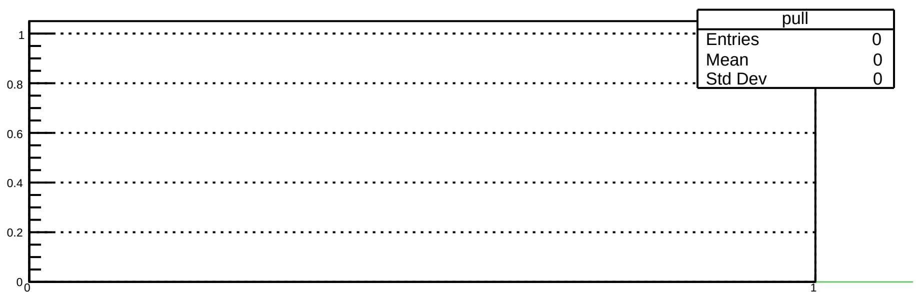

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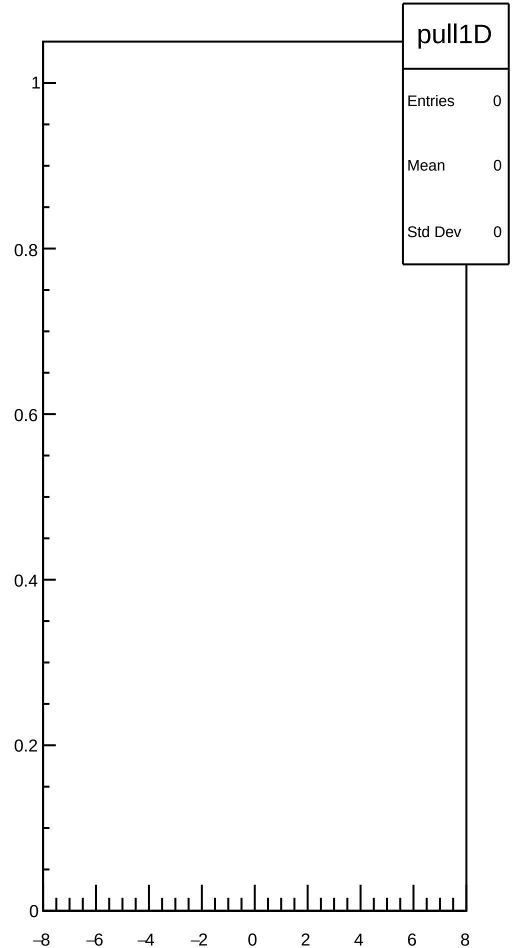

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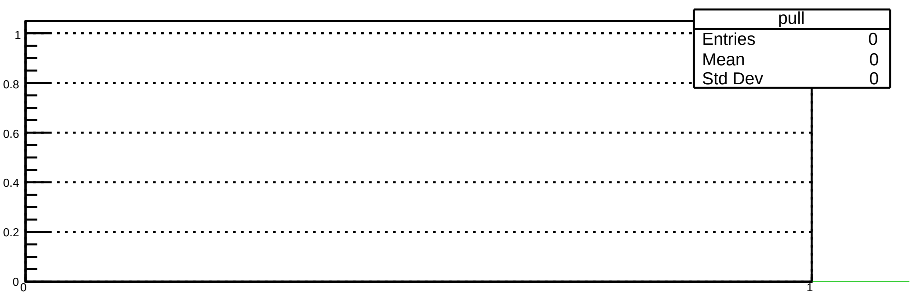
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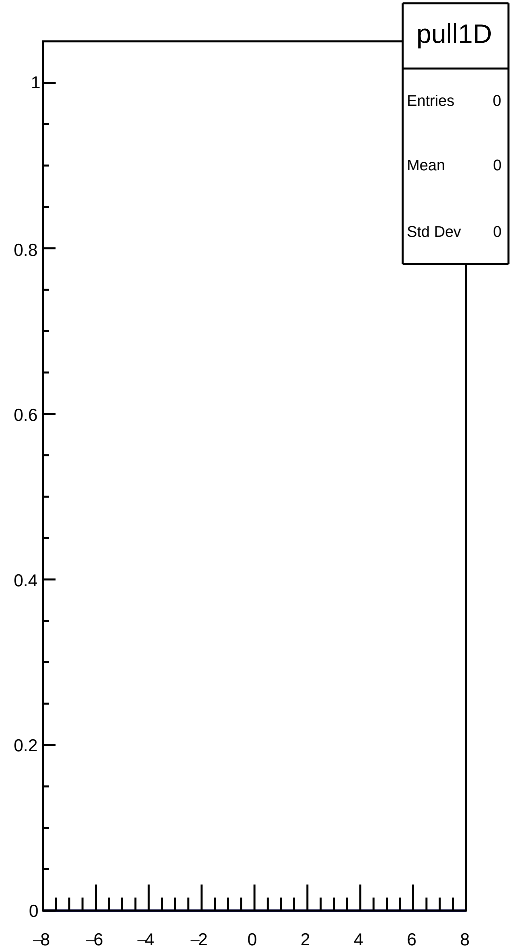
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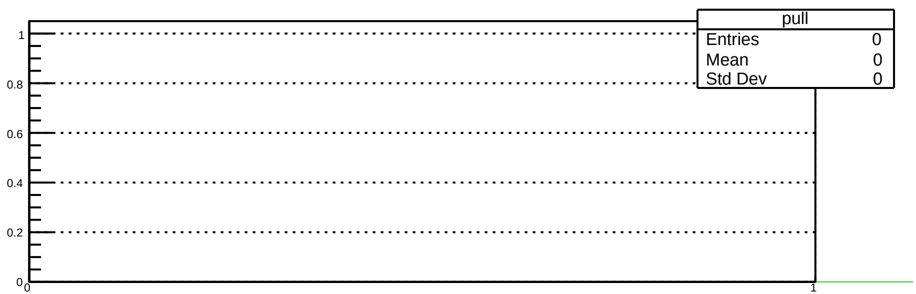

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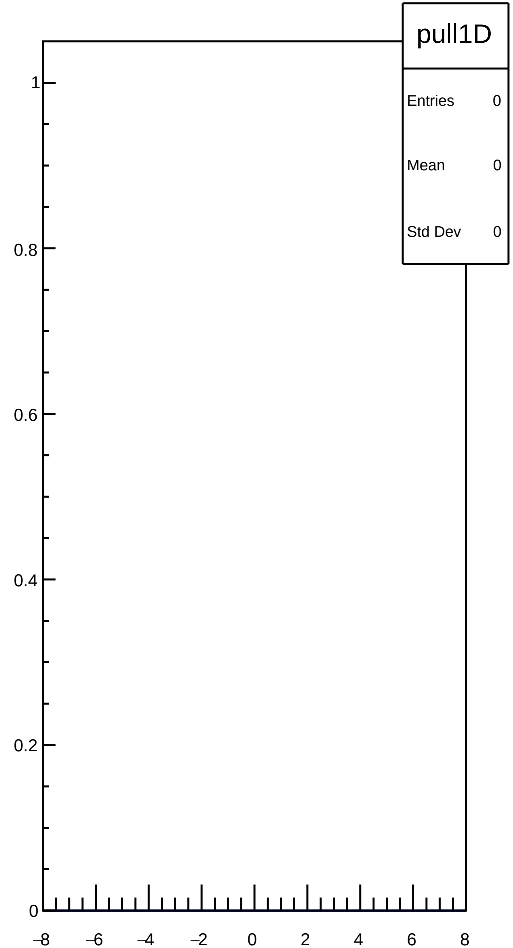

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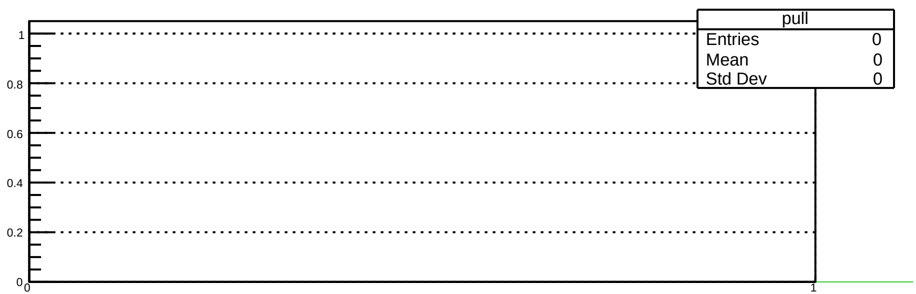
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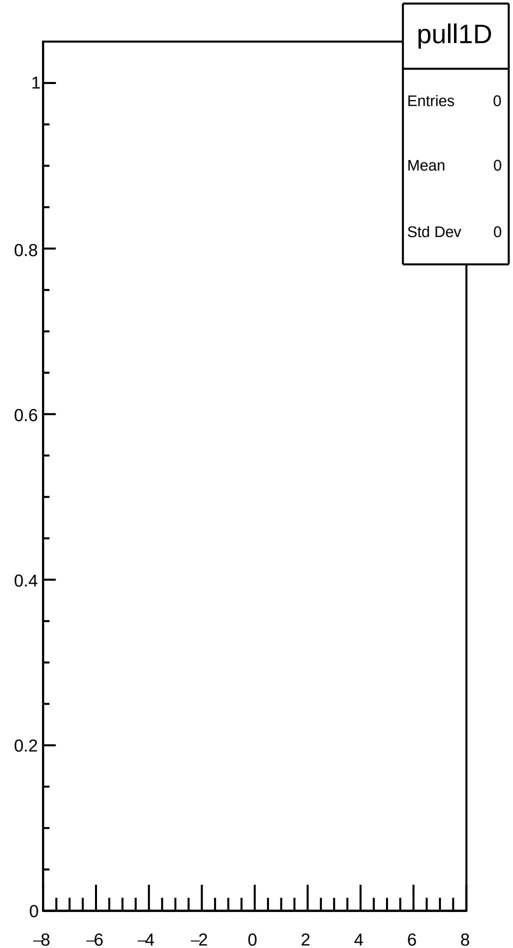
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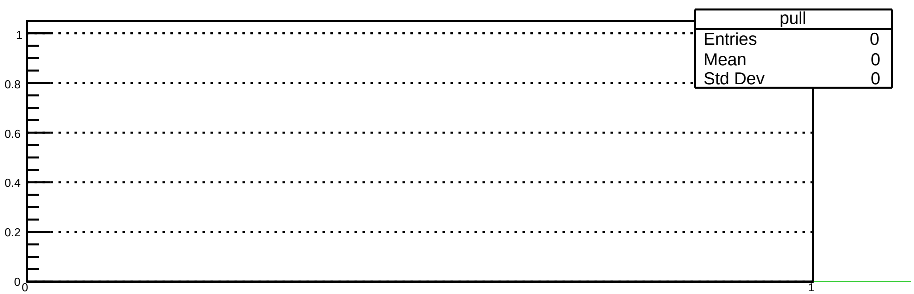
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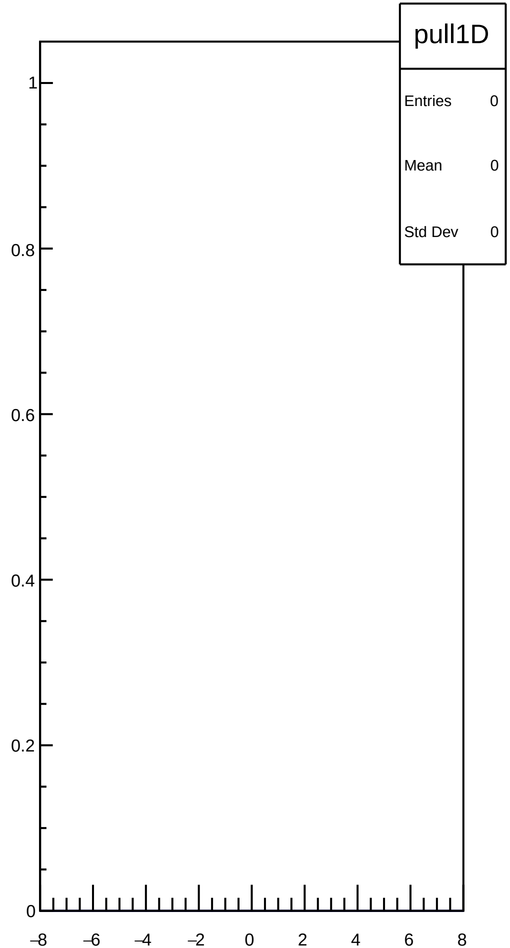
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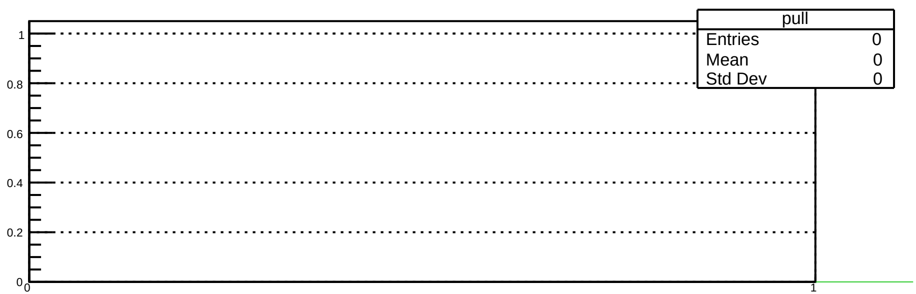
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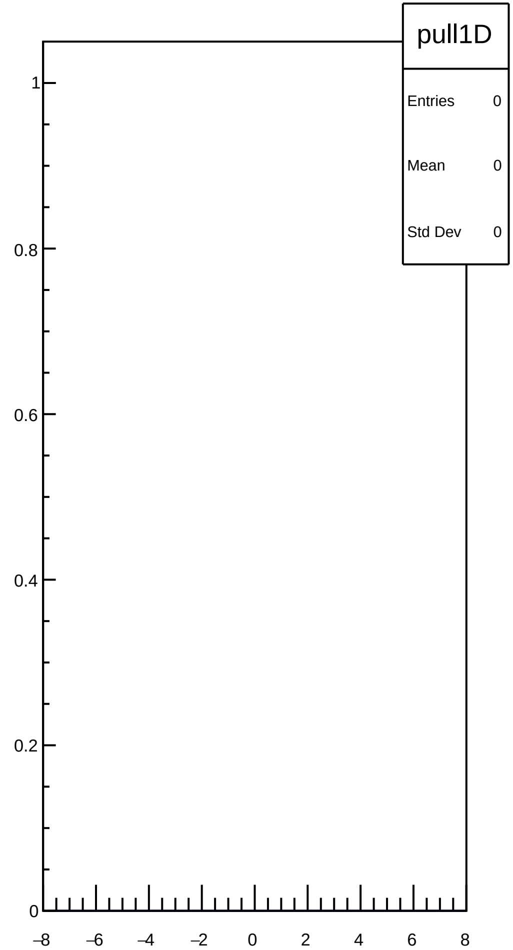
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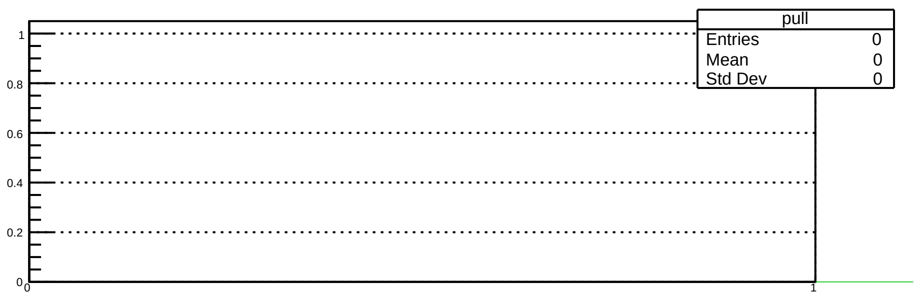

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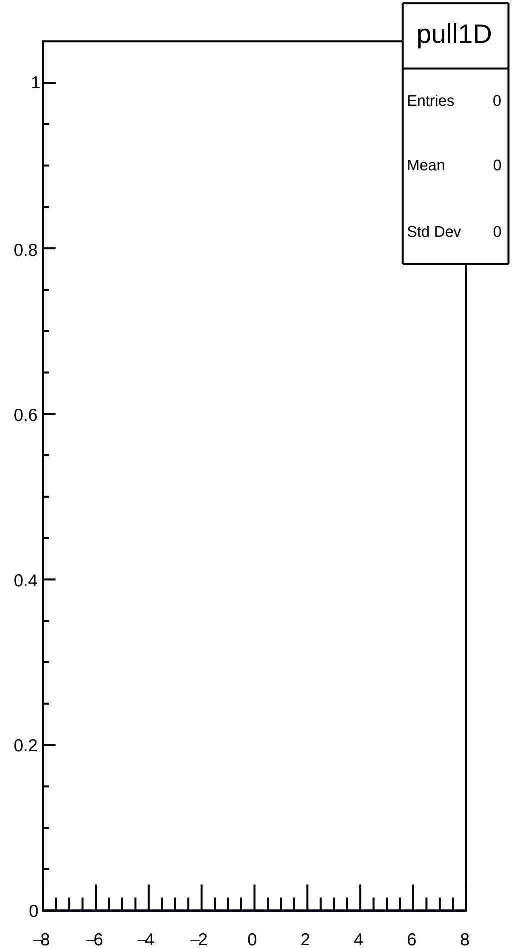

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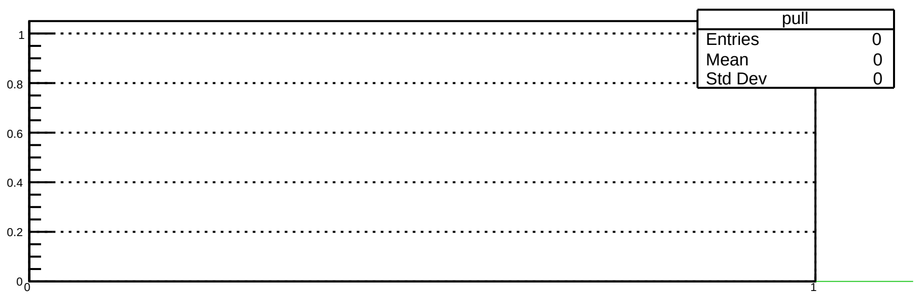
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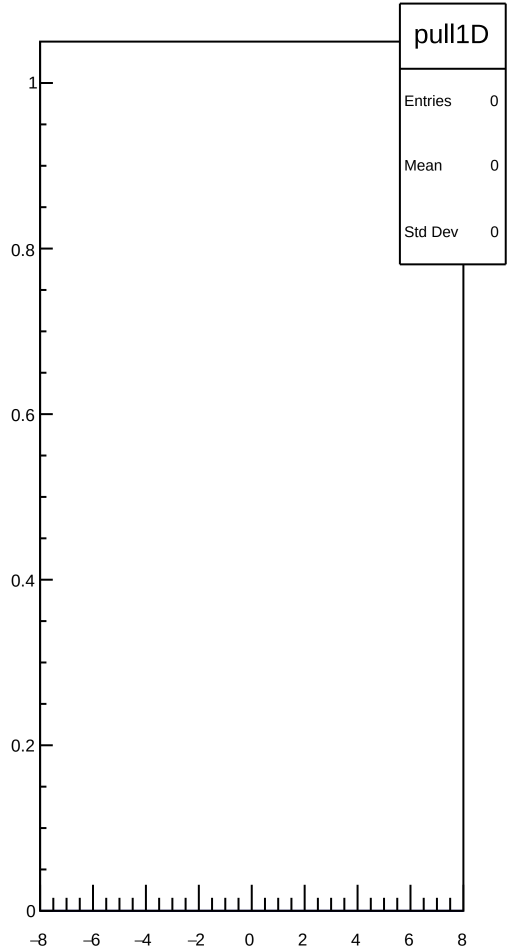
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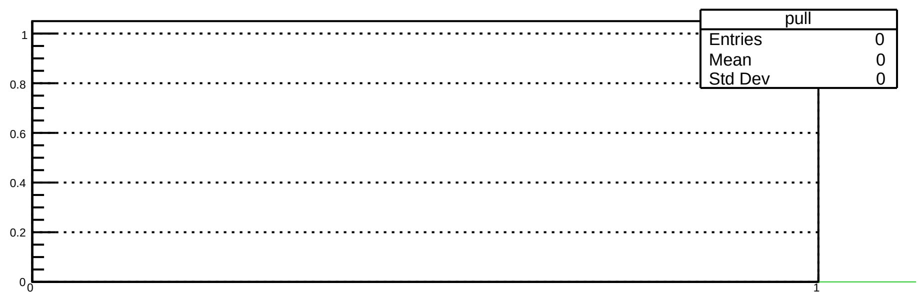
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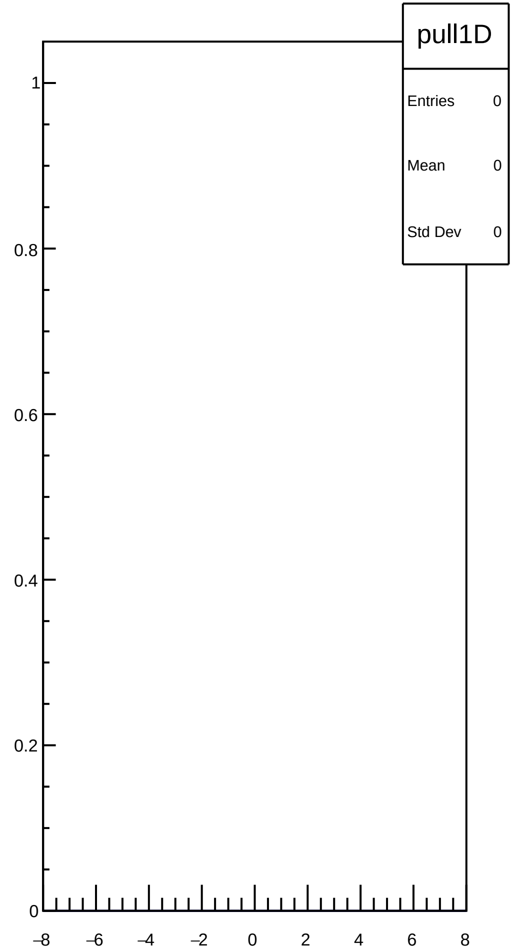
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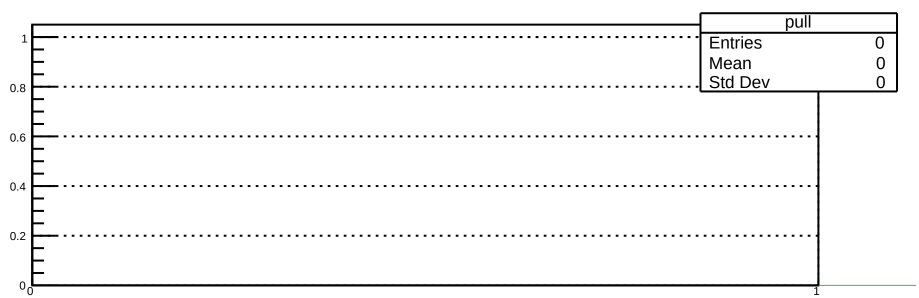
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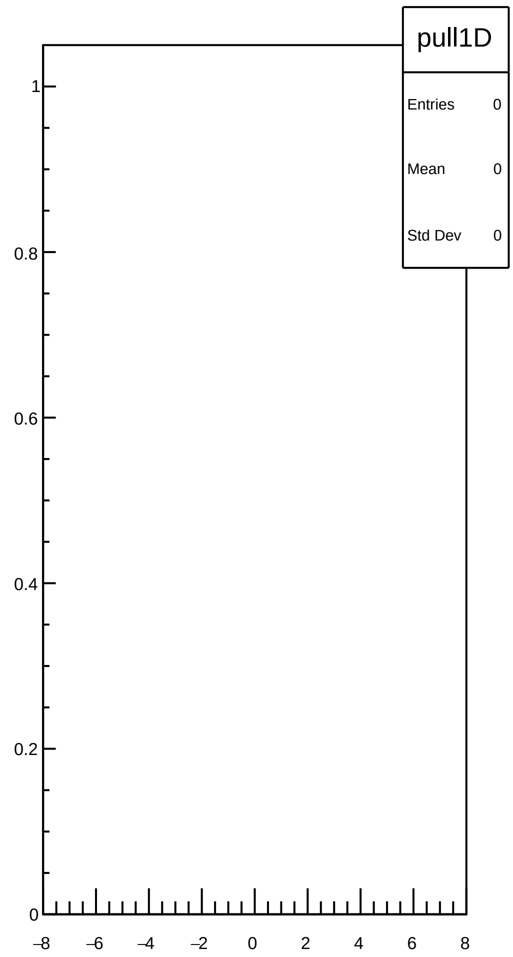
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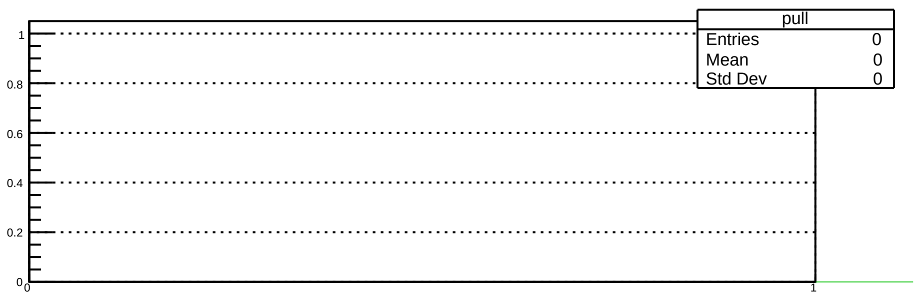
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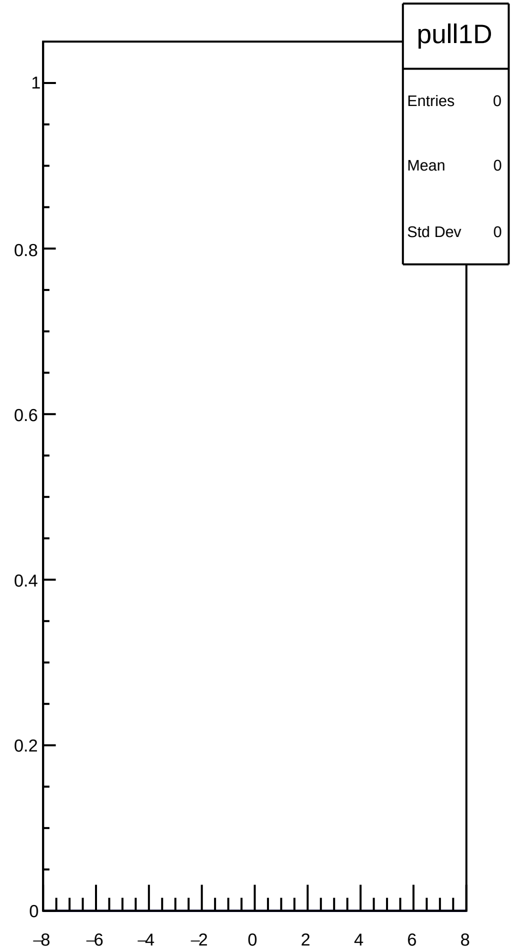
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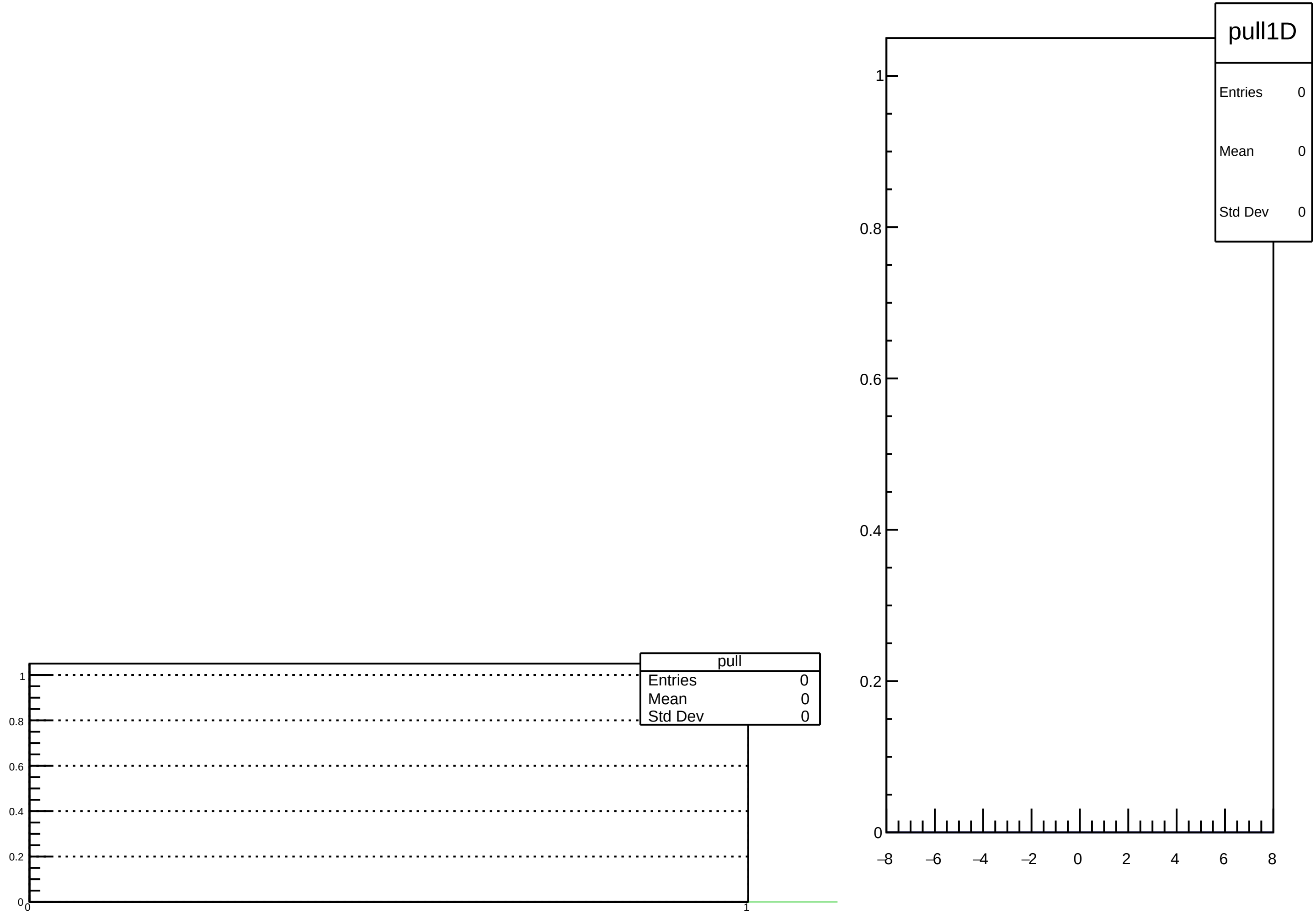
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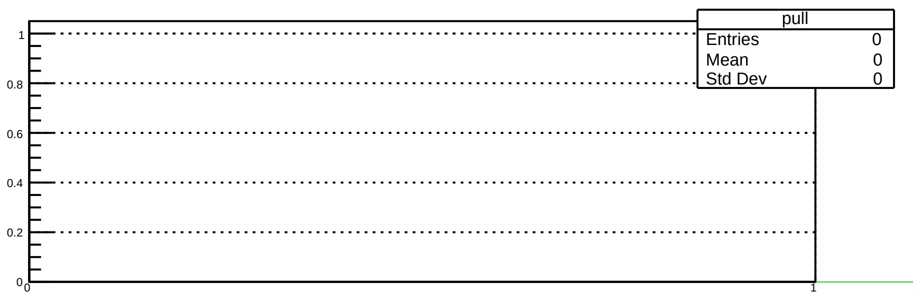
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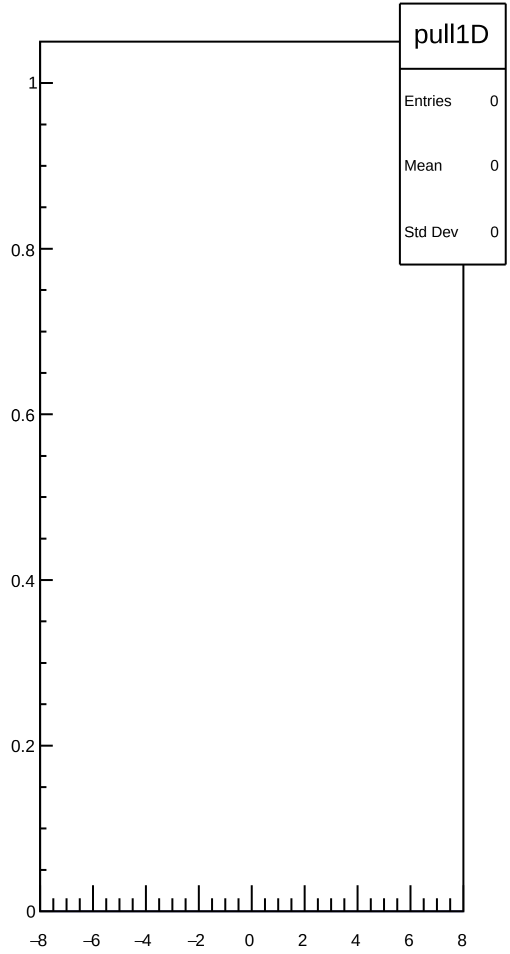
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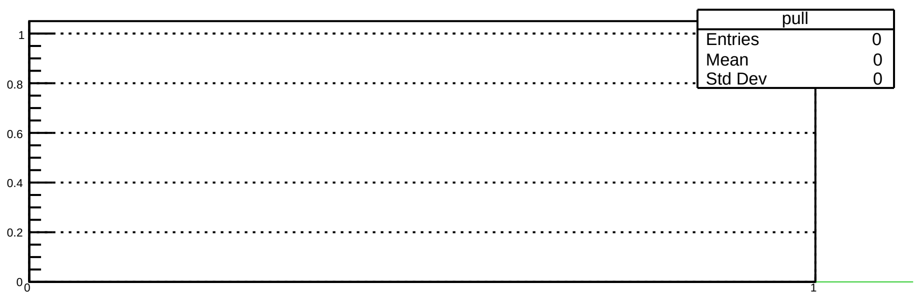

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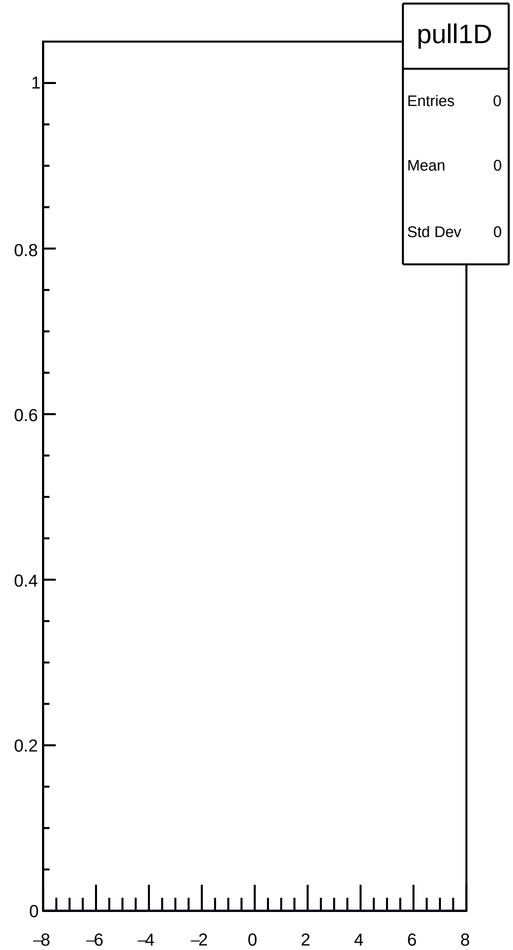

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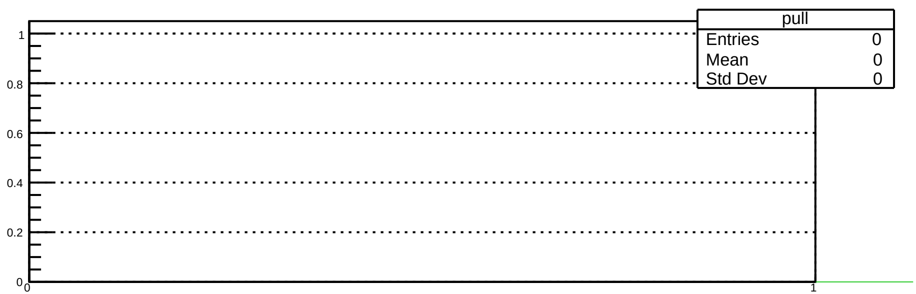
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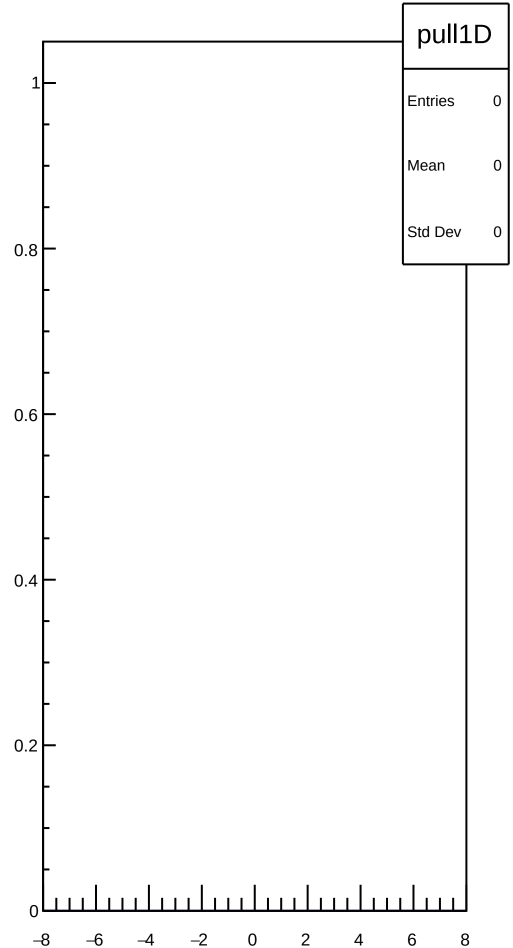
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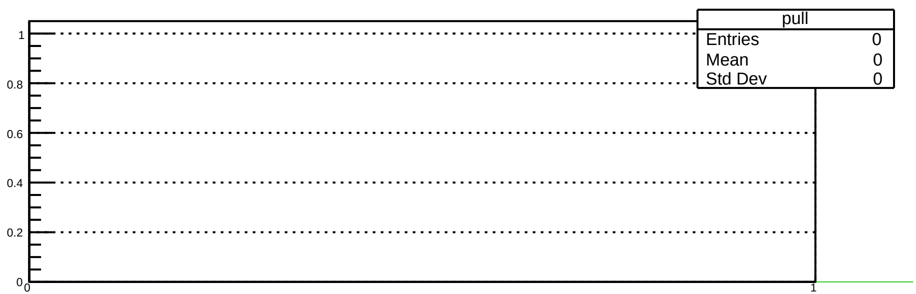
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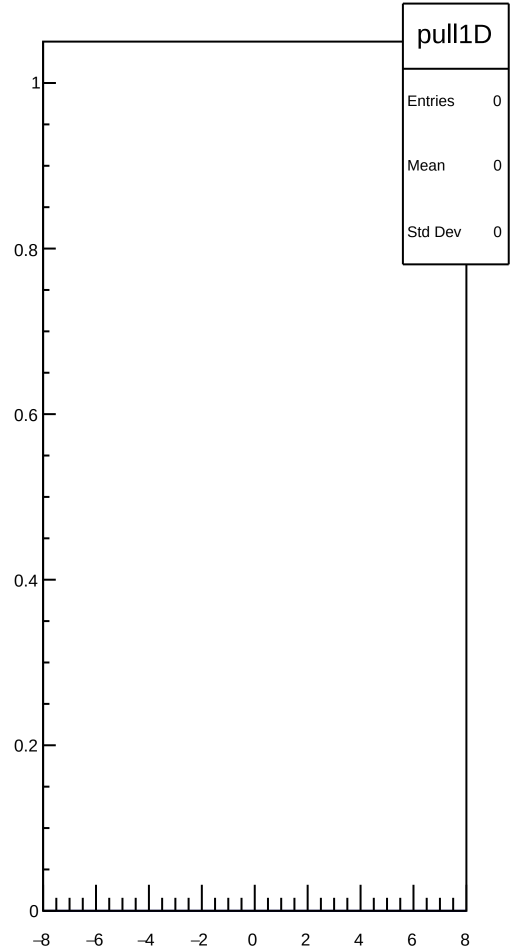
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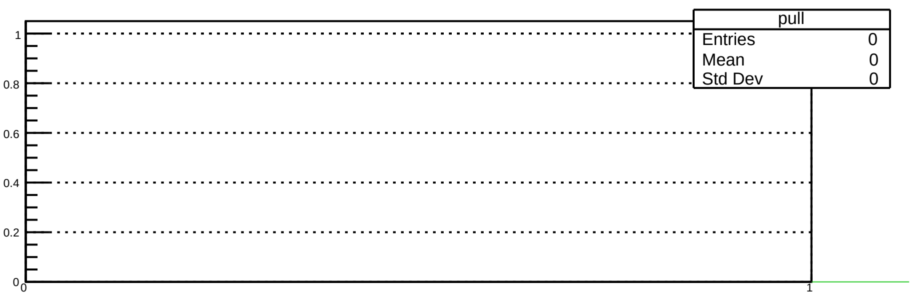

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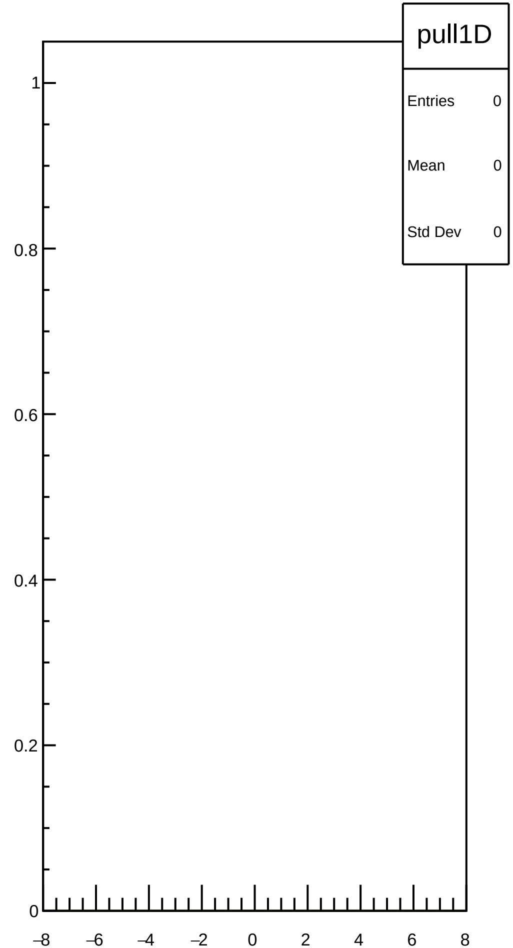

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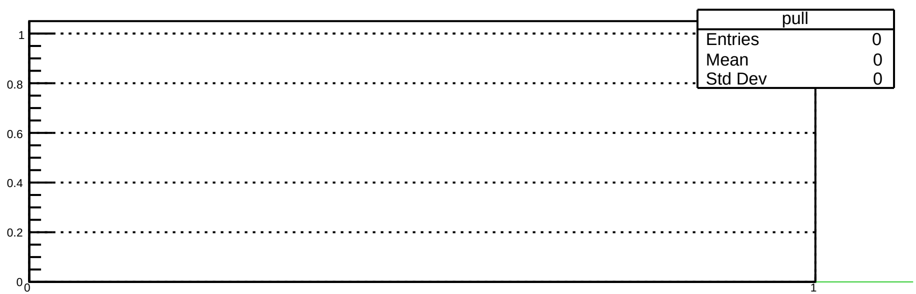
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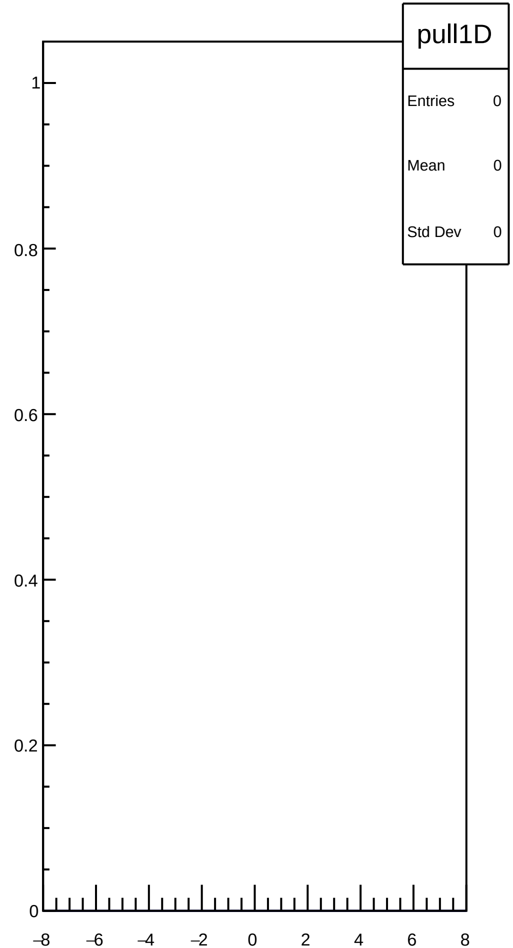
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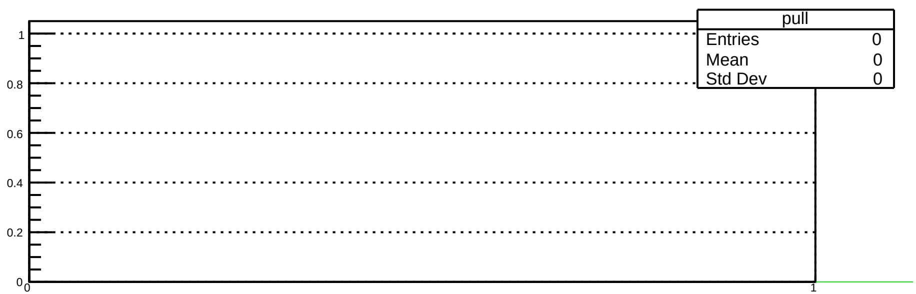
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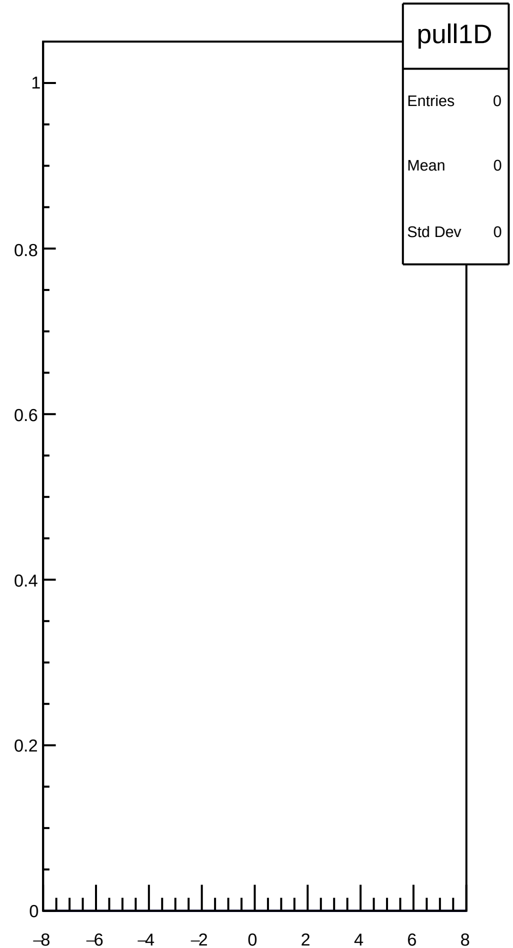
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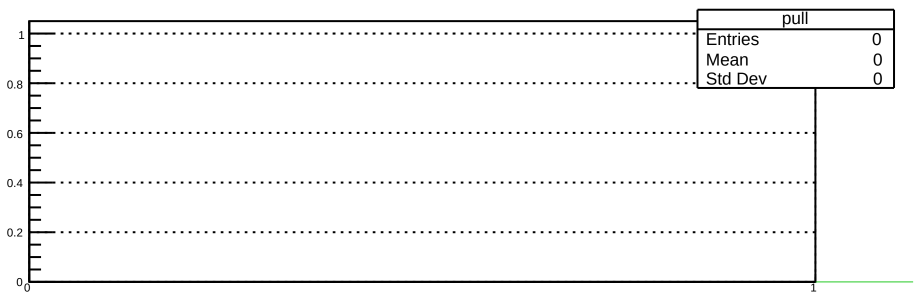

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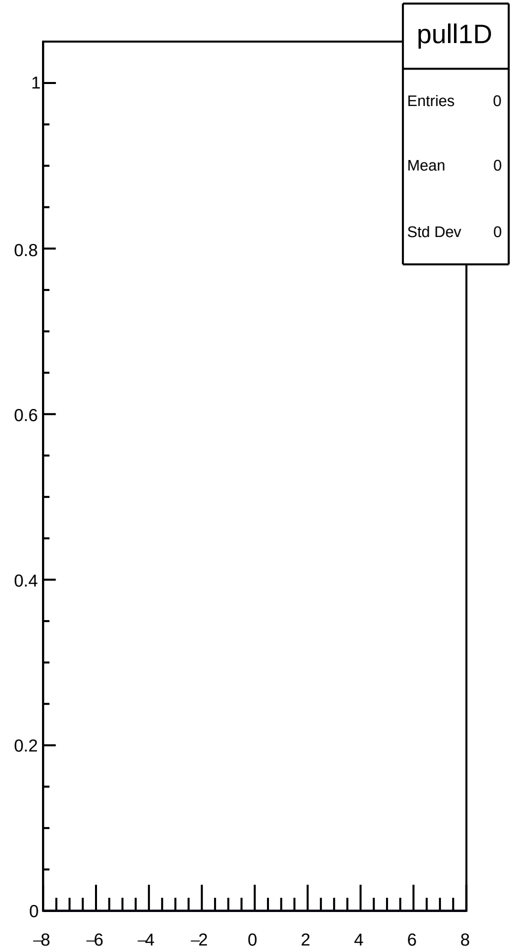

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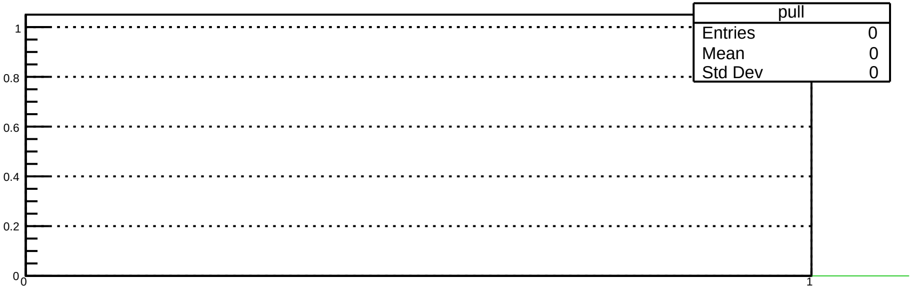

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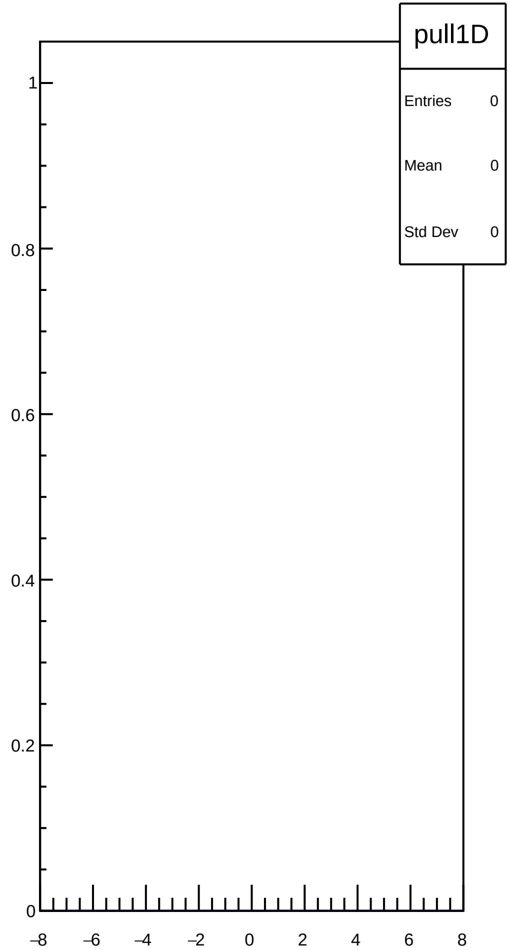

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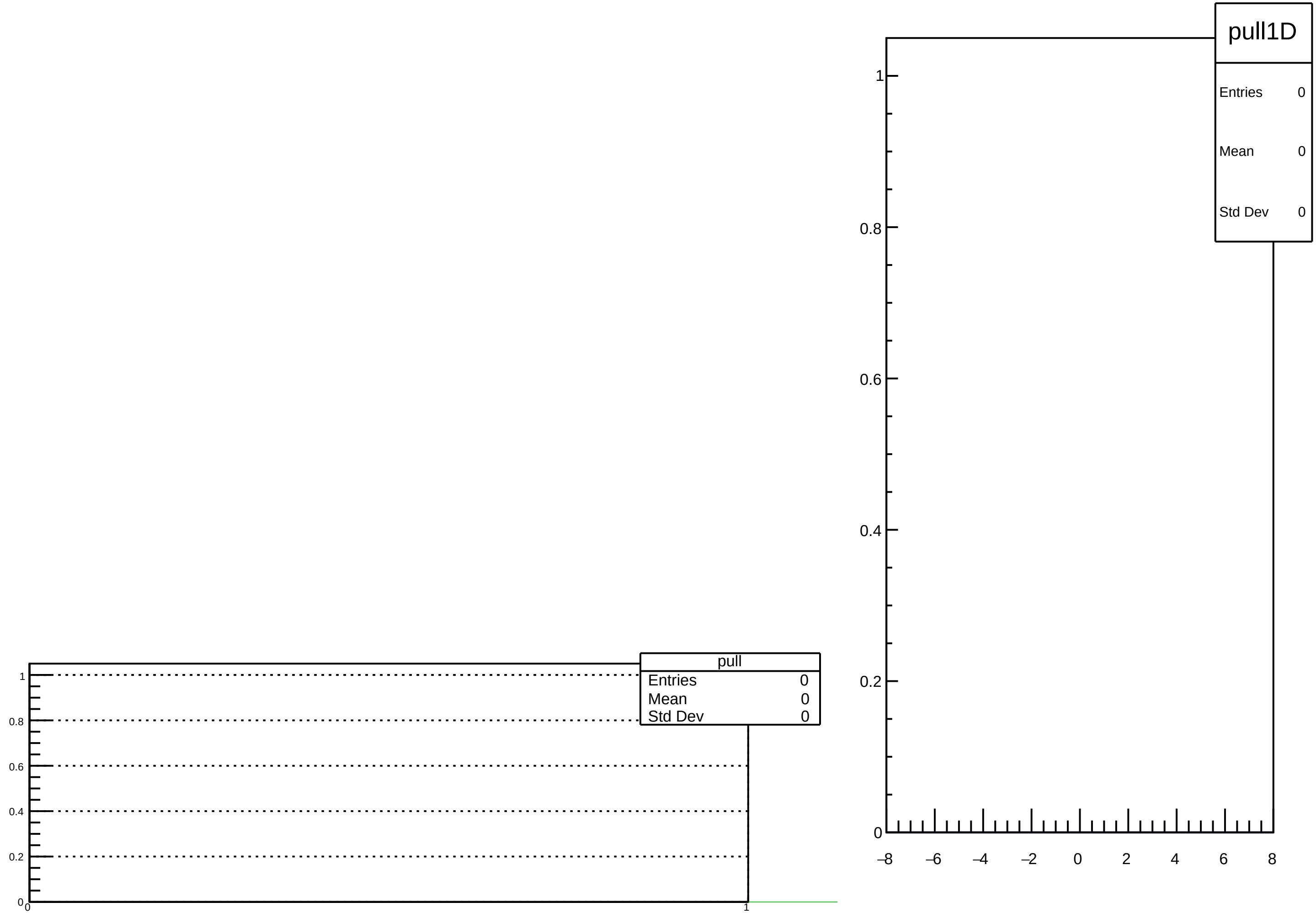

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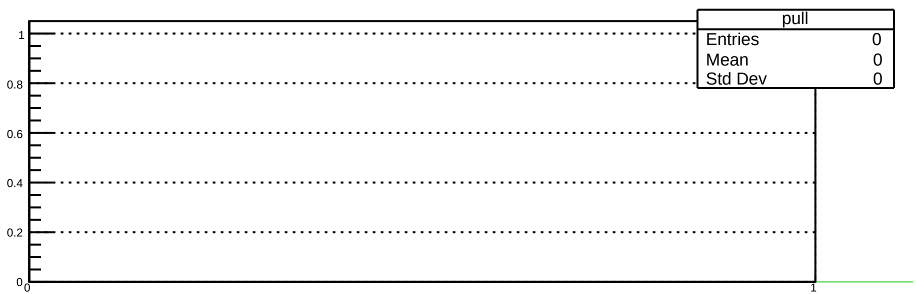
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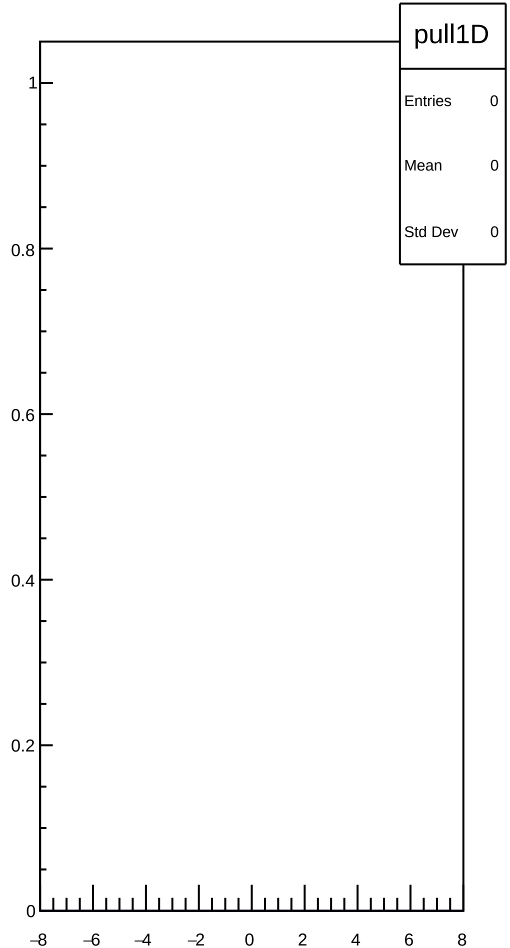
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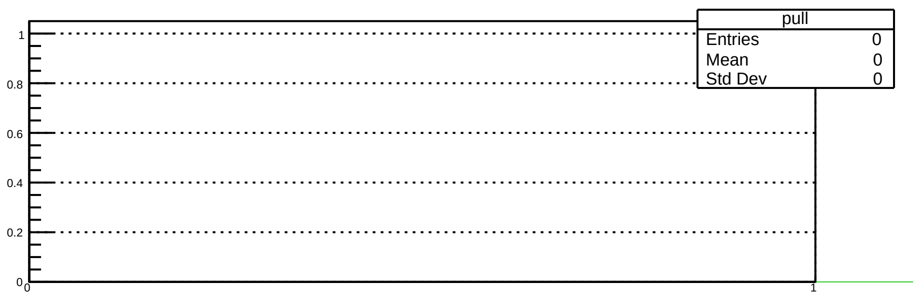

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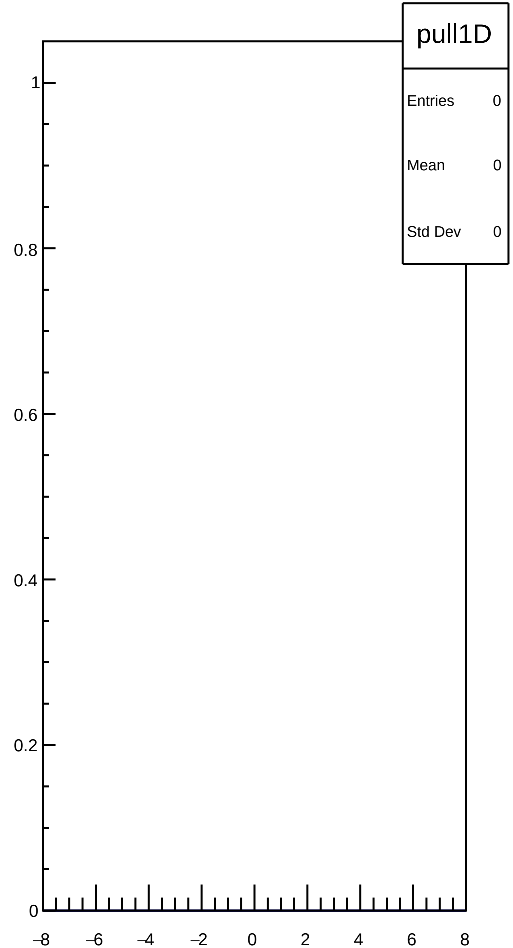

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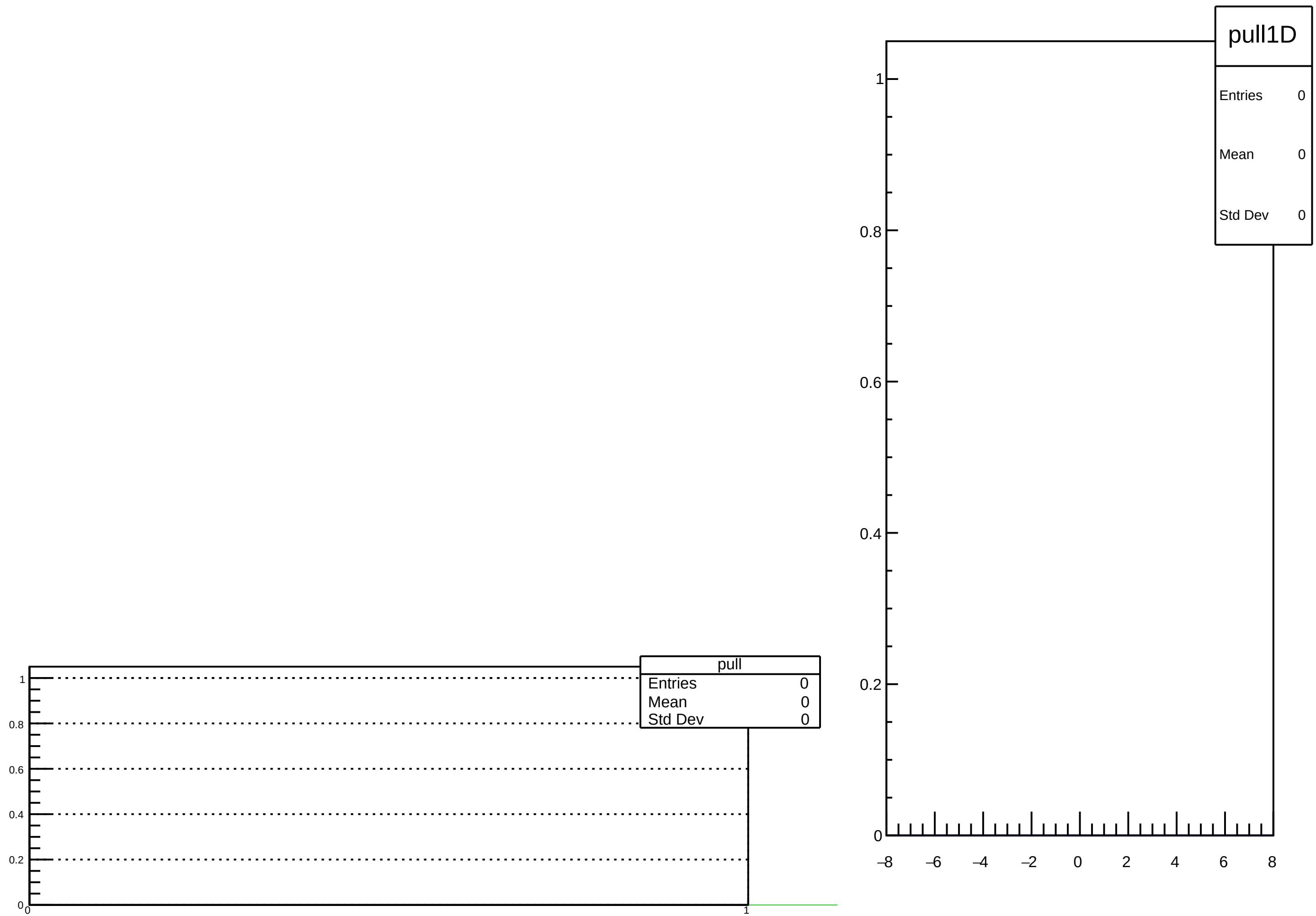
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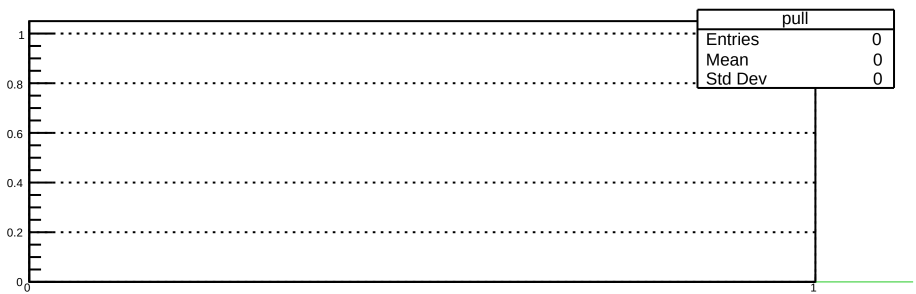
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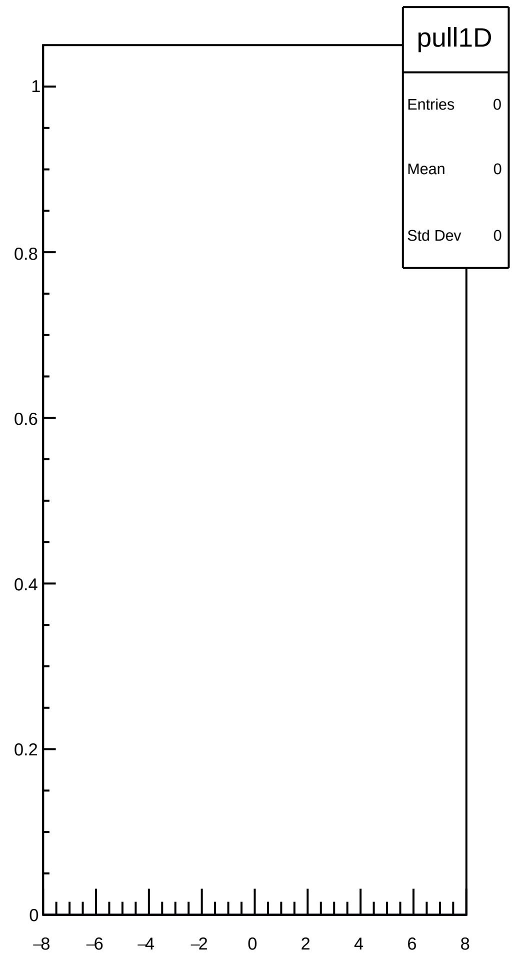
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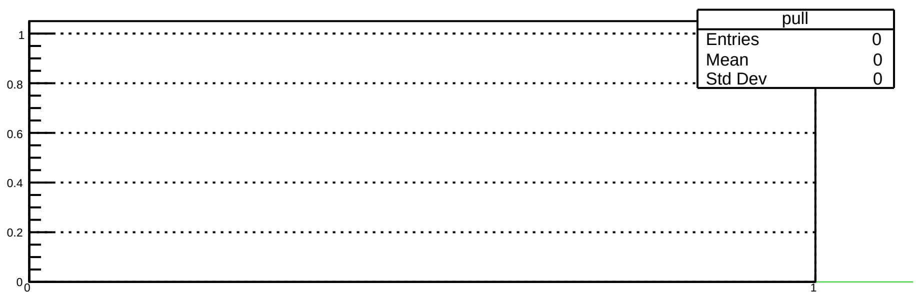

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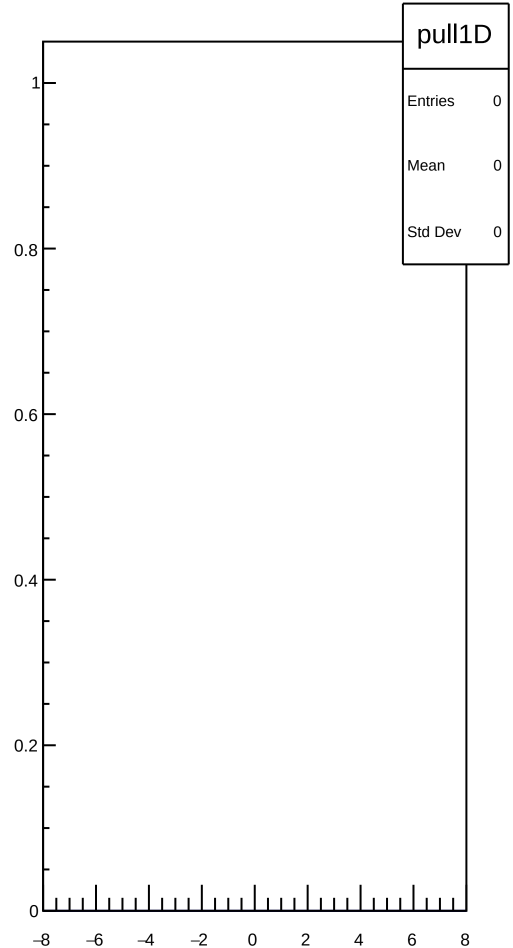

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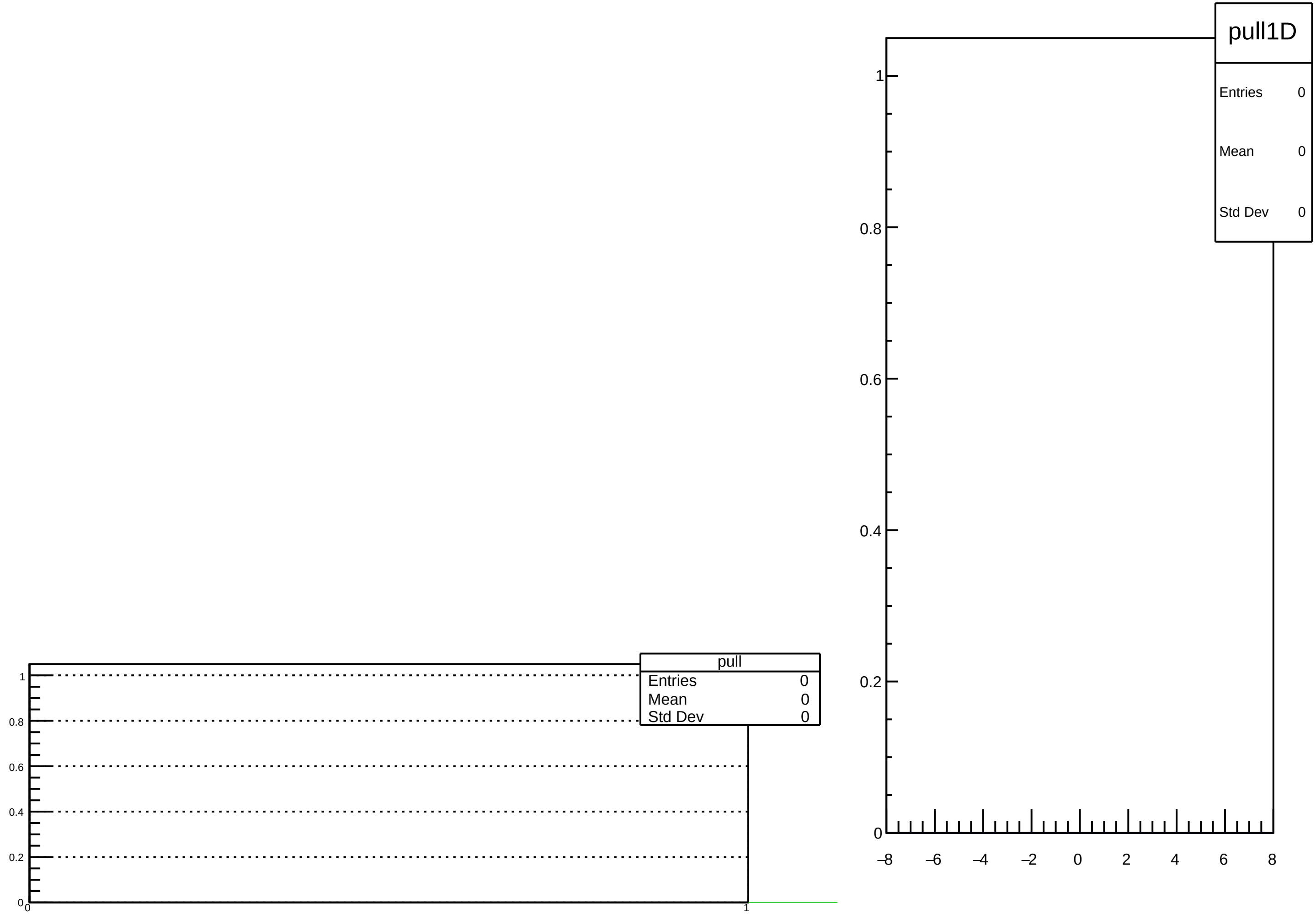
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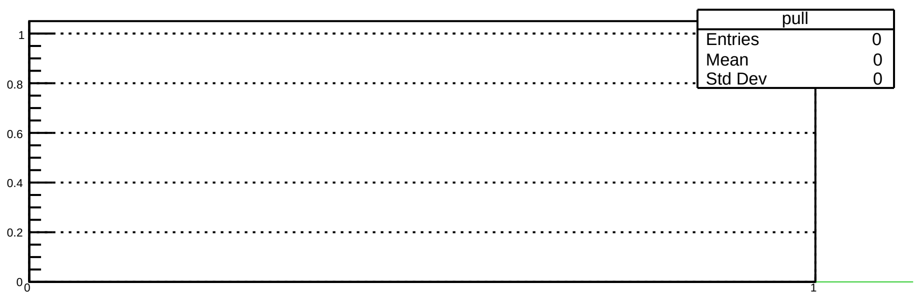
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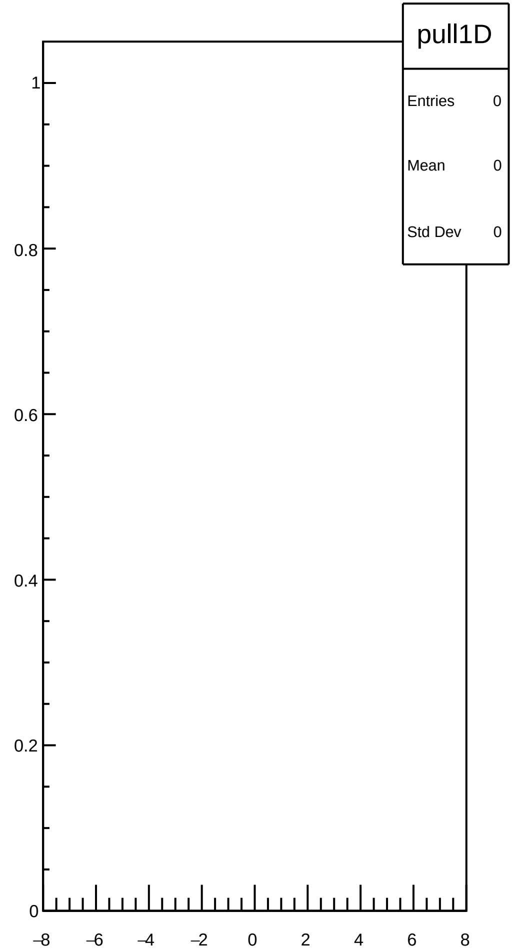
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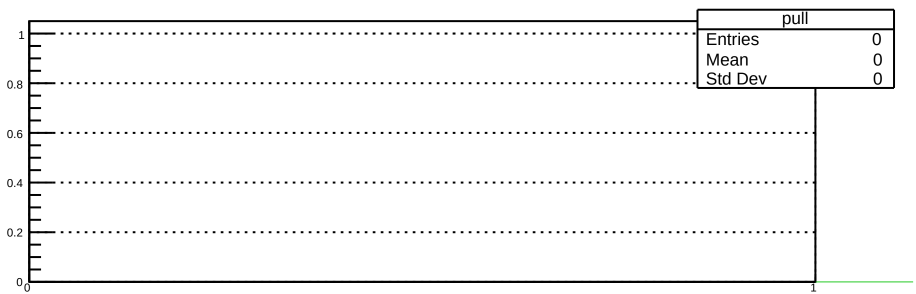
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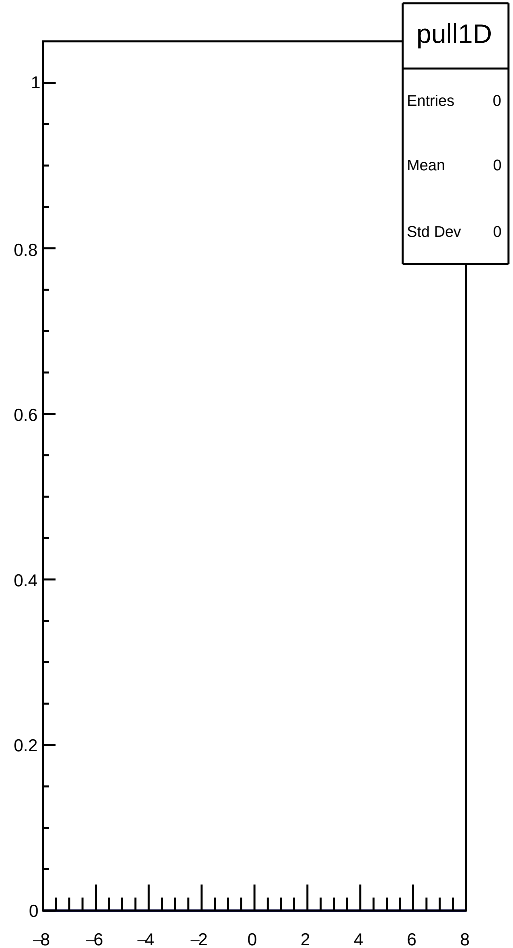
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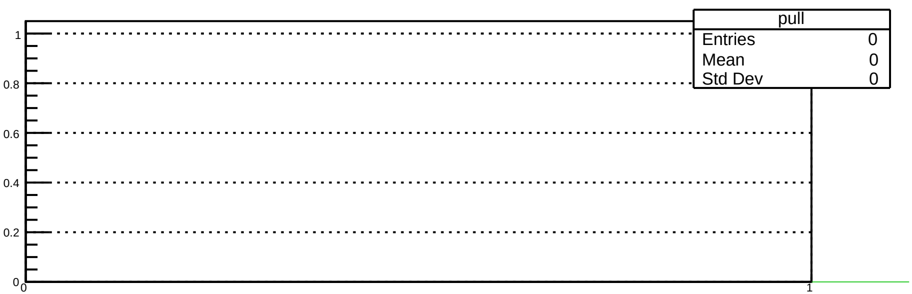
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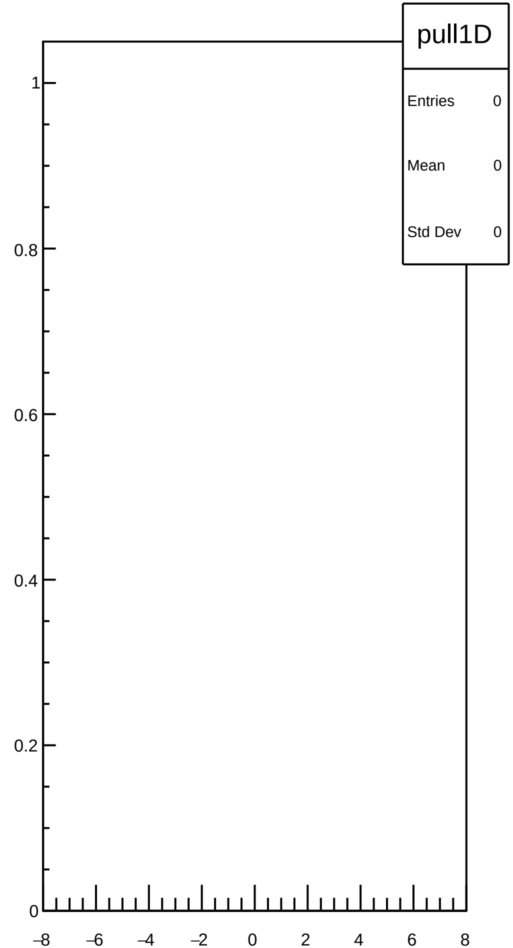
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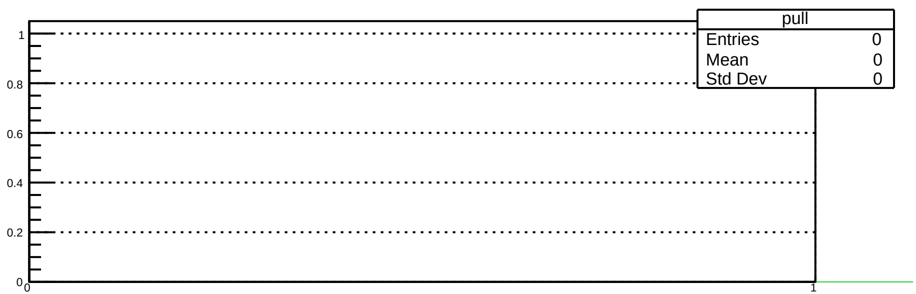
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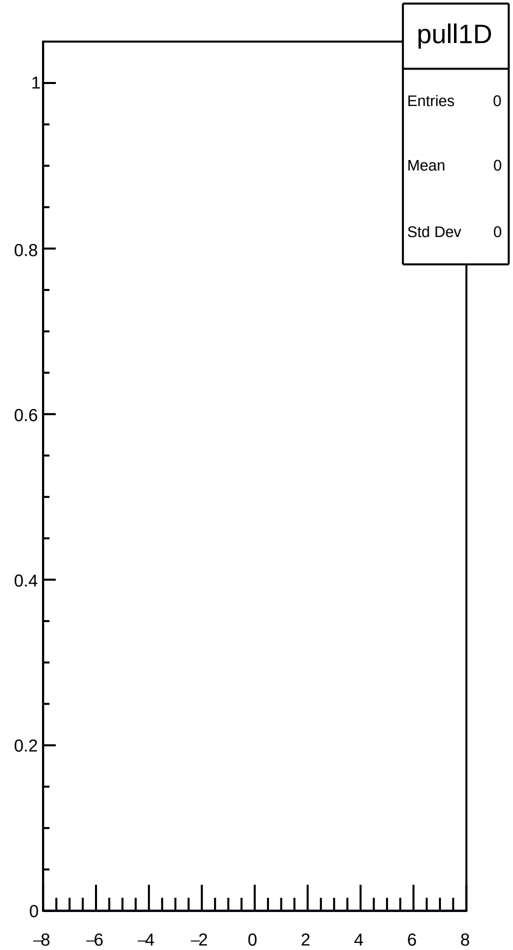
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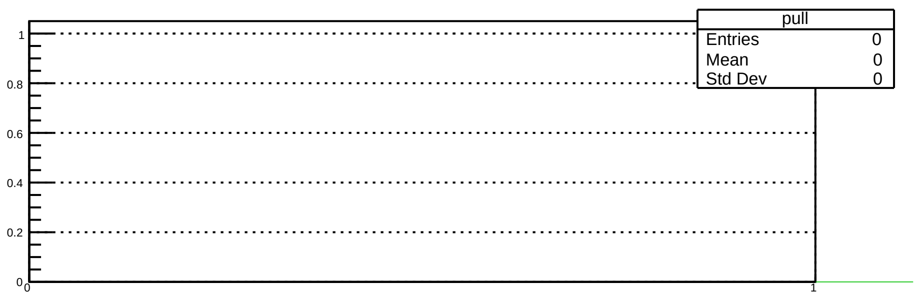
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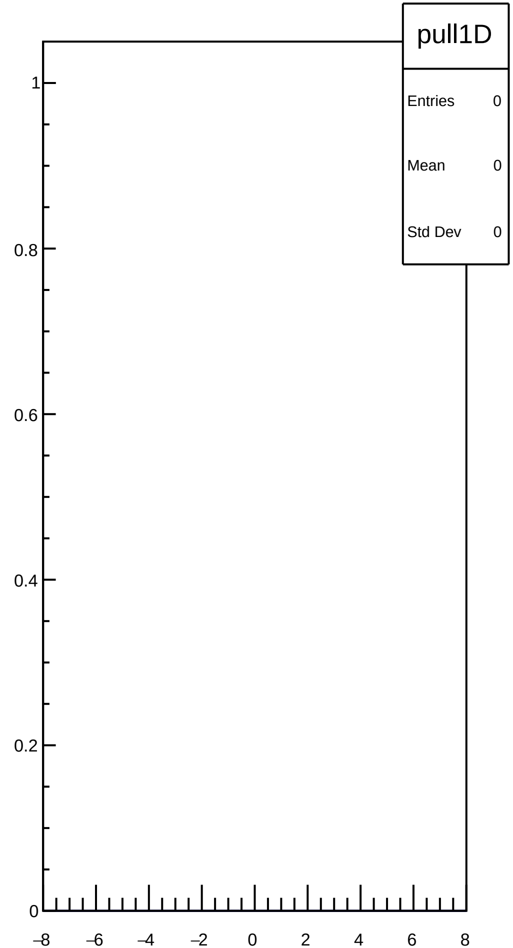
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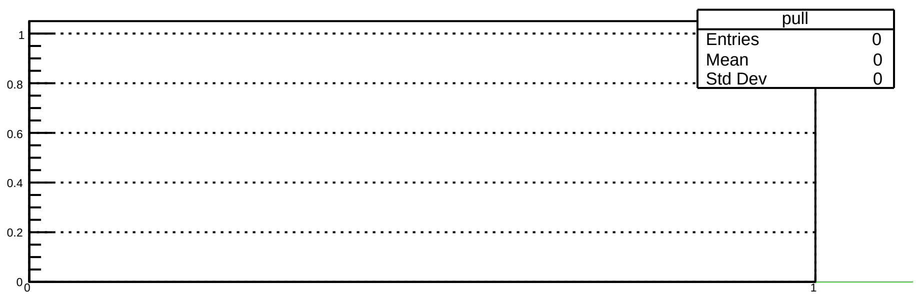
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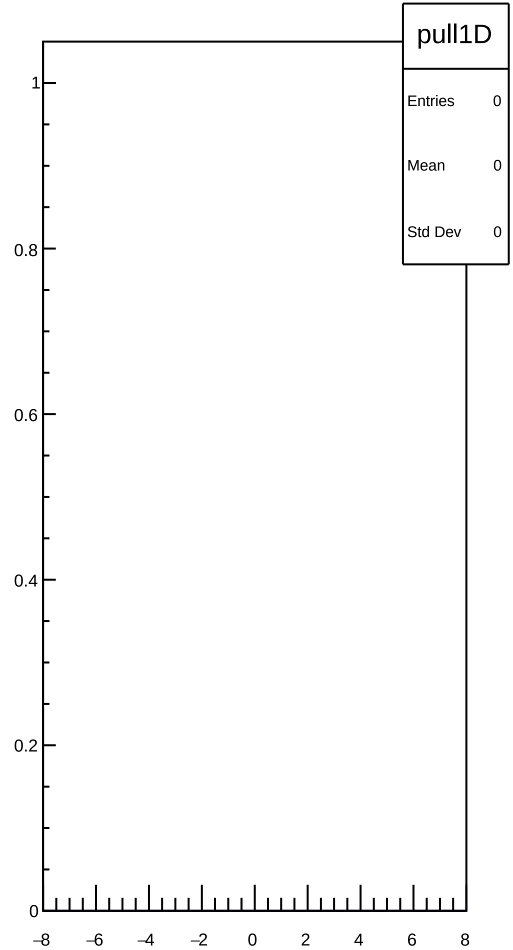
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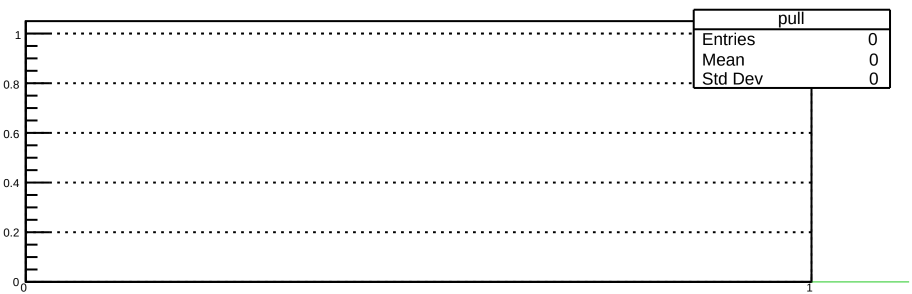
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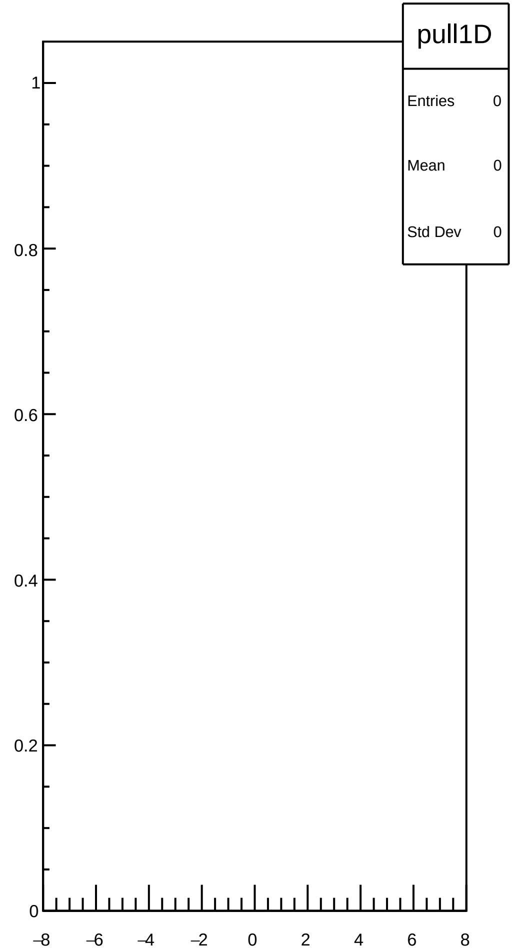
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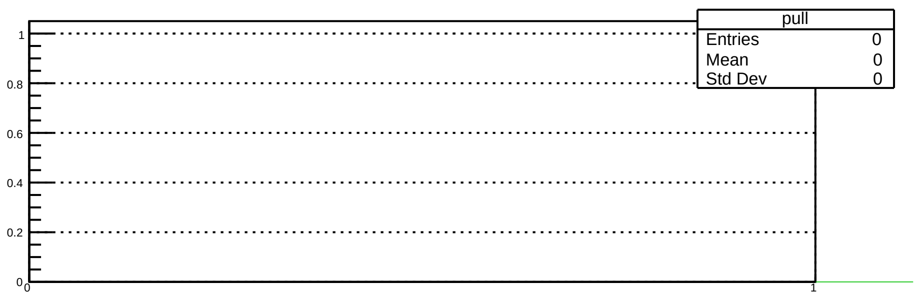
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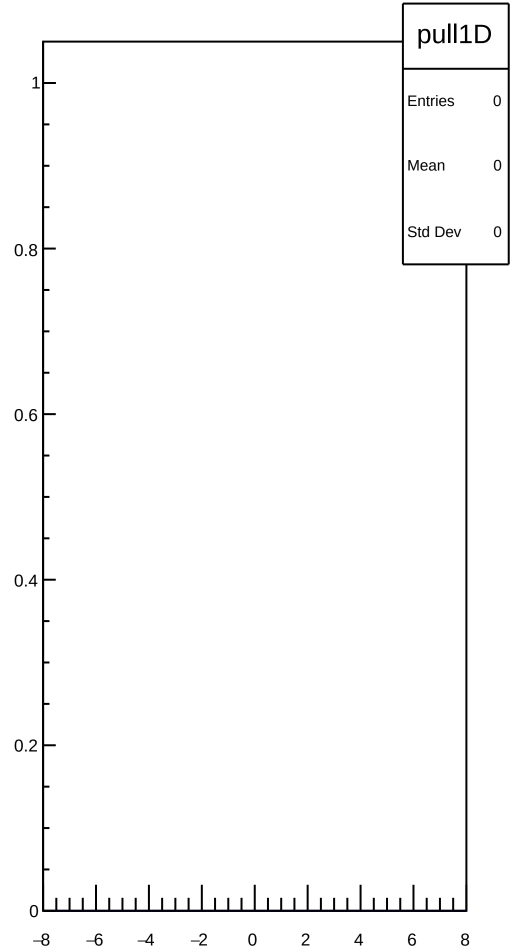
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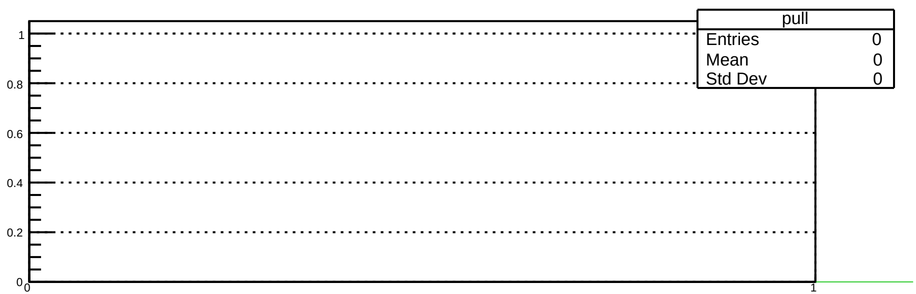
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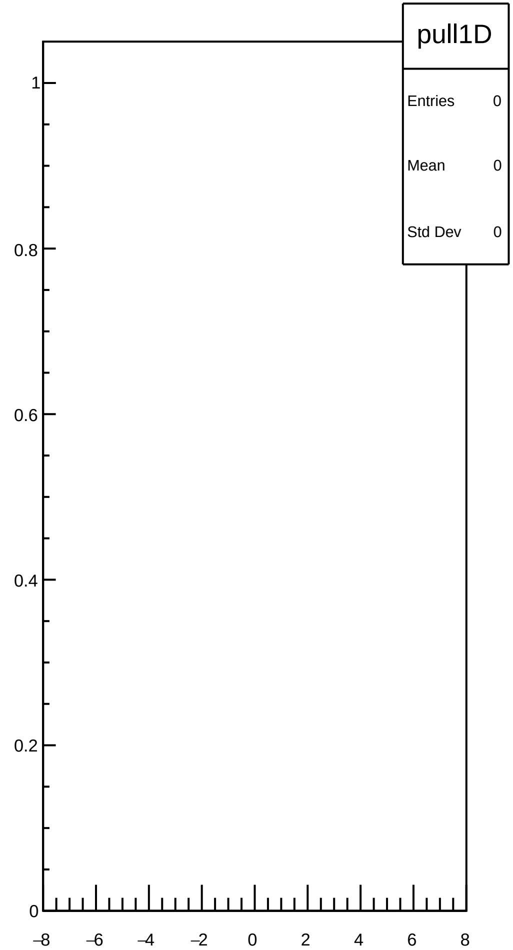
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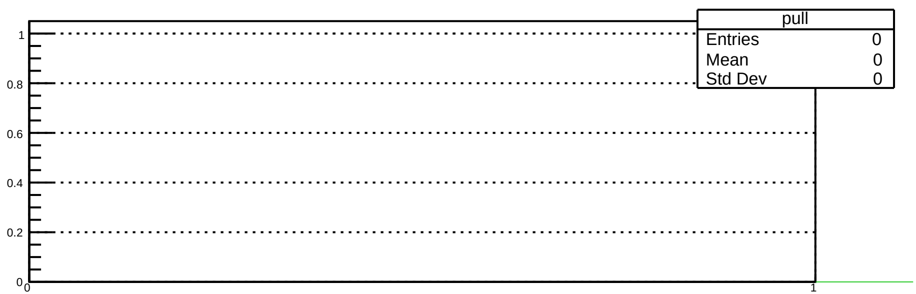

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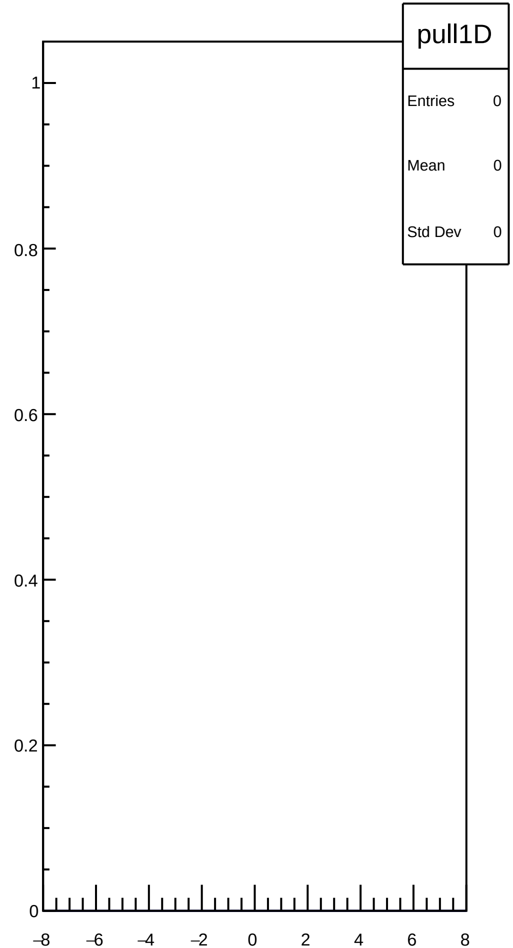

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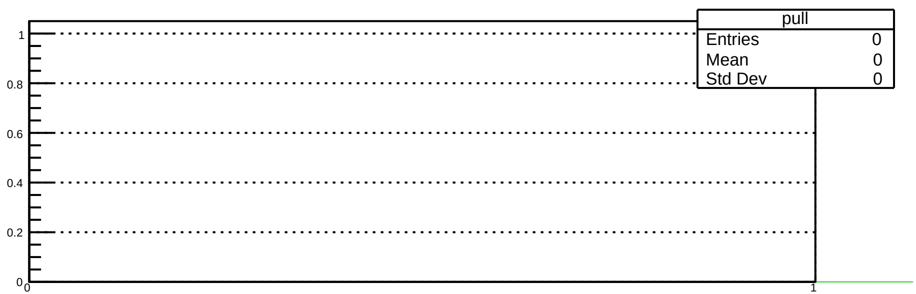
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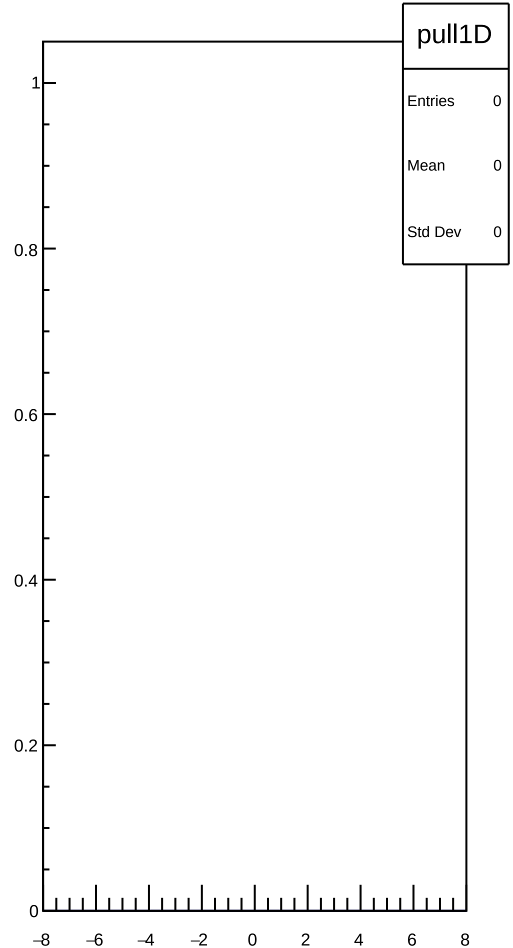
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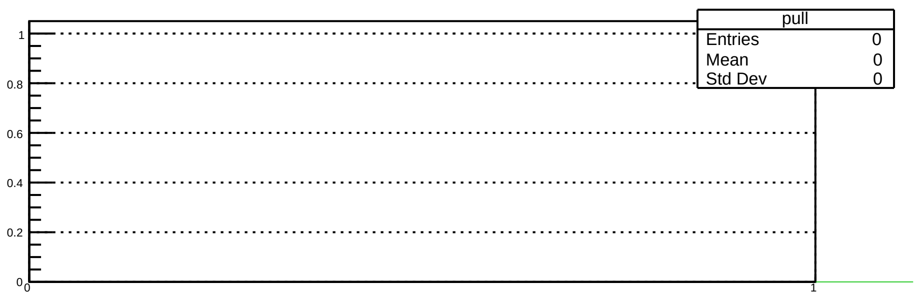
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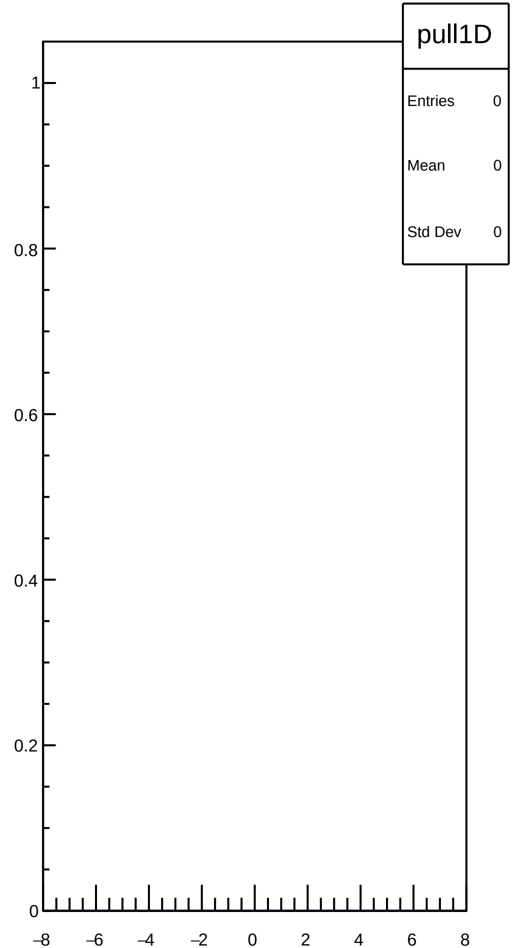
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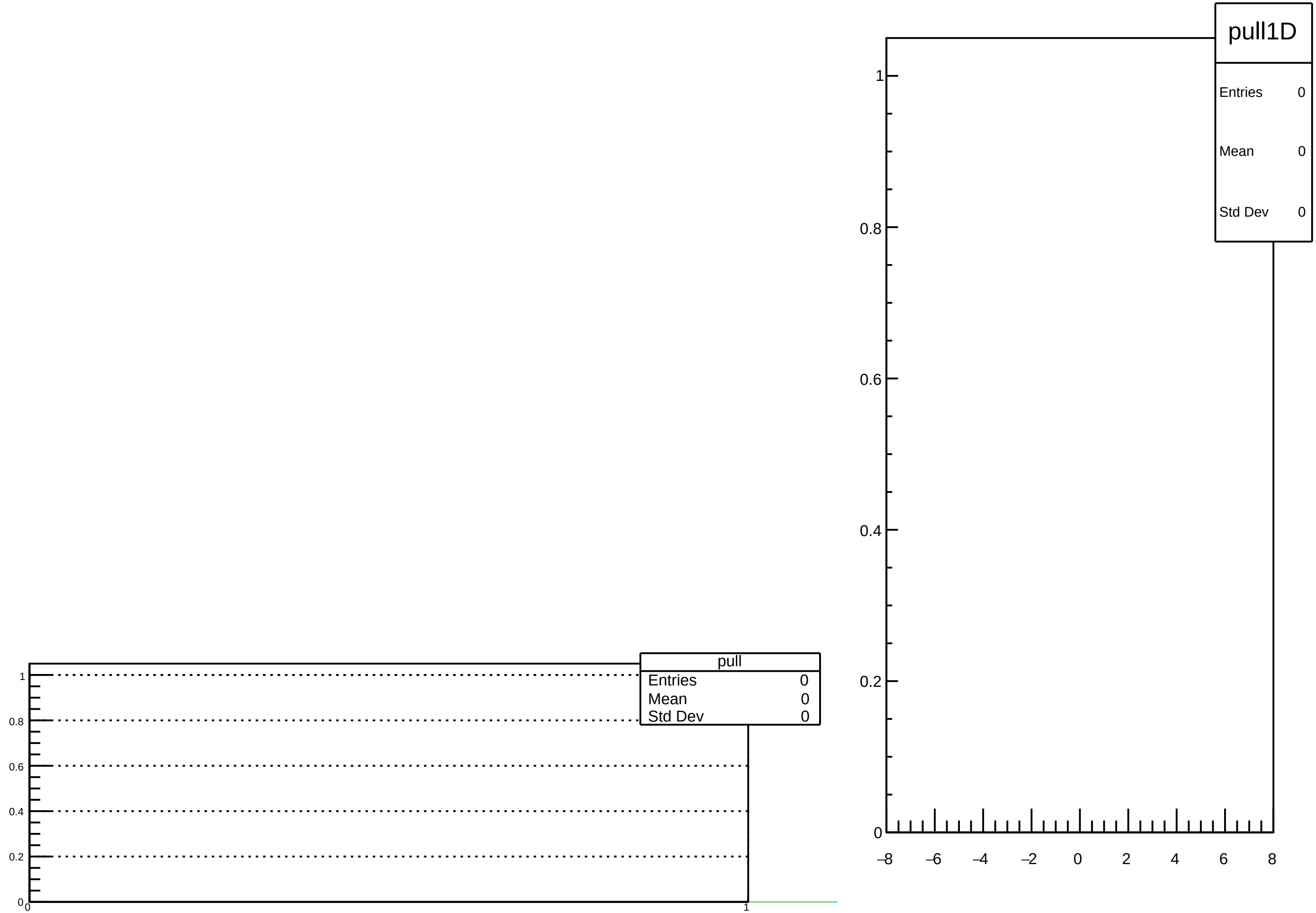
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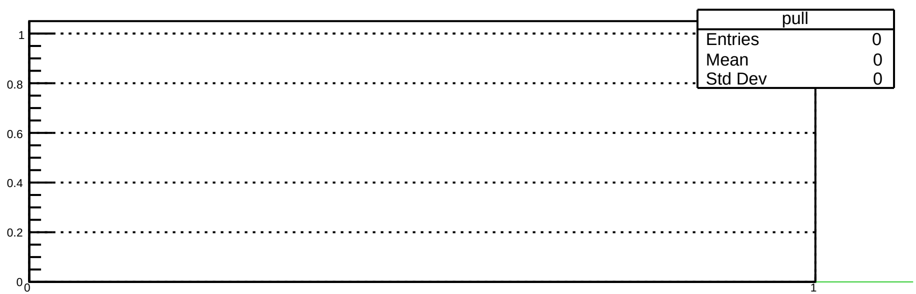
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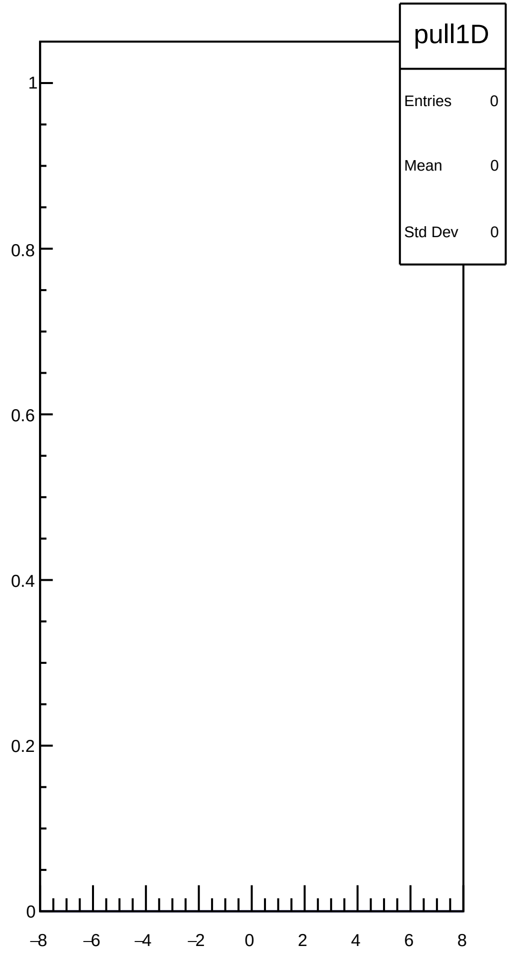
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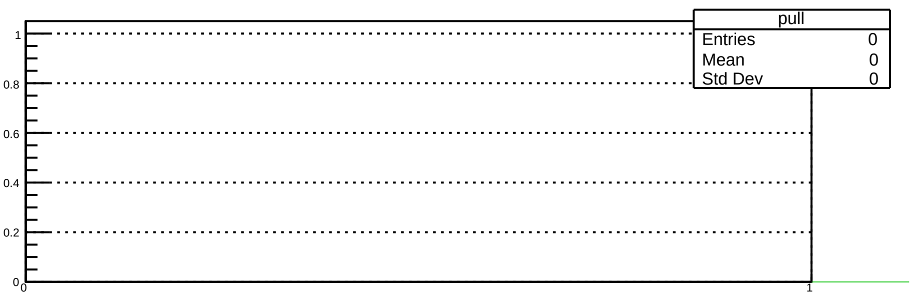
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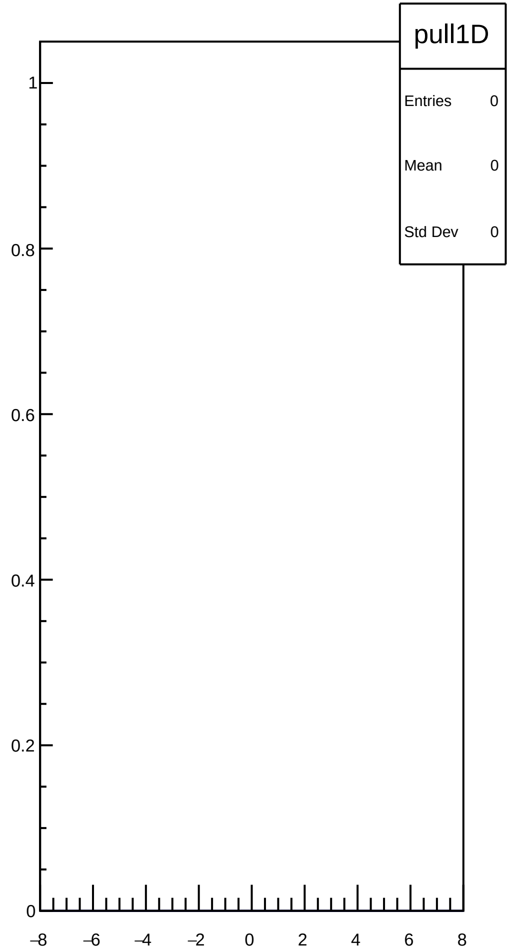
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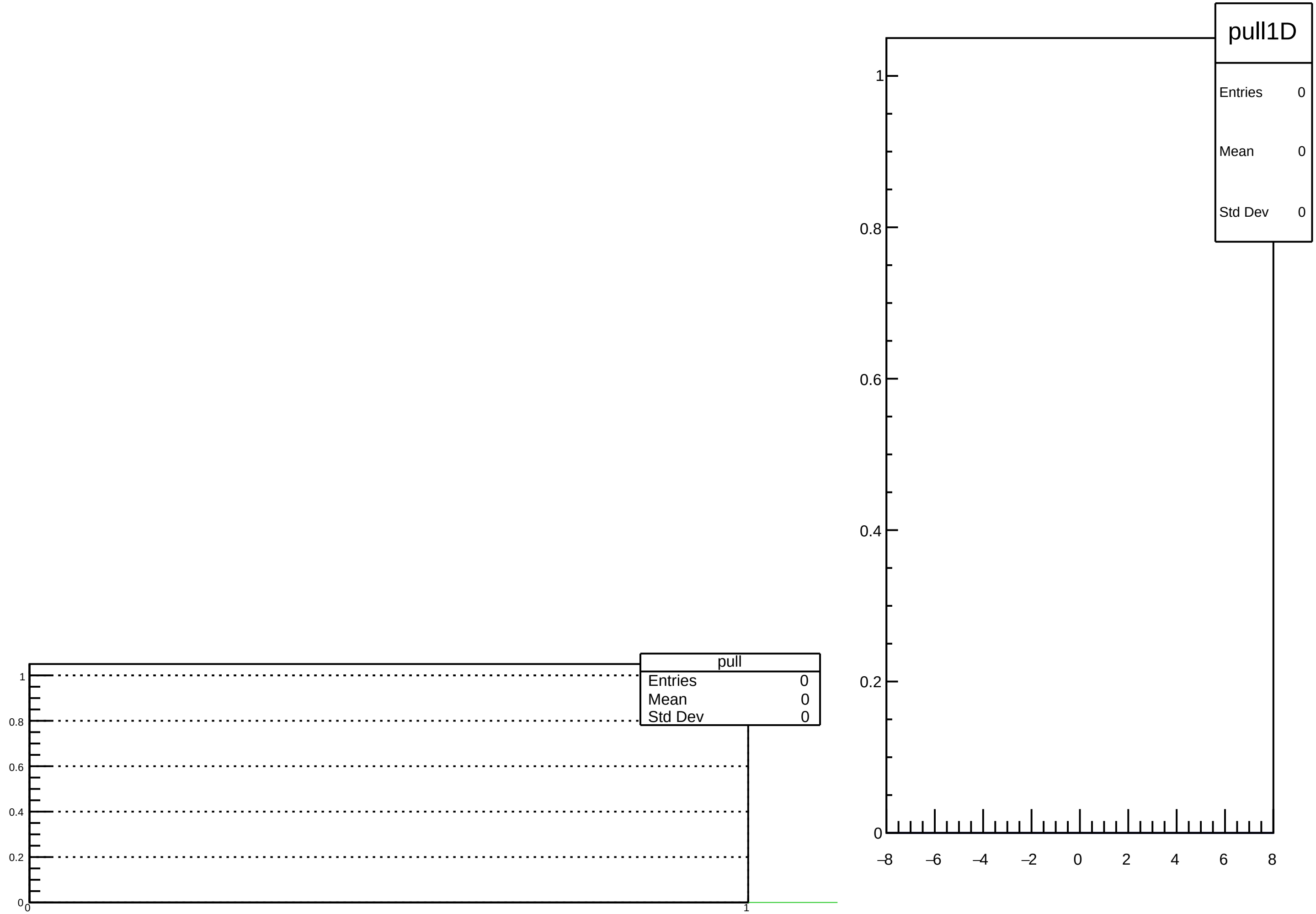
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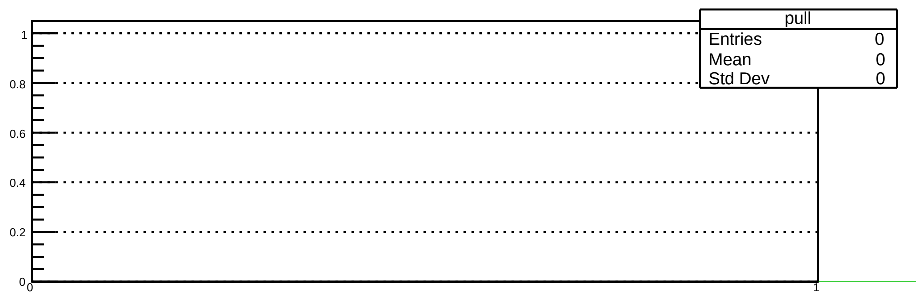
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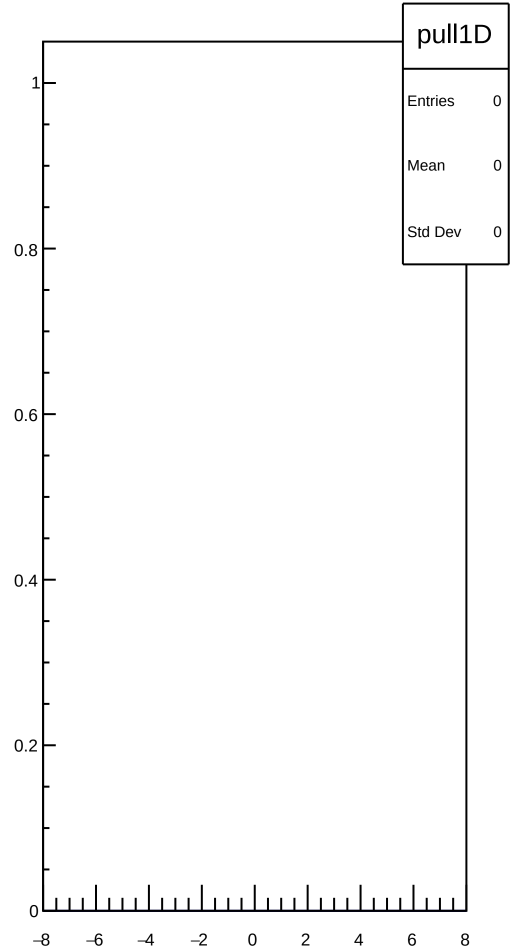
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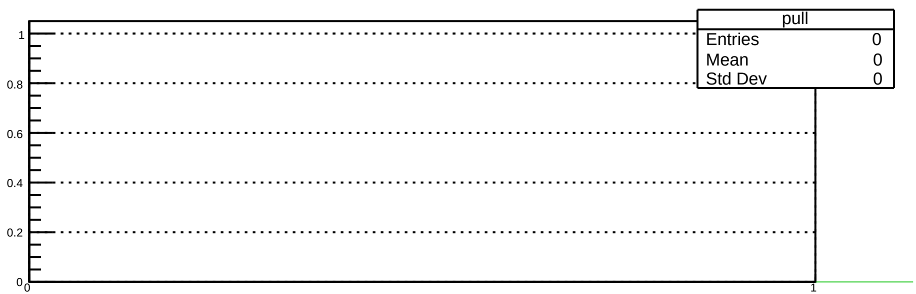
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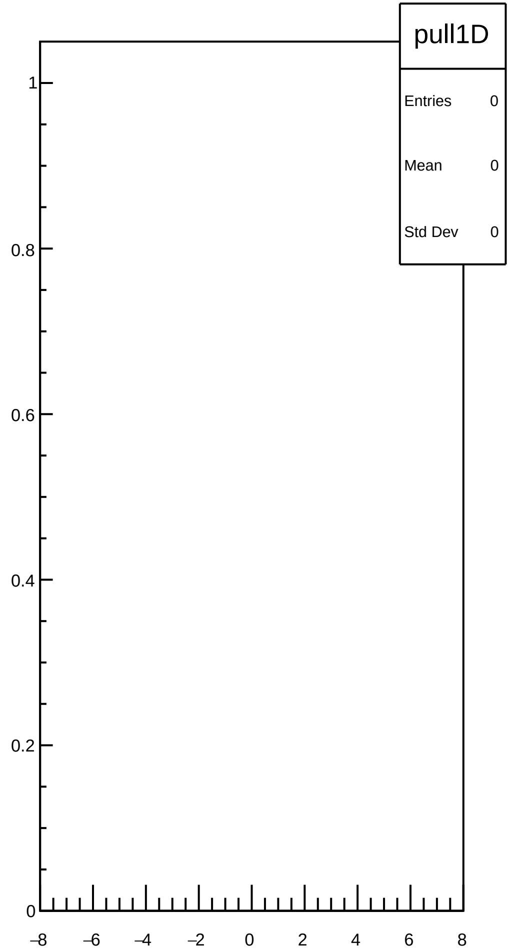
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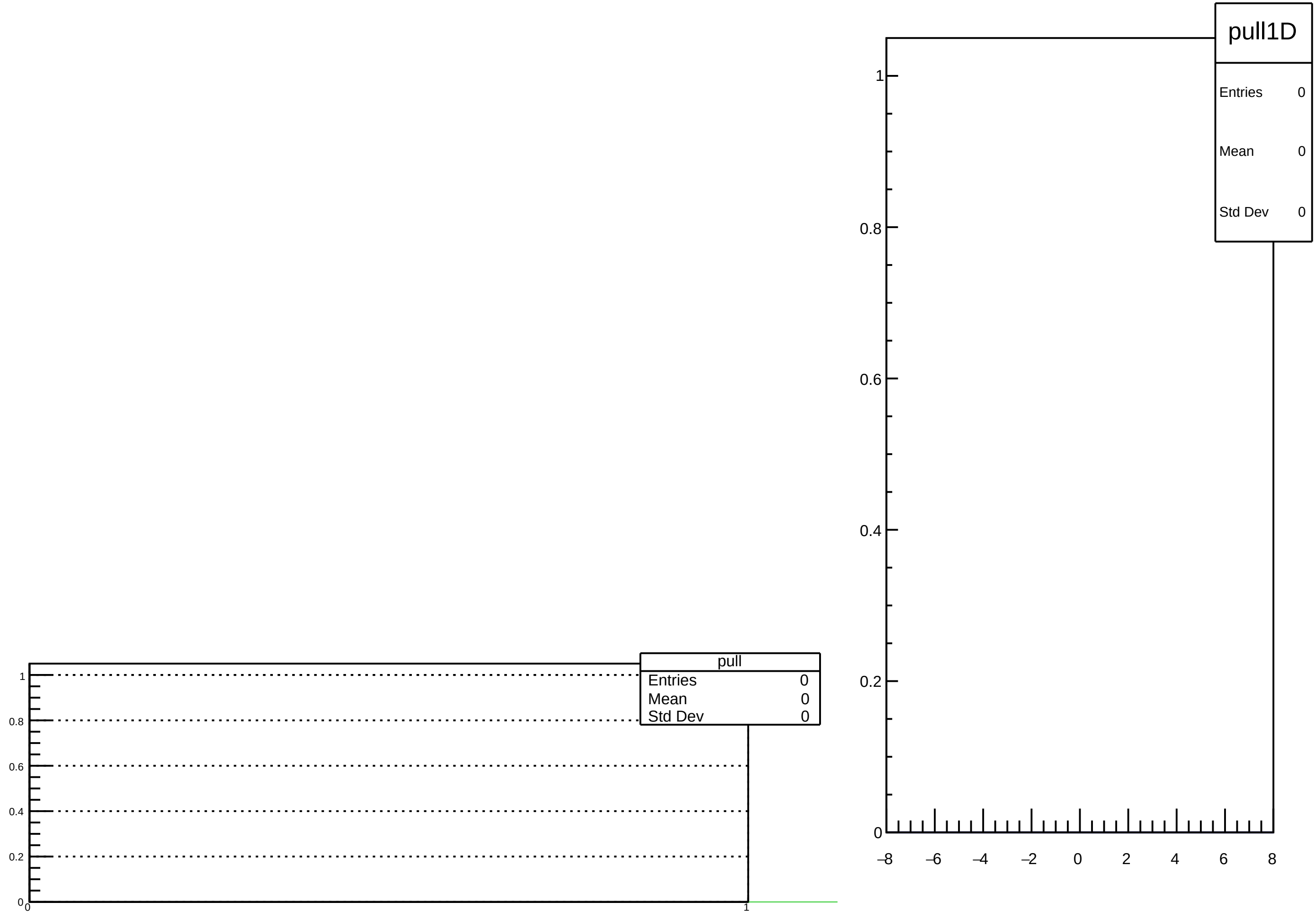
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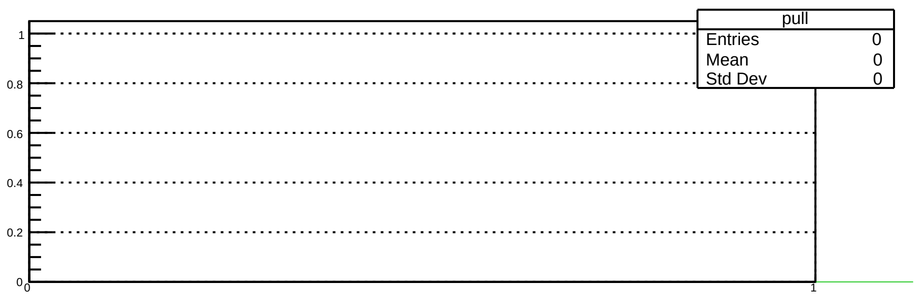

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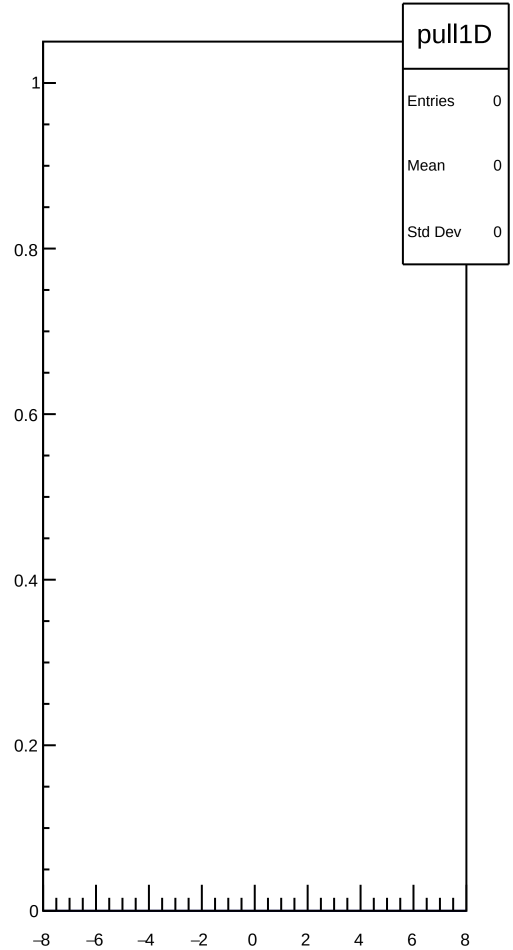

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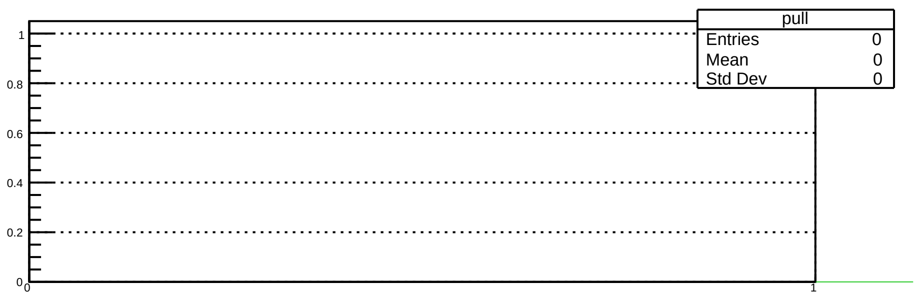
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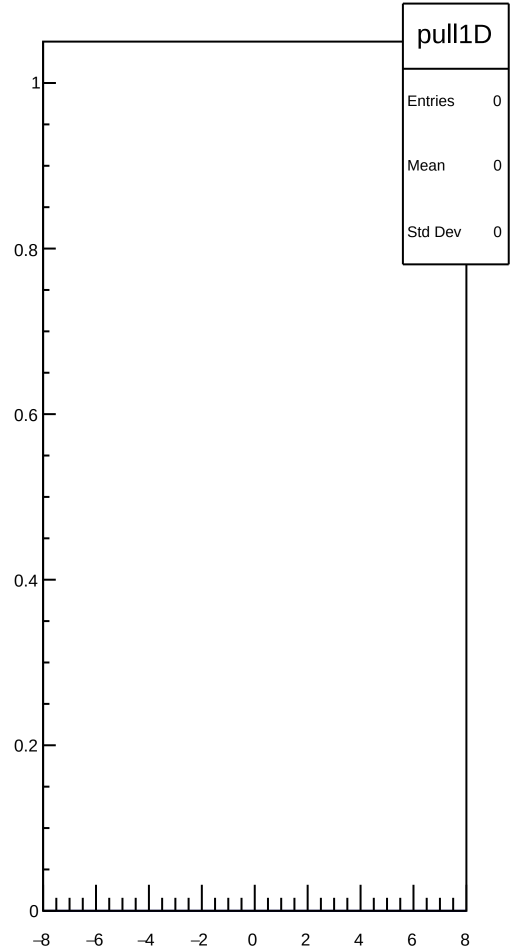
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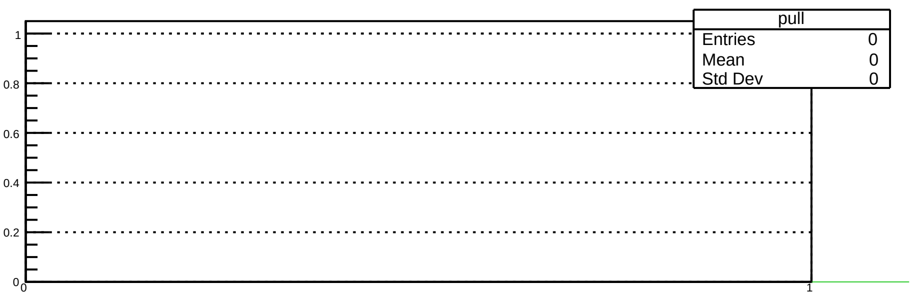
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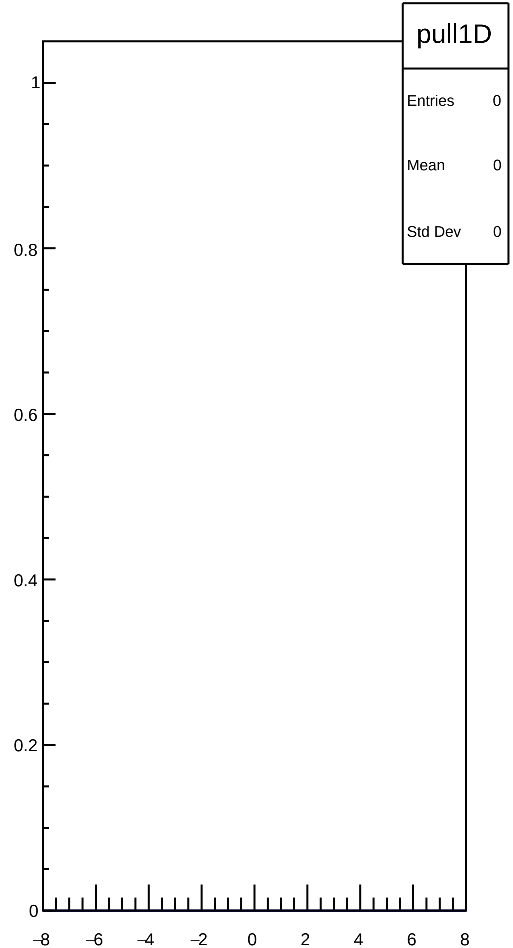
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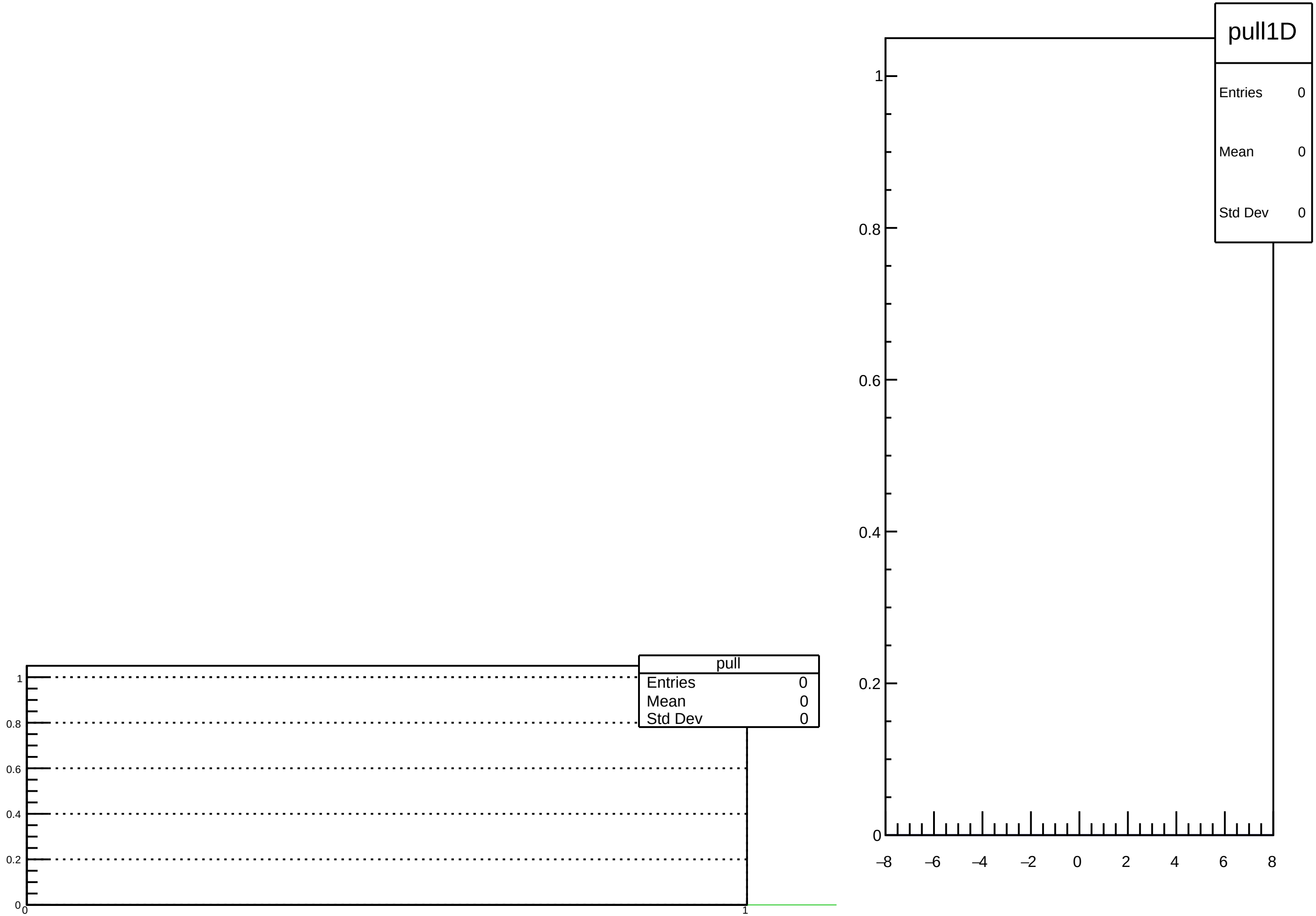
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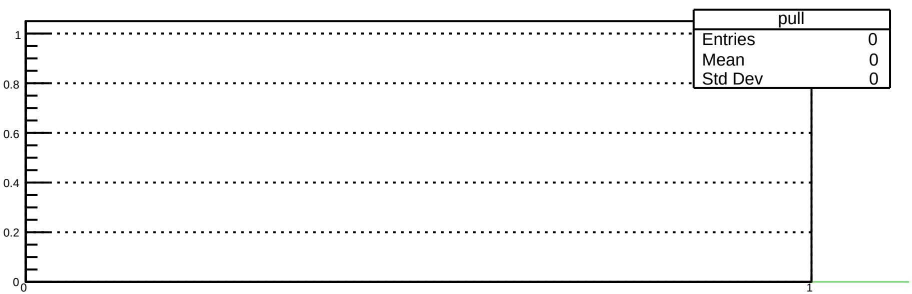
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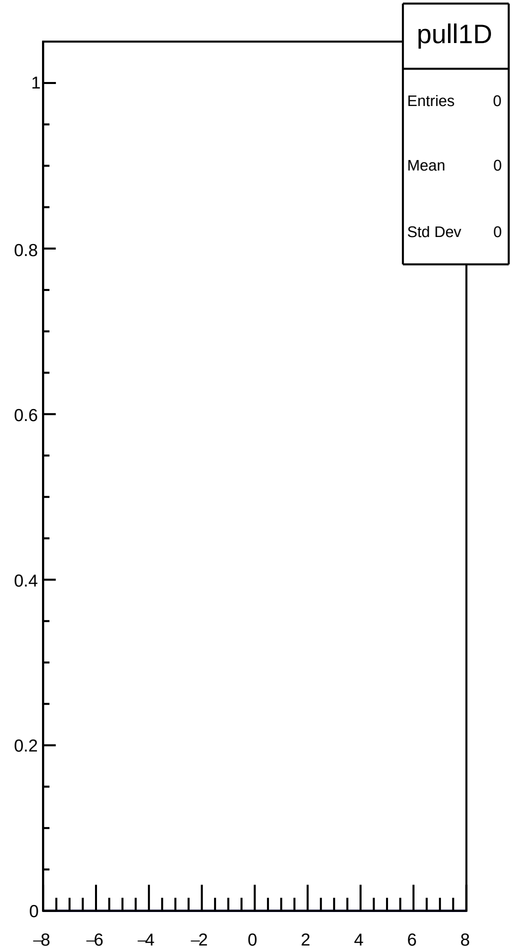
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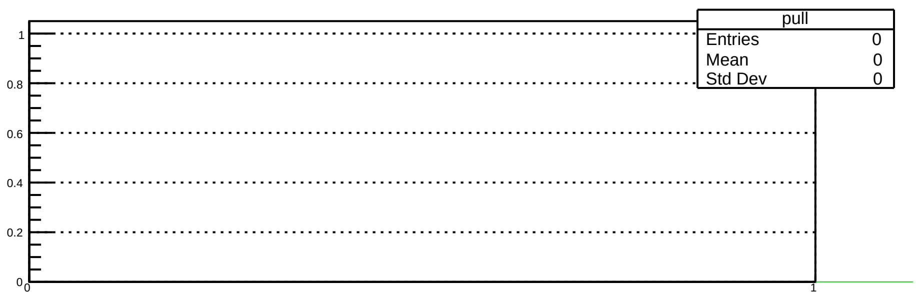
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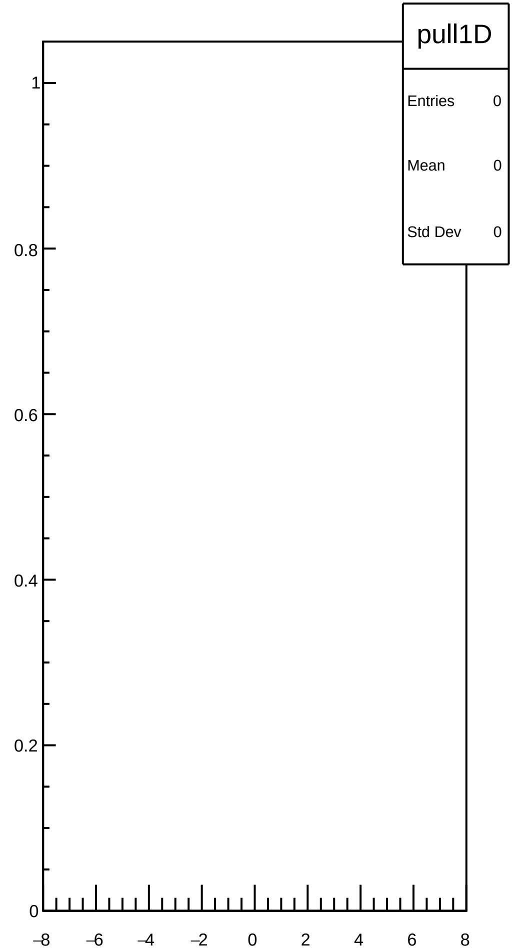
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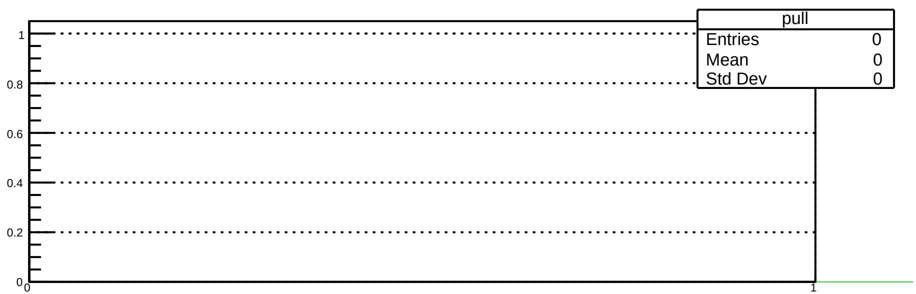
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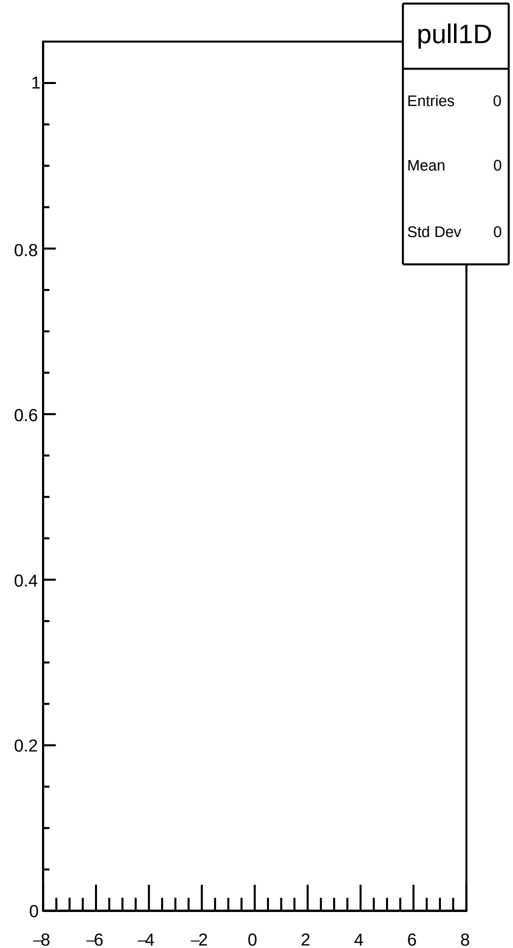
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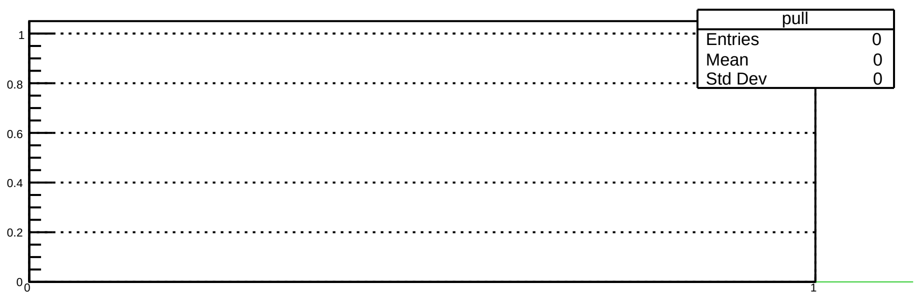
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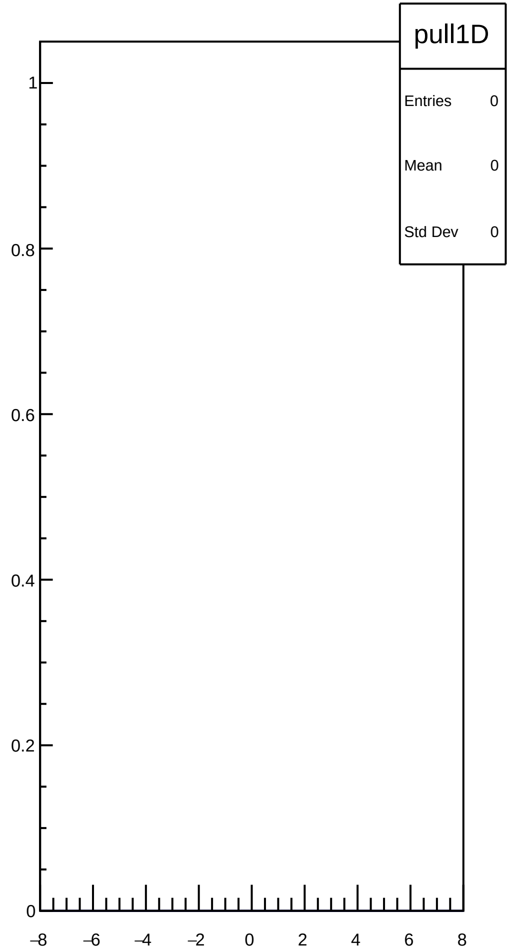
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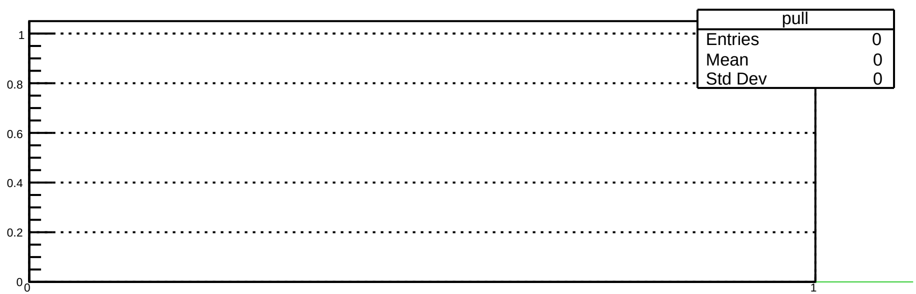
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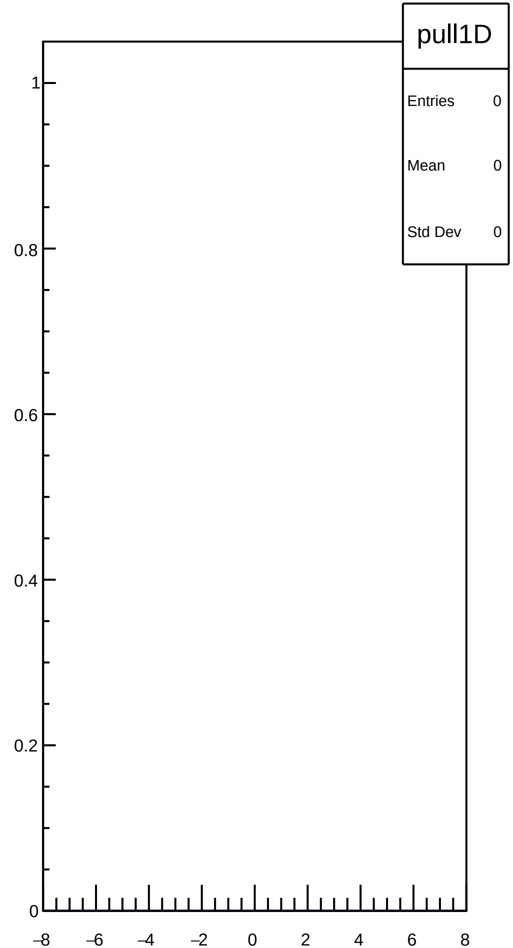
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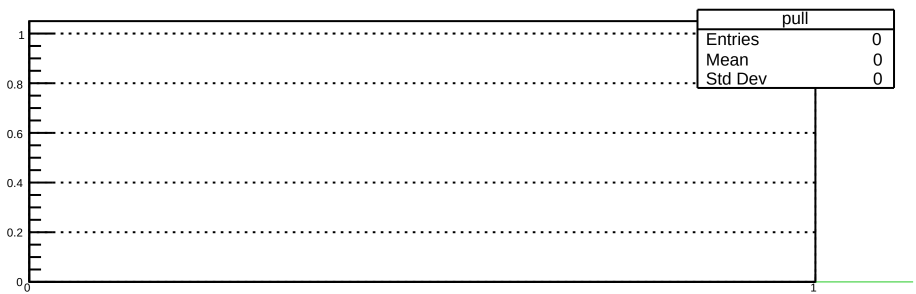
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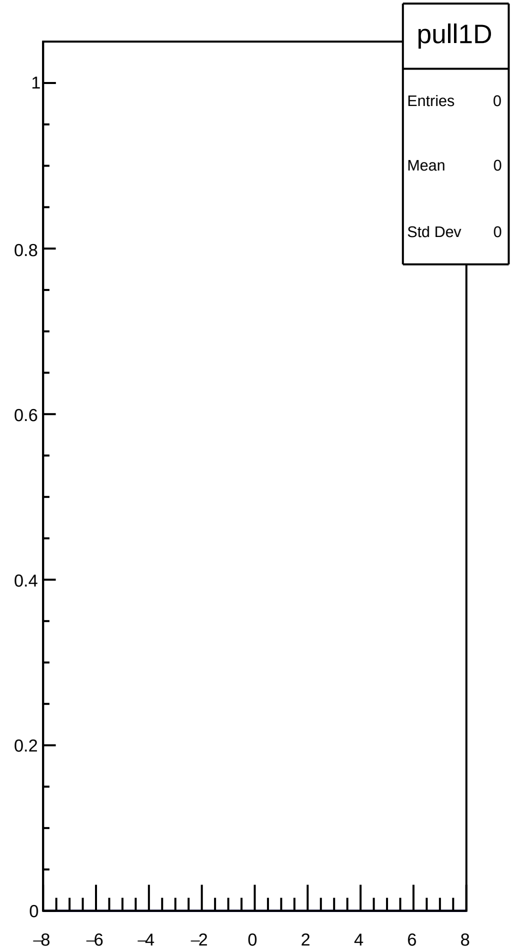
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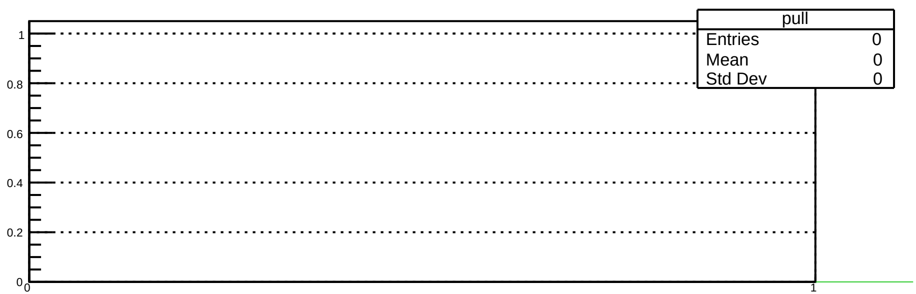
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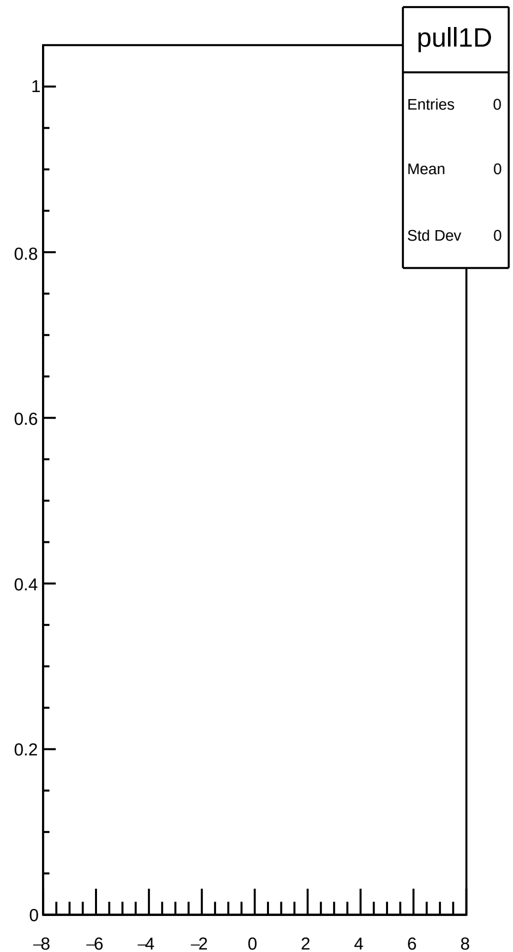
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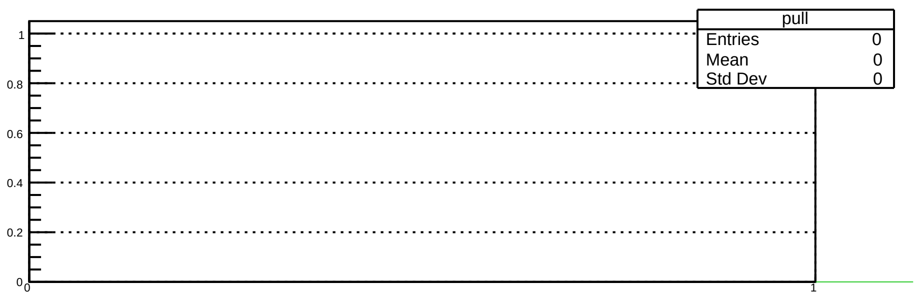
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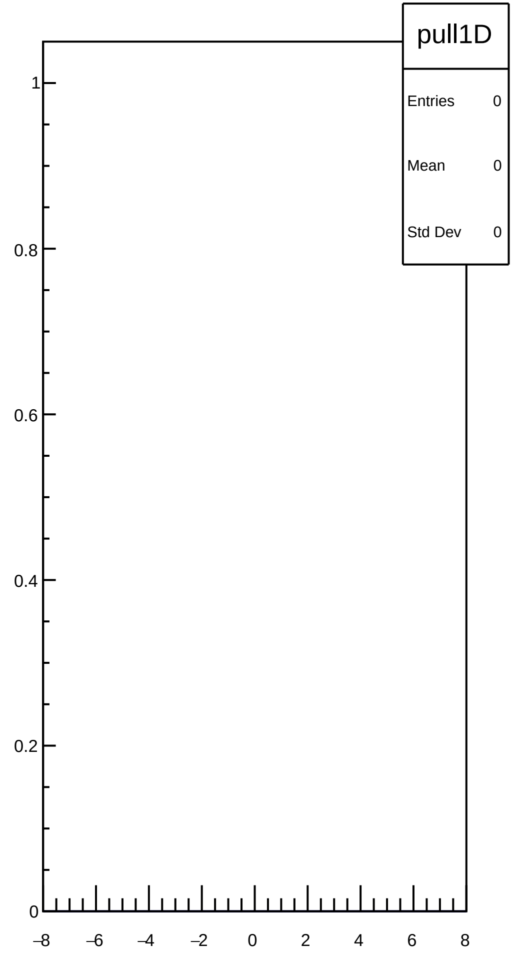
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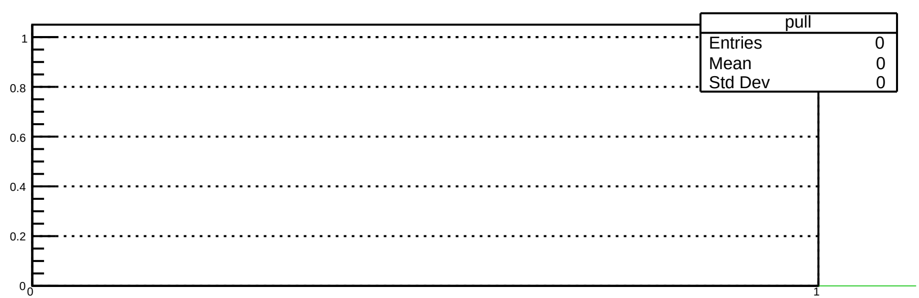
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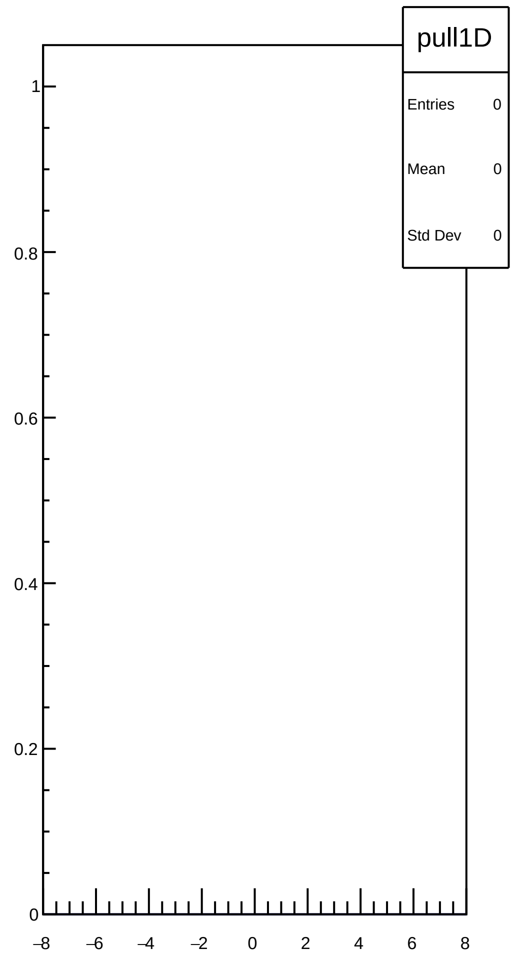
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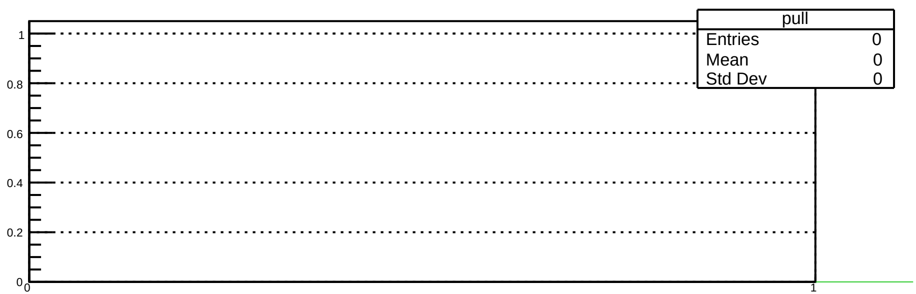
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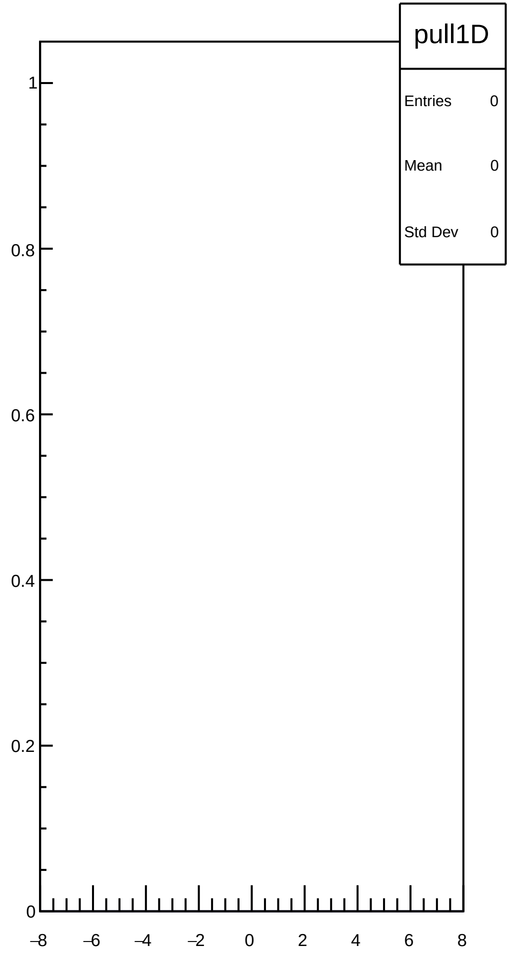
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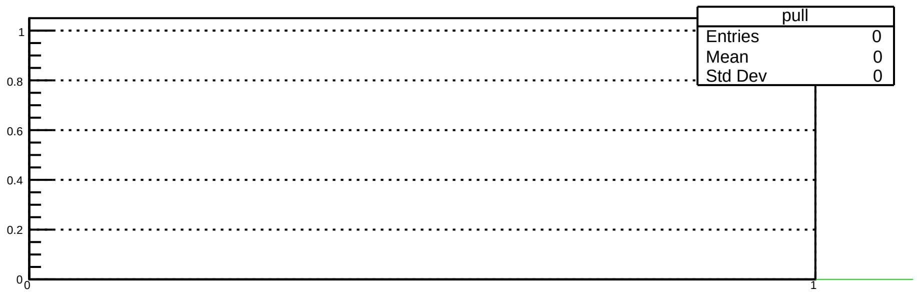
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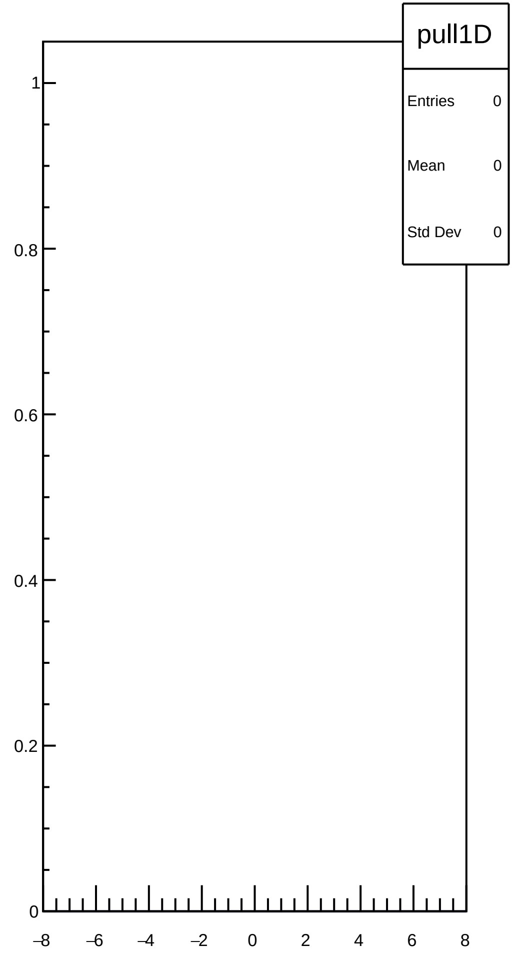
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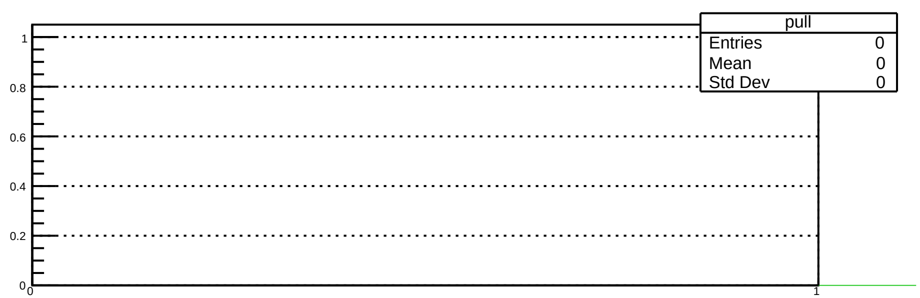
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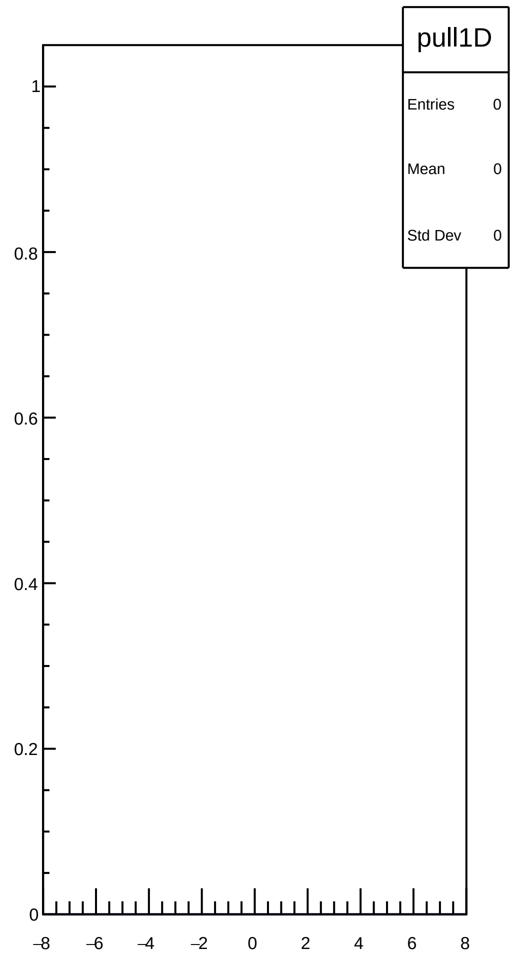
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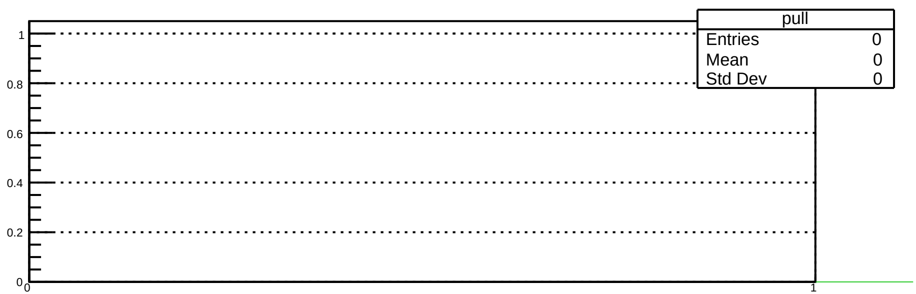
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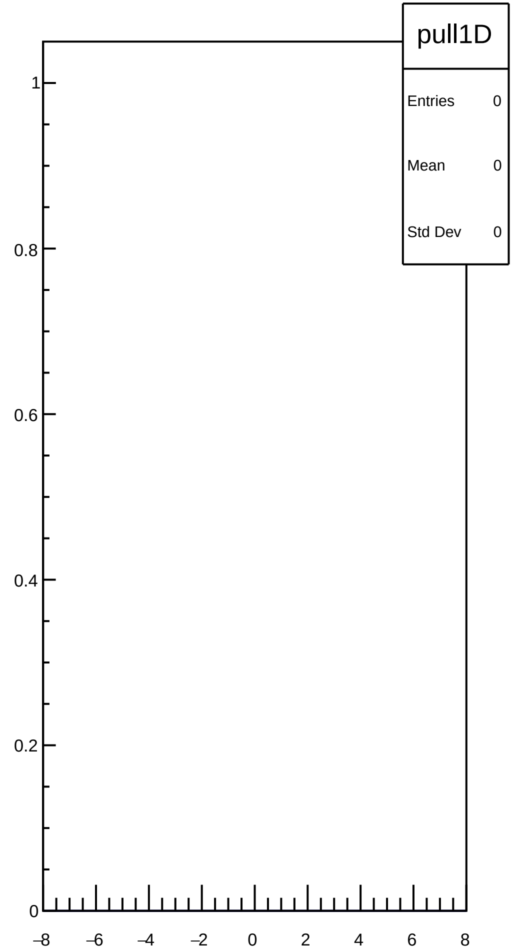
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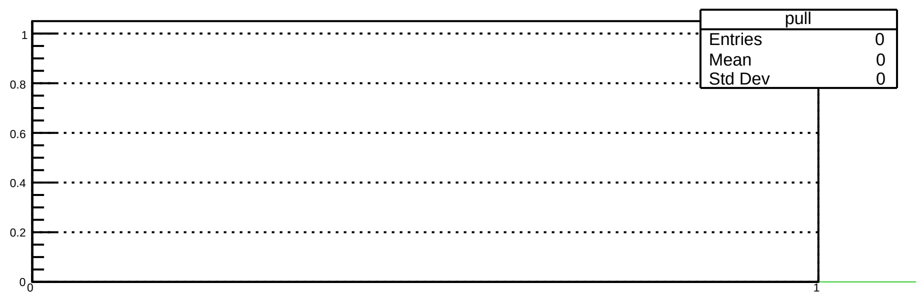
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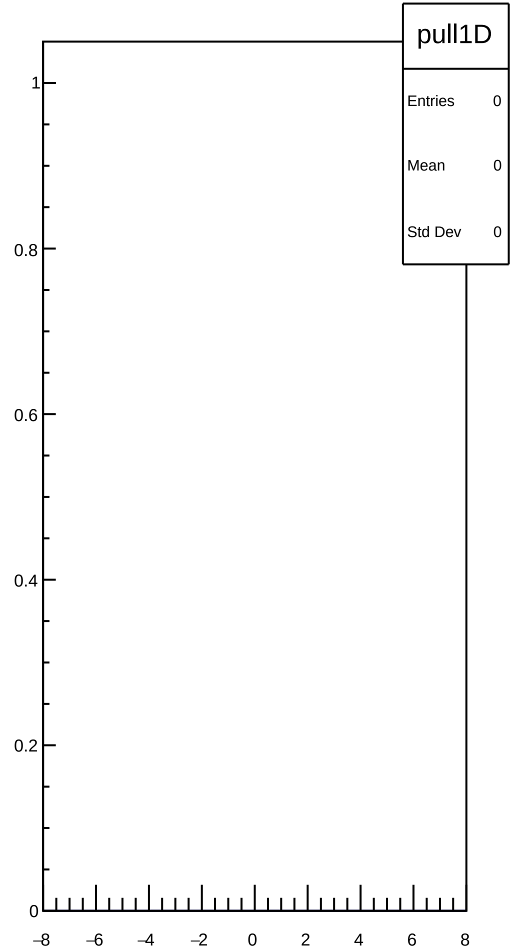
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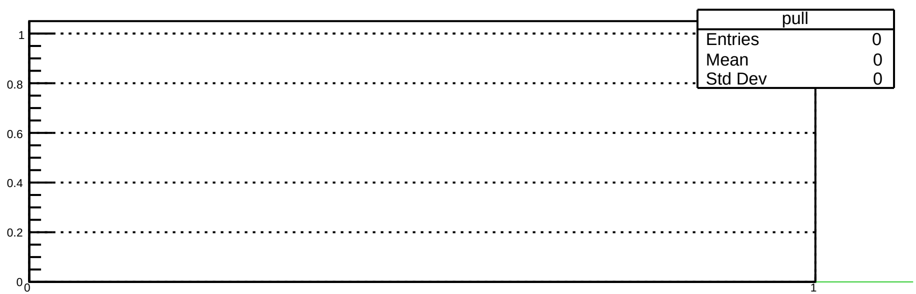
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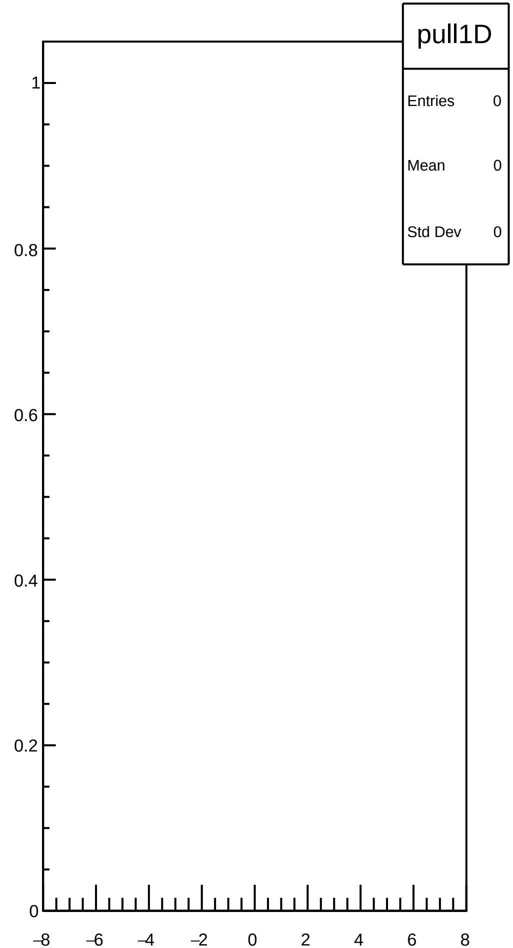
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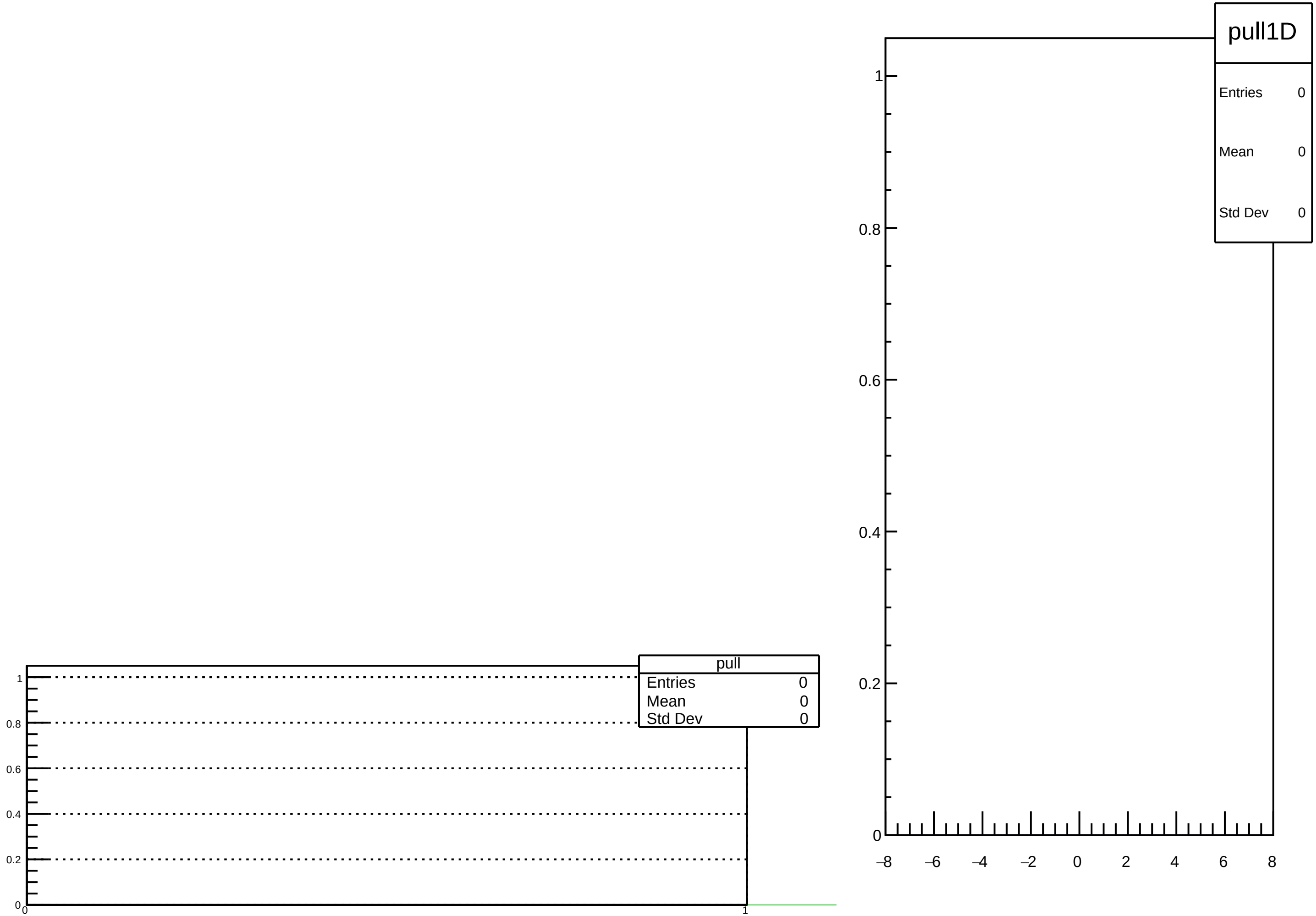
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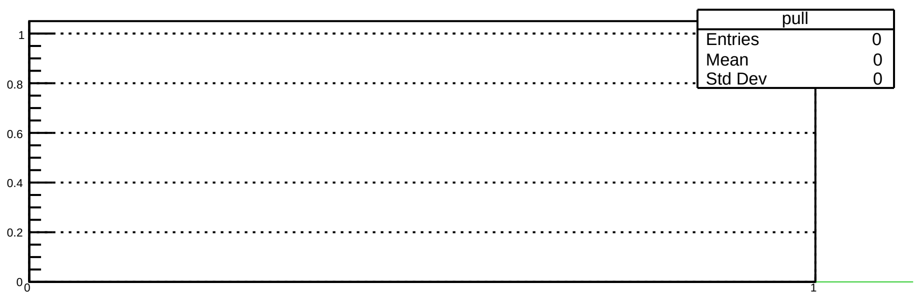
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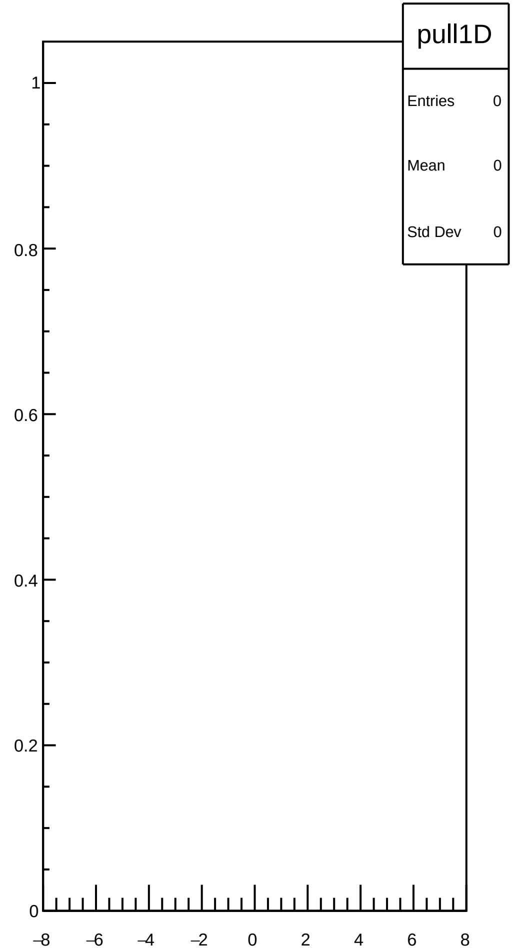
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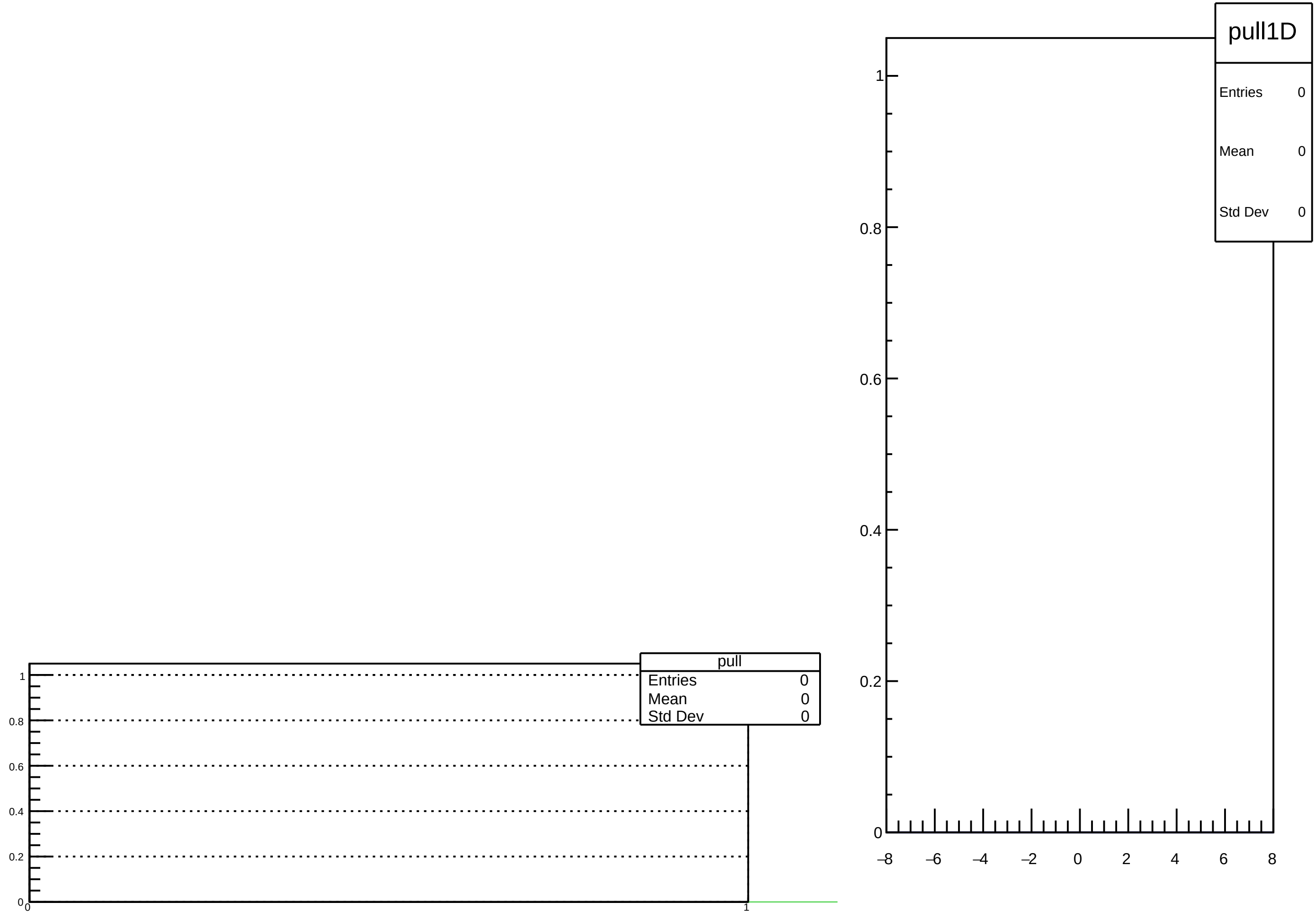

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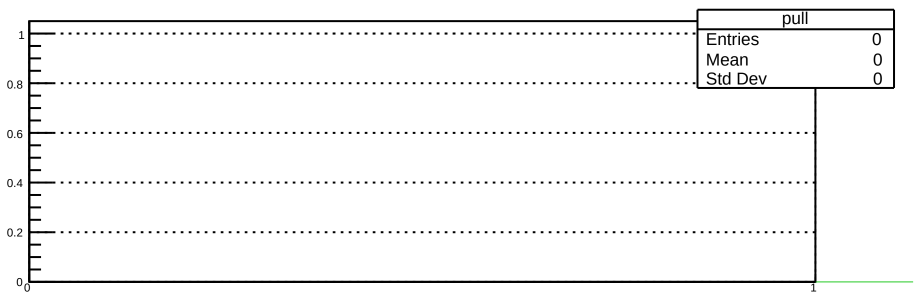
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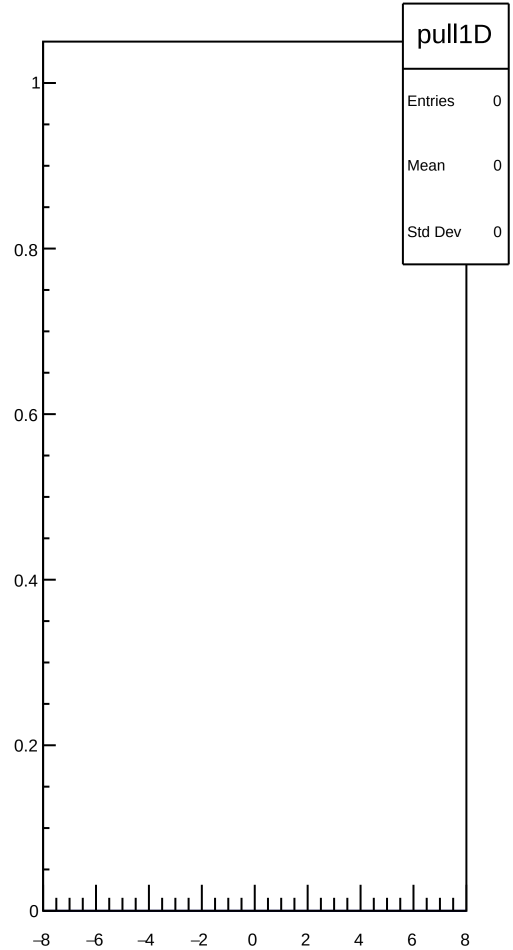
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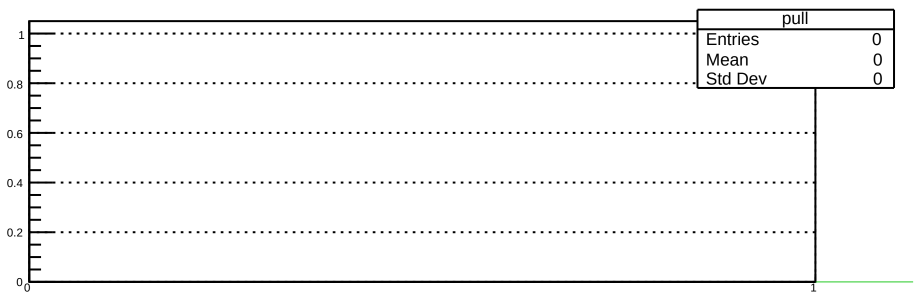
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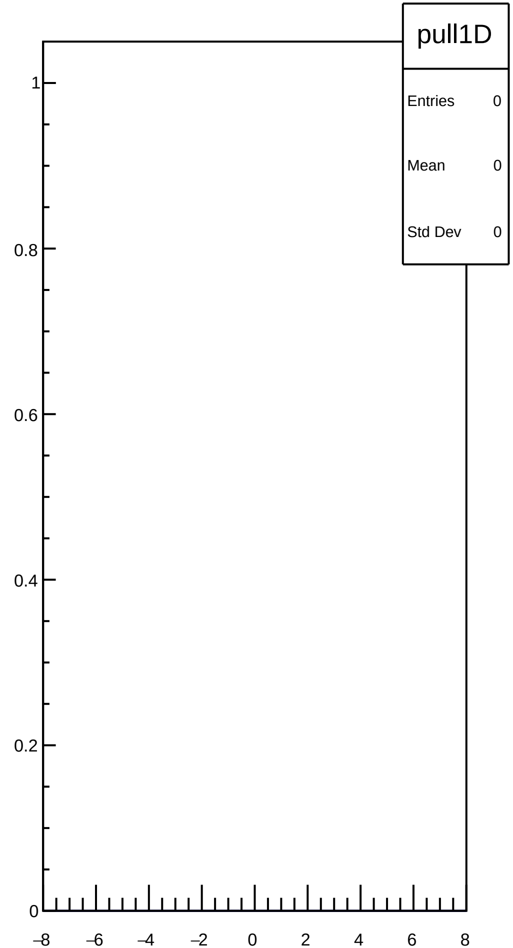
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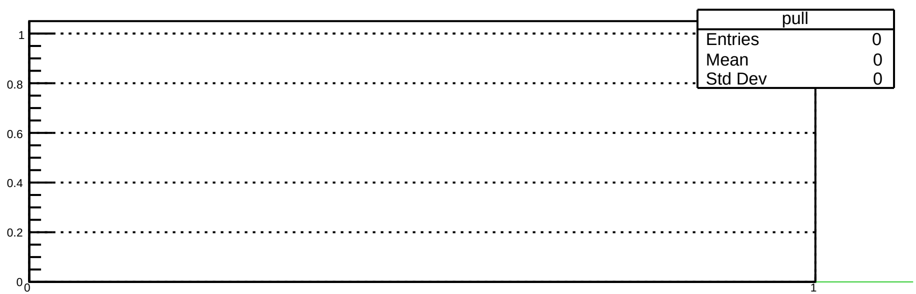
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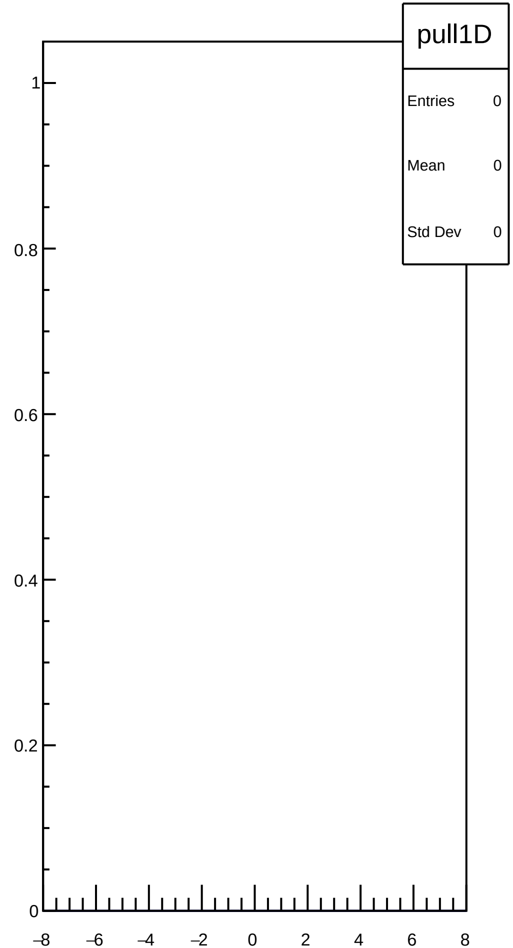
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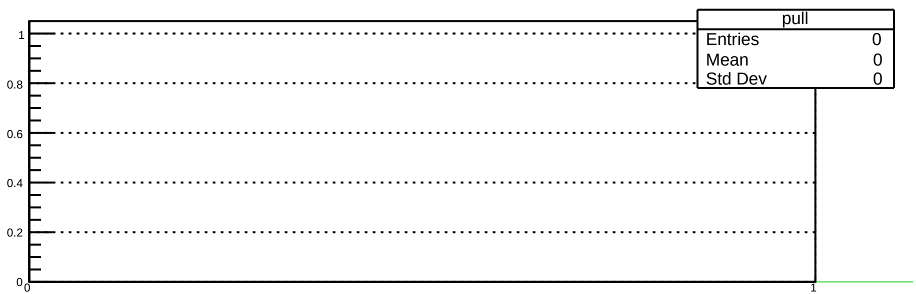
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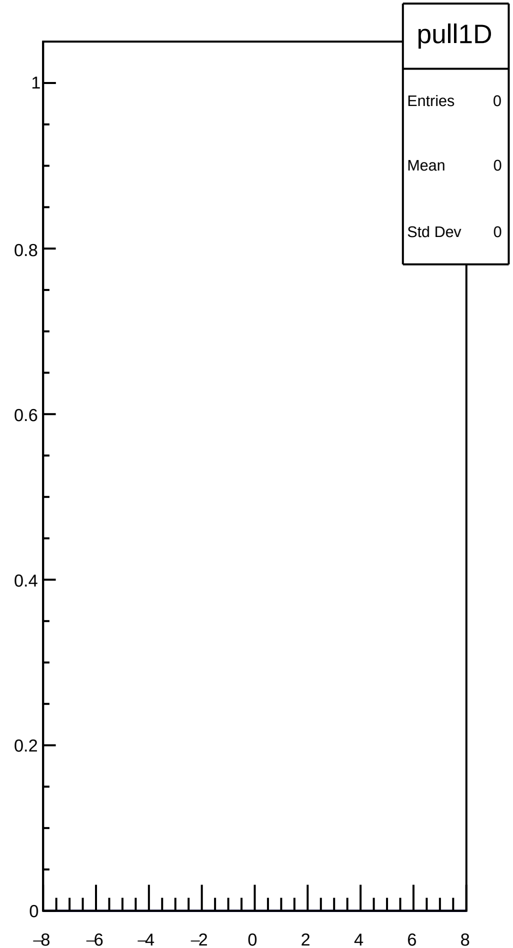
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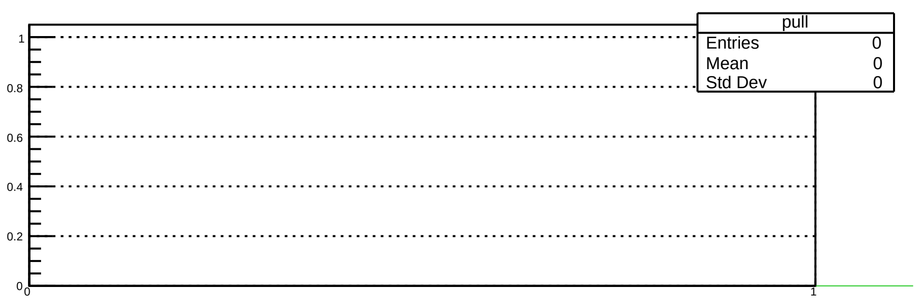

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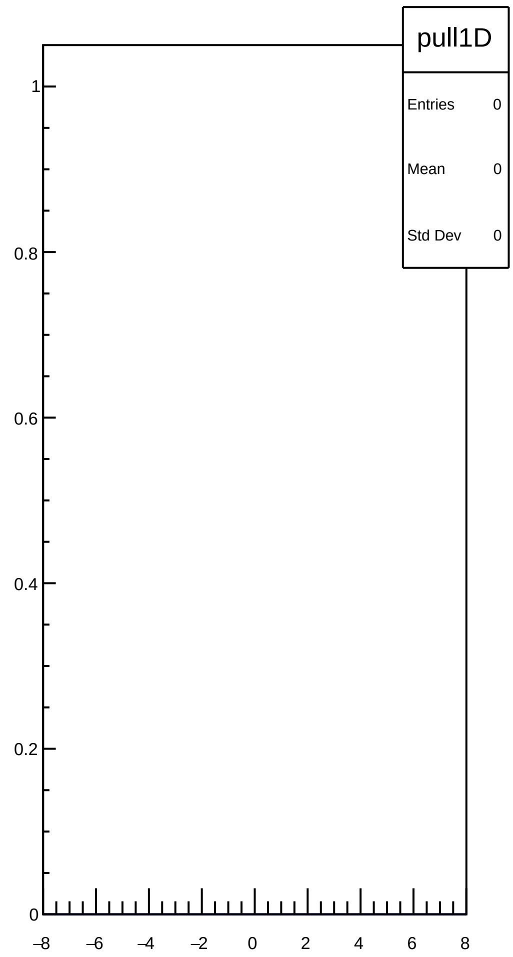

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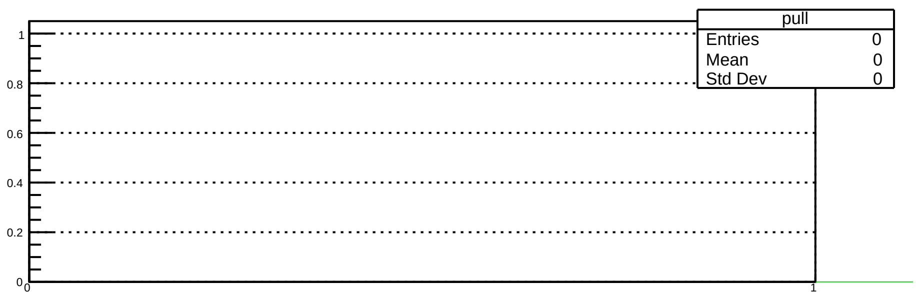

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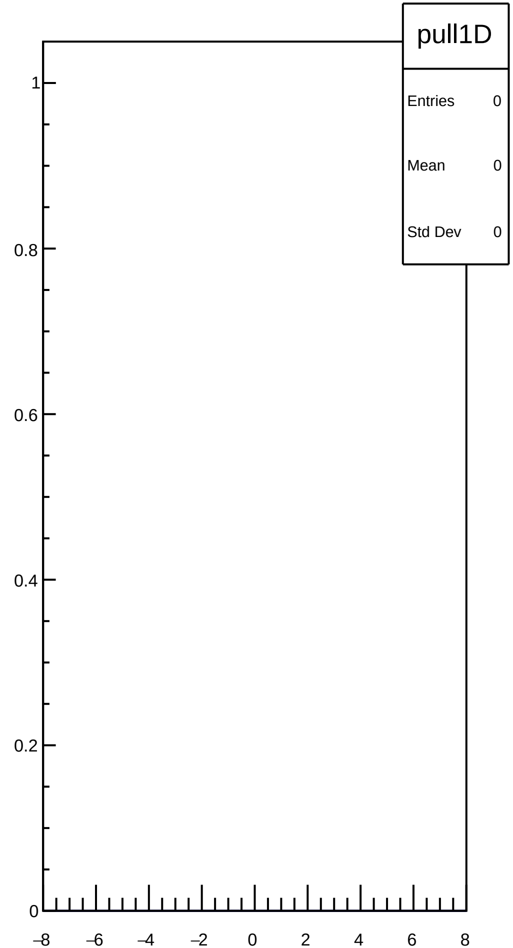

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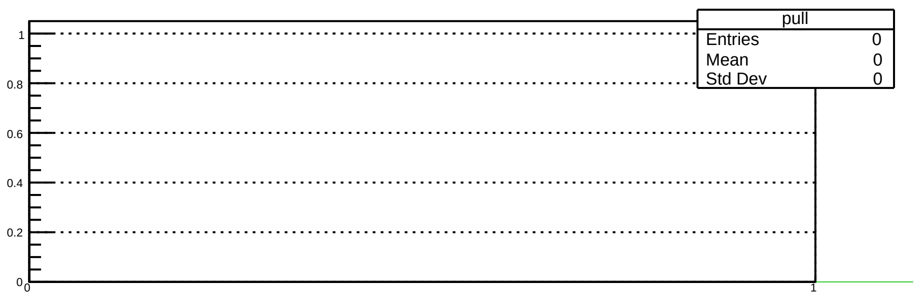
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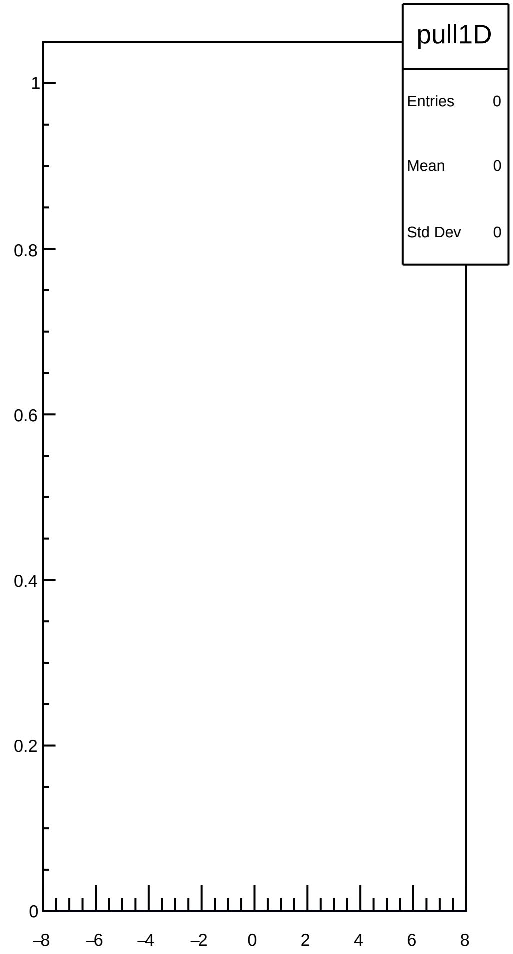
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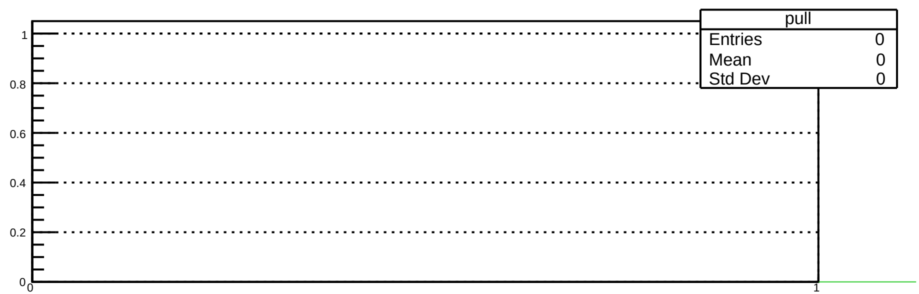
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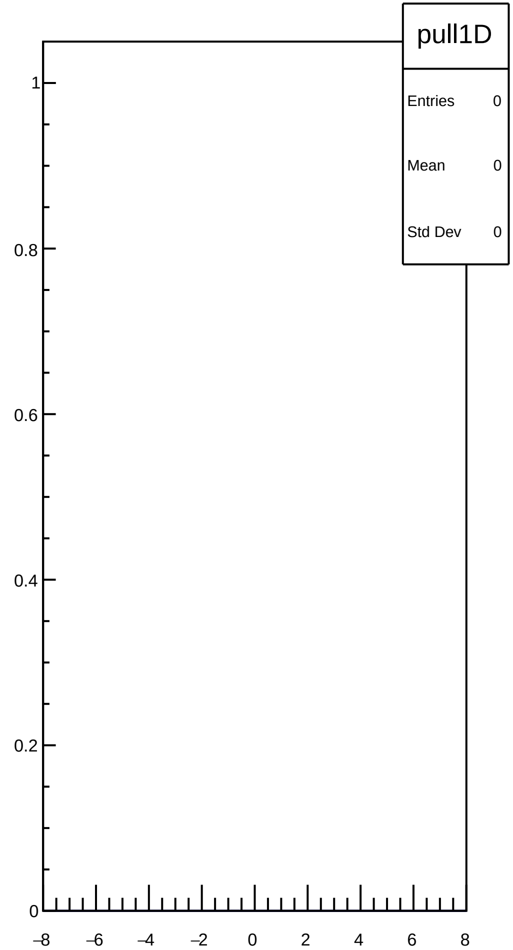
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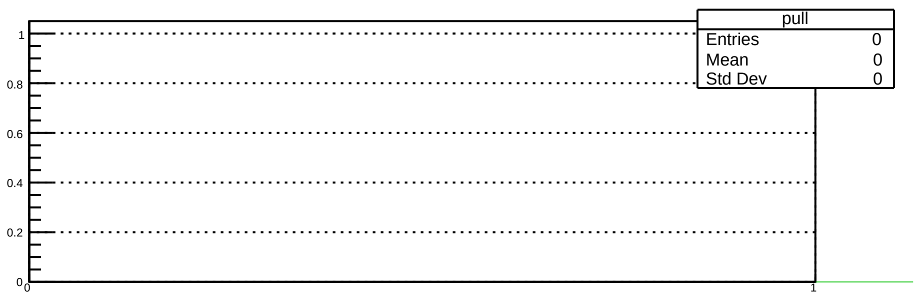

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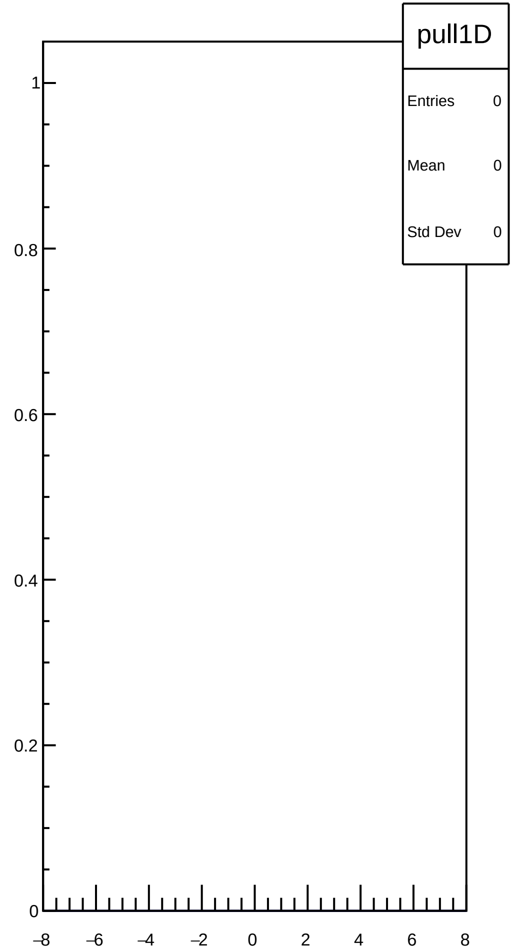

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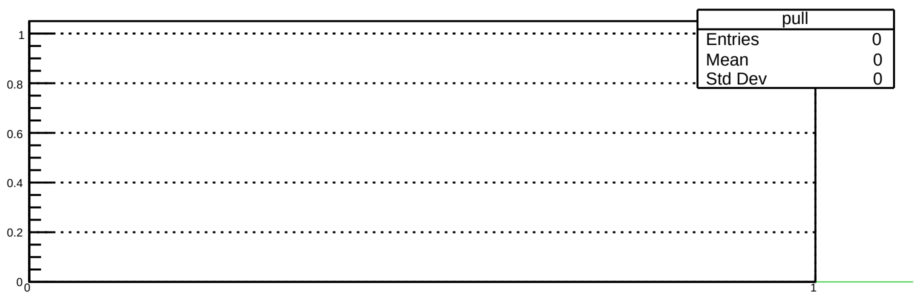
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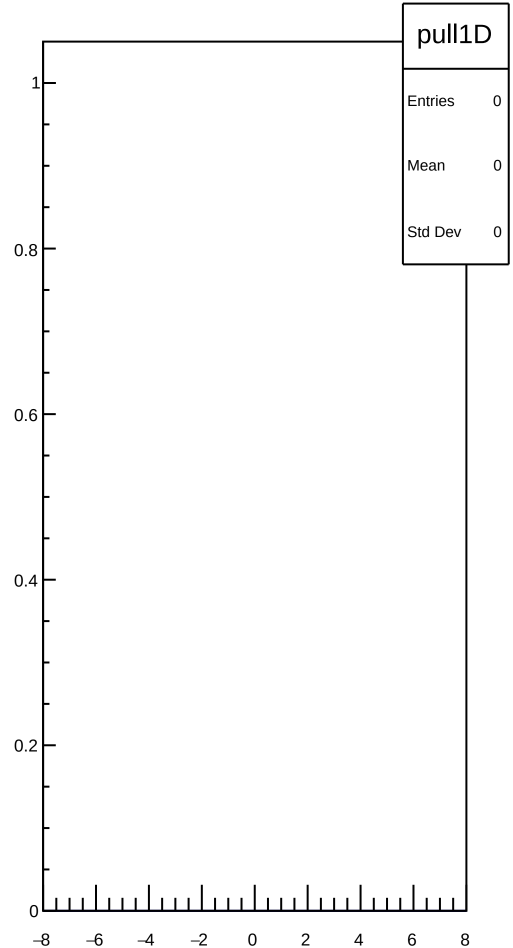
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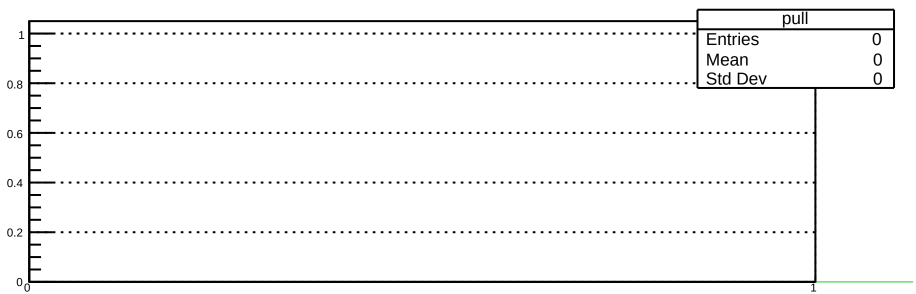

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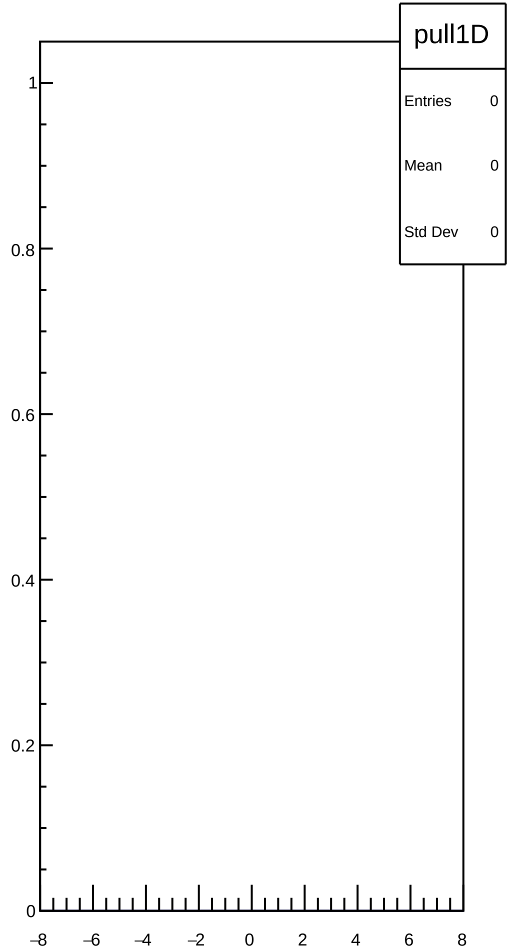

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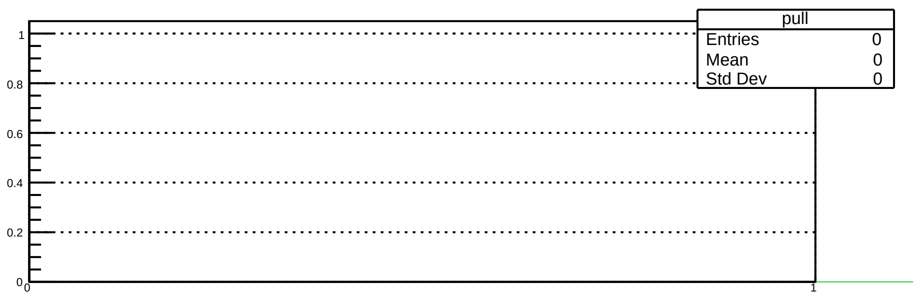
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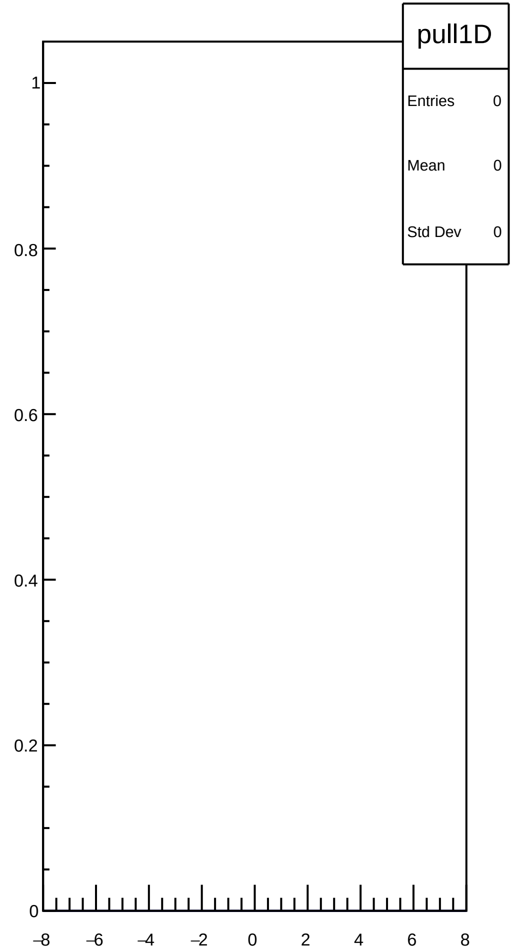
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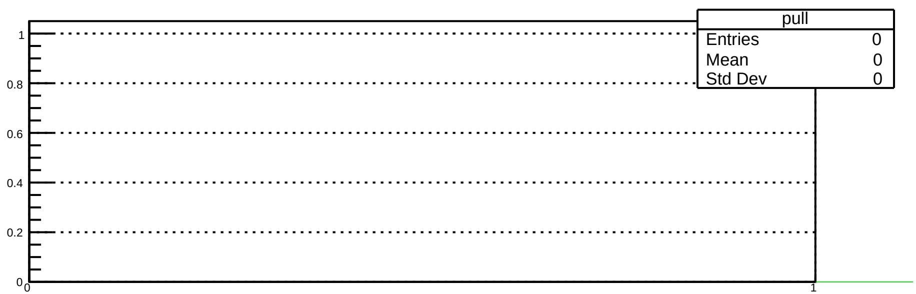
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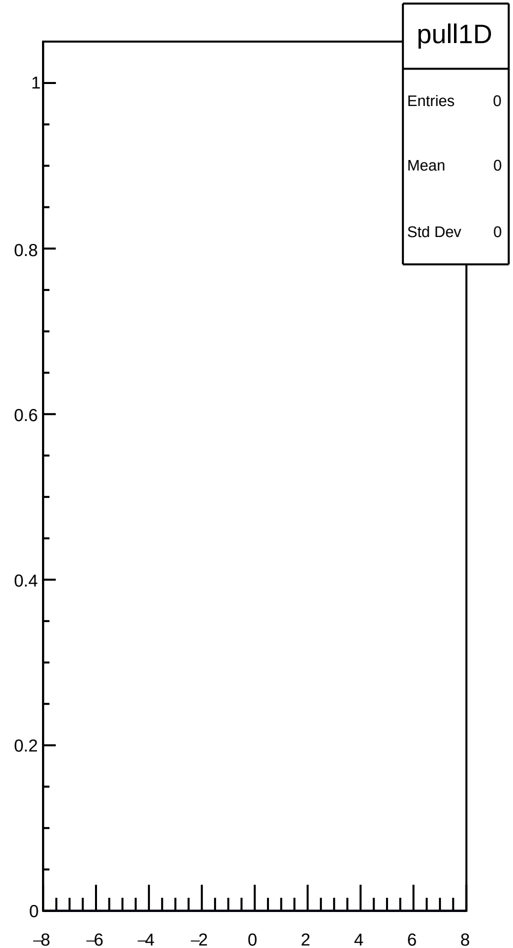
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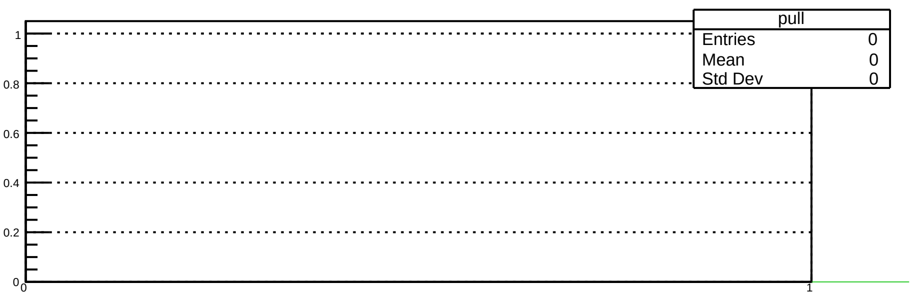
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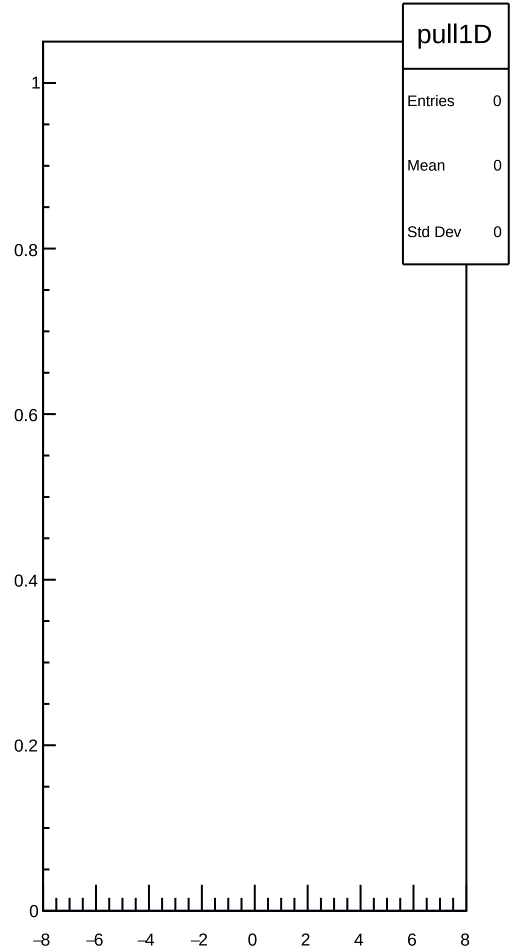
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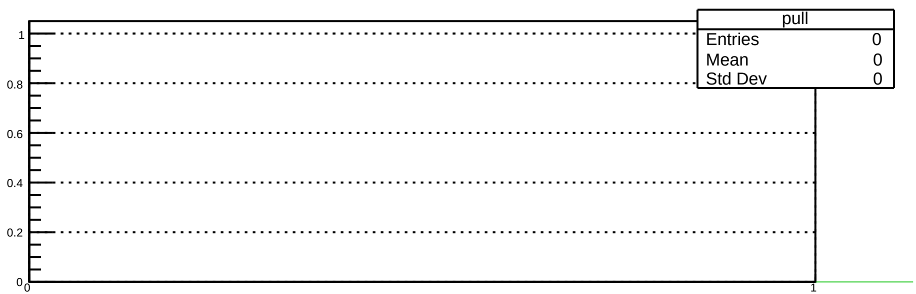
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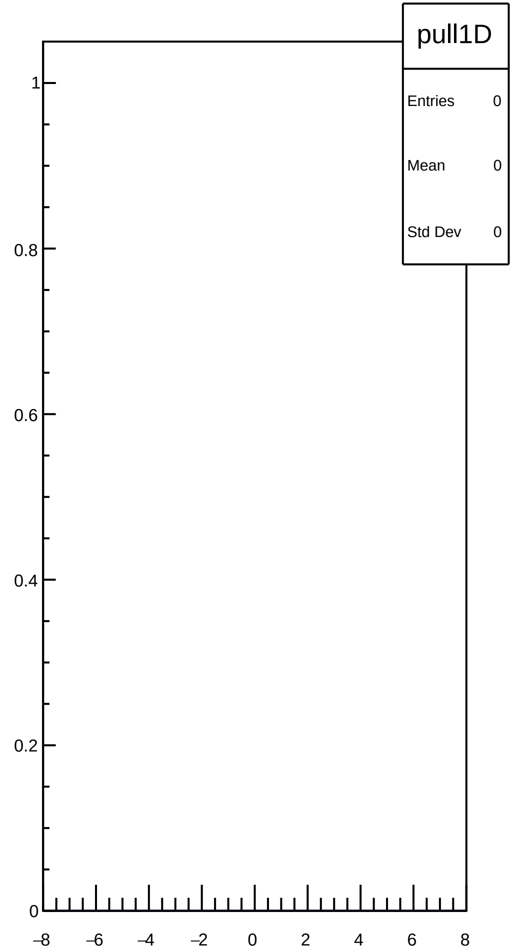
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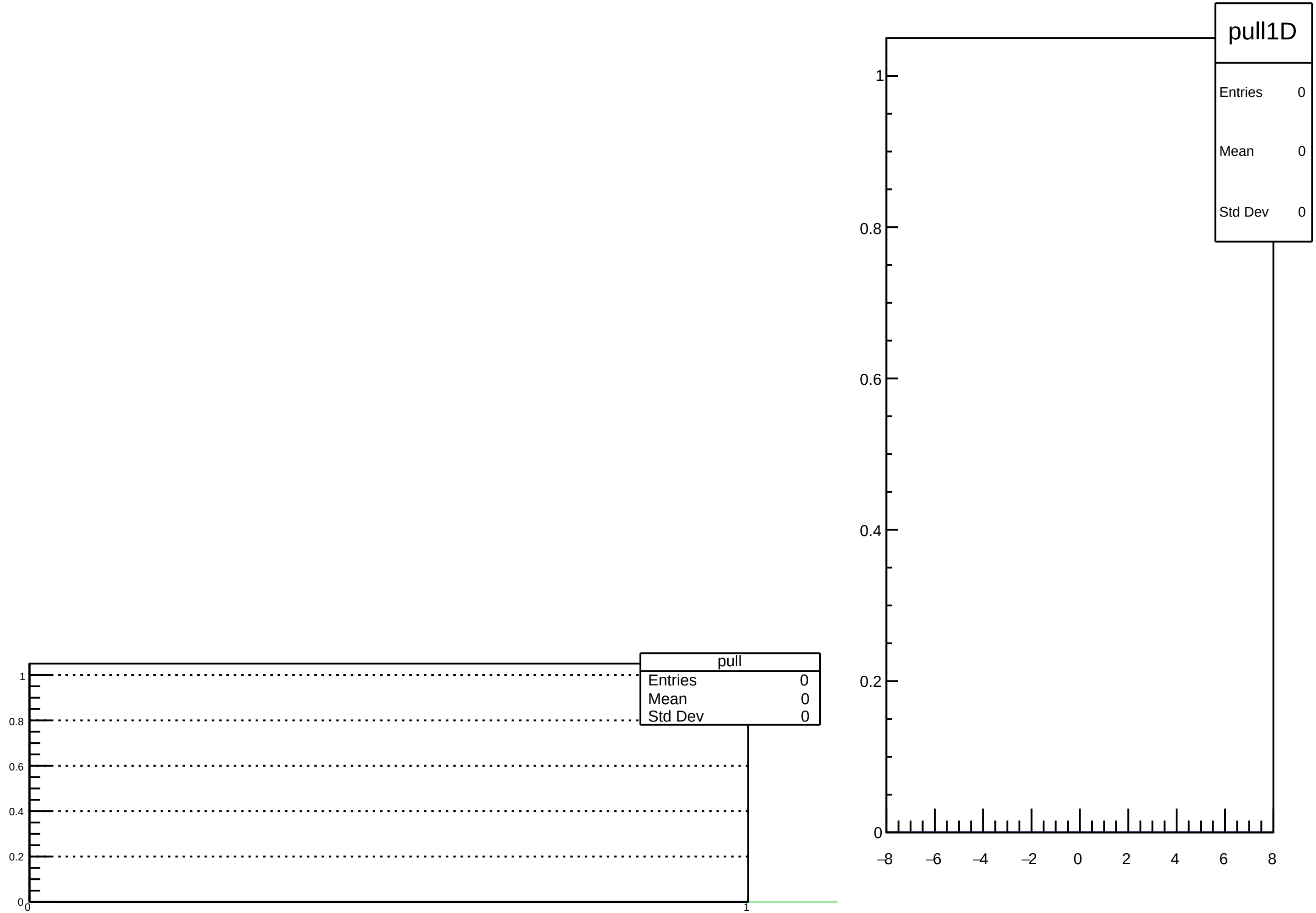
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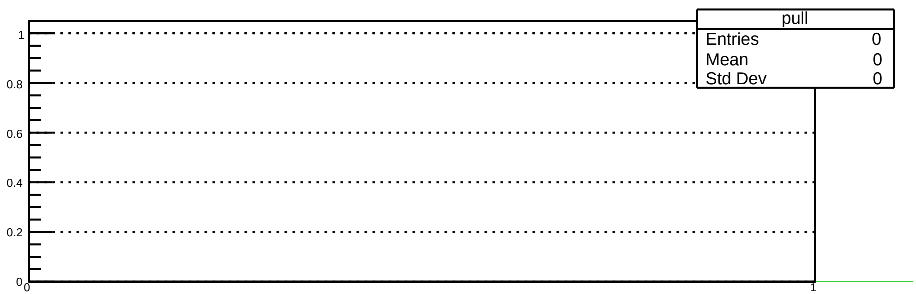

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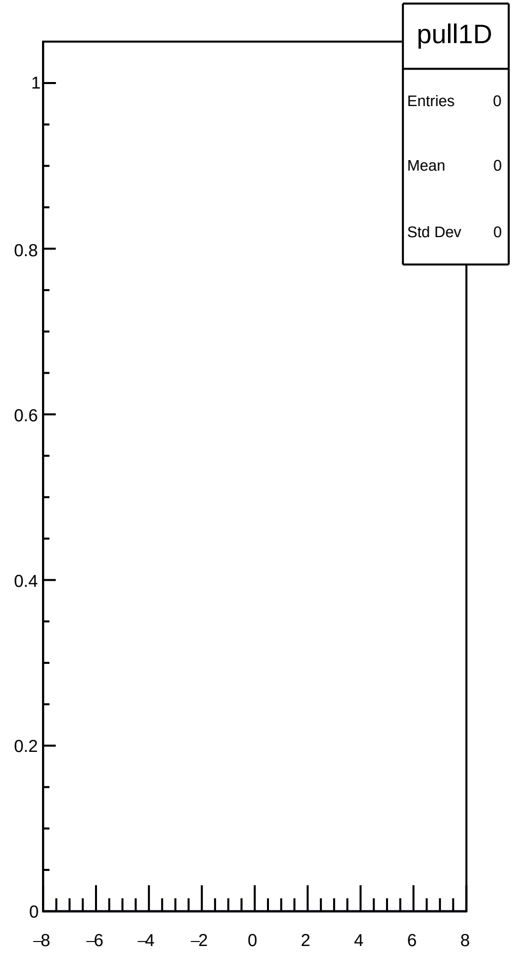

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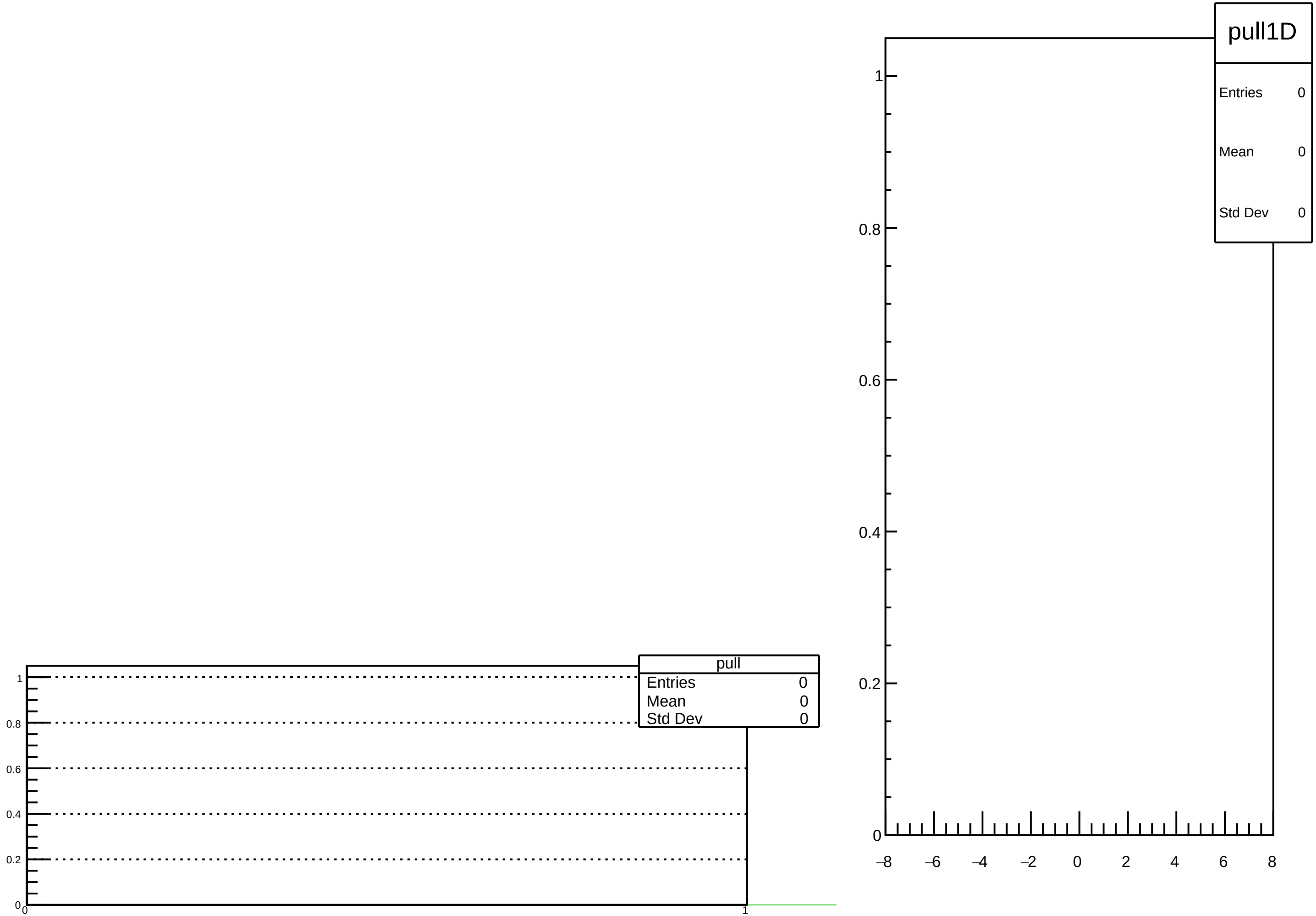
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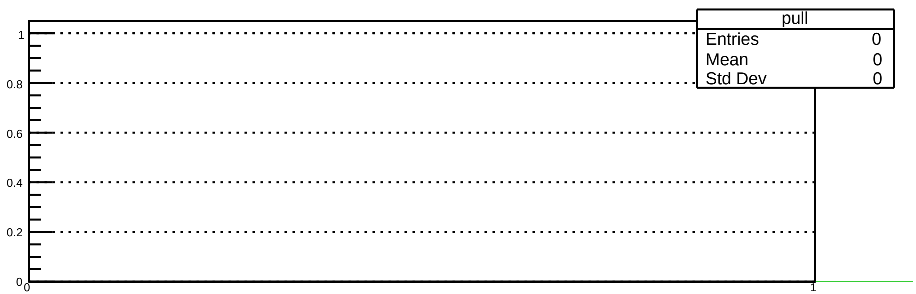

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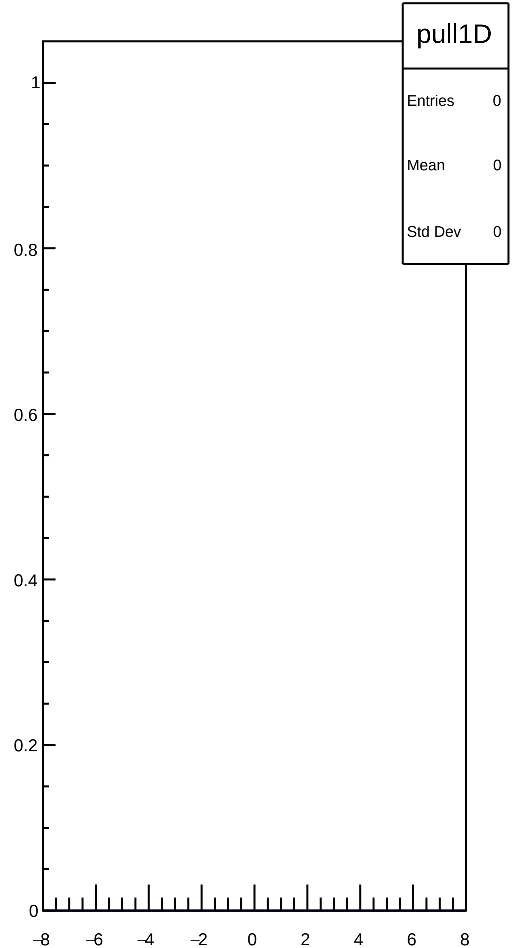

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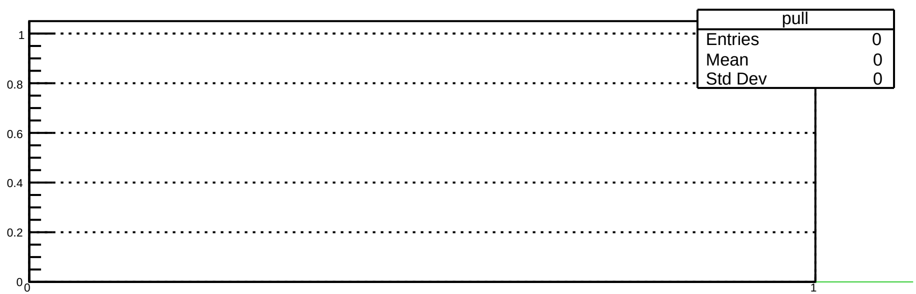
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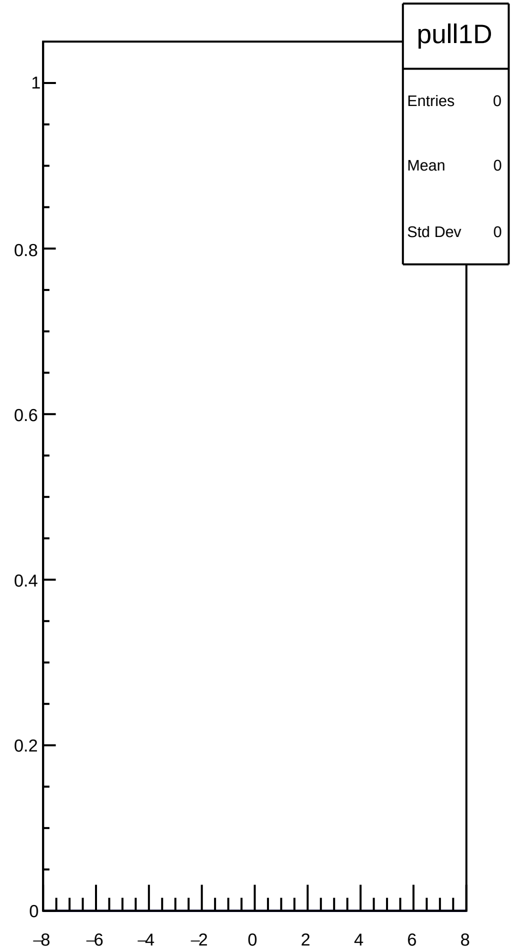
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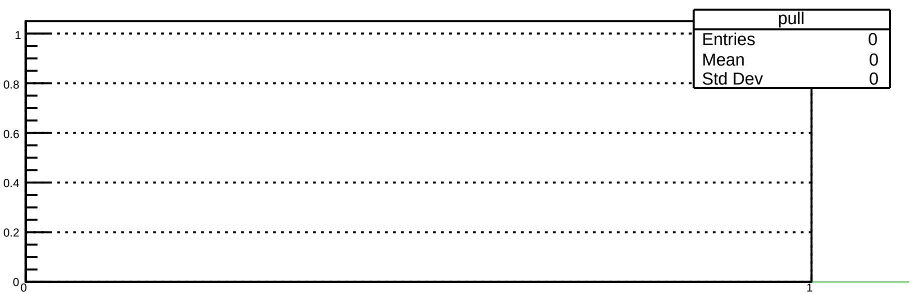

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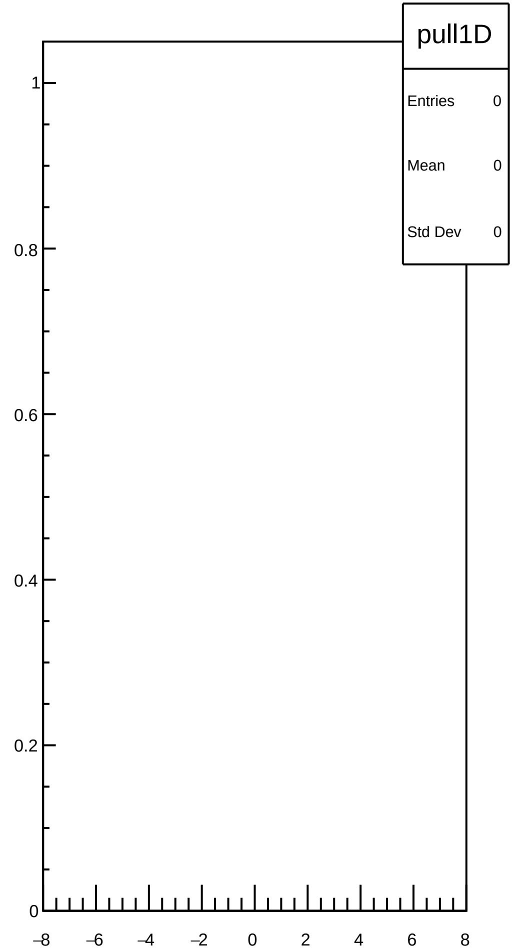

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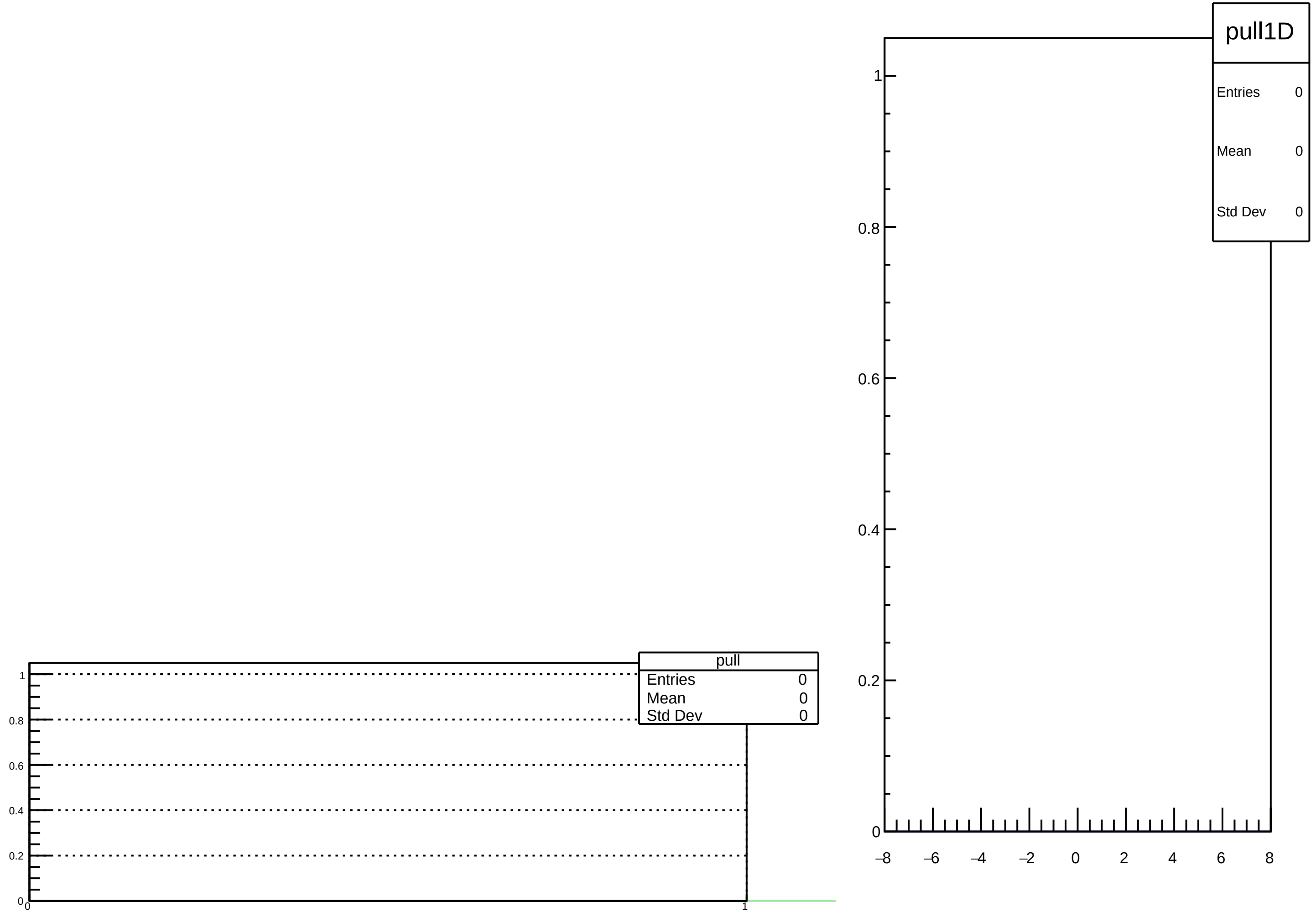
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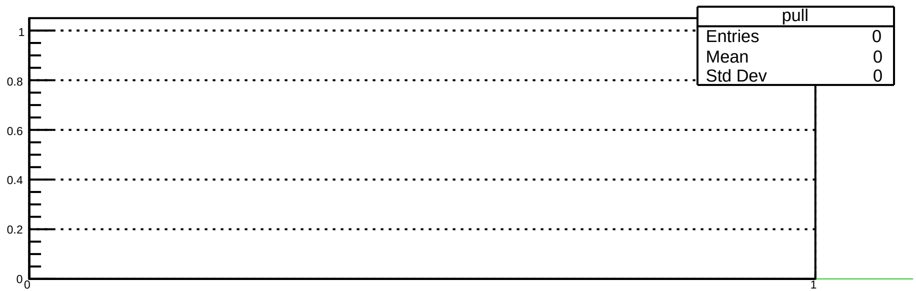
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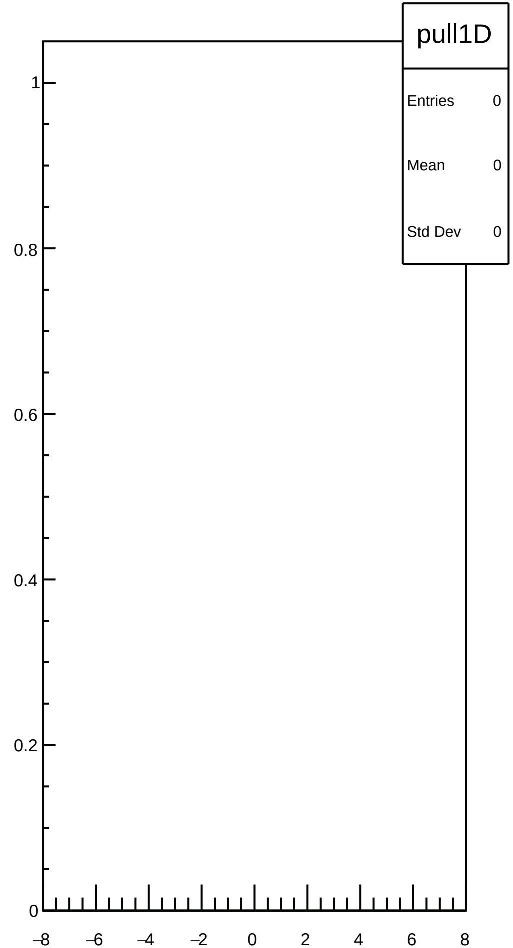
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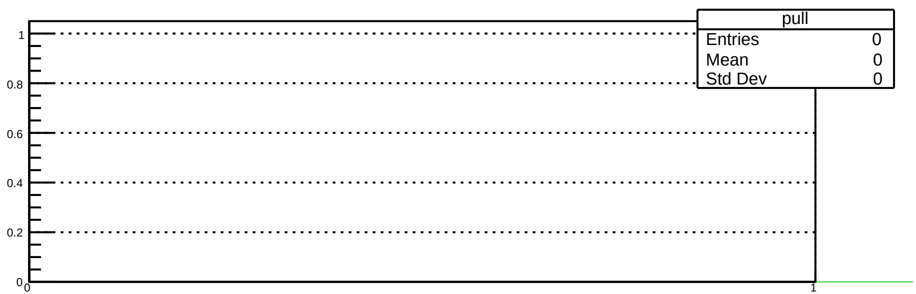
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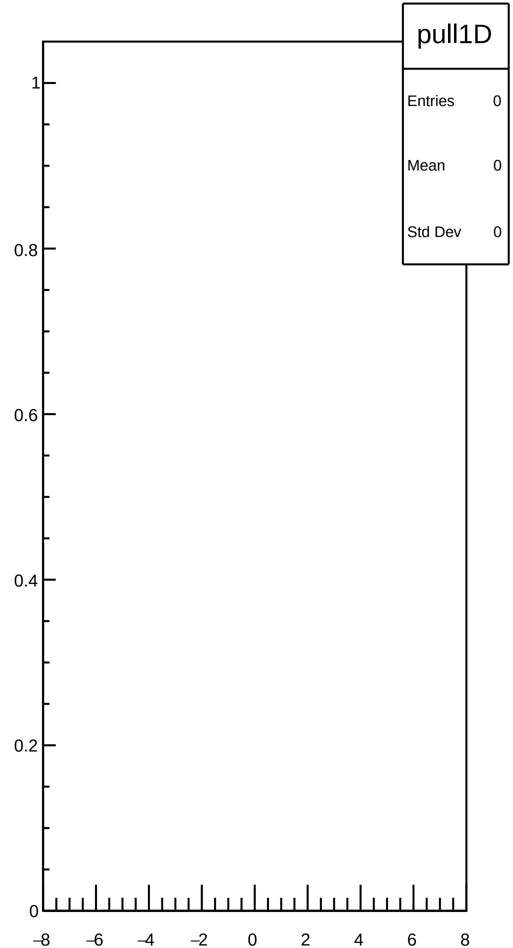
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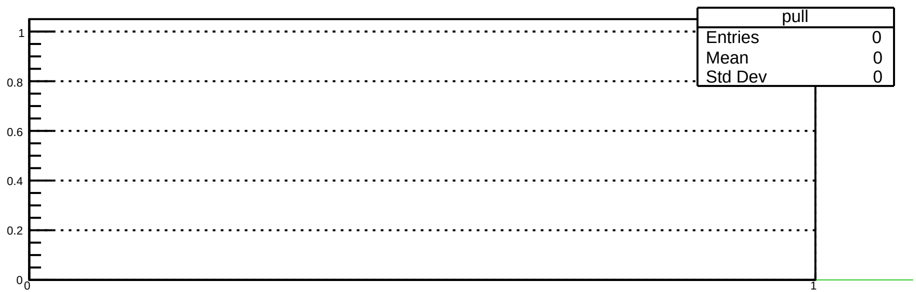
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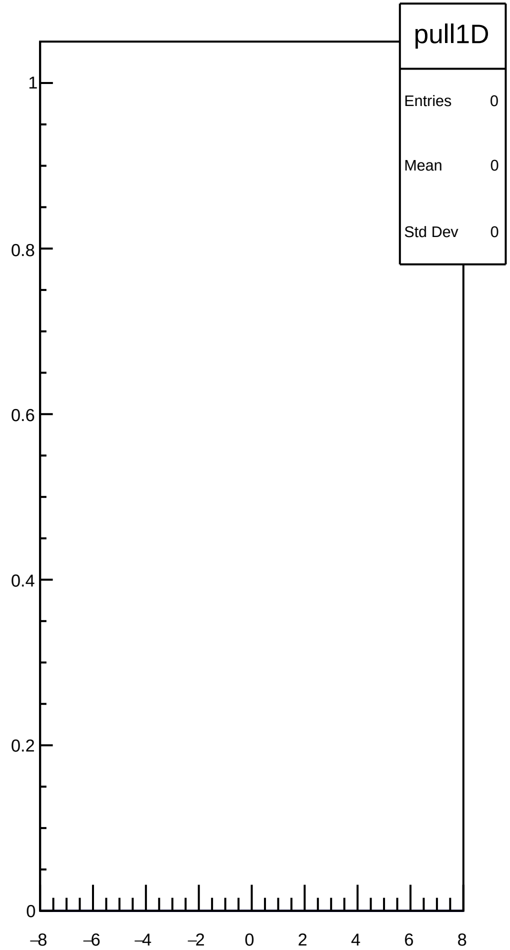
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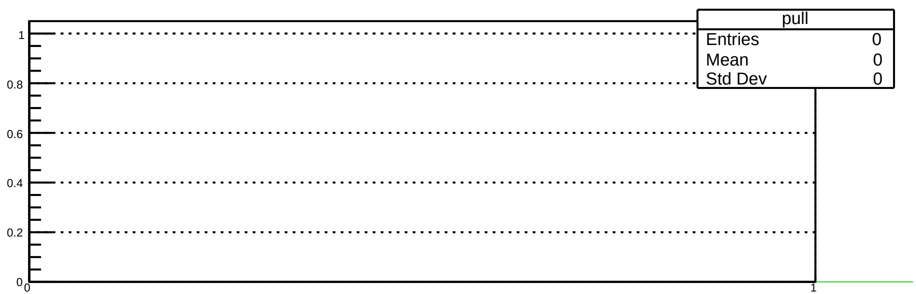
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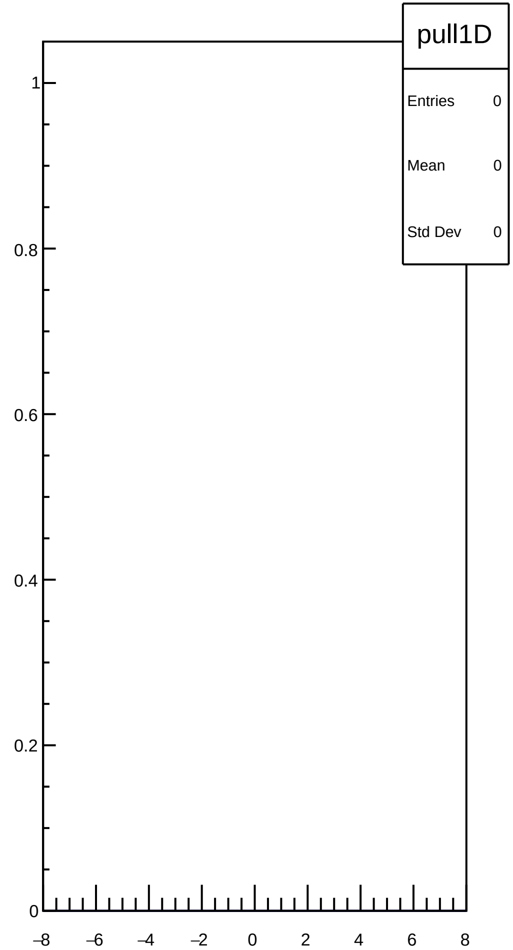
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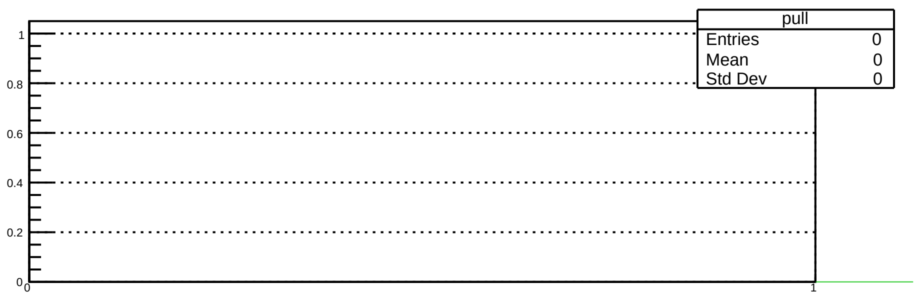
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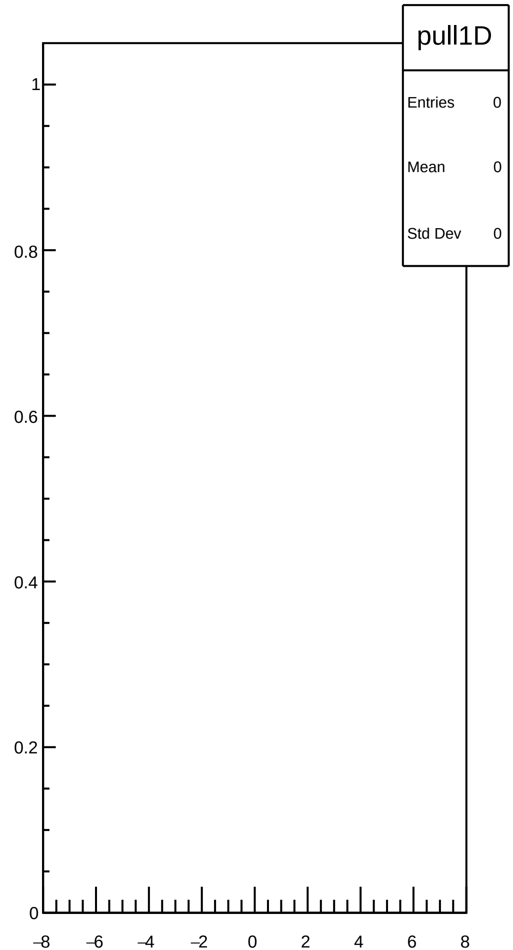
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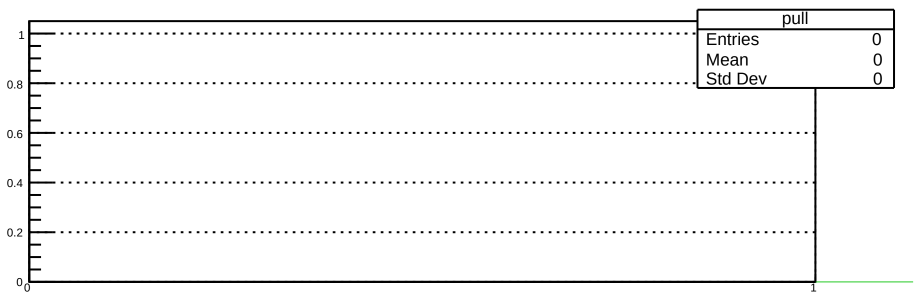
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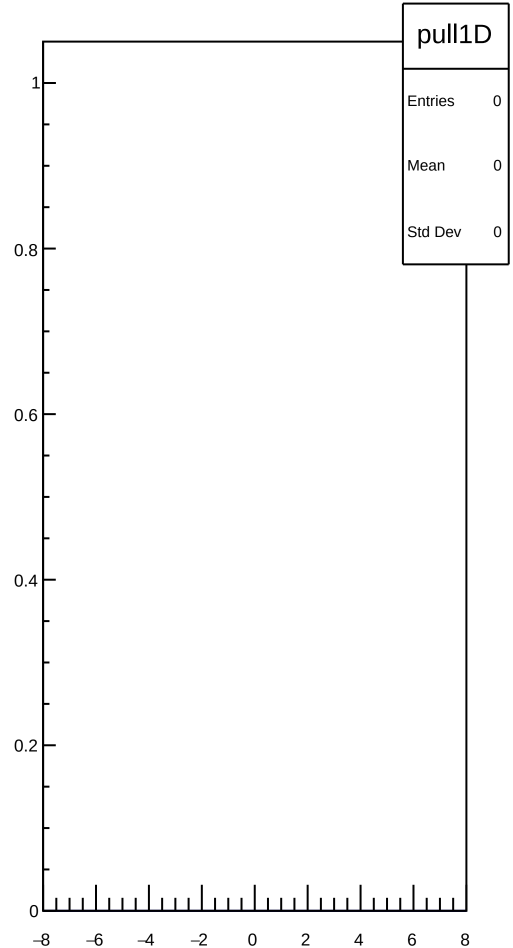
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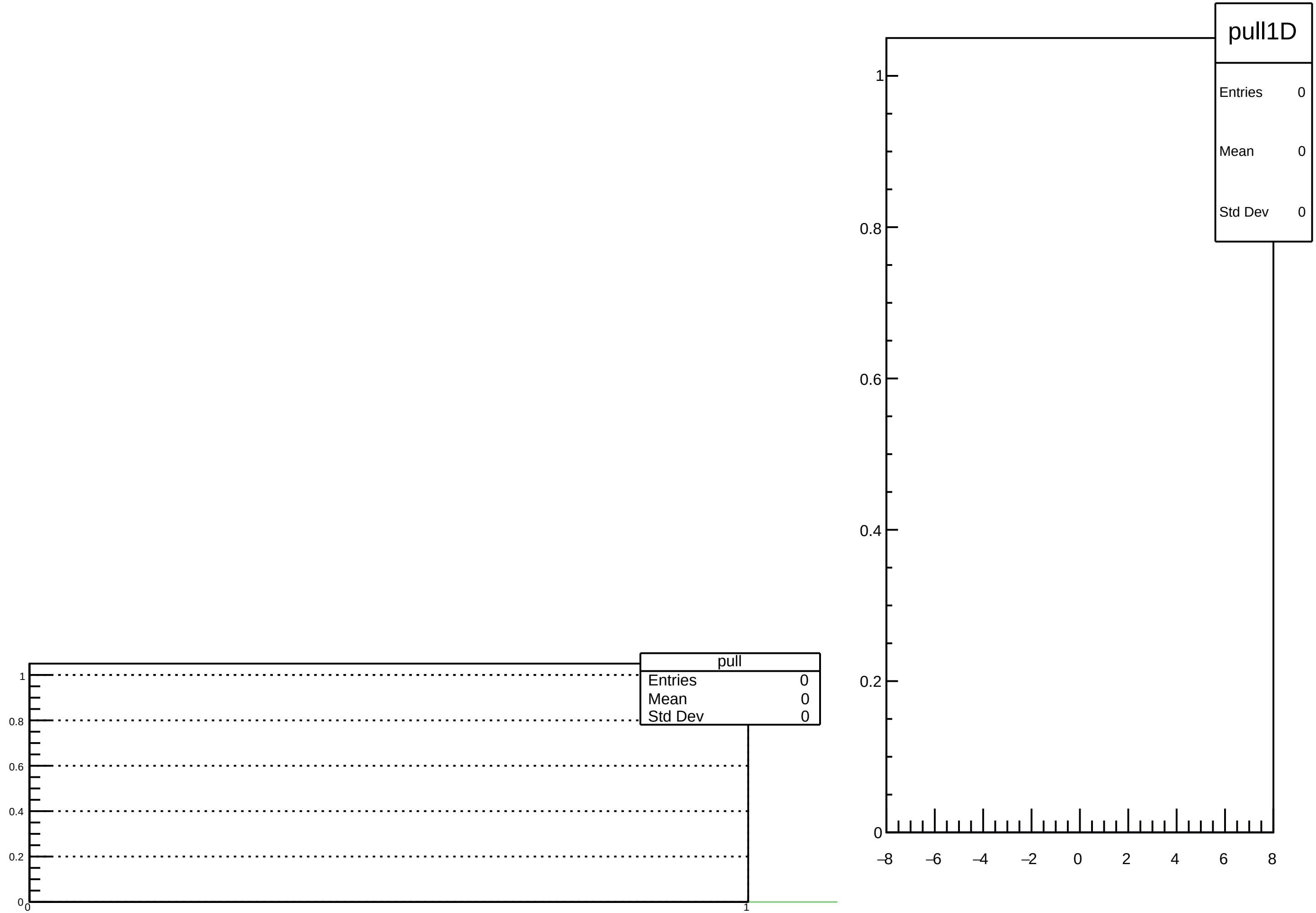
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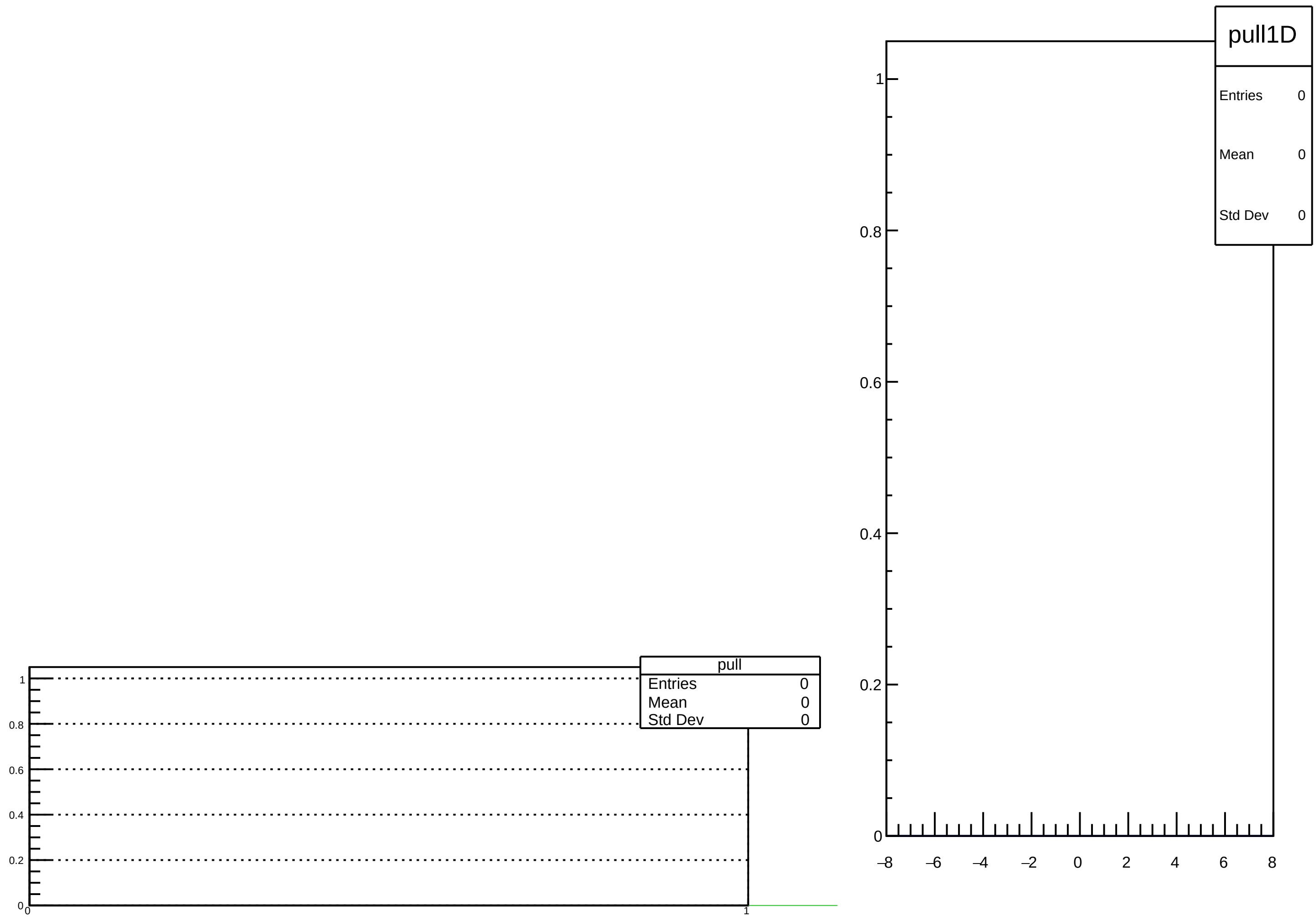
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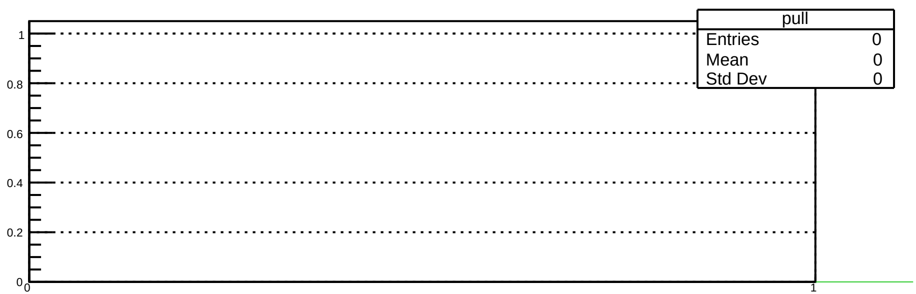
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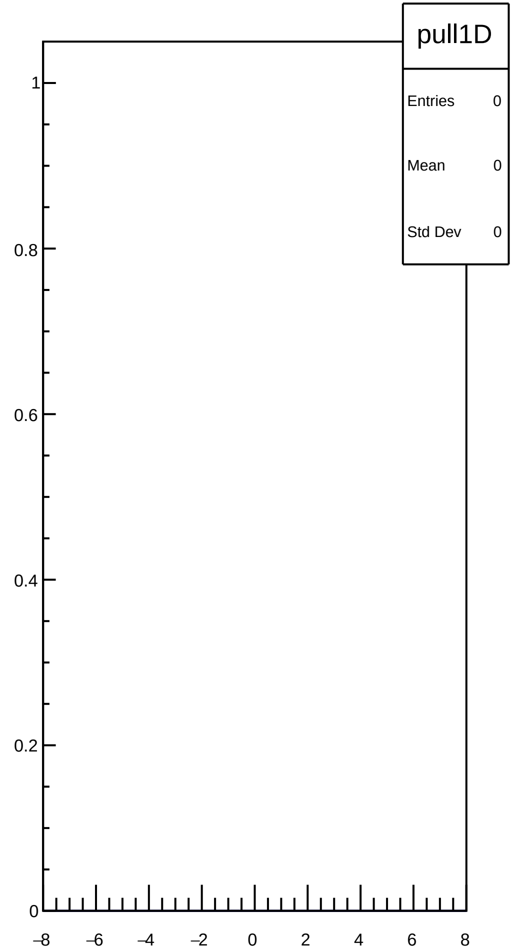
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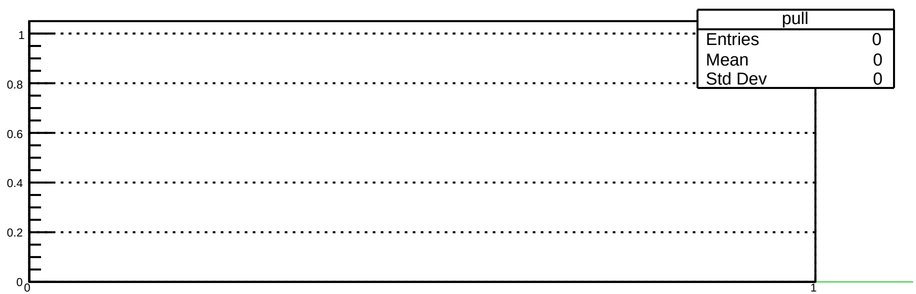
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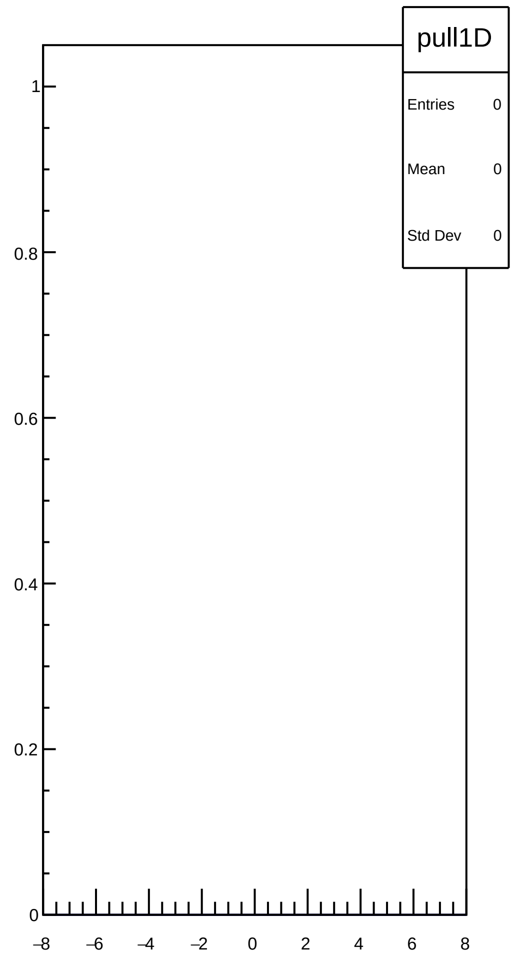
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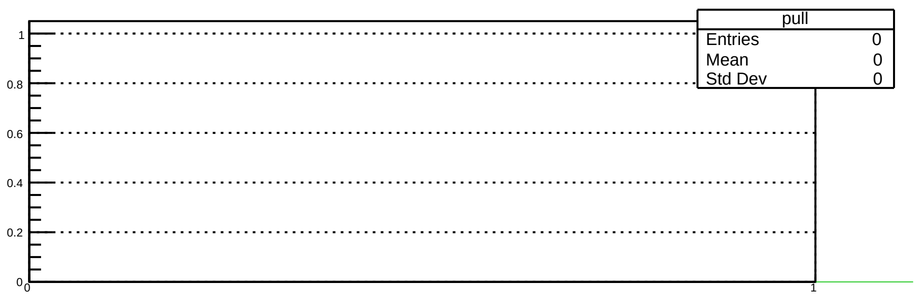
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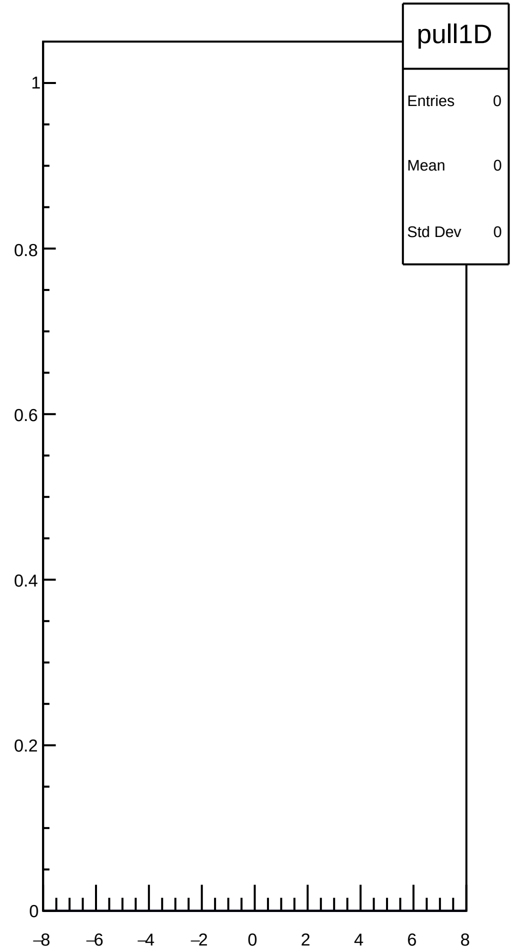
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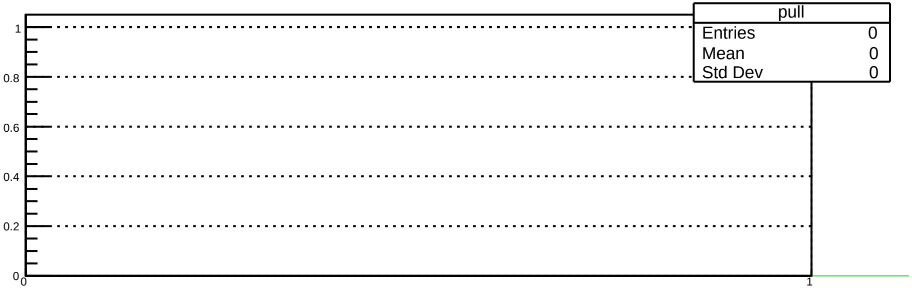
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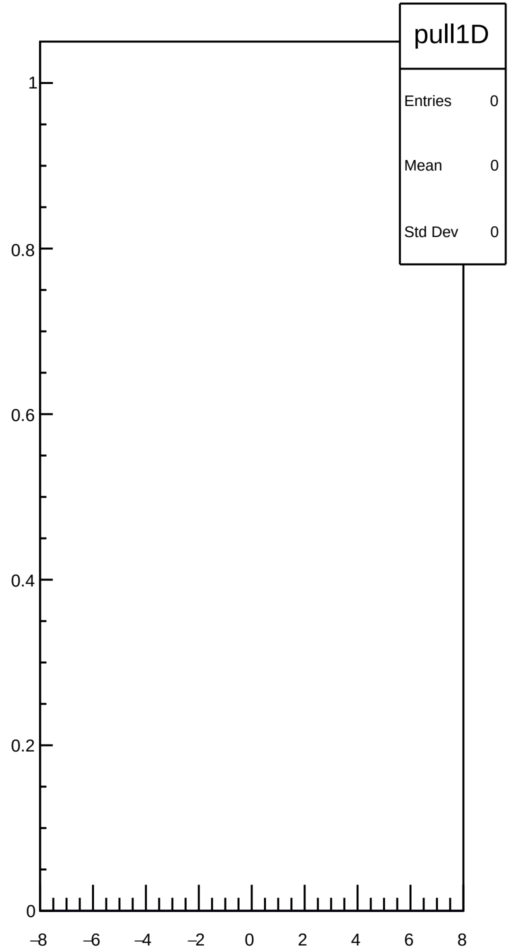
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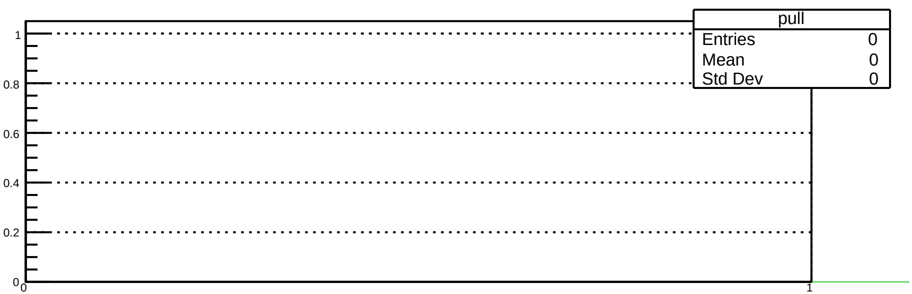

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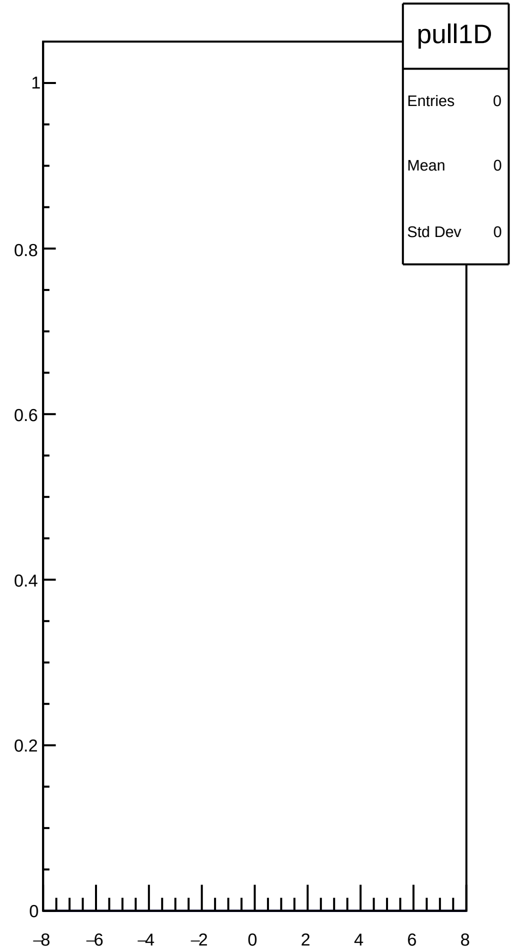

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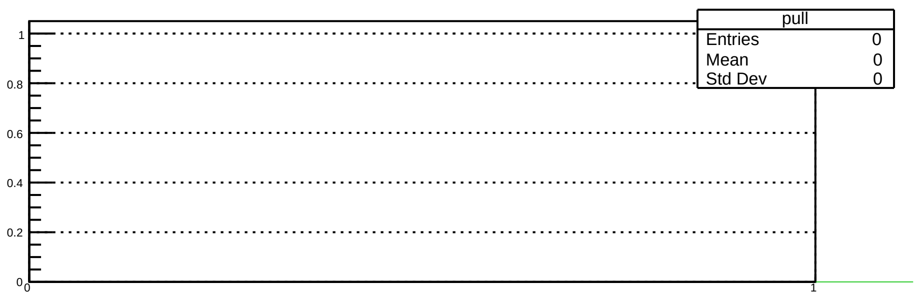
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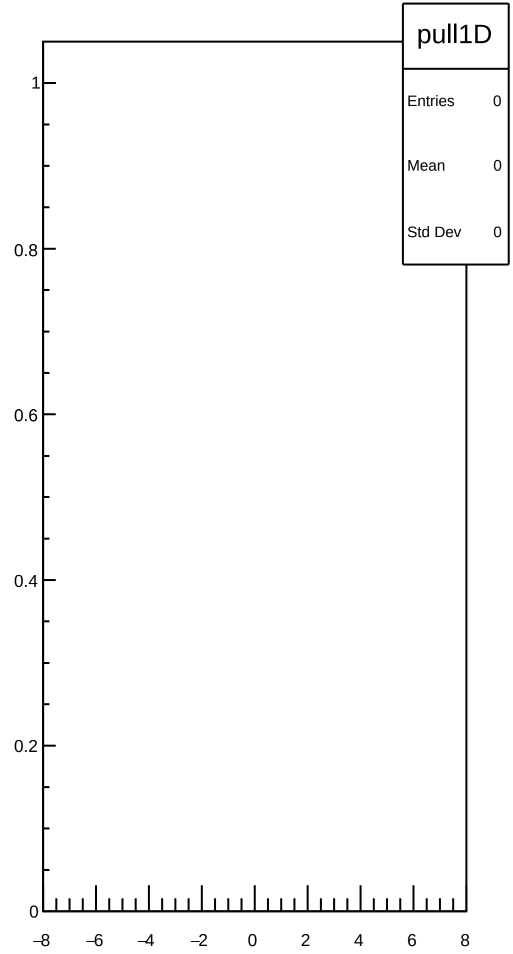
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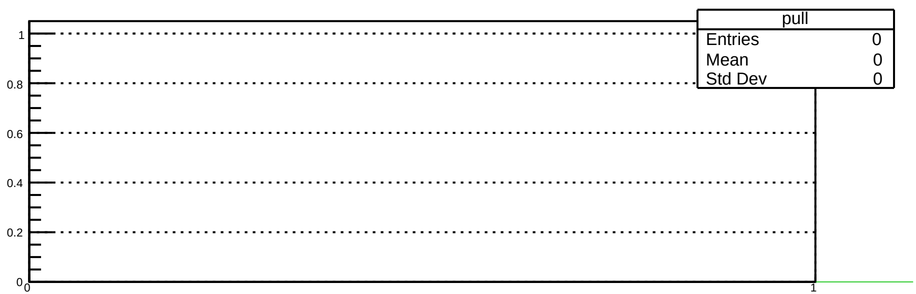
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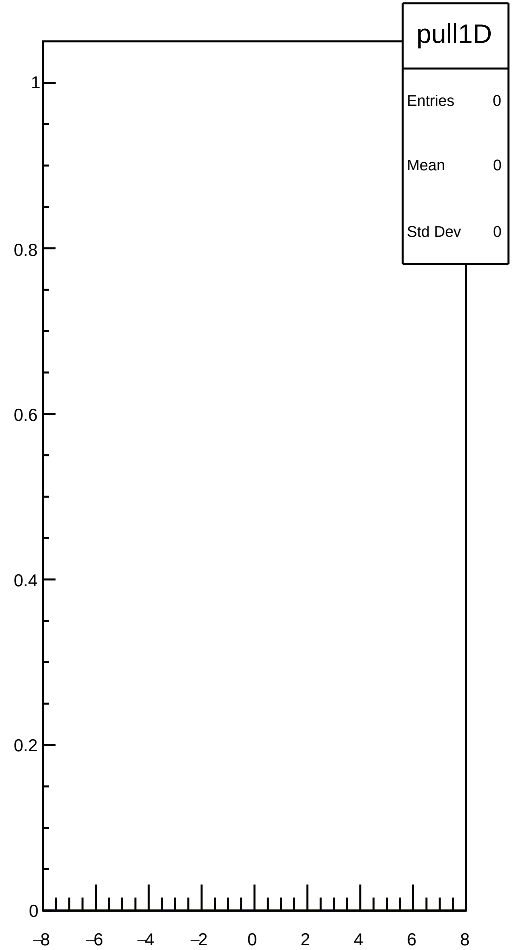
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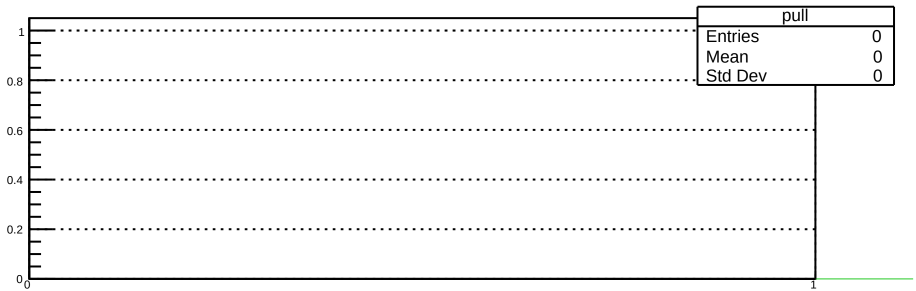

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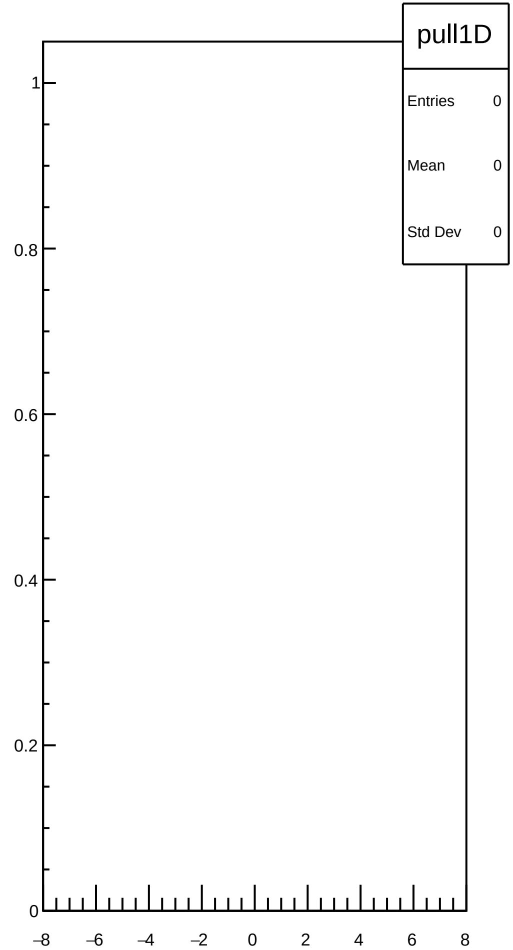

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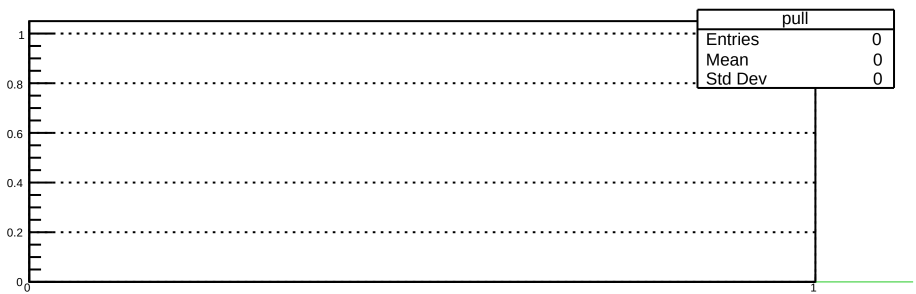
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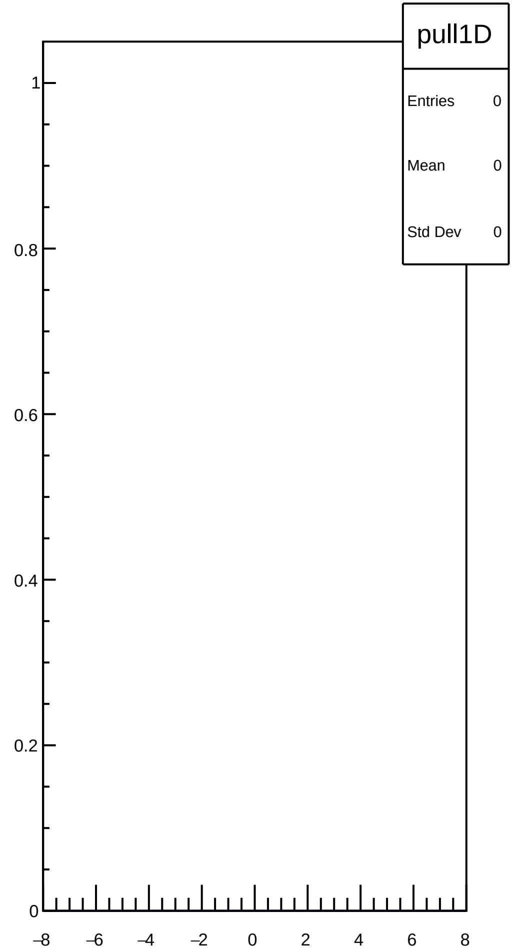
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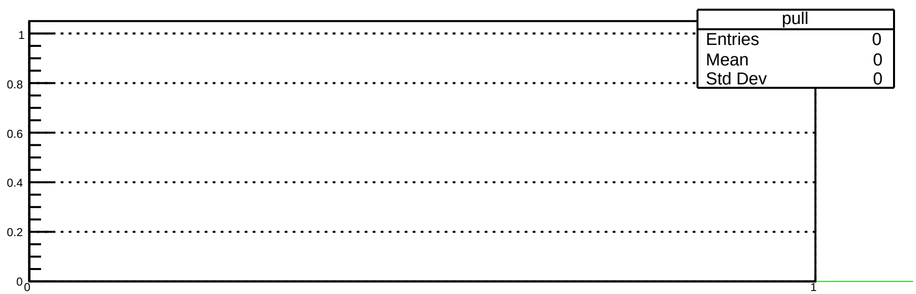
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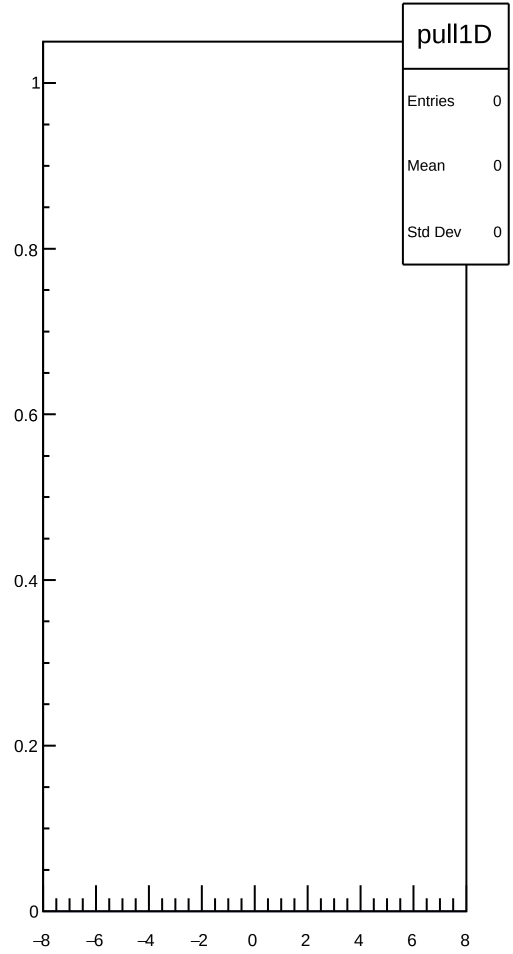
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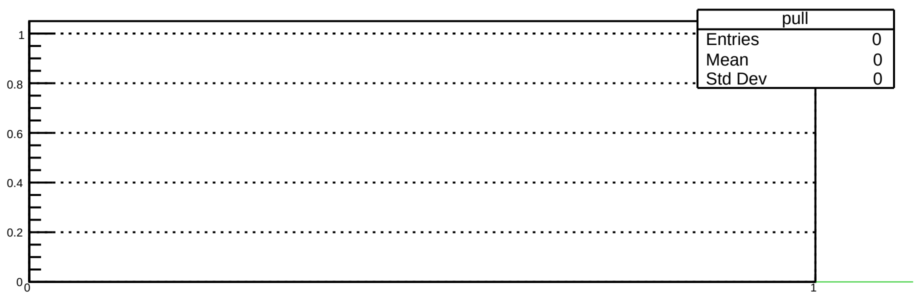
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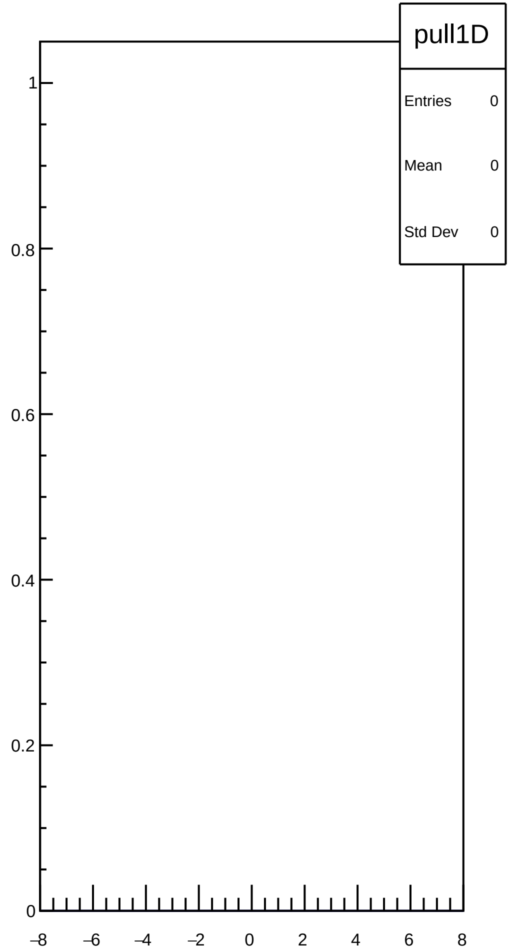
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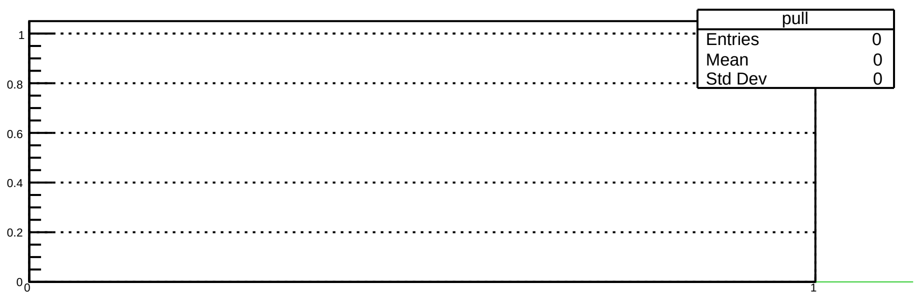
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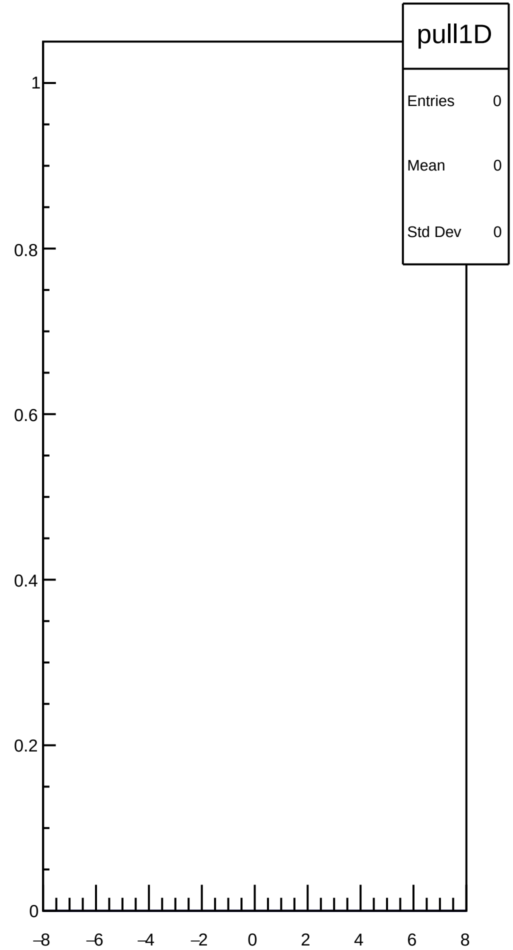
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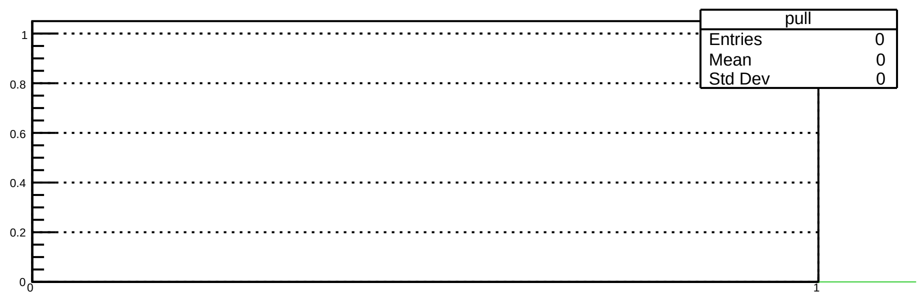
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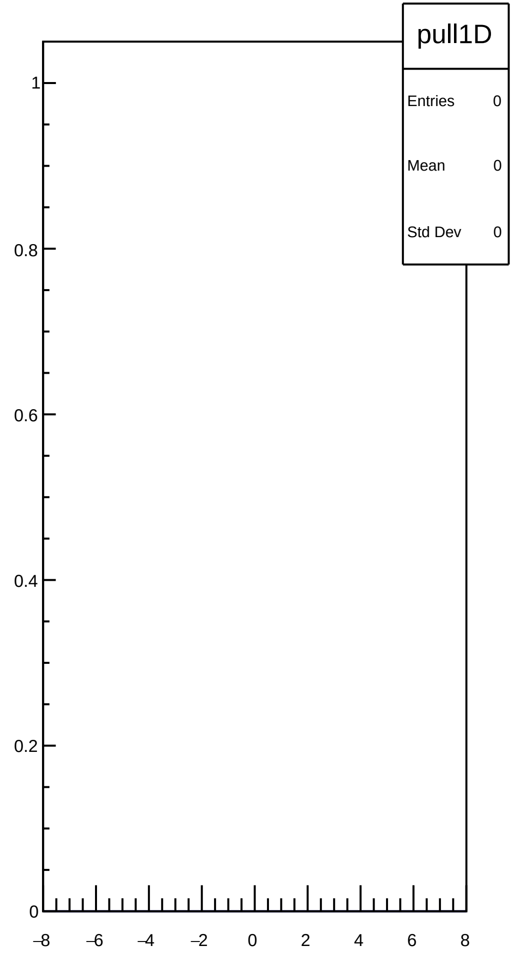
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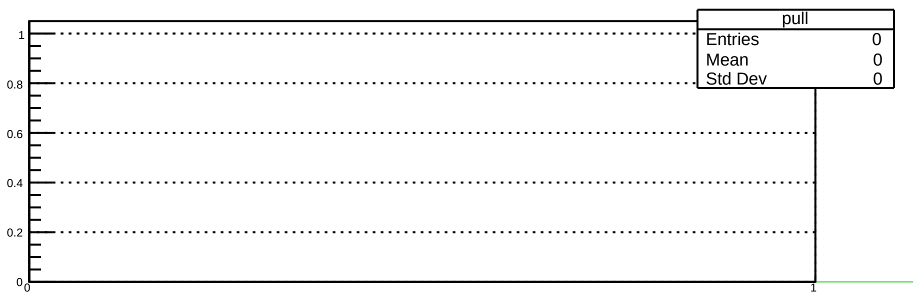
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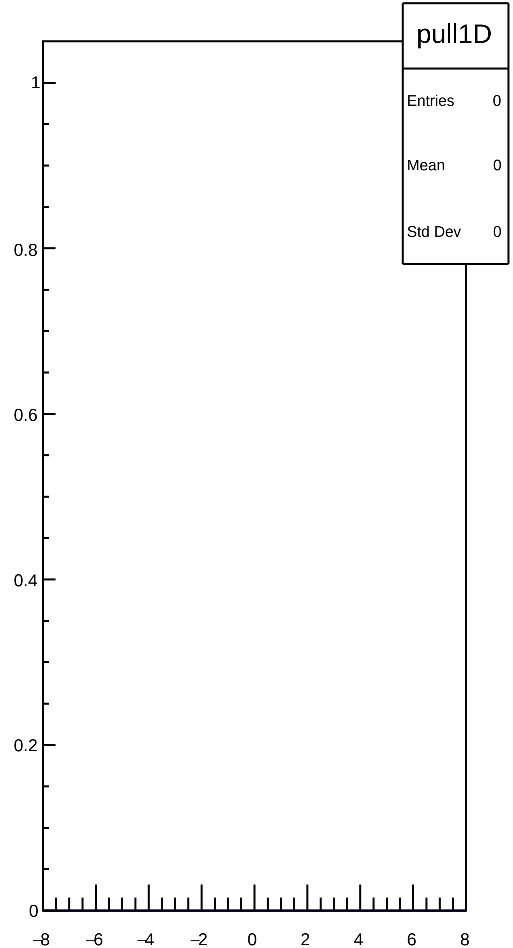
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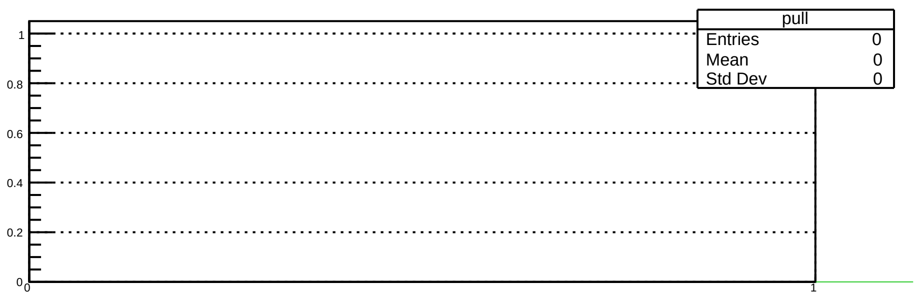
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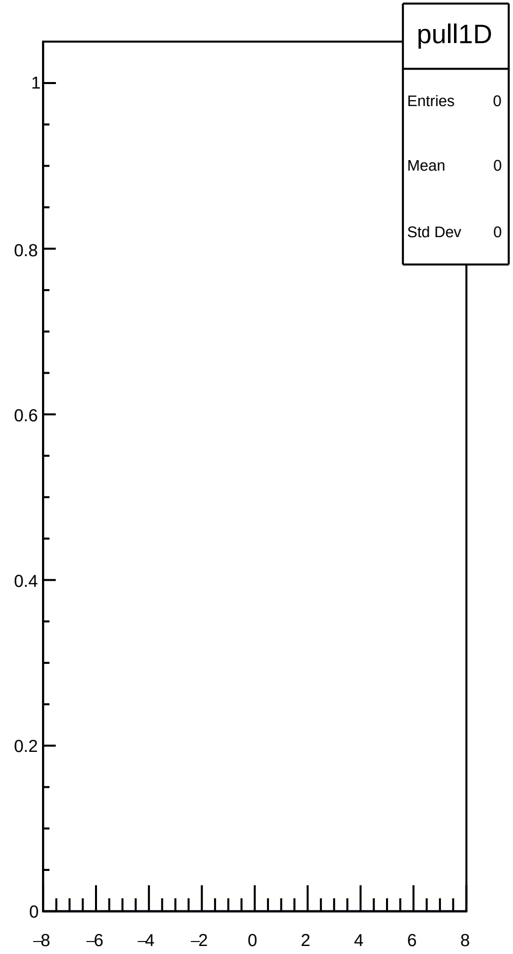
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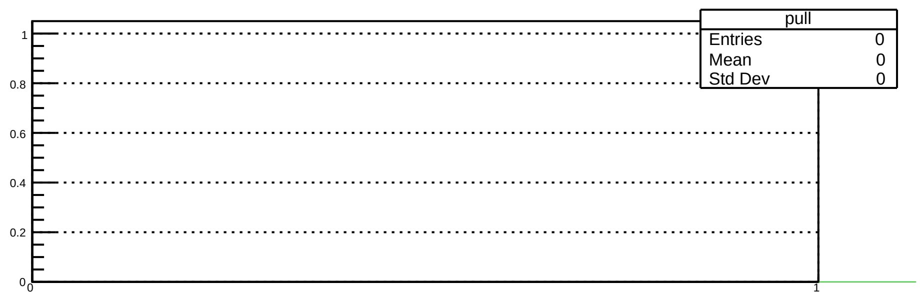
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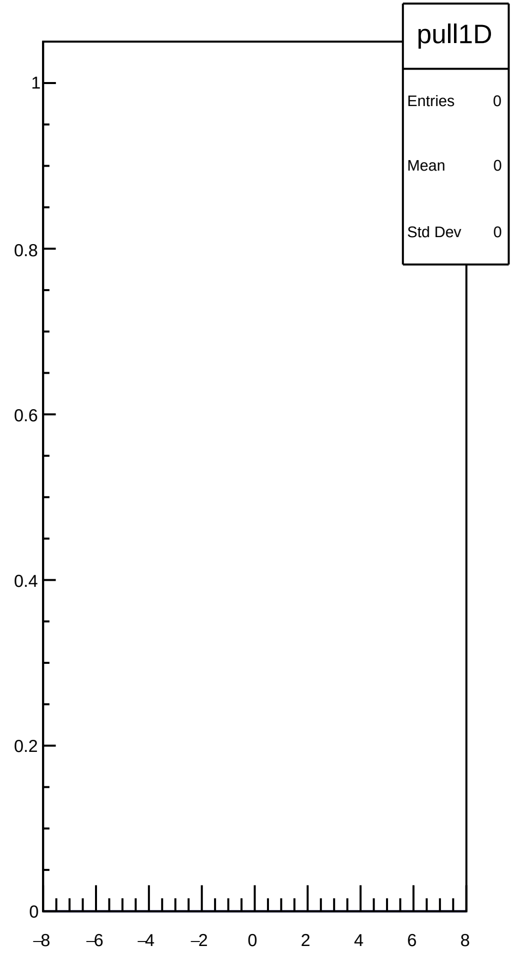
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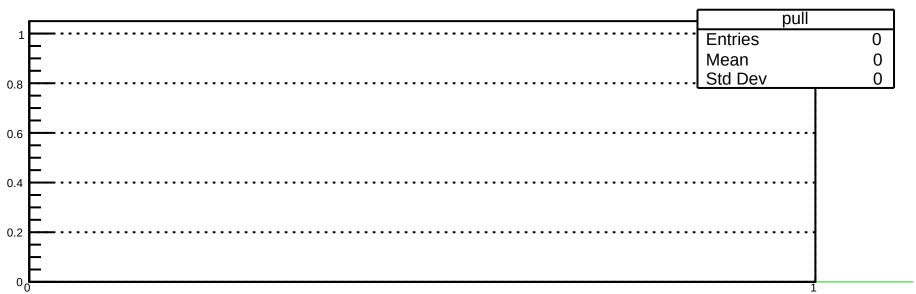
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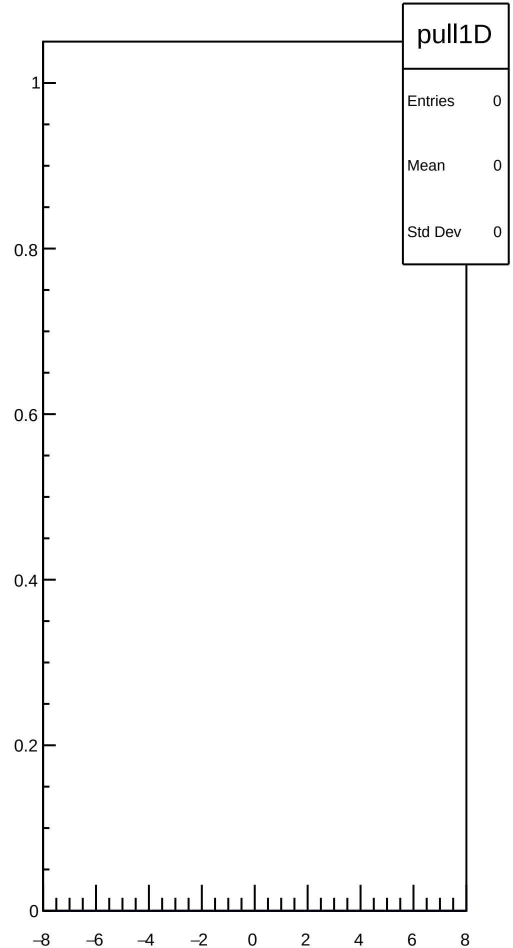
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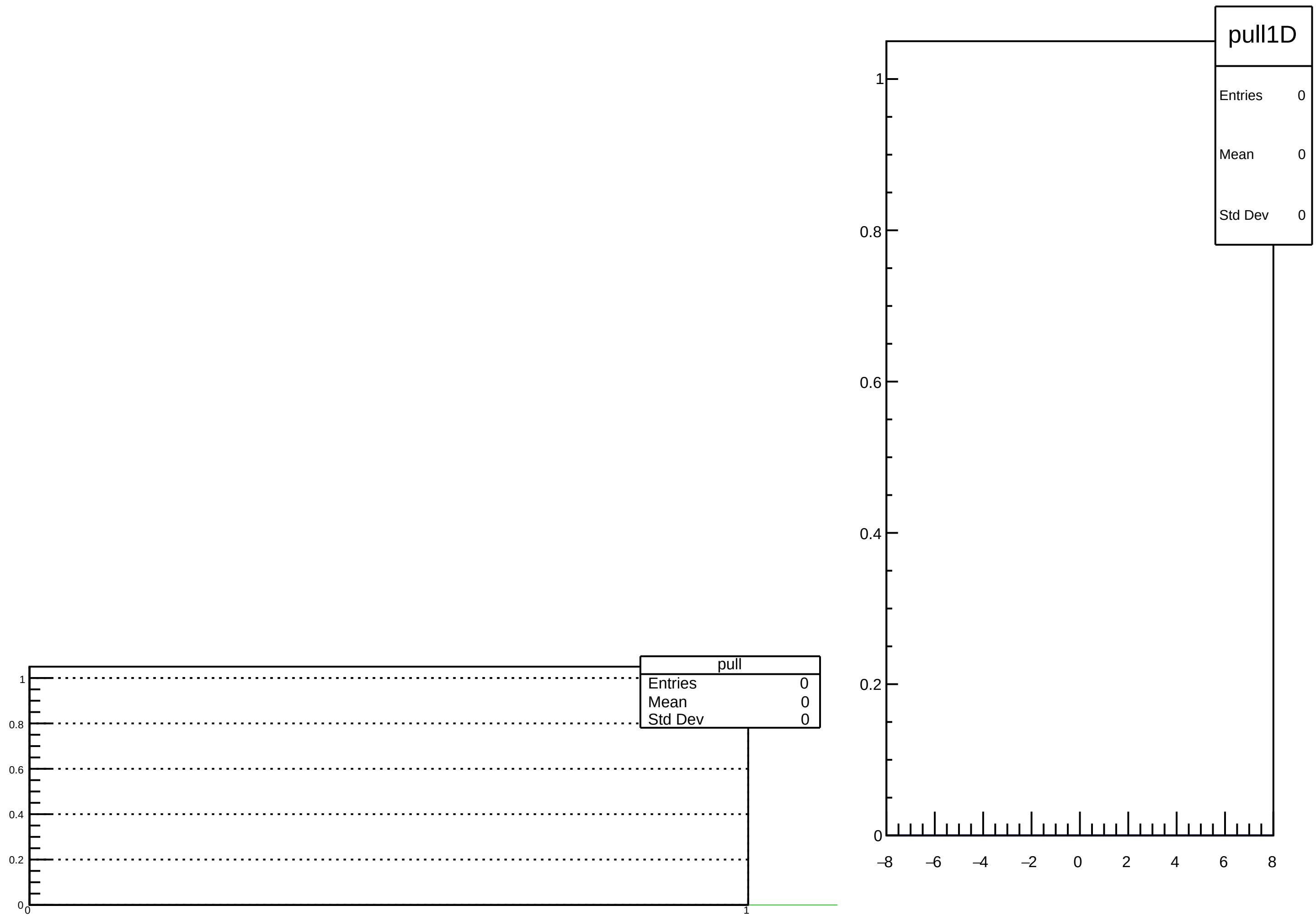

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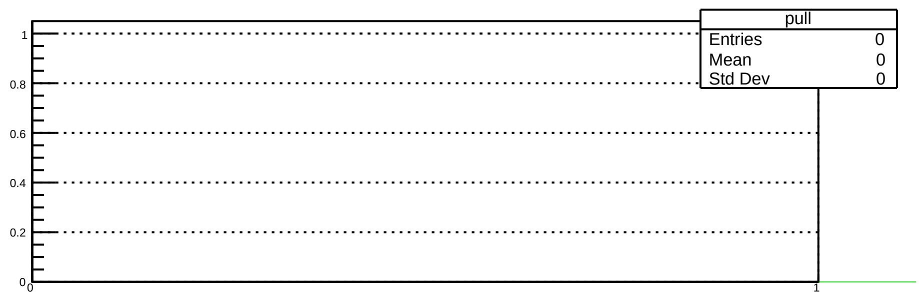
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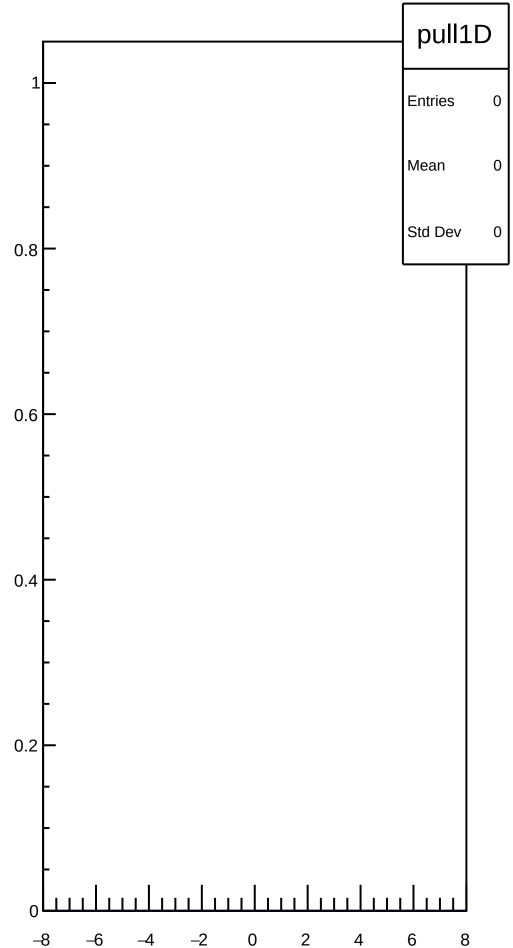
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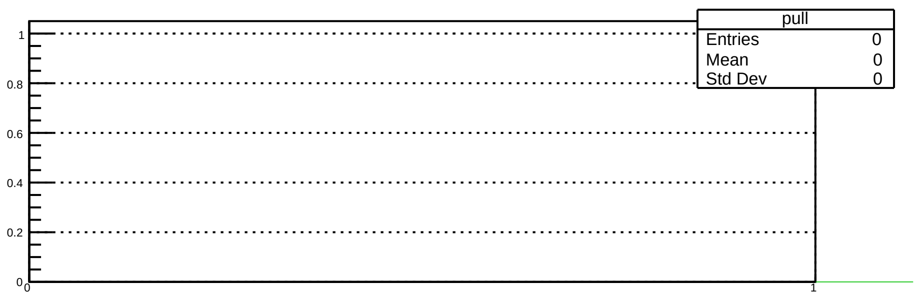

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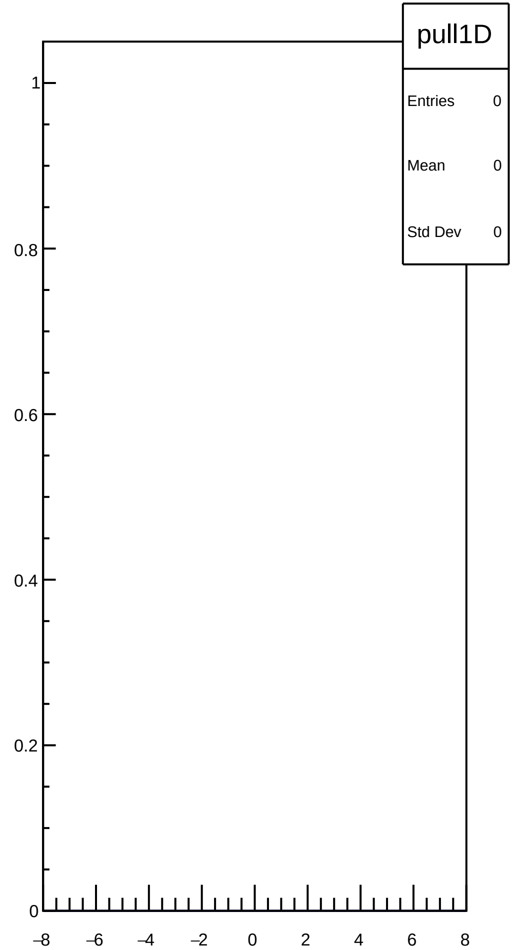

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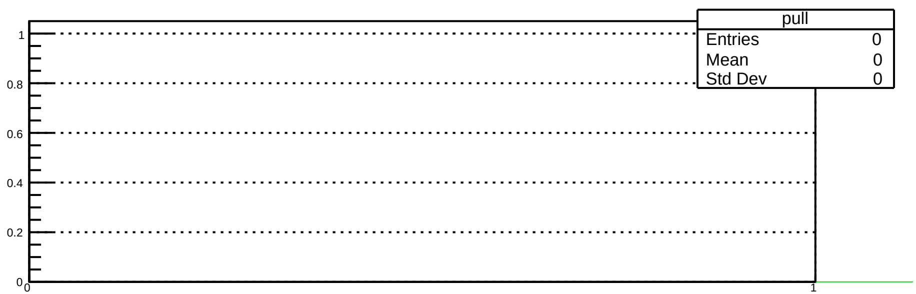
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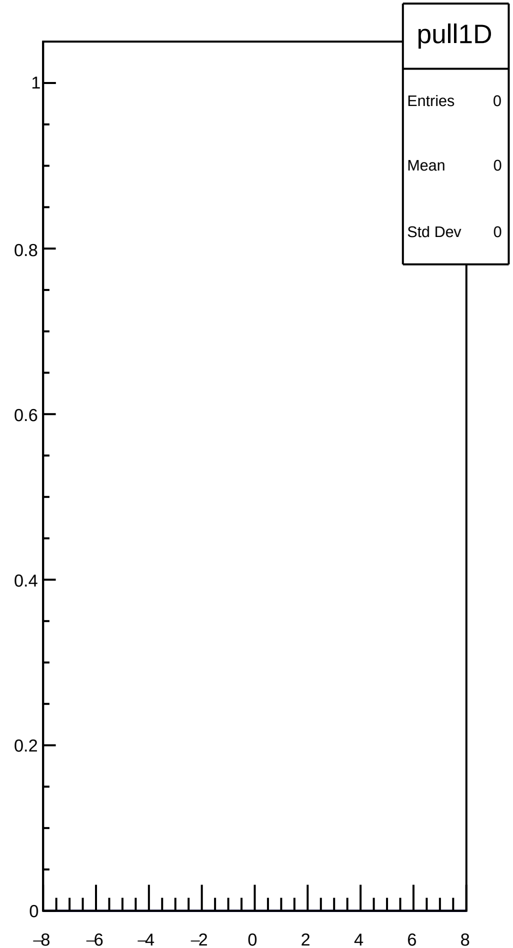
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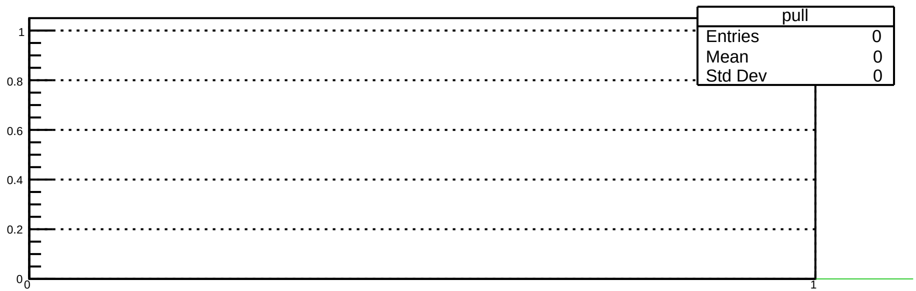
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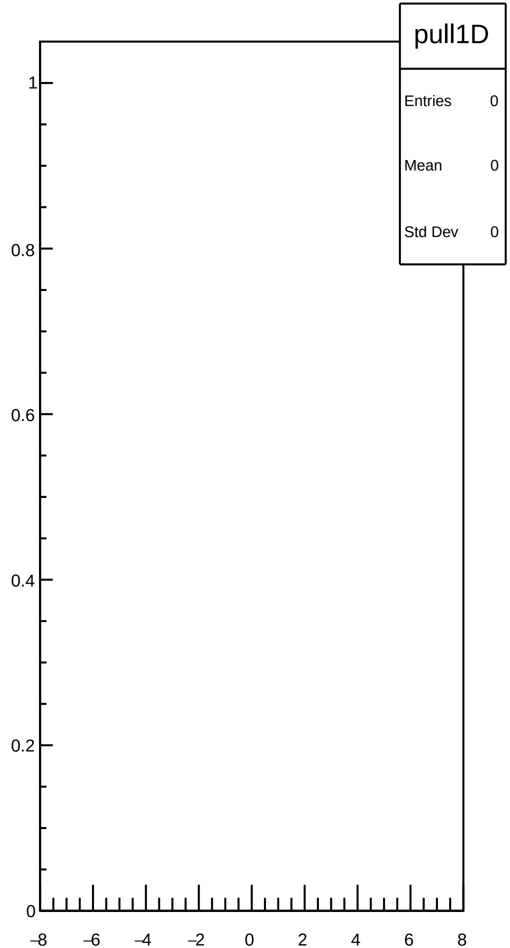
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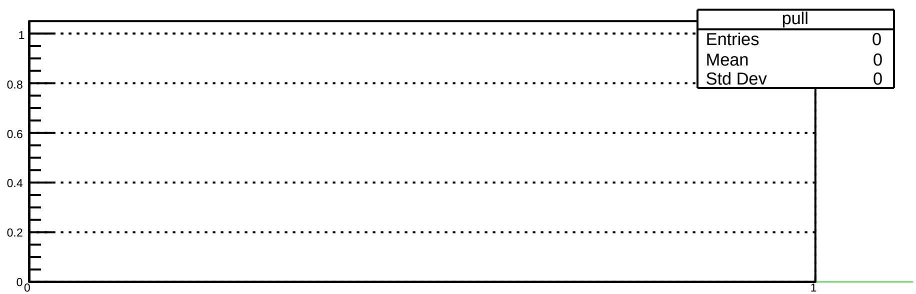
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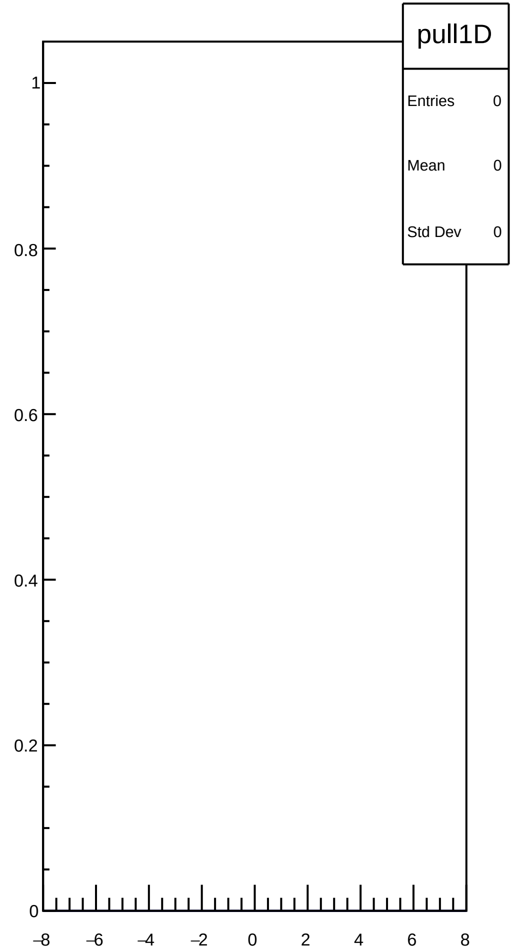
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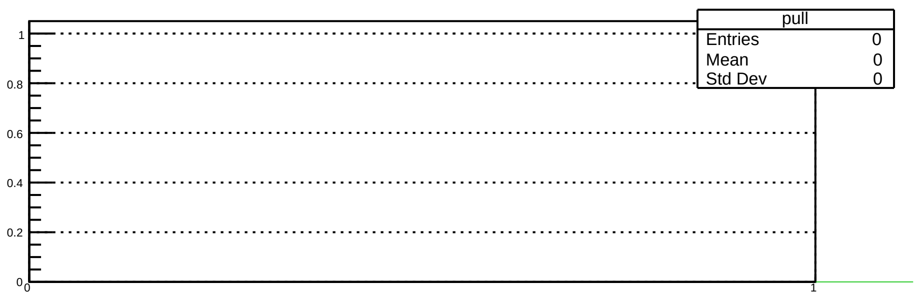

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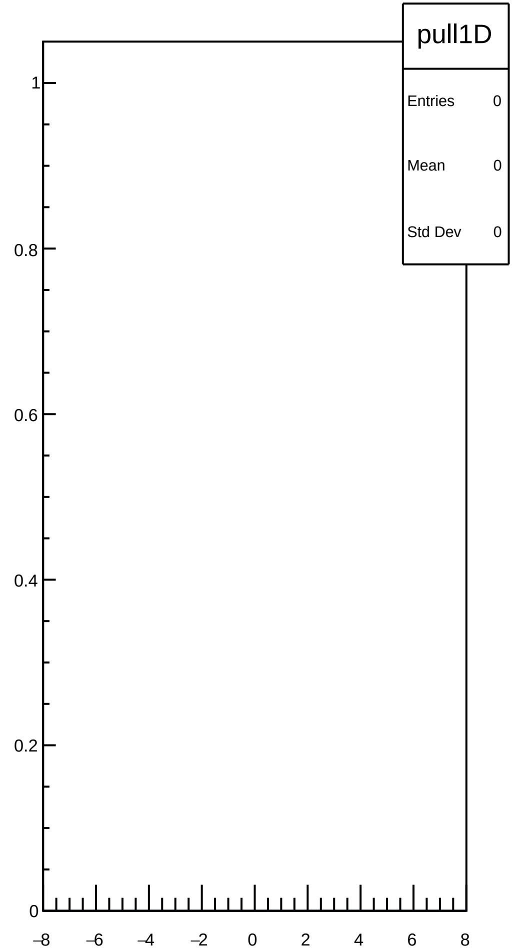

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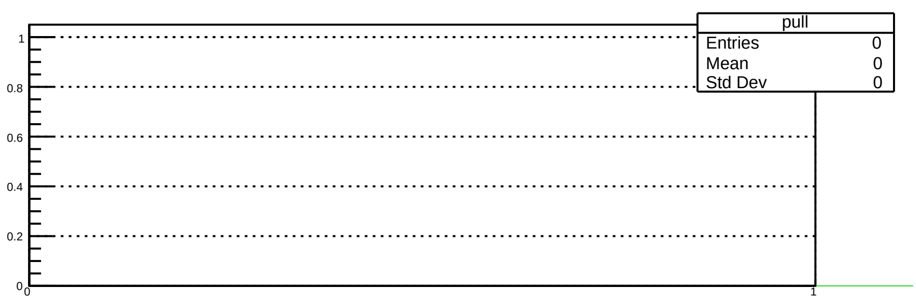
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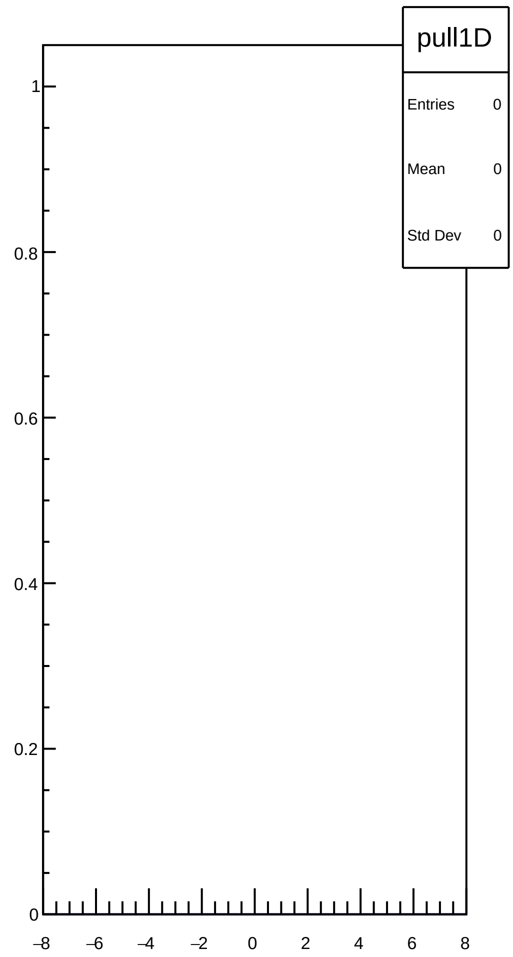
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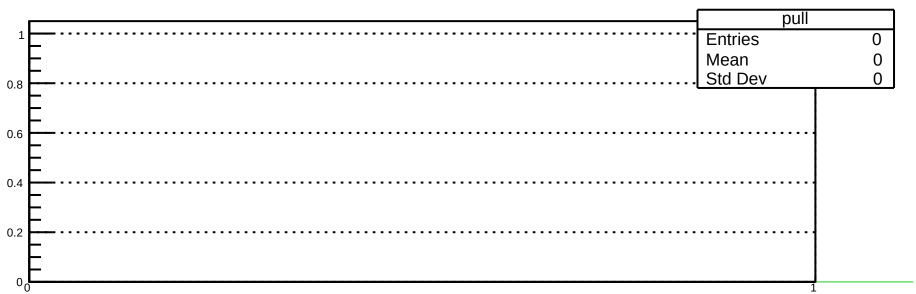

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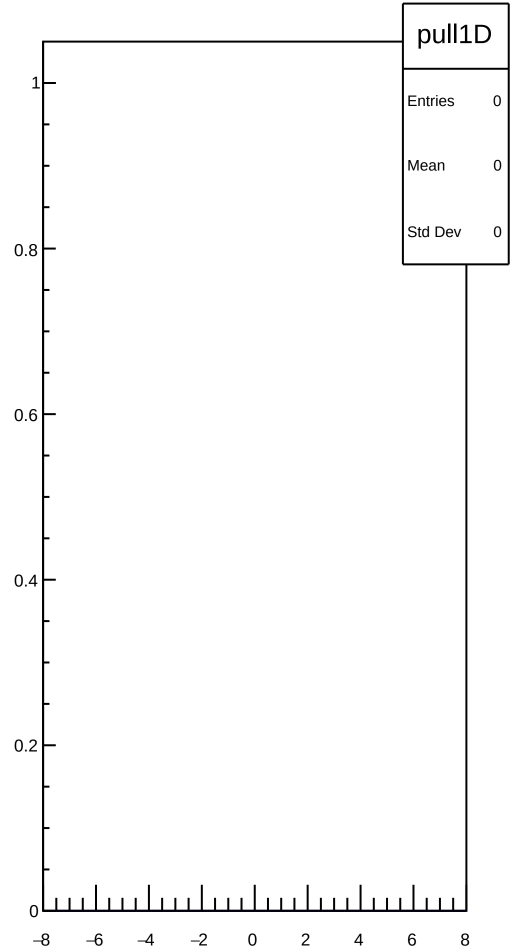

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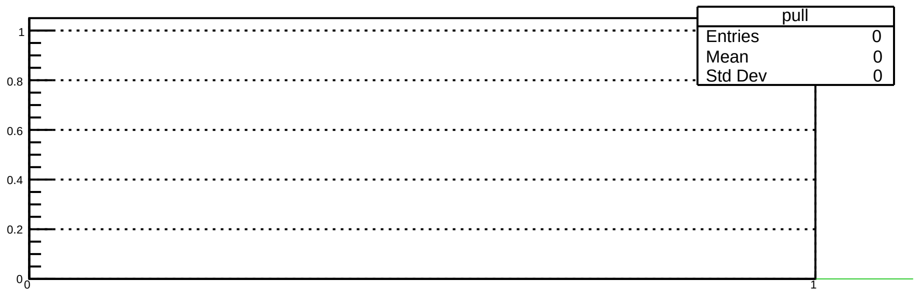
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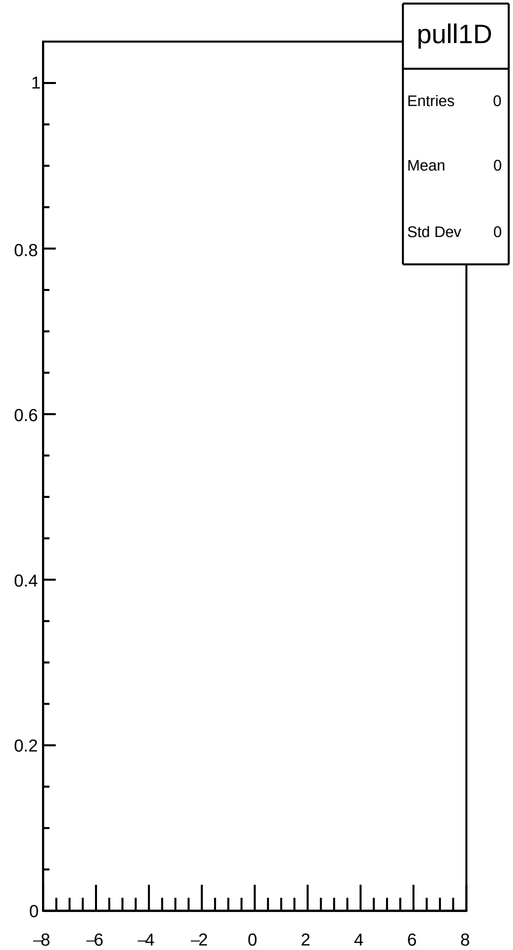
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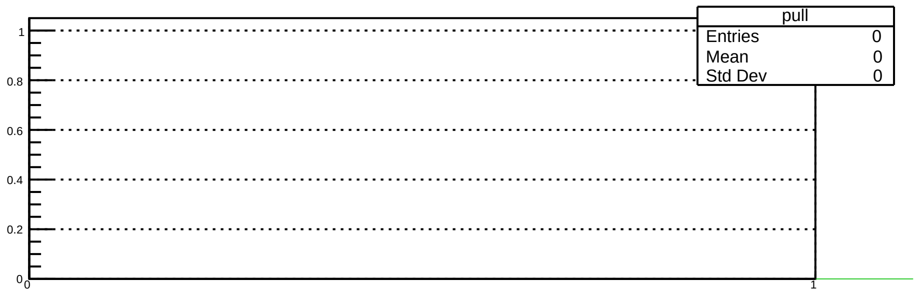

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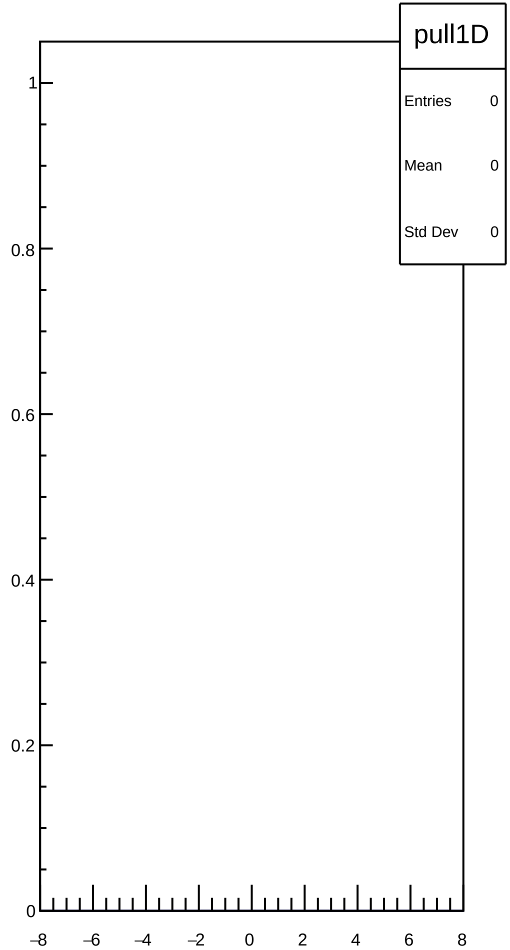

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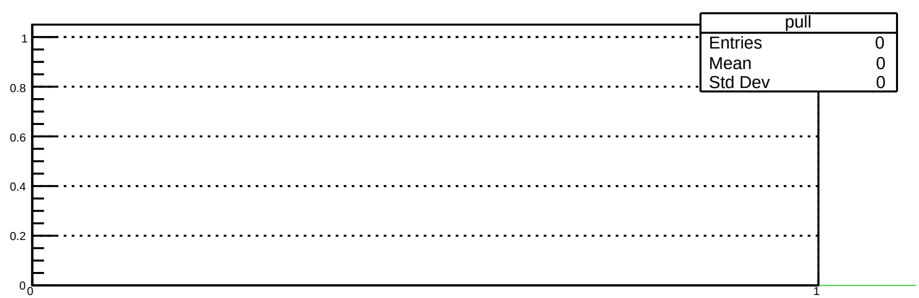
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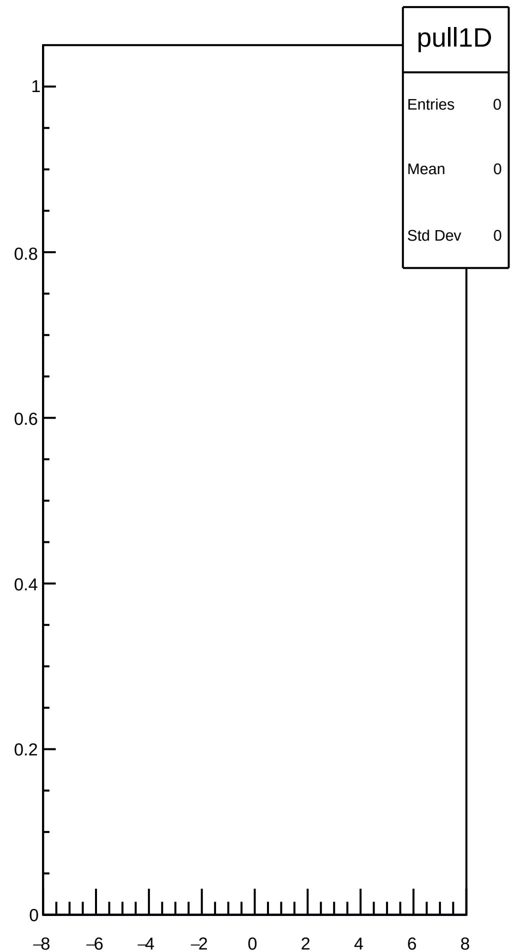
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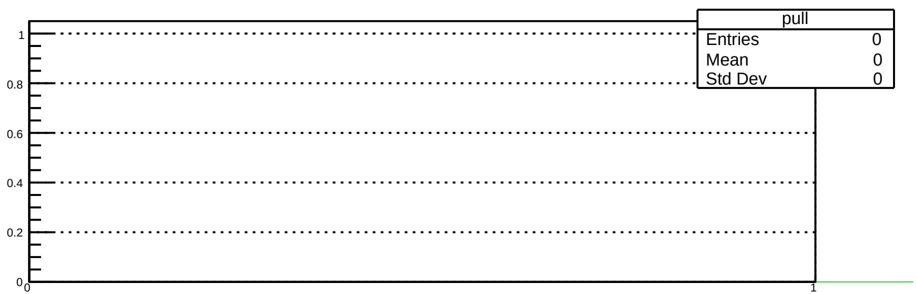
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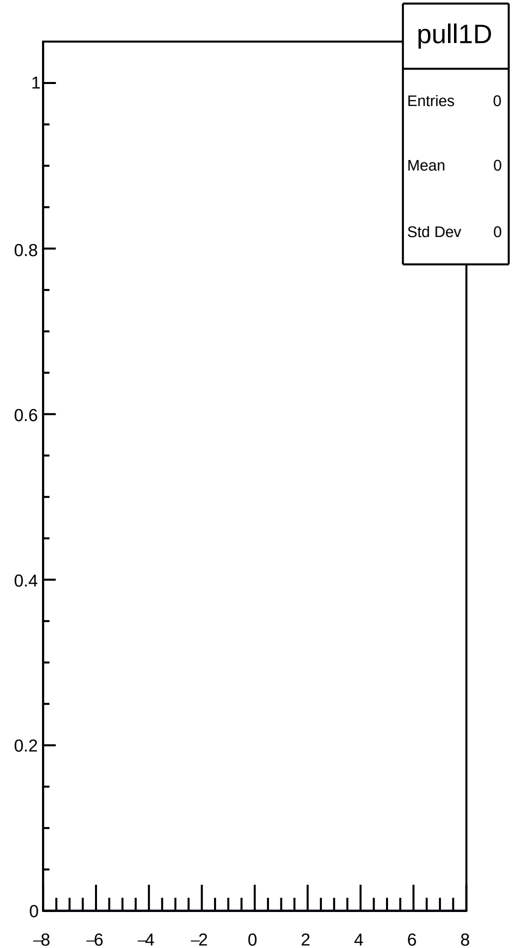
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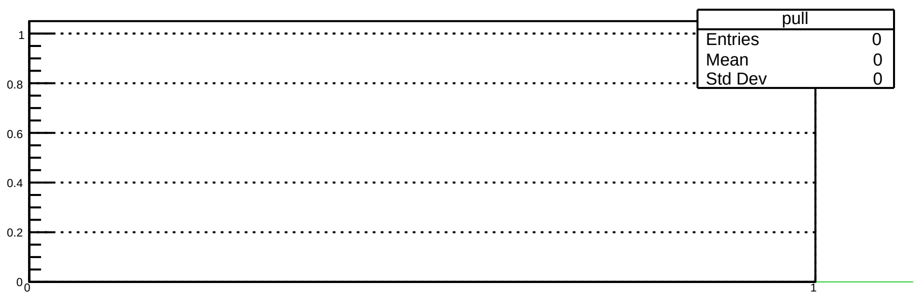
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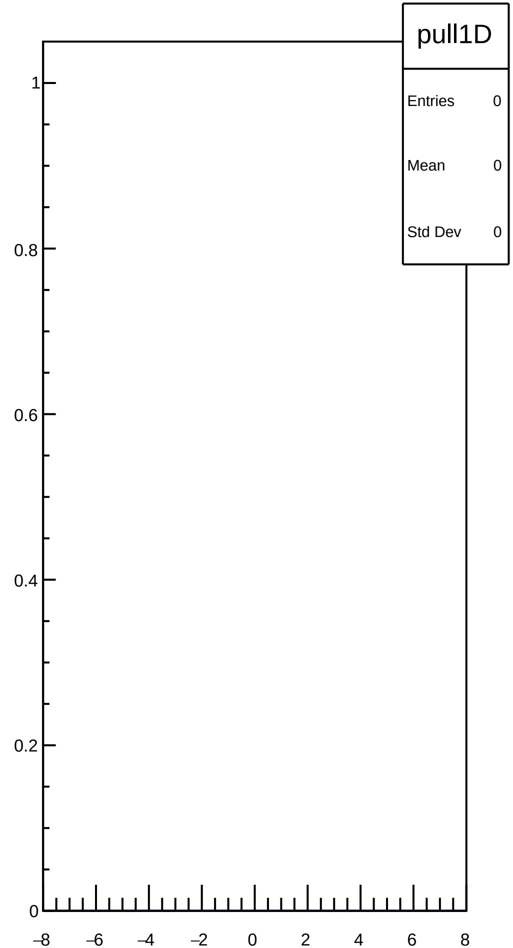
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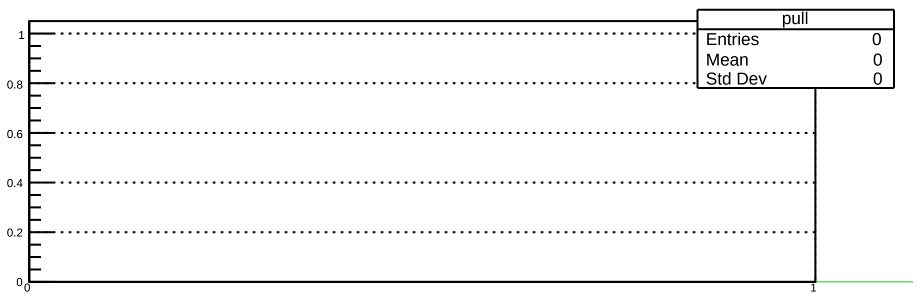

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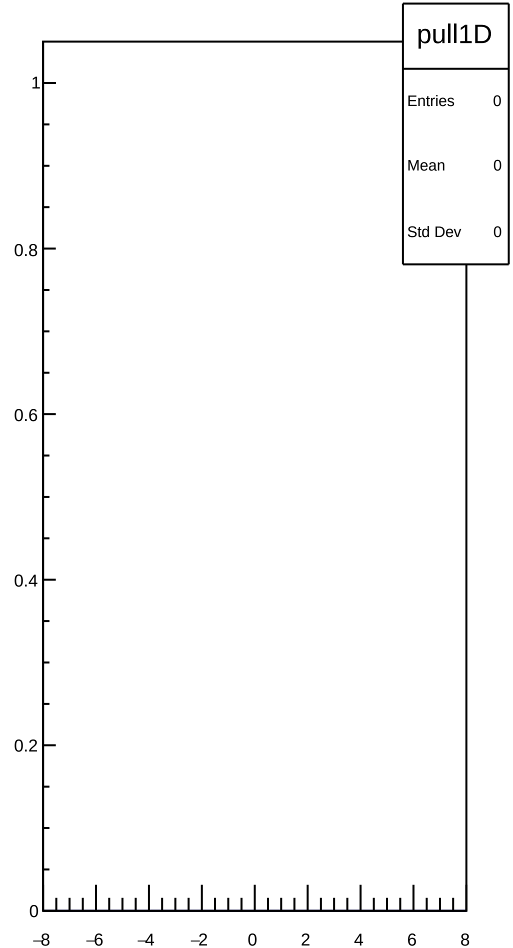

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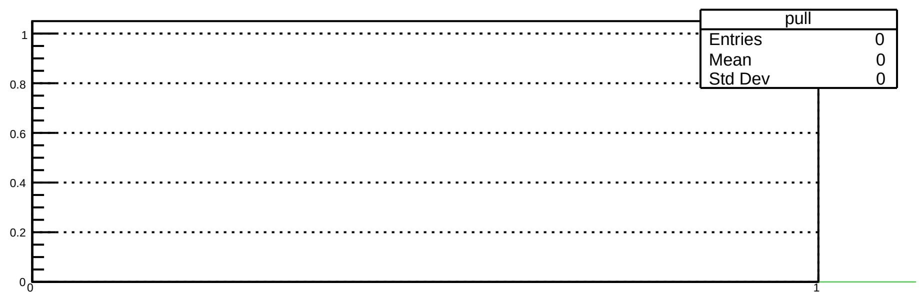
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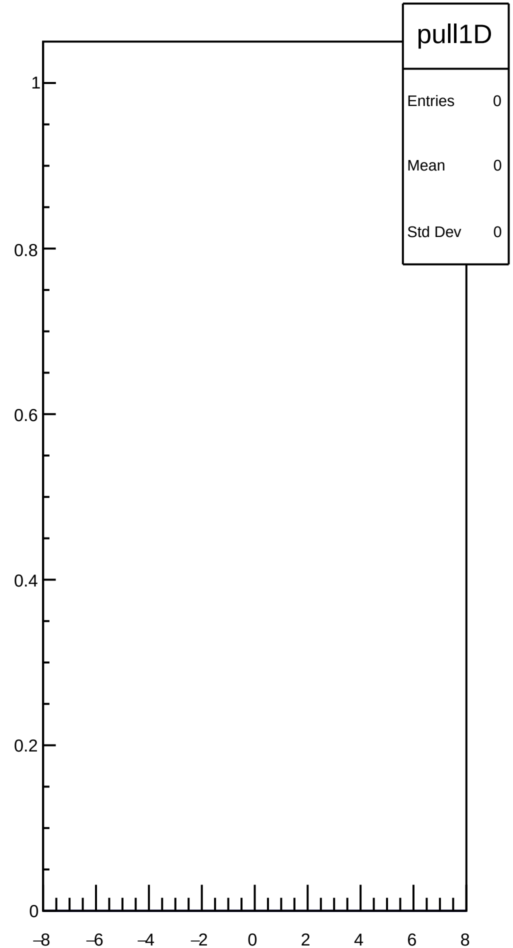
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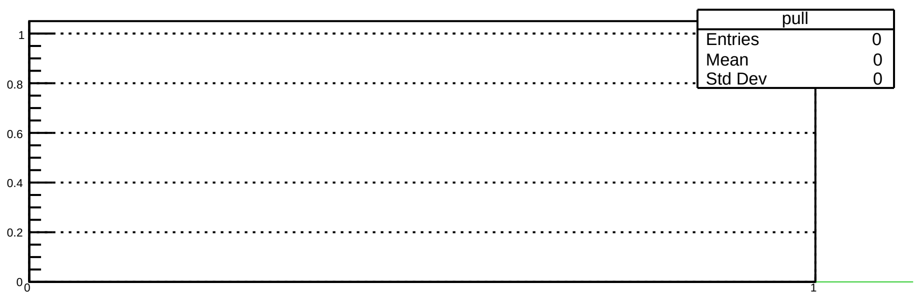
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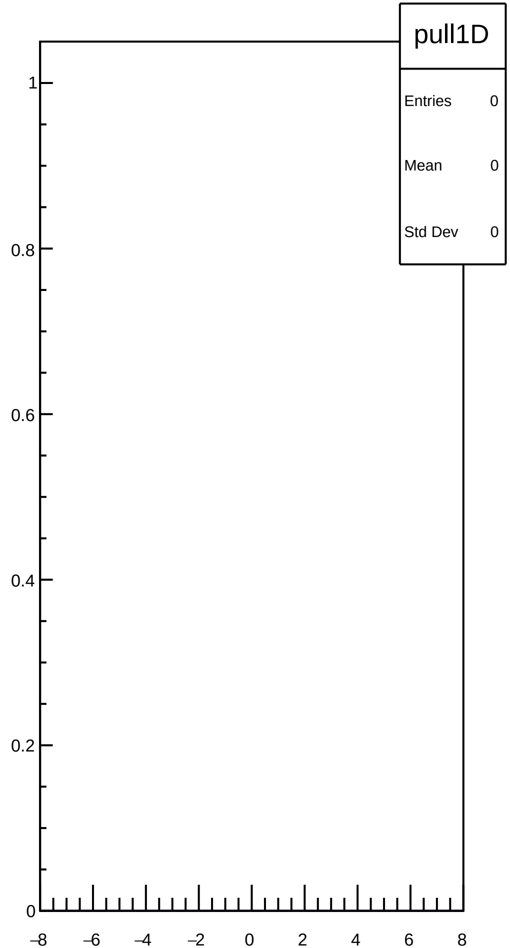
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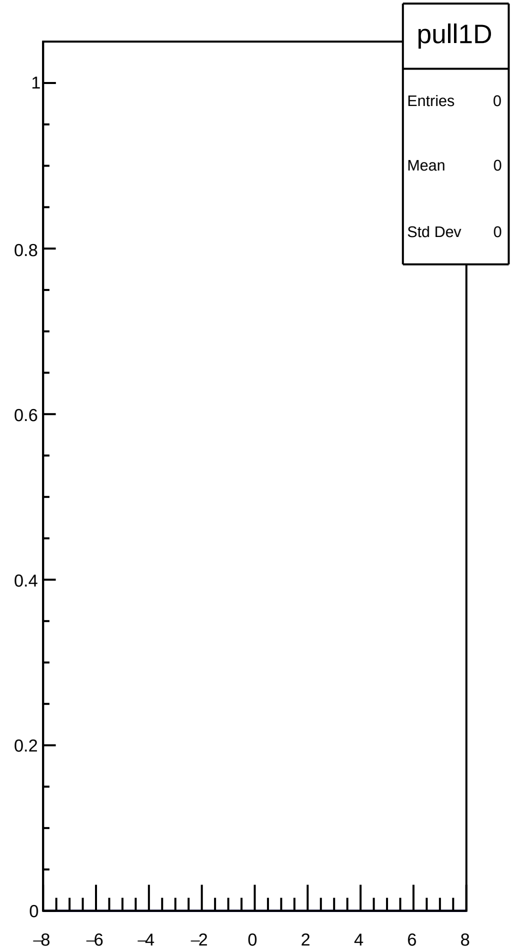
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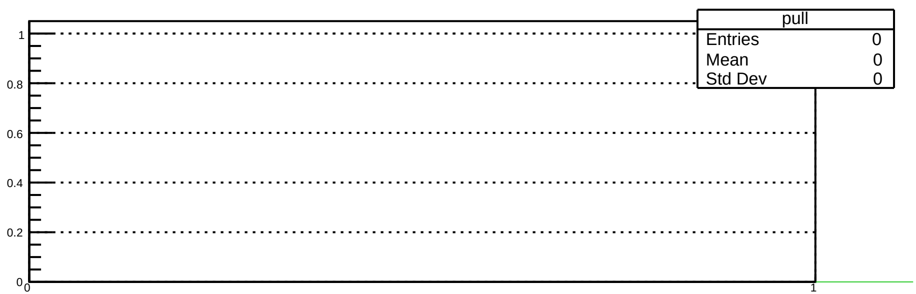
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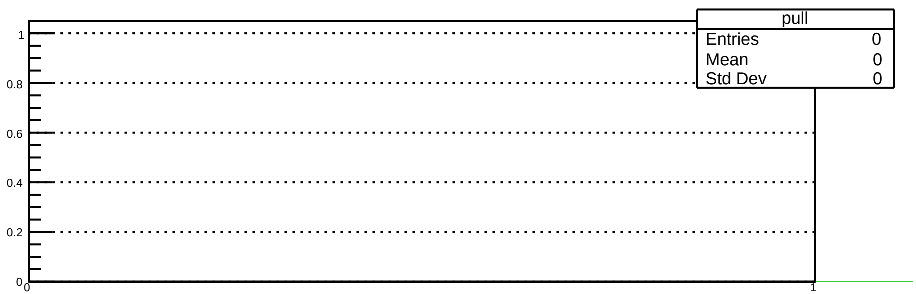
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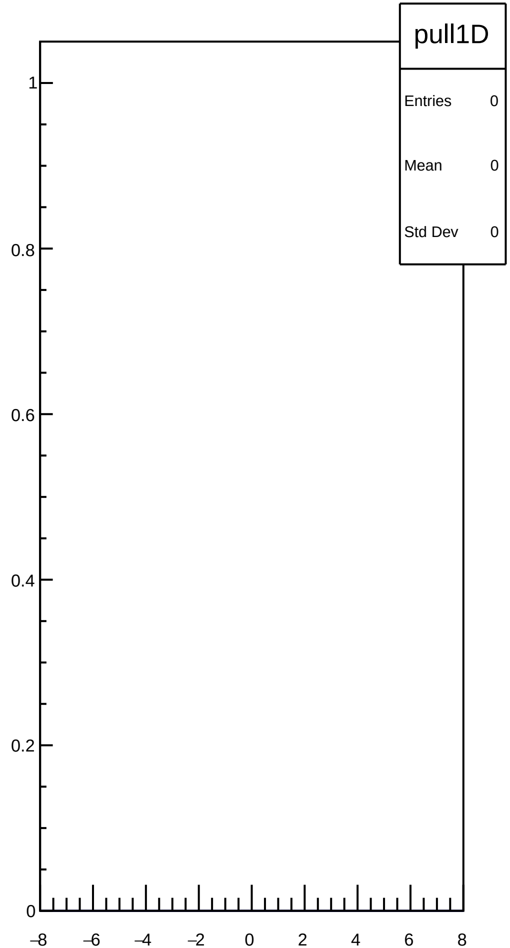
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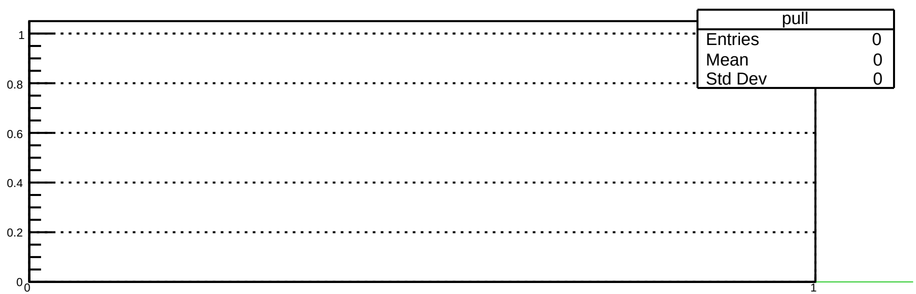
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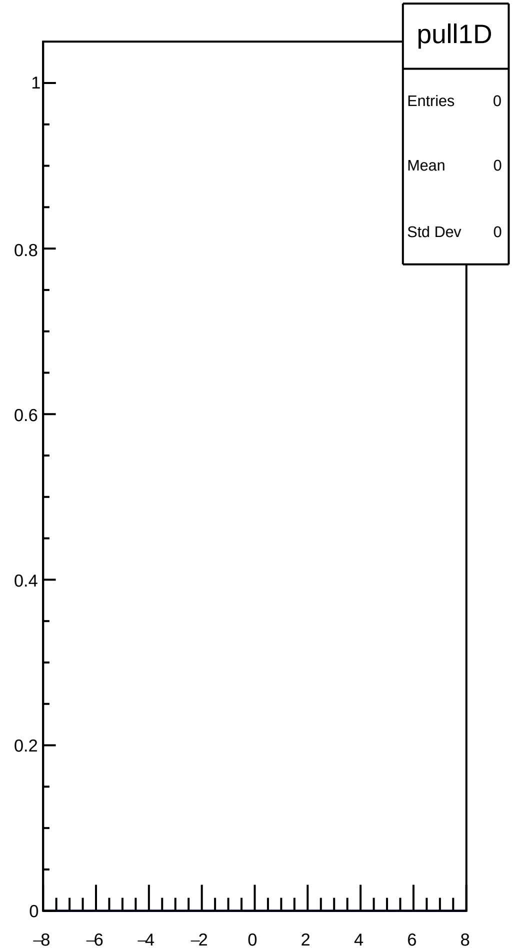
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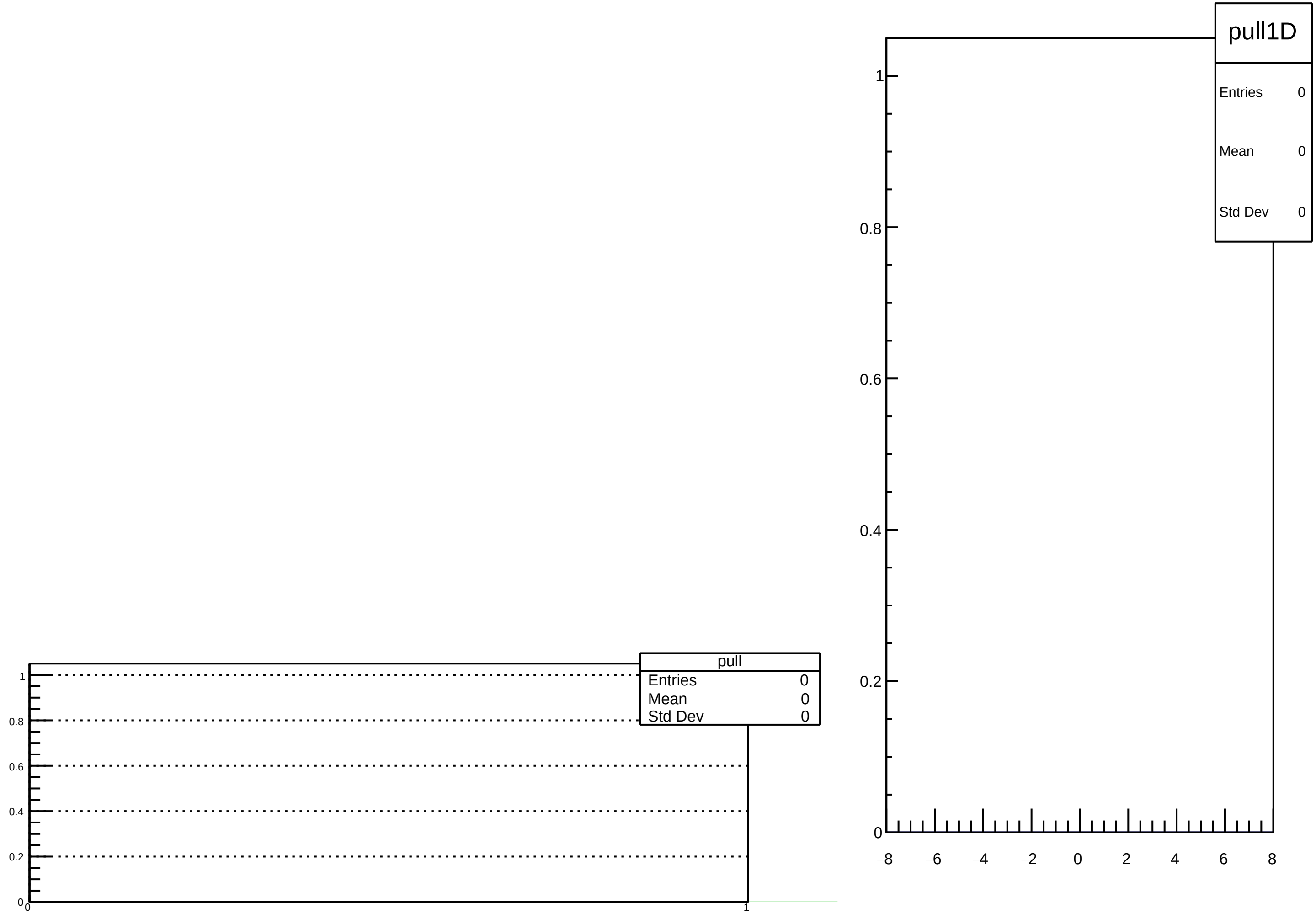

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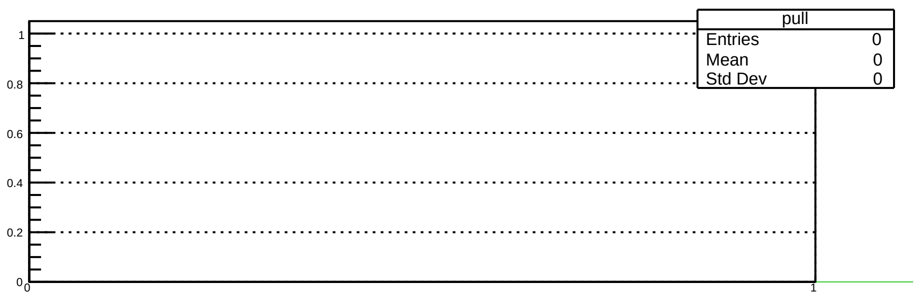
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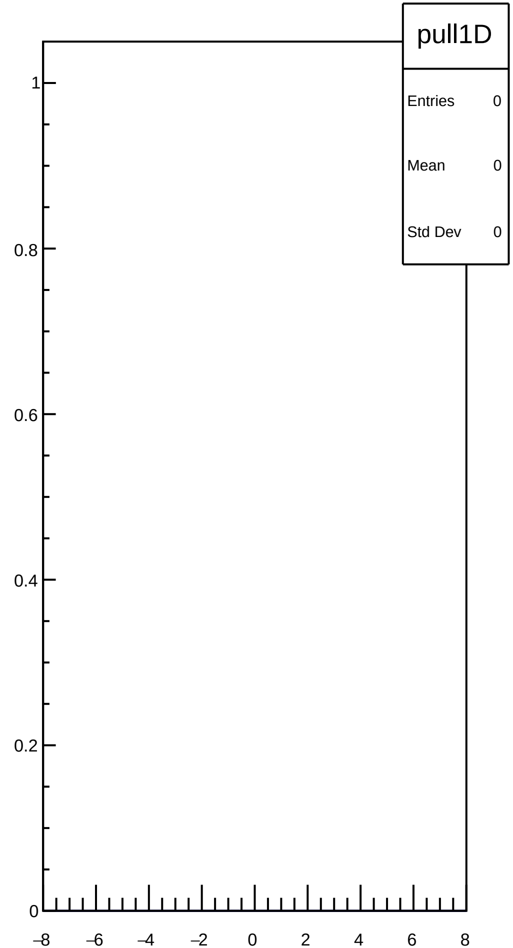
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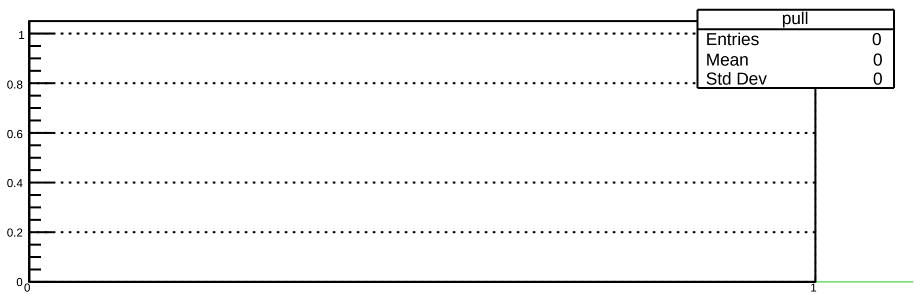
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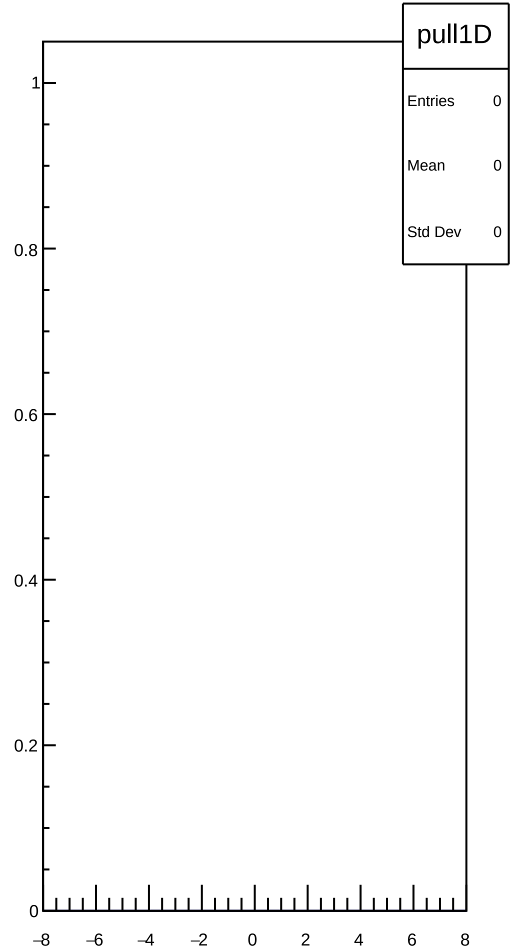
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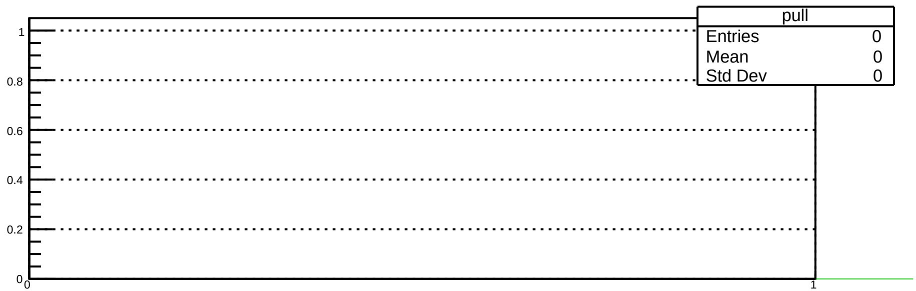
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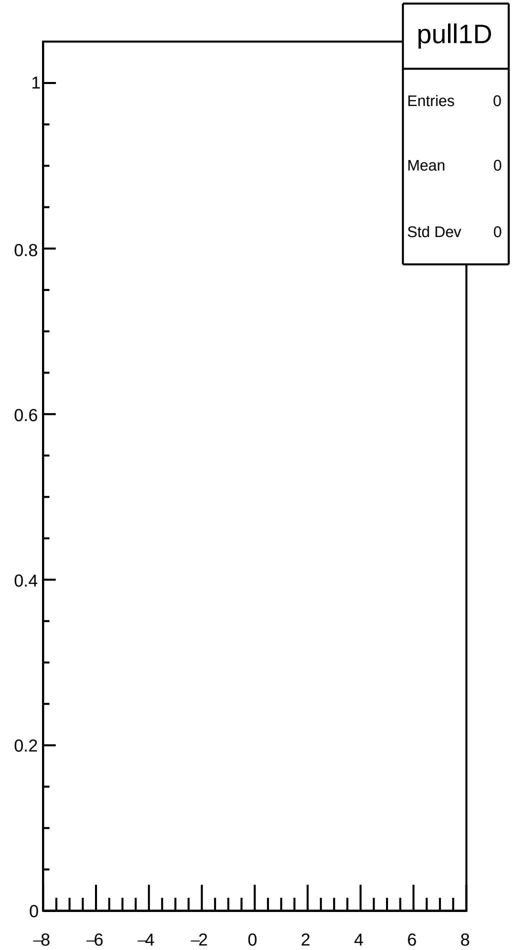
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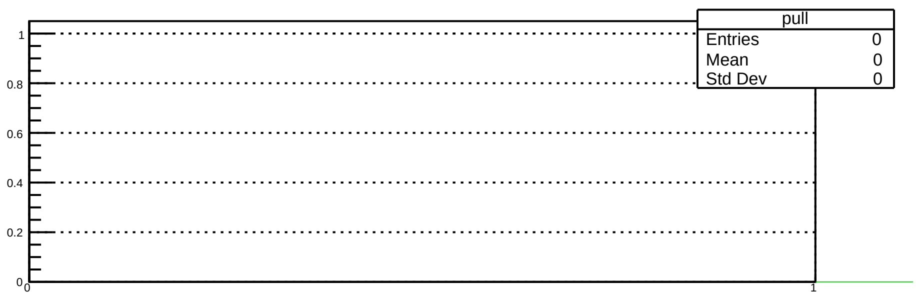

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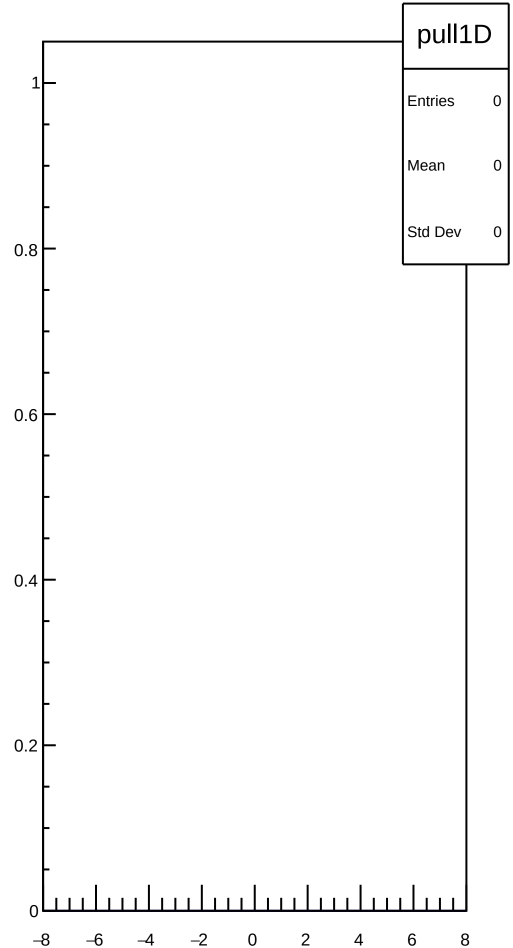

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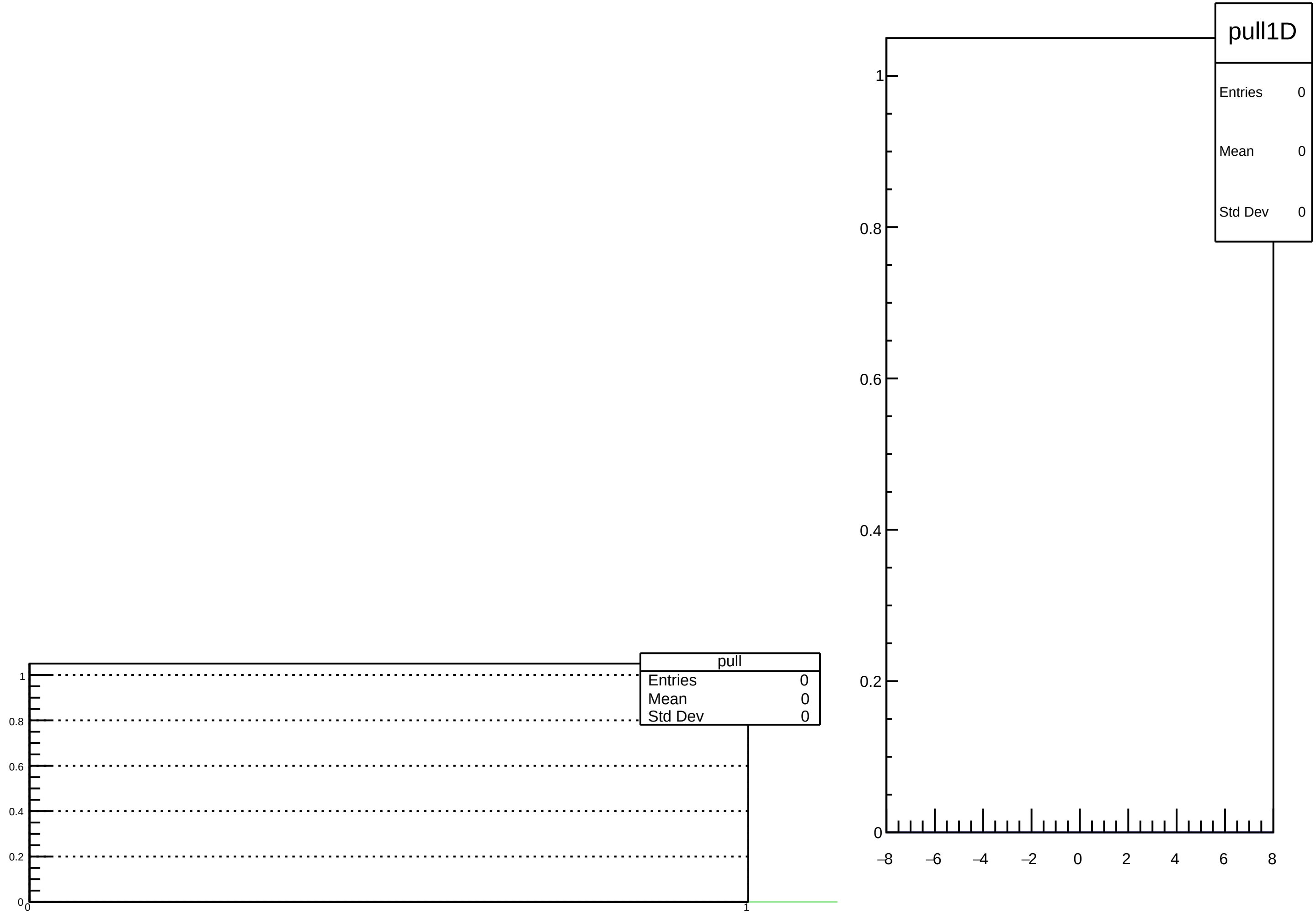
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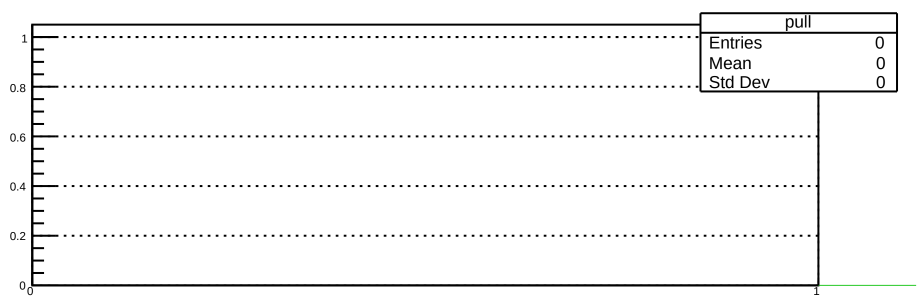
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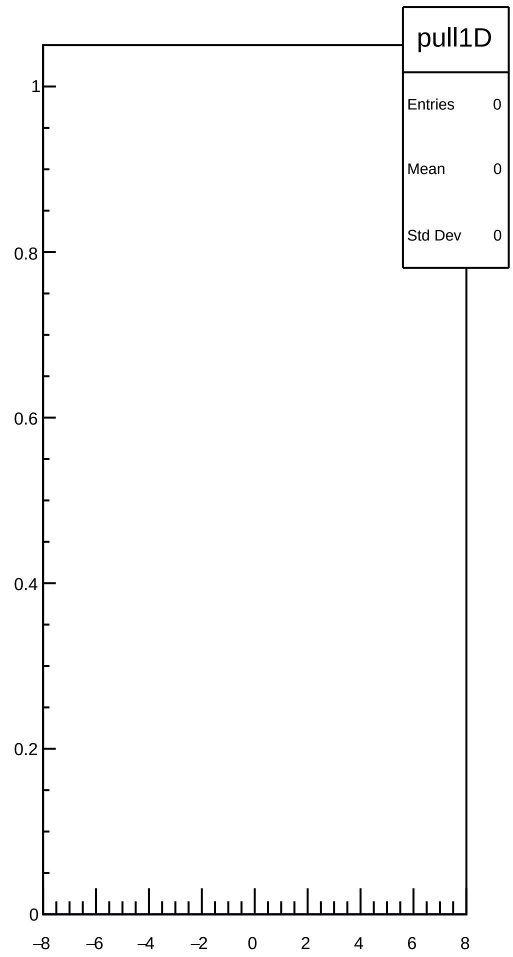
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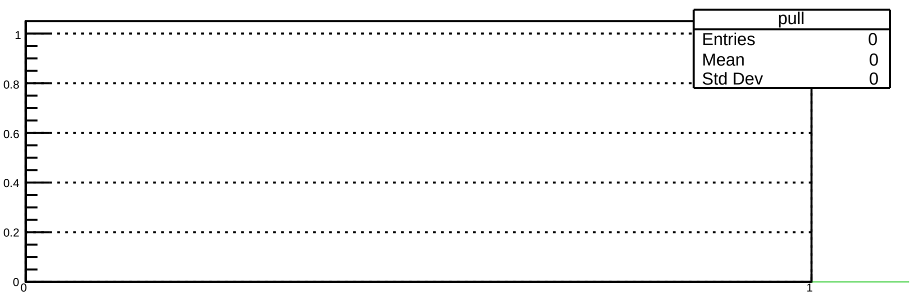
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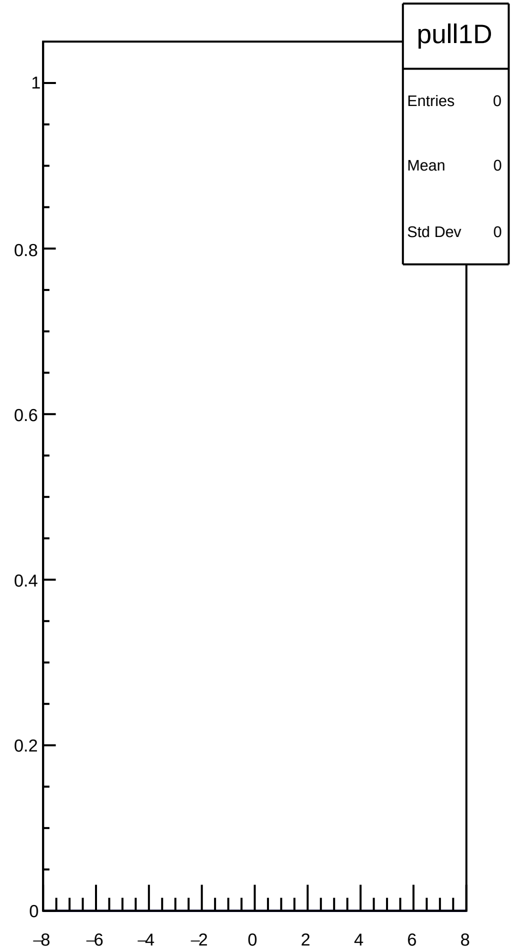
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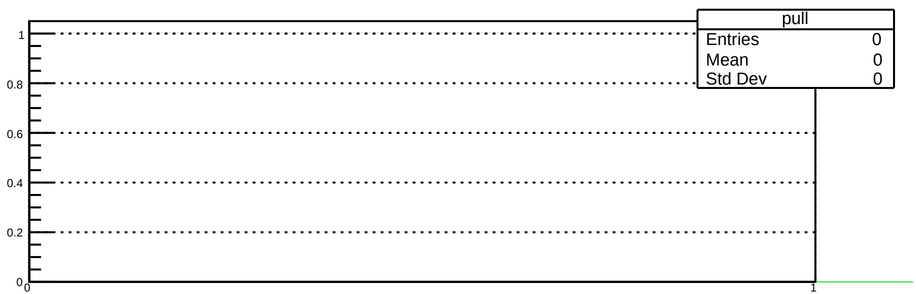
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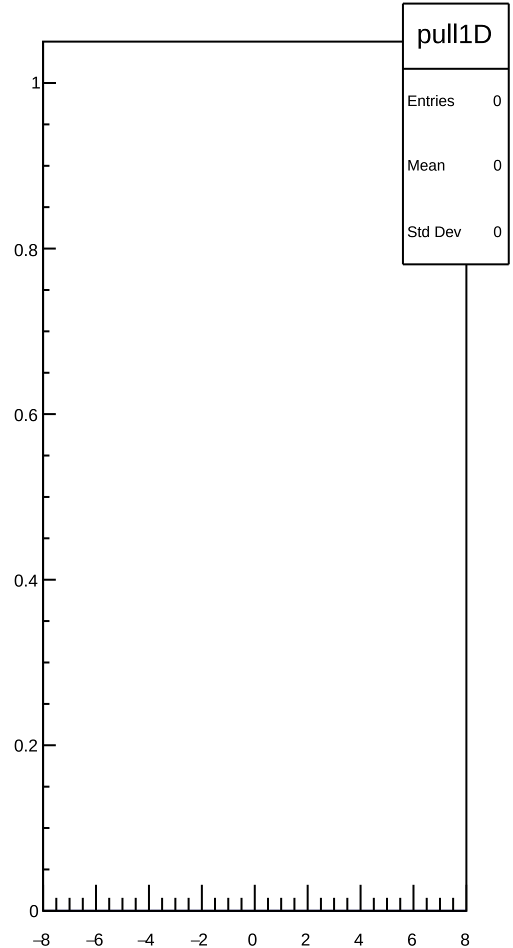
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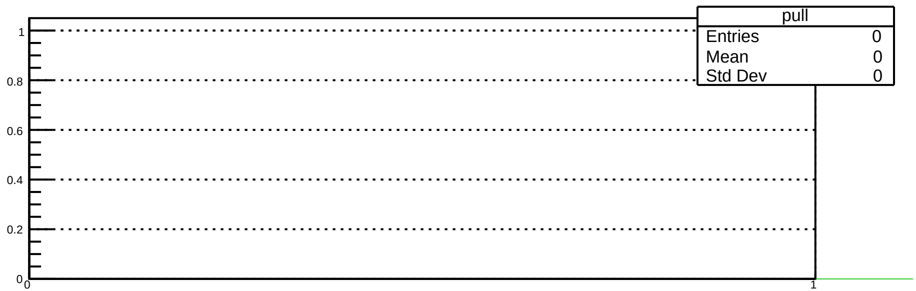
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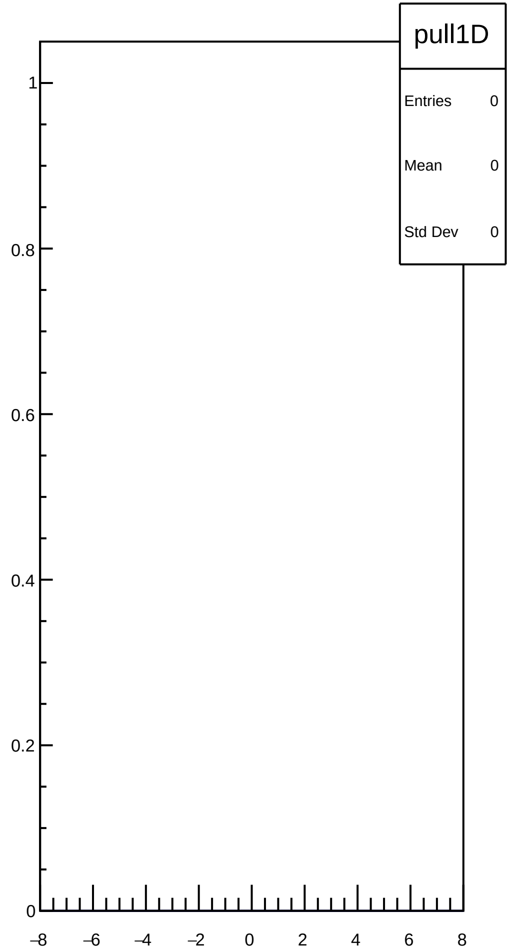
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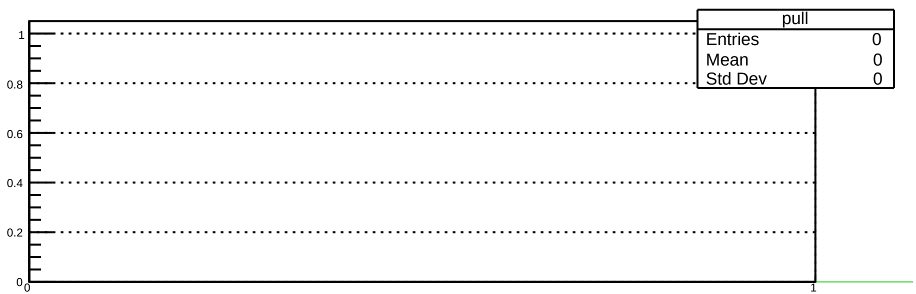
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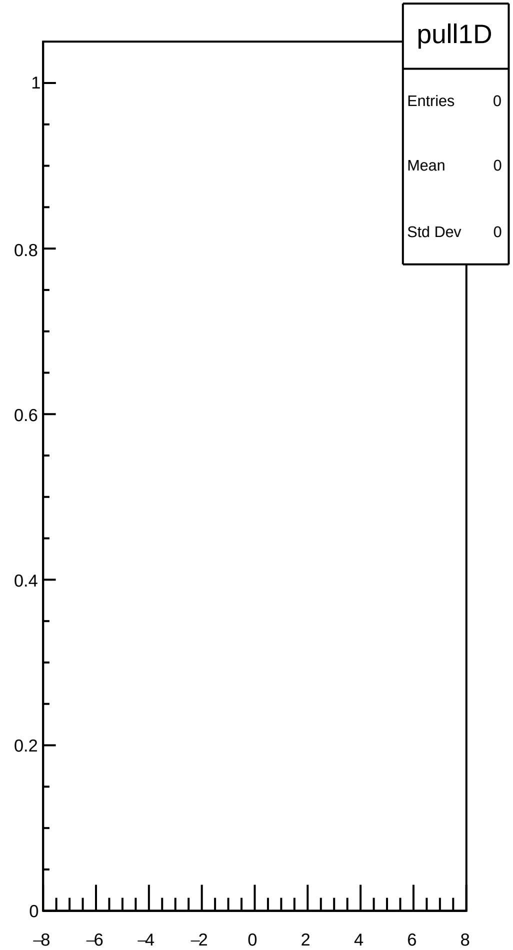
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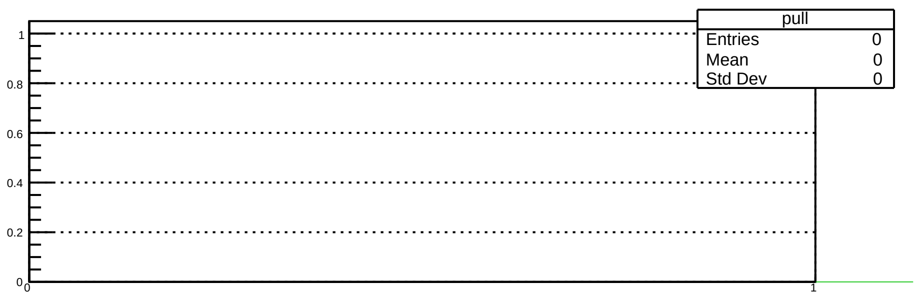
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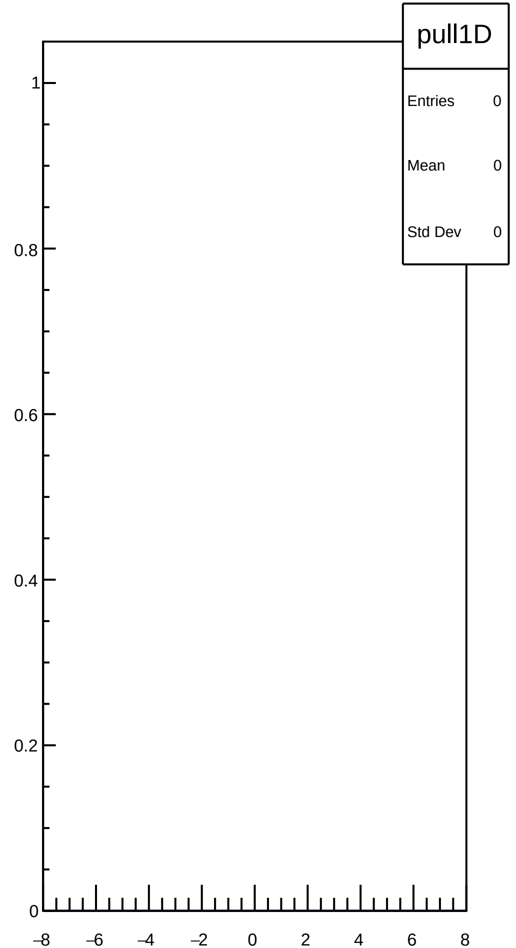
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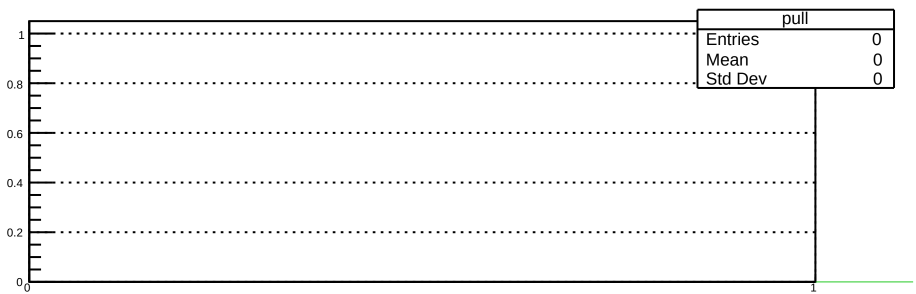
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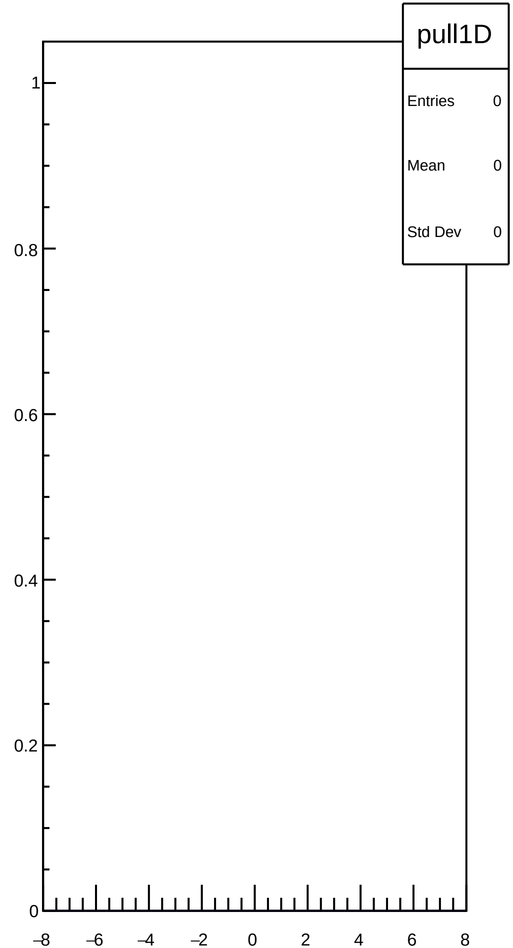
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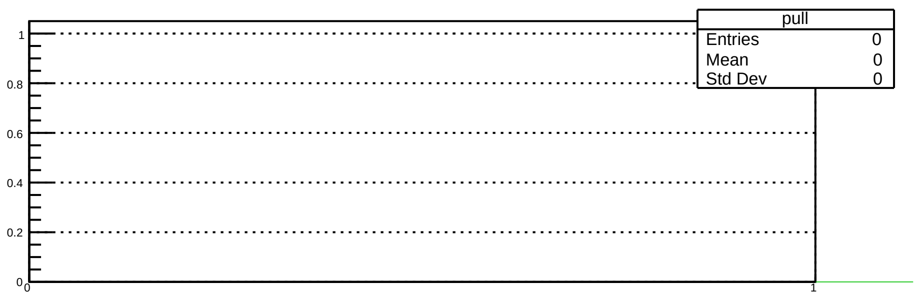
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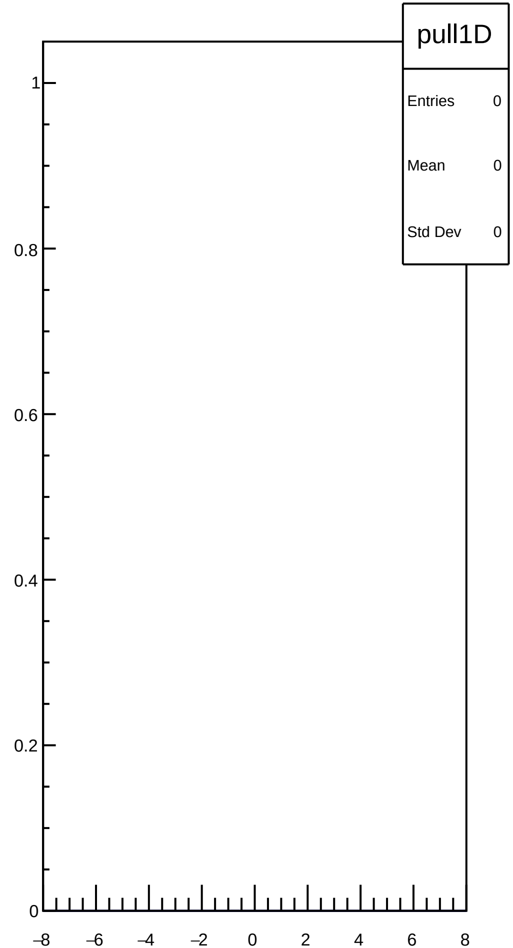
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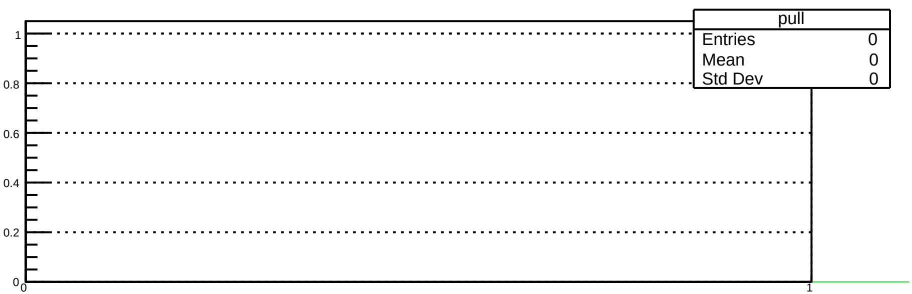
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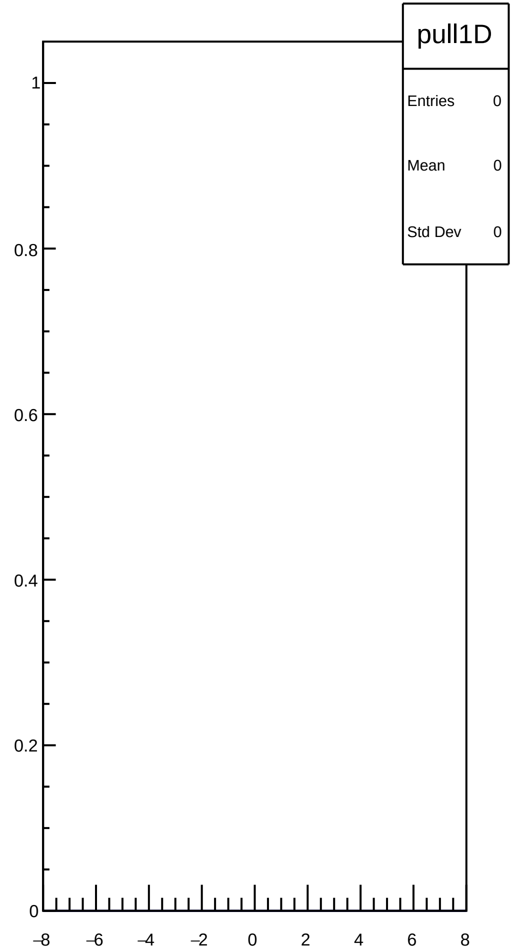
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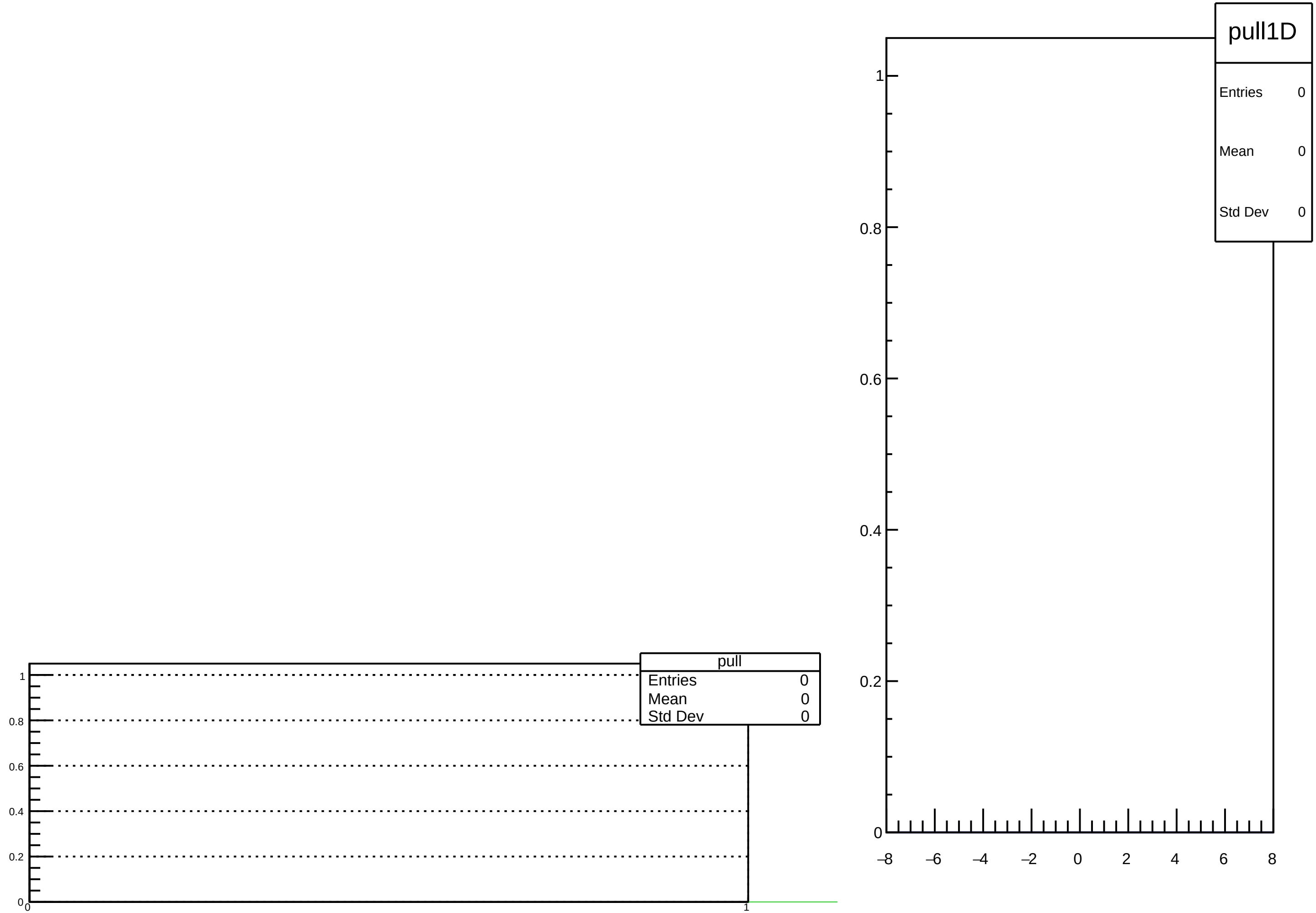
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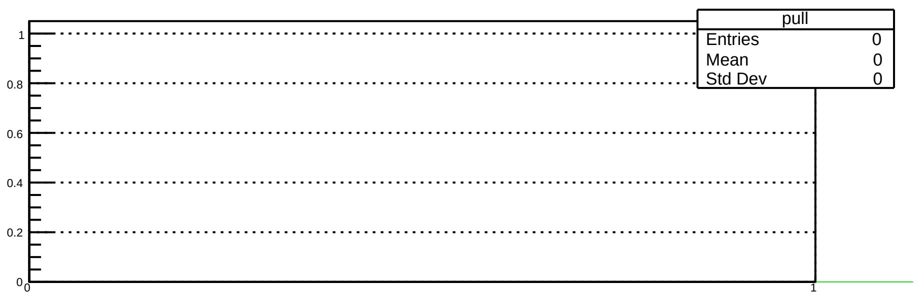
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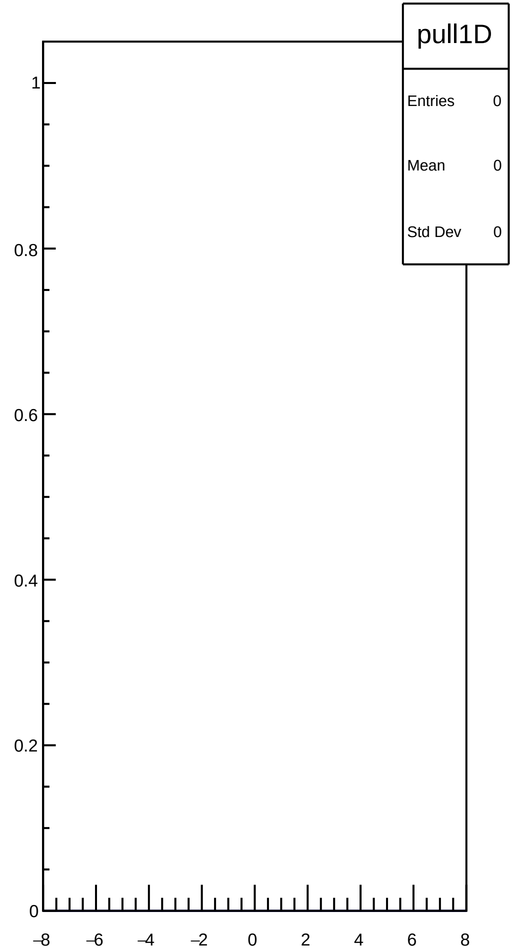
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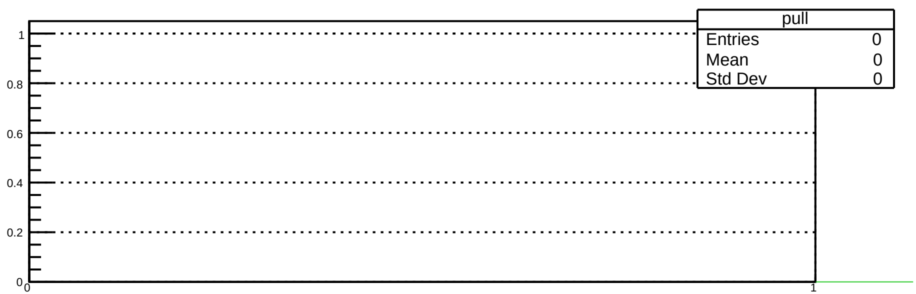

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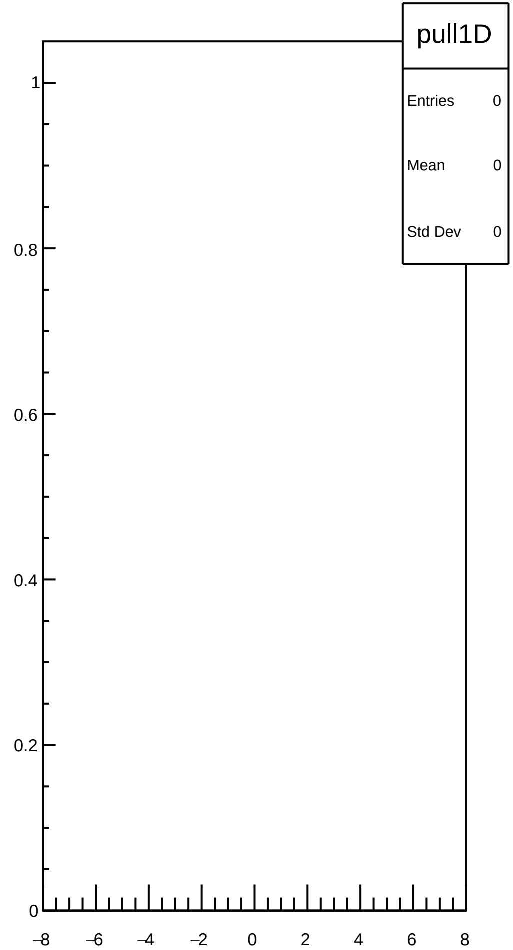

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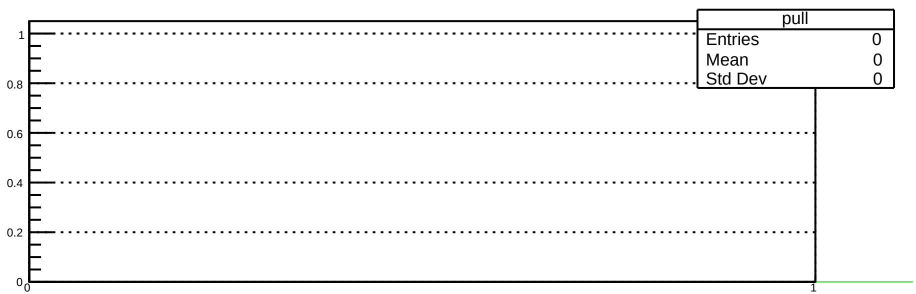
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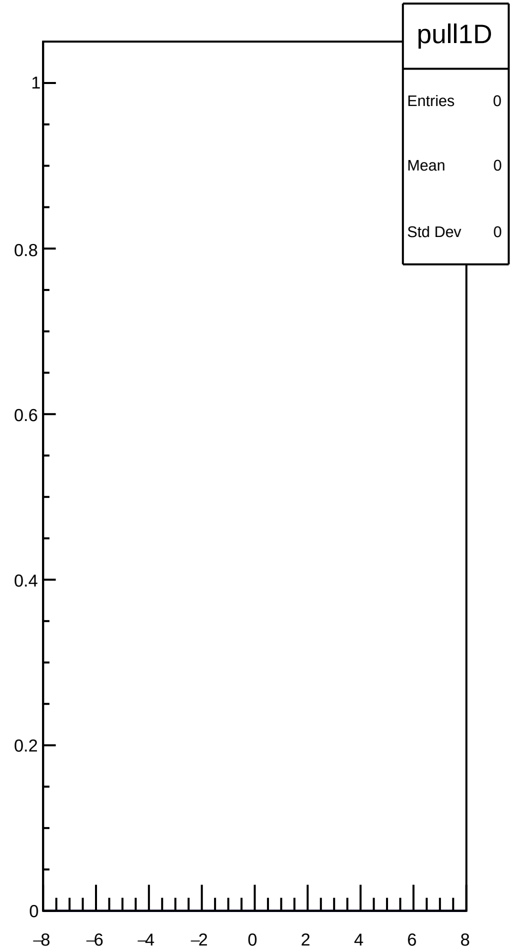
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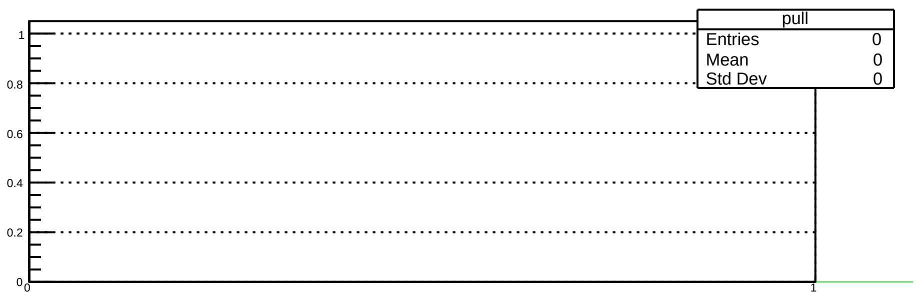

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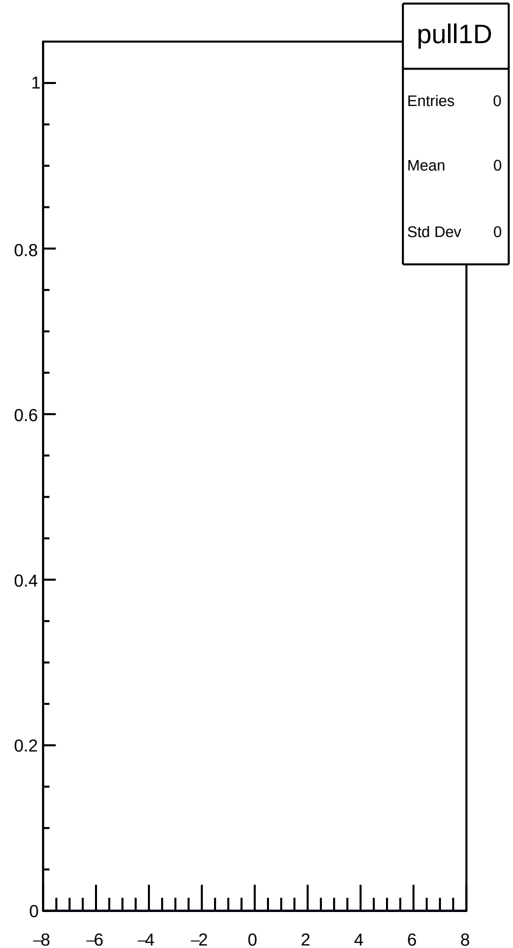

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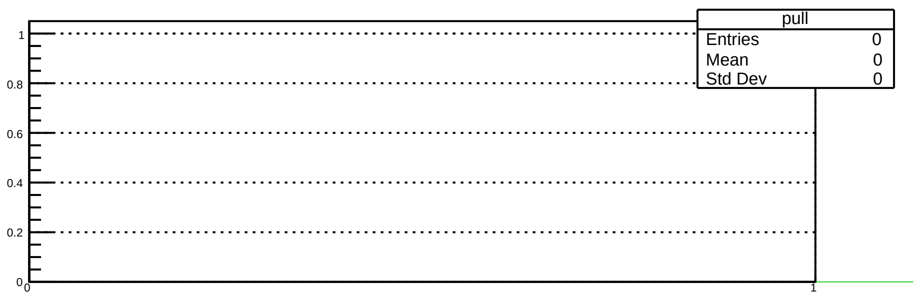
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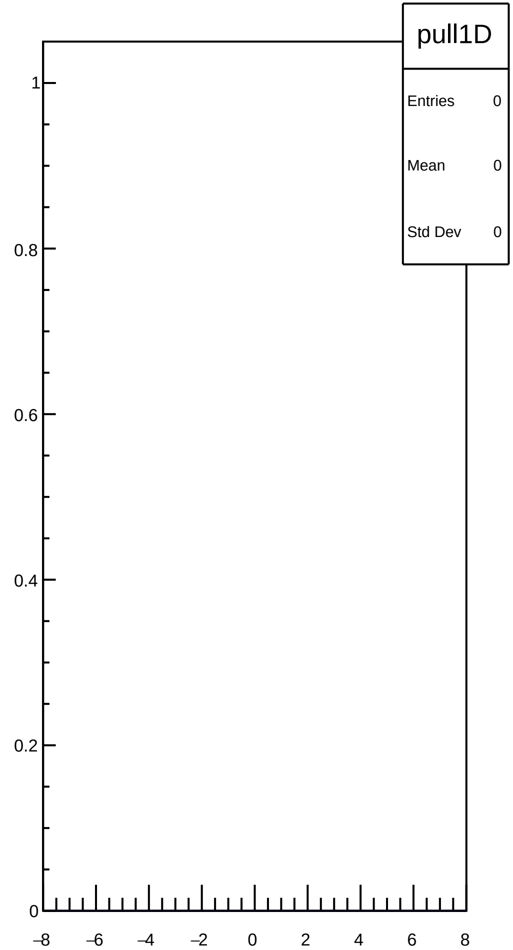
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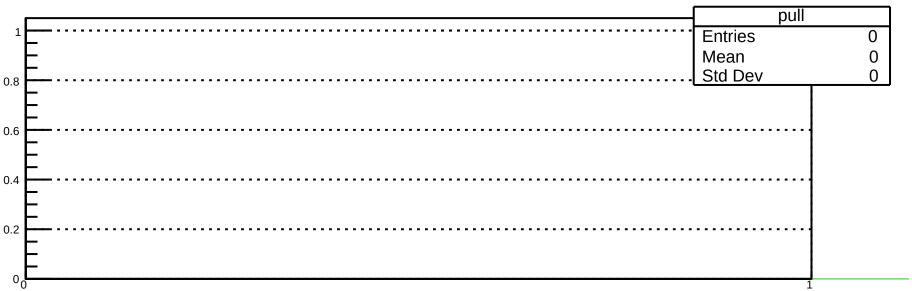
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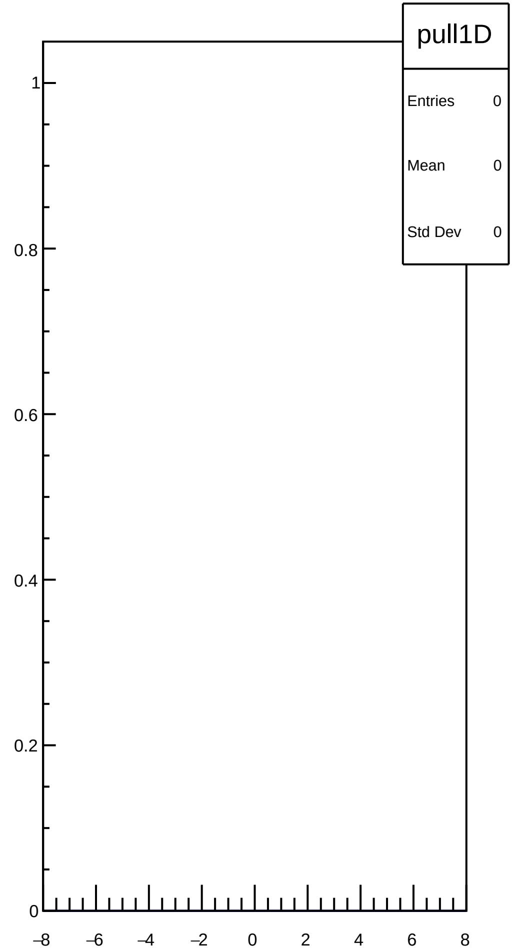
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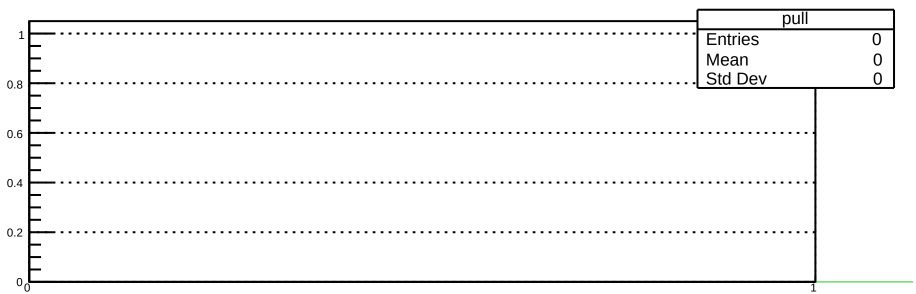
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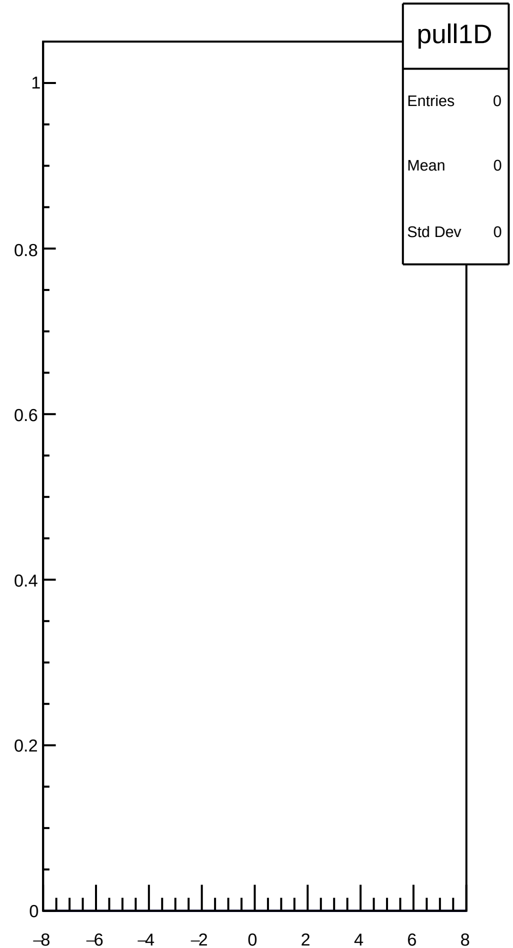
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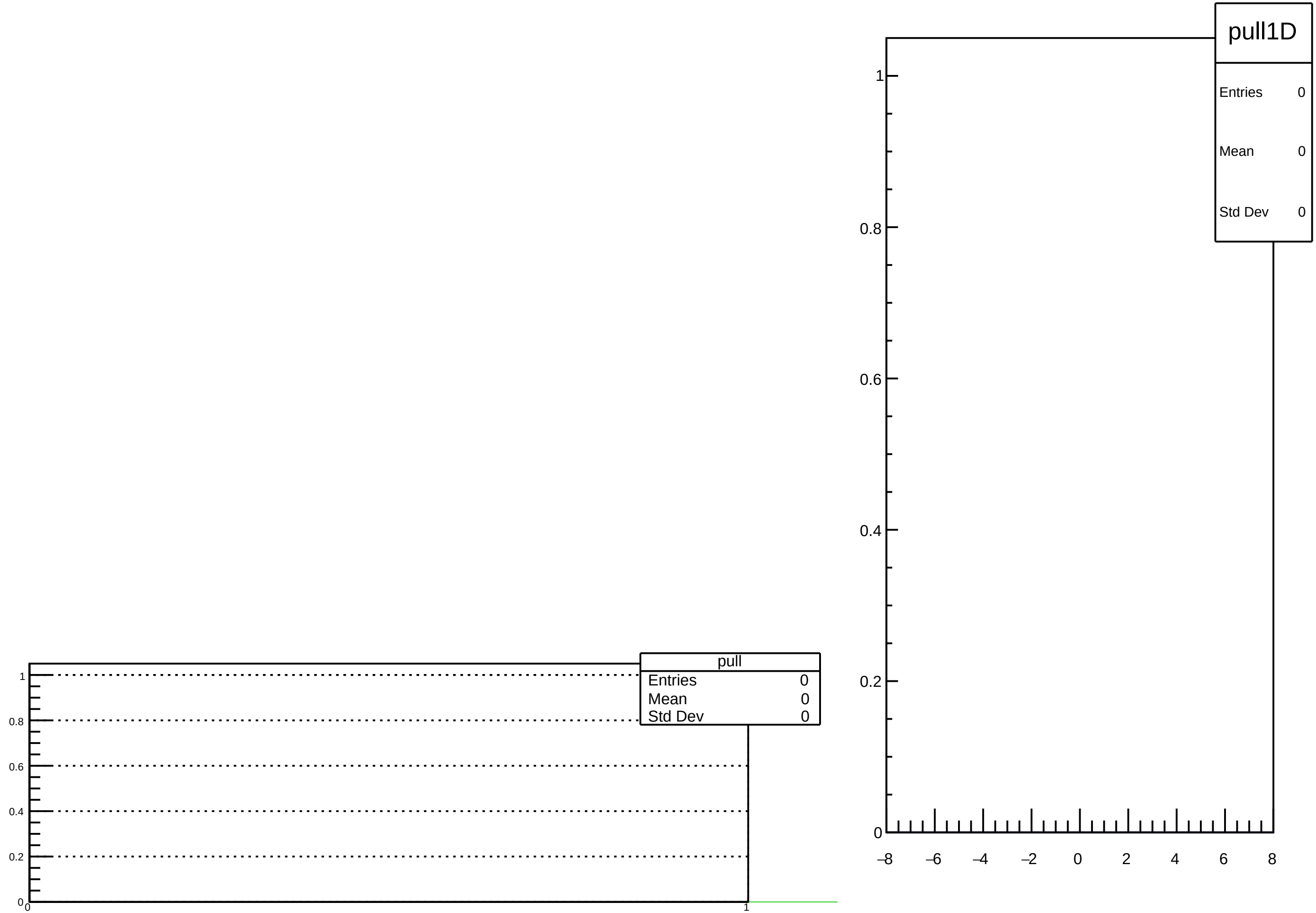
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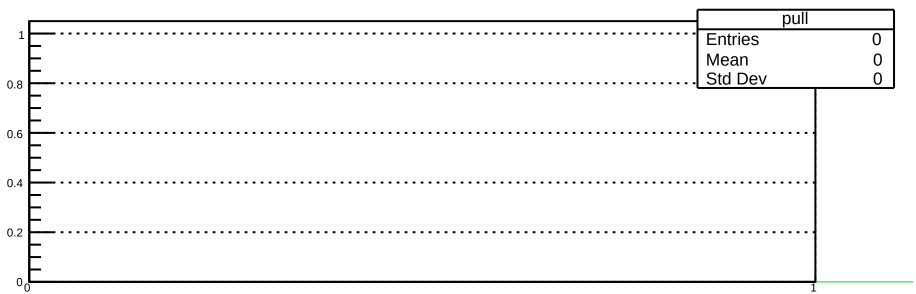
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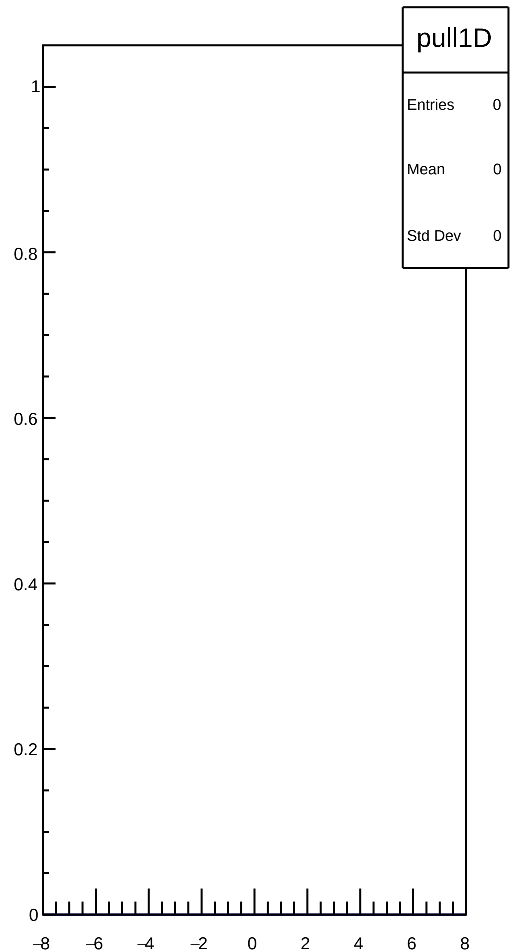
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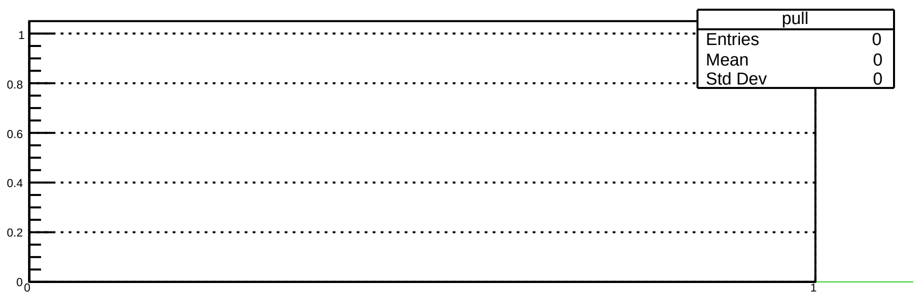
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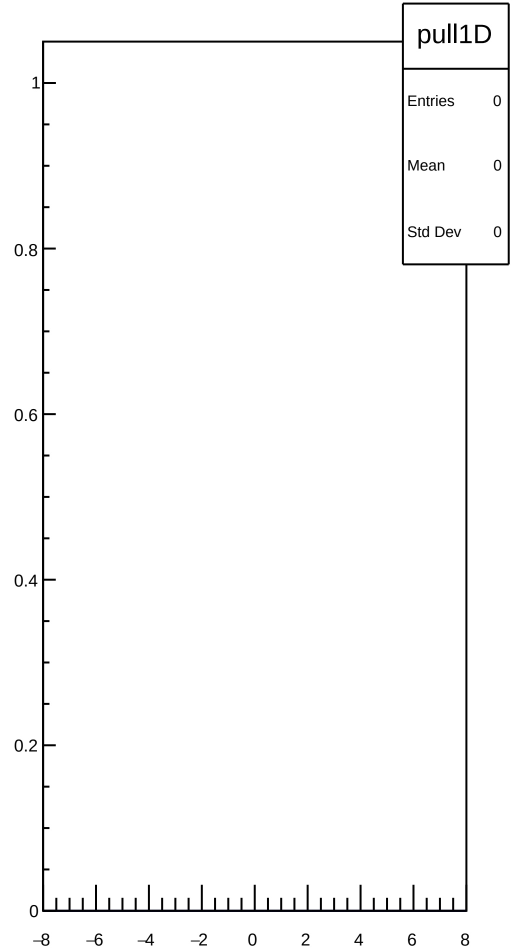
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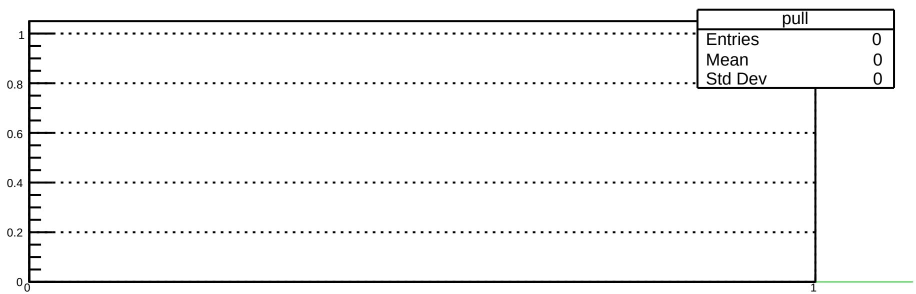
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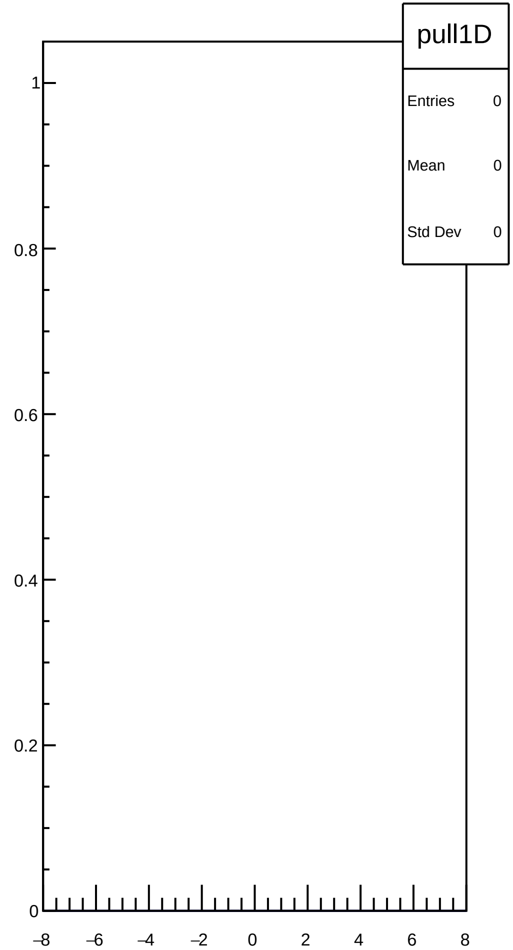
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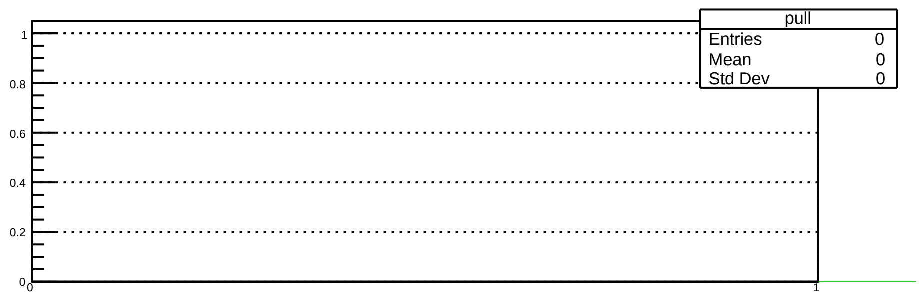

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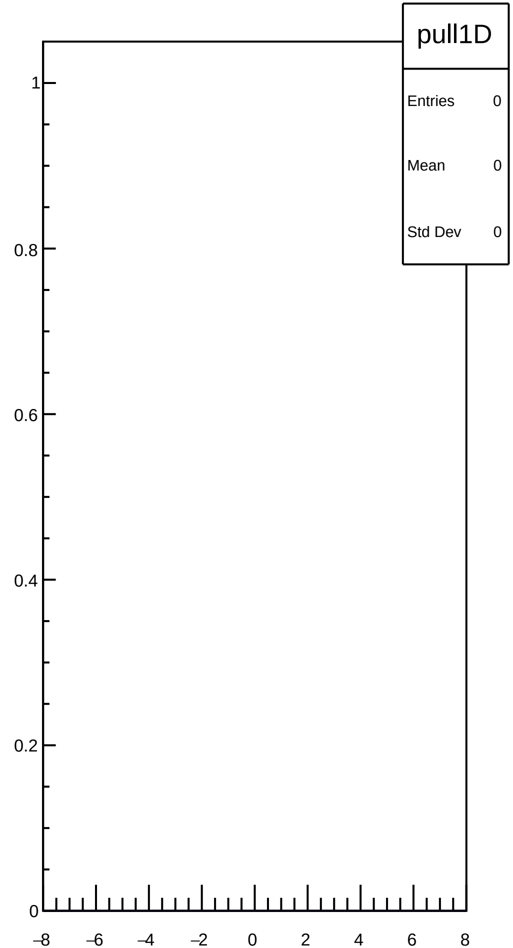

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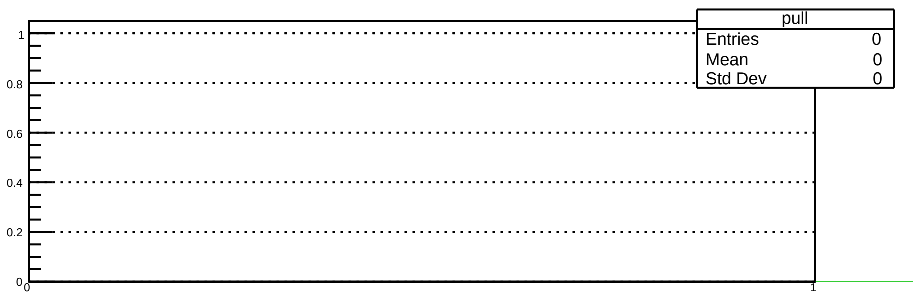
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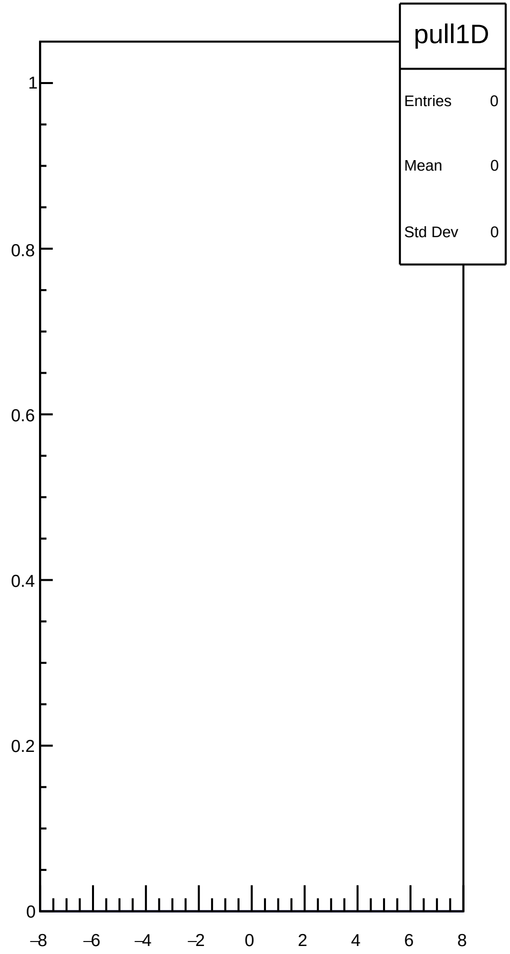
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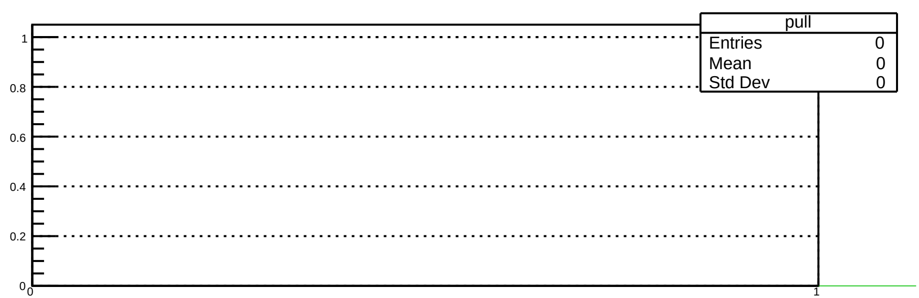
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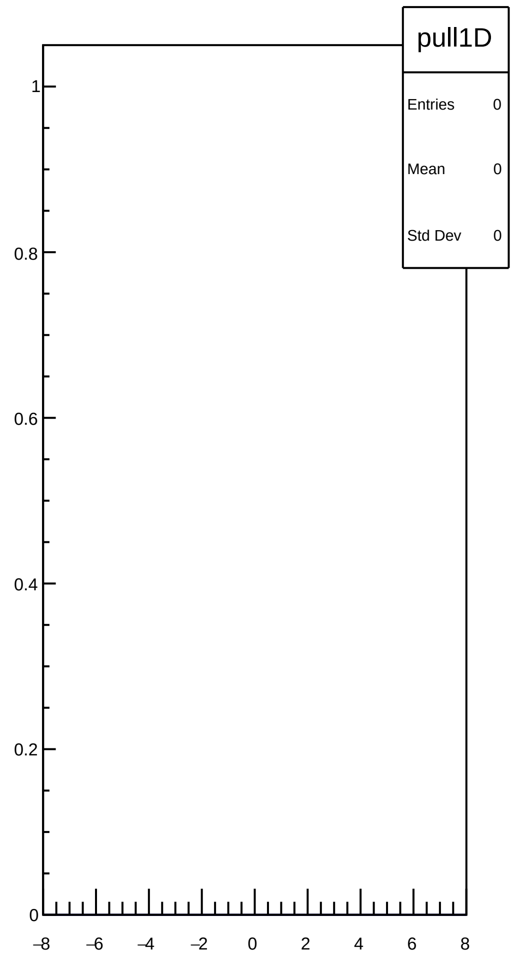
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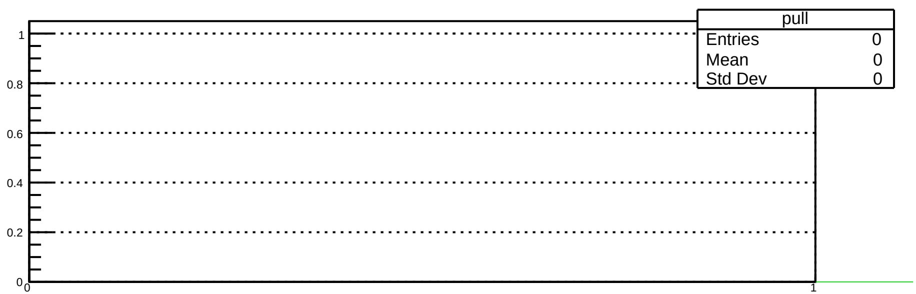
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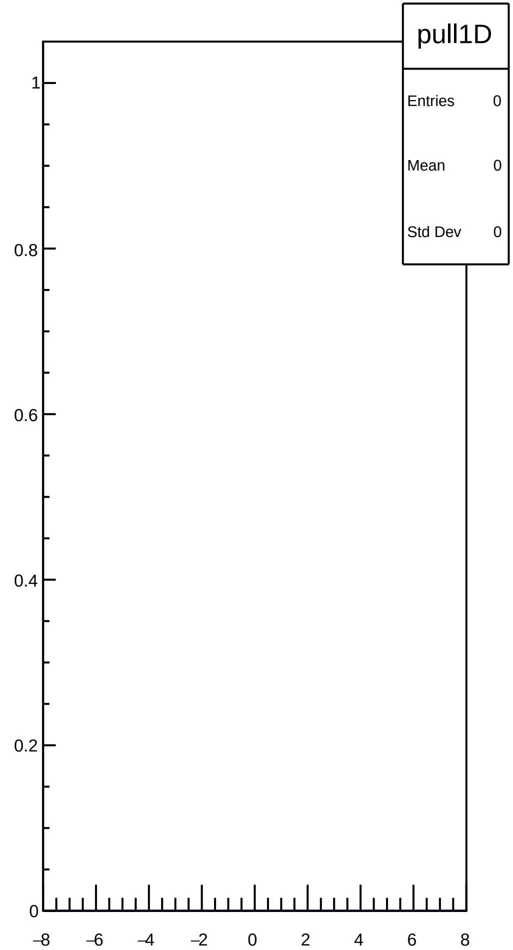
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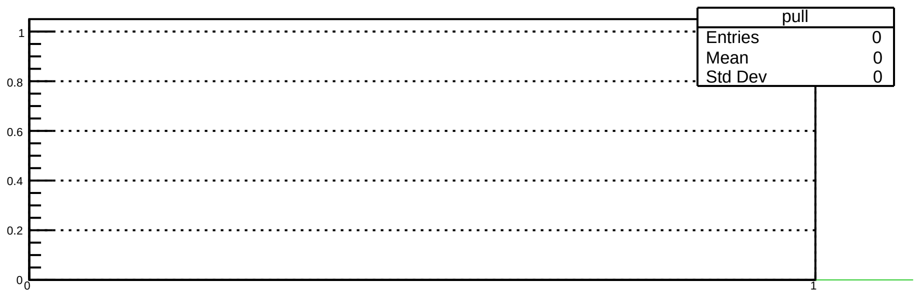

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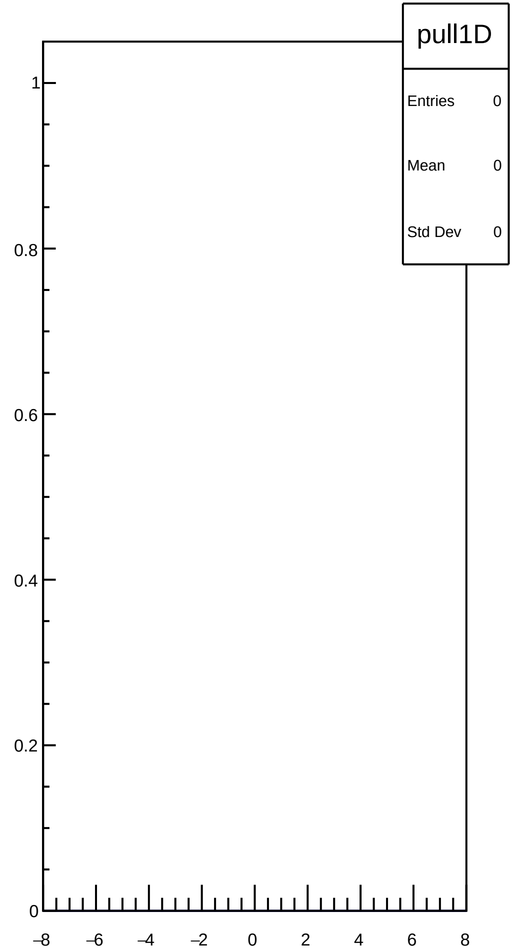

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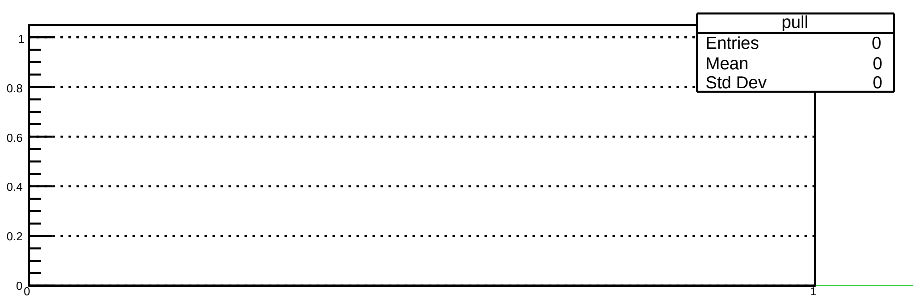
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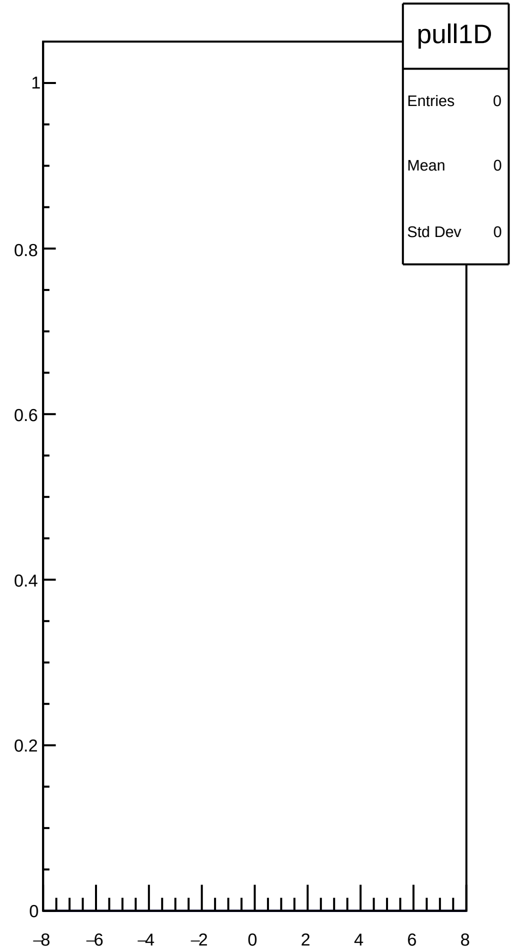
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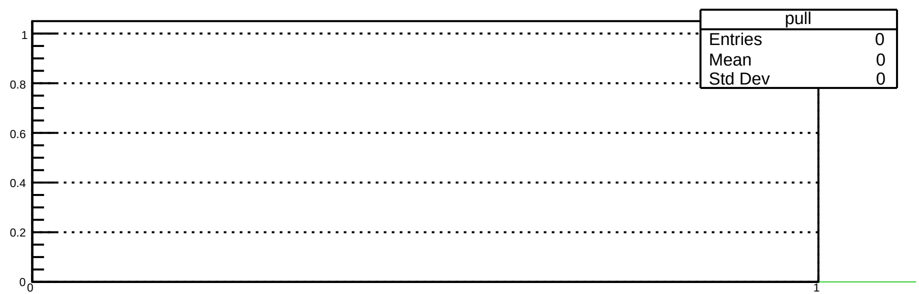
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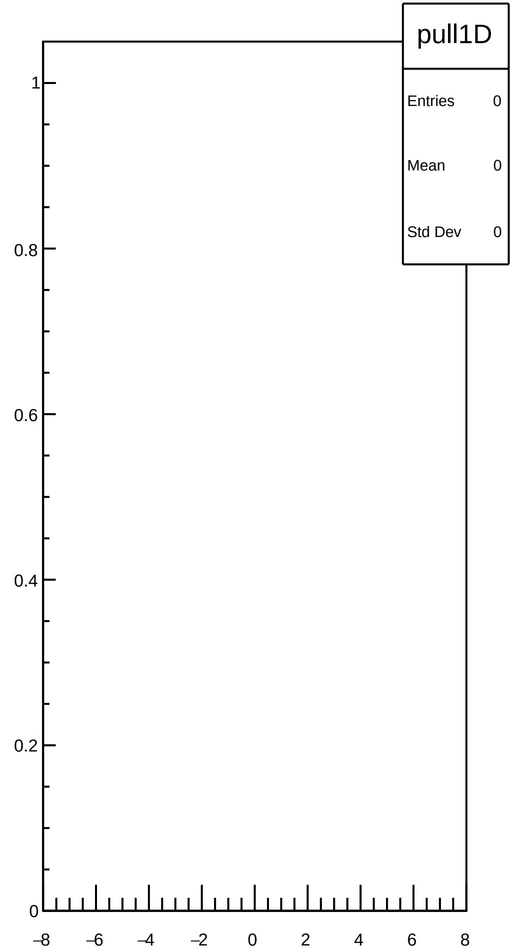
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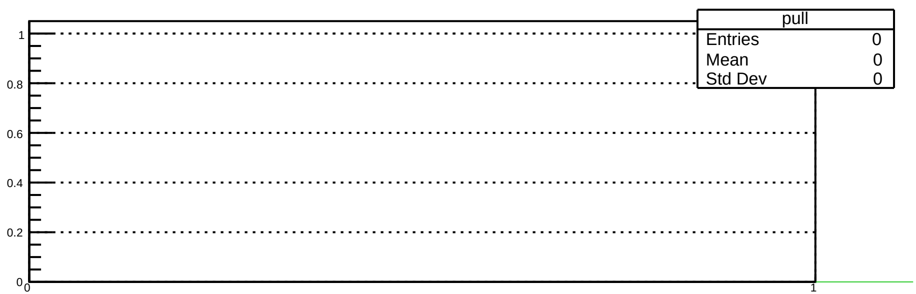
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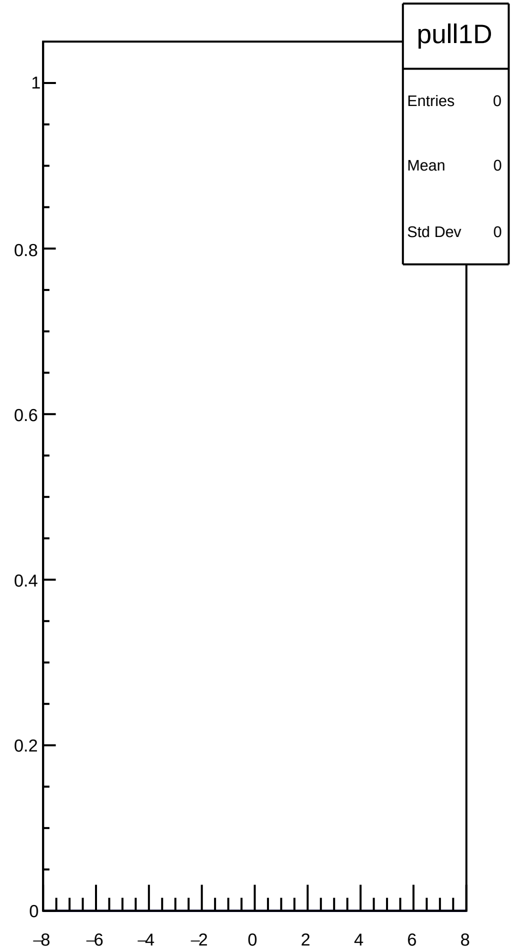
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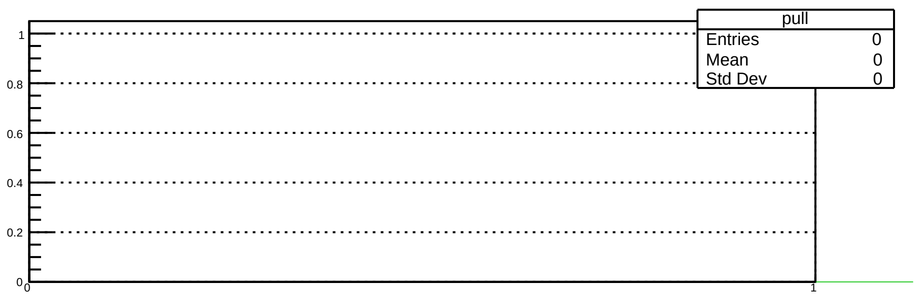
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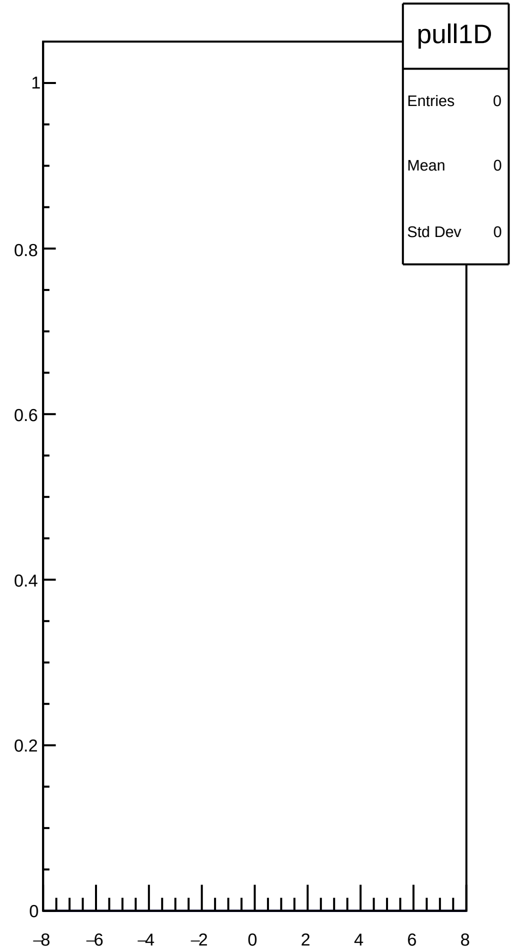
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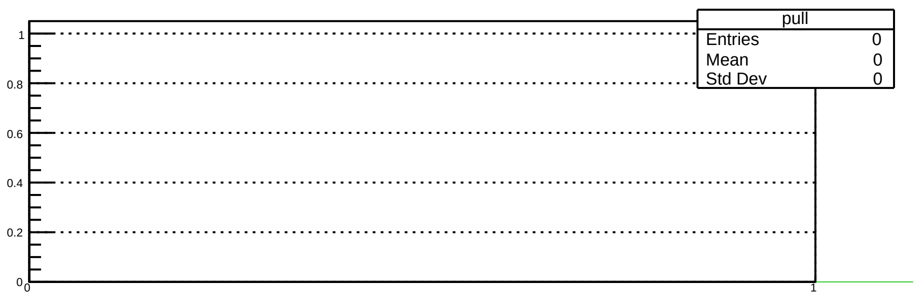
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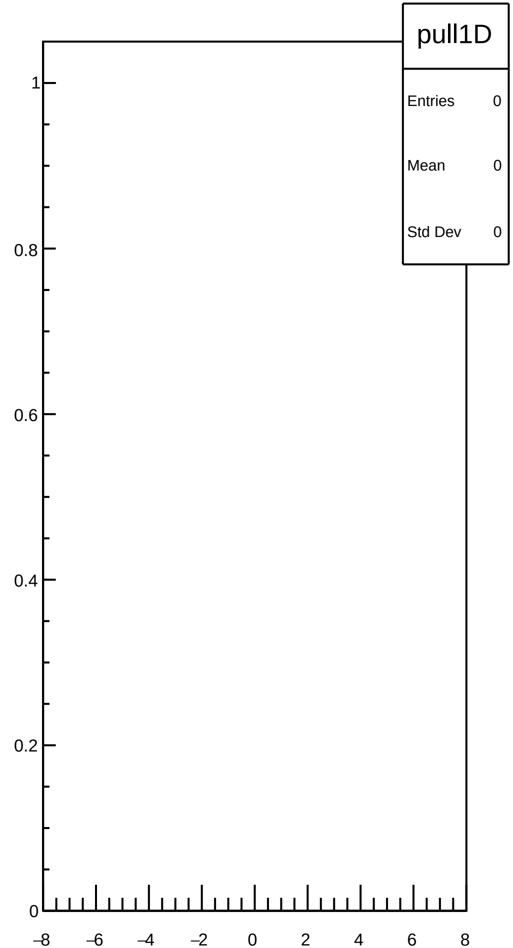
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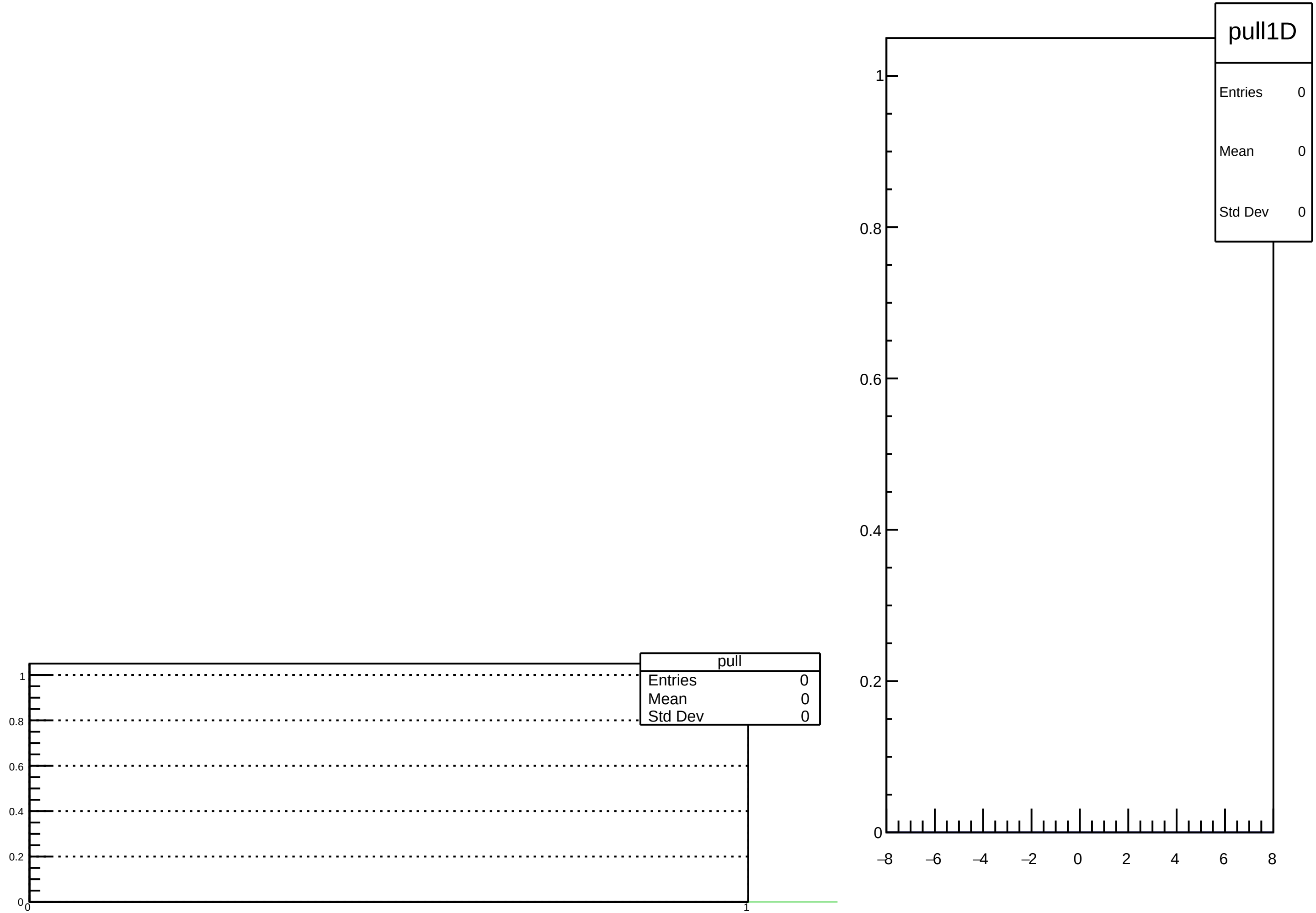
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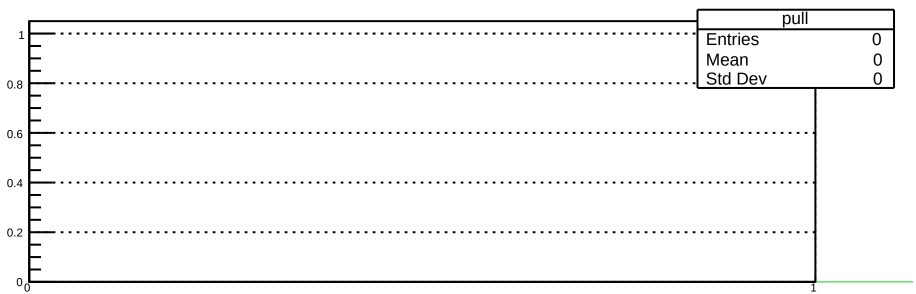
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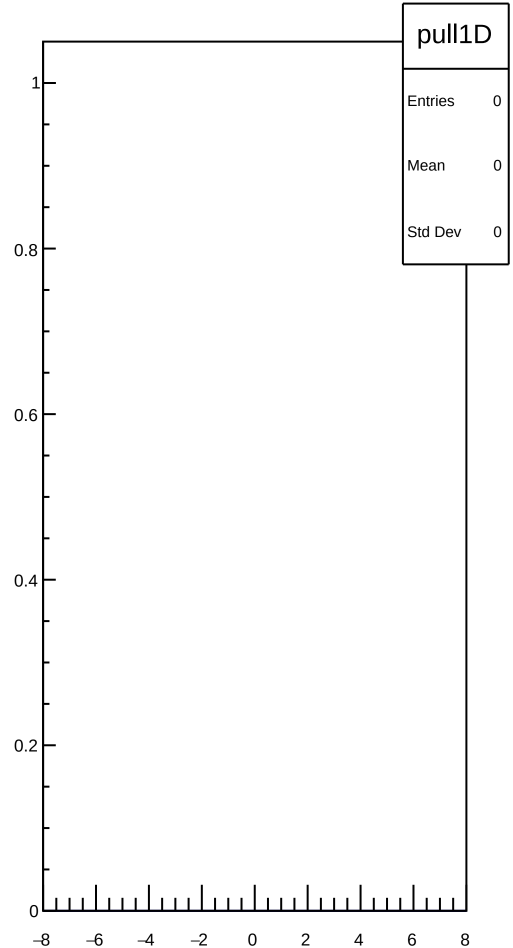
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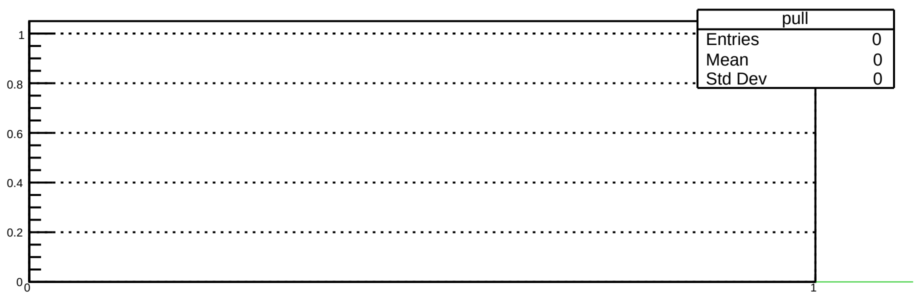
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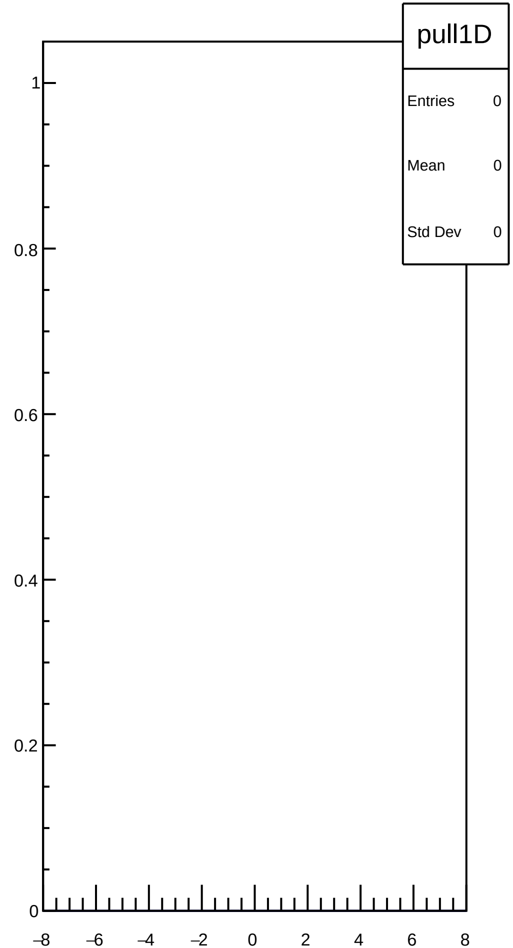
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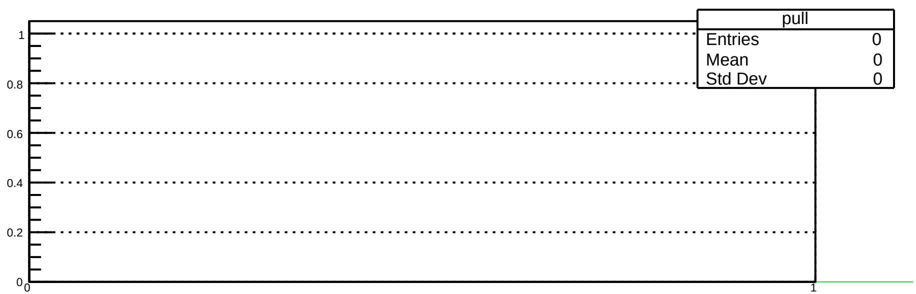
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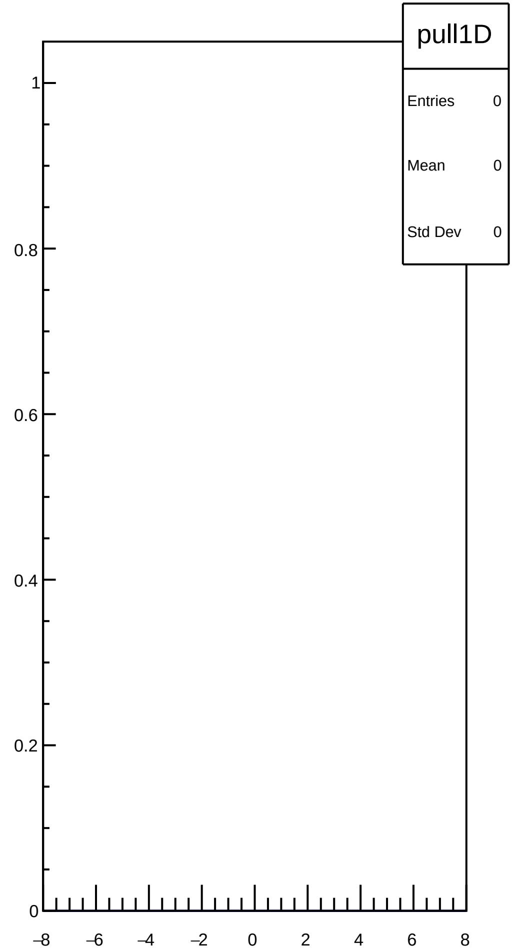
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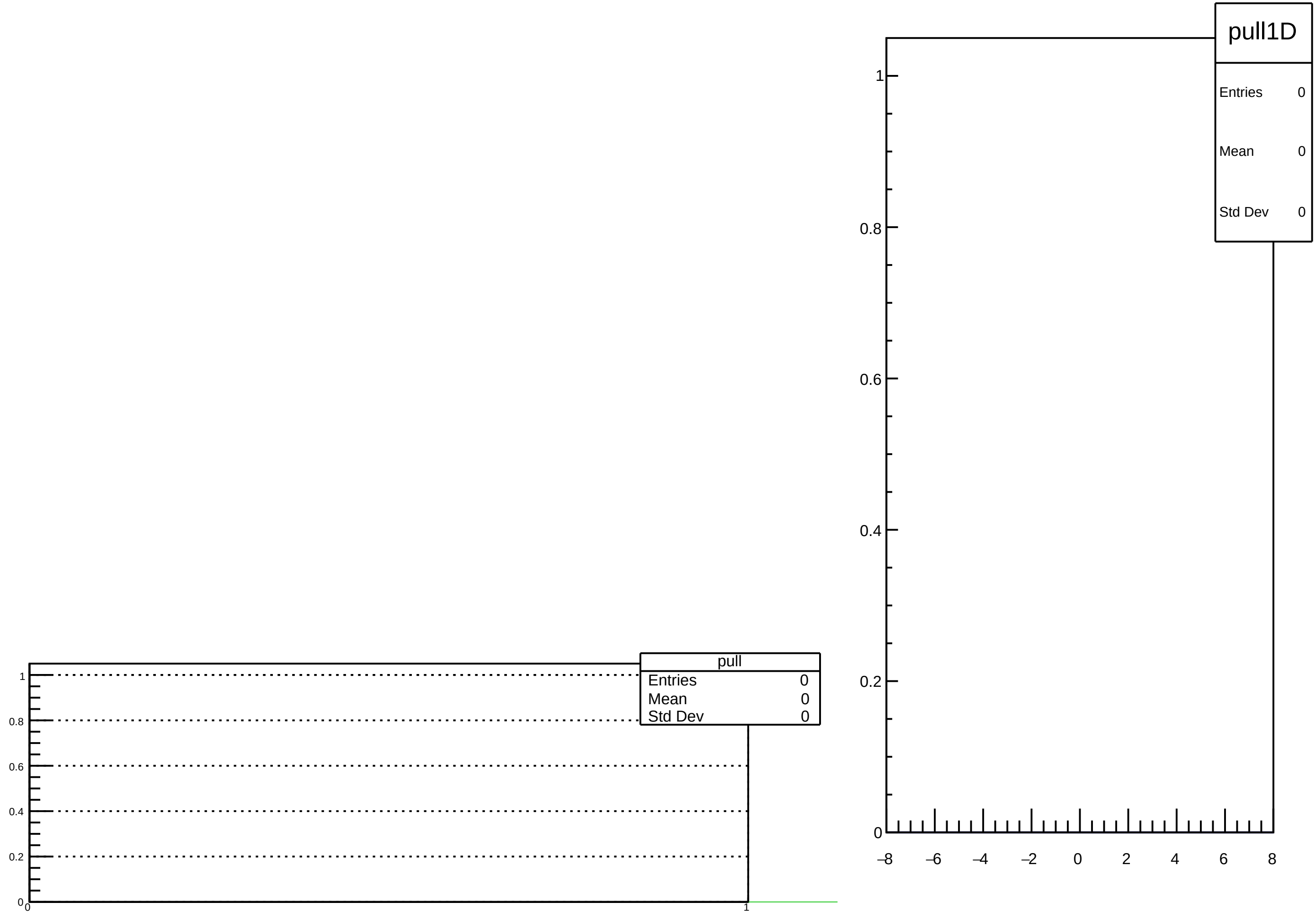
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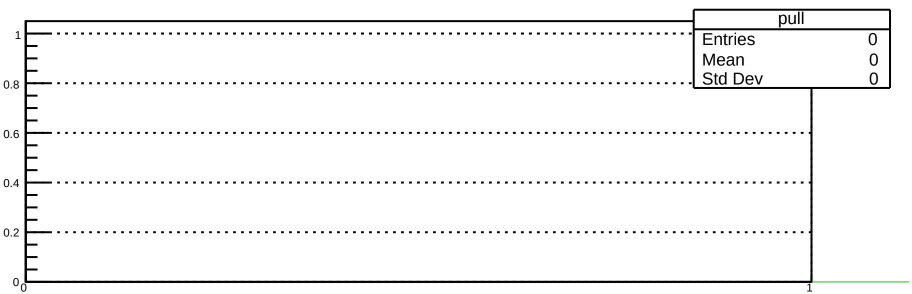

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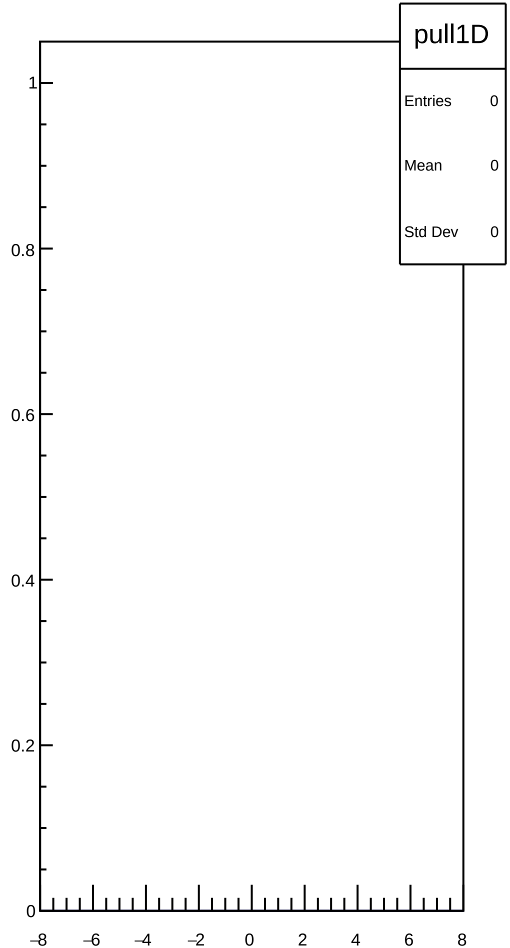

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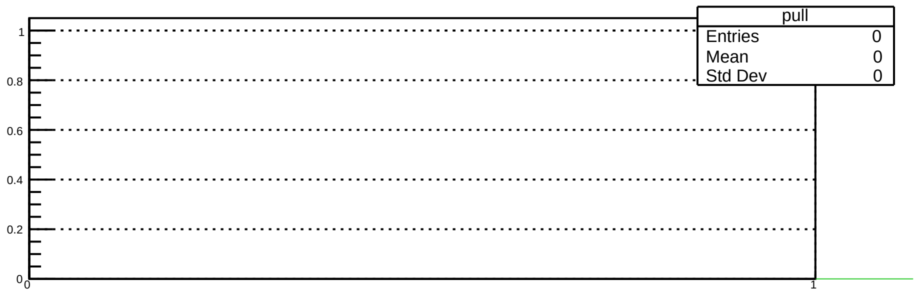
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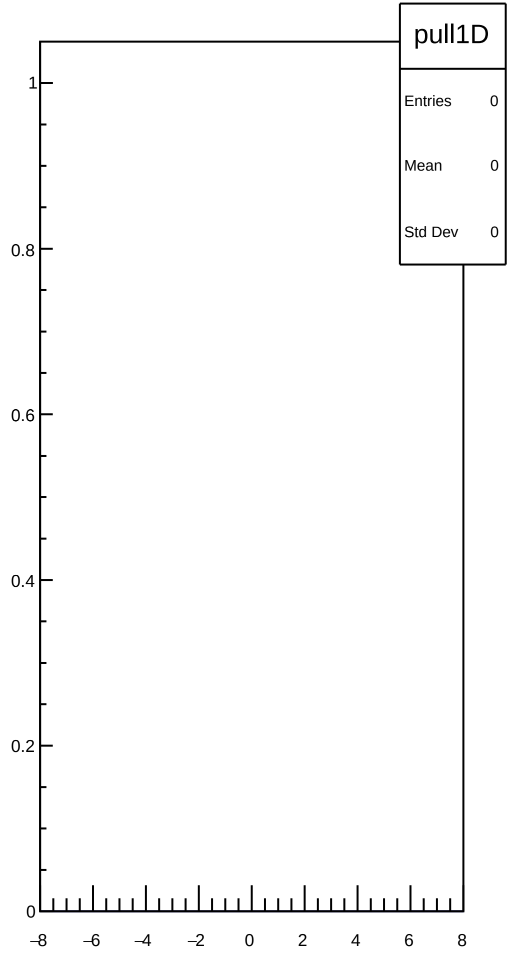
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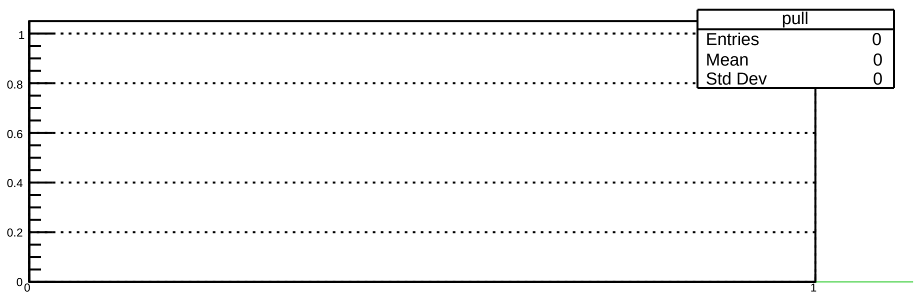

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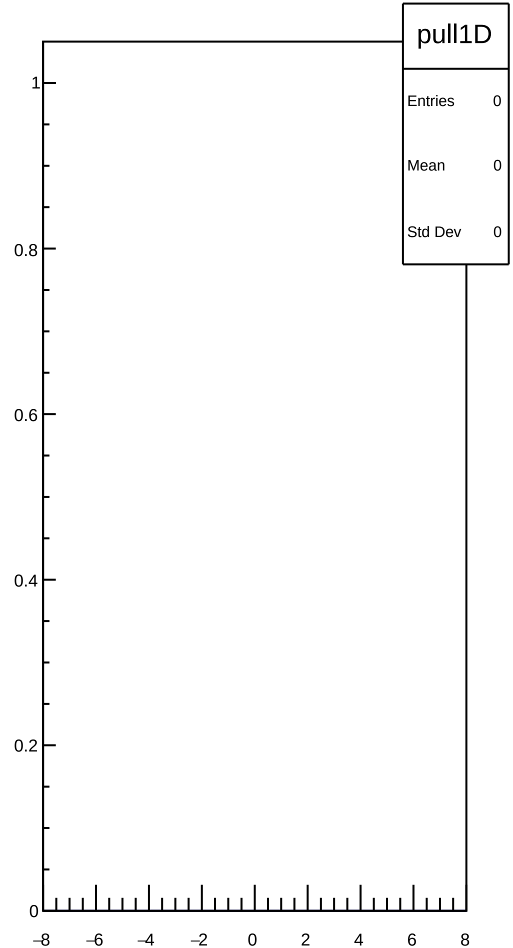

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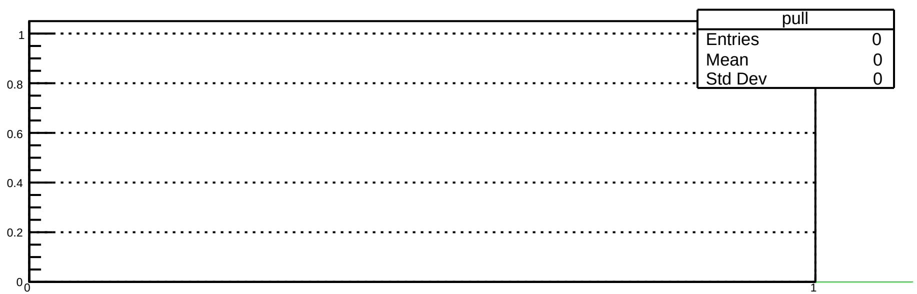
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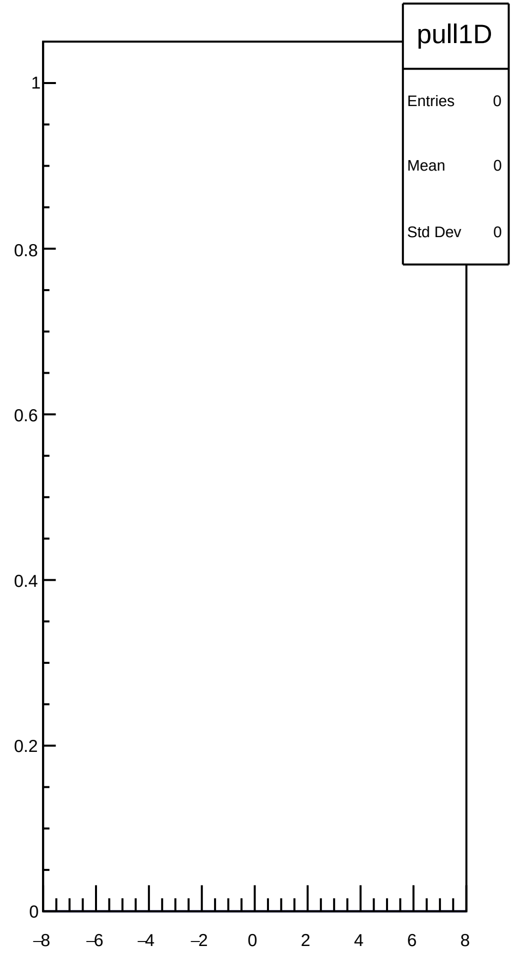
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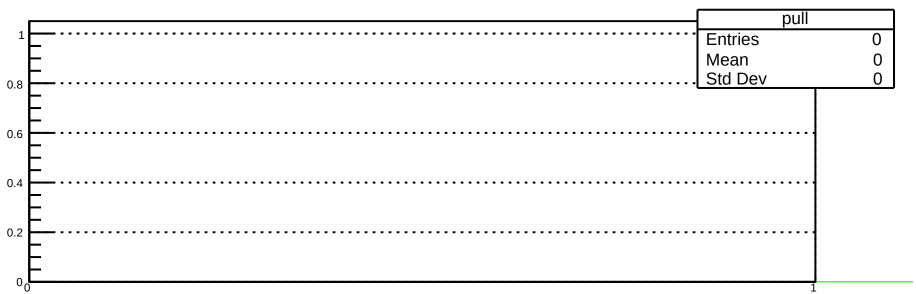
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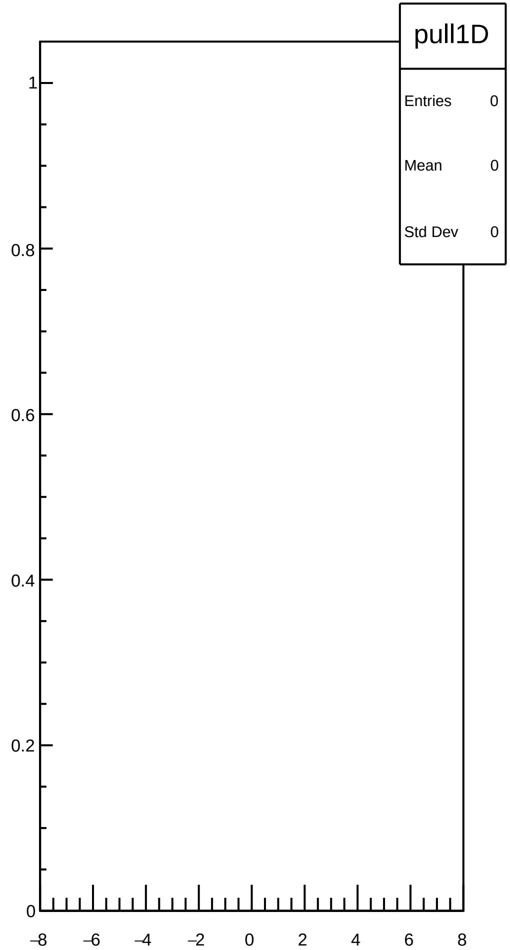
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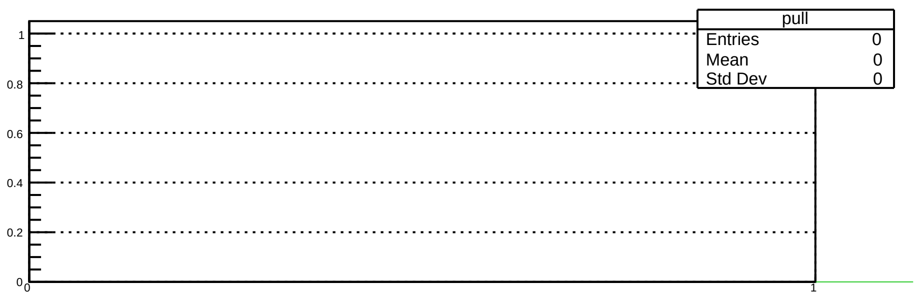
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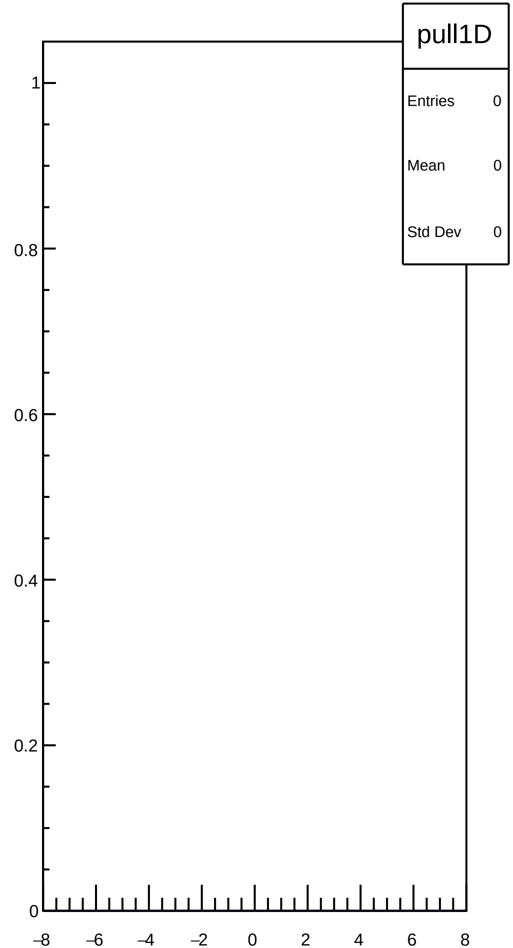
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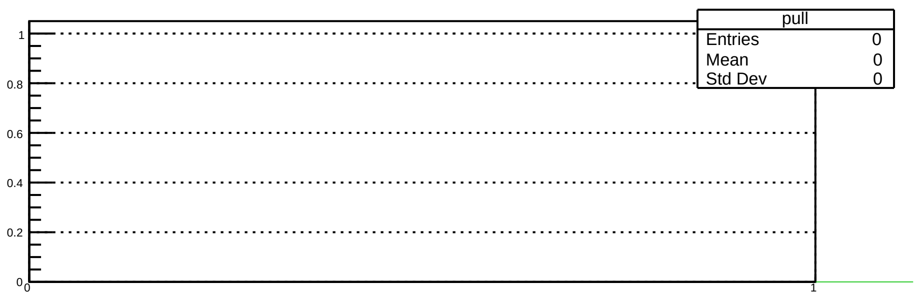
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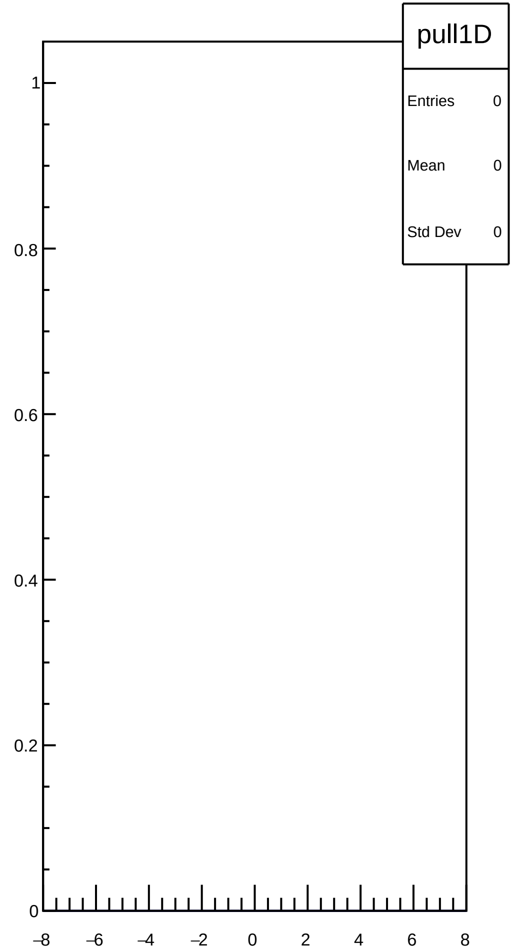
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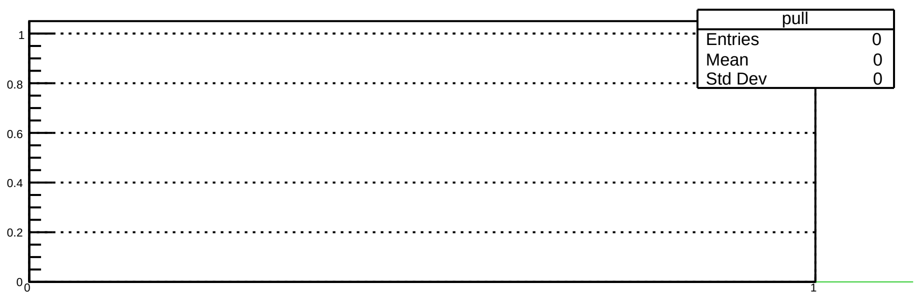
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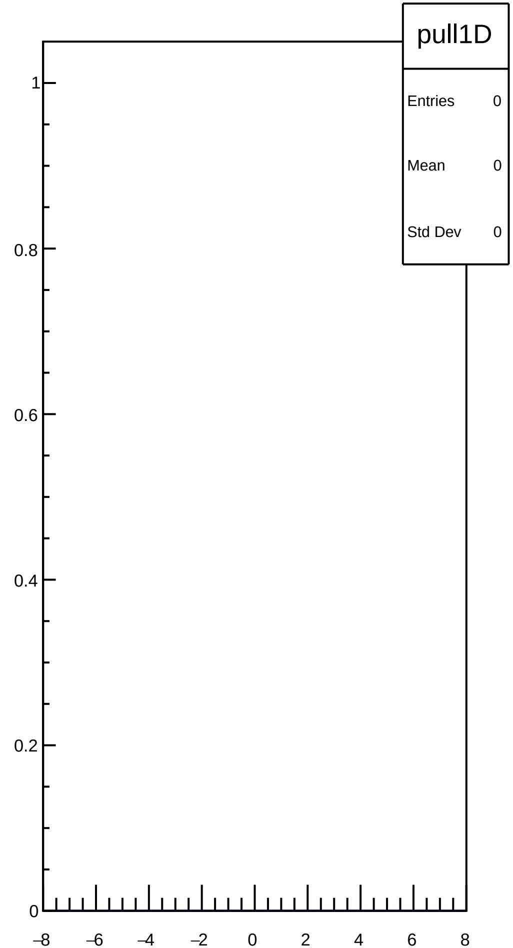
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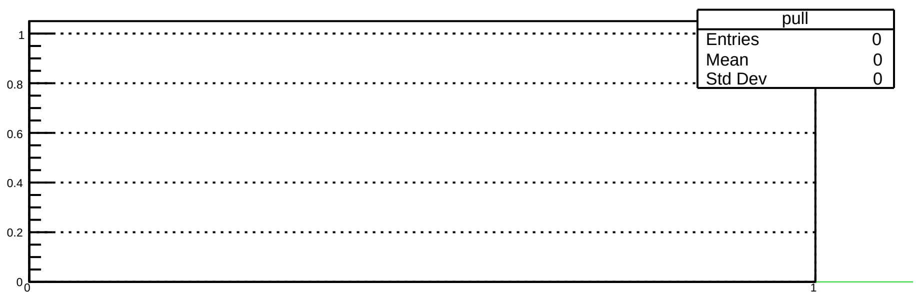

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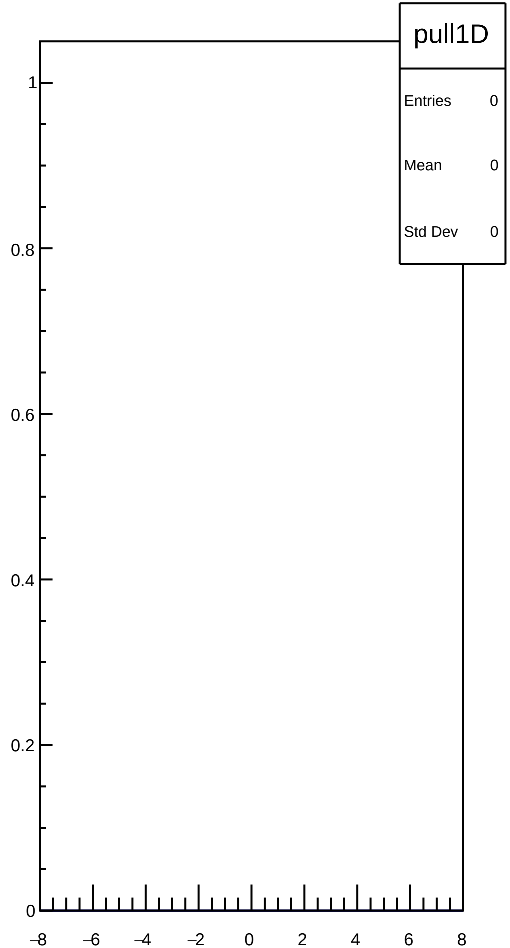

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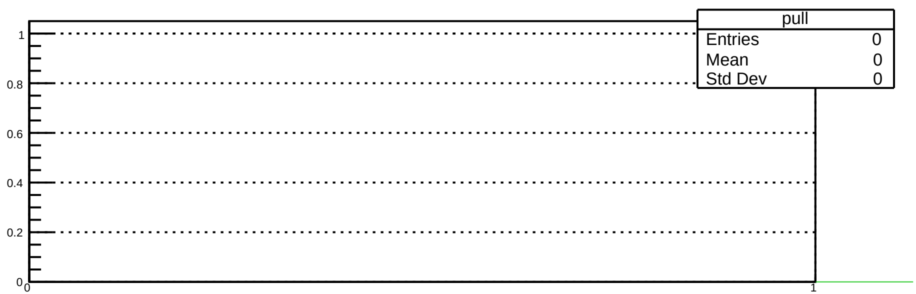

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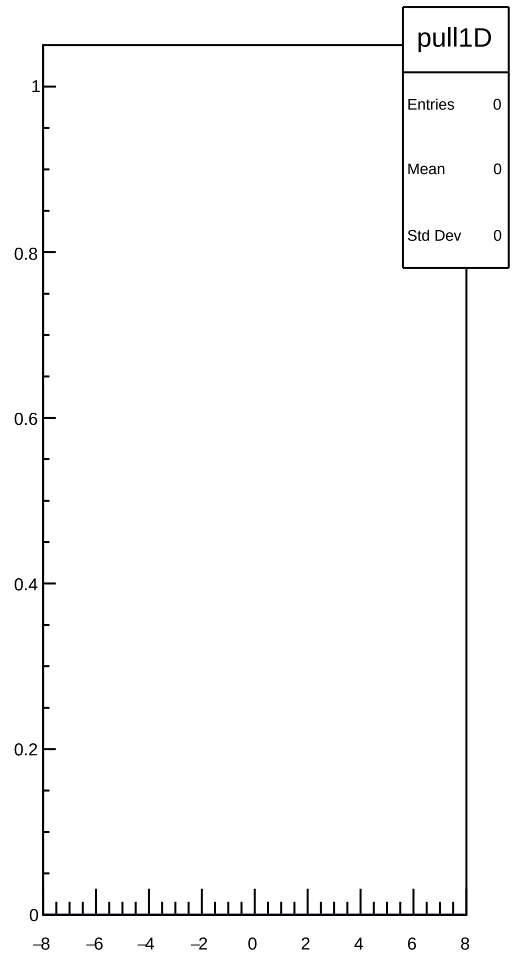

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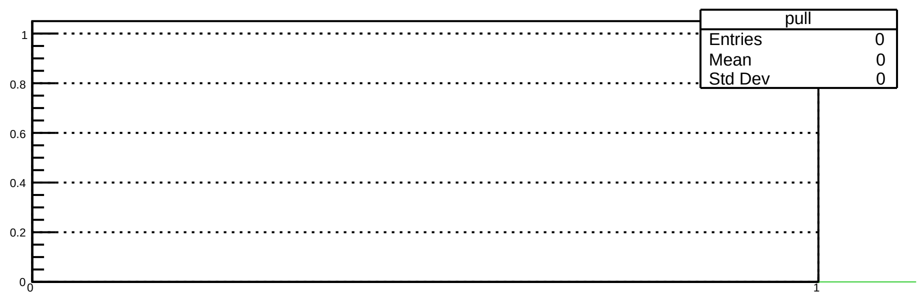
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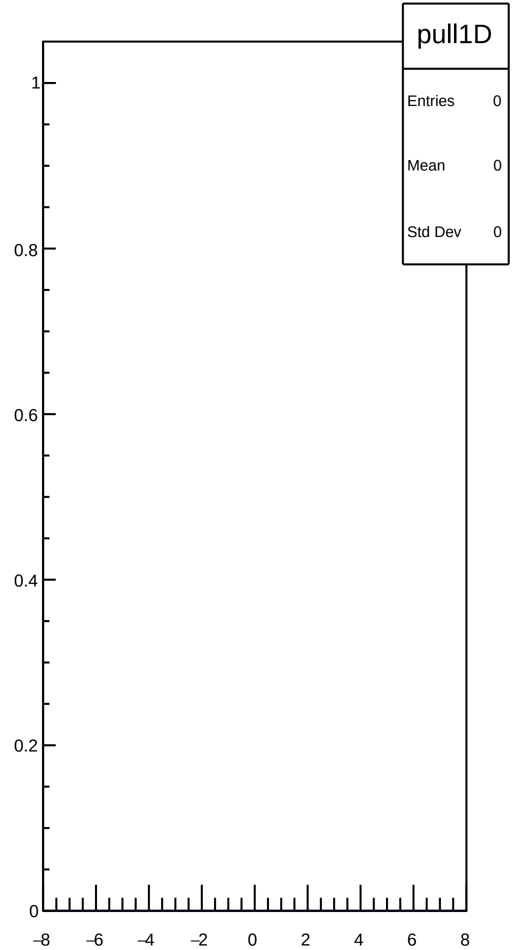
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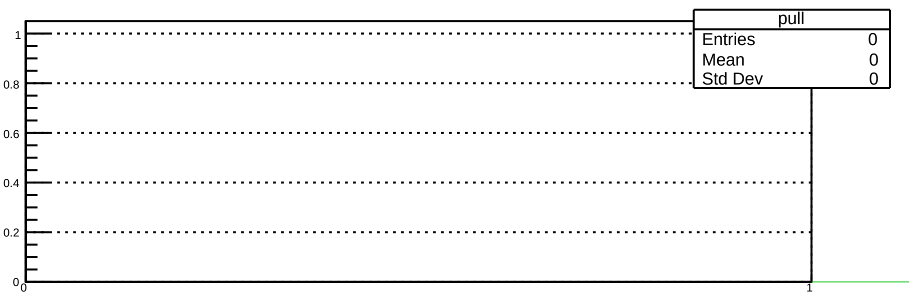
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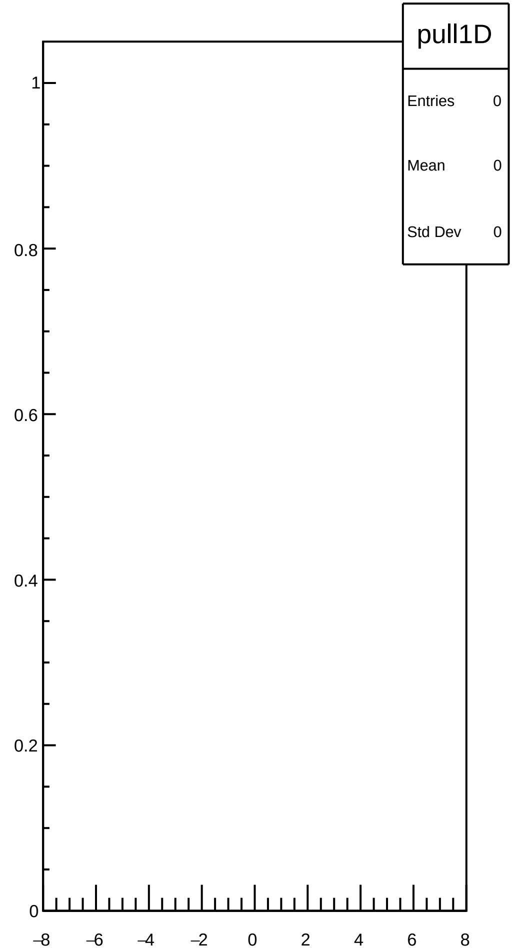
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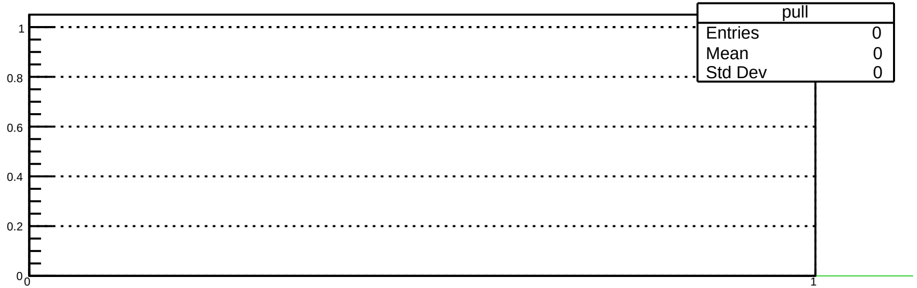
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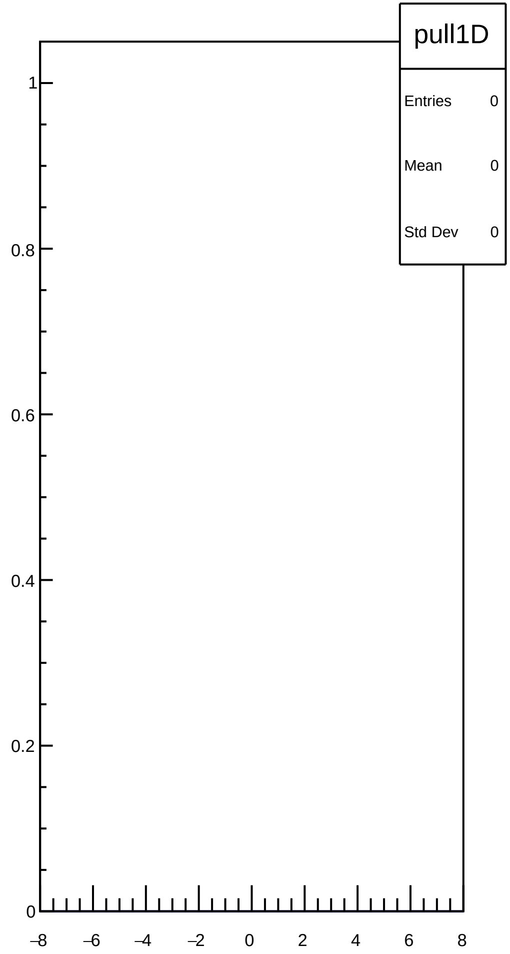
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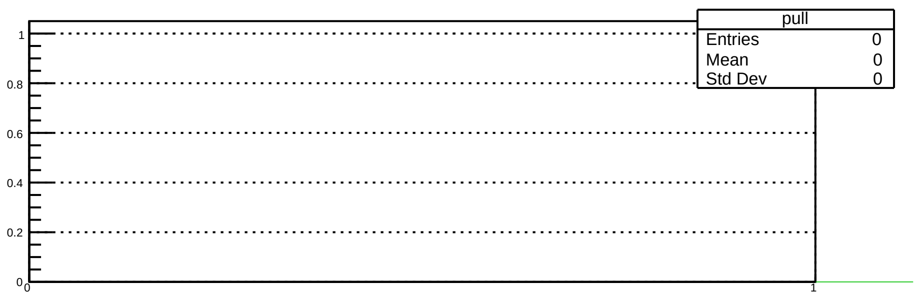
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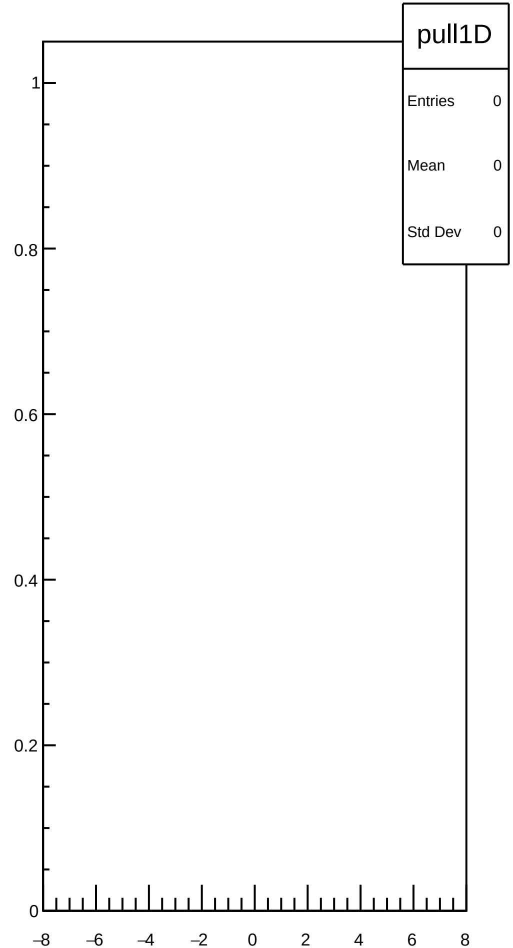
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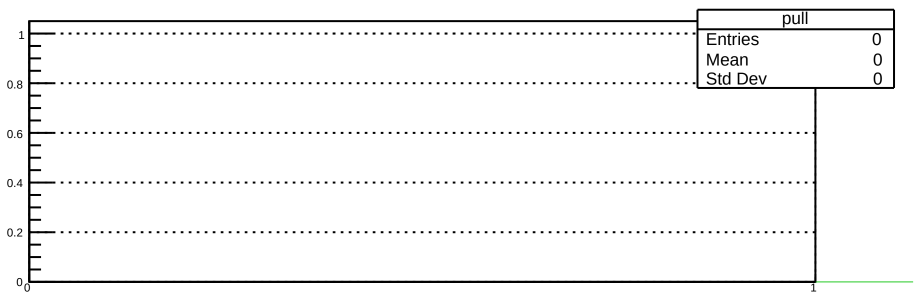
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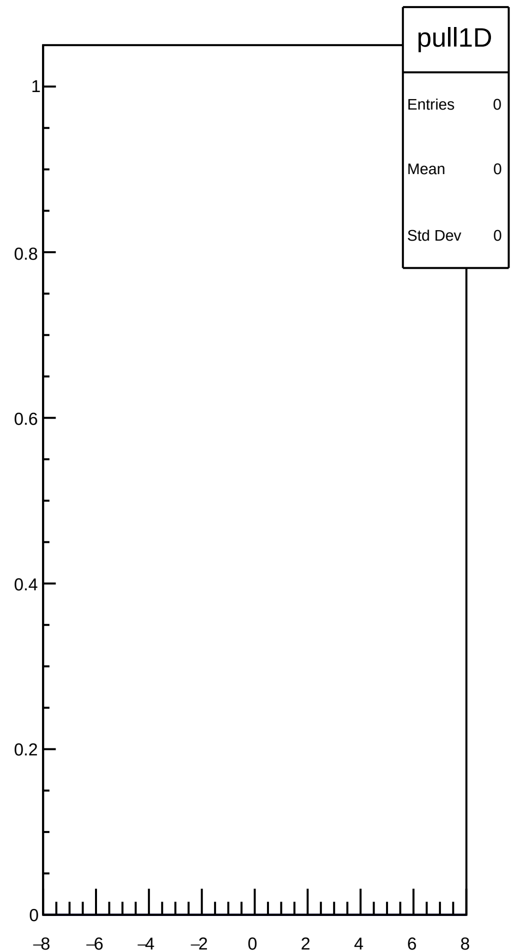
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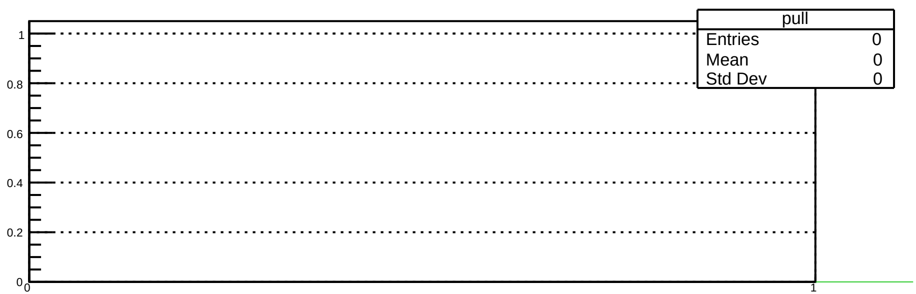
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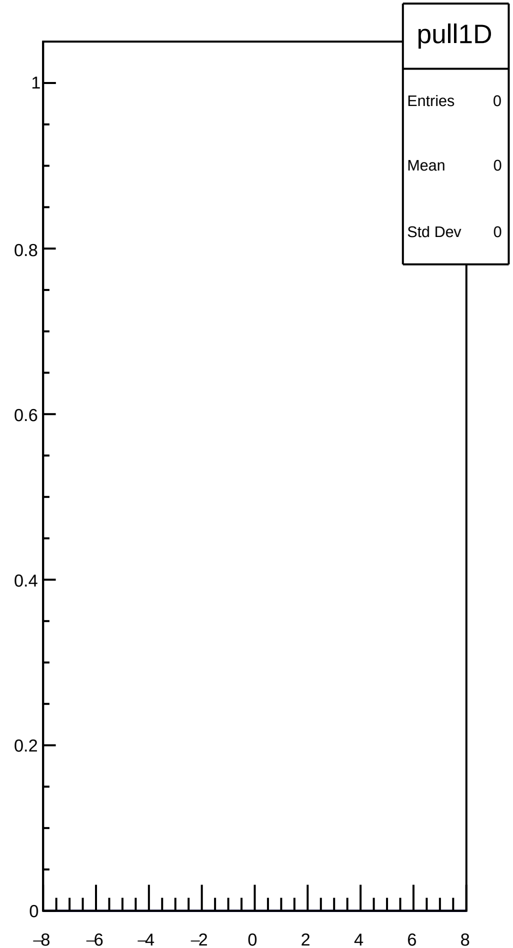
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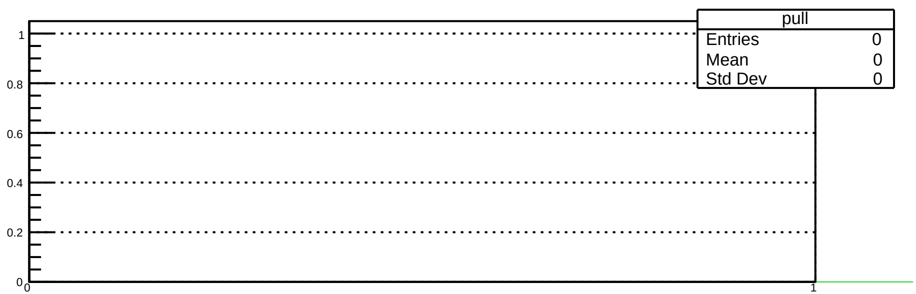
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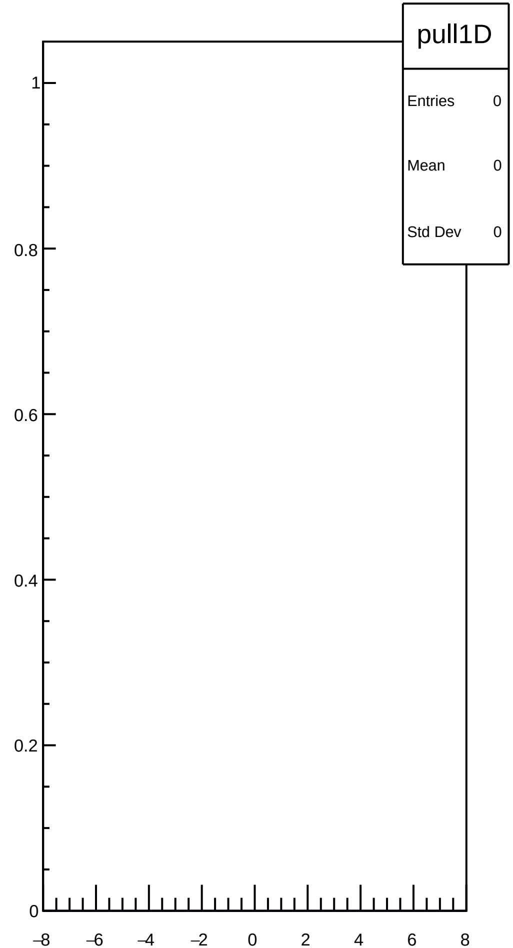
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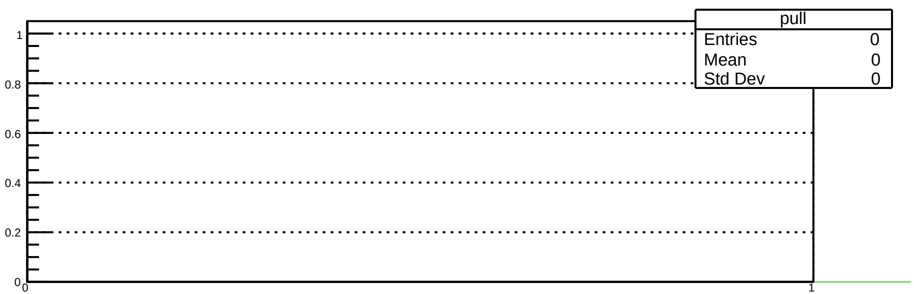
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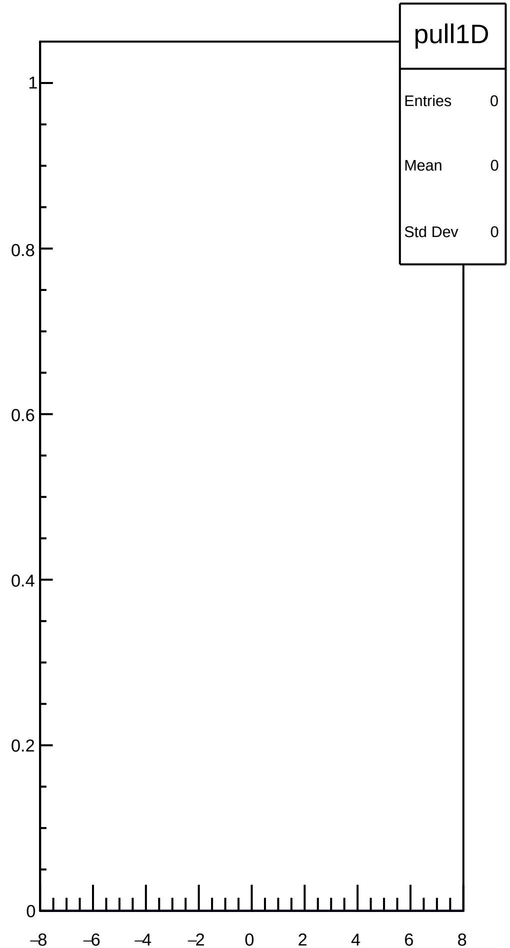
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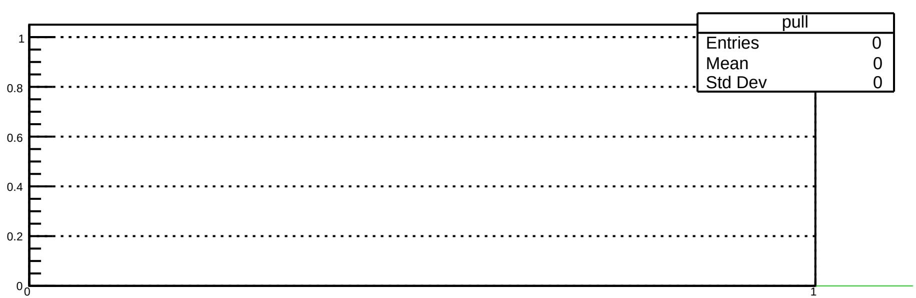
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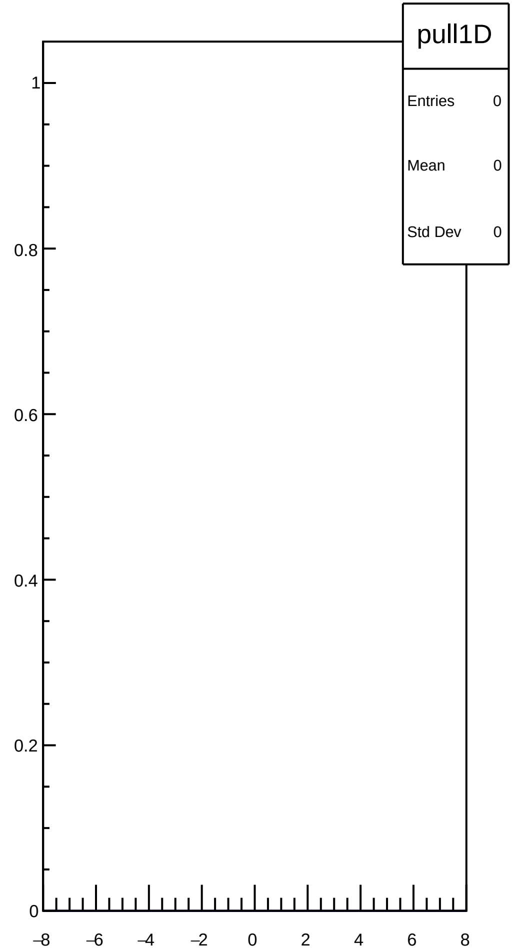
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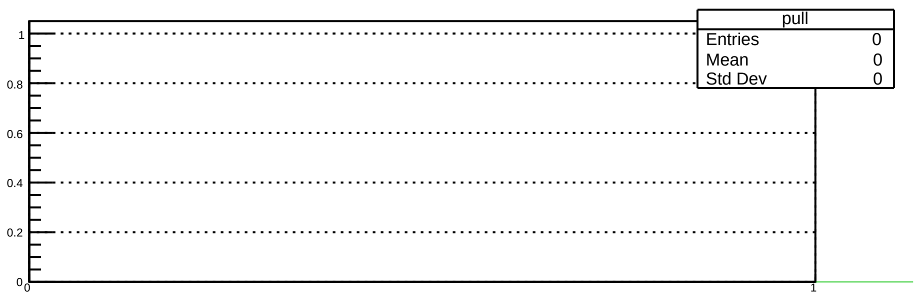
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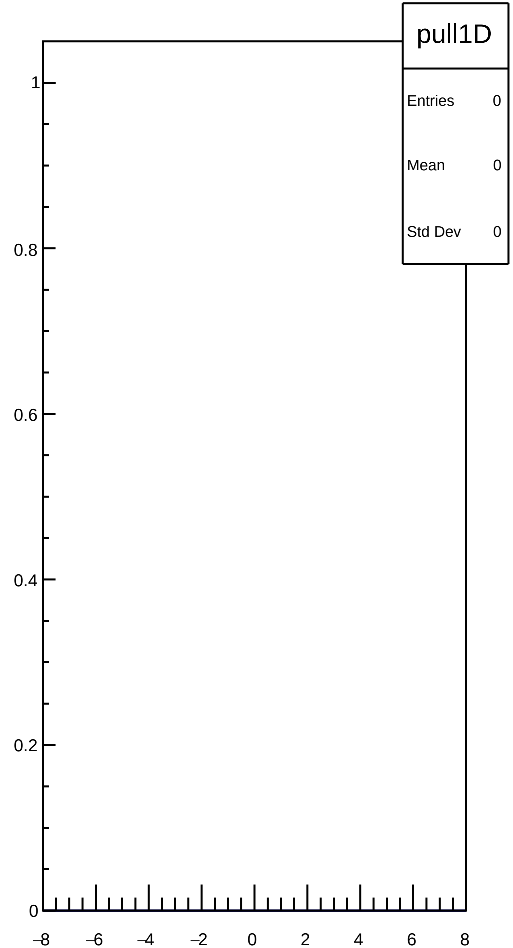
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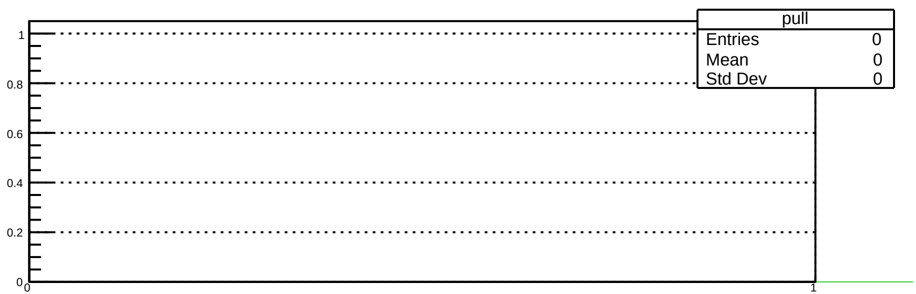
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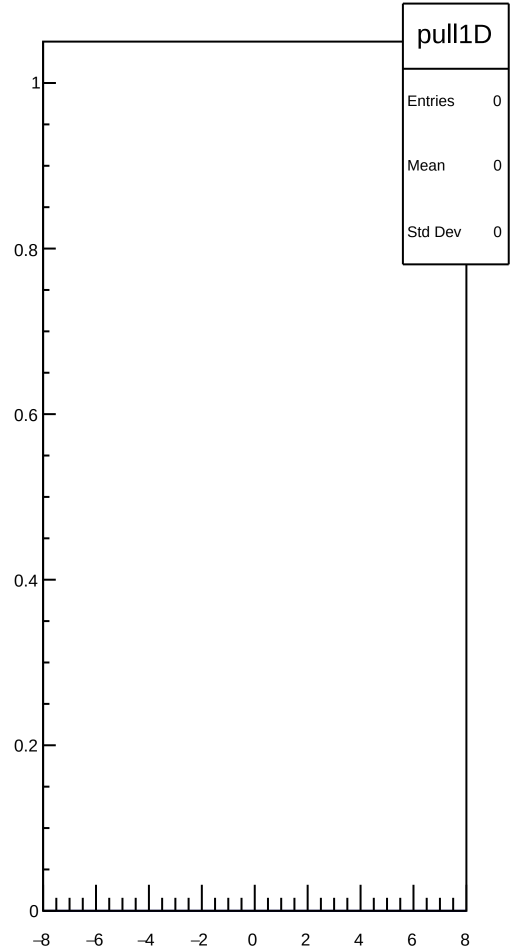
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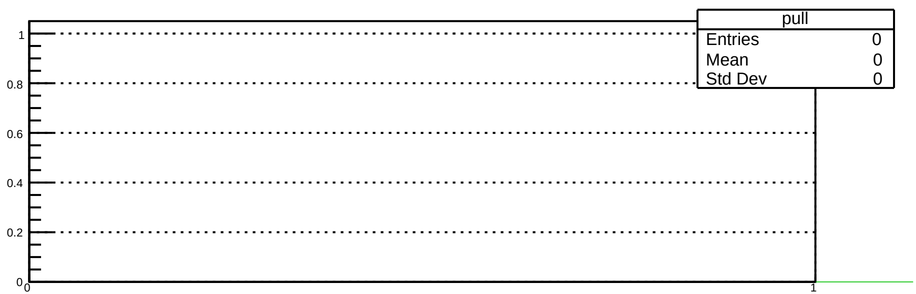
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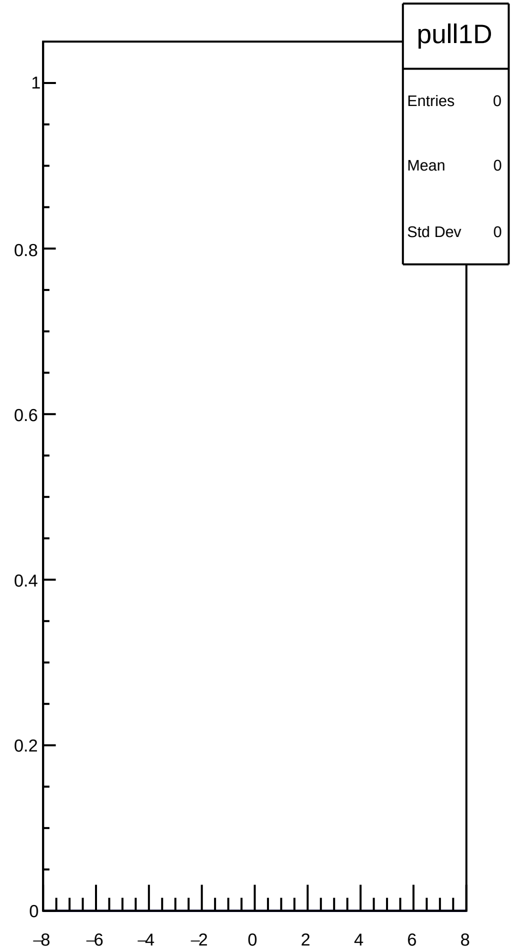
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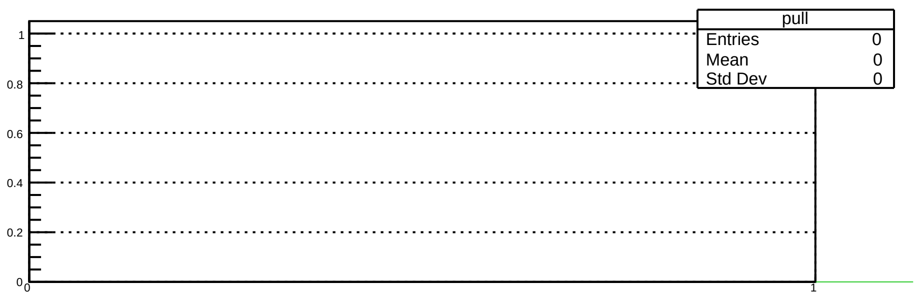
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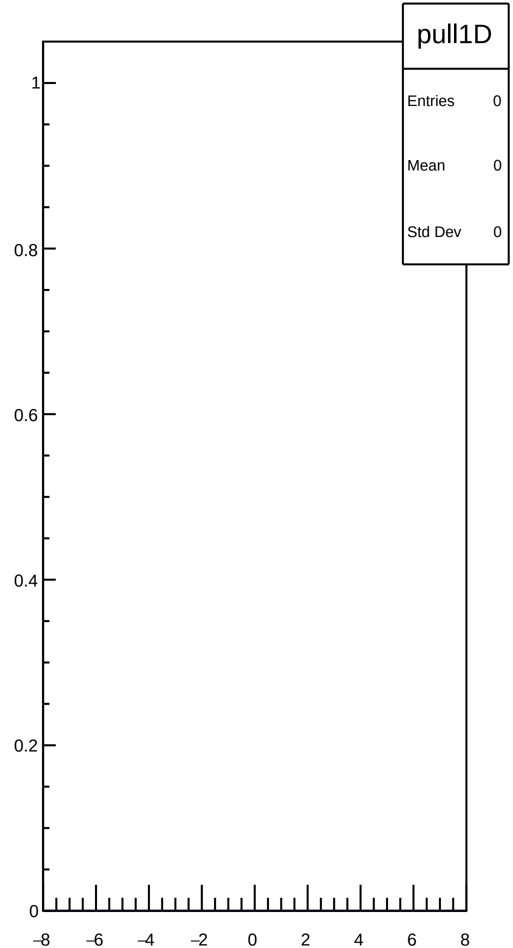
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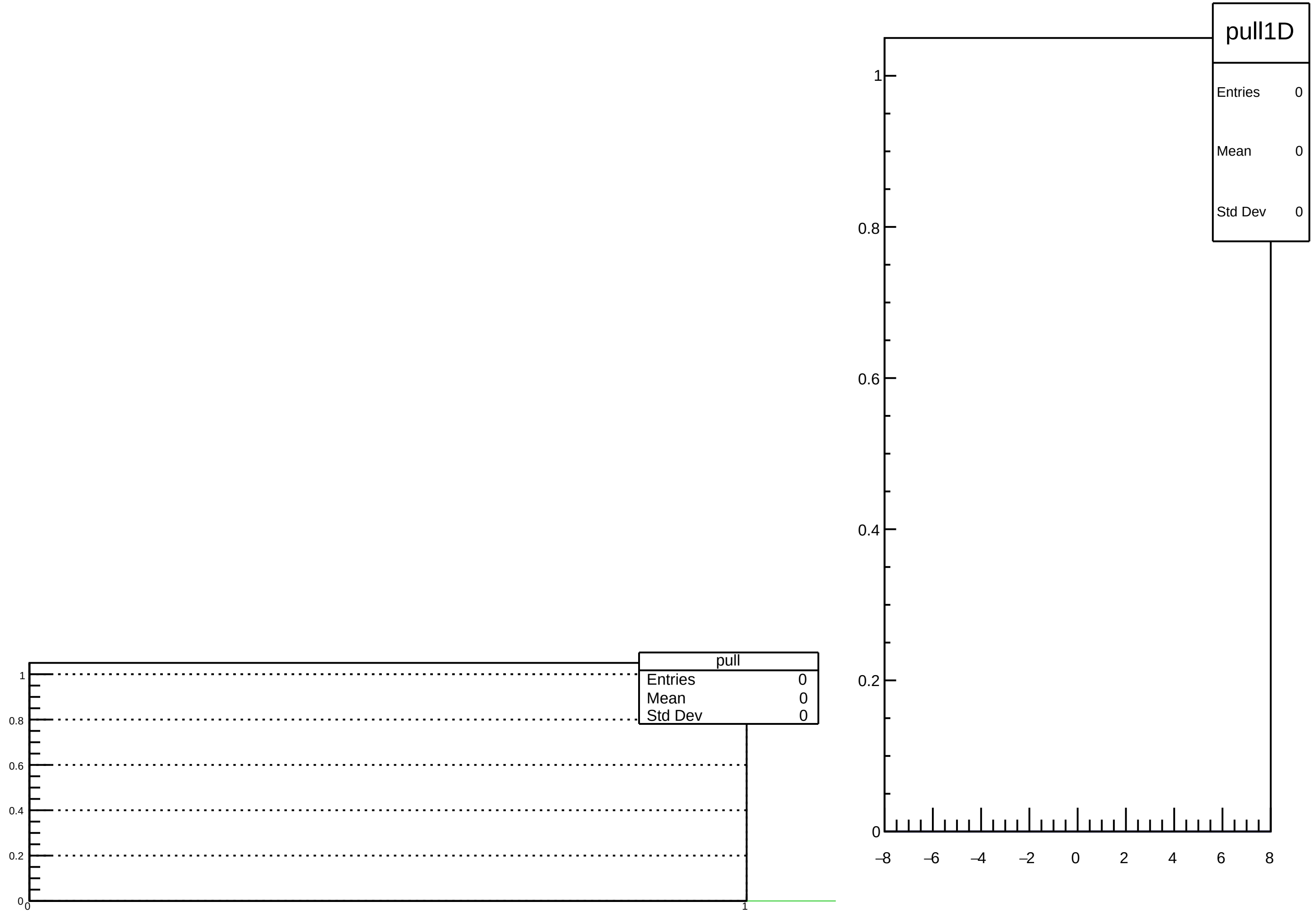
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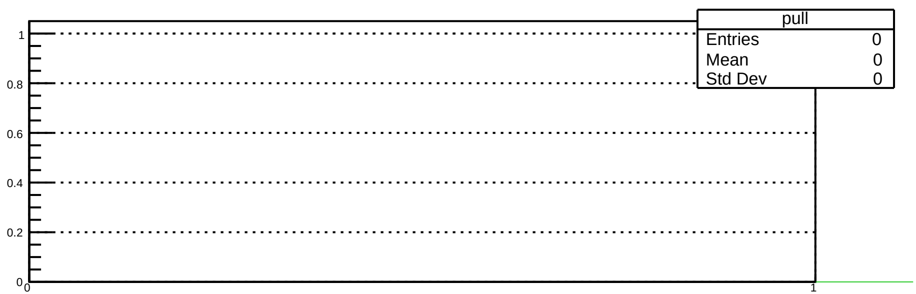
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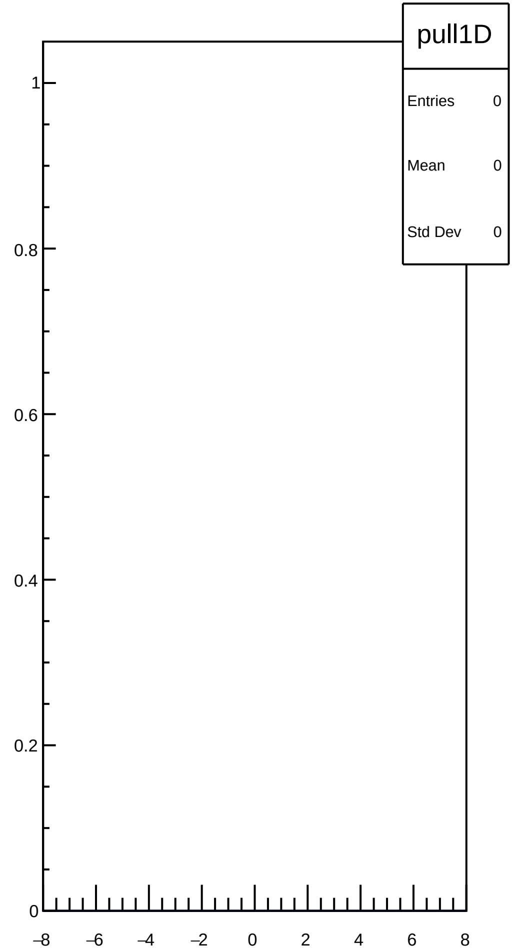
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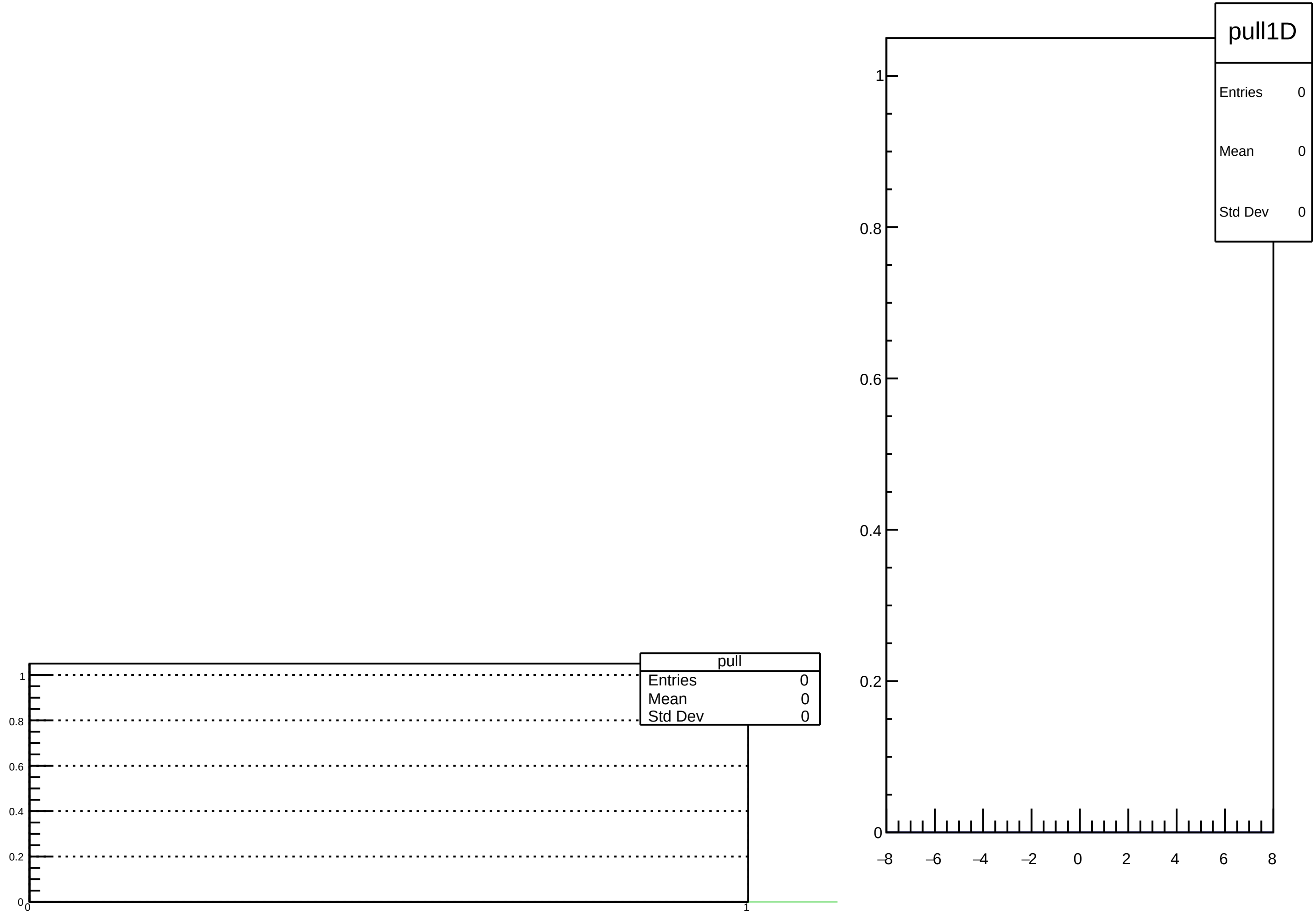

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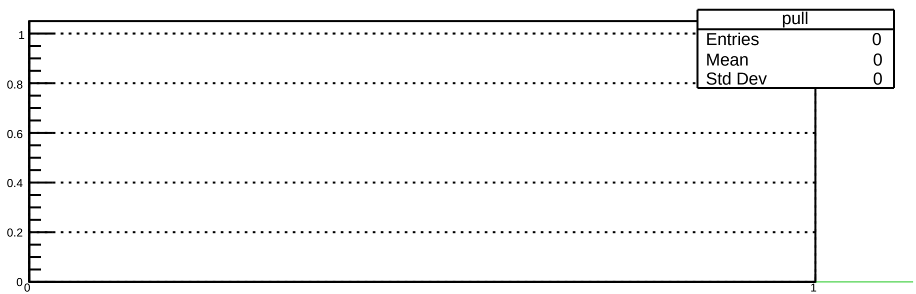
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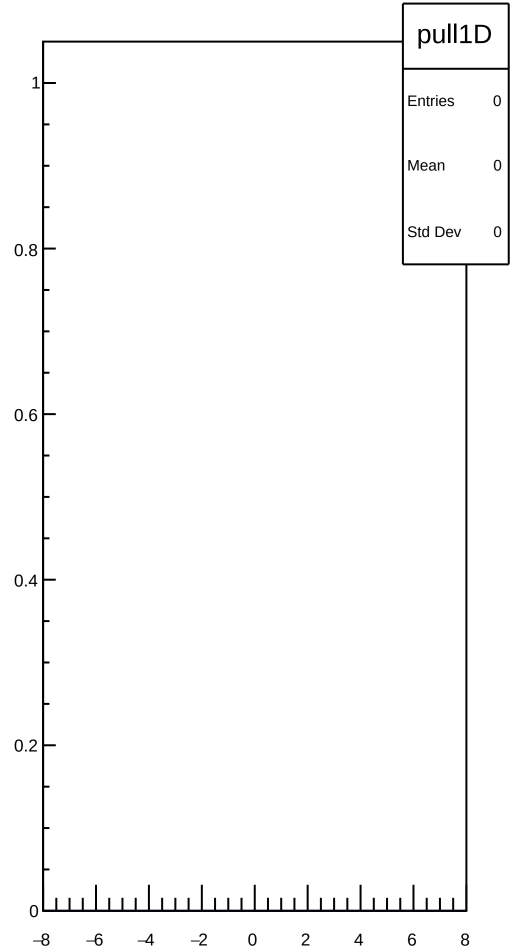
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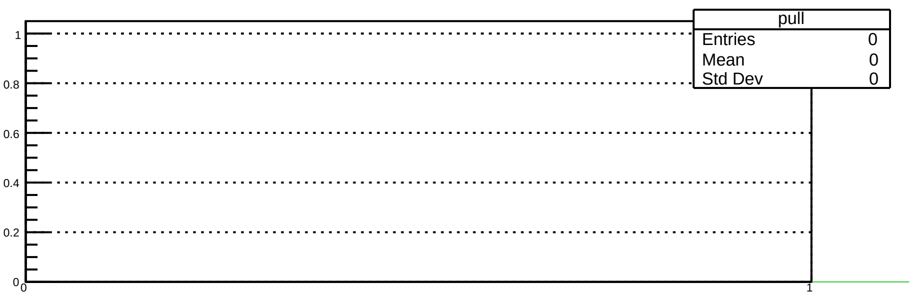
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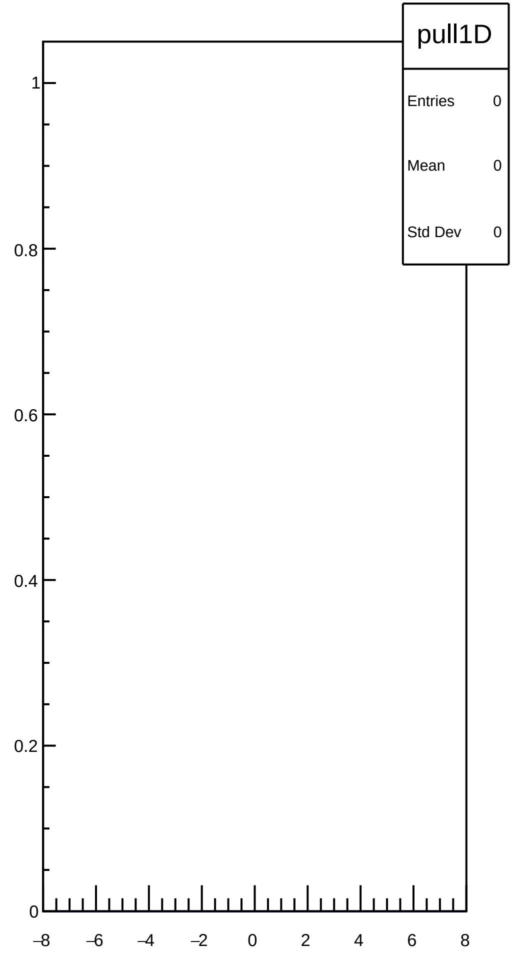
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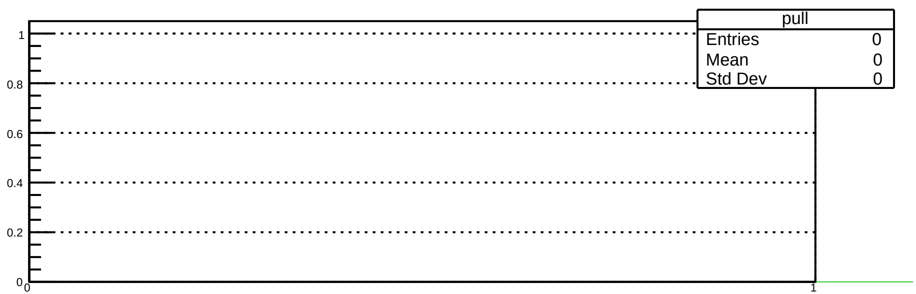
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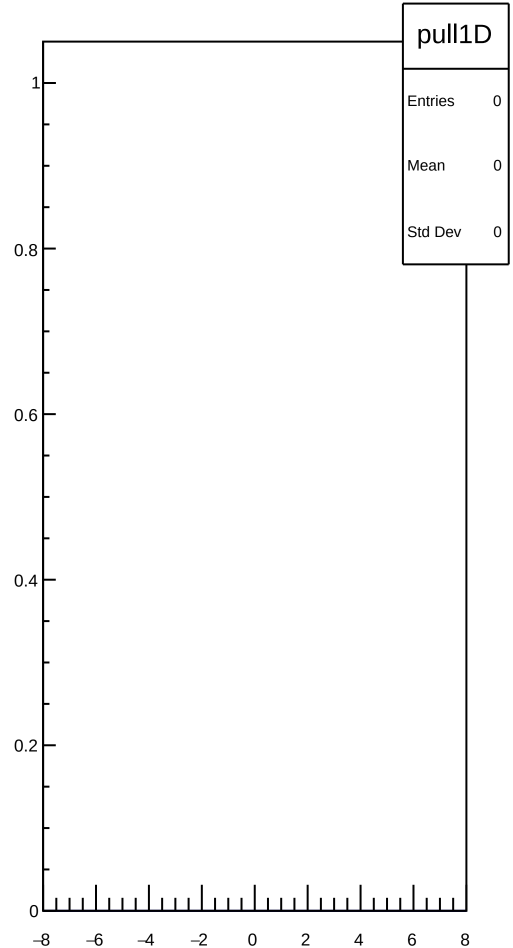
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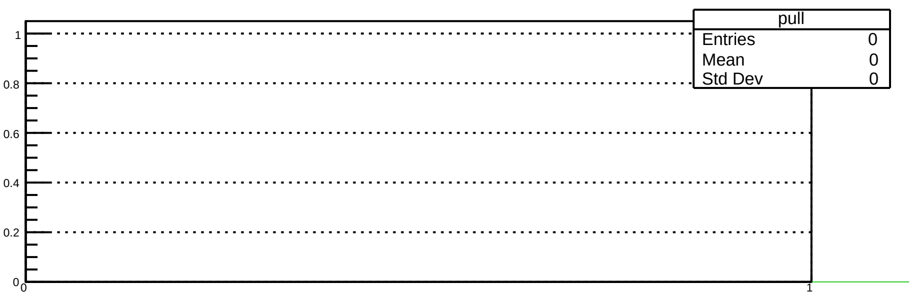

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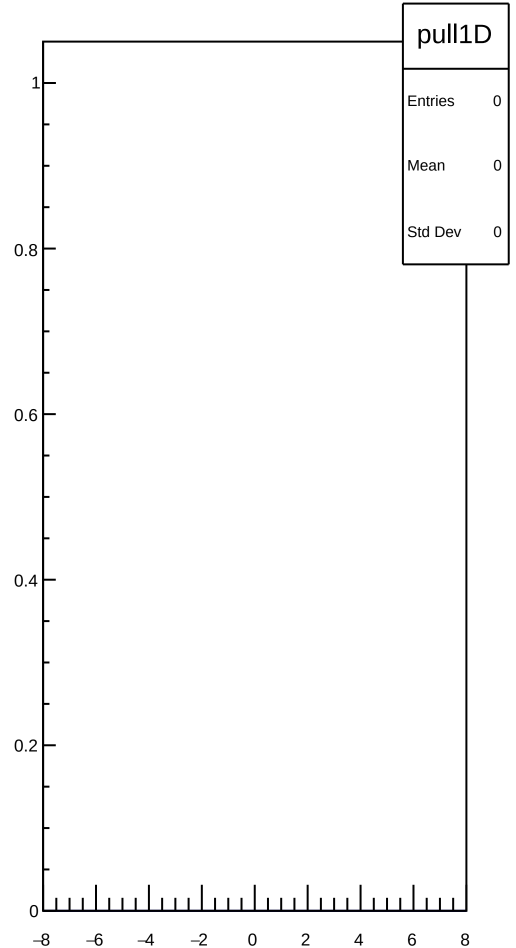

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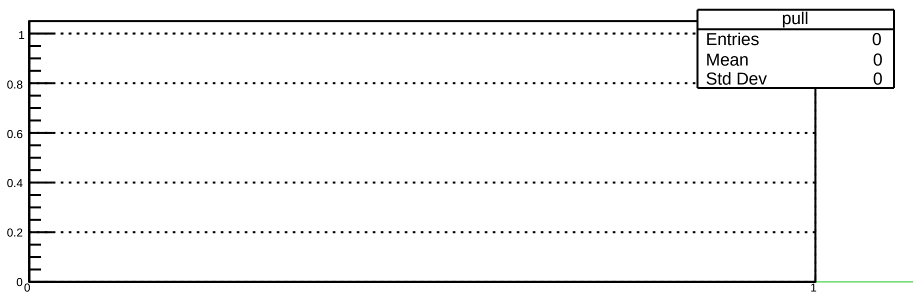
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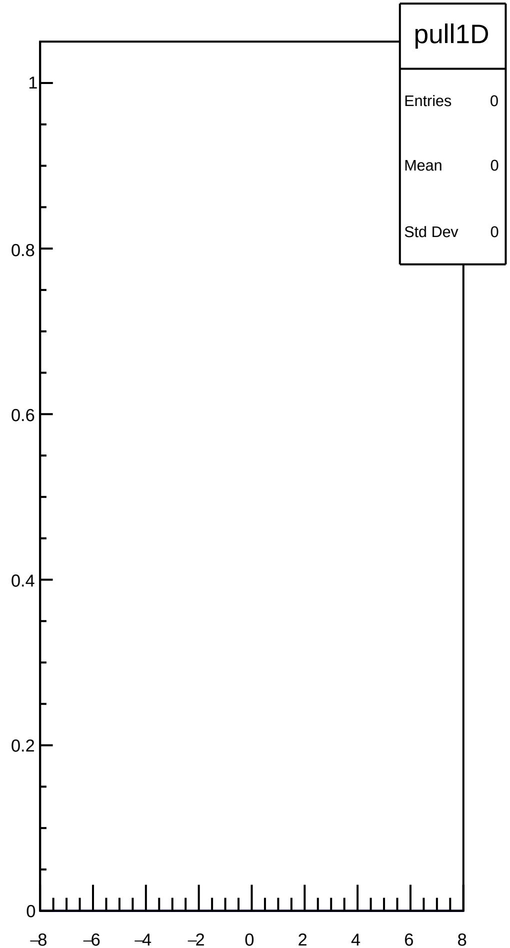
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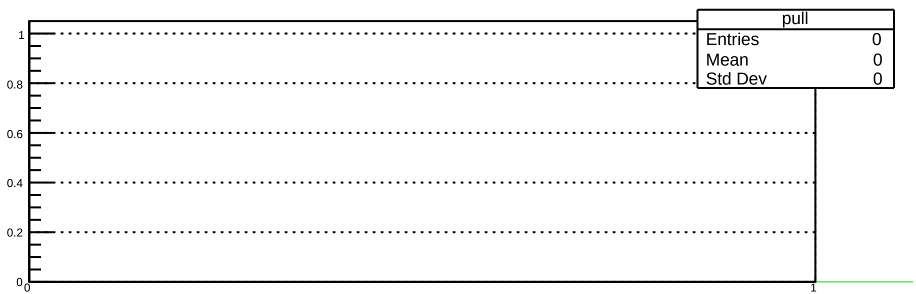
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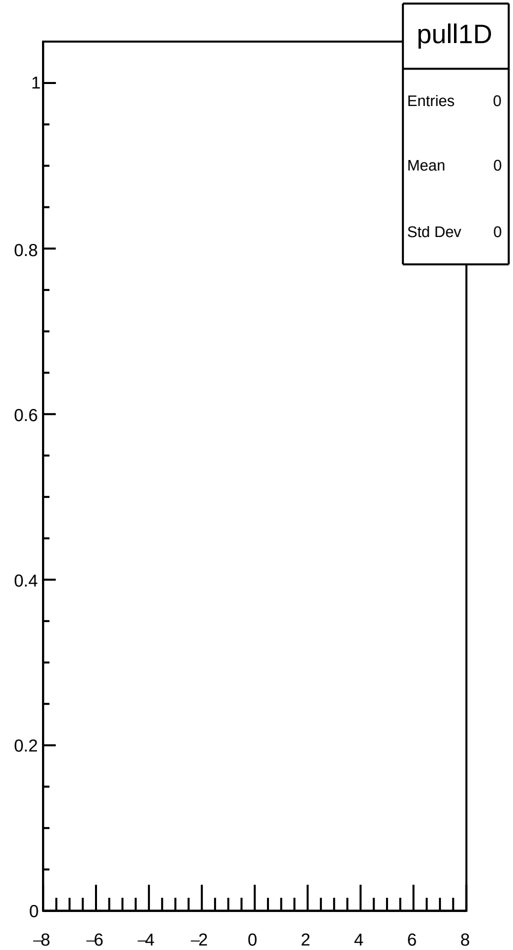
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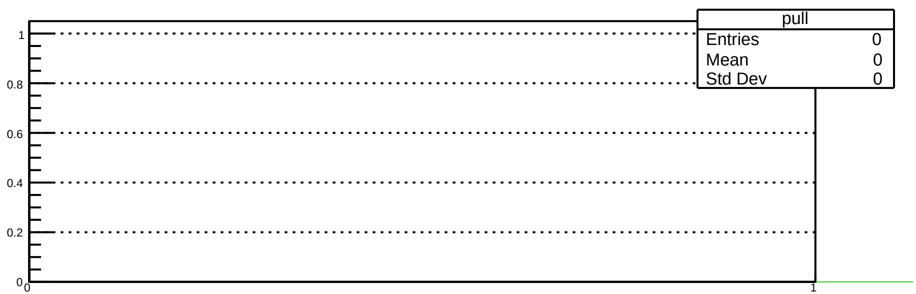
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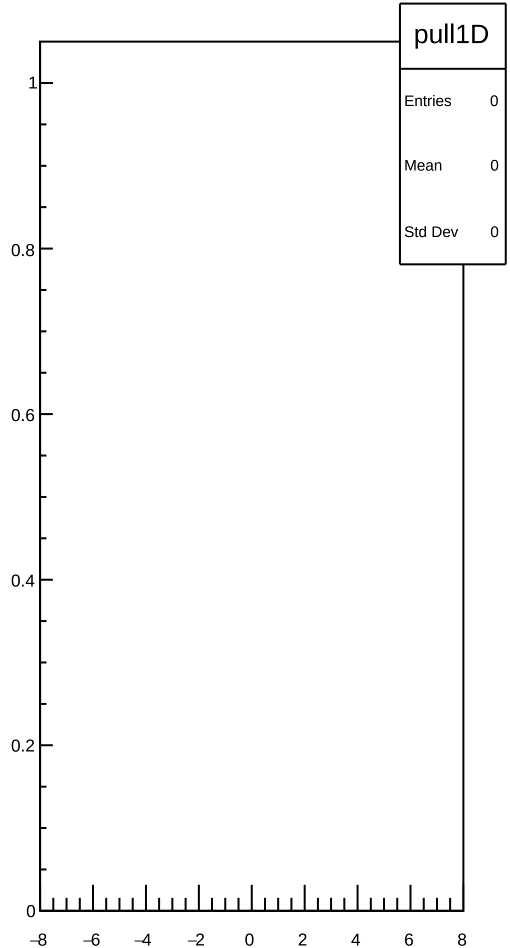
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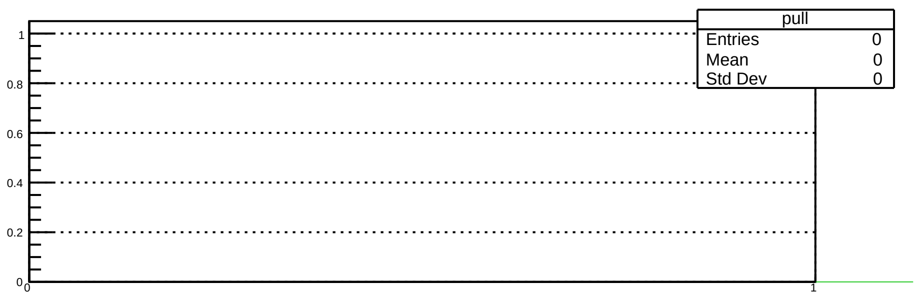
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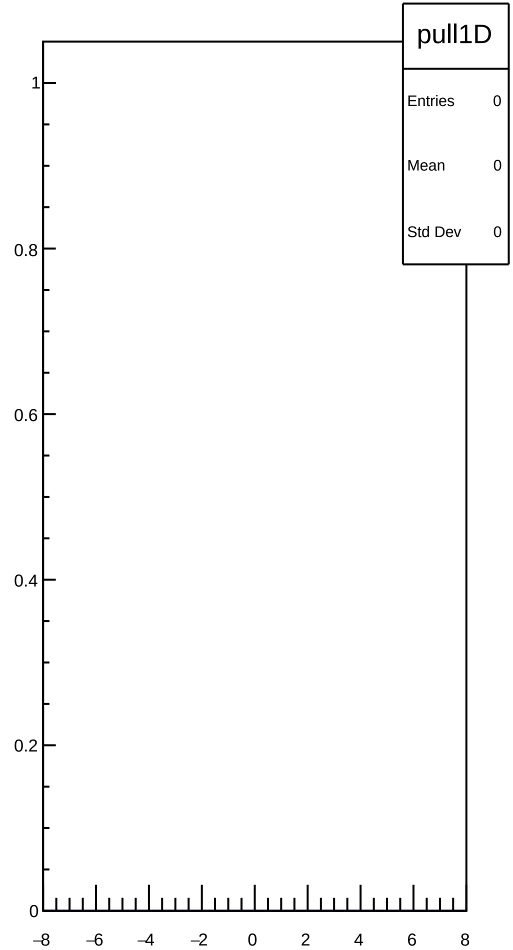
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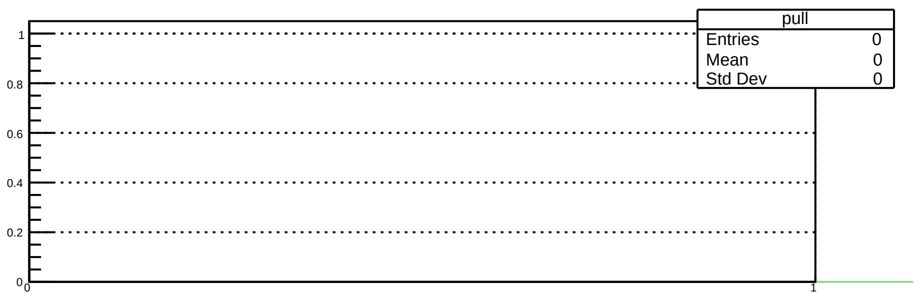

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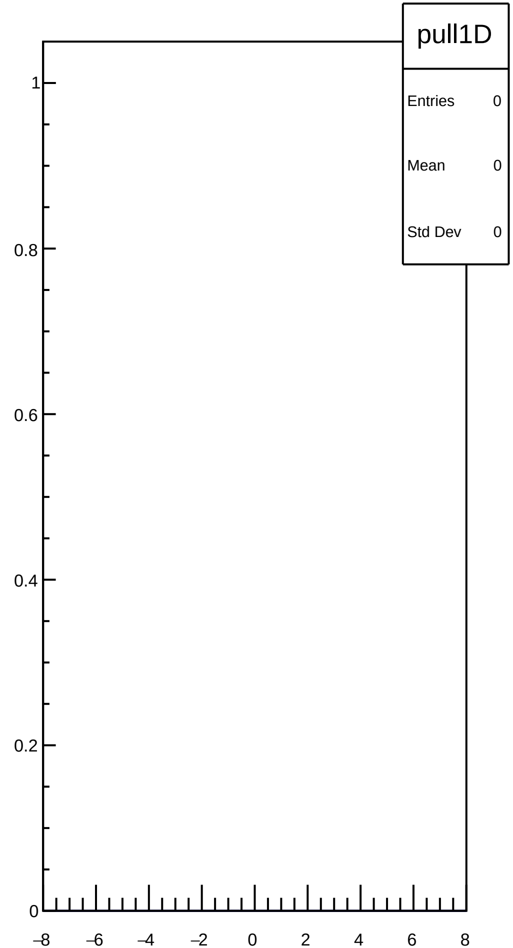

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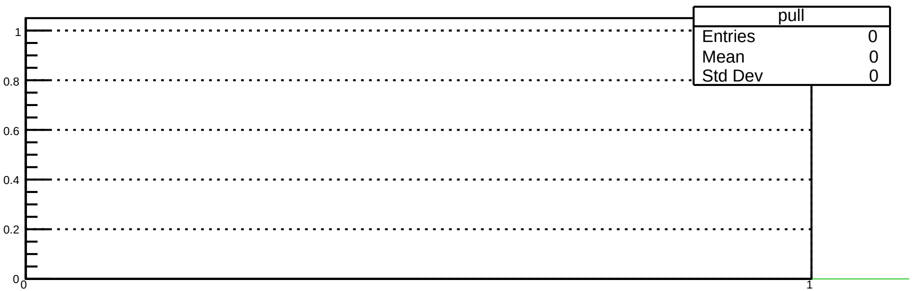
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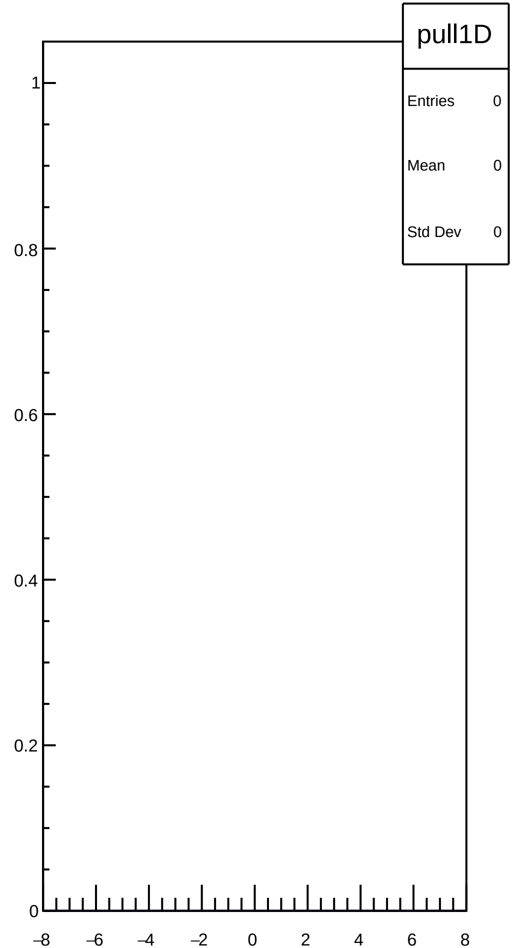
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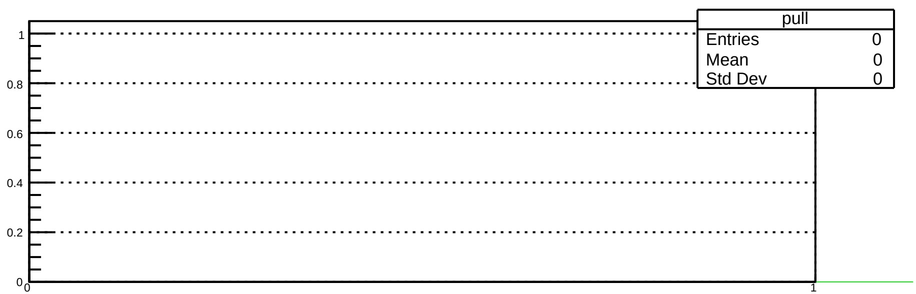
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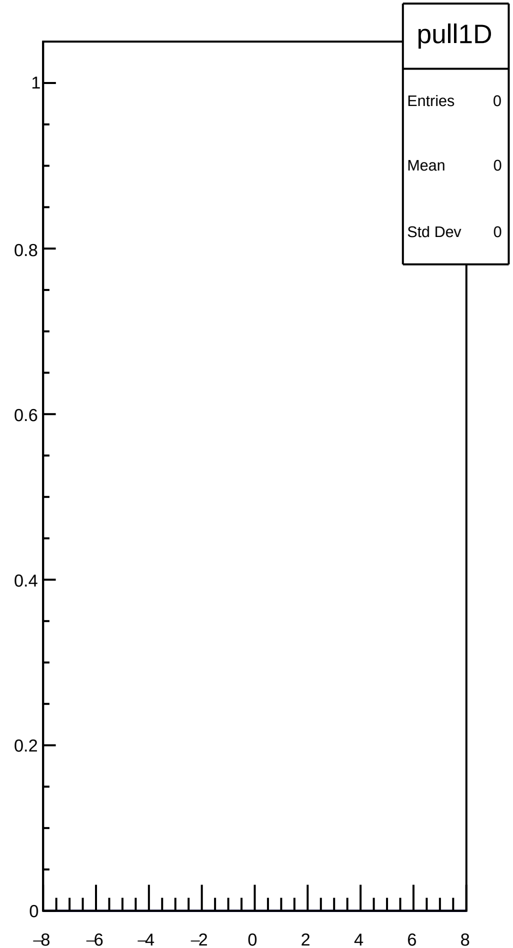
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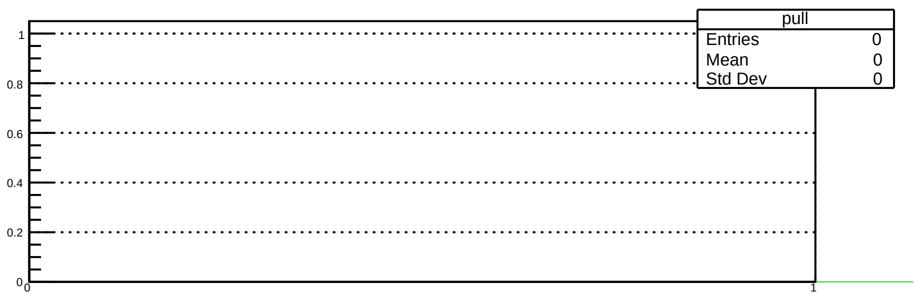
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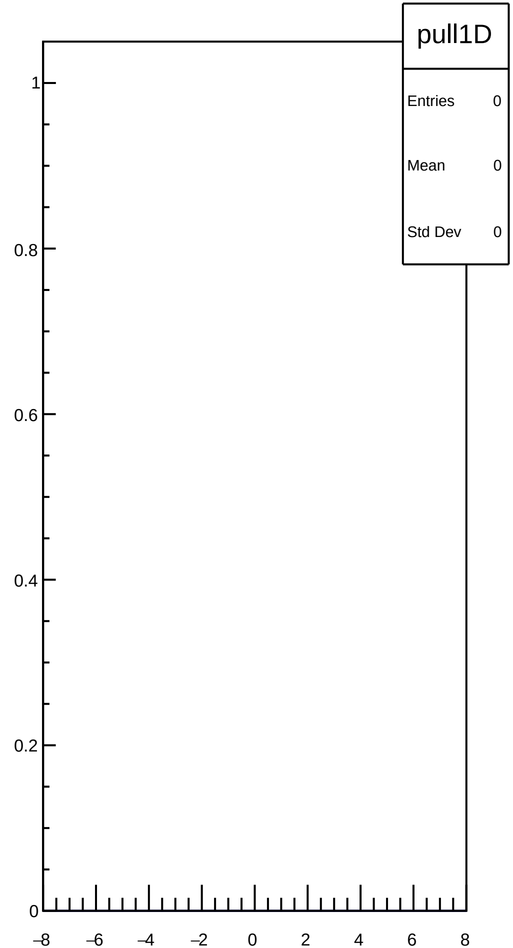
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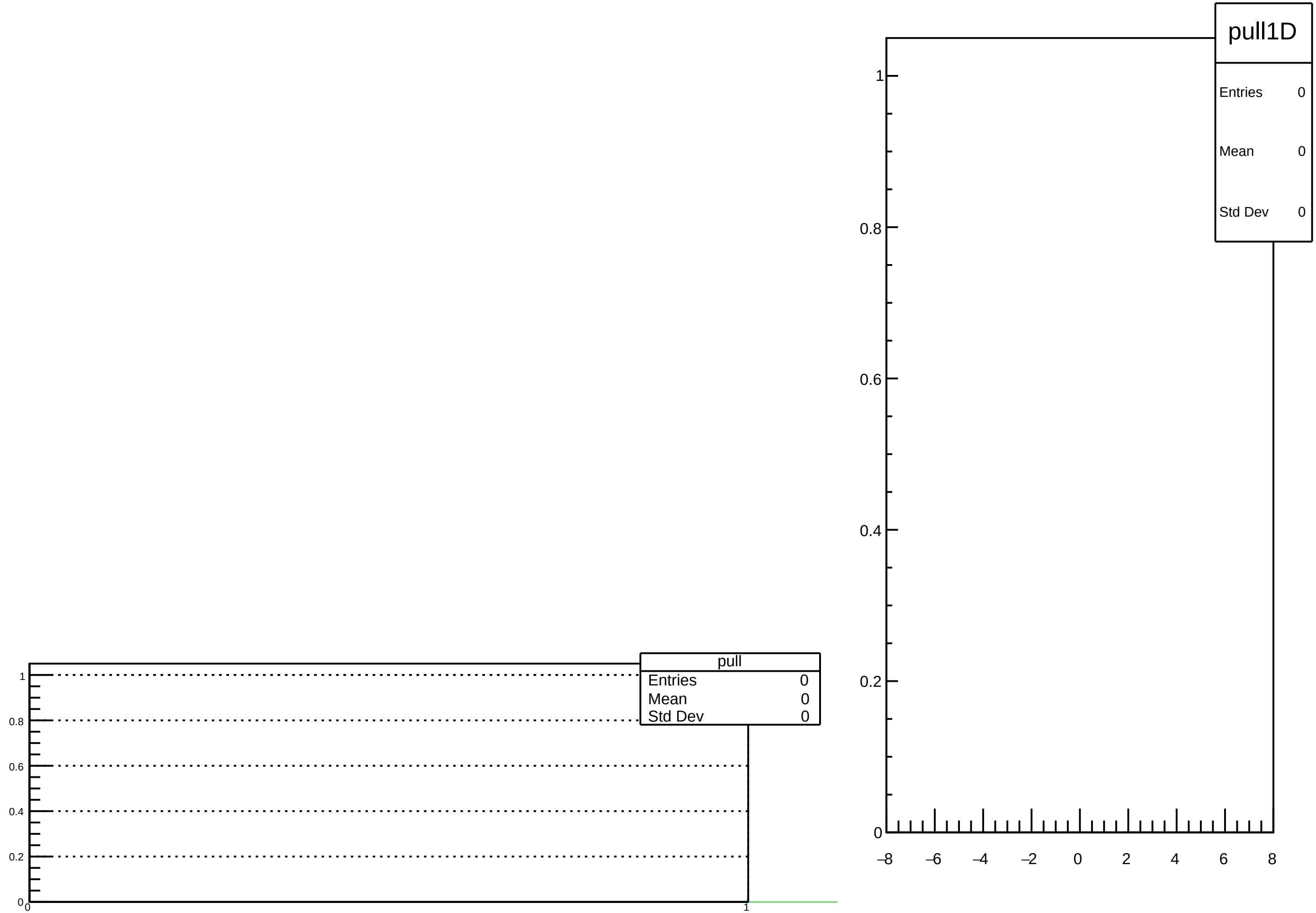
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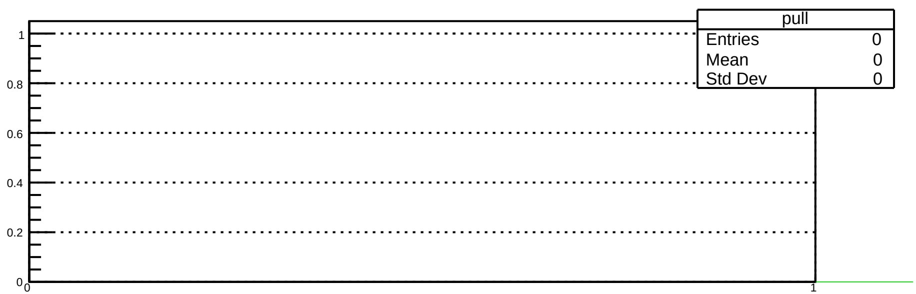
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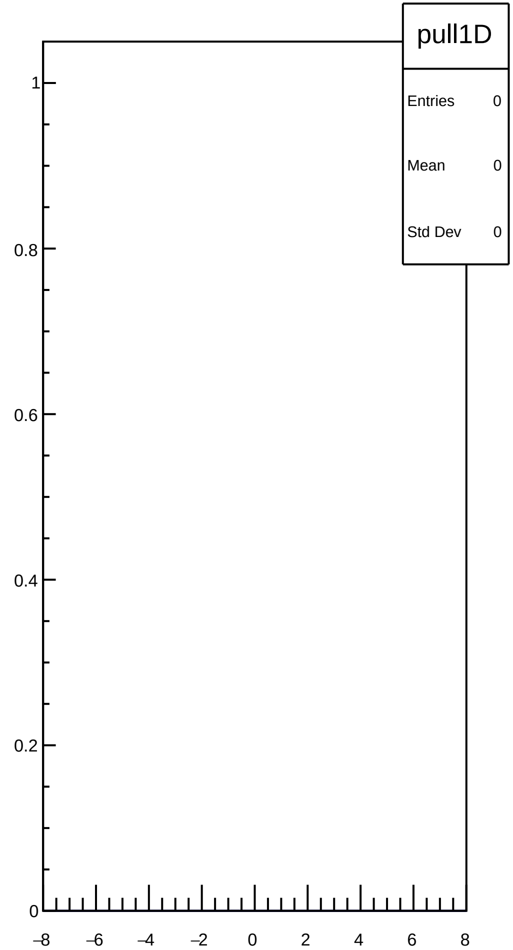
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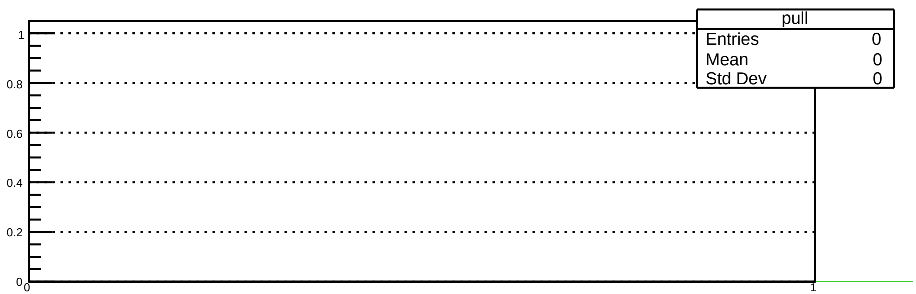
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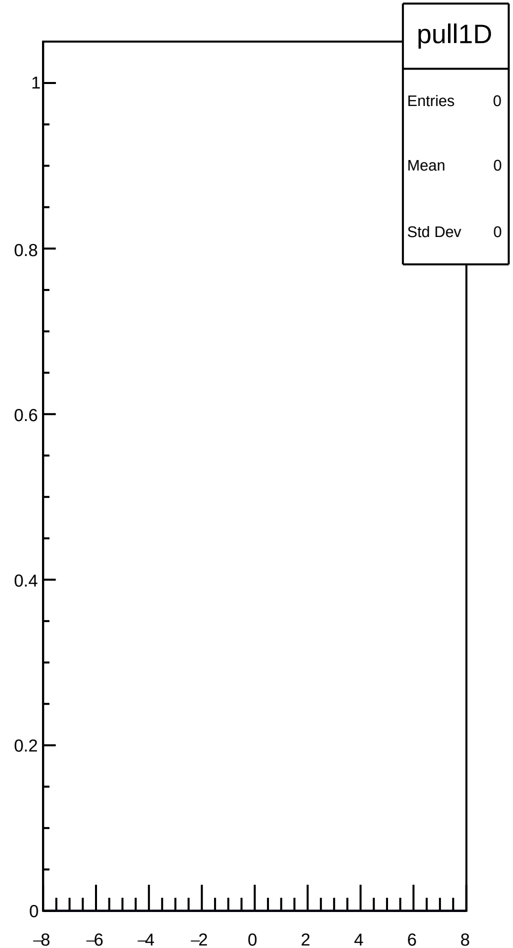
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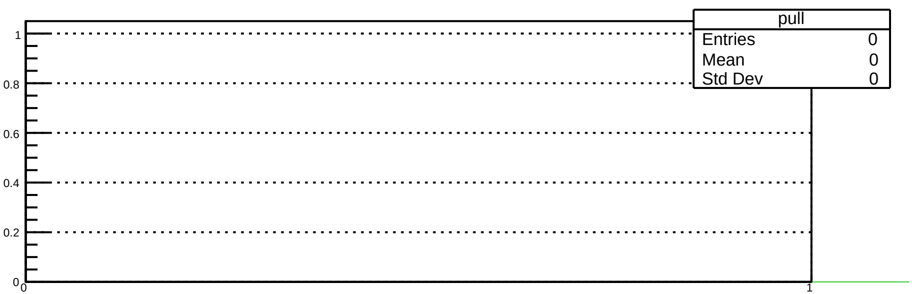
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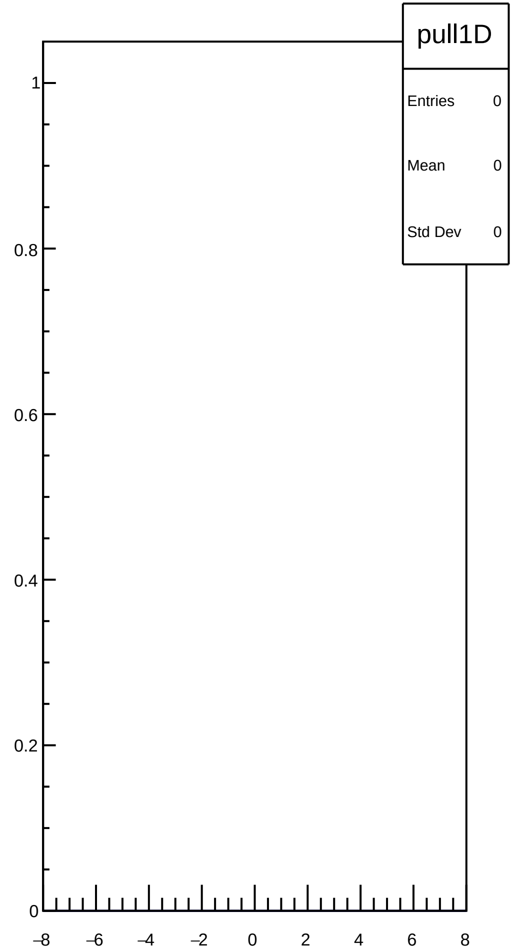
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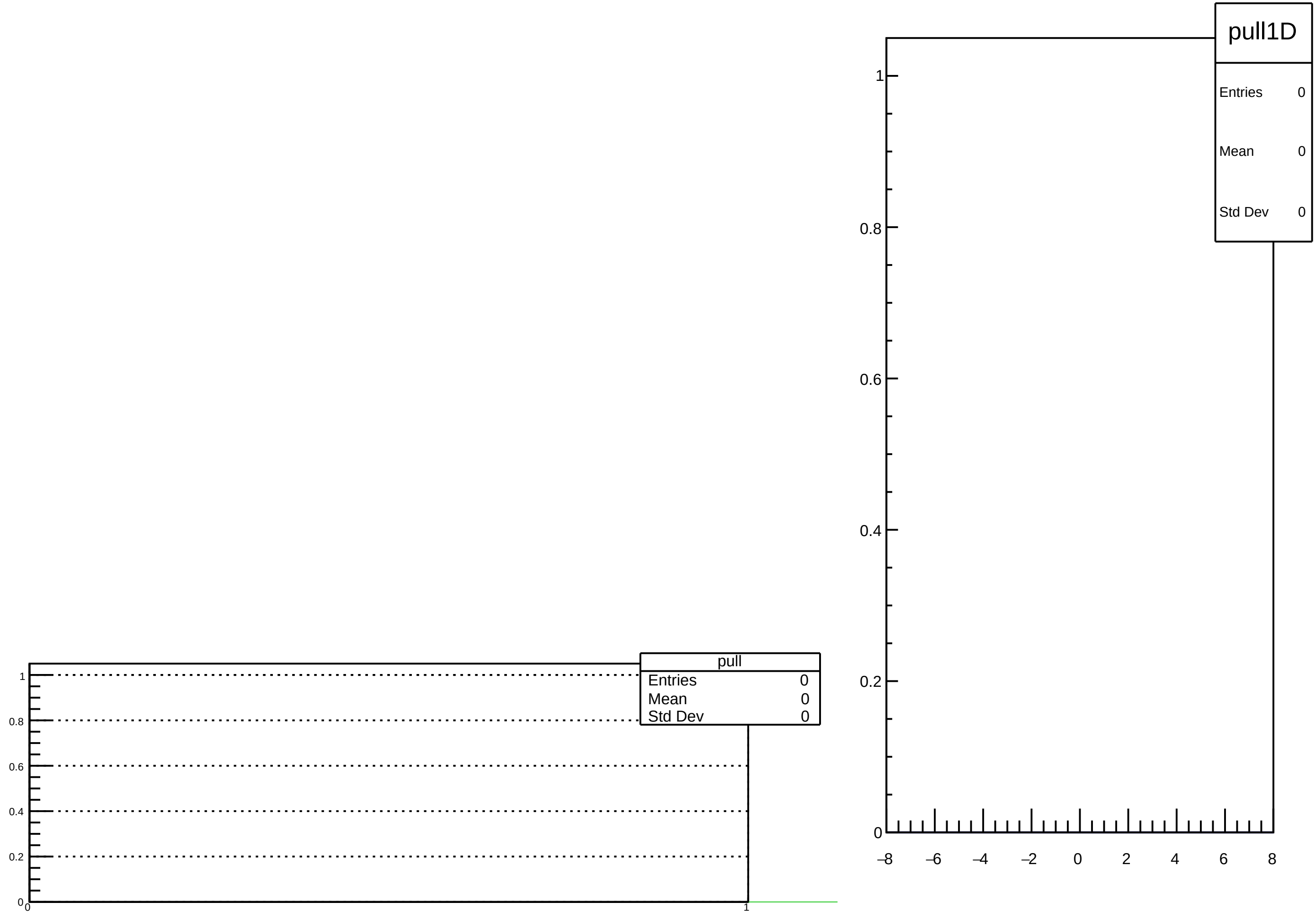

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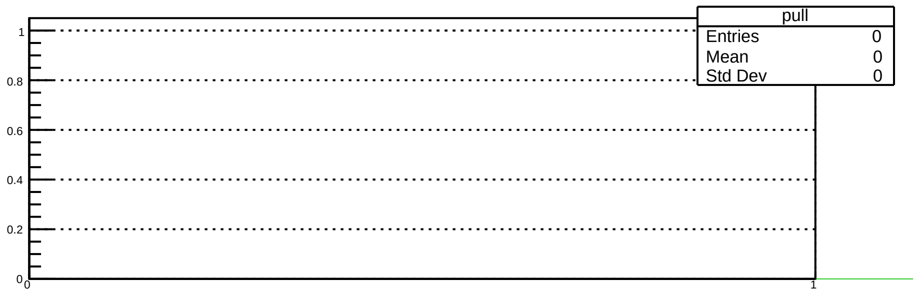
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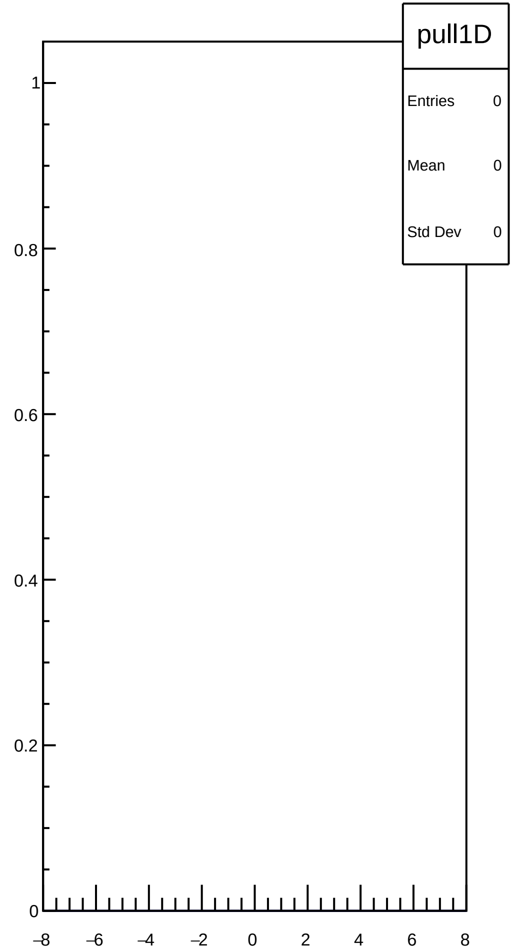
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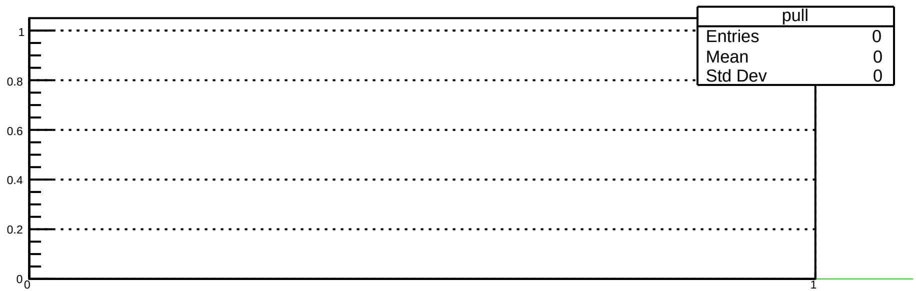
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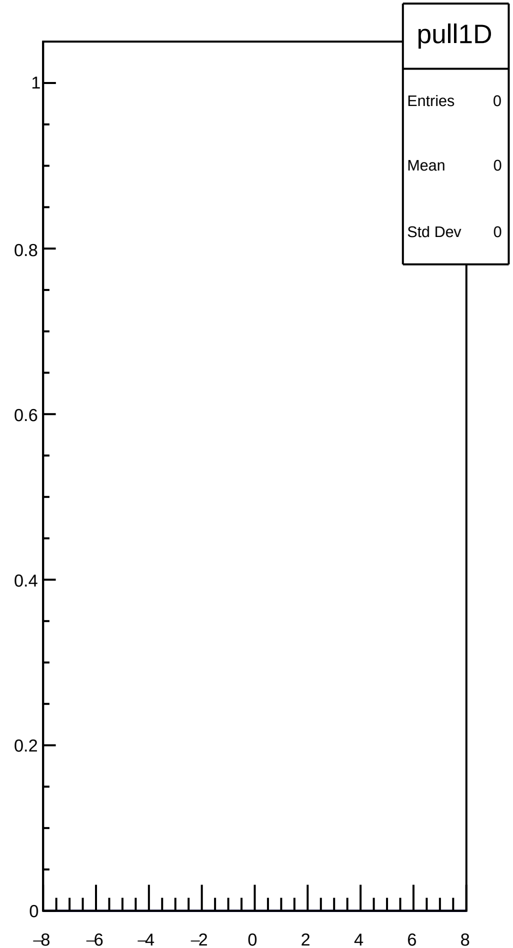
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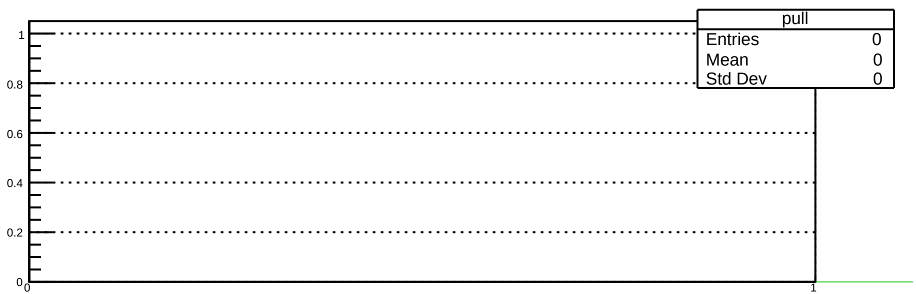
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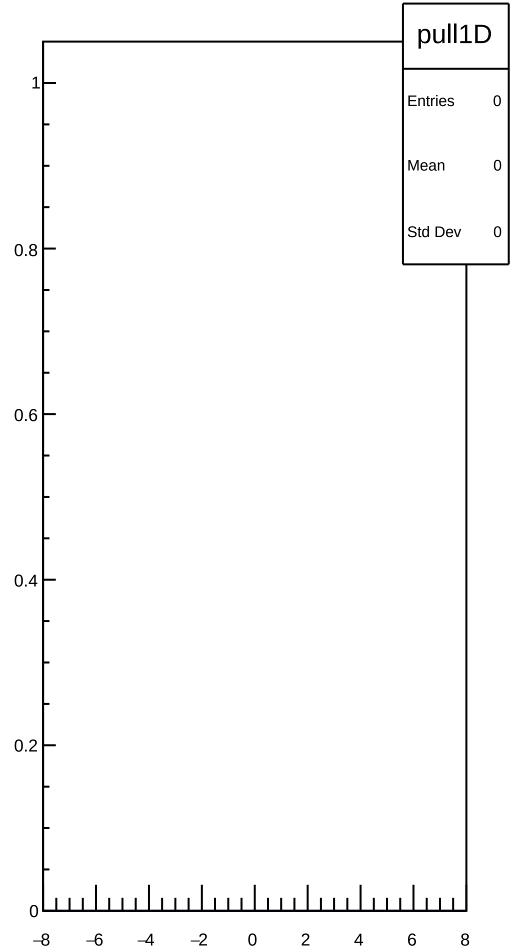
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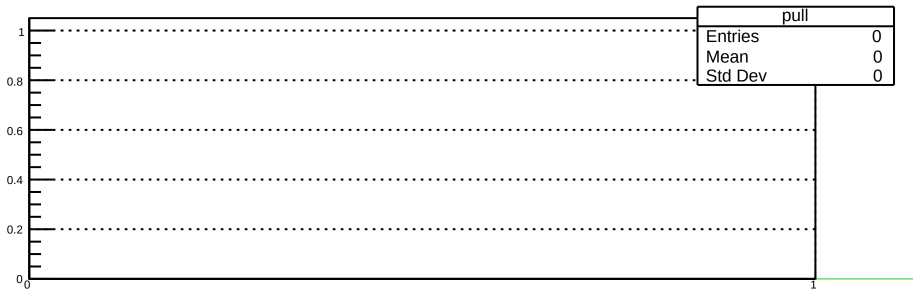
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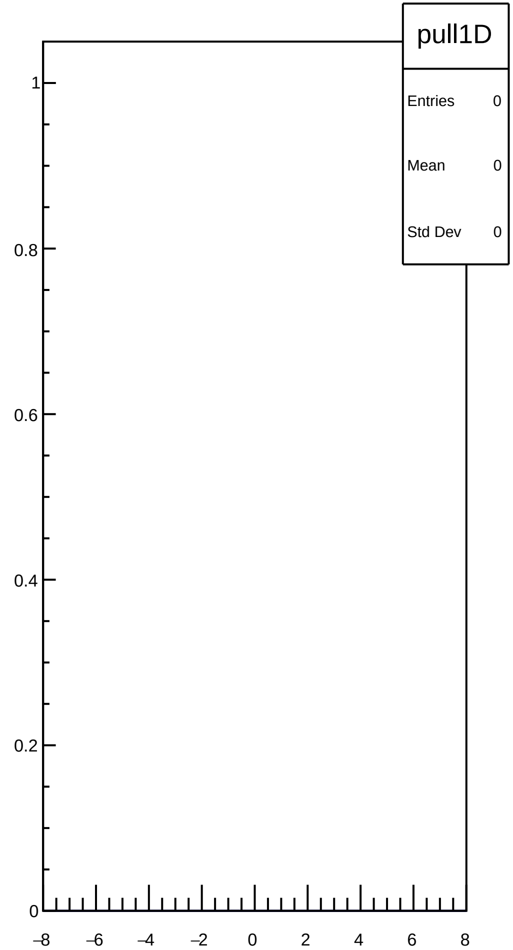
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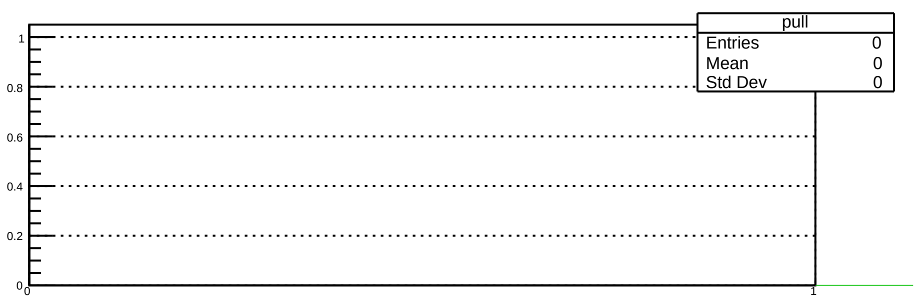

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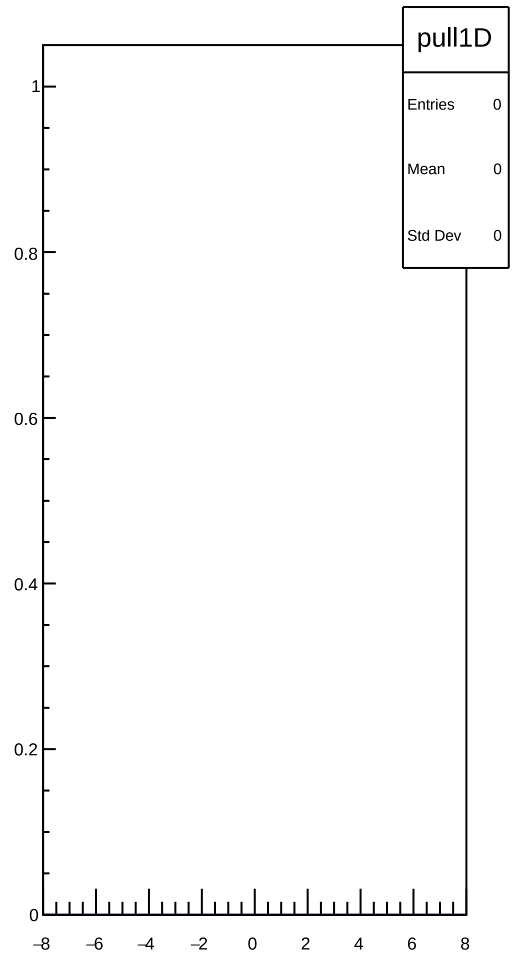

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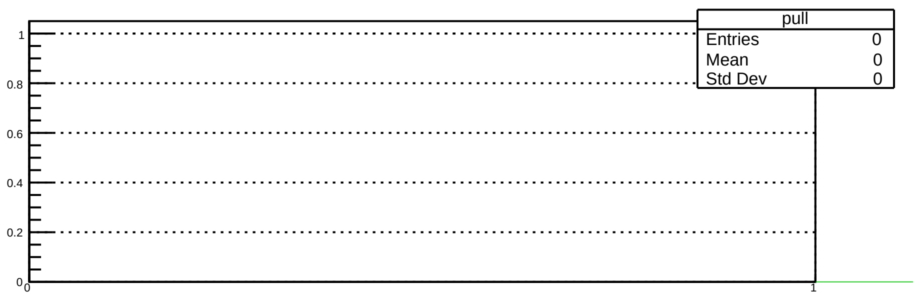

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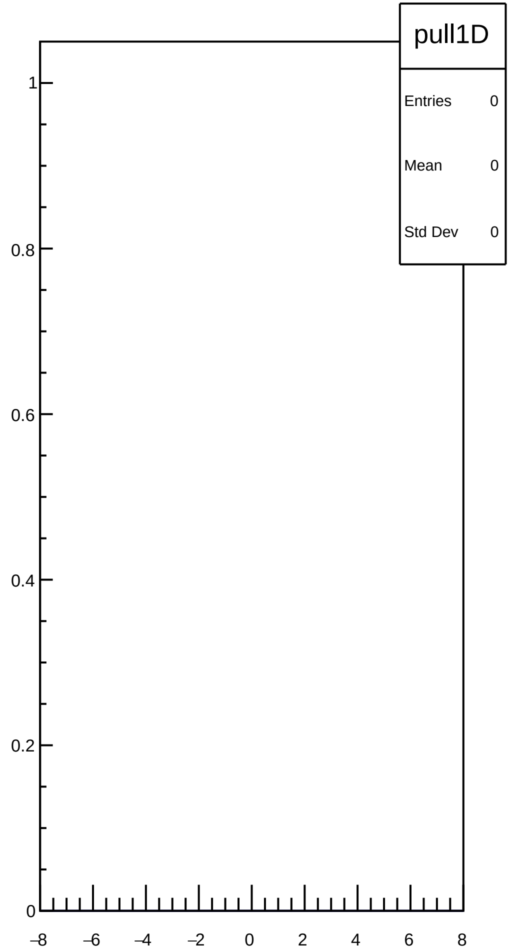

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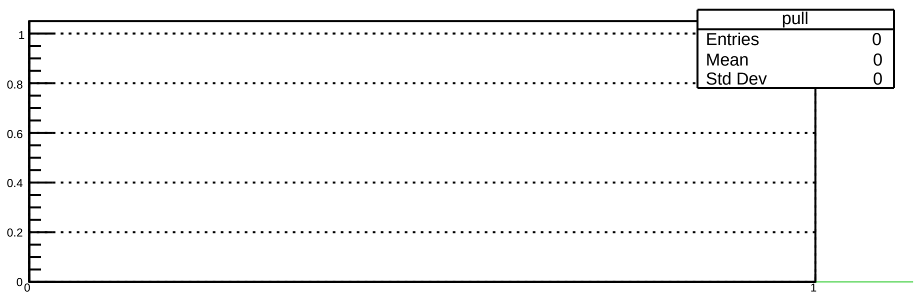
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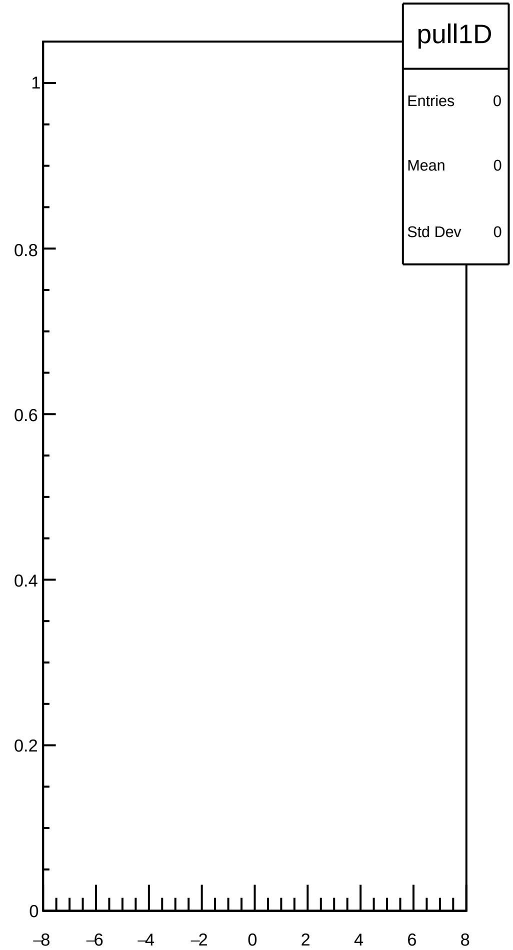
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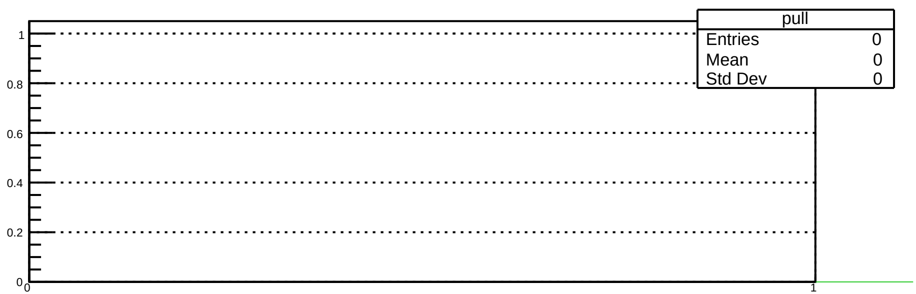
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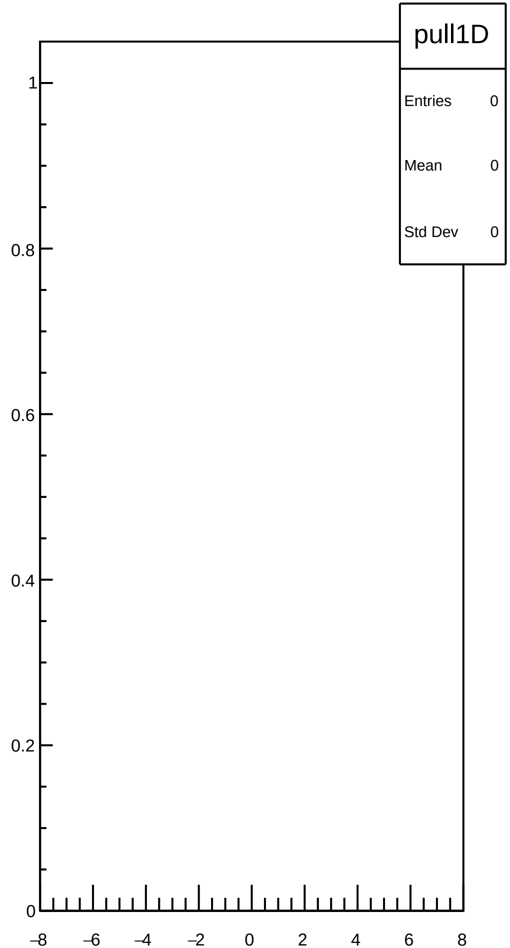
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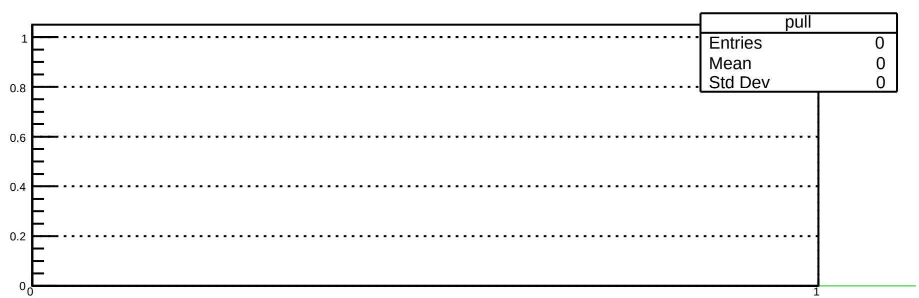
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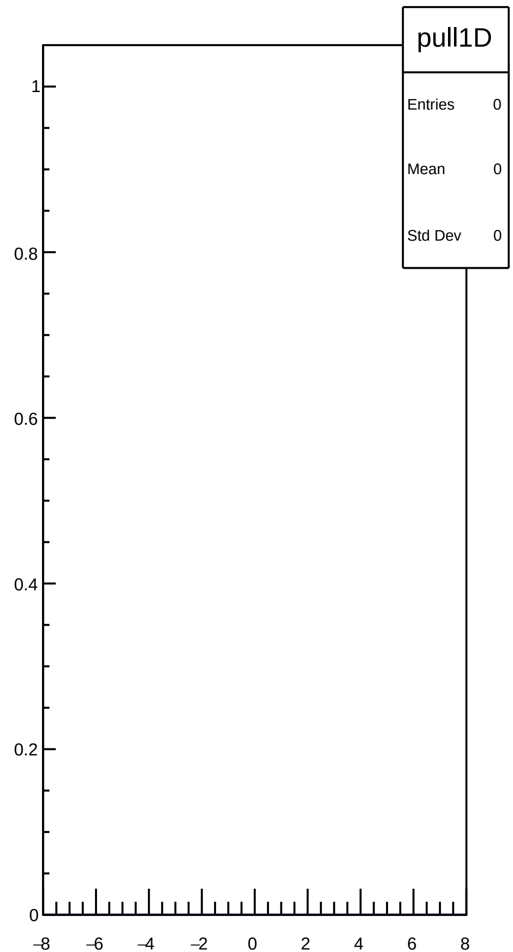
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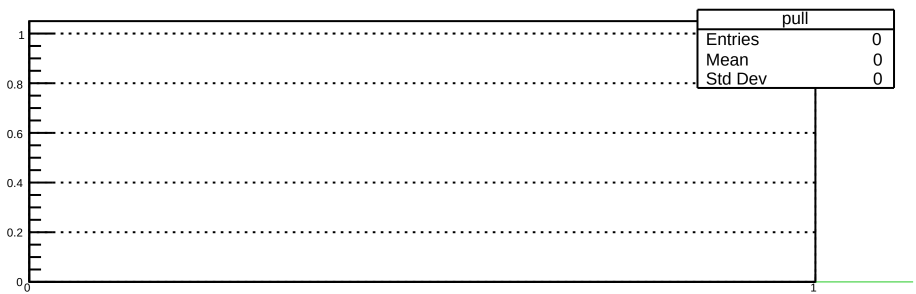
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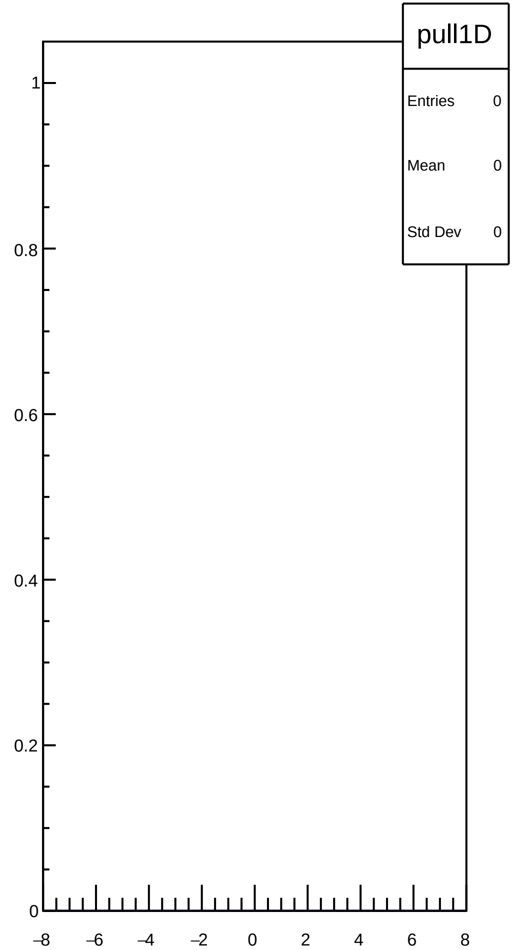
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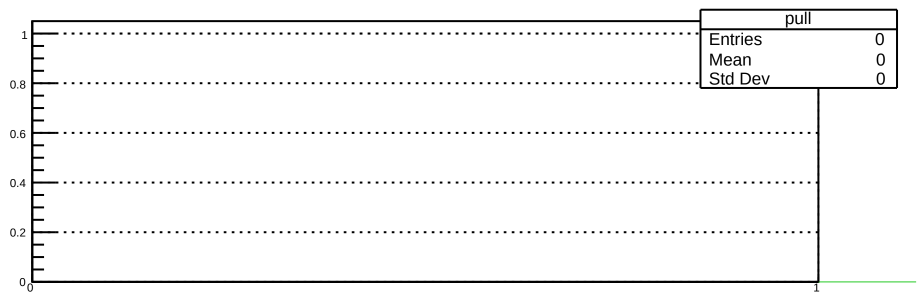
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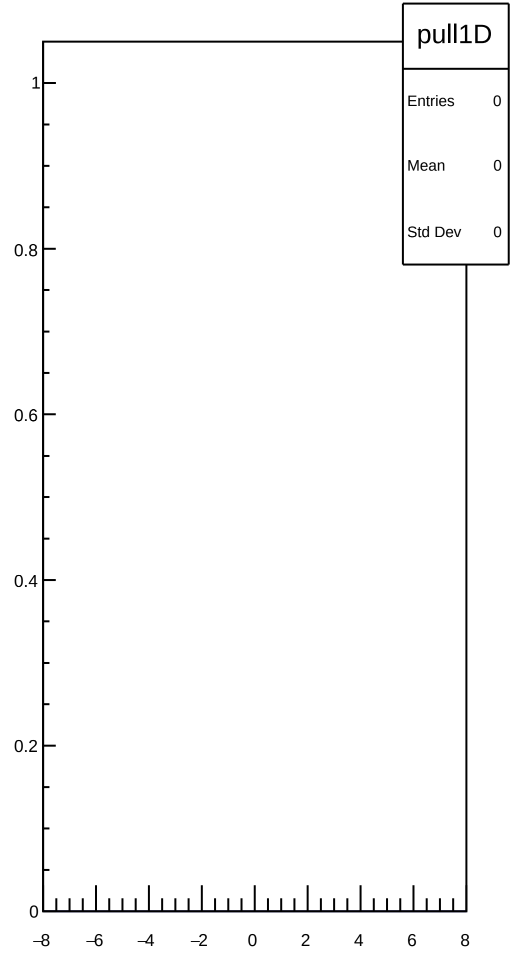
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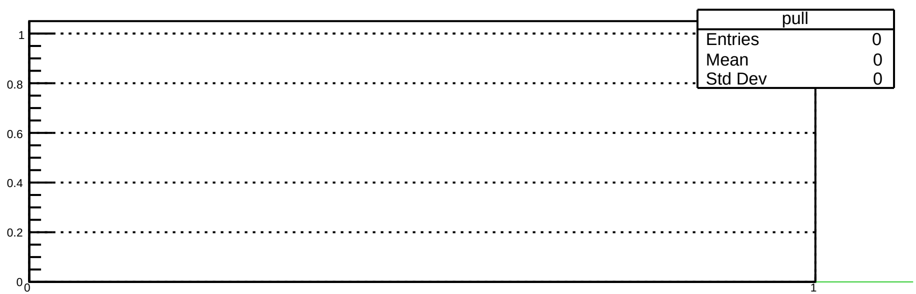
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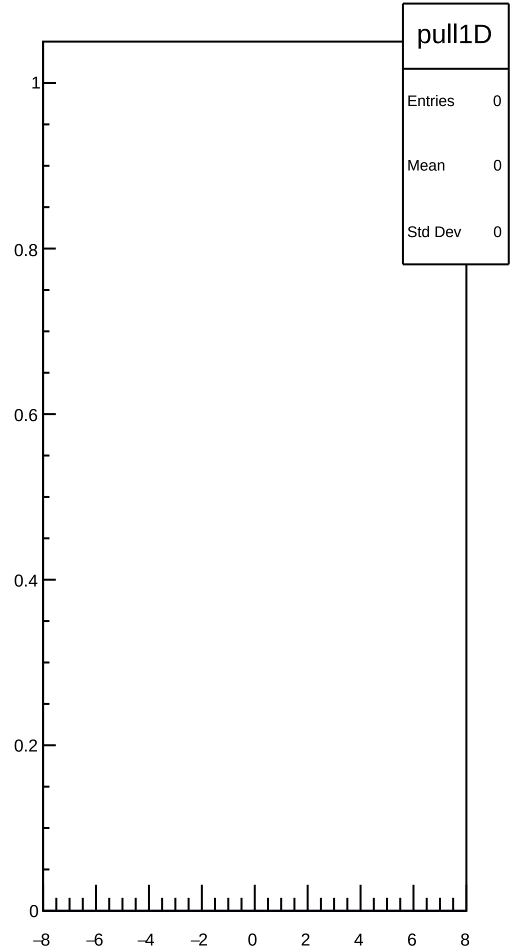
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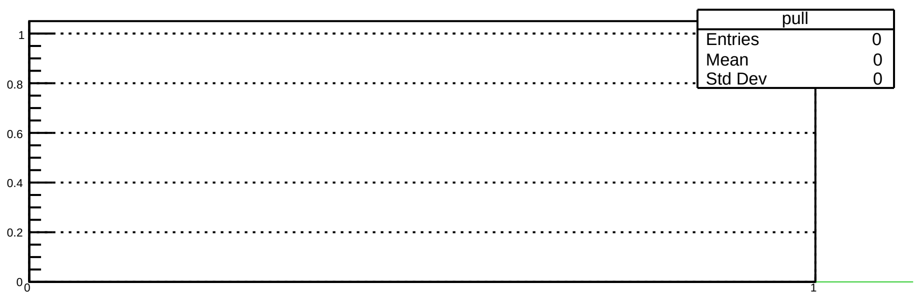

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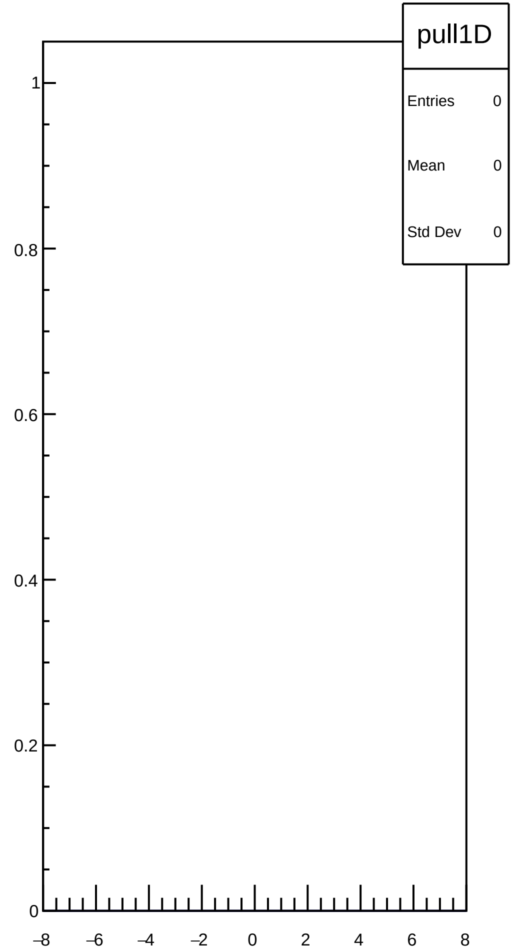

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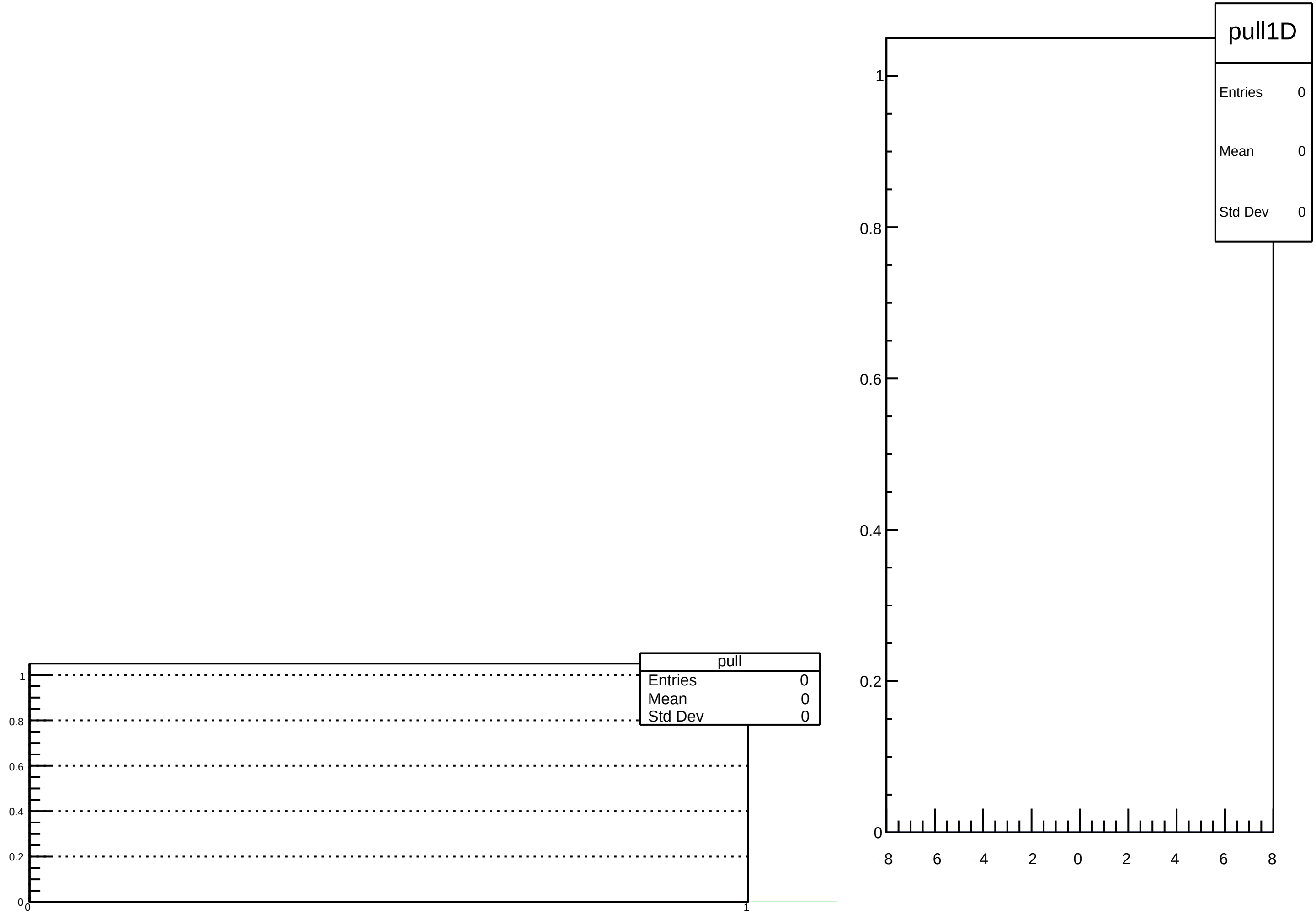
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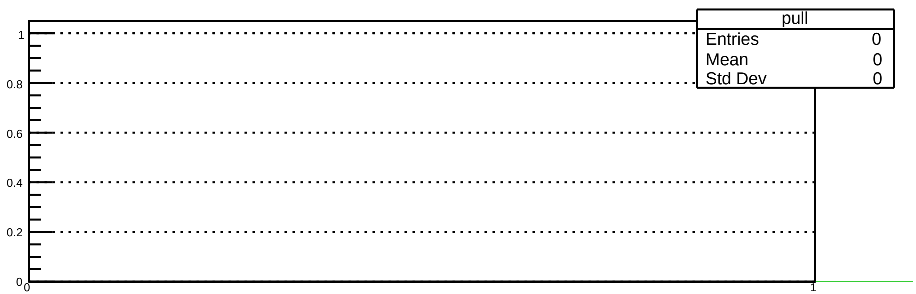
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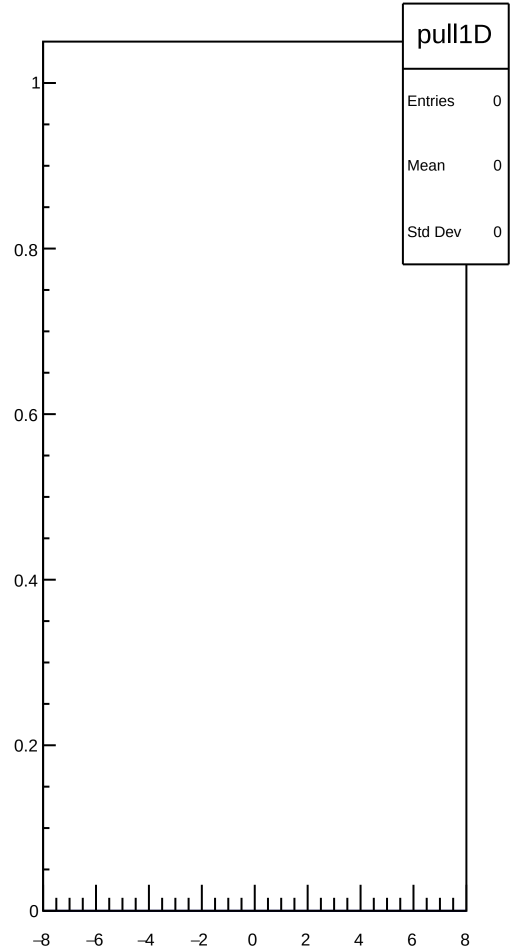
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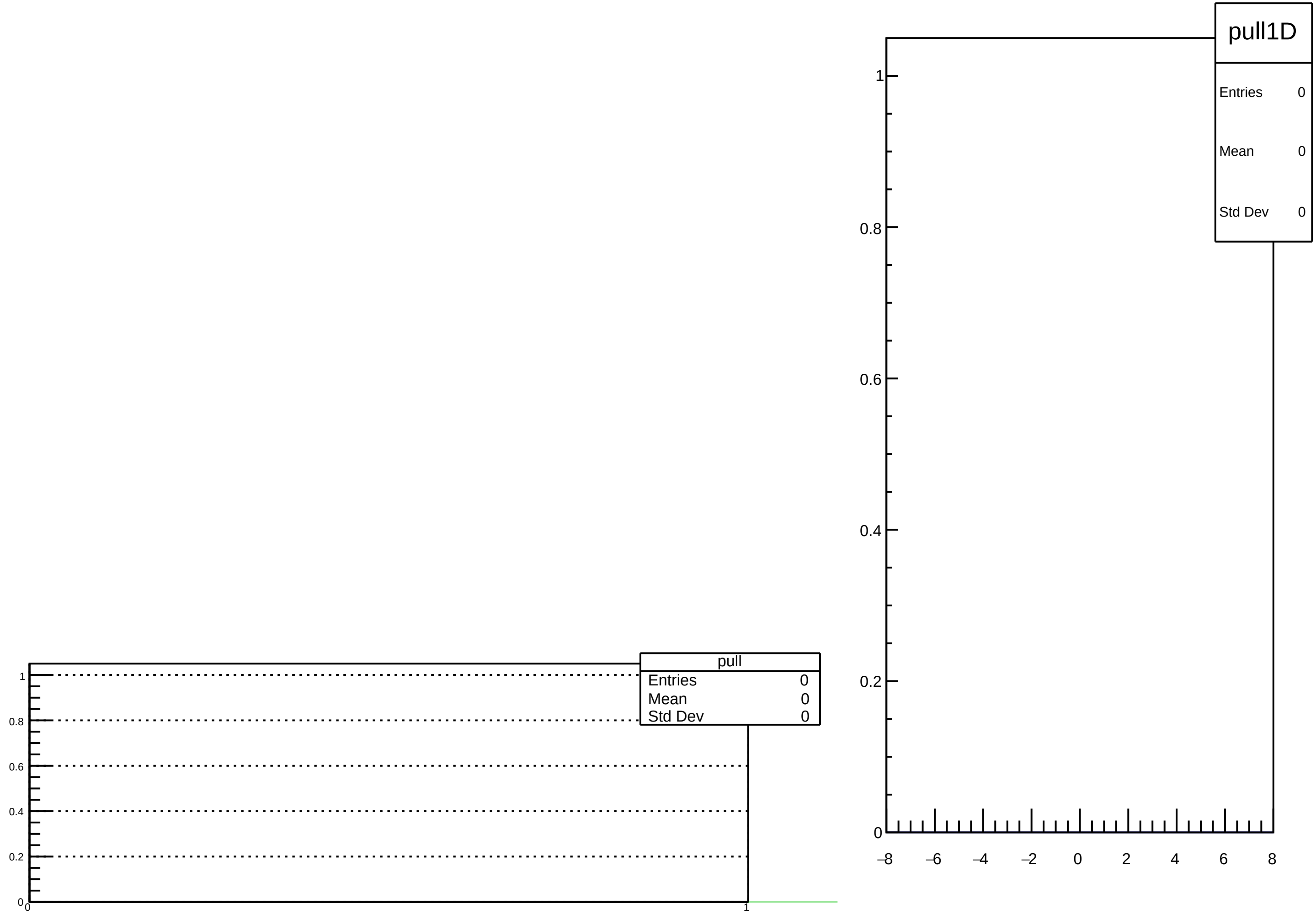
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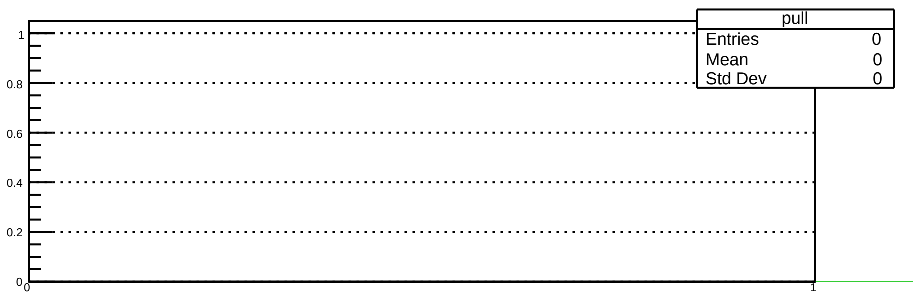
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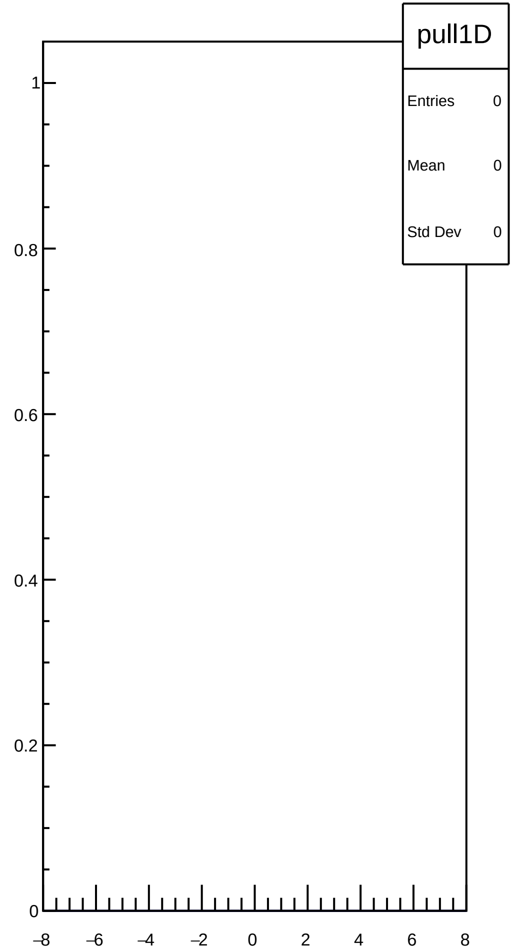
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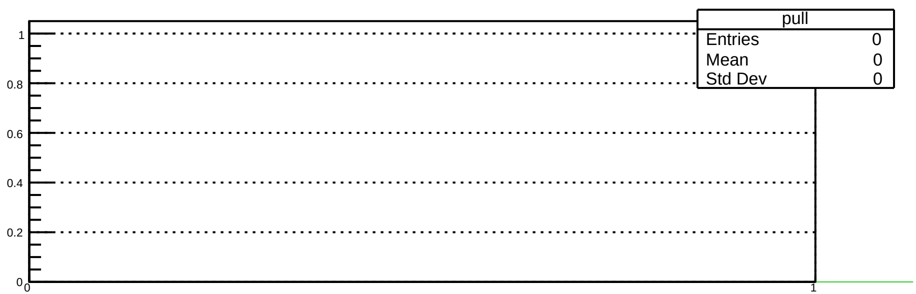
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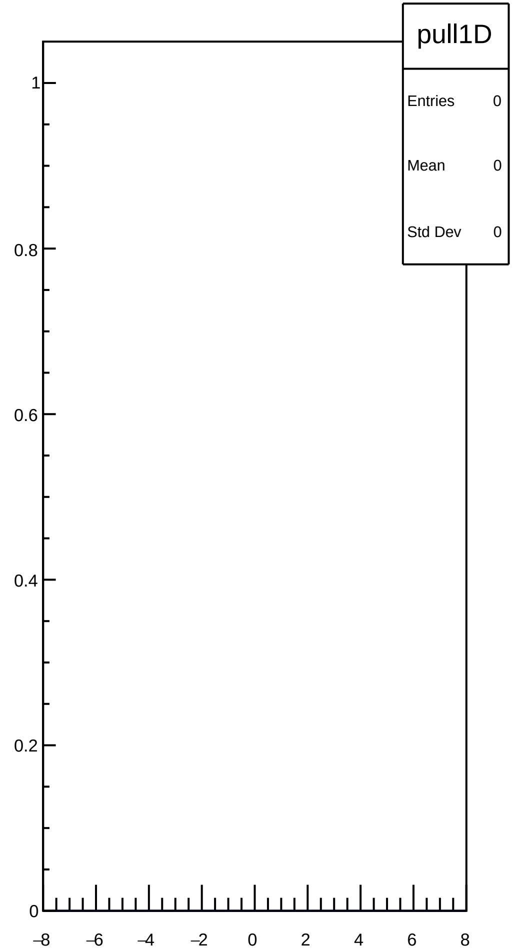
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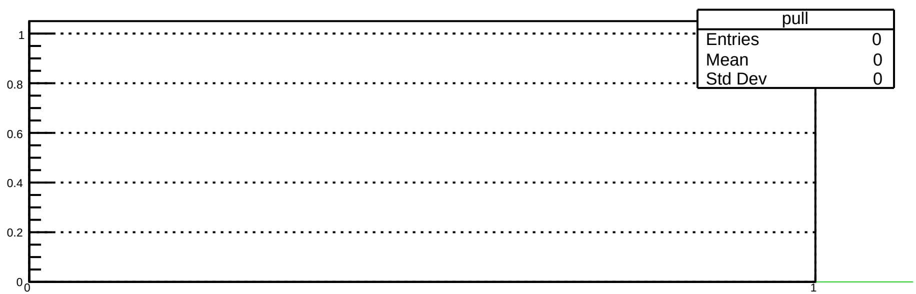
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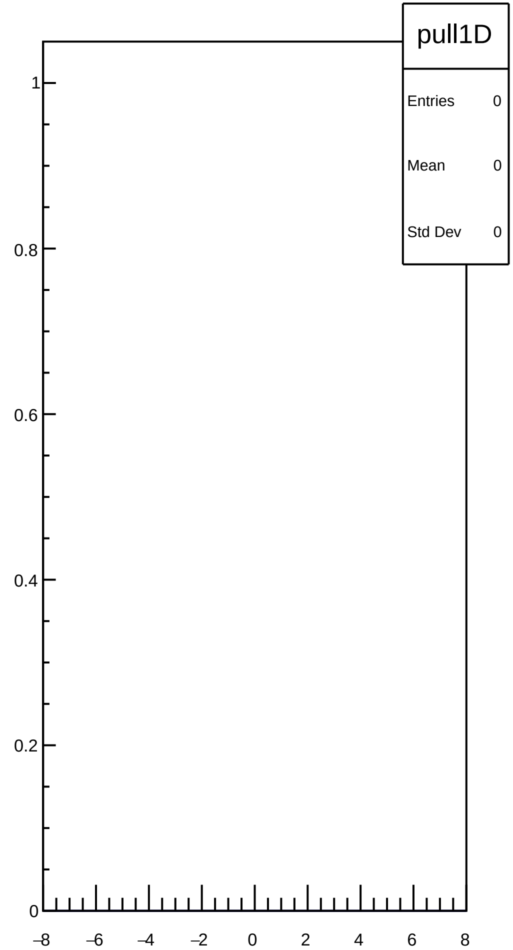
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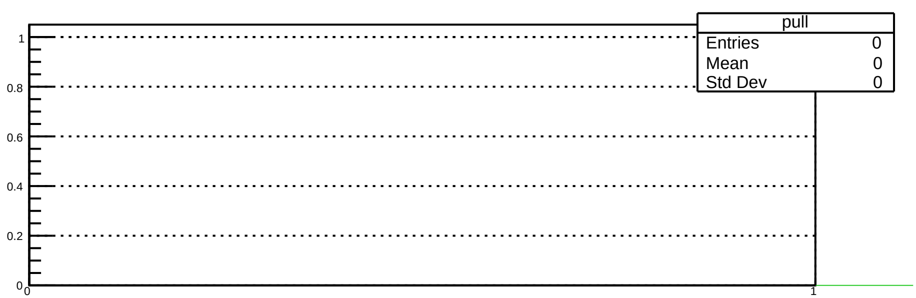

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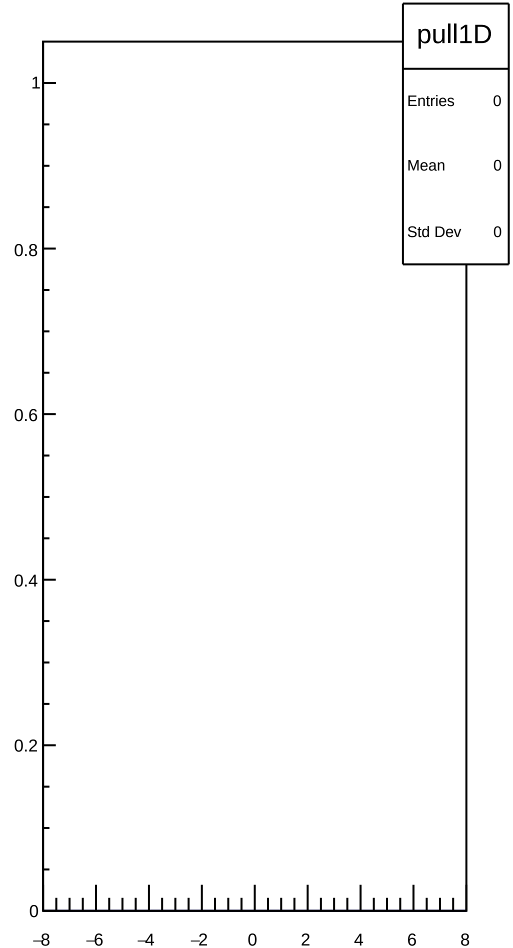

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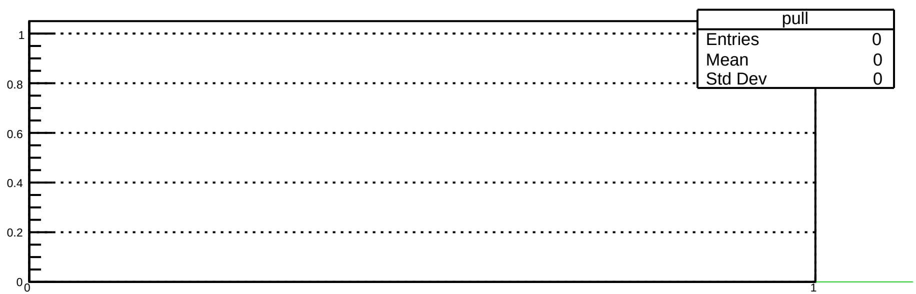
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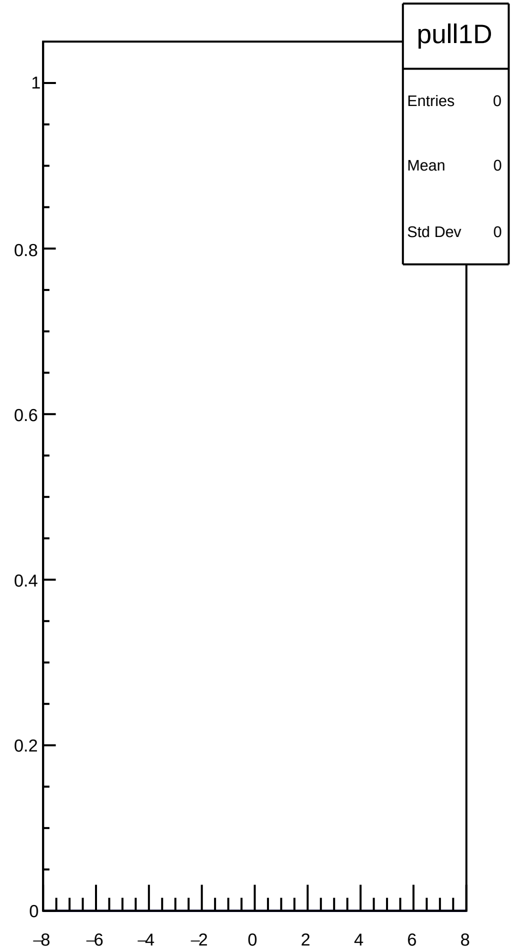
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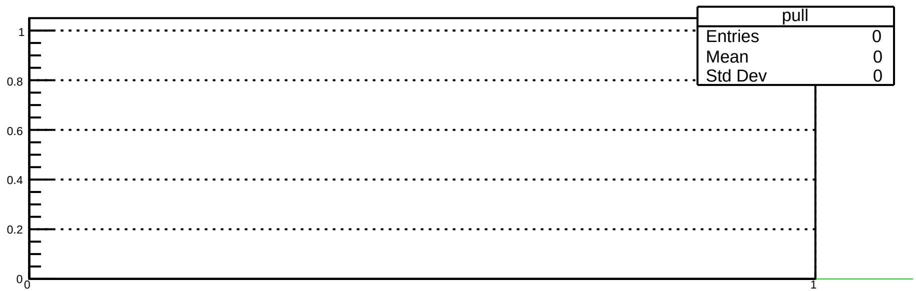

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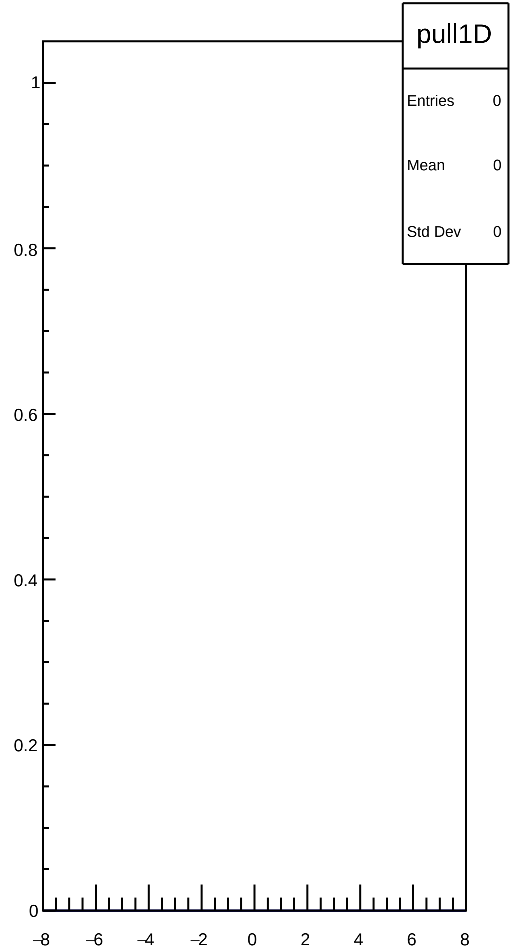

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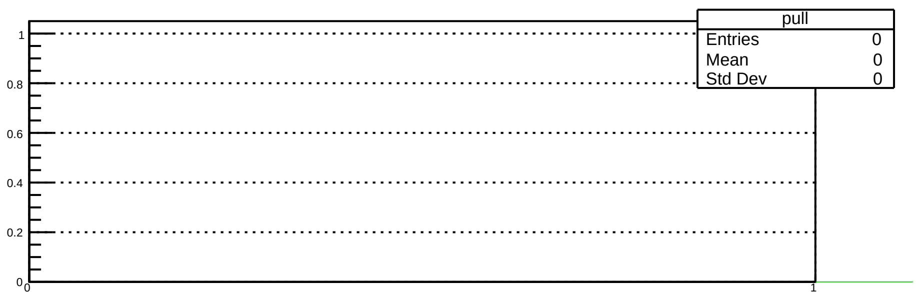
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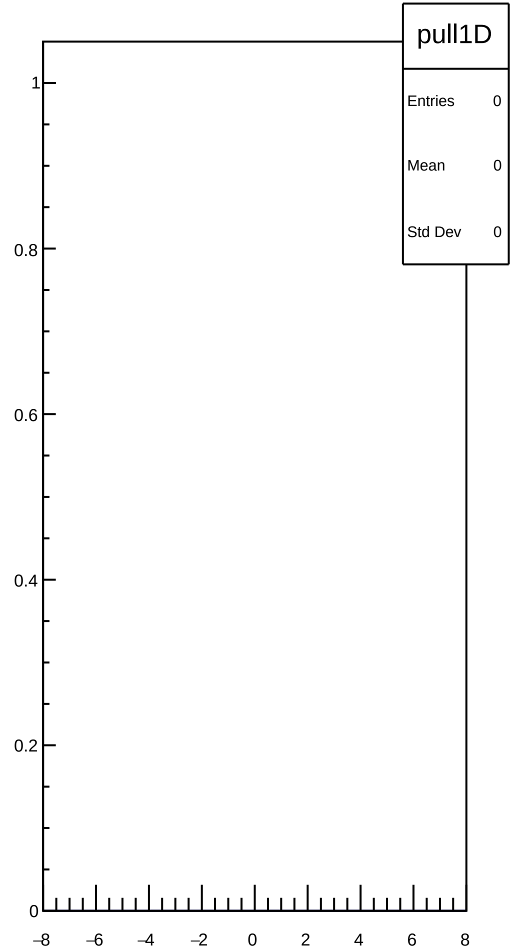
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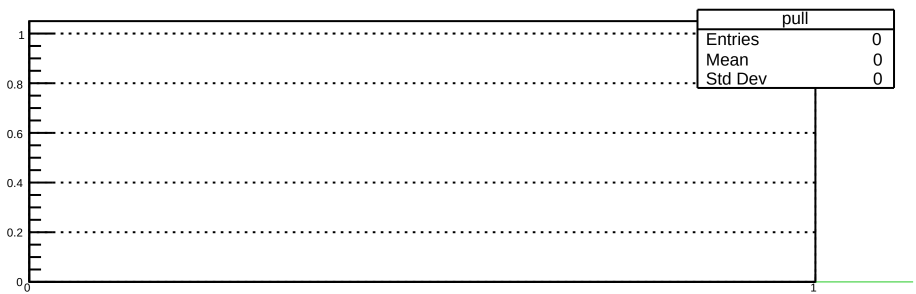
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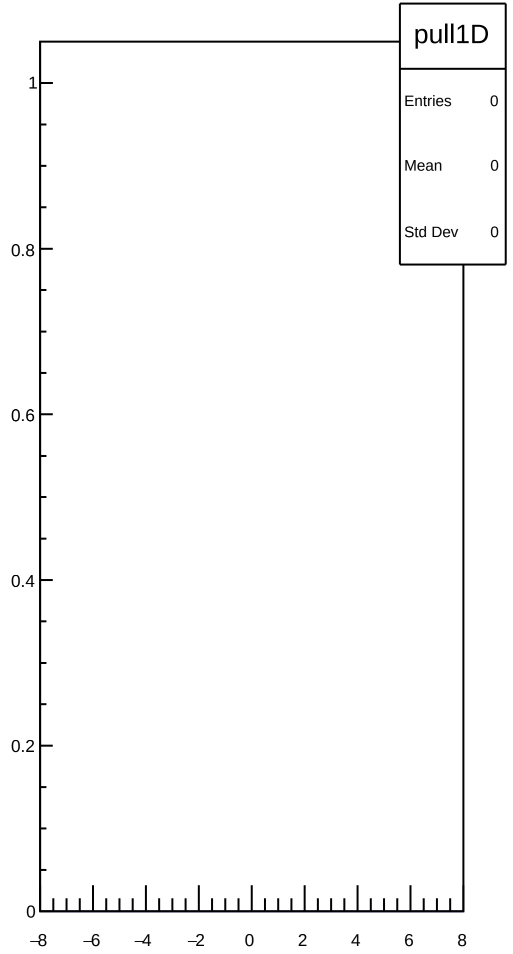
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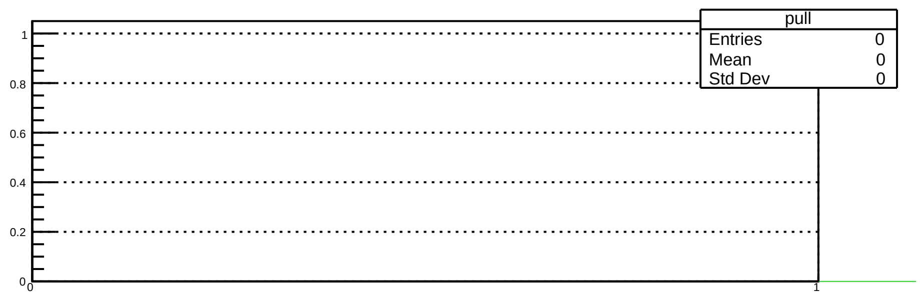

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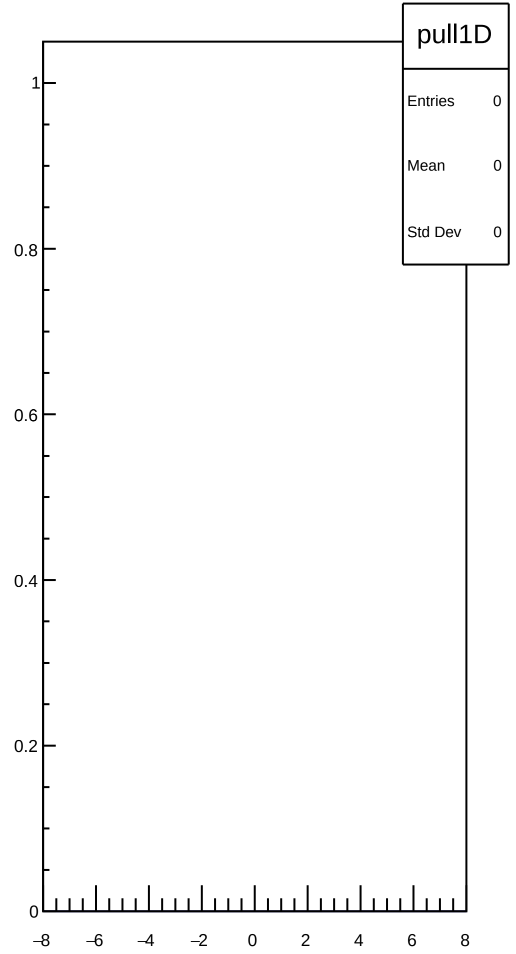

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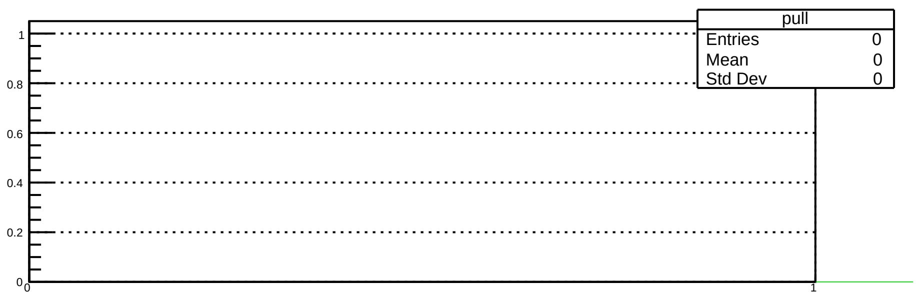
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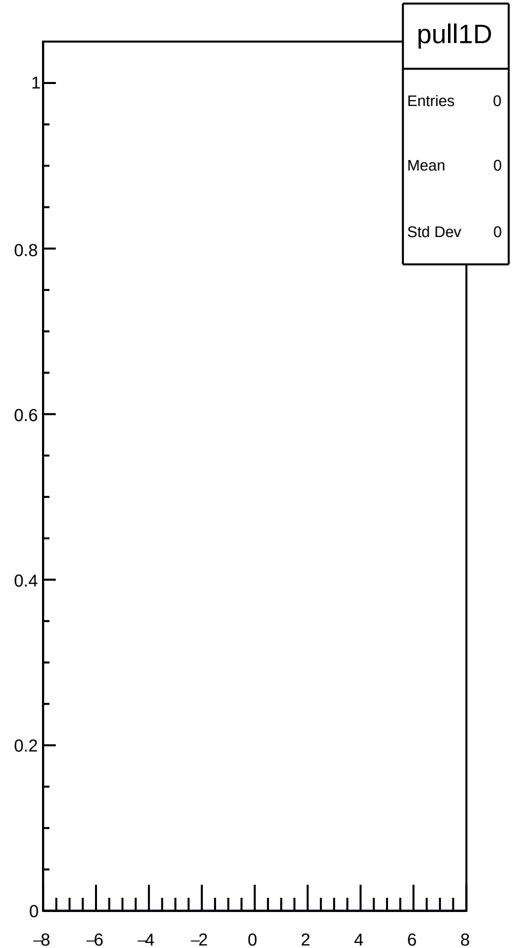
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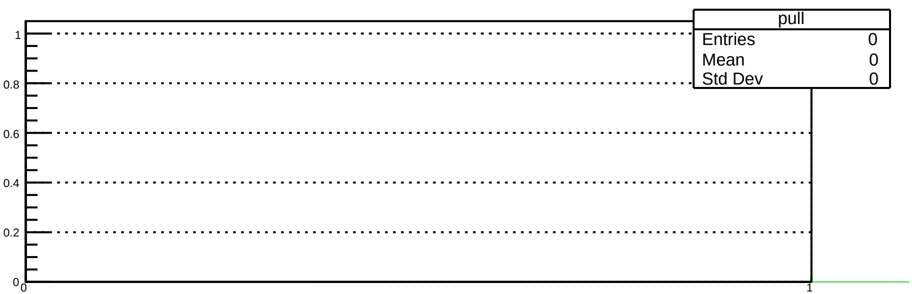
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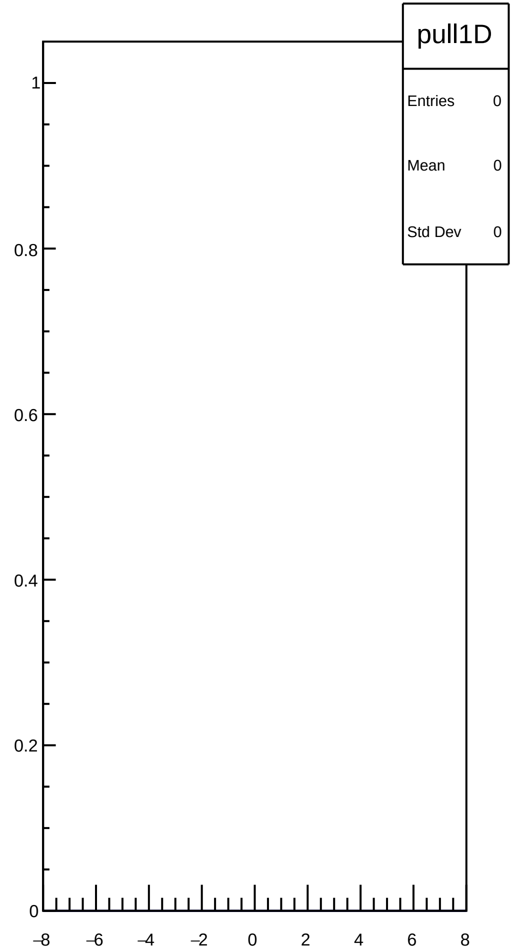
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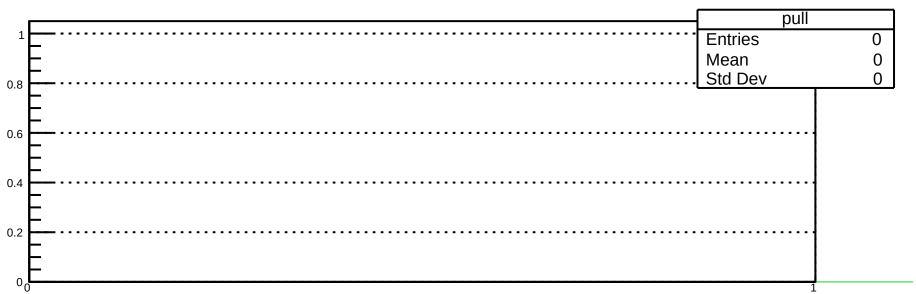
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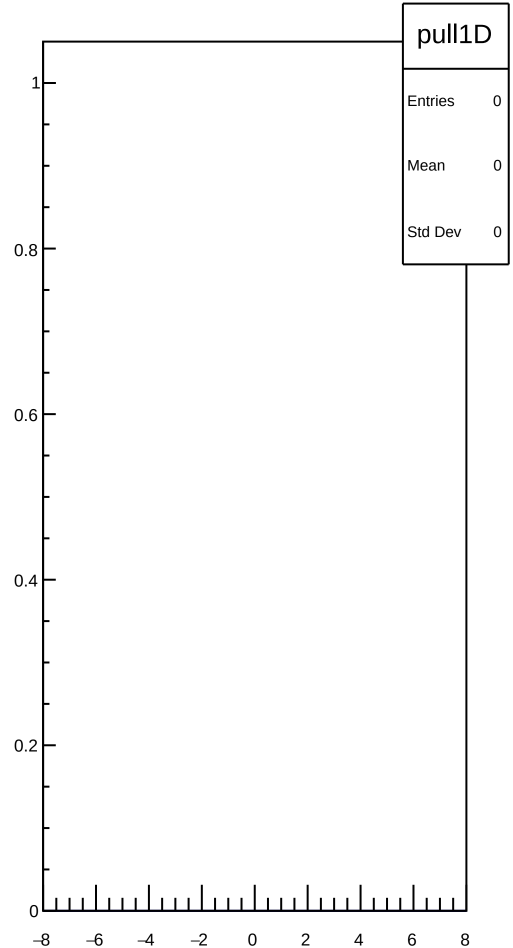
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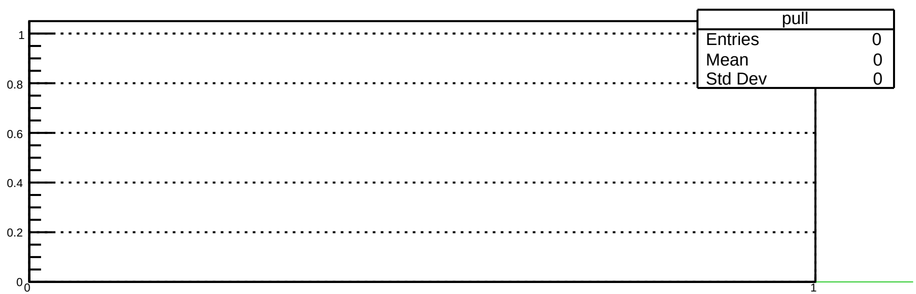
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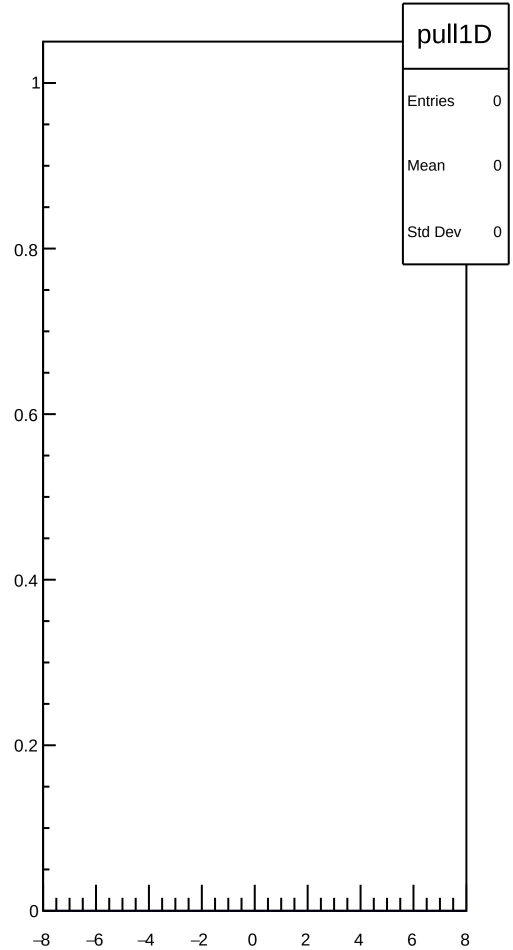
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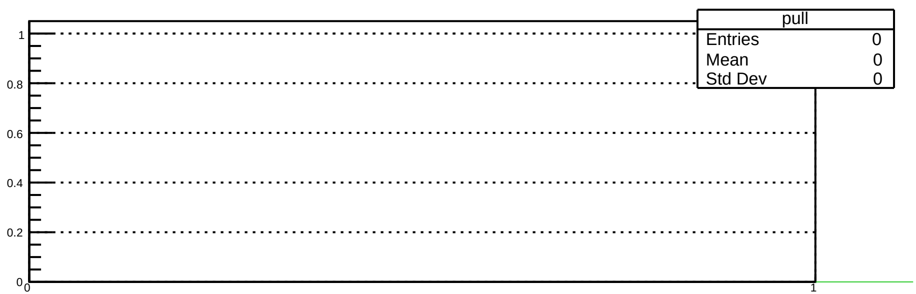
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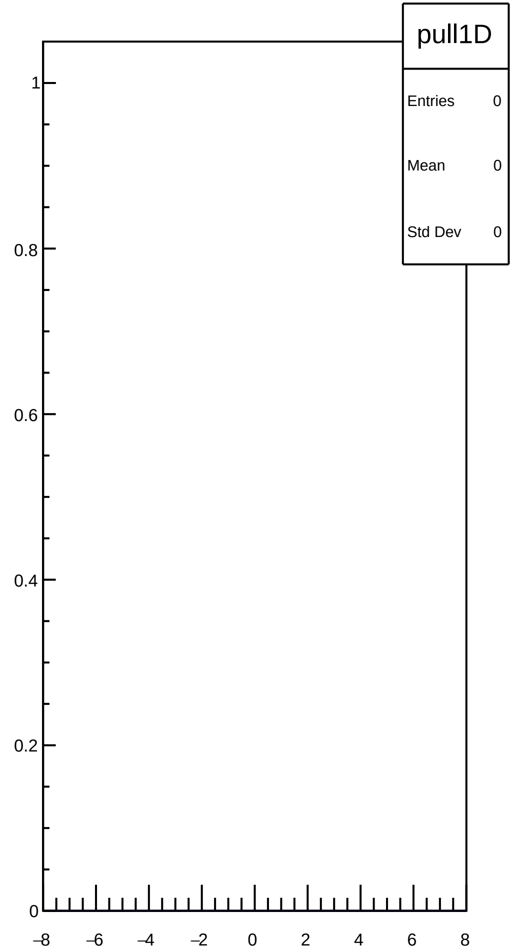
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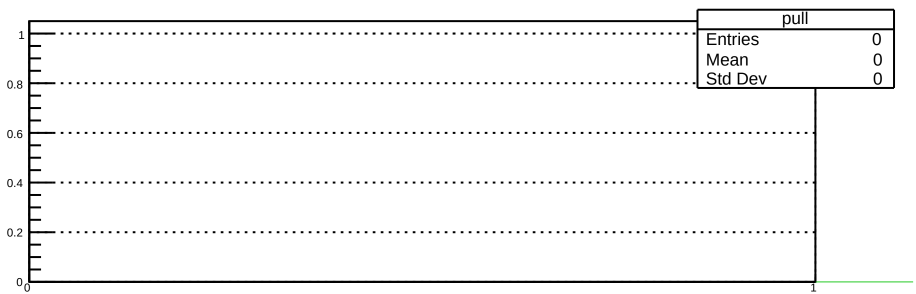
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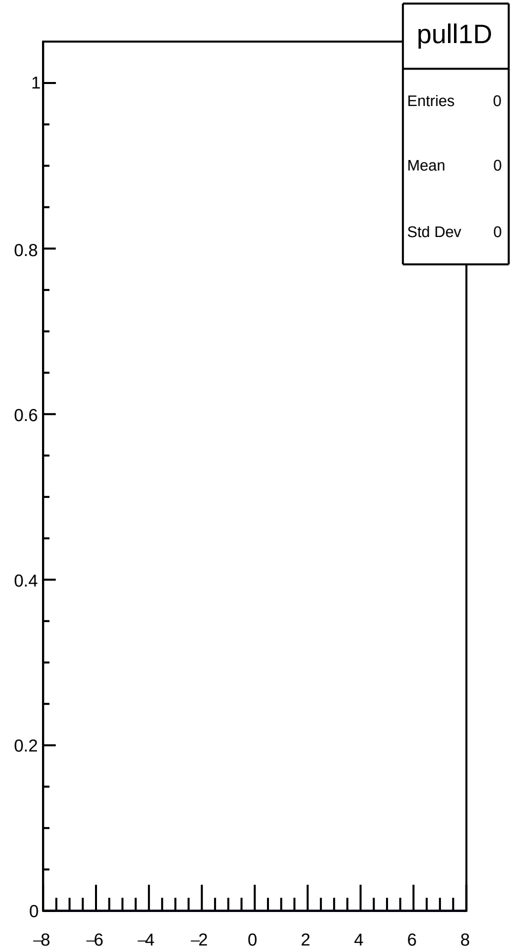
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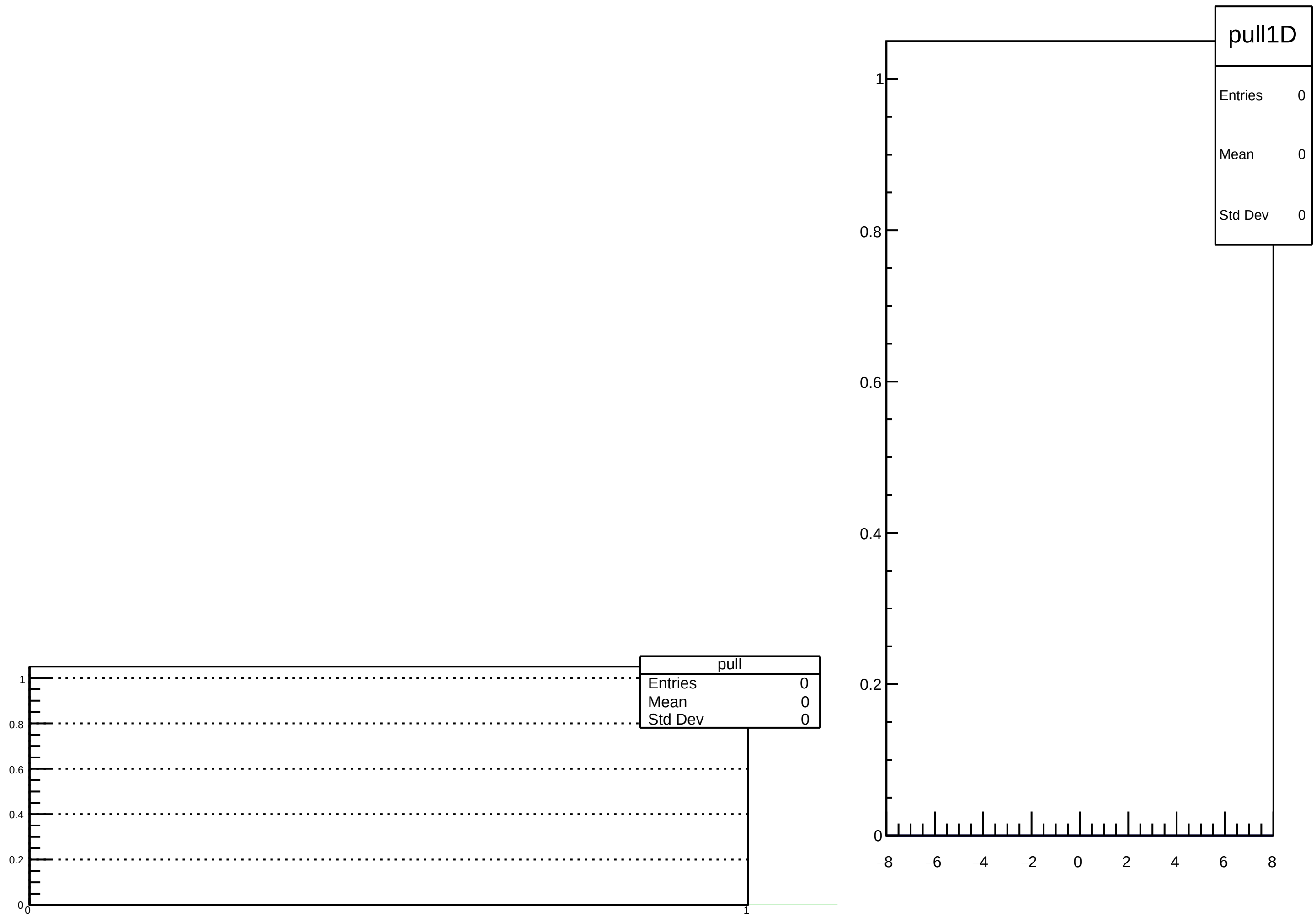

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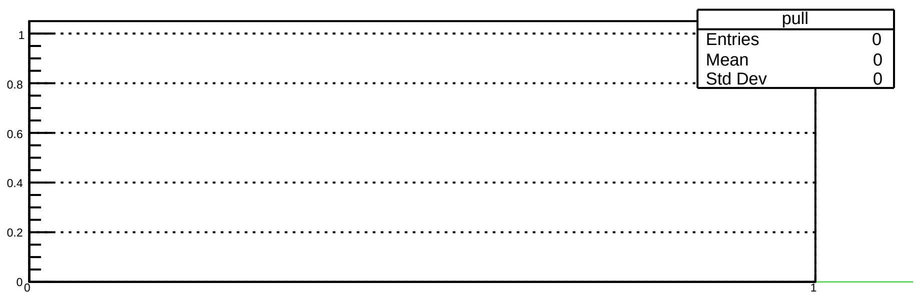
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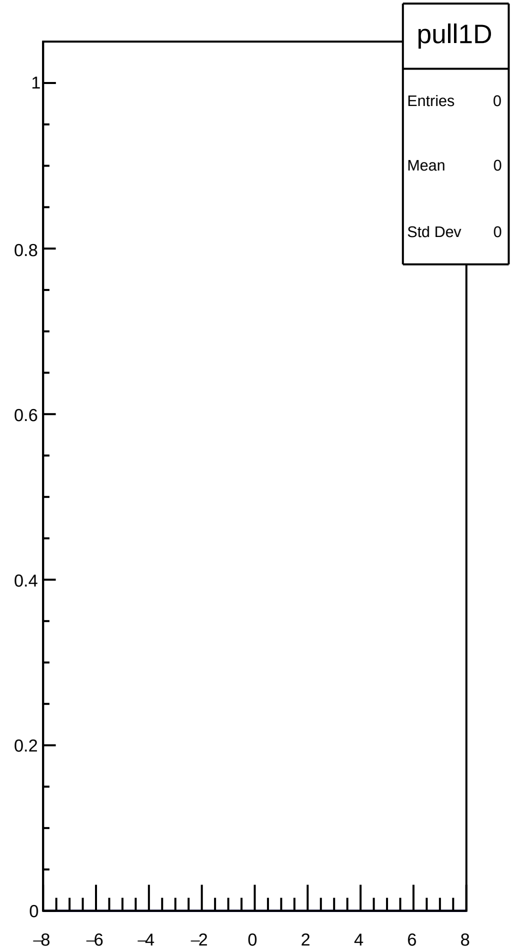
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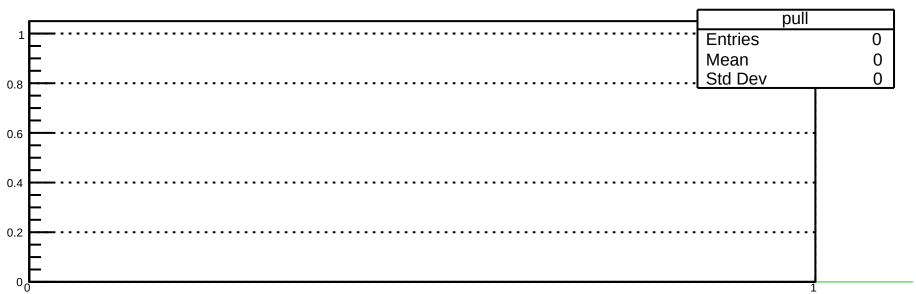
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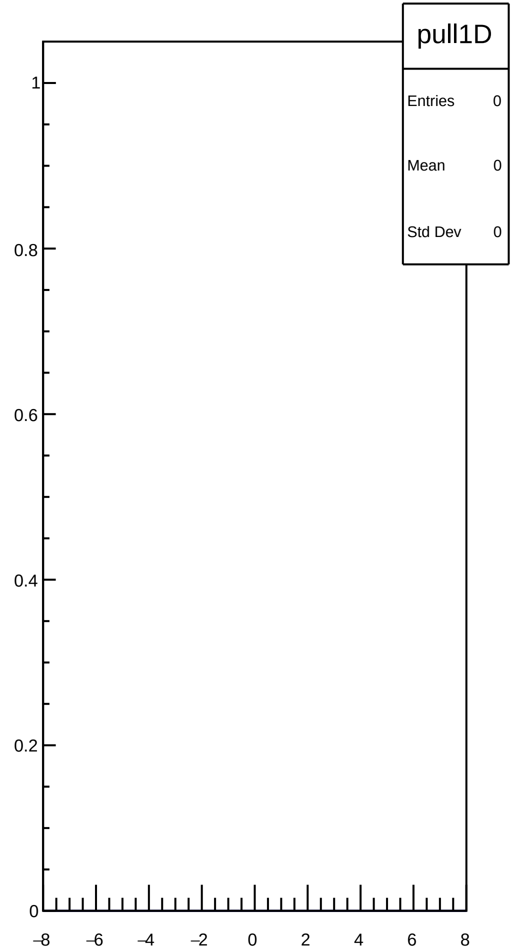
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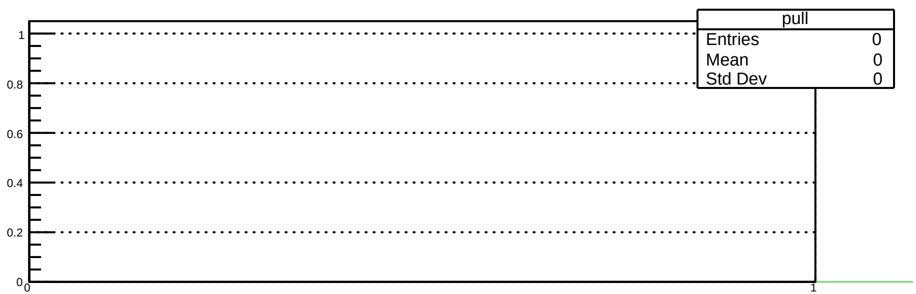

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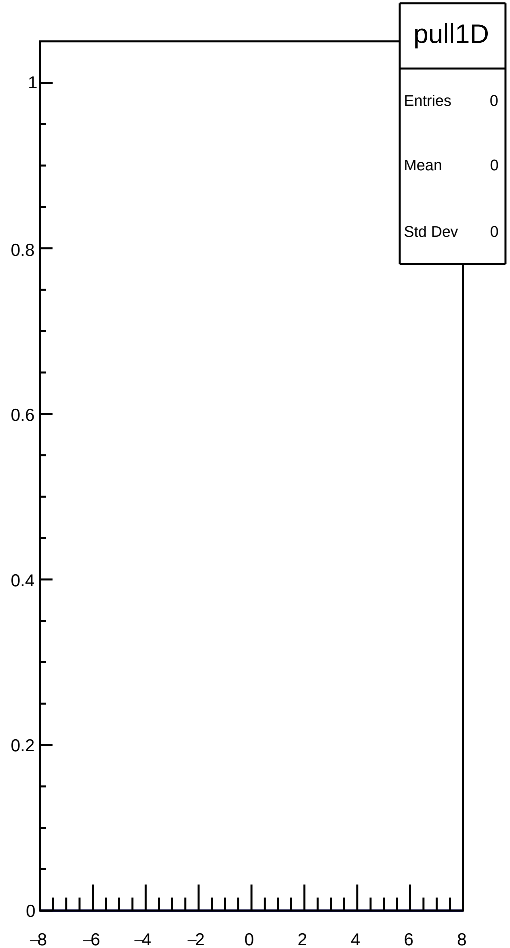

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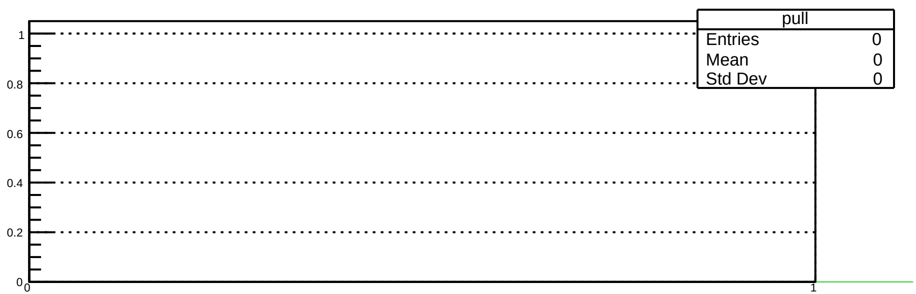
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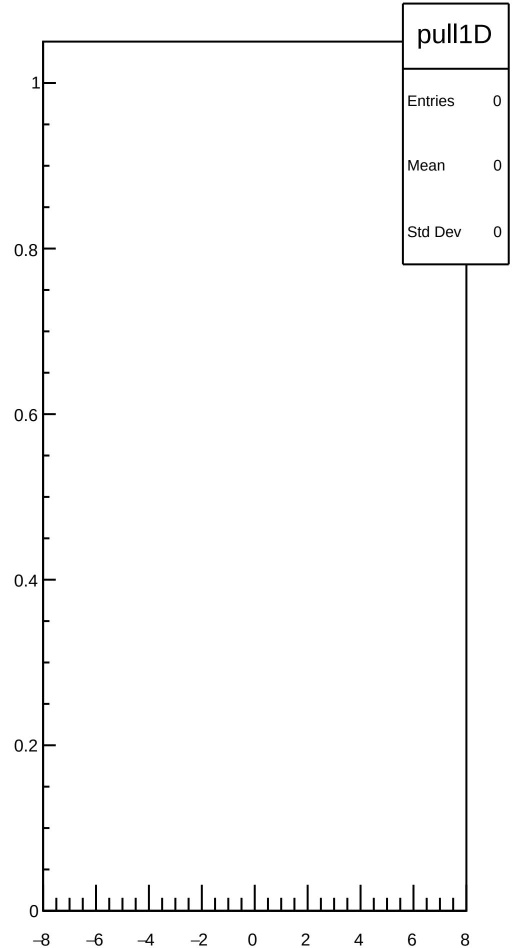
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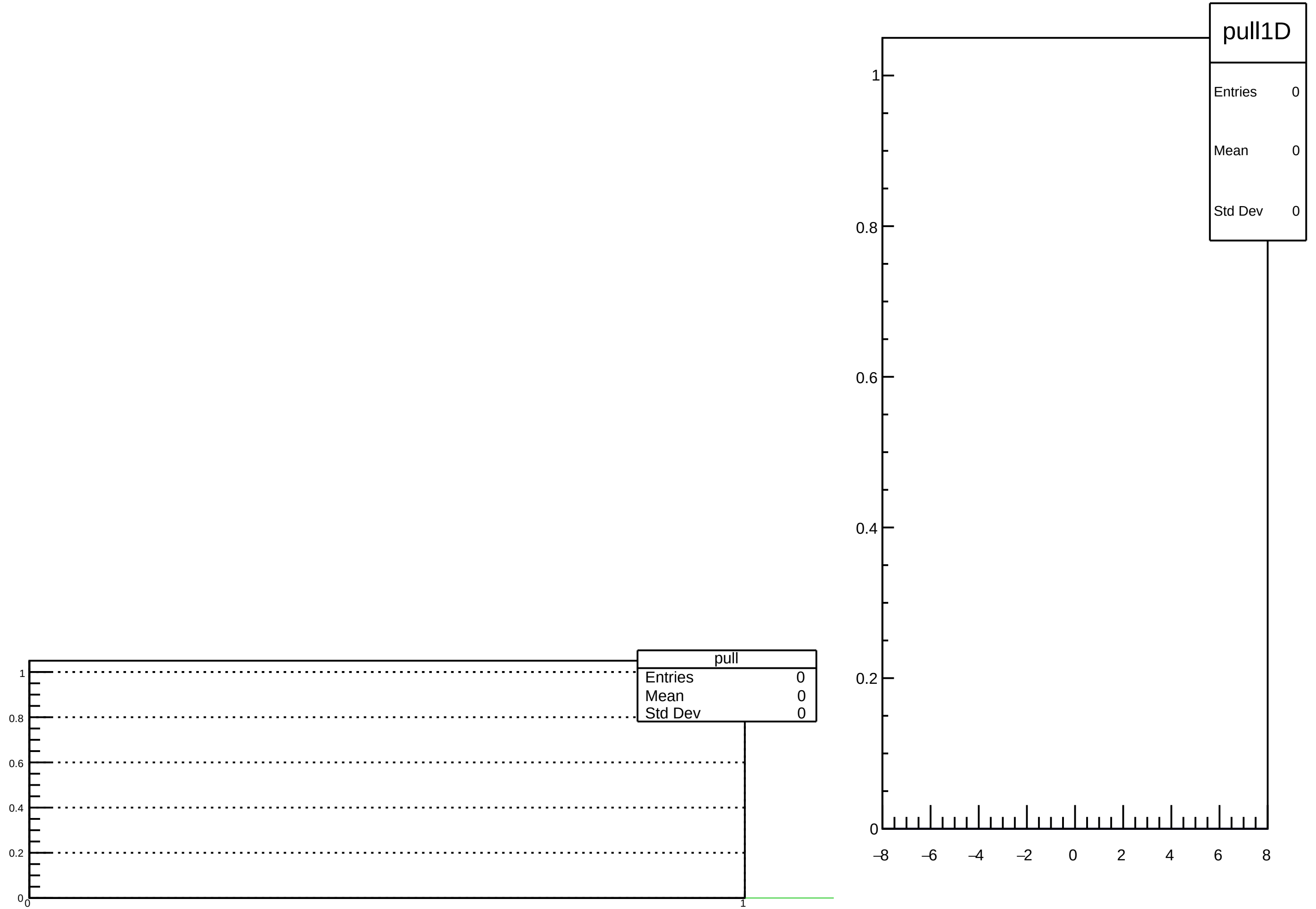
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Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0
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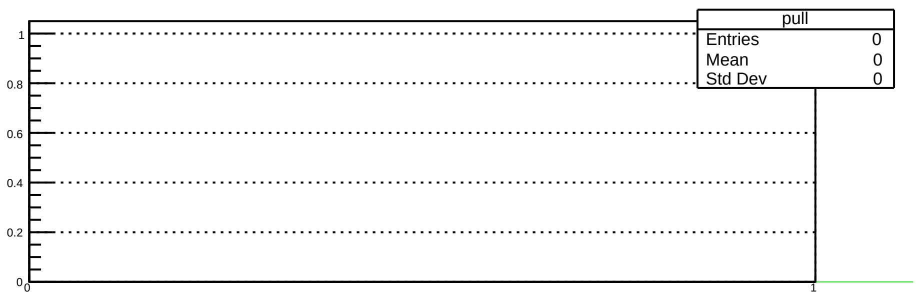
0.4
0.6
0.8
1
−8 −6 −4 −2 0 2 4 6 8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Std Dev 0
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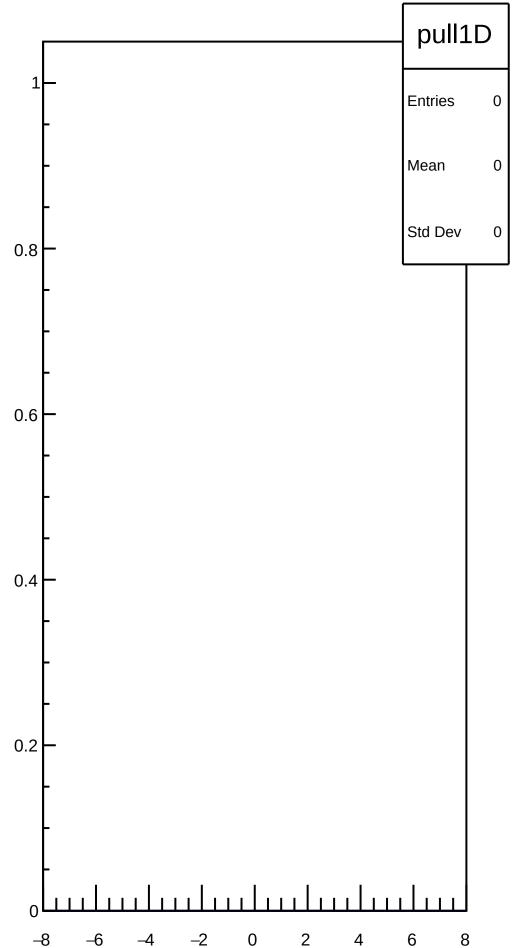
pull1D
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Std Dev 0
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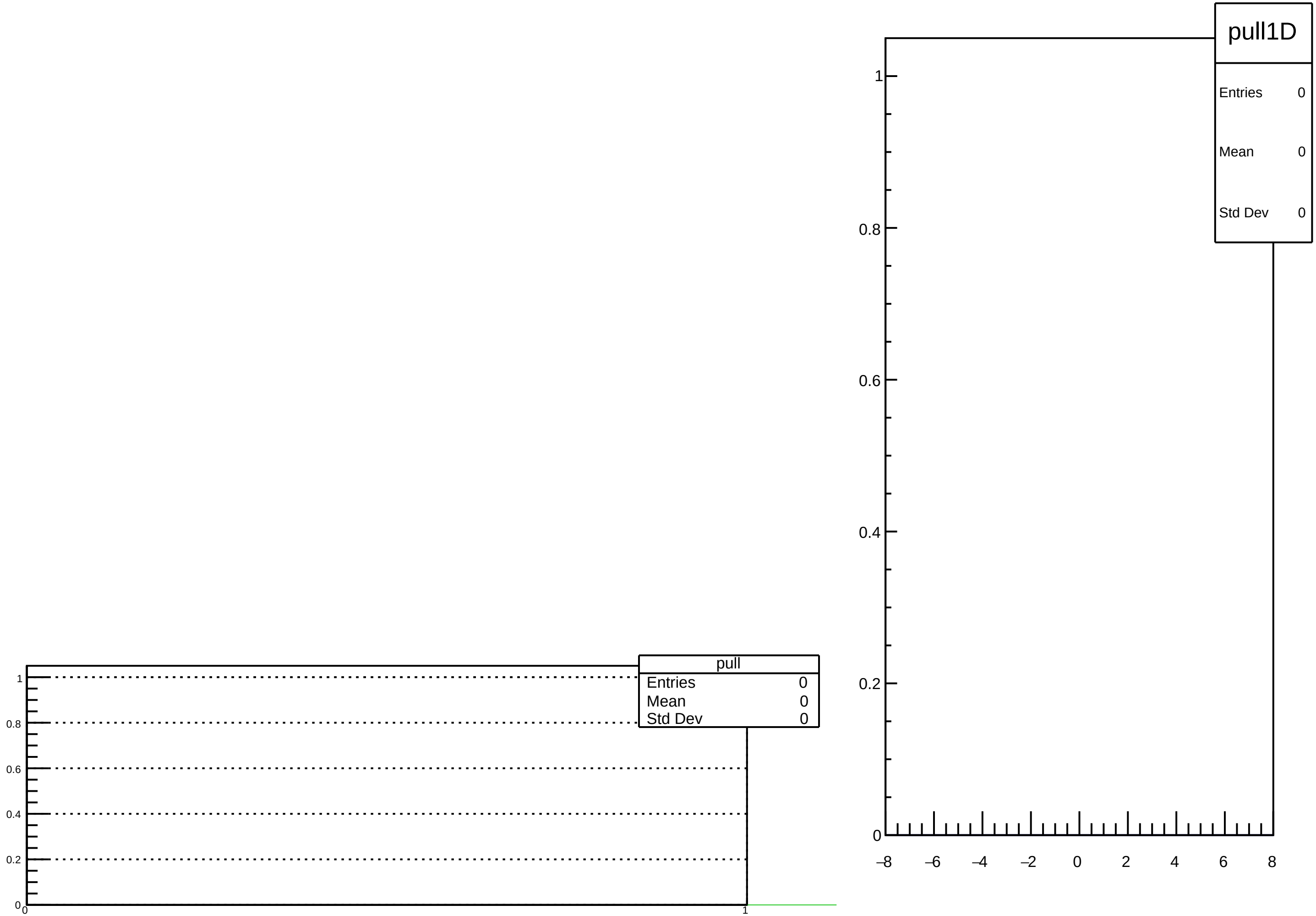
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Std Dev 0
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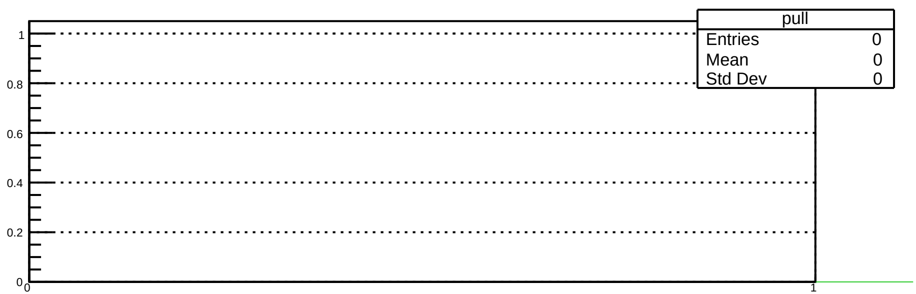
Entries 0
Mean 0
Std Dev 0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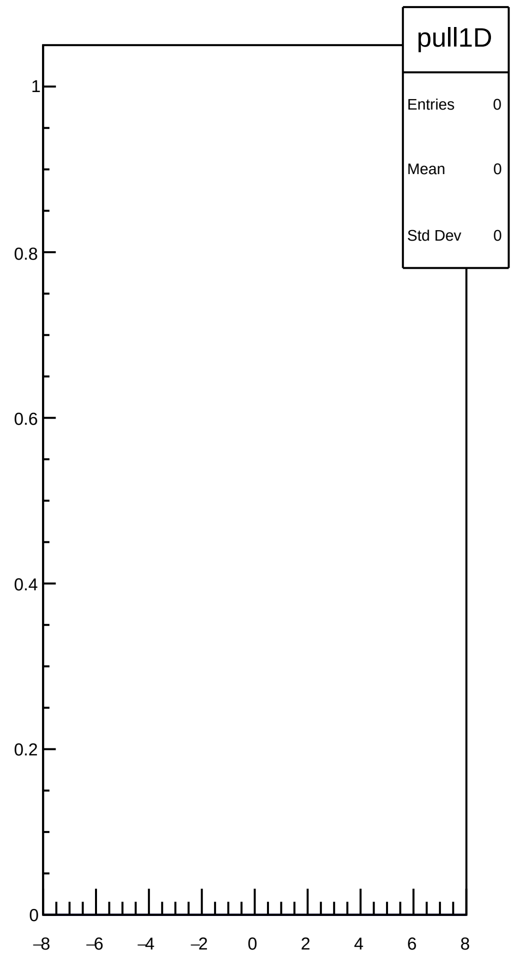
Mean 0
Std Dev 0

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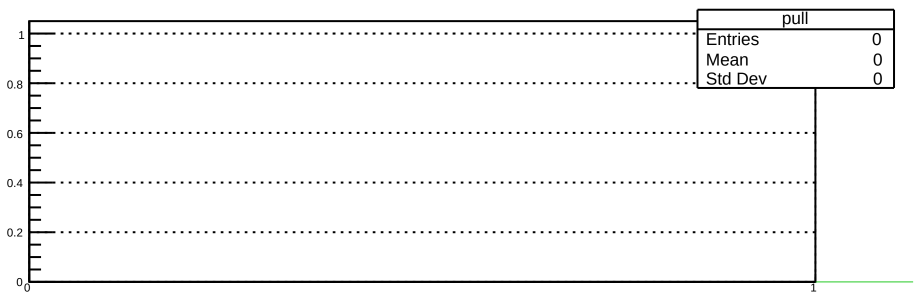
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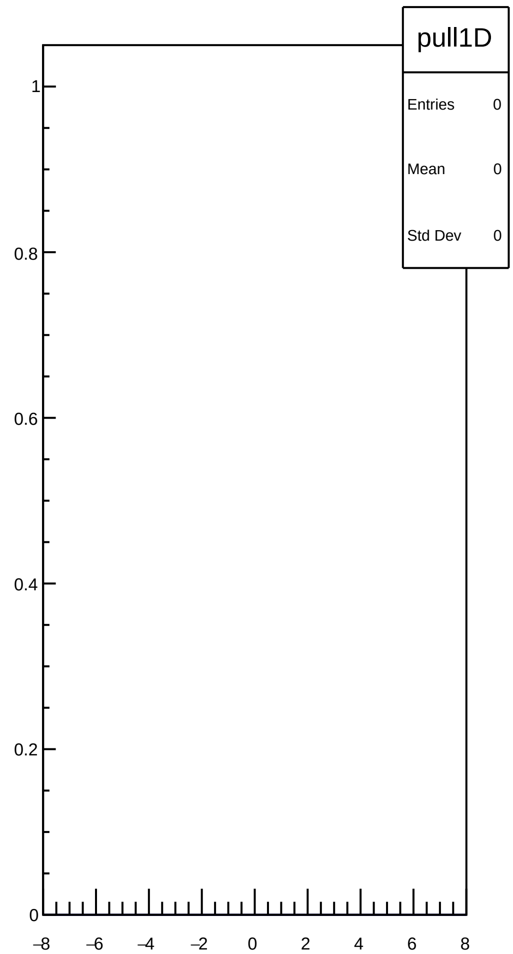
Std Dev 0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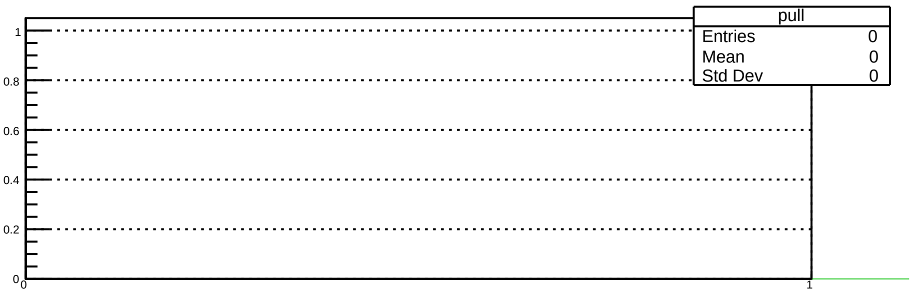
Std Dev 0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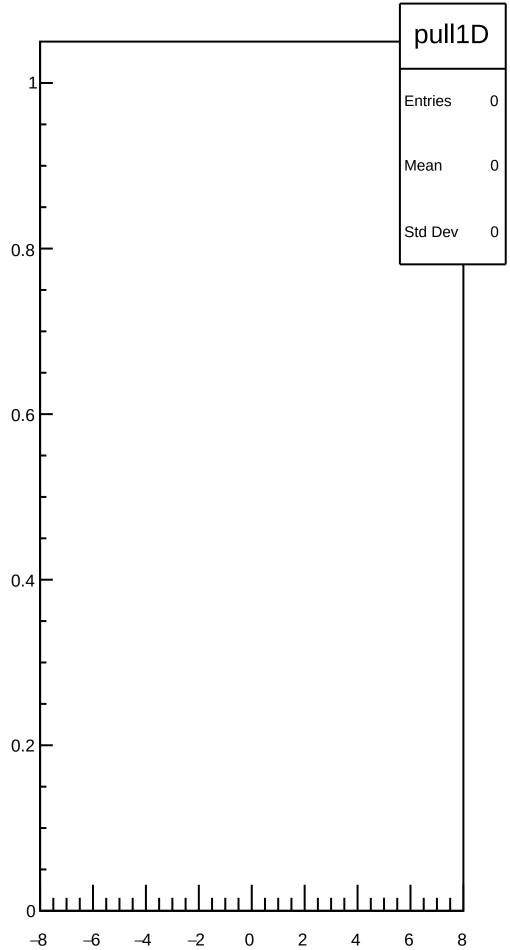
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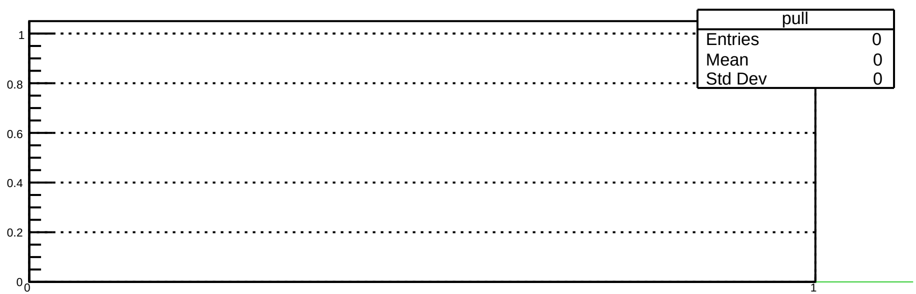
pull
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Std Dev 0
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0.6
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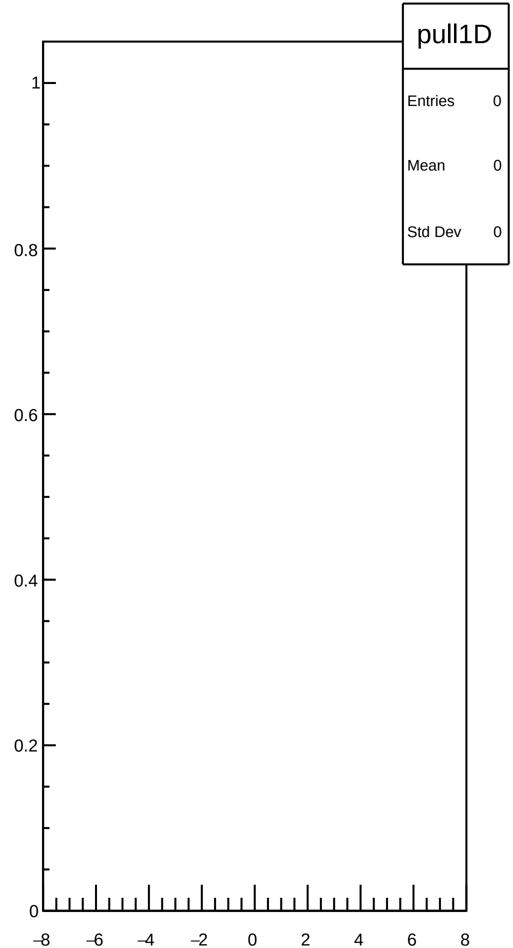
pull1D
Entries 0
Mean 0
Std Dev 0
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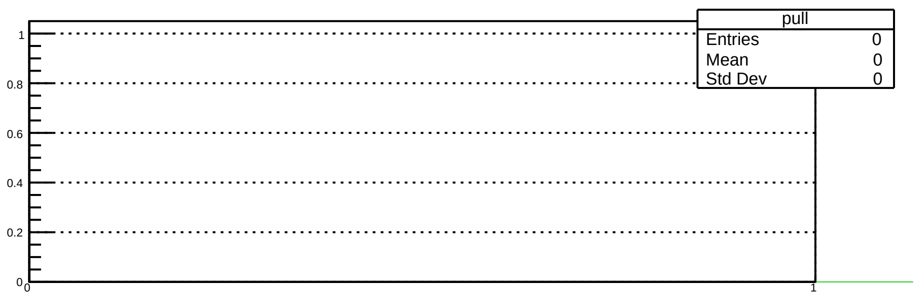
pull
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Std Dev 0
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0.6
0.4
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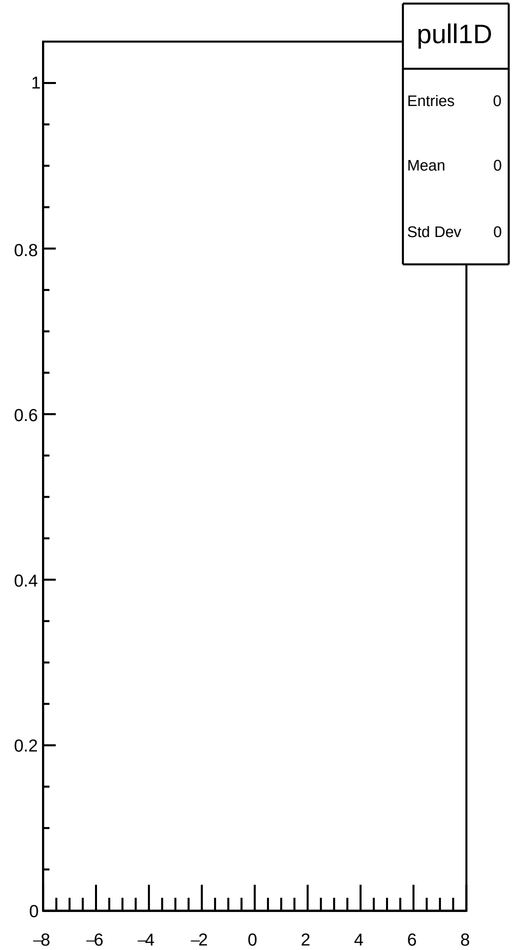
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Std Dev 0
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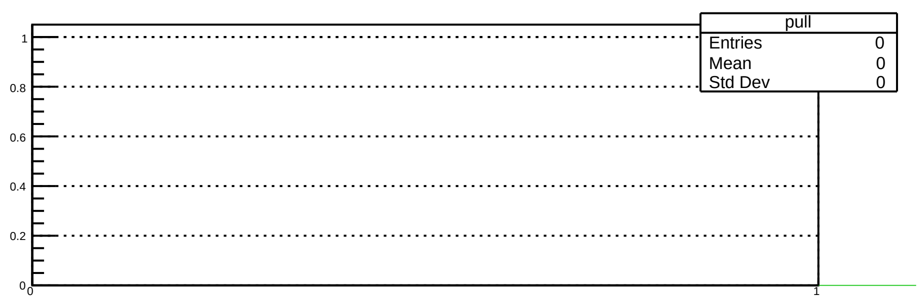
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Std Dev 0
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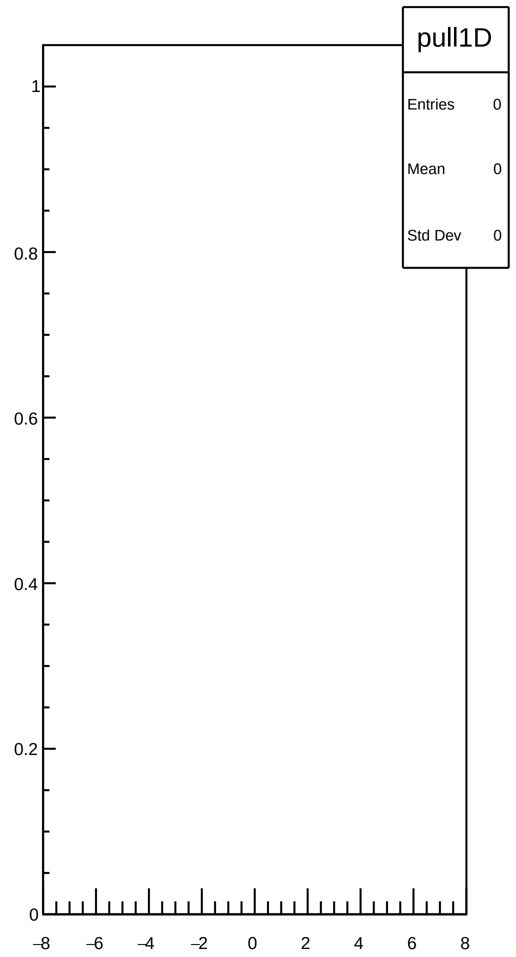
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Std Dev 0
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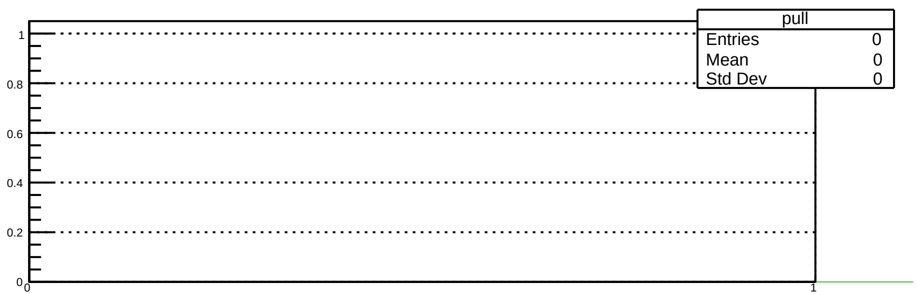

pull
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
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0
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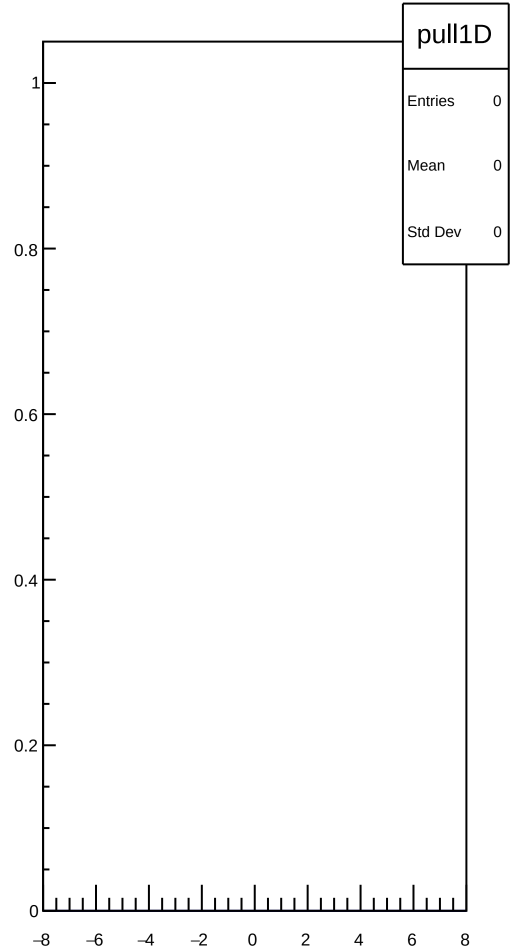

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
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6
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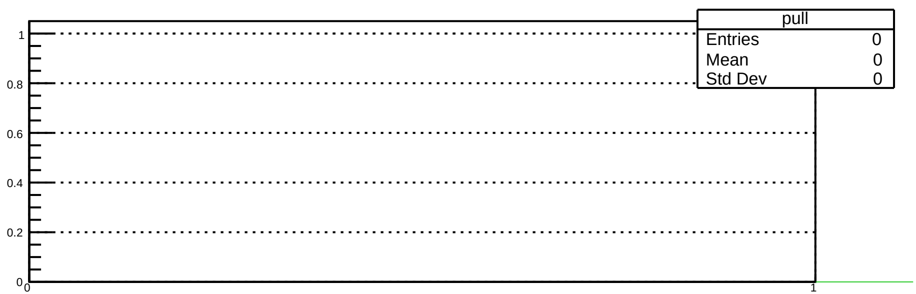
pull
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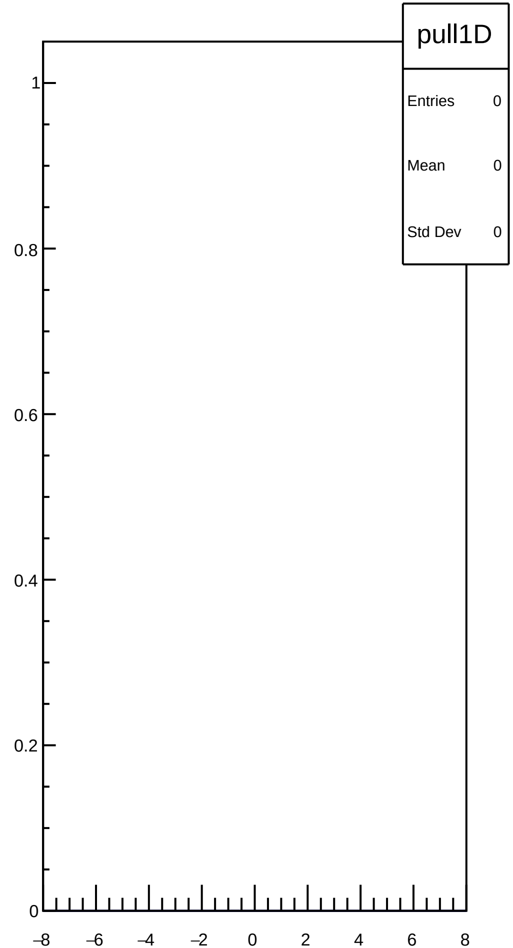
Mean 0
Std Dev 0


pull1D
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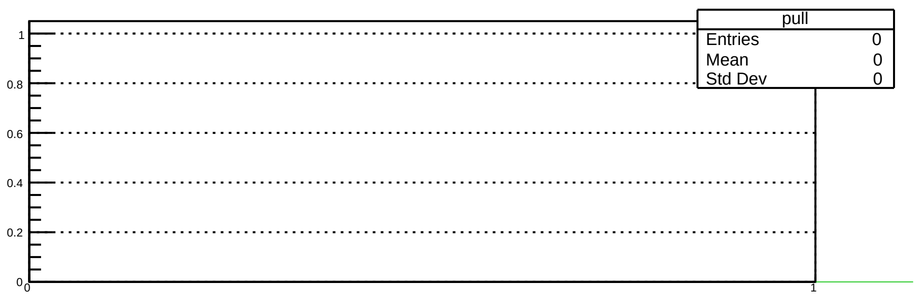
Mean 0
Std Dev 0


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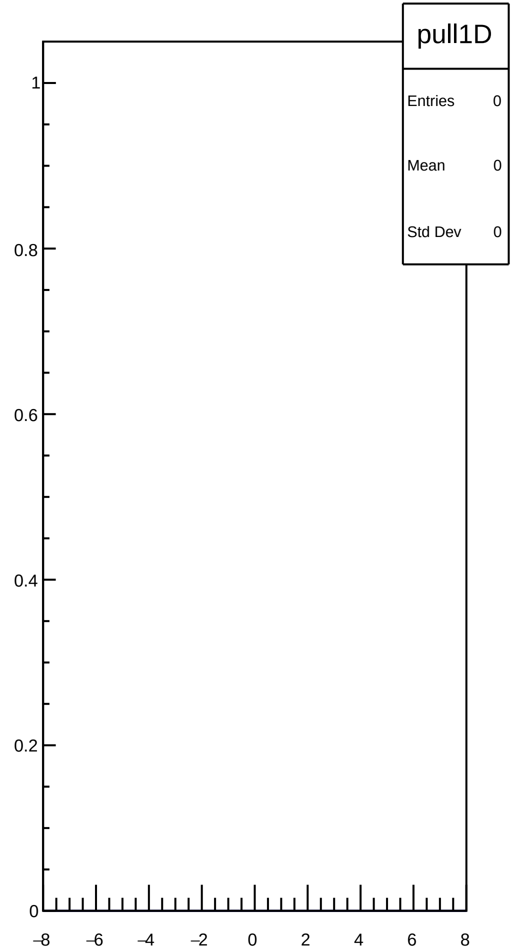
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
1
–8
–6
–4
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0
2
4
6
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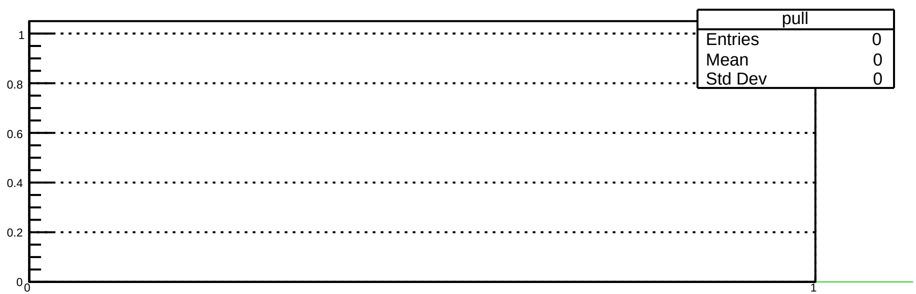
pull
Entries 0
Mean 0
Std Dev 0
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0.2
0.4
0.6
0.8
1
0
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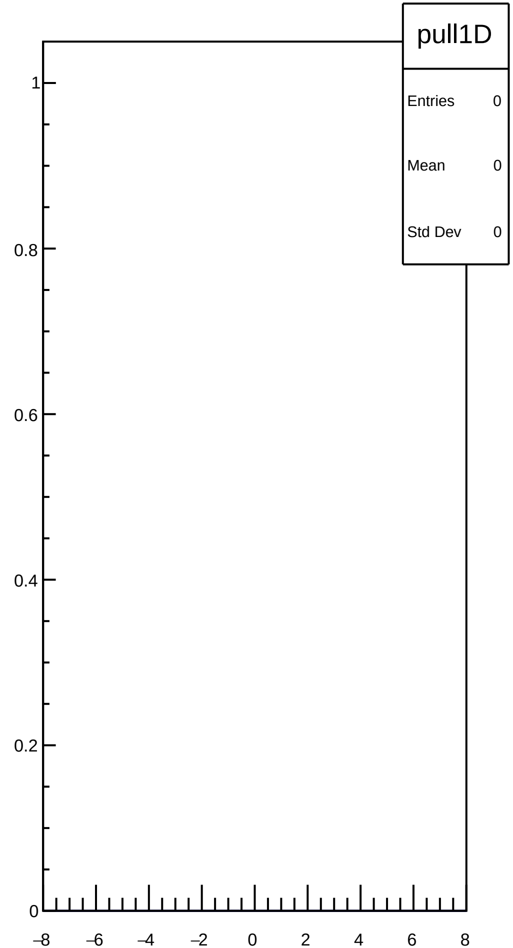
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
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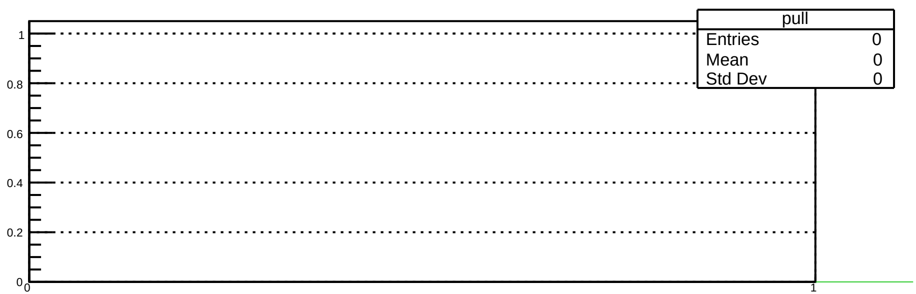
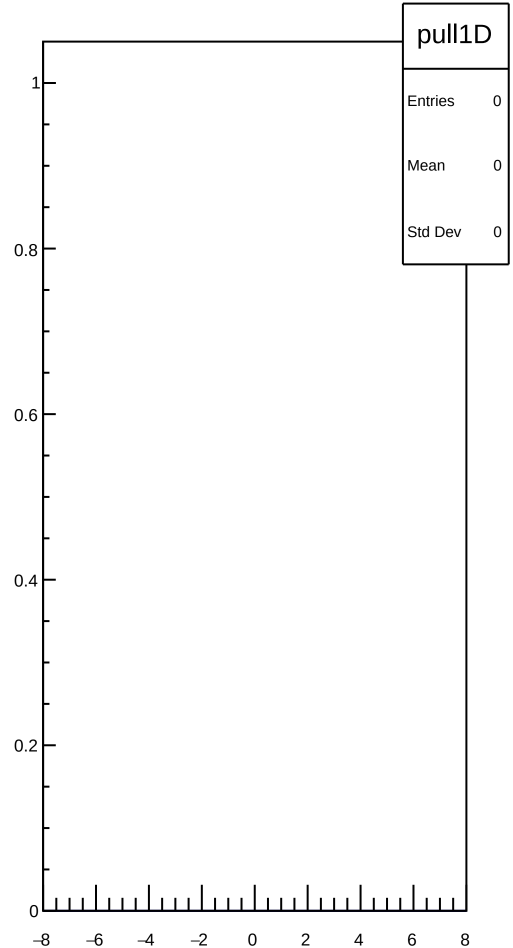
0
2
4
6
8



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

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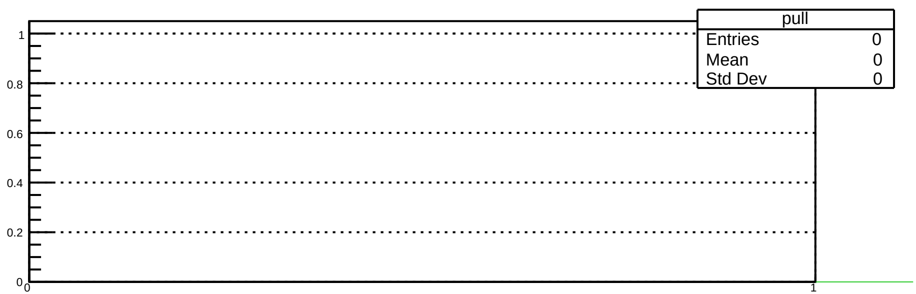
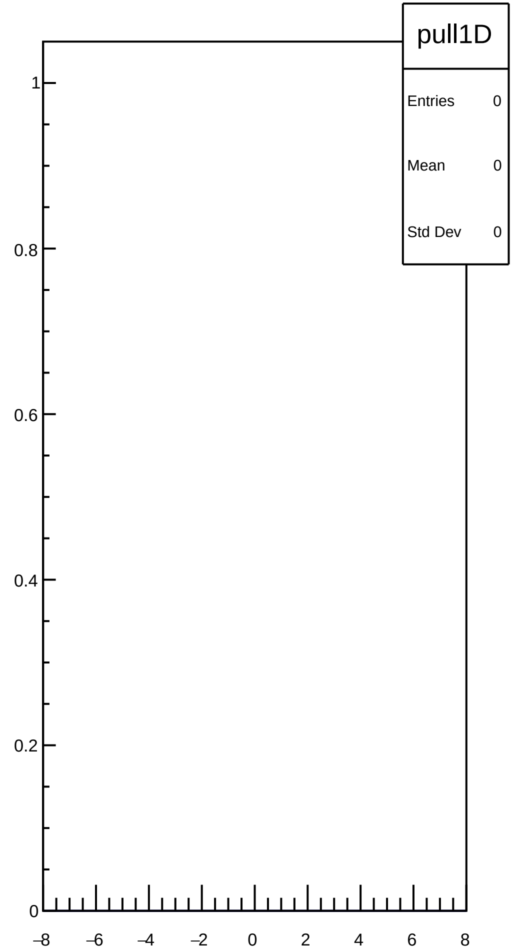
0
2
4
6
8


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


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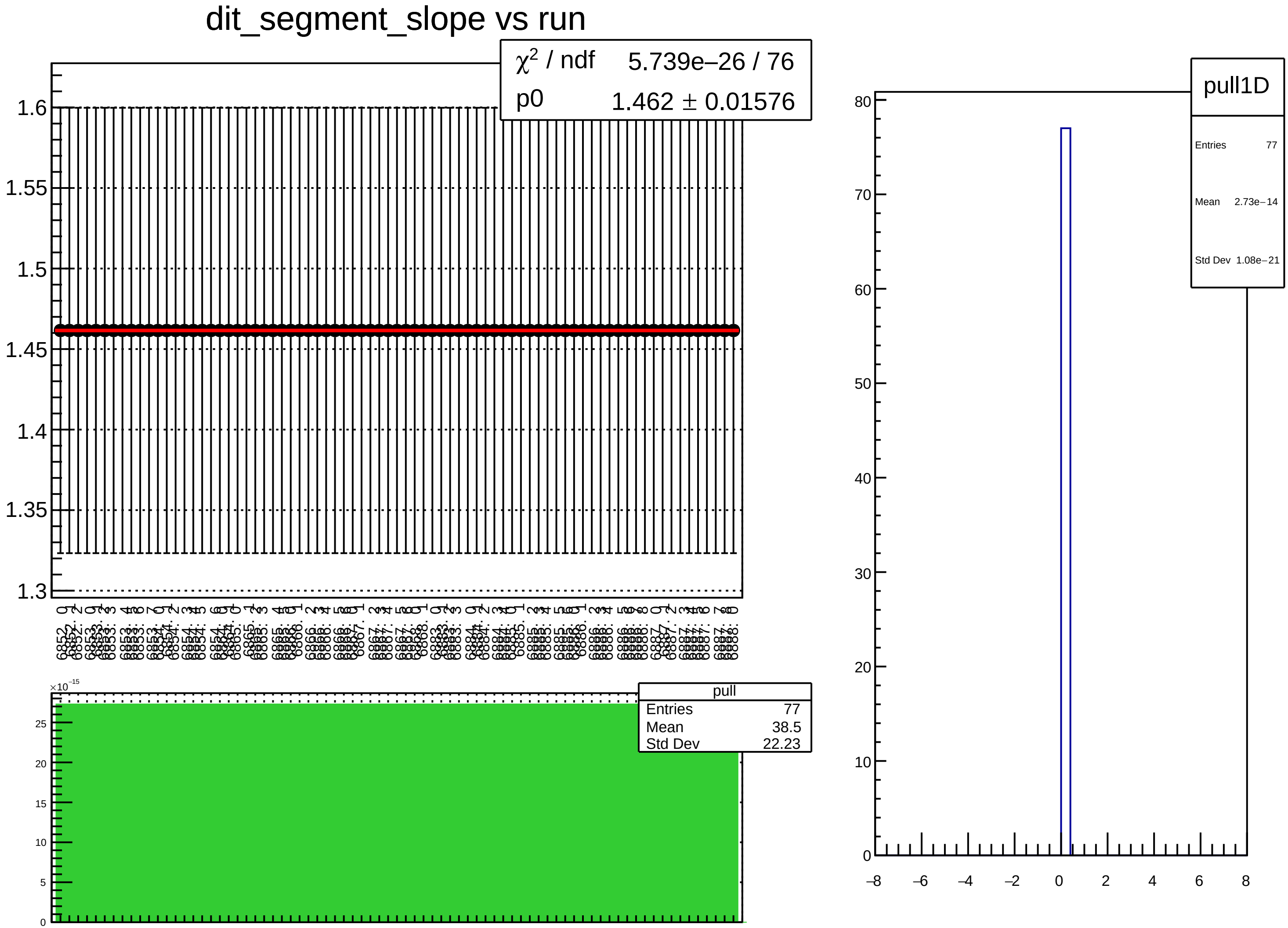
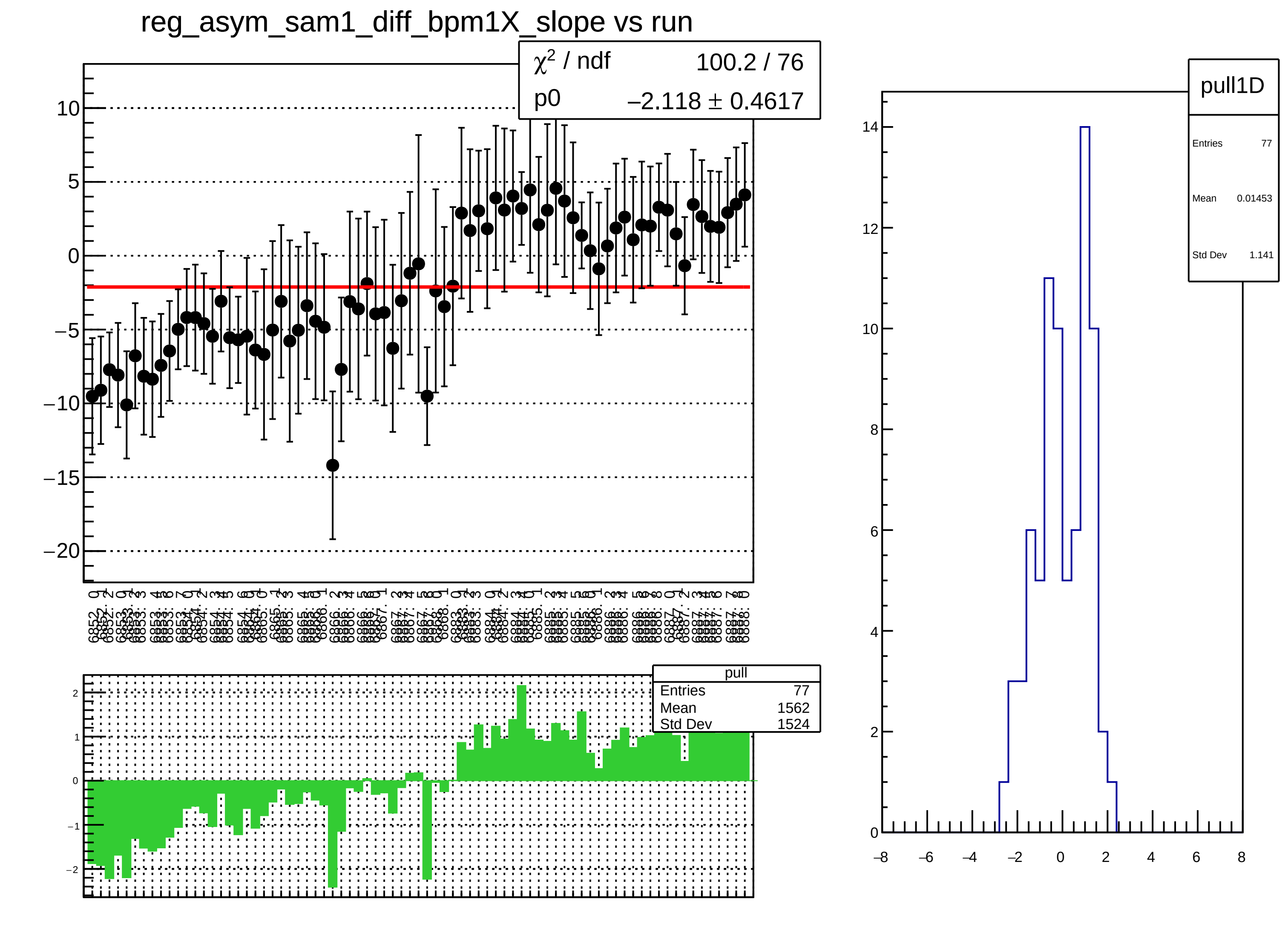
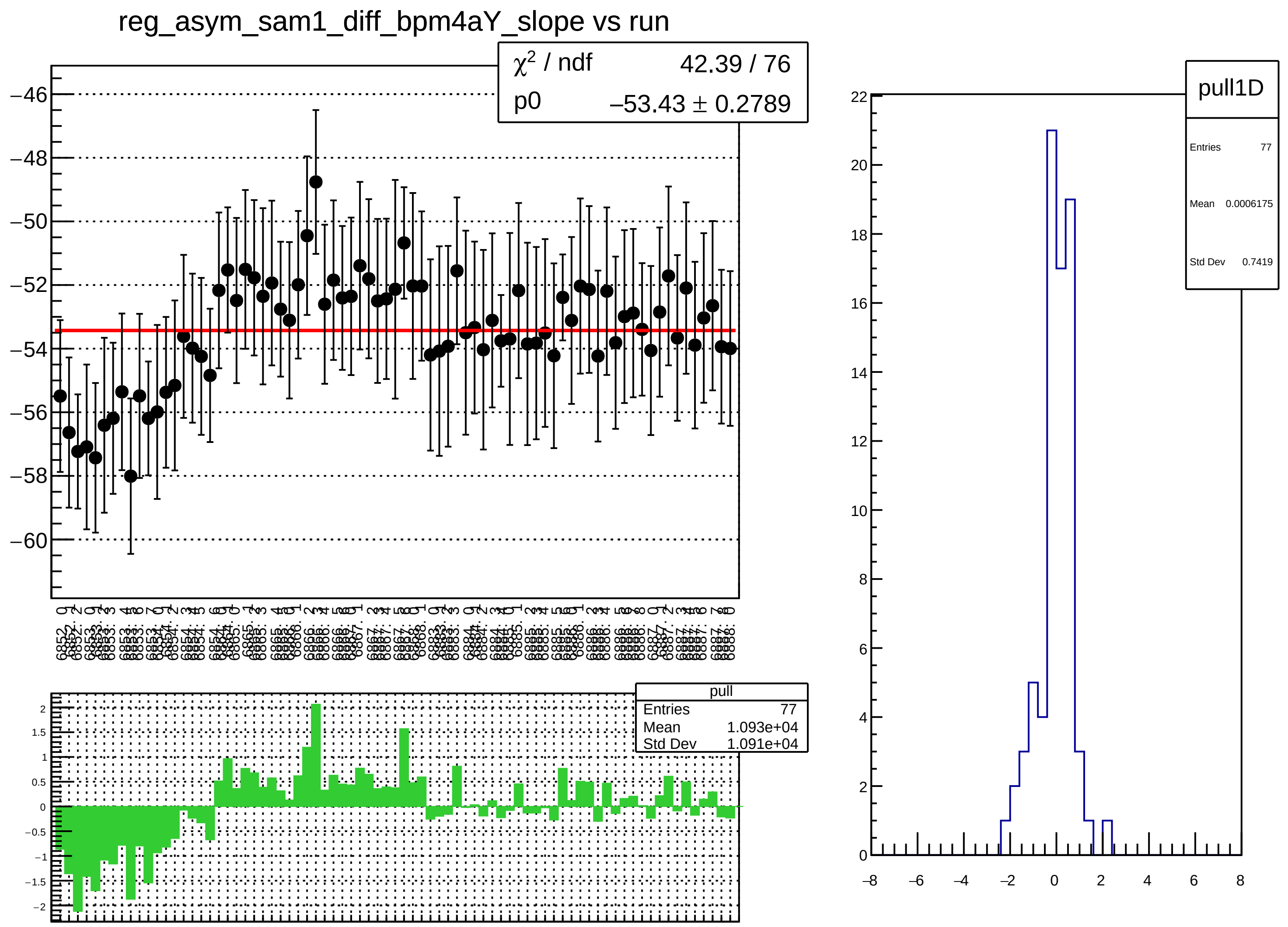
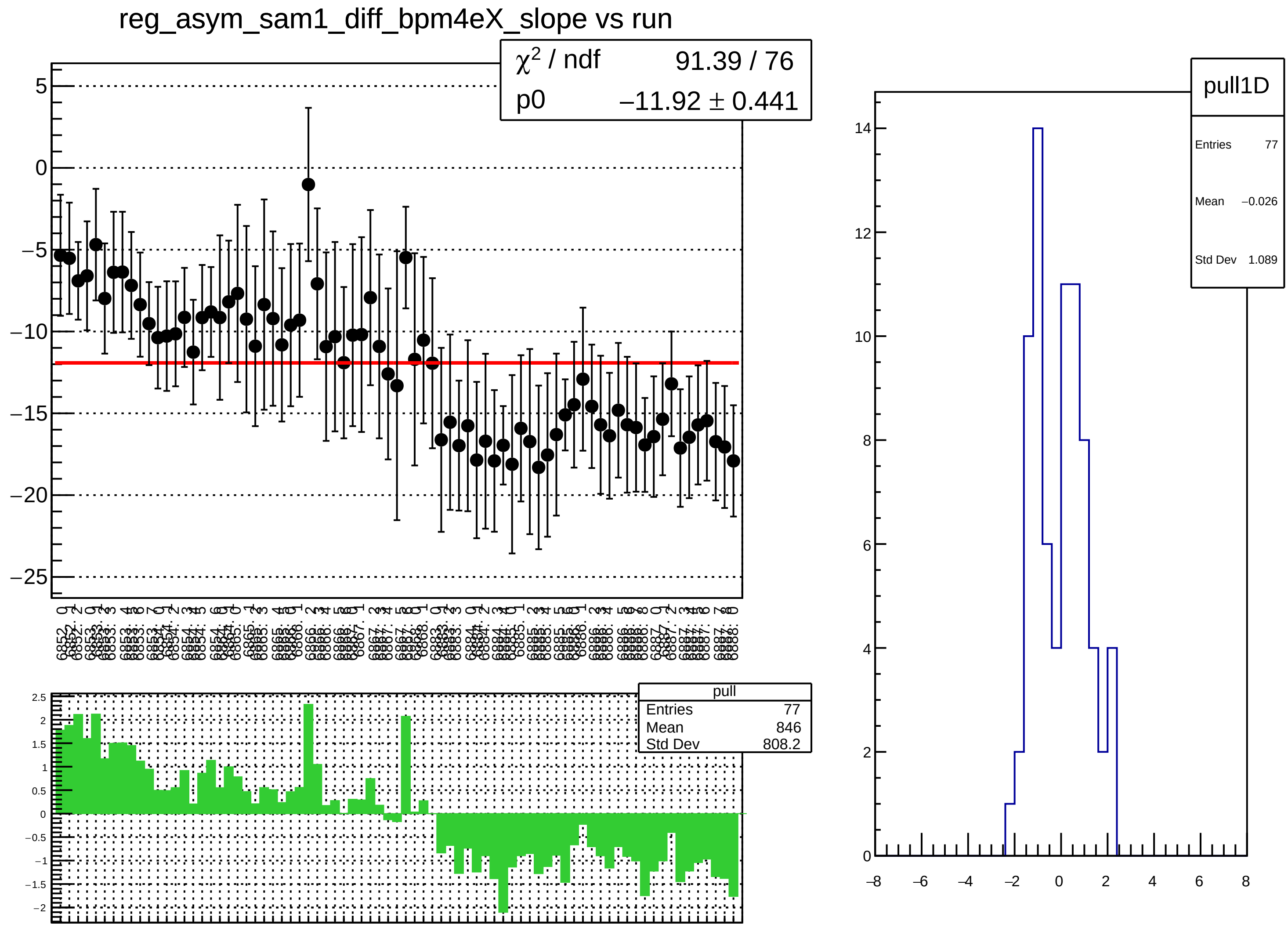
0
2
4
6
8


dit_segment_slope vs run
$\chi^2$ / ndf 5.739e−26 / 76
p0 1.462 ± 0.01576
pull
Entries 77
Mean 38.5
Std Dev 22.23
pull1D
Entries 77
Mean 2.73e−14
Std Dev 1.08e−21

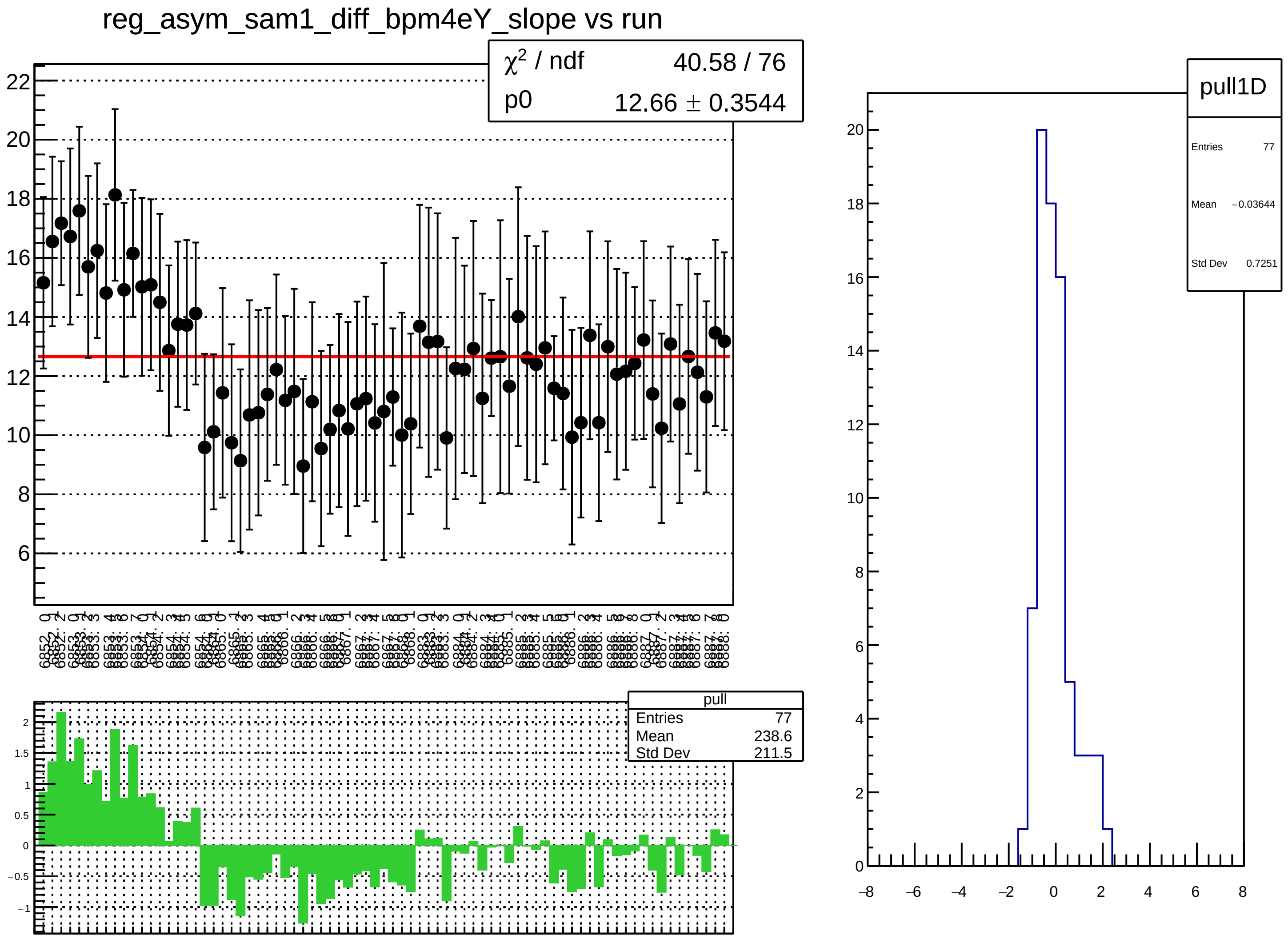

reg_asym_sam1_diff_bpm1X_slope vs run
$\chi^2$ / ndf 100.2 / 76
p0 −2.118 ± 0.4617
pull
Entries 77
Mean 1562
Std Dev 1524
pull1D
Entries 77
Mean 0.01453
Std Dev 1.141

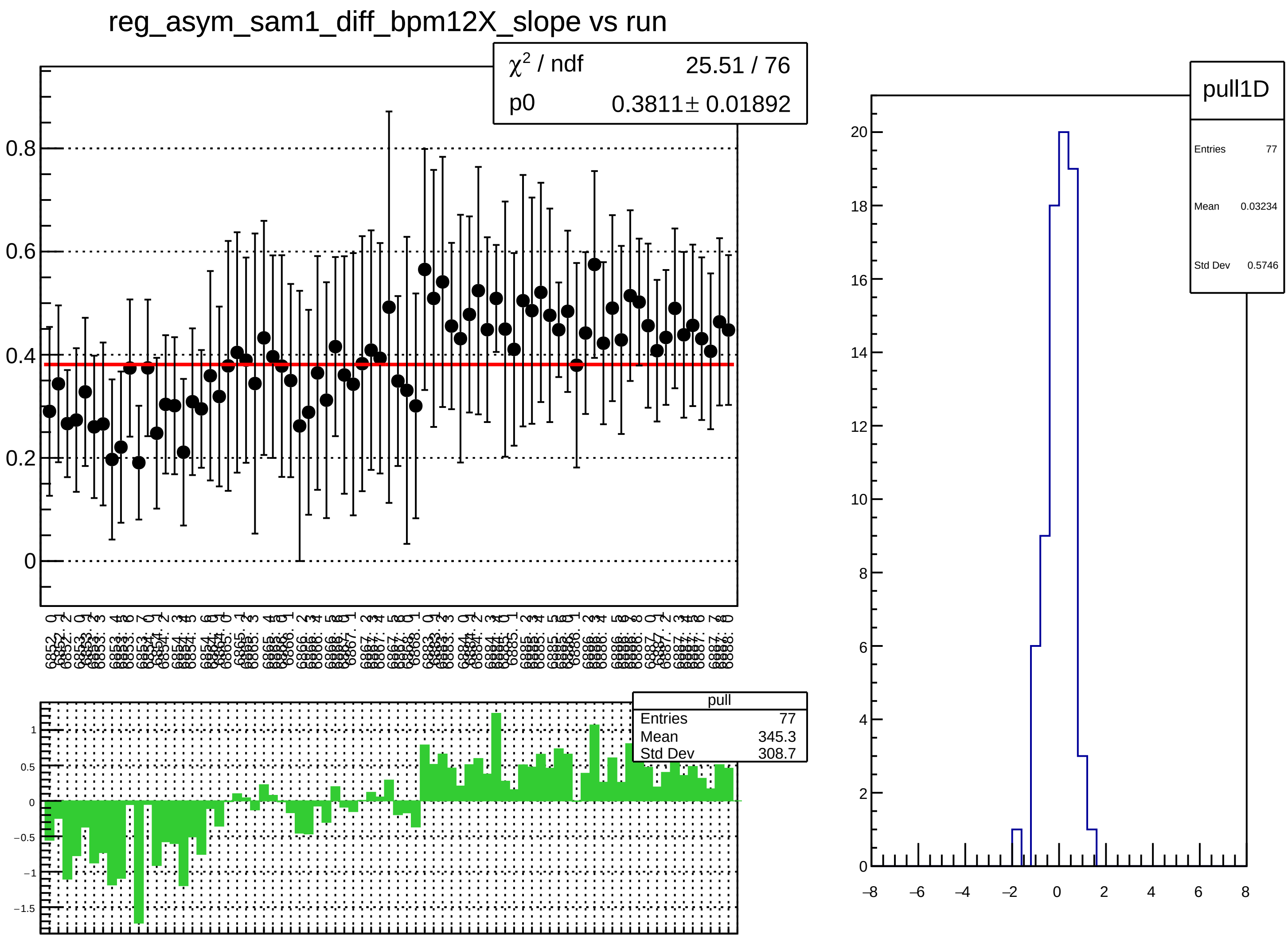


reg_asym_sam1_diff_bpm4aY_slope vs run
χ2 / ndf 42.39 / 76
p0 −53.43 ± 0.2789
pull
Entries 77
Mean 1.093e+04
Std Dev 1.091e+04
pull1D
Entries 77
Mean 0.0006175
Std Dev 0.7419

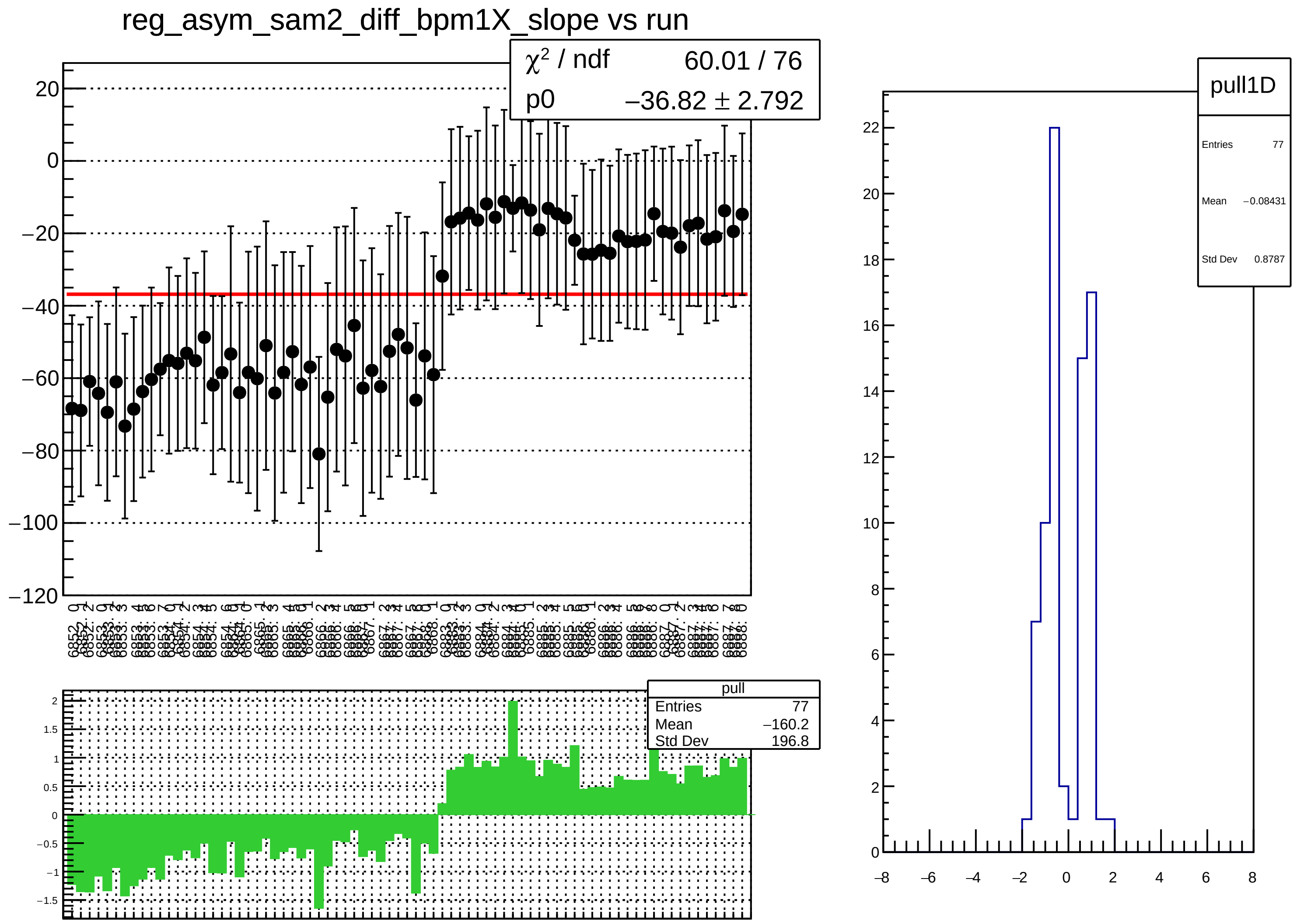


reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 91.39 / 76
p0 −11.92 ± 0.441
pull
Entries 77
Mean 846
Std Dev 808.2
pull1D
Entries 77
Mean −0.026
Std Dev 1.089

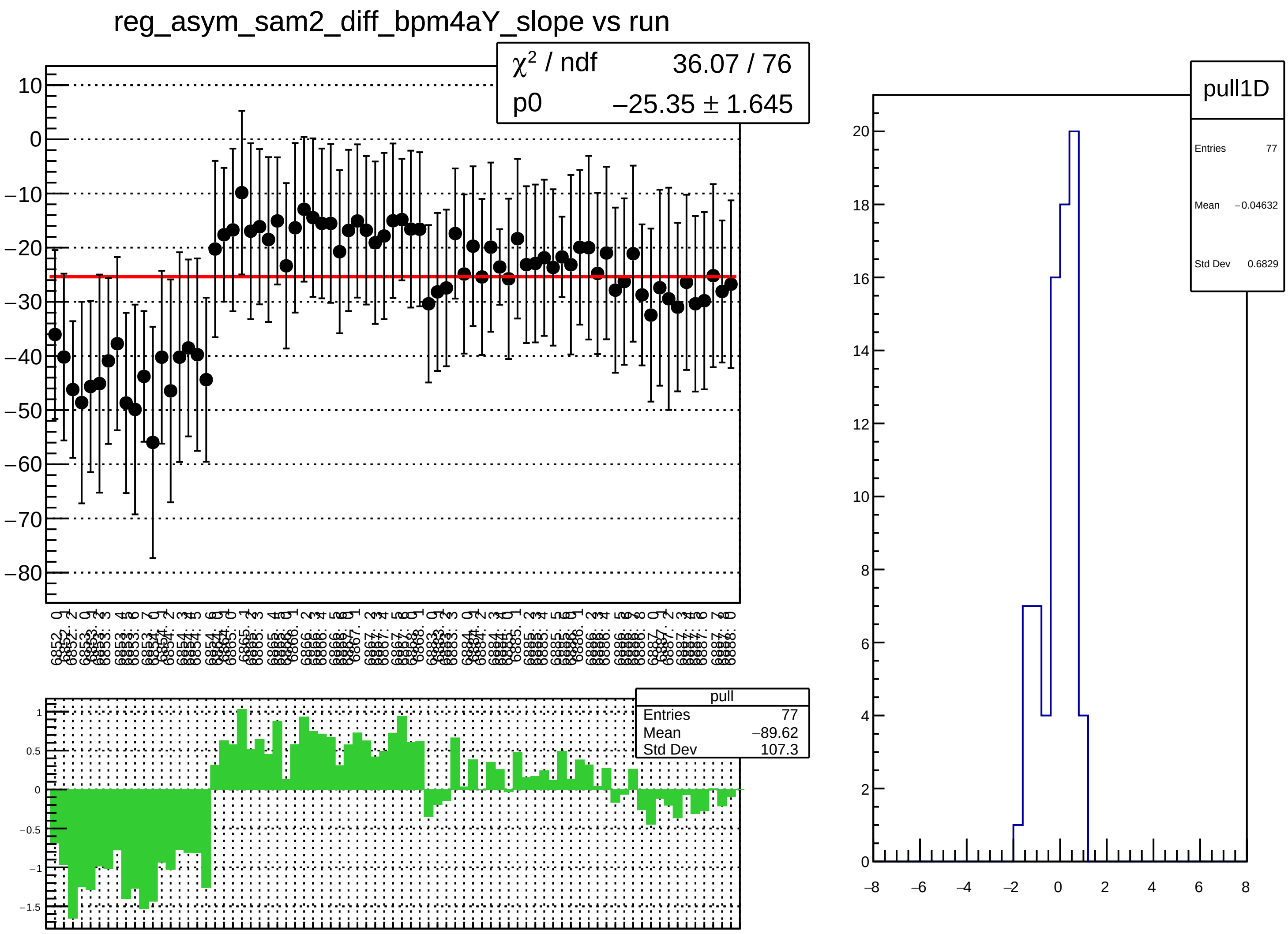

reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 40.58 / 76
p0 12.66 ± 0.3544
pull
Entries 77
Mean 238.6
Std Dev 211.5
pull1D
Entries 77
Mean −0.03644
Std Dev 0.7251



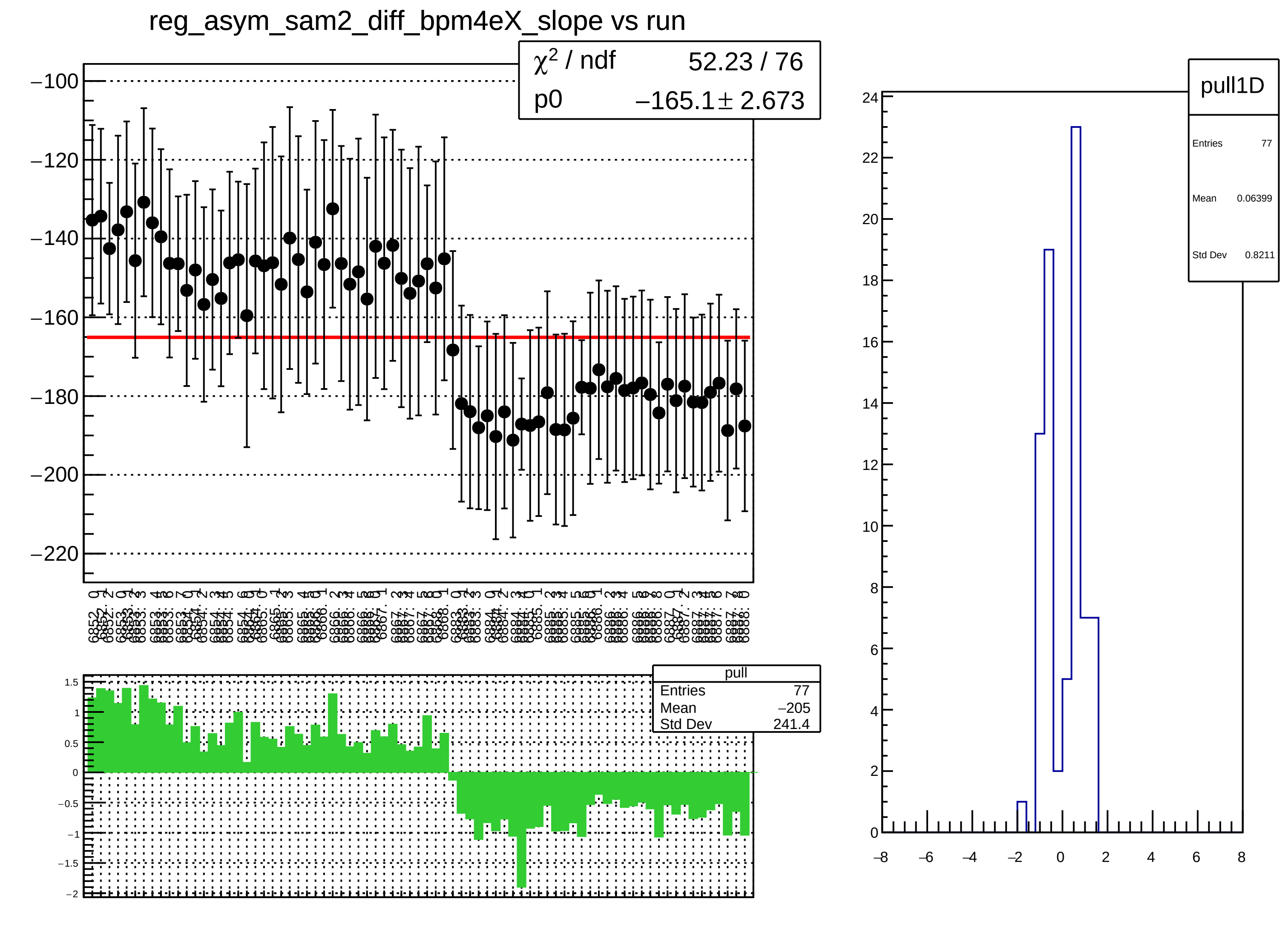
reg_asym_sam1_diff_bpm12X_slope vs run
χ2 / ndf 25.51 / 76
p0 0.3811± 0.01892
pull
Entries 77
Mean 345.3
Std Dev 308.7
pull1D
Entries 77
Mean 0.03234
Std Dev 0.5746



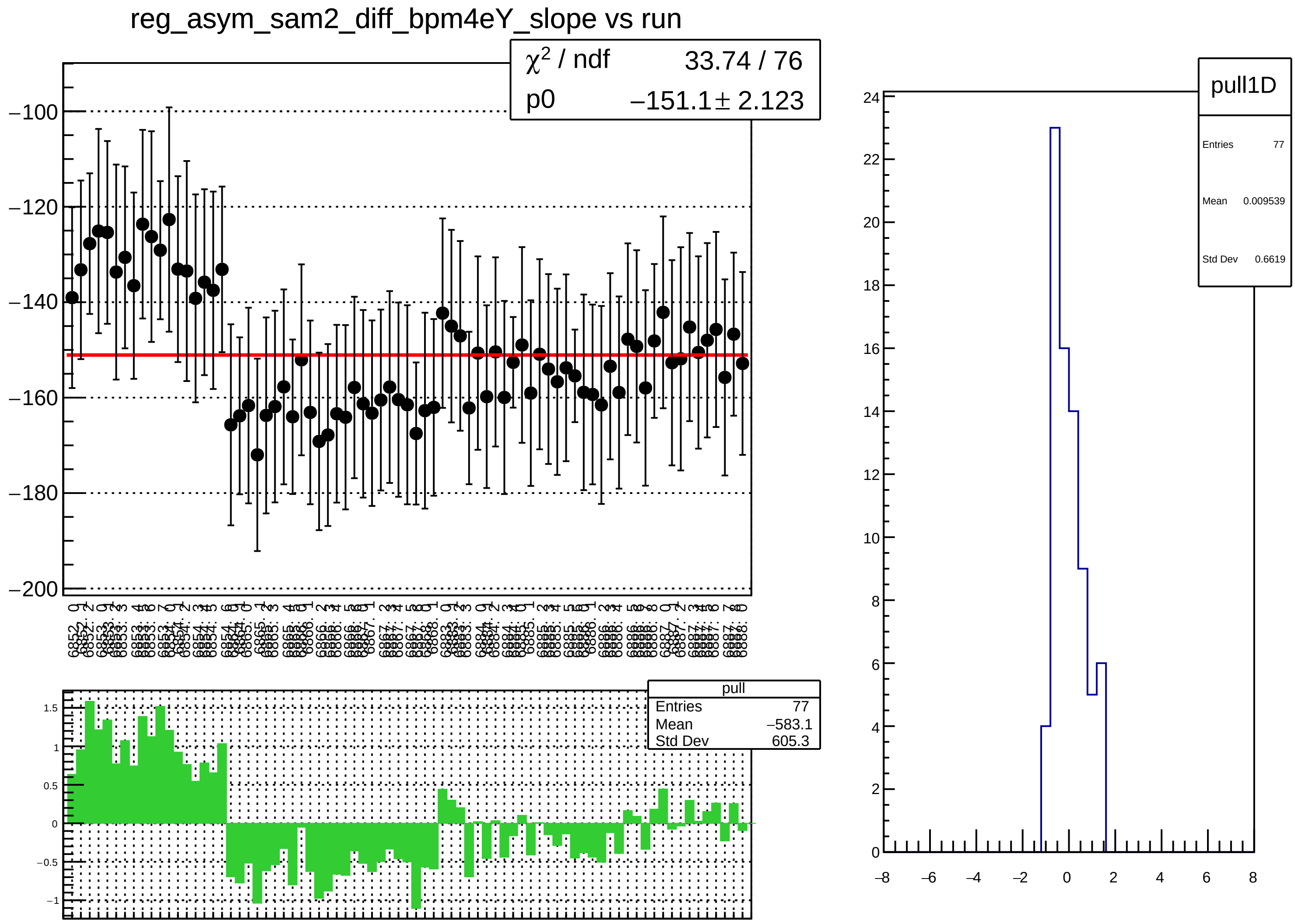
reg_asym_sam2_diff_bpm1X_slope vs run
$\chi^2$ / ndf 60.01 / 76
p0 −36.82 ± 2.792
pull
Entries 77
Mean −160.2
Std Dev 196.8
pull1D
Entries 77
Mean −0.08431
Std Dev 0.8787



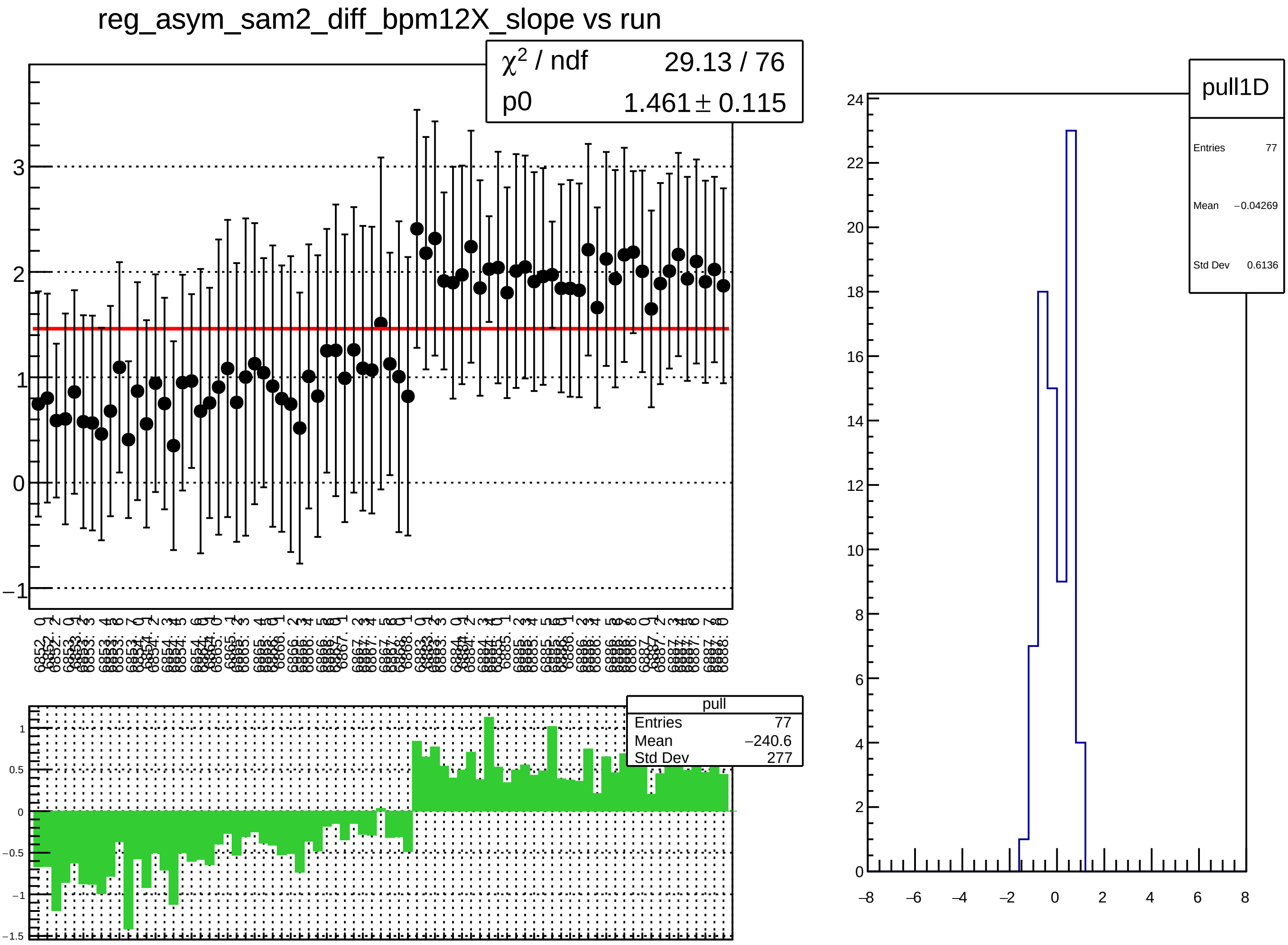
reg_asym_sam2_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 36.07 / 76
p0 −25.35 ± 1.645
pull
Entries 77
Mean −89.62
Std Dev 107.3
pull1D
Entries 77
Mean −0.04632
Std Dev 0.6829

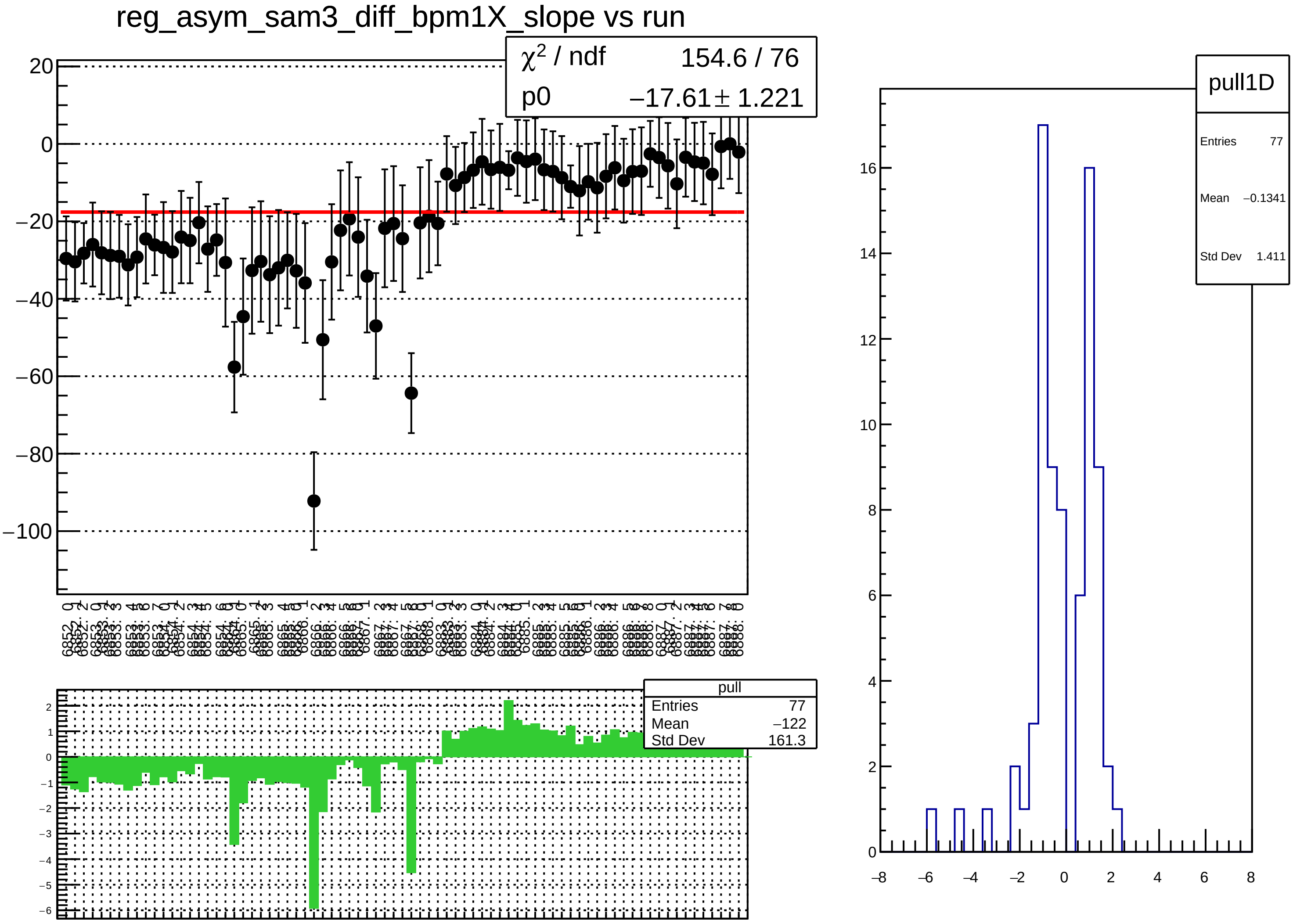


reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 52.23 / 76
p0 −165.1 ± 2.673
pull
Entries 77
Mean −205
Std Dev 241.4
pull1D
Entries 77
Mean 0.06399
Std Dev 0.8211

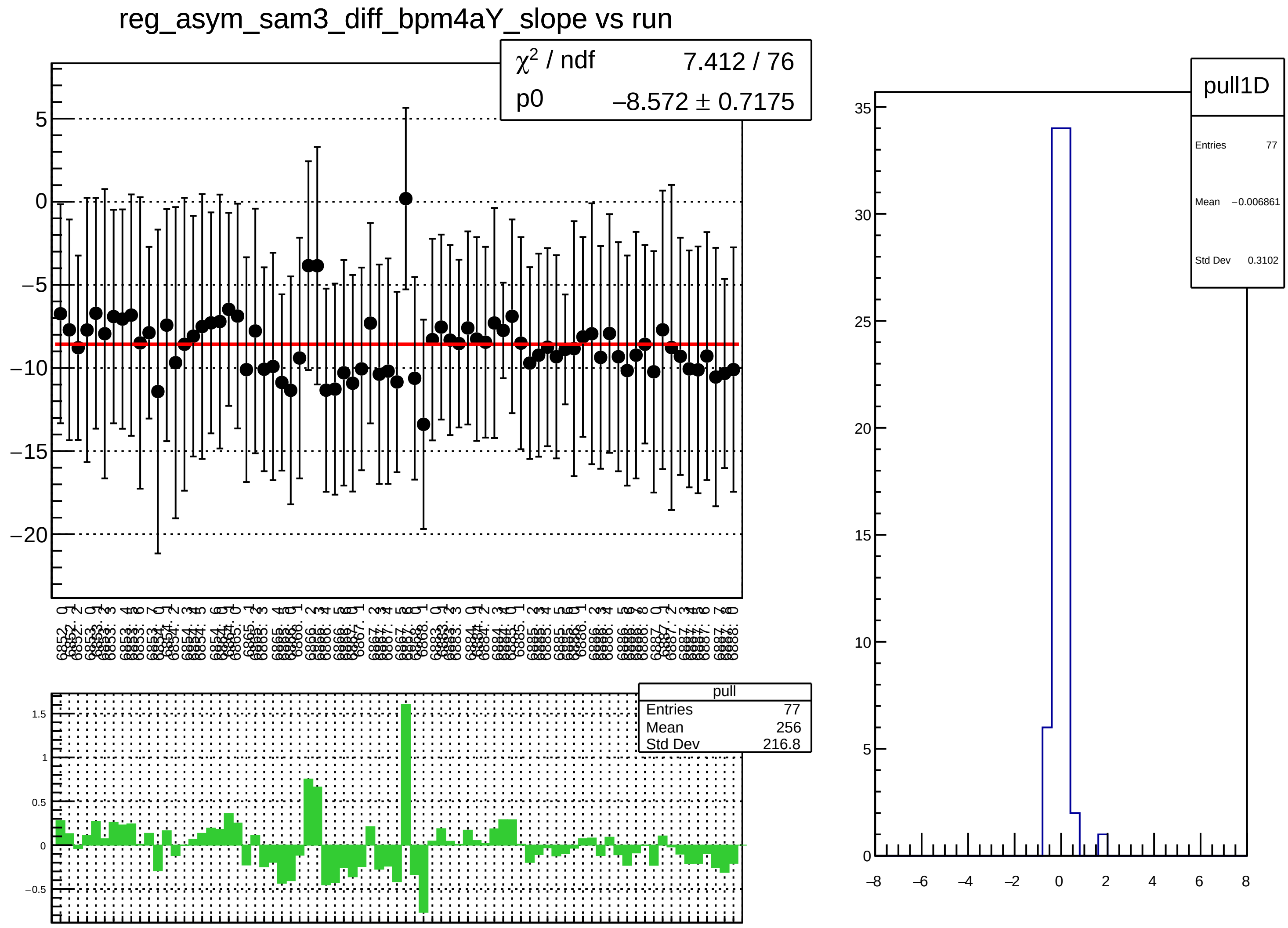


reg_asym_sam2_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 33.74 / 76
p0 −151.1 ± 2.123
pull
Entries 77
Mean −583.1
Std Dev 605.3
pull1D
Entries 77
Mean 0.009539
Std Dev 0.6619

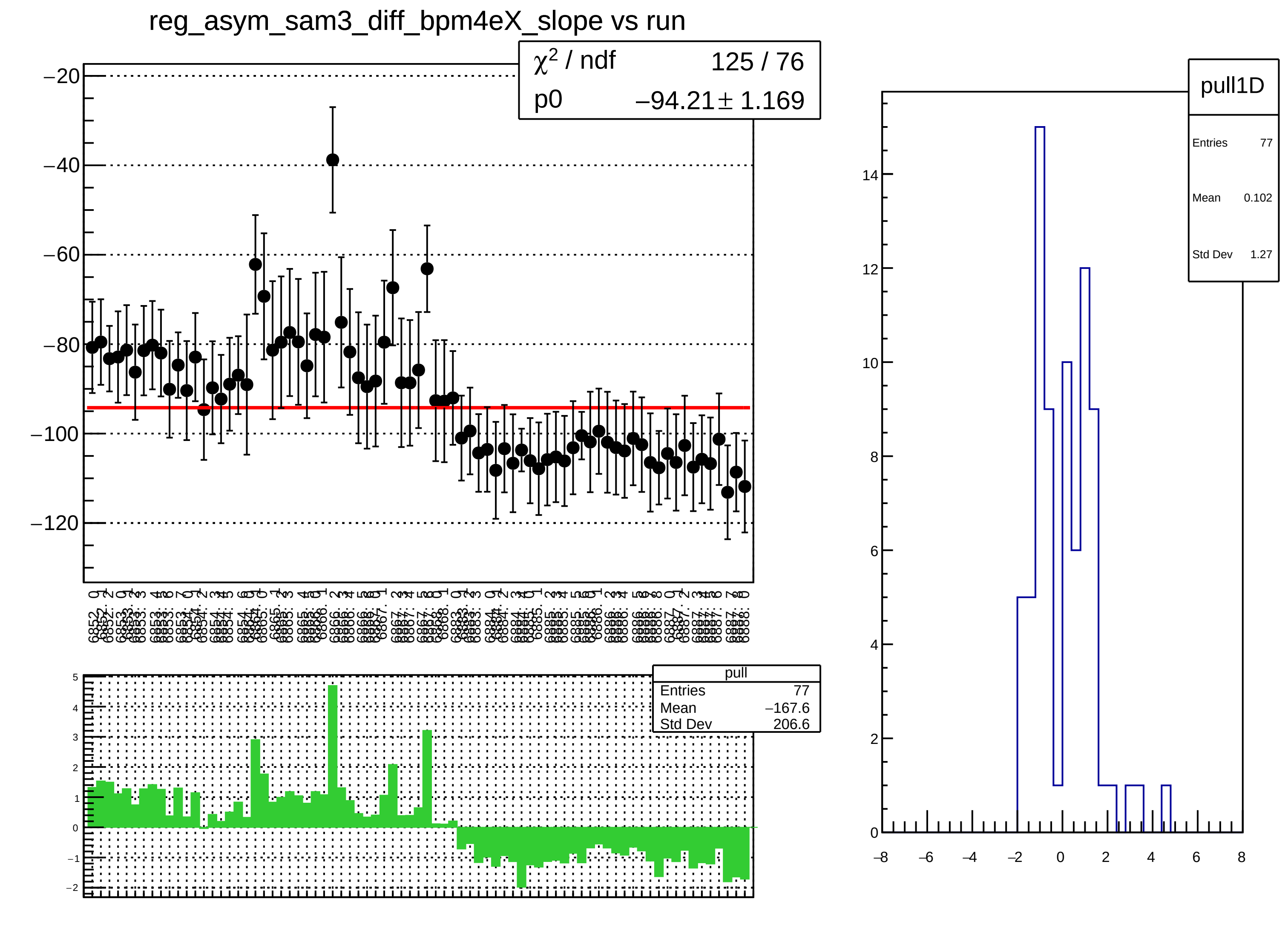

reg_asym_sam2_diff_bpm12X_slope vs run
χ2 / ndf 29.13 / 76
p0 1.461 ± 0.115
pull
Entries 77
Mean −240.6
Std Dev 277
pull1D
Entries 77
Mean −0.04269
Std Dev 0.6136



reg_asym_sam3_diff_bpm1X_slope vs run
$\chi^2$ / ndf 154.6 / 76
p0 −17.61 ± 1.221
pull
Entries 77
Mean −122
Std Dev 161.3
pull1D
Entries 77
Mean −0.1341
Std Dev 1.411

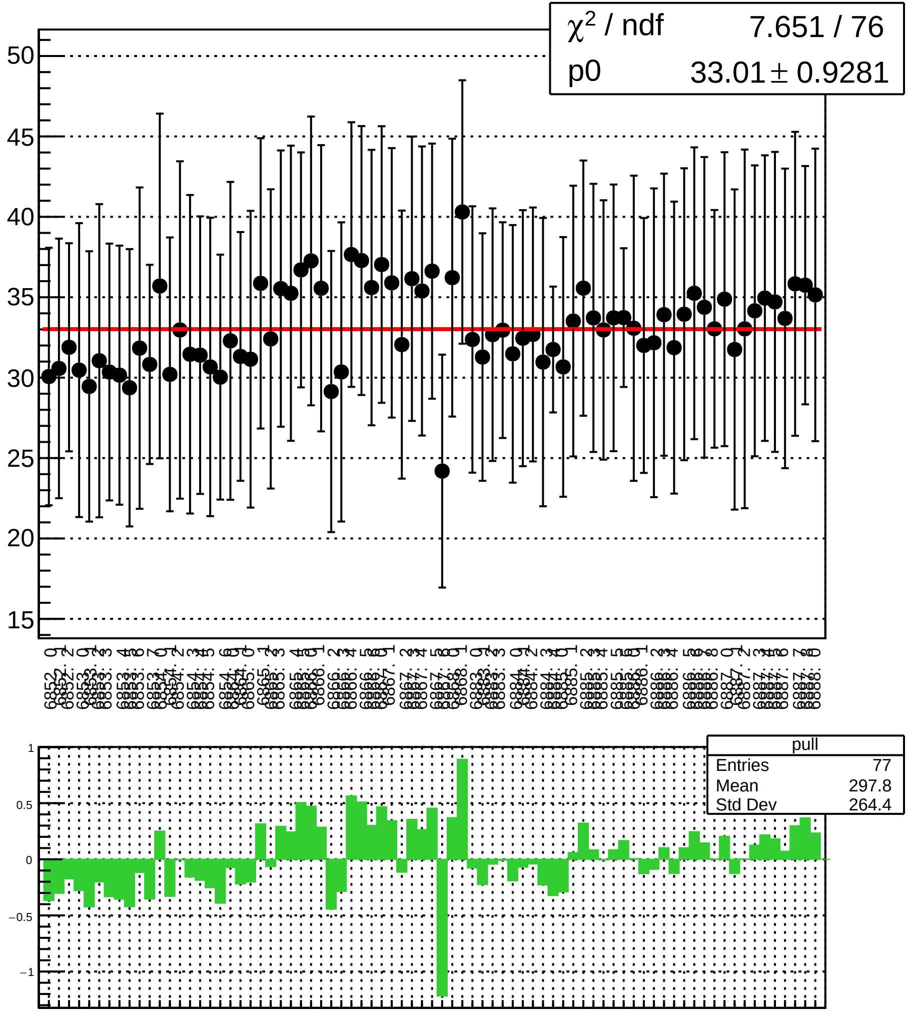


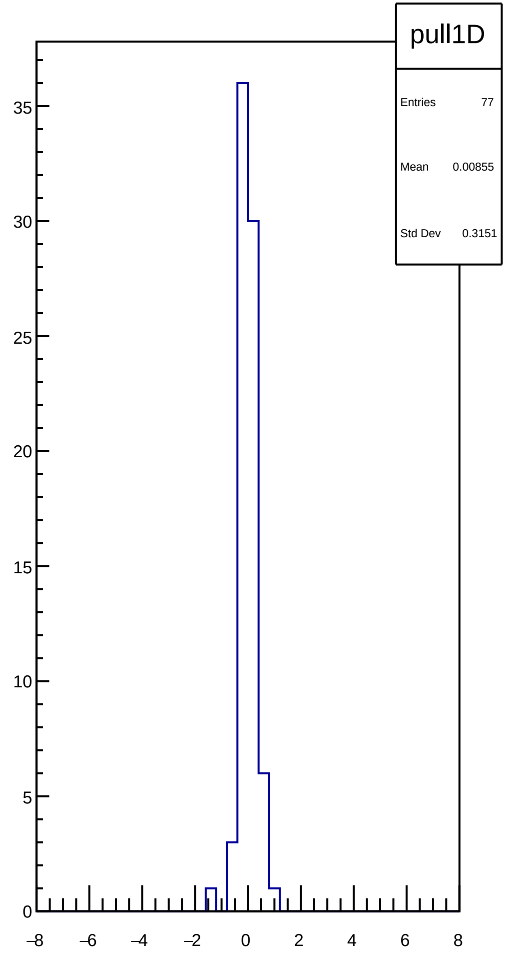
reg_asym_sam3_diff_bpm4aY_slope vs run
χ2 / ndf 7.412 / 76
p0 −8.572 ± 0.7175
pull
Entries 77
Mean 256
Std Dev 216.8
pull1D
Entries 77
Mean −0.006861
Std Dev 0.3102

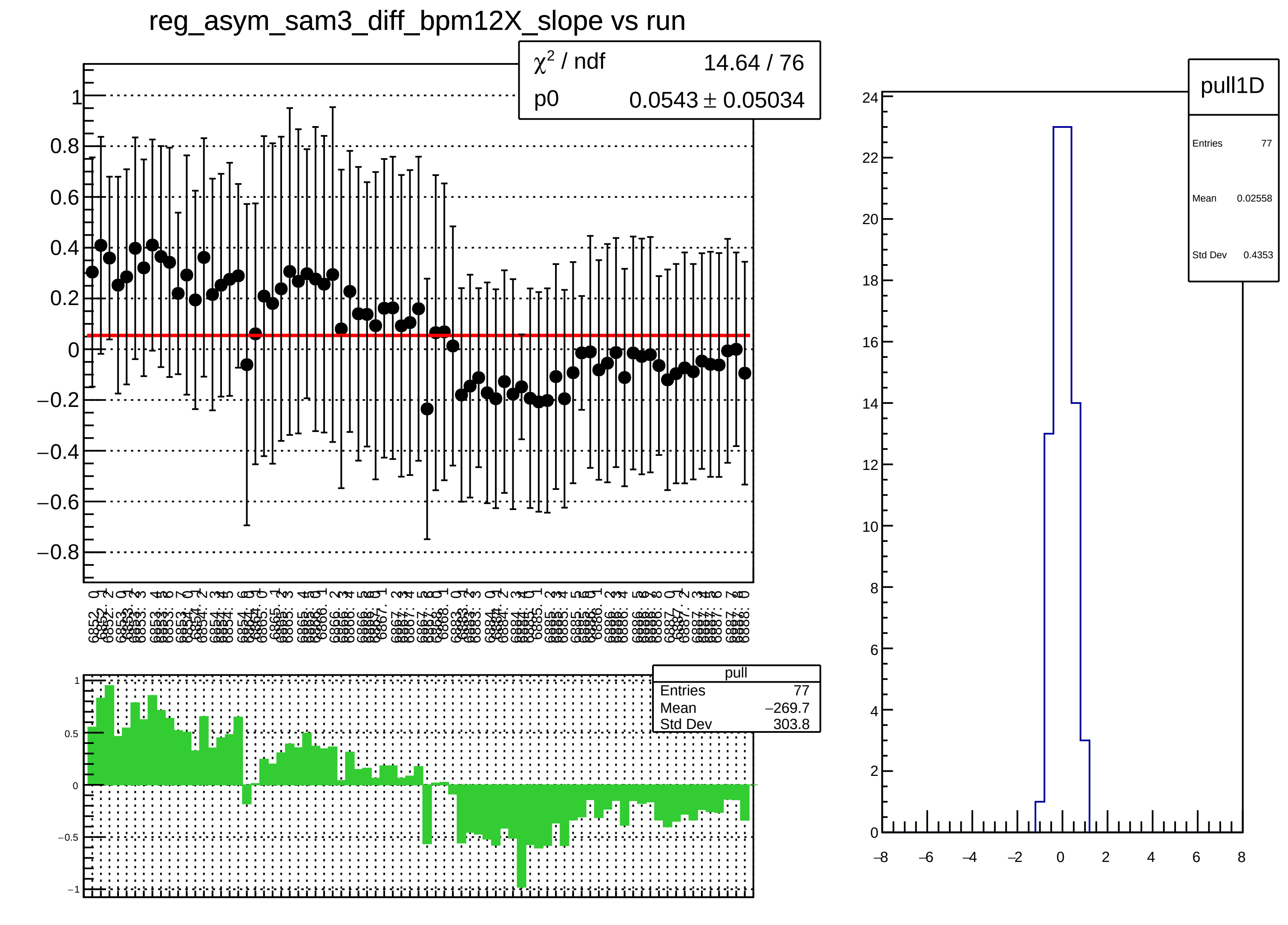


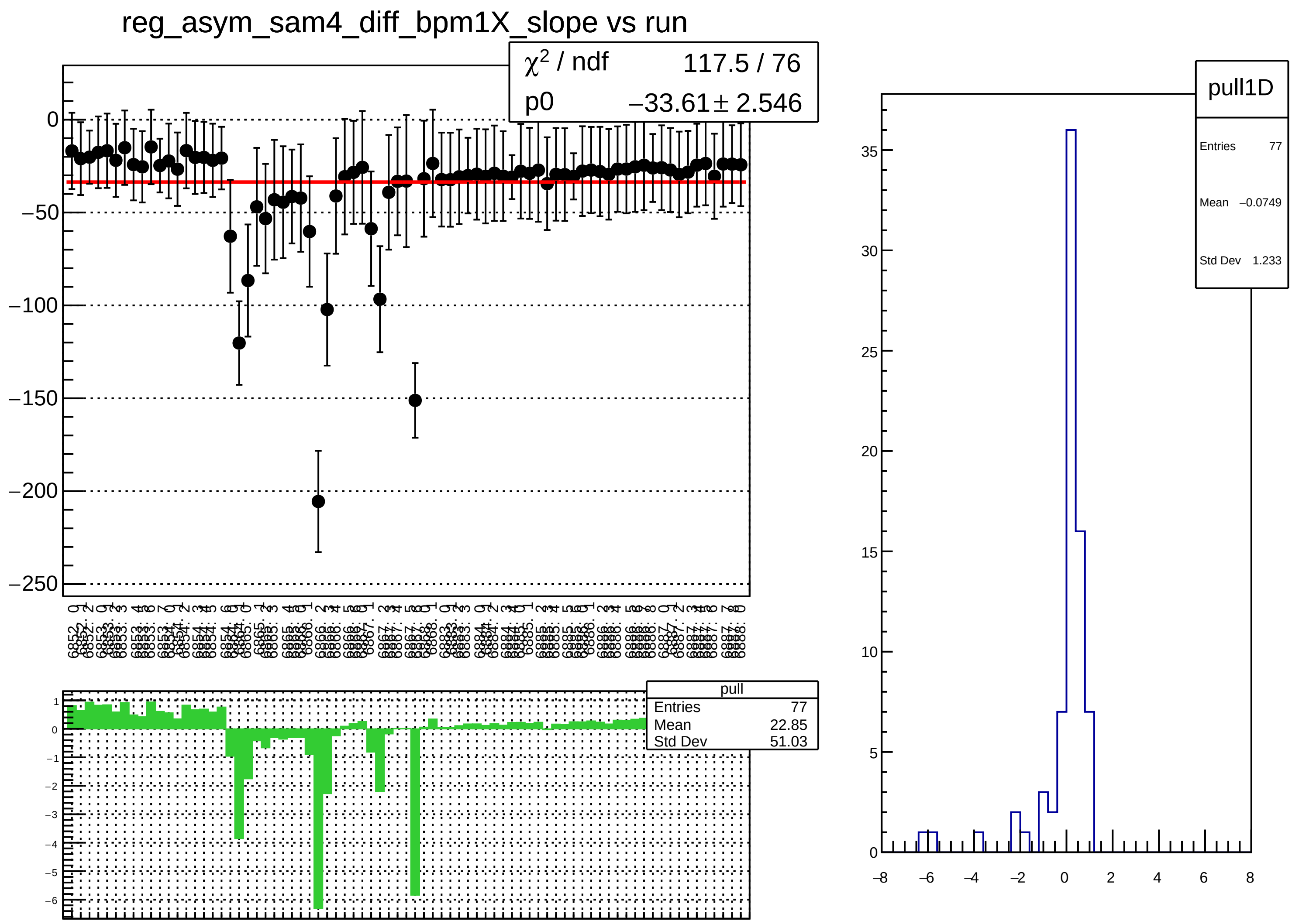
reg_asym_sam3_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 125 / 76
p0 −94.21 ± 1.169
pull
Entries 77
Mean −167.6
Std Dev 206.6
pull1D
Entries 77
Mean 0.102
Std Dev 1.27

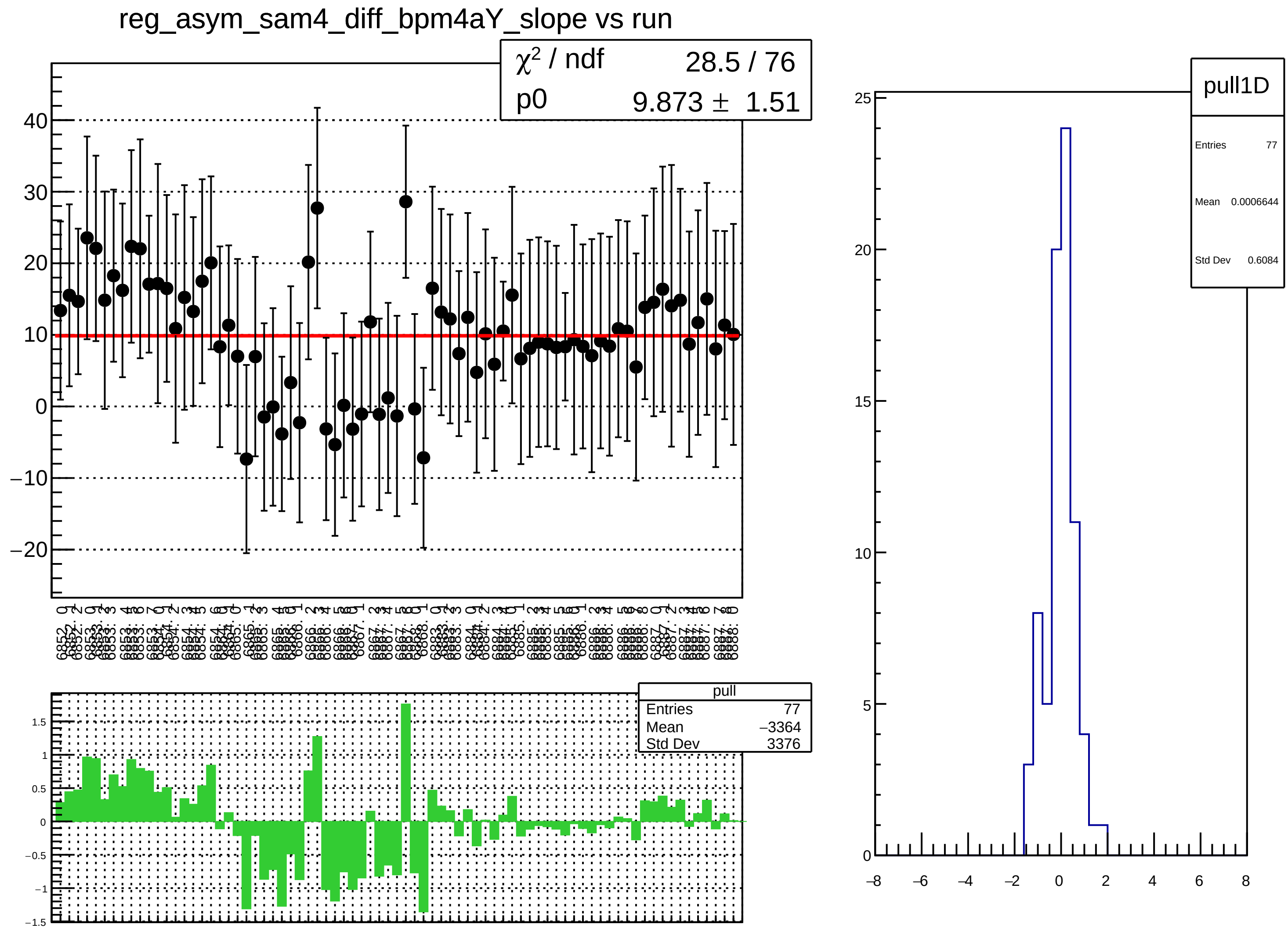
reg_asym_sam3_diff_bpm4eY_slope vs run



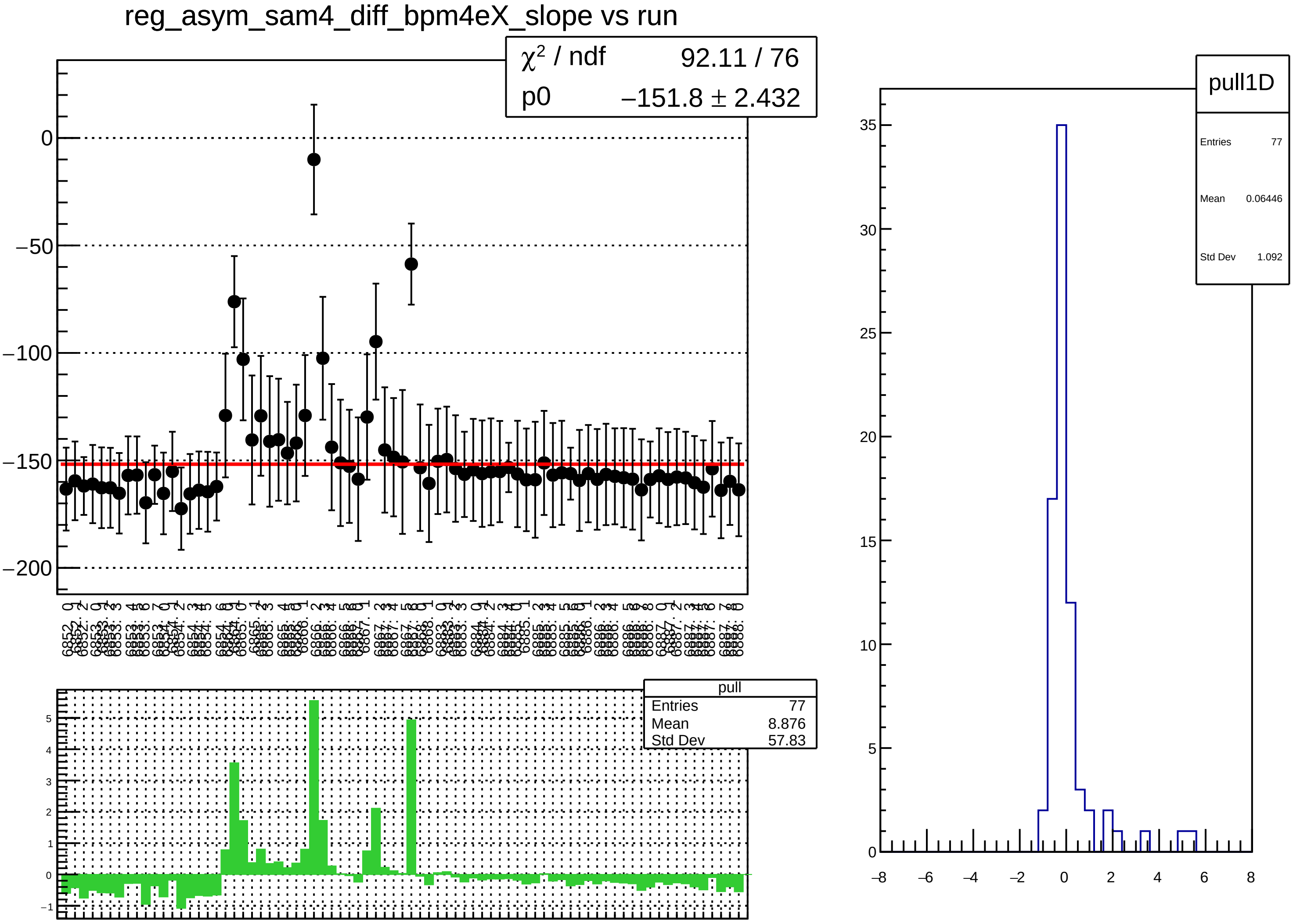




reg_asym_sam3_diff_bpm12X_slope vs run
$\chi^2$ / ndf 14.64 / 76
p0 0.0543 ± 0.05034
pull
Entries 77
Mean −269.7
Std Dev 303.8
pull1D
Entries 77
Mean 0.02558
Std Dev 0.4353

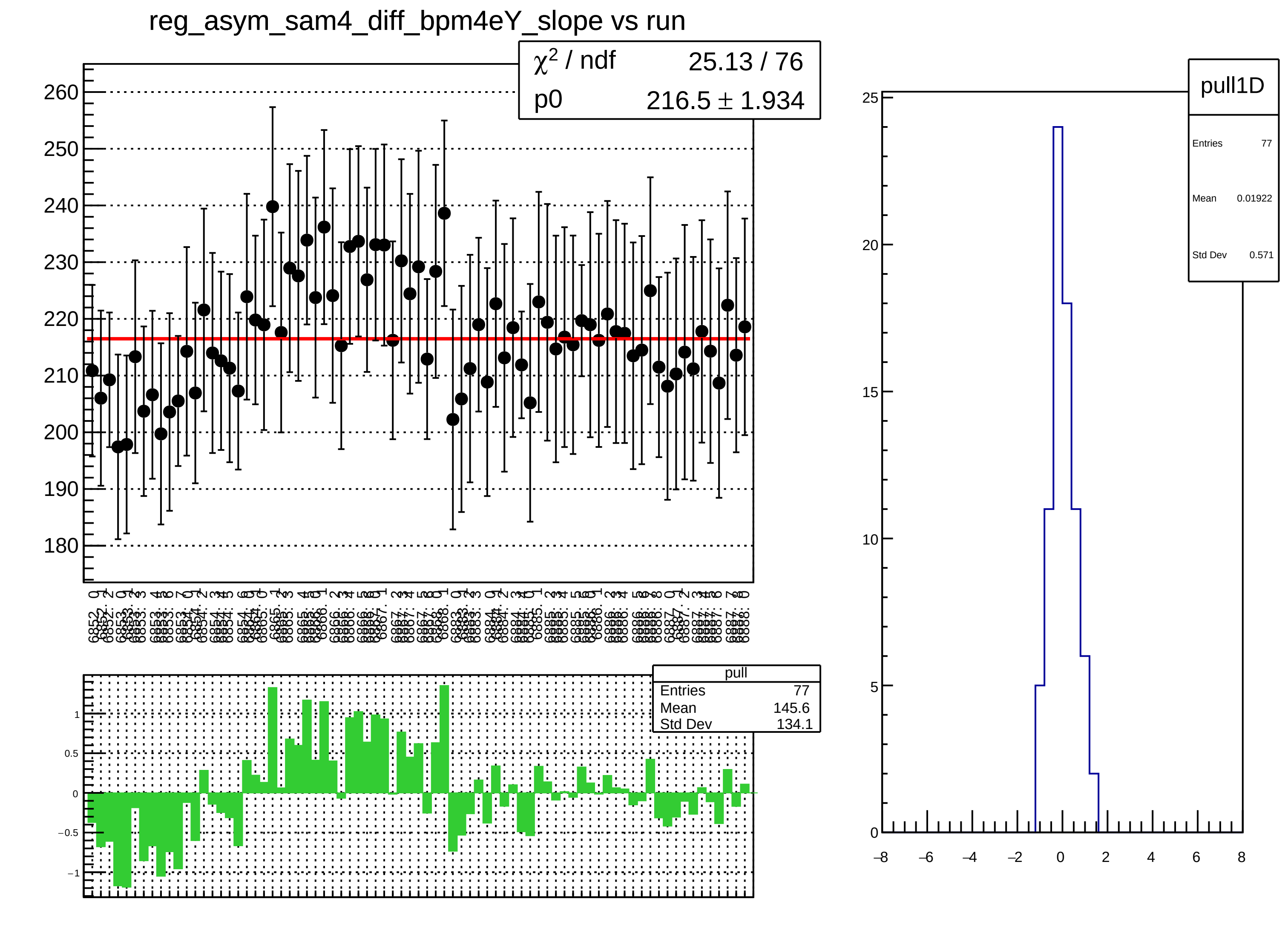

reg_asym_sam4_diff_bpm1X_slope vs run
χ2 / ndf 117.5 / 76
p0 −33.61 ± 2.546
pull
Entries 77
Mean 22.85
Std Dev 51.03
pull1D
Entries 77
Mean −0.0749
Std Dev 1.233



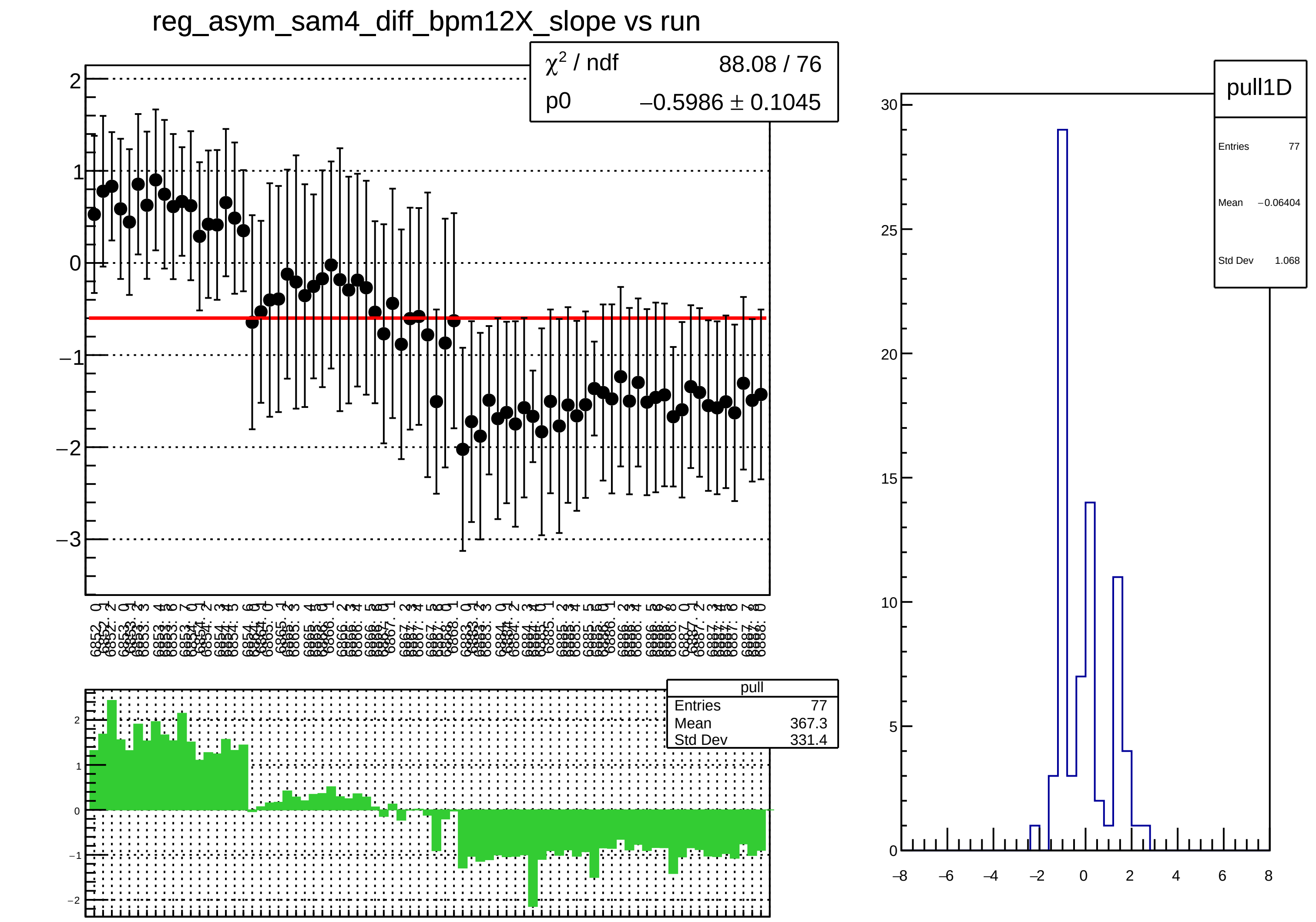
reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 28.5 / 76
p0 9.873 ± 1.51
pull
Entries 77
Mean −3364
Std Dev 3376
pull1D
Entries 77
Mean 0.0006644
Std Dev 0.6084



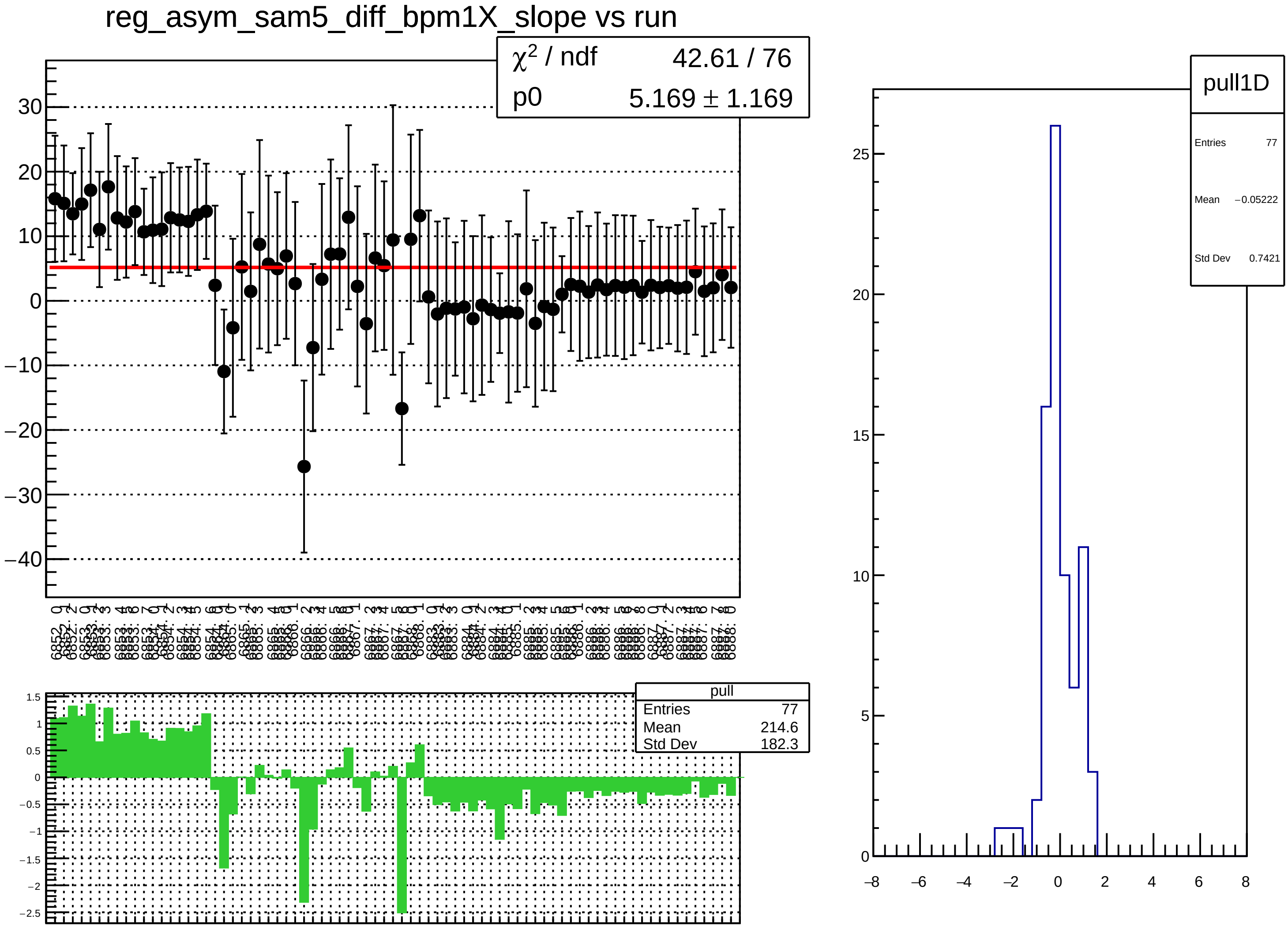
reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 92.11 / 76
p0 −151.8 ± 2.432
pull
Entries 77
Mean 8.876
Std Dev 57.83
pull1D
Entries 77
Mean 0.06446
Std Dev 1.092



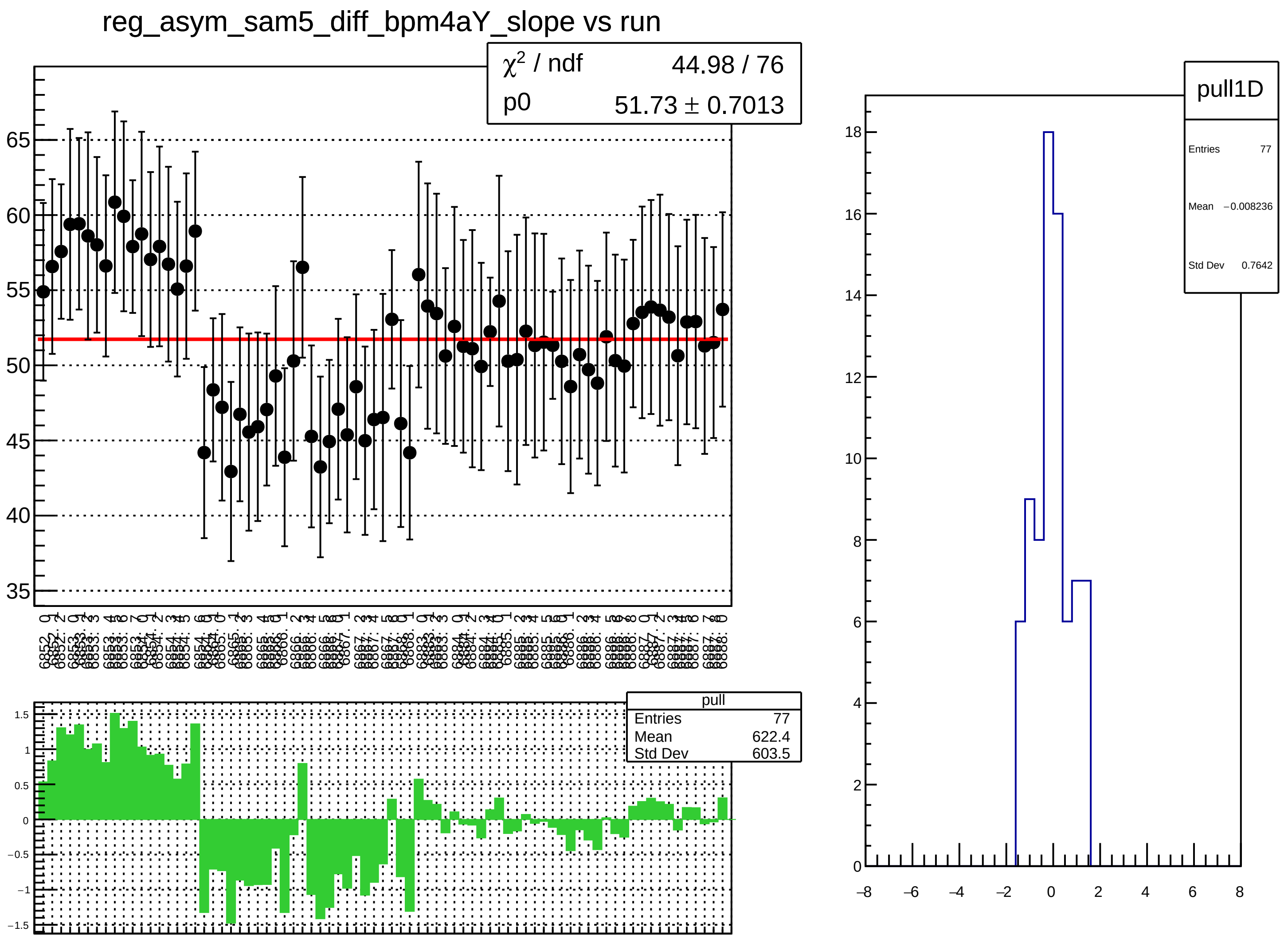
reg_asym_sam4_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 25.13 / 76
p0 216.5 ± 1.934
pull
Entries 77
Mean 145.6
Std Dev 134.1
pull1D
Entries 77
Mean 0.01922
Std Dev 0.571



reg_asym_sam4_diff_bpm12X_slope vs run
χ2 / ndf 88.08 / 76
p0 −0.5986 ± 0.1045
pull
Entries 77
Mean 367.3
Std Dev 331.4
pull1D
Entries 77
Mean −0.06404
Std Dev 1.068

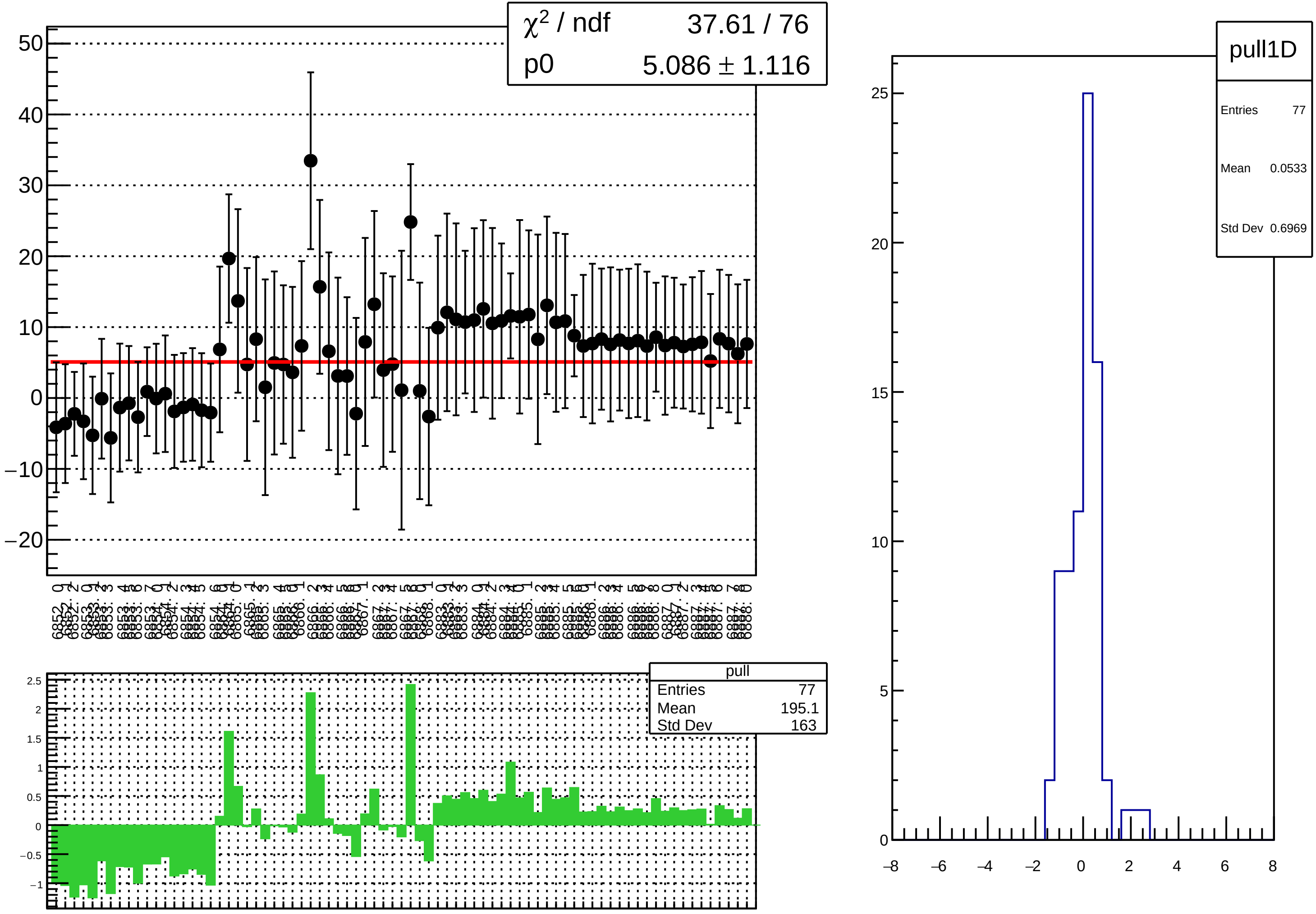


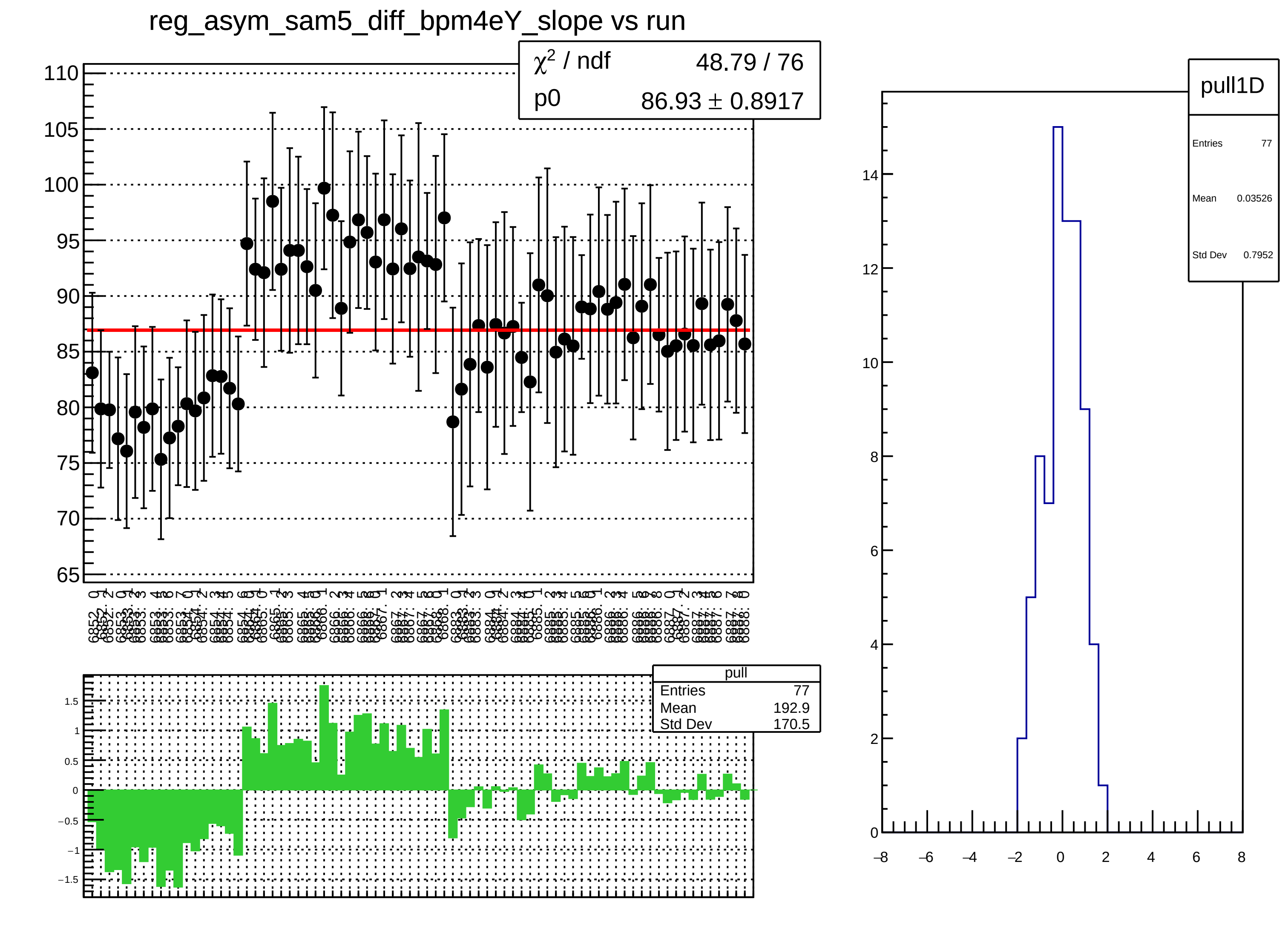
reg_asym_sam5_diff_bpm1X_slope vs run
χ2 / ndf 42.61 / 76
p0 5.169 ± 1.169
pull
Entries 77
Mean 214.6
Std Dev 182.3
pull1D
Entries 77
Mean −0.05222
Std Dev 0.7421



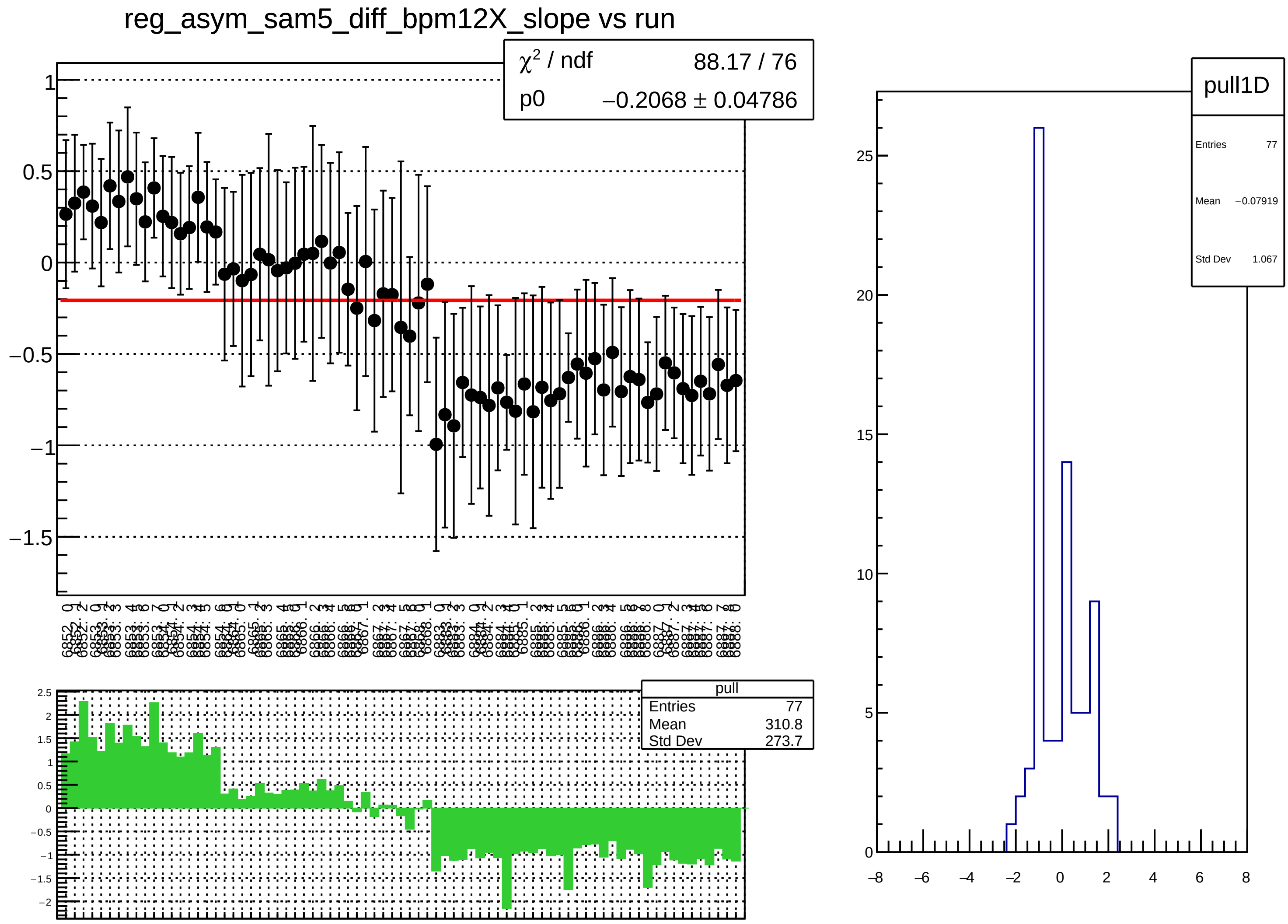
reg_asym_sam5_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 44.98 / 76
p0 51.73 ± 0.7013
pull
Entries 77
Mean 622.4
Std Dev 603.5
pull1D
Entries 77
Mean −0.008236
Std Dev 0.7642

reg_asym_sam5_diff_bpm4eX_slope vs run

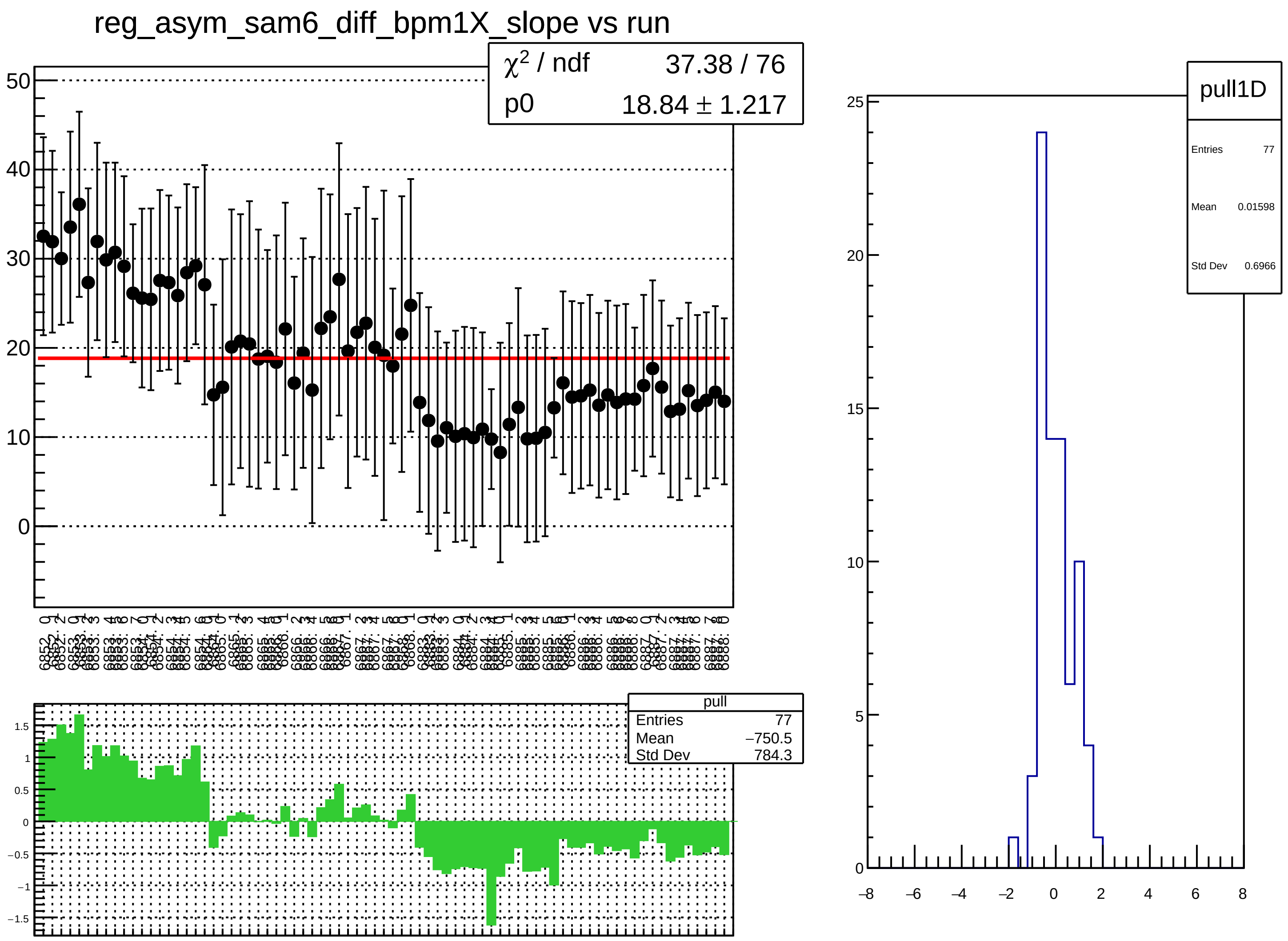




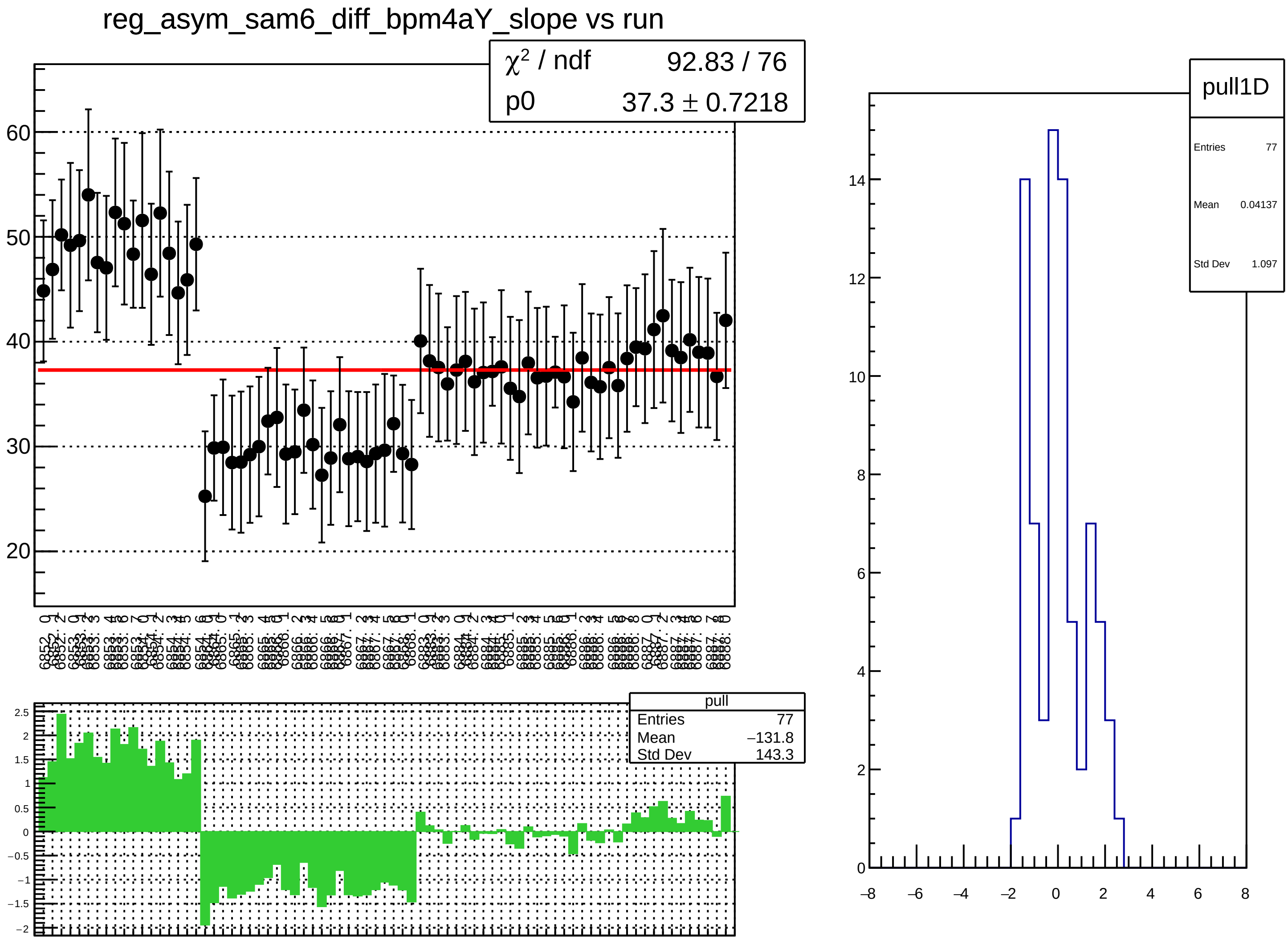
reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 48.79 / 76
p0 86.93 ± 0.8917
pull
Entries 77
Mean 192.9
Std Dev 170.5
pull1D
Entries 77
Mean 0.03526
Std Dev 0.7952



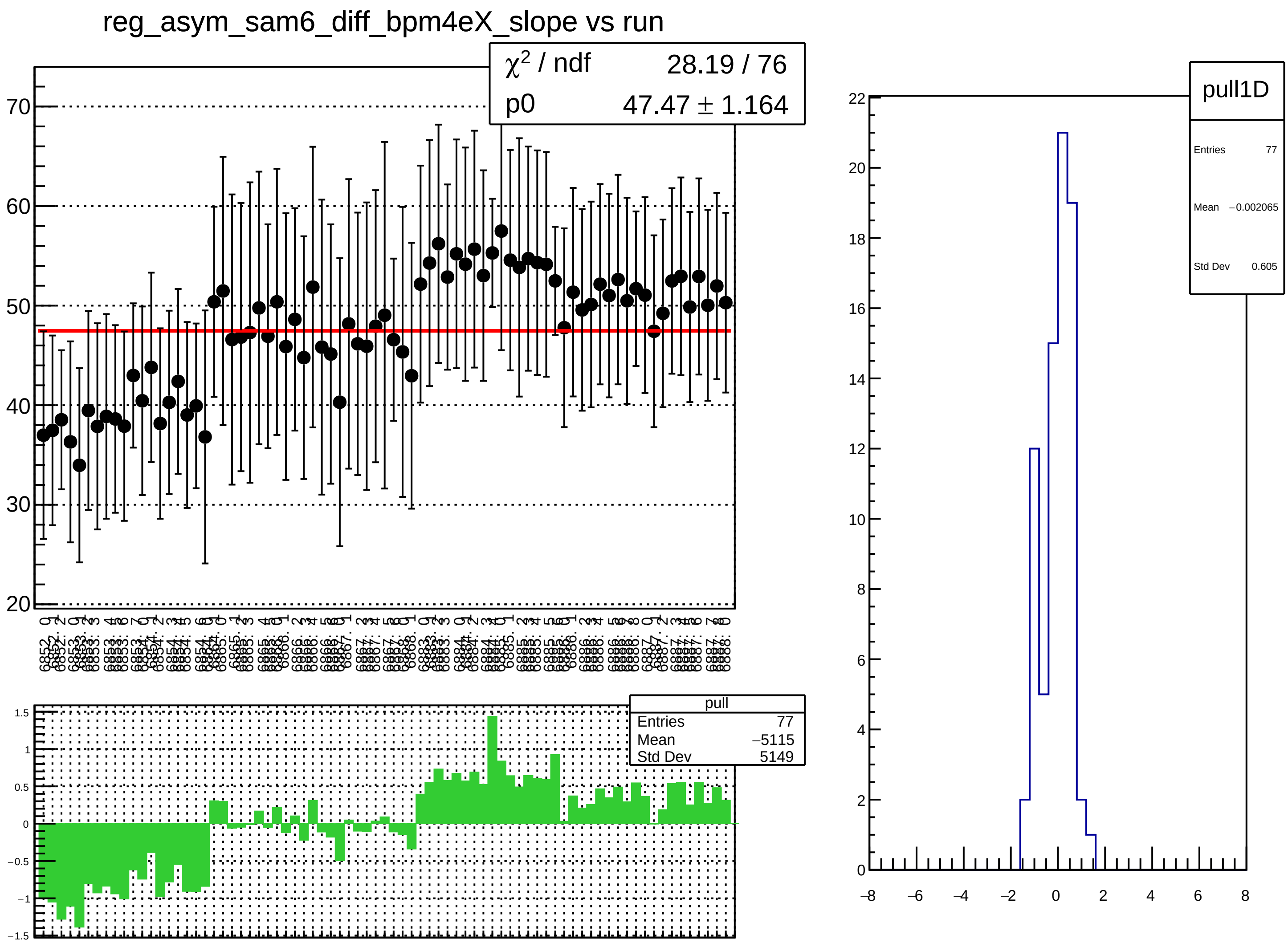
reg_asym_sam5_diff_bpm12X_slope vs run
$\chi^2$ / ndf 88.17 / 76
p0 −0.2068 ± 0.04786
pull
Entries 77
Mean 310.8
Std Dev 273.7
pull1D
Entries 77
Mean −0.07919
Std Dev 1.067



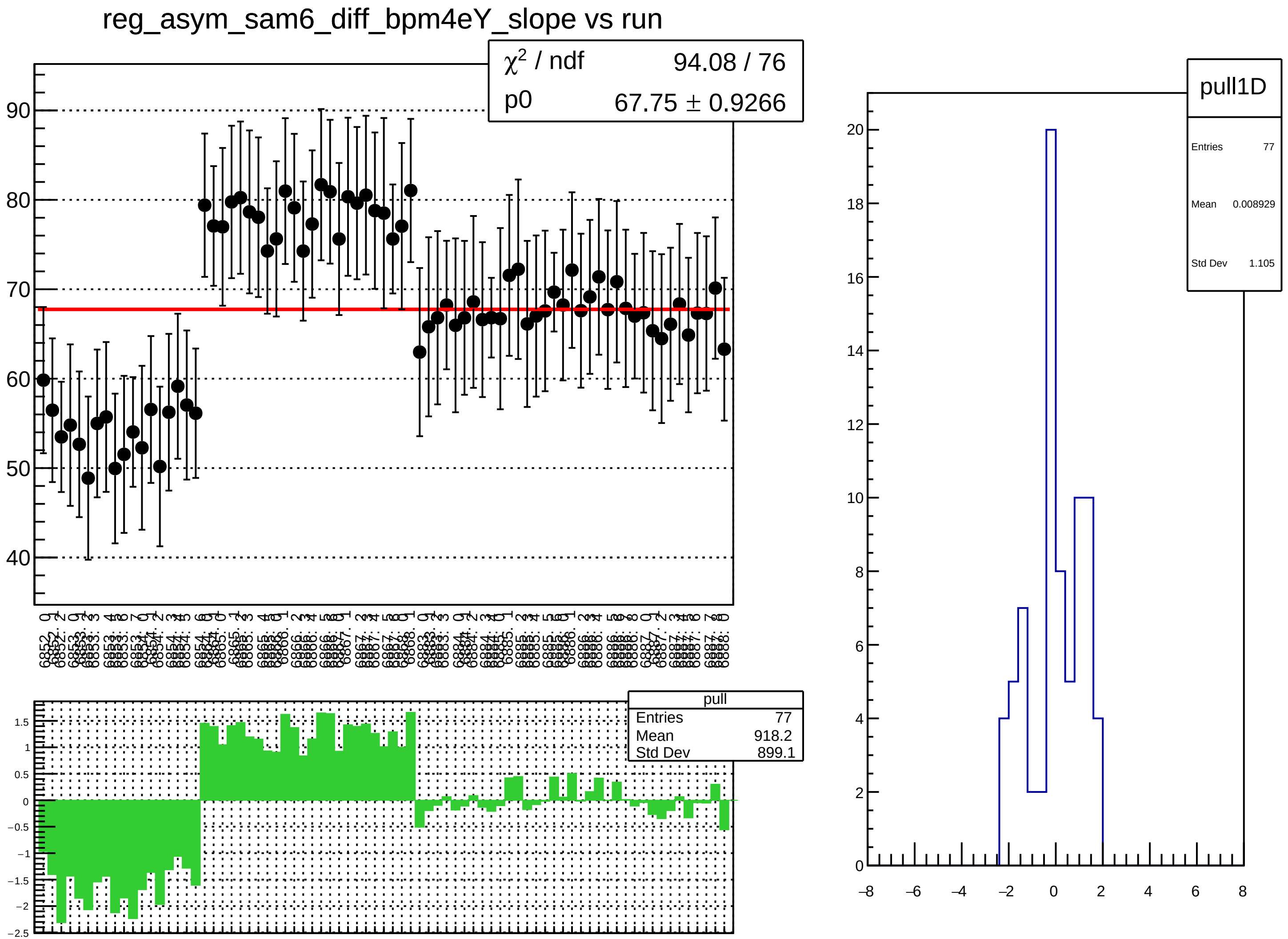
reg_asym_sam6_diff_bpm1X_slope vs run
χ2 / ndf 37.38 / 76
p0 18.84 ± 1.217
pull
Entries 77
Mean −750.5
Std Dev 784.3
pull1D
Entries 77
Mean 0.01598
Std Dev 0.6966



reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 92.83 / 76
p0 37.3 ± 0.7218
pull
Entries 77
Mean −131.8
Std Dev 143.3
pull1D
Entries 77
Mean 0.04137
Std Dev 1.097

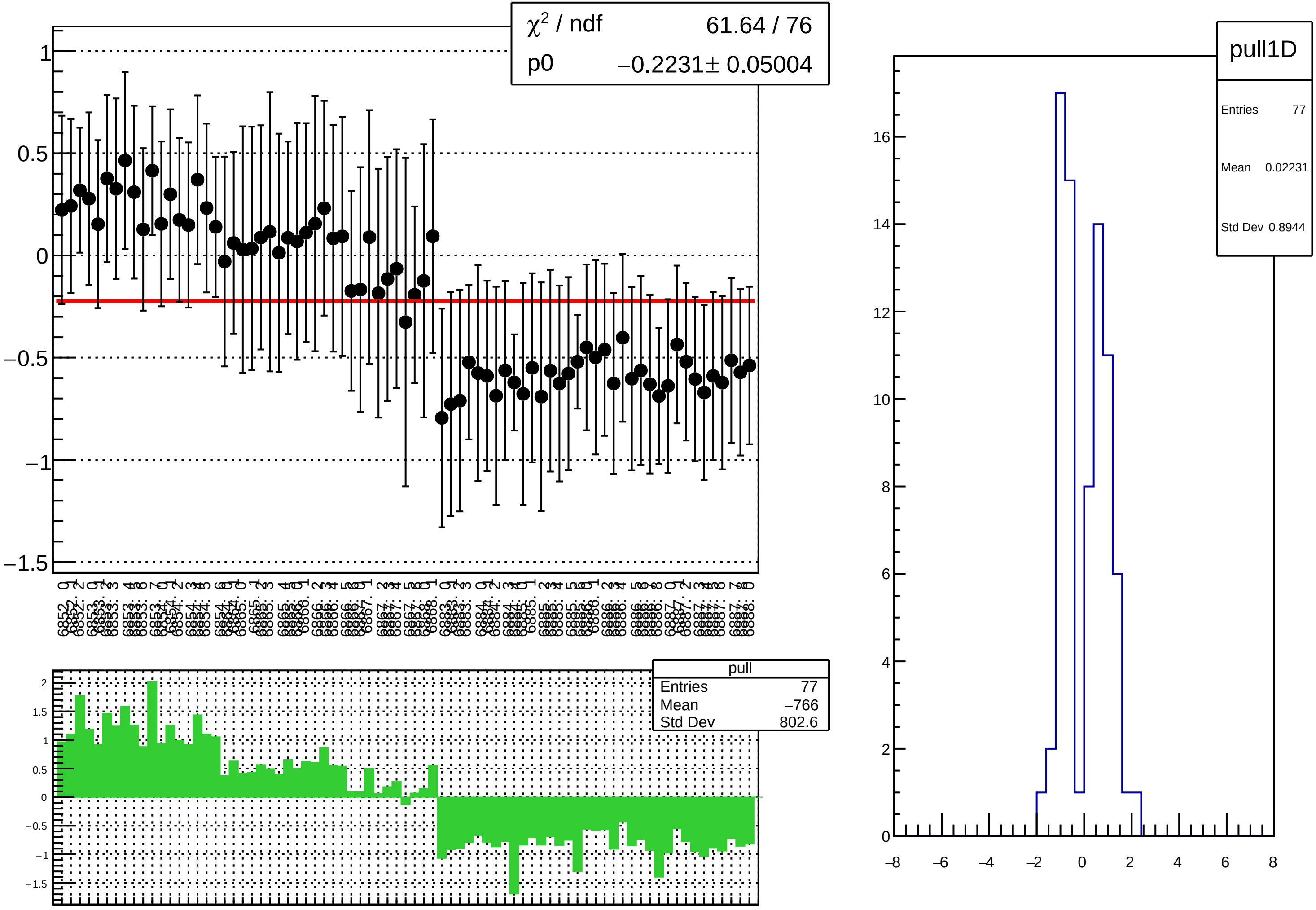


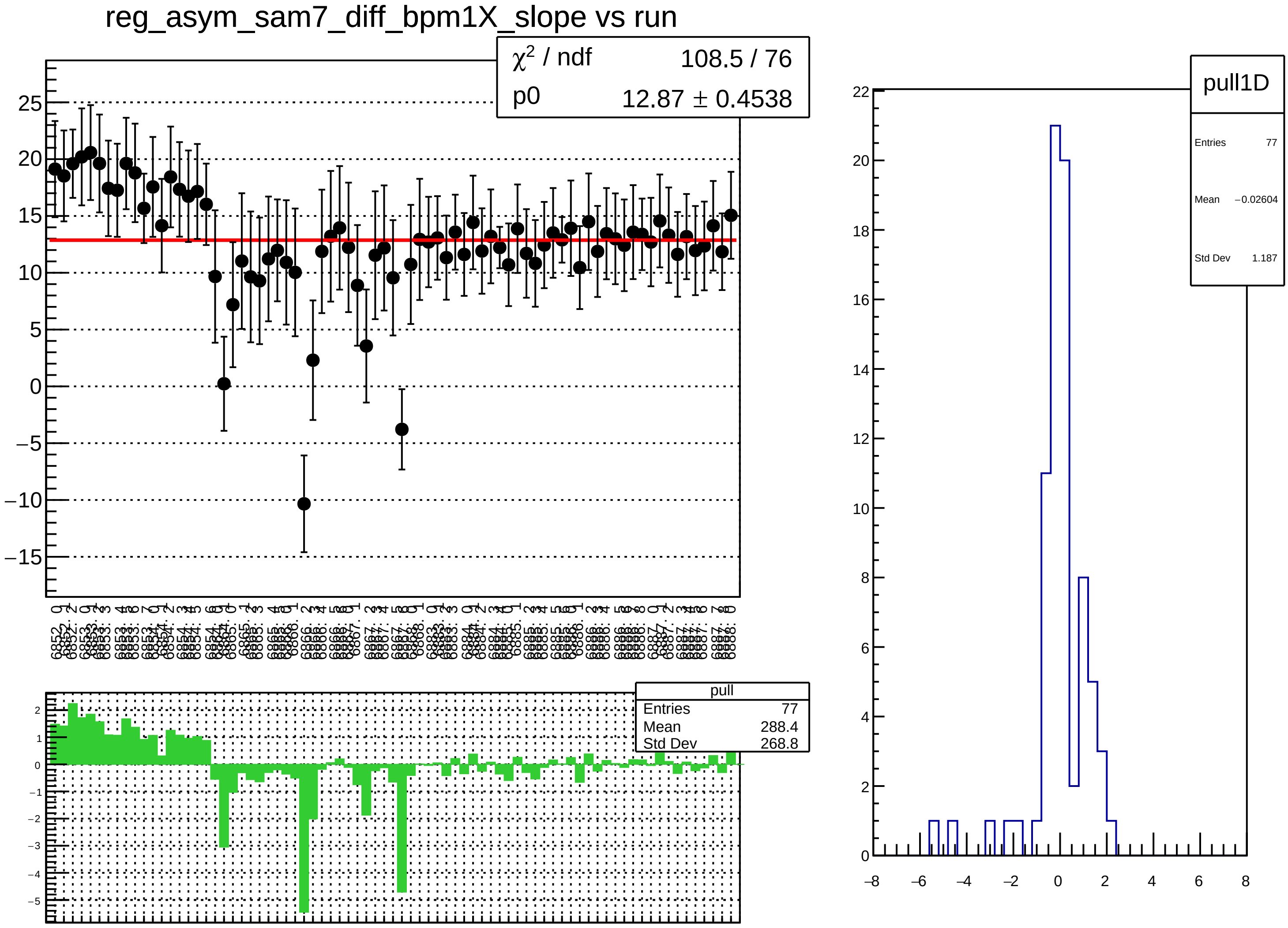
reg_asym_sam6_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 28.19 / 76
p0 47.47 ± 1.164
pull
Entries 77
Mean −5115
Std Dev 5149
pull1D
Entries 77
Mean −0.002065
Std Dev 0.605



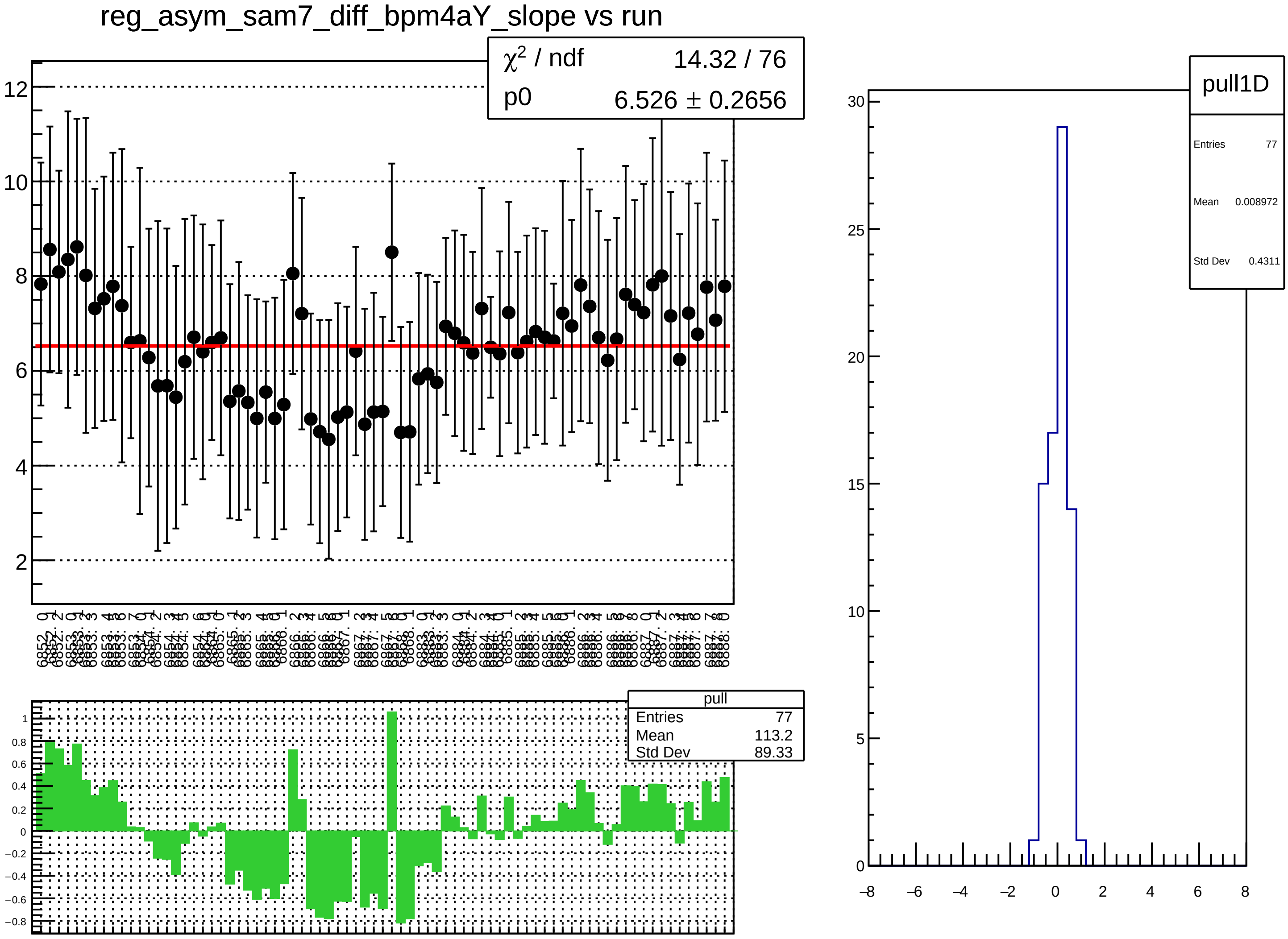
reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 94.08 / 76
p0 67.75 ± 0.9266
pull
Entries 77
Mean 918.2
Std Dev 899.1
pull1D
Entries 77
Mean 0.008929
Std Dev 1.105

reg_asym_sam6_diff_bpm12X_slope vs run

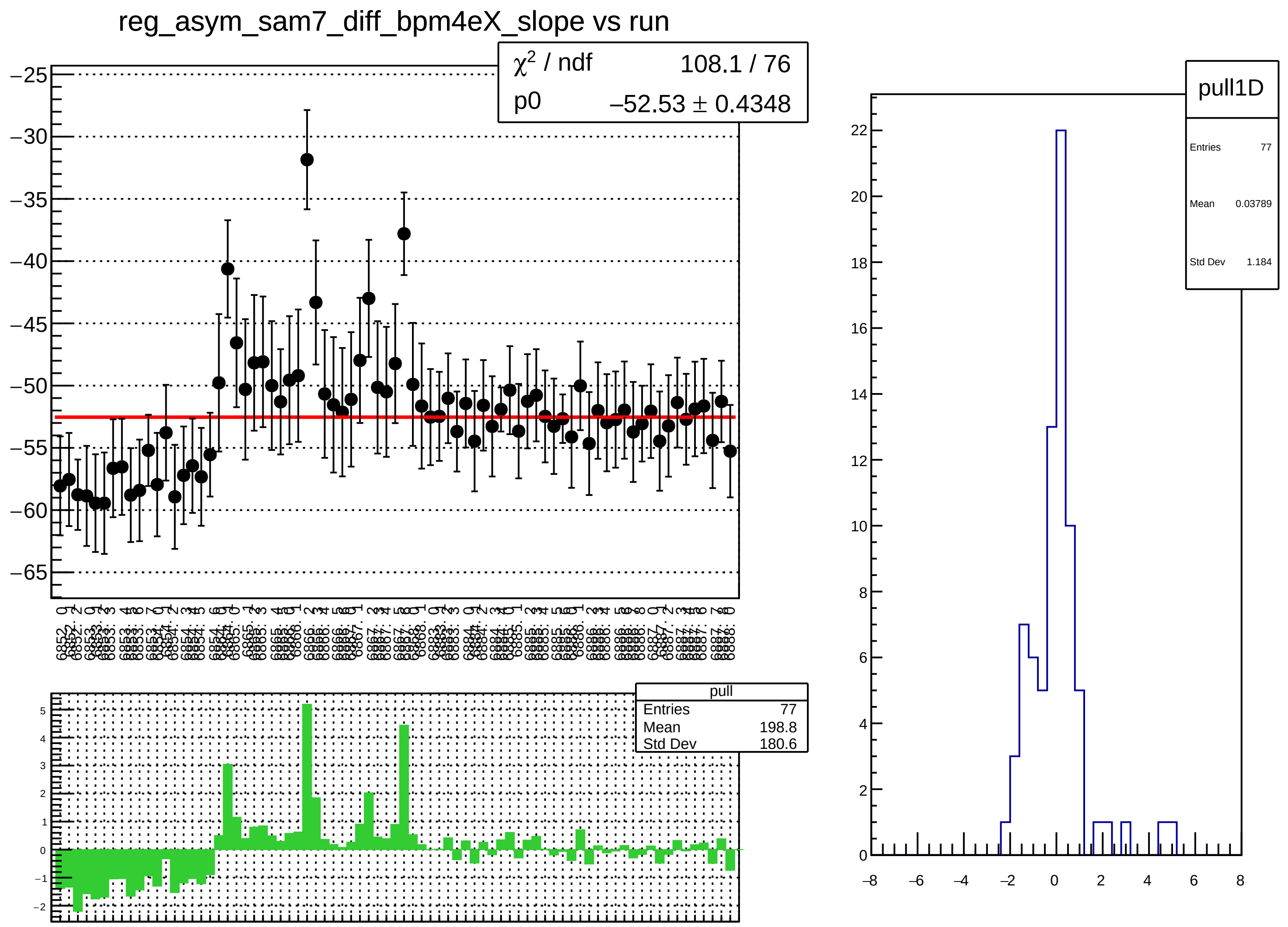




reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 108.5 / 76
p0 12.87 ± 0.4538
pull
Entries 77
Mean 288.4
Std Dev 268.8
pull1D
Entries 77
Mean −0.02604
Std Dev 1.187

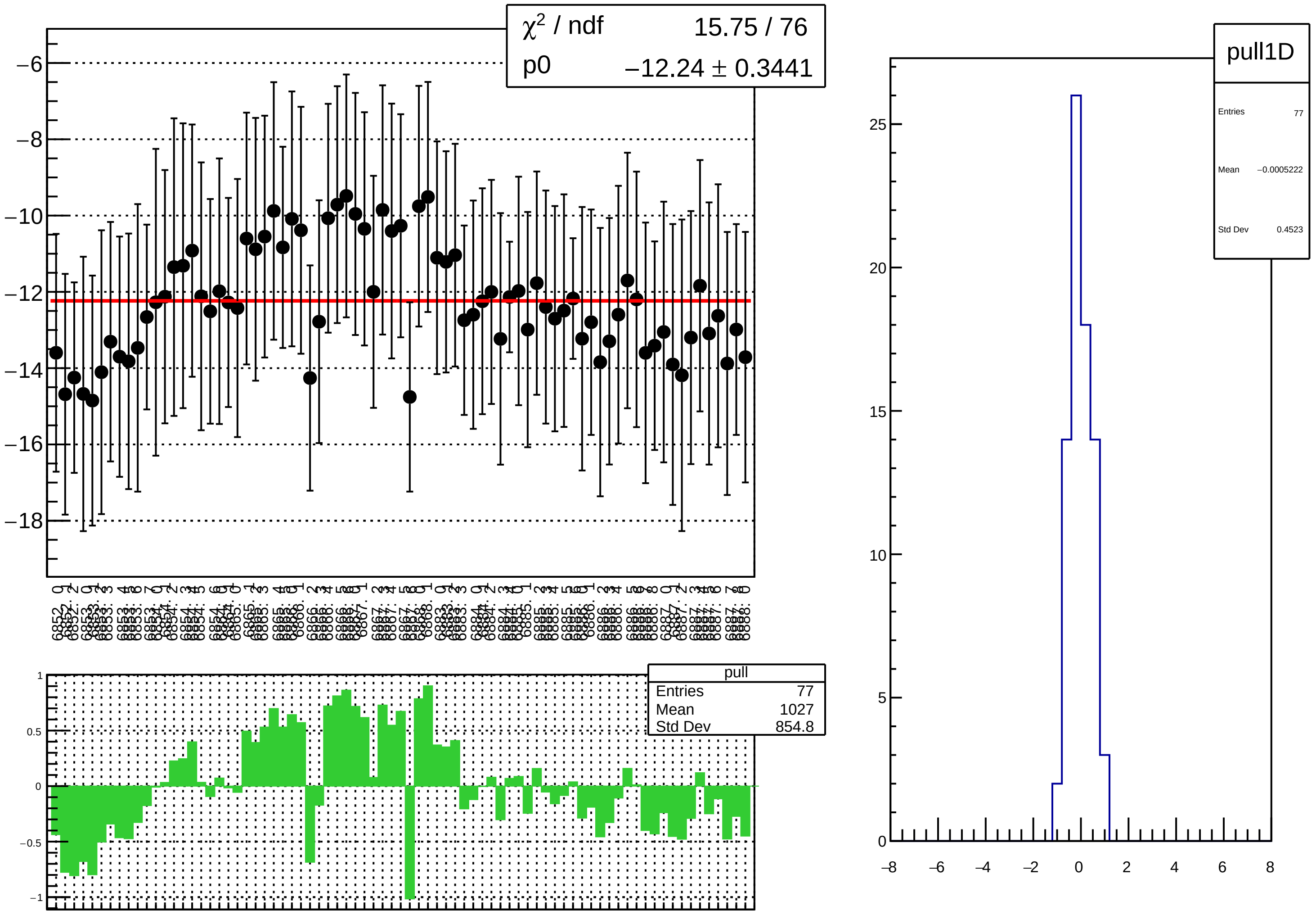


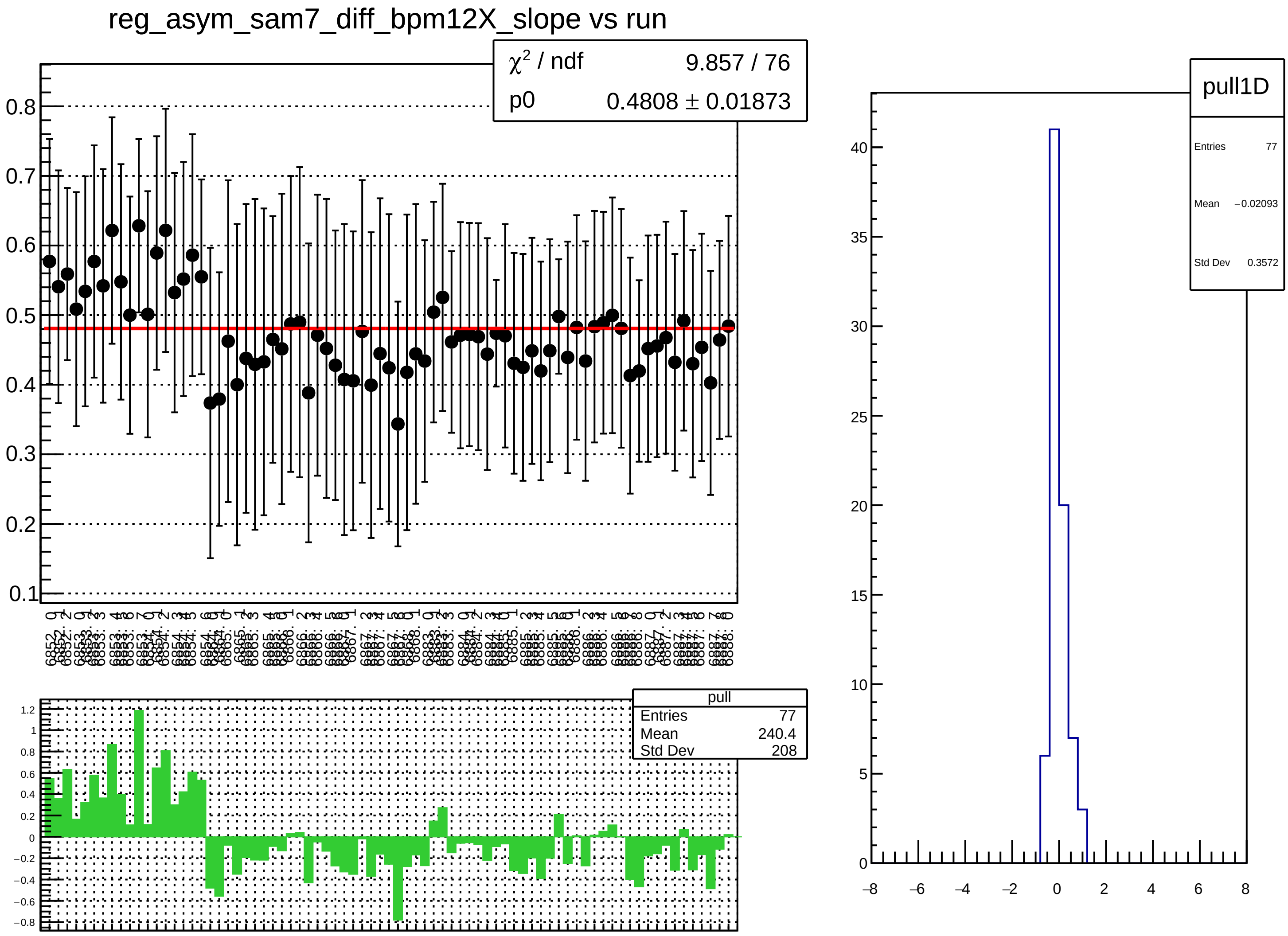
reg_asym_sam7_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 14.32 / 76
p0 6.526 ± 0.2656
pull
Entries 77
Mean 113.2
Std Dev 89.33
pull1D
Entries 77
Mean 0.008972
Std Dev 0.4311



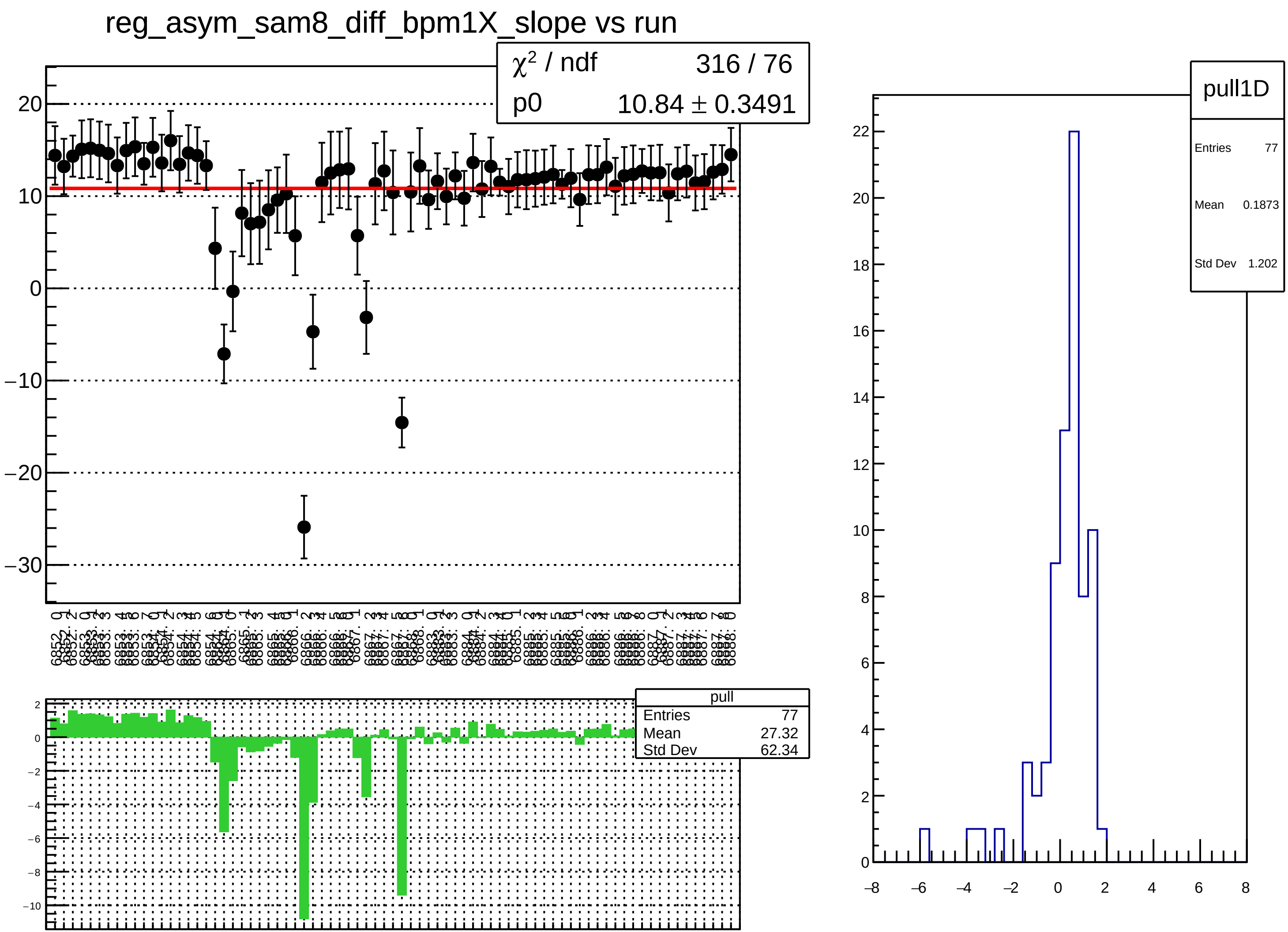
reg_asym_sam7_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 108.1 / 76
p0 −52.53 ± 0.4348
pull
Entries 77
Mean 198.8
Std Dev 180.6
pull1D
Entries 77
Mean 0.03789
Std Dev 1.184

reg_asym_sam7_diff_bpm4eY_slope vs run

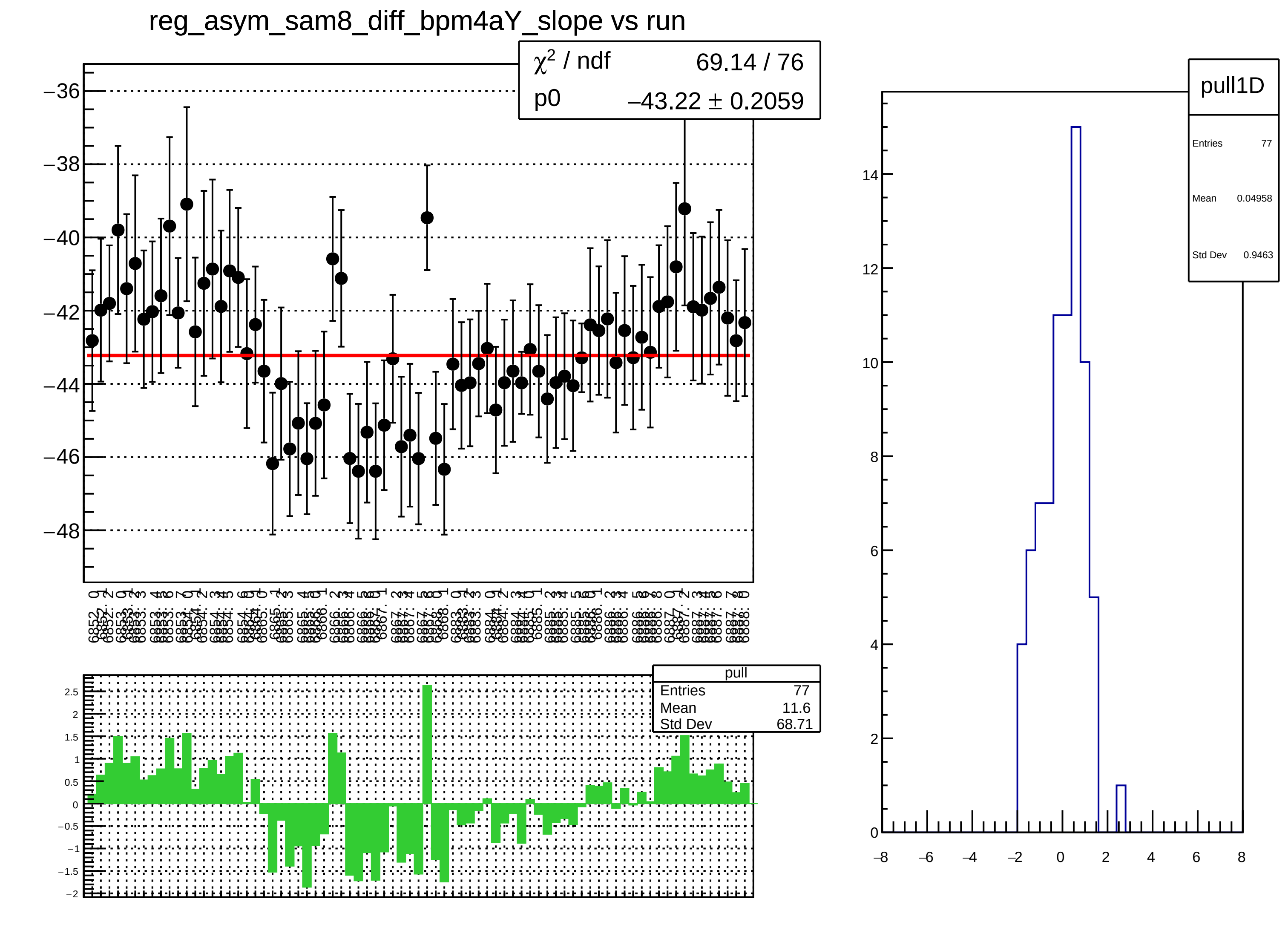


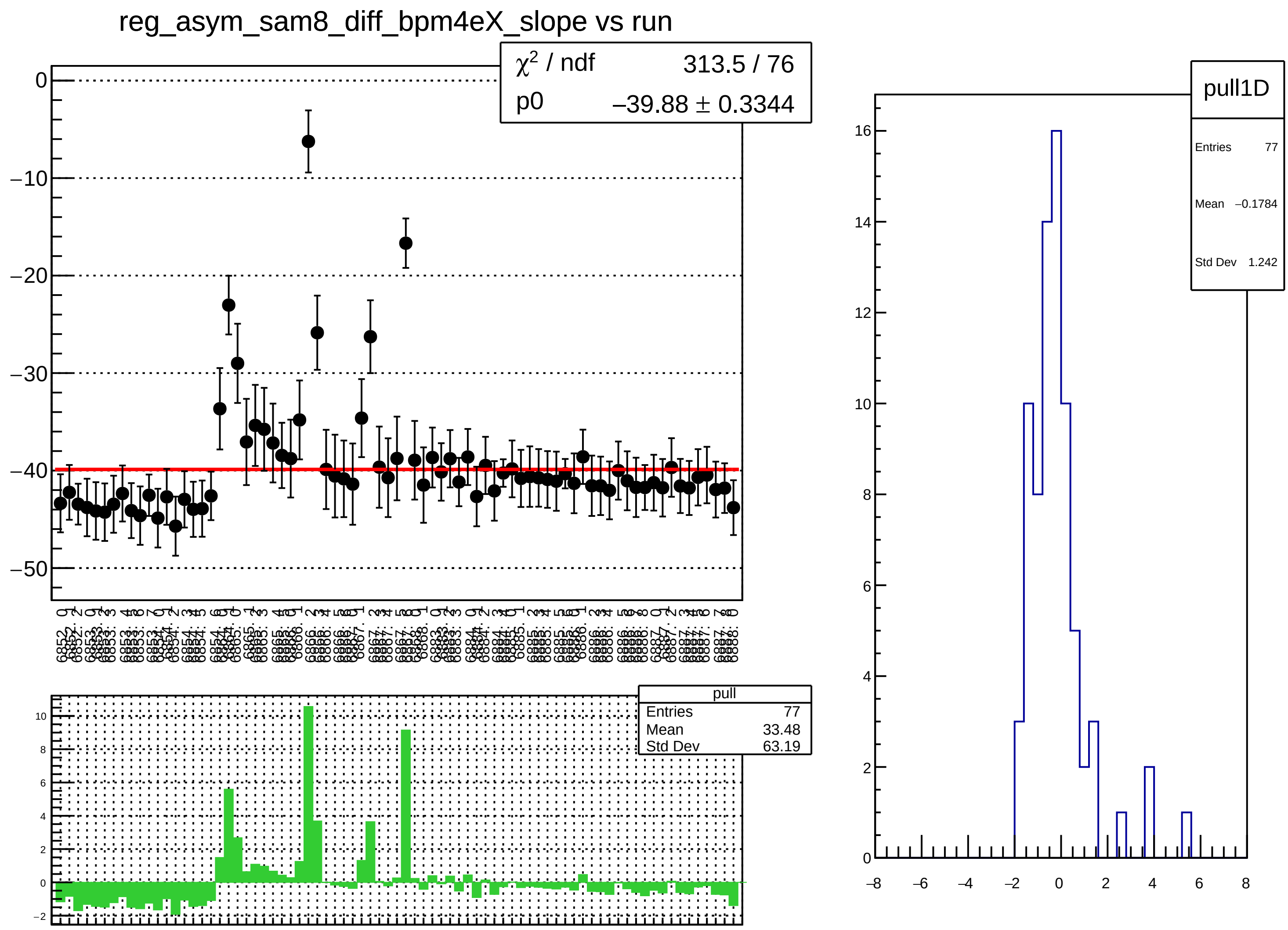


reg_asym_sam7_diff_bpm12X_slope vs run
$\chi^2$ / ndf 9.857 / 76
p0 0.4808 ± 0.01873
pull
Entries 77
Mean 240.4
Std Dev 208
pull1D
Entries 77
Mean −0.02093
Std Dev 0.3572

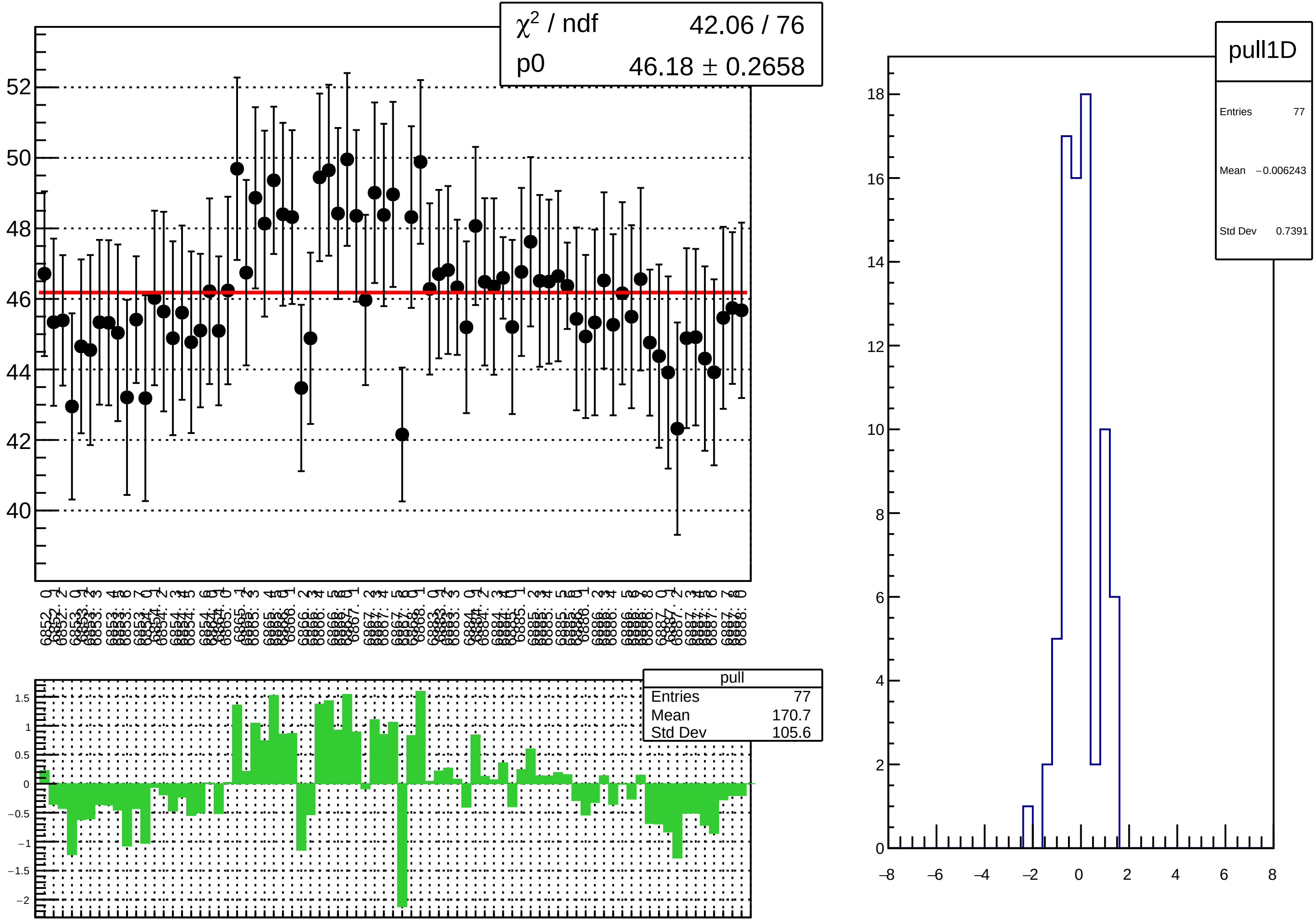


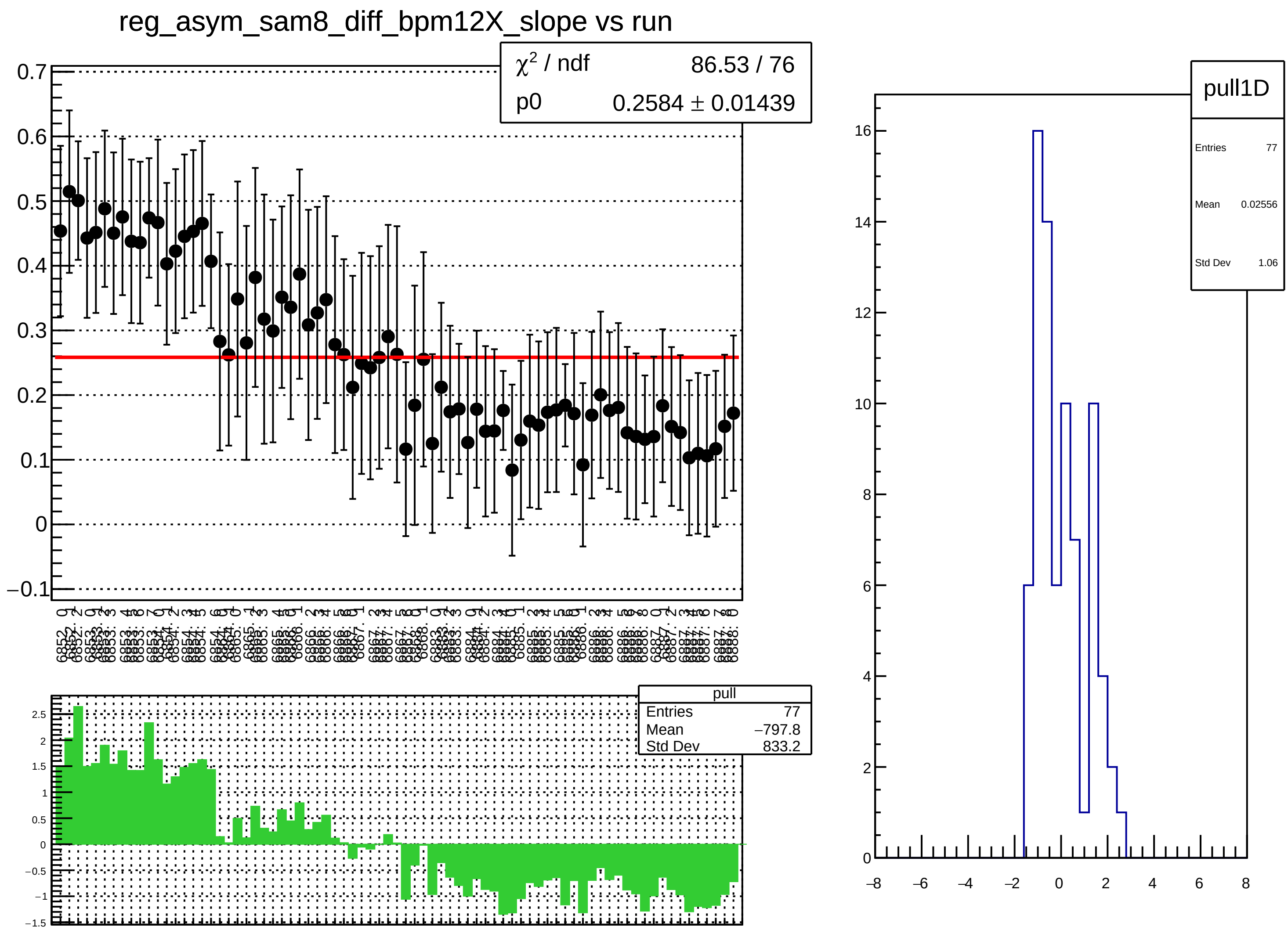
reg_asym_sam8_diff_bpm1X_slope vs run
$\chi^2$ / ndf 316 / 76
p0 10.84 ± 0.3491
pull
Entries 77
Mean 27.32
Std Dev 62.34
pull1D
Entries 77
Mean 0.1873
Std Dev 1.202


reg_asym_sam8_diff_bpm4aY_slope vs run
χ2 / ndf 69.14 / 76
p0 −43.22 ± 0.2059
pull
Entries 77
Mean 11.6
Std Dev 68.71
pull1D
Entries 77
Mean 0.04958
Std Dev 0.9463

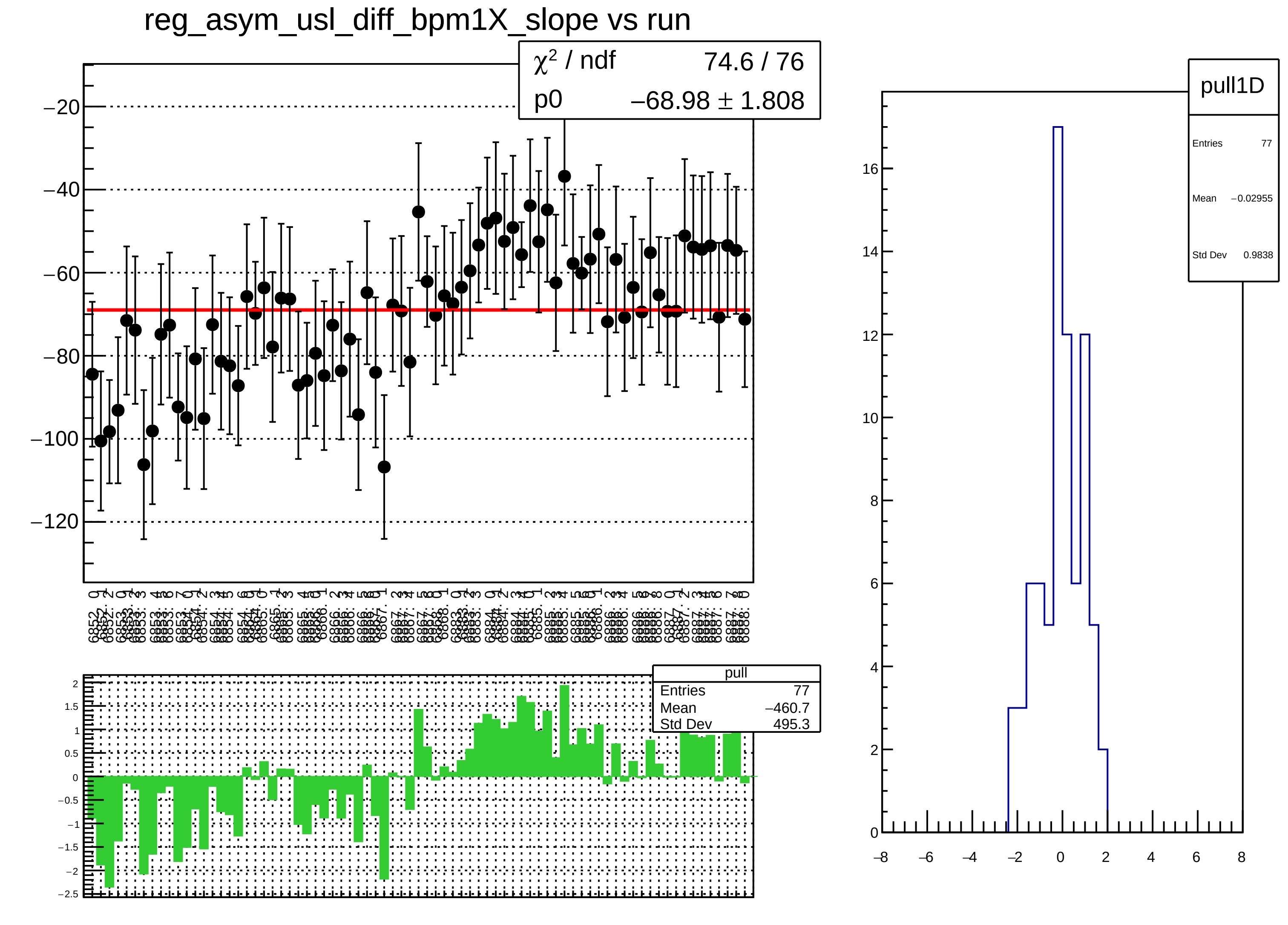

reg_asym_sam8_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 313.5 / 76
p0 −39.88 ± 0.3344
pull
Entries 77
Mean 33.48
Std Dev 63.19
pull1D
Entries 77
Mean −0.1784
Std Dev 1.242

reg_asym_sam8_diff_bpm4eY_slope vs run

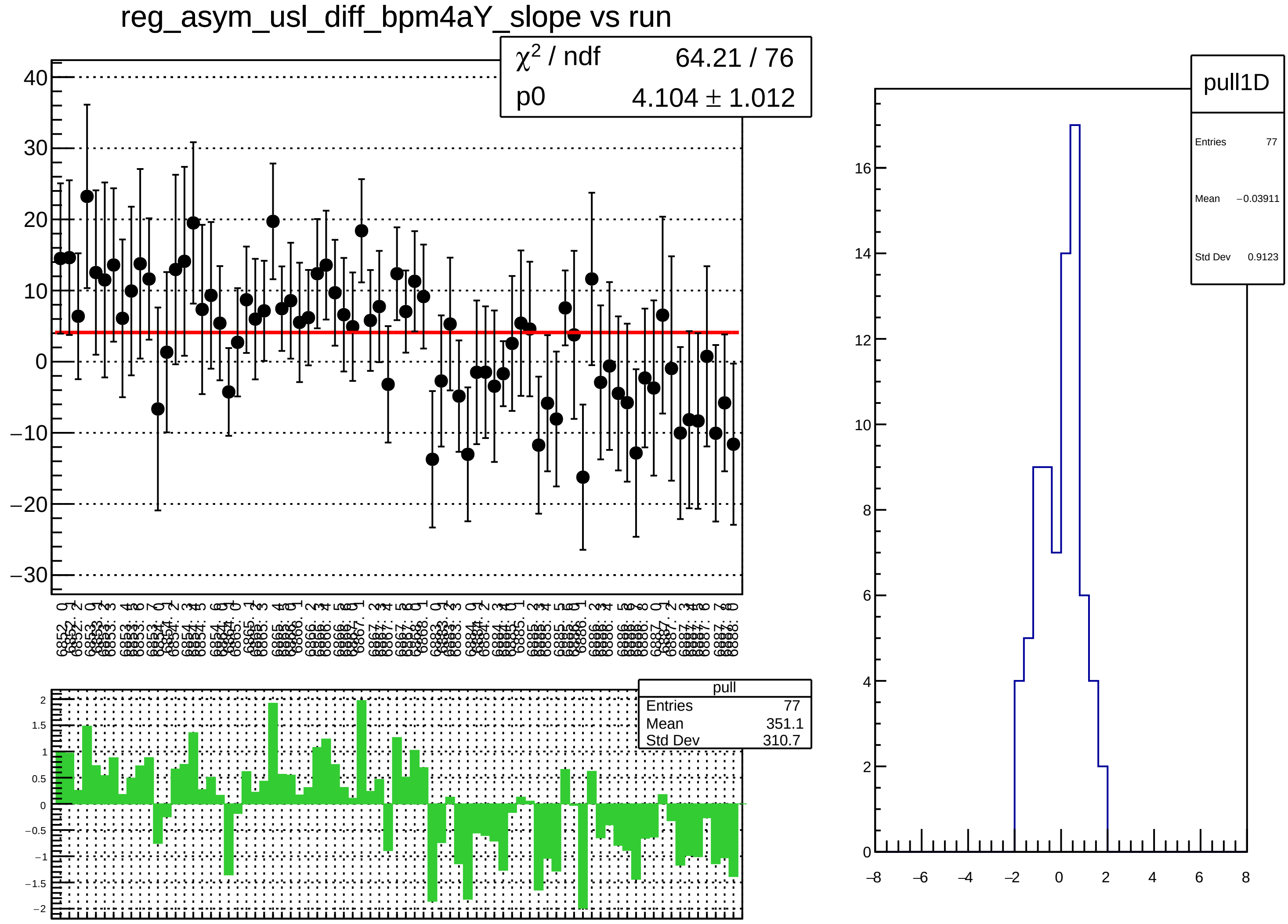




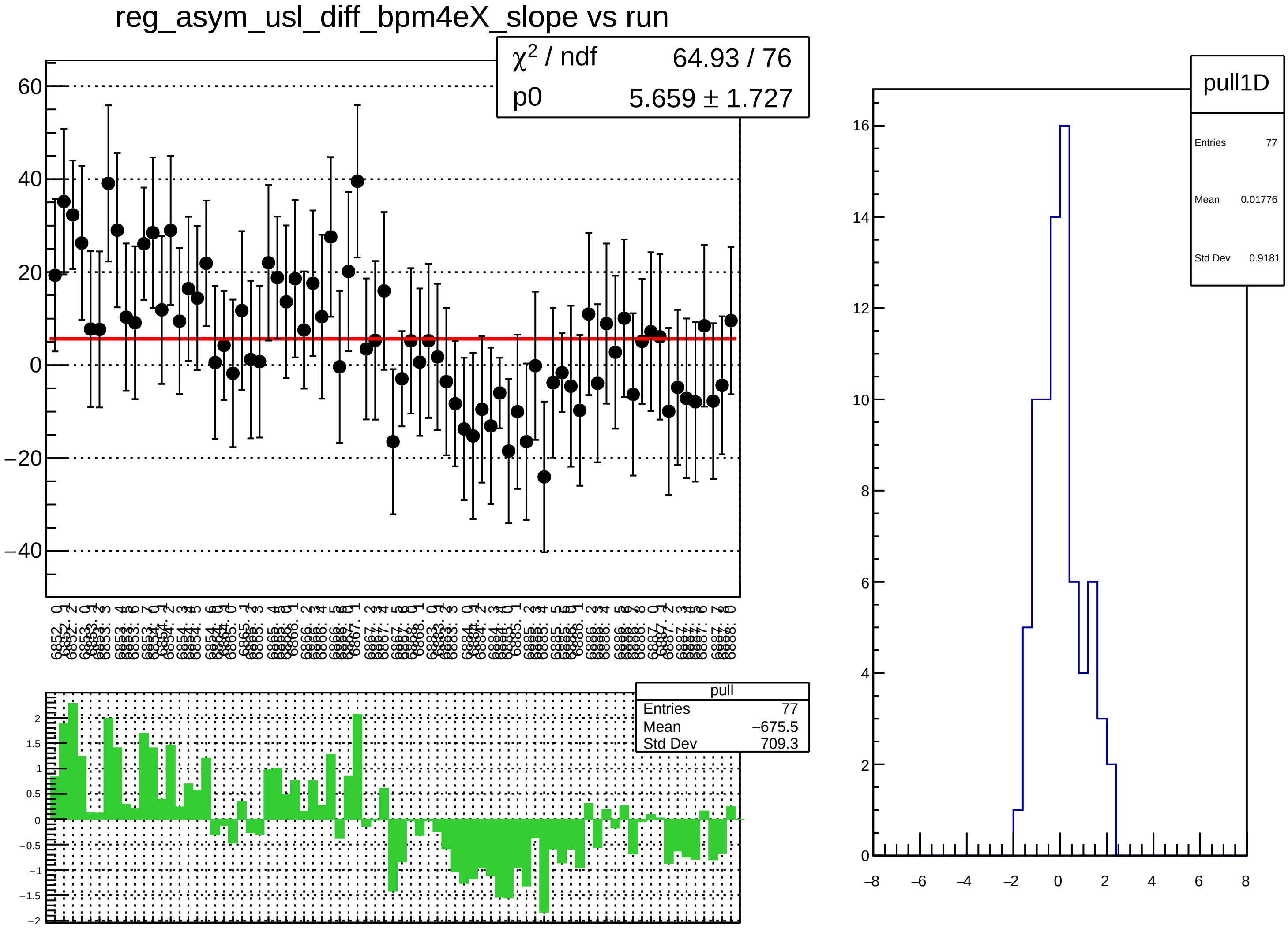
reg_asym_sam8_diff_bpm12X_slope vs run
$\chi^2$ / ndf 86.53 / 76
p0 0.2584 ± 0.01439
pull
Entries 77
Mean −797.8
Std Dev 833.2
pull1D
Entries 77
Mean 0.02556
Std Dev 1.06



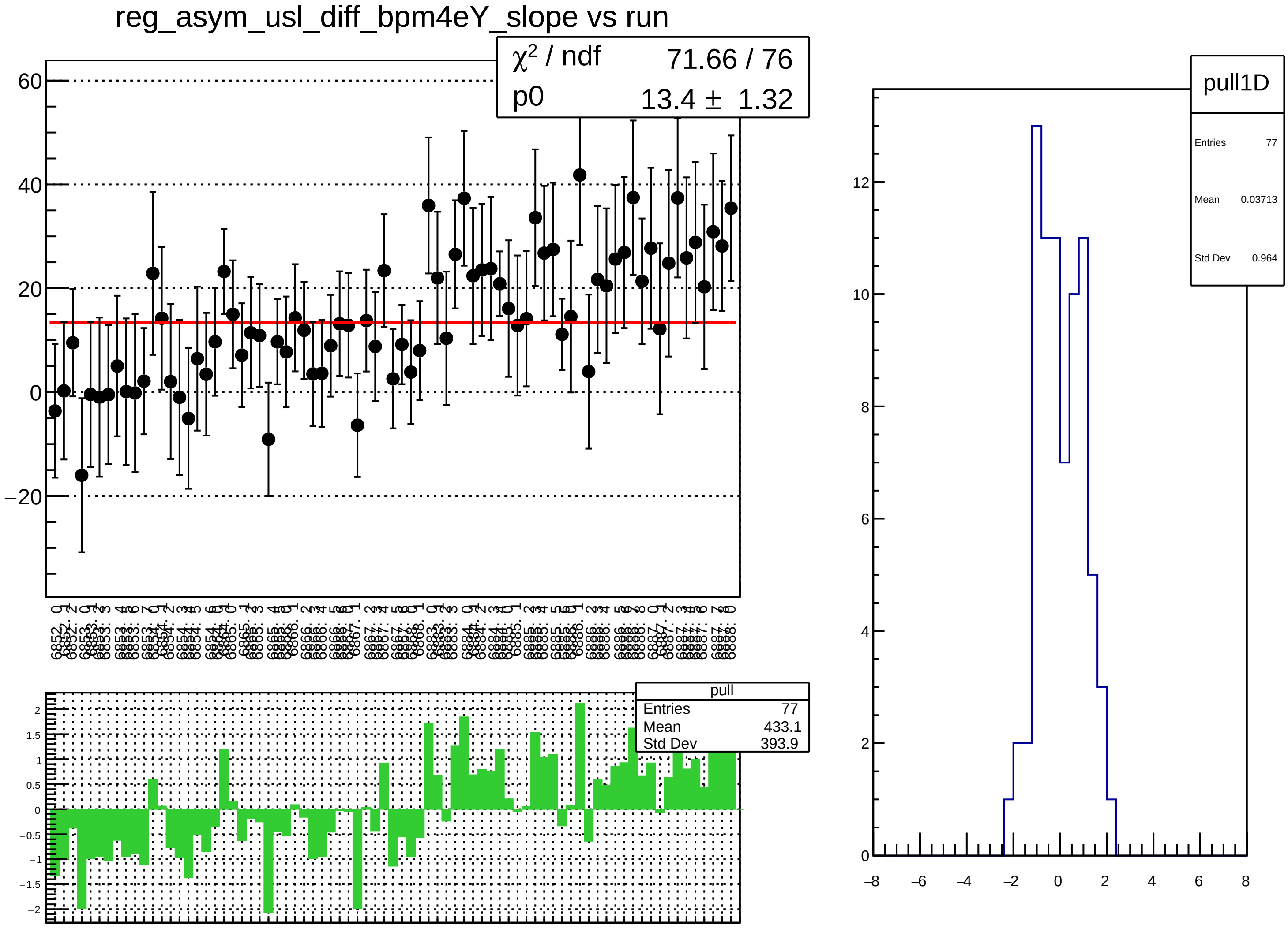
reg_asym_usl_diff_bpm1X_slope vs run
$\chi^2$ / ndf 74.6 / 76
p0 −68.98 ± 1.808
pull
Entries 77
Mean −460.7
Std Dev 495.3
pull1D
Entries 77
Mean −0.02955
Std Dev 0.9838



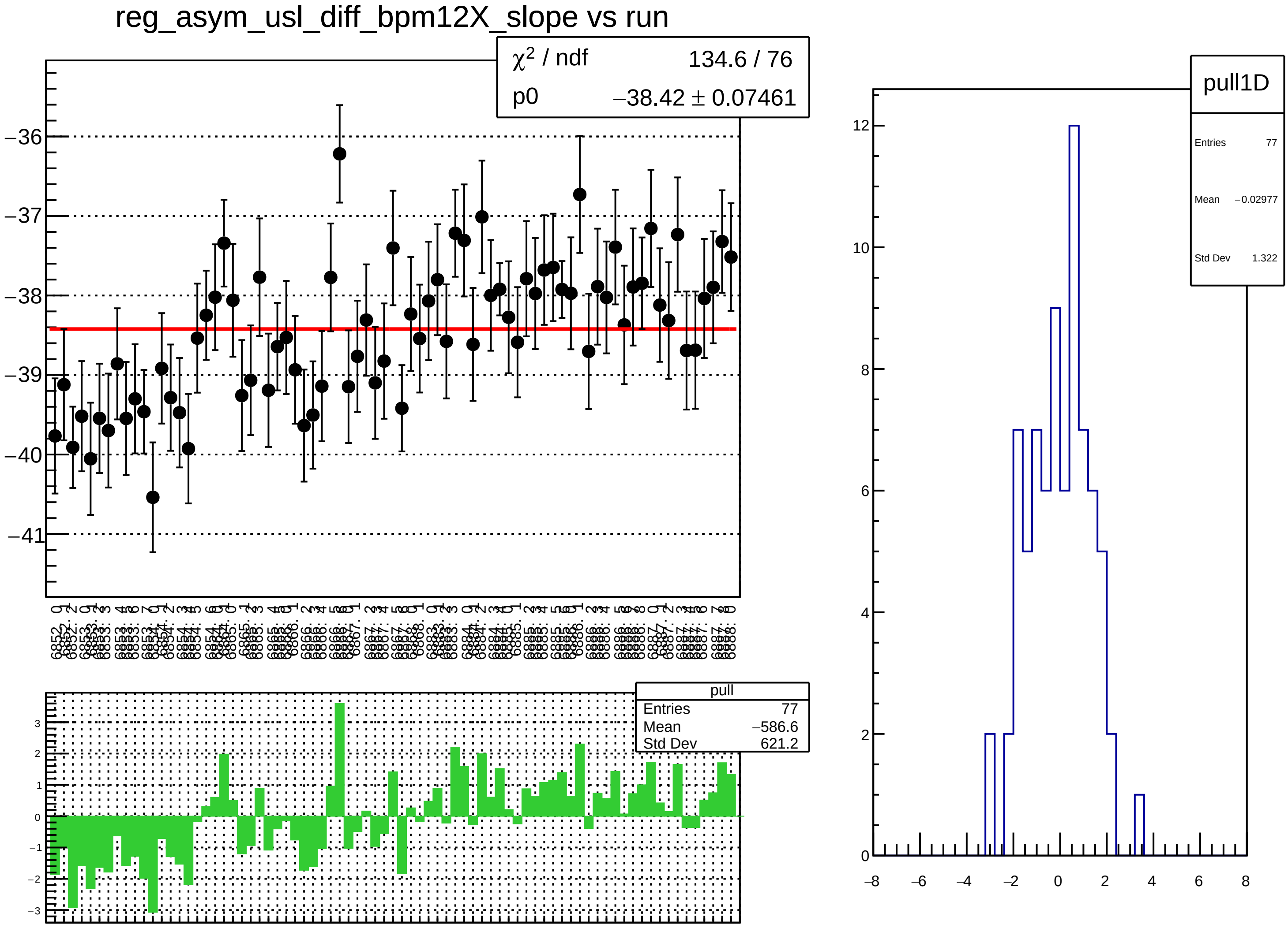
reg_asym_usl_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 64.21 / 76
p0 4.104 ± 1.012
pull
Entries 77
Mean 351.1
Std Dev 310.7
pull1D
Entries 77
Mean −0.03911
Std Dev 0.9123

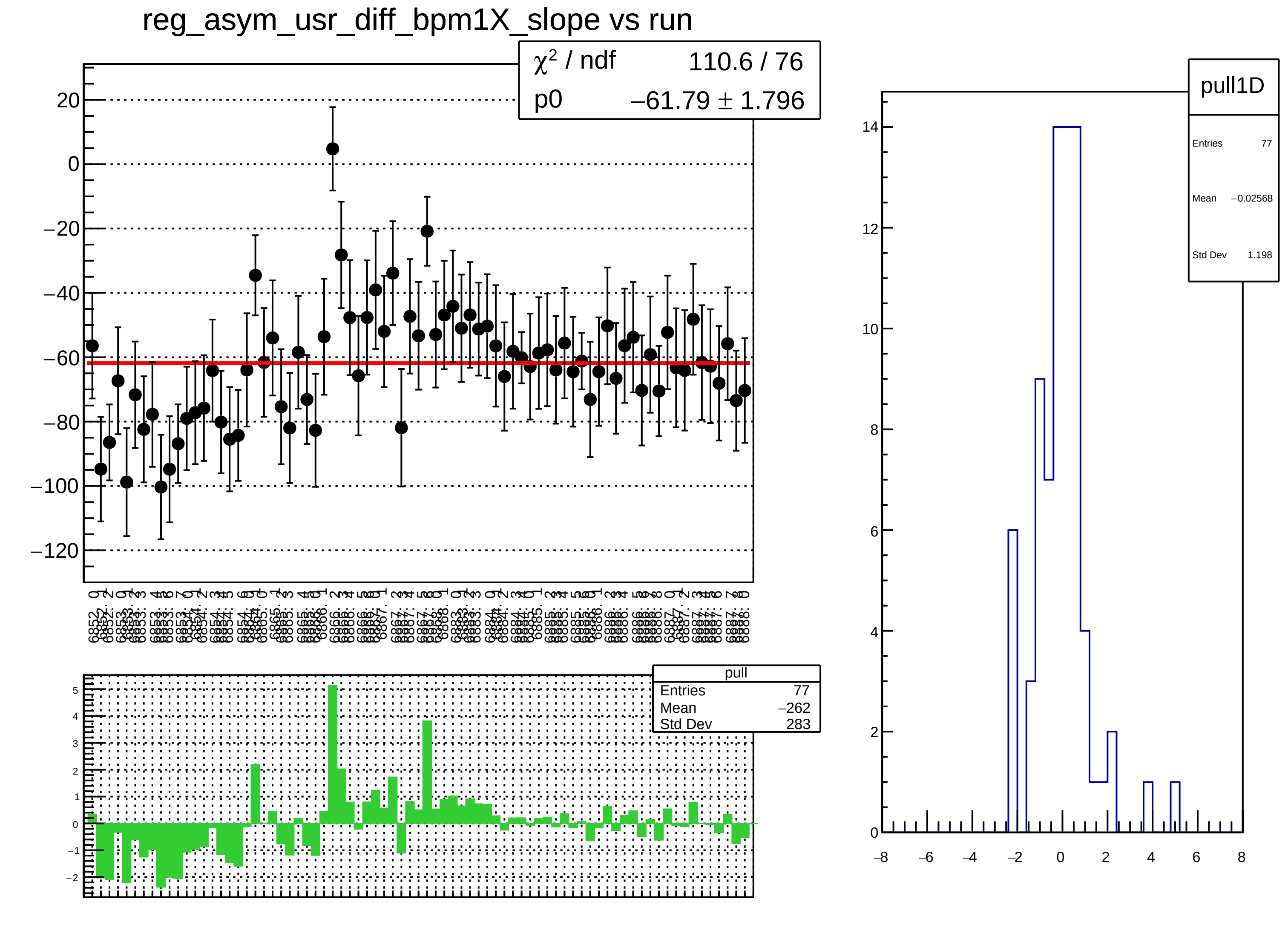


reg_asym_usl_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 64.93 / 76
p0 5.659 ± 1.727
pull
Entries 77
Mean −675.5
Std Dev 709.3
pull1D
Entries 77
Mean 0.01776
Std Dev 0.9181

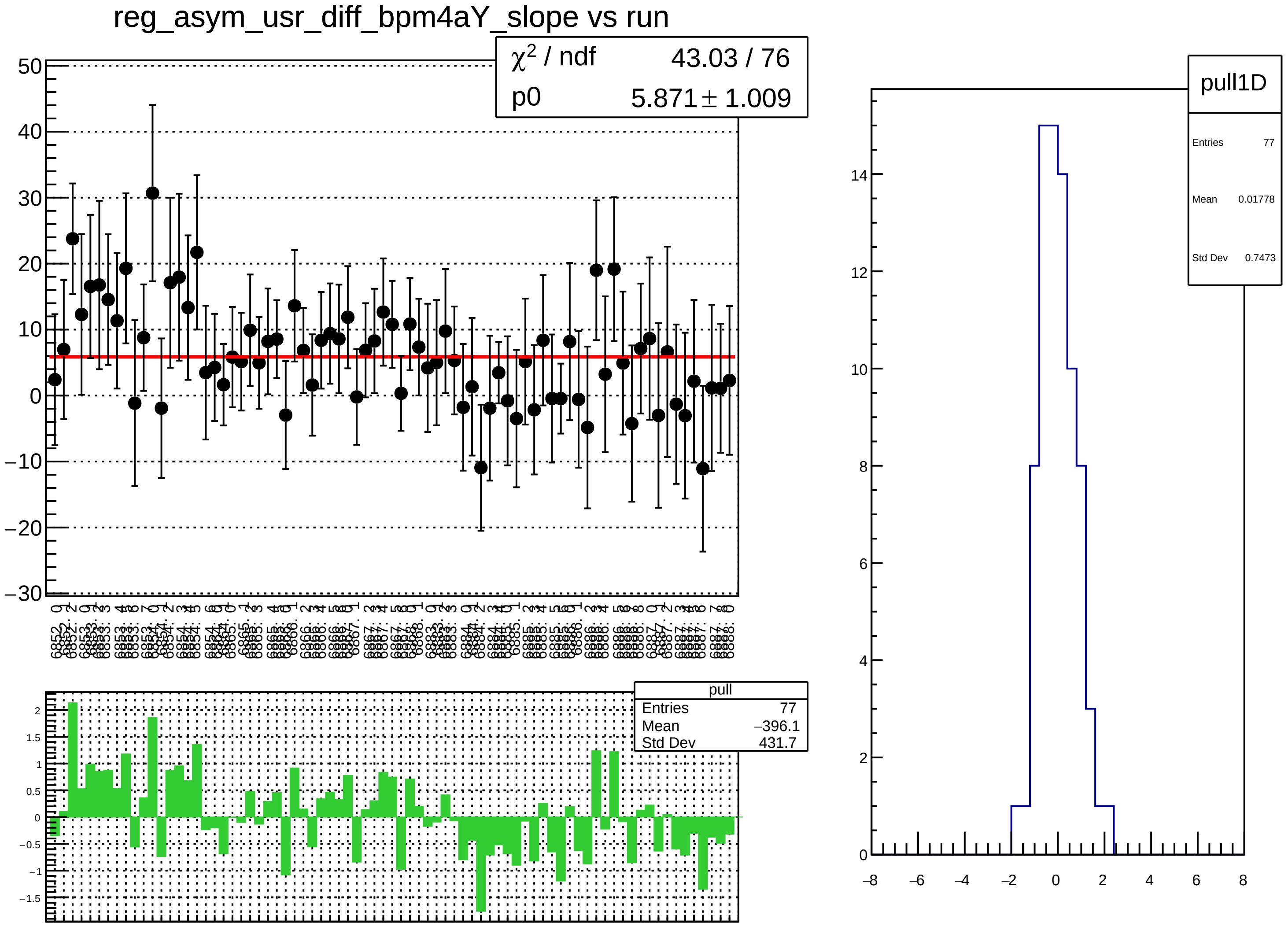


reg_asym_usl_diff_bpm4eY_slope vs run
χ2 / ndf 71.66 / 76
p0 13.4 ± 1.32
pull
Entries 77
Mean 433.1
Std Dev 393.9
pull1D
Entries 77
Mean 0.03713
Std Dev 0.964

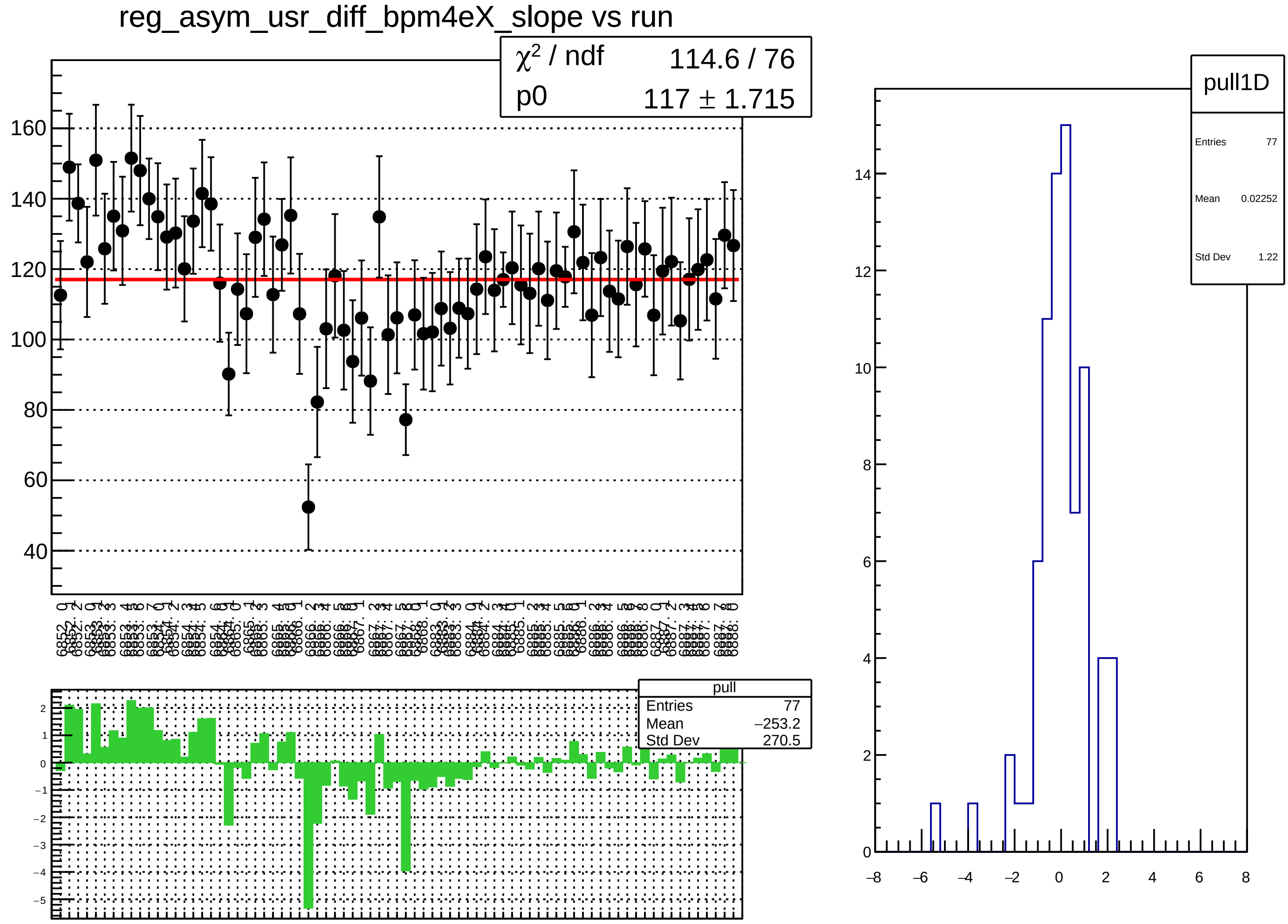

reg_asym_usl_diff_bpm12X_slope vs run
$\chi^2$ / ndf 134.6 / 76
p0 −38.42 ± 0.07461
pull
Entries 77
Mean −586.6
Std Dev 621.2
pull1D
Entries 77
Mean −0.02977
Std Dev 1.322



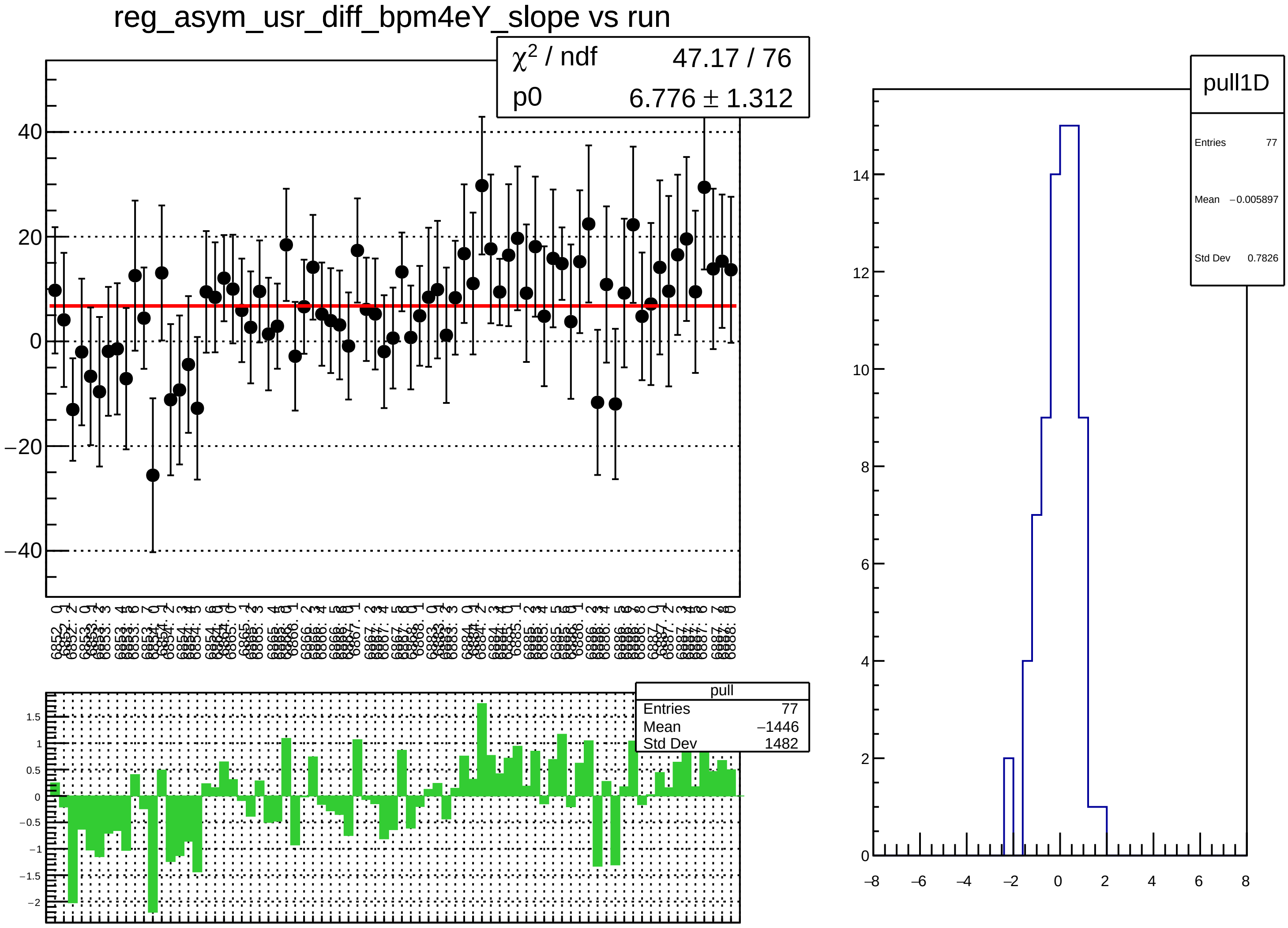
reg_asym_usr_diff_bpm1X_slope vs run
$\chi^2$ / ndf 110.6 / 76
p0 −61.79 ± 1.796
pull
Entries 77
Mean −262
Std Dev 283
pull1D
Entries 77
Mean −0.02568
Std Dev 1.198



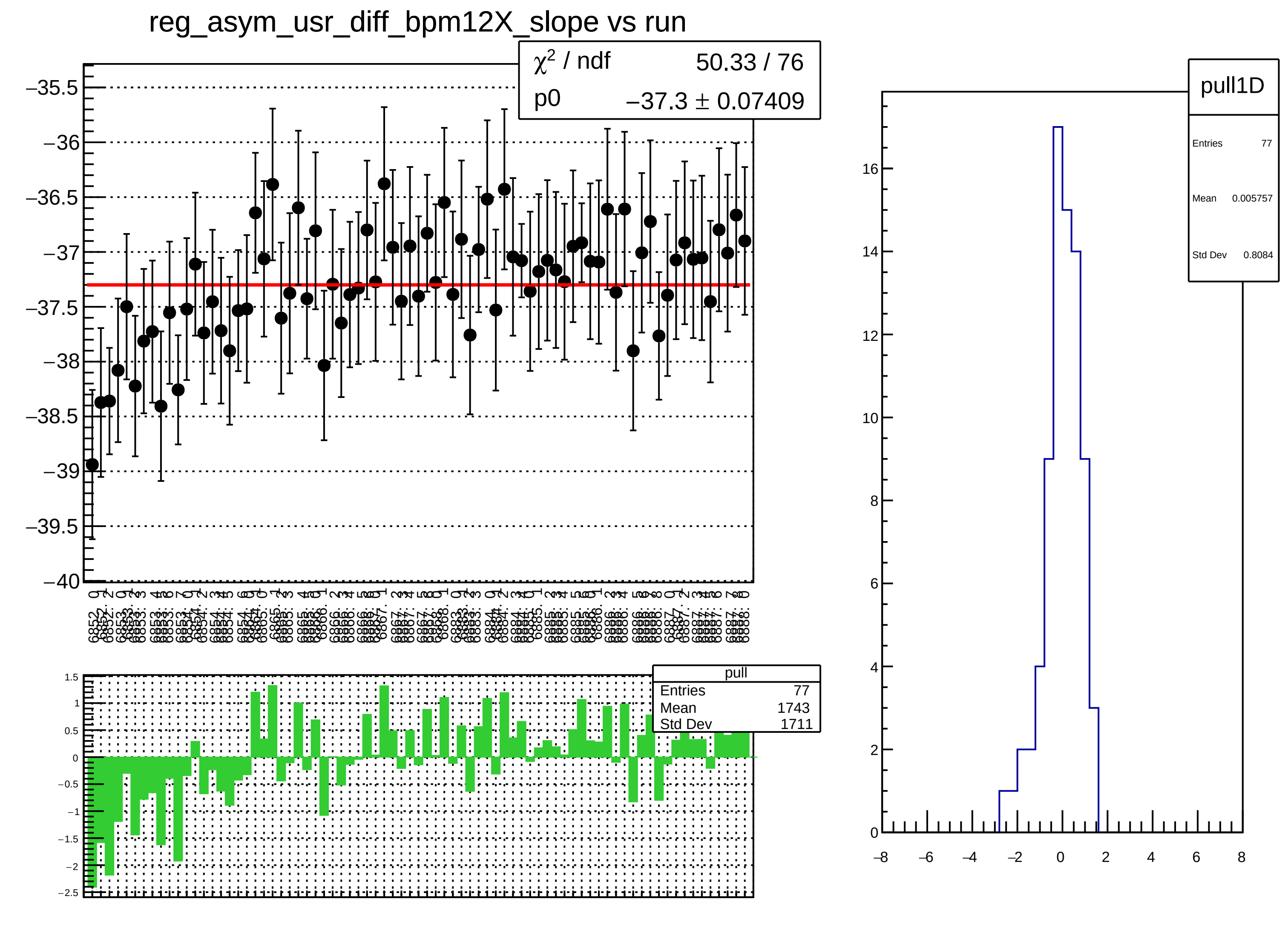
reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 43.03 / 76
p0 5.871 ± 1.009
pull
Entries 77
Mean −396.1
Std Dev 431.7
pull1D
Entries 77
Mean 0.01778
Std Dev 0.7473



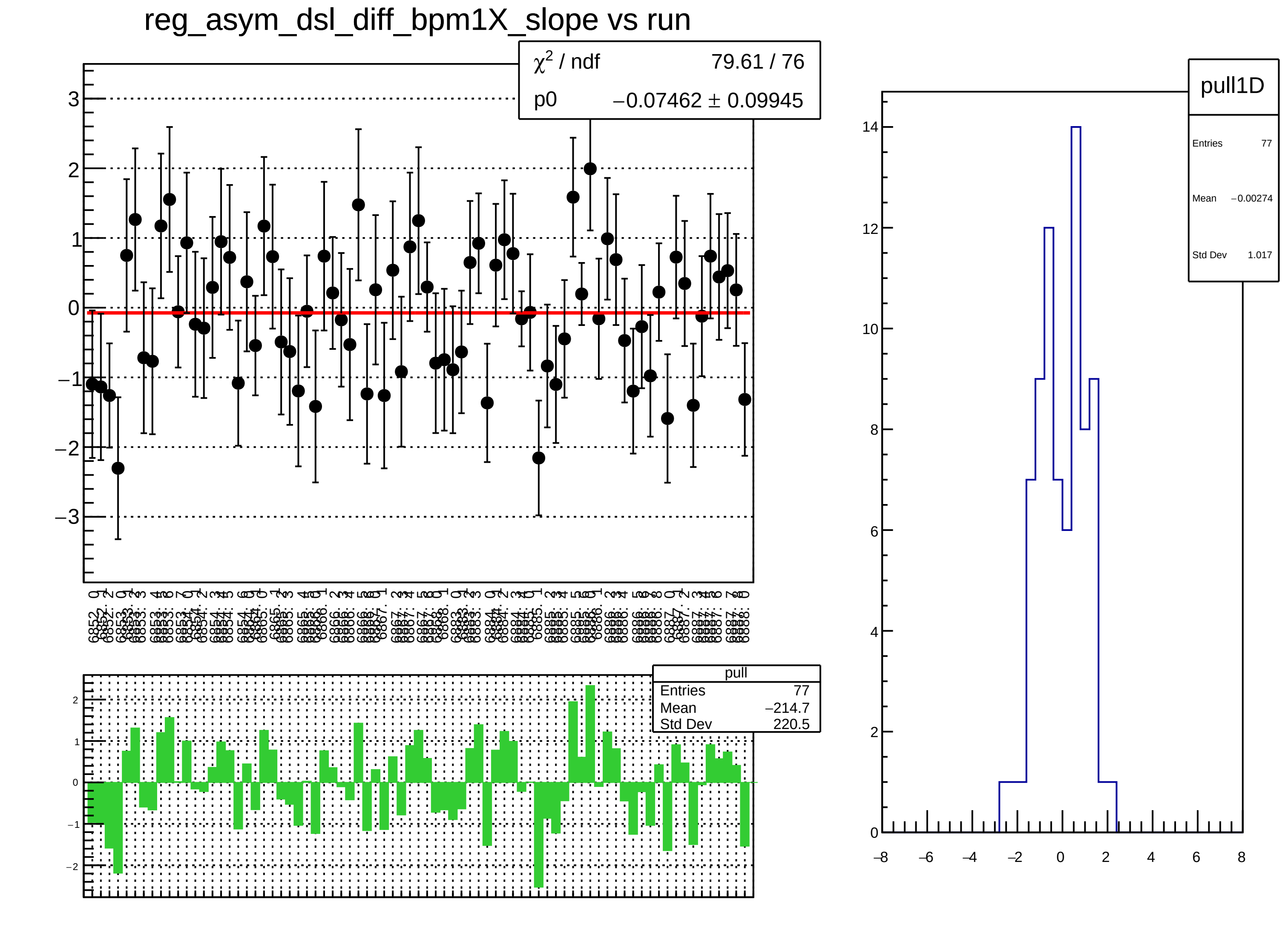
reg_asym_usr_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 114.6 / 76
p0 117 ± 1.715
pull
Entries 77
Mean −253.2
Std Dev 270.5
pull1D
Entries 77
Mean 0.02252
Std Dev 1.22



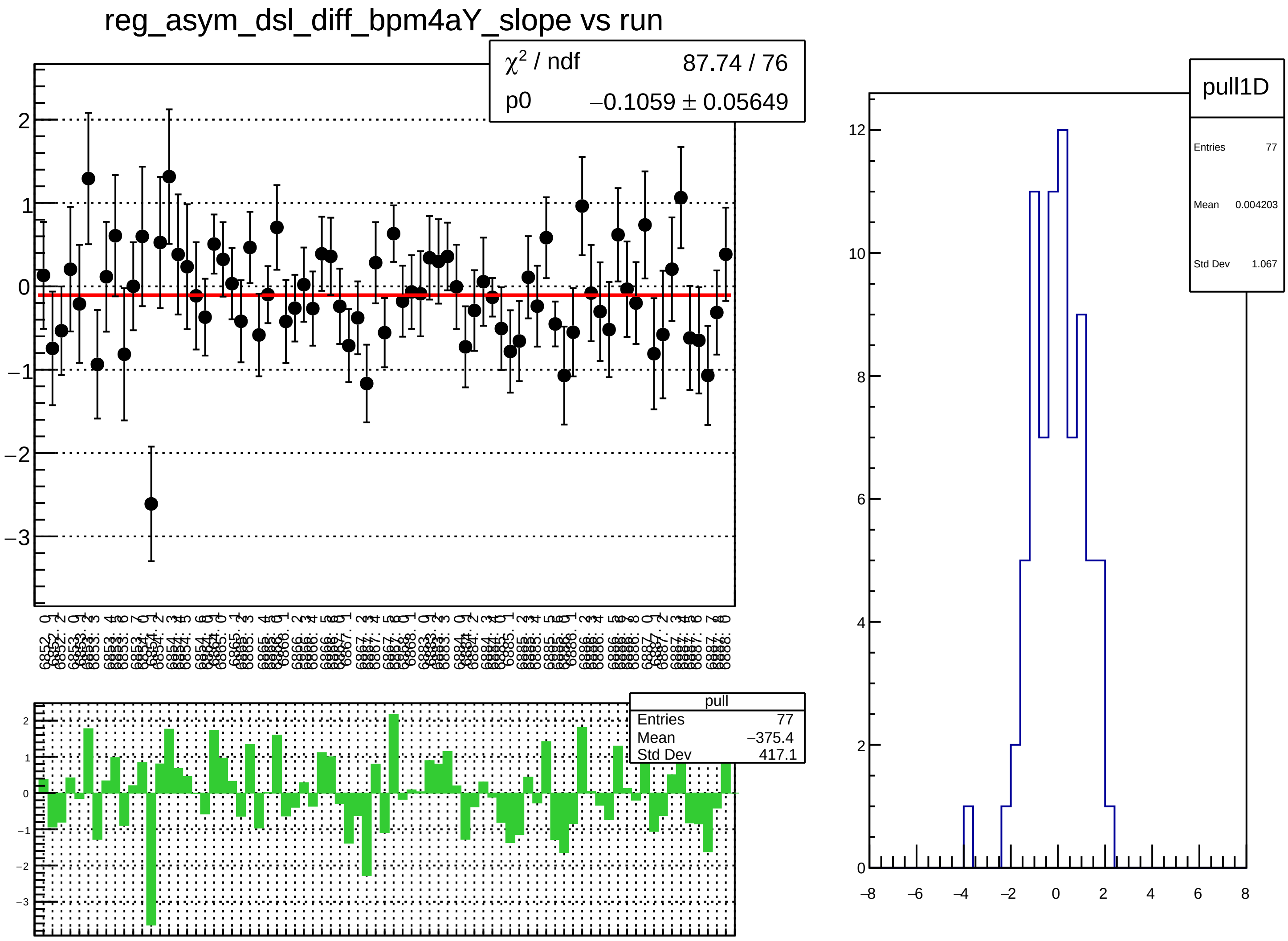
reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 47.17 / 76
p0 6.776 ± 1.312
pull
Entries 77
Mean −1446
Std Dev 1482
pull1D
Entries 77
Mean −0.005897
Std Dev 0.7826



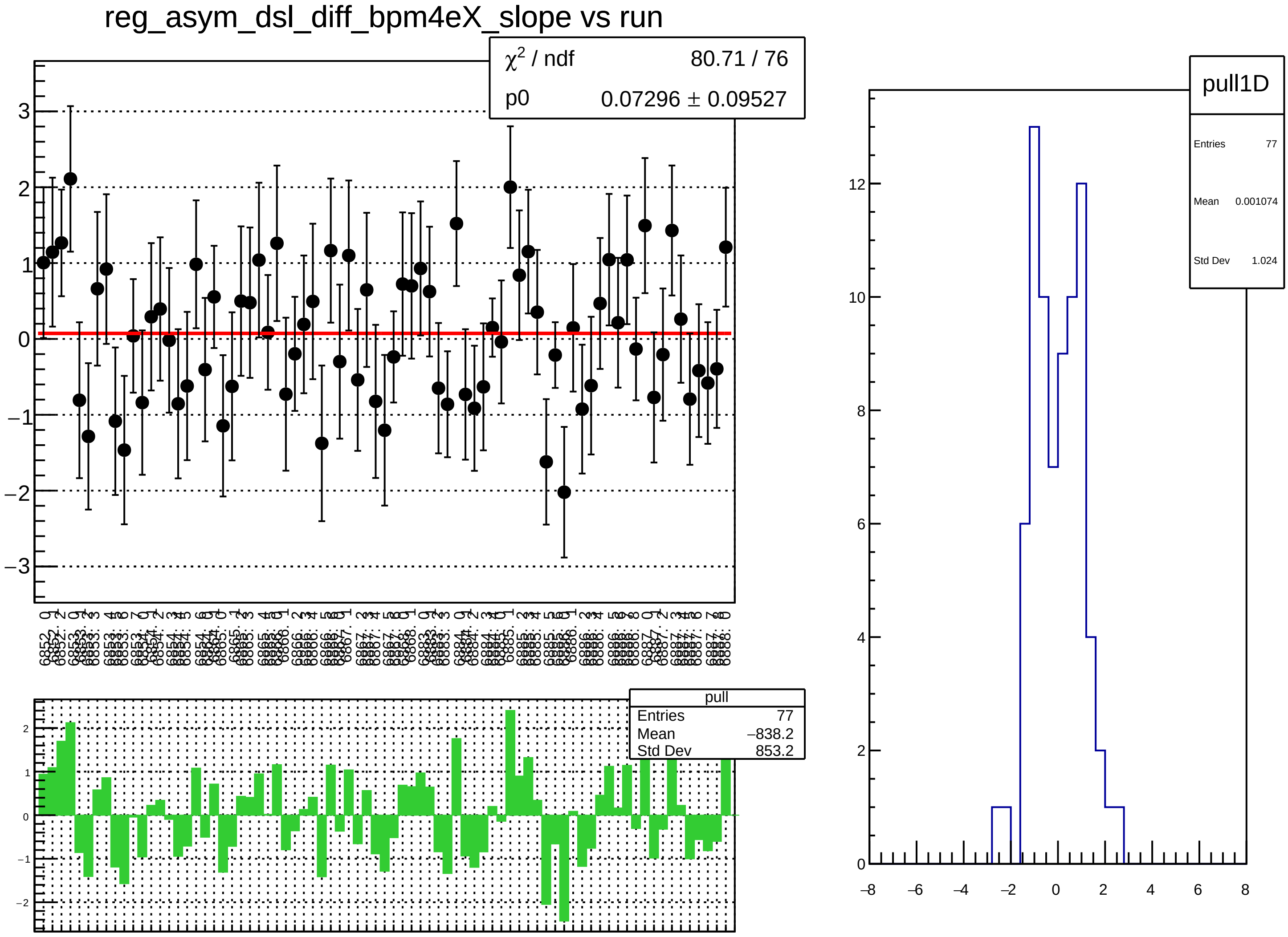
reg_asym_usr_diff_bpm12X_slope vs run
$\chi^2$ / ndf 50.33 / 76
p0 −37.3 ± 0.07409
pull
Entries 77
Mean 1743
Std Dev 1711
pull1D
Entries 77
Mean 0.005757
Std Dev 0.8084



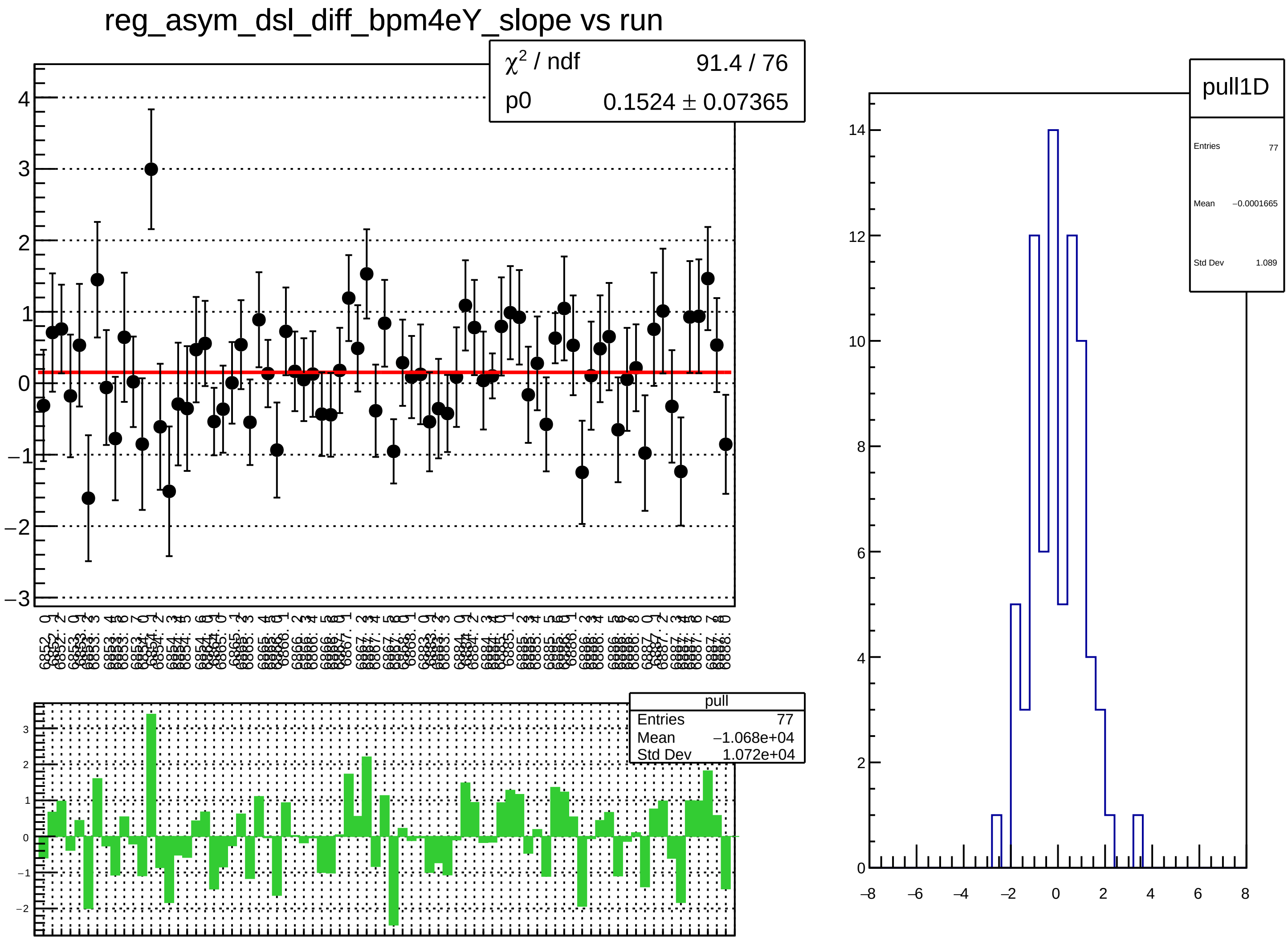
reg_asym_dsl_diff_bpm1X_slope vs run
$\chi^2$ / ndf 79.61 / 76
p0 −0.07462 ± 0.09945
pull
Entries 77
Mean −214.7
Std Dev 220.5
pull1D
Entries 77
Mean −0.00274
Std Dev 1.017



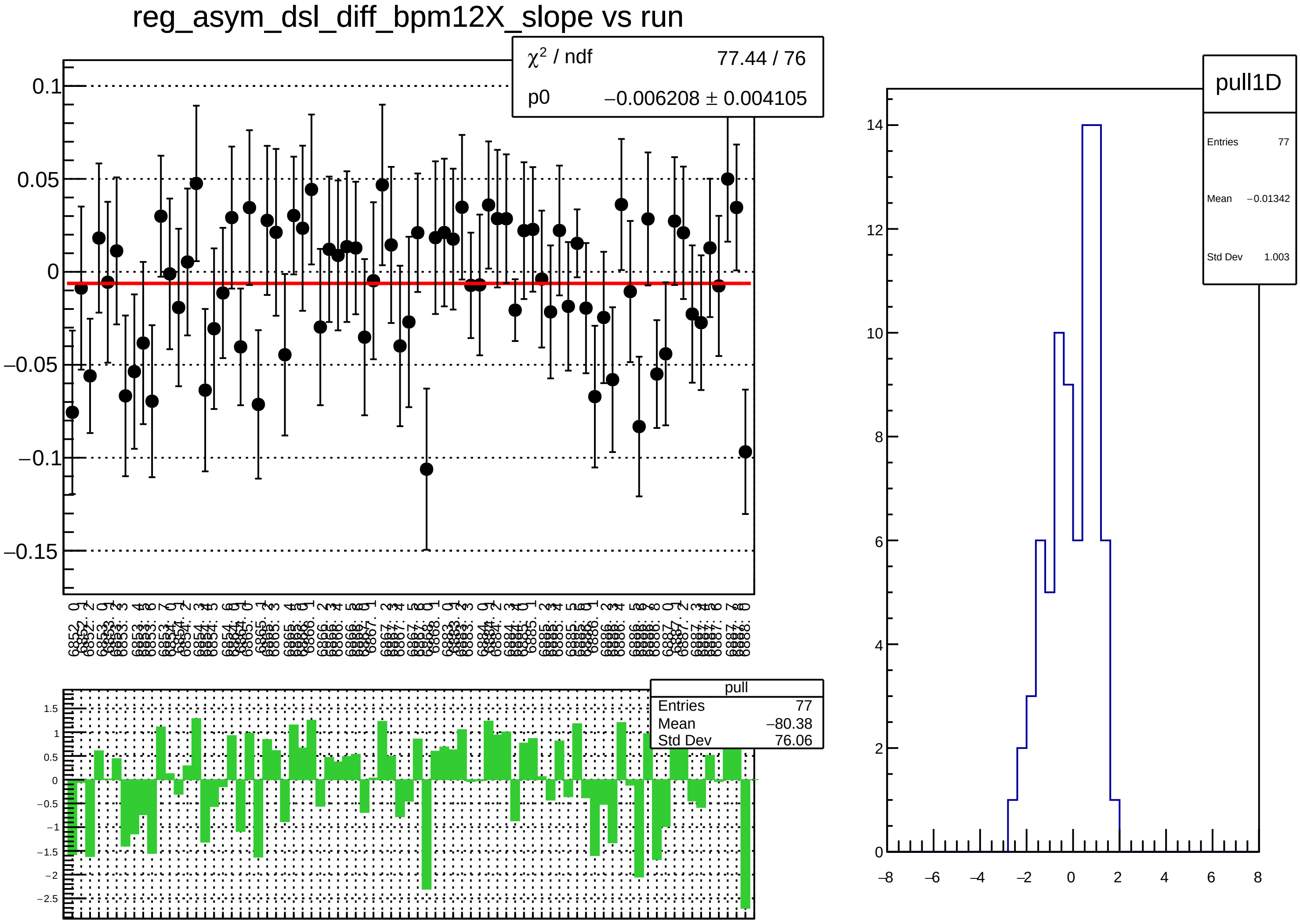
reg_asym_dsl_diff_bpm4aY_slope vs run
χ2 / ndf 87.74 / 76
p0 −0.1059 ± 0.05649
pull
Entries 77
Mean −375.4
Std Dev 417.1
pull1D
Entries 77
Mean 0.004203
Std Dev 1.067



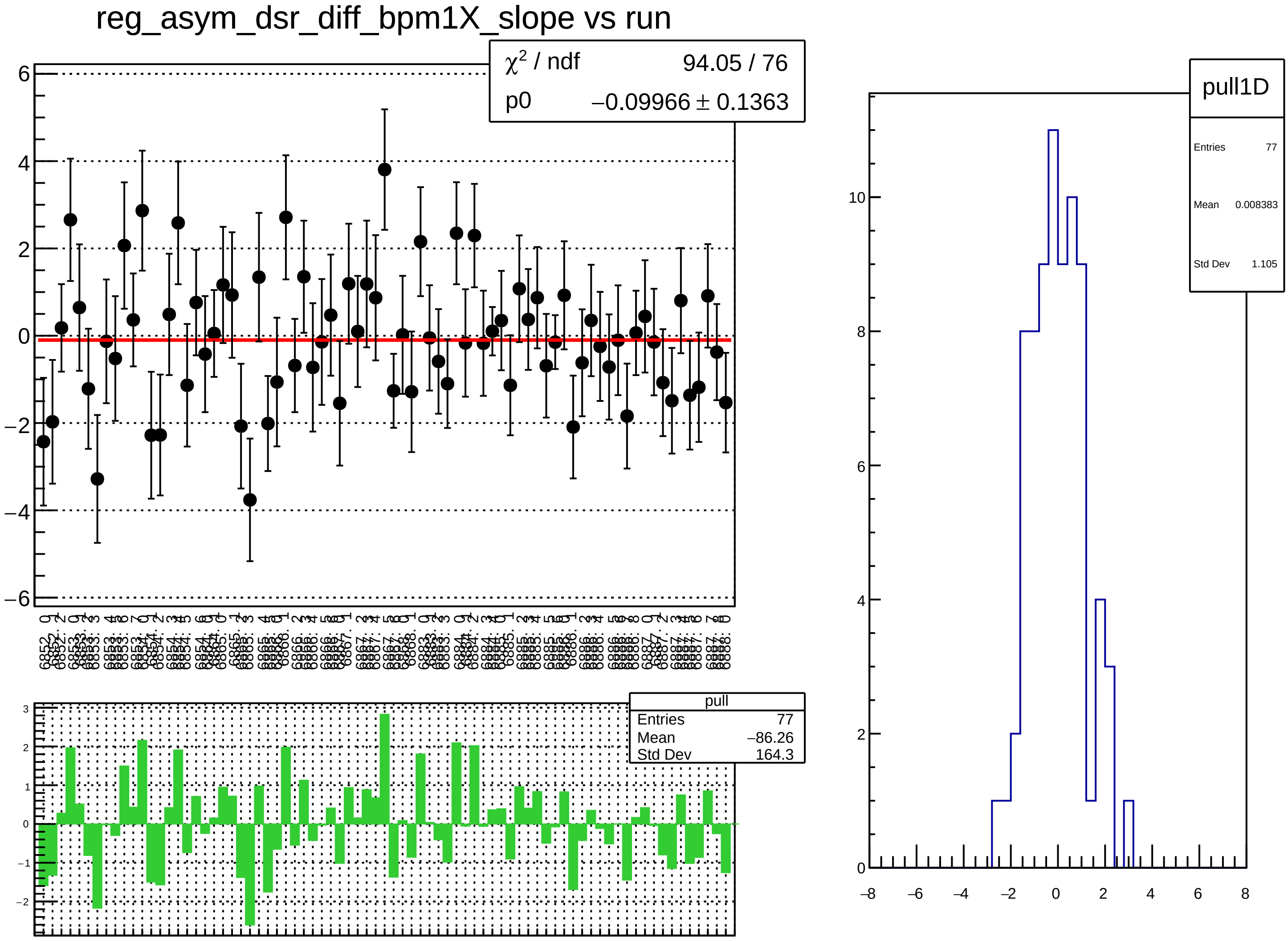
reg_asym_dsl_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 80.71 / 76
p0 0.07296 ± 0.09527
pull
Entries 77
Mean −838.2
Std Dev 853.2
pull1D
Entries 77
Mean 0.001074
Std Dev 1.024



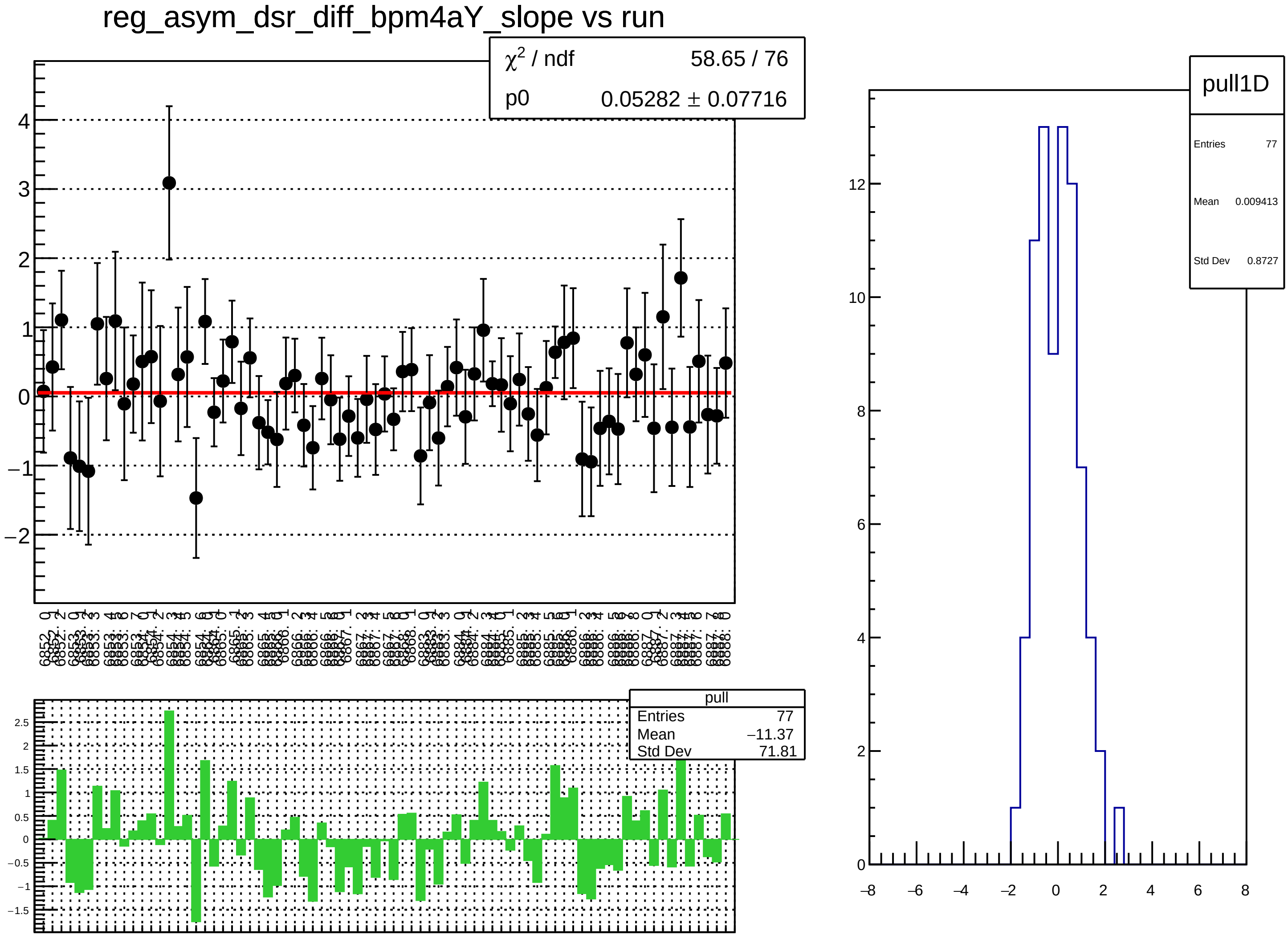
reg_asym_dsl_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 91.4 / 76
p0 0.1524 ± 0.07365
pull
Entries 77
Mean −1.068e+04
Std Dev 1.072e+04
pull1D
Entries 77
Mean −0.0001665
Std Dev 1.089



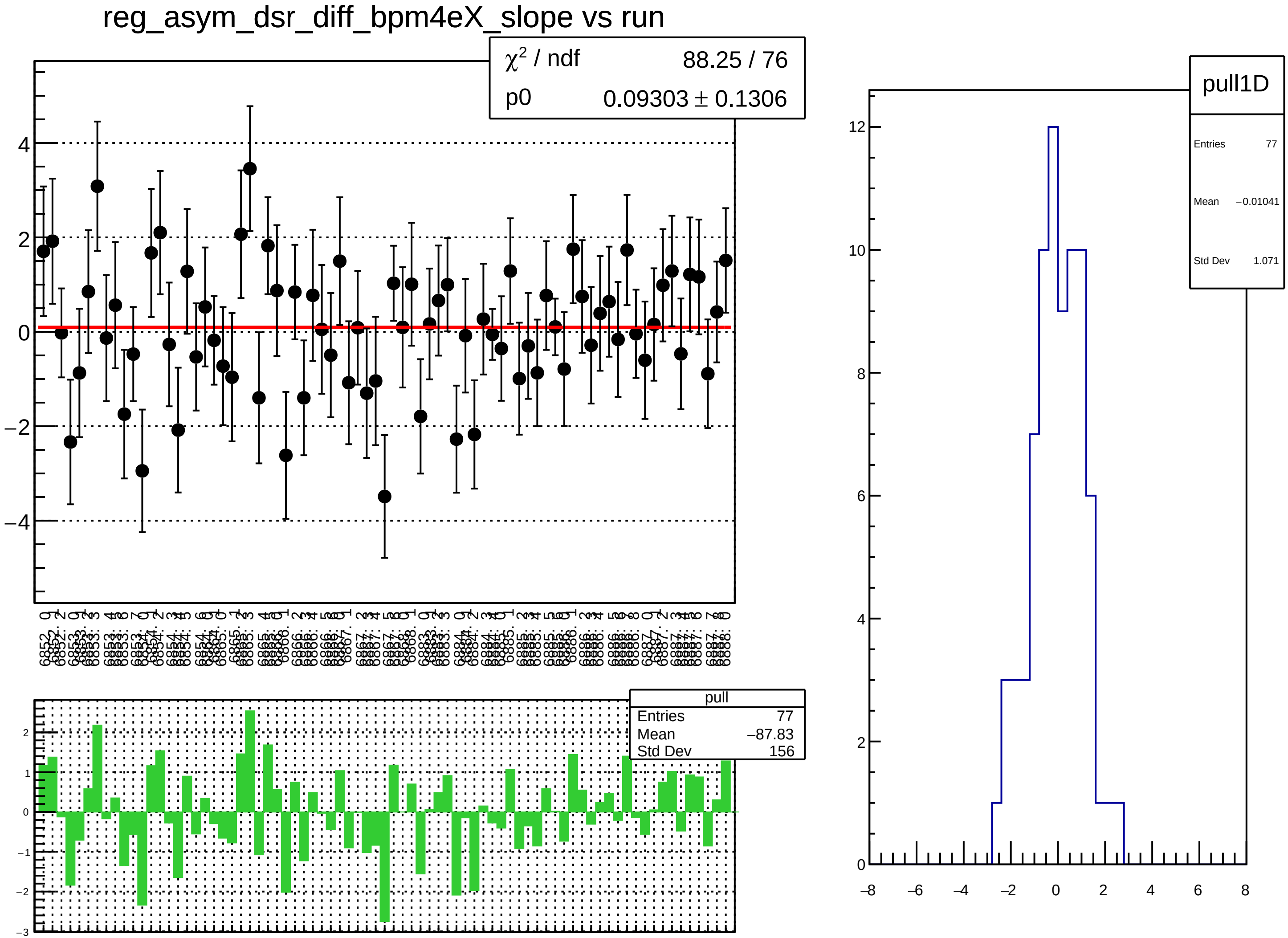
reg_asym_dsl_diff_bpm12X_slope vs run
$\chi^2$ / ndf 77.44 / 76
p0 −0.006208 ± 0.004105
pull
Entries 77
Mean −80.38
Std Dev 76.06
pull1D
Entries 77
Mean −0.01342
Std Dev 1.003



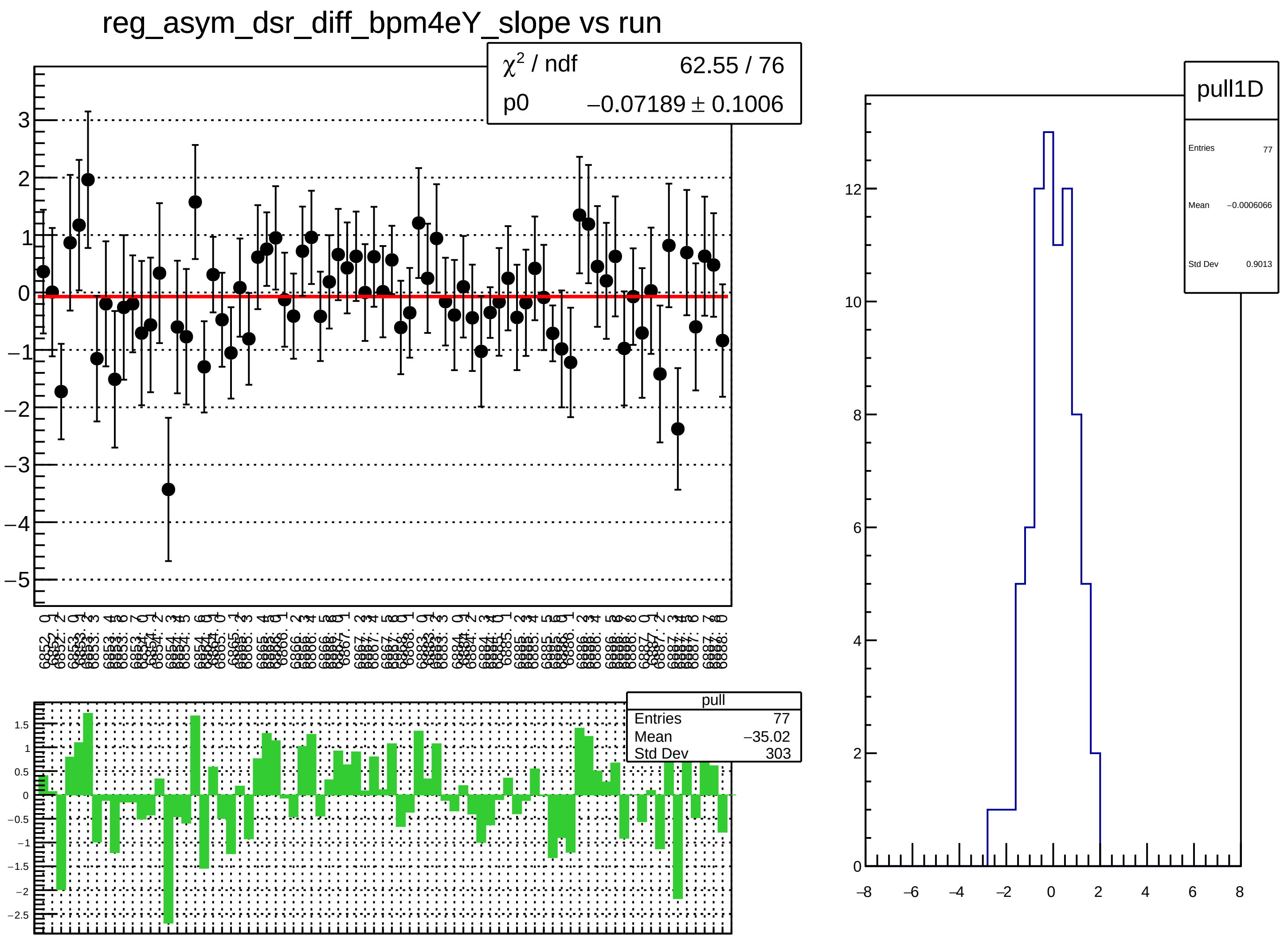
reg_asym_dsr_diff_bpm1X_slope vs run
$\chi^2$ / ndf 94.05 / 76
p0 −0.09966 ± 0.1363
pull
Entries 77
Mean −86.26
Std Dev 164.3
pull1D
Entries 77
Mean 0.008383
Std Dev 1.105



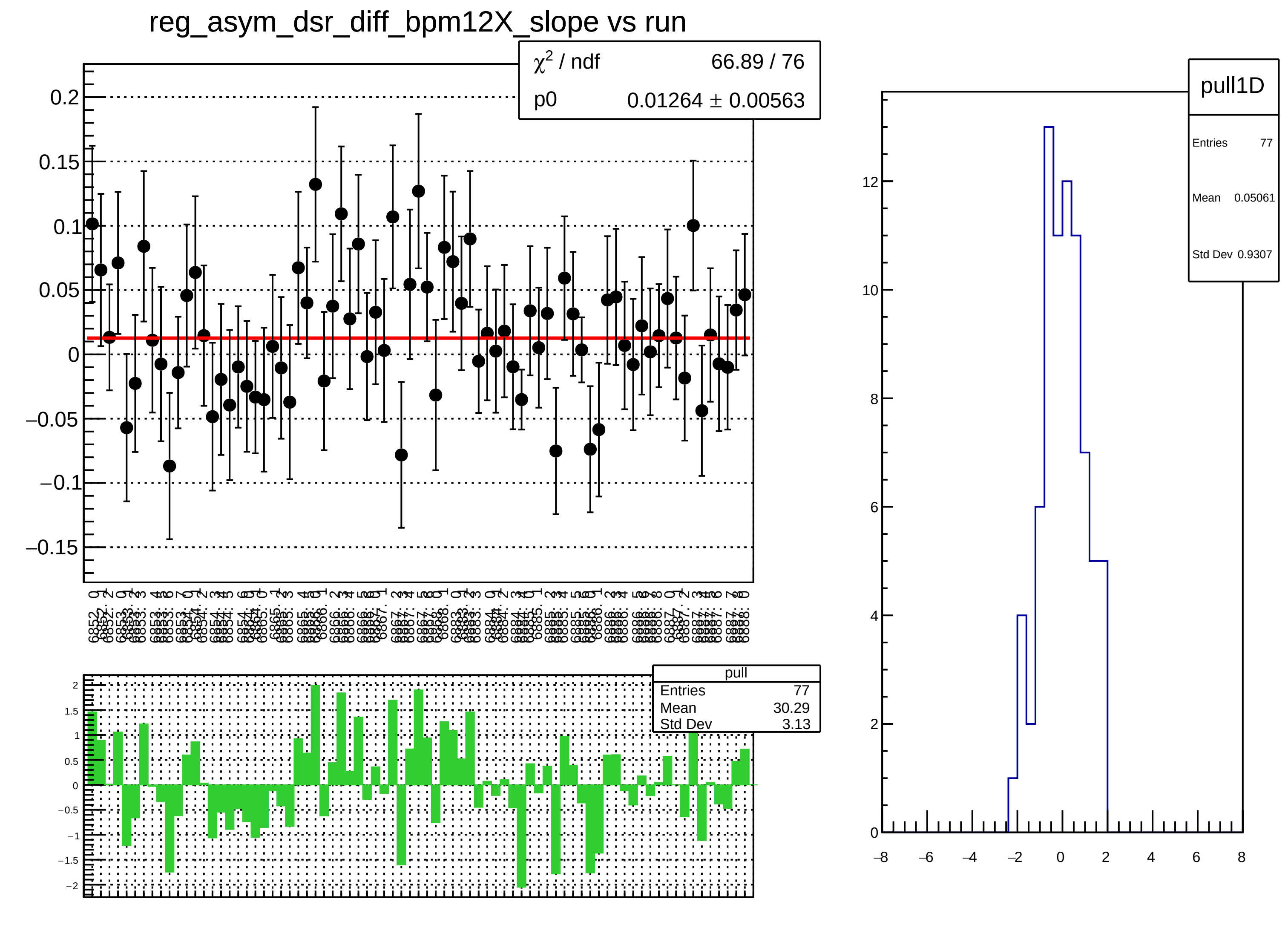
reg_asym_dsr_diff_bpm4aY_slope vs run
χ2 / ndf 58.65 / 76
p0 0.05282 ± 0.07716
pull
Entries 77
Mean −11.37
Std Dev 71.81
pull1D
Entries 77
Mean 0.009413
Std Dev 0.8727



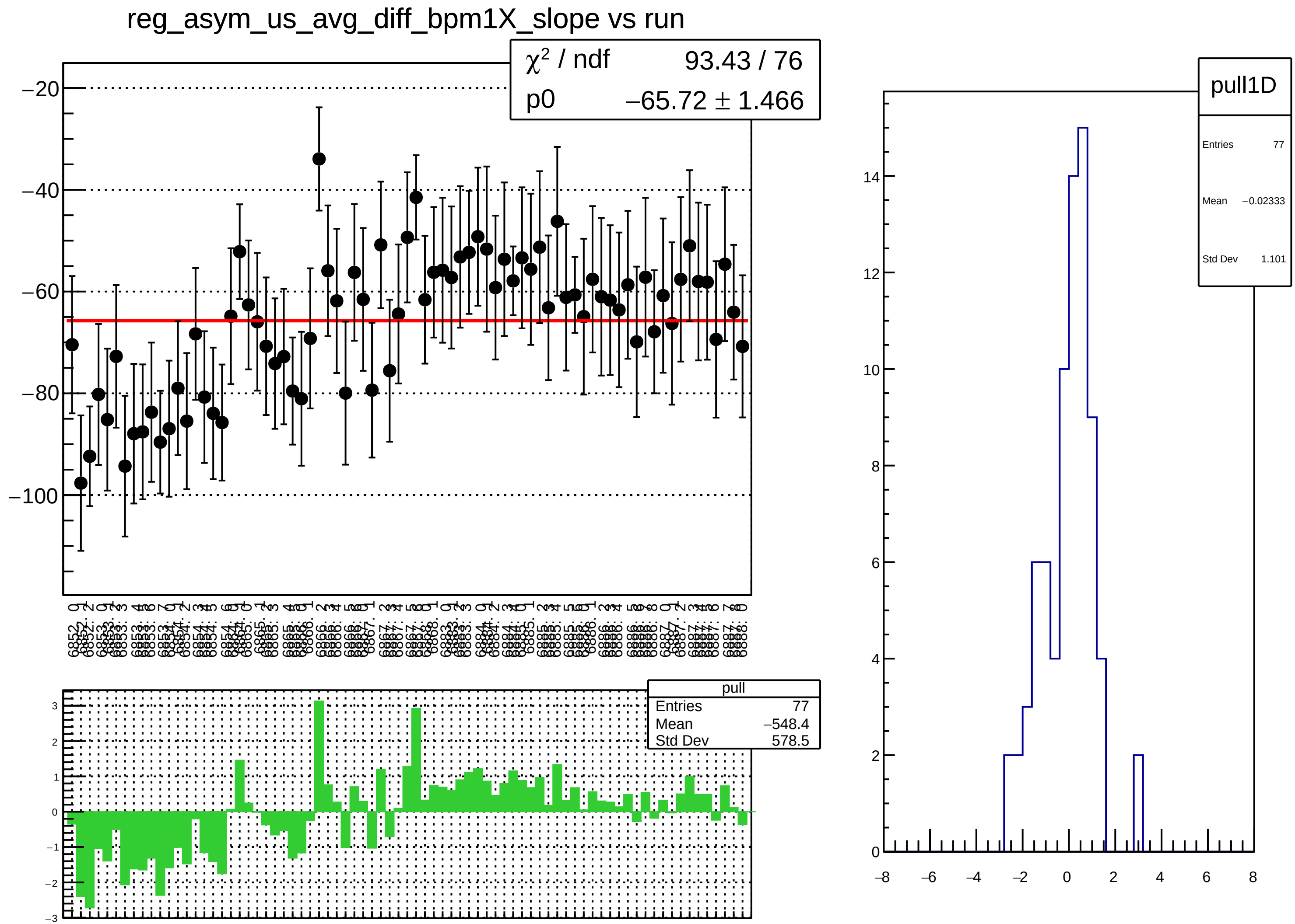
reg_asym_dsr_diff_bpm4eX_slope vs run
χ2 / ndf 88.25 / 76
p0 0.09303 ± 0.1306
pull
Entries 77
Mean −87.83
Std Dev 156
pull1D
Entries 77
Mean −0.01041
Std Dev 1.071

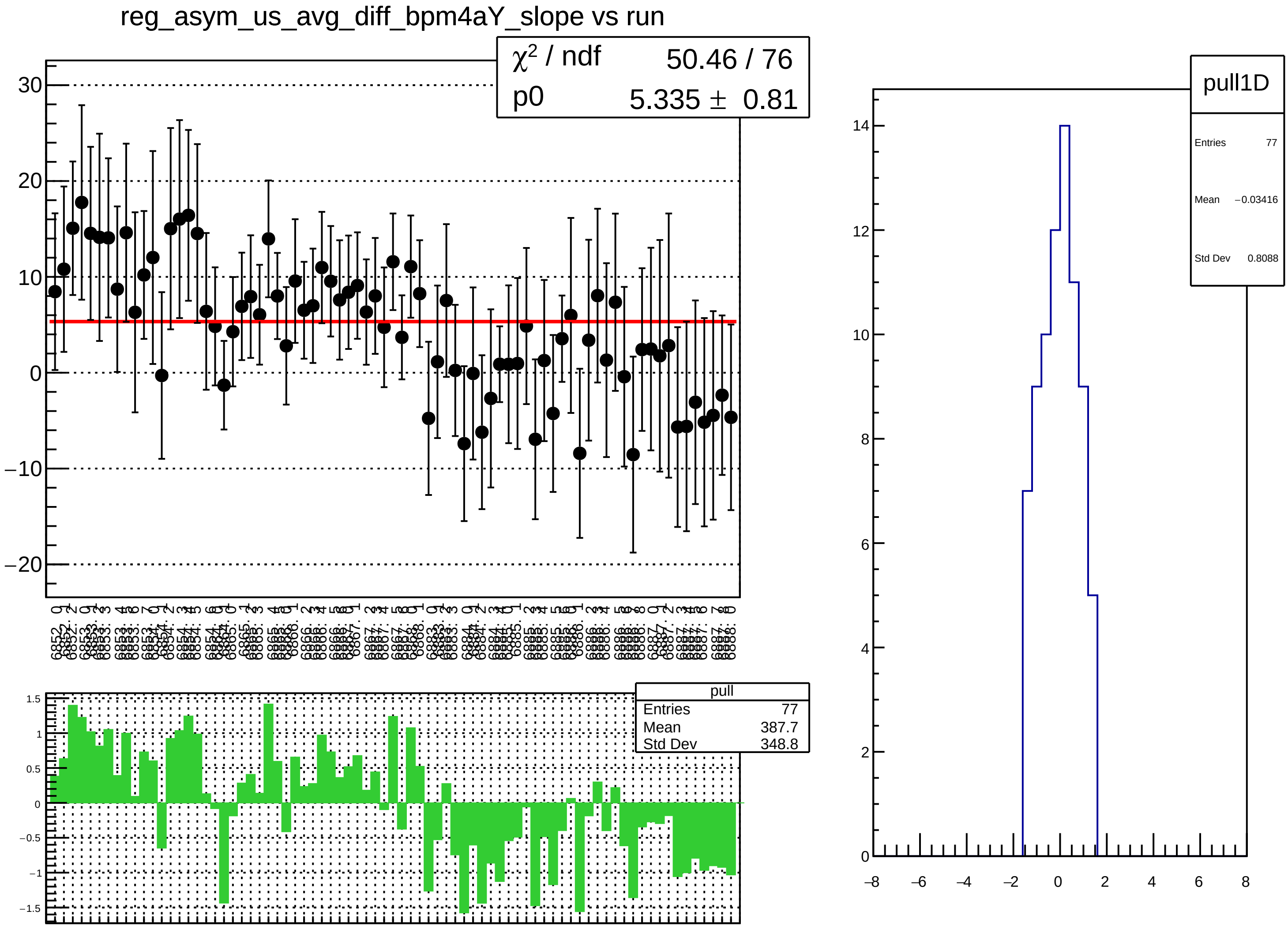


reg_asym_dsr_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 62.55 / 76
p0 −0.07189 ± 0.1006
pull
Entries 77
Mean −35.02
Std Dev 303
pull1D
Entries 77
Mean −0.0006066
Std Dev 0.9013

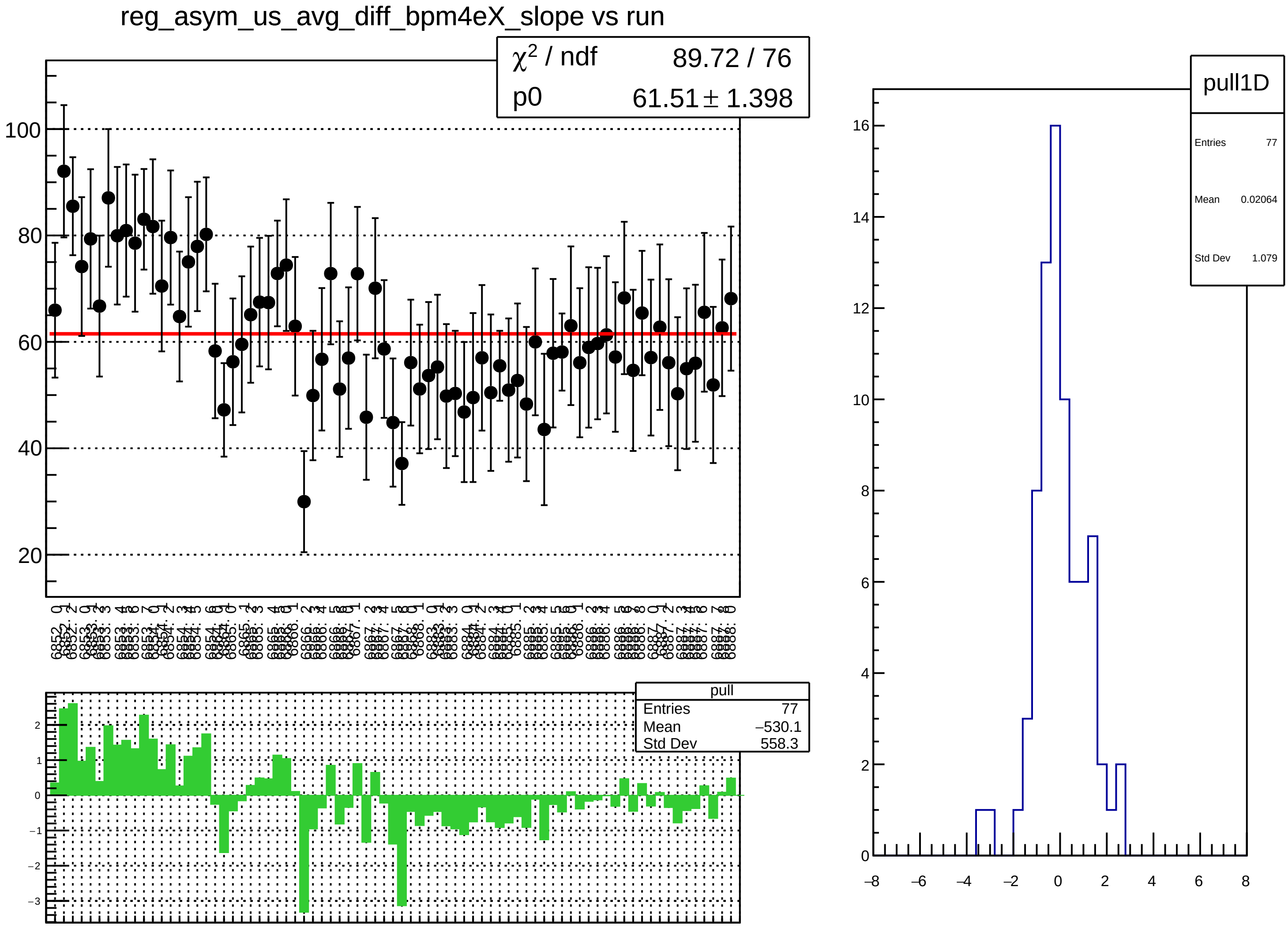


reg_asym_dsr_diff_bpm12X_slope vs run
$\chi^2$ / ndf 66.89 / 76
p0 0.01264 ± 0.00563
pull
Entries 77
Mean 30.29
Std Dev 3.13
pull1D
Entries 77
Mean 0.05061
Std Dev 0.9307

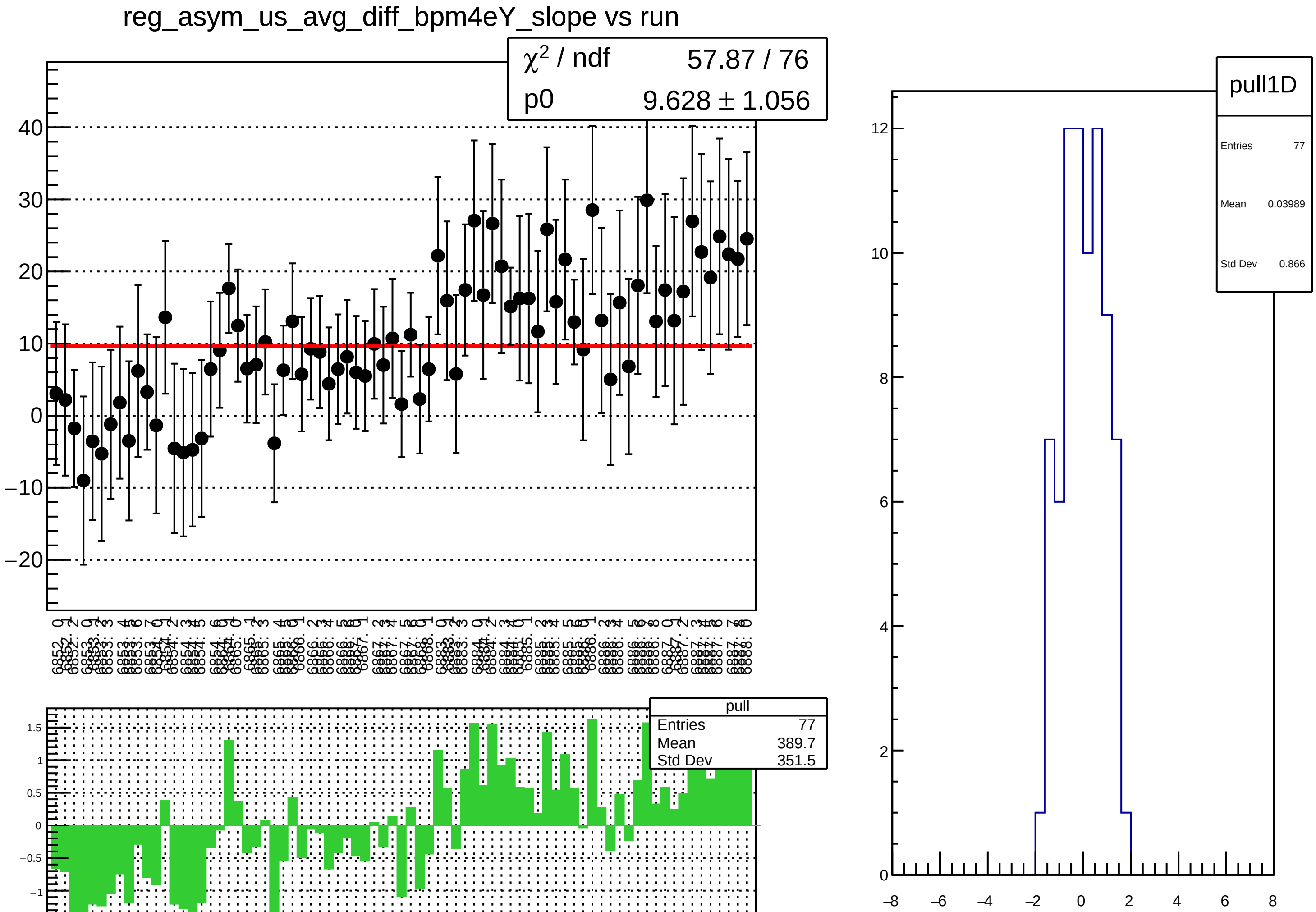

reg_asym_us_avg_diff_bpm1X_slope vs run
χ2 / ndf 93.43 / 76
p0 −65.72 ± 1.466
pull
Entries 77
Mean −548.4
Std Dev 578.5
pull1D
Entries 77
Mean −0.02333
Std Dev 1.101



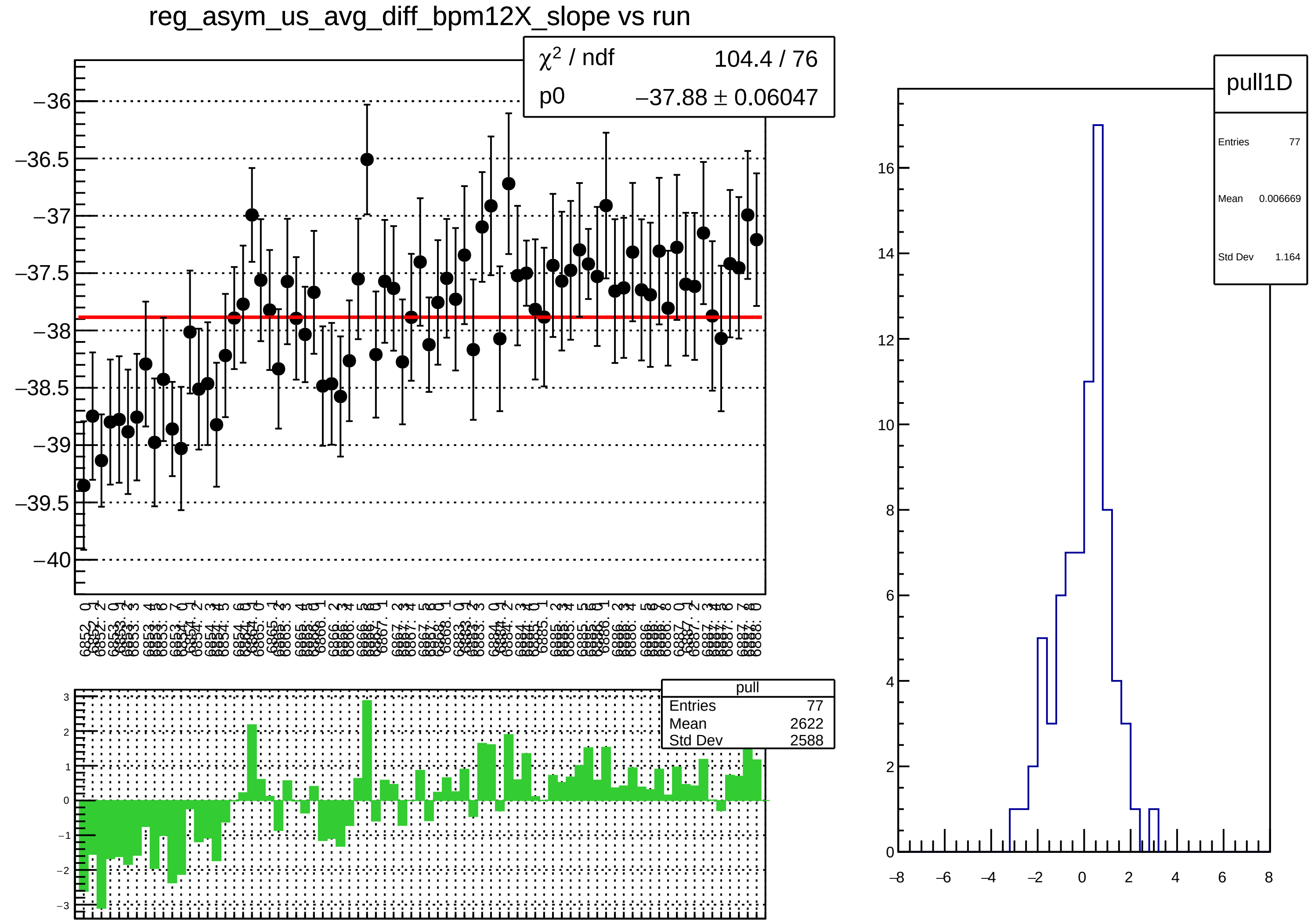
reg_asym_us_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 50.46 / 76
p0 5.335 ± 0.81
pull
Entries 77
Mean 387.7
Std Dev 348.8
pull1D
Entries 77
Mean −0.03416
Std Dev 0.8088



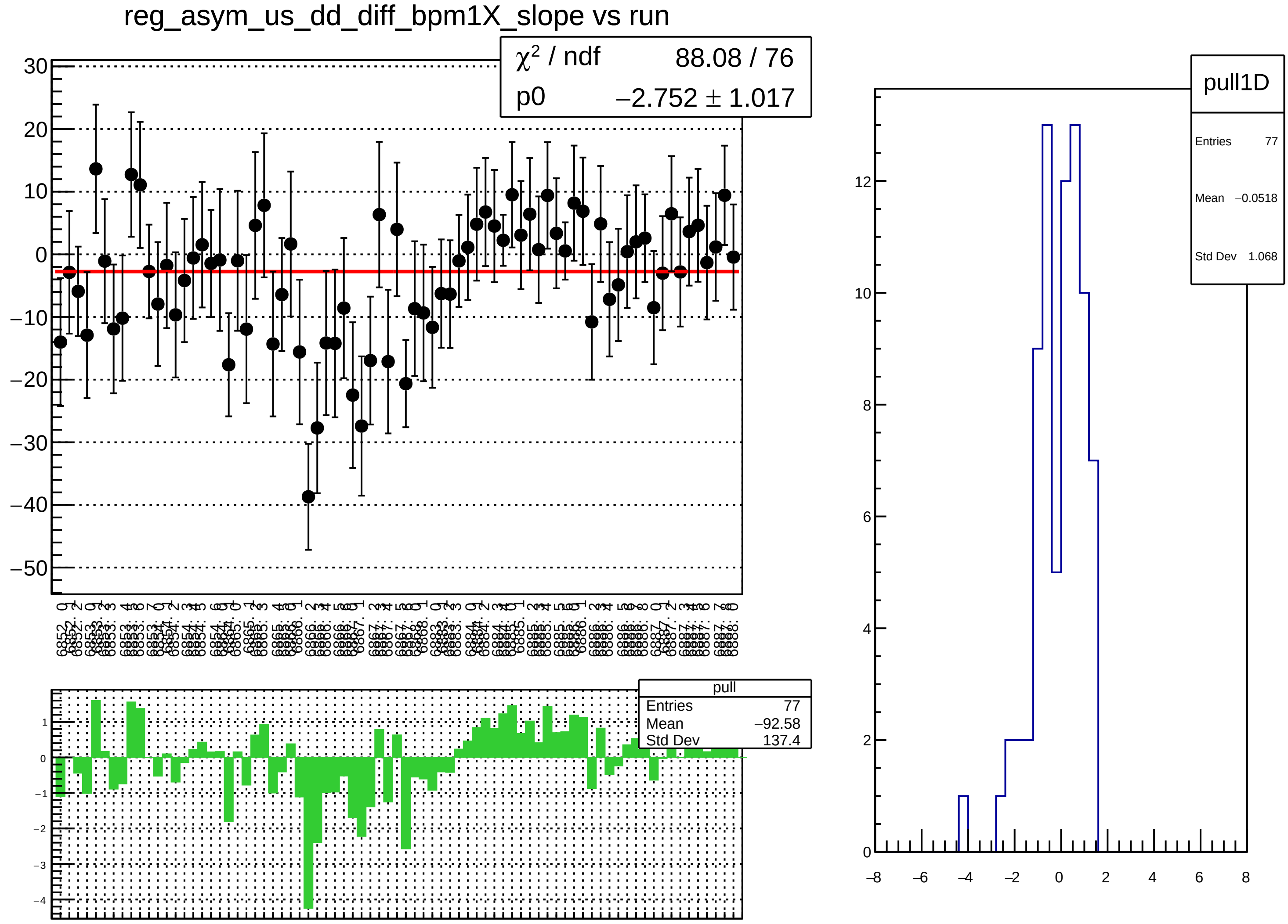
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.72 / 76
p0 61.51 ± 1.398
pull
Entries 77
Mean −530.1
Std Dev 558.3
pull1D
Entries 77
Mean 0.02064
Std Dev 1.079



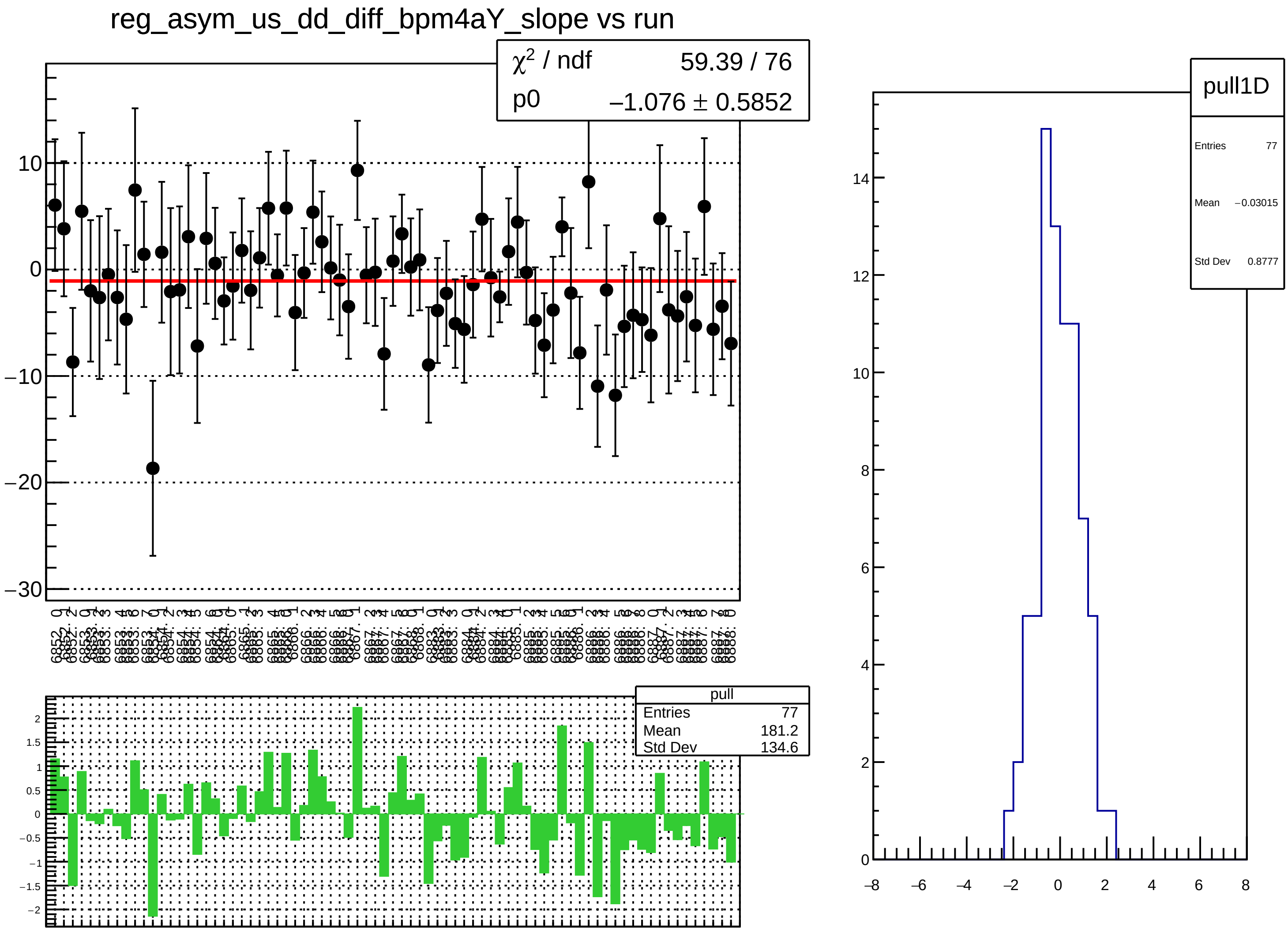
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ2 / ndf 57.87 / 76
p0 9.628 ± 1.056
40
30
20
10
0
−10
−20
pull
Entries 77
Mean 389.7
Std Dev 351.5
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 77
Mean 0.03989
Std Dev 0.866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



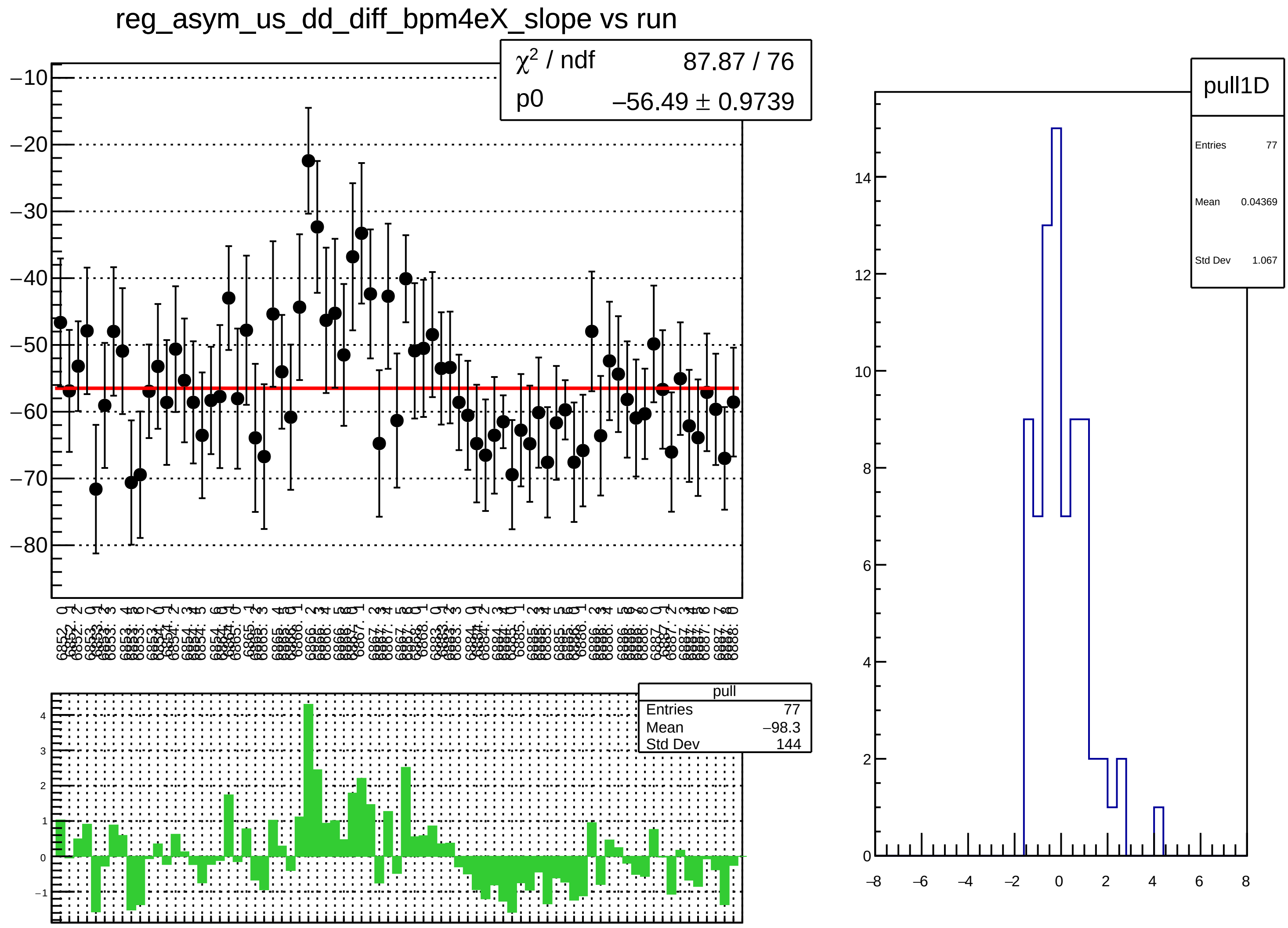
reg_asym_us_avg_diff_bpm12X_slope vs run
χ2 / ndf 104.4 / 76
p0 −37.88 ± 0.06047
pull
Entries 77
Mean 2622
Std Dev 2588
pull1D
Entries 77
Mean 0.006669
Std Dev 1.164



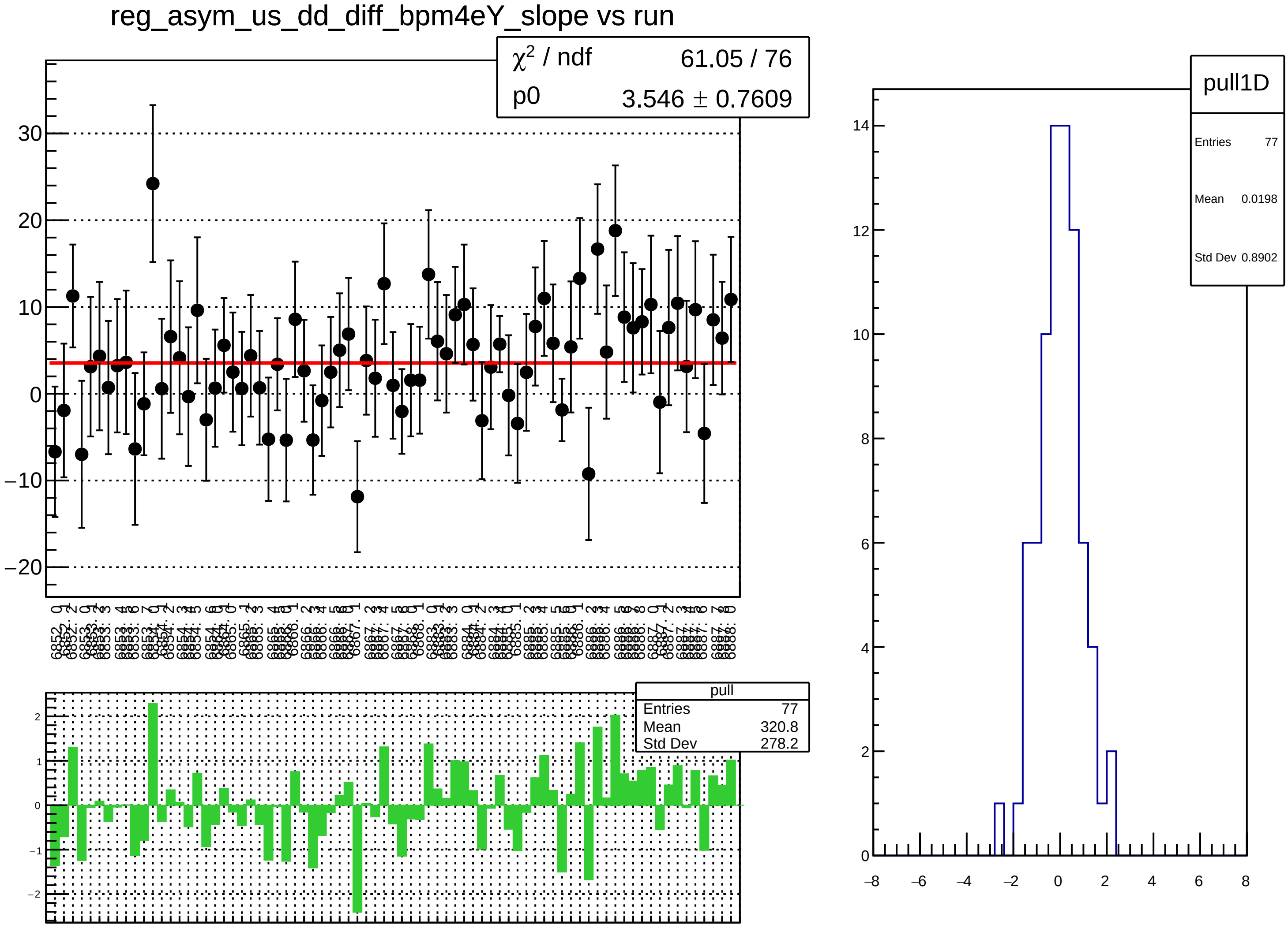
reg_asym_us_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 88.08 / 76
p0 −2.752 ± 1.017
pull
Entries 77
Mean −92.58
Std Dev 137.4
pull1D
Entries 77
Mean −0.0518
Std Dev 1.068



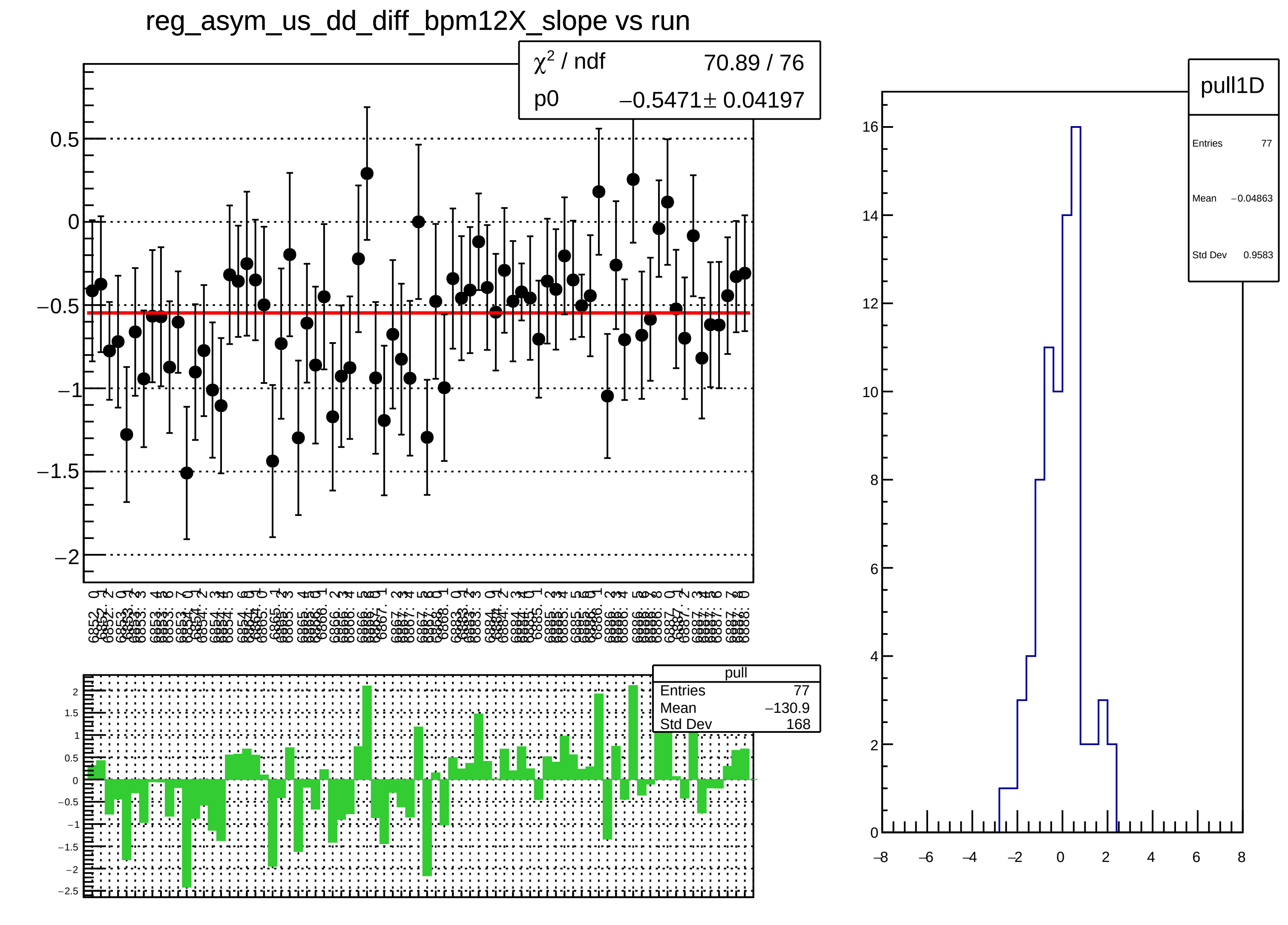
reg_asym_us_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 59.39 / 76
p0 −1.076 ± 0.5852
pull
Entries 77
Mean 181.2
Std Dev 134.6
pull1D
Entries 77
Mean −0.03015
Std Dev 0.8777



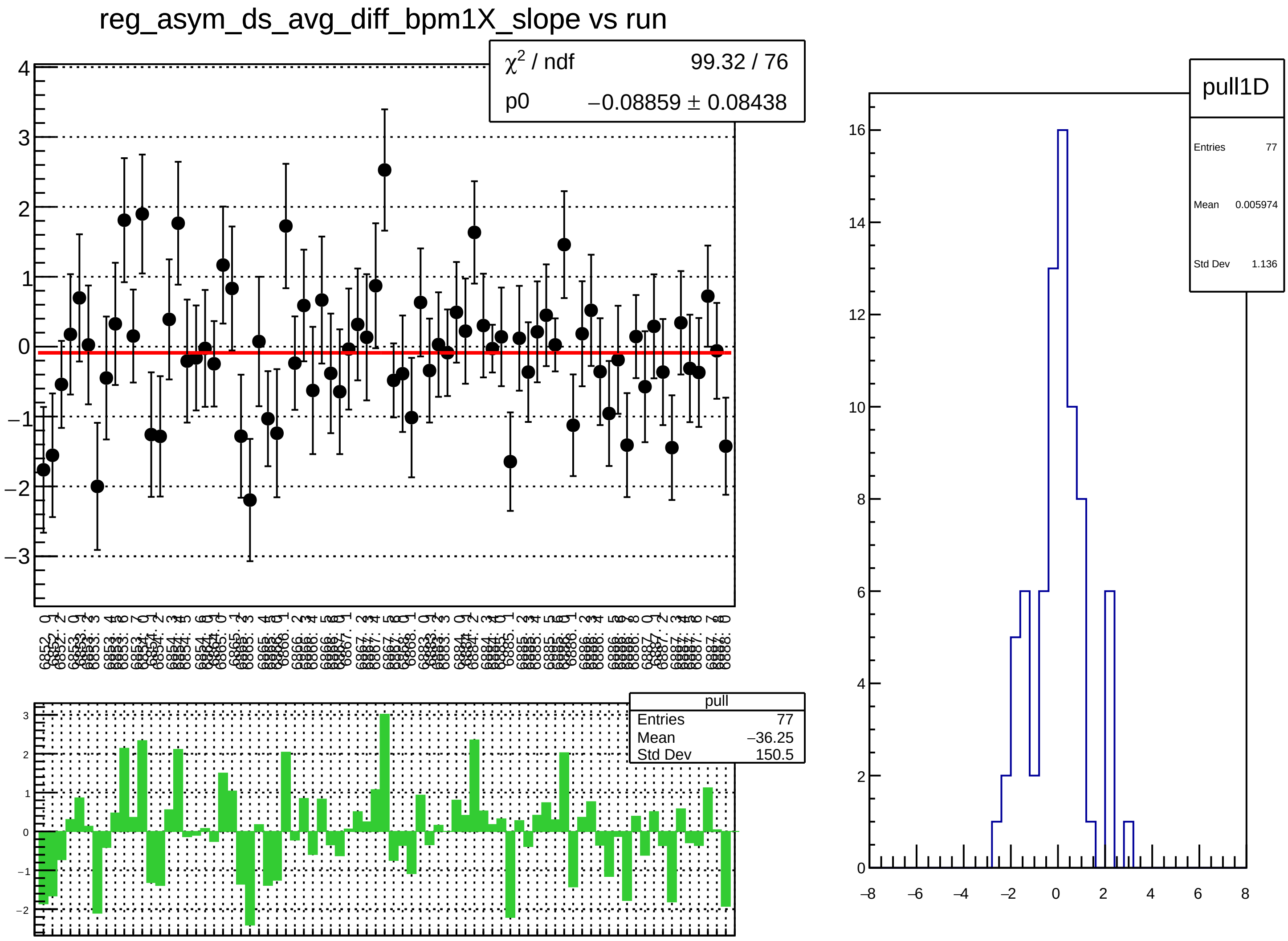
reg_asym_us_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 87.87 / 76
p0 −56.49 ± 0.9739
pull
Entries 77
Mean −98.3
Std Dev 144
pull1D
Entries 77
Mean 0.04369
Std Dev 1.067



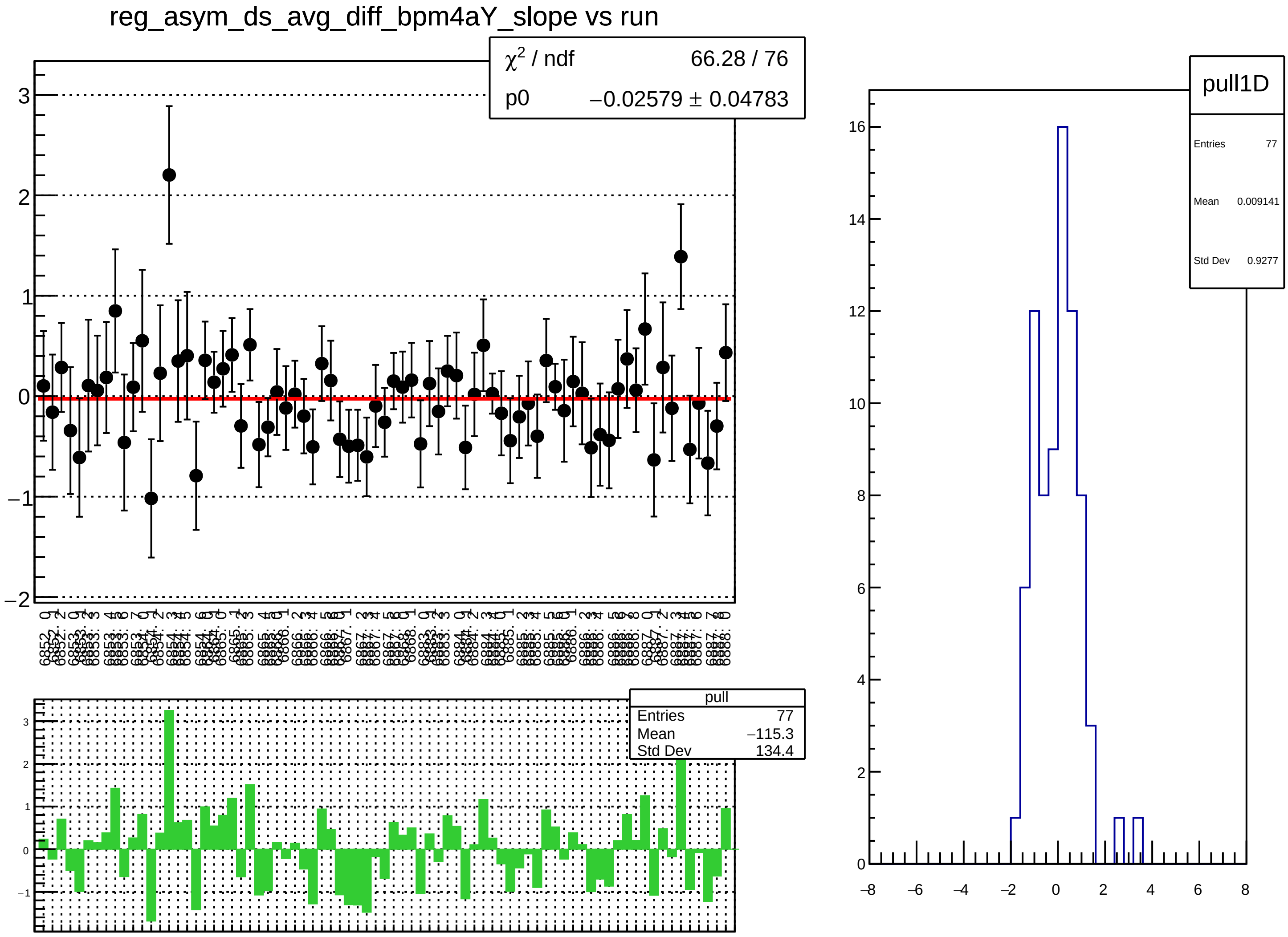
reg_asym_us_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 61.05 / 76
p0 3.546 ± 0.7609
pull
Entries 77
Mean 320.8
Std Dev 278.2
pull1D
Entries 77
Mean 0.0198
Std Dev 0.8902

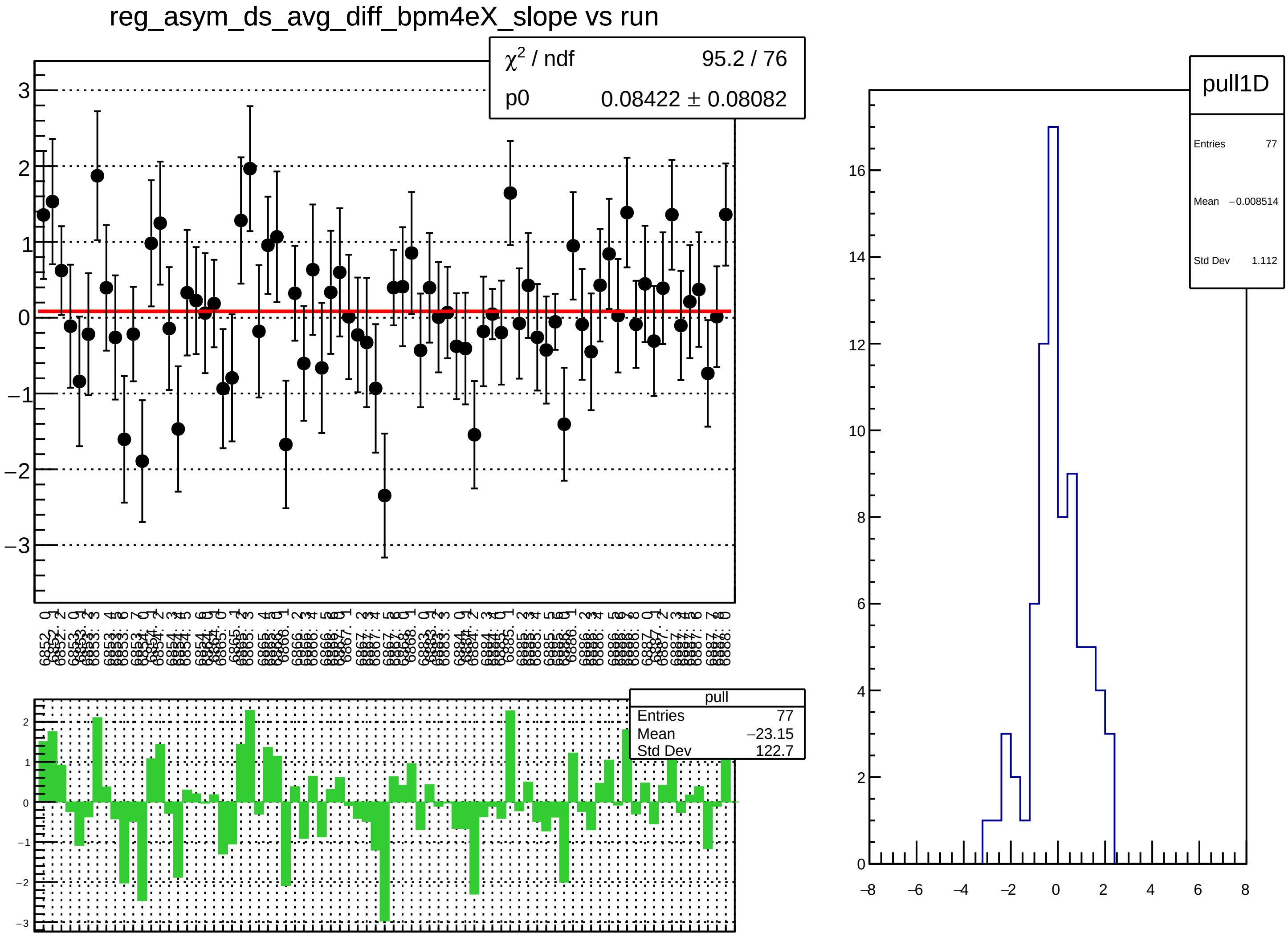


reg_asym_us_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 70.89 / 76
p0 −0.5471 ± 0.04197
pull
Entries 77
Mean −130.9
Std Dev 168
pull1D
Entries 77
Mean −0.04863
Std Dev 0.9583

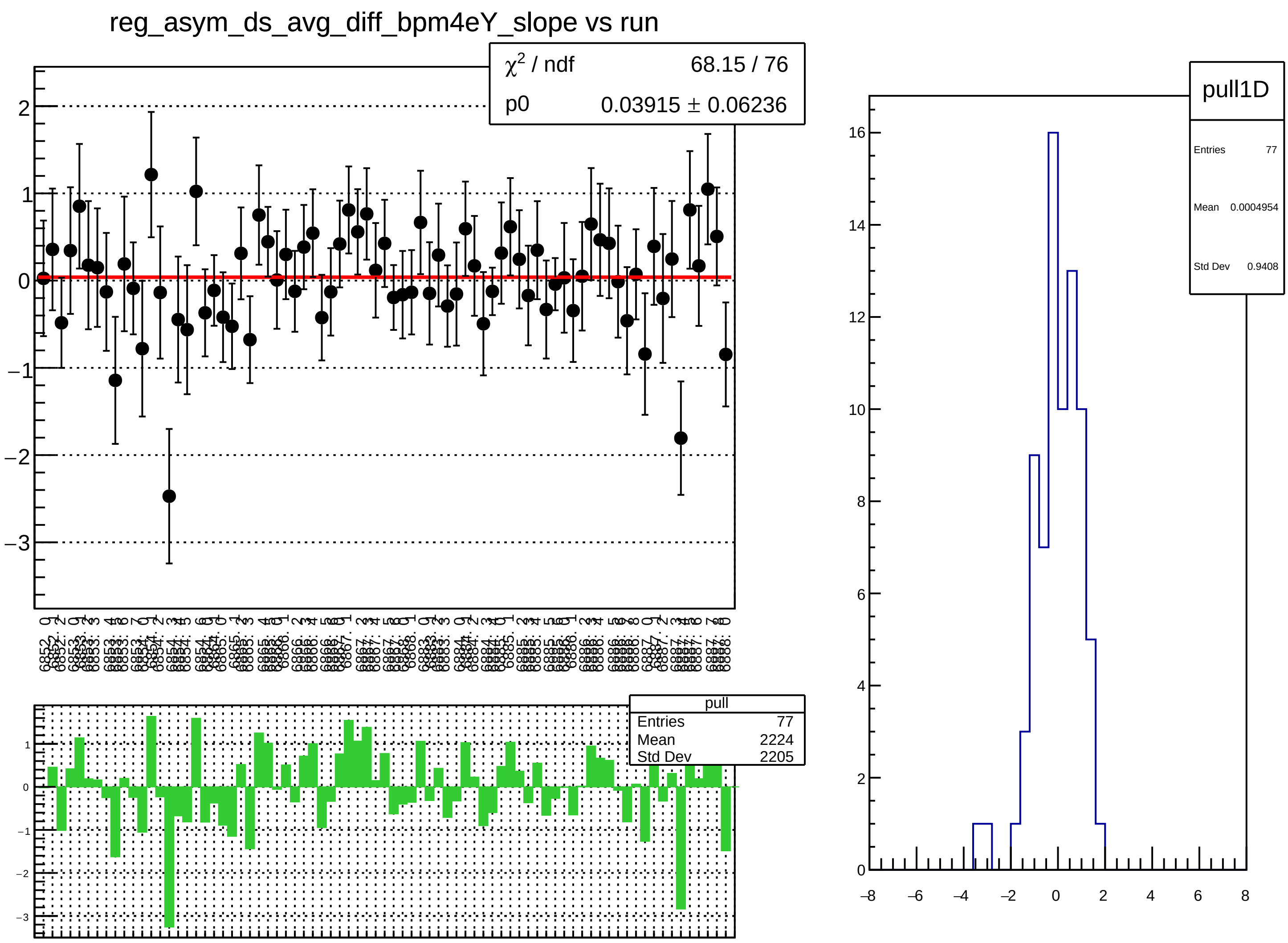


reg_asym_ds_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 99.32 / 76
p0 −0.08859 ± 0.08438
pull
Entries 77
Mean −36.25
Std Dev 150.5
pull1D
Entries 77
Mean 0.005974
Std Dev 1.136

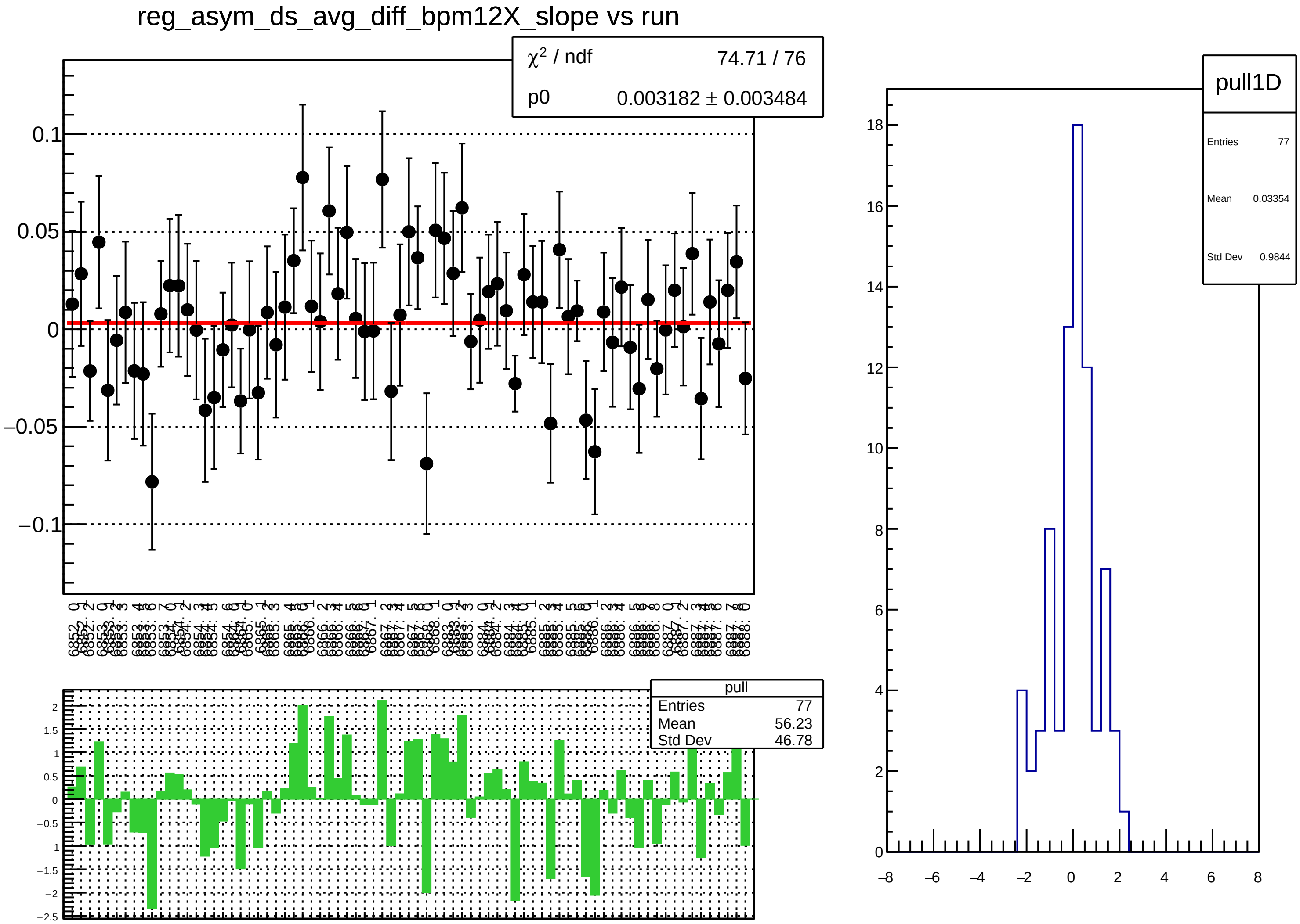

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ2 / ndf 66.28 / 76
p0 −0.02579 ± 0.04783
pull
Entries 77
Mean −115.3
Std Dev 134.4
pull1D
Entries 77
Mean 0.009141
Std Dev 0.9277



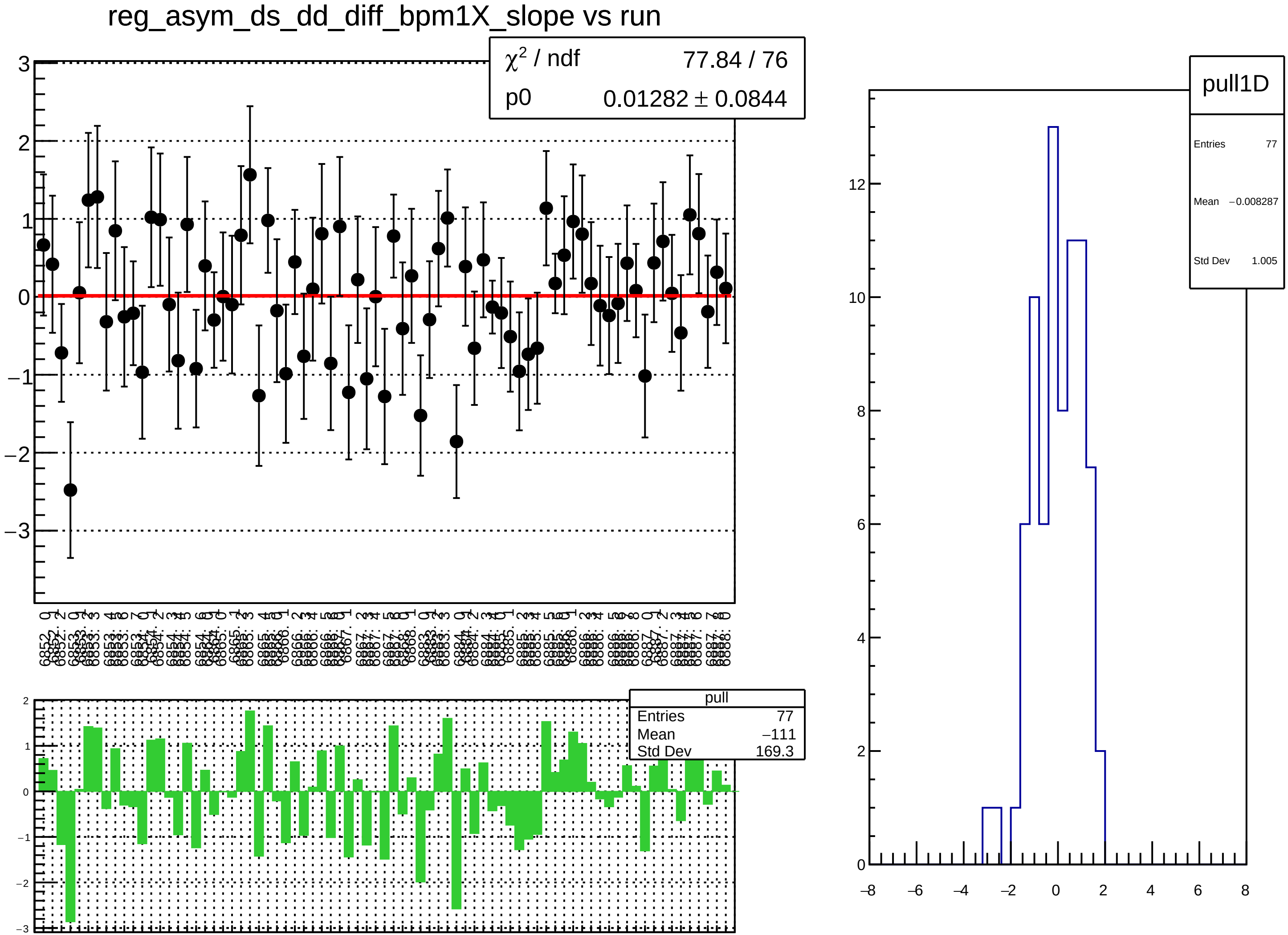
reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 95.2 / 76
p0 0.08422 ± 0.08082
pull
Entries 77
Mean −23.15
Std Dev 122.7
pull1D
Entries 77
Mean −0.008514
Std Dev 1.112



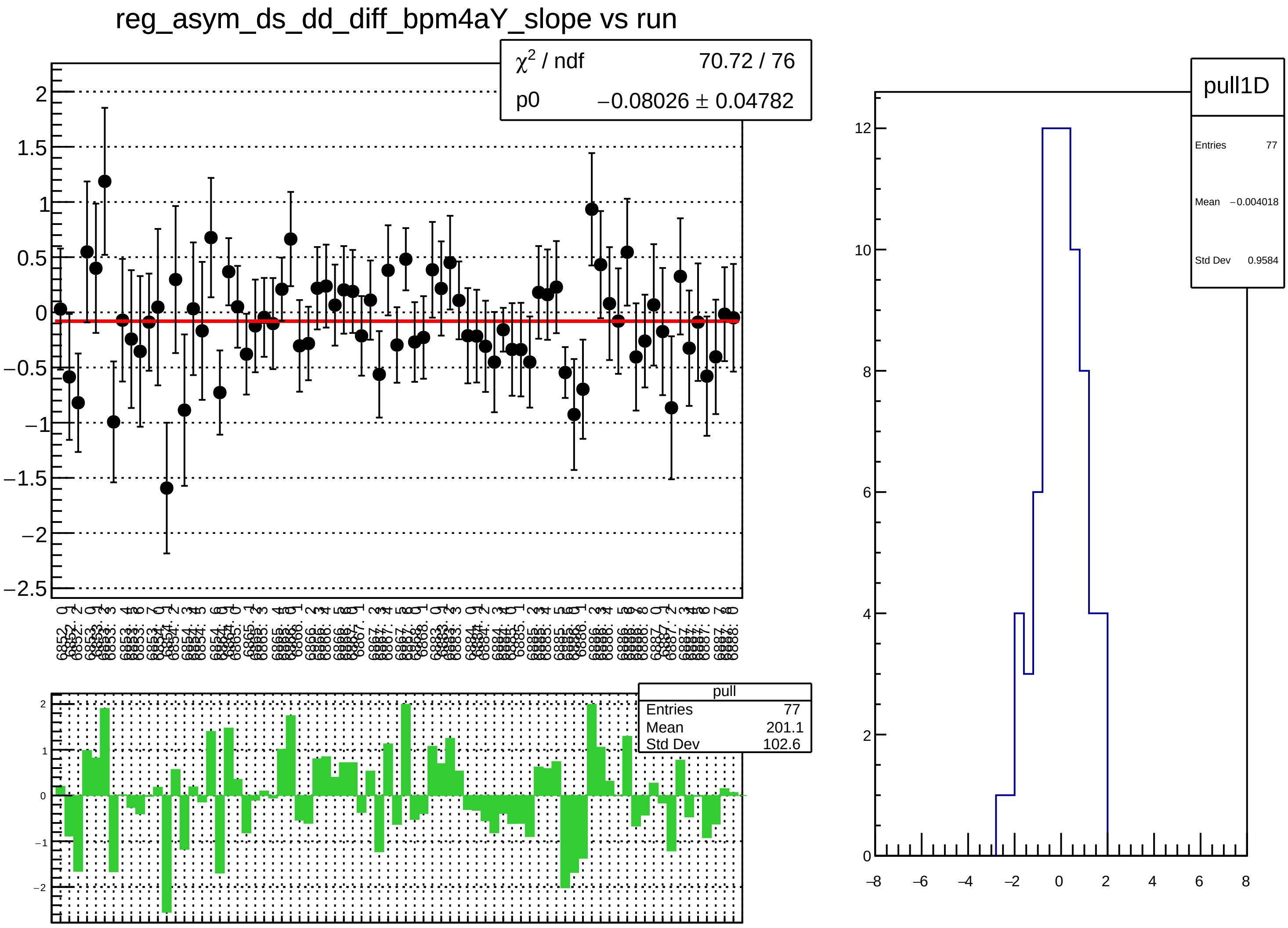
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ2 / ndf 68.15 / 76
p0 0.03915 ± 0.06236
pull
Entries 77
Mean 2224
Std Dev 2205
pull1D
Entries 77
Mean 0.0004954
Std Dev 0.9408



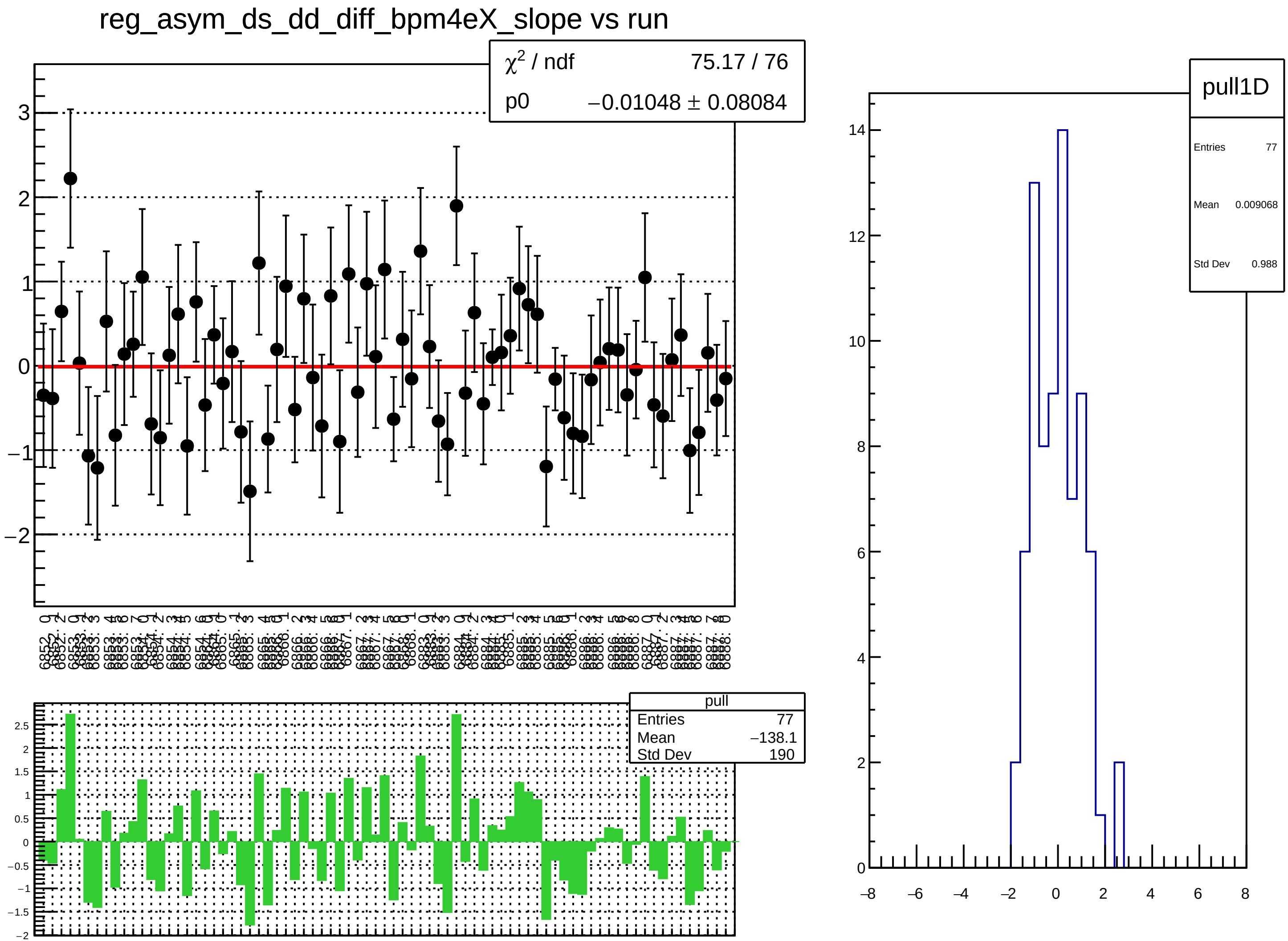
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ2 / ndf 74.71 / 76
p0 0.003182 ± 0.003484
pull
Entries 77
Mean 56.23
Std Dev 46.78
pull1D
Entries 77
Mean 0.03354
Std Dev 0.9844

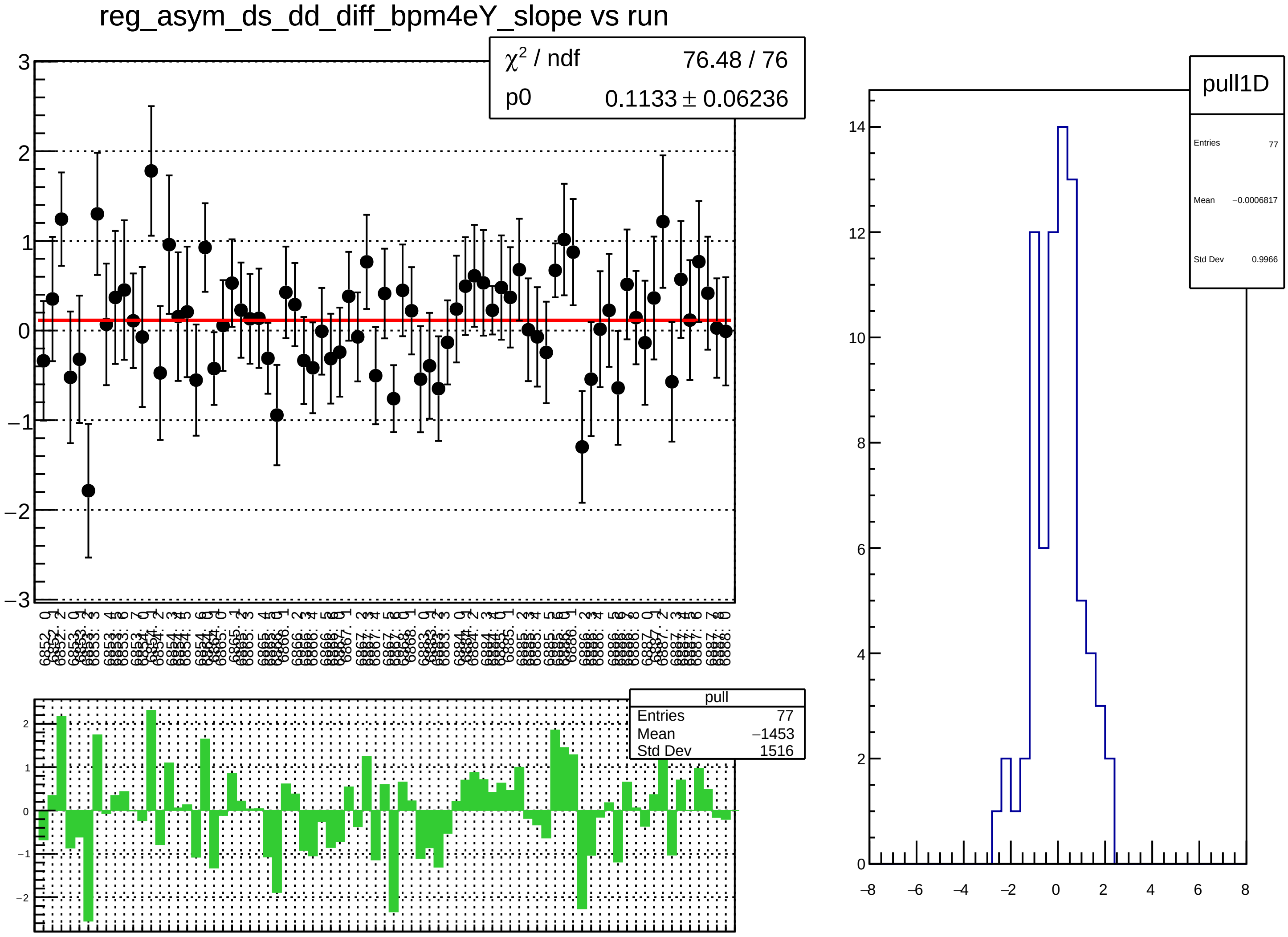


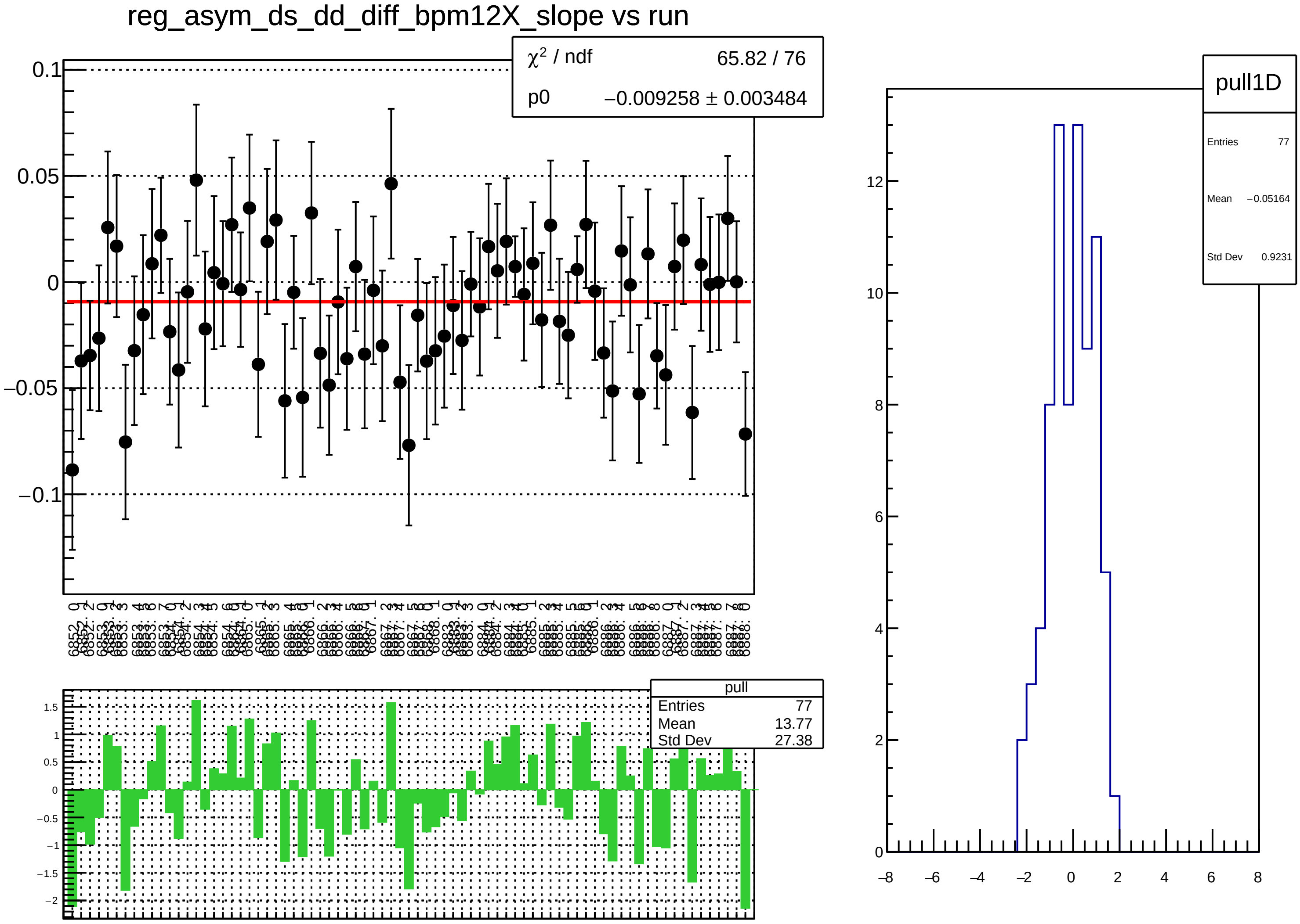
reg_asym_ds_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 77.84 / 76
p0 0.01282 ± 0.0844
pull
Entries 77
Mean −111
Std Dev 169.3
pull1D
Entries 77
Mean −0.008287
Std Dev 1.005



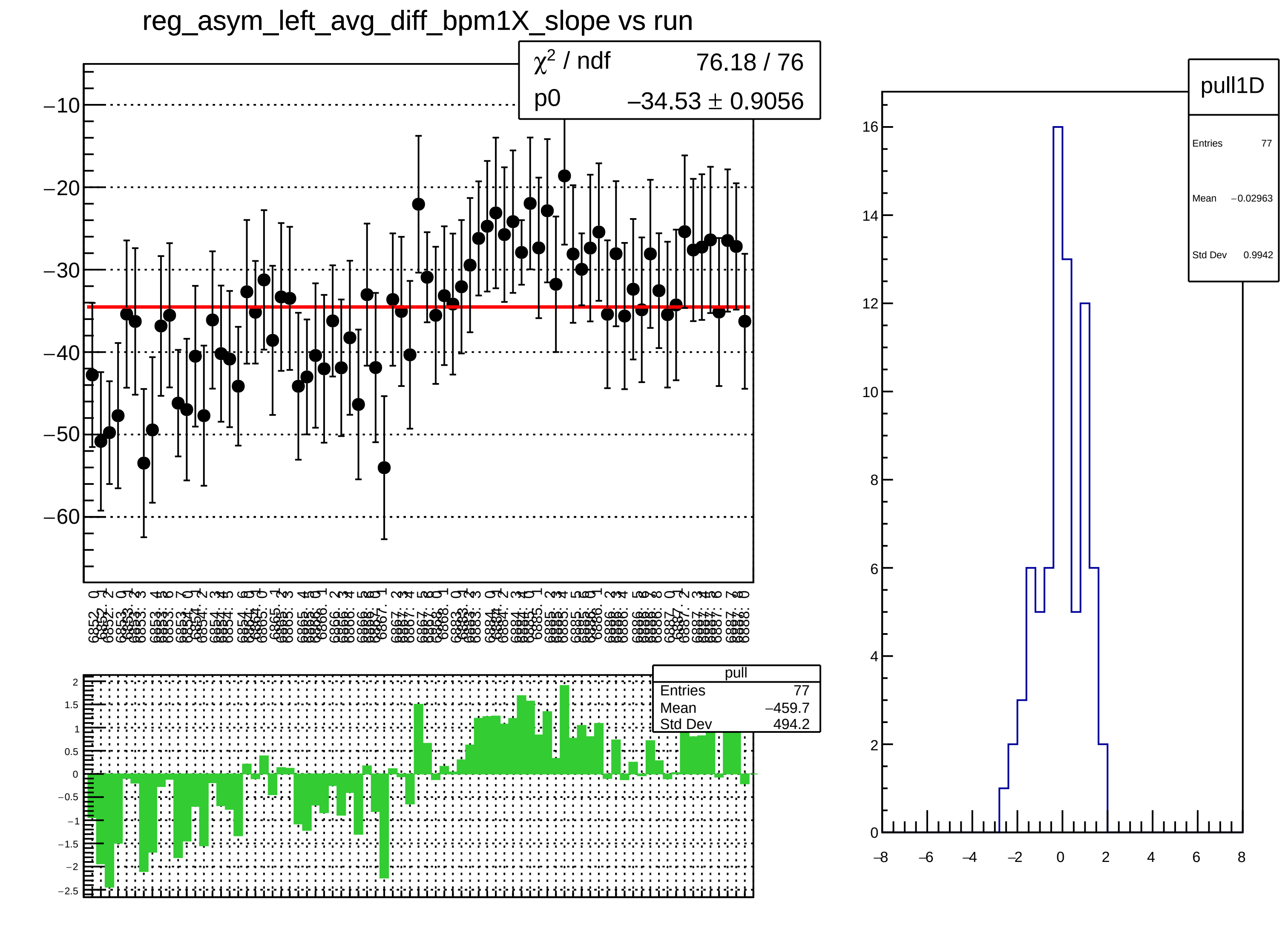
reg_asym_ds_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 70.72 / 76
p0 −0.08026 ± 0.04782
pull
Entries 77
Mean 201.1
Std Dev 102.6
pull1D
Entries 77
Mean −0.004018
Std Dev 0.9584


reg_asym_ds_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 75.17 / 76
p0 −0.01048 ± 0.08084
pull
Entries 77
Mean −138.1
Std Dev 190
pull1D
Entries 77
Mean 0.009068
Std Dev 0.988

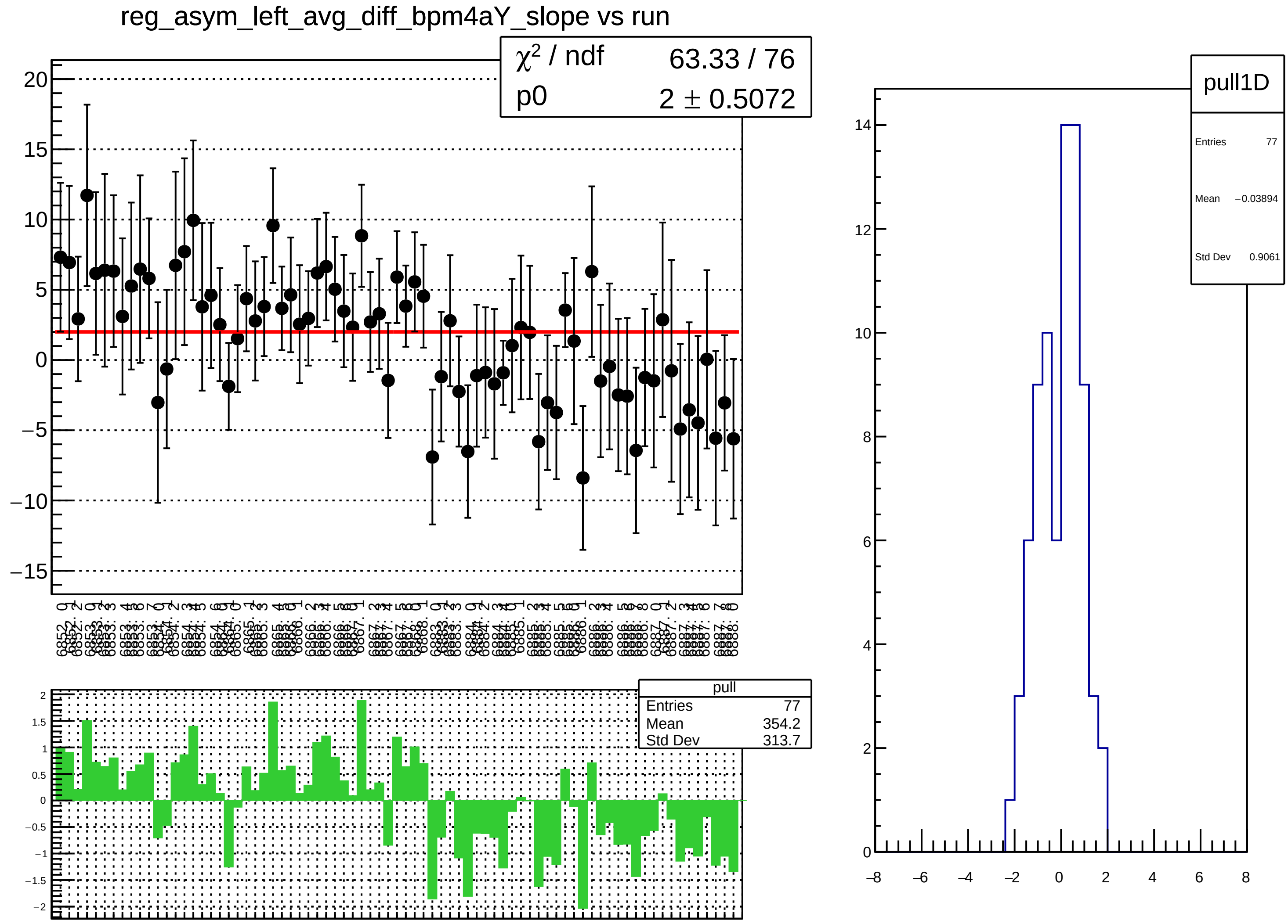

reg_asym_ds_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 76.48 / 76
p0 0.1133 ± 0.06236
pull
Entries 77
Mean −1453
Std Dev 1516
pull1D
Entries 77
Mean −0.0006817
Std Dev 0.9966



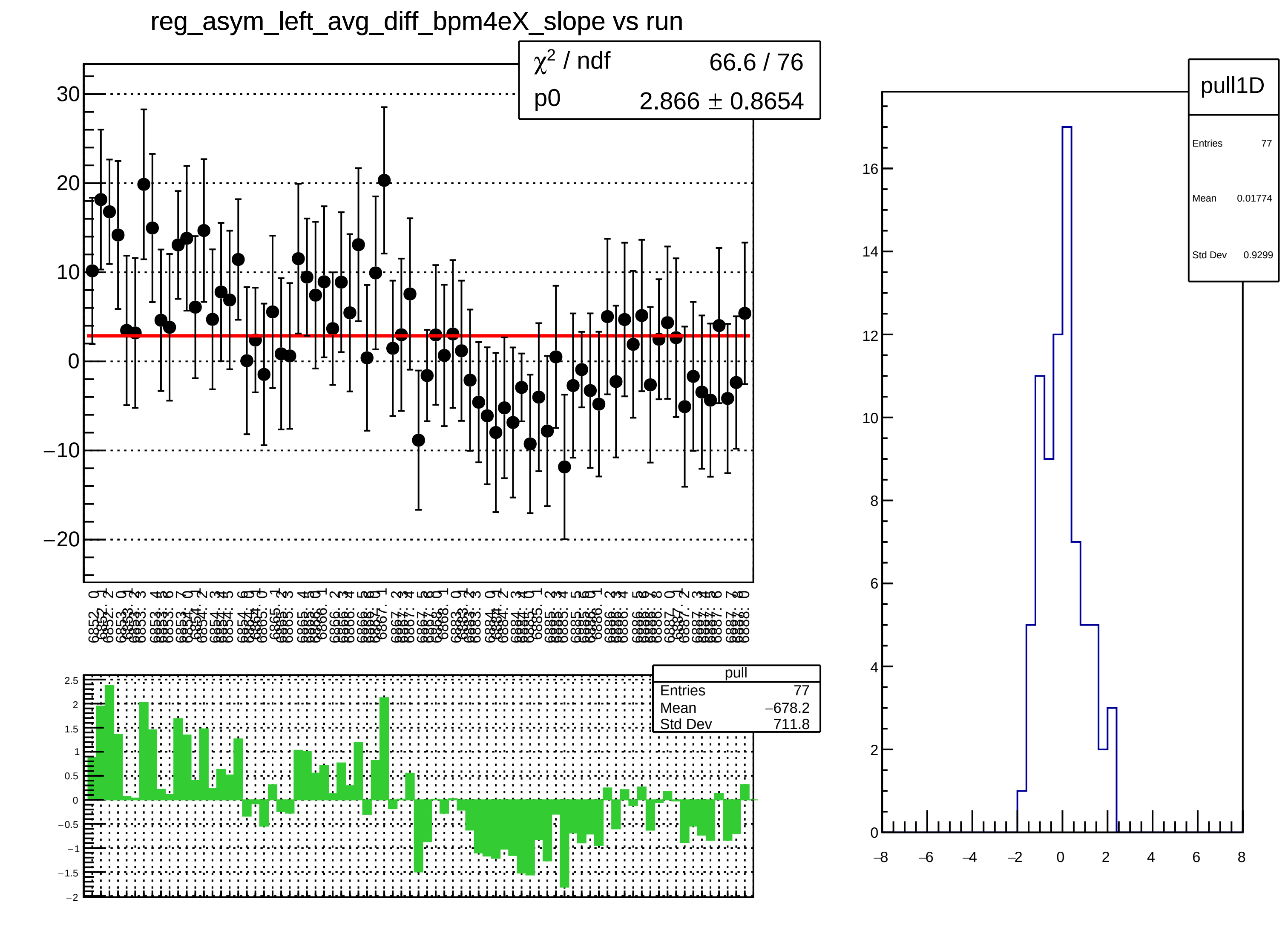
reg_asym_ds_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 65.82 / 76
p0 −0.009258 ± 0.003484
pull
Entries 77
Mean 13.77
Std Dev 27.38
pull1D
Entries 77
Mean −0.05164
Std Dev 0.9231

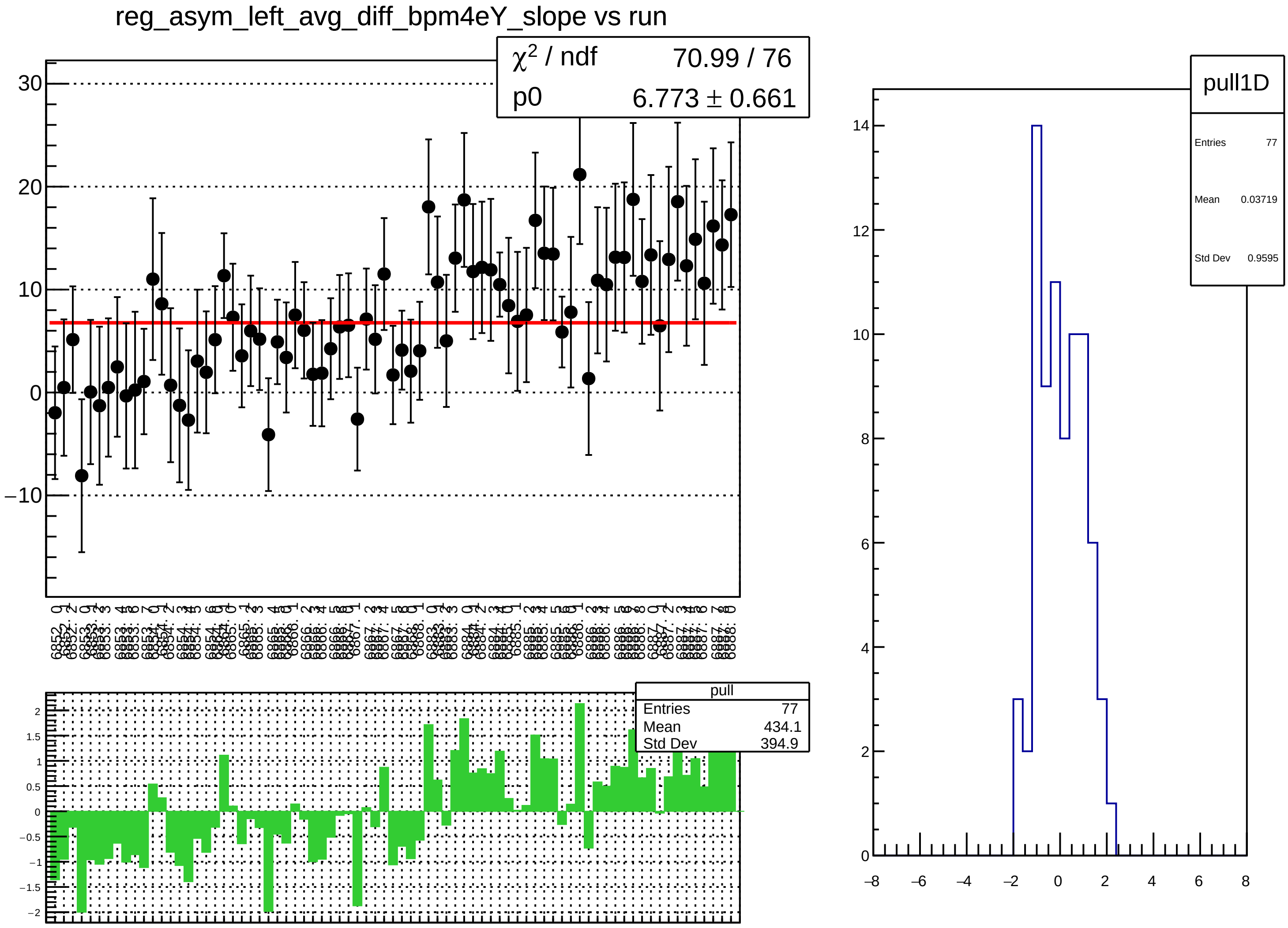


reg_asym_left_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 76.18 / 76
p0 −34.53 ± 0.9056
pull
Entries 77
Mean −459.7
Std Dev 494.2
pull1D
Entries 77
Mean −0.02963
Std Dev 0.9942

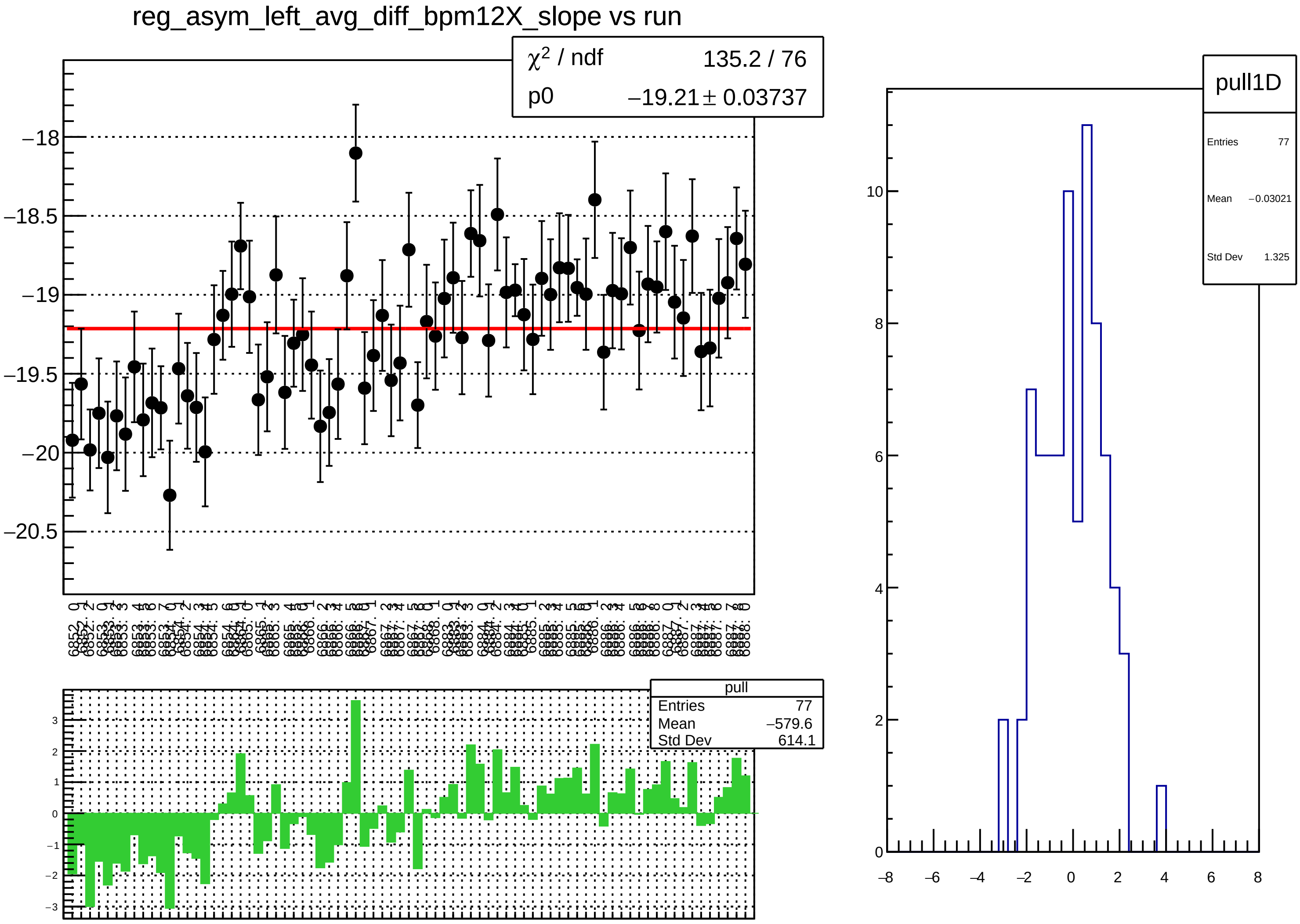


reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 63.33 / 76
p0 2 ± 0.5072
pull
Entries 77
Mean 354.2
Std Dev 313.7
pull1D
Entries 77
Mean −0.03894
Std Dev 0.9061

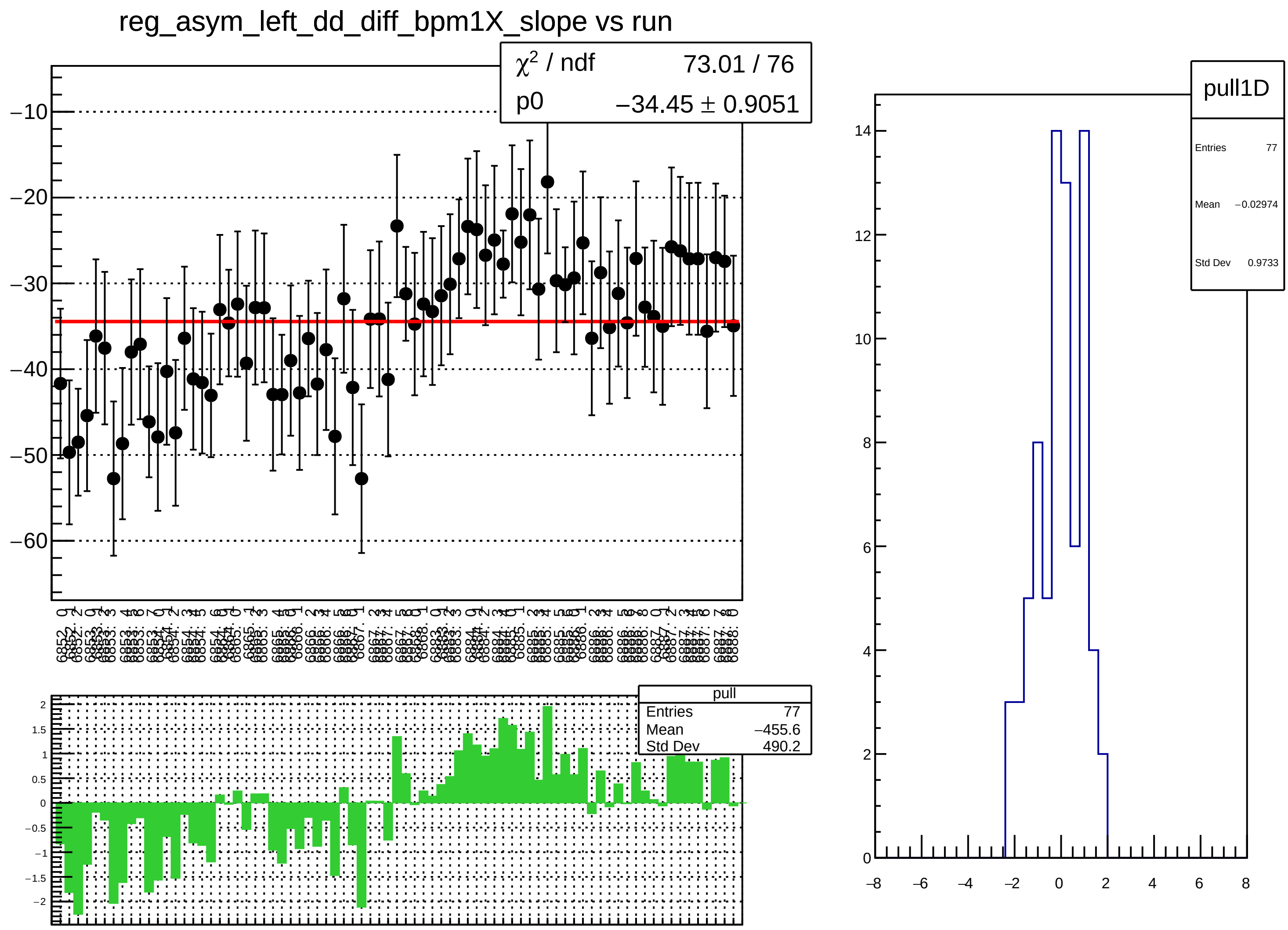

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ2 / ndf 66.6 / 76
p0 2.866 ± 0.8654
pull
Entries 77
Mean −678.2
Std Dev 711.8
pull1D
Entries 77
Mean 0.01774
Std Dev 0.9299



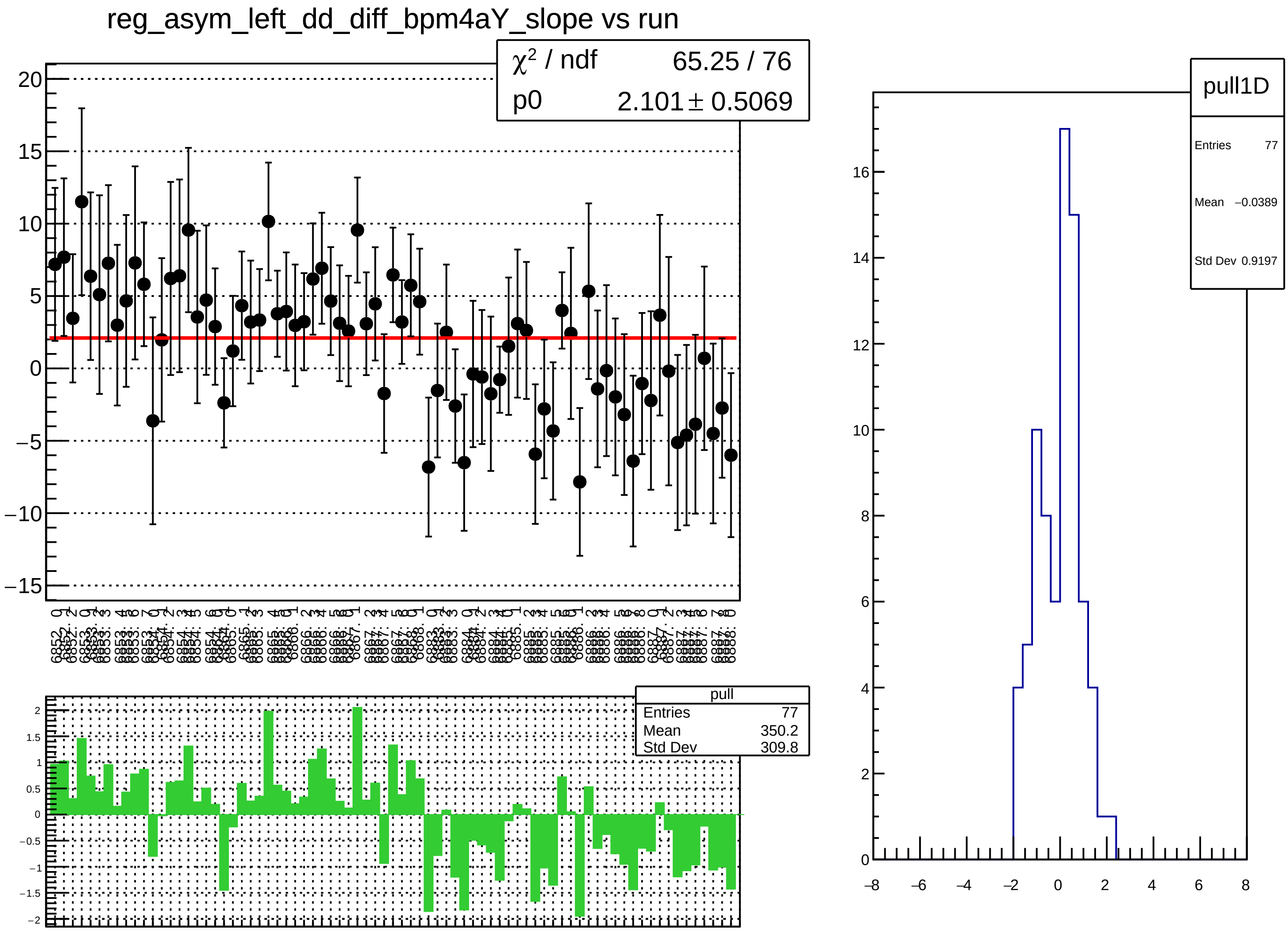
reg_asym_left_avg_diff_bpm4eY_slope vs run
χ2 / ndf 70.99 / 76
p0 6.773 ± 0.661
pull
Entries 77
Mean 434.1
Std Dev 394.9
pull1D
Entries 77
Mean 0.03719
Std Dev 0.9595

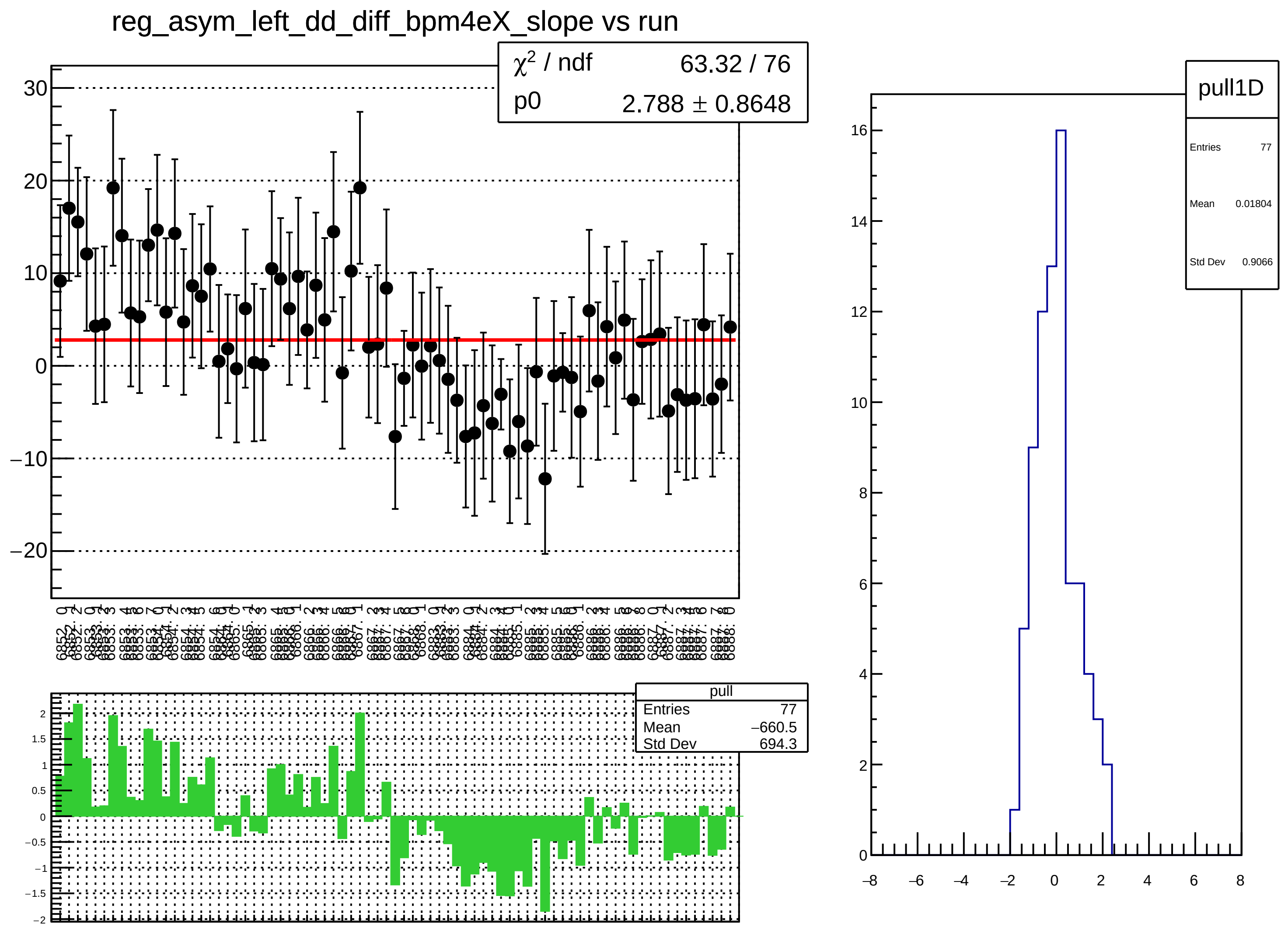


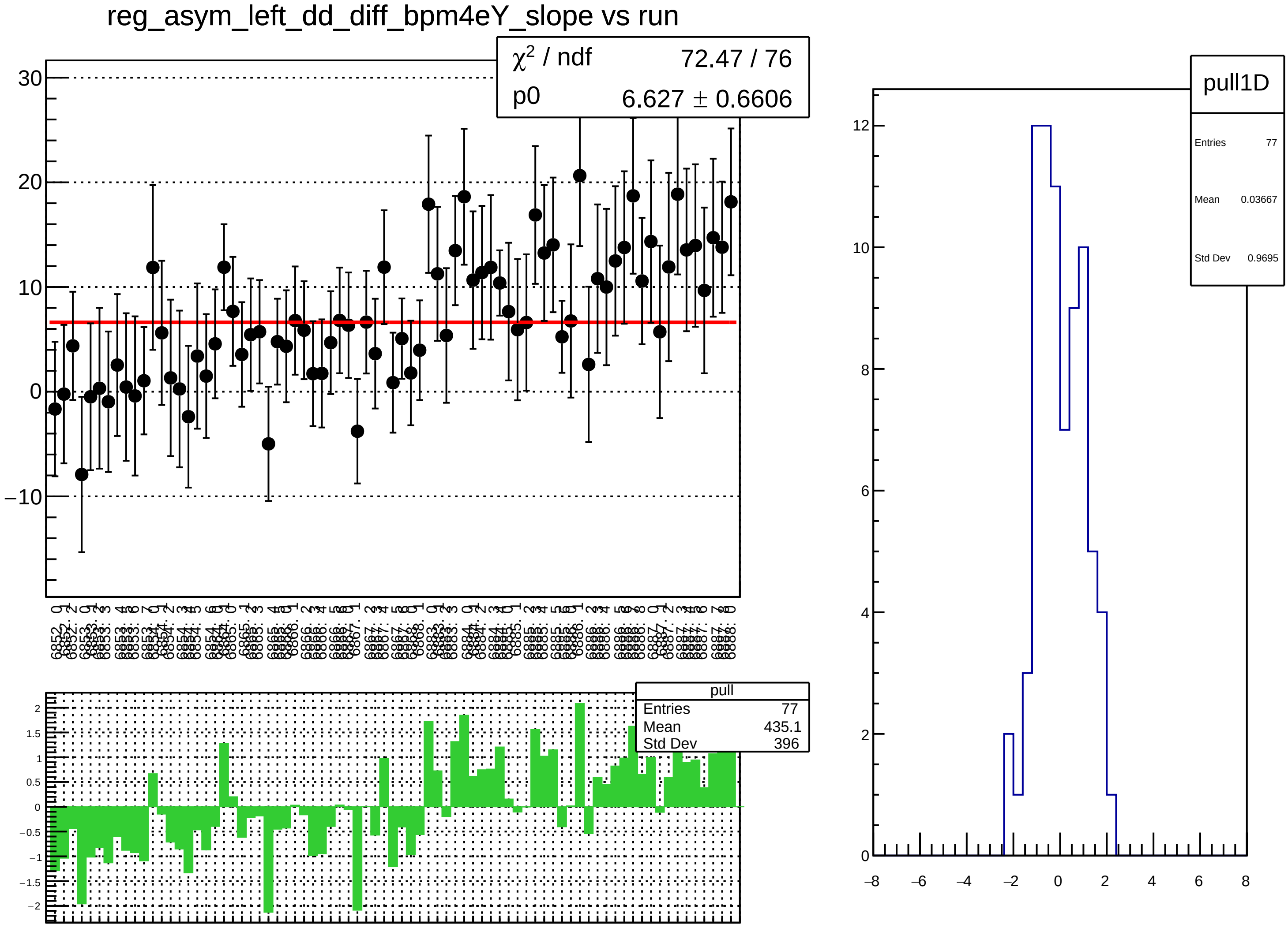
reg_asym_left_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 135.2 / 76
p0 −19.21 ± 0.03737
pull
Entries 77
Mean −579.6
Std Dev 614.1
pull1D
Entries 77
Mean −0.03021
Std Dev 1.325



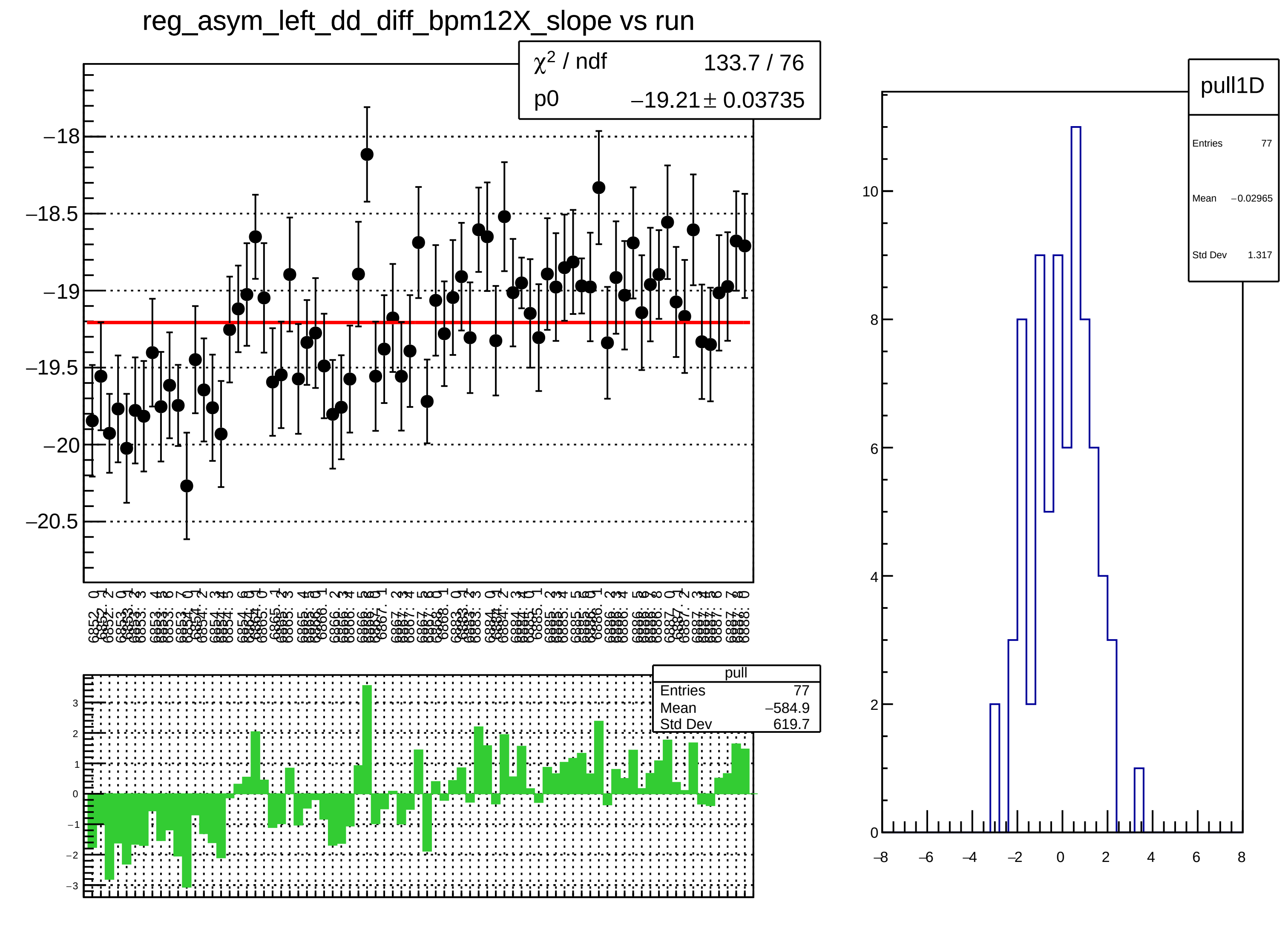
reg_asym_left_dd_diff_bpm1X_slope vs run
χ2 / ndf 73.01 / 76
p0 −34.45 ± 0.9051
pull
Entries 77
Mean −455.6
Std Dev 490.2
pull1D
Entries 77
Mean −0.02974
Std Dev 0.9733


reg_asym_left_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 65.25 / 76
p0 2.101 ± 0.5069
pull
Entries 77
Mean 350.2
Std Dev 309.8
pull1D
Entries 77
Mean −0.0389
Std Dev 0.9197


reg_asym_left_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 63.32 / 76
p0 2.788 ± 0.8648
pull
Entries 77
Mean −660.5
Std Dev 694.3
pull1D
Entries 77
Mean 0.01804
Std Dev 0.9066

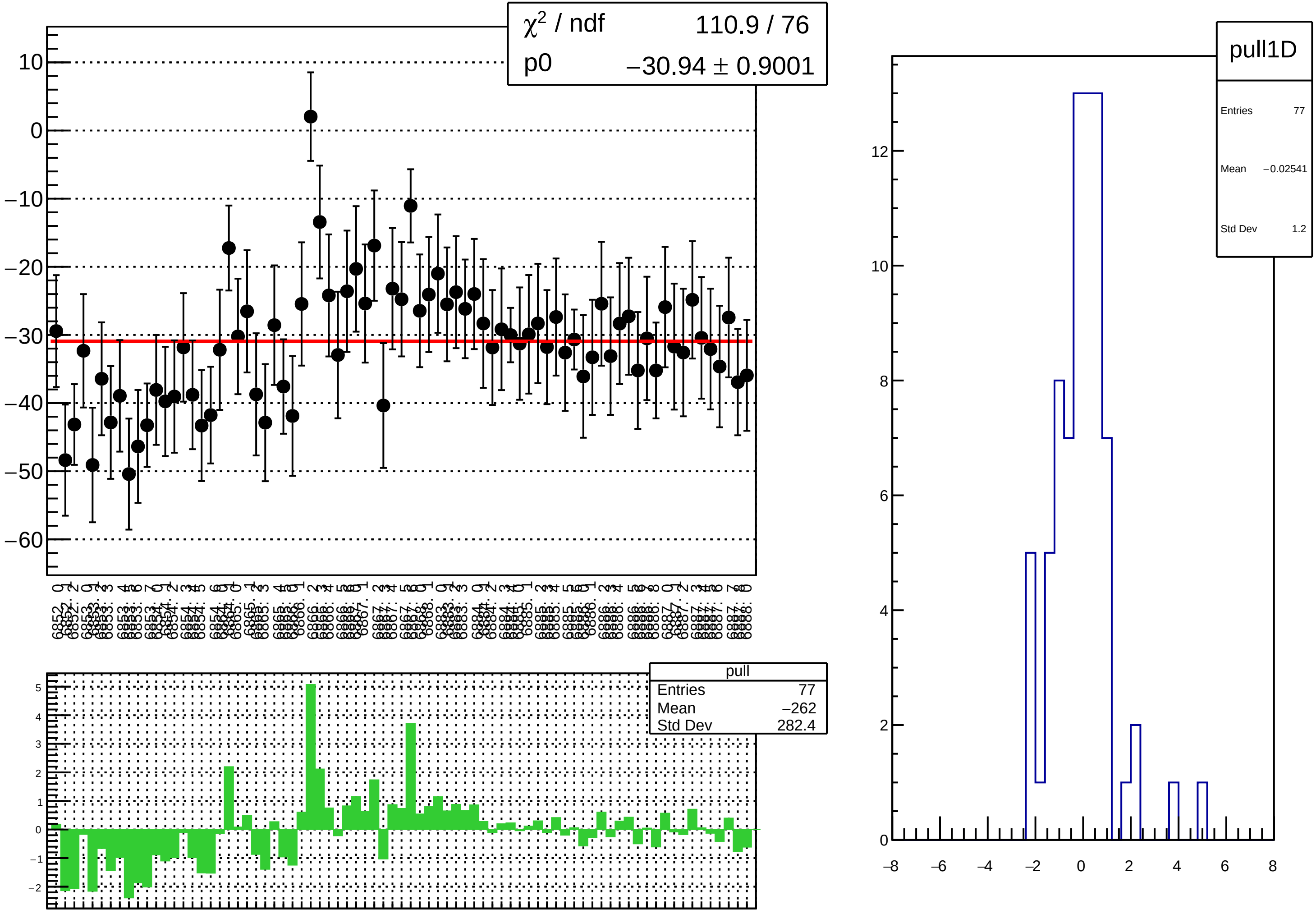


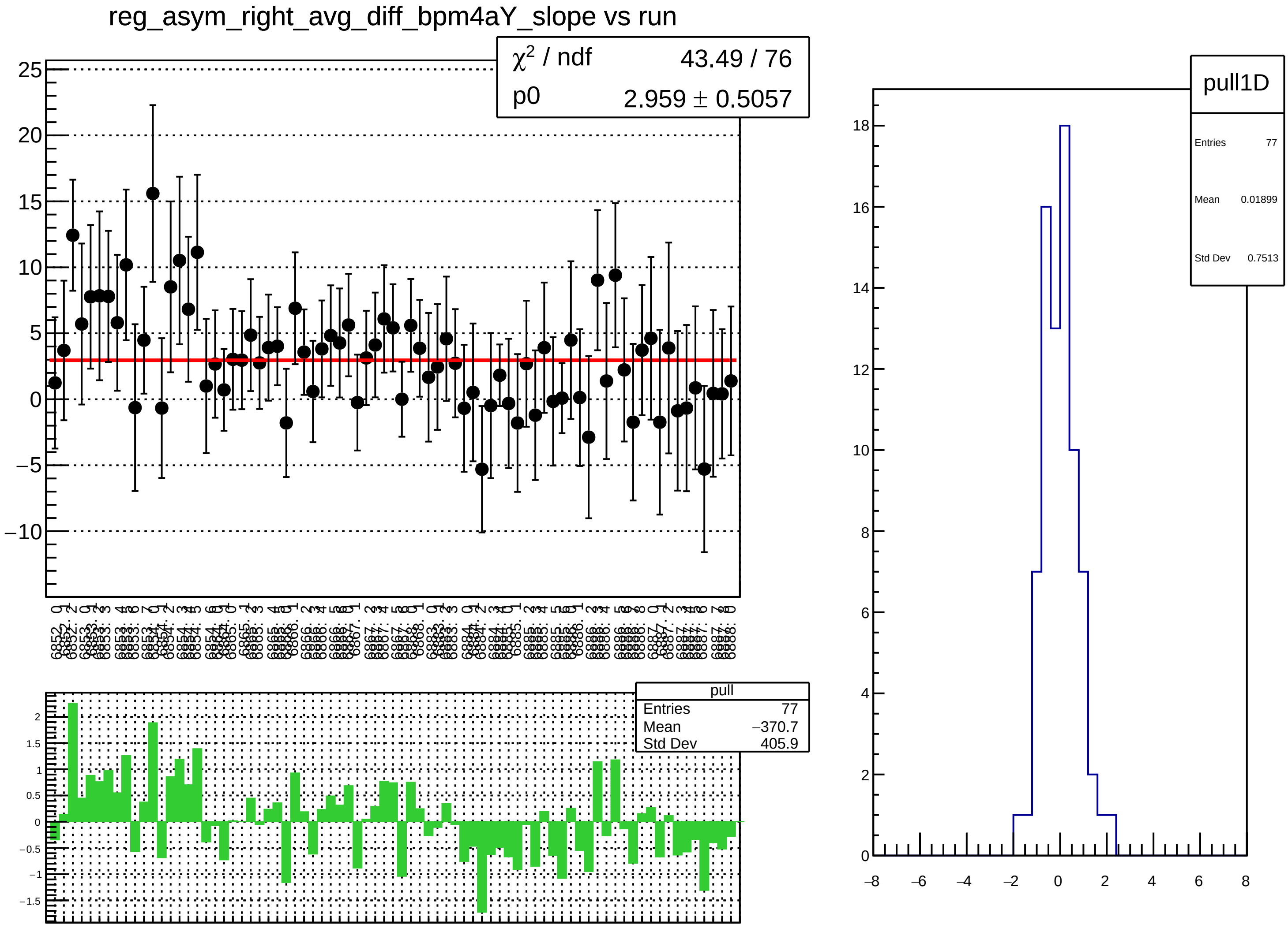
reg_asym_left_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 72.47 / 76
p0 6.627 ± 0.6606
pull
Entries 77
Mean 435.1
Std Dev 396
pull1D
Entries 77
Mean 0.03667
Std Dev 0.9695

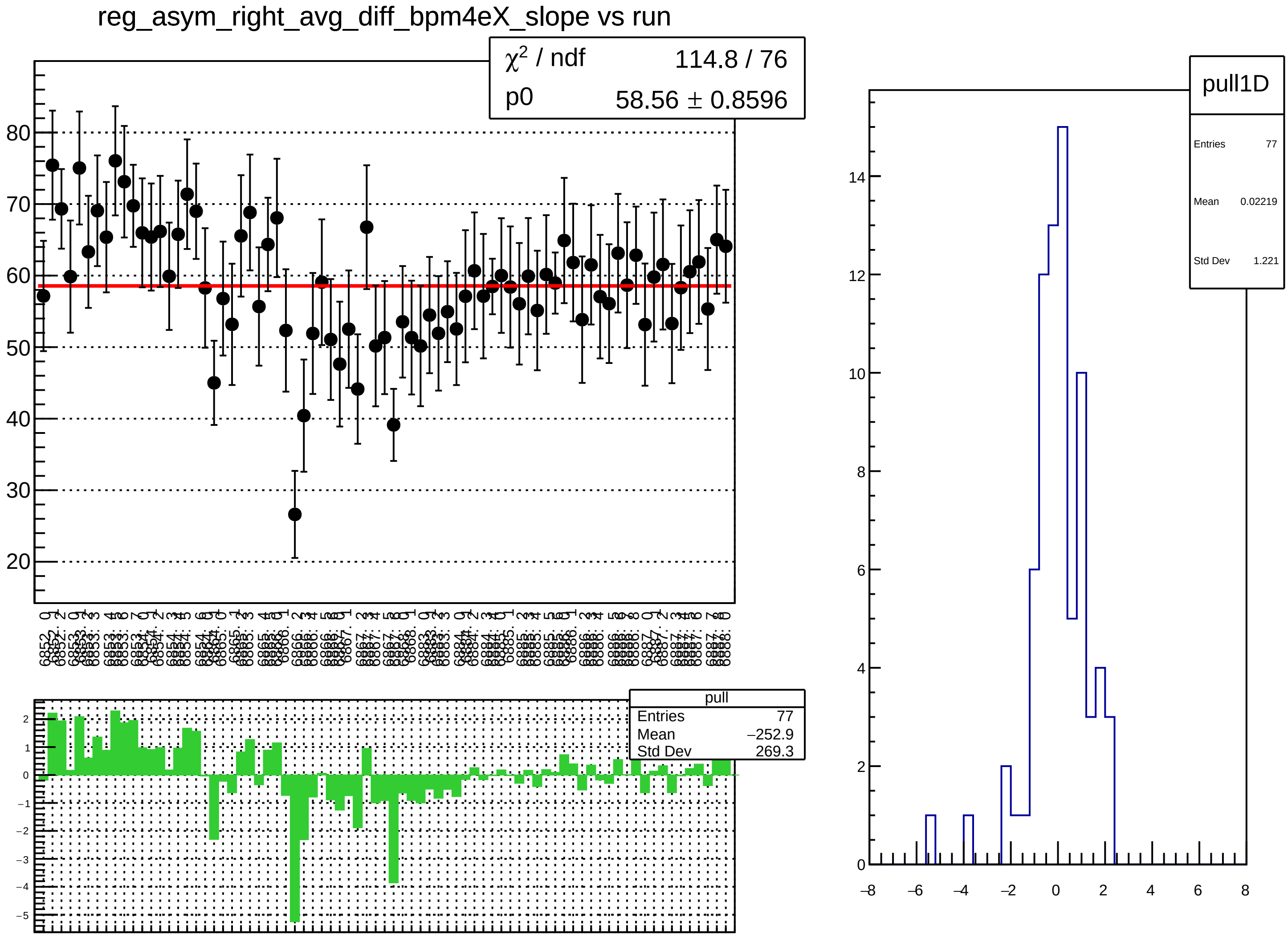


reg_asym_left_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 133.7 / 76
p0 −19.21 ± 0.03735
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 77
Mean −584.9
Std Dev 619.7
3
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean −0.02965
Std Dev 1.317
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

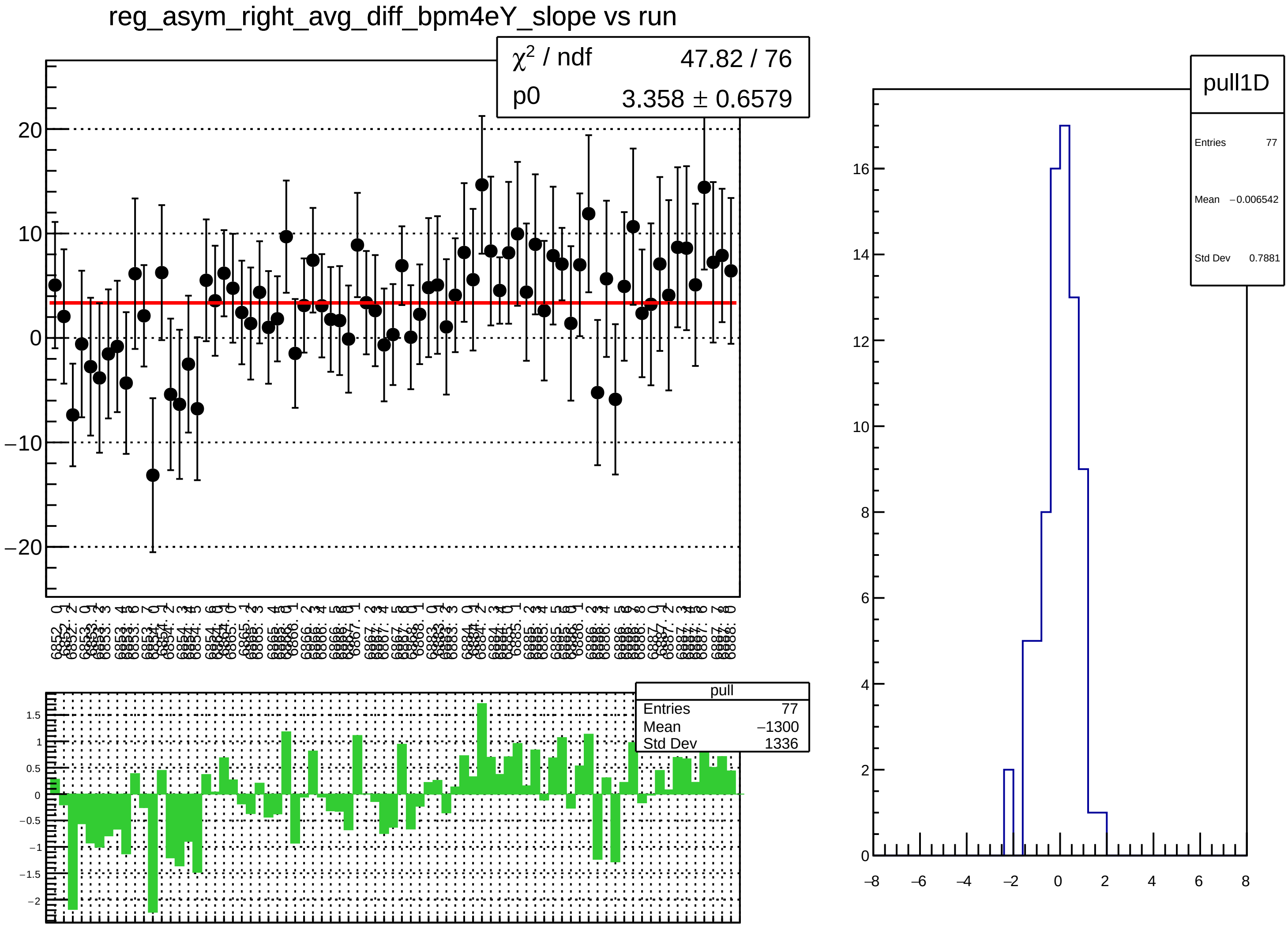
reg_asym_right_avg_diff_bpm1X_slope vs run



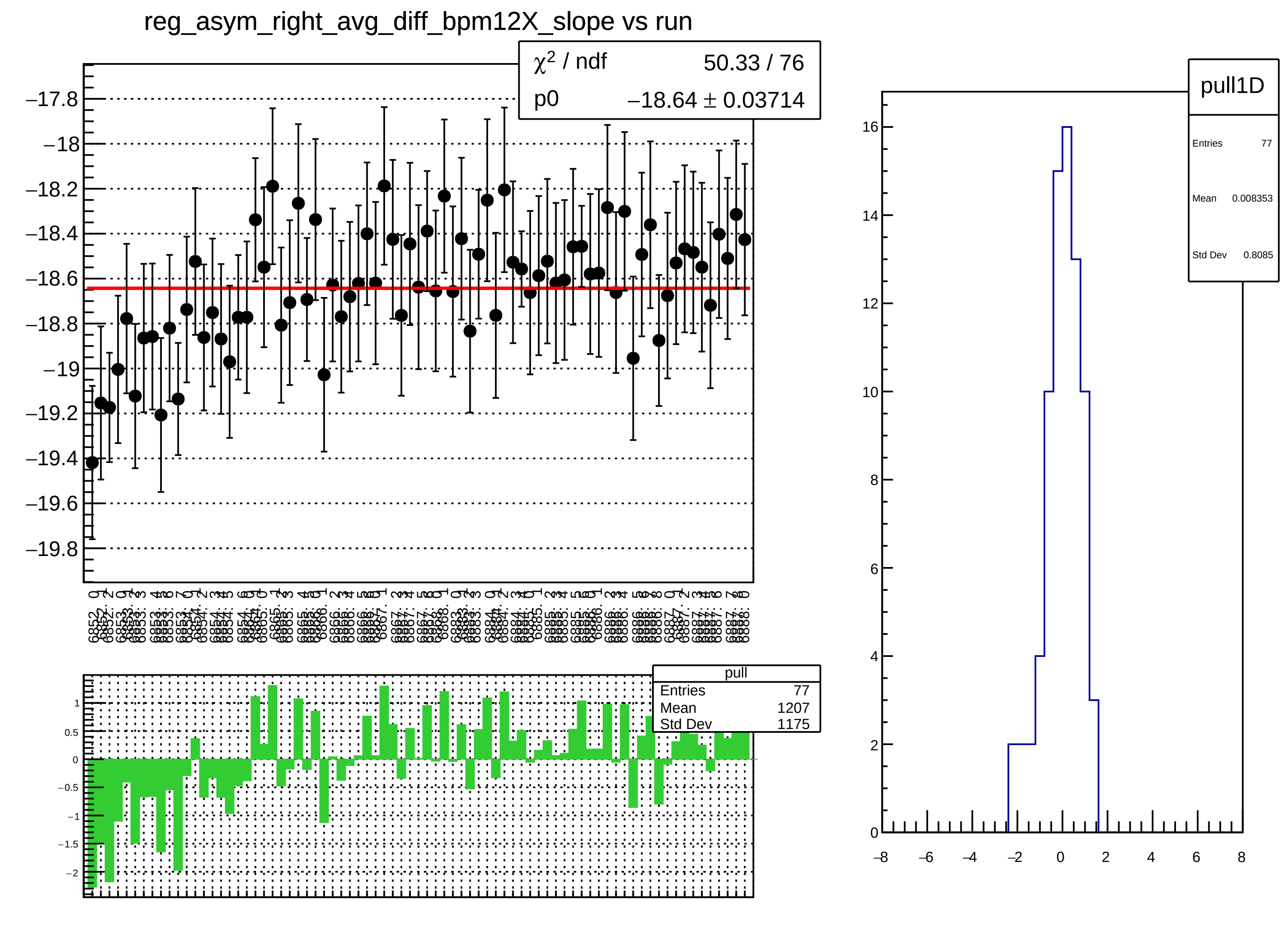

reg_asym_right_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 43.49 / 76
p0 2.959 ± 0.5057
pull
Entries 77
Mean −370.7
Std Dev 405.9
pull1D
Entries 77
Mean 0.01899
Std Dev 0.7513



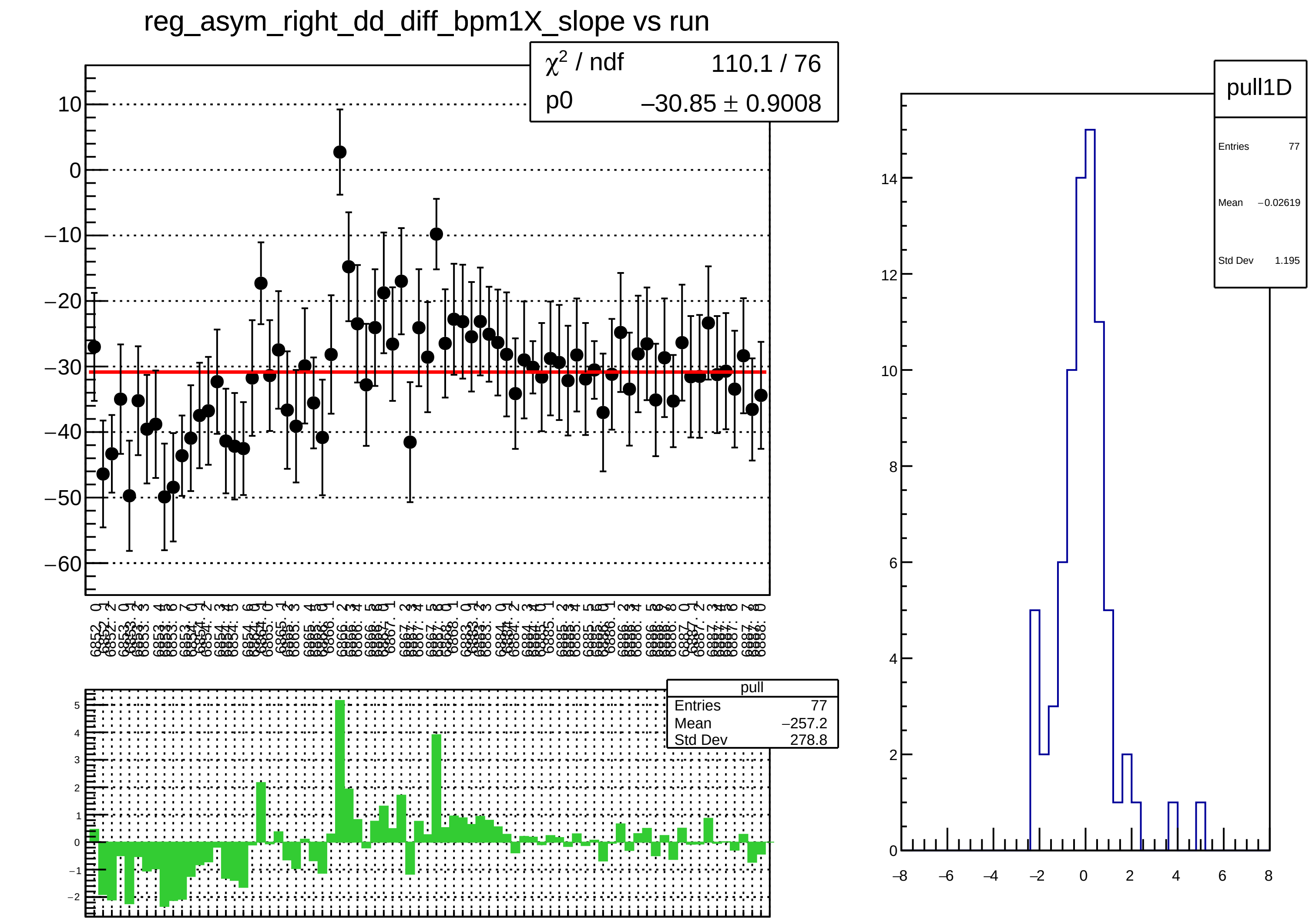
reg_asym_right_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 114.8 / 76
p0 58.56 ± 0.8596
pull
Entries 77
Mean −252.9
Std Dev 269.3
pull1D
Entries 77
Mean 0.02219
Std Dev 1.221



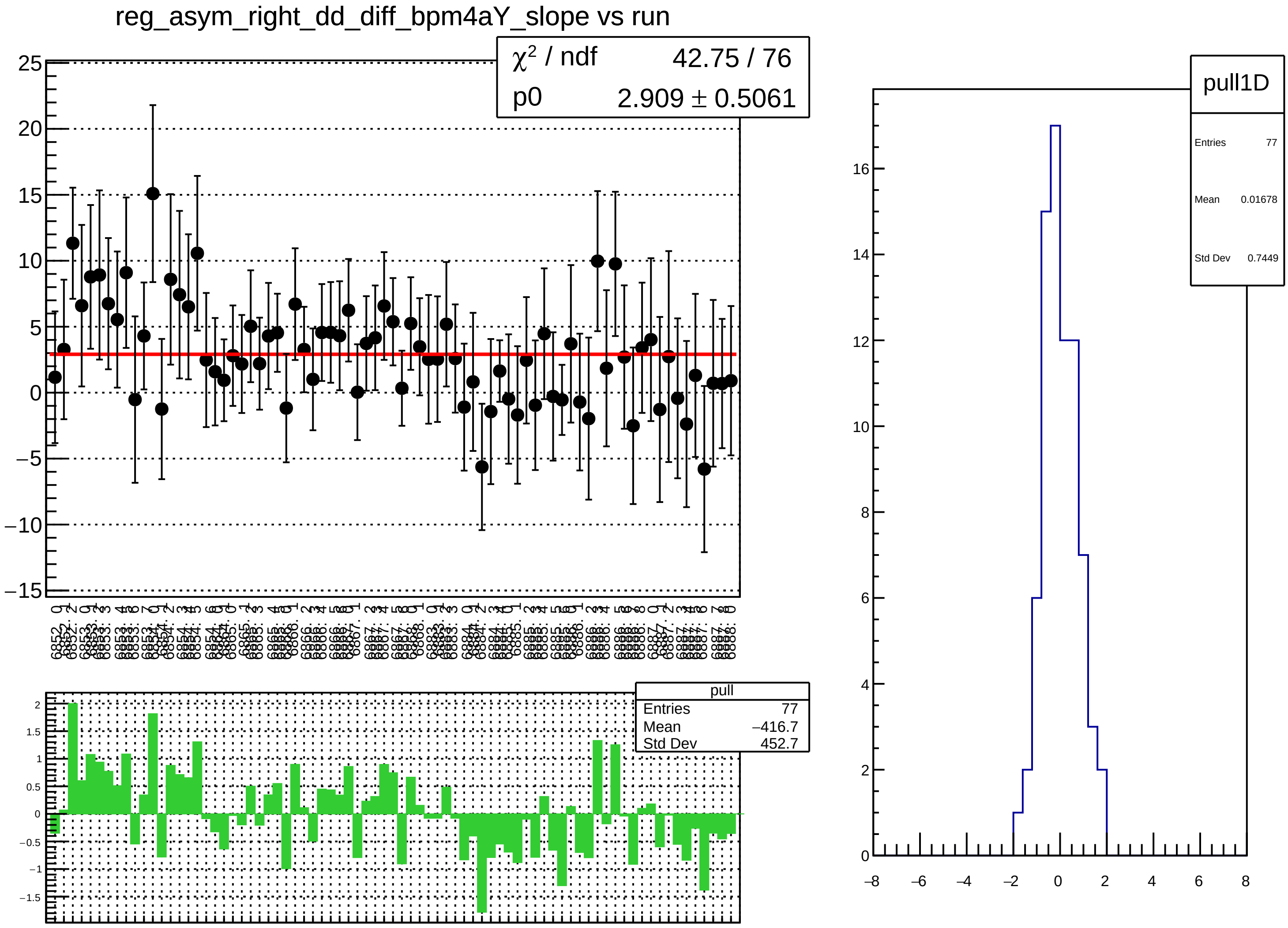
reg_asym_right_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 47.82 / 76
p0 3.358 ± 0.6579
pull
Entries 77
Mean −1300
Std Dev 1336
pull1D
Entries 77
Mean −0.006542
Std Dev 0.7881



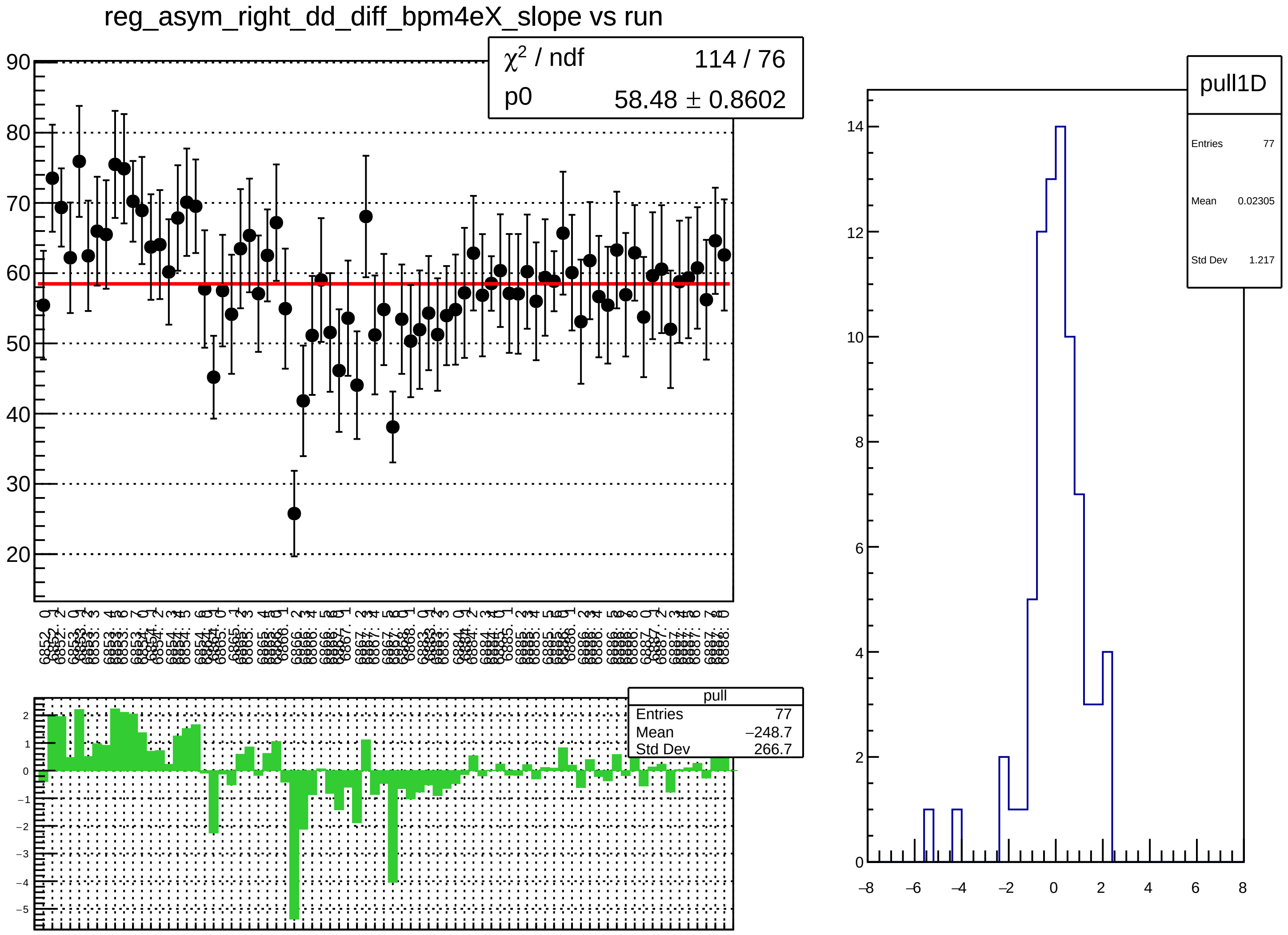
reg_asym_right_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 50.33 / 76
p0 −18.64 ± 0.03714
pull
Entries 77
Mean 1207
Std Dev 1175
pull1D
Entries 77
Mean 0.008353
Std Dev 0.8085



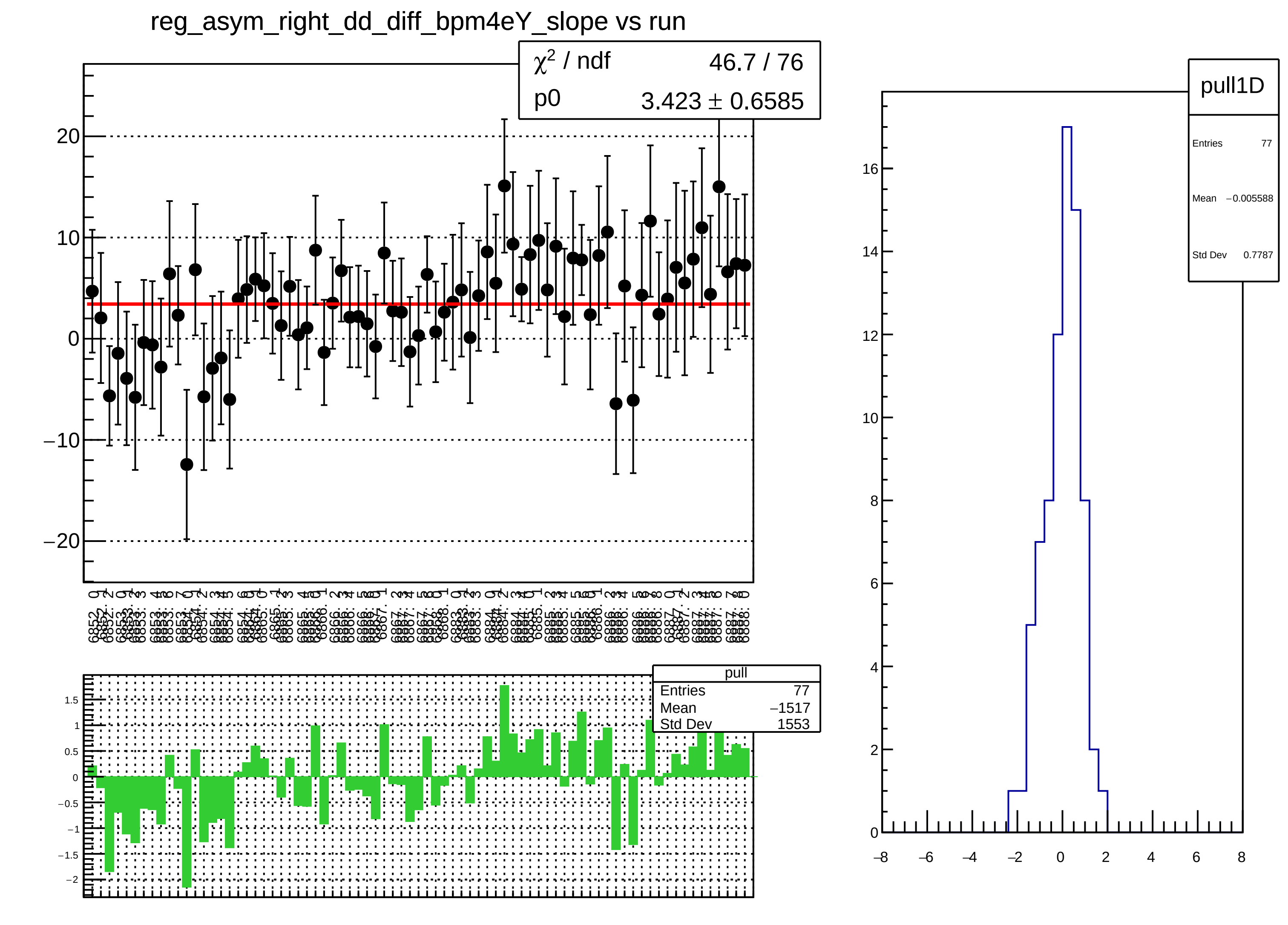
reg_asym_right_dd_diff_bpm1X_slope vs run
χ2 / ndf 110.1 / 76
p0 −30.85 ± 0.9008
pull
Entries 77
Mean −257.2
Std Dev 278.8
pull1D
Entries 77
Mean −0.02619
Std Dev 1.195



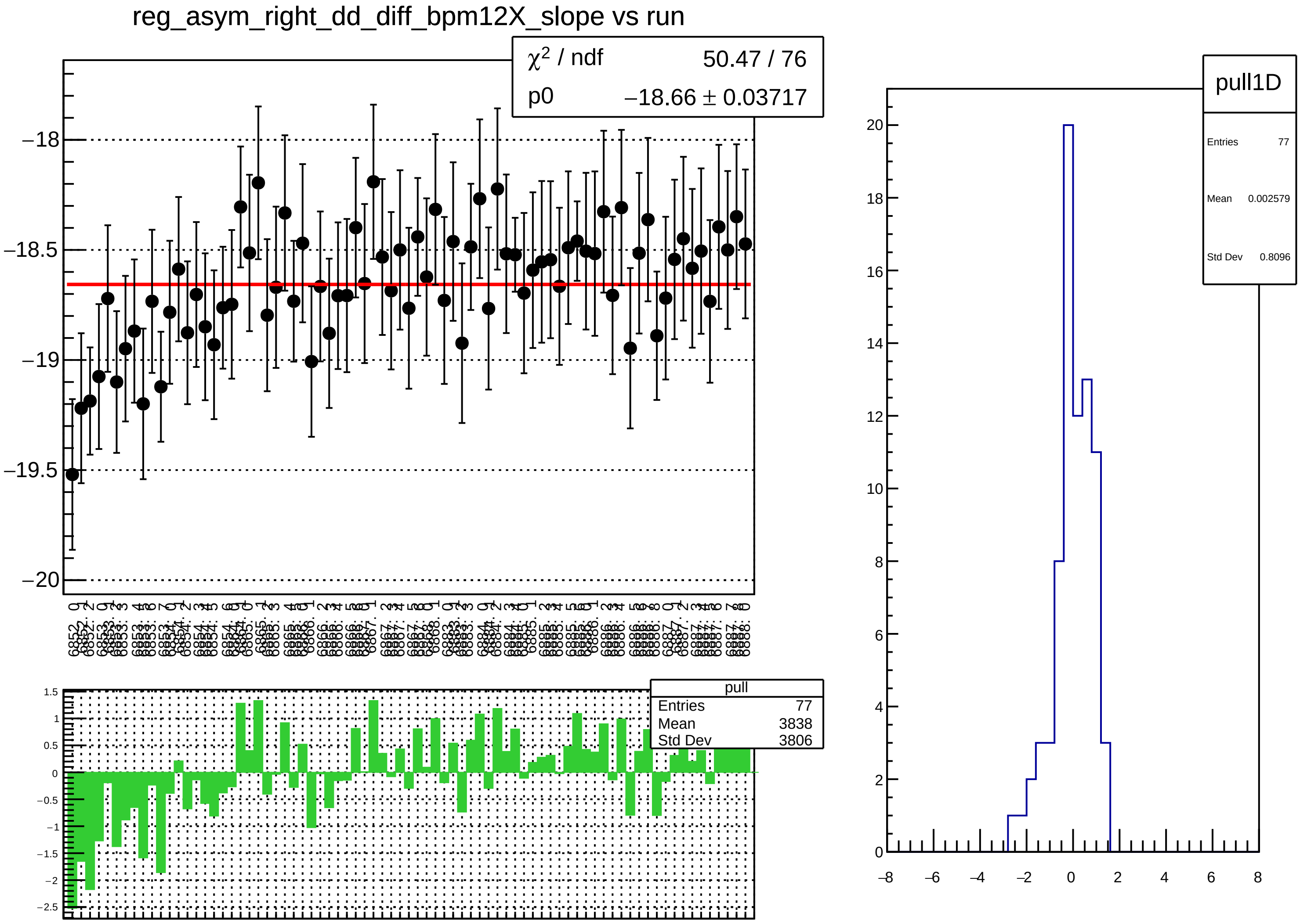
reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.75 / 76
p0 2.909 ± 0.5061
pull
Entries 77
Mean −416.7
Std Dev 452.7
pull1D
Entries 77
Mean 0.01678
Std Dev 0.7449



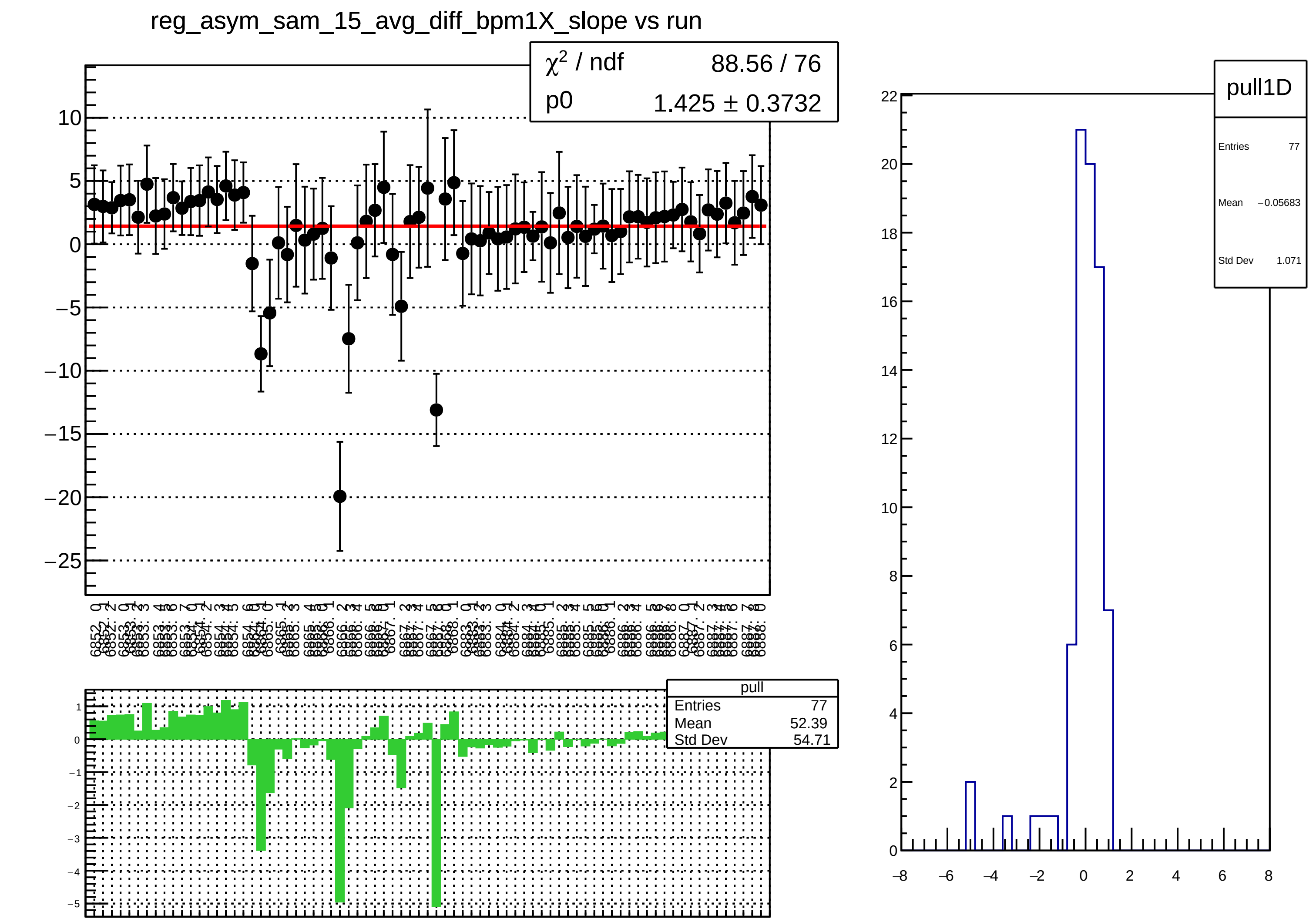
reg_asym_right_dd_diff_bpm4eX_slope vs run
χ2 / ndf 114 / 76
p0 58.48 ± 0.8602
pull
Entries 77
Mean −248.7
Std Dev 266.7
pull1D
Entries 77
Mean 0.02305
Std Dev 1.217

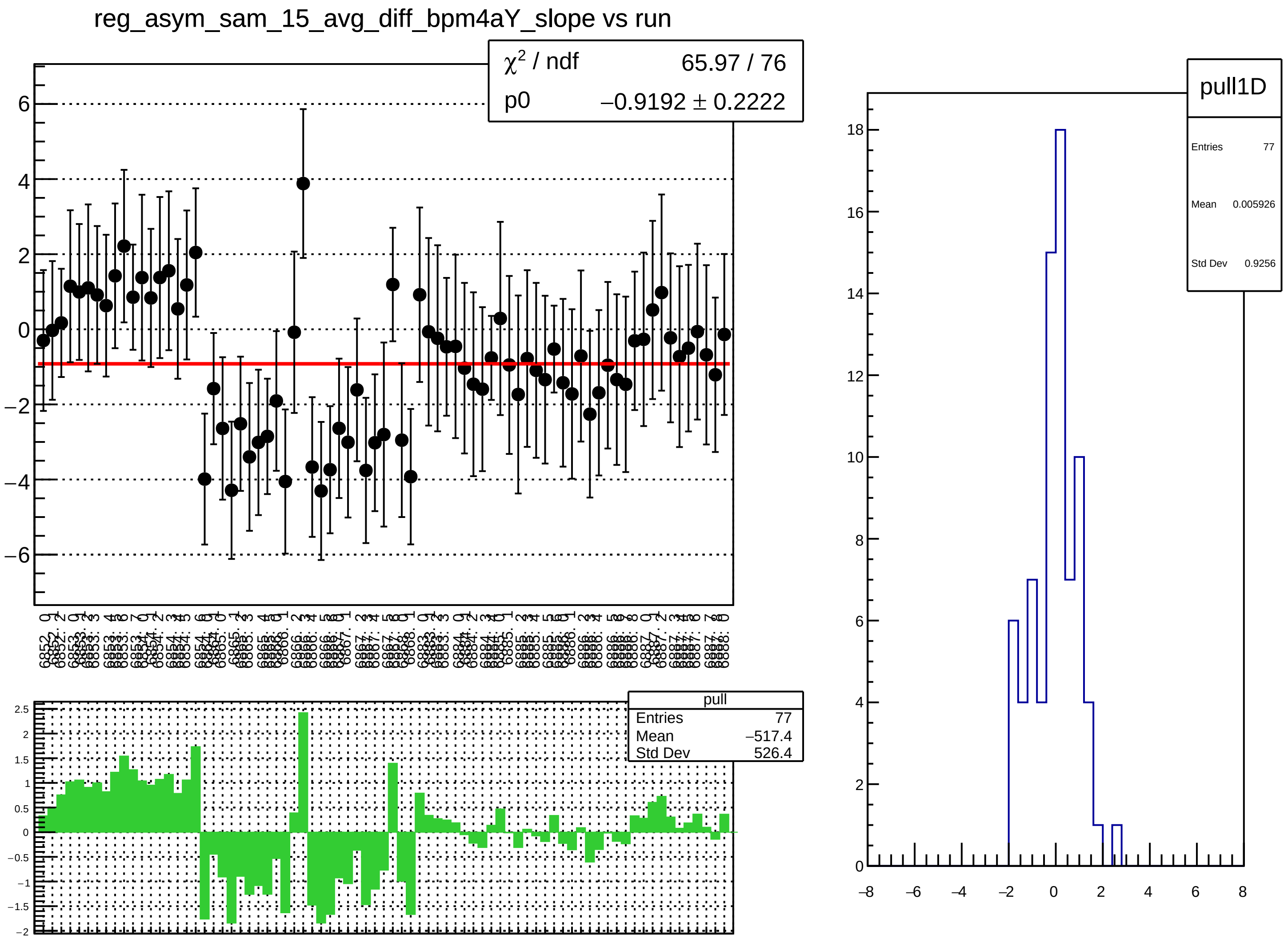


reg_asym_right_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 46.7 / 76
p0 3.423 ± 0.6585
pull
Entries 77
Mean −1517
Std Dev 1553
pull1D
Entries 77
Mean −0.005588
Std Dev 0.7787

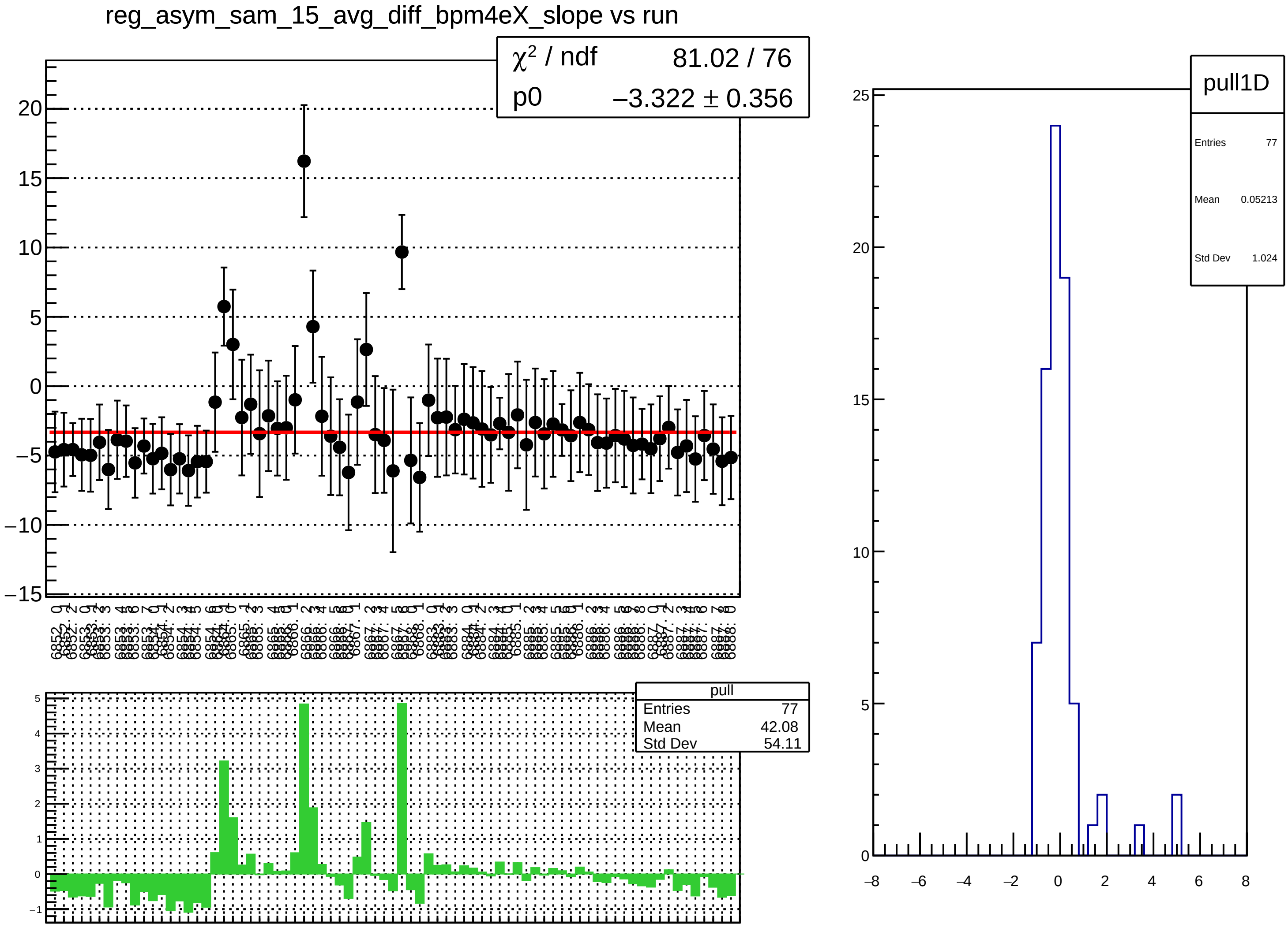


reg_asym_right_dd_diff_bpm12X_slope vs run
χ2 / ndf 50.47 / 76
p0 −18.66 ± 0.03717
pull
Entries 77
Mean 3838
Std Dev 3806
pull1D
Entries 77
Mean 0.002579
Std Dev 0.8096

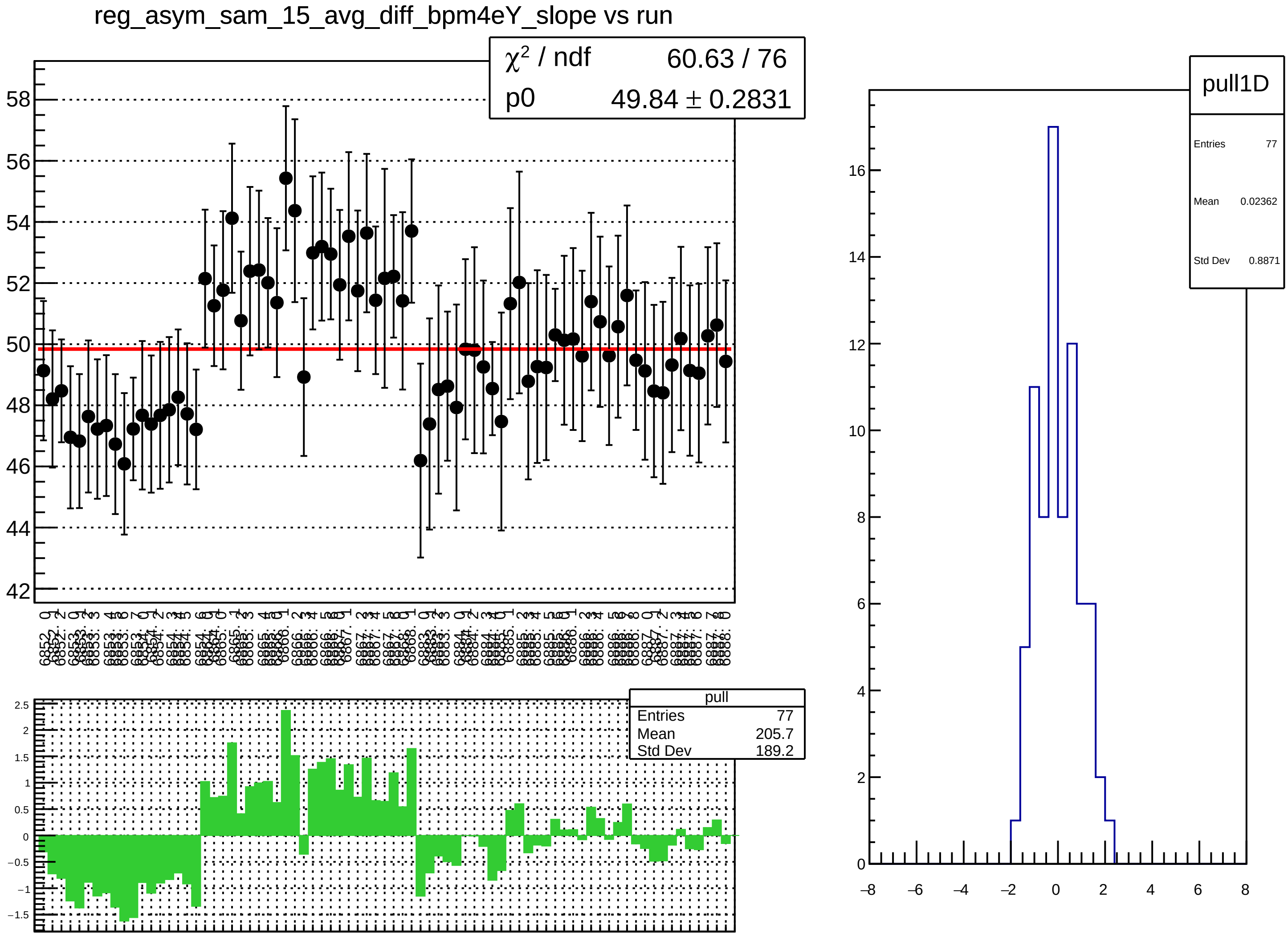

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 88.56 / 76
p0 1.425 ± 0.3732
pull
Entries 77
Mean 52.39
Std Dev 54.71
pull1D
Entries 77
Mean −0.05683
Std Dev 1.071



reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 65.97 / 76
p0 −0.9192 ± 0.2222
pull
Entries 77
Mean −517.4
Std Dev 526.4
pull1D
Entries 77
Mean 0.005926
Std Dev 0.9256

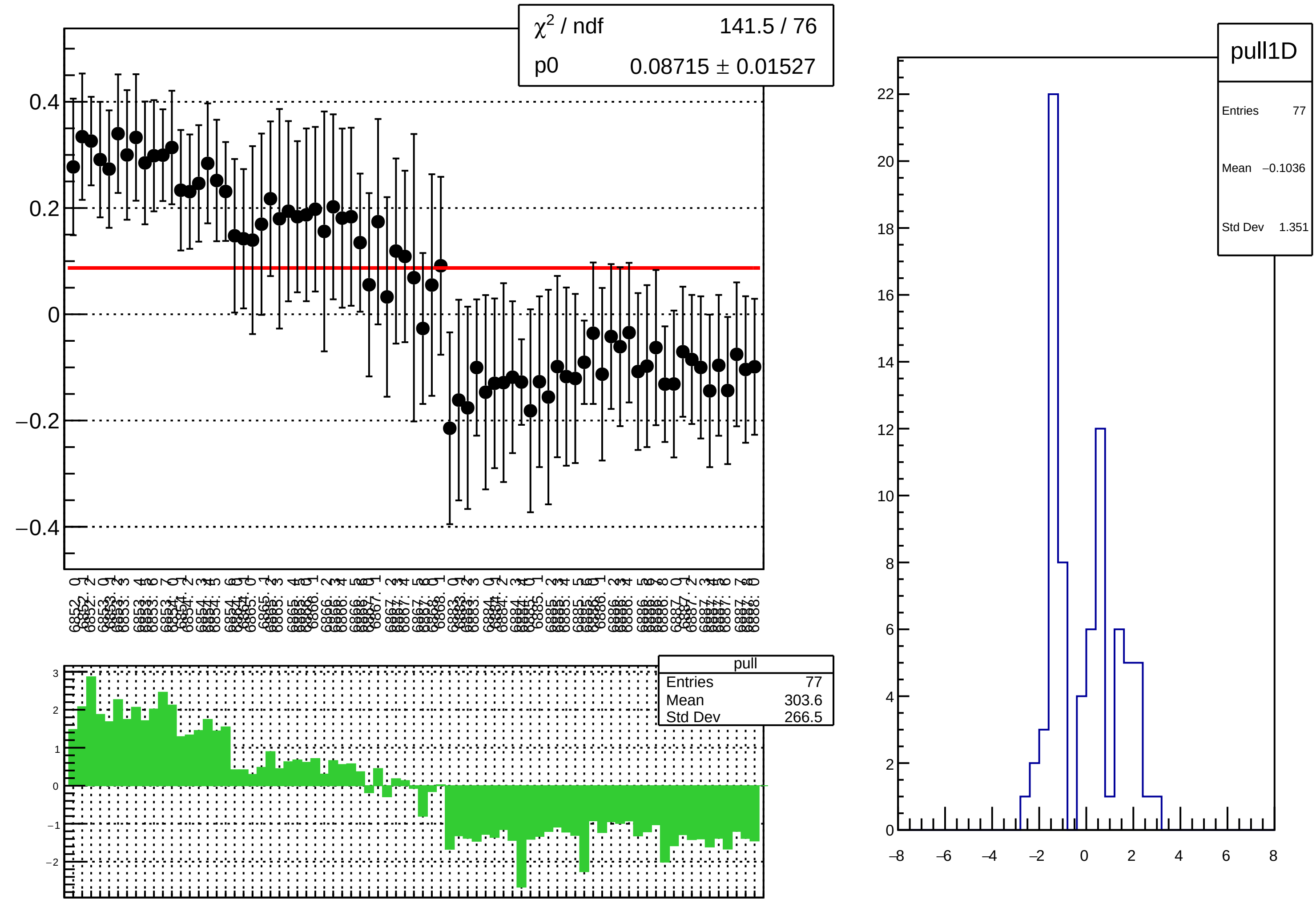


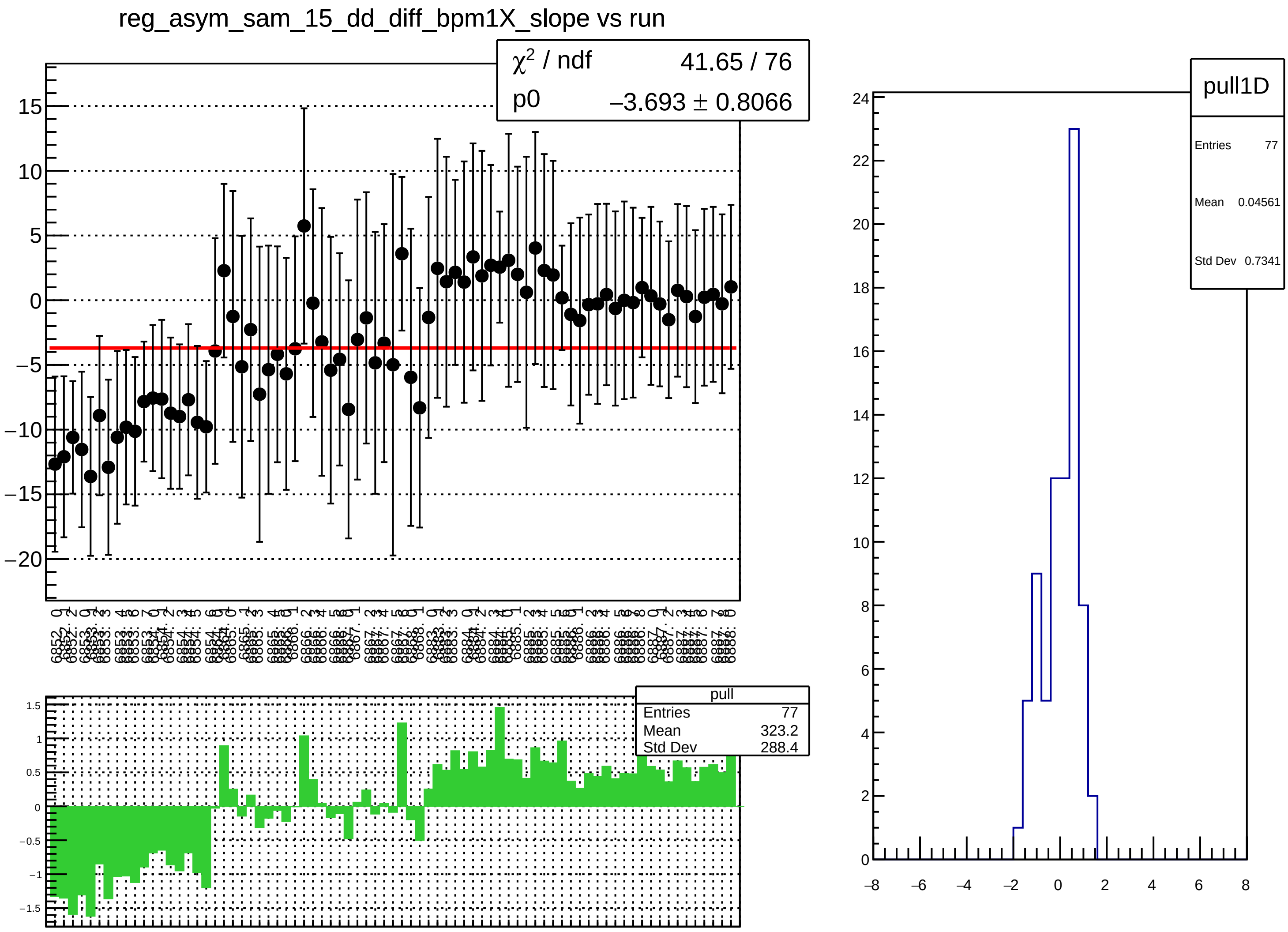
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ2 / ndf 81.02 / 76
p0 −3.322 ± 0.356
pull
Entries 77
Mean 42.08
Std Dev 54.11
pull1D
Entries 77
Mean 0.05213
Std Dev 1.024



reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 60.63 / 76
p0 49.84 ± 0.2831
pull
Entries 77
Mean 205.7
Std Dev 189.2
pull1D
Entries 77
Mean 0.02362
Std Dev 0.8871

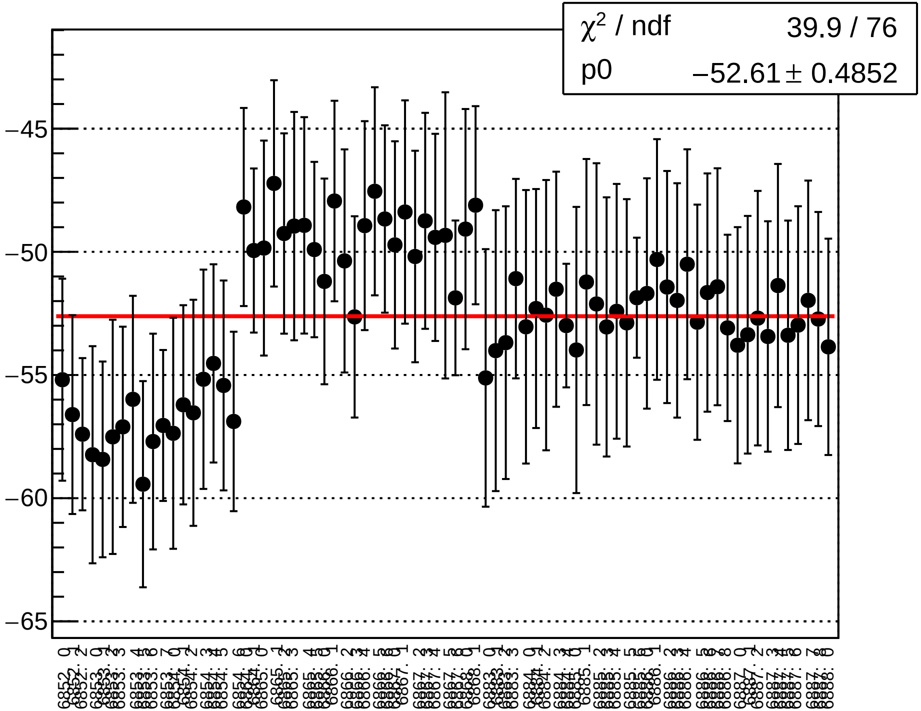
reg_asym_sam_15_avg_diff_bpm12X_slope vs run

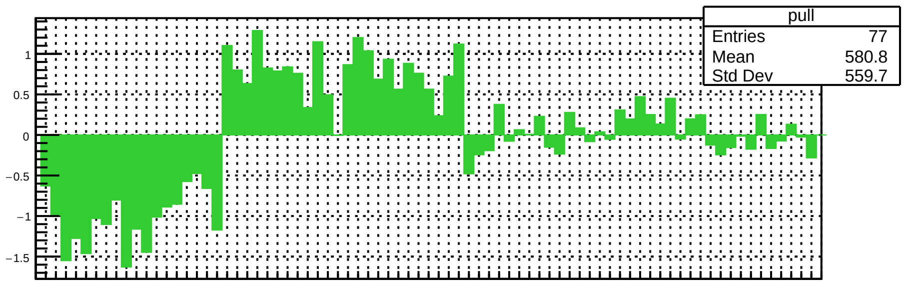


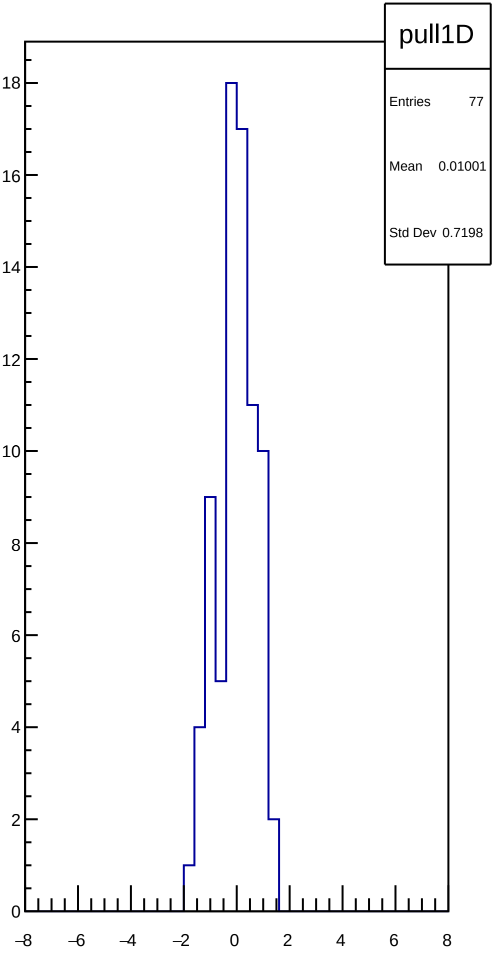


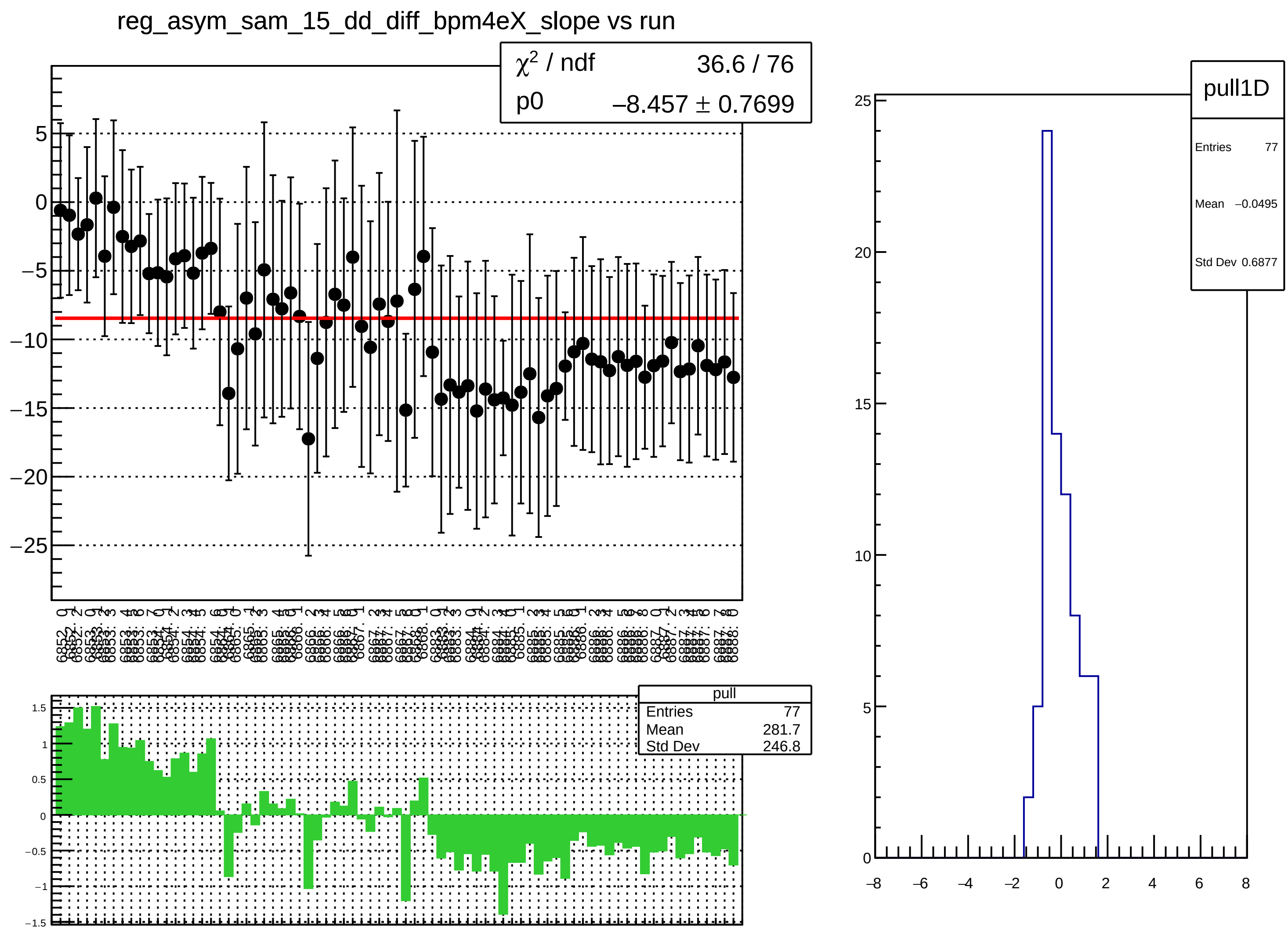
reg_asym_sam_15_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 41.65 / 76
p0 −3.693 ± 0.8066
pull
Entries 77
Mean 323.2
Std Dev 288.4
pull1D
Entries 77
Mean 0.04561
Std Dev 0.7341

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run

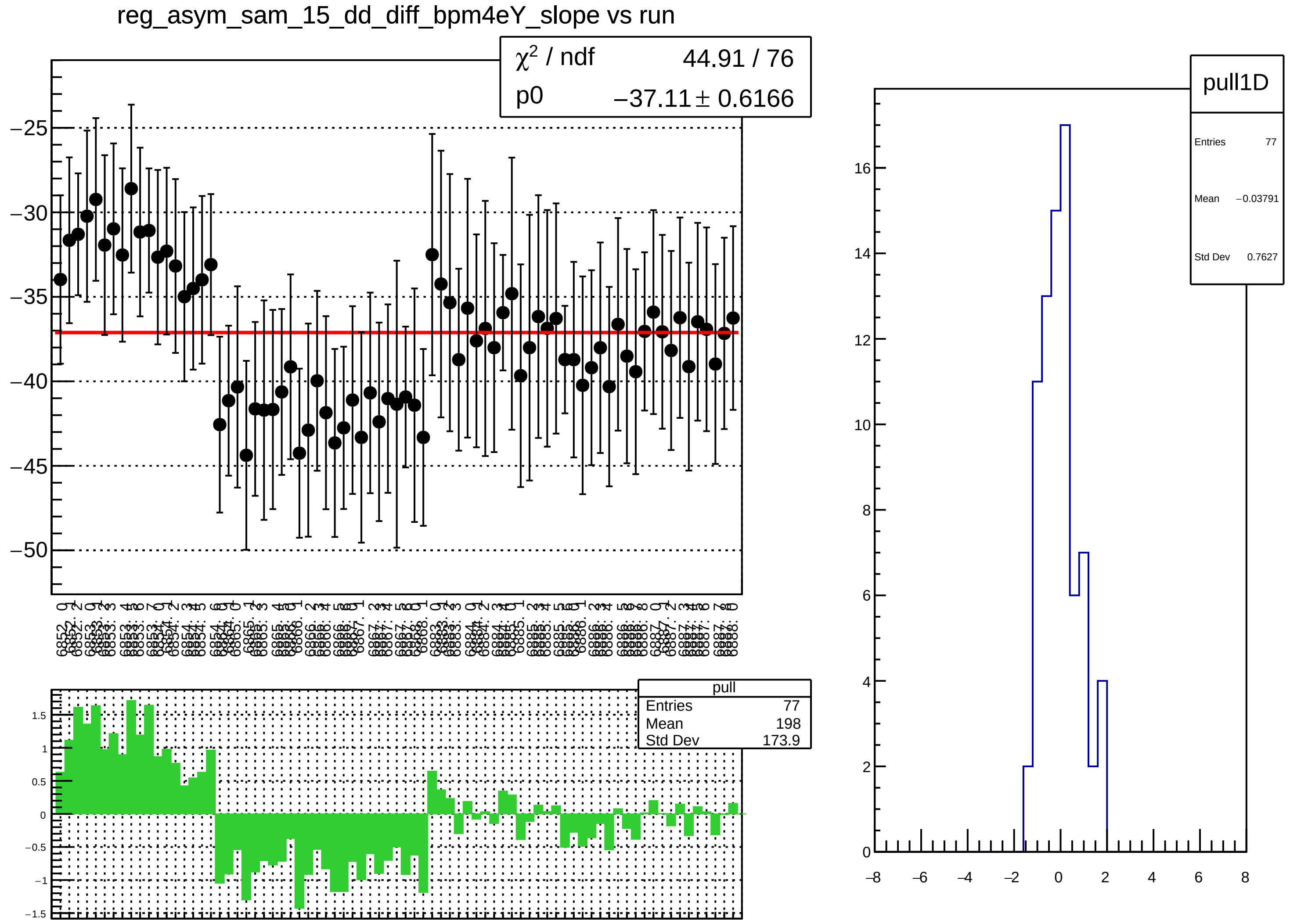


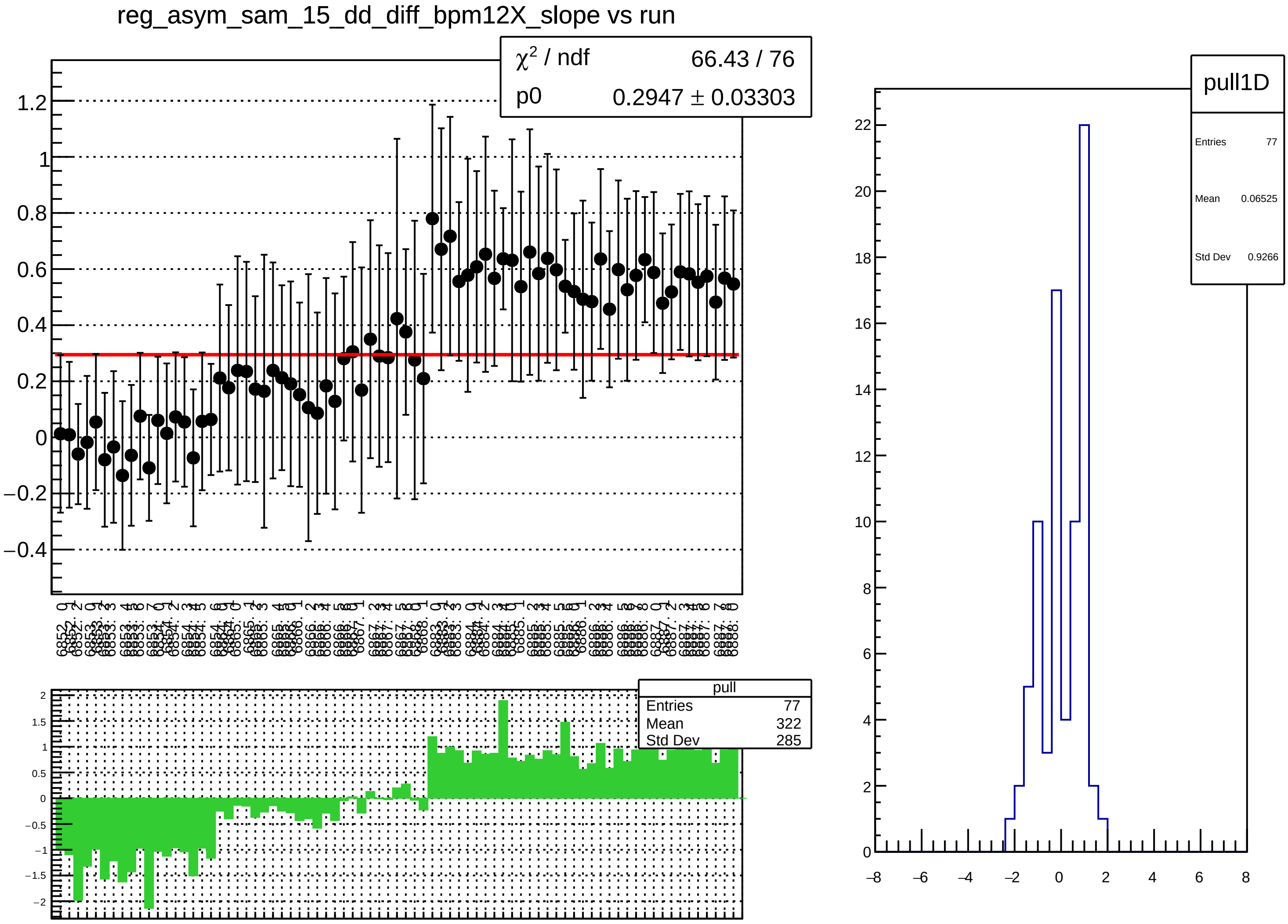



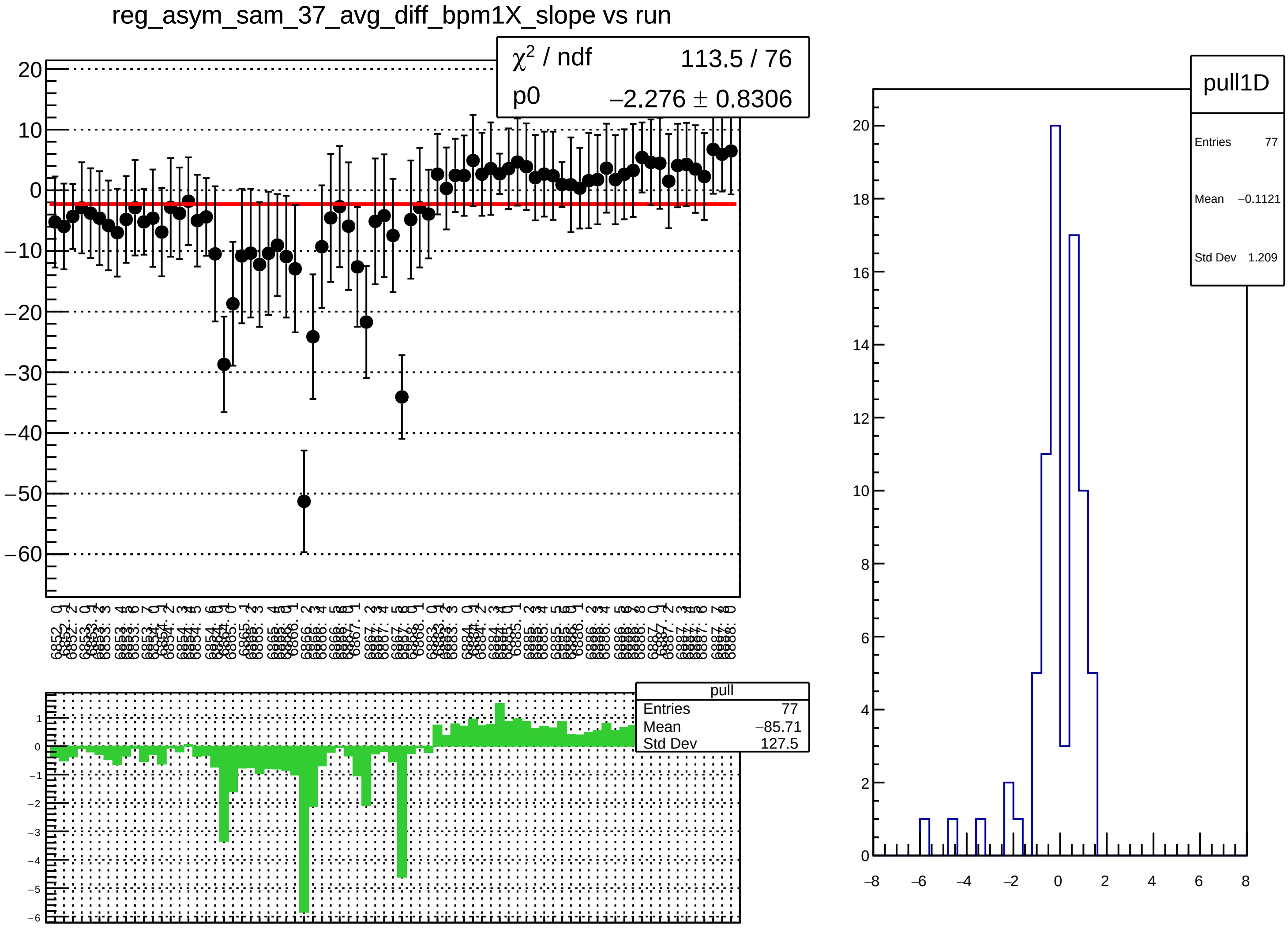


reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 36.6 / 76
p0 −8.457 ± 0.7699
pull
Entries 77
Mean 281.7
Std Dev 246.8
pull1D
Entries 77
Mean −0.0495
Std Dev 0.6877

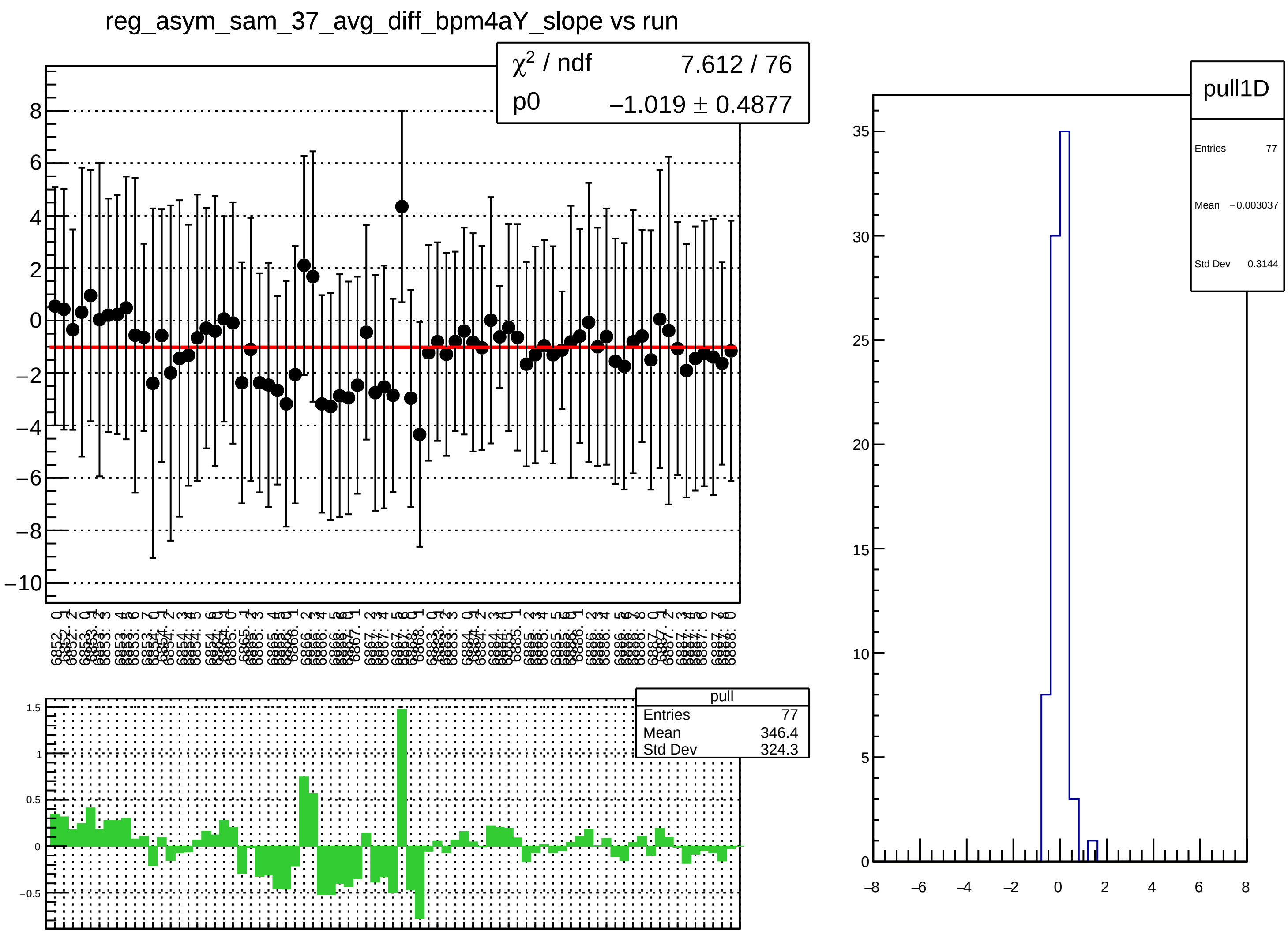

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 44.91 / 76
p0 −37.11 ± 0.6166
pull
Entries 77
Mean 198
Std Dev 173.9
pull1D
Entries 77
Mean −0.03791
Std Dev 0.7627



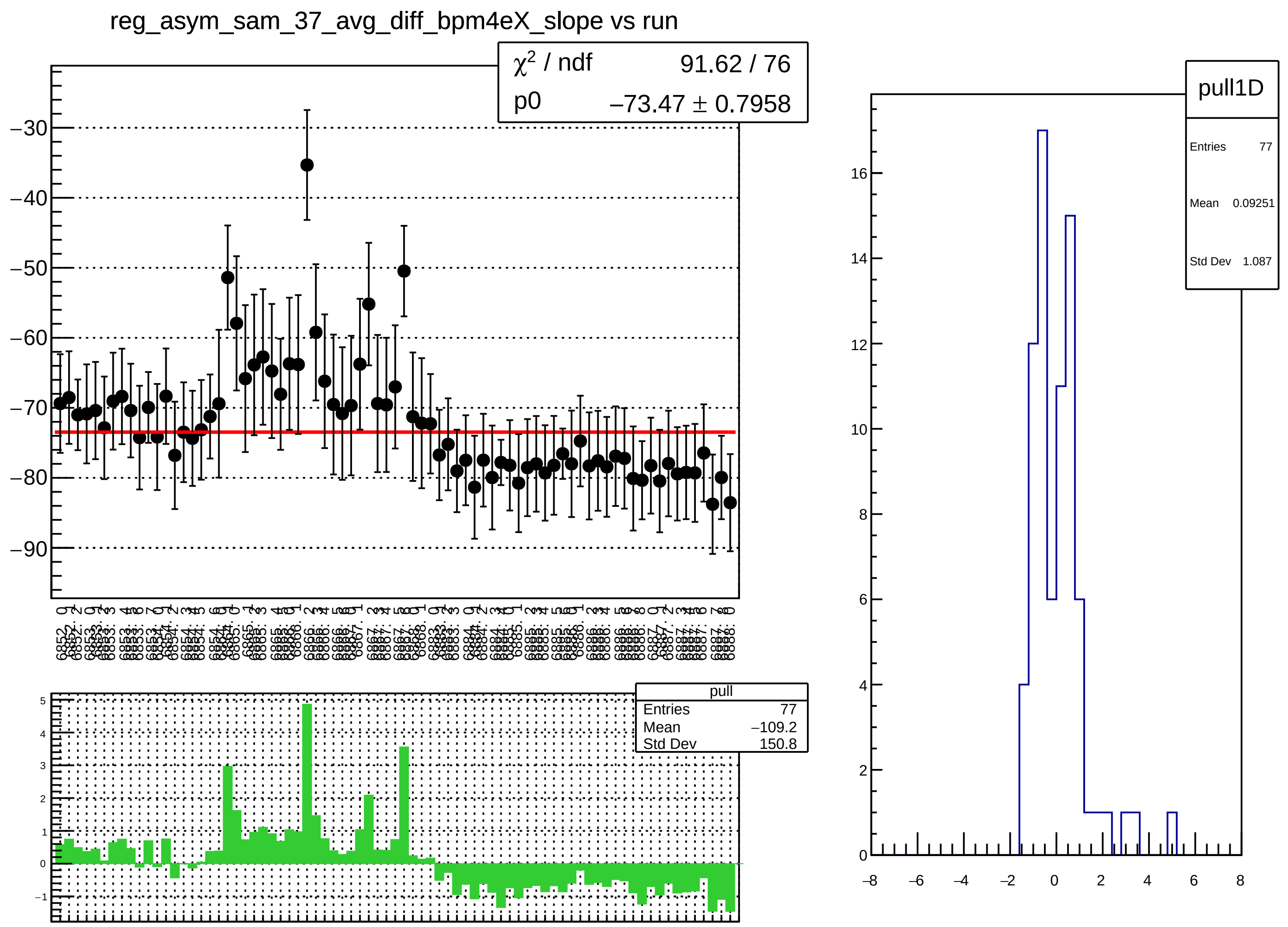
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 66.43 / 76
p0 0.2947 ± 0.03303
pull
Entries 77
Mean 322
Std Dev 285
pull1D
Entries 77
Mean 0.06525
Std Dev 0.9266

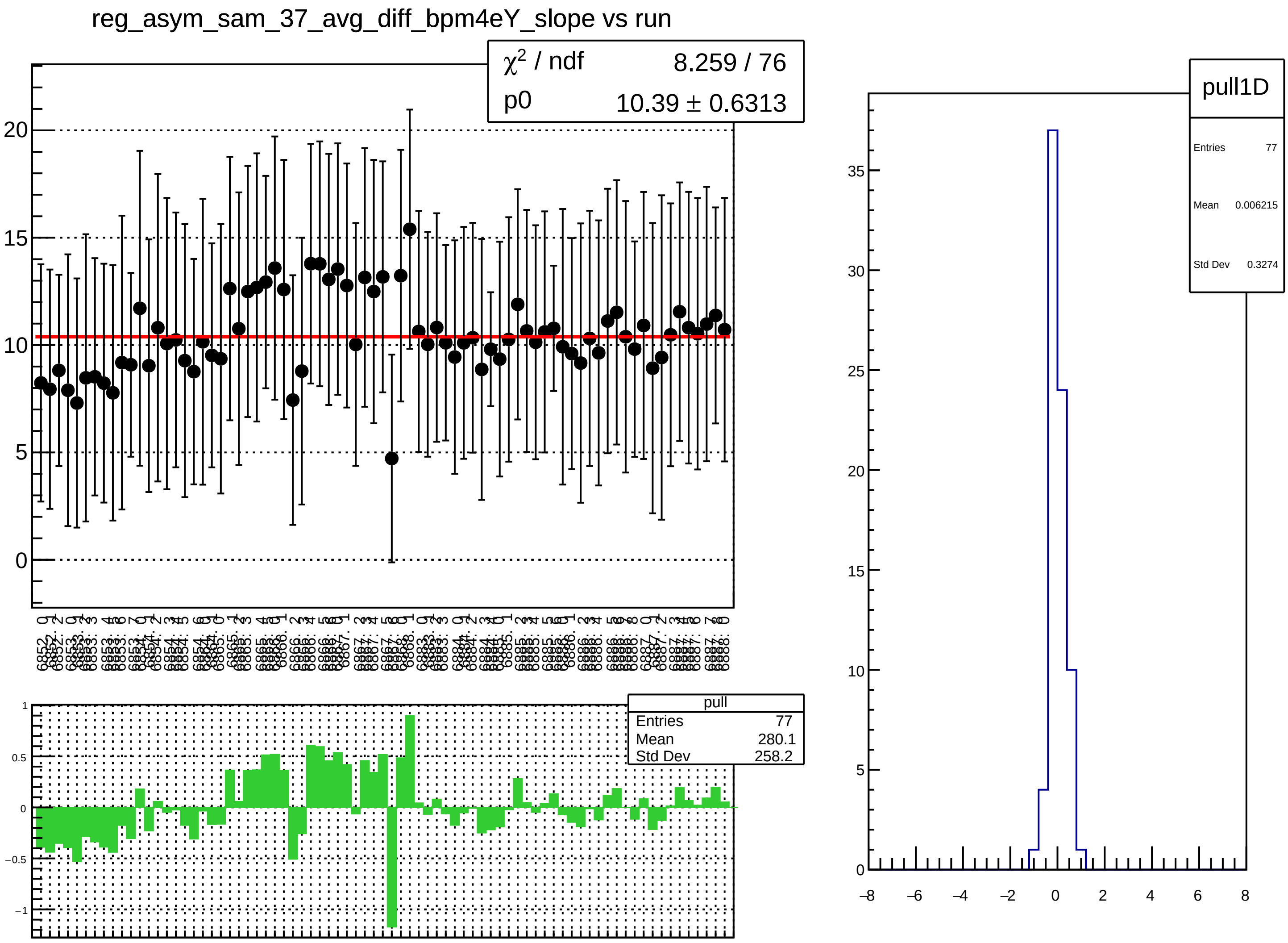


reg_asym_sam_37_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 113.5 / 76
p0 −2.276 ± 0.8306
pull
Entries 77
Mean −85.71
Std Dev 127.5
pull1D
Entries 77
Mean −0.1121
Std Dev 1.209

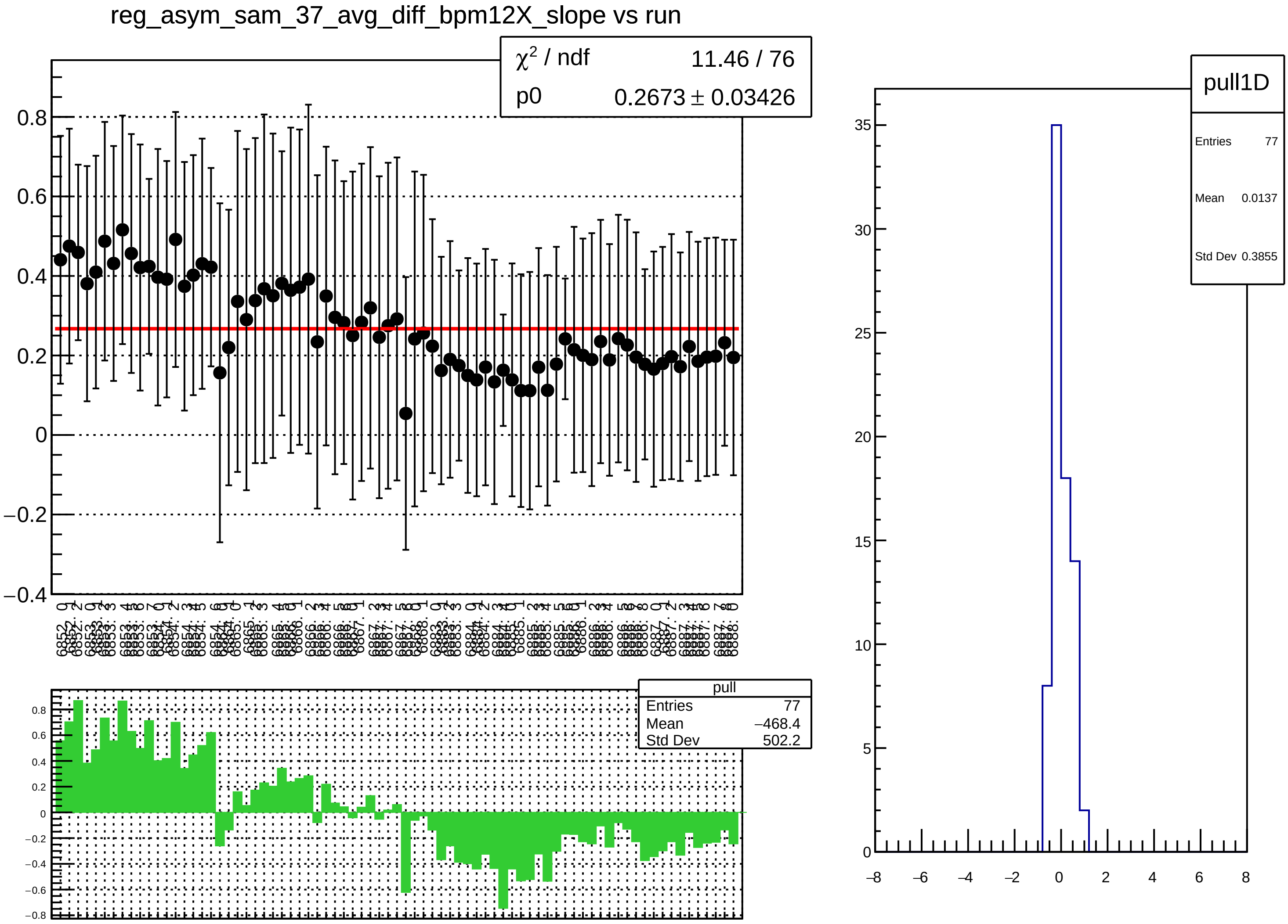


reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 7.612 / 76
p0 −1.019 ± 0.4877
pull
Entries 77
Mean 346.4
Std Dev 324.3
pull1D
Entries 77
Mean −0.003037
Std Dev 0.3144

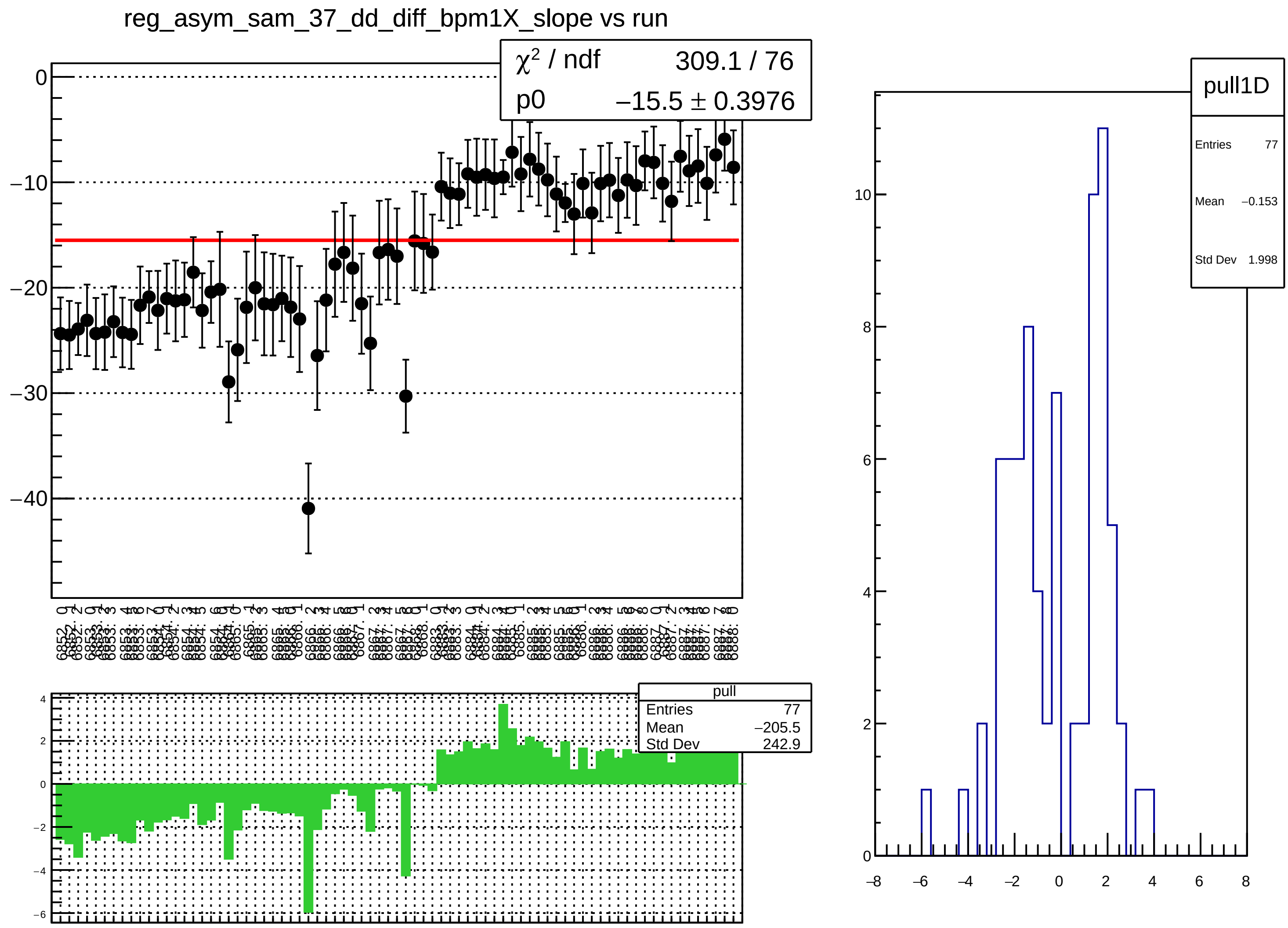

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ2 / ndf 91.62 / 76
p0 −73.47 ± 0.7958
pull
Entries 77
Mean −109.2
Std Dev 150.8
pull1D
Entries 77
Mean 0.09251
Std Dev 1.087

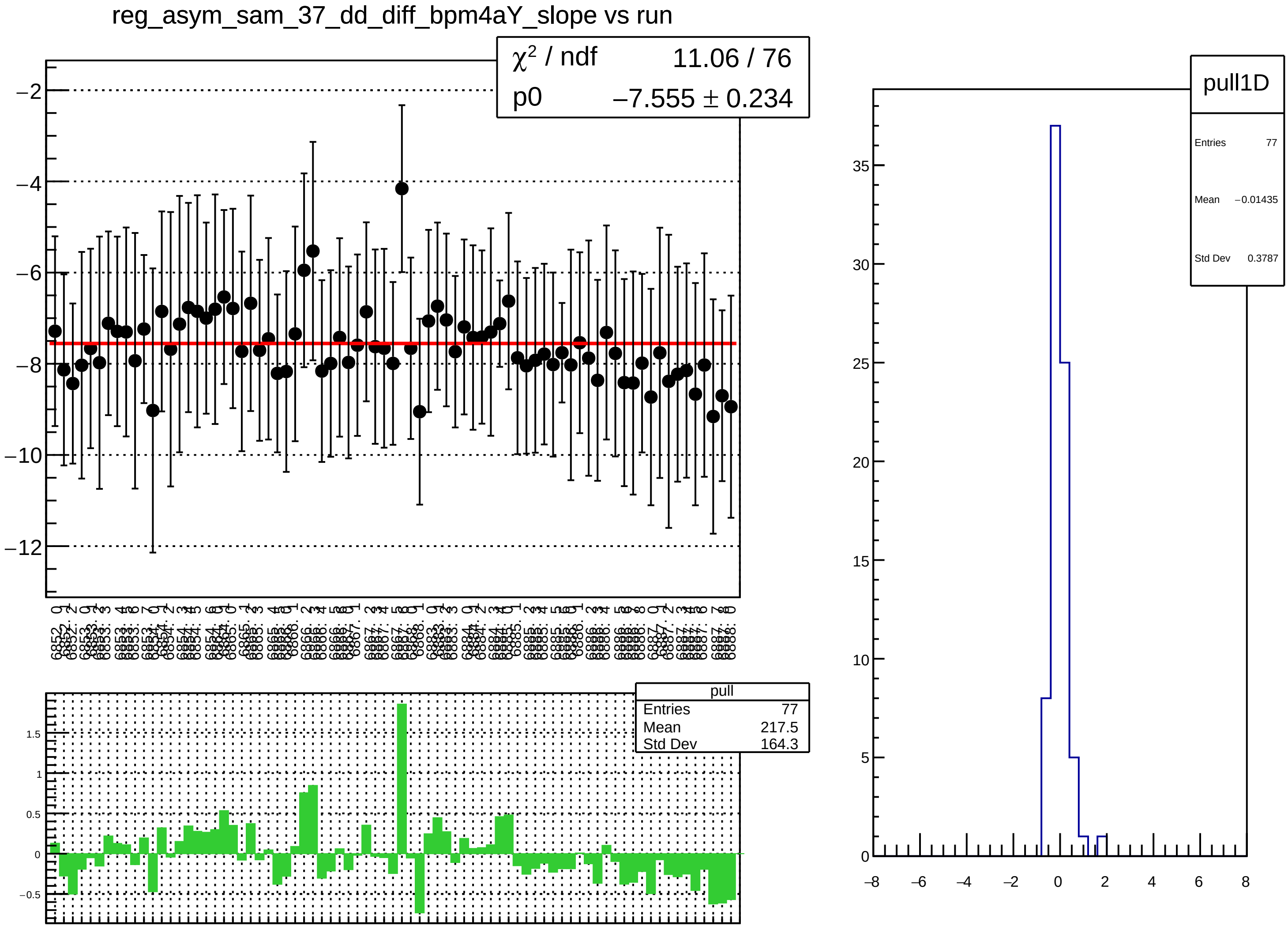


reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.259 / 76
p0 10.39 ± 0.6313
pull
Entries 77
Mean 280.1
Std Dev 258.2
pull1D
Entries 77
Mean 0.006215
Std Dev 0.3274

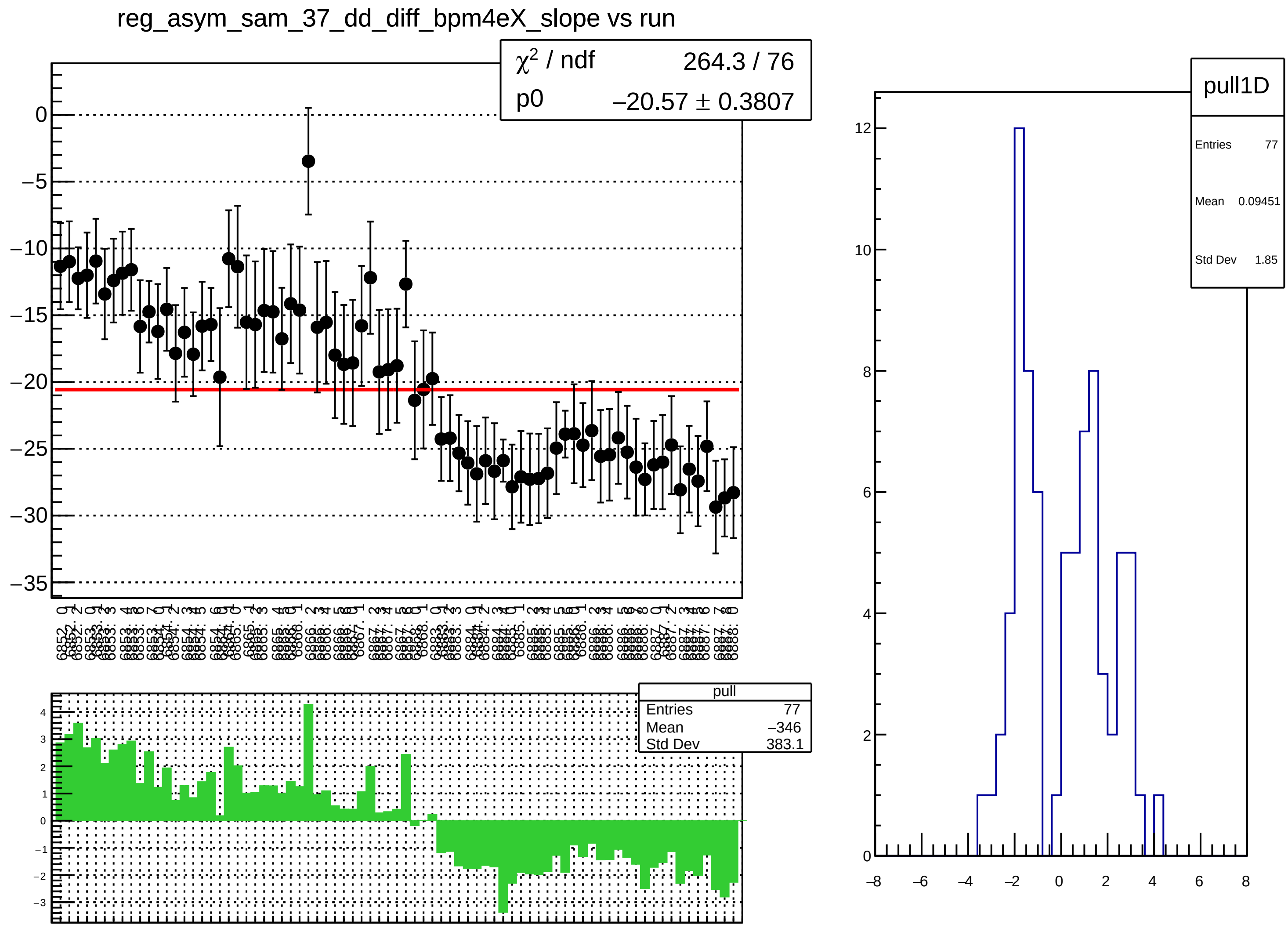


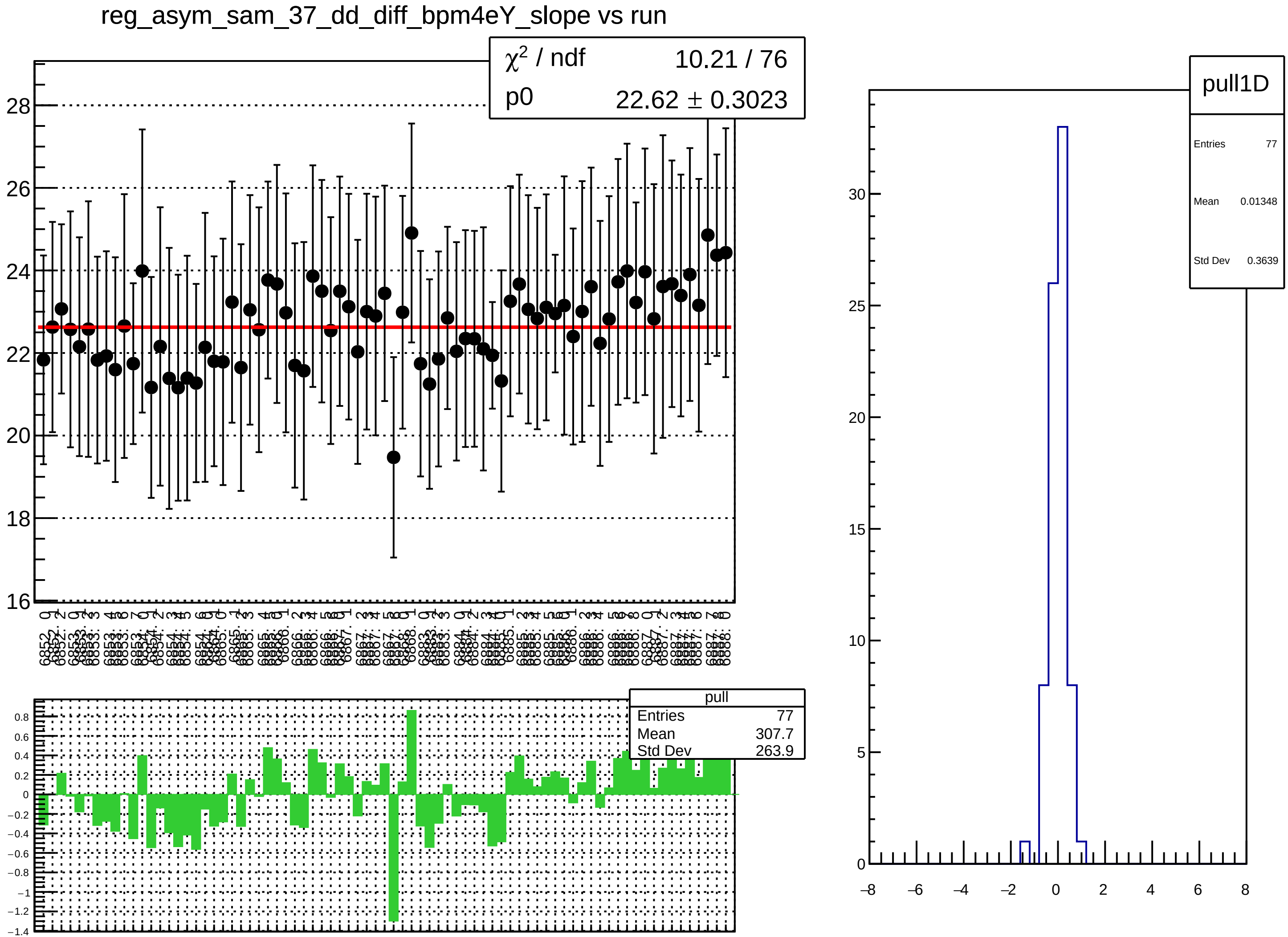
reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ2 / ndf 11.46 / 76
p0 0.2673 ± 0.03426
pull
Entries 77
Mean −468.4
Std Dev 502.2
pull1D
Entries 77
Mean 0.0137
Std Dev 0.3855


reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 309.1 / 76
p0 −15.5 ± 0.3976
0
−10
−20
−30
−40
pull
Entries 77
Mean −205.5
Std Dev 242.9
4
2
0
−2
−4
−6
pull1D
Entries 77
Mean −0.153
Std Dev 1.998
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

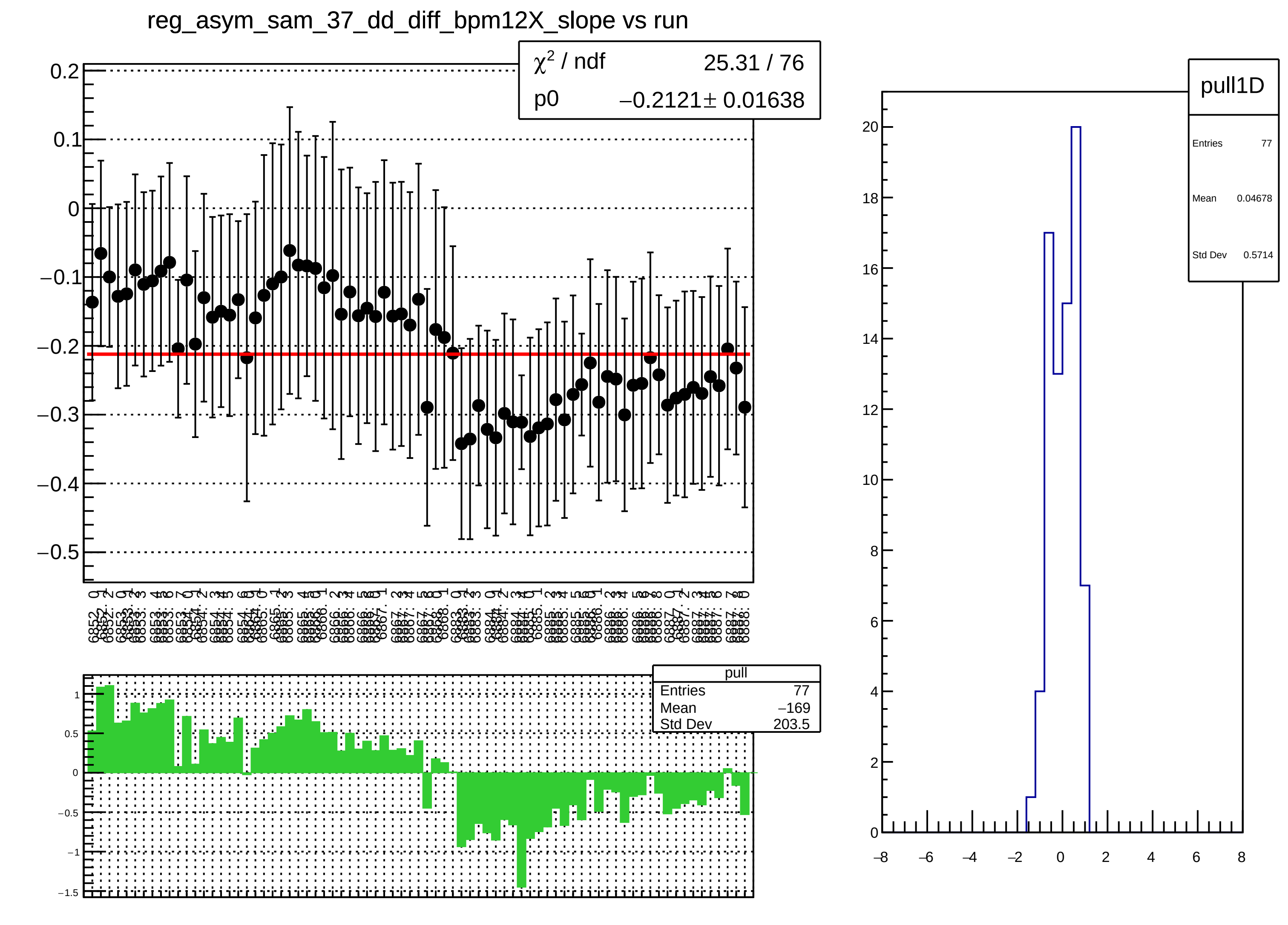


reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ2 / ndf 11.06 / 76
p0 −7.555 ± 0.234
pull
Entries 77
Mean 217.5
Std Dev 164.3
pull1D
Entries 77
Mean −0.01435
Std Dev 0.3787

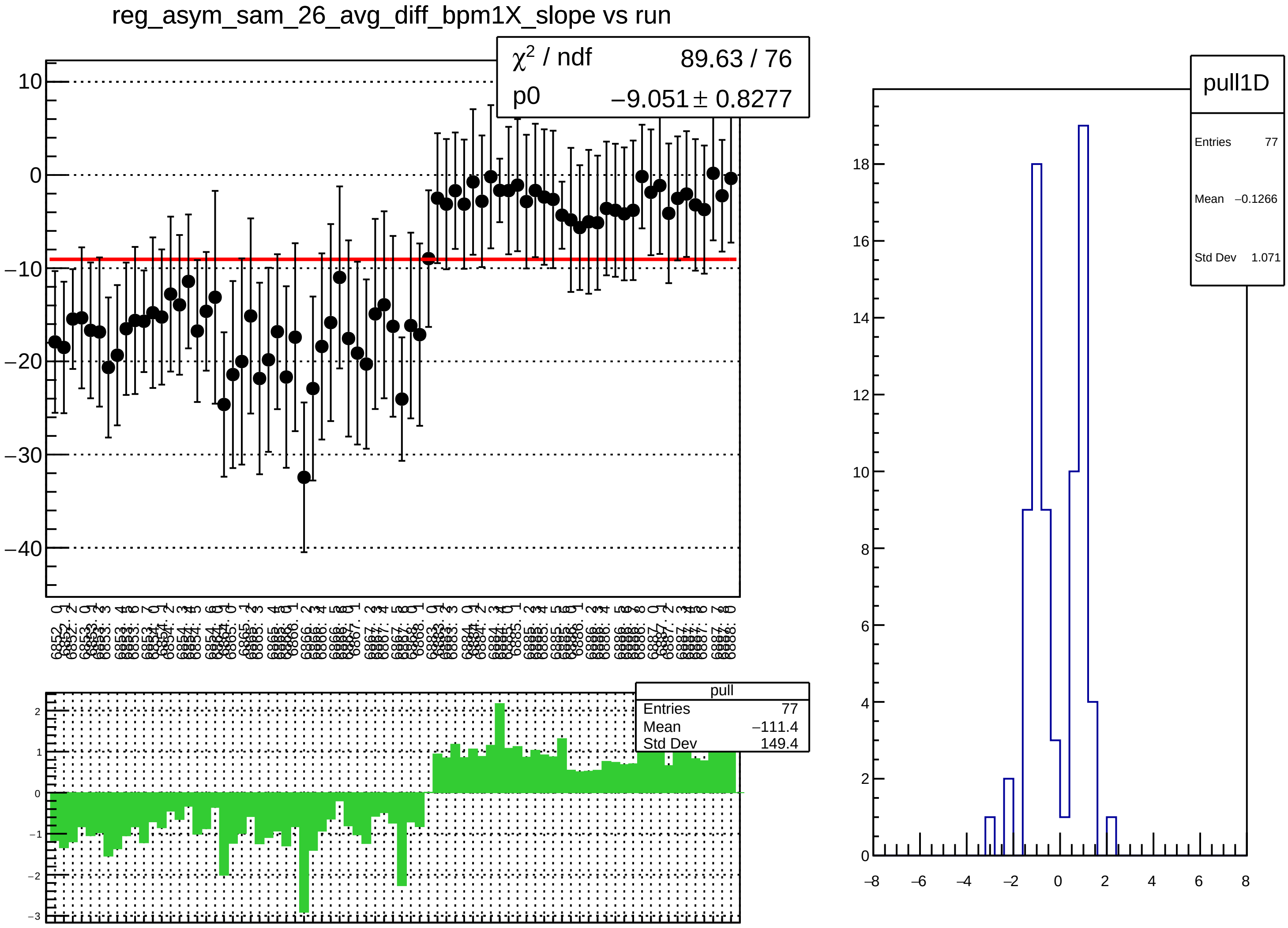

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 264.3 / 76
p0 −20.57 ± 0.3807
pull
Entries 77
Mean −346
Std Dev 383.1
pull1D
Entries 77
Mean 0.09451
Std Dev 1.85



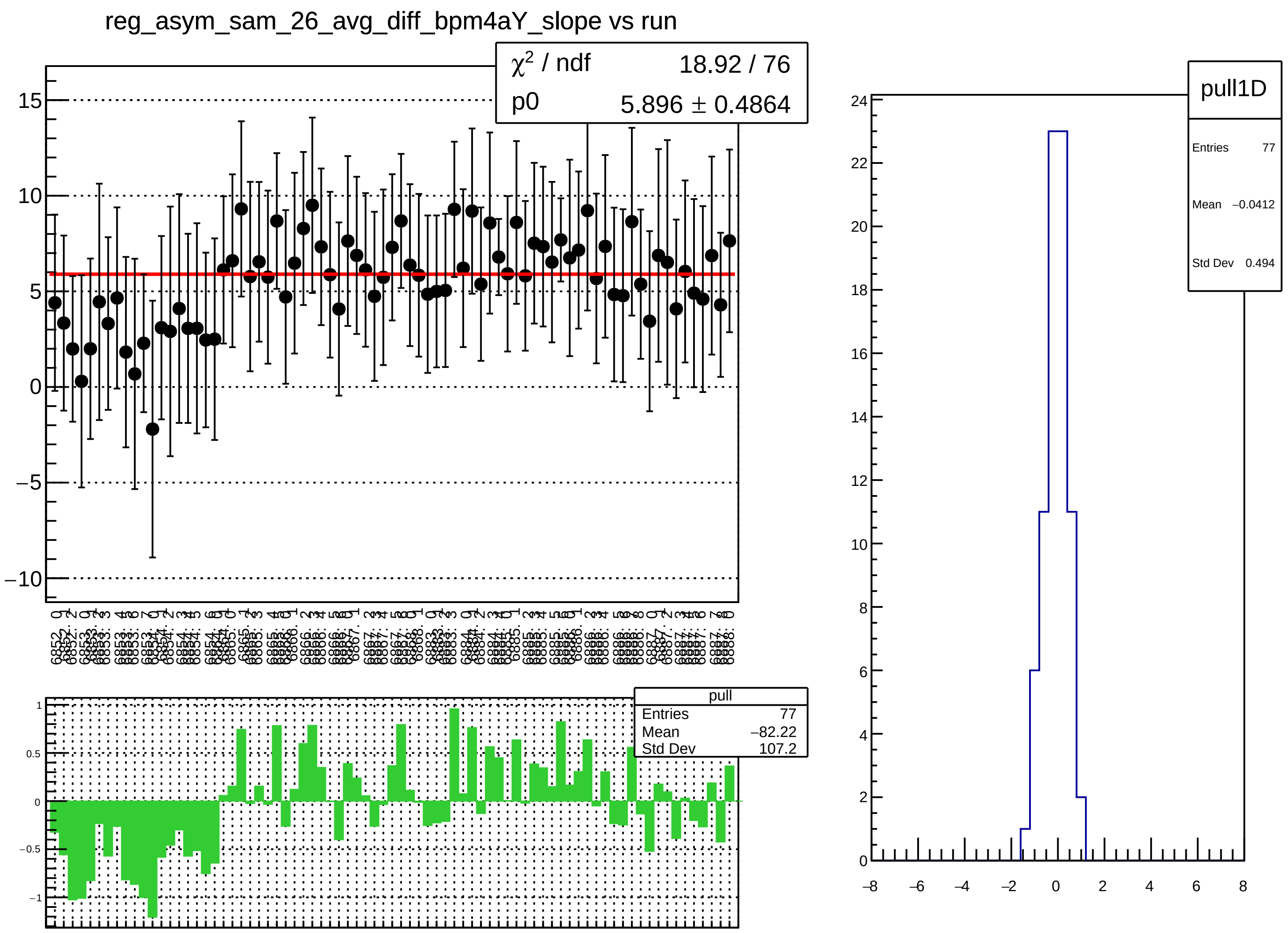
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 10.21 / 76
p0 22.62 ± 0.3023
pull
Entries 77
Mean 307.7
Std Dev 263.9
pull1D
Entries 77
Mean 0.01348
Std Dev 0.3639

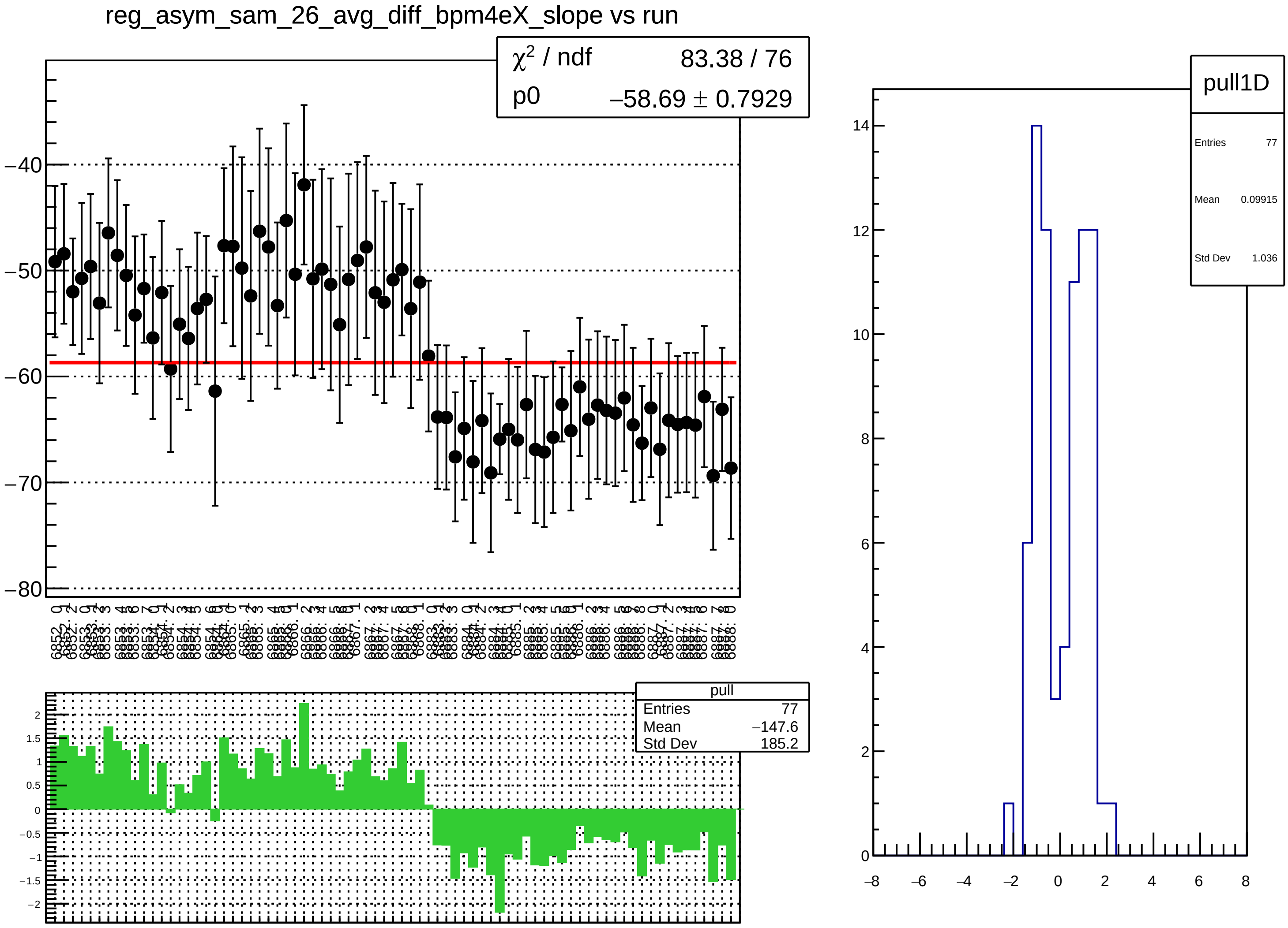


reg_asym_sam_37_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 25.31 / 76
p0 −0.2121 ± 0.01638
pull
Entries 77
Mean −169
Std Dev 203.5
pull1D
Entries 77
Mean 0.04678
Std Dev 0.5714

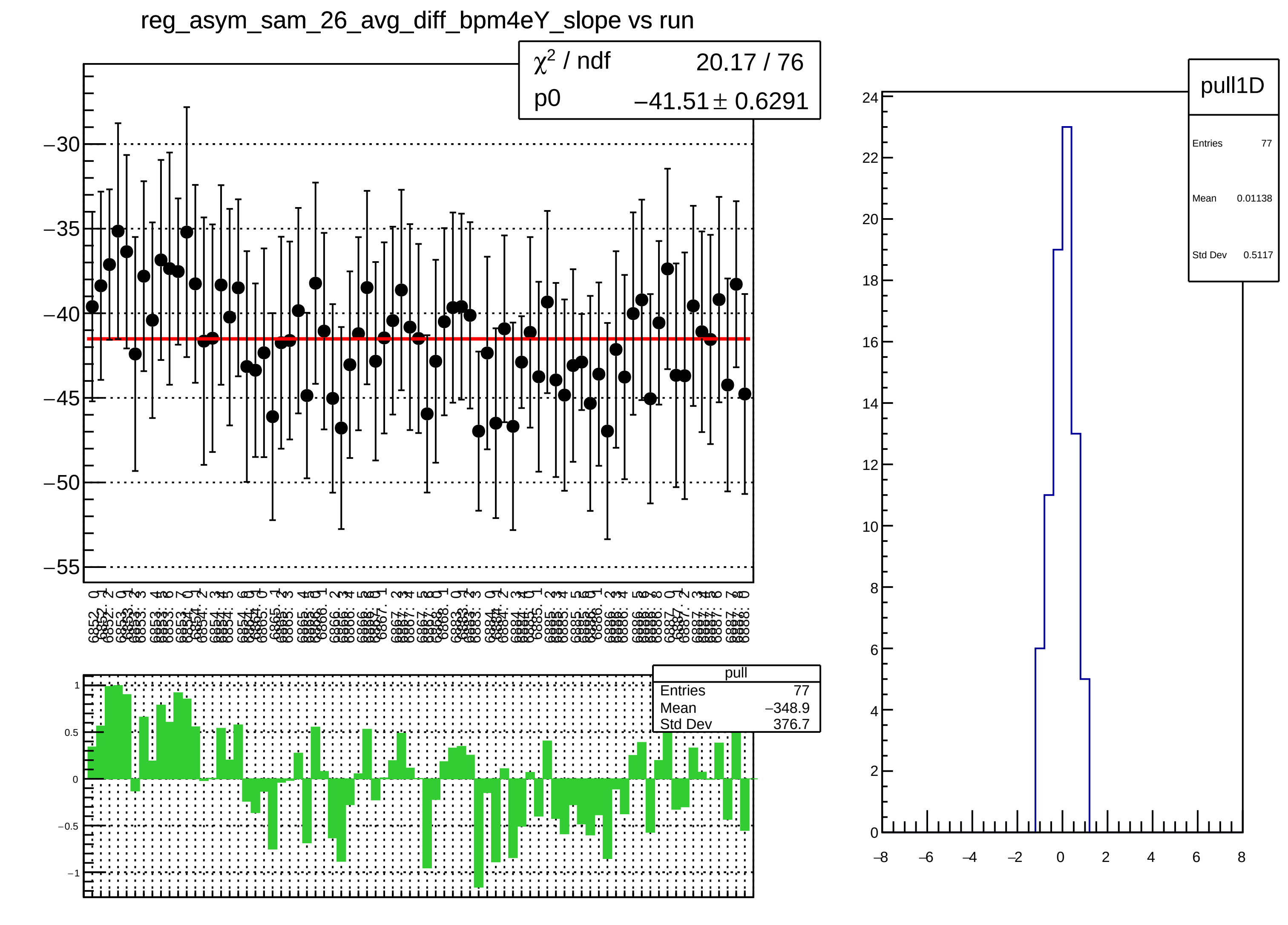


reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ2 / ndf 89.63 / 76
p0 −9.051 ± 0.8277
pull
Entries 77
Mean −111.4
Std Dev 149.4
pull1D
Entries 77
Mean −0.1266
Std Dev 1.071

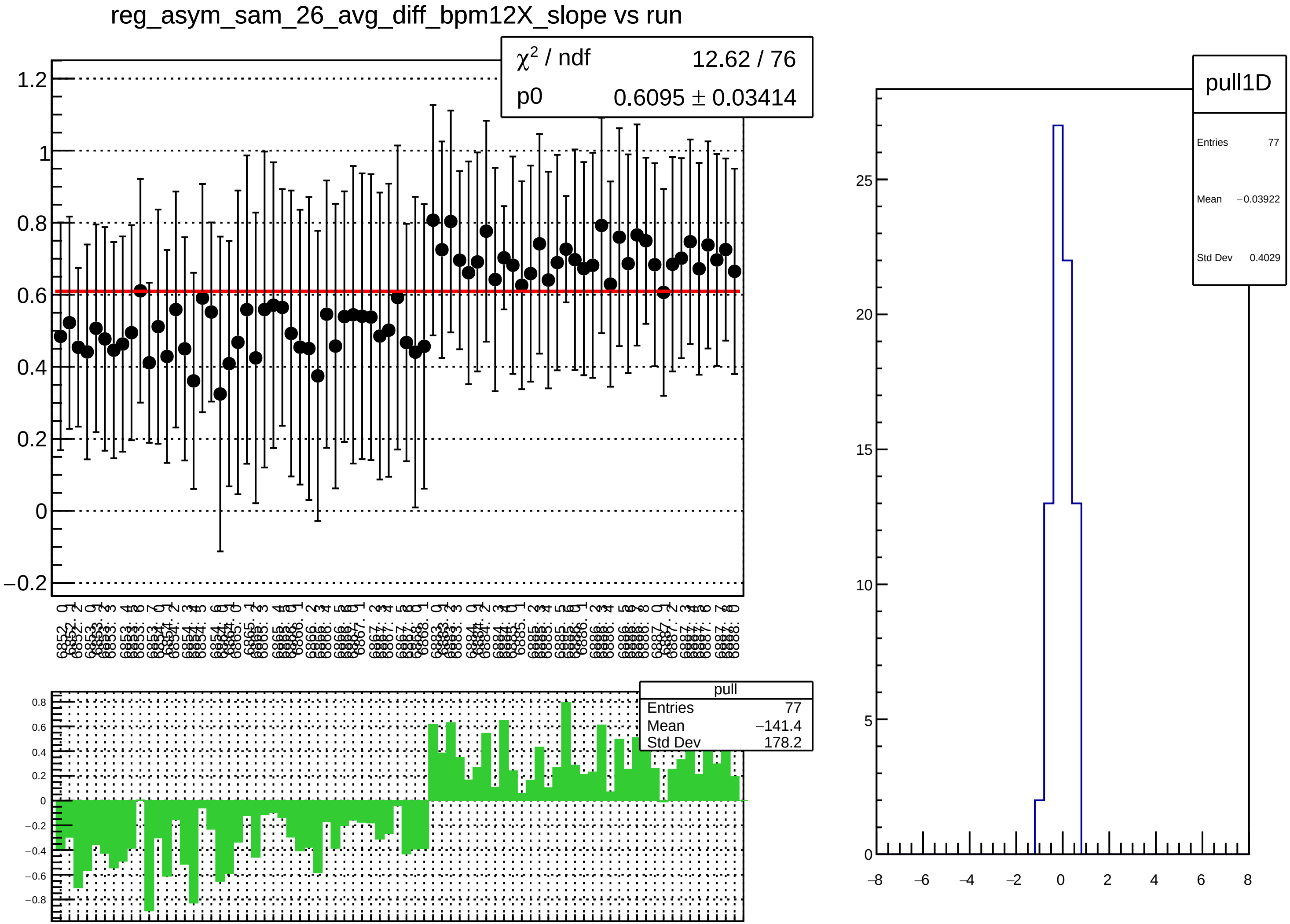

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 18.92 / 76
p0 5.896 ± 0.4864
pull
Entries 77
Mean −82.22
Std Dev 107.2
pull1D
Entries 77
Mean −0.0412
Std Dev 0.494



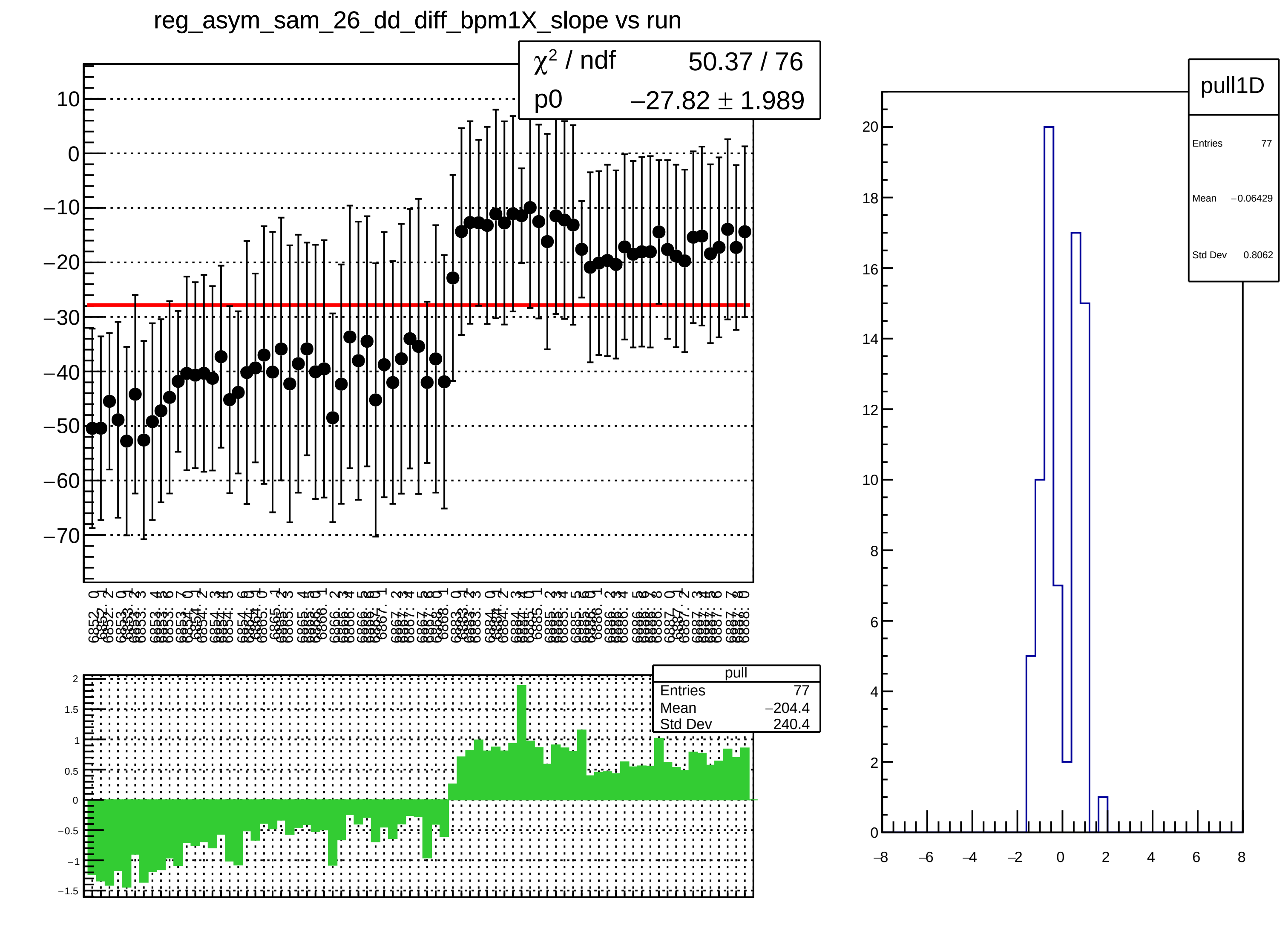
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 83.38 / 76
p0 −58.69 ± 0.7929
−40
−50
−60
−70
−80
pull
Entries 77
Mean −147.6
Std Dev 185.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean 0.09915
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



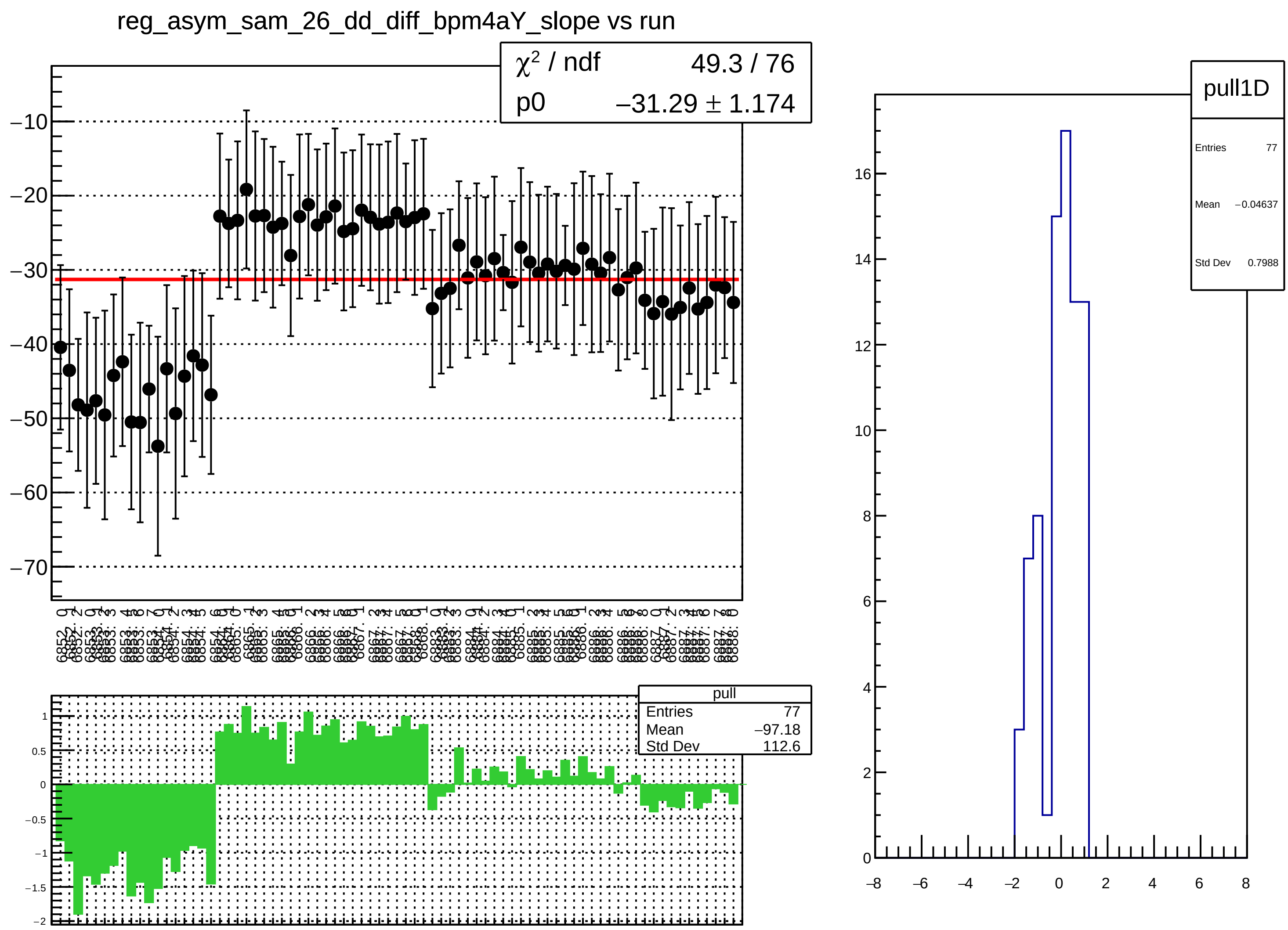
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 20.17 / 76
p0 −41.51 ± 0.6291
pull
Entries 77
Mean −348.9
Std Dev 376.7
pull1D
Entries 77
Mean 0.01138
Std Dev 0.5117



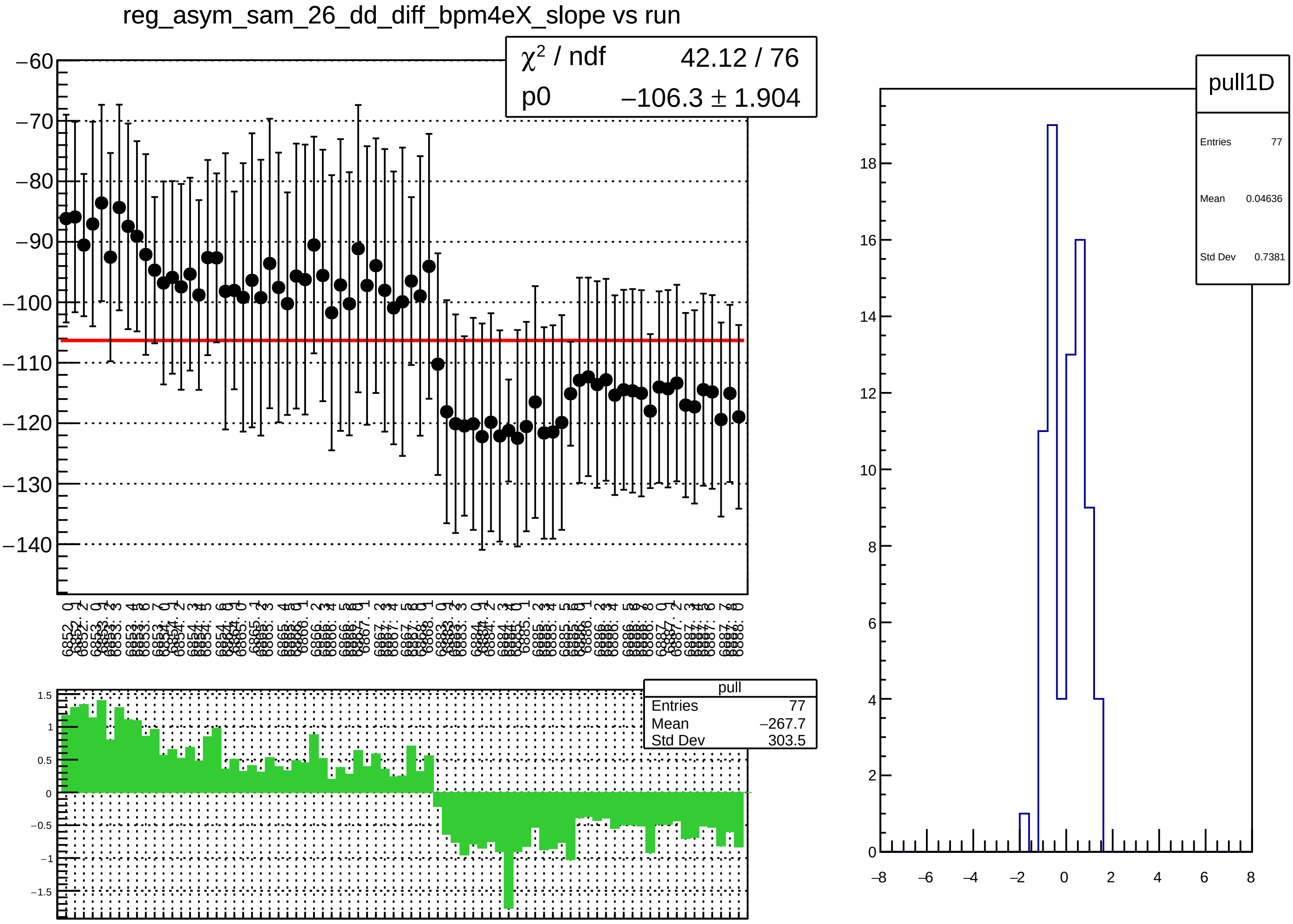
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 12.62 / 76
p0 0.6095 ± 0.03414
pull
Entries 77
Mean −141.4
Std Dev 178.2
pull1D
Entries 77
Mean −0.03922
Std Dev 0.4029



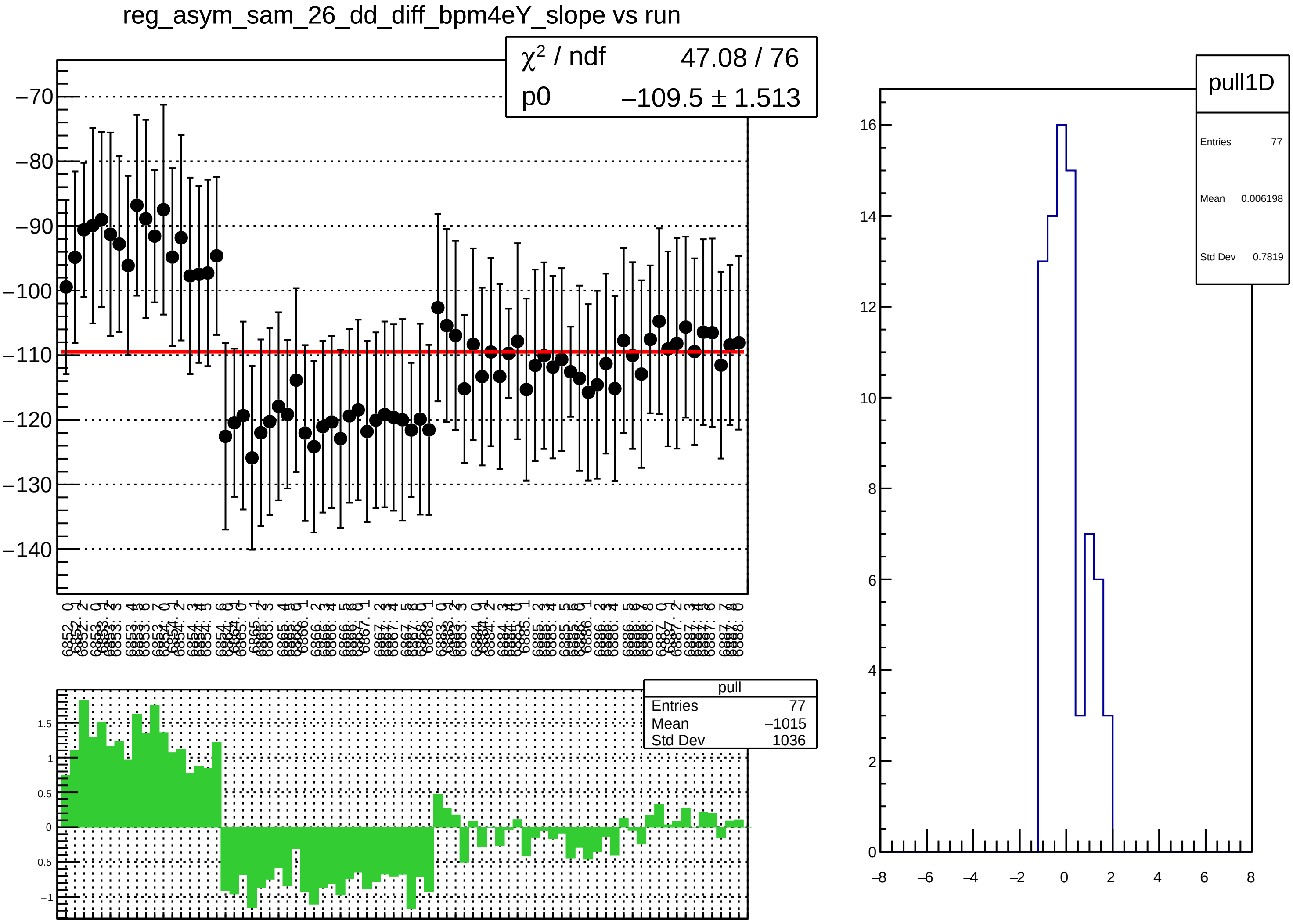
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 50.37 / 76
p0 −27.82 ± 1.989
pull
Entries 77
Mean −204.4
Std Dev 240.4
pull1D
Entries 77
Mean −0.06429
Std Dev 0.8062



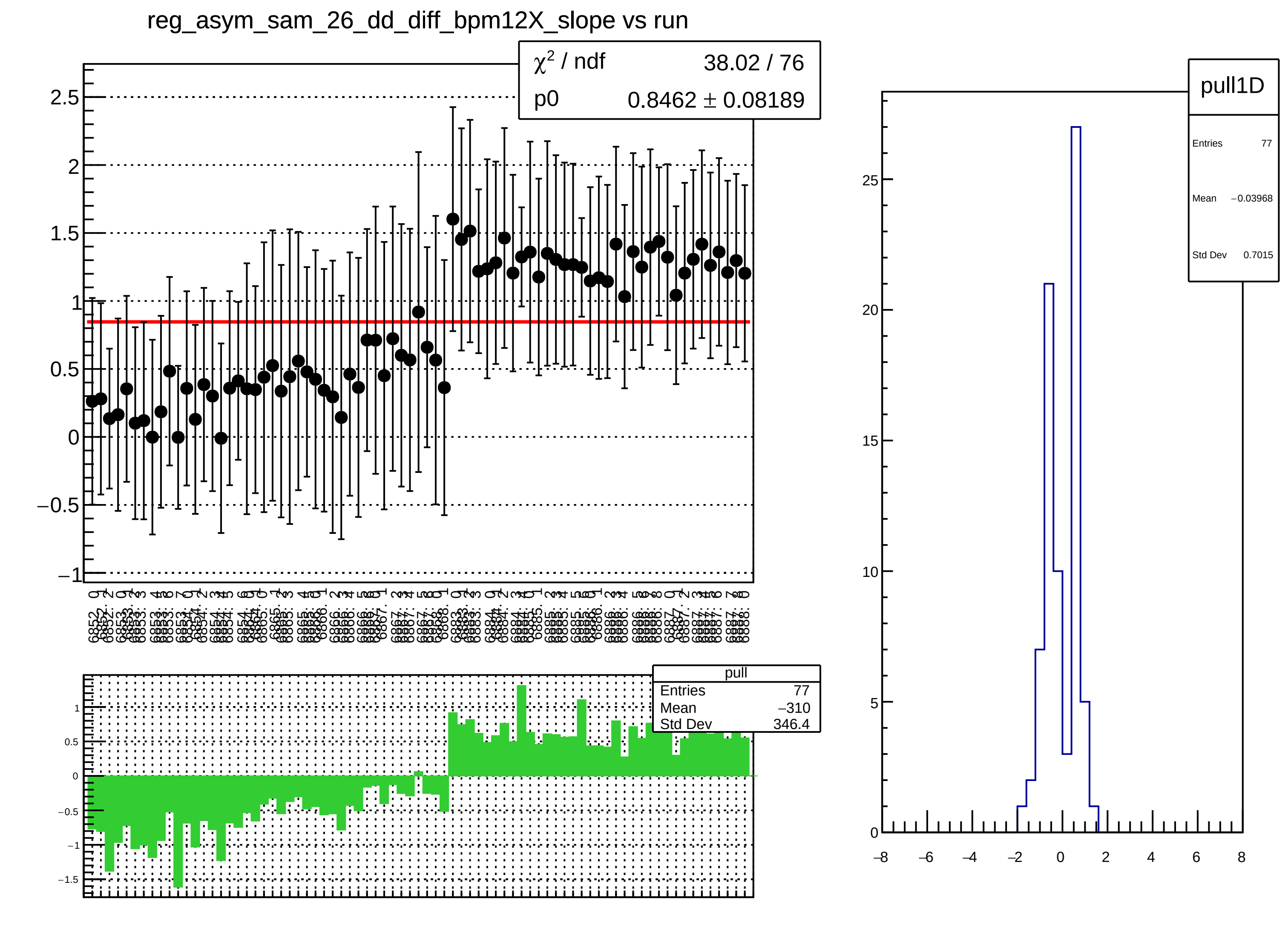
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 49.3 / 76
p0 −31.29 ± 1.174
pull
Entries 77
Mean −97.18
Std Dev 112.6
pull1D
Entries 77
Mean −0.04637
Std Dev 0.7988



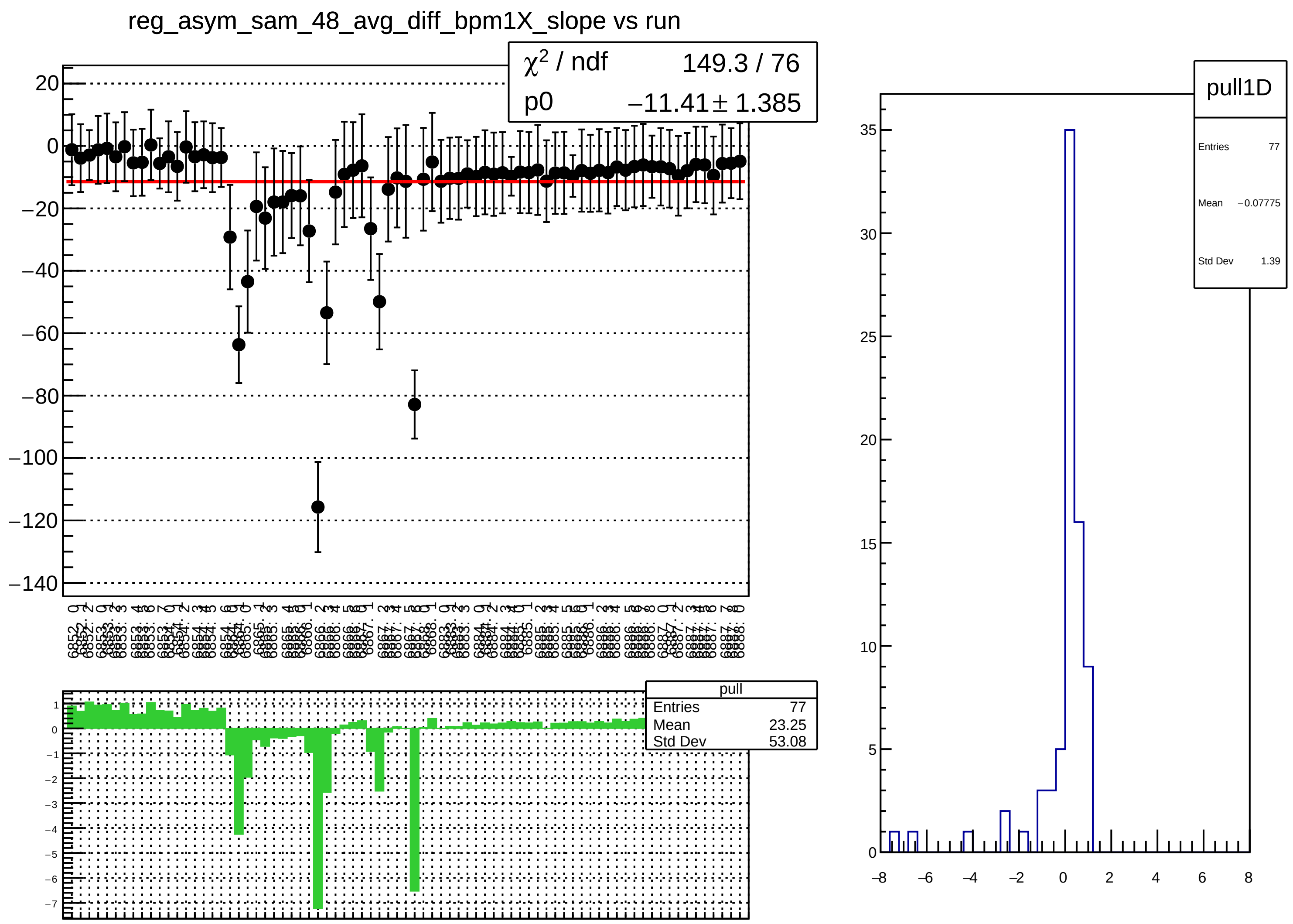
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 42.12 / 76
p0 −106.3 ± 1.904
pull
Entries 77
Mean −267.7
Std Dev 303.5
pull1D
Entries 77
Mean 0.04636
Std Dev 0.7381



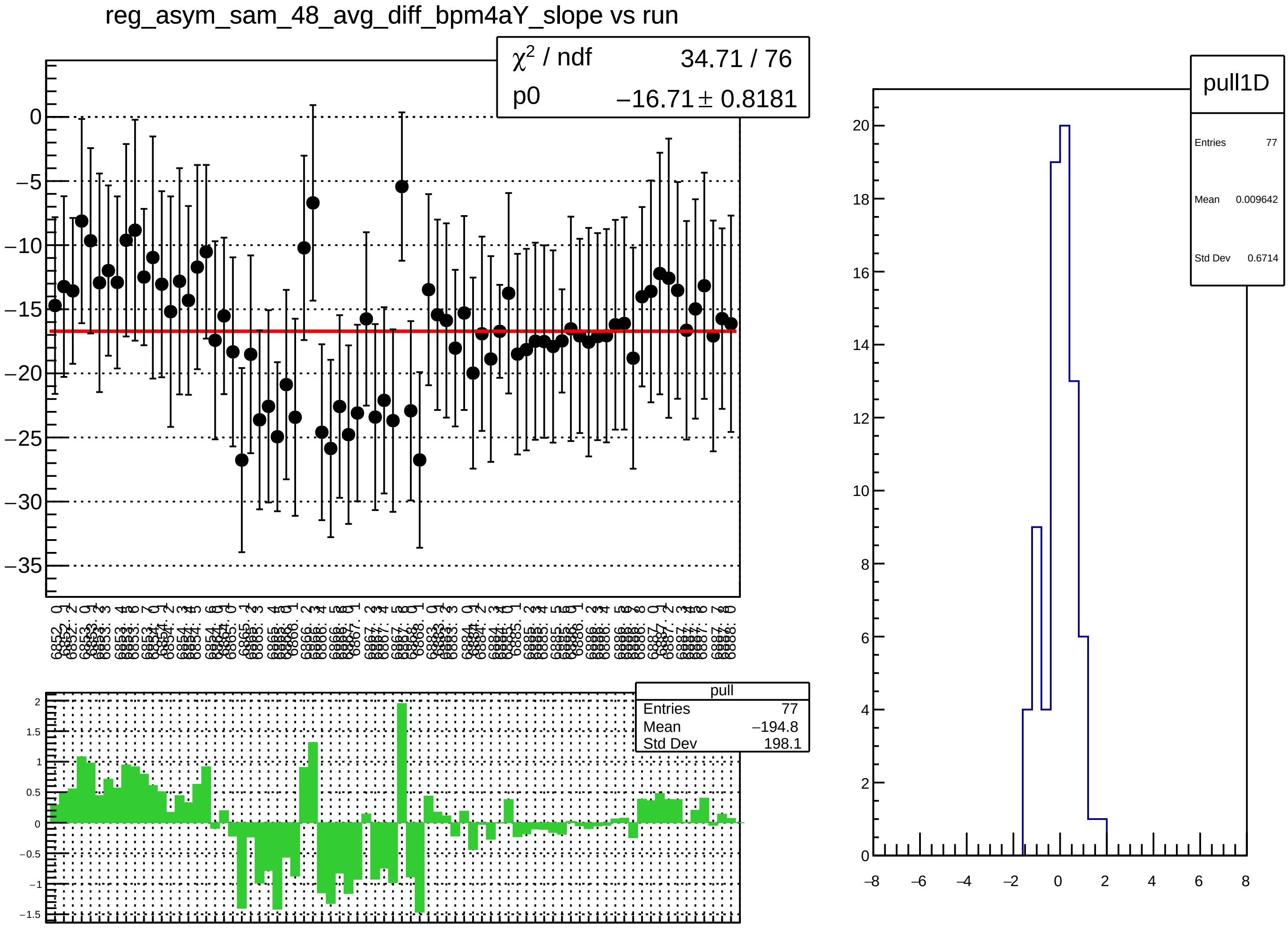
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 47.08 / 76
p0 −109.5 ± 1.513
pull
Entries 77
Mean −1015
Std Dev 1036
pull1D
Entries 77
Mean 0.006198
Std Dev 0.7819



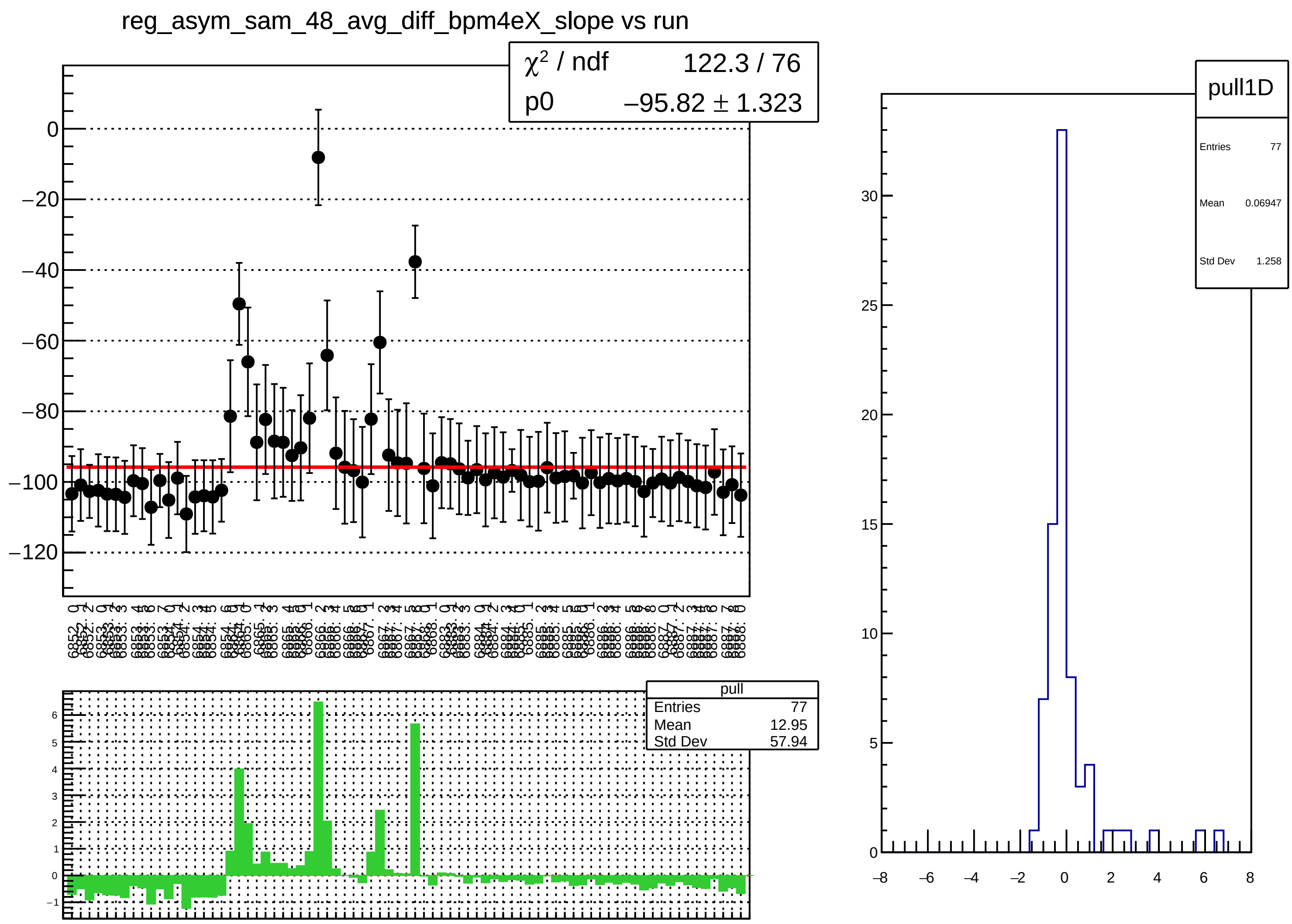
reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 38.02 / 76
p0 0.8462 ± 0.08189
pull
Entries 77
Mean −310
Std Dev 346.4
pull1D
Entries 77
Mean −0.03968
Std Dev 0.7015

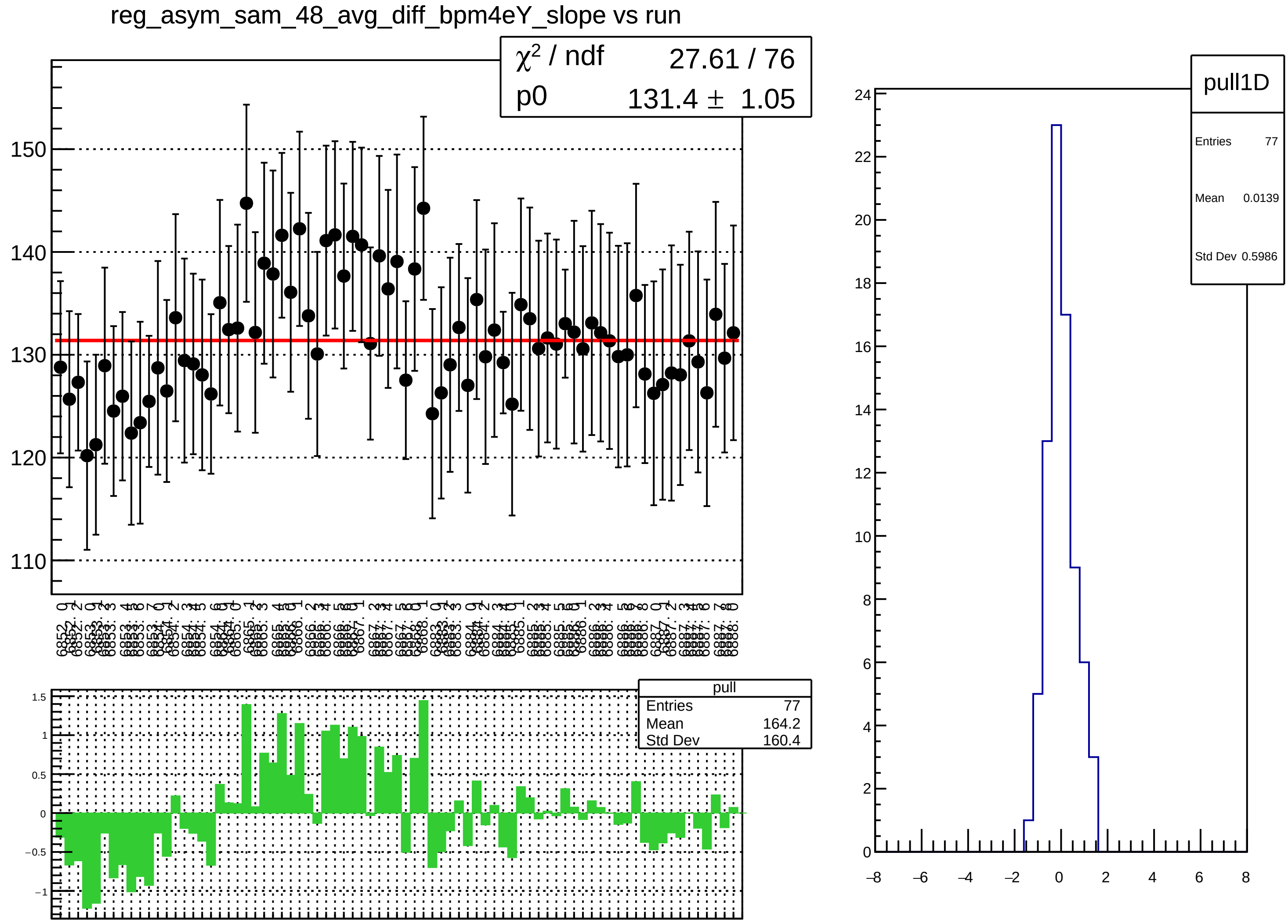


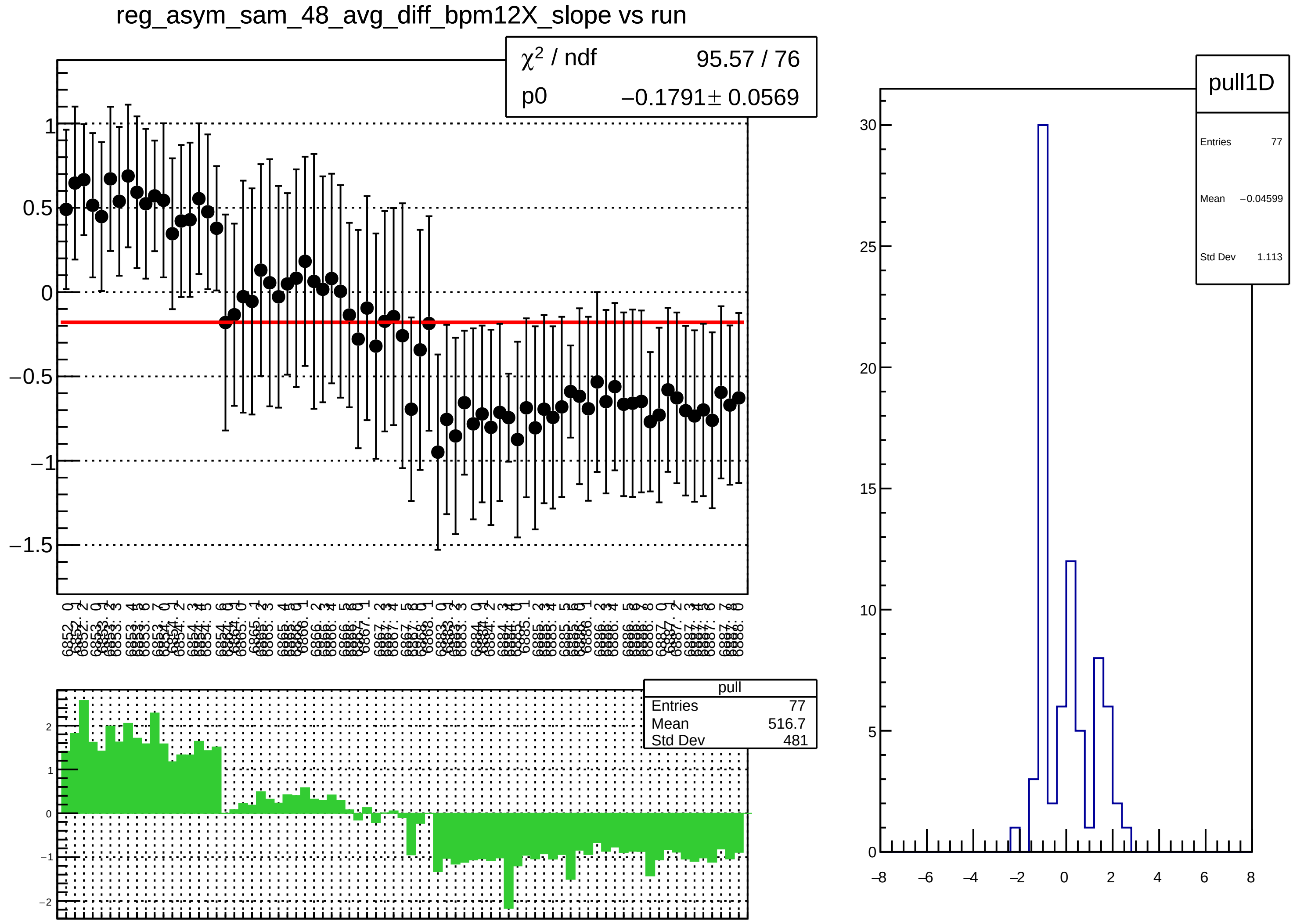
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 149.3 / 76
p0 −11.41 ± 1.385
pull
Entries 77
Mean 23.25
Std Dev 53.08
pull1D
Entries 77
Mean −0.07775
Std Dev 1.39

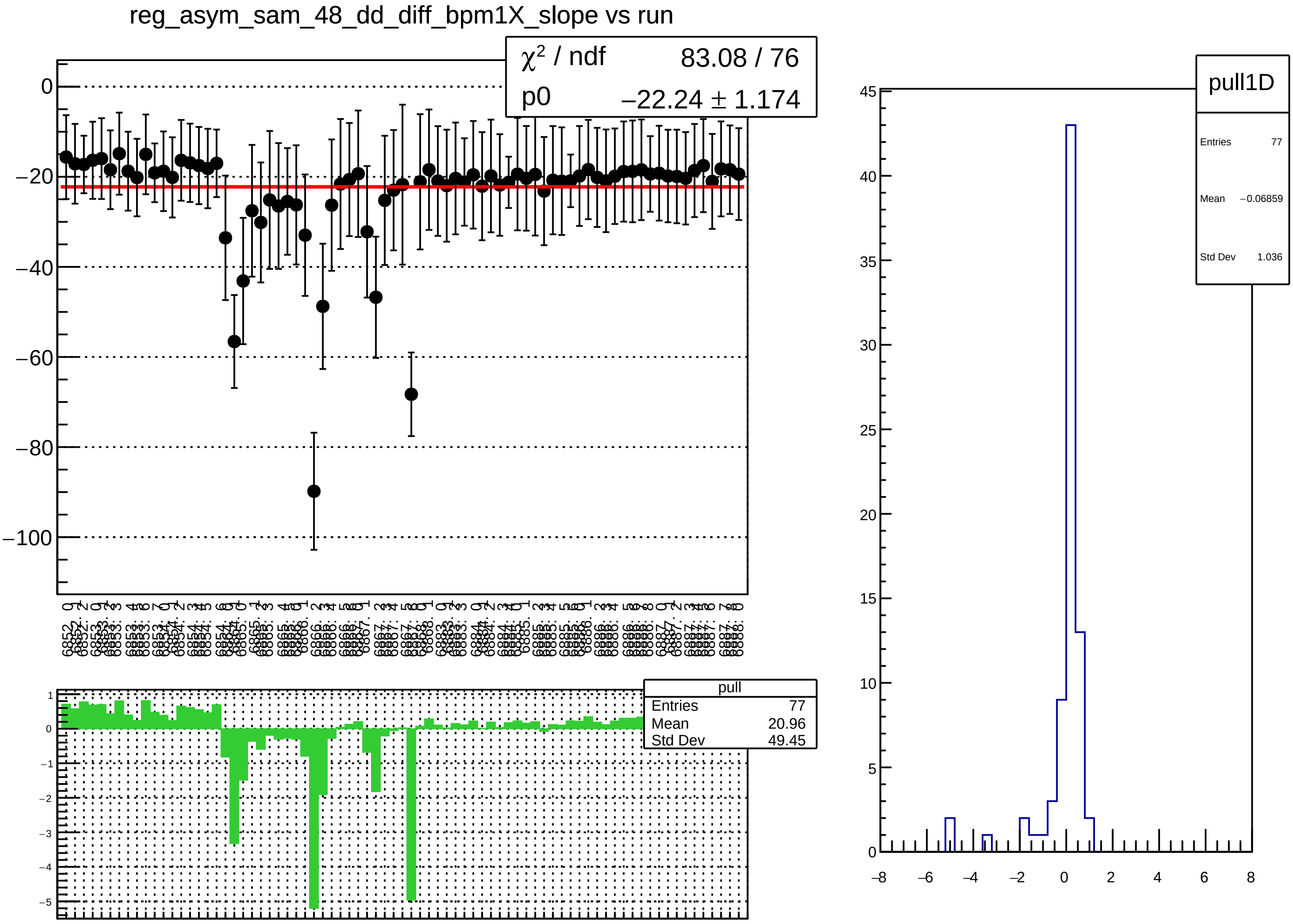


reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ2 / ndf 34.71 / 76
p0 −16.71 ± 0.8181
pull
Entries 77
Mean −194.8
Std Dev 198.1
pull1D
Entries 77
Mean 0.009642
Std Dev 0.6714

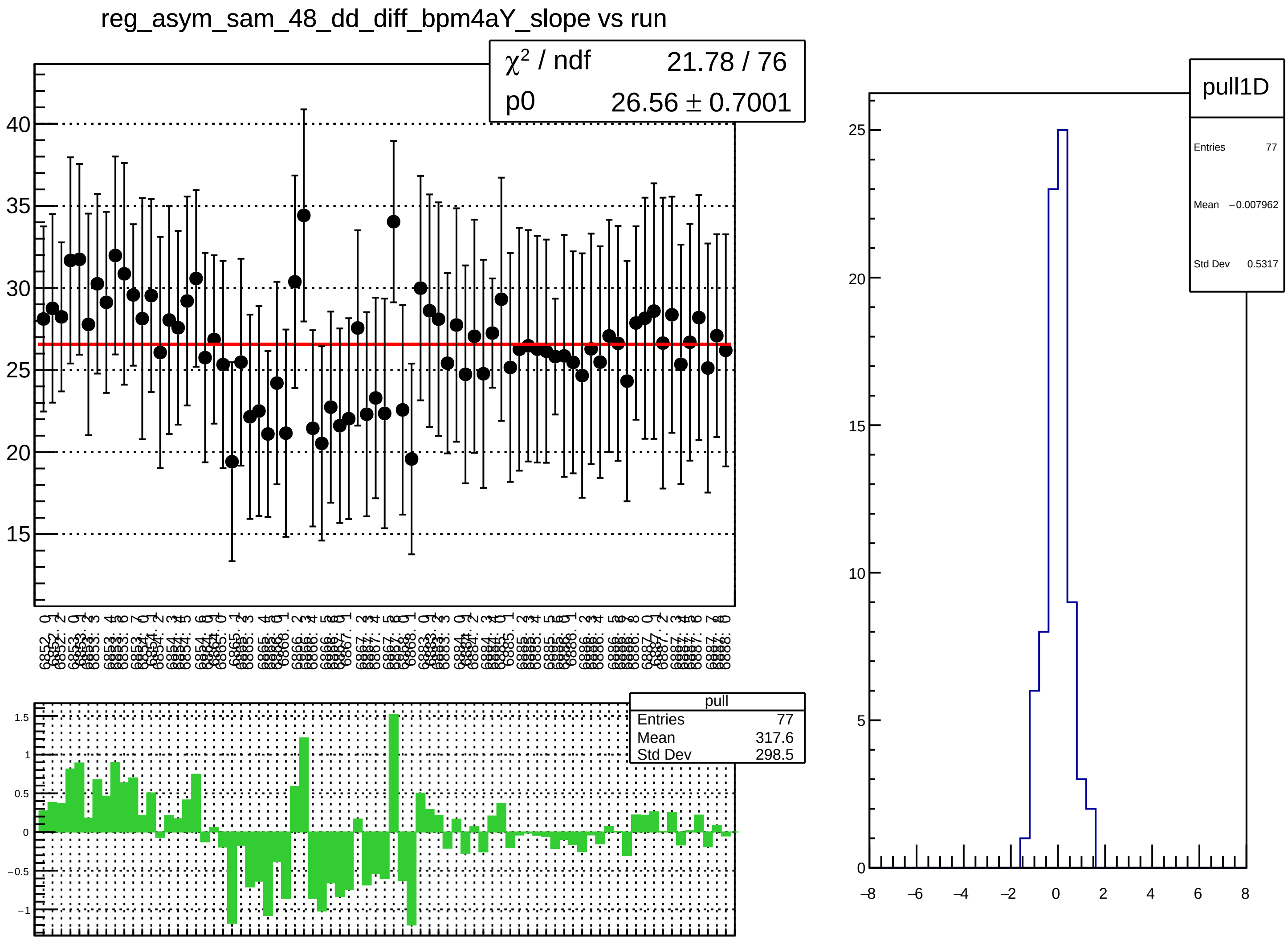

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 122.3 / 76
p0 −95.82 ± 1.323
pull
Entries 77
Mean 12.95
Std Dev 57.94
pull1D
Entries 77
Mean 0.06947
Std Dev 1.258

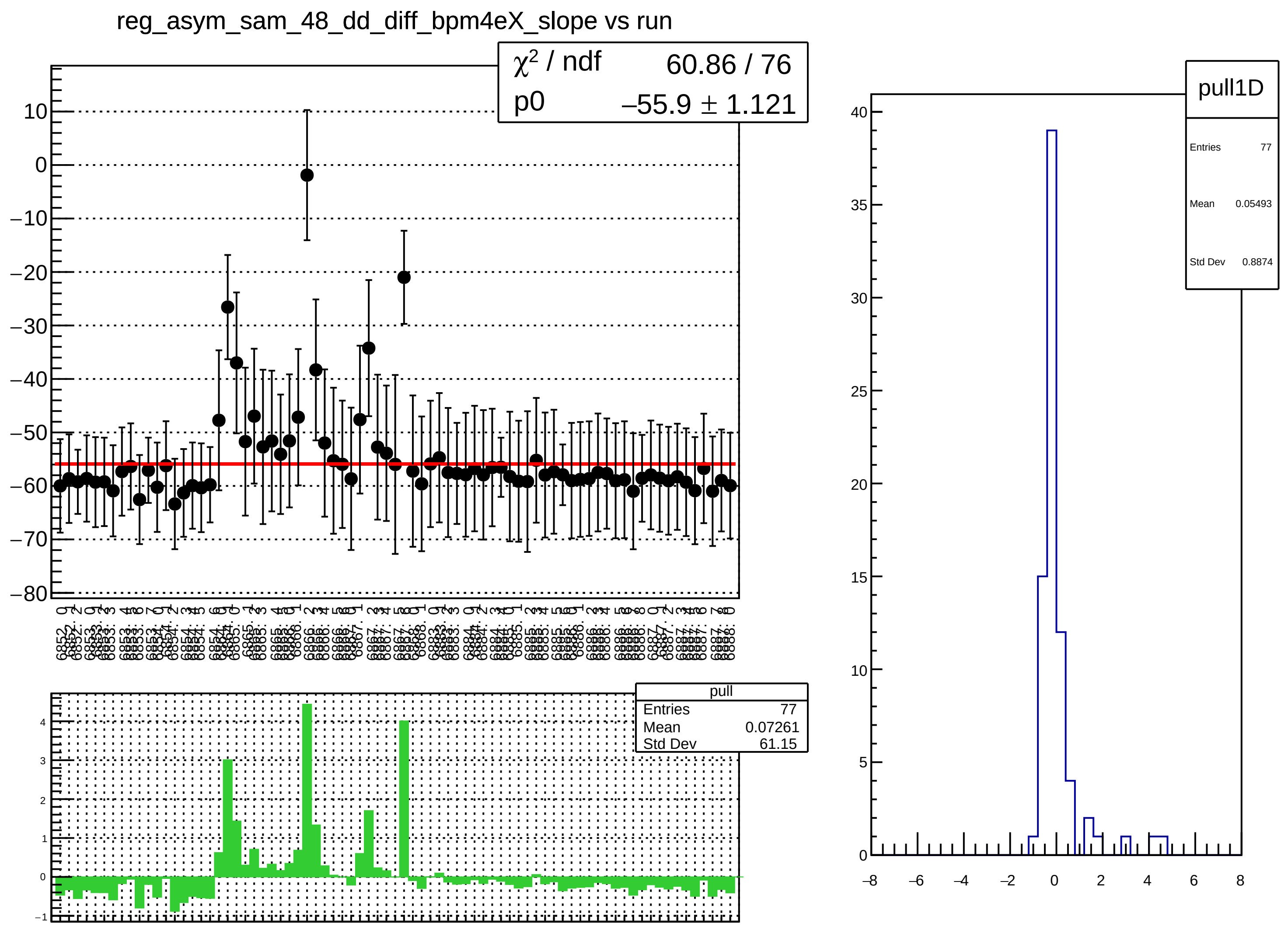

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 27.61 / 76
p0 131.4 ± 1.05
pull
Entries 77
Mean 164.2
Std Dev 160.4
pull1D
Entries 77
Mean 0.0139
Std Dev 0.5986


reg_asym_sam_48_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 95.57 / 76
p0 −0.1791± 0.0569
pull
Entries 77
Mean 516.7
Std Dev 481
pull1D
Entries 77
Mean −0.04599
Std Dev 1.113

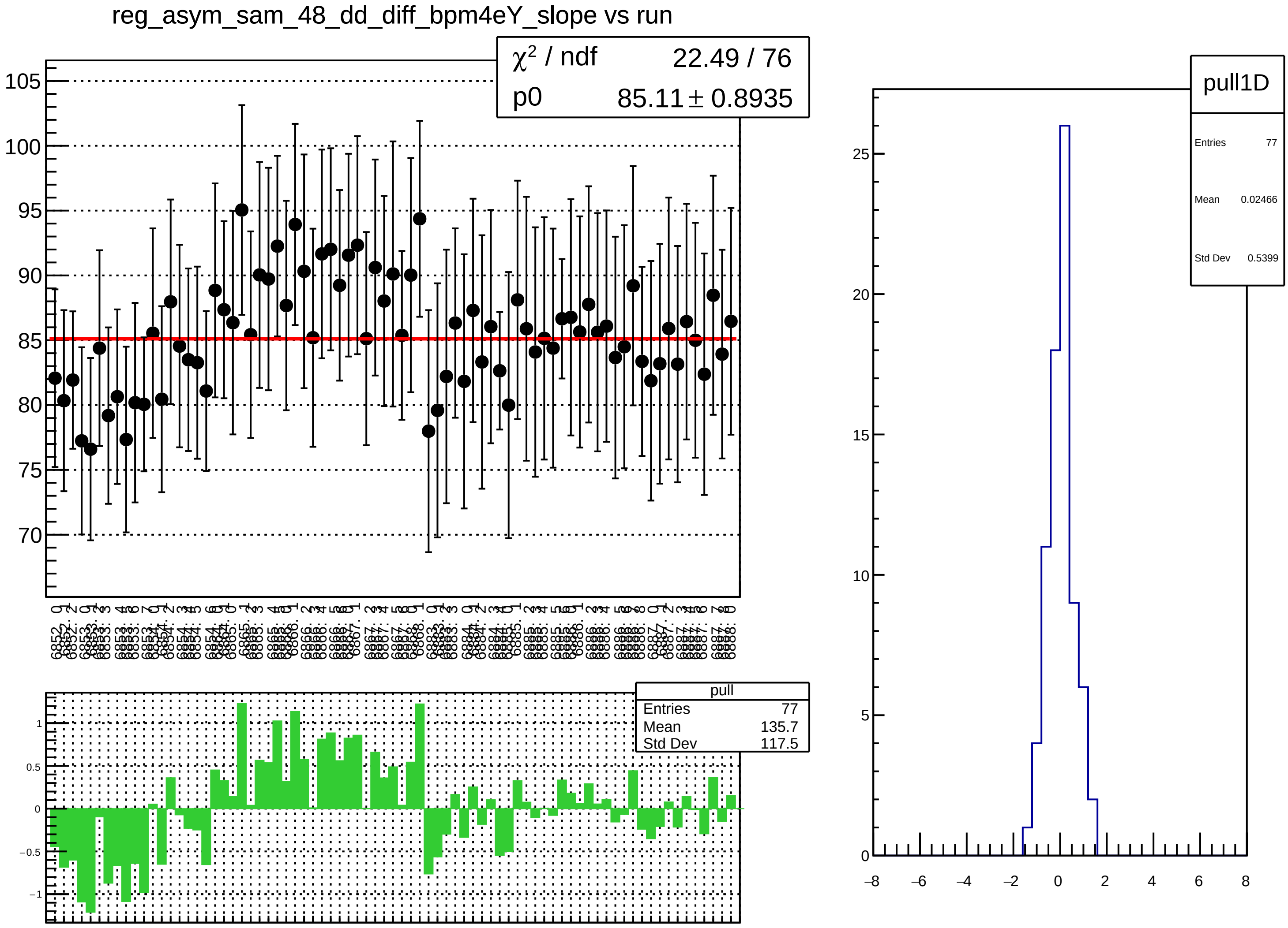


reg_asym_sam_48_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 83.08 / 76
p0 −22.24 ± 1.174
pull
Entries 77
Mean 20.96
Std Dev 49.45
pull1D
Entries 77
Mean −0.06859
Std Dev 1.036


reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 21.78 / 76
p0 26.56 ± 0.7001
pull
Entries 77
Mean 317.6
Std Dev 298.5
pull1D
Entries 77
Mean −0.007962
Std Dev 0.5317

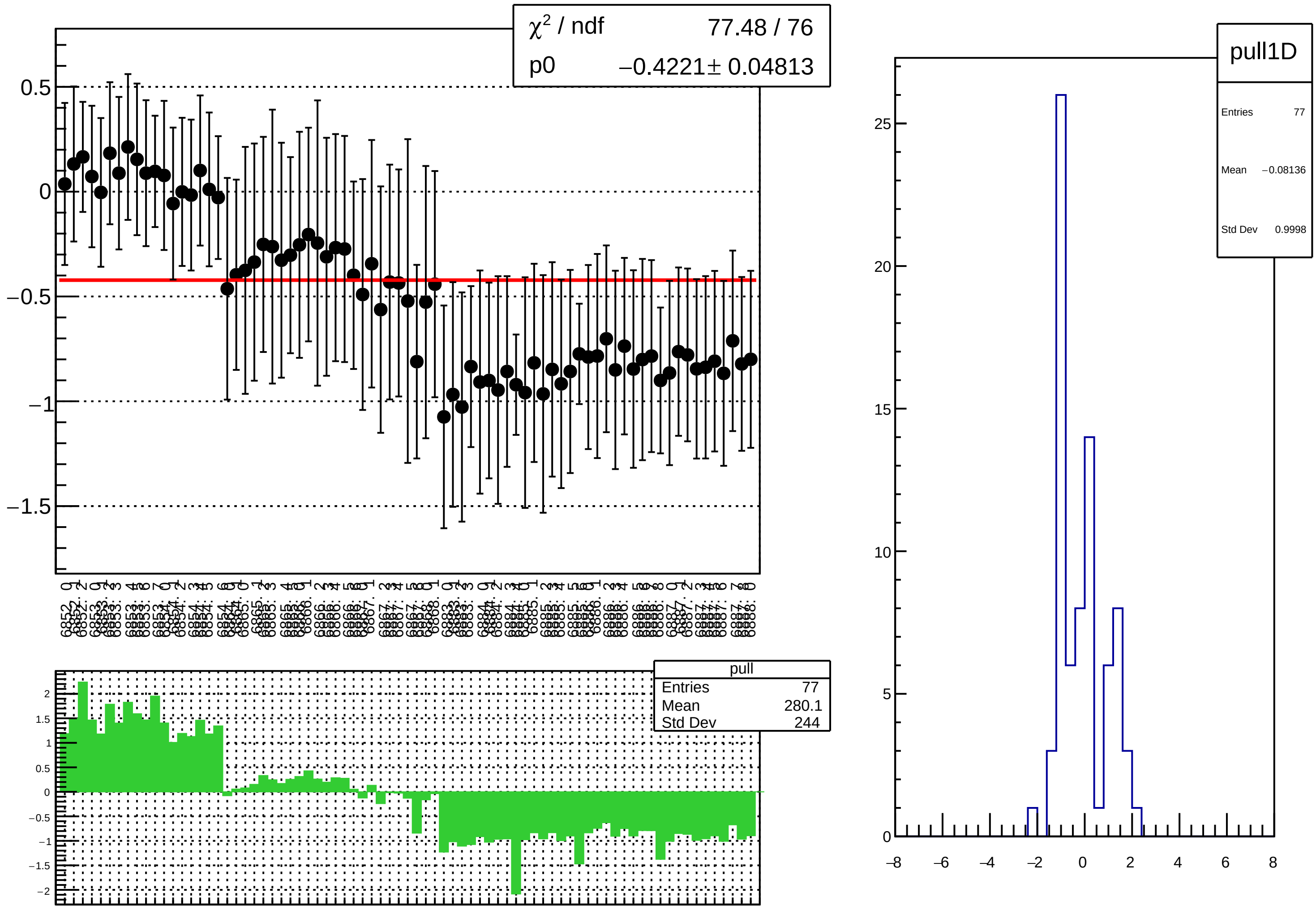


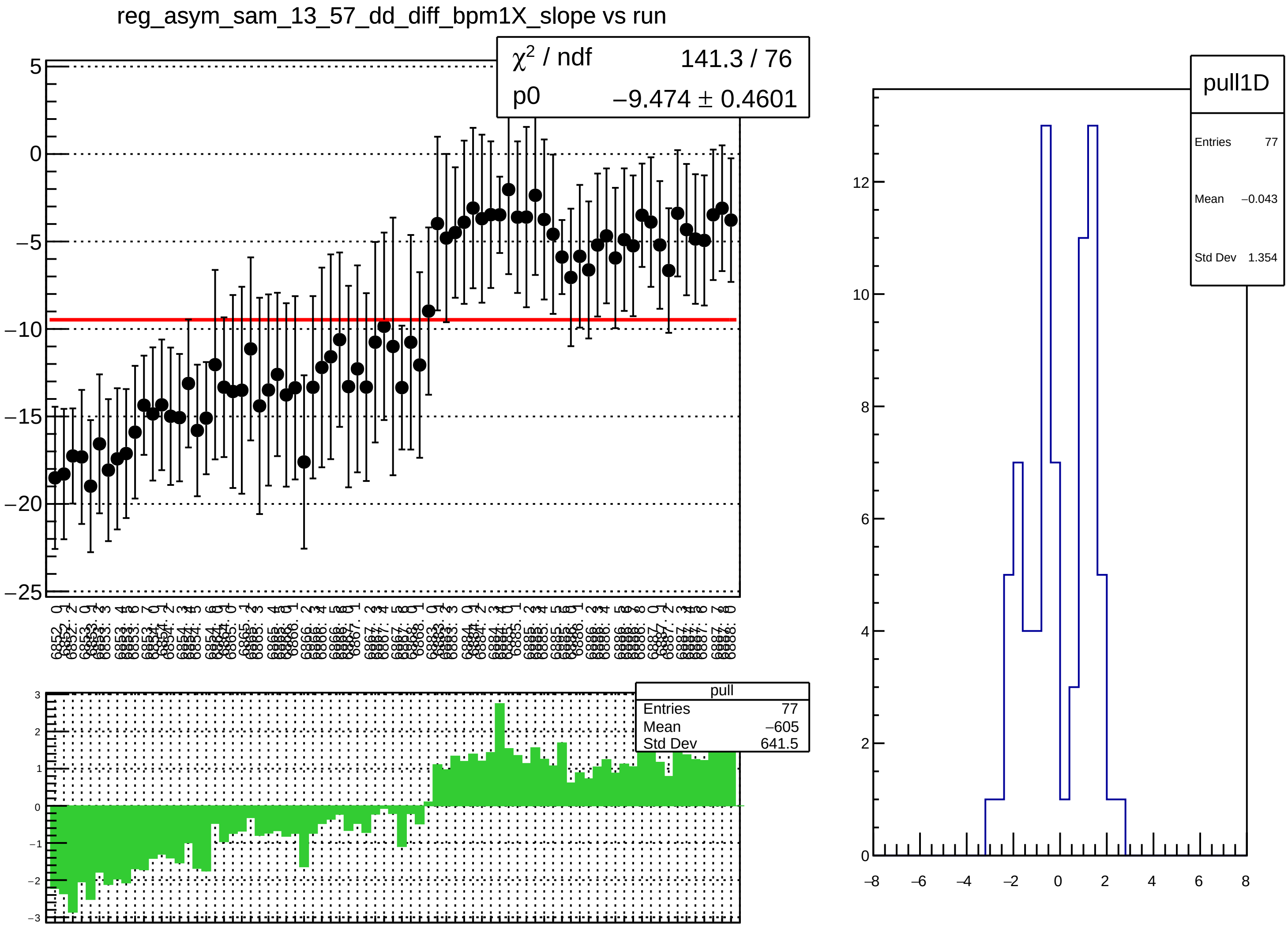
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 60.86 / 76
p0 −55.9 ± 1.121
pull
Entries 77
Mean 0.07261
Std Dev 61.15
pull1D
Entries 77
Mean 0.05493
Std Dev 0.8874



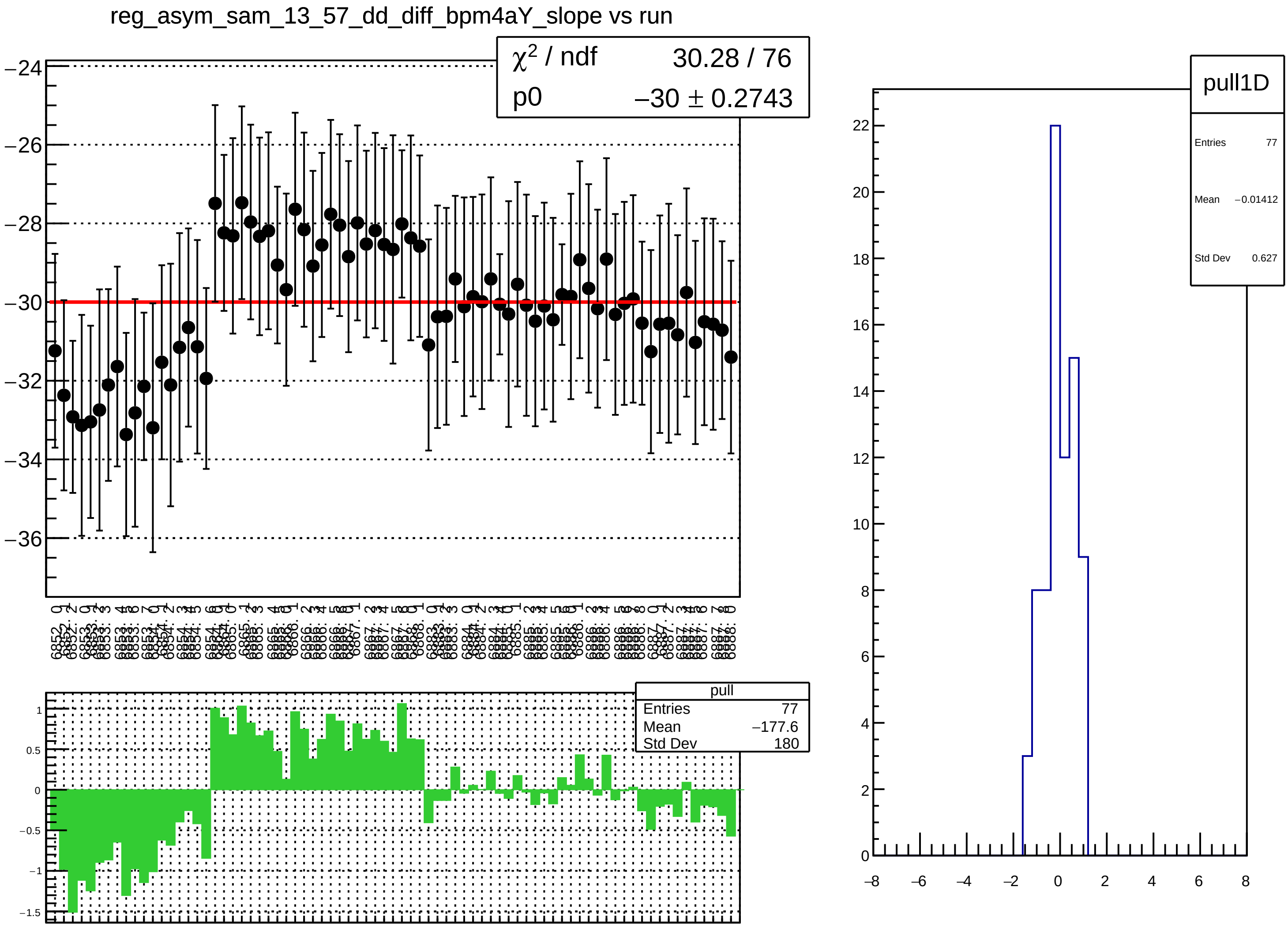
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 22.49 / 76
p0 85.11 ± 0.8935
pull
Entries 77
Mean 135.7
Std Dev 117.5
pull1D
Entries 77
Mean 0.02466
Std Dev 0.5399

reg_asym_sam_48_dd_diff_bpm12X_slope vs run

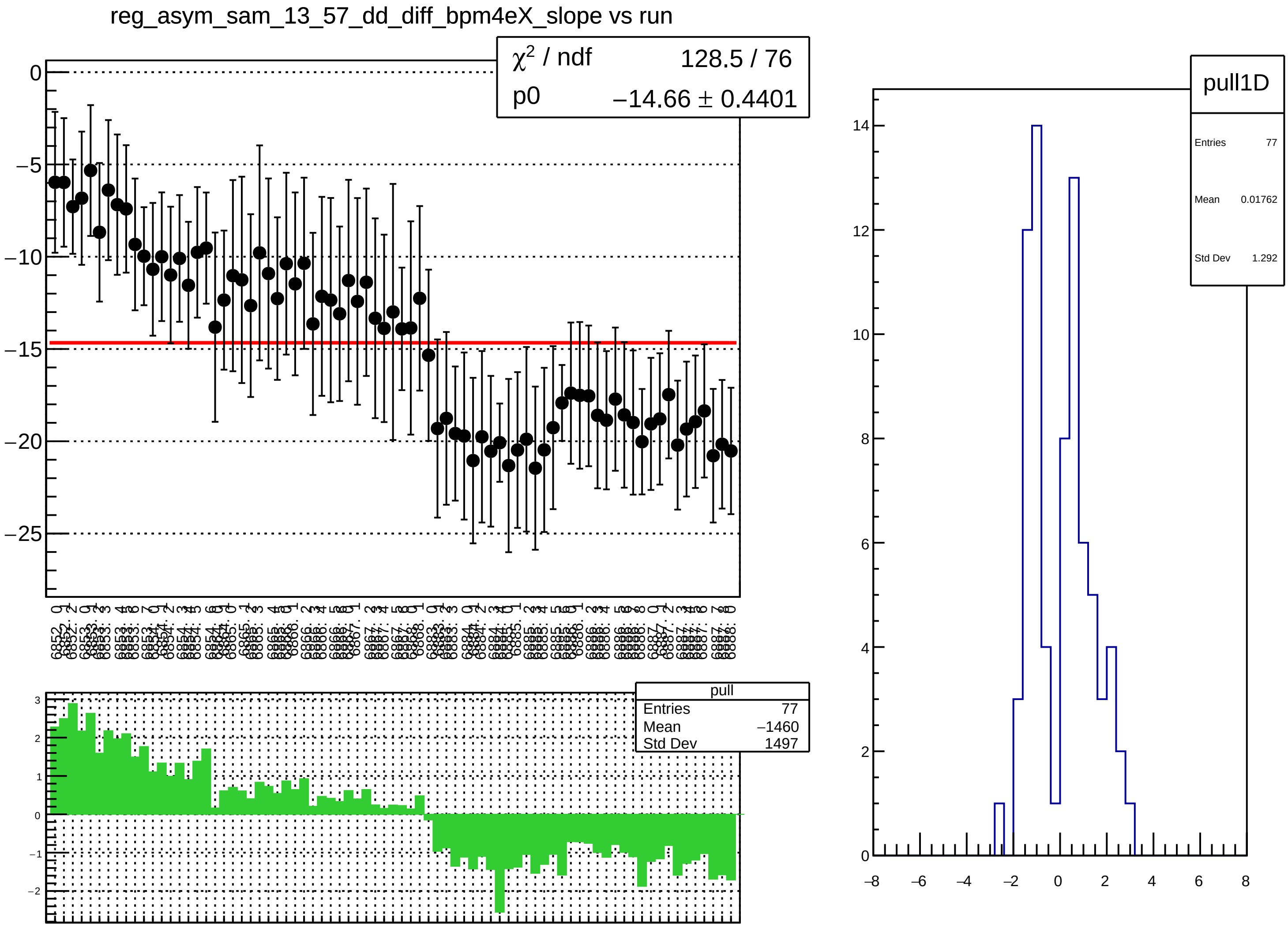




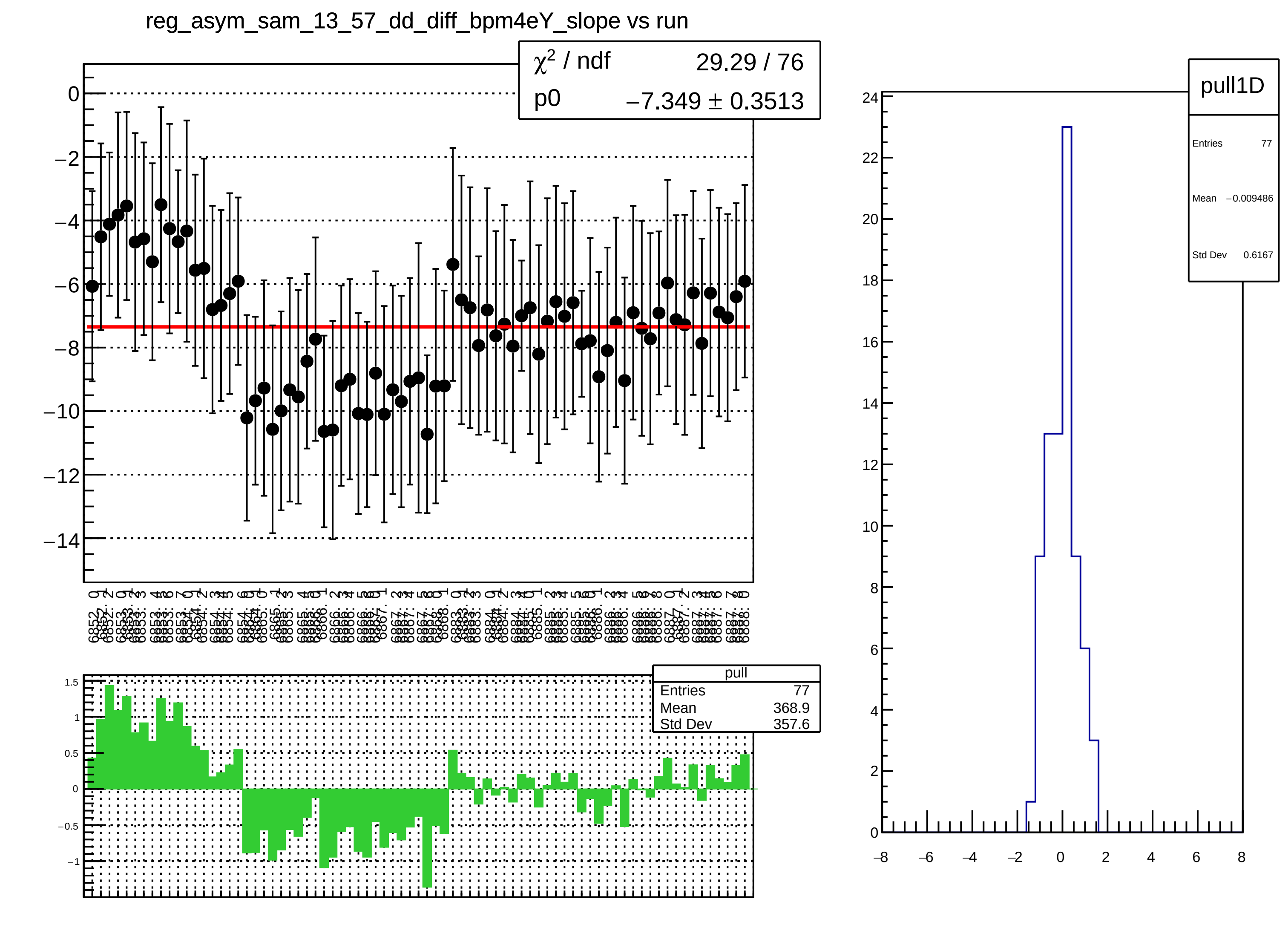
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 141.3 / 76
p0 −9.474 ± 0.4601
pull
Entries 77
Mean −605
Std Dev 641.5
pull1D
Entries 77
Mean −0.043
Std Dev 1.354



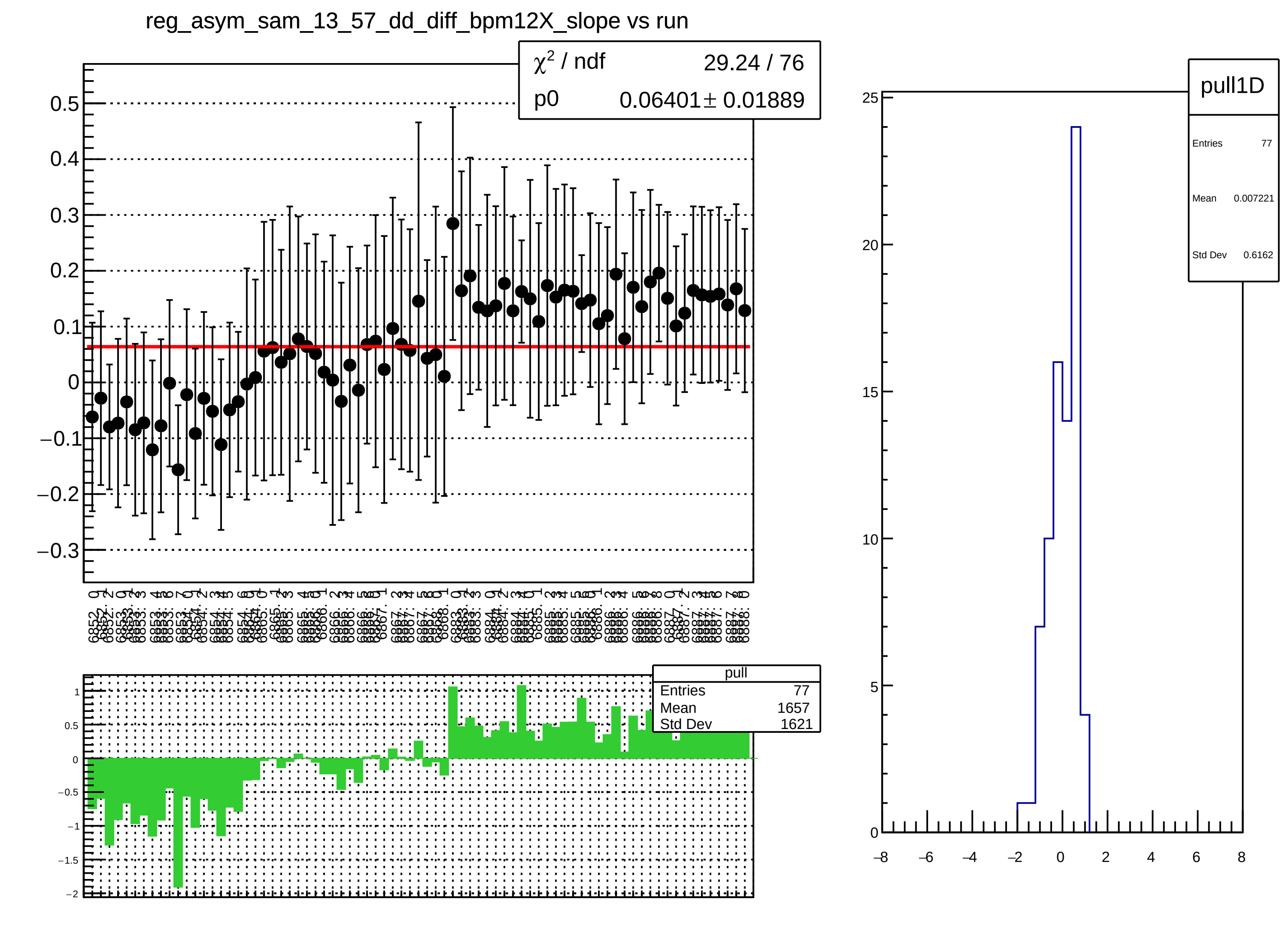
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 30.28 / 76
p0 −30 ± 0.2743
pull
Entries 77
Mean −177.6
Std Dev 180
pull1D
Entries 77
Mean −0.01412
Std Dev 0.627



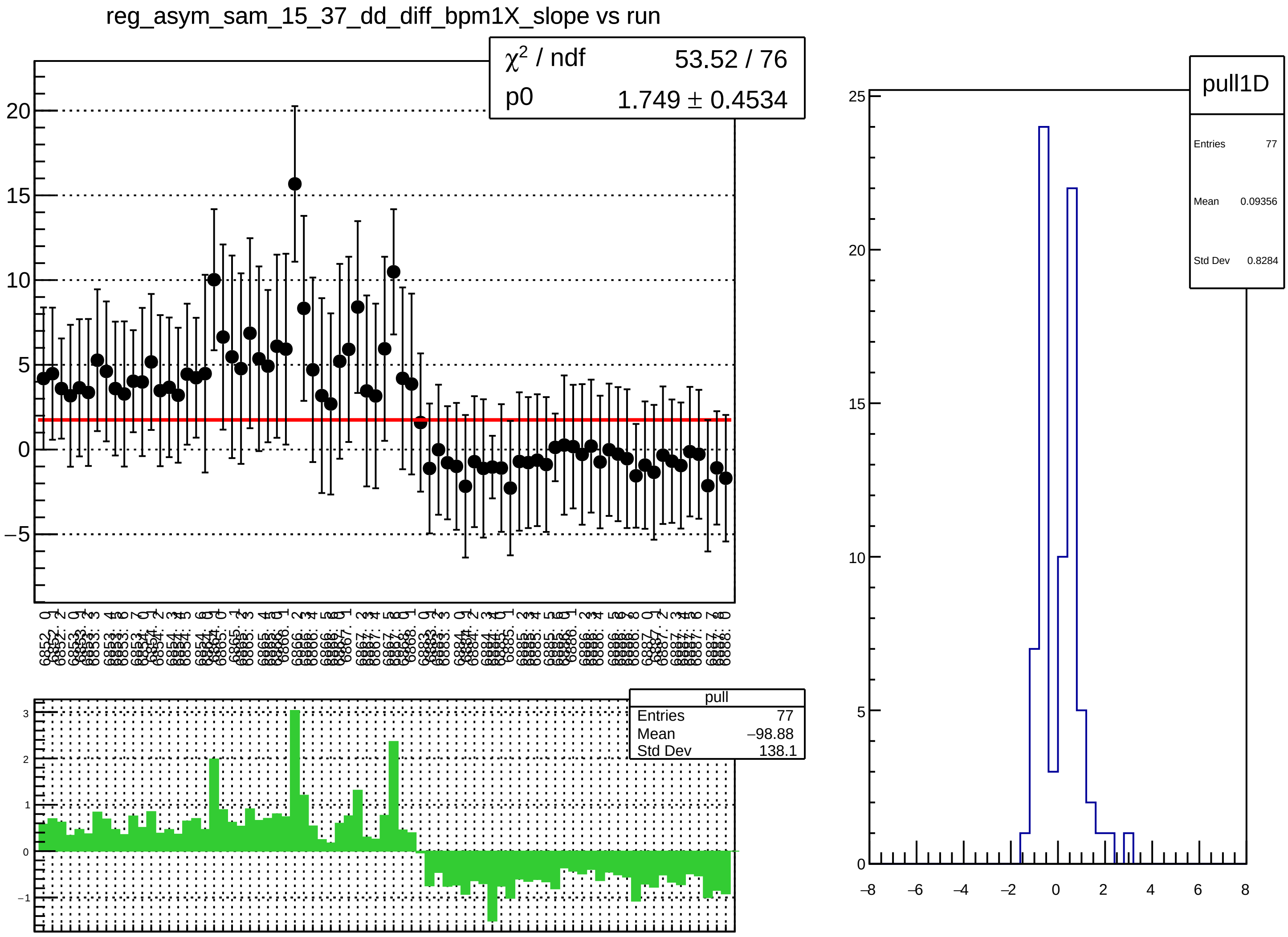
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 128.5 / 76
p0 −14.66 ± 0.4401
pull
Entries 77
Mean −1460
Std Dev 1497
pull1D
Entries 77
Mean 0.01762
Std Dev 1.292



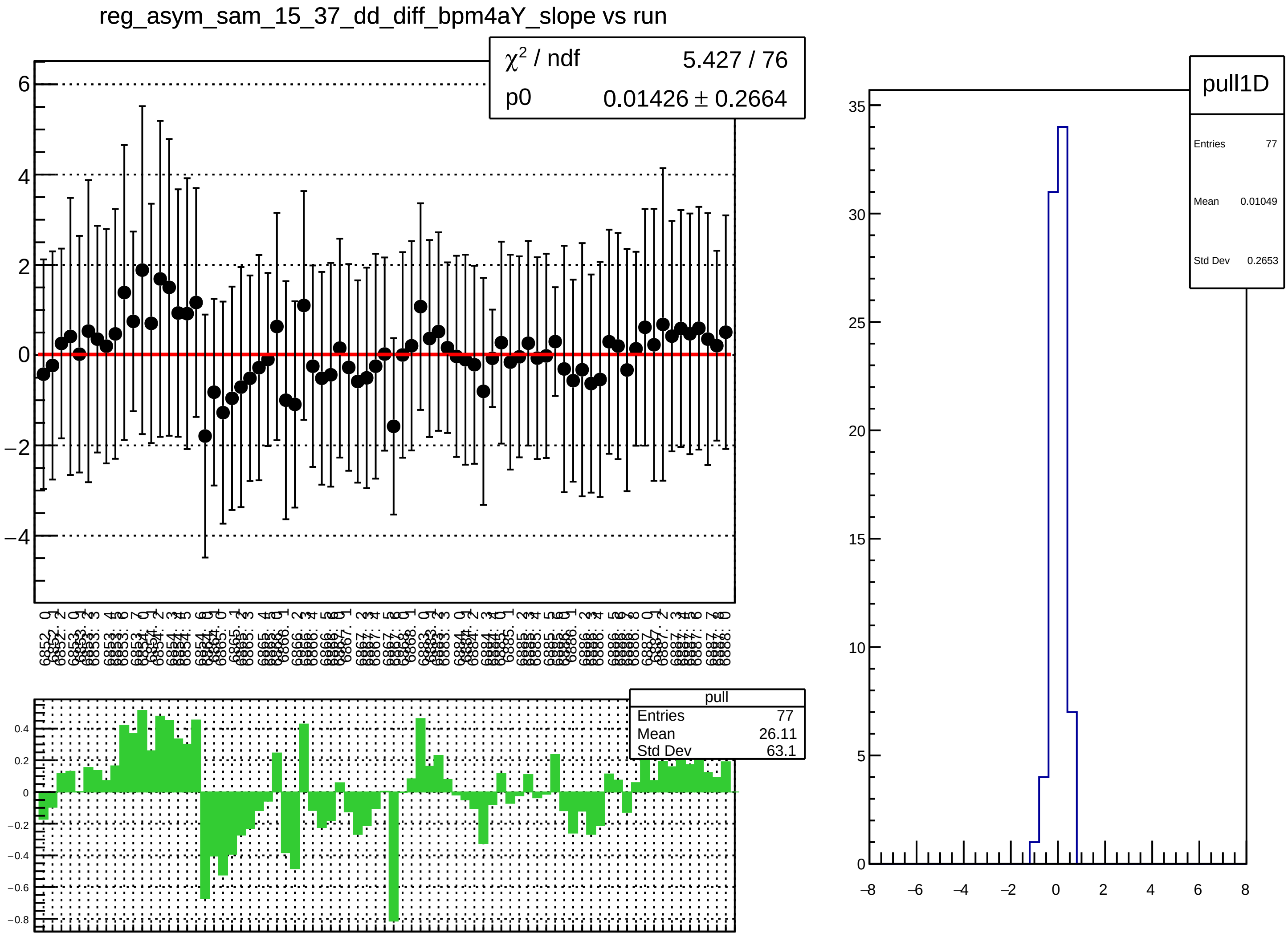
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 29.29 / 76
p0 −7.349 ± 0.3513
pull
Entries 77
Mean 368.9
Std Dev 357.6
pull1D
Entries 77
Mean −0.009486
Std Dev 0.6167



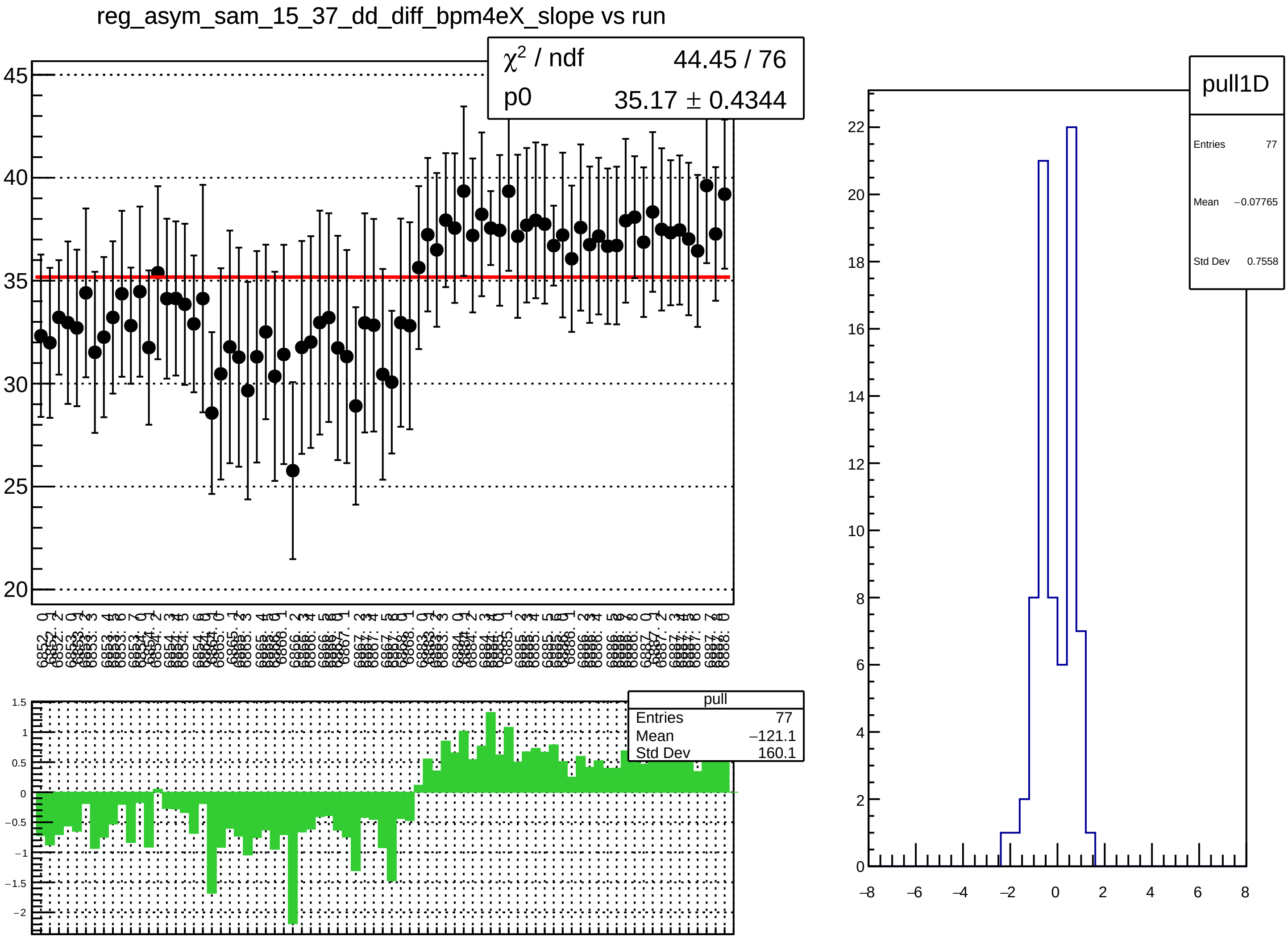
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ2 / ndf 29.24 / 76
p0 0.06401 ± 0.01889
pull
Entries 77
Mean 1657
Std Dev 1621
pull1D
Entries 77
Mean 0.007221
Std Dev 0.6162



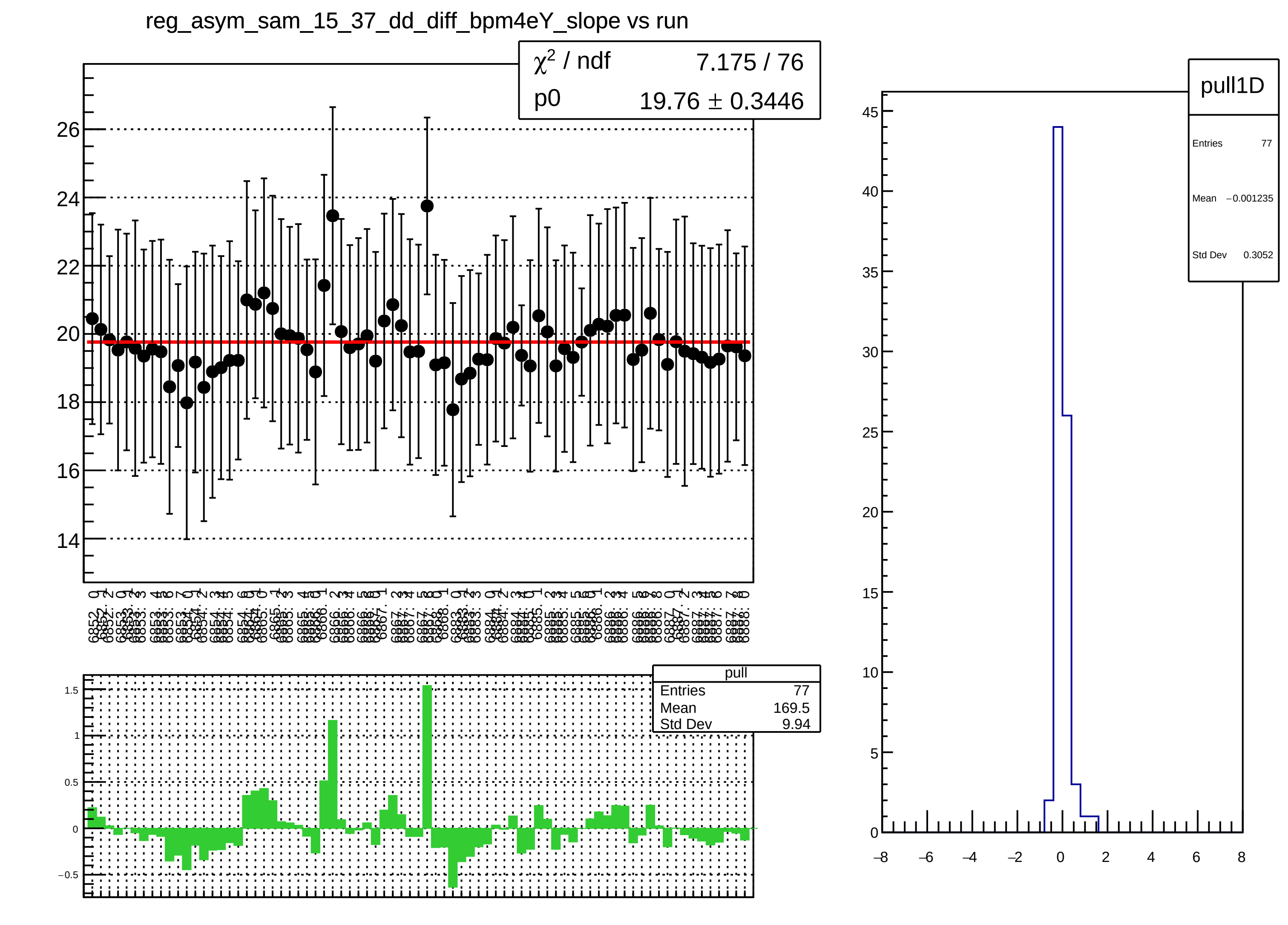
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 53.52 / 76
p0 1.749 ± 0.4534
pull
Entries 77
Mean −98.88
Std Dev 138.1
pull1D
Entries 77
Mean 0.09356
Std Dev 0.8284



reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 5.427 / 76
p0 0.01426 ± 0.2664
pull
Entries 77
Mean 26.11
Std Dev 63.1
pull1D
Entries 77
Mean 0.01049
Std Dev 0.2653

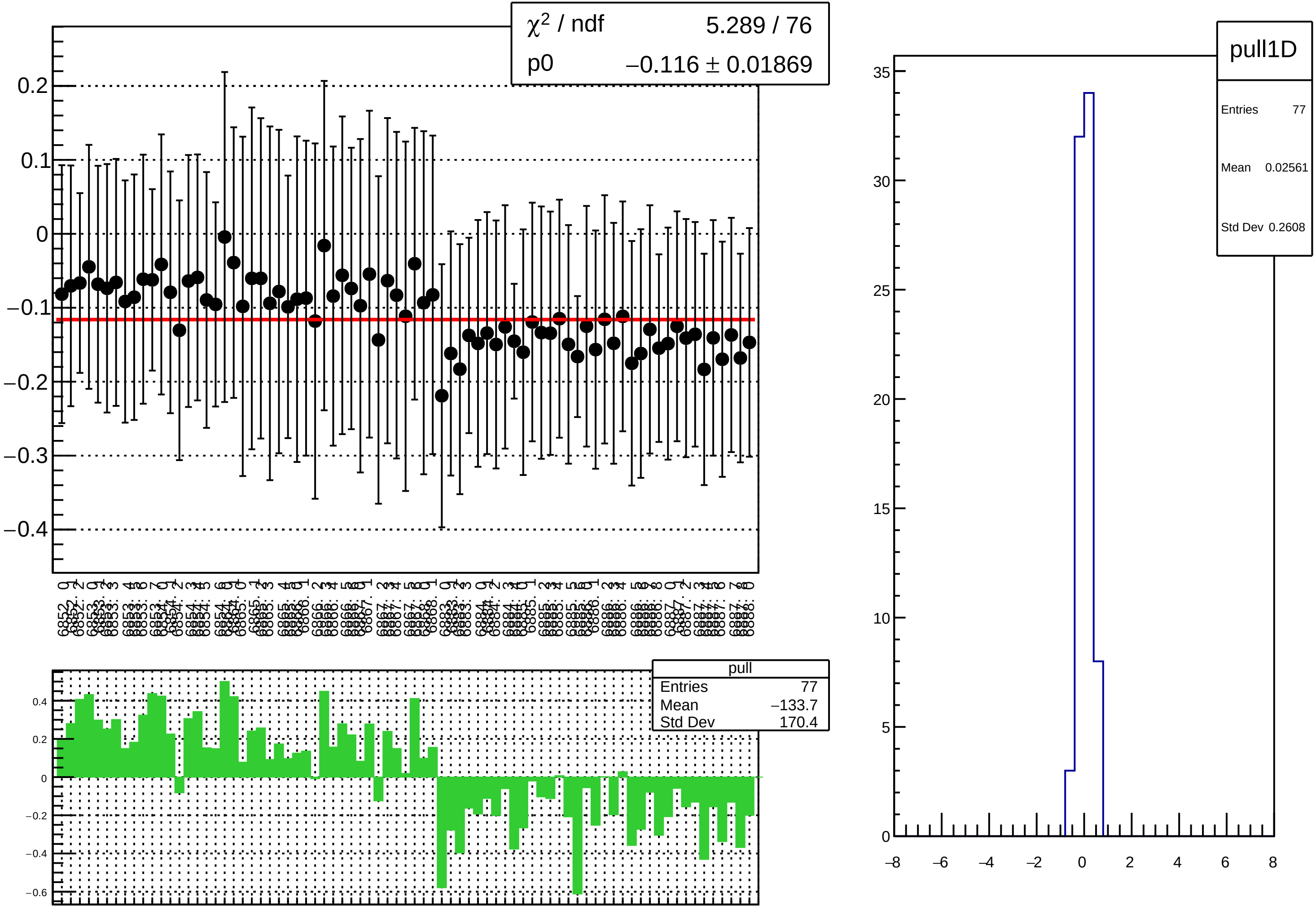


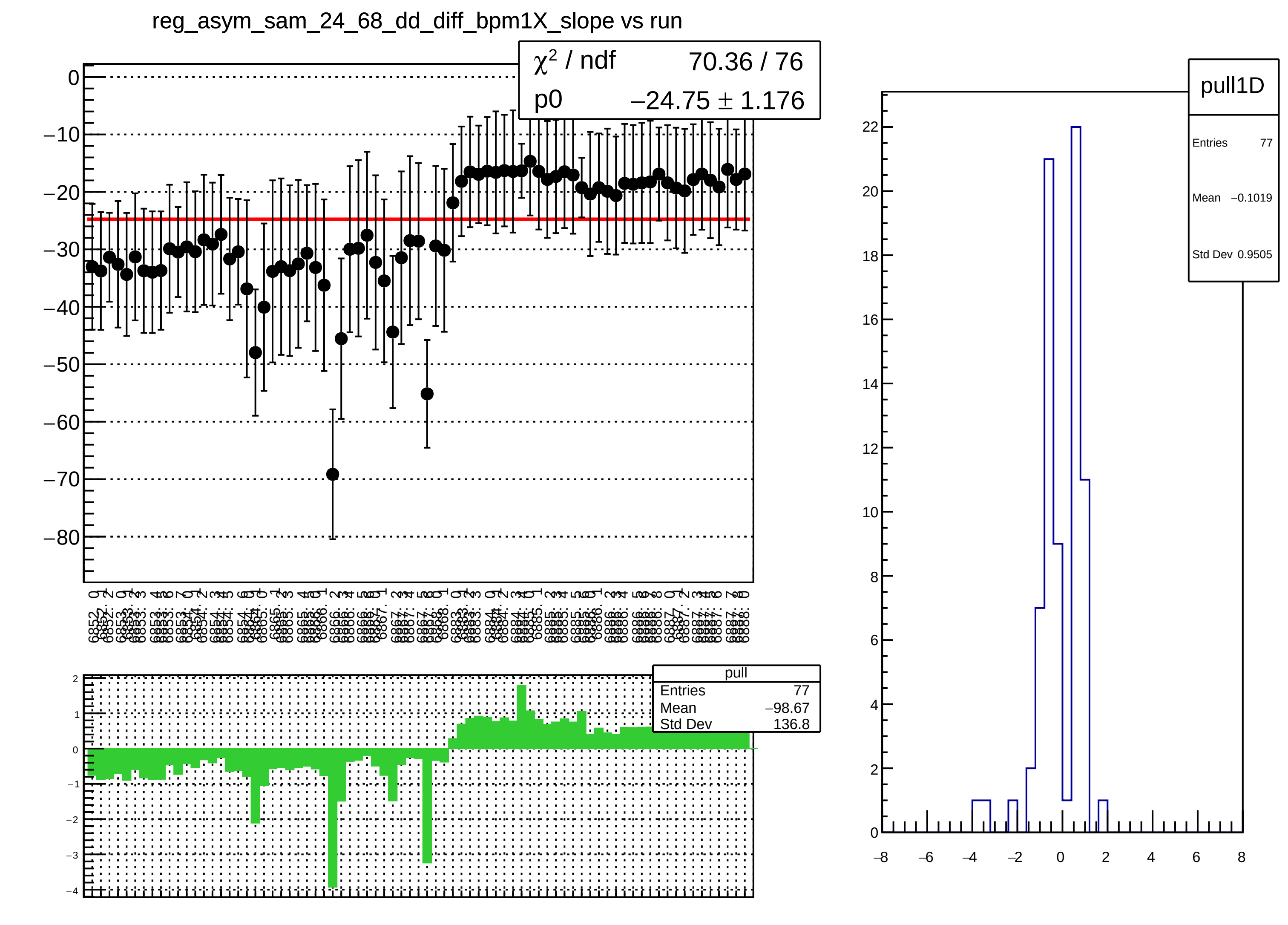
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 44.45 / 76
p0 35.17 ± 0.4344
pull
Entries 77
Mean −121.1
Std Dev 160.1
pull1D
Entries 77
Mean −0.07765
Std Dev 0.7558



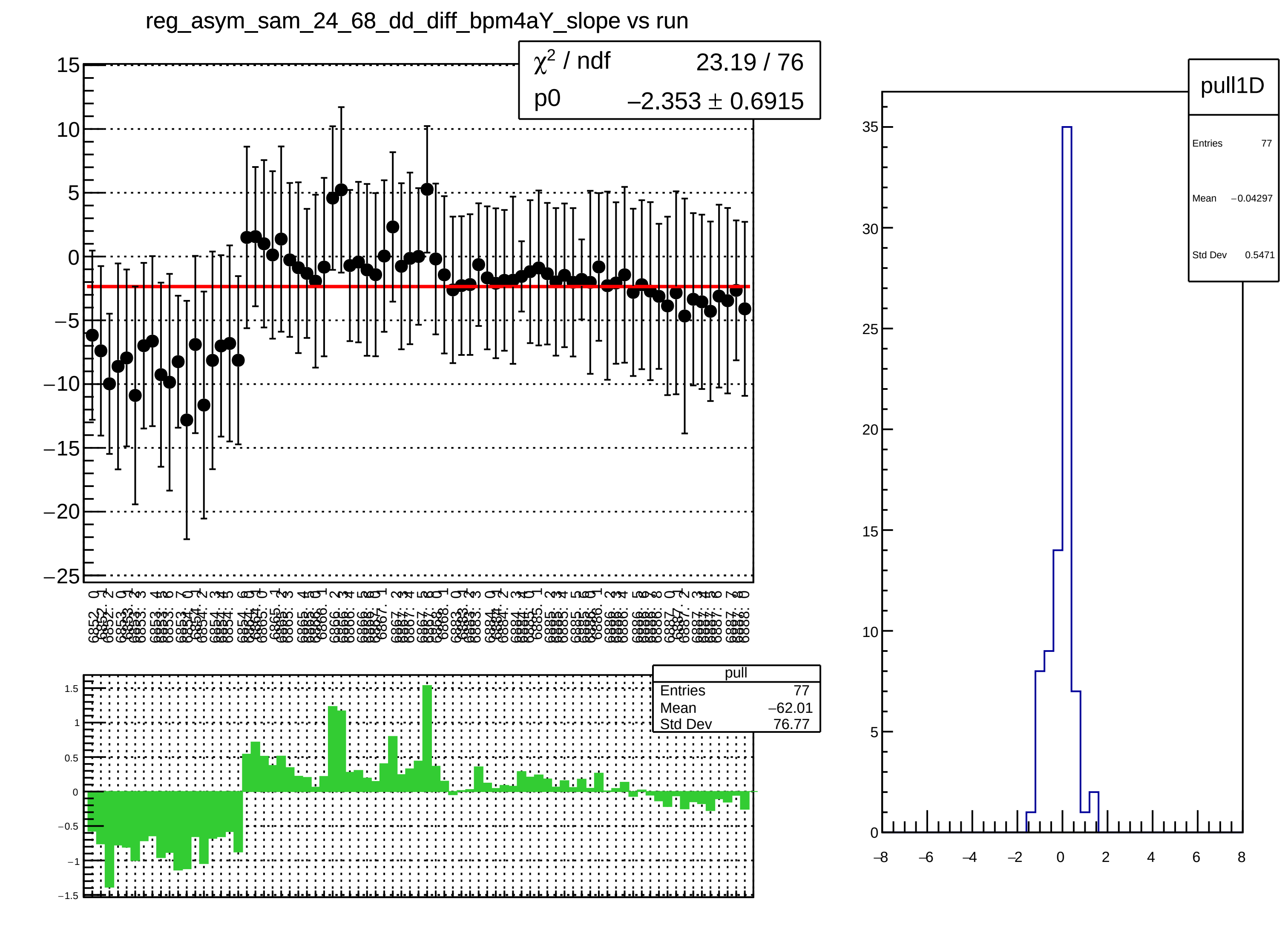
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 7.175 / 76
p0 19.76 ± 0.3446
pull
Entries 77
Mean 169.5
Std Dev 9.94
pull1D
Entries 77
Mean −0.001235
Std Dev 0.3052

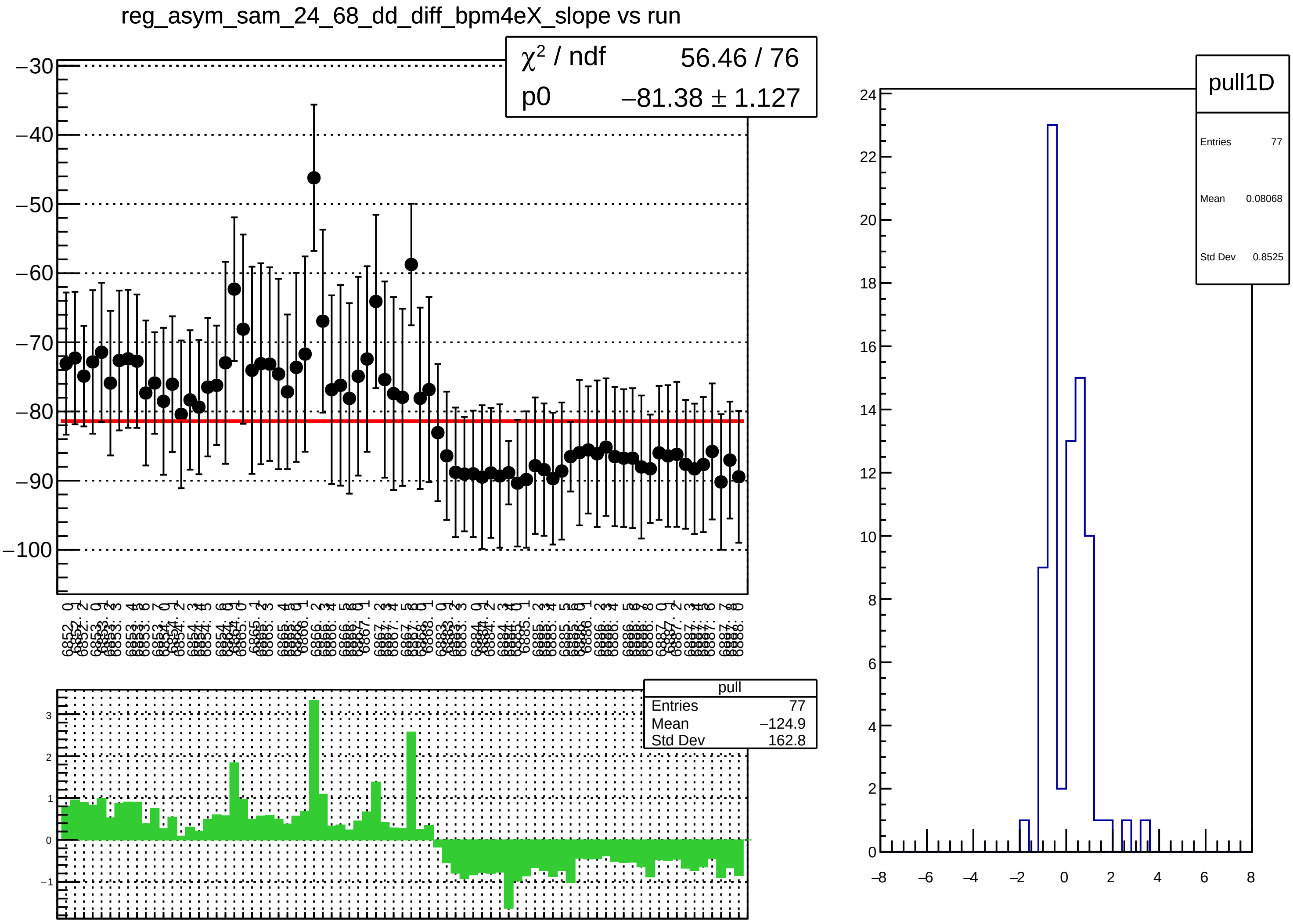
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run

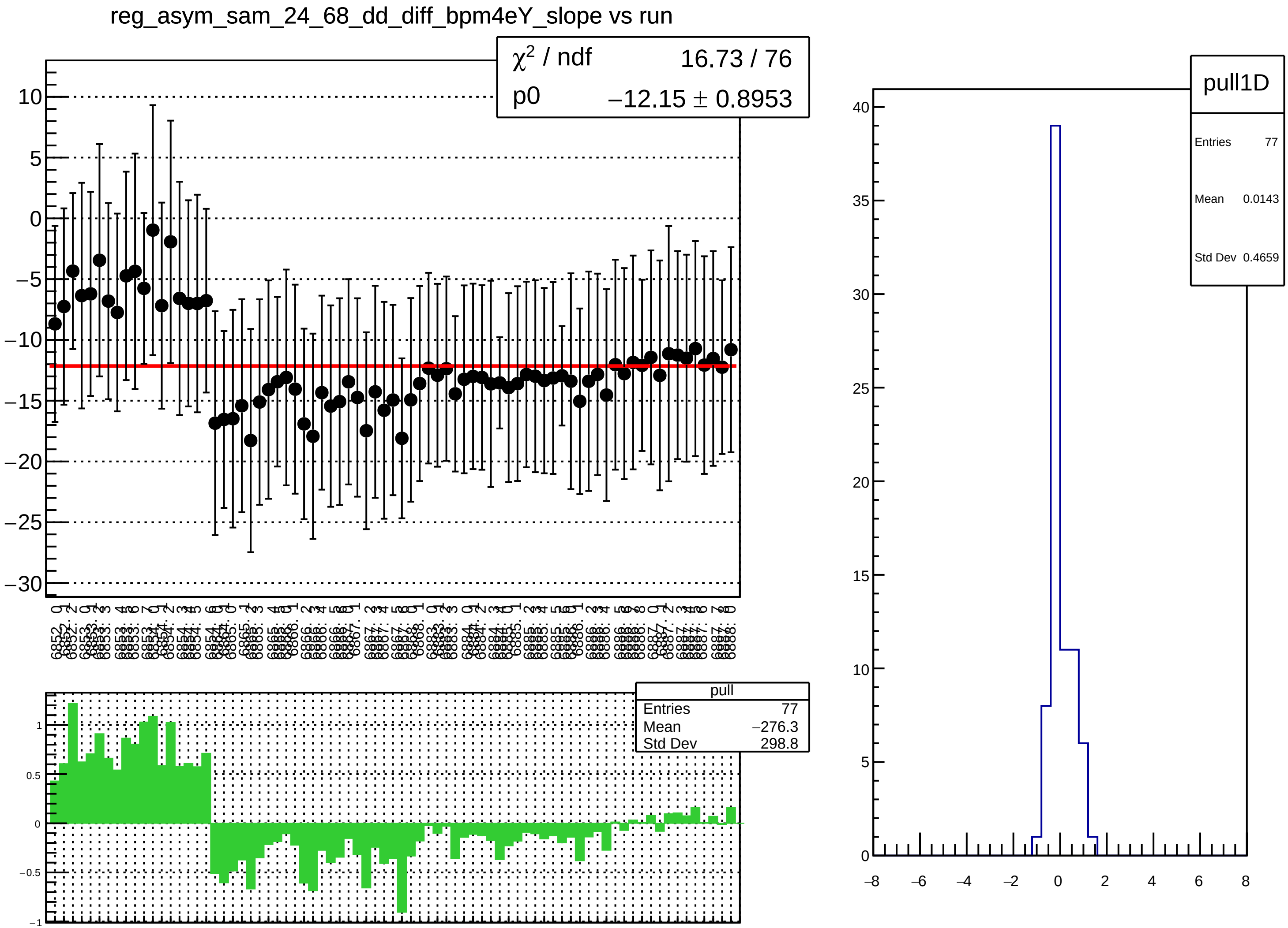




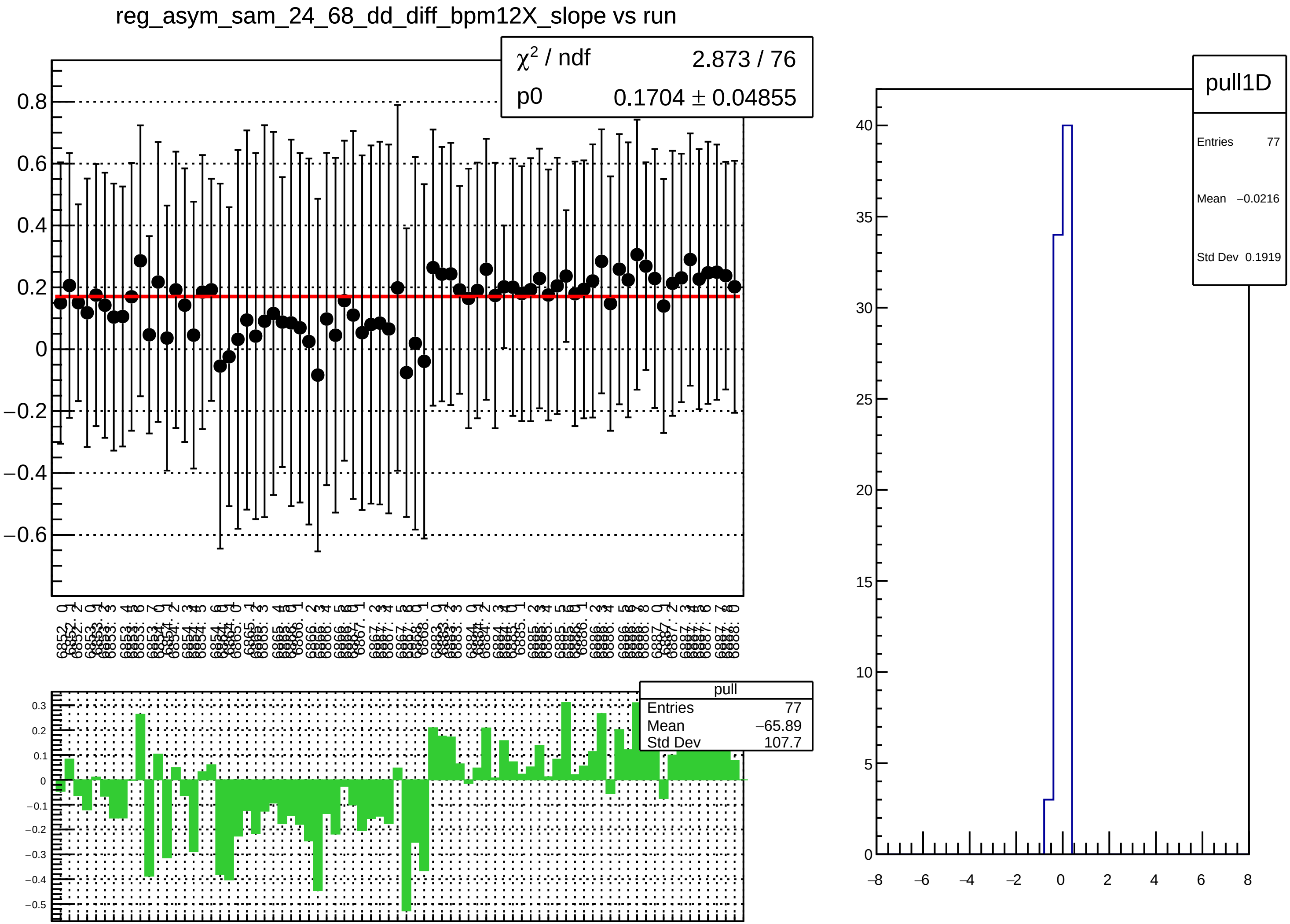
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 70.36 / 76
p0 −24.75 ± 1.176
pull
Entries 77
Mean −98.67
Std Dev 136.8
pull1D
Entries 77
Mean −0.1019
Std Dev 0.9505


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ2 / ndf 23.19 / 76
p0 −2.353 ± 0.6915
pull
Entries 77
Mean −62.01
Std Dev 76.77
pull1D
Entries 77
Mean −0.04297
Std Dev 0.5471

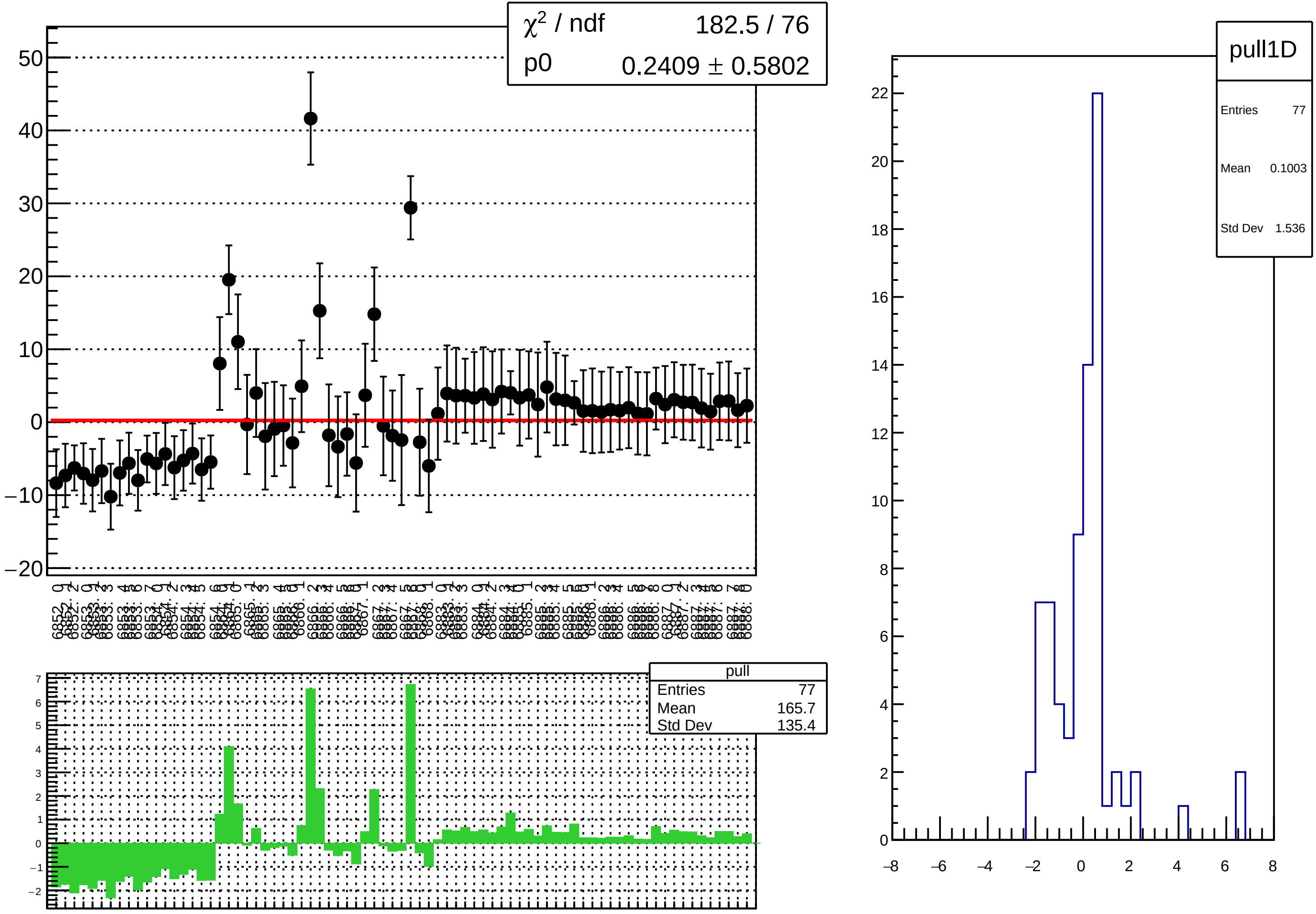

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 56.46 / 76
p0 −81.38 ± 1.127
pull
Entries 77
Mean −124.9
Std Dev 162.8
pull1D
Entries 77
Mean 0.08068
Std Dev 0.8525

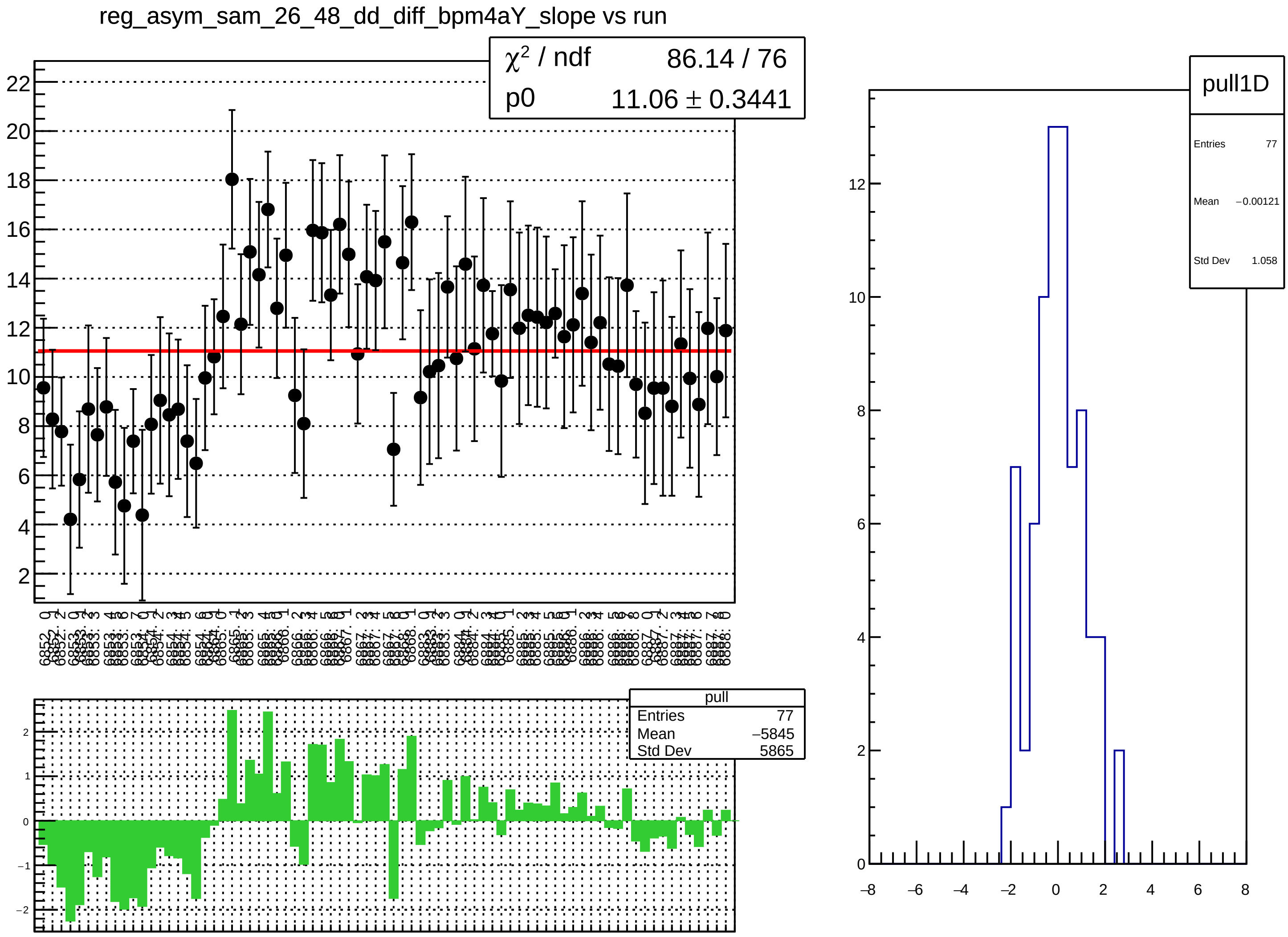


reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 16.73 / 76
p0 −12.15 ± 0.8953
pull
Entries 77
Mean −276.3
Std Dev 298.8
pull1D
Entries 77
Mean 0.0143
Std Dev 0.4659

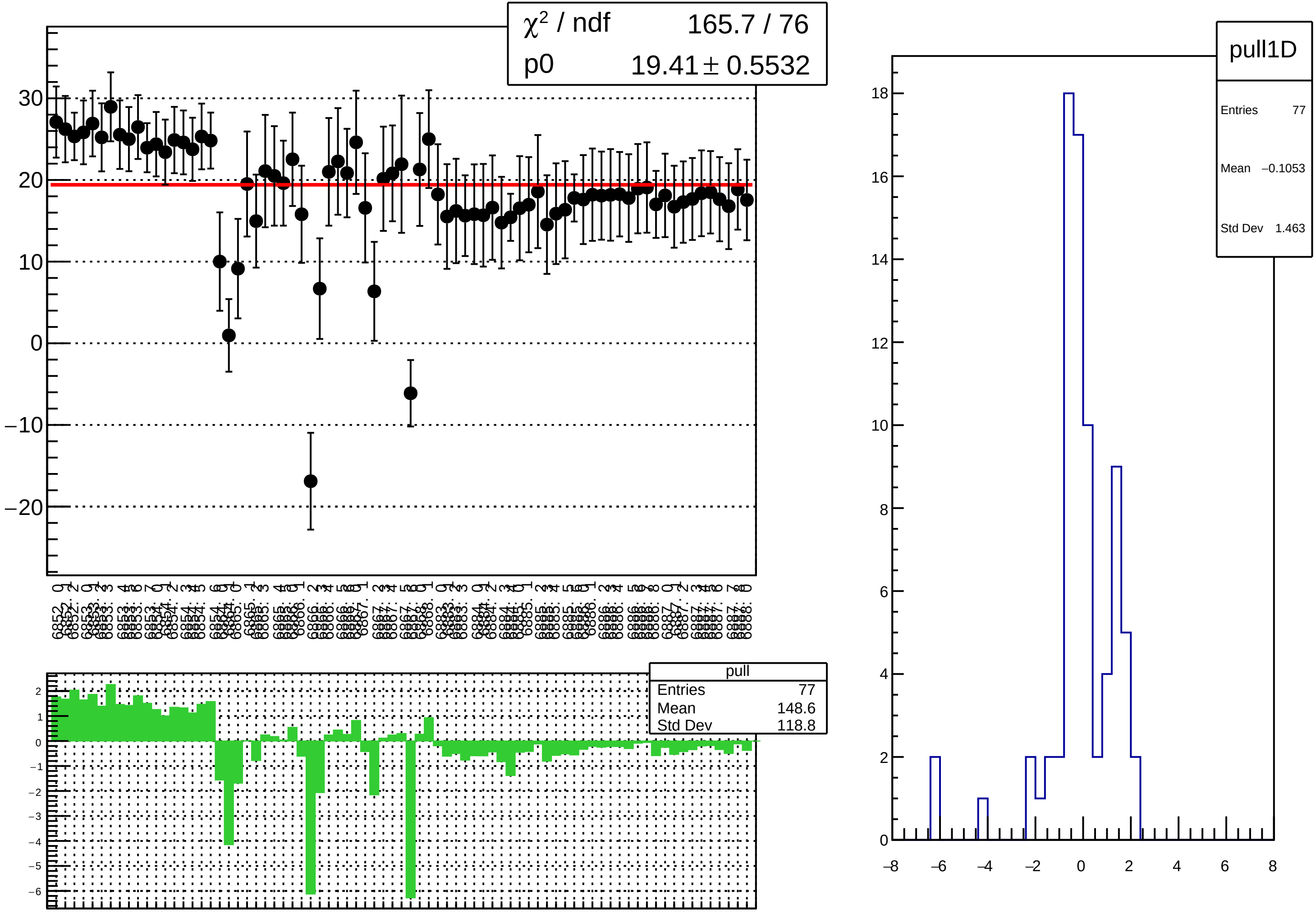

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 2.873 / 76
p0 0.1704 ± 0.04855
pull
Entries 77
Mean −65.89
Std Dev 107.7
pull1D
Entries 77
Mean −0.0216
Std Dev 0.1919

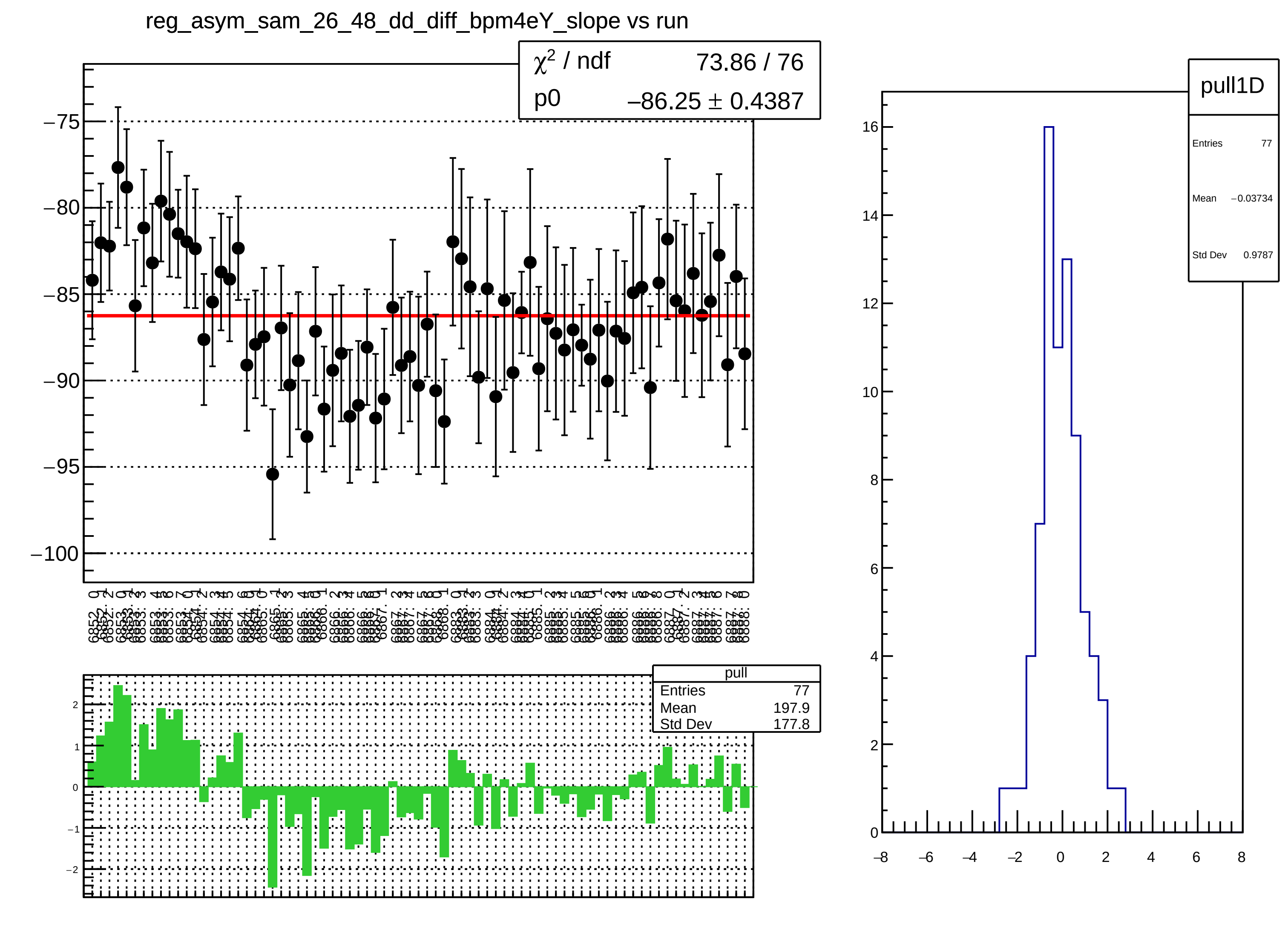
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run



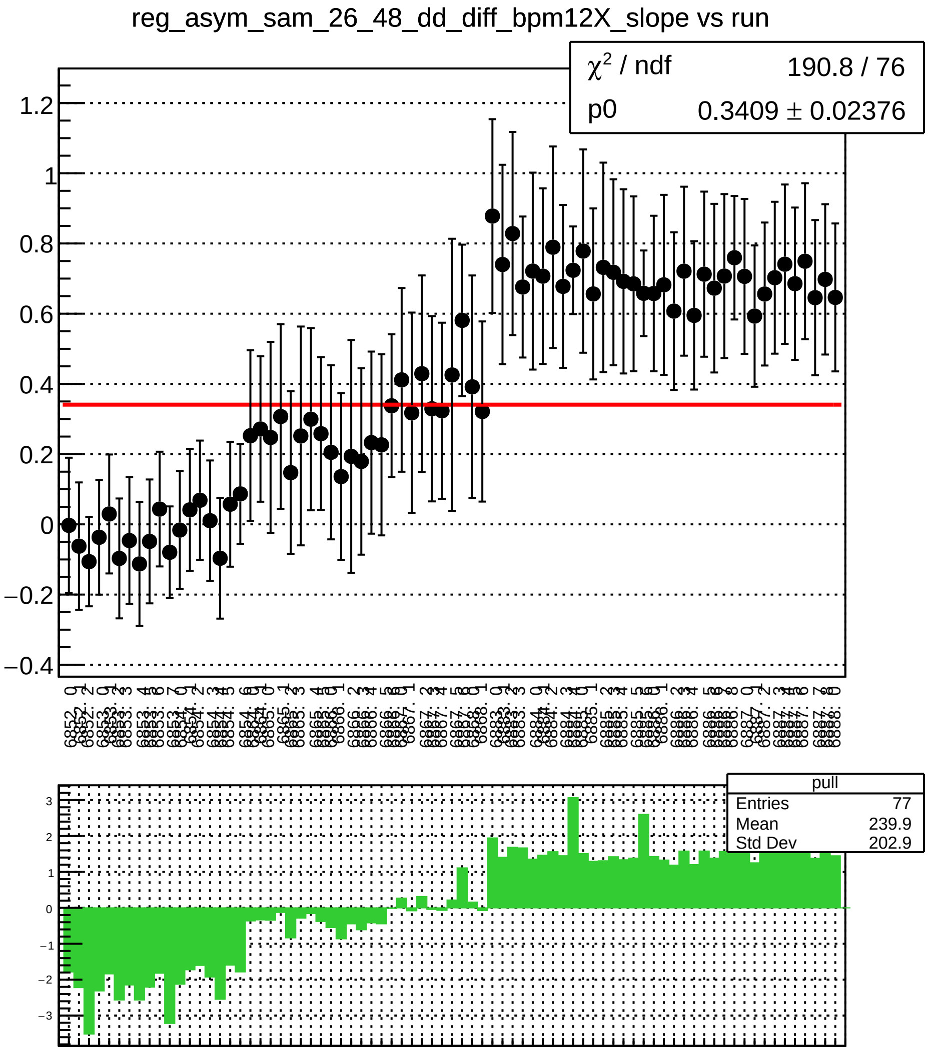

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 86.14 / 76
p0 11.06 ± 0.3441
pull
Entries 77
Mean −5845
Std Dev 5865
pull1D
Entries 77
Mean −0.00121
Std Dev 1.058

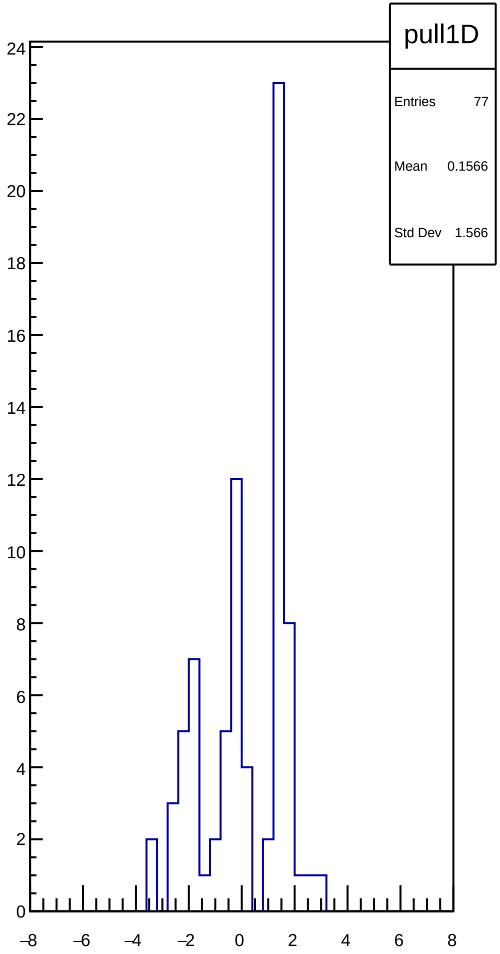
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run

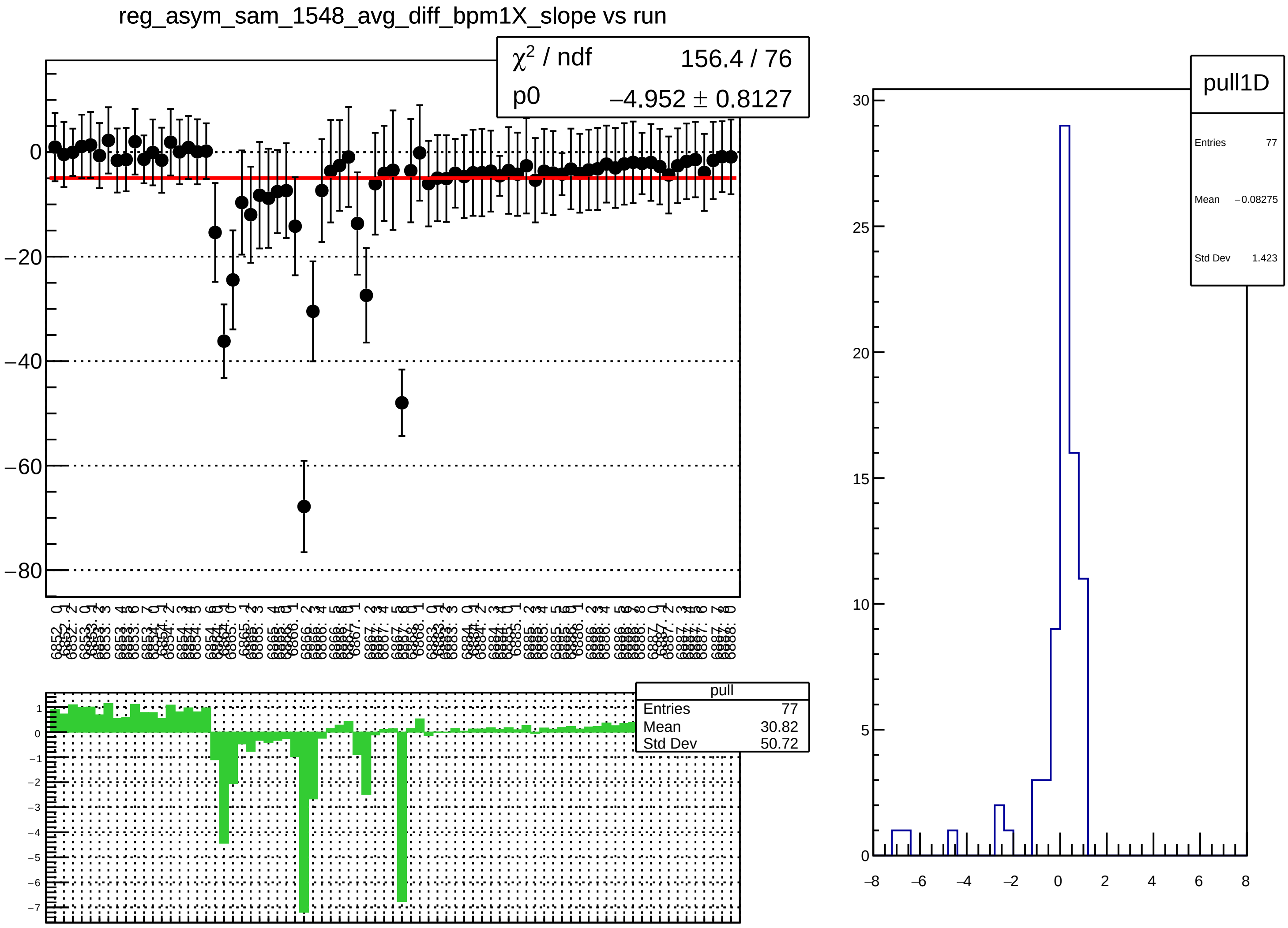




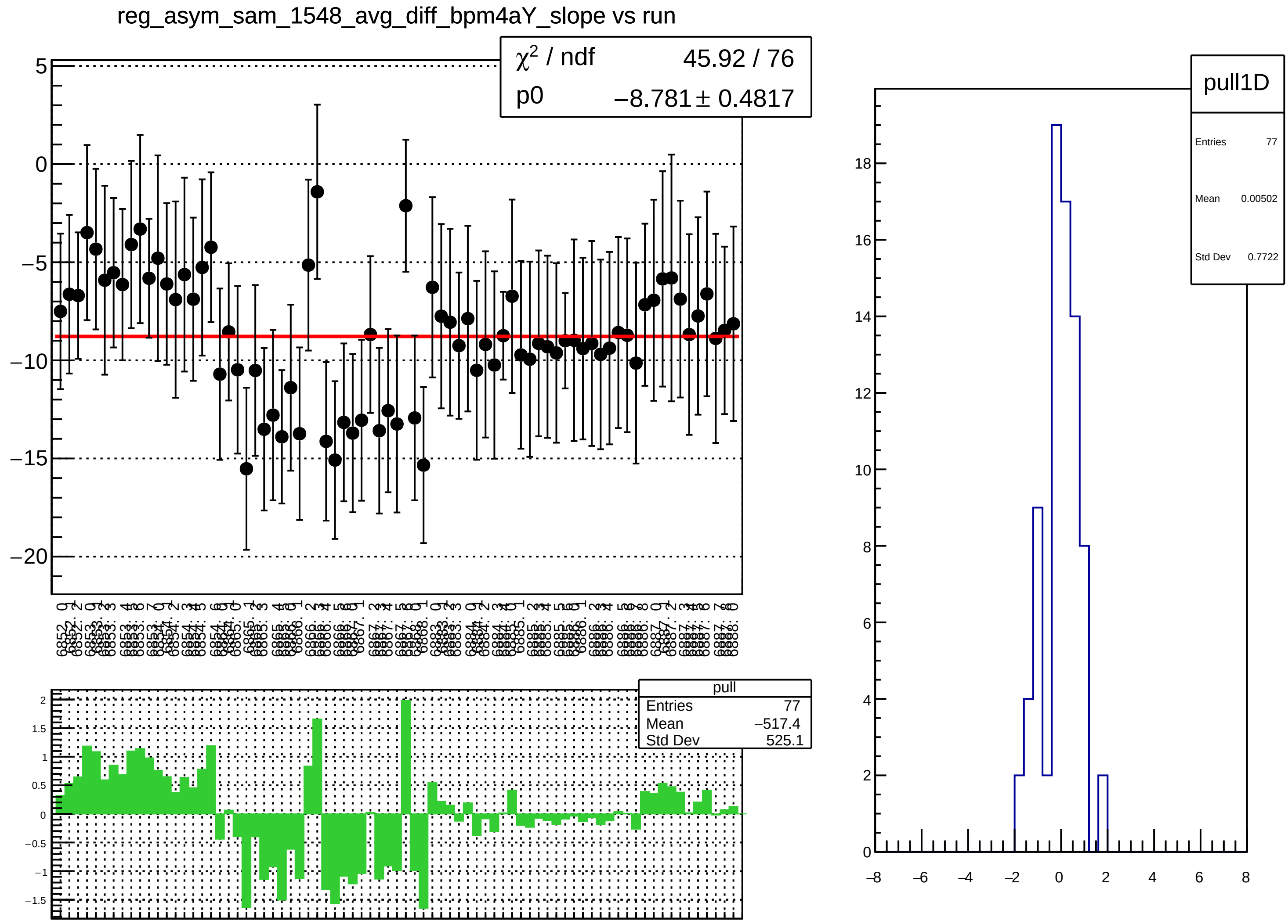
reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 73.86 / 76
p0 −86.25 ± 0.4387
pull
Entries 77
Mean 197.9
Std Dev 177.8
pull1D
Entries 77
Mean −0.03734
Std Dev 0.9787


reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 190.8 / 76
p0 0.3409 ± 0.02376
pull
Entries 77
Mean 239.9
Std Dev 202.9

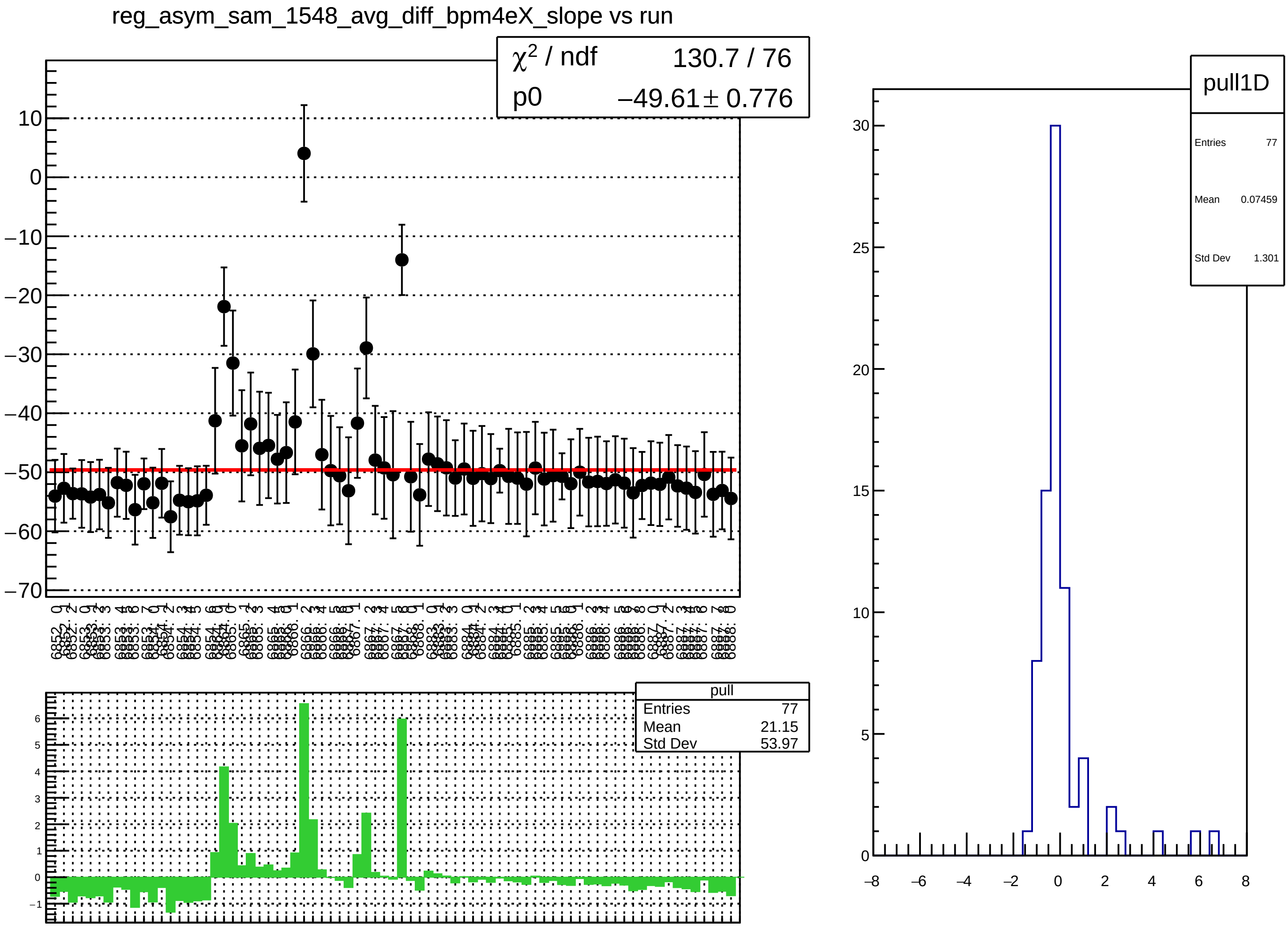

pull1D
Entries 77
Mean 0.1566
Std Dev 1.566



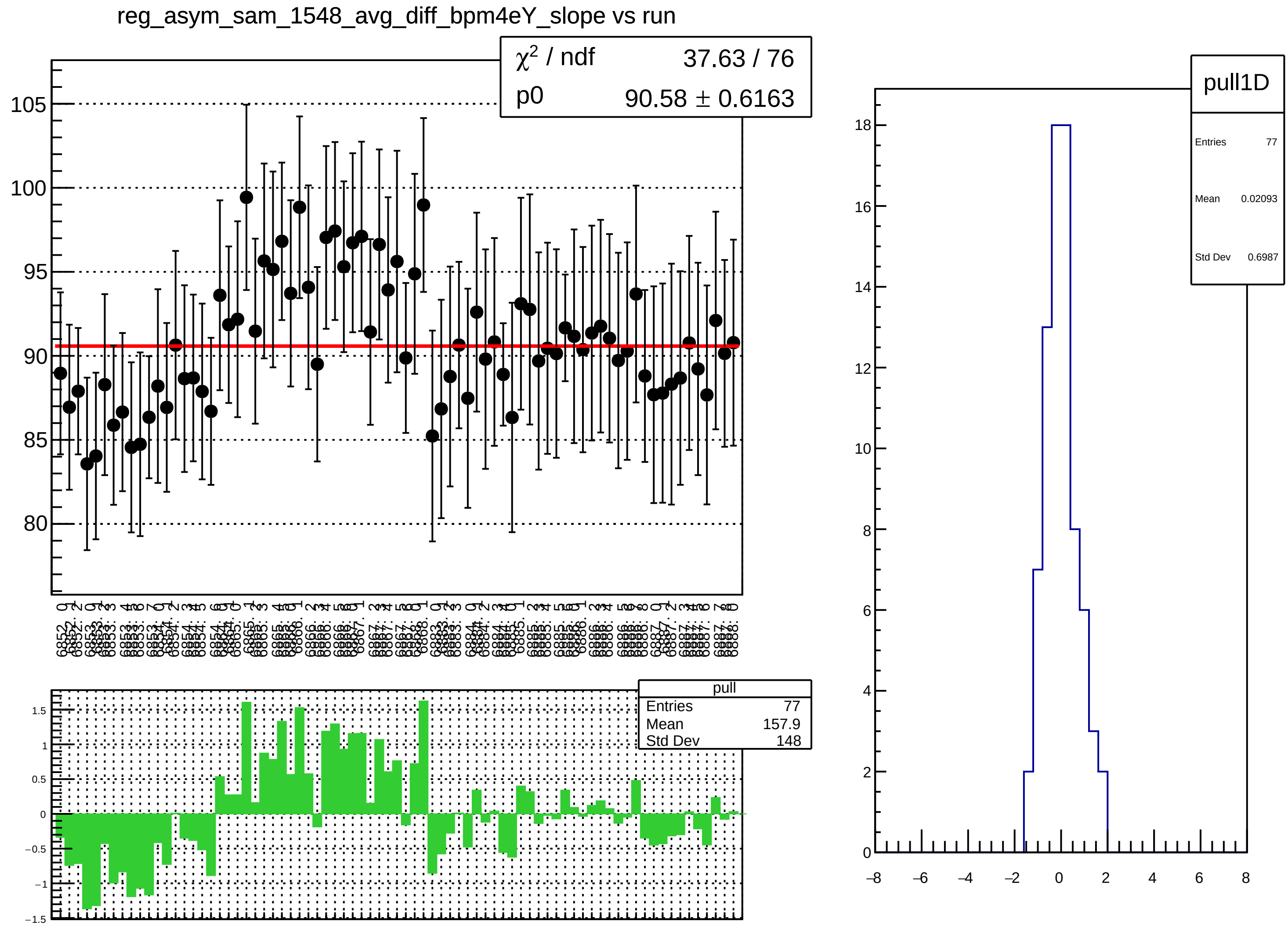
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 156.4 / 76
p0 −4.952 ± 0.8127
0
−20
−40
−60
−80
pull
Entries 77
Mean 30.82
Std Dev 50.72
pull1D
Entries 77
Mean −0.08275
Std Dev 1.423
30
25
20
15
10
5
0
−8 −6 −4 −2 0 2 4 6 8

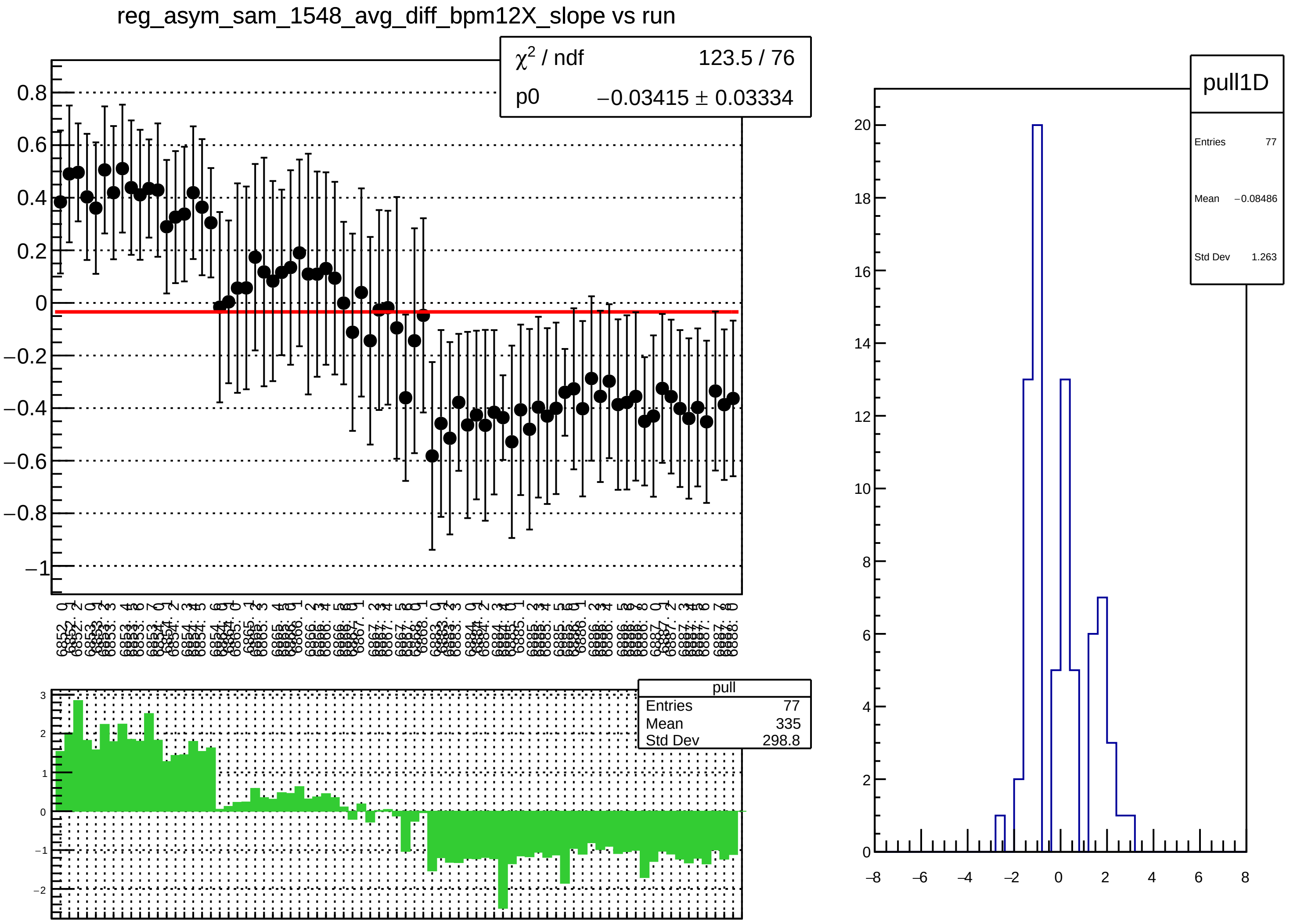


reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 45.92 / 76
p0 −8.781 ± 0.4817
pull
Entries 77
Mean −517.4
Std Dev 525.1
pull1D
Entries 77
Mean 0.00502
Std Dev 0.7722

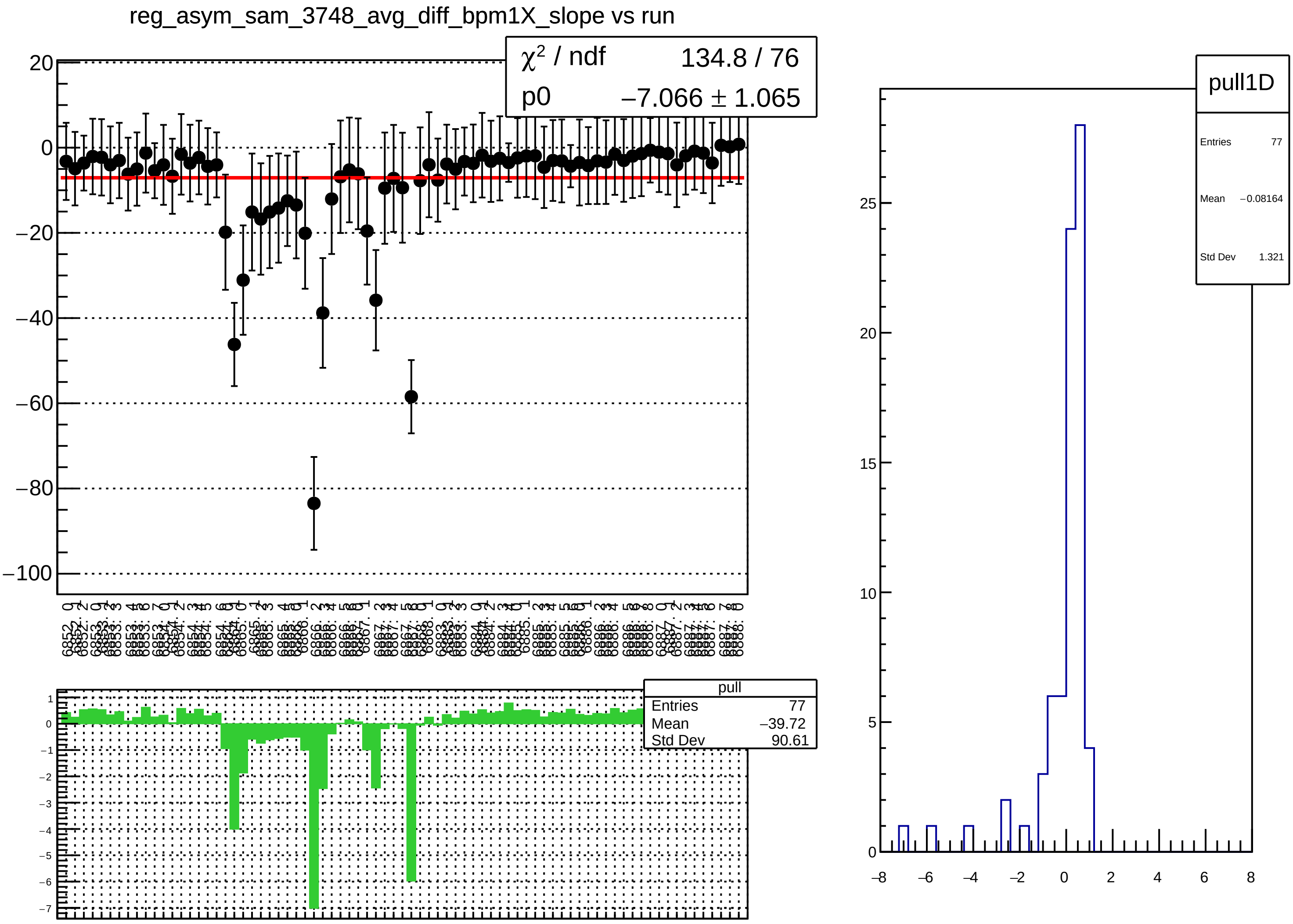


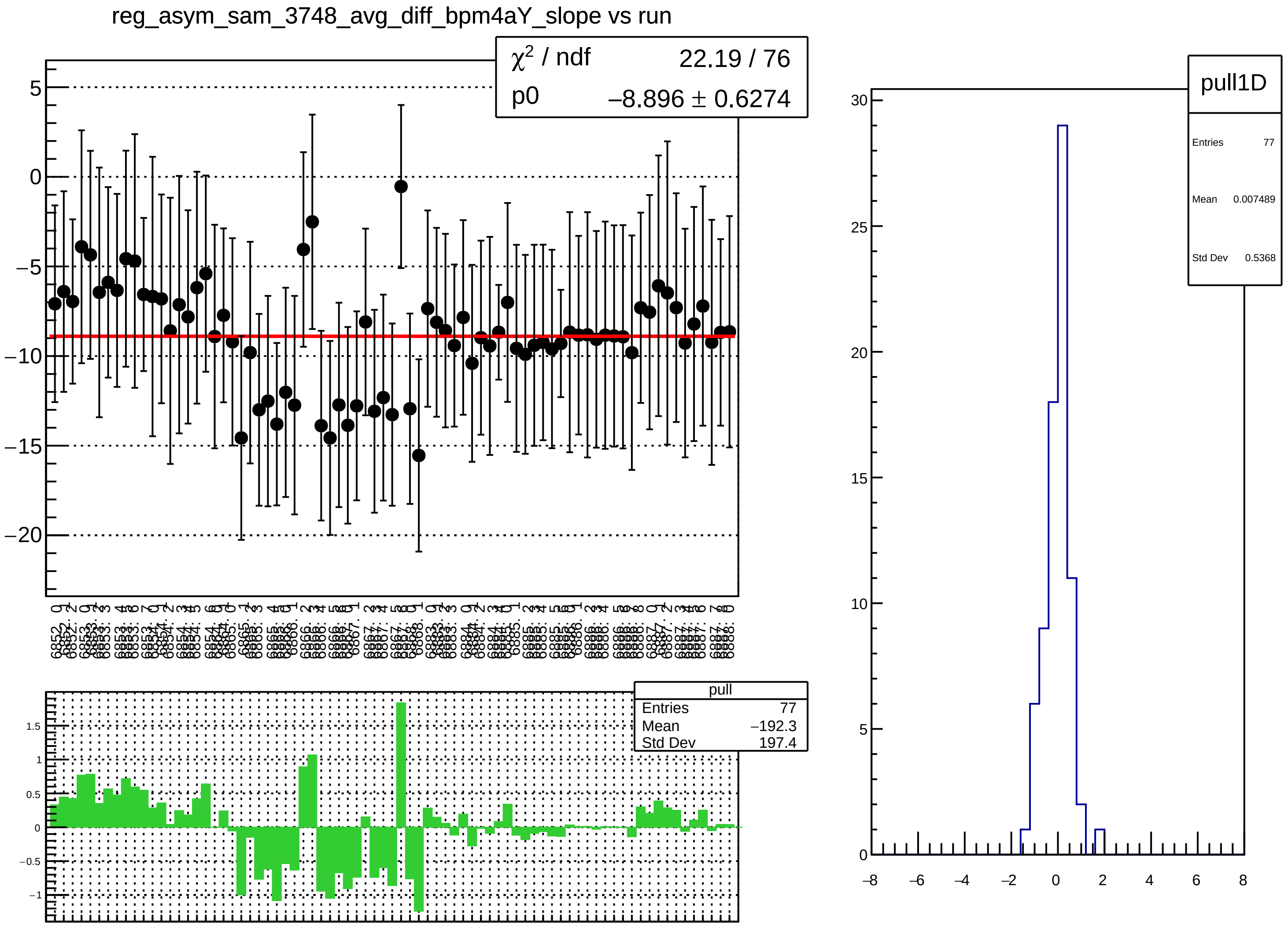
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 130.7 / 76
p0 −49.61 ± 0.776
pull
Entries 77
Mean 21.15
Std Dev 53.97
pull1D
Entries 77
Mean 0.07459
Std Dev 1.301


reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 37.63 / 76
p0 90.58 ± 0.6163
pull
Entries 77
Mean 157.9
Std Dev 148
pull1D
Entries 77
Mean 0.02093
Std Dev 0.6987

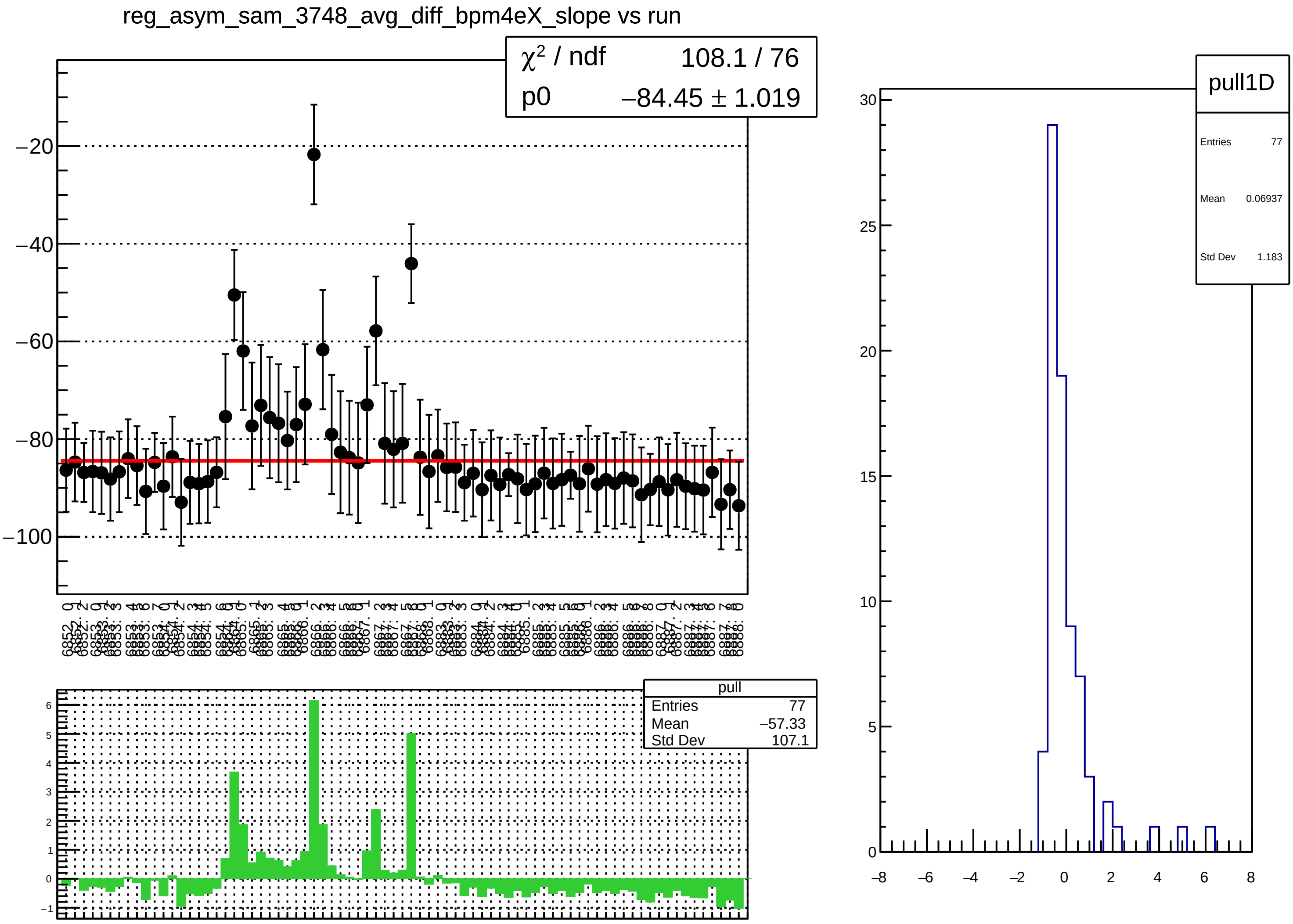


reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 123.5 / 76
p0 −0.03415 ± 0.03334
pull
Entries 77
Mean 335
Std Dev 298.8
pull1D
Entries 77
Mean −0.08486
Std Dev 1.263

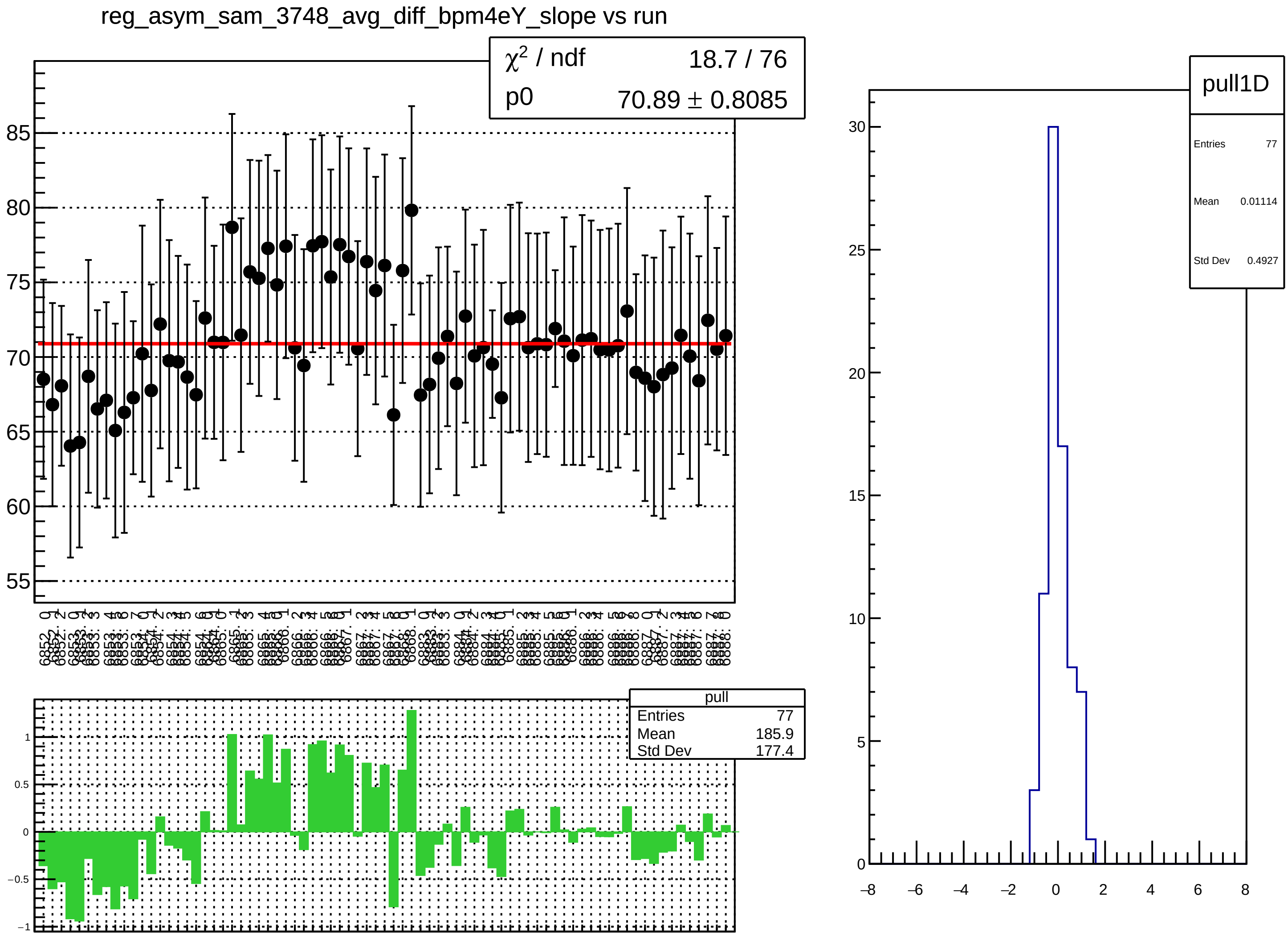

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ2 / ndf 134.8 / 76
p0 −7.066 ± 1.065
20
0
−20
−40
−60
−80
−100
pull
Entries 77
Mean −39.72
Std Dev 90.61
1
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 77
Mean −0.08164
Std Dev 1.321
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



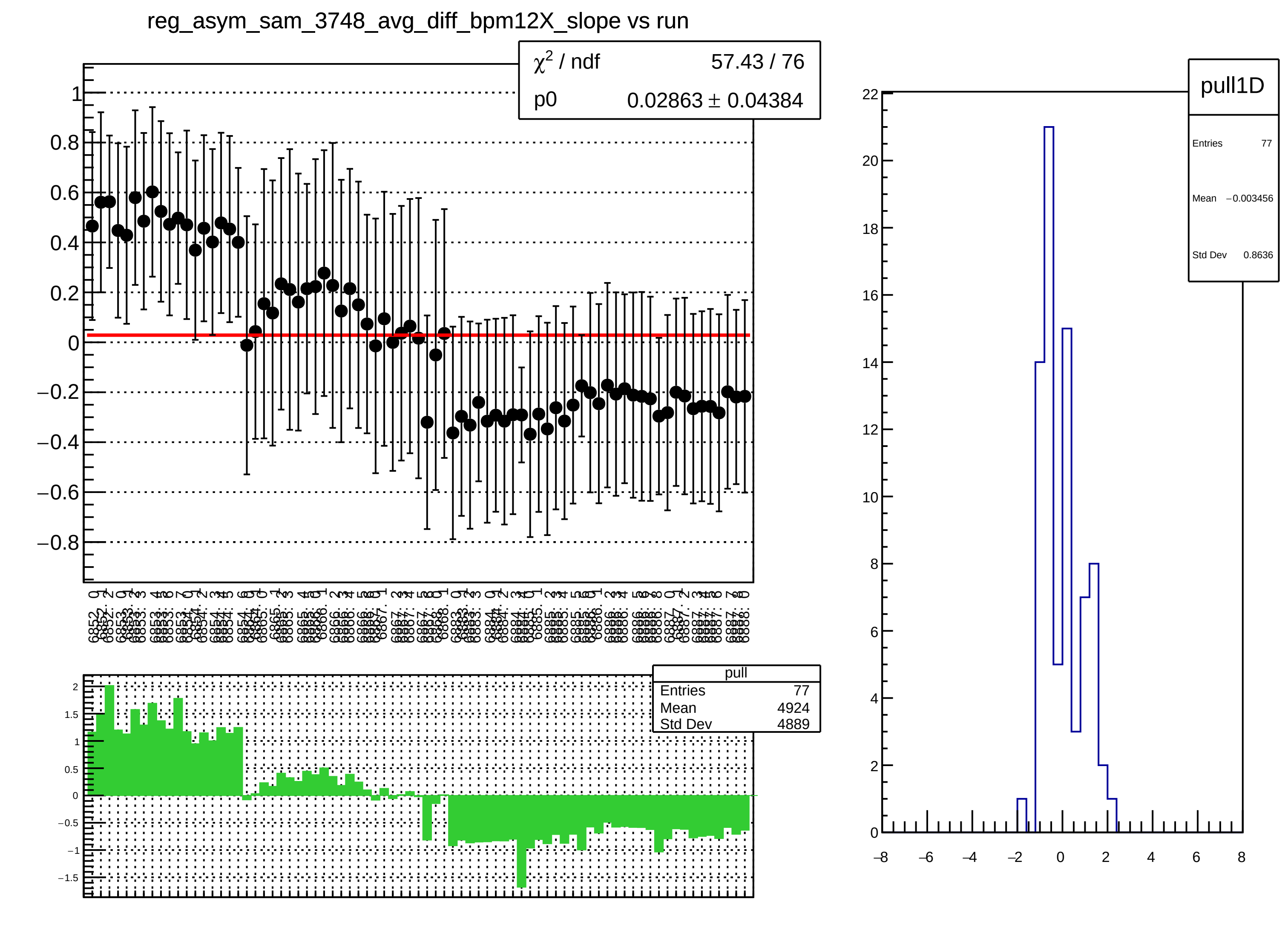
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ2 / ndf 22.19 / 76
p0 −8.896 ± 0.6274
pull
Entries 77
Mean −192.3
Std Dev 197.4
pull1D
Entries 77
Mean 0.007489
Std Dev 0.5368



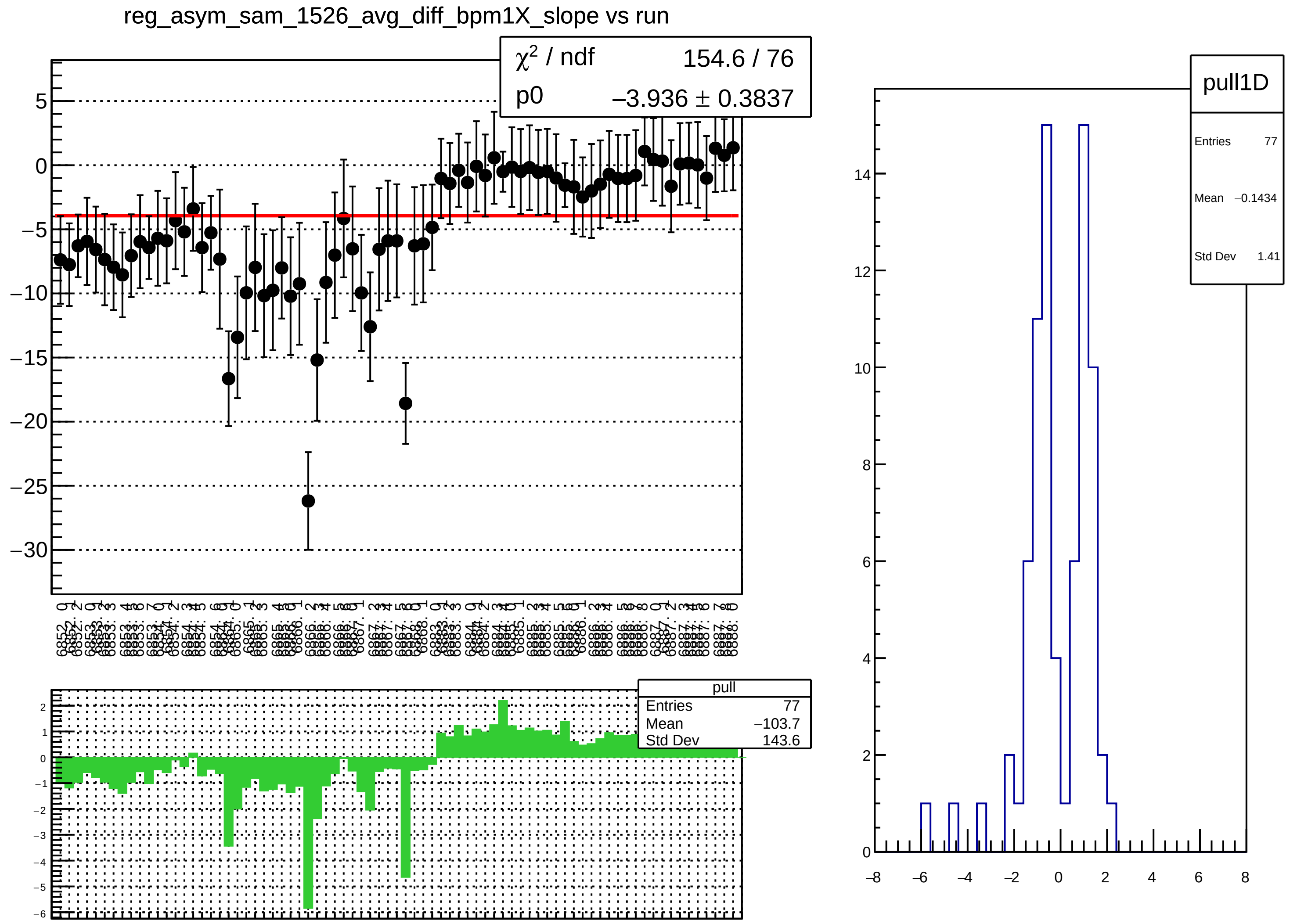
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ2 / ndf 108.1 / 76
p0 −84.45 ± 1.019
−20
−40
−60
−80
−100
pull
Entries 77
Mean −57.33
Std Dev 107.1
pull1D
Entries 77
Mean 0.06937
Std Dev 1.183



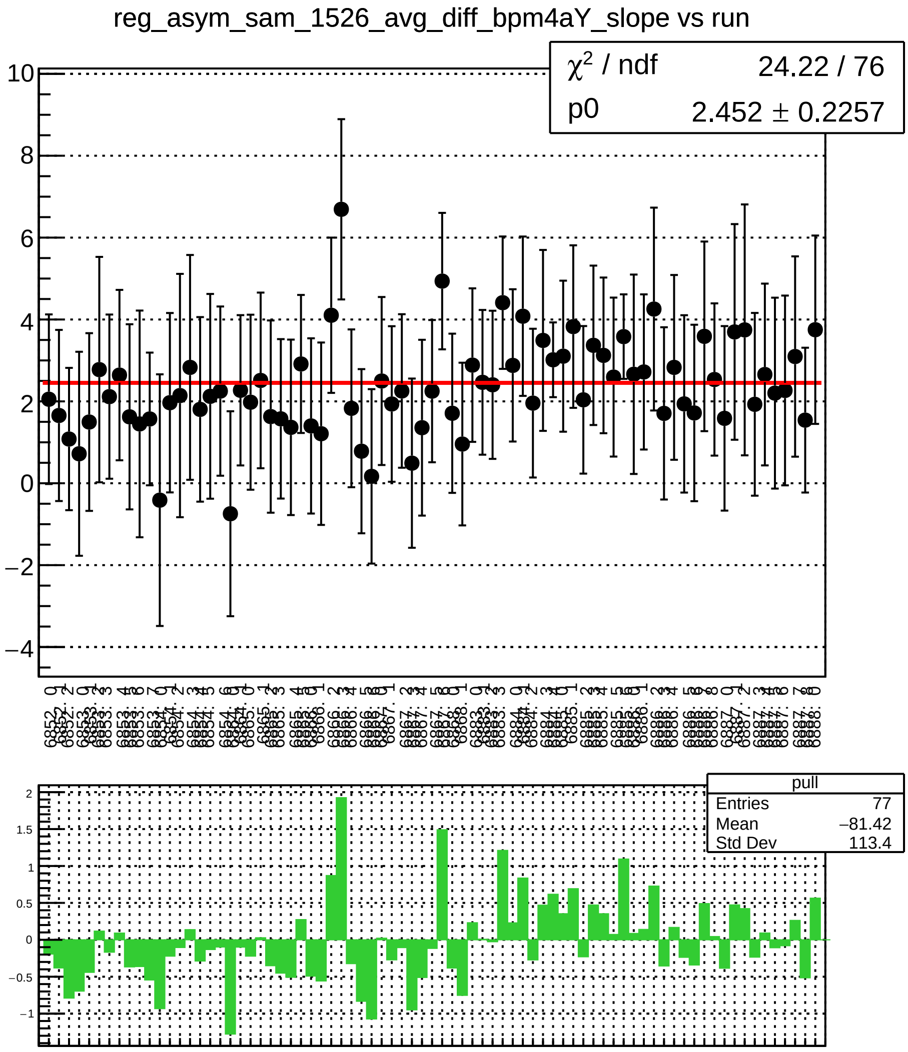
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 18.7 / 76
p0 70.89 ± 0.8085
pull
Entries 77
Mean 185.9
Std Dev 177.4
pull1D
Entries 77
Mean 0.01114
Std Dev 0.4927

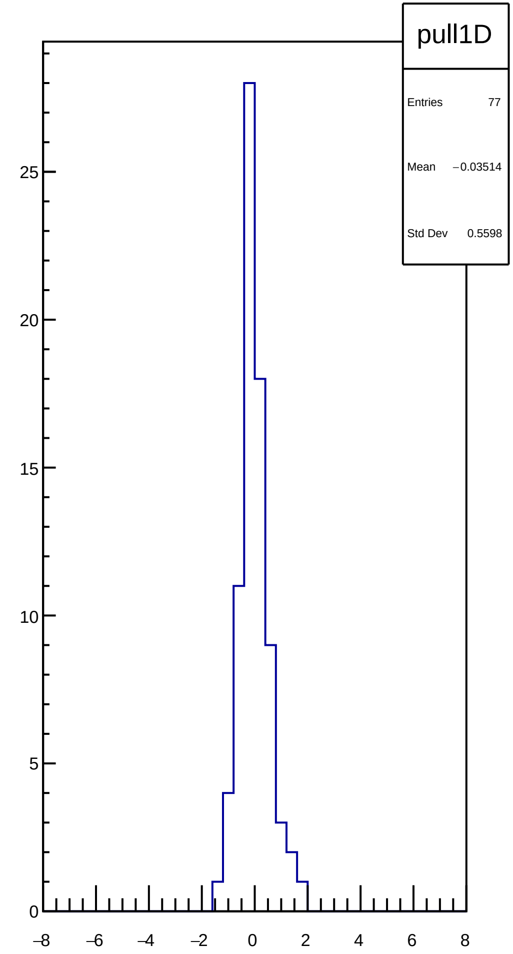


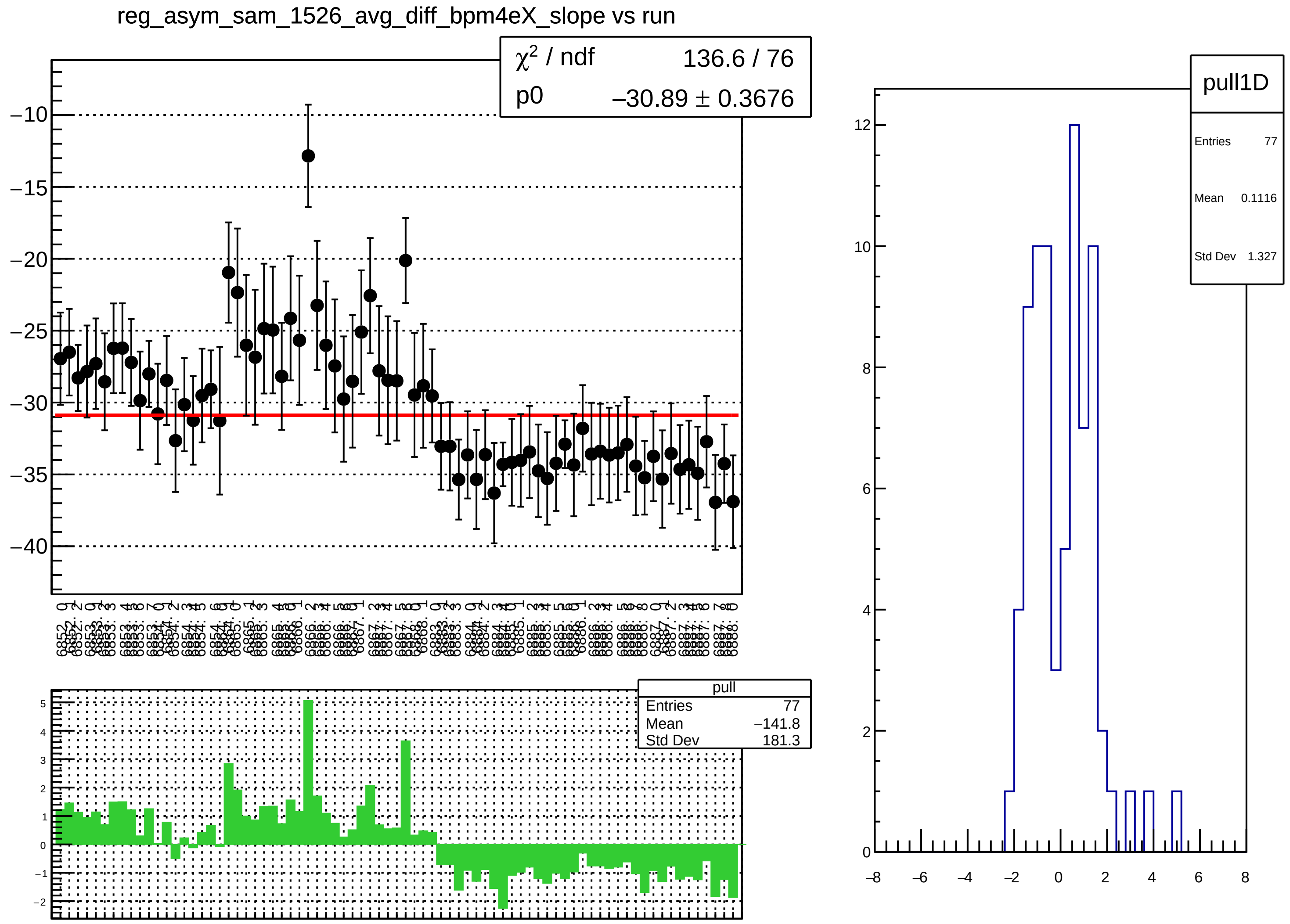
reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 57.43 / 76
p0 0.02863 ± 0.04384
pull
Entries 77
Mean 4924
Std Dev 4889
pull1D
Entries 77
Mean −0.003456
Std Dev 0.8636



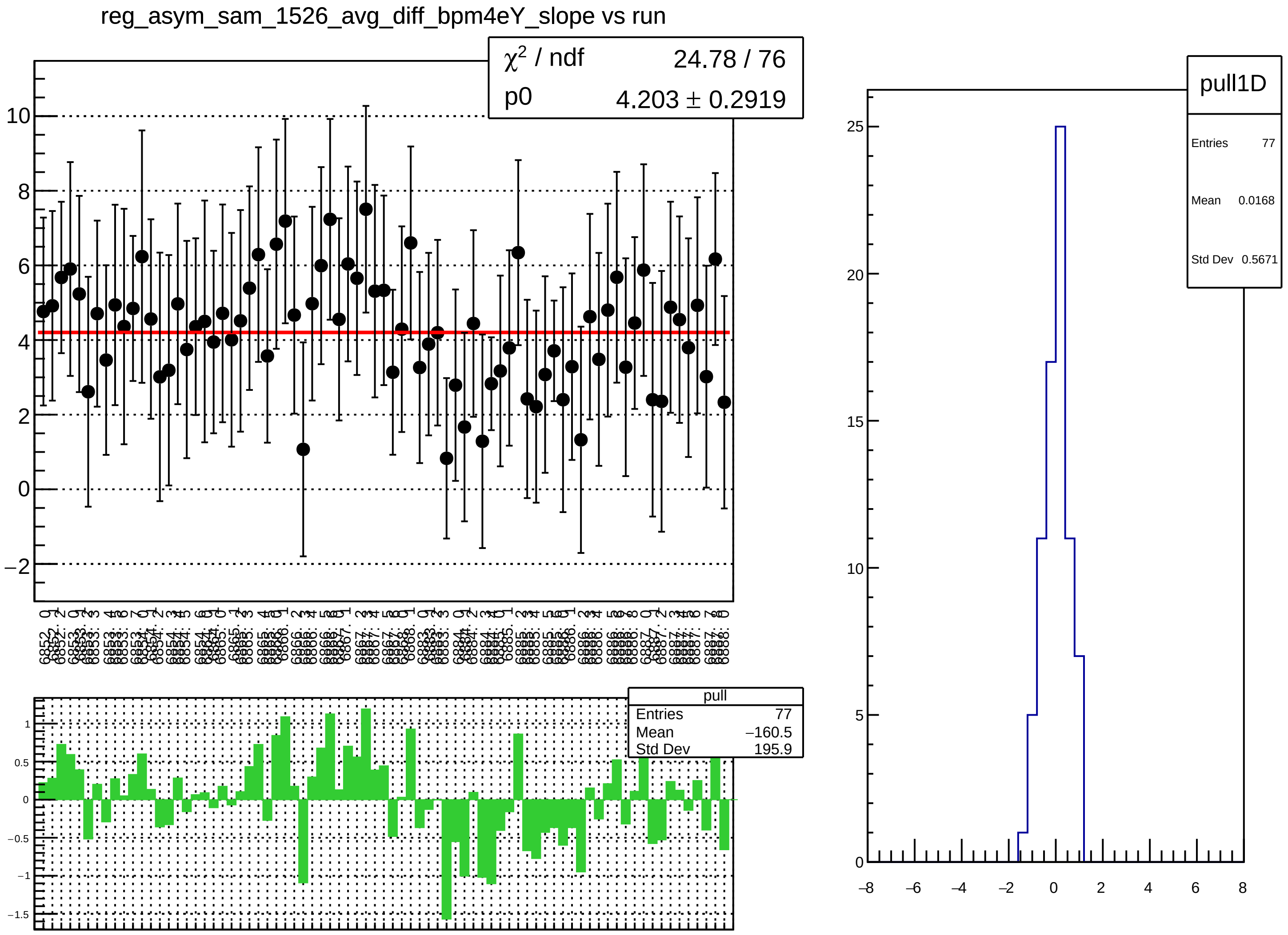
reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 154.6 / 76
p0 −3.936 ± 0.3837
pull
Entries 77
Mean −103.7
Std Dev 143.6
pull1D
Entries 77
Mean −0.1434
Std Dev 1.41

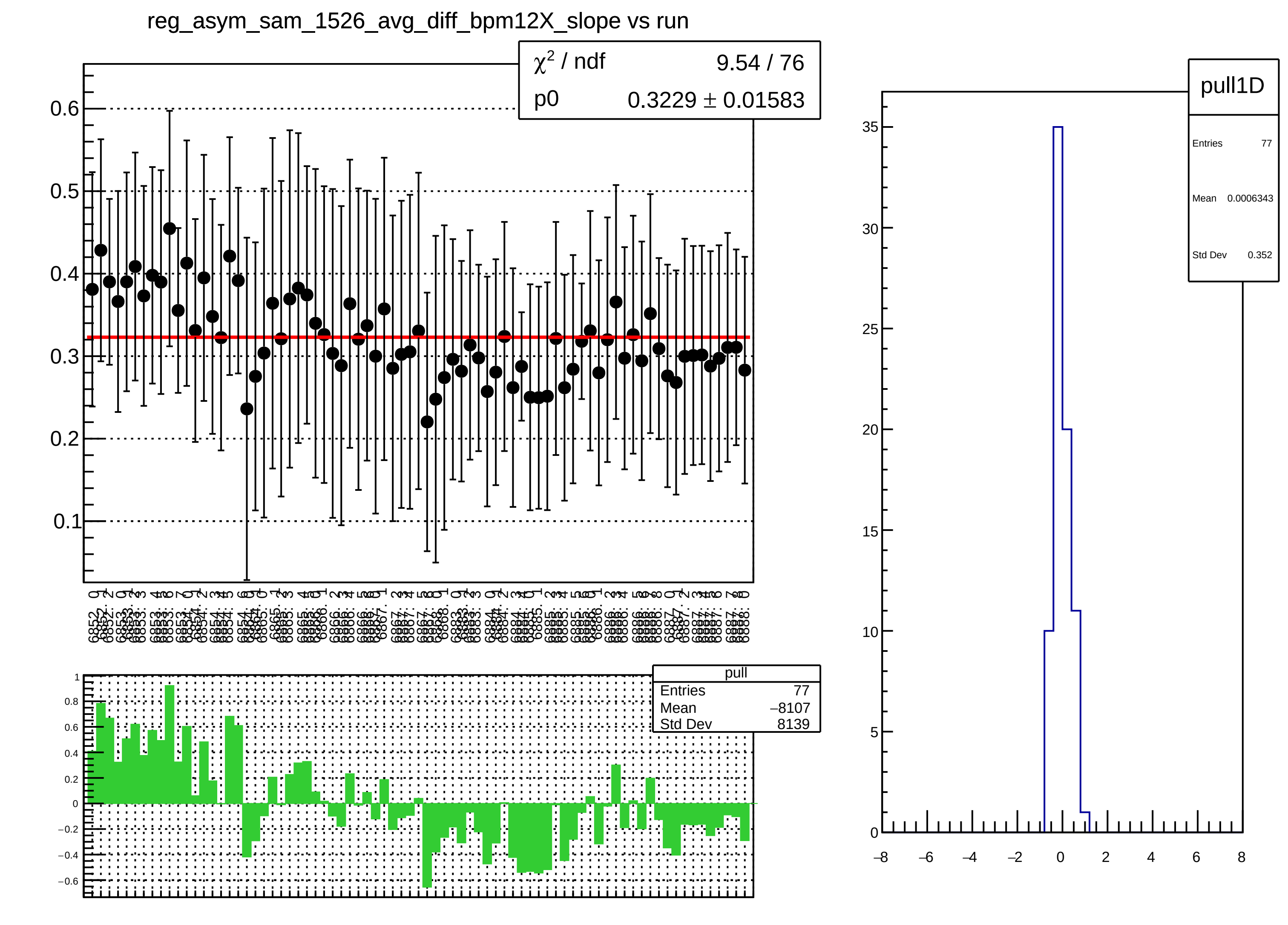

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 24.22 / 76
p0 2.452 ± 0.2257
pull
Entries 77
Mean −81.42
Std Dev 113.4


pull1D
Entries 77
Mean −0.03514
Std Dev 0.5598

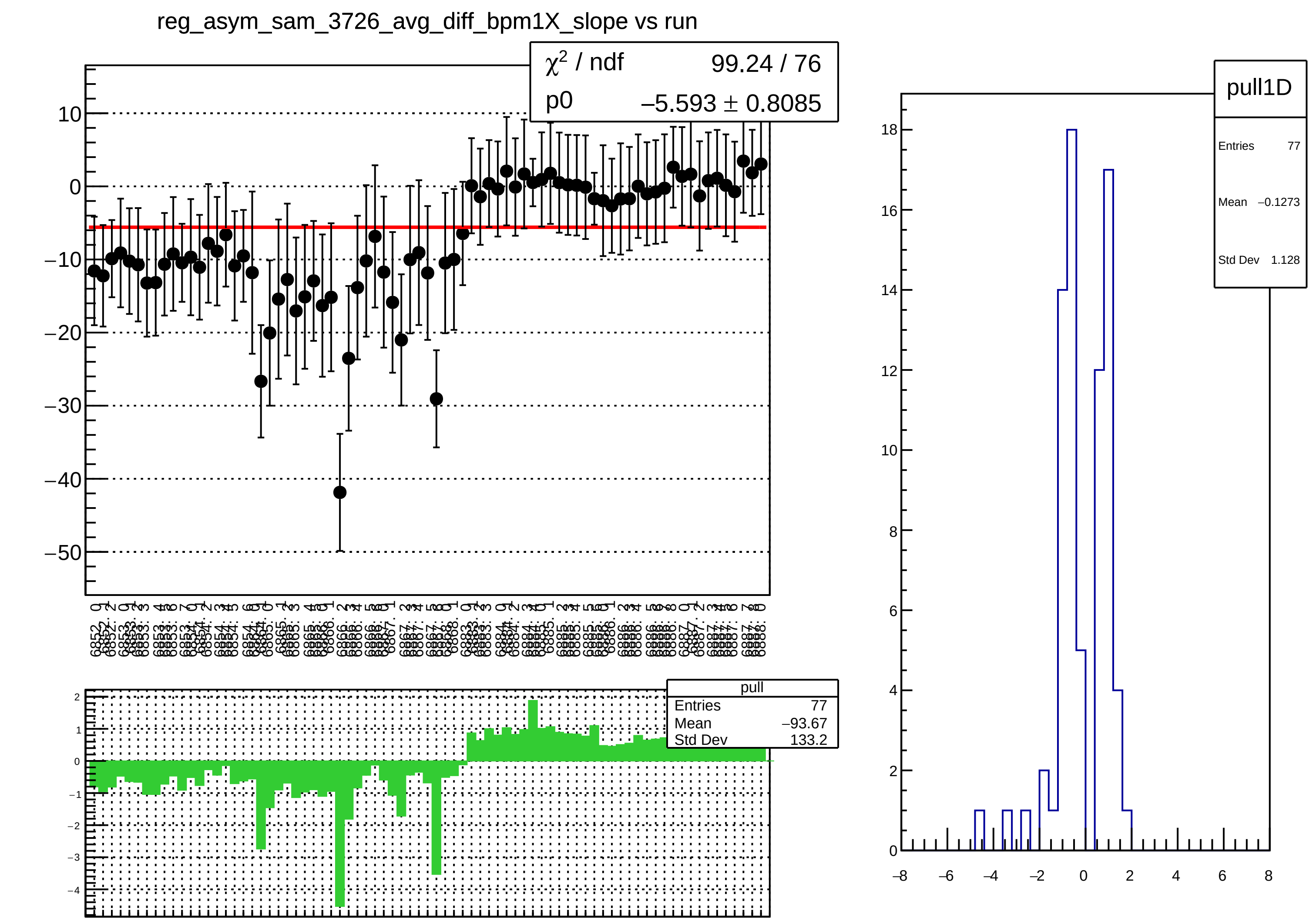


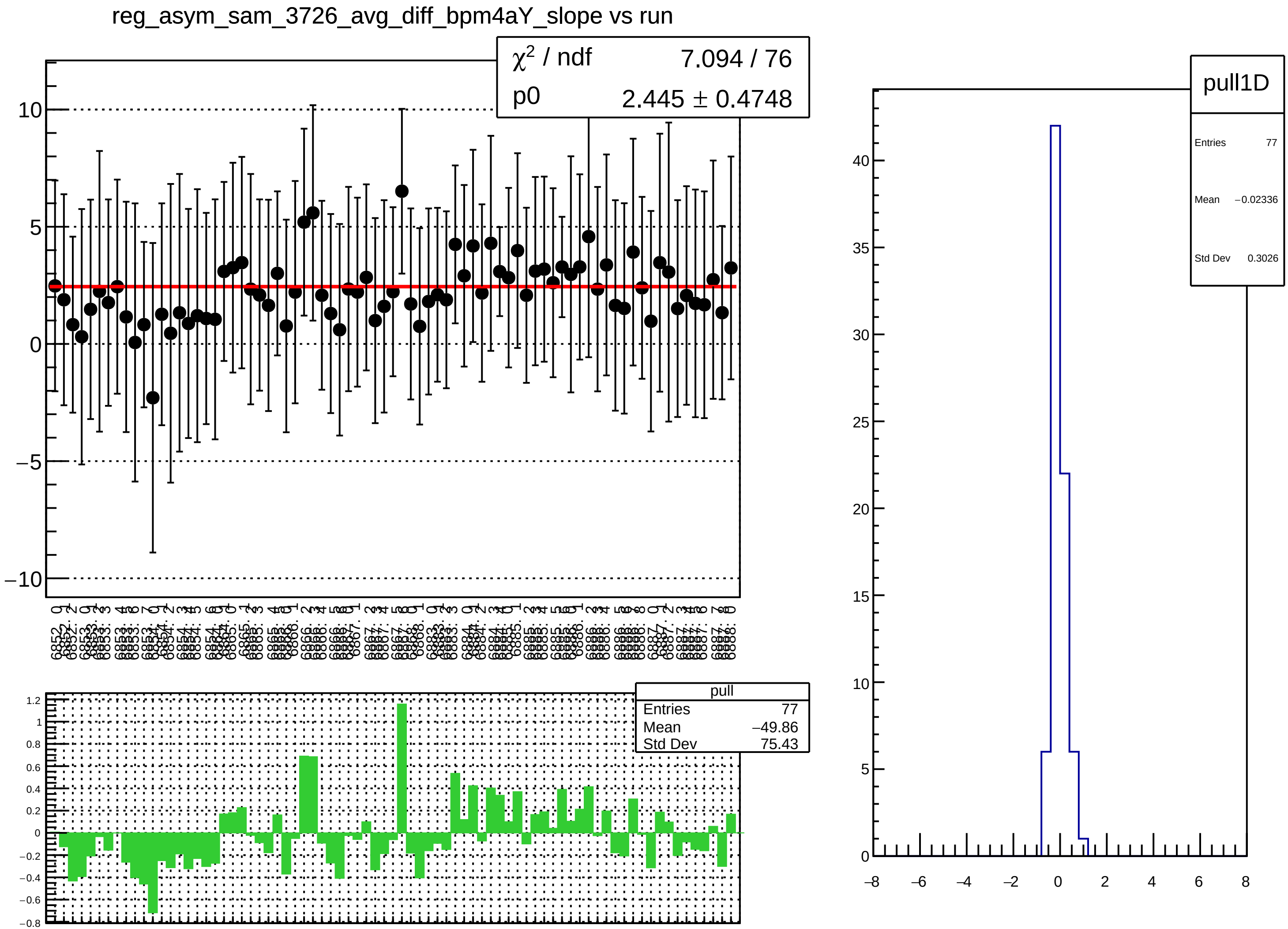
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ2 / ndf 136.6 / 76
p0 −30.89 ± 0.3676
pull
Entries 77
Mean −141.8
Std Dev 181.3
pull1D
Entries 77
Mean 0.1116
Std Dev 1.327


reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 24.78 / 76
p0 4.203 ± 0.2919
pull
Entries 77
Mean −160.5
Std Dev 195.9
pull1D
Entries 77
Mean 0.0168
Std Dev 0.5671

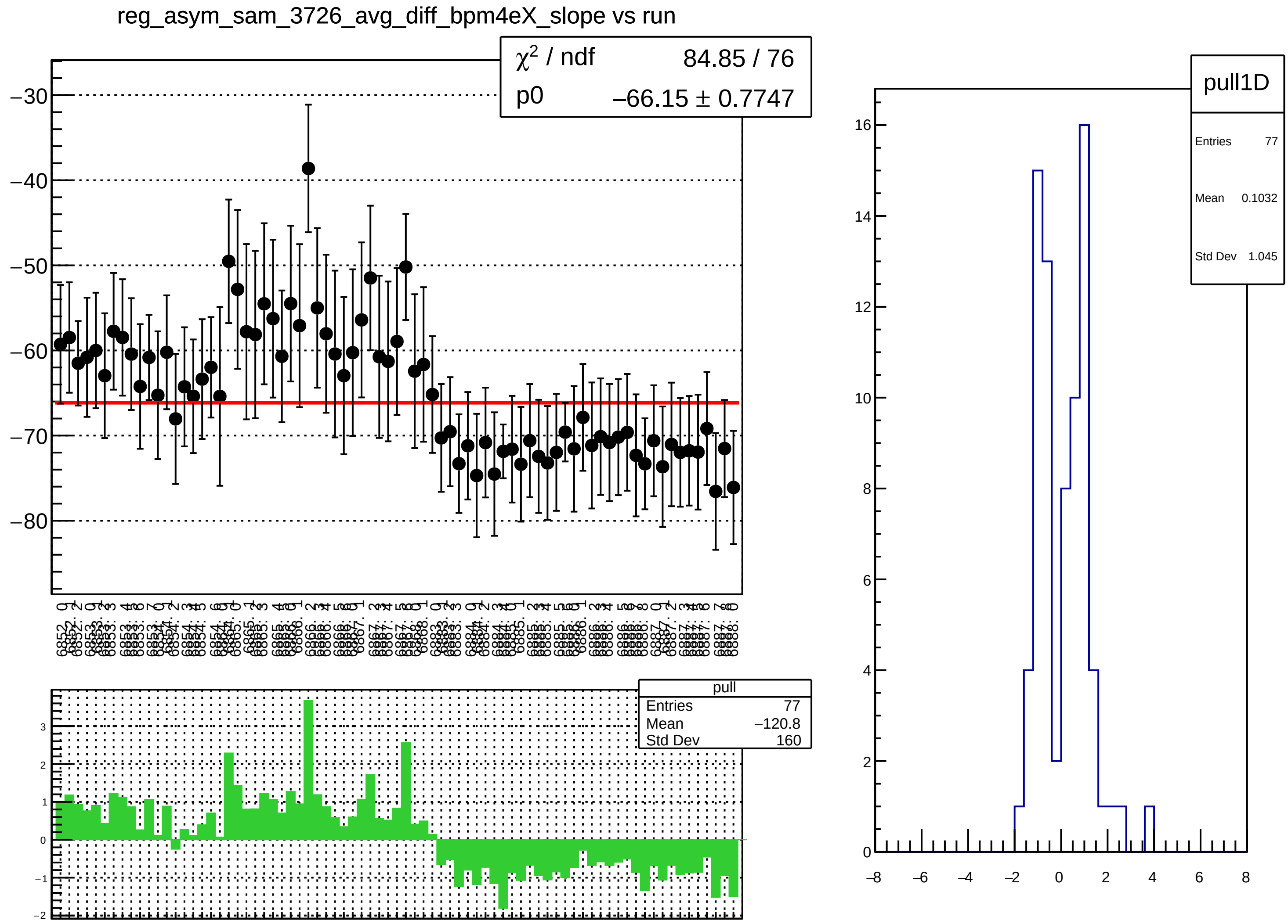


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 9.54 / 76
p0 0.3229 ± 0.01583
pull
Entries 77
Mean −8107
Std Dev 8139
pull1D
Entries 77
Mean 0.0006343
Std Dev 0.352

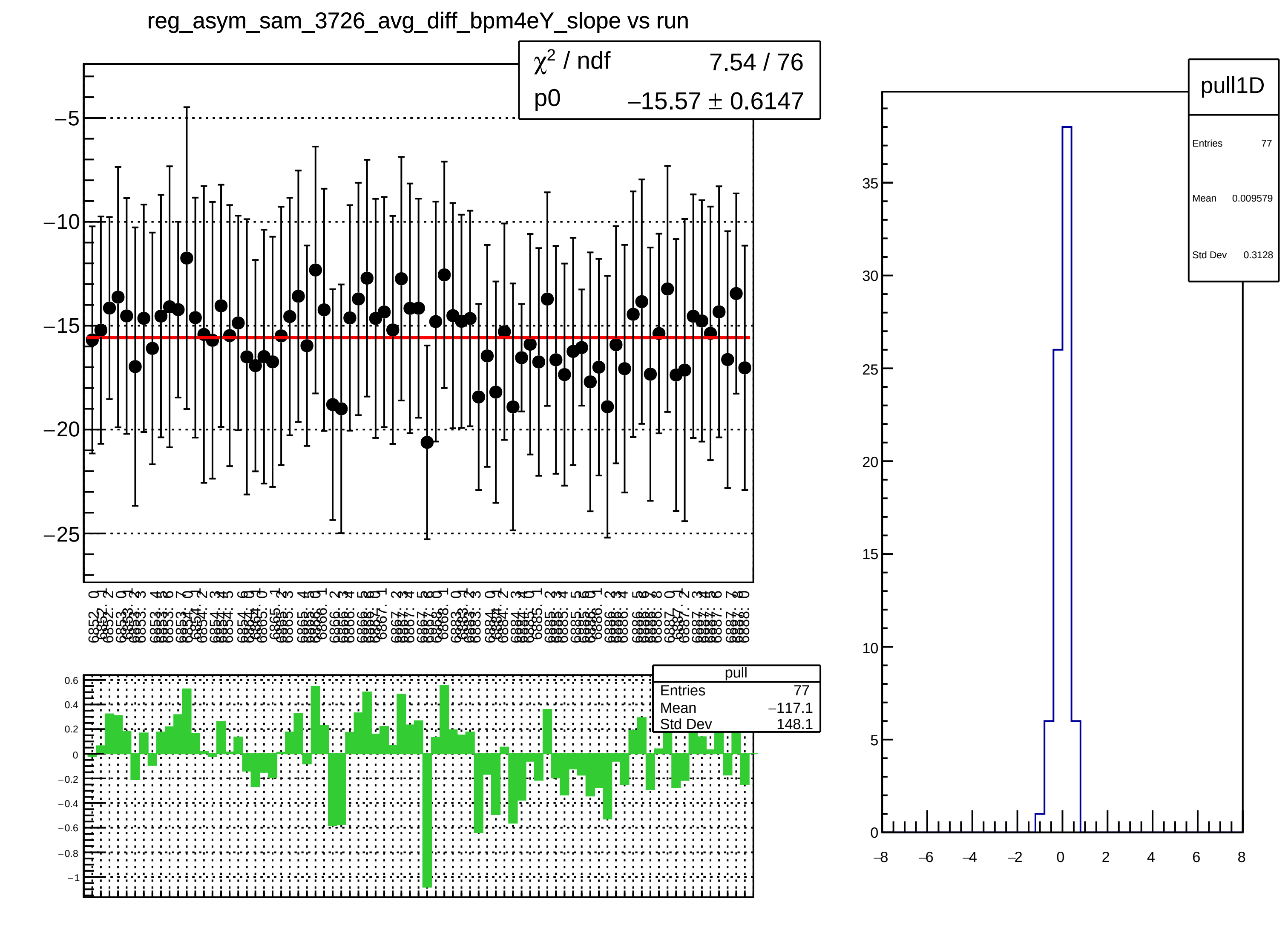

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 99.24 / 76
p0 −5.593 ± 0.8085
pull
Entries 77
Mean −93.67
Std Dev 133.2
pull1D
Entries 77
Mean −0.1273
Std Dev 1.128



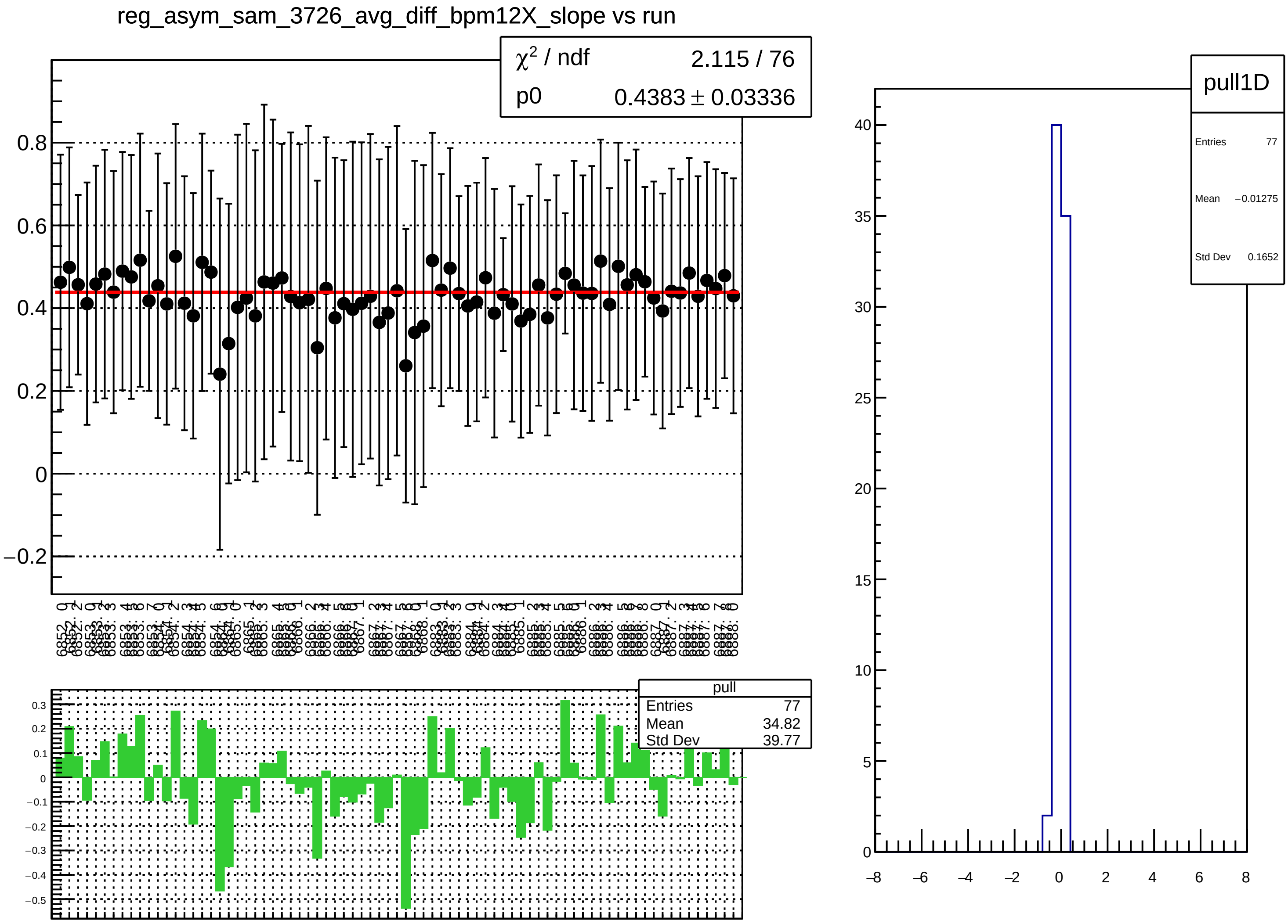
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.094 / 76
p0 2.445 ± 0.4748
pull
Entries 77
Mean −49.86
Std Dev 75.43
pull1D
Entries 77
Mean −0.02336
Std Dev 0.3026



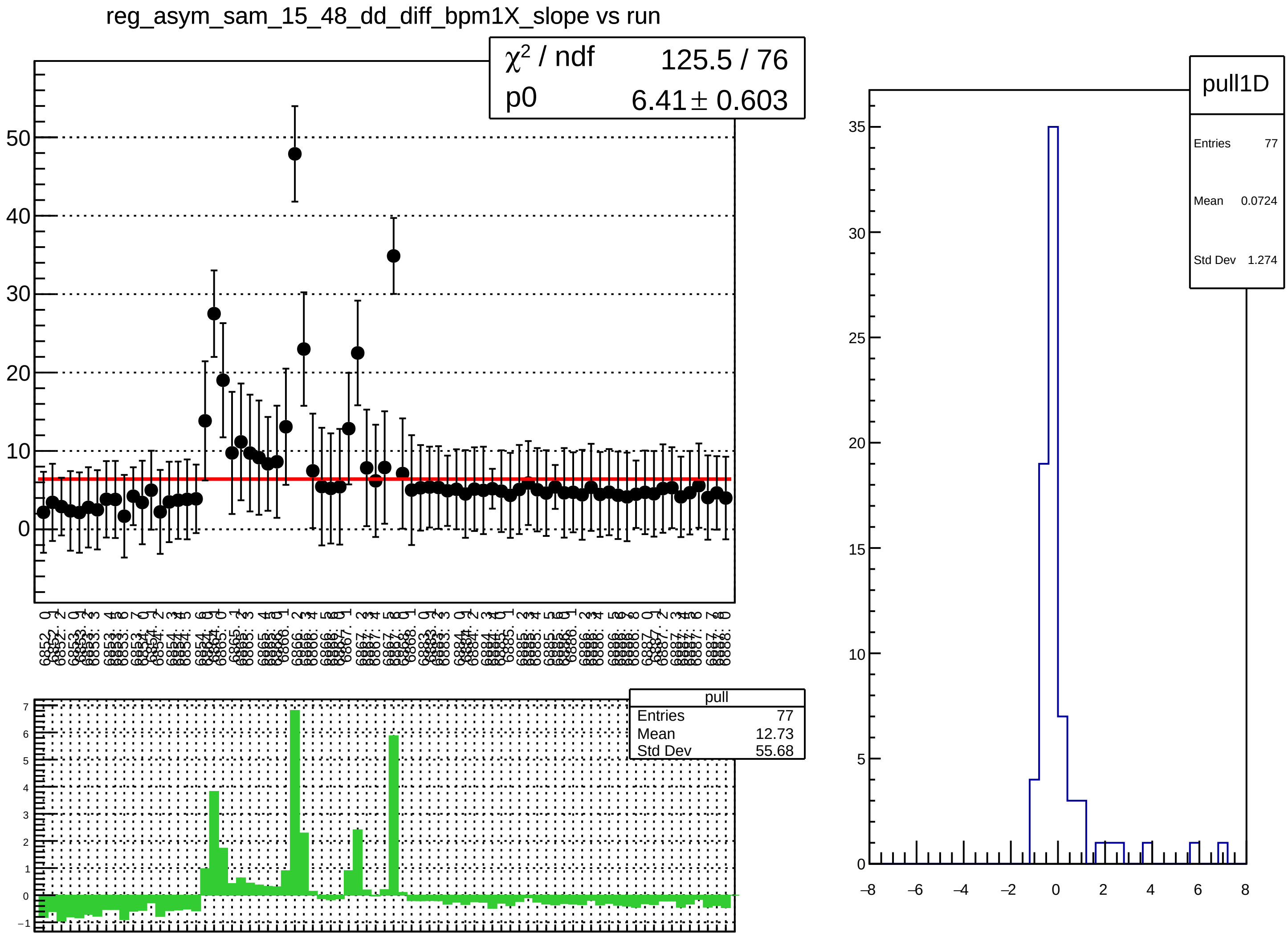
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ2 / ndf 84.85 / 76
p0 −66.15 ± 0.7747
pull
Entries 77
Mean −120.8
Std Dev 160
pull1D
Entries 77
Mean 0.1032
Std Dev 1.045

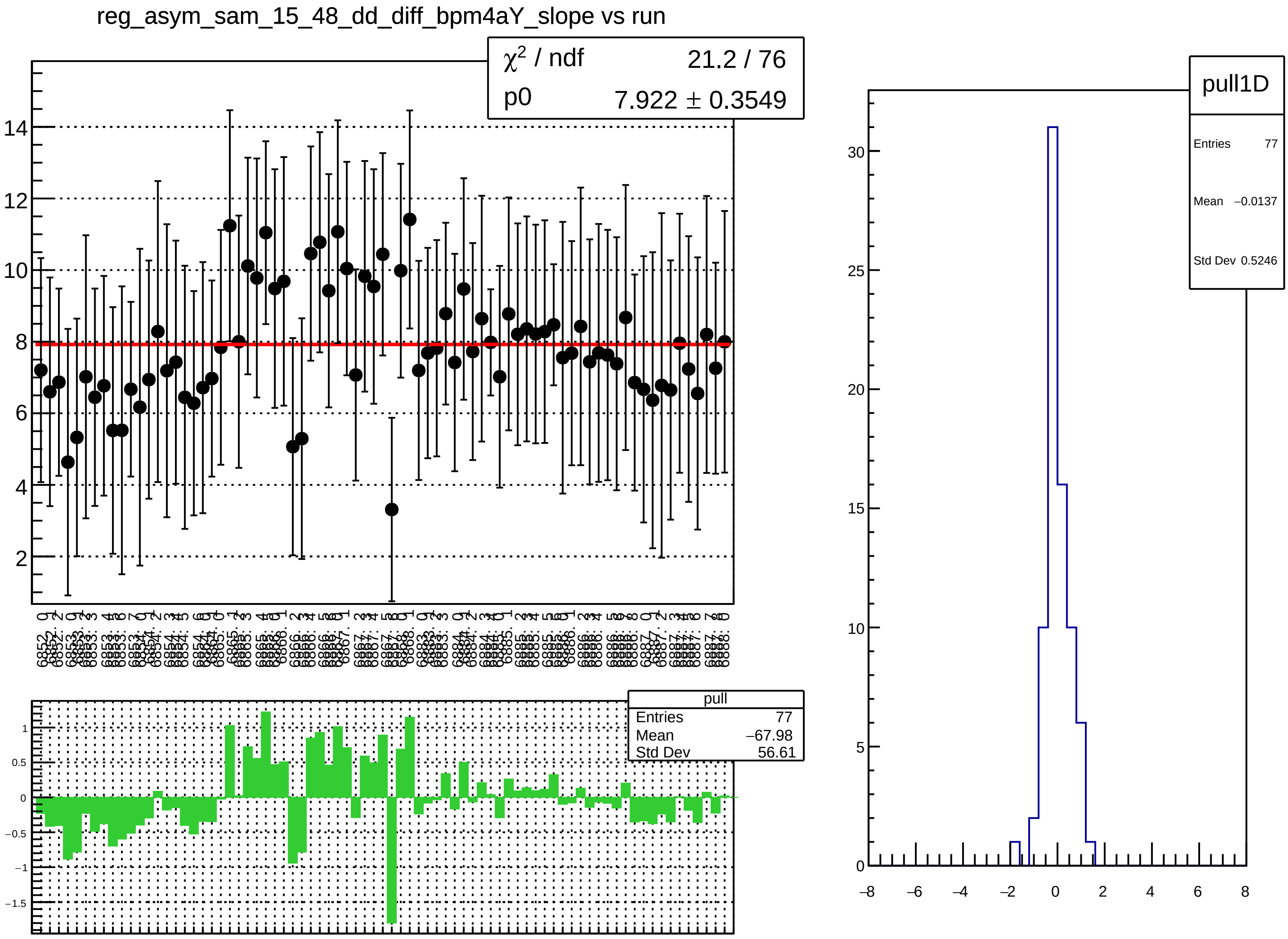


reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 7.54 / 76
p0 −15.57 ± 0.6147
pull
Entries 77
Mean −117.1
Std Dev 148.1
pull1D
Entries 77
Mean 0.009579
Std Dev 0.3128

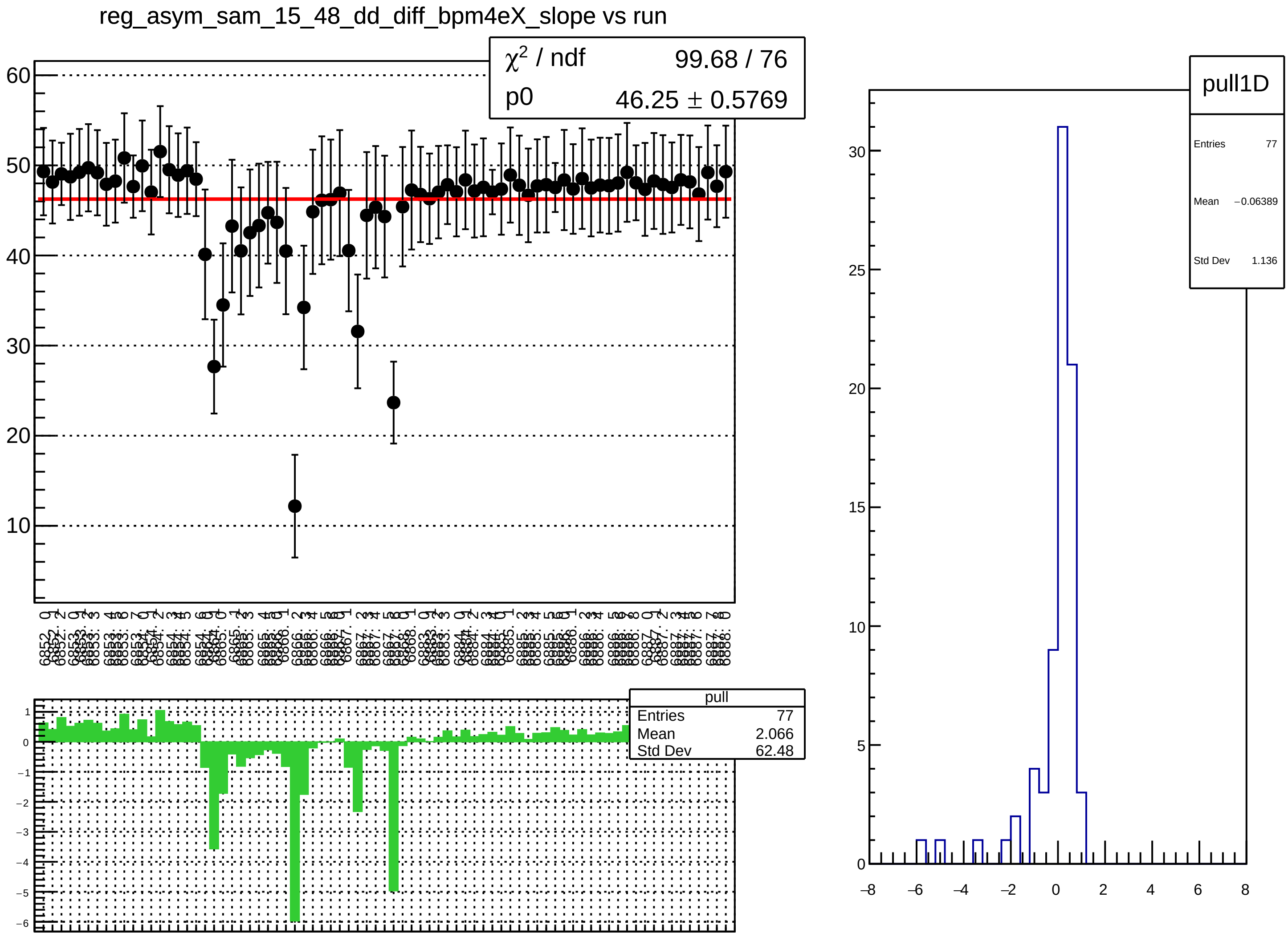


reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 2.115 / 76
p0 0.4383 ± 0.03336
pull
Entries 77
Mean 34.82
Std Dev 39.77
pull1D
Entries 77
Mean −0.01275
Std Dev 0.1652

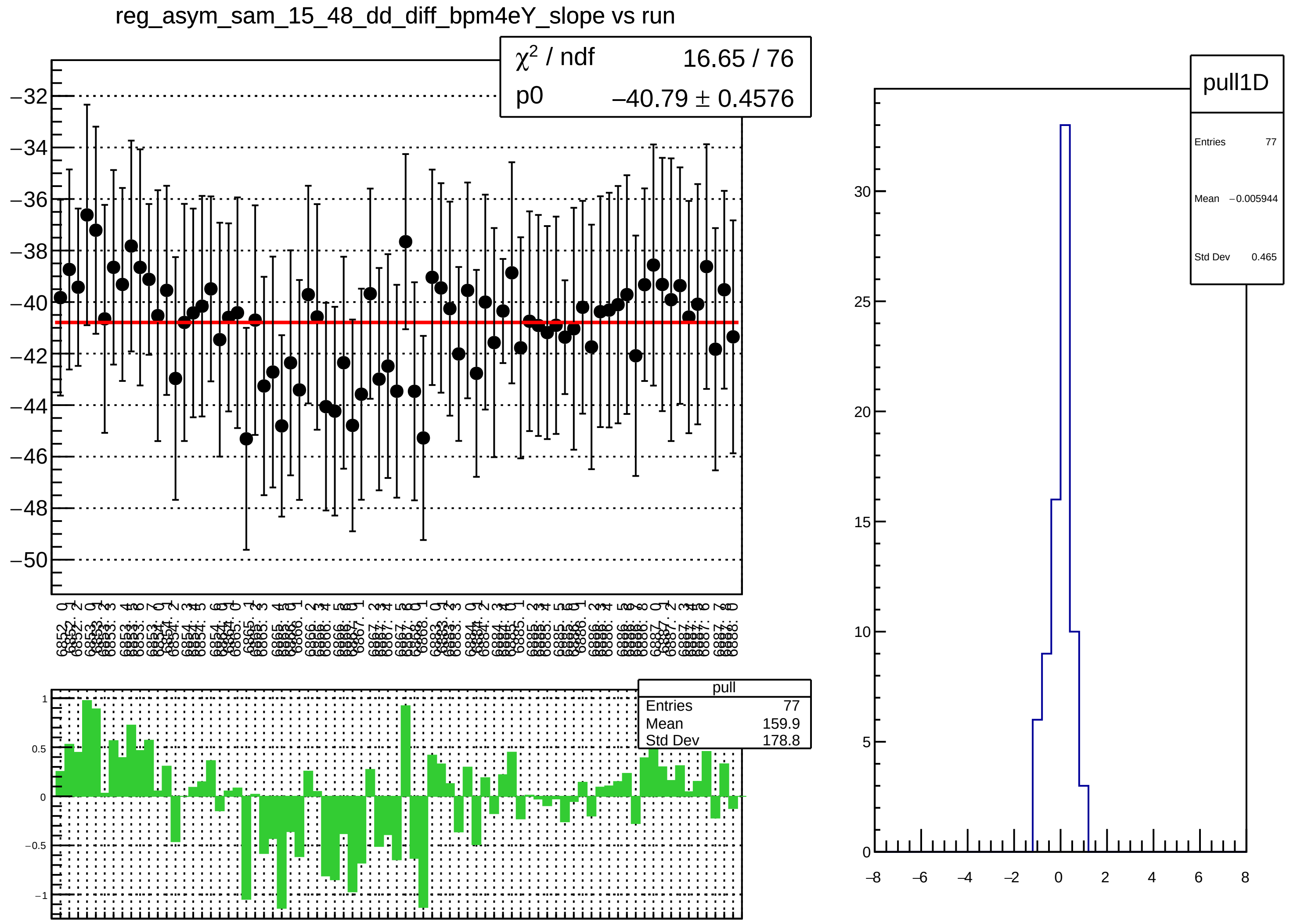

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 125.5 / 76
p0 6.41 ± 0.603
pull
Entries 77
Mean 12.73
Std Dev 55.68
pull1D
Entries 77
Mean 0.0724
Std Dev 1.274

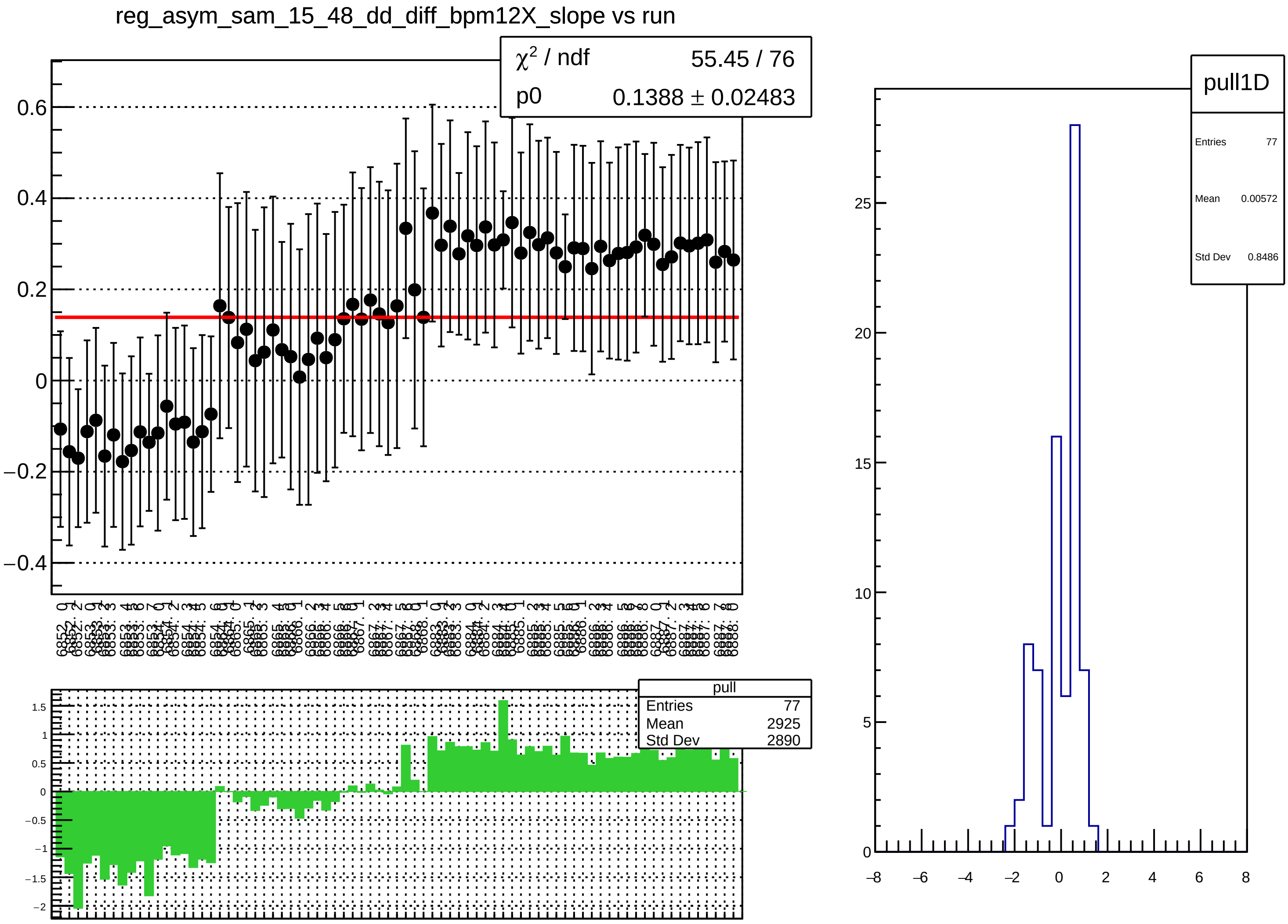


reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 21.2 / 76
p0 7.922 ± 0.3549
pull
Entries 77
Mean −67.98
Std Dev 56.61
pull1D
Entries 77
Mean −0.0137
Std Dev 0.5246

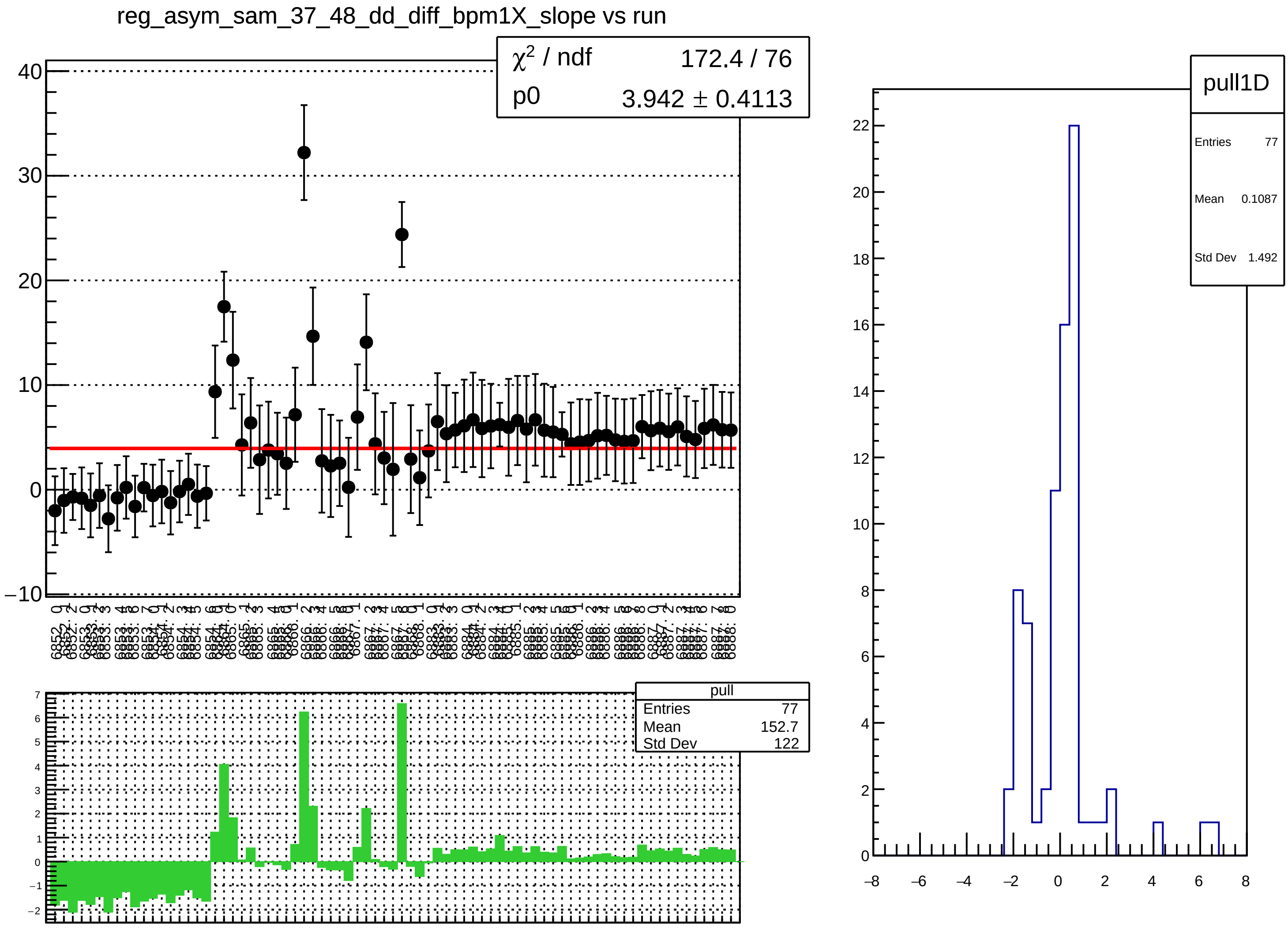


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 99.68 / 76
p0 46.25 ± 0.5769
pull
Entries 77
Mean 2.066
Std Dev 62.48
pull1D
Entries 77
Mean −0.06389
Std Dev 1.136

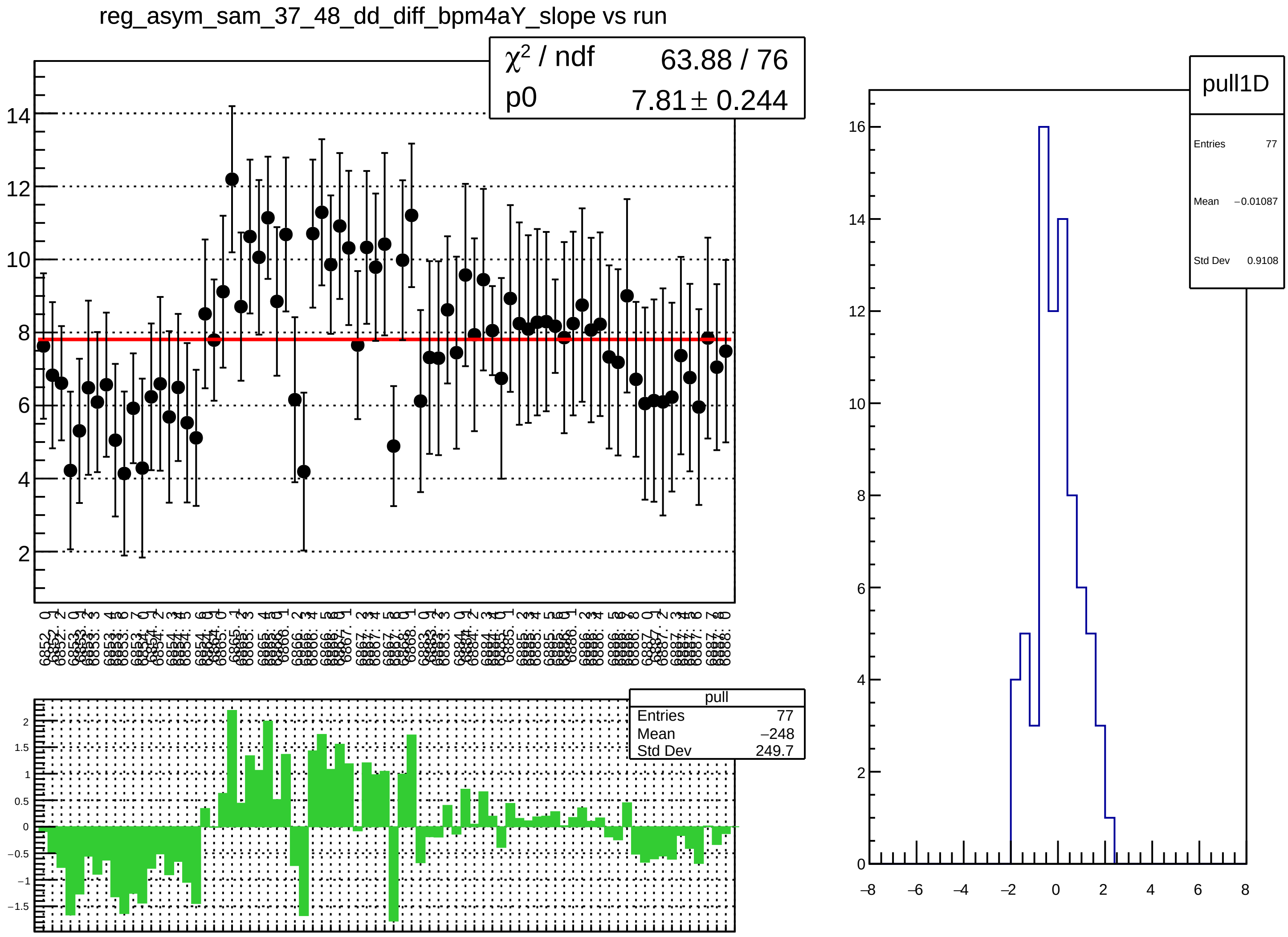

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 16.65 / 76
p0 −40.79 ± 0.4576
pull
Entries 77
Mean 159.9
Std Dev 178.8
pull1D
Entries 77
Mean −0.005944
Std Dev 0.465



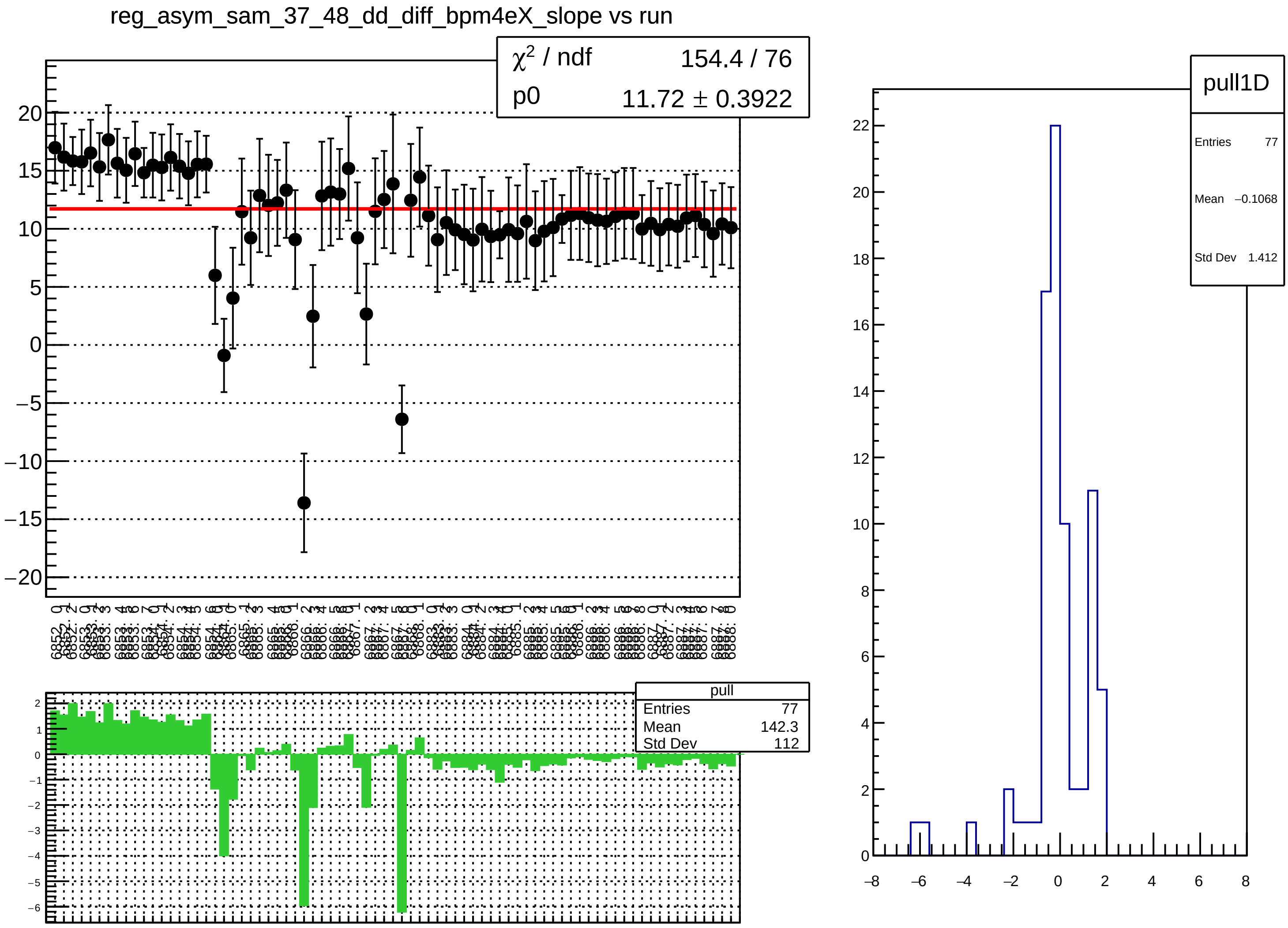
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 55.45 / 76
p0 0.1388 ± 0.02483
pull
Entries 77
Mean 2925
Std Dev 2890
pull1D
Entries 77
Mean 0.00572
Std Dev 0.8486



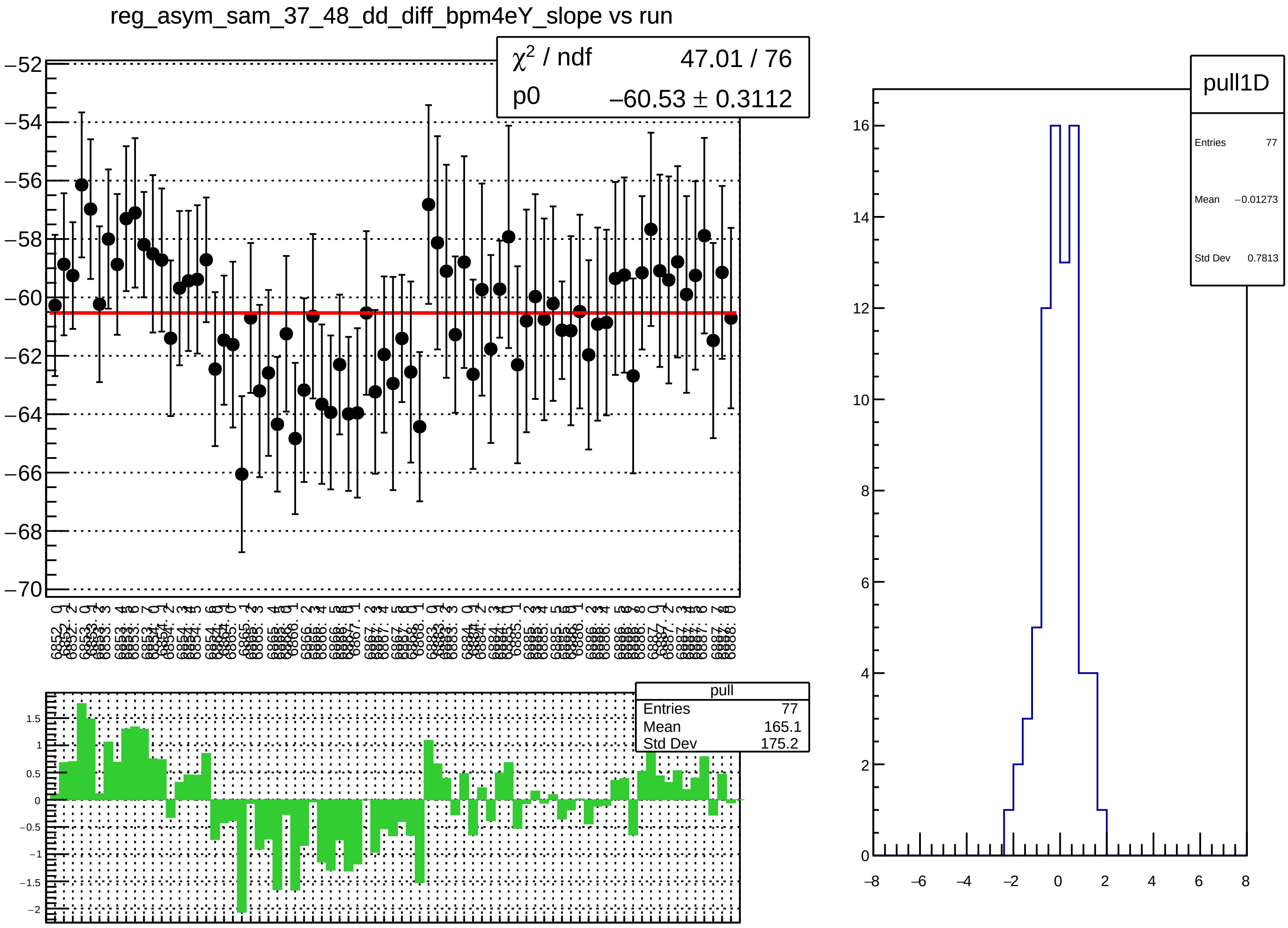
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 172.4 / 76
p0 3.942 ± 0.4113
pull
Entries 77
Mean 152.7
Std Dev 122
pull1D
Entries 77
Mean 0.1087
Std Dev 1.492



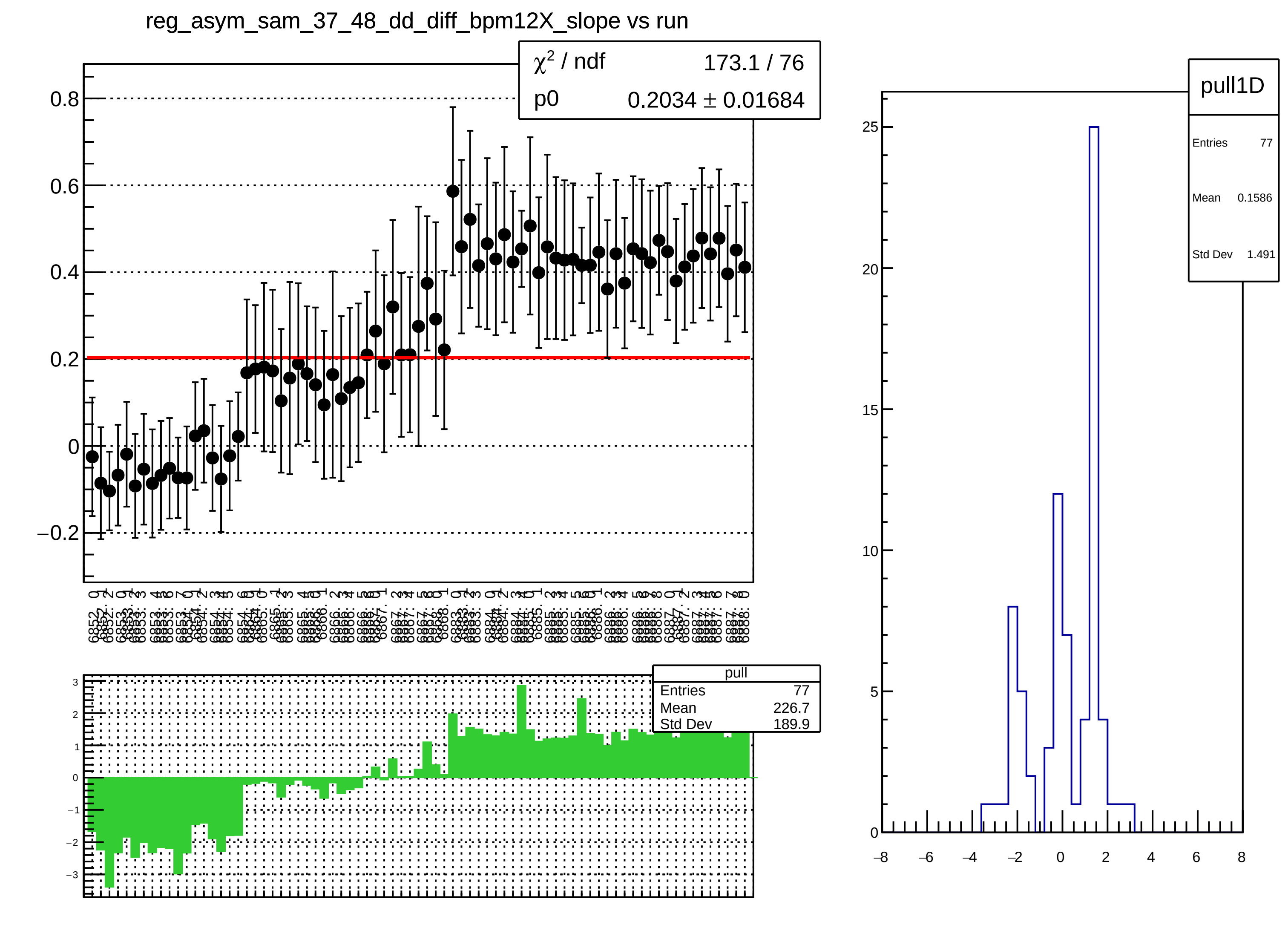
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 63.88 / 76
p0 7.81 ± 0.244
pull
Entries 77
Mean −248
Std Dev 249.7
pull1D
Entries 77
Mean −0.01087
Std Dev 0.9108



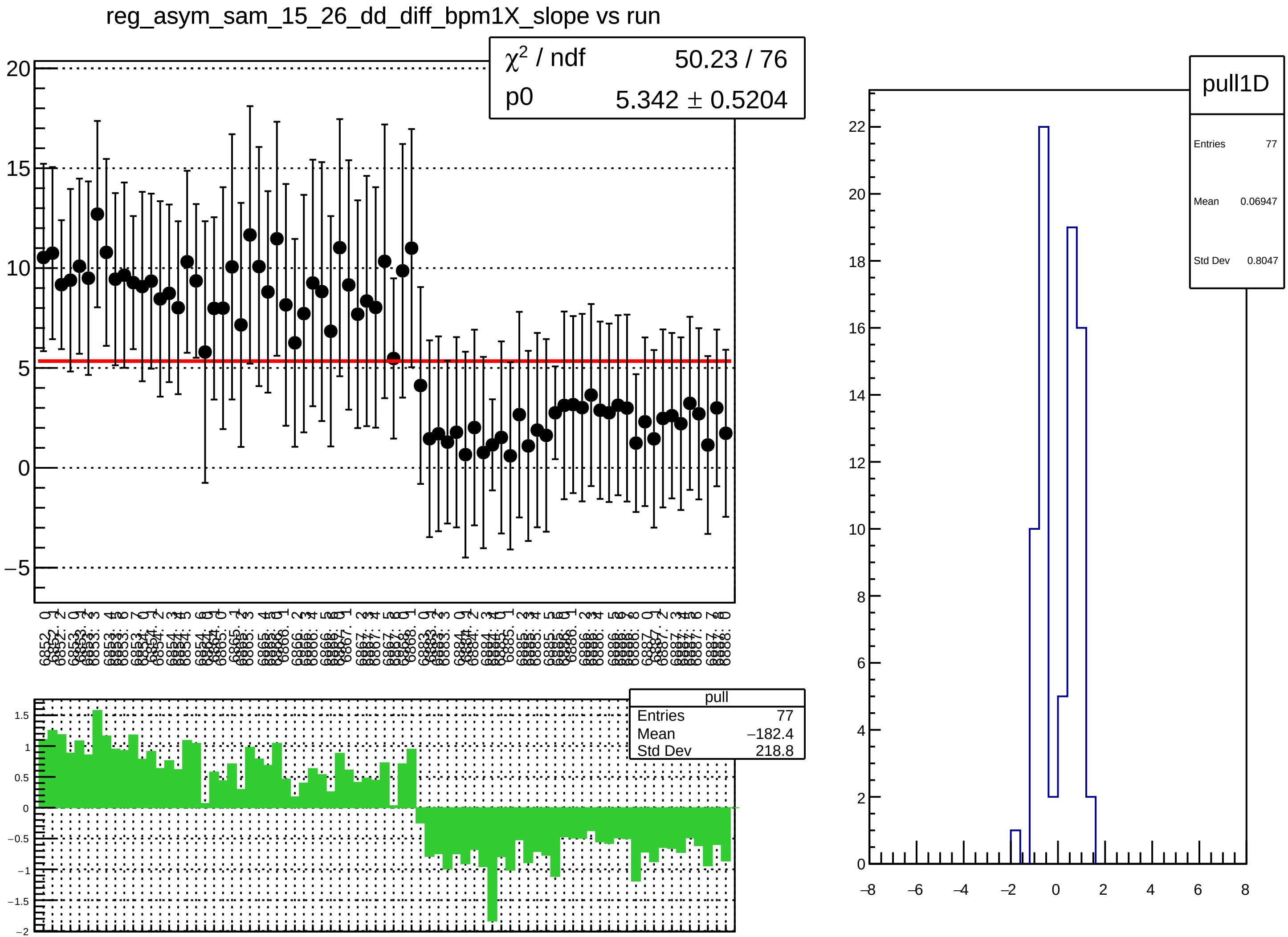
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 154.4 / 76
p0 11.72 ± 0.3922
pull
Entries 77
Mean 142.3
Std Dev 112
pull1D
Entries 77
Mean −0.1068
Std Dev 1.412



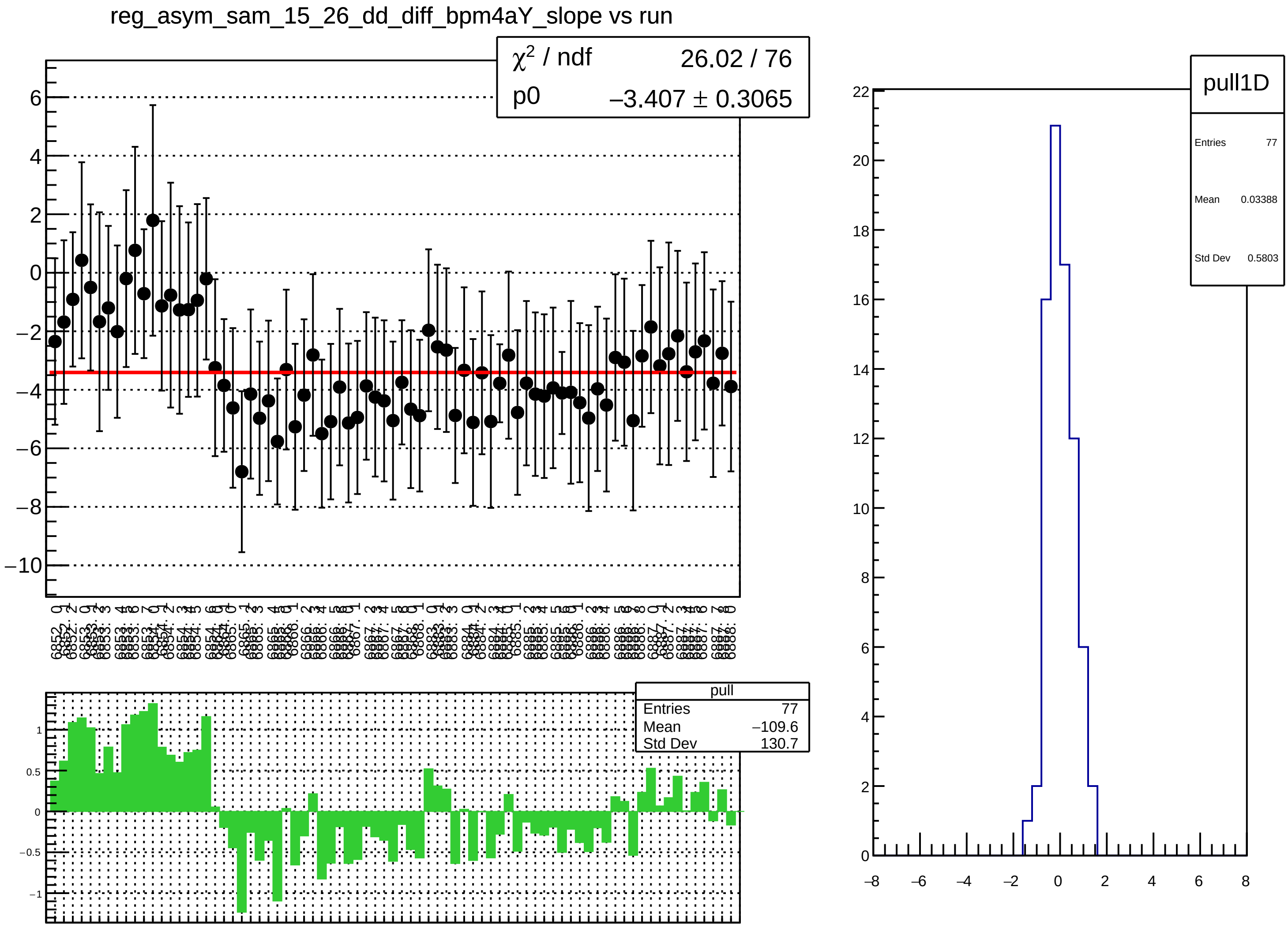
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 47.01 / 76
p0 −60.53 ± 0.3112
pull
Entries 77
Mean 165.1
Std Dev 175.2
pull1D
Entries 77
Mean −0.01273
Std Dev 0.7813

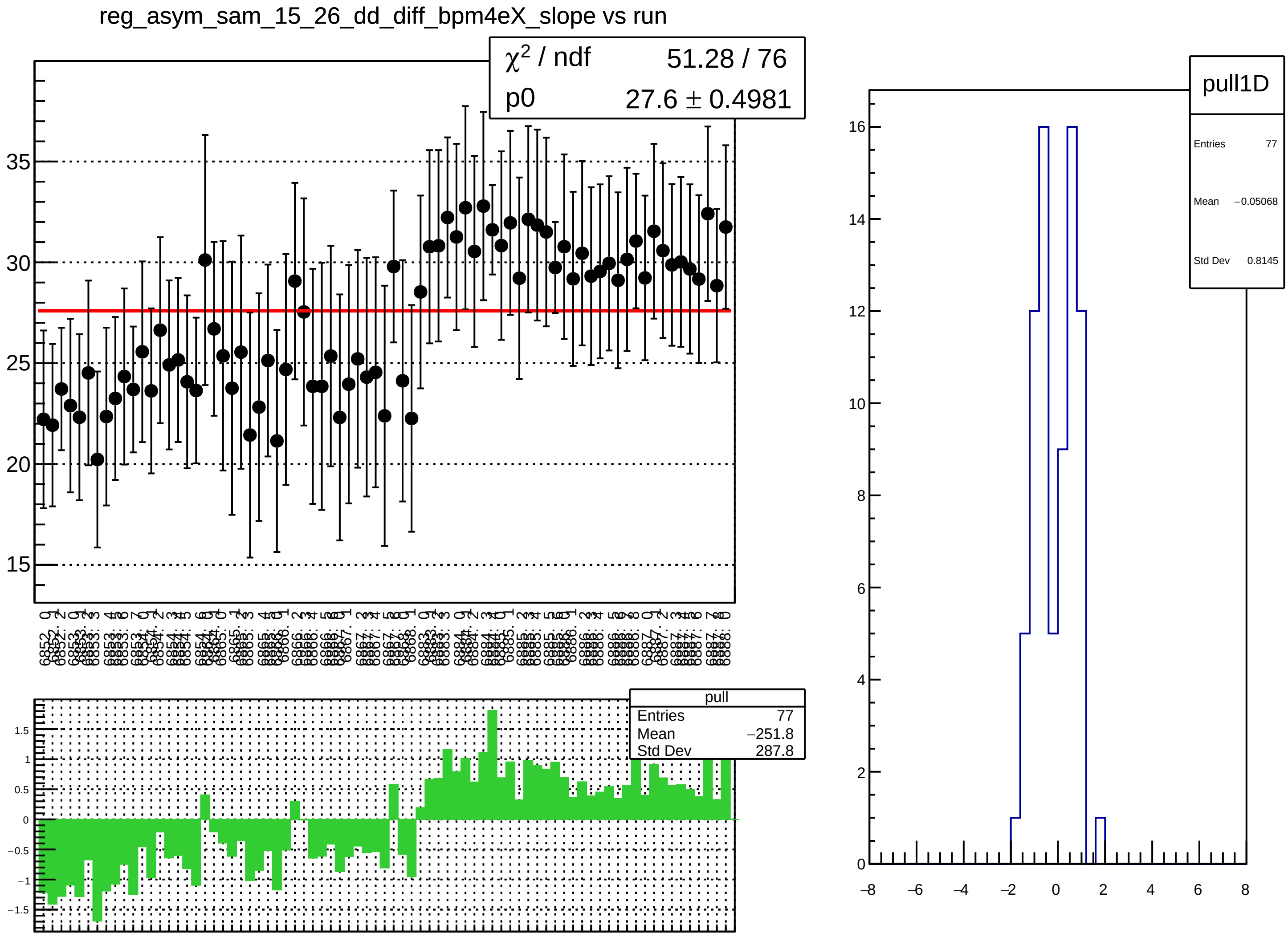


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 173.1 / 76
p0 0.2034 ± 0.01684
pull
Entries 77
Mean 226.7
Std Dev 189.9
pull1D
Entries 77
Mean 0.1586
Std Dev 1.491

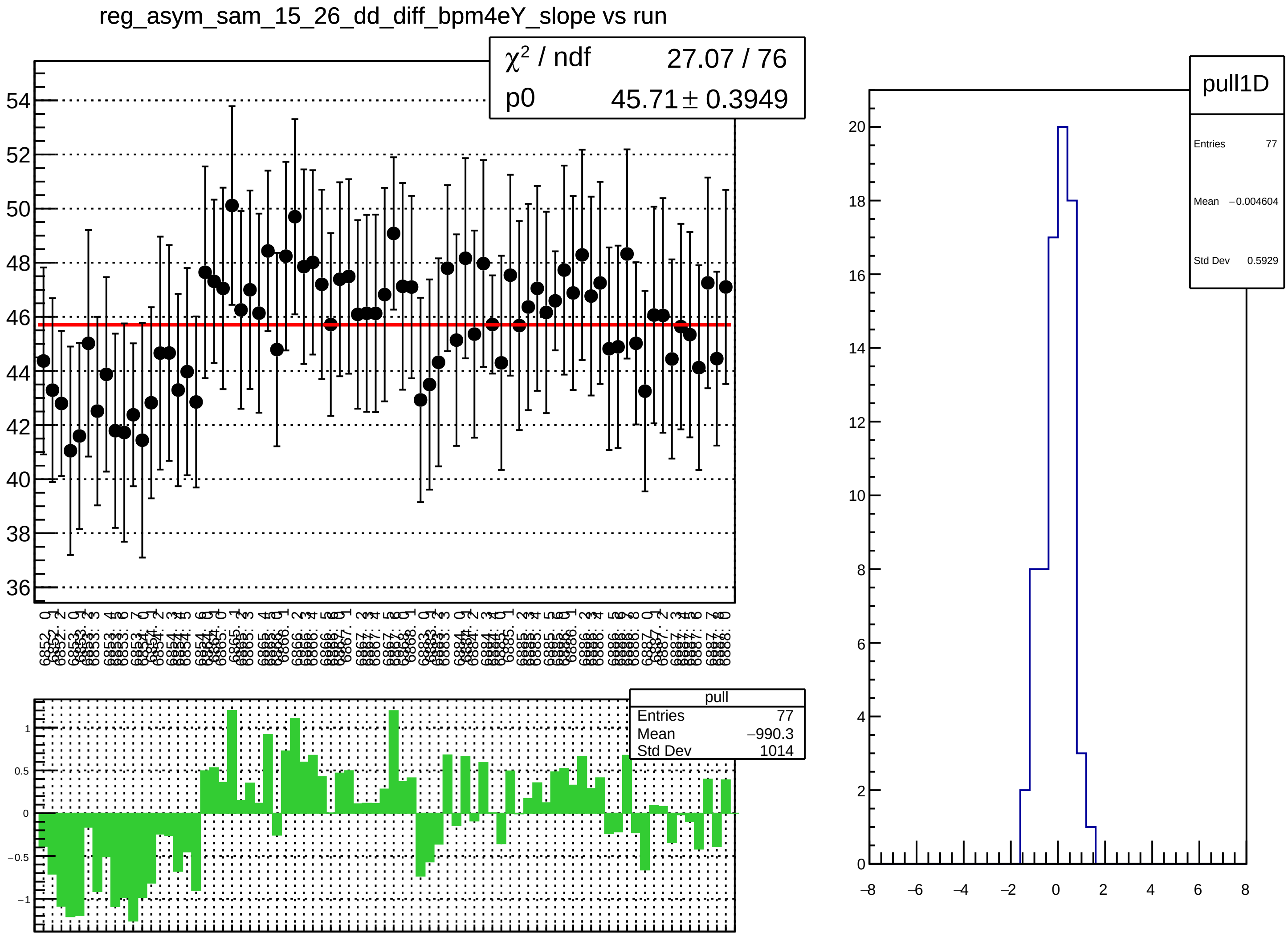


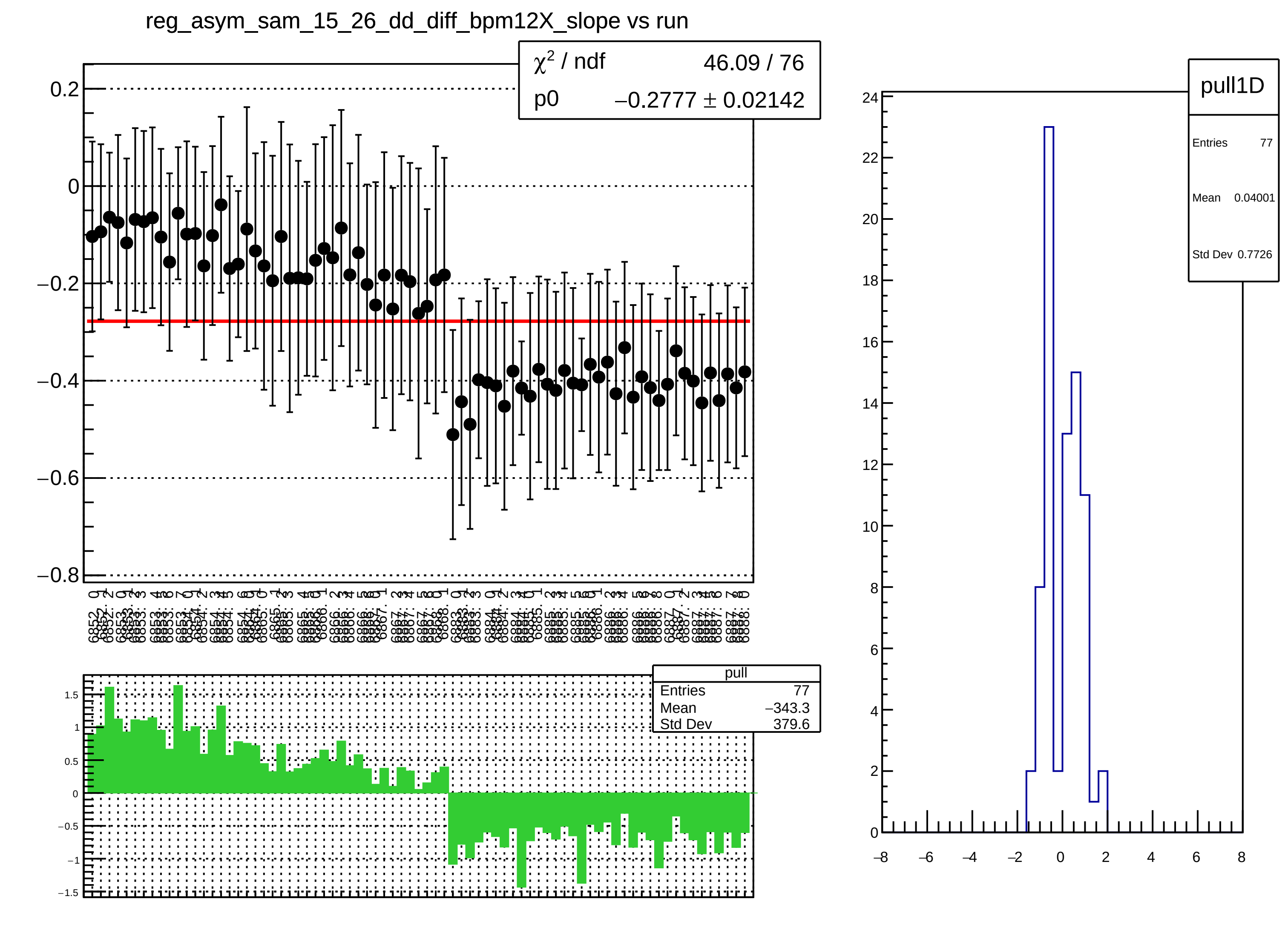
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 50.23 / 76
p0 5.342 ± 0.5204
pull
Entries 77
Mean −182.4
Std Dev 218.8
pull1D
Entries 77
Mean 0.06947
Std Dev 0.8047


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 26.02 / 76
p0 −3.407 ± 0.3065
pull
Entries 77
Mean −109.6
Std Dev 130.7
pull1D
Entries 77
Mean 0.03388
Std Dev 0.5803

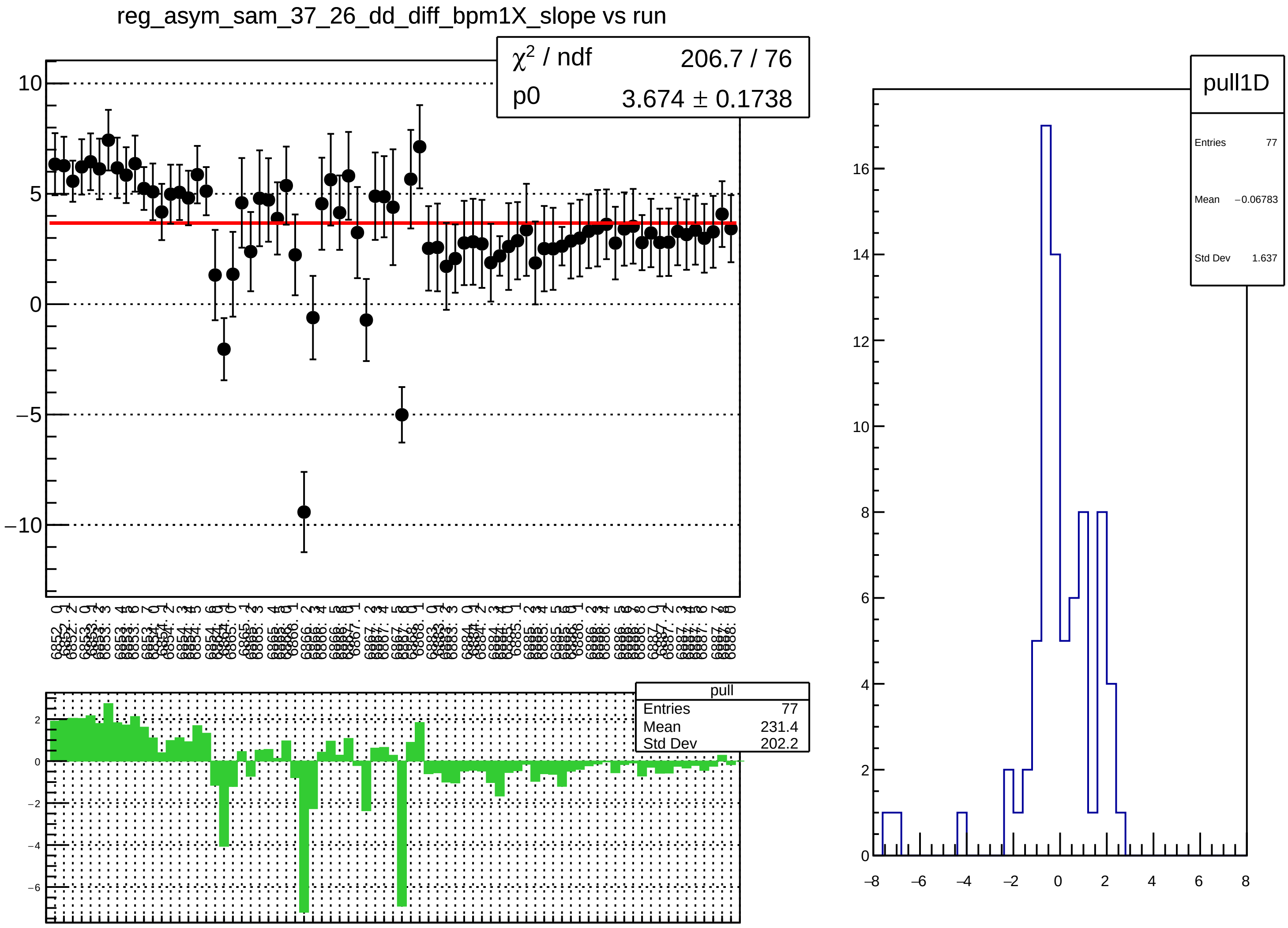


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 51.28 / 76
p0 27.6 ± 0.4981
pull
Entries 77
Mean −251.8
Std Dev 287.8
pull1D
Entries 77
Mean −0.05068
Std Dev 0.8145

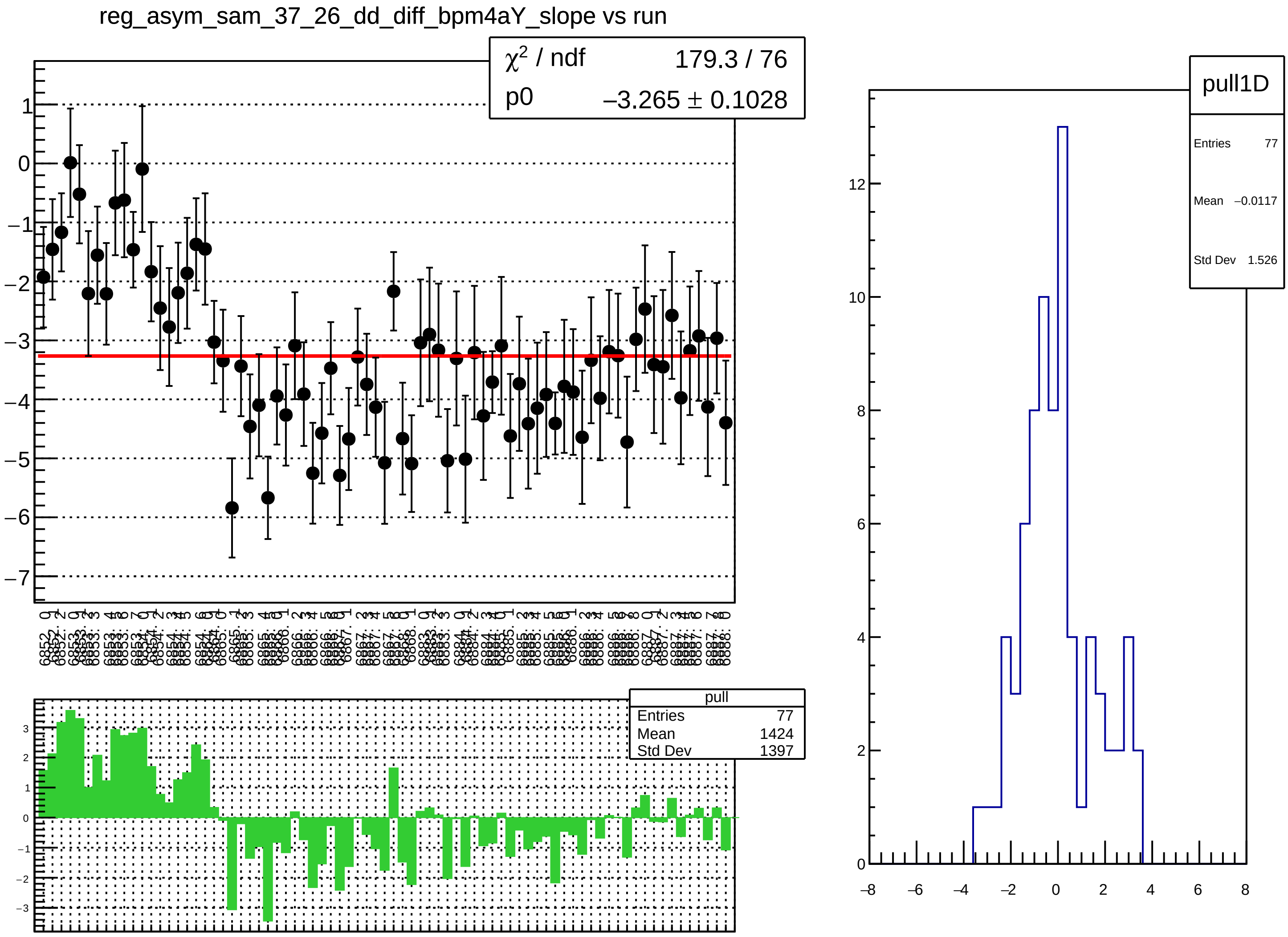

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 27.07 / 76
p0 45.71 ± 0.3949
pull
Entries 77
Mean −990.3
Std Dev 1014
pull1D
Entries 77
Mean −0.004604
Std Dev 0.5929



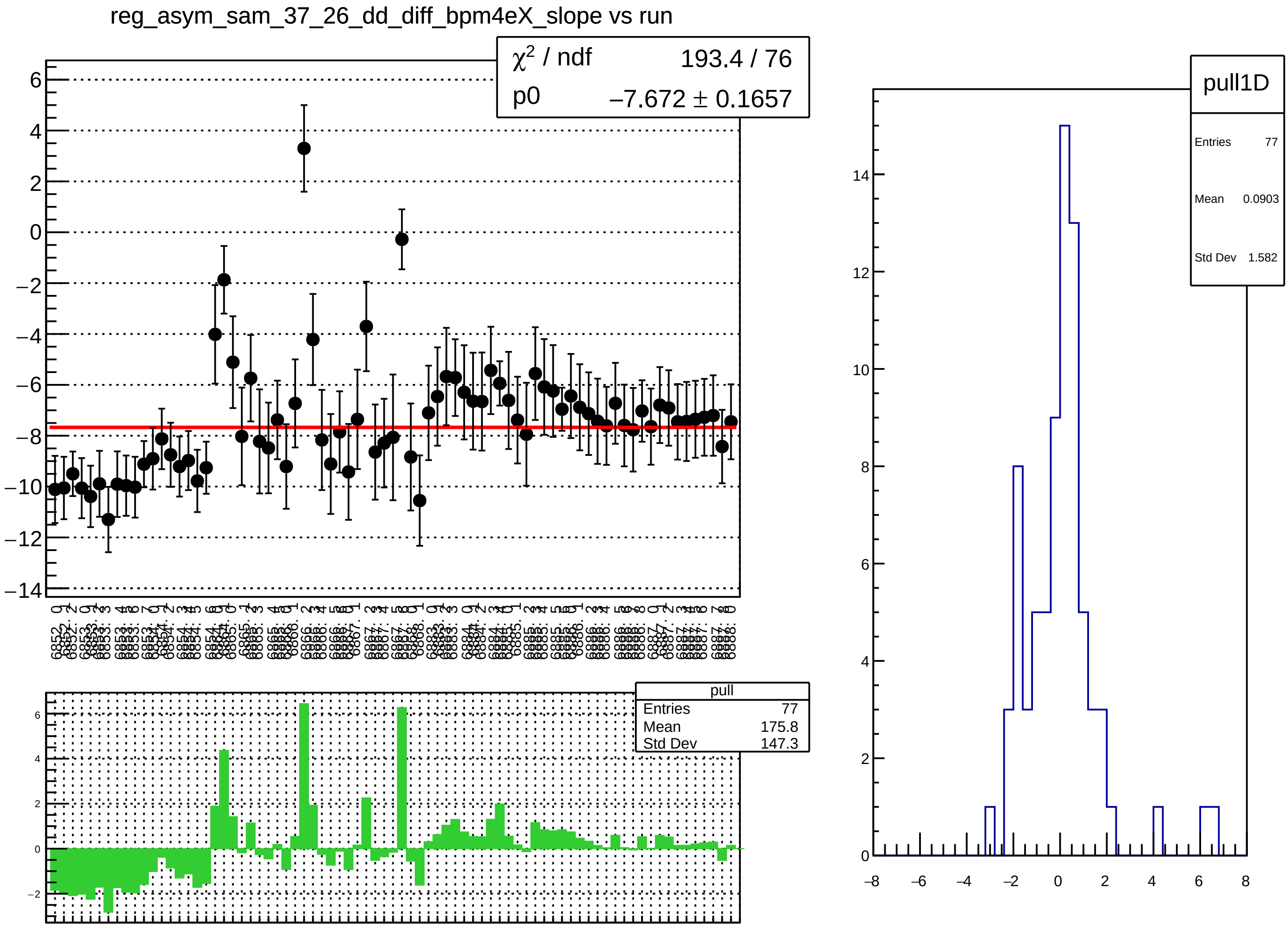
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 46.09 / 76
p0 −0.2777 ± 0.02142
pull
Entries 77
Mean −343.3
Std Dev 379.6
pull1D
Entries 77
Mean 0.04001
Std Dev 0.7726



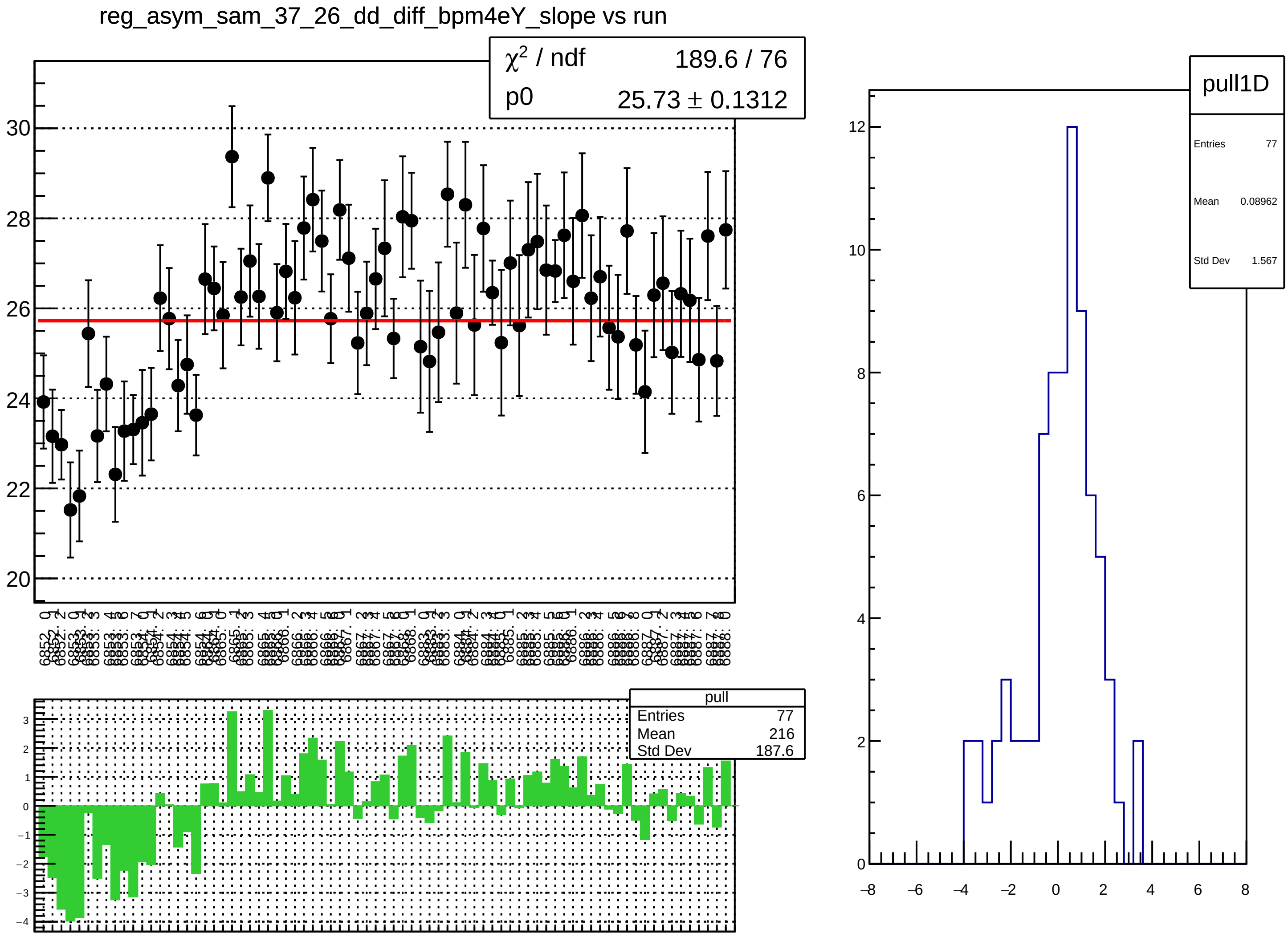
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 206.7 / 76
p0 3.674 ± 0.1738
pull
Entries 77
Mean 231.4
Std Dev 202.2
pull1D
Entries 77
Mean −0.06783
Std Dev 1.637



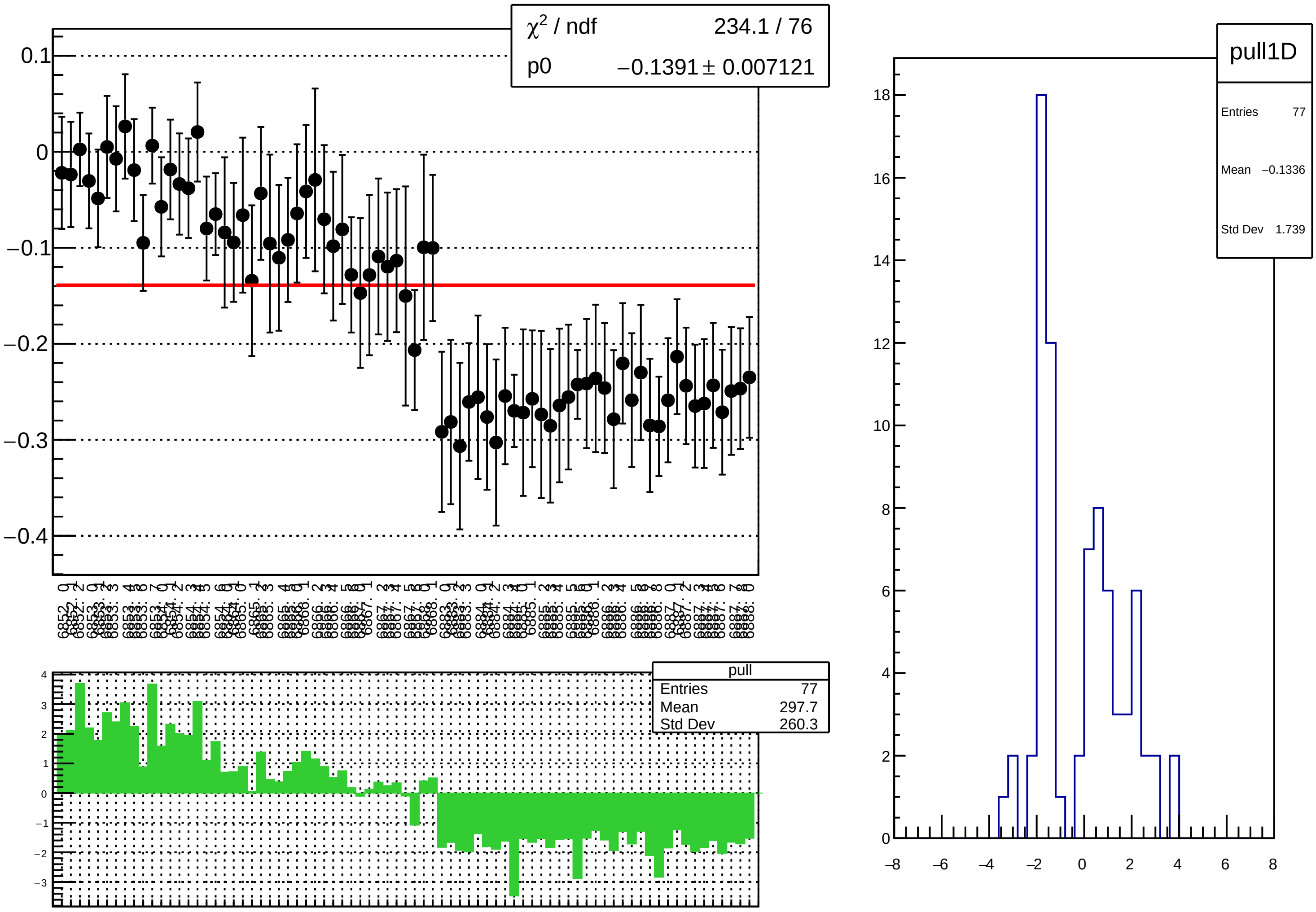
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 179.3 / 76
p0 −3.265 ± 0.1028
pull
Entries 77
Mean 1424
Std Dev 1397
pull1D
Entries 77
Mean −0.0117
Std Dev 1.526

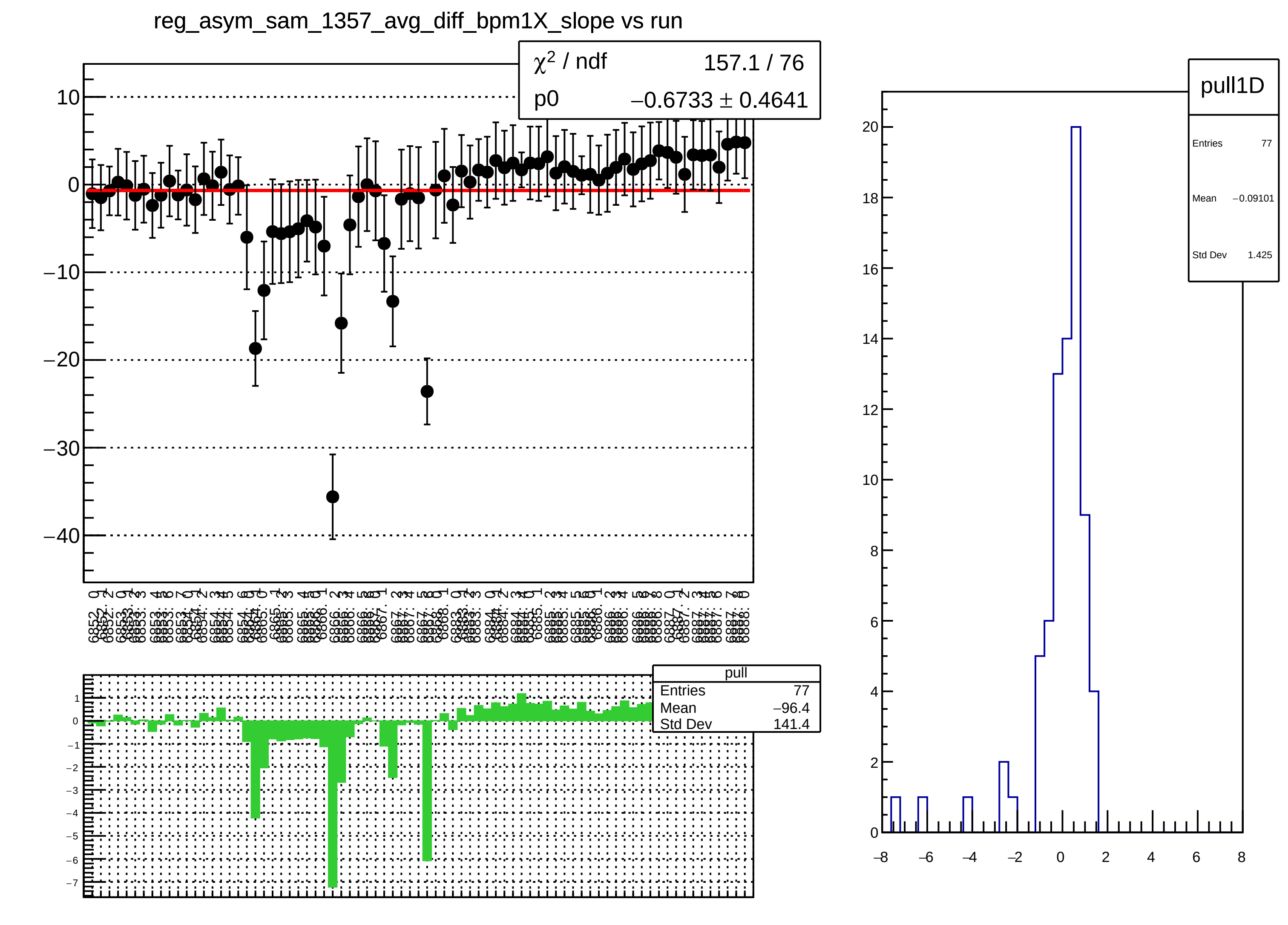


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 193.4 / 76
p0 −7.672 ± 0.1657
pull
Entries 77
Mean 175.8
Std Dev 147.3
pull1D
Entries 77
Mean 0.0903
Std Dev 1.582

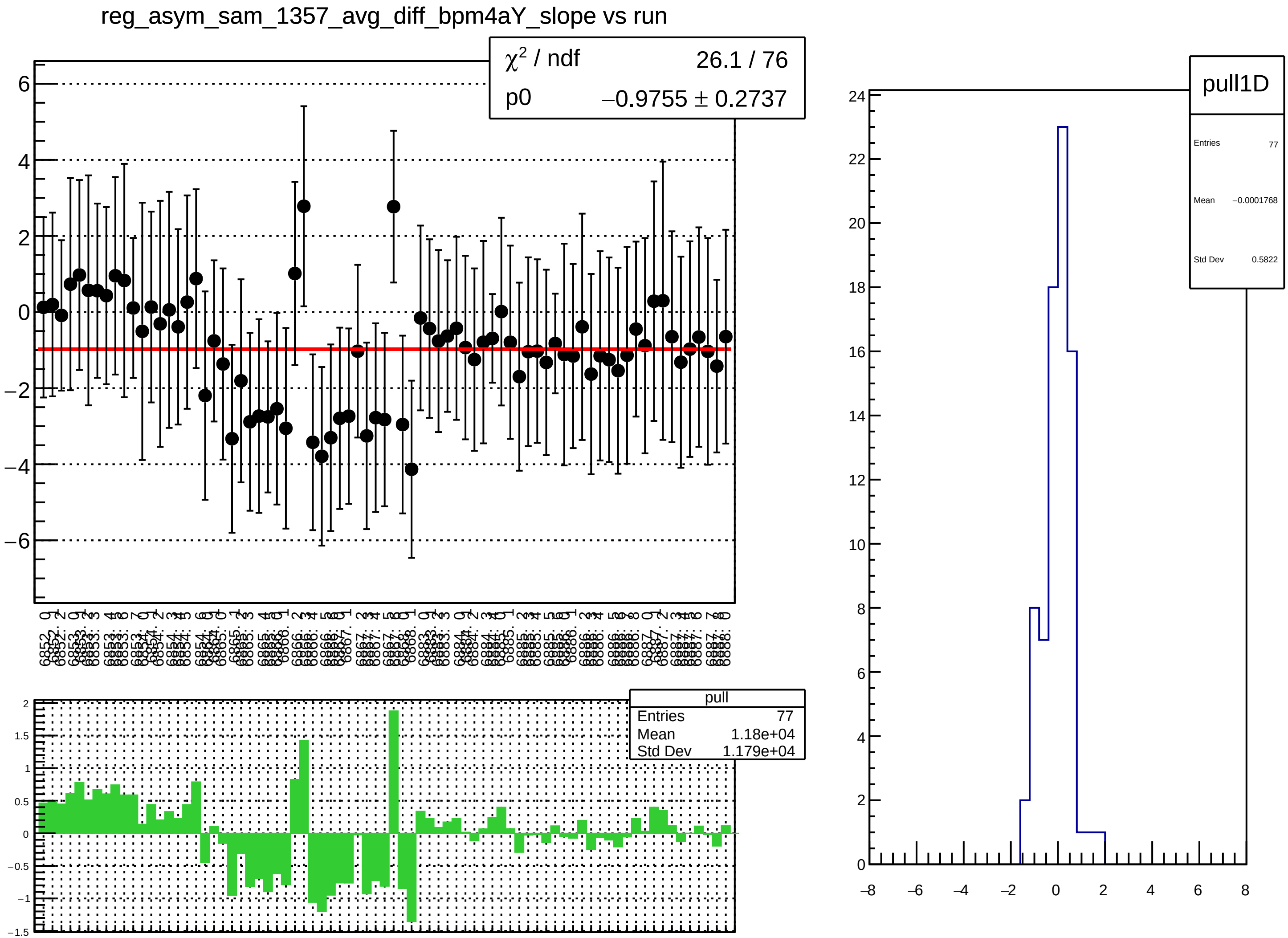

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 189.6 / 76
p0 25.73 ± 0.1312
pull
Entries 77
Mean 216
Std Dev 187.6
pull1D
Entries 77
Mean 0.08962
Std Dev 1.567

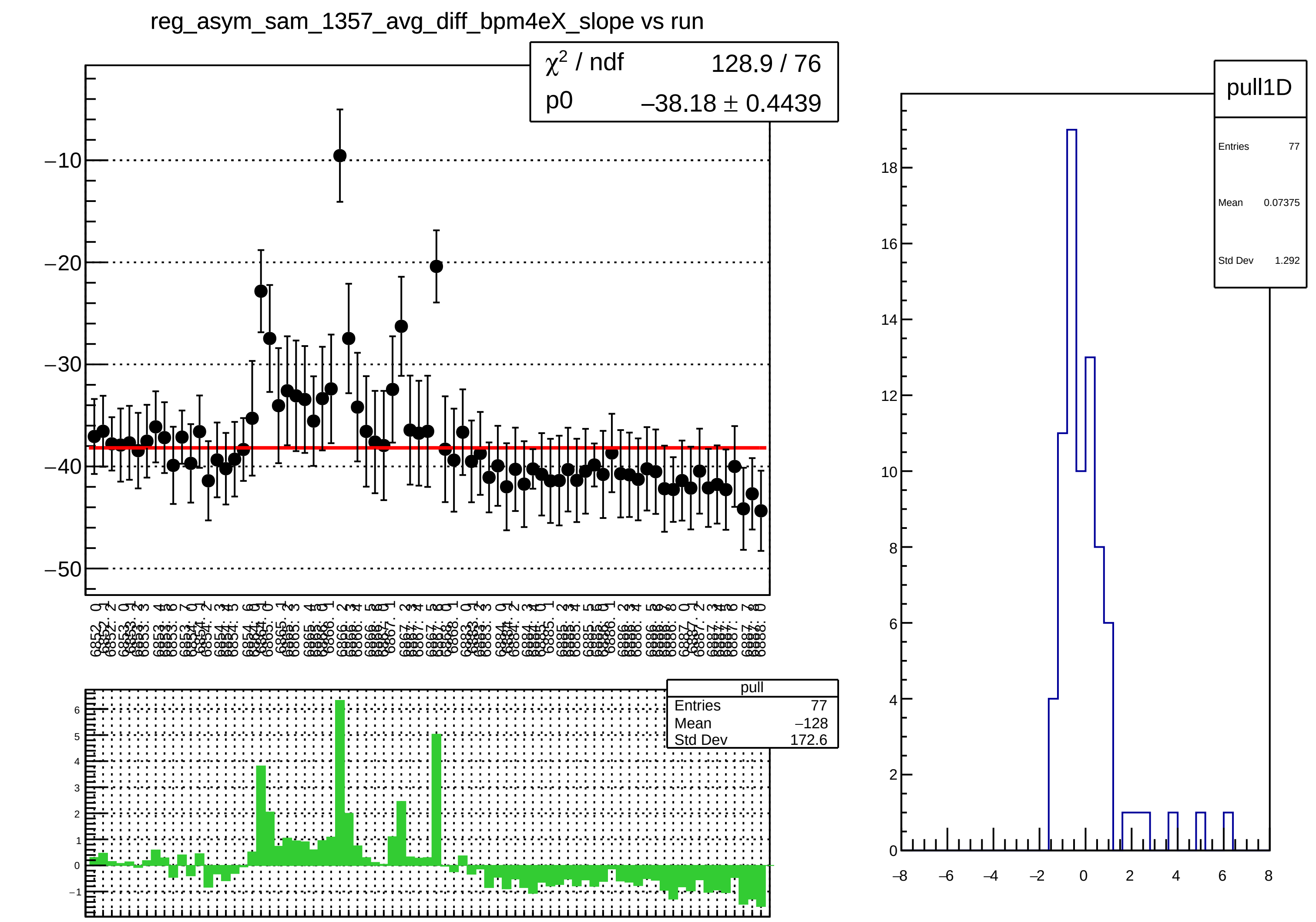
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run



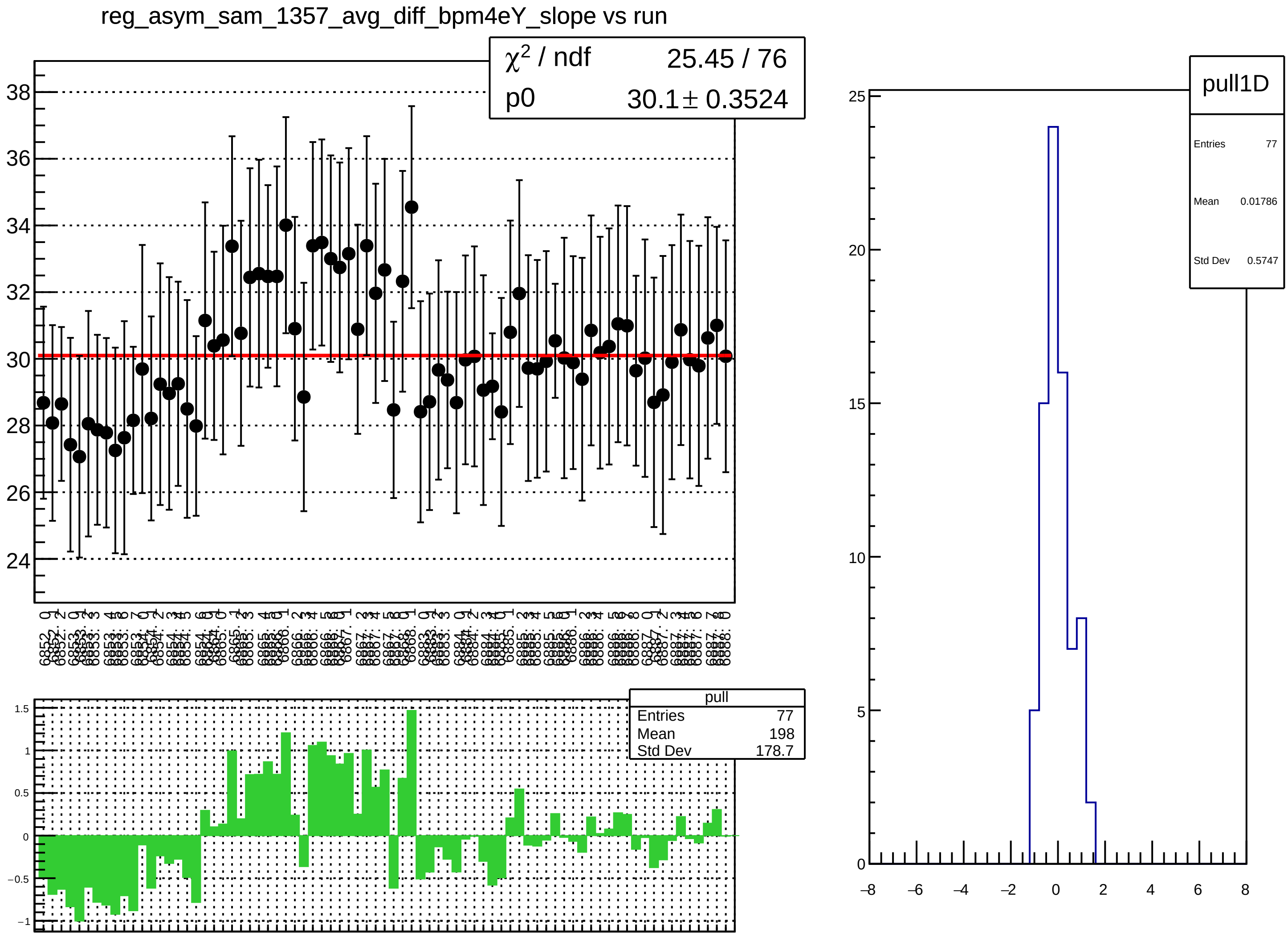


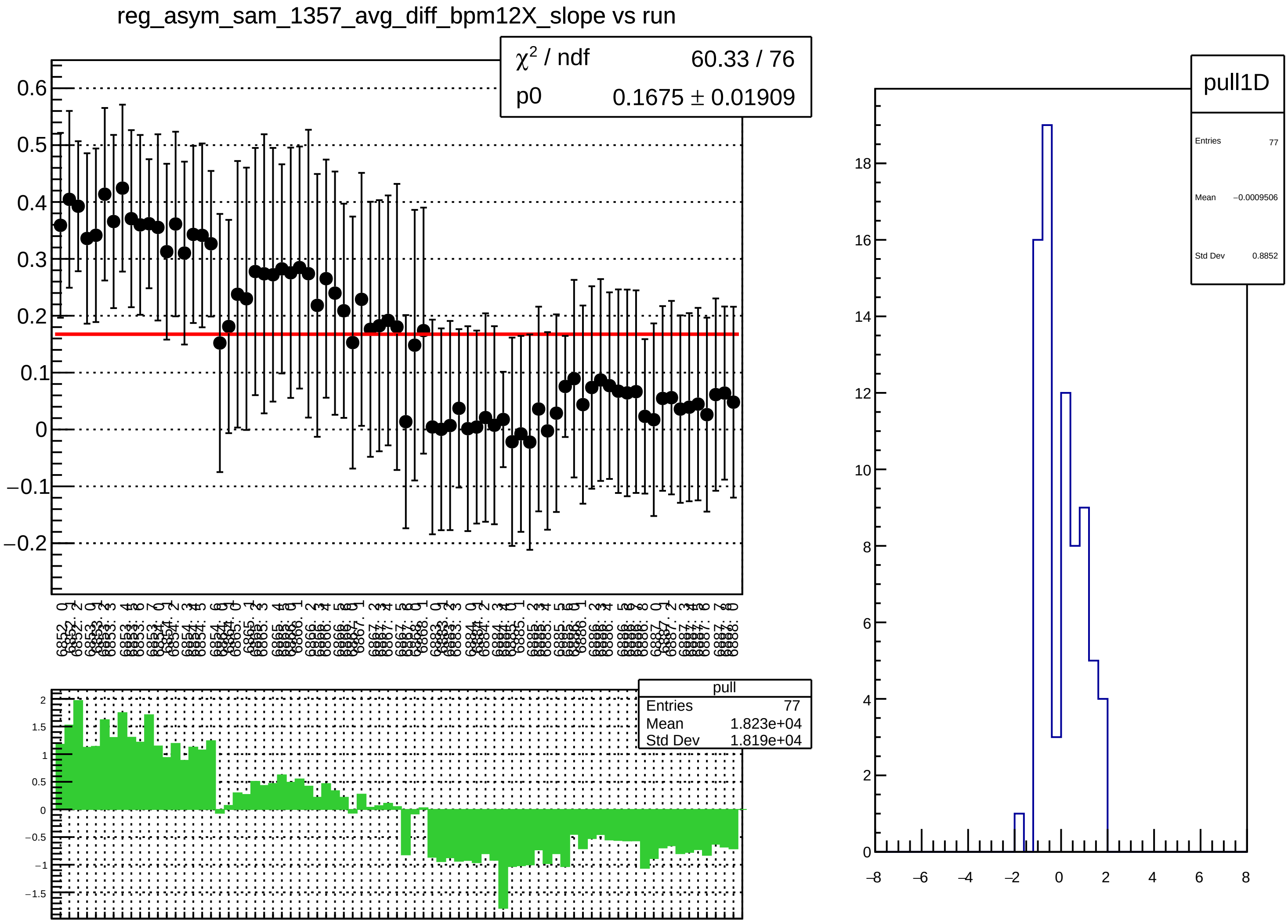
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 157.1 / 76
p0 −0.6733 ± 0.4641
pull
Entries 77
Mean −96.4
Std Dev 141.4
pull1D
Entries 77
Mean −0.09101
Std Dev 1.425


reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ2 / ndf 26.1 / 76
p0 −0.9755 ± 0.2737
pull
Entries 77
Mean 1.18e+04
Std Dev 1.179e+04
pull1D
Entries 77
Mean −0.0001768
Std Dev 0.5822

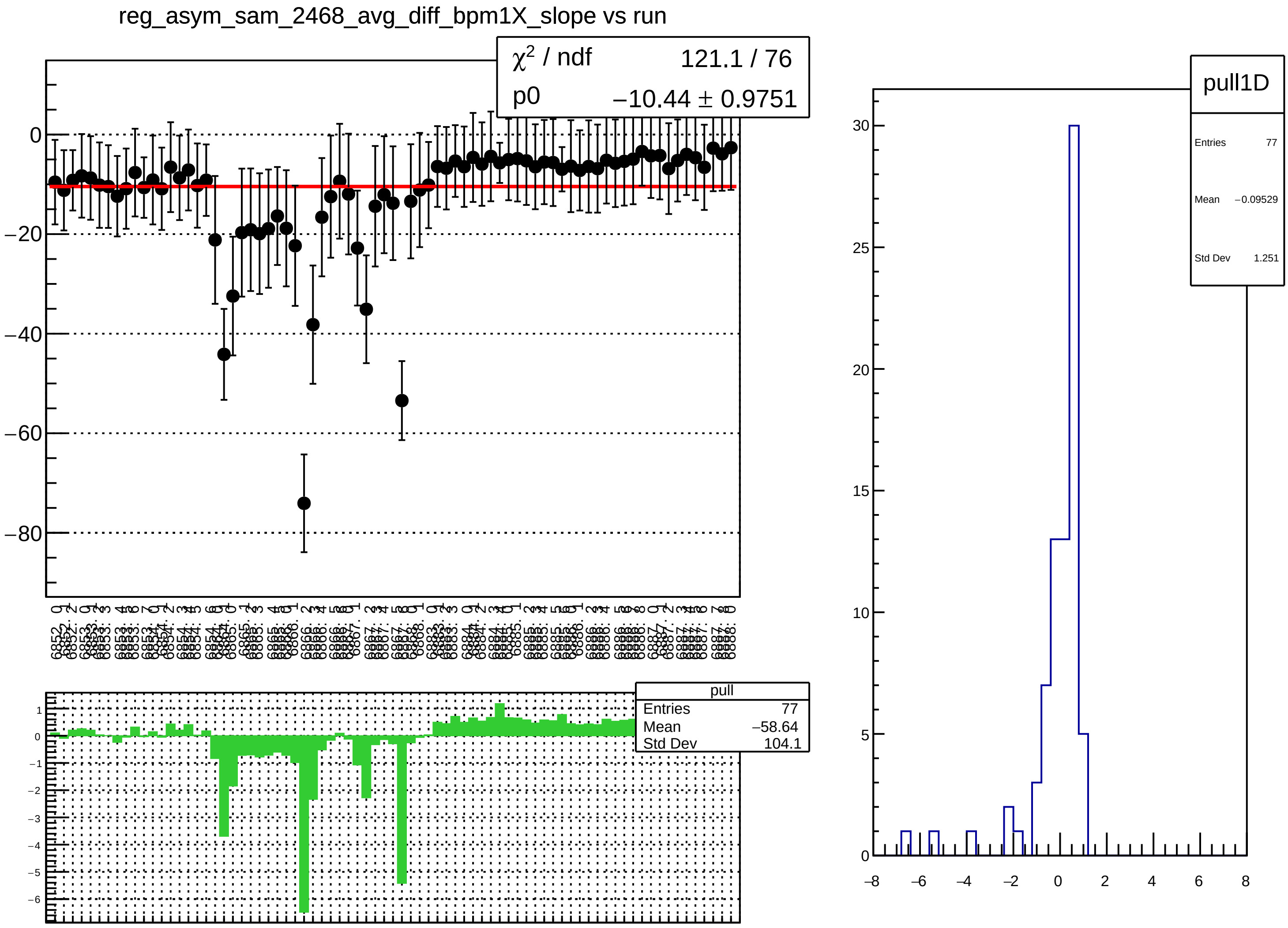


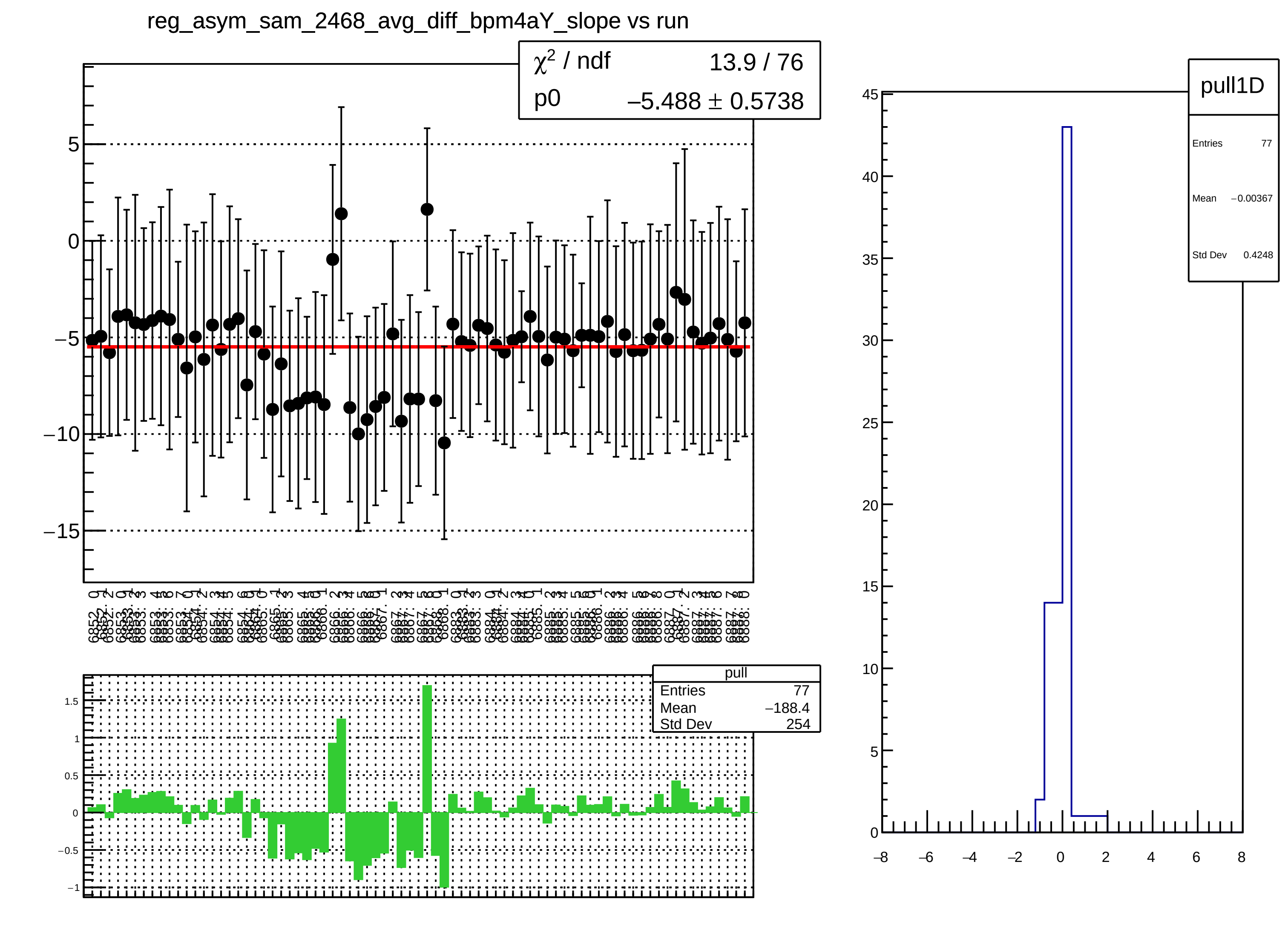
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 128.9 / 76
p0 −38.18 ± 0.4439
−10
−20
−30
−40
−50
pull
Entries 77
Mean −128
Std Dev 172.6
pull1D
Entries 77
Mean 0.07375
Std Dev 1.292


reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 25.45 / 76
p0 30.1 ± 0.3524
pull
Entries 77
Mean 198
Std Dev 178.7
pull1D
Entries 77
Mean 0.01786
Std Dev 0.5747

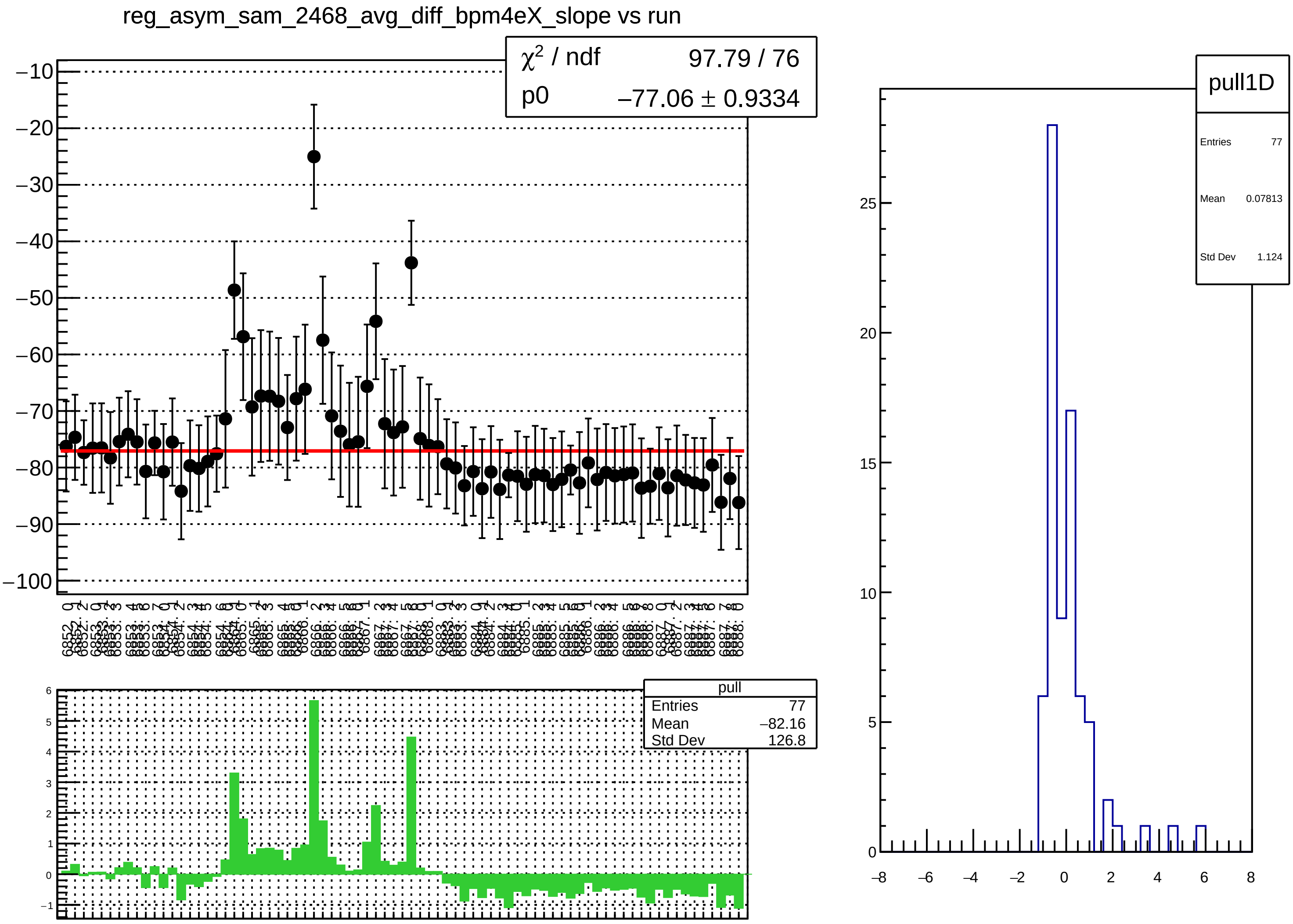


reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 60.33 / 76
p0 0.1675 ± 0.01909
pull
Entries 77
Mean 1.823e+04
Std Dev 1.819e+04
pull1D
Entries 77
Mean −0.0009506
Std Dev 0.8852

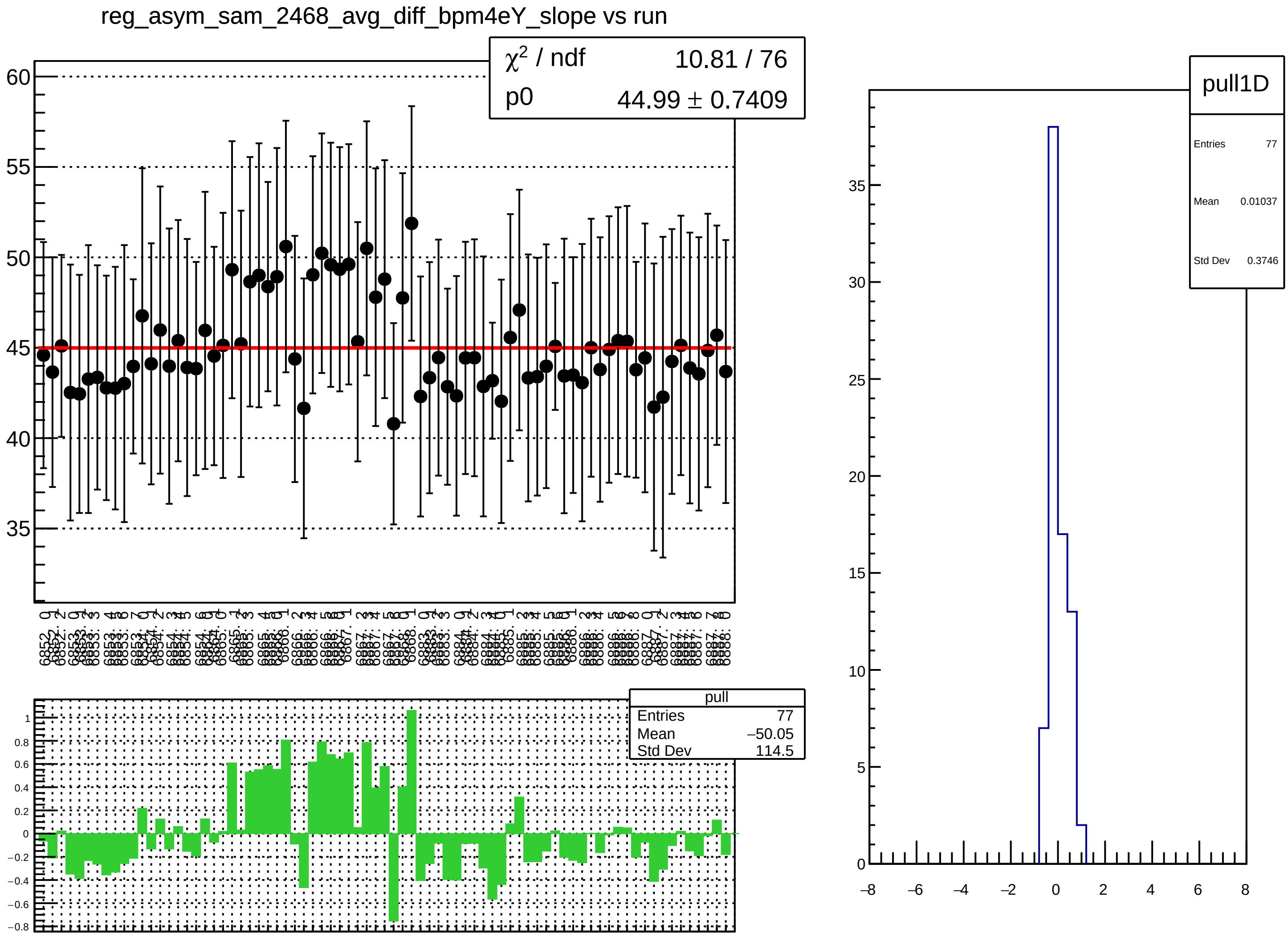

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 121.1 / 76
p0 −10.44 ± 0.9751
pull
Entries 77
Mean −58.64
Std Dev 104.1
pull1D
Entries 77
Mean −0.09529
Std Dev 1.251

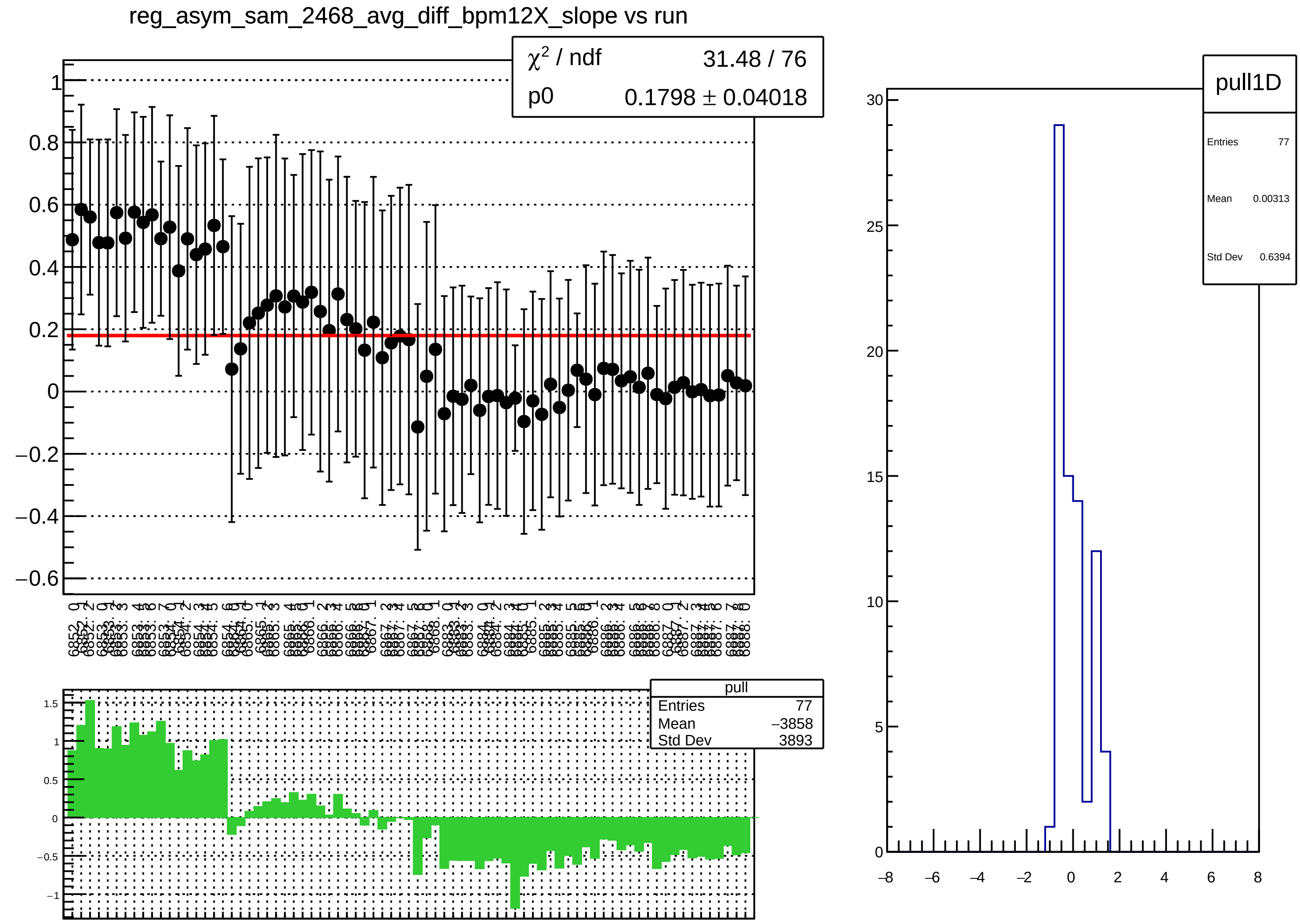


reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ2 / ndf 13.9 / 76
p0 −5.488 ± 0.5738
pull
Entries 77
Mean −188.4
Std Dev 254
pull1D
Entries 77
Mean −0.00367
Std Dev 0.4248

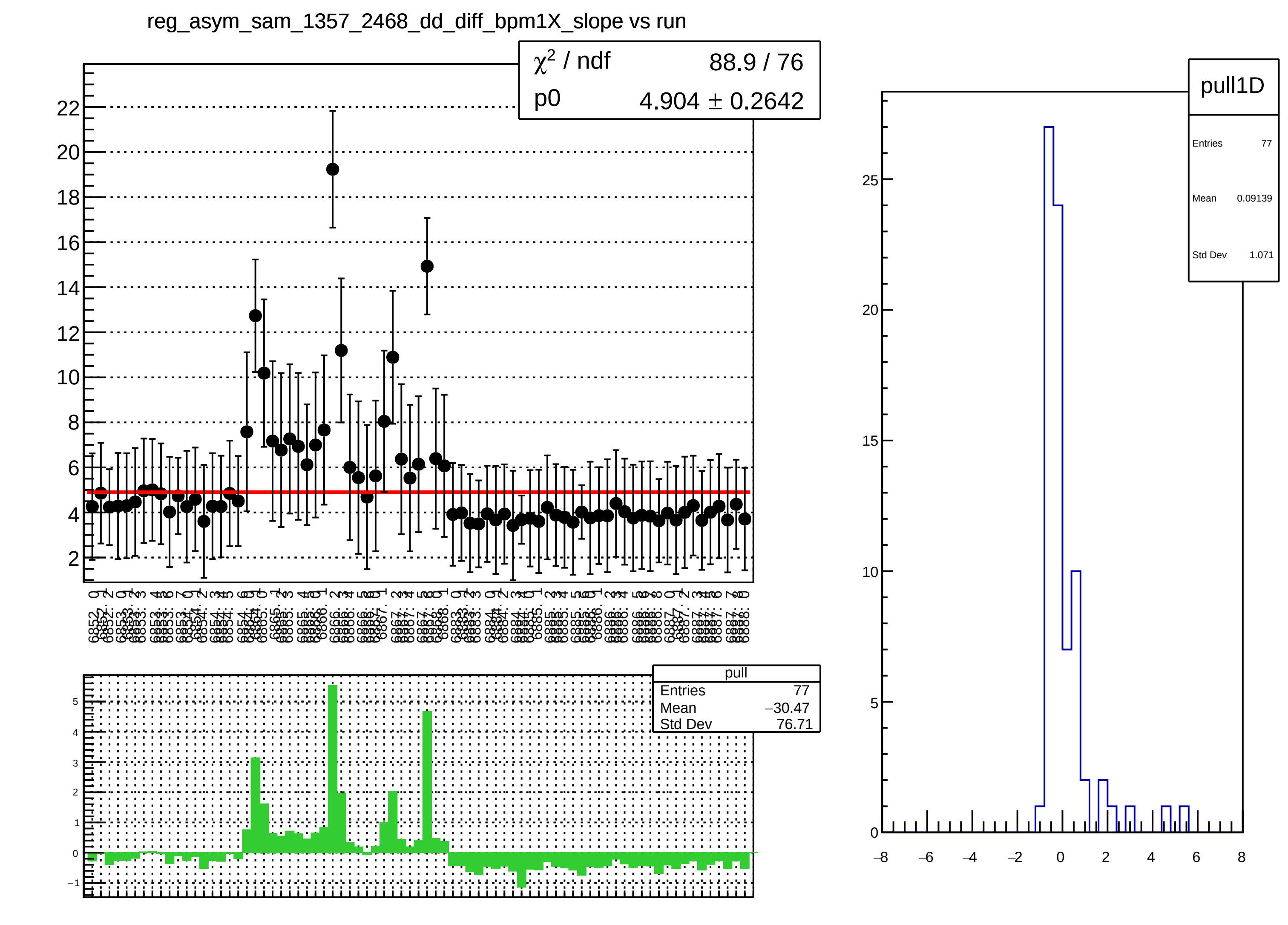


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 97.79 / 76
p0 −77.06 ± 0.9334
pull
Entries 77
Mean −82.16
Std Dev 126.8
pull1D
Entries 77
Mean 0.07813
Std Dev 1.124

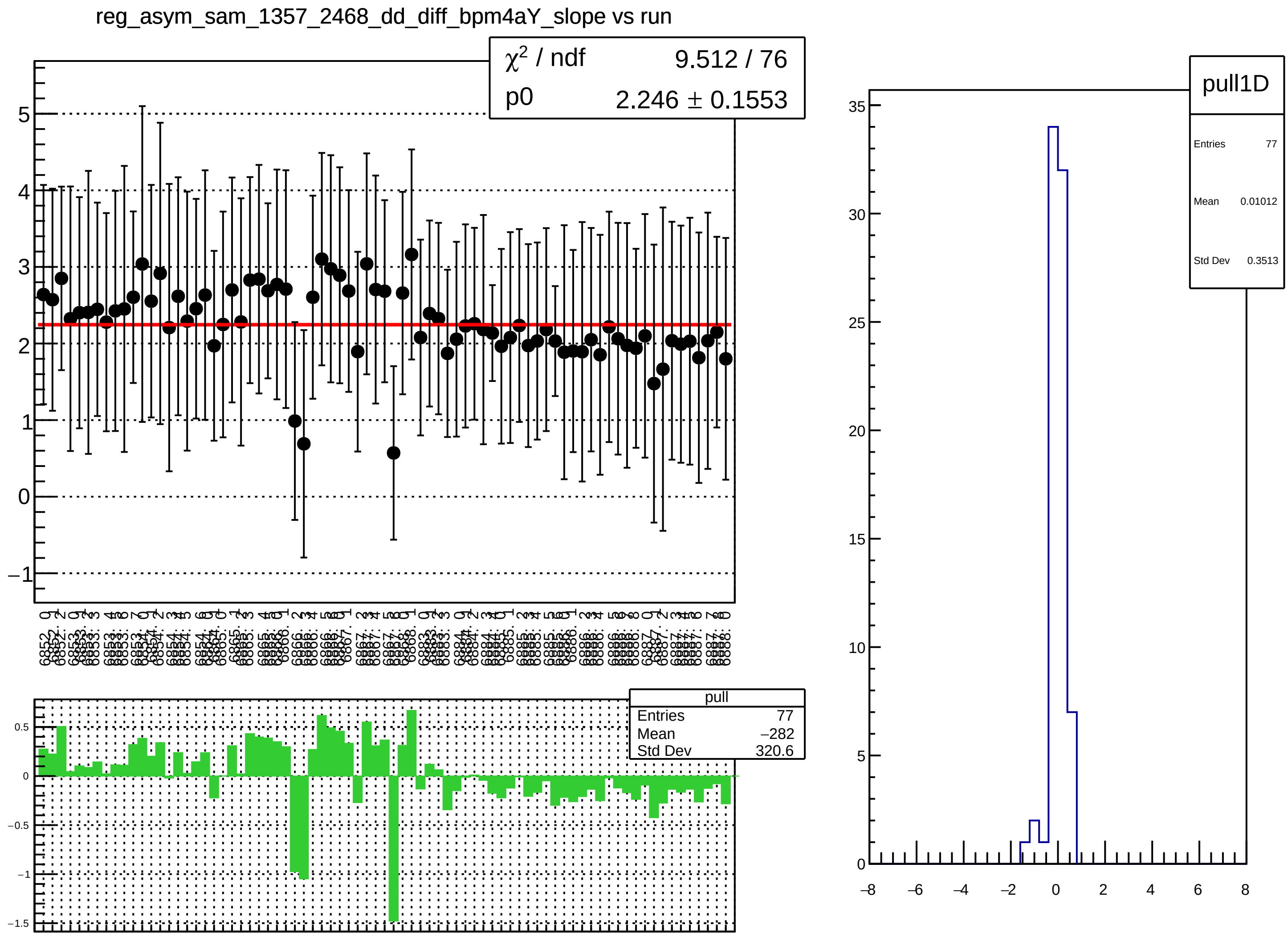

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ2 / ndf 10.81 / 76
p0 44.99 ± 0.7409
pull
Entries 77
Mean −50.05
Std Dev 114.5
pull1D
Entries 77
Mean 0.01037
Std Dev 0.3746



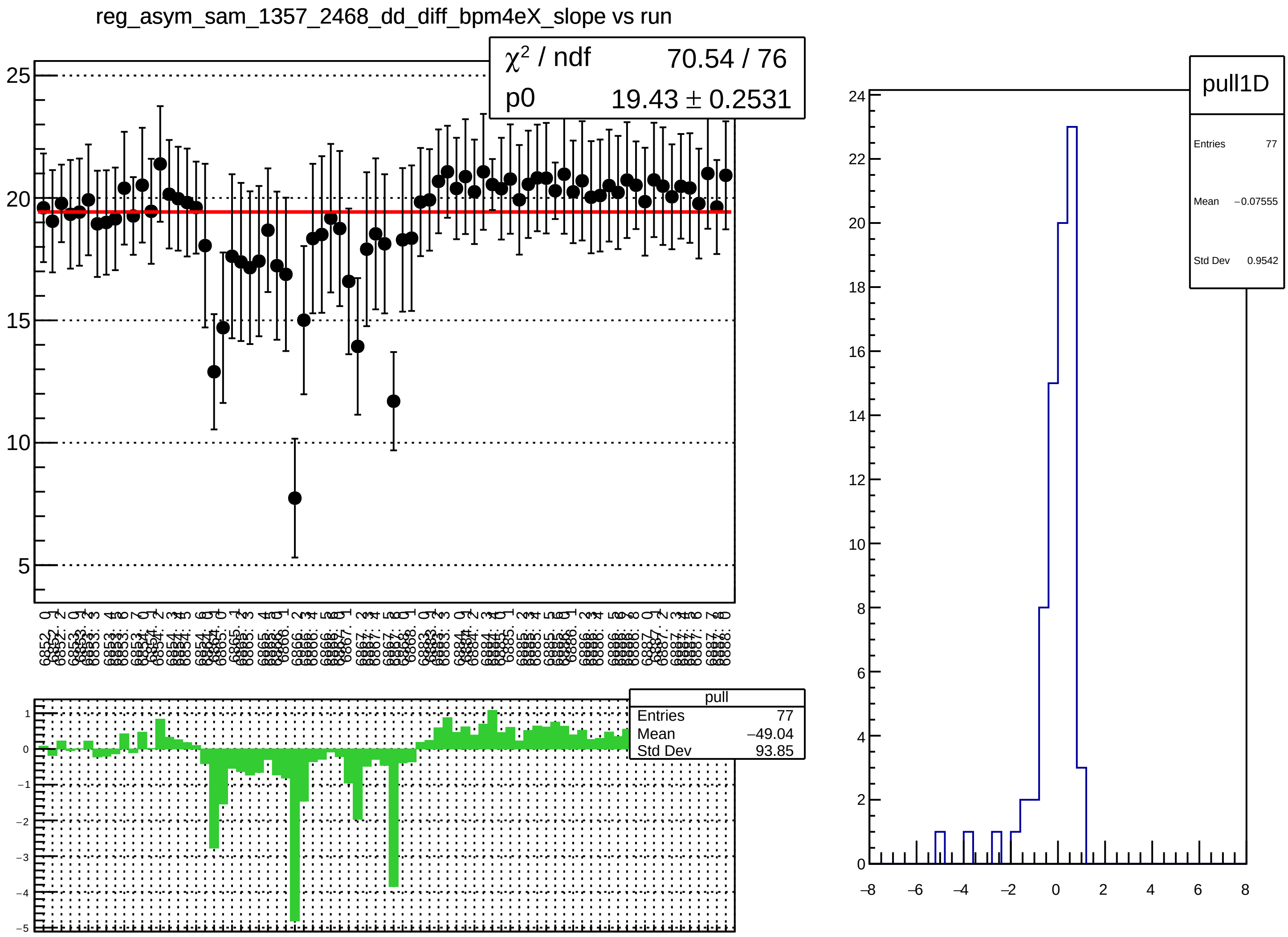
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 31.48 / 76
p0 0.1798 ± 0.04018
pull
Entries 77
Mean −3858
Std Dev 3893
pull1D
Entries 77
Mean 0.00313
Std Dev 0.6394



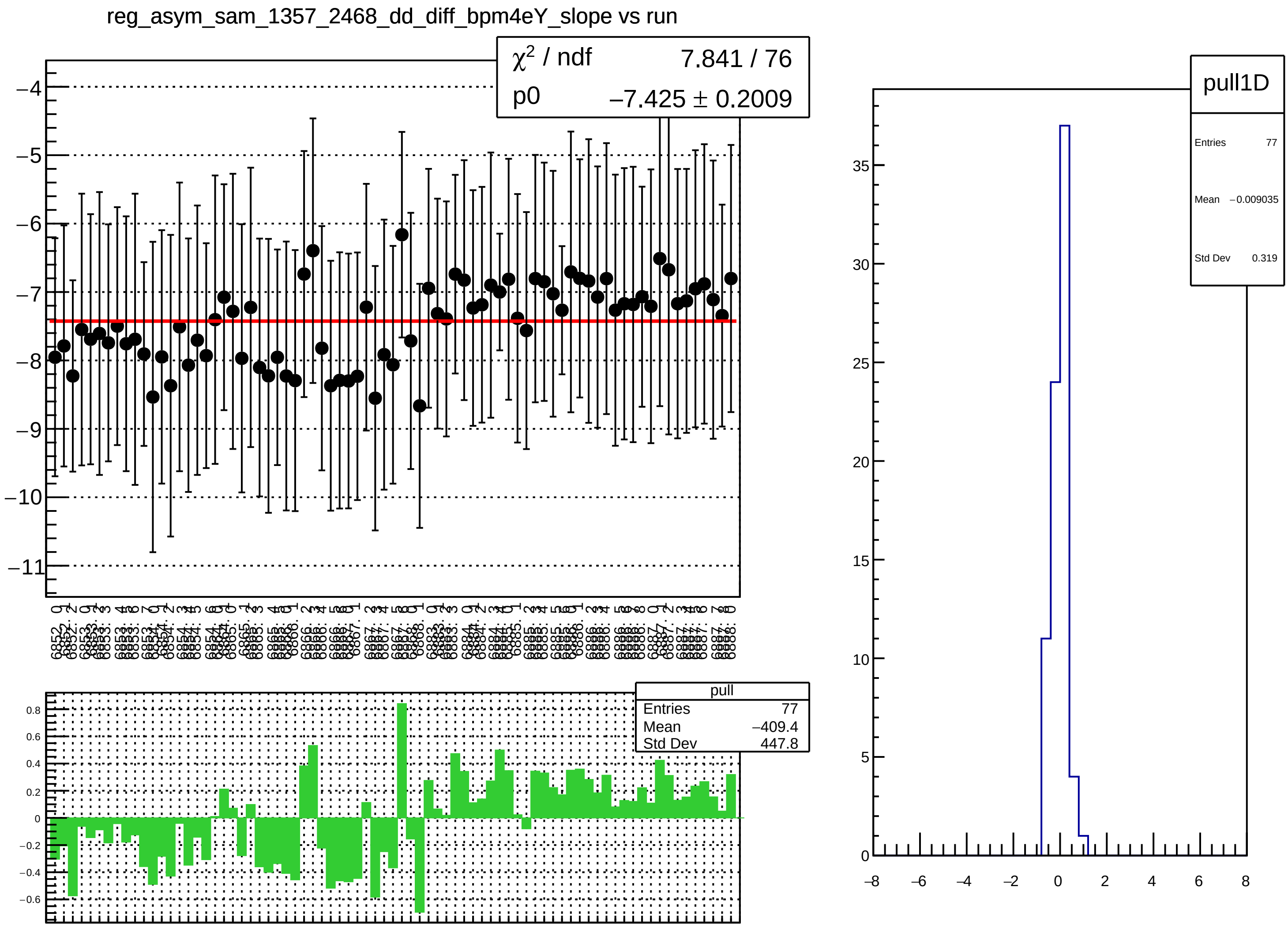
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 88.9 / 76
p0 4.904 ± 0.2642
pull
Entries 77
Mean −30.47
Std Dev 76.71
pull1D
Entries 77
Mean 0.09139
Std Dev 1.071

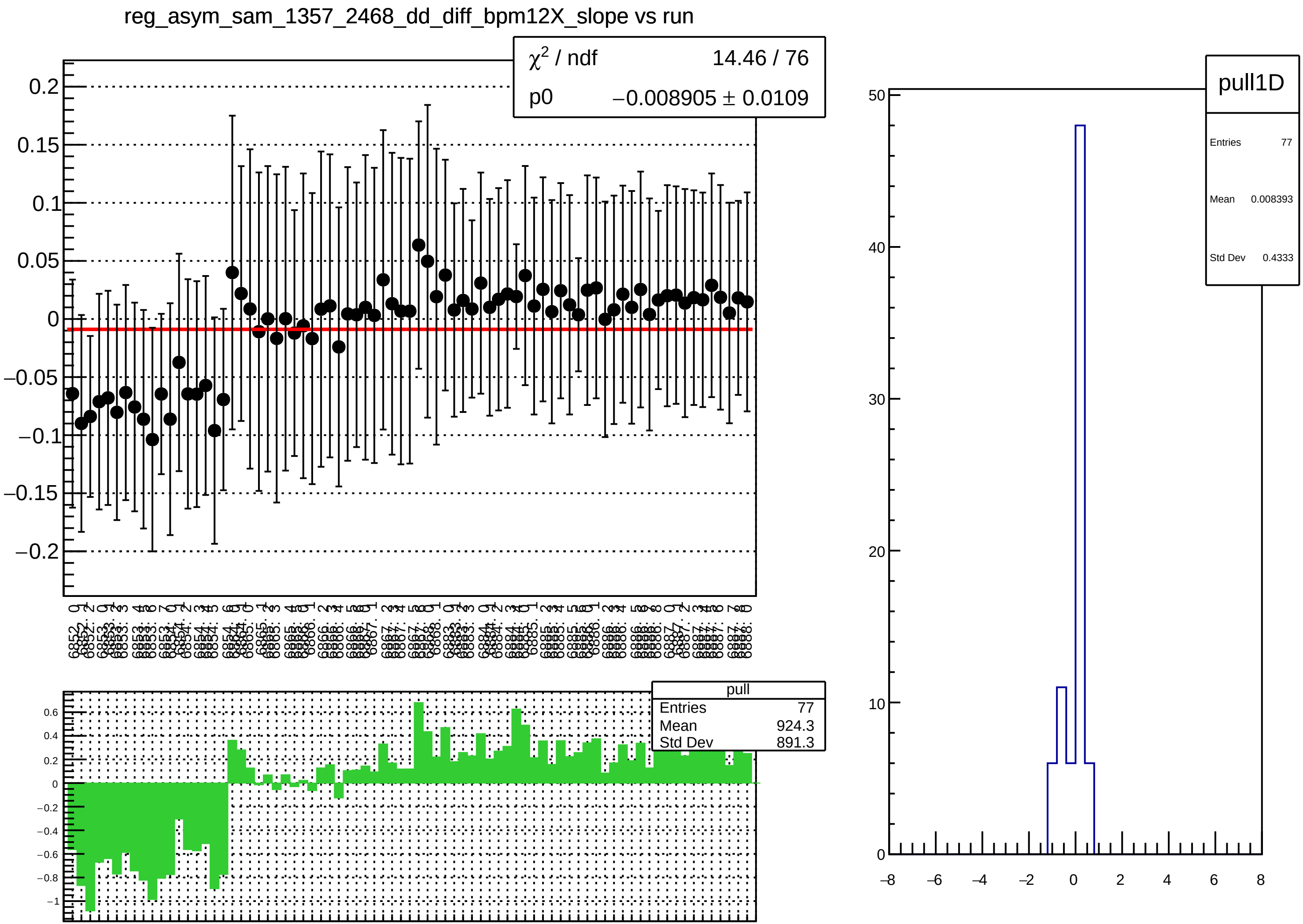


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 9.512 / 76
p0 2.246 ± 0.1553
pull
Entries 77
Mean −282
Std Dev 320.6
pull1D
Entries 77
Mean 0.01012
Std Dev 0.3513



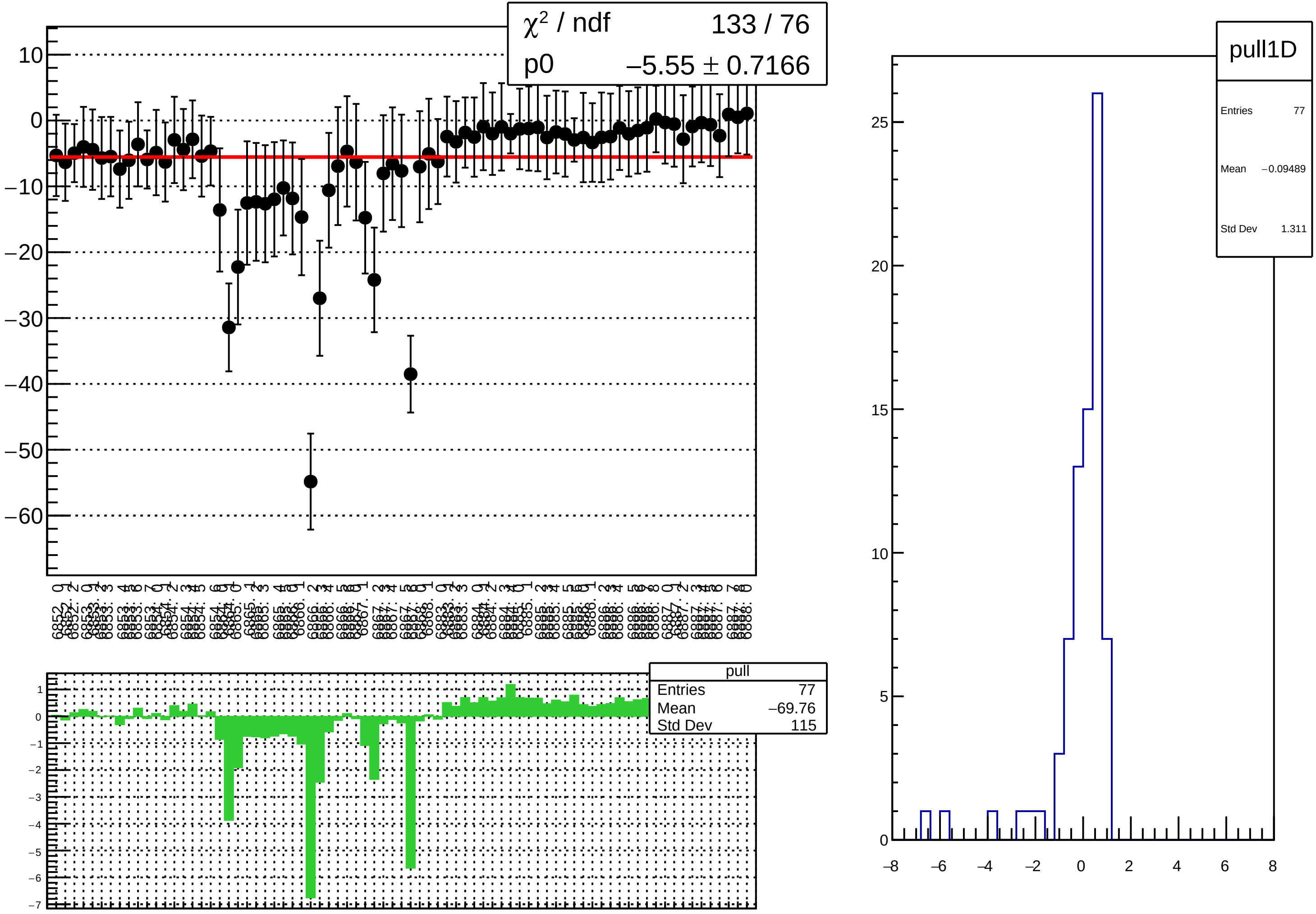
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 70.54 / 76
p0 19.43 ± 0.2531
pull
Entries 77
Mean −49.04
Std Dev 93.85
pull1D
Entries 77
Mean −0.07555
Std Dev 0.9542

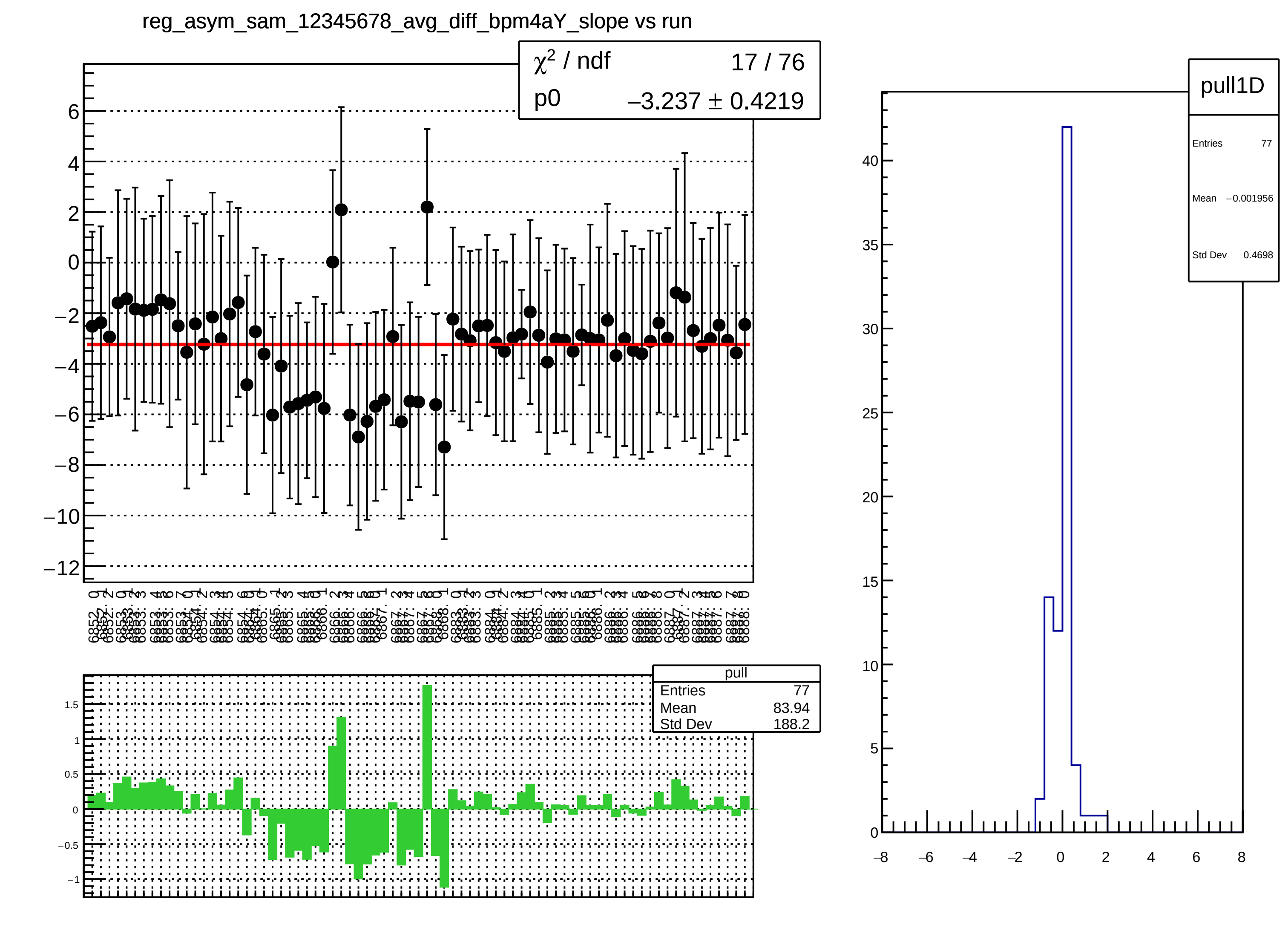

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 7.841 / 76
p0 −7.425 ± 0.2009
pull
Entries 77
Mean −409.4
Std Dev 447.8
pull1D
Entries 77
Mean −0.009035
Std Dev 0.319



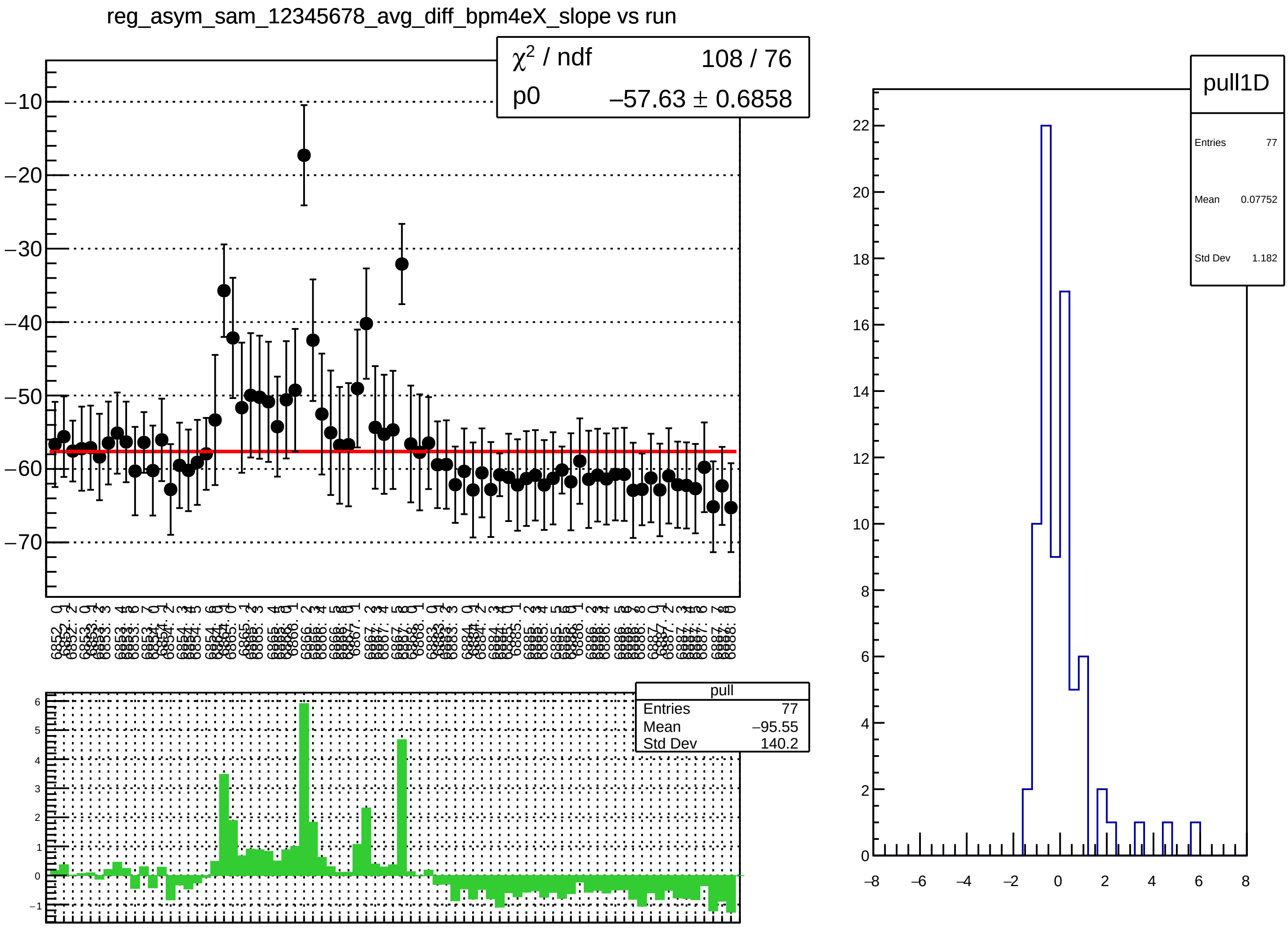
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 14.46 / 76
p0 −0.008905 ± 0.0109
pull
Entries 77
Mean 924.3
Std Dev 891.3
pull1D
Entries 77
Mean 0.008393
Std Dev 0.4333

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

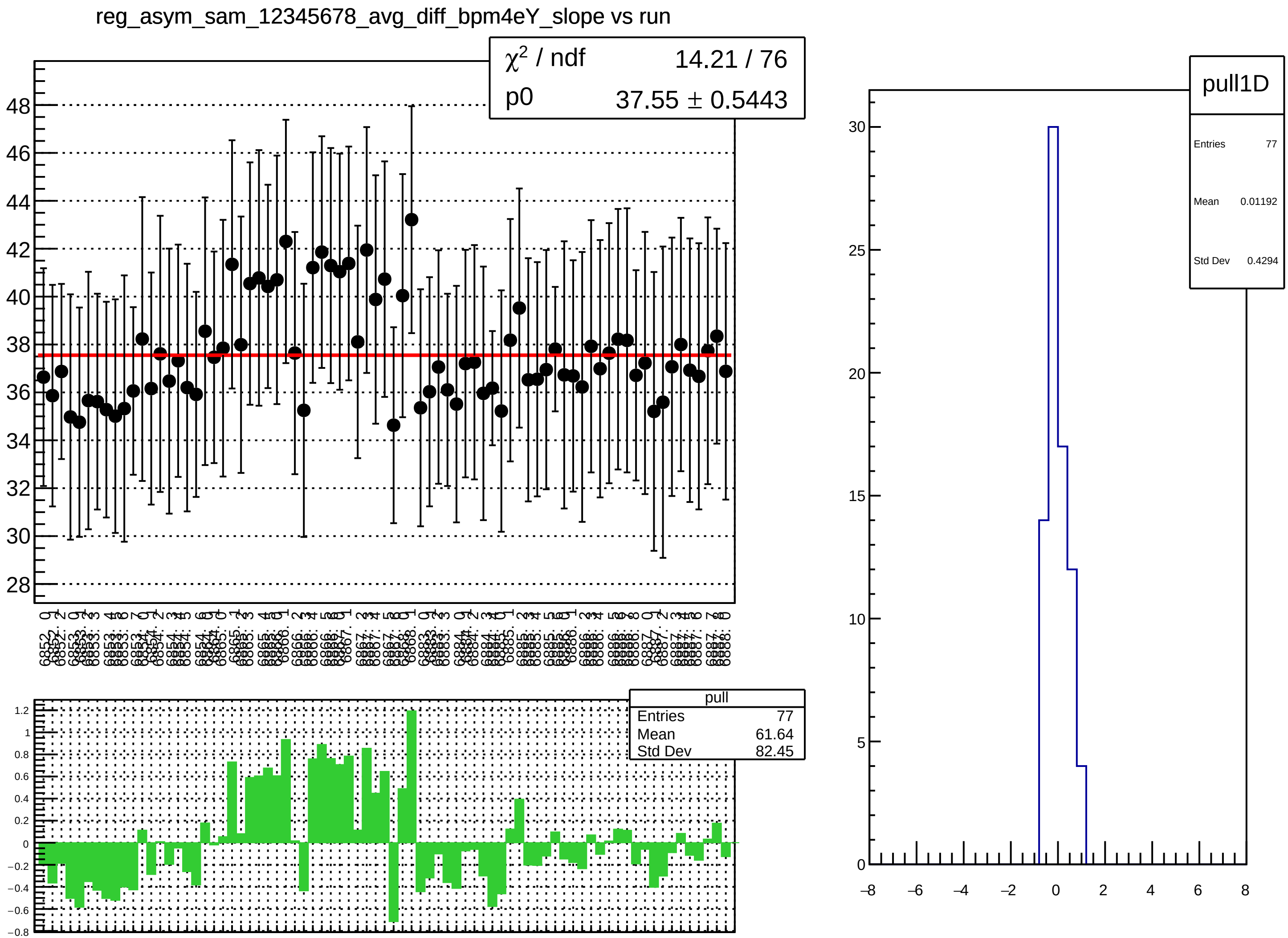


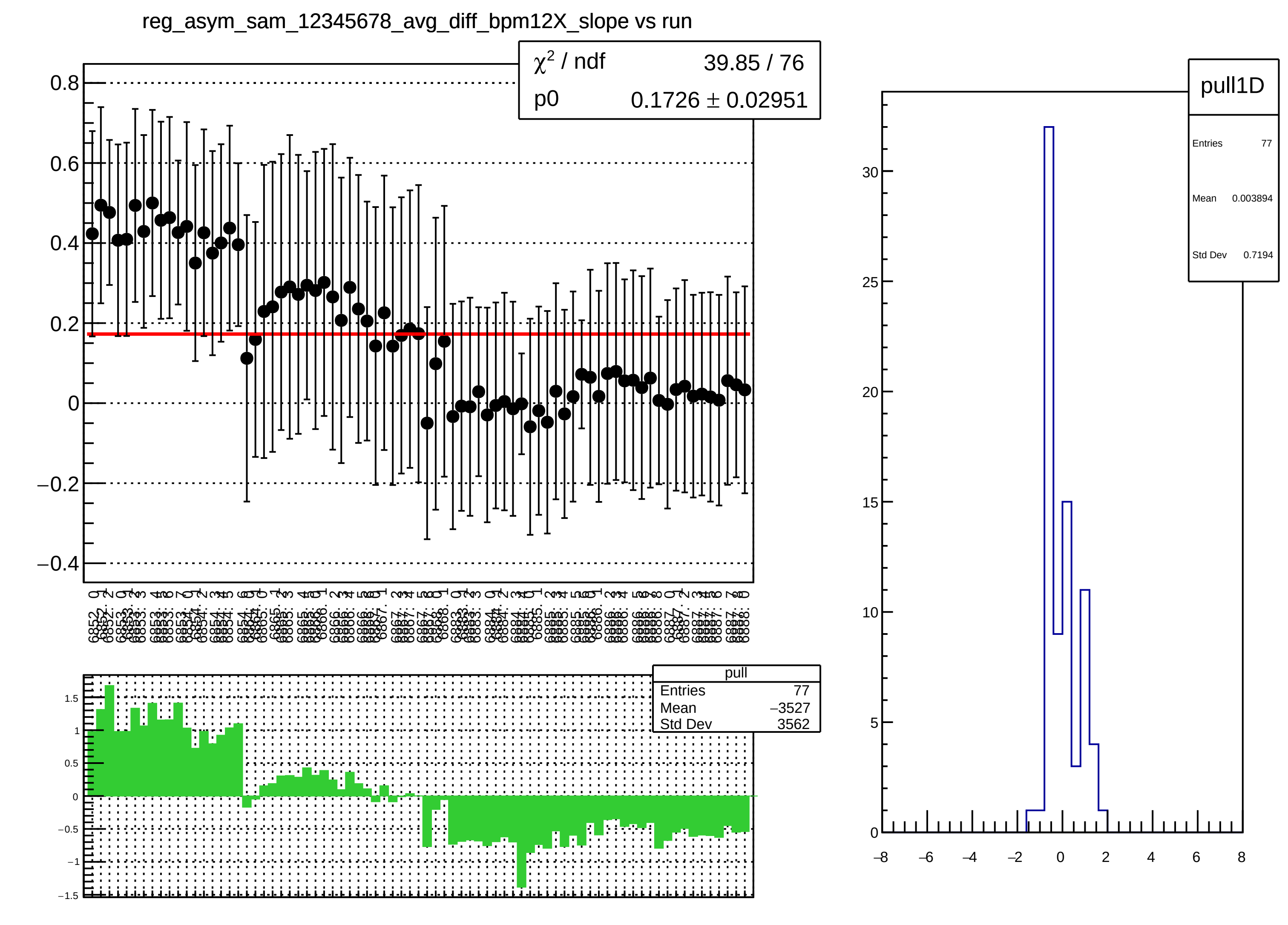


reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 17 / 76
p0 −3.237 ± 0.4219
pull
Entries 77
Mean 83.94
Std Dev 188.2
pull1D
Entries 77
Mean −0.001956
Std Dev 0.4698

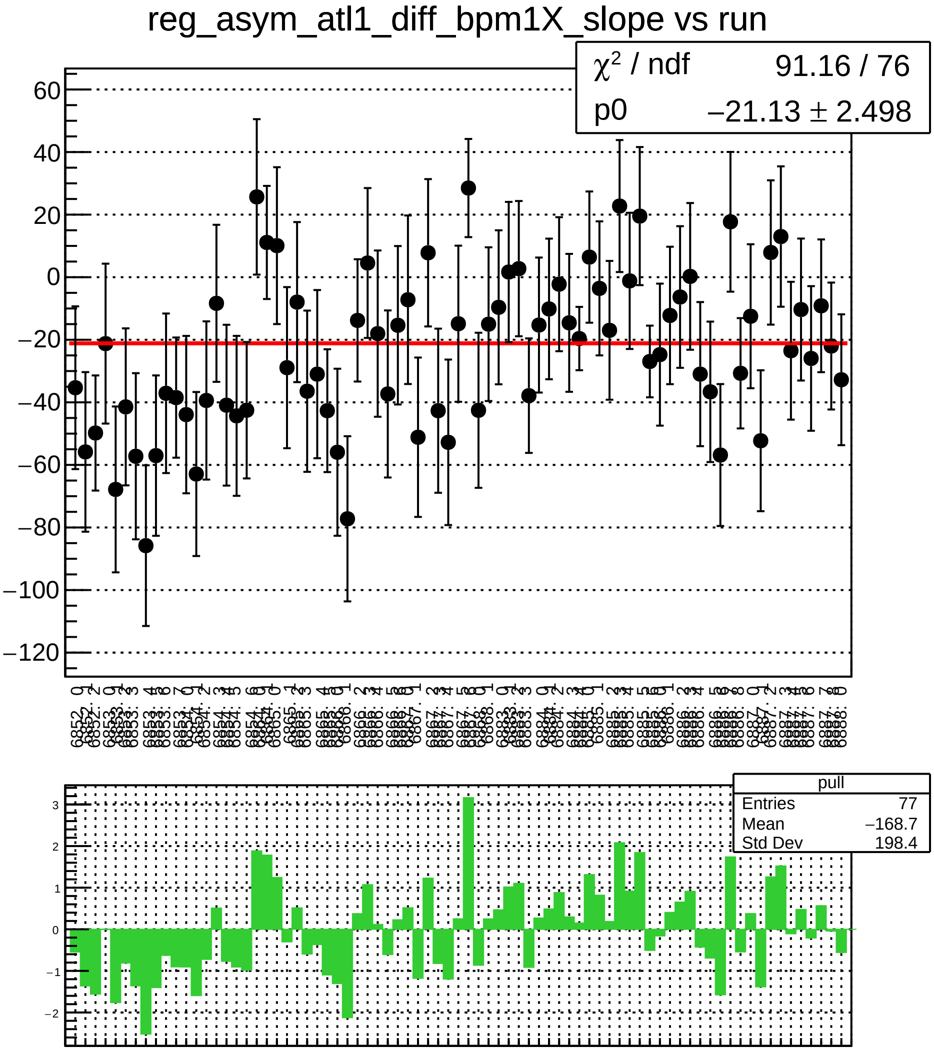


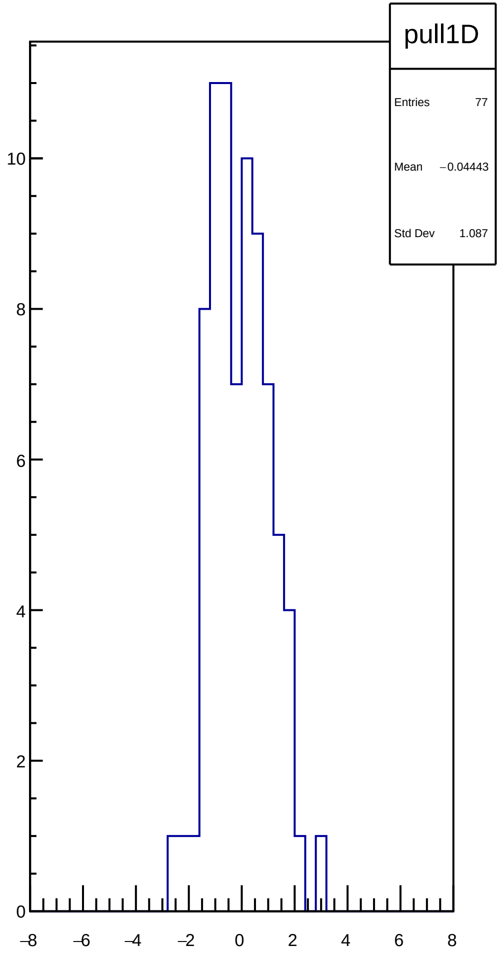
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 108 / 76
p0 −57.63 ± 0.6858
pull
Entries 77
Mean −95.55
Std Dev 140.2
pull1D
Entries 77
Mean 0.07752
Std Dev 1.182

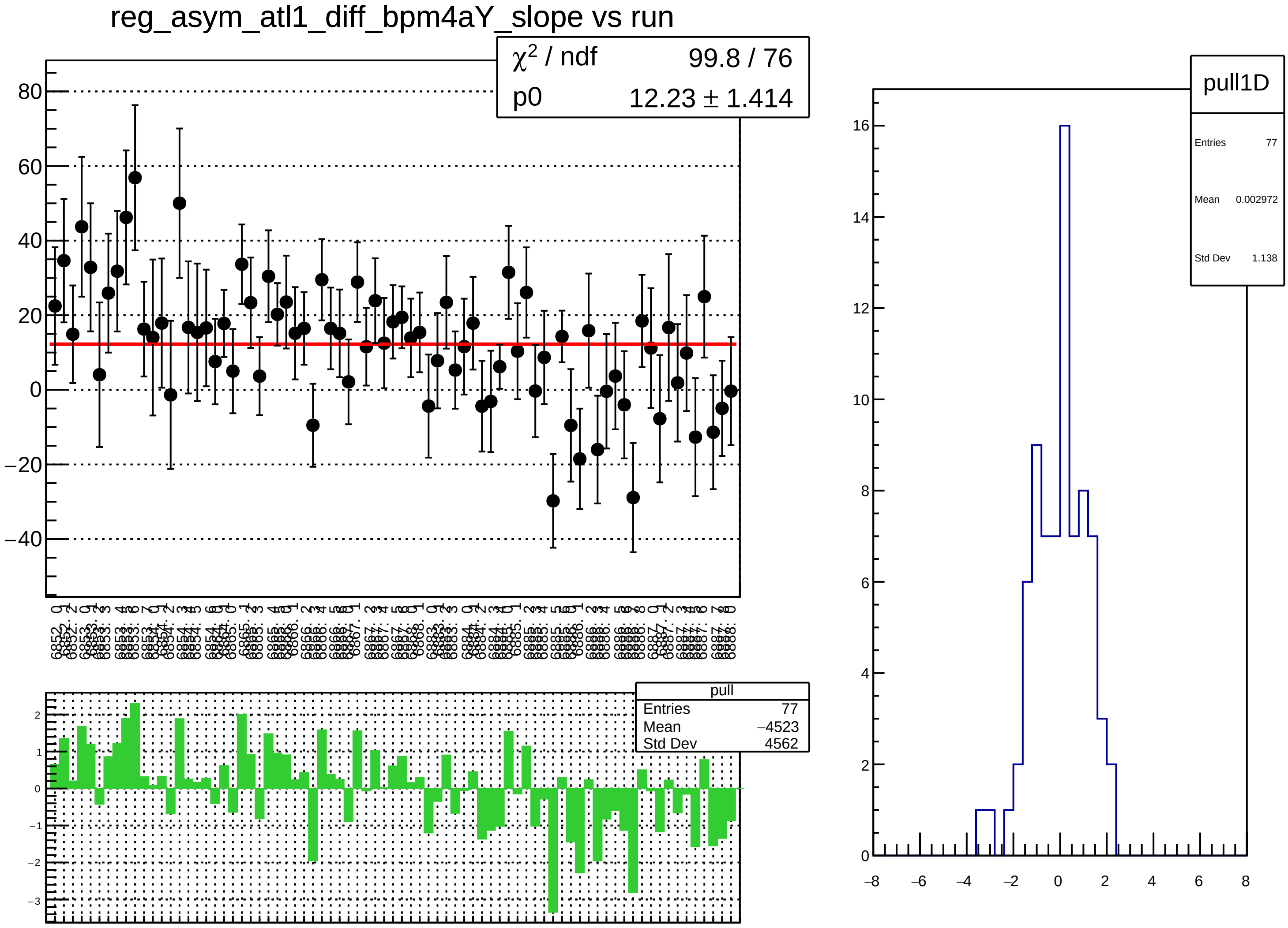

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ2 / ndf 14.21 / 76
p0 37.55 ± 0.5443
pull
Entries 77
Mean 61.64
Std Dev 82.45
pull1D
Entries 77
Mean 0.01192
Std Dev 0.4294



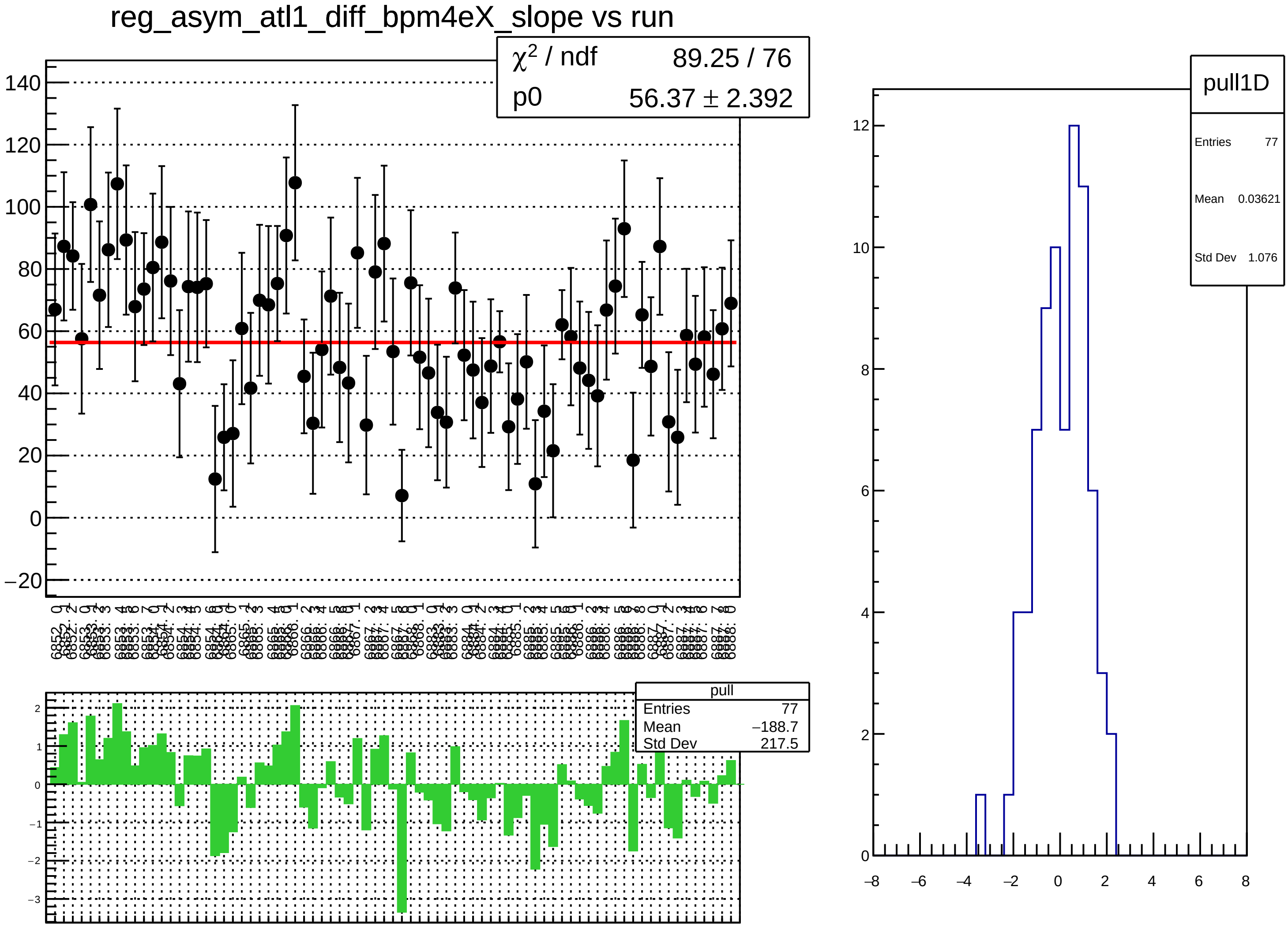
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 39.85 / 76
p0 0.1726 ± 0.02951
pull
Entries 77
Mean −3527
Std Dev 3562
pull1D
Entries 77
Mean 0.003894
Std Dev 0.7194


reg_asym_atl1_diff_bpm1X_slope vs run
χ2 / ndf 91.16 / 76
p0 −21.13 ± 2.498
pull
Entries 77
Mean −168.7
Std Dev 198.4

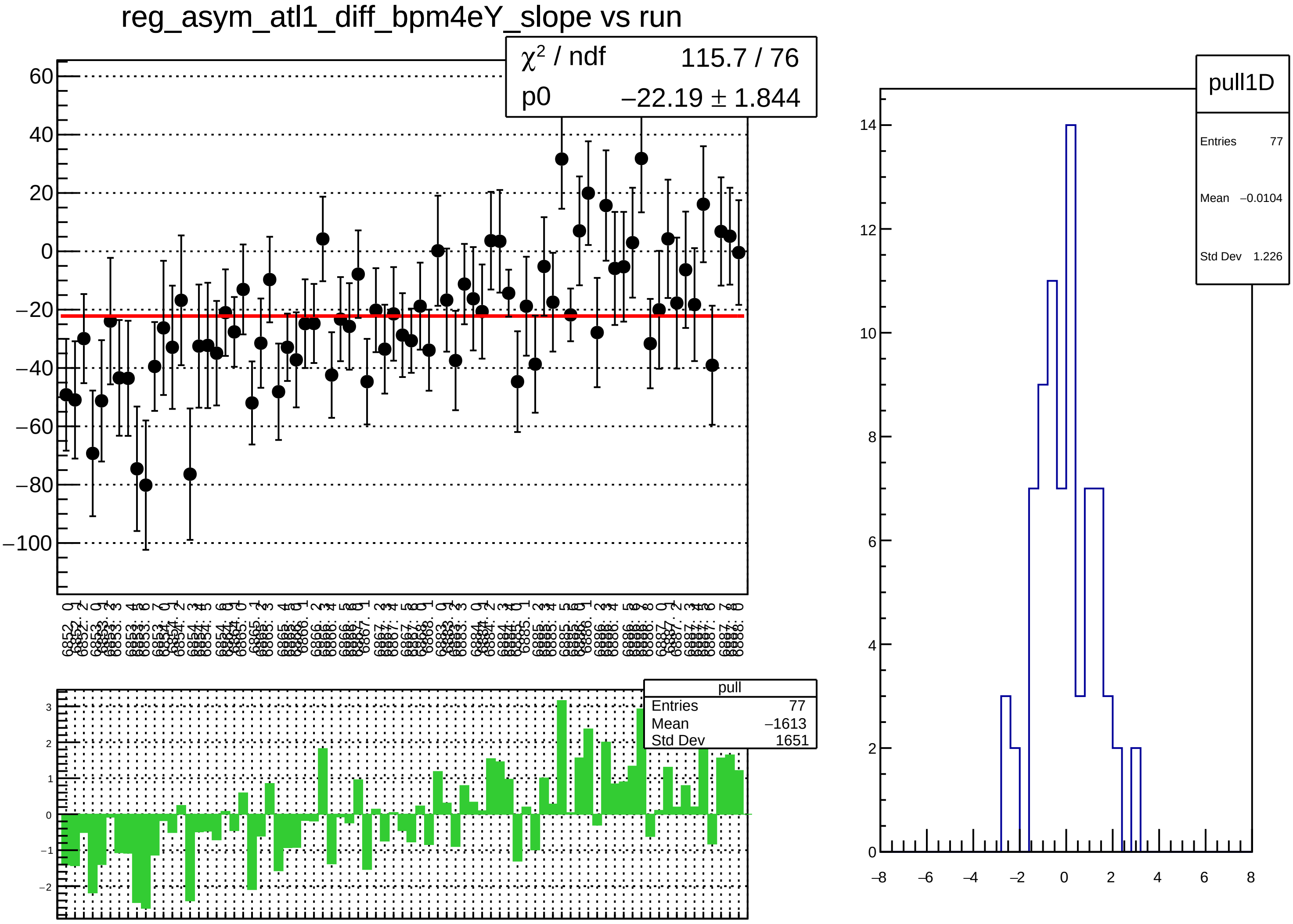

pull1D
Entries 77
Mean −0.04443
Std Dev 1.087



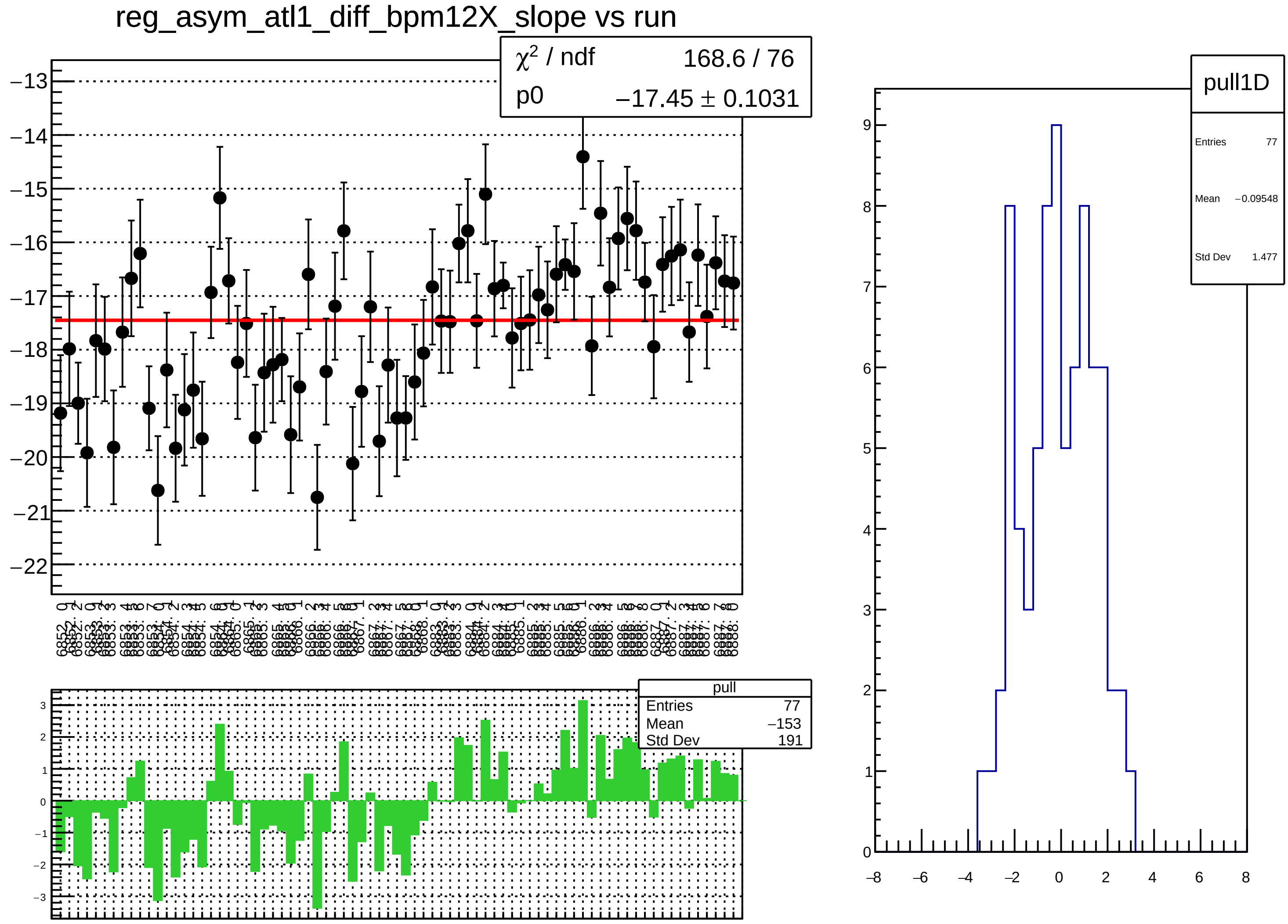
reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 99.8 / 76
p0 12.23 ± 1.414
pull
Entries 77
Mean −4523
Std Dev 4562
pull1D
Entries 77
Mean 0.002972
Std Dev 1.138



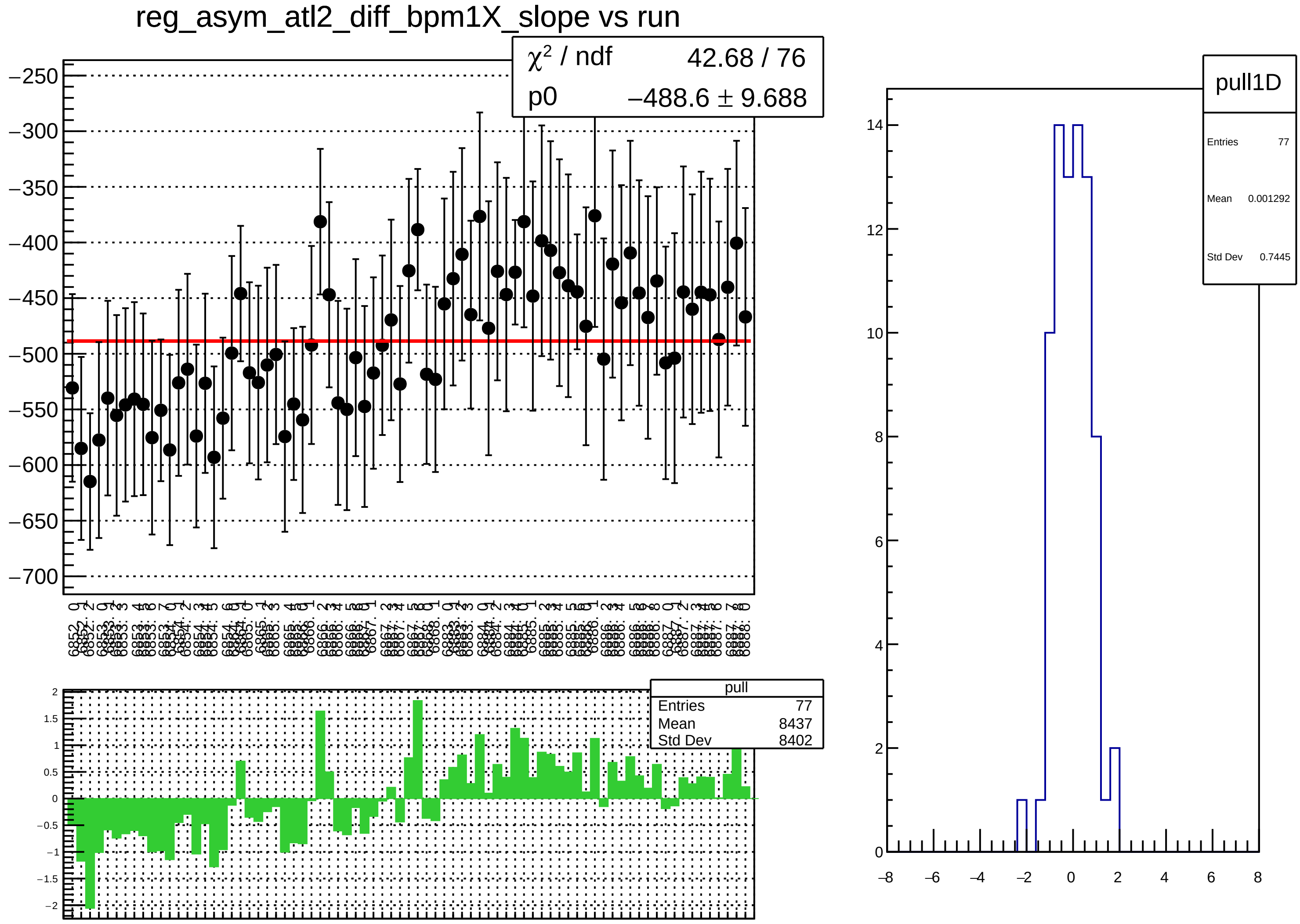
reg_asym_atl1_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 89.25 / 76
p0 56.37 ± 2.392
140
120
100
80
60
40
20
0
−20
pull
Entries 77
Mean −188.7
Std Dev 217.5
pull1D
Entries 77
Mean 0.03621
Std Dev 1.076



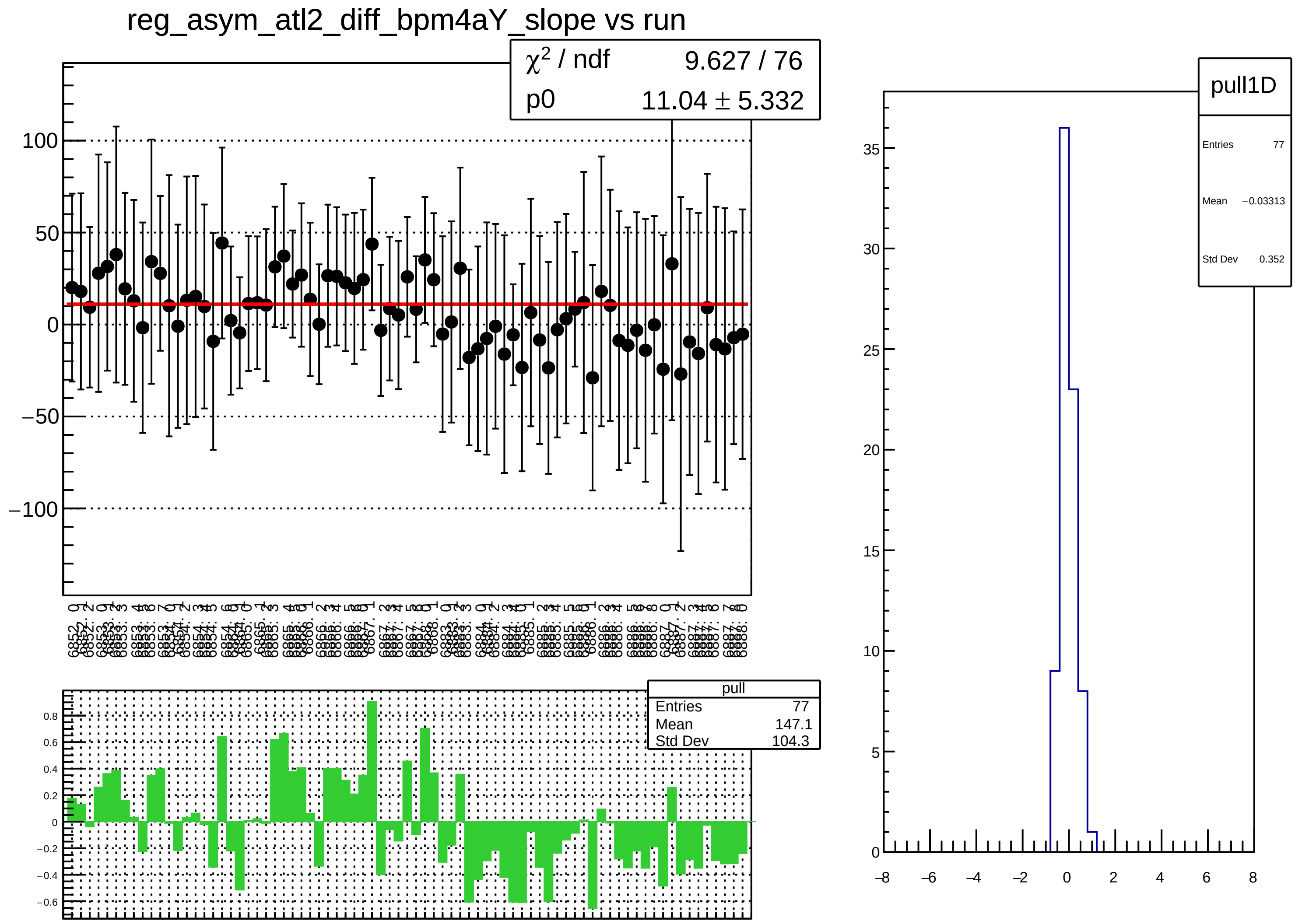
reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 115.7 / 76
p0 −22.19 ± 1.844
pull
Entries 77
Mean −1613
Std Dev 1651
pull1D
Entries 77
Mean −0.0104
Std Dev 1.226



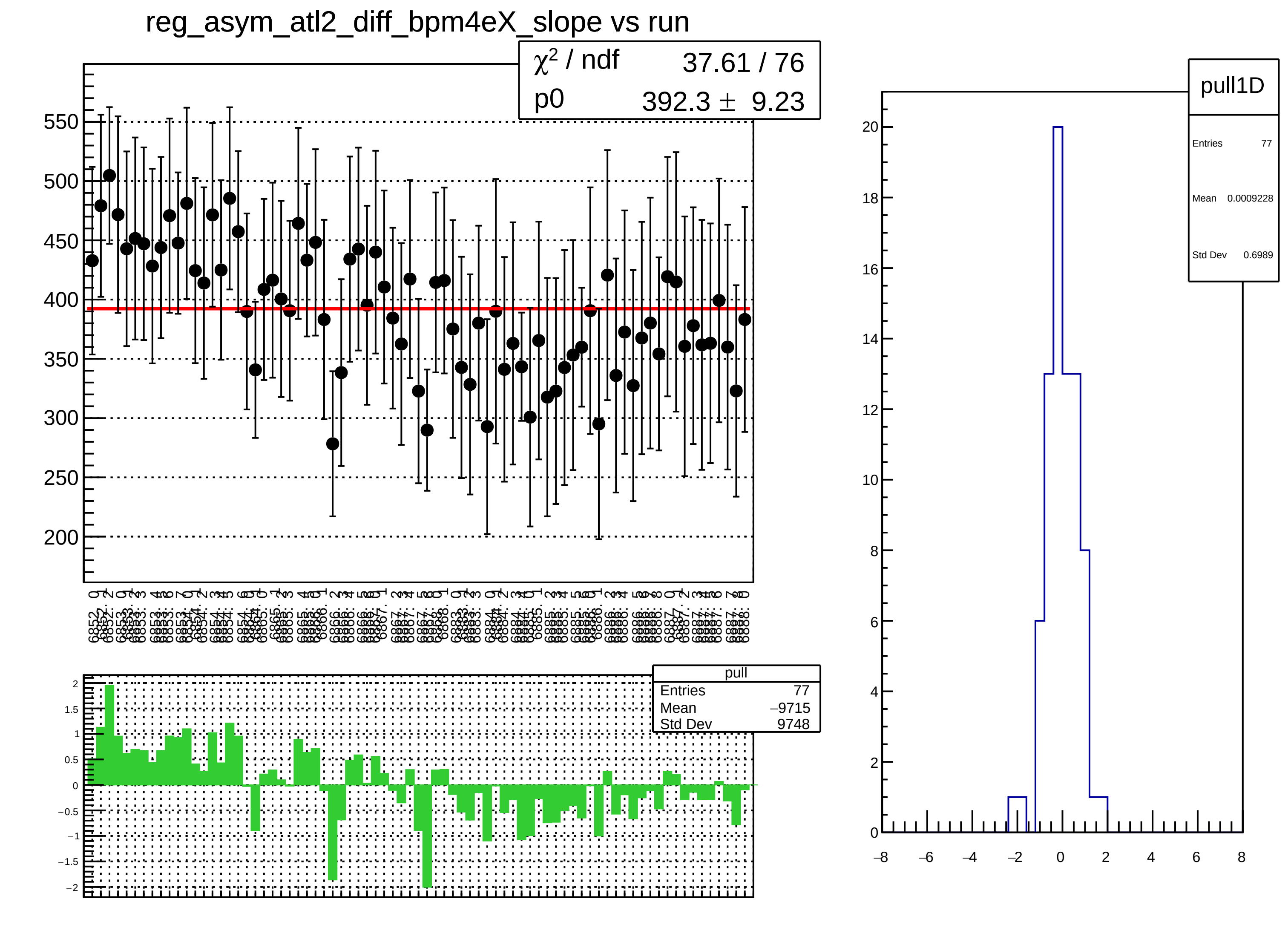
reg_asym_atl1_diff_bpm12X_slope vs run
χ2 / ndf 168.6 / 76
p0 −17.45 ± 0.1031
pull
Entries 77
Mean −153
Std Dev 191
pull1D
Entries 77
Mean −0.09548
Std Dev 1.477



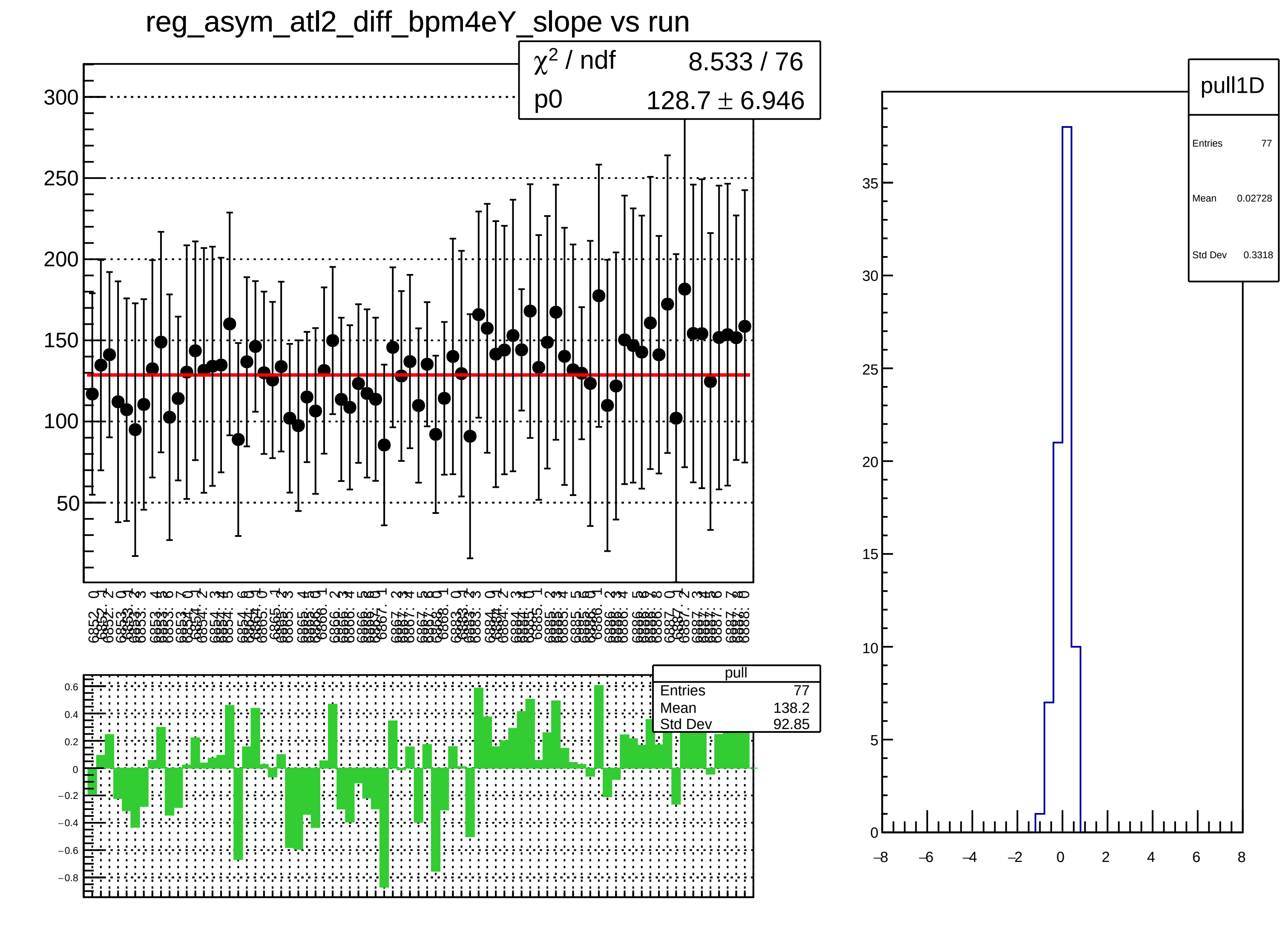
reg_asym_atl2_diff_bpm1X_slope vs run
$\chi^2$ / ndf 42.68 / 76
p0 −488.6 ± 9.688
−250
−300
−350
−400
−450
−500
−550
−600
−650
−700
pull
Entries 77
Mean 8437
Std Dev 8402
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean 0.001292
Std Dev 0.7445
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



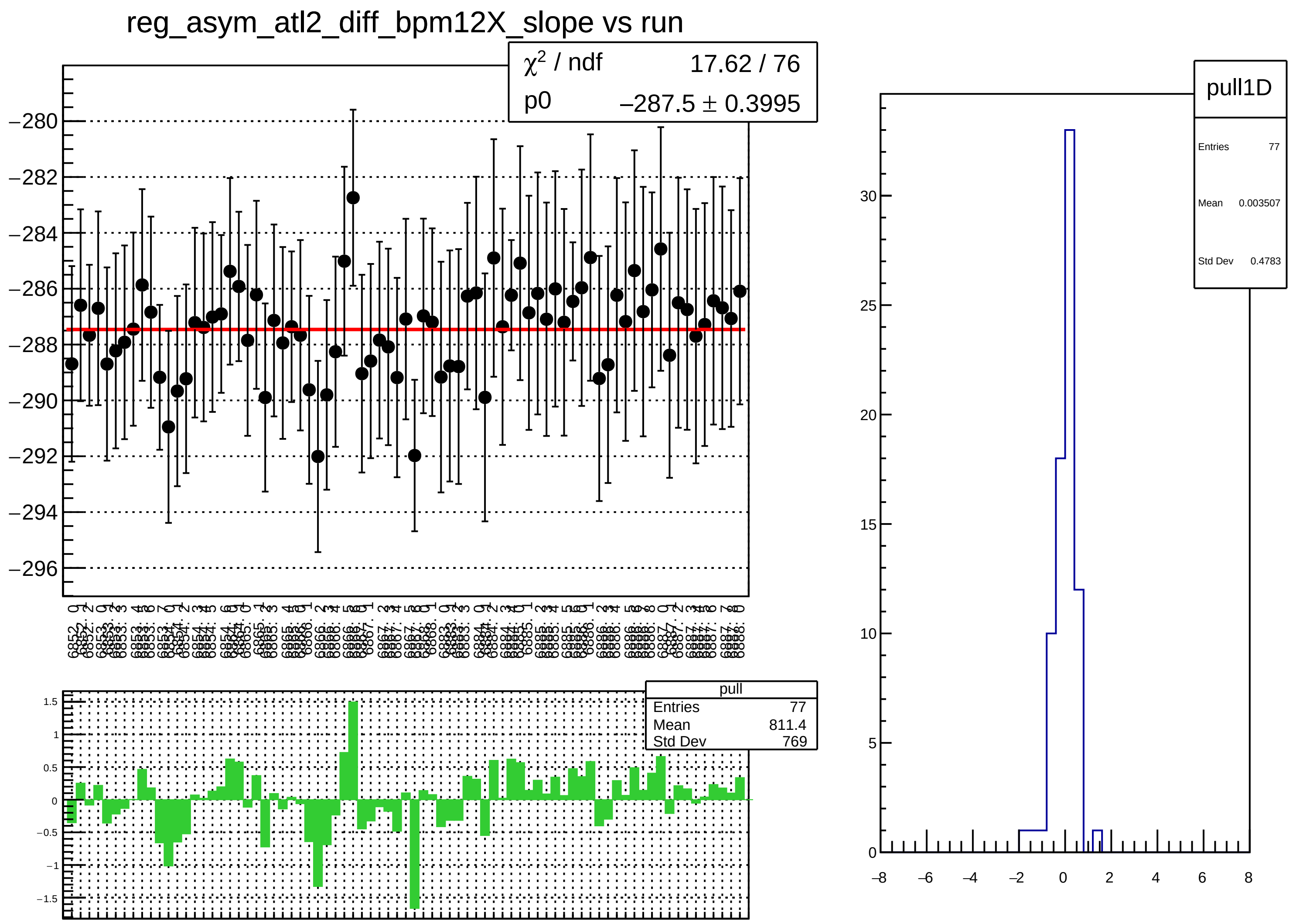
reg_asym_atl2_diff_bpm4aY_slope vs run
χ2 / ndf 9.627 / 76
p0 11.04 ± 5.332
pull
Entries 77
Mean 147.1
Std Dev 104.3
pull1D
Entries 77
Mean −0.03313
Std Dev 0.352



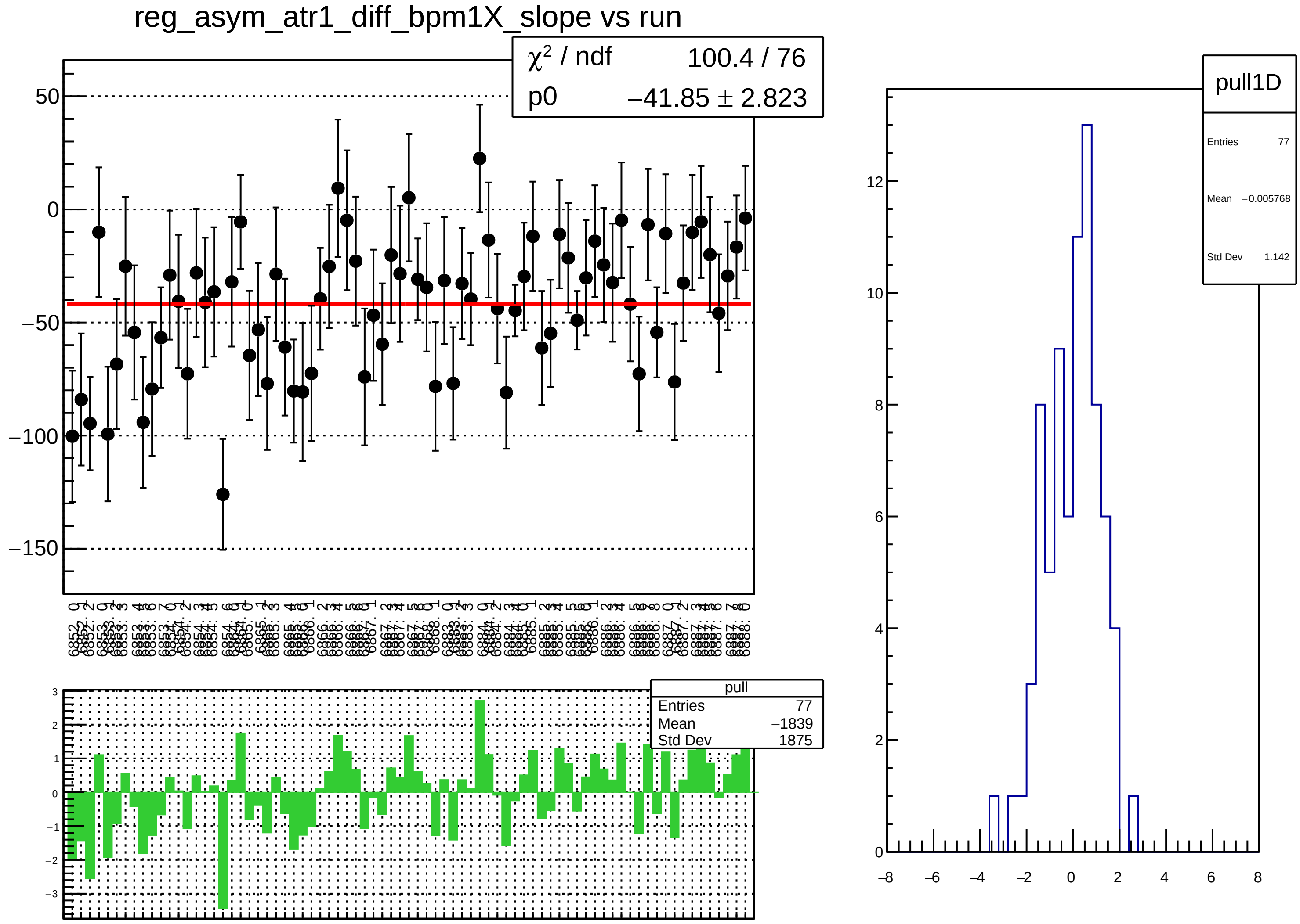
reg_asym_atl2_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 37.61 / 76
p0 392.3 ± 9.23
pull
Entries 77
Mean −9715
Std Dev 9748
pull1D
Entries 77
Mean 0.0009228
Std Dev 0.6989



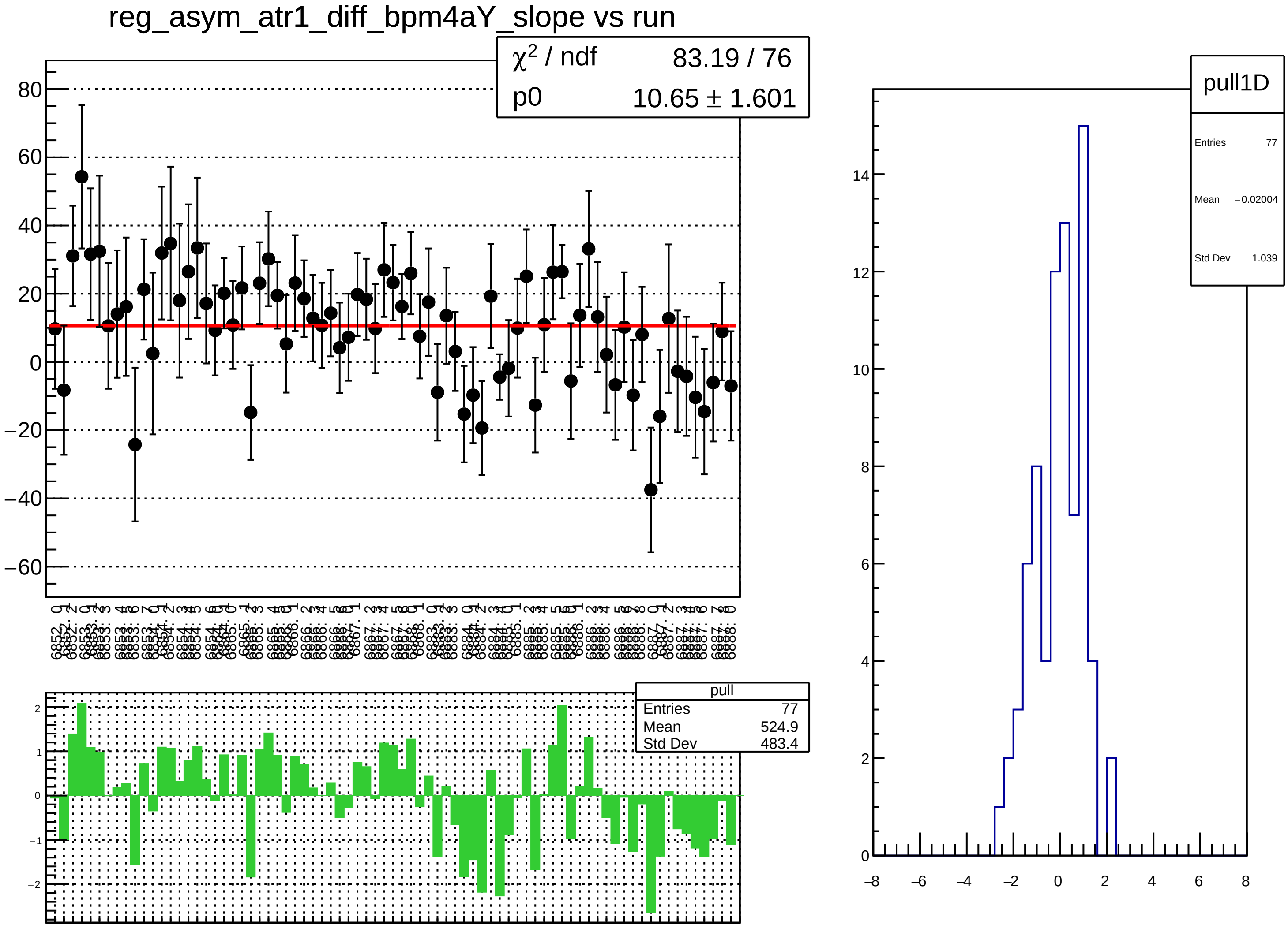
reg_asym_atl2_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 8.533 / 76
p0 128.7 ± 6.946
pull
Entries 77
Mean 138.2
Std Dev 92.85
pull1D
Entries 77
Mean 0.02728
Std Dev 0.3318

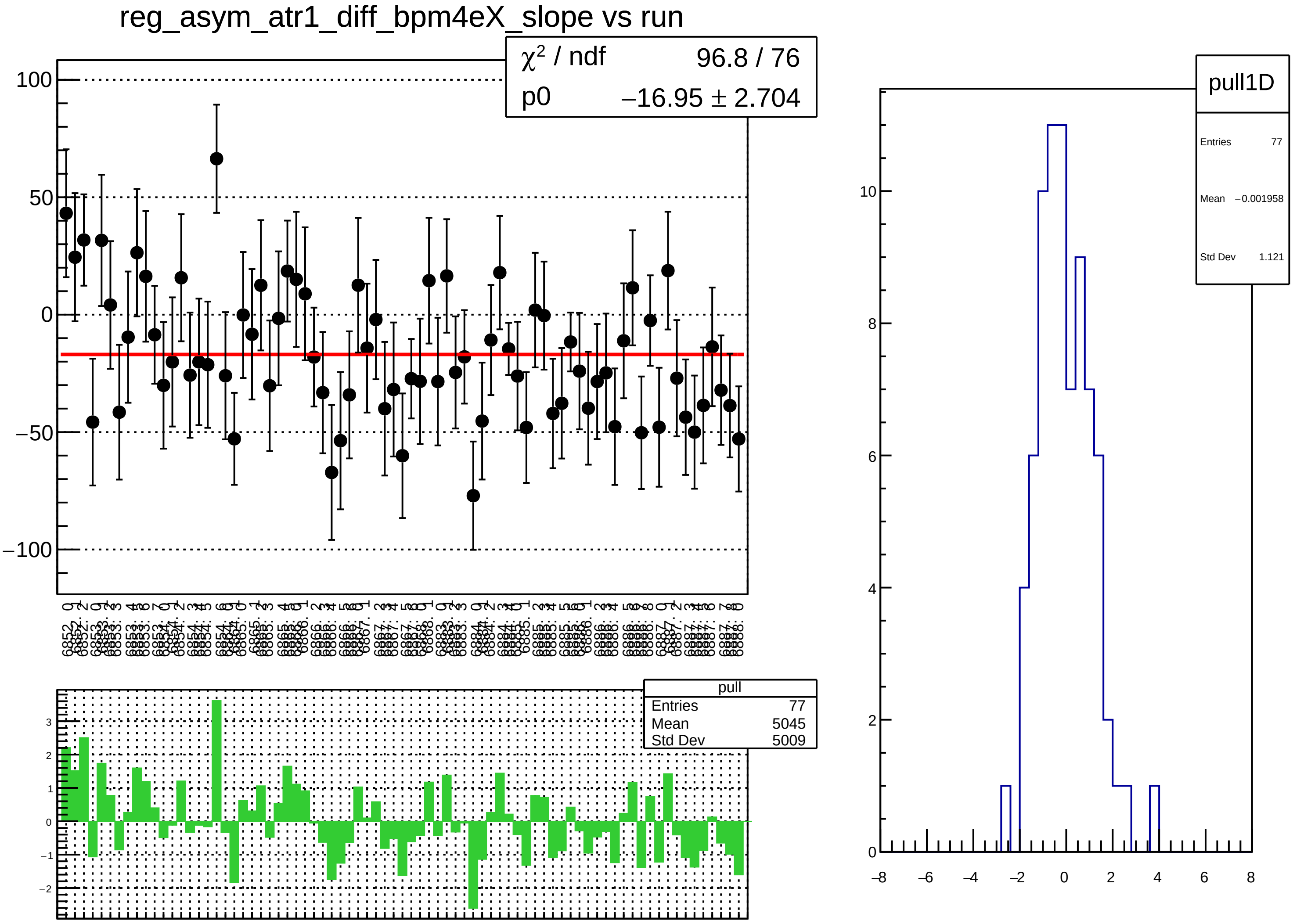


reg_asym_atl2_diff_bpm12X_slope vs run
$\chi^2$ / ndf 17.62 / 76
p0 −287.5 ± 0.3995
pull
Entries 77
Mean 811.4
Std Dev 769
pull1D
Entries 77
Mean 0.003507
Std Dev 0.4783

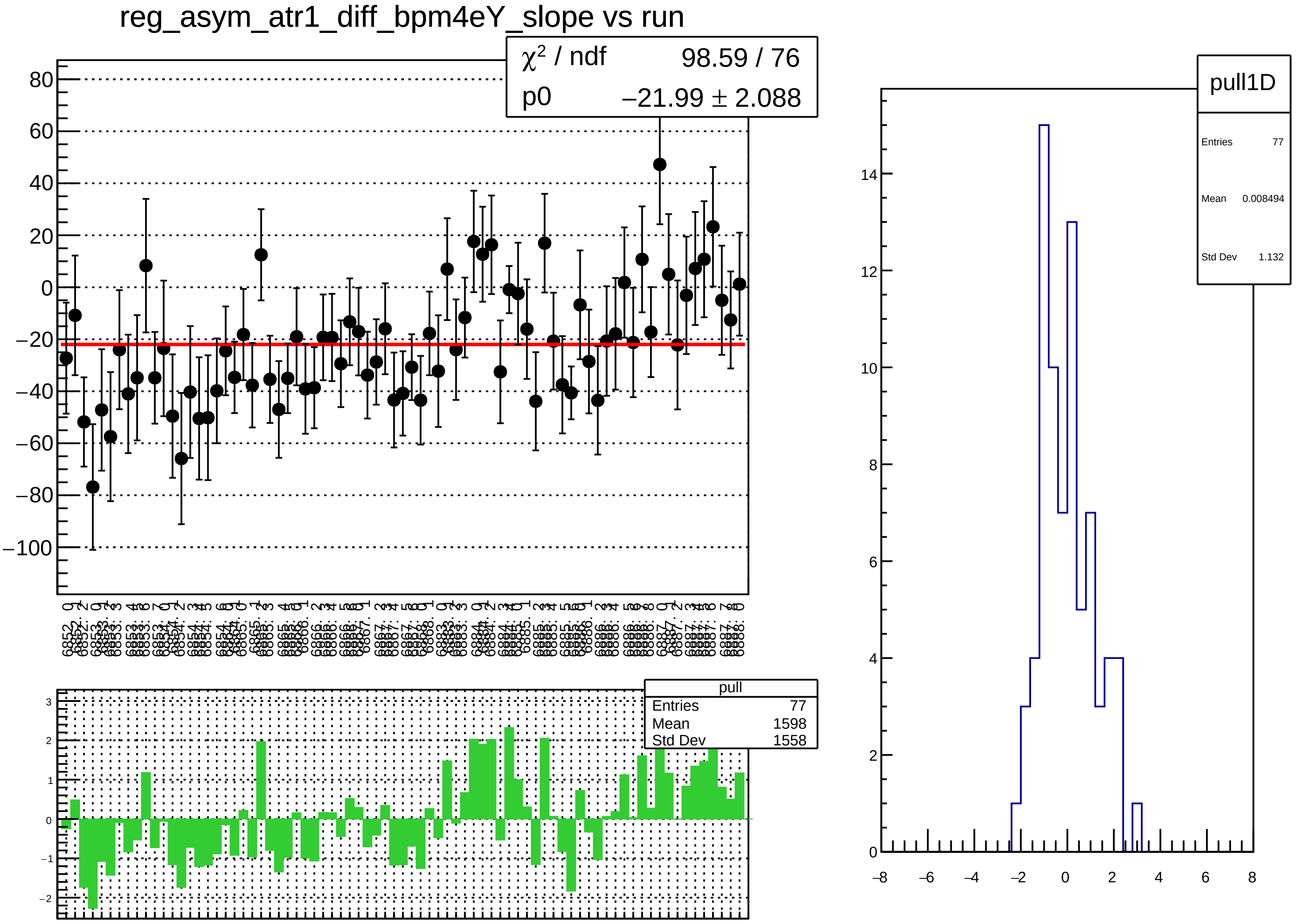


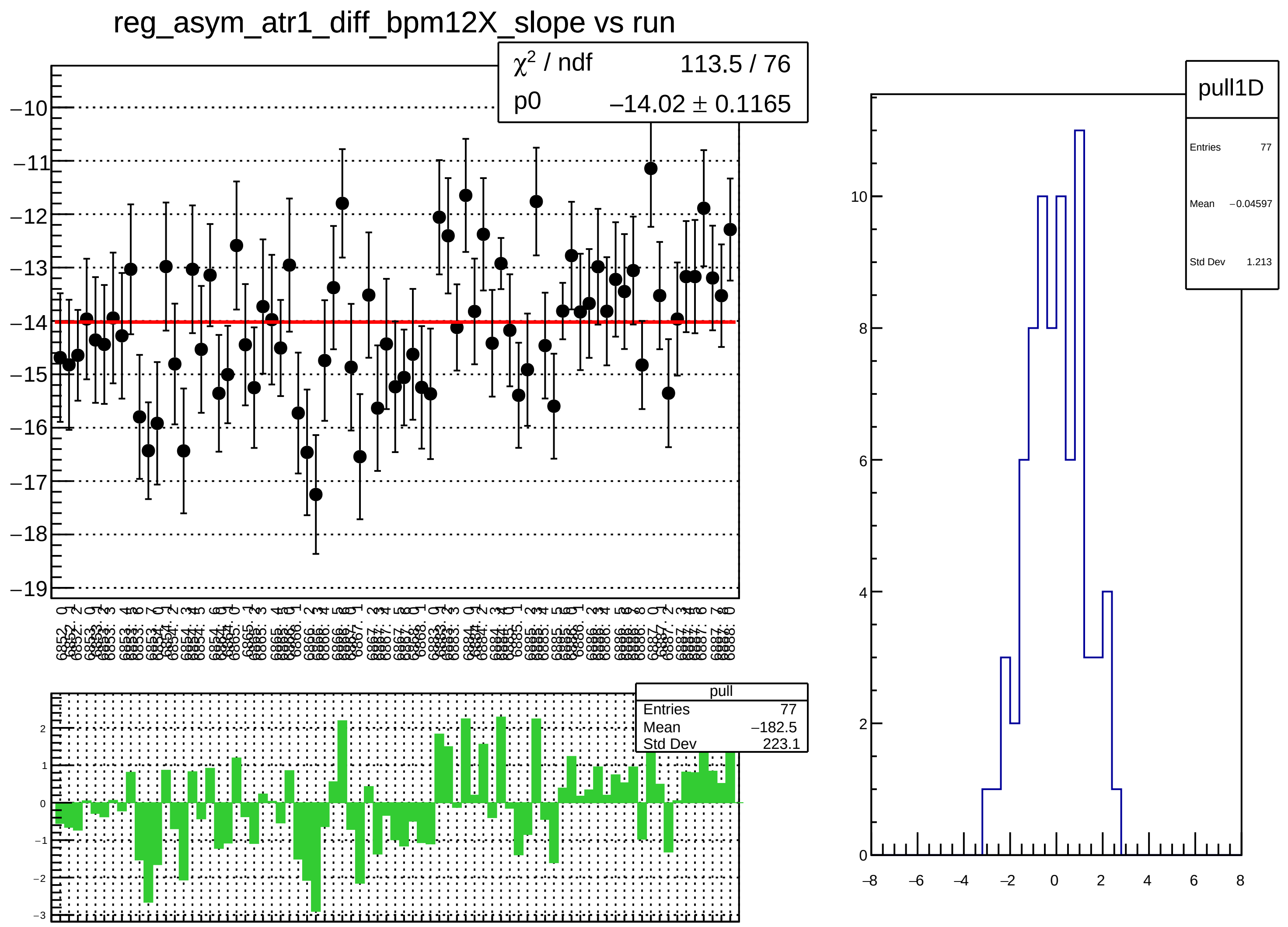
reg_asym_atr1_diff_bpm1X_slope vs run
χ2 / ndf 100.4 / 76
p0 −41.85 ± 2.823
pull
Entries 77
Mean −1839
Std Dev 1875
pull1D
Entries 77
Mean −0.005768
Std Dev 1.142


reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 83.19 / 76
p0 10.65 ± 1.601
pull
Entries 77
Mean 524.9
Std Dev 483.4
pull1D
Entries 77
Mean −0.02004
Std Dev 1.039

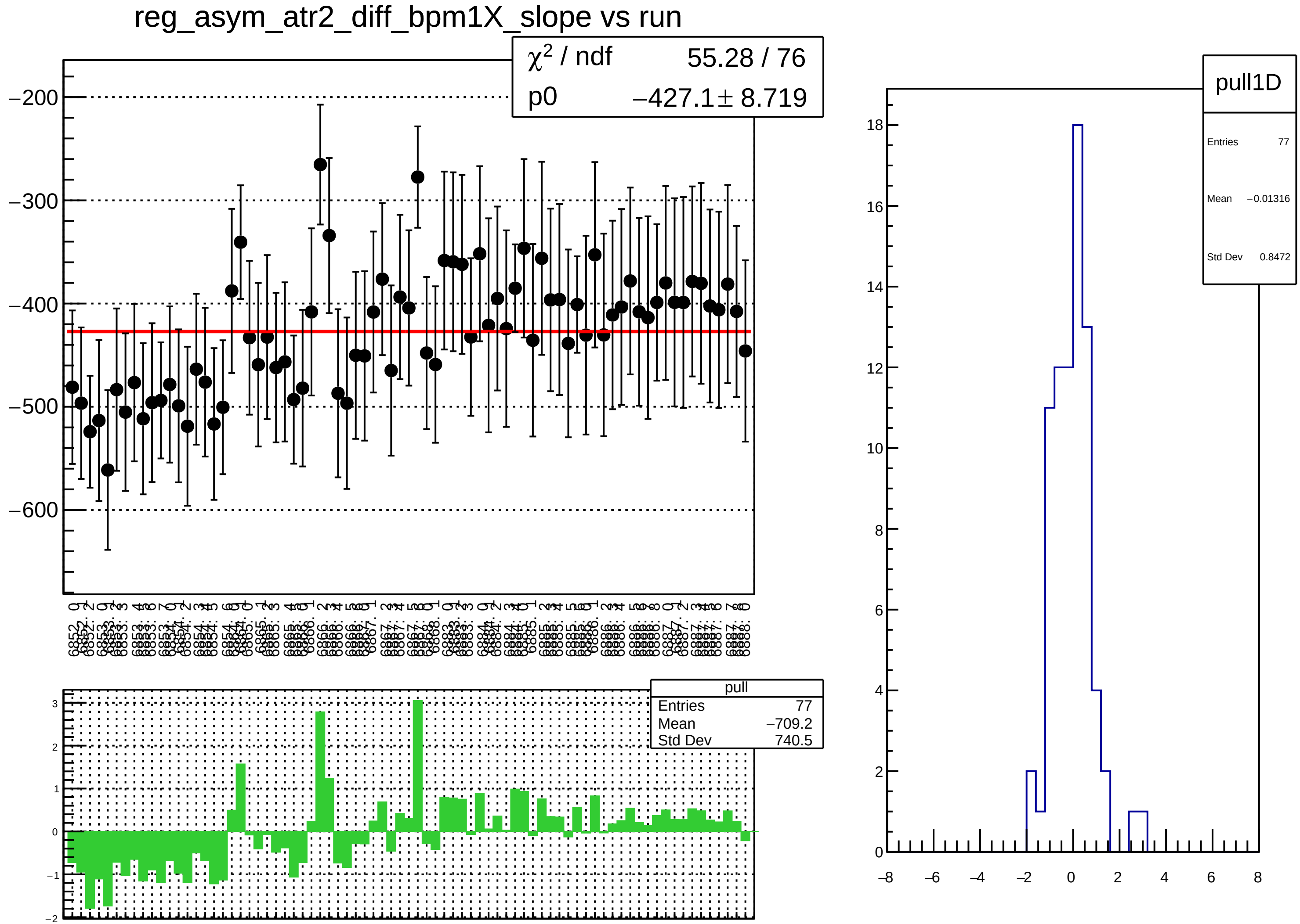


reg_asym_atr1_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 96.8 / 76
p0 −16.95 ± 2.704
pull
Entries 77
Mean 5045
Std Dev 5009
pull1D
Entries 77
Mean −0.001958
Std Dev 1.121

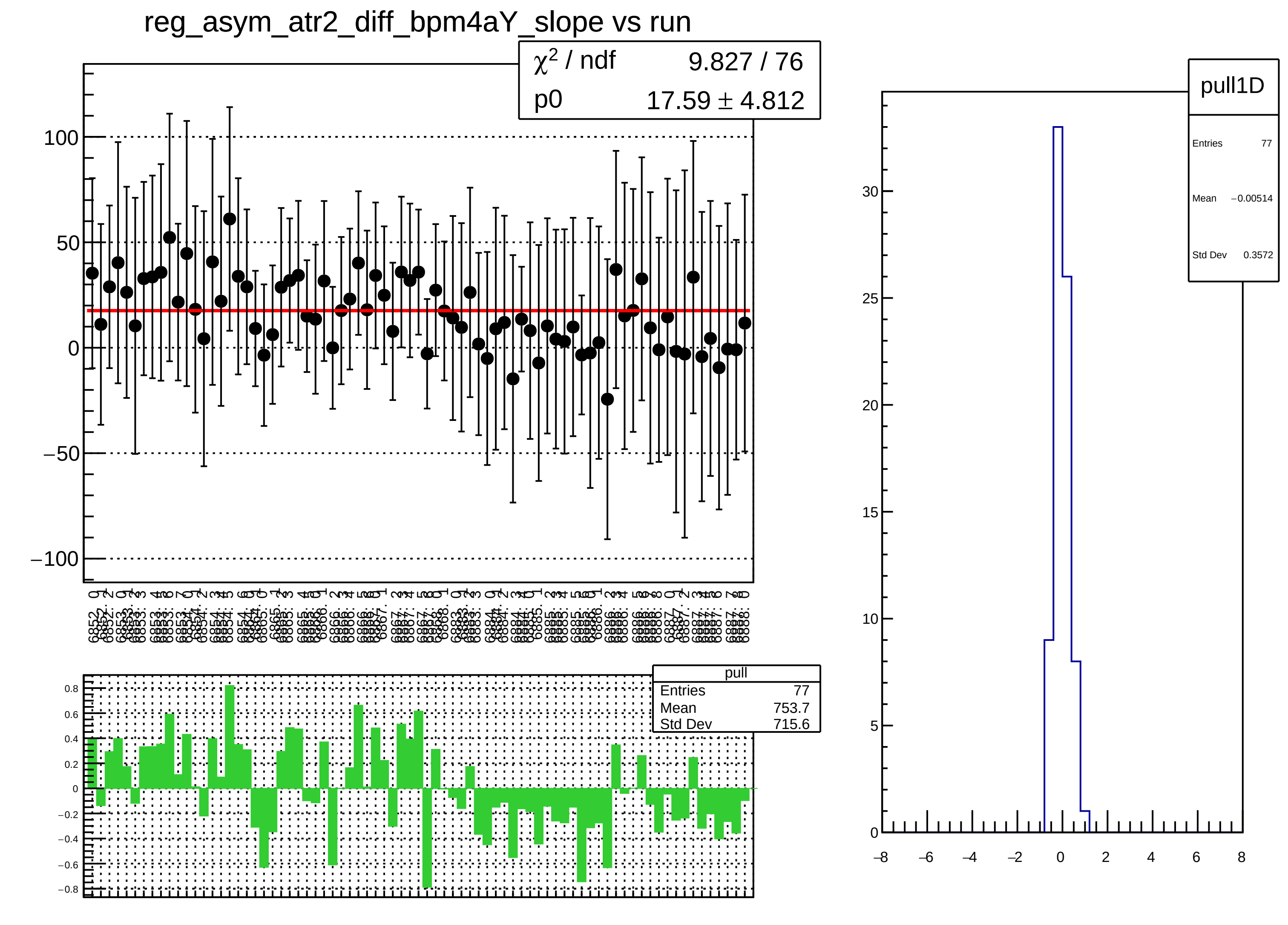

reg_asym_atr1_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 98.59 / 76
p0 −21.99 ± 2.088
pull
Entries 77
Mean 1598
Std Dev 1558
pull1D
Entries 77
Mean 0.008494
Std Dev 1.132



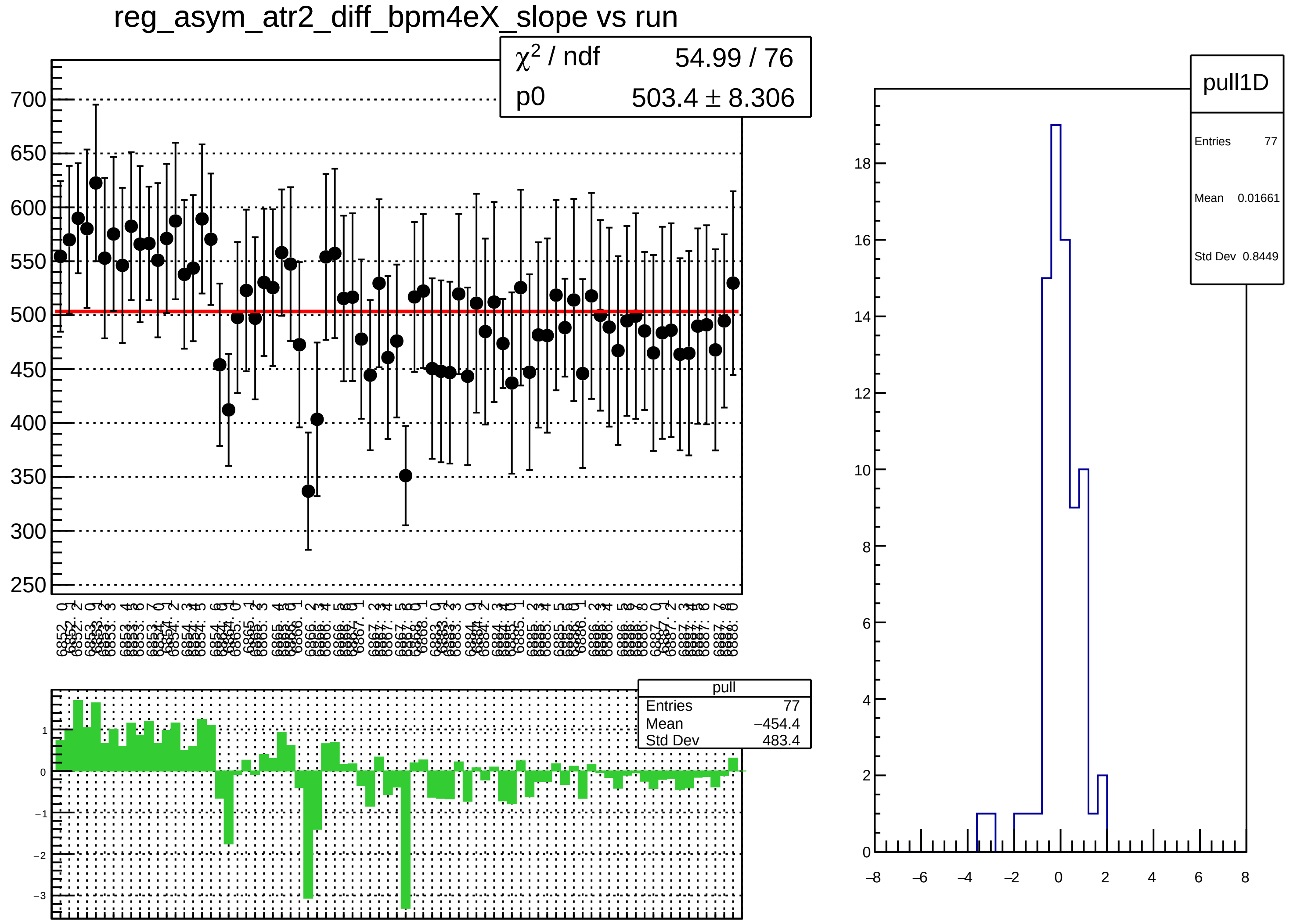
reg_asym_atr1_diff_bpm12X_slope vs run
$\chi^2$ / ndf 113.5 / 76
p0 −14.02 ± 0.1165
pull
Entries 77
Mean −182.5
Std Dev 223.1
pull1D
Entries 77
Mean −0.04597
Std Dev 1.213

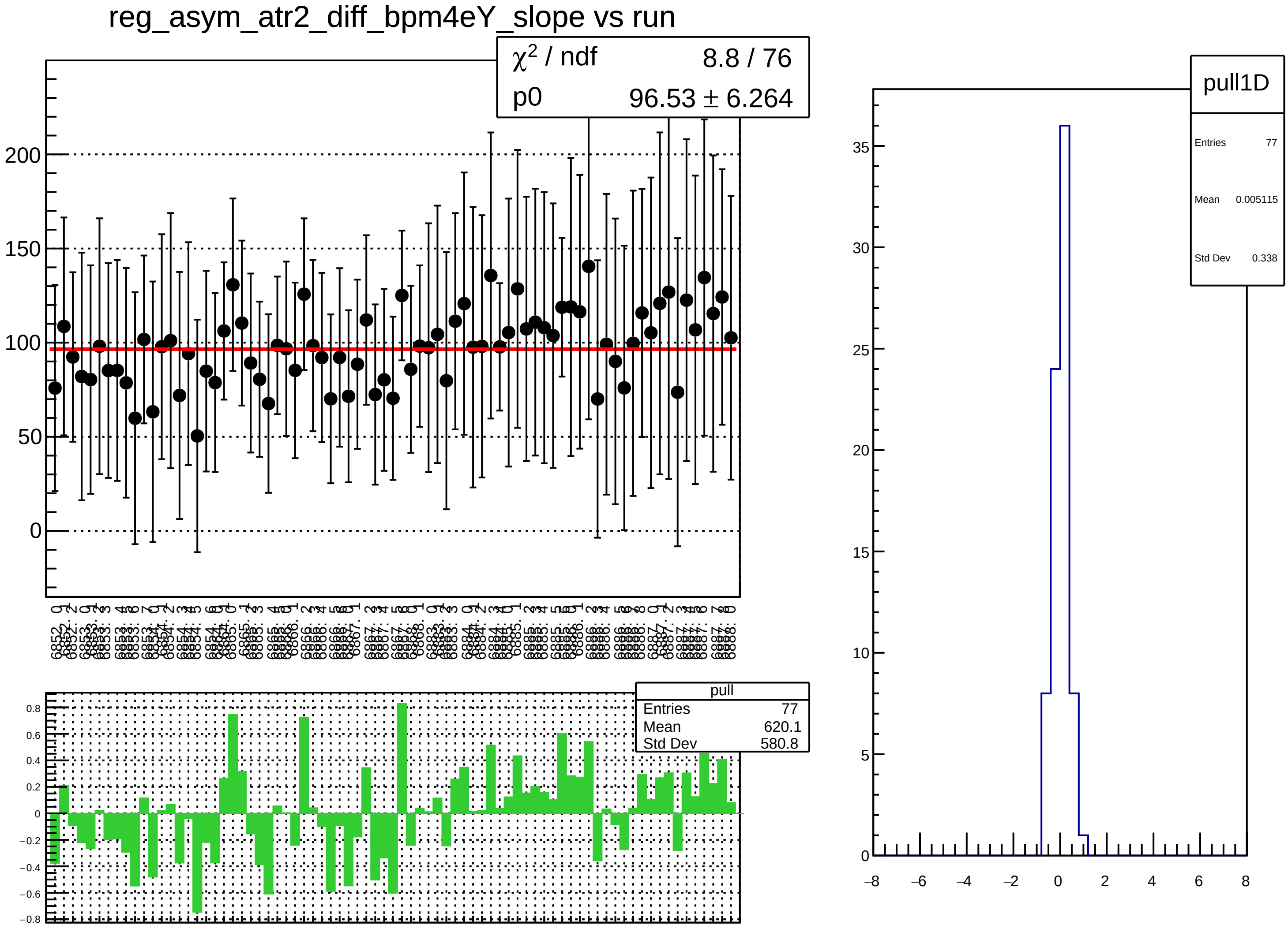


reg_asym_atr2_diff_bpm1X_slope vs run
χ2 / ndf 55.28 / 76
p0 −427.1 ± 8.719
−200
−300
−400
−500
−600
pull
Entries 77
Mean −709.2
Std Dev 740.5
pull1D
Entries 77
Mean −0.01316
Std Dev 0.8472

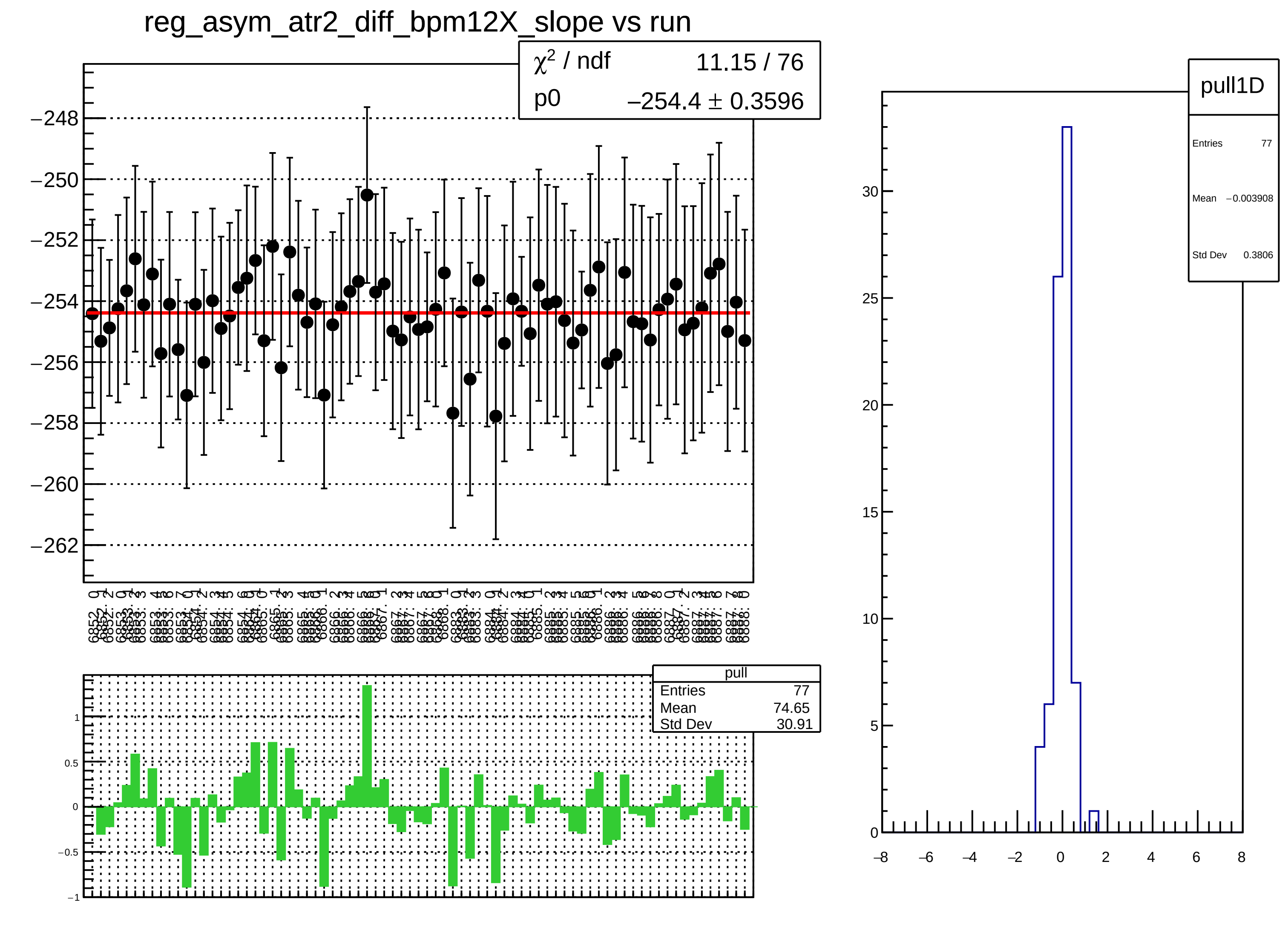


reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 9.827 / 76
p0 17.59 ± 4.812
pull
Entries 77
Mean 753.7
Std Dev 715.6
pull1D
Entries 77
Mean −0.00514
Std Dev 0.3572

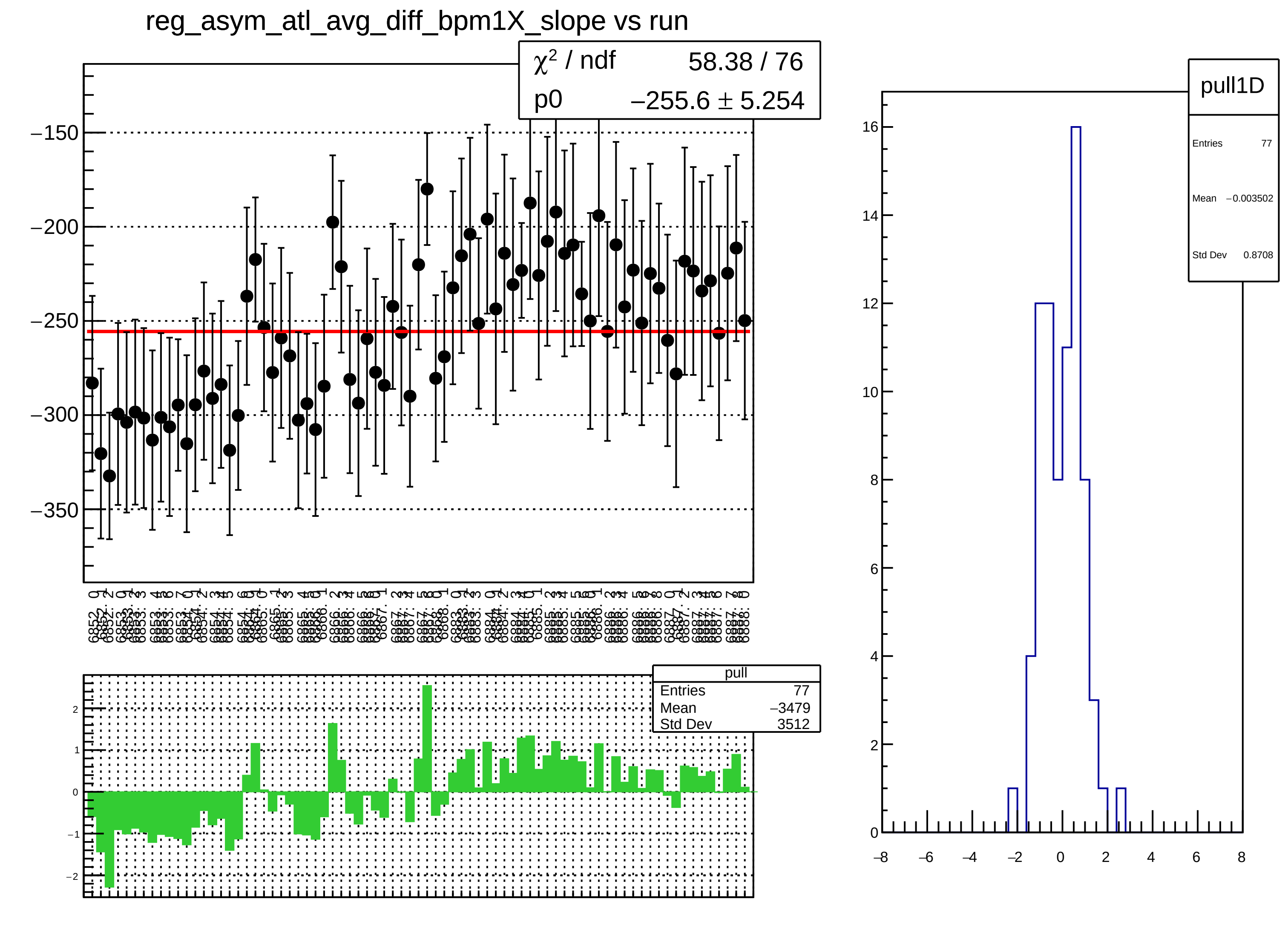

reg_asym_atr2_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 54.99 / 76
p0 503.4 ± 8.306
pull
Entries 77
Mean −454.4
Std Dev 483.4
pull1D
Entries 77
Mean 0.01661
Std Dev 0.8449

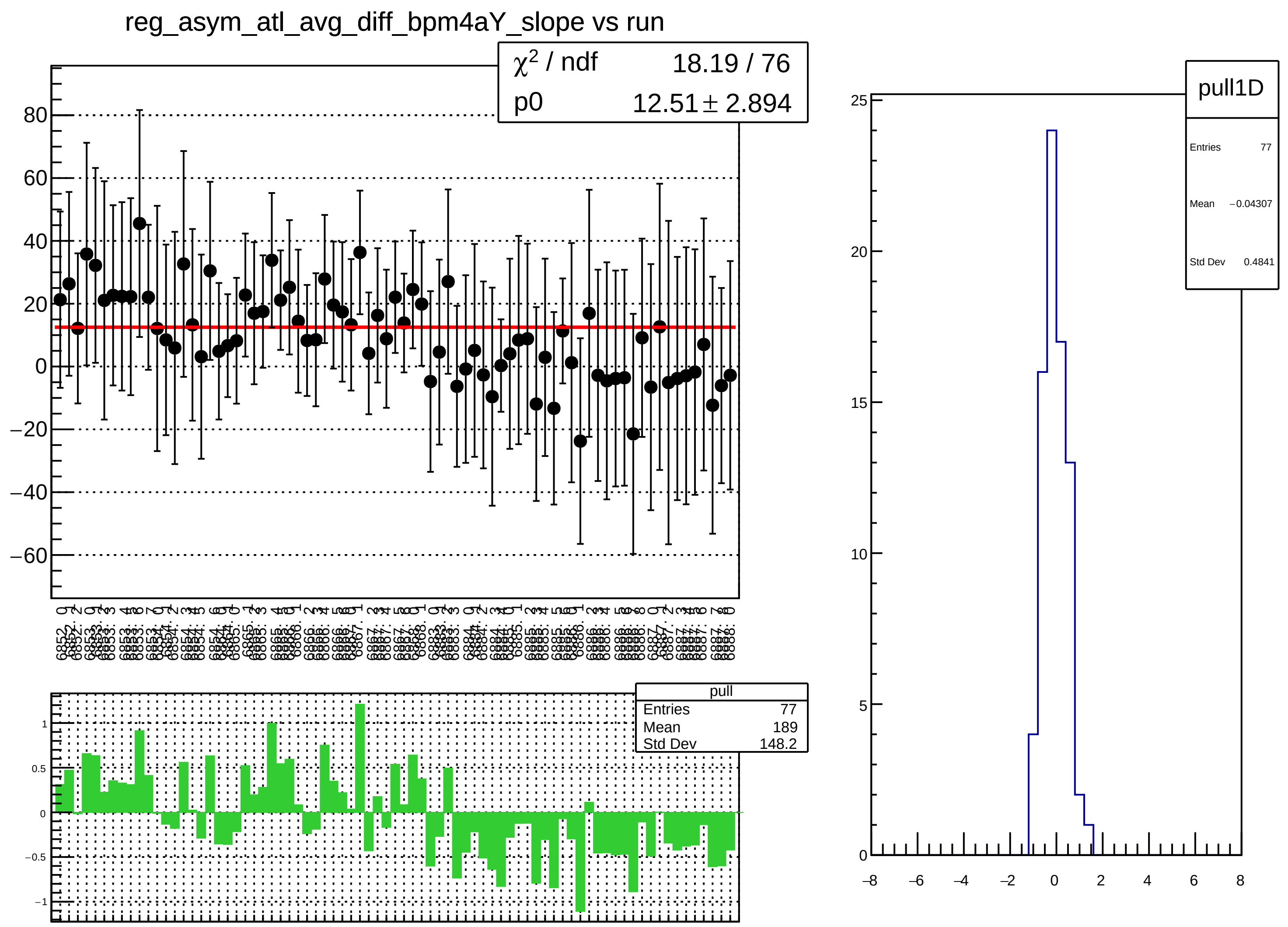


reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 8.8 / 76
p0 96.53 ± 6.264
pull
Entries 77
Mean 620.1
Std Dev 580.8
pull1D
Entries 77
Mean 0.005115
Std Dev 0.338

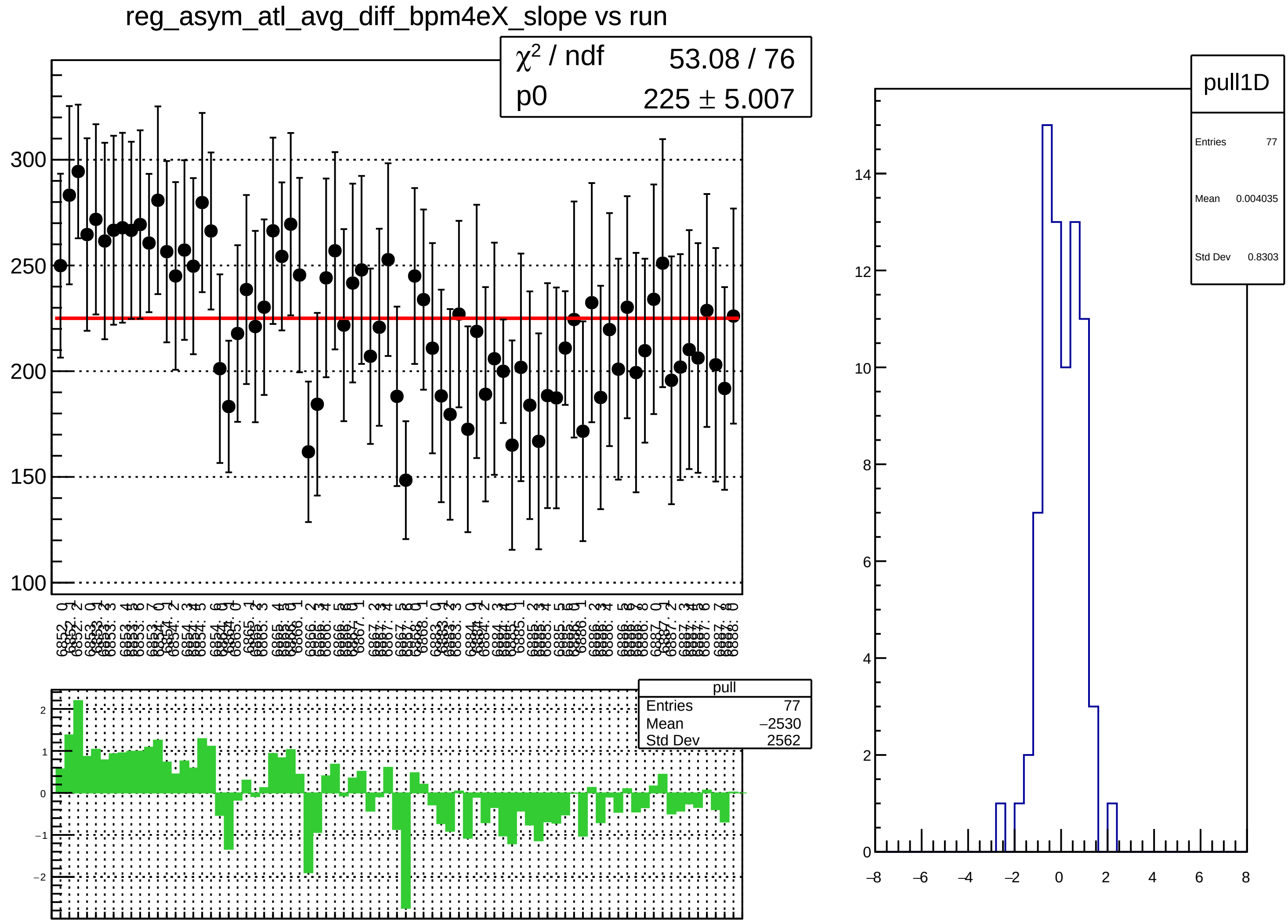


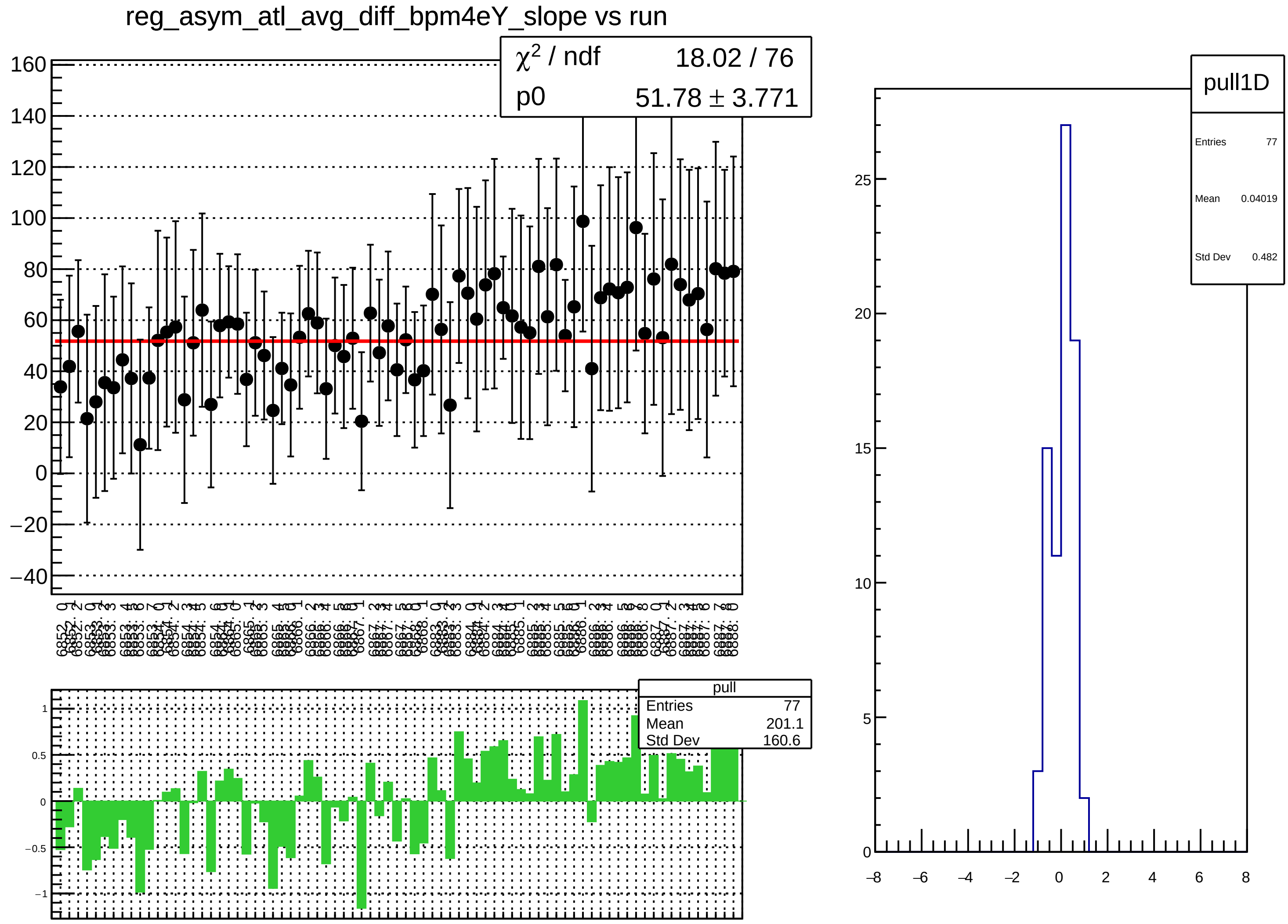
reg_asym_atr2_diff_bpm12X_slope vs run
χ2 / ndf 11.15 / 76
p0 −254.4 ± 0.3596
pull
Entries 77
Mean 74.65
Std Dev 30.91
pull1D
Entries 77
Mean −0.003908
Std Dev 0.3806


reg_asym_atl_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 58.38 / 76
p0 −255.6 ± 5.254
pull
Entries 77
Mean −3479
Std Dev 3512
pull1D
Entries 77
Mean −0.003502
Std Dev 0.8708

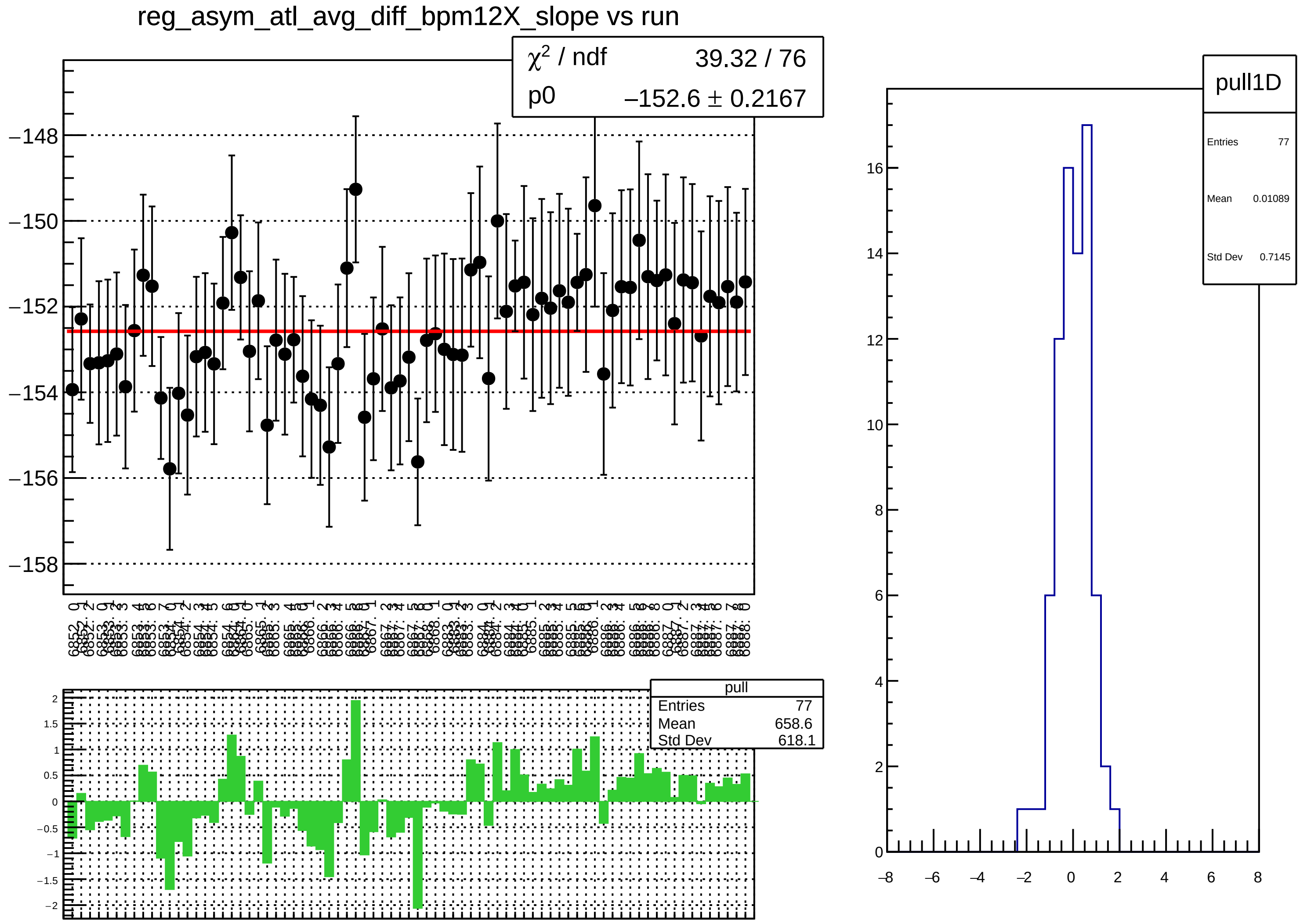


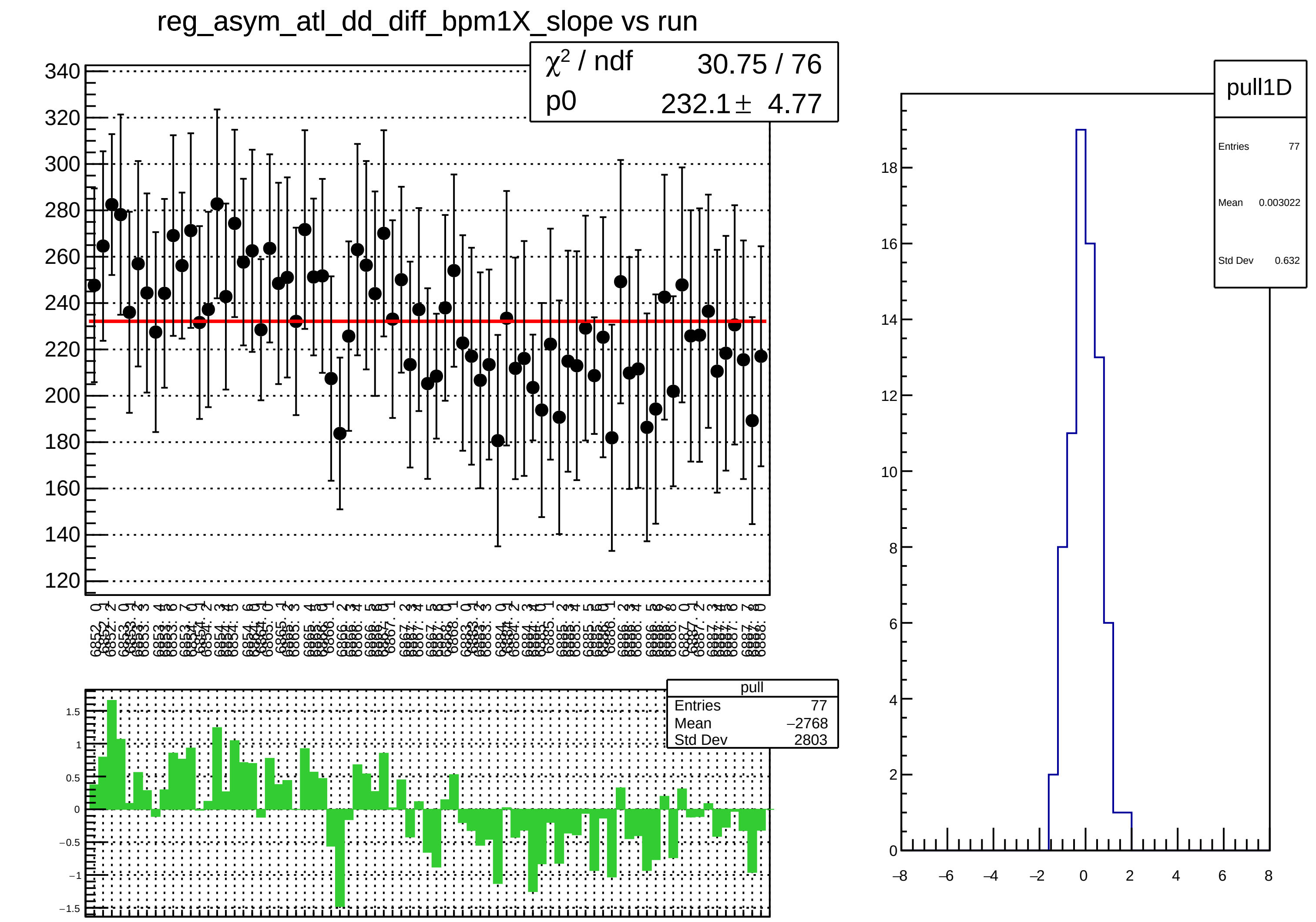
reg_asym_atl_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 18.19 / 76
p0 12.51 ± 2.894
pull
Entries 77
Mean 189
Std Dev 148.2
pull1D
Entries 77
Mean −0.04307
Std Dev 0.4841


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 53.08 / 76
p0 225 ± 5.007
pull
Entries 77
Mean −2530
Std Dev 2562
pull1D
Entries 77
Mean 0.004035
Std Dev 0.8303

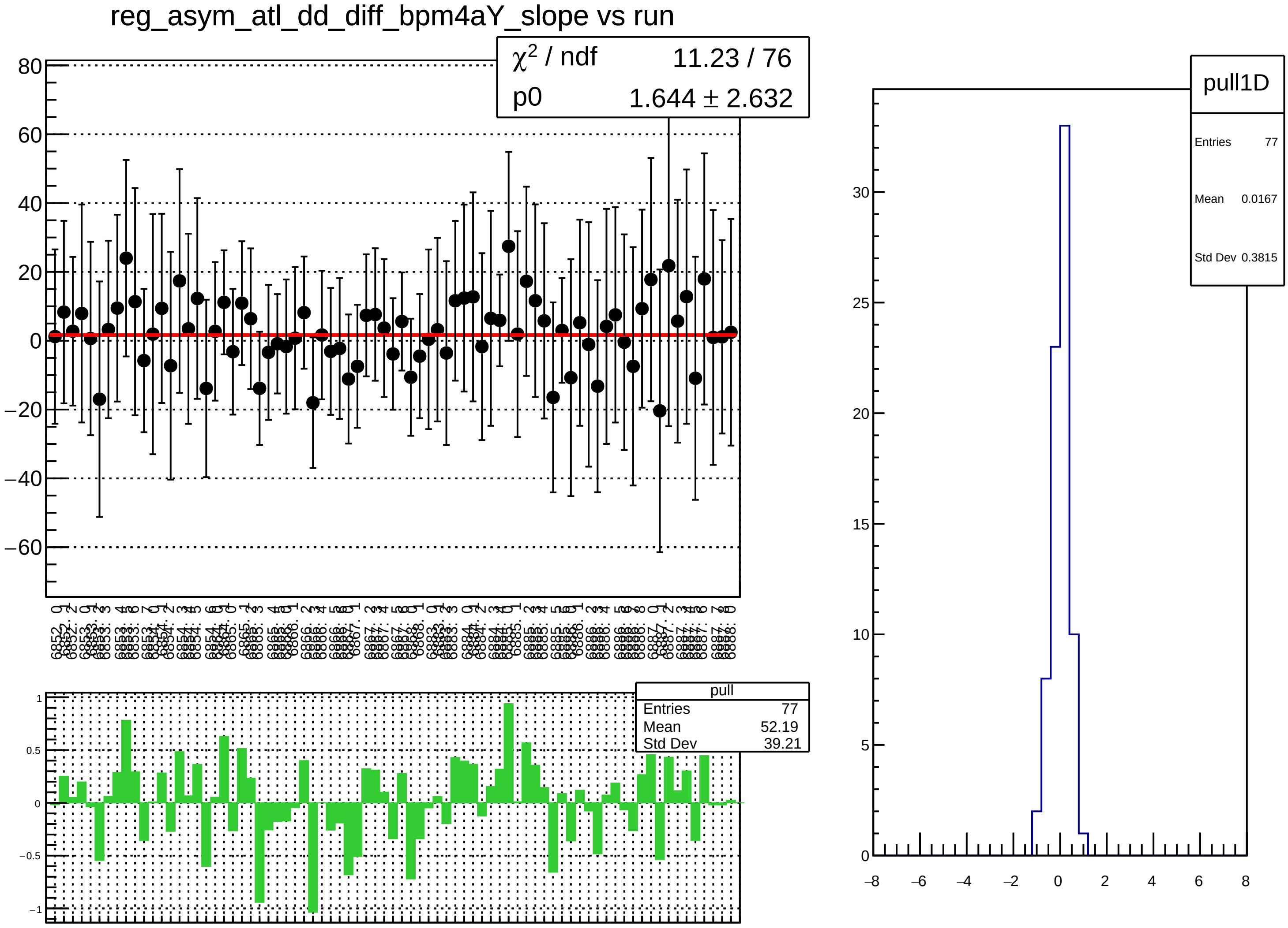


reg_asym_atl_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 18.02 / 76
p0 51.78 ± 3.771
pull
Entries 77
Mean 201.1
Std Dev 160.6
pull1D
Entries 77
Mean 0.04019
Std Dev 0.482

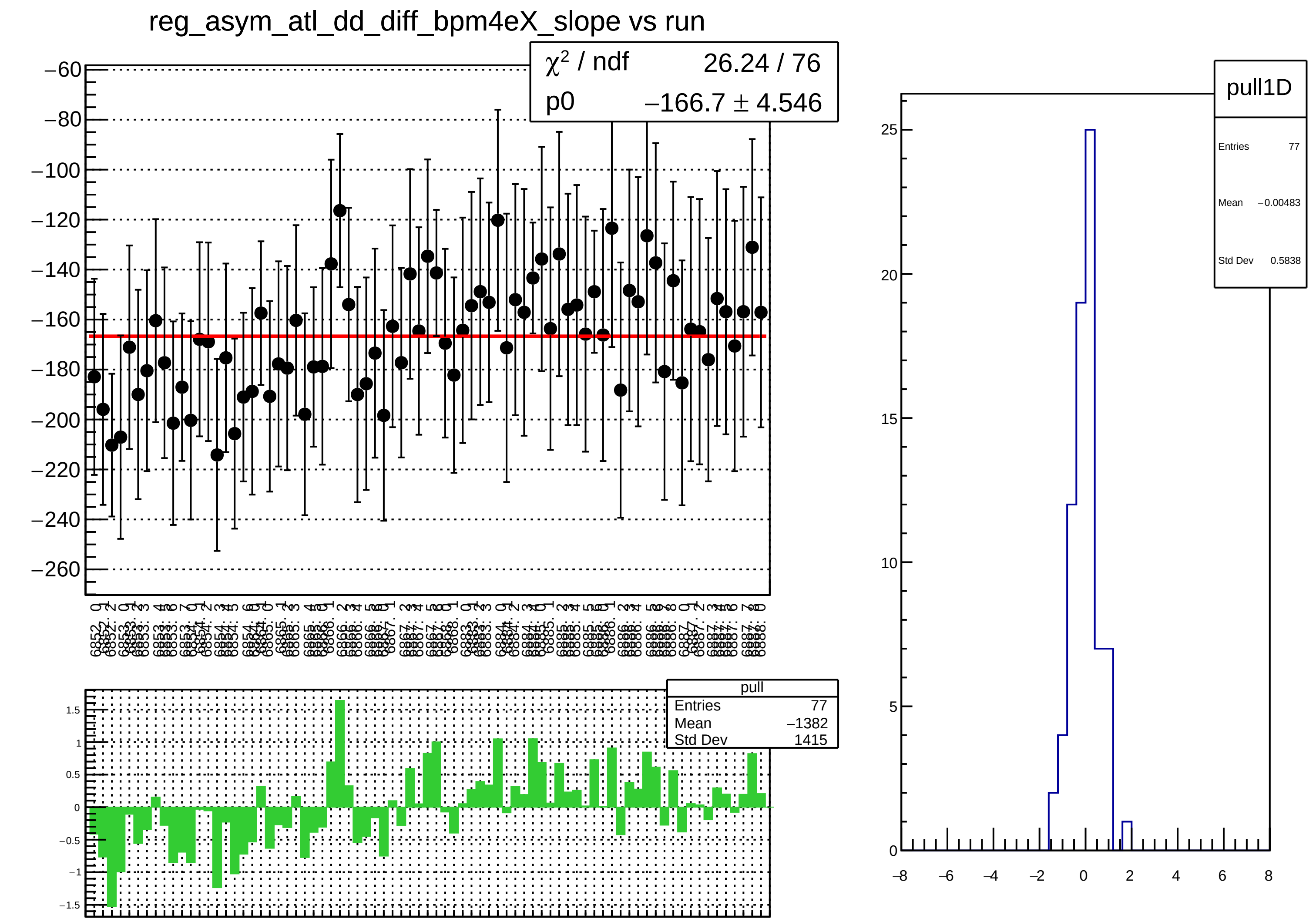

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ2 / ndf 39.32 / 76
p0 −152.6 ± 0.2167
pull
Entries 77
Mean 658.6
Std Dev 618.1
pull1D
Entries 77
Mean 0.01089
Std Dev 0.7145



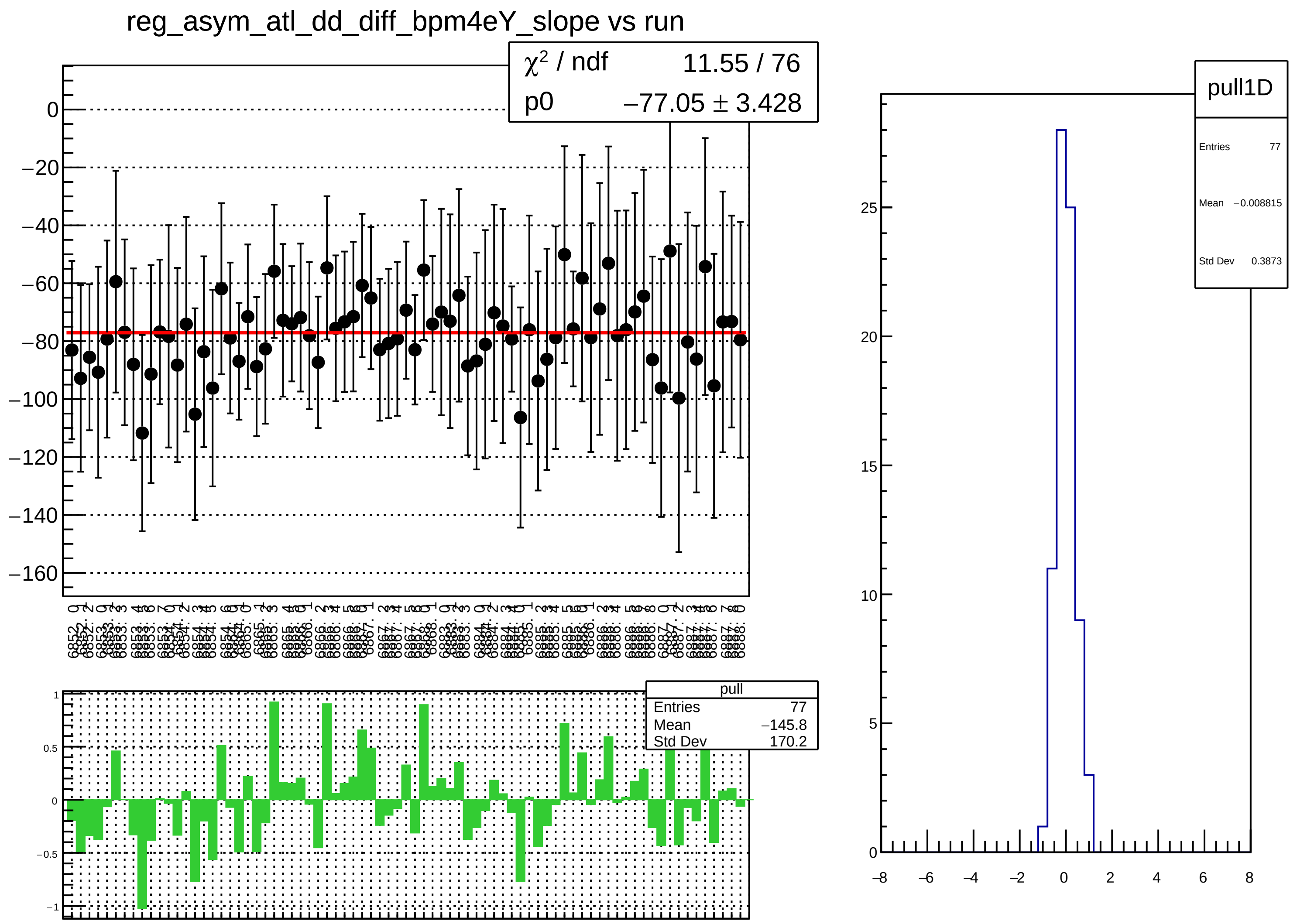
reg_asym_atl_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 30.75 / 76
p0 232.1 ± 4.77
pull
Entries 77
Mean −2768
Std Dev 2803
pull1D
Entries 77
Mean 0.003022
Std Dev 0.632



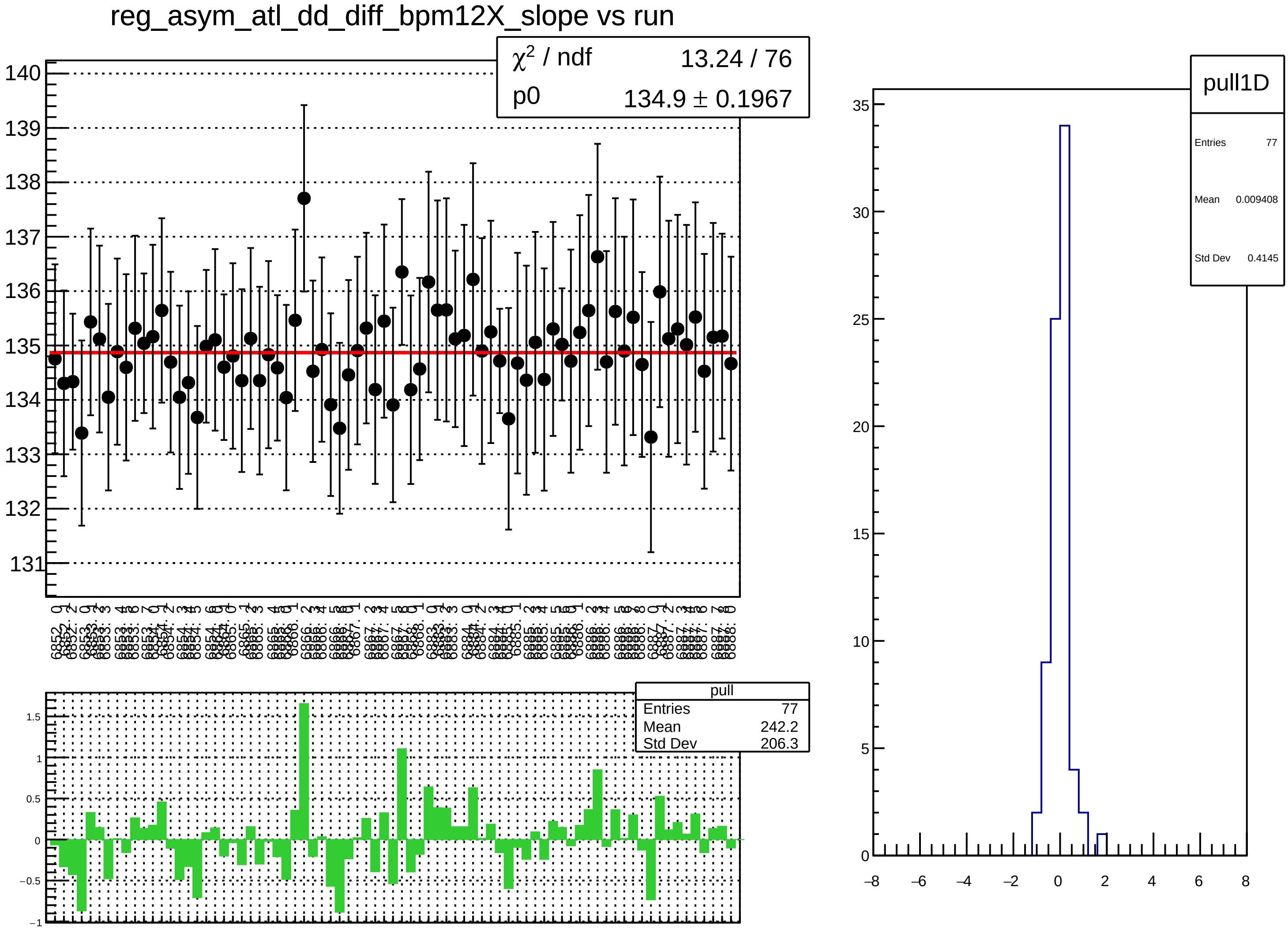
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 11.23 / 76
p0 1.644 ± 2.632
pull
Entries 77
Mean 52.19
Std Dev 39.21
pull1D
Entries 77
Mean 0.0167
Std Dev 0.3815



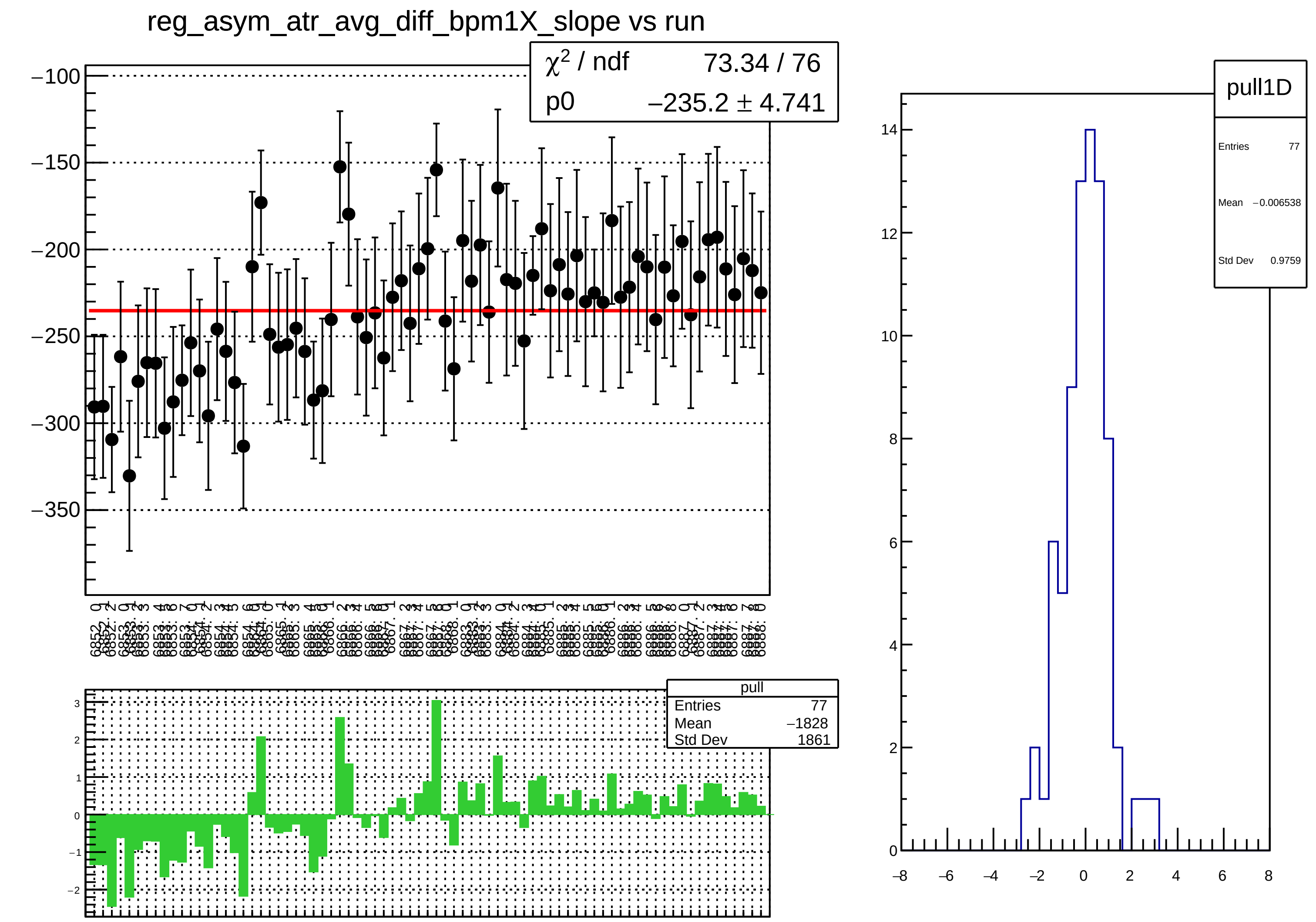
reg_asym_atl_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 26.24 / 76
p0 −166.7 ± 4.546
pull
Entries 77
Mean −1382
Std Dev 1415
pull1D
Entries 77
Mean −0.00483
Std Dev 0.5838



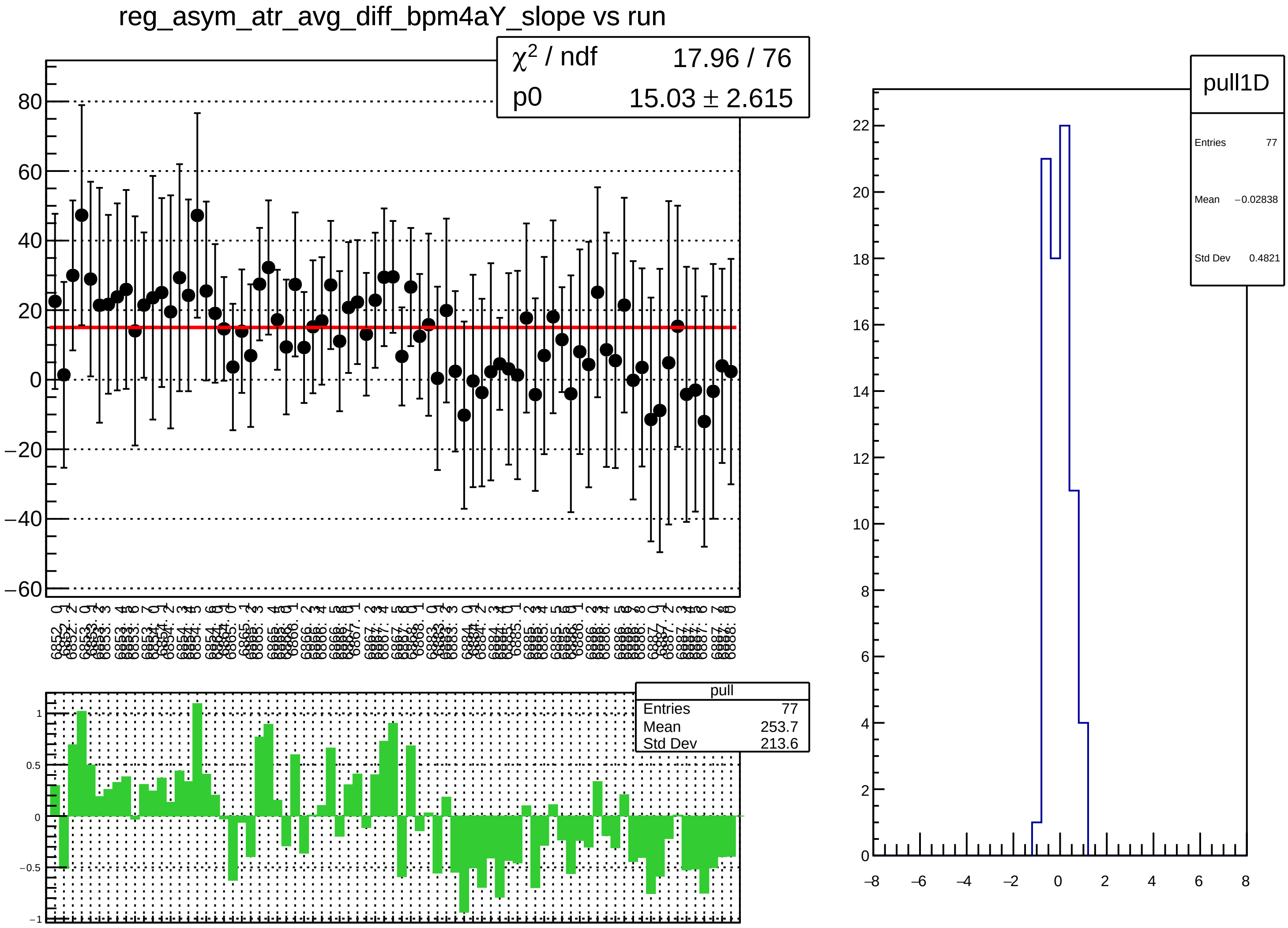
reg_asym_atl_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 11.55 / 76
p0 −77.05 ± 3.428
pull
Entries 77
Mean −145.8
Std Dev 170.2
pull1D
Entries 77
Mean −0.008815
Std Dev 0.3873



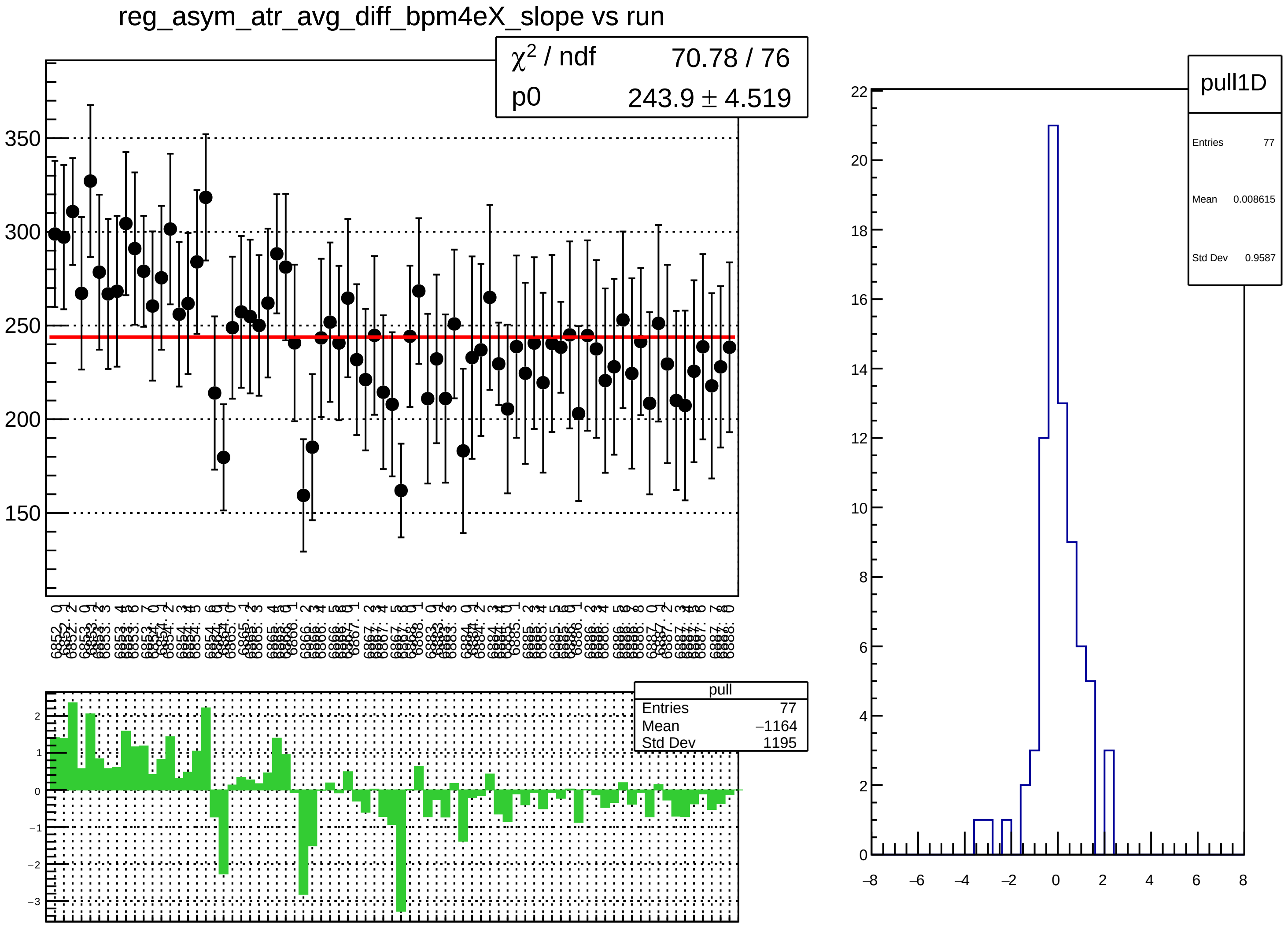
reg_asym_atl_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 13.24 / 76
p0 134.9 ± 0.1967
pull
Entries 77
Mean 242.2
Std Dev 206.3
pull1D
Entries 77
Mean 0.009408
Std Dev 0.4145



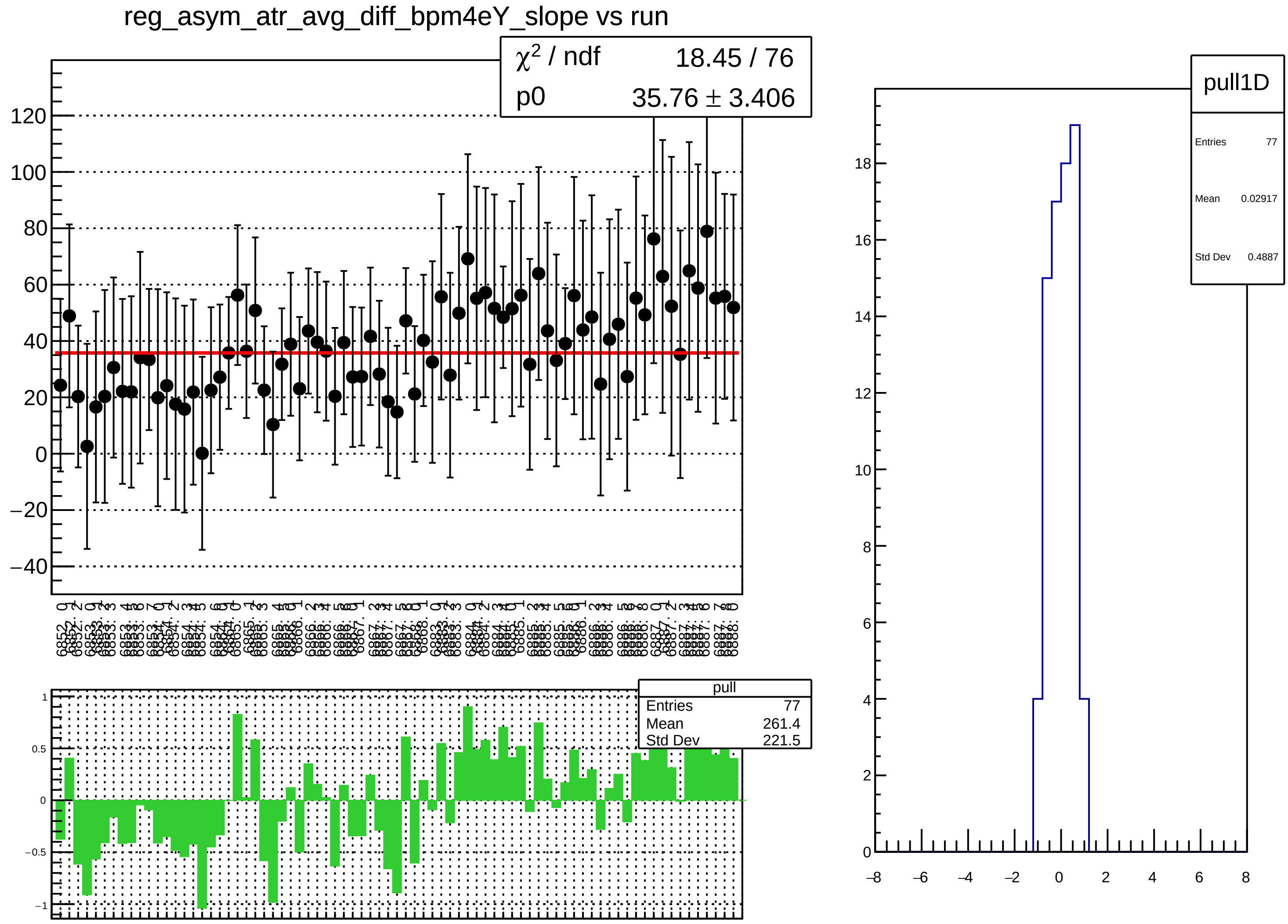
reg_asym_atr_avg_diff_bpm1X_slope vs run
χ2 / ndf 73.34 / 76
p0 −235.2 ± 4.741
pull
Entries 77
Mean −1828
Std Dev 1861
pull1D
Entries 77
Mean −0.006538
Std Dev 0.9759

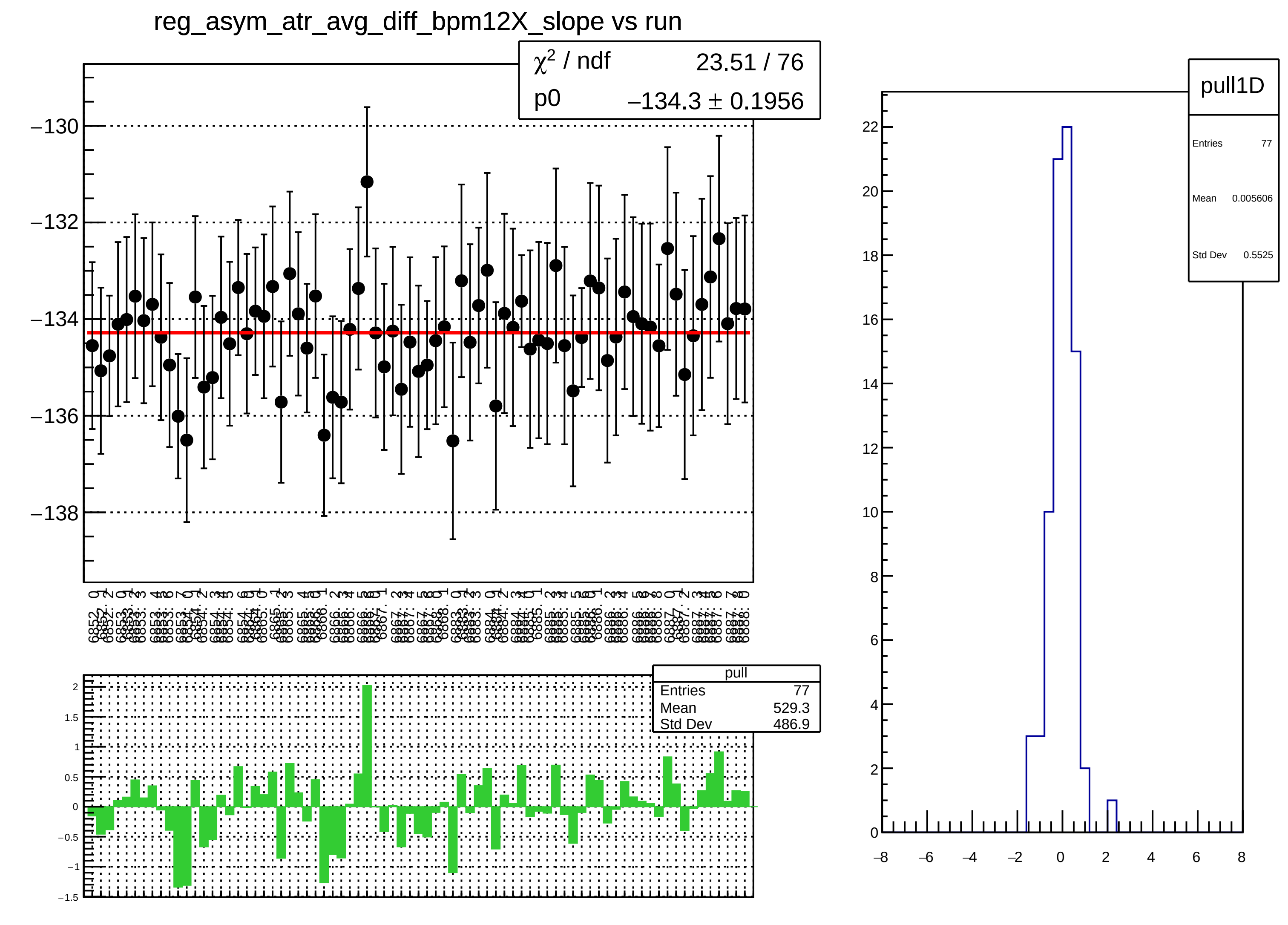


reg_asym_atr_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 17.96 / 76
p0 15.03 ± 2.615
pull
Entries 77
Mean 253.7
Std Dev 213.6
pull1D
Entries 77
Mean −0.02838
Std Dev 0.4821

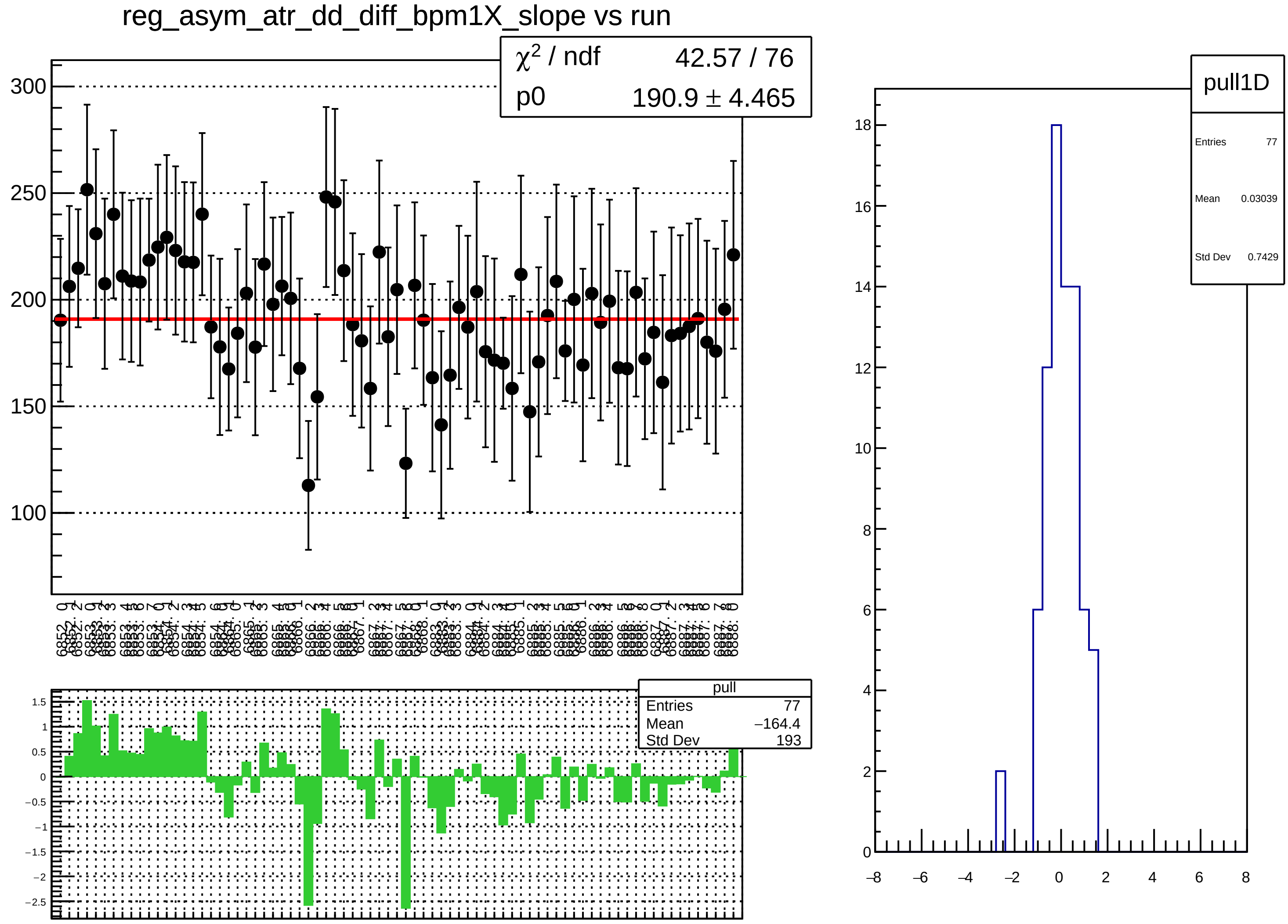


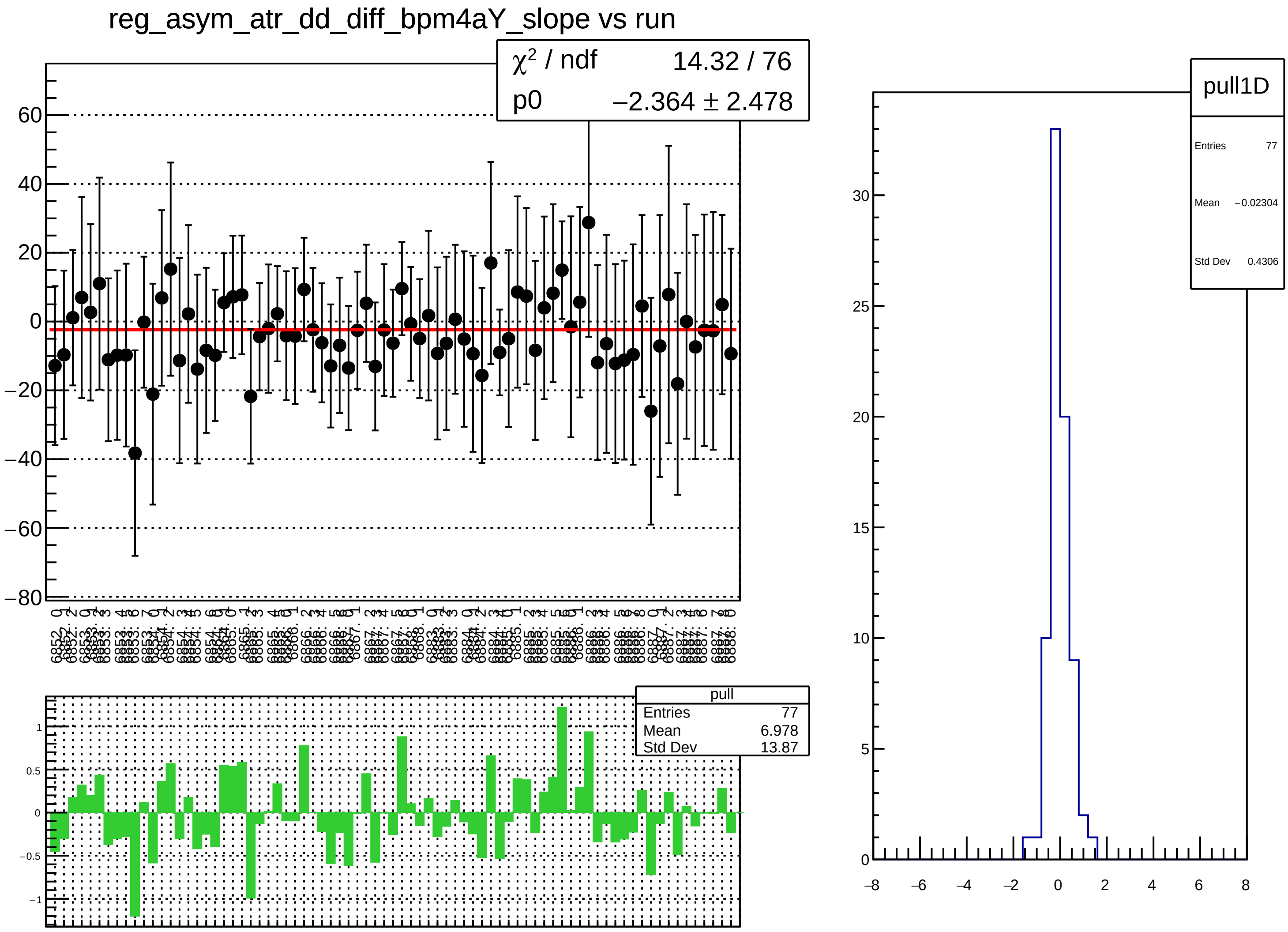
reg_asym_atr_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 70.78 / 76
p0 243.9 ± 4.519
350
300
250
200
150
pull
Entries 77
Mean −1164
Std Dev 1195
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean 0.008615
Std Dev 0.9587
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

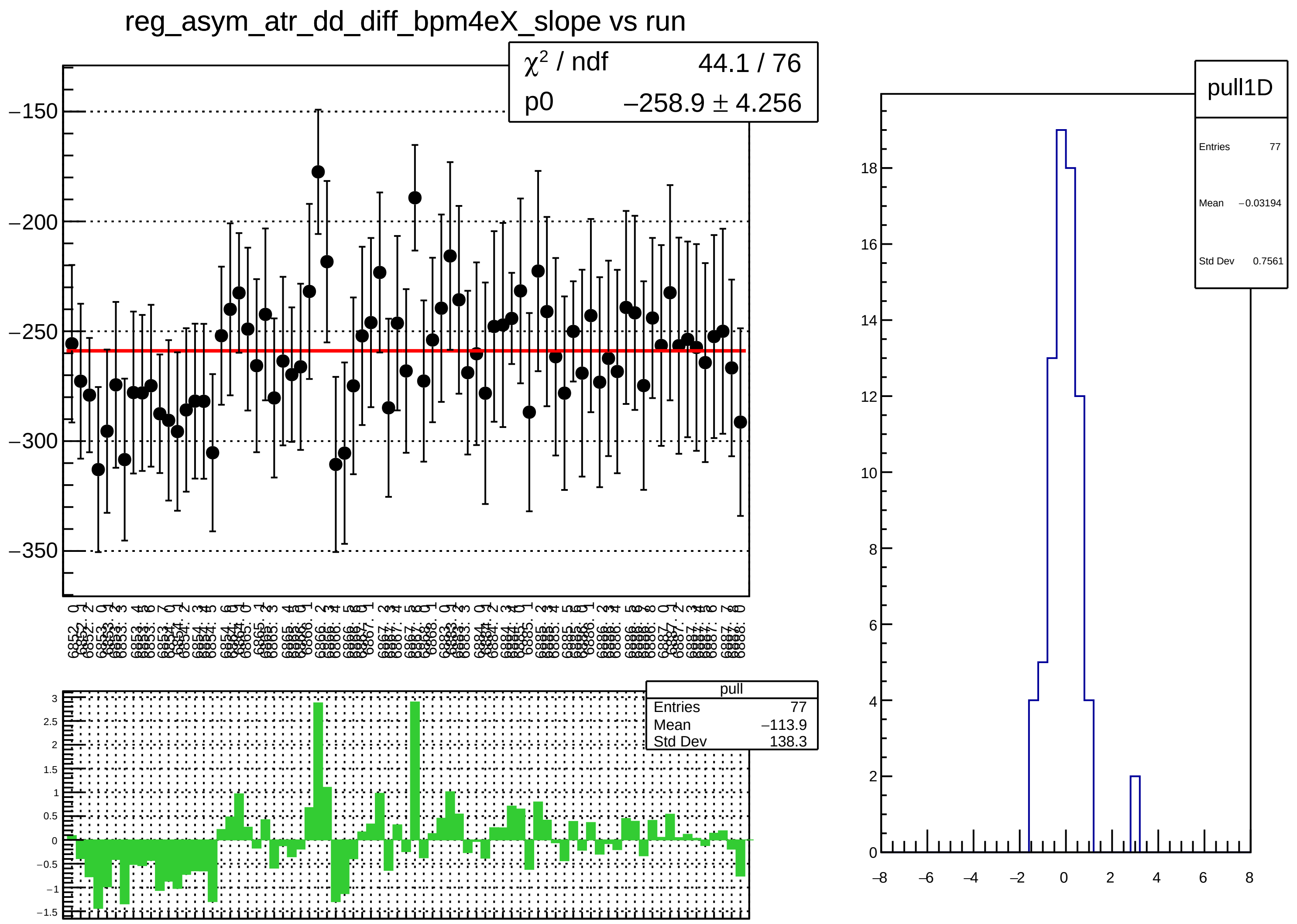

reg_asym_atr_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 18.45 / 76
p0 35.76 ± 3.406
pull
Entries 77
Mean 261.4
Std Dev 221.5
pull1D
Entries 77
Mean 0.02917
Std Dev 0.4887



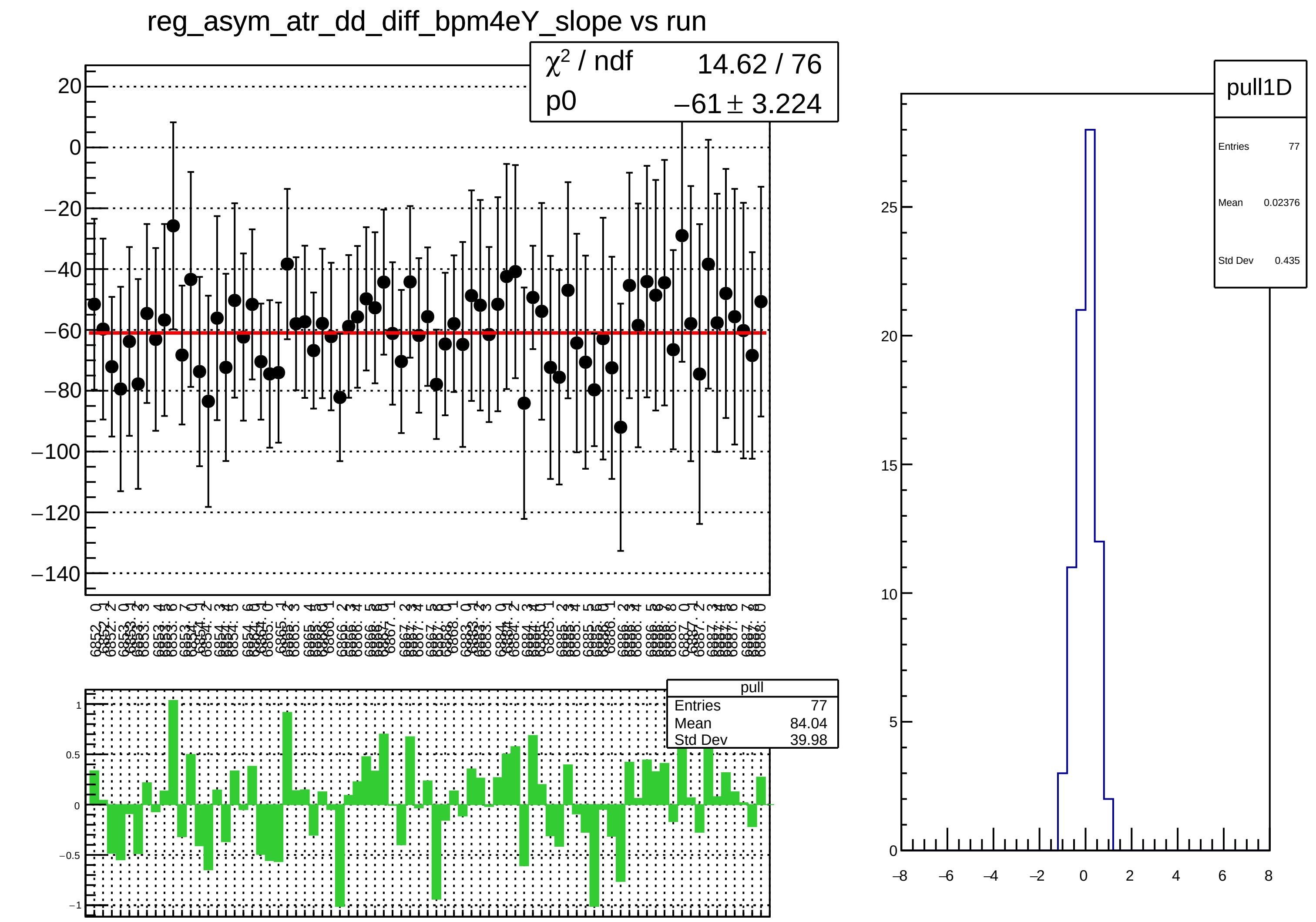
reg_asym_atr_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 23.51 / 76
p0 −134.3 ± 0.1956
pull
Entries 77
Mean 529.3
Std Dev 486.9
pull1D
Entries 77
Mean 0.005606
Std Dev 0.5525


reg_asym_atr_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 42.57 / 76
p0 190.9 ± 4.465
pull
Entries 77
Mean −164.4
Std Dev 193
pull1D
Entries 77
Mean 0.03039
Std Dev 0.7429

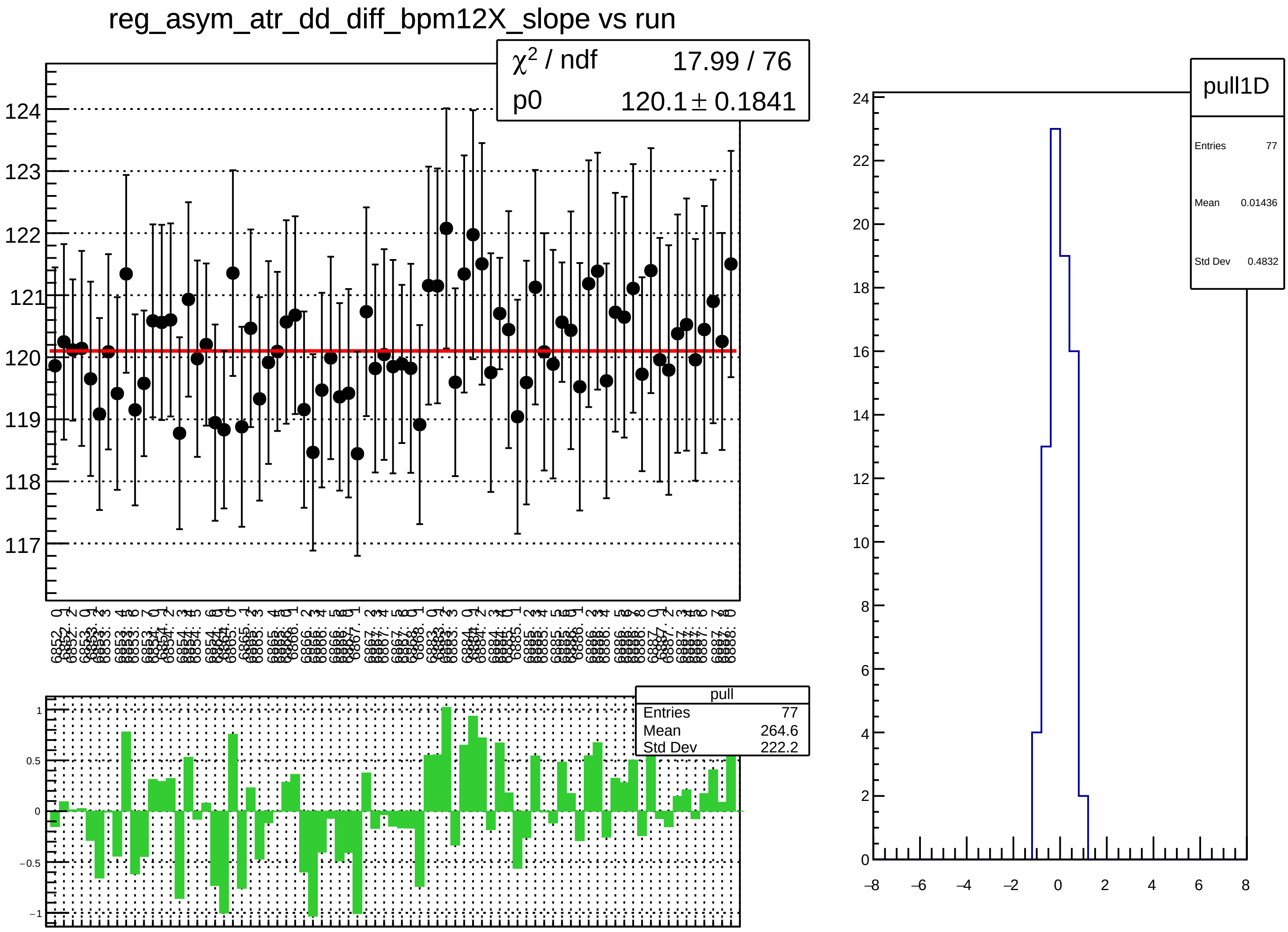

reg_asym_atr_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 14.32 / 76
p0 −2.364 ± 2.478
pull
Entries 77
Mean 6.978
Std Dev 13.87
pull1D
Entries 77
Mean −0.02304
Std Dev 0.4306



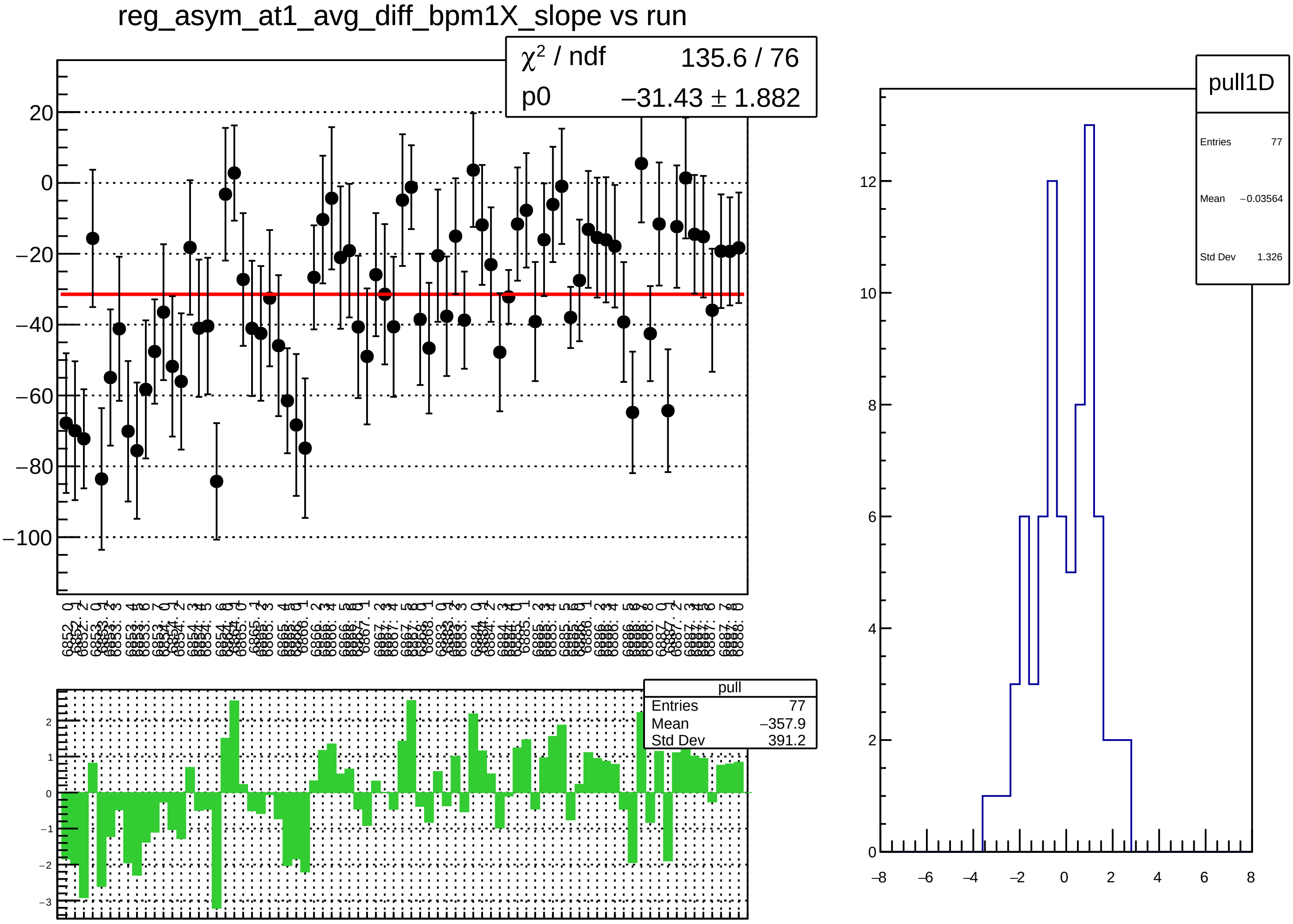
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ2 / ndf 44.1 / 76
p0 −258.9 ± 4.256
−150
−200
−250
−300
−350
pull
Entries 77
Mean −113.9
Std Dev 138.3
pull1D
Entries 77
Mean −0.03194
Std Dev 0.7561



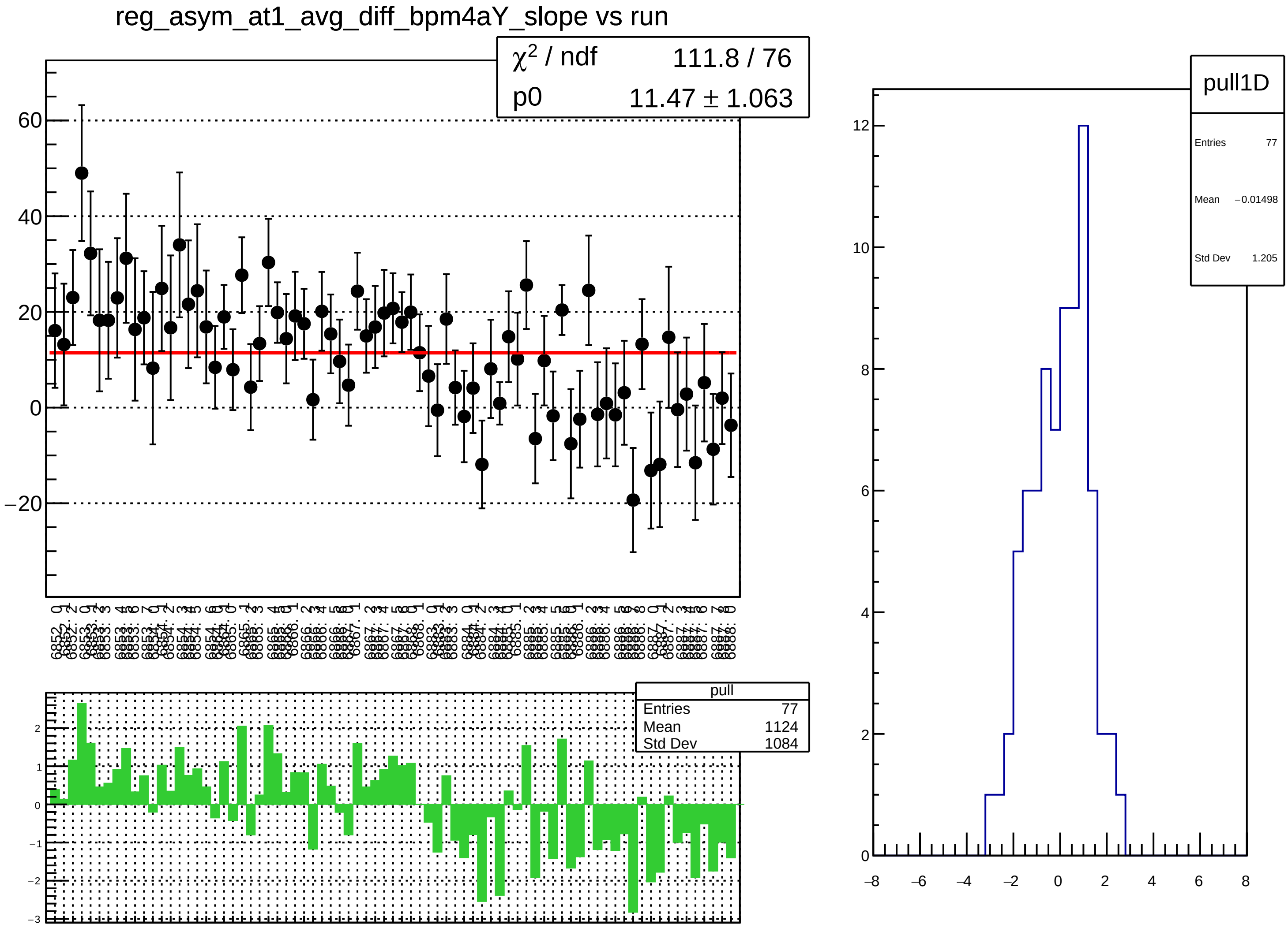
reg_asym_atr_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 14.62 / 76
p0 −61 ± 3.224
pull
Entries 77
Mean 84.04
Std Dev 39.98
pull1D
Entries 77
Mean 0.02376
Std Dev 0.435



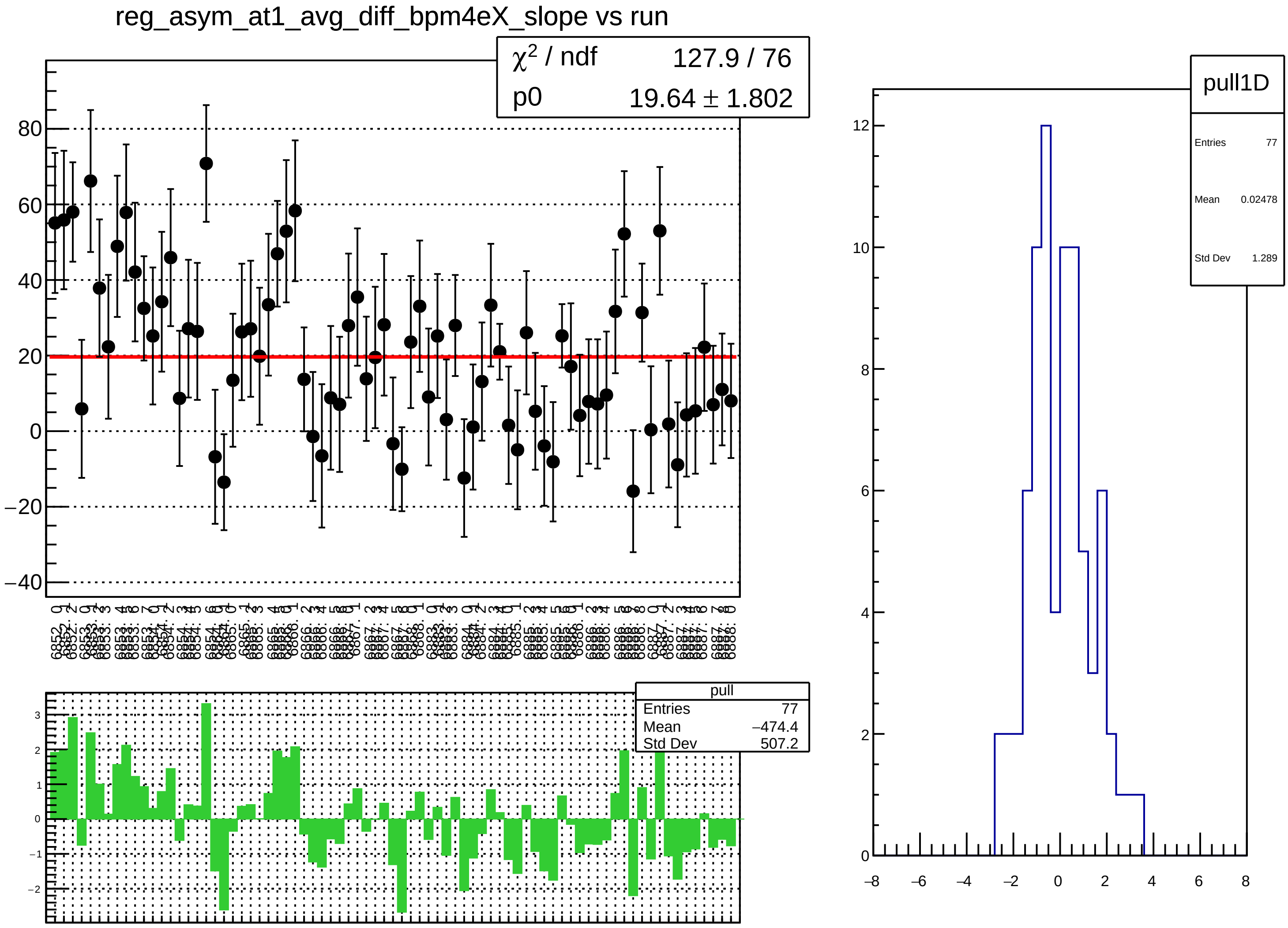
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ2 / ndf 17.99 / 76
p0 120.1 ± 0.1841
pull
Entries 77
Mean 264.6
Std Dev 222.2
pull1D
Entries 77
Mean 0.01436
Std Dev 0.4832



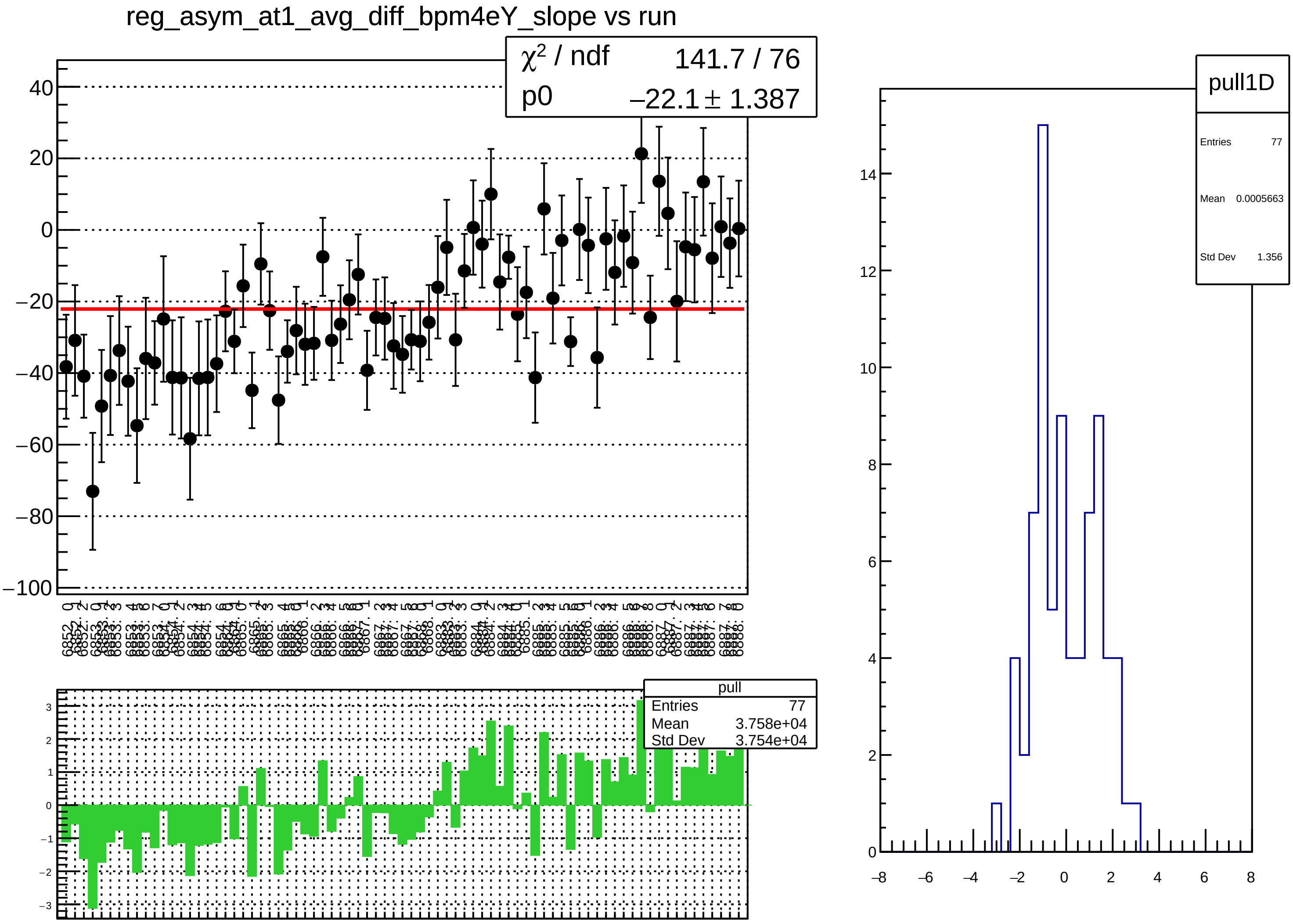
reg_asym_at1_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 135.6 / 76
p0 −31.43 ± 1.882
pull
Entries 77
Mean −357.9
Std Dev 391.2
pull1D
Entries 77
Mean −0.03564
Std Dev 1.326



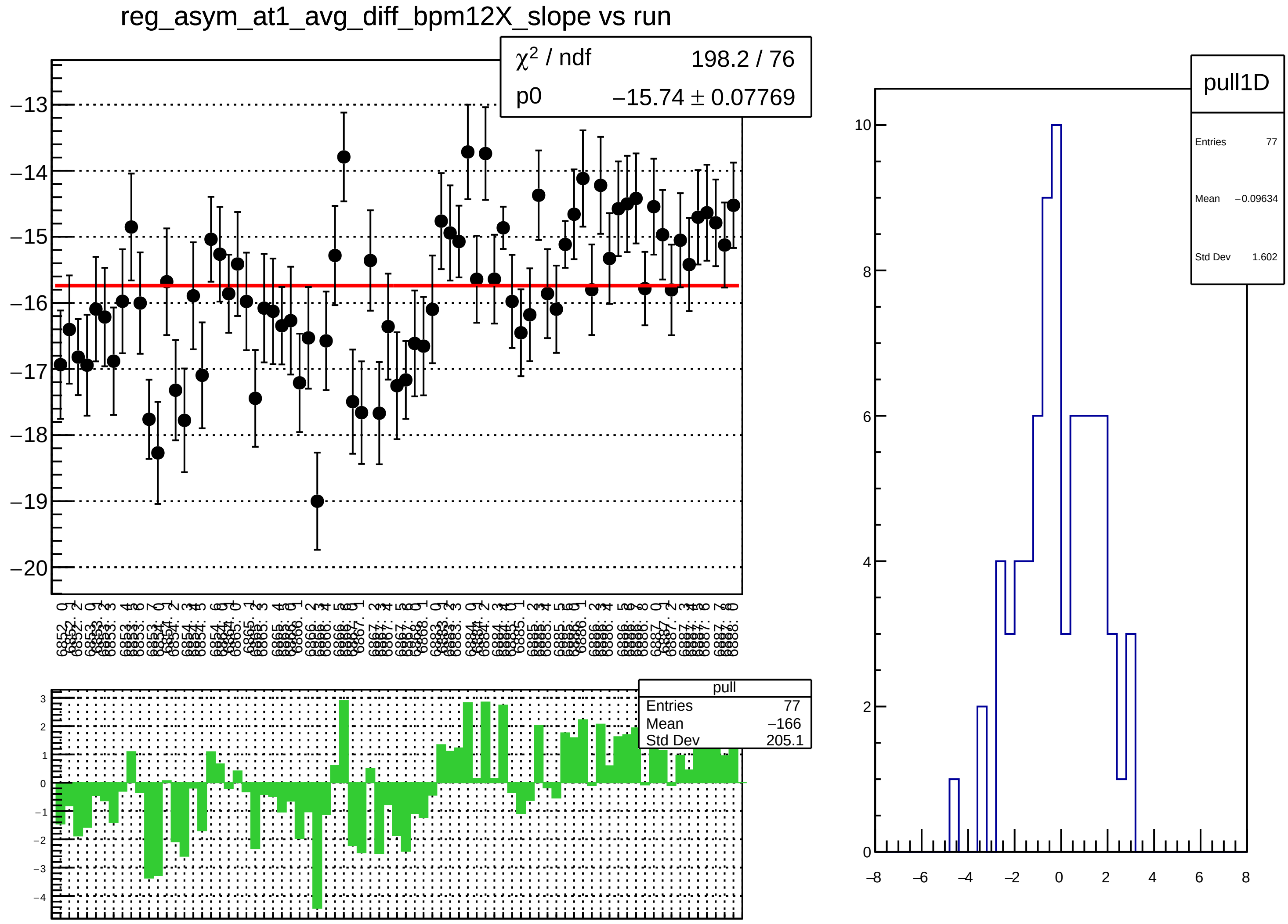
reg_asym_at1_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 111.8 / 76
p0 11.47 ± 1.063
pull
Entries 77
Mean 1124
Std Dev 1084
pull1D
Entries 77
Mean −0.01498
Std Dev 1.205



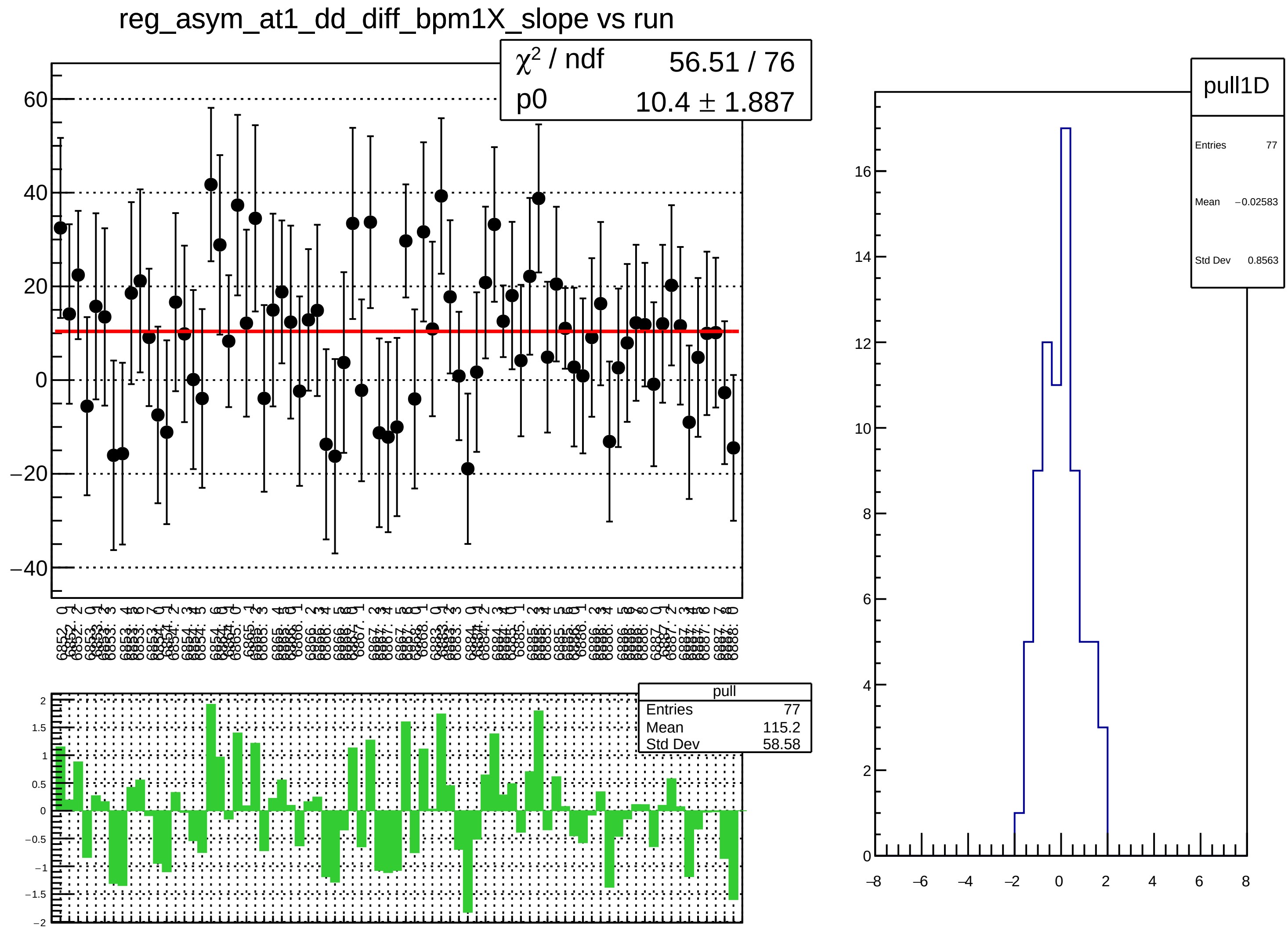
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ2 / ndf 127.9 / 76
p0 19.64 ± 1.802
80
60
40
20
0
−20
−40
pull
Entries 77
Mean −474.4
Std Dev 507.2
3
2
1
0
−1
−2
pull1D
Entries 77
Mean 0.02478
Std Dev 1.289
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



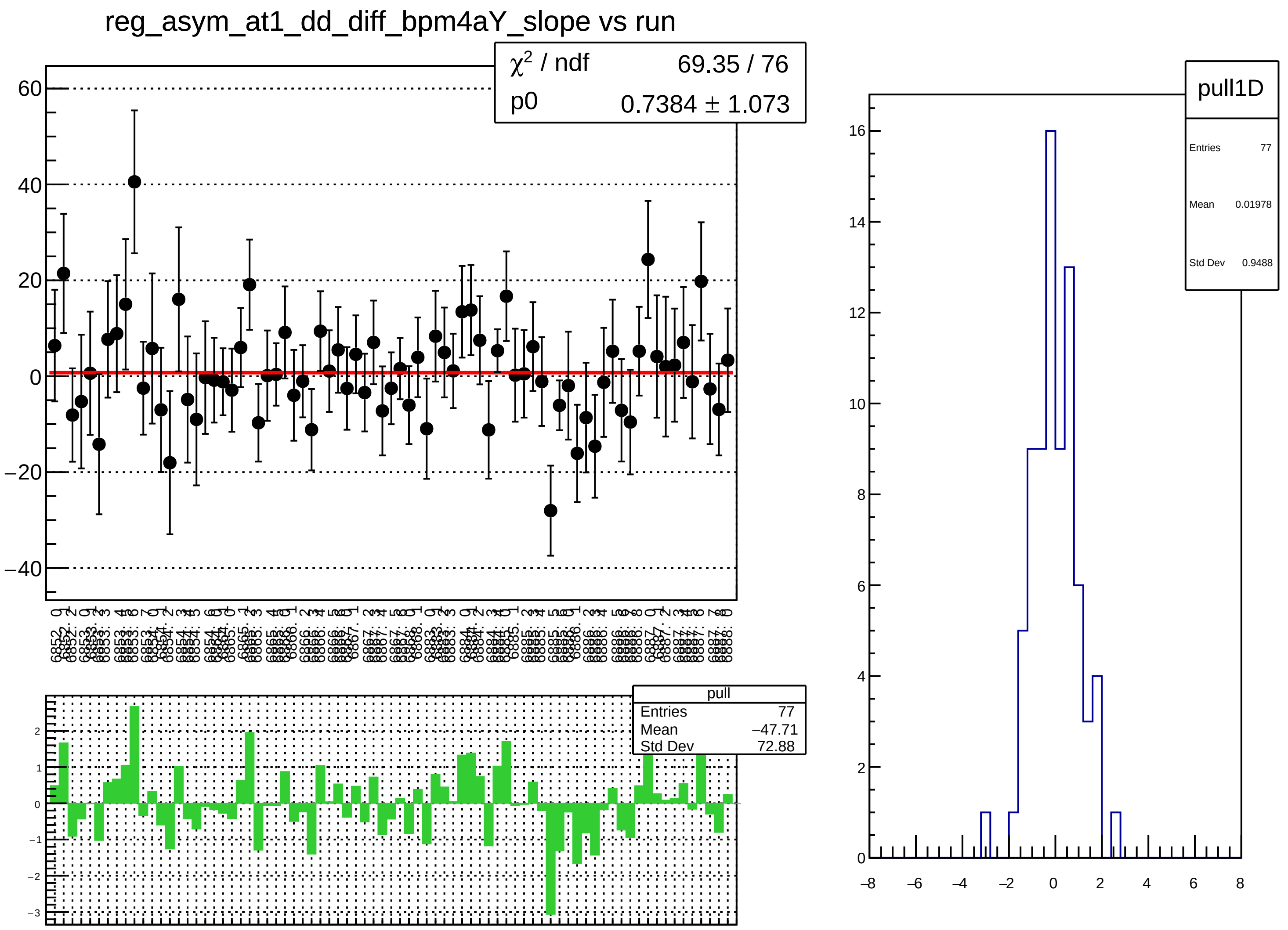
reg_asym_at1_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 141.7 / 76
p0 −22.1 ± 1.387
pull
Entries 77
Mean 3.758e+04
Std Dev 3.754e+04
pull1D
Entries 77
Mean 0.0005663
Std Dev 1.356



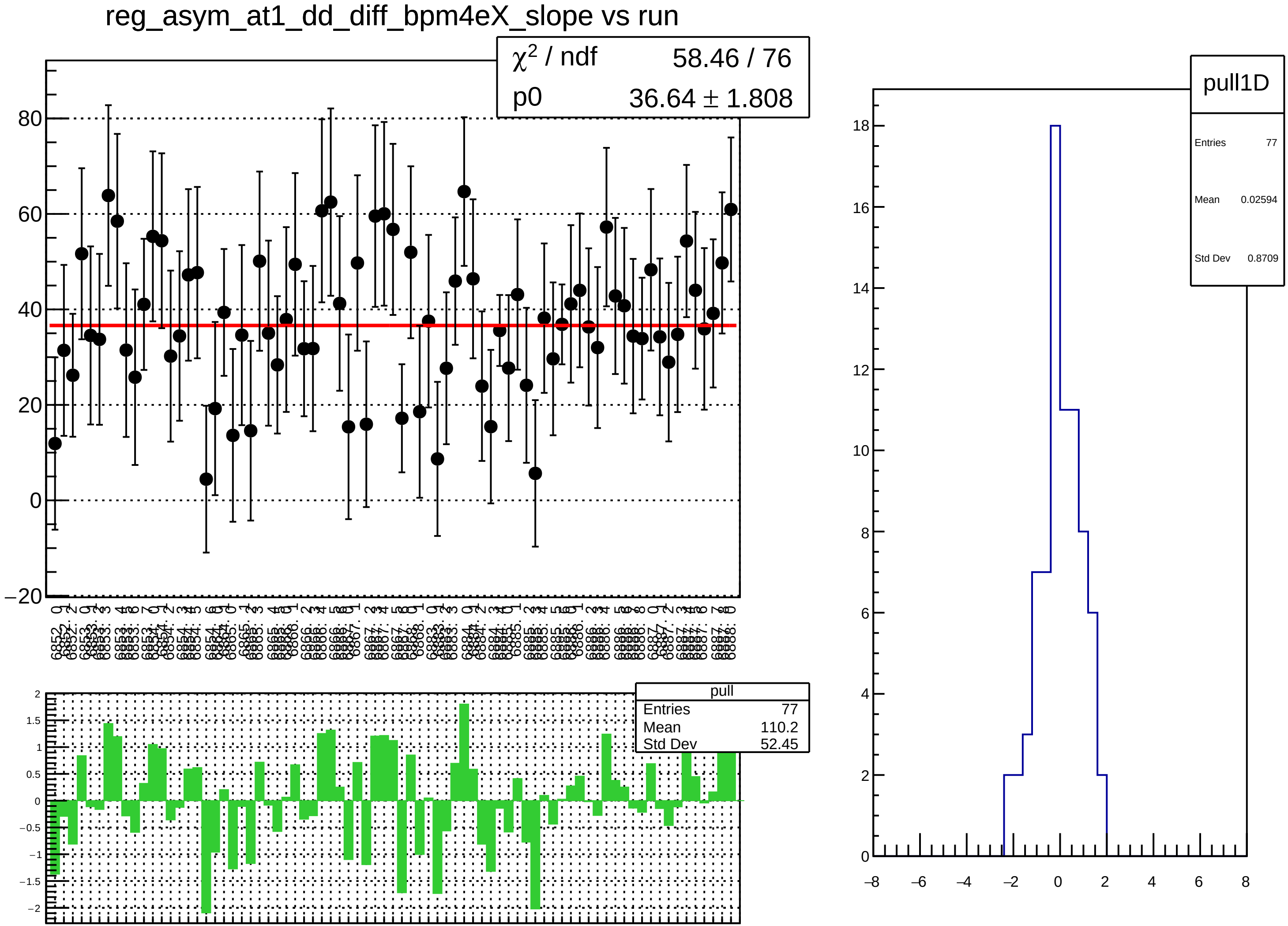
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ2 / ndf 198.2 / 76
p0 −15.74 ± 0.07769
pull
Entries 77
Mean −166
Std Dev 205.1
pull1D
Entries 77
Mean −0.09634
Std Dev 1.602



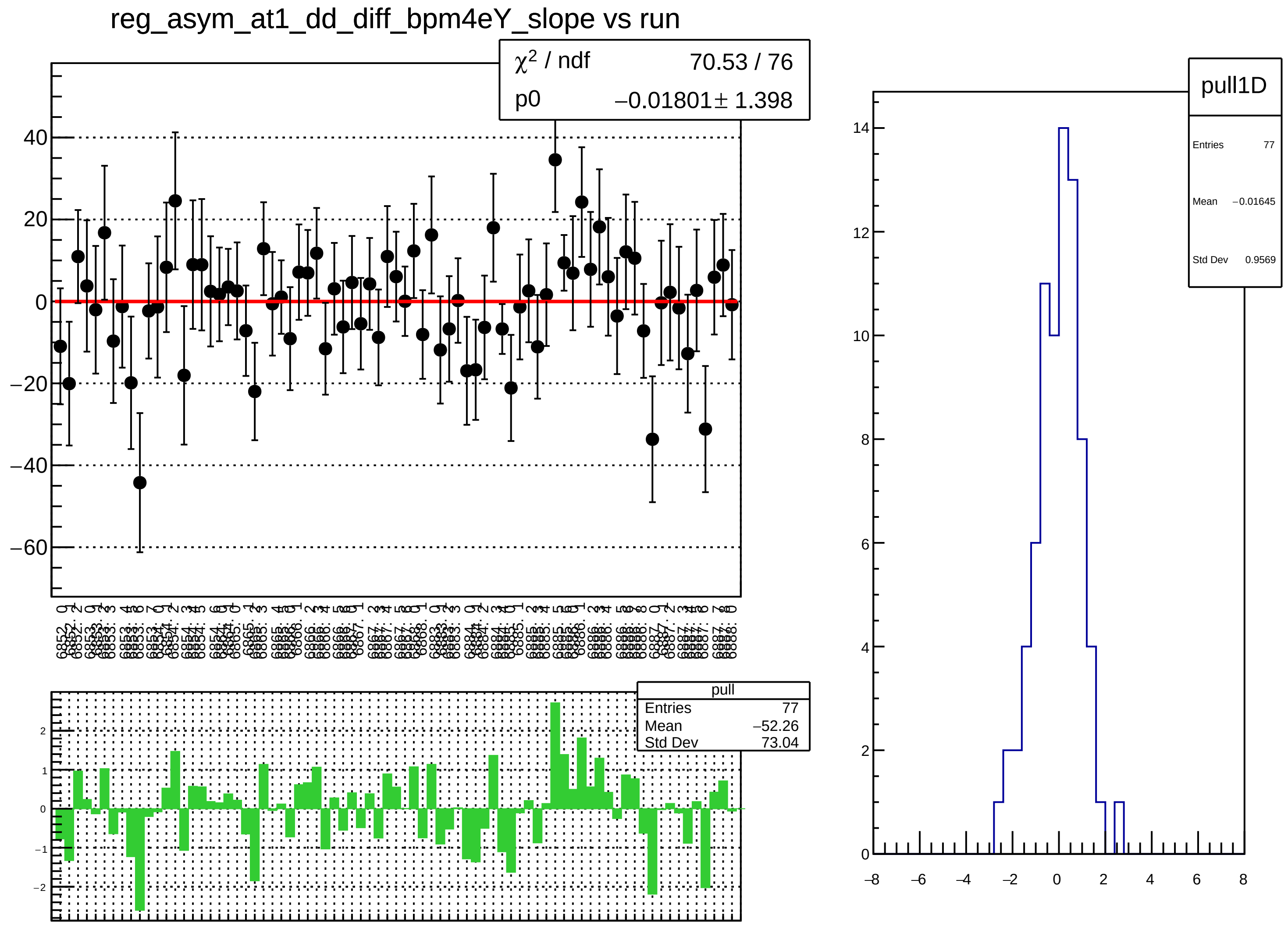
reg_asym_at1_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 56.51 / 76
p0 10.4 ± 1.887
pull
Entries 77
Mean 115.2
Std Dev 58.58
pull1D
Entries 77
Mean −0.02583
Std Dev 0.8563



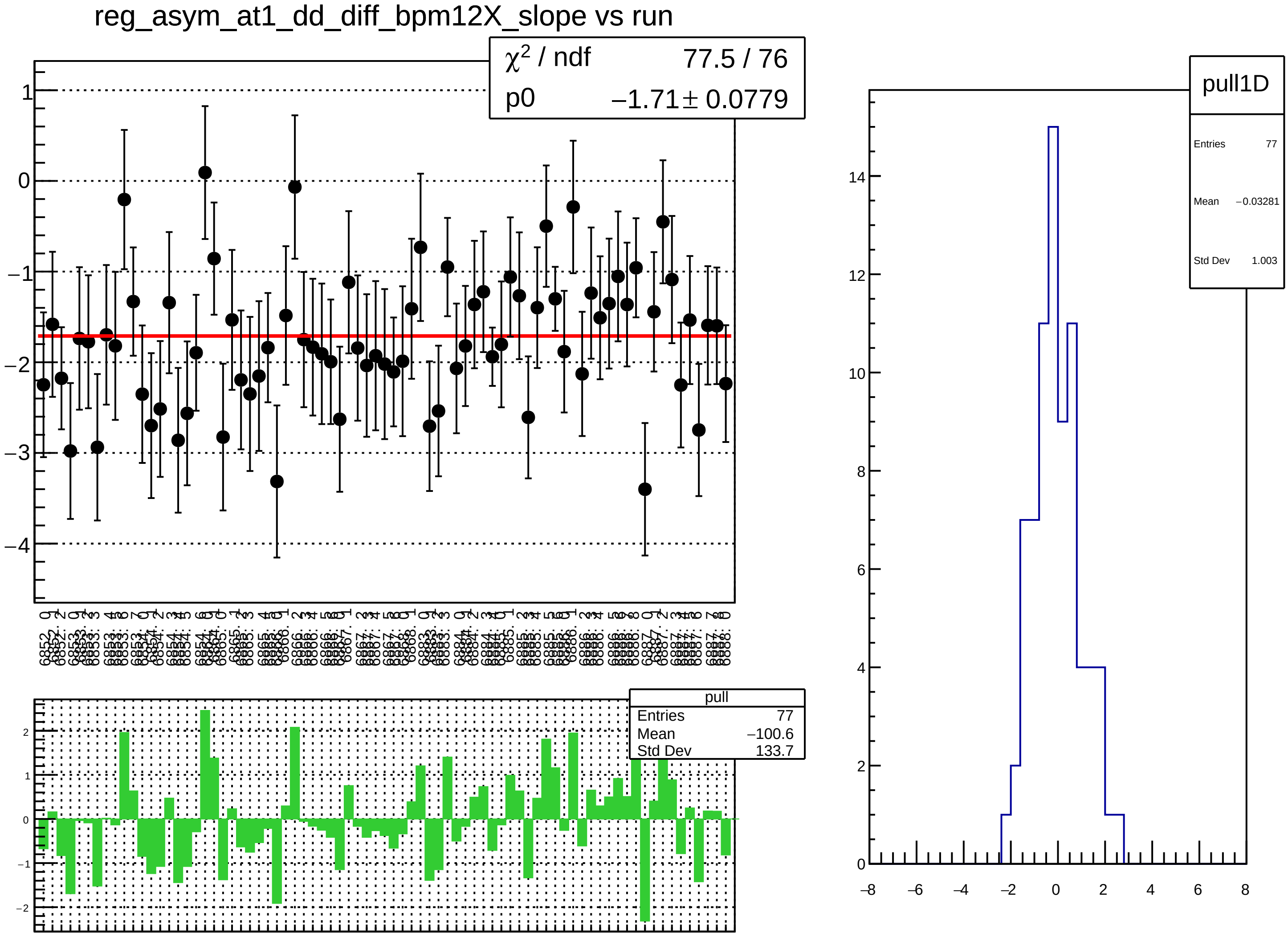
reg_asym_at1_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 69.35 / 76
p0 0.7384 ± 1.073
pull
Entries 77
Mean −47.71
Std Dev 72.88
pull1D
Entries 77
Mean 0.01978
Std Dev 0.9488



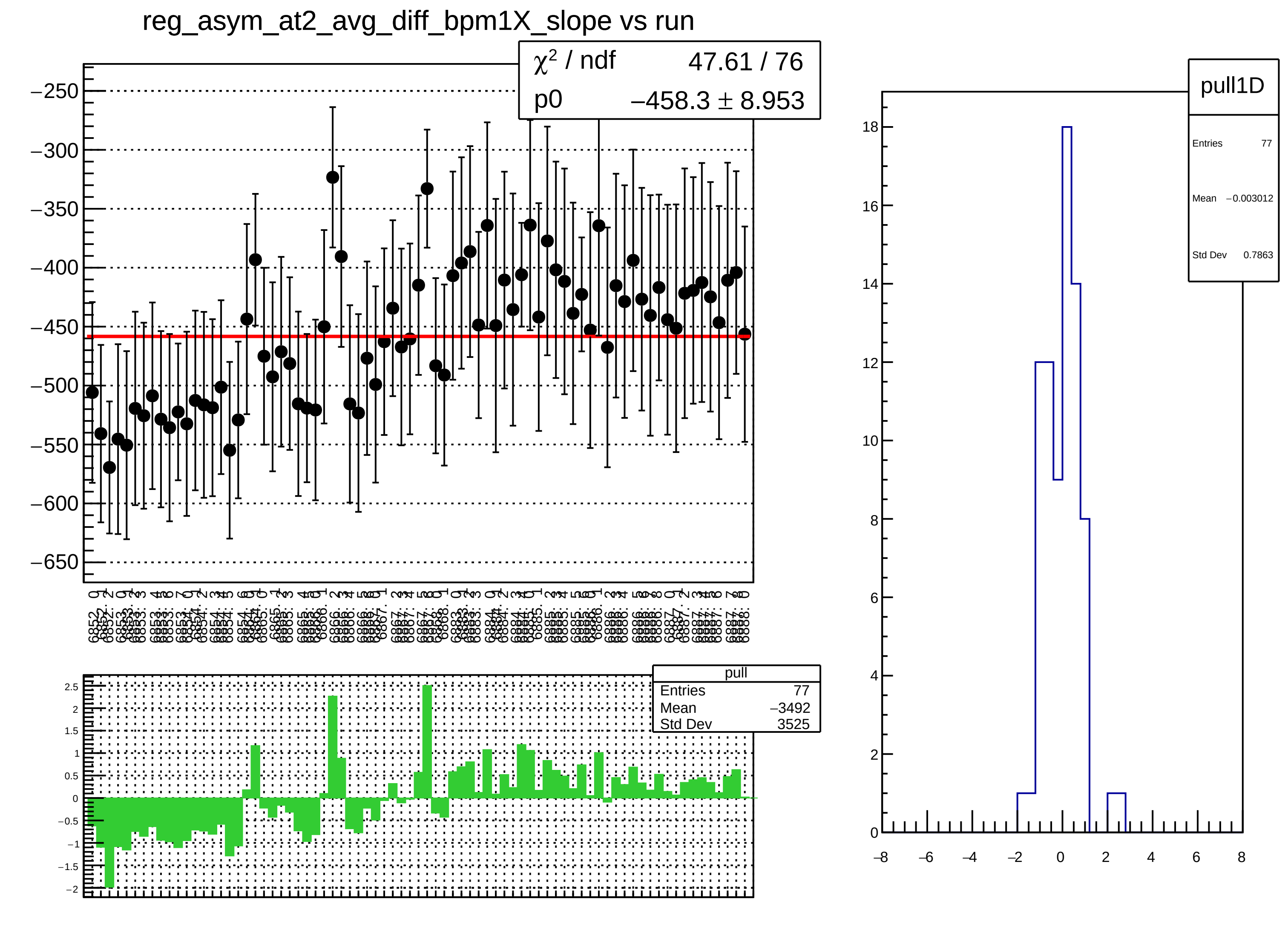
reg_asym_at1_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 58.46 / 76
p0 36.64 ± 1.808
pull
Entries 77
Mean 110.2
Std Dev 52.45
pull1D
Entries 77
Mean 0.02594
Std Dev 0.8709



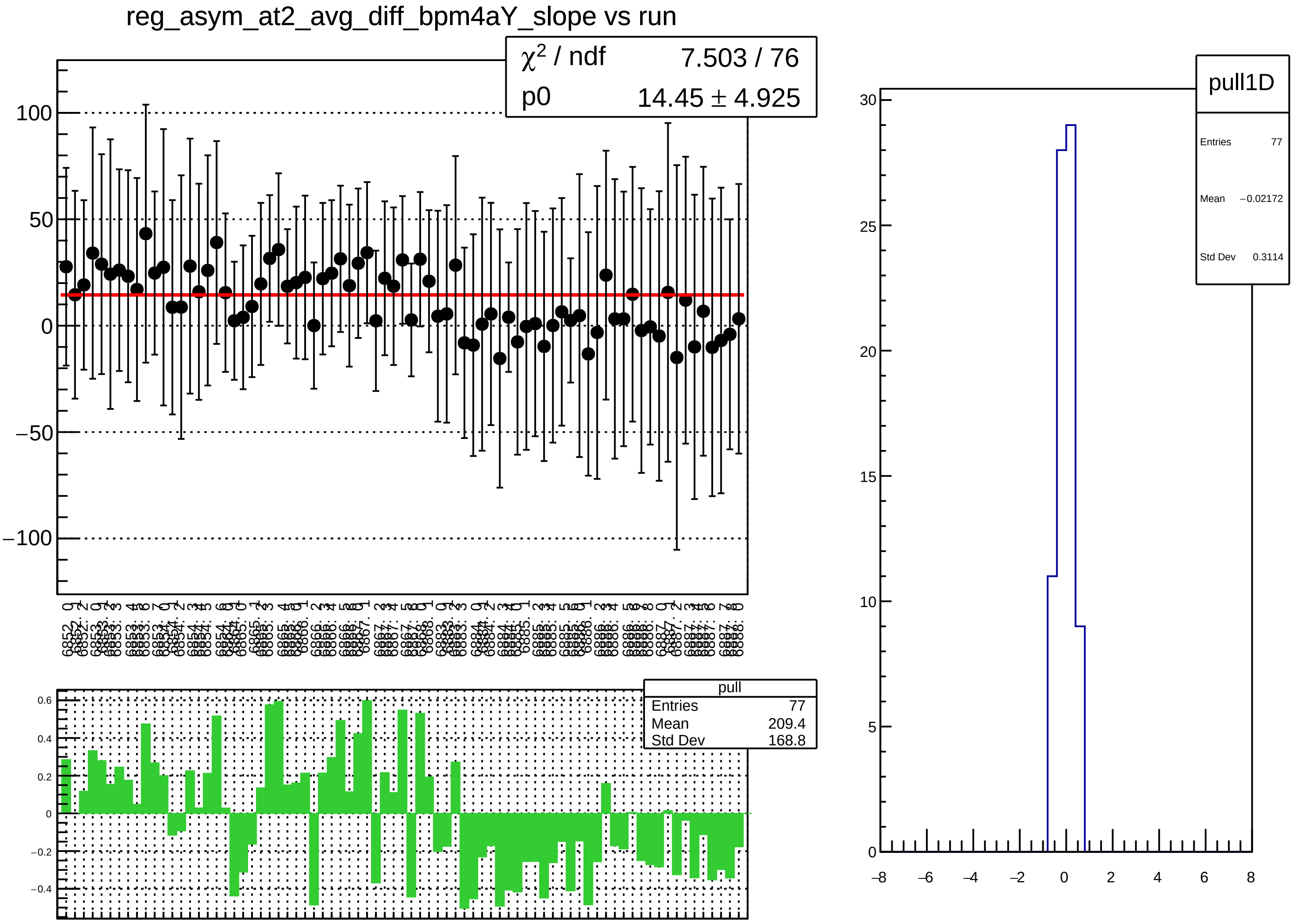
reg_asym_at1_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 70.53 / 76
p0 −0.01801 ± 1.398
pull
Entries 77
Mean −52.26
Std Dev 73.04
pull1D
Entries 77
Mean −0.01645
Std Dev 0.9569

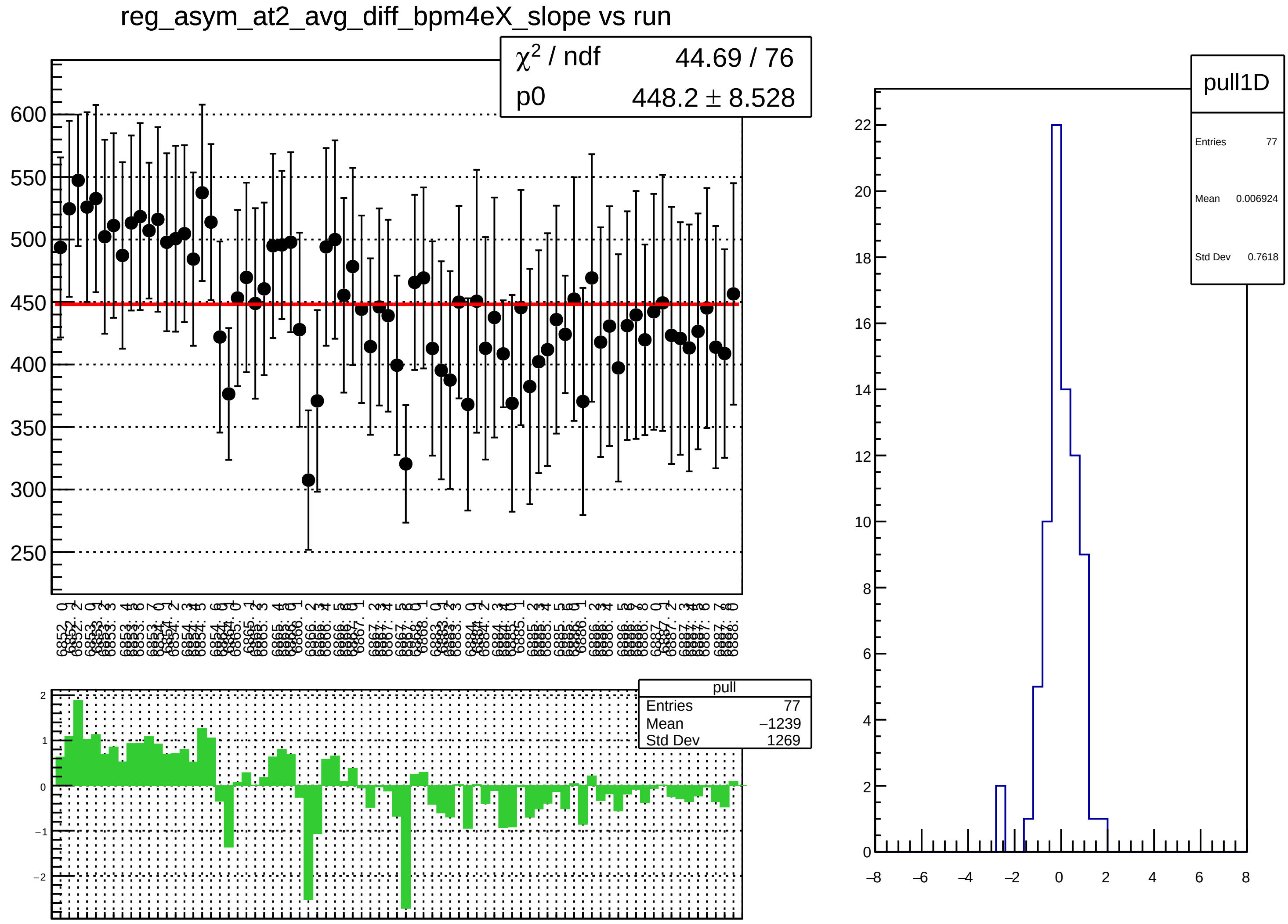


reg_asym_at1_dd_diff_bpm12X_slope vs run
χ2 / ndf 77.5 / 76
p0 −1.71 ± 0.0779
pull
Entries 77
Mean −100.6
Std Dev 133.7
pull1D
Entries 77
Mean −0.03281
Std Dev 1.003



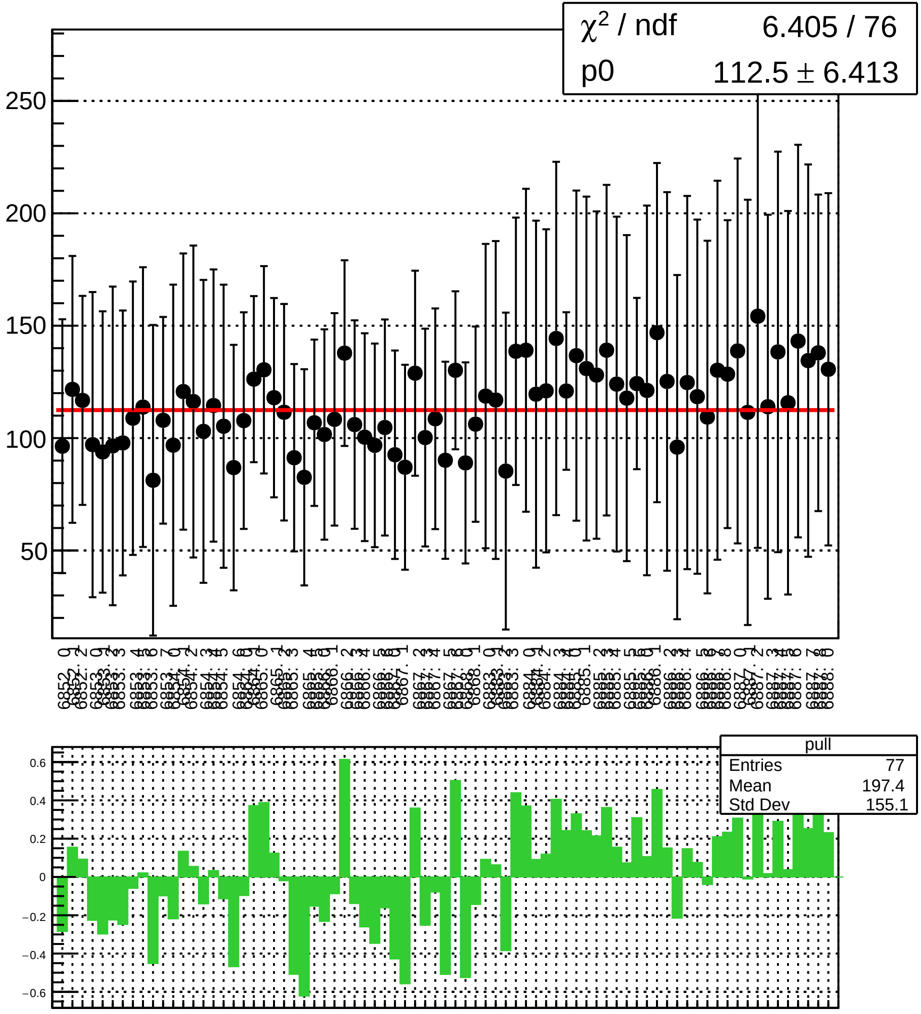
reg_asym_at2_avg_diff_bpm1X_slope vs run
χ2 / ndf 47.61 / 76
p0 −458.3 ± 8.953
pull
Entries 77
Mean −3492
Std Dev 3525
pull1D
Entries 77
Mean −0.003012
Std Dev 0.7863

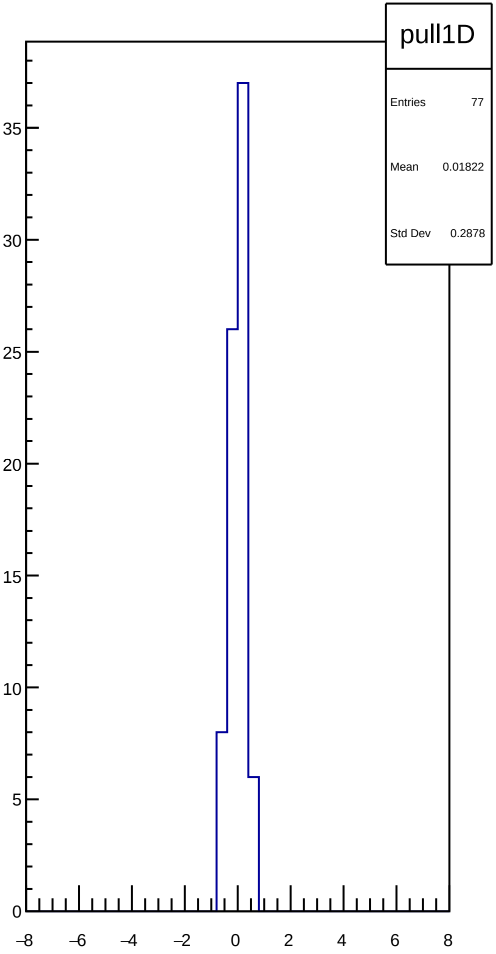

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 7.503 / 76
p0 14.45 ± 4.925
pull
Entries 77
Mean 209.4
Std Dev 168.8
pull1D
Entries 77
Mean −0.02172
Std Dev 0.3114

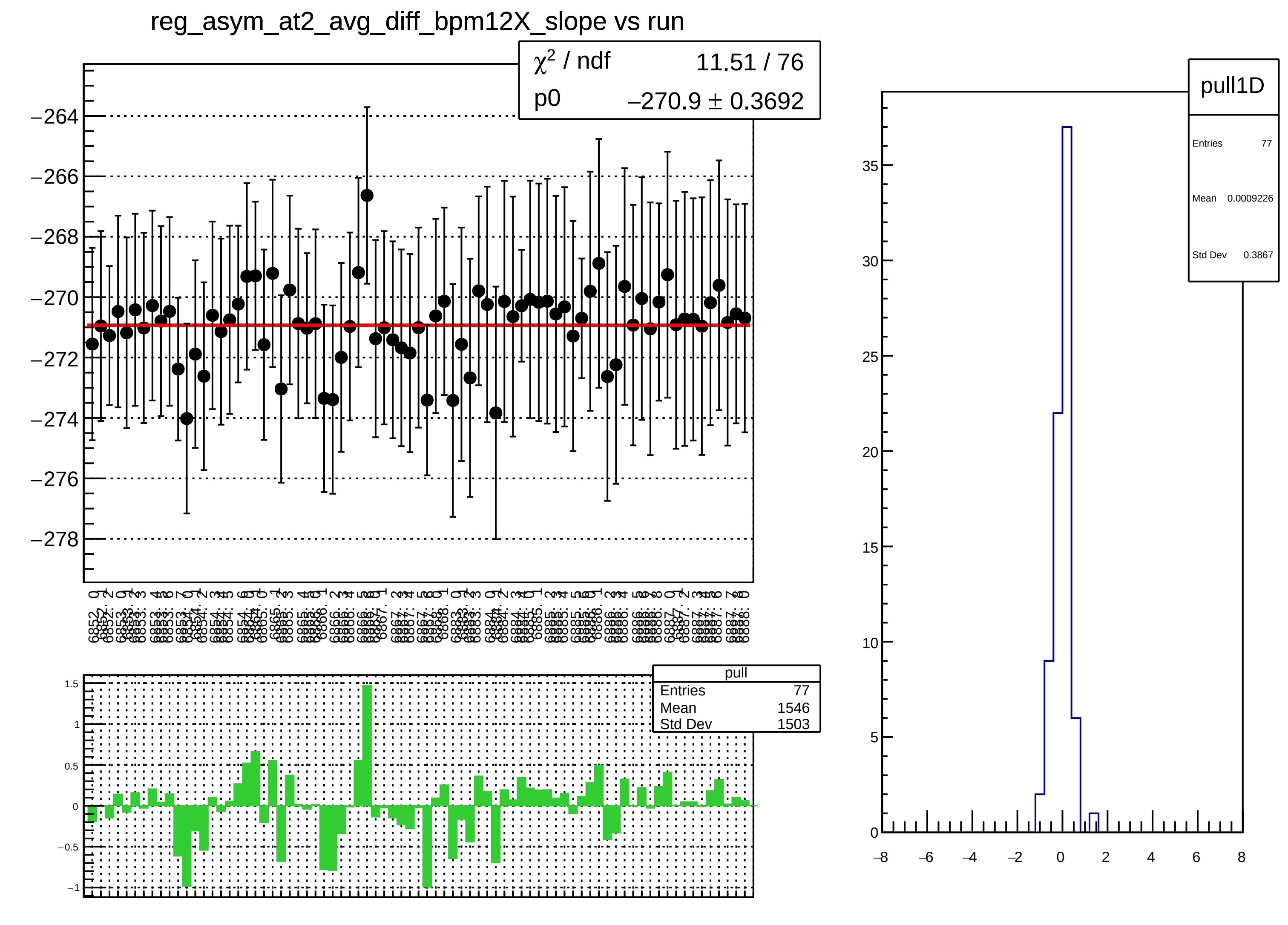


reg_asym_at2_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 44.69 / 76
p0 448.2 ± 8.528
pull
Entries 77
Mean −1239
Std Dev 1269
pull1D
Entries 77
Mean 0.006924
Std Dev 0.7618

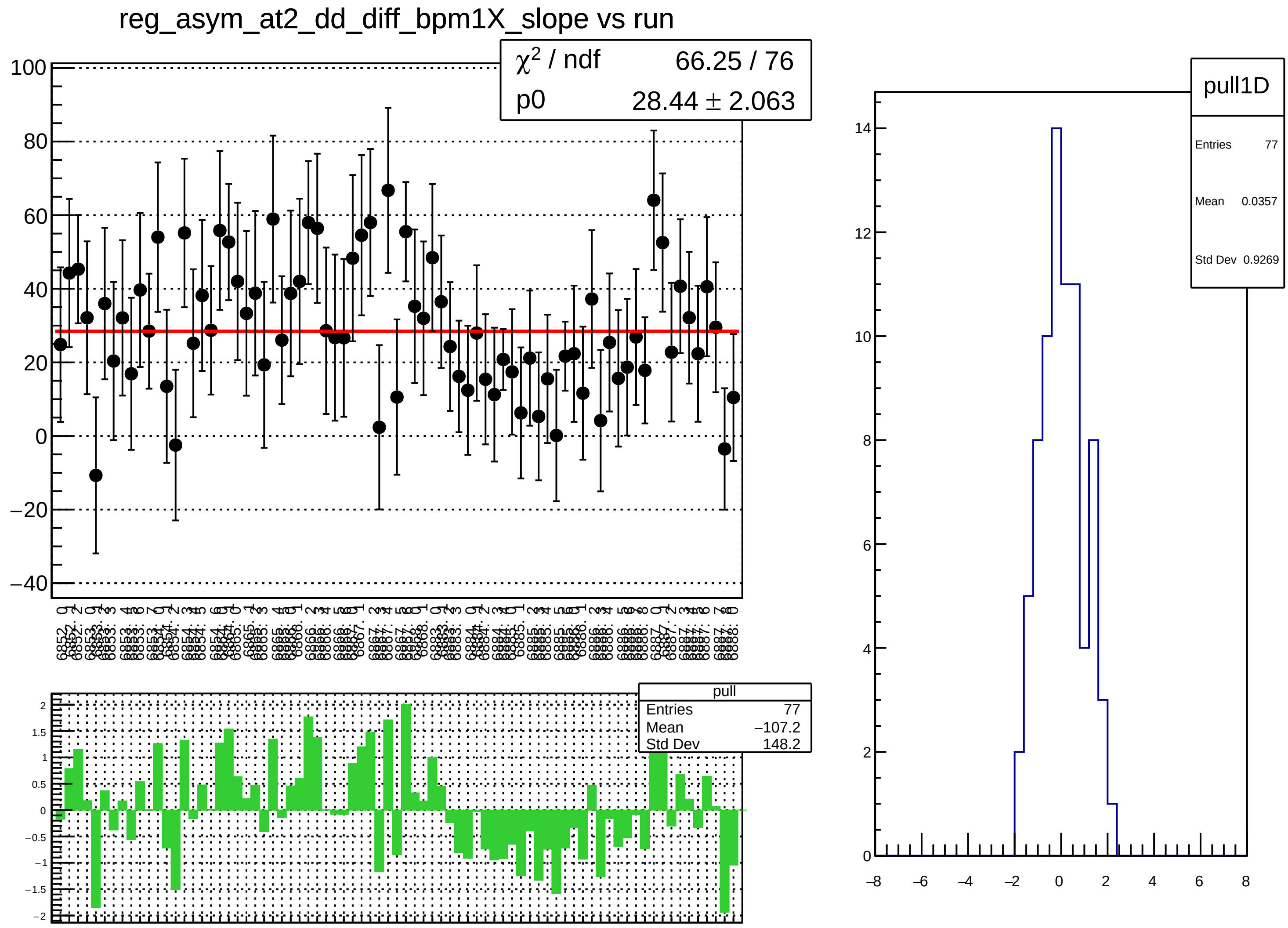
reg_asym_at2_avg_diff_bpm4eY_slope vs run



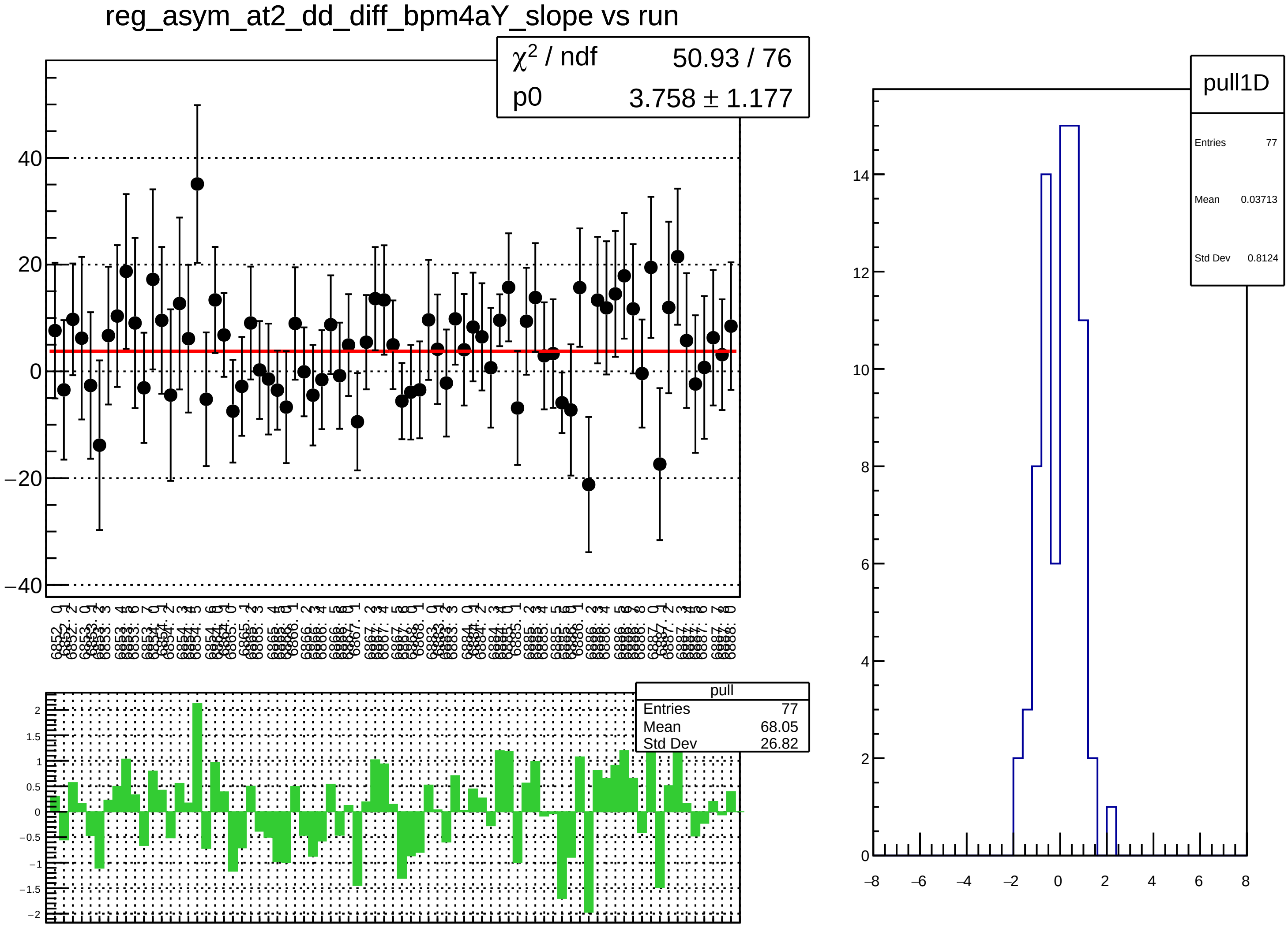



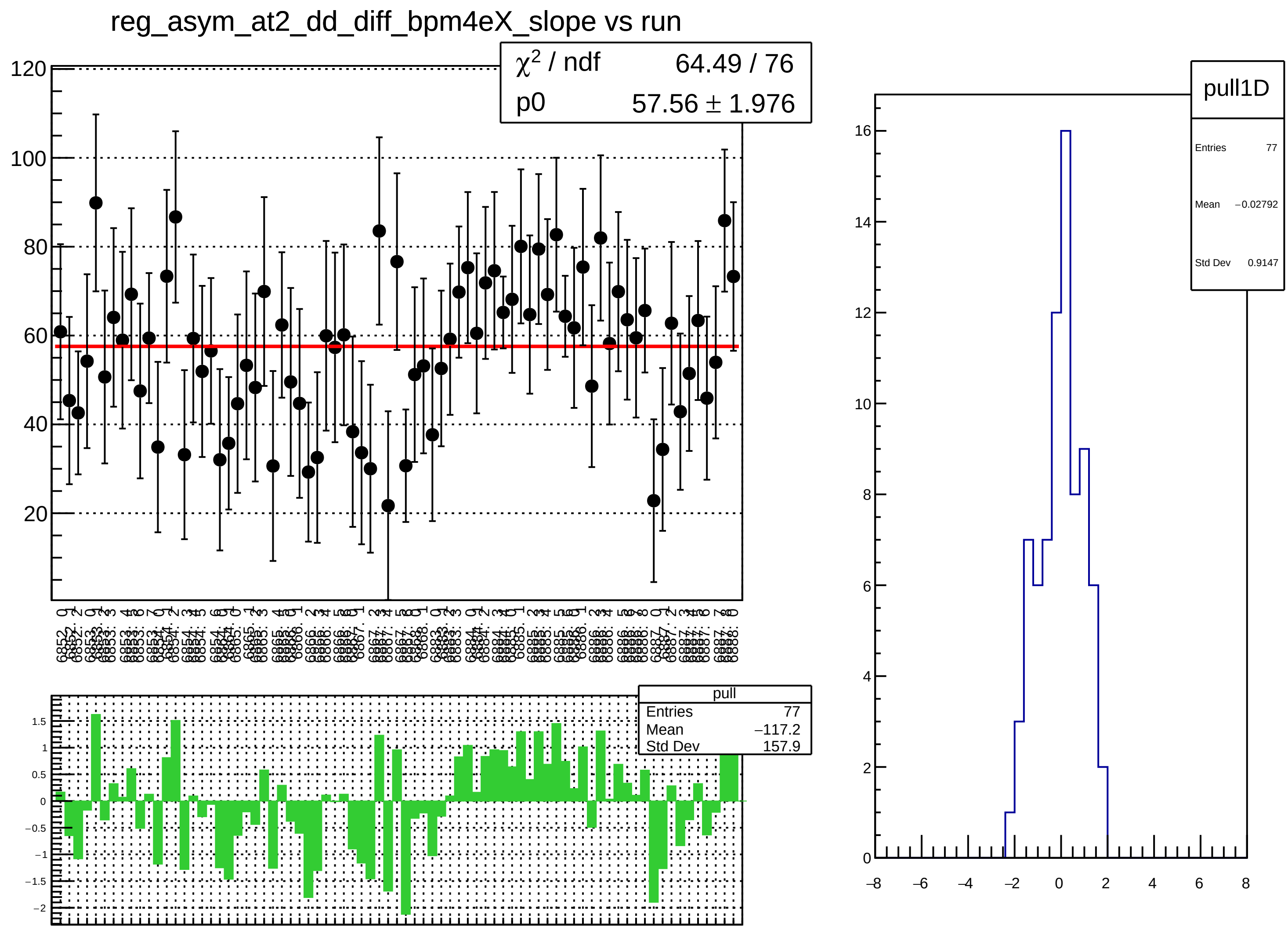


reg_asym_at2_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 11.51 / 76
p0 −270.9 ± 0.3692
pull
Entries 77
Mean 1546
Std Dev 1503
pull1D
Entries 77
Mean 0.0009226
Std Dev 0.3867

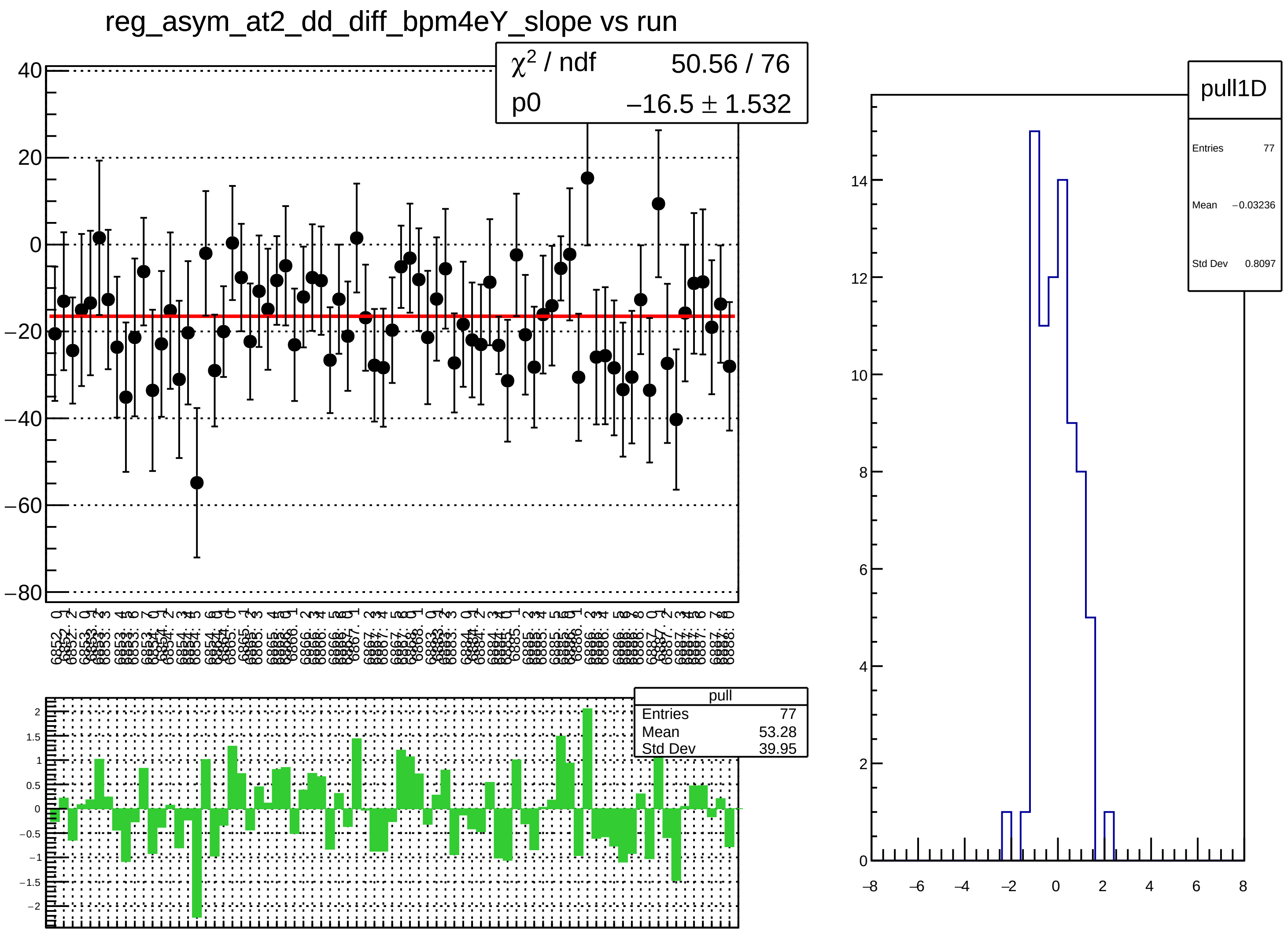


reg_asym_at2_dd_diff_bpm1X_slope vs run
χ2 / ndf 66.25 / 76
p0 28.44 ± 2.063
pull
Entries 77
Mean −107.2
Std Dev 148.2
pull1D
Entries 77
Mean 0.0357
Std Dev 0.9269


reg_asym_at2_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 50.93 / 76
p0 3.758 ± 1.177
pull
Entries 77
Mean 68.05
Std Dev 26.82
pull1D
Entries 77
Mean 0.03713
Std Dev 0.8124

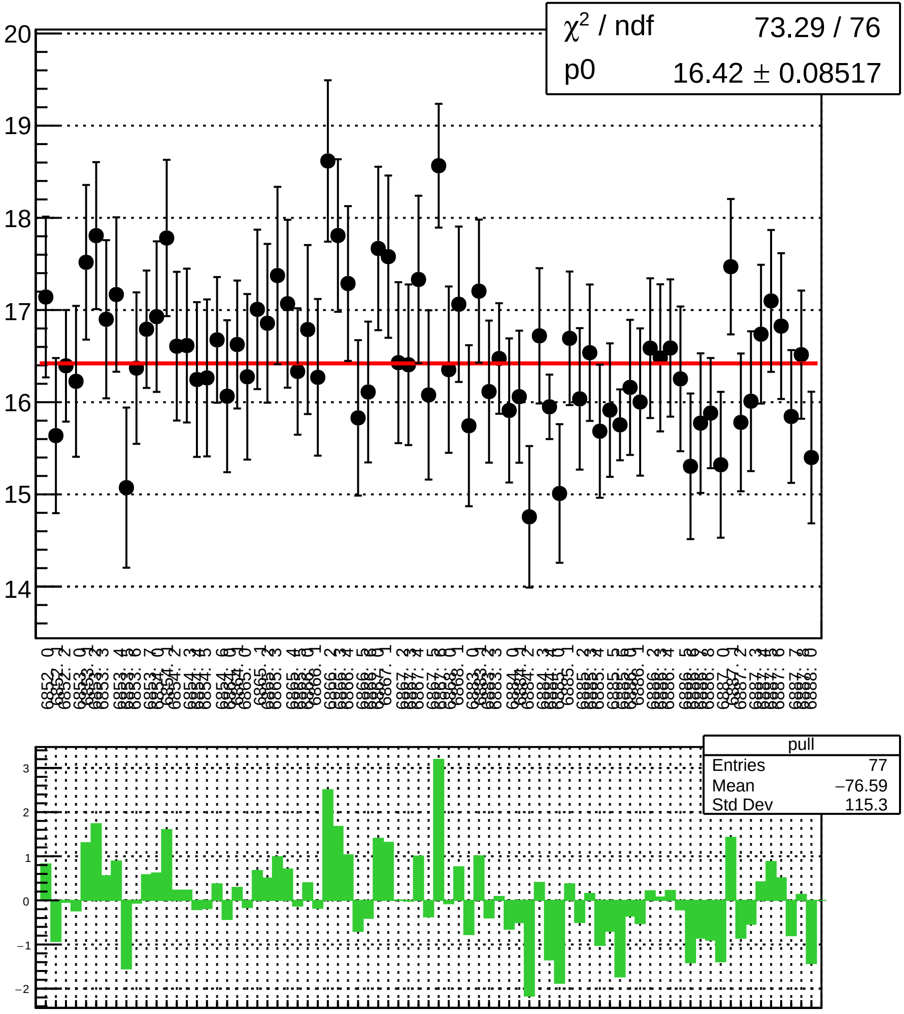


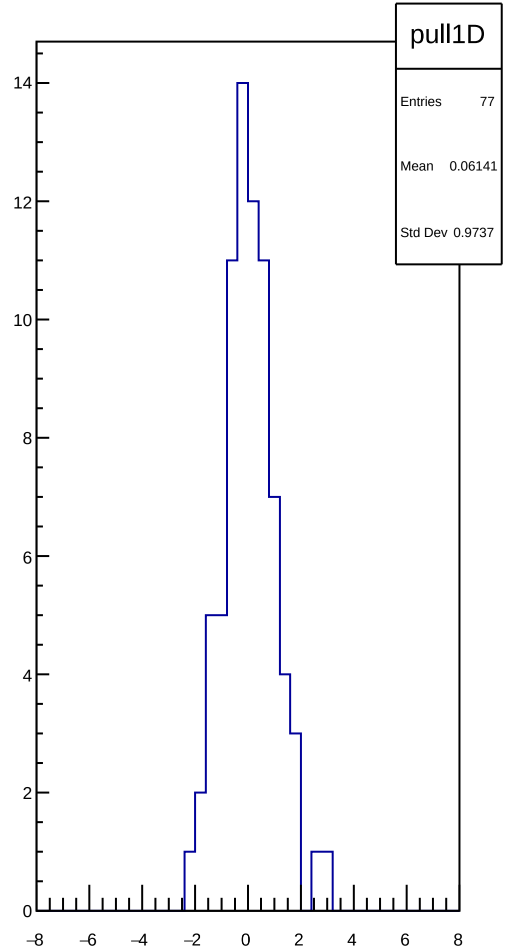
reg_asym_at2_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 64.49 / 76
p0 57.56 ± 1.976
pull
Entries 77
Mean −117.2
Std Dev 157.9
pull1D
Entries 77
Mean −0.02792
Std Dev 0.9147

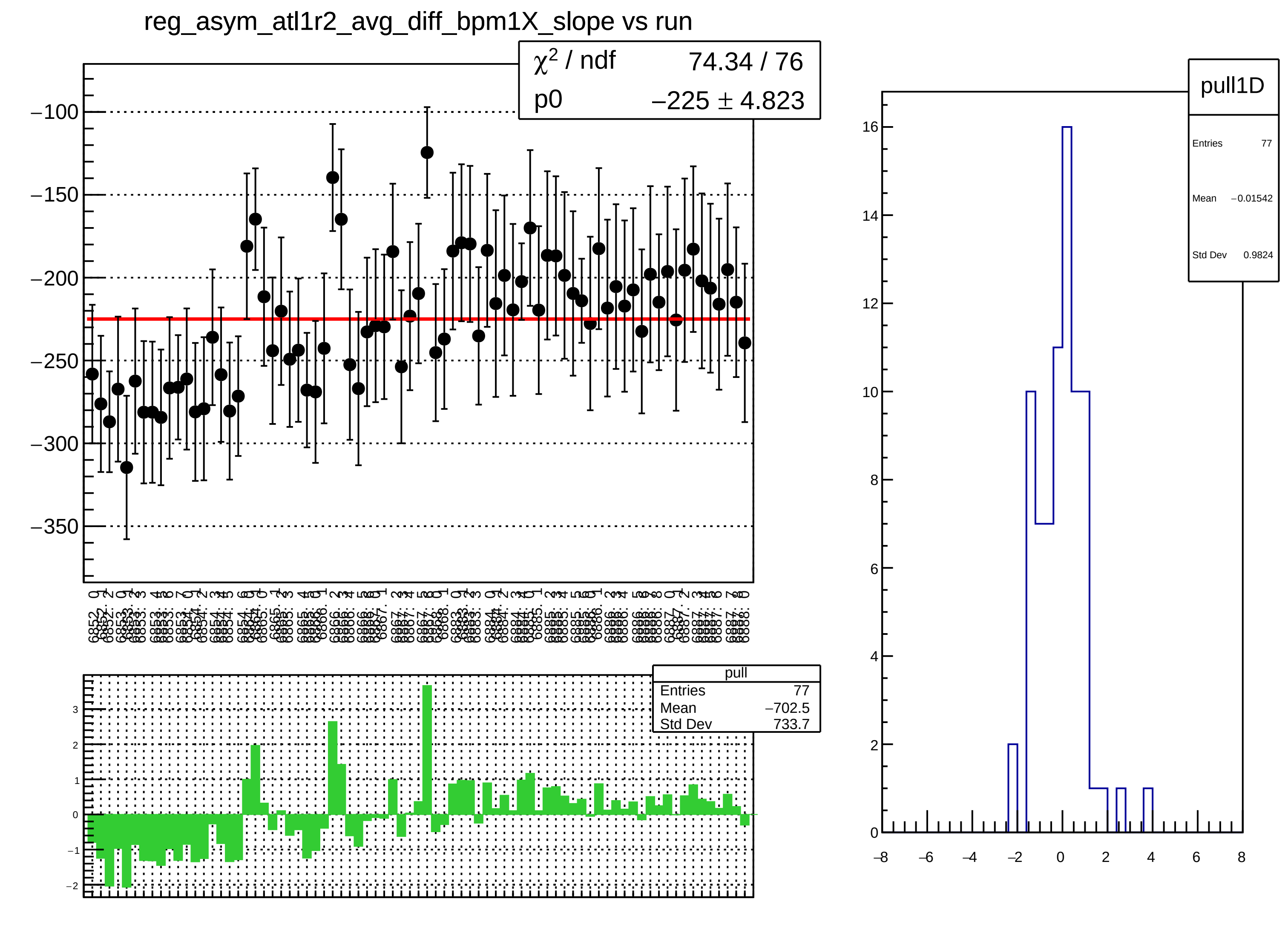


reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 50.56 / 76
p0 −16.5 ± 1.532
pull
Entries 77
Mean 53.28
Std Dev 39.95
pull1D
Entries 77
Mean −0.03236
Std Dev 0.8097

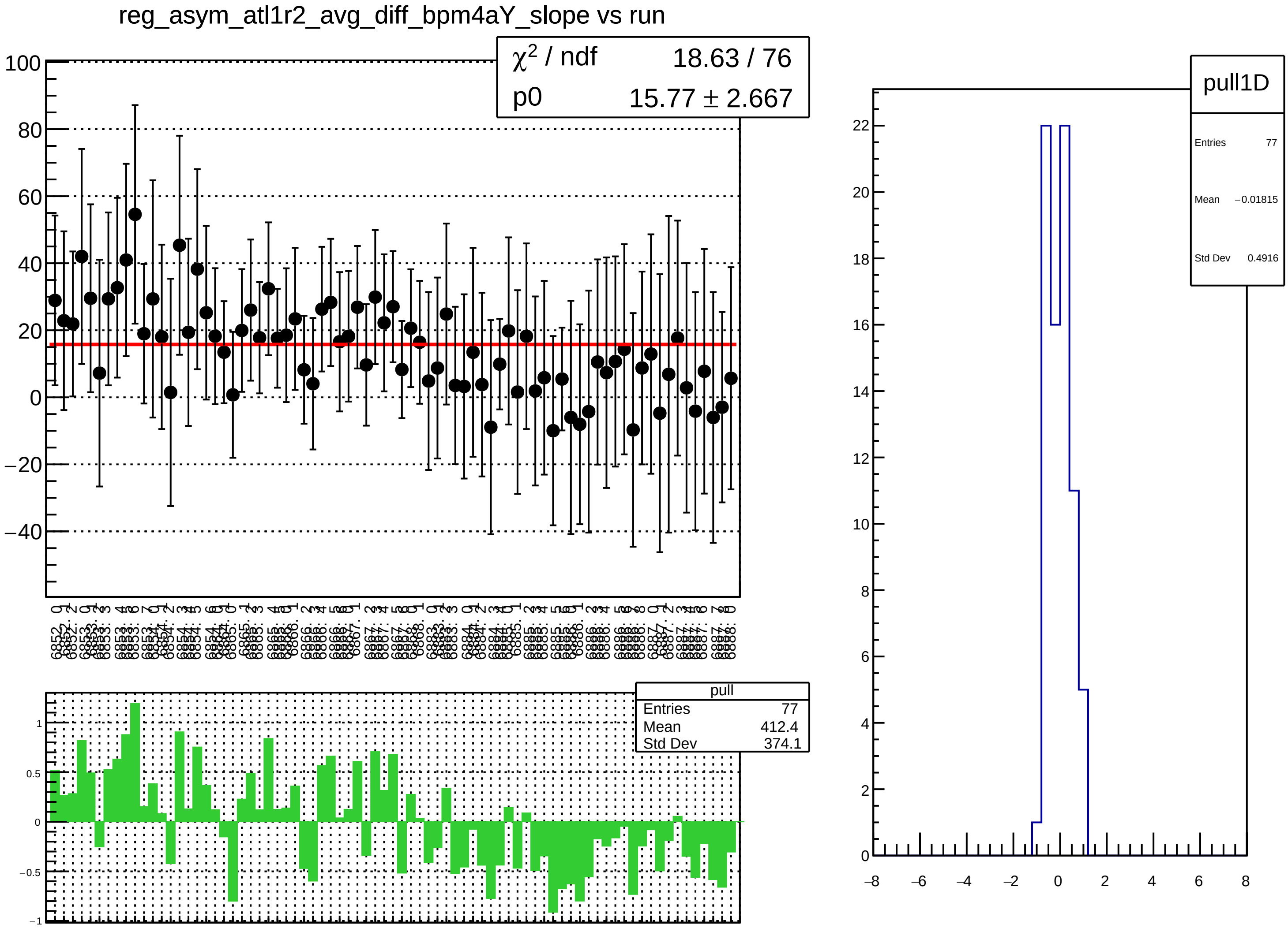
reg_asym_at2_dd_diff_bpm12X_slope vs run

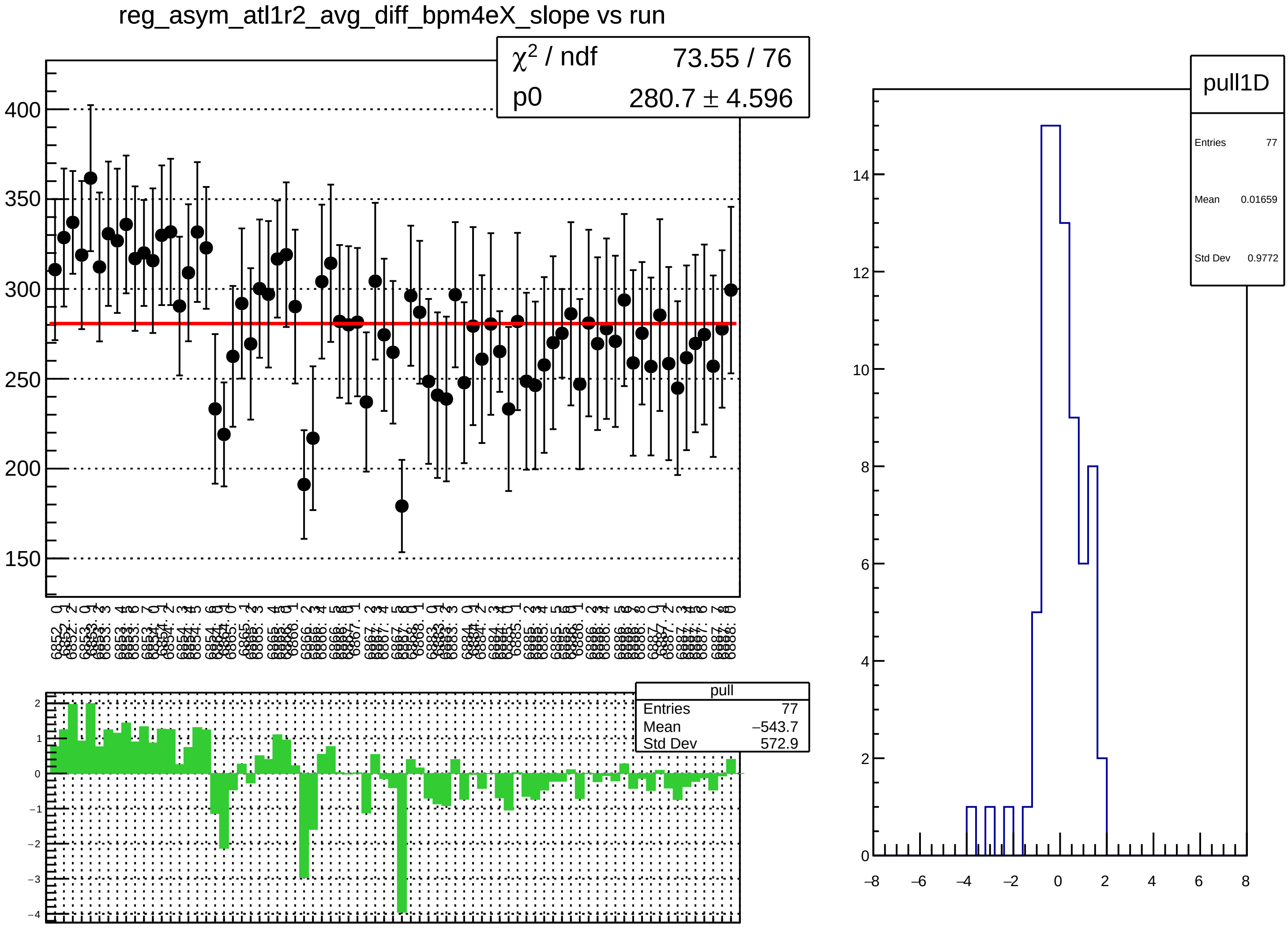


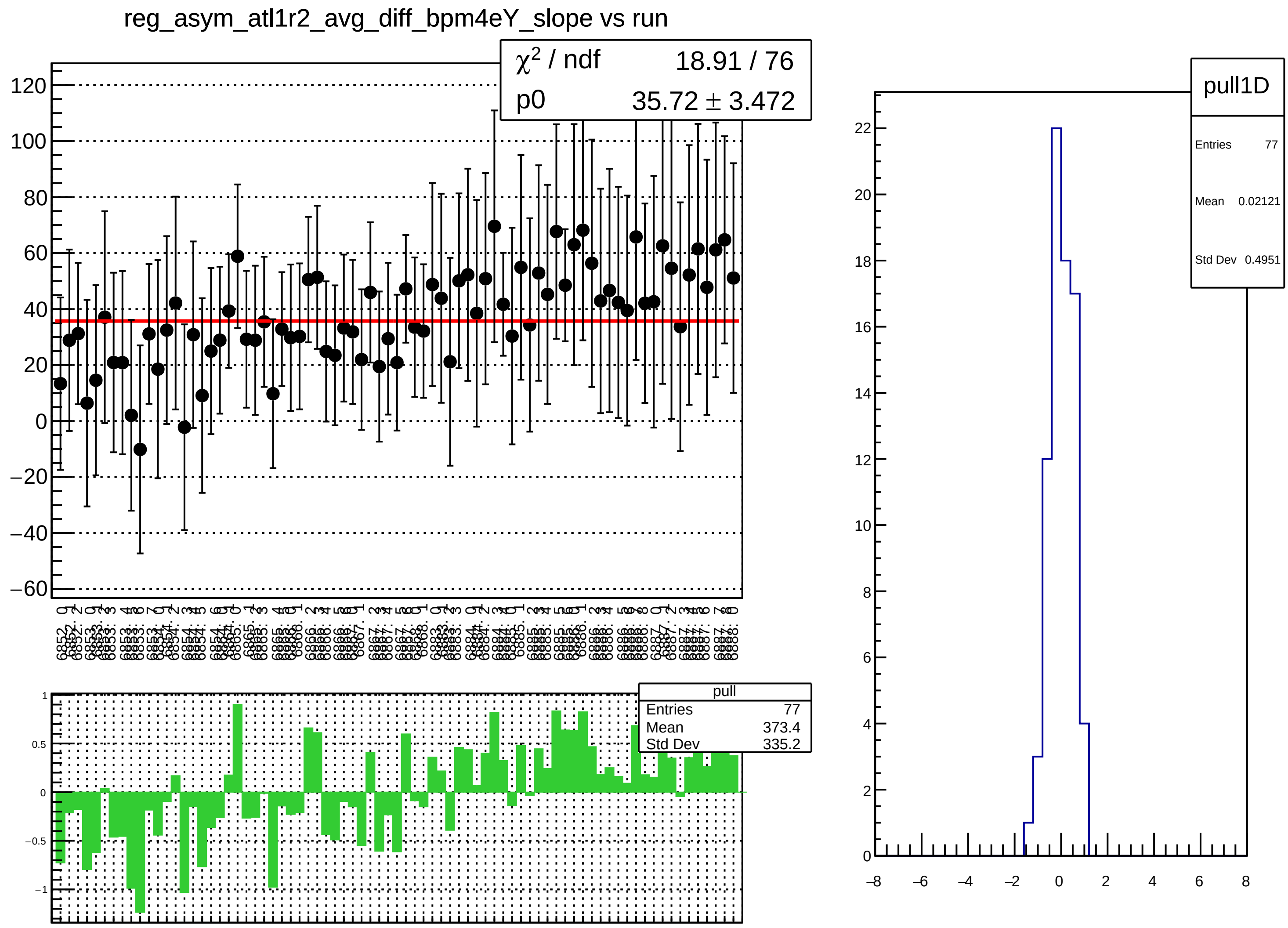


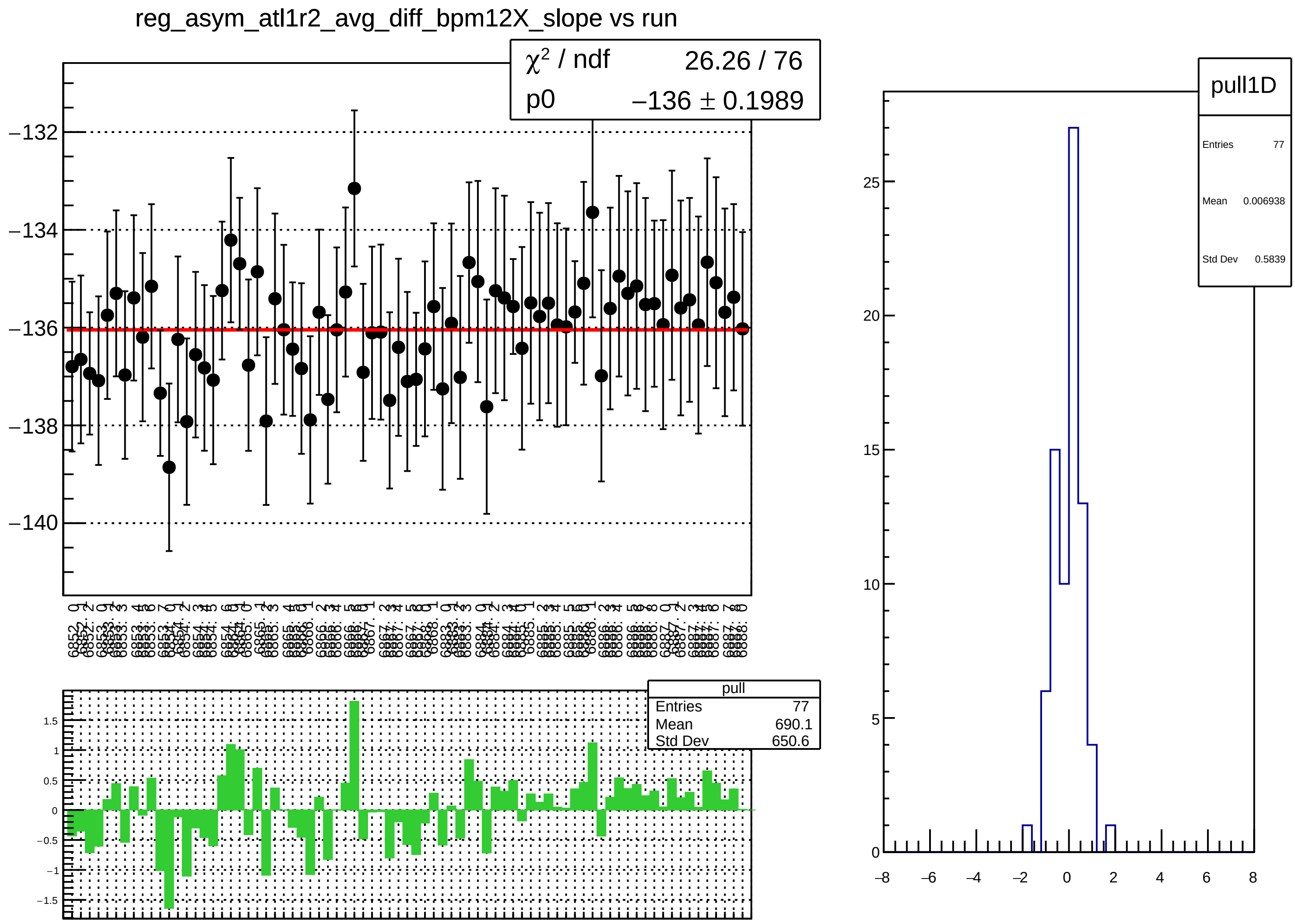
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ2 / ndf 74.34 / 76
p0 −225 ± 4.823
pull
Entries 77
Mean −702.5
Std Dev 733.7
pull1D
Entries 77
Mean −0.01542
Std Dev 0.9824


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 18.63 / 76
p0 15.77 ± 2.667
pull
Entries 77
Mean 412.4
Std Dev 374.1
pull1D
Entries 77
Mean −0.01815
Std Dev 0.4916

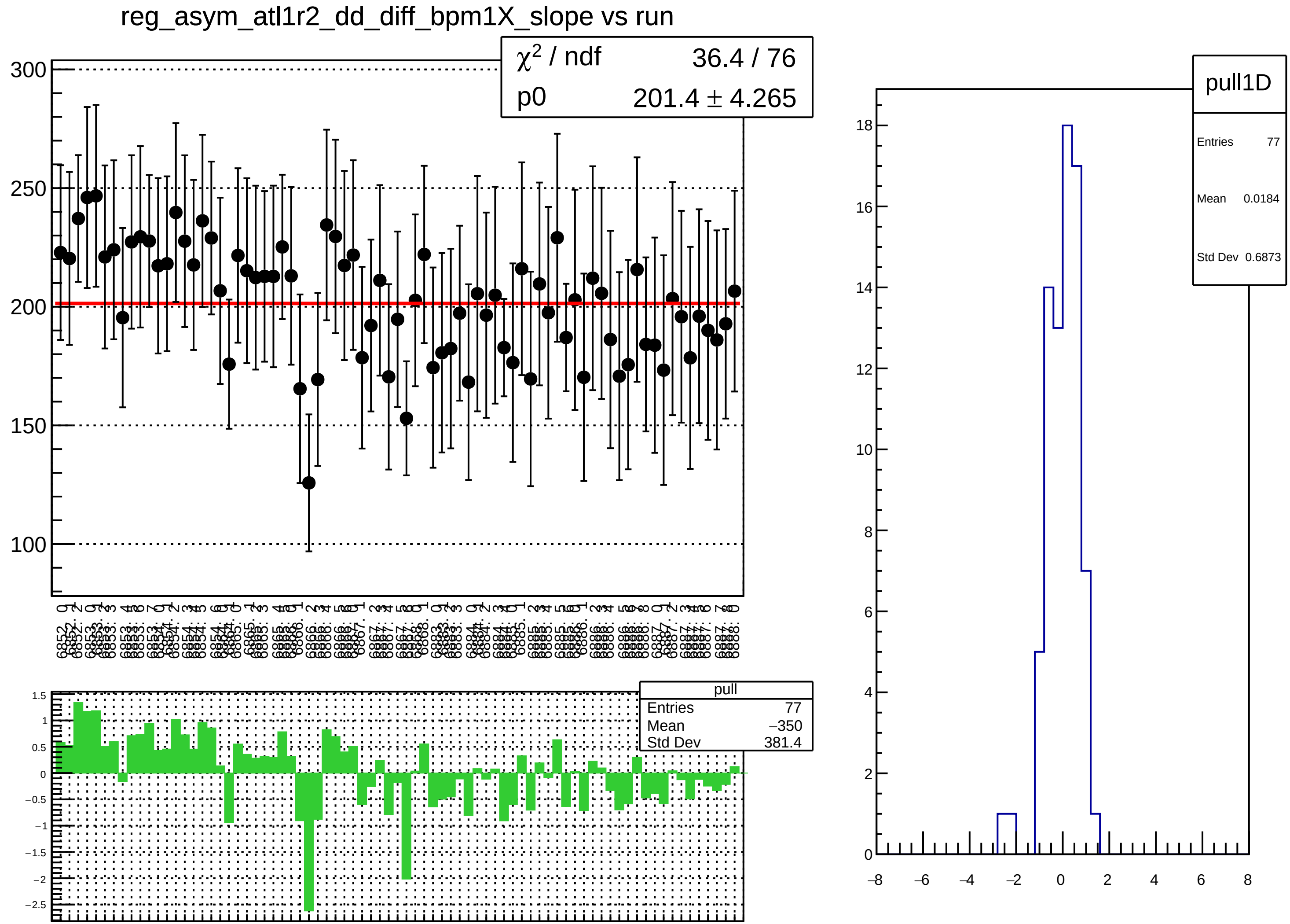


reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 73.55 / 76
p0 280.7 ± 4.596
pull
Entries 77
Mean −543.7
Std Dev 572.9
pull1D
Entries 77
Mean 0.01659
Std Dev 0.9772

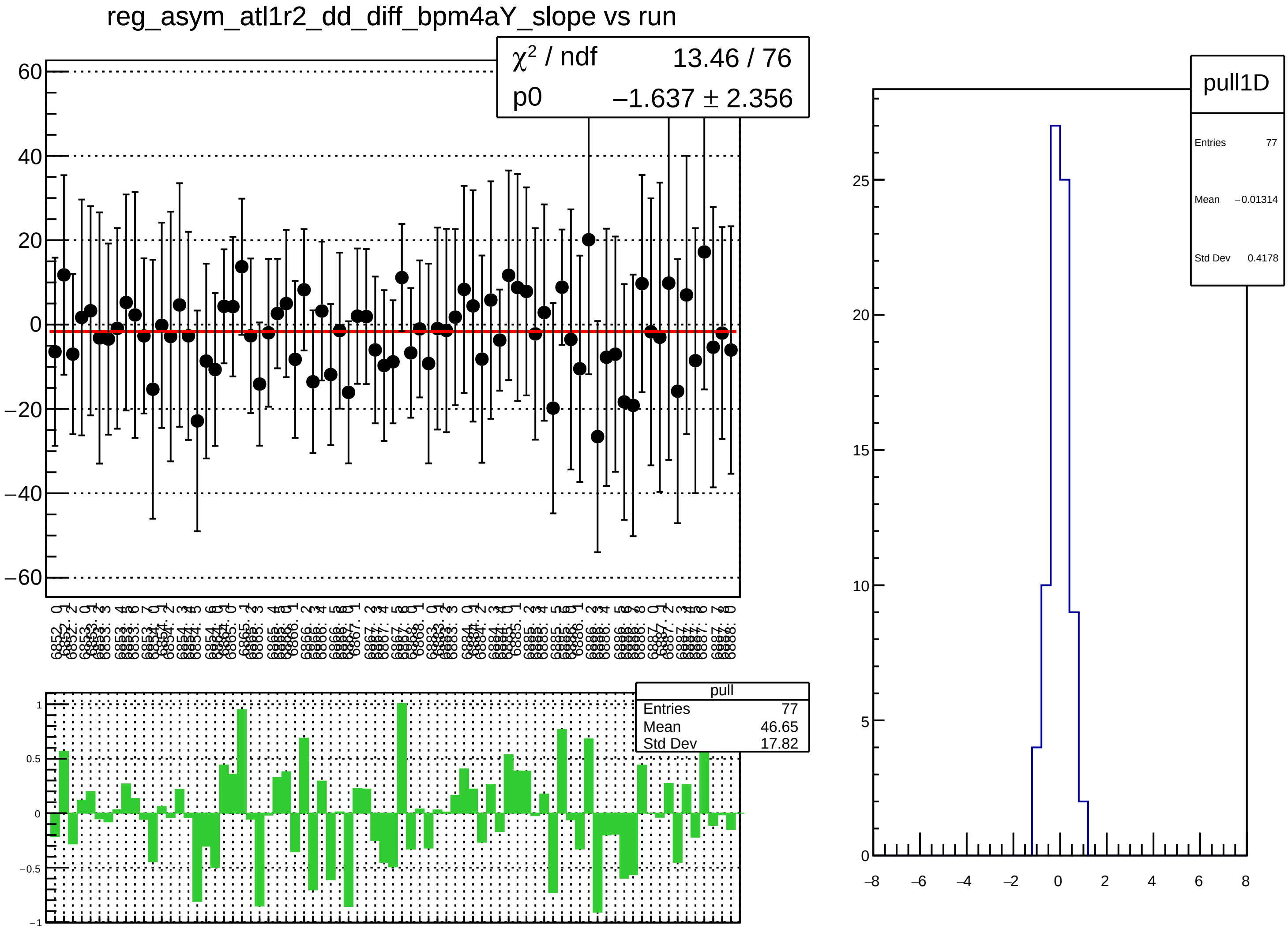

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 18.91 / 76
p0 35.72 ± 3.472
pull
Entries 77
Mean 373.4
Std Dev 335.2
pull1D
Entries 77
Mean 0.02121
Std Dev 0.4951



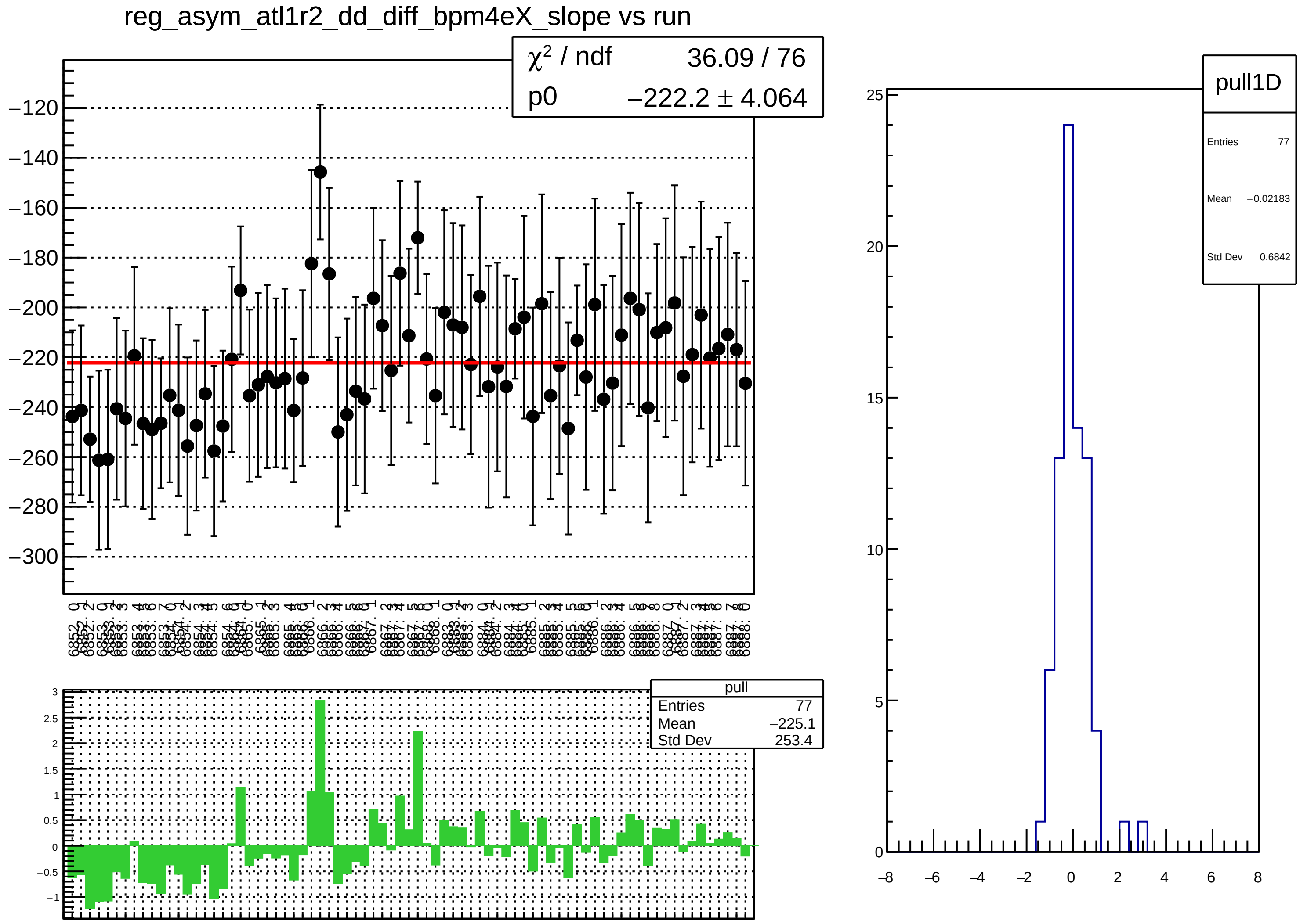
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 26.26 / 76
p0 −136 ± 0.1989
pull
Entries 77
Mean 690.1
Std Dev 650.6
pull1D
Entries 77
Mean 0.006938
Std Dev 0.5839



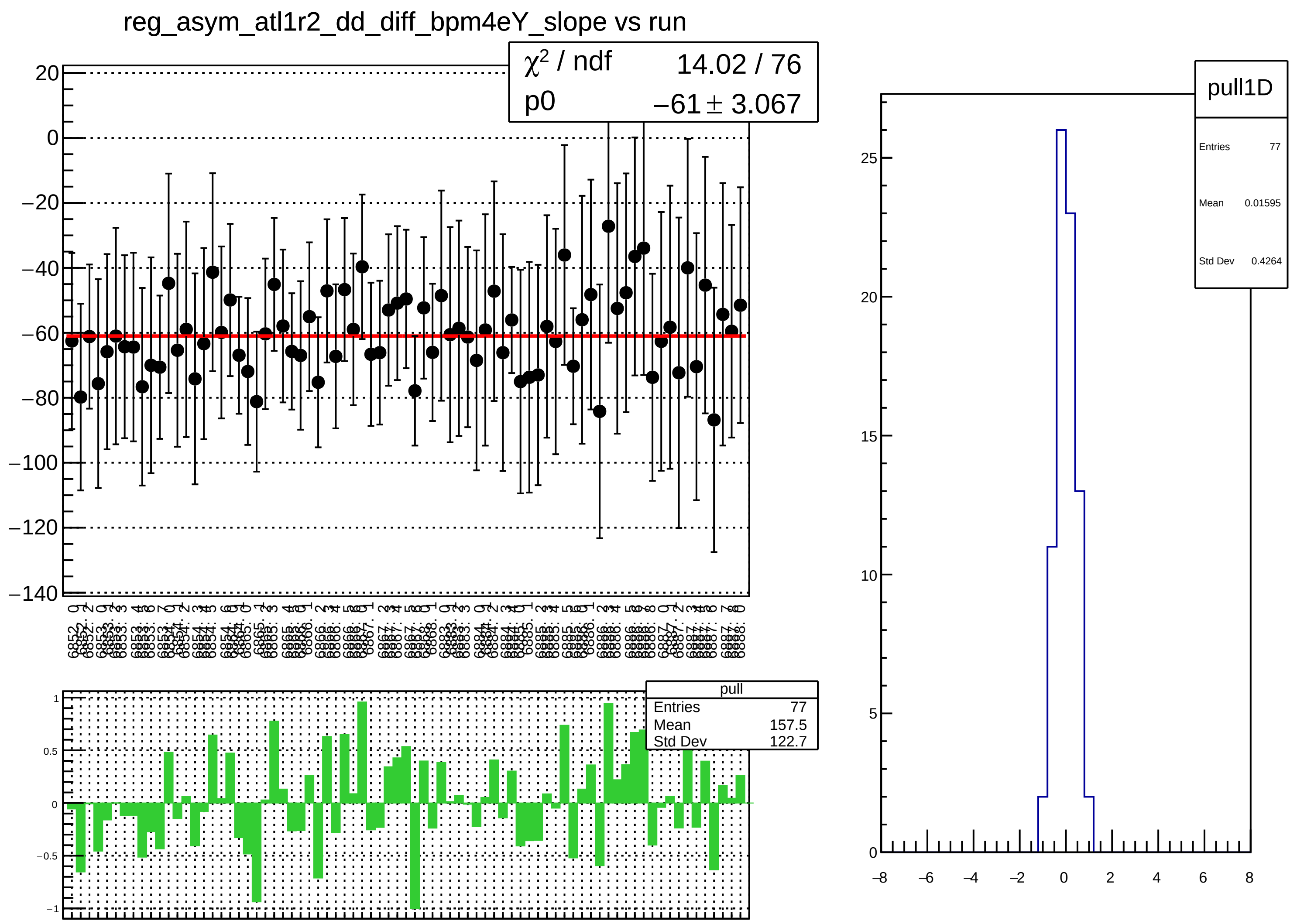
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 36.4 / 76
p0 201.4 ± 4.265
300
250
200
150
100
pull
Entries 77
Mean −350
Std Dev 381.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 77
Mean 0.0184
Std Dev 0.6873
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



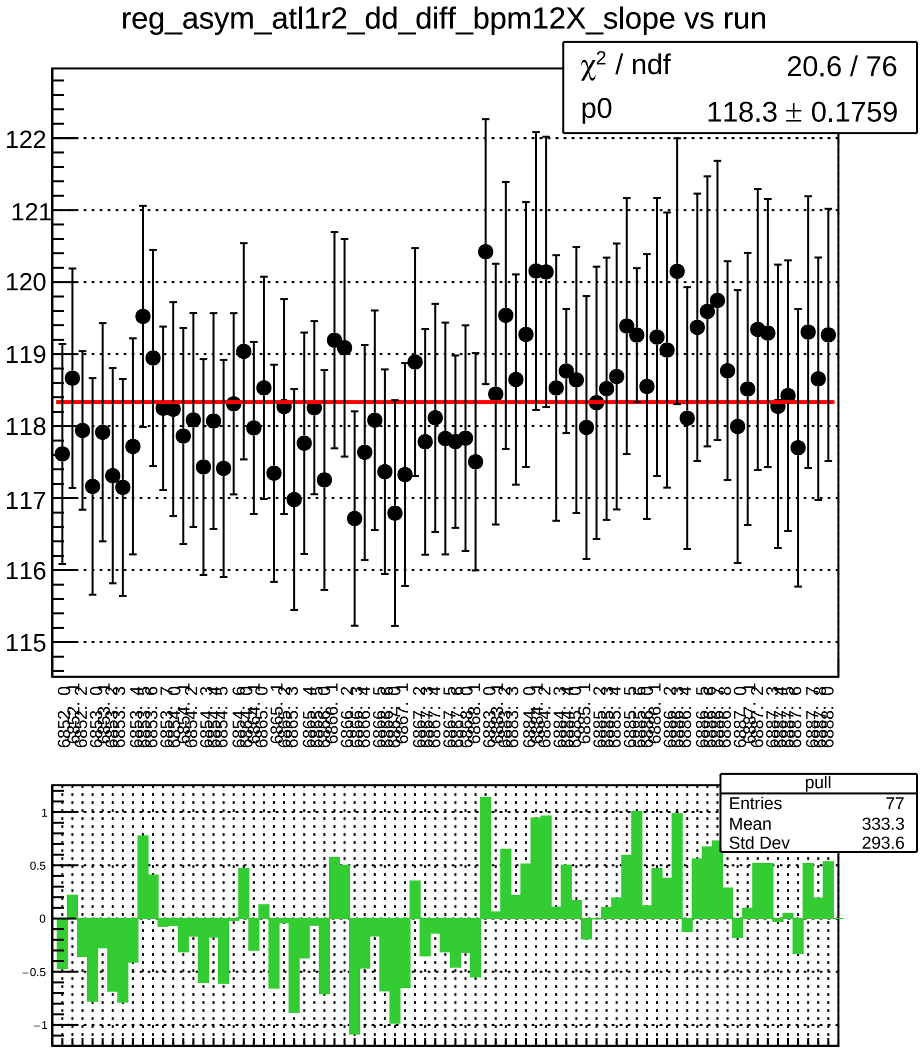
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 13.46 / 76
p0 −1.637 ± 2.356
pull
Entries 77
Mean 46.65
Std Dev 17.82
pull1D
Entries 77
Mean −0.01314
Std Dev 0.4178



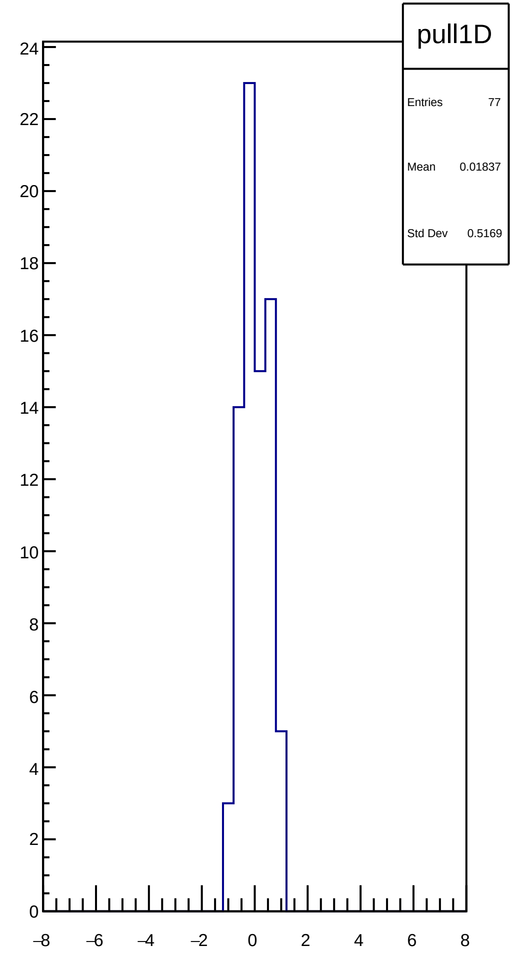
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 36.09 / 76
p0 −222.2 ± 4.064
pull1D
Entries 77
Mean −0.02183
Std Dev 0.6842
pull
Entries 77
Mean −225.1
Std Dev 253.4



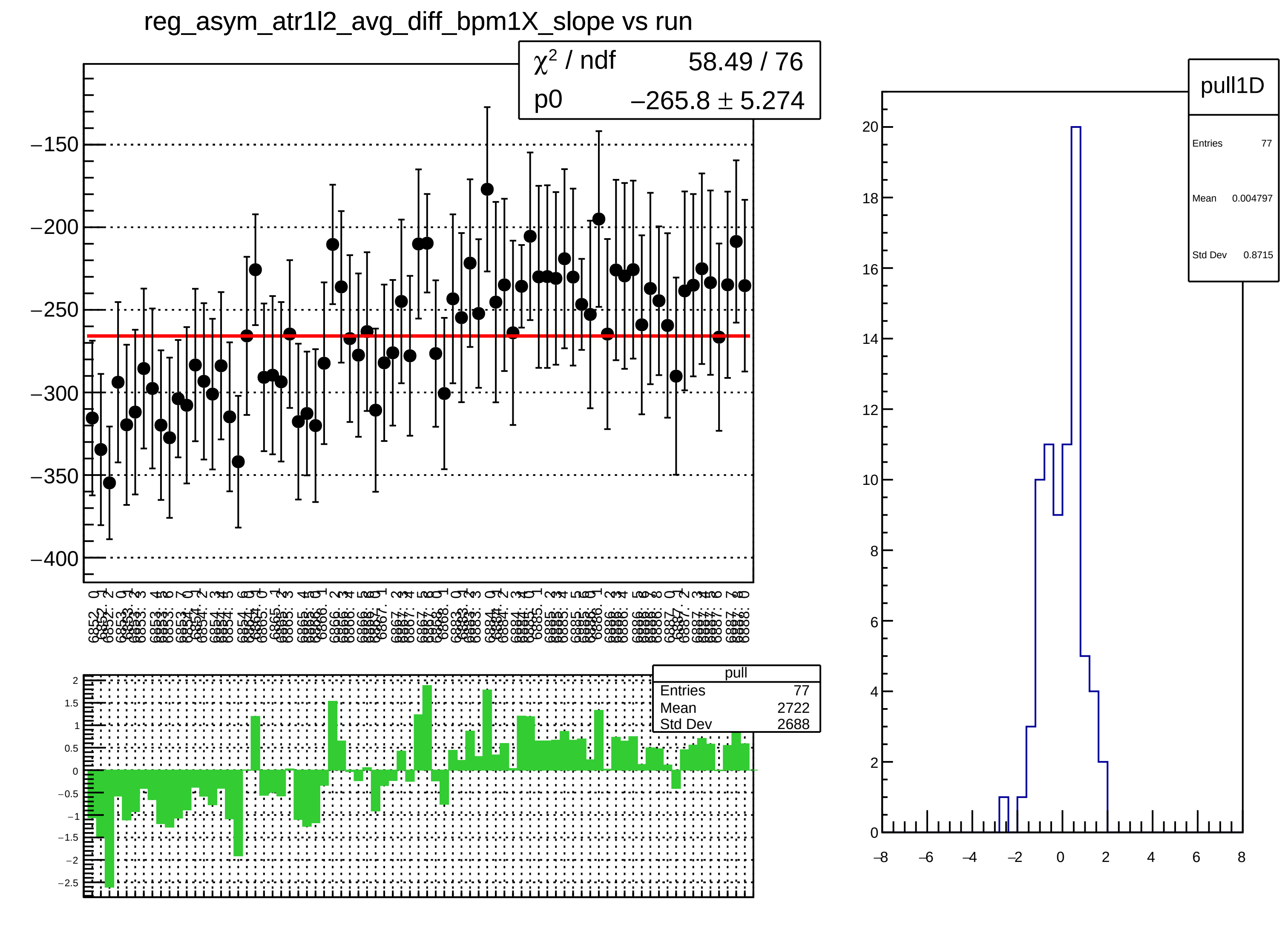
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 14.02 / 76
p0 −61 ± 3.067
pull
Entries 77
Mean 157.5
Std Dev 122.7
pull1D
Entries 77
Mean 0.01595
Std Dev 0.4264



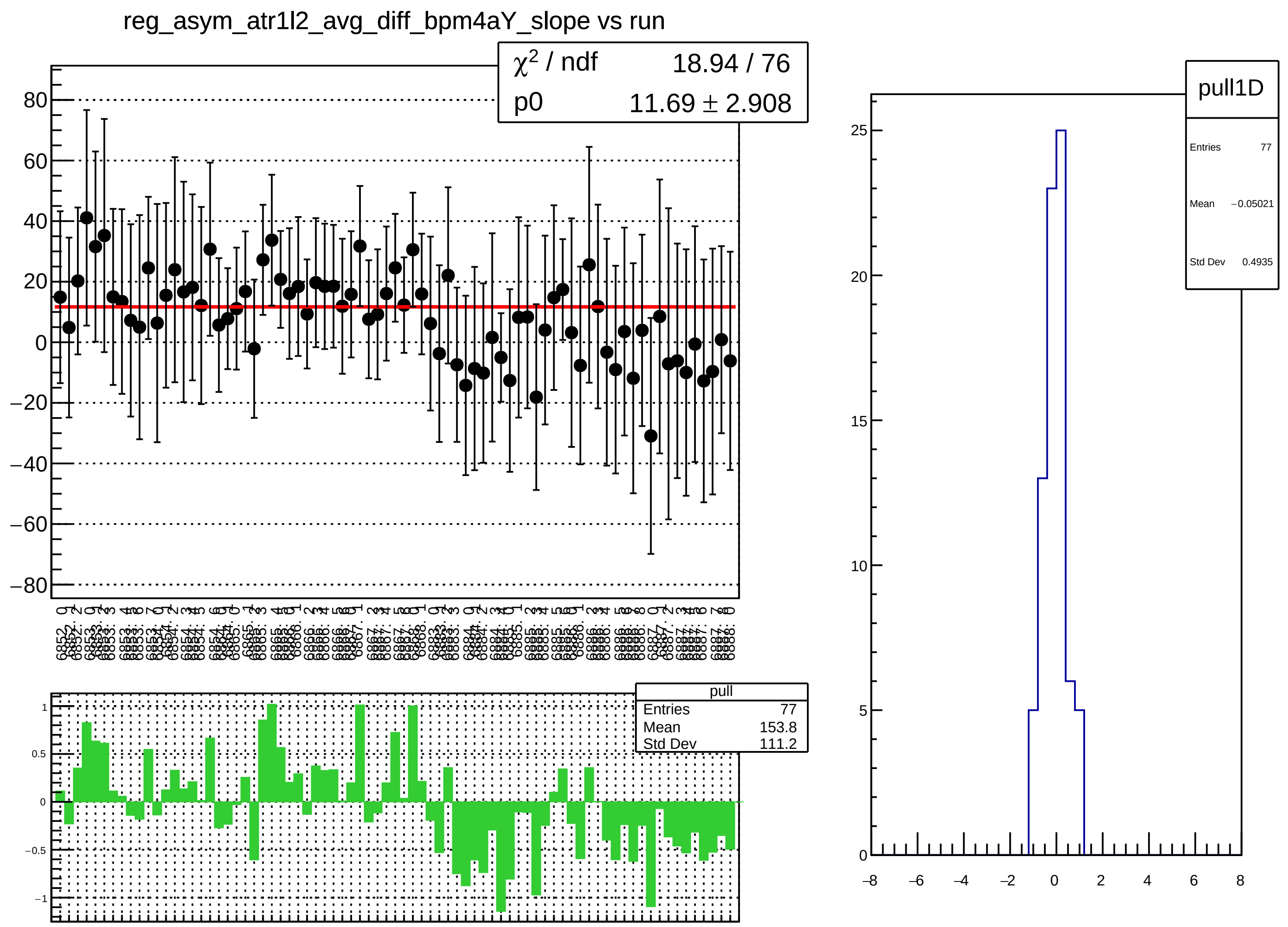
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 20.6 / 76
p0 118.3 ± 0.1759
pull
Entries 77
Mean 333.3
Std Dev 293.6

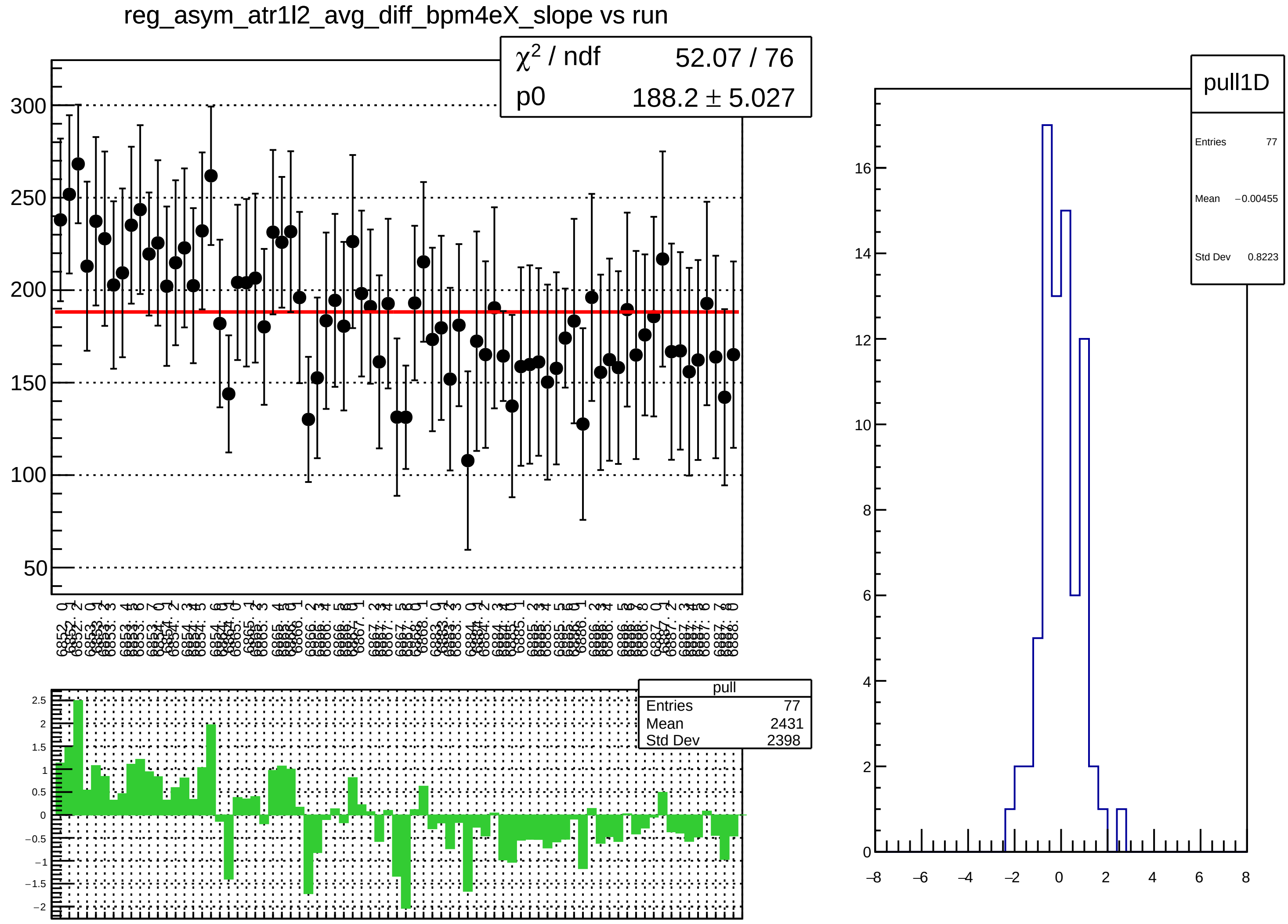



pull1D
Entries 77
Mean 0.01837
Std Dev 0.5169

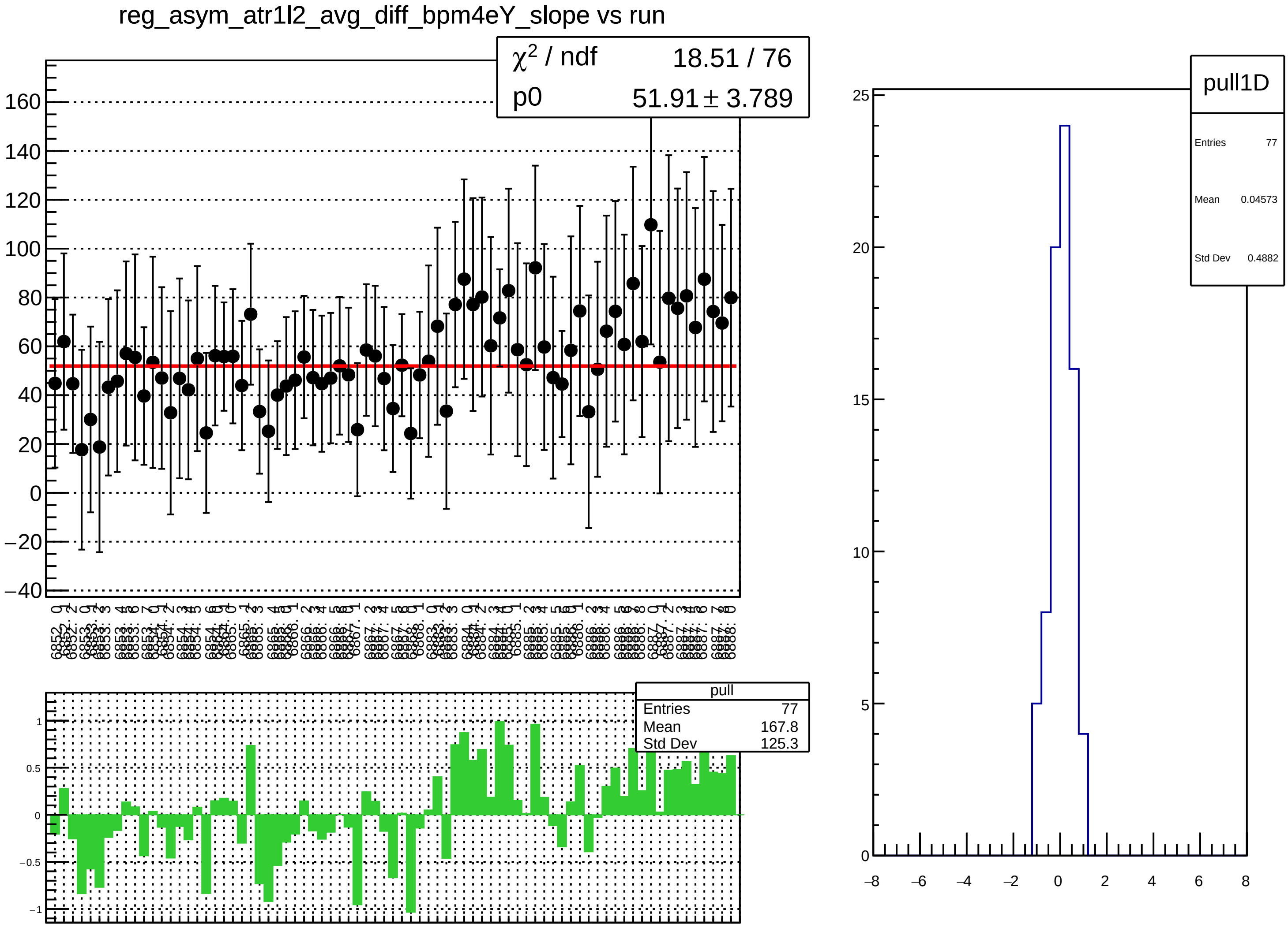


reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ2 / ndf 58.49 / 76
p0 −265.8 ± 5.274
pull
Entries 77
Mean 2722
Std Dev 2688
pull1D
Entries 77
Mean 0.004797
Std Dev 0.8715

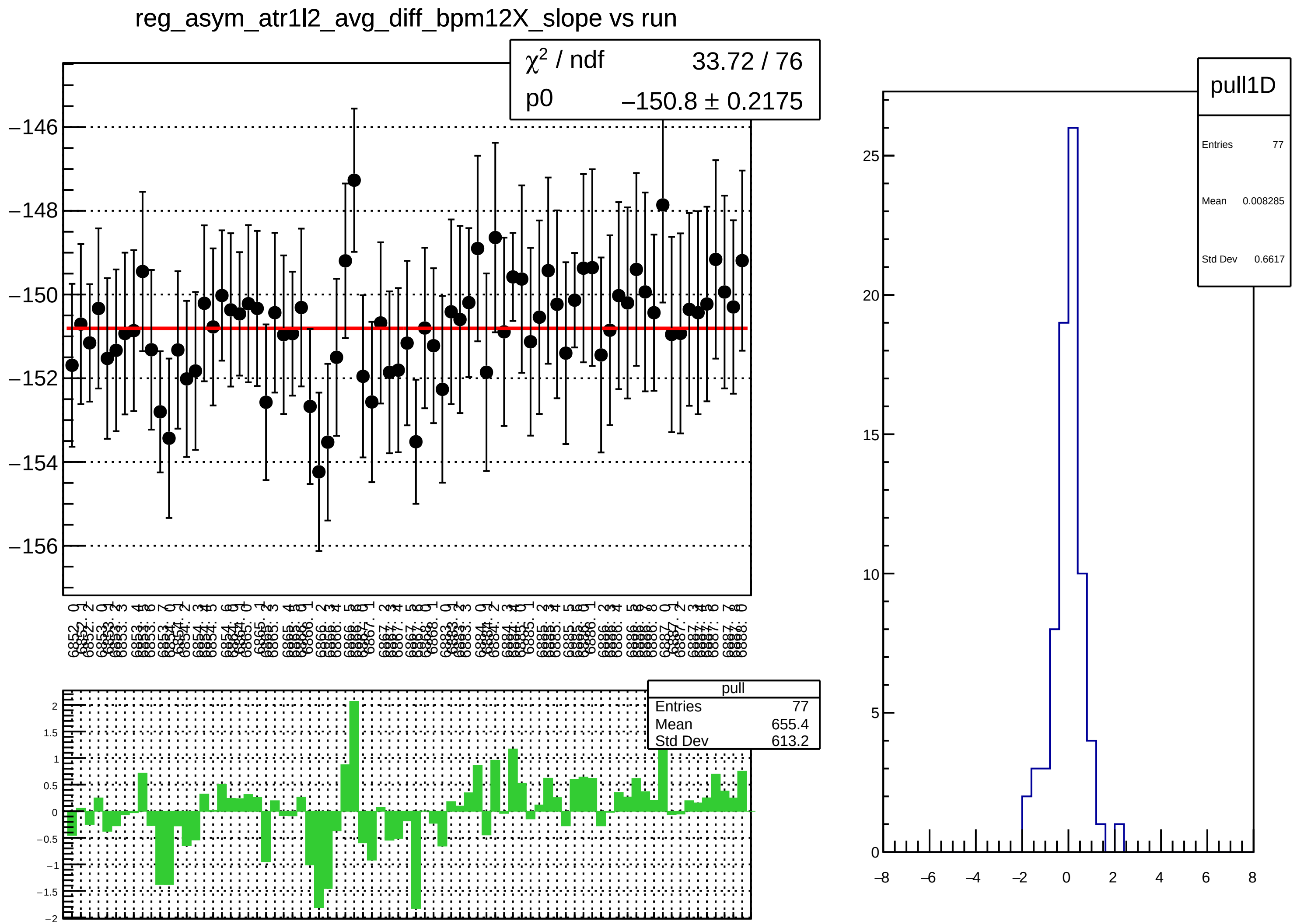

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 18.94 / 76
p0 11.69 ± 2.908
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 77
Mean 153.8
Std Dev 111.2
1
0.5
0
−0.5
−1
pull1D
Entries 77
Mean −0.05021
Std Dev 0.4935
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



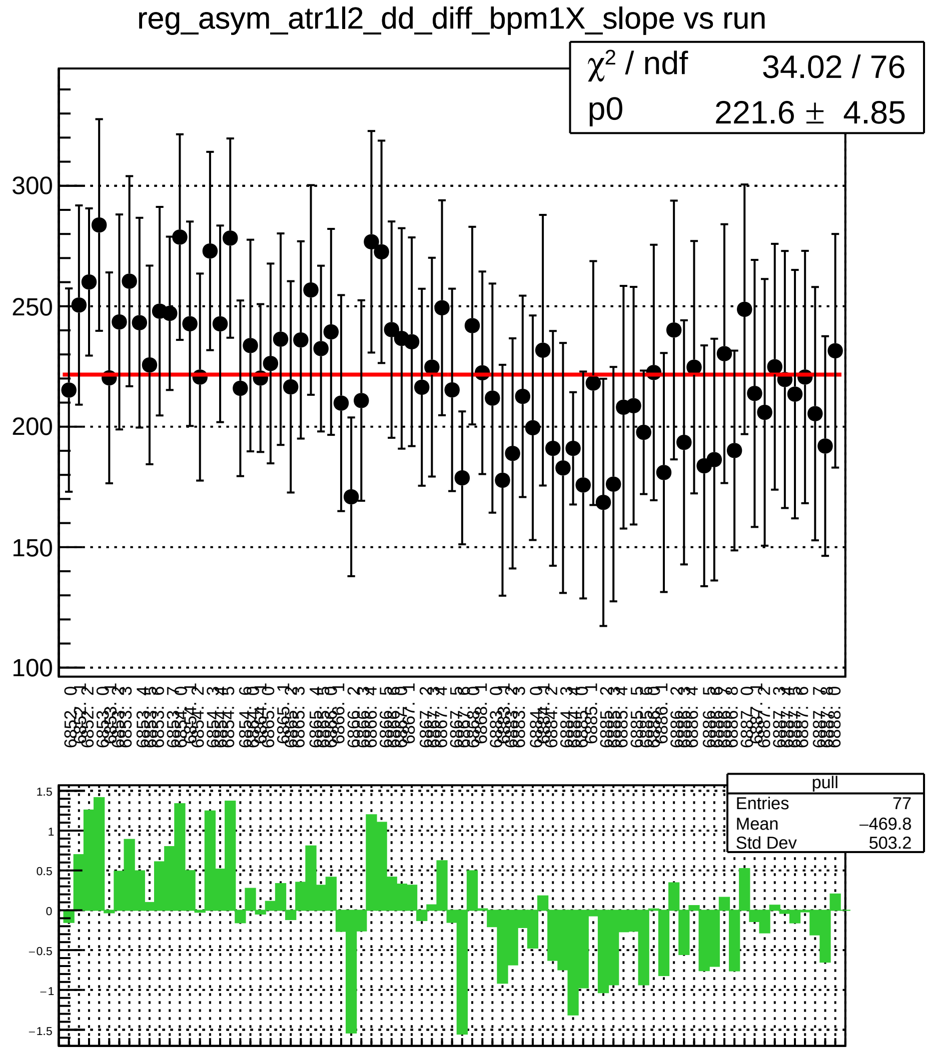
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 52.07 / 76
p0 188.2 ± 5.027
pull
Entries 77
Mean 2431
Std Dev 2398
pull1D
Entries 77
Mean −0.00455
Std Dev 0.8223



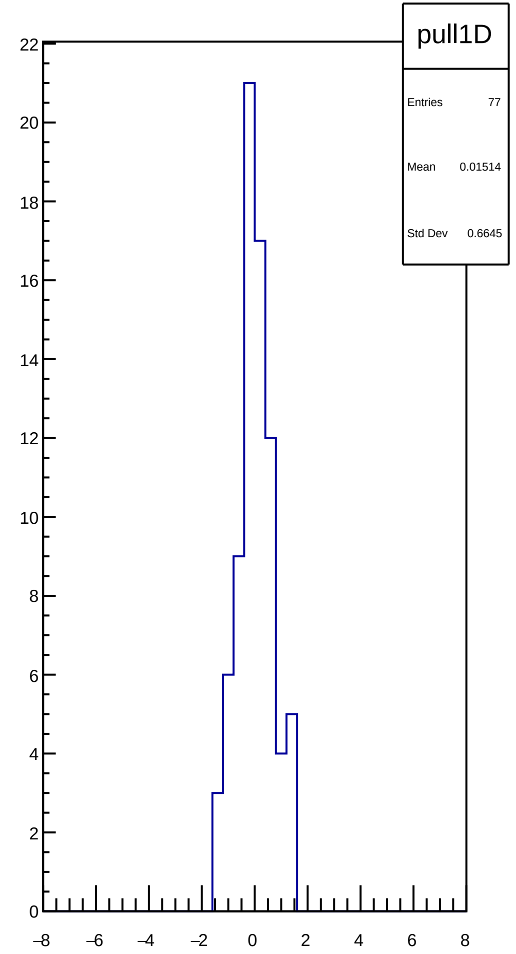
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 18.51 / 76
p0 51.91 ± 3.789
pull
Entries 77
Mean 167.8
Std Dev 125.3
pull1D
Entries 77
Mean 0.04573
Std Dev 0.4882



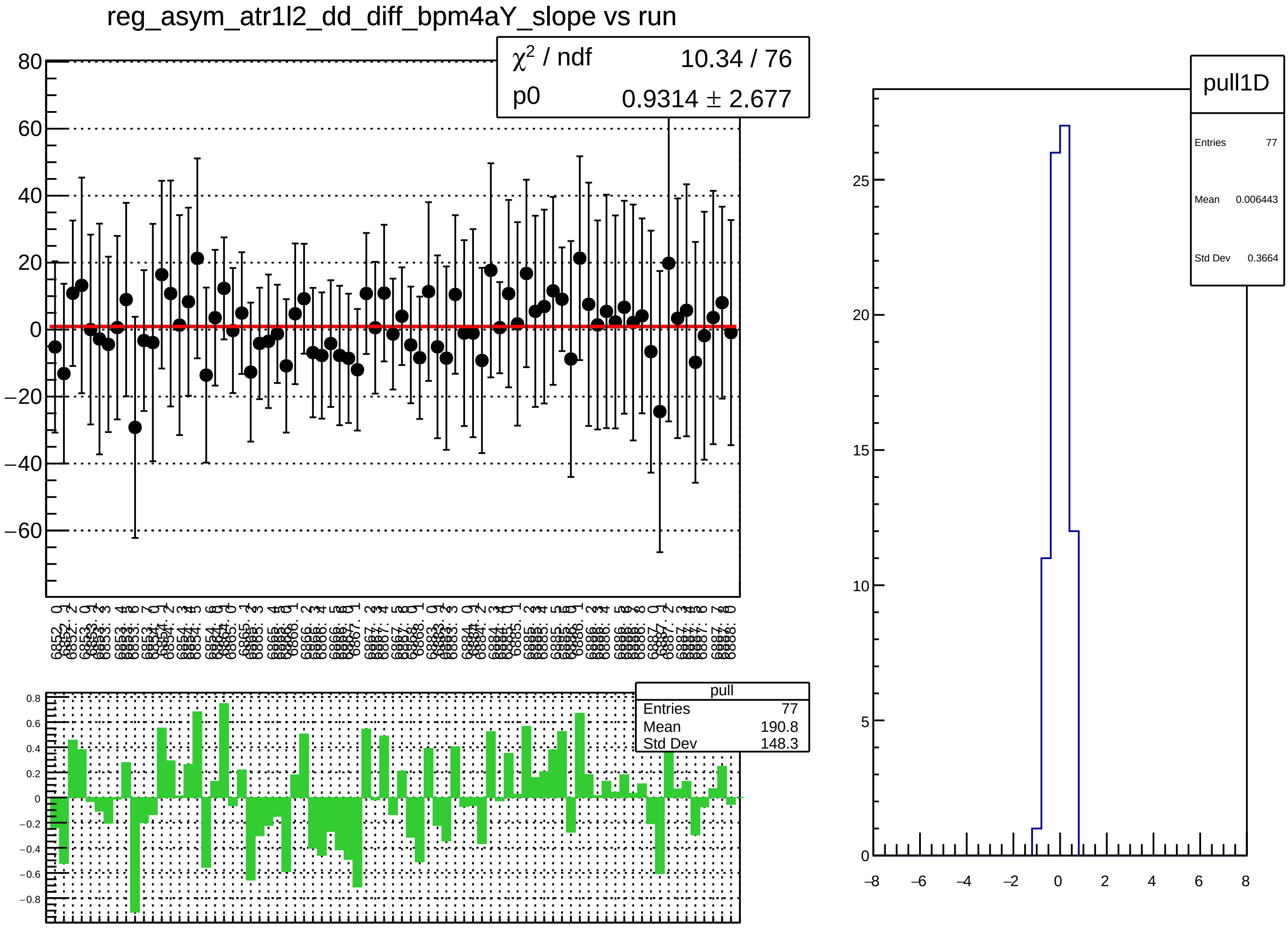
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ2 / ndf 33.72 / 76
p0 −150.8 ± 0.2175
pull
Entries 77
Mean 655.4
Std Dev 613.2
pull1D
Entries 77
Mean 0.008285
Std Dev 0.6617



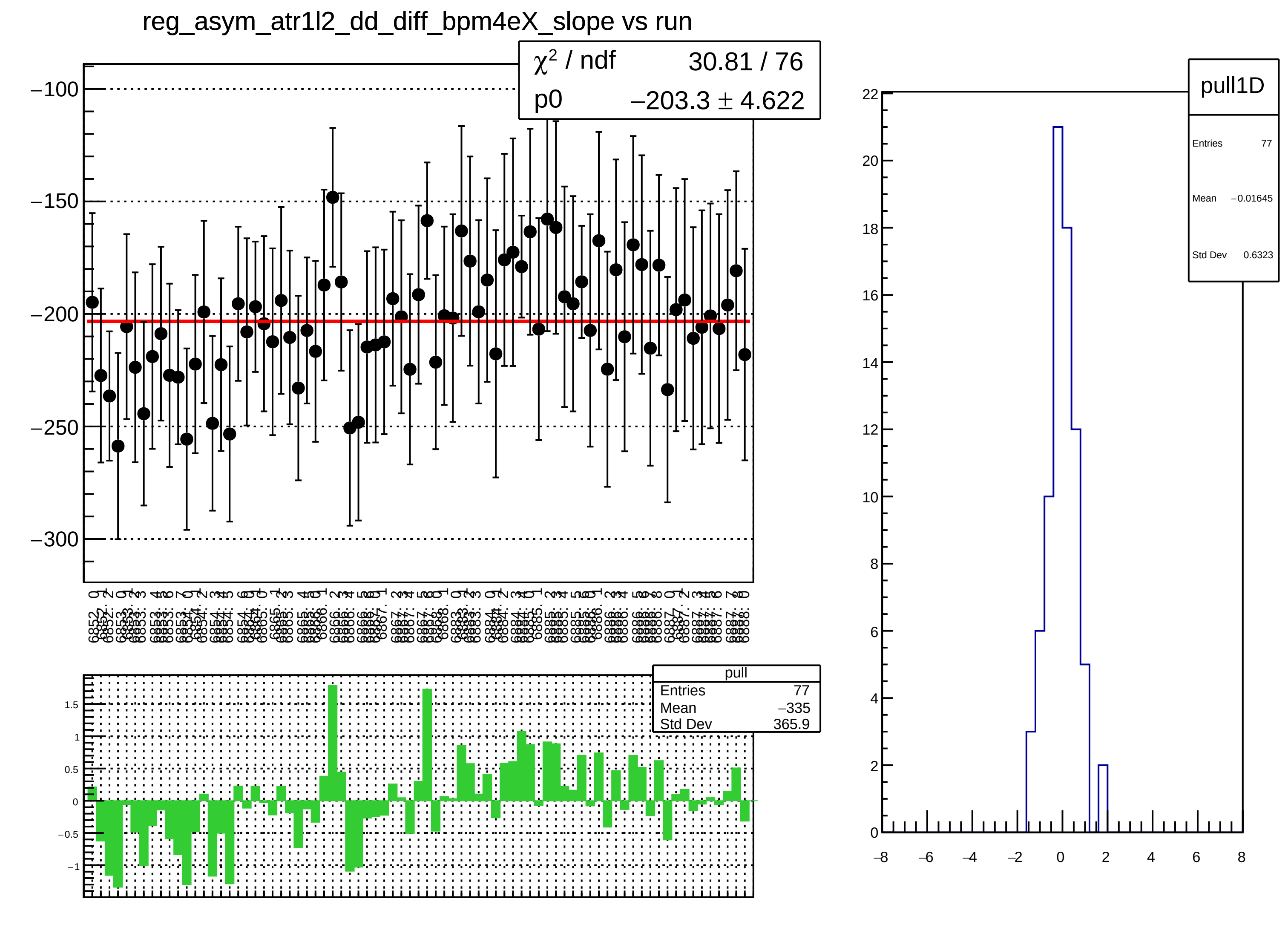
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ2 / ndf 34.02 / 76
p0 221.6 ± 4.85
pull
Entries 77
Mean −469.8
Std Dev 503.2

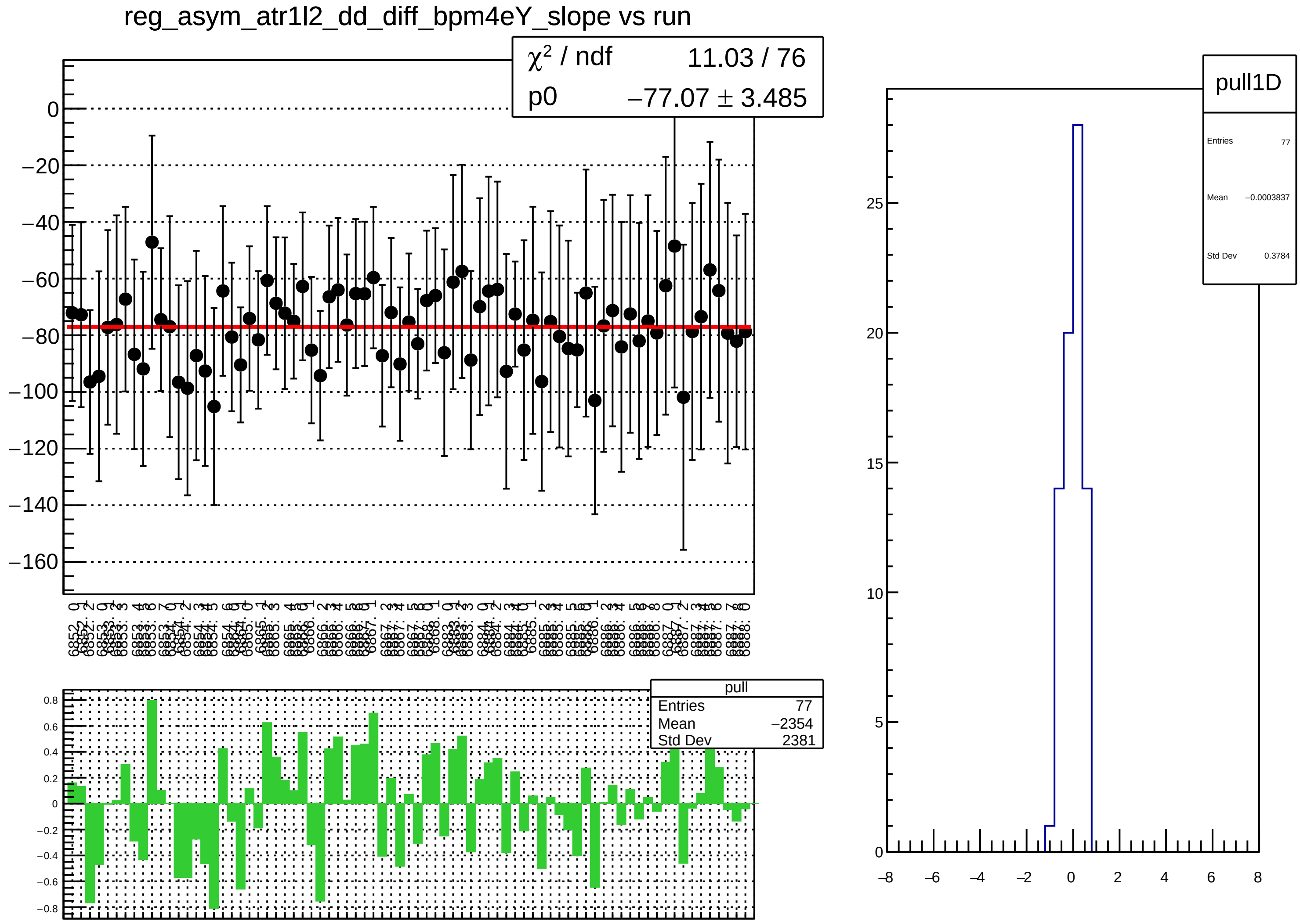
pull1D
Entries 77
Mean 0.01514
Std Dev 0.6645



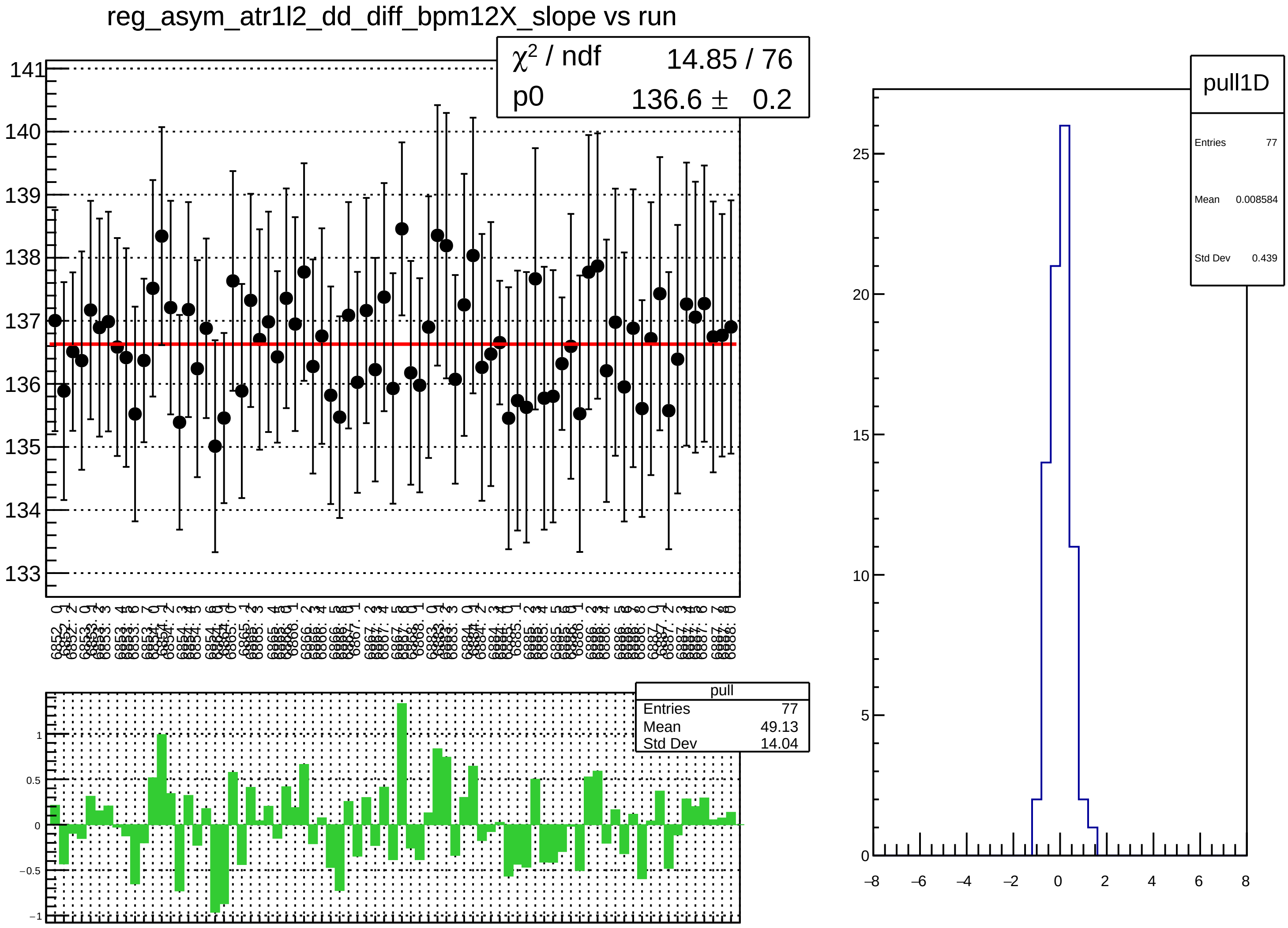
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 10.34 / 76
p0 0.9314 ± 2.677
pull
Entries 77
Mean 190.8
Std Dev 148.3
pull1D
Entries 77
Mean 0.006443
Std Dev 0.3664



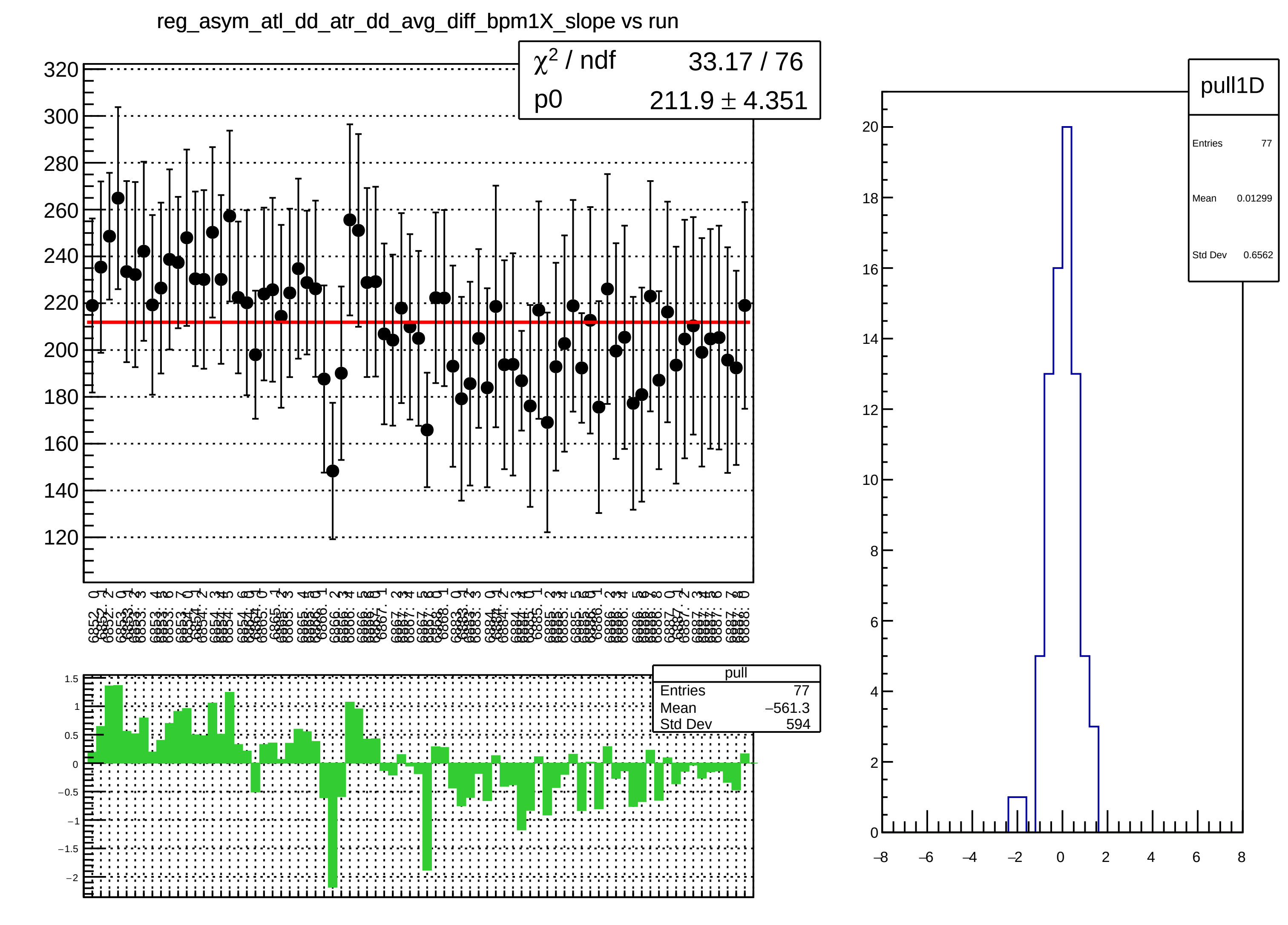
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 30.81 / 76
p0 −203.3 ± 4.622
pull
Entries 77
Mean −335
Std Dev 365.9
pull1D
Entries 77
Mean −0.01645
Std Dev 0.6323



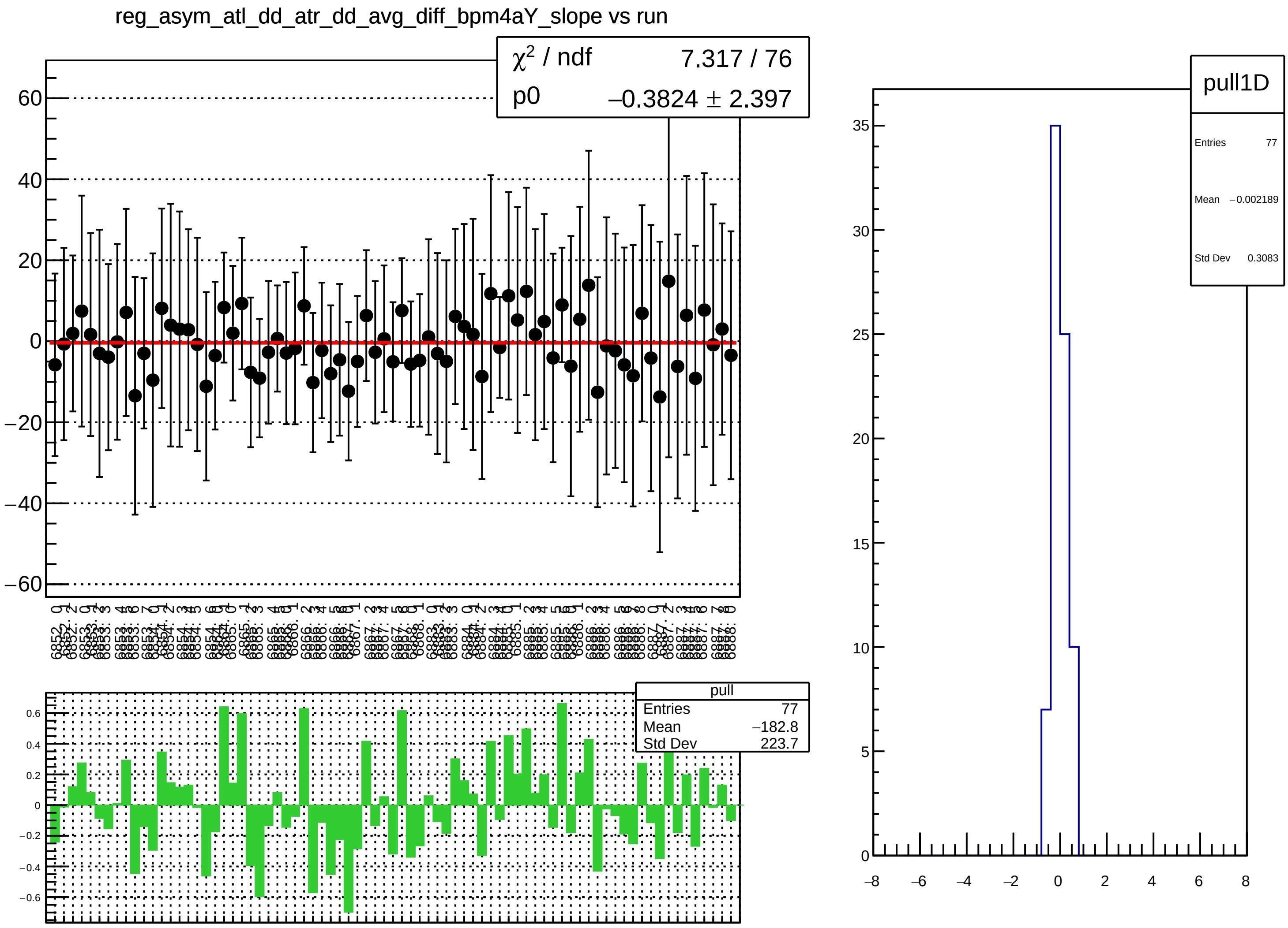
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 11.03 / 76
p0 −77.07 ± 3.485
pull
Entries 77
Mean −2354
Std Dev 2381
pull1D
Entries 77
Mean −0.0003837
Std Dev 0.3784



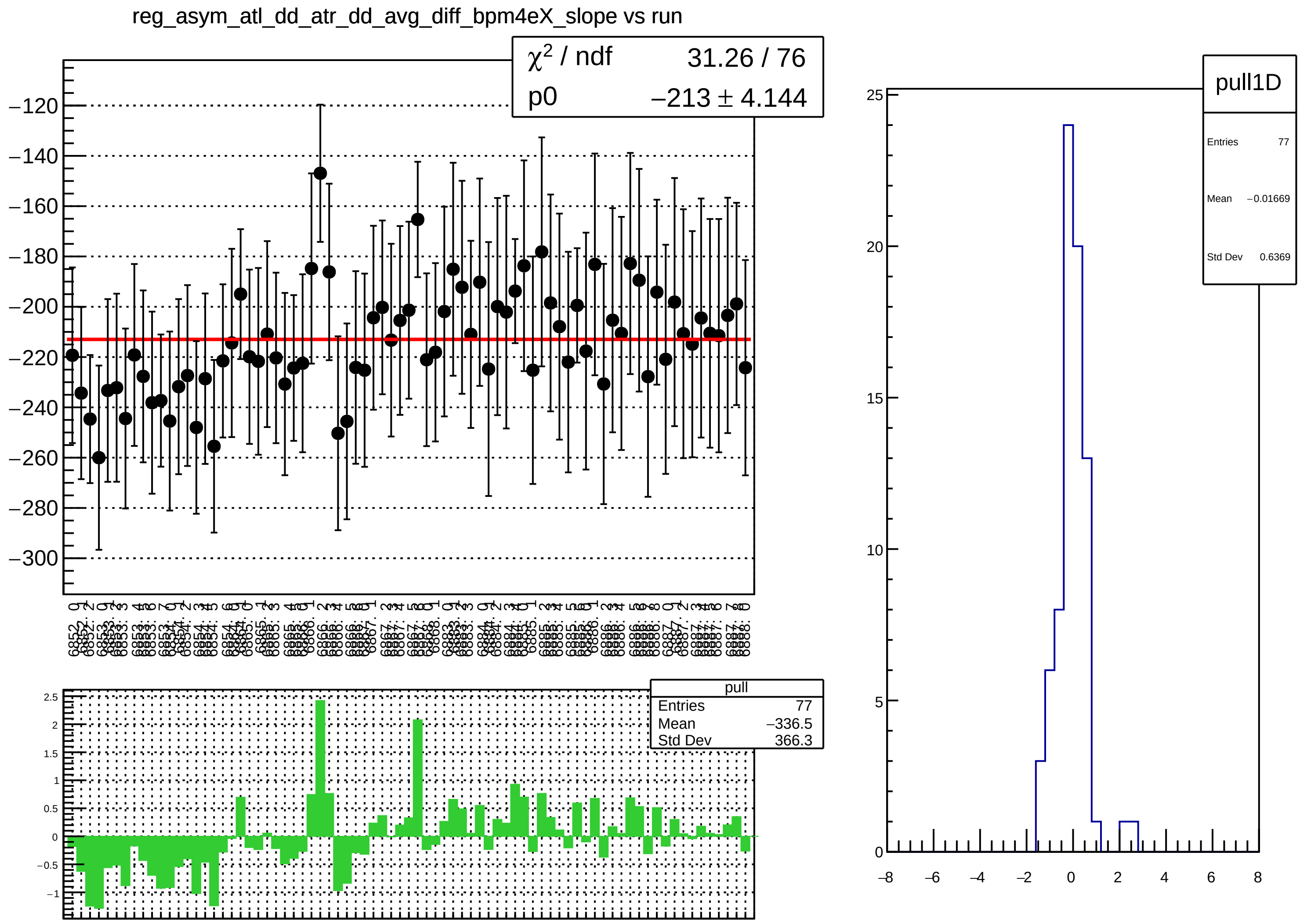
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ2 / ndf 14.85 / 76
p0 136.6 ± 0.2
141
140
139
138
137
136
135
134
133
pull
Entries 77
Mean 49.13
Std Dev 14.04
1
0.5
0
−0.5
−1
pull1D
Entries 77
Mean 0.008584
Std Dev 0.439
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



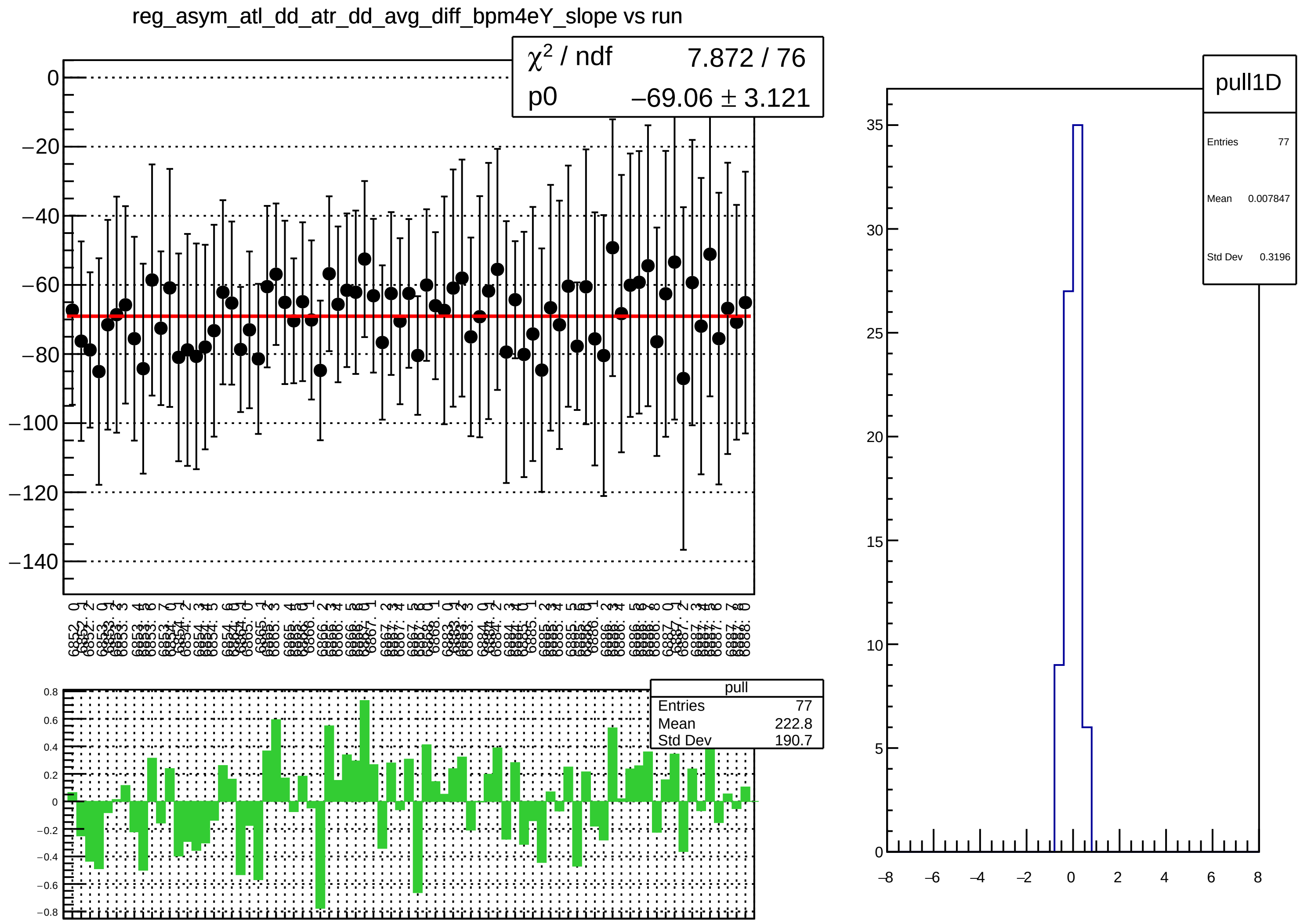
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 33.17 / 76
p0 211.9 ± 4.351
pull
Entries 77
Mean −561.3
Std Dev 594
pull1D
Entries 77
Mean 0.01299
Std Dev 0.6562

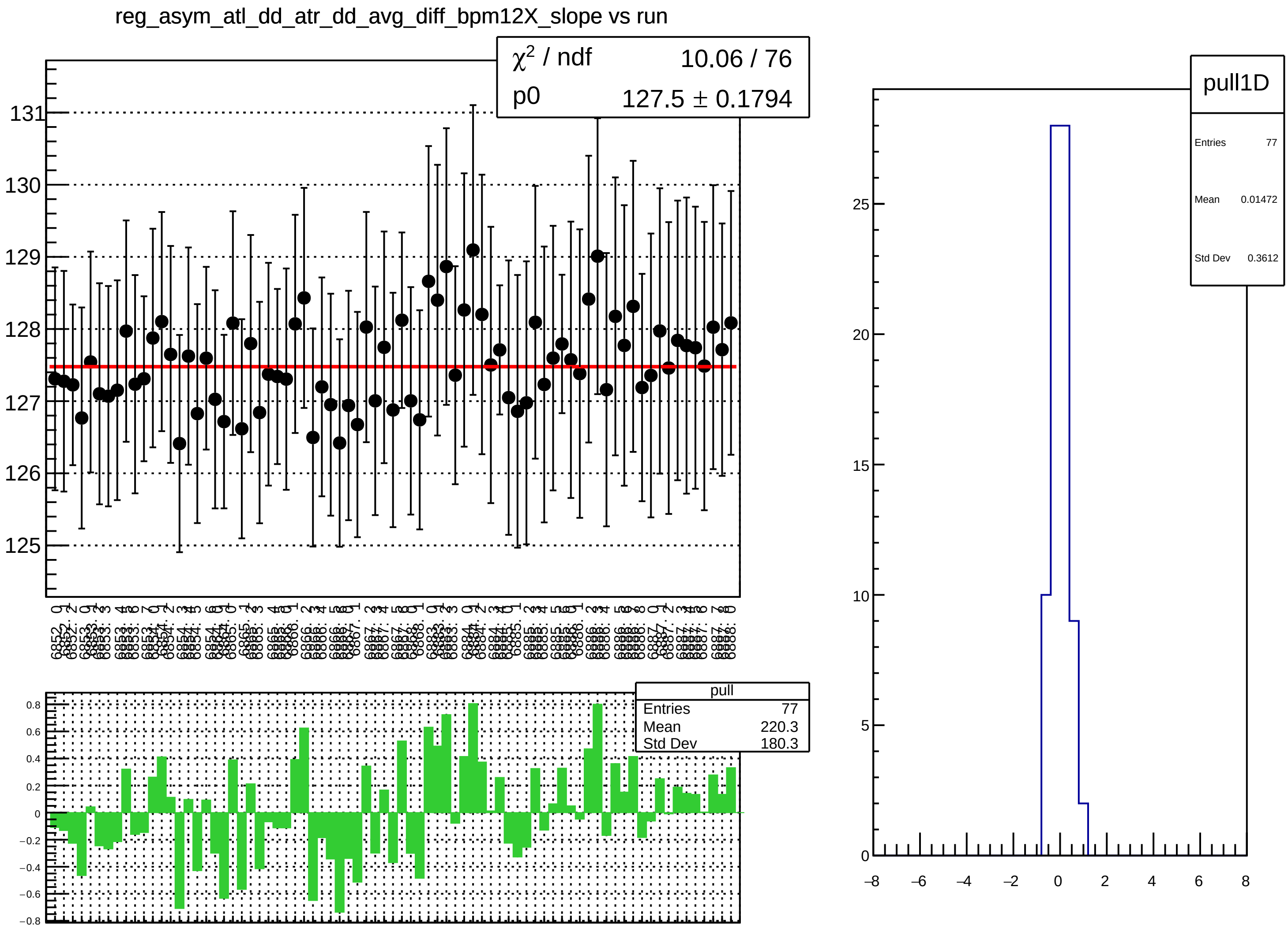


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 7.317 / 76
p0 −0.3824 ± 2.397
pull
Entries 77
Mean −182.8
Std Dev 223.7
pull1D
Entries 77
Mean −0.002189
Std Dev 0.3083

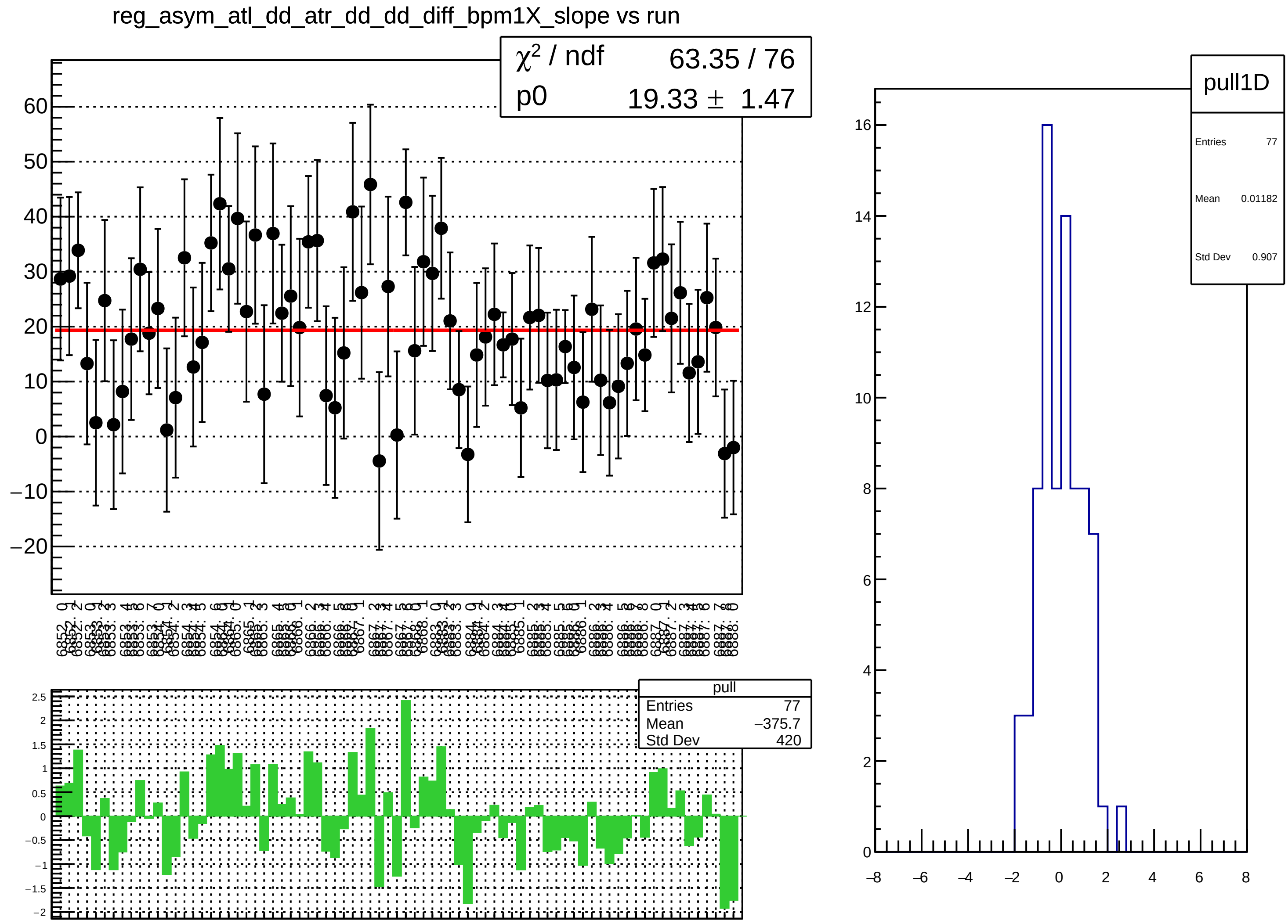


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ2 / ndf 31.26 / 76
p0 −213 ± 4.144
−120
−140
−160
−180
−200
−220
−240
−260
−280
−300
pull
Entries 77
Mean −336.5
Std Dev 366.3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 77
Mean −0.01669
Std Dev 0.6369
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

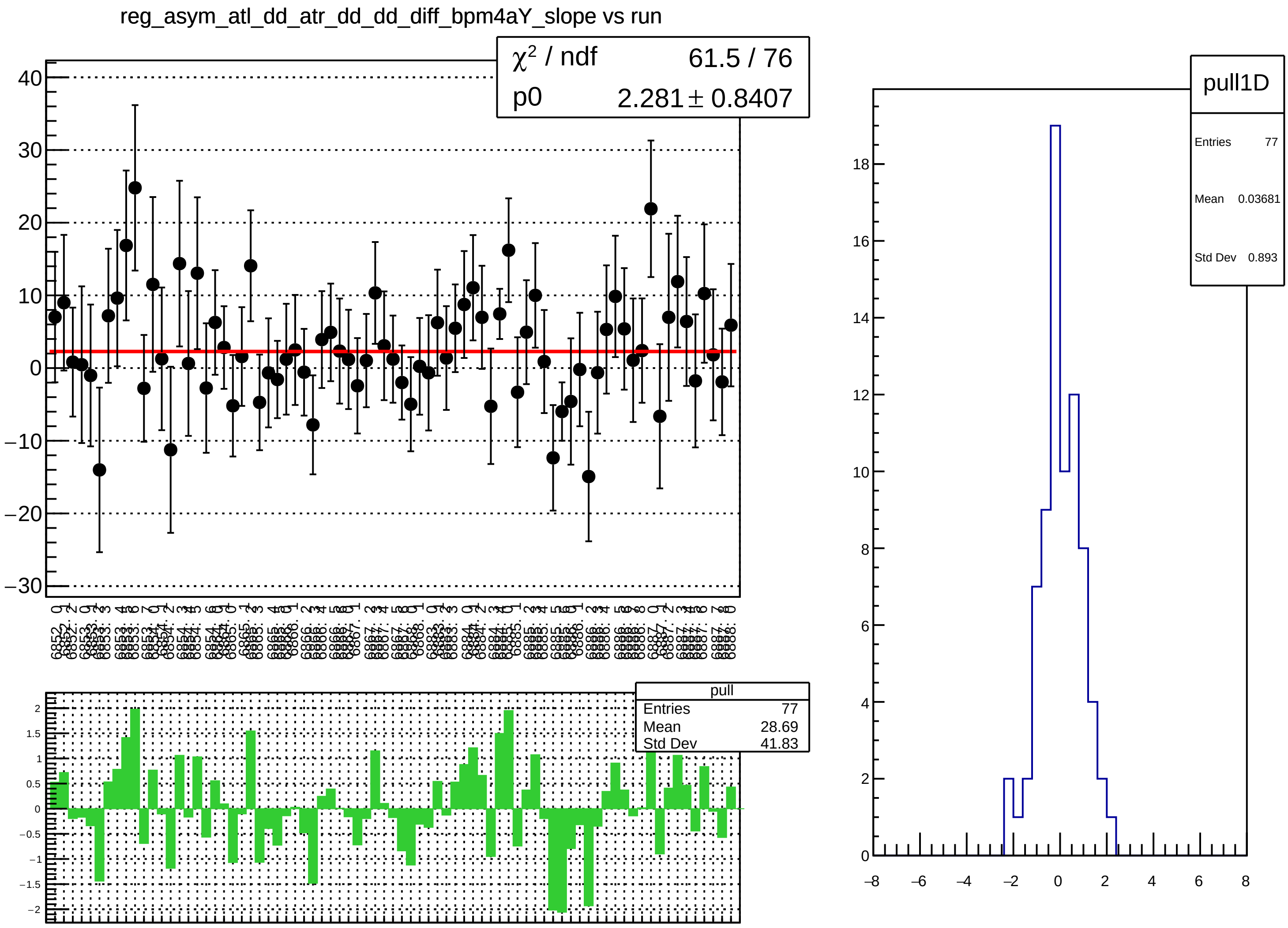

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ2 / ndf 7.872 / 76
p0 −69.06 ± 3.121
pull
Entries 77
Mean 222.8
Std Dev 190.7
pull1D
Entries 77
Mean 0.007847
Std Dev 0.3196



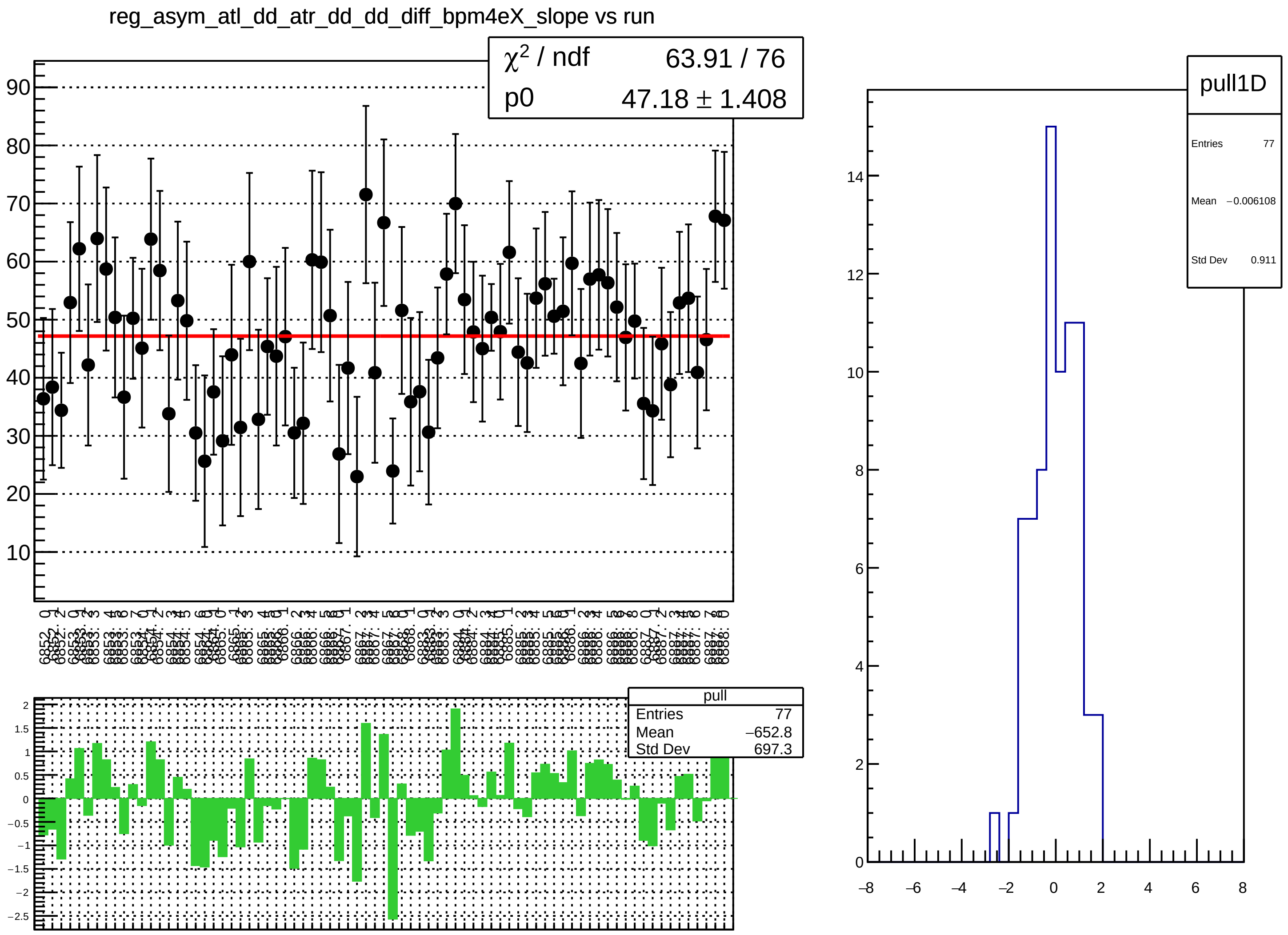
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 10.06 / 76
p0 127.5 ± 0.1794
pull
Entries 77
Mean 220.3
Std Dev 180.3
pull1D
Entries 77
Mean 0.01472
Std Dev 0.3612



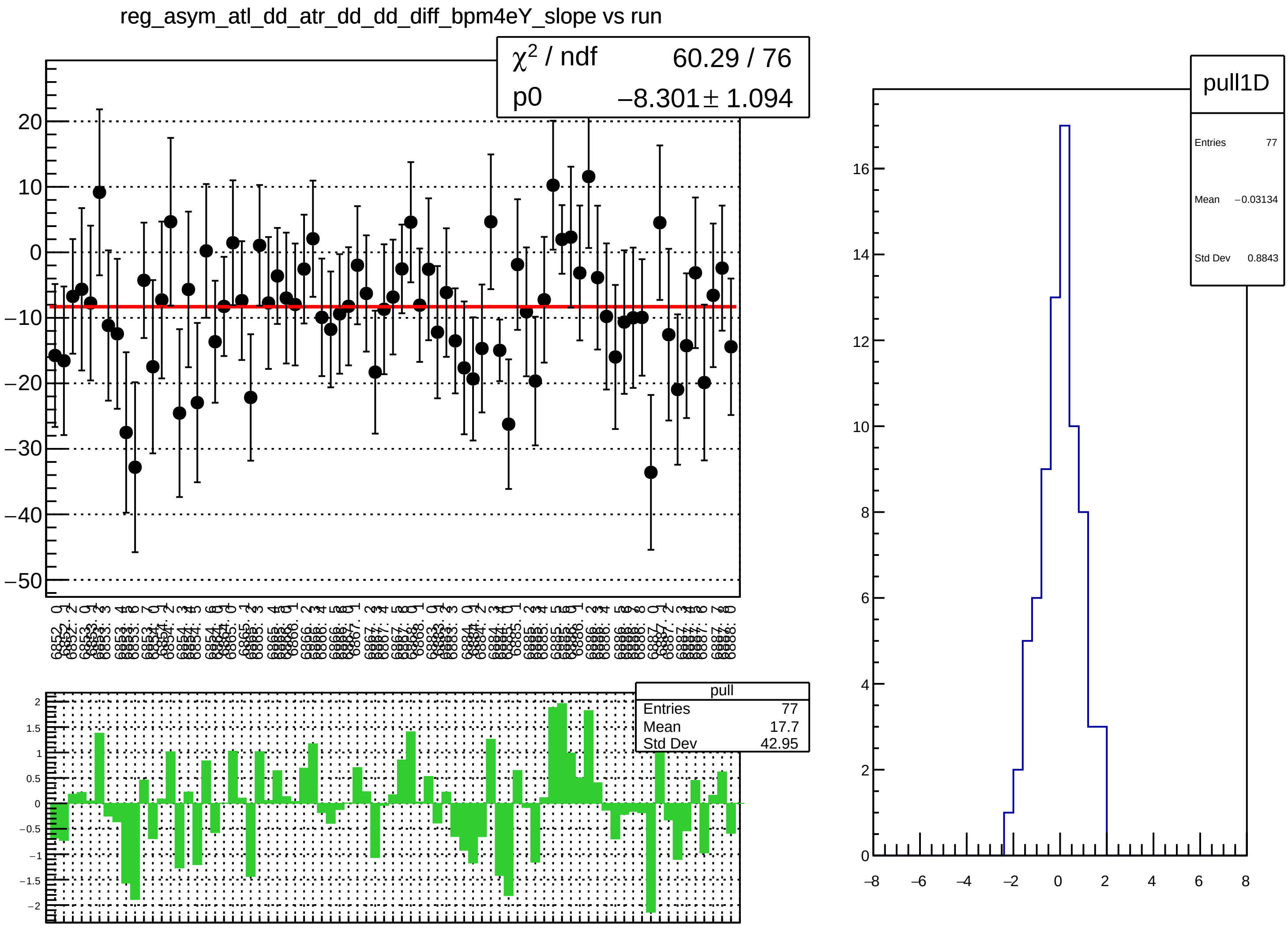
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 63.35 / 76
p0 19.33 ± 1.47
pull
Entries 77
Mean −375.7
Std Dev 420
pull1D
Entries 77
Mean 0.01182
Std Dev 0.907



reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 61.5 / 76
p0 2.281 ± 0.8407
pull
Entries 77
Mean 28.69
Std Dev 41.83
pull1D
Entries 77
Mean 0.03681
Std Dev 0.893

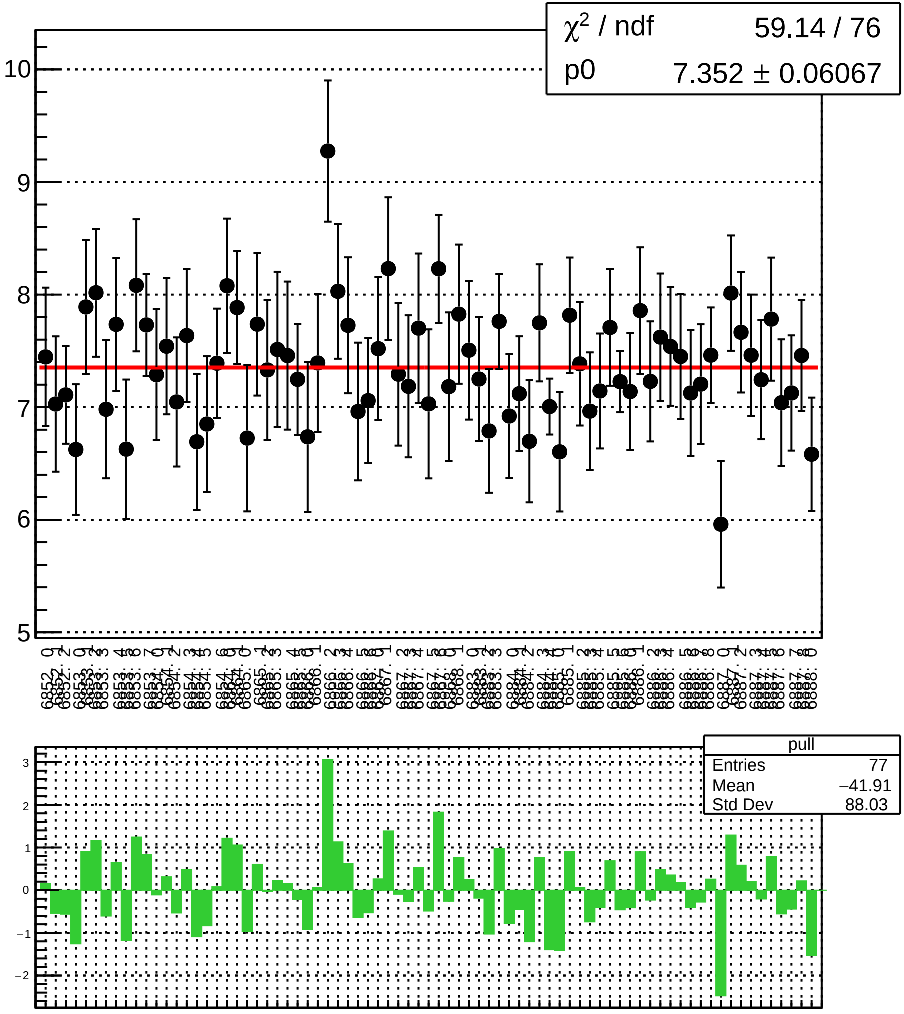


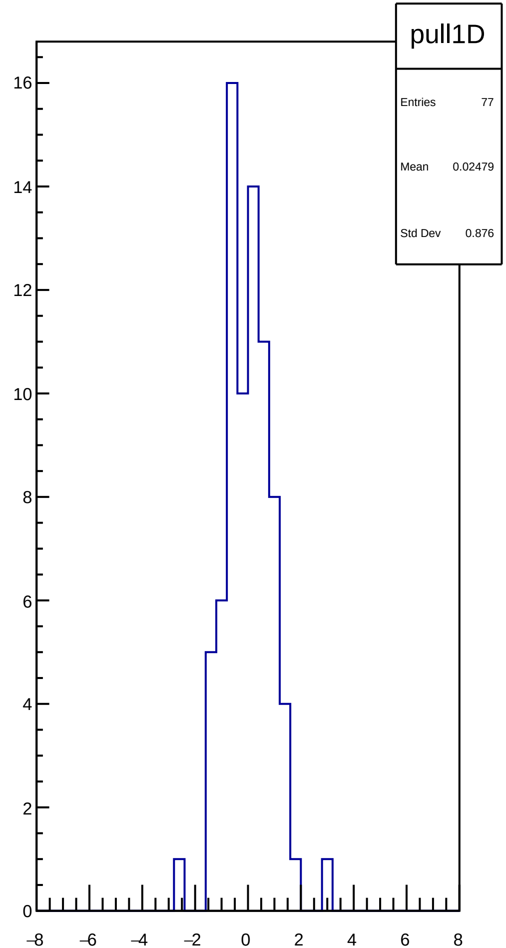
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 63.91 / 76
p0 47.18 ± 1.408
pull
Entries 77
Mean −652.8
Std Dev 697.3
pull1D
Entries 77
Mean −0.006108
Std Dev 0.911

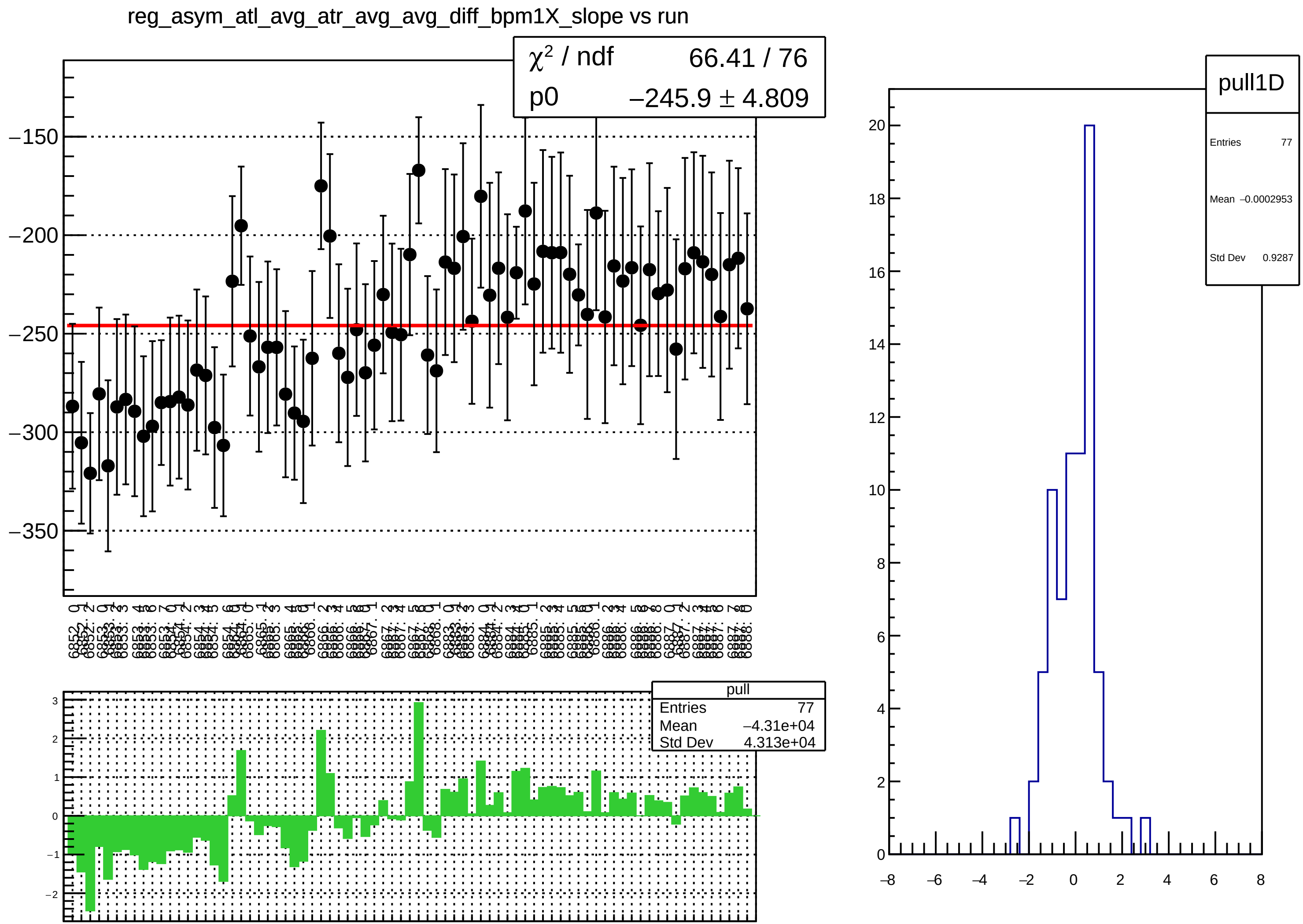


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 60.29 / 76
p0 −8.301 ± 1.094
pull
Entries 77
Mean 17.7
Std Dev 42.95
pull1D
Entries 77
Mean −0.03134
Std Dev 0.8843

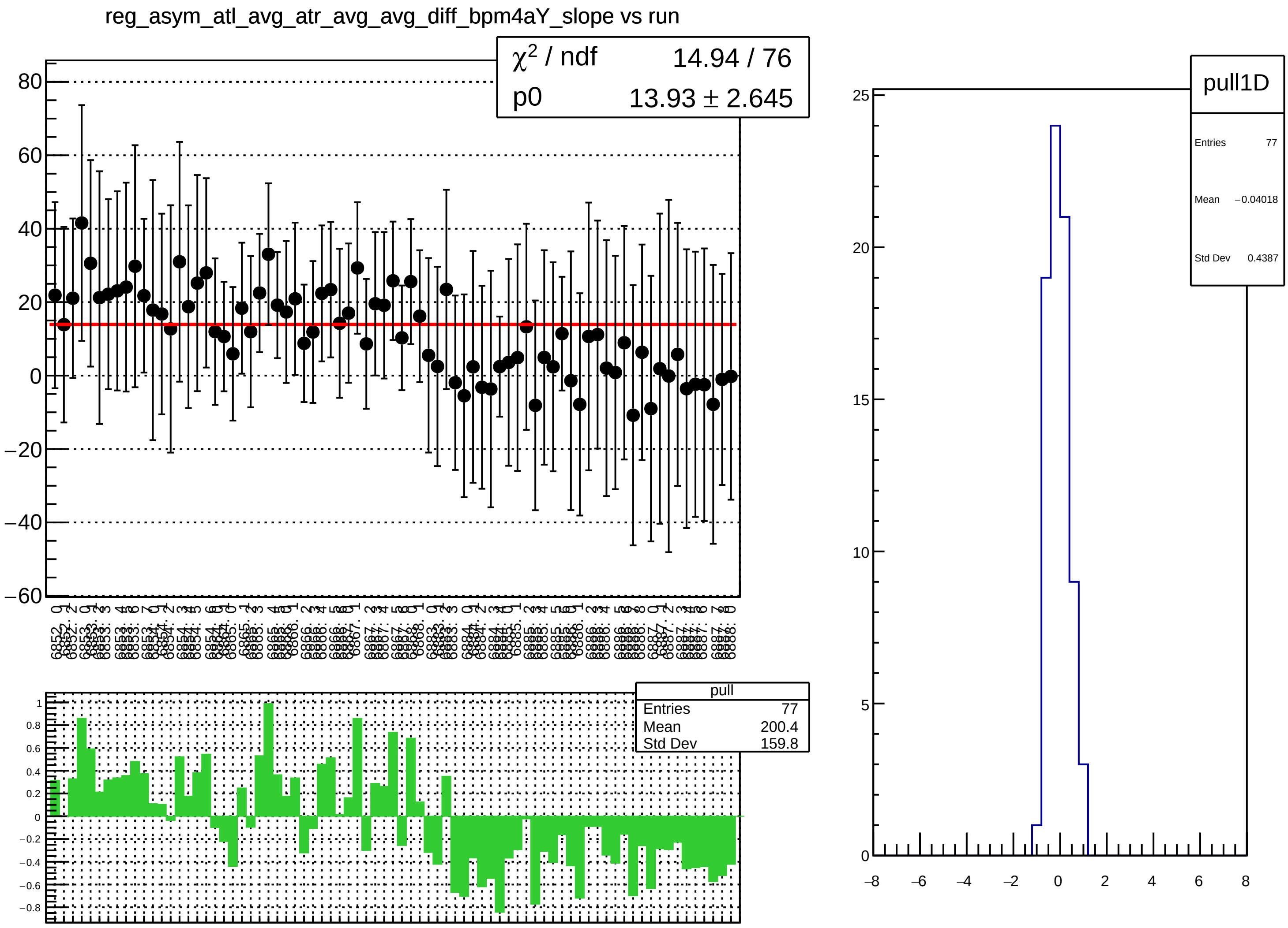
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run



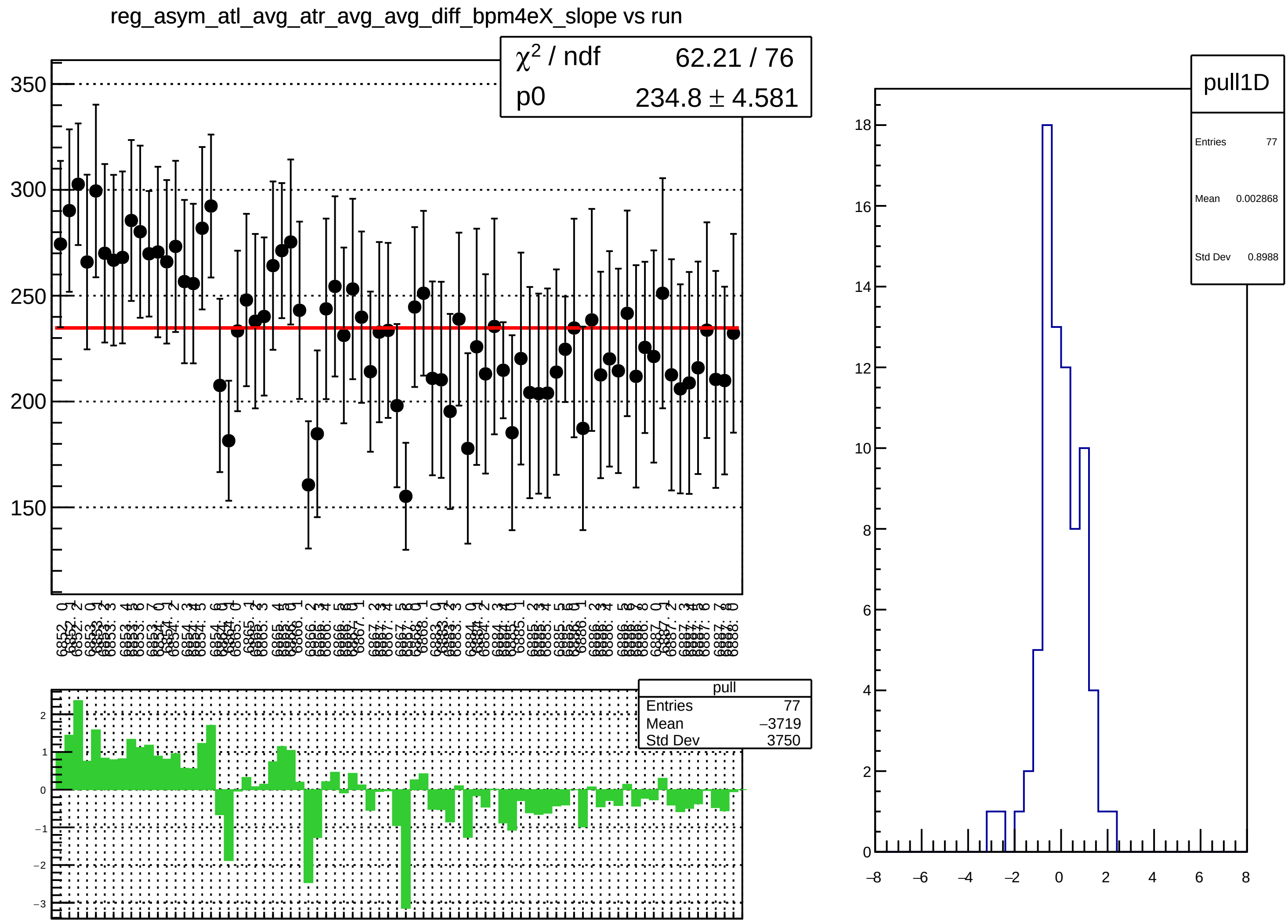





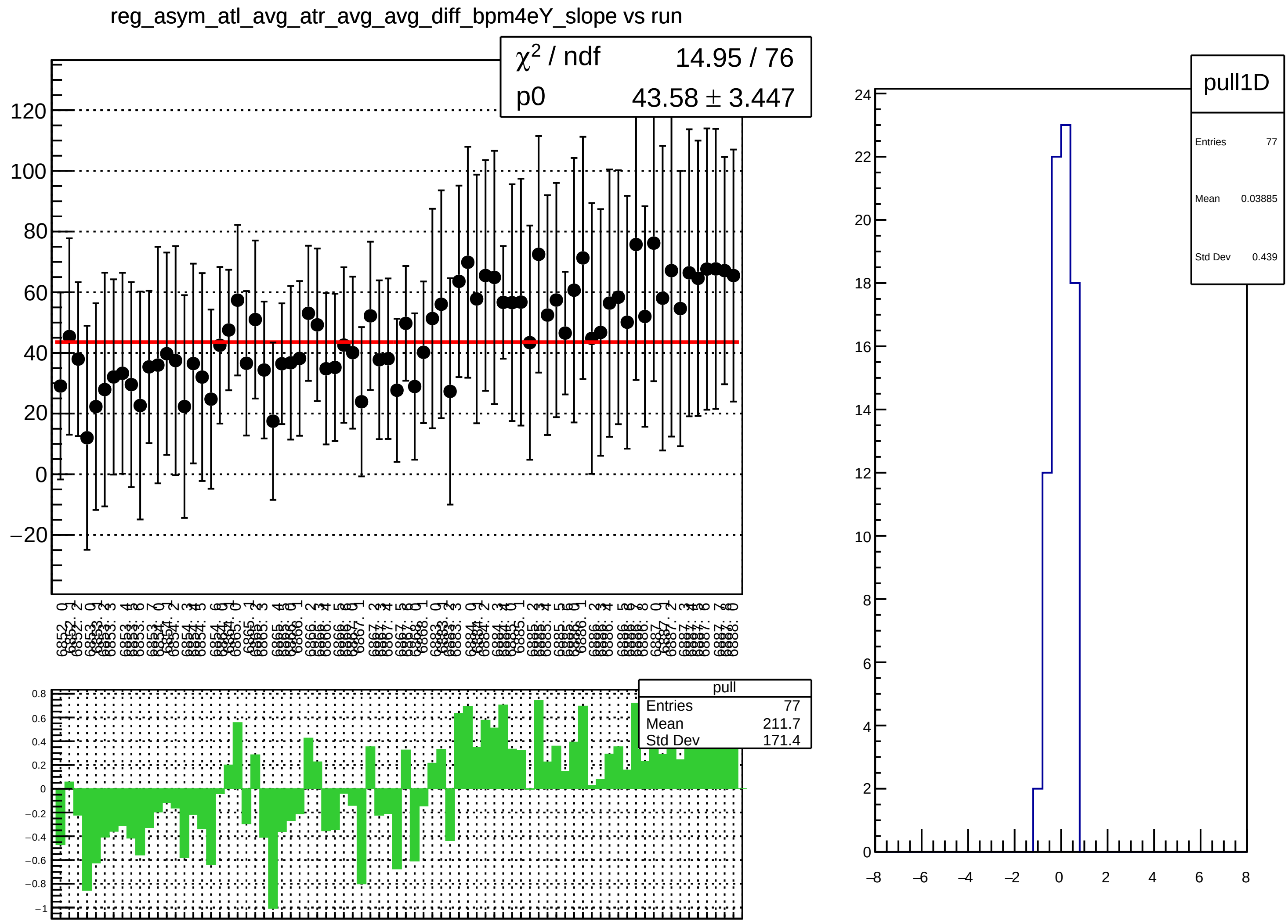
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ2 / ndf 66.41 / 76
p0 −245.9 ± 4.809
pull
Entries 77
Mean −4.31e+04
Std Dev 4.313e+04
pull1D
Entries 77
Mean −0.0002953
Std Dev 0.9287



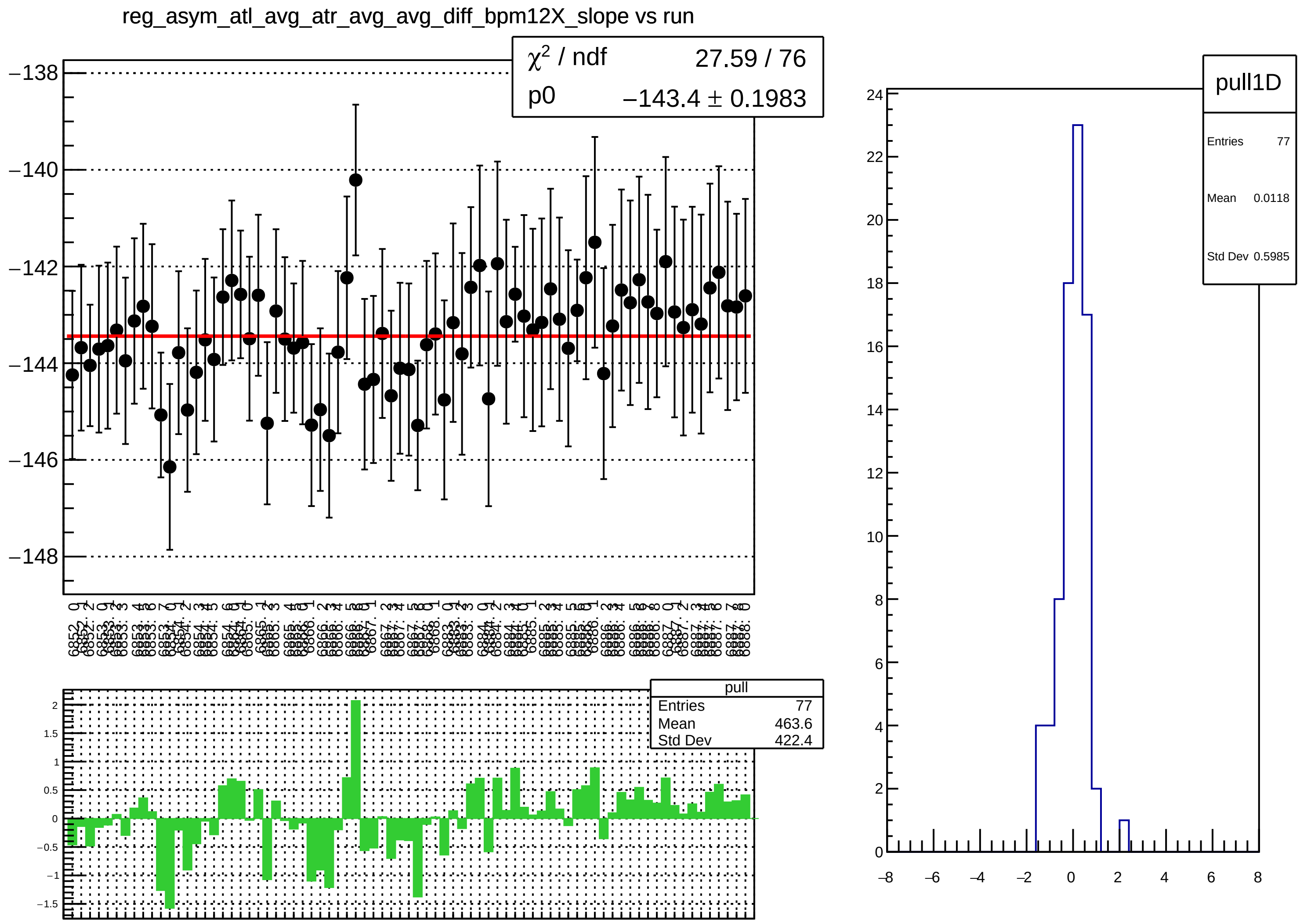
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 14.94 / 76
p0 13.93 ± 2.645
pull
Entries 77
Mean 200.4
Std Dev 159.8
pull1D
Entries 77
Mean −0.04018
Std Dev 0.4387



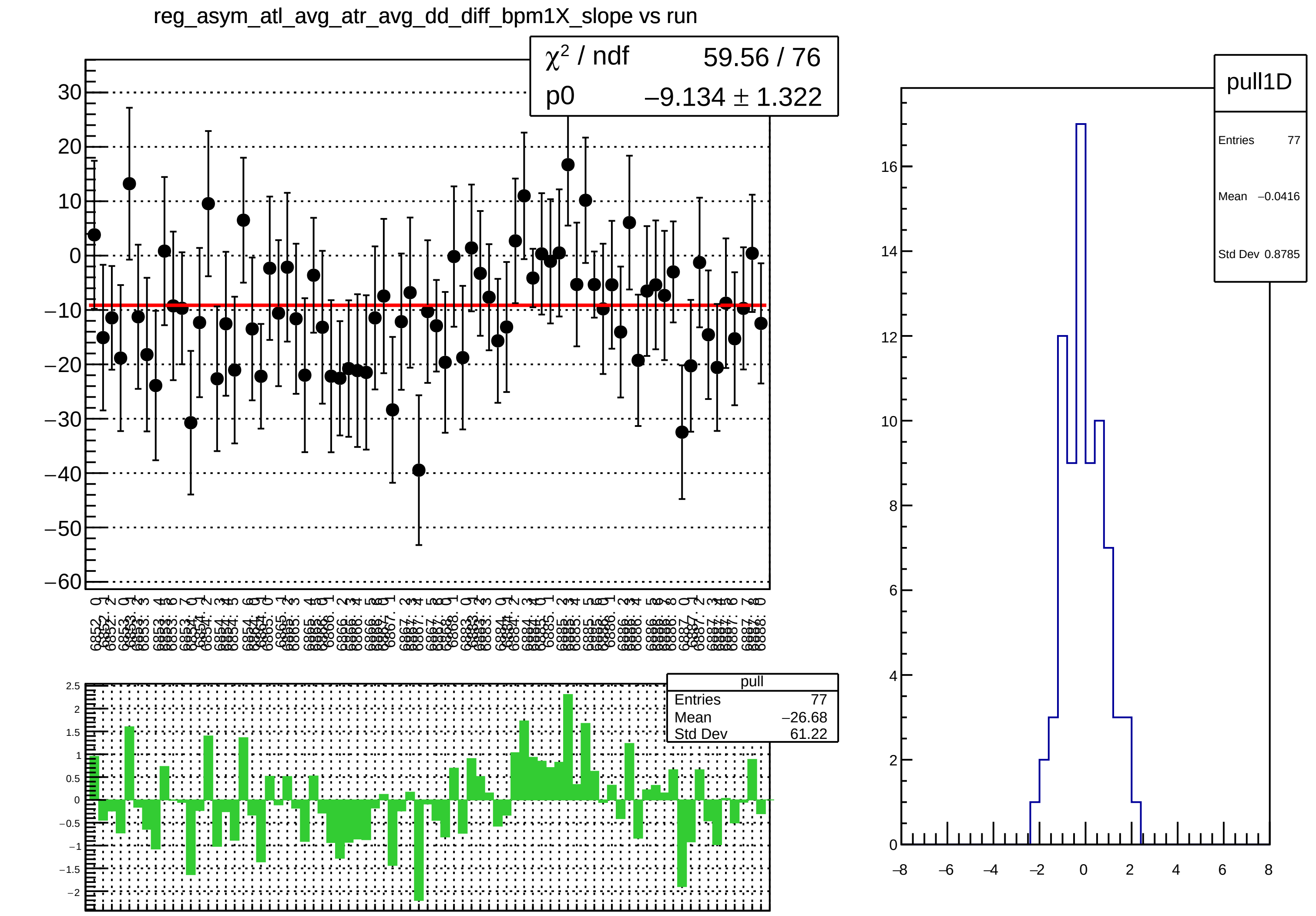
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ2 / ndf 62.21 / 76
p0 234.8 ± 4.581
pull
Entries 77
Mean −3719
Std Dev 3750
pull1D
Entries 77
Mean 0.002868
Std Dev 0.8988



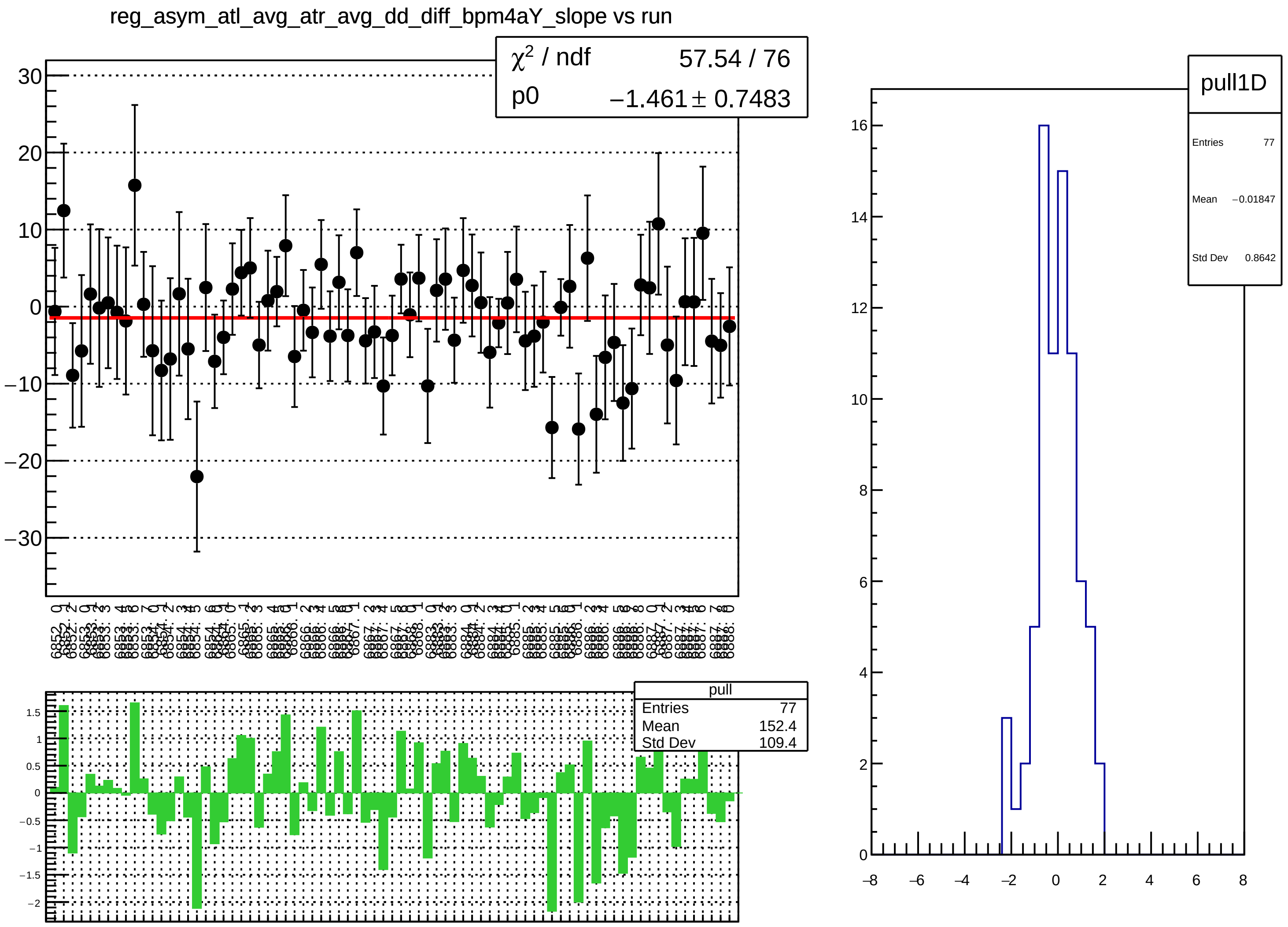
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 14.95 / 76
p0 43.58 ± 3.447
pull
Entries 77
Mean 211.7
Std Dev 171.4
pull1D
Entries 77
Mean 0.03885
Std Dev 0.439



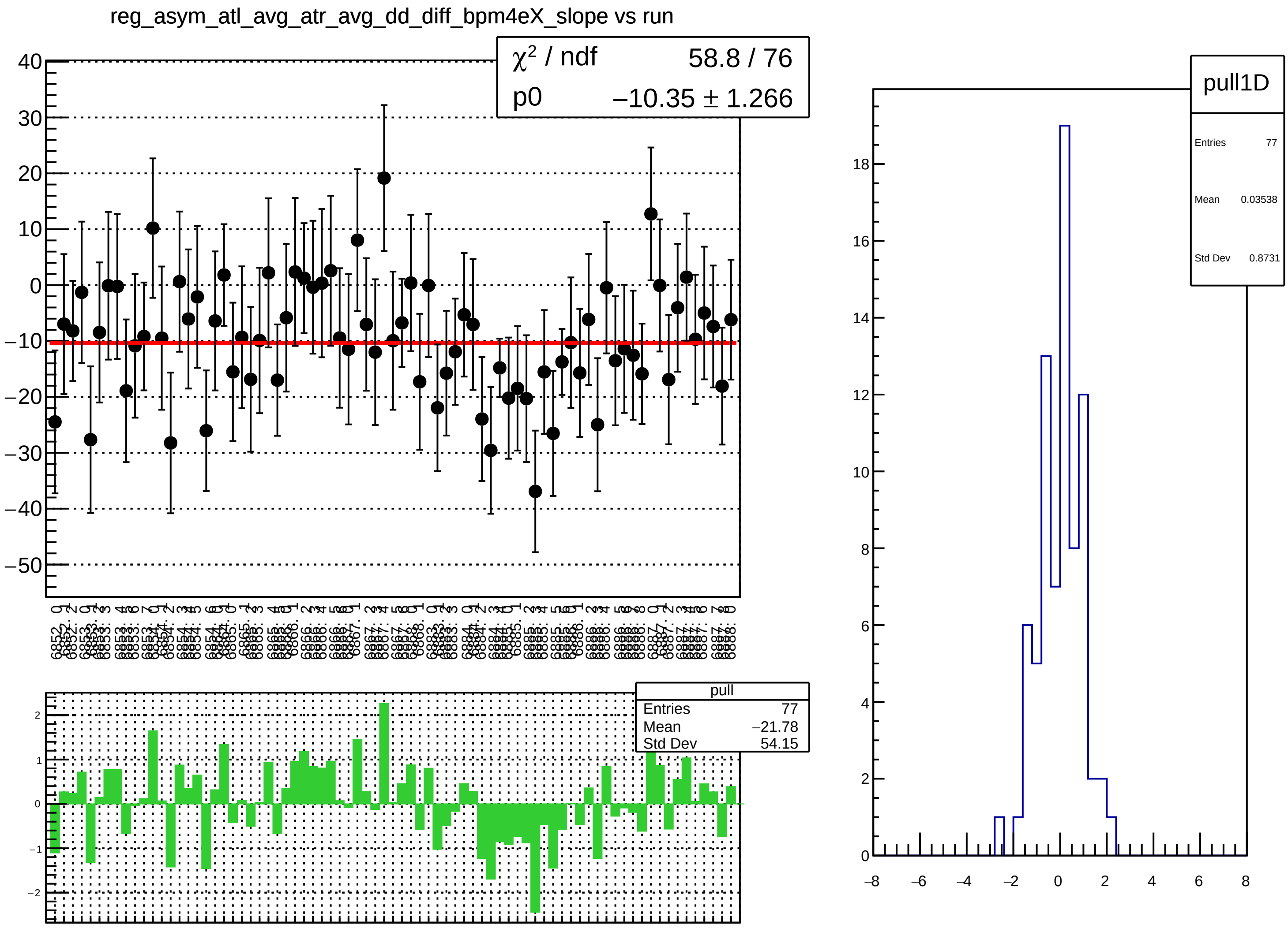
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ2 / ndf 27.59 / 76
p0 −143.4 ± 0.1983
pull
Entries 77
Mean 463.6
Std Dev 422.4
pull1D
Entries 77
Mean 0.0118
Std Dev 0.5985



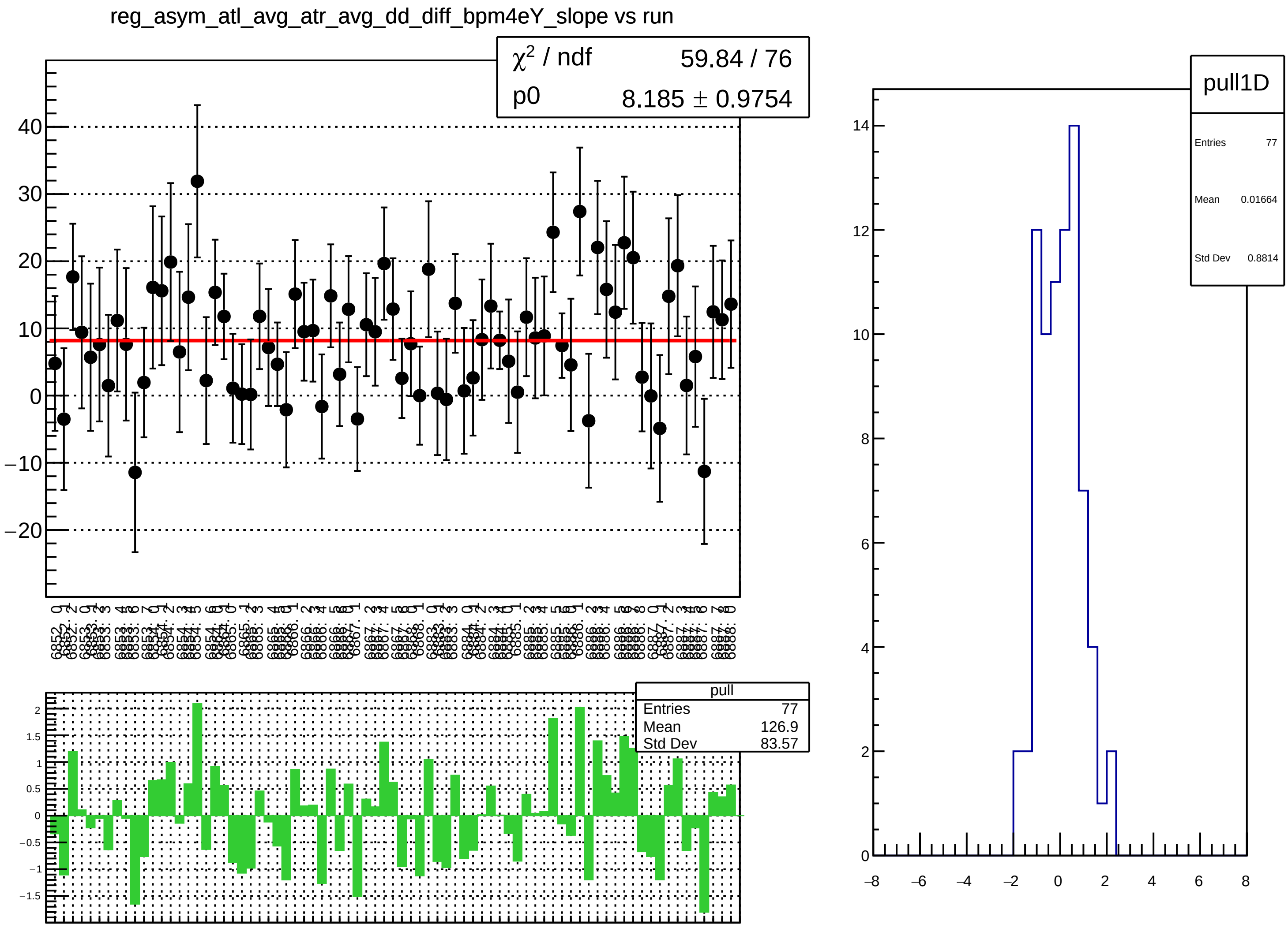
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 59.56 / 76
p0 −9.134 ± 1.322
pull
Entries 77
Mean −26.68
Std Dev 61.22
pull1D
Entries 77
Mean −0.0416
Std Dev 0.8785



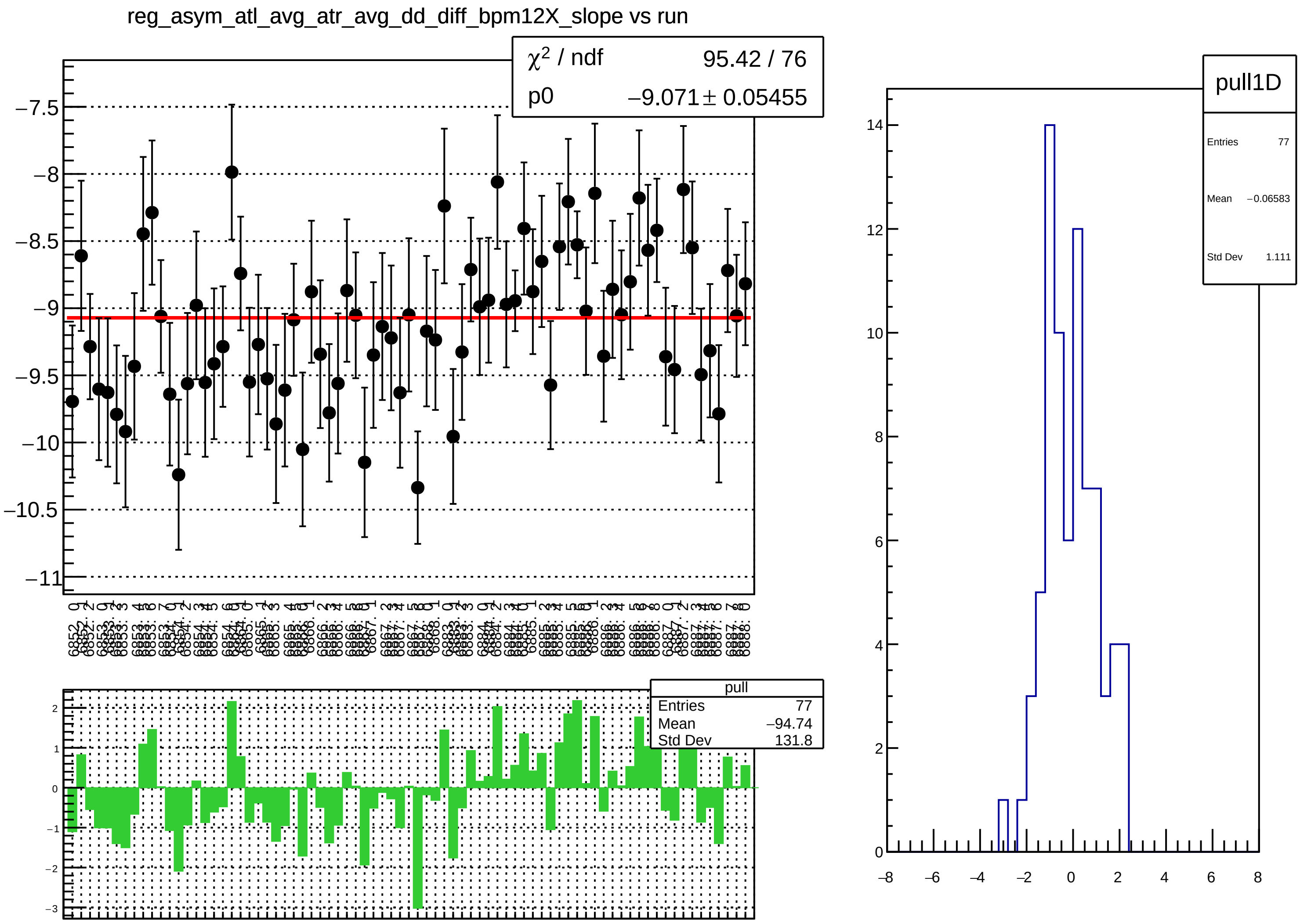
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ2 / ndf 57.54 / 76
p0 −1.461 ± 0.7483
pull
Entries 77
Mean 152.4
Std Dev 109.4
pull1D
Entries 77
Mean −0.01847
Std Dev 0.8642

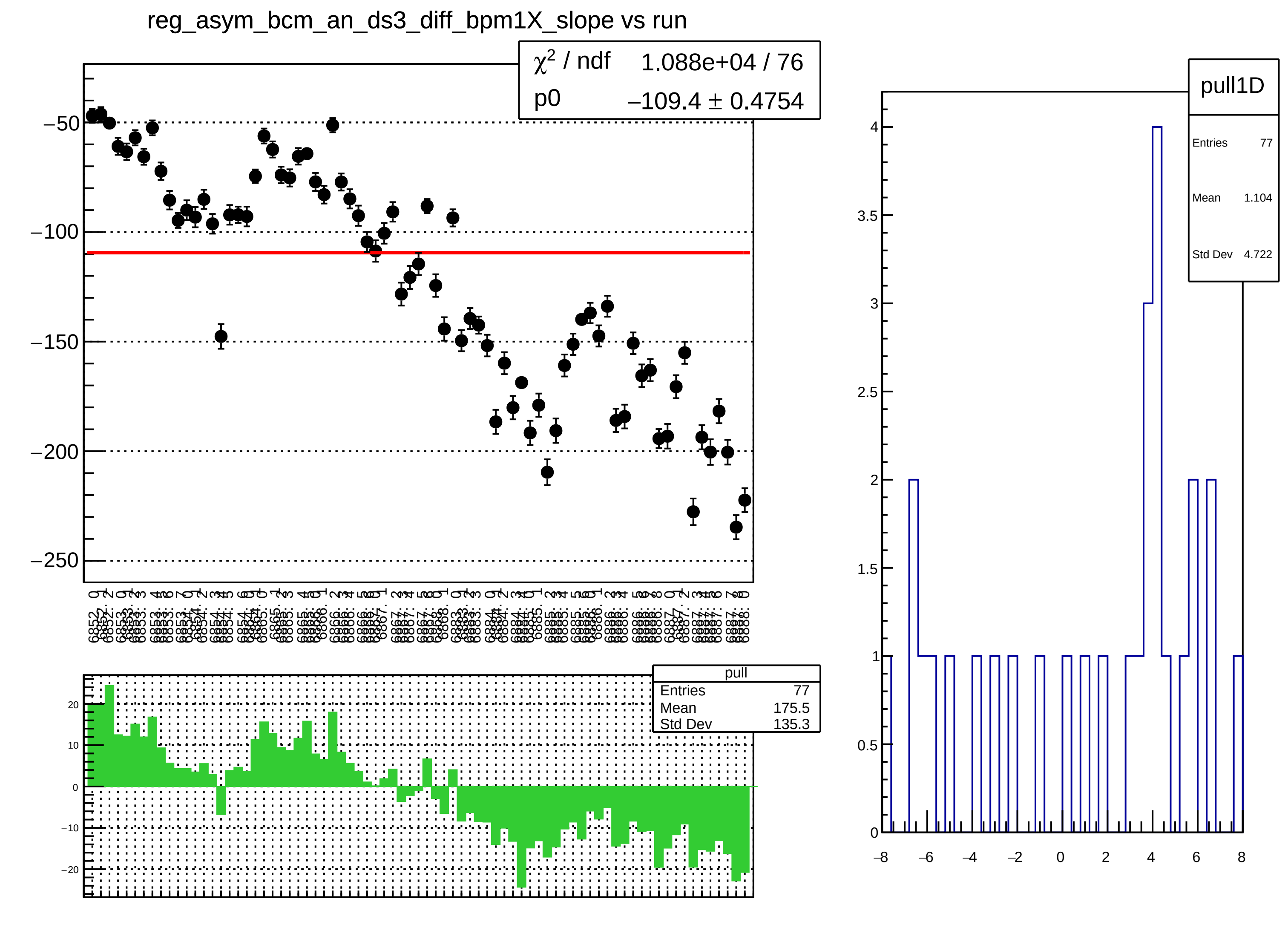


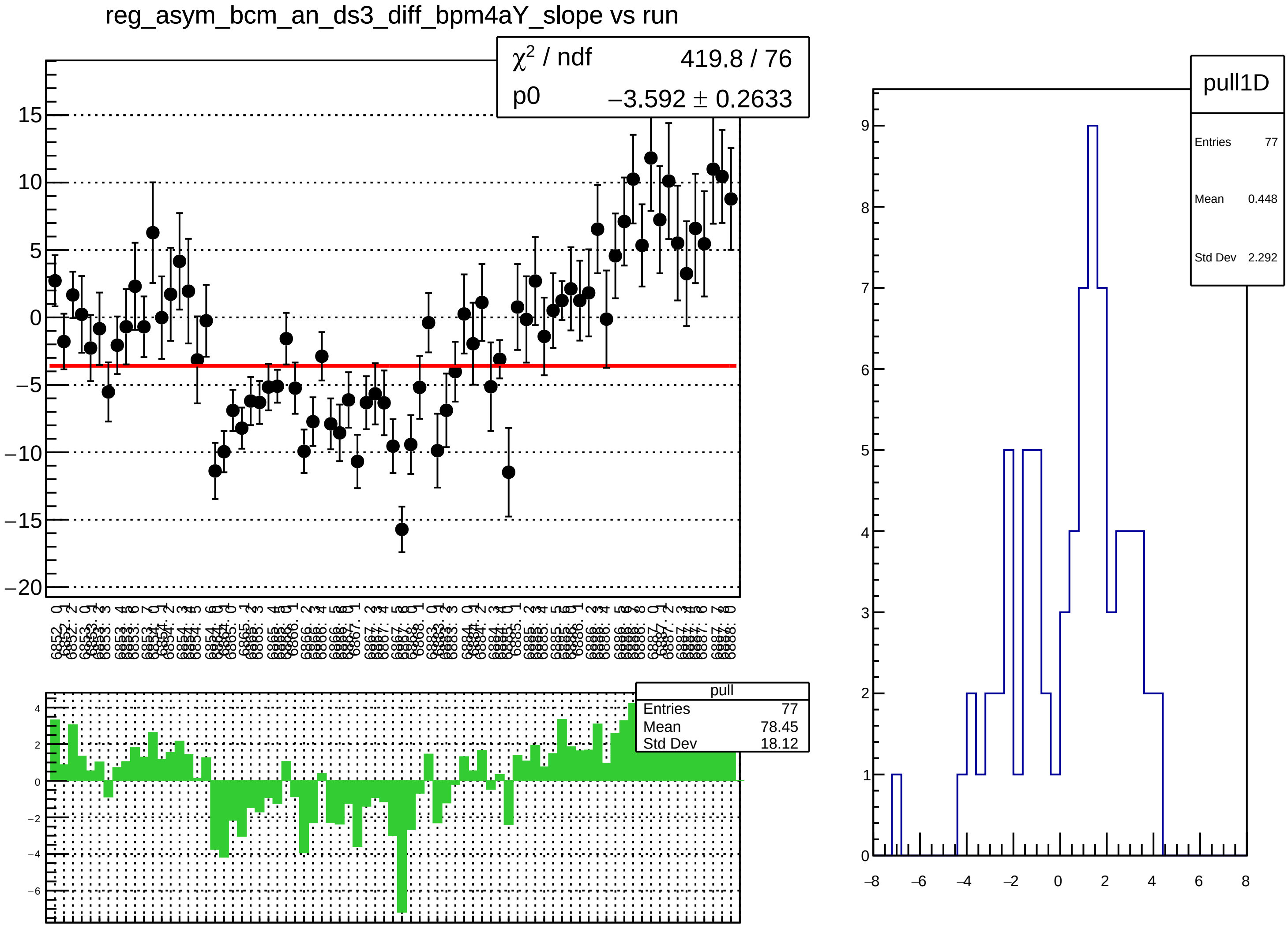
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 58.8 / 76
p0 −10.35 ± 1.266
pull
Entries 77
Mean −21.78
Std Dev 54.15
pull1D
Entries 77
Mean 0.03538
Std Dev 0.8731



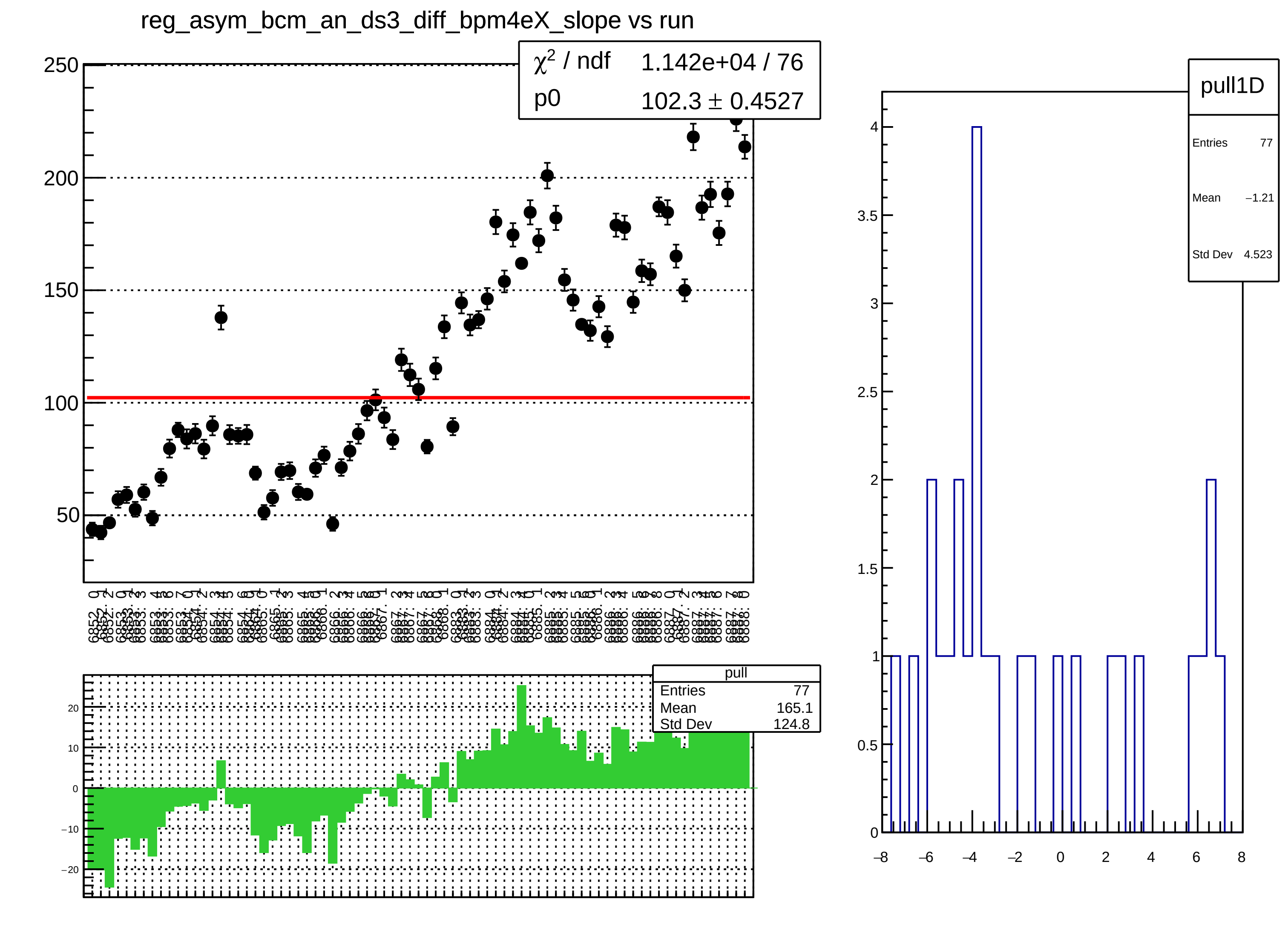
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ2 / ndf 59.84 / 76
p0 8.185 ± 0.9754
pull
Entries 77
Mean 126.9
Std Dev 83.57
pull1D
Entries 77
Mean 0.01664
Std Dev 0.8814


reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 95.42 / 76
p0 −9.071 ± 0.05455
pull
Entries 77
Mean −94.74
Std Dev 131.8
pull1D
Entries 77
Mean −0.06583
Std Dev 1.111

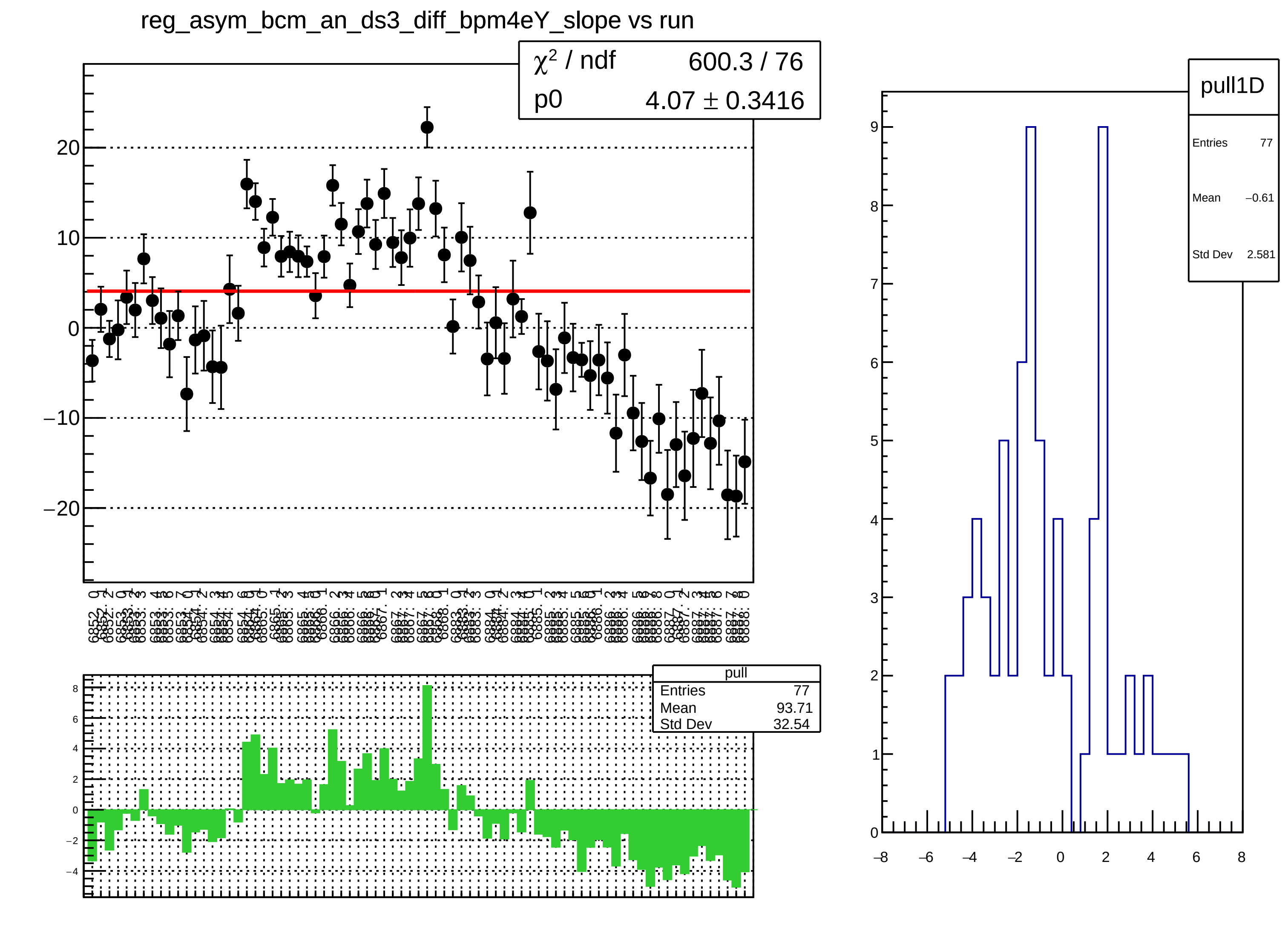

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
$\chi^2$ / ndf 1.088e+04 / 76
p0 −109.4 ± 0.4754
−50
−100
−150
−200
−250
pull
Entries 77
Mean 175.5
Std Dev 135.3
20
10
0
−10
−20
pull1D
Entries 77
Mean 1.104
Std Dev 4.722
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8



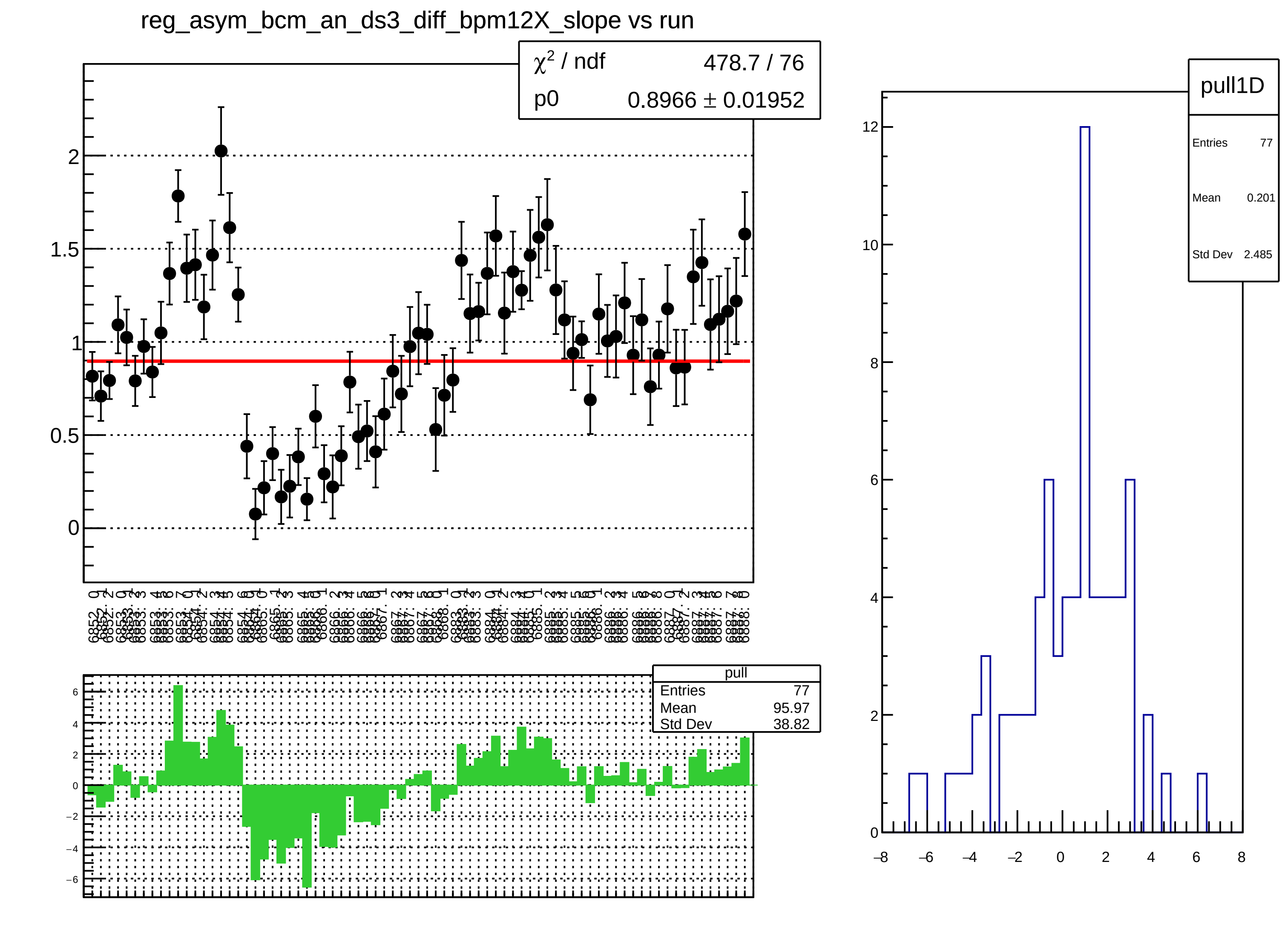
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 419.8 / 76
p0 −3.592 ± 0.2633
pull
Entries 77
Mean 78.45
Std Dev 18.12
pull1D
Entries 77
Mean 0.448
Std Dev 2.292

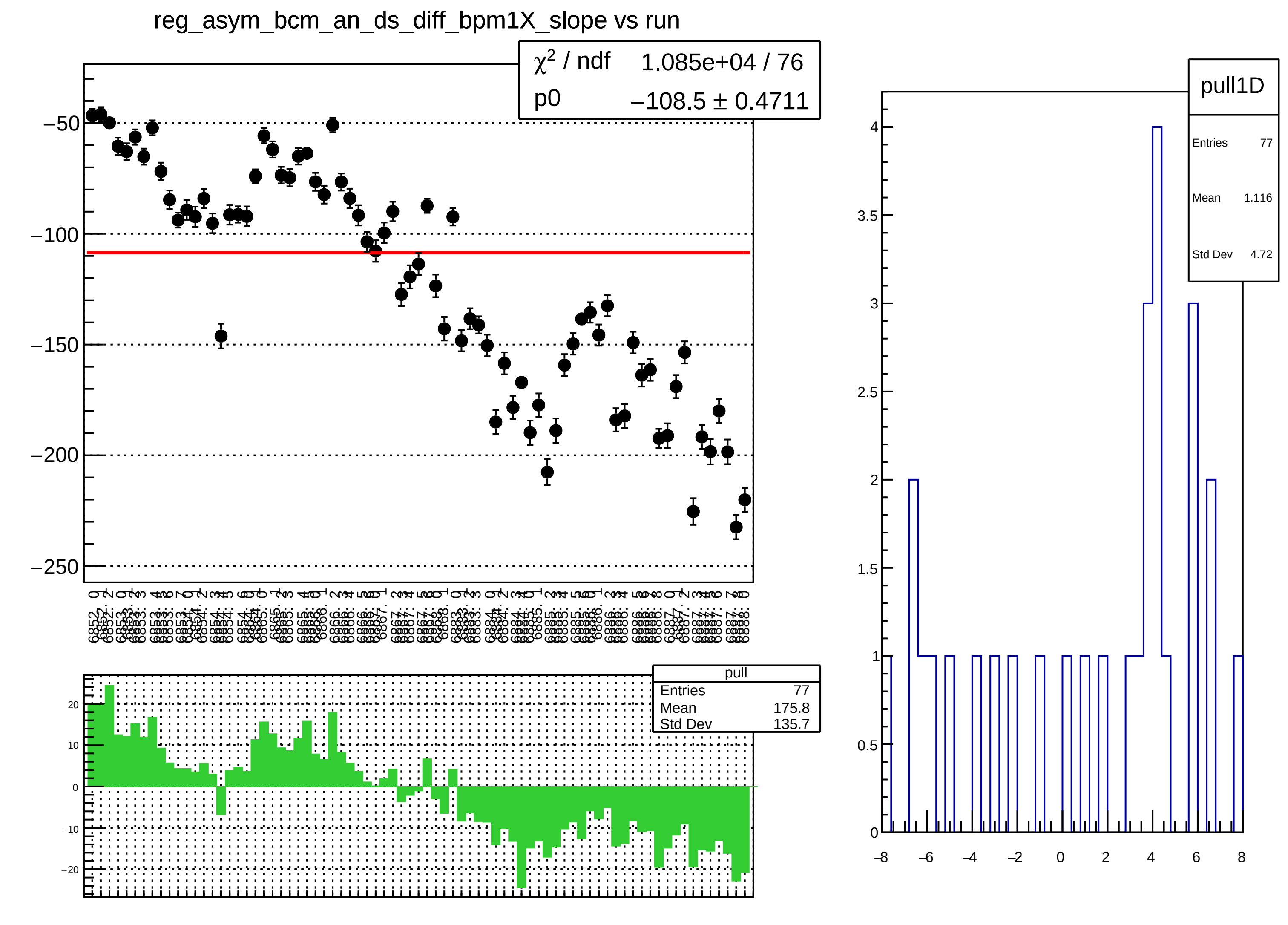


reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 1.142e+04 / 76
p0 102.3 ± 0.4527
pull
Entries 77
Mean 165.1
Std Dev 124.8
pull1D
Entries 77
Mean −1.21
Std Dev 4.523

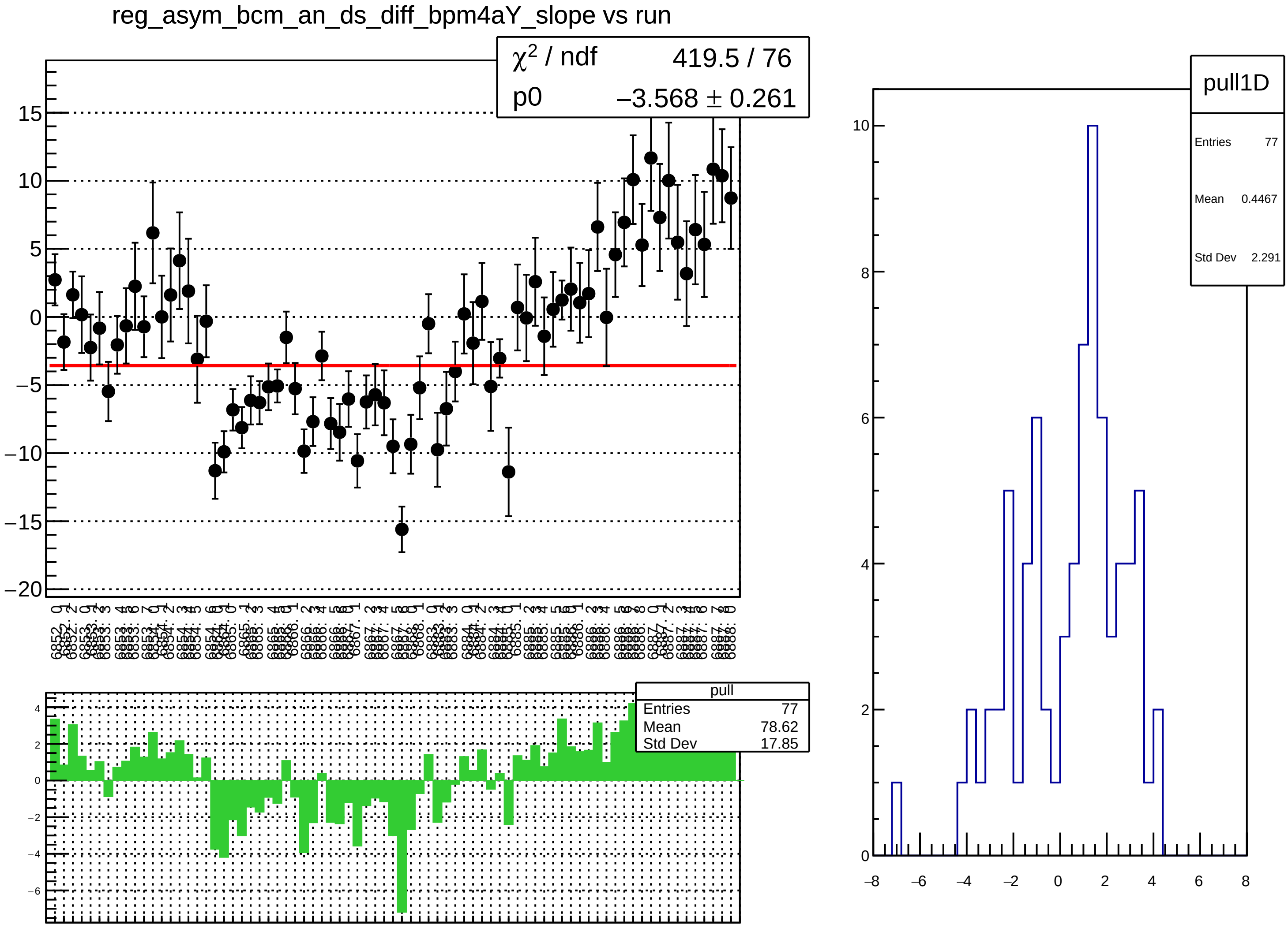


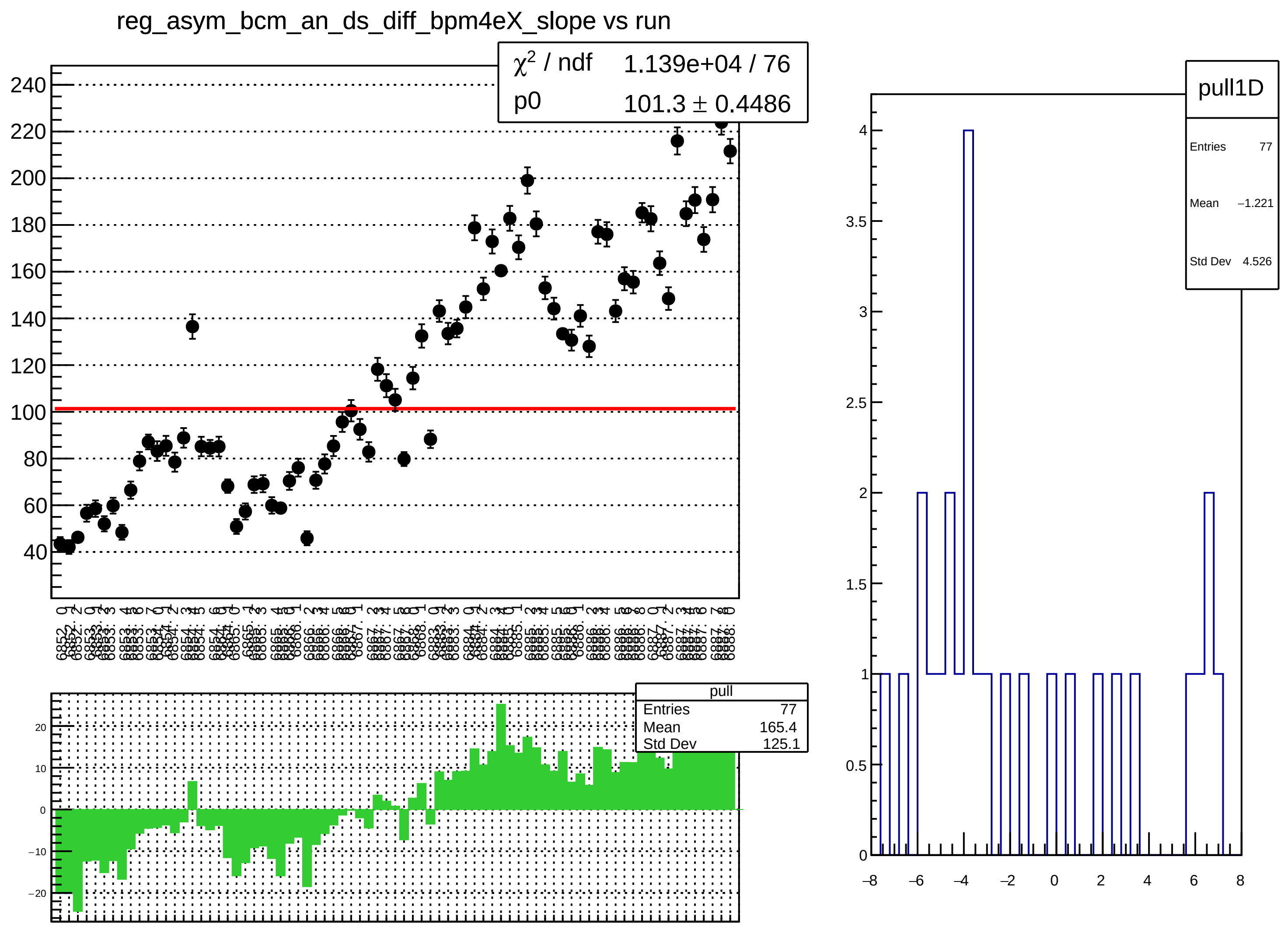
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 600.3 / 76
p0 4.07 ± 0.3416
pull
Entries 77
Mean 93.71
Std Dev 32.54
pull1D
Entries 77
Mean −0.61
Std Dev 2.581


reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
$\chi^2$ / ndf 478.7 / 76
p0 0.8966 ± 0.01952
pull
Entries 77
Mean 95.97
Std Dev 38.82
pull1D
Entries 77
Mean 0.201
Std Dev 2.485

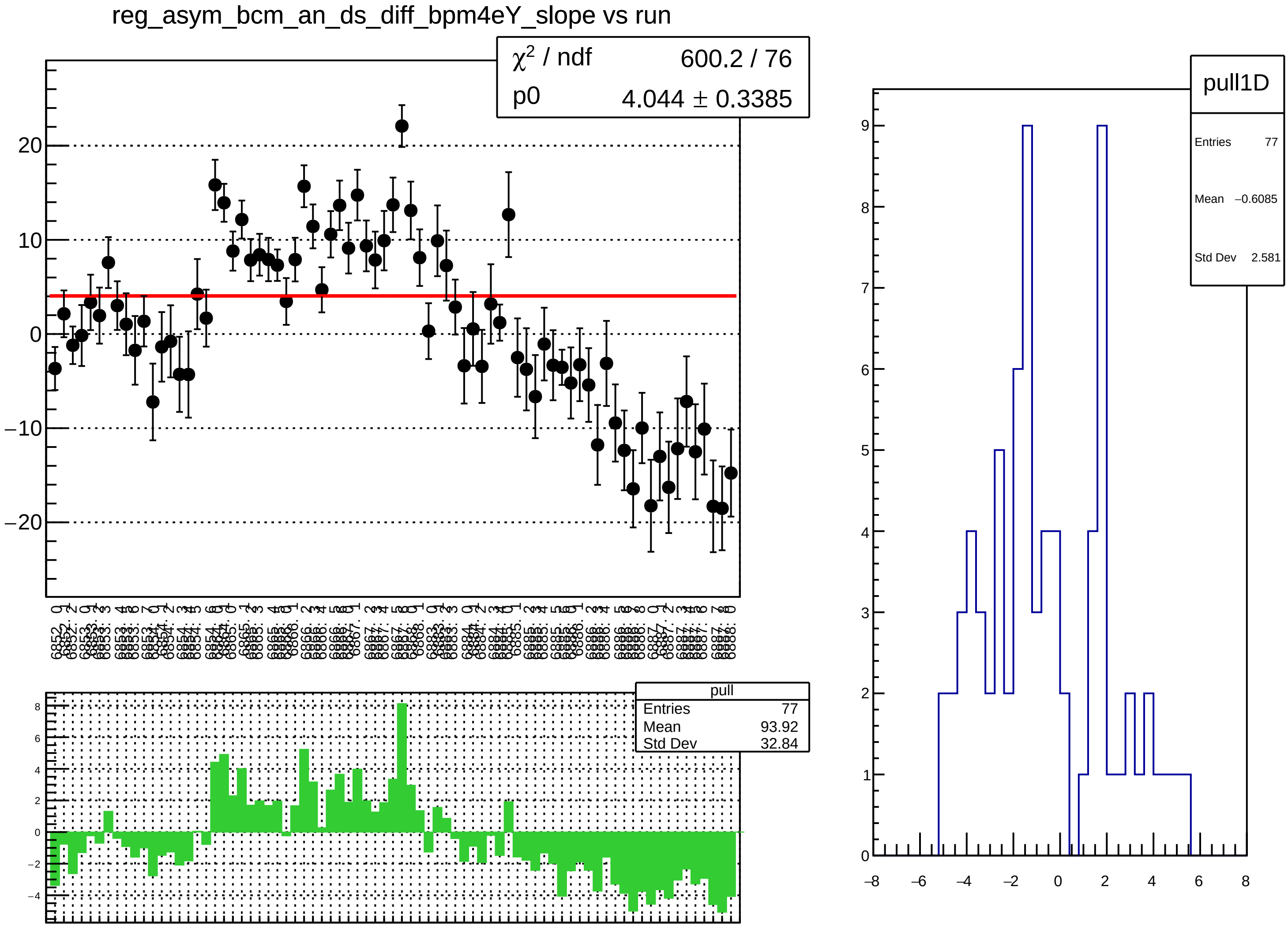


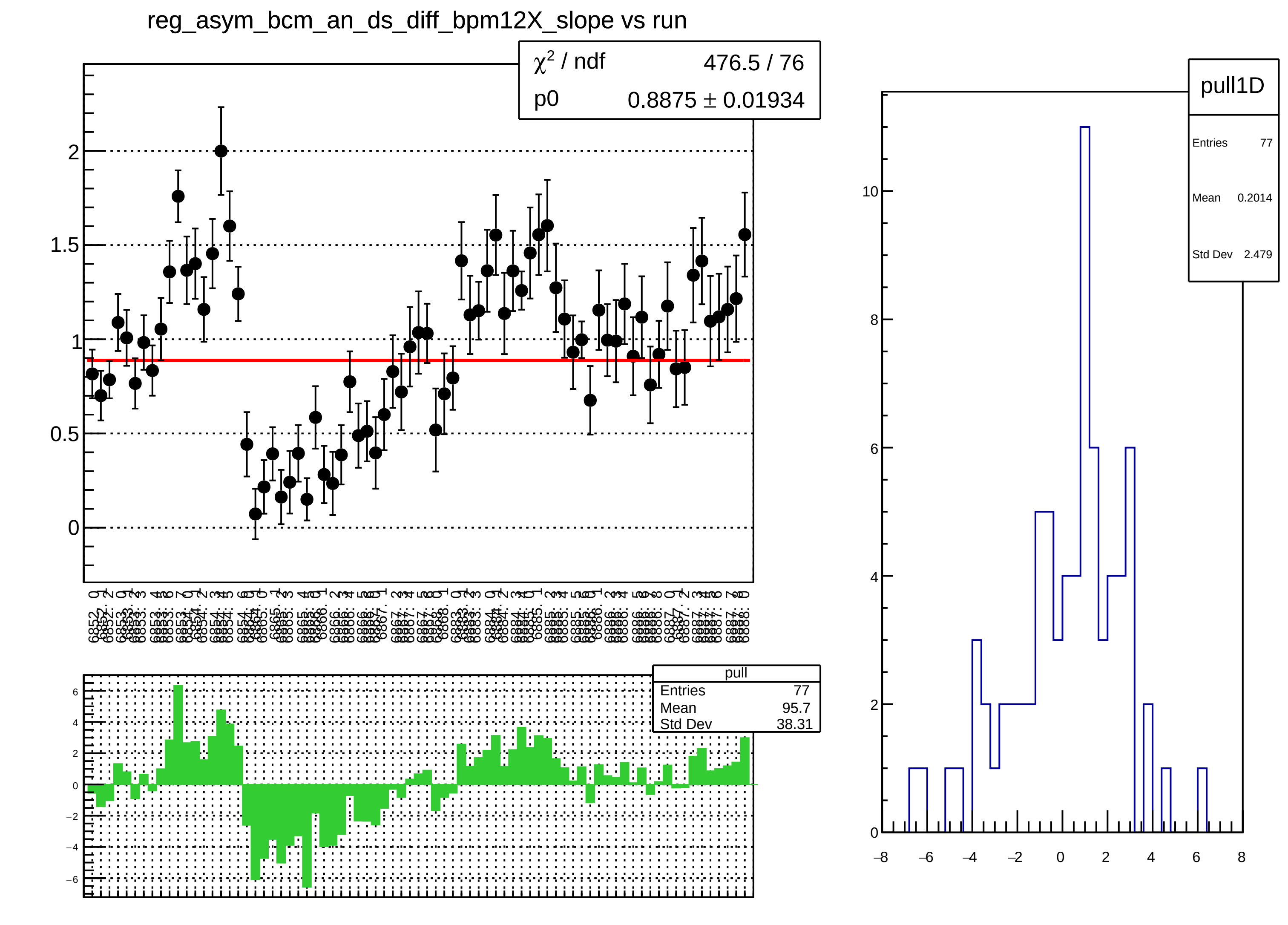
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
$\chi^2$ / ndf 1.085e+04 / 76
p0 −108.5 ± 0.4711
pull
Entries 77
Mean 175.8
Std Dev 135.7
pull1D
Entries 77
Mean 1.116
Std Dev 4.72


reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 419.5 / 76
p0 −3.568 ± 0.261
pull
Entries 77
Mean 78.62
Std Dev 17.85
pull1D
Entries 77
Mean 0.4467
Std Dev 2.291

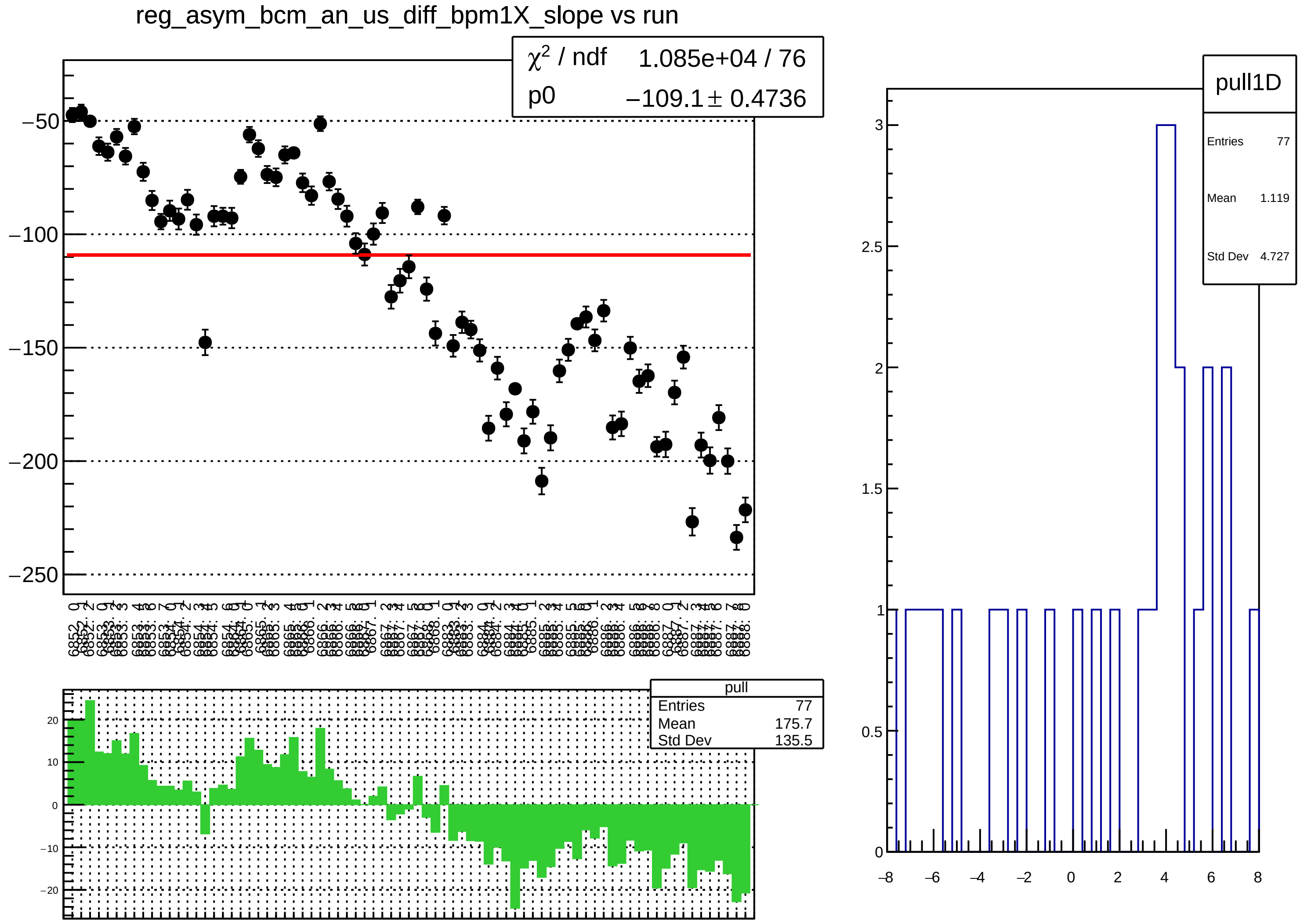


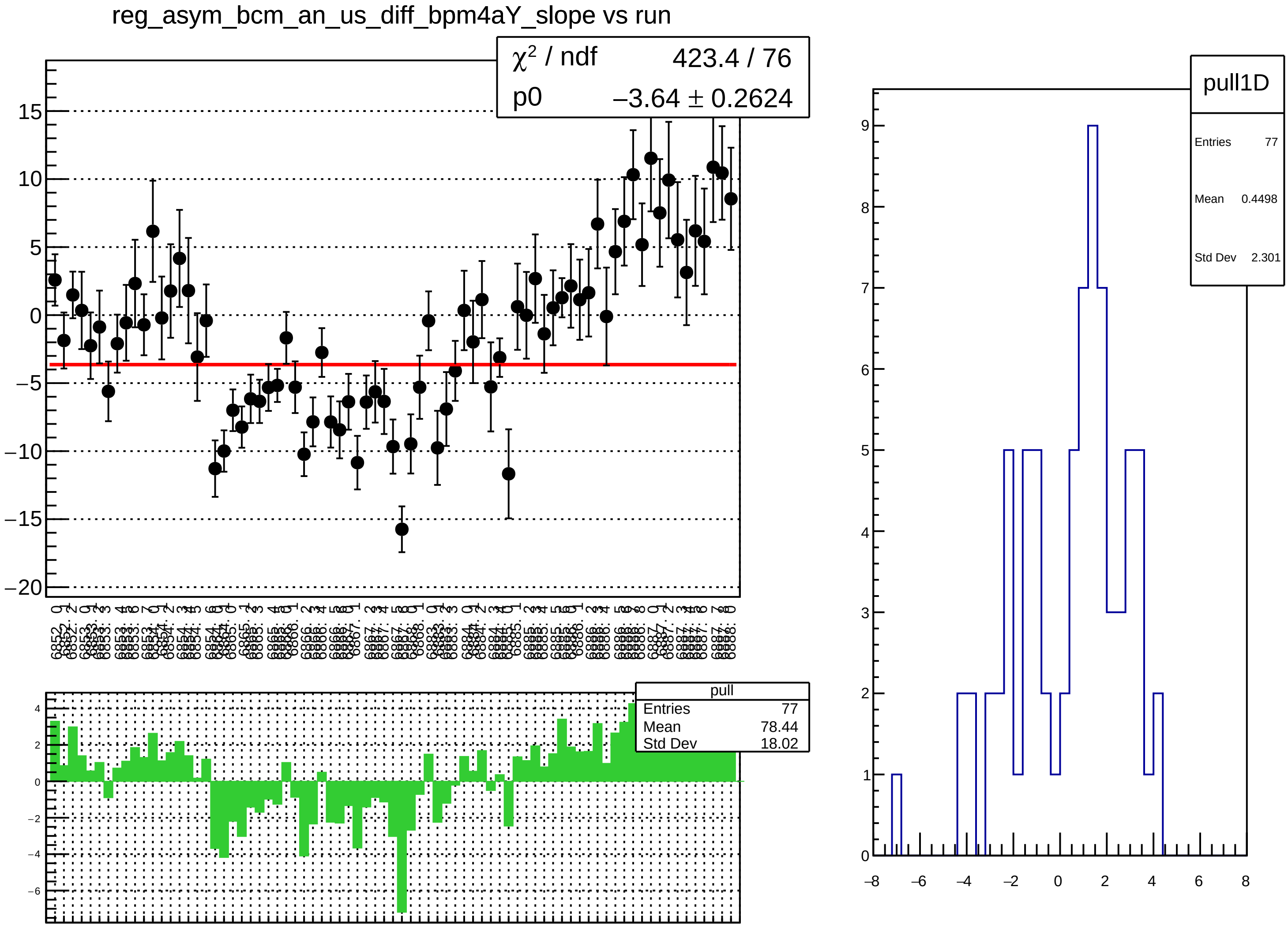
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 1.139e+04 / 76
p0 101.3 ± 0.4486
pull
Entries 77
Mean 165.4
Std Dev 125.1
pull1D
Entries 77
Mean −1.221
Std Dev 4.526


reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 600.2 / 76
p0 4.044 ± 0.3385
pull
Entries 77
Mean 93.92
Std Dev 32.84
pull1D
Entries 77
Mean −0.6085
Std Dev 2.581

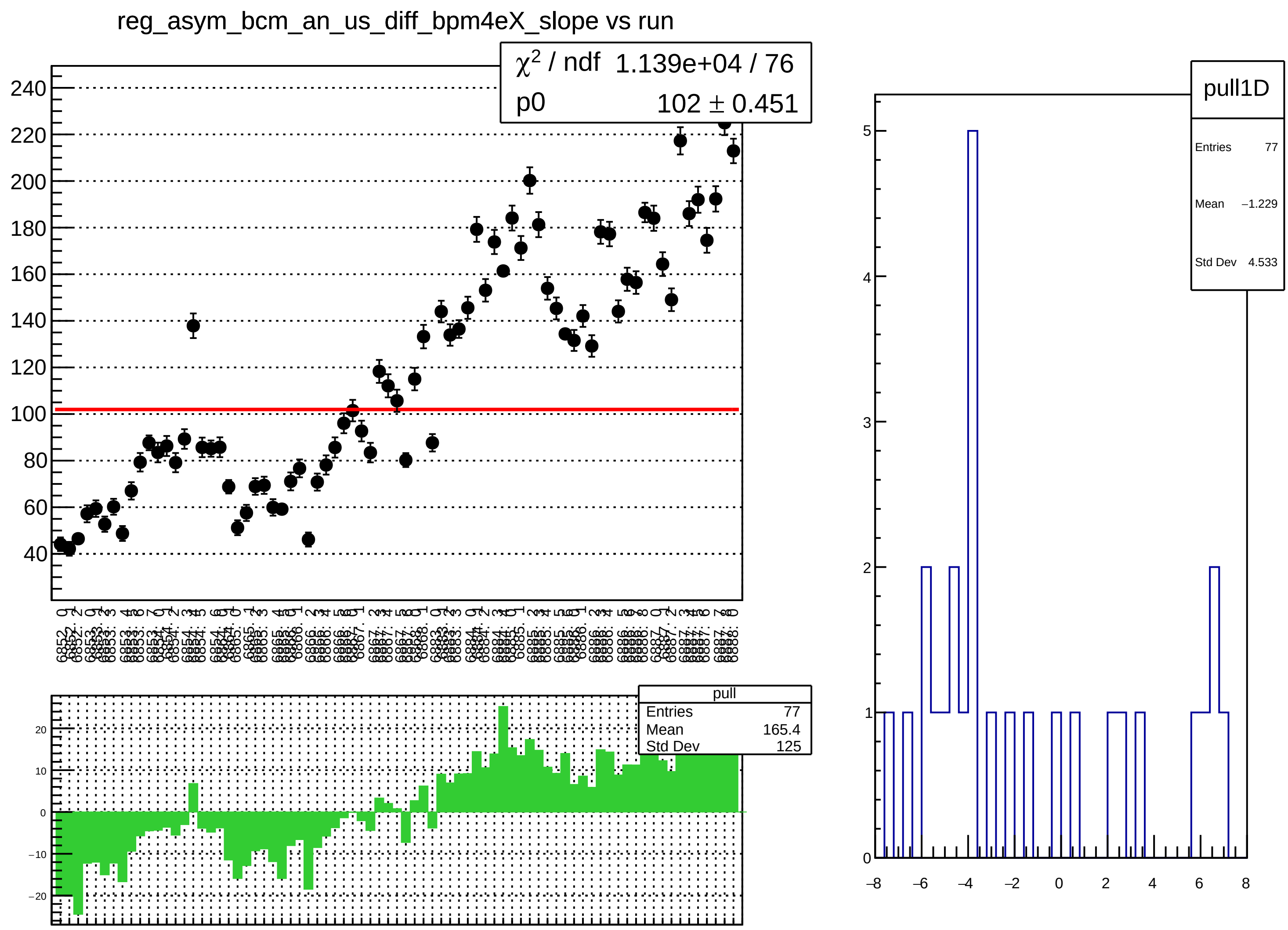


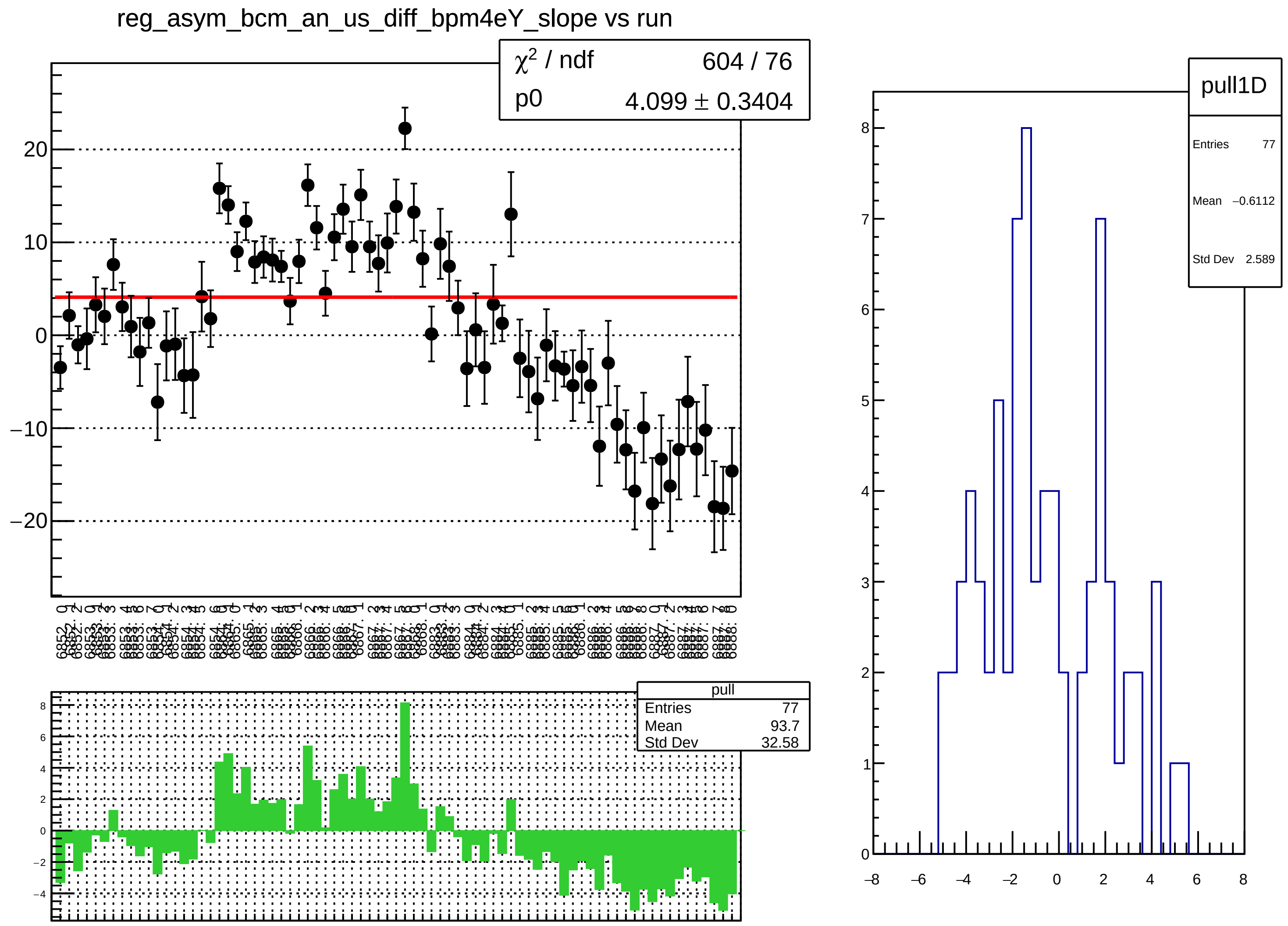
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
$\chi^2$ / ndf 476.5 / 76
p0 0.8875 ± 0.01934
pull
Entries 77
Mean 95.7
Std Dev 38.31
pull1D
Entries 77
Mean 0.2014
Std Dev 2.479

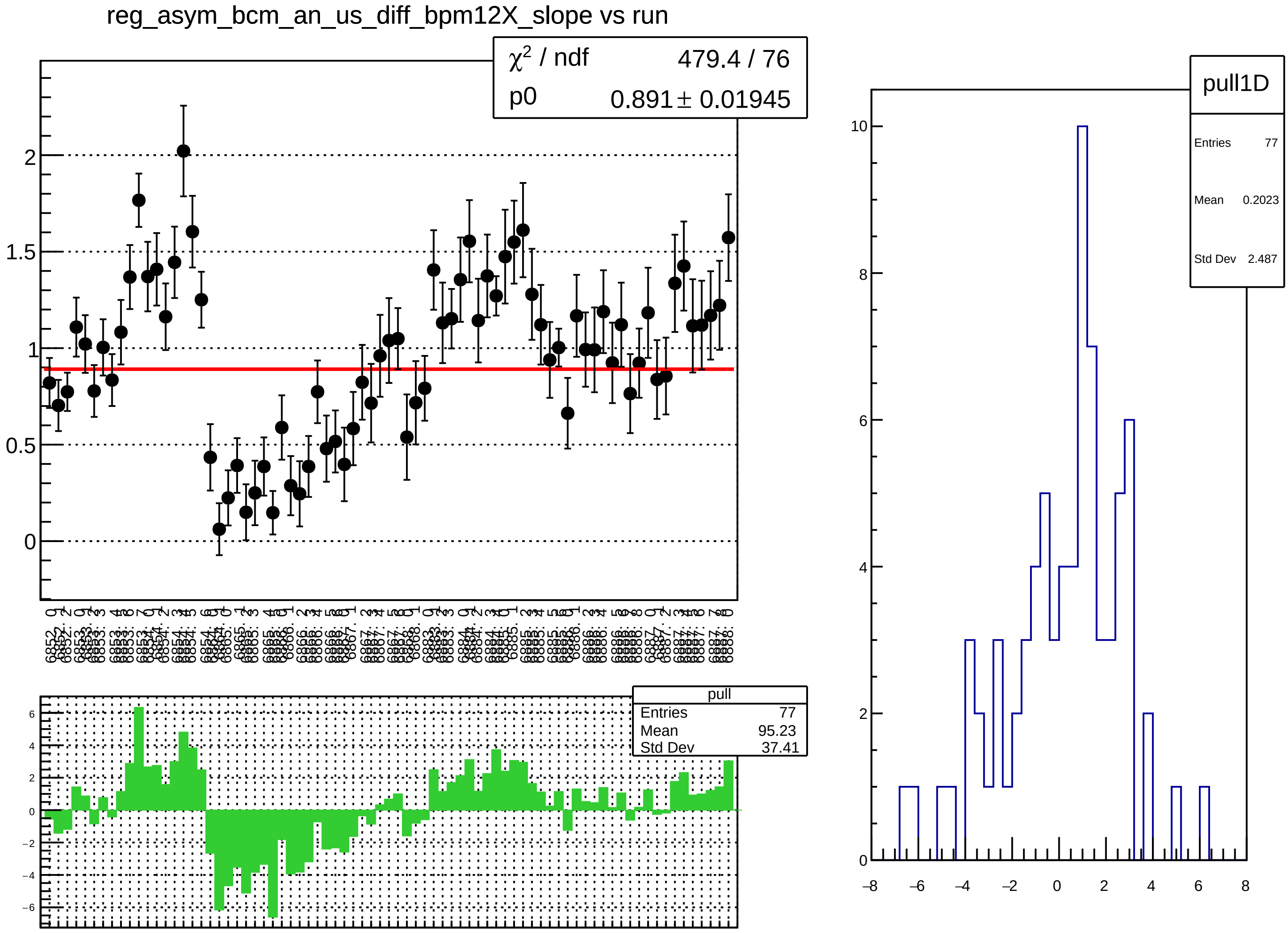

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
$\chi^2$ / ndf 1.085e+04 / 76
p0 −109.1 ± 0.4736
−50
−100
−150
−200
−250
pull
Entries 77
Mean 175.7
Std Dev 135.5
20
10
0
−10
−20
pull1D
Entries 77
Mean 1.119
Std Dev 4.727
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

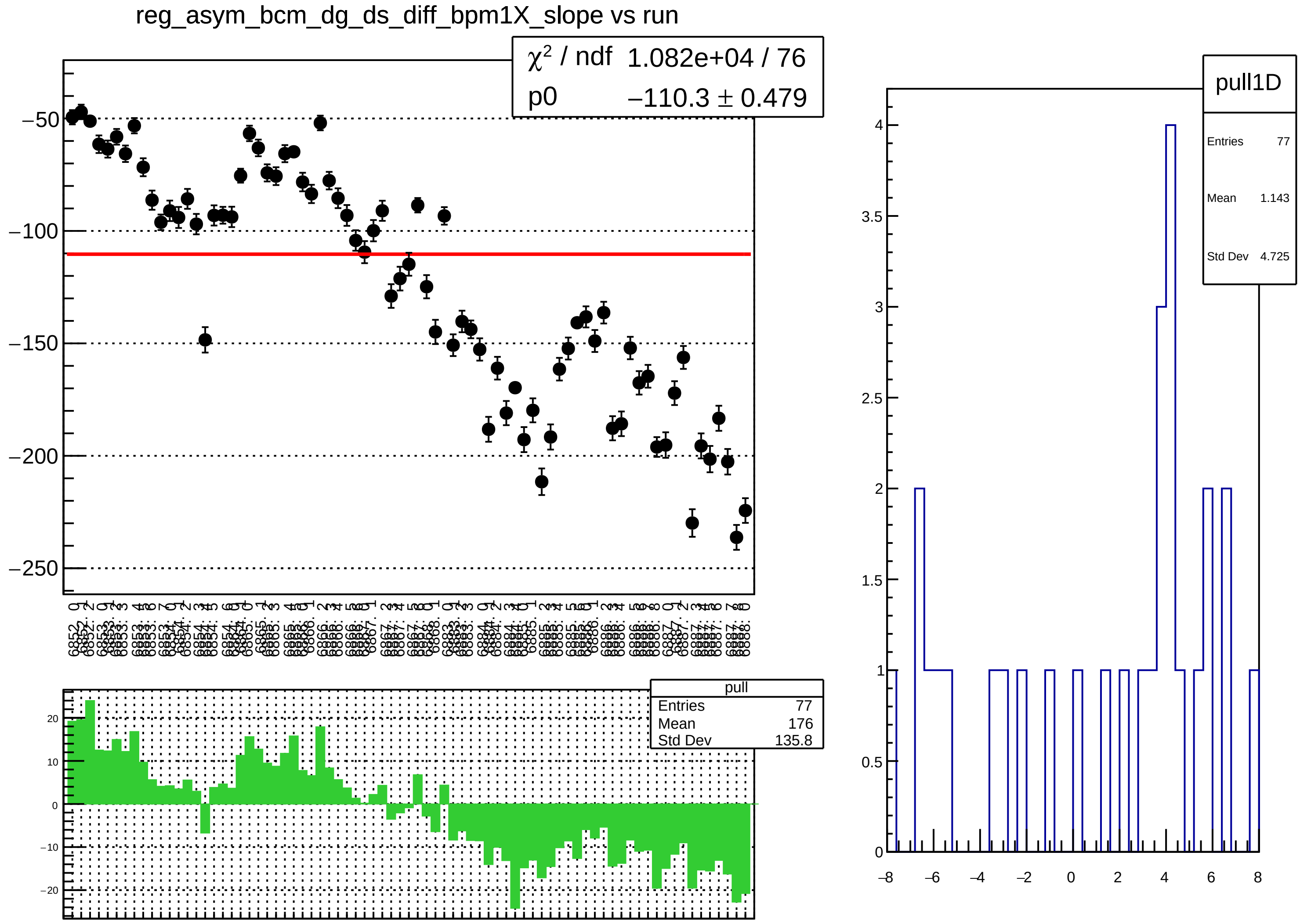


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 423.4 / 76
p0 −3.64 ± 0.2624
pull
Entries 77
Mean 78.44
Std Dev 18.02
pull1D
Entries 77
Mean 0.4498
Std Dev 2.301

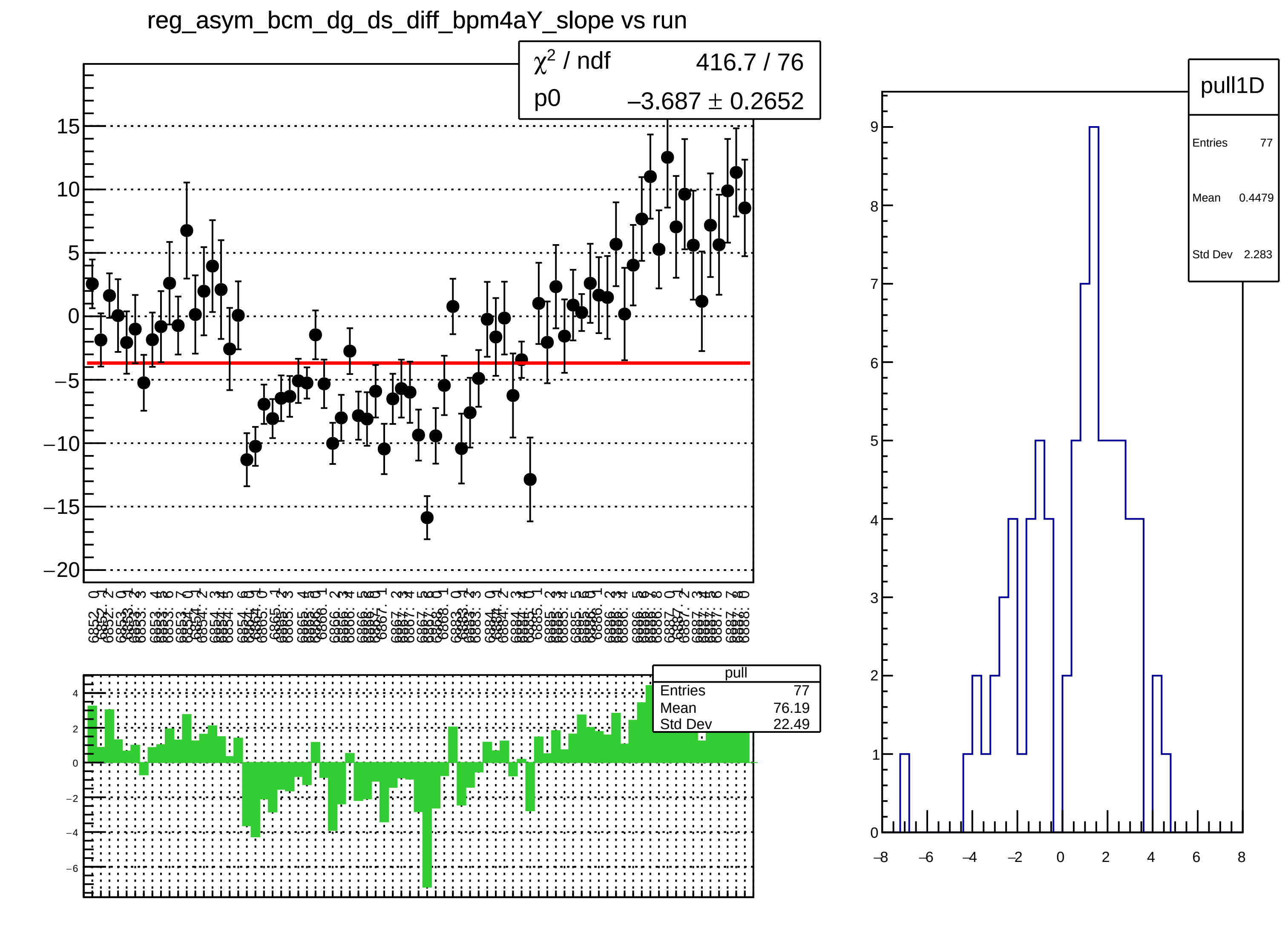

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 1.139e+04 / 76
p0 102 ± 0.451
pull
Entries 77
Mean 165.4
Std Dev 125
pull1D
Entries 77
Mean −1.229
Std Dev 4.533

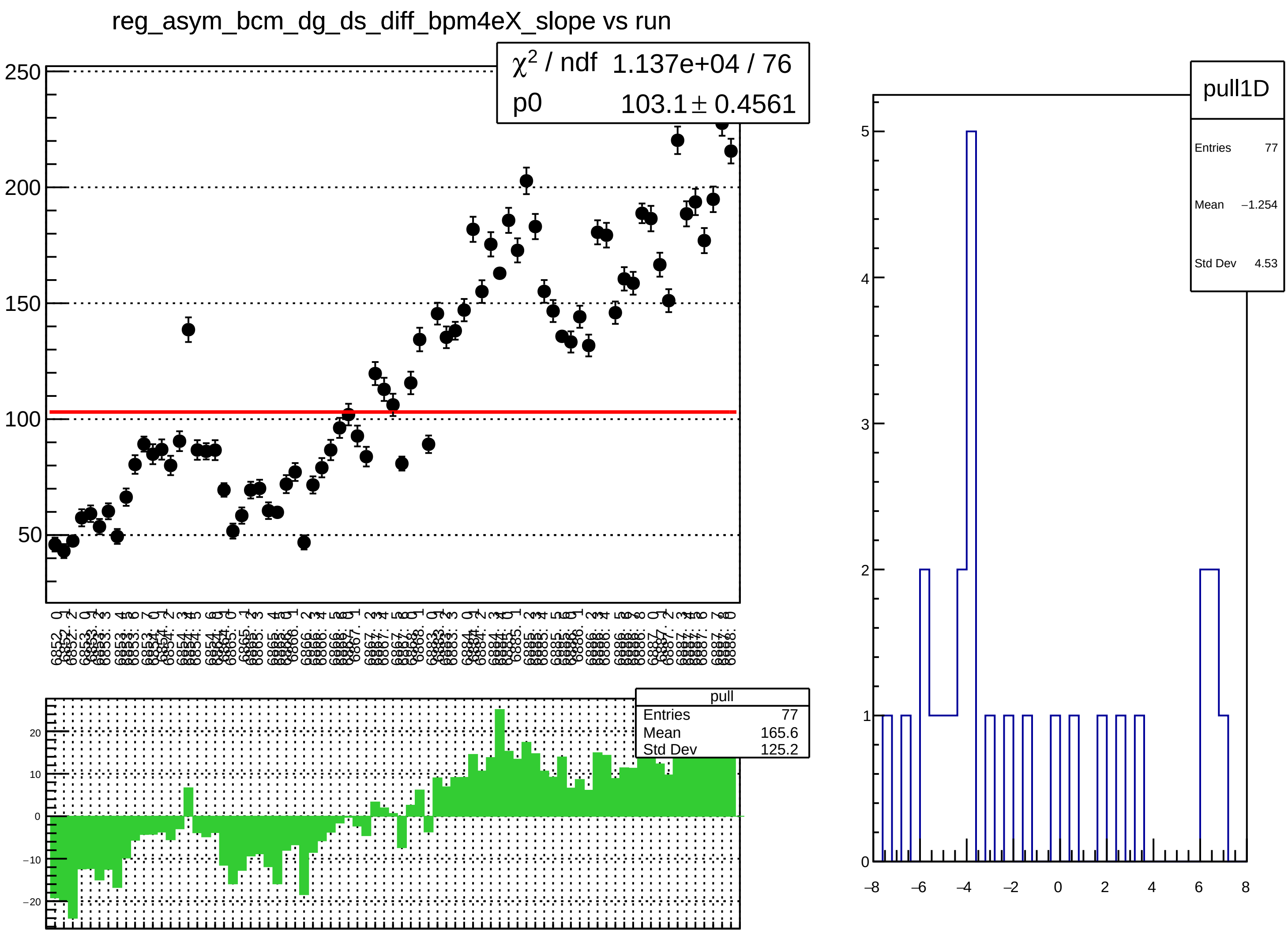

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 604 / 76
p0 4.099 ± 0.3404
pull
Entries 77
Mean 93.7
Std Dev 32.58
pull1D
Entries 77
Mean −0.6112
Std Dev 2.589

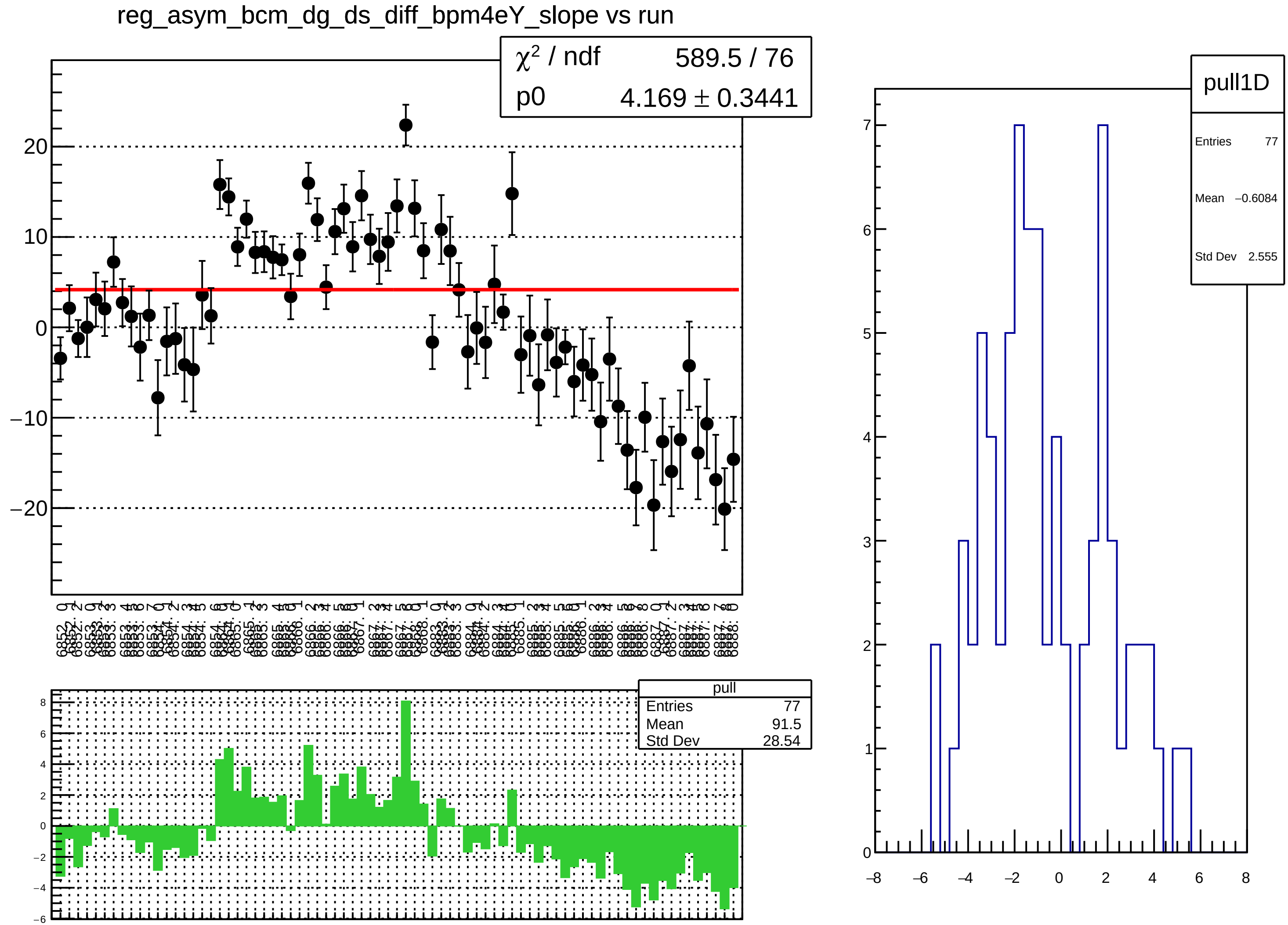

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ2 / ndf 479.4 / 76
p0 0.891 ± 0.01945
2
1.5
1
0.5
0
pull
Entries 77
Mean 95.23
Std Dev 37.41
6
4
2
0
−2
−4
−6
pull1D
Entries 77
Mean 0.2023
Std Dev 2.487
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



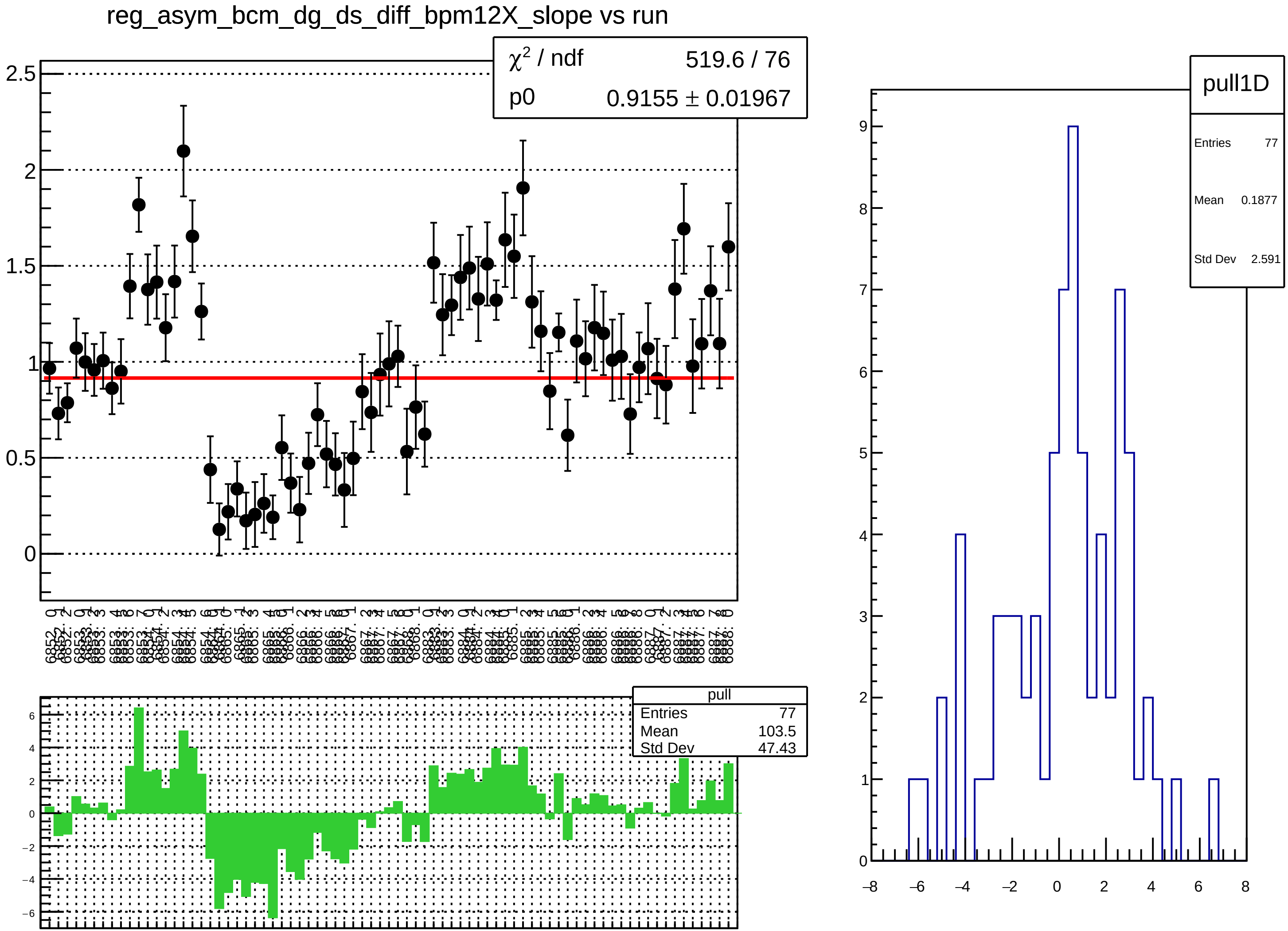
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
$\chi^2$ / ndf 1.082e+04 / 76
p0 −110.3 ± 0.479
pull
Entries 77
Mean 176
Std Dev 135.8
pull1D
Entries 77
Mean 1.143
Std Dev 4.725

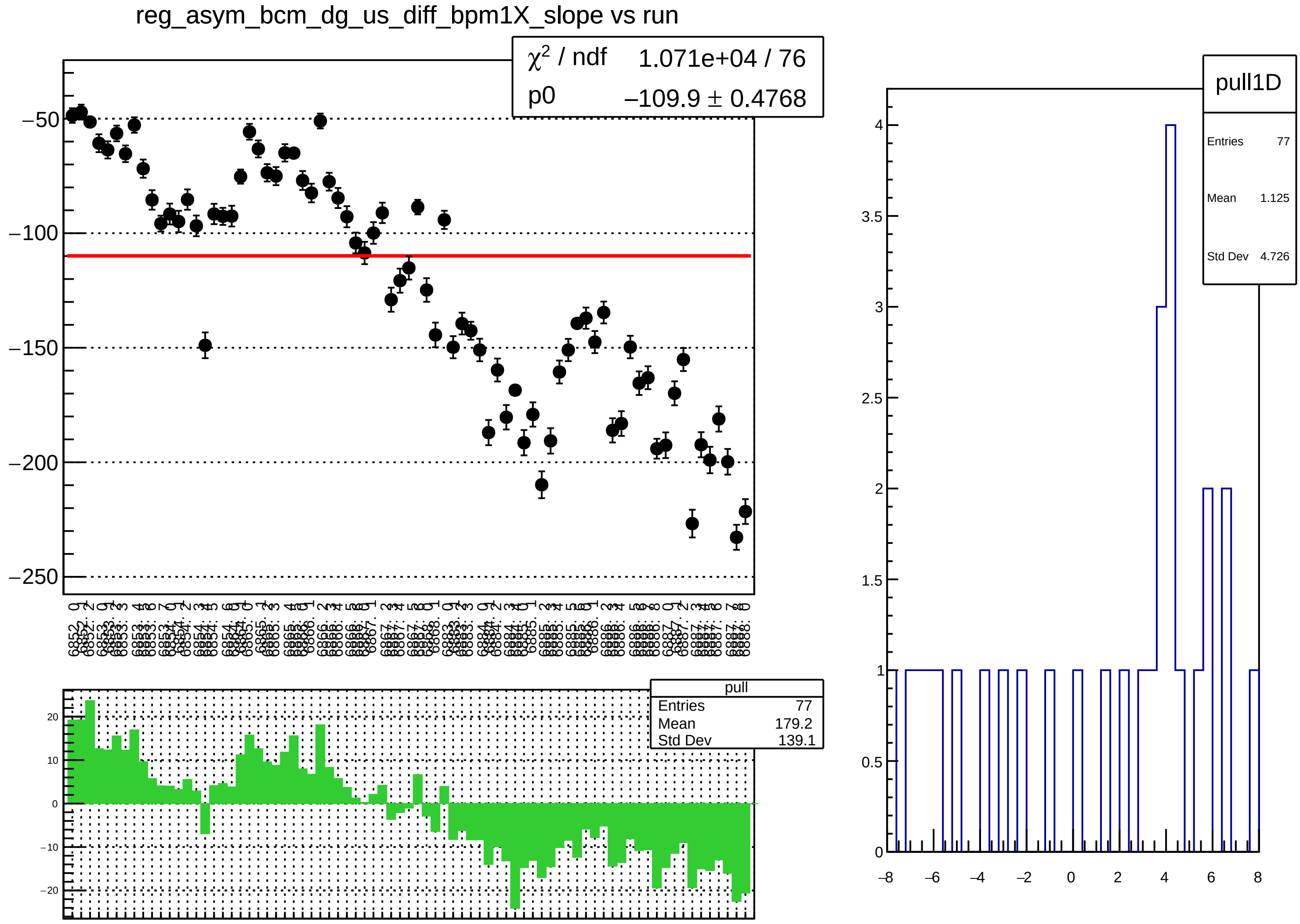

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 416.7 / 76
p0 −3.687 ± 0.2652
pull
Entries 77
Mean 76.19
Std Dev 22.49
pull1D
Entries 77
Mean 0.4479
Std Dev 2.283

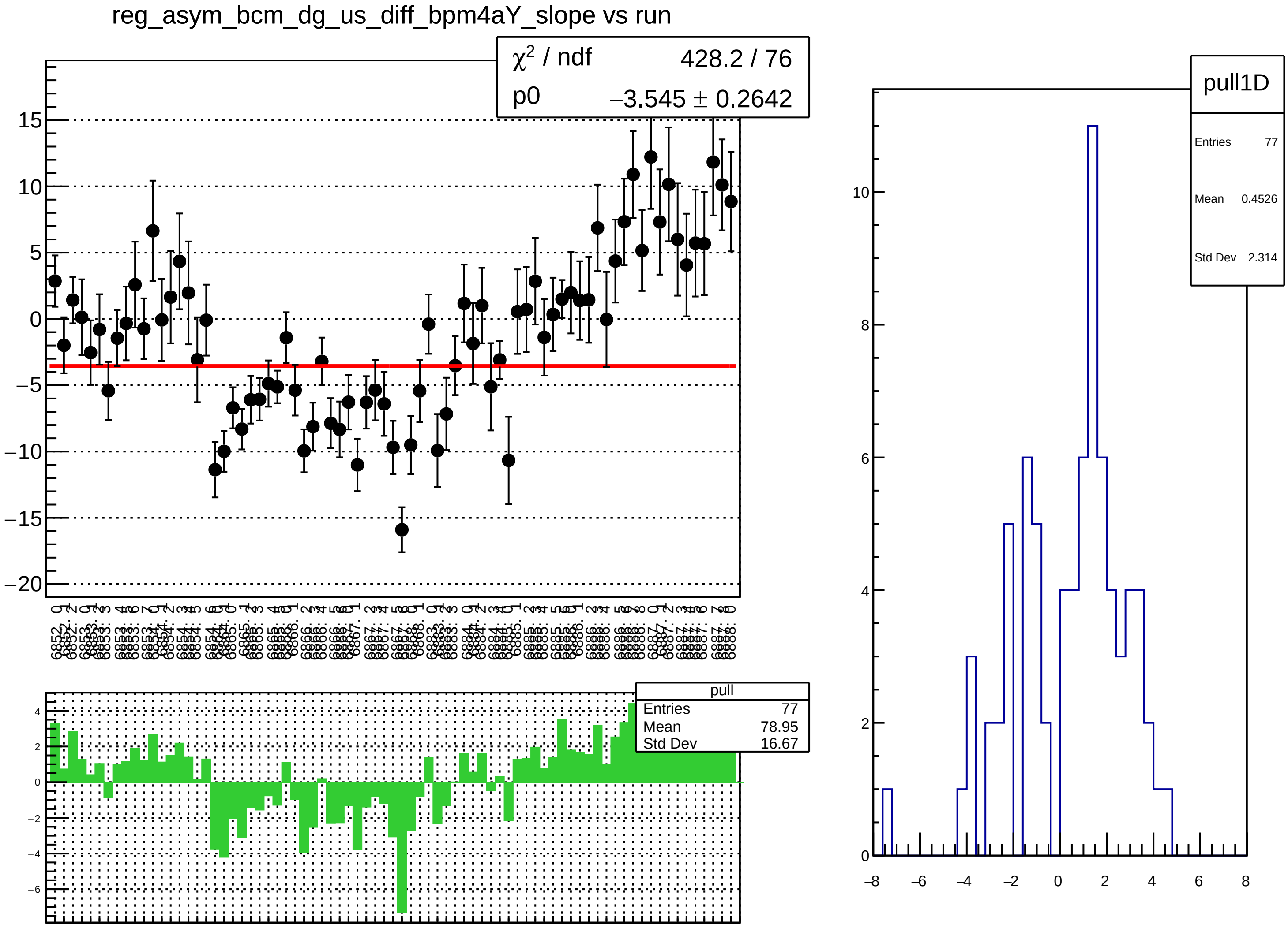

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 1.137e+04 / 76
p0 103.1 ± 0.4561
pull
Entries 77
Mean 165.6
Std Dev 125.2
pull1D
Entries 77
Mean −1.254
Std Dev 4.53

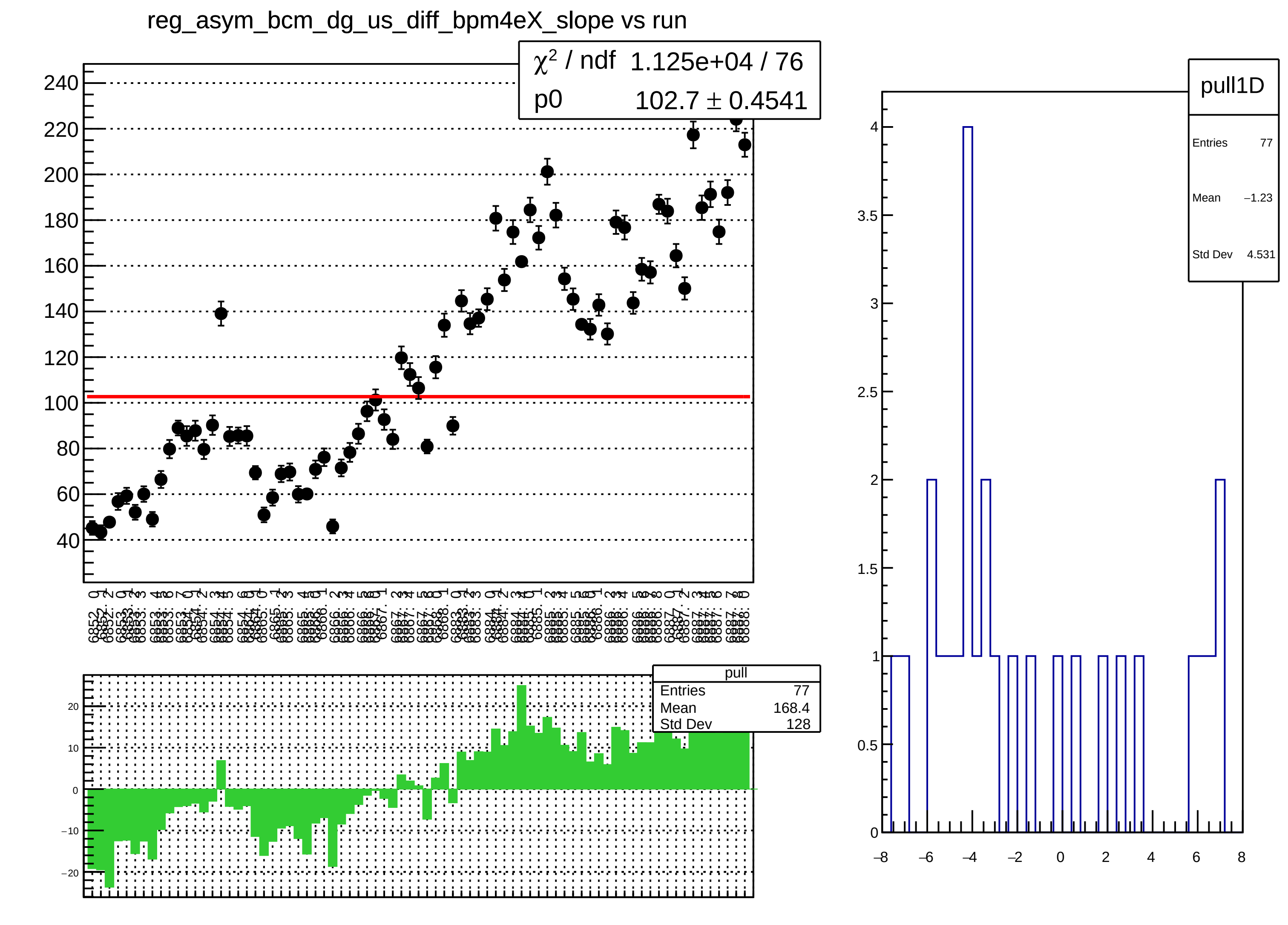


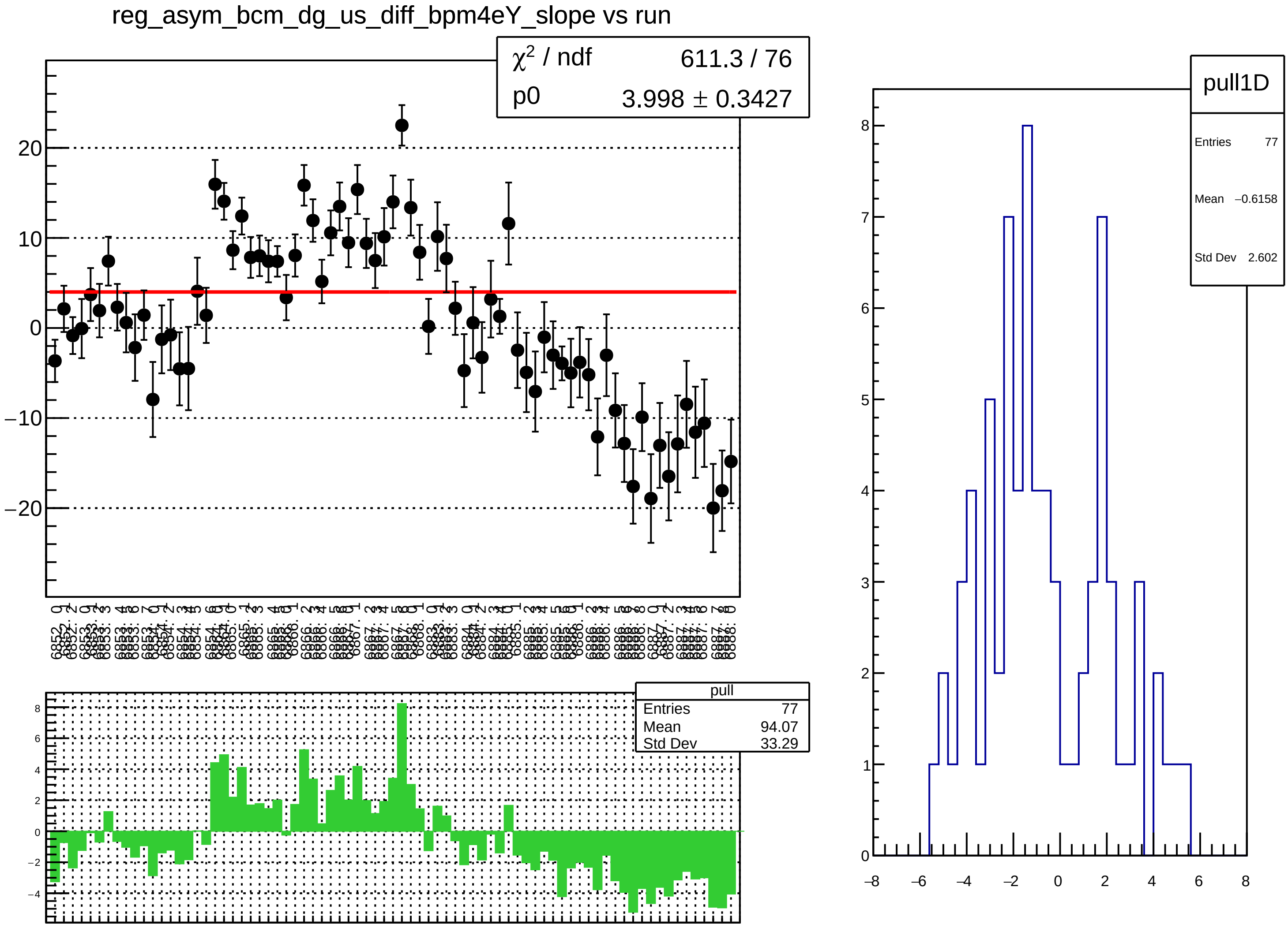
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ2 / ndf 589.5 / 76
p0 4.169 ± 0.3441
20
10
0
−10
−20
pull
Entries 77
Mean 91.5
Std Dev 28.54
8
6
4
2
0
−2
−4
−6
pull1D
Entries 77
Mean −0.6084
Std Dev 2.555
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

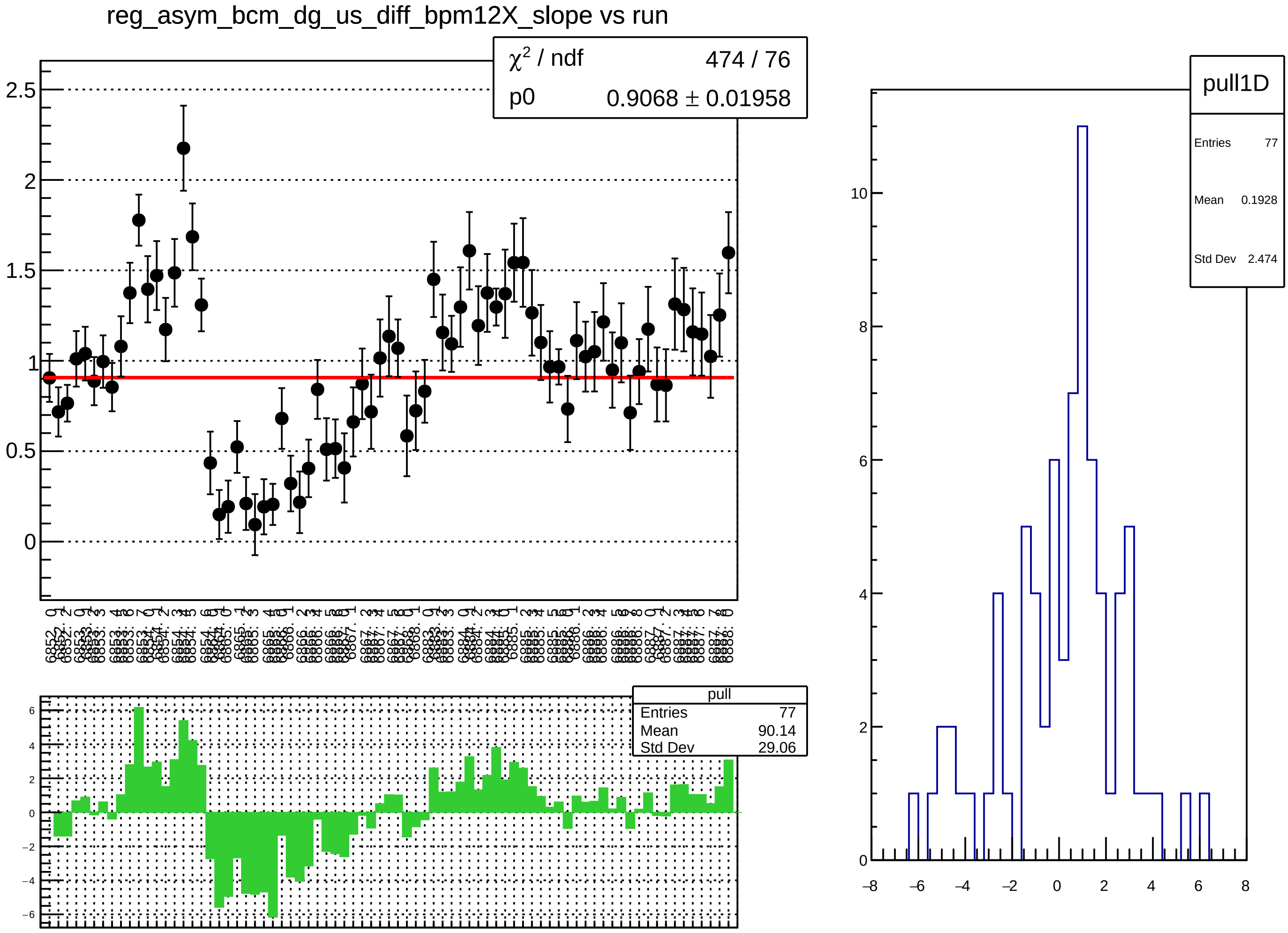

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
$\chi^2$ / ndf 519.6 / 76
p0 0.9155 ± 0.01967
pull
Entries 77
Mean 103.5
Std Dev 47.43
pull1D
Entries 77
Mean 0.1877
Std Dev 2.591


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
$\chi^2$ / ndf 1.071e+04 / 76
p0 −109.9 ± 0.4768
−50
−100
−150
−200
−250
pull
Entries 77
Mean 179.2
Std Dev 139.1
20
10
0
−10
−20
pull1D
Entries 77
Mean 1.125
Std Dev 4.726
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 428.2 / 76
p0 −3.545 ± 0.2642
pull
Entries 77
Mean 78.95
Std Dev 16.67
pull1D
Entries 77
Mean 0.4526
Std Dev 2.314


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 1.125e+04 / 76
p0 102.7 ± 0.4541
pull
Entries 77
Mean 168.4
Std Dev 128
pull1D
Entries 77
Mean −1.23
Std Dev 4.531


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 611.3 / 76
p0 3.998 ± 0.3427
pull
Entries 77
Mean 94.07
Std Dev 33.29
pull1D
Entries 77
Mean −0.6158
Std Dev 2.602


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
$\chi^2$ / ndf 474 / 76
p0 0.9068 ± 0.01958
pull
Entries 77
Mean 90.14
Std Dev 29.06
pull1D
Entries 77
Mean 0.1928
Std Dev 2.474