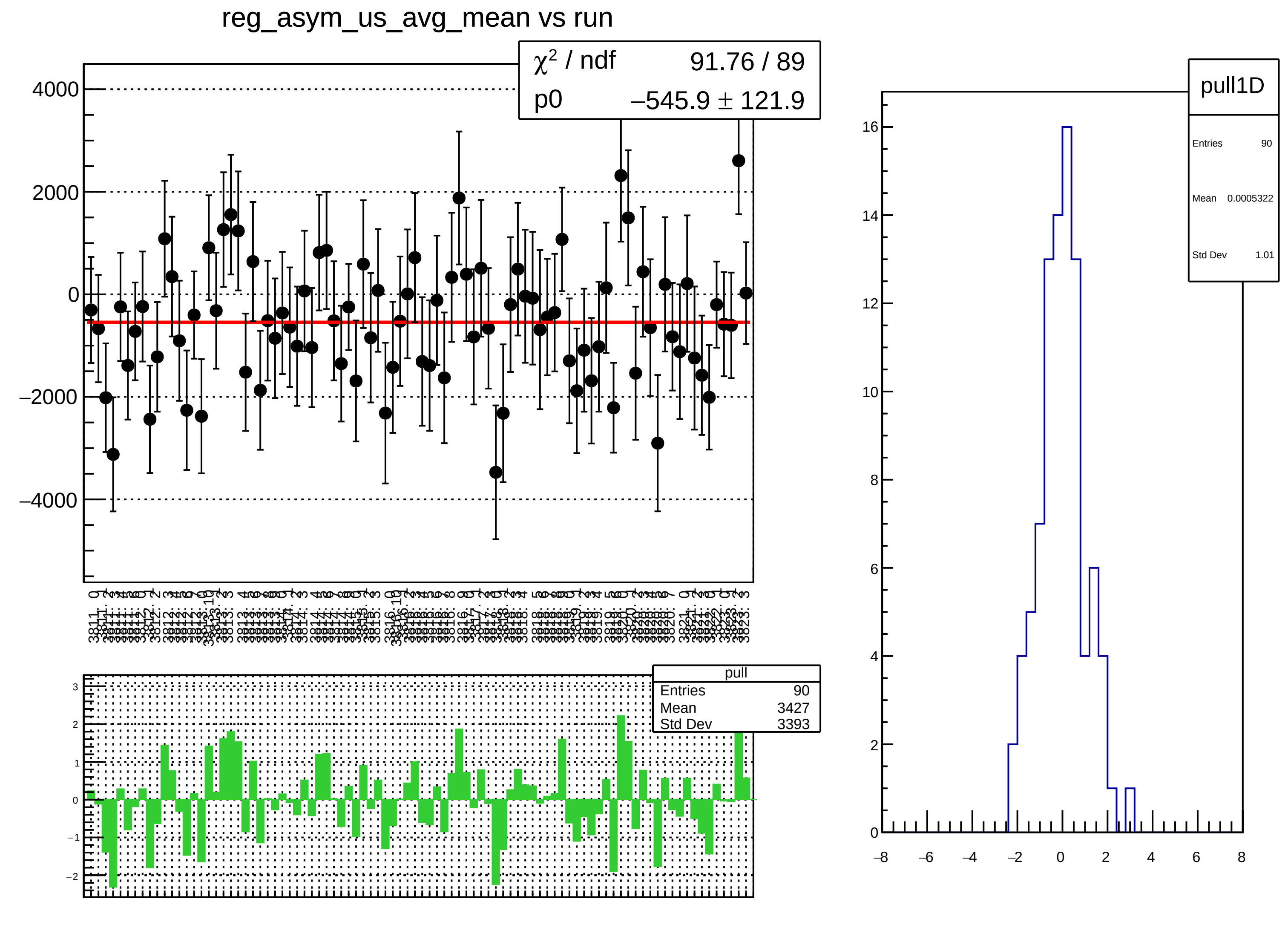
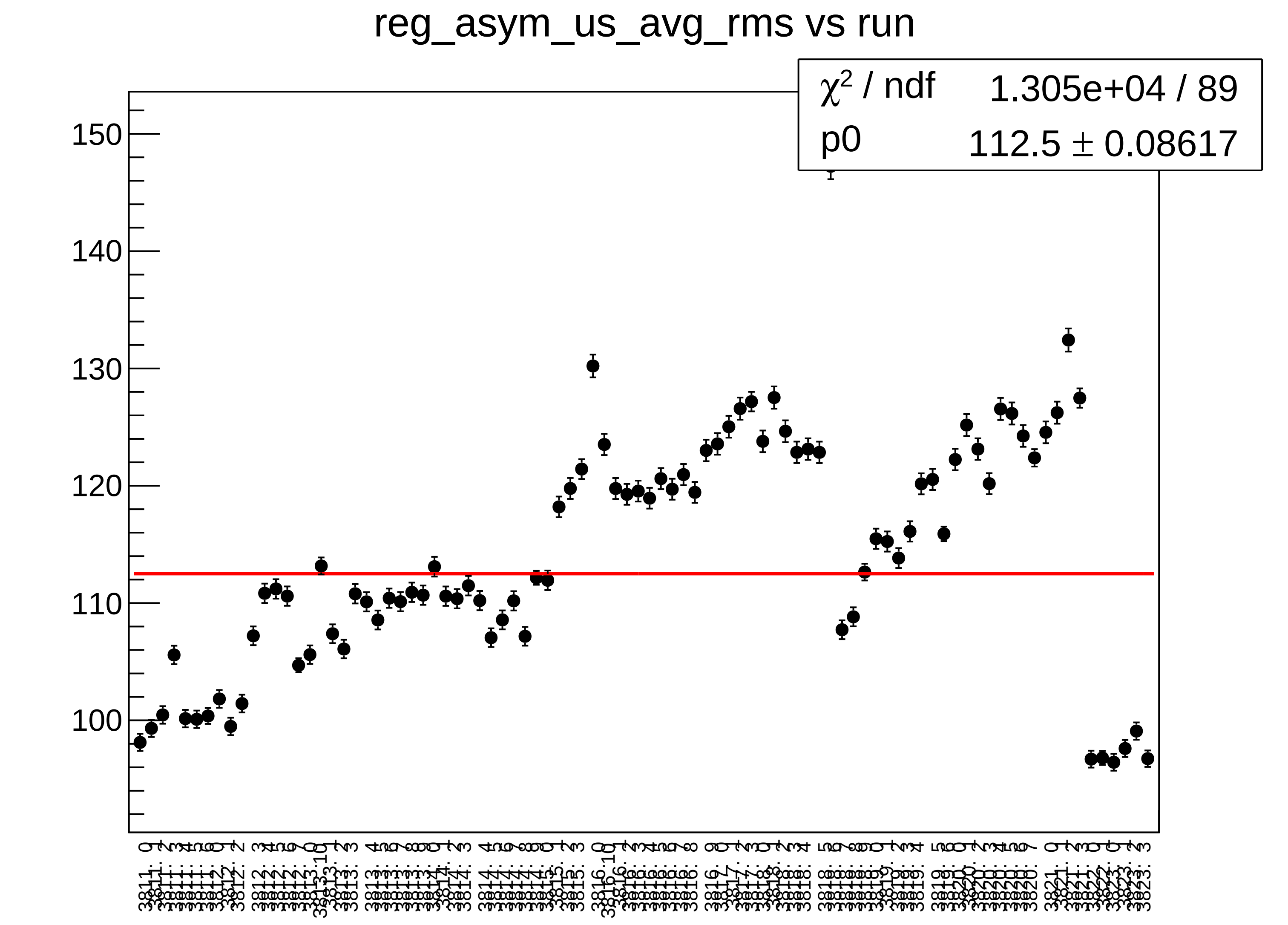
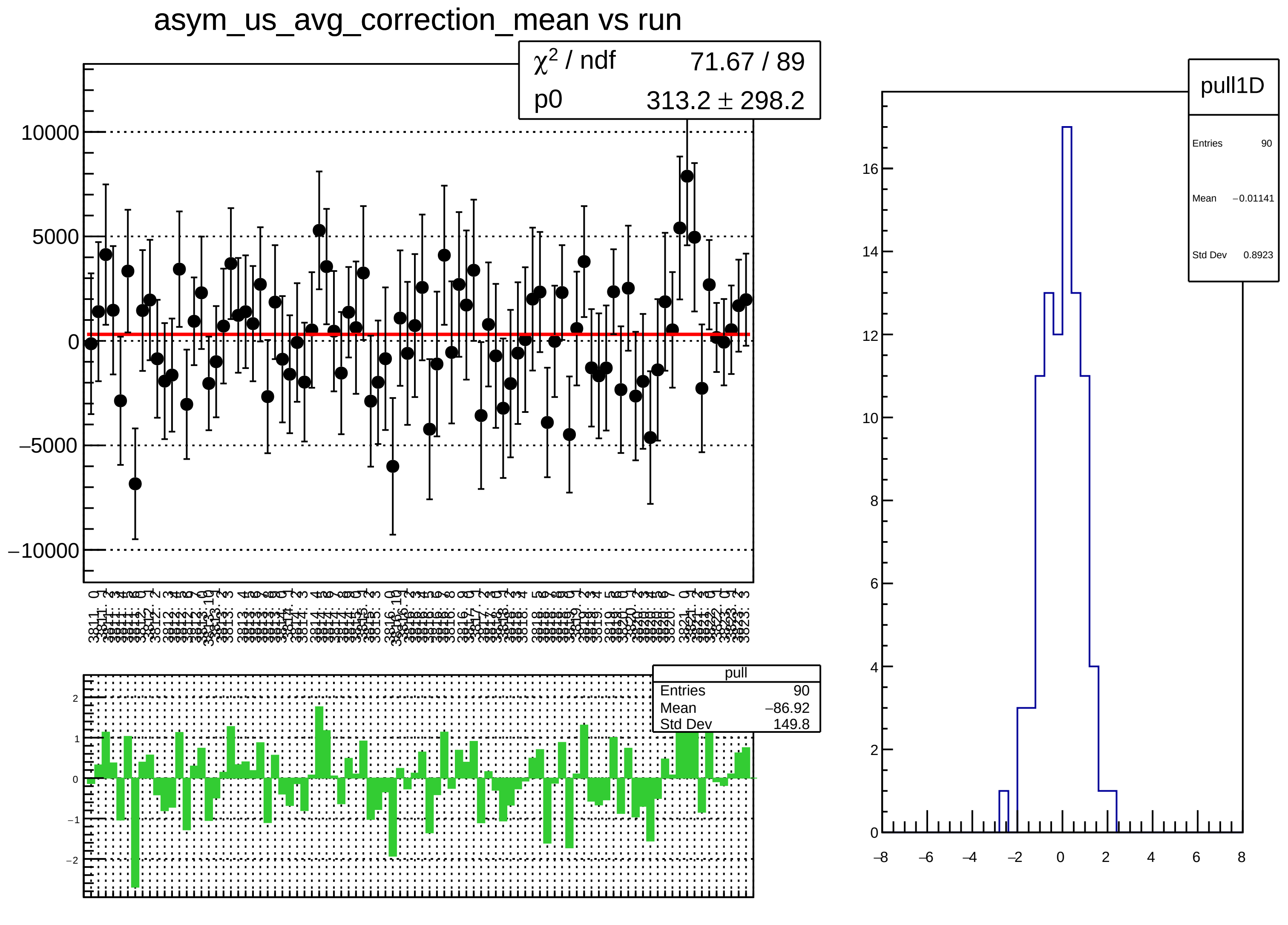
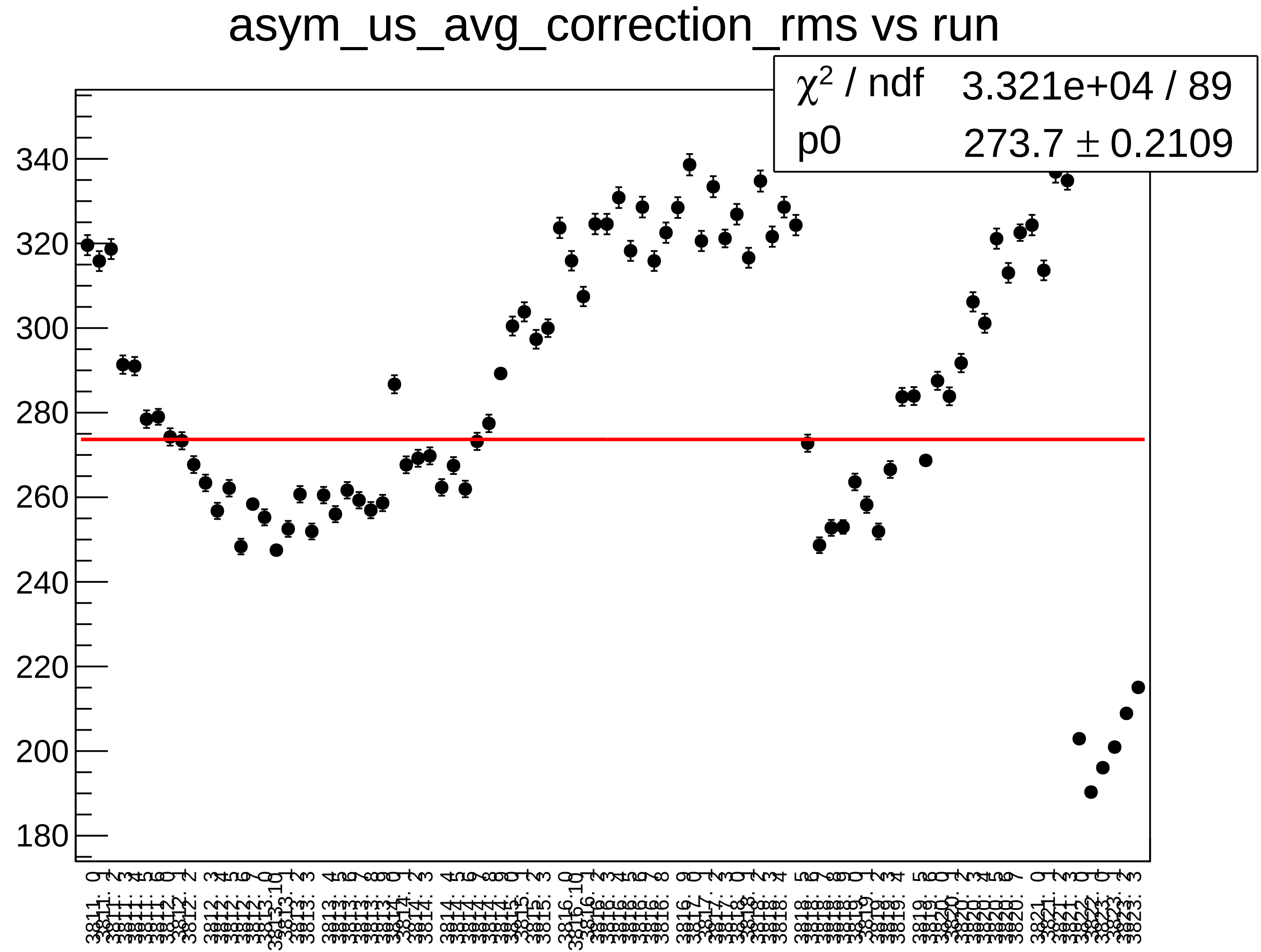

reg_asym_us_avg_mean vs run
χ^2 / ndf 91.76 / 89
p0 −545.9 ± 121.9
4000
2000
0
−2000
−4000
pull
Entries 90
Mean 3427
Std Dev 3393
3
2
1
0
−1
−2
pull1D
Entries 90
Mean 0.0005322
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

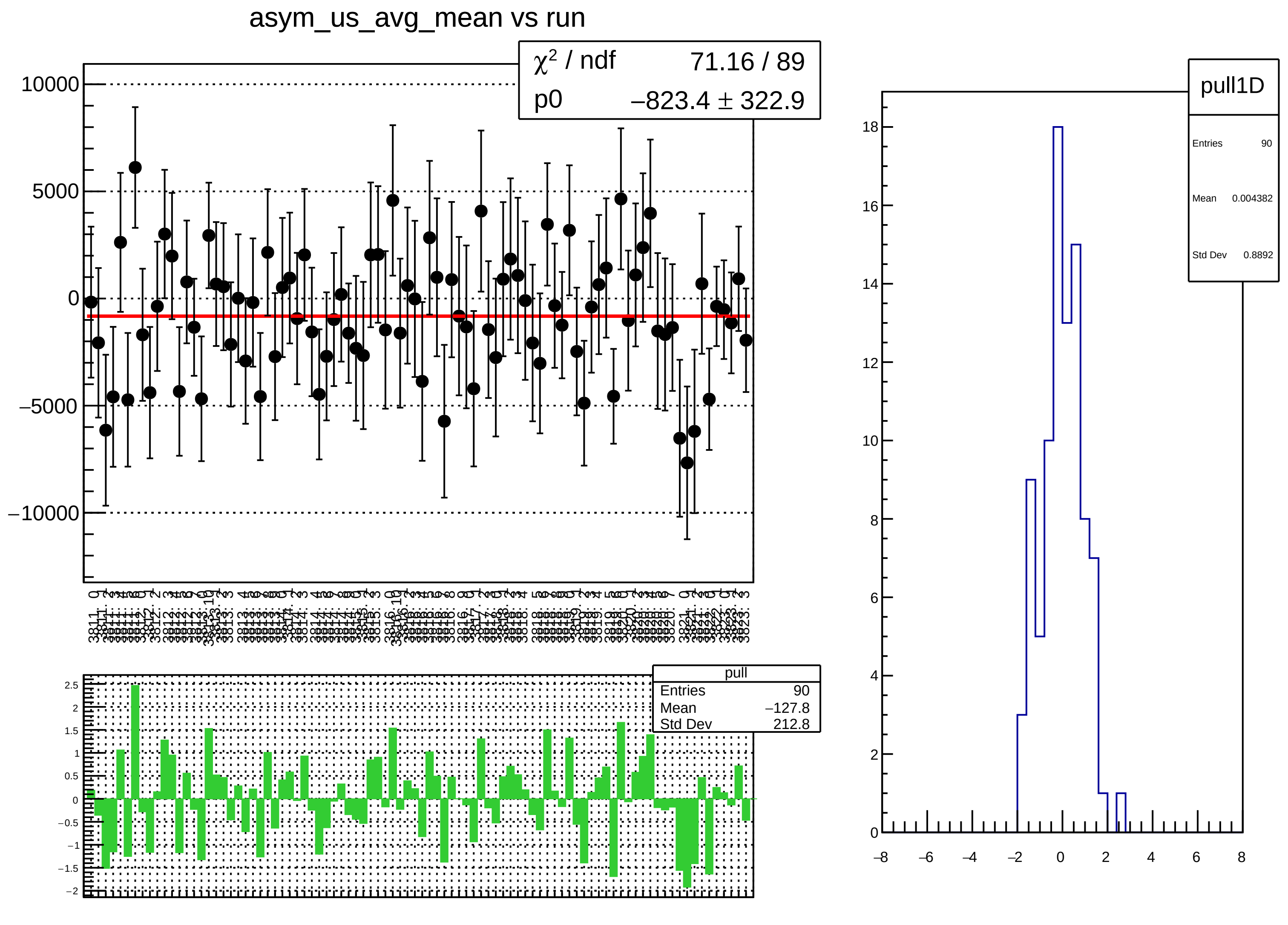

reg_asym_us_avg_rms vs run
χ^2 / ndf 1.305e+04 / 89
p0 112.5 ± 0.08617
150
140
130
120
110
100

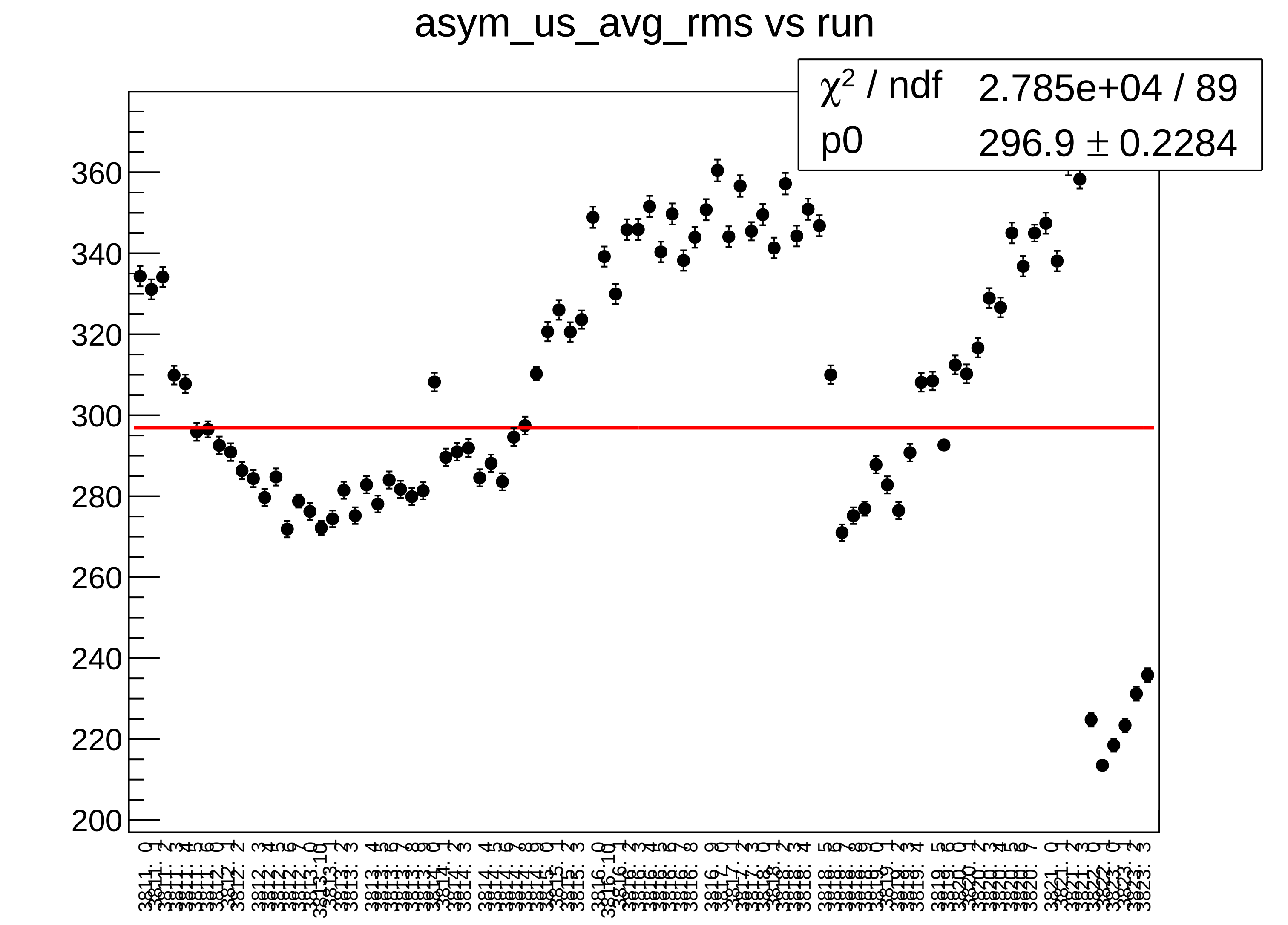


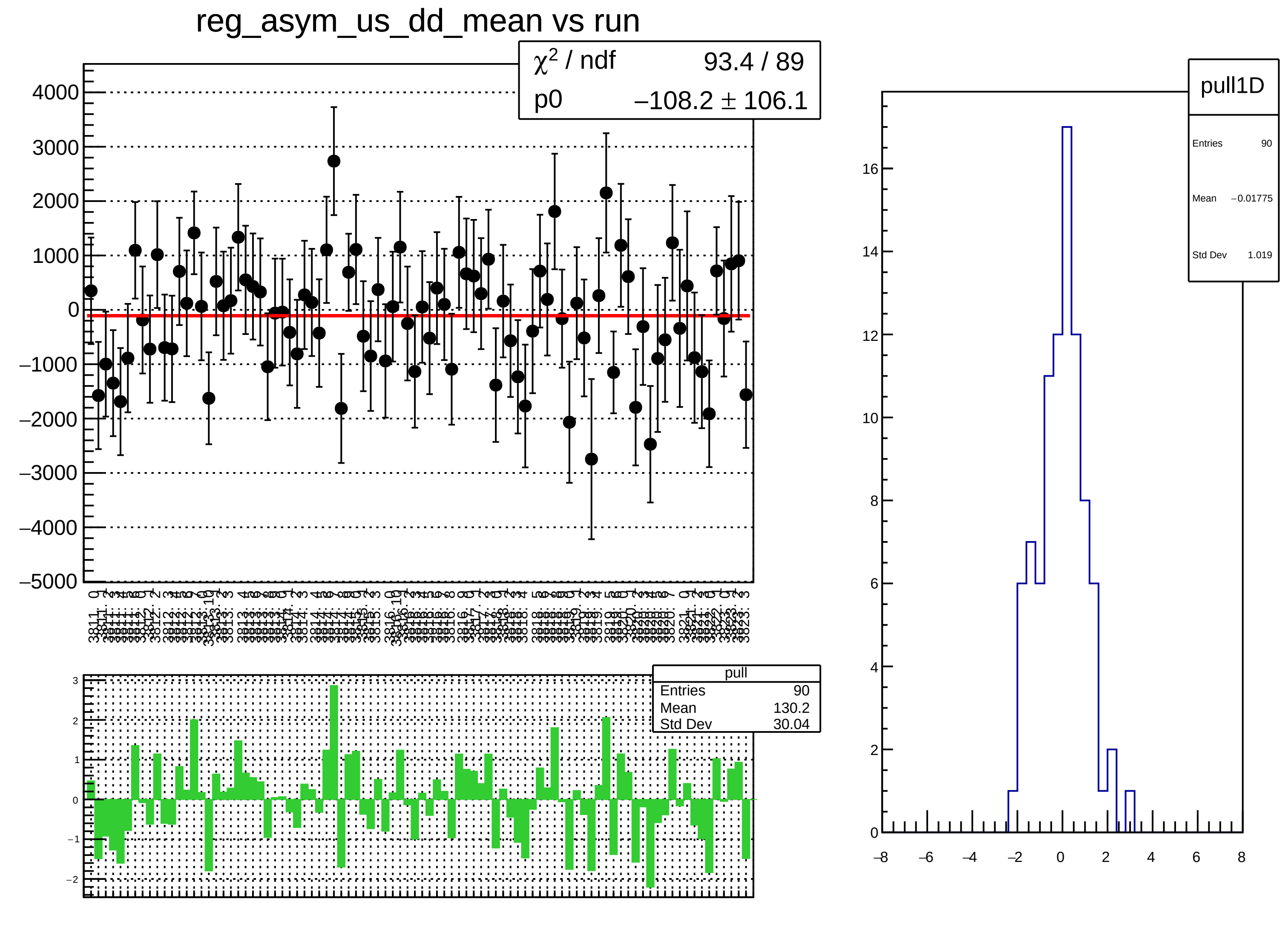
asym_us_avg_correction_mean vs run
χ2 / ndf 71.67 / 89
p0 313.2 ± 298.2
10000
5000
0
−5000
−10000
pull
Entries 90
Mean −86.92
Std Dev 149.8
2
1
0
−1
−2
pull1D
Entries 90
Mean −0.01141
Std Dev 0.8923
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

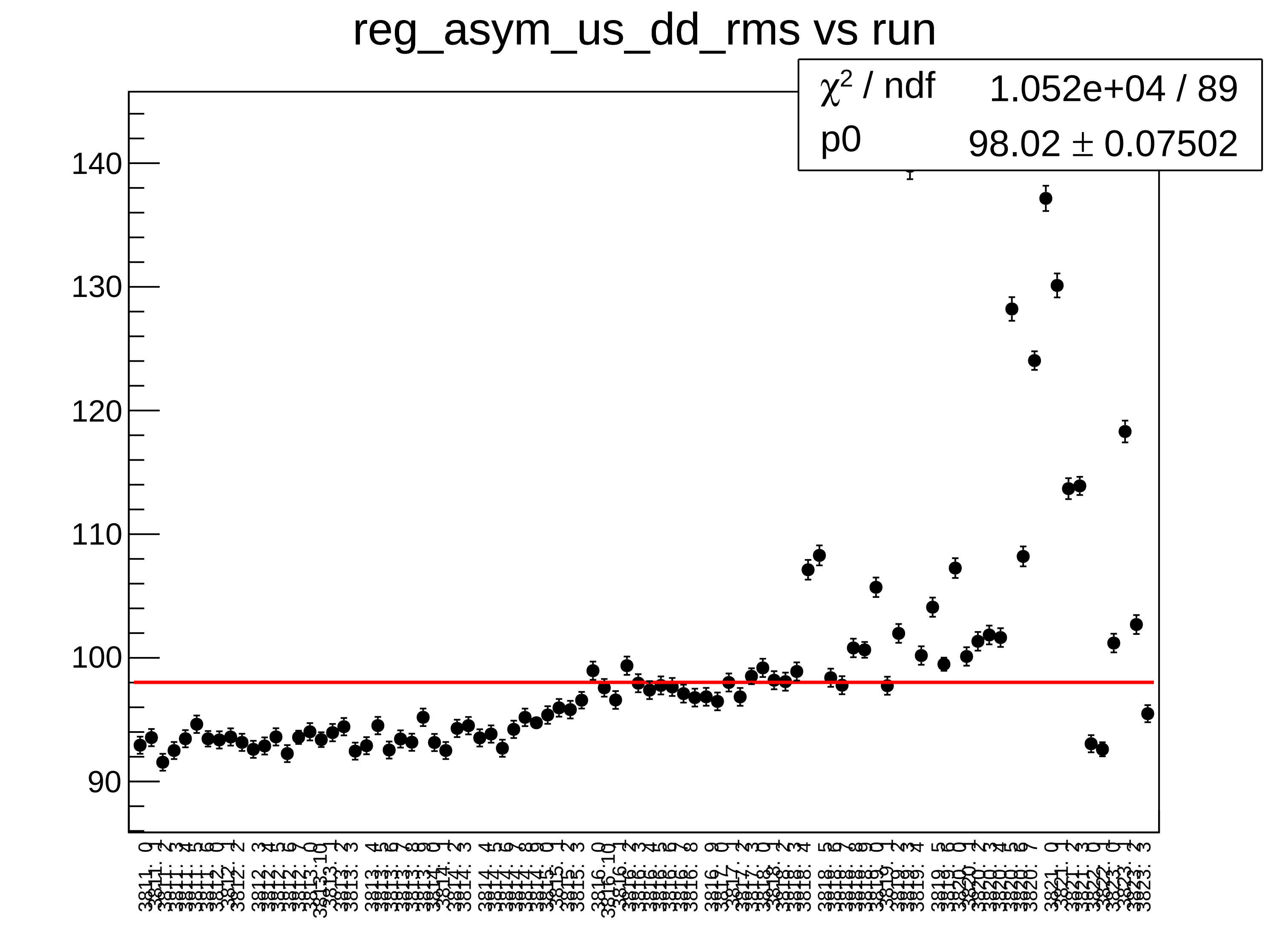


asym_us_avg_correction_rms vs run
χ^2 / ndf 3.321e+04 / 89
p0 273.7 ± 0.2109
340
320
300
280
260
240
220
200
180

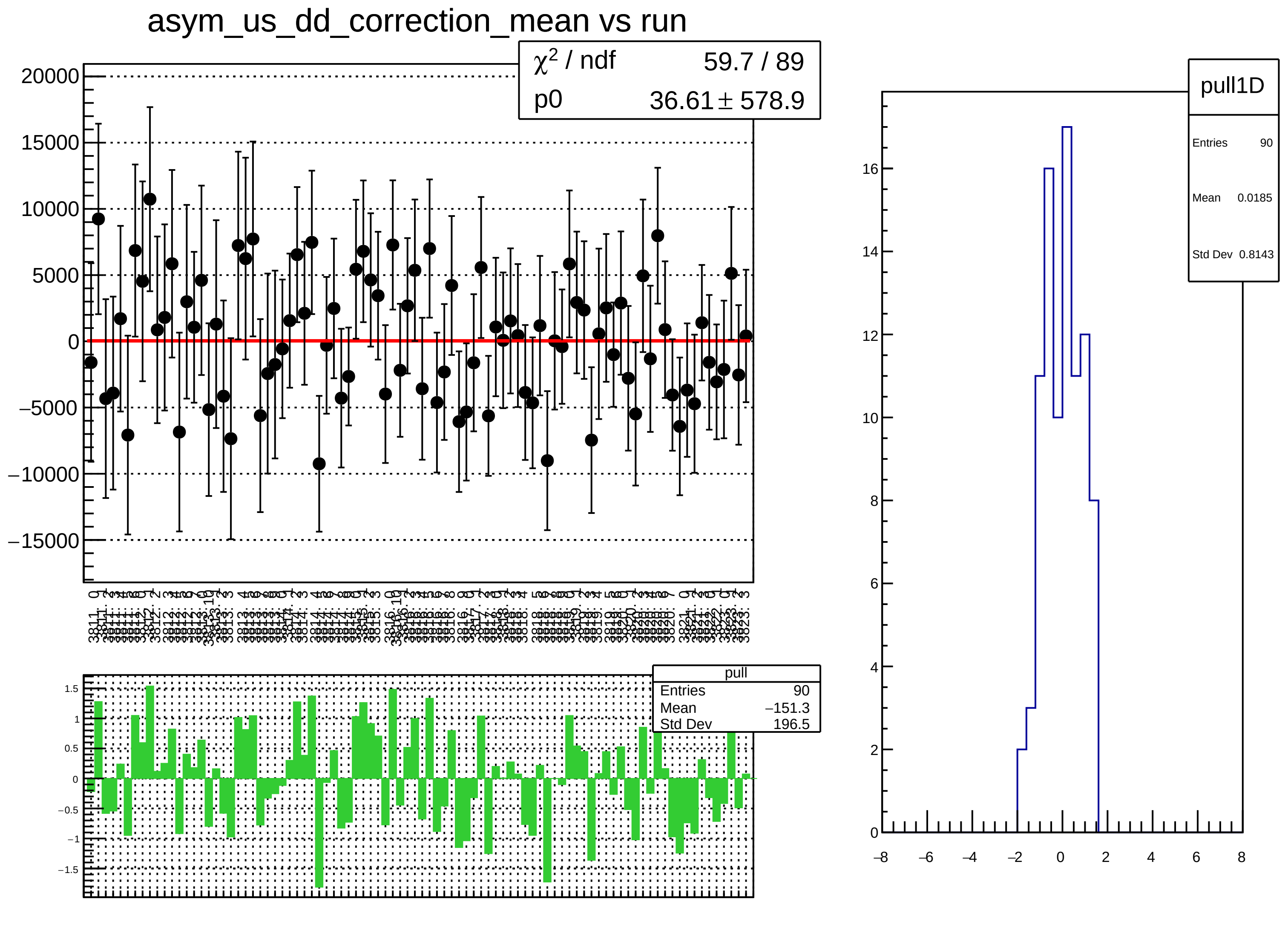

asym_us_avg_mean vs run
χ^2 / ndf 71.16 / 89
p0 −823.4 ± 322.9
10000
5000
0
−5000
−10000
pull
Entries 90
Mean −127.8
Std Dev 212.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 90
Mean 0.004382
Std Dev 0.8892
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_rms vs run
χ^2 / ndf 2.785e+04 / 89
p0 296.9 ± 0.2284
360
340
320
300
280
260
240
220
200

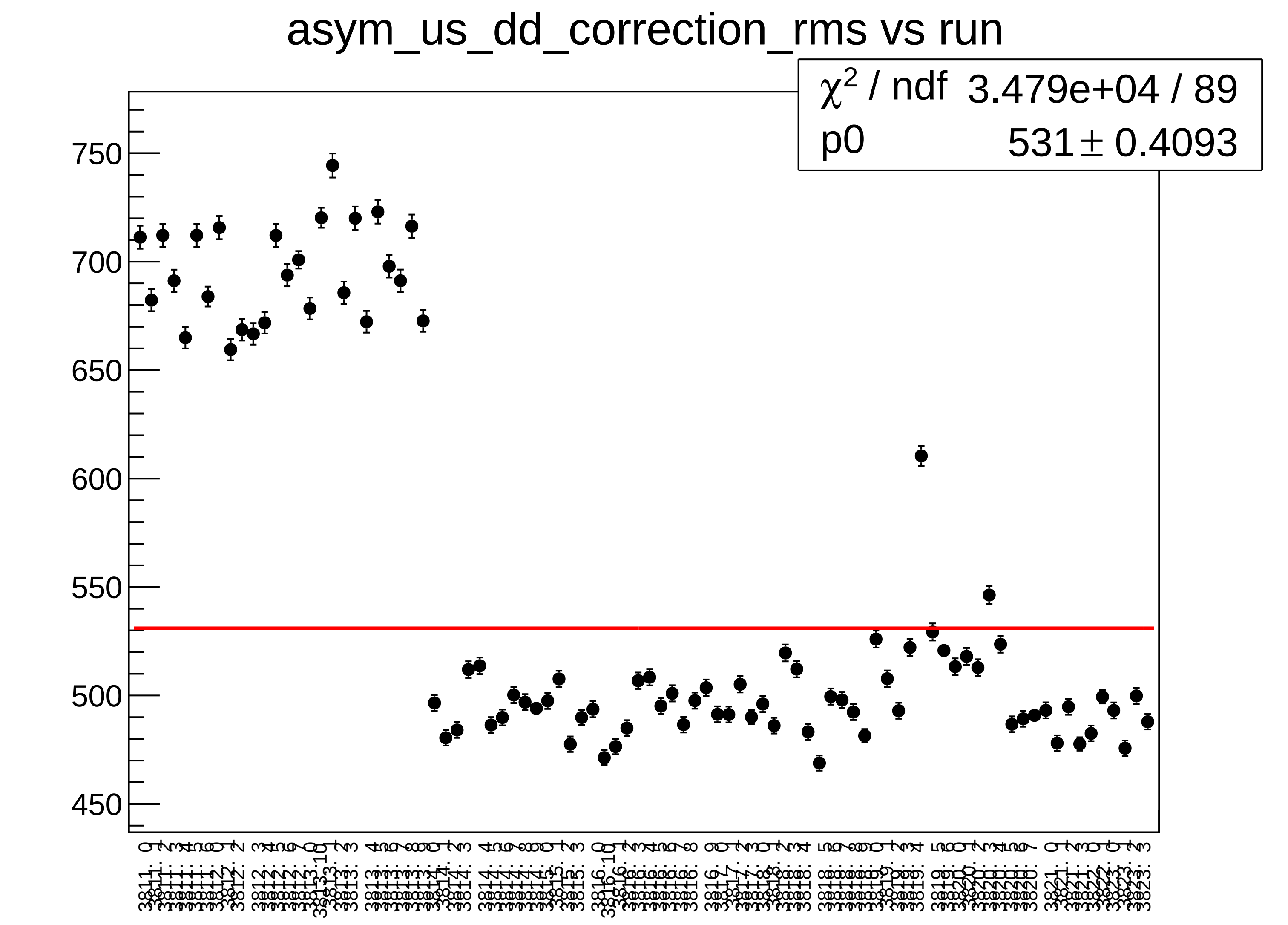

reg_asym_us_dd_mean vs run
χ^2 / ndf 93.4 / 89
p0 −108.2 ± 106.1
pull
Entries 90
Mean 130.2
Std Dev 30.04
pull1D
Entries 90
Mean −0.01775
Std Dev 1.019

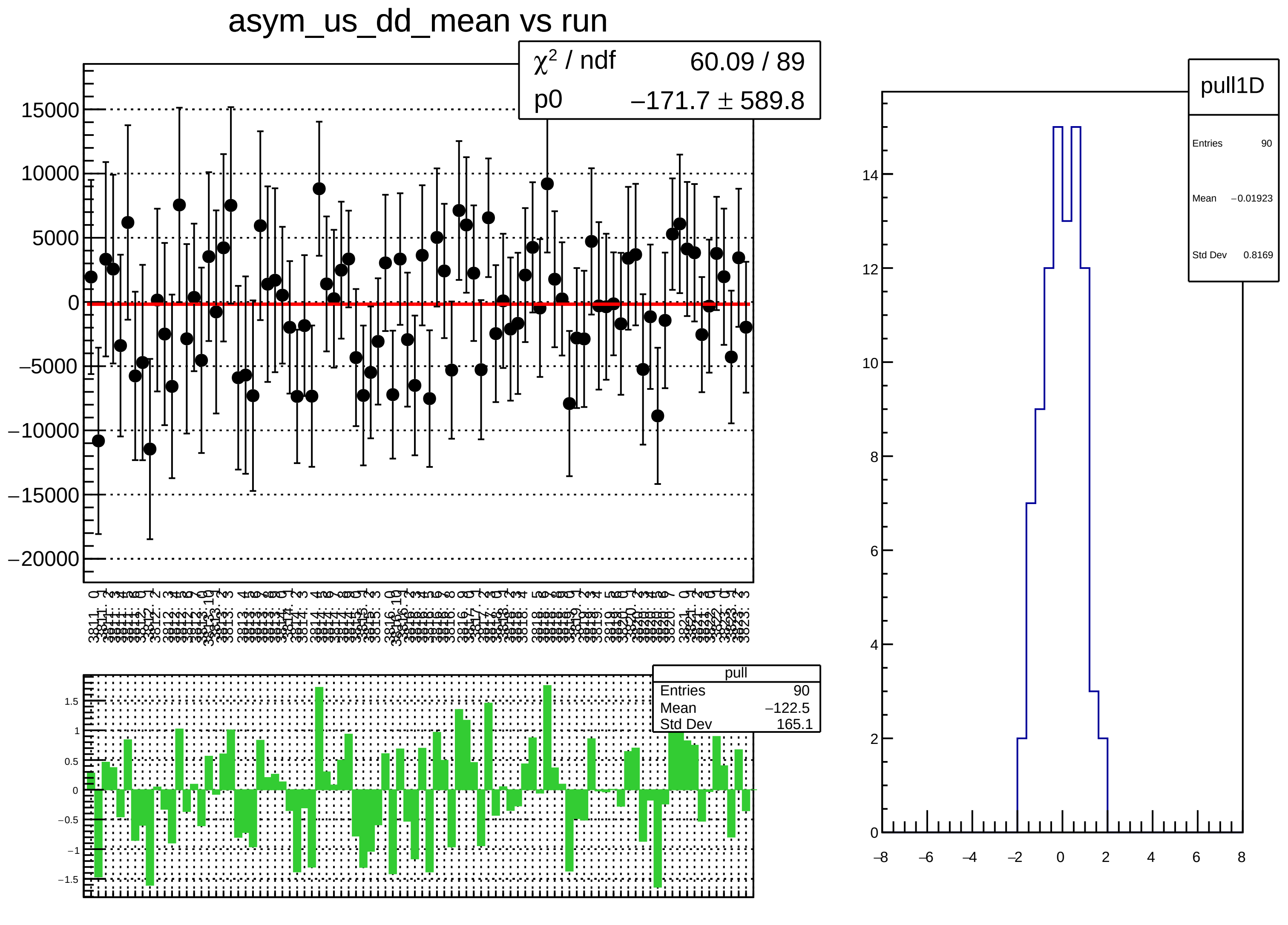


reg_asym_us_dd_rms vs run
χ^2 / ndf 1.052e+04 / 89
p0 98.02 ± 0.07502
140
130
120
110
100
90

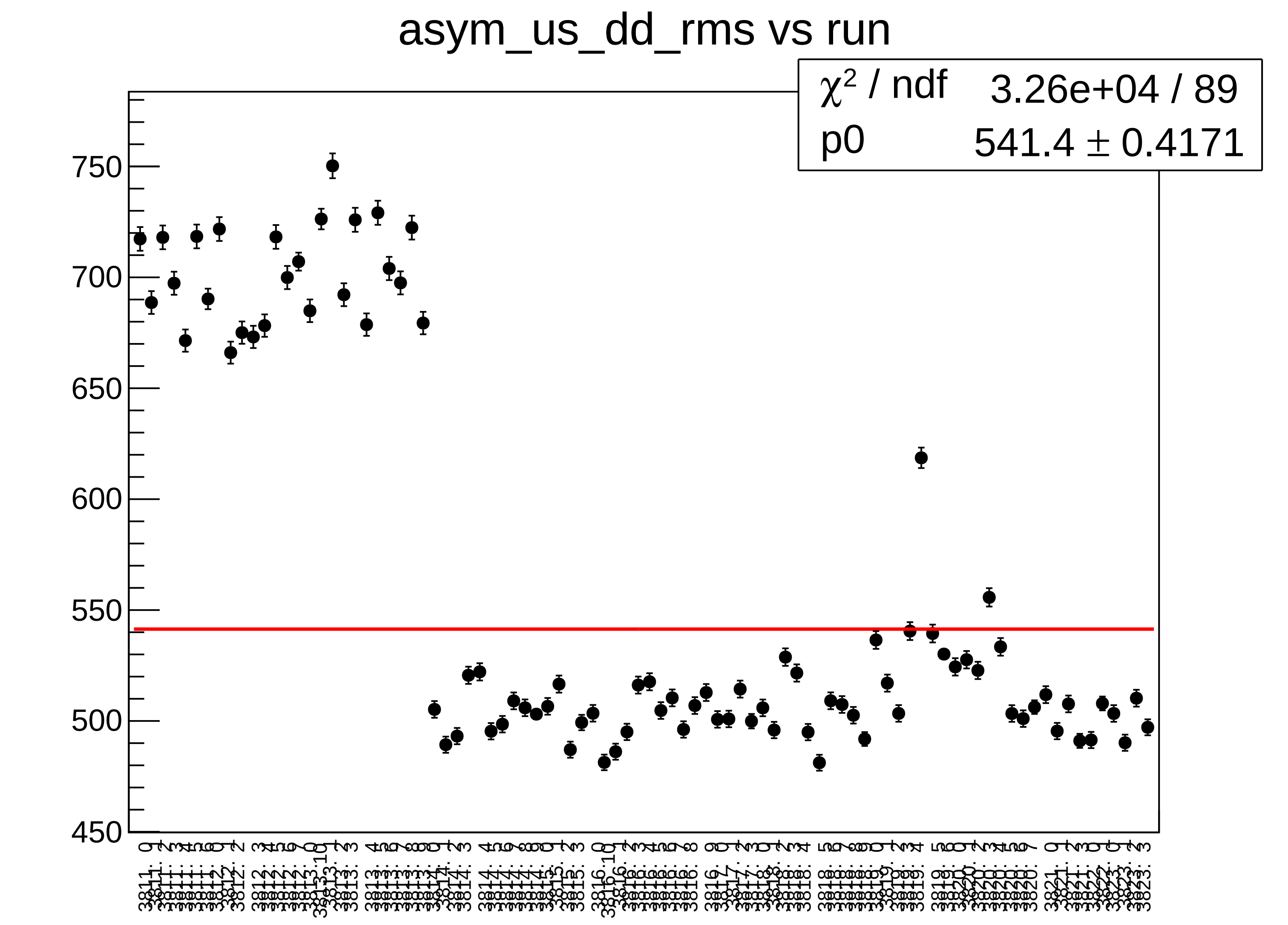


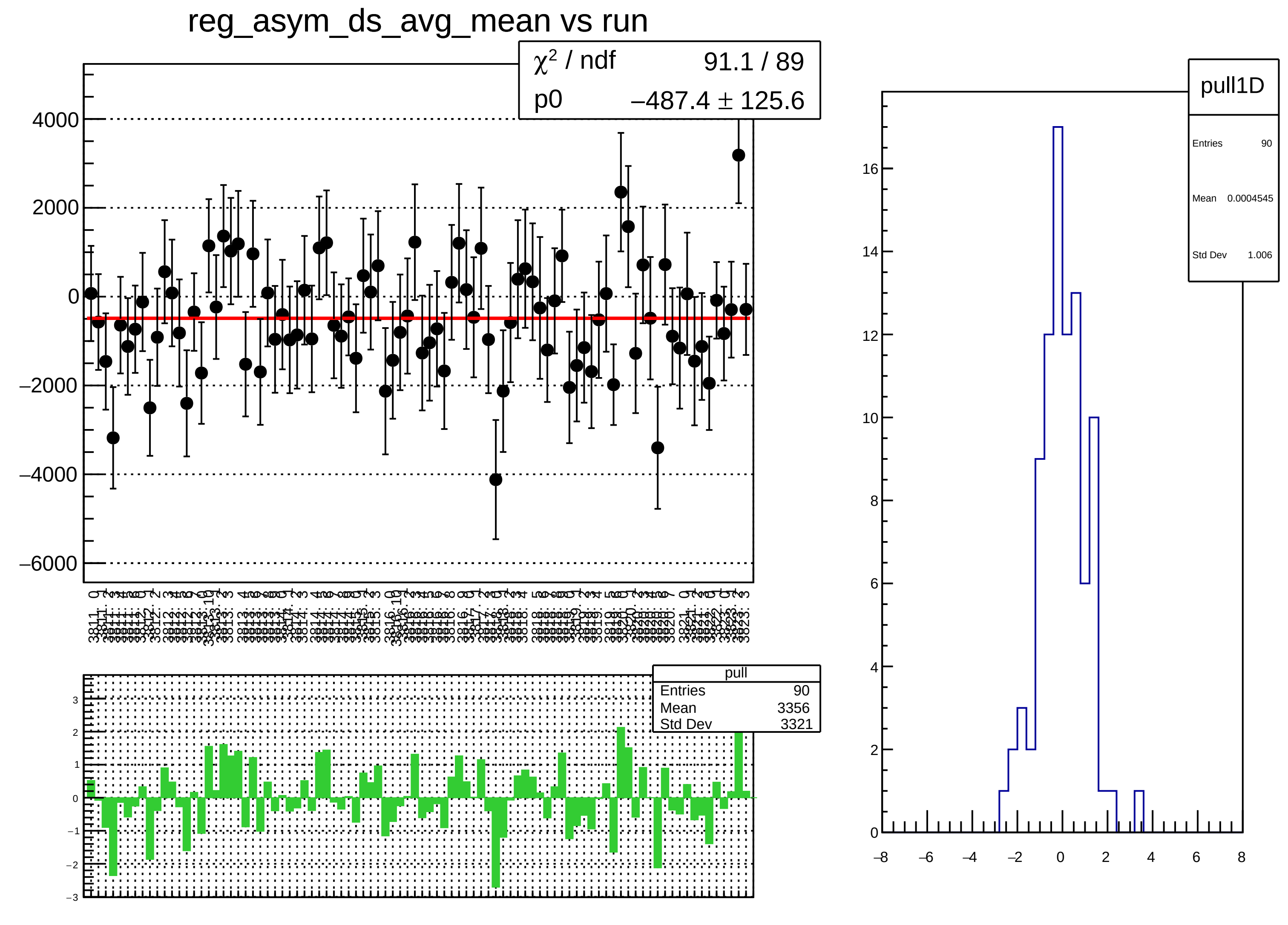
asym_us_dd_correction_mean vs run
χ^2 / ndf 59.7 / 89
p0 36.61 ± 578.9
pull
Entries 90
Mean −151.3
Std Dev 196.5
pull1D
Entries 90
Mean 0.0185
Std Dev 0.8143


asym_us_dd_correction_rms vs run
χ^2 / ndf 3.479e+04 / 89
p0 531 ± 0.4093
750
700
650
600
550
500
450

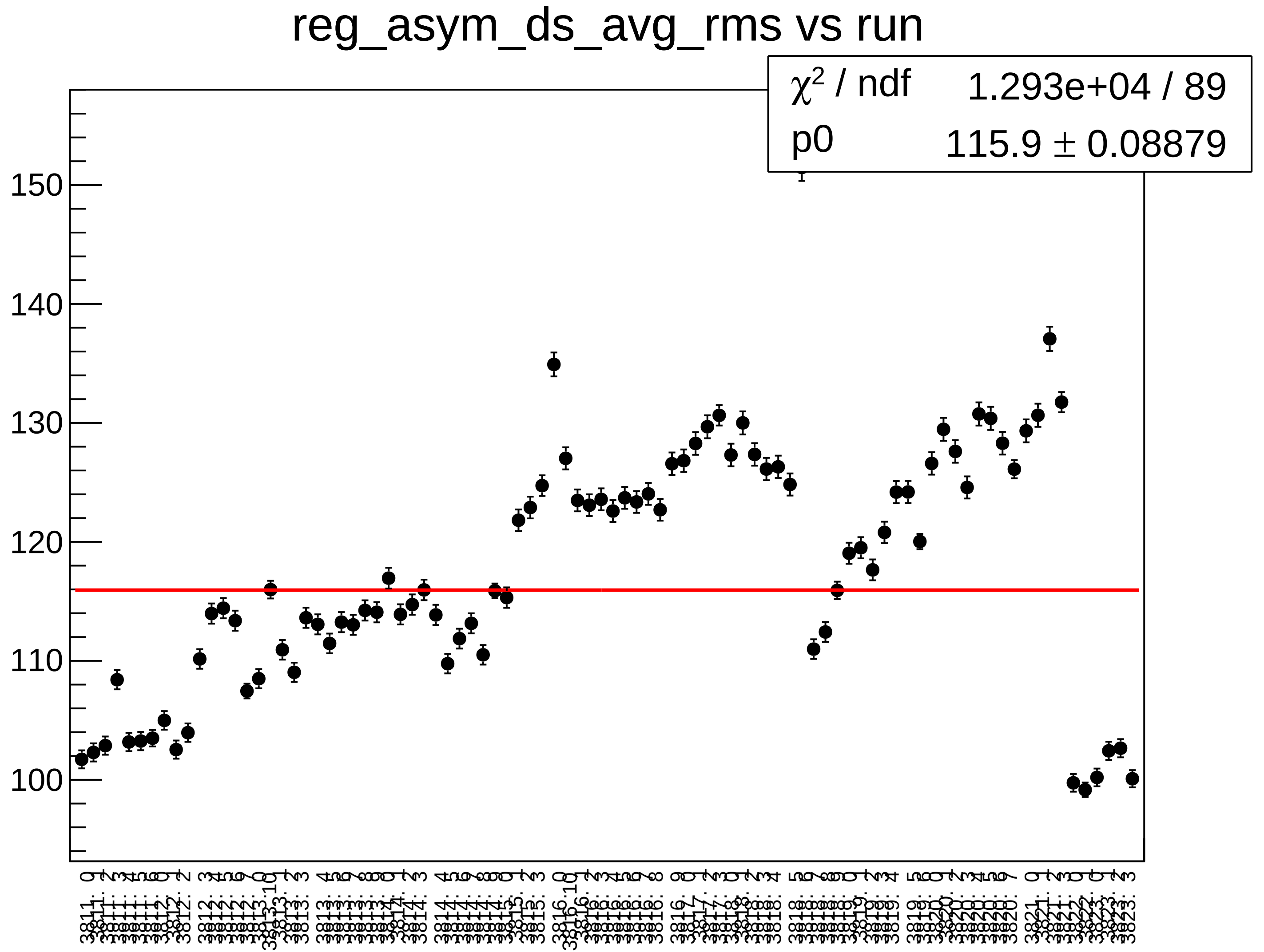


asym_us_dd_mean vs run
χ^2 / ndf 60.09 / 89
p0 −171.7 ± 589.8
pull
Entries 90
Mean −122.5
Std Dev 165.1
pull1D
Entries 90
Mean −0.01923
Std Dev 0.8169

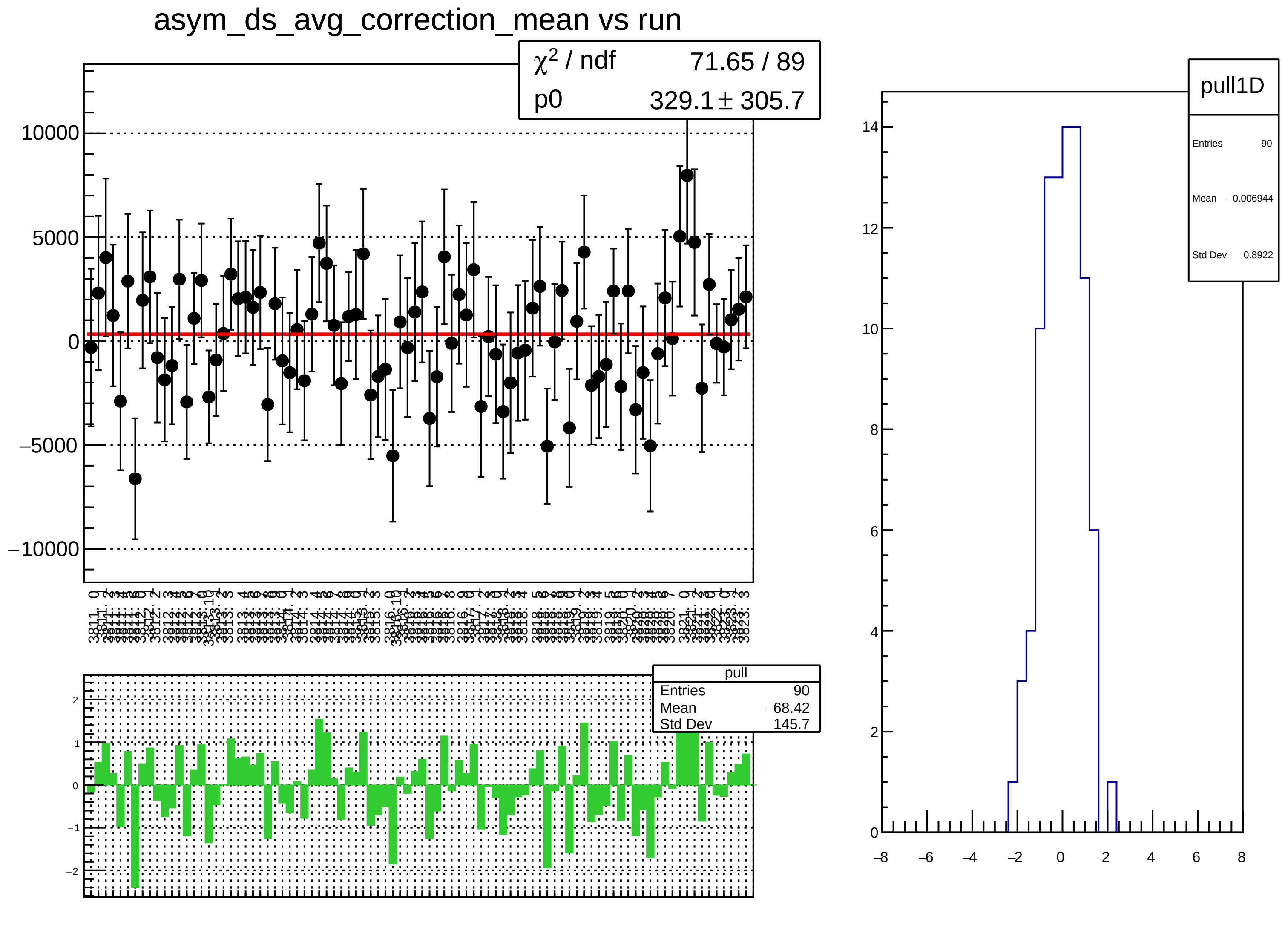

asym_us_dd_rms vs run
χ² / ndf 3.26e+04 / 89
p0 541.4 ± 0.4171
750
700
650
600
550
500
450

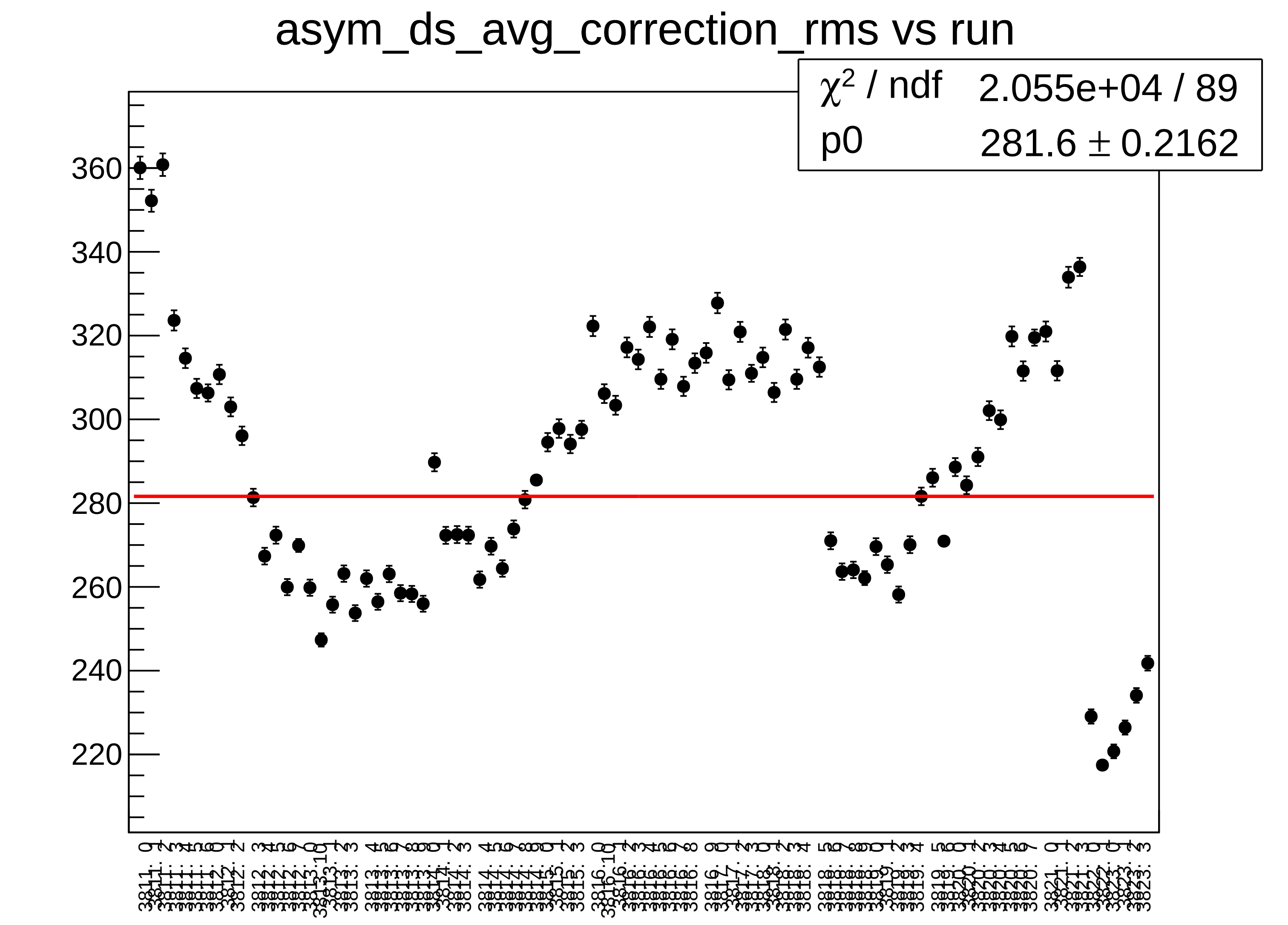


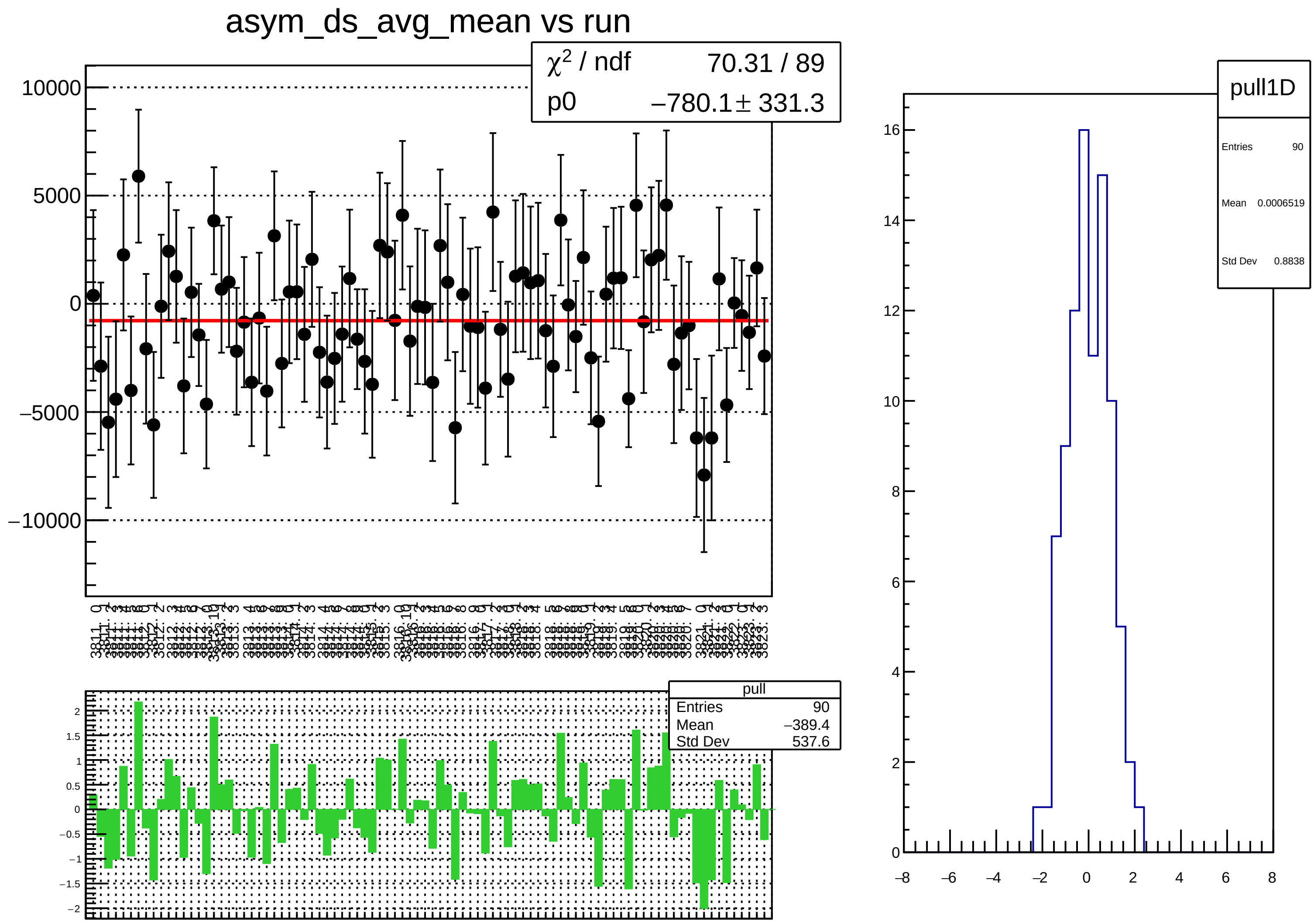
reg_asym_ds_avg_mean vs run
χ^2 / ndf 91.1 / 89
p0 −487.4 ± 125.6
pull
Entries 90
Mean 3356
Std Dev 3321
pull1D
Entries 90
Mean 0.0004545
Std Dev 1.006

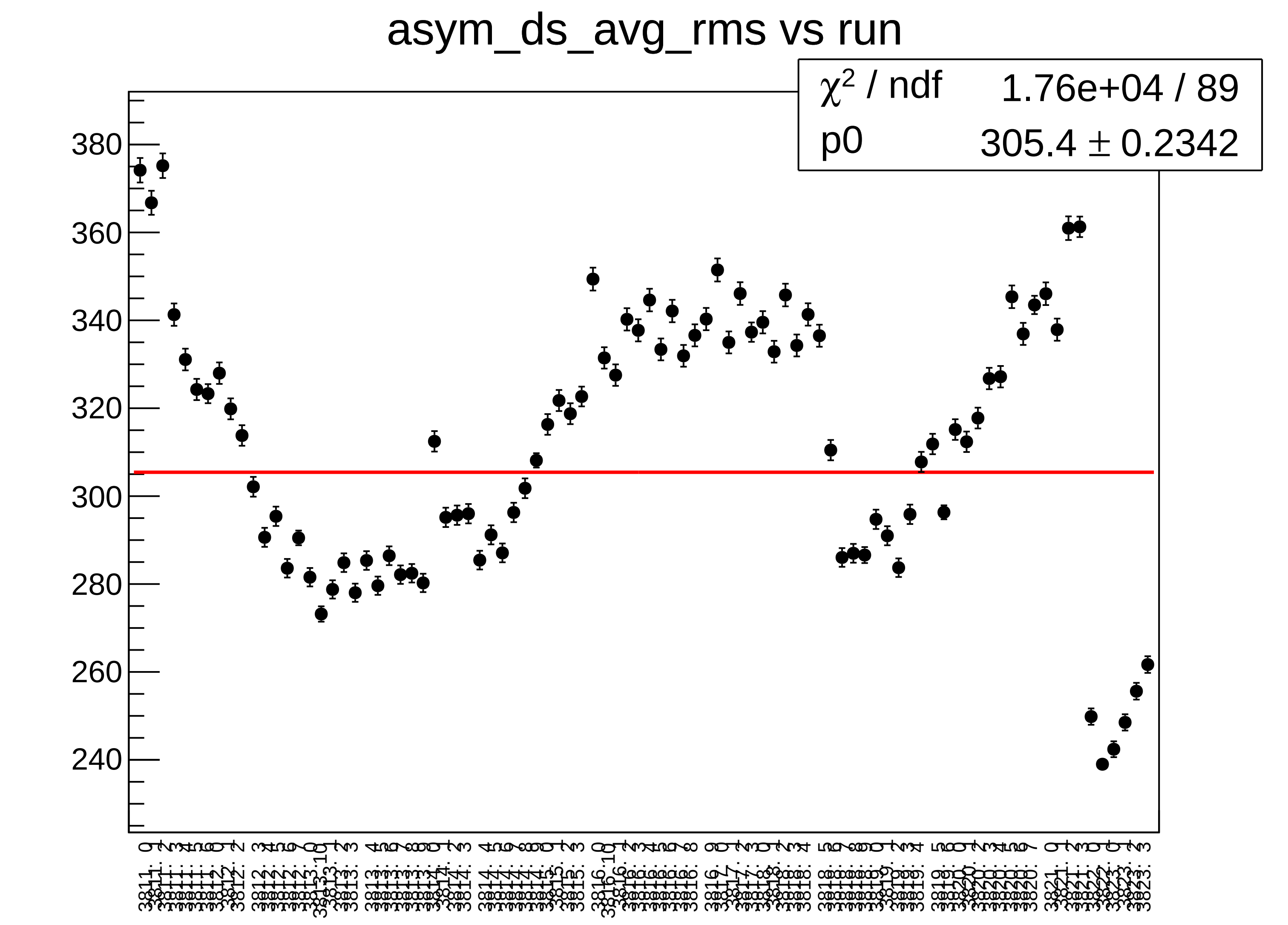


reg_asym_ds_avg_rms vs run
χ^2 / ndf 1.293e+04 / 89
p0 115.9 ± 0.08879
150
140
130
120
110
100

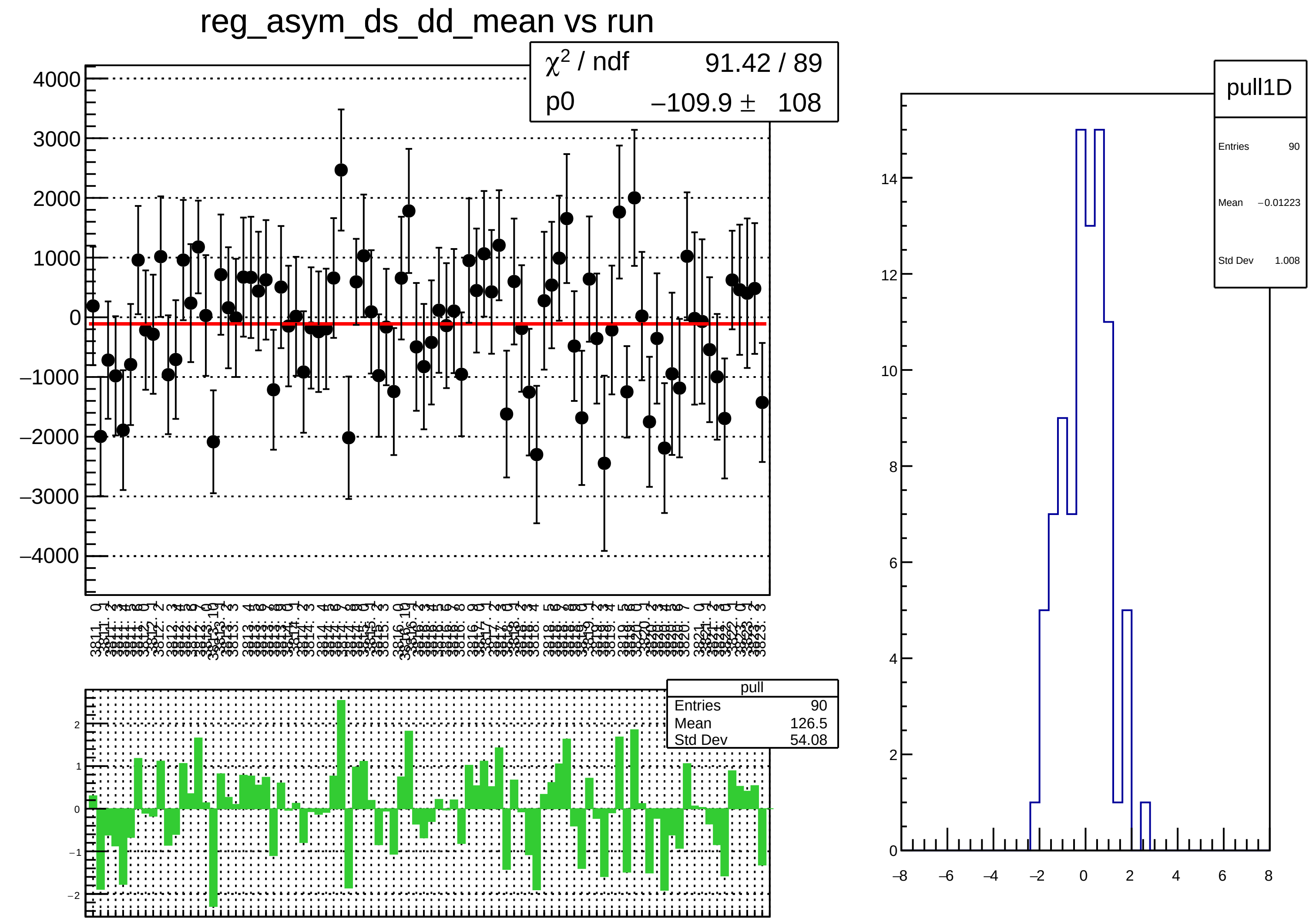

asym_ds_avg_correction_mean vs run
χ^2 / ndf 71.65 / 89
p0 329.1 ± 305.7
pull
Entries 90
Mean −68.42
Std Dev 145.7
pull1D
Entries 90
Mean −0.006944
Std Dev 0.8922

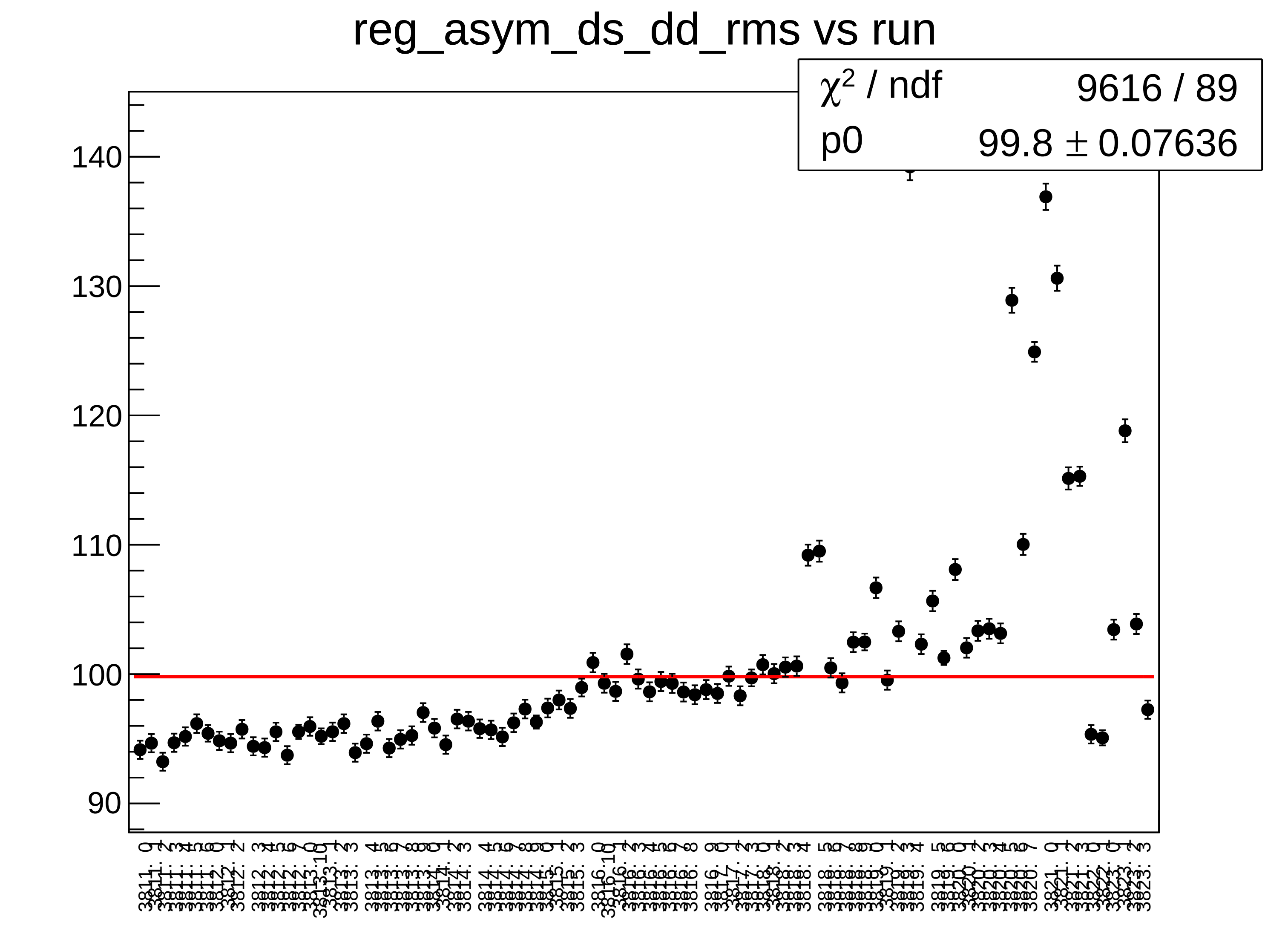

asym_ds_avg_correction_rms vs run
χ^2 / ndf 2.055e+04 / 89
p0 281.6 ± 0.2162
360
340
320
300
280
260
240
220

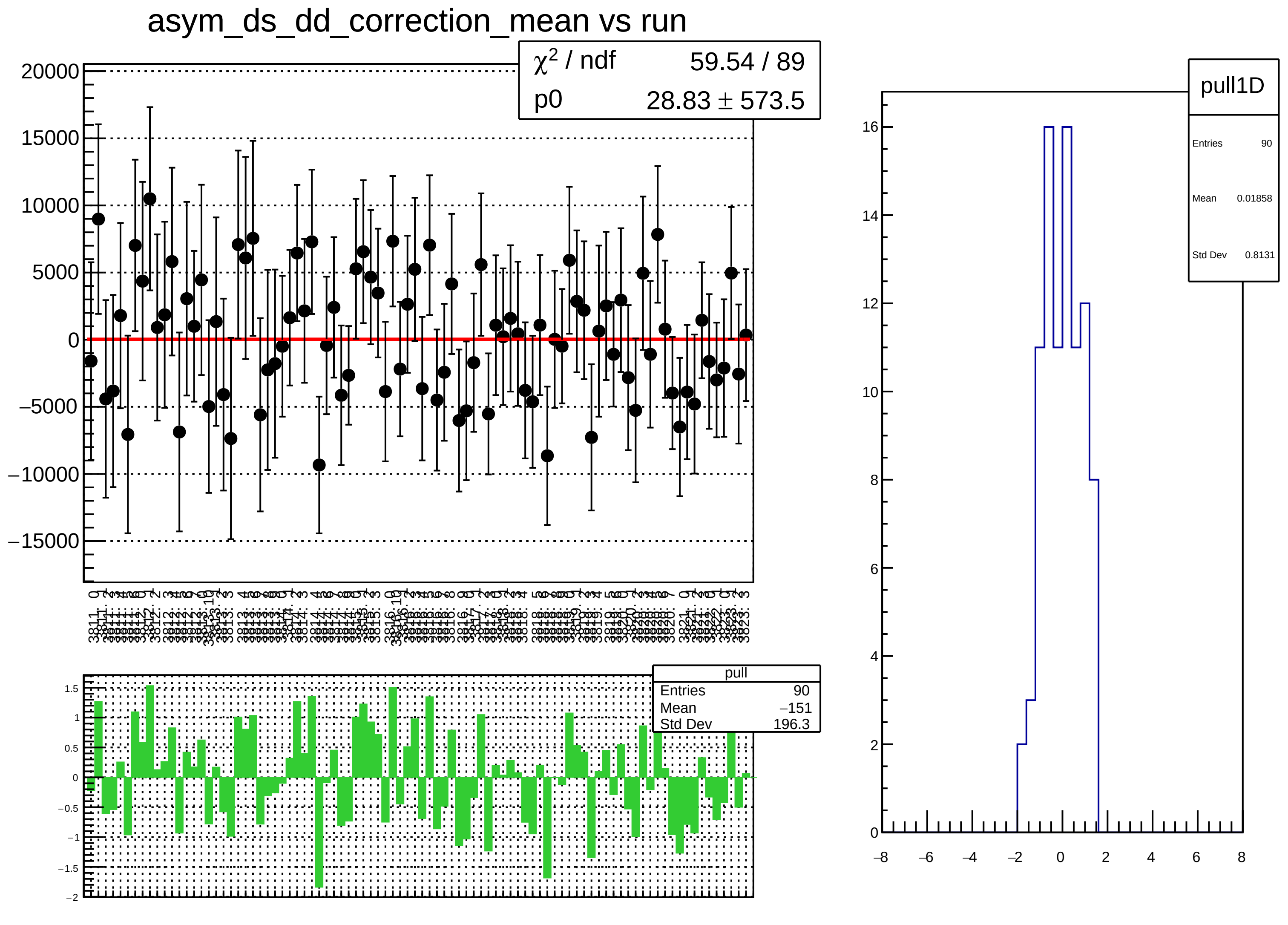

asym_ds_avg_mean vs run
χ2 / ndf 70.31 / 89
p0 −780.1 ± 331.3
10000
5000
0
−5000
−10000
pull
Entries 90
Mean −389.4
Std Dev 537.6
pull1D
Entries 90
Mean 0.0006519
Std Dev 0.8838



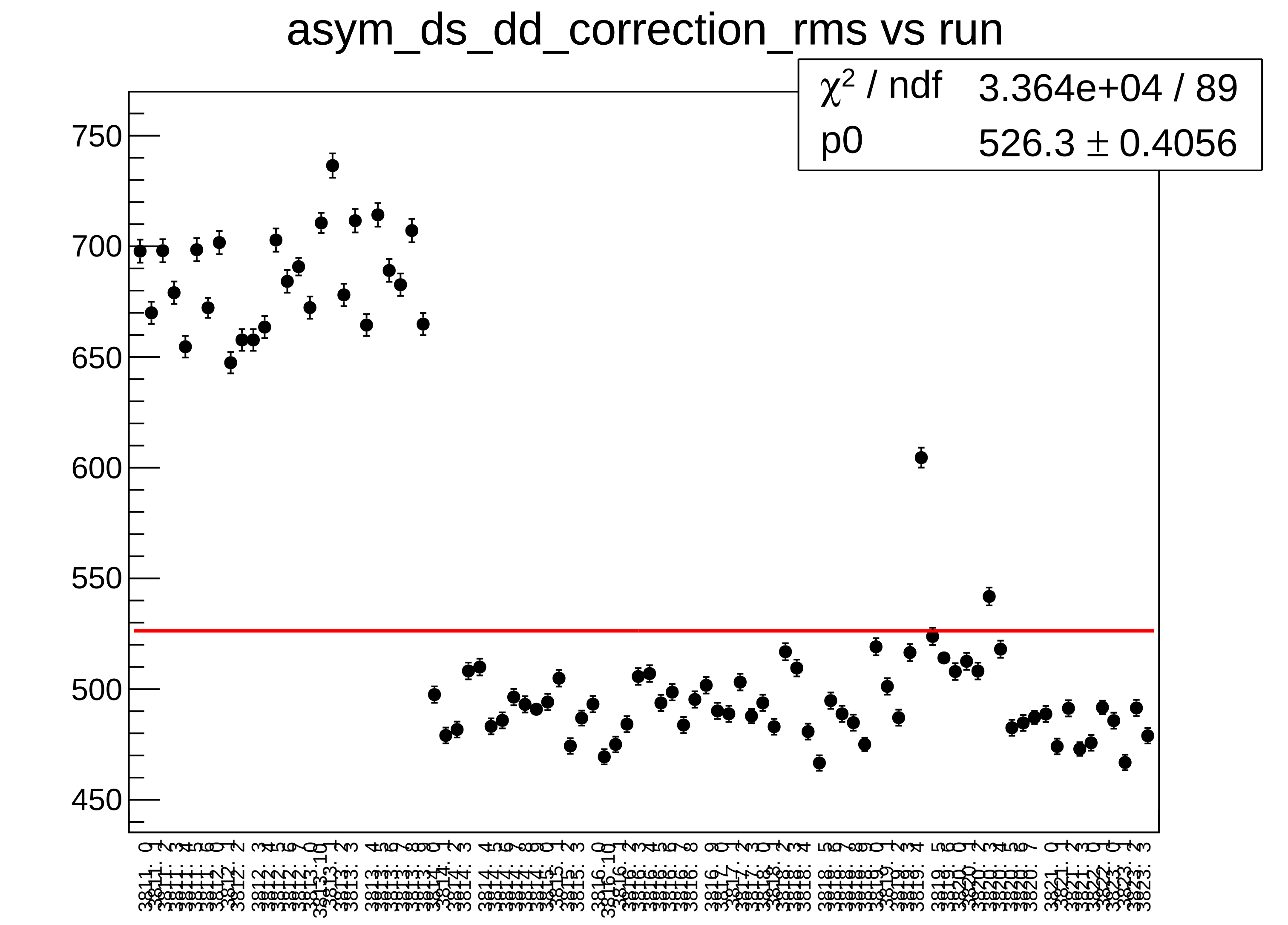
asym_ds_avg_rms vs run
χ^2 / ndf 1.76e+04 / 89
p0 305.4 ± 0.2342
380
360
340
320
300
280
260
240

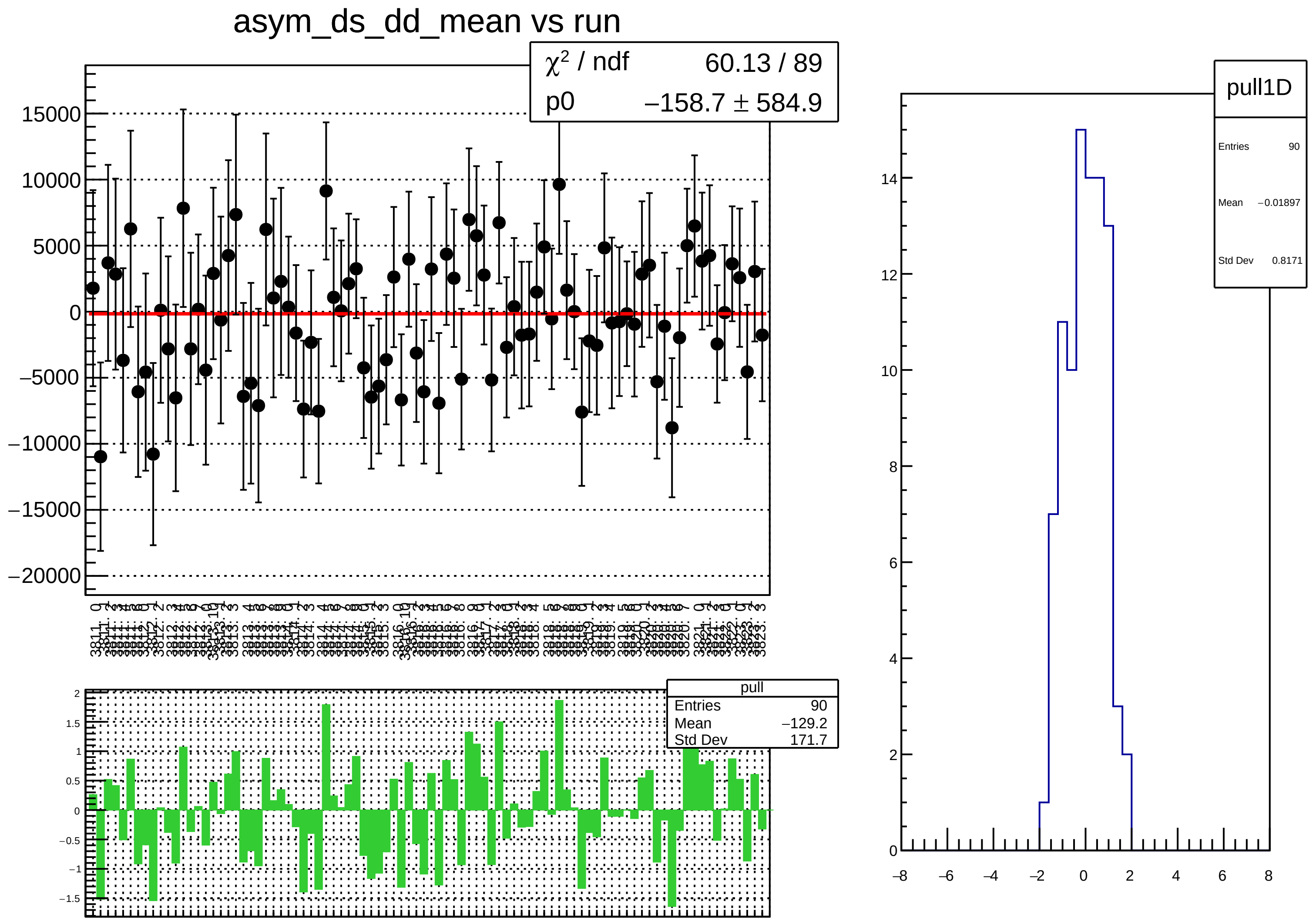

reg_asym_ds_dd_mean vs run
χ^2 / ndf 91.42 / 89
p0 −109.9 ± 108
pull
Entries 90
Mean 126.5
Std Dev 54.08
pull1D
Entries 90
Mean −0.01223
Std Dev 1.008


reg_asym_ds_dd_rms vs run
χ2 / ndf 9616 / 89
p0 99.8 ± 0.07636
140
130
120
110
100
90

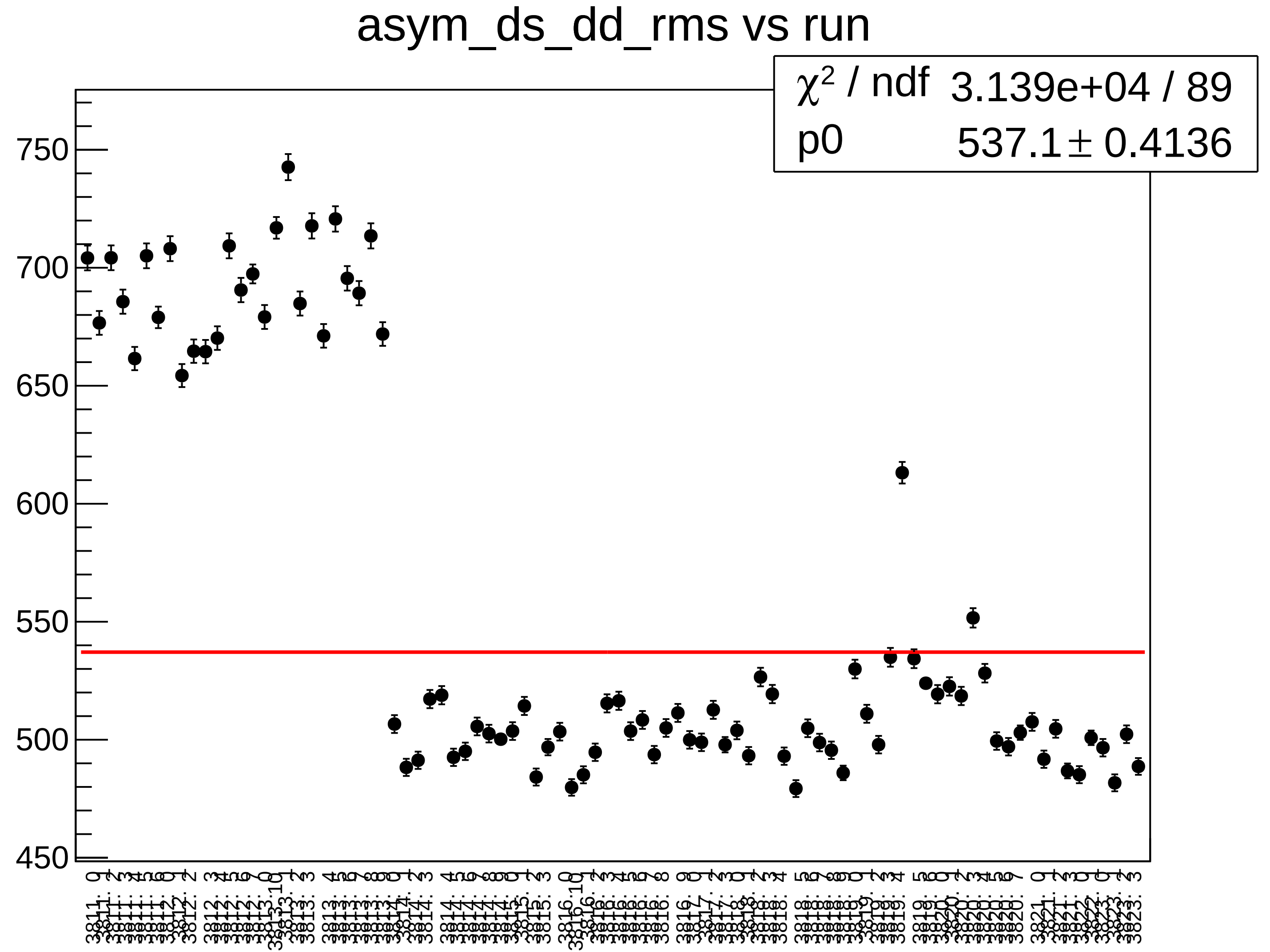


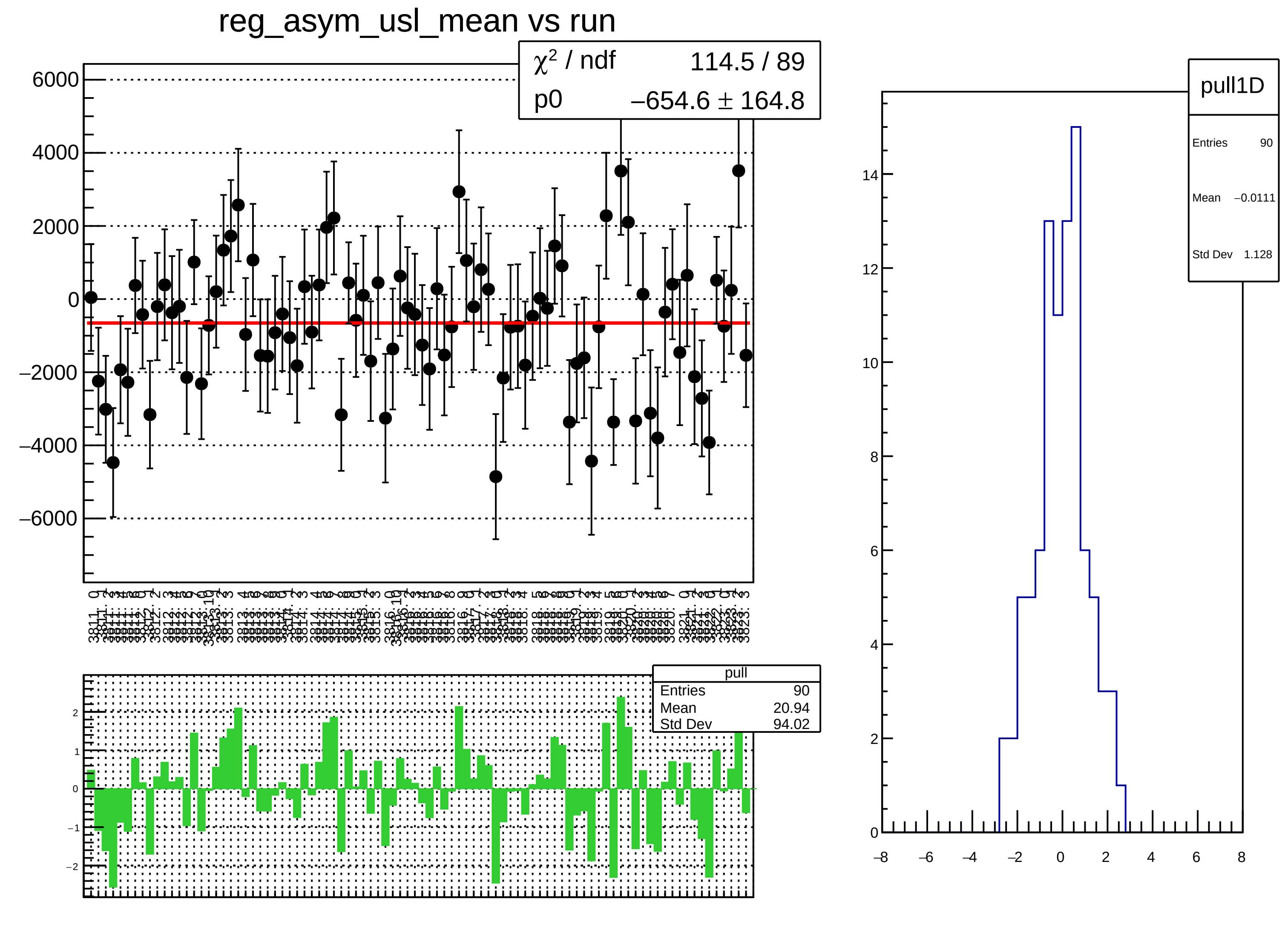
asym_ds_dd_correction_mean vs run
χ^2 / ndf 59.54 / 89
p0 28.83 ± 573.5
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 90
Mean −151
Std Dev 196.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 90
Mean 0.01858
Std Dev 0.8131
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_dd_correction_rms vs run
χ^2 / ndf 3.364e+04 / 89
p0 526.3 ± 0.4056
750
700
650
600
550
500
450

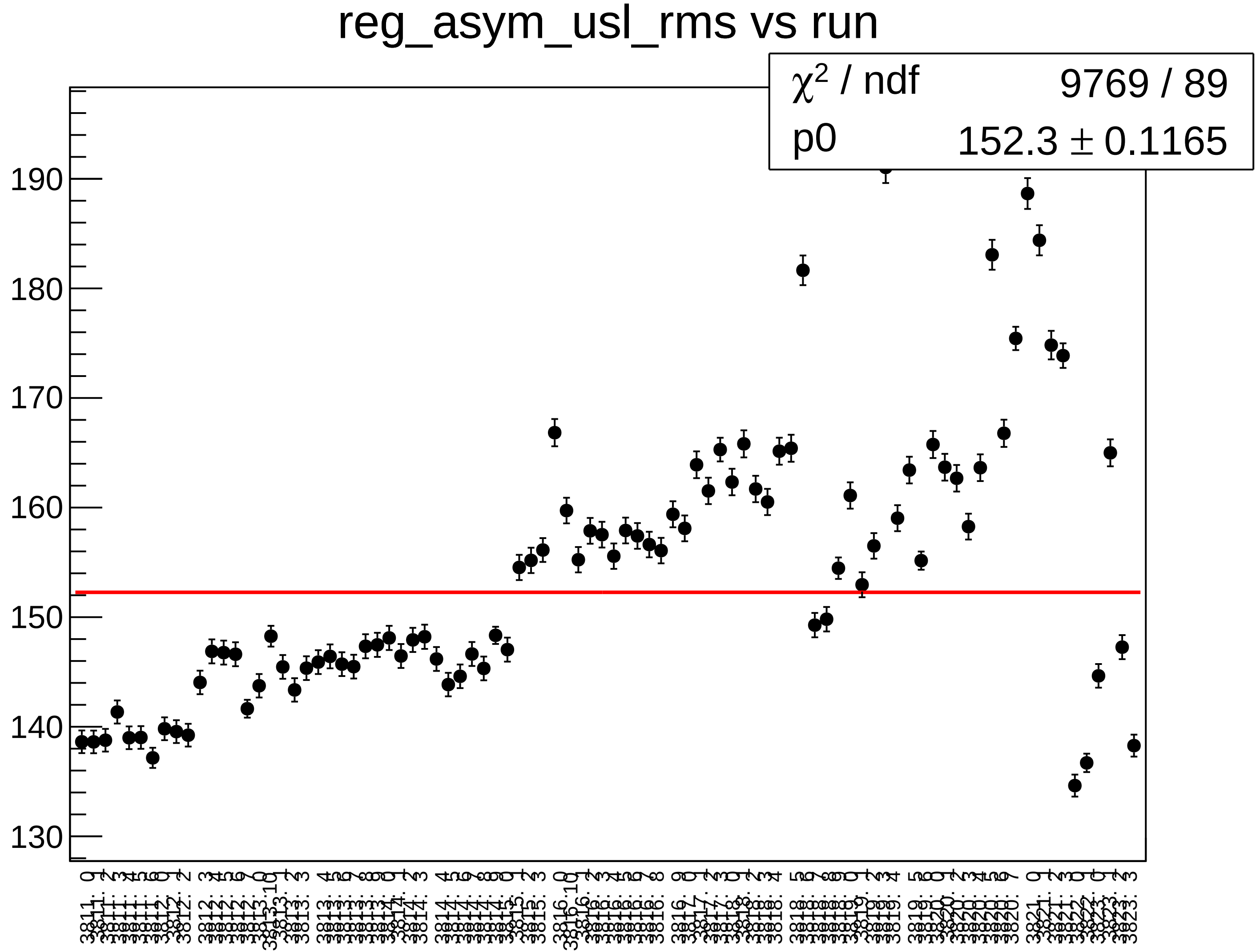


asym_ds_dd_mean vs run
χ² / ndf 60.13 / 89
p0 −158.7 ± 584.9
pull
Entries 90
Mean −129.2
Std Dev 171.7
pull1D
Entries 90
Mean −0.01897
Std Dev 0.8171

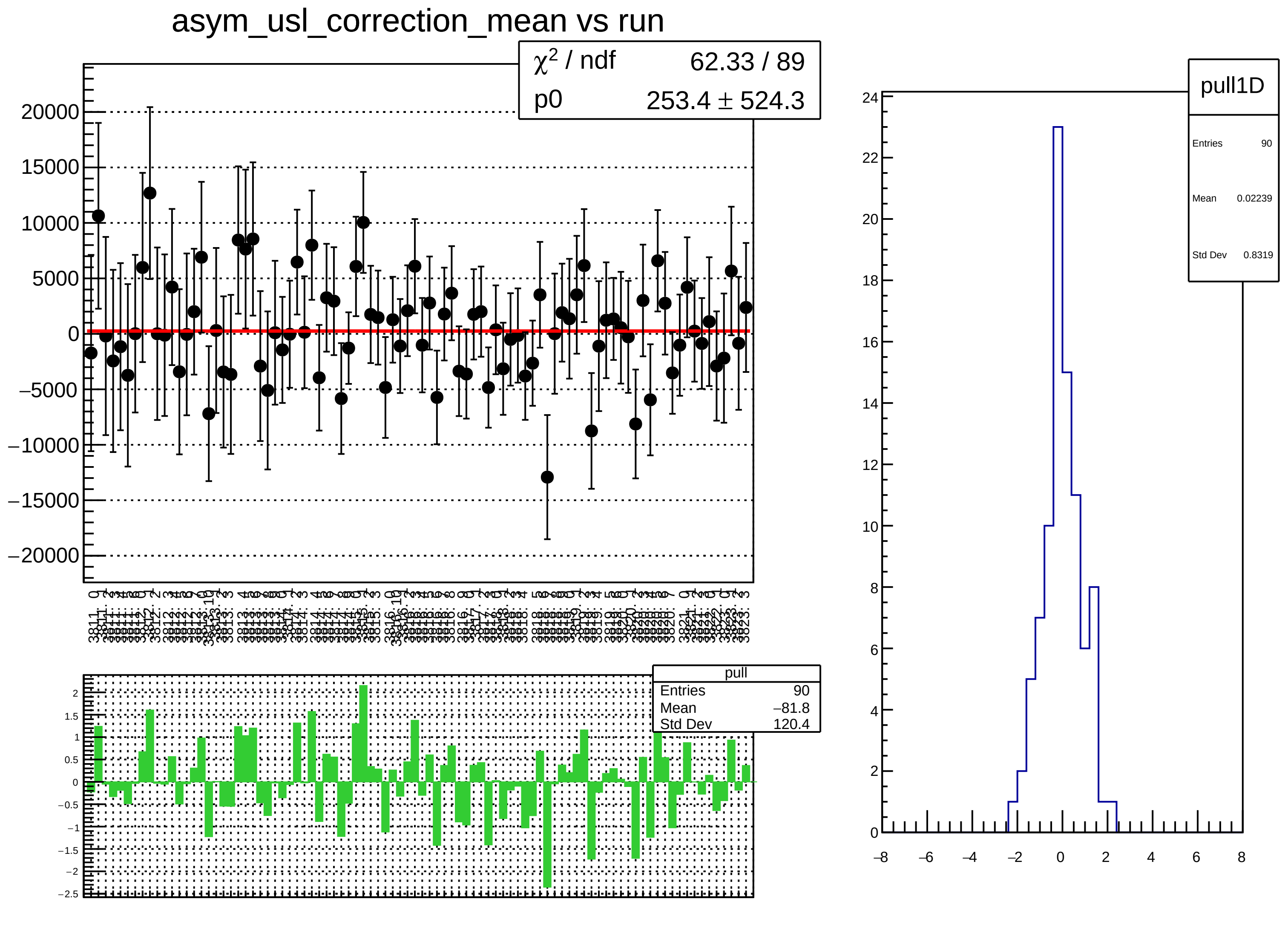

asym_ds_dd_rms vs run
χ2 / ndf 3.139e+04 / 89
p0 537.1 ± 0.4136
750
700
650
600
550
500
450



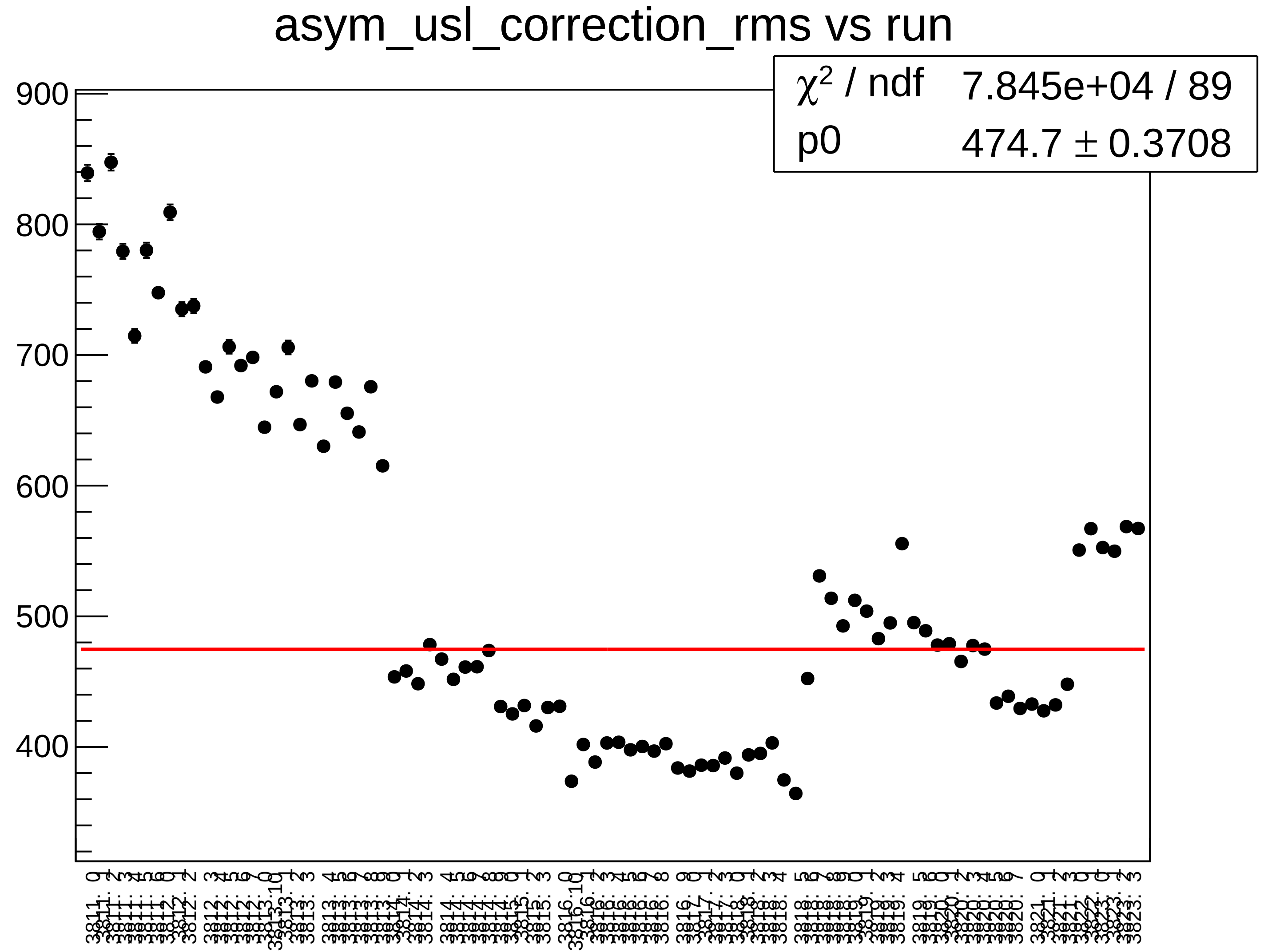
reg_asym_usl_mean vs run
χ^2 / ndf 114.5 / 89
p0 −654.6 ± 164.8
pull
Entries 90
Mean 20.94
Std Dev 94.02
pull1D
Entries 90
Mean −0.0111
Std Dev 1.128

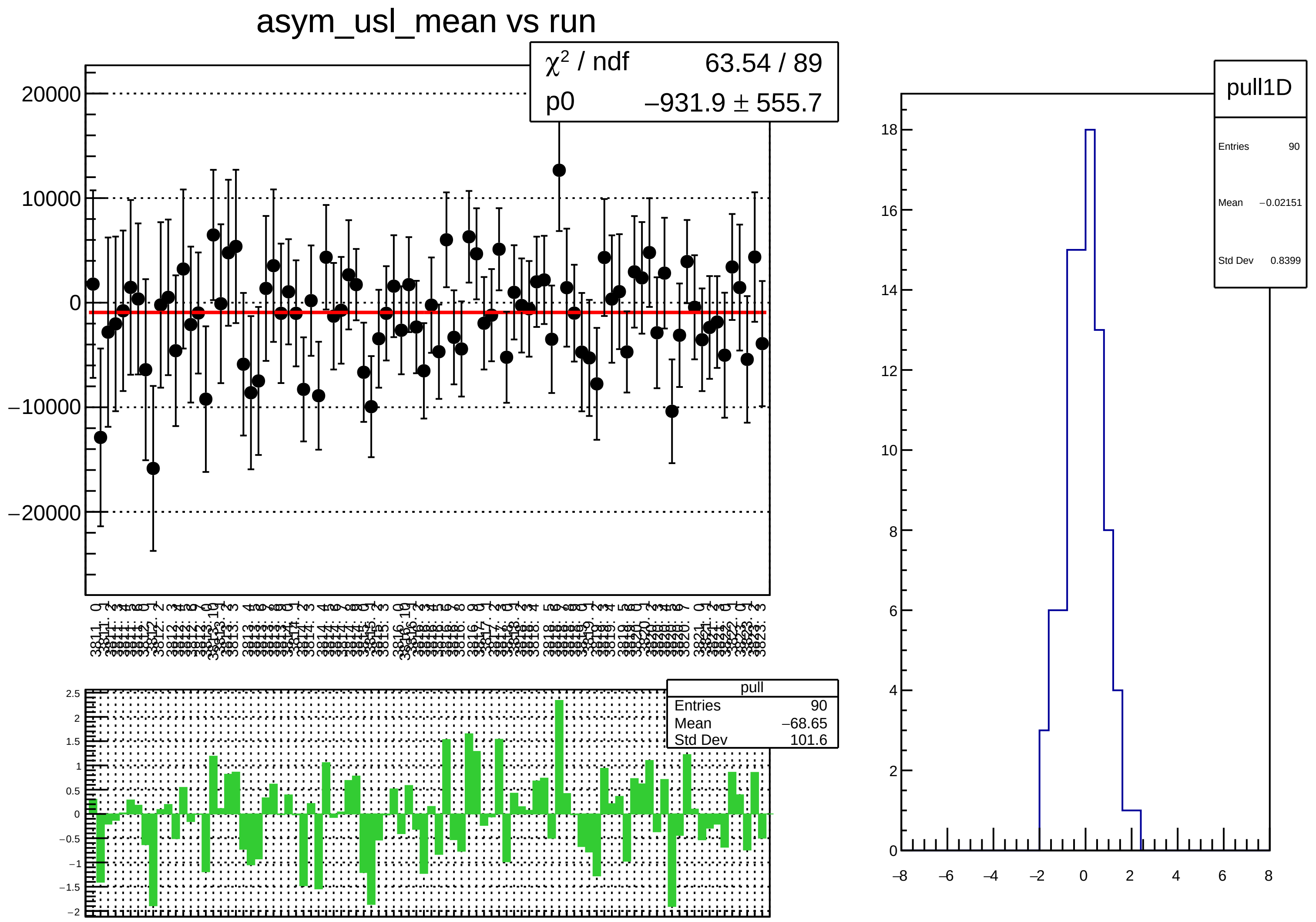


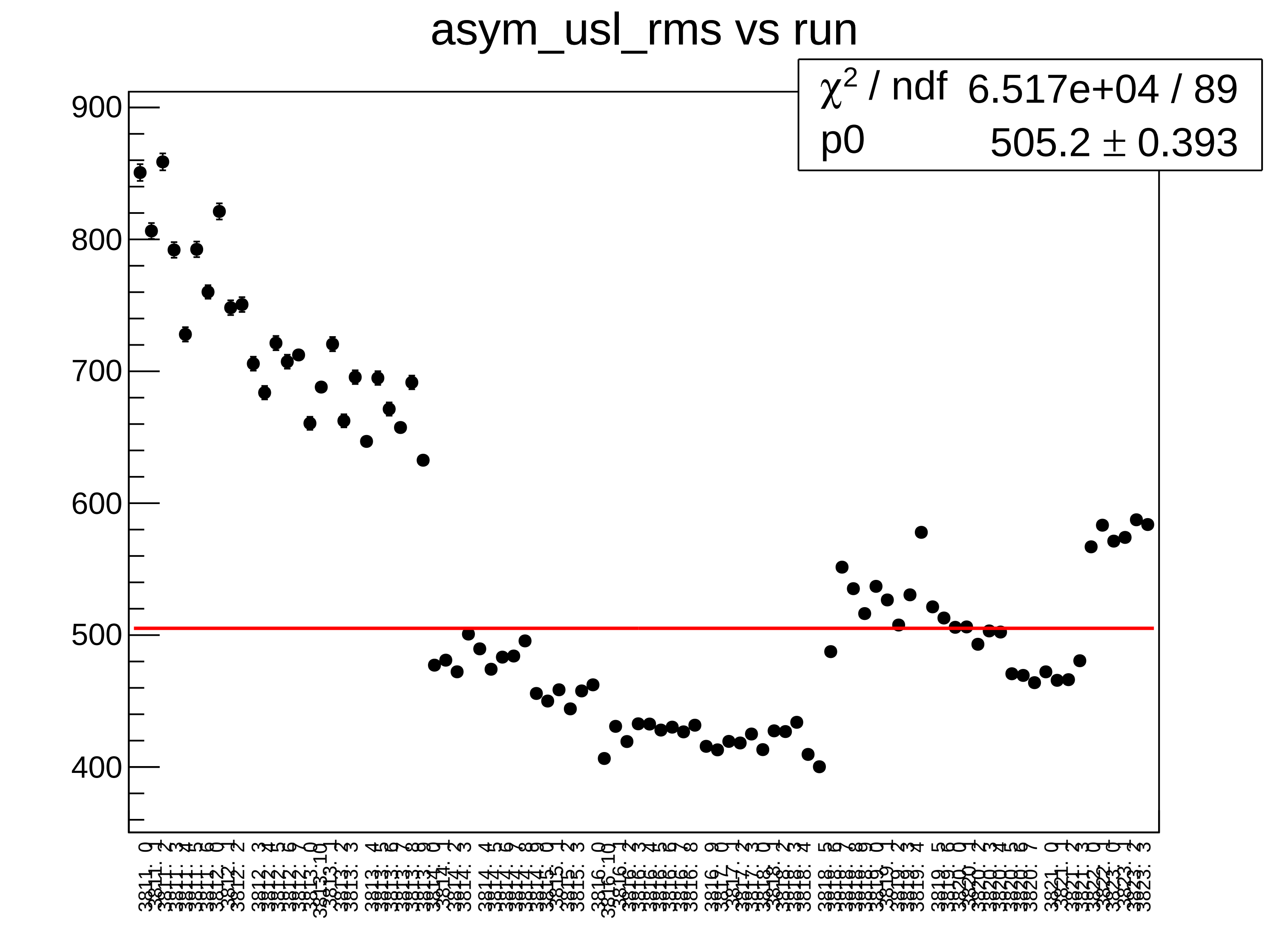
reg_asym_usl_rms vs run
χ^2 / ndf 9769 / 89
p0 152.3 ± 0.1165

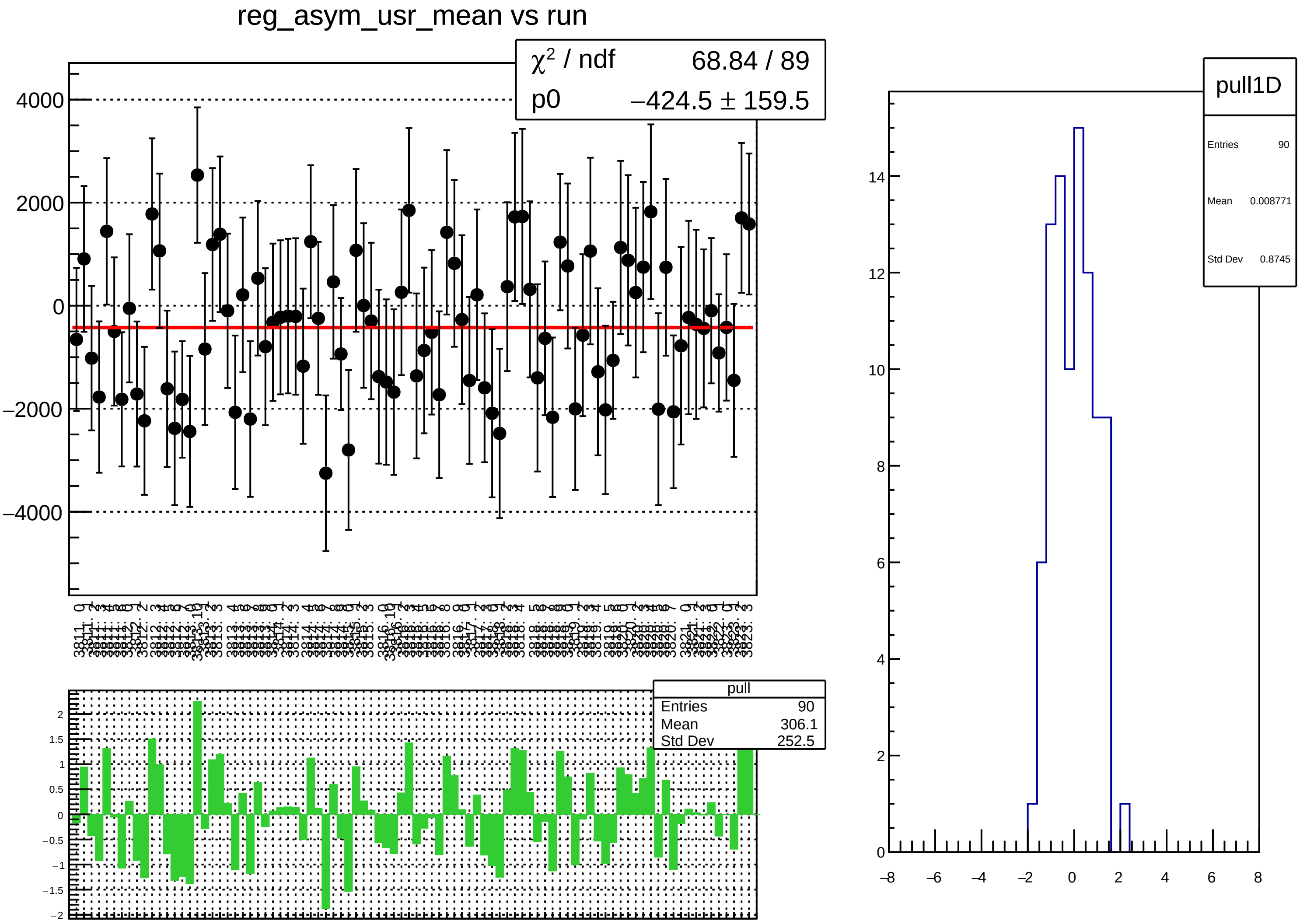


asym_usl_correction_mean vs run
χ2 / ndf 62.33 / 89
p0 253.4 ± 524.3
pull
Entries 90
Mean −81.8
Std Dev 120.4
pull1D
Entries 90
Mean 0.02239
Std Dev 0.8319

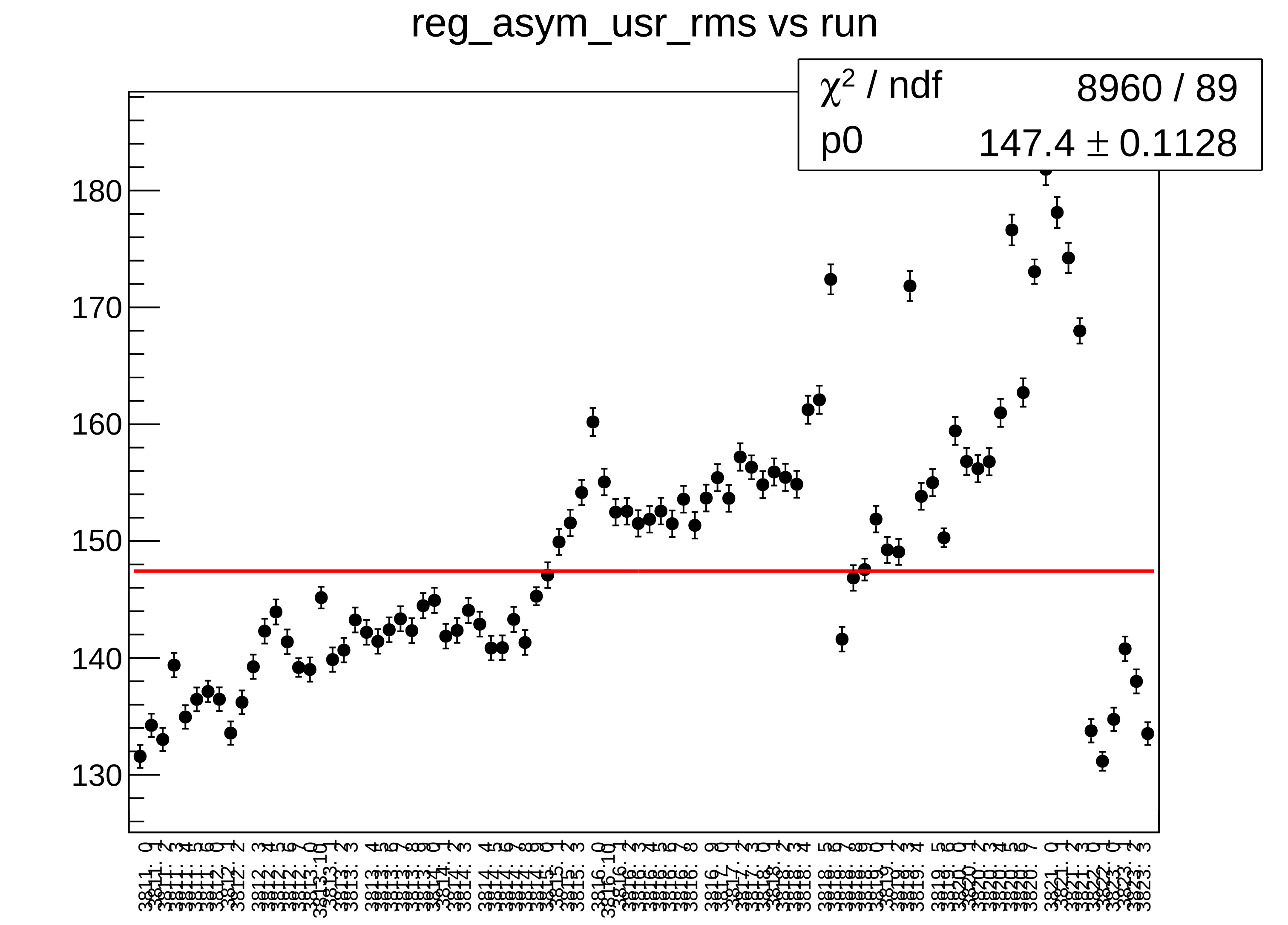

asym_usl_correction_rms vs run
χ2 / ndf 7.845e+04 / 89
p0 474.7 ± 0.3708
900
800
700
600
500
400


asym_usl_mean vs run
χ^2 / ndf 63.54 / 89
p0 −931.9 ± 555.7
20000
10000
0
−10000
−20000
pull
Entries 90
Mean −68.65
Std Dev 101.6
pull1D
Entries 90
Mean −0.02151
Std Dev 0.8399

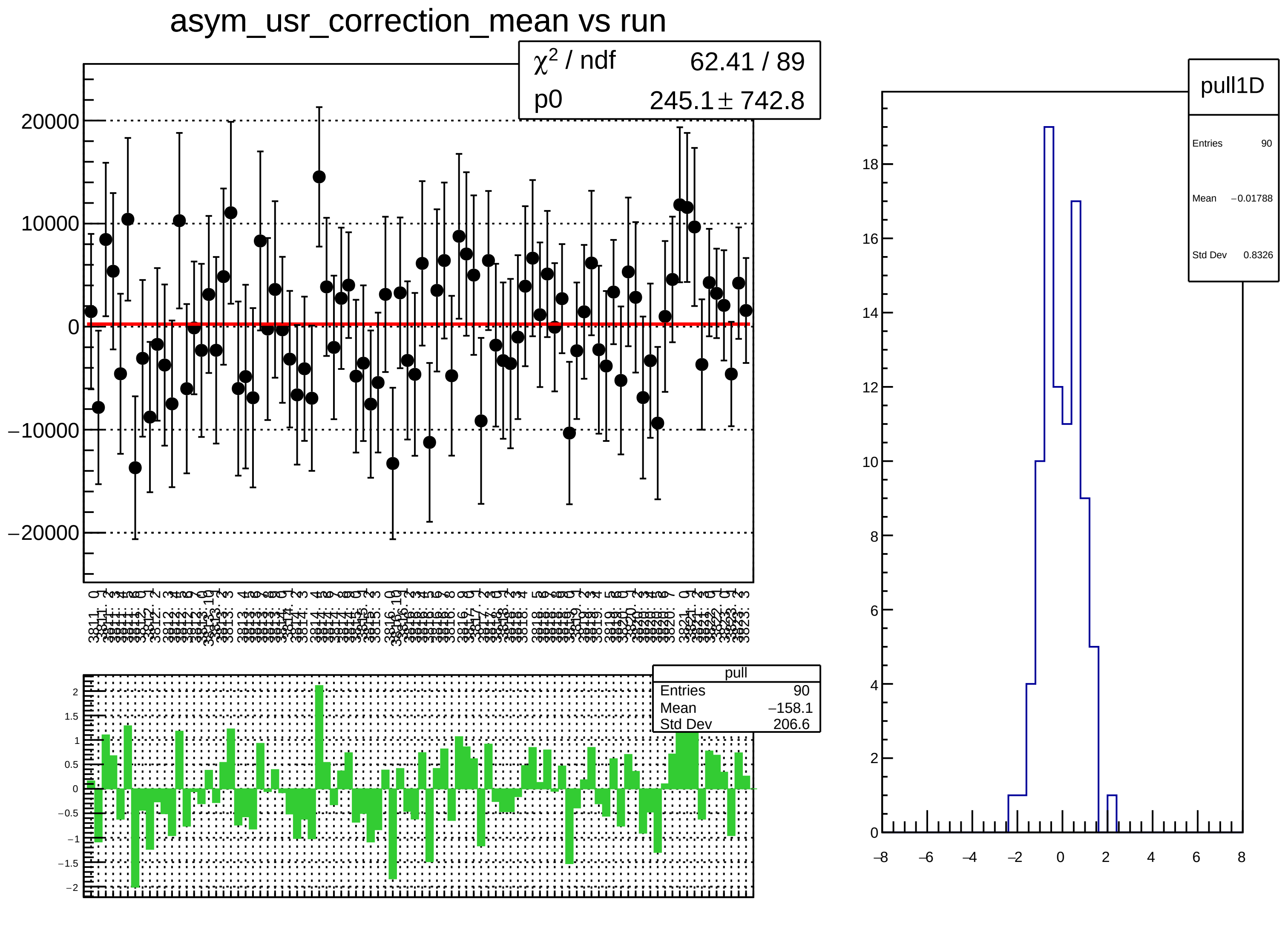

asym_usl_rms vs run
χ^2 / ndf 6.517e+04 / 89
p0 505.2 ± 0.393
900
800
700
600
500
400

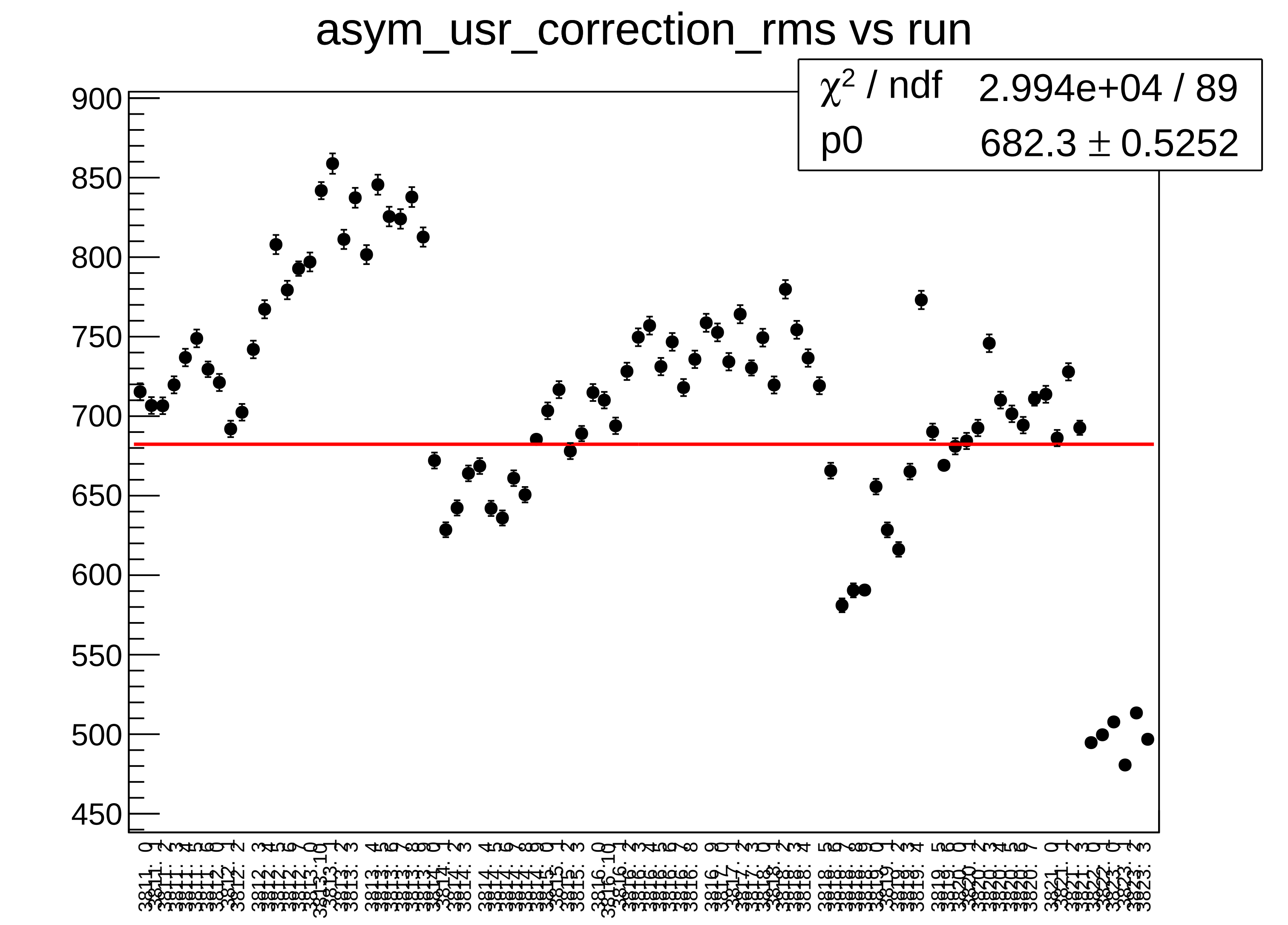


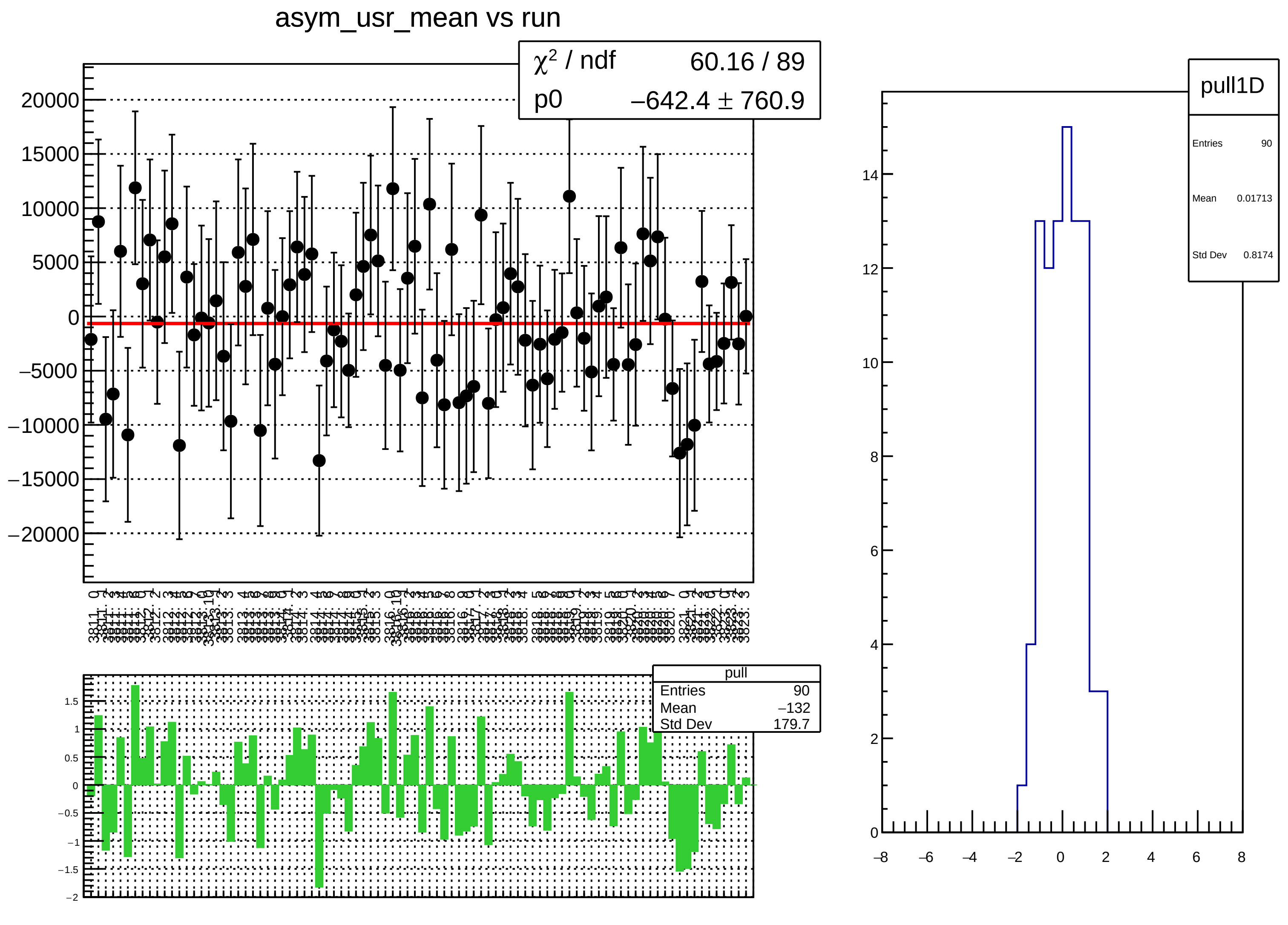
reg_asym_usr_mean vs run
χ2 / ndf 68.84 / 89
p0 −424.5 ± 159.5
pull
Entries 90
Mean 306.1
Std Dev 252.5
pull1D
Entries 90
Mean 0.008771
Std Dev 0.8745

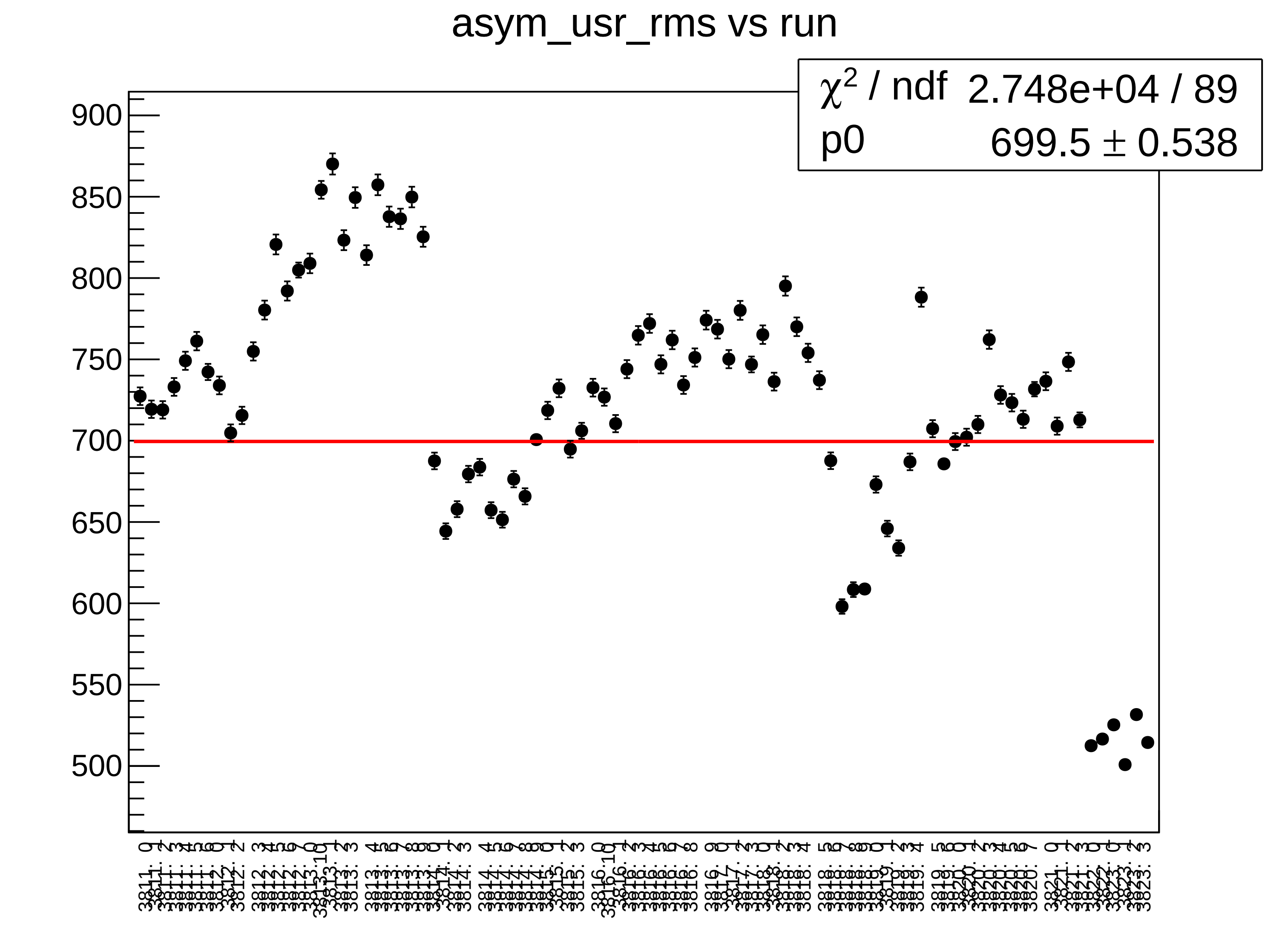


reg_asym_usr_rms vs run
χ^2 / ndf 8960 / 89
p0 147.4 ± 0.1128
180
170
160
150
140
130


asym_usr_correction_mean vs run
χ^2 / ndf 62.41 / 89
p0 245.1 ± 742.8
pull
Entries 90
Mean −158.1
Std Dev 206.6
pull1D
Entries 90
Mean −0.01788
Std Dev 0.8326

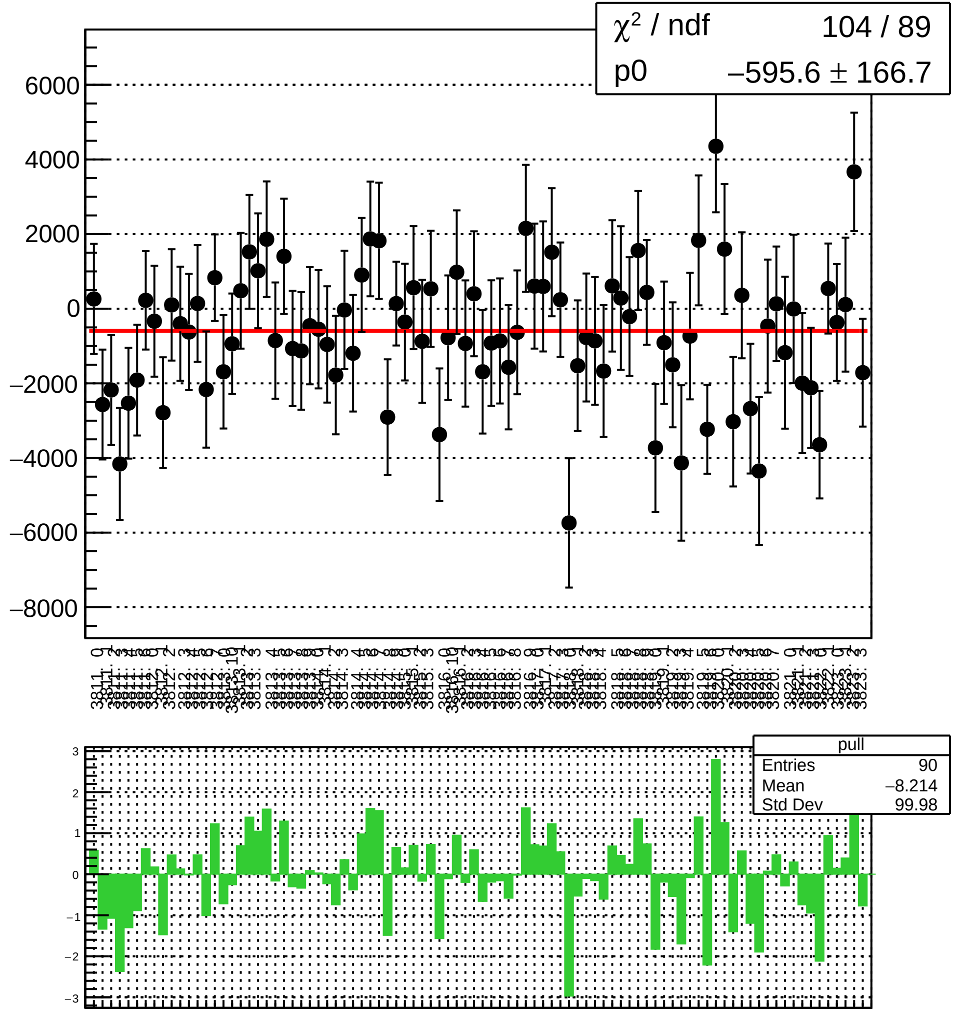

asym_usr_correction_rms vs run
χ^2 / ndf 2.994e+04 / 89
p0 682.3 ± 0.5252
900
850
800
750
700
650
600
550
500
450

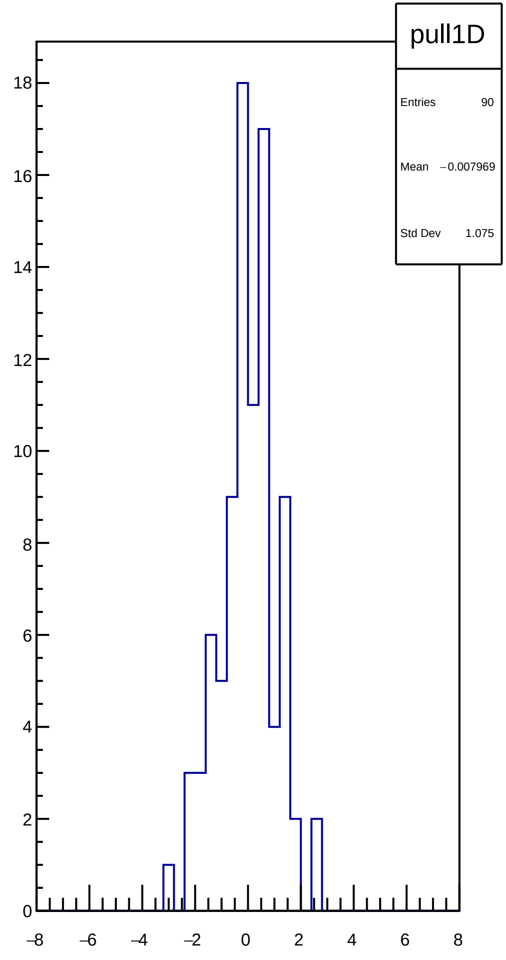

asym_usr_mean vs run
χ^2 / ndf 60.16 / 89
p0 −642.4 ± 760.9
pull
Entries 90
Mean −132
Std Dev 179.7
pull1D
Entries 90
Mean 0.01713
Std Dev 0.8174

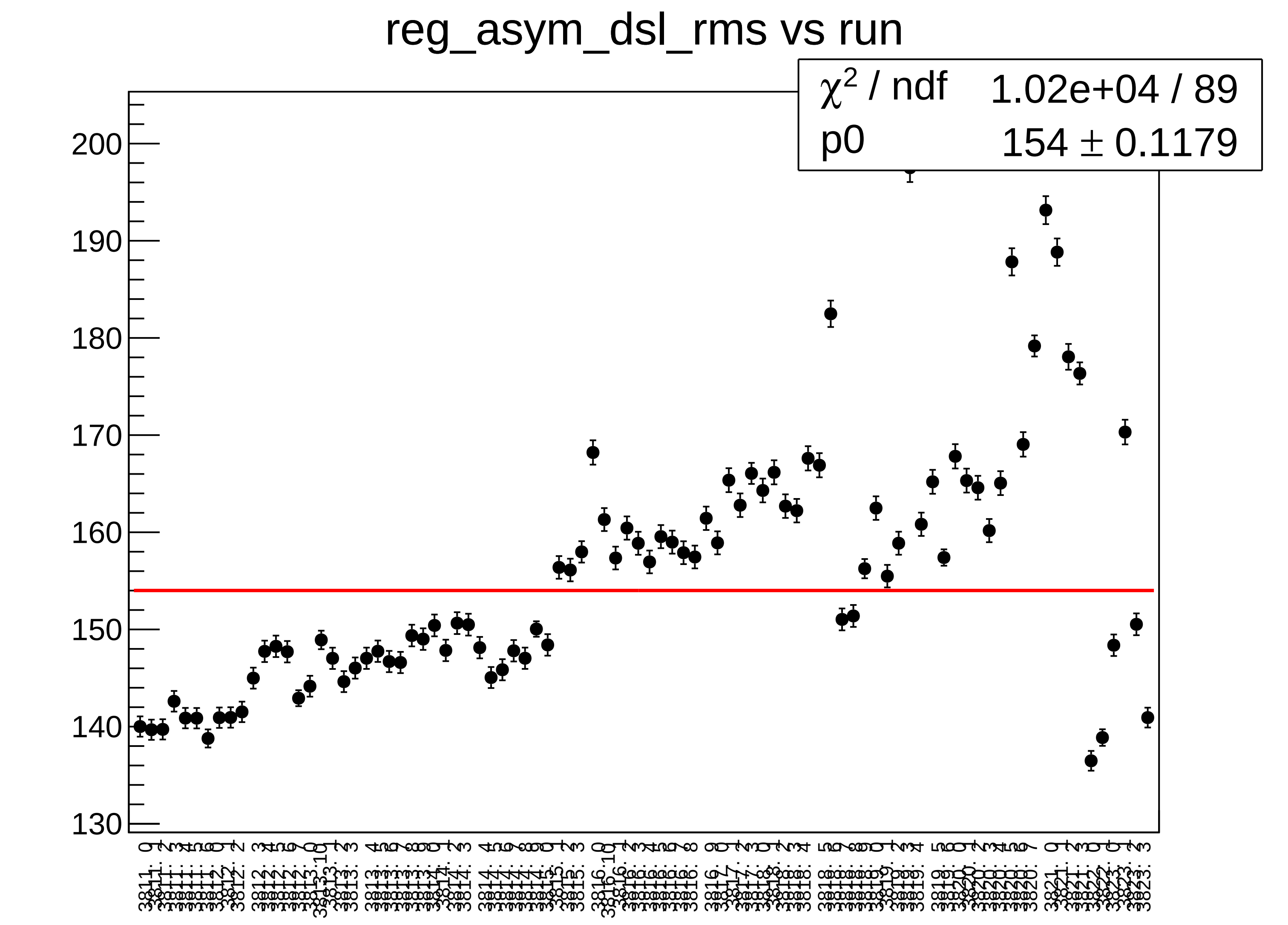


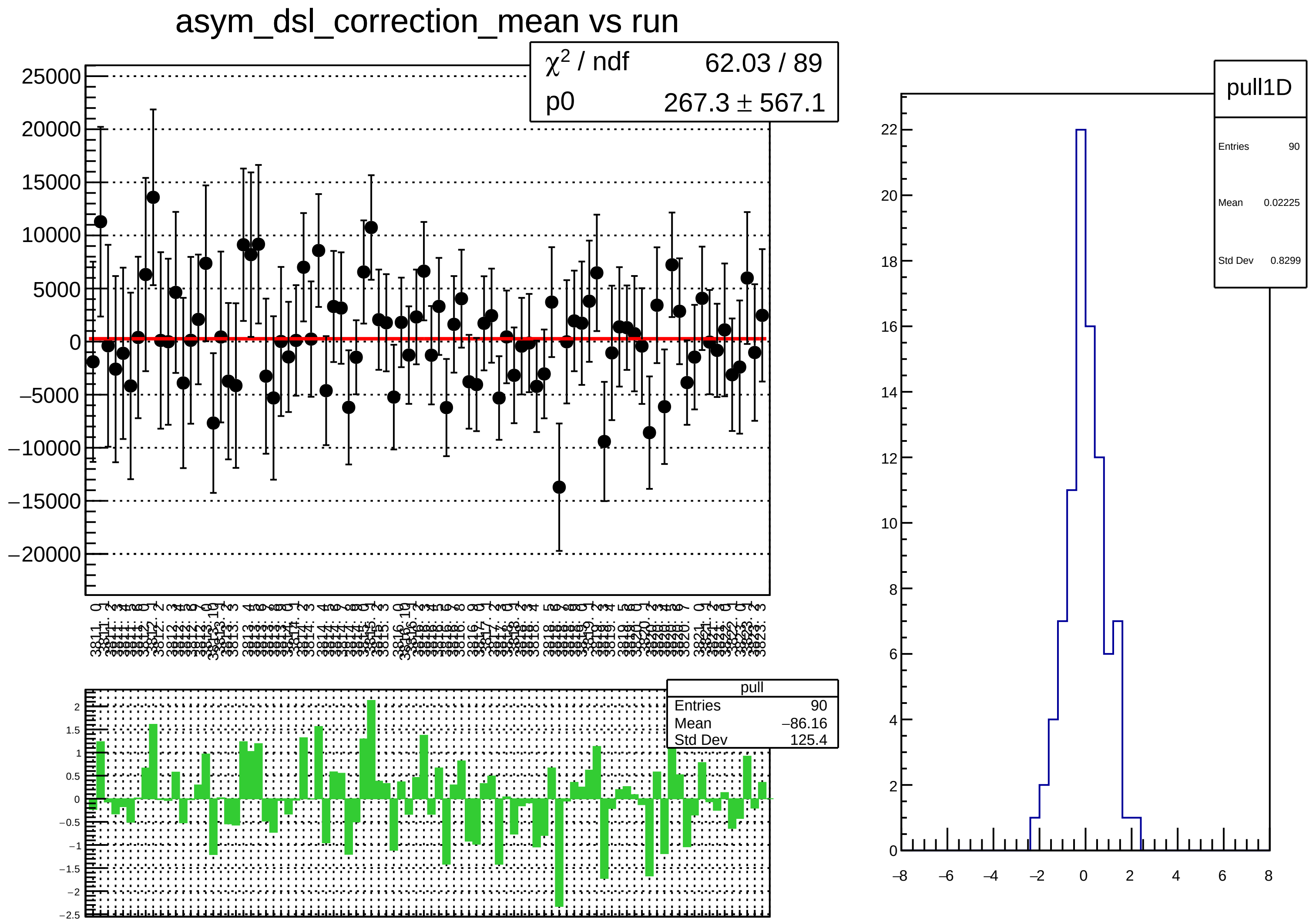
asym_usr_rms vs run
χ^2 / ndf 2.748e+04 / 89
p0 699.5 ± 0.538
900
850
800
750
700
650
600
550
500

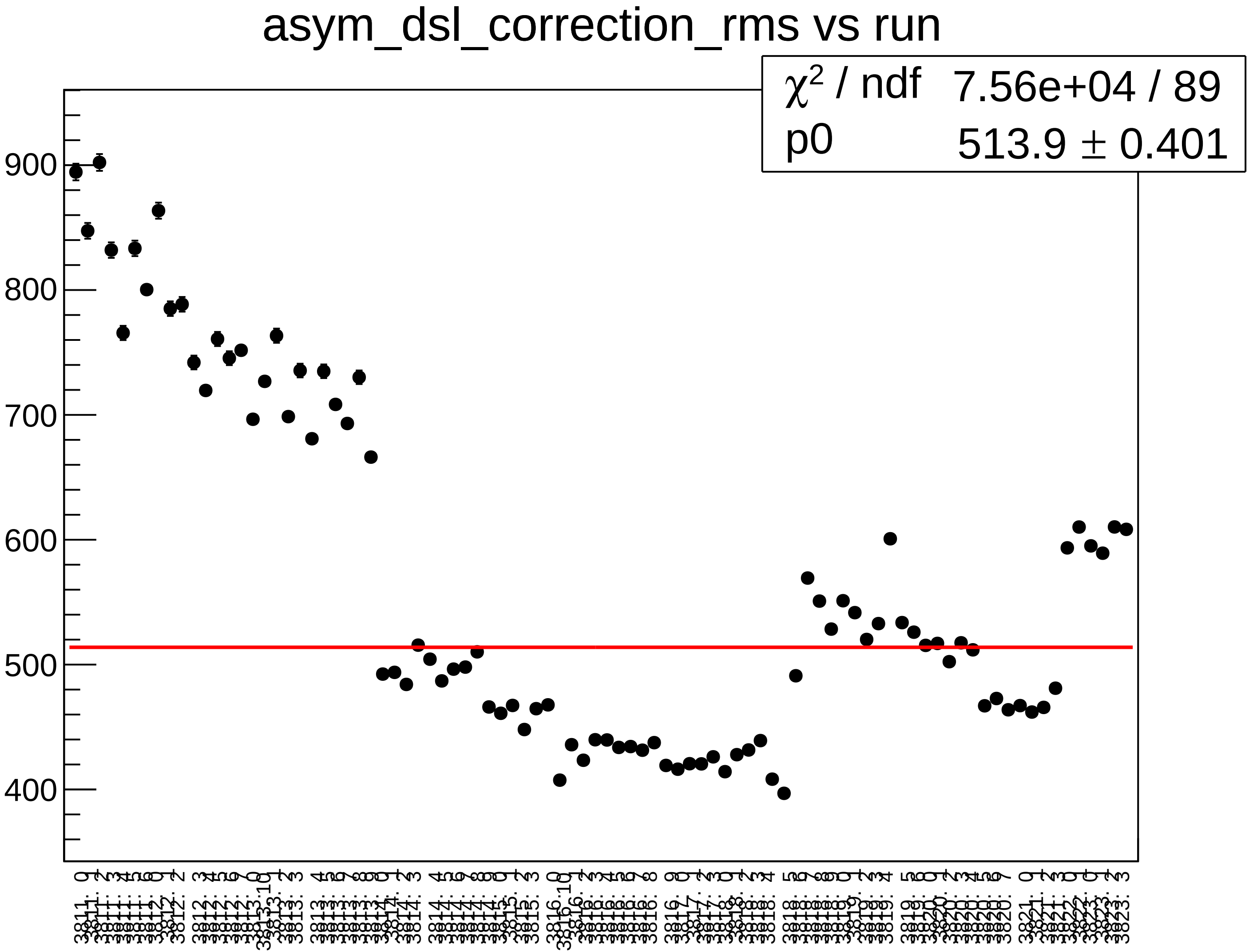
reg_asym_dsl_mean vs run

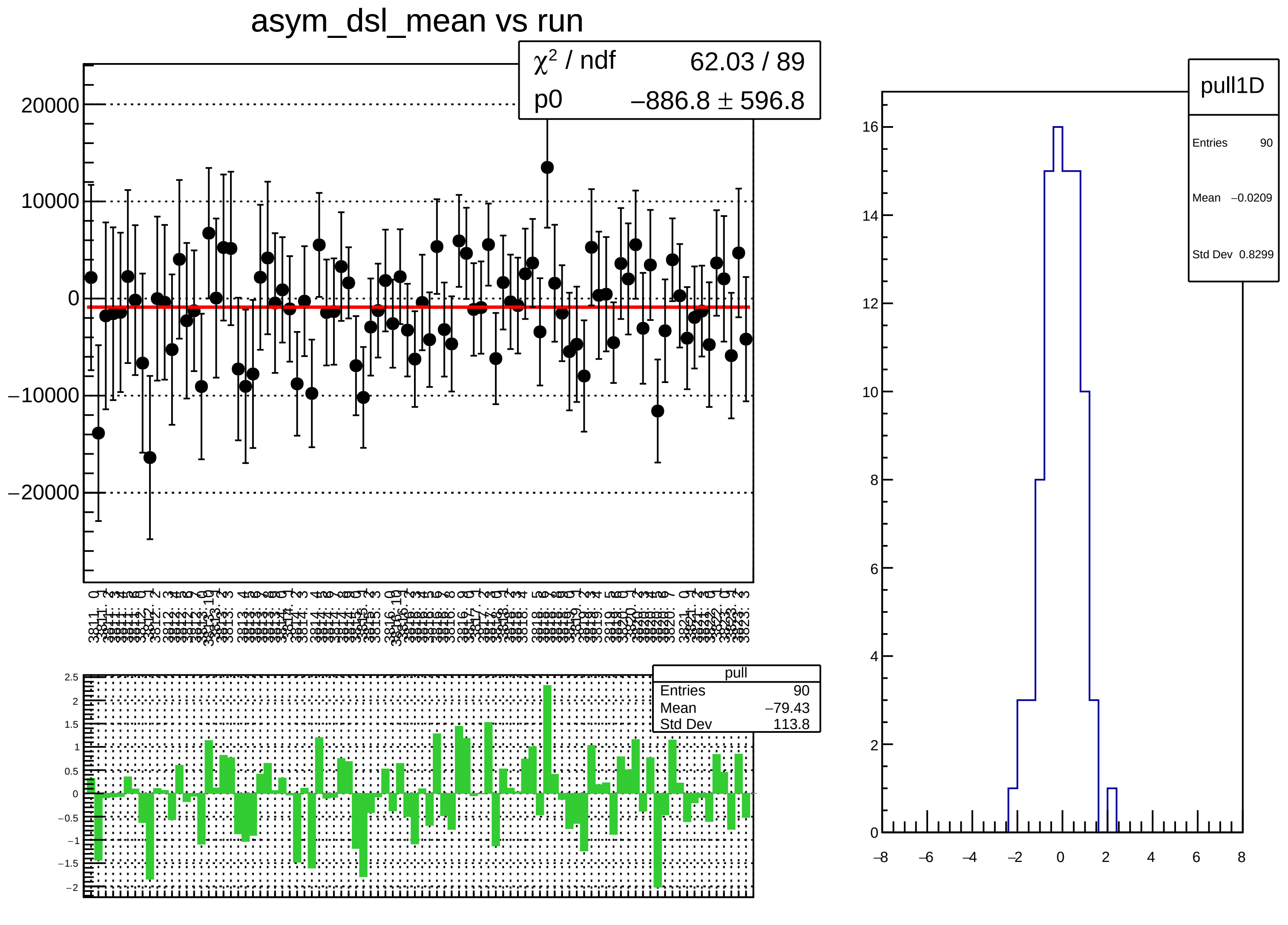


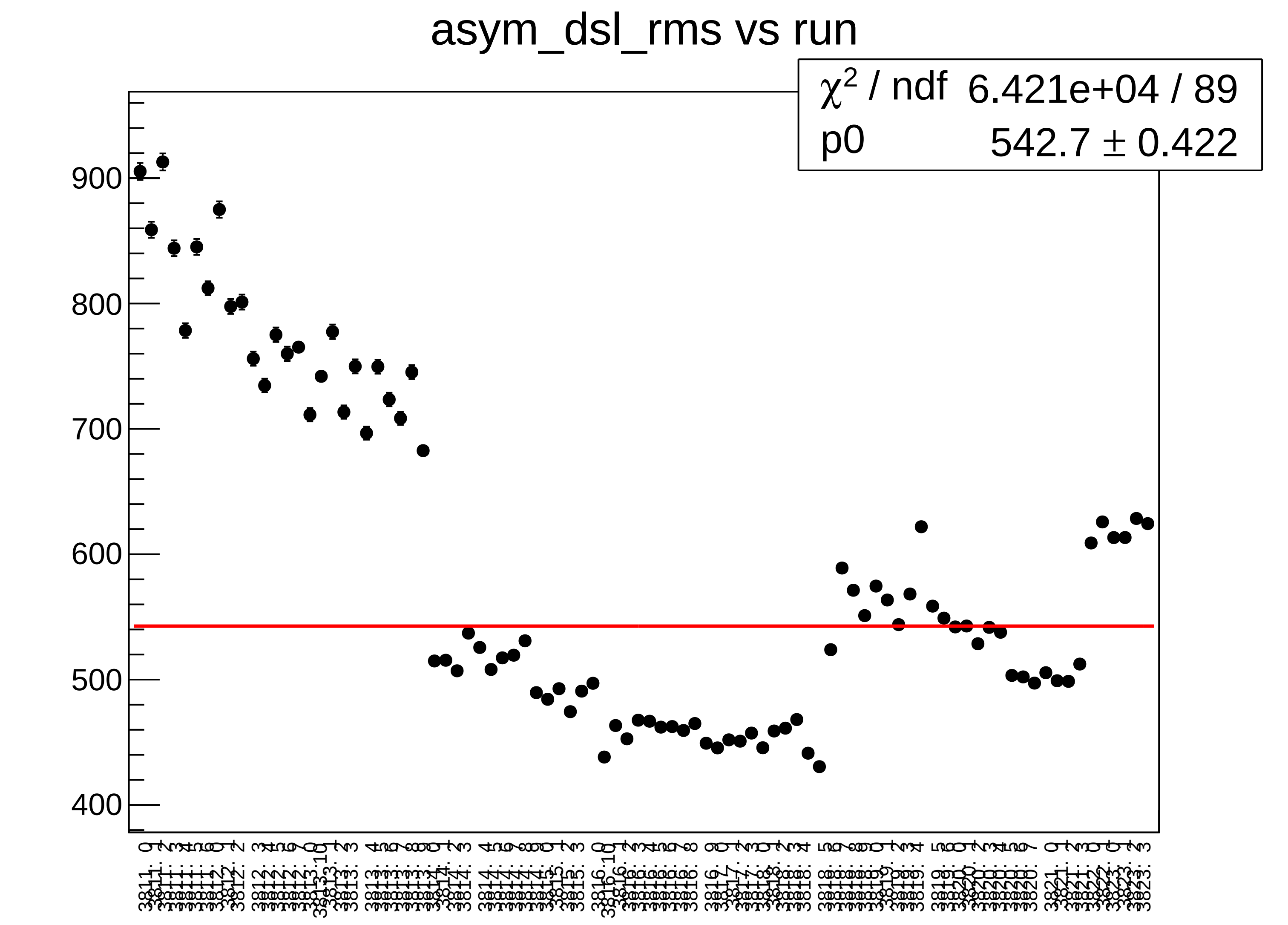


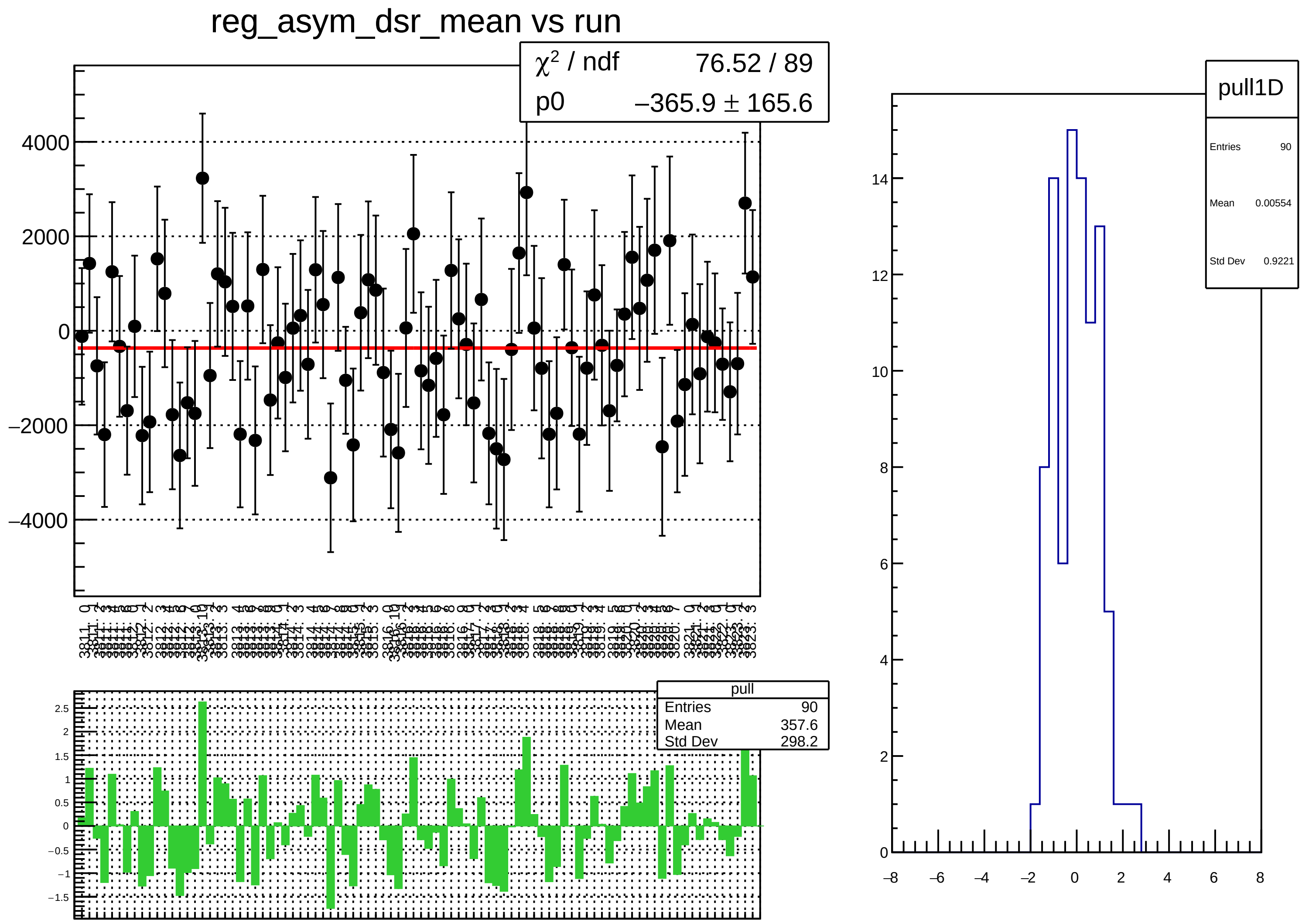

reg_asym_dsl_rms vs run
χ^2 / ndf 1.02e+04 / 89
p0 154 ± 0.1179
200
190
180
170
160
150
140
130


asym_dsl_correction_mean vs run
χ^2 / ndf 62.03 / 89
p0 267.3 ± 567.1
pull
Entries 90
Mean −86.16
Std Dev 125.4
pull1D
Entries 90
Mean 0.02225
Std Dev 0.8299

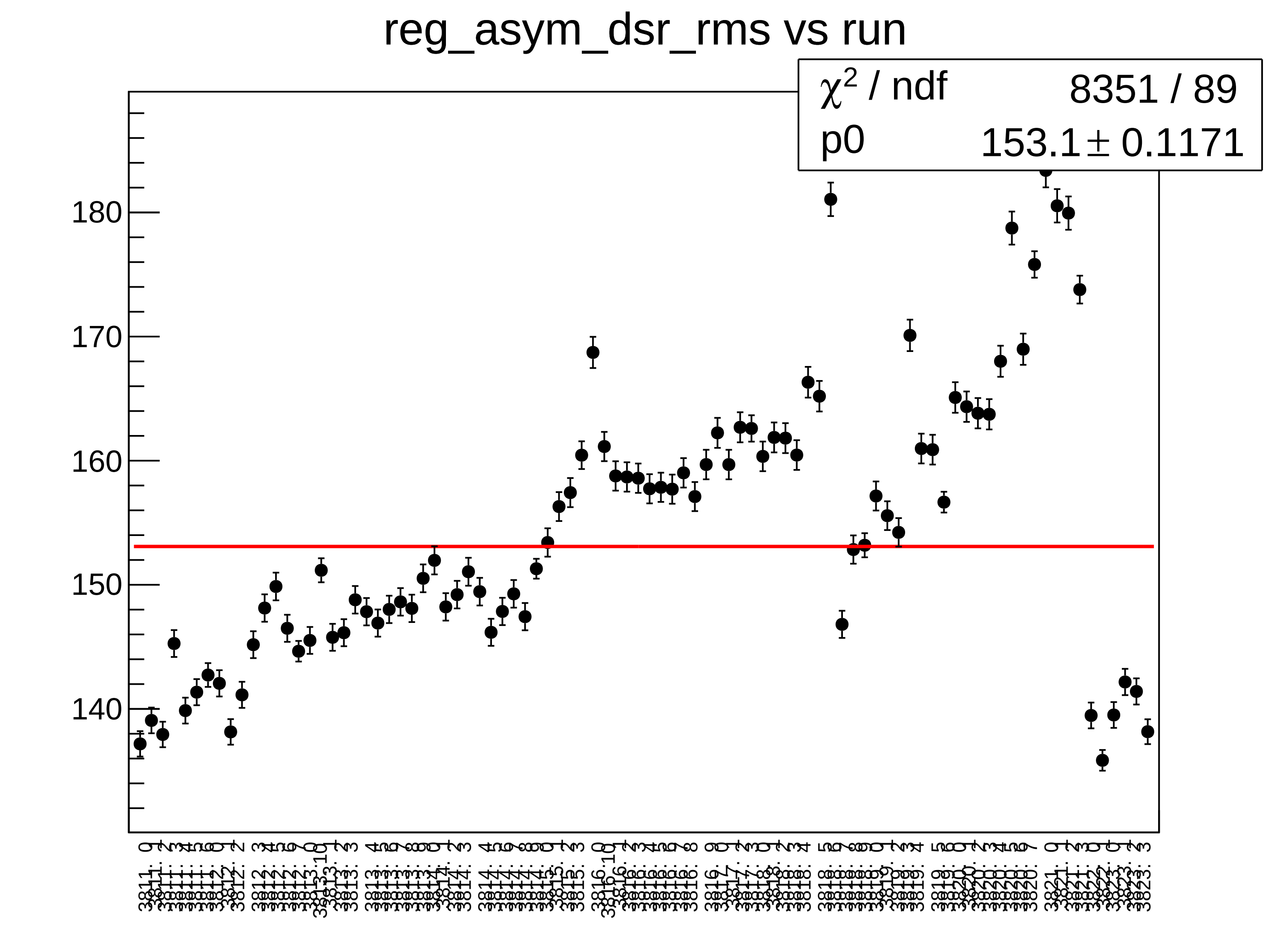

asym_dsl_correction_rms vs run
χ^2 / ndf 7.56e+04 / 89
p0 513.9 ± 0.401
900
800
700
600
500
400


asym_dsl_mean vs run
χ2 / ndf 62.03 / 89
p0 −886.8 ± 596.8
pull
Entries 90
Mean −79.43
Std Dev 113.8
pull1D
Entries 90
Mean −0.0209
Std Dev 0.8299

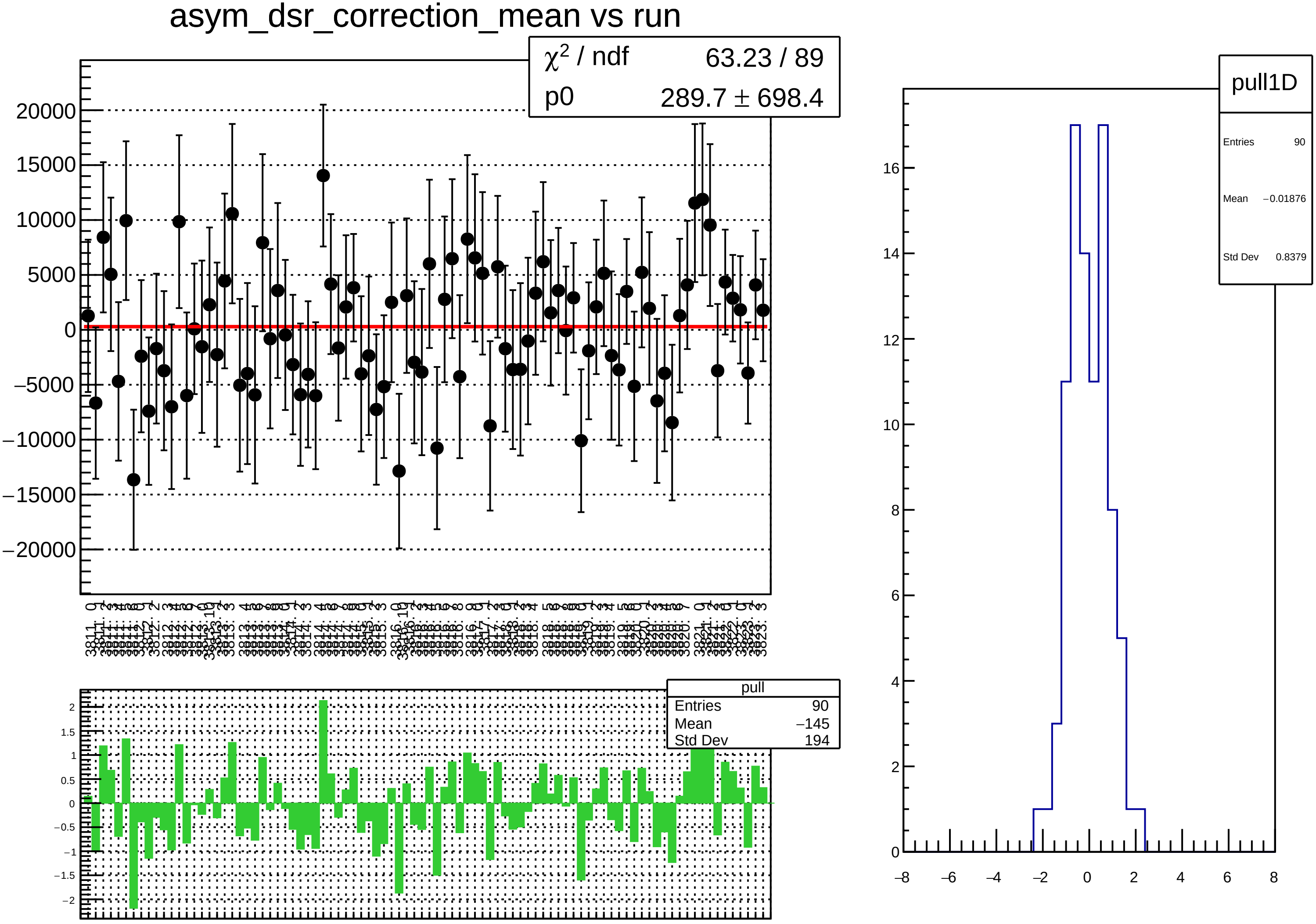

asym_dsl_rms vs run
χ2 / ndf 6.421e+04 / 89
p0 542.7 ± 0.422
900
800
700
600
500
400

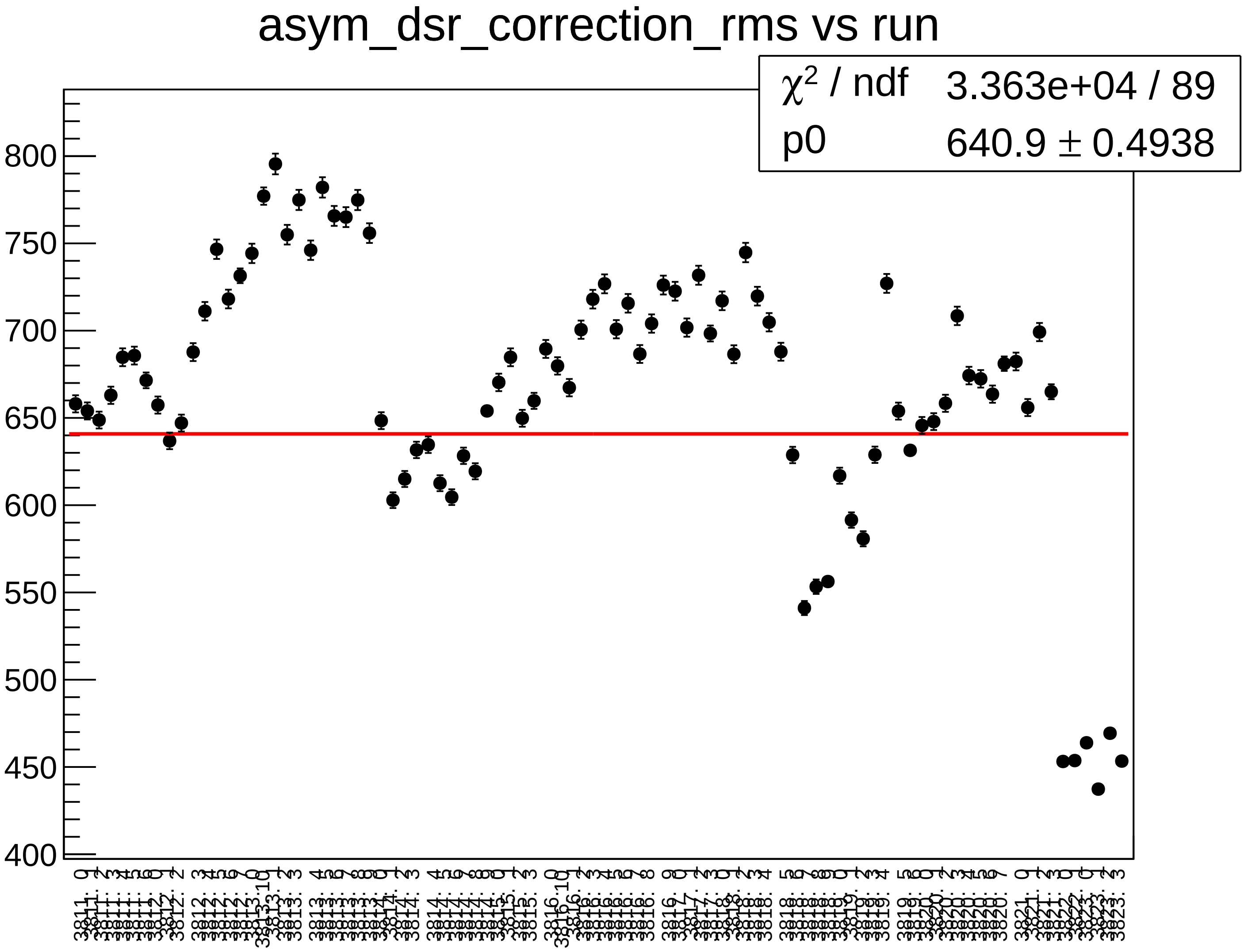


reg_asym_dsr_mean vs run
χ^2 / ndf 76.52 / 89
p0 −365.9 ± 165.6
pull
Entries 90
Mean 357.6
Std Dev 298.2
pull1D
Entries 90
Mean 0.00554
Std Dev 0.9221

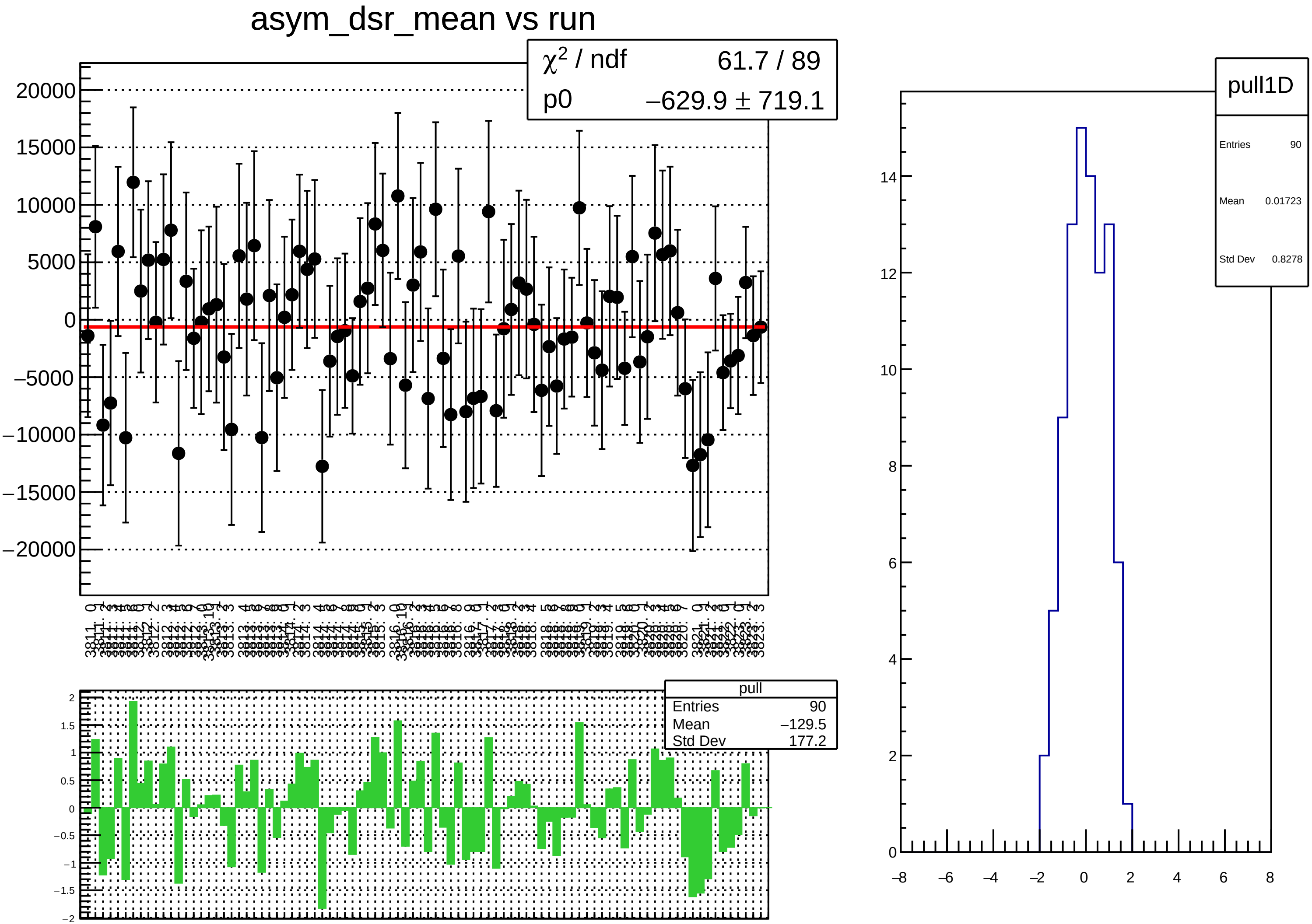


reg_asym_dsr_rms vs run
χ^2 / ndf 8351 / 89
p0 153.1 ± 0.1171
180
170
160
150
140

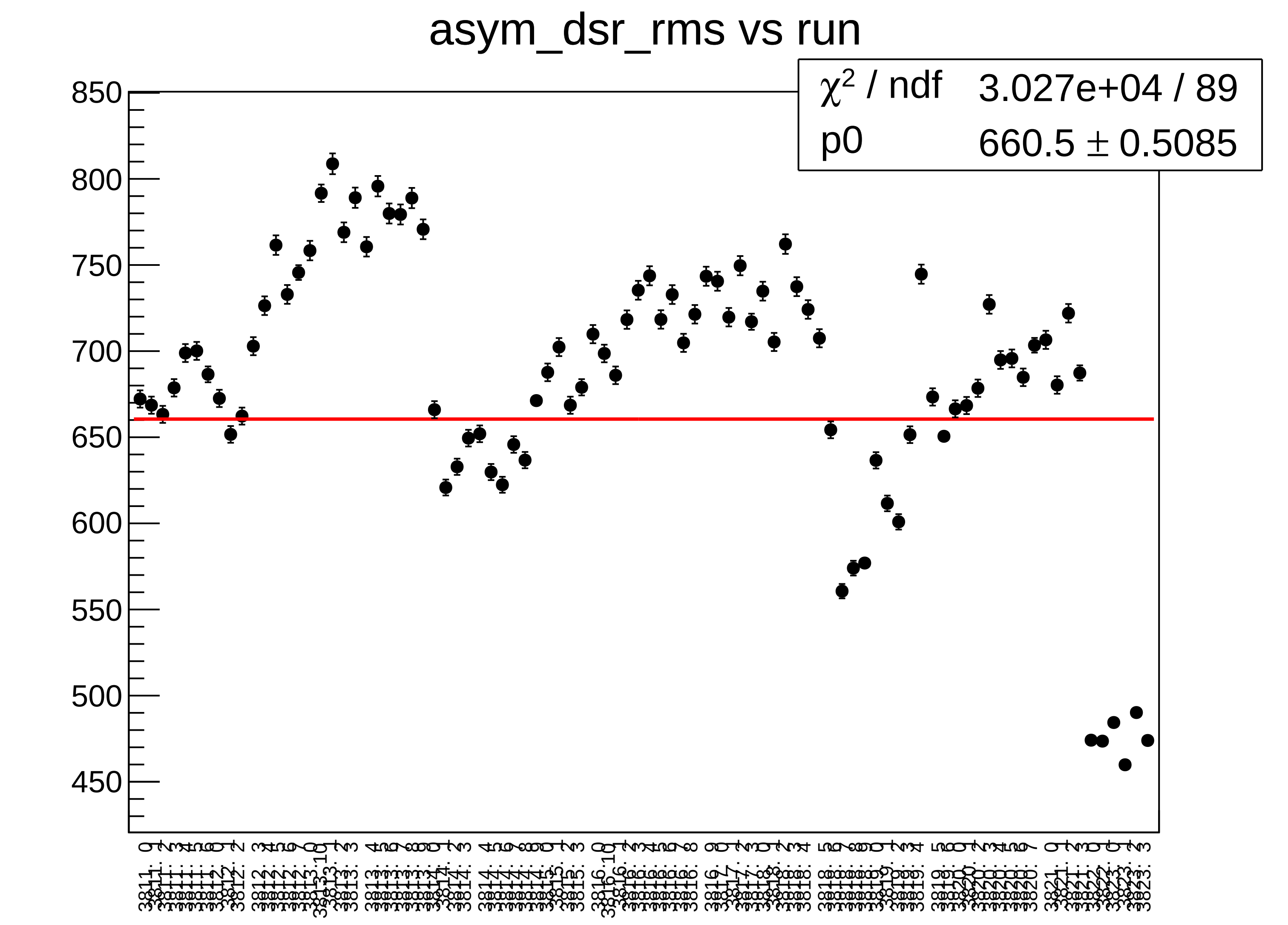

asym_dsr_correction_mean vs run
χ^2 / ndf 63.23 / 89
p0 289.7 ± 698.4
pull
Entries 90
Mean −145
Std Dev 194
pull1D
Entries 90
Mean −0.01876
Std Dev 0.8379



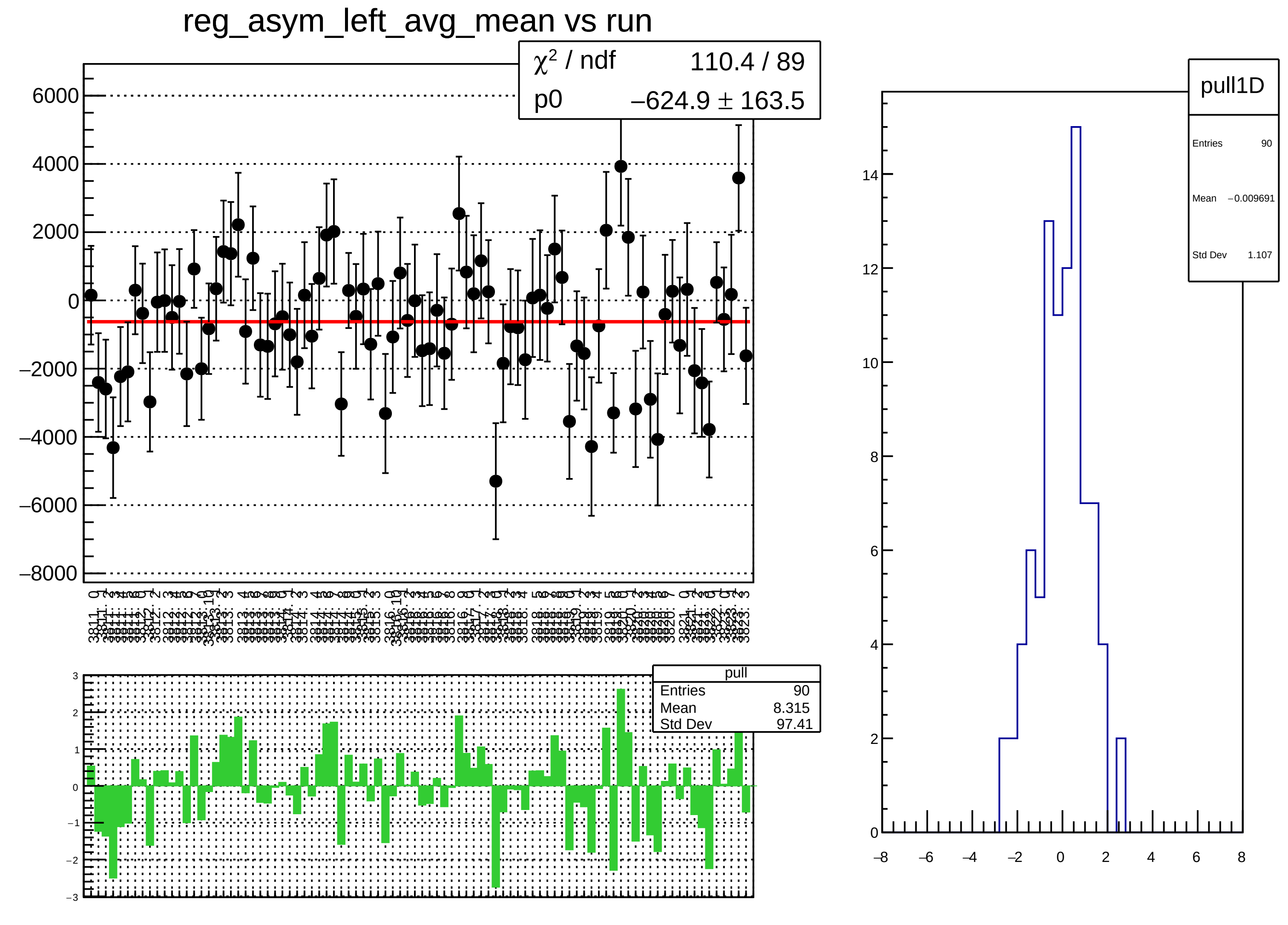
asym_dsr_correction_rms vs run
χ^2 / ndf 3.363e+04 / 89
p0 640.9 ± 0.4938
800
750
700
650
600
550
500
450
400

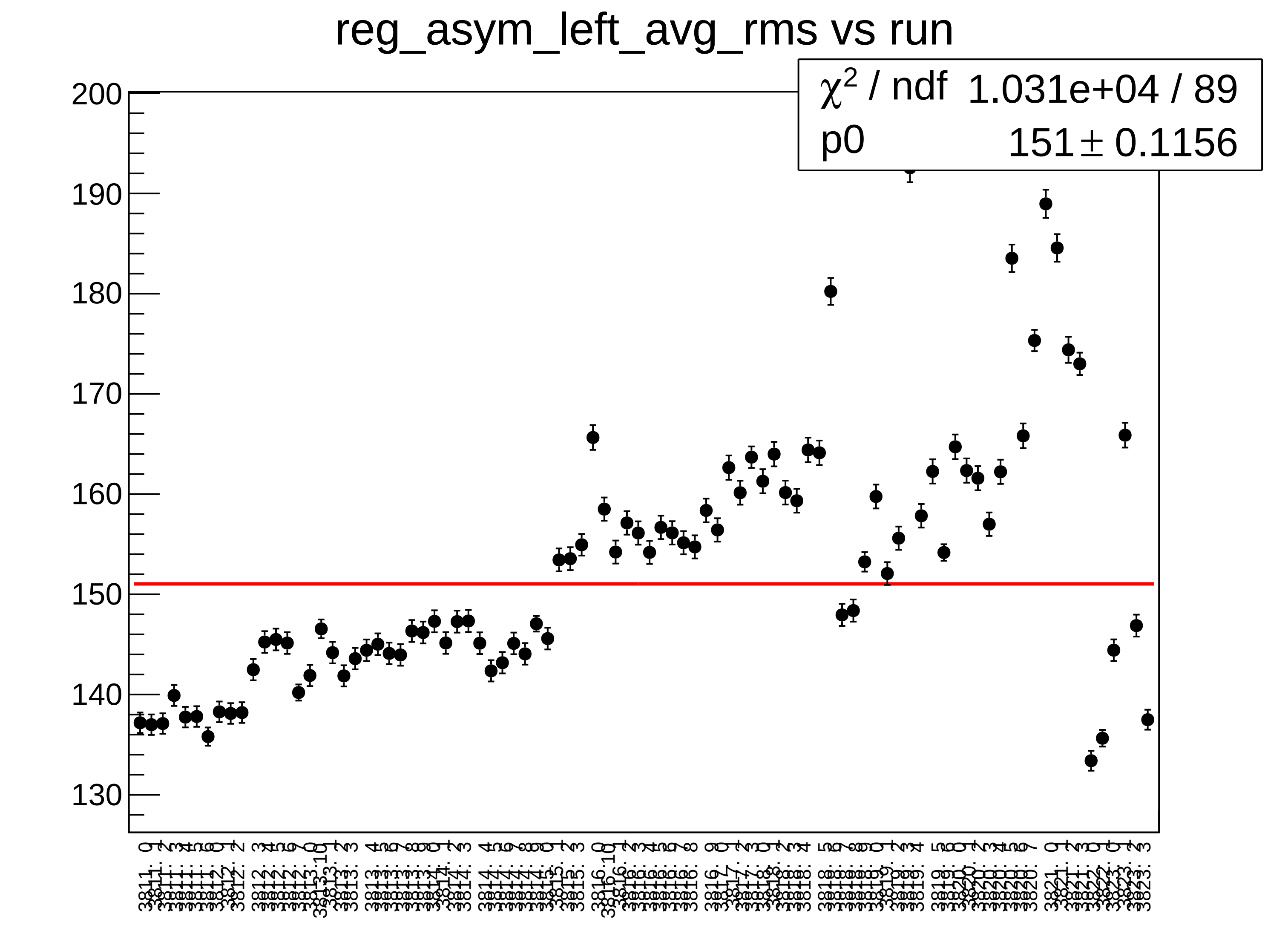


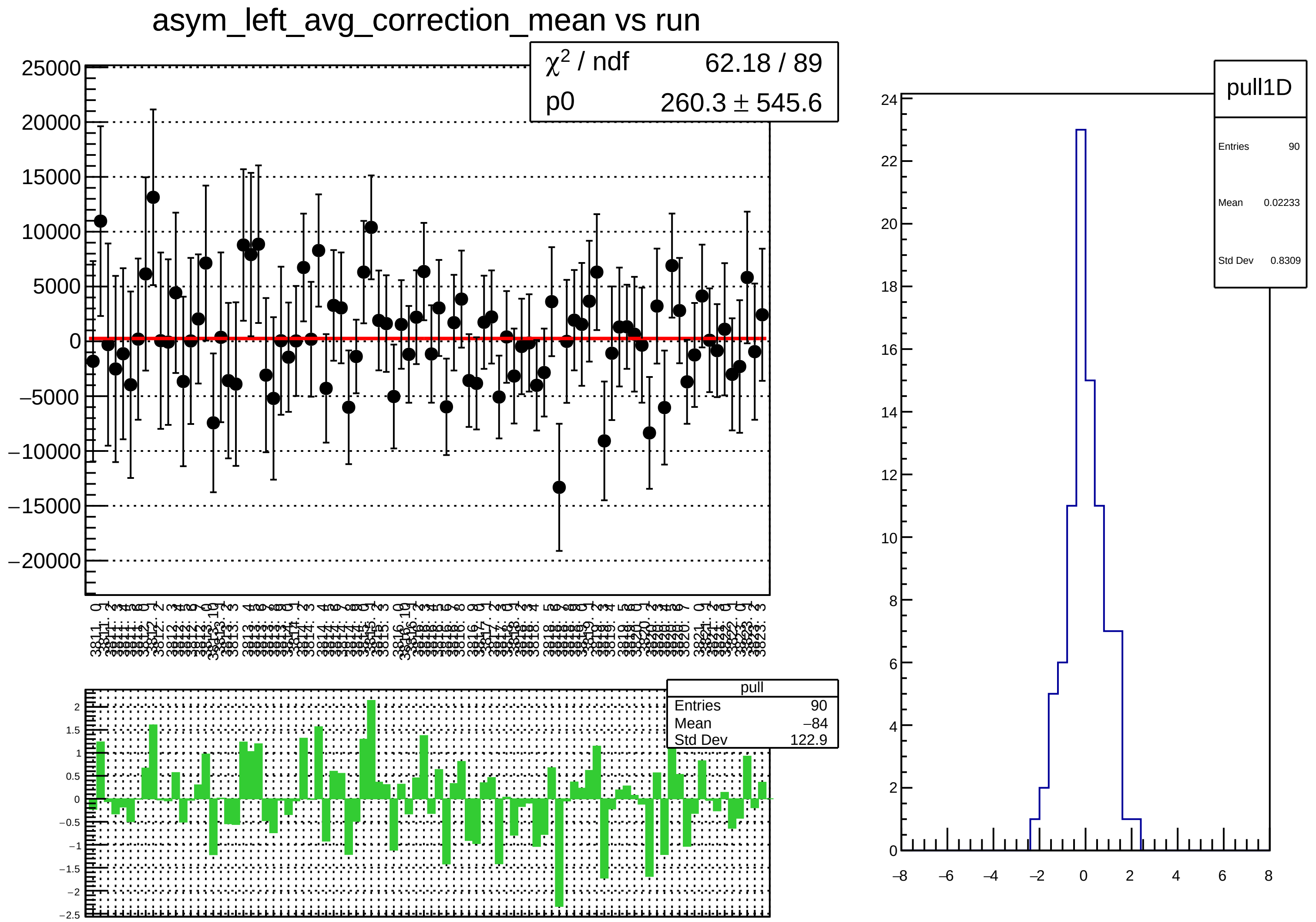
asym_dsr_mean vs run
χ^2 / ndf 61.7 / 89
p0 −629.9 ± 719.1
pull
Entries 90
Mean −129.5
Std Dev 177.2
pull1D
Entries 90
Mean 0.01723
Std Dev 0.8278

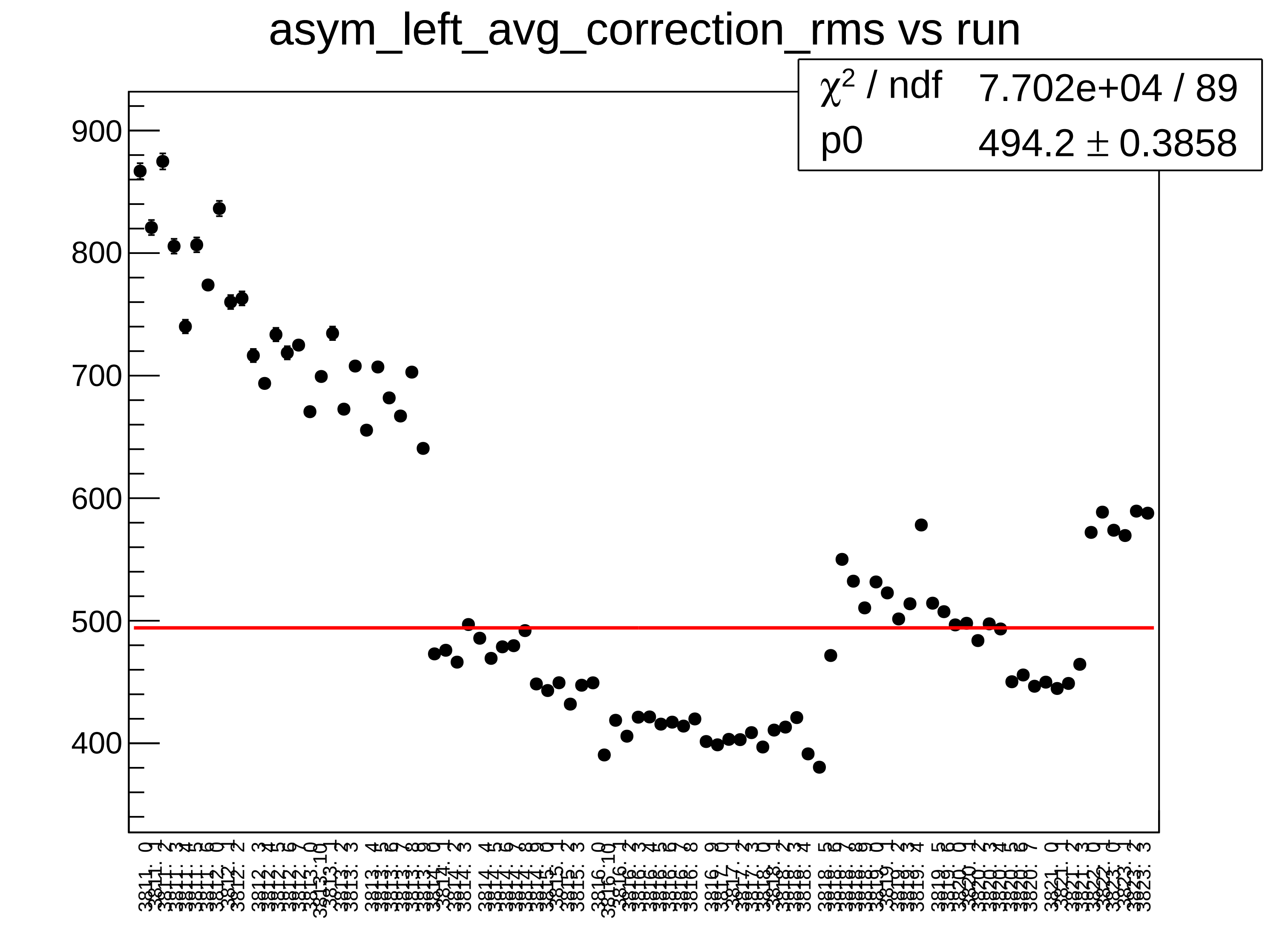


asym_dsr_rms vs run
χ^2 / ndf 3.027e+04 / 89
p0 660.5 ± 0.5085
850
800
750
700
650
600
550
500
450

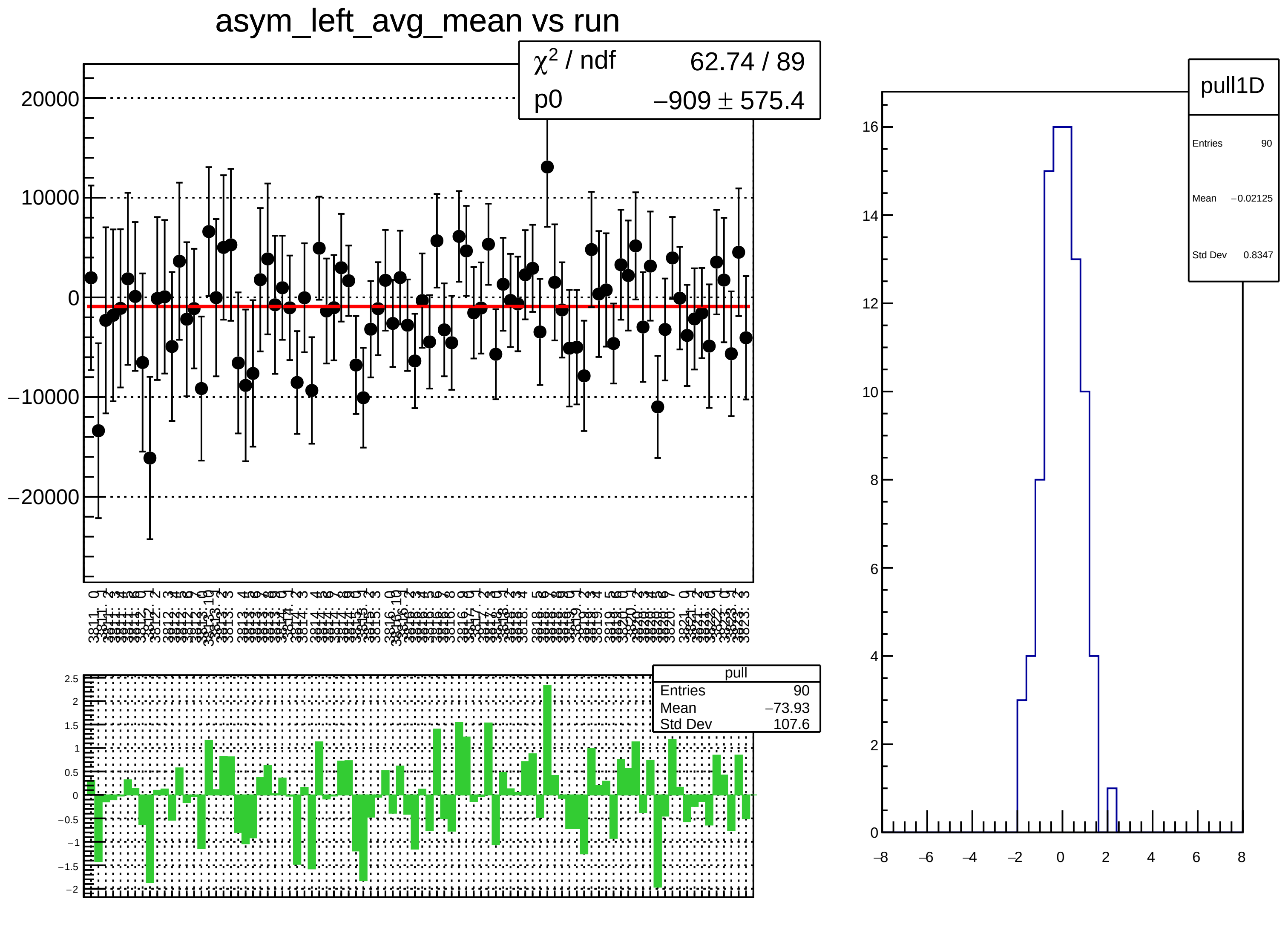

reg_asym_left_avg_mean vs run
χ^2 / ndf 110.4 / 89
p0 −624.9 ± 163.5
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 90
Mean 8.315
Std Dev 97.41
pull1D
Entries 90
Mean −0.009691
Std Dev 1.107

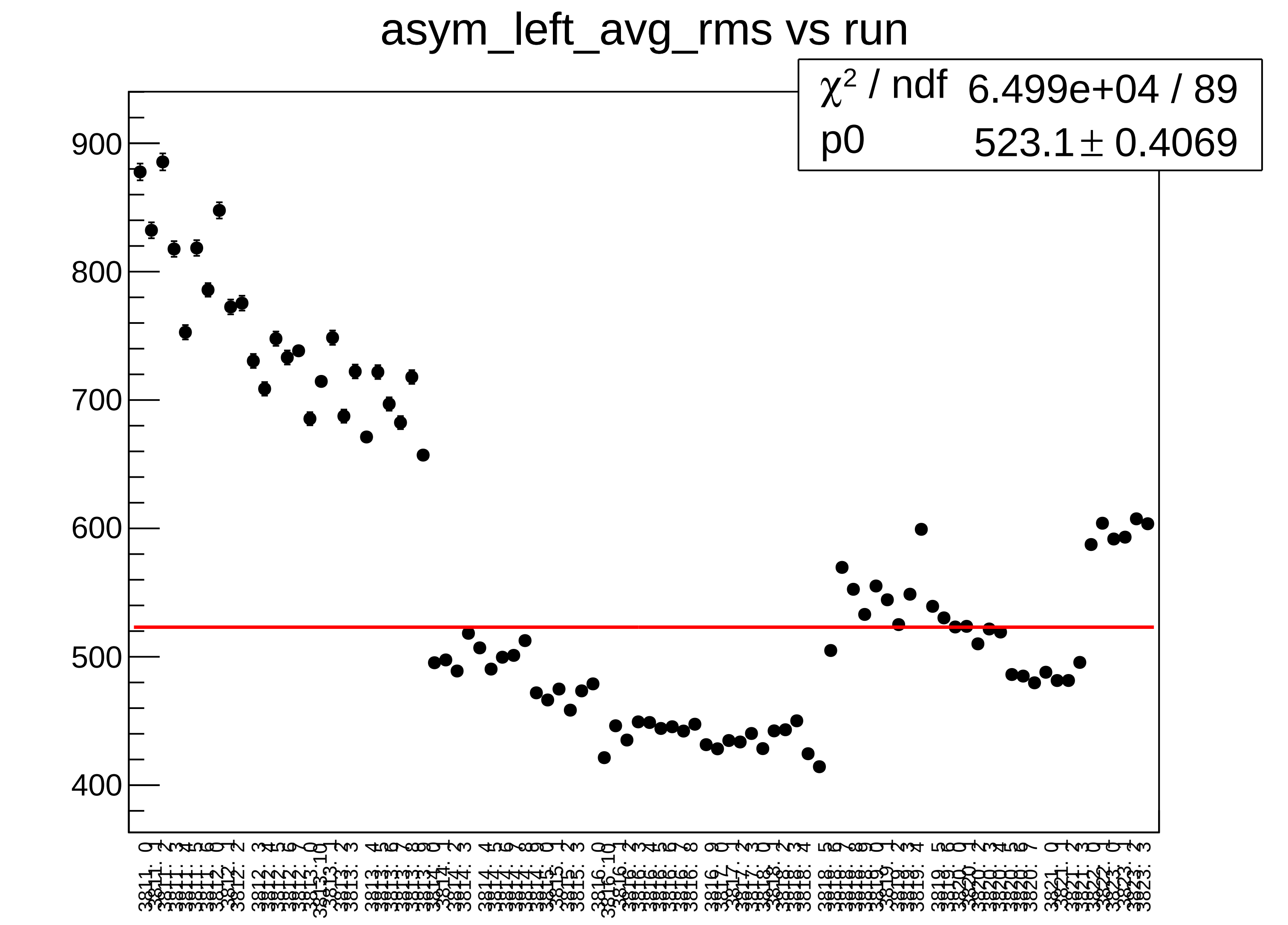

reg_asym_left_avg_rms vs run
χ^2 / ndf 1.031e+04 / 89
p0 151 ± 0.1156
200
190
180
170
160
150
140
130

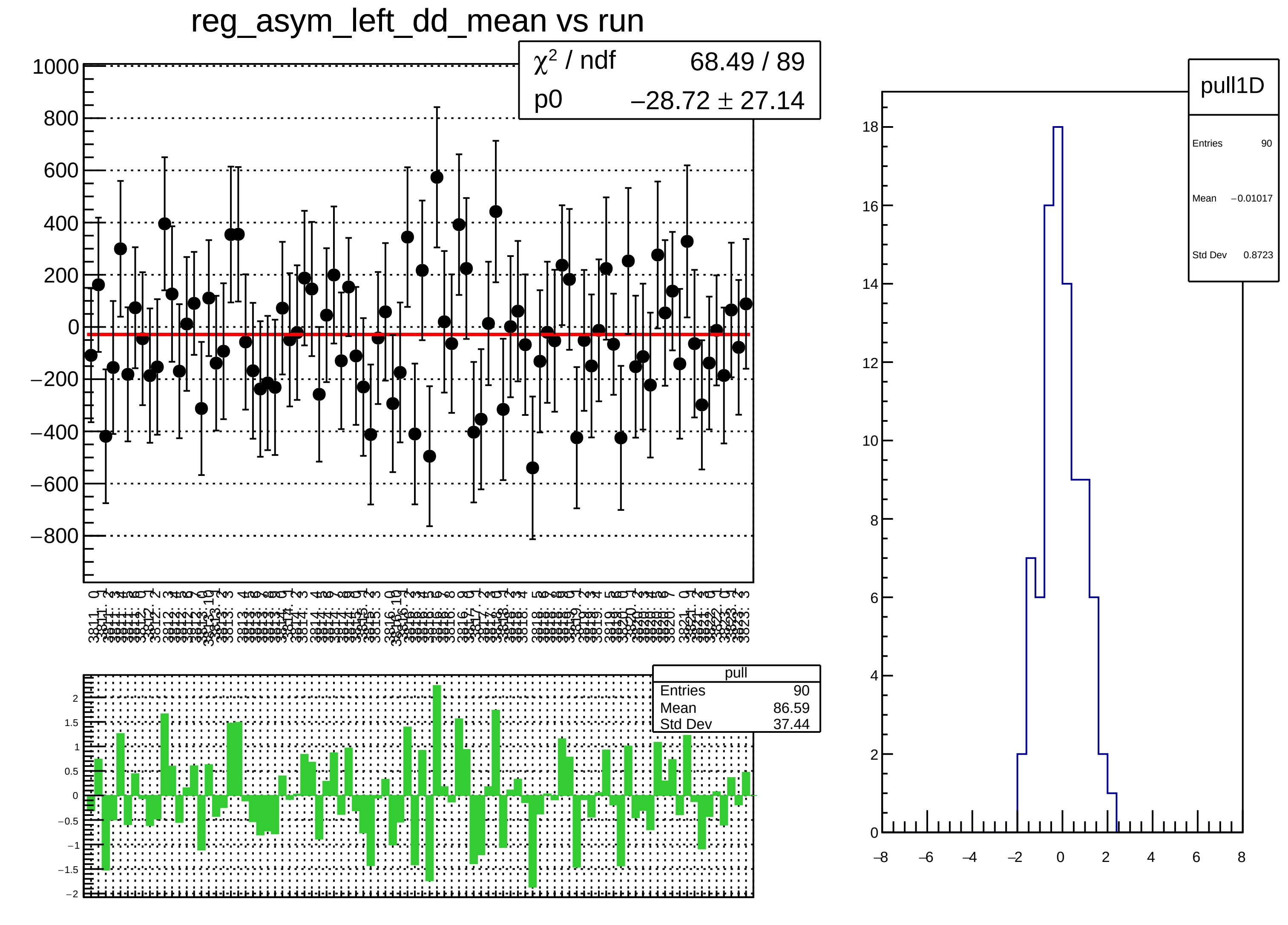

asym_left_avg_correction_mean vs run
χ^2 / ndf 62.18 / 89
p0 260.3 ± 545.6
pull
Entries 90
Mean −84
Std Dev 122.9
pull1D
Entries 90
Mean 0.02233
Std Dev 0.8309

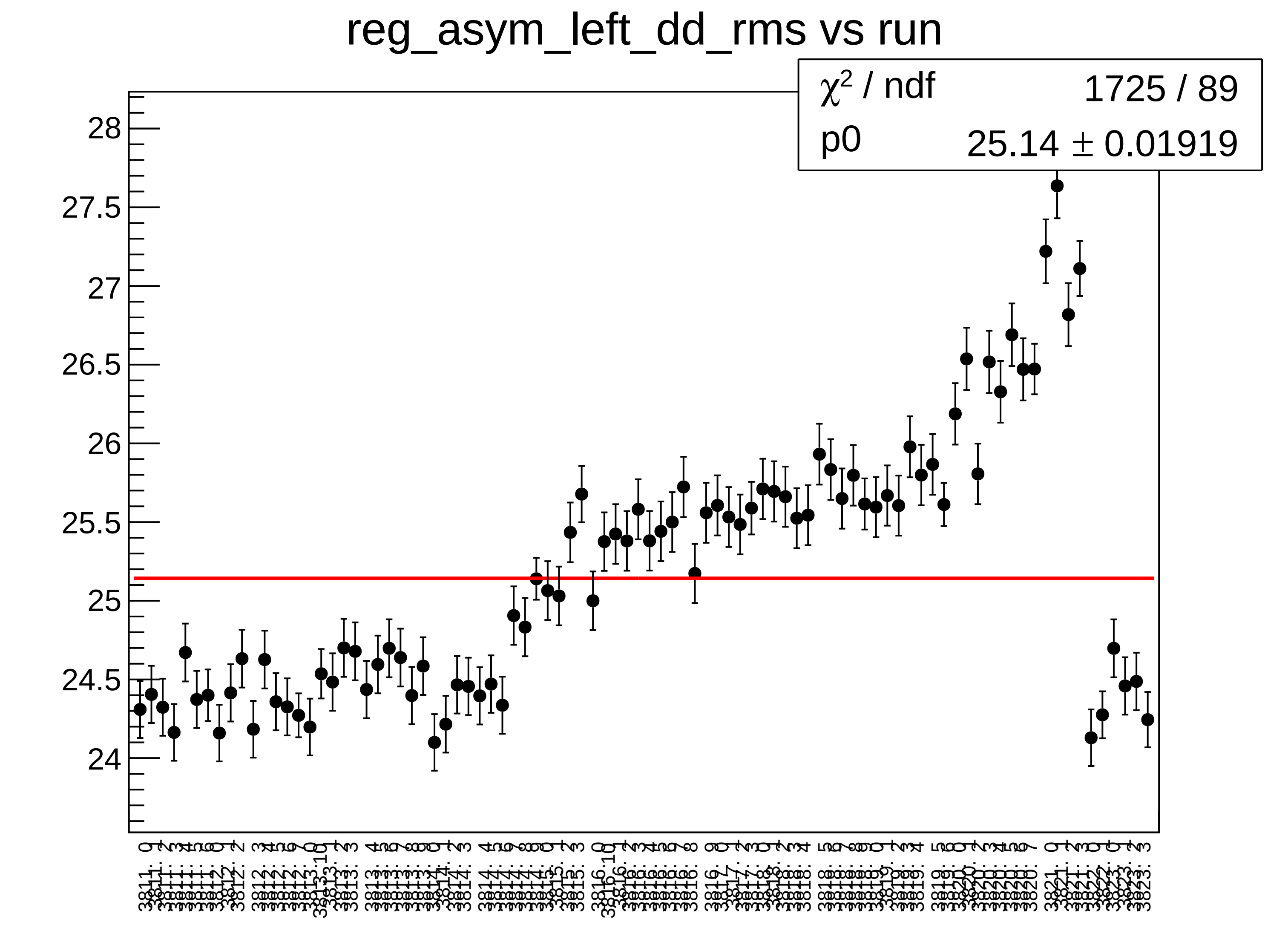


asym_left_avg_correction_rms vs run
χ^2 / ndf 7.702e+04 / 89
p0 494.2 ± 0.3858
900
800
700
600
500
400


asym_left_avg_mean vs run
χ^2 / ndf 62.74 / 89
p0 −909 ± 575.4
pull
Entries 90
Mean −73.93
Std Dev 107.6
pull1D
Entries 90
Mean −0.02125
Std Dev 0.8347

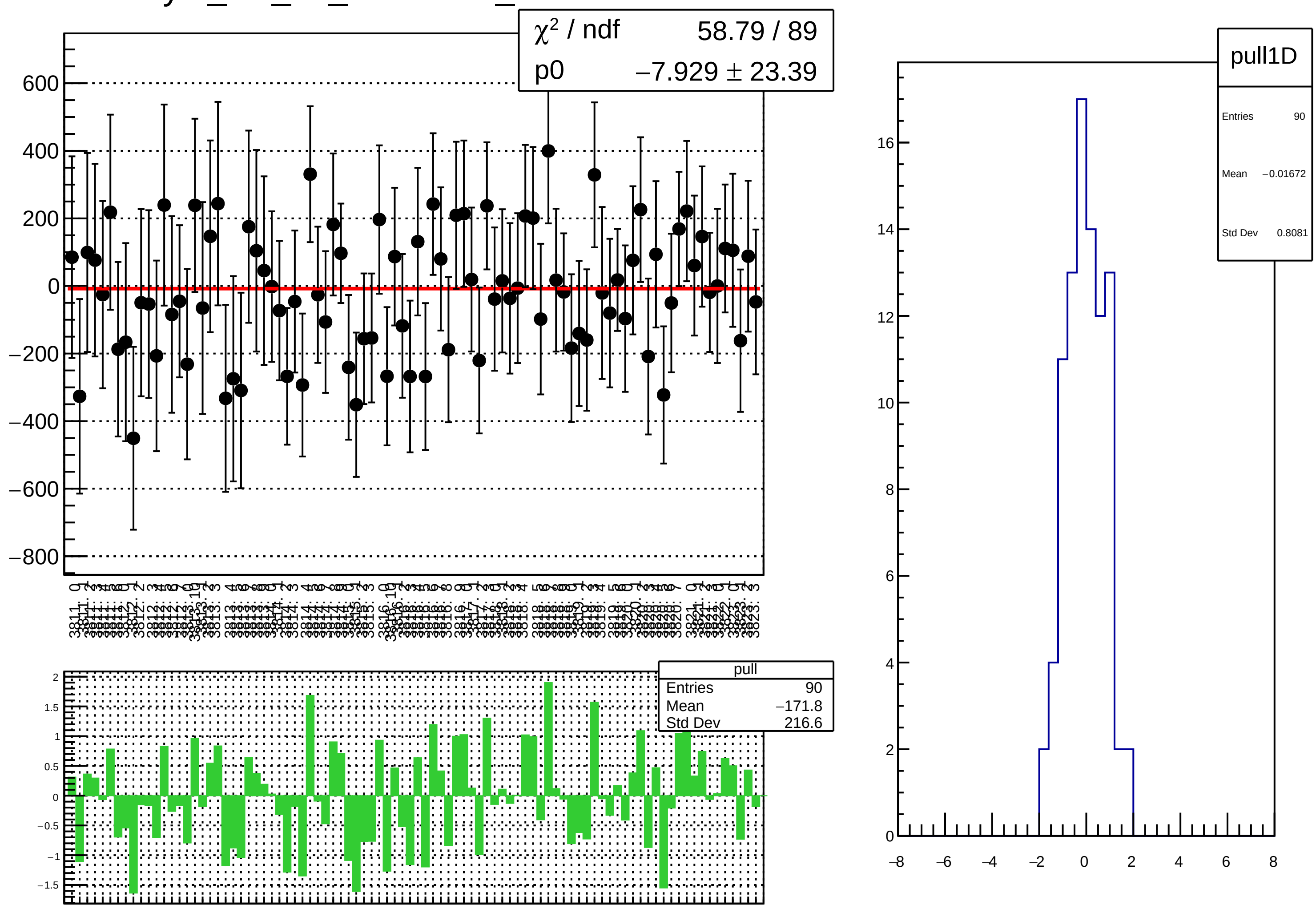

asym_left_avg_rms vs run
χ2 / ndf 6.499e+04 / 89
p0 523.1 ± 0.4069
900
800
700
600
500
400

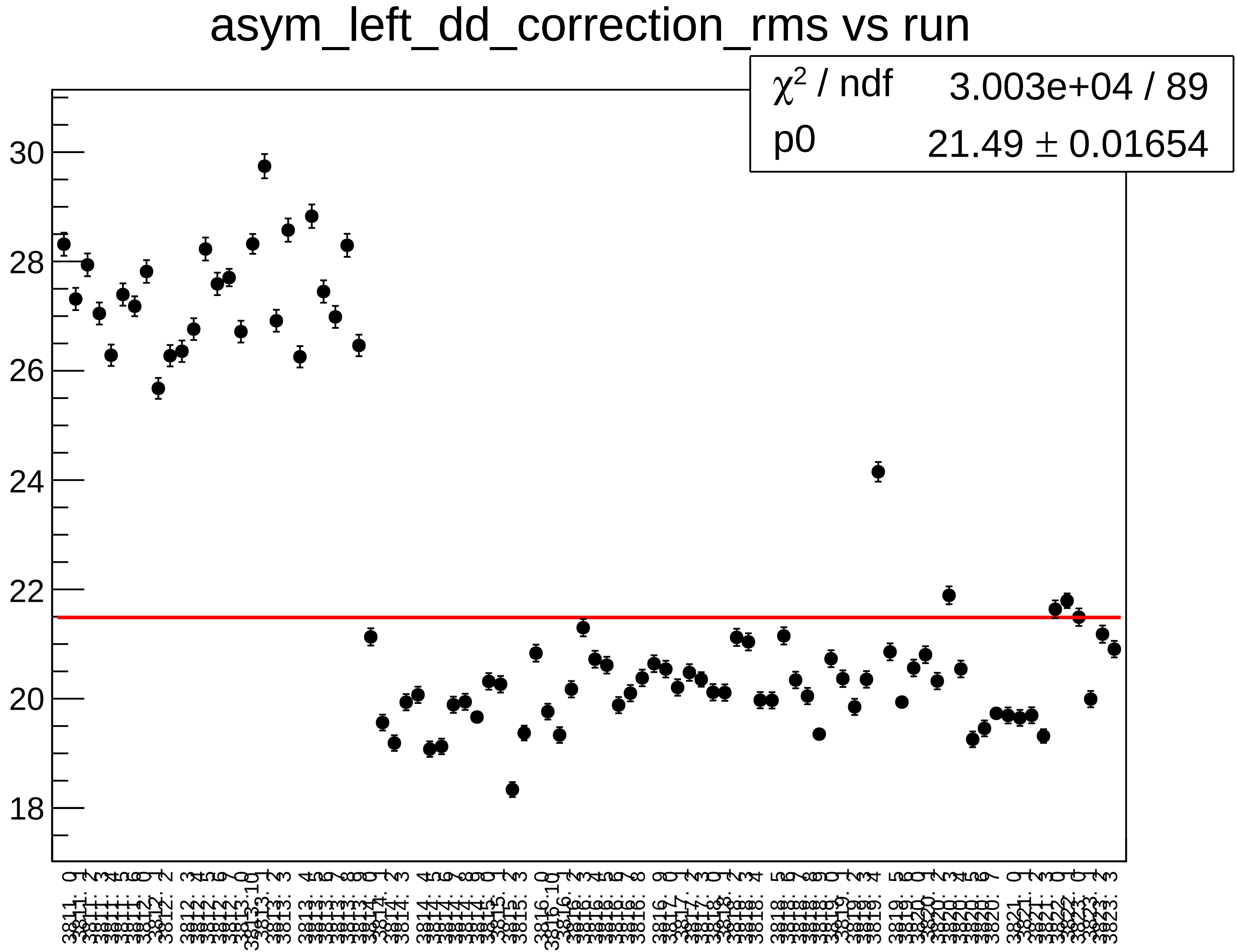

reg_asym_left_dd_mean vs run
χ2 / ndf 68.49 / 89
p0 −28.72 ± 27.14
pull
Entries 90
Mean 86.59
Std Dev 37.44
pull1D
Entries 90
Mean −0.01017
Std Dev 0.8723

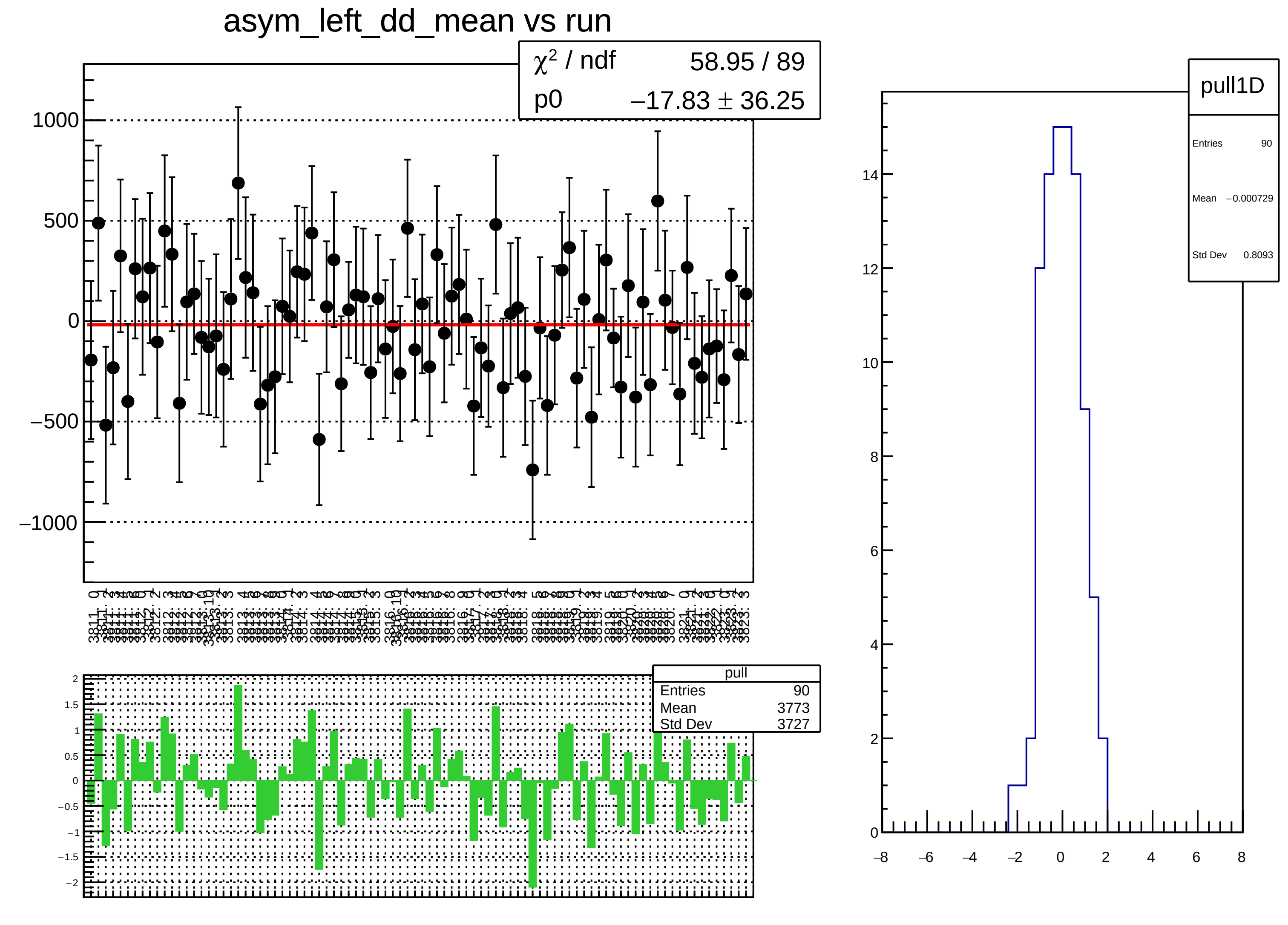


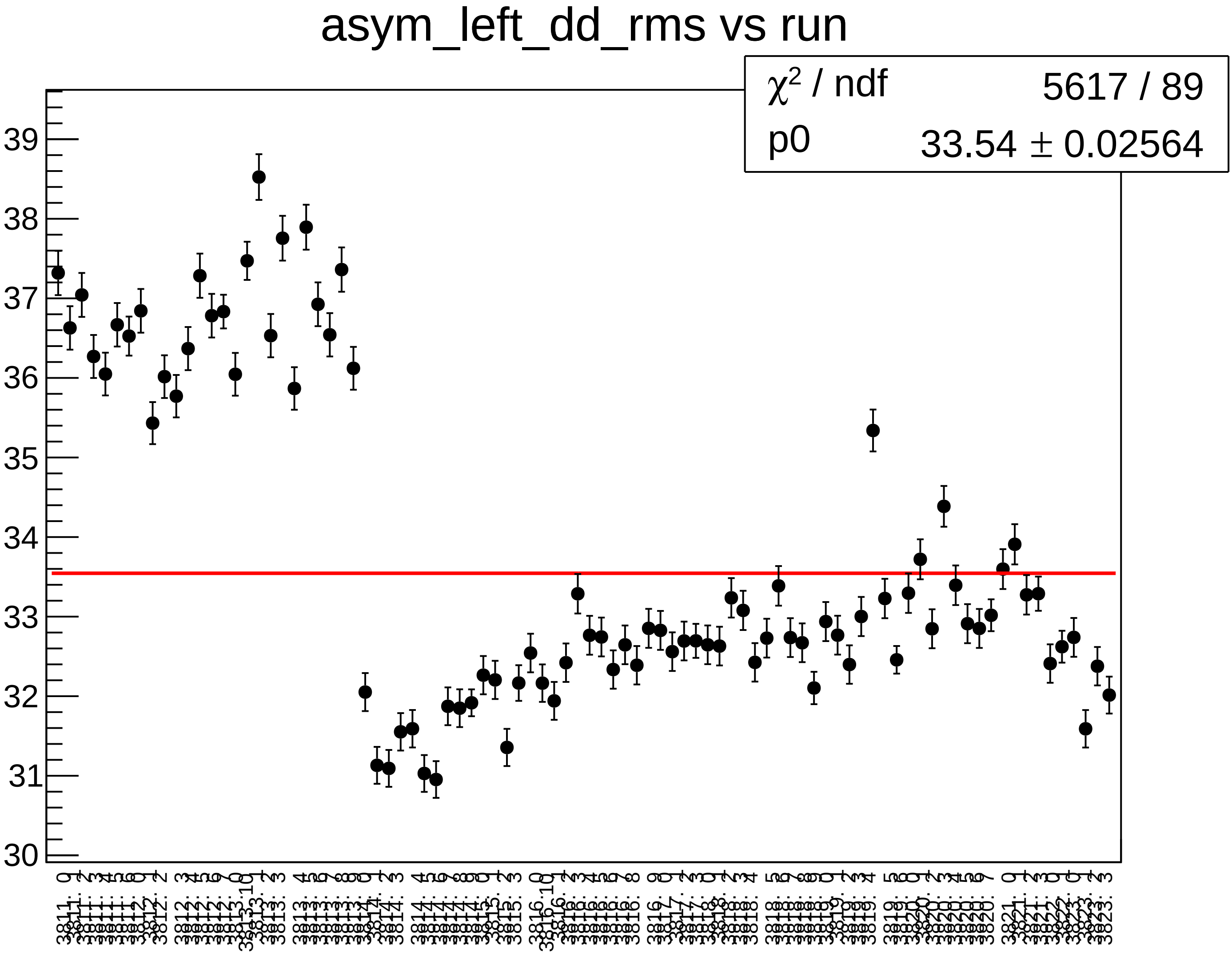
reg_asym_left_dd_rms vs run
χ^2 / ndf 1725 / 89
p0 25.14 ± 0.01919

asym_left_dd_correction_mean vs run

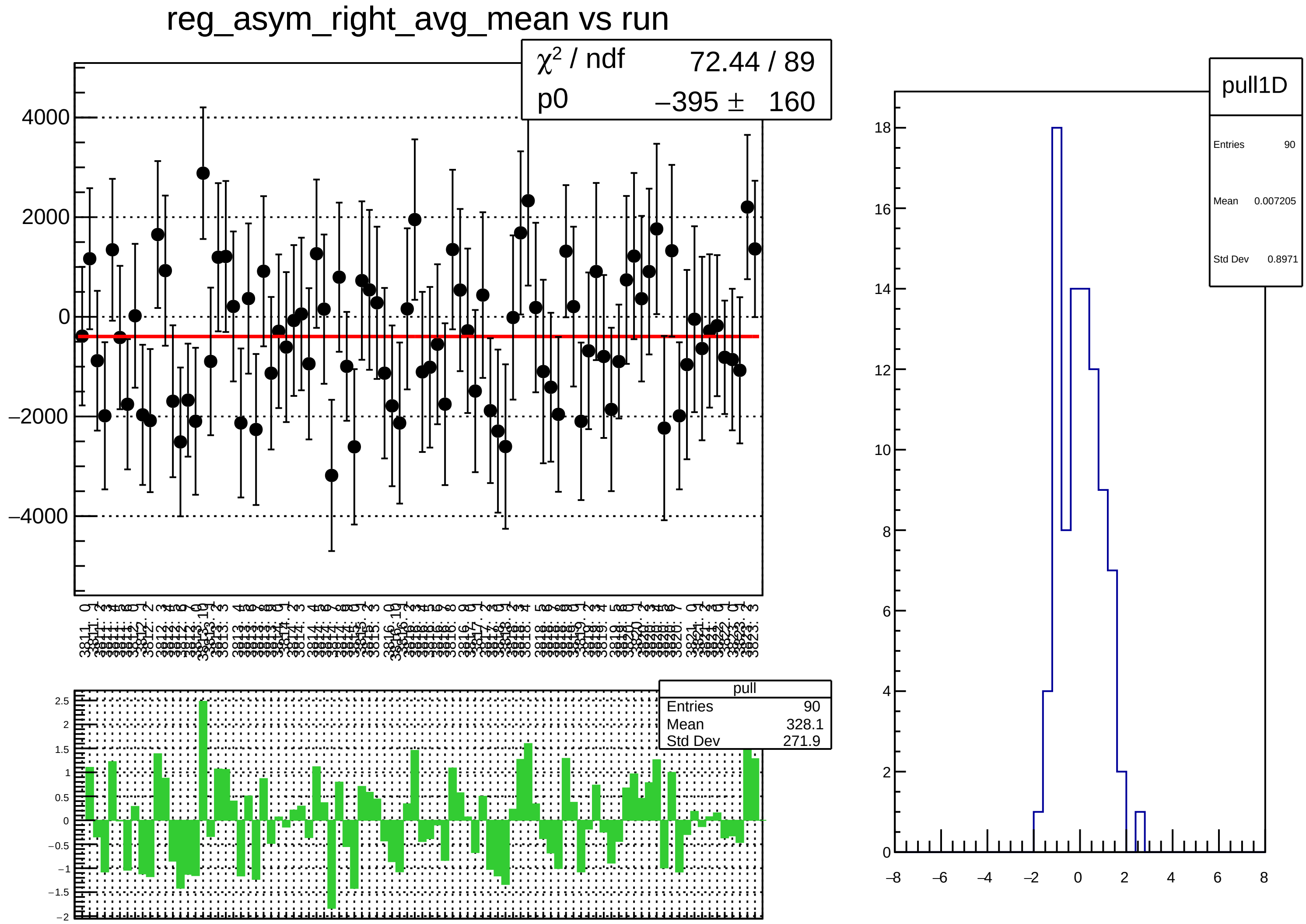


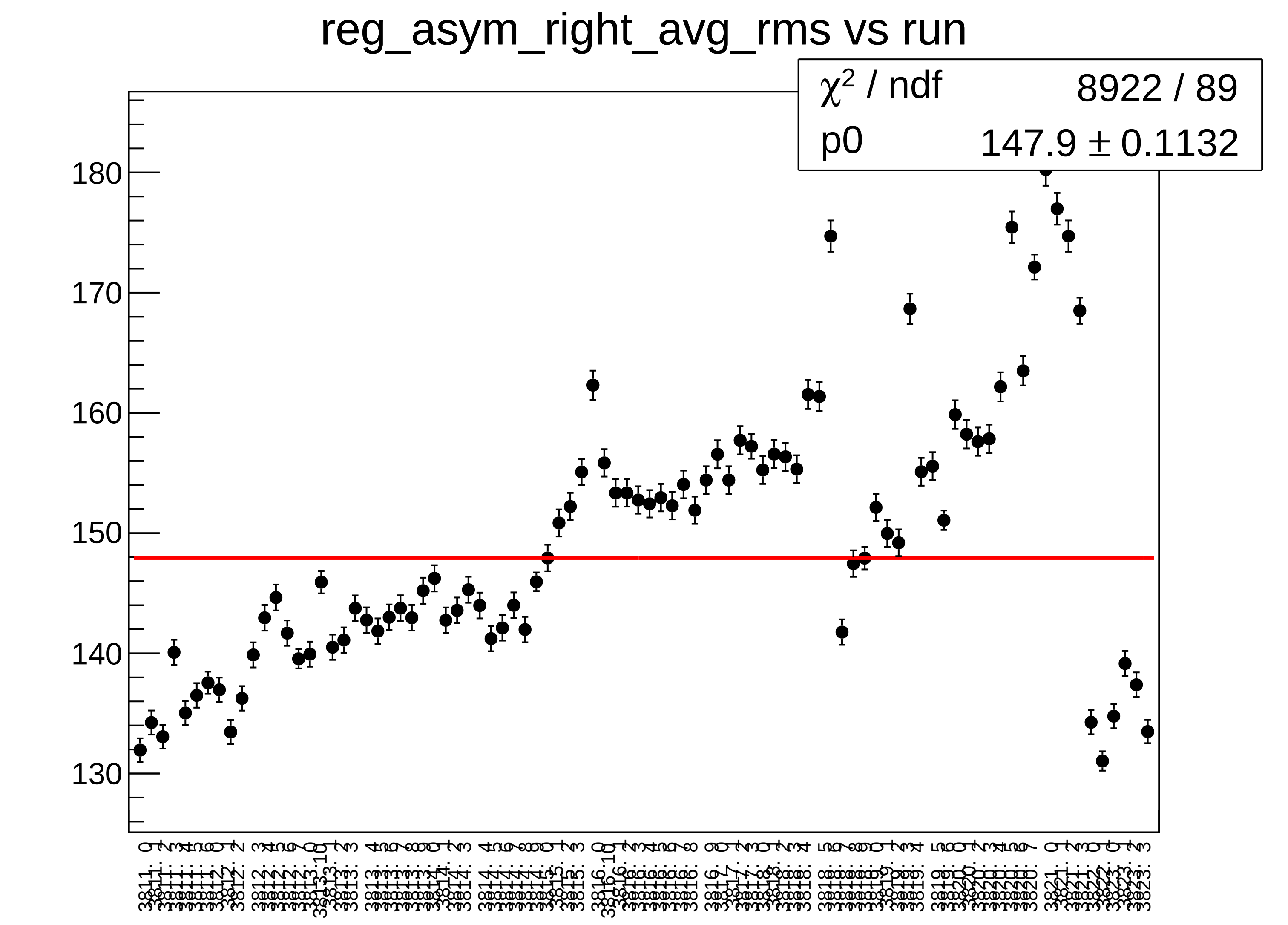

asym_left_dd_correction_rms vs run
χ^2 / ndf 3.003e+04 / 89
p0 21.49 ± 0.01654
30
28
26
24
22
20
18


asym_left_dd_mean vs run
χ2 / ndf 58.95 / 89
p0 −17.83 ± 36.25
1000
500
0
−500
−1000
pull
Entries 90
Mean 3773
Std Dev 3727
pull1D
Entries 90
Mean −0.000729
Std Dev 0.8093

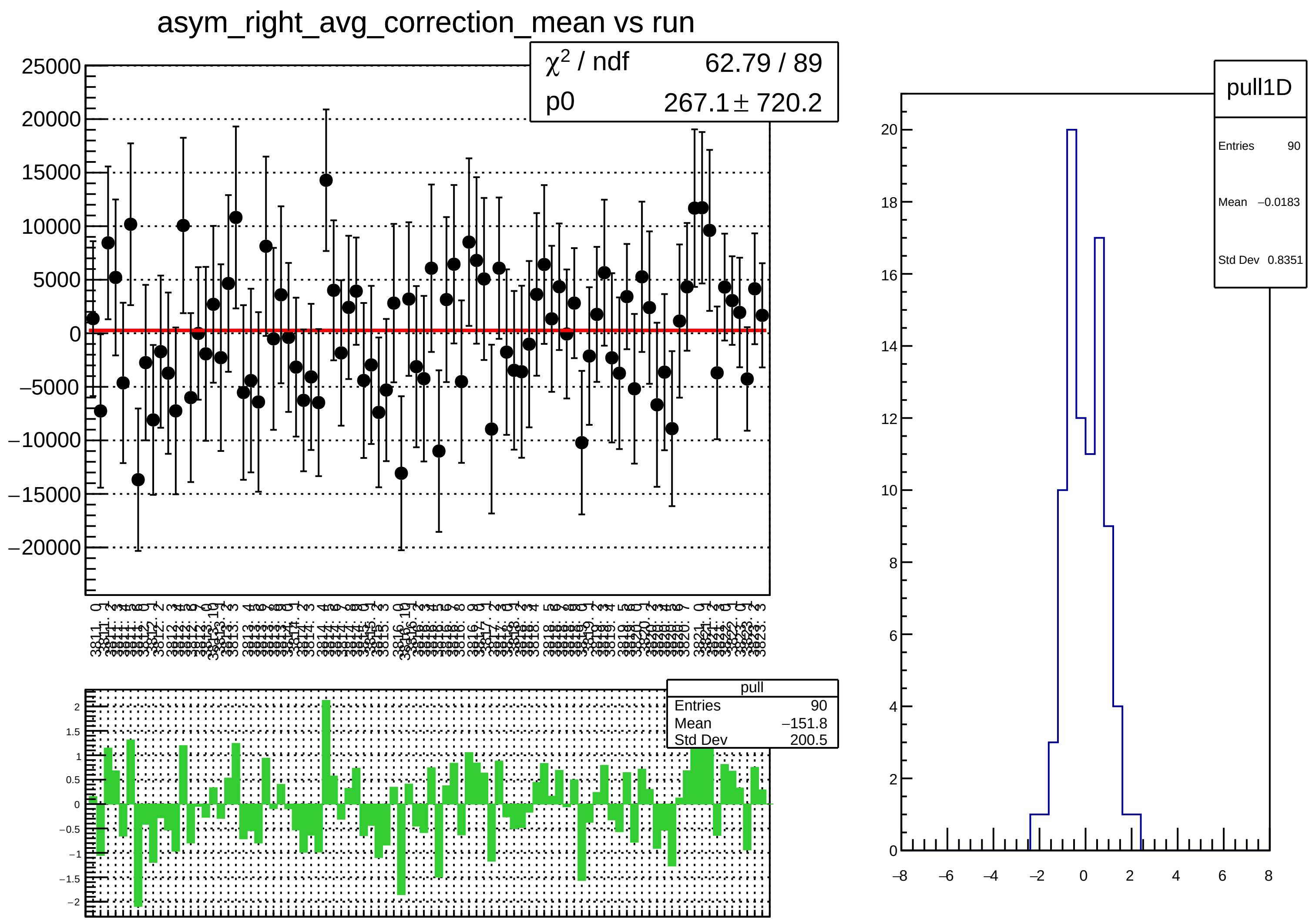


asym_left_dd_rms vs run
χ^2 / ndf 5617 / 89
p0 33.54 ± 0.02564
39
38
37
36
35
34
33
32
31
30

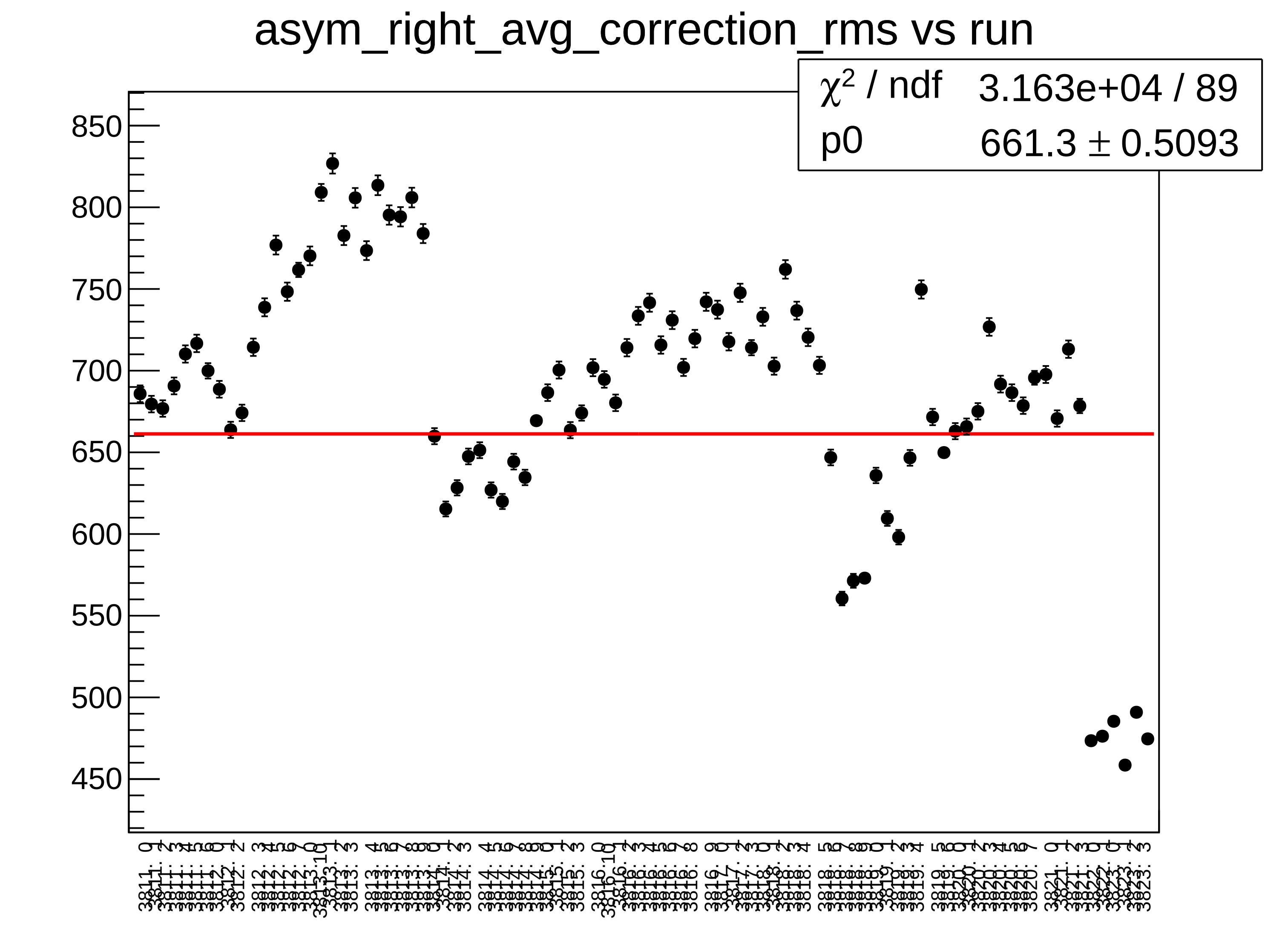

reg_asym_right_avg_mean vs run
χ^2 / ndf 72.44 / 89
p0 −395 ± 160
pull
Entries 90
Mean 328.1
Std Dev 271.9
pull1D
Entries 90
Mean 0.007205
Std Dev 0.8971



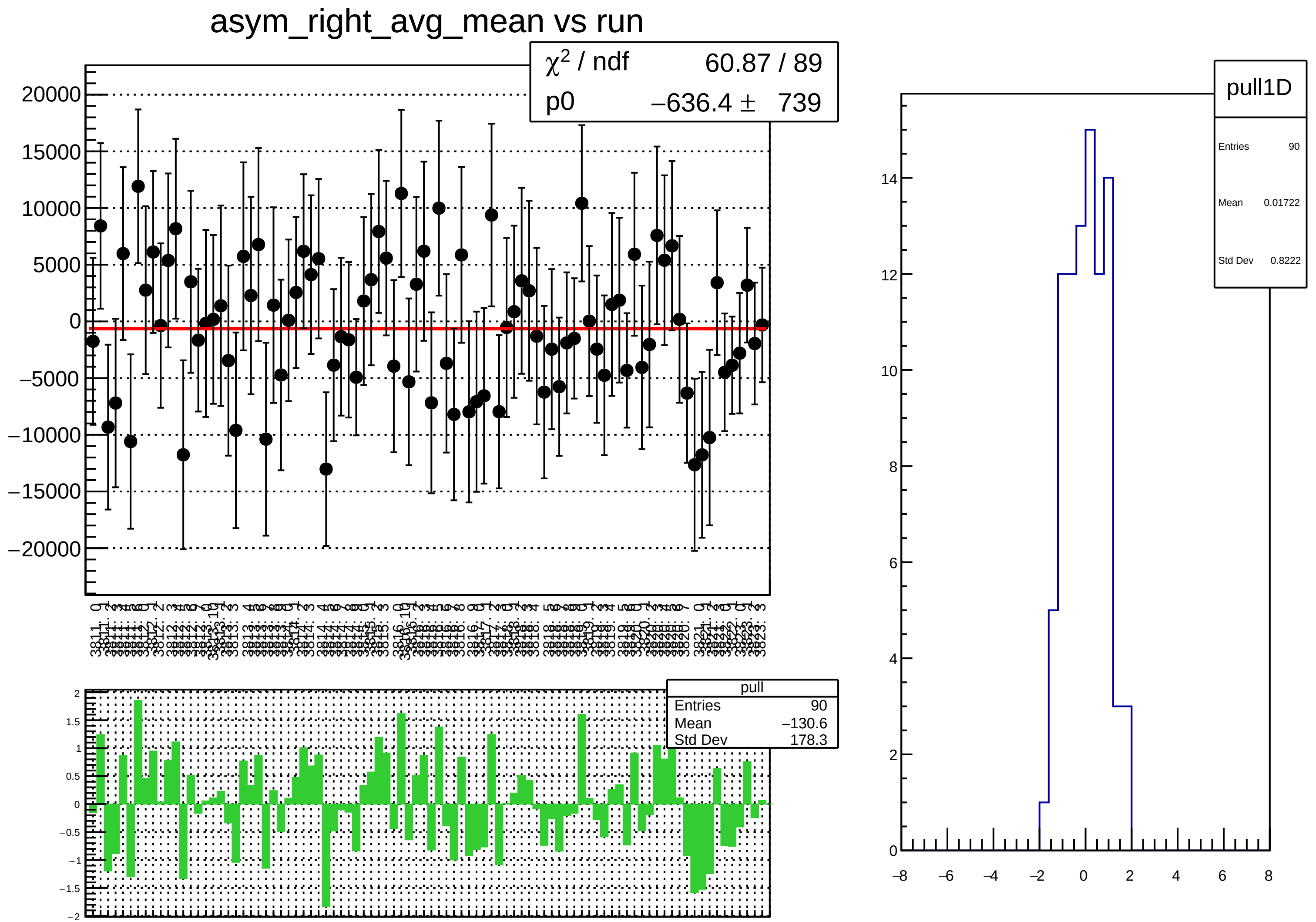
reg_asym_right_avg_rms vs run
χ2 / ndf 8922 / 89
p0 147.9 ± 0.1132
180
170
160
150
140
130



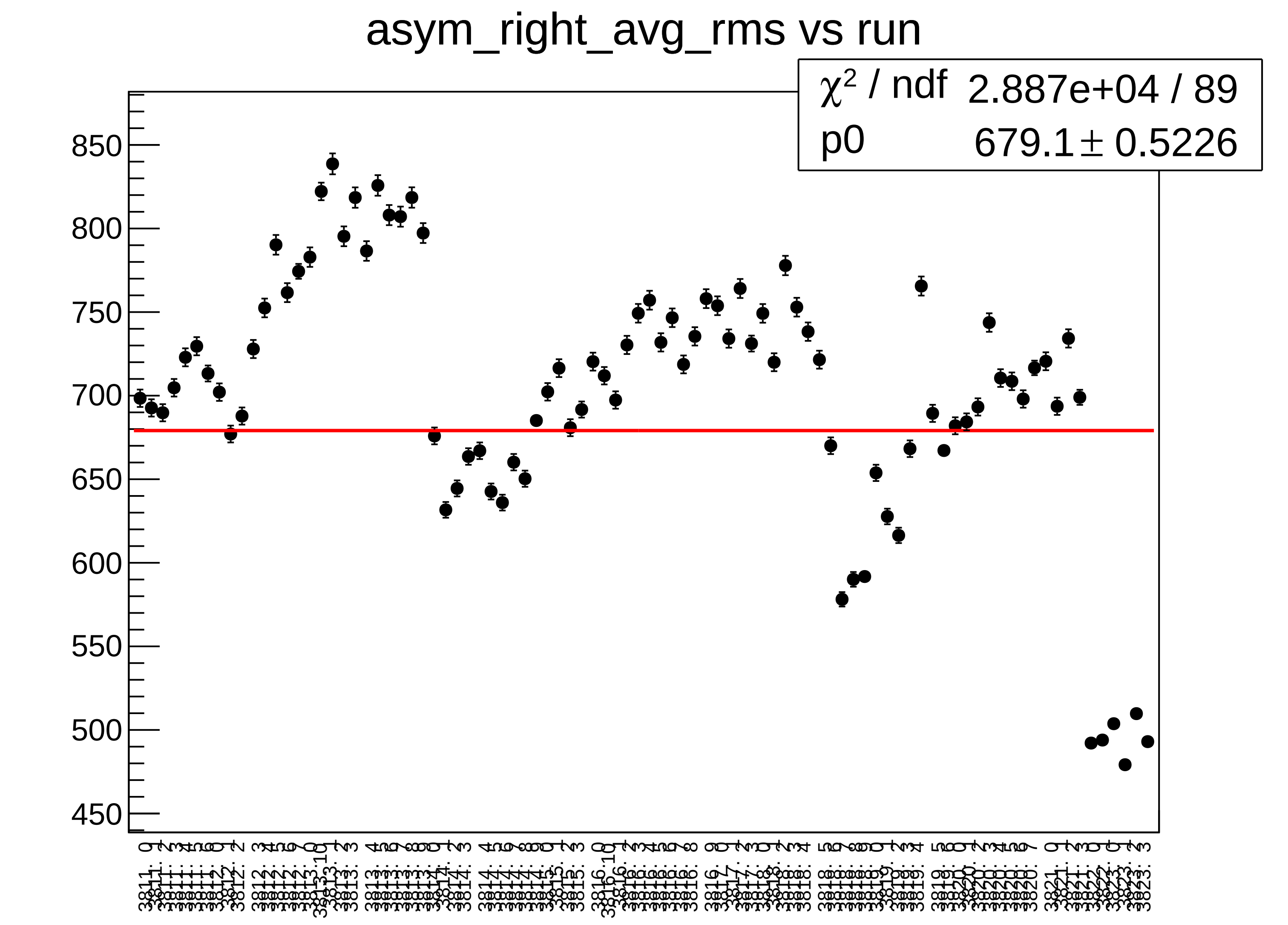
asym_right_avg_correction_mean vs run
χ^2 / ndf 62.79 / 89
p0 267.1 ± 720.2
pull
Entries 90
Mean −151.8
Std Dev 200.5
pull1D
Entries 90
Mean −0.0183
Std Dev 0.8351

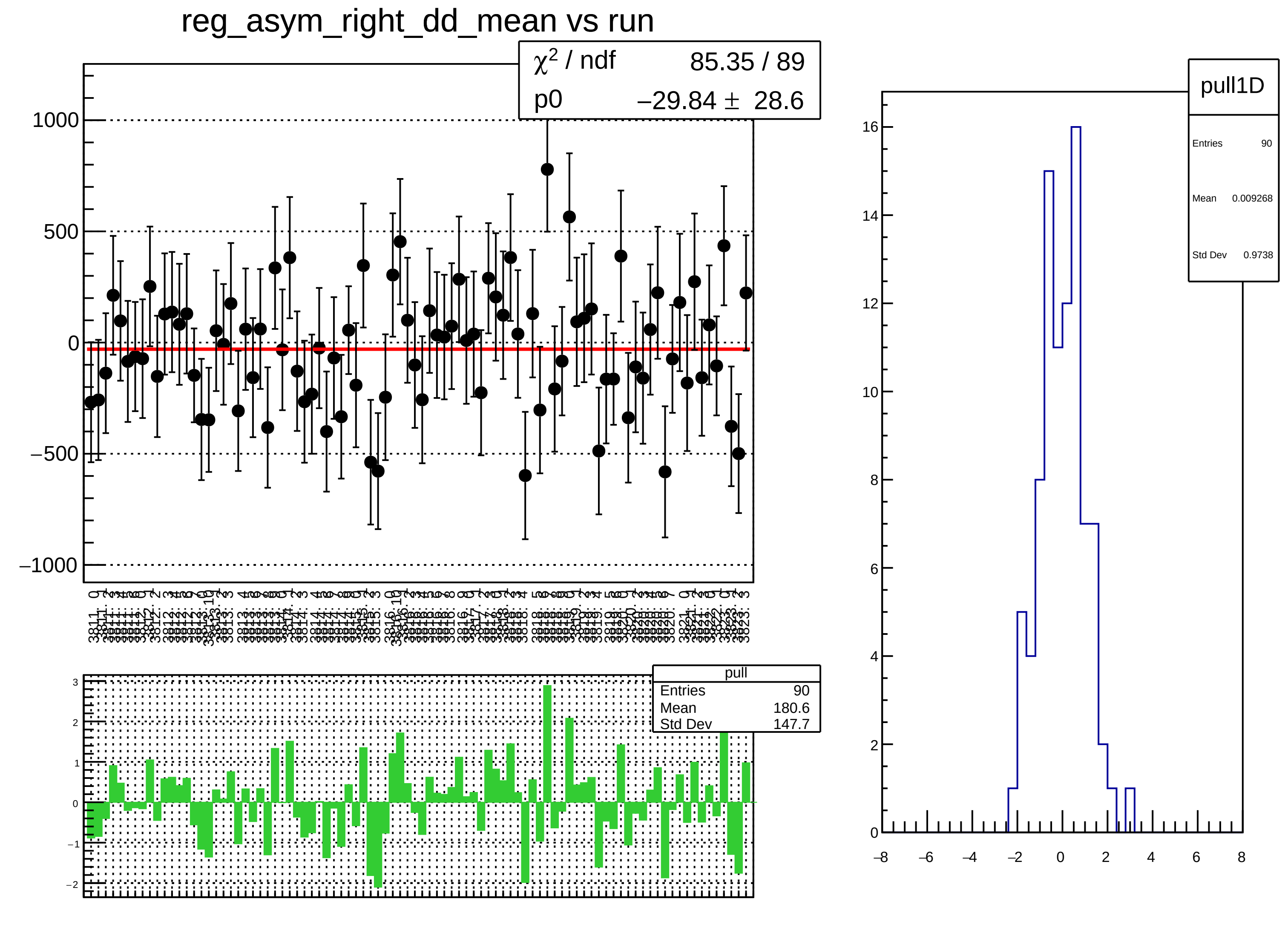


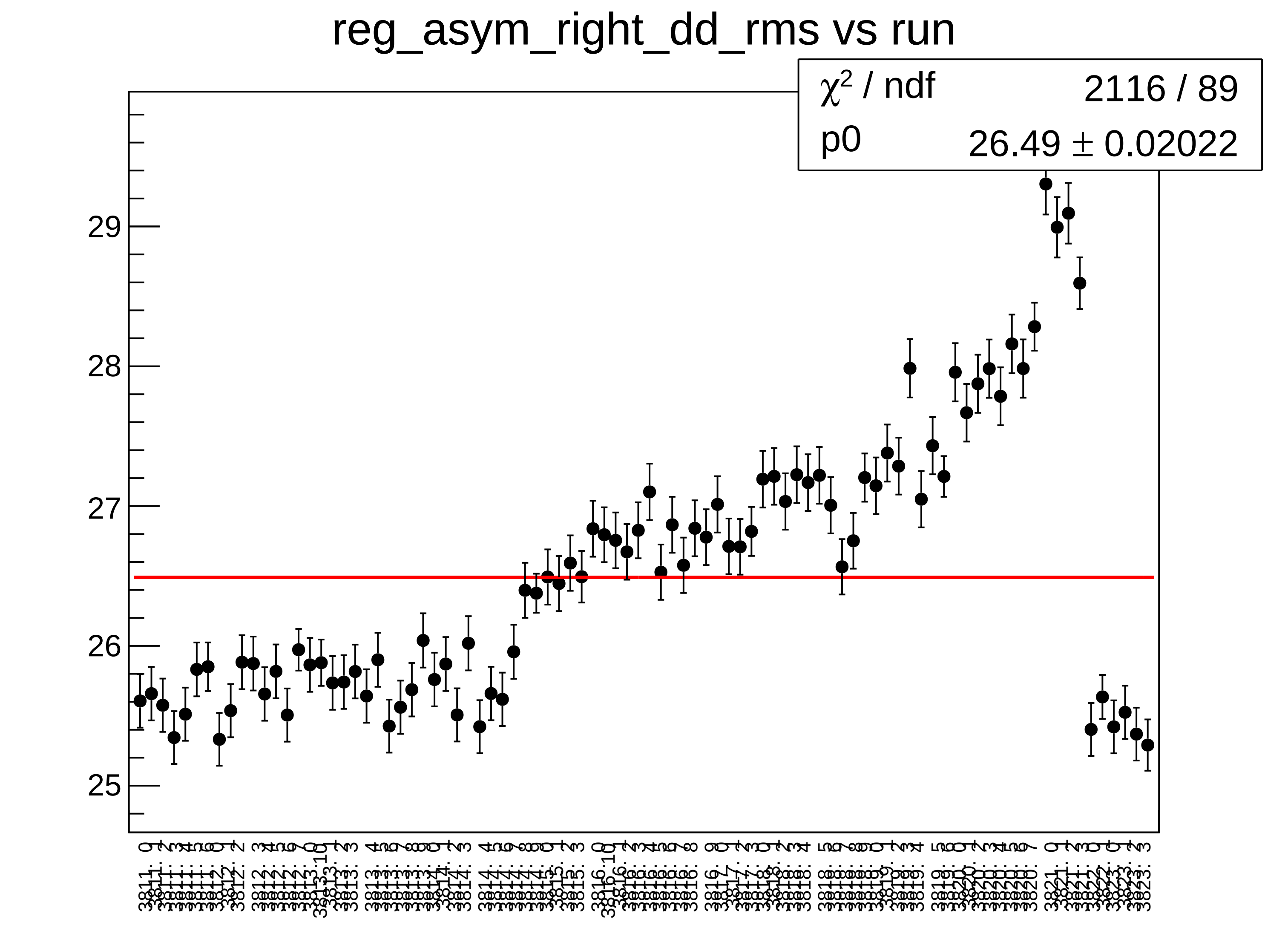
asym_right_avg_correction_rms vs run
χ^2 / ndf 3.163e+04 / 89
p0 661.3 ± 0.5093
850
800
750
700
650
600
550
500
450



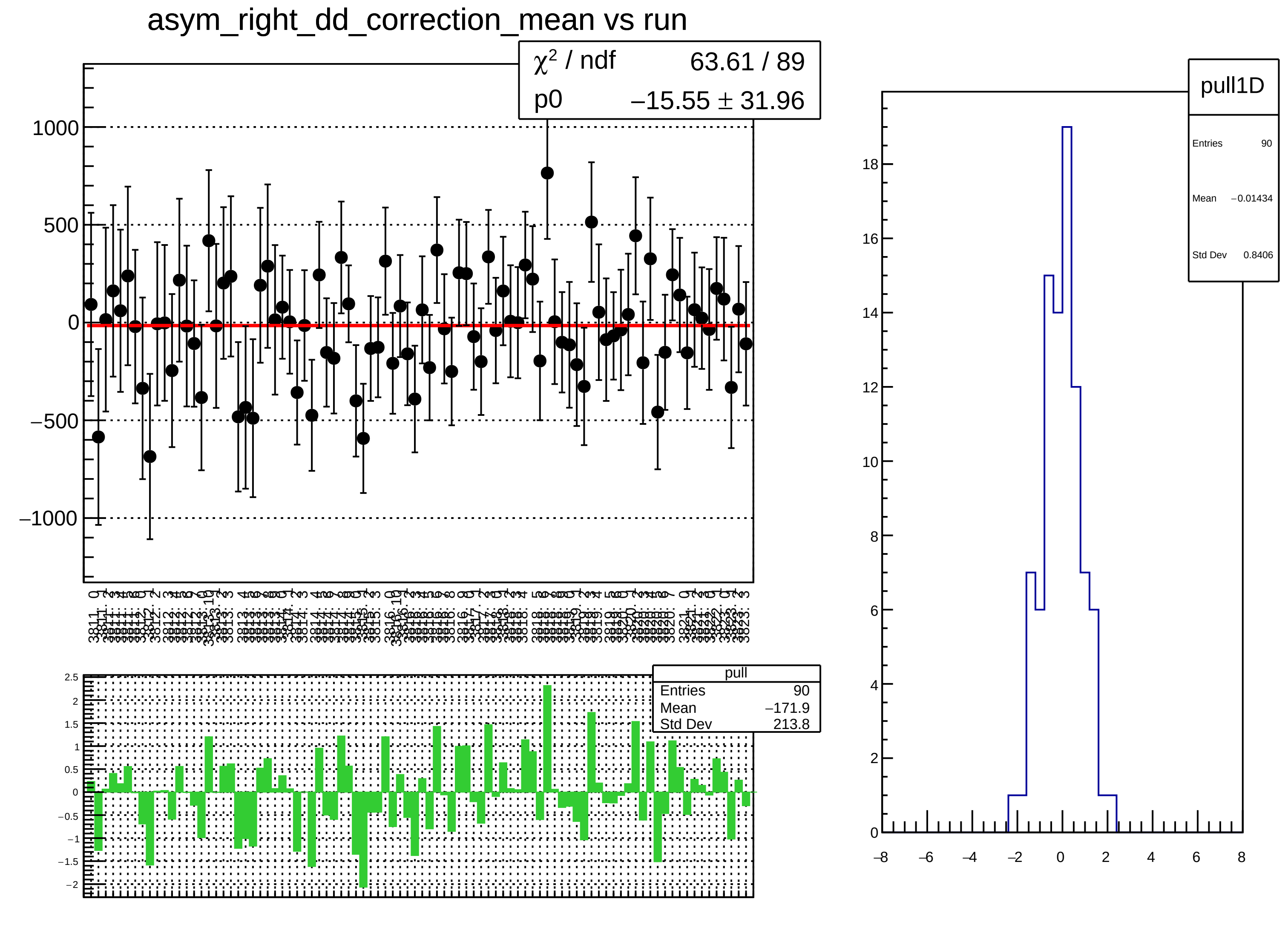
asym_right_avg_mean vs run
χ^2 / ndf 60.87 / 89
p0 −636.4 ± 739
pull
Entries 90
Mean −130.6
Std Dev 178.3
pull1D
Entries 90
Mean 0.01722
Std Dev 0.8222

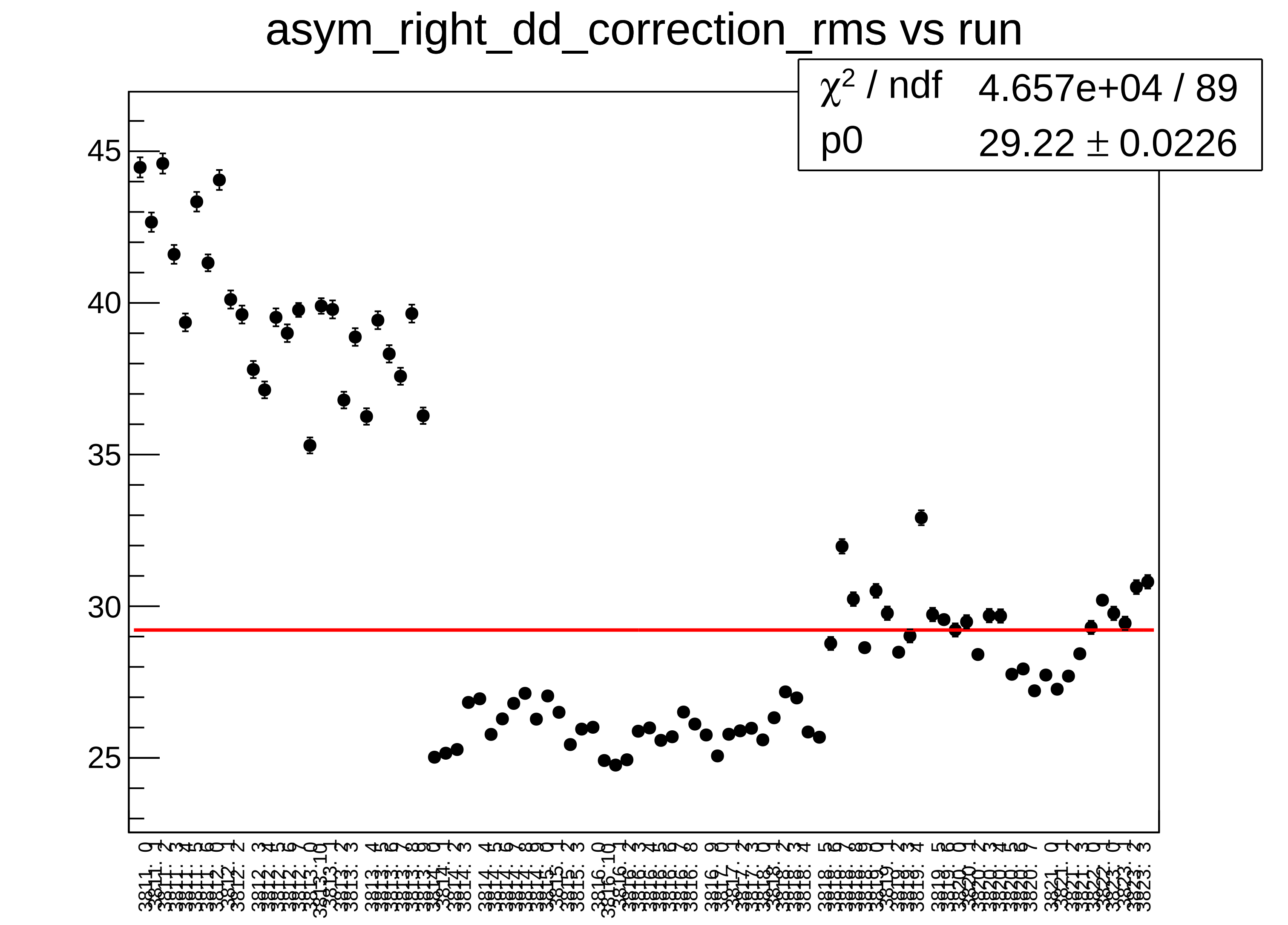

asym_right_avg_rms vs run
χ2 / ndf 2.887e+04 / 89
p0 679.1 ± 0.5226
850
800
750
700
650
600
550
500
450


reg_asym_right_dd_mean vs run
χ^2 / ndf 85.35 / 89
p0 −29.84 ± 28.6
1000
500
0
−500
−1000
pull
Entries 90
Mean 180.6
Std Dev 147.7
3
2
1
0
−1
−2
pull1D
Entries 90
Mean 0.009268
Std Dev 0.9738
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

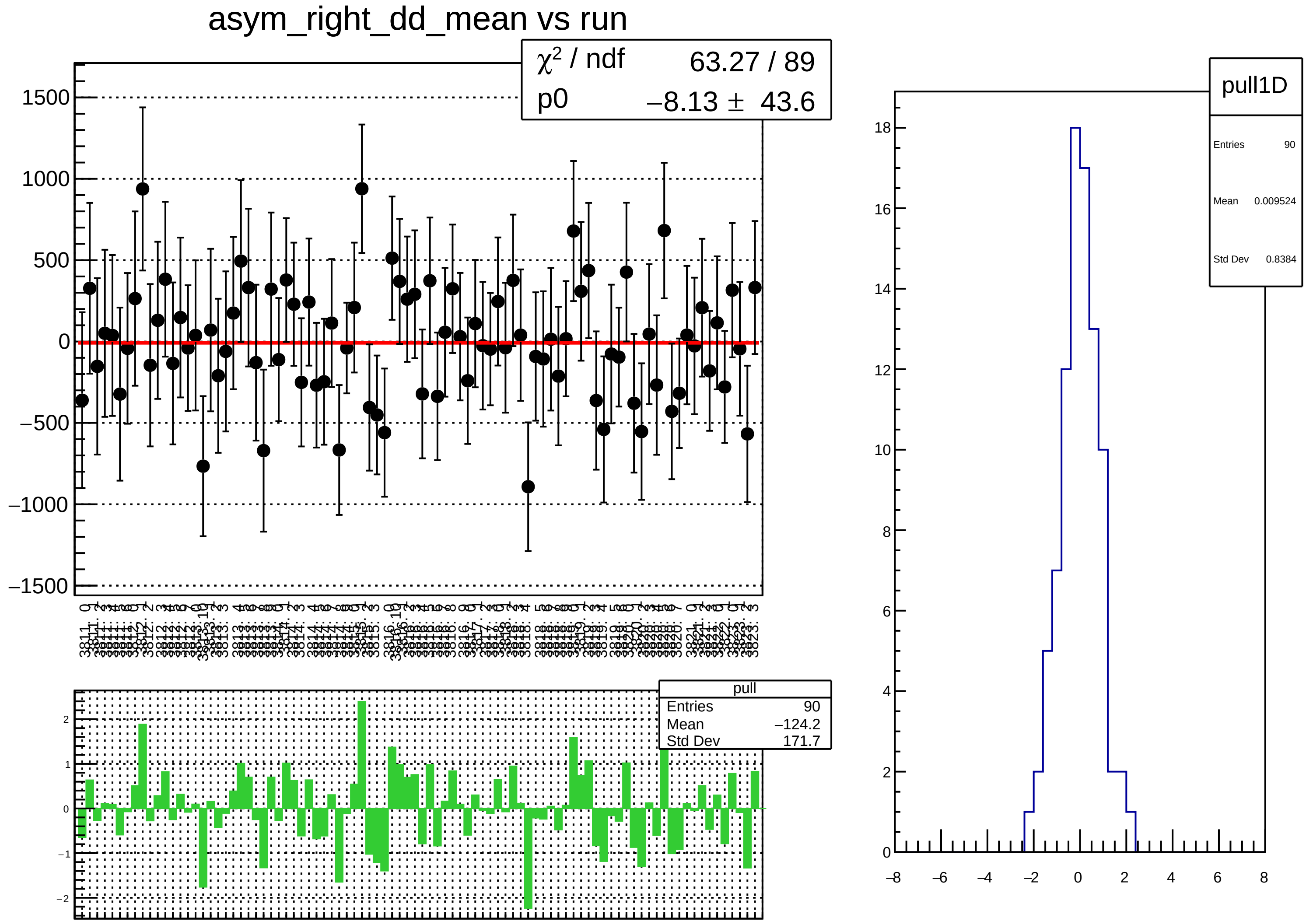


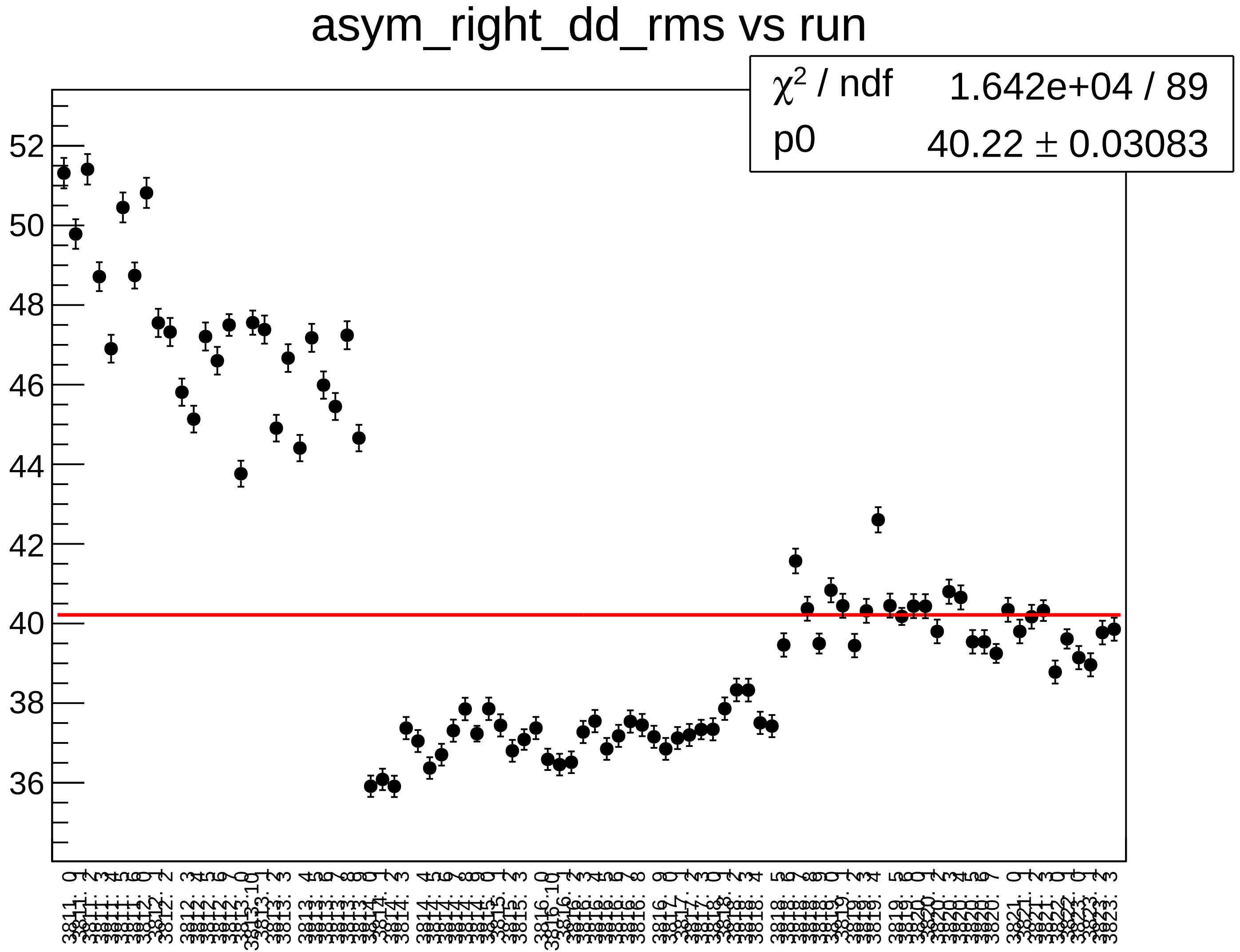
reg_asym_right_dd_rms vs run
χ2 / ndf 2116 / 89
p0 26.49 ± 0.02022
29
28
27
26
25

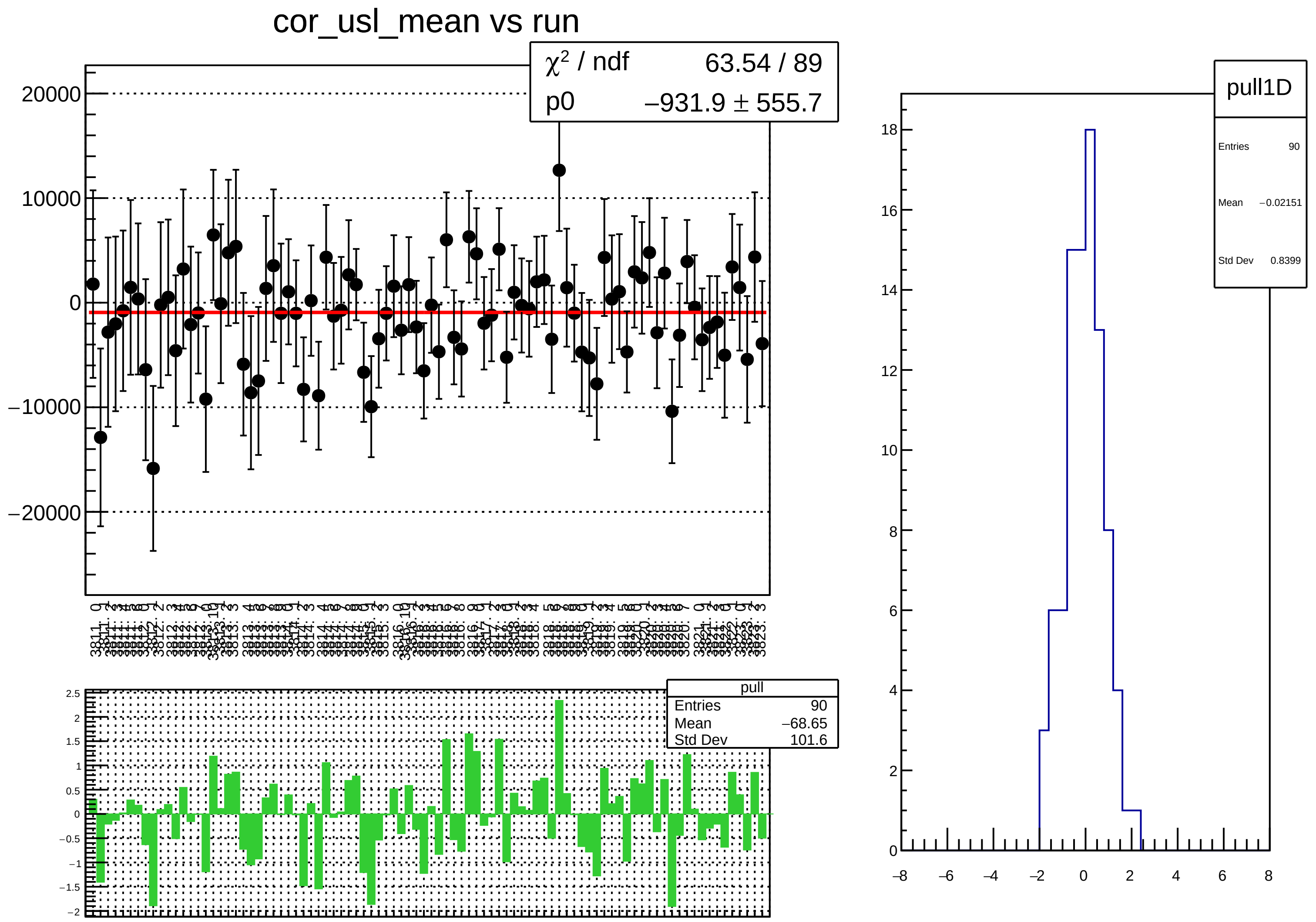

asym_right_dd_correction_mean vs run
χ^2 / ndf 63.61 / 89
p0 −15.55 ± 31.96
1000
500
0
−500
−1000
pull
Entries 90
Mean −171.9
Std Dev 213.8
pull1D
Entries 90
Mean −0.01434
Std Dev 0.8406

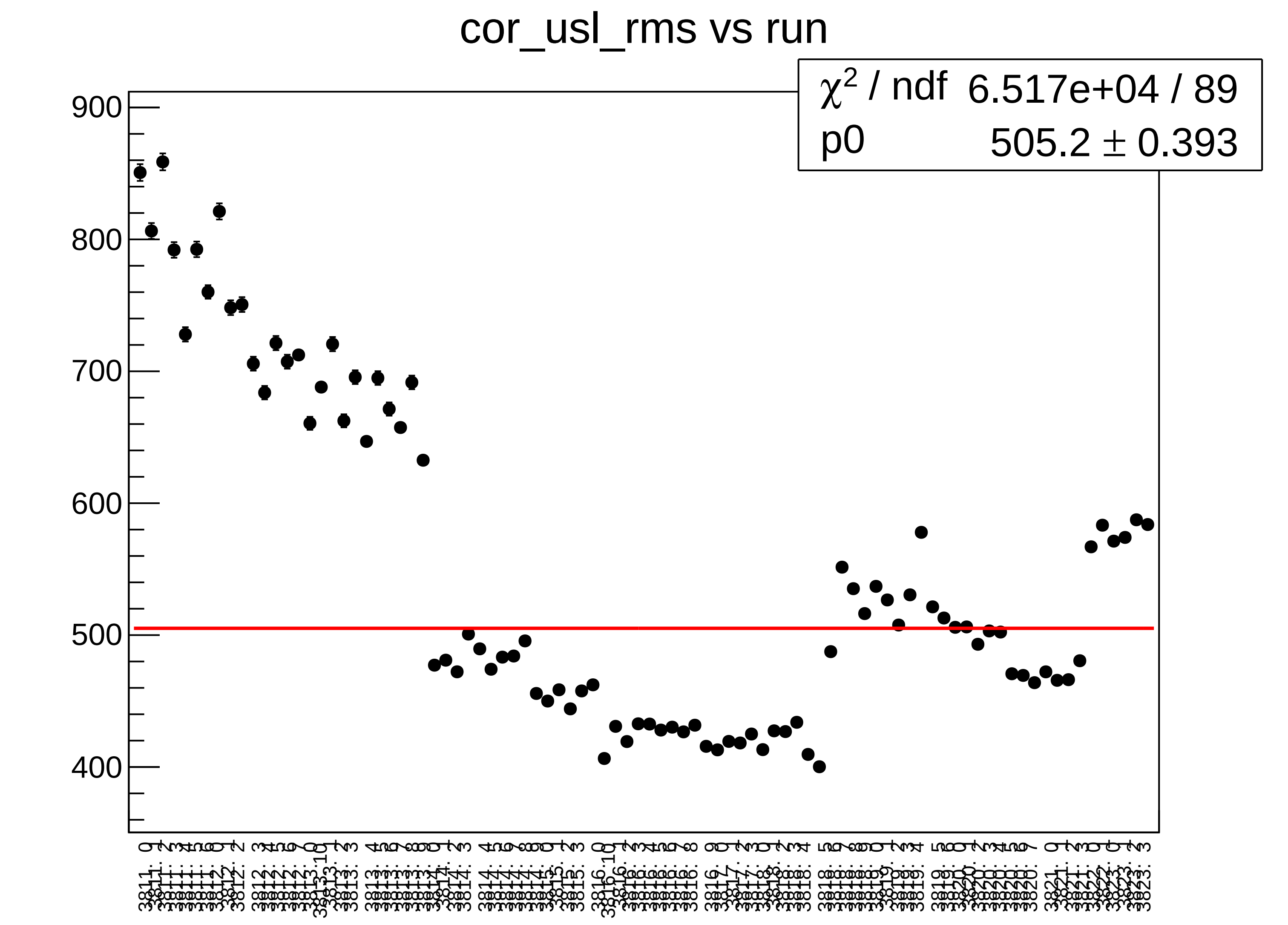


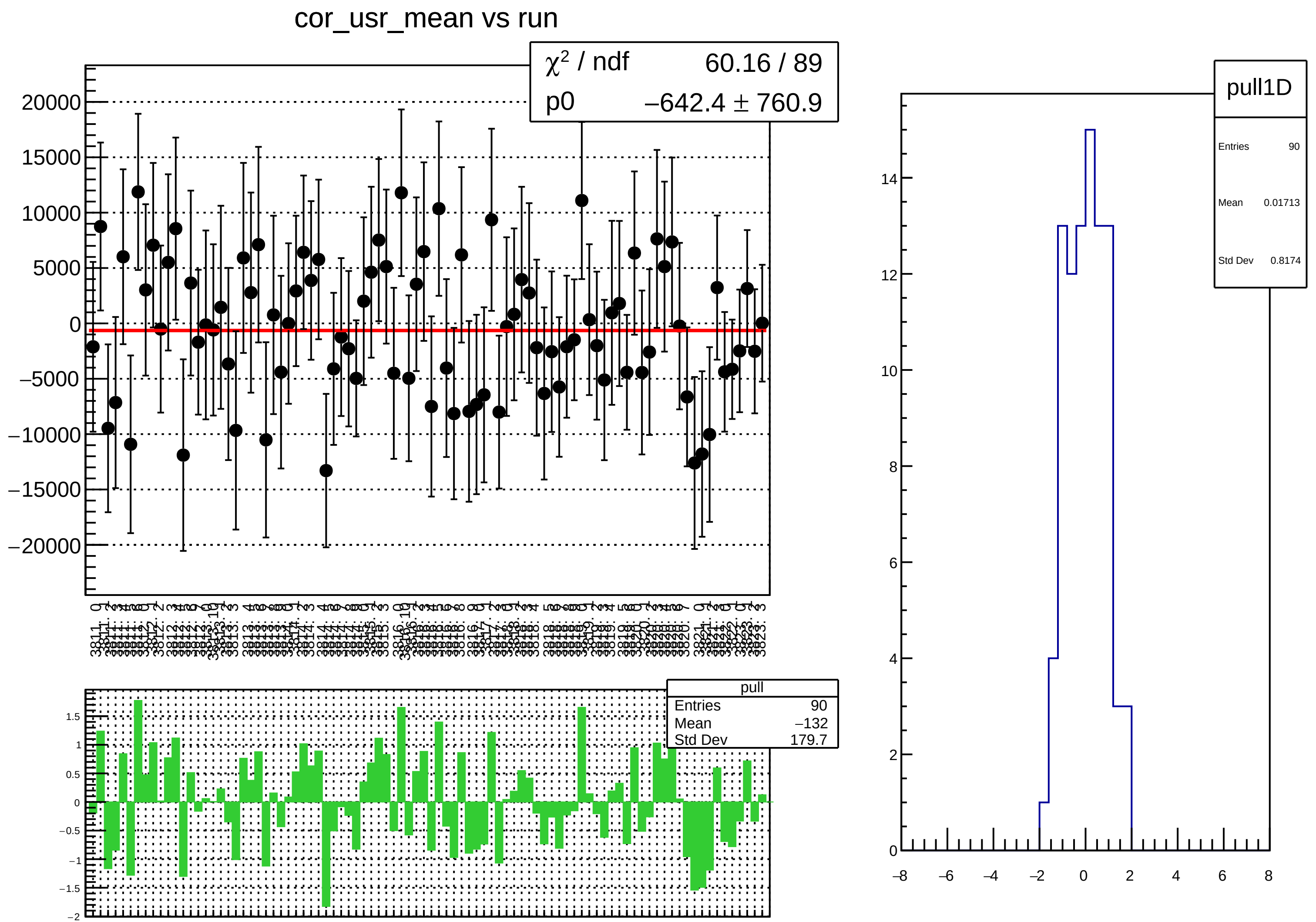
asym_right_dd_correction_rms vs run
χ2 / ndf 4.657e+04 / 89
p0 29.22 ± 0.0226
45
40
35
30
25

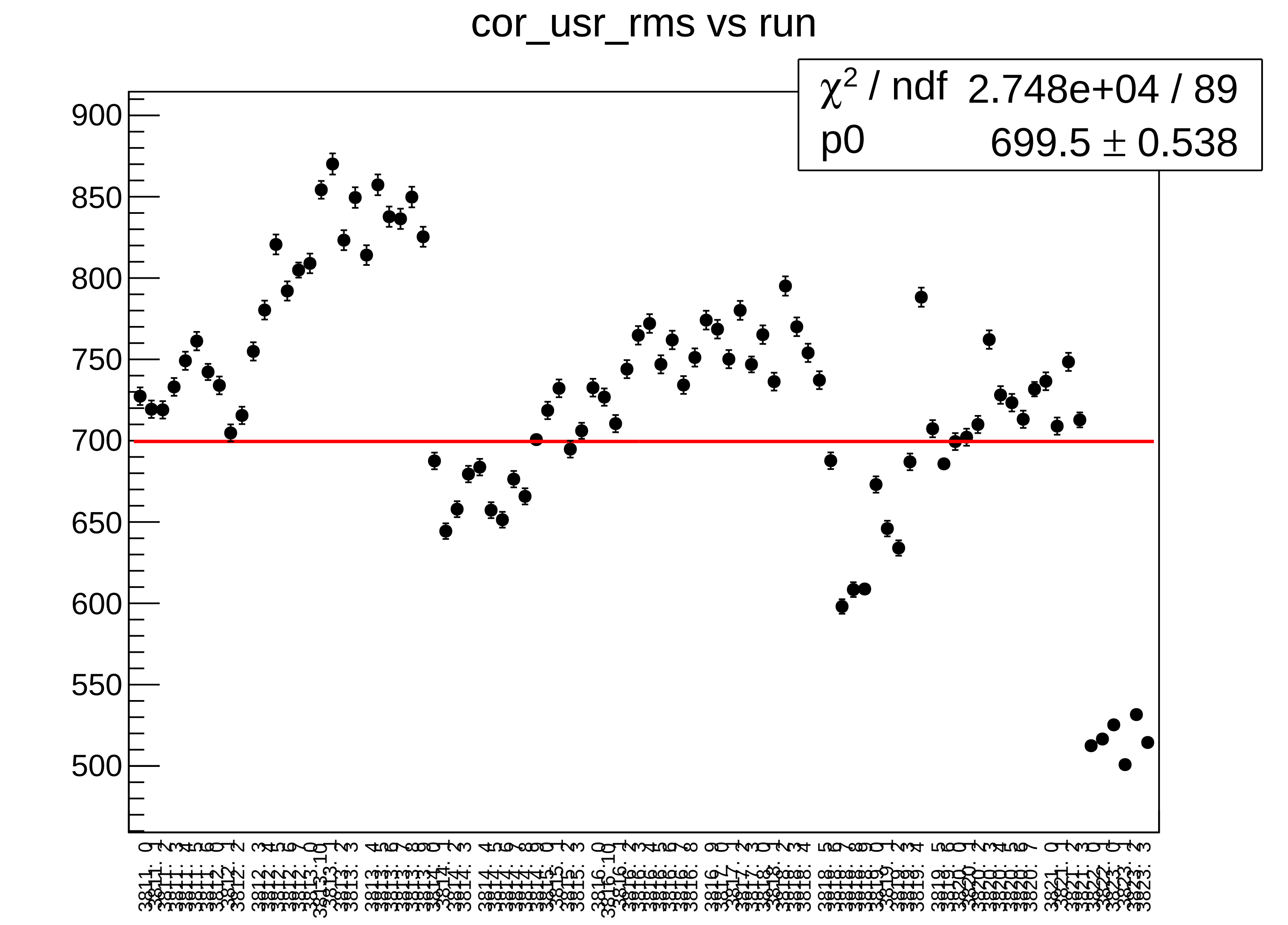

asym_right_dd_mean vs run
χ^2 / ndf 63.27 / 89
p0 −8.13 ± 43.6
pull
Entries 90
Mean −124.2
Std Dev 171.7
pull1D
Entries 90
Mean 0.009524
Std Dev 0.8384

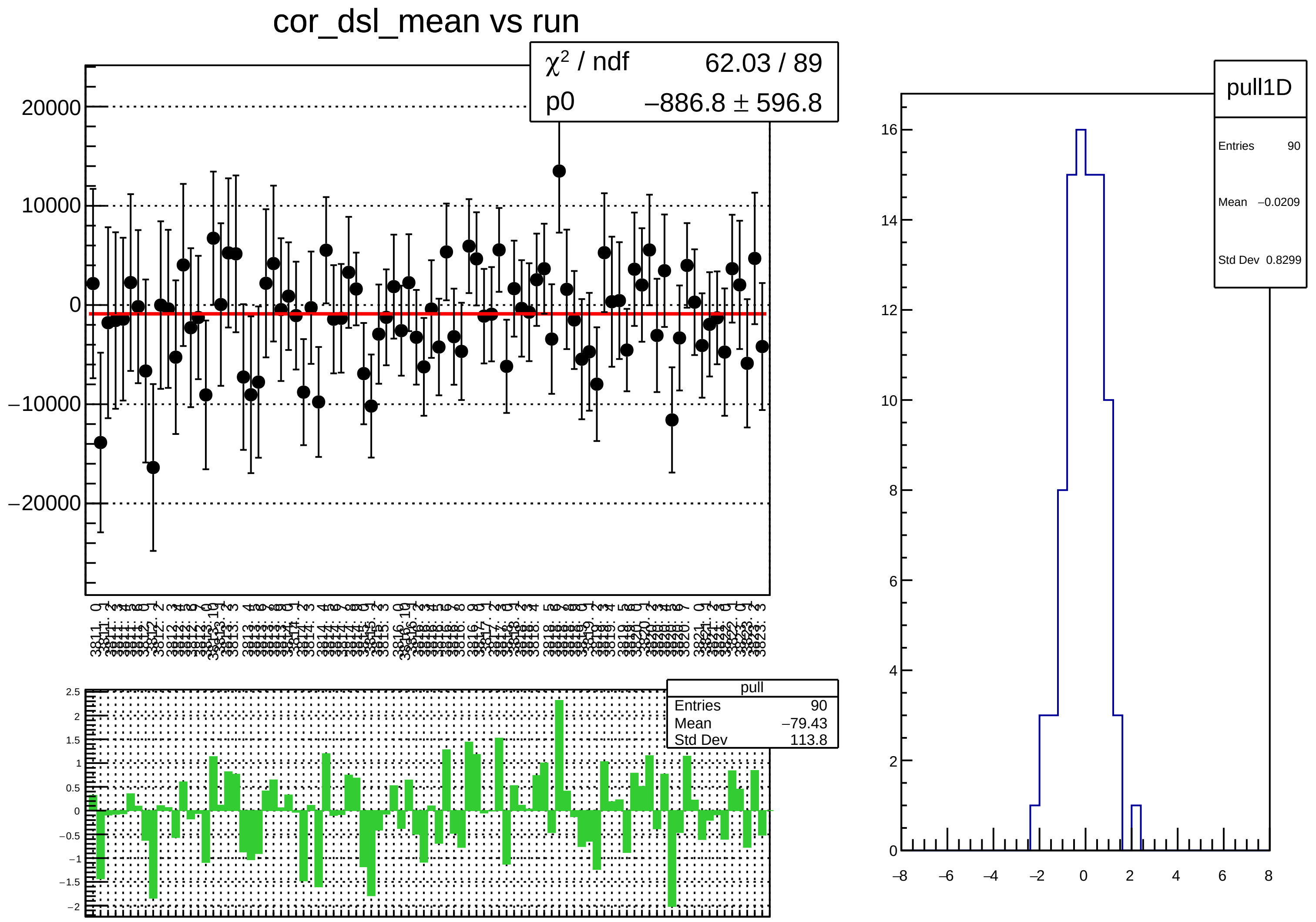

asym_right_dd_rms vs run
χ^2 / ndf 1.642e+04 / 89
p0 40.22 ± 0.03083
52
50
48
46
44
42
40
38
36

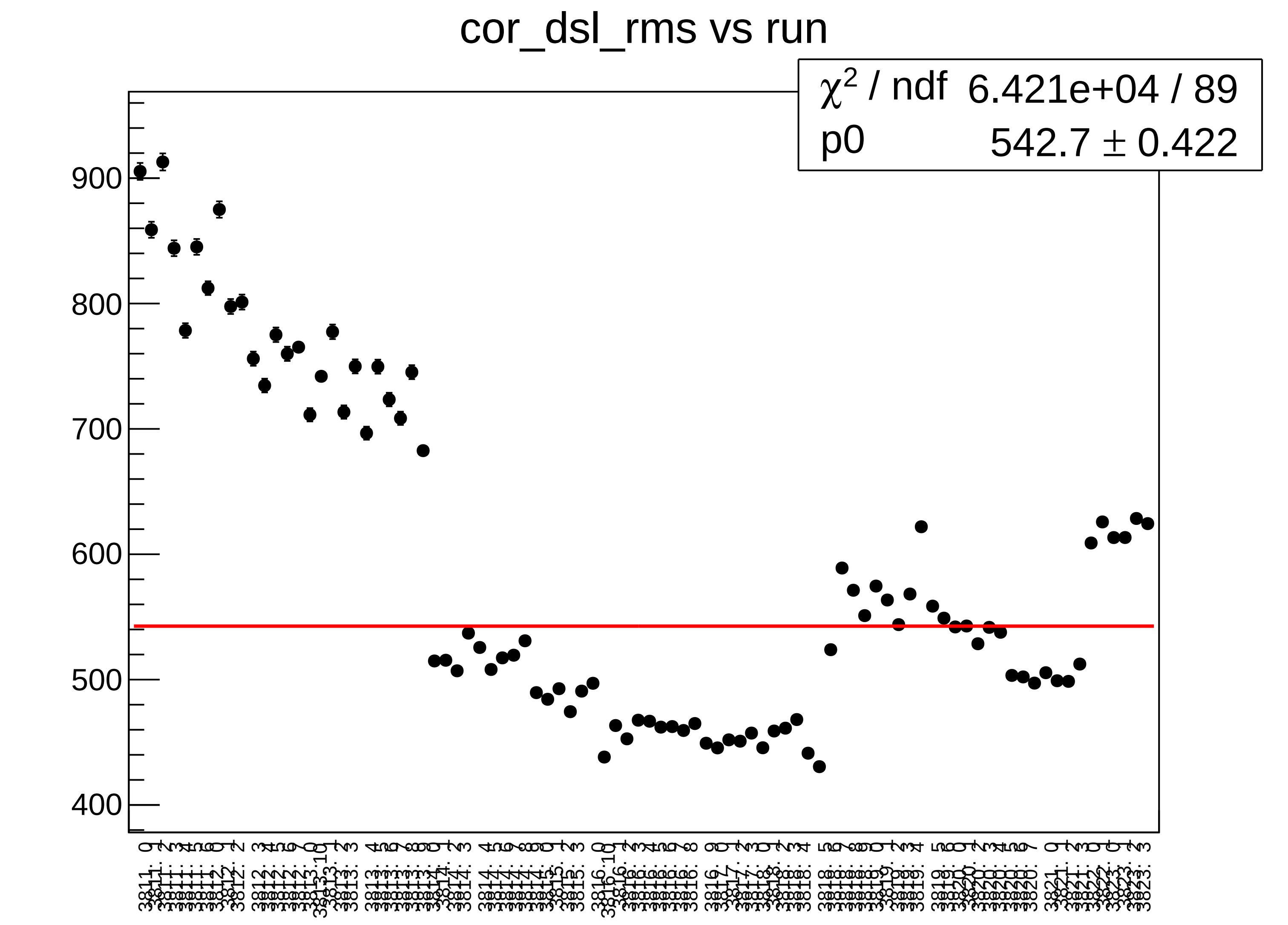

cor_usl_mean vs run
χ^2 / ndf 63.54 / 89
p0 −931.9 ± 555.7
pull
Entries 90
Mean −68.65
Std Dev 101.6
pull1D
Entries 90
Mean −0.02151
Std Dev 0.8399


cor_usl_rms vs run
χ^2 / ndf 6.517e+04 / 89
p0 505.2 ± 0.393
900
800
700
600
500
400

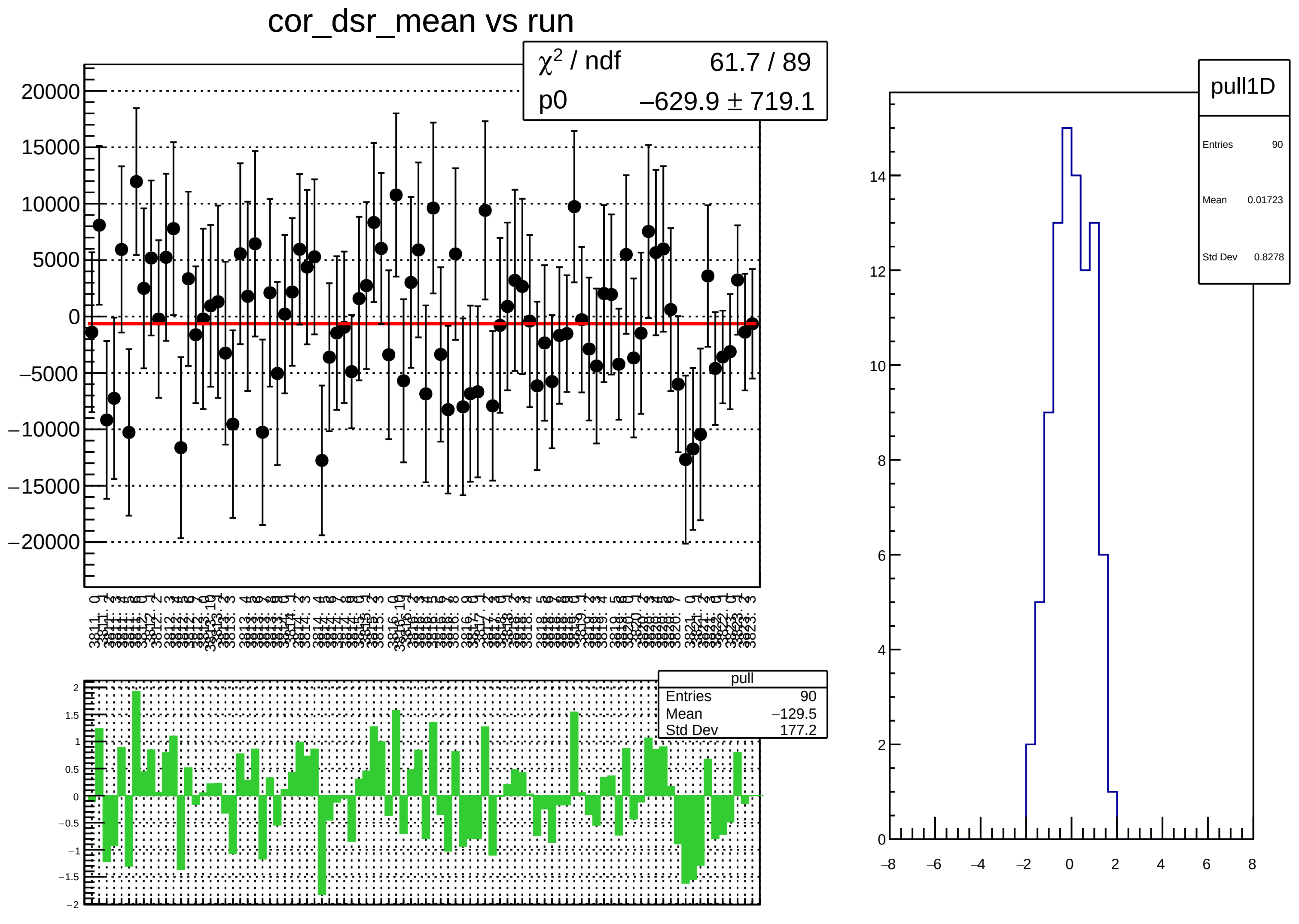

cor_usr_mean vs run
χ^2 / ndf 60.16 / 89
p0 −642.4 ± 760.9
pull
Entries 90
Mean −132
Std Dev 179.7
pull1D
Entries 90
Mean 0.01713
Std Dev 0.8174

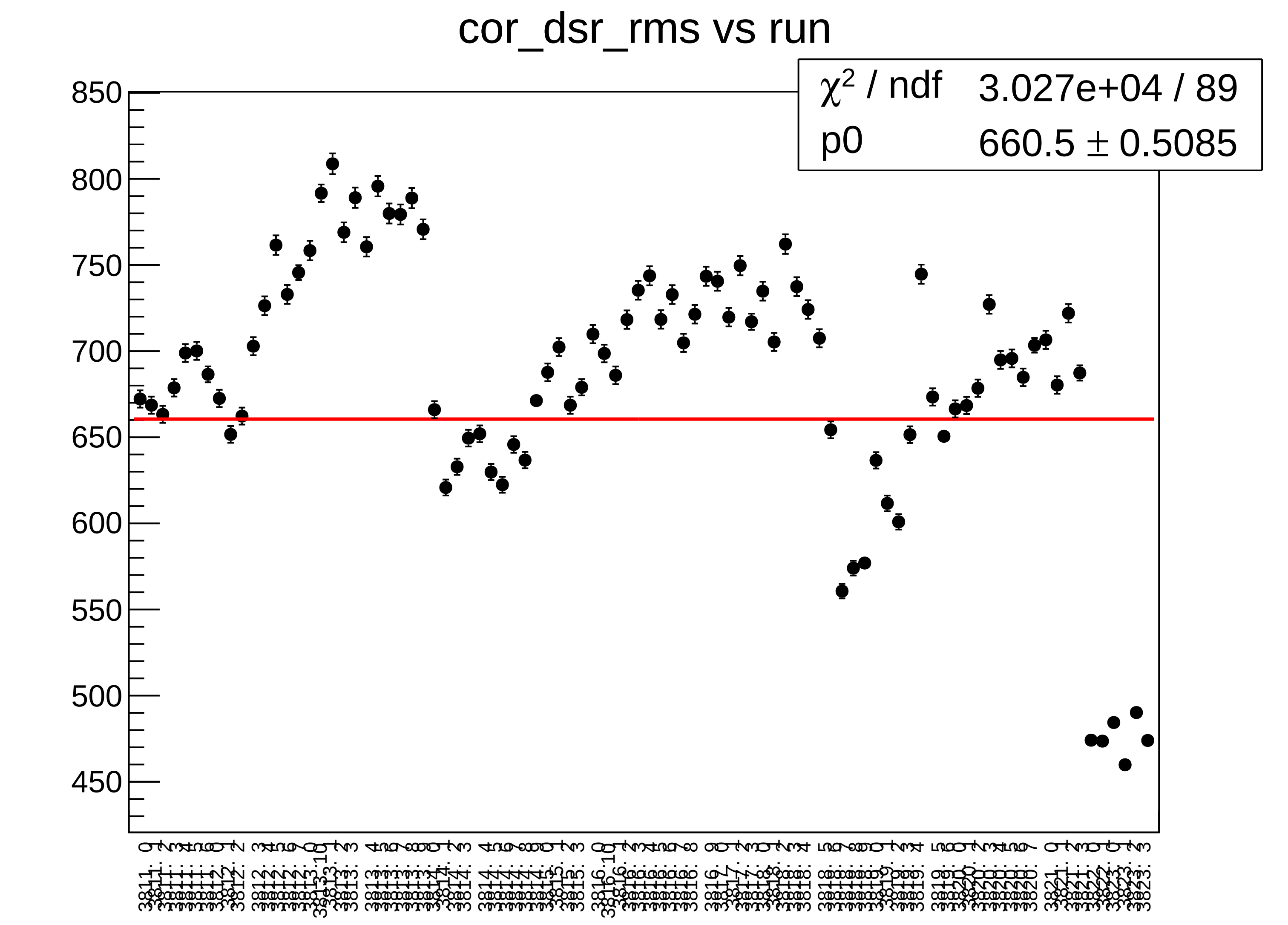

cor_usr_rms vs run
χ^2 / ndf 2.748e+04 / 89
p0 699.5 ± 0.538
900
850
800
750
700
650
600
550
500

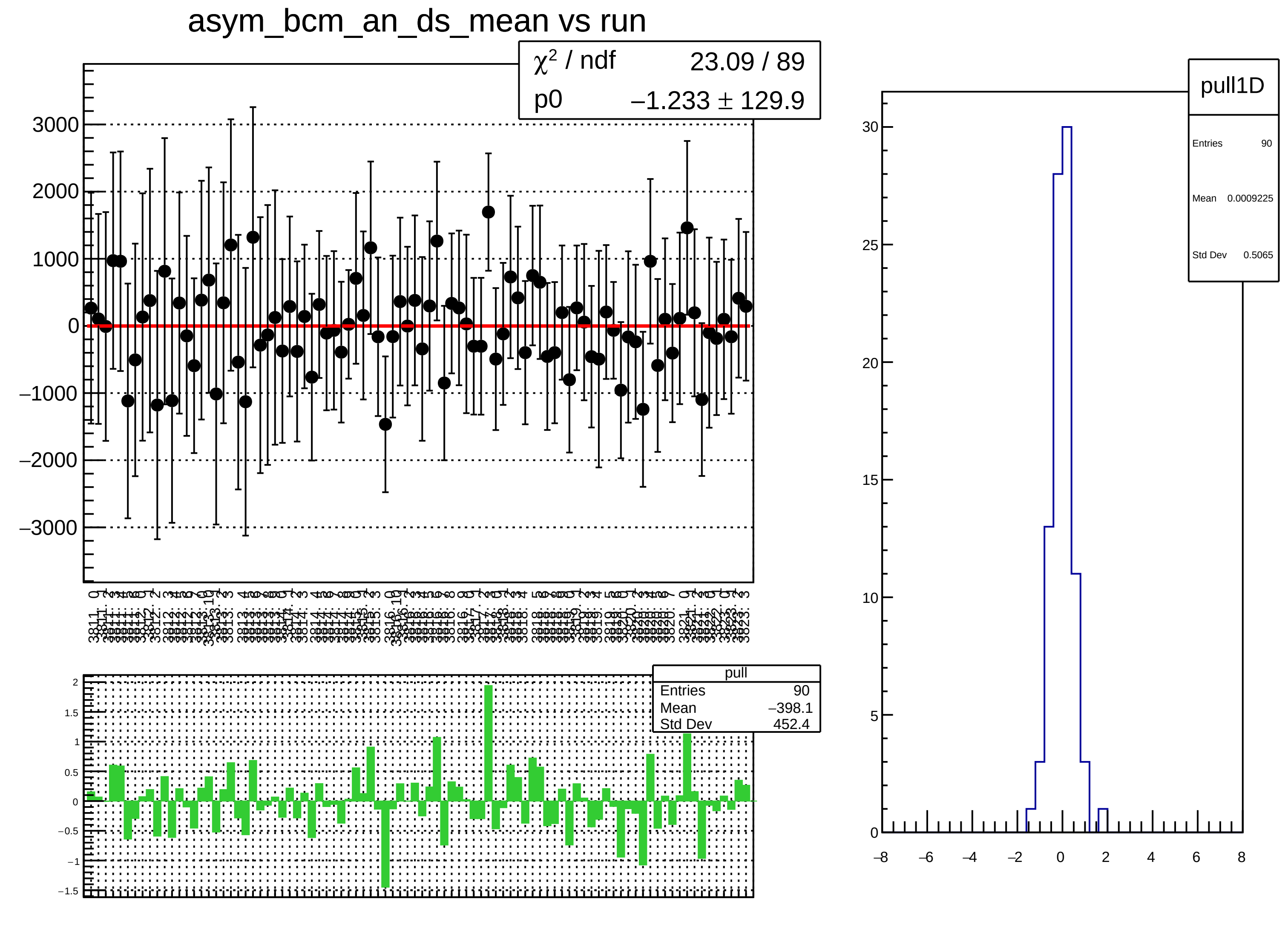

cor_dsl_mean vs run
χ2 / ndf 62.03 / 89
p0 −886.8 ± 596.8
pull
Entries 90
Mean −79.43
Std Dev 113.8
pull1D
Entries 90
Mean −0.0209
Std Dev 0.8299

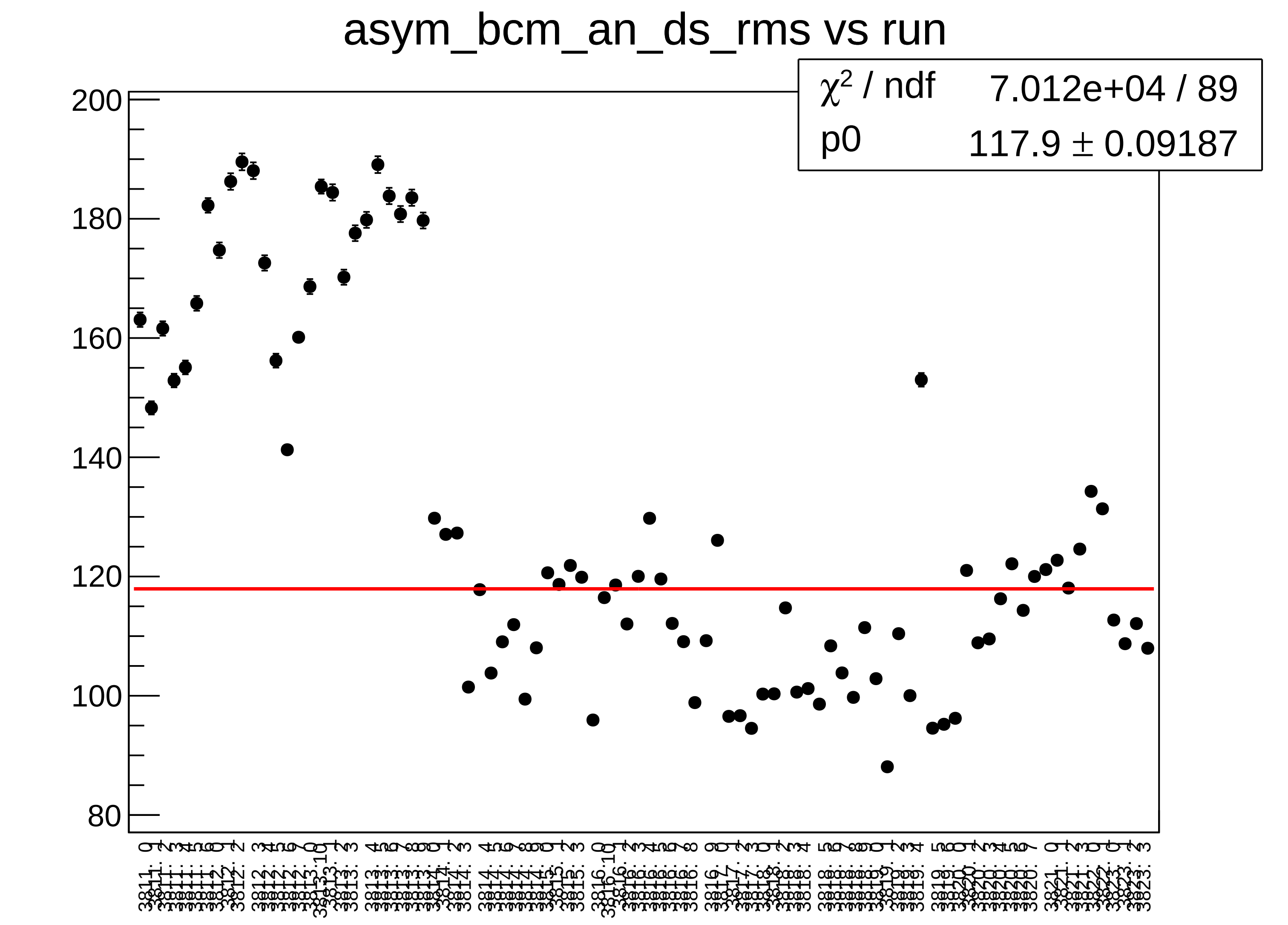


cor_dsl_rms vs run
χ^2 / ndf 6.421e+04 / 89
p0 542.7 ± 0.422
900
800
700
600
500
400


cor_dsr_mean vs run
χ^2 / ndf 61.7 / 89
p0 −629.9 ± 719.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 90
Mean −129.5
Std Dev 177.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 90
Mean 0.01723
Std Dev 0.8278
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

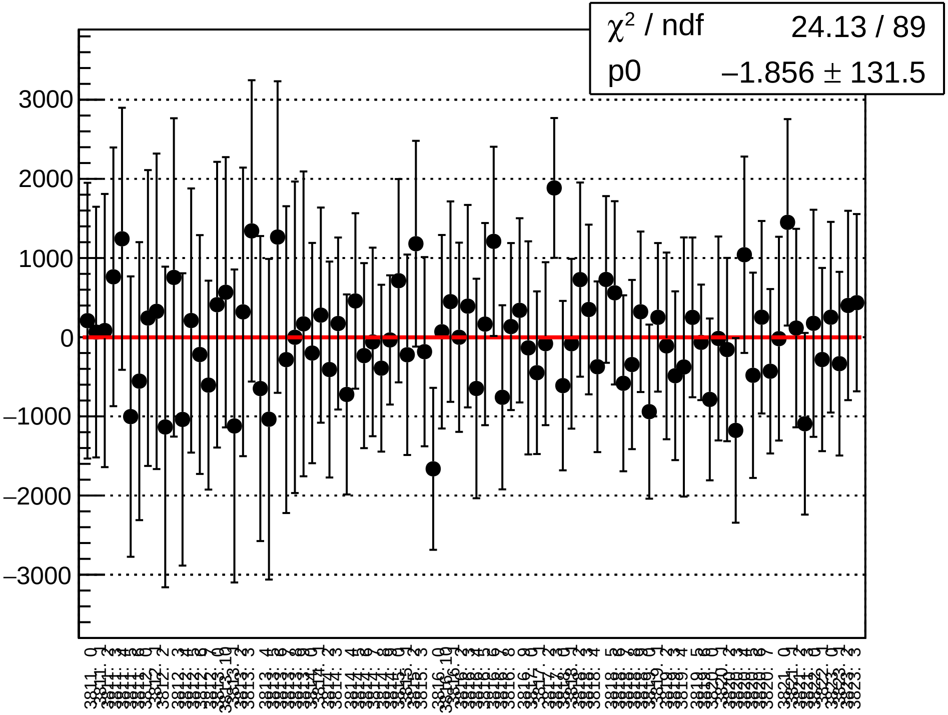

cor_dsr_rms vs run
χ^2 / ndf 3.027e+04 / 89
p0 660.5 ± 0.5085
850
800
750
700
650
600
550
500
450

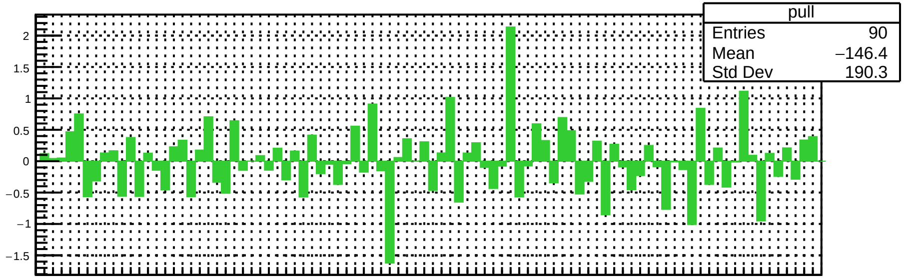

asym_bcm_an_ds_mean vs run
χ^2 / ndf 23.09 / 89
p0 −1.233 ± 129.9
pull
Entries 90
Mean −398.1
Std Dev 452.4
pull1D
Entries 90
Mean 0.0009225
Std Dev 0.5065

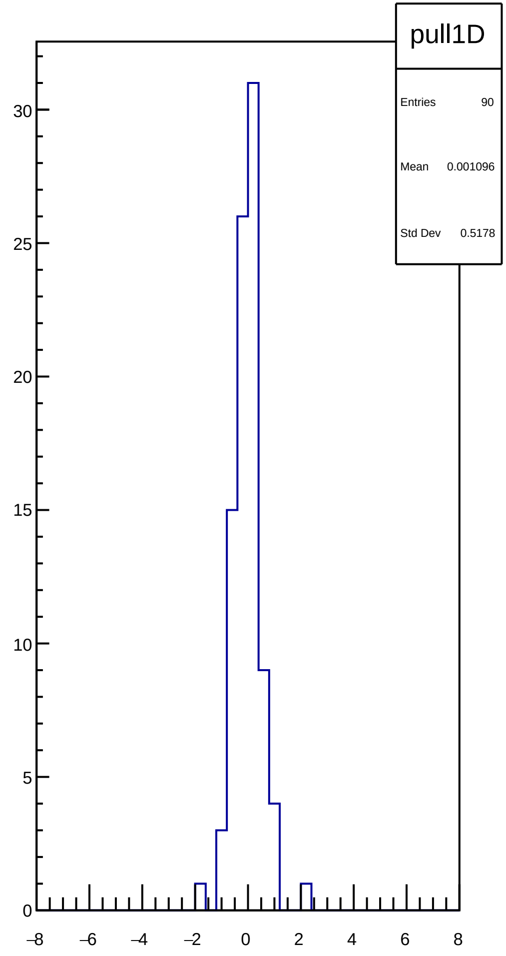


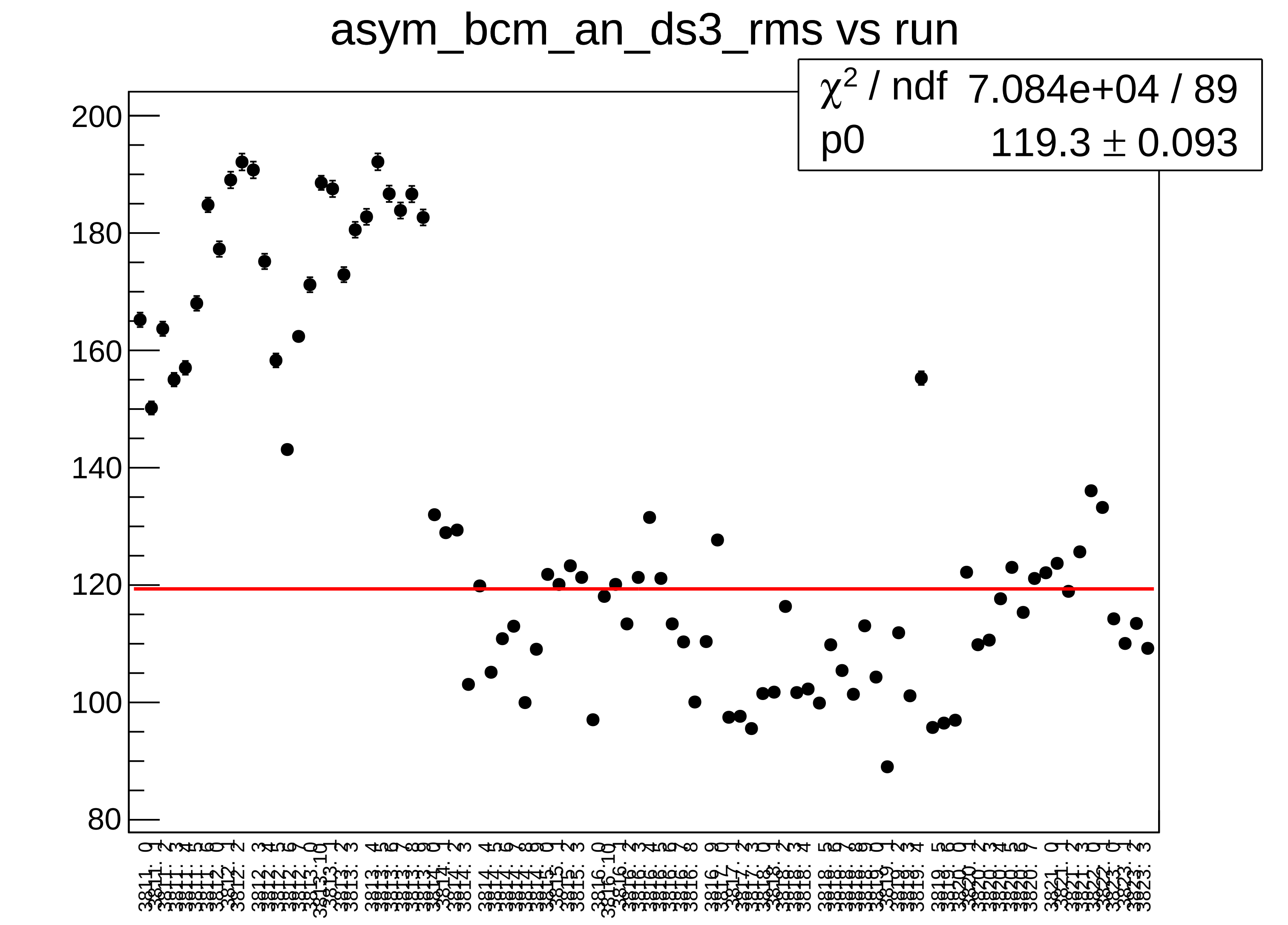
asym_bcm_an_ds_rms vs run
χ^2 / ndf 7.012e+04 / 89
p0 117.9 ± 0.09187
200
180
160
140
120
100
80

asym_bcm_an_ds3_mean vs run

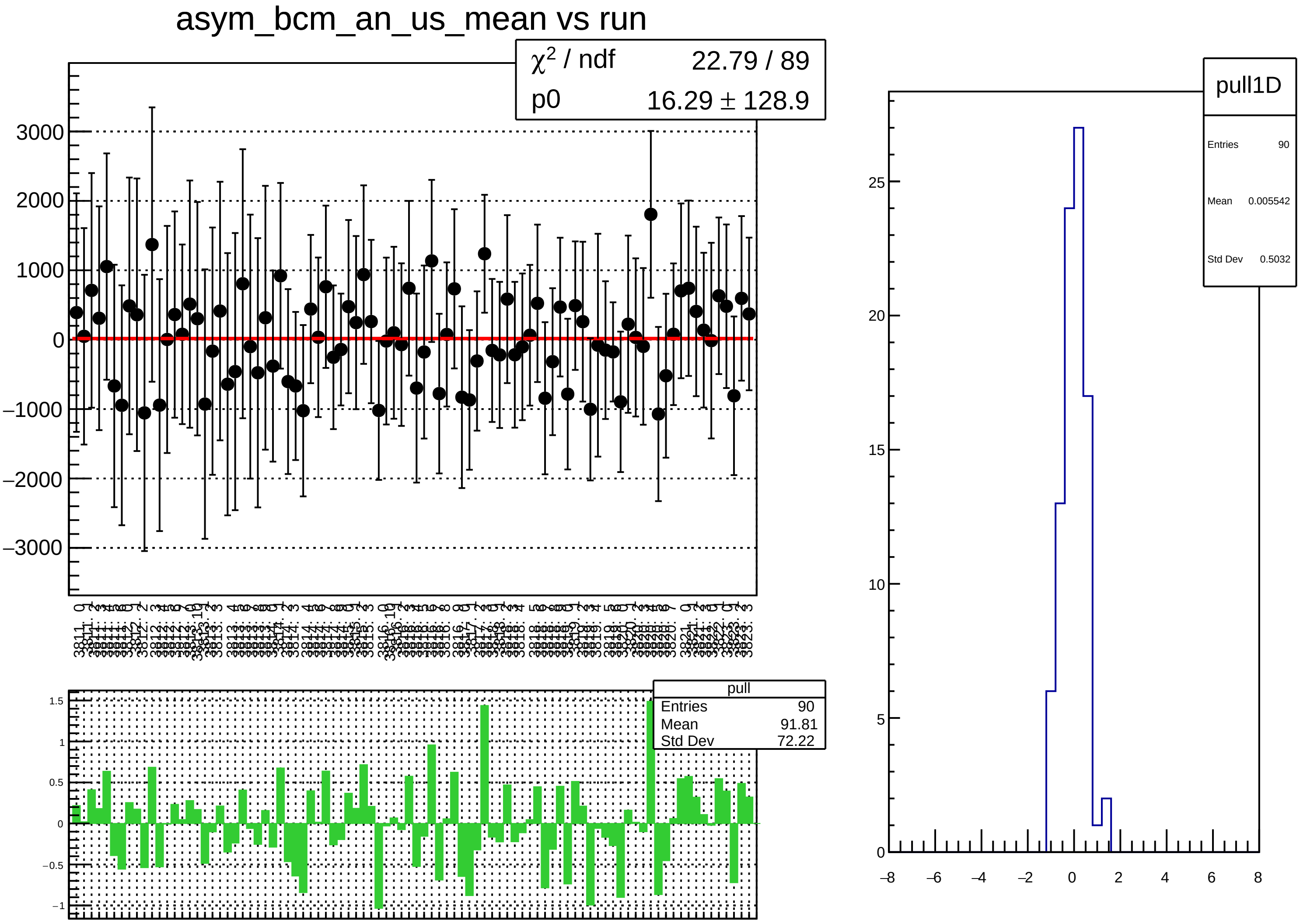


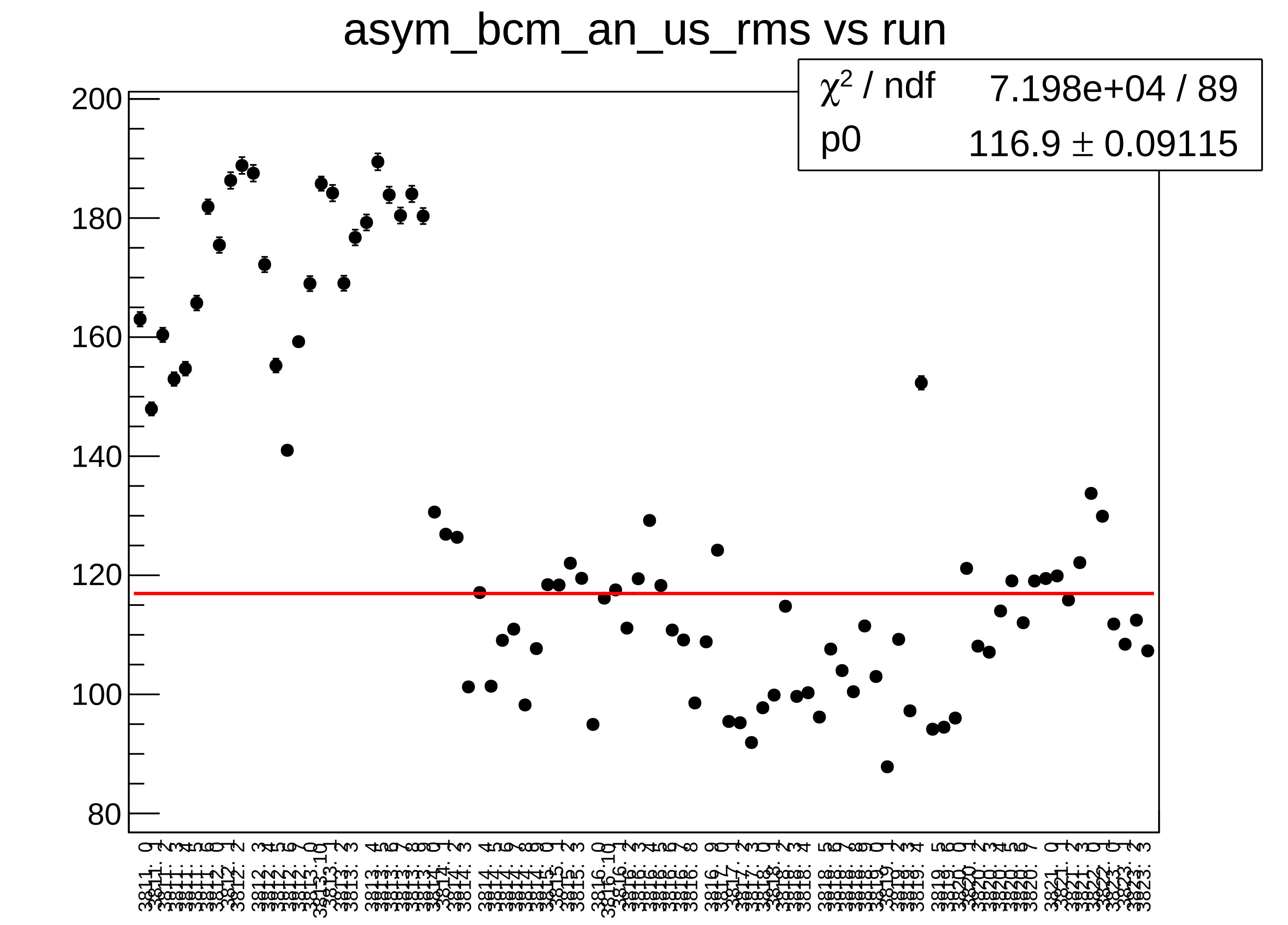


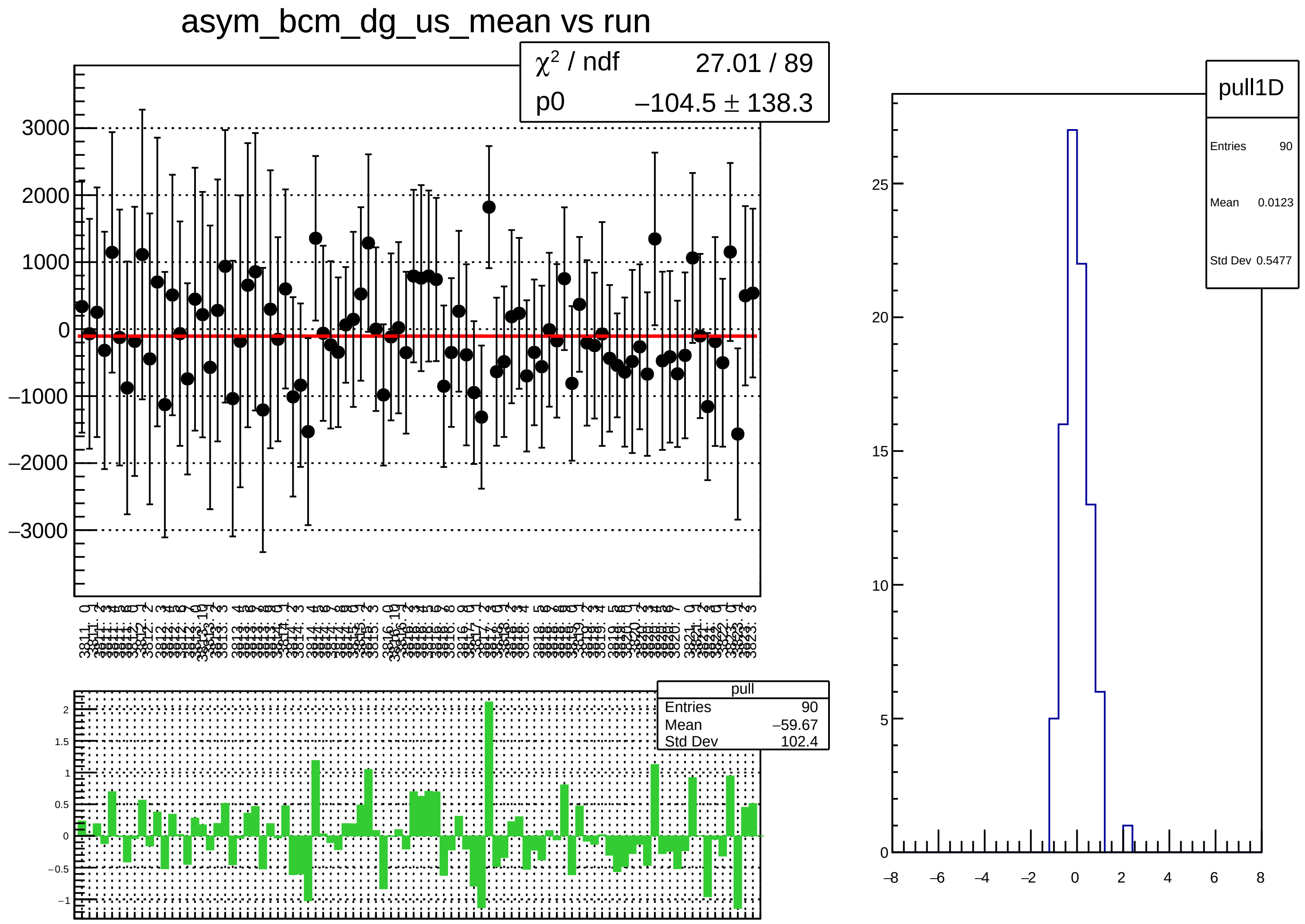




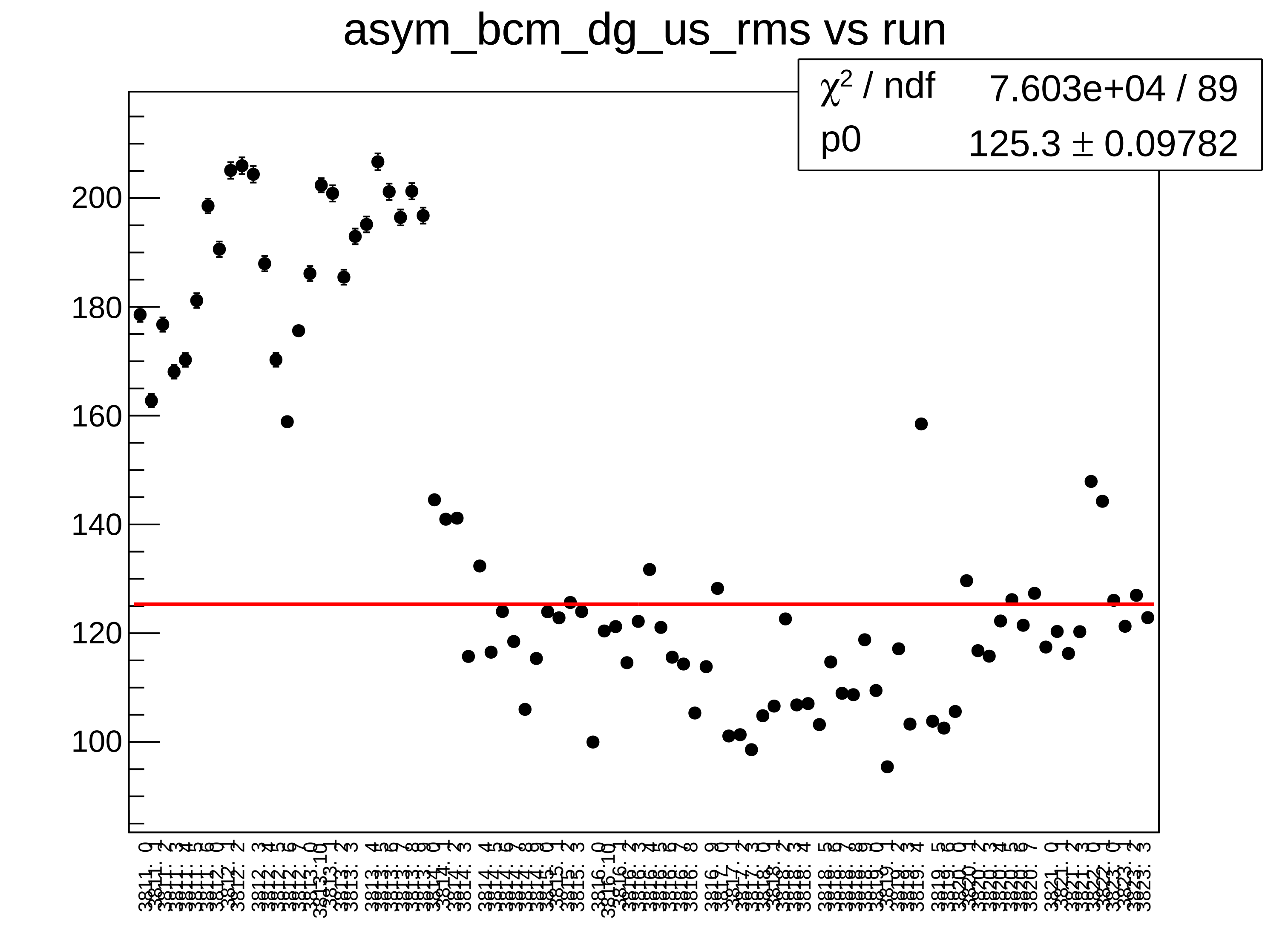
asym_bcm_an_ds3_rms vs run
χ^2 / ndf 7.084e+04 / 89
p0 119.3 ± 0.093
200
180
160
140
120
100
80


asym_bcm_an_us_mean vs run
χ2 / ndf 22.79 / 89
p0 16.29 ± 128.9
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 90
Mean 91.81
Std Dev 72.22
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 90
Mean 0.005542
Std Dev 0.5032
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

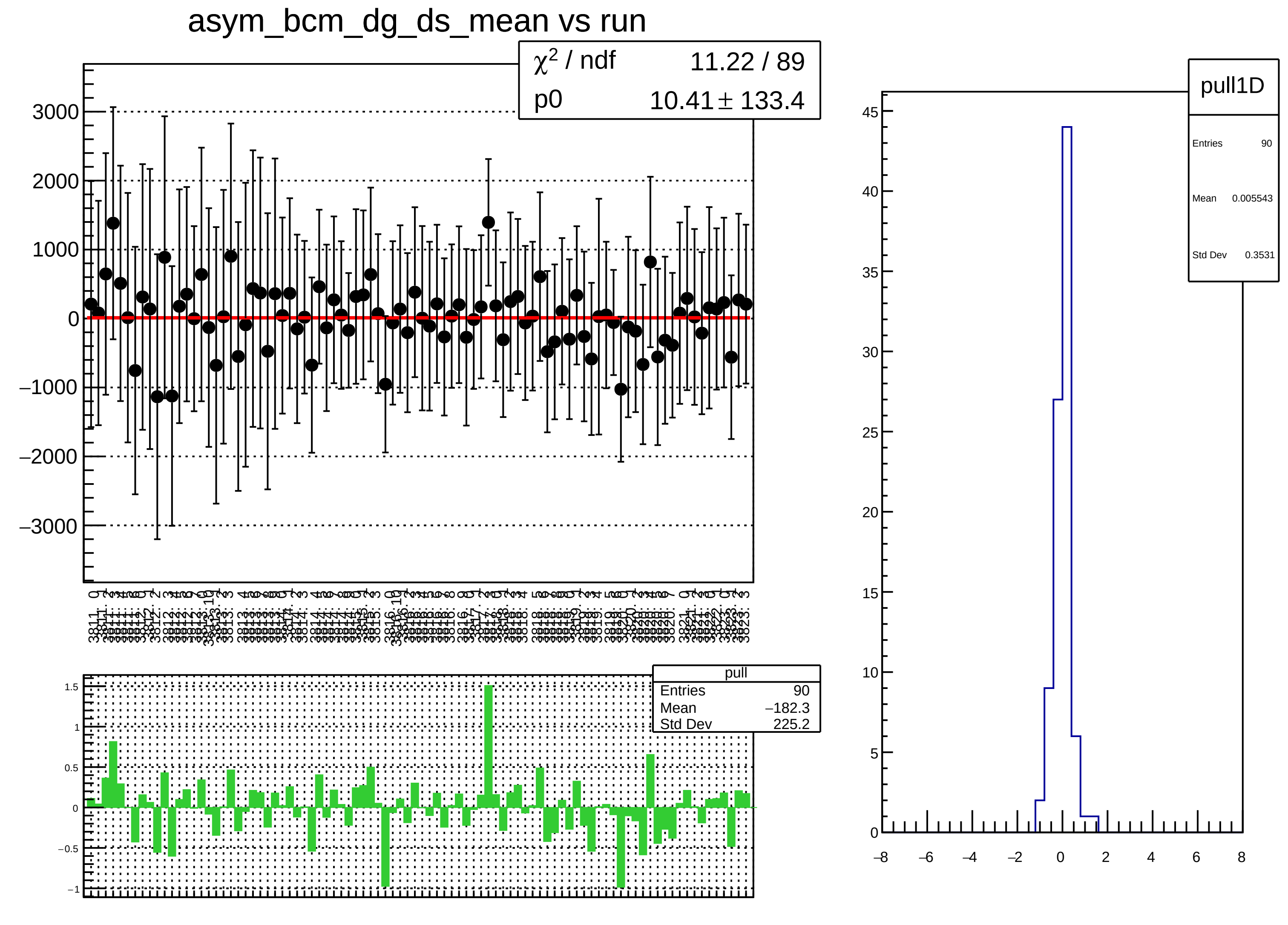

asym_bcm_an_us_rms vs run
χ² / ndf 7.198e+04 / 89
p0 116.9 ± 0.09115
200
180
160
140
120
100
80

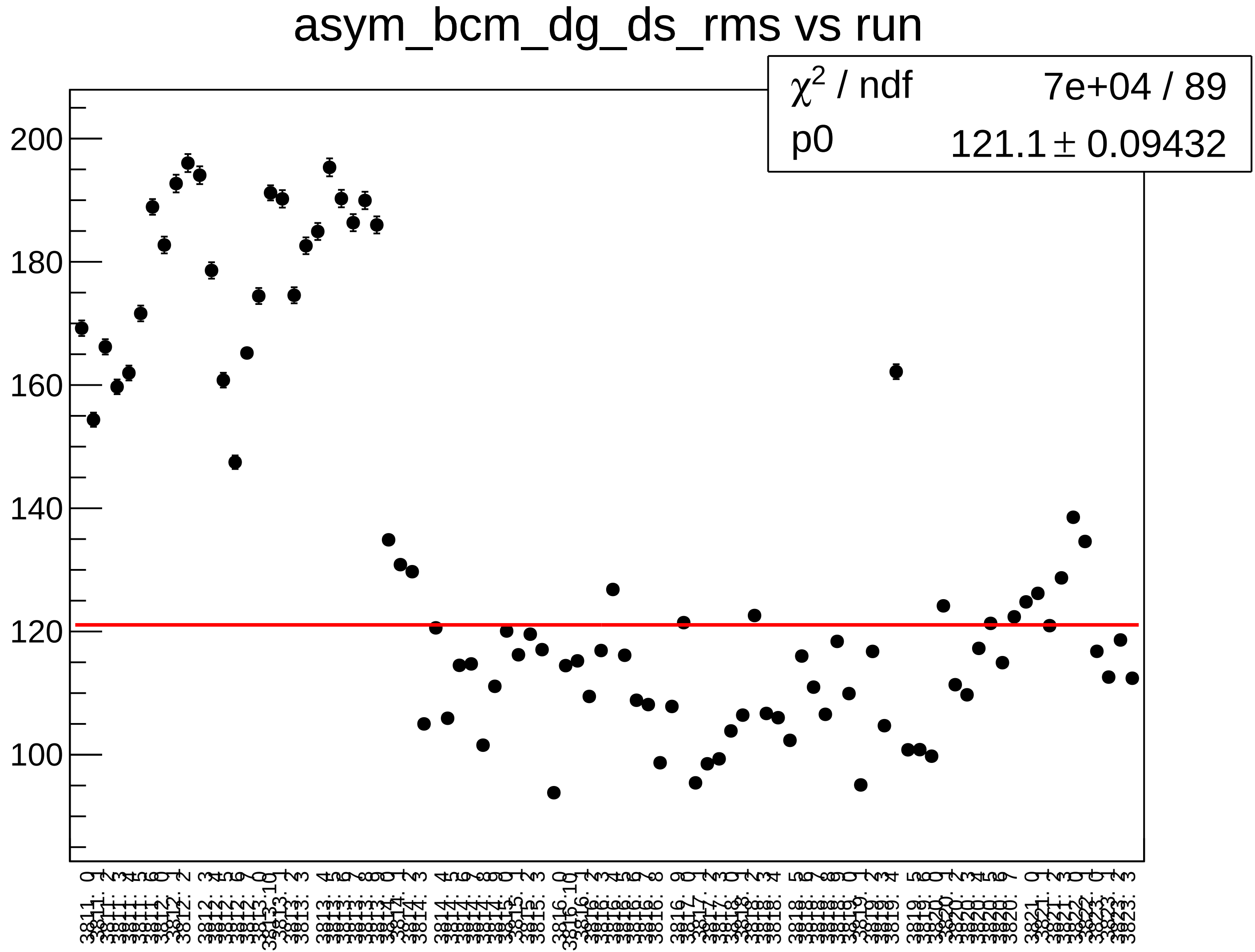


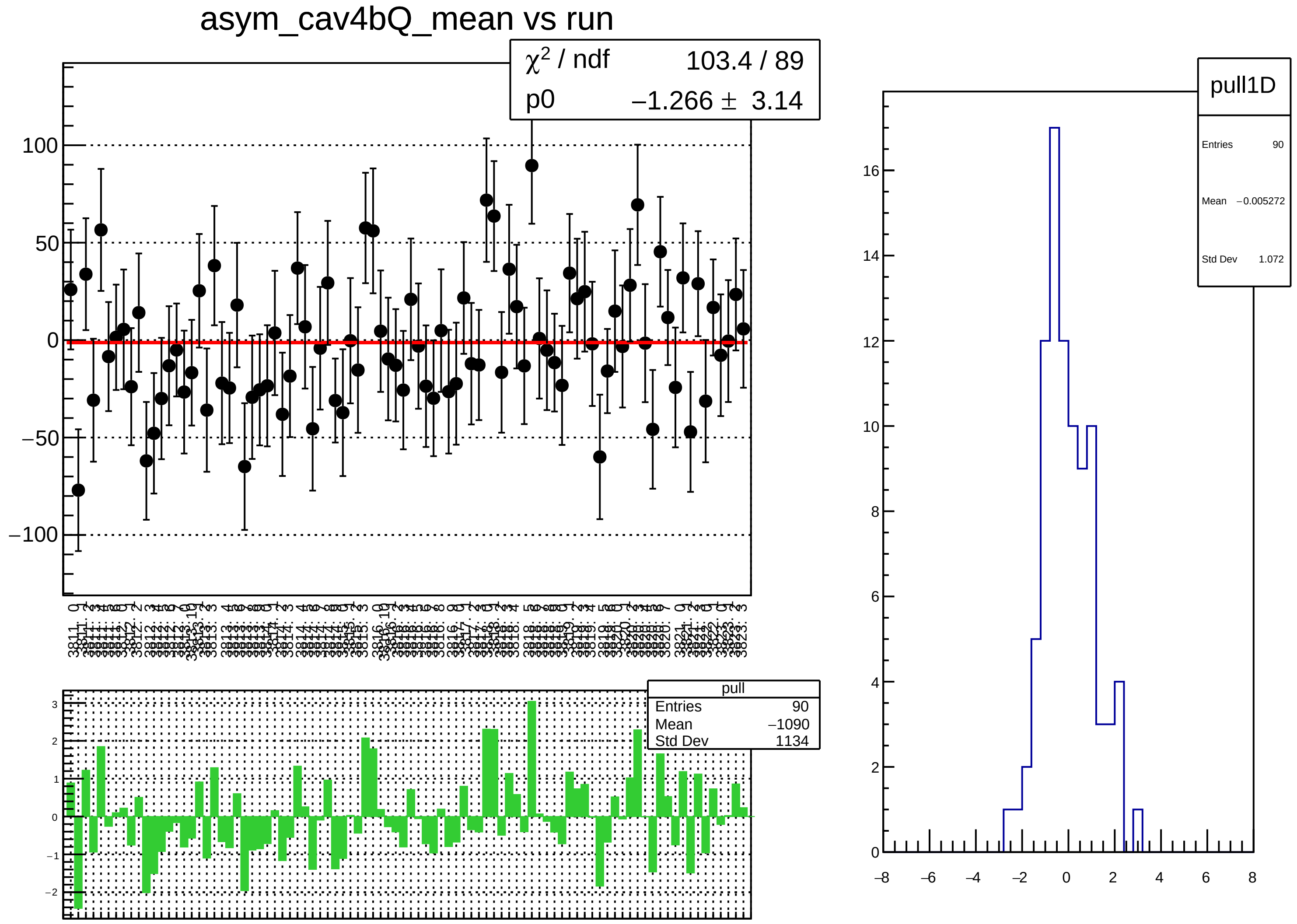
asym_bcm_dg_us_mean vs run
χ^2 / ndf 27.01 / 89
p0 −104.5 ± 138.3
pull
Entries 90
Mean −59.67
Std Dev 102.4
pull1D
Entries 90
Mean 0.0123
Std Dev 0.5477



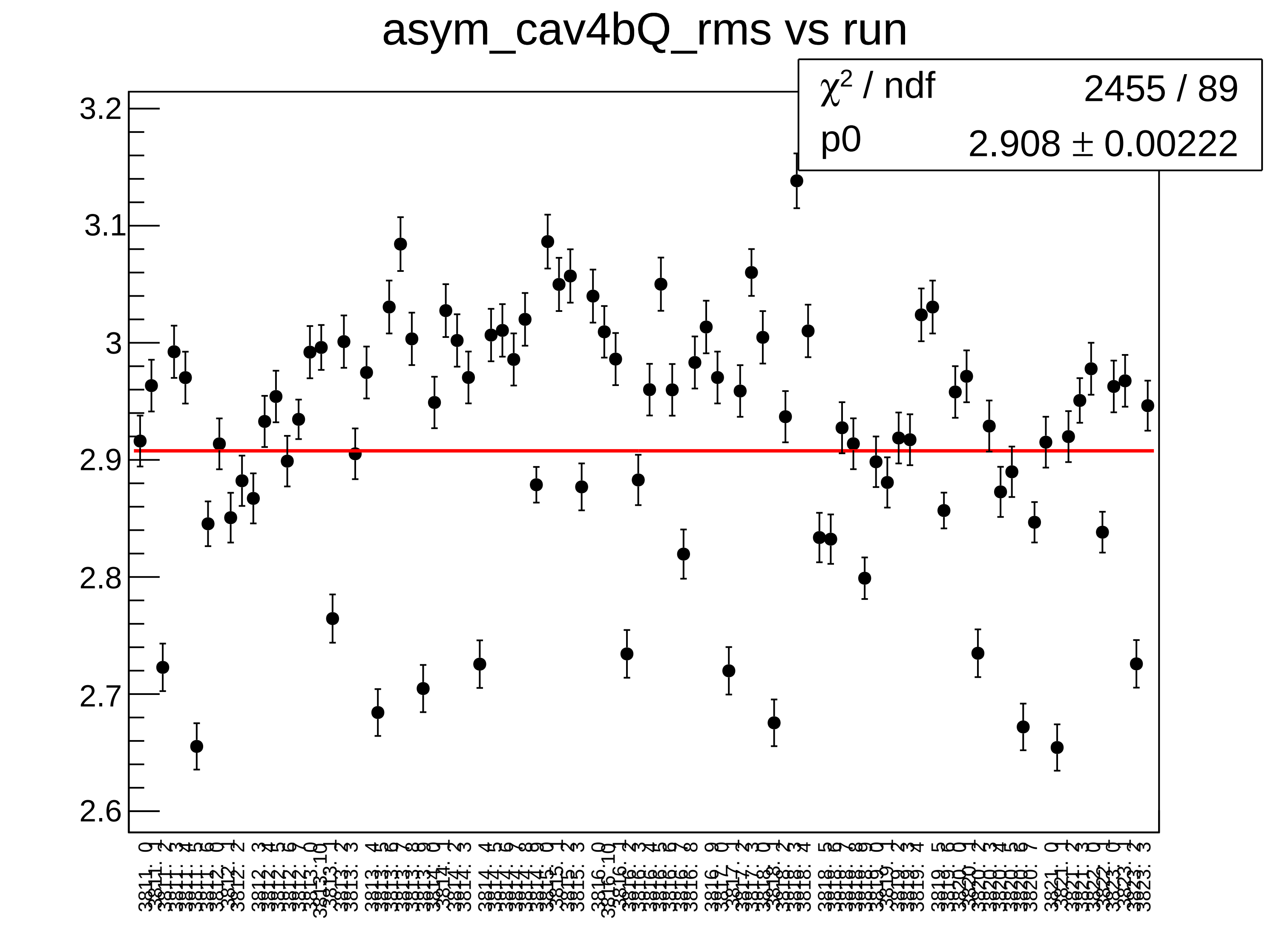
asym_bcm_dg_us_rms vs run
χ2 / ndf 7.603e+04 / 89
p0 125.3 ± 0.09782
200
180
160
140
120
100

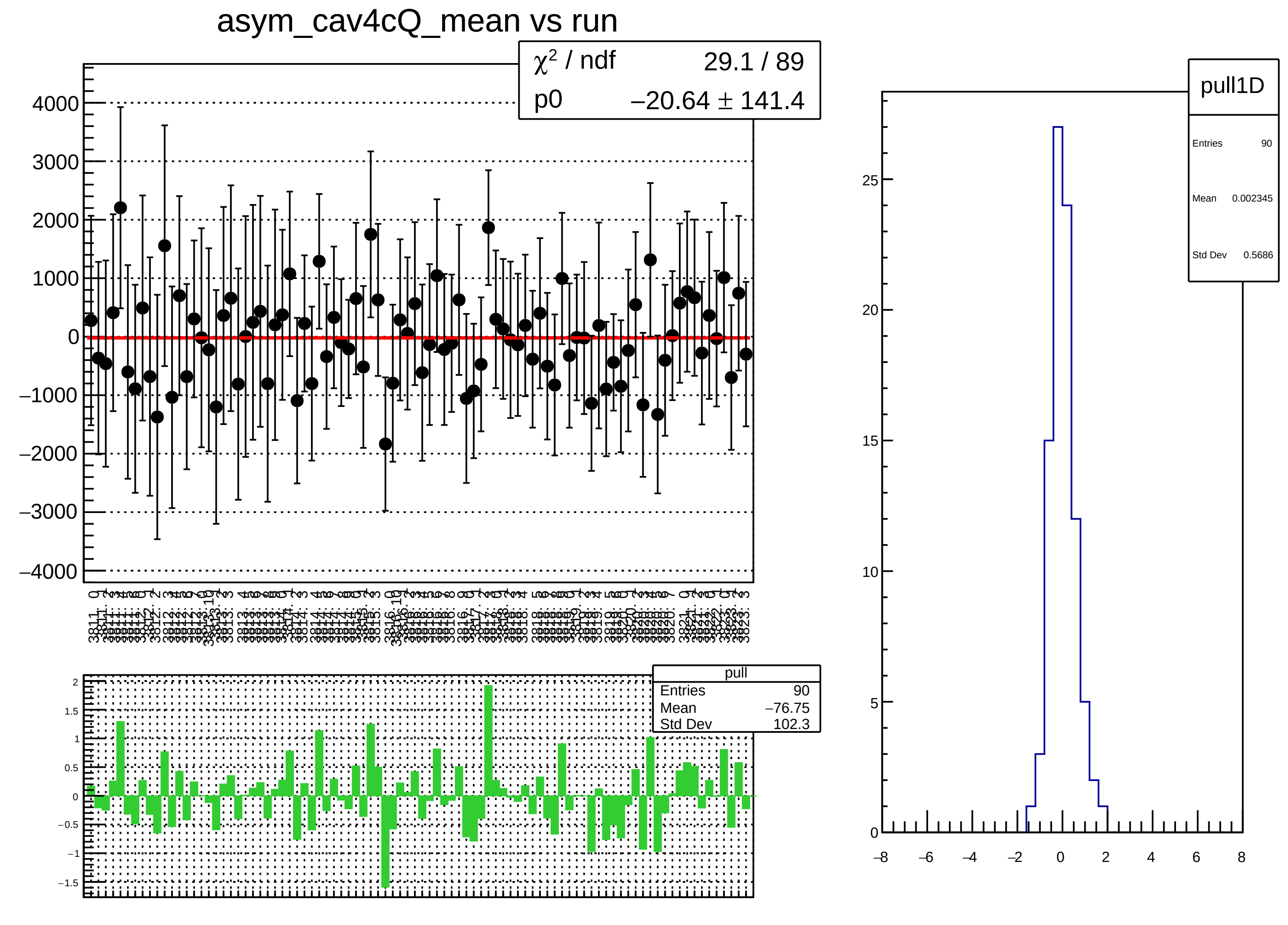

asym_bcm_dg_ds_mean vs run
χ^2 / ndf 11.22 / 89
p0 10.41 ± 133.4
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 90
Mean −182.3
Std Dev 225.2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 90
Mean 0.005543
Std Dev 0.3531
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_ds_rms vs run
χ^2 / ndf 7e+04 / 89
p0 121.1 ± 0.09432
200
180
160
140
120
100

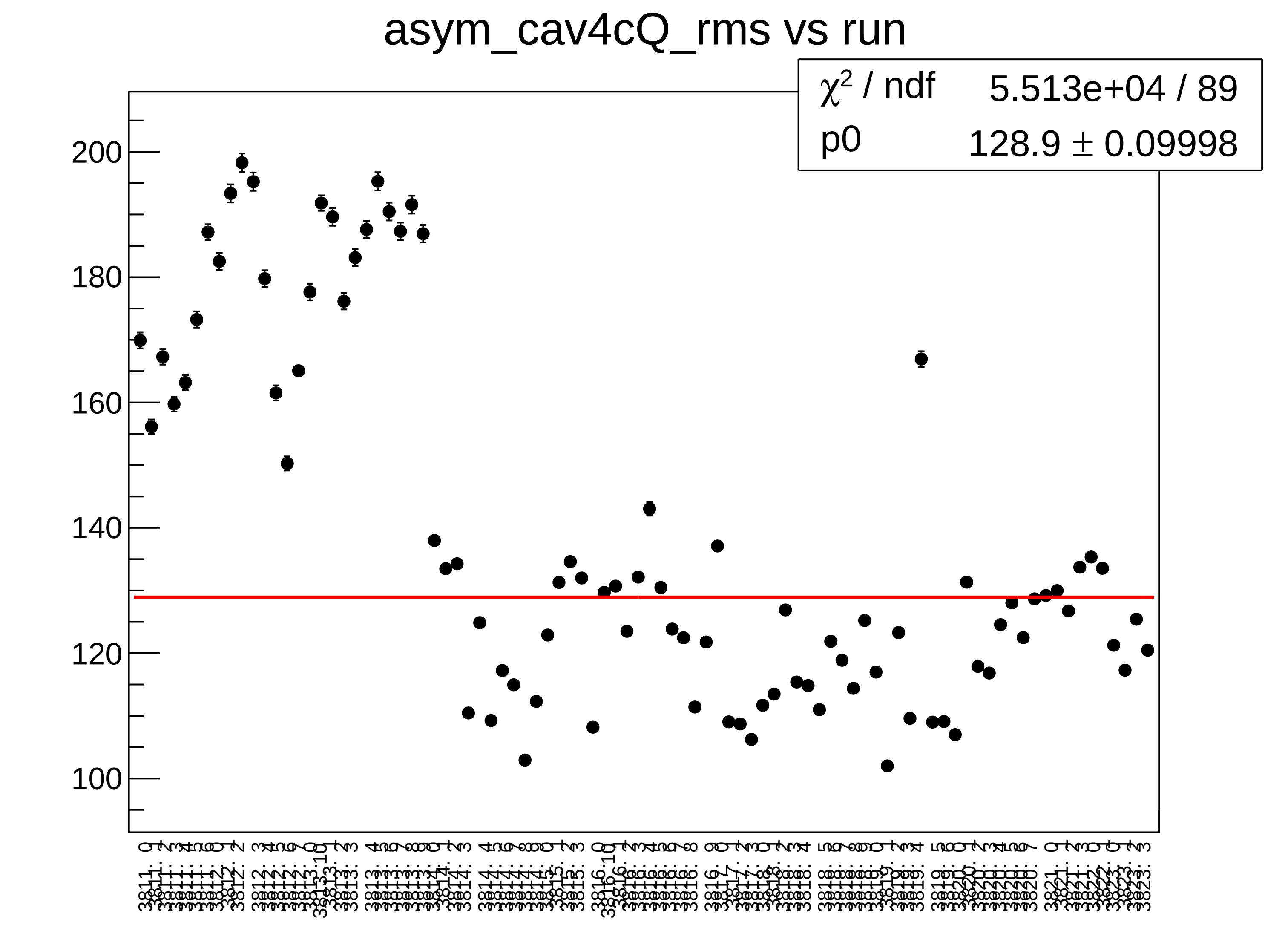


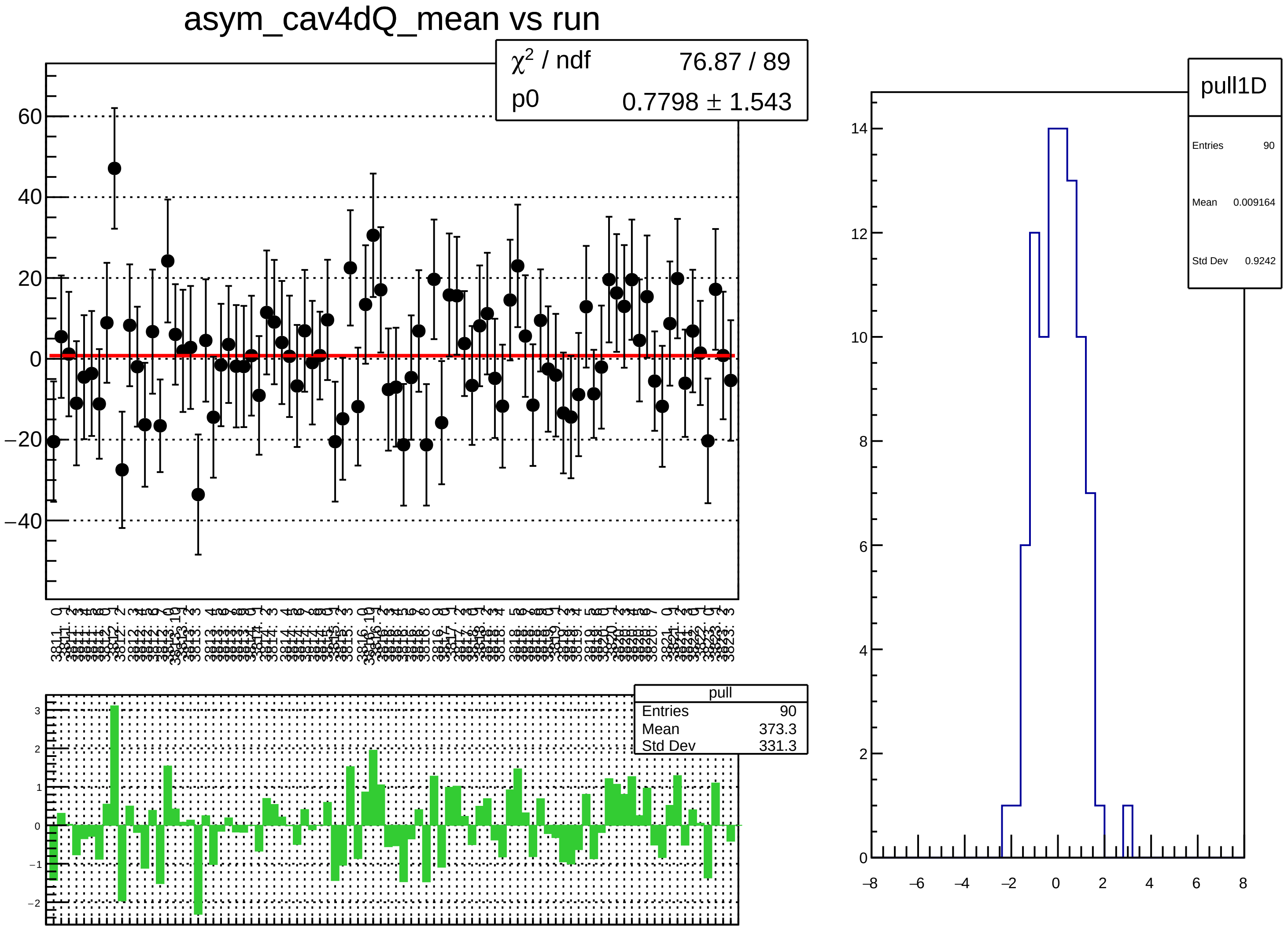
asym_cav4bQ_mean vs run
χ^2 / ndf 103.4 / 89
p0 −1.266 ± 3.14
pull
Entries 90
Mean −1090
Std Dev 1134
pull1D
Entries 90
Mean −0.005272
Std Dev 1.072


asym_cav4bQ_rms vs run
χ2 / ndf 2455 / 89
p0 2.908 ± 0.00222

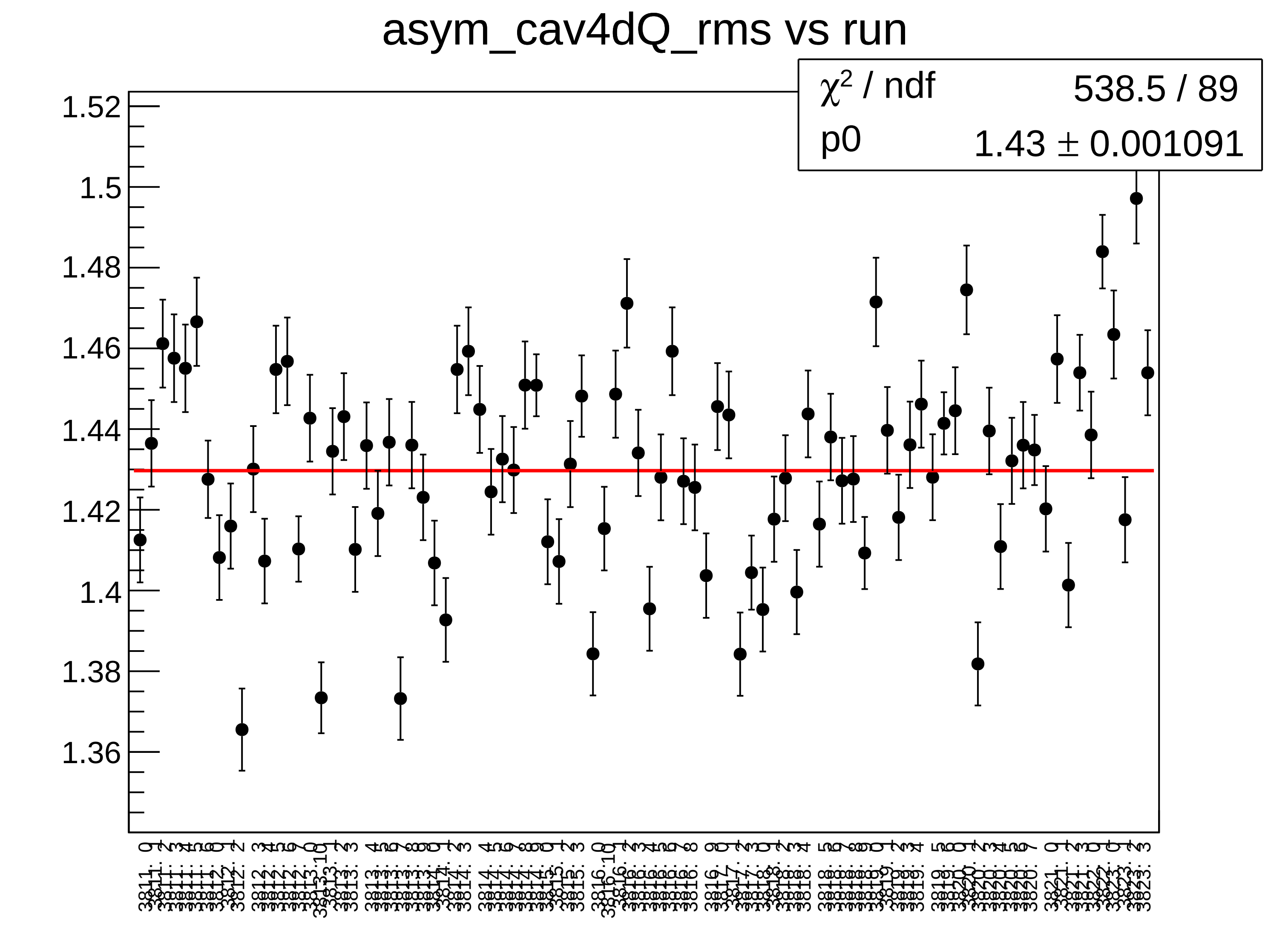


asym_cav4cQ_mean vs run
χ^2 / ndf 29.1 / 89
p0 −20.64 ± 141.4
pull
Entries 90
Mean −76.75
Std Dev 102.3
pull1D
Entries 90
Mean 0.002345
Std Dev 0.5686

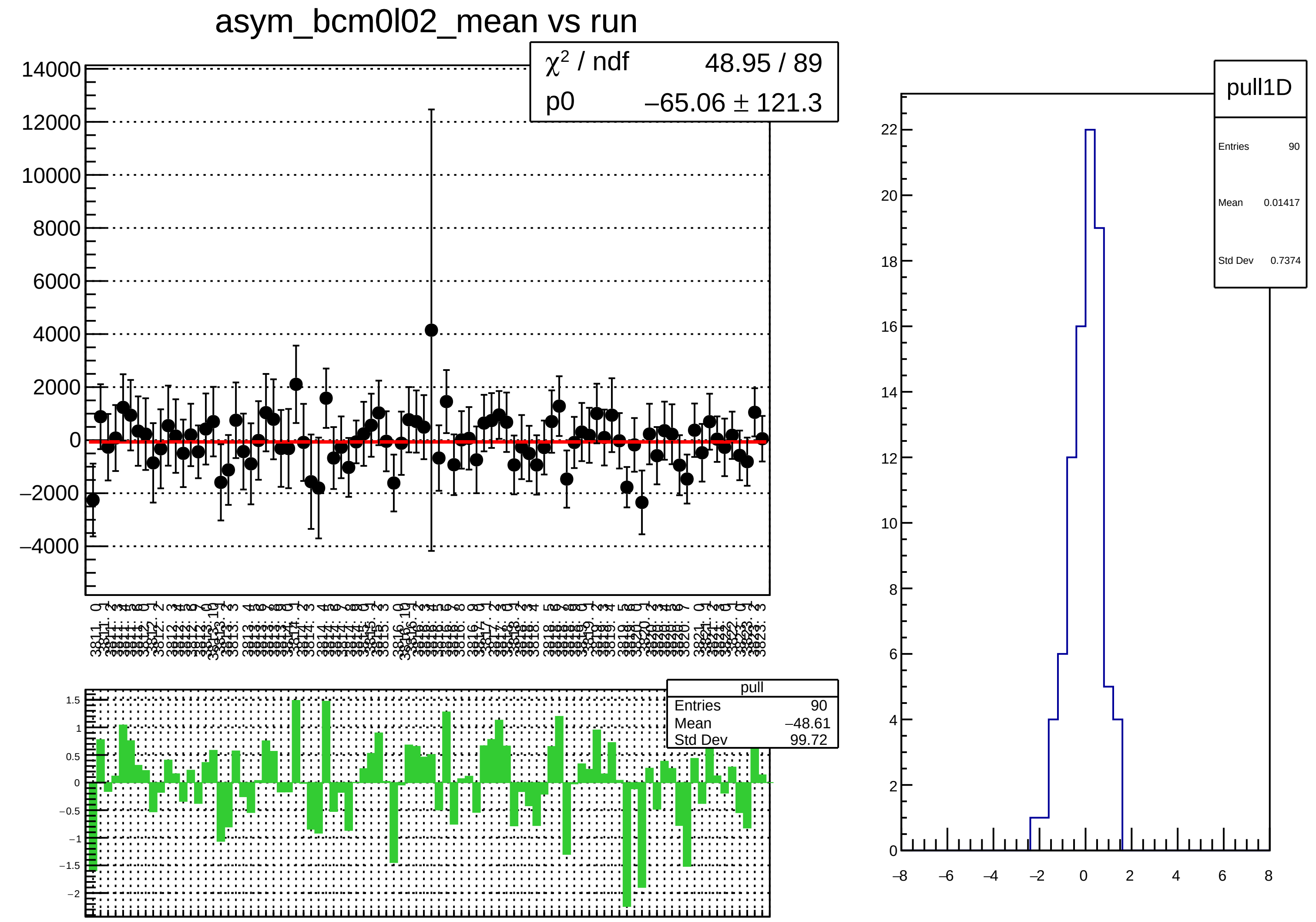

asym_cav4cQ_rms vs run
χ2 / ndf 5.513e+04 / 89
p0 128.9 ± 0.09998
200
180
160
140
120
100

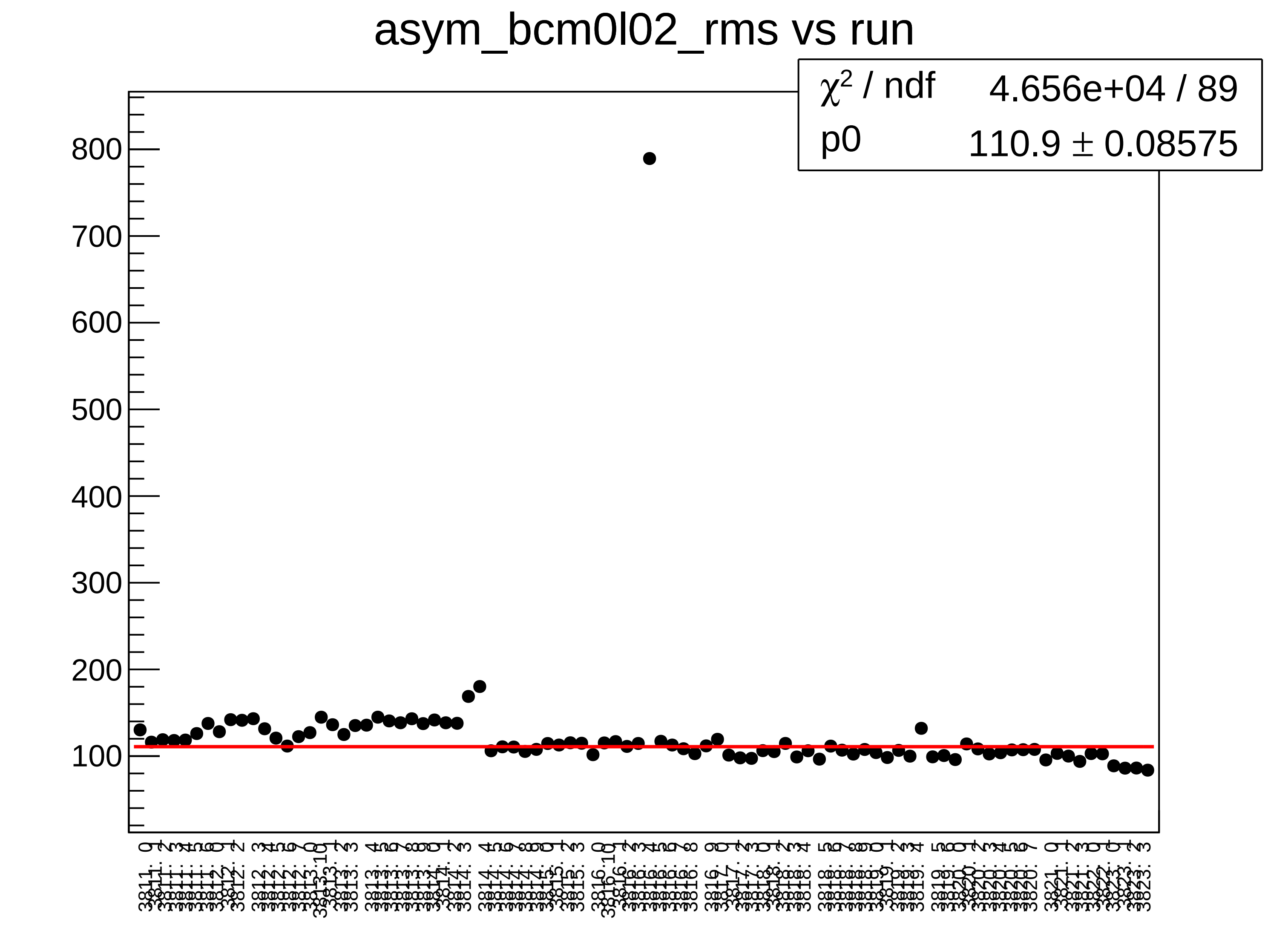


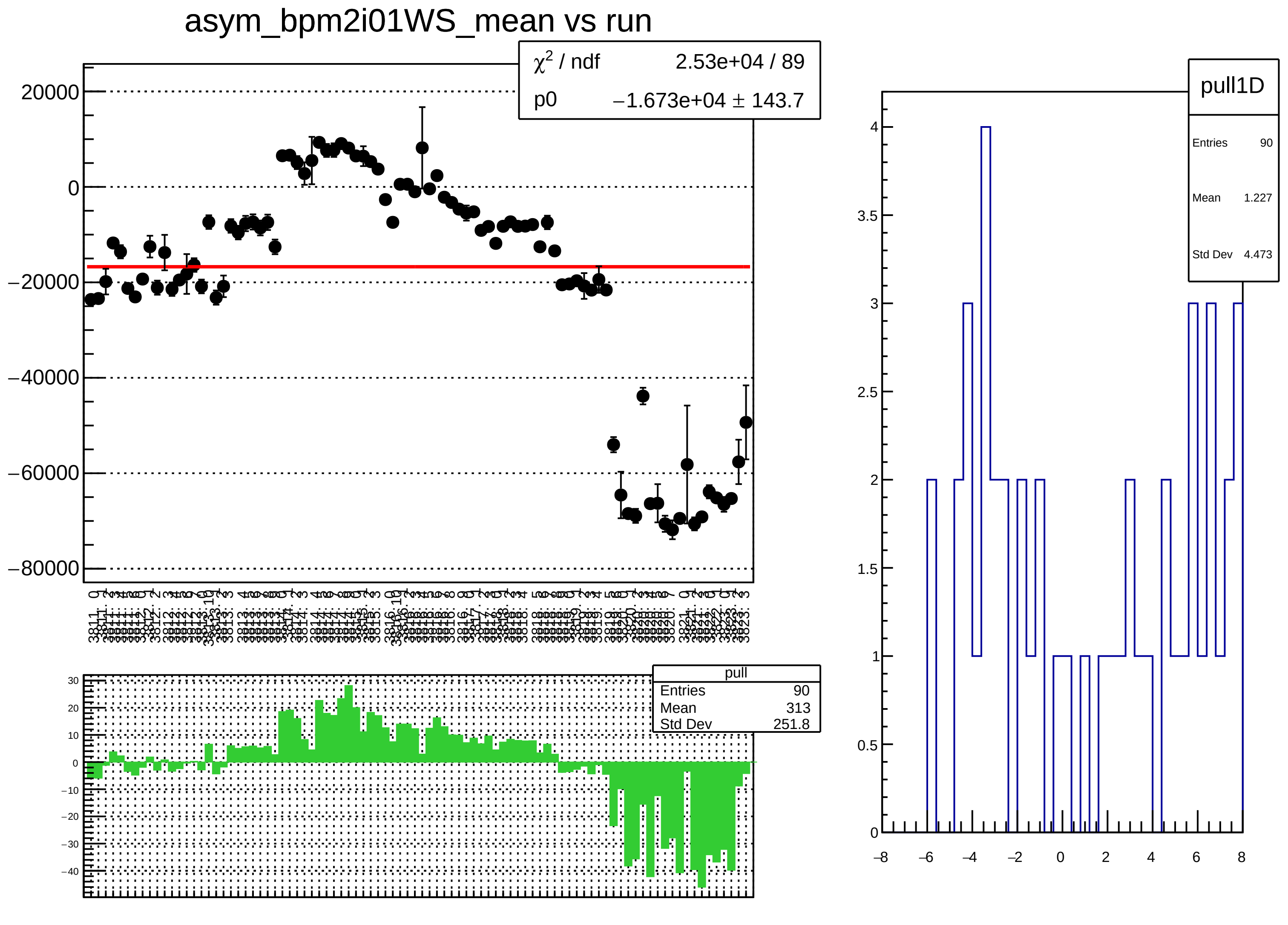
asym_cav4dQ_mean vs run
χ^2 / ndf 76.87 / 89
p0 0.7798 ± 1.543
pull
Entries 90
Mean 373.3
Std Dev 331.3
pull1D
Entries 90
Mean 0.009164
Std Dev 0.9242



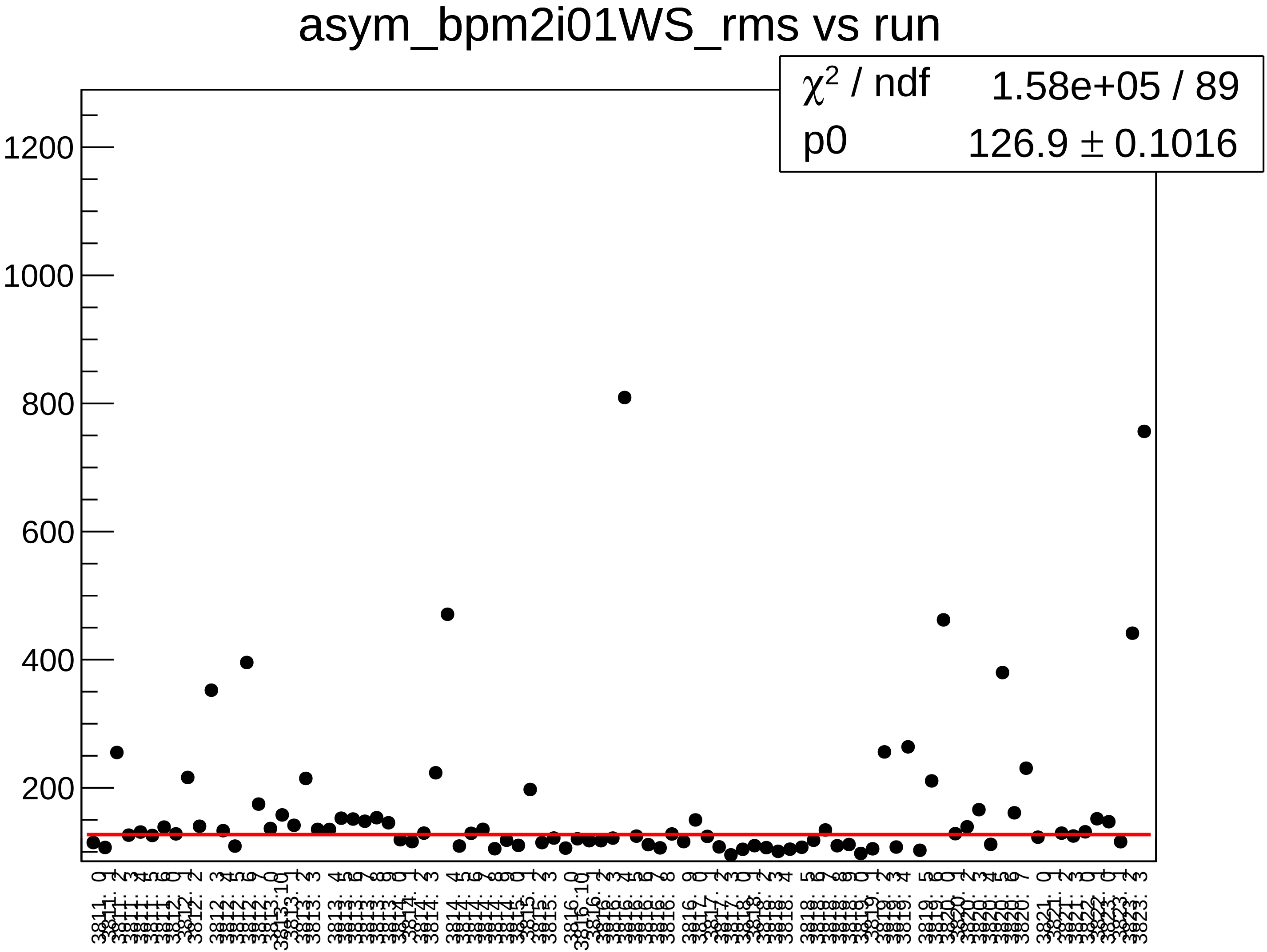
asym_cav4dQ_rms vs run
χ^2 / ndf 538.5 / 89
p0 1.43 ± 0.001091
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36


asym_bcm0l02_mean vs run
χ^2 / ndf 48.95 / 89
p0 −65.06 ± 121.3
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 90
Mean −48.61
Std Dev 99.72
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 90
Mean 0.01417
Std Dev 0.7374
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

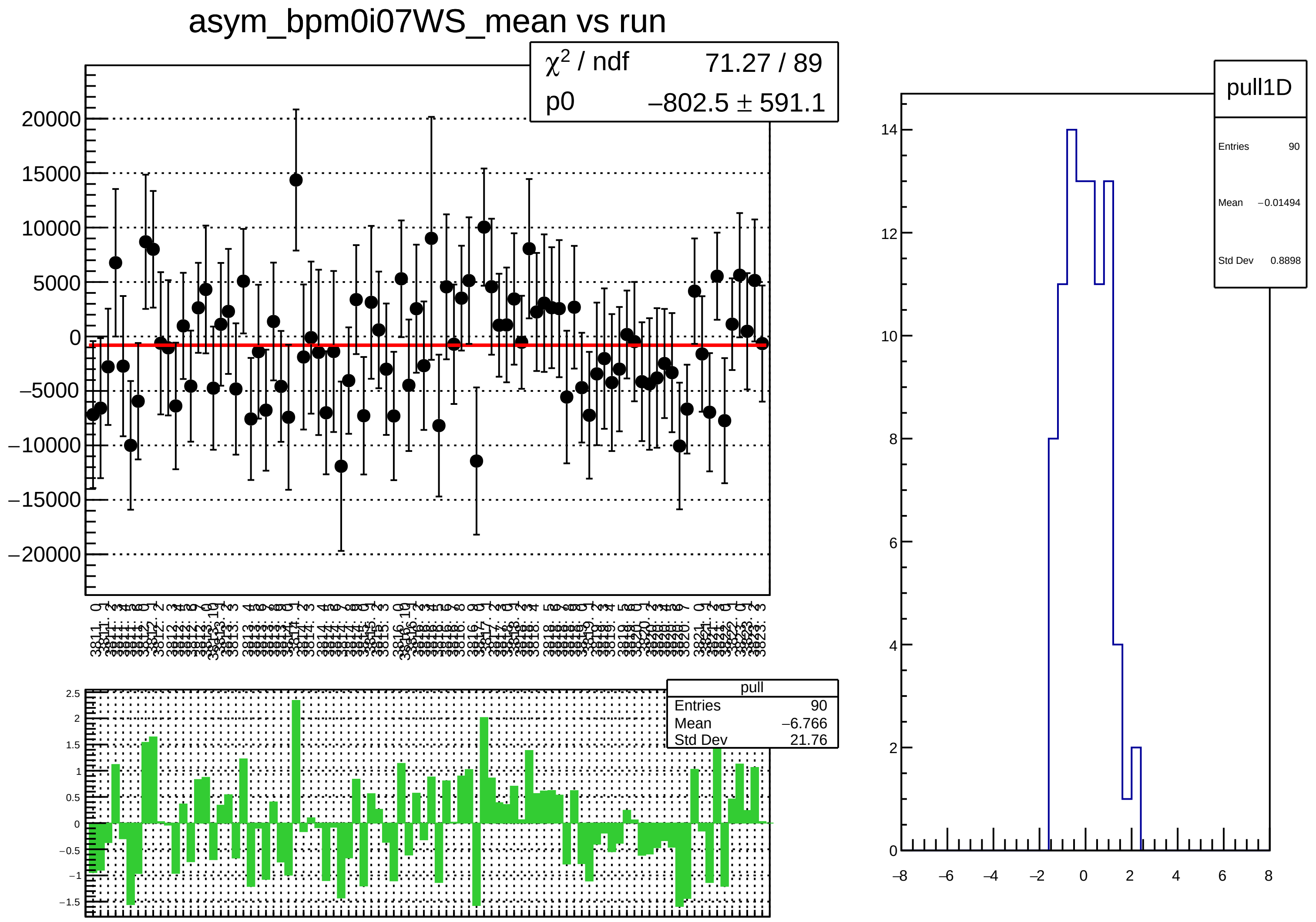

asym_bcm0l02_rms vs run
χ^2 / ndf 4.656e+04 / 89
p0 110.9 ± 0.08575
800
700
600
500
400
300
200
100



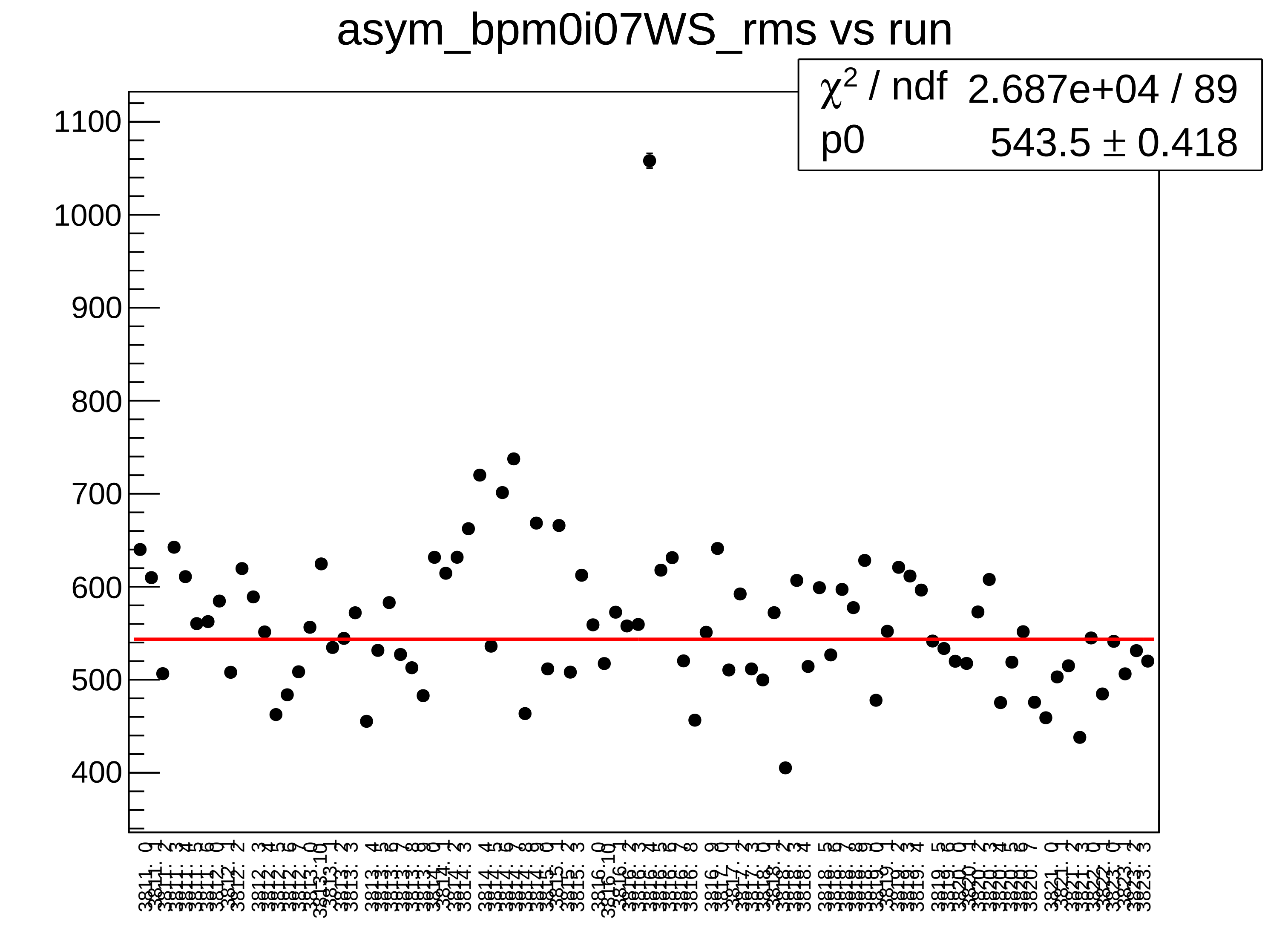
asym_bpm2i01WS_mean vs run
χ^2 / ndf 2.53e+04 / 89
p0 −1.673e+04 ± 143.7
pull
Entries 90
Mean 313
Std Dev 251.8
pull1D
Entries 90
Mean 1.227
Std Dev 4.473



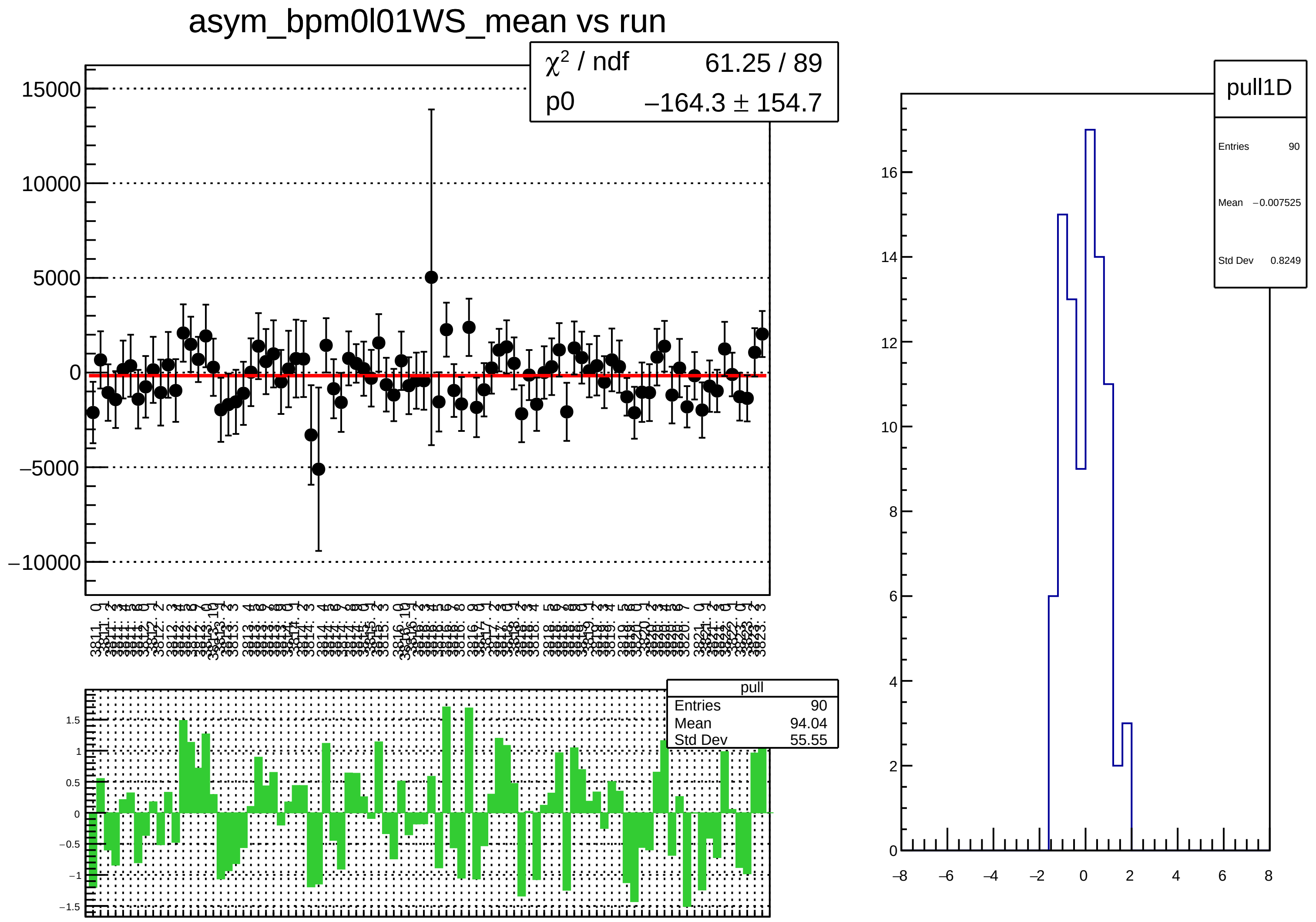
asym_bpm2i01WS_rms vs run
χ^2 / ndf 1.58e+05 / 89
p0 126.9 ± 0.1016
1200
1000
800
600
400
200



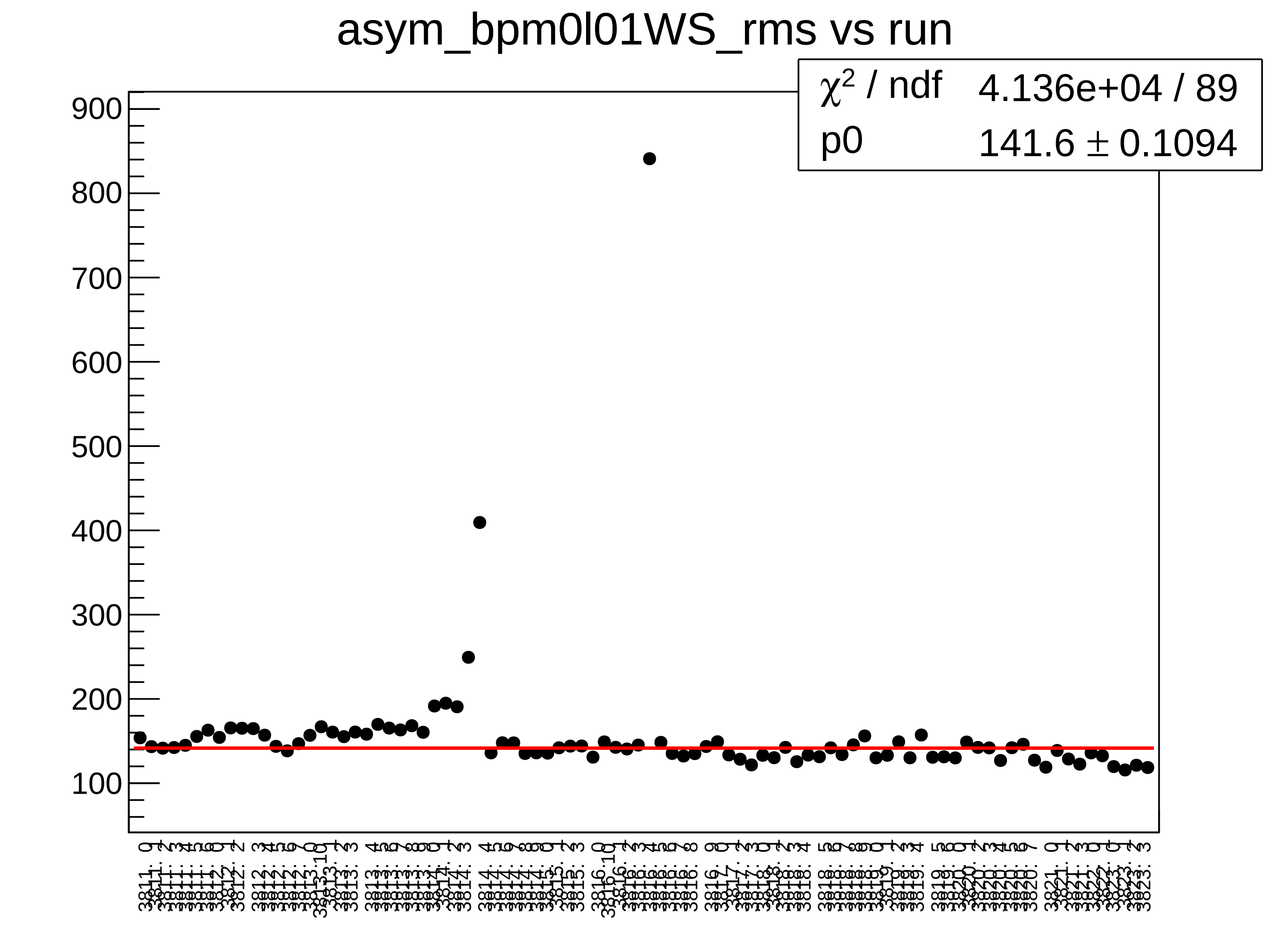
asym_bpm0i07WS_mean vs run
χ^2 / ndf 71.27 / 89
p0 −802.5 ± 591.1
pull
Entries 90
Mean −6.766
Std Dev 21.76
pull1D
Entries 90
Mean −0.01494
Std Dev 0.8898

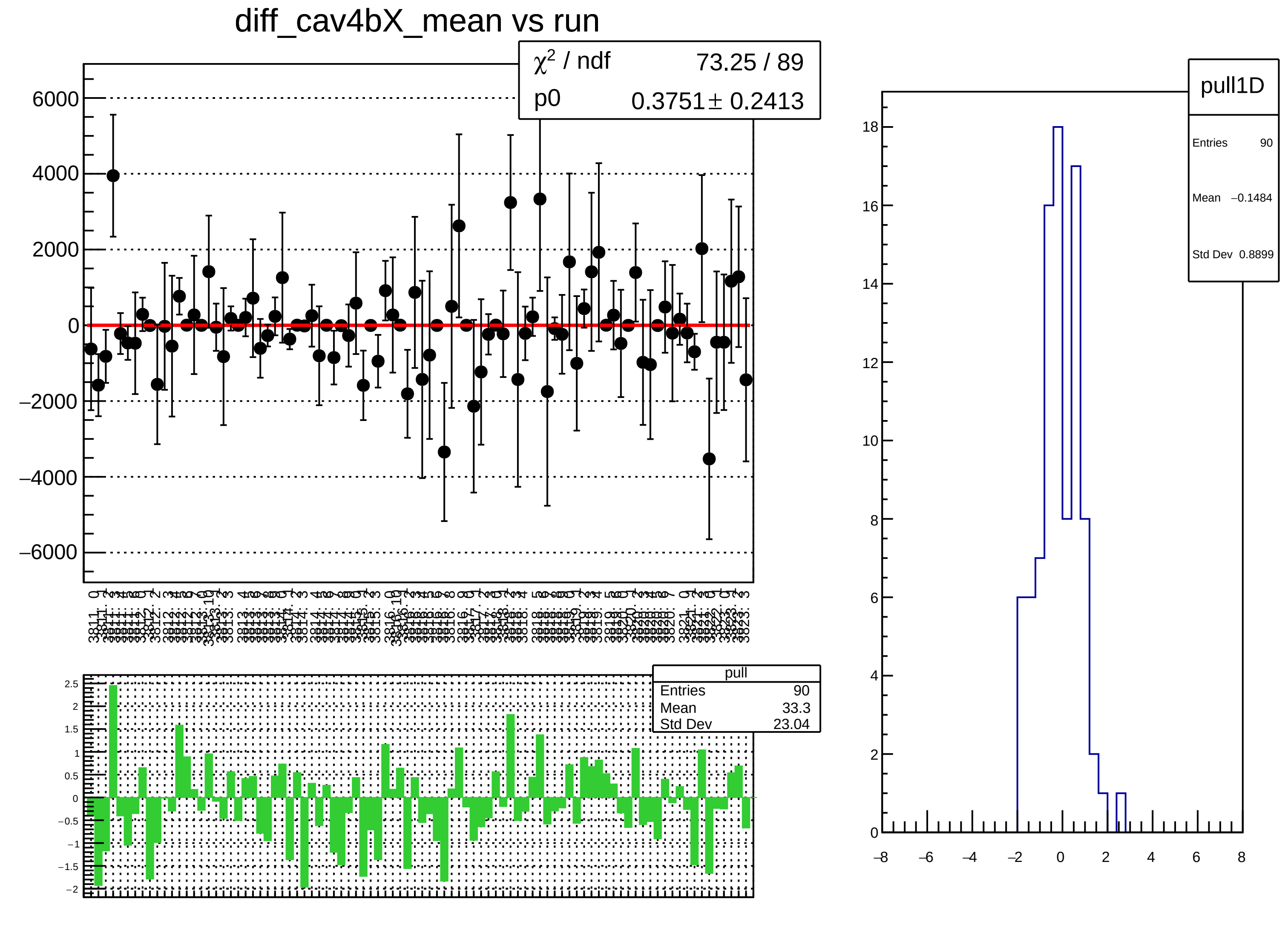


asym_bpm0i07WS_rms vs run
χ^2 / ndf 2.687e+04 / 89
p0 543.5 ± 0.418
1100
1000
900
800
700
600
500
400

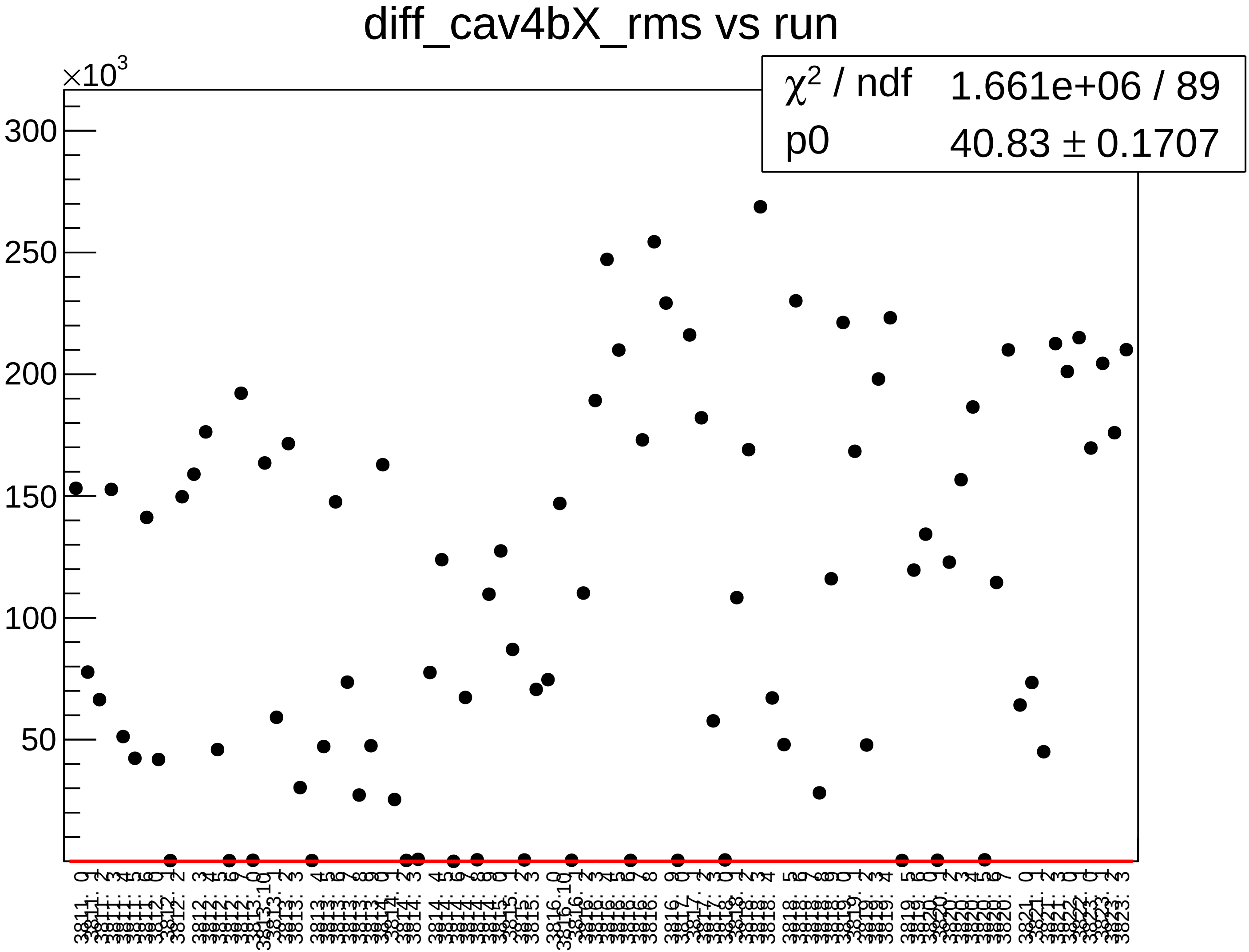


asym_bpm0l01WS_mean vs run
χ^2 / ndf 61.25 / 89
p0 −164.3 ± 154.7
15000
10000
5000
0
−5000
−10000
pull
Entries 90
Mean 94.04
Std Dev 55.55
pull1D
Entries 90
Mean −0.007525
Std Dev 0.8249

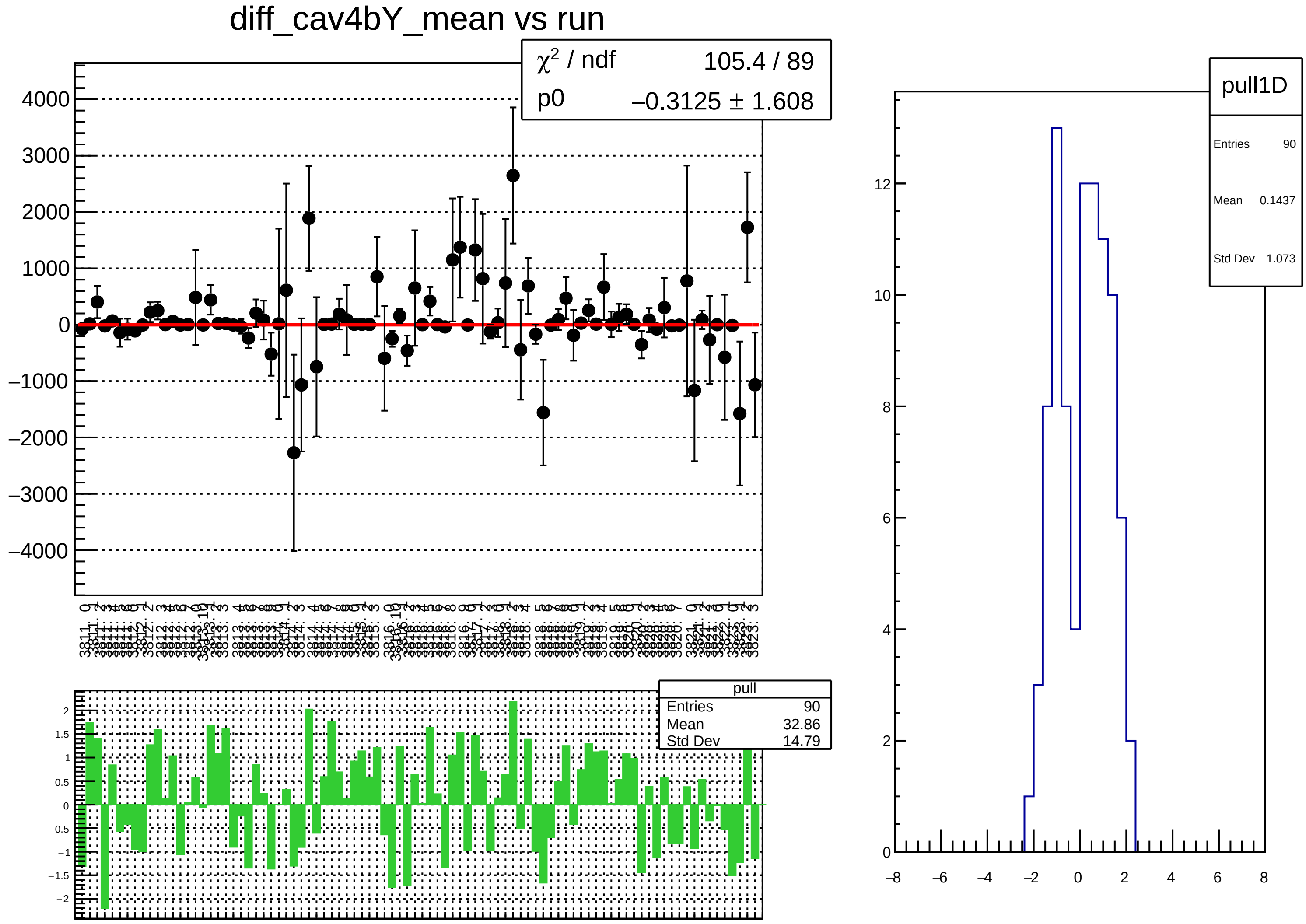

asym_bpm0l01WS_rms vs run
χ^2 / ndf 4.136e+04 / 89
p0 141.6 ± 0.1094
900
800
700
600
500
400
300
200
100

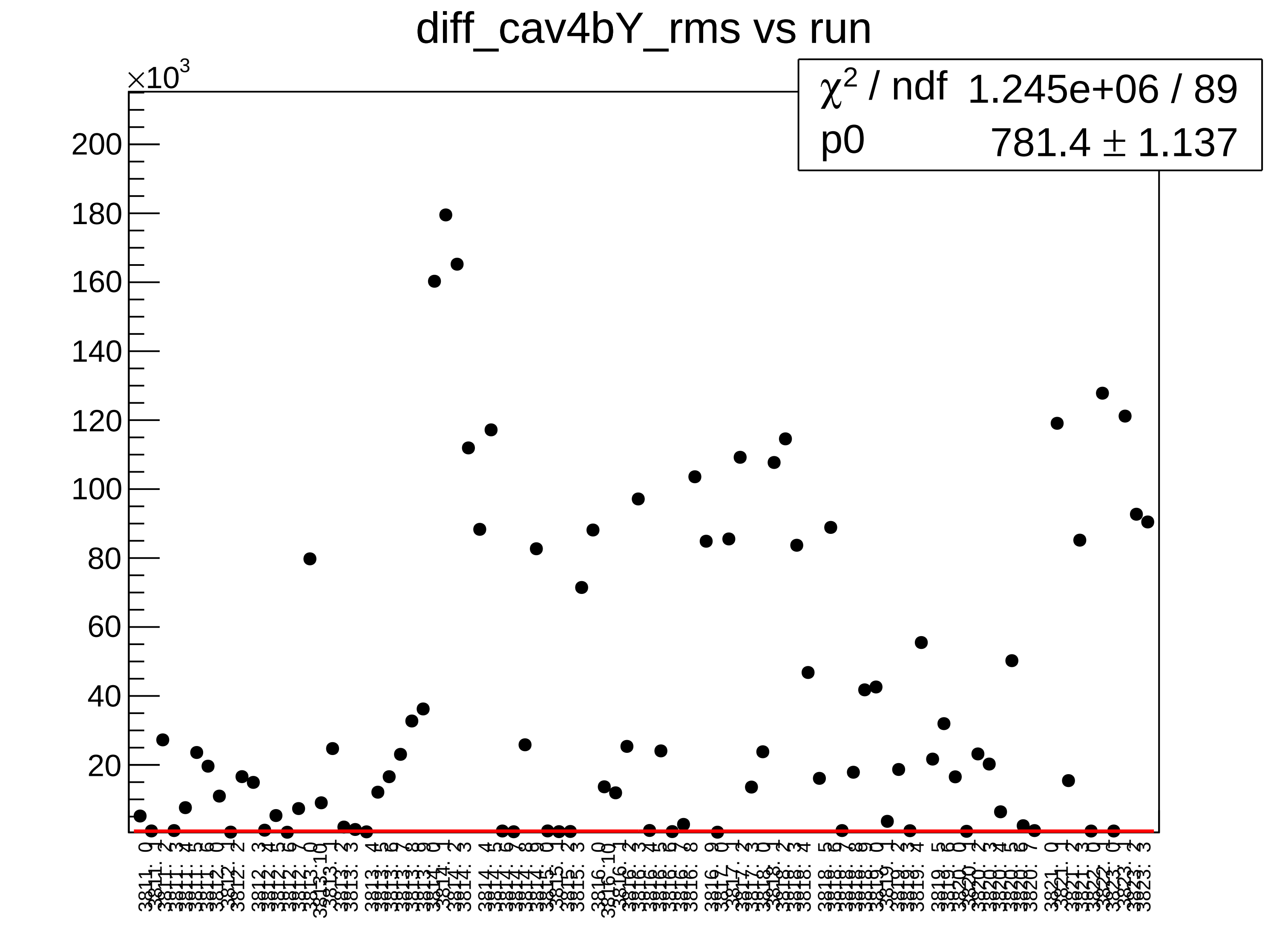


diff_cav4bX_mean vs run
χ^2 / ndf 73.25 / 89
p0 0.3751 ± 0.2413
pull
Entries 90
Mean 33.3
Std Dev 23.04
pull1D
Entries 90
Mean −0.1484
Std Dev 0.8899

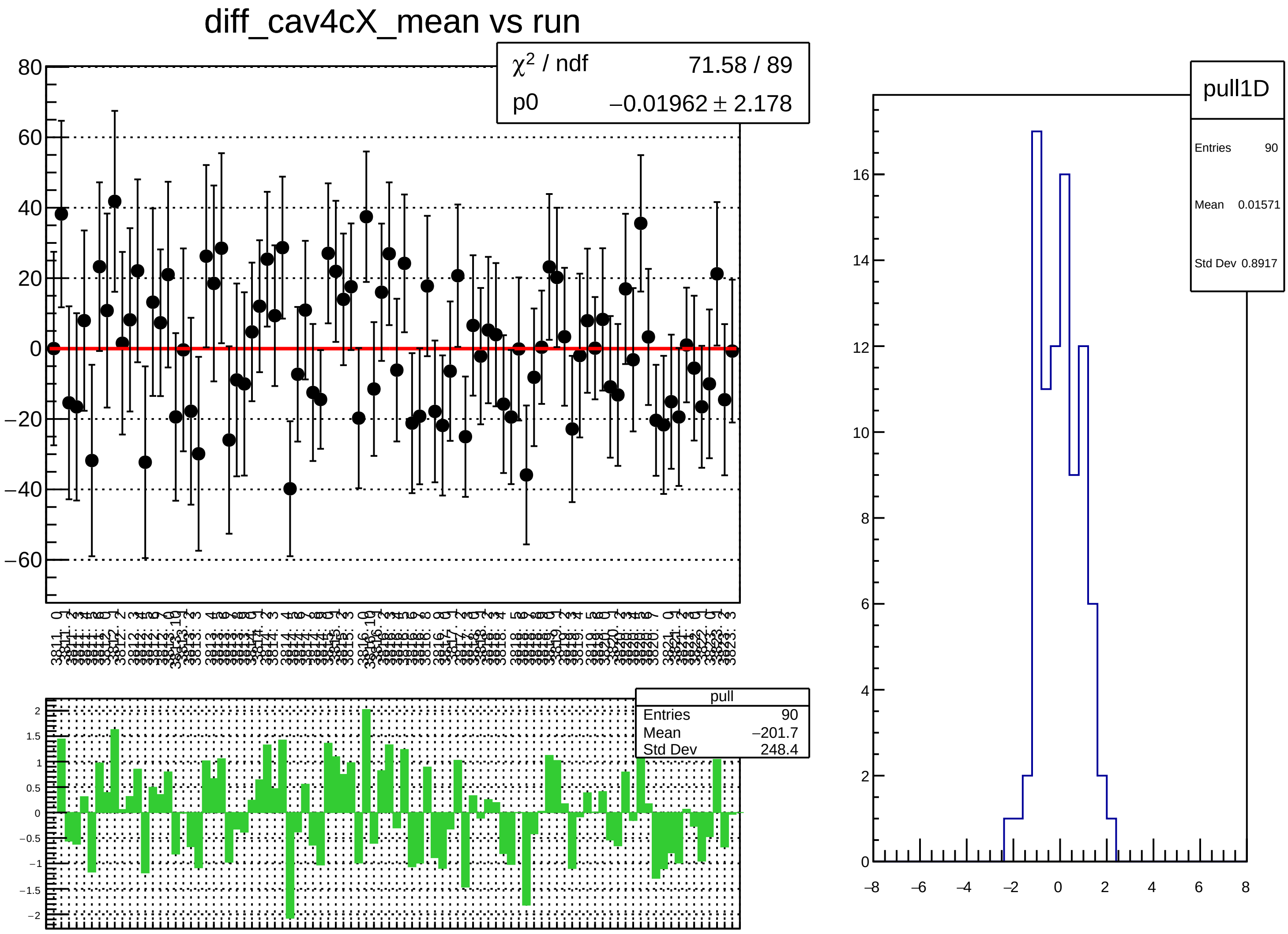


diff_cav4bX_rms vs run
$\times 10^3$
χ^2 / ndf 1.661e+06 / 89
p0 40.83 ± 0.1707
300
250
200
150
100
50

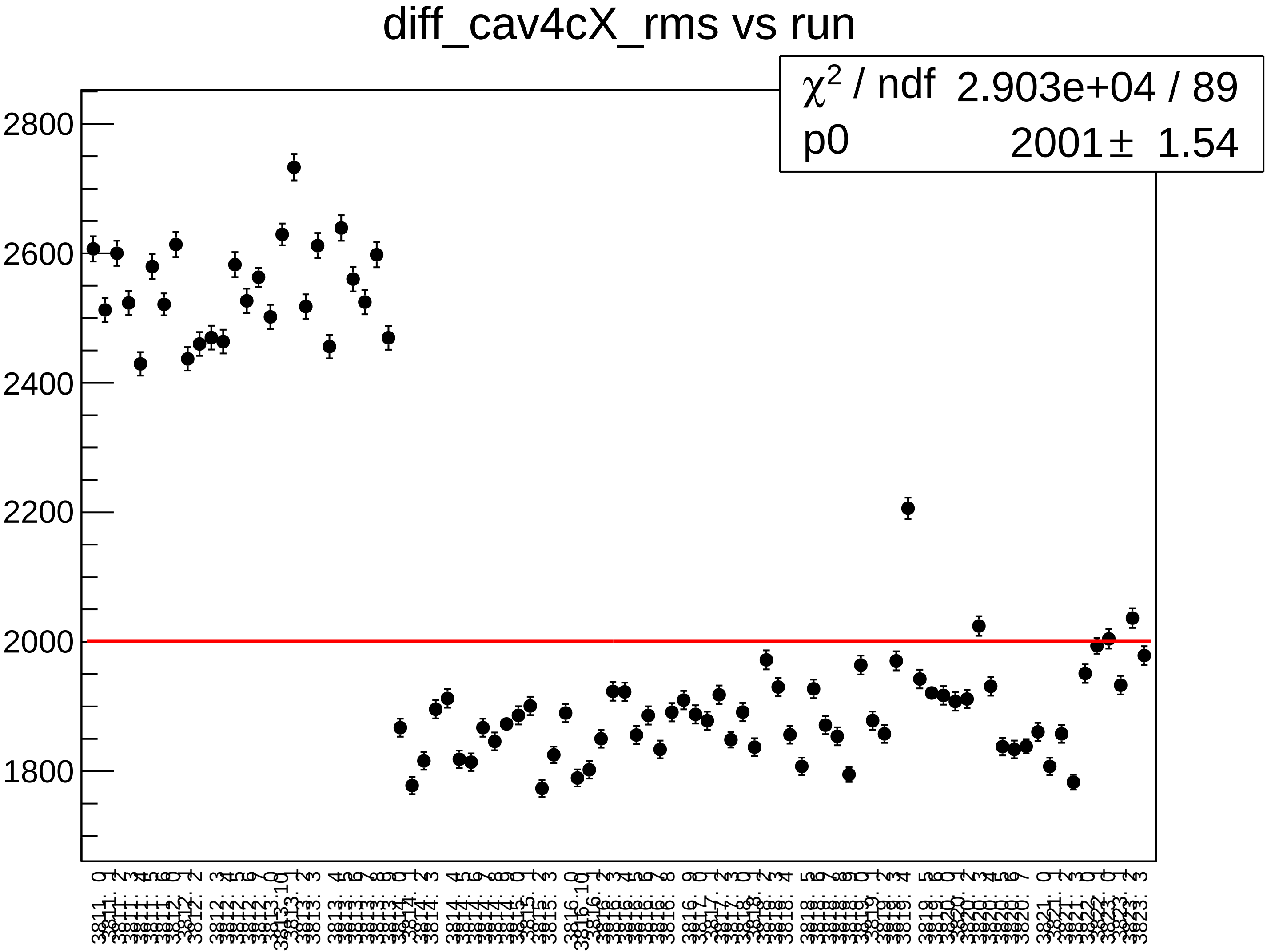

diff_cav4bY_mean vs run
χ^2 / ndf 105.4 / 89
p0 −0.3125 ± 1.608
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 90
Mean 32.86
Std Dev 14.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 90
Mean 0.1437
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

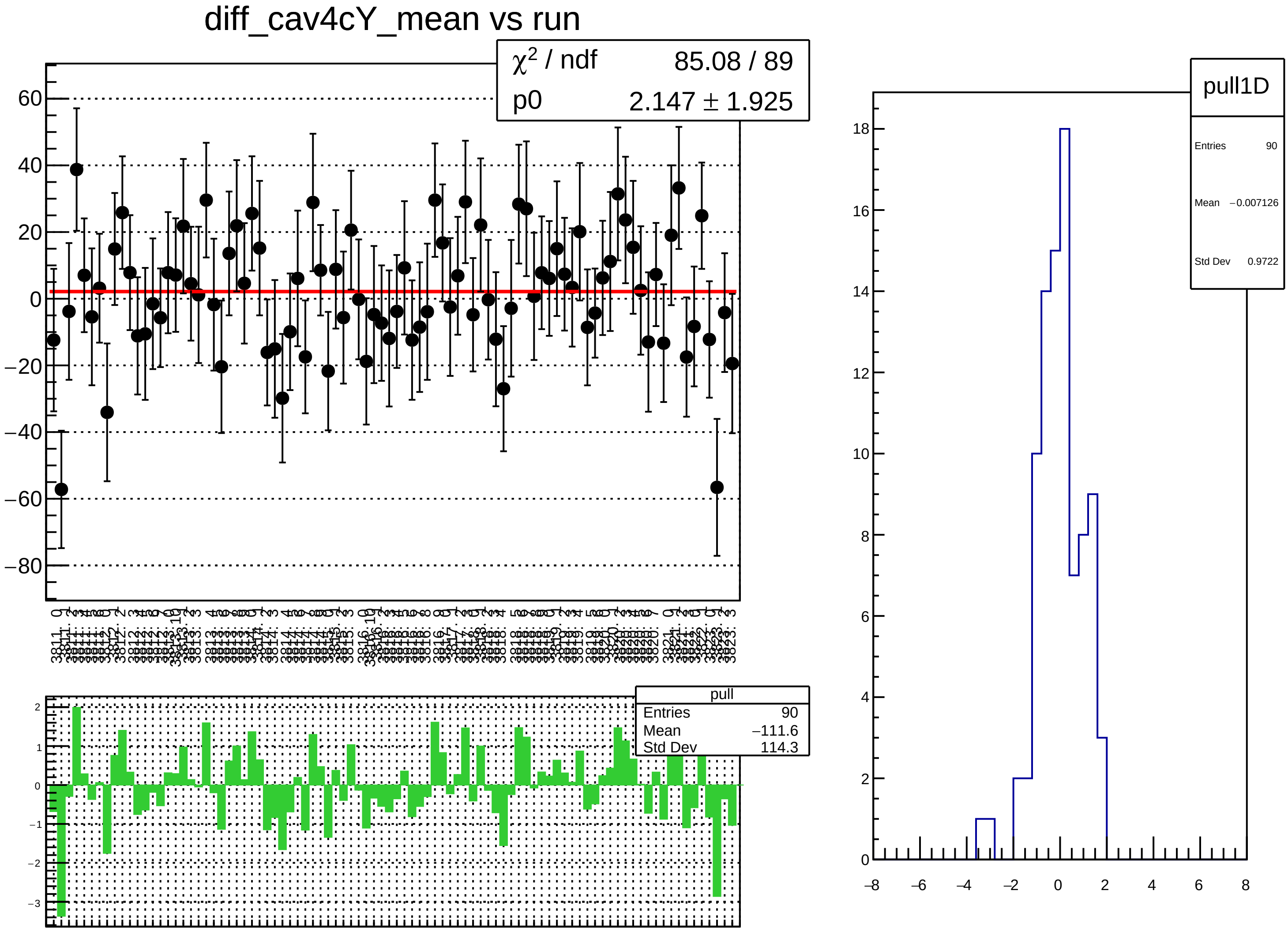


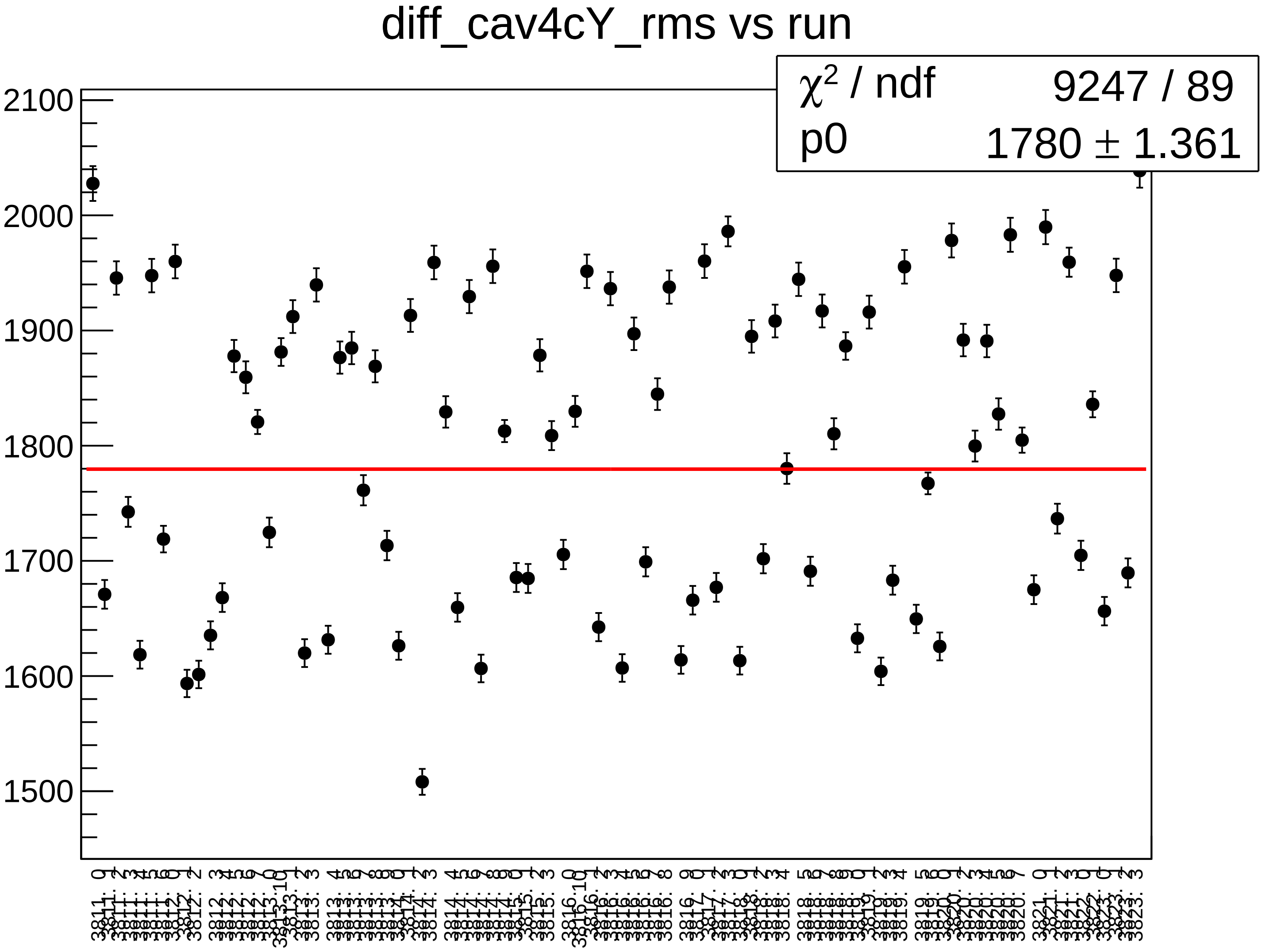
diff_cav4bY_rms vs run
χ^2 / ndf 1.245e+06 / 89
p0 781.4 ± 1.137
$\times10^3$
200
180
160
140
120
100
80
60
40
20



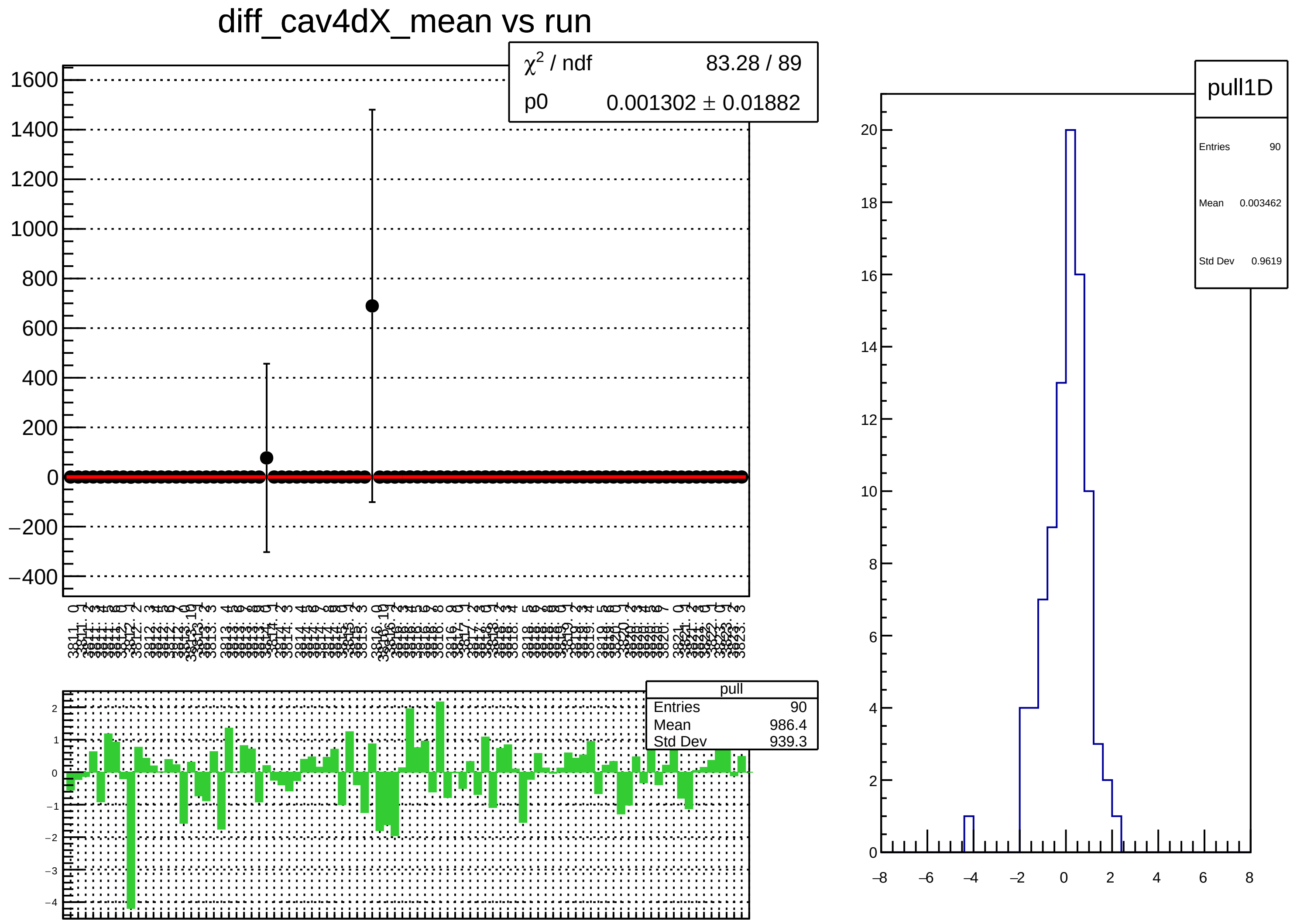
diff_cav4cX_mean vs run
χ^2 / ndf 71.58 / 89
p0 −0.01962 ± 2.178
pull1D
Entries 90
Mean 0.01571
Std Dev 0.8917
pull
Entries 90
Mean −201.7
Std Dev 248.4

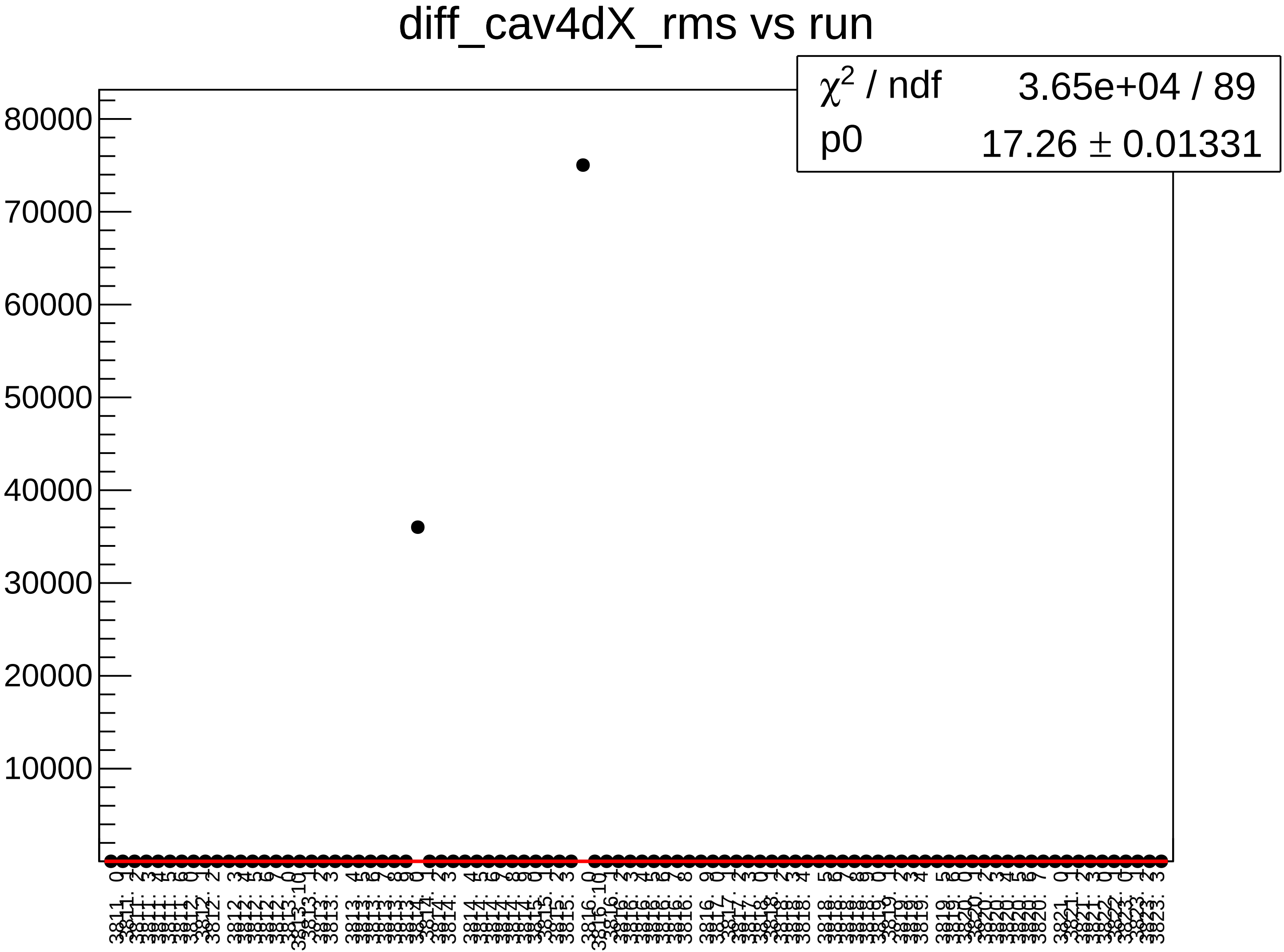

diff_cav4cX_rms vs run
χ^2 / ndf 2.903e+04 / 89
p0 2001 ± 1.54
2800
2600
2400
2200
2000
1800

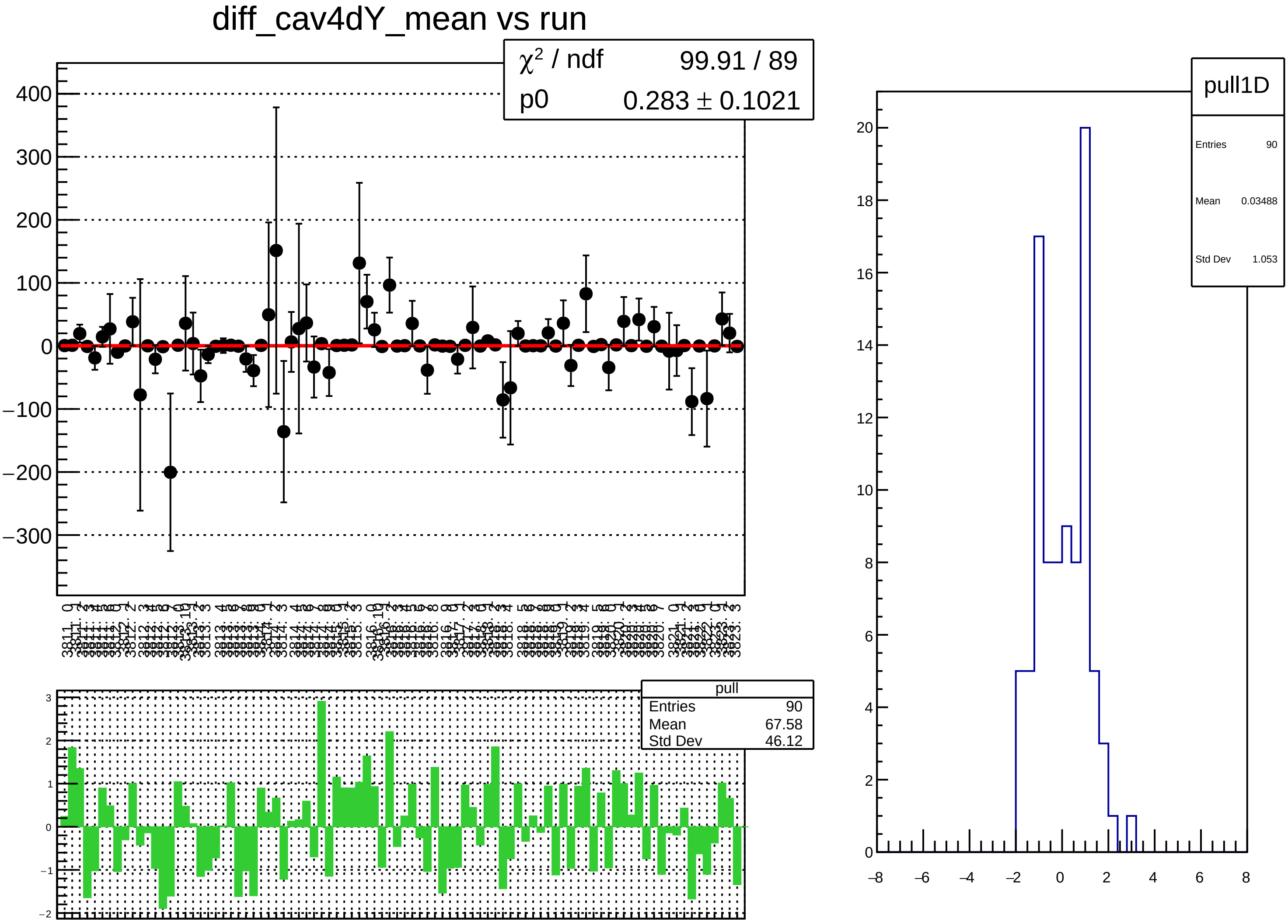

diff_cav4cY_mean vs run
χ² / ndf 85.08 / 89
p0 2.147 ± 1.925
pull
Entries 90
Mean −111.6
Std Dev 114.3
pull1D
Entries 90
Mean −0.007126
Std Dev 0.9722



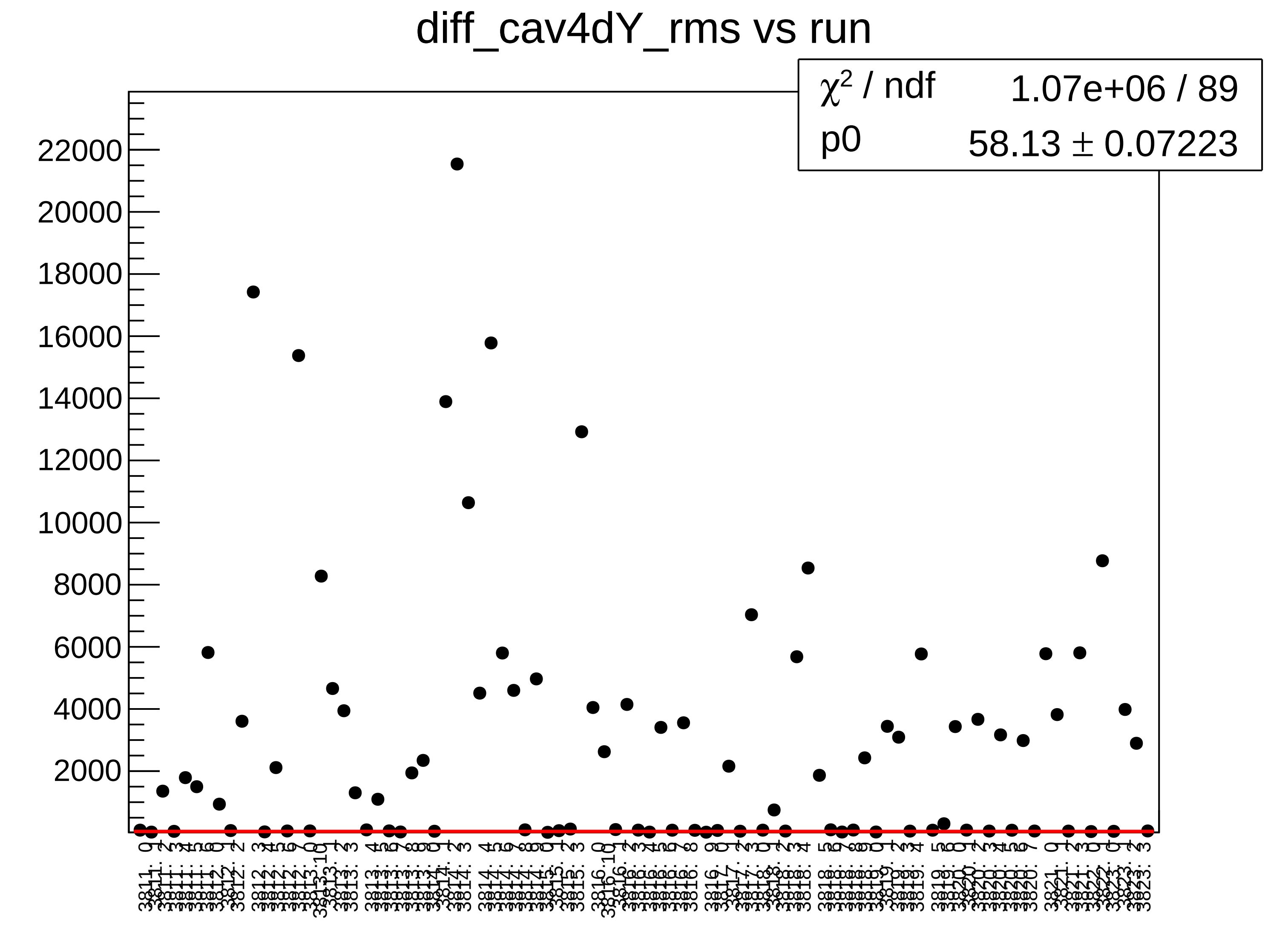
diff_cav4cY_rms vs run
χ2 / ndf 9247 / 89
p0 1780 ± 1.361
2100
2000
1900
1800
1700
1600
1500


diff_cav4dX_mean vs run
χ^2 / ndf 83.28 / 89
p0 0.001302 ± 0.01882
pull
Entries 90
Mean 986.4
Std Dev 939.3
pull1D
Entries 90
Mean 0.003462
Std Dev 0.9619

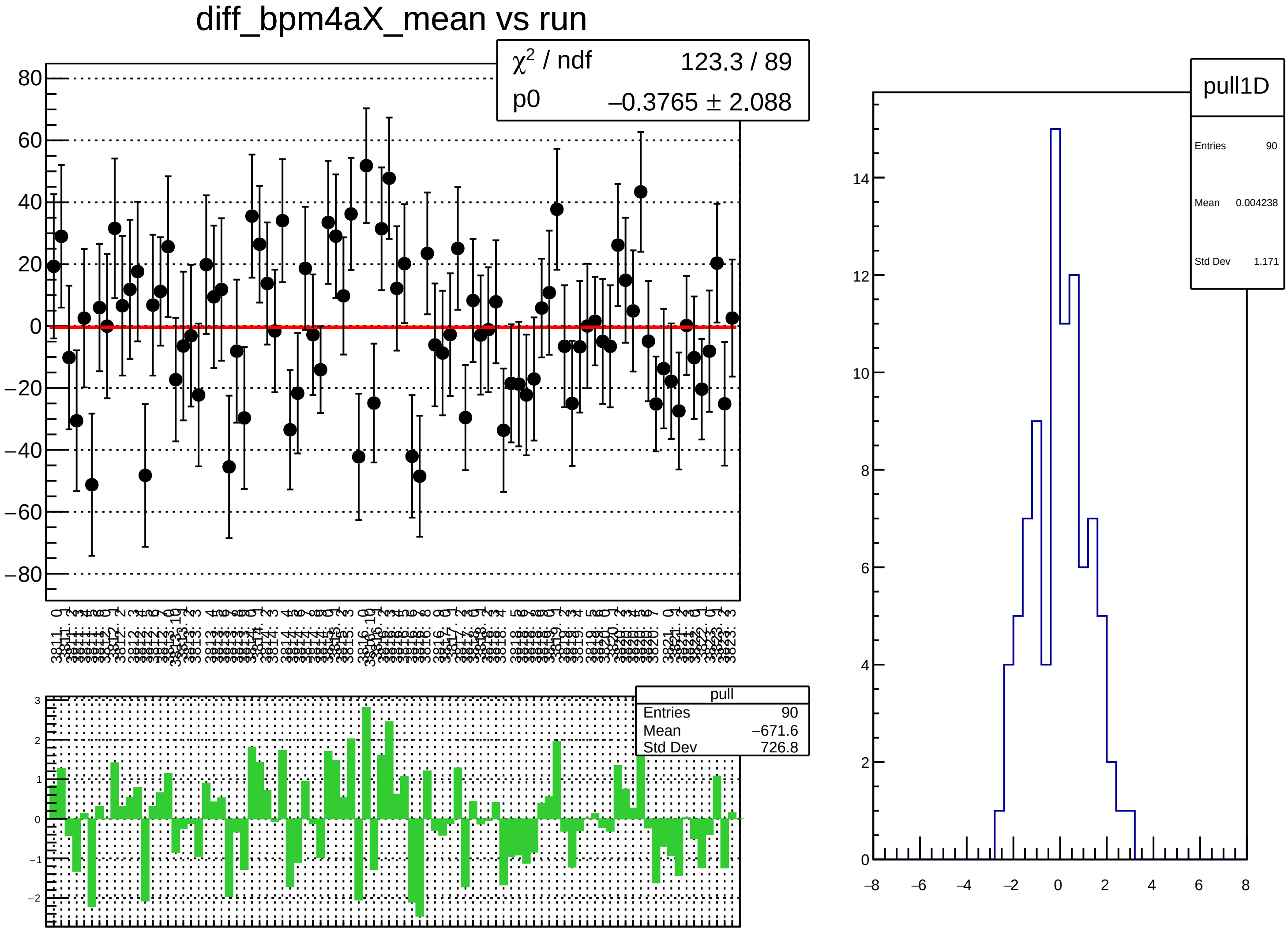

diff_cav4dX_rms vs run
χ^2 / ndf 3.65e+04 / 89
p0 17.26 ± 0.01331
80000
70000
60000
50000
40000
30000
20000
10000



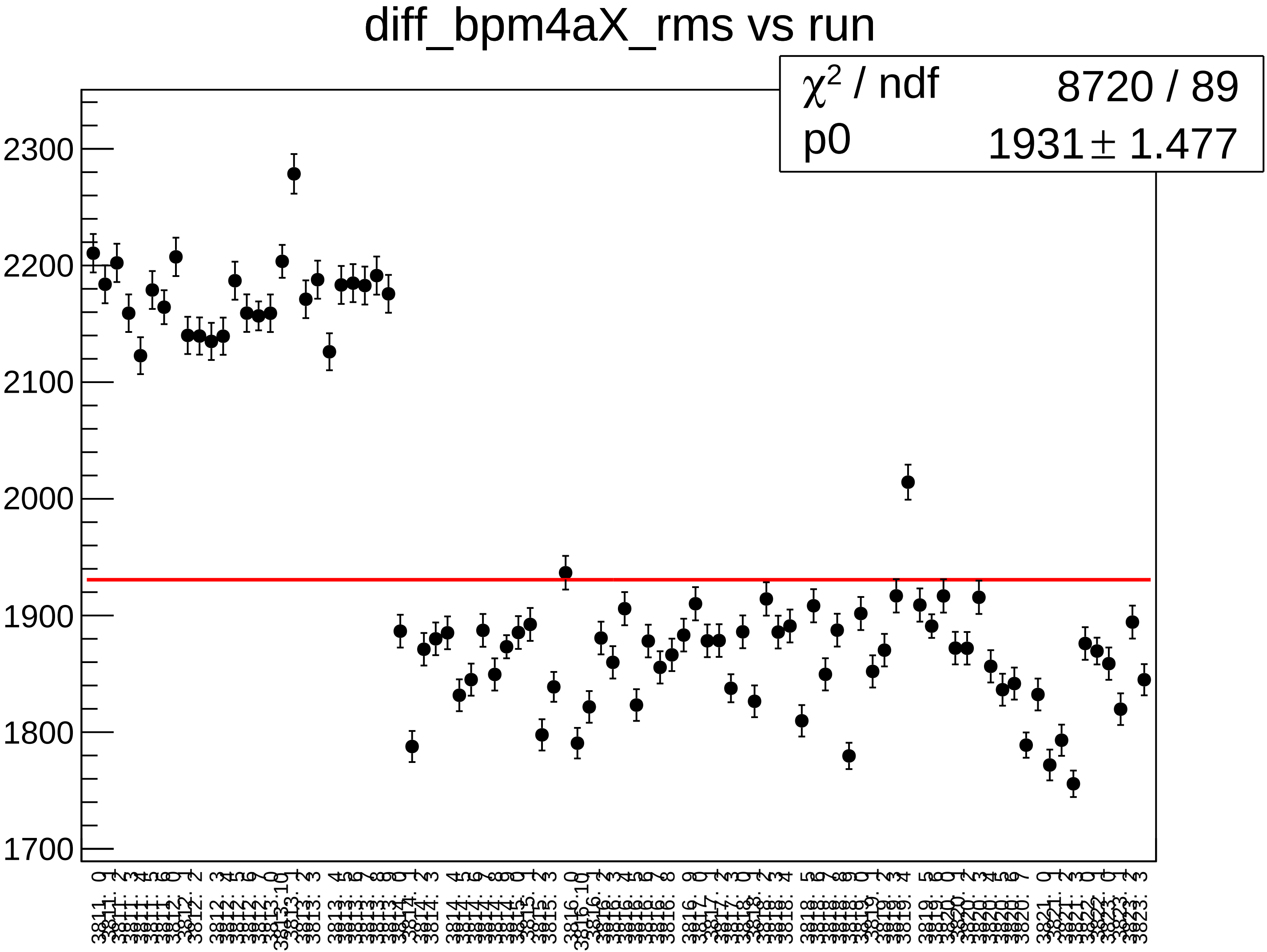
diff_cav4dY_mean vs run
χ^2 / ndf 99.91 / 89
p0 0.283 ± 0.1021
pull
Entries 90
Mean 67.58
Std Dev 46.12
pull1D
Entries 90
Mean 0.03488
Std Dev 1.053



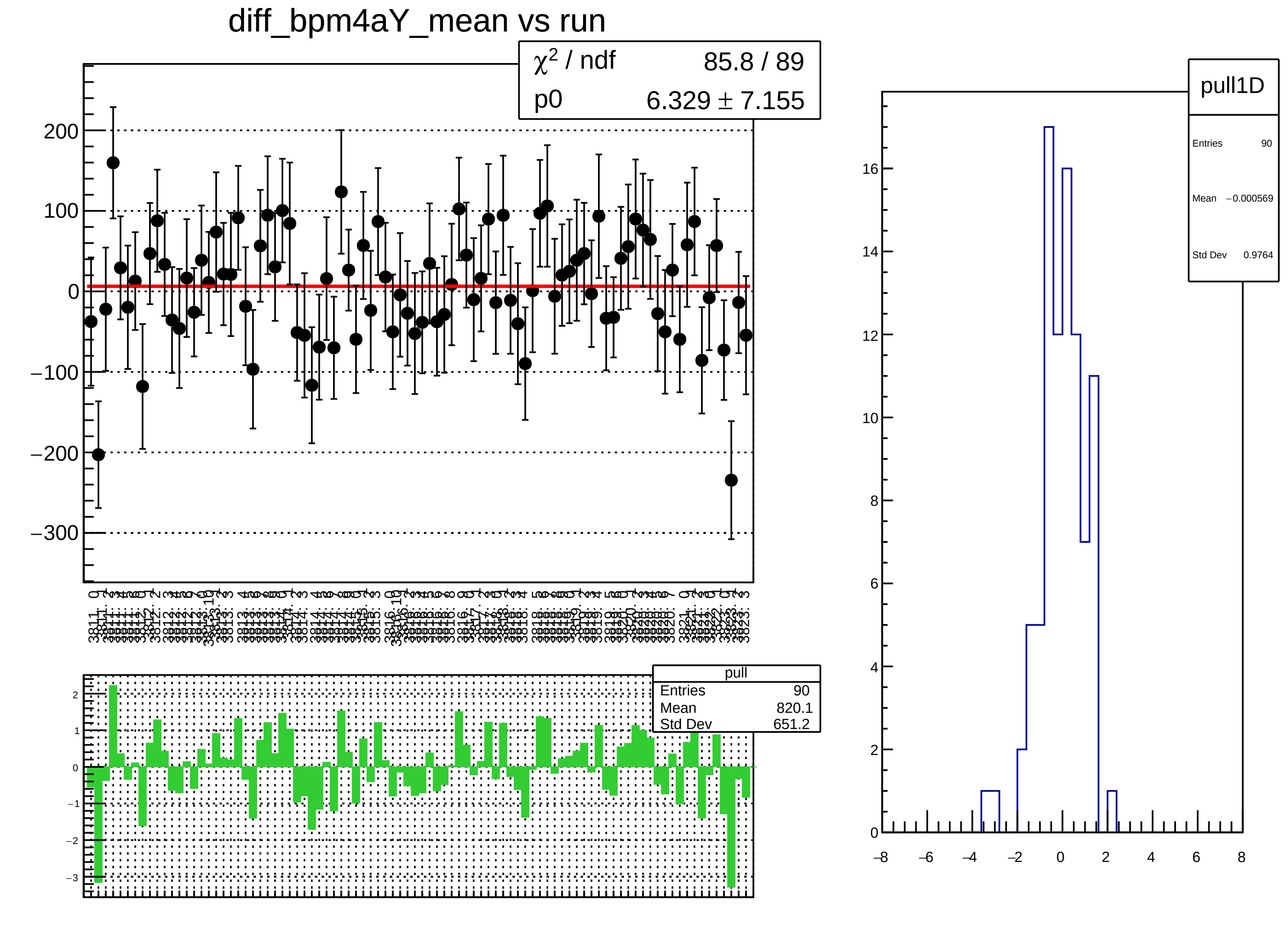
diff_cav4dY_rms vs run
χ^2 / ndf 1.07e+06 / 89
p0 58.13 ± 0.07223
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000



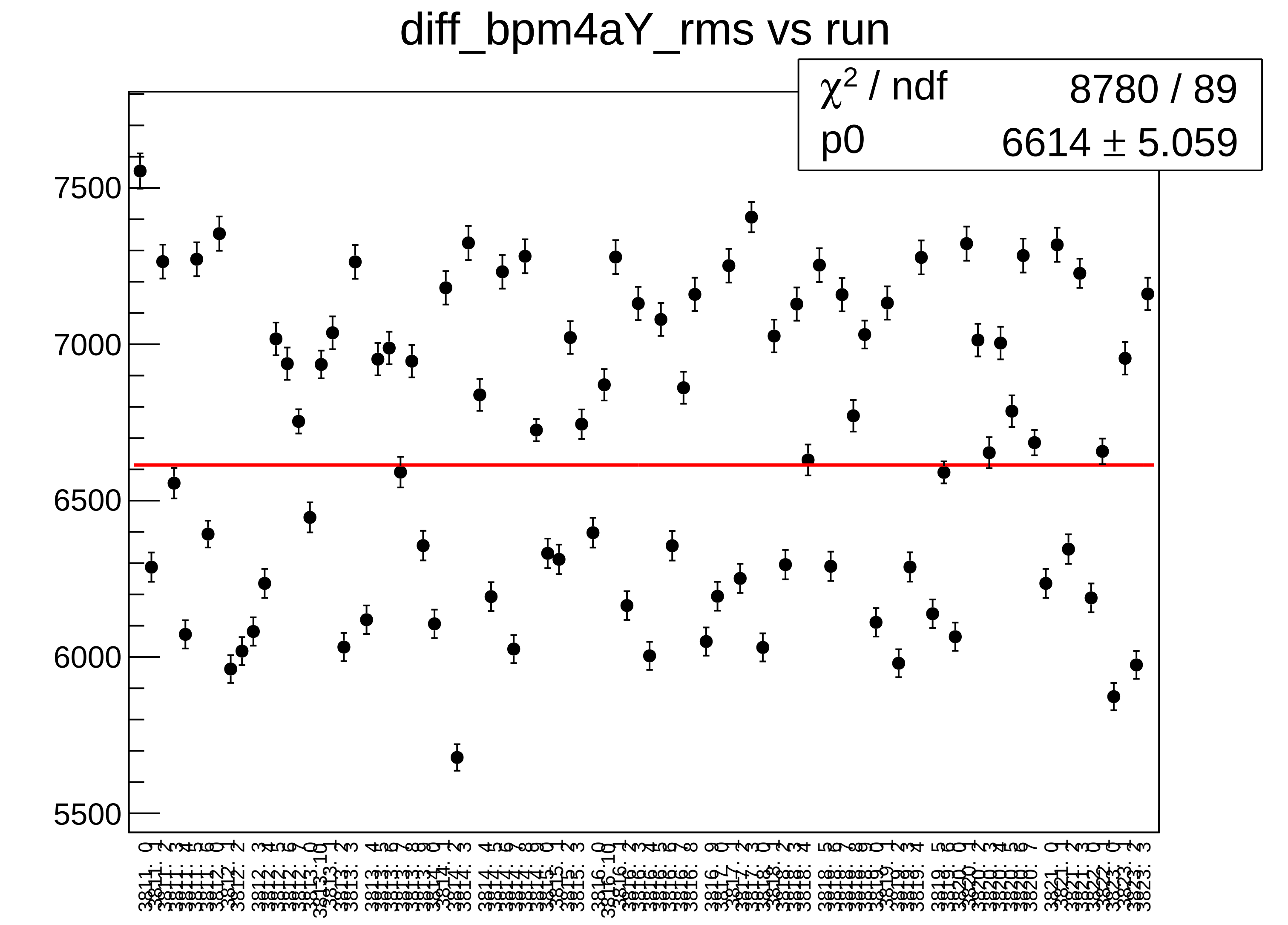
diff_bpm4aX_mean vs run
χ2 / ndf 123.3 / 89
p0 −0.3765 ± 2.088
pull
Entries 90
Mean −671.6
Std Dev 726.8
pull1D
Entries 90
Mean 0.004238
Std Dev 1.171



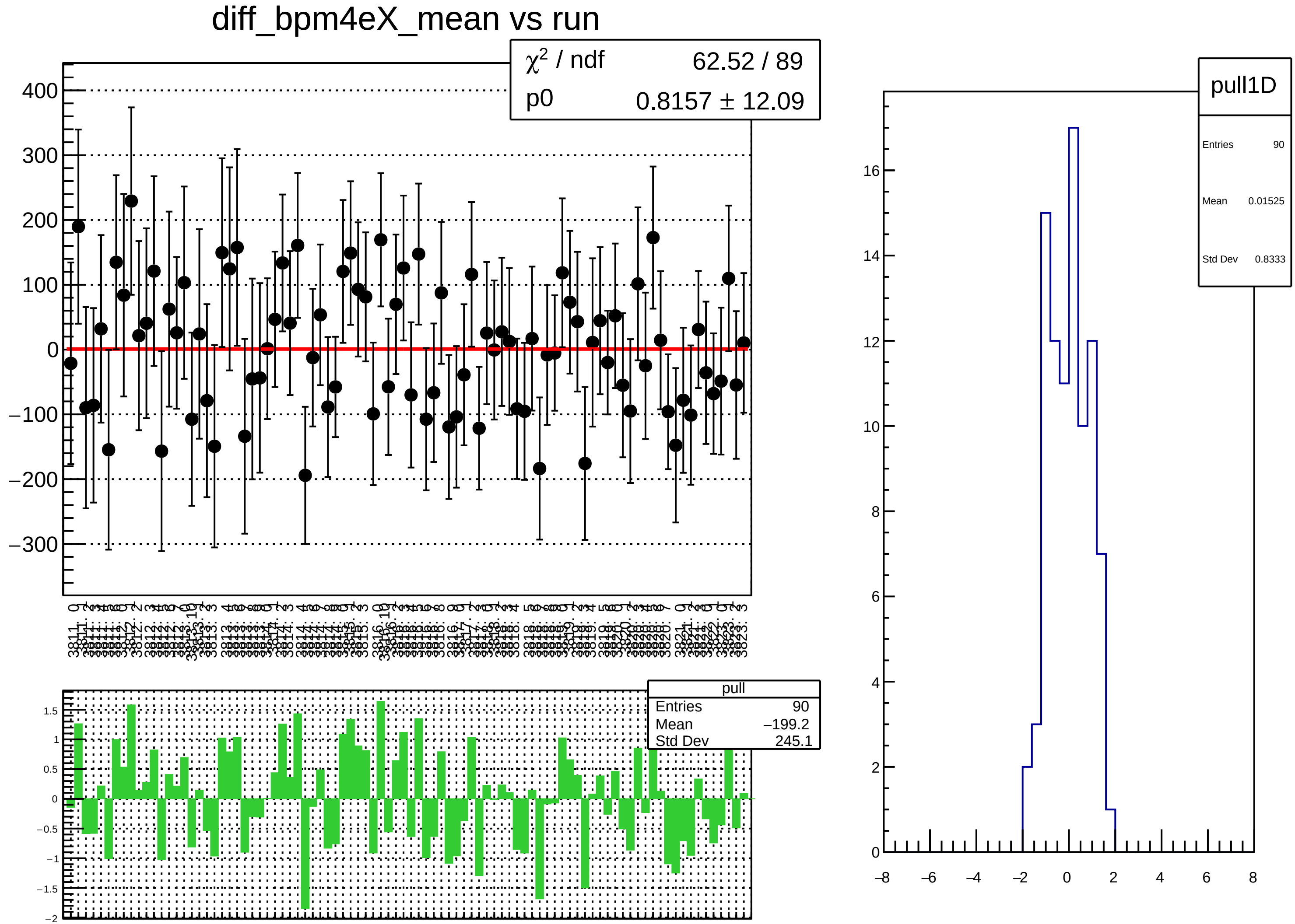
diff_bpm4aX_rms vs run
χ2 / ndf 8720 / 89
p0 1931 ± 1.477
2300
2200
2100
2000
1900
1800
1700



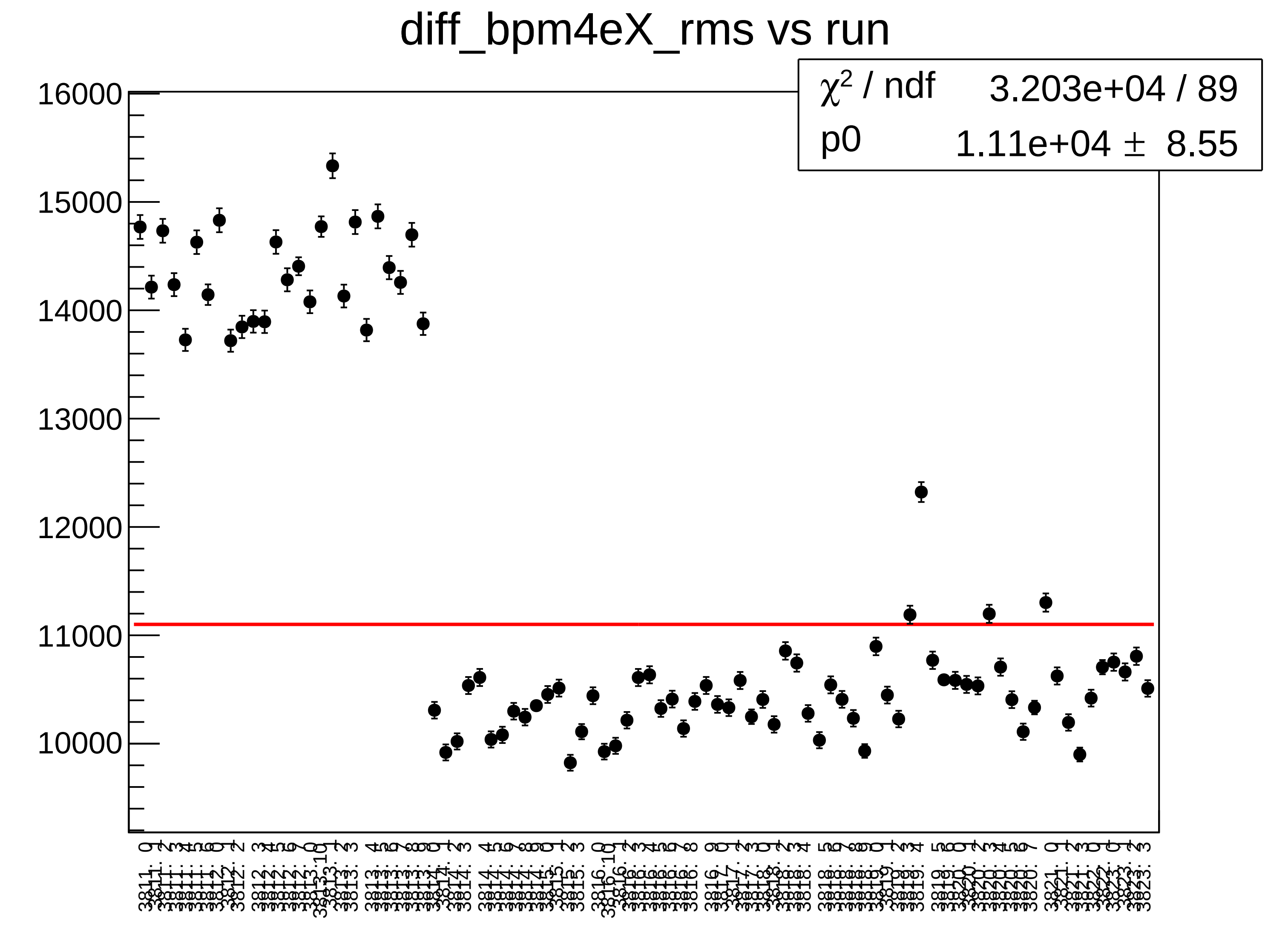
diff_bpm4aY_mean vs run
χ^2 / ndf 85.8 / 89
p0 6.329 ± 7.155
pull
Entries 90
Mean 820.1
Std Dev 651.2
pull1D
Entries 90
Mean −0.000569
Std Dev 0.9764

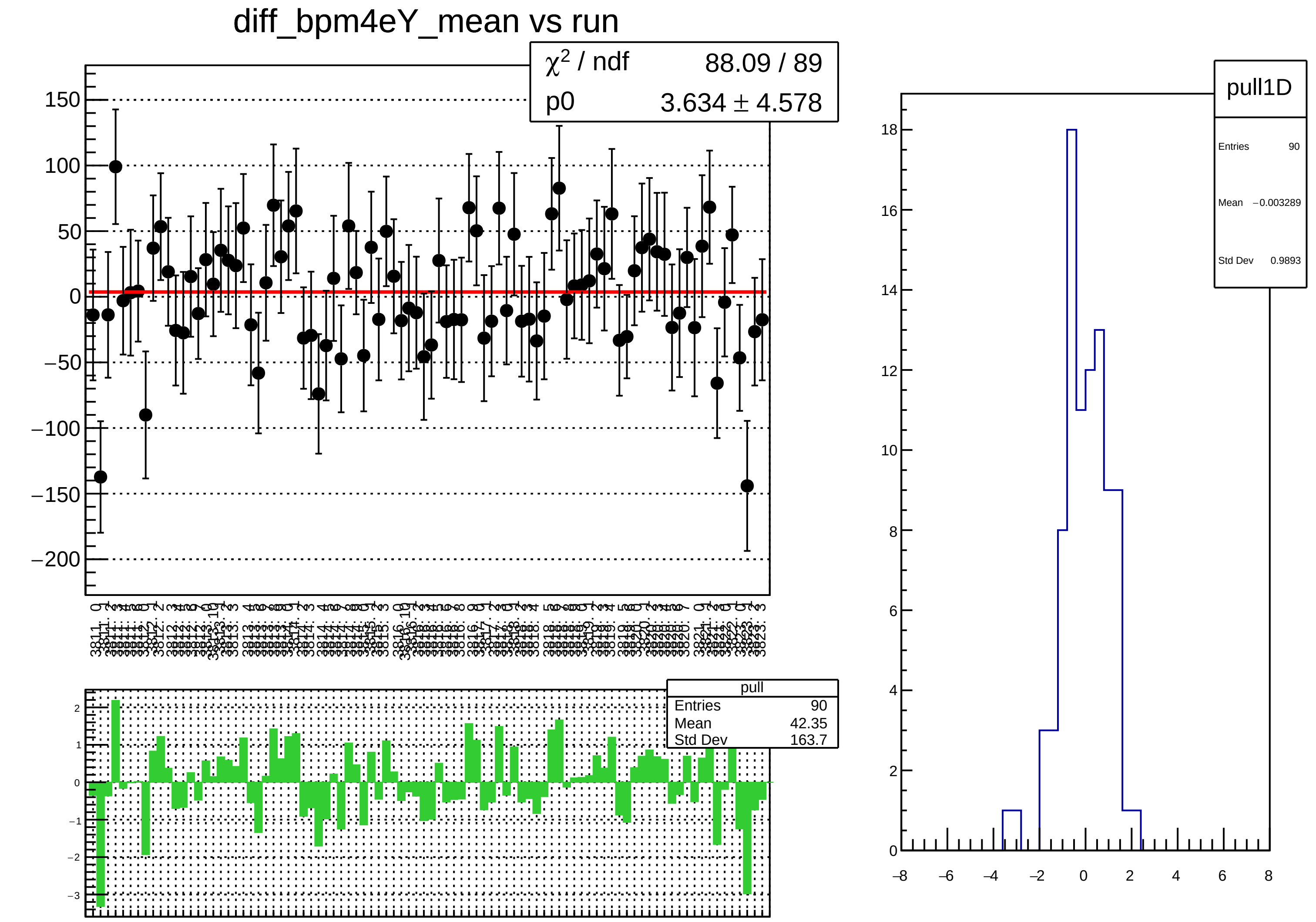


diff_bpm4aY_rms vs run
χ2 / ndf 8780 / 89
p0 6614 ± 5.059
7500
7000
6500
6000
5500

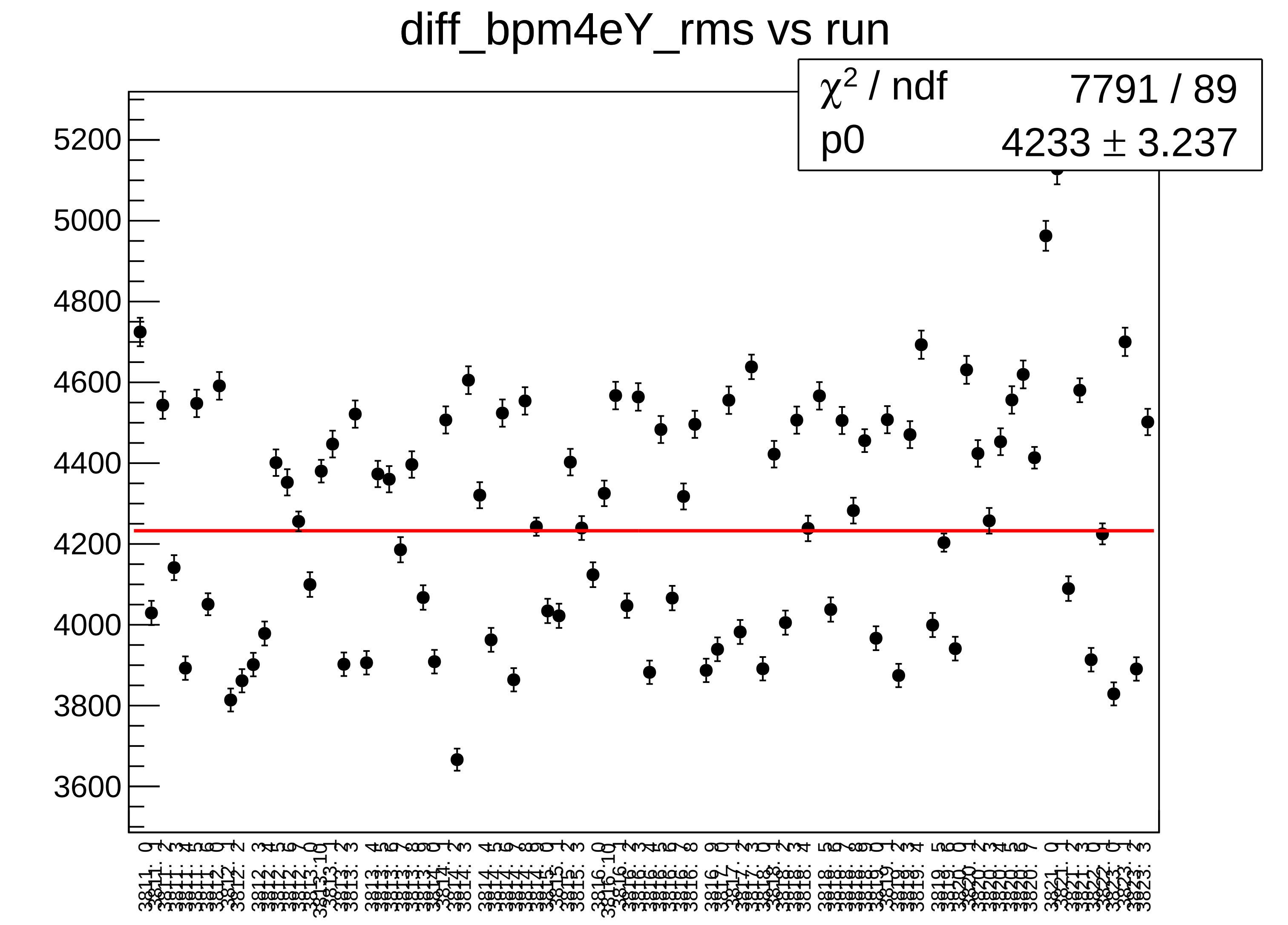


diff_bpm4eX_mean vs run
χ^2 / ndf 62.52 / 89
p0 0.8157 ± 12.09
pull
Entries 90
Mean −199.2
Std Dev 245.1
pull1D
Entries 90
Mean 0.01525
Std Dev 0.8333

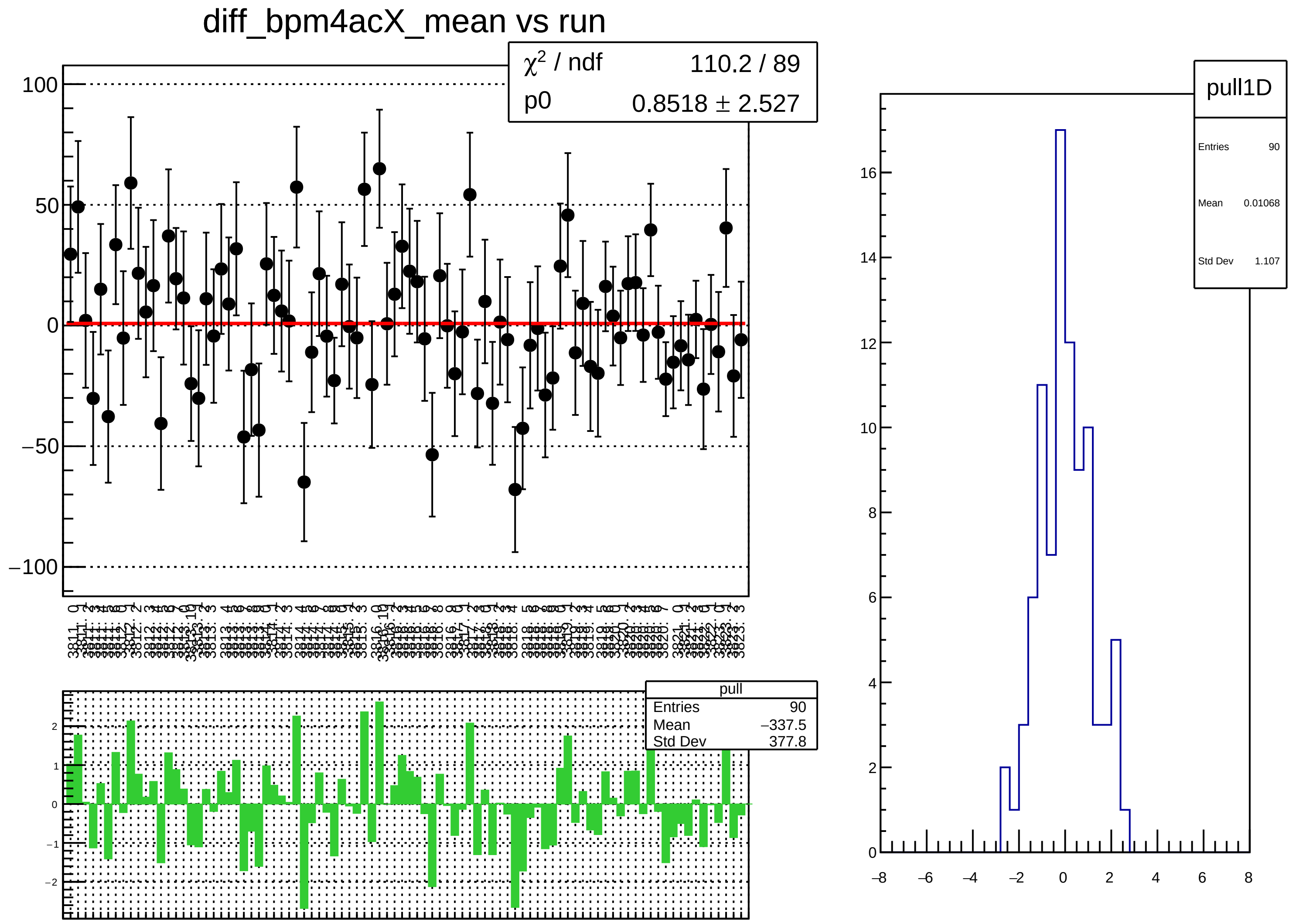

diff_bpm4eX_rms vs run
χ2 / ndf 3.203e+04 / 89
p0 1.11e+04 ± 8.55
16000
15000
14000
13000
12000
11000
10000



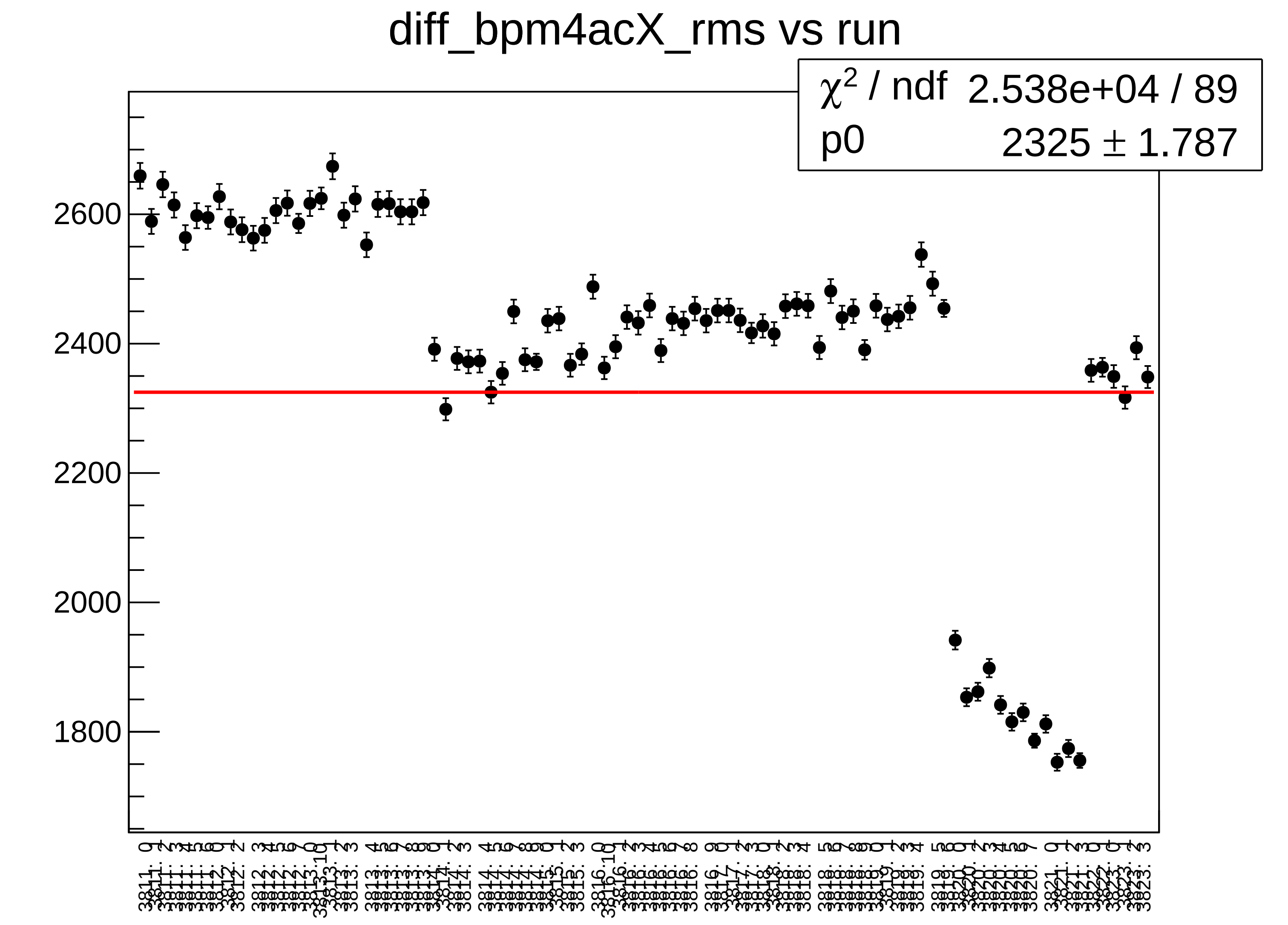
diff_bpm4eY_mean vs run
χ^2 / ndf 88.09 / 89
p0 3.634 ± 4.578
pull
Entries 90
Mean 42.35
Std Dev 163.7
pull1D
Entries 90
Mean −0.003289
Std Dev 0.9893

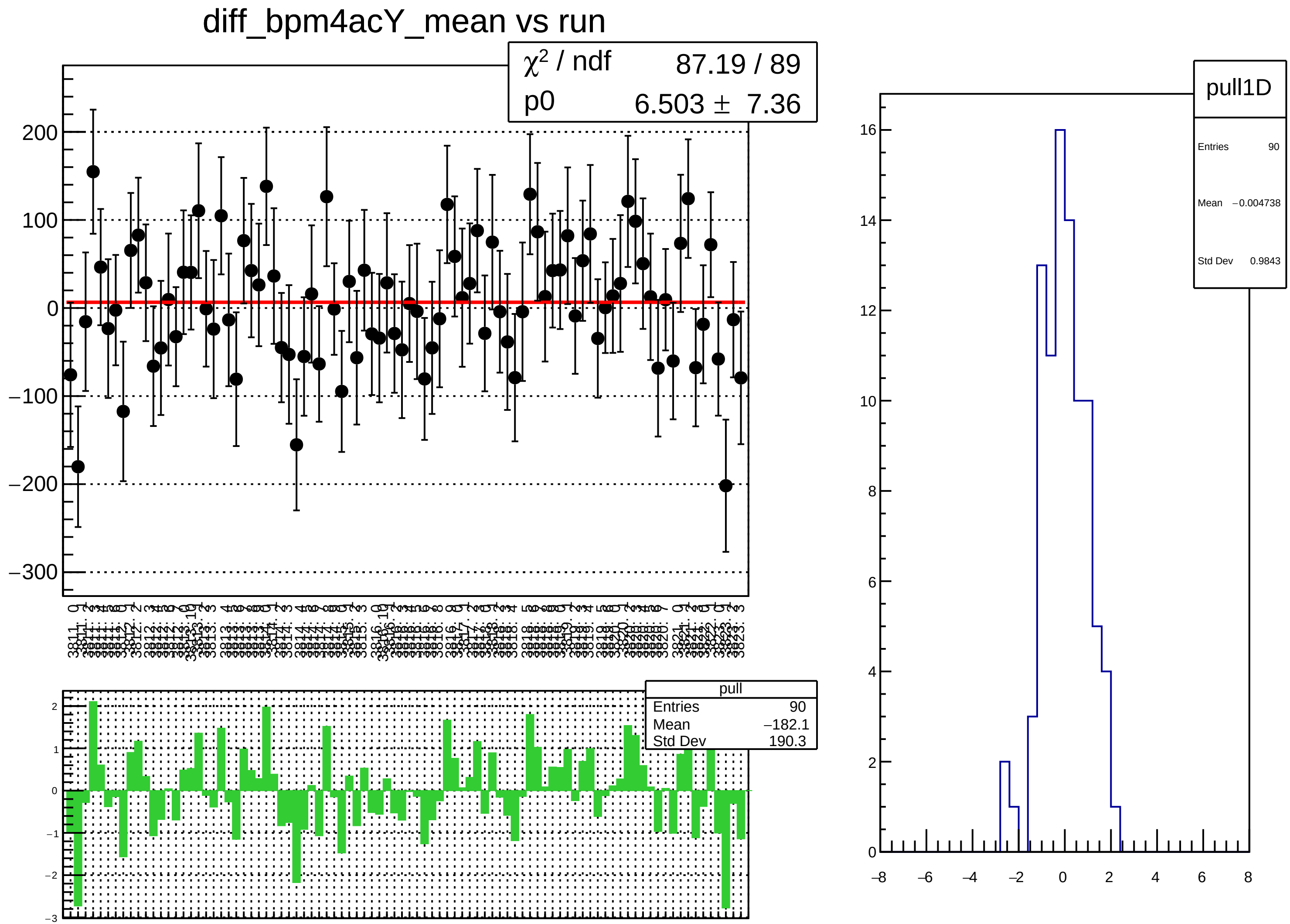


diff_bpm4eY_rms vs run
χ2 / ndf 7791 / 89
p0 4233 ± 3.237
5200
5000
4800
4600
4400
4200
4000
3800
3600

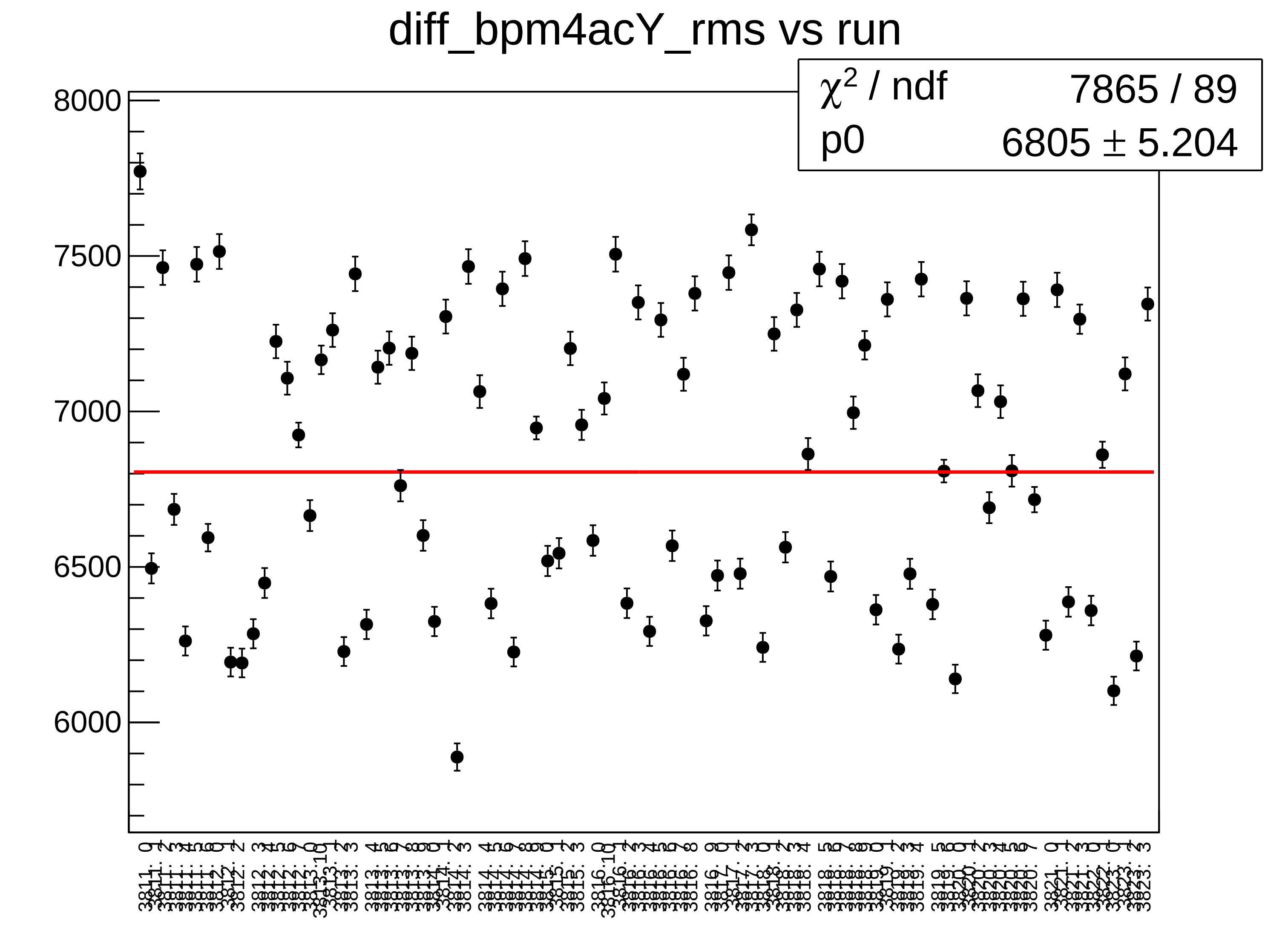


diff_bpm4acX_mean vs run
χ2 / ndf 110.2 / 89
p0 0.8518 ± 2.527
100
50
0
−50
−100
pull
Entries 90
Mean −337.5
Std Dev 377.8
2
1
0
−1
−2
pull1D
Entries 90
Mean 0.01068
Std Dev 1.107
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

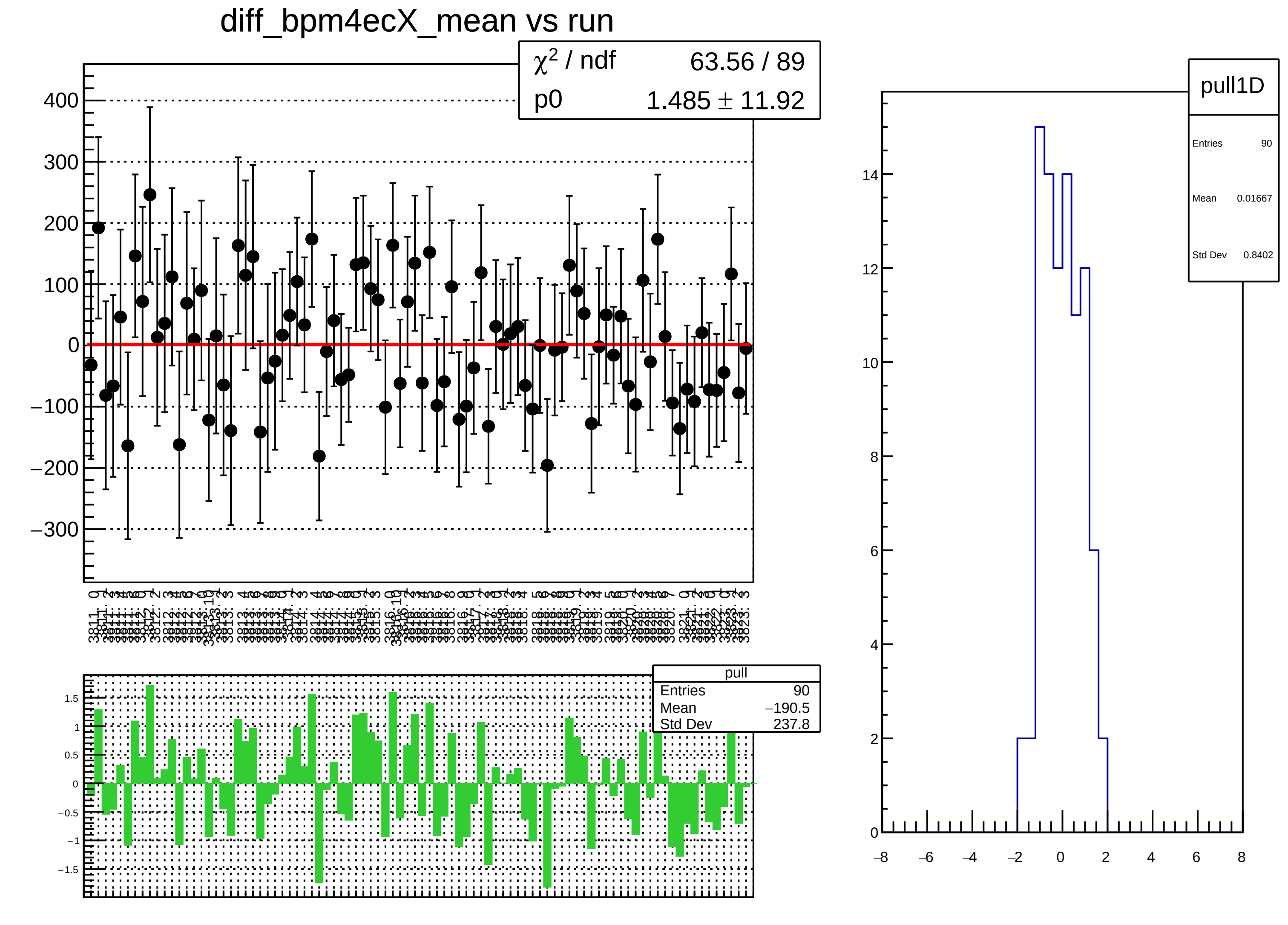

diff_bpm4acX_rms vs run
χ2 / ndf 2.538e+04 / 89
p0 2325 ± 1.787
2600
2400
2200
2000
1800

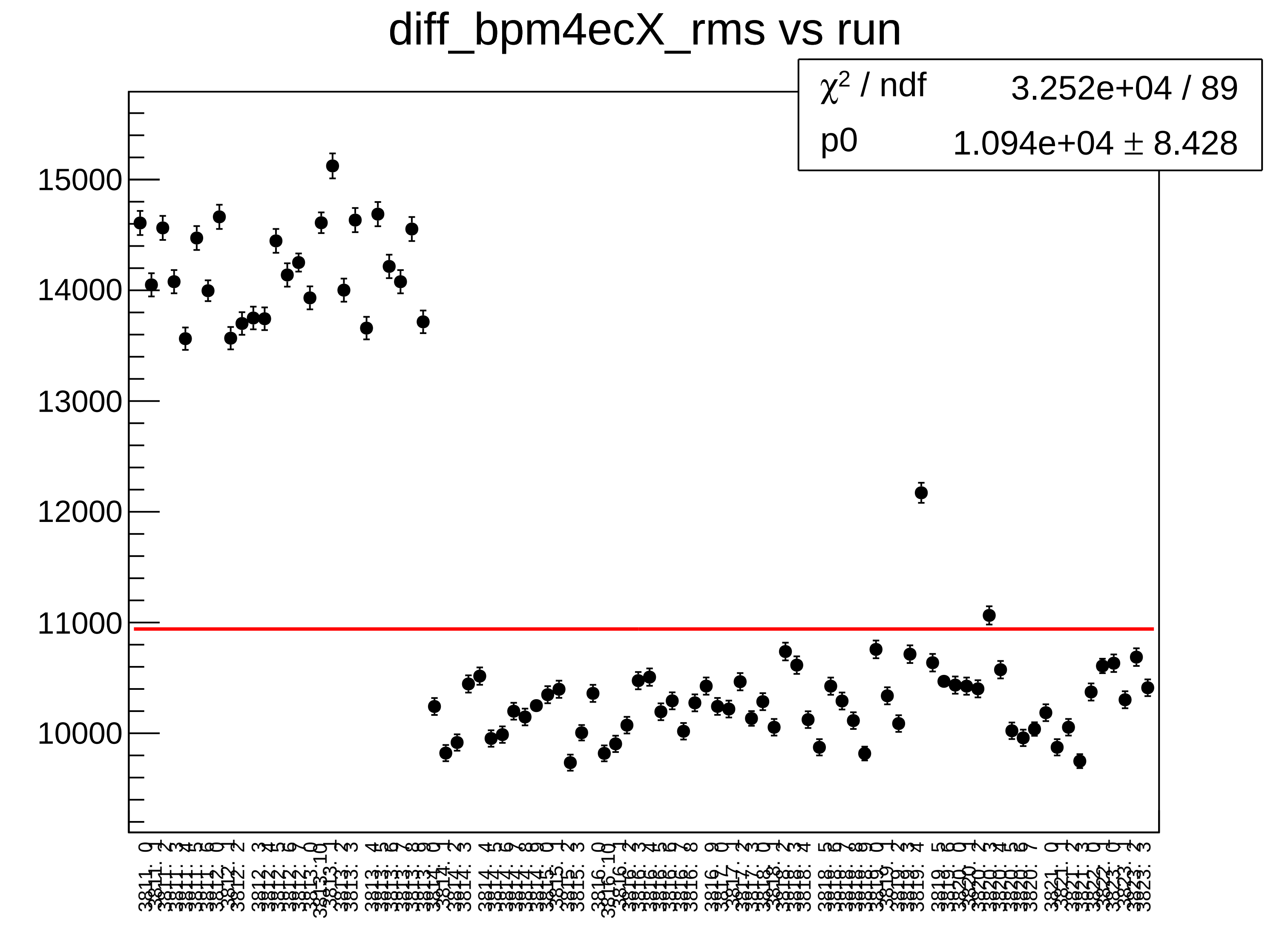


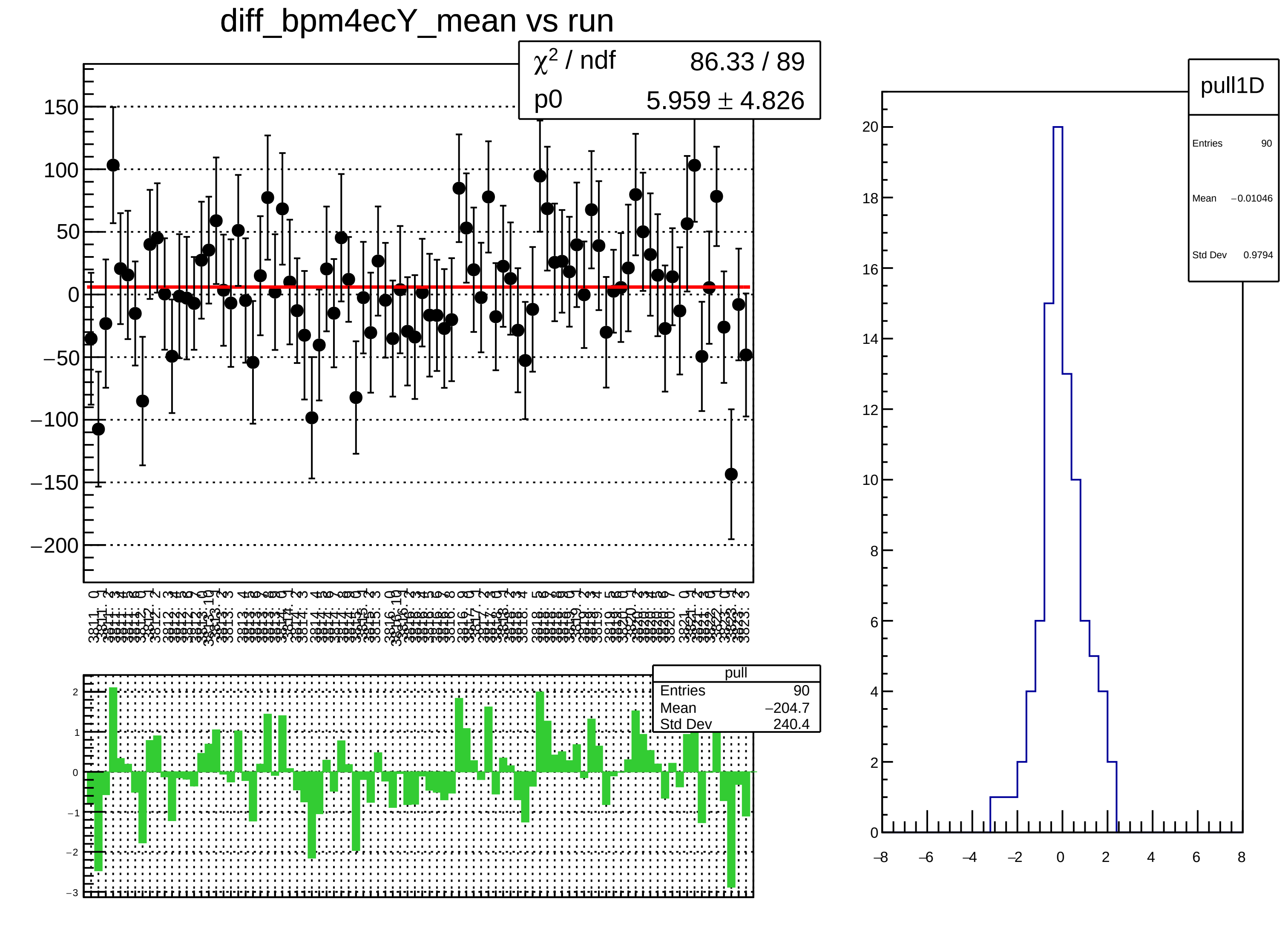
diff_bpm4acY_mean vs run
χ^2 / ndf 87.19 / 89
p0 6.503 ± 7.36
pull
Entries 90
Mean −182.1
Std Dev 190.3
pull1D
Entries 90
Mean −0.004738
Std Dev 0.9843



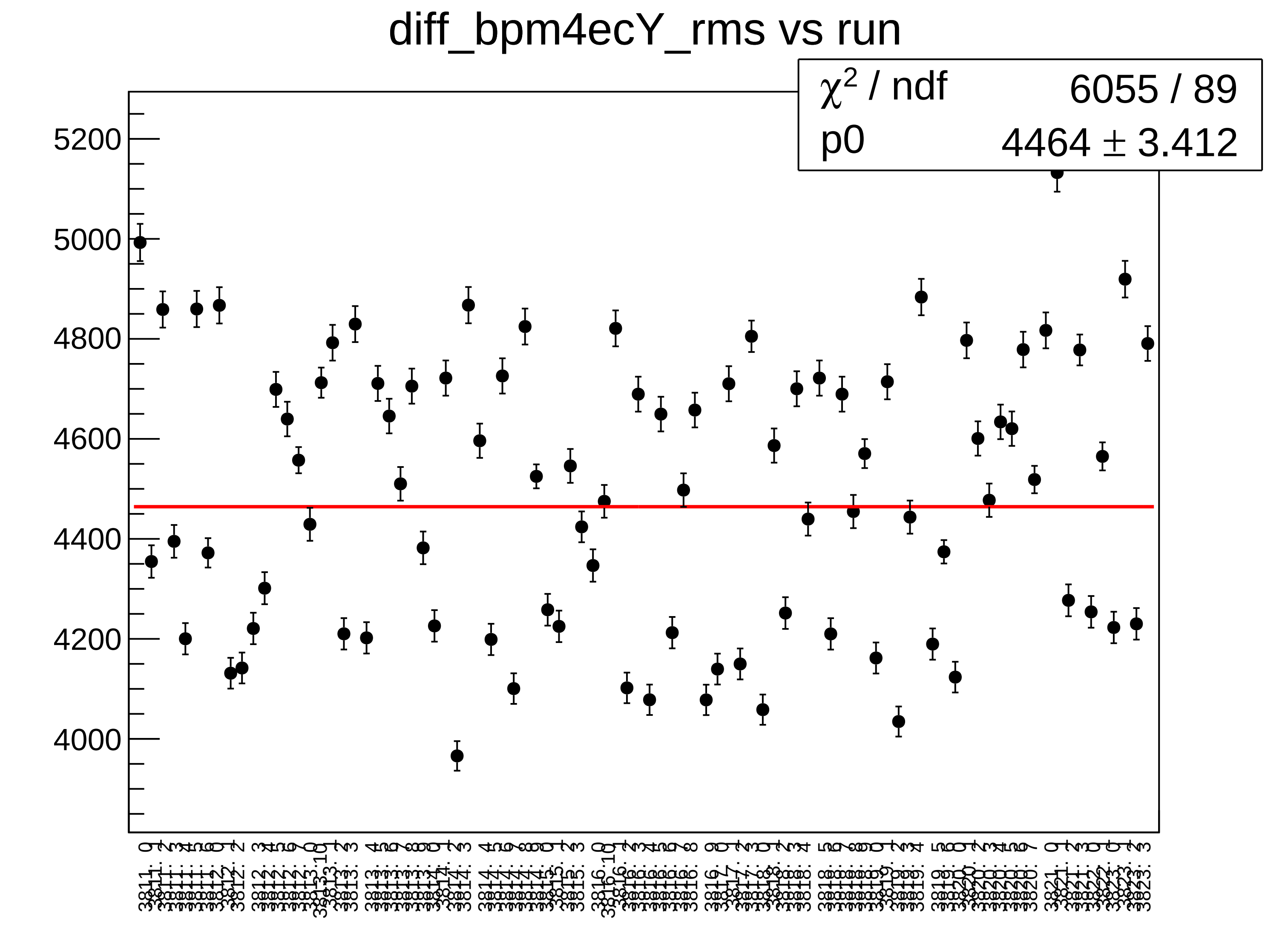
diff_bpm4acY_rms vs run
χ2 / ndf 7865 / 89
p0 6805 ± 5.204
8000
7500
7000
6500
6000


diff_bpm4ecX_mean vs run
χ^2 / ndf 63.56 / 89
p0 1.485 ± 11.92
pull
Entries 90
Mean −190.5
Std Dev 237.8
pull1D
Entries 90
Mean 0.01667
Std Dev 0.8402

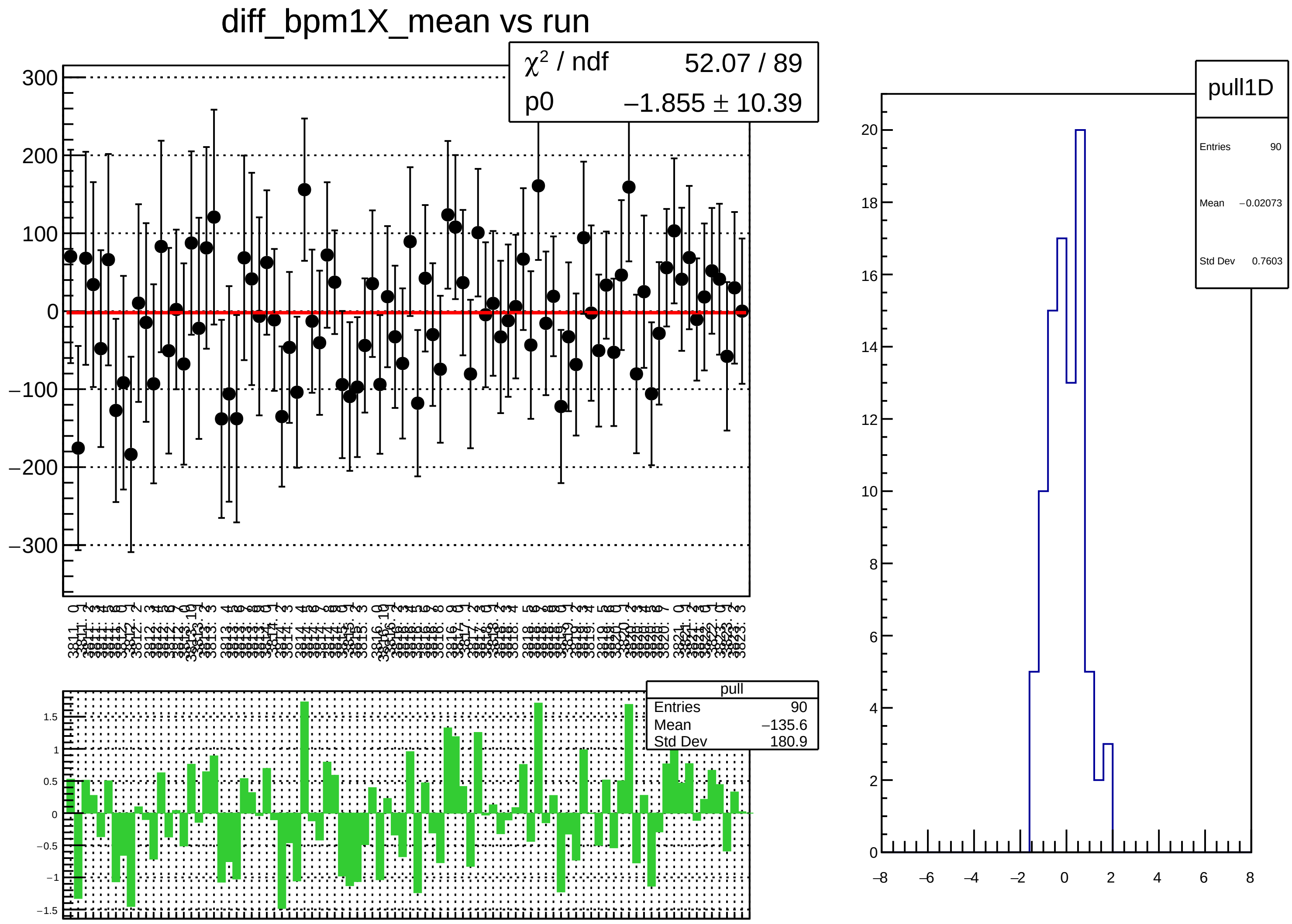

diff_bpm4ecX_rms vs run
χ^2 / ndf 3.252e+04 / 89
p0 1.094e+04 ± 8.428
15000
14000
13000
12000
11000
10000



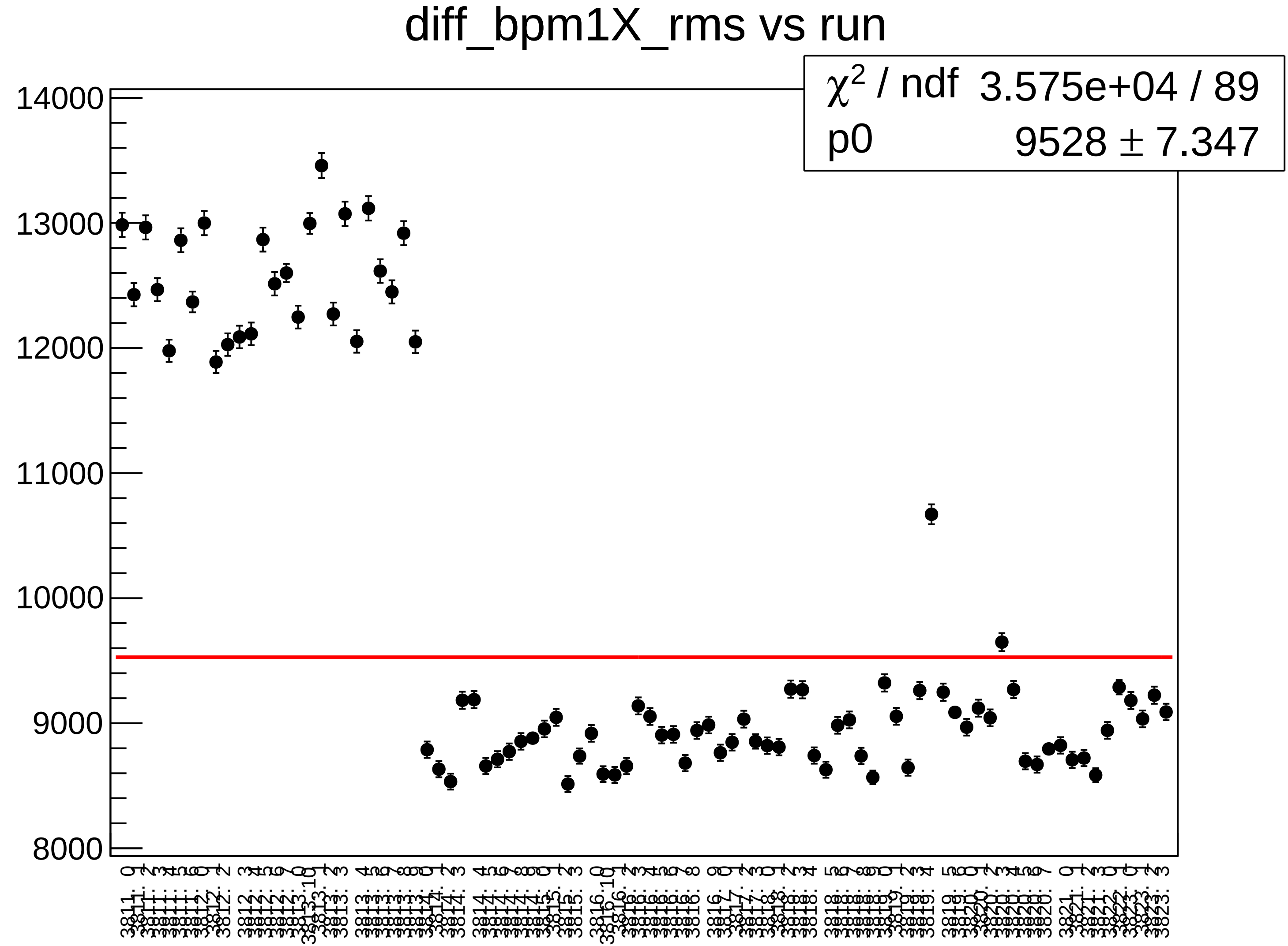
diff_bpm4ecY_mean vs run
χ^2 / ndf 86.33 / 89
p0 5.959 ± 4.826
pull
Entries 90
Mean −204.7
Std Dev 240.4
pull1D
Entries 90
Mean −0.01046
Std Dev 0.9794

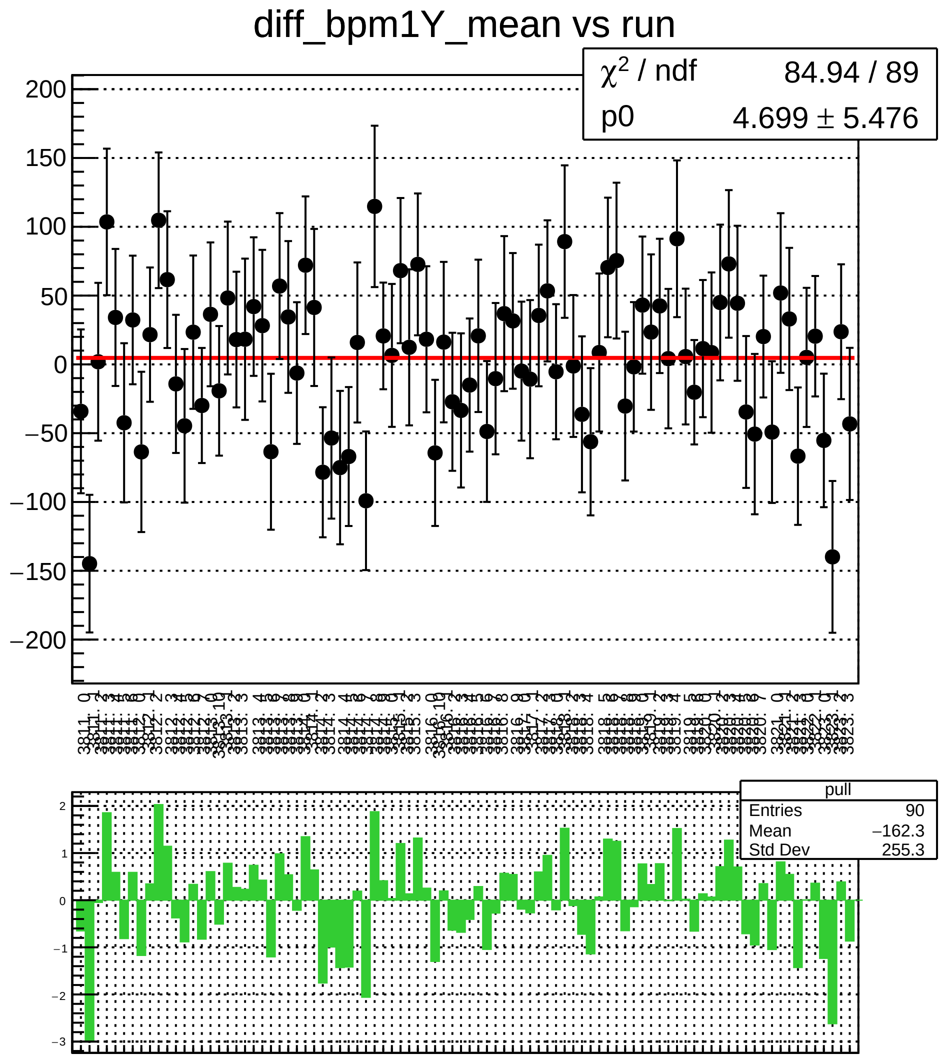


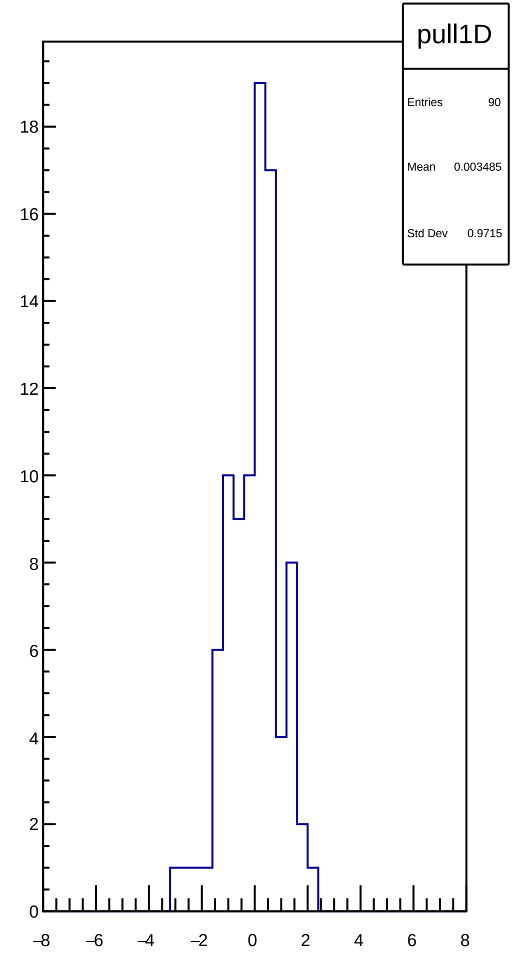
diff_bpm4ecY_rms vs run
χ2 / ndf 6055 / 89
p0 4464 ± 3.412
5200
5000
4800
4600
4400
4200
4000

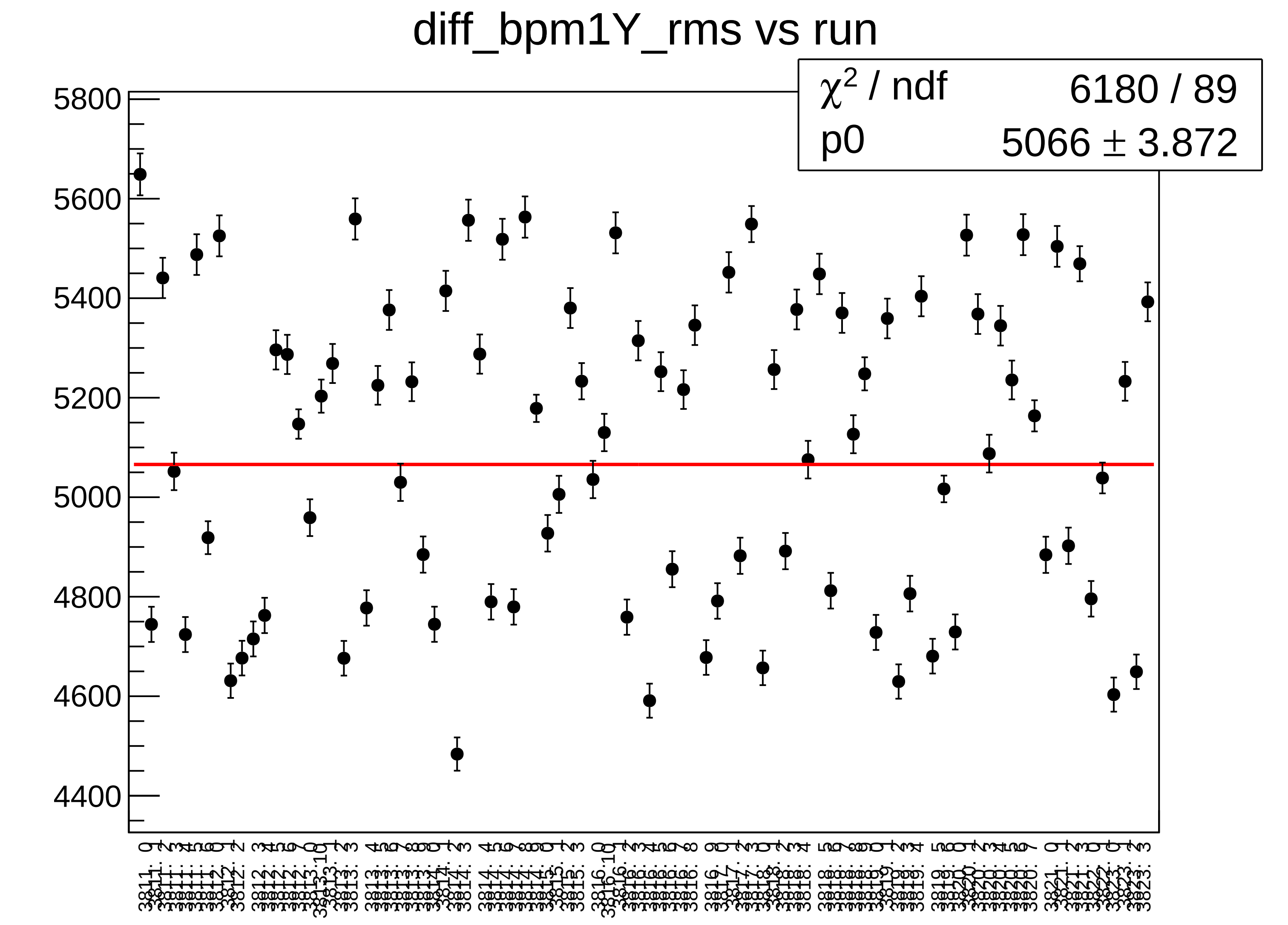


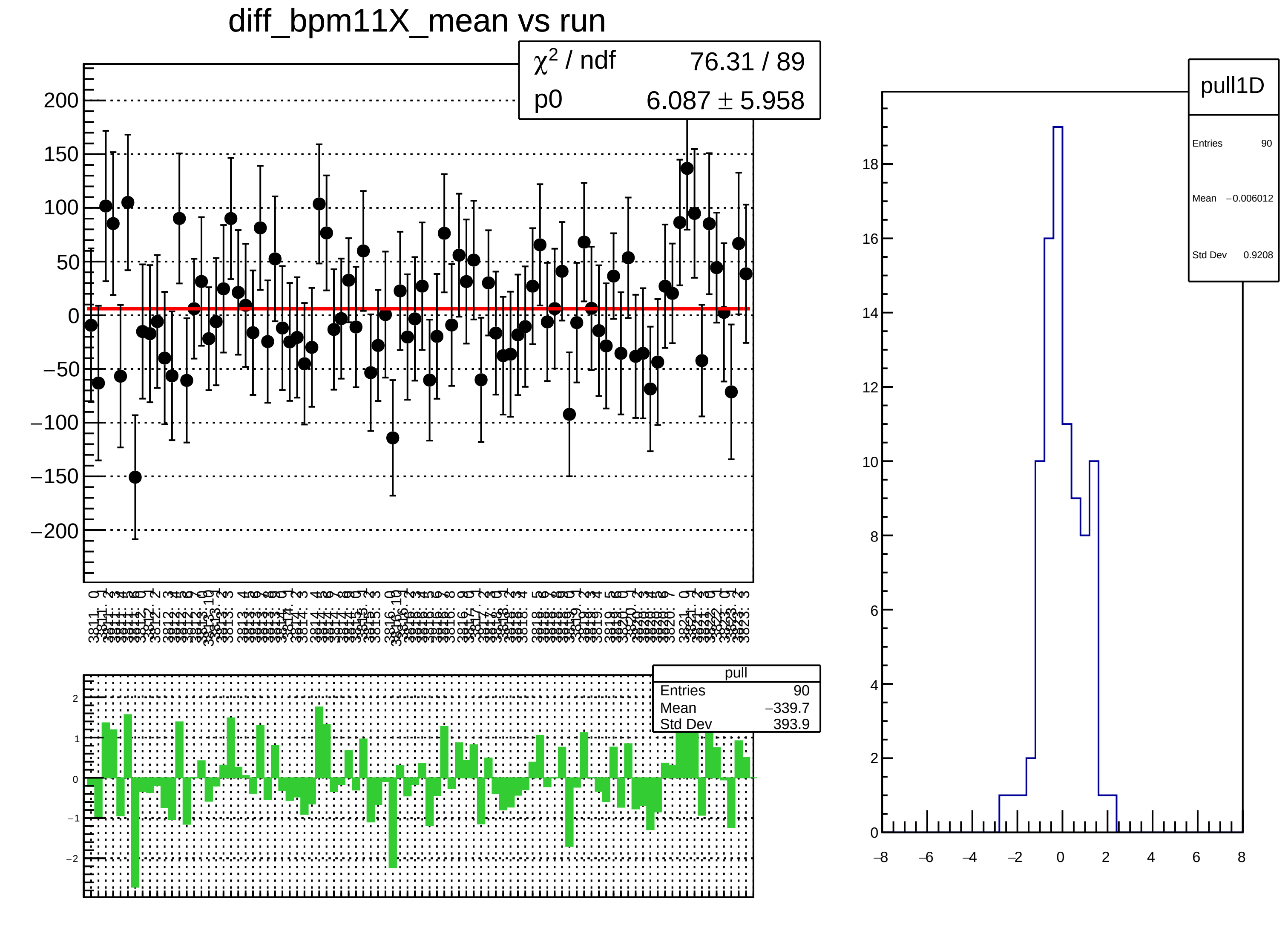
diff_bpm1X_mean vs run
χ^2 / ndf 52.07 / 89
p0 −1.855 ± 10.39
pull
Entries 90
Mean −135.6
Std Dev 180.9
pull1D
Entries 90
Mean −0.02073
Std Dev 0.7603


diff_bpm1X_rms vs run
χ^2 / ndf 3.575e+04 / 89
p0 9528 ± 7.347
14000
13000
12000
11000
10000
9000
8000

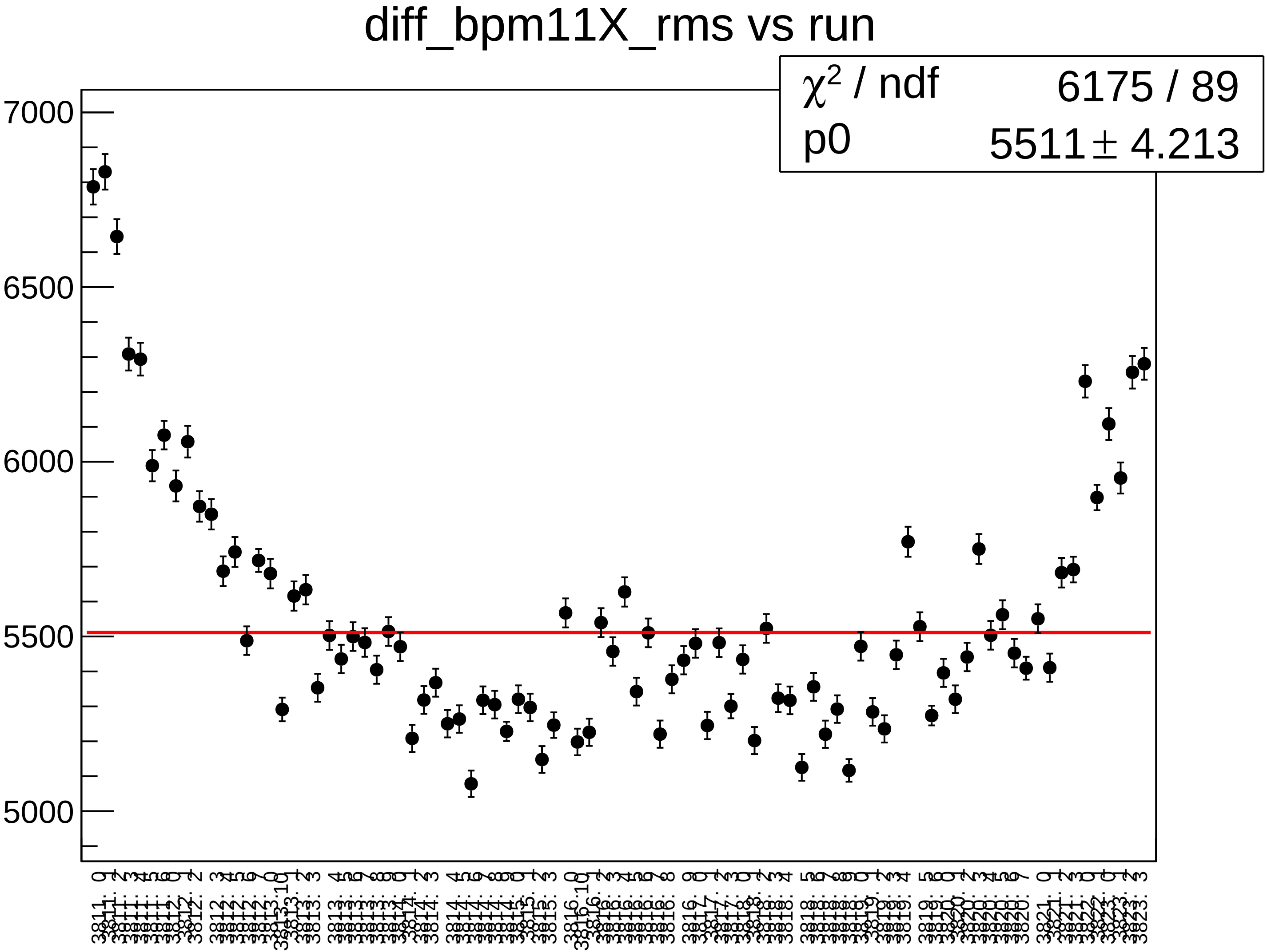

diff_bpm1Y_mean vs run
χ^2 / ndf 84.94 / 89
p0 4.699 ± 5.476
pull
Entries 90
Mean −162.3
Std Dev 255.3


pull1D
Entries 90
Mean 0.003485
Std Dev 0.9715

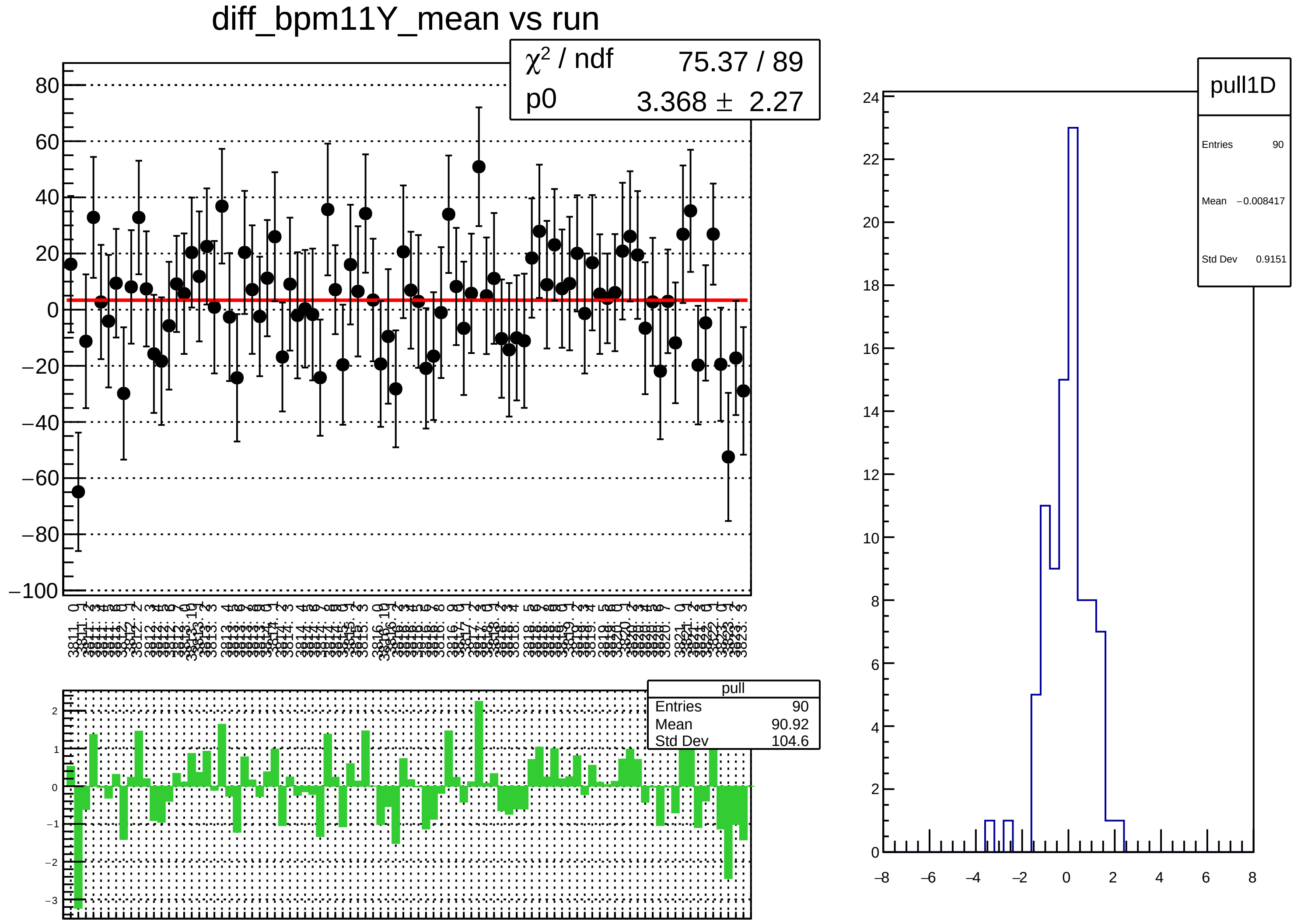

diff_bpm1Y_rms vs run
χ^2 / ndf 6180 / 89
p0 5066 ± 3.872
5800
5600
5400
5200
5000
4800
4600
4400

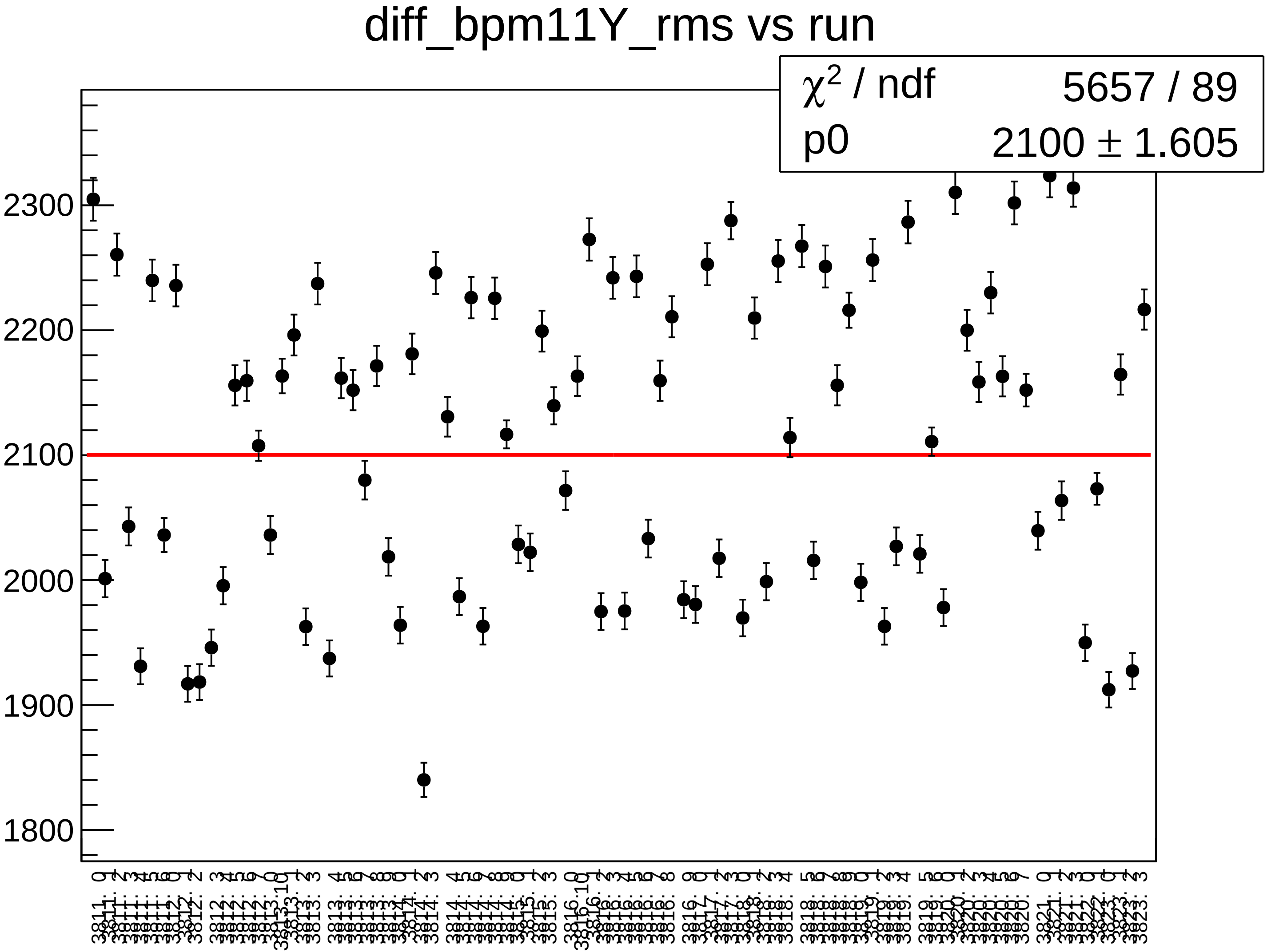


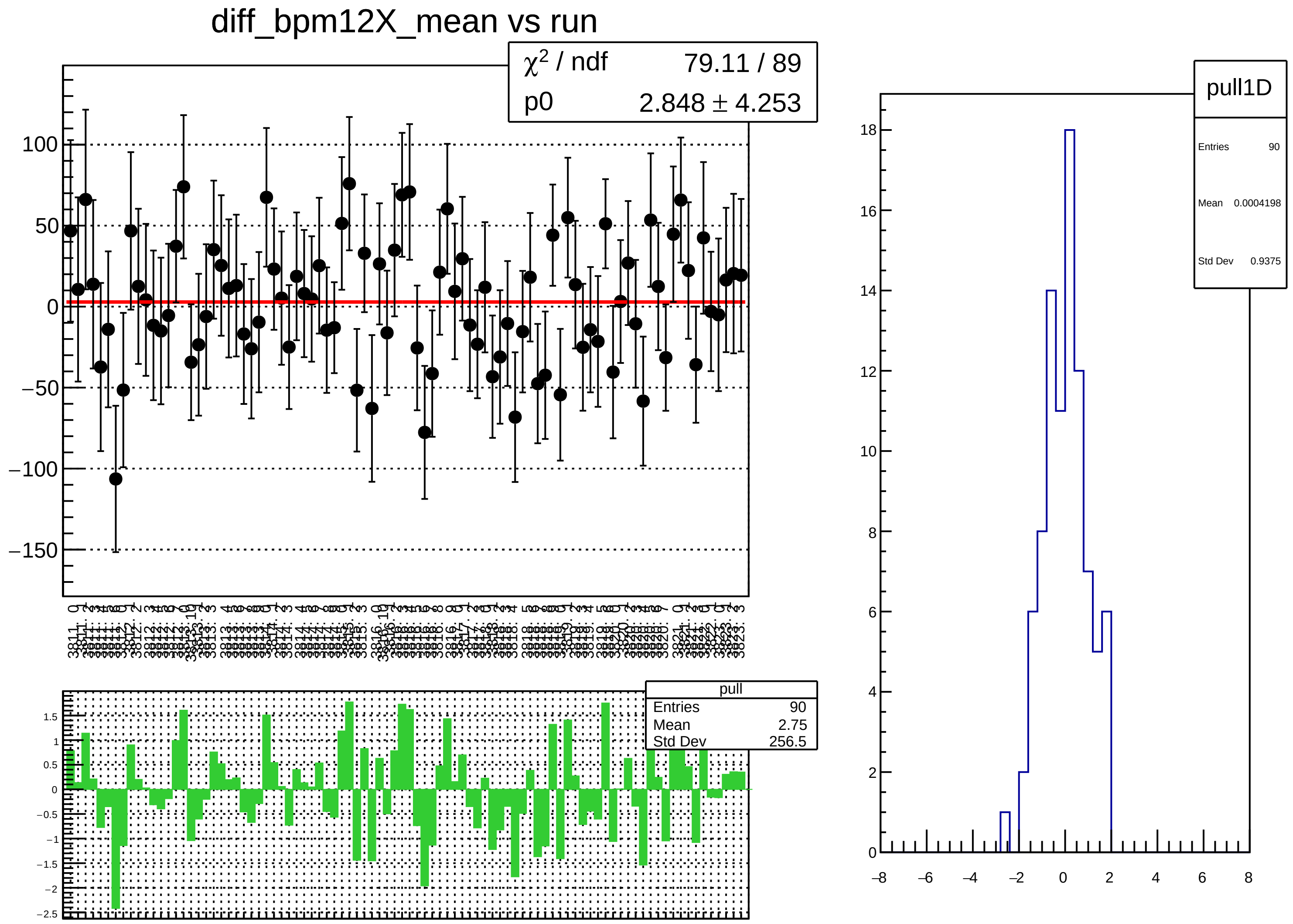
diff_bpm11X_mean vs run
χ^2 / ndf 76.31 / 89
p0 6.087 ± 5.958
pull
Entries 90
Mean −339.7
Std Dev 393.9
pull1D
Entries 90
Mean −0.006012
Std Dev 0.9208



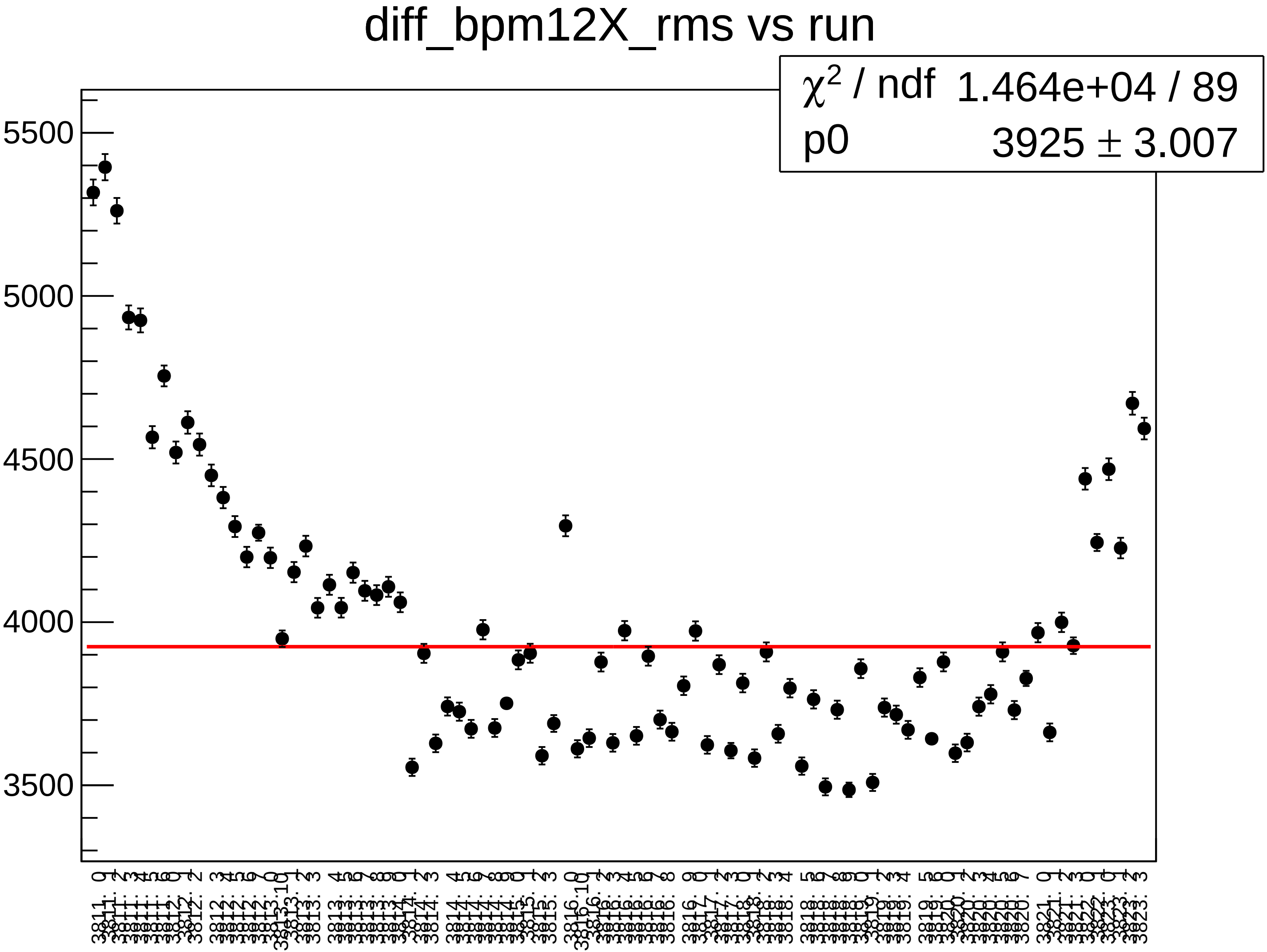
diff_bpm11X_rms vs run
χ2 / ndf 6175 / 89
p0 5511 ± 4.213
7000
6500
6000
5500
5000


diff_bpm11Y_mean vs run
χ^2 / ndf 75.37 / 89
p0 3.368 ± 2.27
pull
Entries 90
Mean 90.92
Std Dev 104.6
pull1D
Entries 90
Mean −0.008417
Std Dev 0.9151

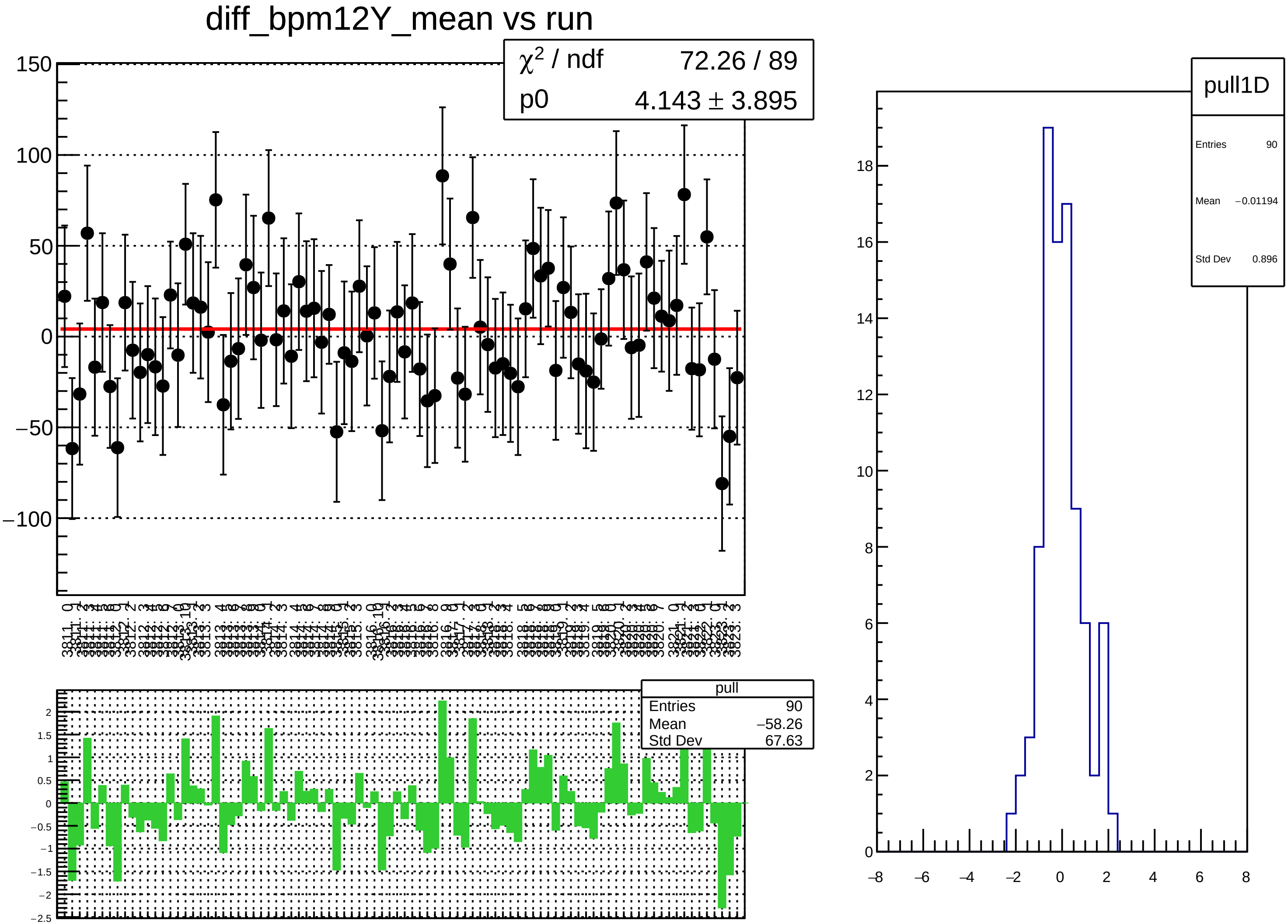

diff_bpm11Y_rms vs run
χ^2 / ndf 5657 / 89
p0 2100 ± 1.605
2300
2200
2100
2000
1900
1800



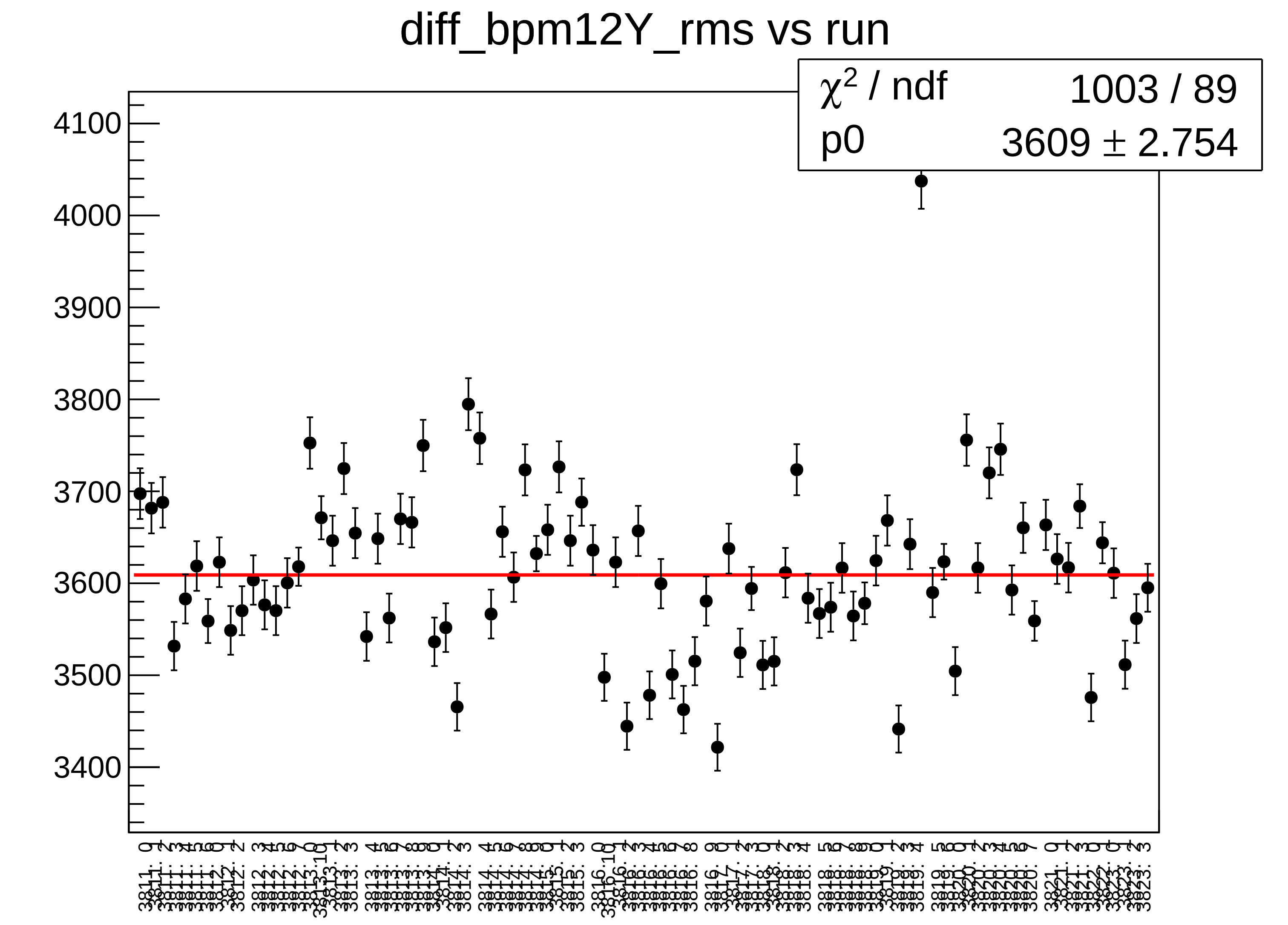
diff_bpm12X_mean vs run
χ^2 / ndf 79.11 / 89
p0 2.848 ± 4.253
100
50
0
−50
−100
−150
pull
Entries 90
Mean 2.75
Std Dev 256.5
pull1D
Entries 90
Mean 0.0004198
Std Dev 0.9375

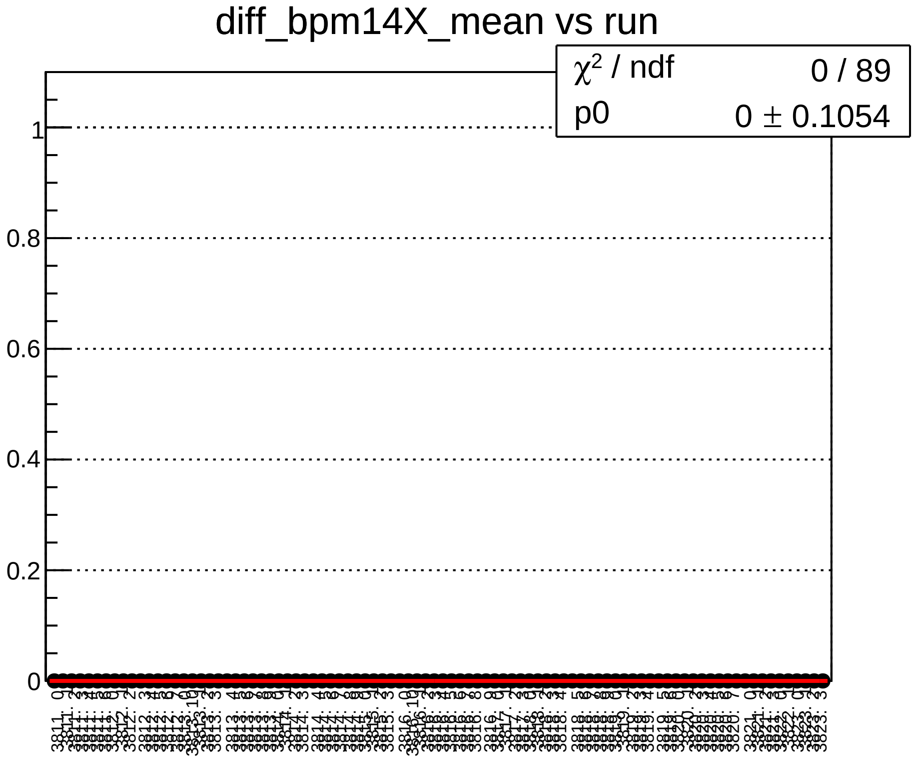


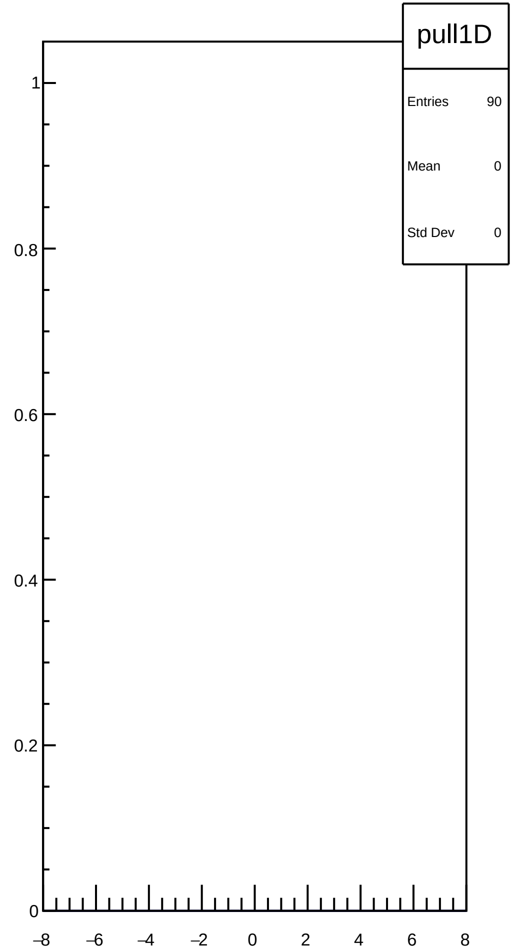
diff_bpm12X_rms vs run
χ2 / ndf 1.464e+04 / 89
p0 3925 ± 3.007
5500
5000
4500
4000
3500

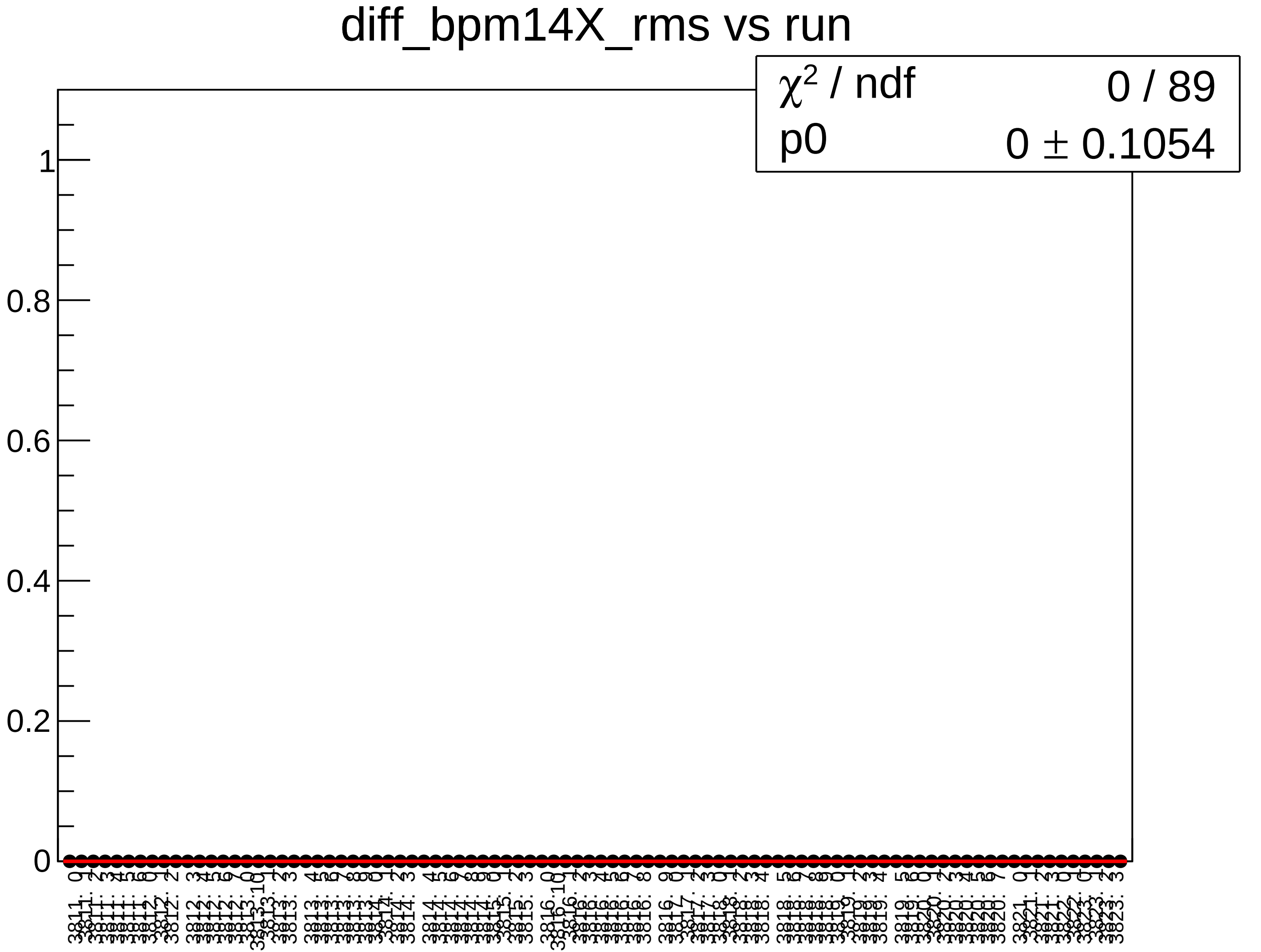


diff_bpm12Y_mean vs run
χ^2 / ndf 72.26 / 89
p0 4.143 ± 3.895
pull
Entries 90
Mean −58.26
Std Dev 67.63
pull1D
Entries 90
Mean −0.01194
Std Dev 0.896

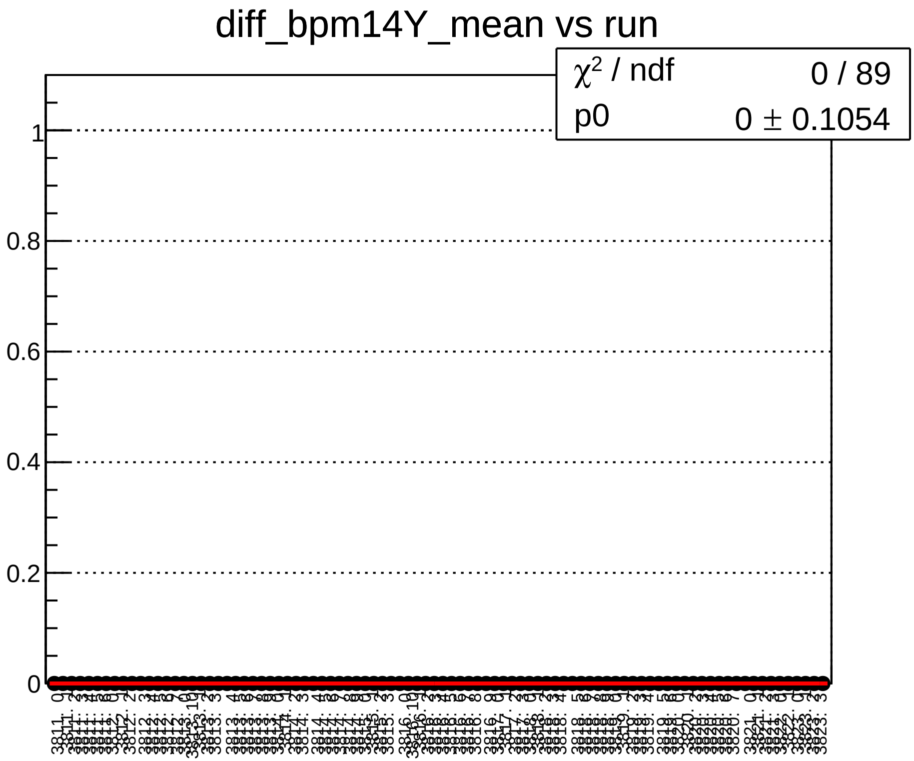

diff_bpm12Y_rms vs run
χ2 / ndf 1003 / 89
p0 3609 ± 2.754
4100
4000
3900
3800
3700
3600
3500
3400


diff_bpm14X_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

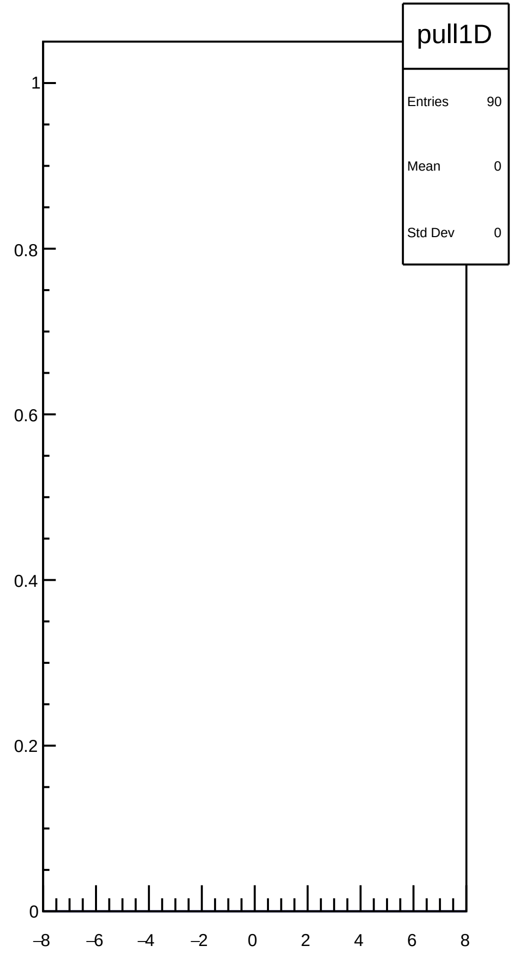

pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8



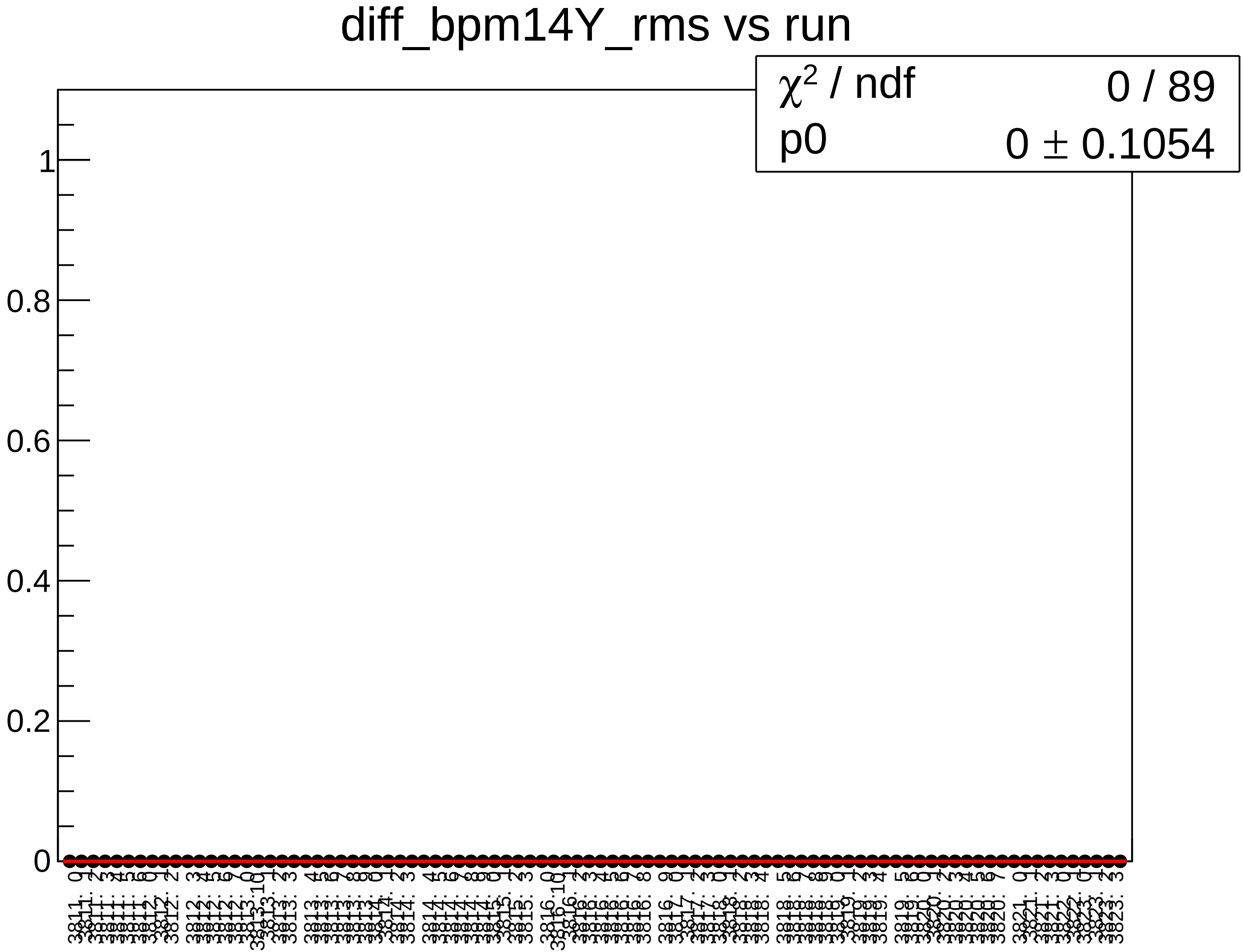
diff_bpm14X_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

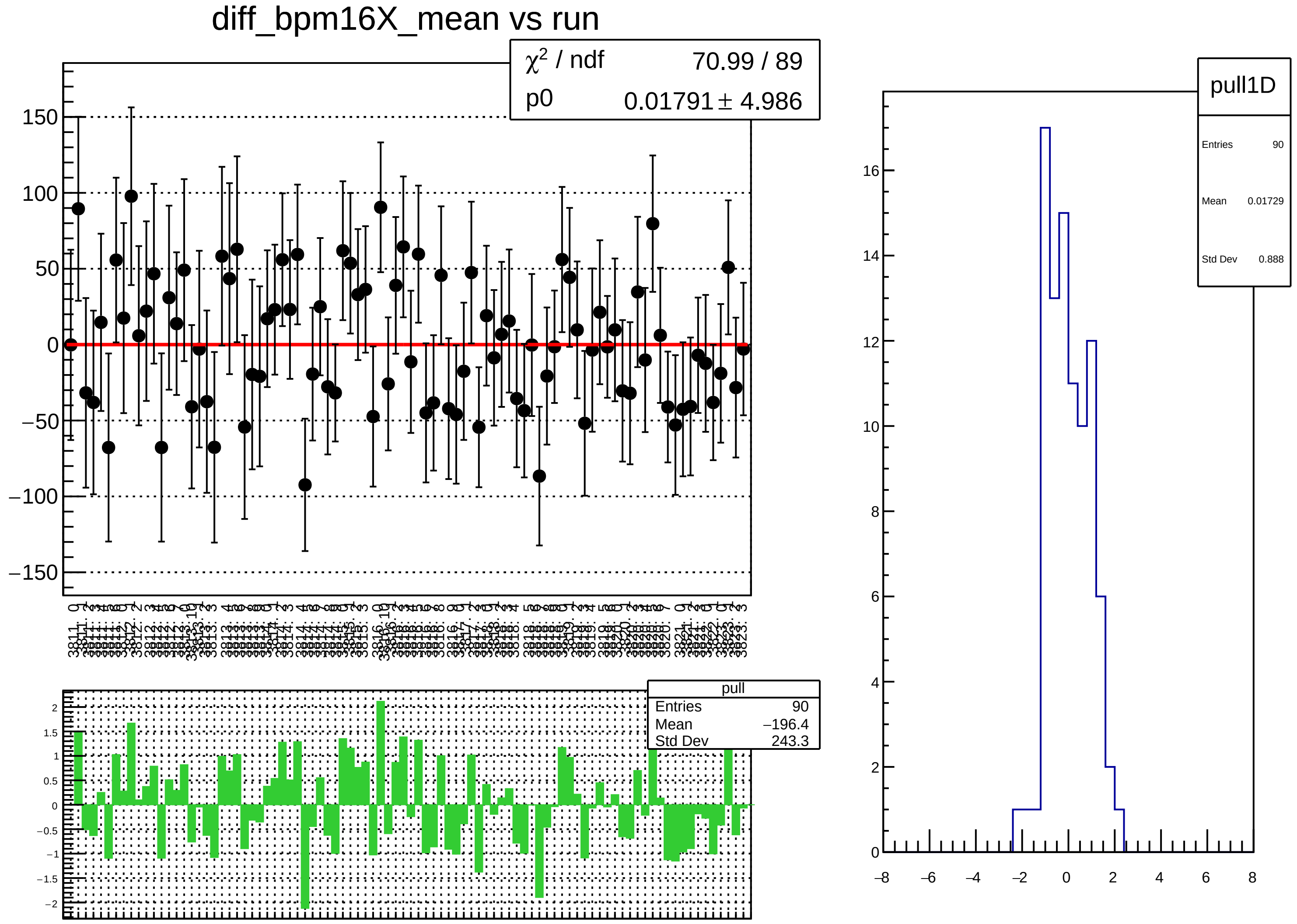


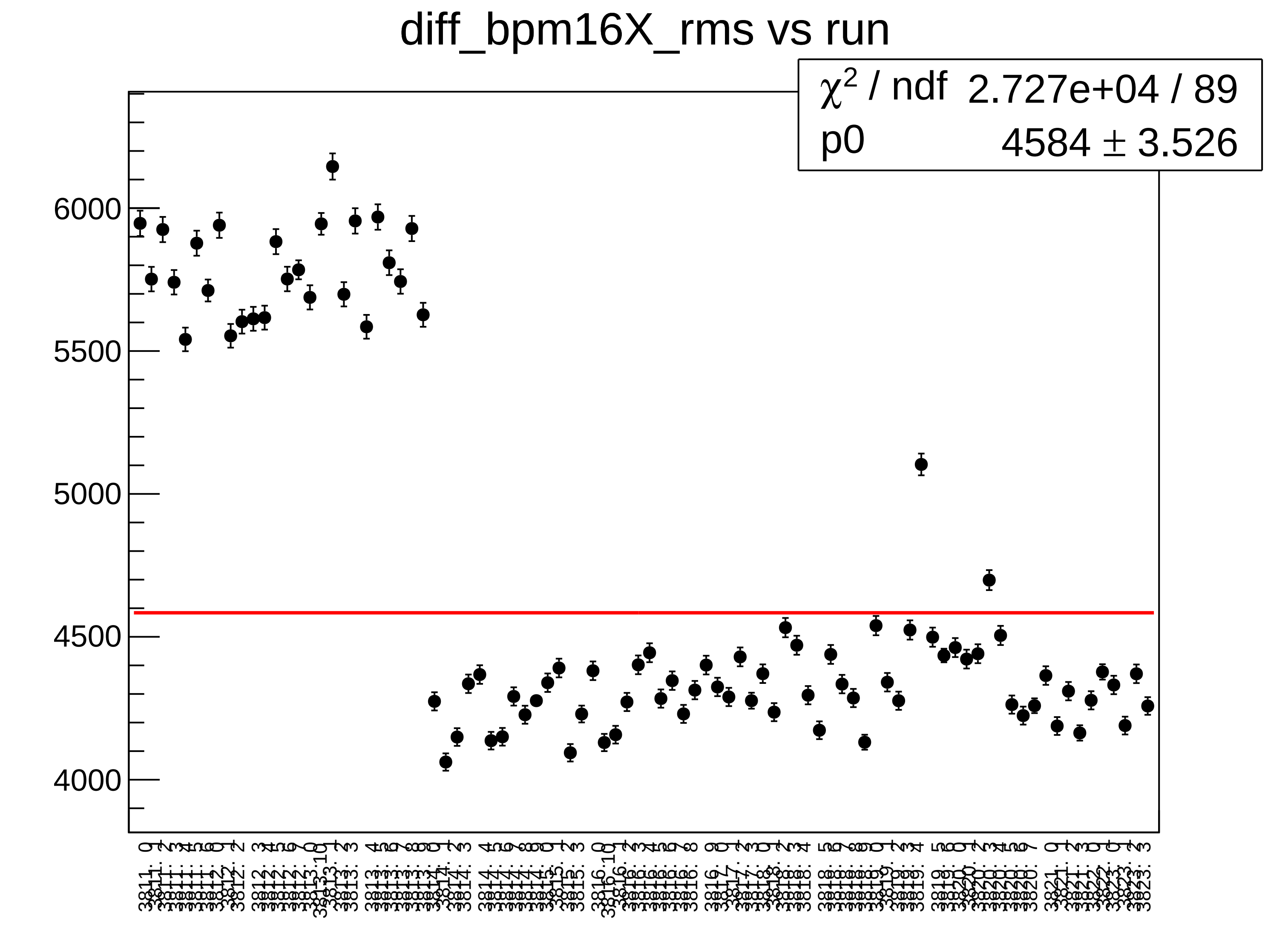
diff_bpm14Y_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

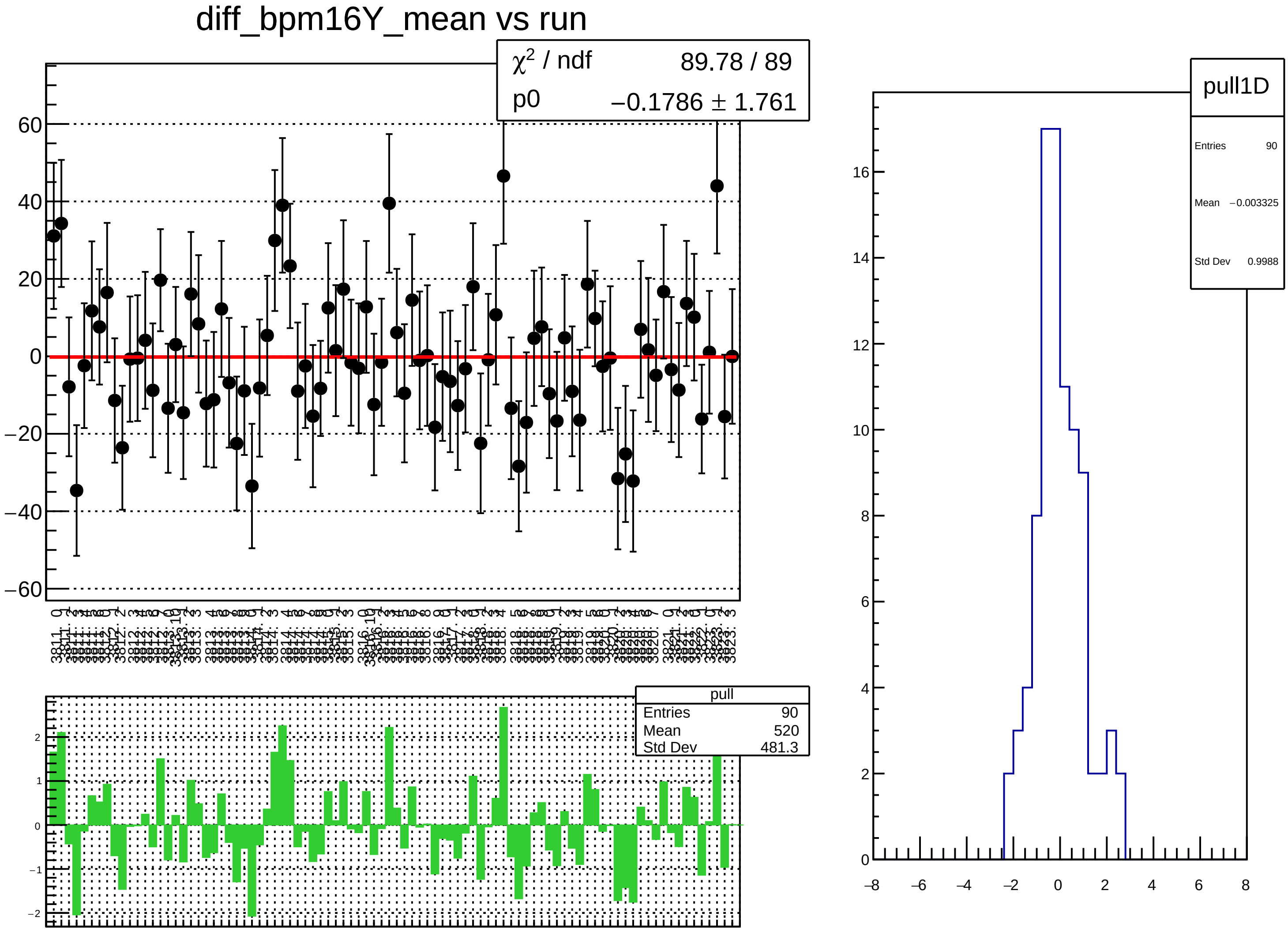


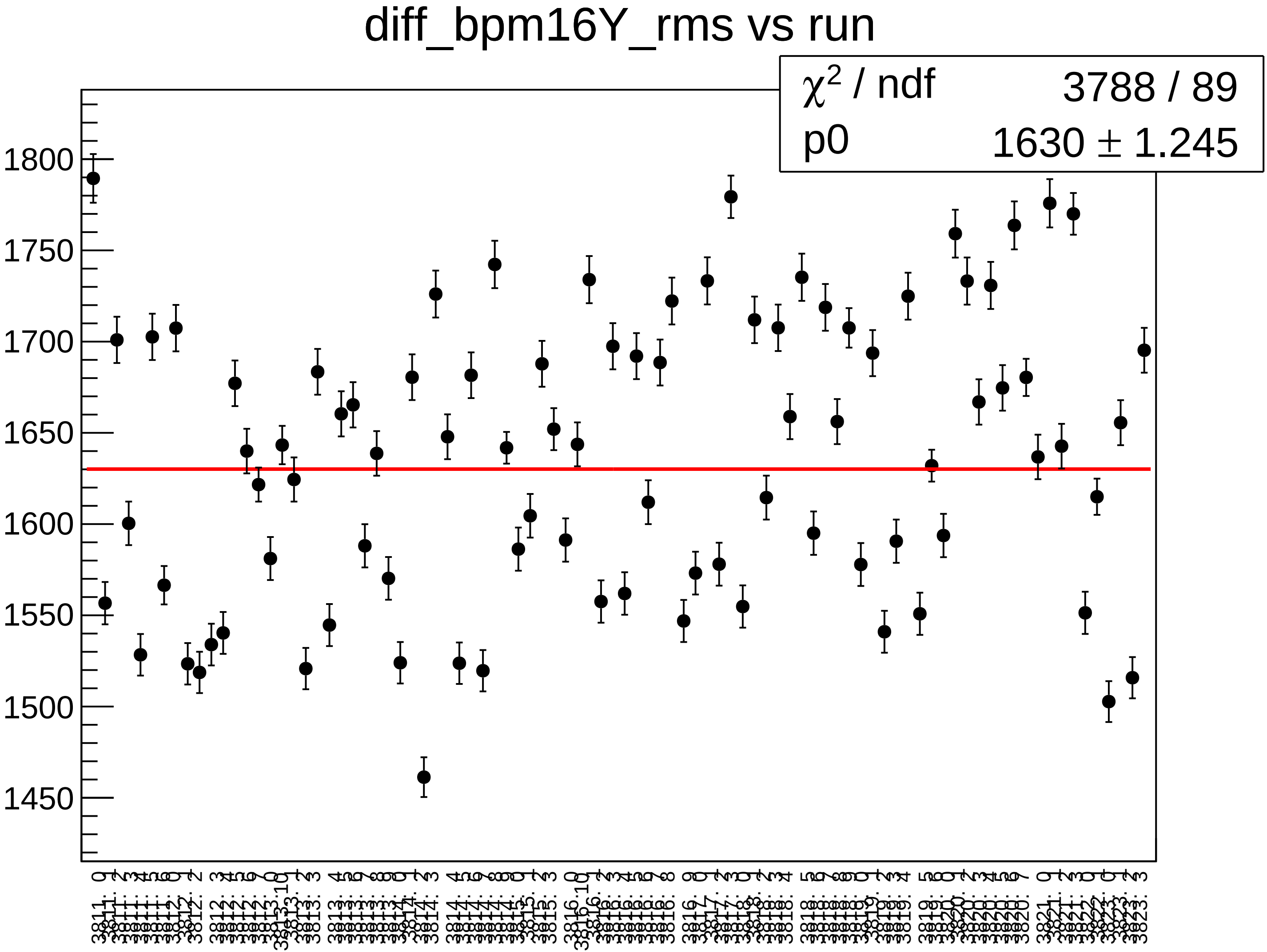
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8 –6 –4 –2 0 2 4 6 8

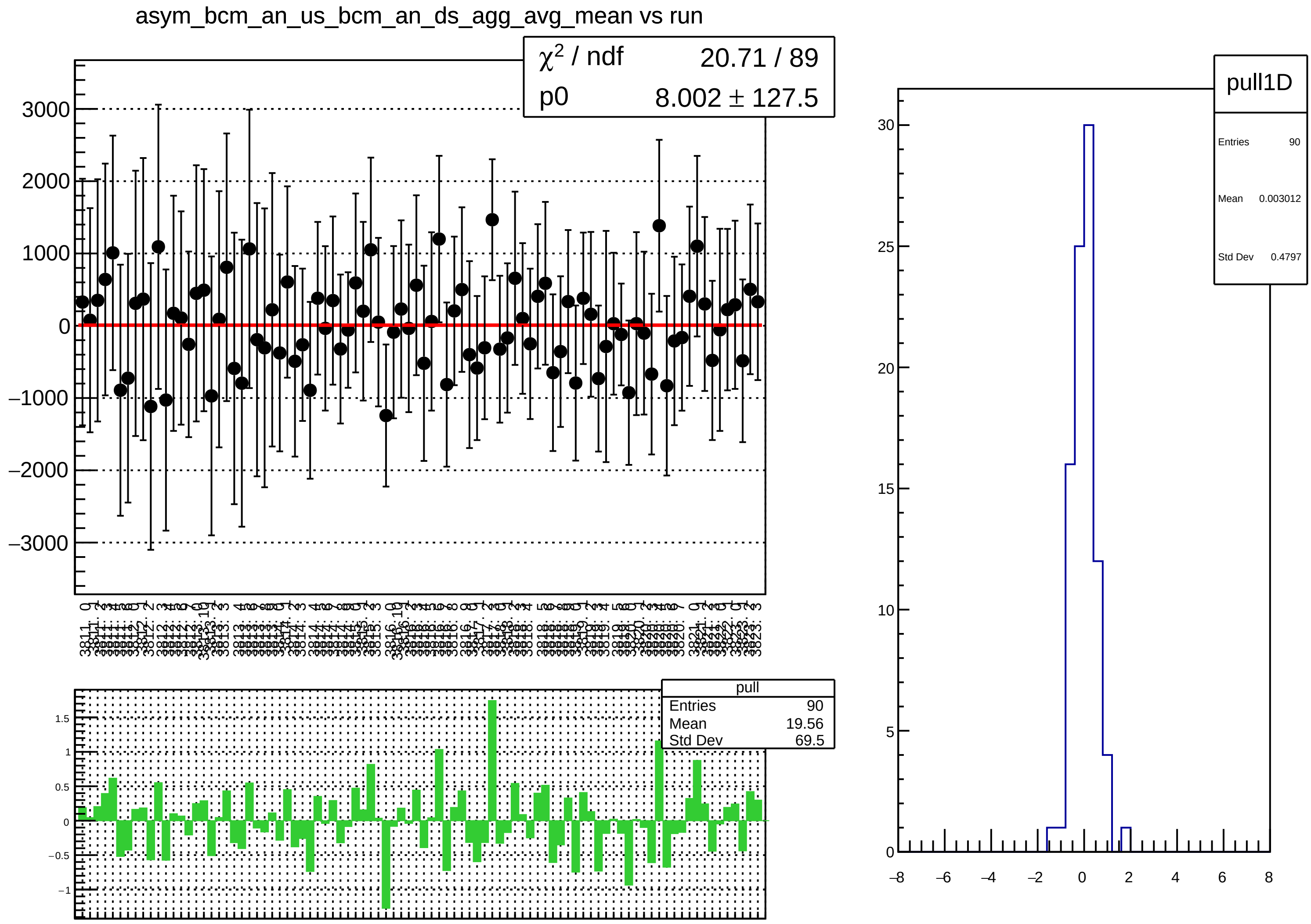

diff_bpm14Y_rms vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

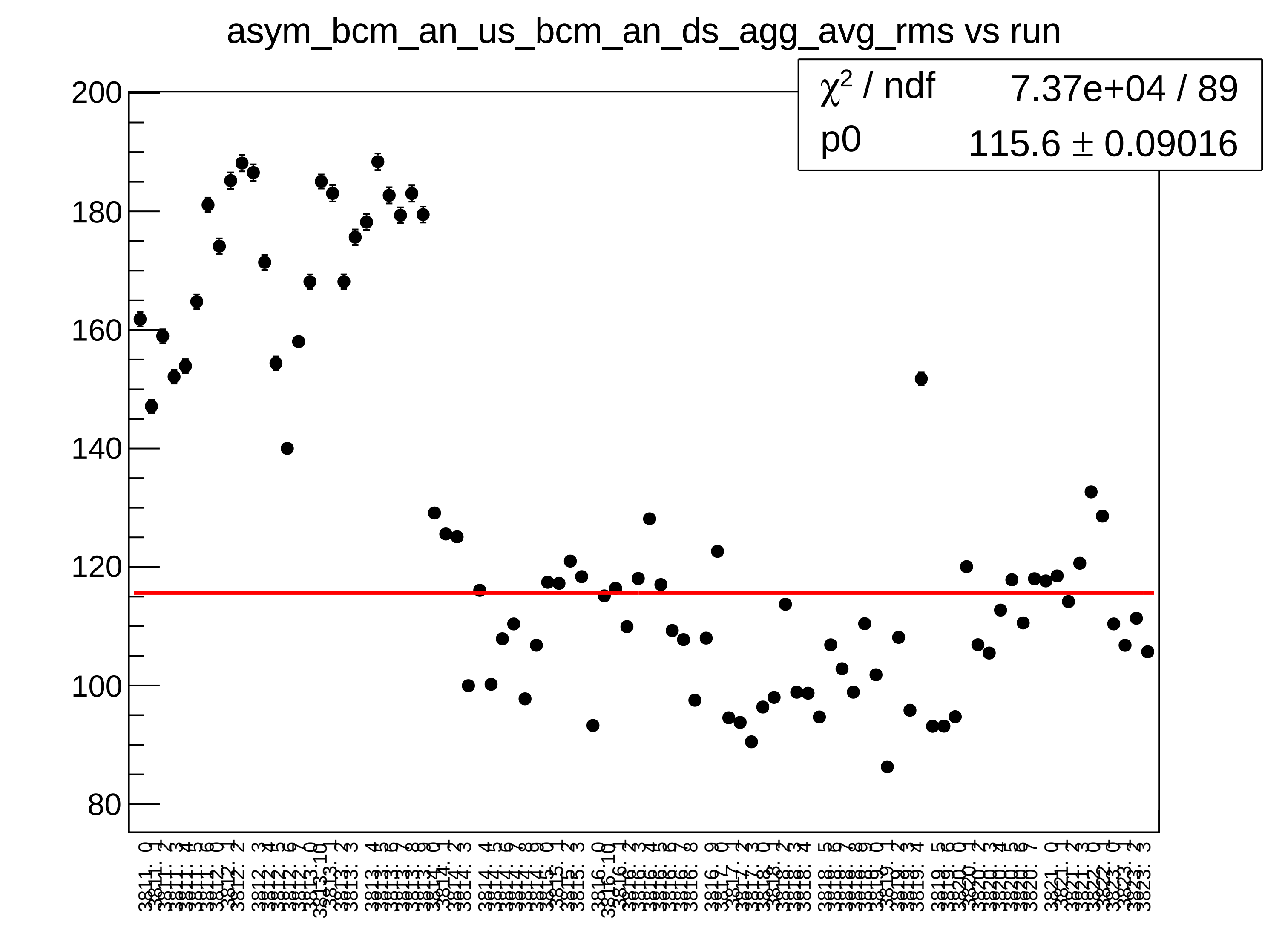

diff_bpm16X_mean vs run
χ2 / ndf 70.99 / 89
p0 0.01791 ± 4.986
pull
Entries 90
Mean −196.4
Std Dev 243.3
pull1D
Entries 90
Mean 0.01729
Std Dev 0.888

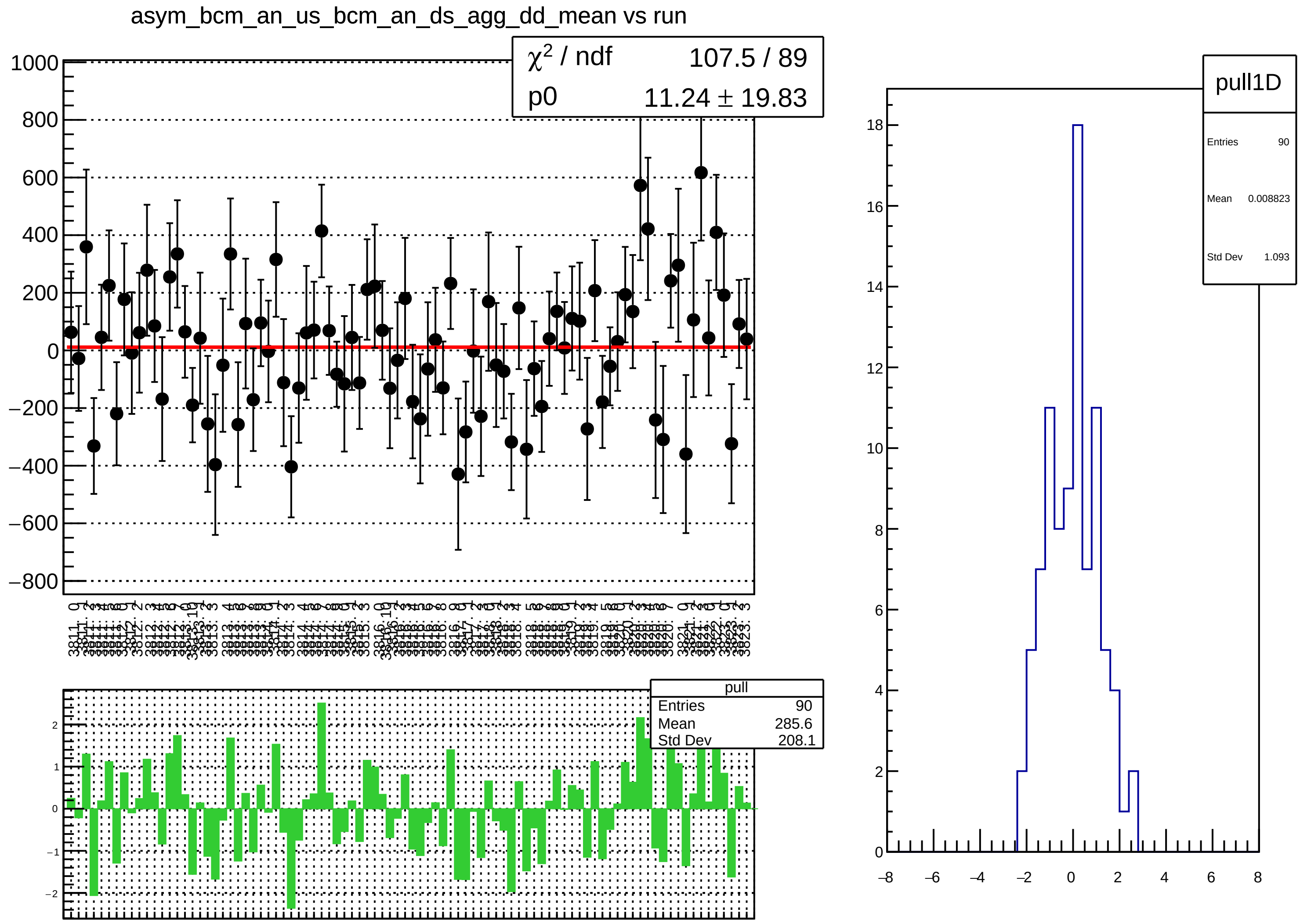

diff_bpm16X_rms vs run
χ^2 / ndf 2.727e+04 / 89
p0 4584 ± 3.526
6000
5500
5000
4500
4000


diff_bpm16Y_mean vs run
χ^2 / ndf 89.78 / 89
p0 −0.1786 ± 1.761
pull
Entries 90
Mean 520
Std Dev 481.3
pull1D
Entries 90
Mean −0.003325
Std Dev 0.9988

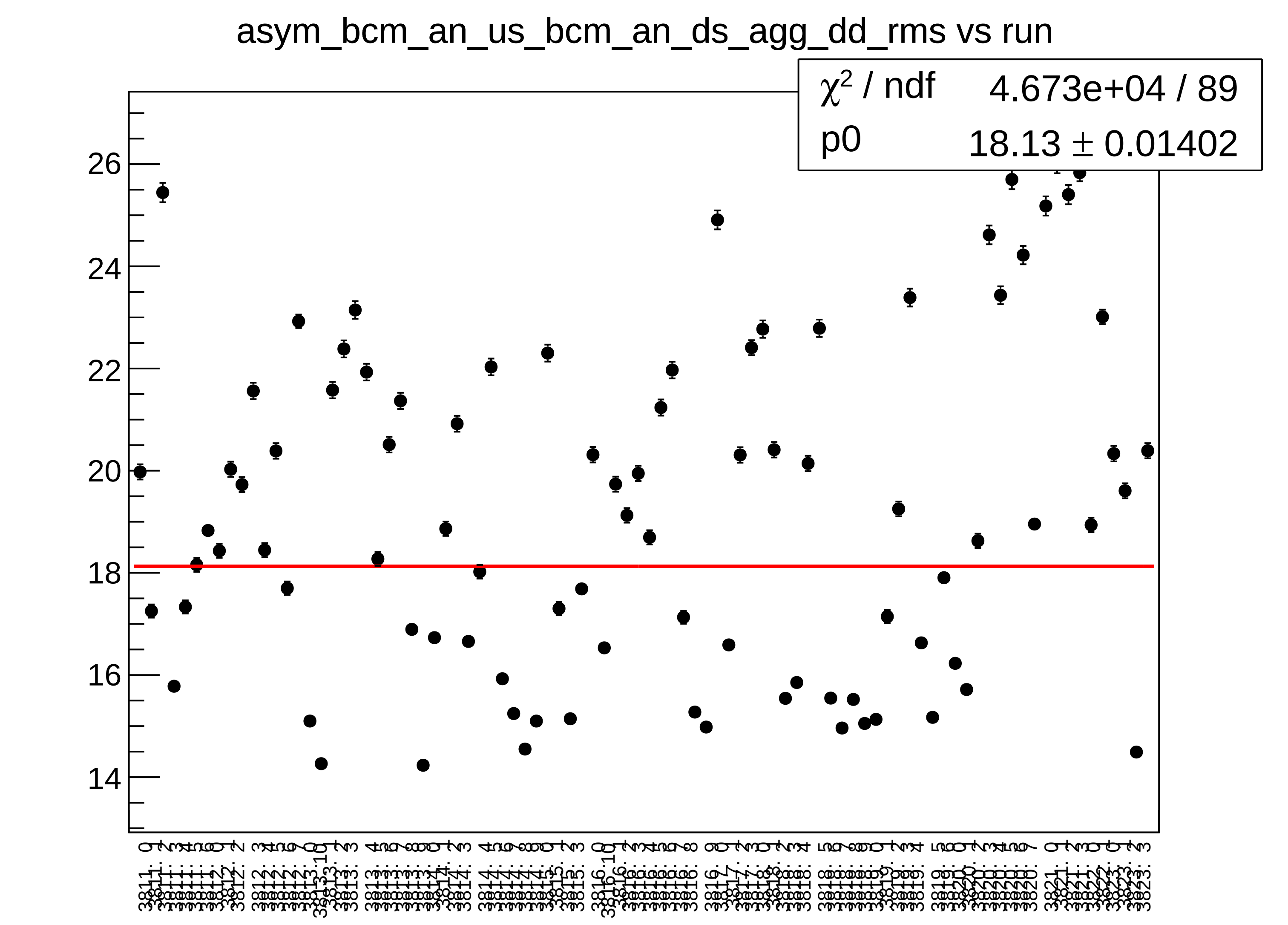

diff_bpm16Y_rms vs run
χ^2 / ndf 3788 / 89
p0 1630 ± 1.245
1800
1750
1700
1650
1600
1550
1500
1450

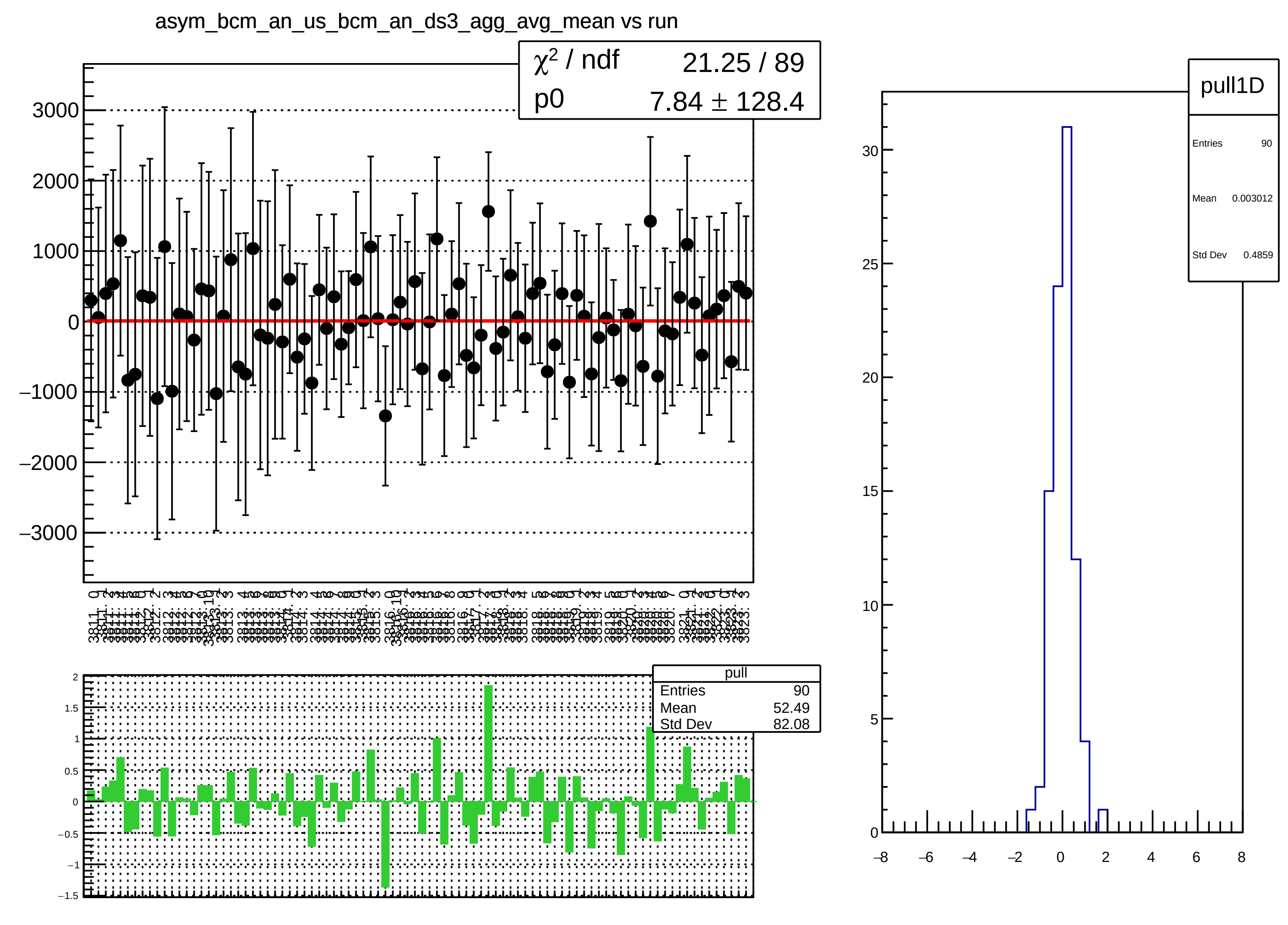

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 20.71 / 89
p0 8.002 ± 127.5
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 90
Mean 19.56
Std Dev 69.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 90
Mean 0.003012
Std Dev 0.4797
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 7.37e+04 / 89
p0 115.6 ± 0.09016
200
180
160
140
120
100
80

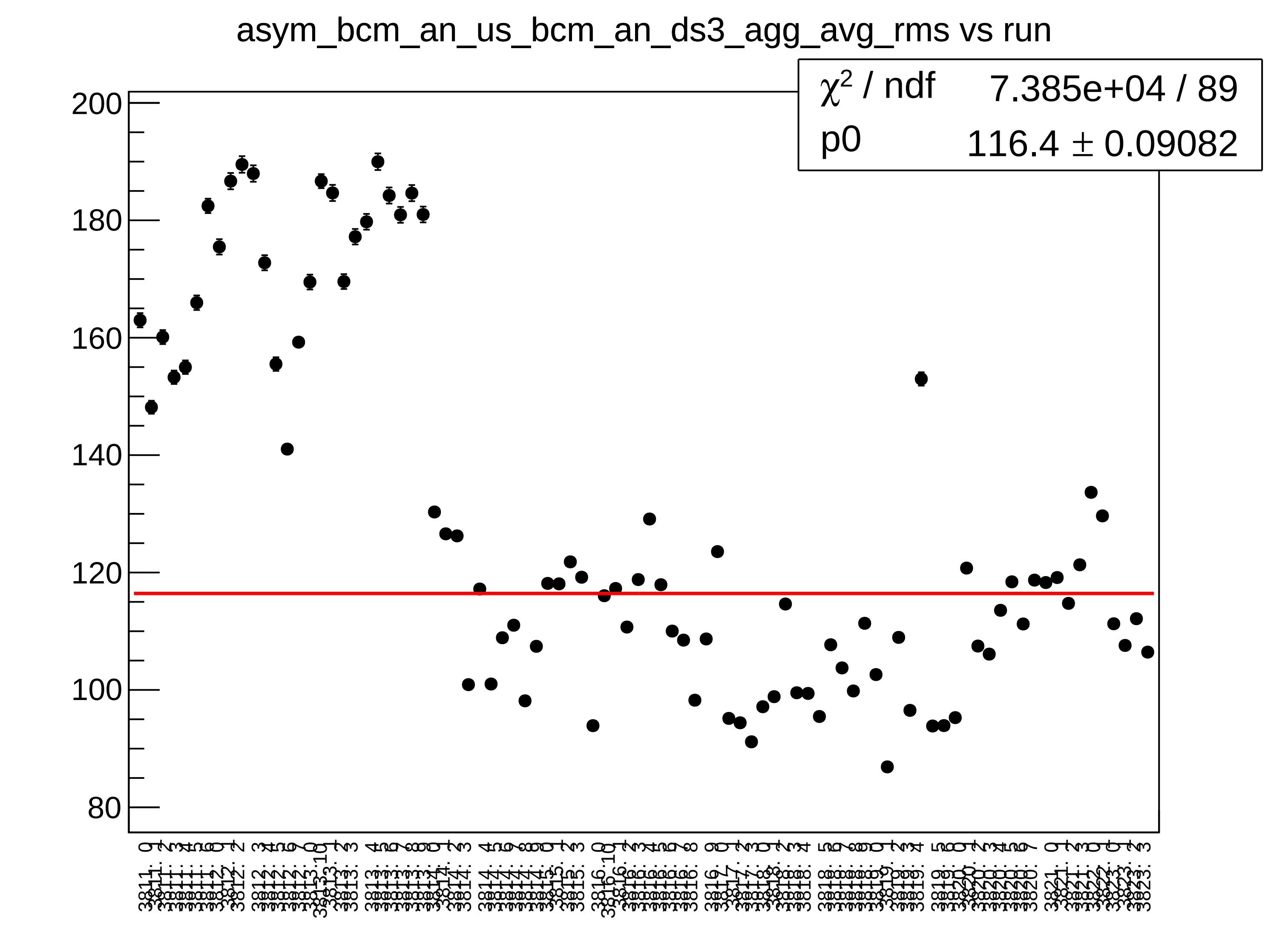


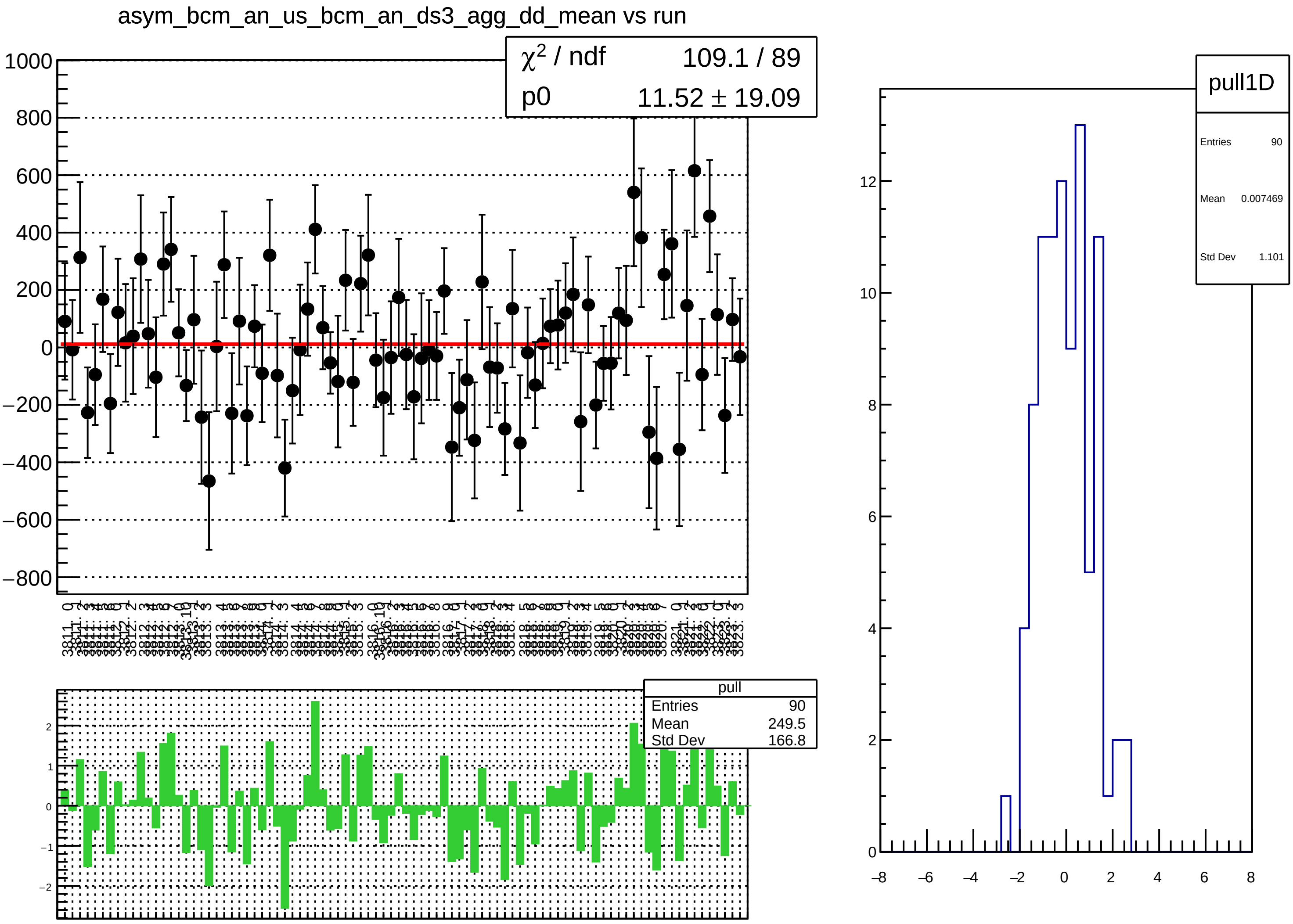
asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 107.5 / 89
p0 11.24 ± 19.83
pull
Entries 90
Mean 285.6
Std Dev 208.1
pull1D
Entries 90
Mean 0.008823
Std Dev 1.093

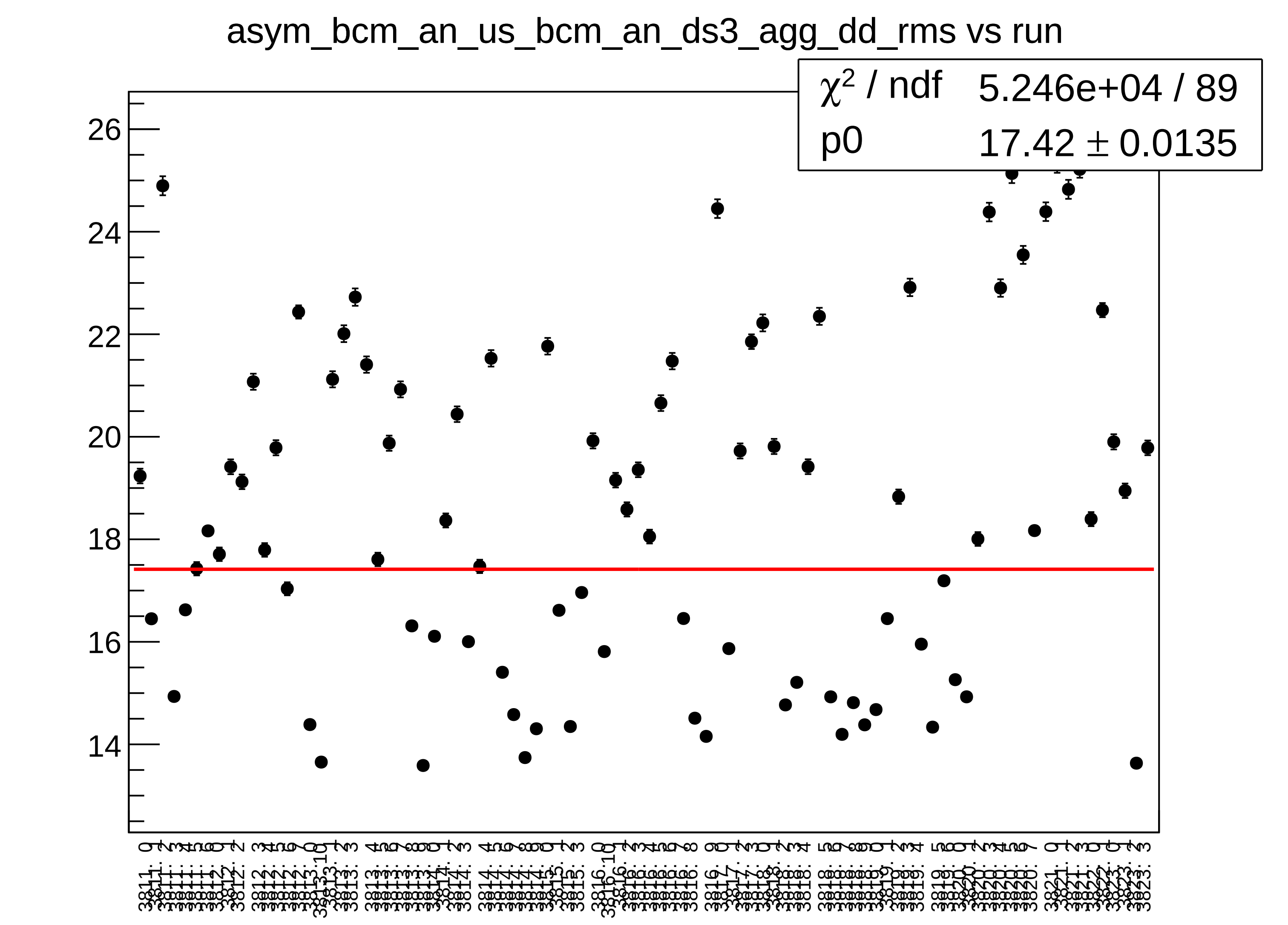

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 4.673e+04 / 89
p0 18.13 ± 0.01402
26
24
22
20
18
16
14

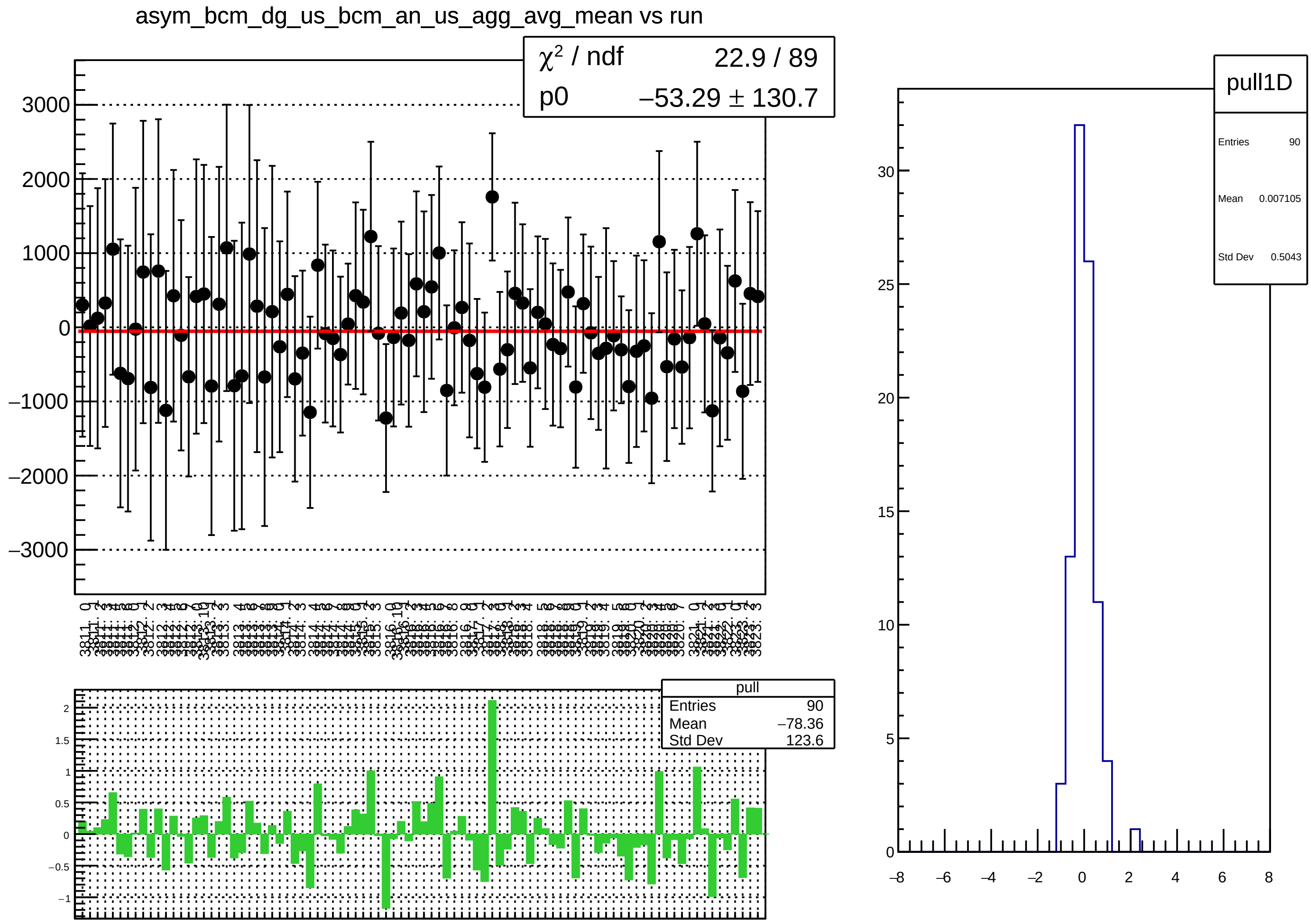


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 21.25 / 89
p0 7.84 ± 128.4
pull
Entries 90
Mean 52.49
Std Dev 82.08
pull1D
Entries 90
Mean 0.003012
Std Dev 0.4859

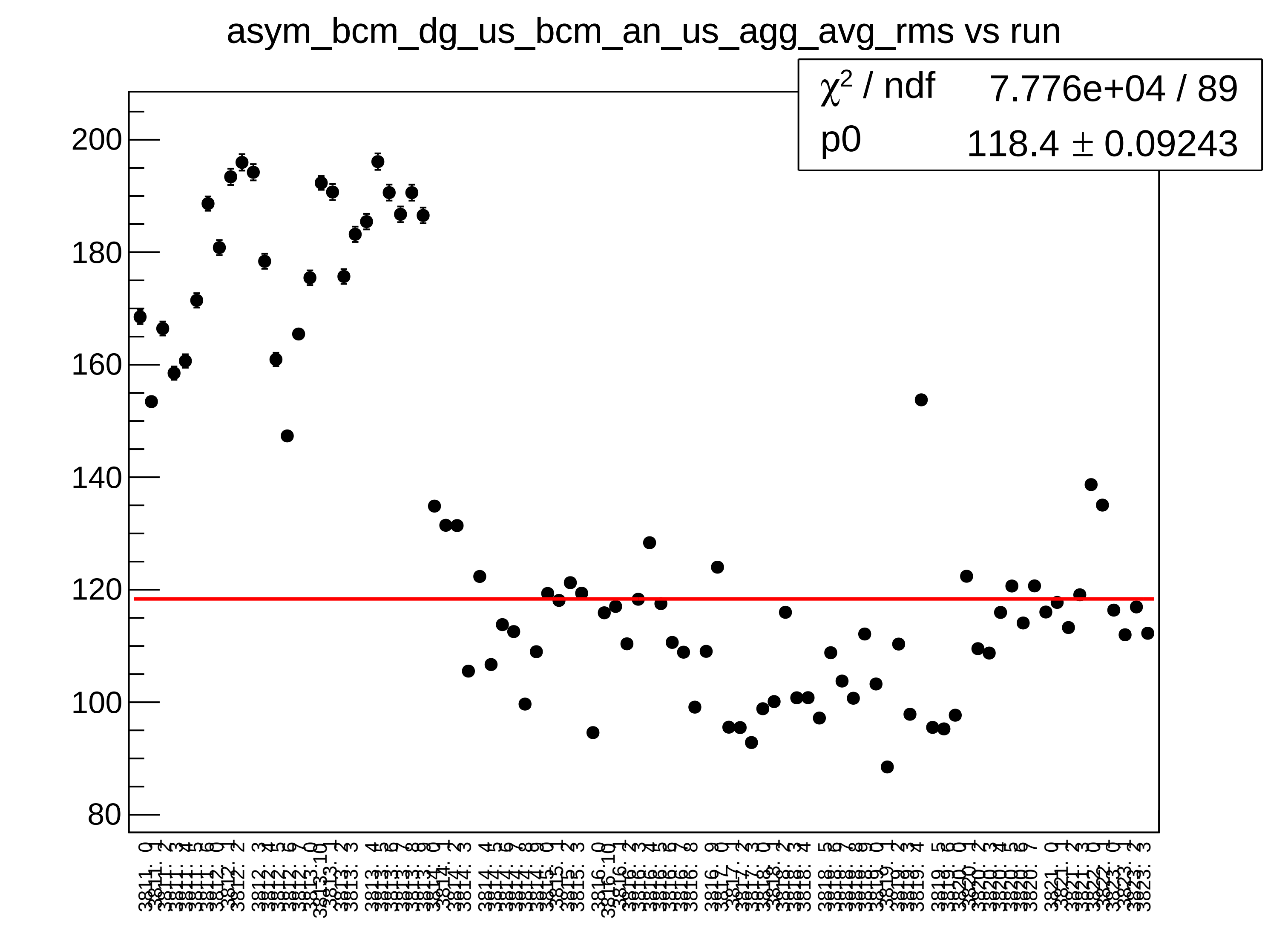

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 7.385e+04 / 89
p0 116.4 ± 0.09082
200
180
160
140
120
100
80

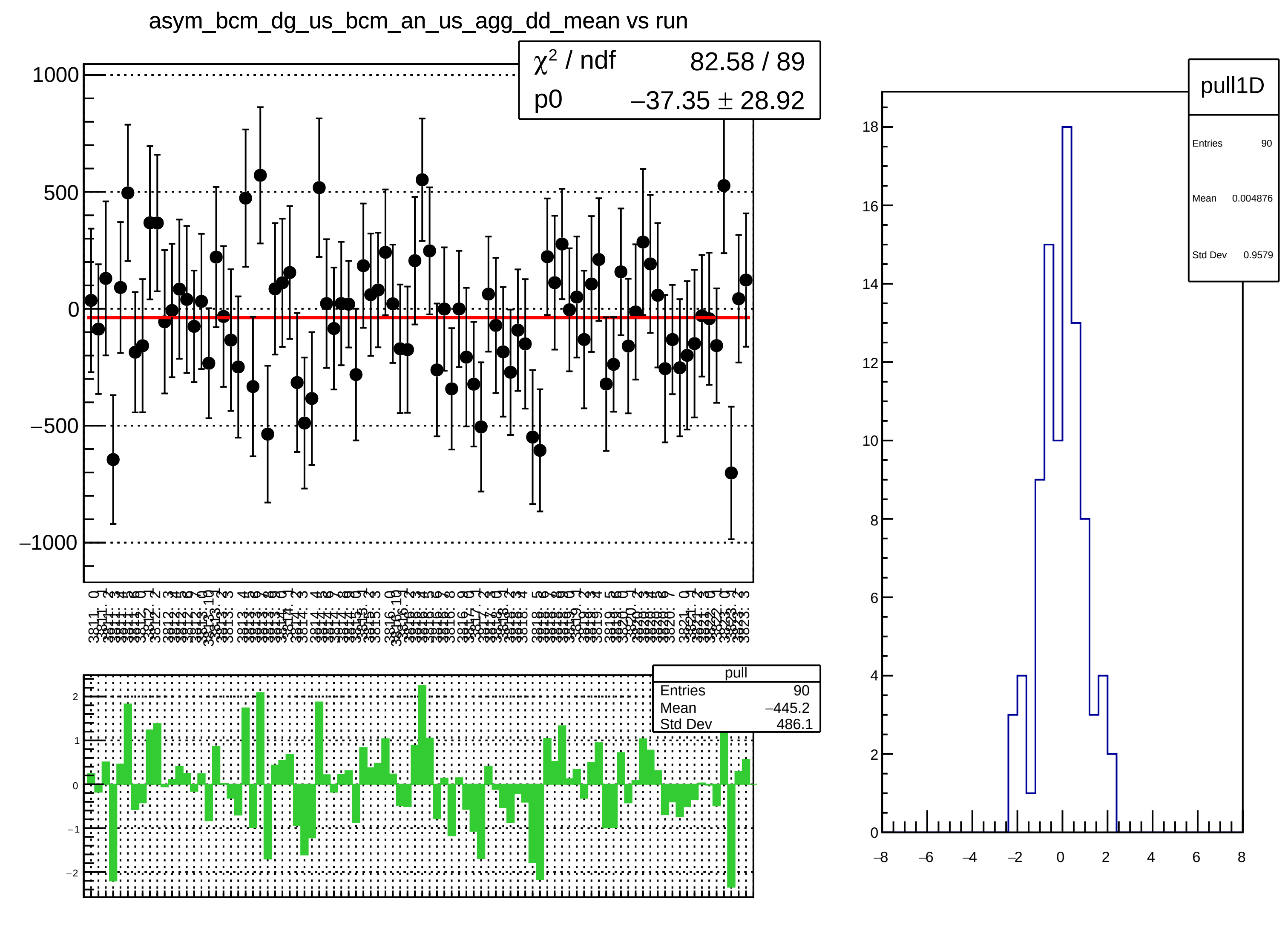

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ^2 / ndf 109.1 / 89
p0 11.52 ± 19.09
pull
Entries 90
Mean 249.5
Std Dev 166.8
pull1D
Entries 90
Mean 0.007469
Std Dev 1.101



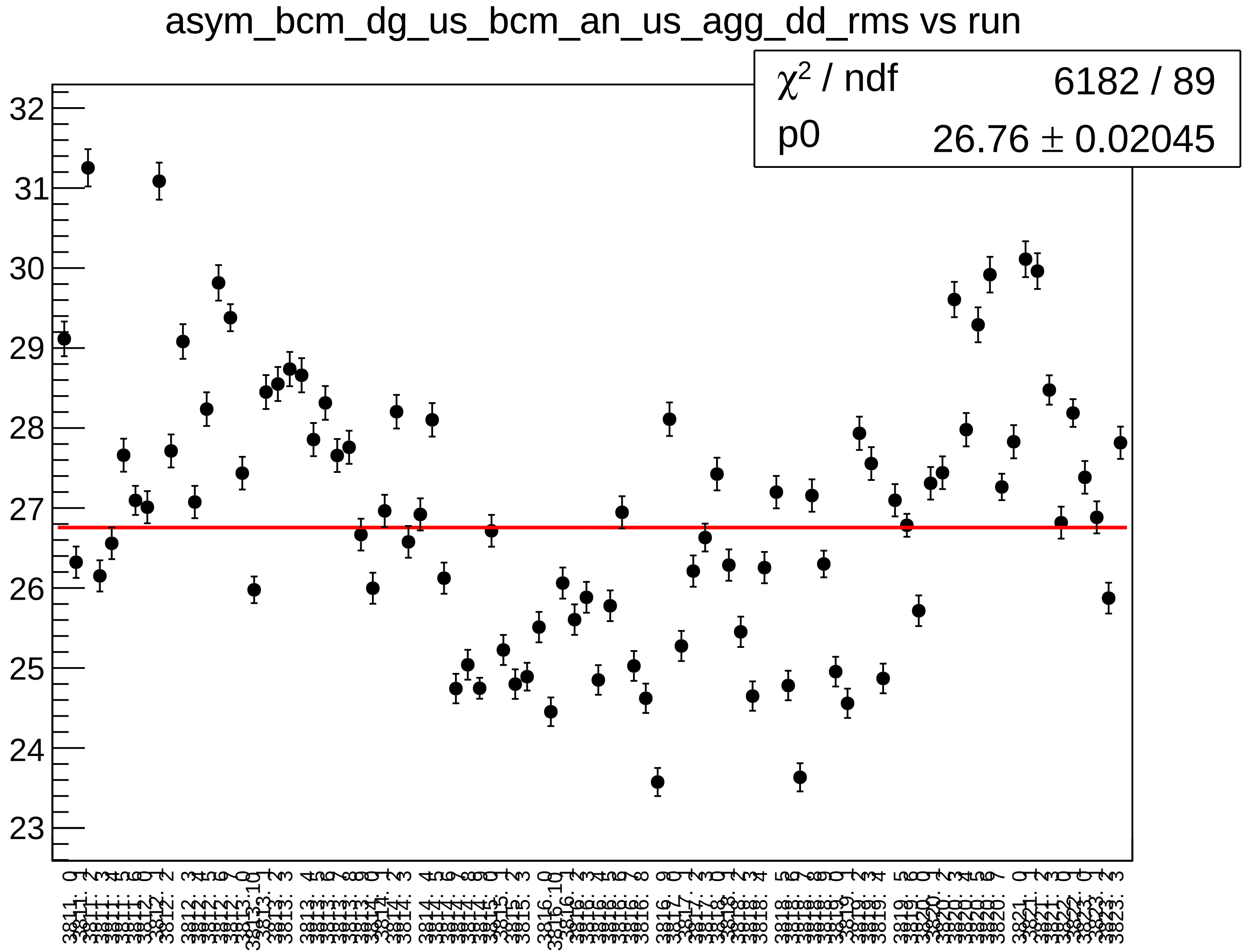


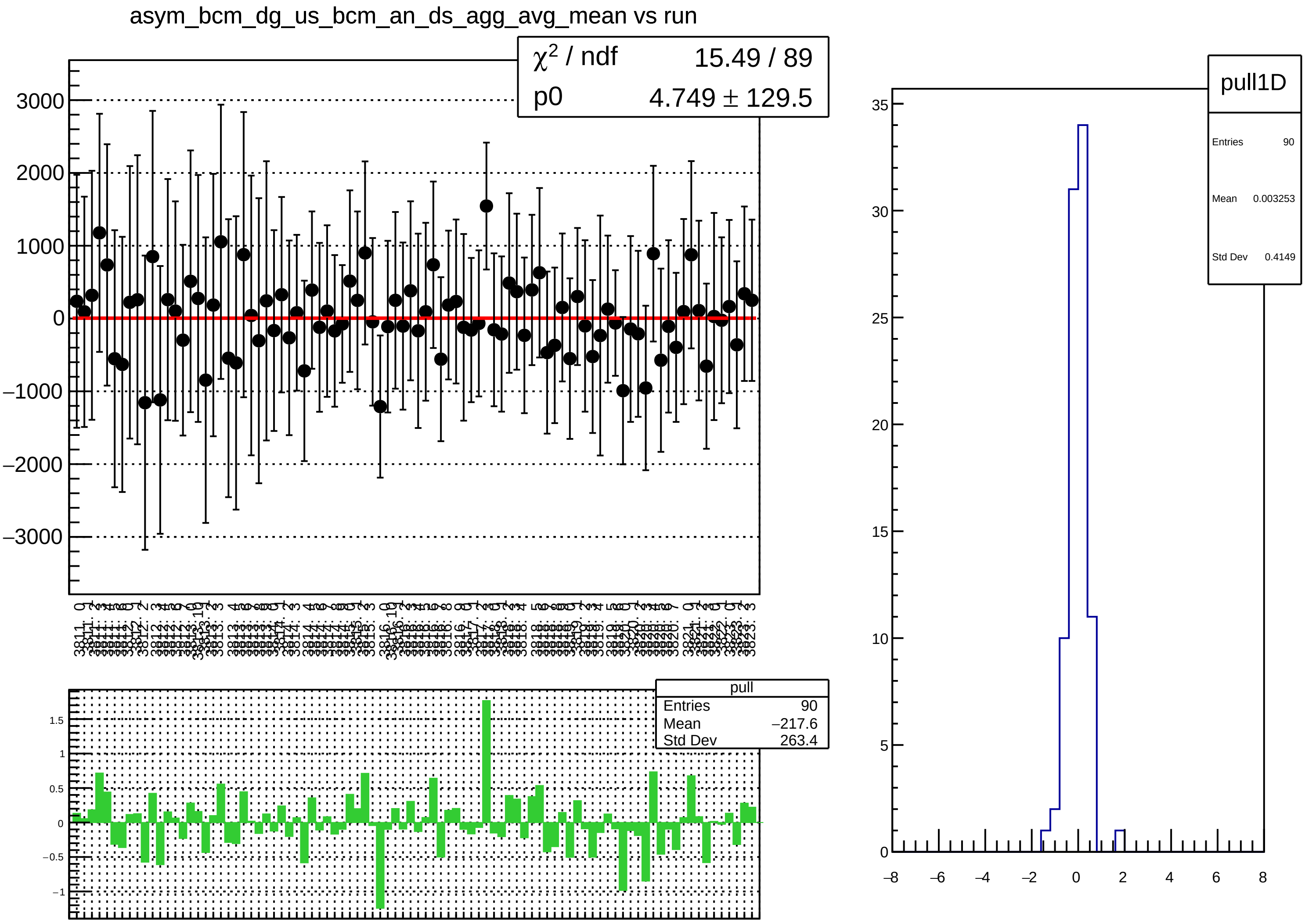
asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 22.9 / 89
p0 −53.29 ± 130.7
pull
Entries 90
Mean −78.36
Std Dev 123.6
pull1D
Entries 90
Mean 0.007105
Std Dev 0.5043

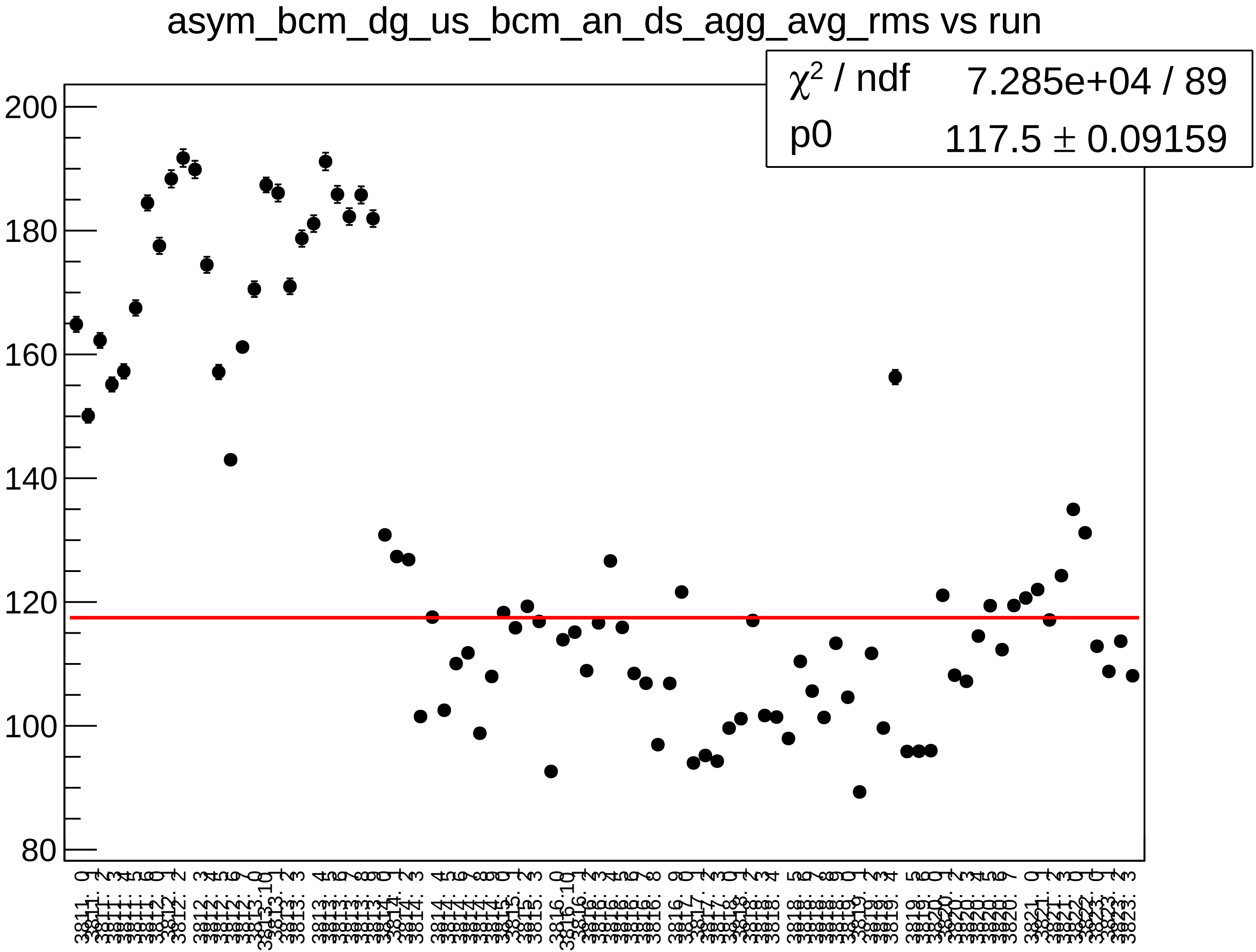

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 7.776e+04 / 89
p0 118.4 ± 0.09243
200
180
160
140
120
100
80

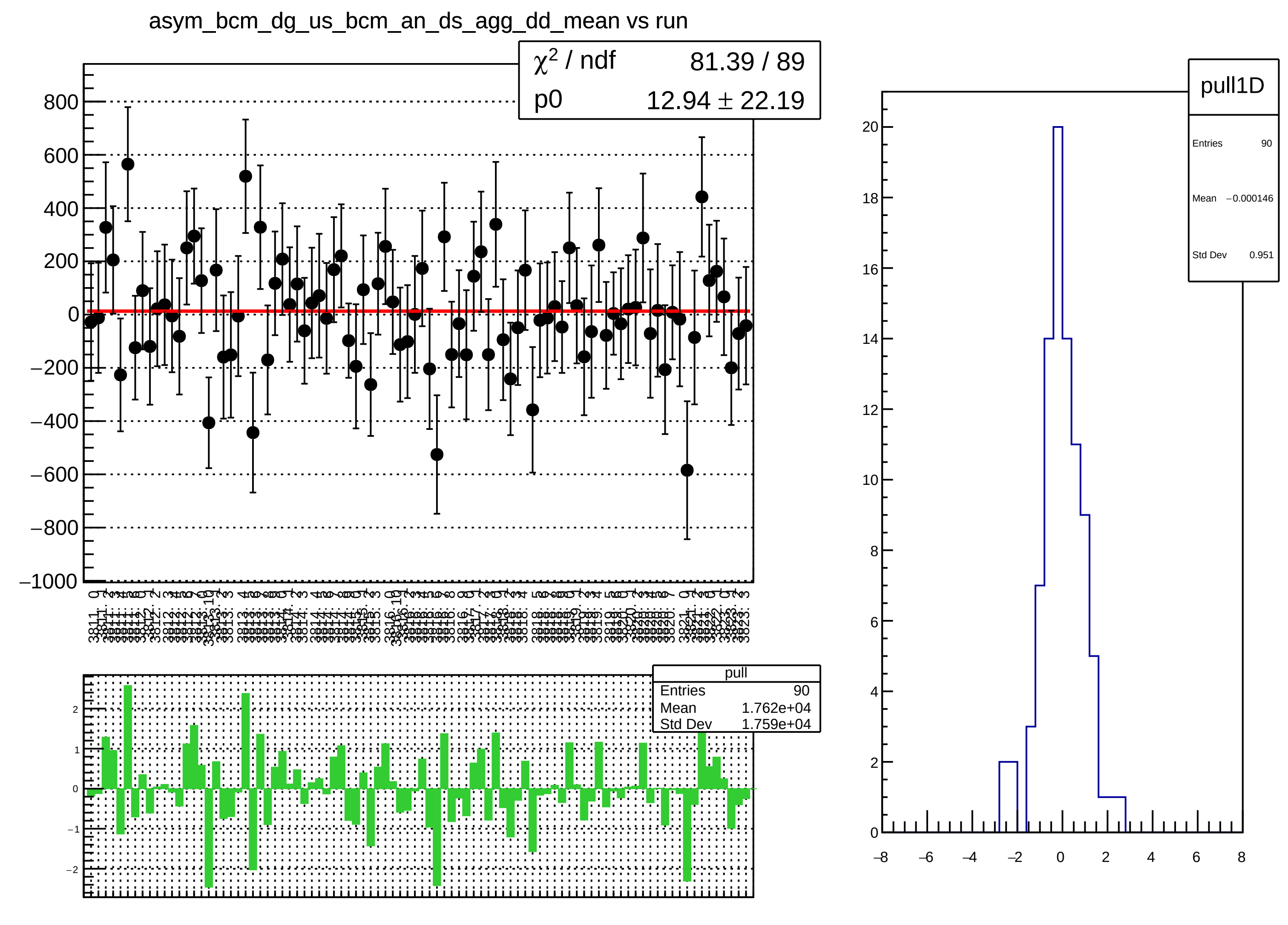


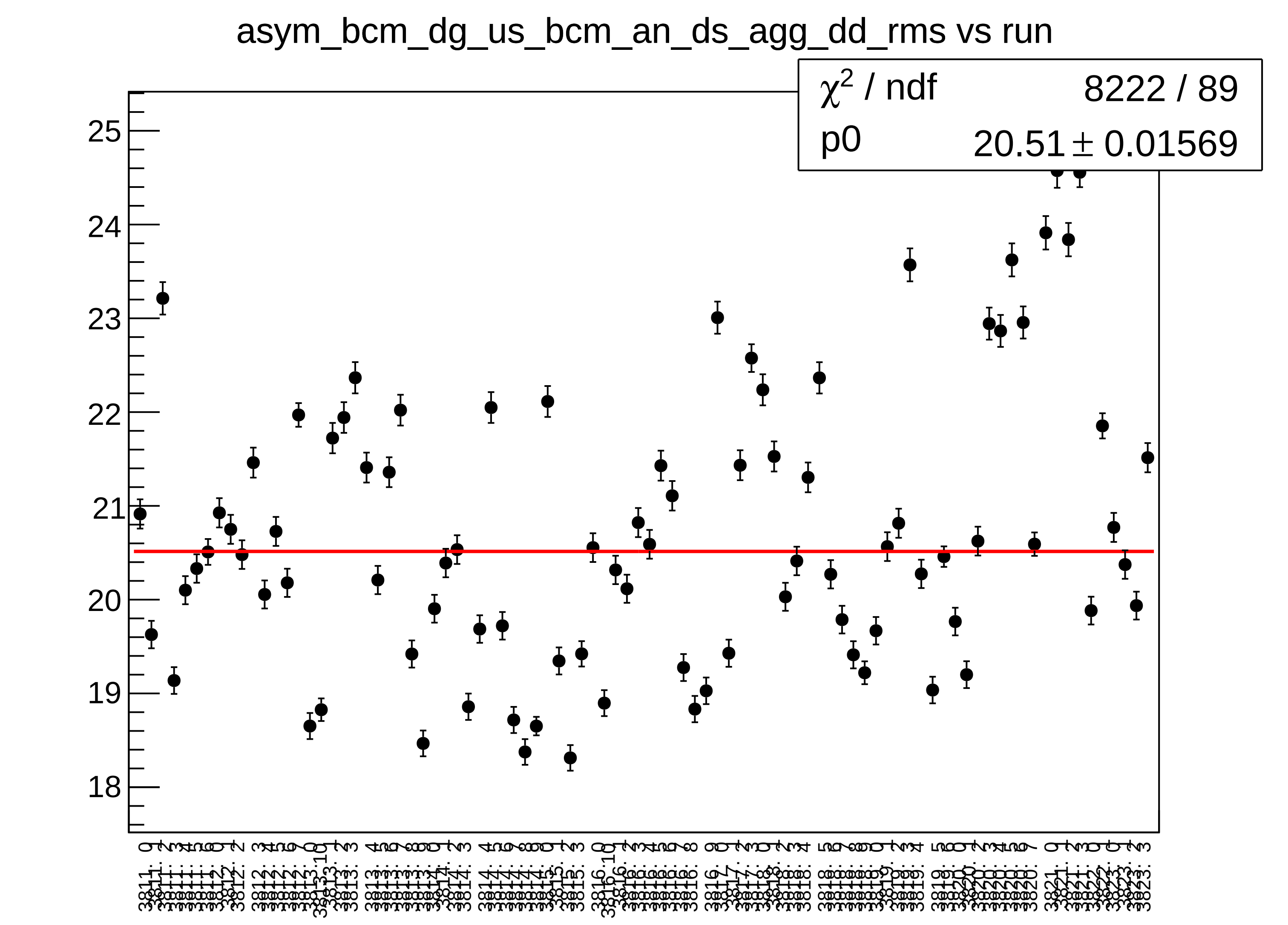
asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 82.58 / 89
p0 −37.35 ± 28.92
1000
500
0
−500
−1000
pull
Entries 90
Mean −445.2
Std Dev 486.1
pull1D
Entries 90
Mean 0.004876
Std Dev 0.9579

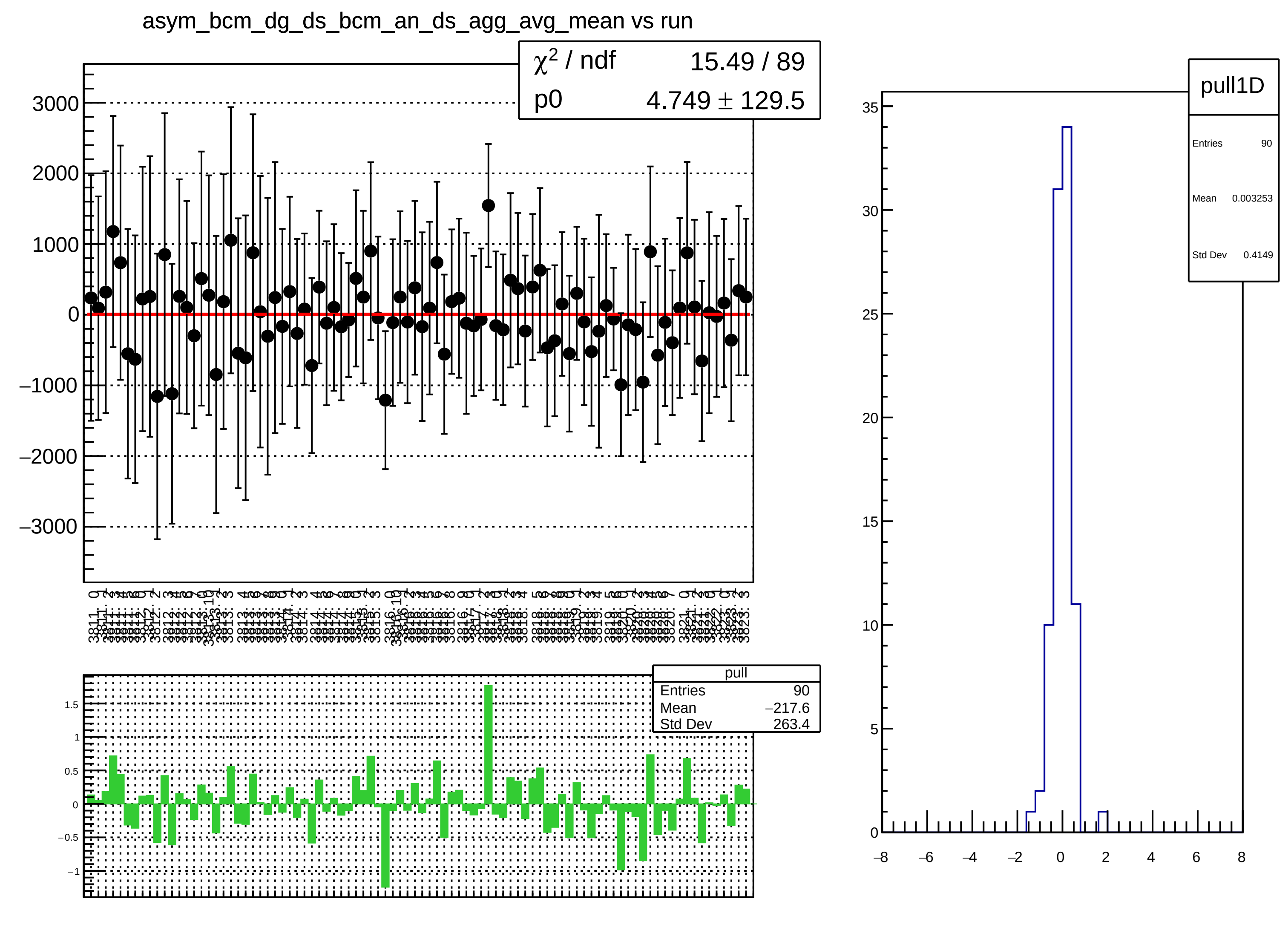

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 6182 / 89
p0 26.76 ± 0.02045
32
31
30
29
28
27
26
25
24
23


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 15.49 / 89
p0 4.749 ± 129.5
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 90
Mean −217.6
Std Dev 263.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 90
Mean 0.003253
Std Dev 0.4149
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

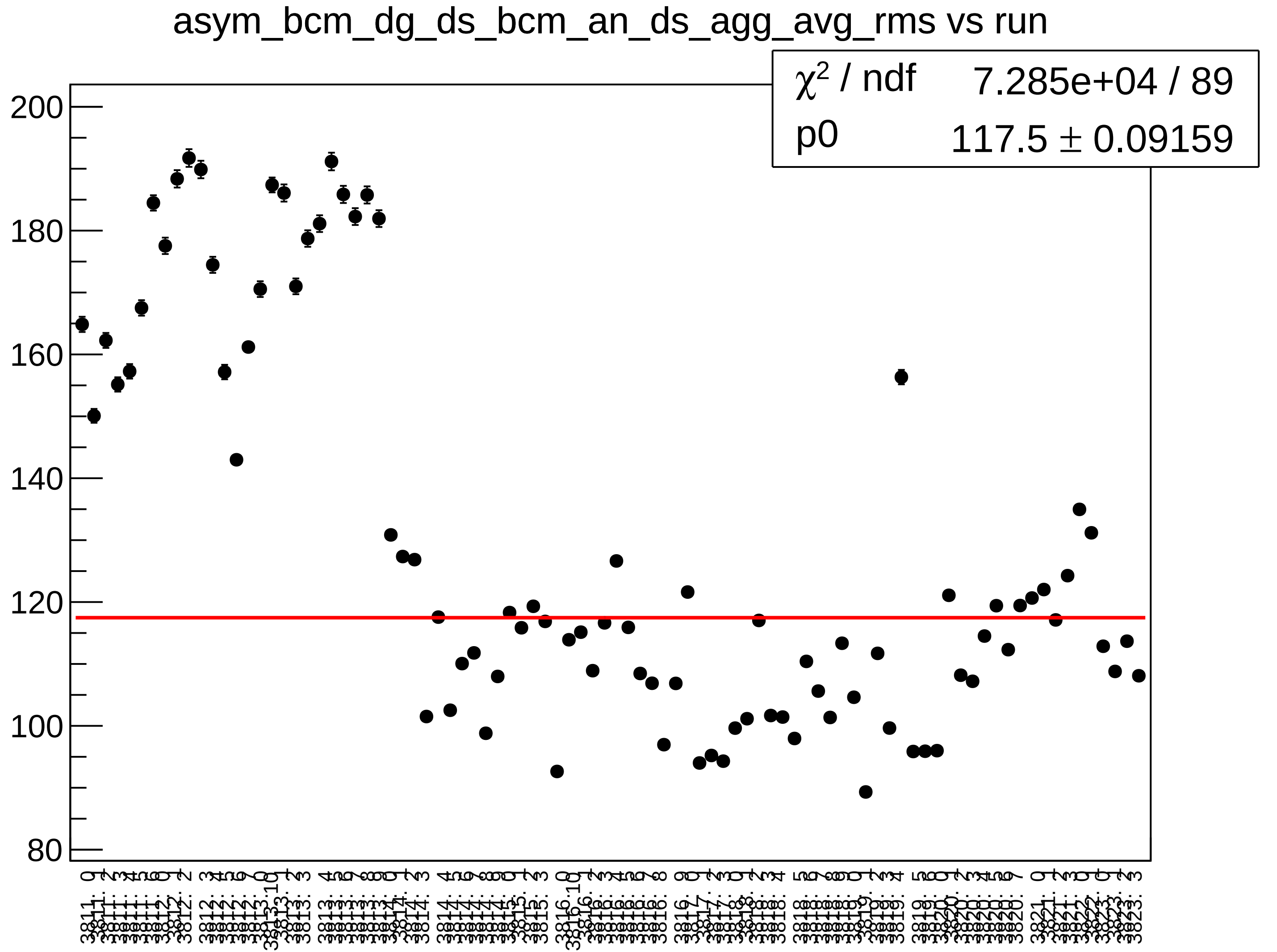

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 7.285e+04 / 89
p0 117.5 ± 0.09159
200
180
160
140
120
100
80


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 81.39 / 89
p0 12.94 ± 22.19
pull
Entries 90
Mean 1.762e+04
Std Dev 1.759e+04
pull1D
Entries 90
Mean −0.000146
Std Dev 0.951

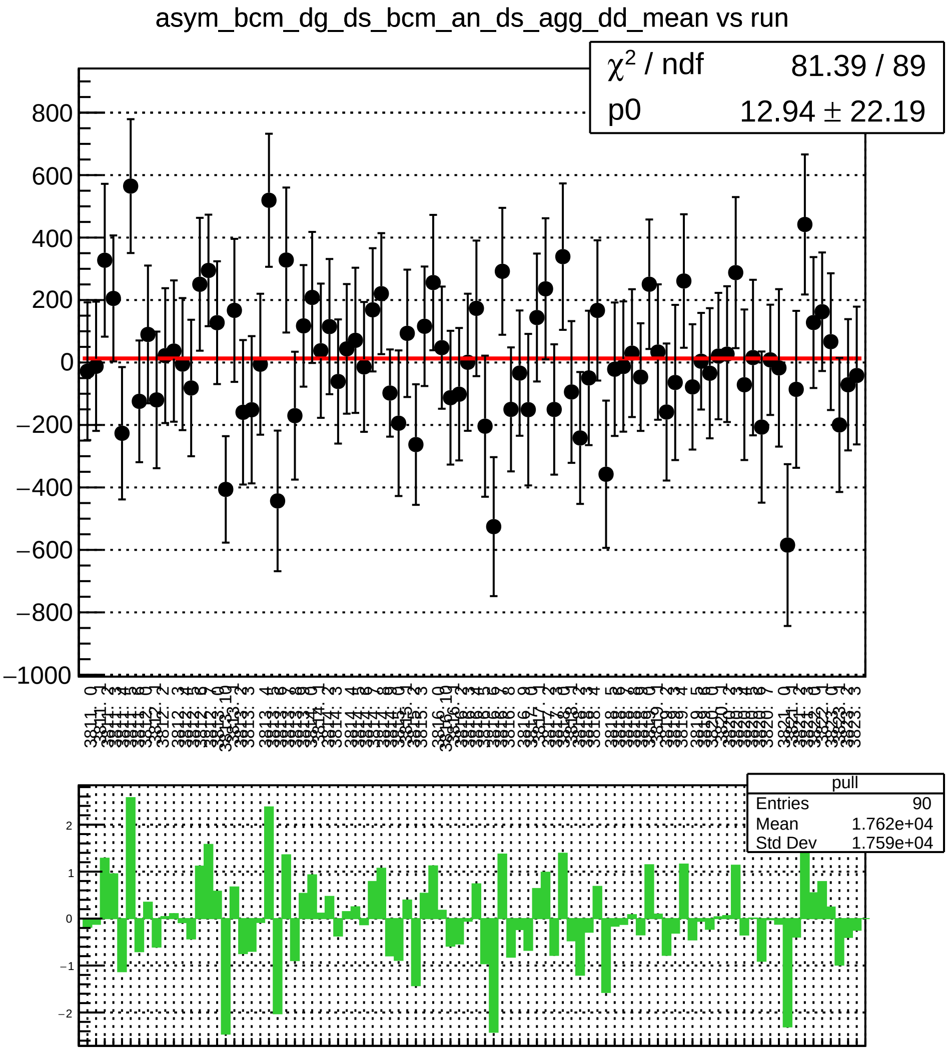

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 8222 / 89
p0 20.51 ± 0.01569

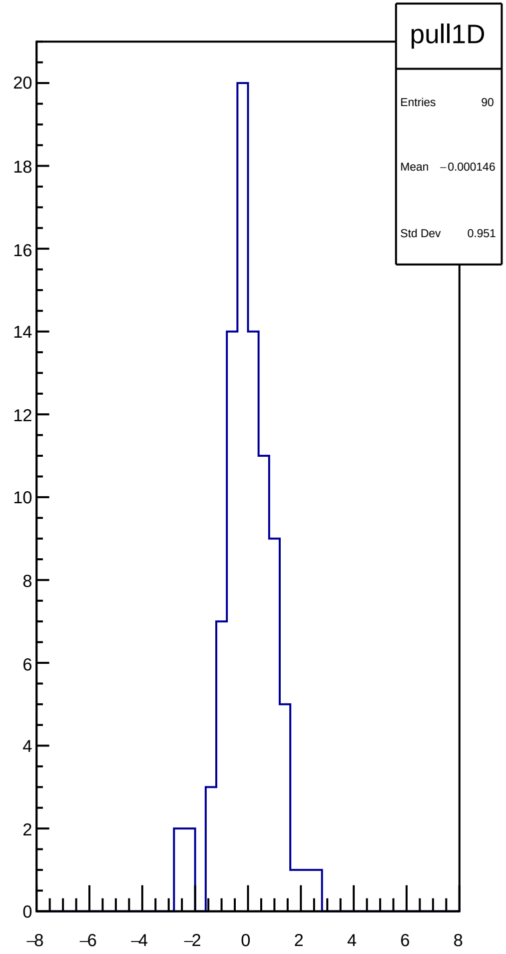


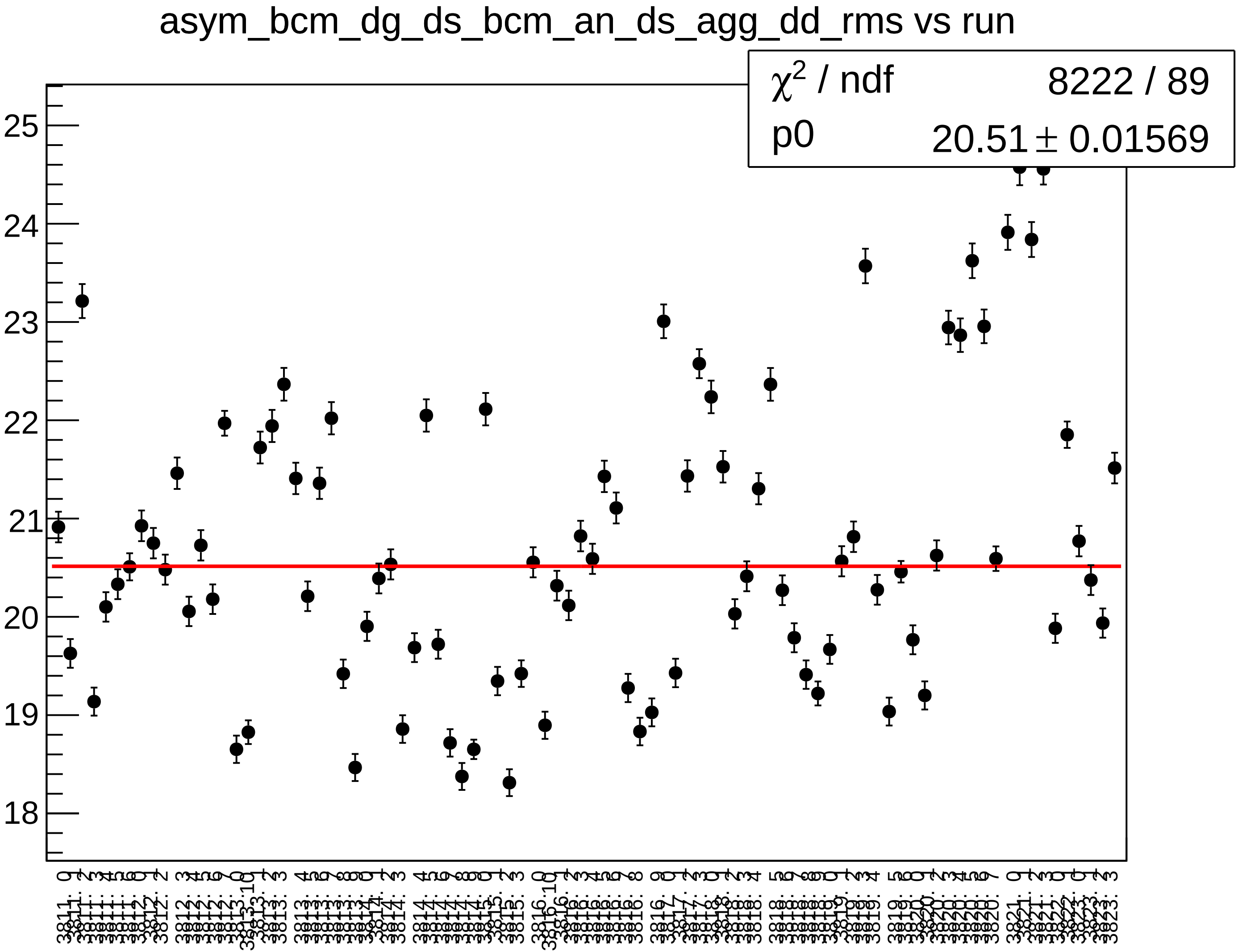
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 15.49 / 89
p0 4.749 ± 129.5
pull
Entries 90
Mean −217.6
Std Dev 263.4
pull1D
Entries 90
Mean 0.003253
Std Dev 0.4149



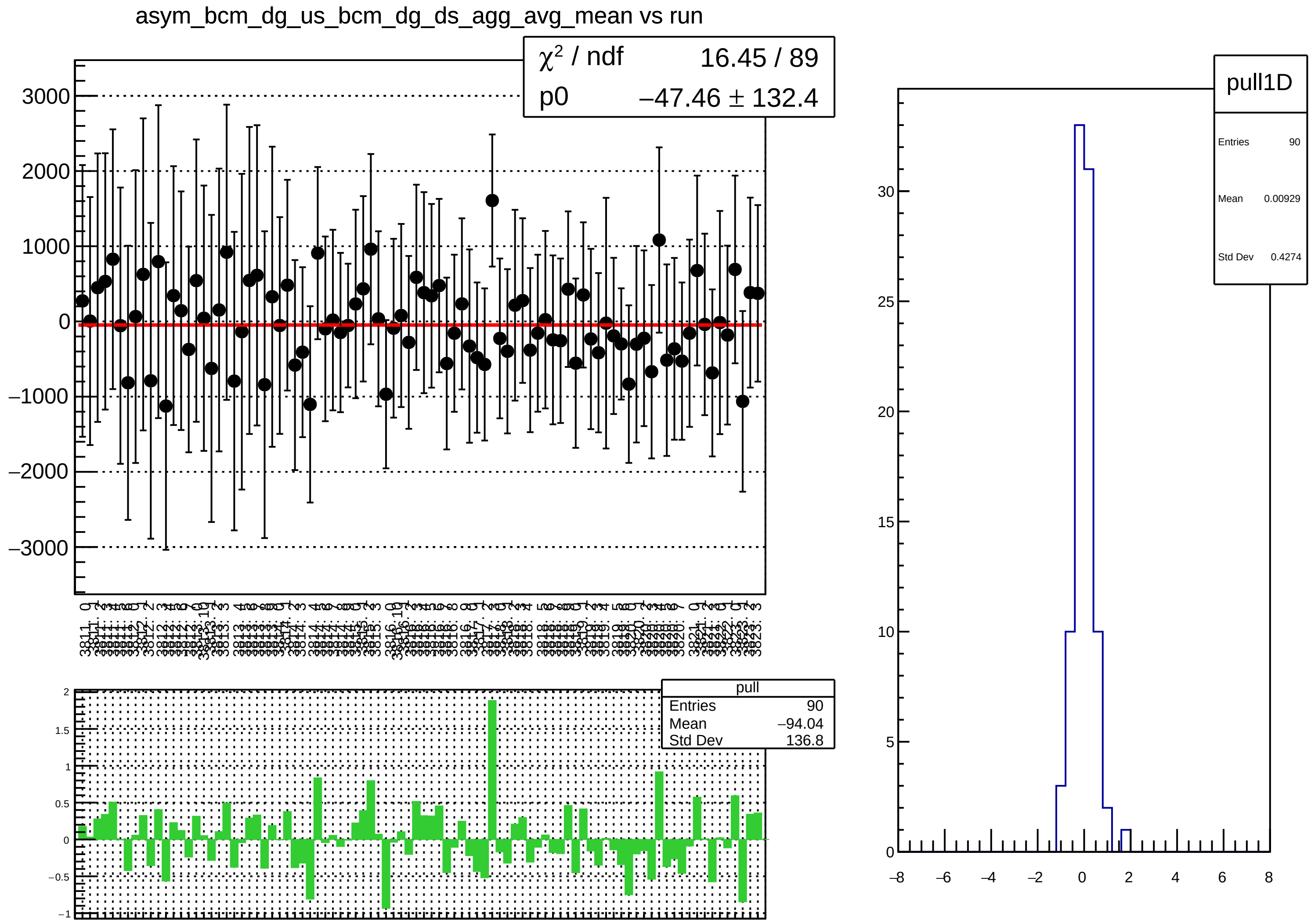
asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 7.285e+04 / 89
p0 117.5 ± 0.09159
200
180
160
140
120
100
80

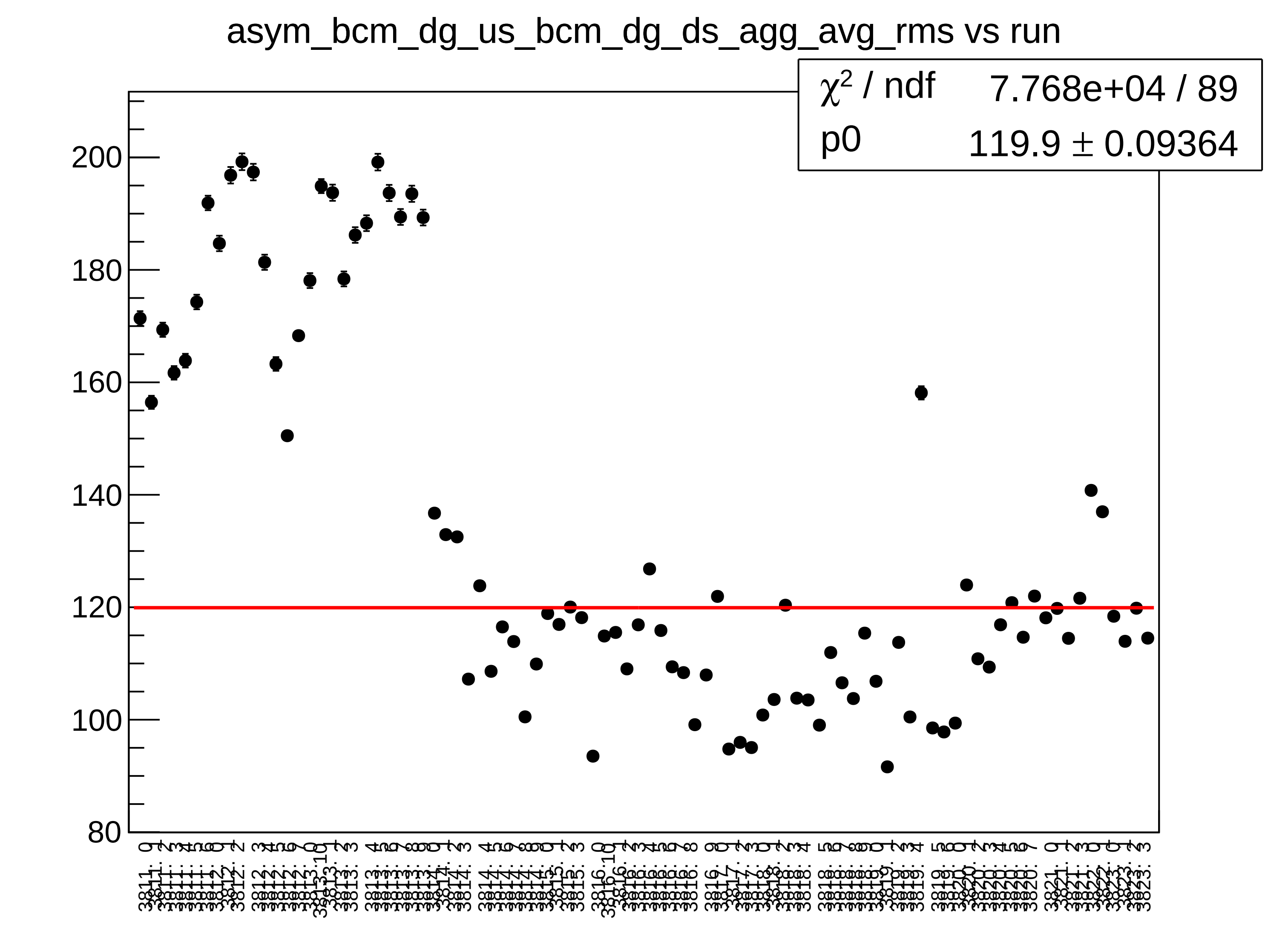

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 81.39 / 89
p0 12.94 ± 22.19
pull
Entries 90
Mean 1.762e+04
Std Dev 1.759e+04


pull1D
Entries 90
Mean −0.000146
Std Dev 0.951

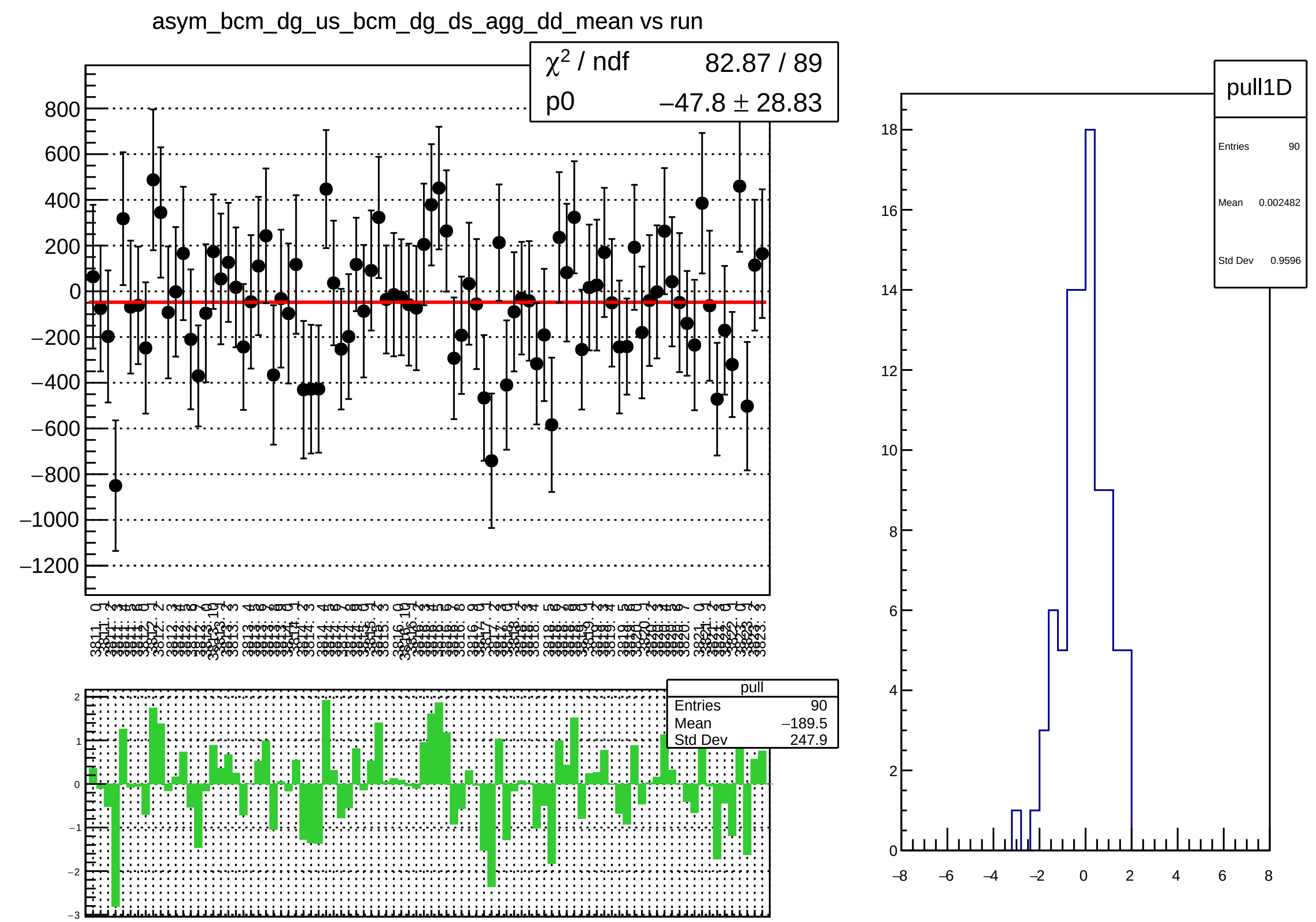


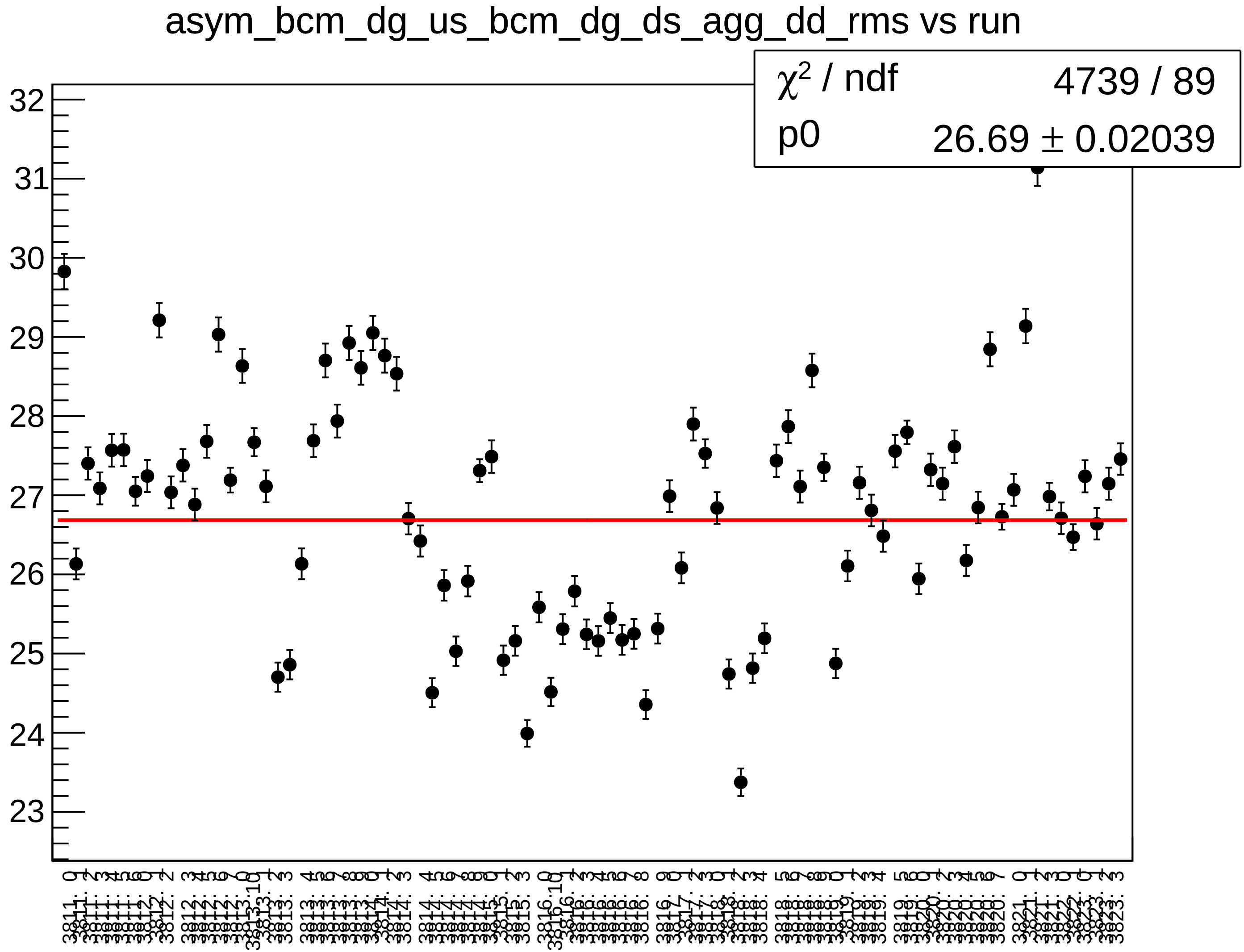
asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 8222 / 89
p0 20.51 ± 0.01569
25
24
23
22
21
20
19
18


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 16.45 / 89
p0 −47.46 ± 132.4
pull
Entries 90
Mean −94.04
Std Dev 136.8
pull1D
Entries 90
Mean 0.00929
Std Dev 0.4274

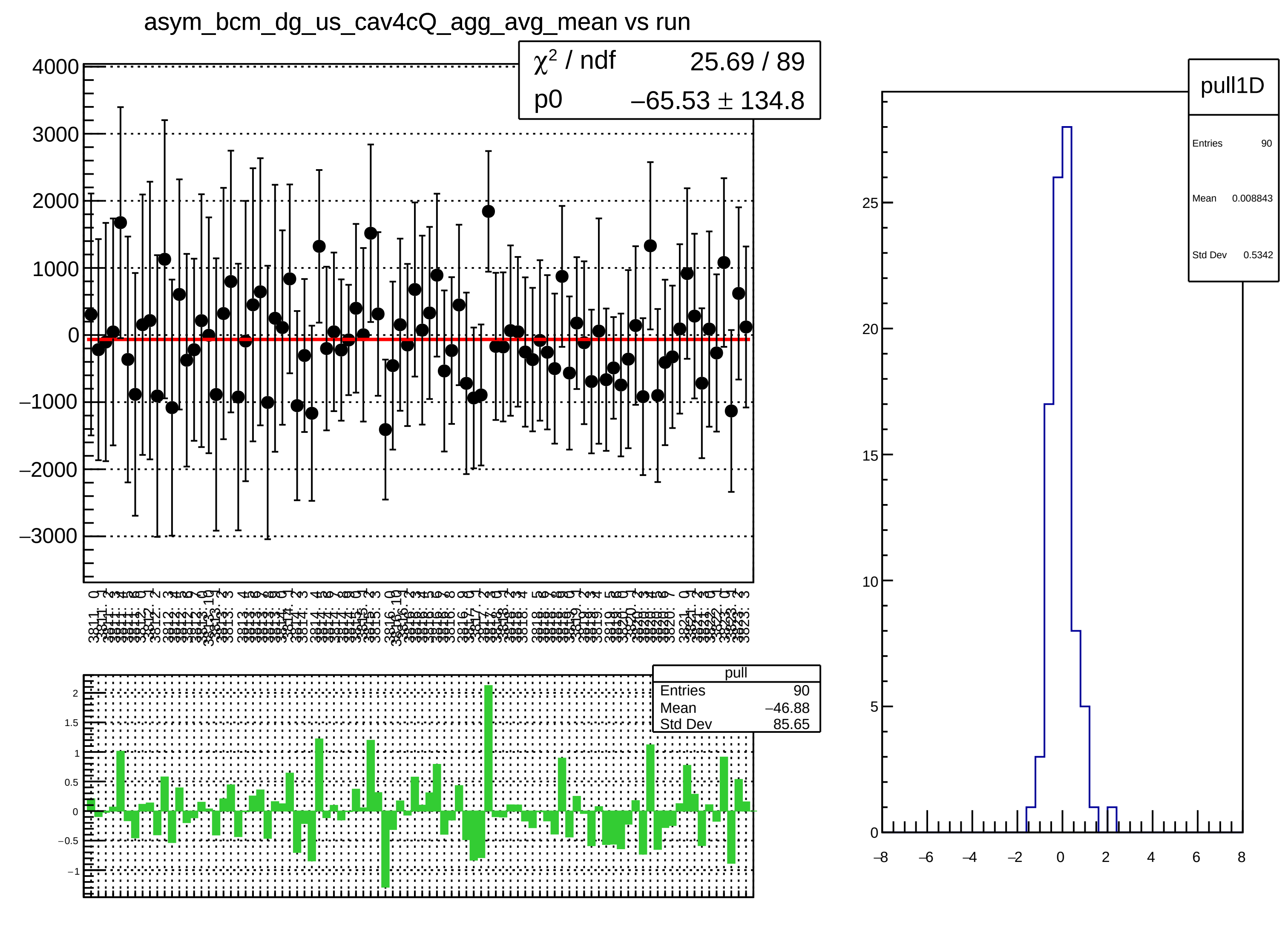


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 7.768e+04 / 89
p0 119.9 ± 0.09364
200
180
160
140
120
100
80

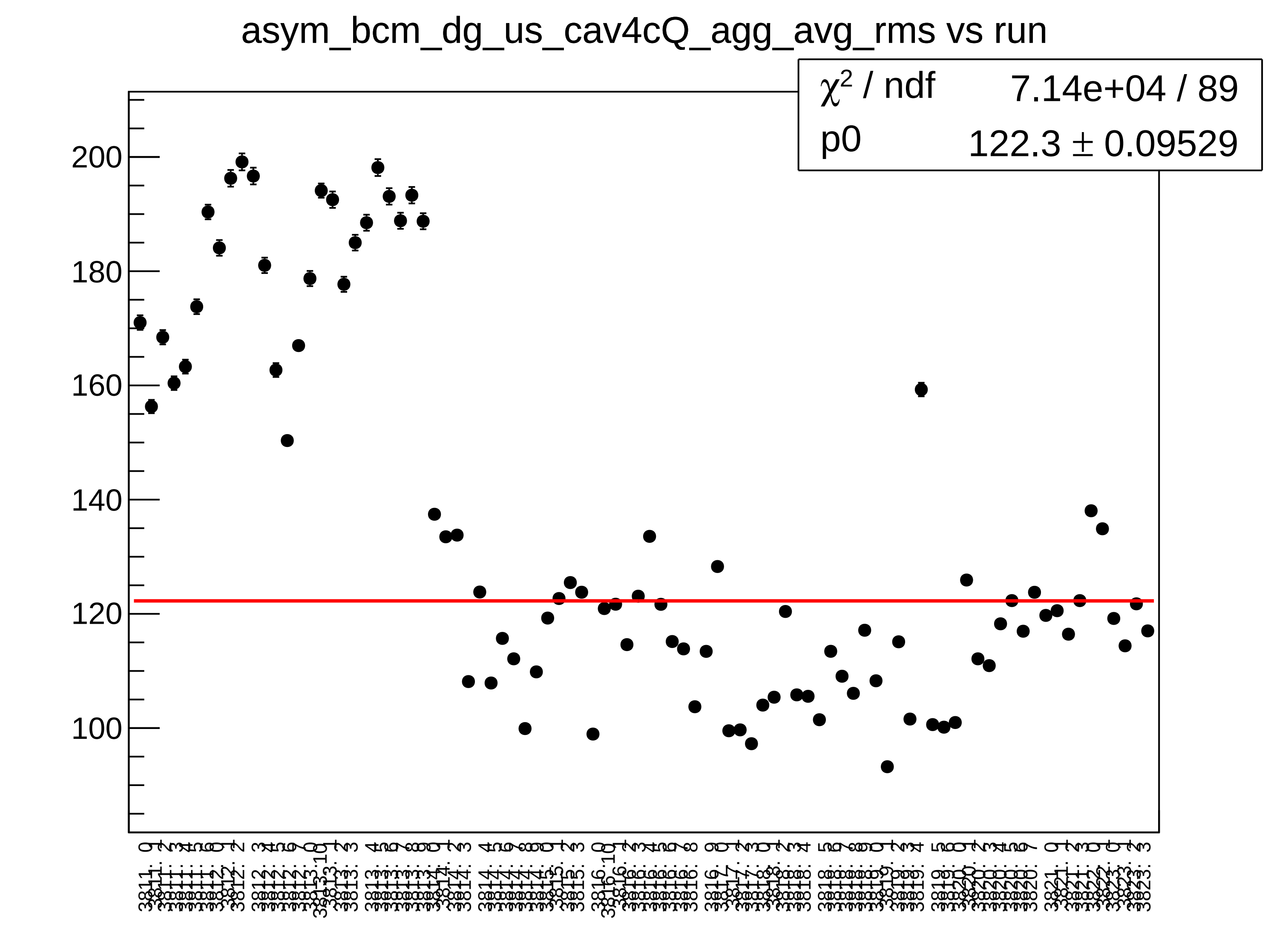

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 82.87 / 89
p0 −47.8 ± 28.83
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 90
Mean −189.5
Std Dev 247.9
2
1
0
−1
−2
−3
pull1D
Entries 90
Mean 0.002482
Std Dev 0.9596
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

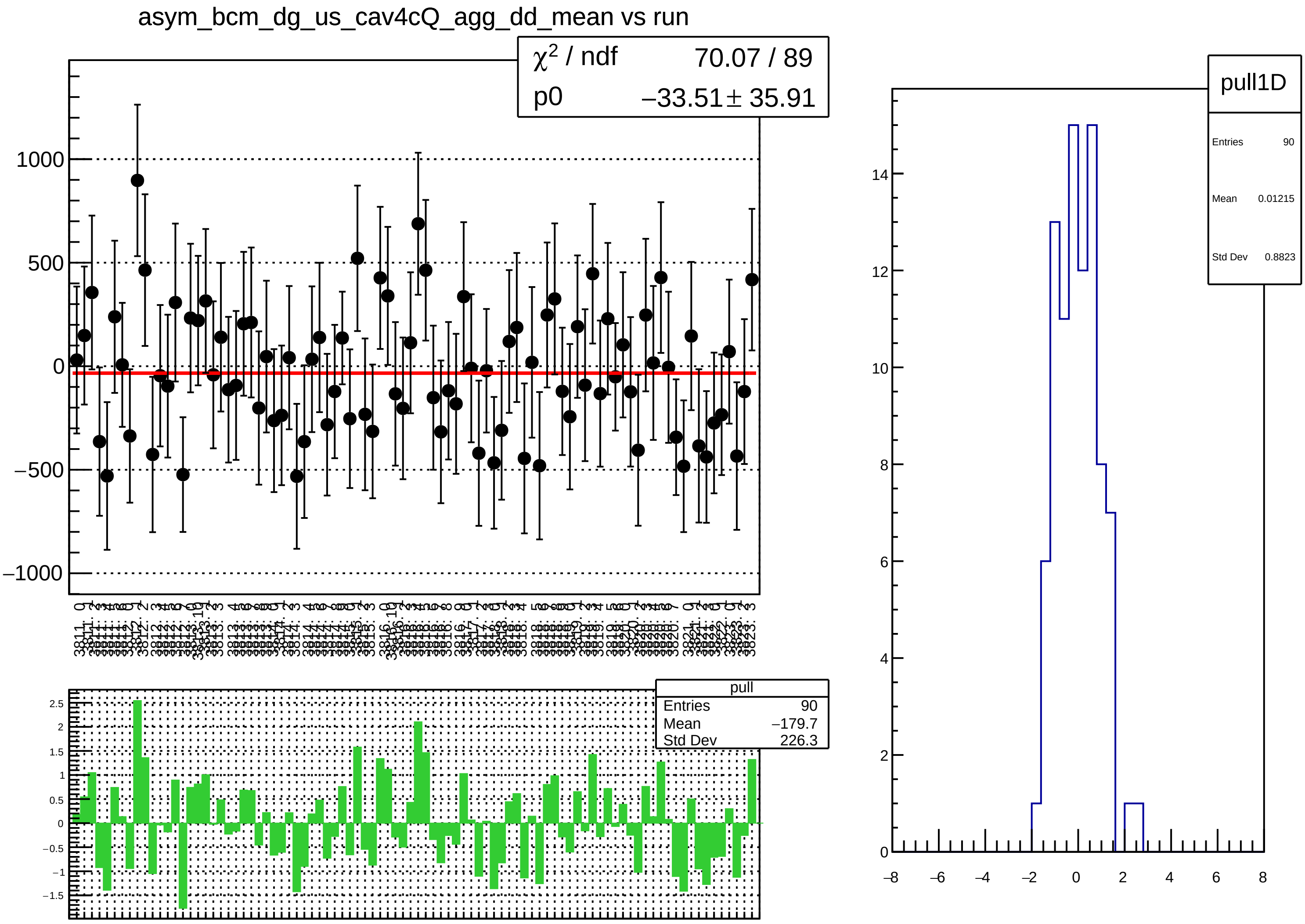


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 4739 / 89
p0 26.69 ± 0.02039
32
31
30
29
28
27
26
25
24
23

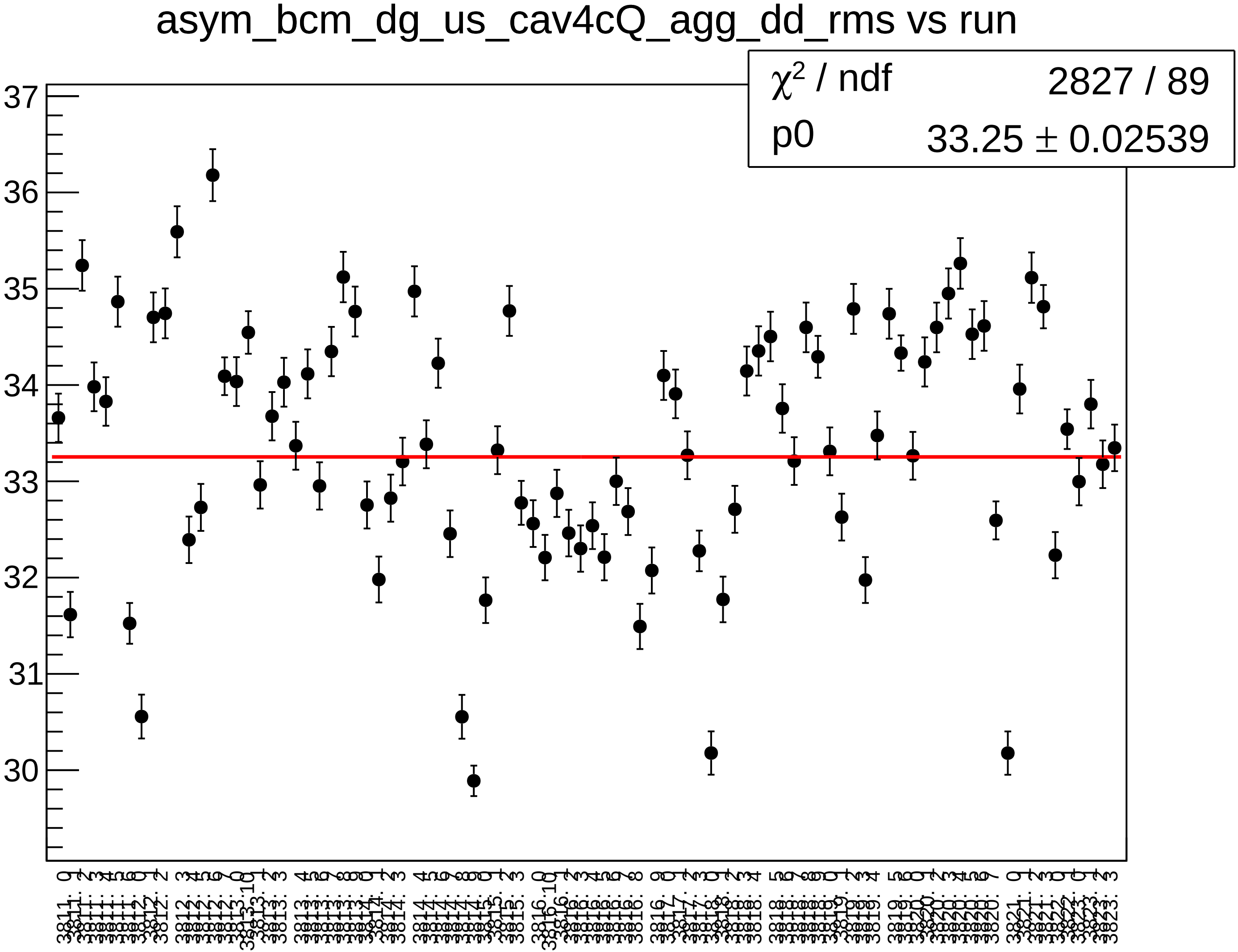


asym_bcm_dg_us_cav4cQ_agg_avg_mean vs run
χ^2 / ndf 25.69 / 89
p0 −65.53 ± 134.8
pull
Entries 90
Mean −46.88
Std Dev 85.65
pull1D
Entries 90
Mean 0.008843
Std Dev 0.5342

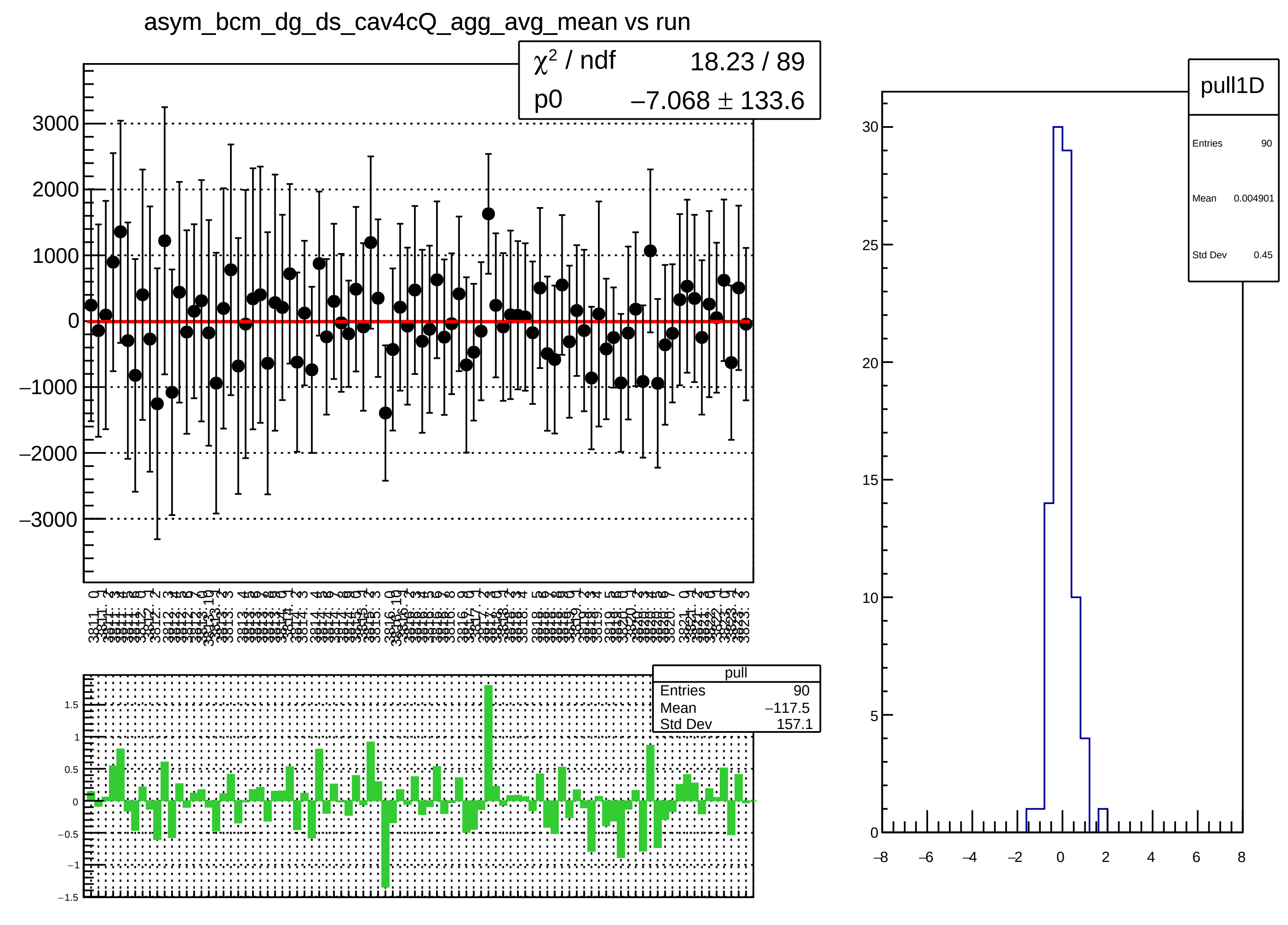

asym_bcm_dg_us_cav4cQ_agg_avg_rms vs run
χ^2 / ndf 7.14e+04 / 89
p0 122.3 ± 0.09529
200
180
160
140
120
100



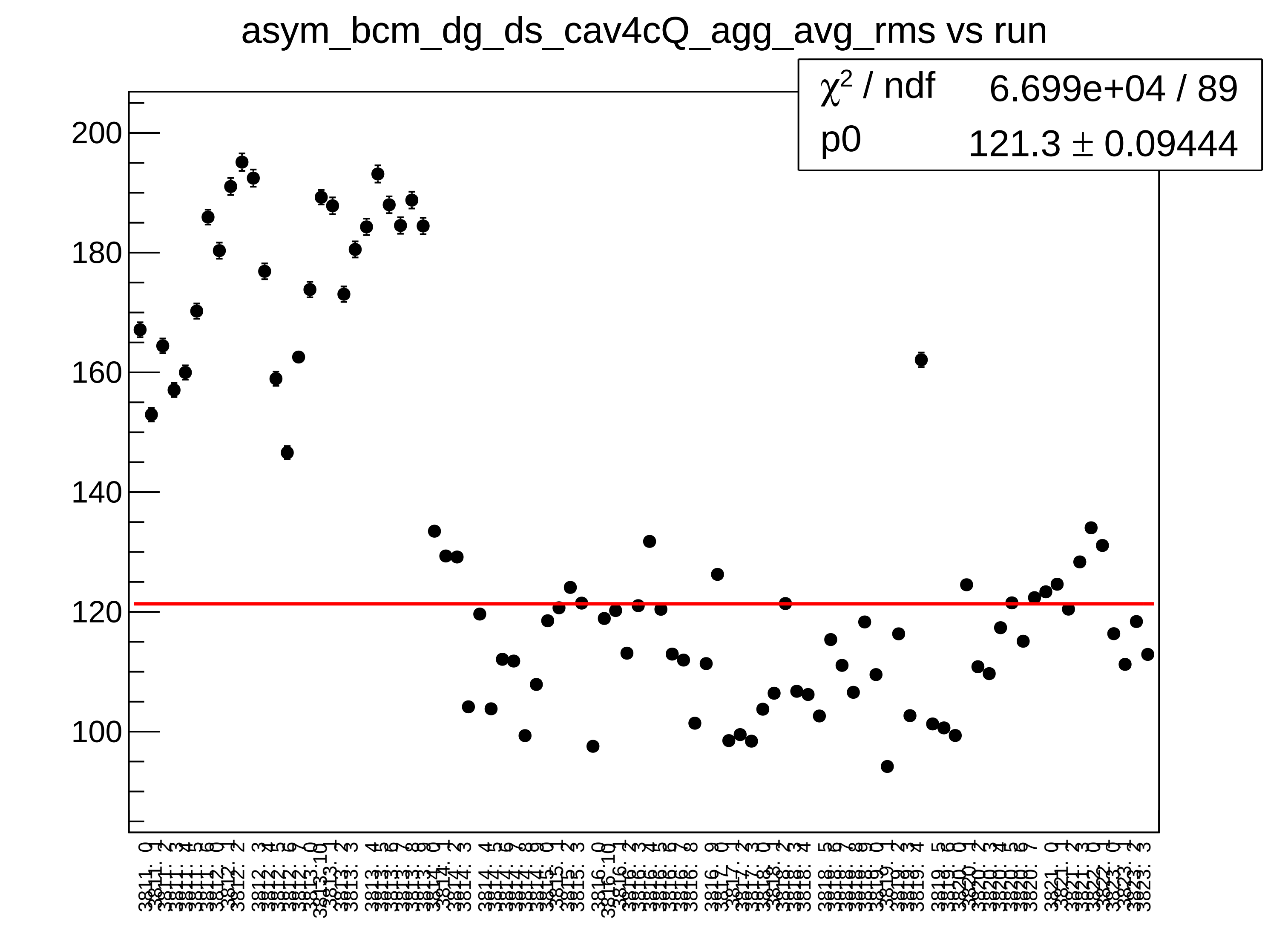
asym_bcm_dg_us_cav4cQ_agg_dd_mean vs run
χ^2 / ndf 70.07 / 89
p0 −33.51 ± 35.91
pull
Entries 90
Mean −179.7
Std Dev 226.3
pull1D
Entries 90
Mean 0.01215
Std Dev 0.8823

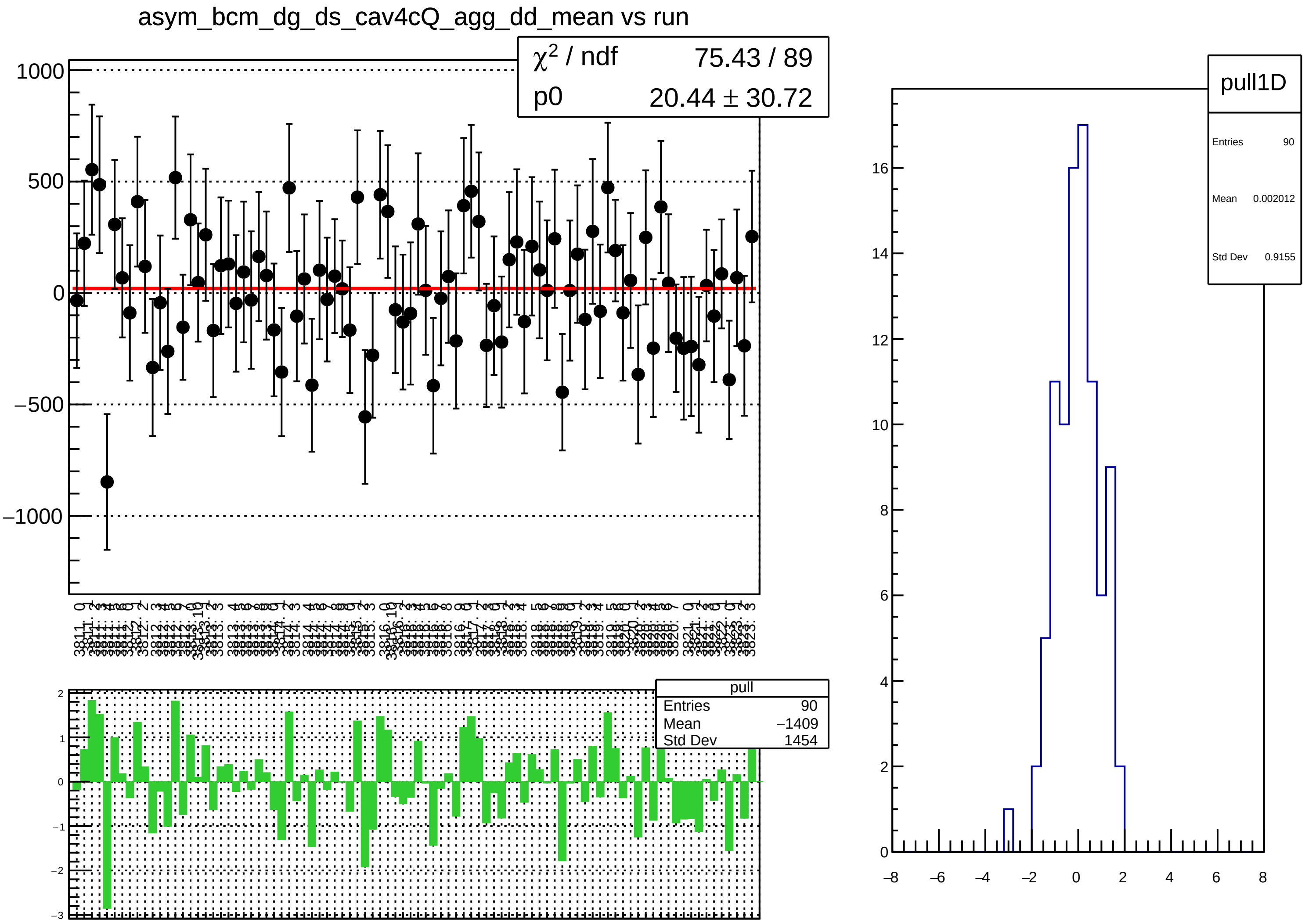


asym_bcm_dg_us_cav4cQ_agg_dd_rms vs run
χ^2 / ndf 2827 / 89
p0 33.25 ± 0.02539
37
36
35
34
33
32
31
30

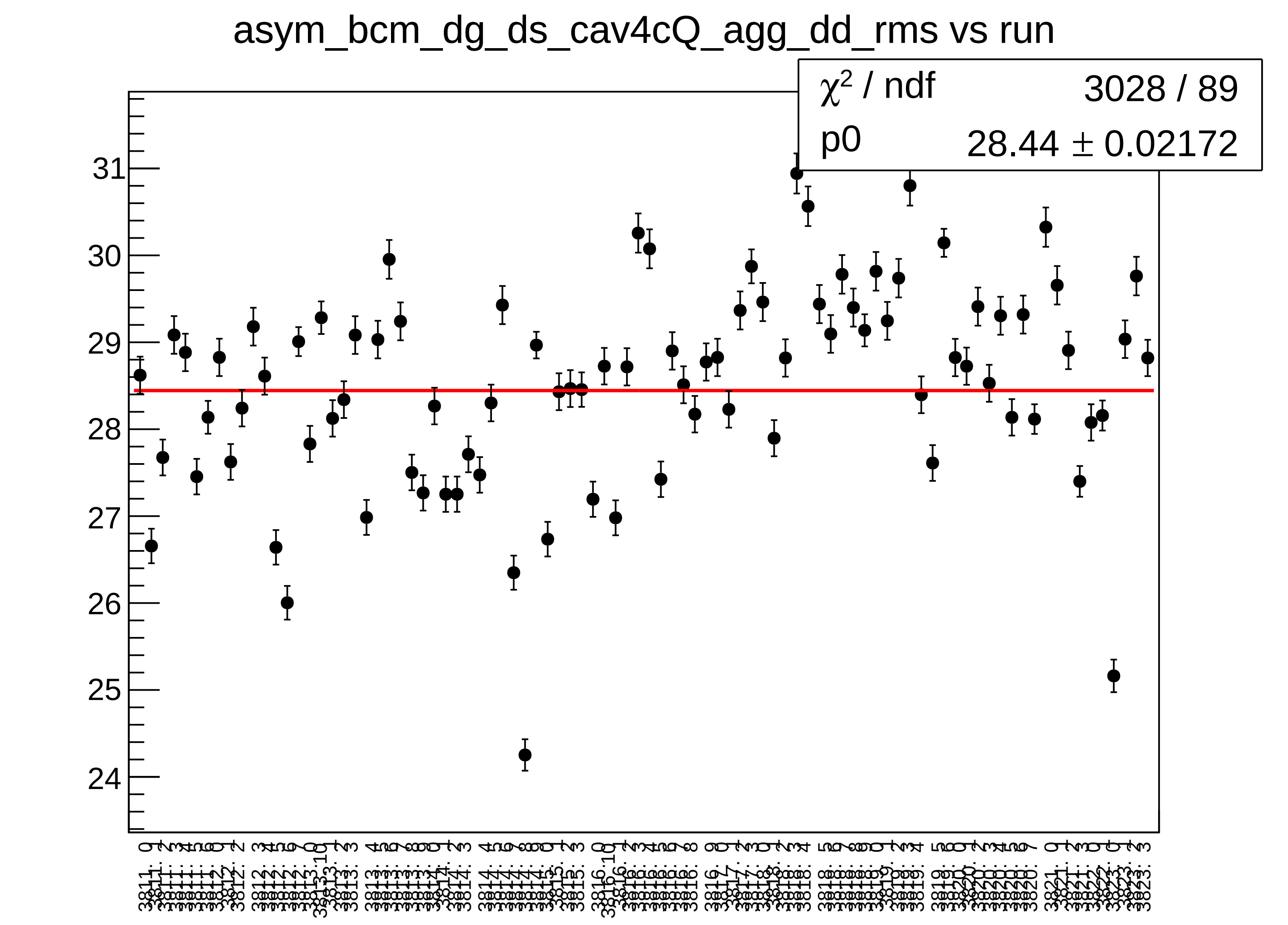


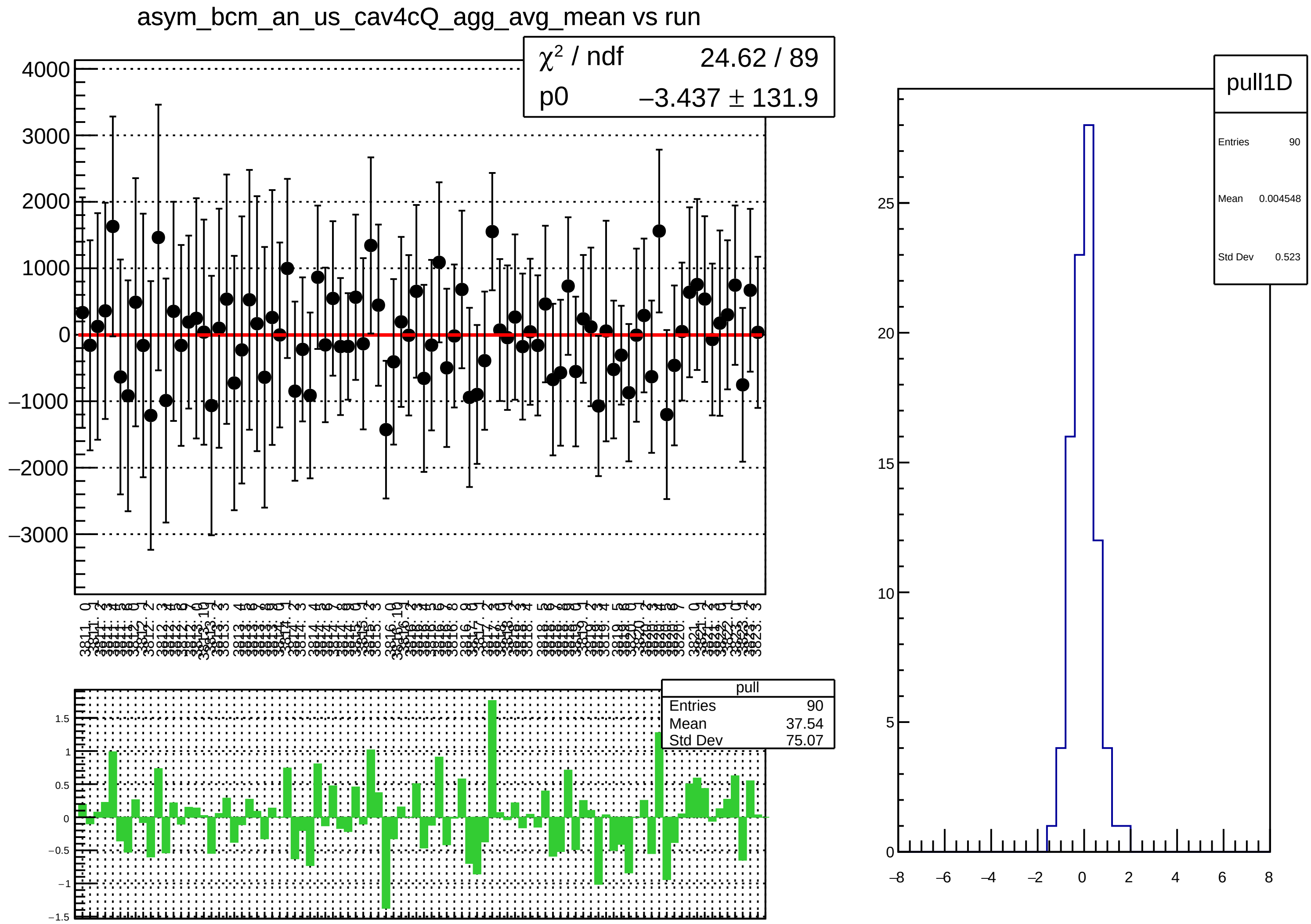
asym_bcm_dg_ds_cav4cQ_agg_avg_mean vs run
χ^2 / ndf 18.23 / 89
p0 −7.068 ± 133.6
pull
Entries 90
Mean −117.5
Std Dev 157.1
pull1D
Entries 90
Mean 0.004901
Std Dev 0.45


asym_bcm_dg_ds_cav4cQ_agg_avg_rms vs run
χ^2 / ndf 6.699e+04 / 89
p0 121.3 ± 0.09444
200
180
160
140
120
100

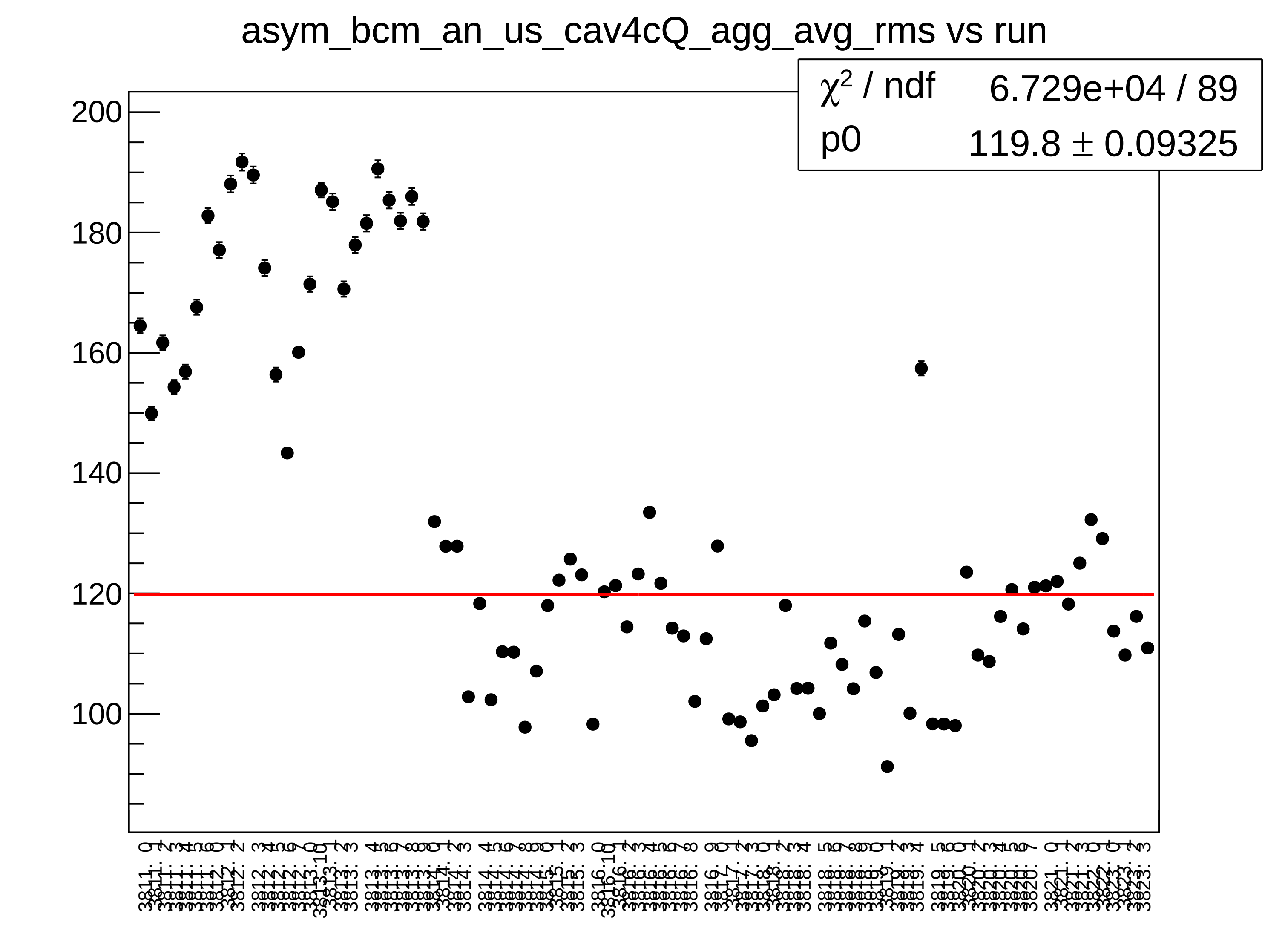


asym_bcm_dg_ds_cav4cQ_agg_dd_mean vs run
χ^2 / ndf 75.43 / 89
p0 20.44 ± 30.72
1000
500
0
−500
−1000
pull
Entries 90
Mean −1409
Std Dev 1454
2
1
0
−1
−2
−3
pull1D
Entries 90
Mean 0.002012
Std Dev 0.9155
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

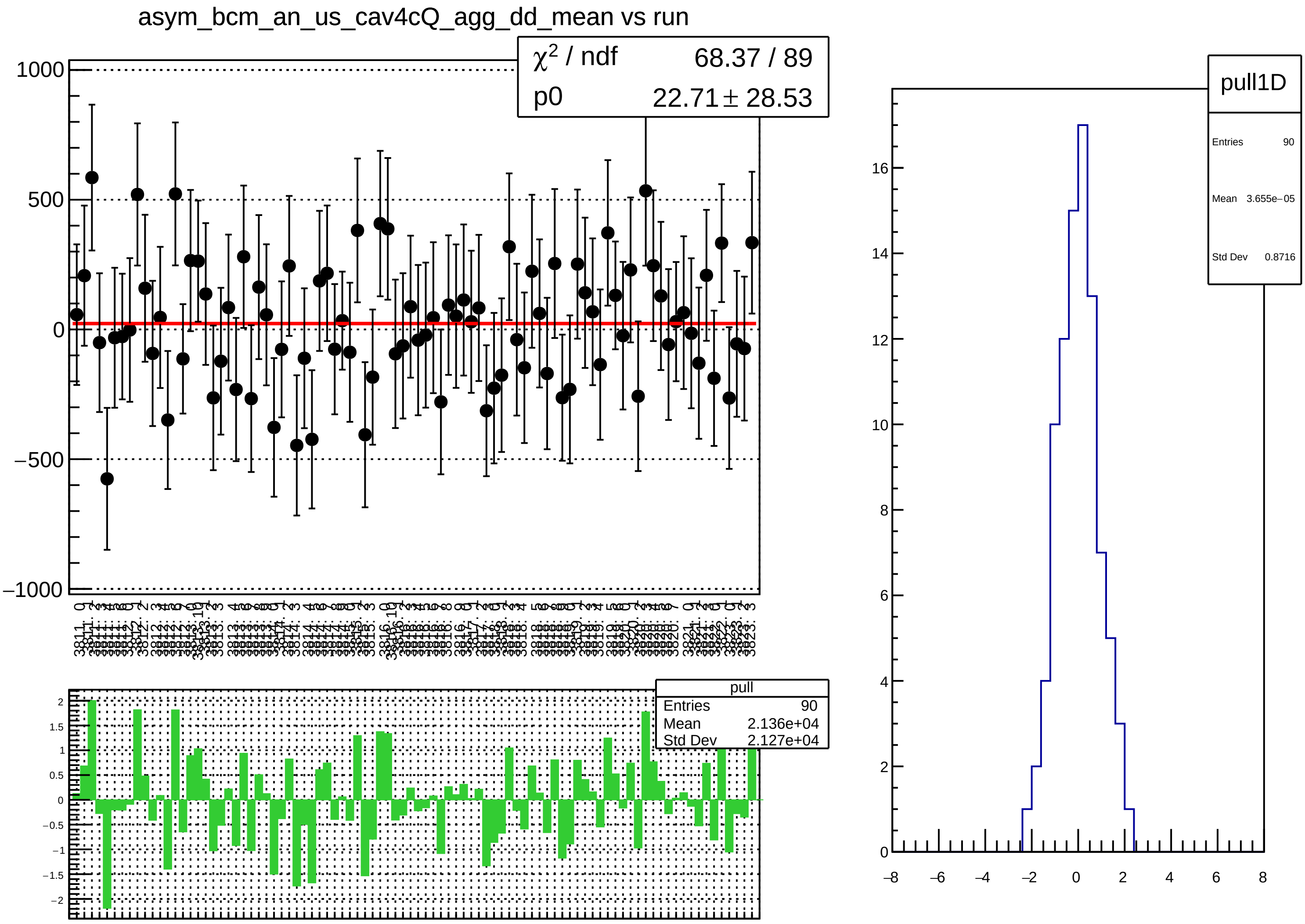

asym_bcm_dg_ds_cav4cQ_agg_dd_rms vs run
χ^2 / ndf 3028 / 89
p0 28.44 ± 0.02172



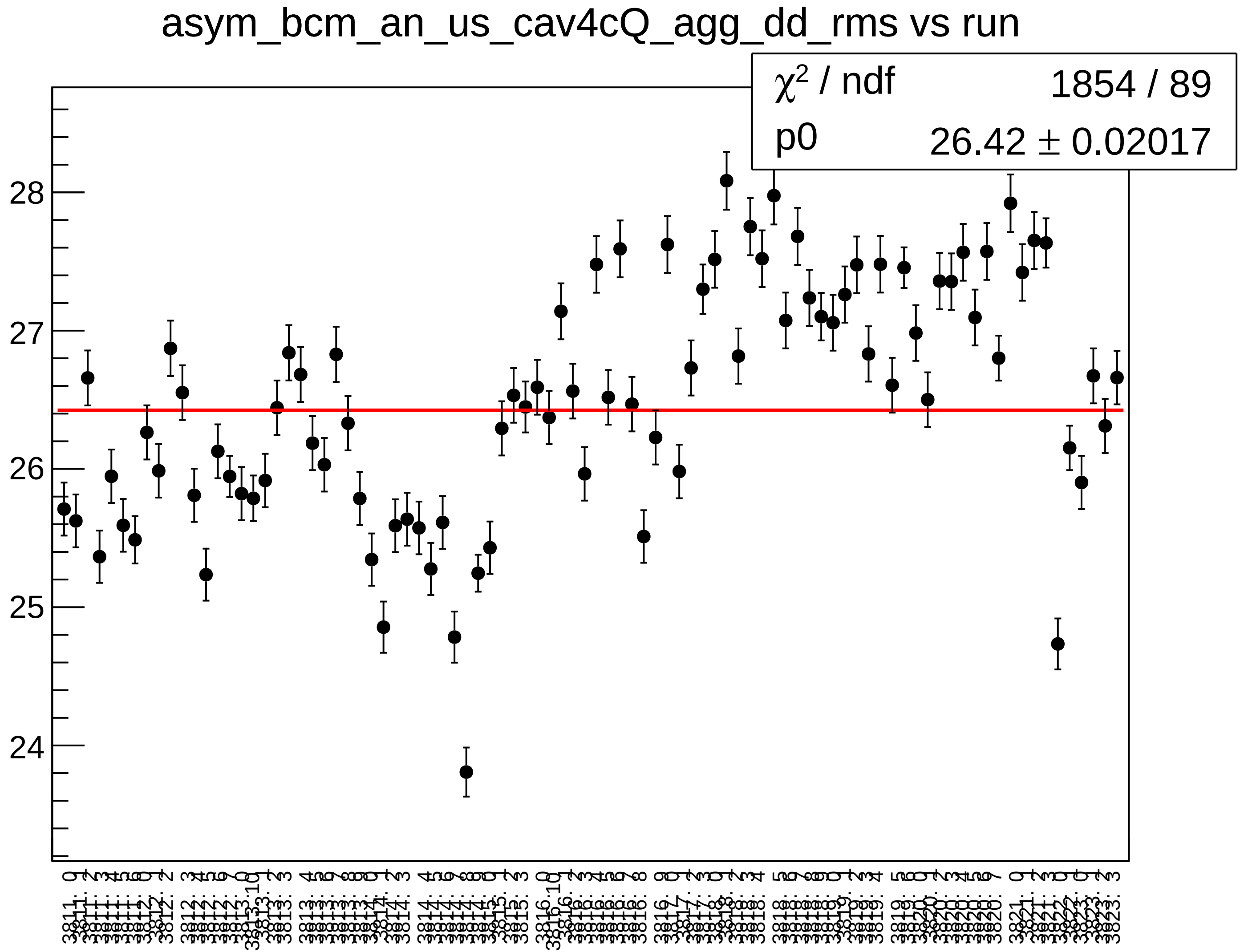
asym_bcm_an_us_cav4cQ_agg_avg_mean vs run
χ^2 / ndf 24.62 / 89
p0 −3.437 ± 131.9
pull
Entries 90
Mean 37.54
Std Dev 75.07
pull1D
Entries 90
Mean 0.004548
Std Dev 0.523



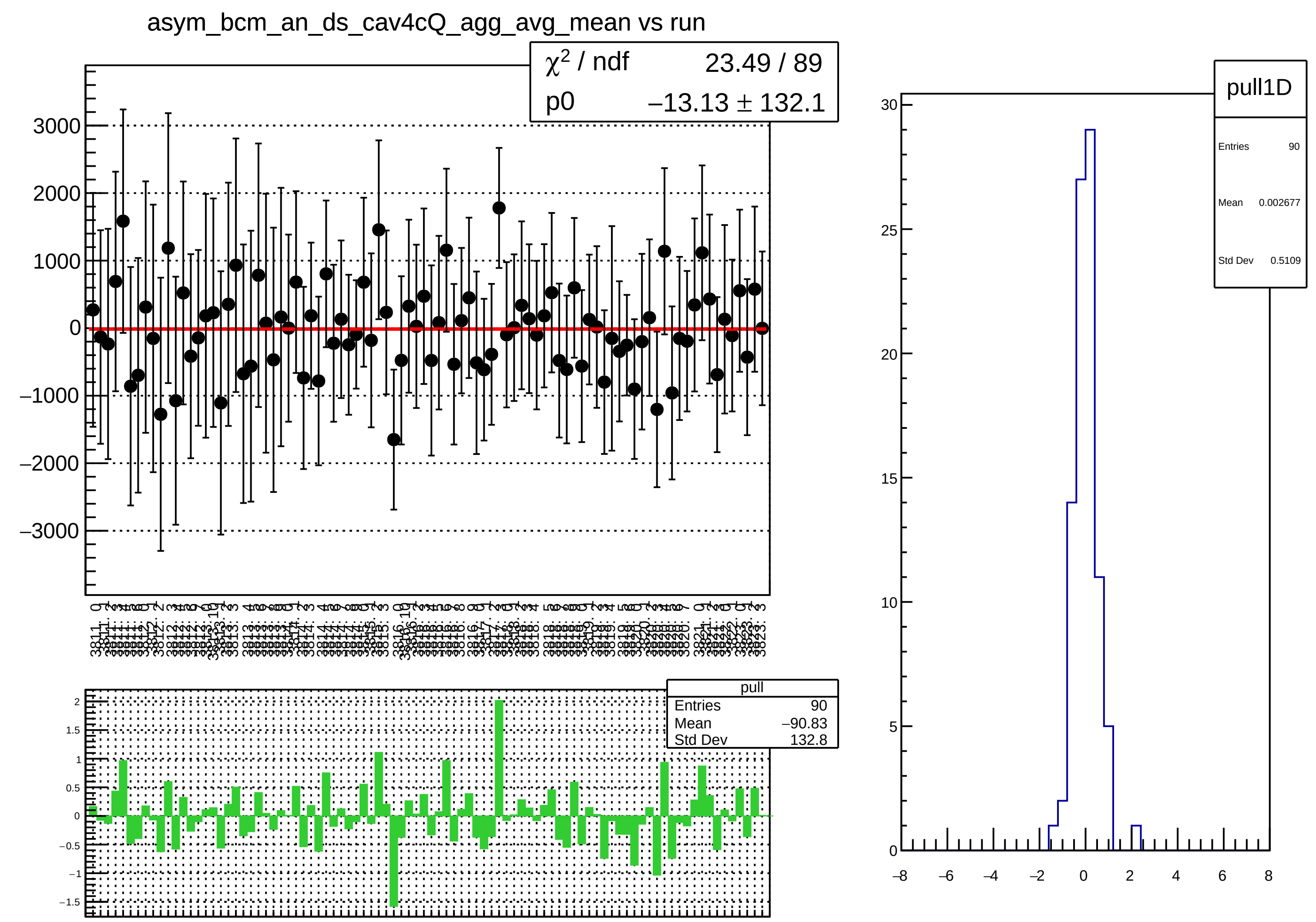
asym_bcm_an_us_cav4cQ_agg_avg_rms vs run
χ2 / ndf 6.729e+04 / 89
p0 119.8 ± 0.09325
200
180
160
140
120
100

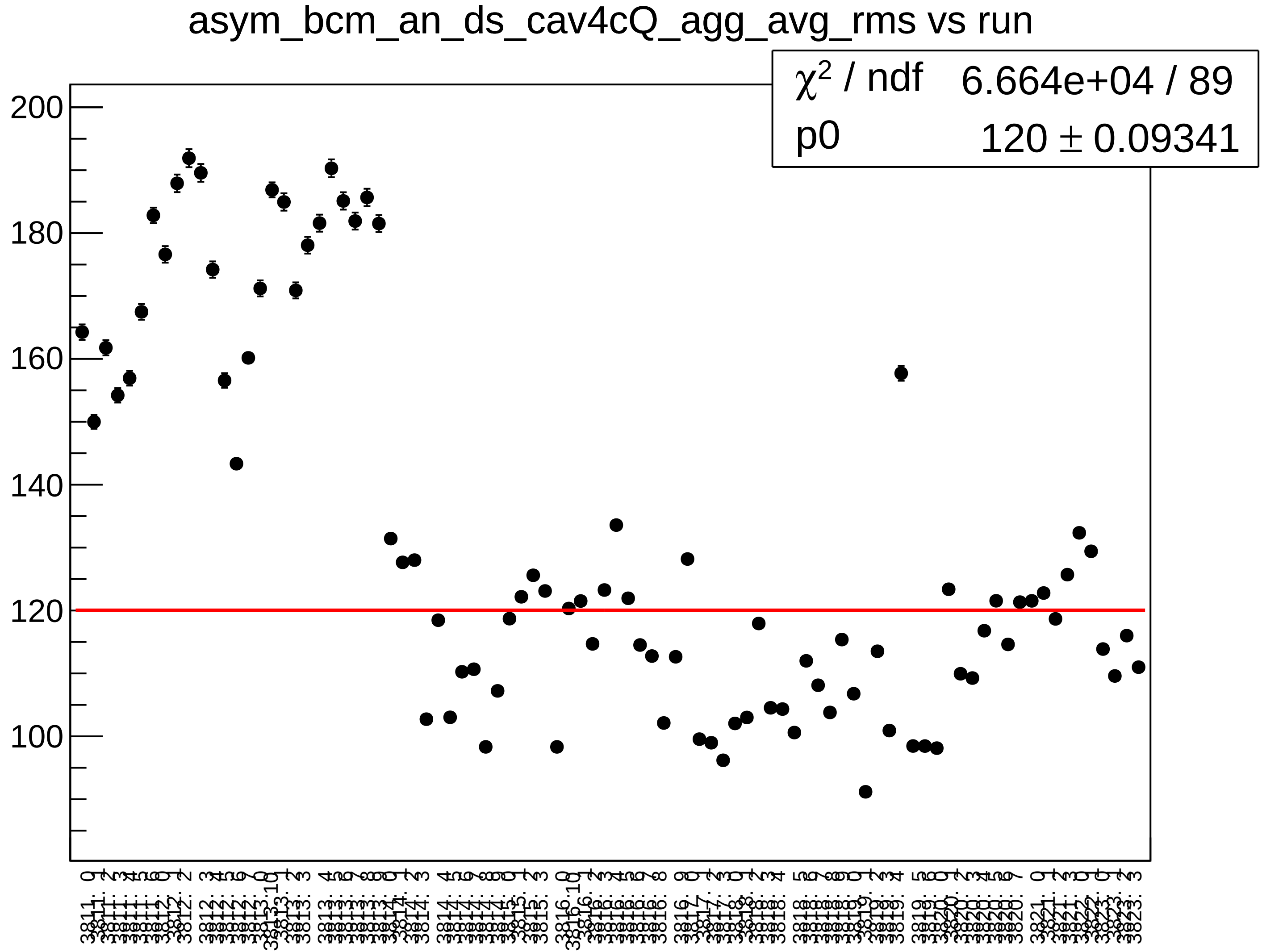


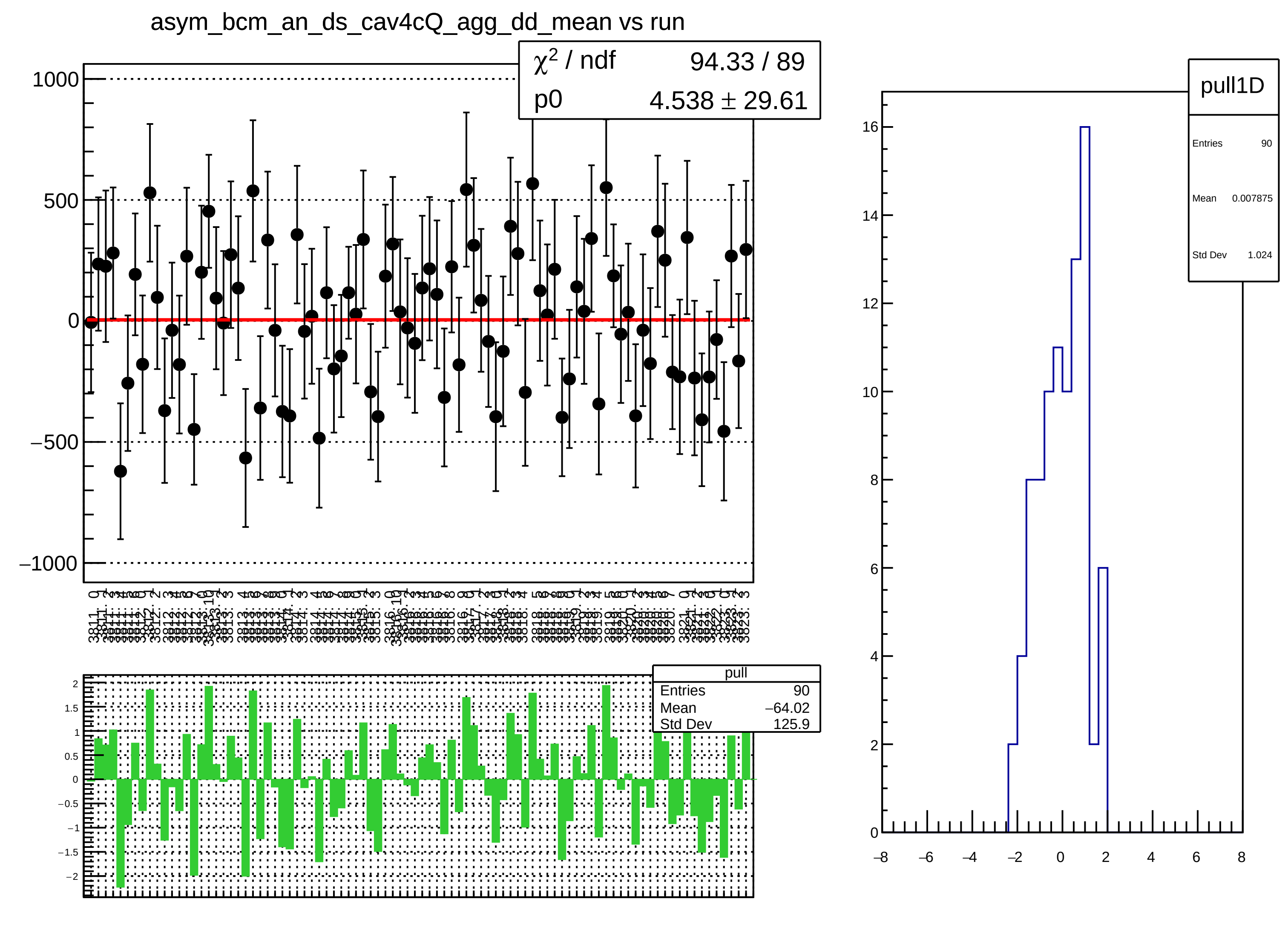
asym_bcm_an_us_cav4cQ_agg_dd_mean vs run
χ^2 / ndf 68.37 / 89
p0 22.71 ± 28.53
pull
Entries 90
Mean 2.136e+04
Std Dev 2.127e+04
pull1D
Entries 90
Mean 3.655e−05
Std Dev 0.8716

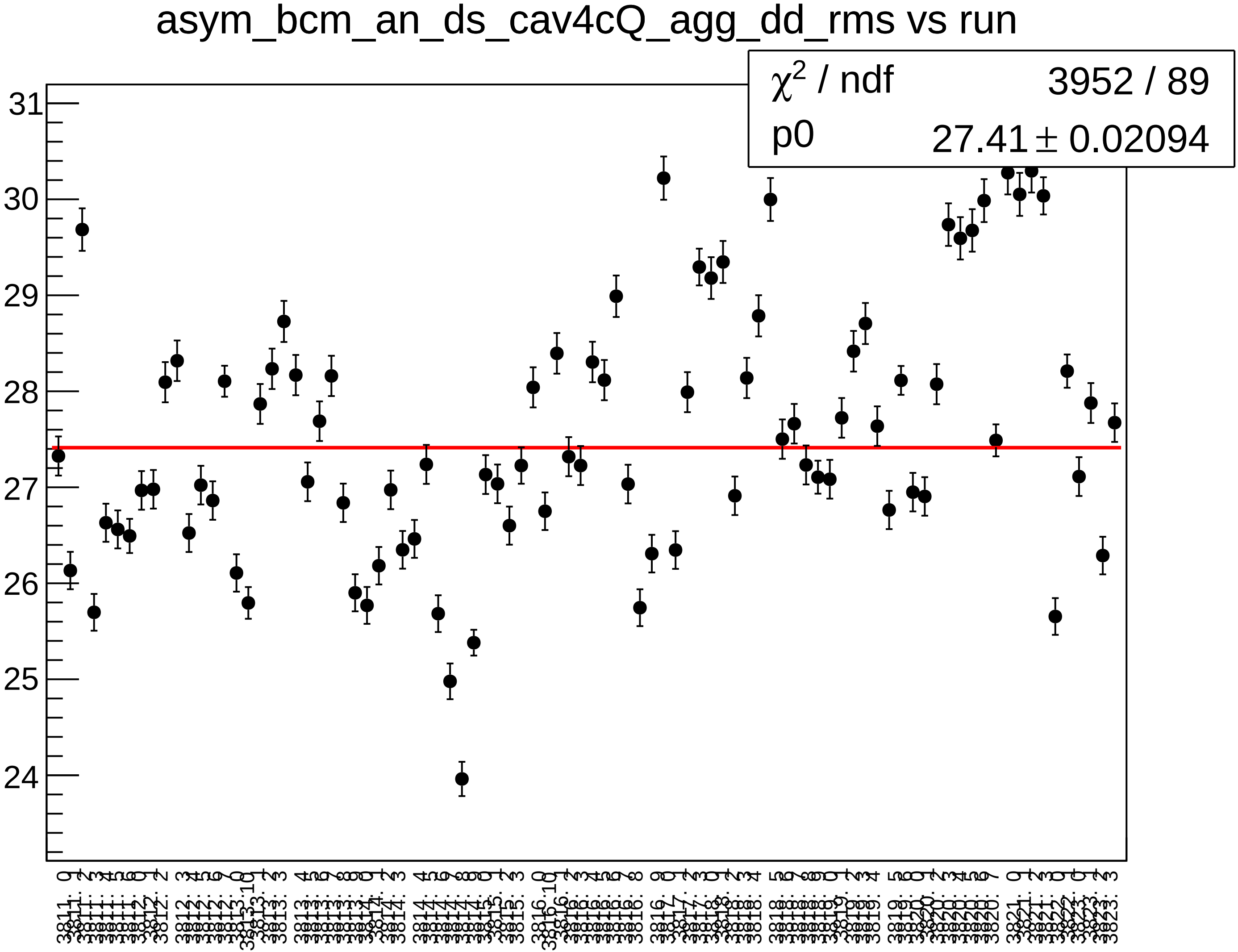


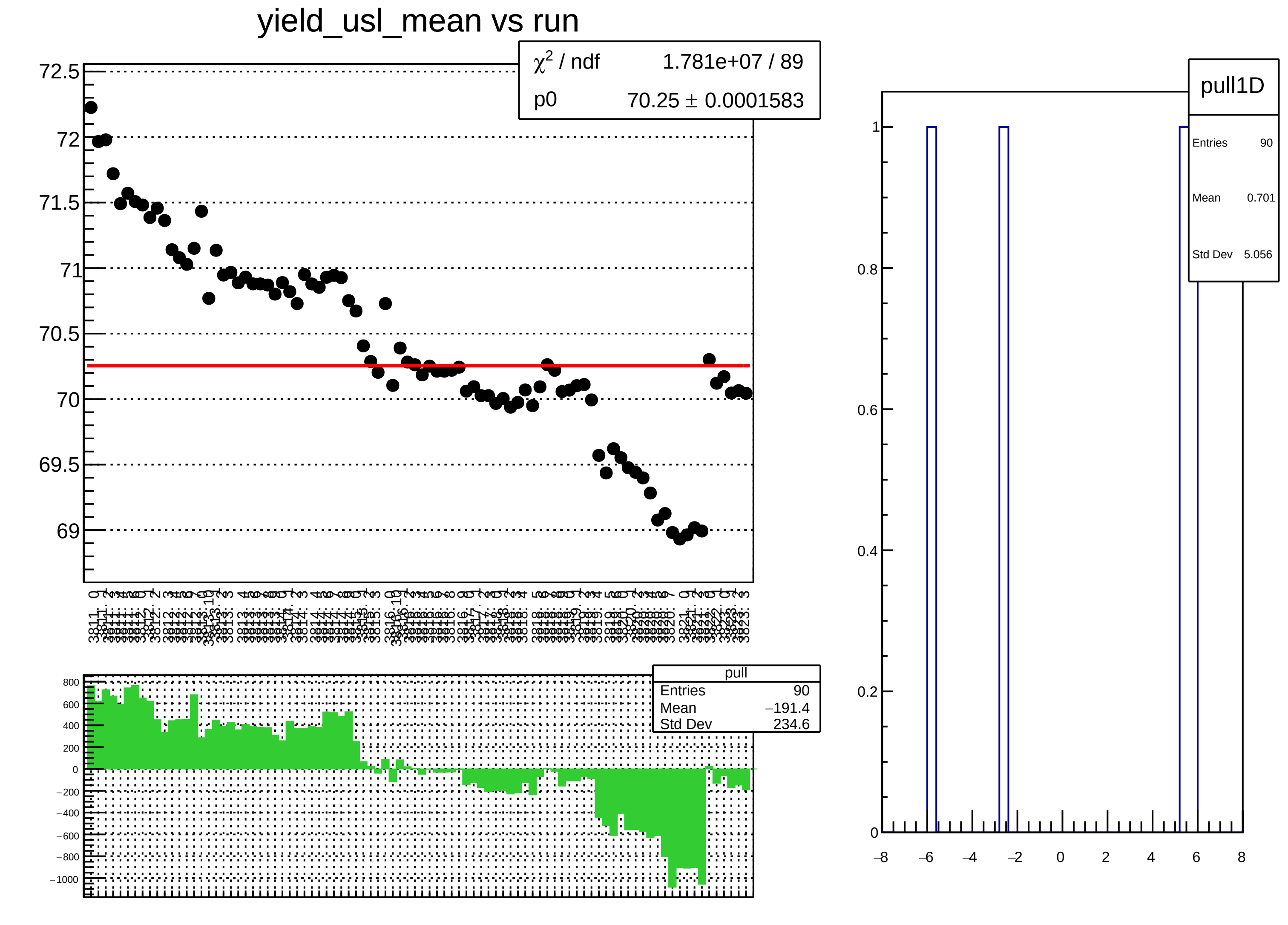
asym_bcm_an_us_cav4cQ_agg_dd_rms vs run
χ^2 / ndf 1854 / 89
p0 26.42 ± 0.02017
28
27
26
25
24

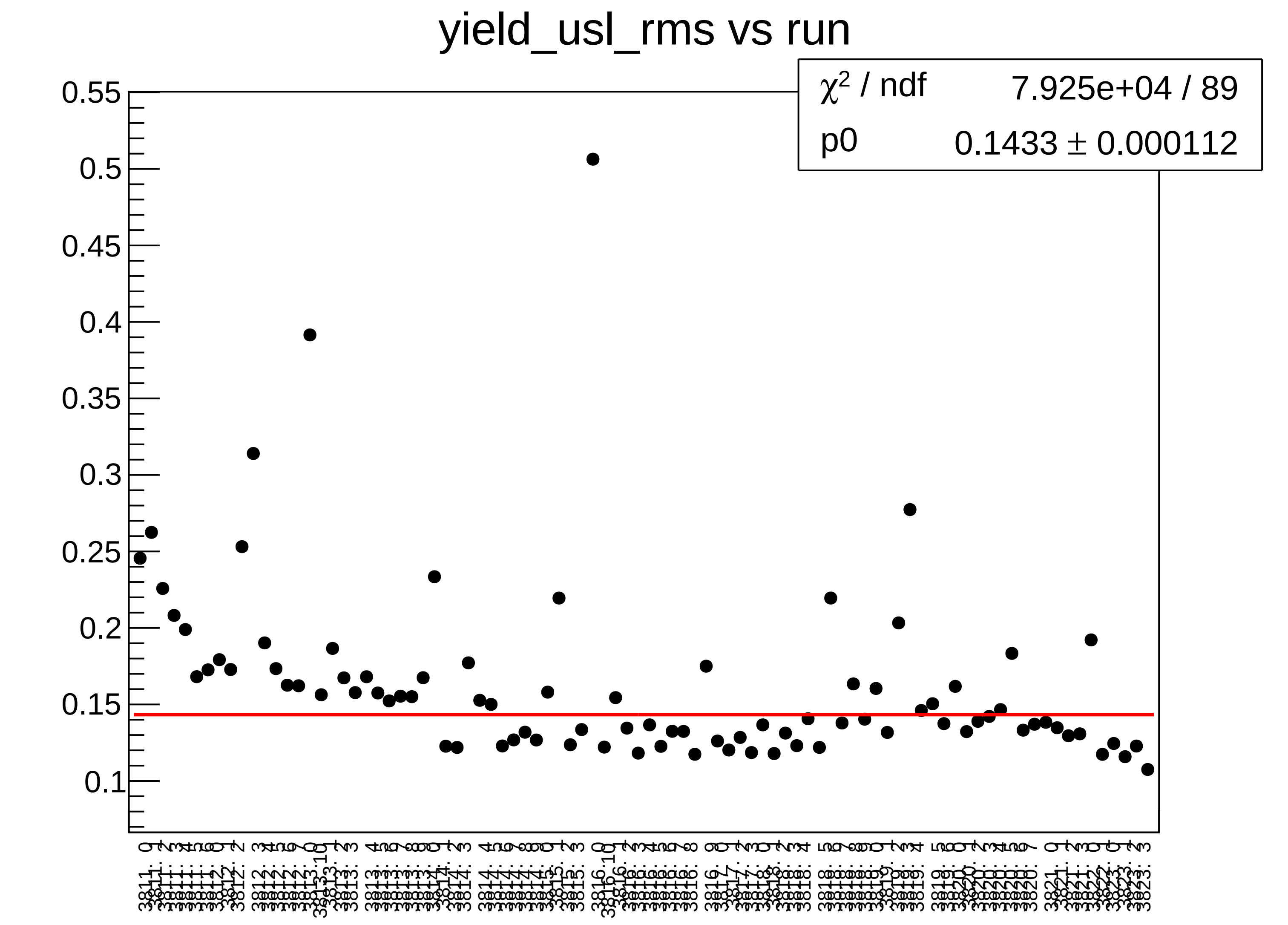

asym_bcm_an_ds_cav4cQ_agg_avg_mean vs run
χ² / ndf 23.49 / 89
p0 −13.13 ± 132.1
pull
Entries 90
Mean −90.83
Std Dev 132.8
pull1D
Entries 90
Mean 0.002677
Std Dev 0.5109


asym_bcm_an_ds_cav4cQ_agg_avg_rms vs run
χ^2 / ndf 6.664e+04 / 89
p0 120 ± 0.09341
200
180
160
140
120
100

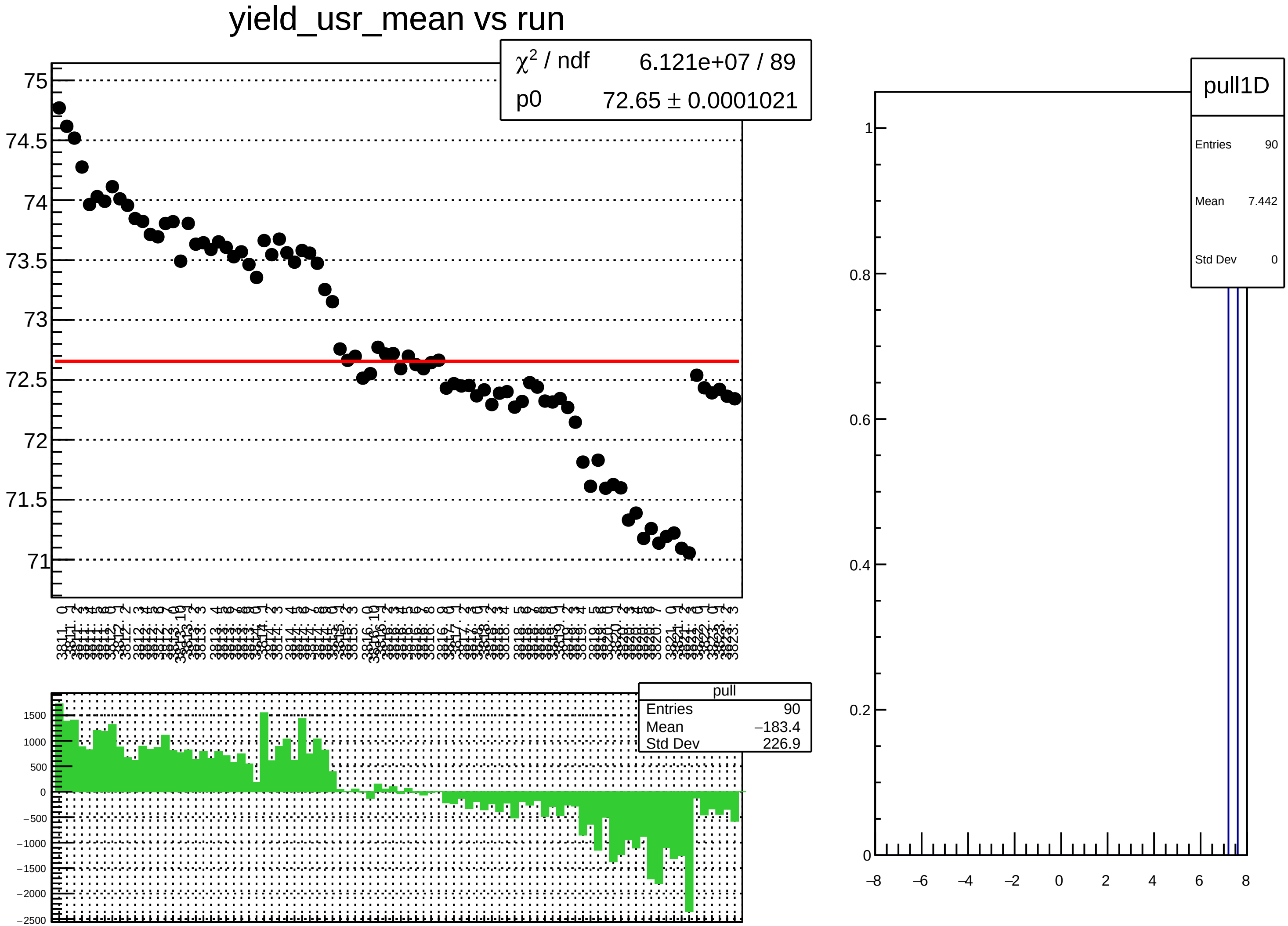

asym_bcm_an_ds_cav4cQ_agg_dd_mean vs run
χ^2 / ndf 94.33 / 89
p0 4.538 ± 29.61
pull
Entries 90
Mean −64.02
Std Dev 125.9
pull1D
Entries 90
Mean 0.007875
Std Dev 1.024


asym_bcm_an_ds_cav4cQ_agg_dd_rms vs run
χ^2 / ndf 3952 / 89
p0 27.41 ± 0.02094
31
30
29
28
27
26
25
24

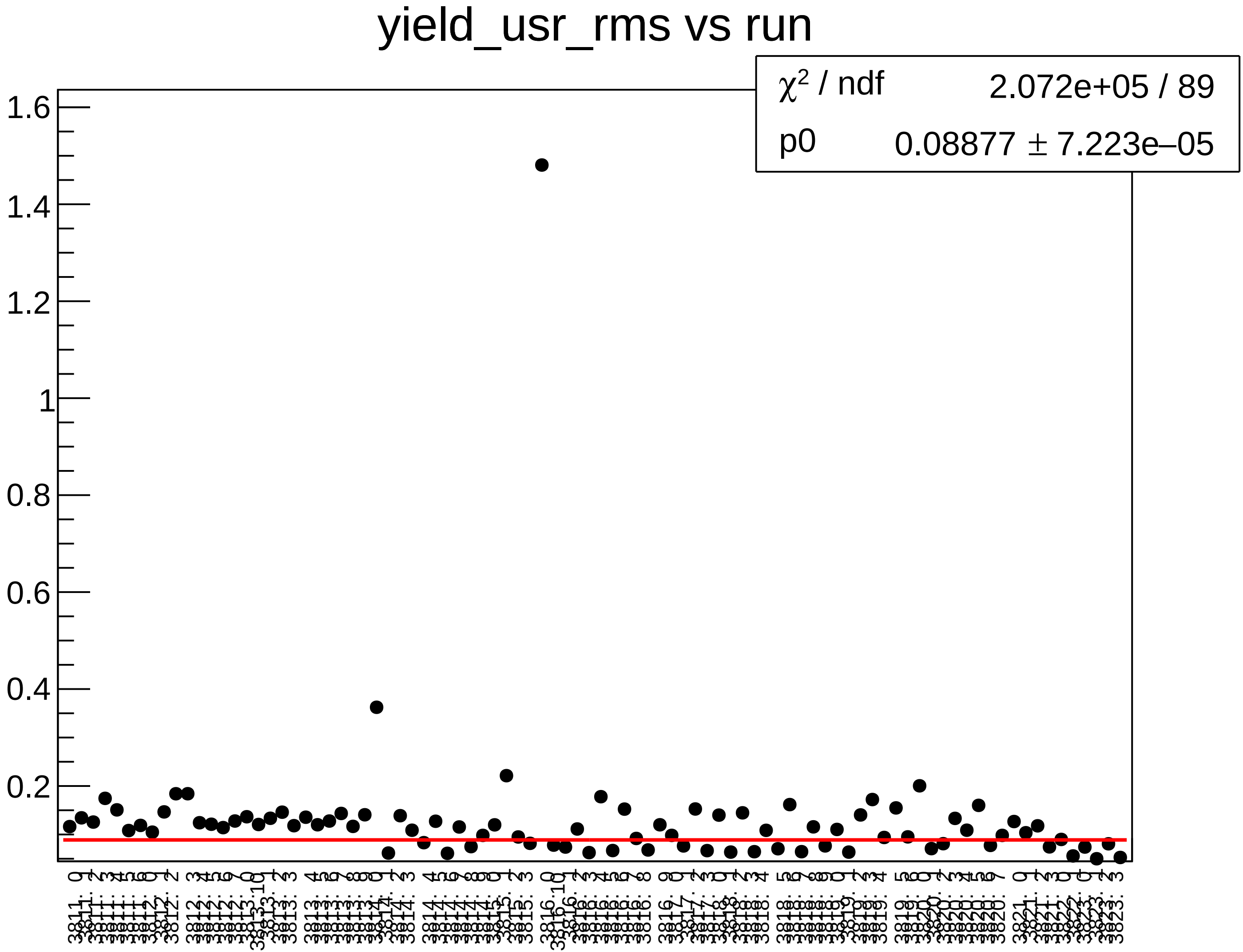

yield_usl_mean vs run
χ2 / ndf 1.781e+07 / 89
p0 70.25 ± 0.0001583
pull
Entries 90
Mean −191.4
Std Dev 234.6
pull1D
Entries 90
Mean 0.701
Std Dev 5.056

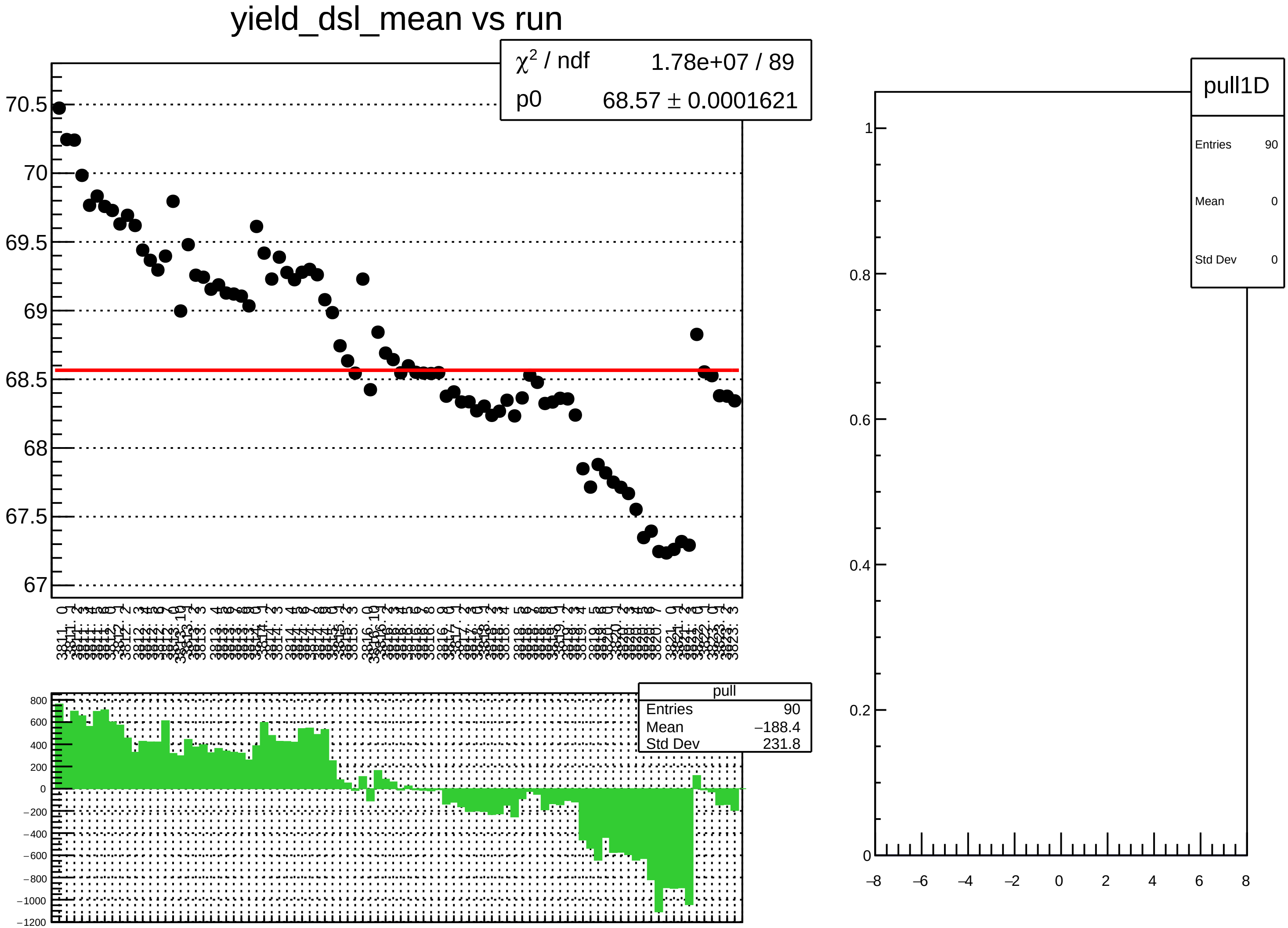


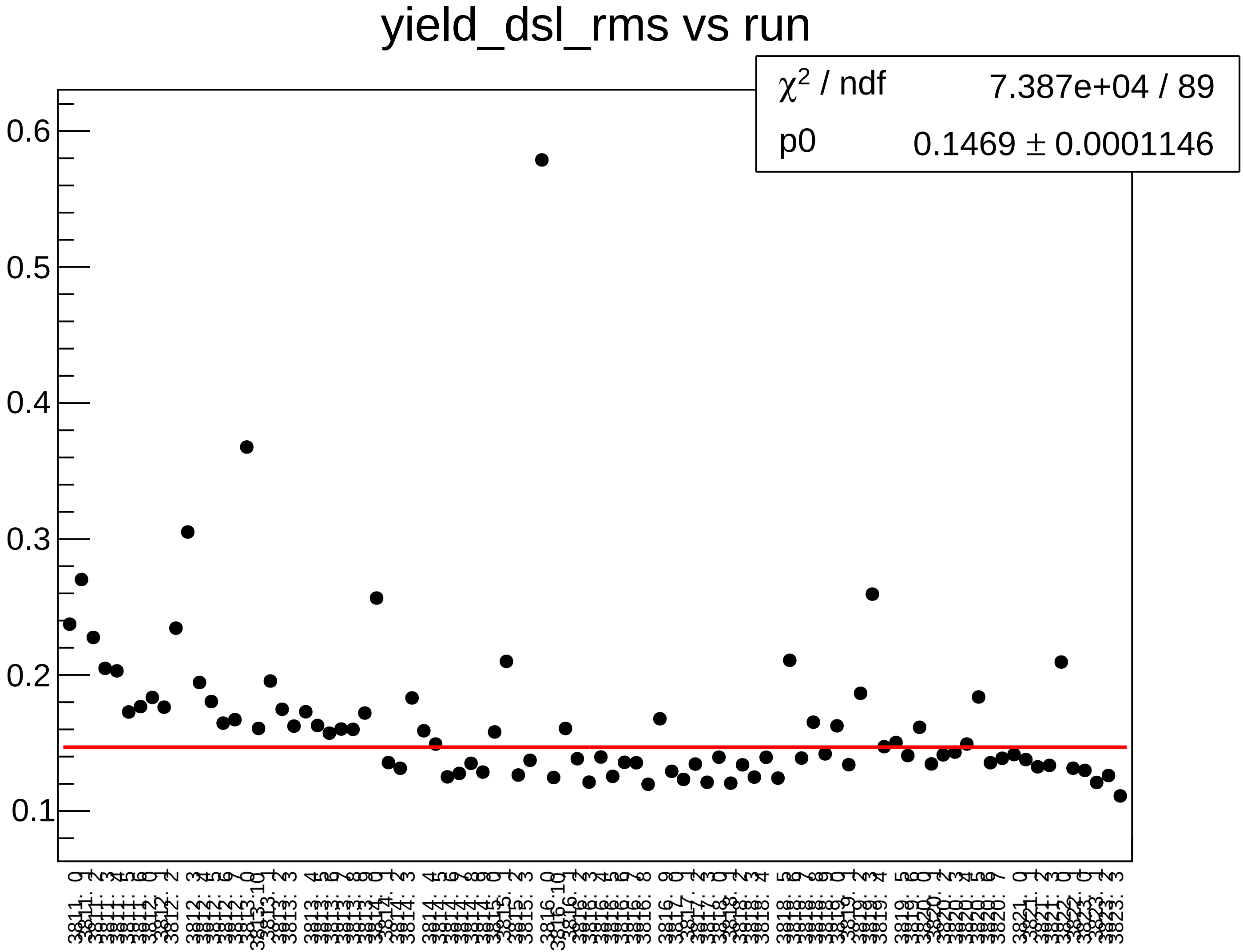
yield_usl_rms vs run
χ^2 / ndf 7.925e+04 / 89
p0 0.1433 ± 0.000112
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1



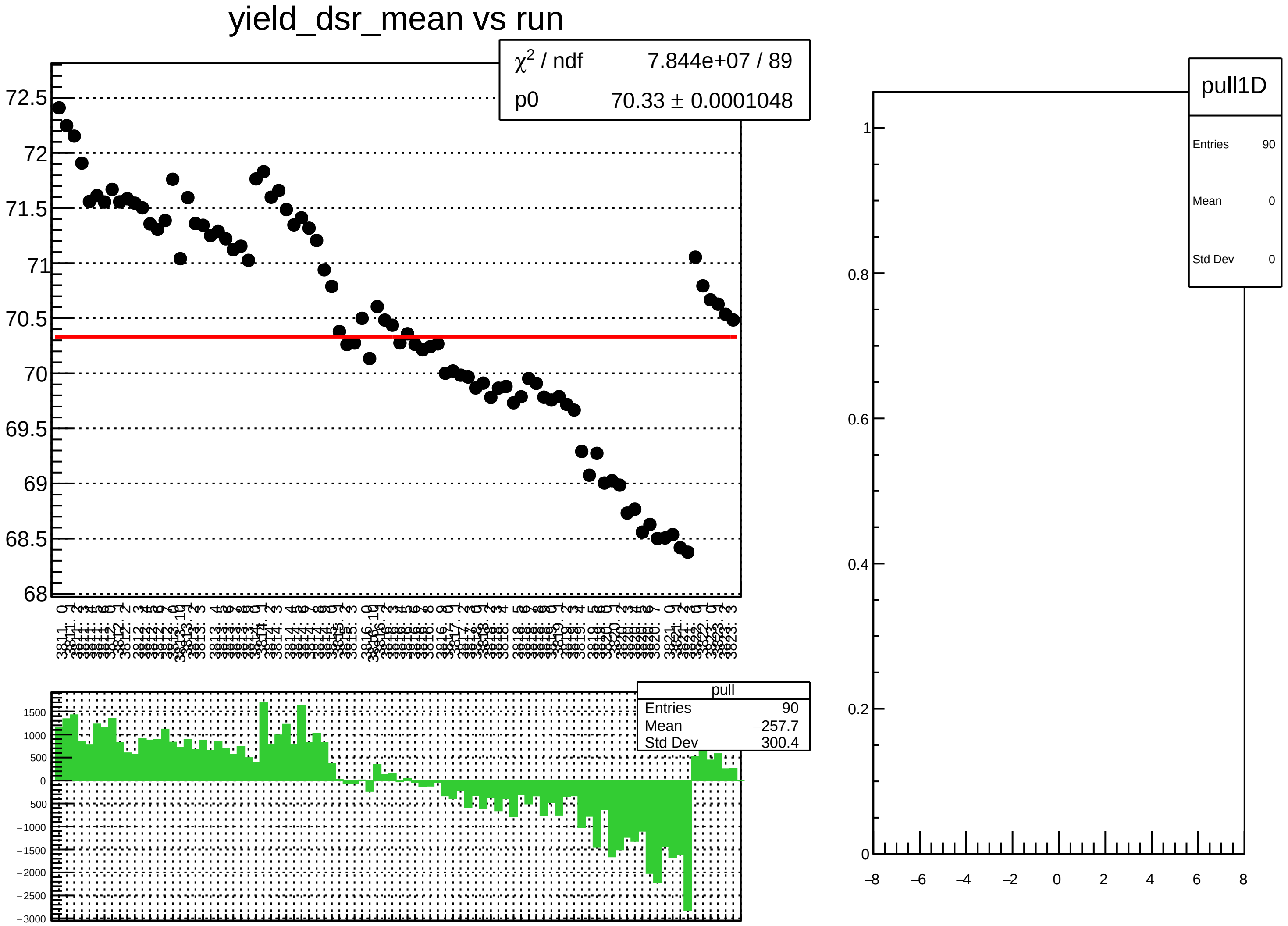
yield_usr_mean vs run
χ2 / ndf 6.121e+07 / 89
p0 72.65 ± 0.0001021
pull
Entries 90
Mean −183.4
Std Dev 226.9
pull1D
Entries 90
Mean 7.442
Std Dev 0


yield_usr_rms vs run
χ2 / ndf 2.072e+05 / 89
p0 0.08877 ± 7.223e−05
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

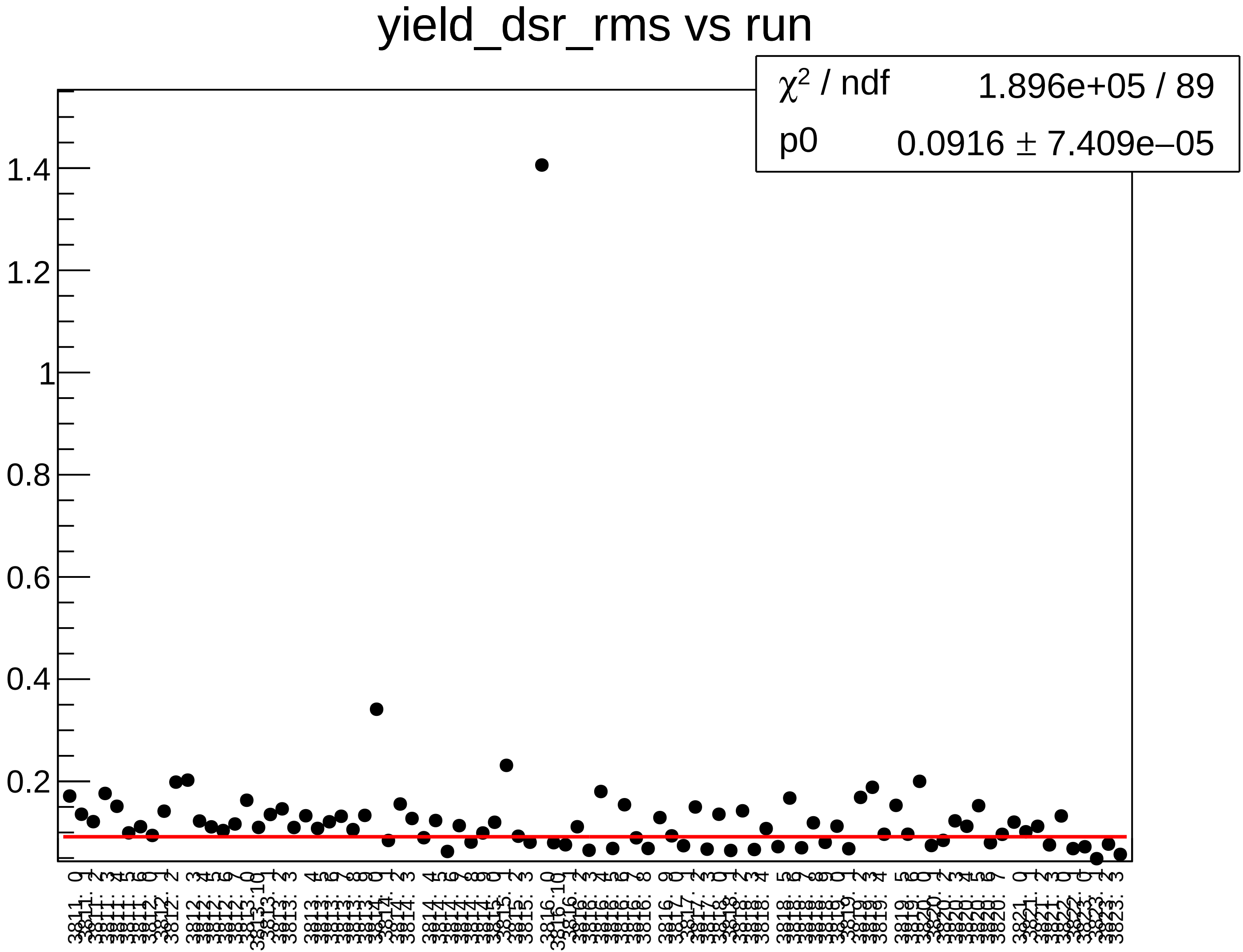

yield_dsl_mean vs run
χ^2 / ndf 1.78e+07 / 89
p0 68.57 ± 0.0001621
70.5
70
69.5
69
68.5
68
67.5
67
pull
Entries 90
Mean −188.4
Std Dev 231.8
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

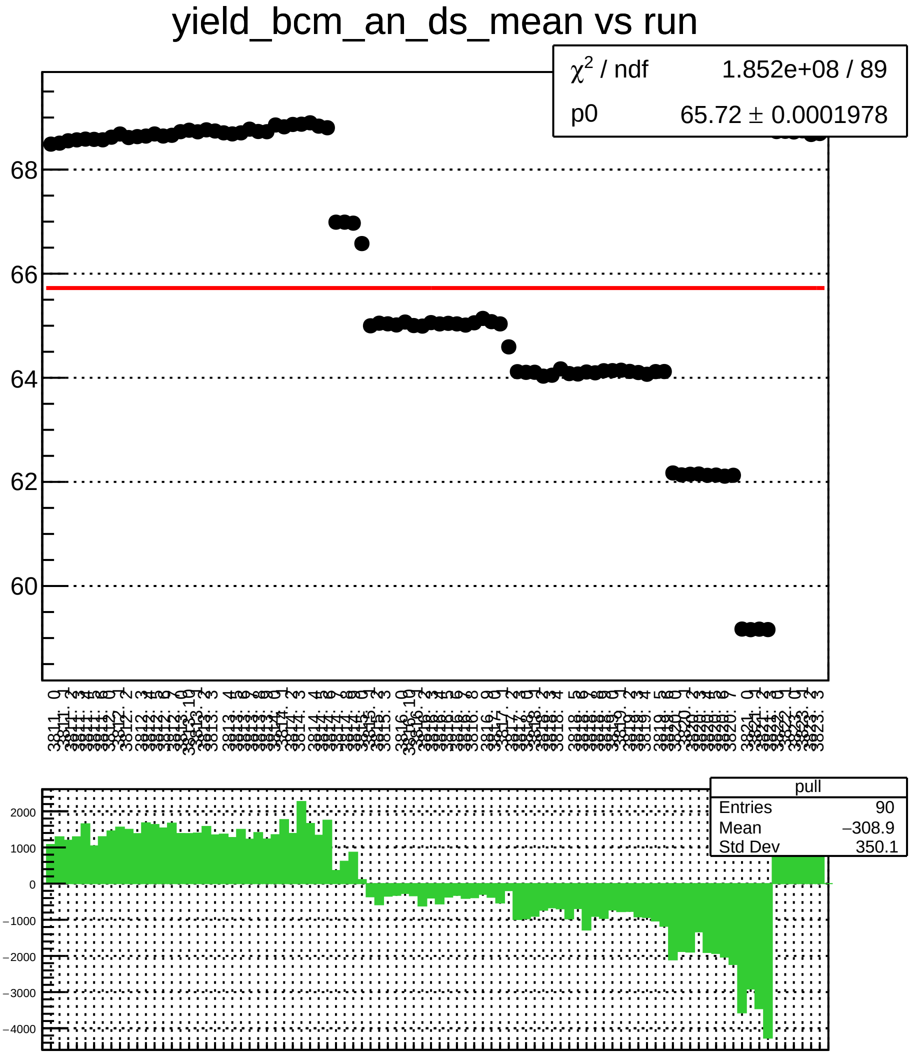


yield_dsl_rms vs run
χ^2 / ndf 7.387e+04 / 89
p0 0.1469 ± 0.0001146
0.6
0.5
0.4
0.3
0.2
0.1

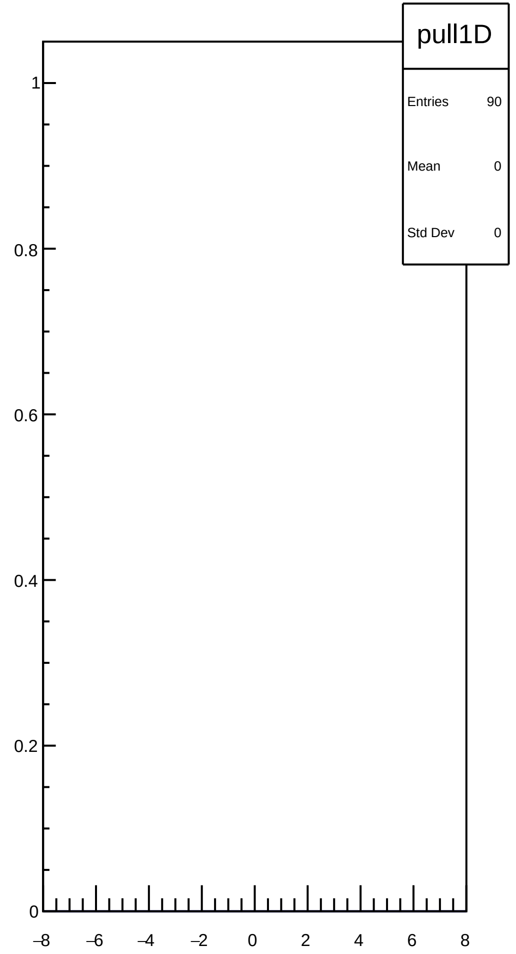


yield_dsr_mean vs run
χ^2 / ndf 7.844e+07 / 89
p0 70.33 ± 0.0001048
pull
Entries 90
Mean −257.7
Std Dev 300.4
pull1D
Entries 90
Mean 0
Std Dev 0

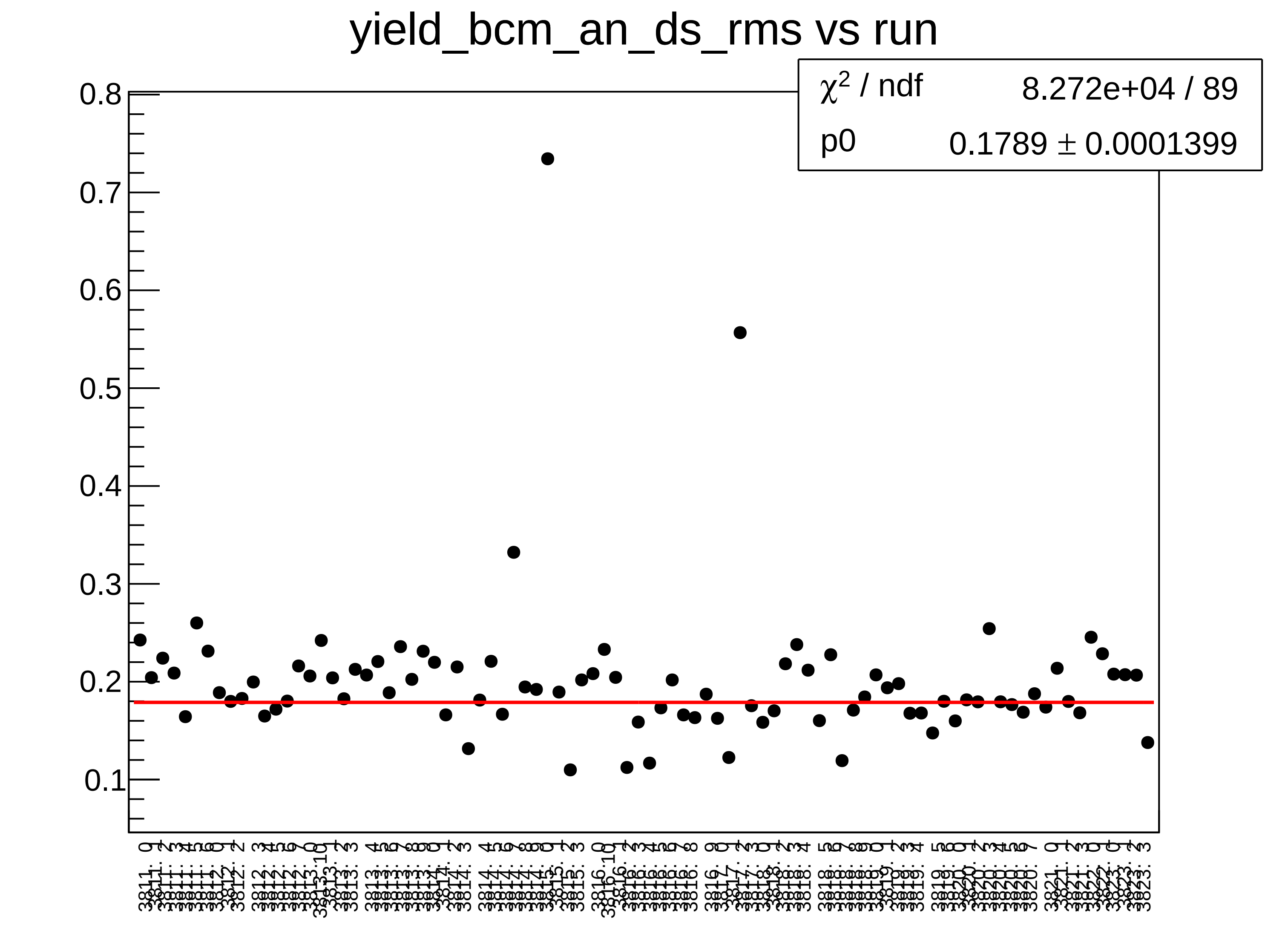

yield_dsr_rms vs run
χ2 / ndf 1.896e+05 / 89
p0 0.0916 ± 7.409e−05
1.4
1.2
1
0.8
0.6
0.4
0.2



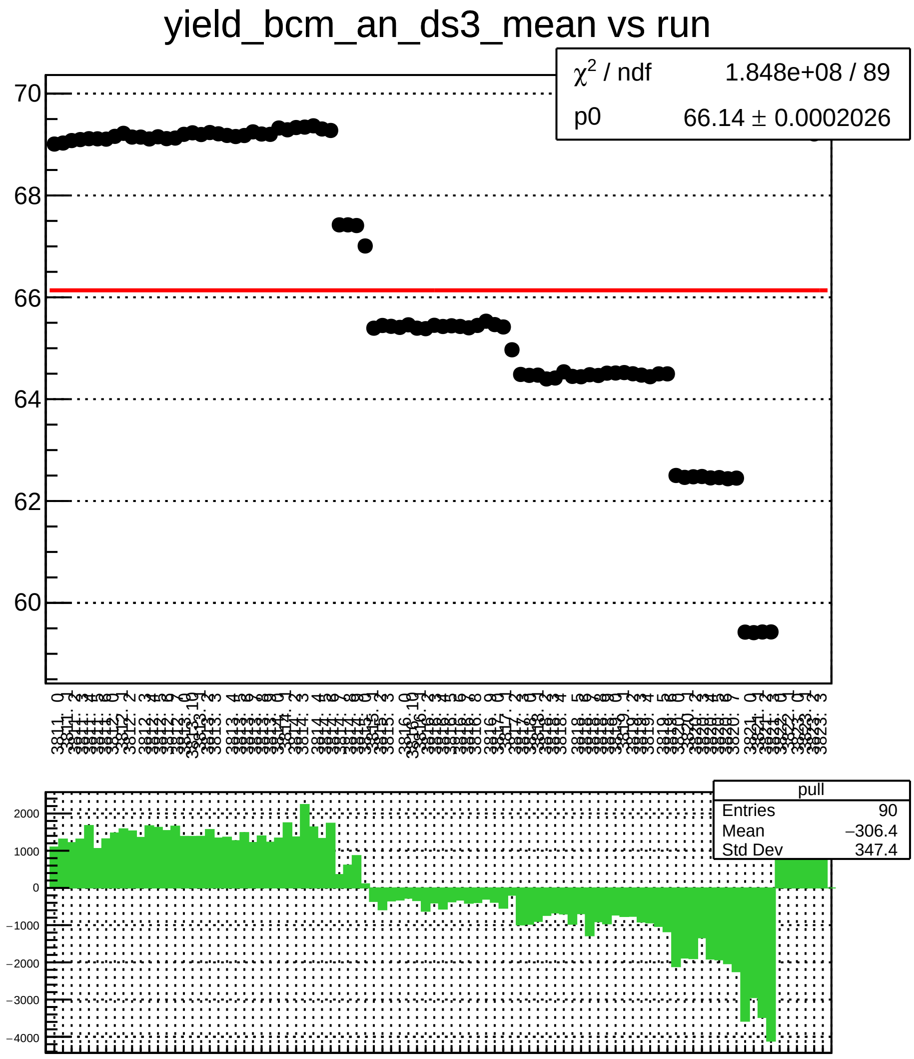
yield_bcm_an_ds_mean vs run
χ^2 / ndf 1.852e+08 / 89
p0 65.72 ± 0.0001978
68
66
64
62
60
pull
Entries 90
Mean −308.9
Std Dev 350.1
2000
1000
0
−1000
−2000
−3000
−4000

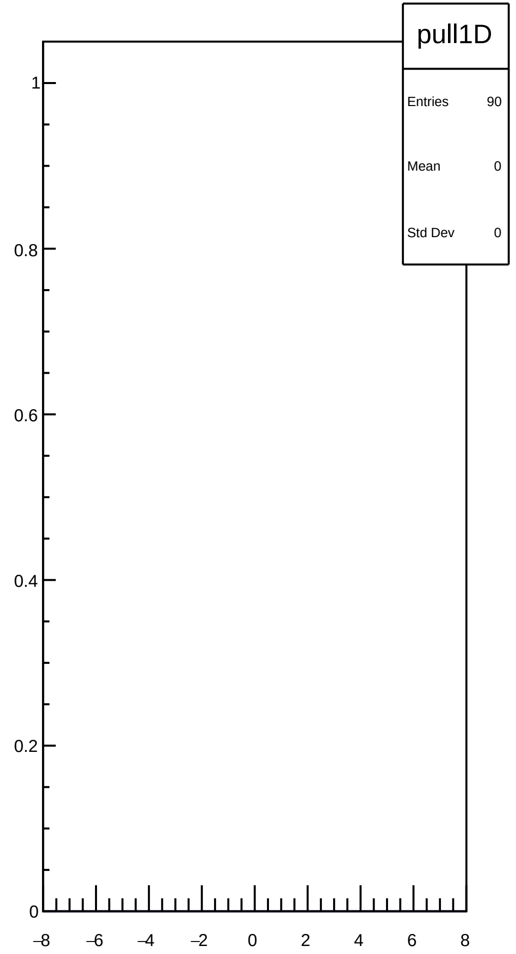


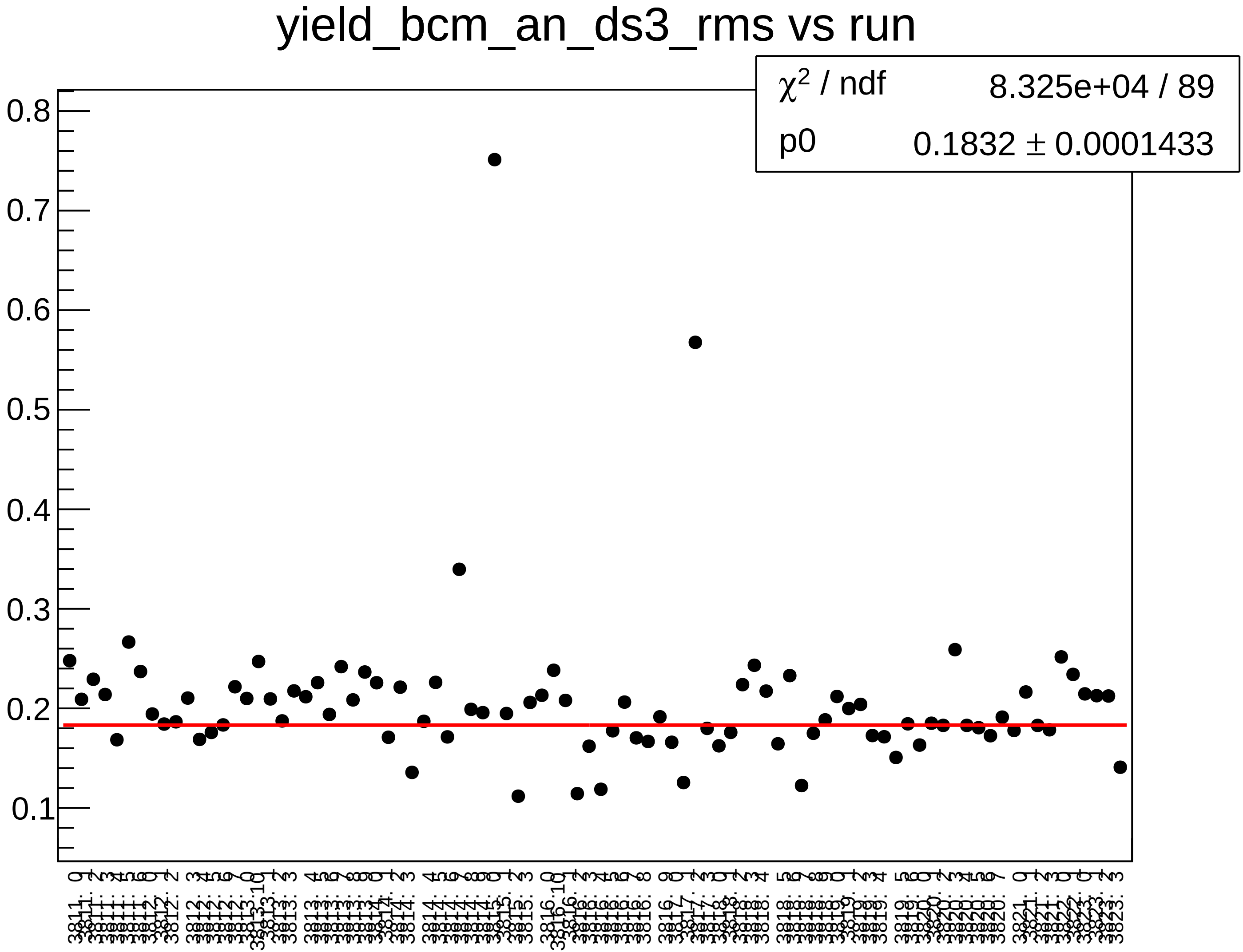
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



yield_bcm_an_ds_rms vs run
χ^2 / ndf 8.272e+04 / 89
p0 0.1789 ± 0.0001399
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

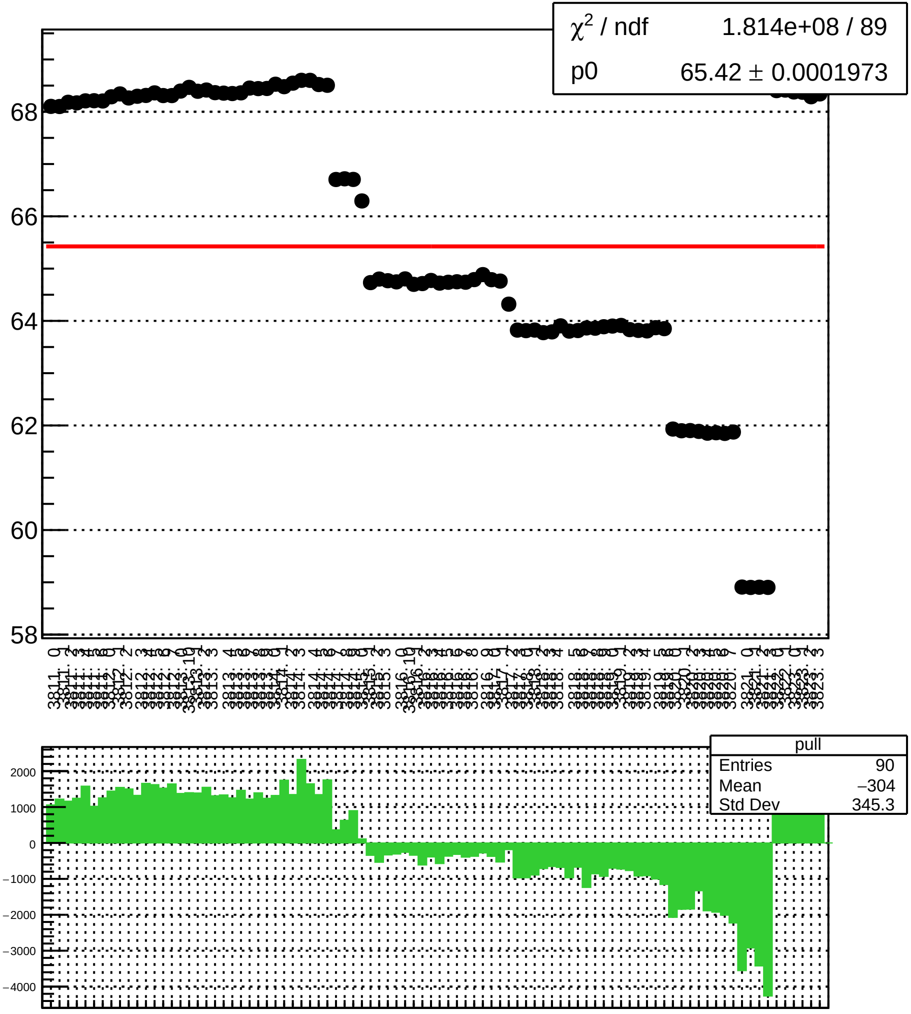

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.848e+08 / 89
p0 66.14 ± 0.0002026
pull
Entries 90
Mean −306.4
Std Dev 347.4

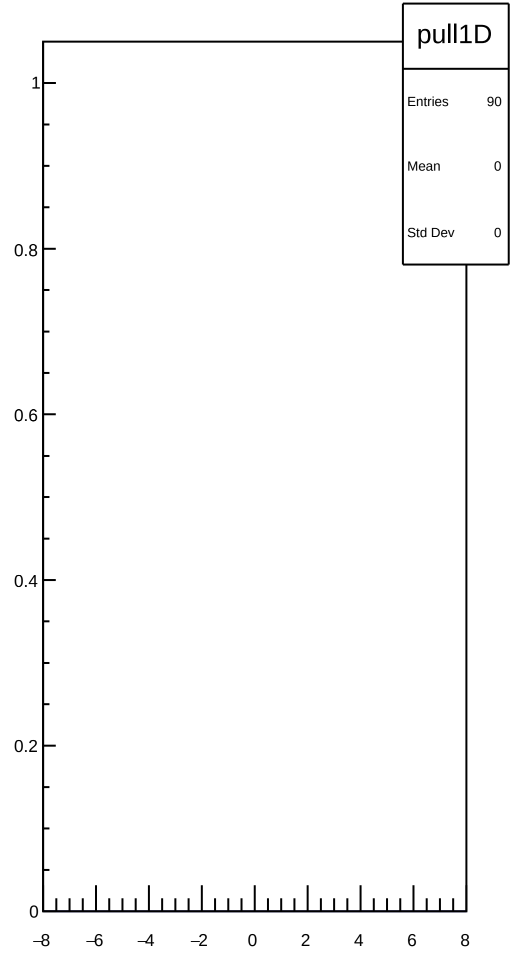

pull1D
Entries 90
Mean 0
Std Dev 0

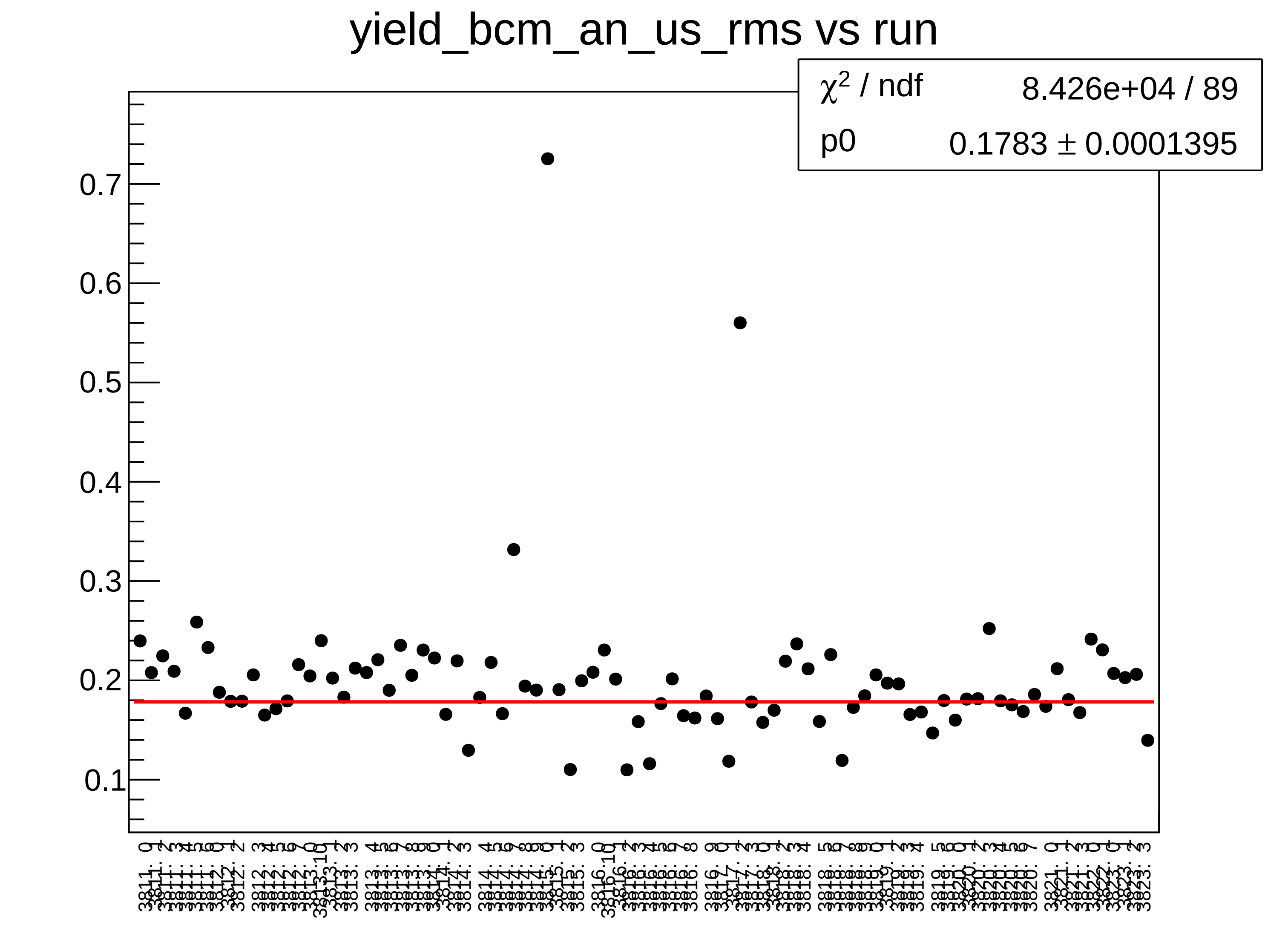


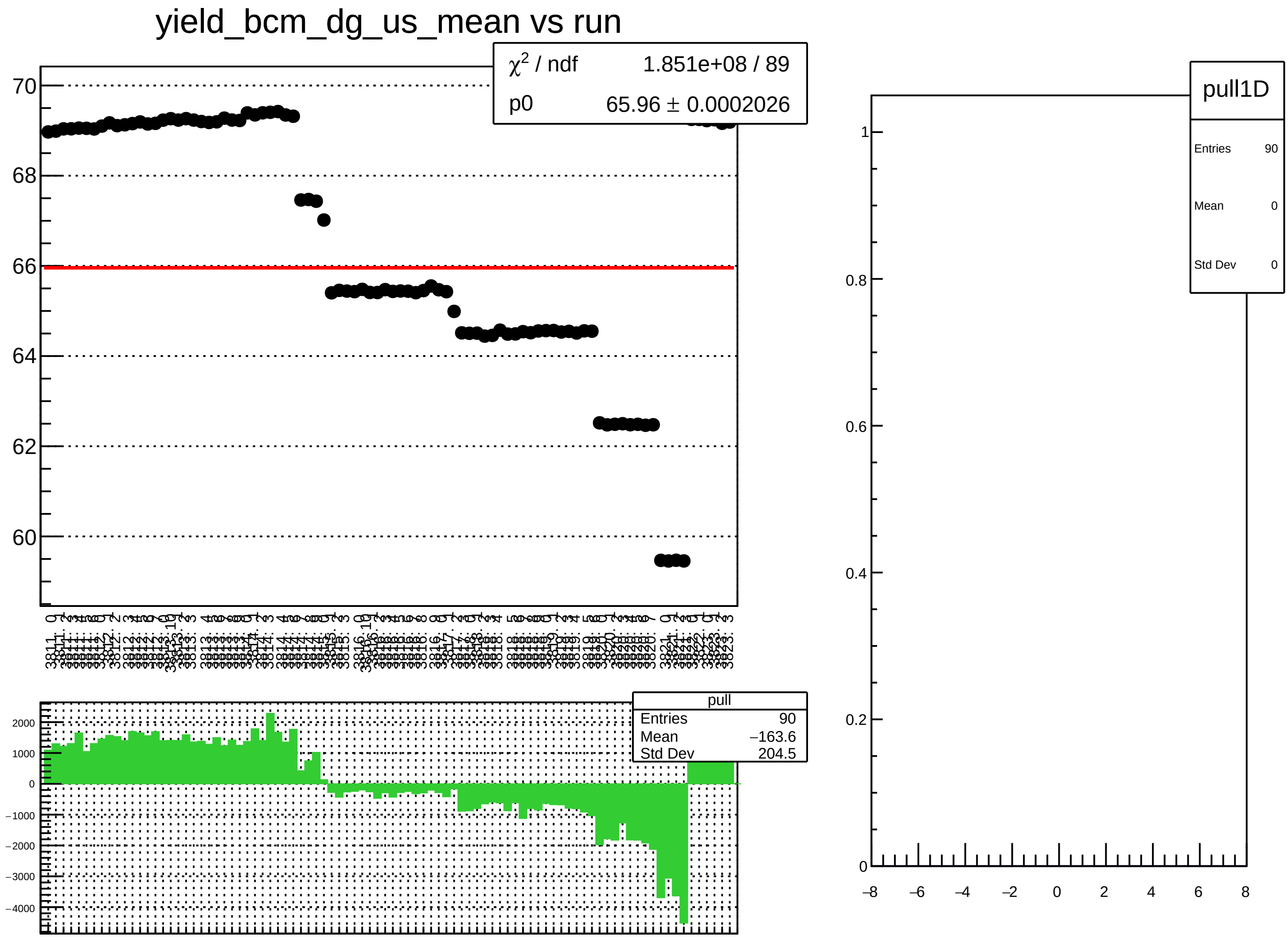
yield_bcm_an_ds3_rms vs run
χ^2 / ndf 8.325e+04 / 89
p0 0.1832 ± 0.0001433
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

yield_bcm_an_us_mean vs run

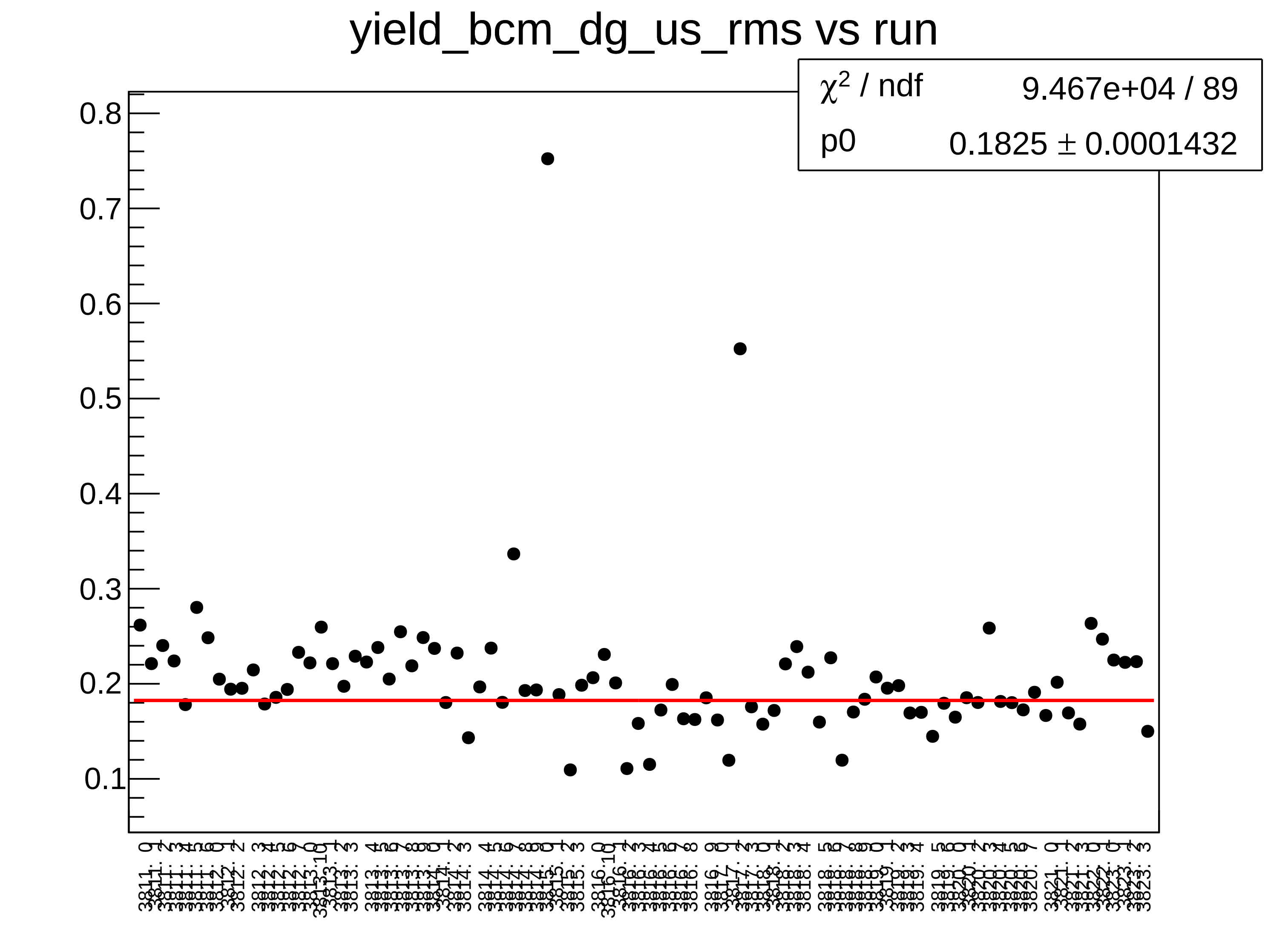




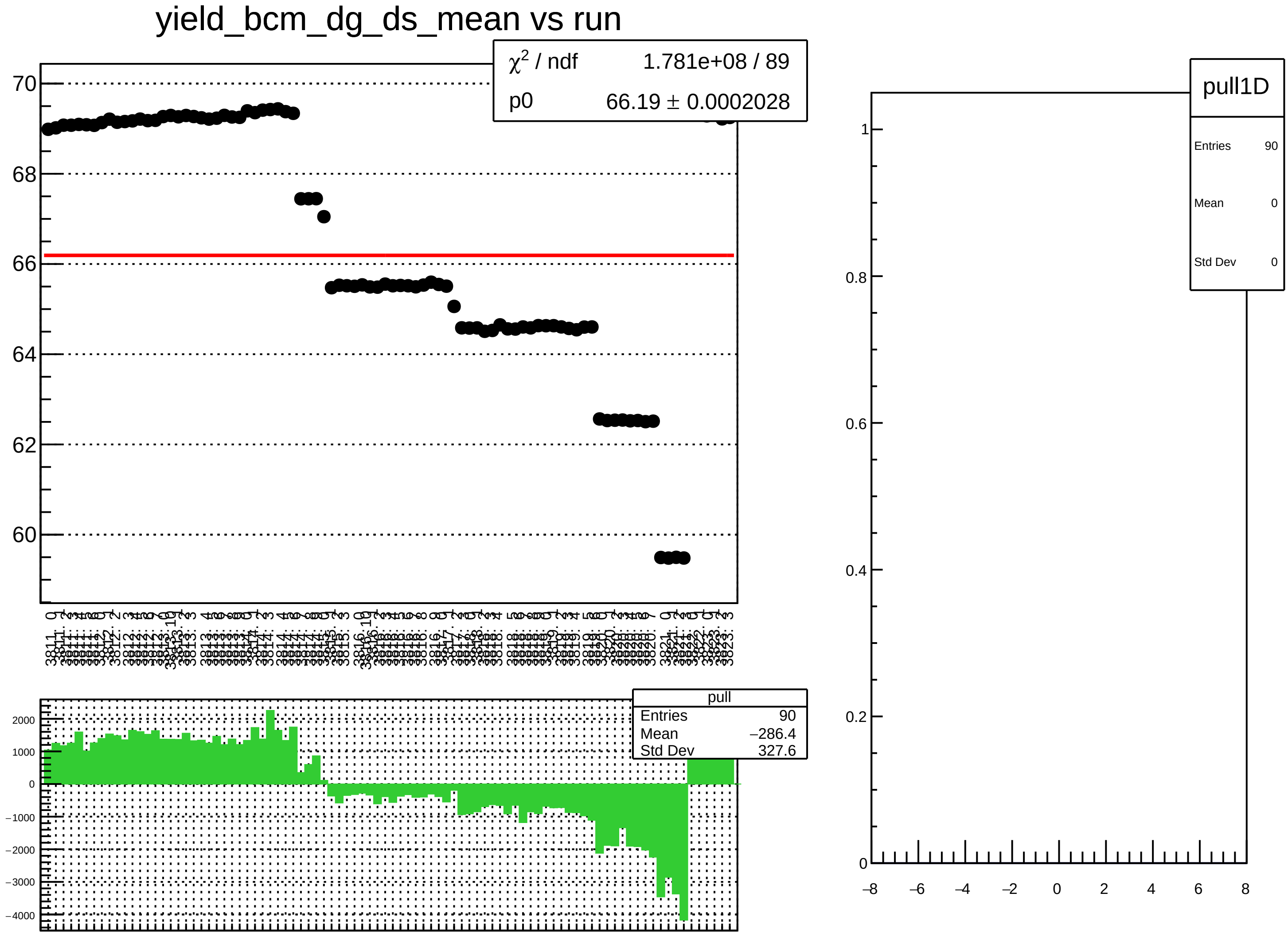

yield_bcm_an_us_rms vs run
χ2 / ndf 8.426e+04 / 89
p0 0.1783 ± 0.0001395
0.7
0.6
0.5
0.4
0.3
0.2
0.1

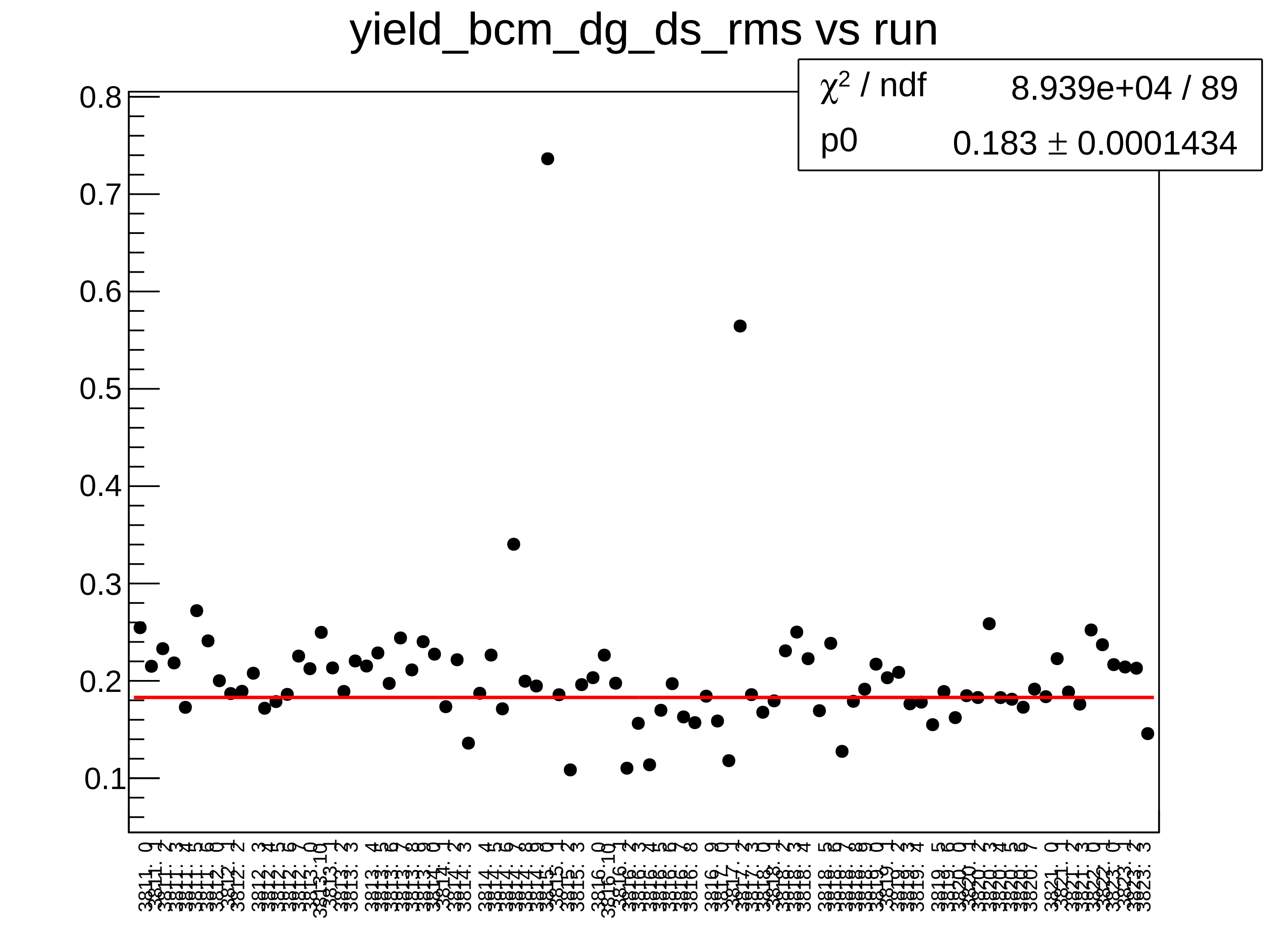


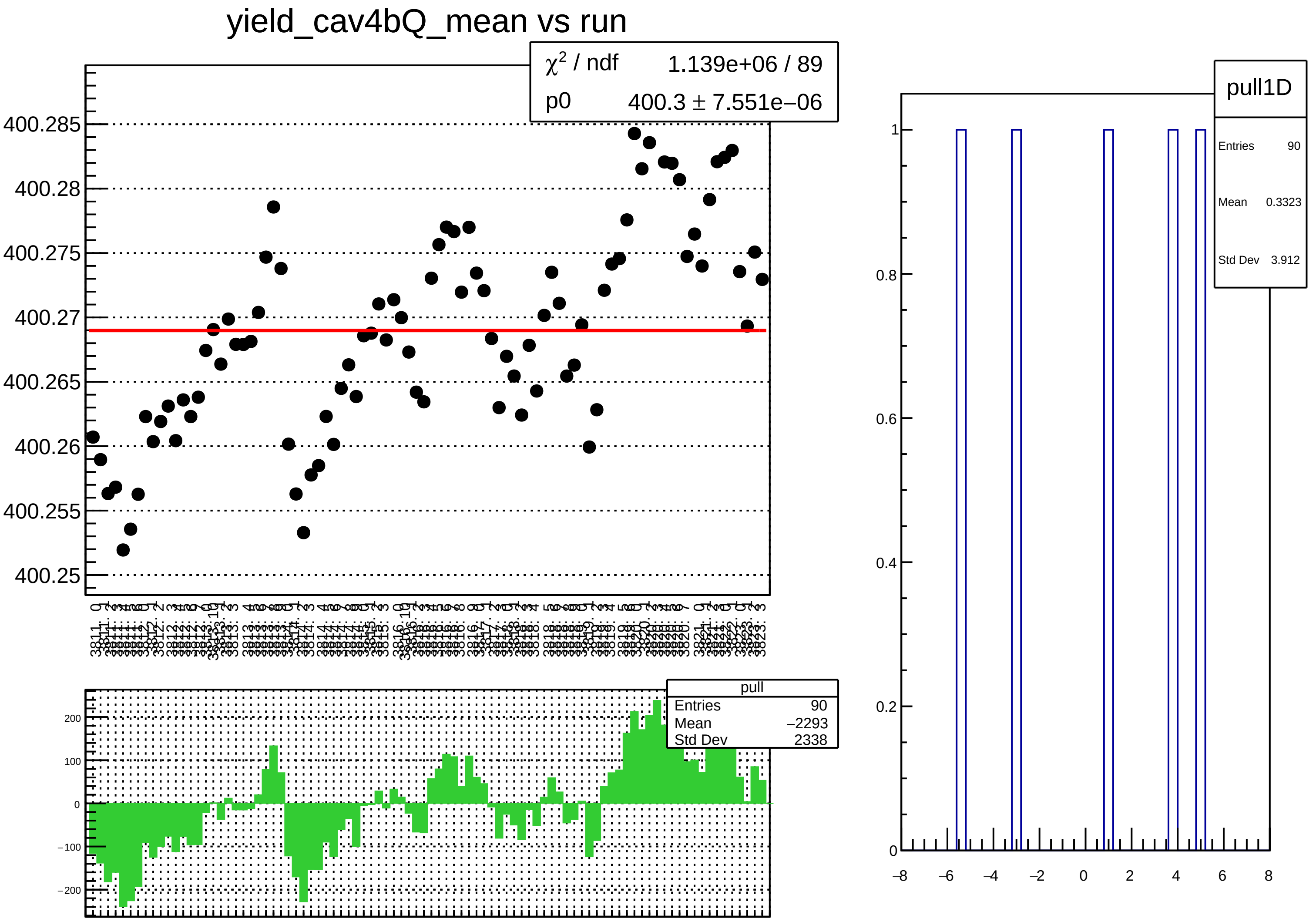
yield_bcm_dg_us_mean vs run
χ^2 / ndf 1.851e+08 / 89
p0 65.96 ± 0.0002026
pull
Entries 90
Mean −163.6
Std Dev 204.5
pull1D
Entries 90
Mean 0
Std Dev 0



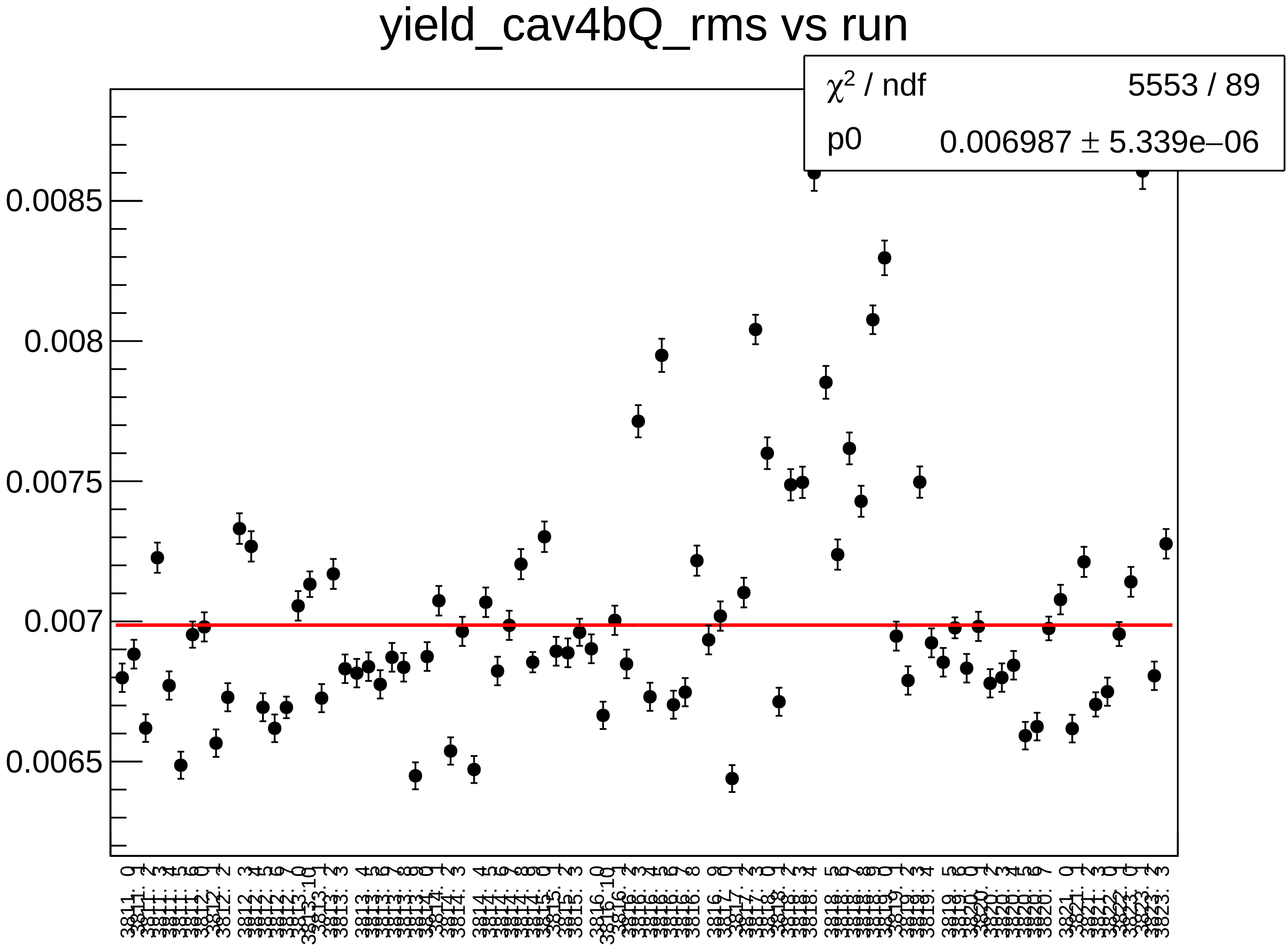
yield_bcm_dg_us_rms vs run
χ^2 / ndf 9.467e+04 / 89
p0 0.1825 ± 0.0001432
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

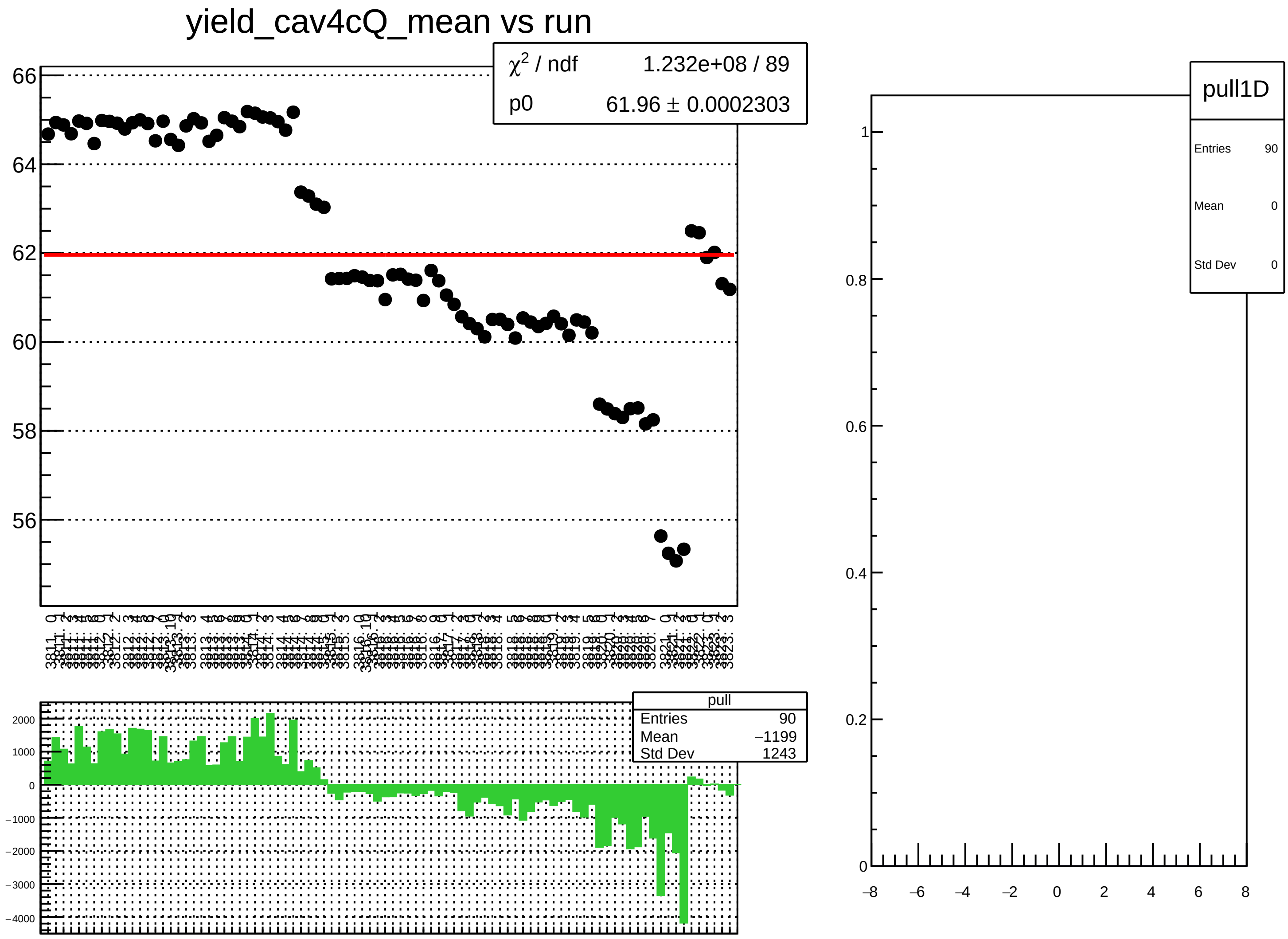

yield_bcm_dg_ds_mean vs run
χ2 / ndf 1.781e+08 / 89
p0 66.19 ± 0.0002028
pull
Entries 90
Mean −286.4
Std Dev 327.6
pull1D
Entries 90
Mean 0
Std Dev 0


yield_bcm_dg_ds_rms vs run
χ2 / ndf
8.939e+04 / 89
p0
0.183 ± 0.0001434
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

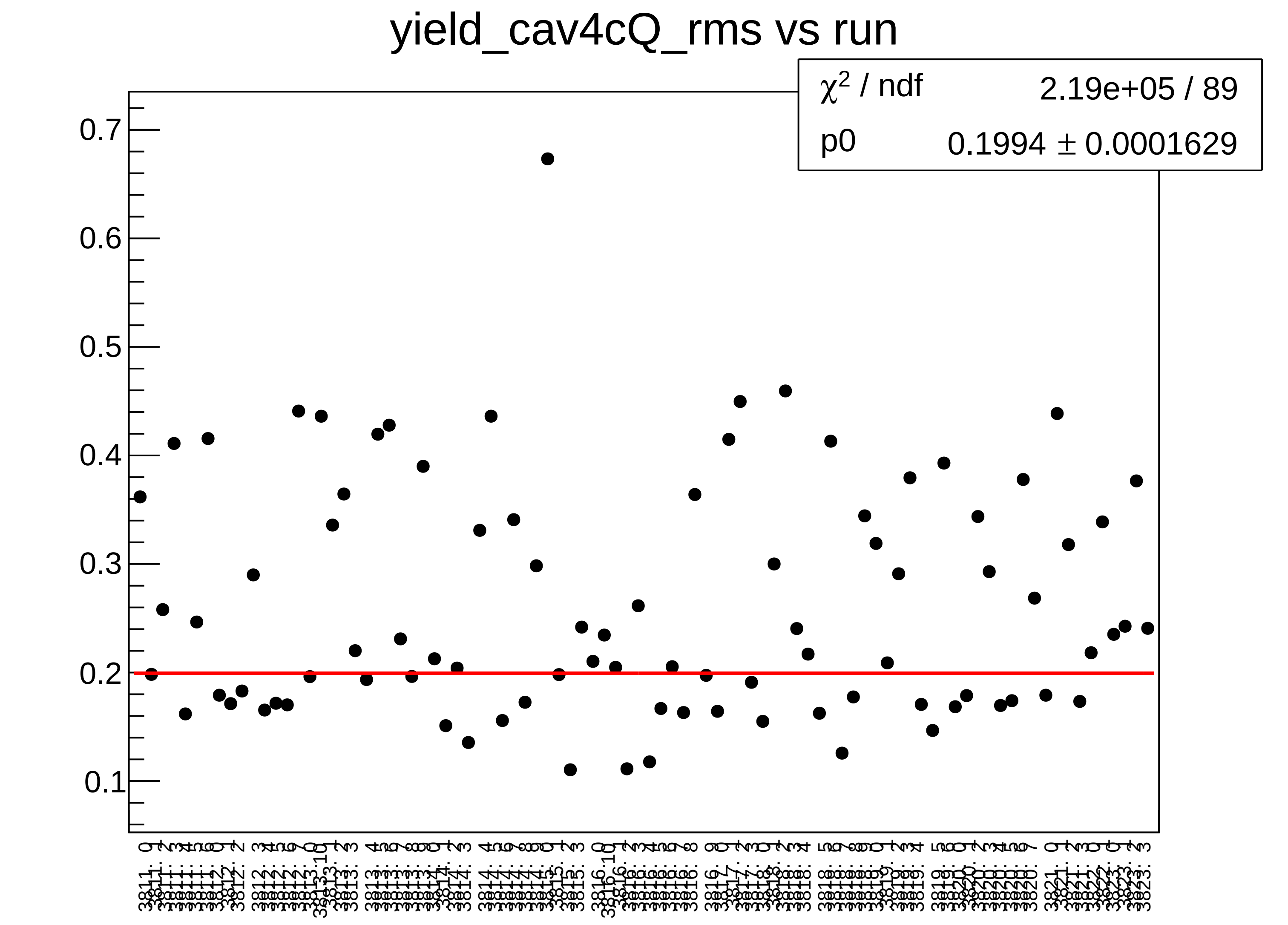


yield_cav4bQ_mean vs run
χ^2 / ndf 1.139e+06 / 89
p0 400.3 ± 7.551e−06
pull
Entries 90
Mean −2293
Std Dev 2338
pull1D
Entries 90
Mean 0.3323
Std Dev 3.912

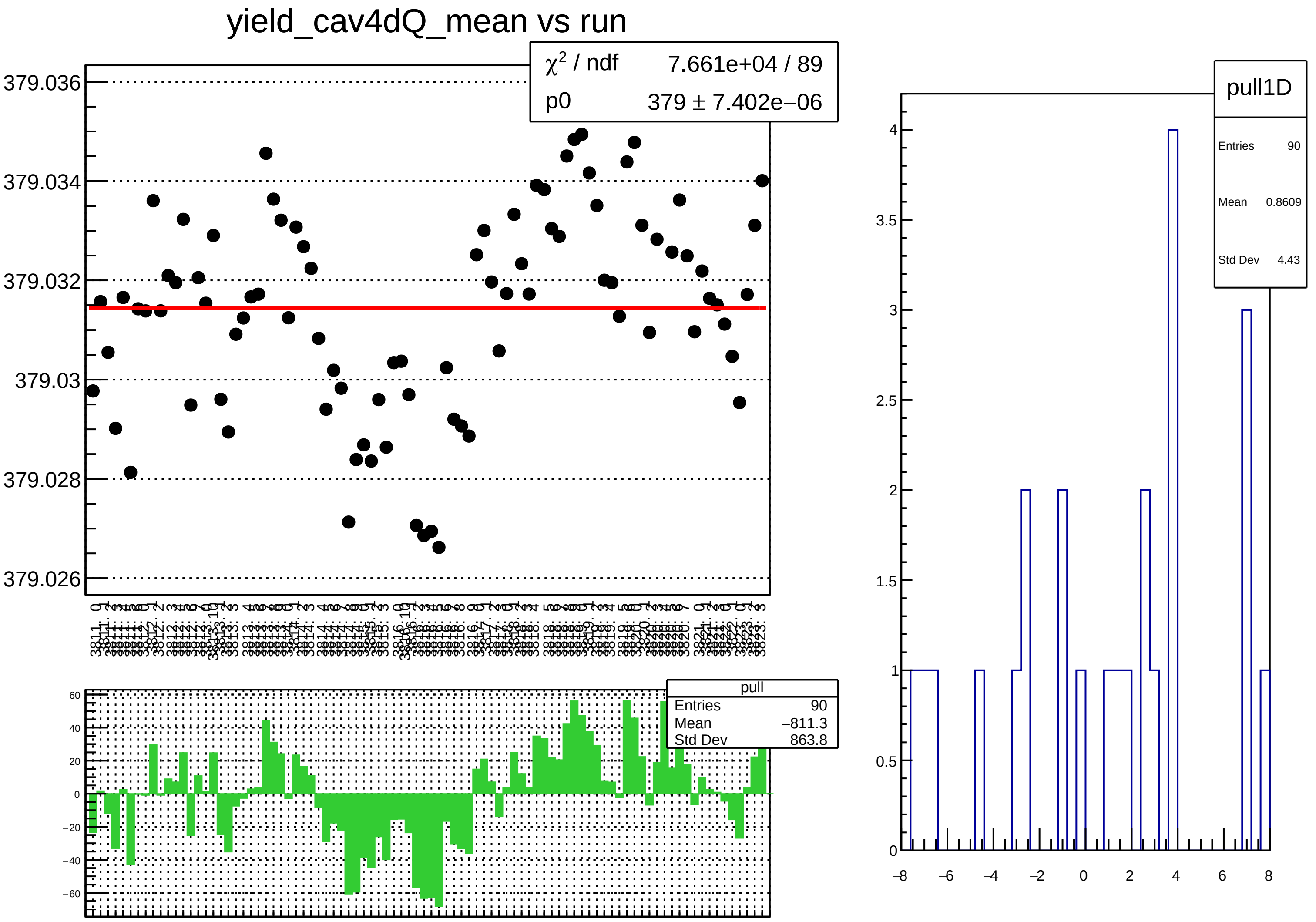

yield_cav4bQ_rms vs run
χ^2 / ndf 5553 / 89
p0 0.006987 ± 5.339e−06
0.0085
0.008
0.0075
0.007
0.0065



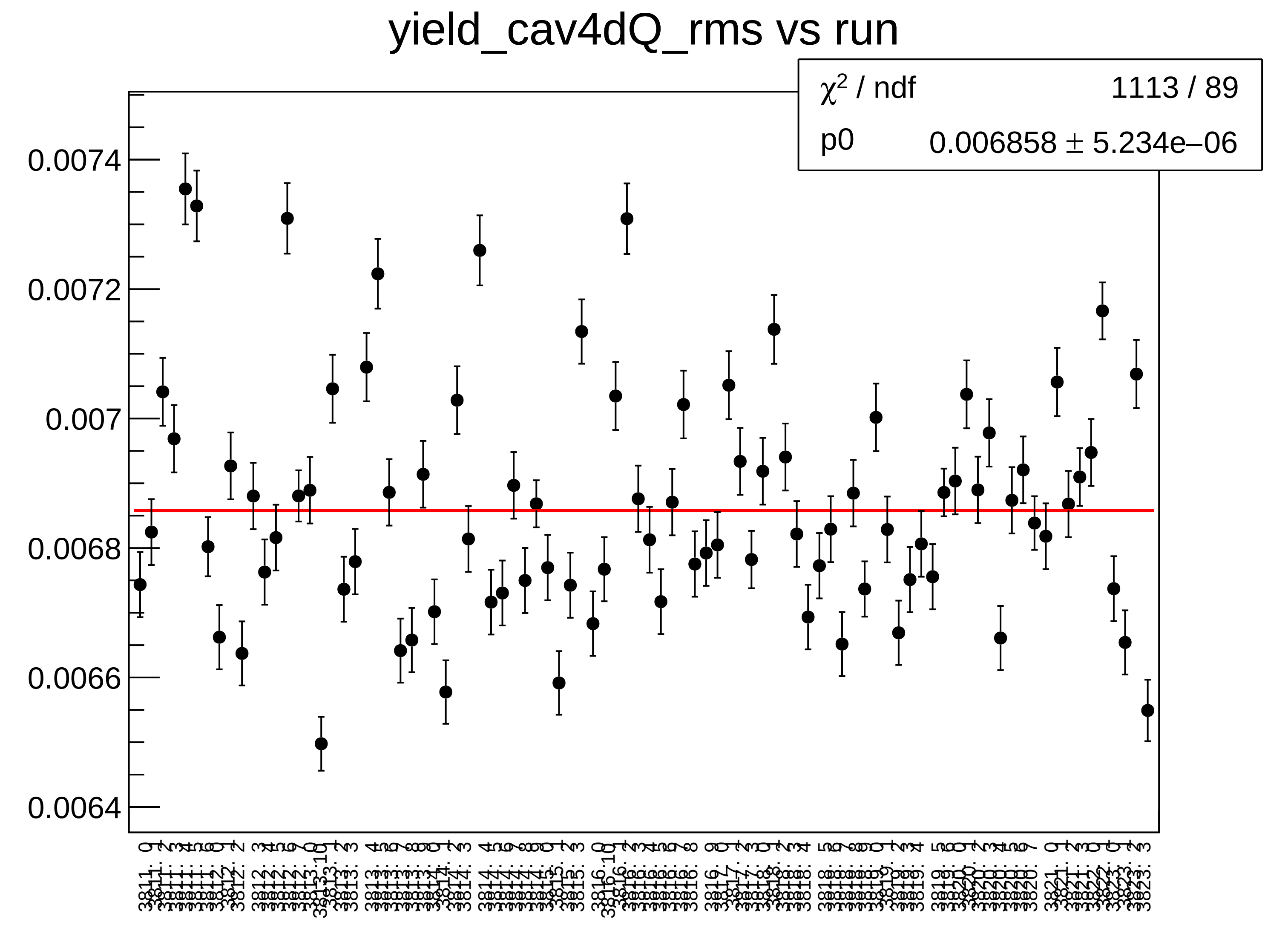
yield_cav4cQ_mean vs run
χ2 / ndf 1.232e+08 / 89
p0 61.96 ± 0.0002303
pull
Entries 90
Mean −1199
Std Dev 1243
pull1D
Entries 90
Mean 0
Std Dev 0

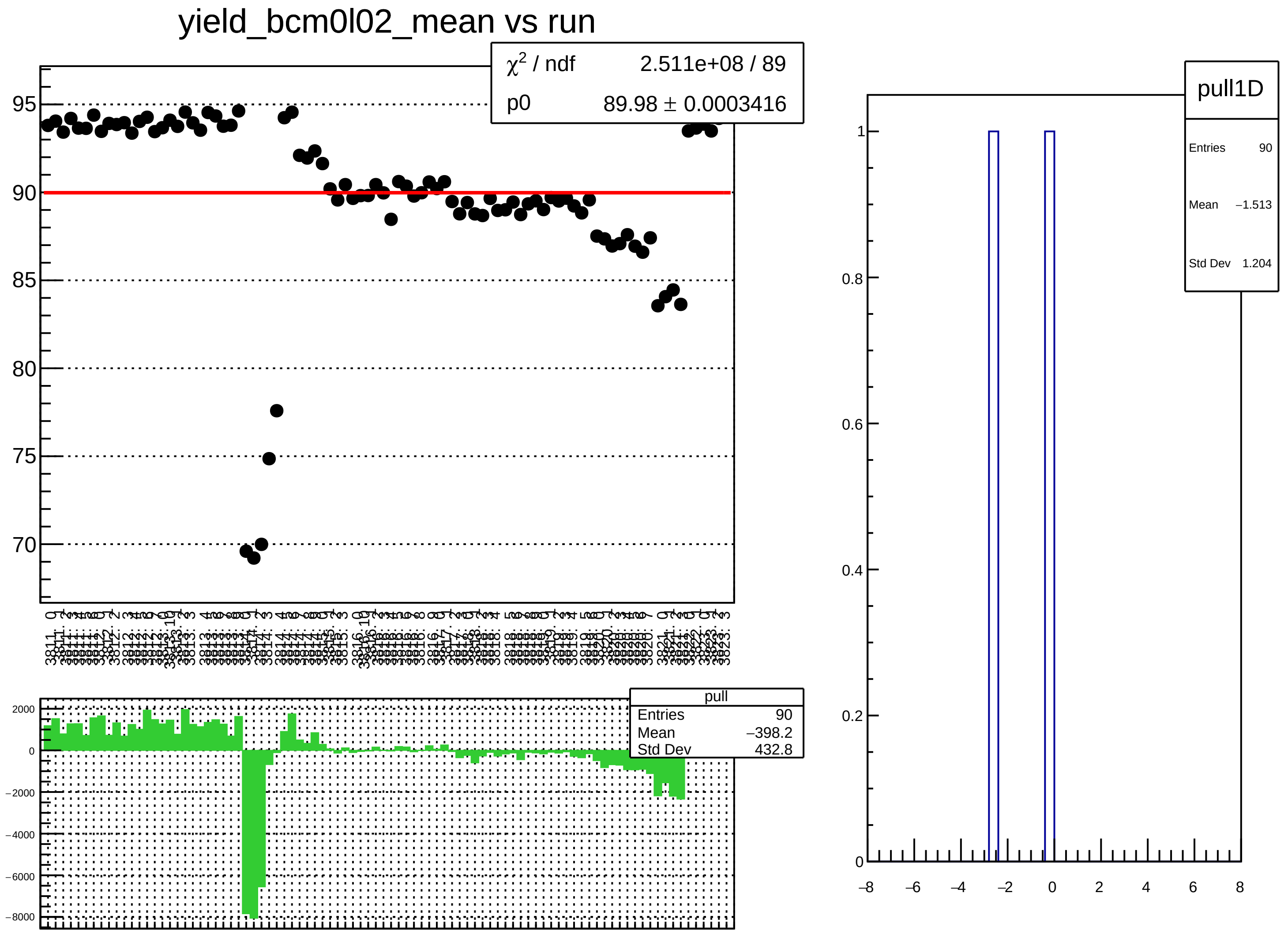


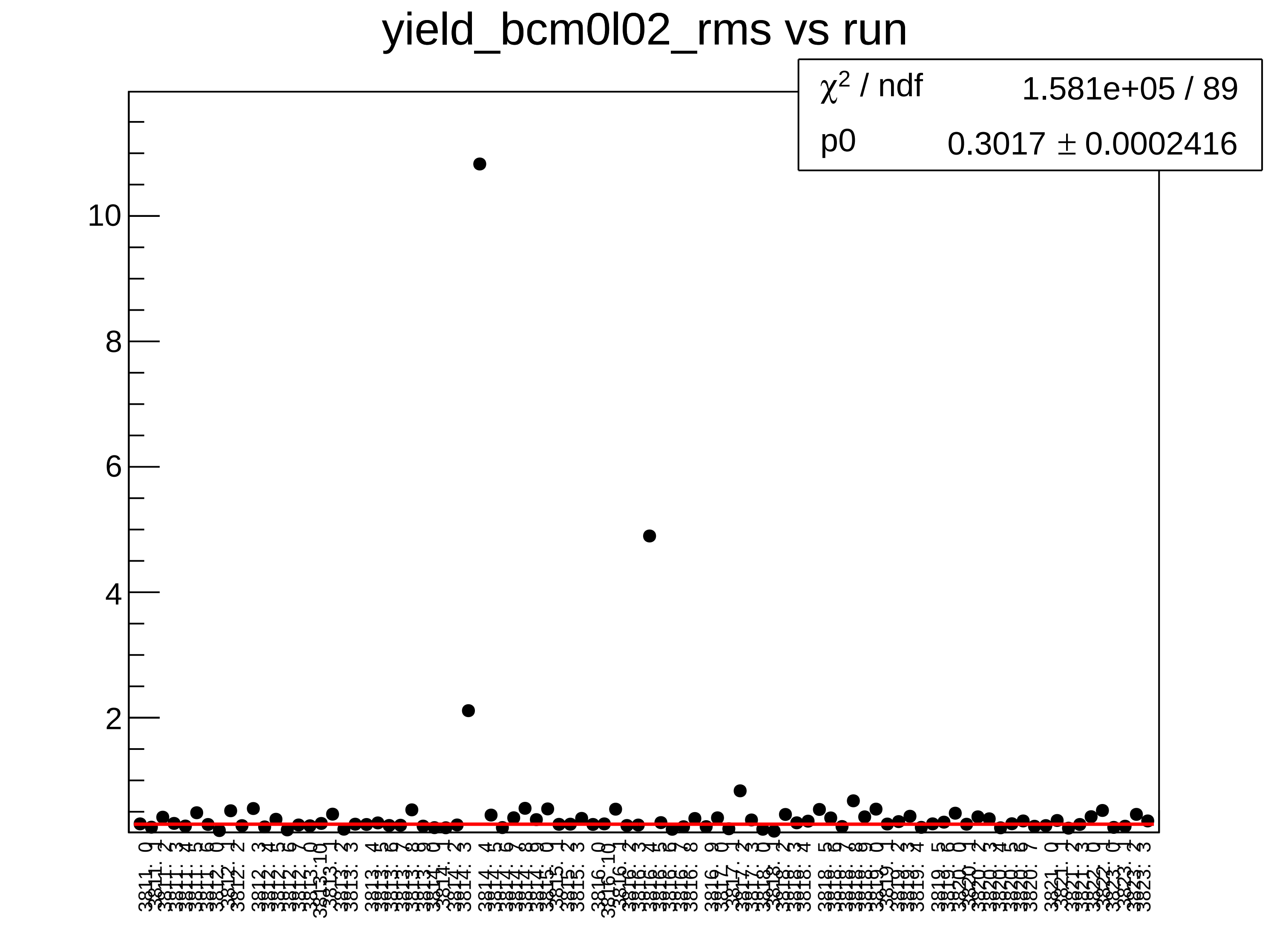
yield_cav4cQ_rms vs run
χ^2 / ndf 2.19e+05 / 89
p0 0.1994 ± 0.0001629
0.7
0.6
0.5
0.4
0.3
0.2
0.1



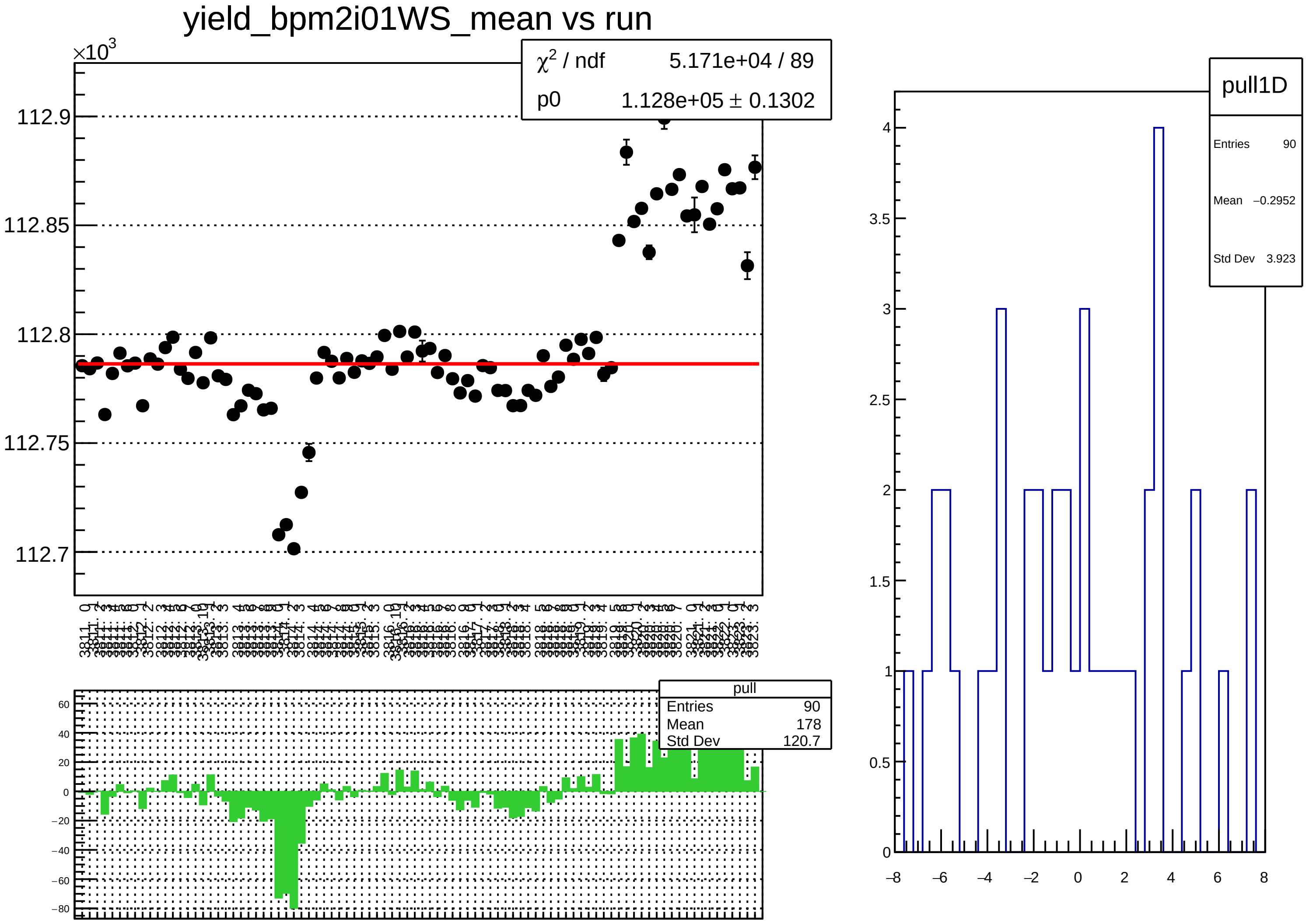
yield_cav4dQ_mean vs run
χ^2 / ndf 7.661e+04 / 89
p0 379 ± 7.402e−06
pull
Entries 90
Mean −811.3
Std Dev 863.8
pull1D
Entries 90
Mean 0.8609
Std Dev 4.43

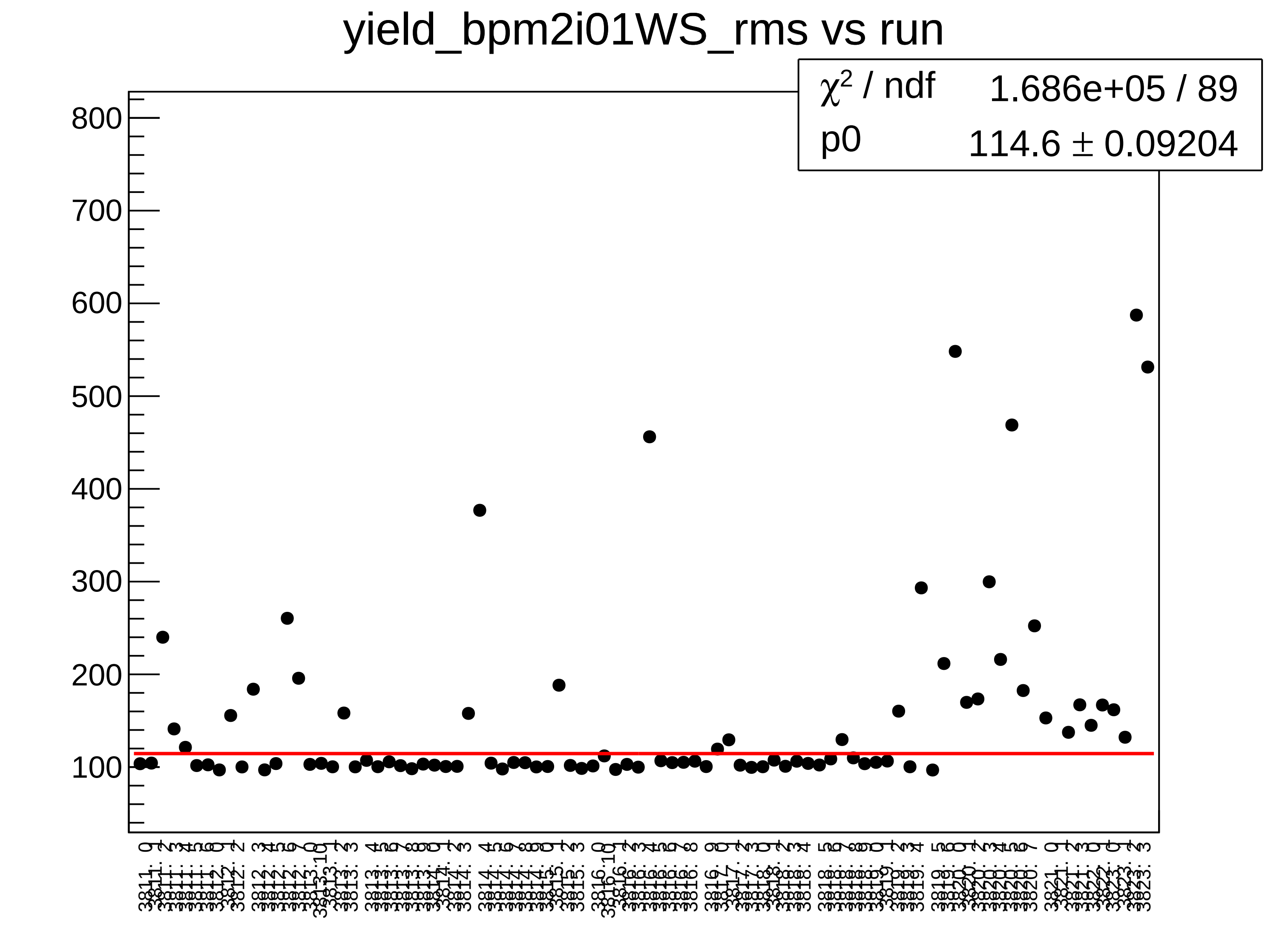

yield_cav4dQ_rms vs run
χ^2 / ndf 1113 / 89
p0 0.006858 ± 5.234e−06
0.0074
0.0072
0.007
0.0068
0.0066
0.0064

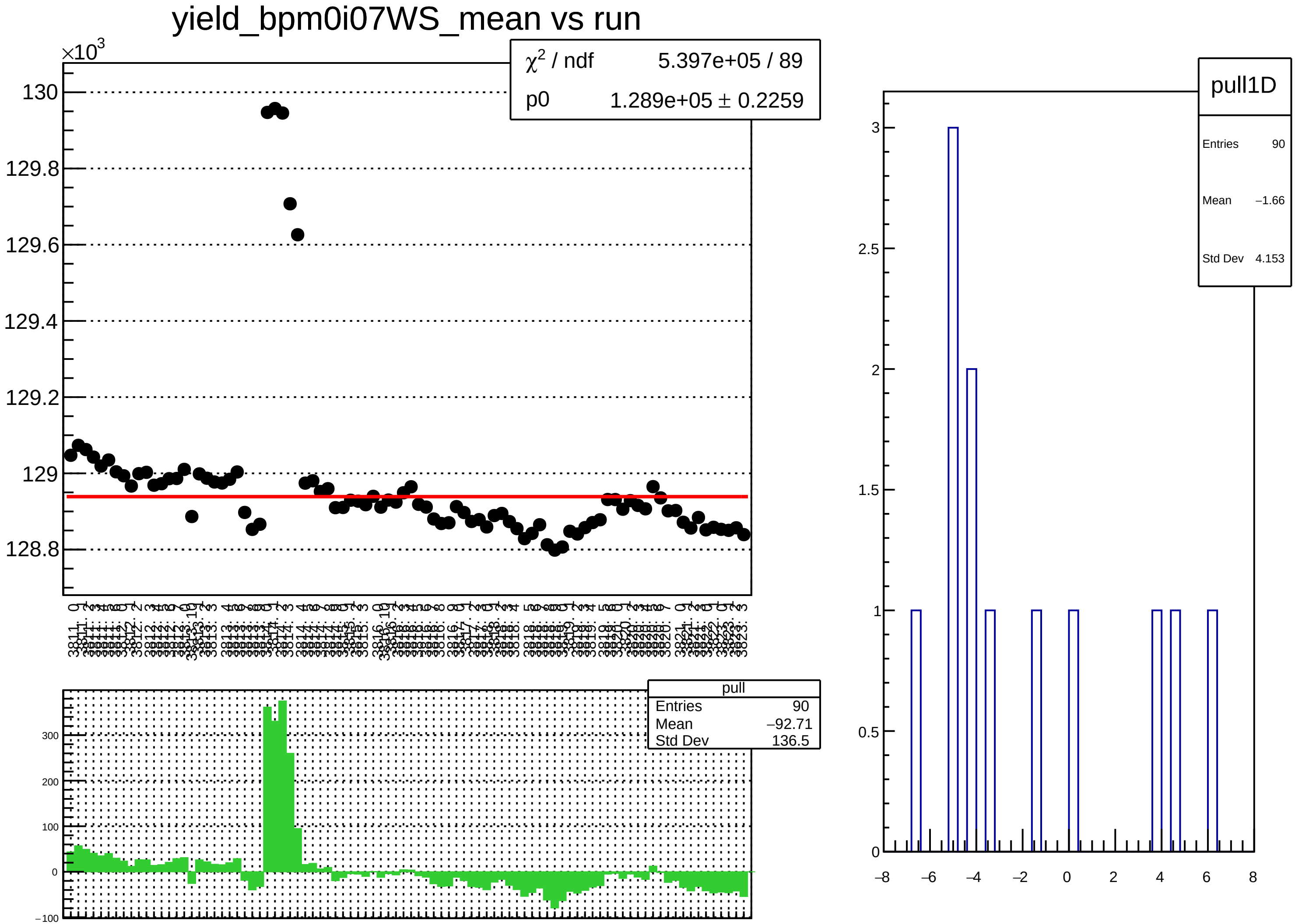

yield_bcm0l02_mean vs run
χ2 / ndf 2.511e+08 / 89
p0 89.98 ± 0.0003416
pull
Entries 90
Mean −398.2
Std Dev 432.8
pull1D
Entries 90
Mean −1.513
Std Dev 1.204



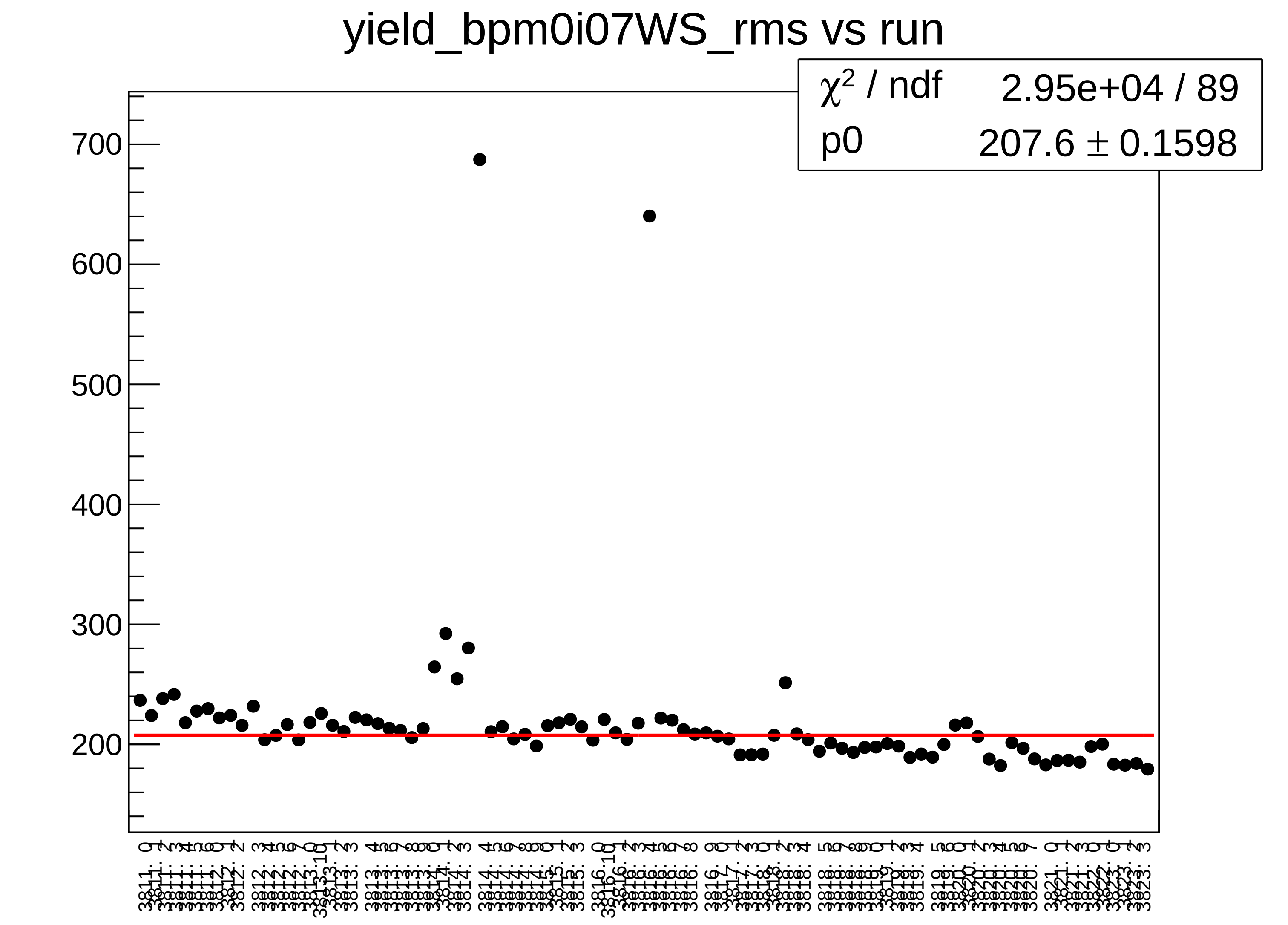
yield_bcm0l02_rms vs run
χ² / ndf 1.581e+05 / 89
p0 0.3017 ± 0.0002416
10
8
6
4
2


yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 5.171e+04 / 89
p0 1.128e+05 ± 0.1302
112.9
112.85
112.8
112.75
112.7
pull
Entries 90
Mean 178
Std Dev 120.7
pull1D
Entries 90
Mean −0.2952
Std Dev 3.923

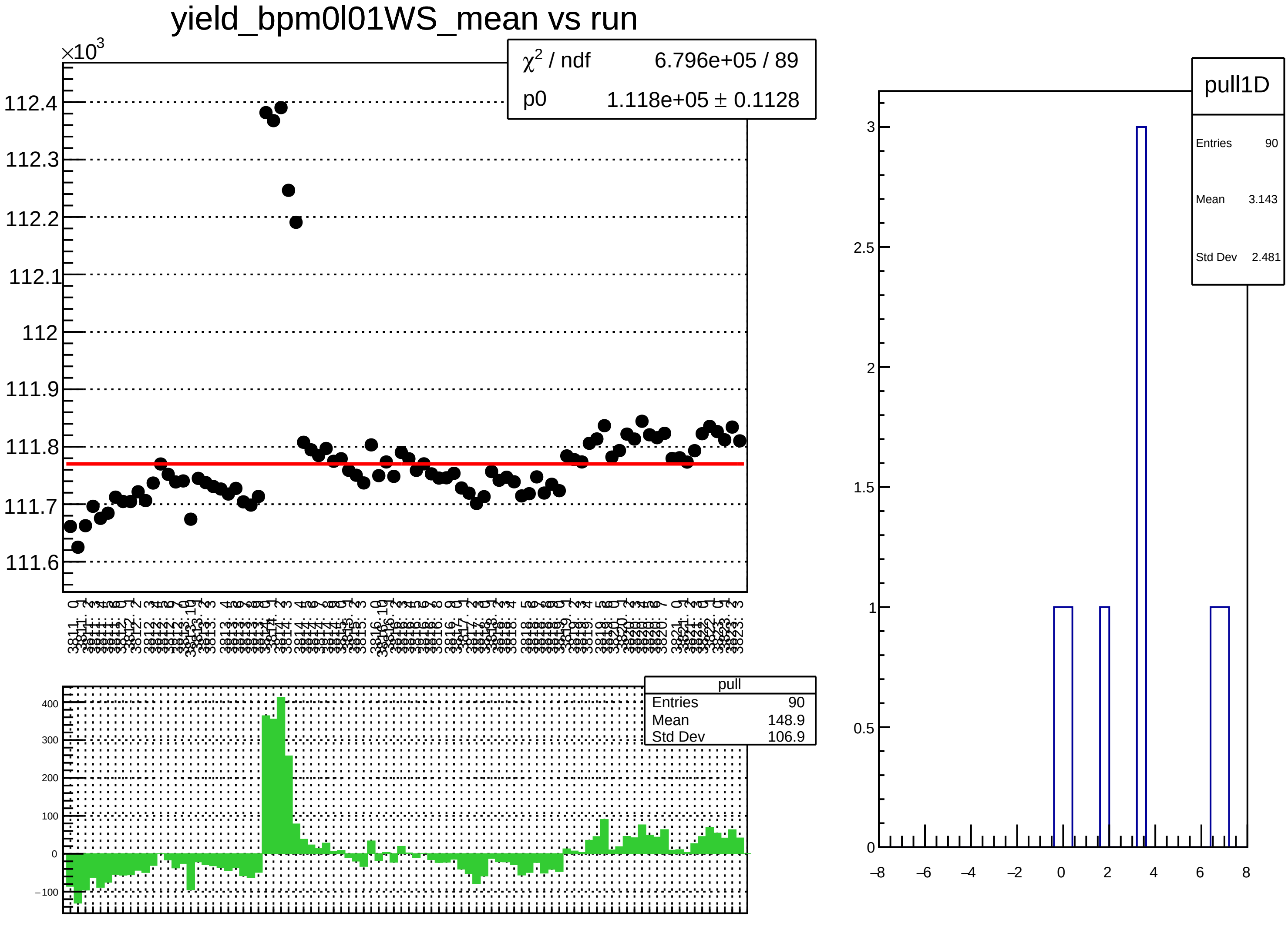

yield_bpm2i01WS_rms vs run
χ2 / ndf 1.686e+05 / 89
p0 114.6 ± 0.09204
800
700
600
500
400
300
200
100

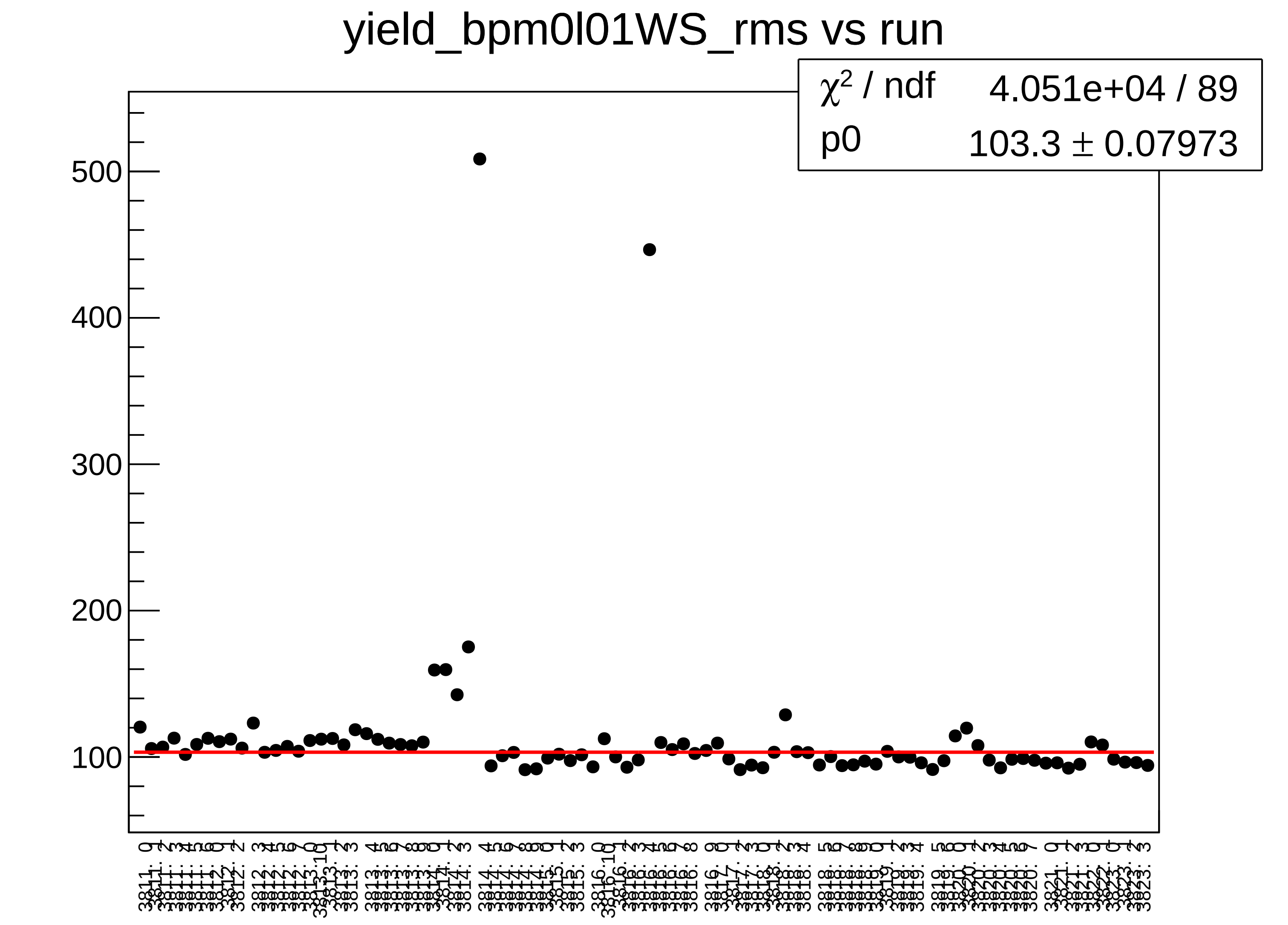


yield_bpm0i07WS_mean vs run
$\times10^3$
χ^2 / ndf 5.397e+05 / 89
p0 1.289e+05 ± 0.2259
130
129.8
129.6
129.4
129.2
129
128.8
pull
Entries 90
Mean −92.71
Std Dev 136.5
300
200
100
0
−100
pull1D
Entries 90
Mean −1.66
Std Dev 4.153
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

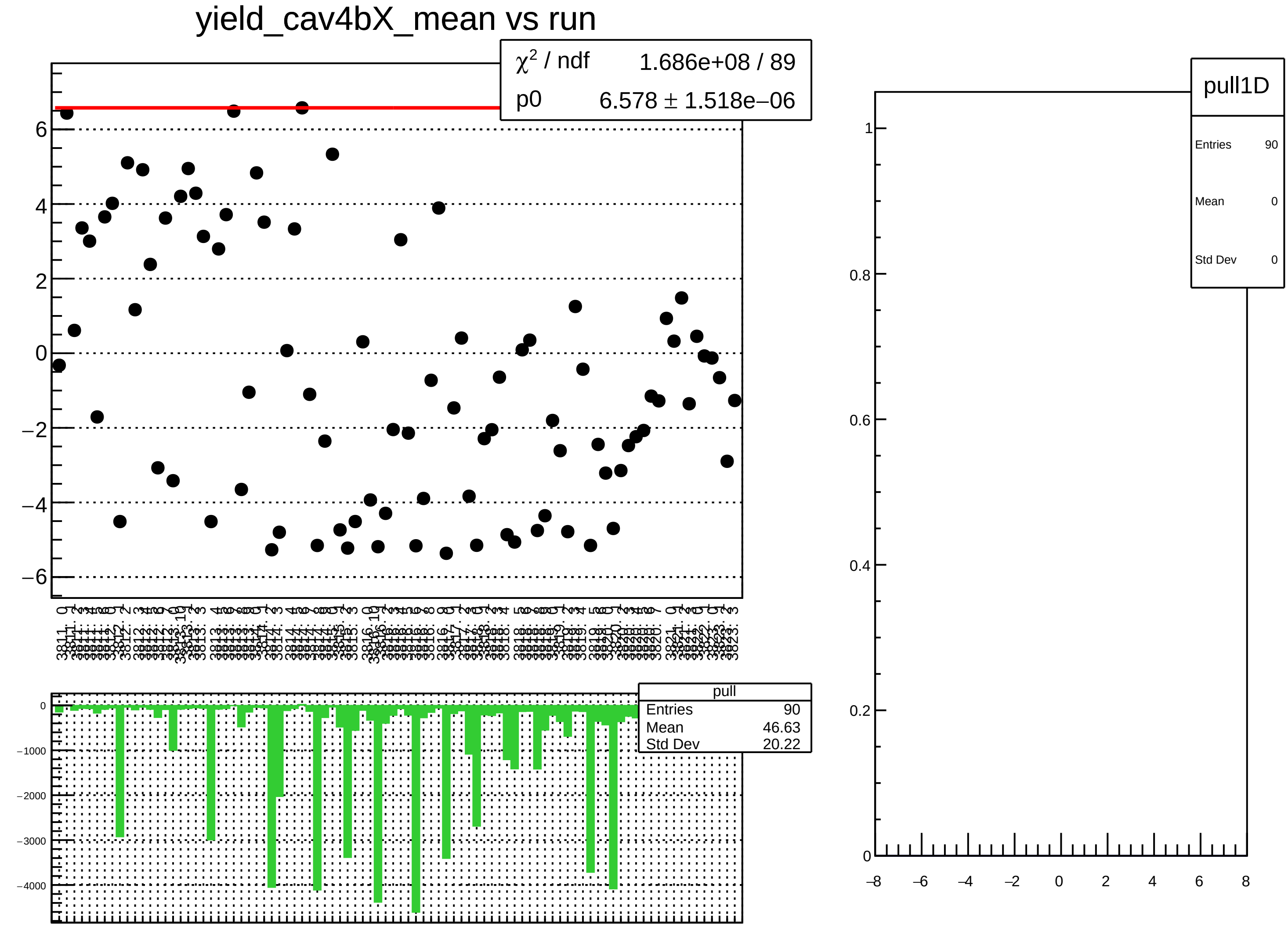


yield_bpm0i07WS_rms vs run
χ^2 / ndf 2.95e+04 / 89
p0 207.6 ± 0.1598
700
600
500
400
300
200

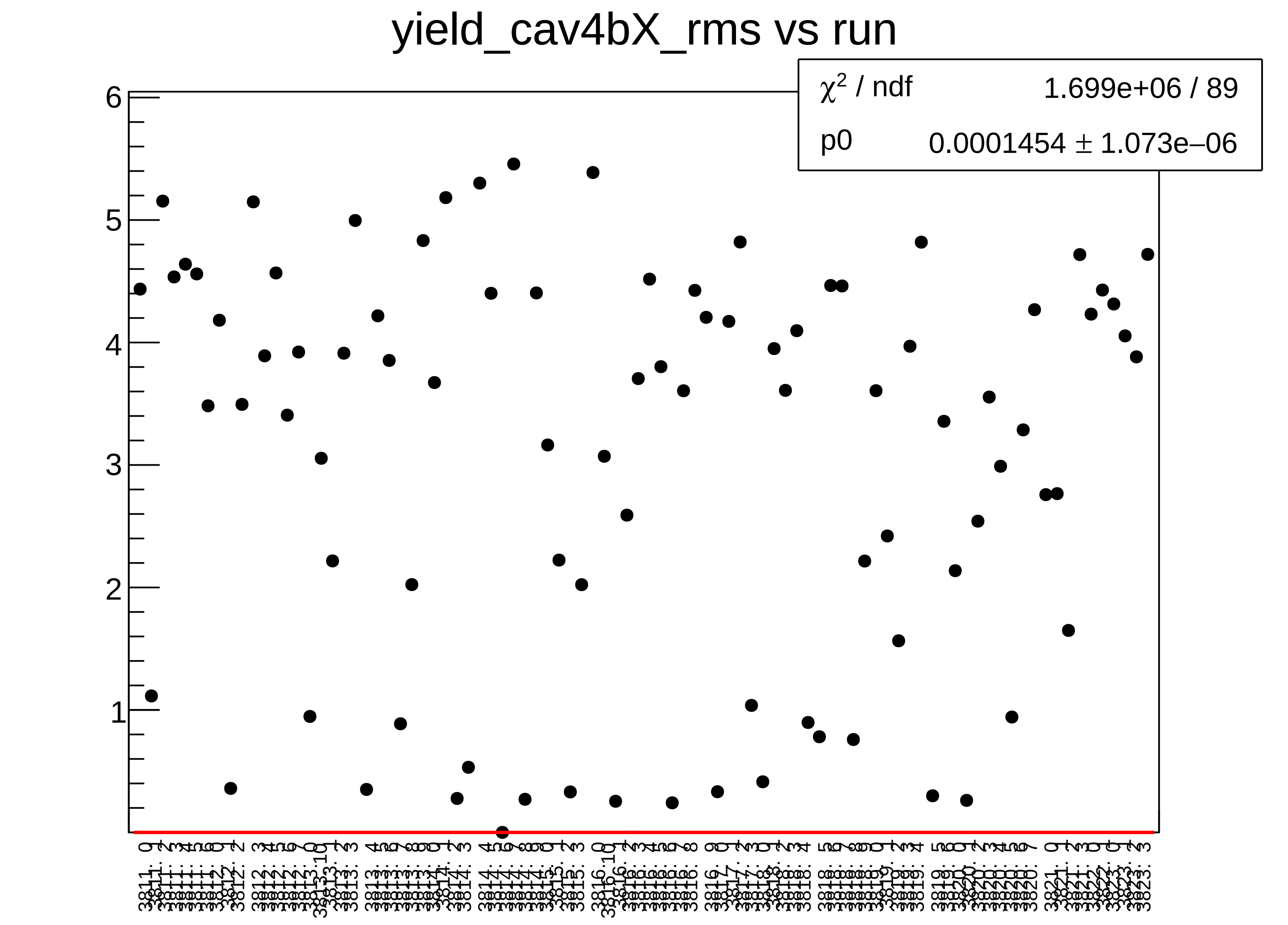

yield_bpm0l01WS_mean vs run
×10^3
χ^2 / ndf 6.796e+05 / 89
p0 1.118e+05 ± 0.1128
112.4
112.3
112.2
112.1
112
111.9
111.8
111.7
111.6
pull
Entries 90
Mean 148.9
Std Dev 106.9
400
300
200
100
0
−100
pull1D
Entries 90
Mean 3.143
Std Dev 2.481
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

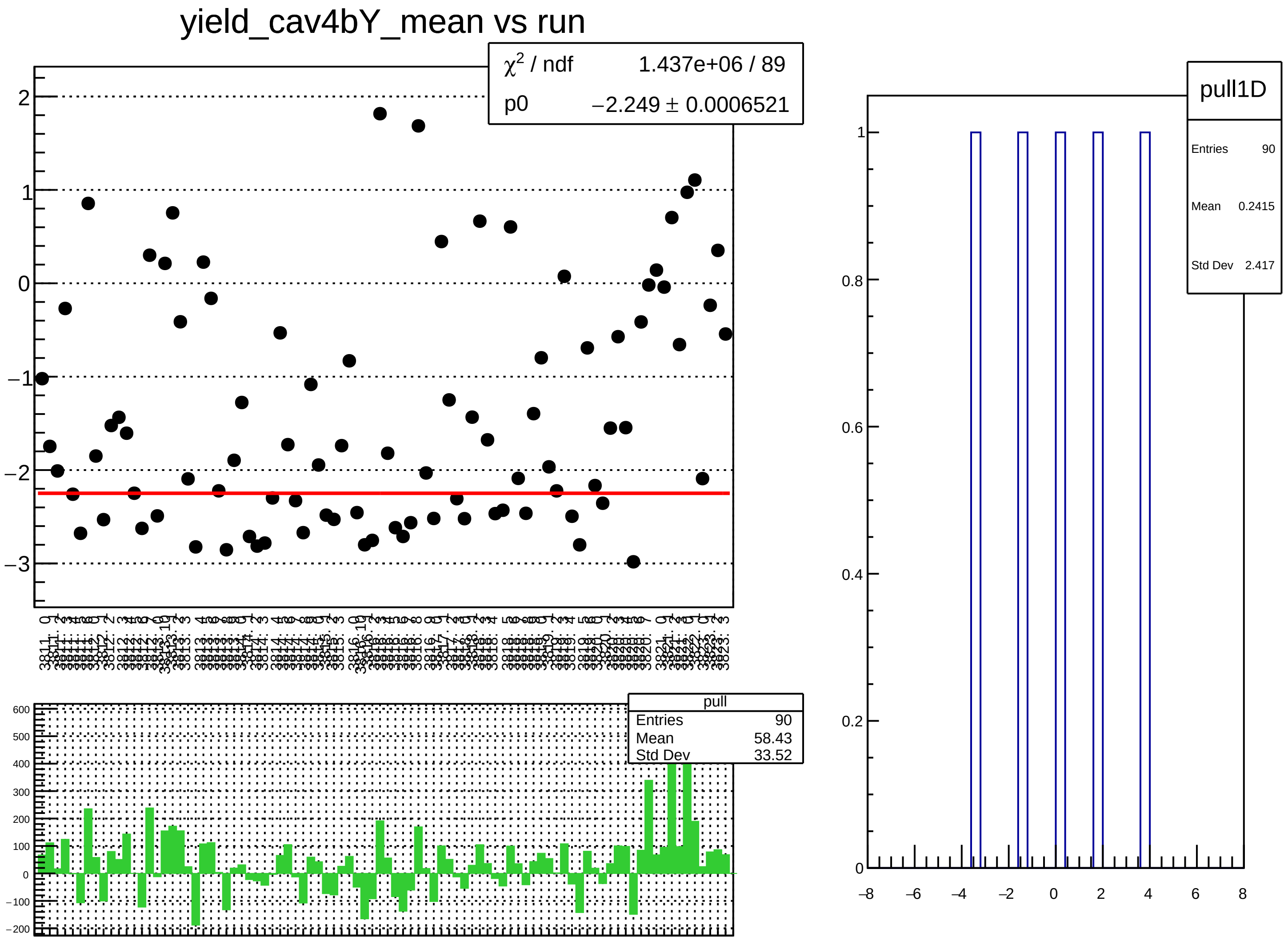


yield_bpm0l01WS_rms vs run
χ^2 / ndf 4.051e+04 / 89
p0 103.3 ± 0.07973
500
400
300
200
100

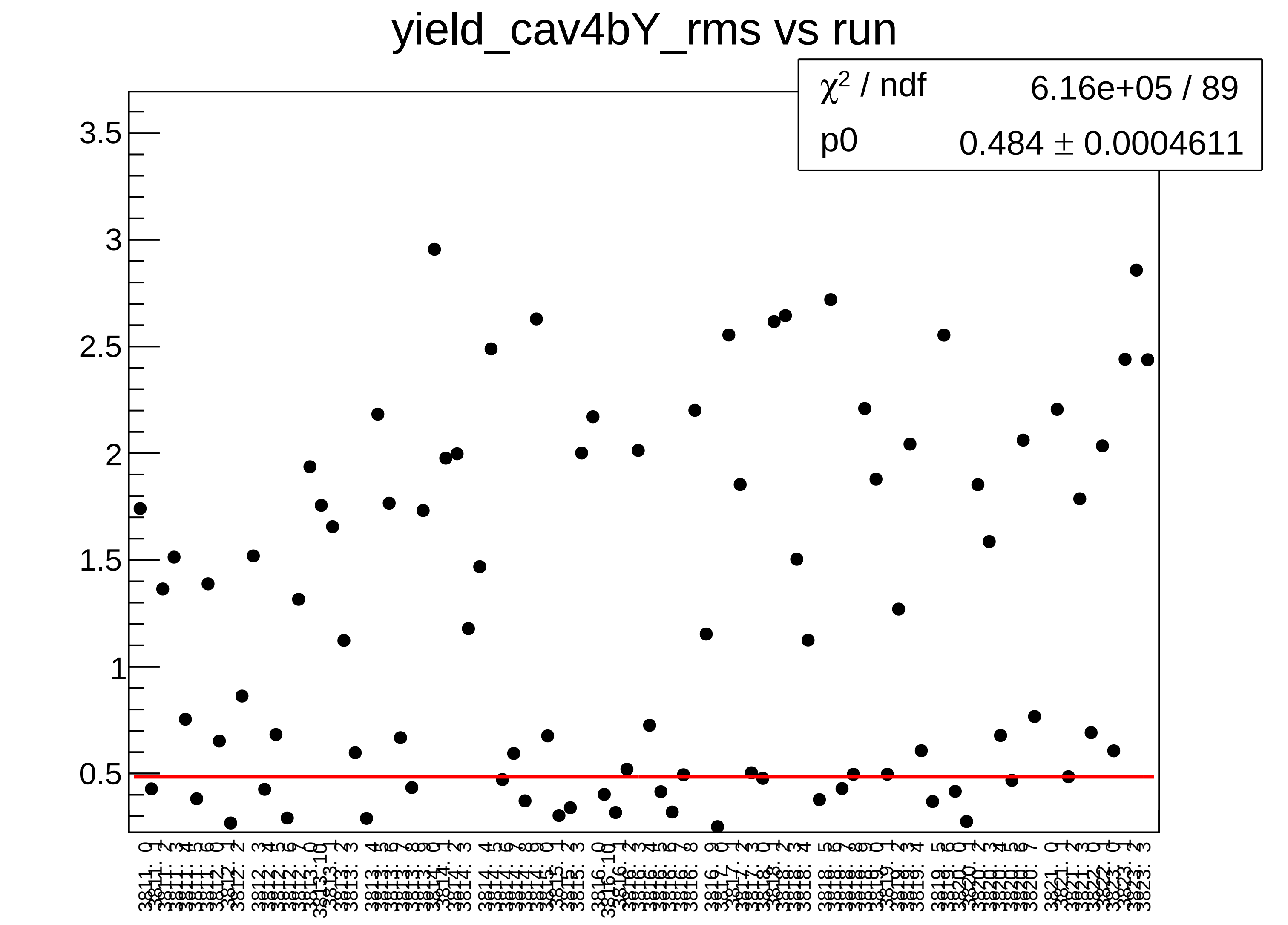


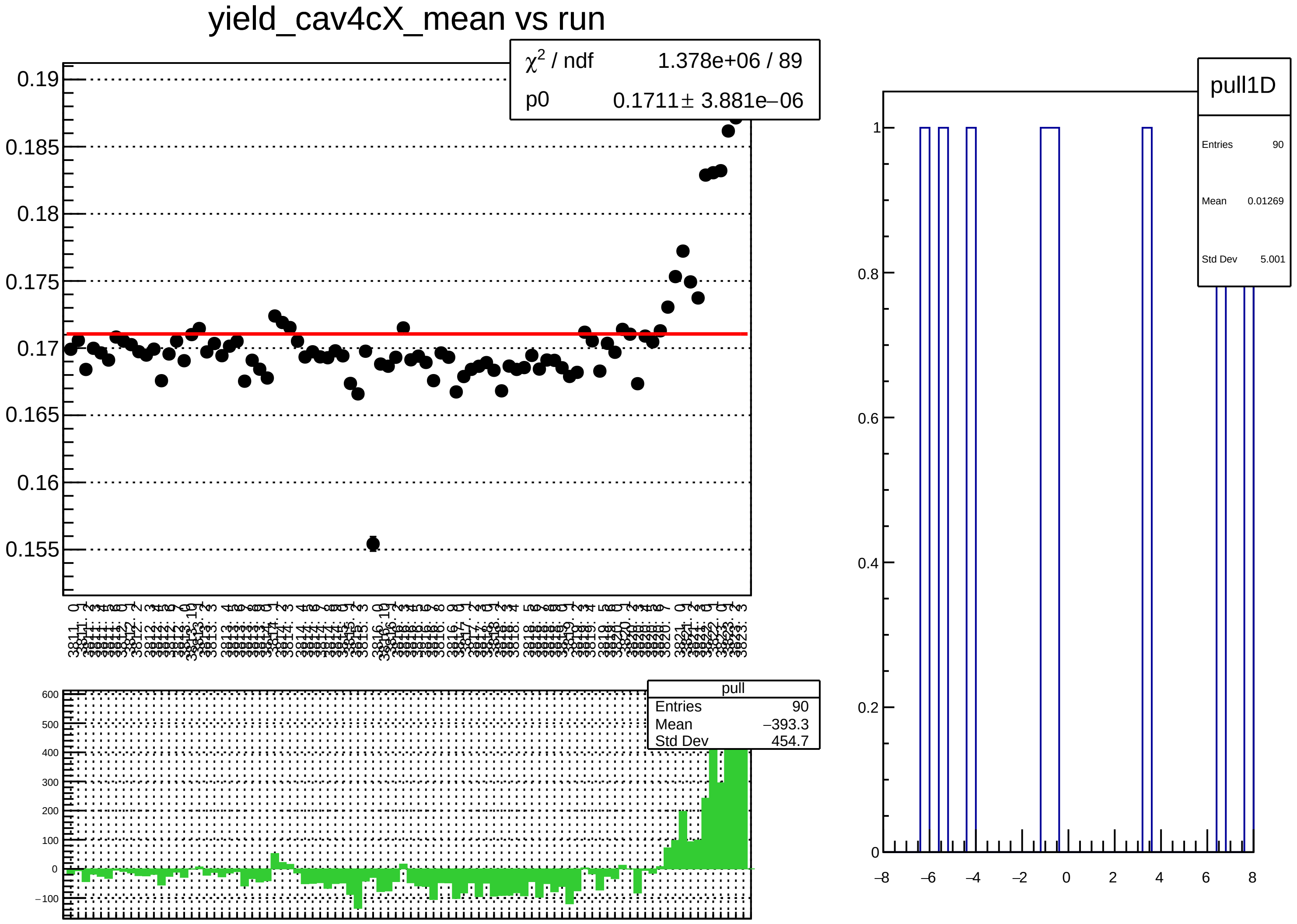
yield_cav4bX_mean vs run
χ^2 / ndf 1.686e+08 / 89
p0 6.578 ± 1.518e−06
pull
Entries 90
Mean 46.63
Std Dev 20.22
pull1D
Entries 90
Mean 0
Std Dev 0

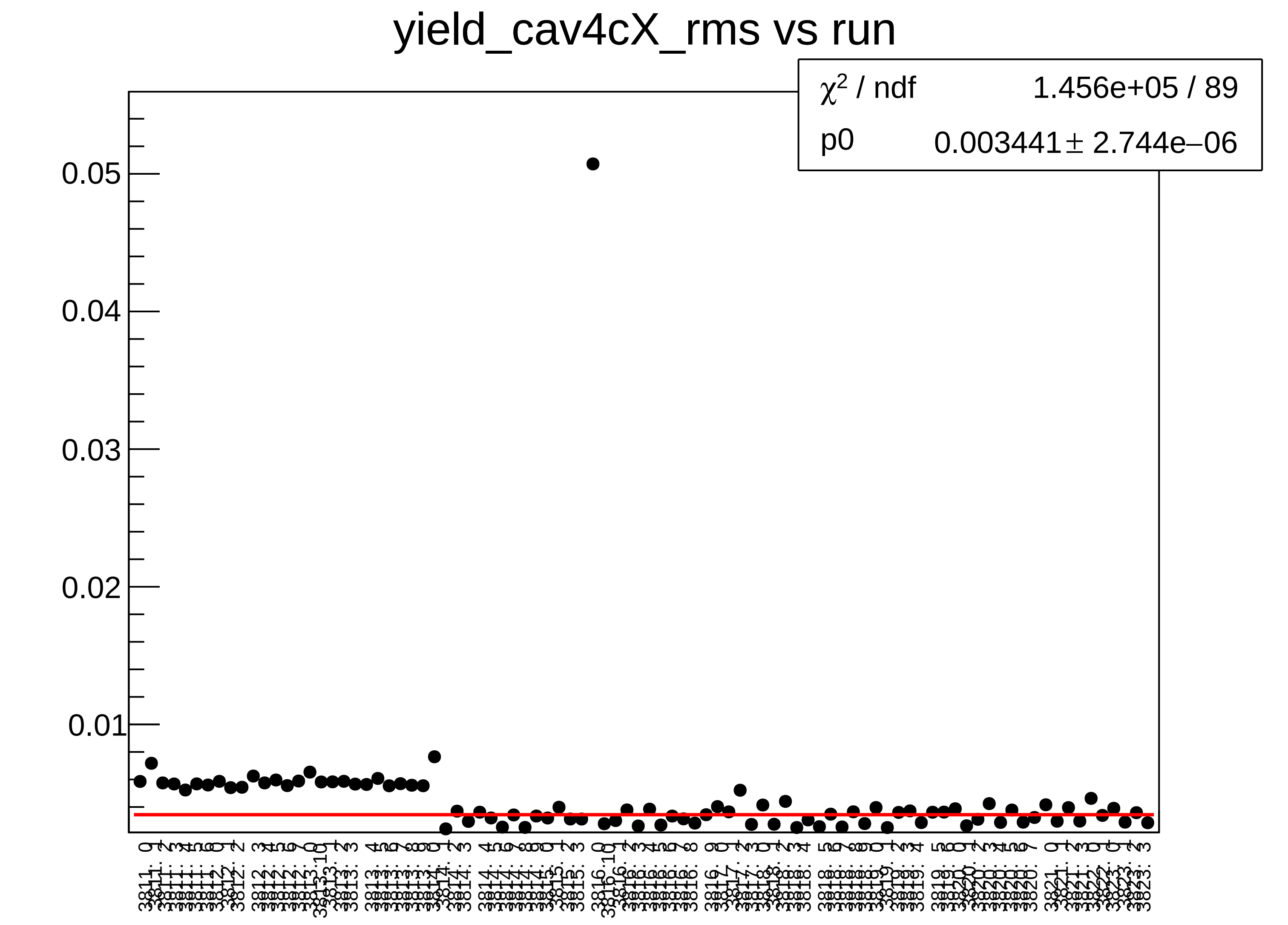

yield_cav4bX_rms vs run
χ^2 / ndf 1.699e+06 / 89
p0 0.0001454 ± 1.073e−06
6
5
4
3
2
1



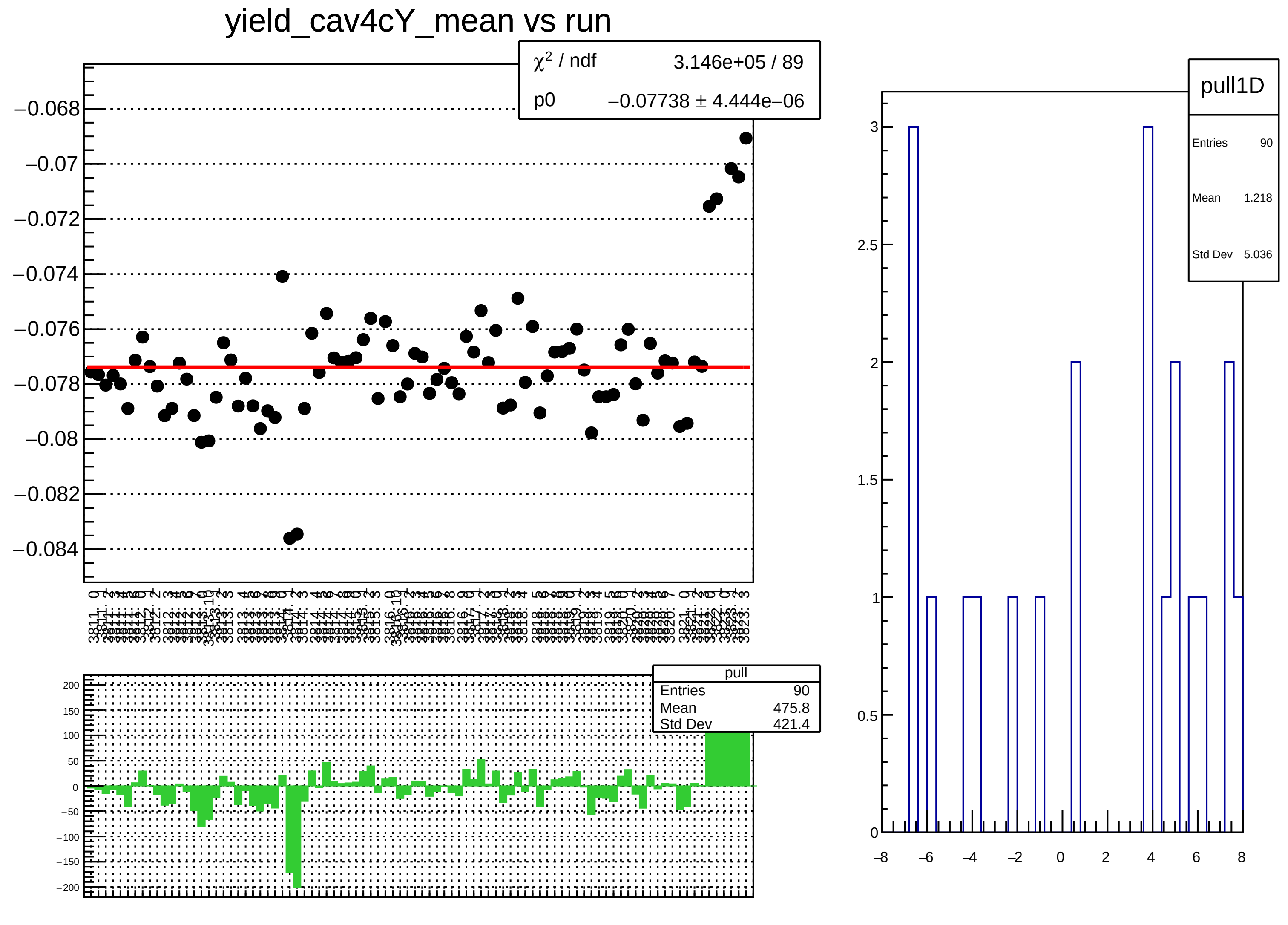
yield_cav4bY_mean vs run
χ^2 / ndf 1.437e+06 / 89
p0 −2.249 ± 0.0006521
pull
Entries 90
Mean 58.43
Std Dev 33.52
pull1D
Entries 90
Mean 0.2415
Std Dev 2.417

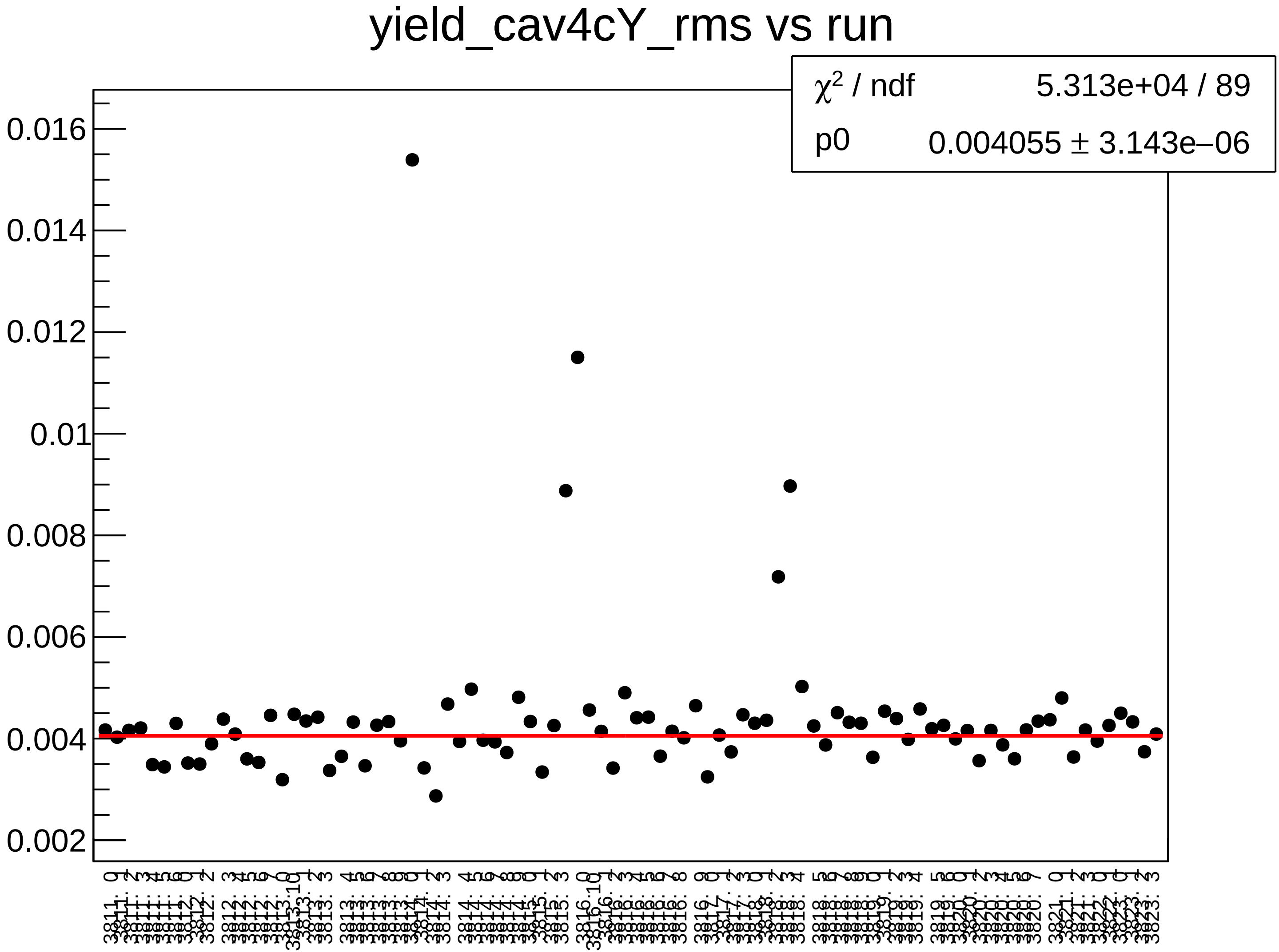

yield_cav4bY_rms vs run
χ2 / ndf 6.16e+05 / 89
p0 0.484 ± 0.0004611
3.5
3
2.5
2
1.5
1
0.5


yield_cav4cX_mean vs run
χ2 / ndf 1.378e+06 / 89
p0 0.1711 ± 3.881e−06
pull
Entries 90
Mean −393.3
Std Dev 454.7
pull1D
Entries 90
Mean 0.01269
Std Dev 5.001

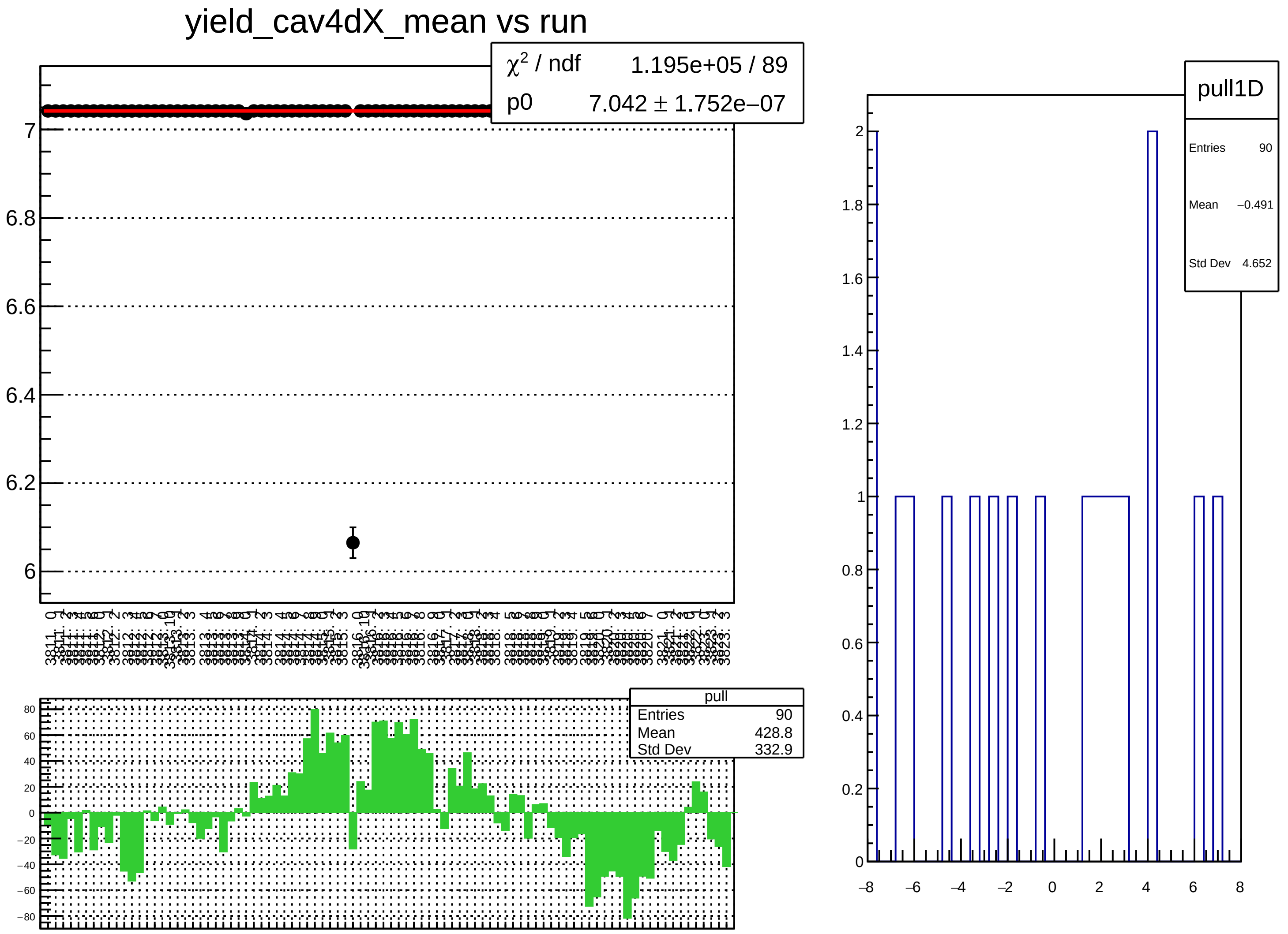


yield_cav4cX_rms vs run
χ^2 / ndf 1.456e+05 / 89
p0 0.003441 ± 2.744e−06
0.05
0.04
0.03
0.02
0.01

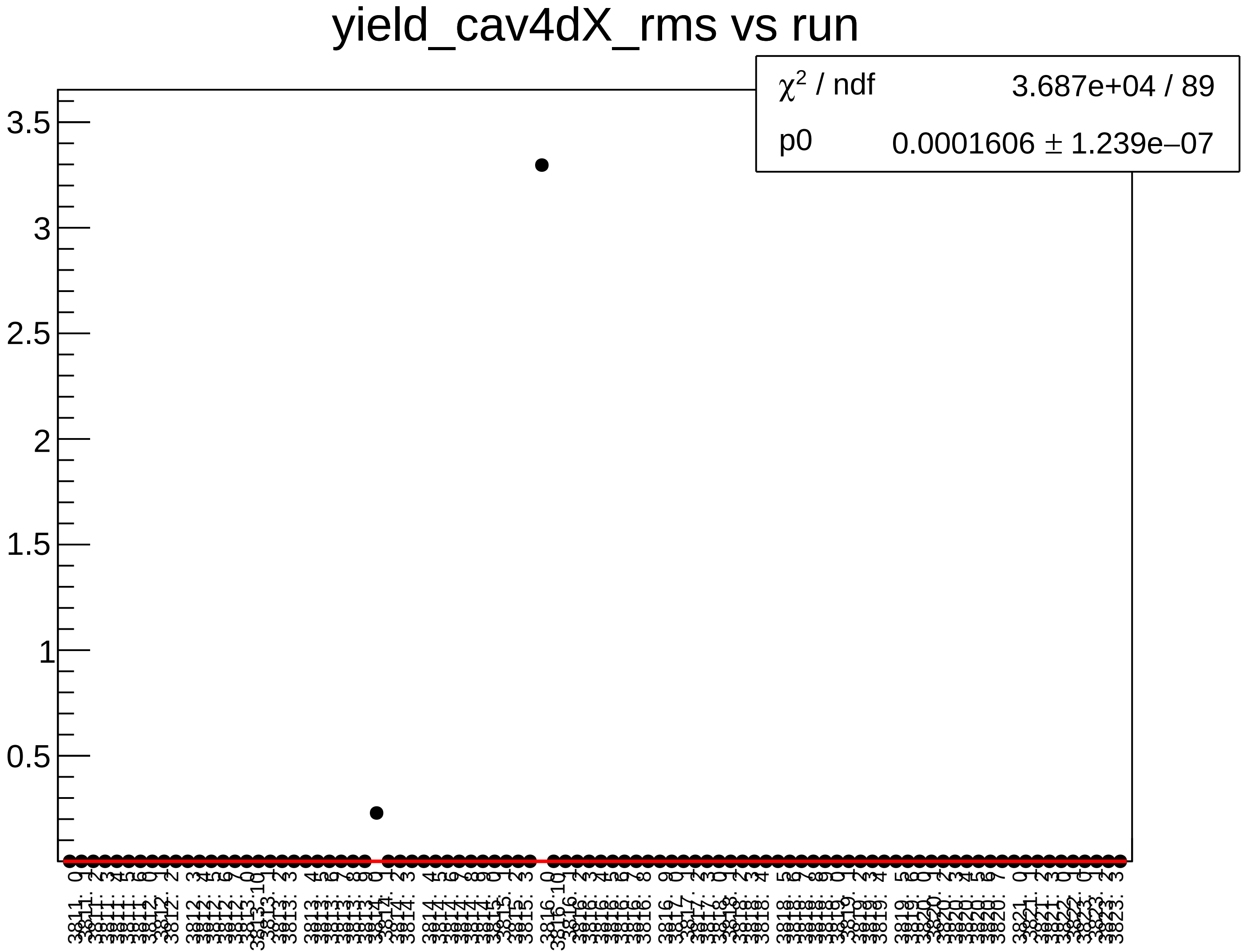

yield_cav4cY_mean vs run
χ2 / ndf 3.146e+05 / 89
p0 −0.07738 ± 4.444e−06
−0.068
−0.07
−0.072
−0.074
−0.076
−0.078
−0.08
−0.082
−0.084
pull
Entries 90
Mean 475.8
Std Dev 421.4
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 90
Mean 1.218
Std Dev 5.036
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8



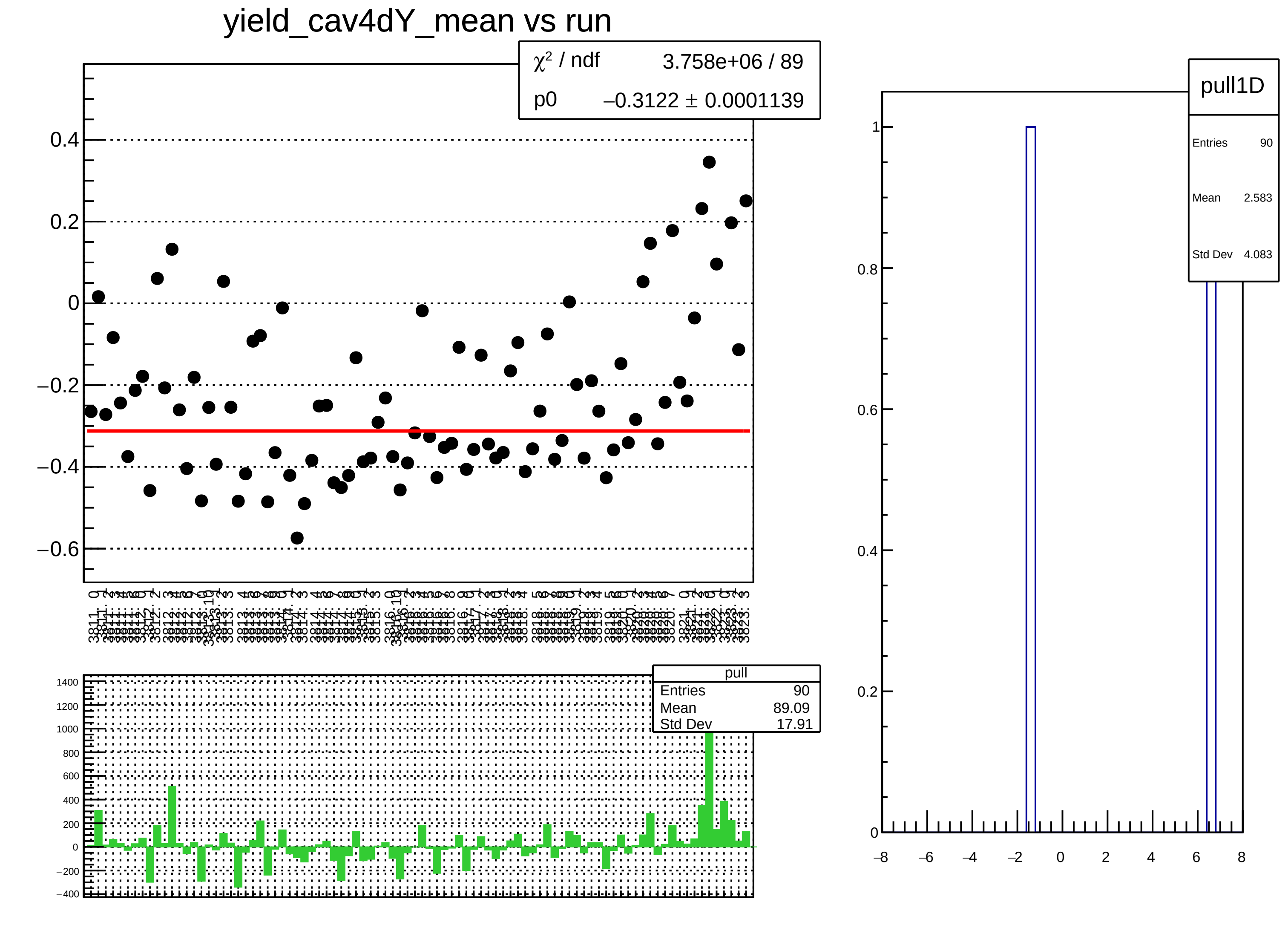
yield_cav4cY_rms vs run
χ2 / ndf 5.313e+04 / 89
p0 0.004055 ± 3.143e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

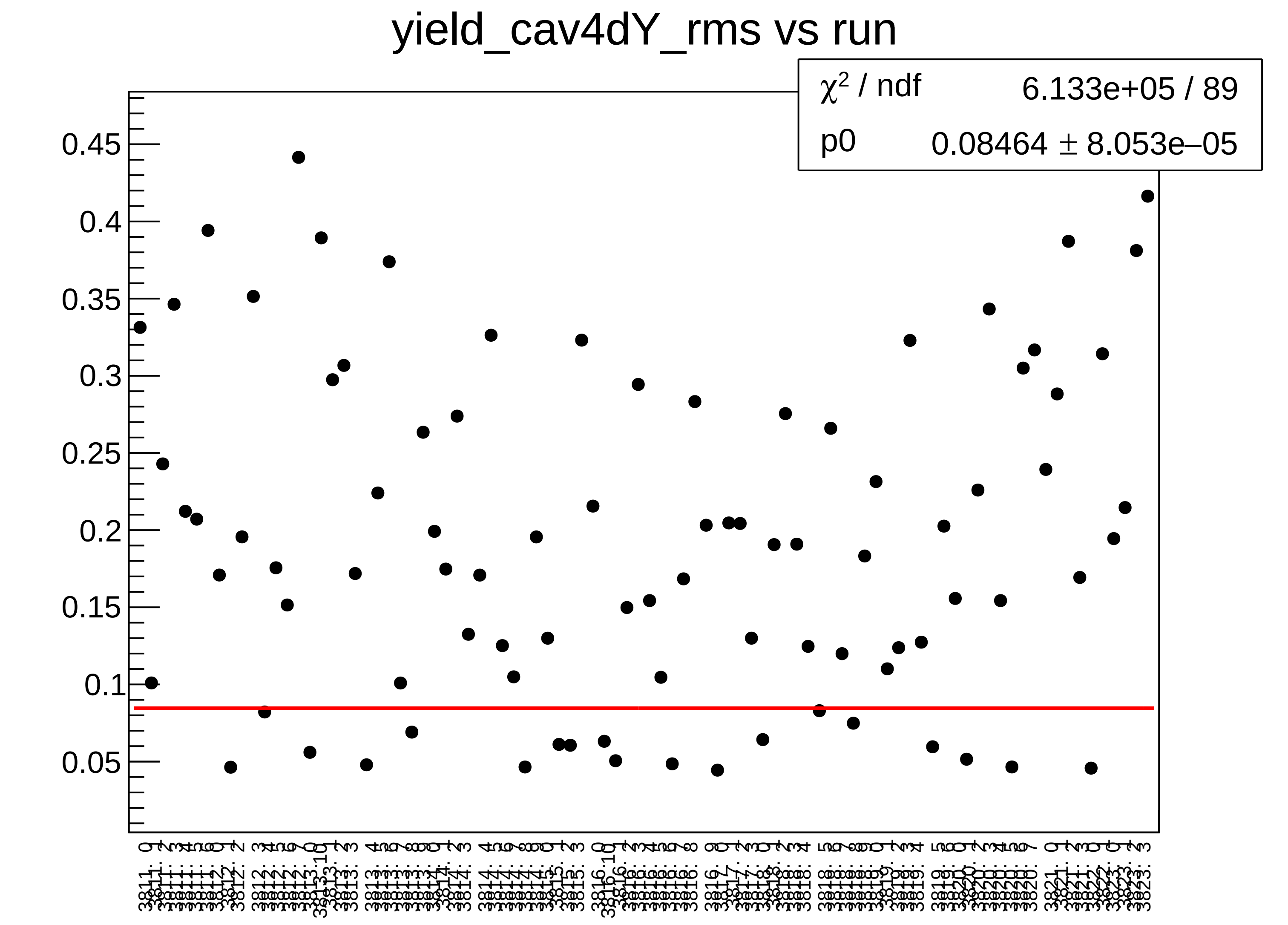


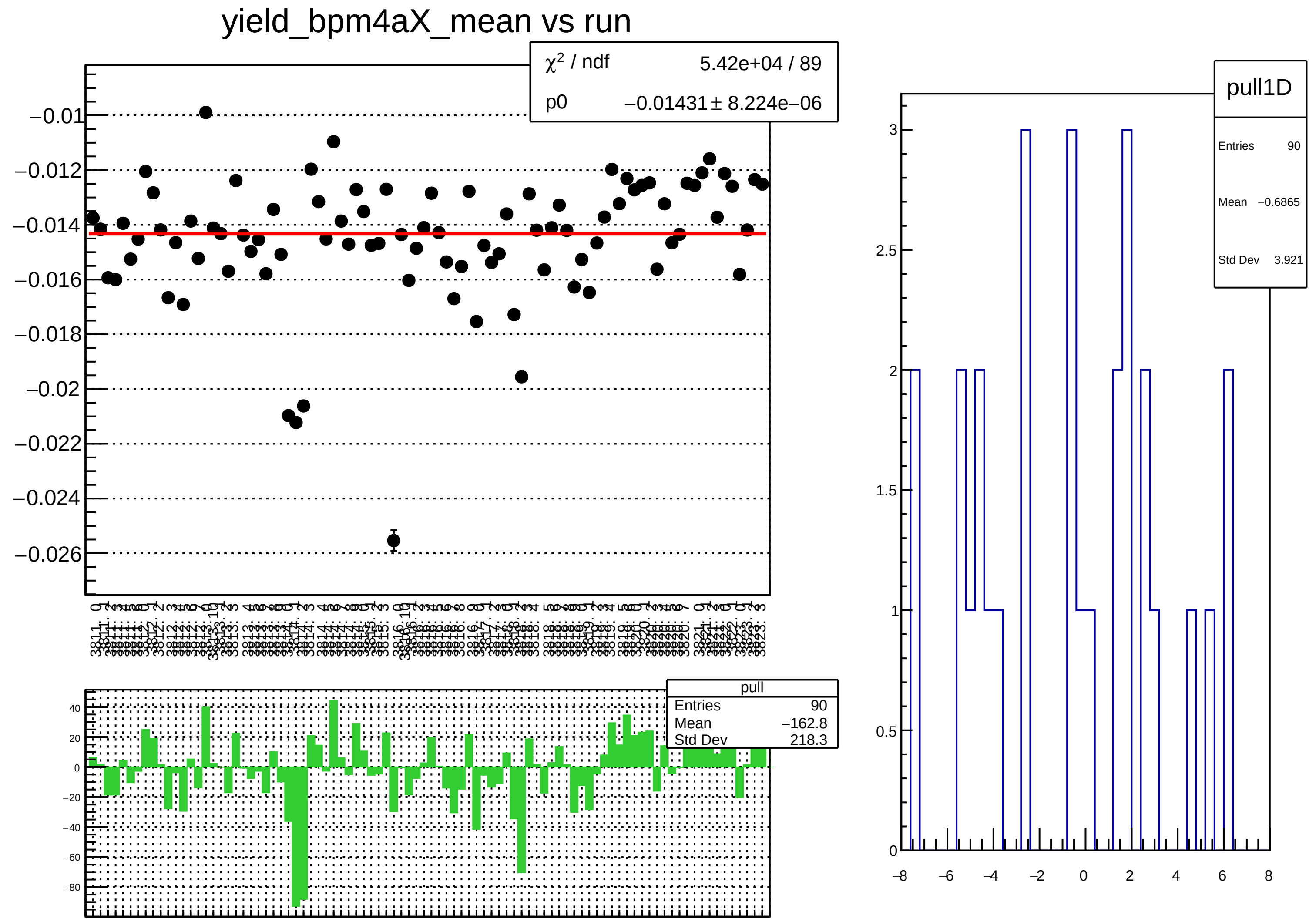
yield_cav4dX_mean vs run
χ2 / ndf 1.195e+05 / 89
p0 7.042 ± 1.752e−07
pull
Entries 90
Mean 428.8
Std Dev 332.9
pull1D
Entries 90
Mean −0.491
Std Dev 4.652



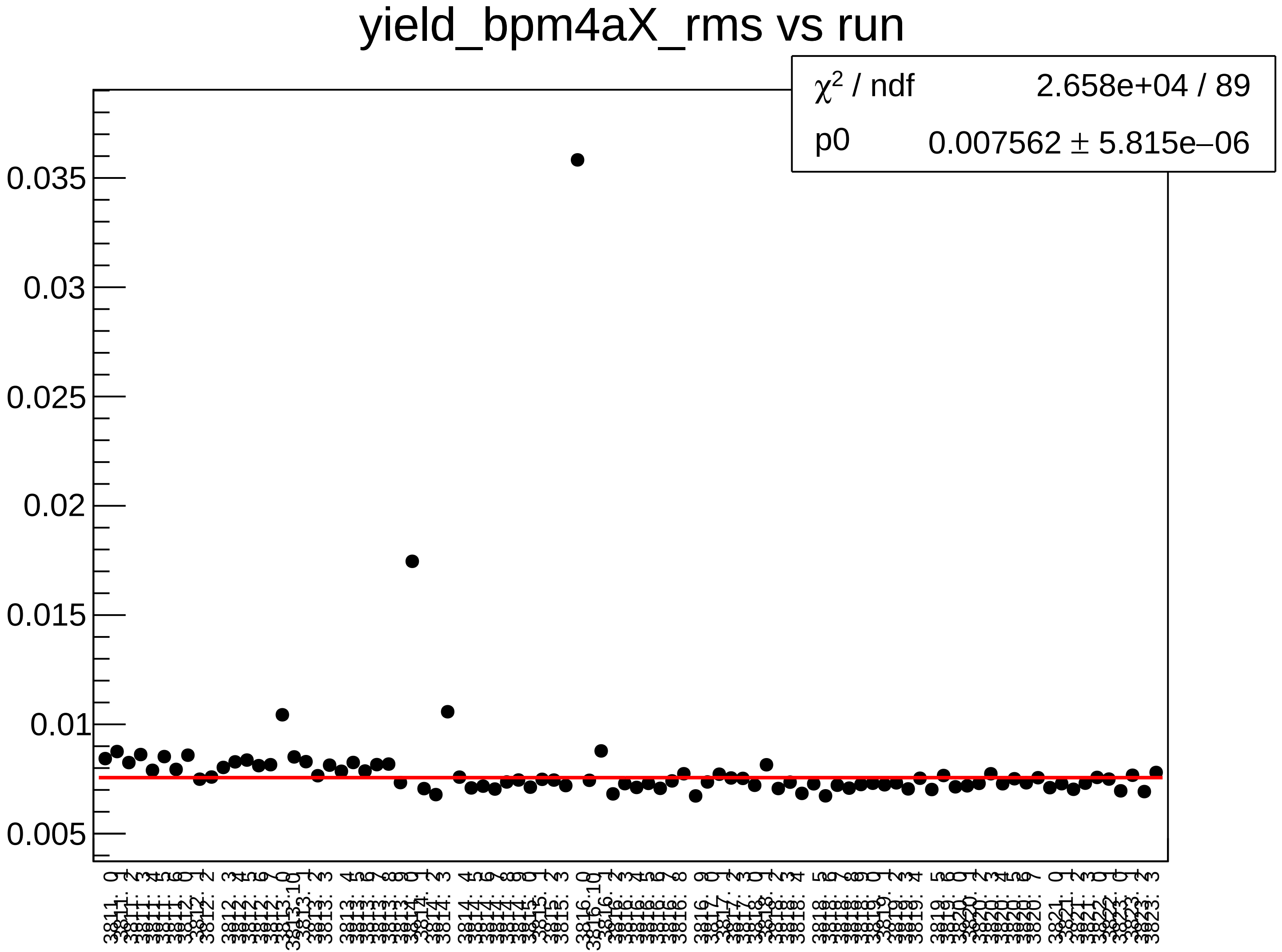
yield_cav4dX_rms vs run
χ^2 / ndf 3.687e+04 / 89
p0 0.0001606 ± 1.239e−07
3.5
3
2.5
2
1.5
1
0.5


yield_cav4dY_mean vs run
χ2 / ndf 3.758e+06 / 89
p0 −0.3122 ± 0.0001139
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 90
Mean 89.09
Std Dev 17.91
1400
1200
1000
800
600
400
200
0
−200
−400
pull1D
Entries 90
Mean 2.583
Std Dev 4.083
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8

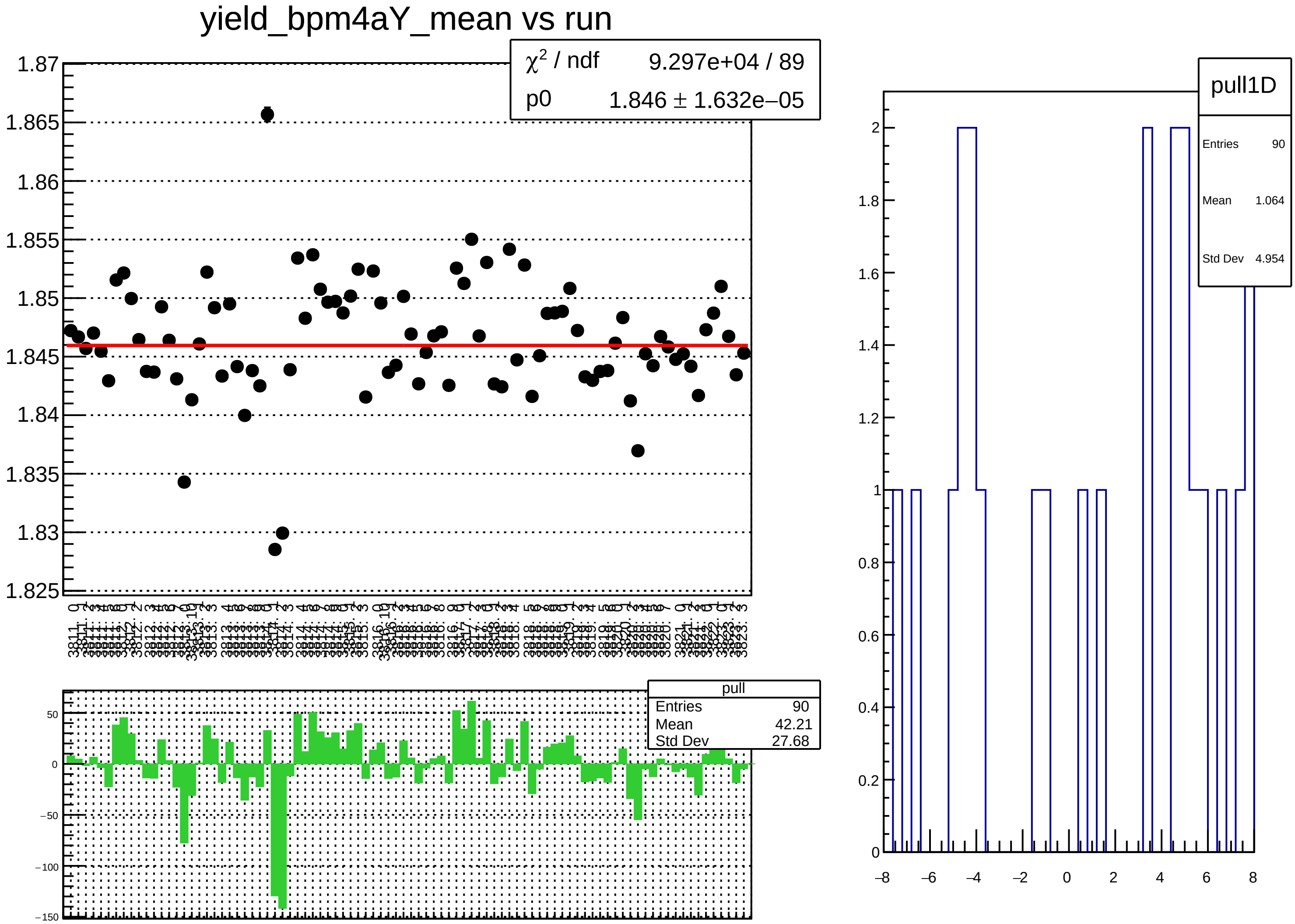

yield_cav4dY_rms vs run
χ2 / ndf 6.133e+05 / 89
p0 0.08464 ± 8.053e−05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

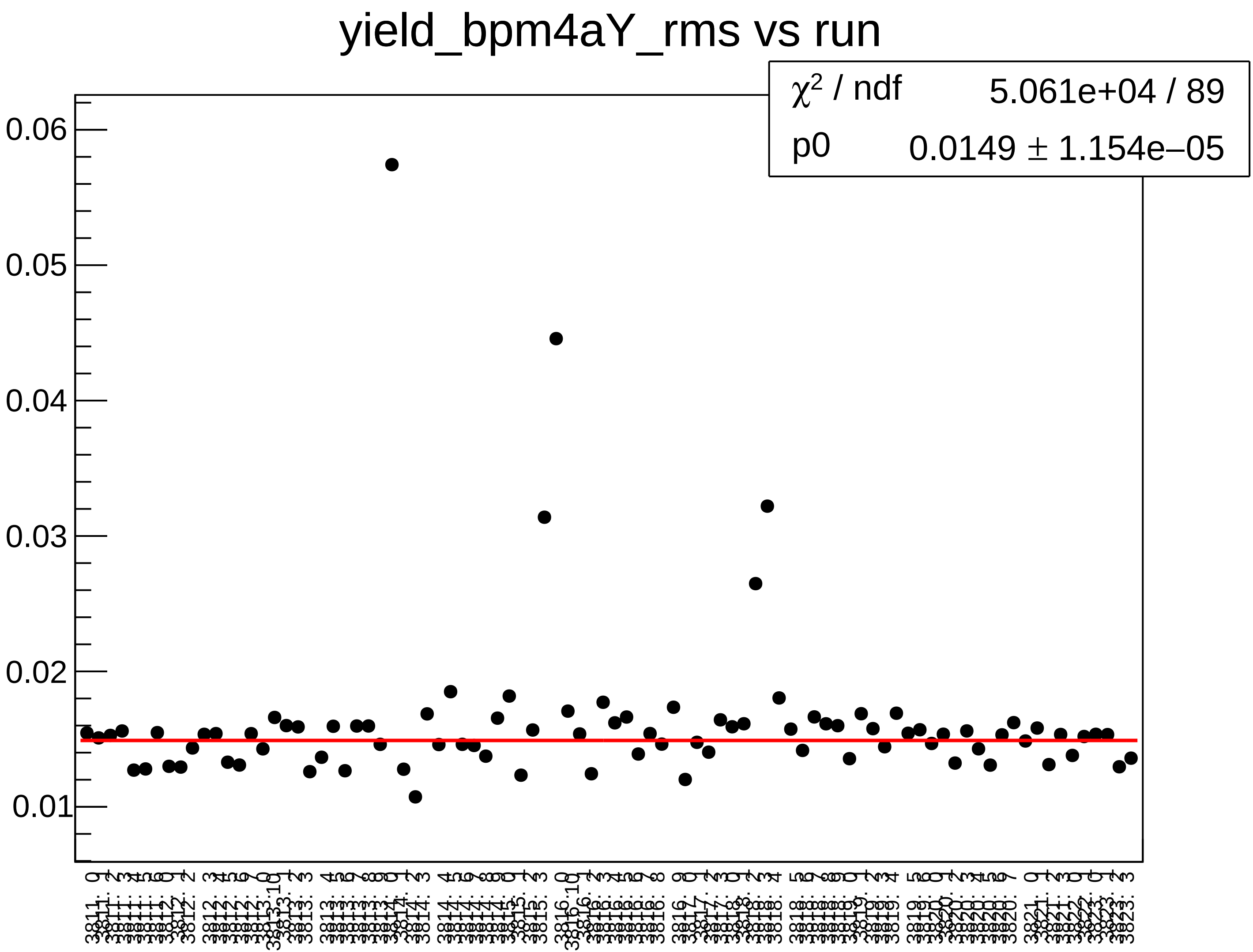


yield_bpm4aX_mean vs run
χ2 / ndf 5.42e+04 / 89
p0 −0.01431 ± 8.224e−06
pull
Entries 90
Mean −162.8
Std Dev 218.3
pull1D
Entries 90
Mean −0.6865
Std Dev 3.921

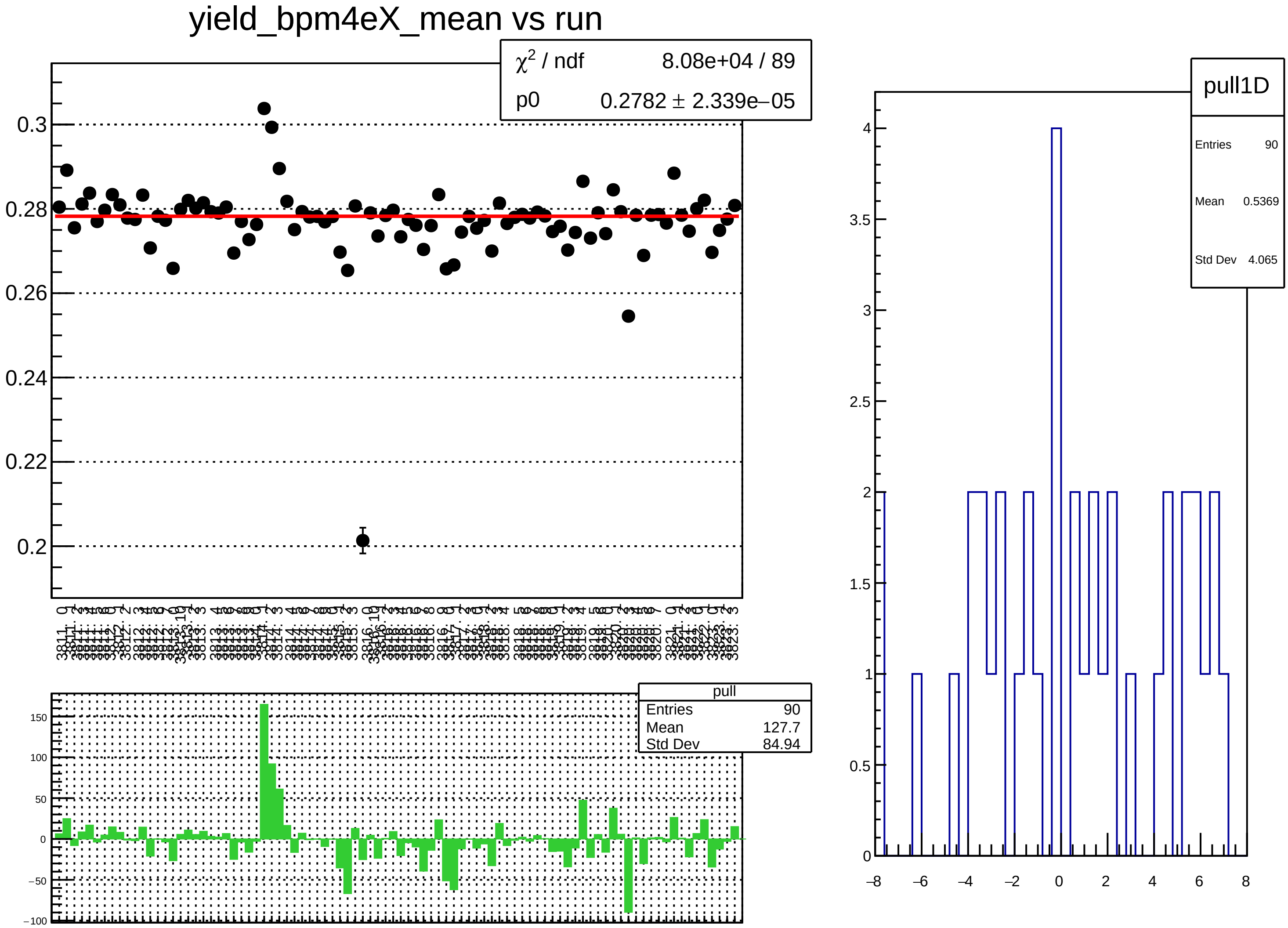


yield_bpm4aX_rms vs run
χ^2 / ndf 2.658e+04 / 89
p0 0.007562 ± 5.815e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

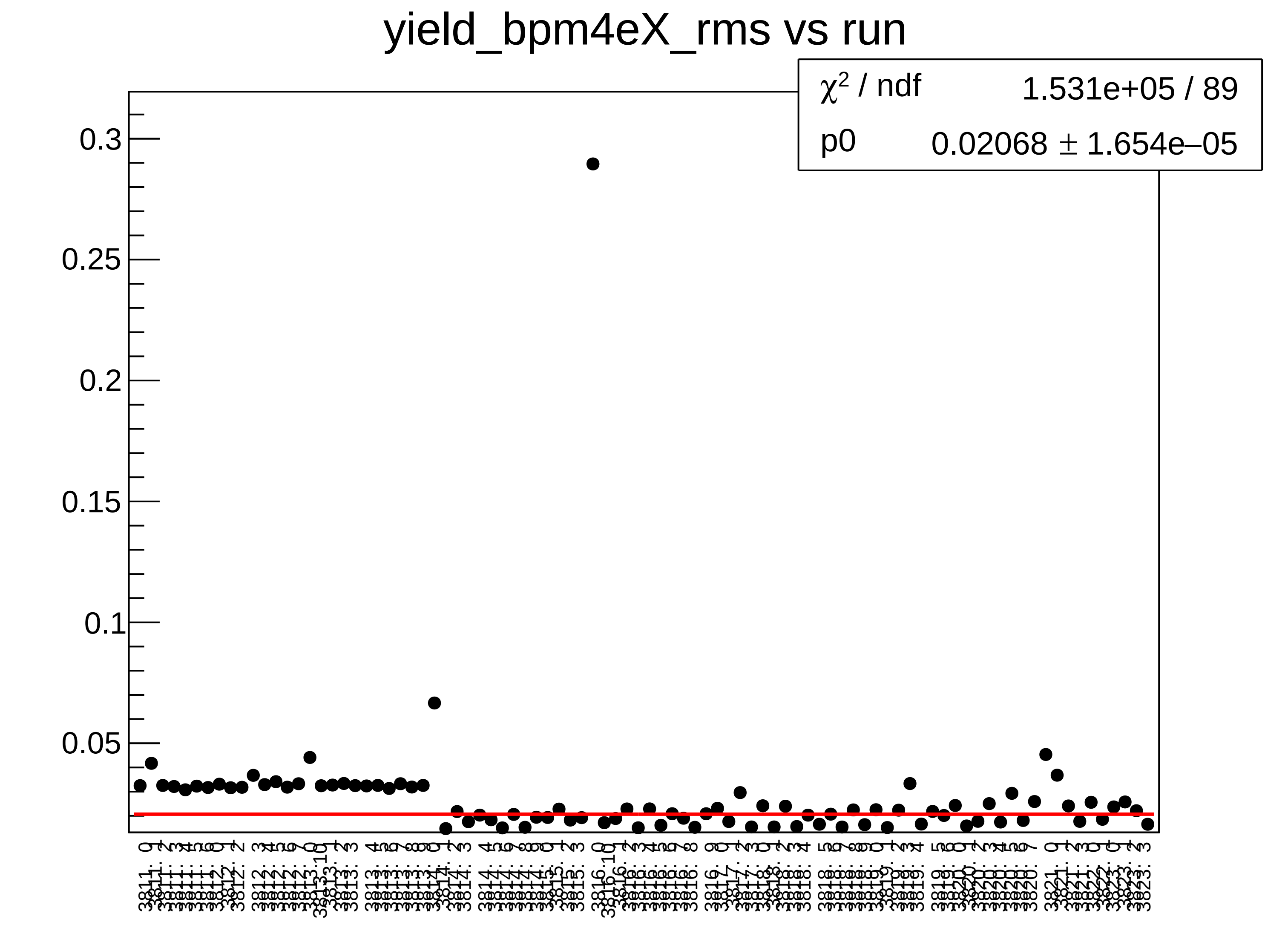

yield_bpm4aY_mean vs run
χ2 / ndf 9.297e+04 / 89
p0 1.846 ± 1.632e−05
pull
Entries 90
Mean 42.21
Std Dev 27.68
pull1D
Entries 90
Mean 1.064
Std Dev 4.954



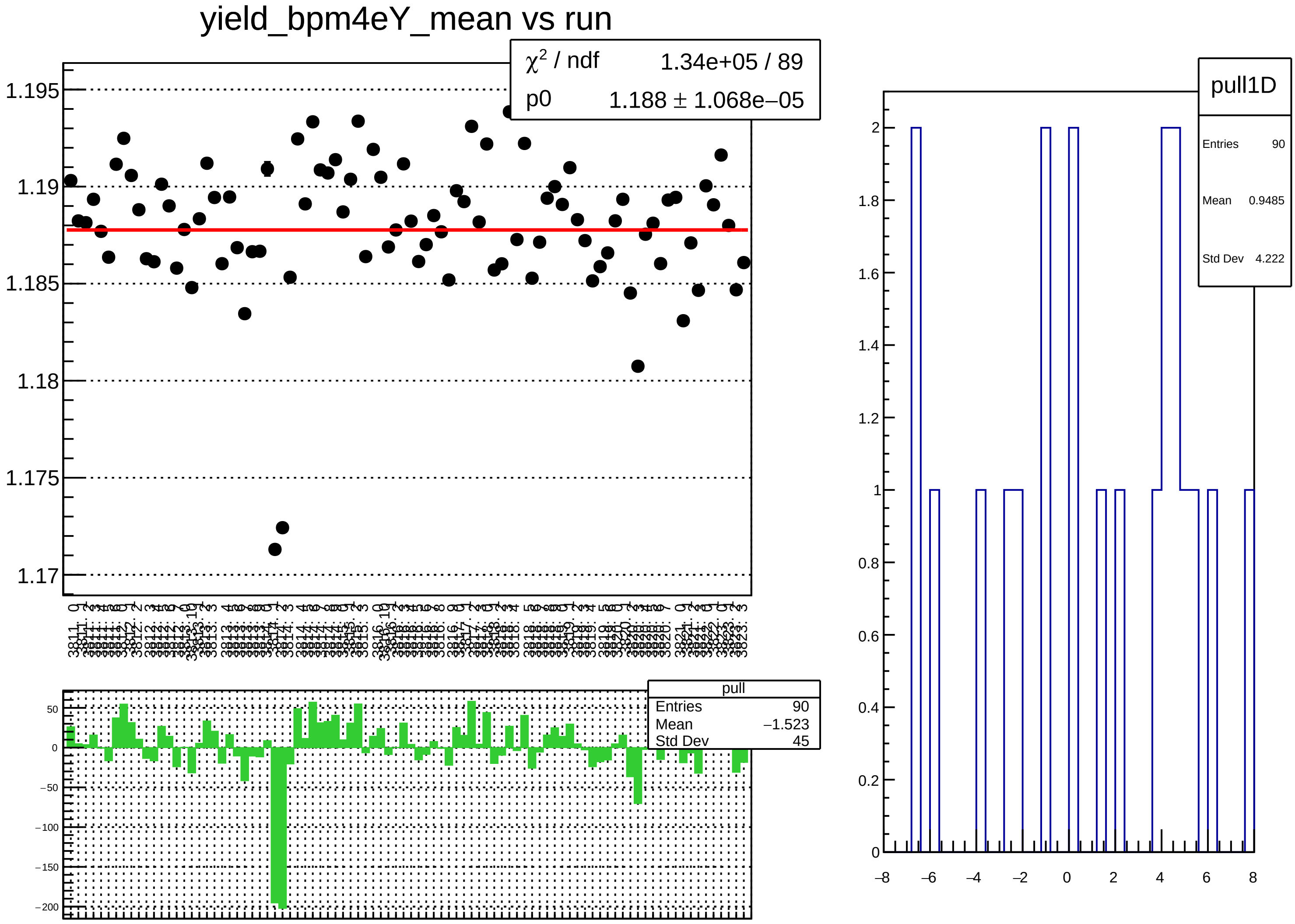
yield_bpm4aY_rms vs run
χ^2 / ndf 5.061e+04 / 89
p0 0.0149 ± 1.154e−05
0.06
0.05
0.04
0.03
0.02
0.01

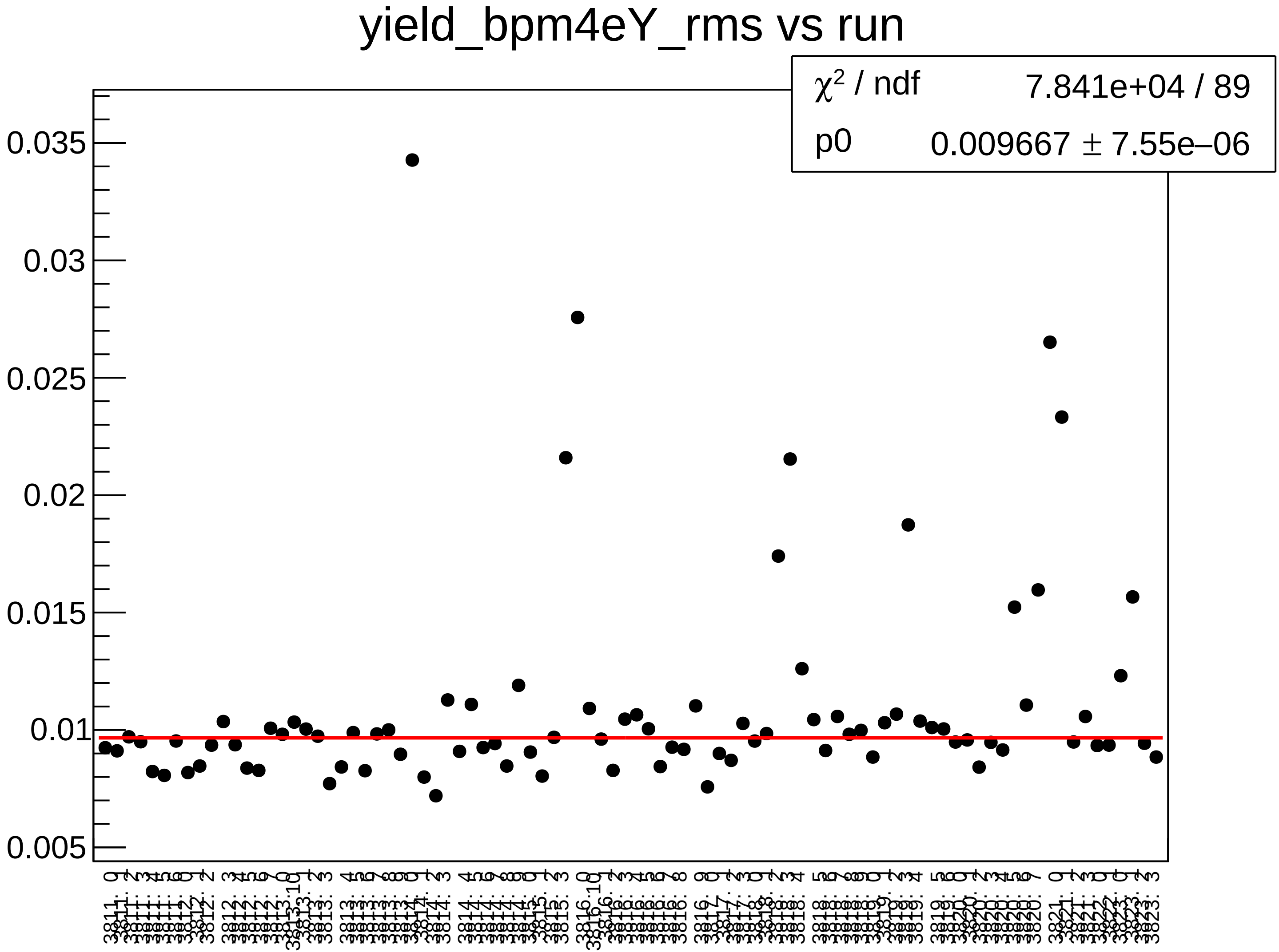


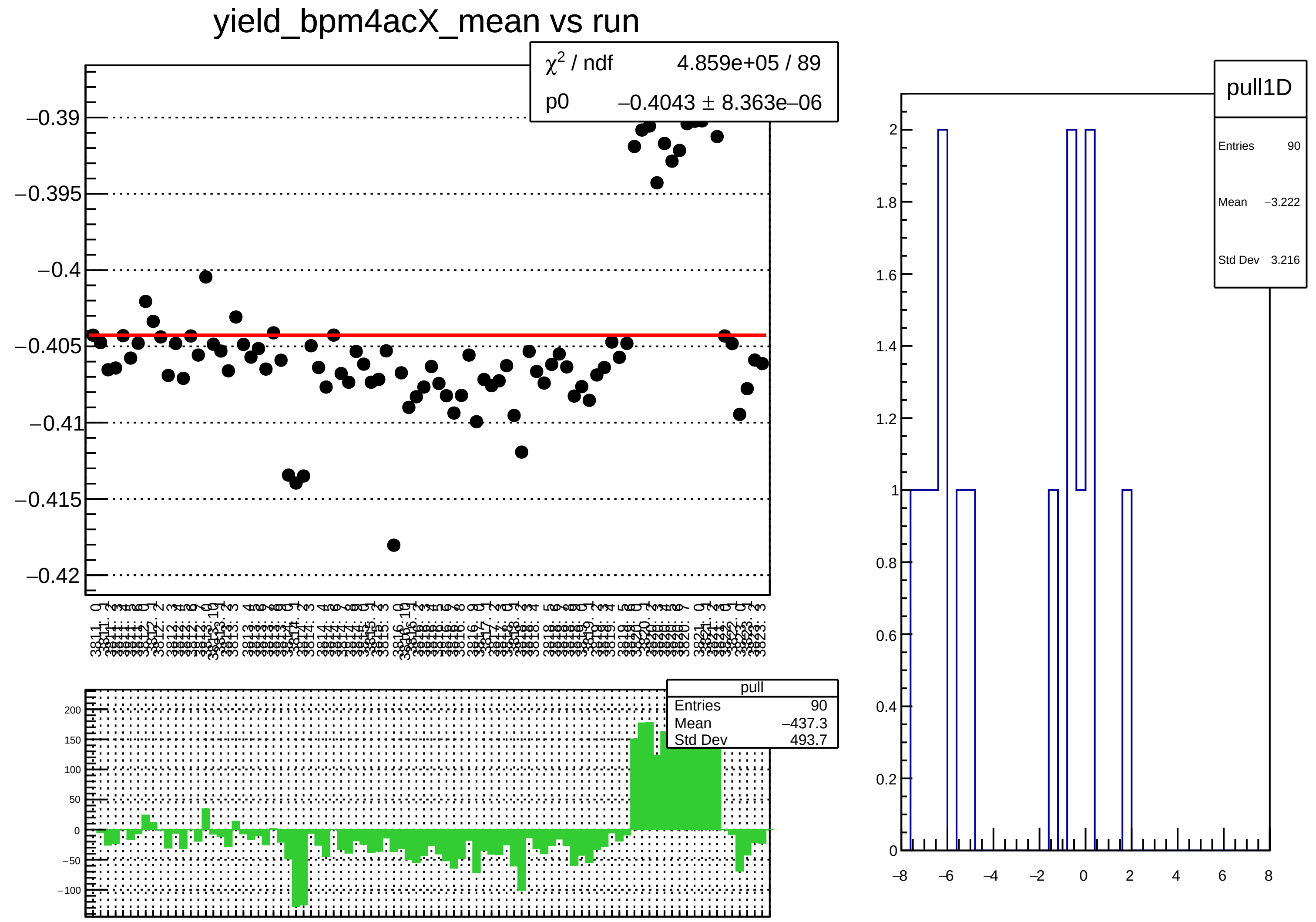
yield_bpm4eX_mean vs run
χ^2 / ndf 8.08e+04 / 89
p0 0.2782 ± 2.339e−05
pull
Entries 90
Mean 127.7
Std Dev 84.94
pull1D
Entries 90
Mean 0.5369
Std Dev 4.065



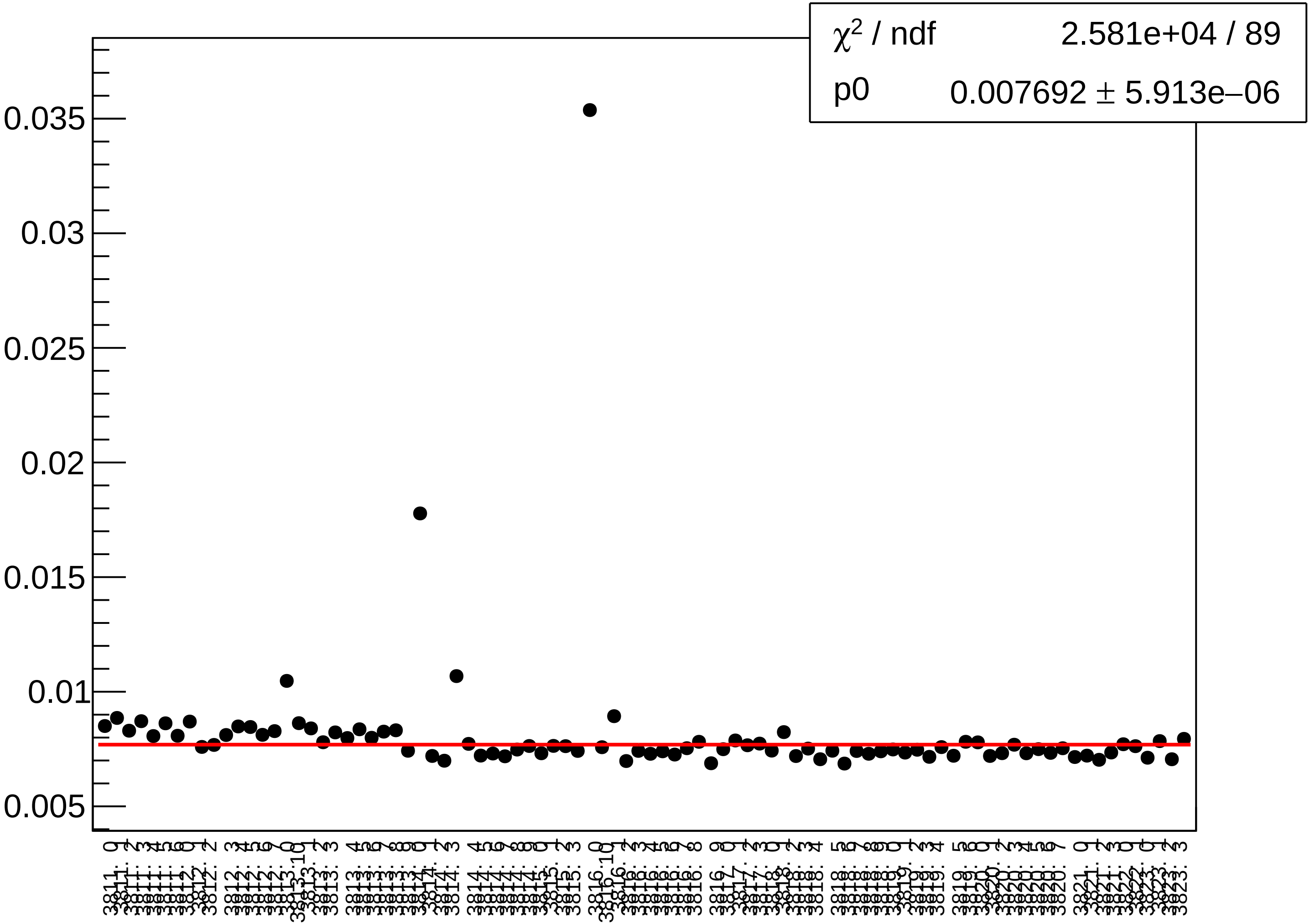
yield_bpm4eX_rms vs run
χ^2 / ndf 1.531e+05 / 89
p0 0.02068 ± 1.654e−05
0.3
0.25
0.2
0.15
0.1
0.05

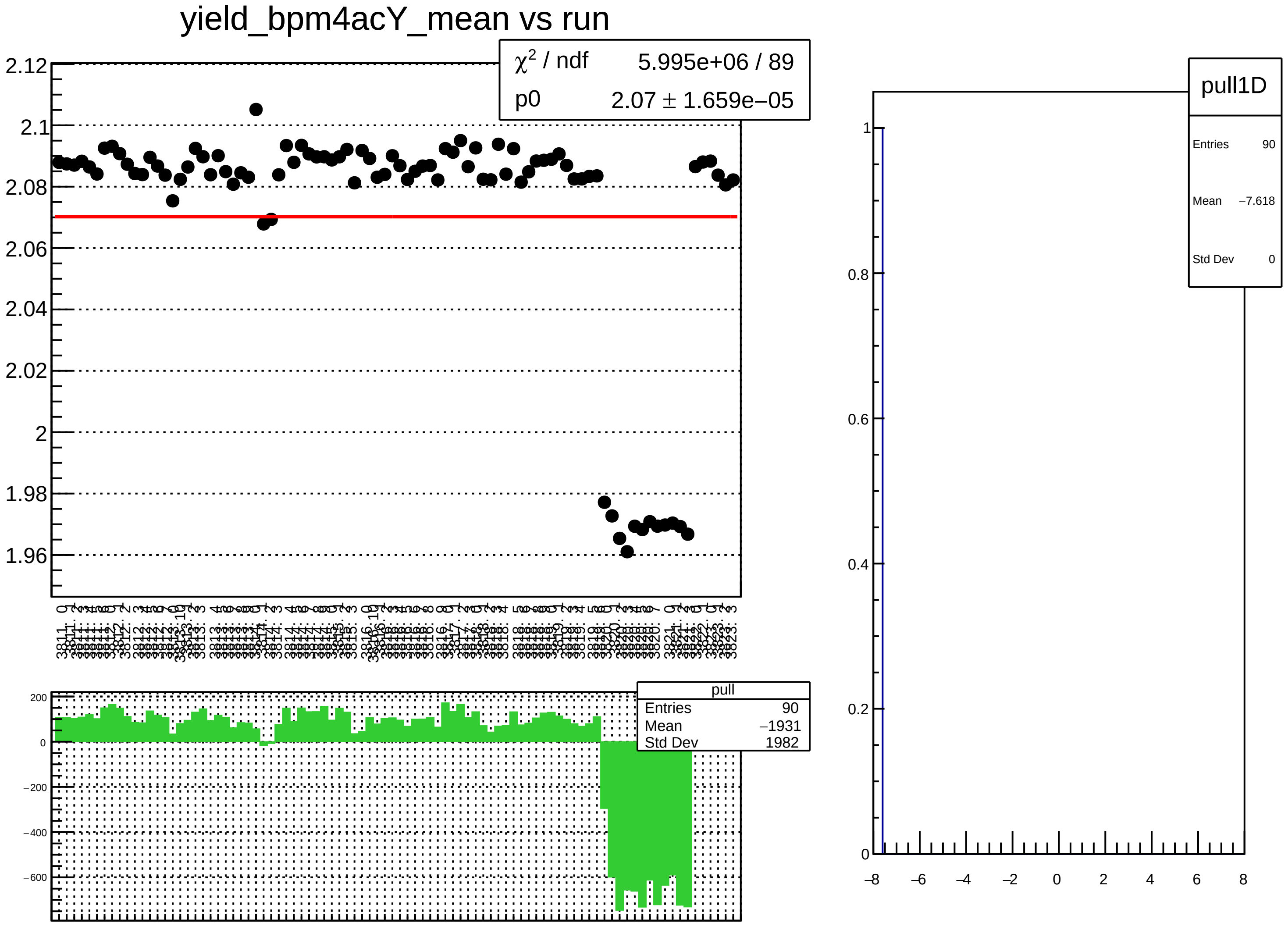

yield_bpm4eY_mean vs run
χ2 / ndf 1.34e+05 / 89
p0 1.188 ± 1.068e−05
pull
Entries 90
Mean −1.523
Std Dev 45
pull1D
Entries 90
Mean 0.9485
Std Dev 4.222

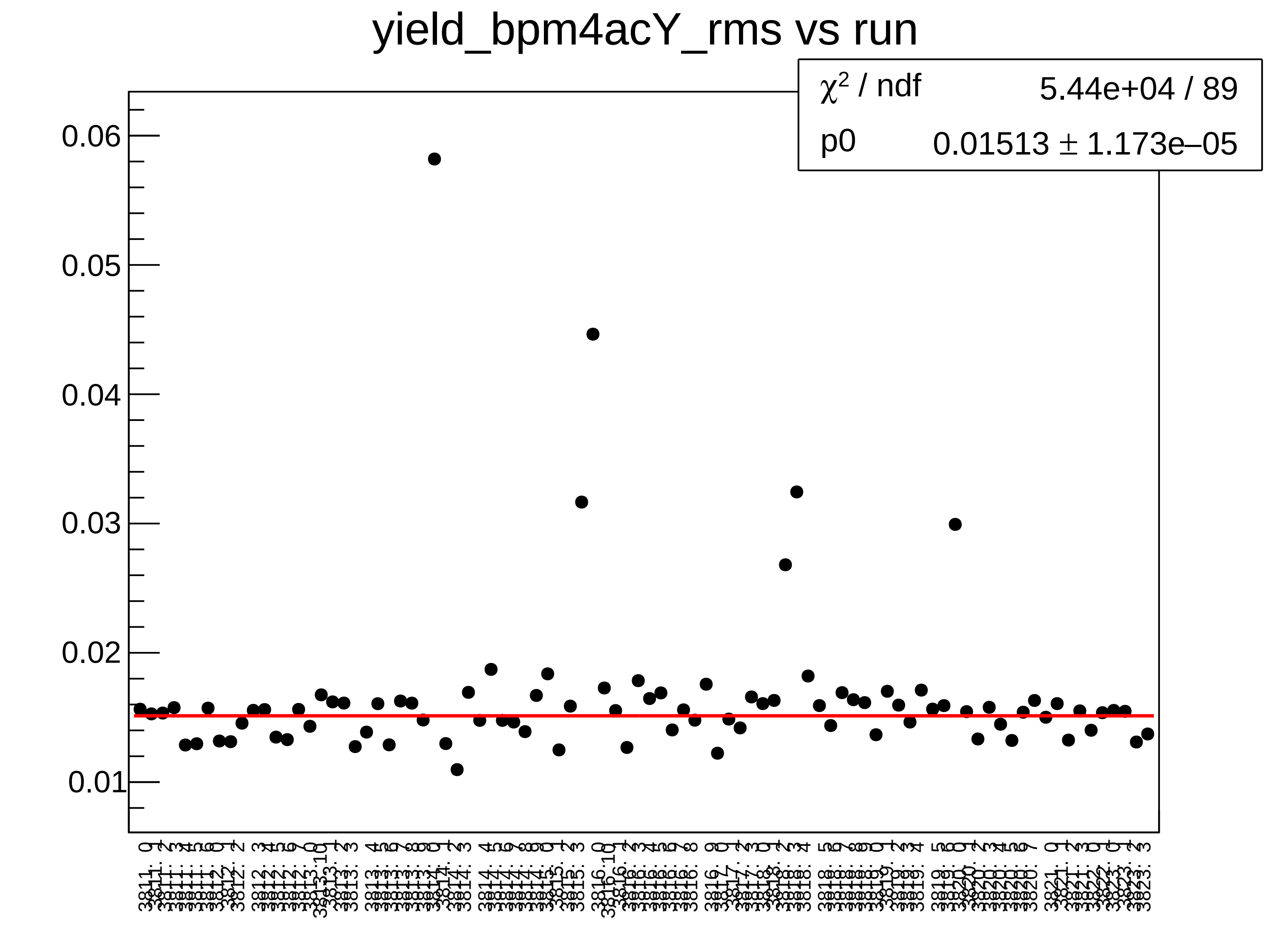

yield_bpm4eY_rms vs run
χ2 / ndf 7.841e+04 / 89
p0 0.009667 ± 7.55e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005


yield_bpm4acX_mean vs run
χ^2 / ndf 4.859e+05 / 89
p0 −0.4043 ± 8.363e−06
pull
Entries 90
Mean −437.3
Std Dev 493.7
pull1D
Entries 90
Mean −3.222
Std Dev 3.216

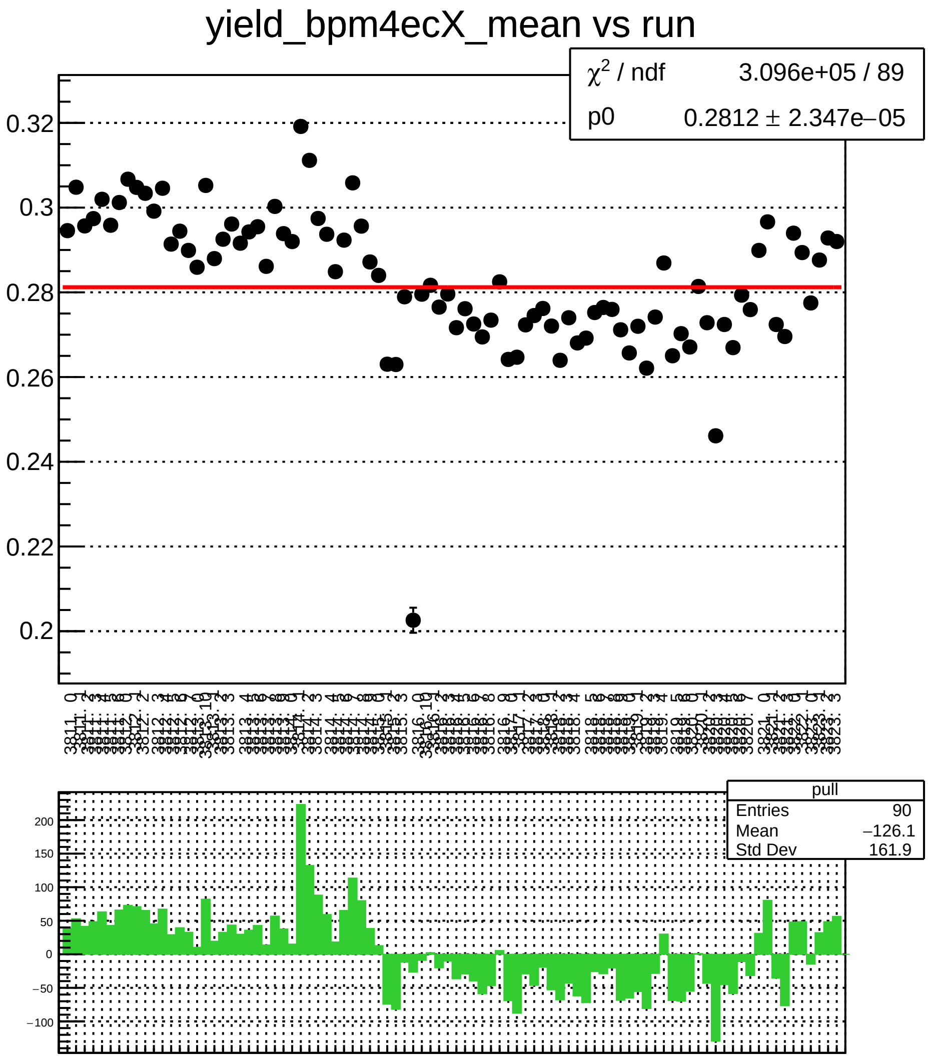
yield_bpm4acX_rms vs run

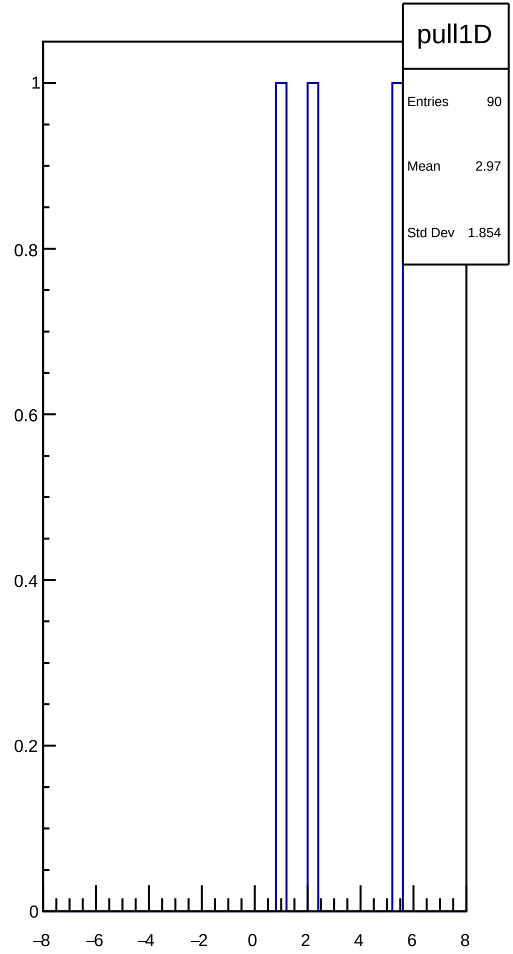


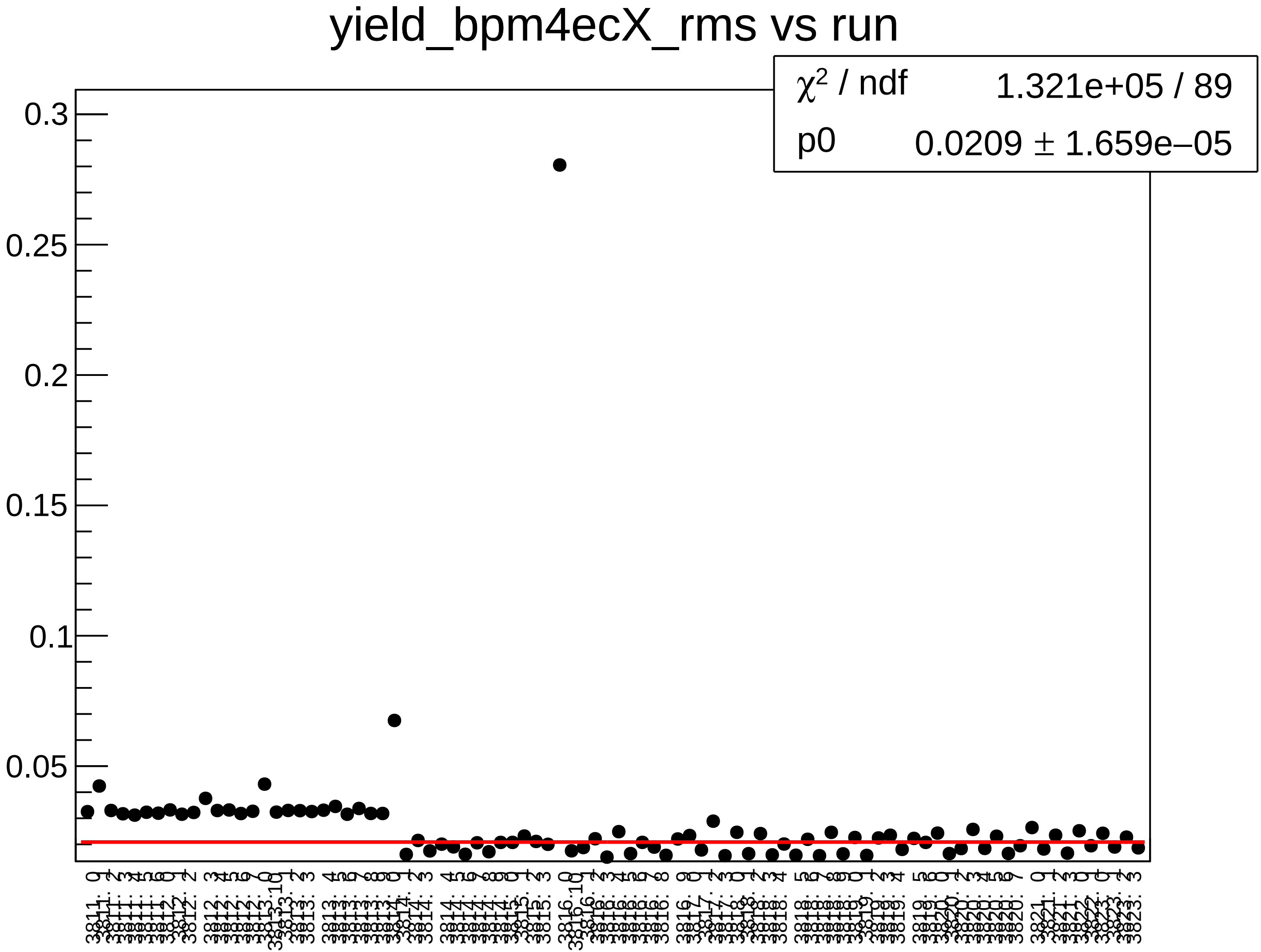

yield_bpm4acY_mean vs run
χ^2 / ndf 5.995e+06 / 89
p0 2.07 ± 1.659e−05
pull
Entries 90
Mean −1931
Std Dev 1982
pull1D
Entries 90
Mean −7.618
Std Dev 0



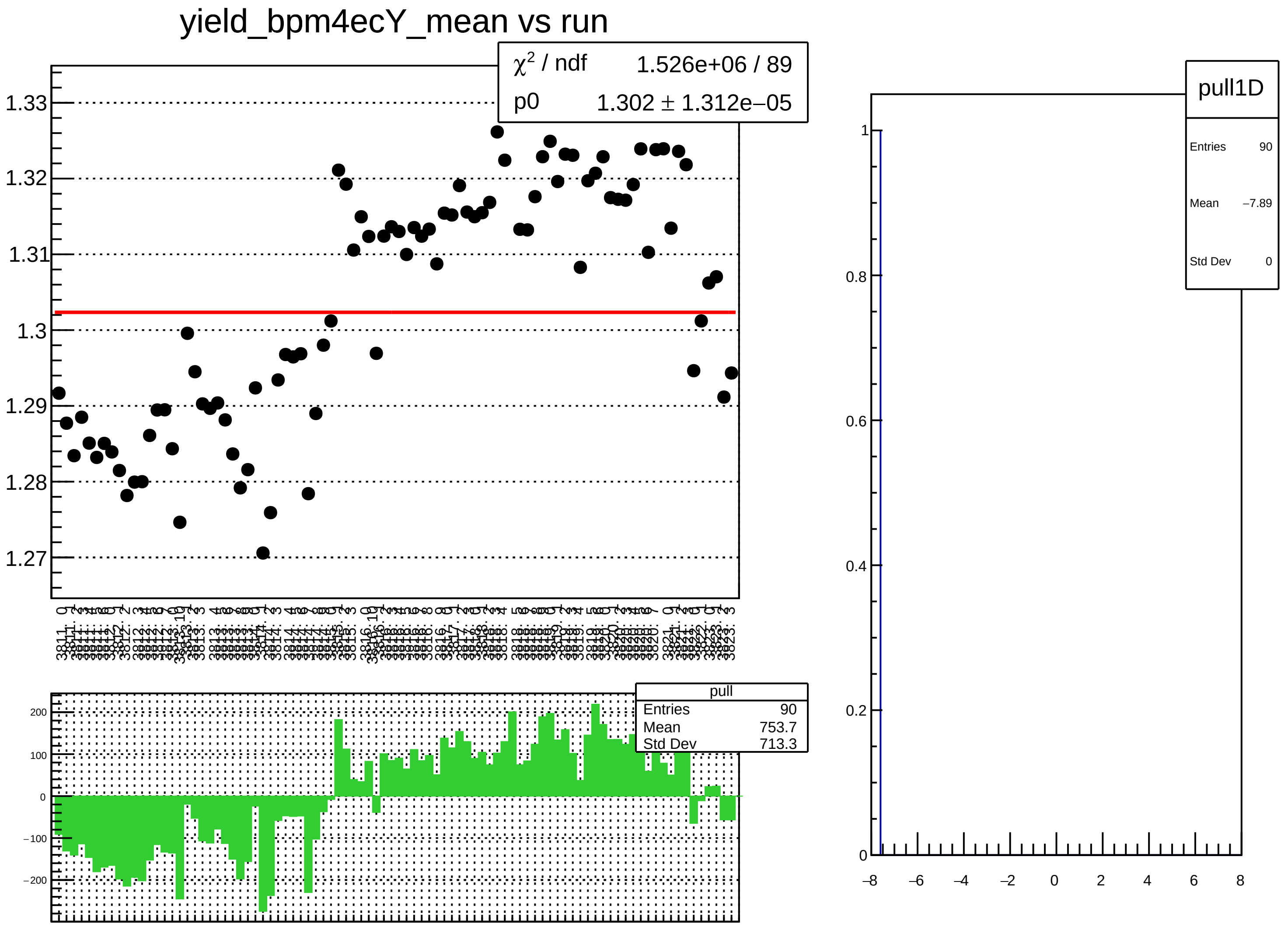
yield_bpm4acY_rms vs run
χ^2 / ndf 5.44e+04 / 89
p0 0.01513 ± 1.173e−05
0.06
0.05
0.04
0.03
0.02
0.01


yield_bpm4ecX_mean vs run
χ2 / ndf 3.096e+05 / 89
p0 0.2812 ± 2.347e−05
pull
Entries 90
Mean −126.1
Std Dev 161.9

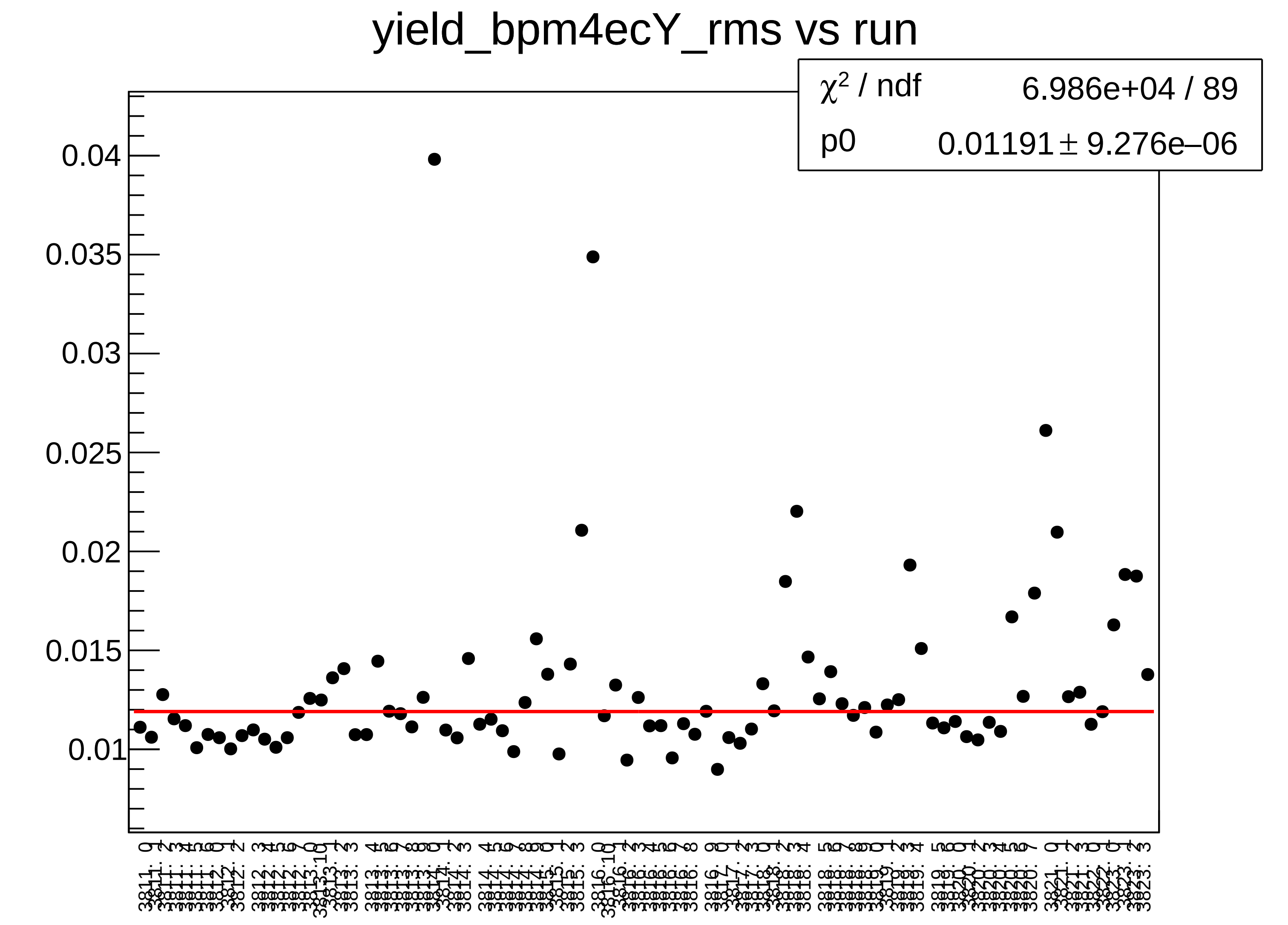

pull1D
Entries 90
Mean 2.97
Std Dev 1.854



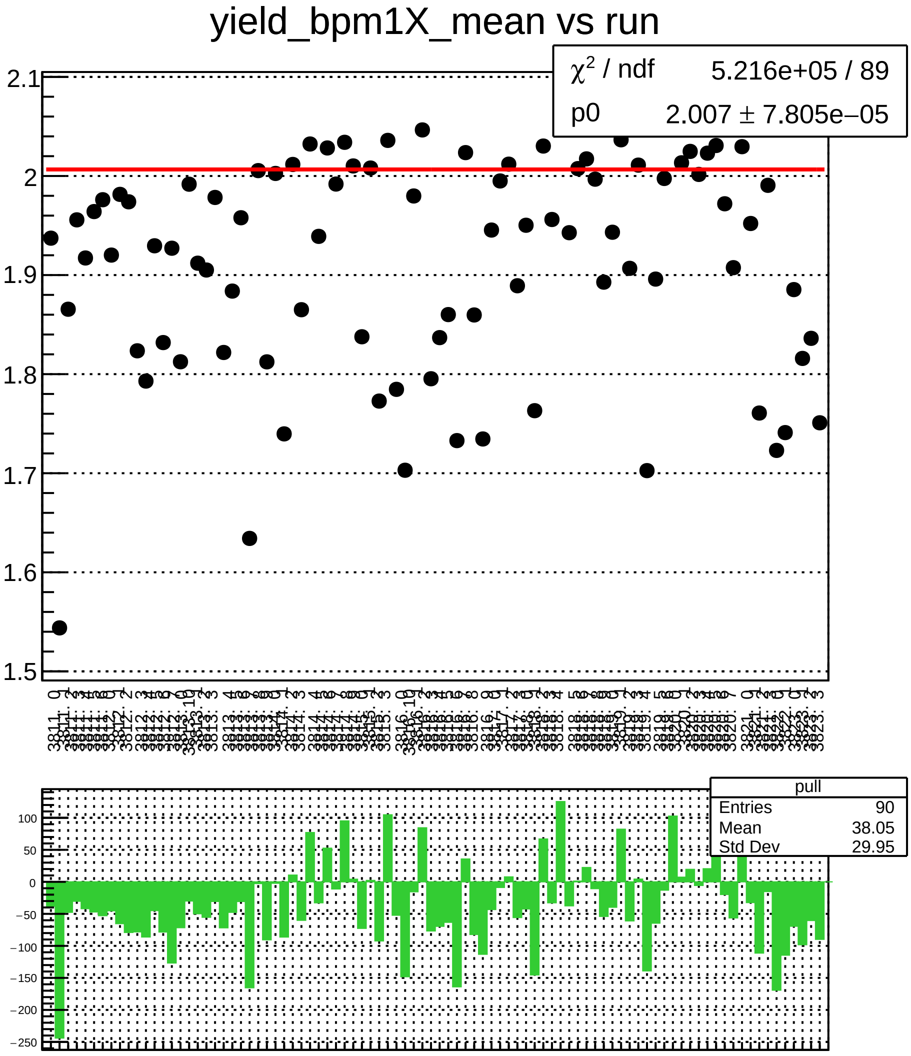
yield_bpm4ecX_rms vs run
χ2 / ndf 1.321e+05 / 89
p0 0.0209 ± 1.659e−05
0.3
0.25
0.2
0.15
0.1
0.05



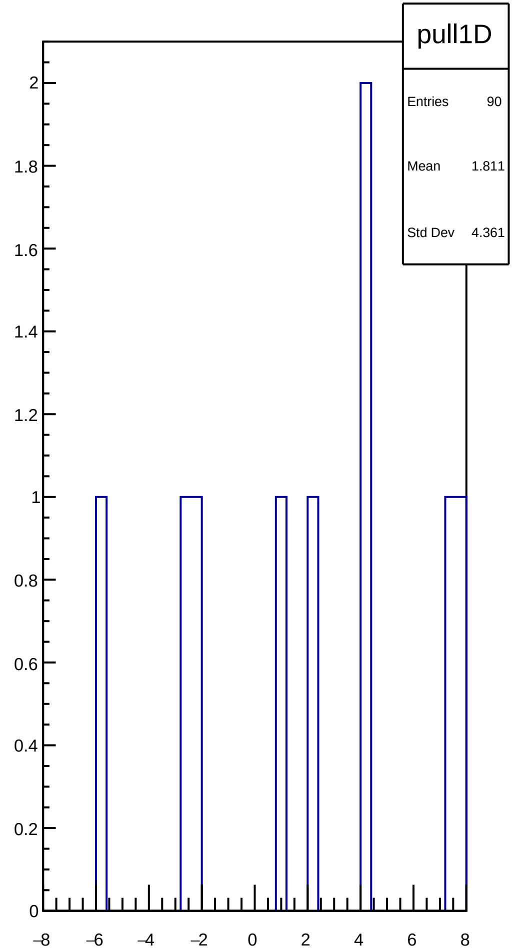
yield_bpm4ecY_mean vs run
χ^2 / ndf 1.526e+06 / 89
p0 1.302 ± 1.312e−05
pull
Entries 90
Mean 753.7
Std Dev 713.3
pull1D
Entries 90
Mean −7.89
Std Dev 0



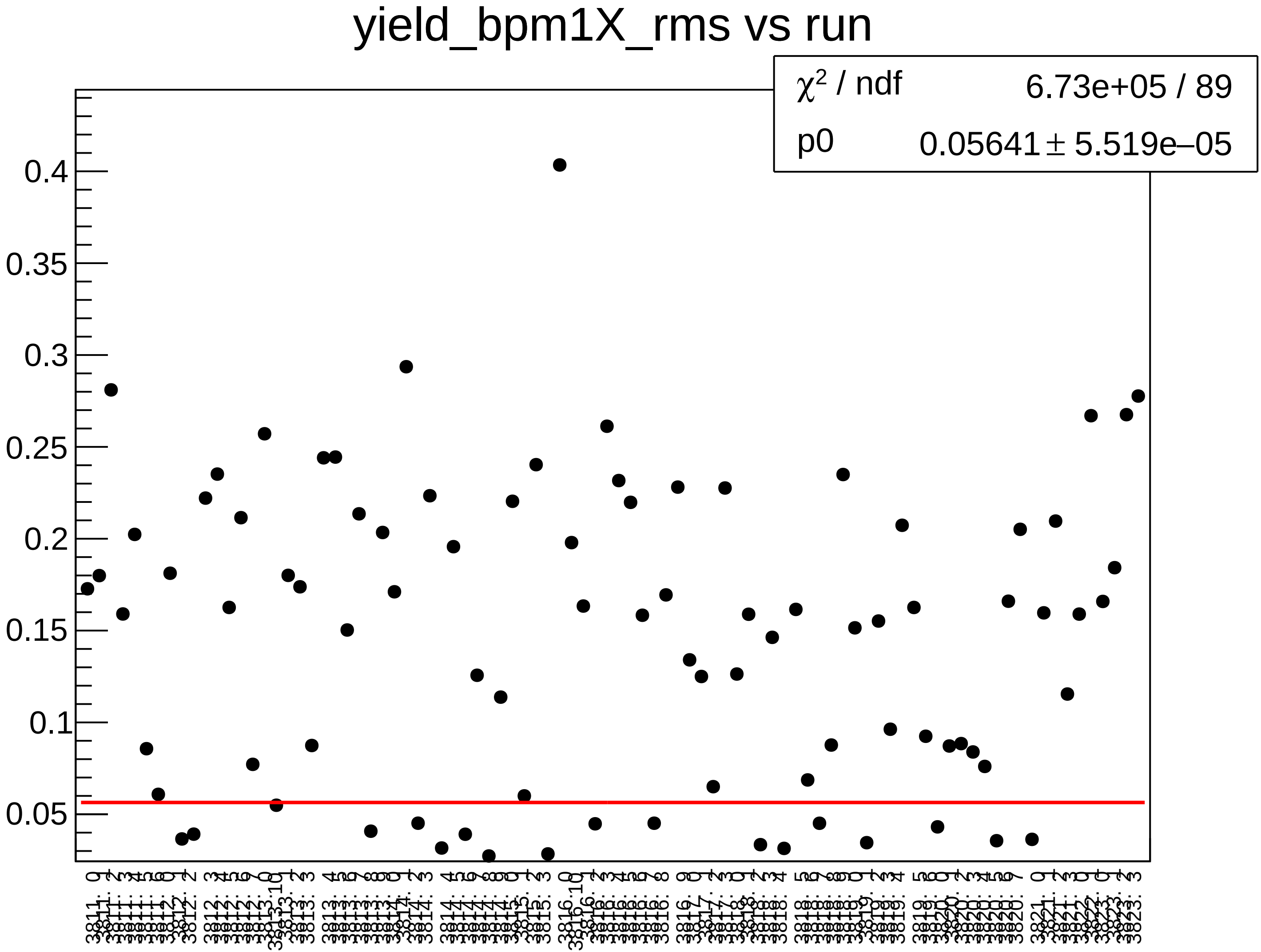
yield_bpm4ecY_rms vs run
χ^2 / ndf 6.986e+04 / 89
p0 0.01191 ± 9.276e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01



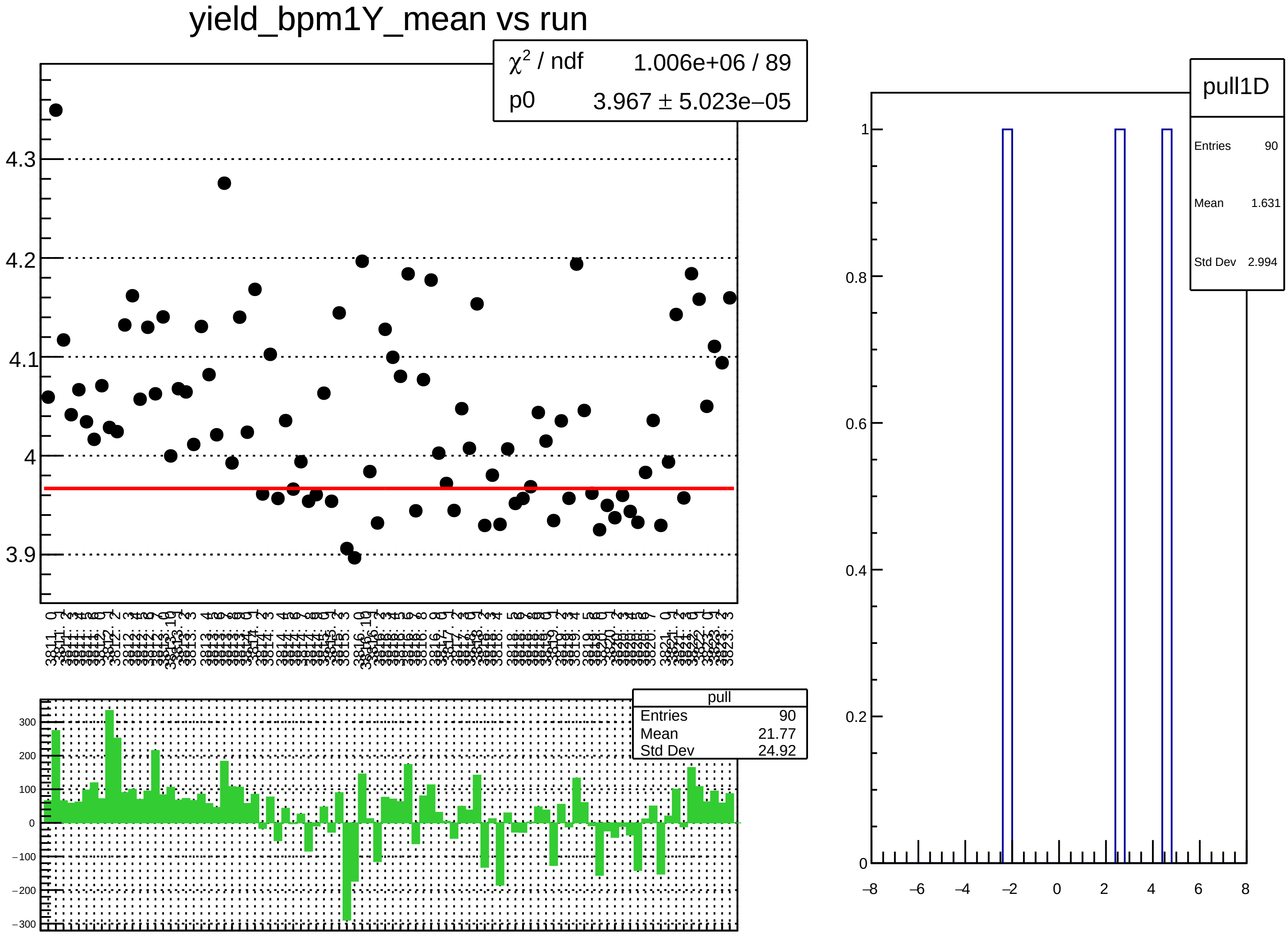
yield_bpm1X_mean vs run
χ^2 / ndf 5.216e+05 / 89
p0 2.007 ± 7.805e−05
pull
Entries 90
Mean 38.05
Std Dev 29.95



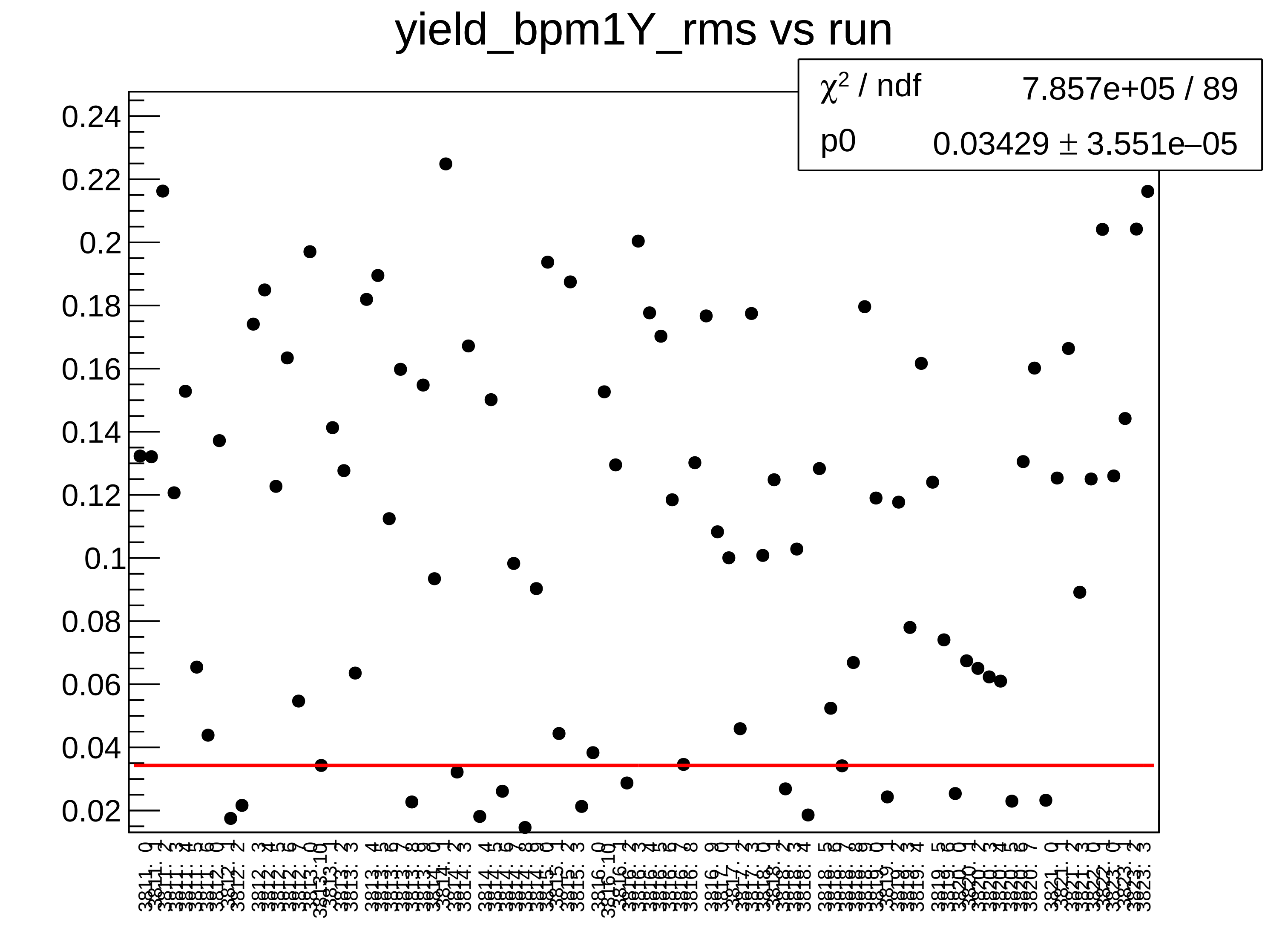
pull1D
Entries 90
Mean 1.811
Std Dev 4.361

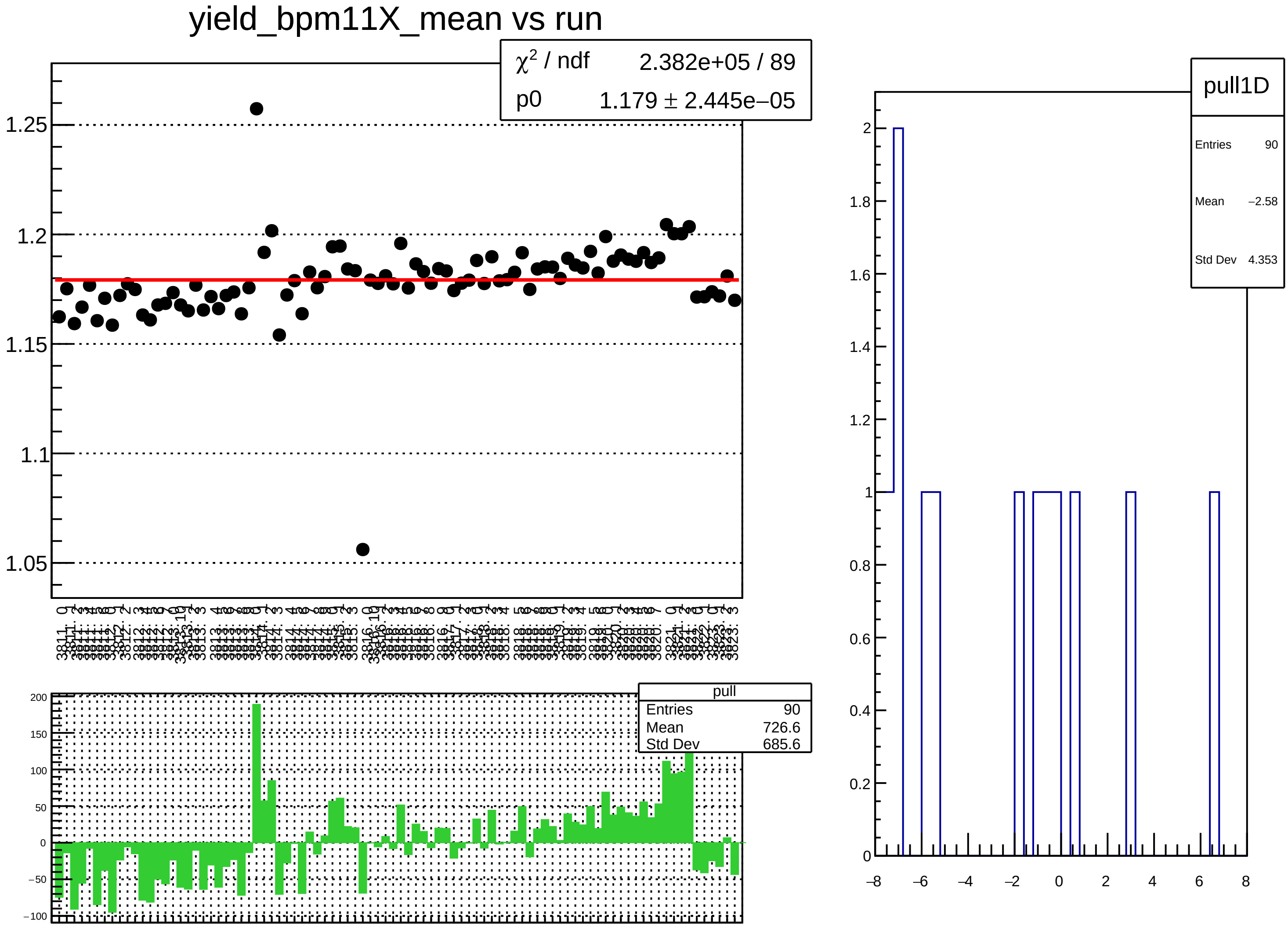


yield_bpm1X_rms vs run
χ^2 / ndf 6.73e+05 / 89
p0 0.05641 ± 5.519e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

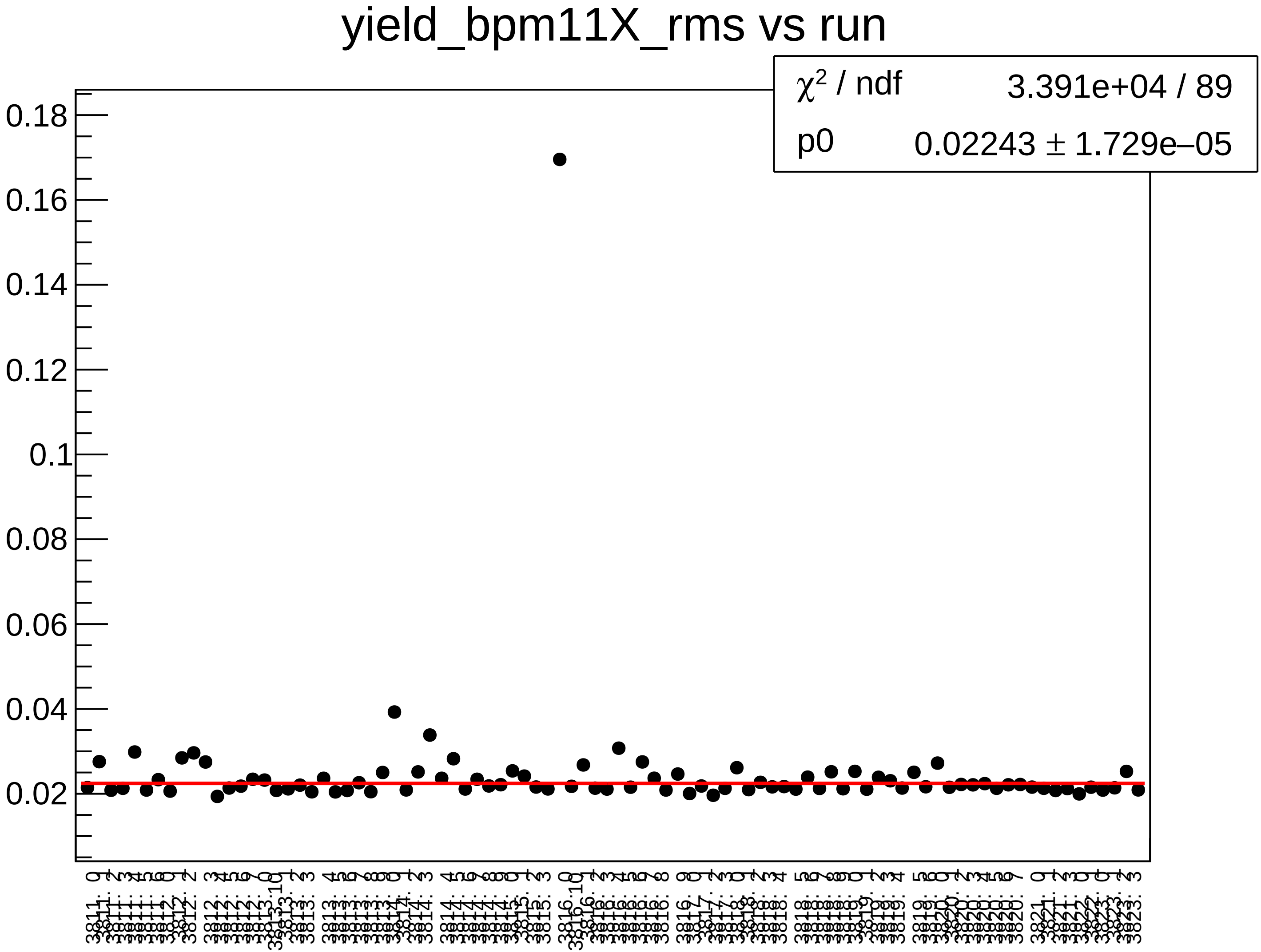


yield_bpm1Y_mean vs run
χ^2 / ndf 1.006e+06 / 89
p0 3.967 ± 5.023e−05
pull
Entries 90
Mean 21.77
Std Dev 24.92
pull1D
Entries 90
Mean 1.631
Std Dev 2.994

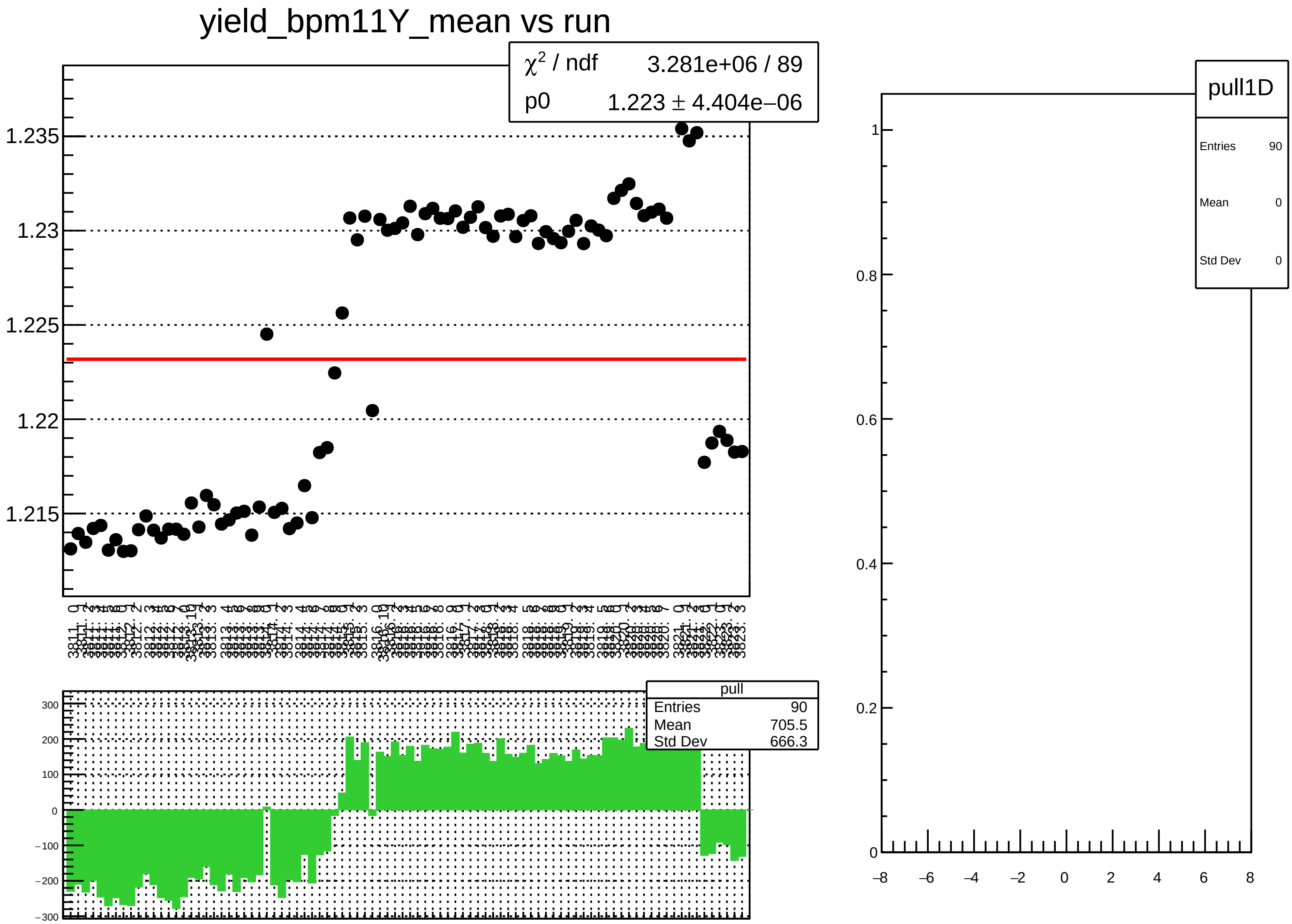

yield_bpm1Y_rms vs run
χ2 / ndf 7.857e+05 / 89
p0 0.03429 ± 3.551e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

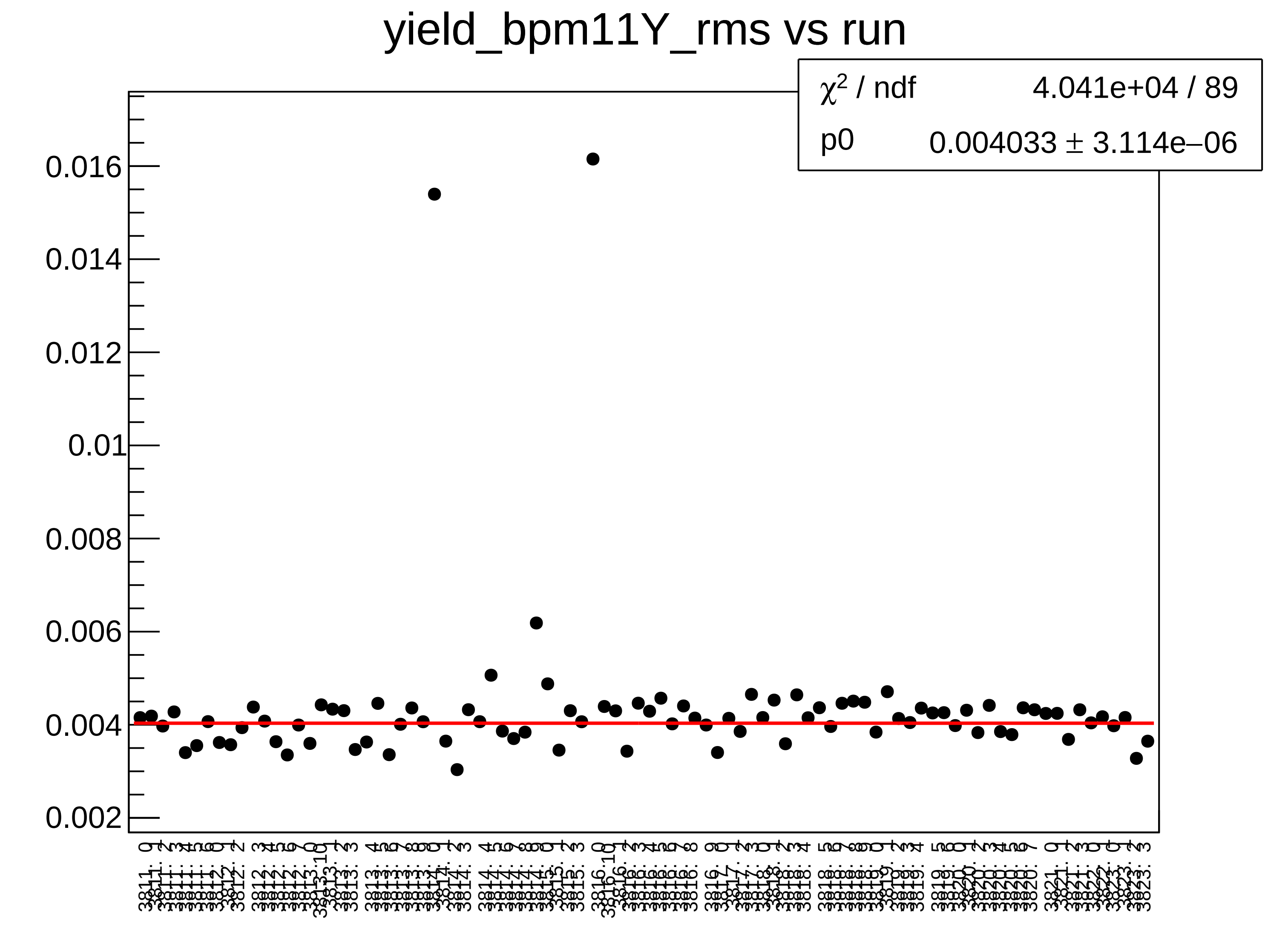


yield_bpm11X_mean vs run
χ^2 / ndf 2.382e+05 / 89
p0 1.179 ± 2.445e−05
pull
Entries 90
Mean 726.6
Std Dev 685.6
pull1D
Entries 90
Mean −2.58
Std Dev 4.353

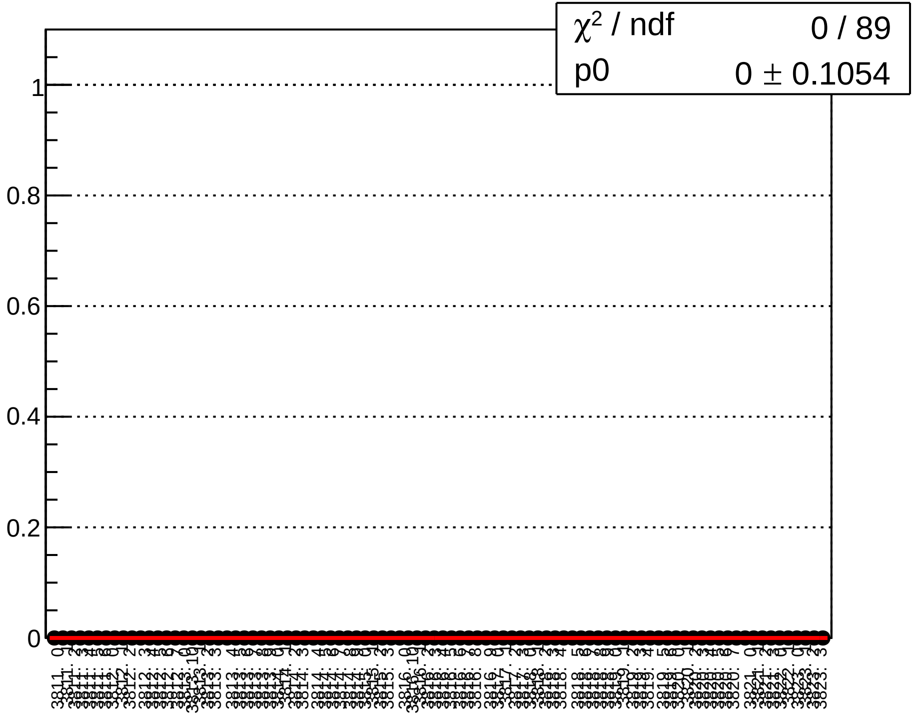


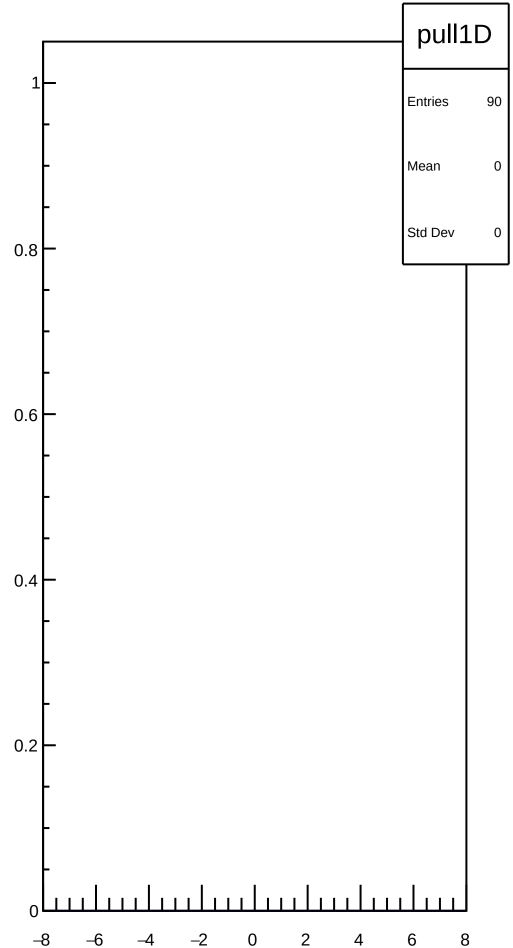
yield_bpm11X_rms vs run
χ^2 / ndf 3.391e+04 / 89
p0 0.02243 ± 1.729e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

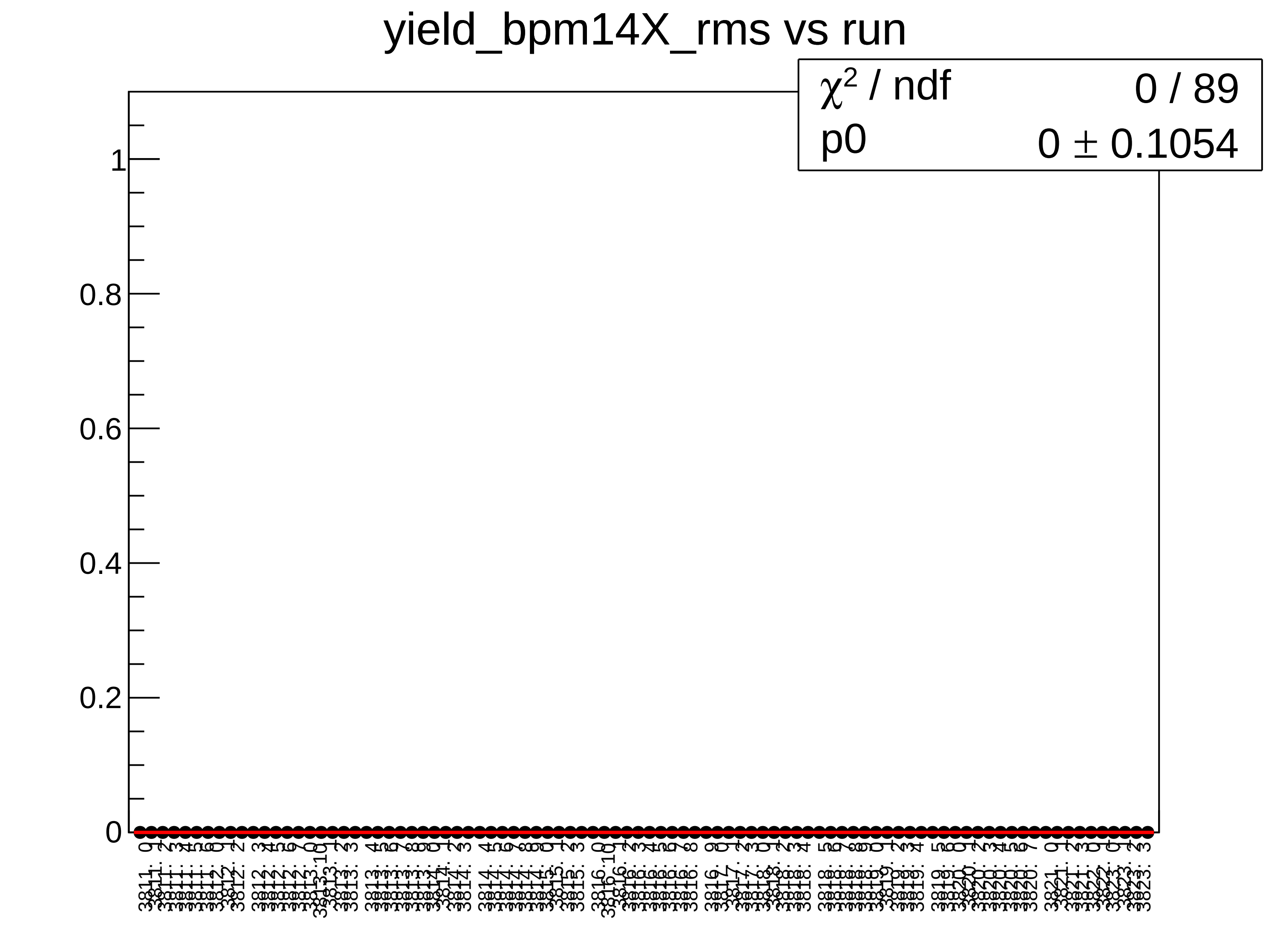

yield_bpm11Y_mean vs run
χ^2 / ndf 3.281e+06 / 89
p0 1.223 ± 4.404e−06
pull
Entries 90
Mean 705.5
Std Dev 666.3
pull1D
Entries 90
Mean 0
Std Dev 0


yield_bpm11Y_rms vs run
χ^2 / ndf 4.041e+04 / 89
p0 0.004033 ± 3.114e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

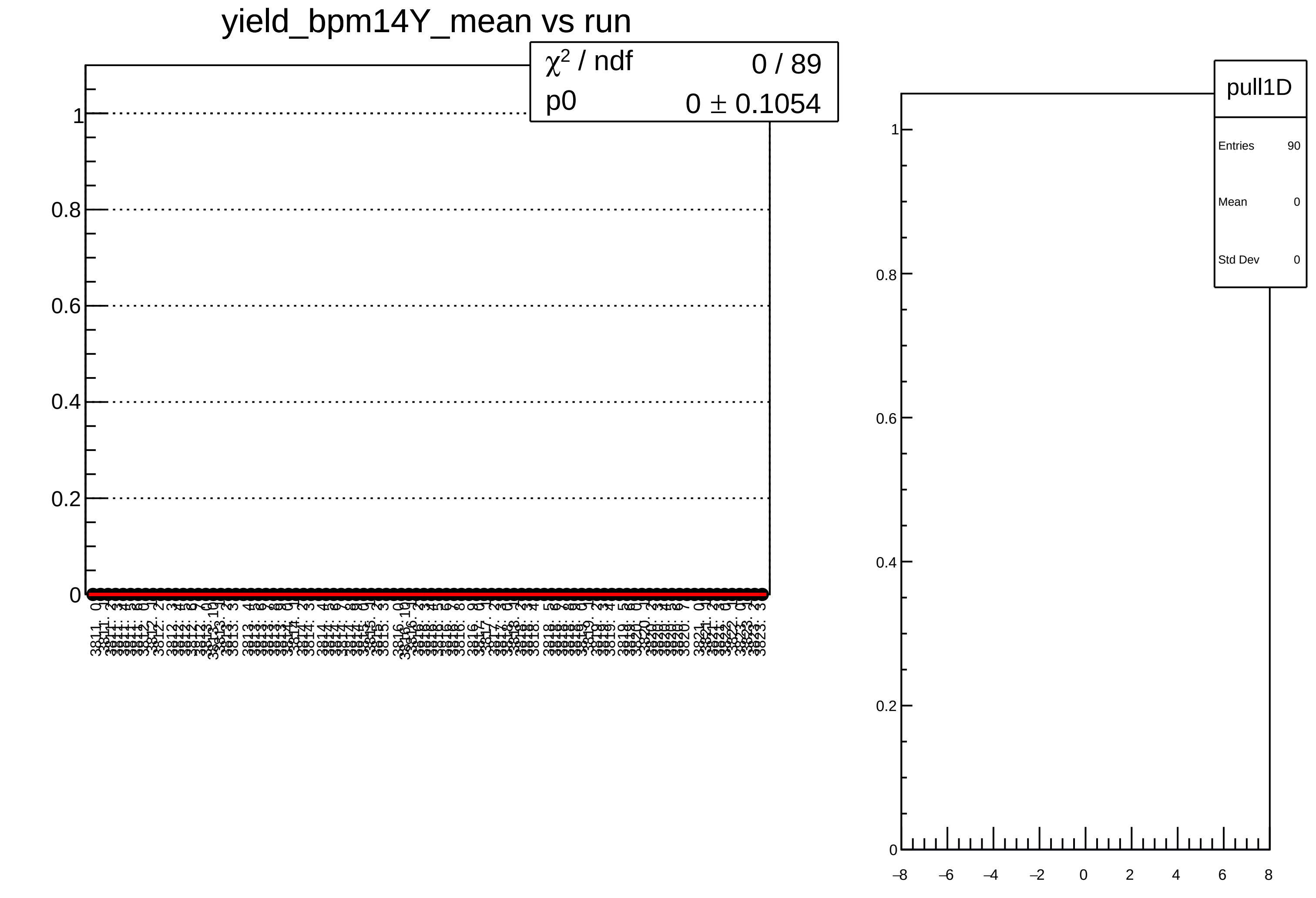
yield_bpm14X_mean vs run



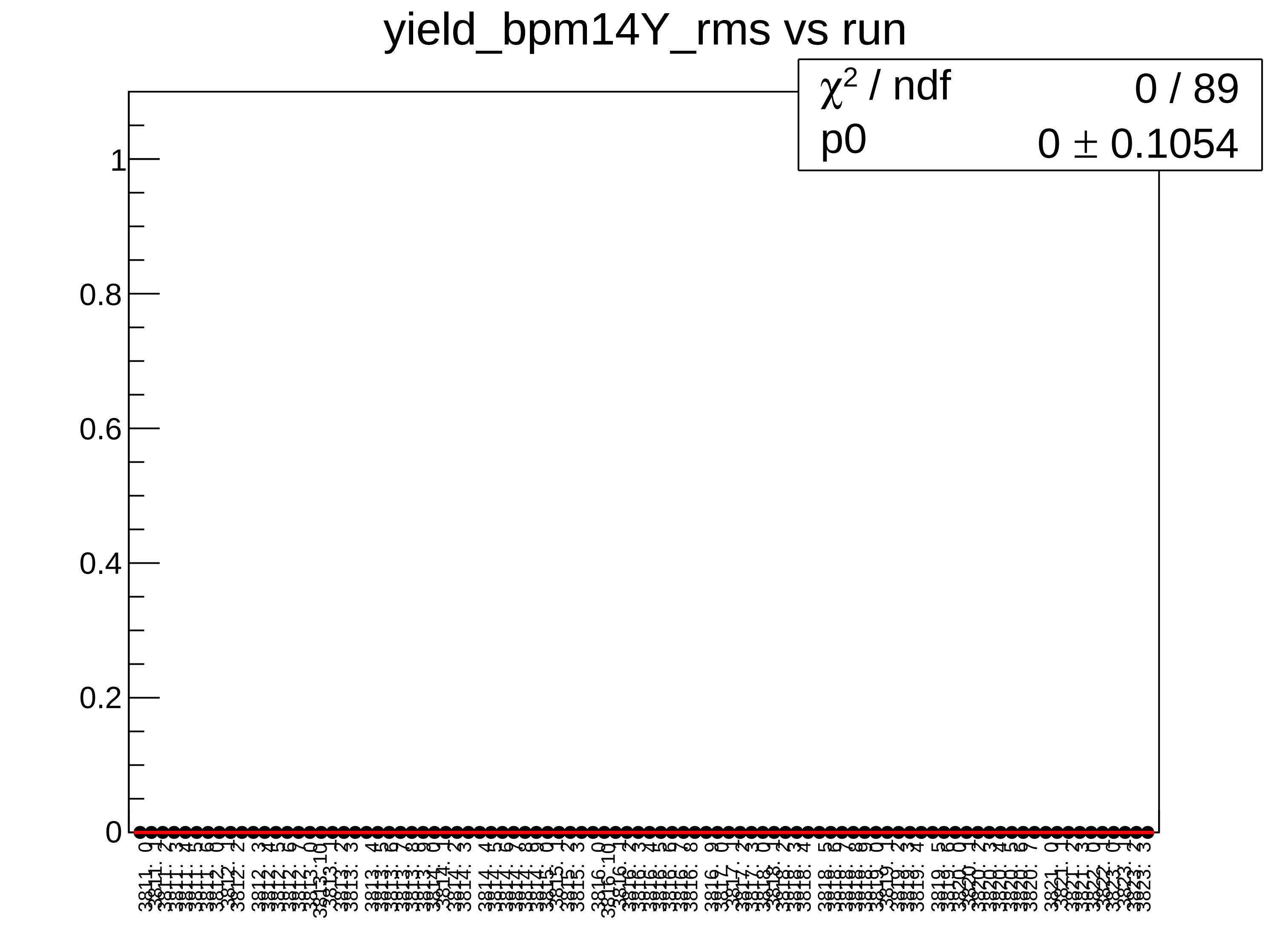


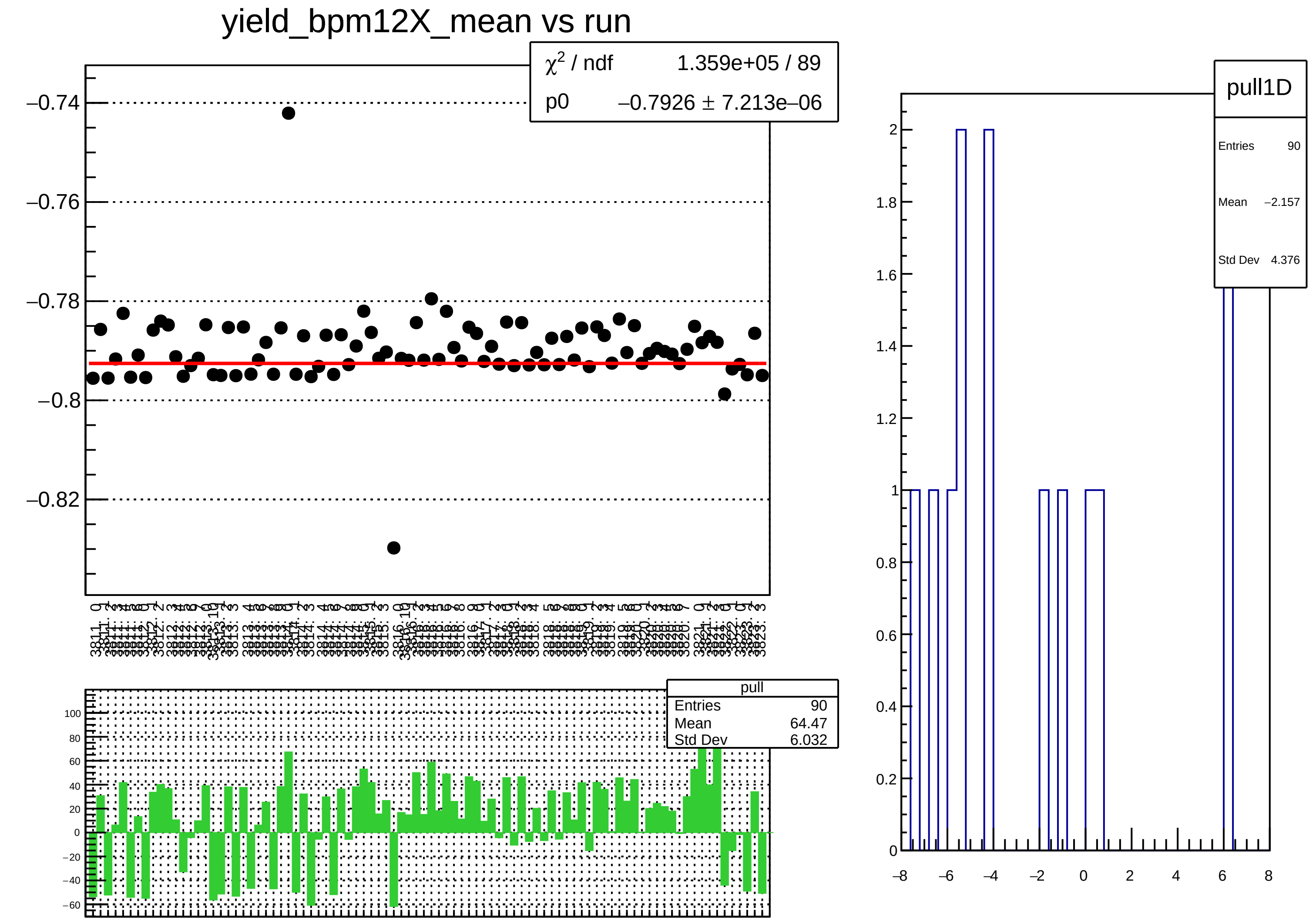


yield_bpm14X_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

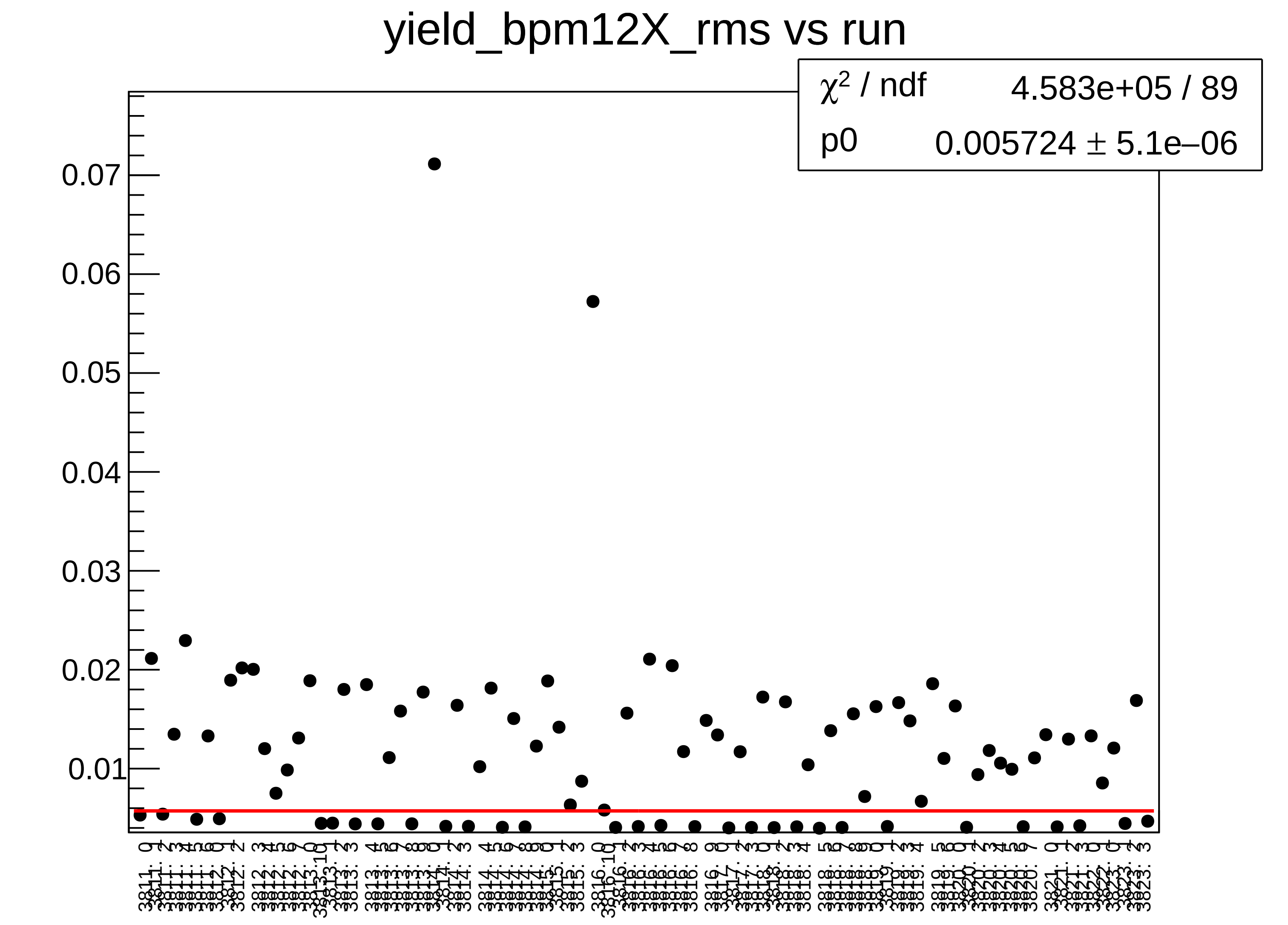


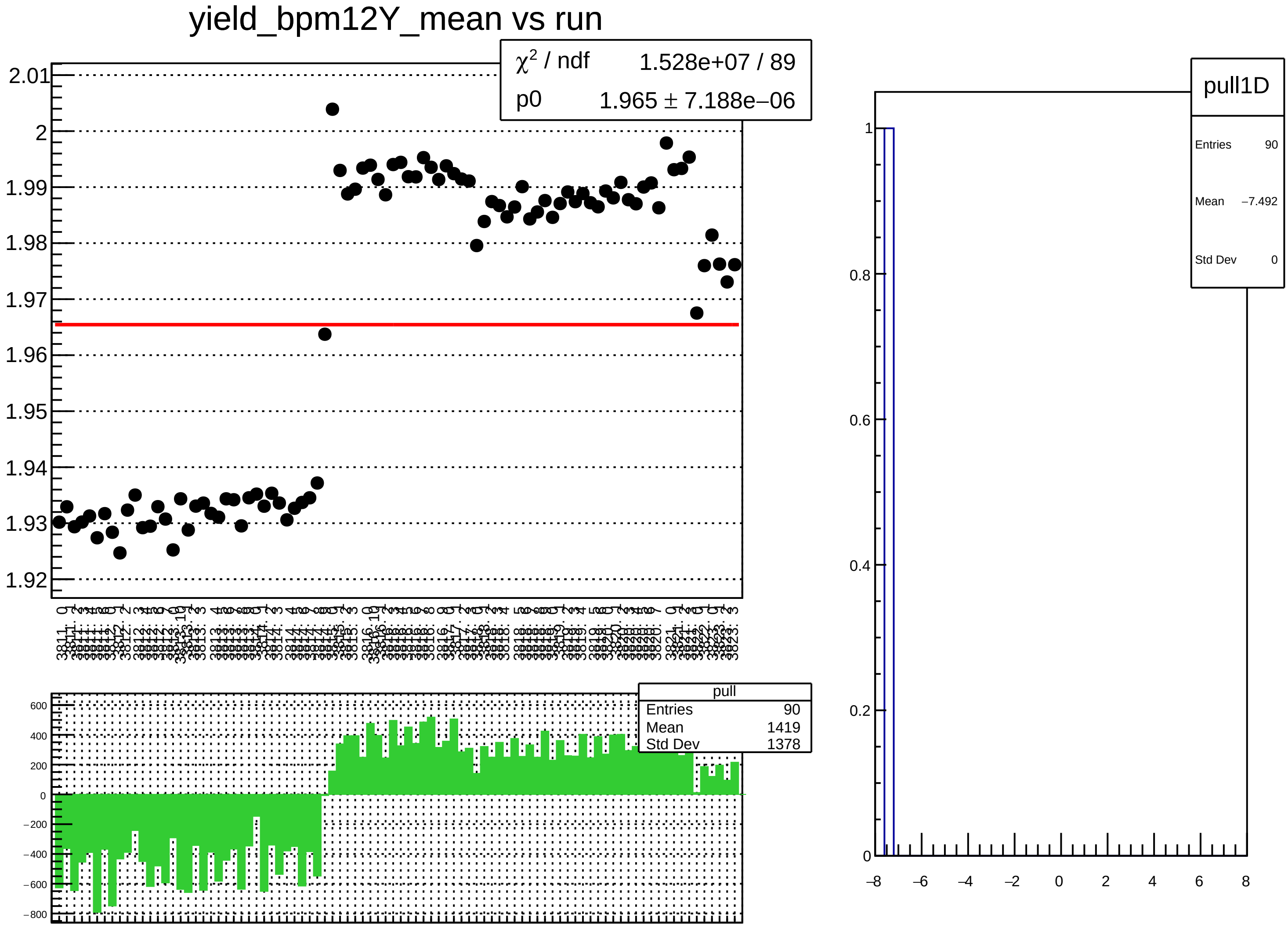
yield_bpm14Y_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
pull1D
Entries 90
Mean 0
Std Dev 0


yield_bpm14Y_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

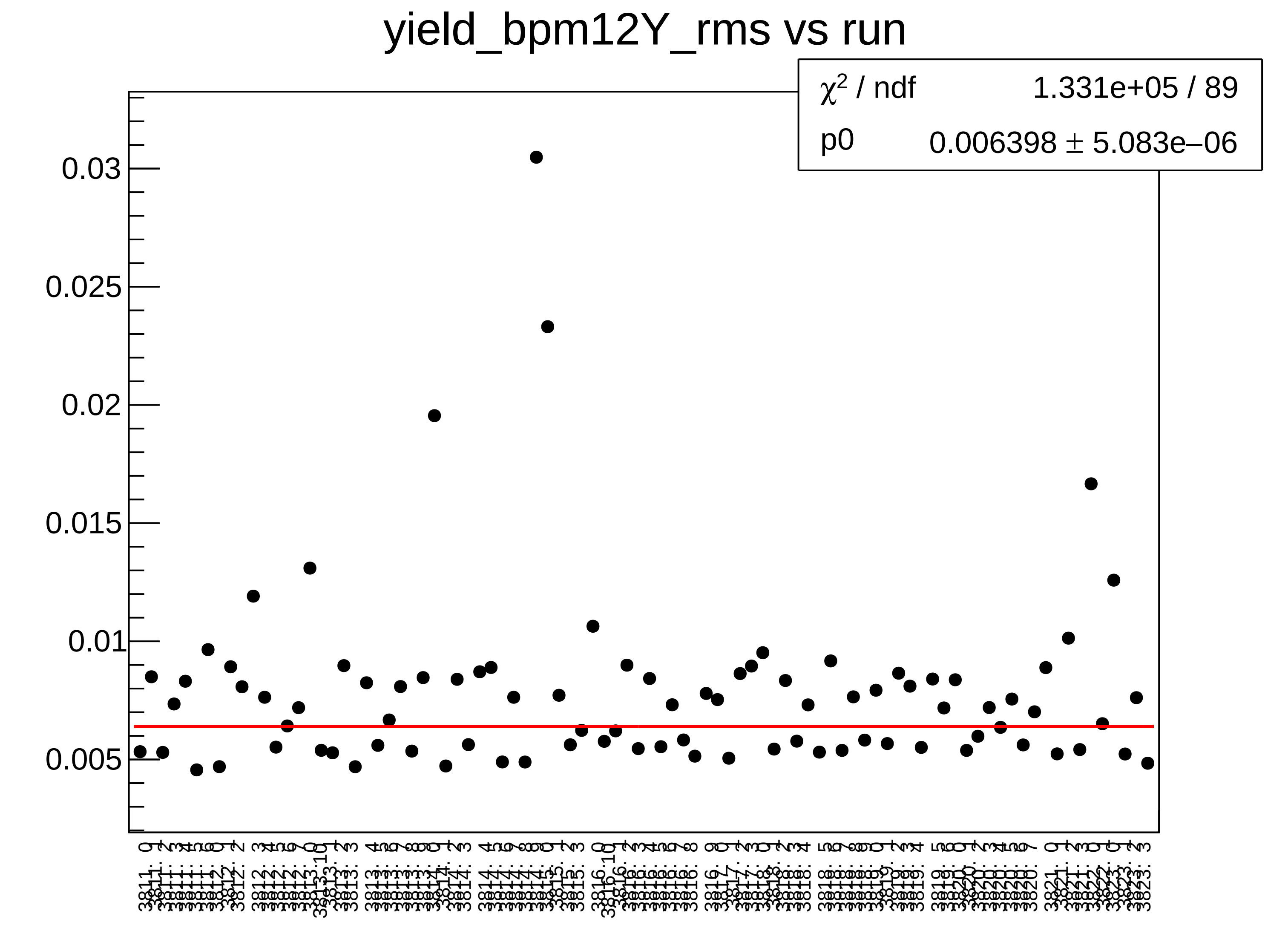


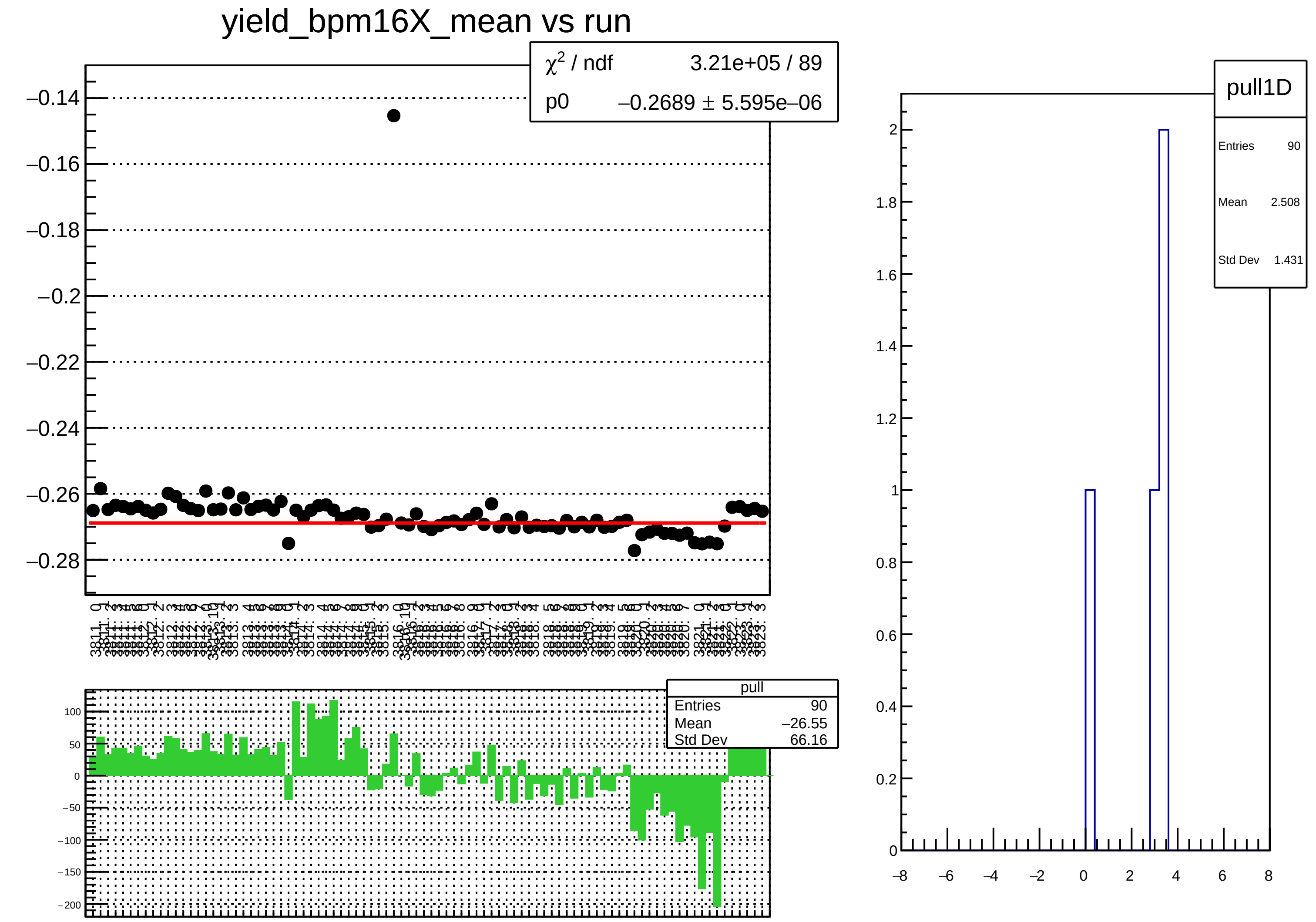
yield_bpm12X_mean vs run
χ^2 / ndf 1.359e+05 / 89
p0 −0.7926 ± 7.213e−06
pull
Entries 90
Mean 64.47
Std Dev 6.032
pull1D
Entries 90
Mean −2.157
Std Dev 4.376

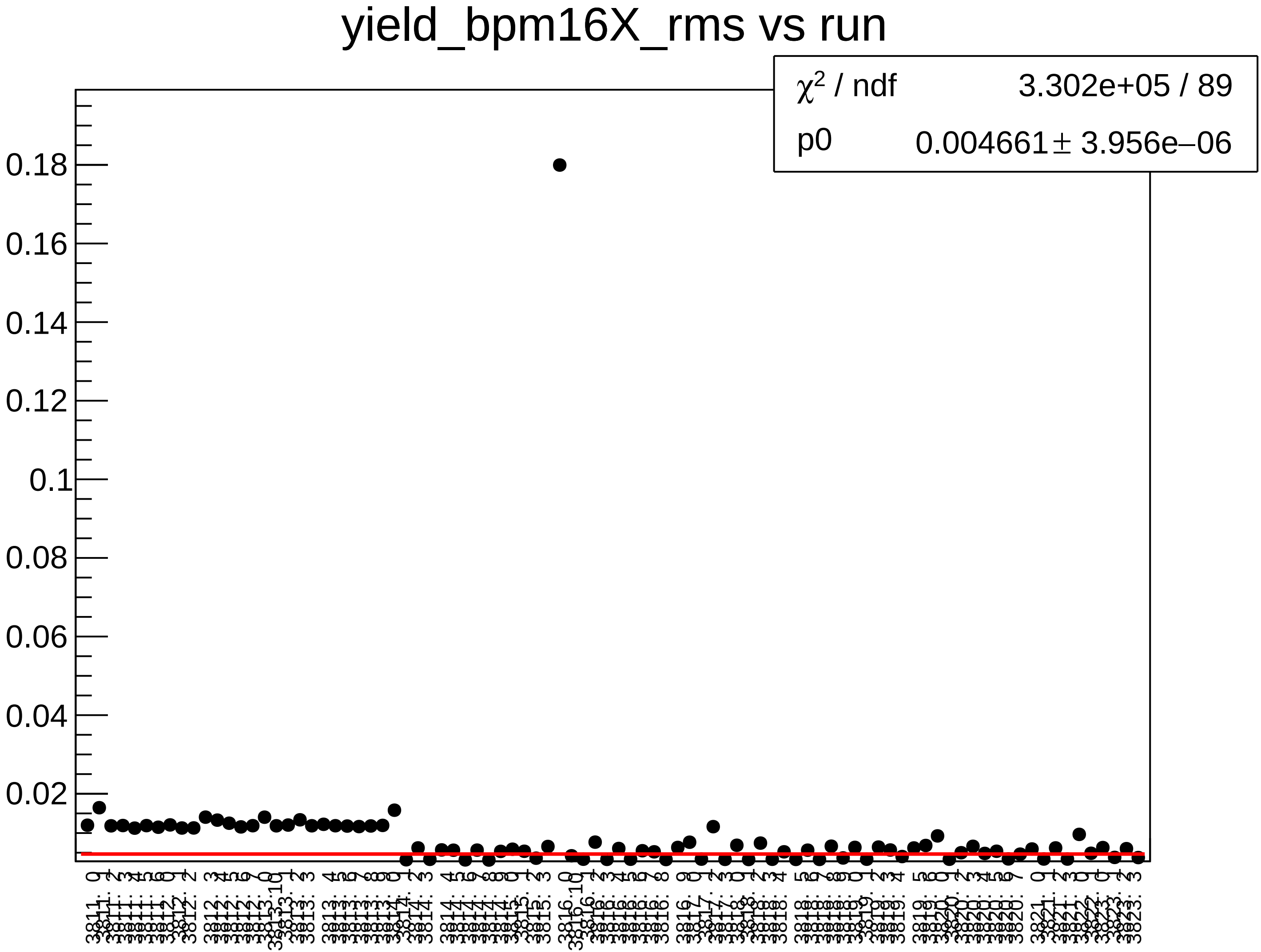

yield_bpm12X_rms vs run
χ2 / ndf 4.583e+05 / 89
p0 0.005724 ± 5.1e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

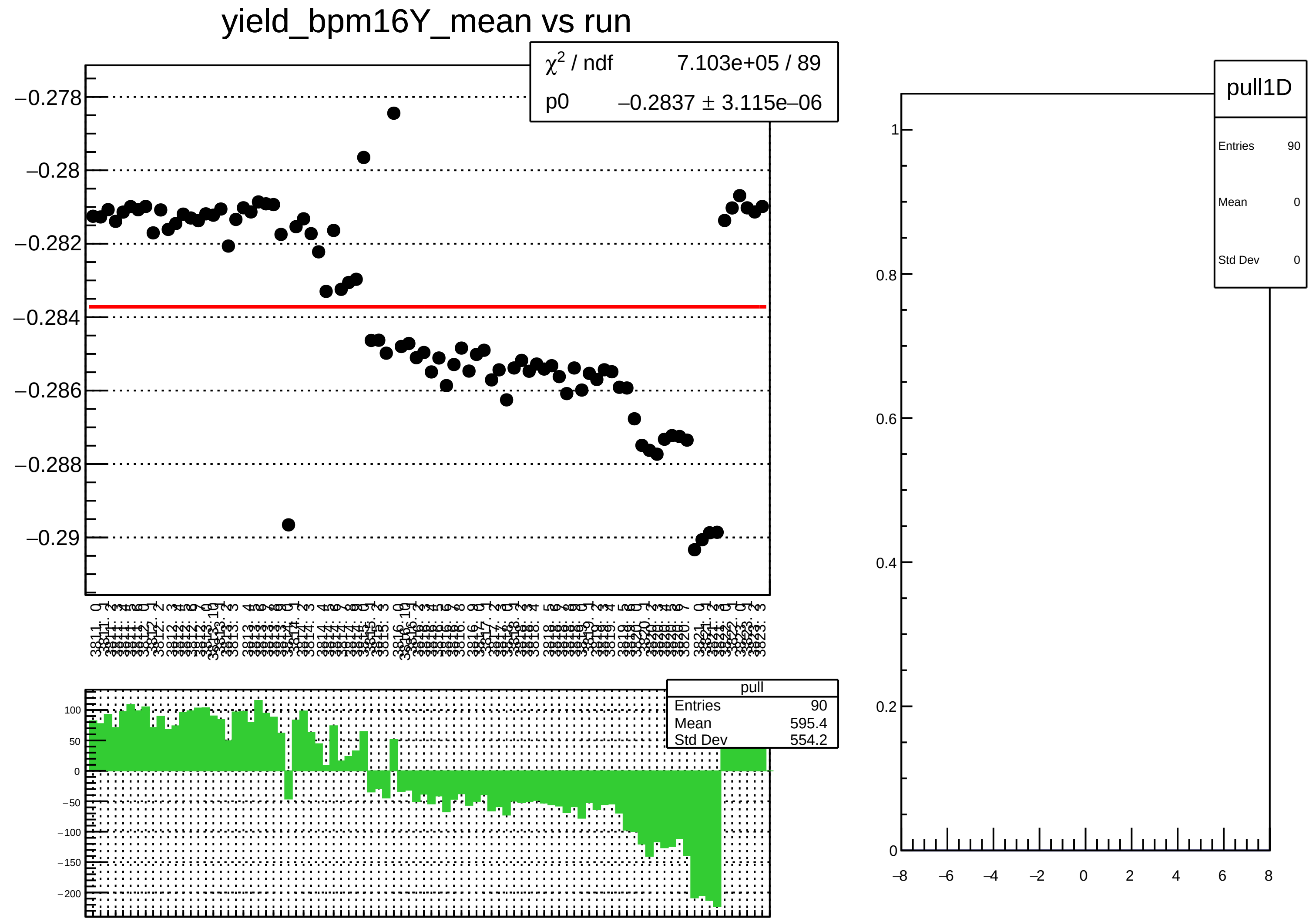


yield_bpm12Y_mean vs run
χ^2 / ndf 1.528e+07 / 89
p0 1.965 ± 7.188e−06
pull
Entries 90
Mean 1419
Std Dev 1378
pull1D
Entries 90
Mean −7.492
Std Dev 0

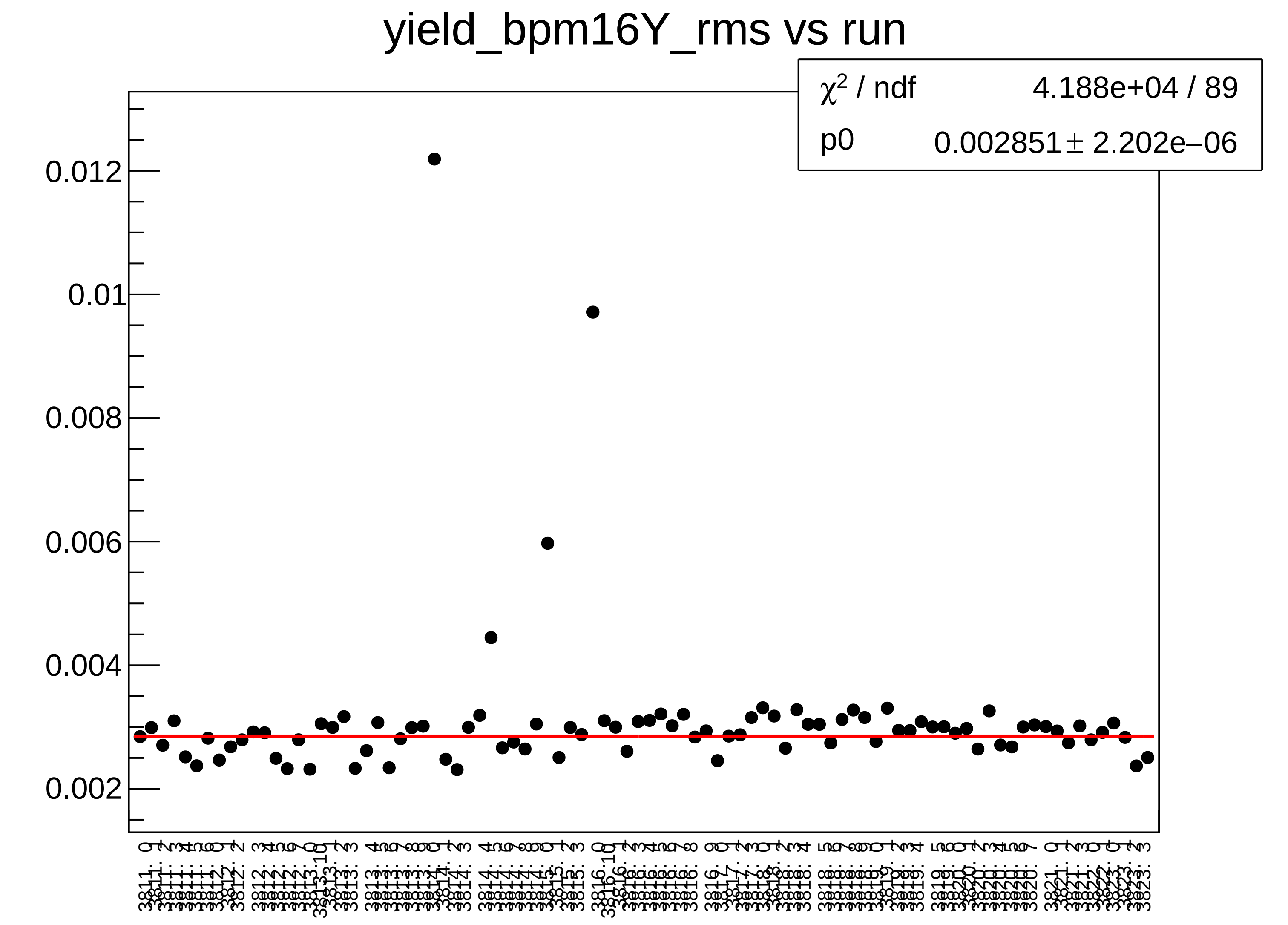

yield_bpm12Y_rms vs run
χ^2 / ndf 1.331e+05 / 89
p0 0.006398 ± 5.083e−06
0.03
0.025
0.02
0.015
0.01
0.005


yield_bpm16X_mean vs run
χ^2 / ndf 3.21e+05 / 89
p0 −0.2689 ± 5.595e−06
−0.14
−0.16
−0.18
−0.2
−0.22
−0.24
−0.26
−0.28
pull
Entries 90
Mean −26.55
Std Dev 66.16
100
50
0
−50
−100
−150
−200
pull1D
Entries 90
Mean 2.508
Std Dev 1.431
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

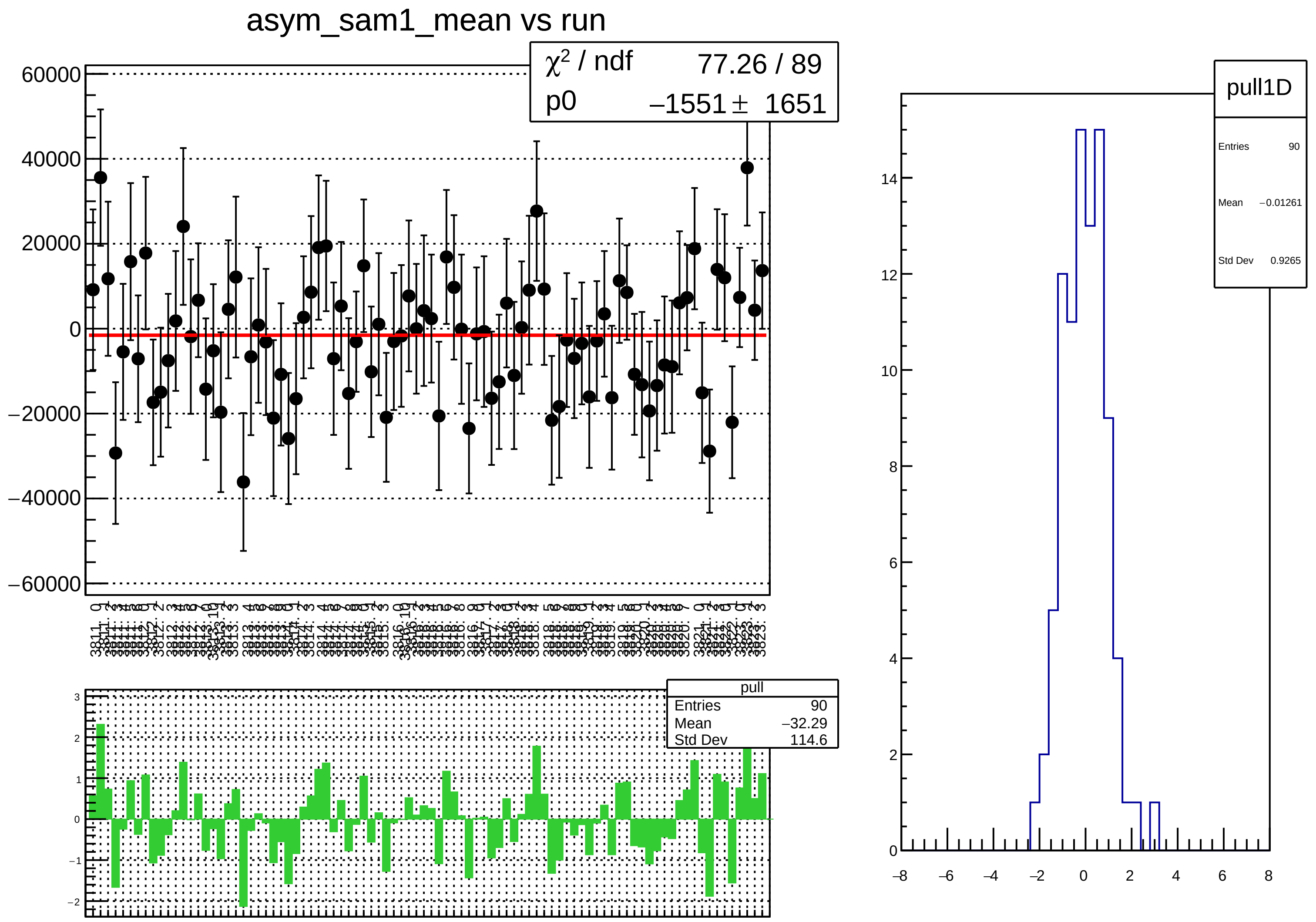

yield_bpm16X_rms vs run
χ^2 / ndf 3.302e+05 / 89
p0 0.004661 ± 3.956e−06
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02



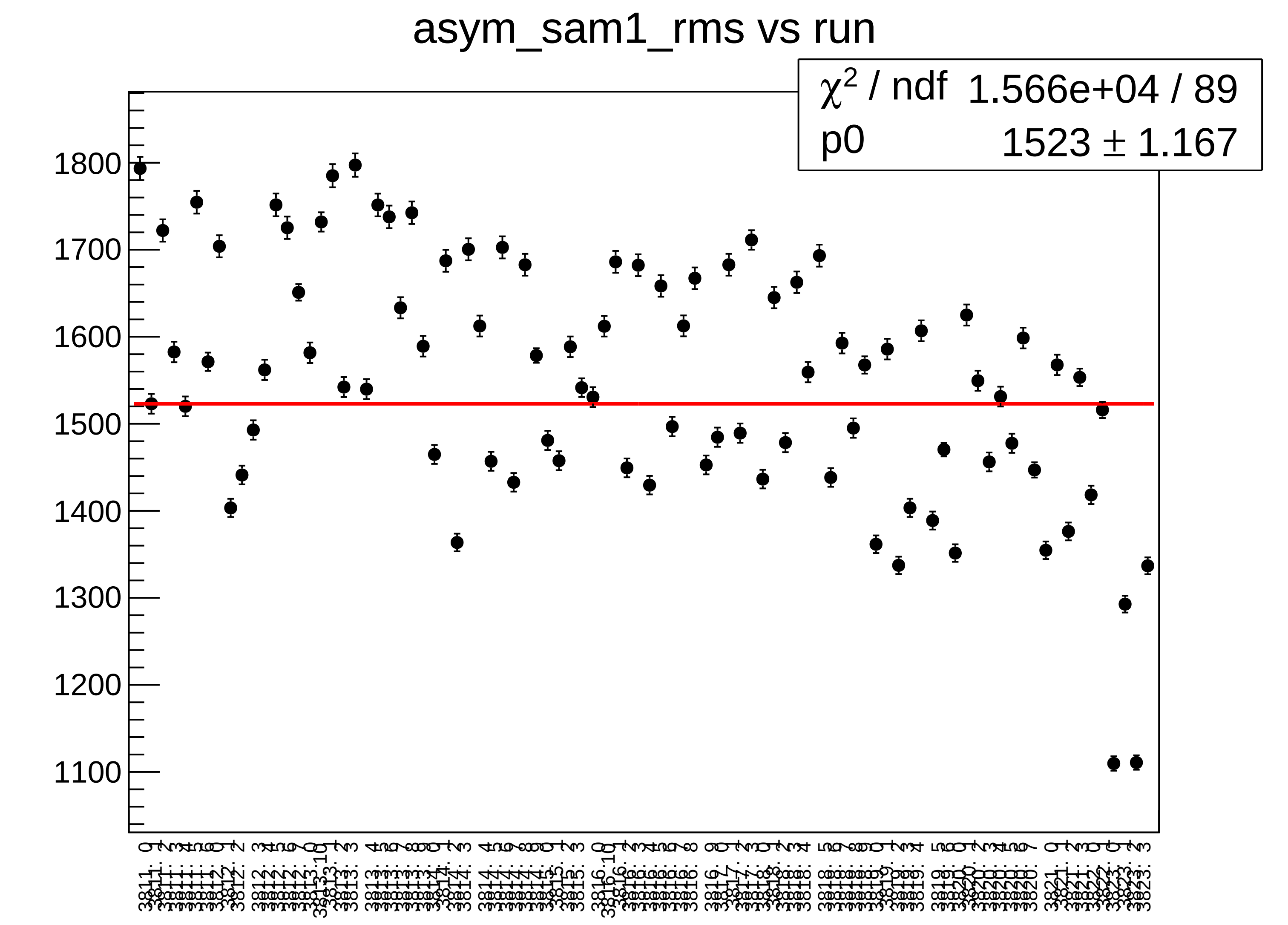
yield_bpm16Y_mean vs run
χ^2 / ndf 7.103e+05 / 89
p0 −0.2837 ± 3.115e−06
−0.278
−0.28
−0.282
−0.284
−0.286
−0.288
−0.29
pull
Entries 90
Mean 595.4
Std Dev 554.2
100
50
0
−50
−100
−150
−200
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



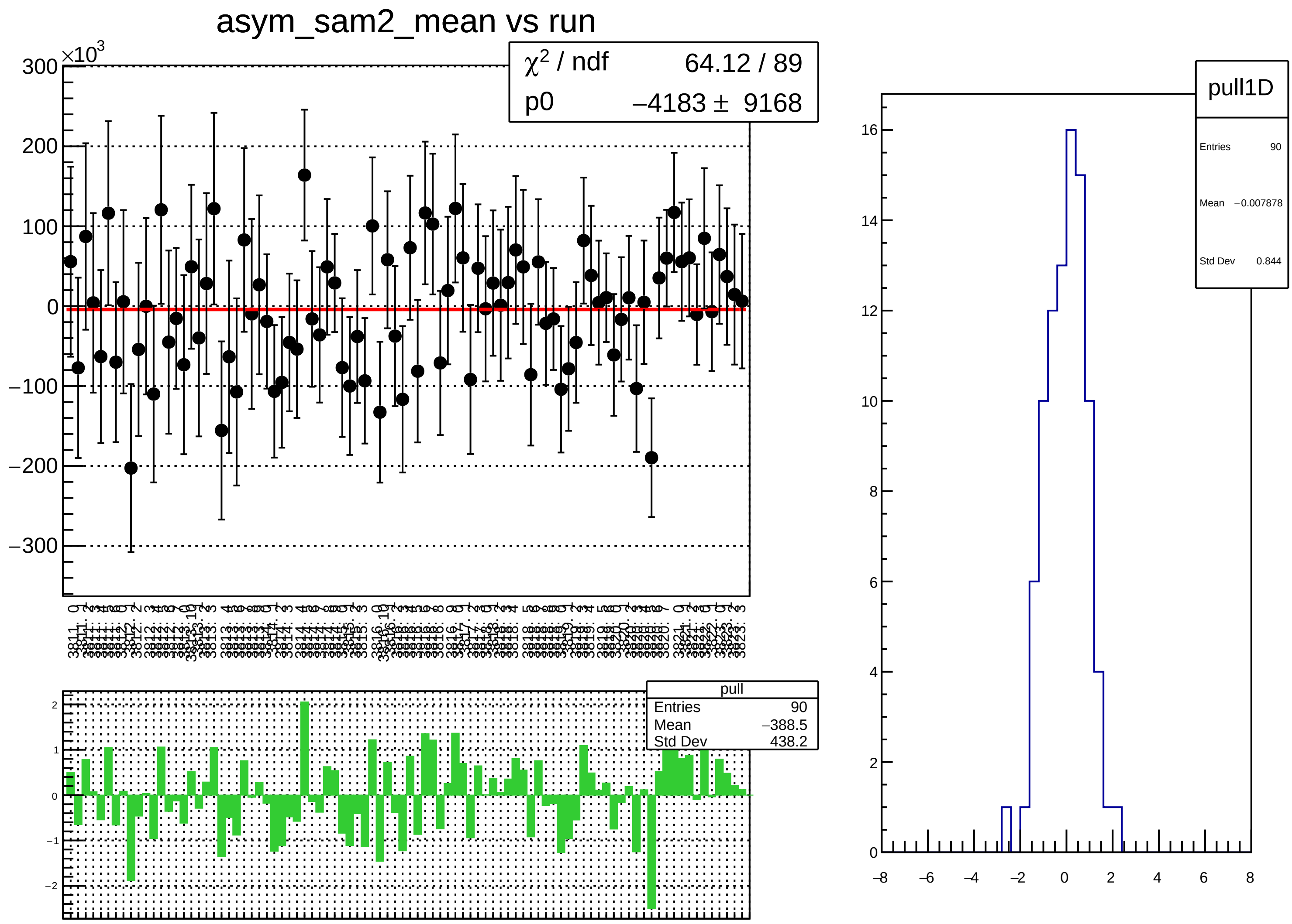
yield_bpm16Y_rms vs run
χ^2 / ndf 4.188e+04 / 89
p0 0.002851 ± 2.202e−06
0.012
0.01
0.008
0.006
0.004
0.002

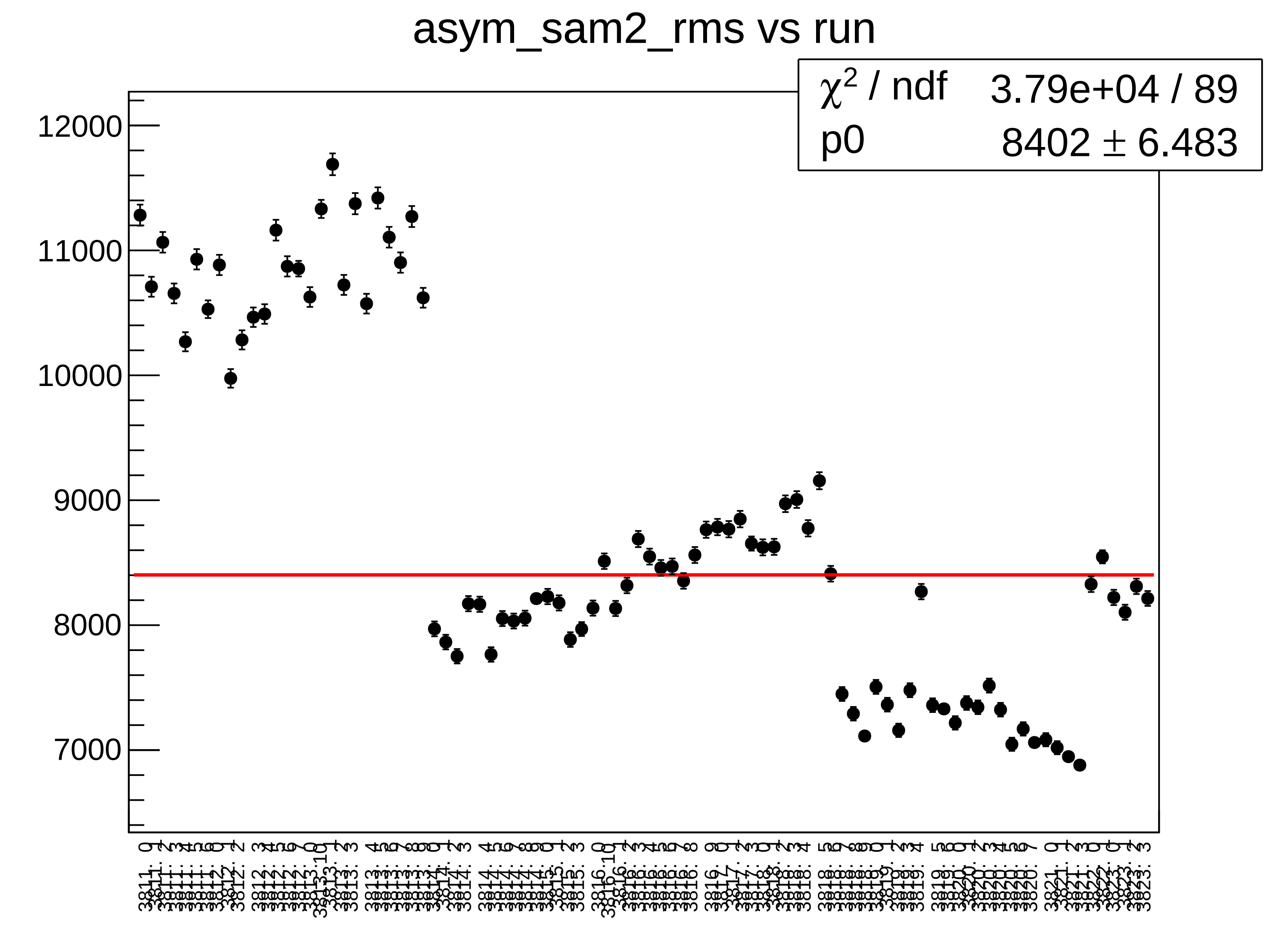


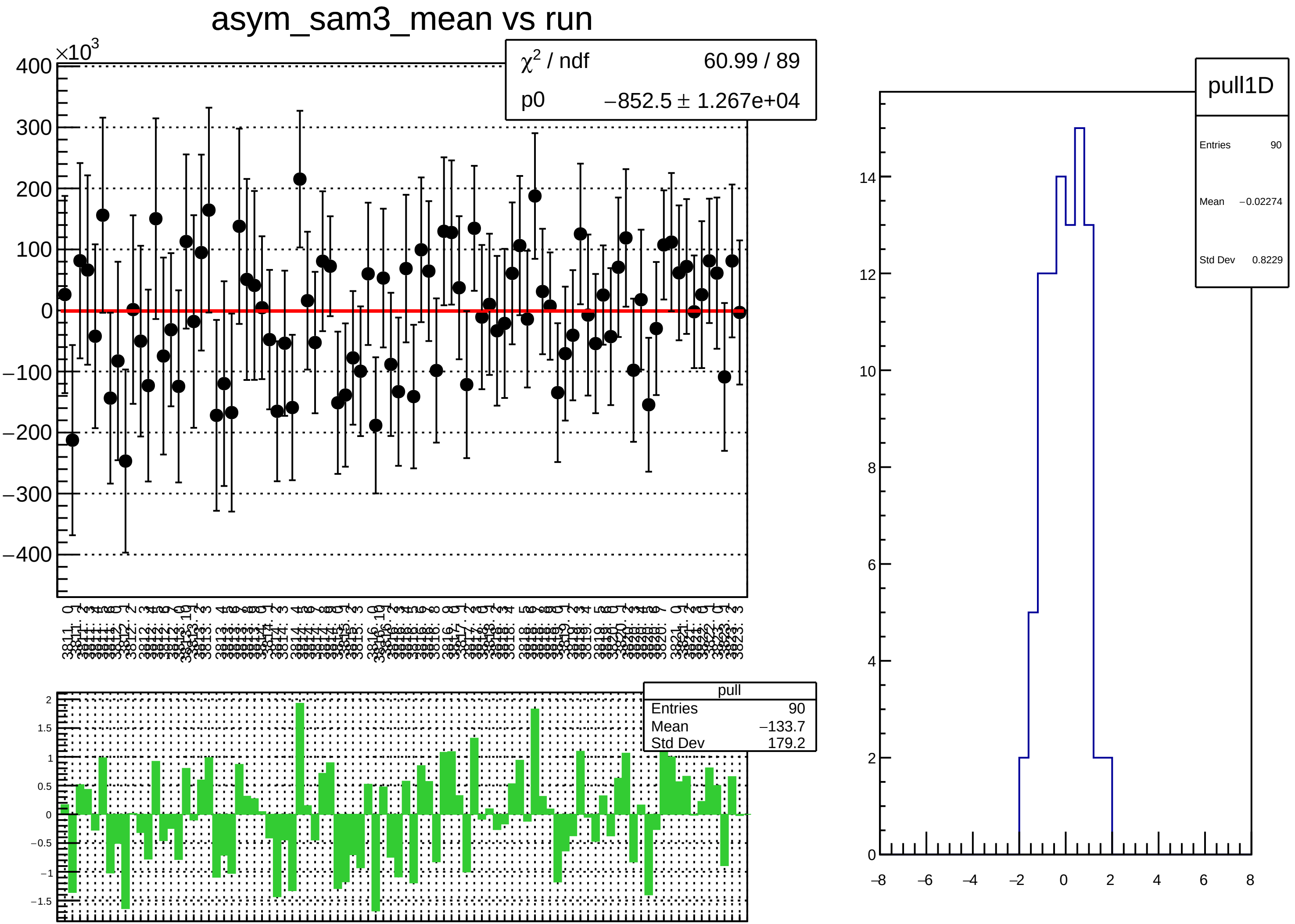
asym_sam1_mean vs run
χ2 / ndf 77.26 / 89
p0 −1551 ± 1651
pull
Entries 90
Mean −32.29
Std Dev 114.6
pull1D
Entries 90
Mean −0.01261
Std Dev 0.9265



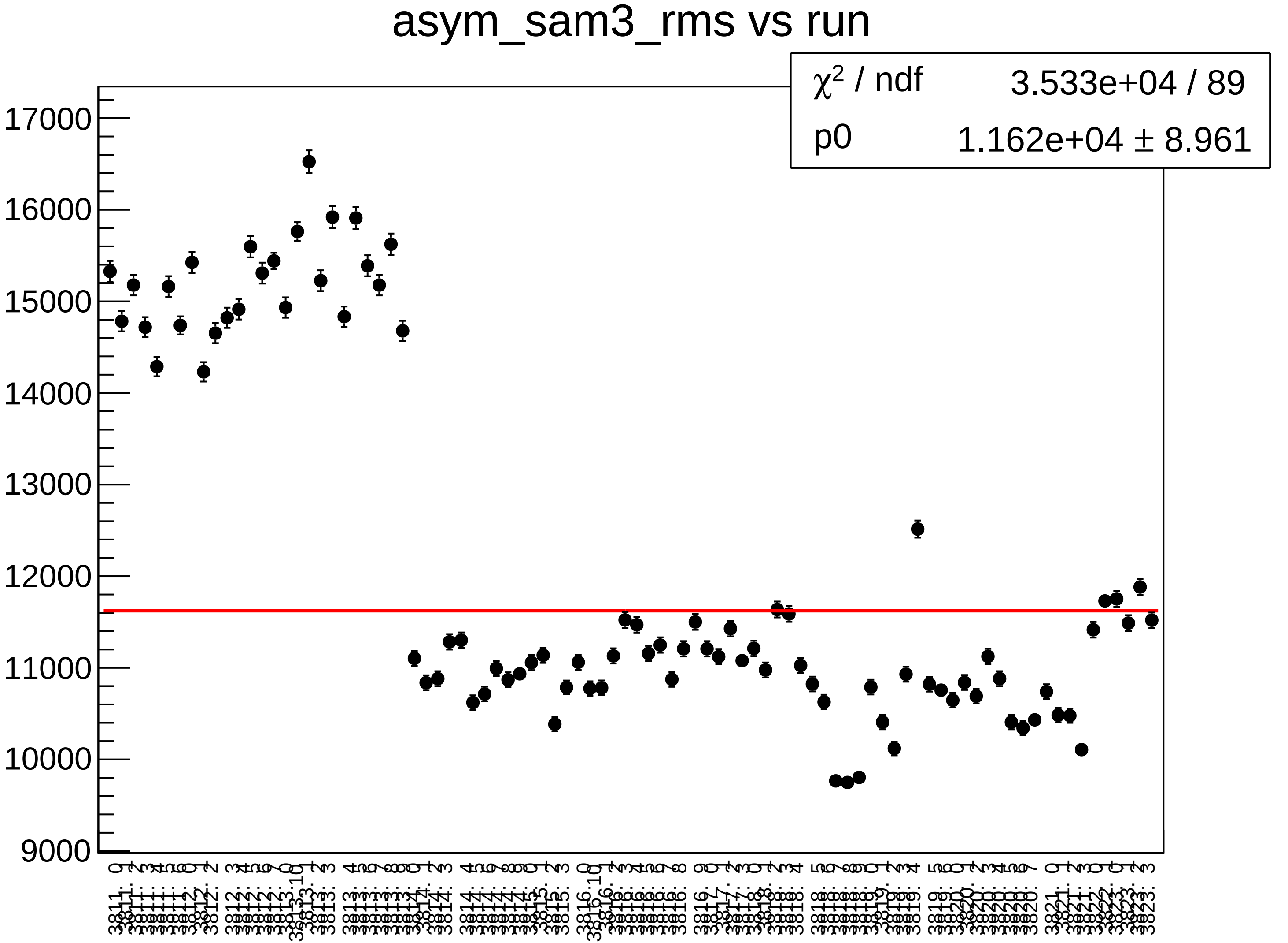
asym_sam1_rms vs run
χ2 / ndf 1.566e+04 / 89
p0 1523 ± 1.167
1800
1700
1600
1500
1400
1300
1200
1100


asym_sam2_mean vs run
χ^2 / ndf 64.12 / 89
p0 −4183 ± 9168
pull
Entries 90
Mean −388.5
Std Dev 438.2
pull1D
Entries 90
Mean −0.007878
Std Dev 0.844

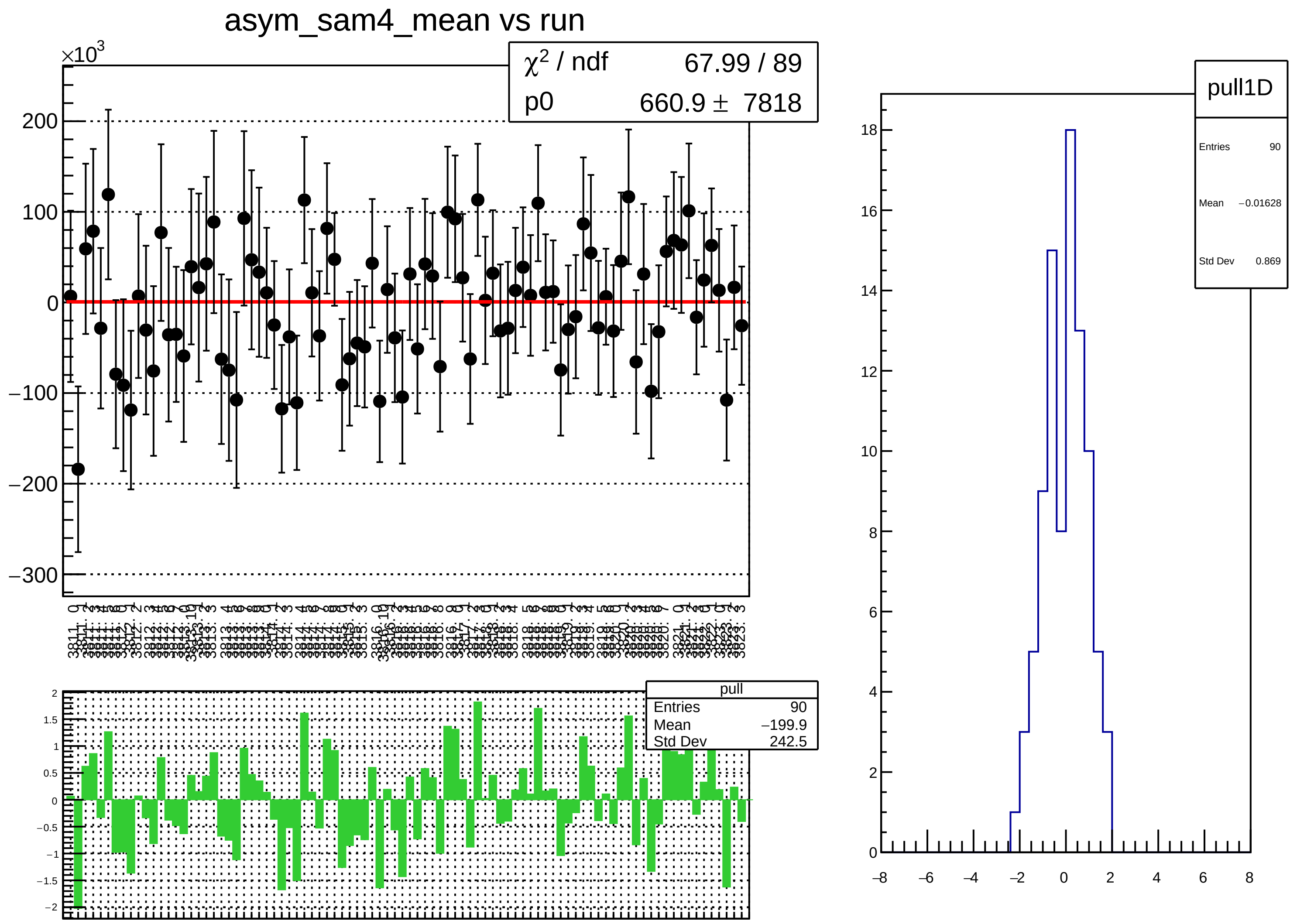

asym_sam2_rms vs run
χ2 / ndf 3.79e+04 / 89
p0 8402 ± 6.483
12000
11000
10000
9000
8000
7000



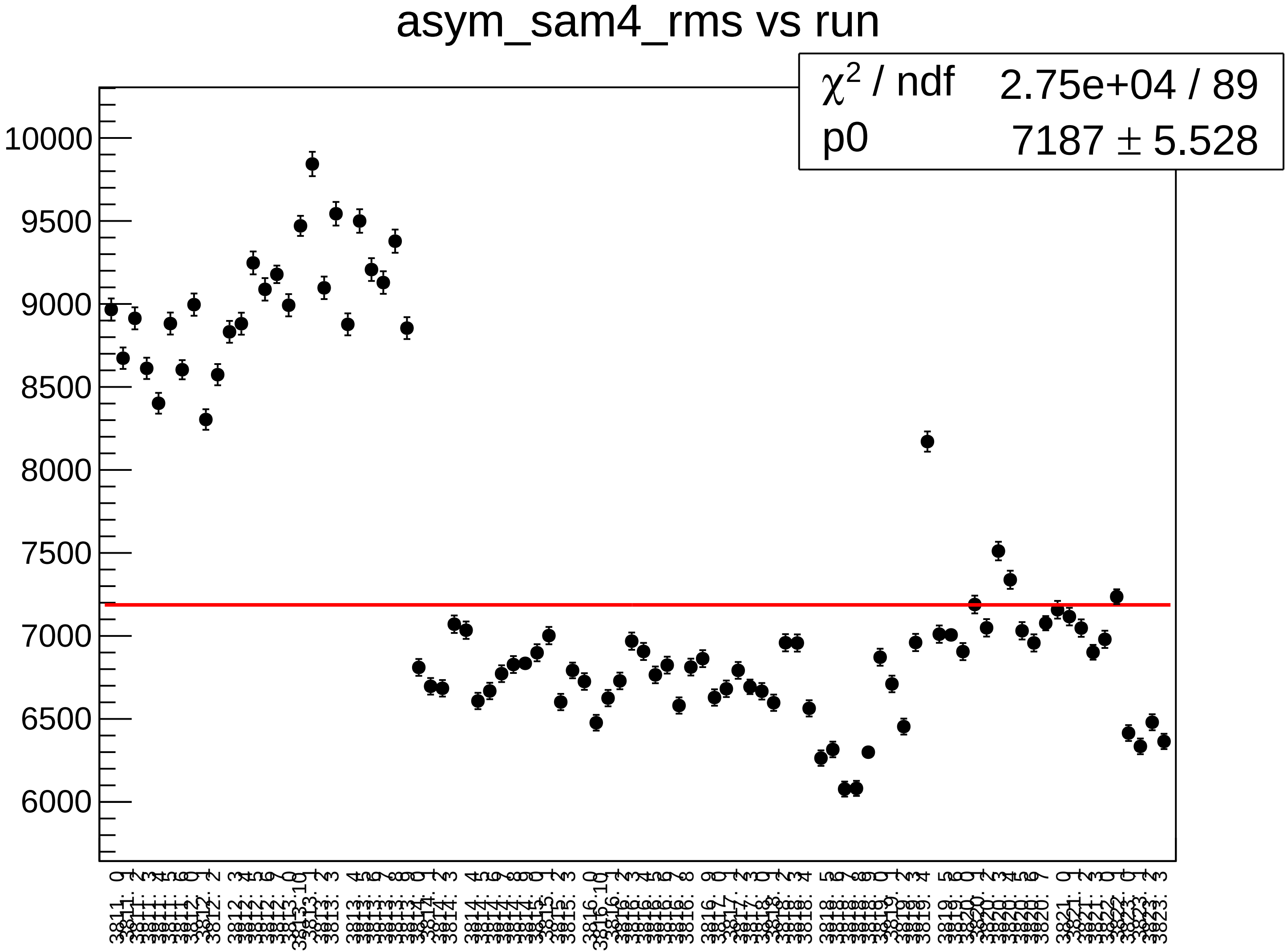
asym_sam3_mean vs run
χ^2 / ndf 60.99 / 89
p0 −852.5 ± 1.267e+04
×10^3
pull
Entries 90
Mean −133.7
Std Dev 179.2
pull1D
Entries 90
Mean −0.02274
Std Dev 0.8229



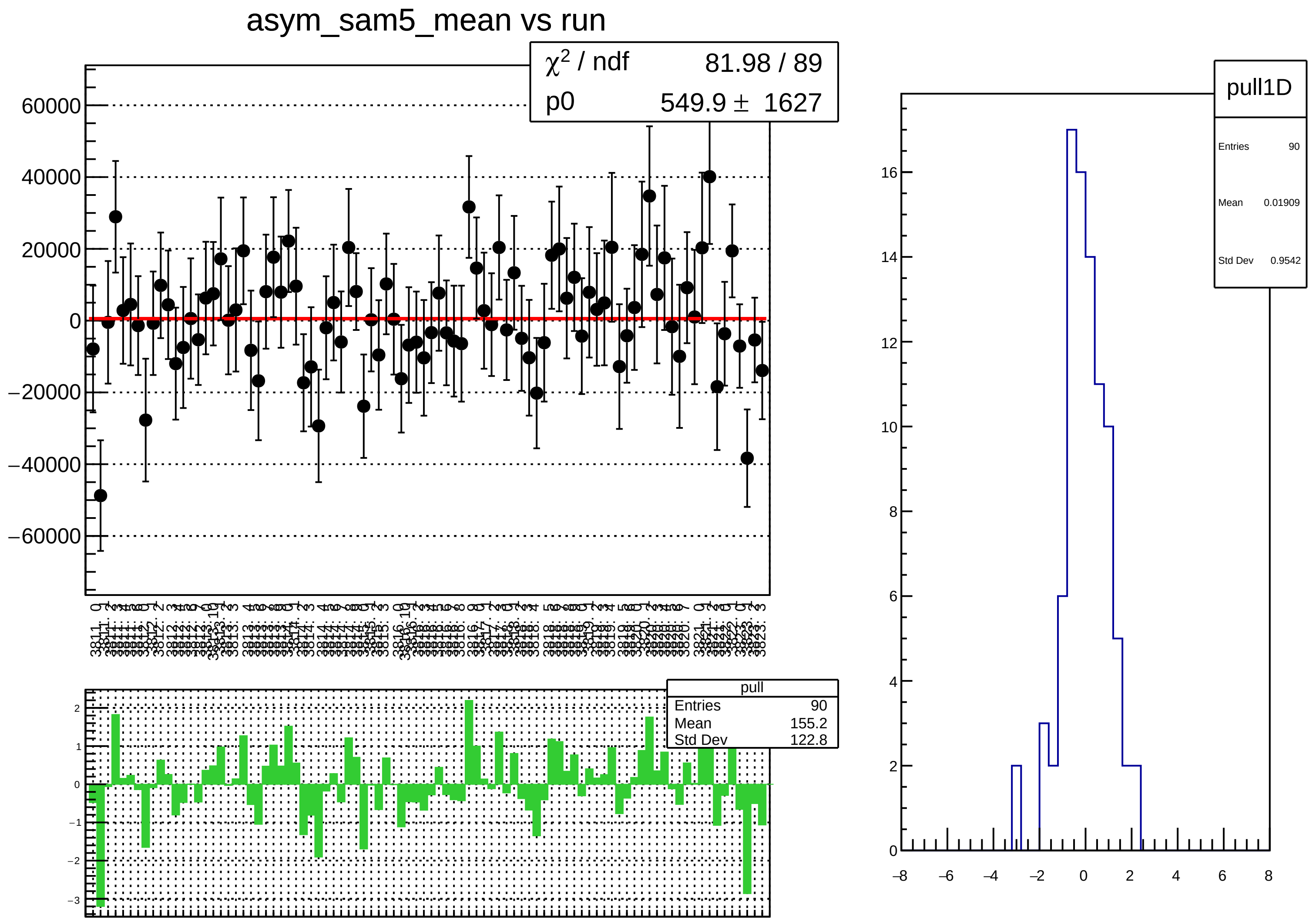
asym_sam3_rms vs run
χ^2 / ndf 3.533e+04 / 89
p0 1.162e+04 ± 8.961
17000
16000
15000
14000
13000
12000
11000
10000
9000

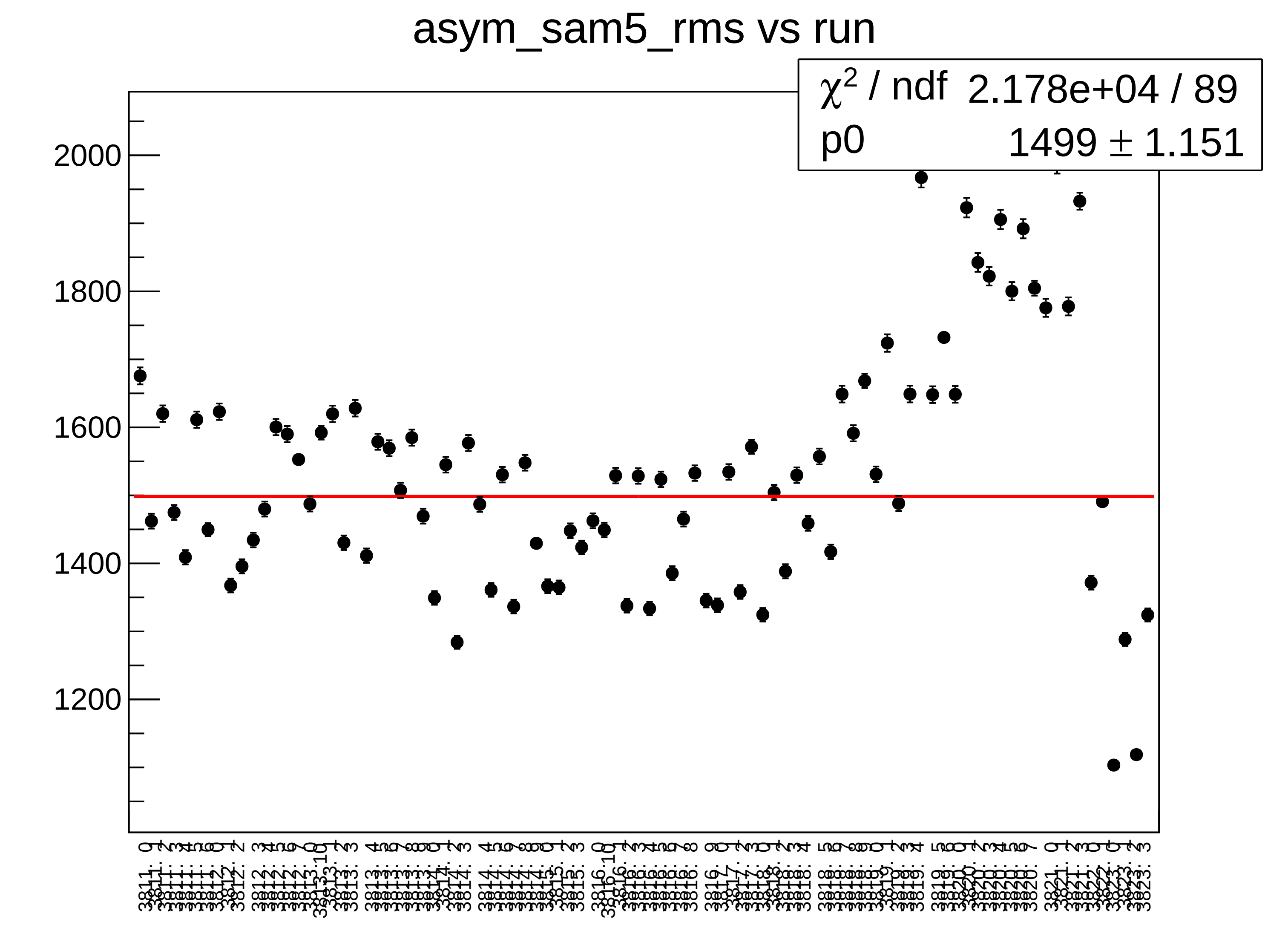


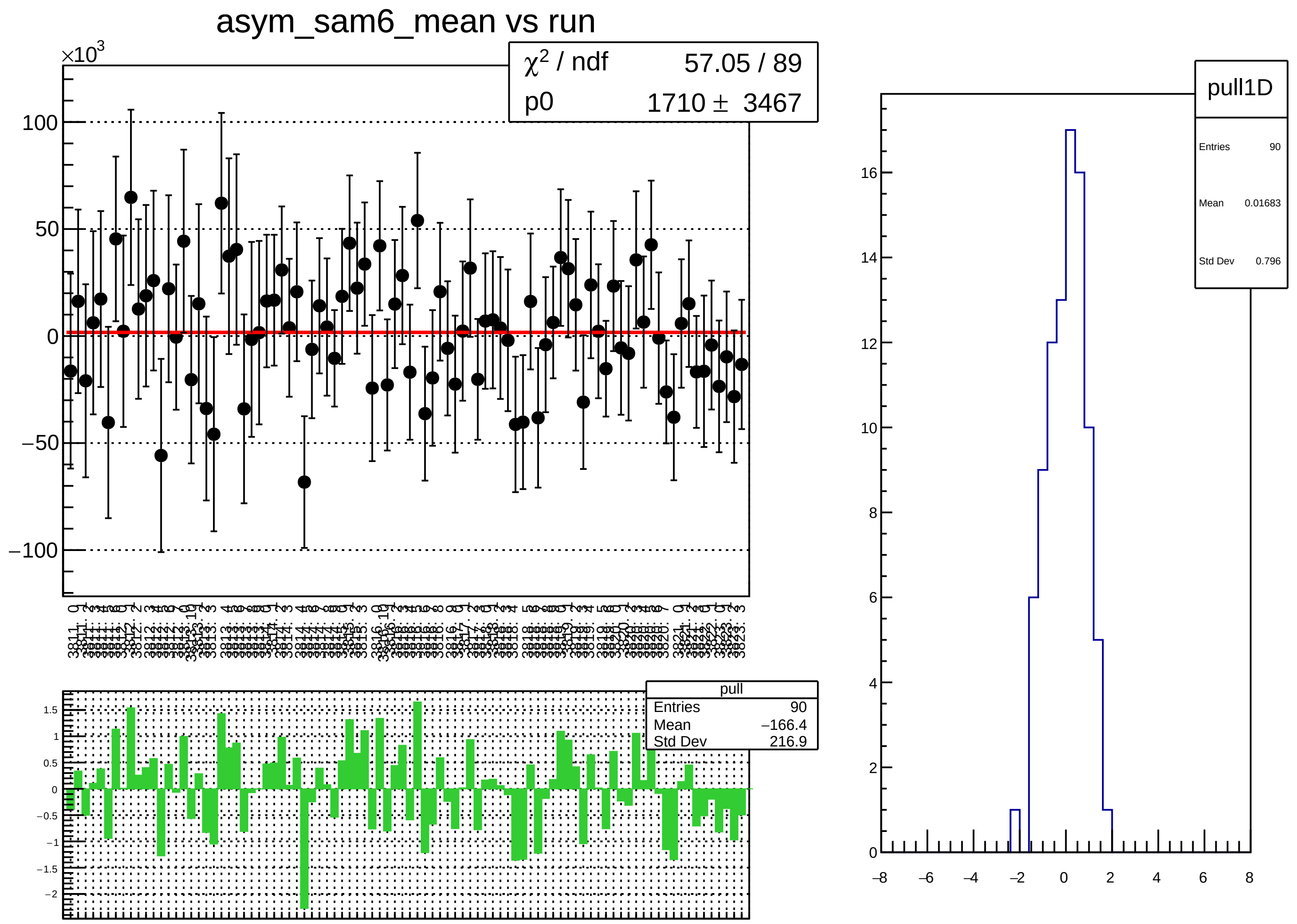
asym_sam4_mean vs run
$\times 10^3$
χ^2 / ndf 67.99 / 89
p0 660.9 ± 7818
pull
Entries 90
Mean −199.9
Std Dev 242.5
pull1D
Entries 90
Mean −0.01628
Std Dev 0.869



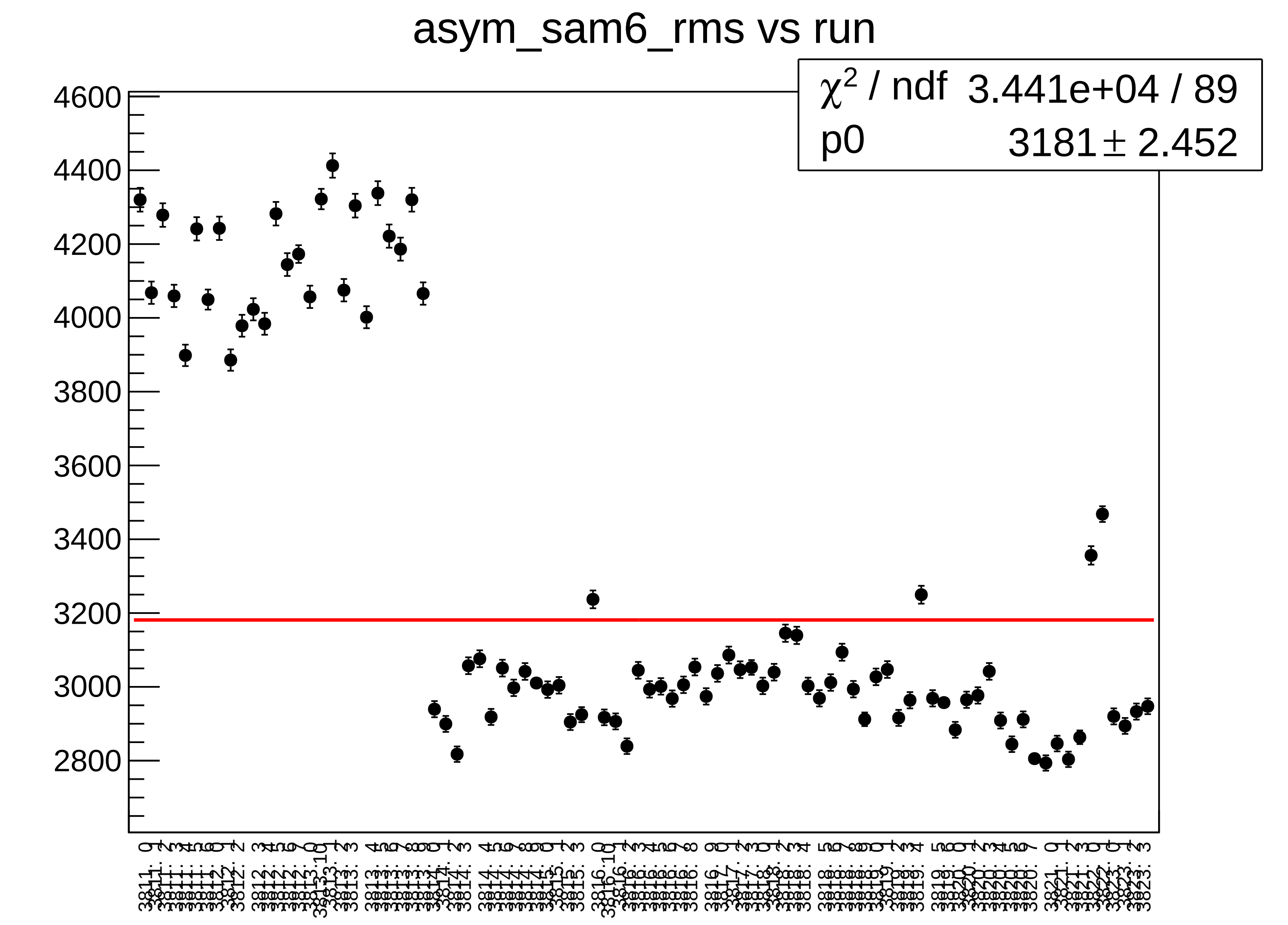
asym_sam4_rms vs run
χ^2 / ndf 2.75e+04 / 89
p0 7187 ± 5.528
10000
9500
9000
8500
8000
7500
7000
6500
6000


asym_sam5_mean vs run
χ^2 / ndf 81.98 / 89
p0 549.9 ± 1627
pull
Entries 90
Mean 155.2
Std Dev 122.8
pull1D
Entries 90
Mean 0.01909
Std Dev 0.9542

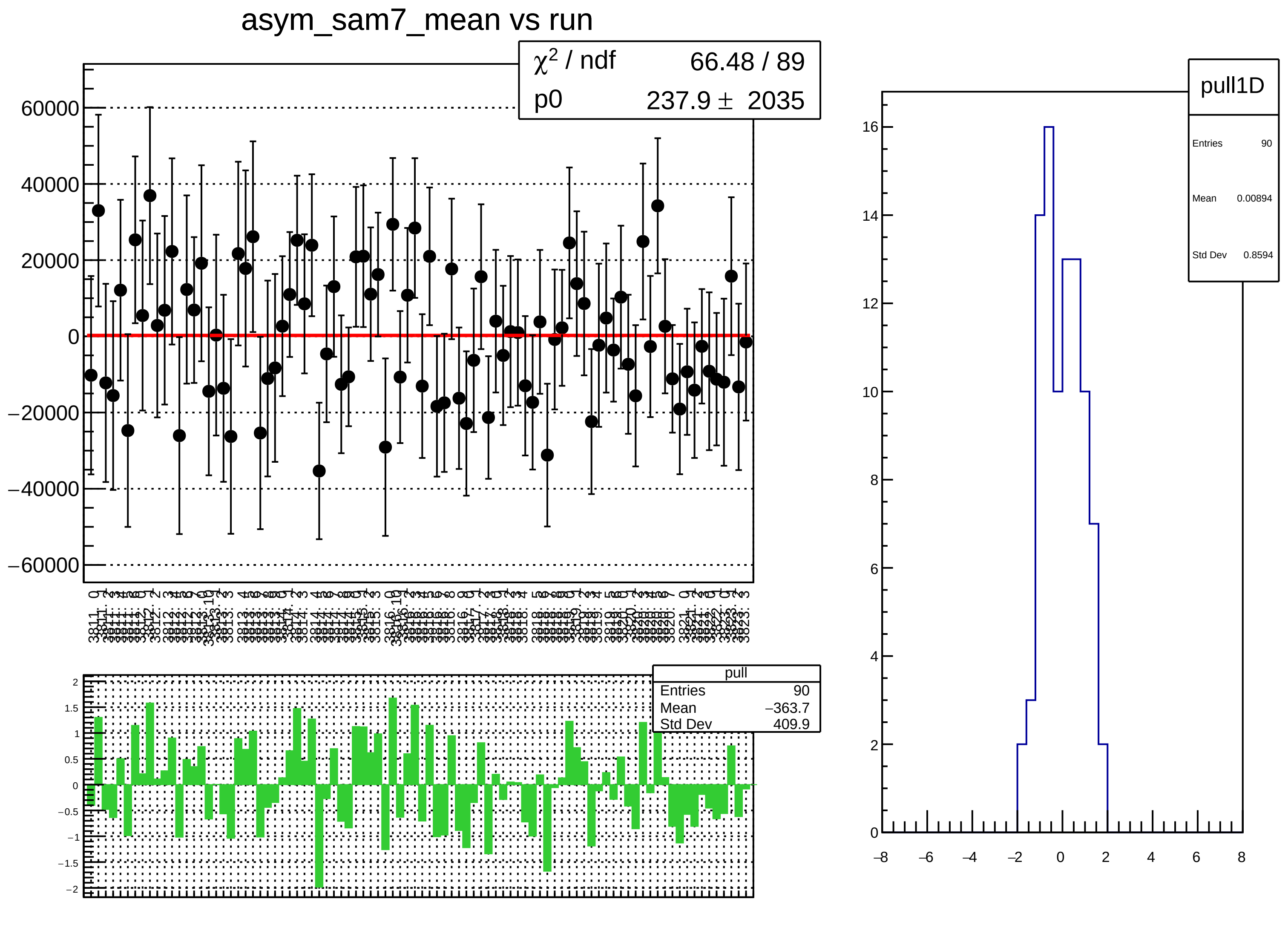




asym_sam6_mean vs run
$\times10^3$
χ^2 / ndf 57.05 / 89
p0 1710 ± 3467
100
50
0
−50
−100
pull
Entries 90
Mean −166.4
Std Dev 216.9
pull1D
Entries 90
Mean 0.01683
Std Dev 0.796

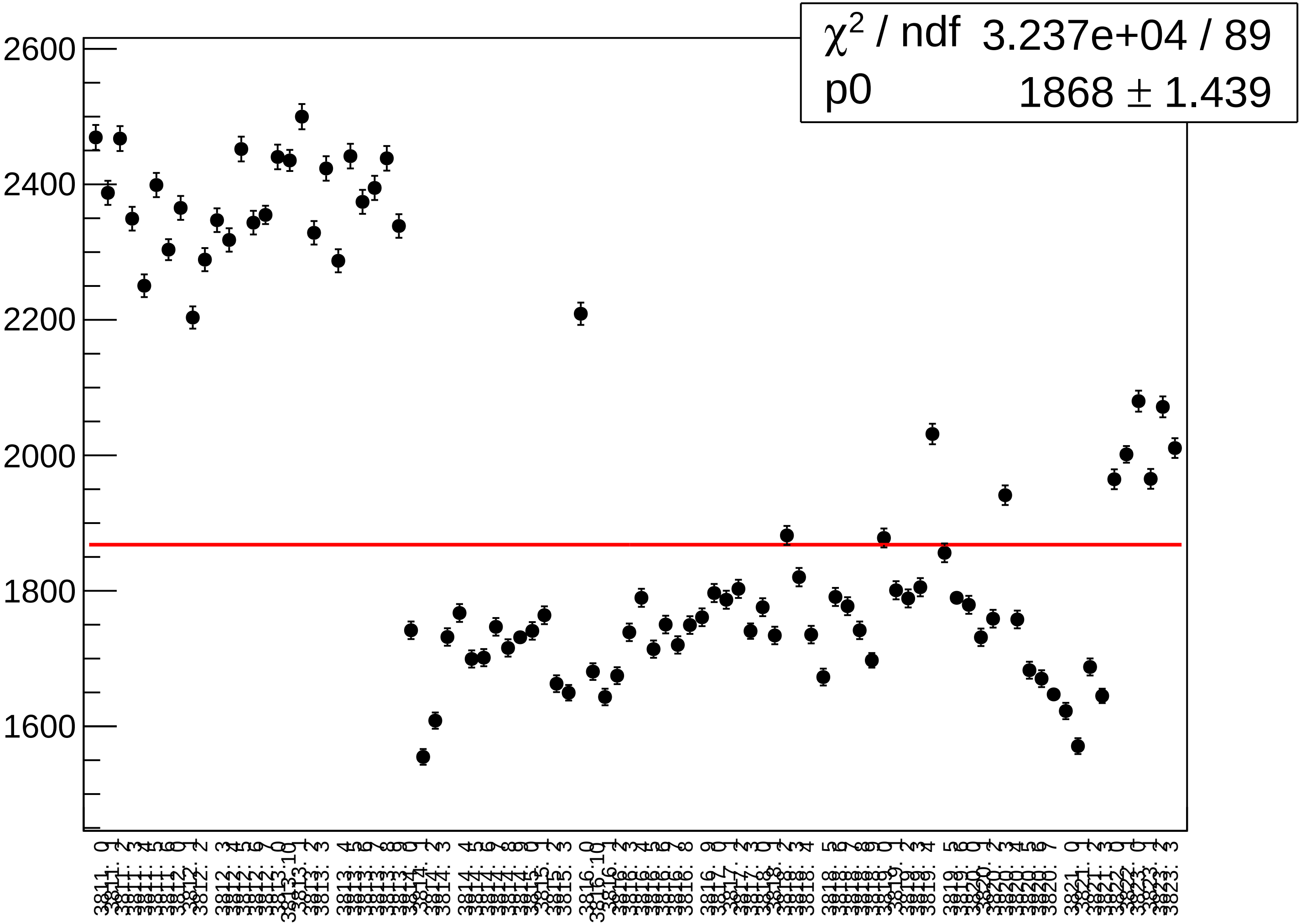


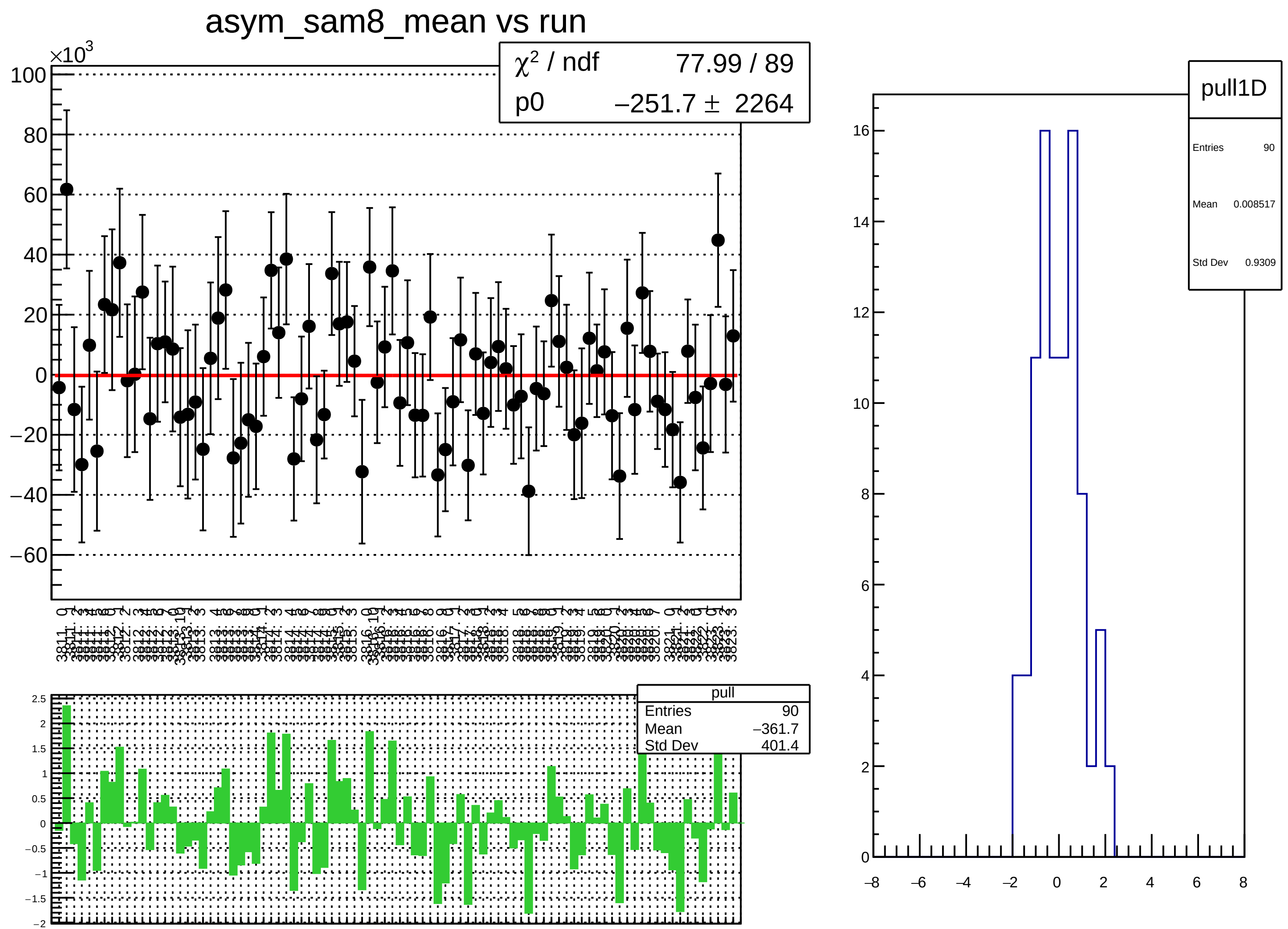
asym_sam6_rms vs run
χ2 / ndf 3.441e+04 / 89
p0 3181 ± 2.452



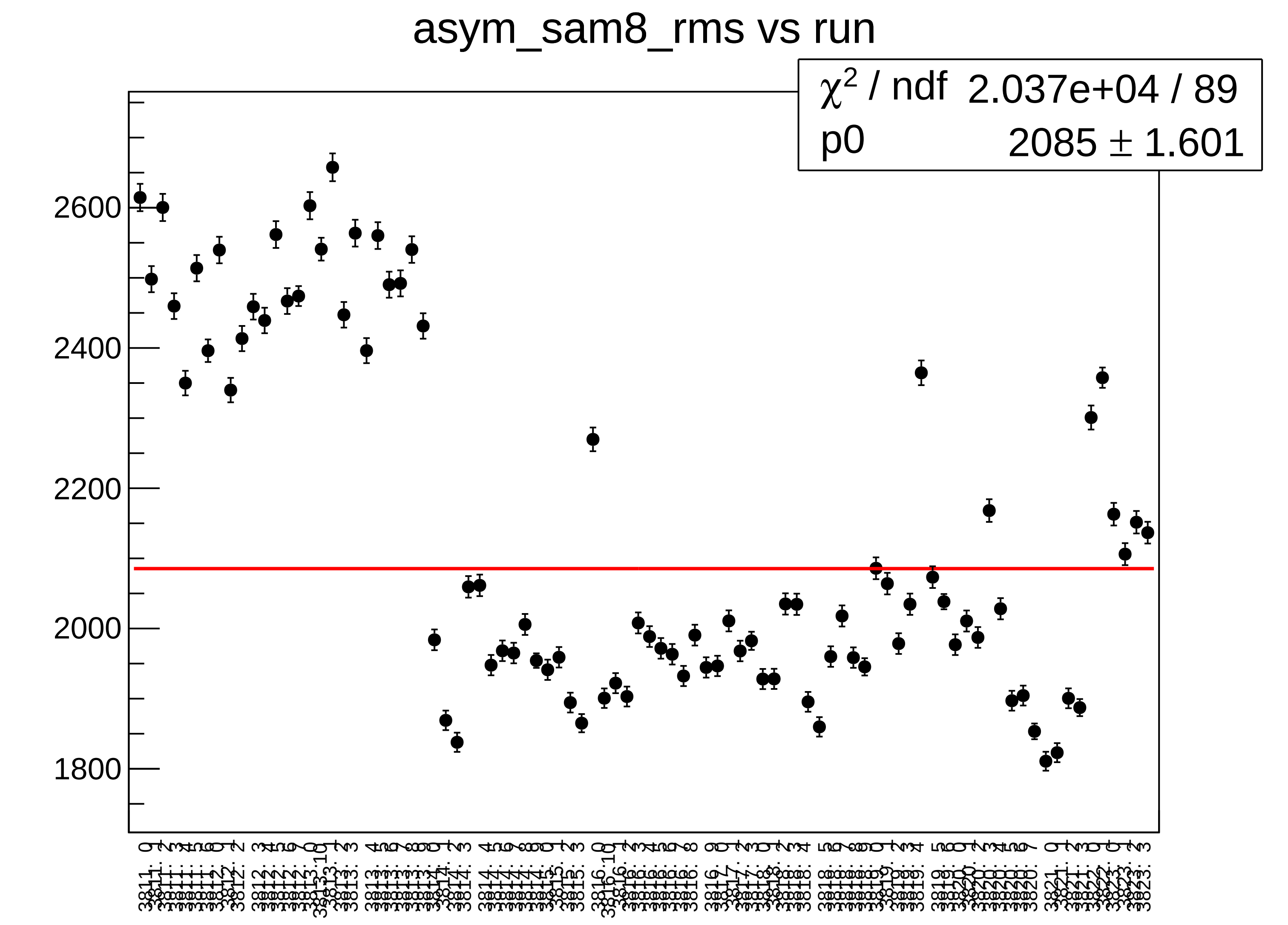
asym_sam7_mean vs run
χ^2 / ndf 66.48 / 89
p0 237.9 ± 2035
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 90
Mean −363.7
Std Dev 409.9
pull1D
Entries 90
Mean 0.00894
Std Dev 0.8594

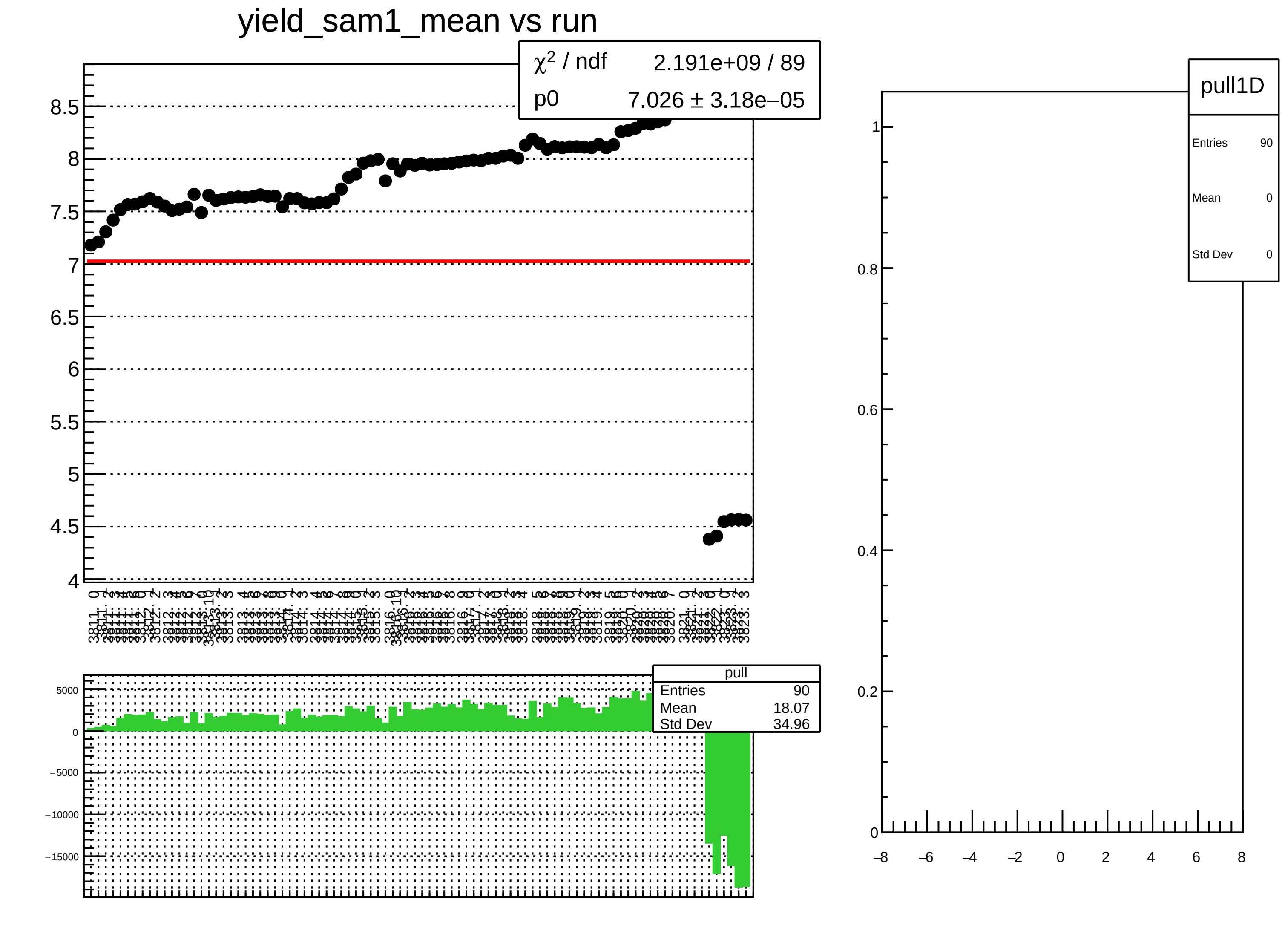
asym_sam7_rms vs run



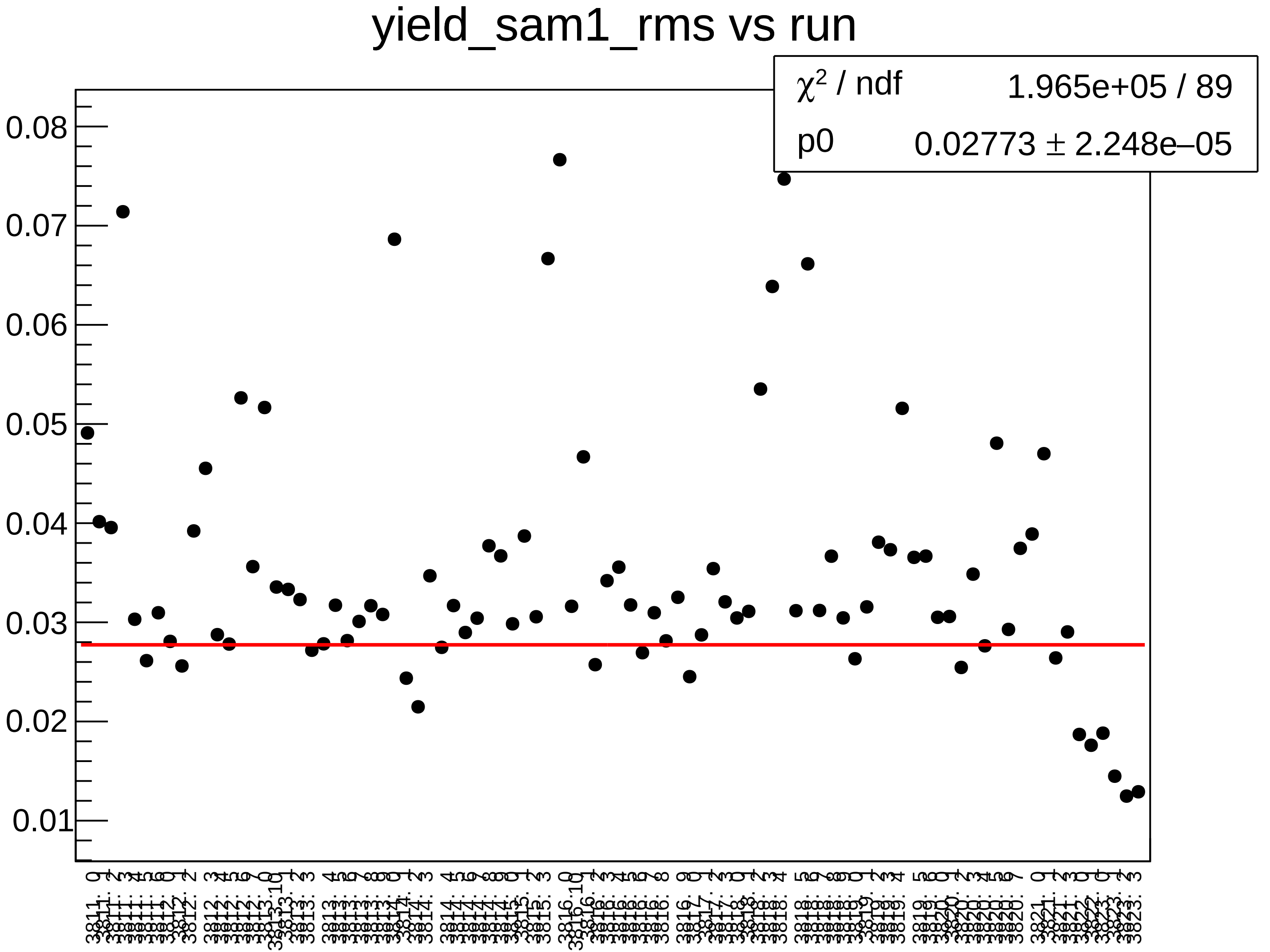


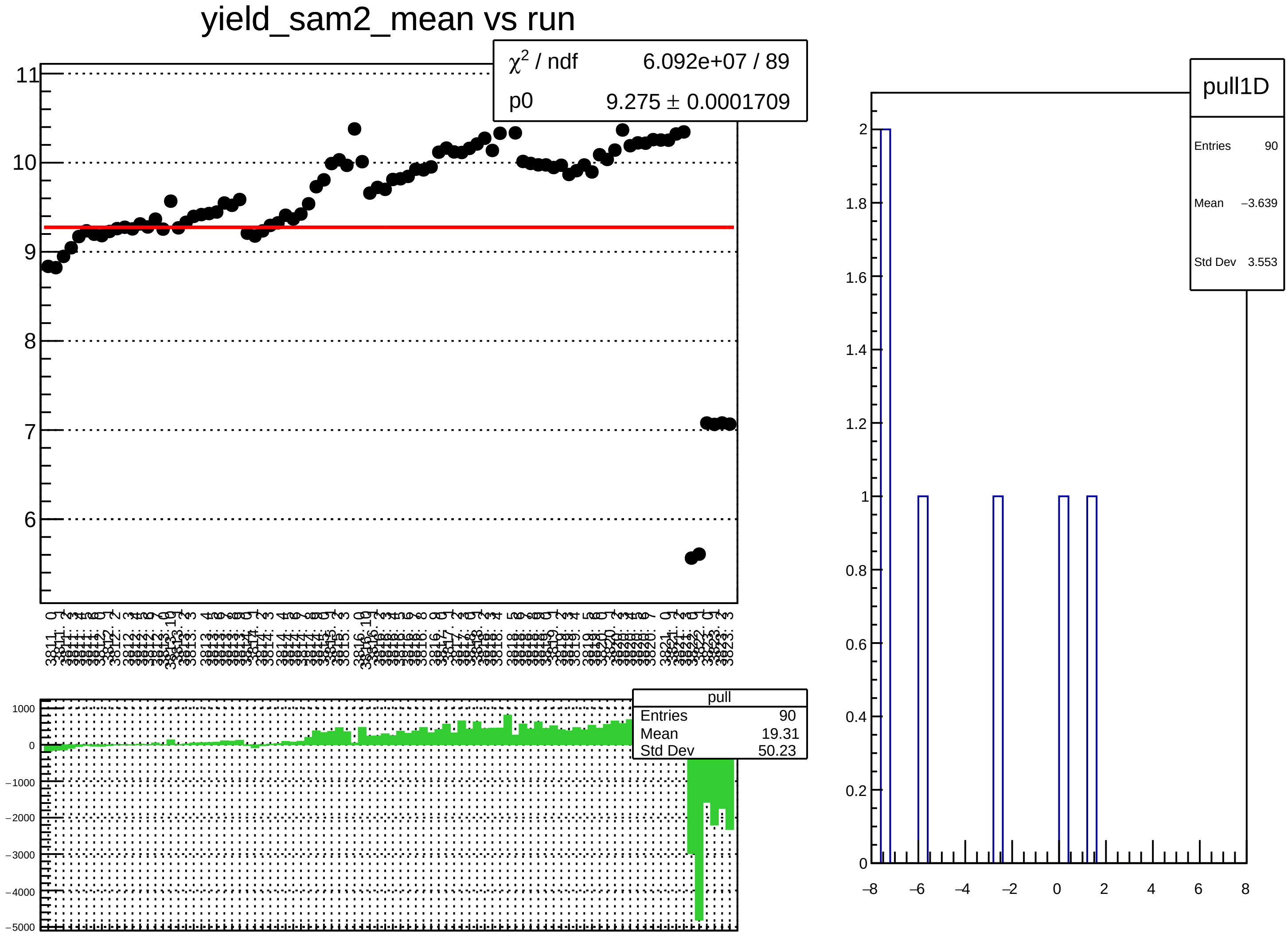
asym_sam8_mean vs run
$\times 10^3$
χ^2 / ndf 77.99 / 89
p0 −251.7 ± 2264
pull
Entries 90
Mean −361.7
Std Dev 401.4
pull1D
Entries 90
Mean 0.008517
Std Dev 0.9309

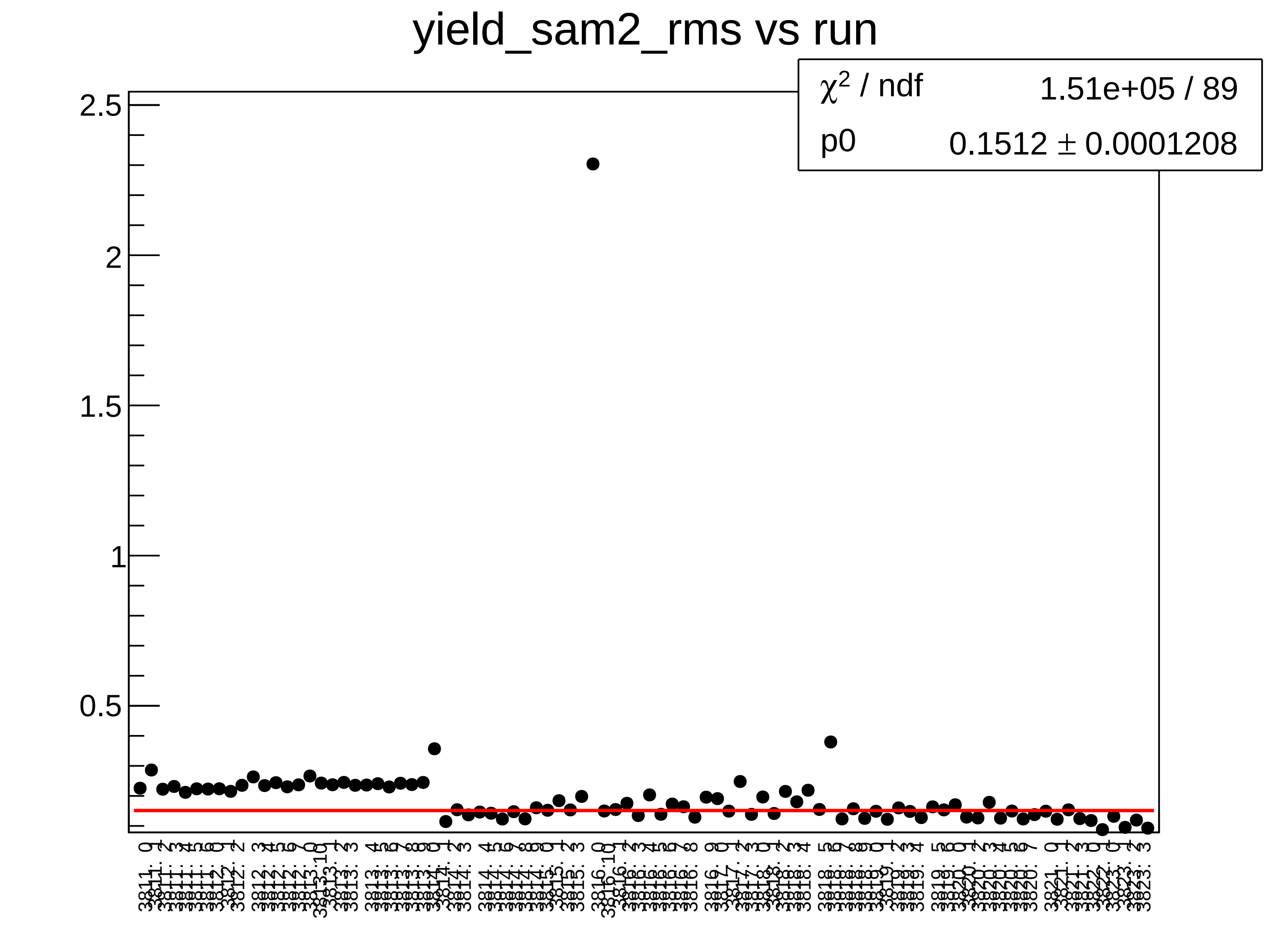

asym_sam8_rms vs run
χ^2 / ndf 2.037e+04 / 89
p0 2085 ± 1.601
2600
2400
2200
2000
1800



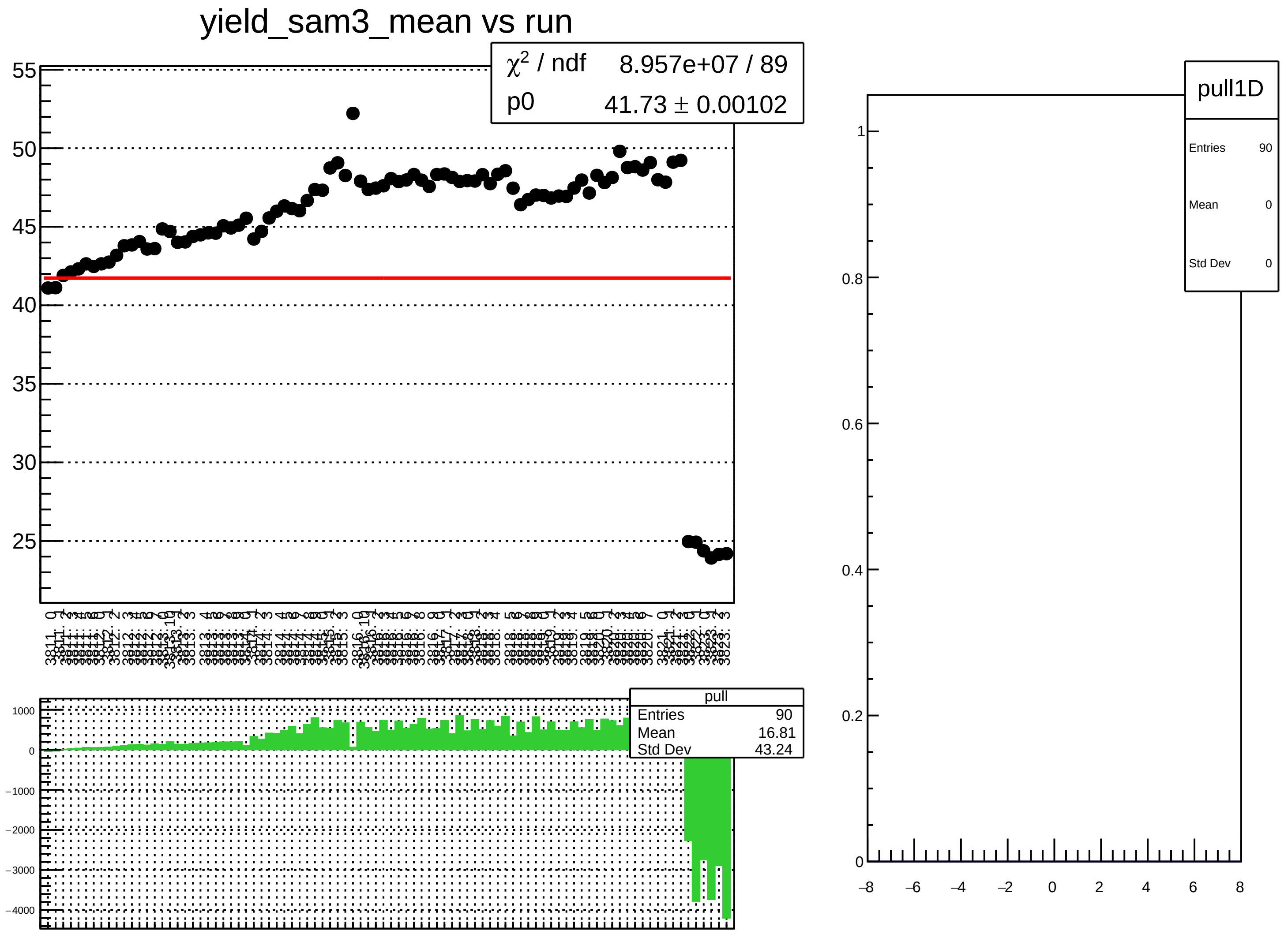
yield_sam1_mean vs run
χ^2 / ndf 2.191e+09 / 89
p0 7.026 ± 3.18e−05
pull
Entries 90
Mean 18.07
Std Dev 34.96
pull1D
Entries 90
Mean 0
Std Dev 0


yield_sam1_rms vs run
χ^2 / ndf 1.965e+05 / 89
p0 0.02773 ± 2.248e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

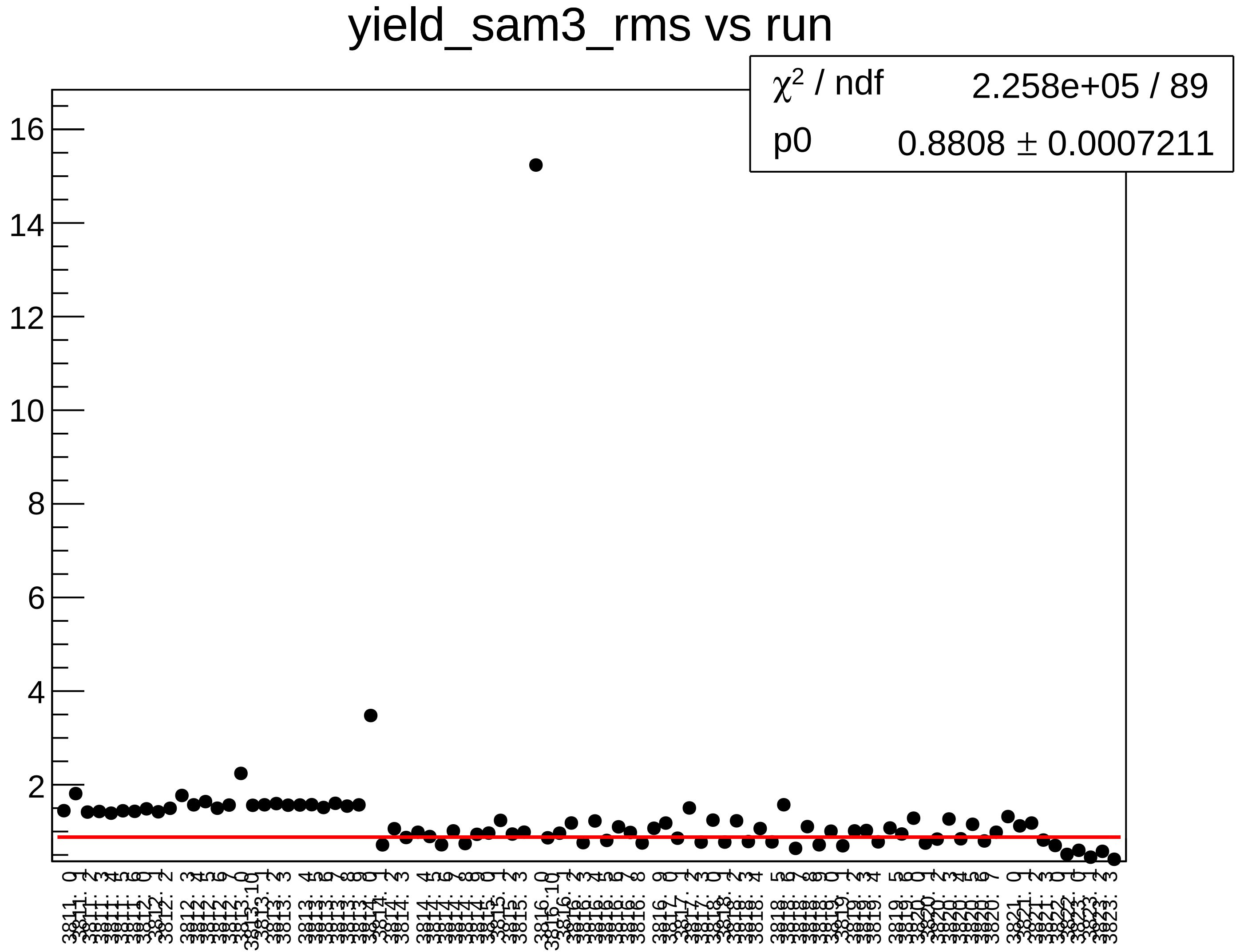

yield_sam2_mean vs run
χ^2 / ndf 6.092e+07 / 89
p0 9.275 ± 0.0001709
pull
Entries 90
Mean 19.31
Std Dev 50.23
pull1D
Entries 90
Mean −3.639
Std Dev 3.553



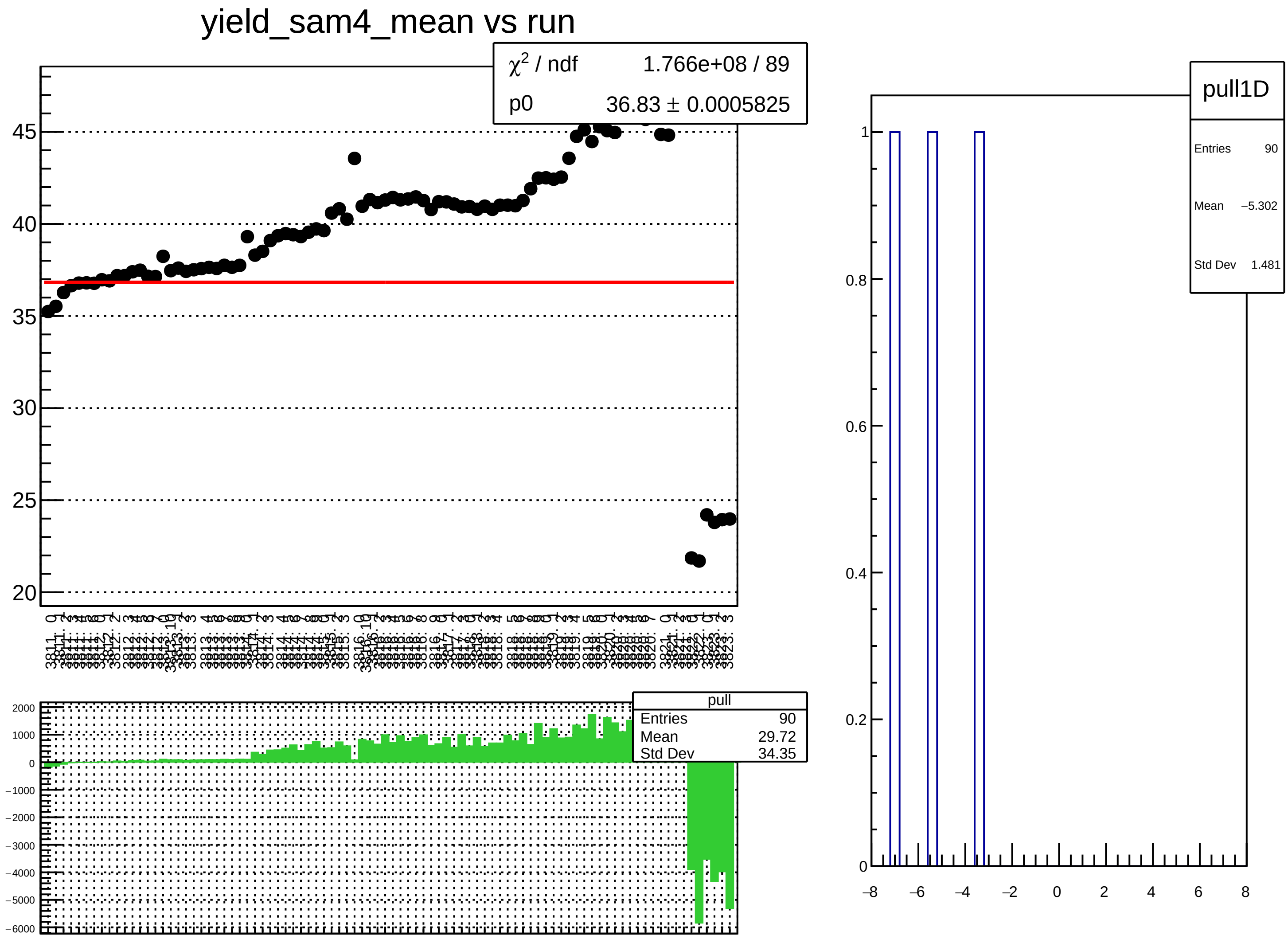
yield_sam2_rms vs run
χ2 / ndf 1.51e+05 / 89
p0 0.1512 ± 0.0001208
2.5
2
1.5
1
0.5



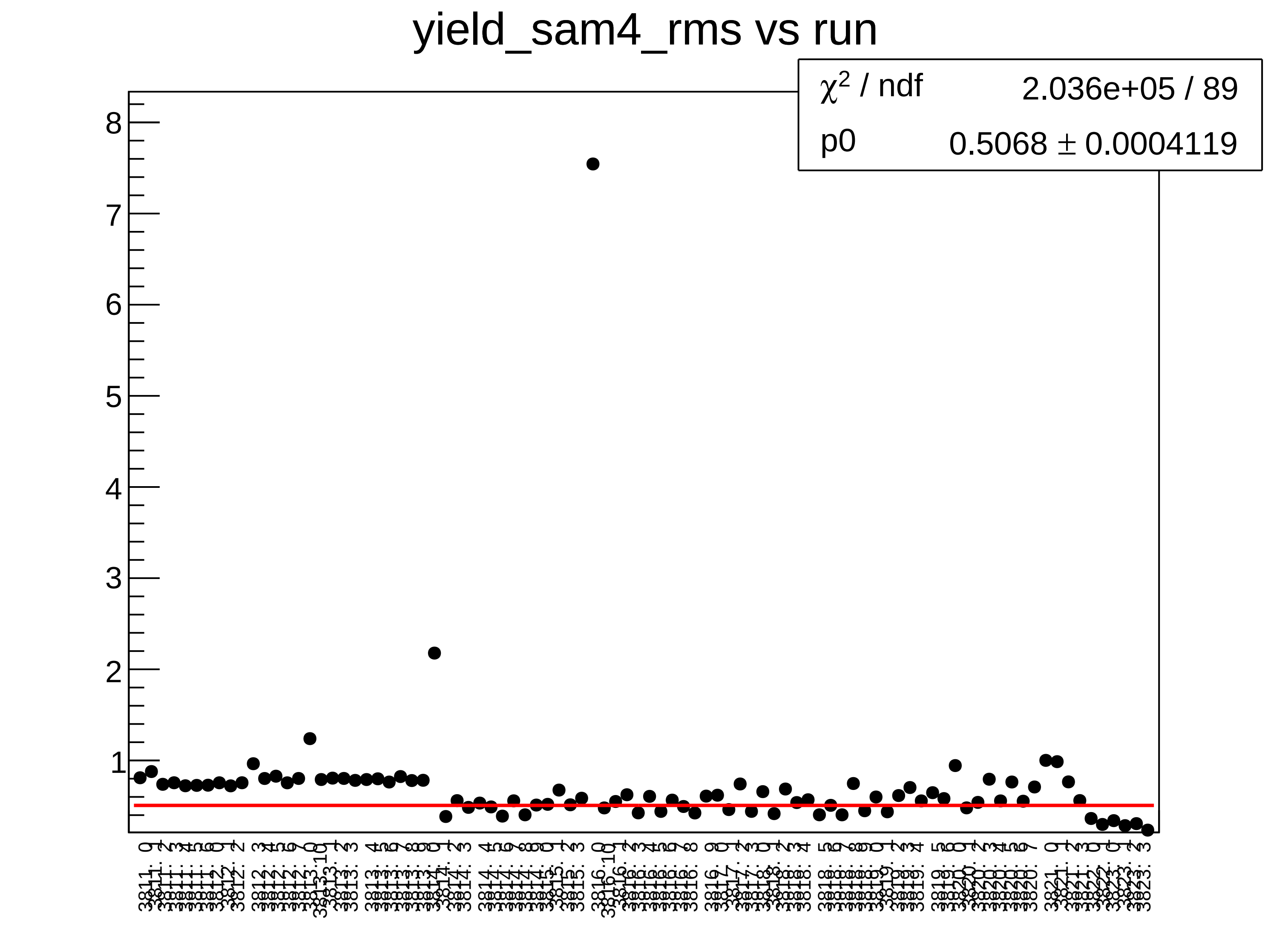
yield_sam3_mean vs run
χ² / ndf 8.957e+07 / 89
p0 41.73 ± 0.00102
pull
Entries 90
Mean 16.81
Std Dev 43.24
pull1D
Entries 90
Mean 0
Std Dev 0

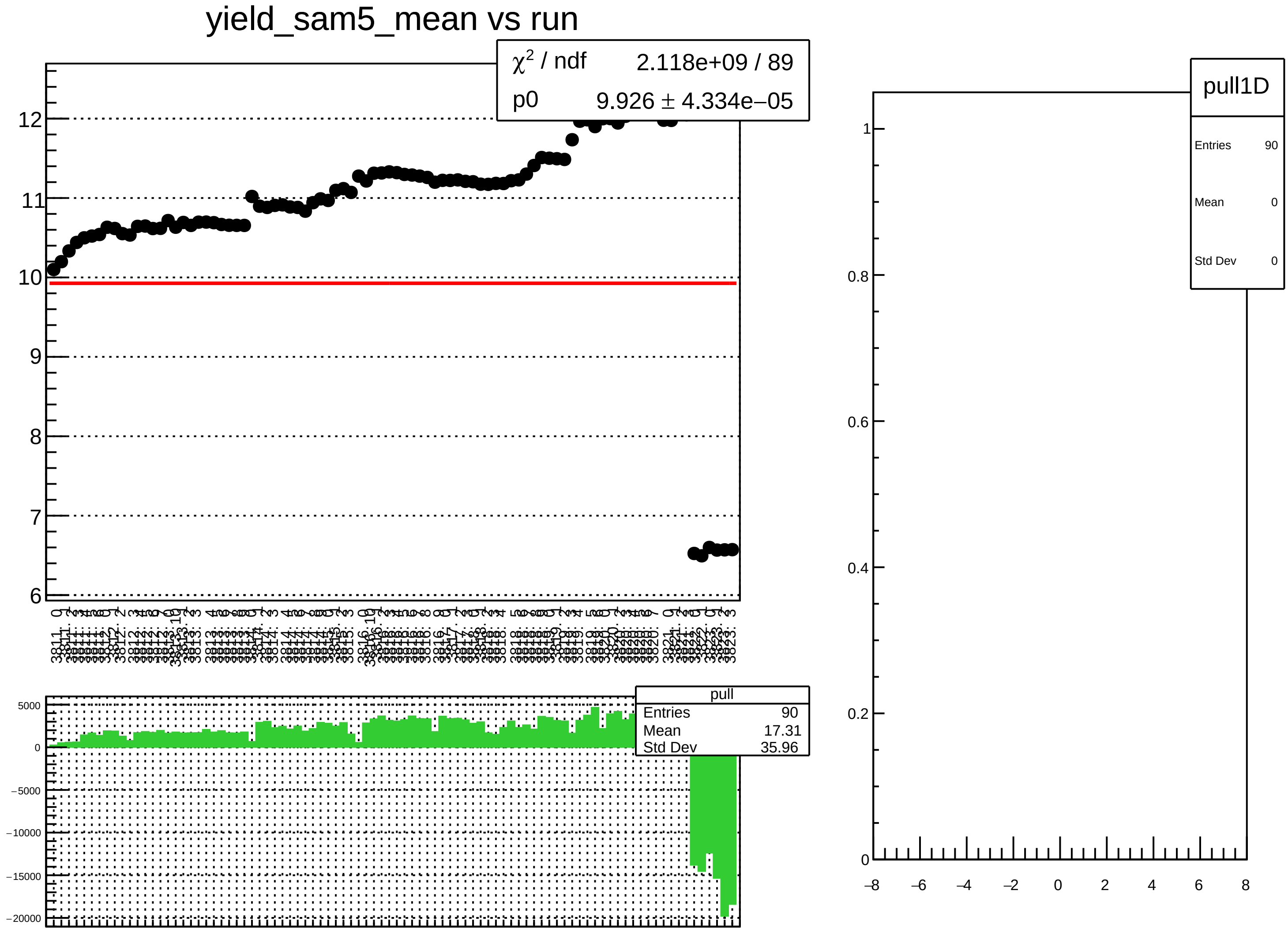


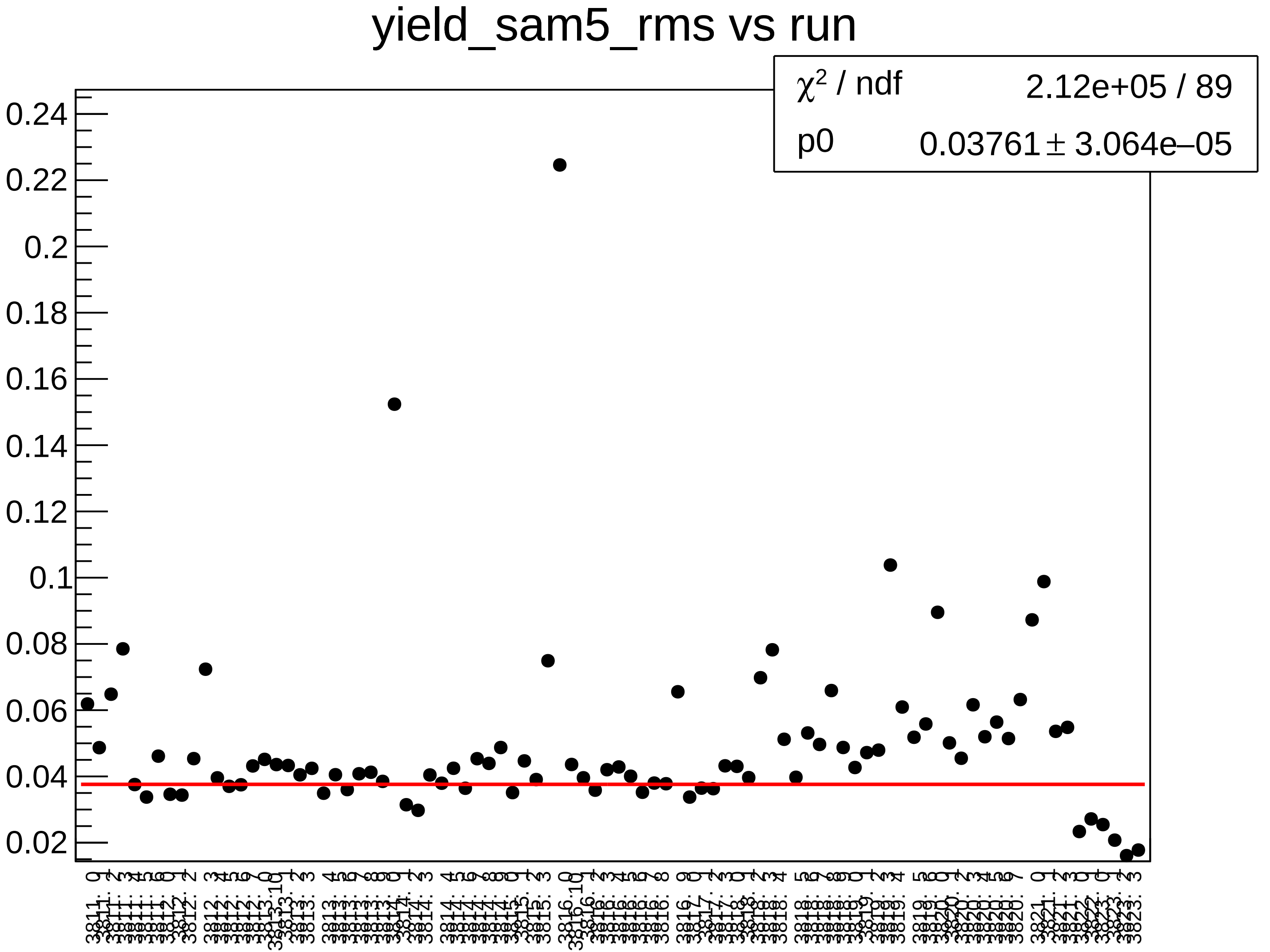
yield_sam3_rms vs run
χ^2 / ndf 2.258e+05 / 89
p0 0.8808 ± 0.0007211
16
14
12
10
8
6
4
2



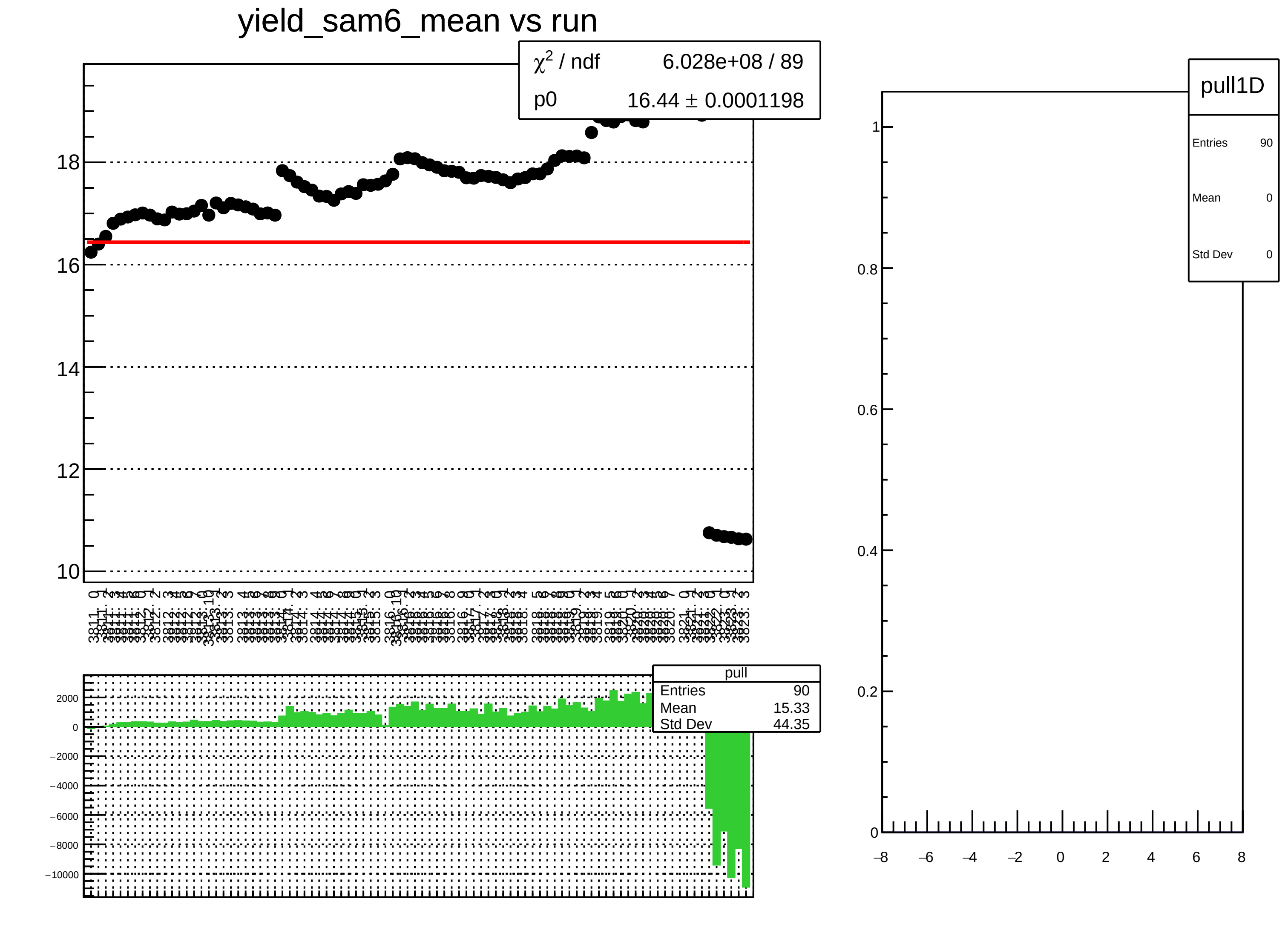
yield_sam4_mean vs run
χ^2 / ndf 1.766e+08 / 89
p0 36.83 ± 0.0005825
pull
Entries 90
Mean 29.72
Std Dev 34.35
pull1D
Entries 90
Mean −5.302
Std Dev 1.481


yield_sam4_rms vs run
χ² / ndf 2.036e+05 / 89
p0 0.5068 ± 0.0004119
8
7
6
5
4
3
2
1

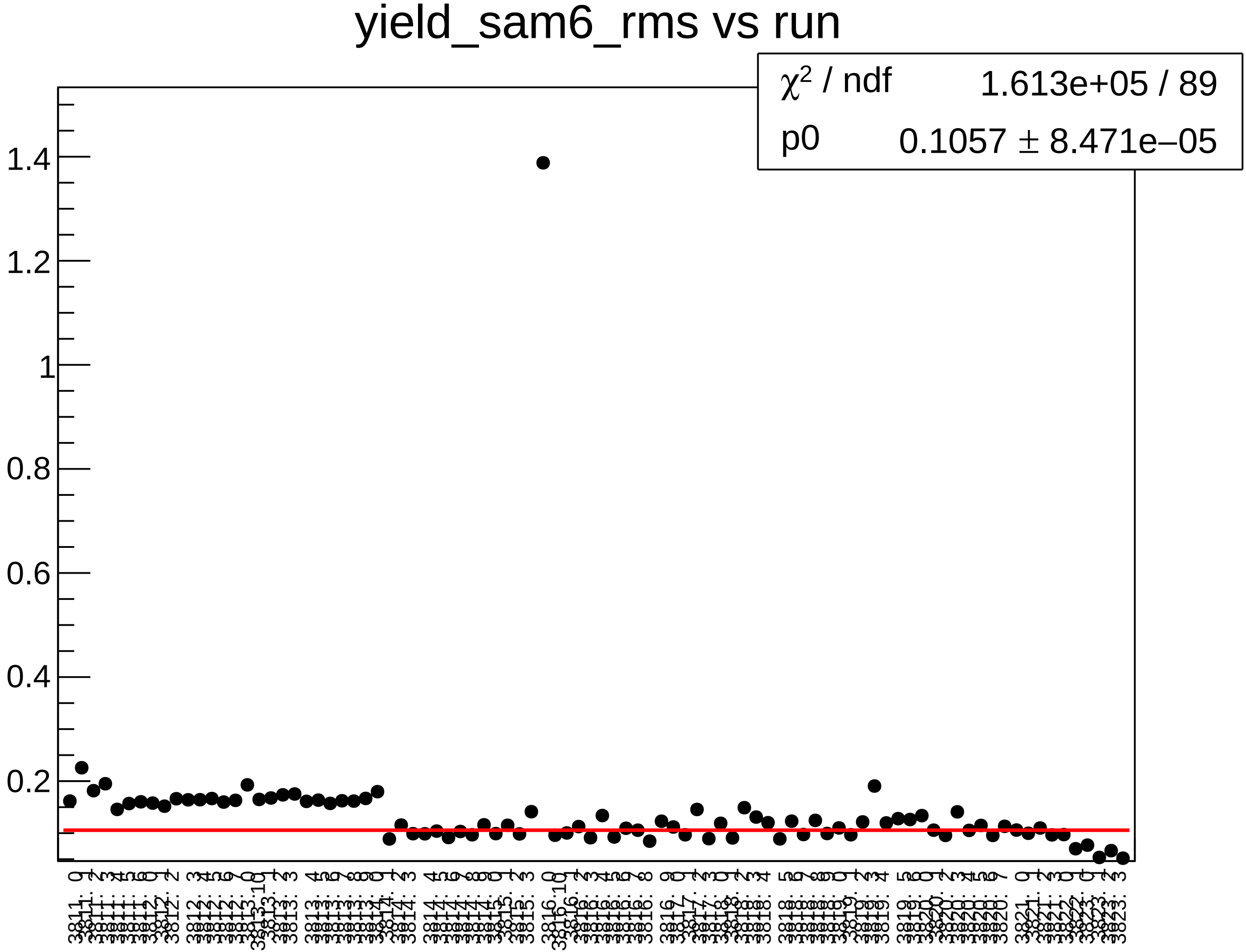

yield_sam5_mean vs run
χ^2 / ndf 2.118e+09 / 89
p0 9.926 ± 4.334e−05
pull
Entries 90
Mean 17.31
Std Dev 35.96
pull1D
Entries 90
Mean 0
Std Dev 0

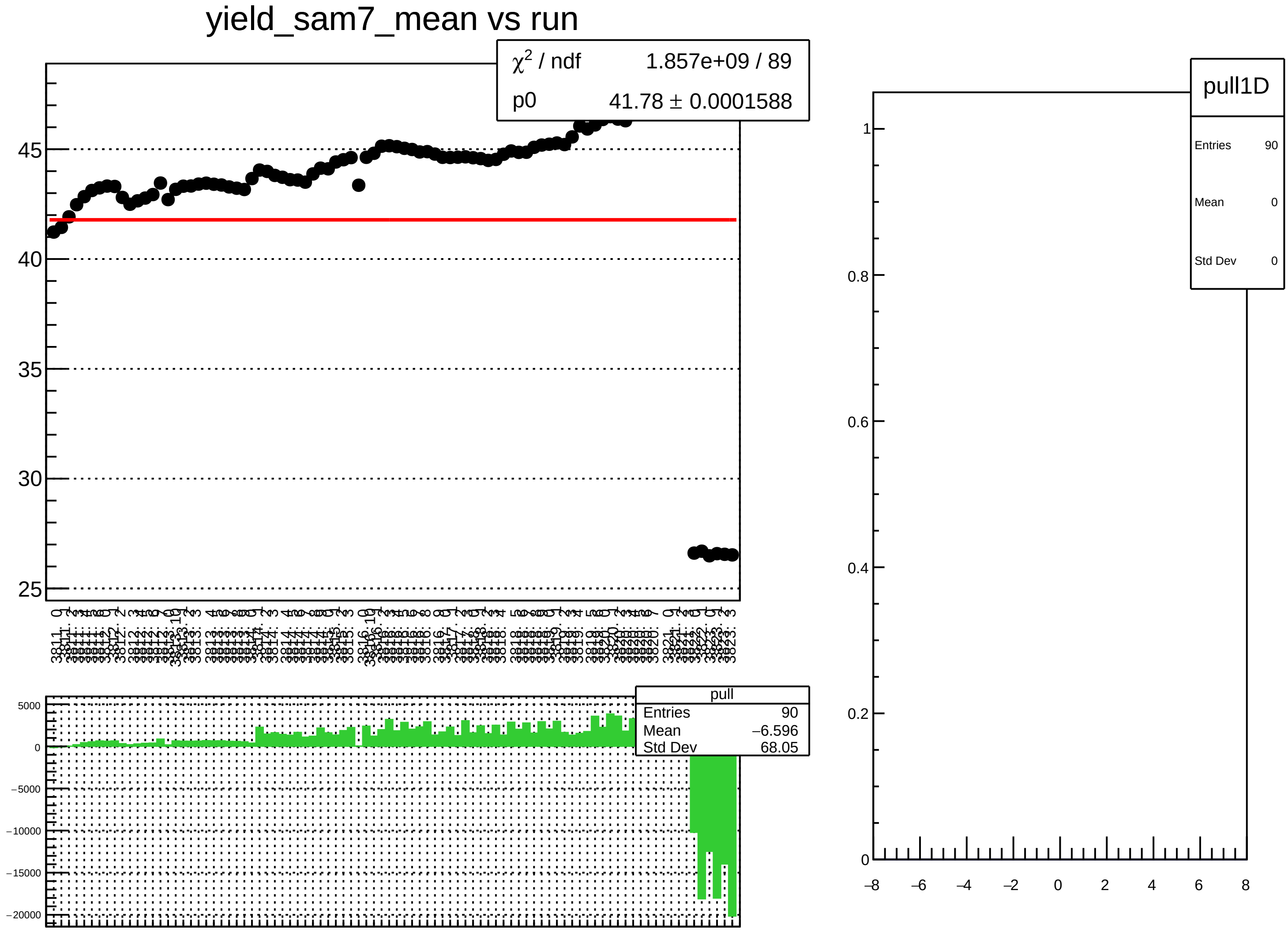


yield_sam5_rms vs run
χ^2 / ndf 2.12e+05 / 89
p0 0.03761 ± 3.064e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

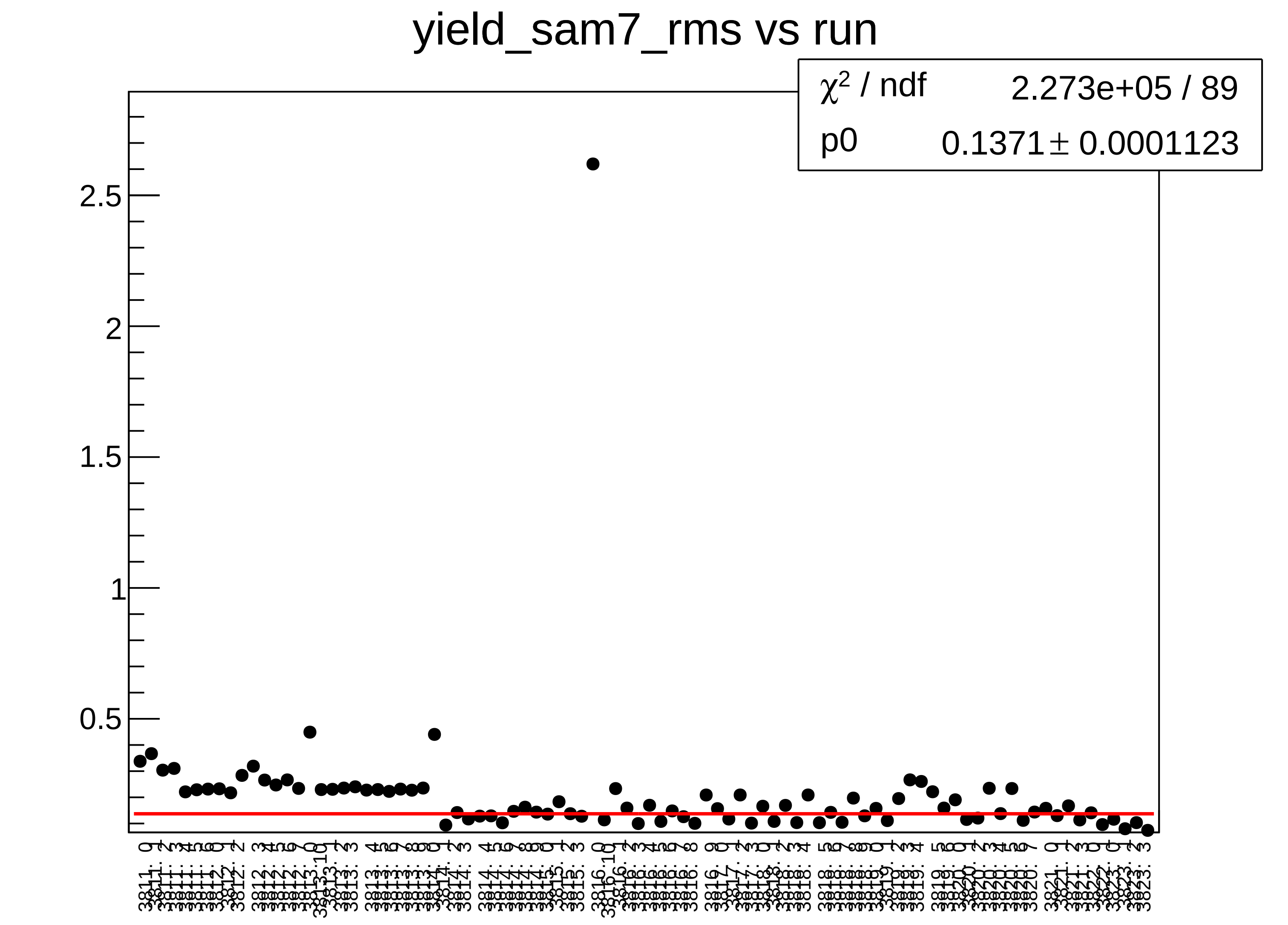


yield_sam6_mean vs run
χ^2 / ndf 6.028e+08 / 89
p0 16.44 ± 0.0001198
18
16
14
12
10
pull
Entries 90
Mean 15.33
Std Dev 44.35
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

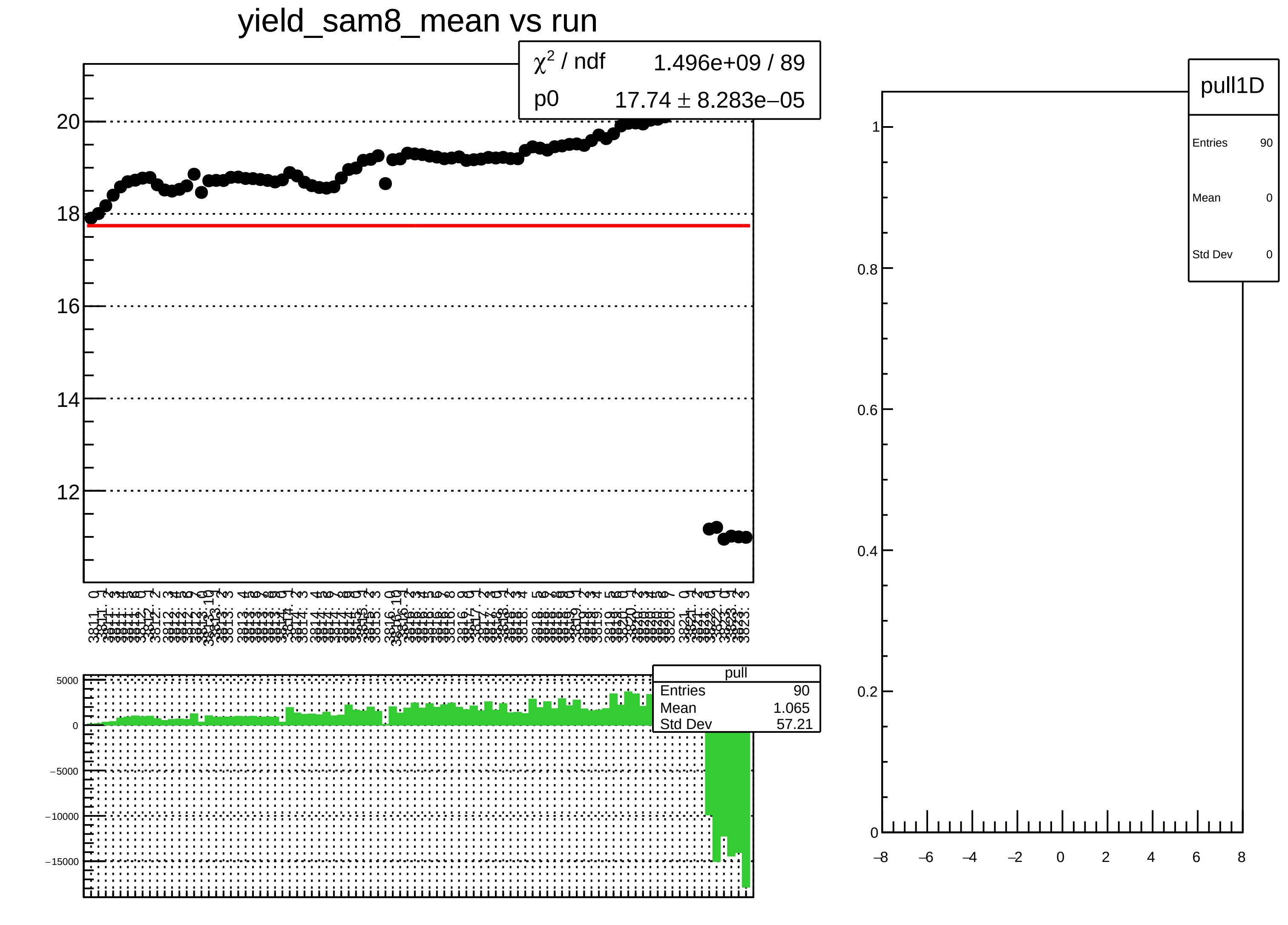




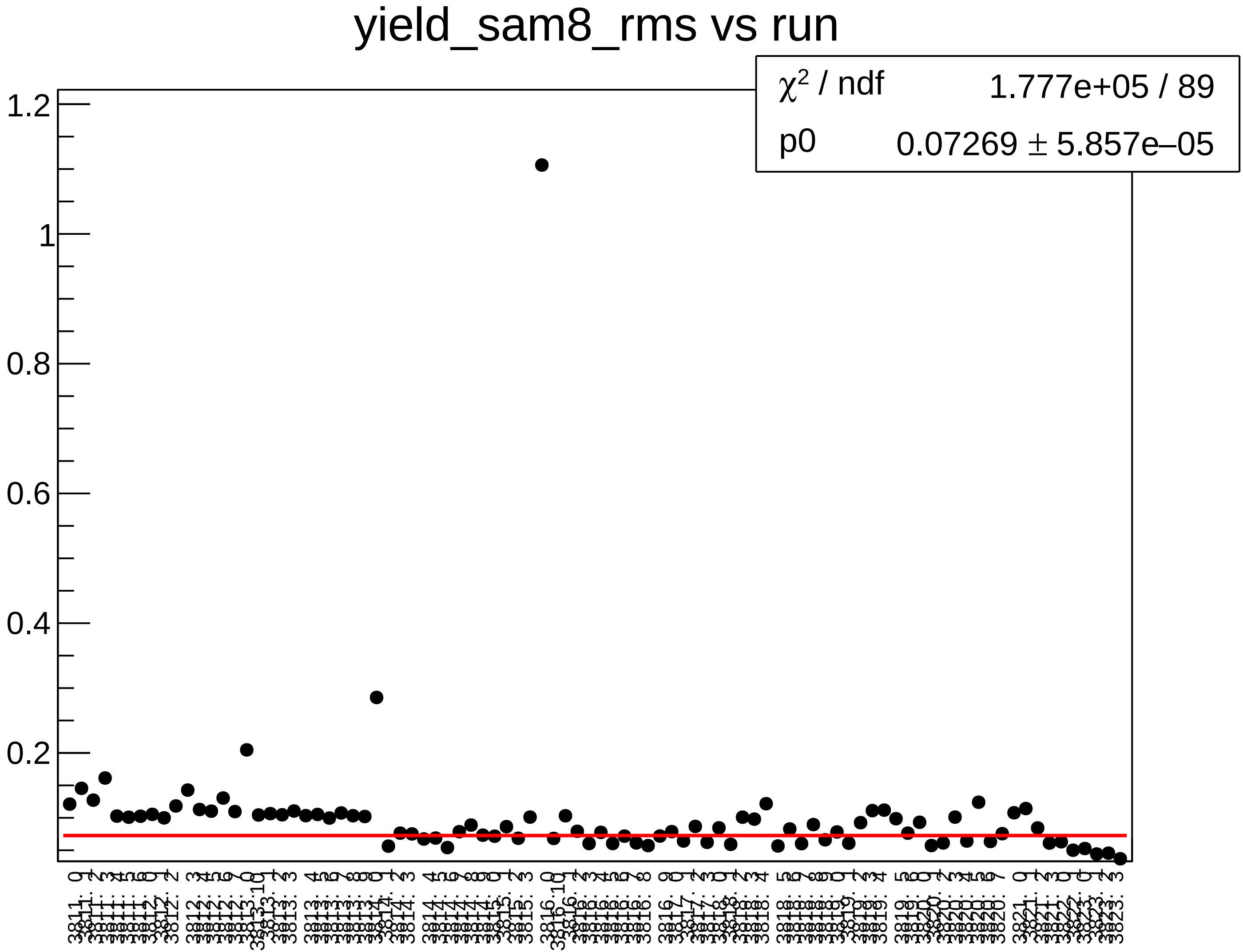
yield_sam7_mean vs run
χ2 / ndf 1.857e+09 / 89
p0 41.78 ± 0.0001588
pull
Entries 90
Mean −6.596
Std Dev 68.05
pull1D
Entries 90
Mean 0
Std Dev 0

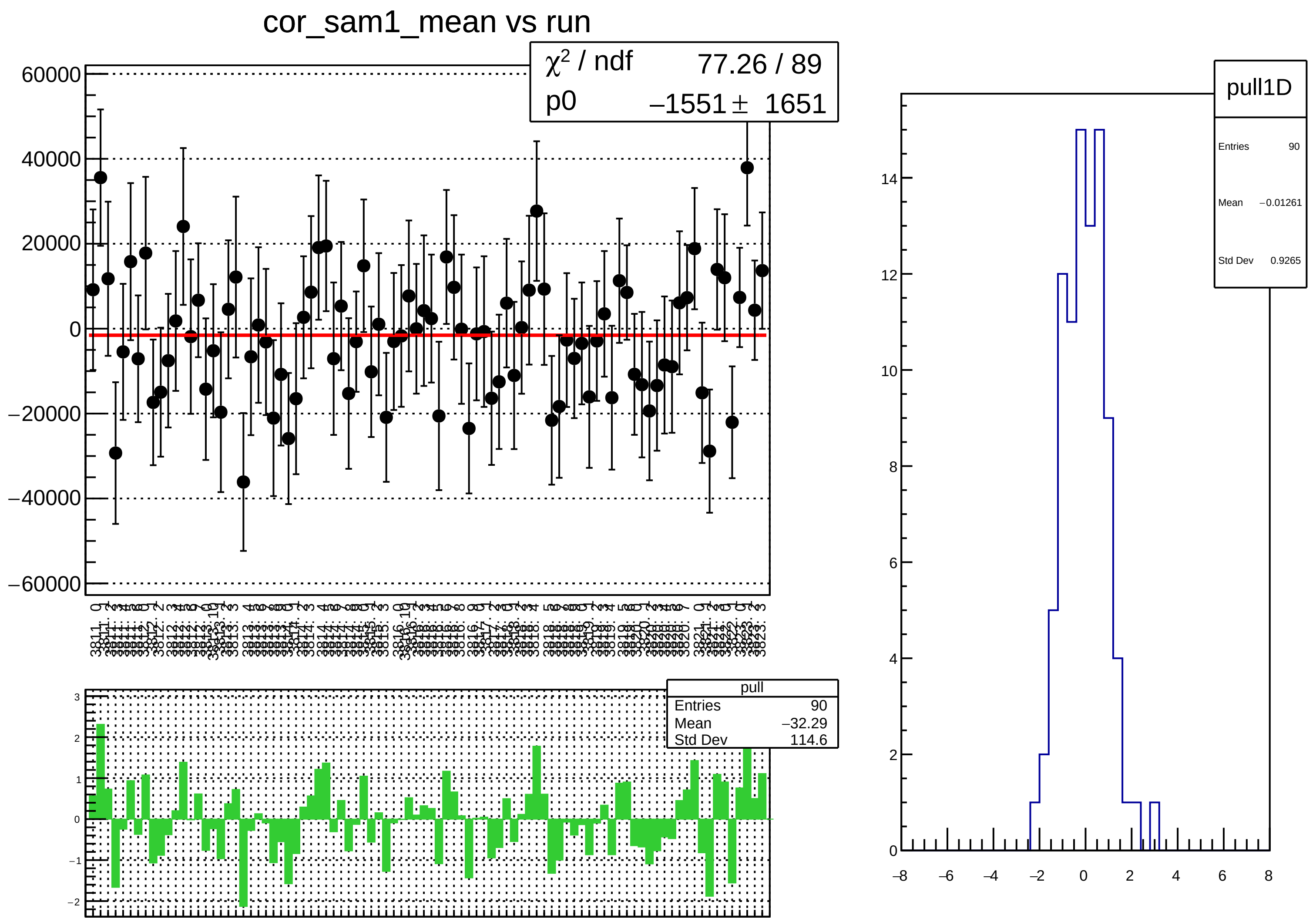


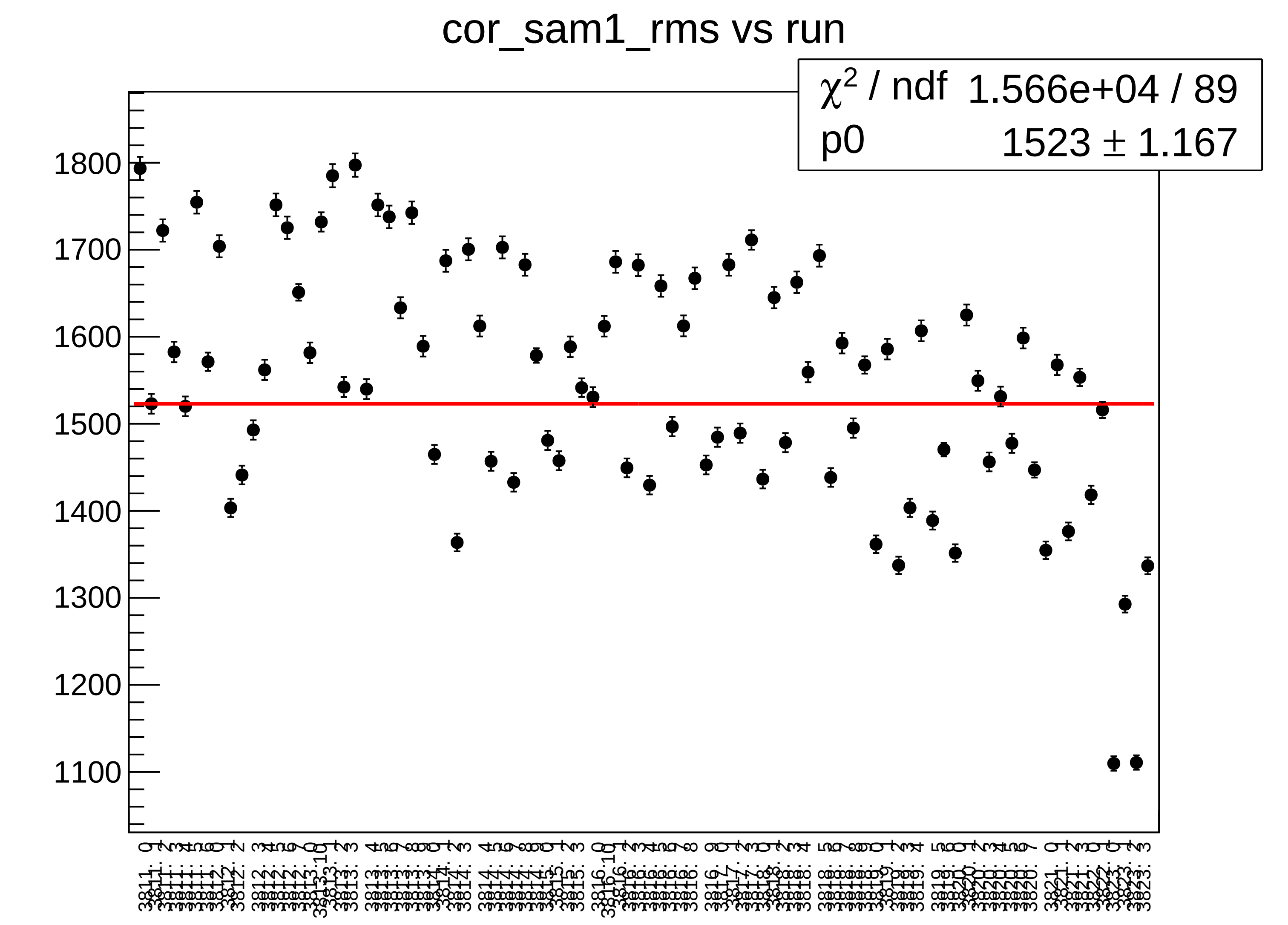
yield_sam7_rms vs run
χ^2 / ndf 2.273e+05 / 89
p0 0.1371 ± 0.0001123
2.5
2
1.5
1
0.5

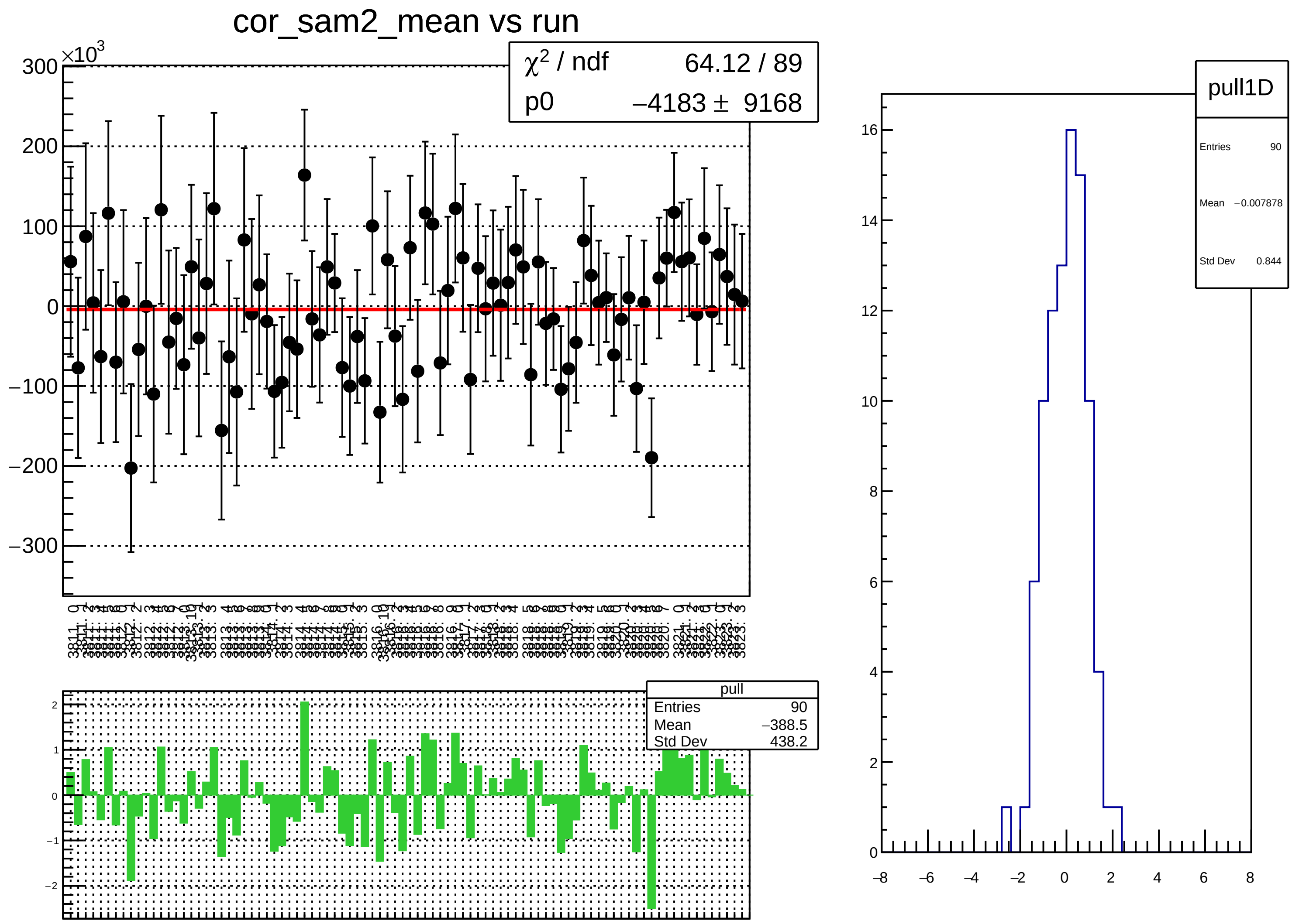


yield_sam8_mean vs run
χ^2 / ndf 1.496e+09 / 89
p0 17.74 ± 8.283e−05
pull
Entries 90
Mean 1.065
Std Dev 57.21
pull1D
Entries 90
Mean 0
Std Dev 0

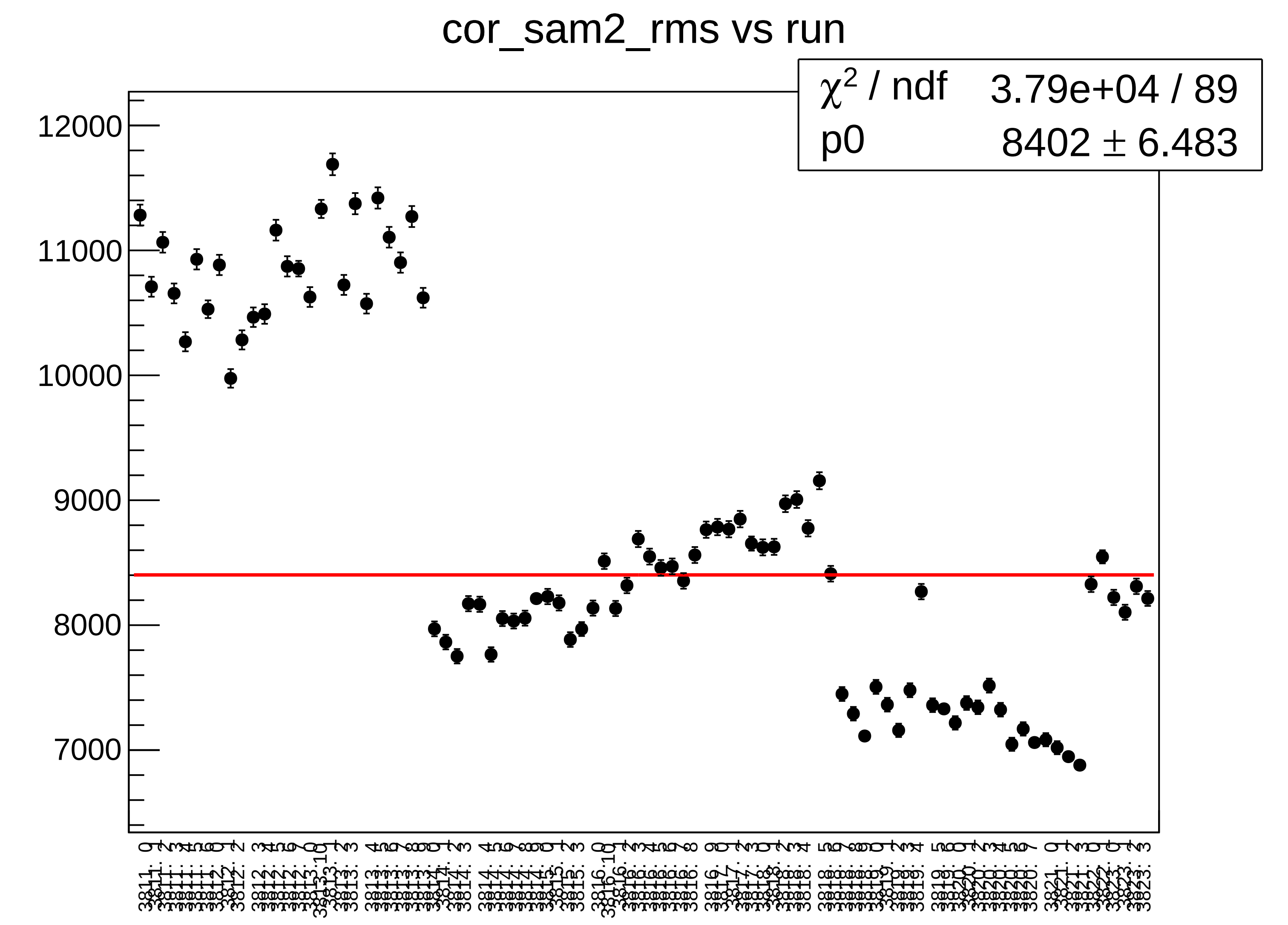

yield_sam8_rms vs run
χ2 / ndf 1.777e+05 / 89
p0 0.07269 ± 5.857e−05
1.2
1
0.8
0.6
0.4
0.2


cor_sam1_mean vs run
χ^2 / ndf 77.26 / 89
p0 −1551 ± 1651
pull
Entries 90
Mean −32.29
Std Dev 114.6
pull1D
Entries 90
Mean −0.01261
Std Dev 0.9265

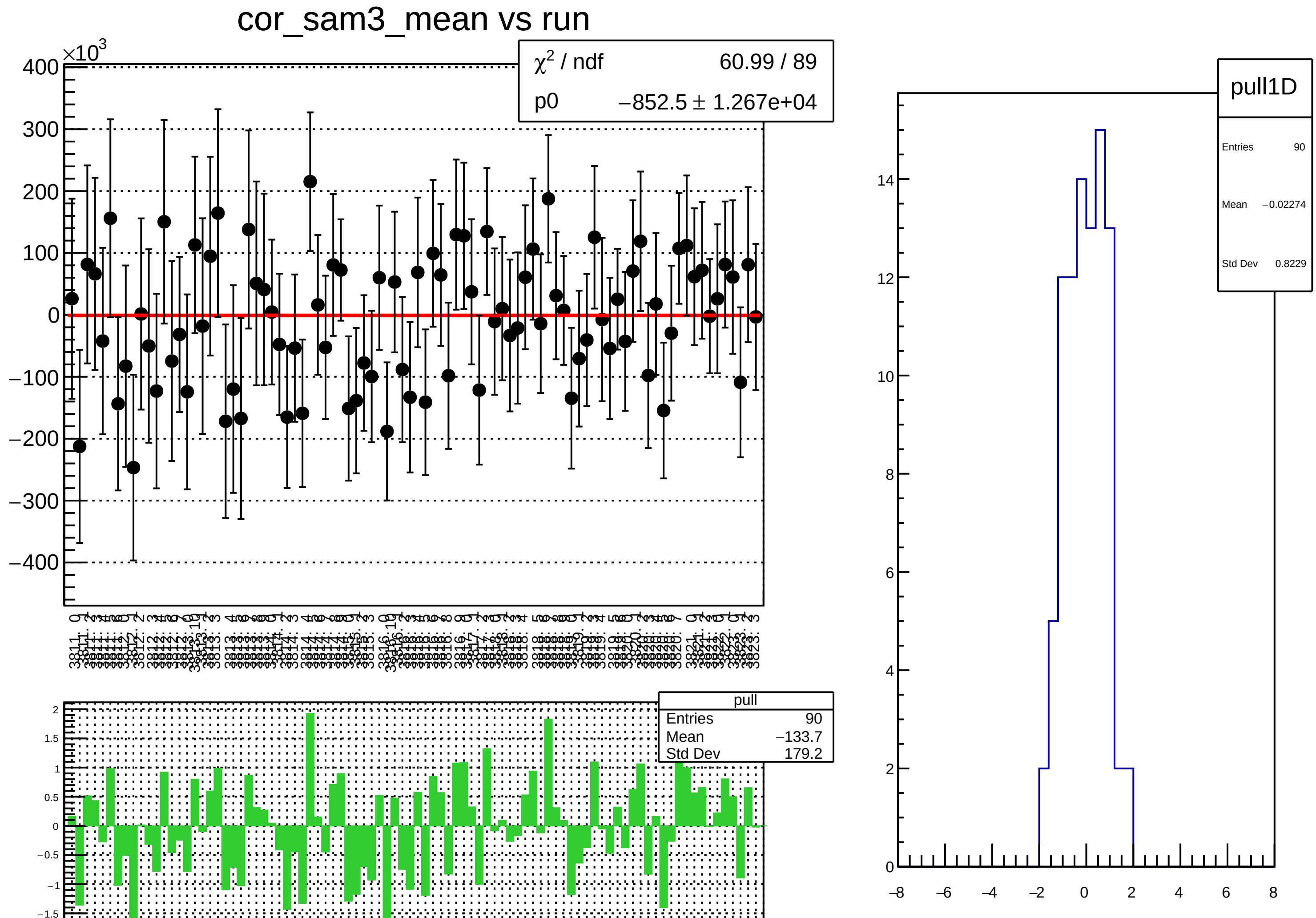

cor_sam1_rms vs run
χ^2 / ndf 1.566e+04 / 89
p0 1523 ± 1.167
1800
1700
1600
1500
1400
1300
1200
1100

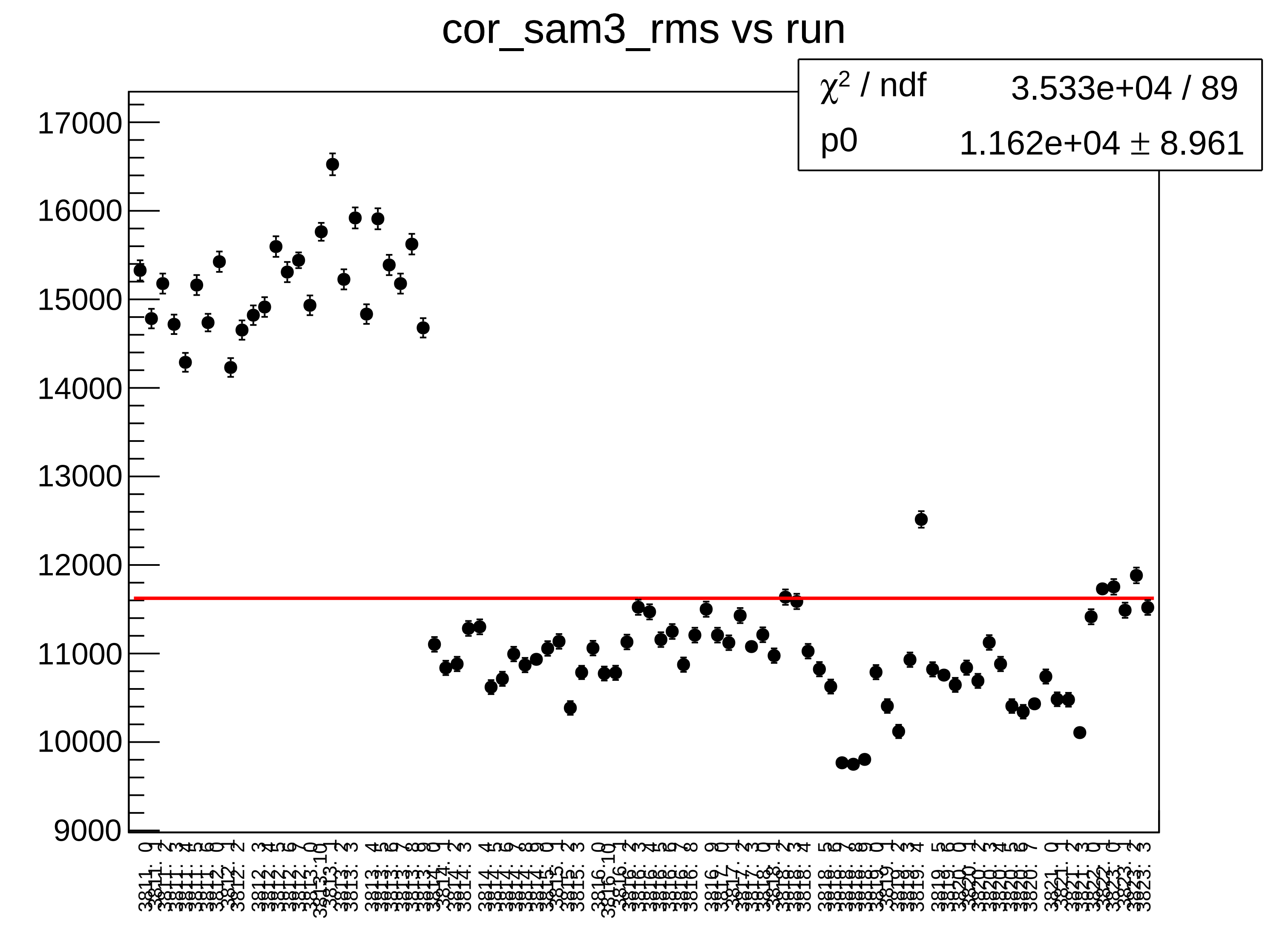


cor_sam2_mean vs run
χ^2 / ndf 64.12 / 89
p0 −4183 ± 9168
pull
Entries 90
Mean −388.5
Std Dev 438.2
pull1D
Entries 90
Mean −0.007878
Std Dev 0.844

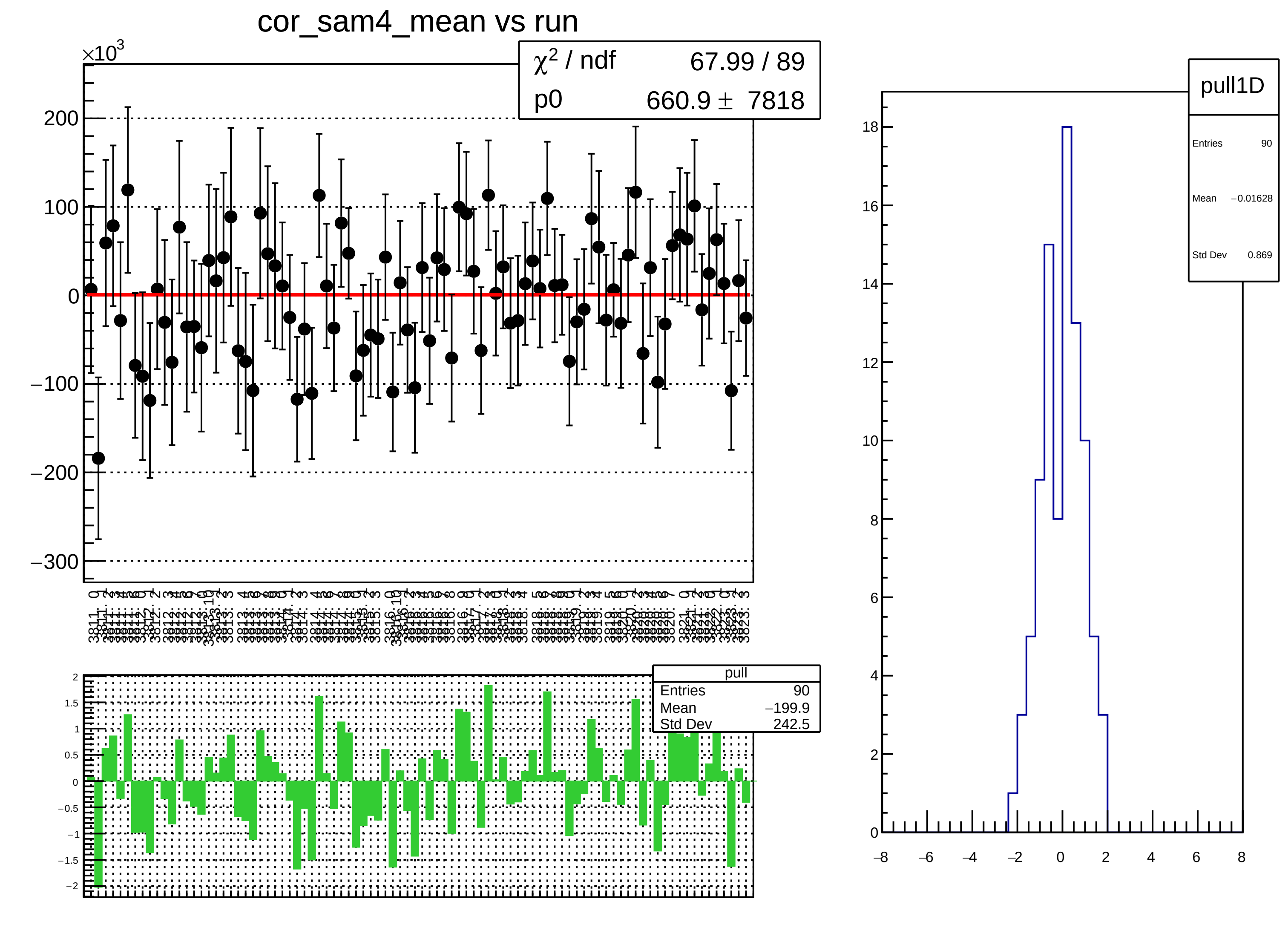


cor_sam2_rms vs run
χ^2 / ndf 3.79e+04 / 89
p0 8402 ± 6.483
12000
11000
10000
9000
8000
7000

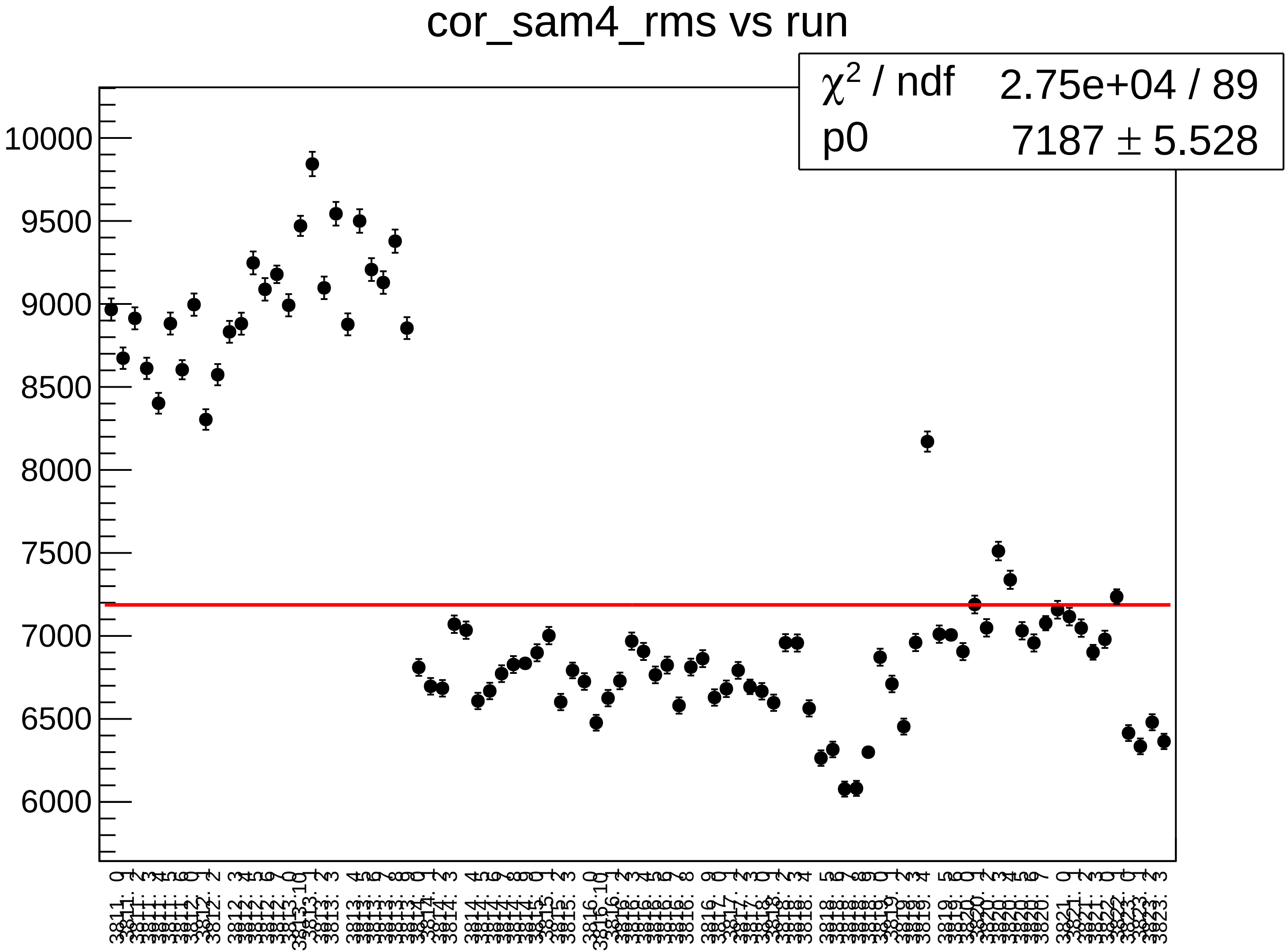

cor_sam3_mean vs run
×10^3
χ^2 / ndf 60.99 / 89
p0 −852.5 ± 1.267e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 90
Mean −133.7
Std Dev 179.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 90
Mean −0.02274
Std Dev 0.8229
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

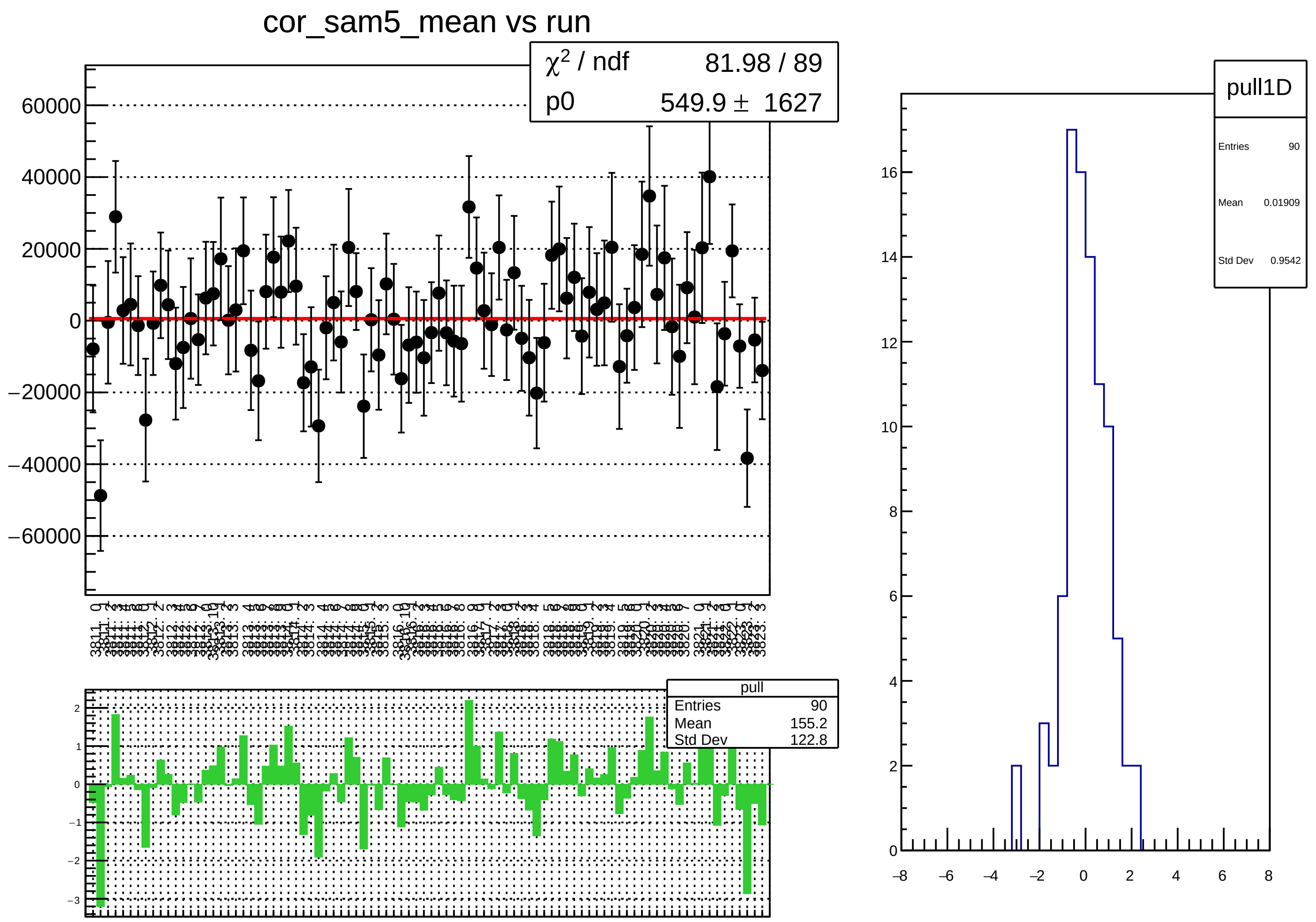


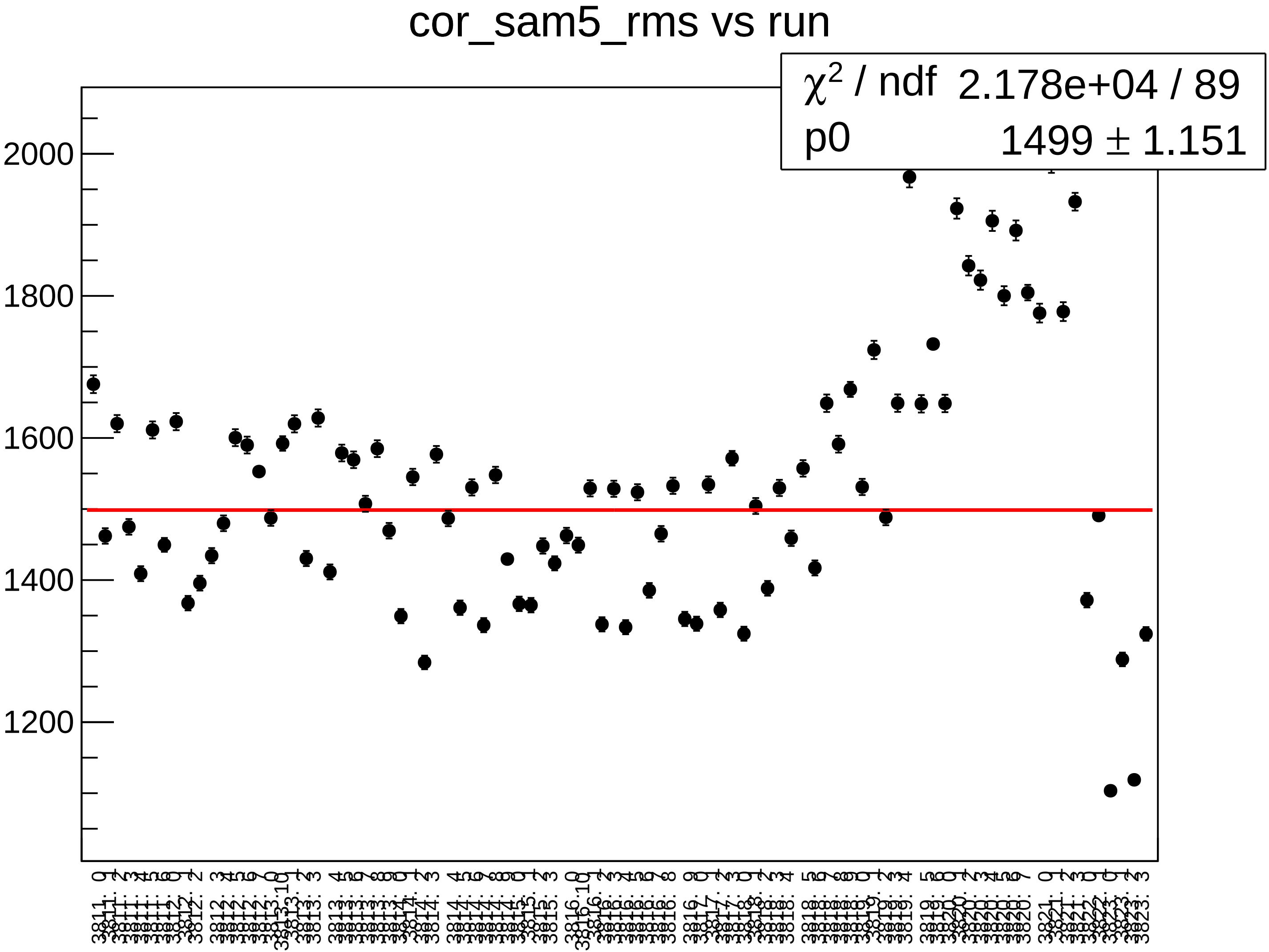
cor_sam3_rms vs run
χ^2 / ndf 3.533e+04 / 89
p0 1.162e+04 ± 8.961
17000
16000
15000
14000
13000
12000
11000
10000
9000



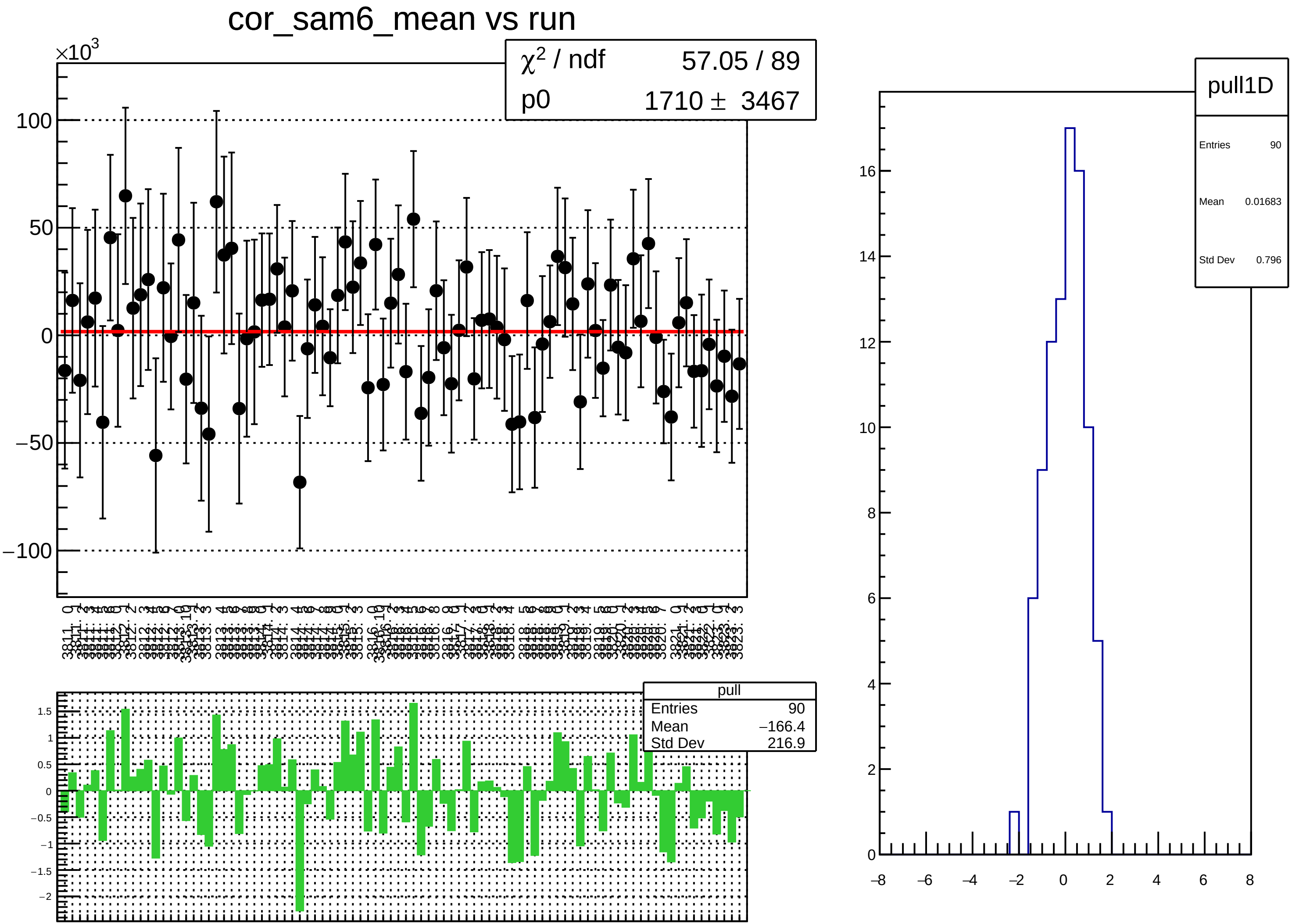
cor_sam4_mean vs run
×10^3
χ2 / ndf 67.99 / 89
p0 660.9 ± 7818
200
100
0
−100
−200
−300
pull
Entries 90
Mean −199.9
Std Dev 242.5
pull1D
Entries 90
Mean −0.01628
Std Dev 0.869

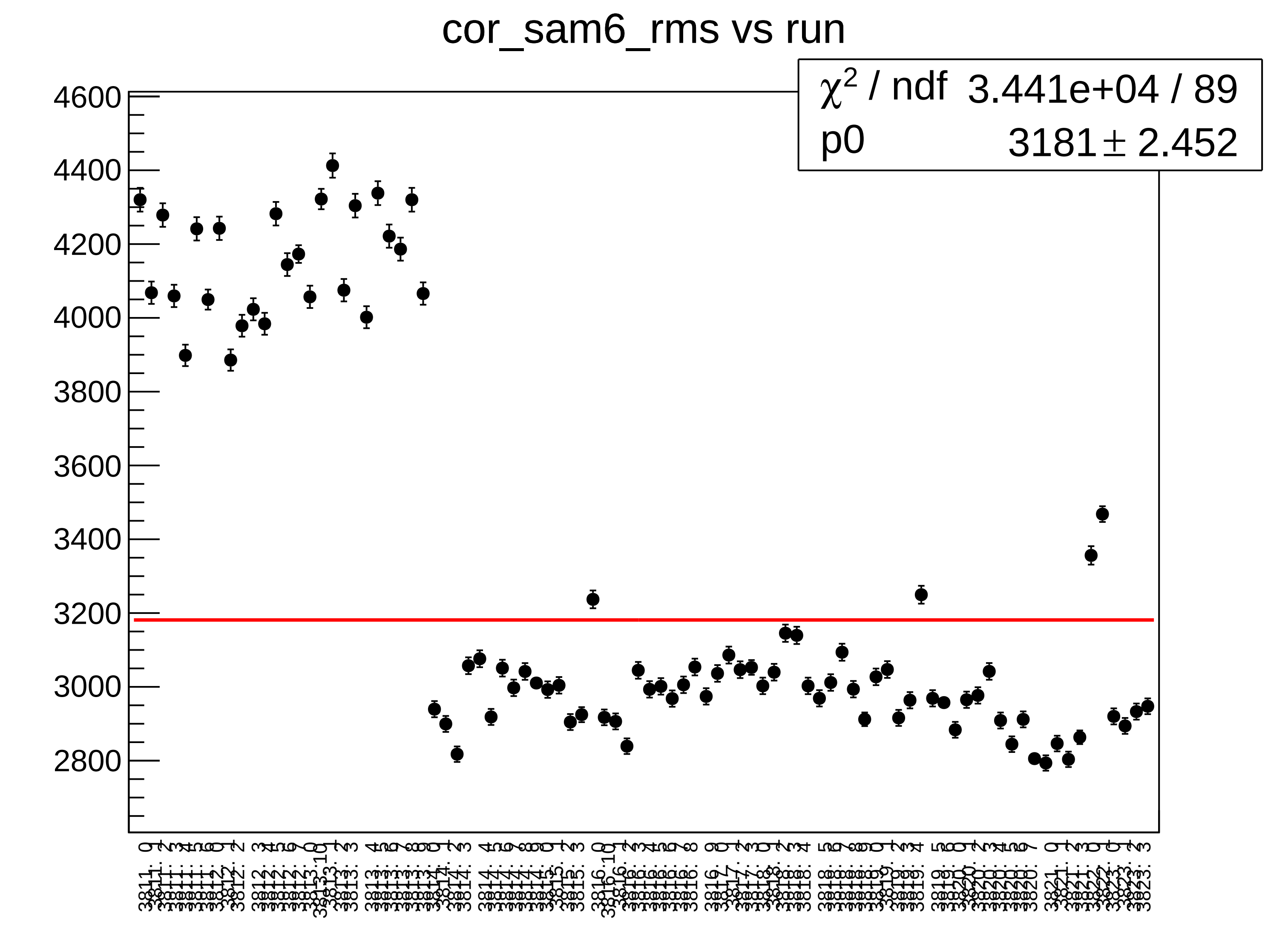

cor_sam4_rms vs run
χ^2 / ndf 2.75e+04 / 89
p0 7187 ± 5.528
10000
9500
9000
8500
8000
7500
7000
6500
6000


cor_sam5_mean vs run
χ^2 / ndf 81.98 / 89
p0 549.9 ± 1627
pull
Entries 90
Mean 155.2
Std Dev 122.8
pull1D
Entries 90
Mean 0.01909
Std Dev 0.9542

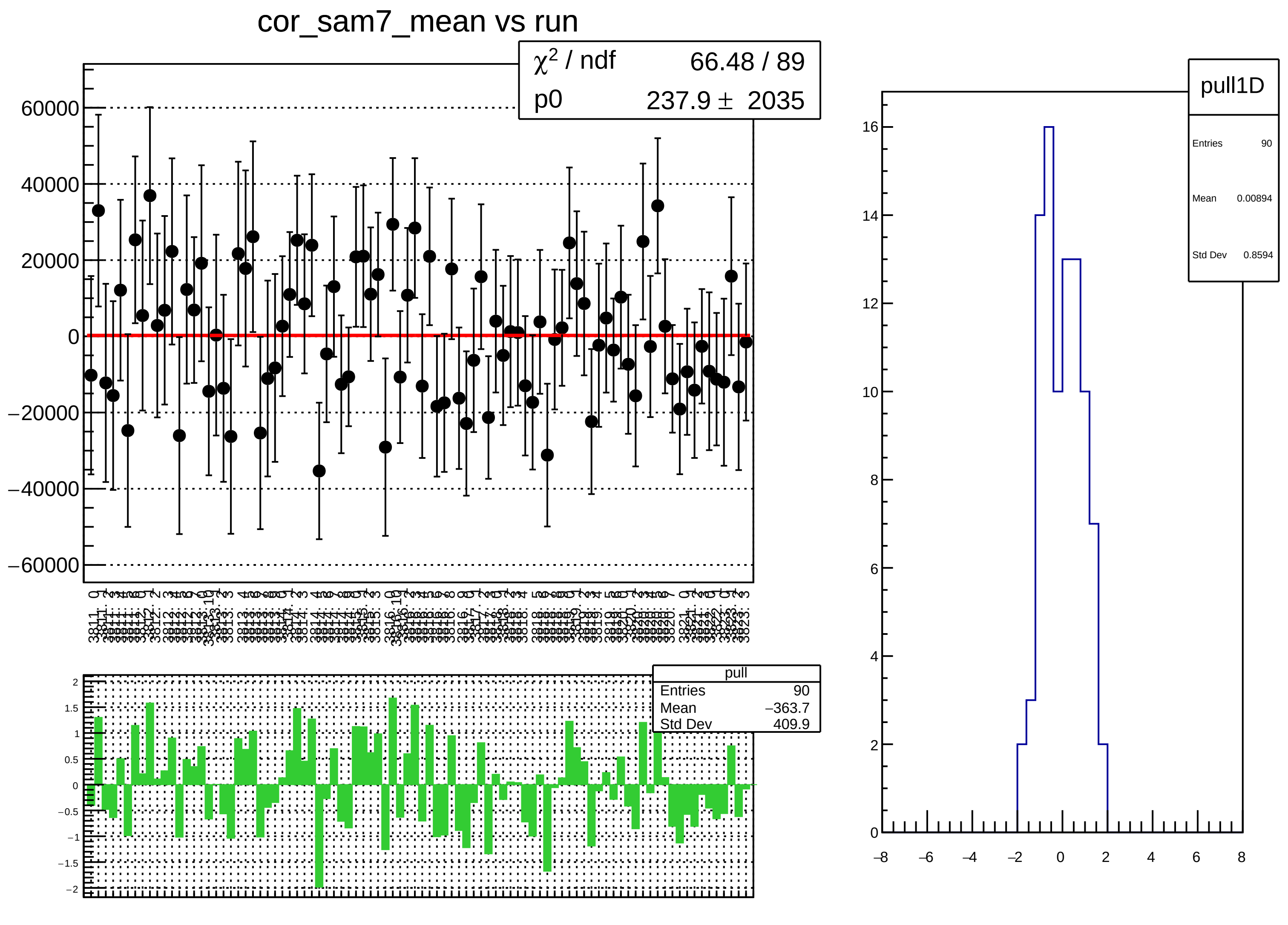


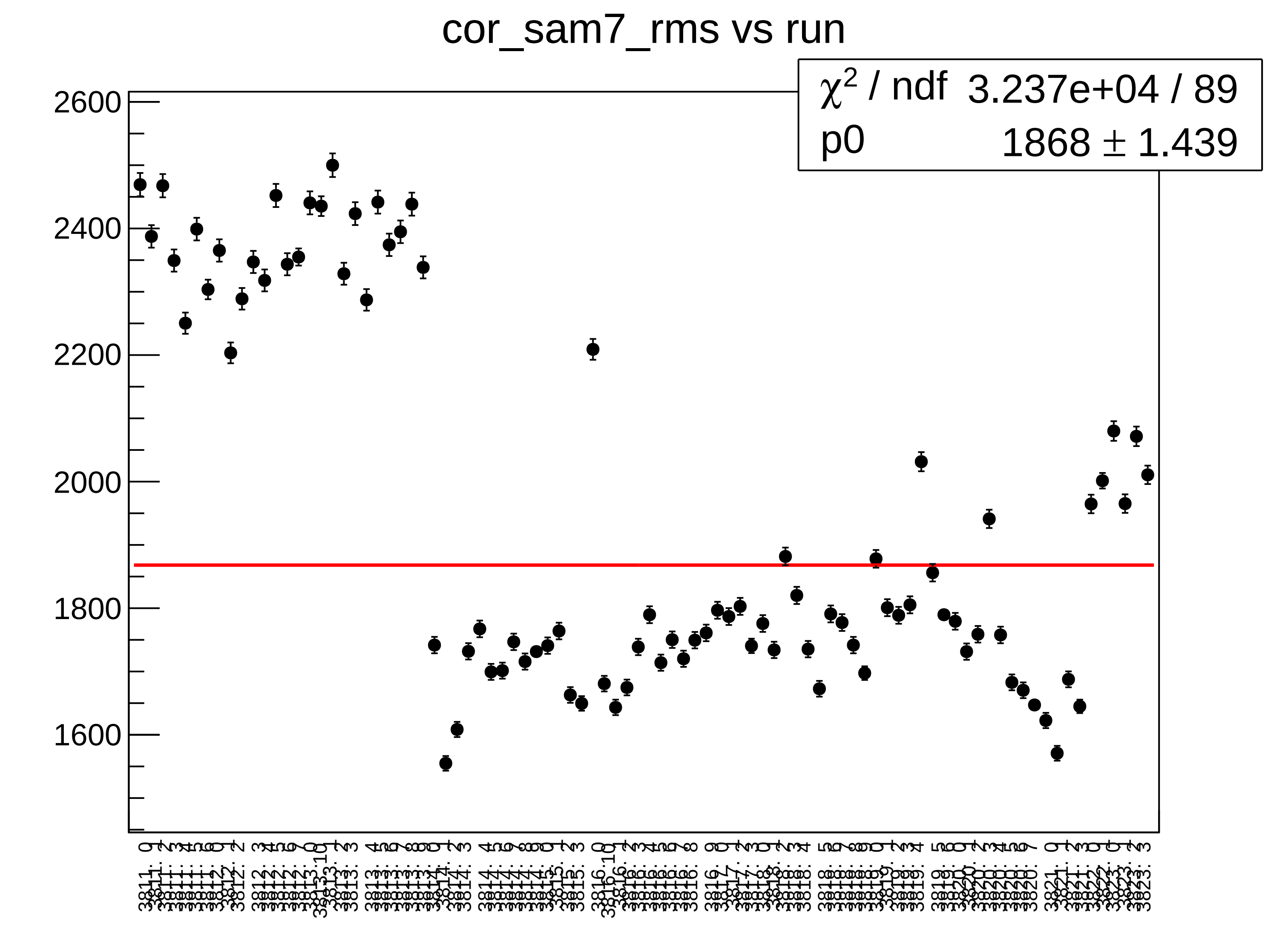
cor_sam5_rms vs run
χ² / ndf 2.178e+04 / 89
p0 1499 ± 1.151
2000
1800
1600
1400
1200

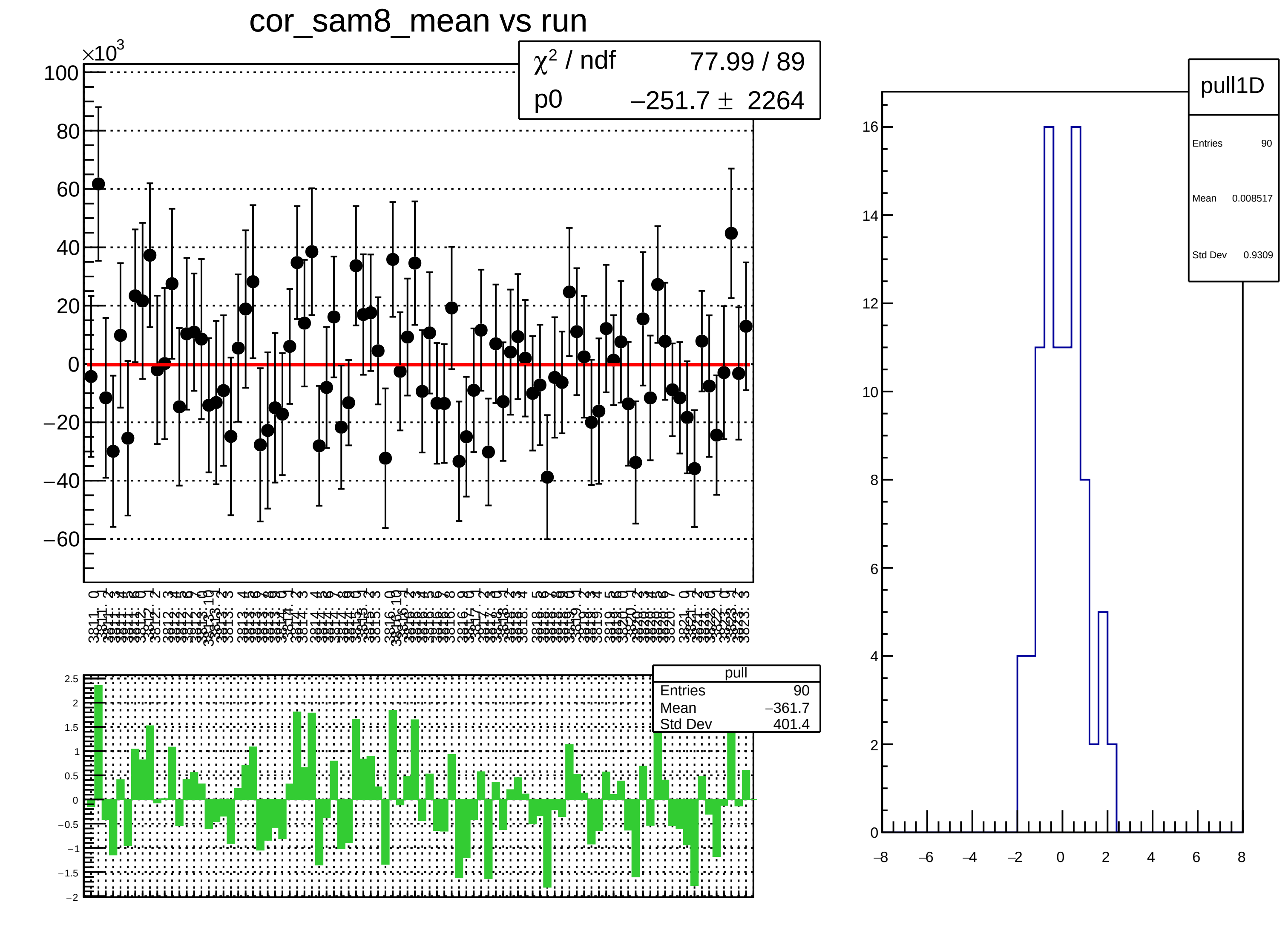

cor_sam6_mean vs run
×10^3
χ2 / ndf 57.05 / 89
p0 1710 ± 3467
100
50
0
−50
−100
pull
Entries 90
Mean −166.4
Std Dev 216.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 90
Mean 0.01683
Std Dev 0.796
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



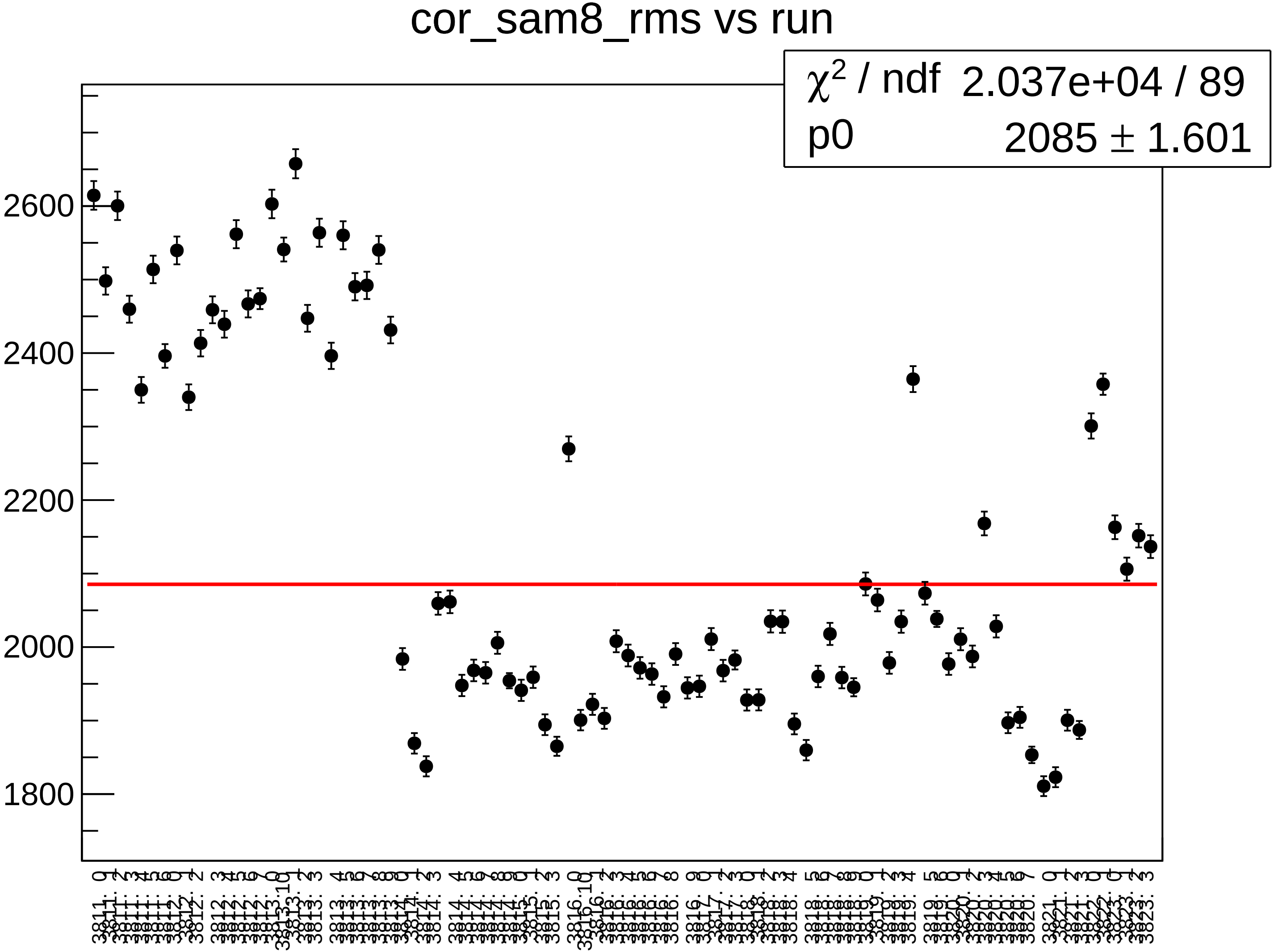
cor_sam6_rms vs run
χ^2 / ndf 3.441e+04 / 89
p0 3181 ± 2.452
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

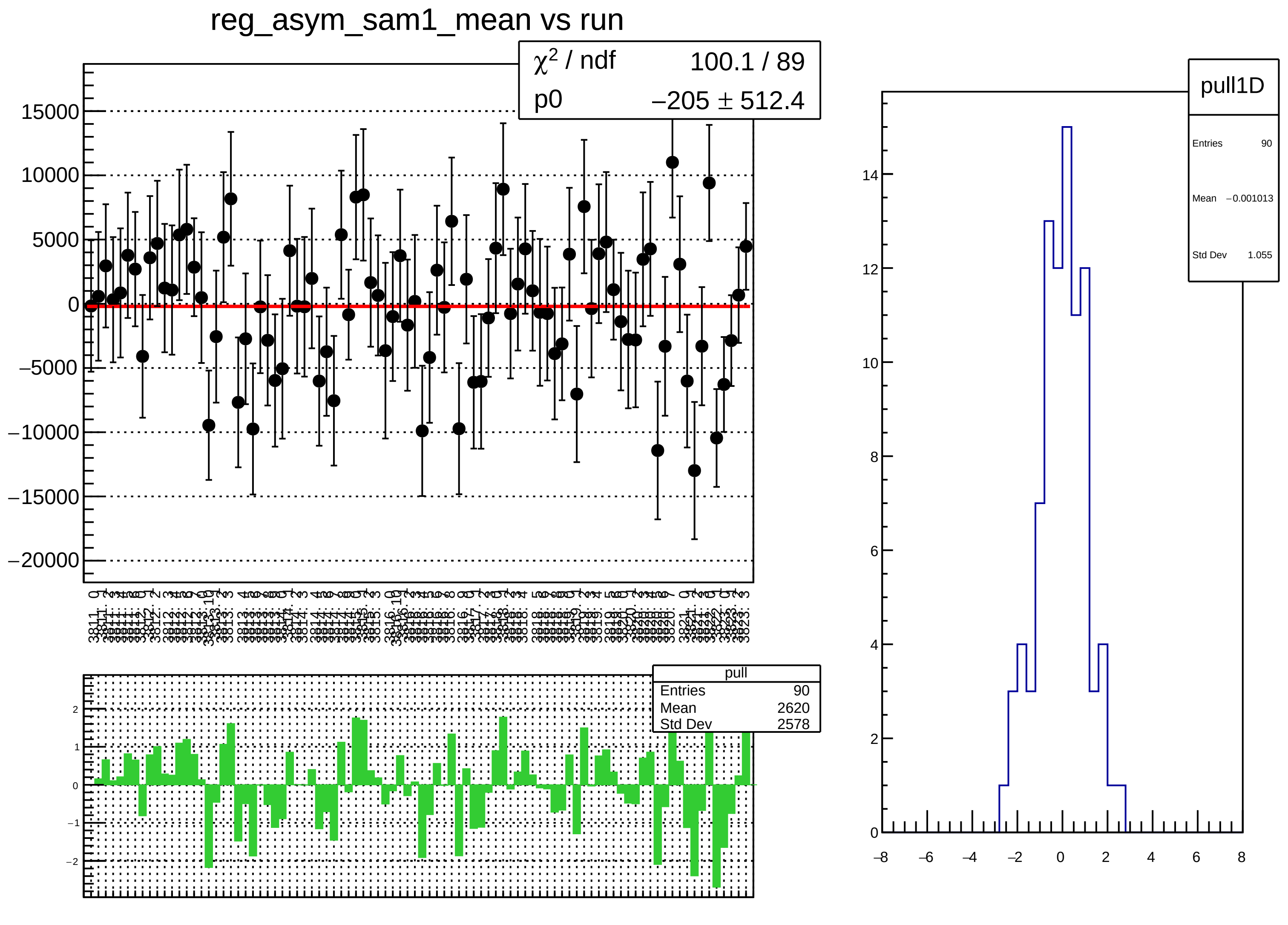

cor_sam7_mean vs run
χ2 / ndf 66.48 / 89
p0 237.9 ± 2035
pull
Entries 90
Mean −363.7
Std Dev 409.9
pull1D
Entries 90
Mean 0.00894
Std Dev 0.8594


cor_sam7_rms vs run
χ^2 / ndf 3.237e+04 / 89
p0 1868 ± 1.439
2600
2400
2200
2000
1800
1600

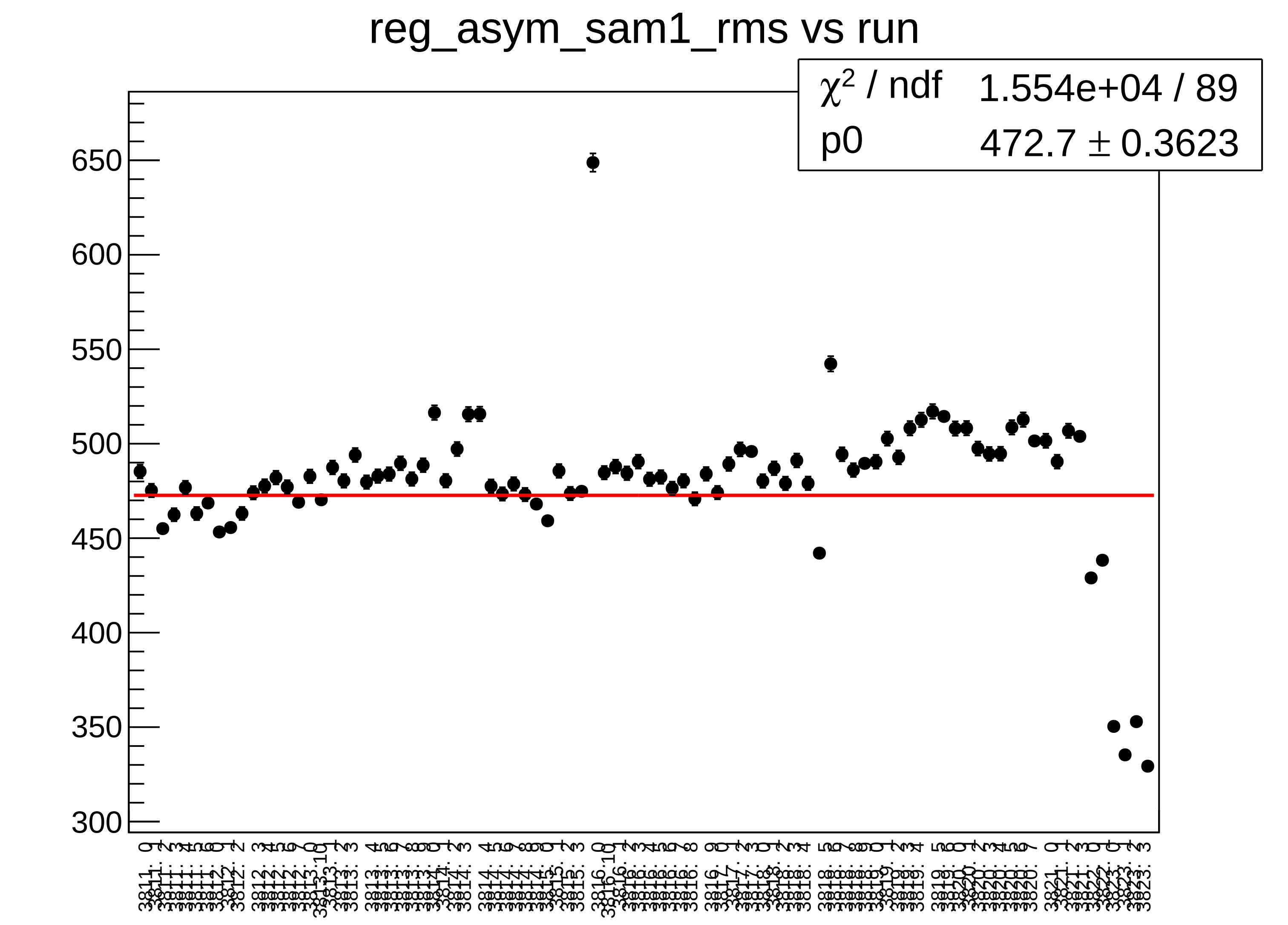


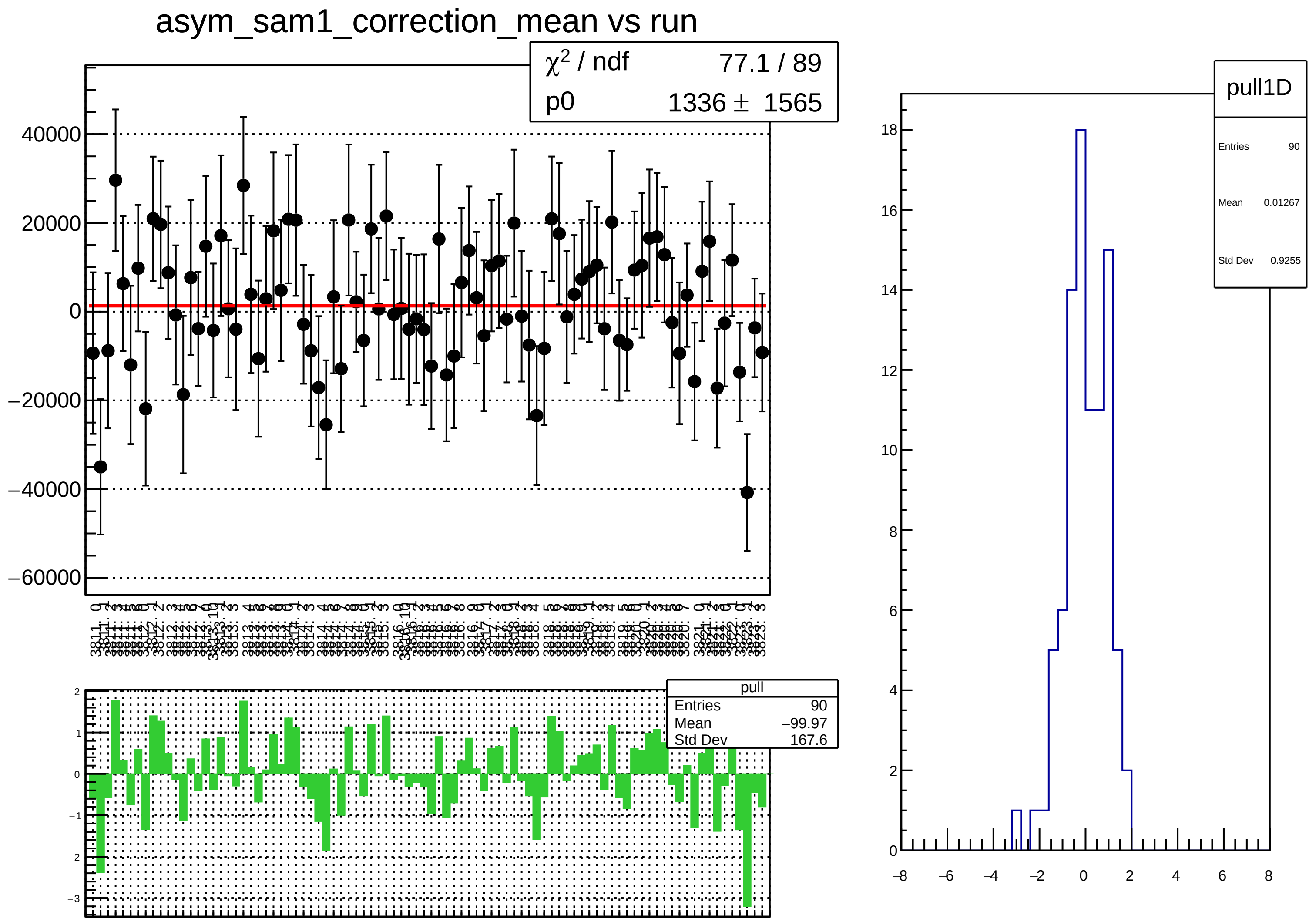
cor_sam8_mean vs run
χ2 / ndf 77.99 / 89
p0 −251.7 ± 2264
×103
pull
Entries 90
Mean −361.7
Std Dev 401.4
pull1D
Entries 90
Mean 0.008517
Std Dev 0.9309


cor_sam8_rms vs run
χ^2 / ndf 2.037e+04 / 89
p0 2085 ± 1.601
2600
2400
2200
2000
1800

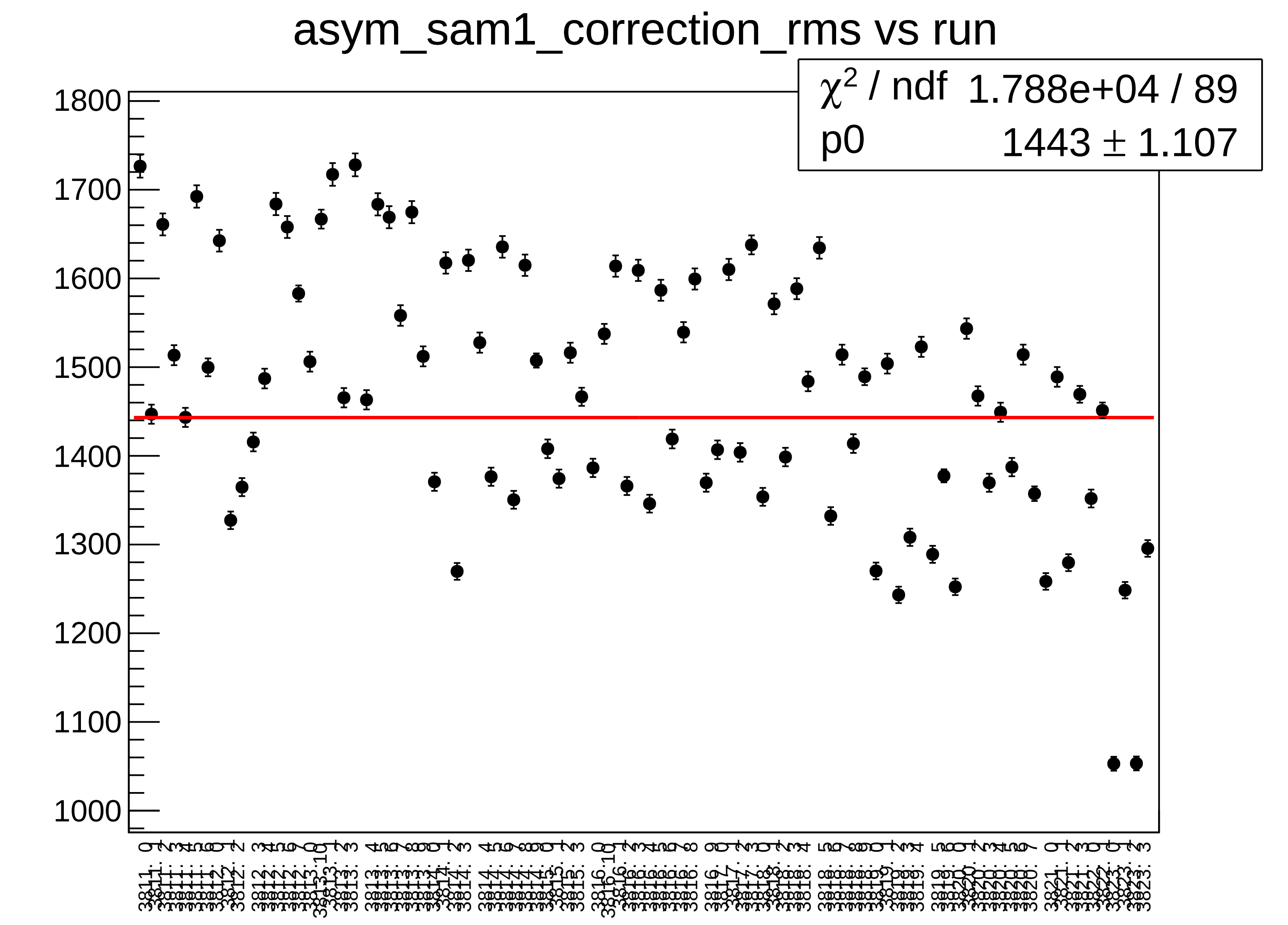


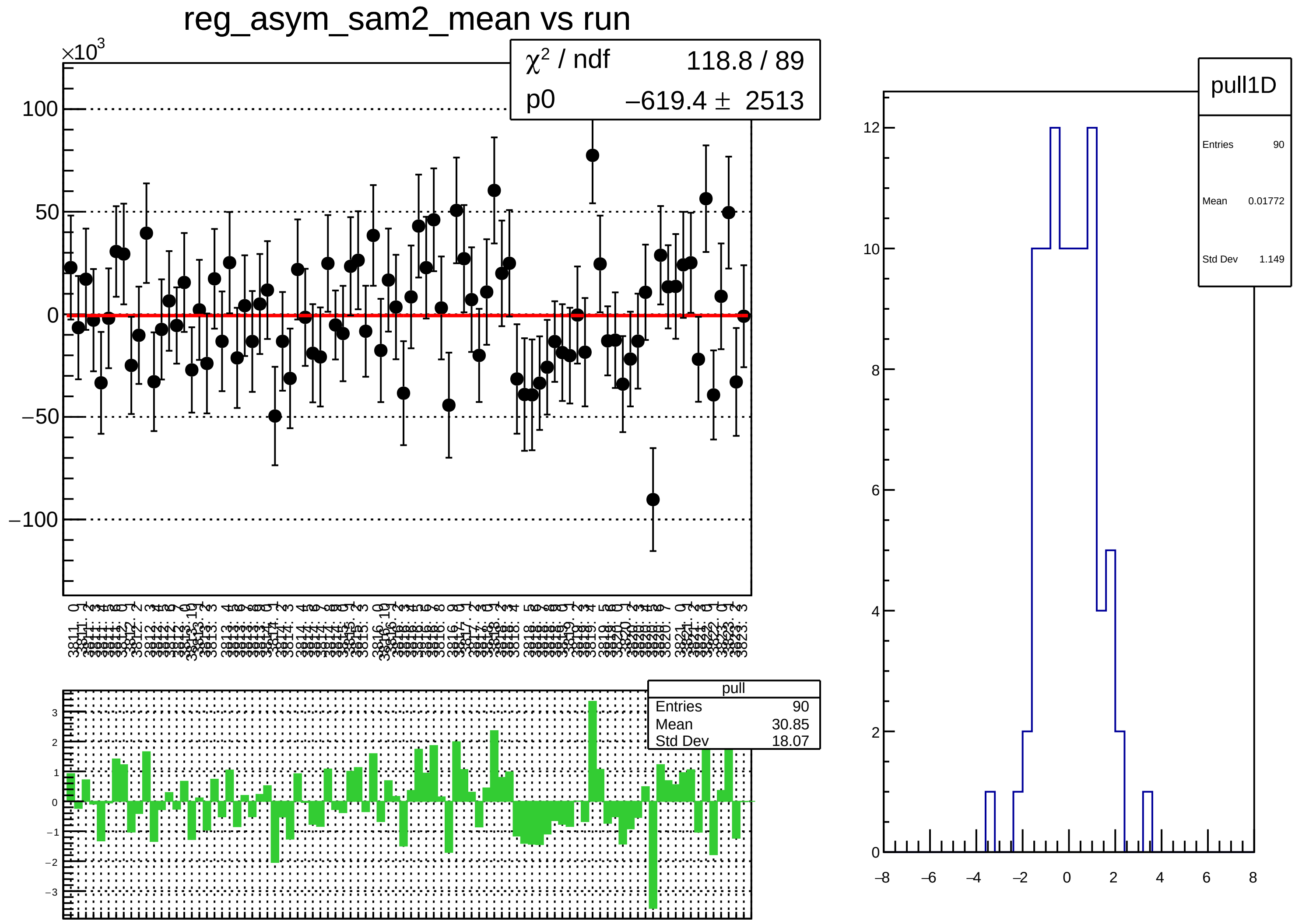
reg_asym_sam1_mean vs run
χ^2 / ndf 100.1 / 89
p0 −205 ± 512.4
pull
Entries 90
Mean 2620
Std Dev 2578
pull1D
Entries 90
Mean −0.001013
Std Dev 1.055


reg_asym_sam1_rms vs run
χ2 / ndf 1.554e+04 / 89
p0 472.7 ± 0.3623
650
600
550
500
450
400
350
300



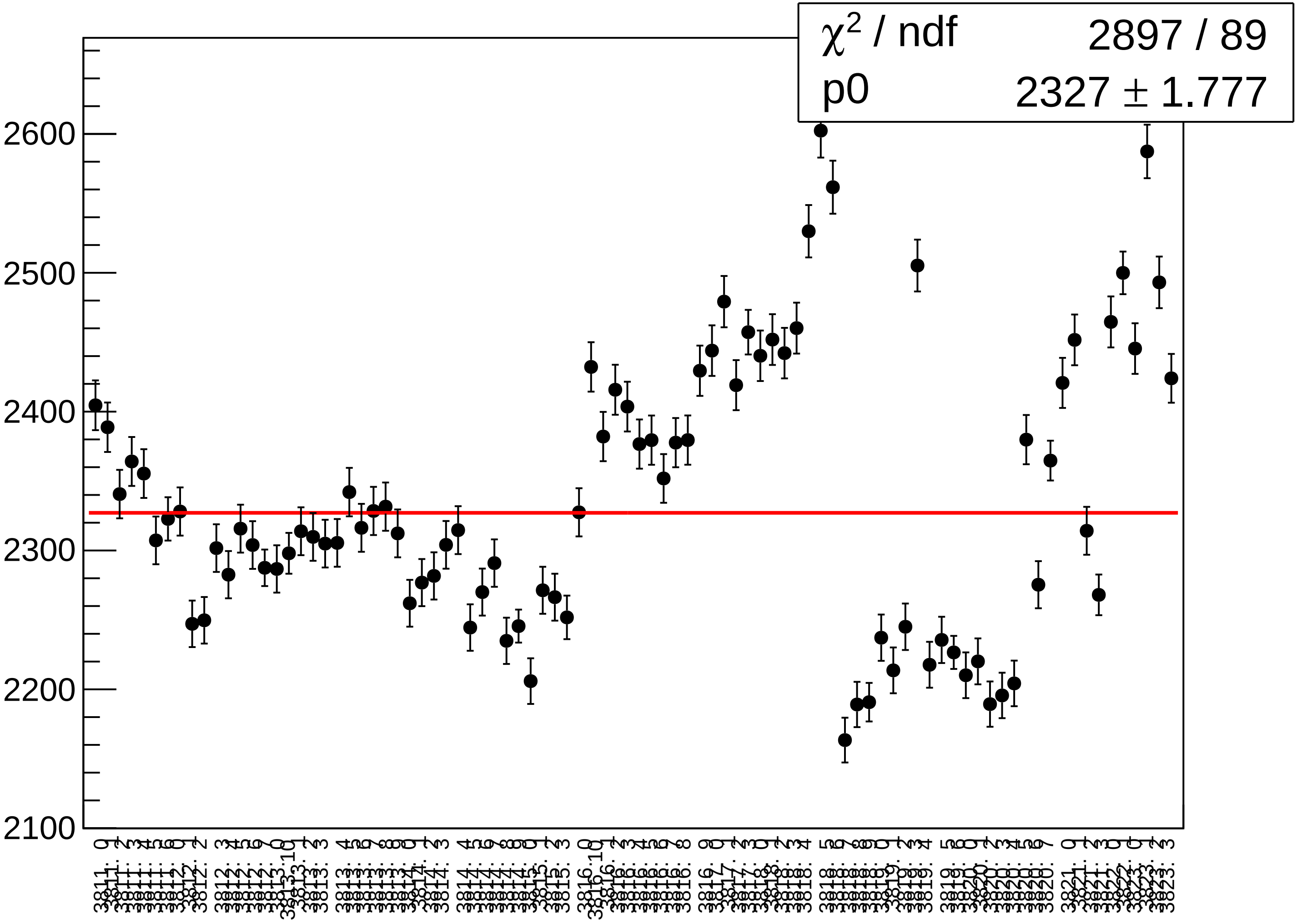
asym_sam1_correction_mean vs run
χ^2 / ndf 77.1 / 89
p0 1336 ± 1565
pull
Entries 90
Mean −99.97
Std Dev 167.6
pull1D
Entries 90
Mean 0.01267
Std Dev 0.9255

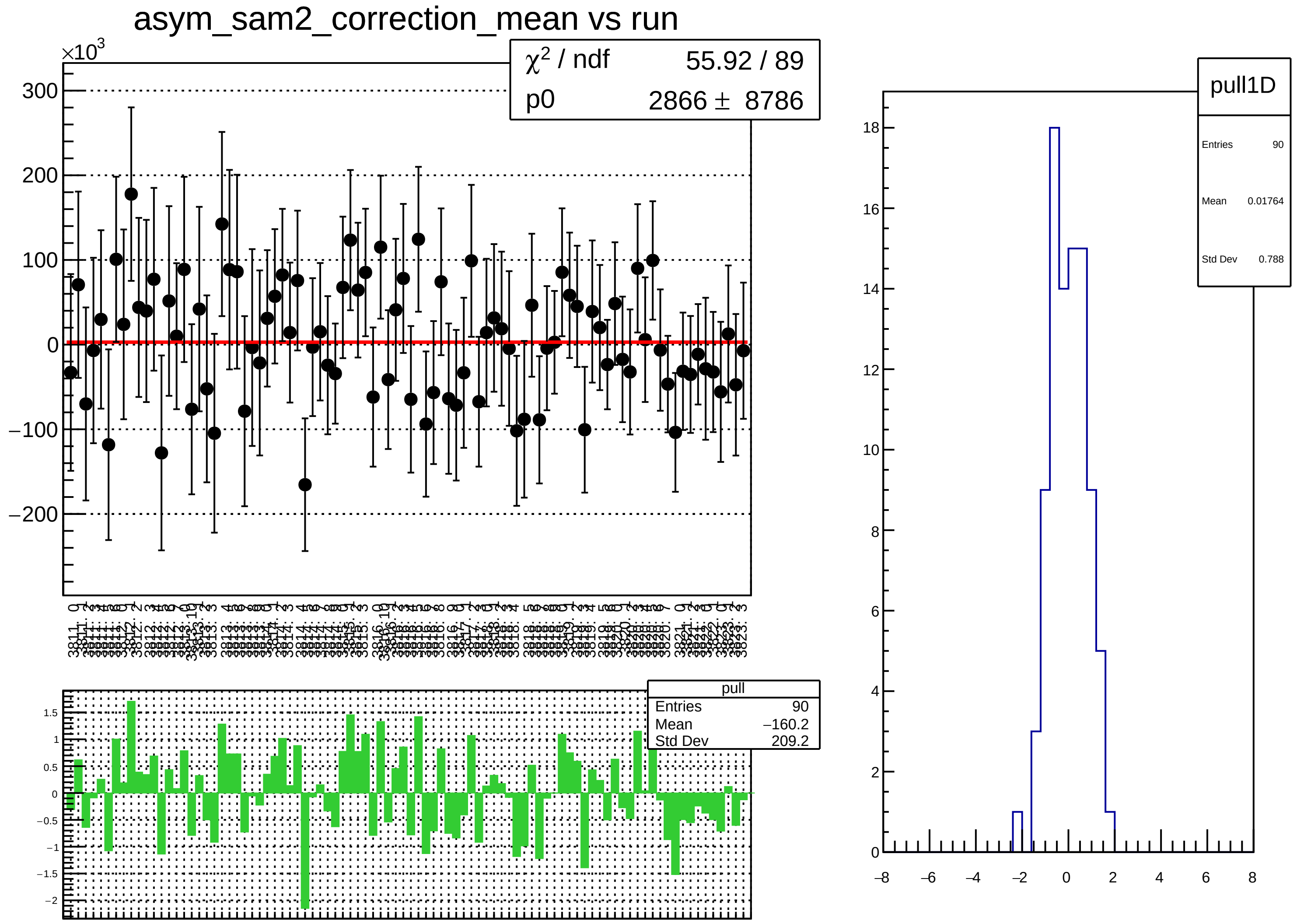

asym_sam1_correction_rms vs run
χ^2 / ndf 1.788e+04 / 89
p0 1443 ± 1.107
1800
1700
1600
1500
1400
1300
1200
1100
1000



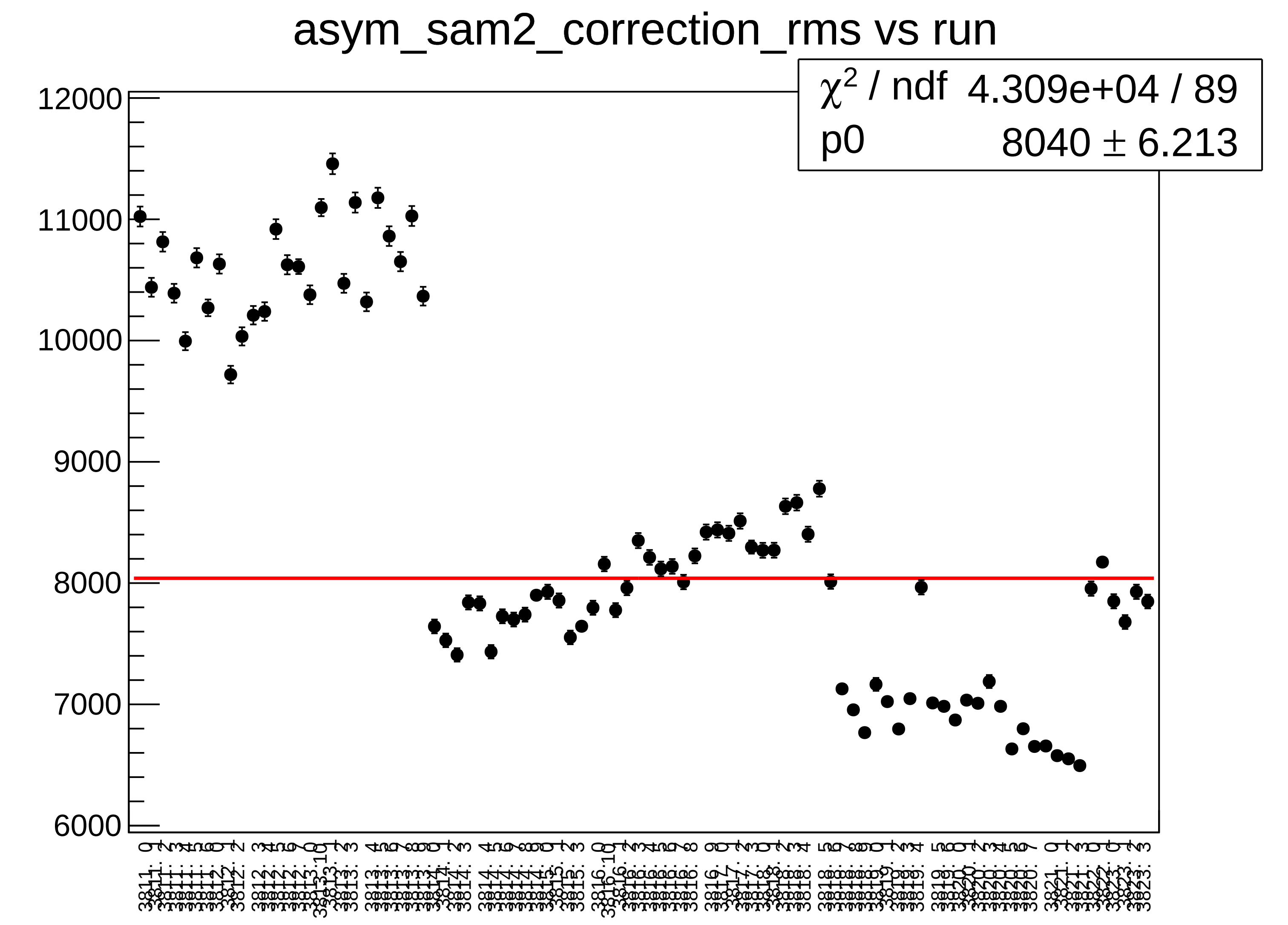
reg_asym_sam2_mean vs run
×10^3
χ2 / ndf 118.8 / 89
p0 −619.4 ± 2513
pull
Entries 90
Mean 30.85
Std Dev 18.07
pull1D
Entries 90
Mean 0.01772
Std Dev 1.149

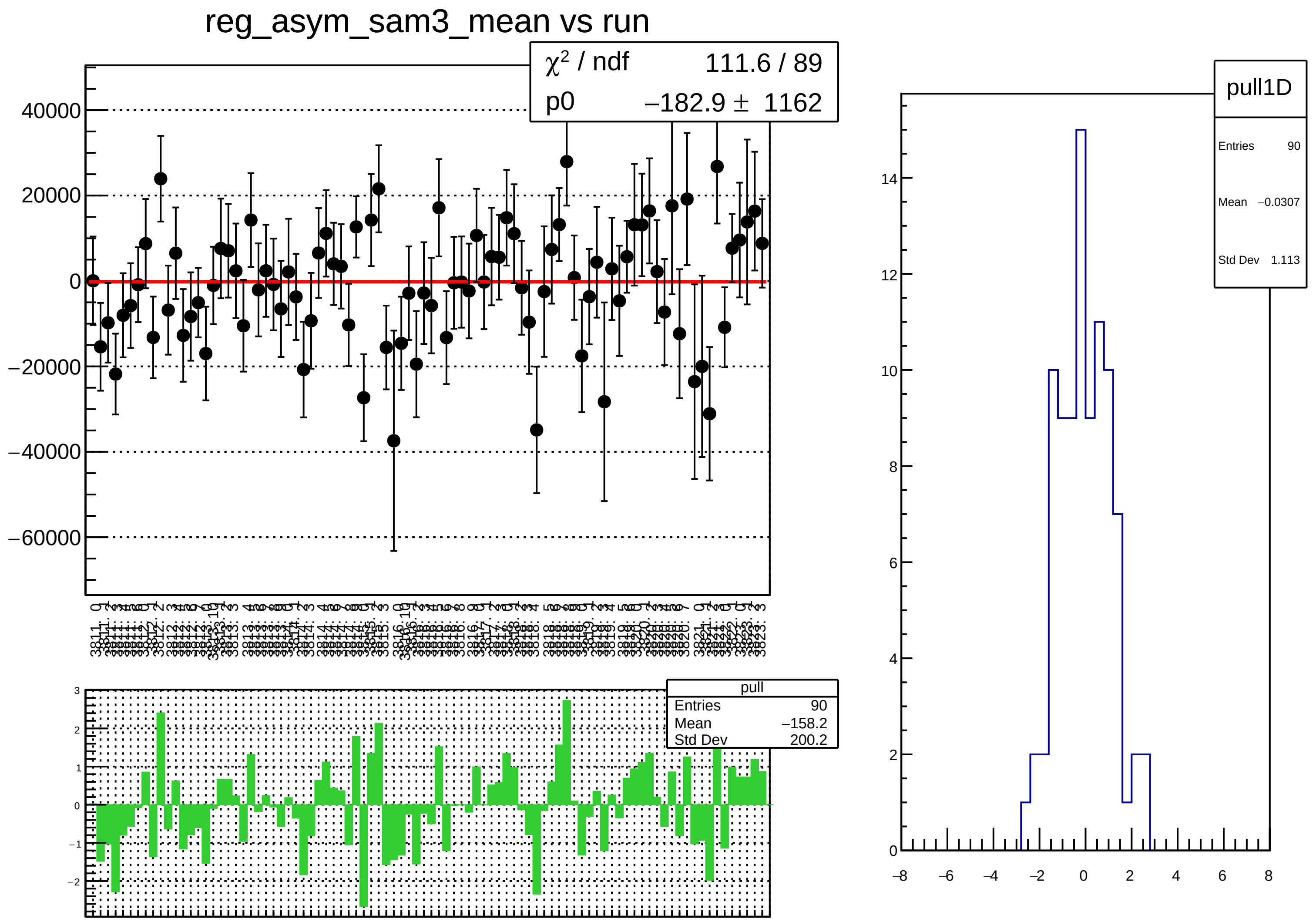
reg_asym_sam2_rms vs run



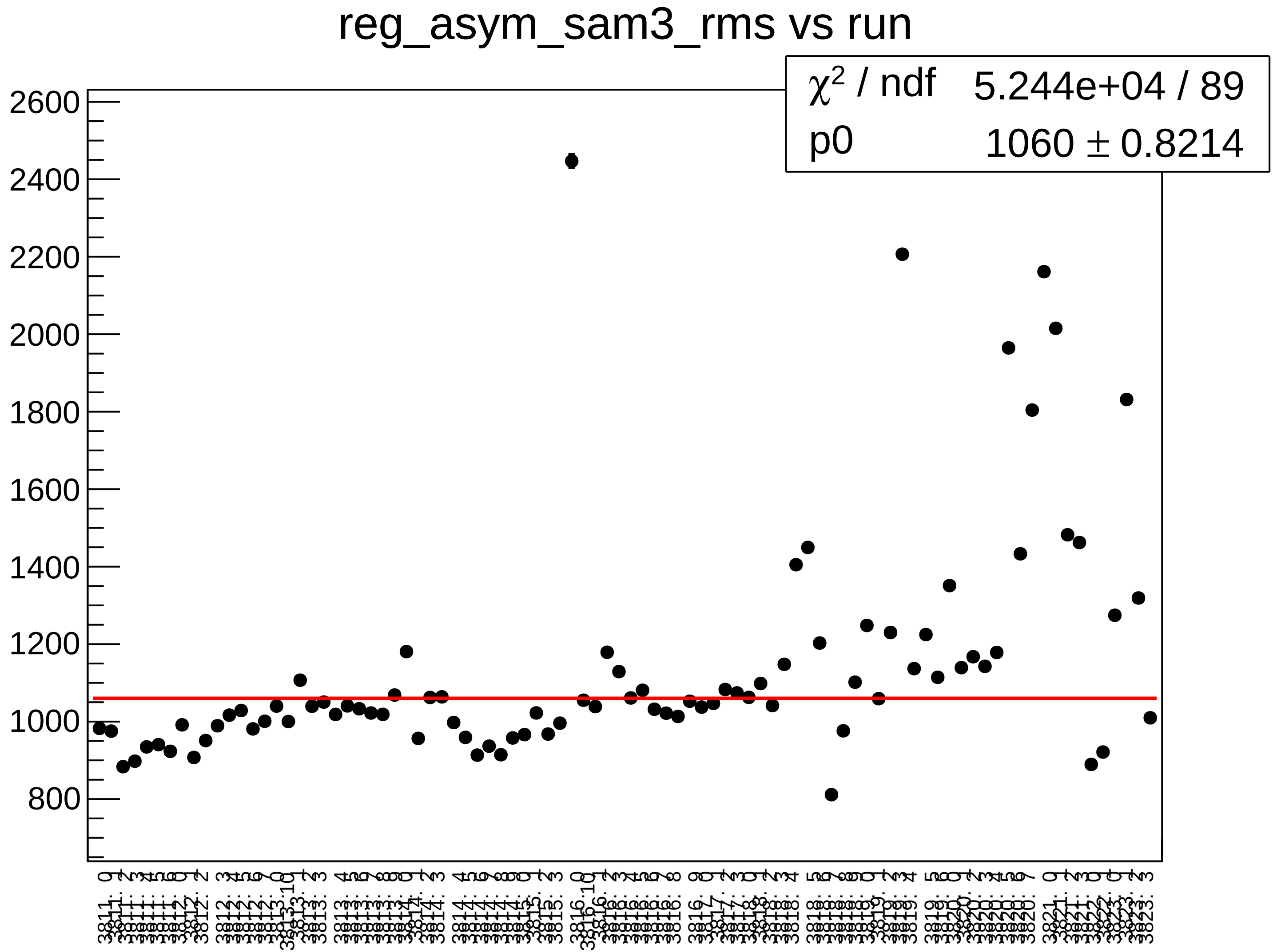


asym_sam2_correction_mean vs run
$\times 10^3$
χ^2 / ndf 55.92 / 89
p0 2866 ± 8786
pull
Entries 90
Mean −160.2
Std Dev 209.2
pull1D
Entries 90
Mean 0.01764
Std Dev 0.788

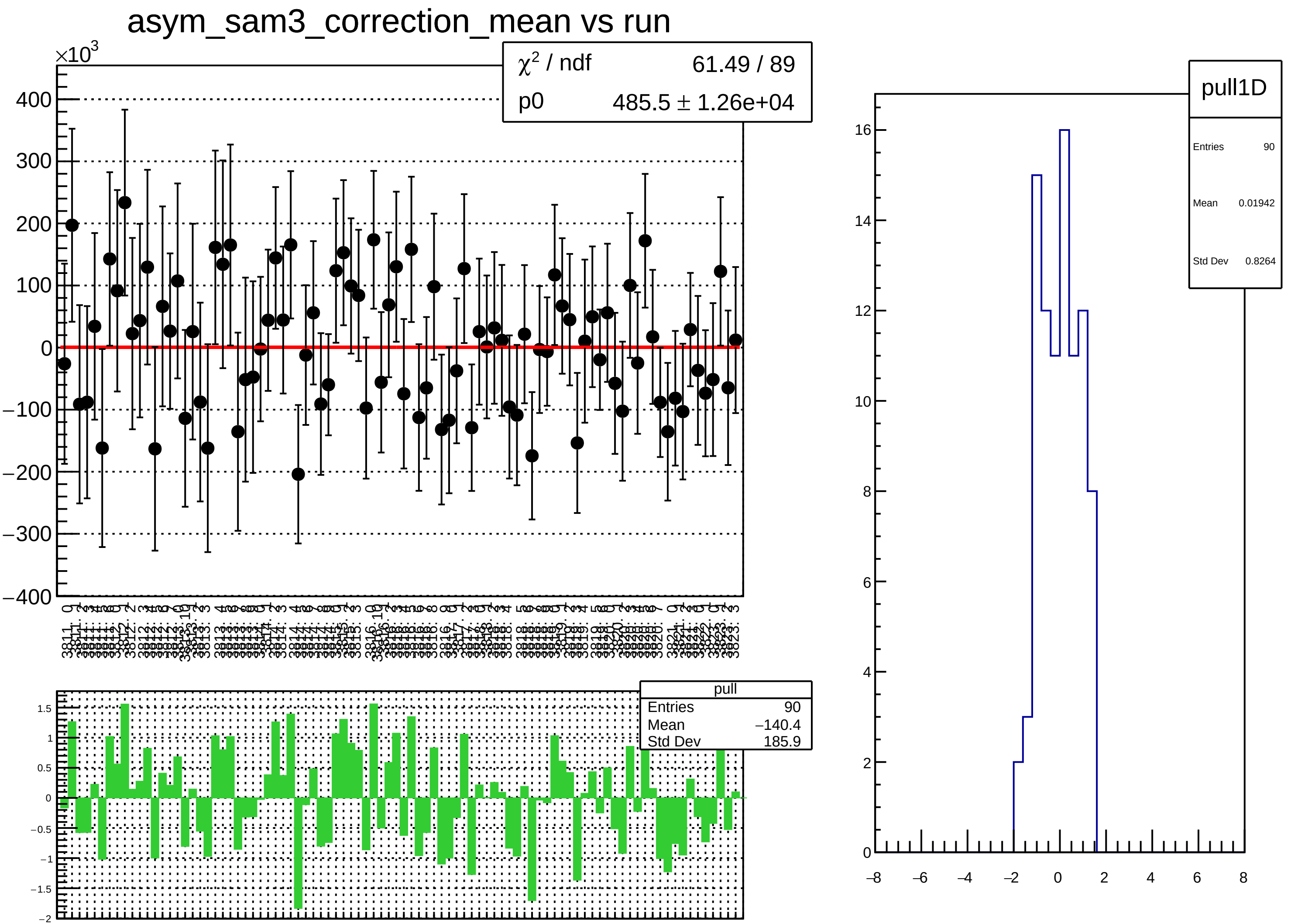

asym_sam2_correction_rms vs run
χ^2 / ndf 4.309e+04 / 89
p0 8040 ± 6.213
12000
11000
10000
9000
8000
7000
6000



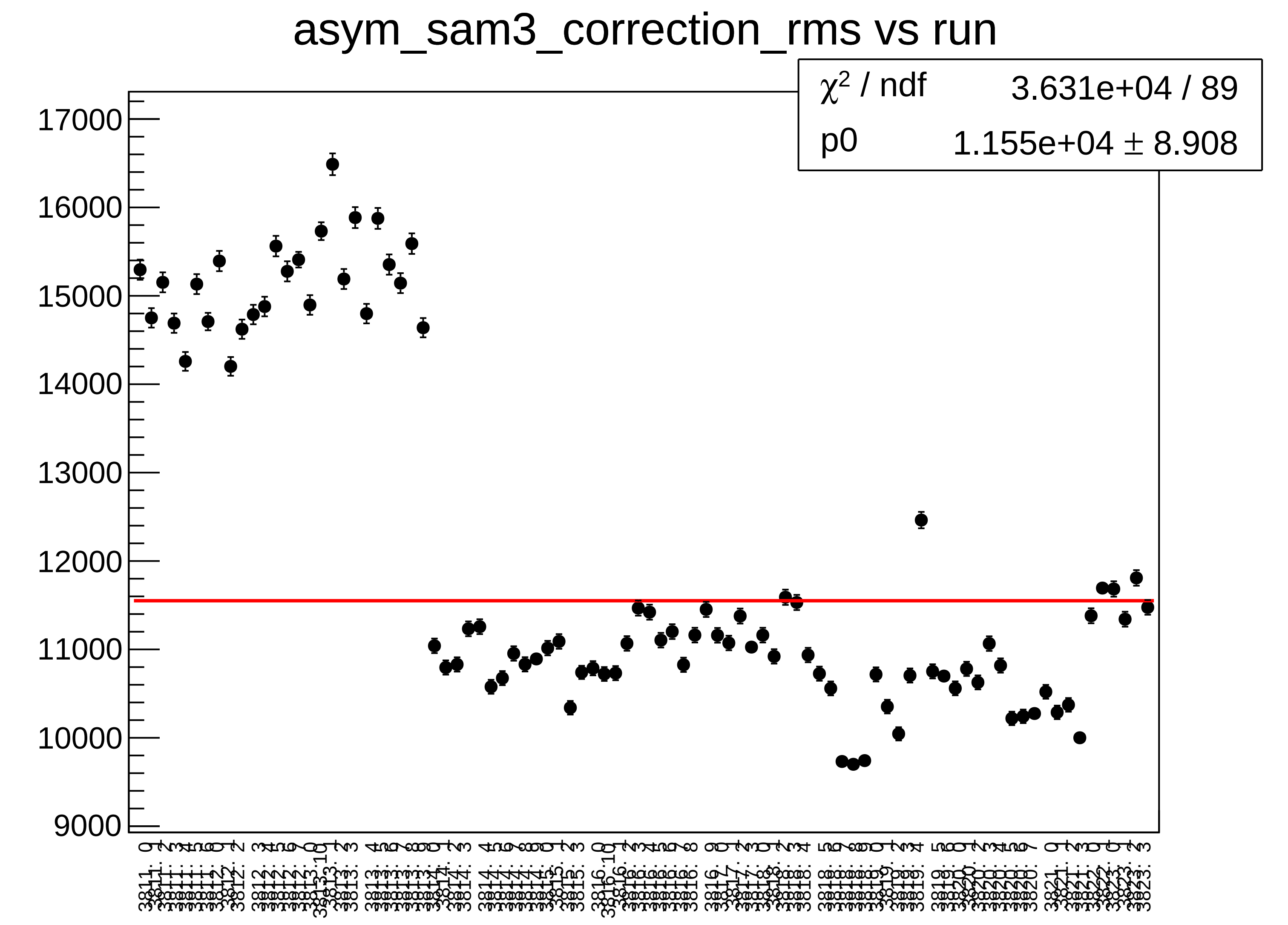
reg_asym_sam3_mean vs run
χ^2 / ndf 111.6 / 89
p0 −182.9 ± 1162
pull
Entries 90
Mean −158.2
Std Dev 200.2
pull1D
Entries 90
Mean −0.0307
Std Dev 1.113



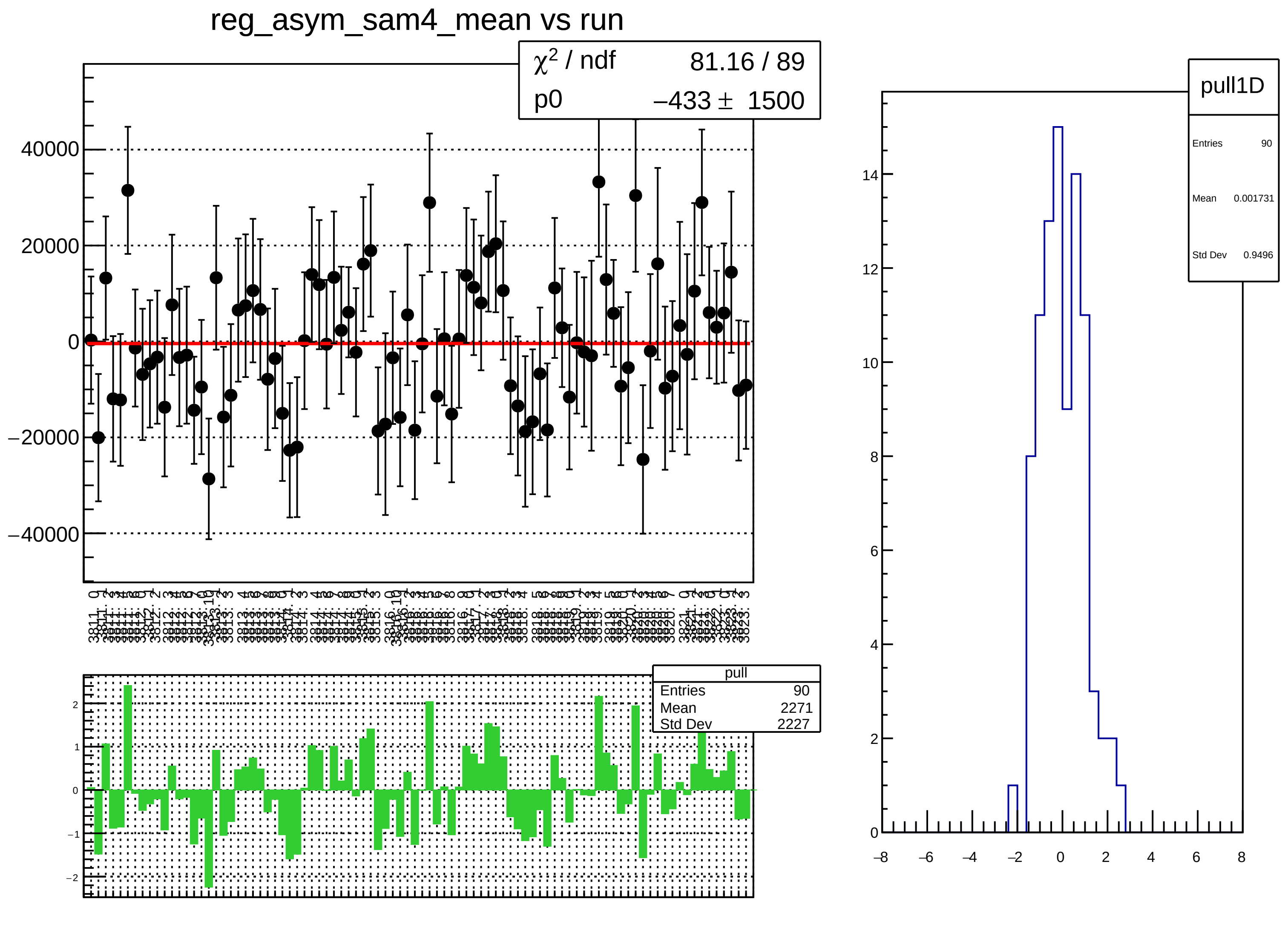
reg_asym_sam3_rms vs run
χ^2 / ndf 5.244e+04 / 89
p0 1060 ± 0.8214
2600
2400
2200
2000
1800
1600
1400
1200
1000
800



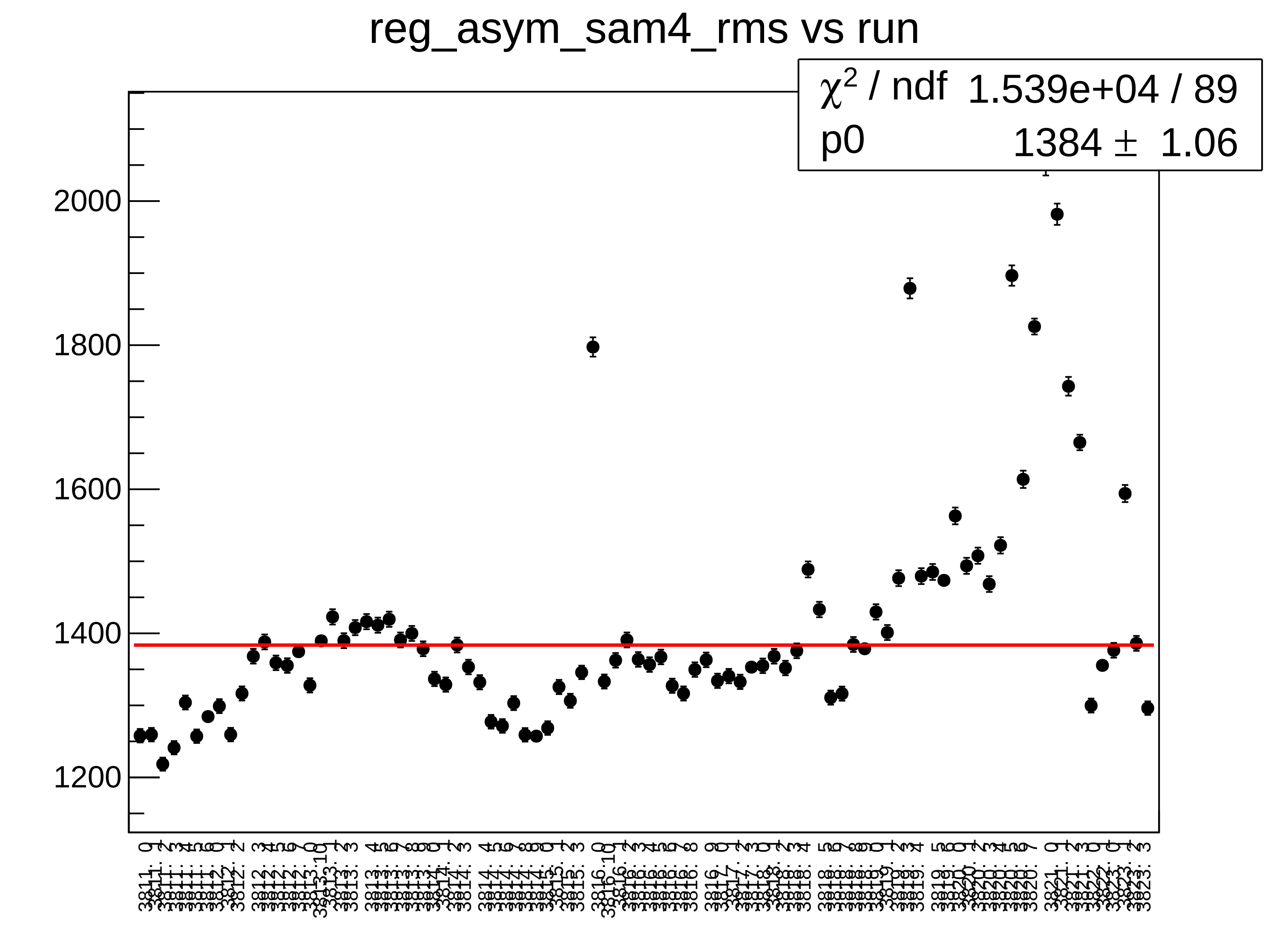
asym_sam3_correction_mean vs run
×10^3
χ2 / ndf 61.49 / 89
p0 485.5 ± 1.26e+04
pull
Entries 90
Mean −140.4
Std Dev 185.9
pull1D
Entries 90
Mean 0.01942
Std Dev 0.8264

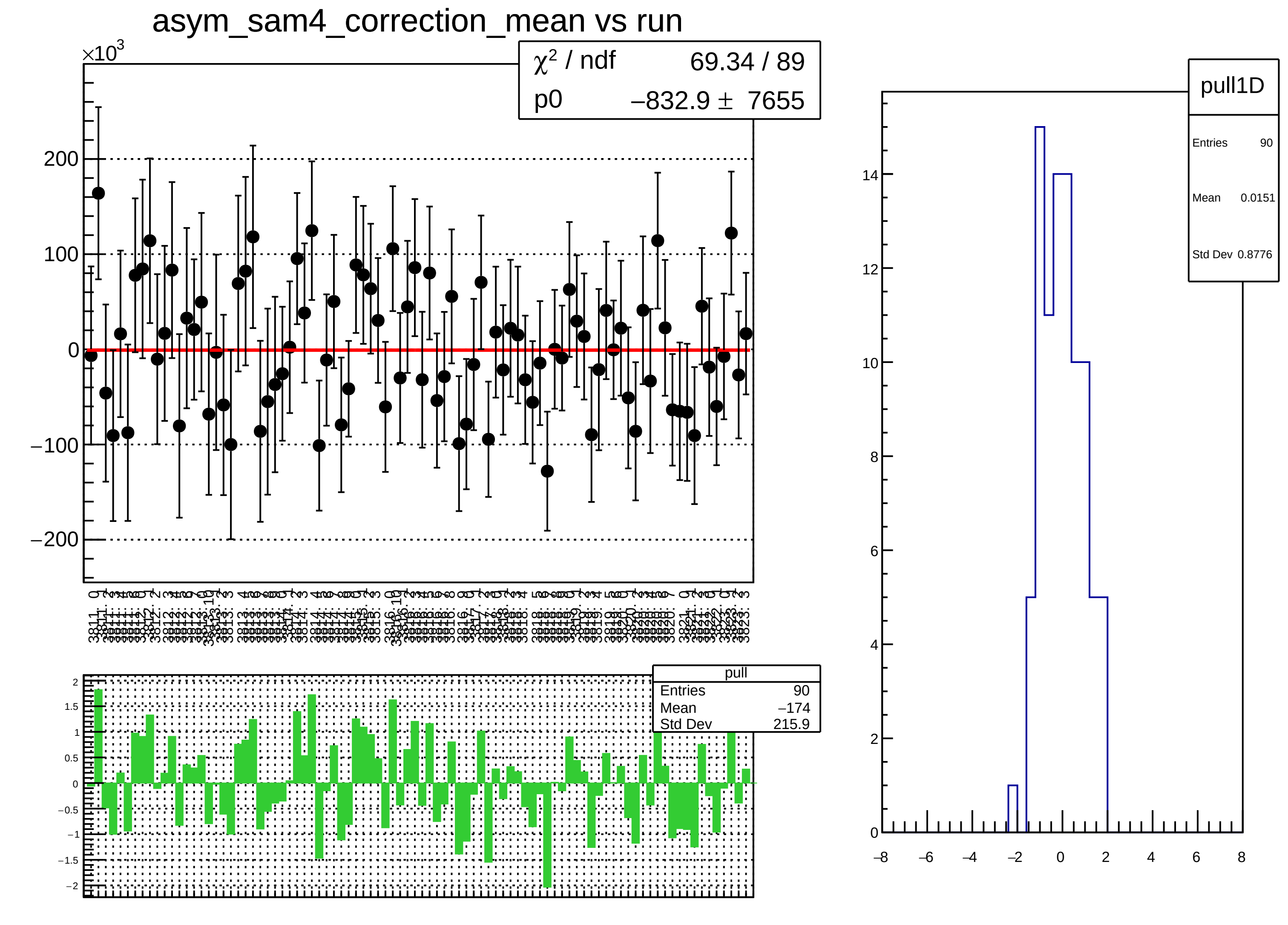


asym_sam3_correction_rms vs run
χ^2 / ndf 3.631e+04 / 89
p0 1.155e+04 ± 8.908
17000
16000
15000
14000
13000
12000
11000
10000
9000

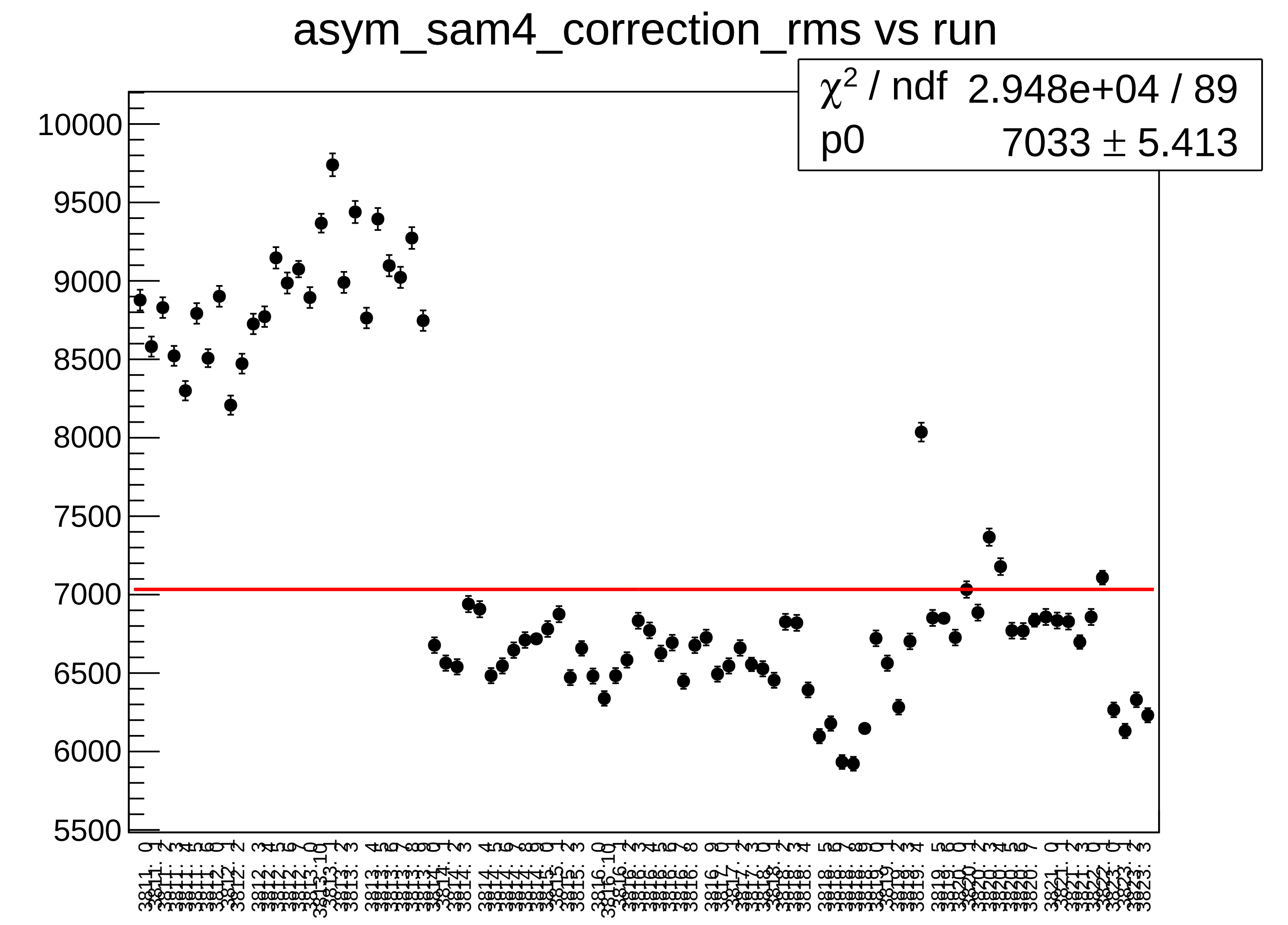


reg_asym_sam4_mean vs run
χ2 / ndf 81.16 / 89
p0 −433 ± 1500
pull
Entries 90
Mean 2271
Std Dev 2227
pull1D
Entries 90
Mean 0.001731
Std Dev 0.9496

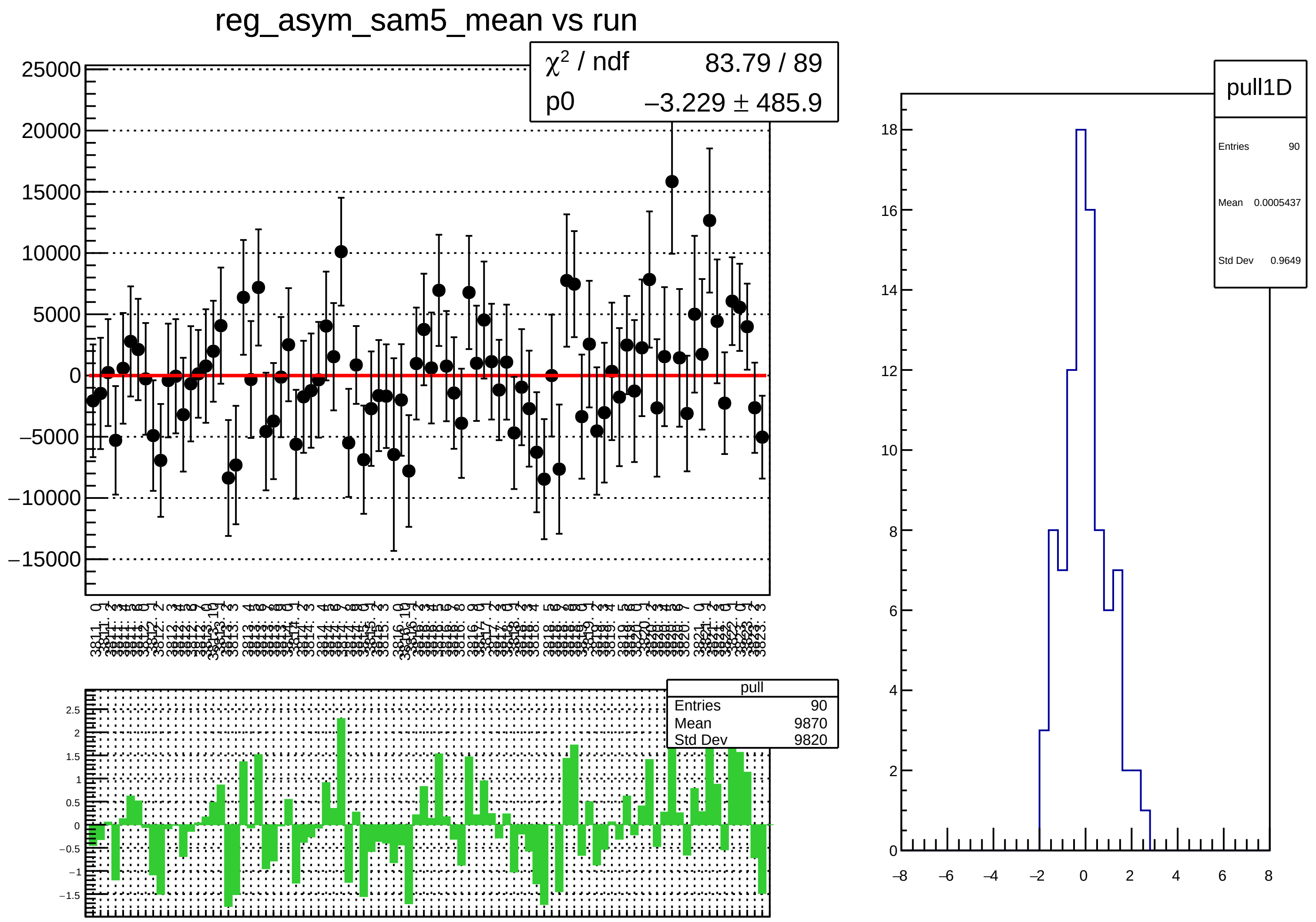

reg_asym_sam4_rms vs run
χ^2 / ndf 1.539e+04 / 89
p0 1384 ± 1.06
2000
1800
1600
1400
1200



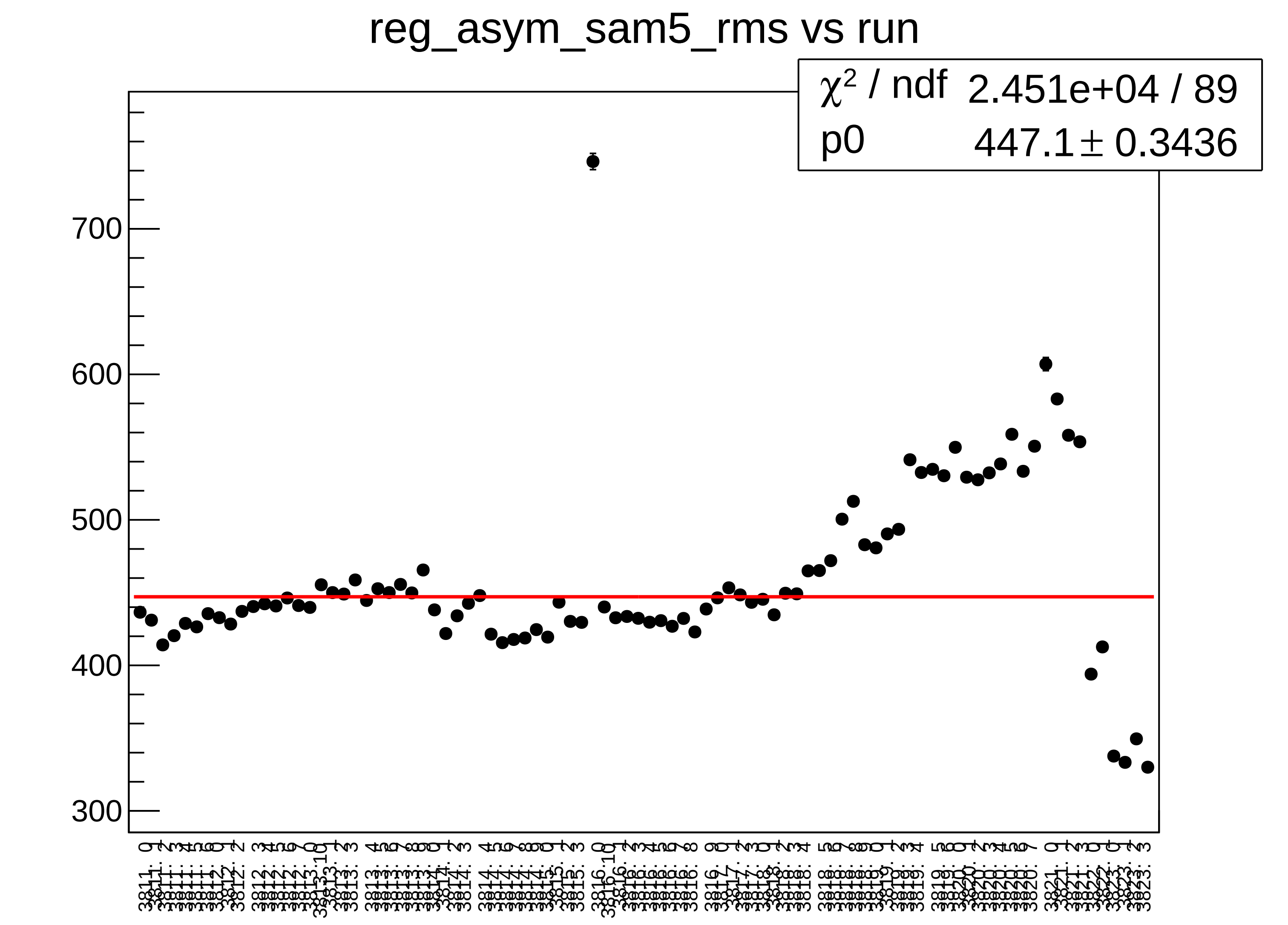
asym_sam4_correction_mean vs run
χ^2 / ndf 69.34 / 89
p0 −832.9 ± 7655
×10^3
200
100
0
−100
−200
pull
Entries 90
Mean −174
Std Dev 215.9
pull1D
Entries 90
Mean 0.0151
Std Dev 0.8776



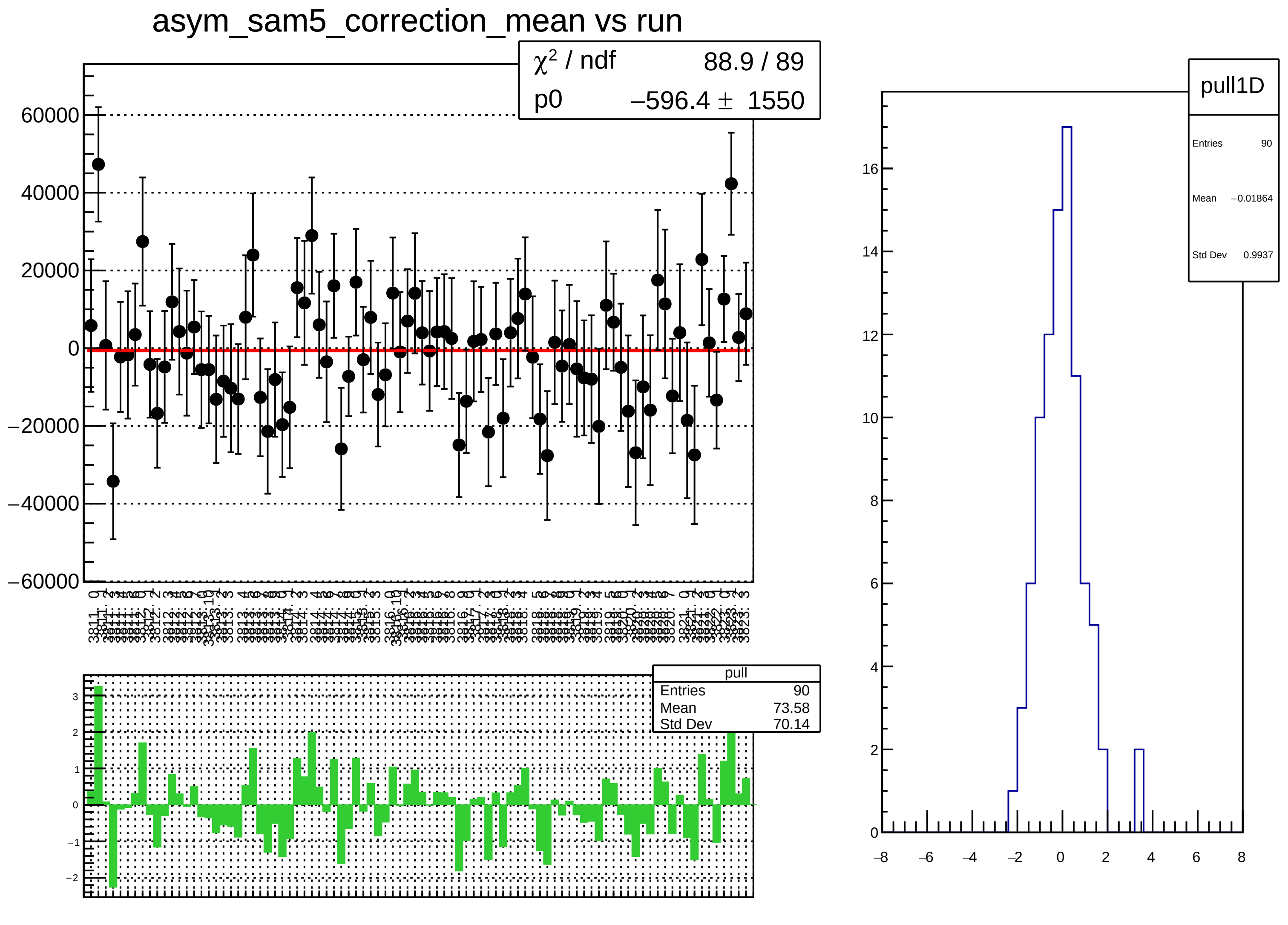
asym_sam4_correction_rms vs run
χ^2 / ndf 2.948e+04 / 89
p0 7033 ± 5.413
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500

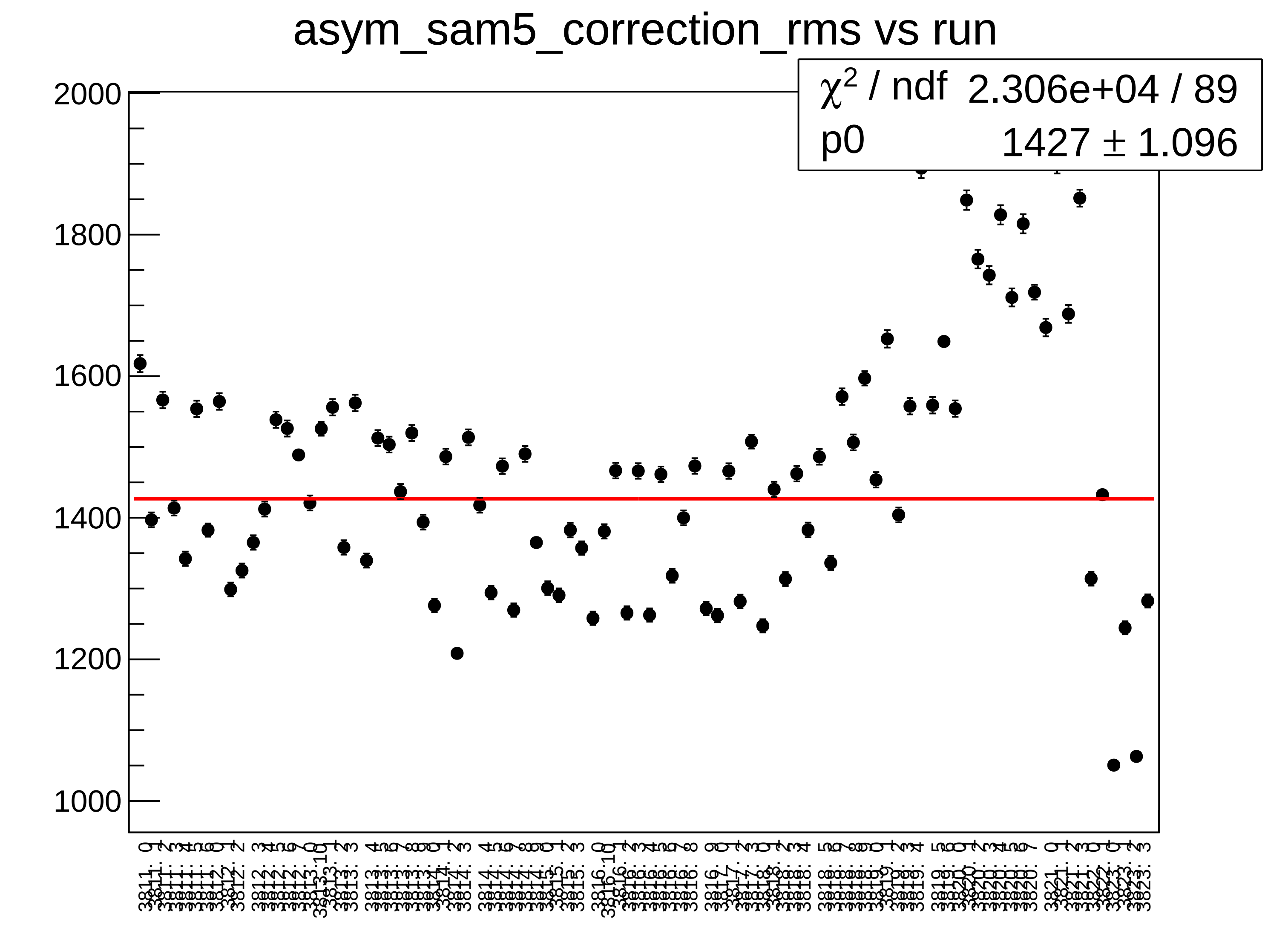


reg_asym_sam5_mean vs run
χ^2 / ndf 83.79 / 89
p0 −3.229 ± 485.9
pull
Entries 90
Mean 9870
Std Dev 9820
pull1D
Entries 90
Mean 0.0005437
Std Dev 0.9649

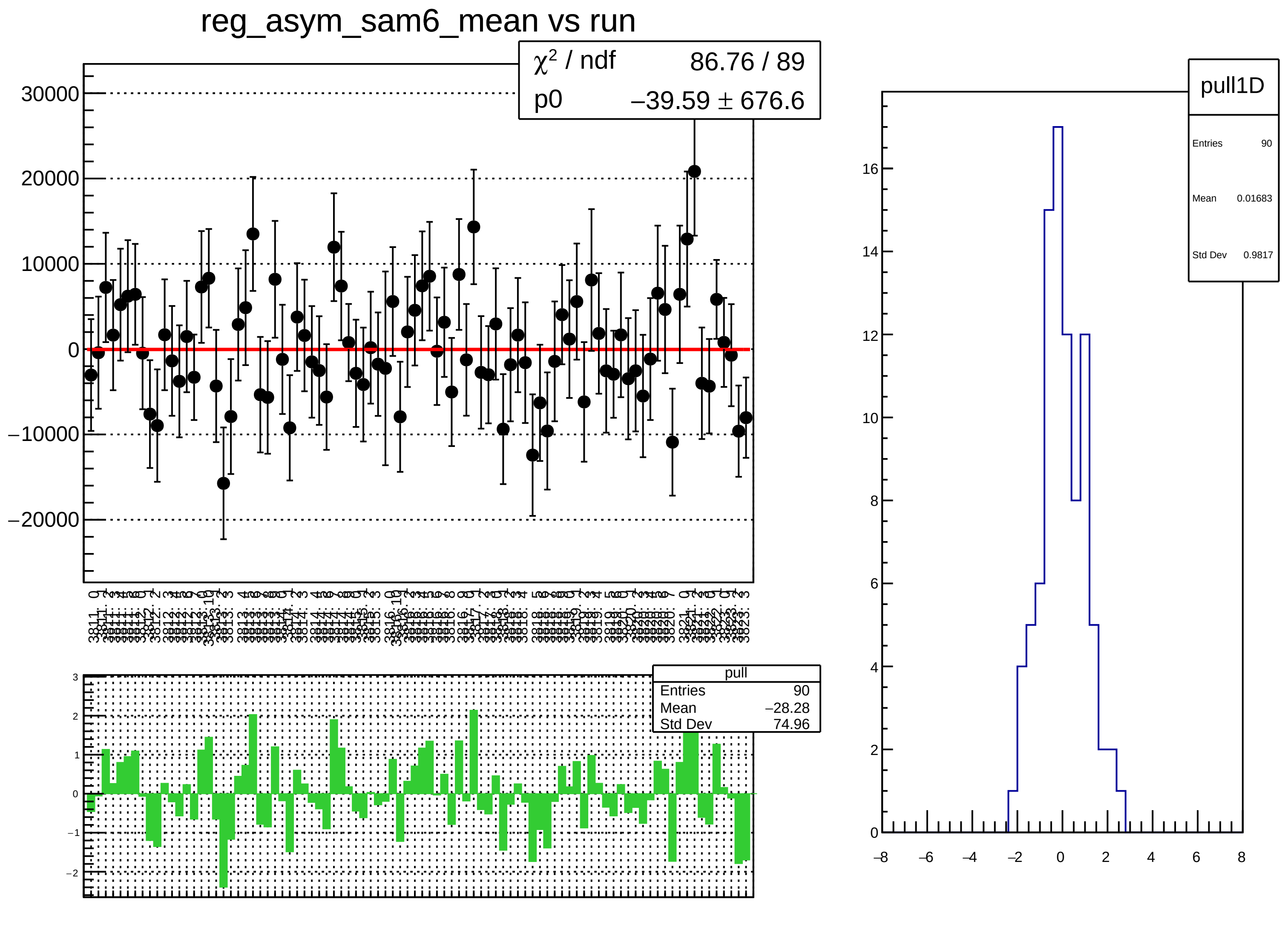


reg_asym_sam5_rms vs run
χ2 / ndf 2.451e+04 / 89
p0 447.1 ± 0.3436
700
600
500
400
300

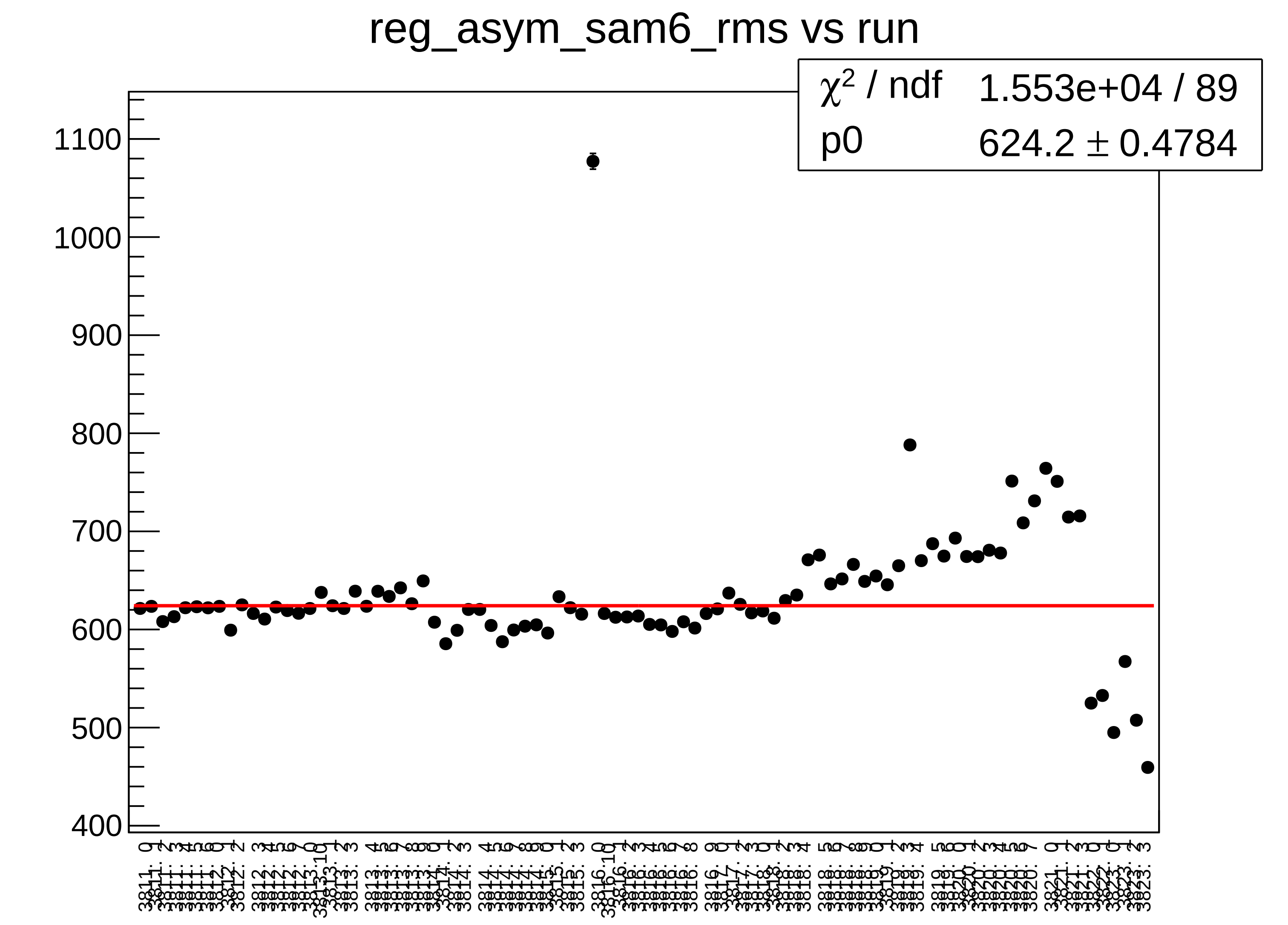

asym_sam5_correction_mean vs run
χ^2 / ndf 88.9 / 89
p0 −596.4 ± 1550
pull
Entries 90
Mean 73.58
Std Dev 70.14
pull1D
Entries 90
Mean −0.01864
Std Dev 0.9937

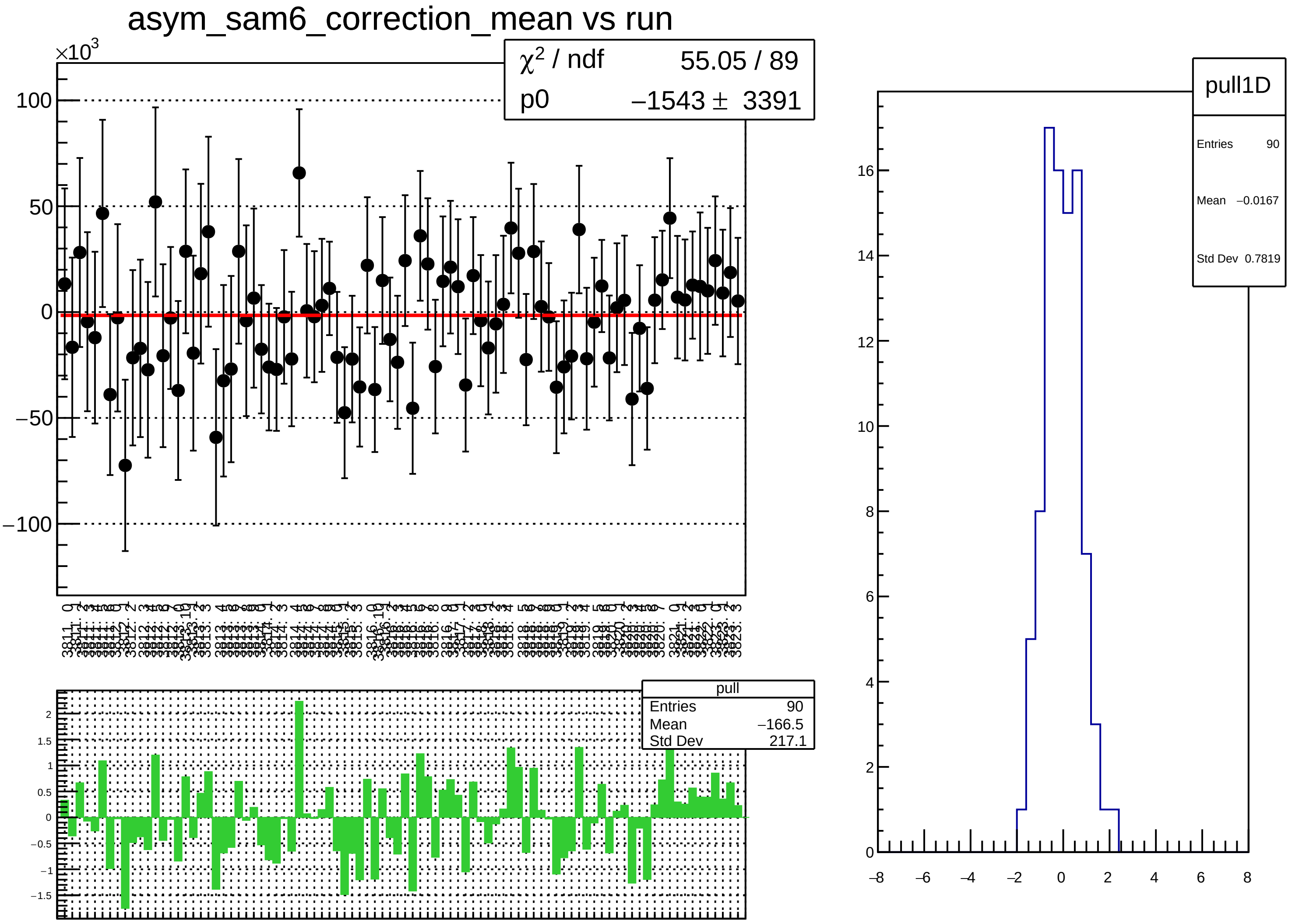


asym_sam5_correction_rms vs run
χ^2 / ndf 2.306e+04 / 89
p0 1427 ± 1.096
2000
1800
1600
1400
1200
1000

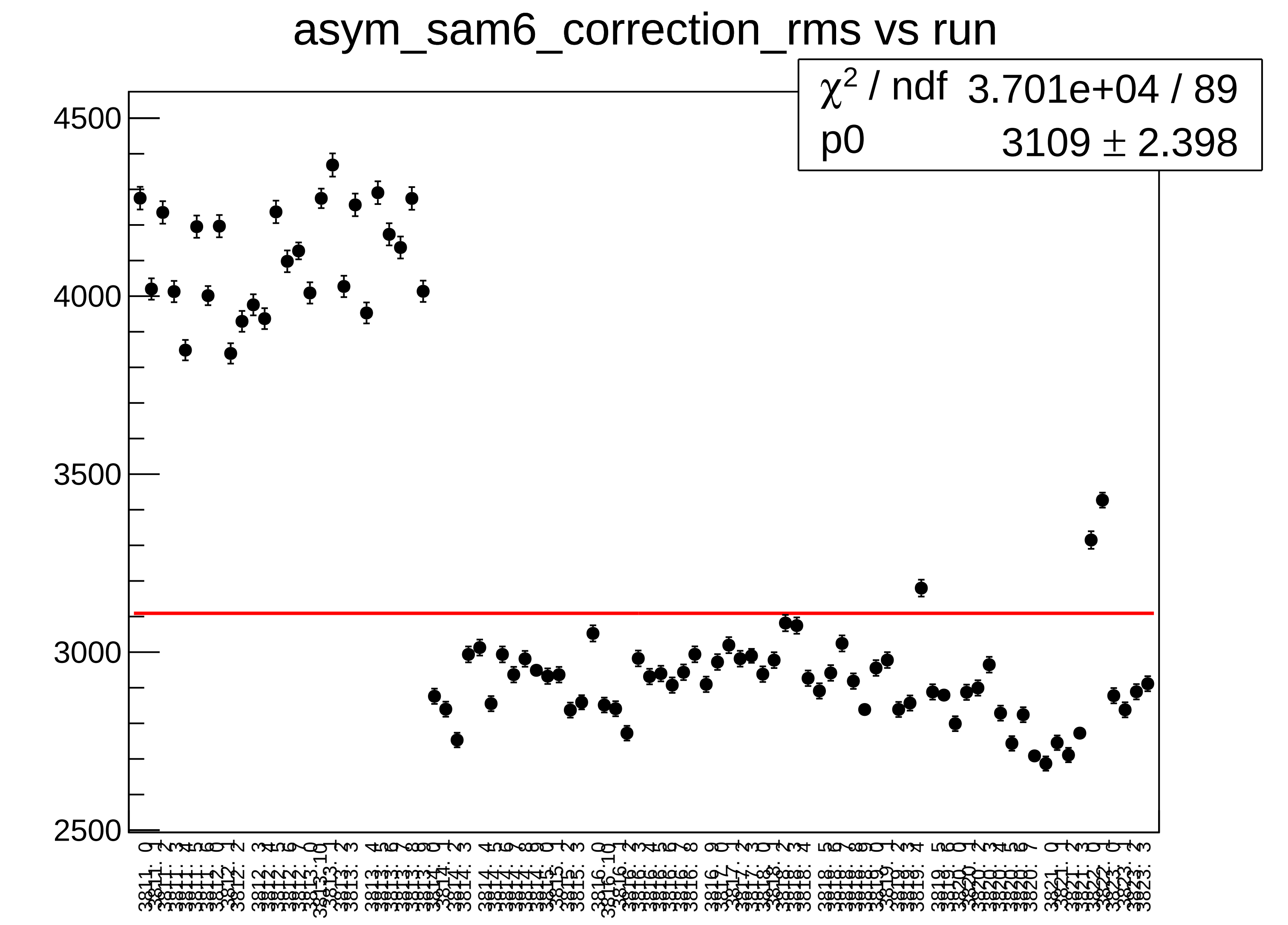


reg_asym_sam6_mean vs run
χ^2 / ndf 86.76 / 89
p0 −39.59 ± 676.6
pull
Entries 90
Mean −28.28
Std Dev 74.96
pull1D
Entries 90
Mean 0.01683
Std Dev 0.9817

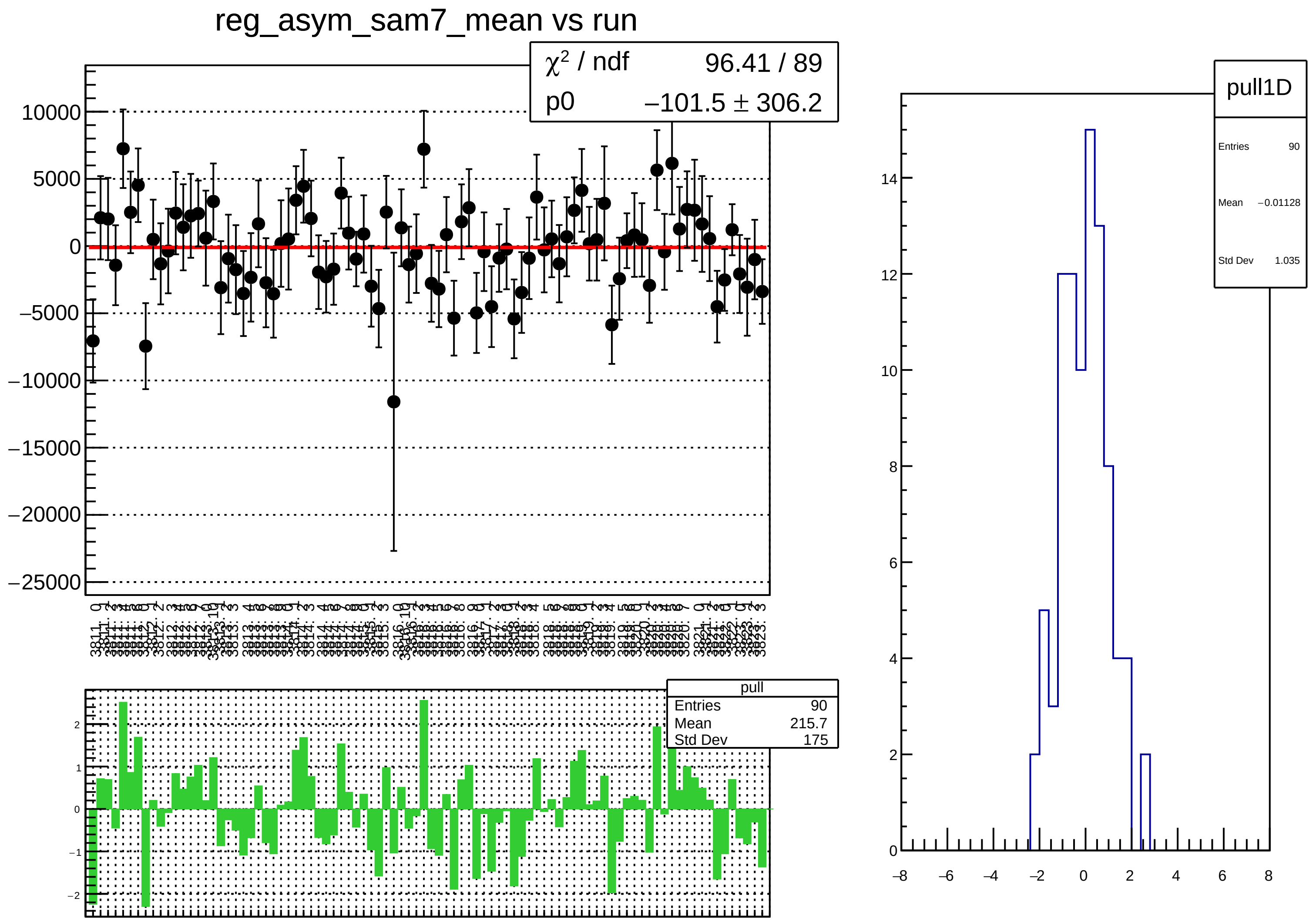

reg_asym_sam6_rms vs run
χ^2 / ndf 1.553e+04 / 89
p0 624.2 ± 0.4784
1100
1000
900
800
700
600
500
400



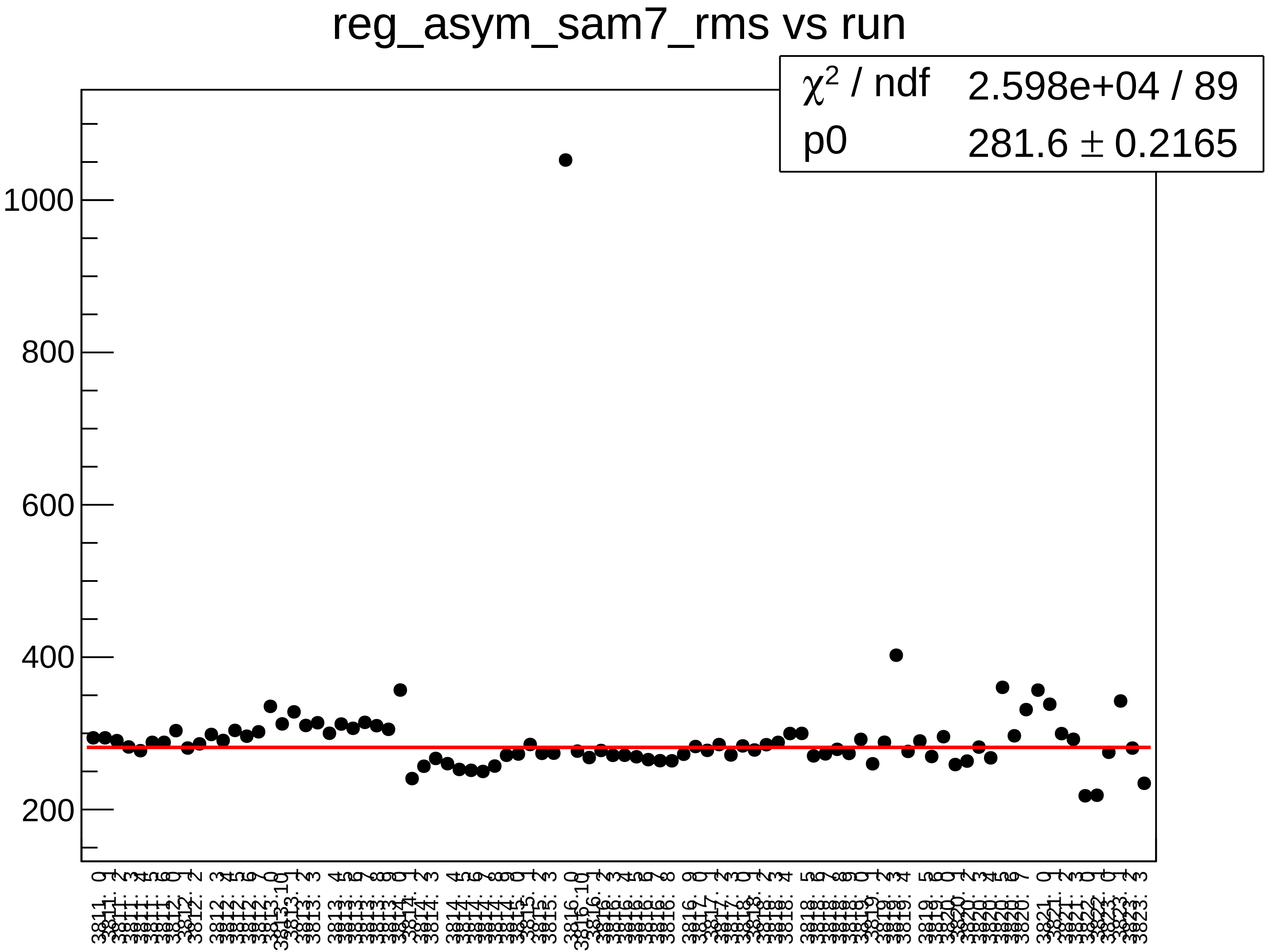
asym_sam6_correction_mean vs run
$\times10^3$
χ^2 / ndf 55.05 / 89
p0 −1543 ± 3391
pull
Entries 90
Mean −166.5
Std Dev 217.1
pull1D
Entries 90
Mean −0.0167
Std Dev 0.7819

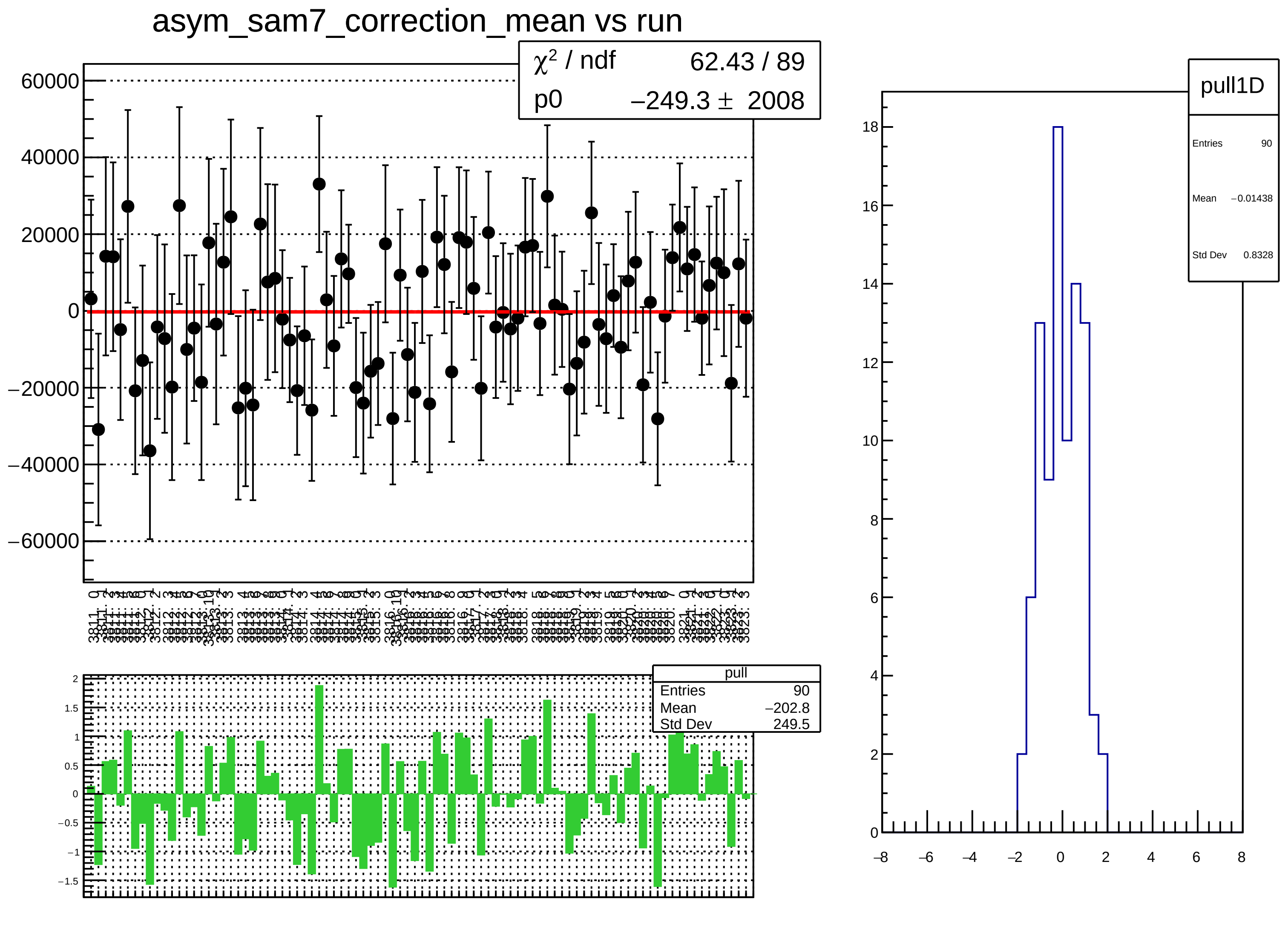


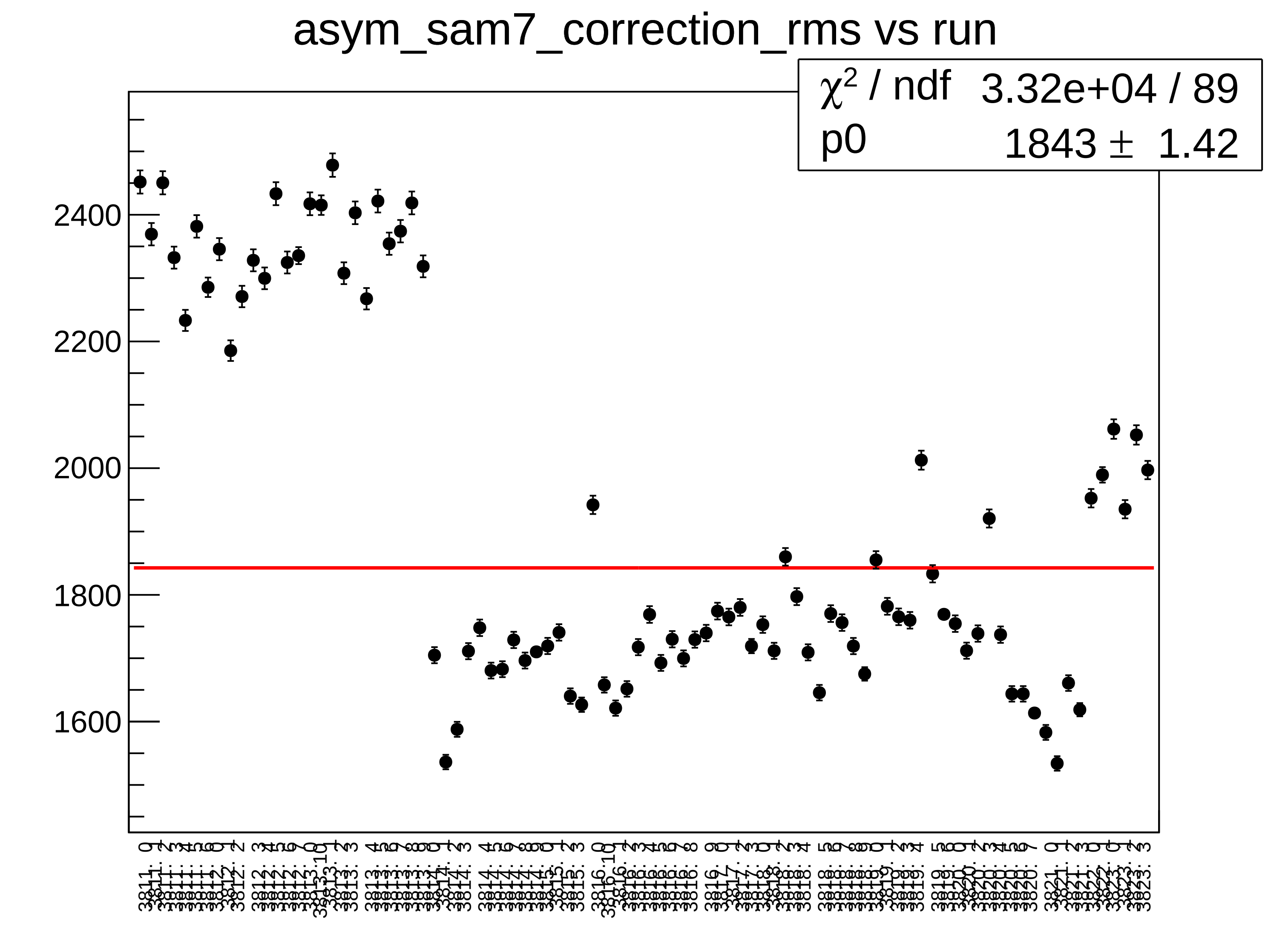
asym_sam6_correction_rms vs run
χ^2 / ndf 3.701e+04 / 89
p0 3109 ± 2.398
4500
4000
3500
3000
2500



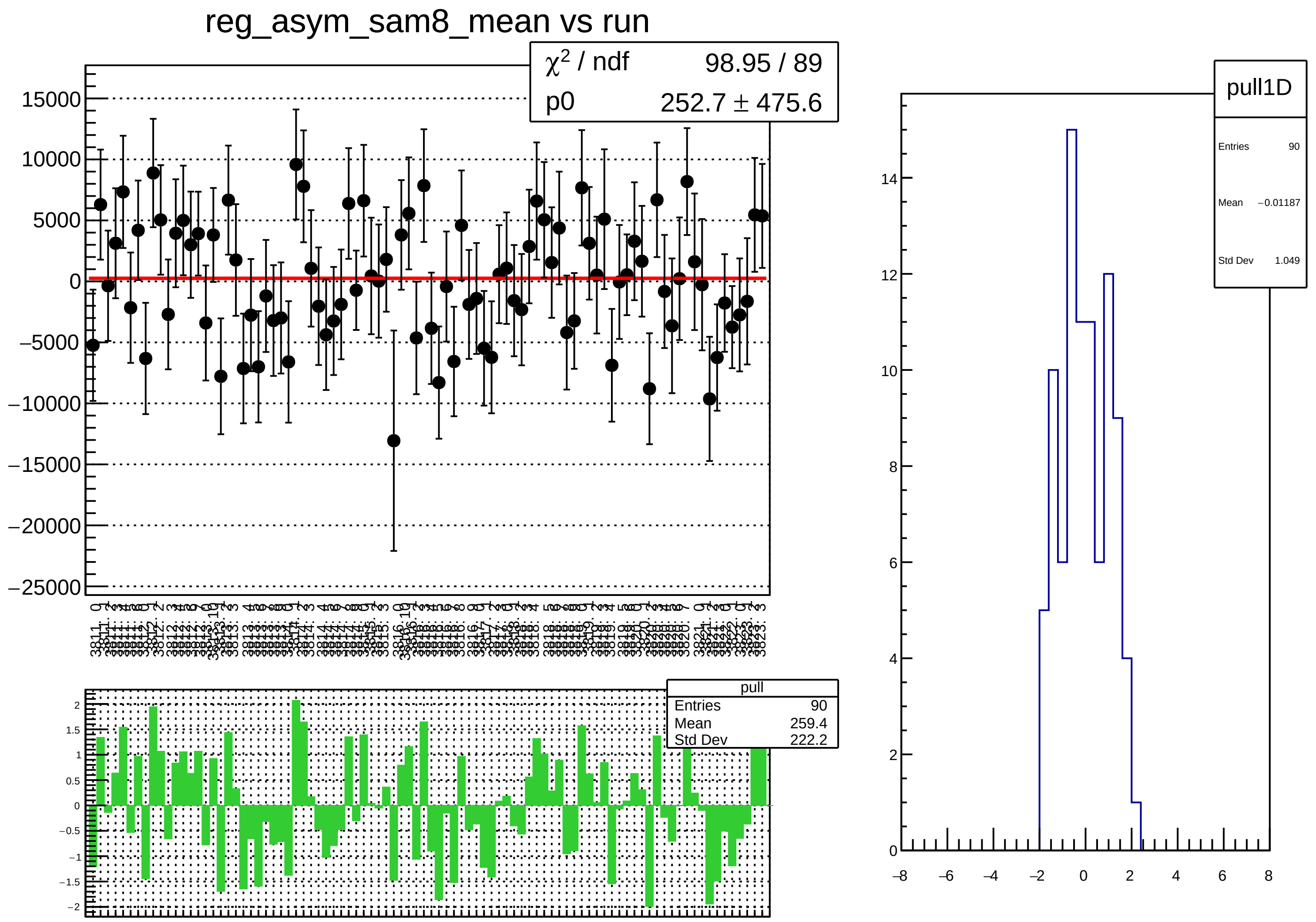
reg_asym_sam7_mean vs run
χ2 / ndf 96.41 / 89
p0 −101.5 ± 306.2
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 90
Mean 215.7
Std Dev 175
2
1
0
−1
−2
pull1D
Entries 90
Mean −0.01128
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam7_rms vs run
χ^2 / ndf 2.598e+04 / 89
p0 281.6 ± 0.2165
1000
800
600
400
200


asym_sam7_correction_mean vs run
χ^2 / ndf 62.43 / 89
p0 −249.3 ± 2008
pull
Entries 90
Mean −202.8
Std Dev 249.5
pull1D
Entries 90
Mean −0.01438
Std Dev 0.8328

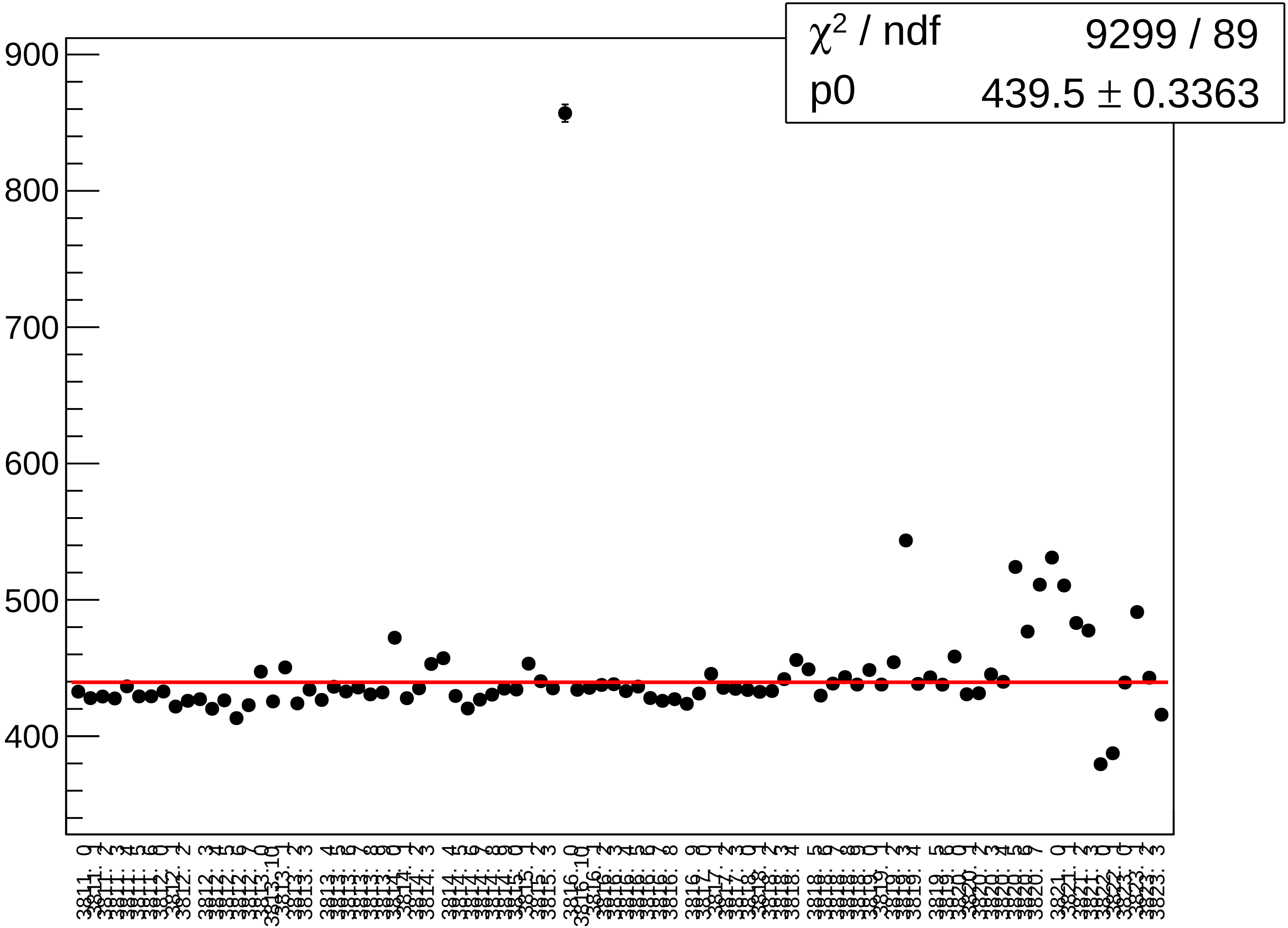


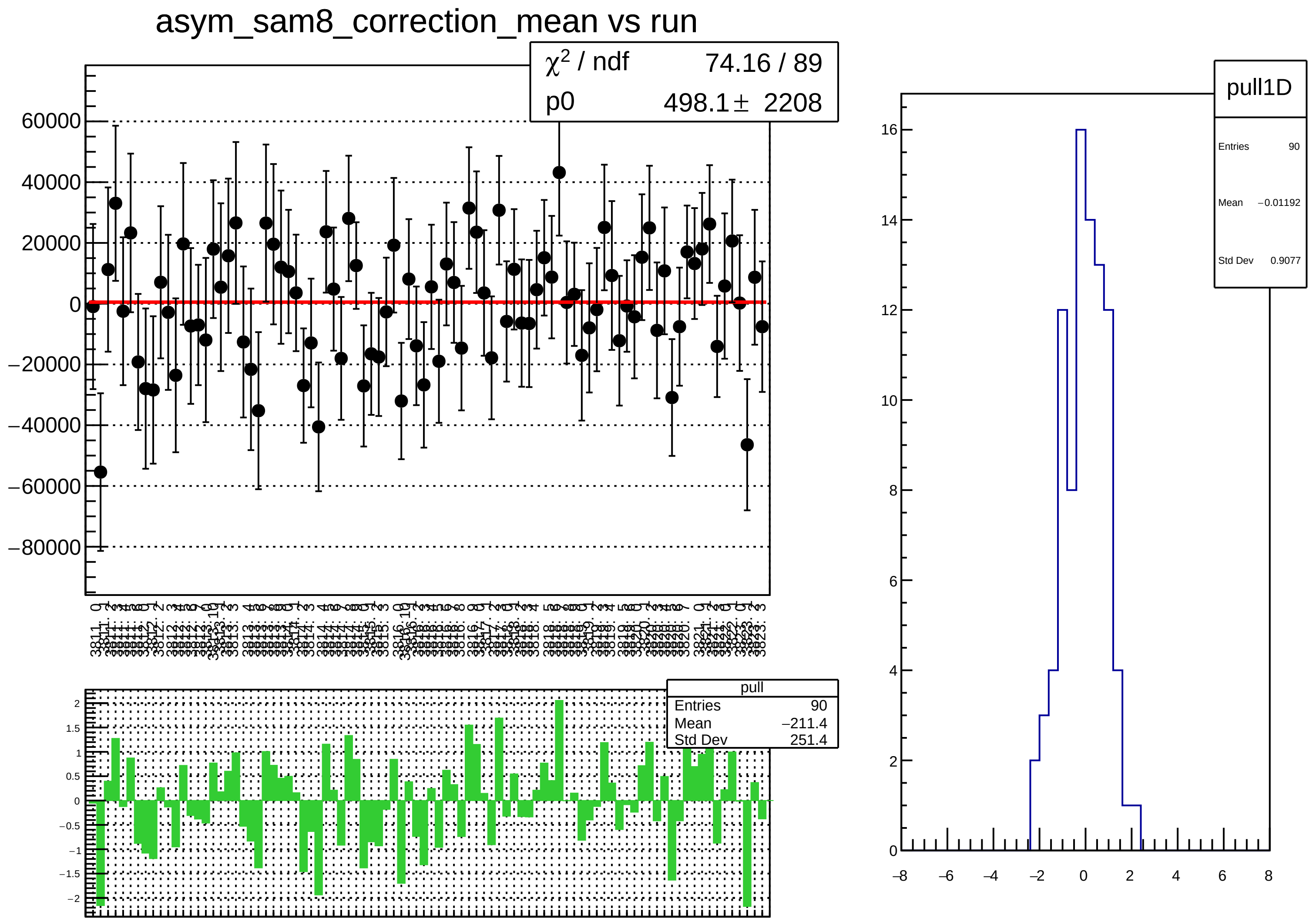
asym_sam7_correction_rms vs run
χ2 / ndf 3.32e+04 / 89
p0 1843 ± 1.42
2400
2200
2000
1800
1600



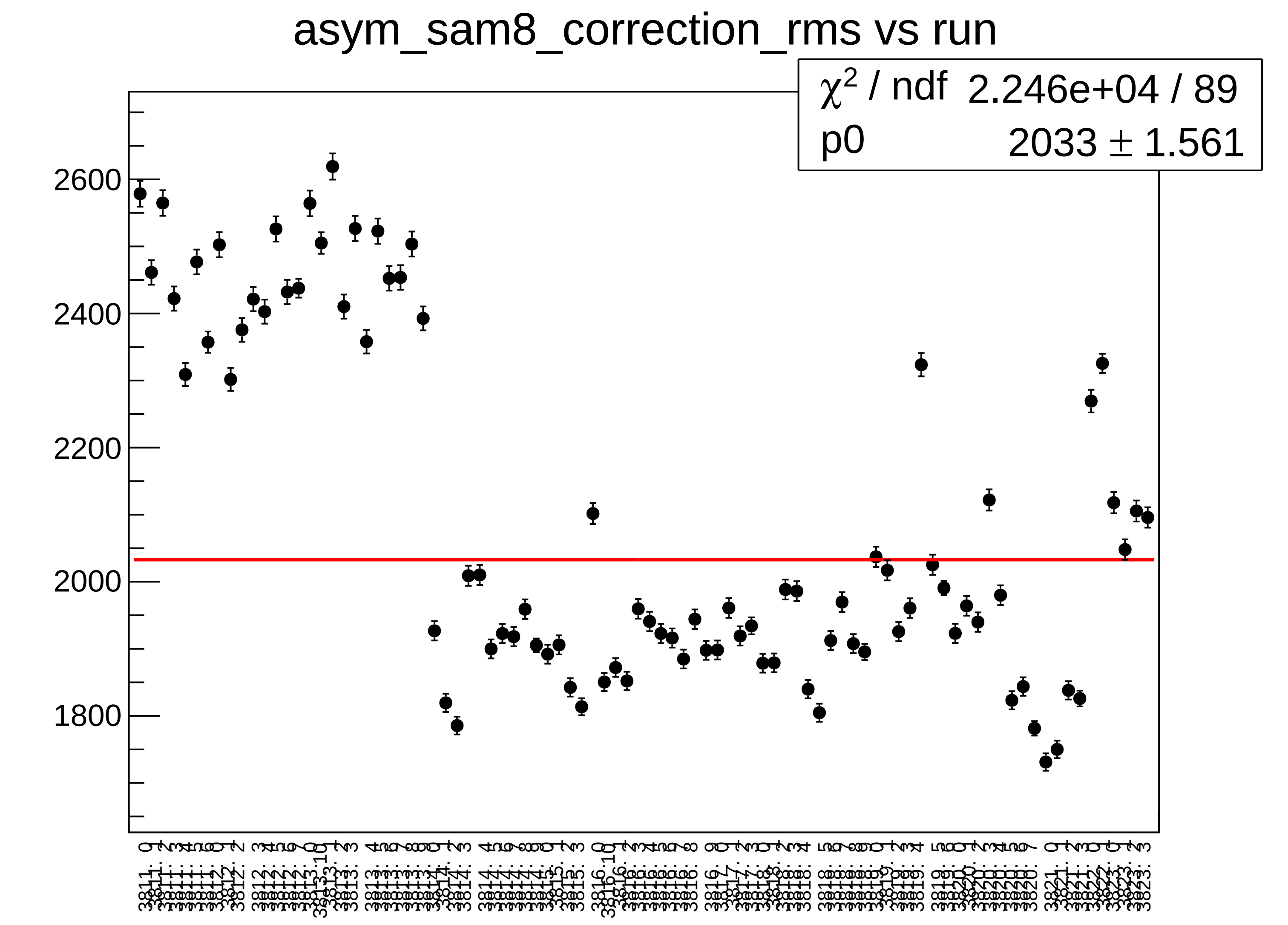
reg_asym_sam8_mean vs run
χ2 / ndf 98.95 / 89
p0 252.7 ± 475.6
pull
Entries 90
Mean 259.4
Std Dev 222.2
pull1D
Entries 90
Mean −0.01187
Std Dev 1.049

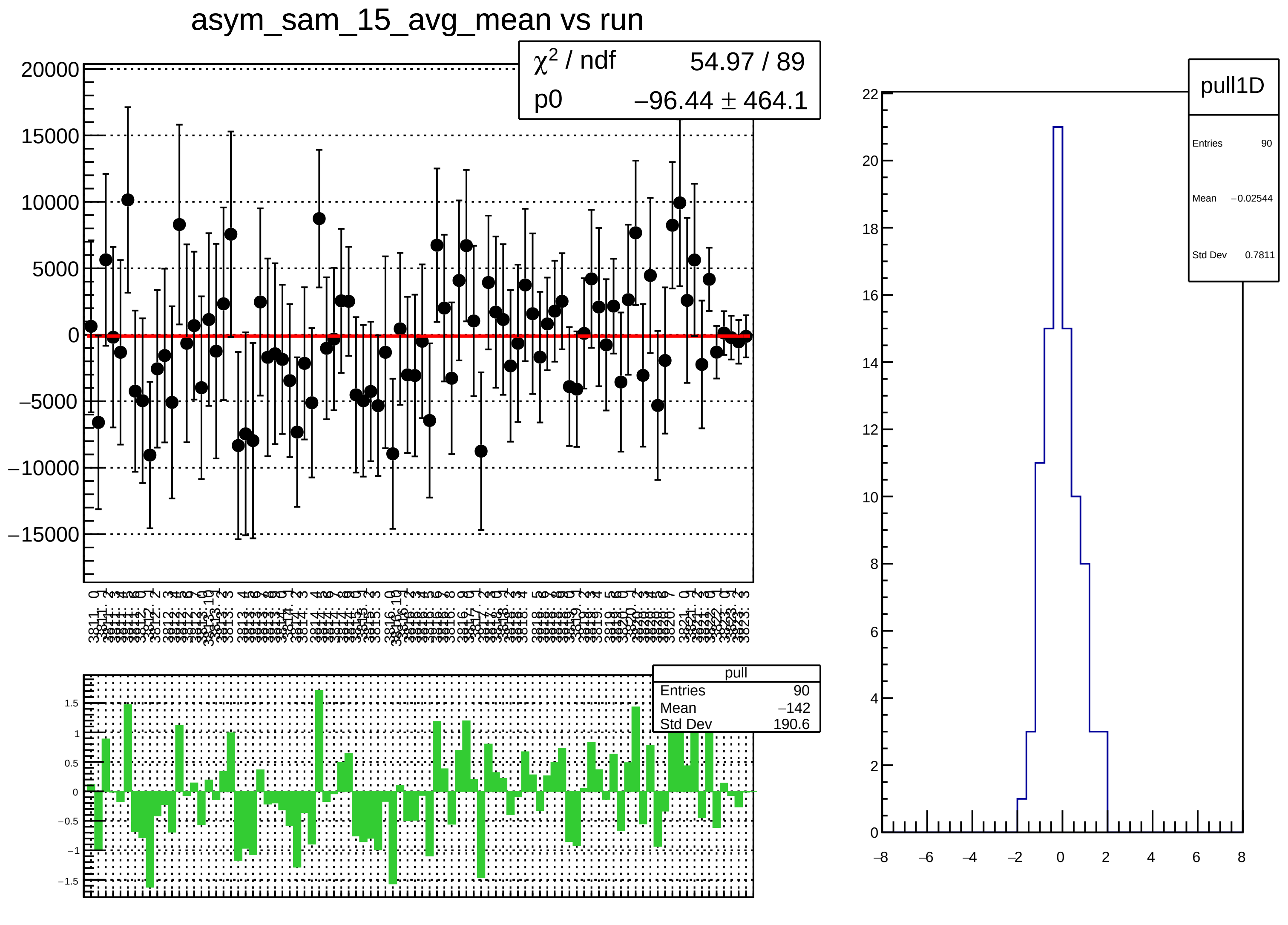
reg_asym_sam8_rms vs run



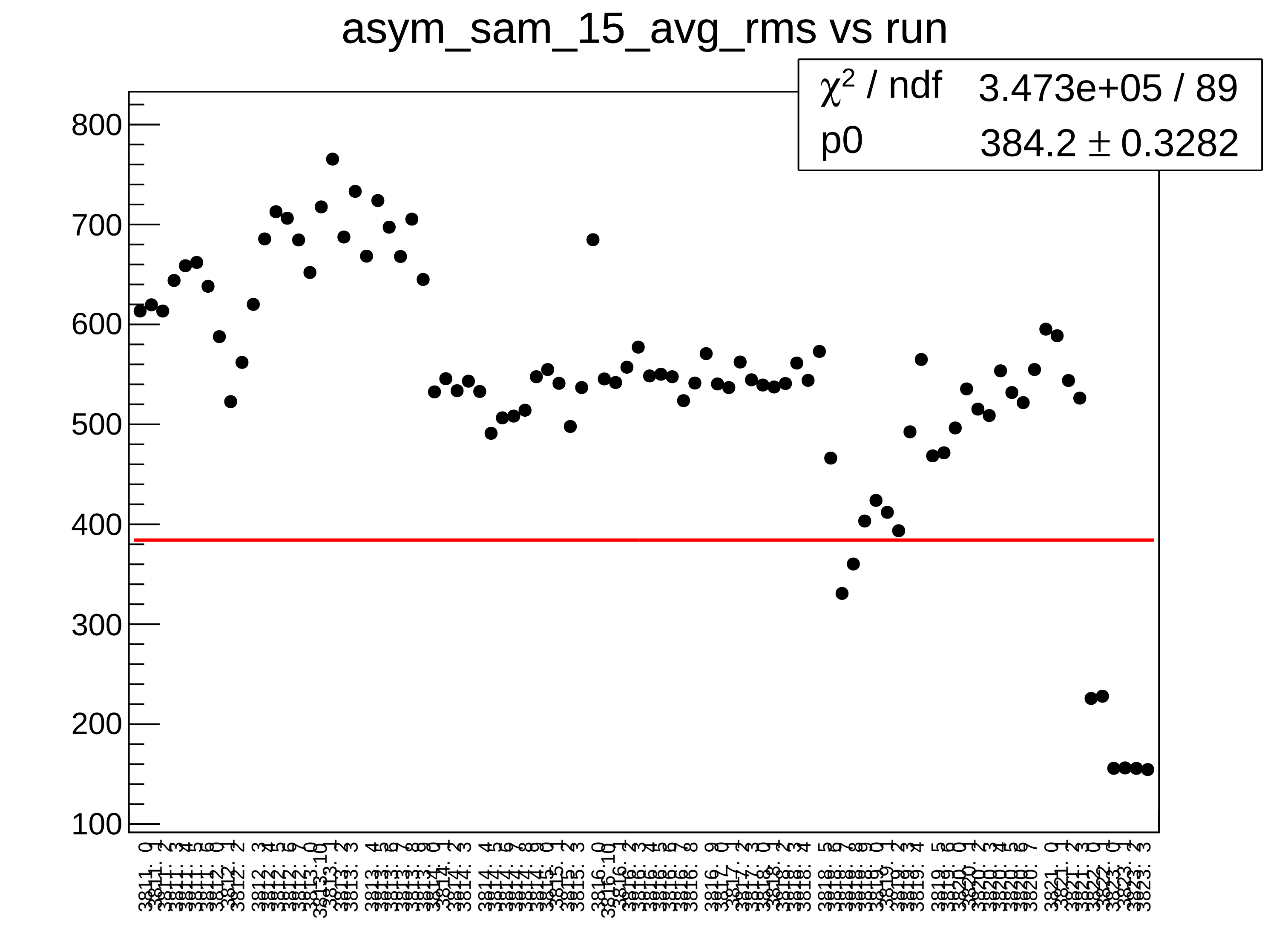


asym_sam8_correction_mean vs run
χ^2 / ndf 74.16 / 89
p0 498.1 ± 2208
pull
Entries 90
Mean −211.4
Std Dev 251.4
pull1D
Entries 90
Mean −0.01192
Std Dev 0.9077

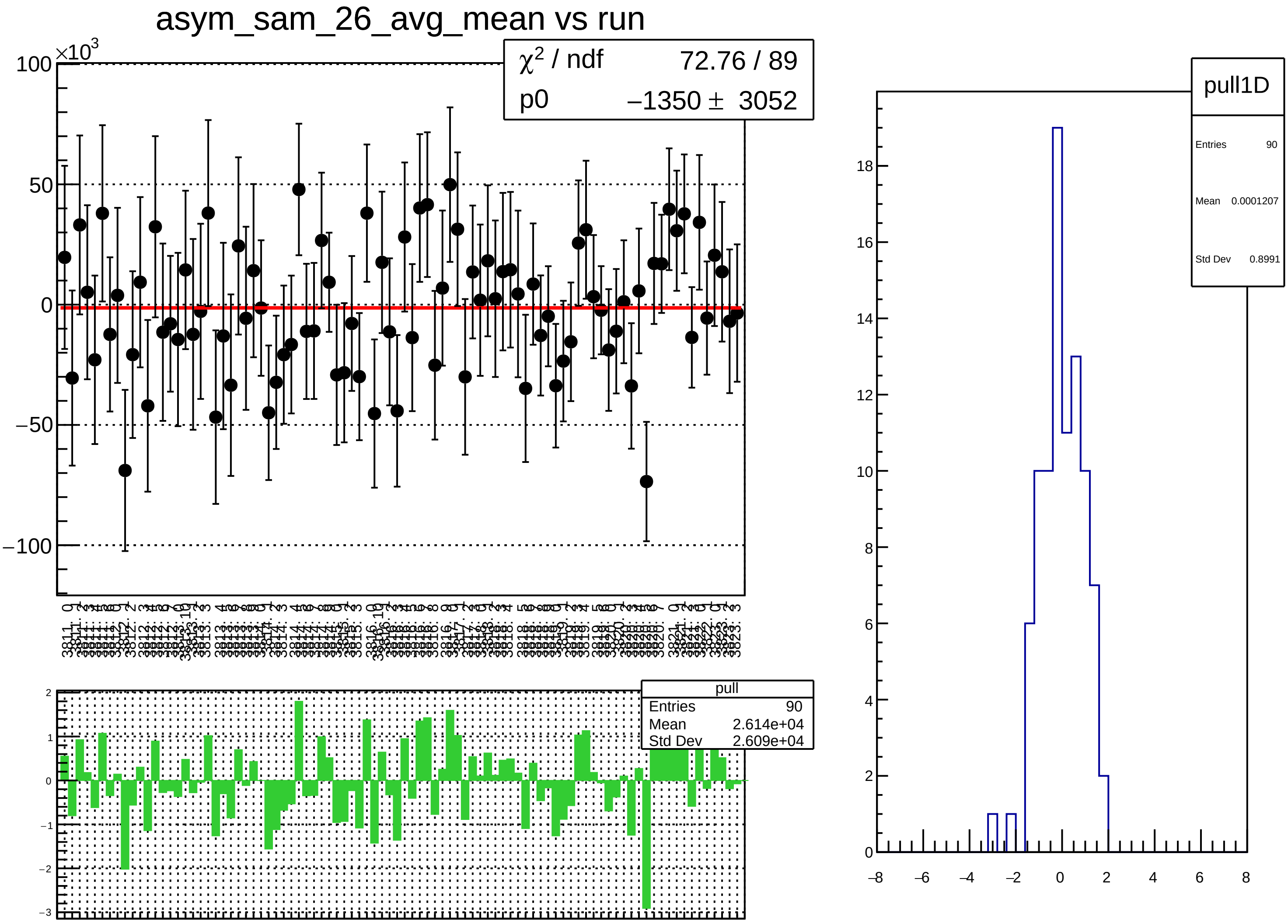

asym_sam8_correction_rms vs run
χ^2 / ndf 2.246e+04 / 89
p0 2033 ± 1.561
2600
2400
2200
2000
1800

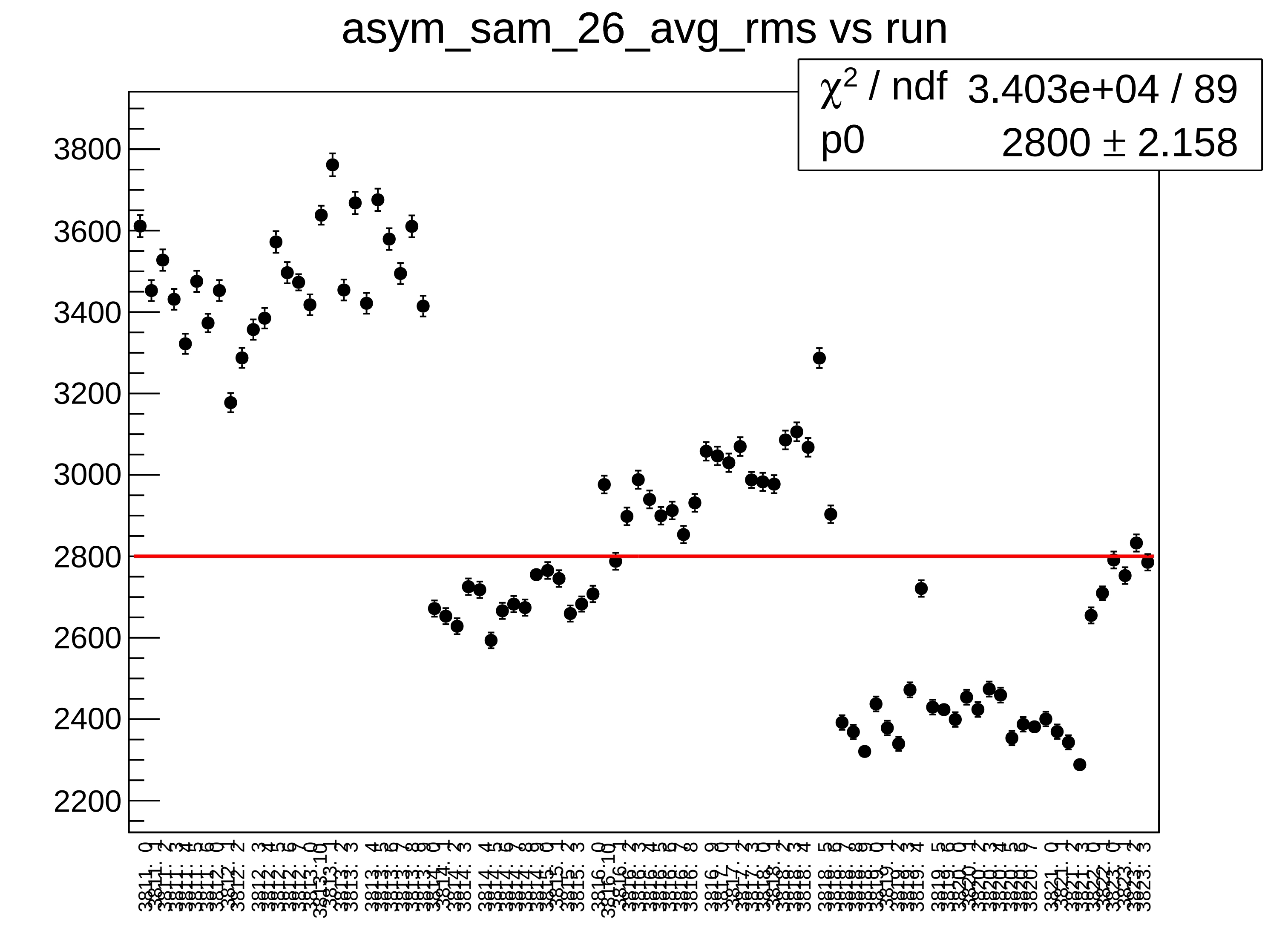


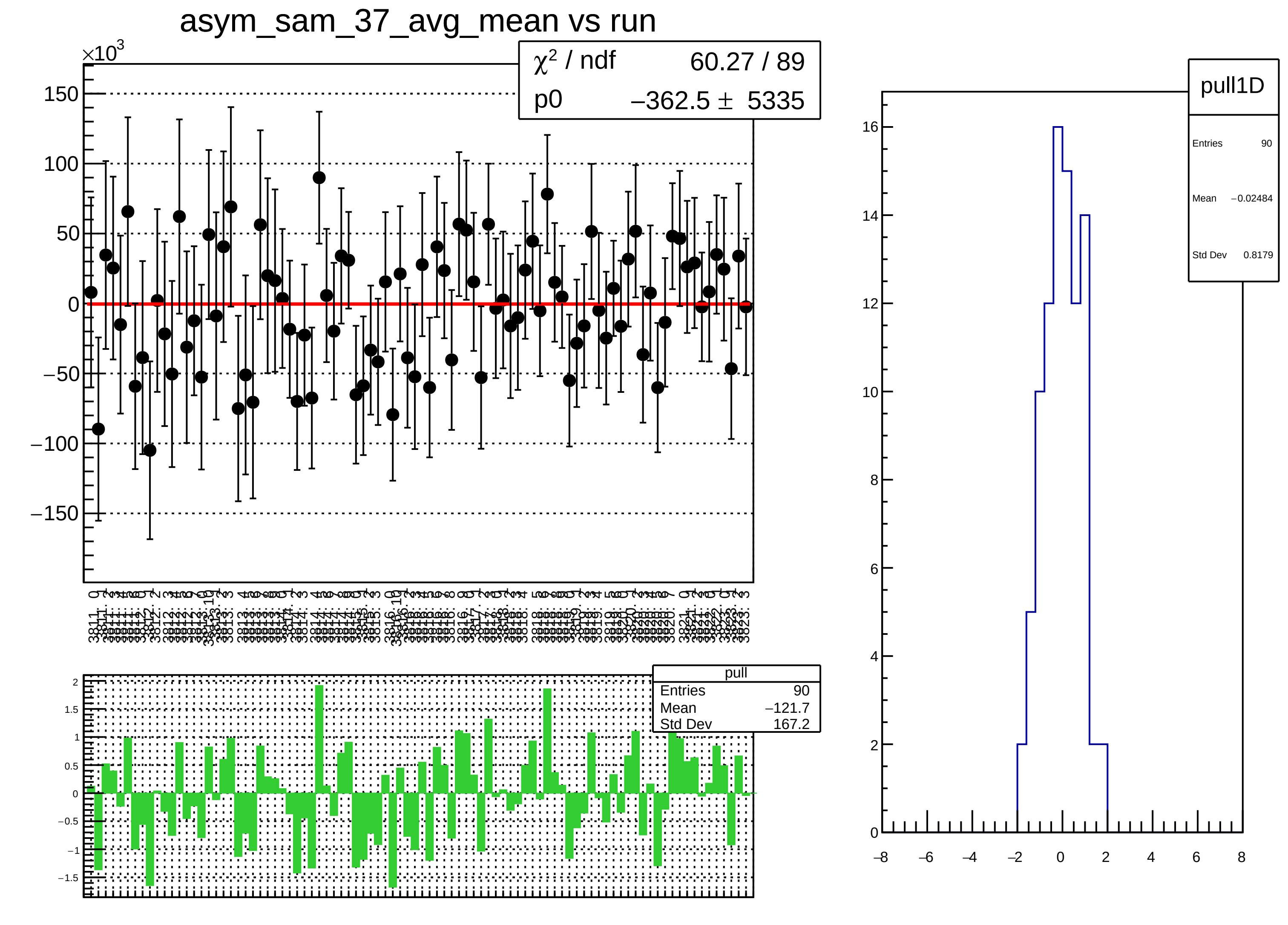
asym_sam_15_avg_mean vs run
χ^2 / ndf 54.97 / 89
p0 −96.44 ± 464.1
pull
Entries 90
Mean −142
Std Dev 190.6
pull1D
Entries 90
Mean −0.02544
Std Dev 0.7811



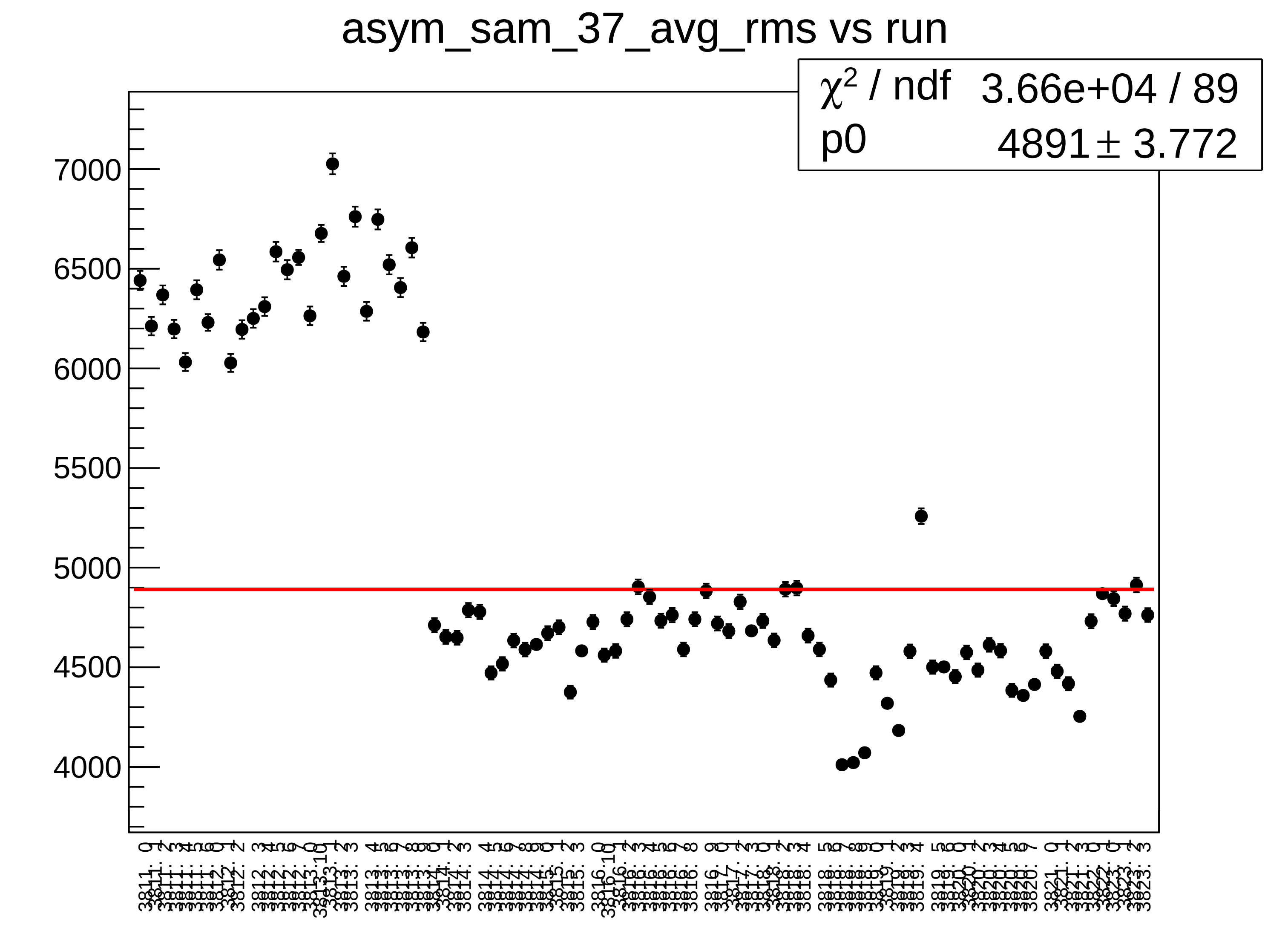
asym_sam_15_avg_rms vs run
χ2 / ndf 3.473e+05 / 89
p0 384.2 ± 0.3282
800
700
600
500
400
300
200
100


asym_sam_26_avg_mean vs run
χ^2 / ndf 72.76 / 89
p0 −1350 ± 3052
×10³
pull
Entries 90
Mean 2.614e+04
Std Dev 2.609e+04
pull1D
Entries 90
Mean 0.0001207
Std Dev 0.8991

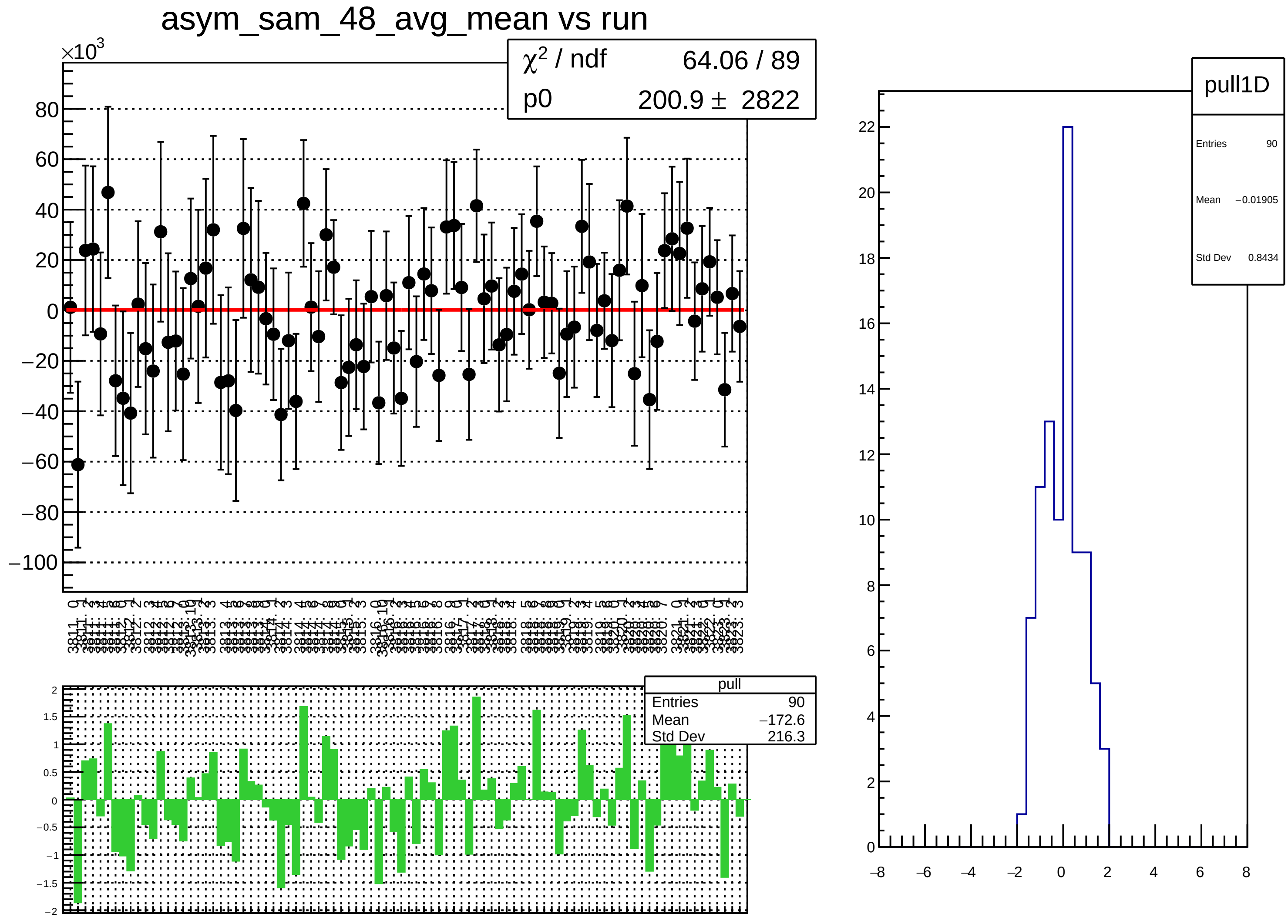

asym_sam_26_avg_rms vs run
χ^2 / ndf 3.403e+04 / 89
p0 2800 ± 2.158
3800
3600
3400
3200
3000
2800
2600
2400
2200



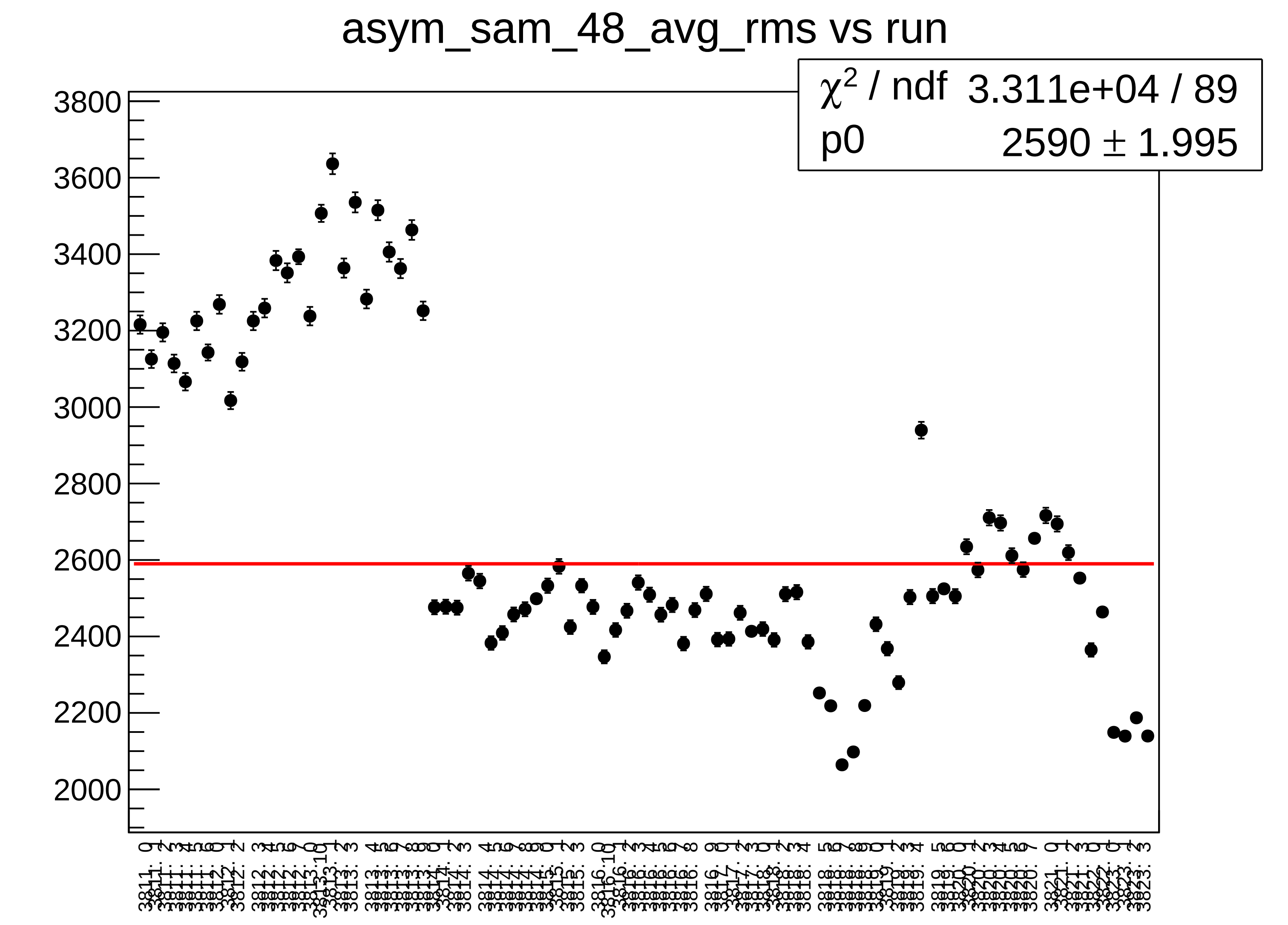
asym_sam_37_avg_mean vs run
×10^3
χ2 / ndf 60.27 / 89
p0 −362.5 ± 5335
pull
Entries 90
Mean −121.7
Std Dev 167.2
pull1D
Entries 90
Mean −0.02484
Std Dev 0.8179



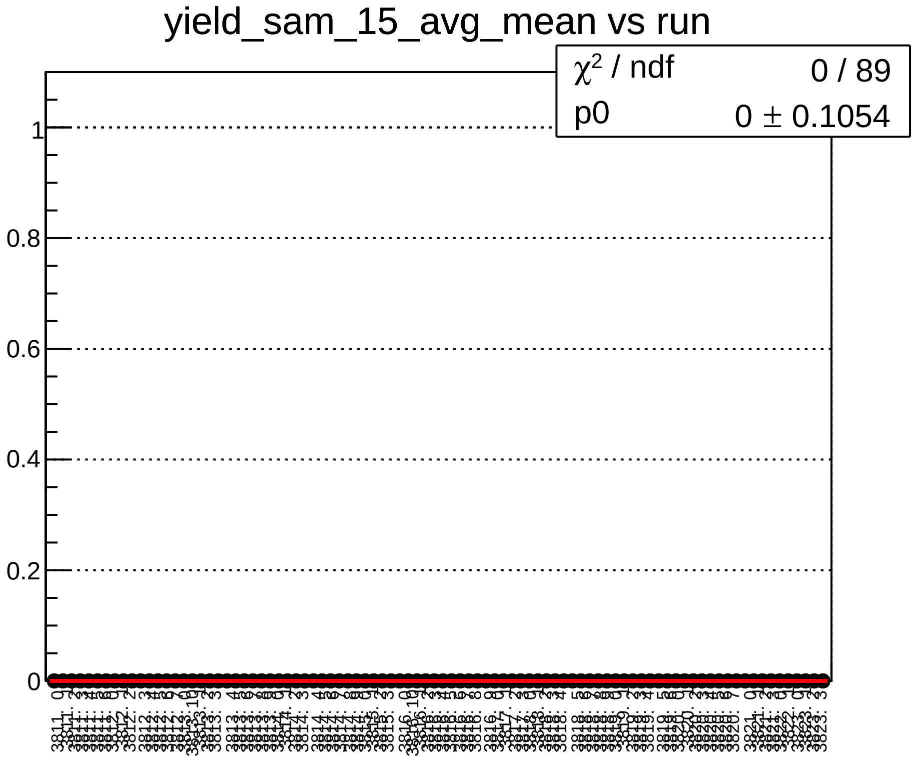
asym_sam_37_avg_rms vs run
χ^2 / ndf 3.66e+04 / 89
p0 4891 ± 3.772
7000
6500
6000
5500
5000
4500
4000

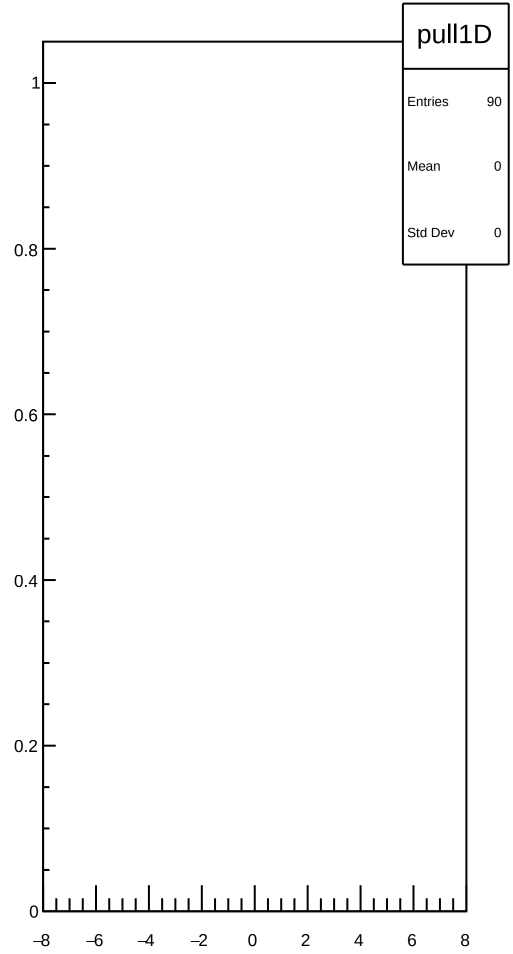


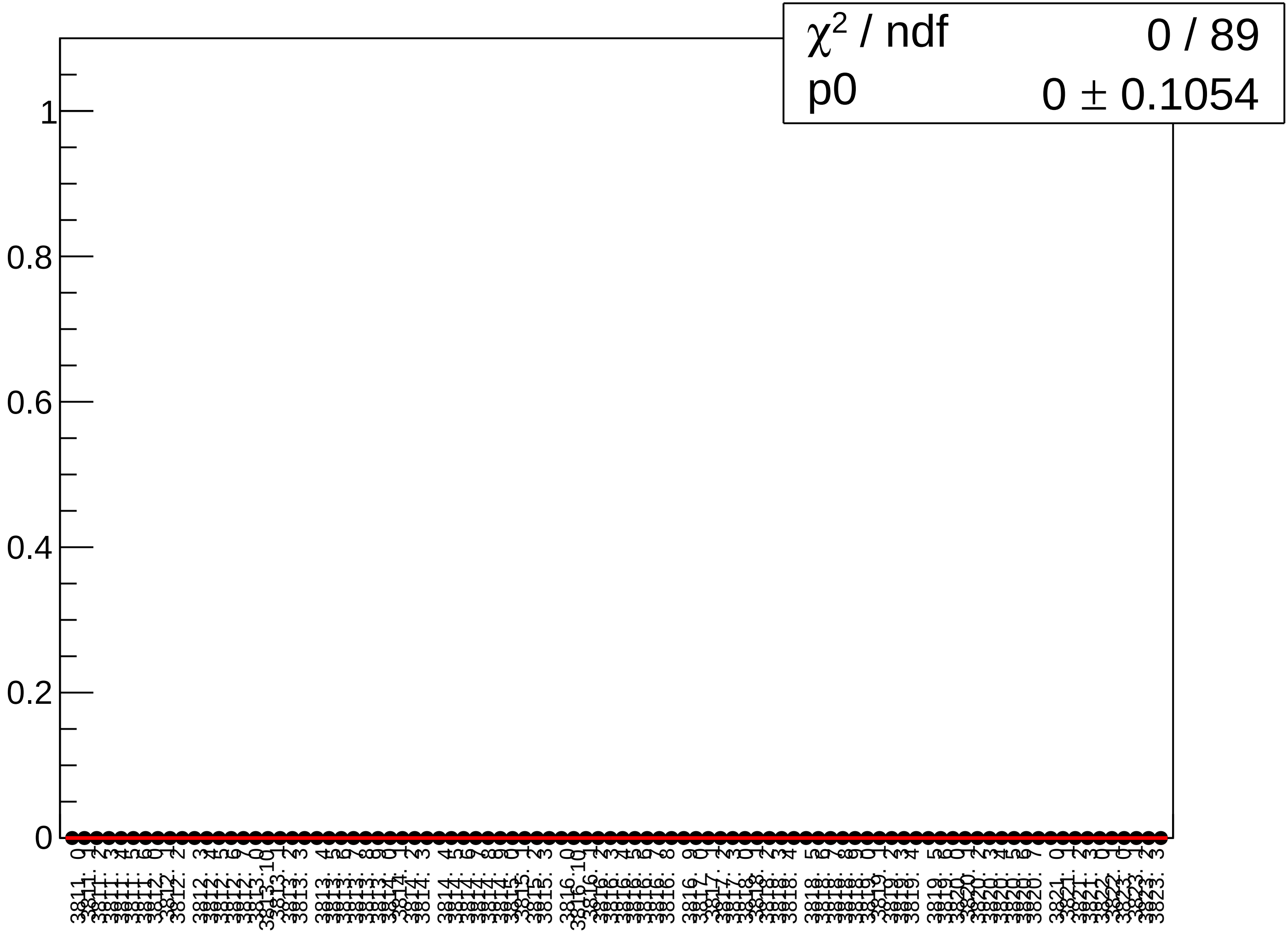
asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 64.06 / 89
p0 200.9 ± 2822
pull
Entries 90
Mean −172.6
Std Dev 216.3
pull1D
Entries 90
Mean −0.01905
Std Dev 0.8434

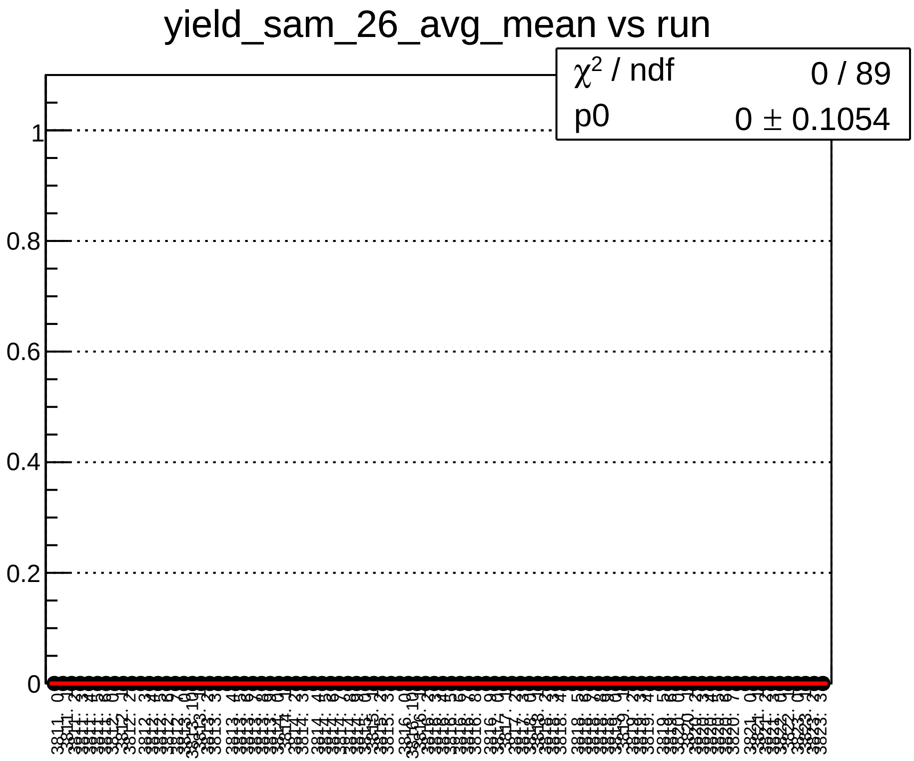


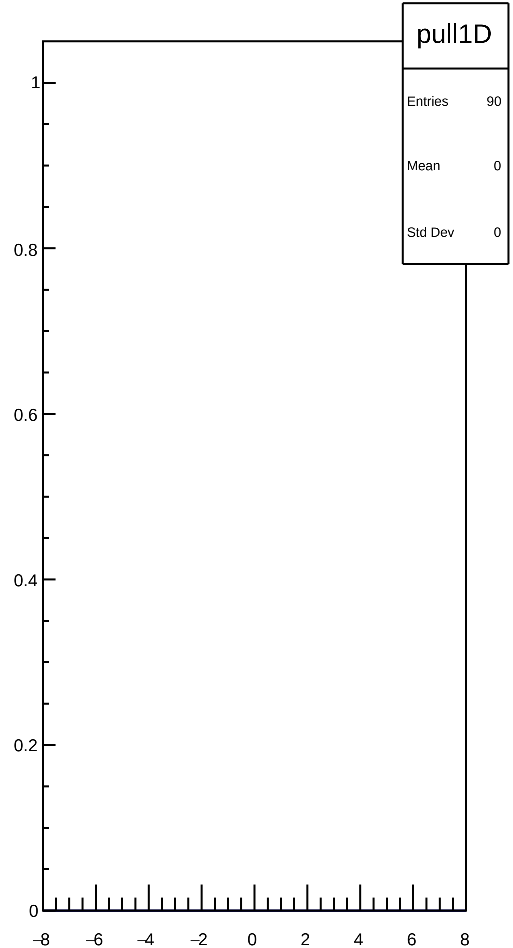
asym_sam_48_avg_rms vs run
χ2 / ndf 3.311e+04 / 89
p0 2590 ± 1.995
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

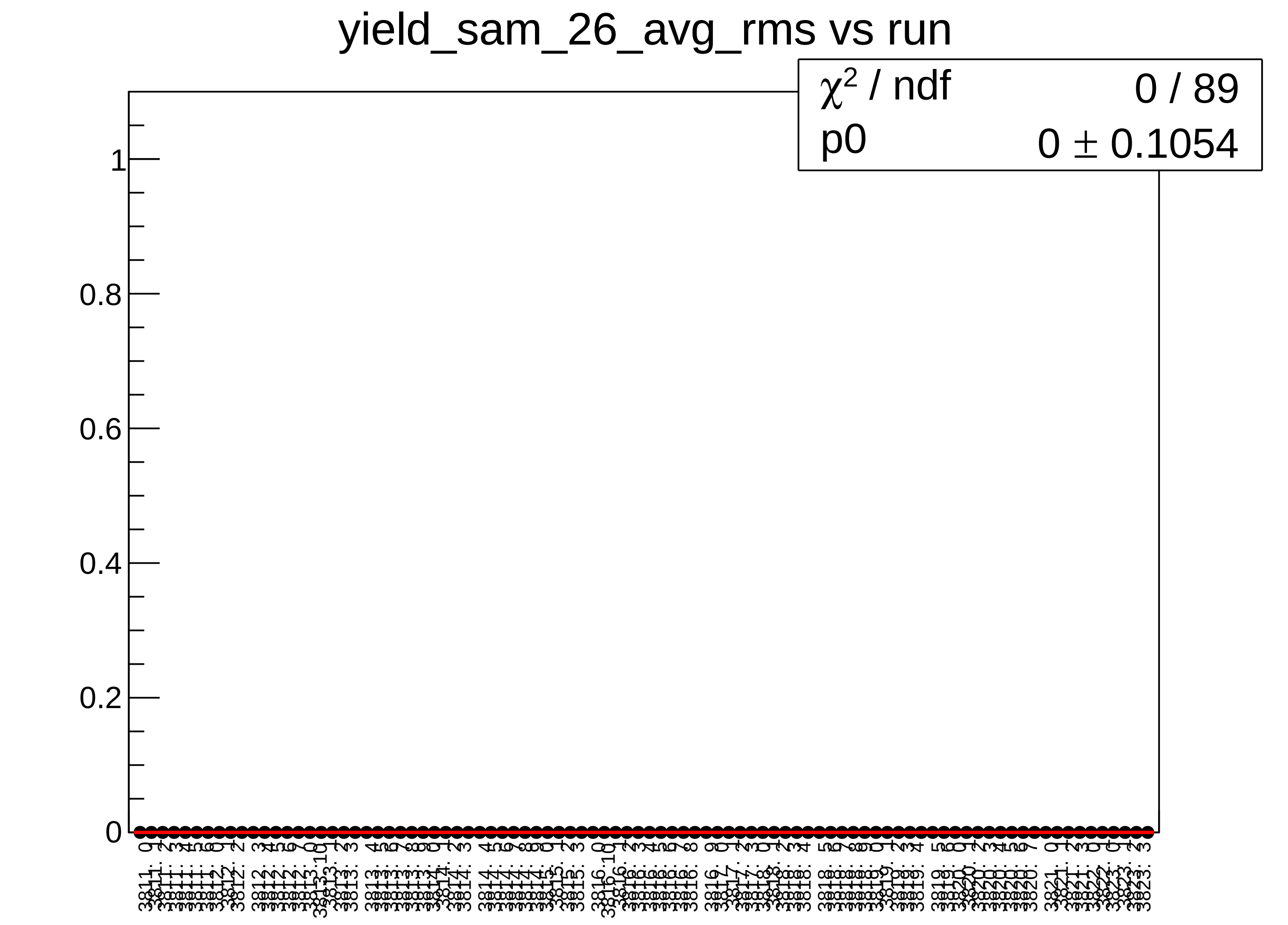

yield_sam_15_avg_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8 –6 –4 –2 0 2 4 6 8

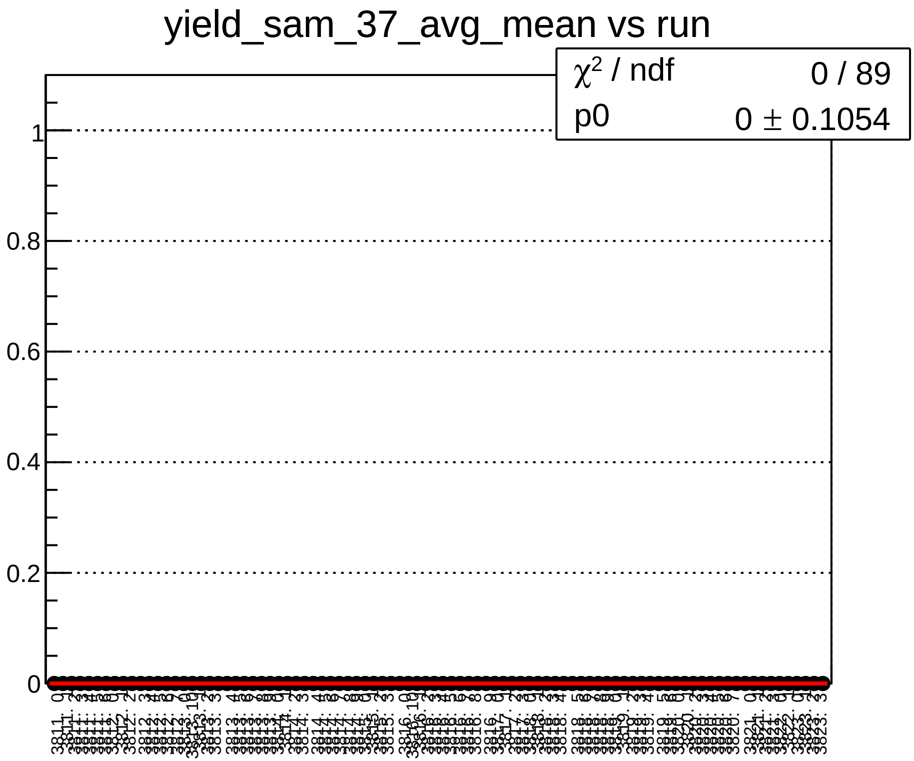

yield_sam_15_avg_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054


yield_sam_26_avg_mean vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054
0
0.2
0.4
0.6
0.8
1

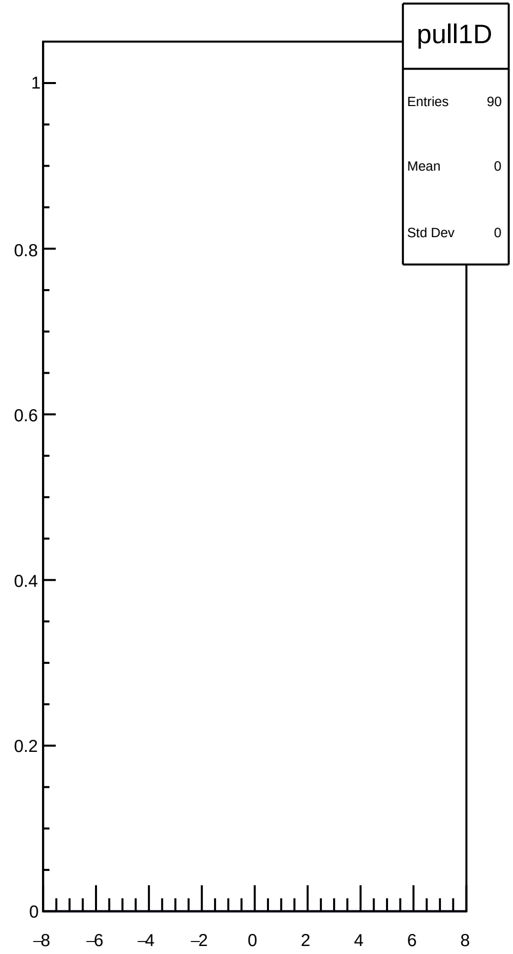

pull1D
Entries 90
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8



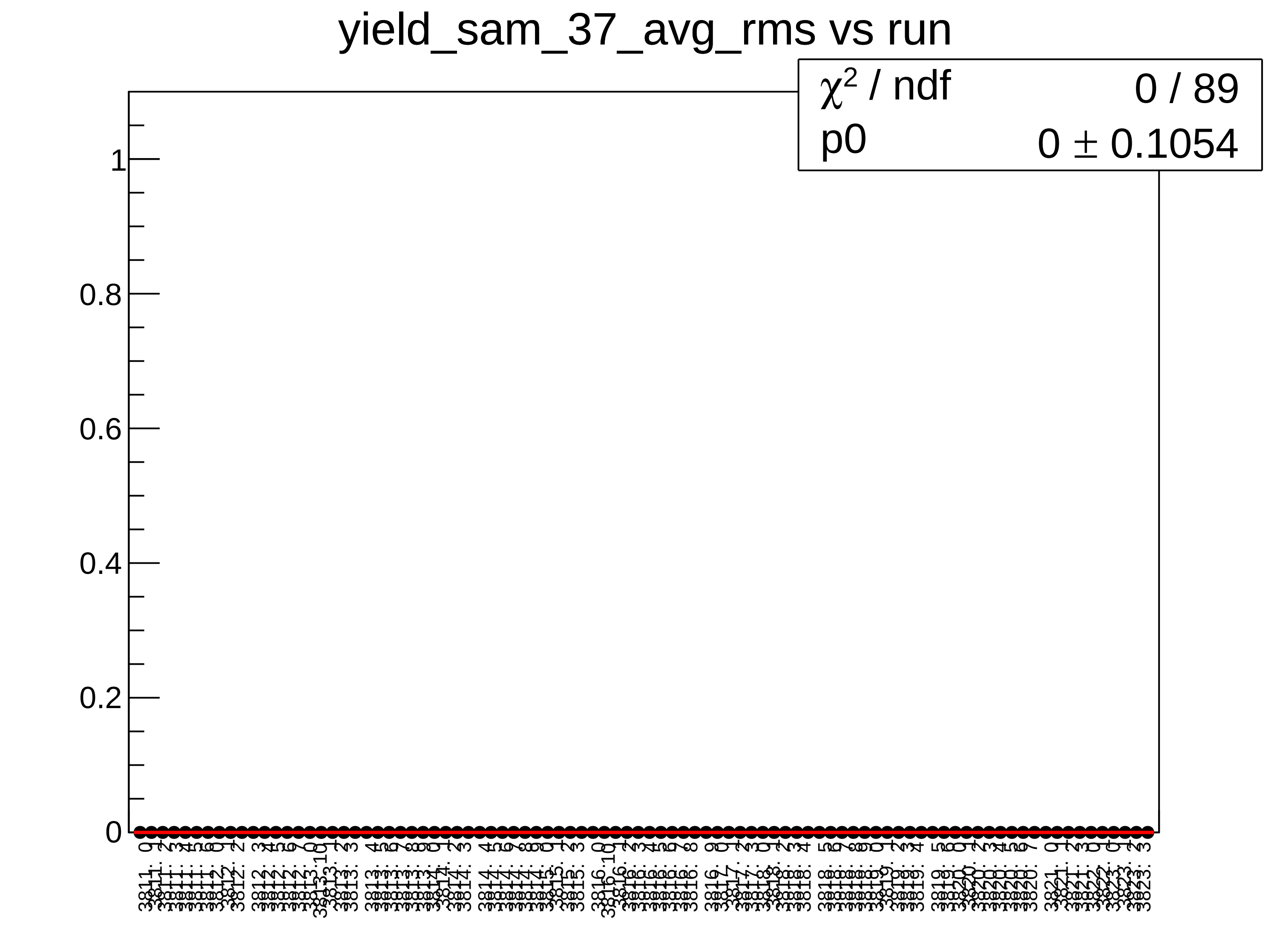
yield_sam_26_avg_rms vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054



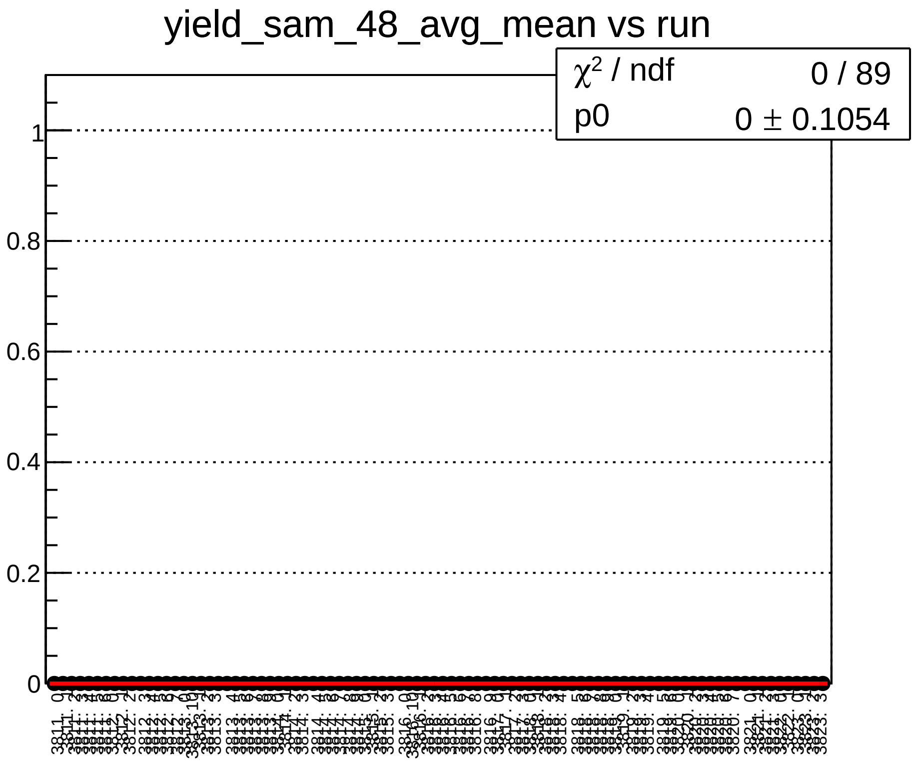
yield_sam_37_avg_mean vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

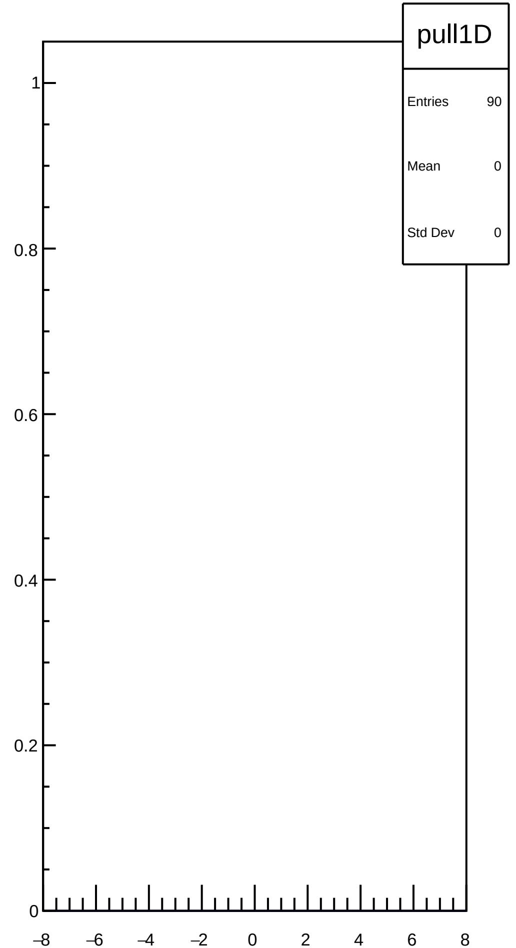


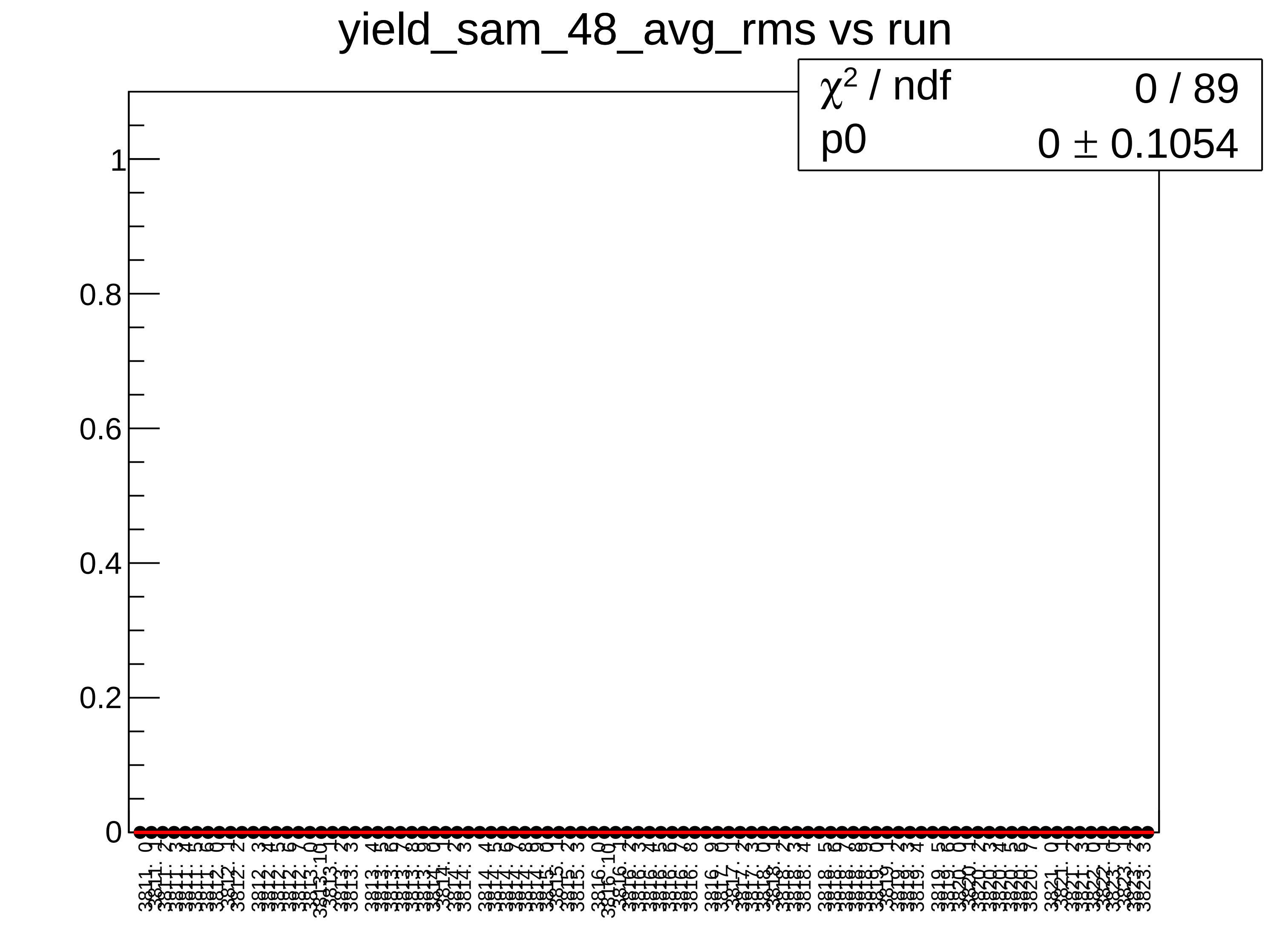
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8 –6 –4 –2 0 2 4 6 8



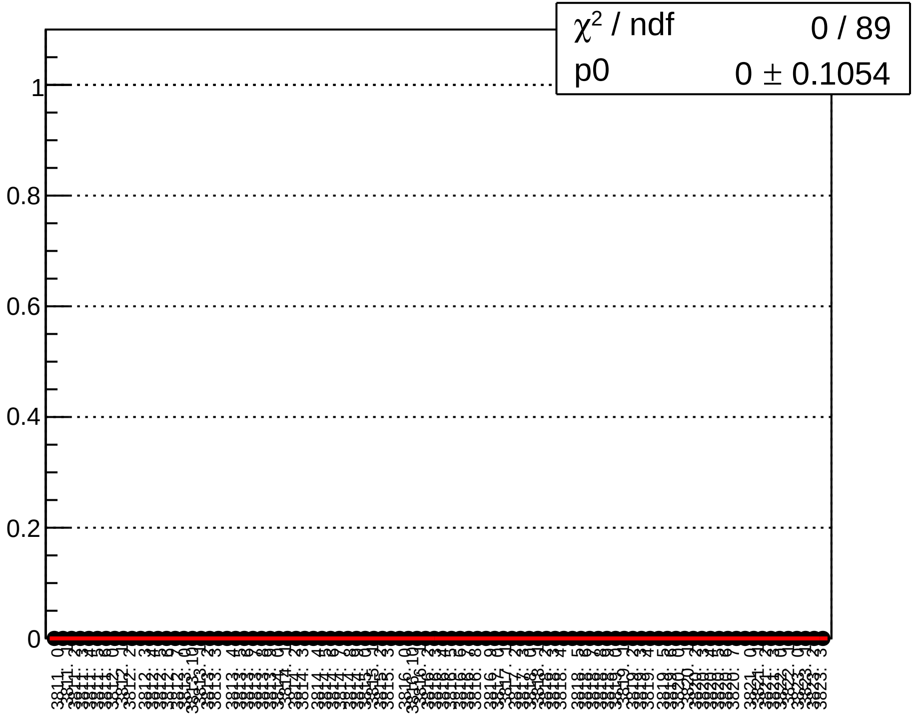
yield_sam_37_avg_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

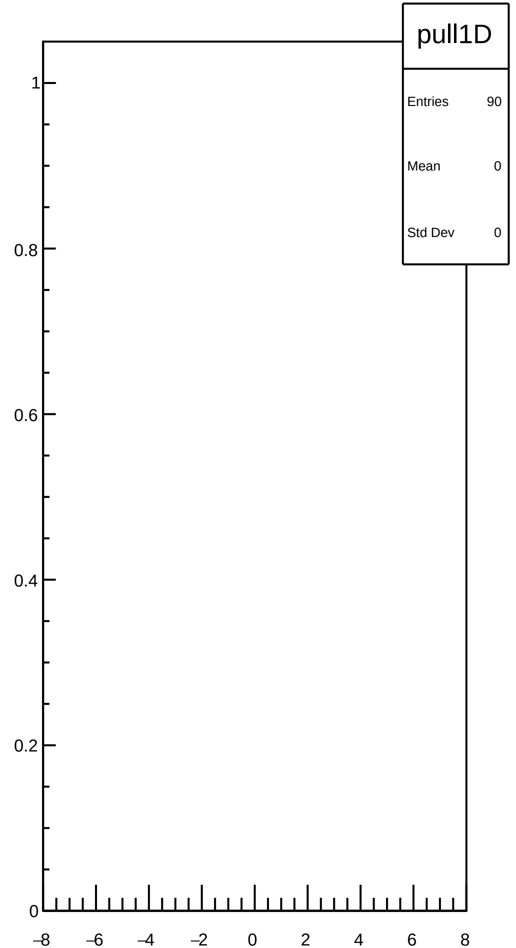

yield_sam_48_avg_mean vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054

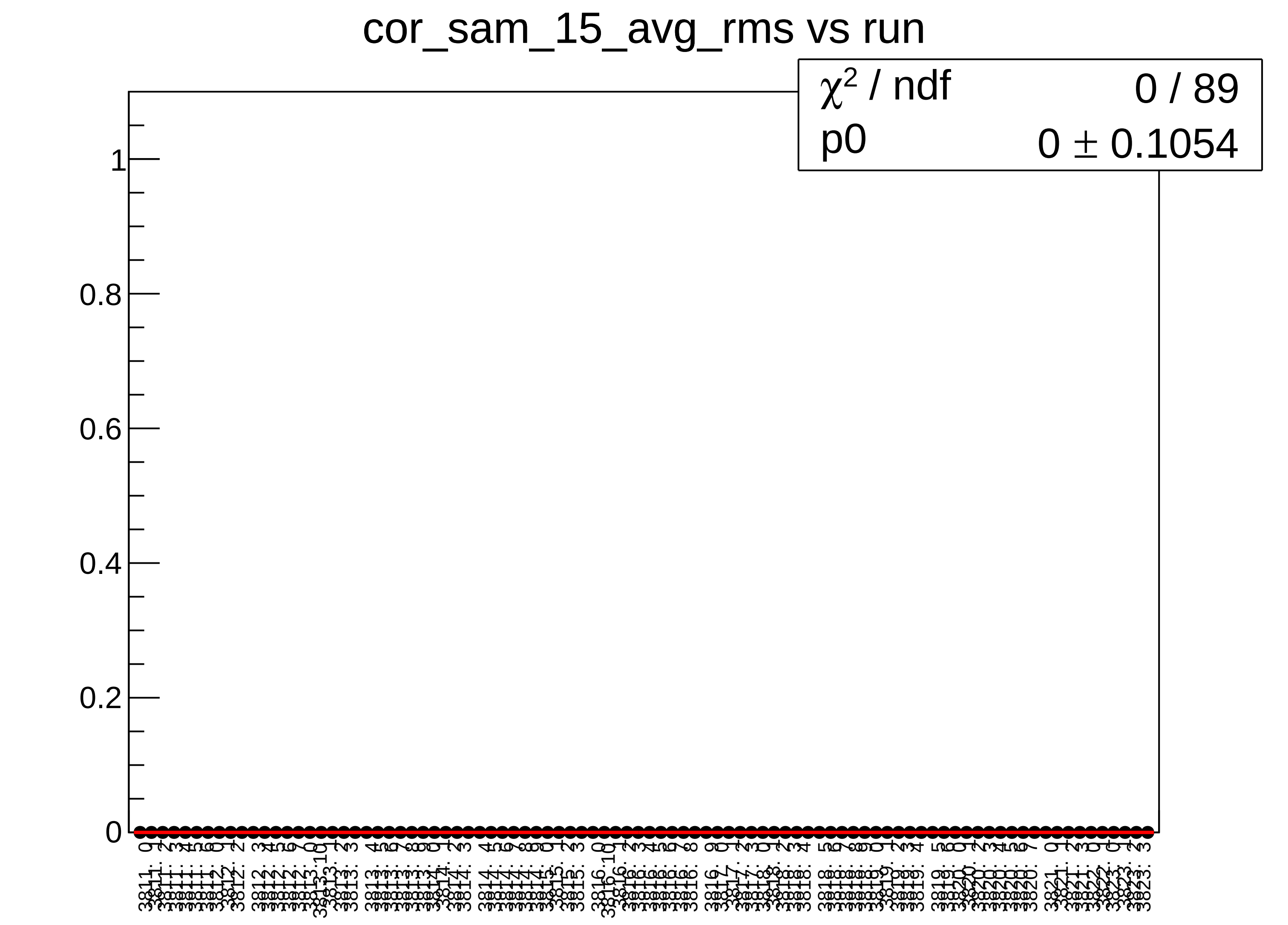

pull1D
Entries 90
Mean 0
Std Dev 0


yield_sam_48_avg_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

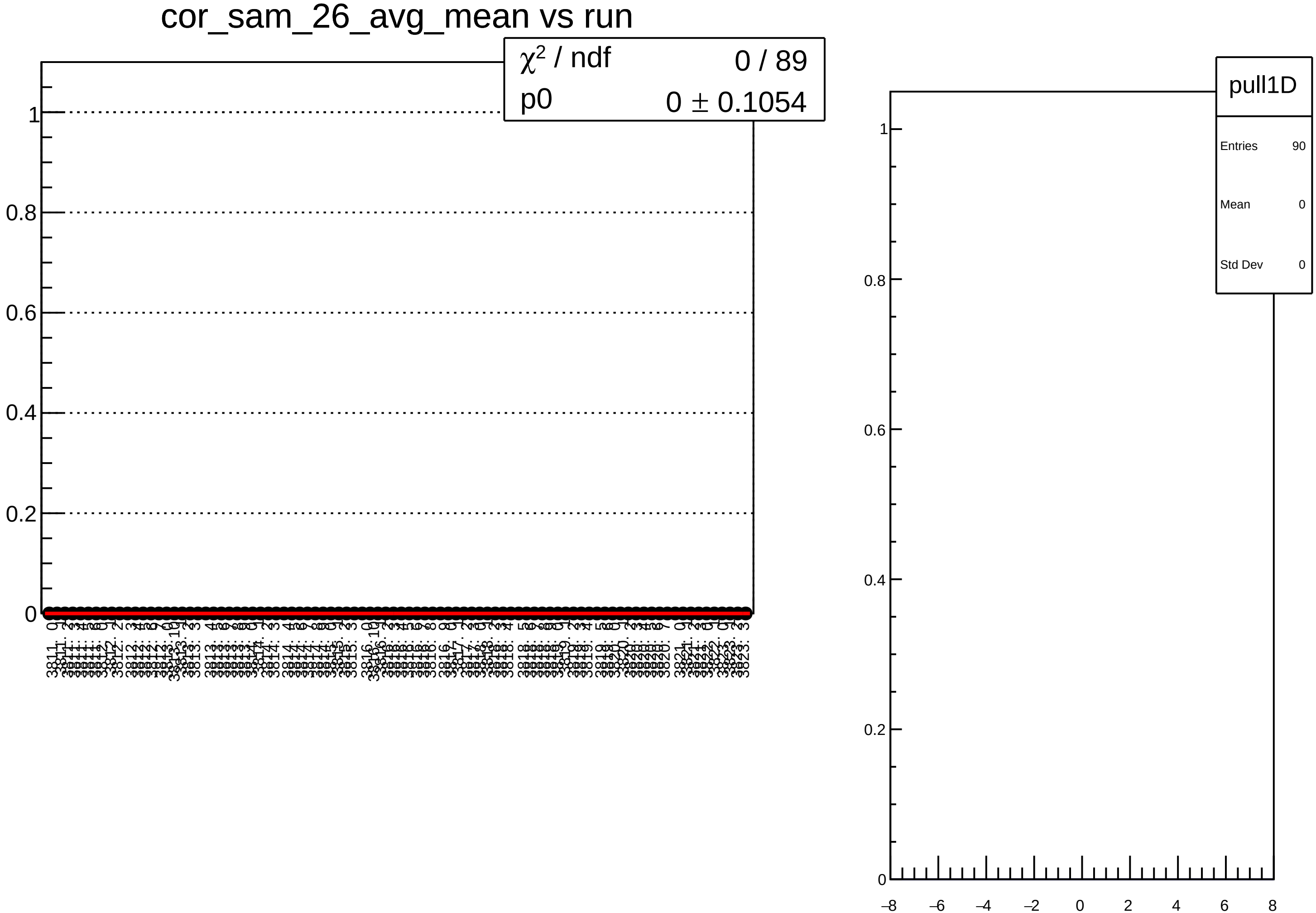
cor_sam_15_avg_mean vs run



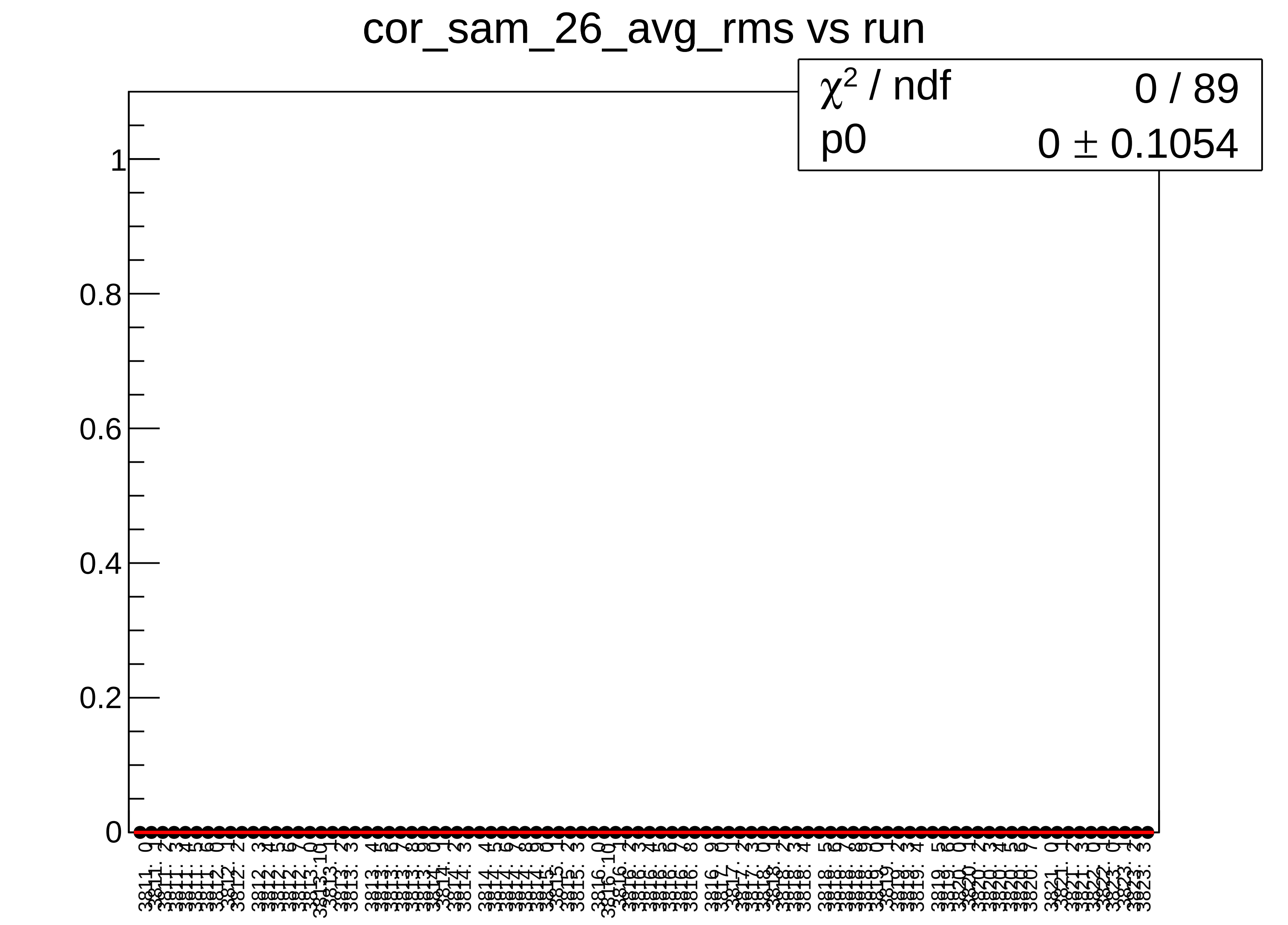


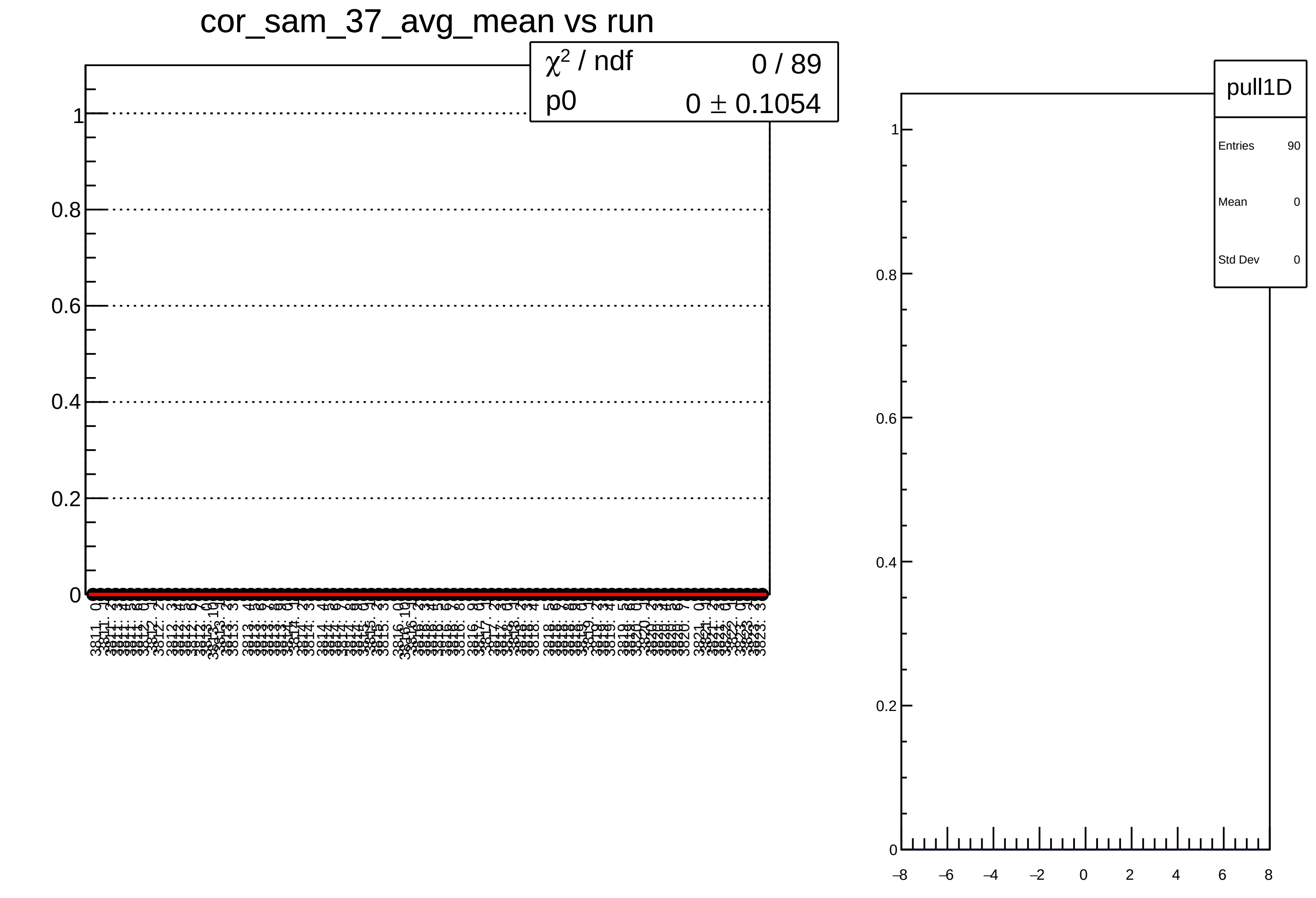


cor_sam_15_avg_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054

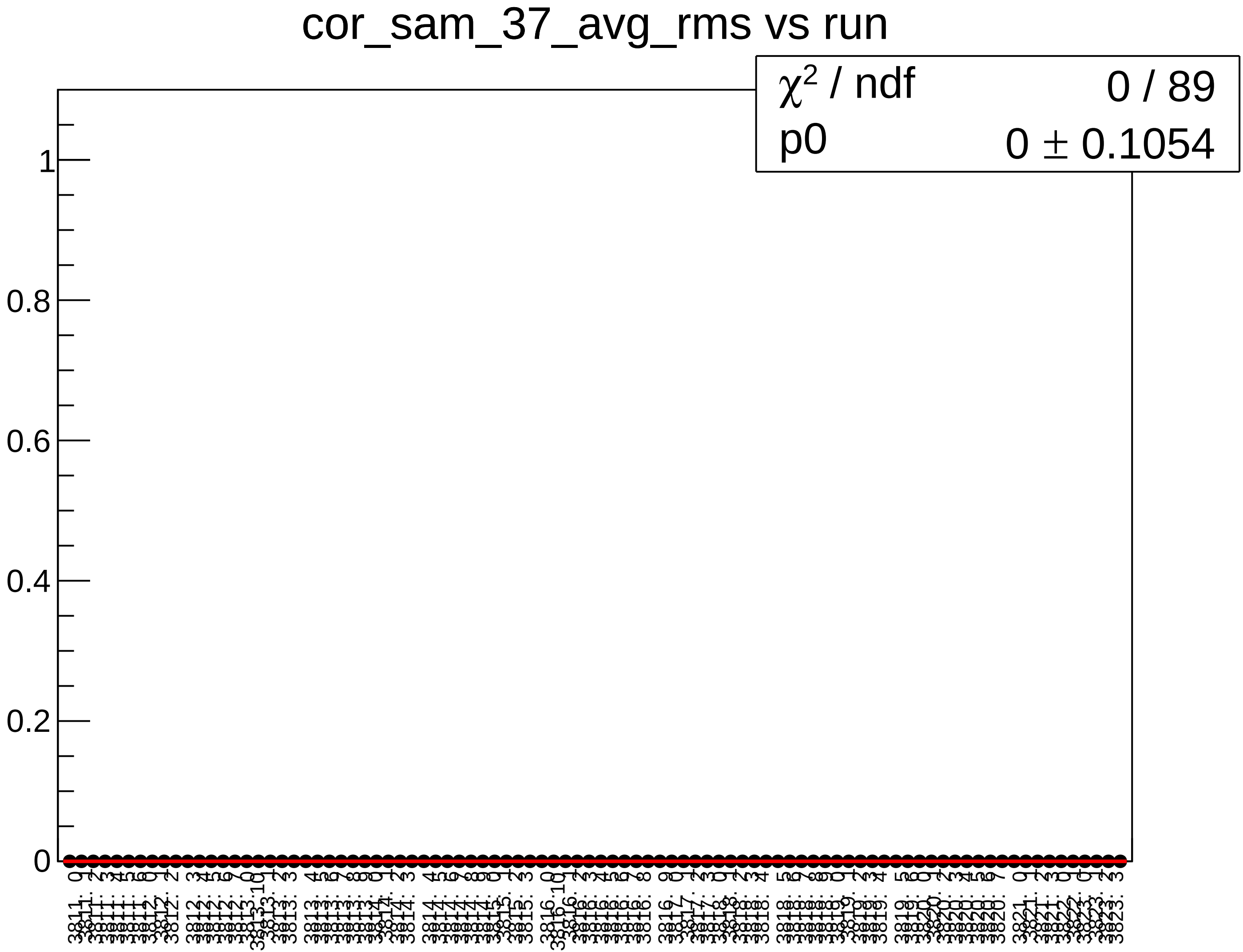


cor_sam_26_avg_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
pull1D
Entries 90
Mean 0
Std Dev 0


cor_sam_26_avg_rms vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054

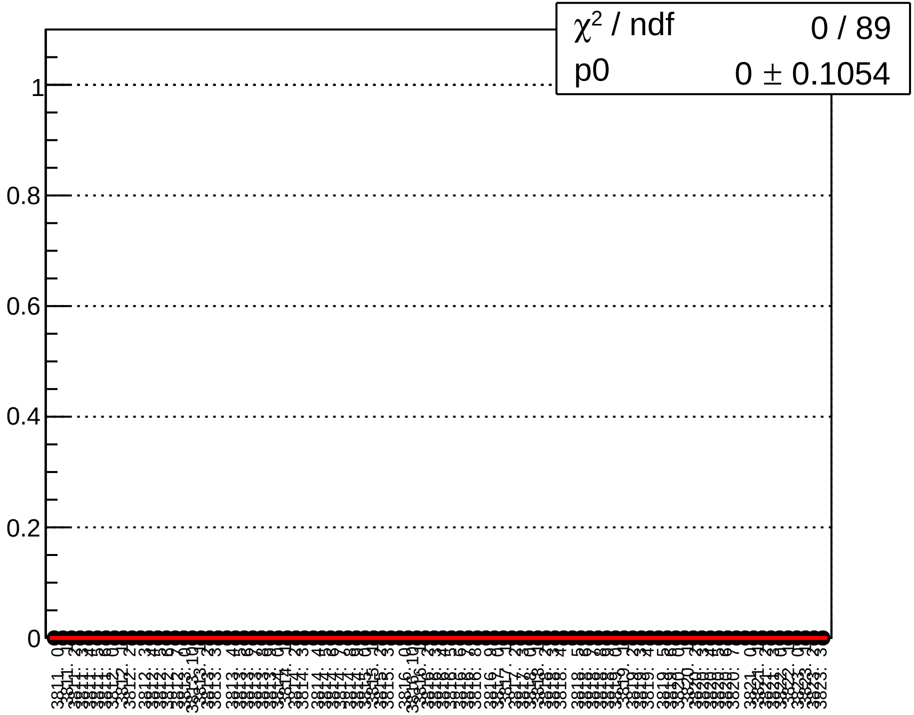


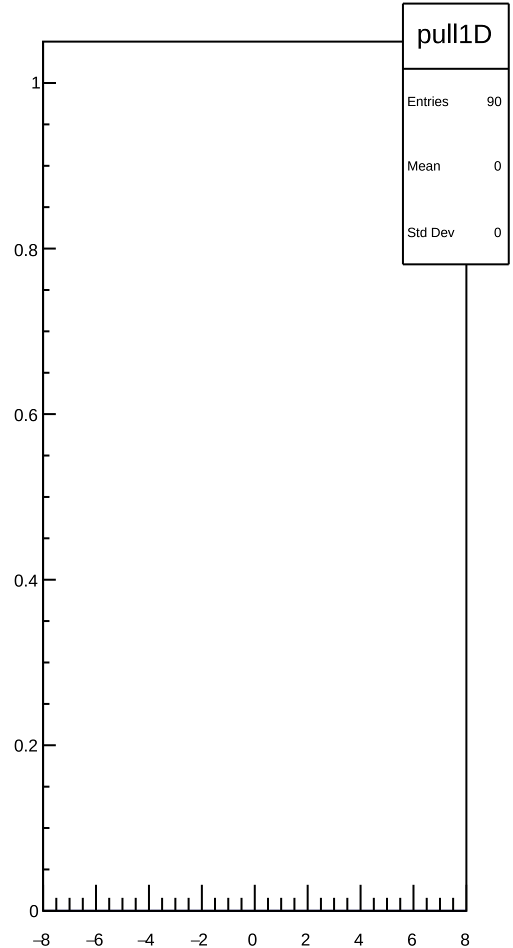
cor_sam_37_avg_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
pull1D
Entries 90
Mean 0
Std Dev 0

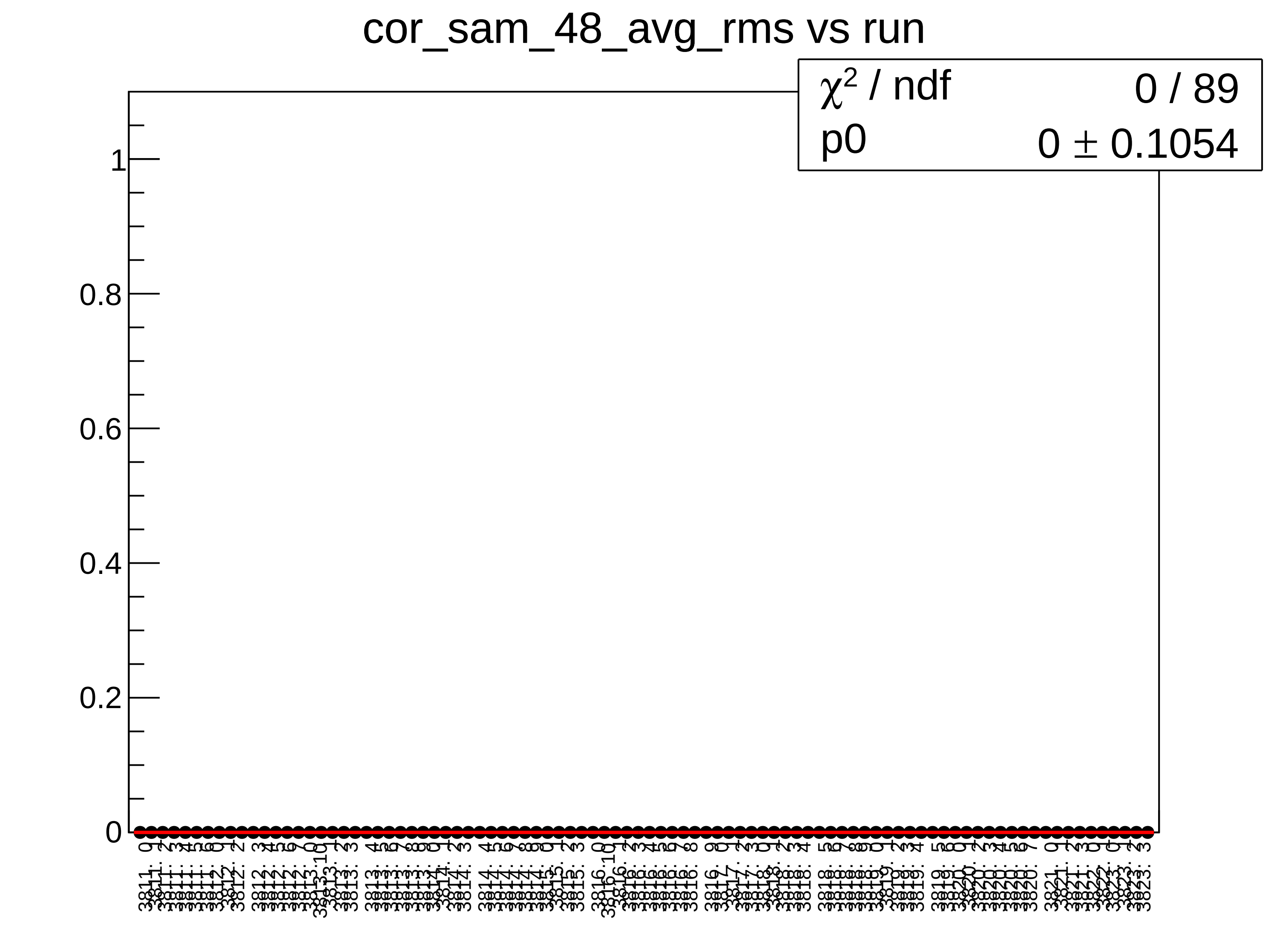


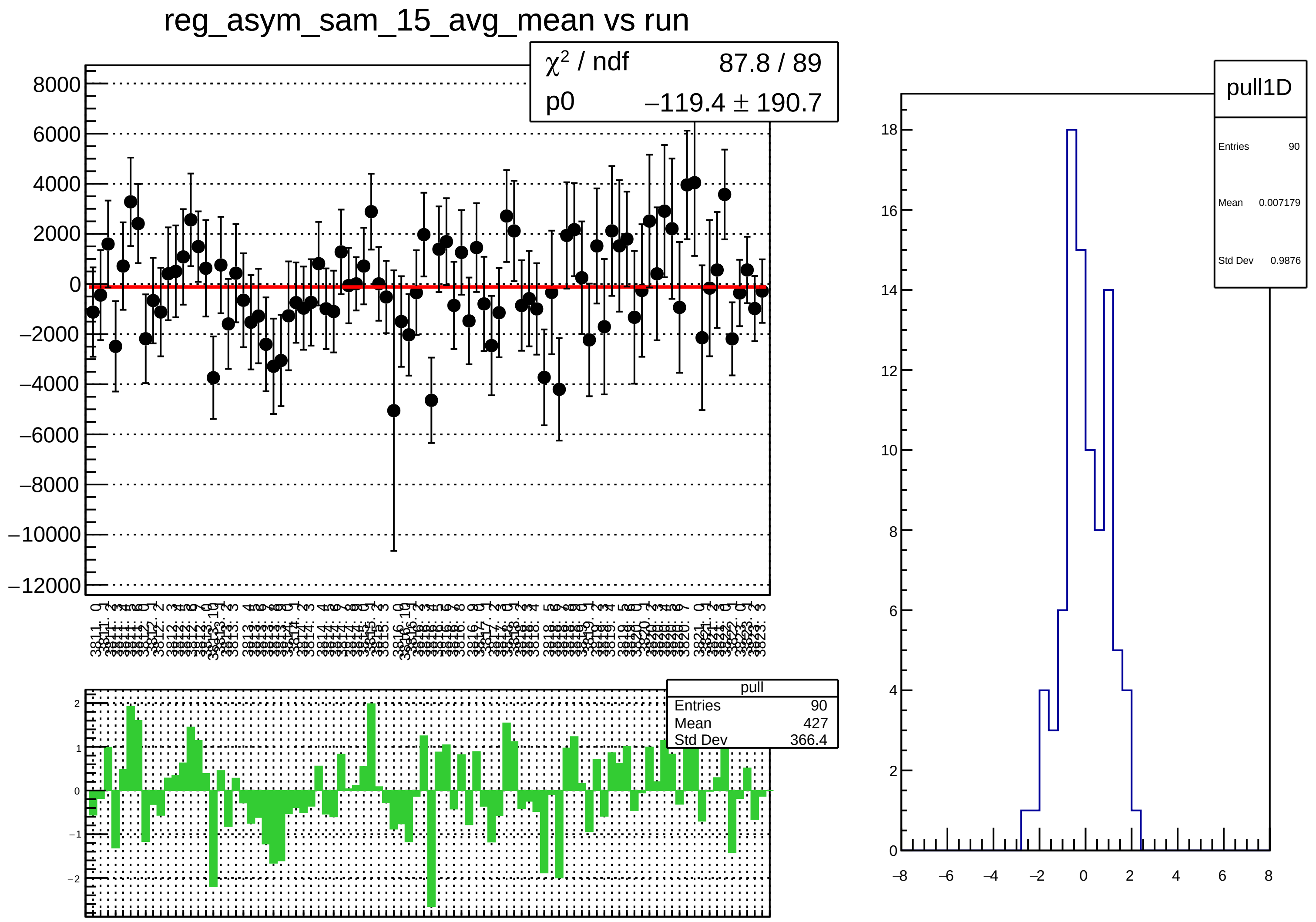
cor_sam_37_avg_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
0
0.2
0.4
0.6
0.8
1

cor_sam_48_avg_mean vs run

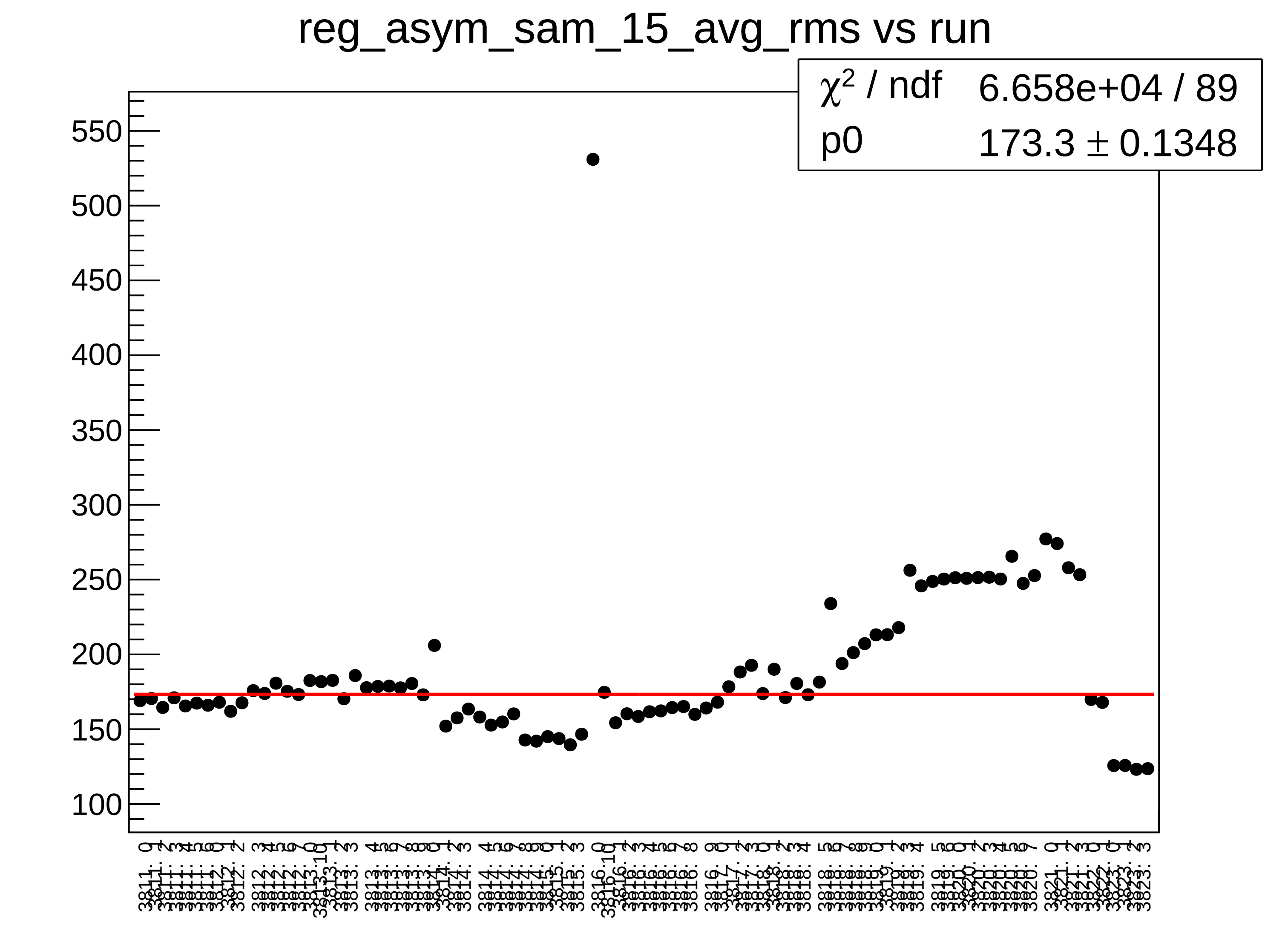




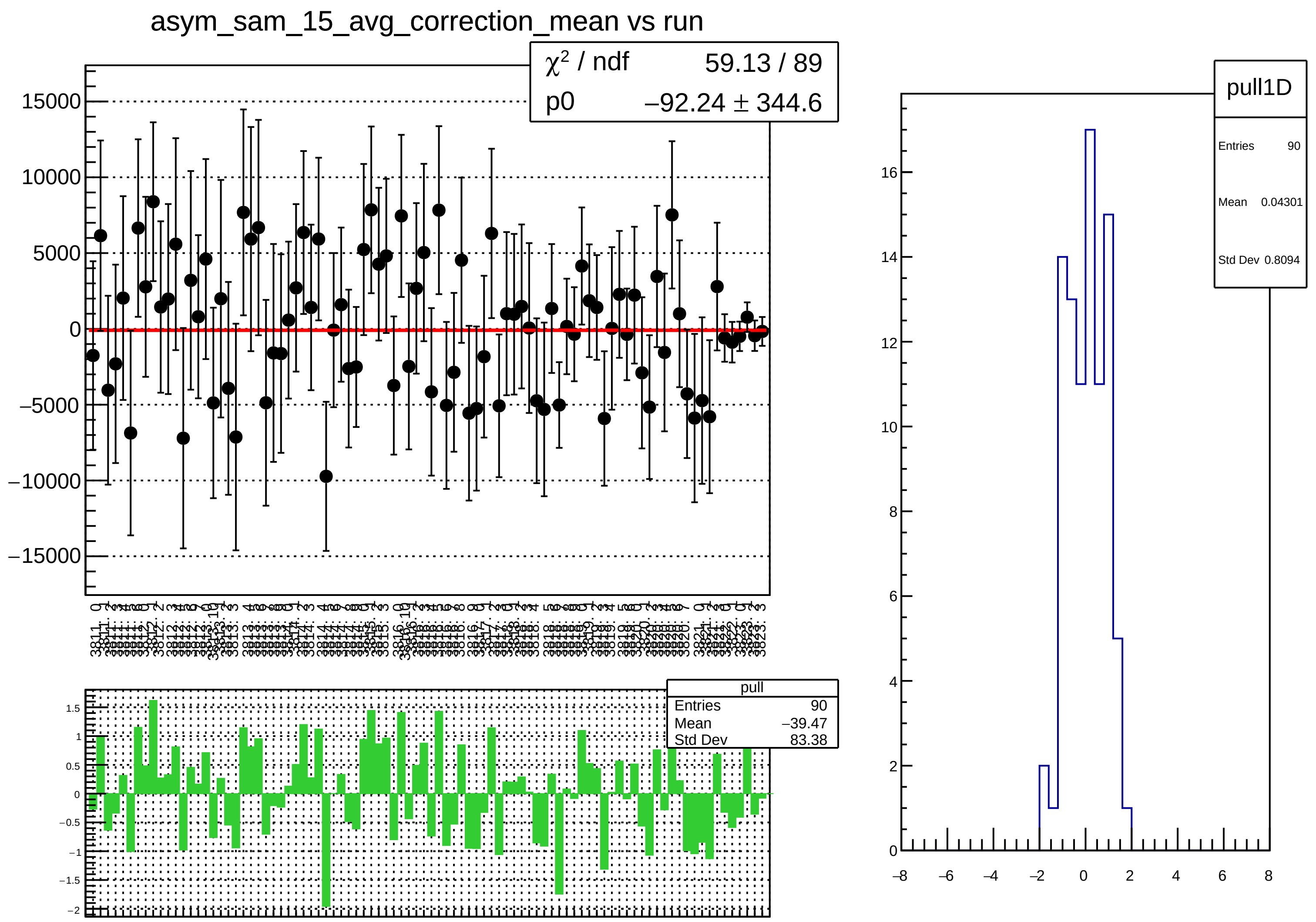

cor_sam_48_avg_rms vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0



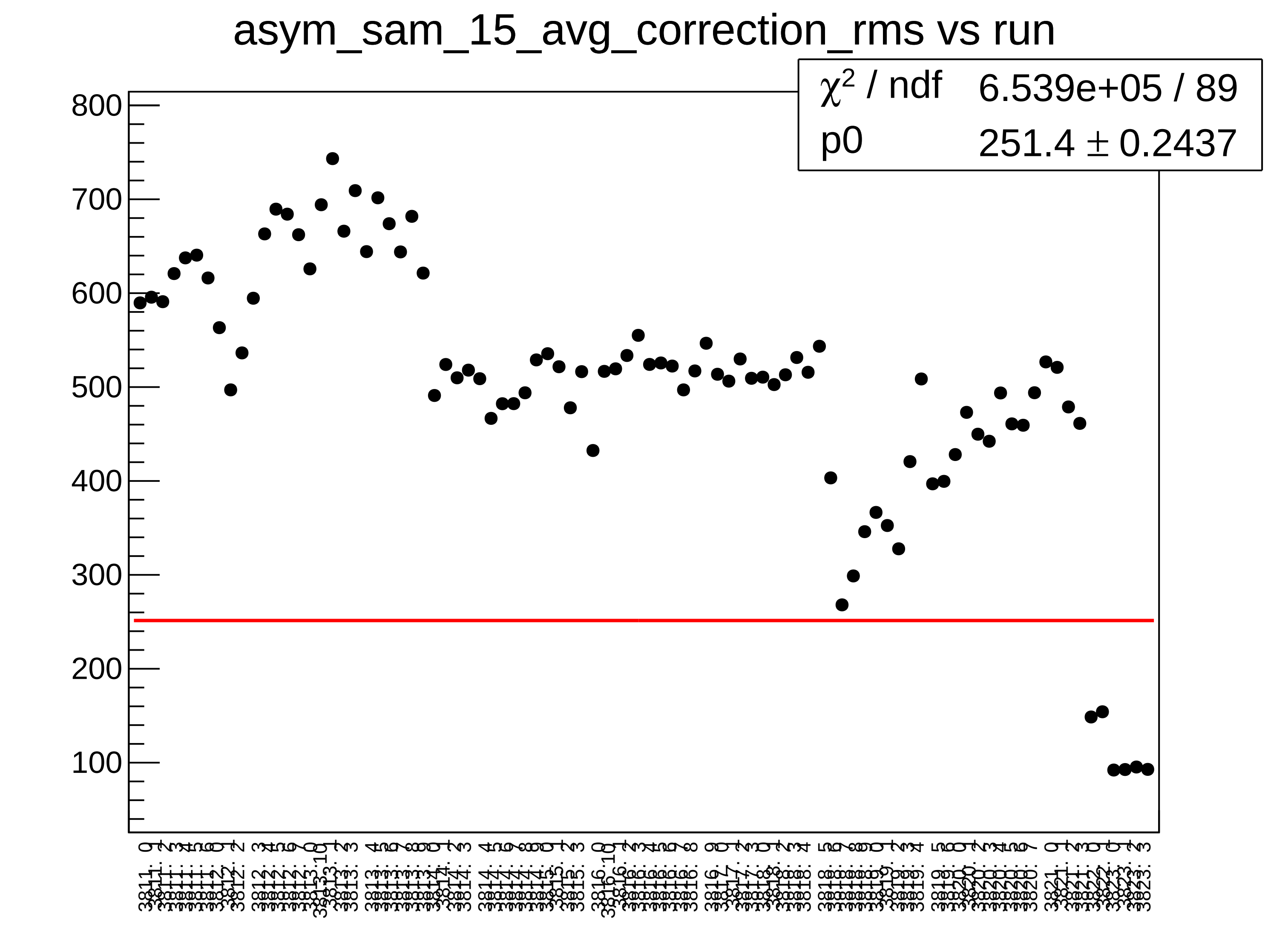
reg_asym_sam_15_avg_mean vs run
χ^2 / ndf 87.8 / 89
p0 −119.4 ± 190.7
pull
Entries 90
Mean 427
Std Dev 366.4
pull1D
Entries 90
Mean 0.007179
Std Dev 0.9876



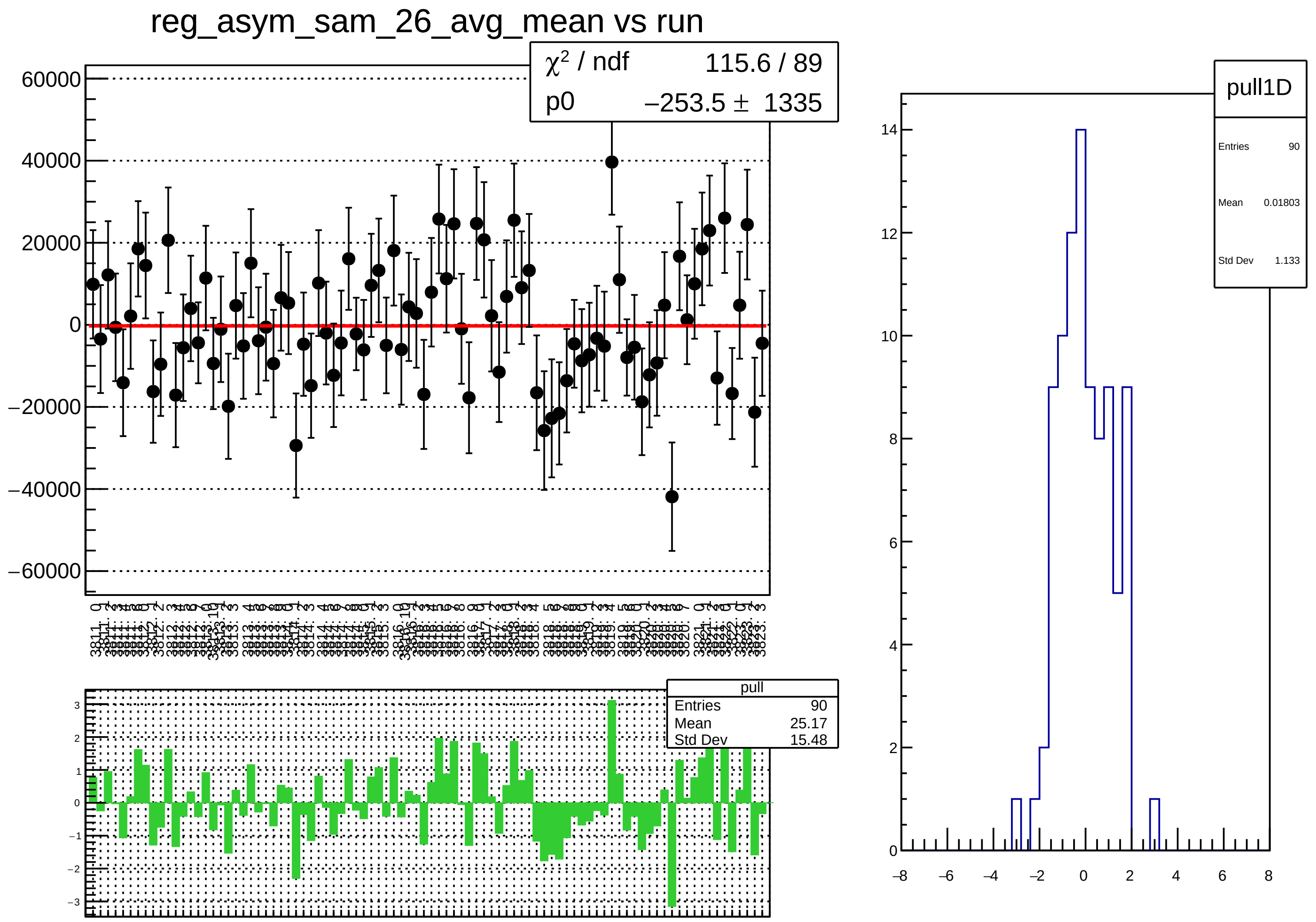
reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 6.658e+04 / 89
p0 173.3 ± 0.1348
550
500
450
400
350
300
250
200
150
100



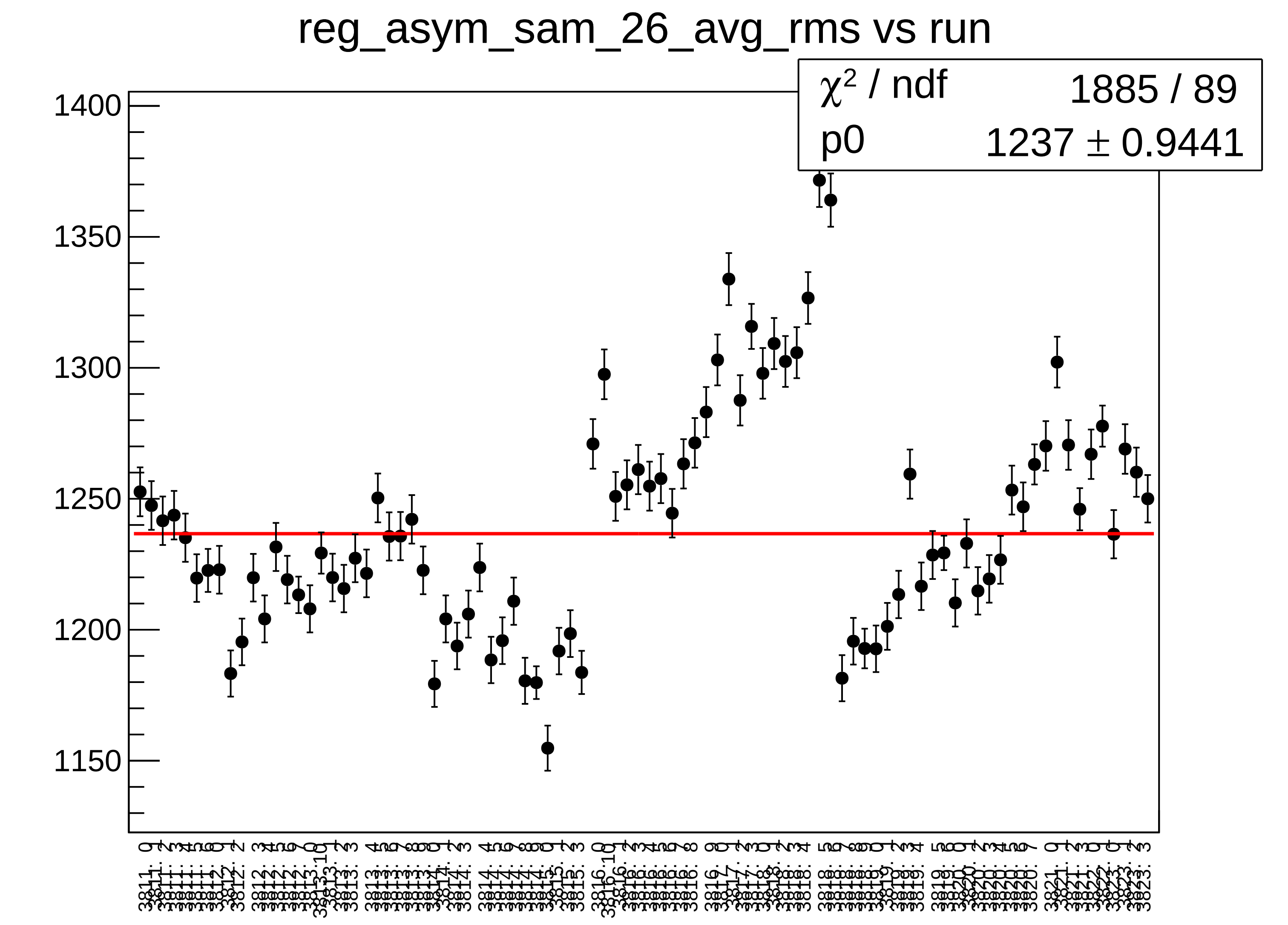
asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 59.13 / 89
p0 −92.24 ± 344.6
pull
Entries 90
Mean −39.47
Std Dev 83.38
pull1D
Entries 90
Mean 0.04301
Std Dev 0.8094



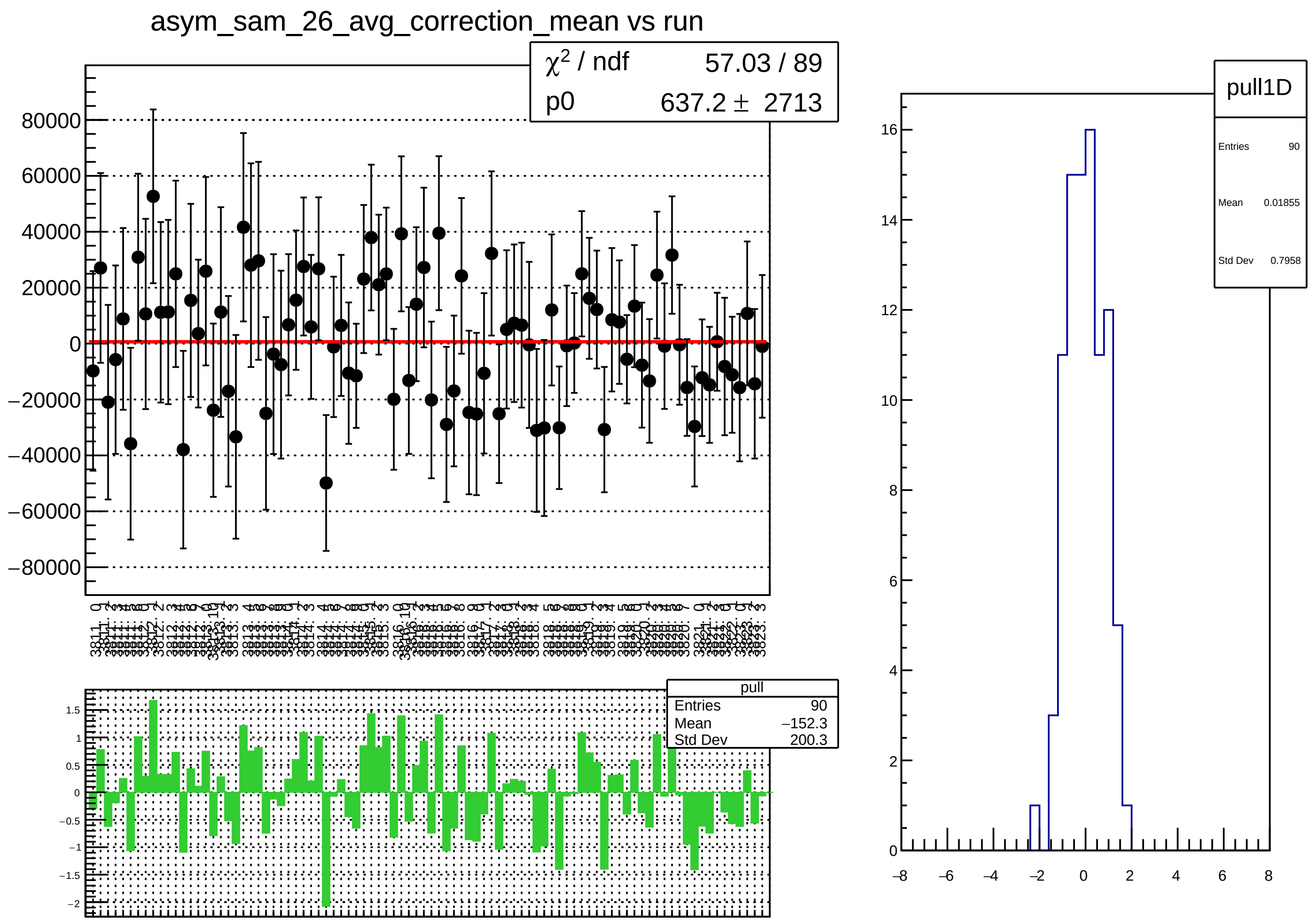
asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 6.539e+05 / 89
p0 251.4 ± 0.2437
800
700
600
500
400
300
200
100



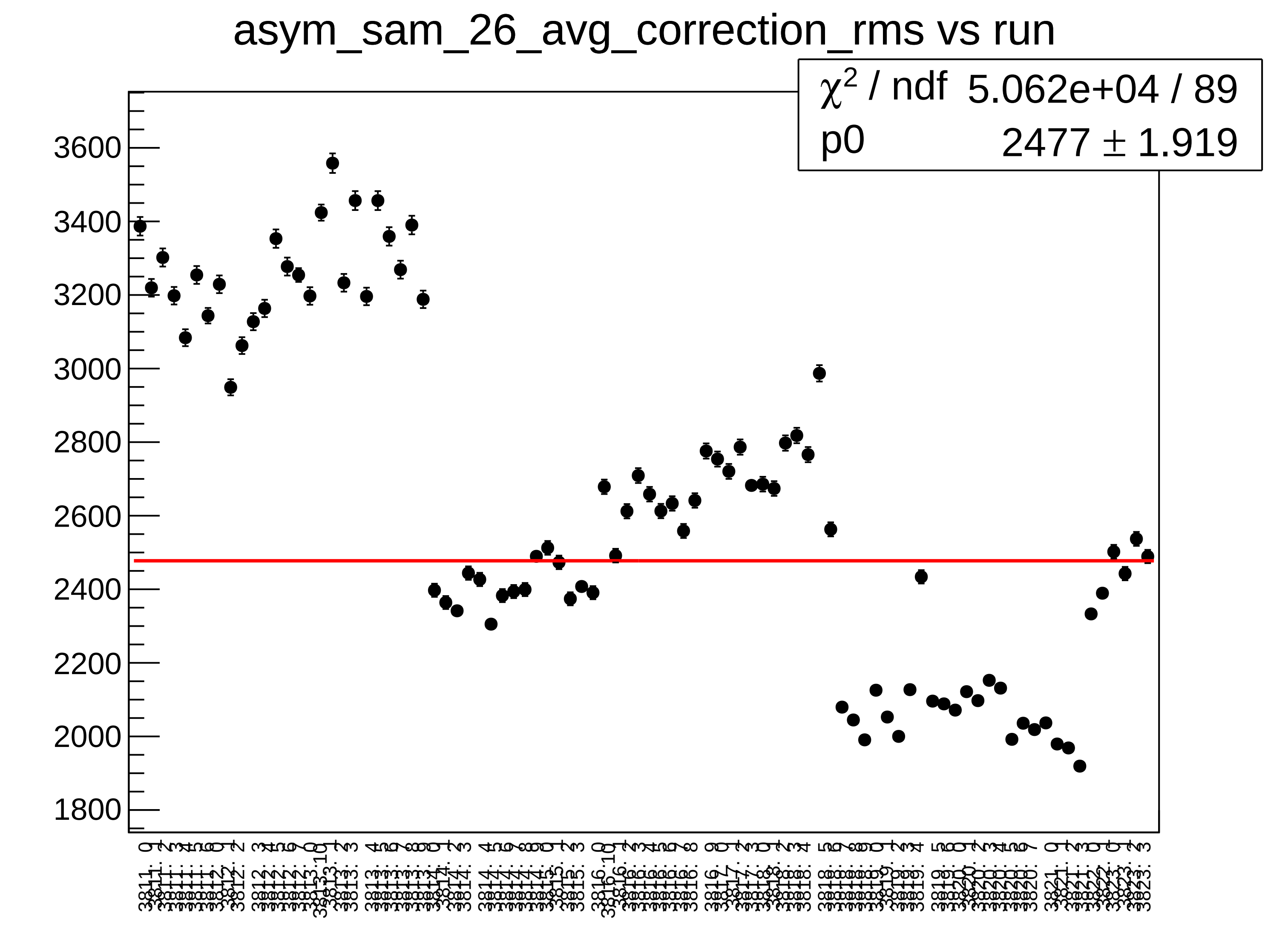
reg_asym_sam_26_avg_mean vs run
χ2 / ndf 115.6 / 89
p0 −253.5 ± 1335
pull
Entries 90
Mean 25.17
Std Dev 15.48
pull1D
Entries 90
Mean 0.01803
Std Dev 1.133

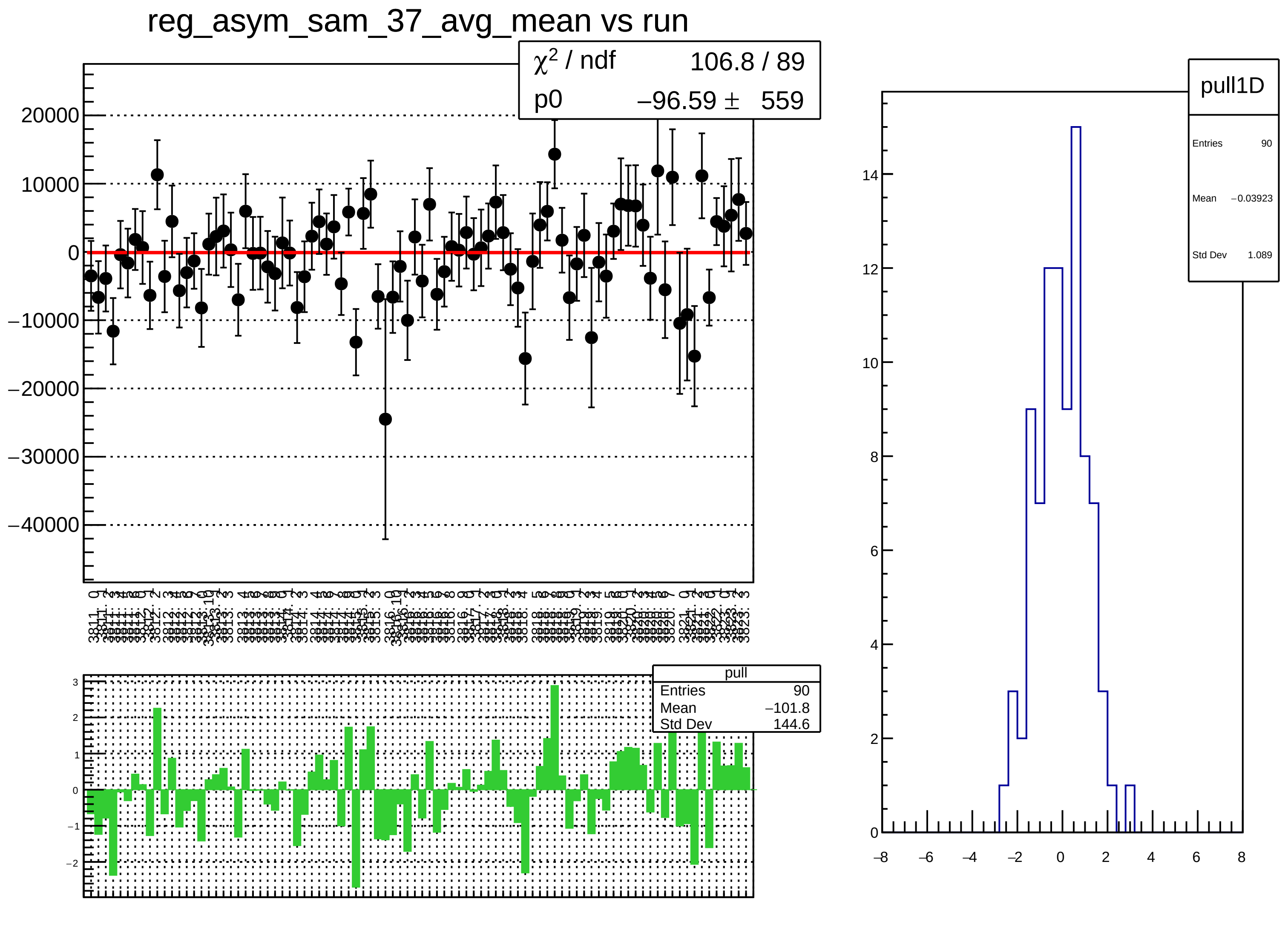


reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 1885 / 89
p0 1237 ± 0.9441
1400
1350
1300
1250
1200
1150

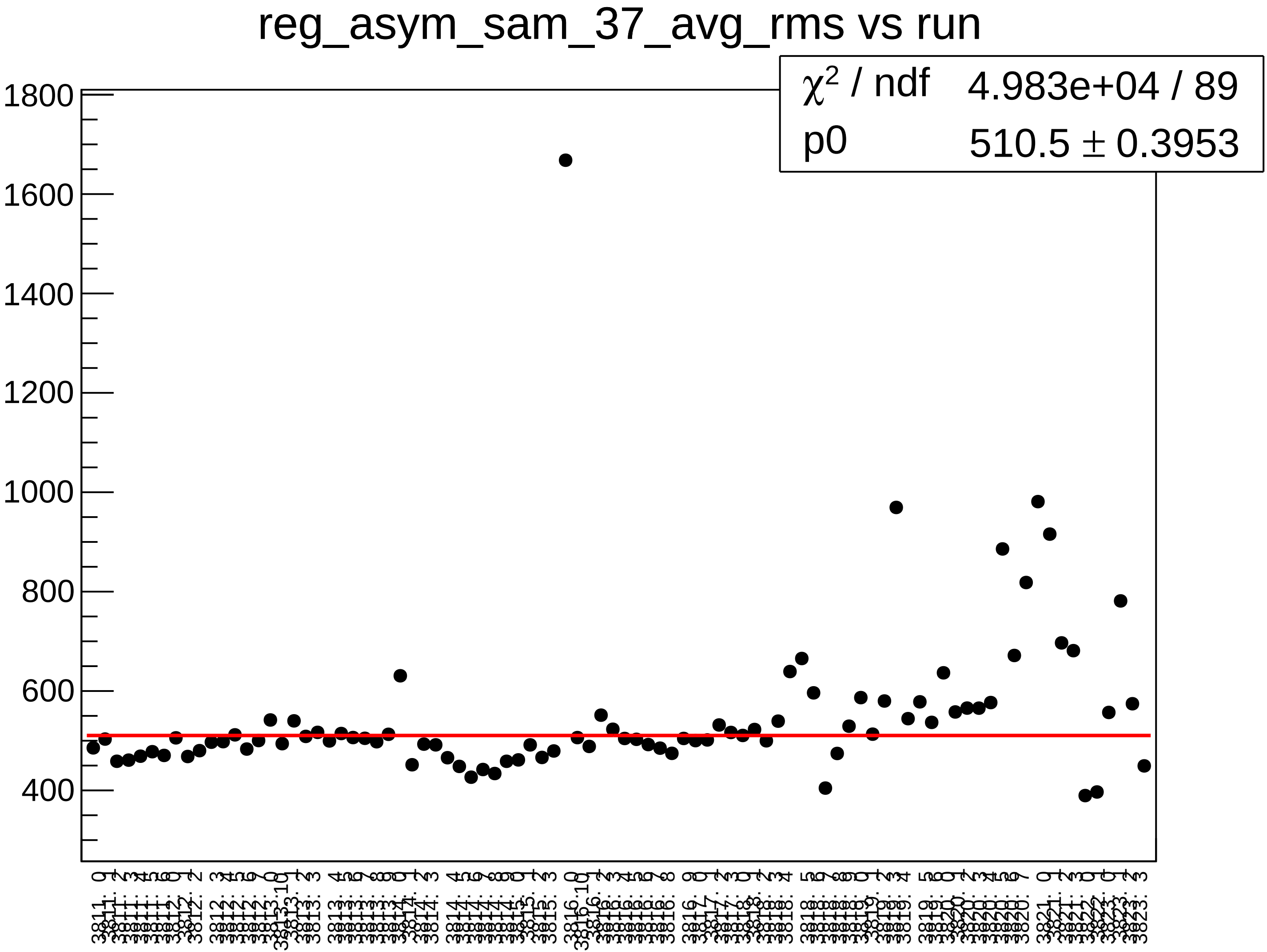


asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 57.03 / 89
p0 637.2 ± 2713
pull
Entries 90
Mean −152.3
Std Dev 200.3
pull1D
Entries 90
Mean 0.01855
Std Dev 0.7958

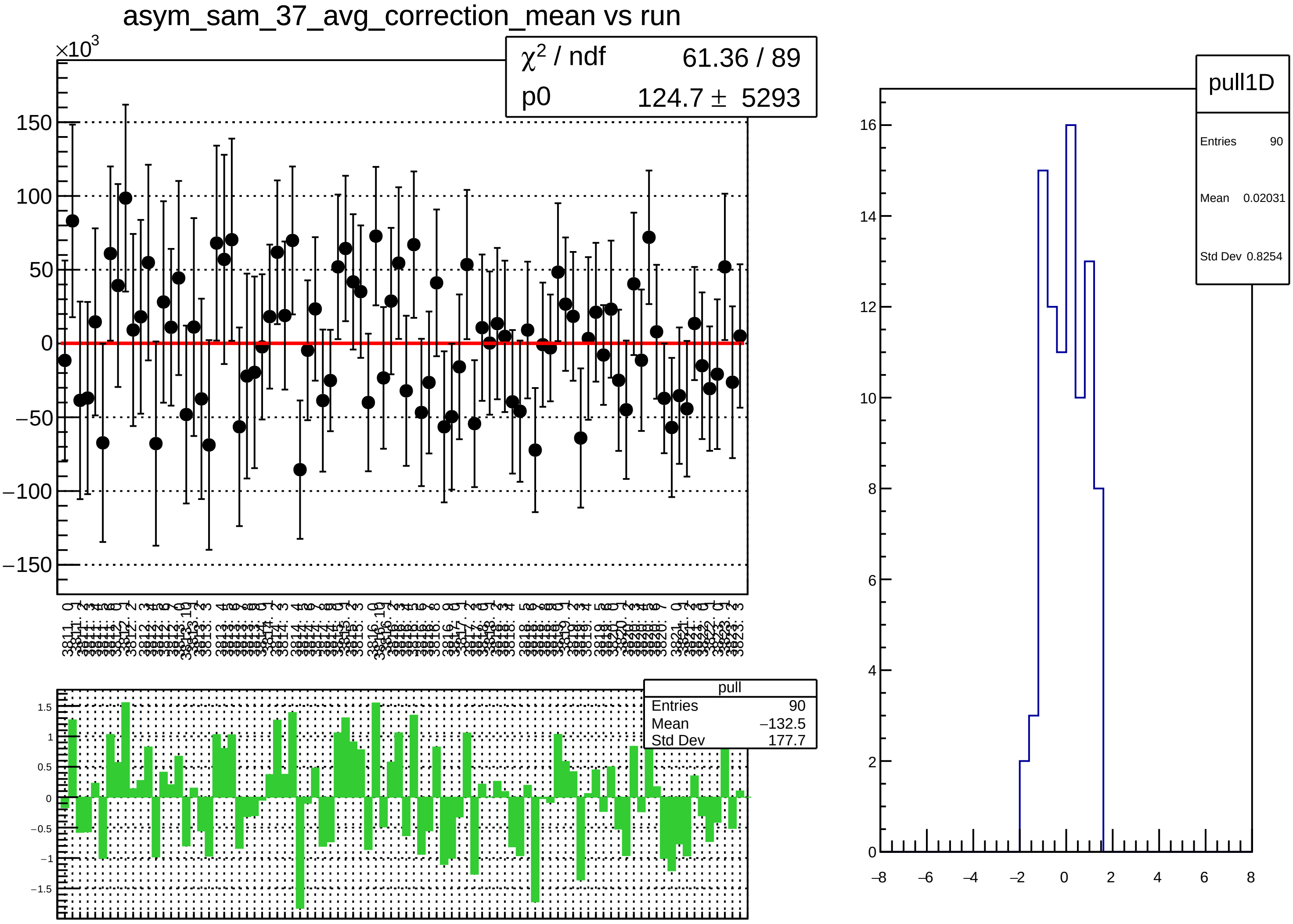

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 5.062e+04 / 89
p0 2477 ± 1.919



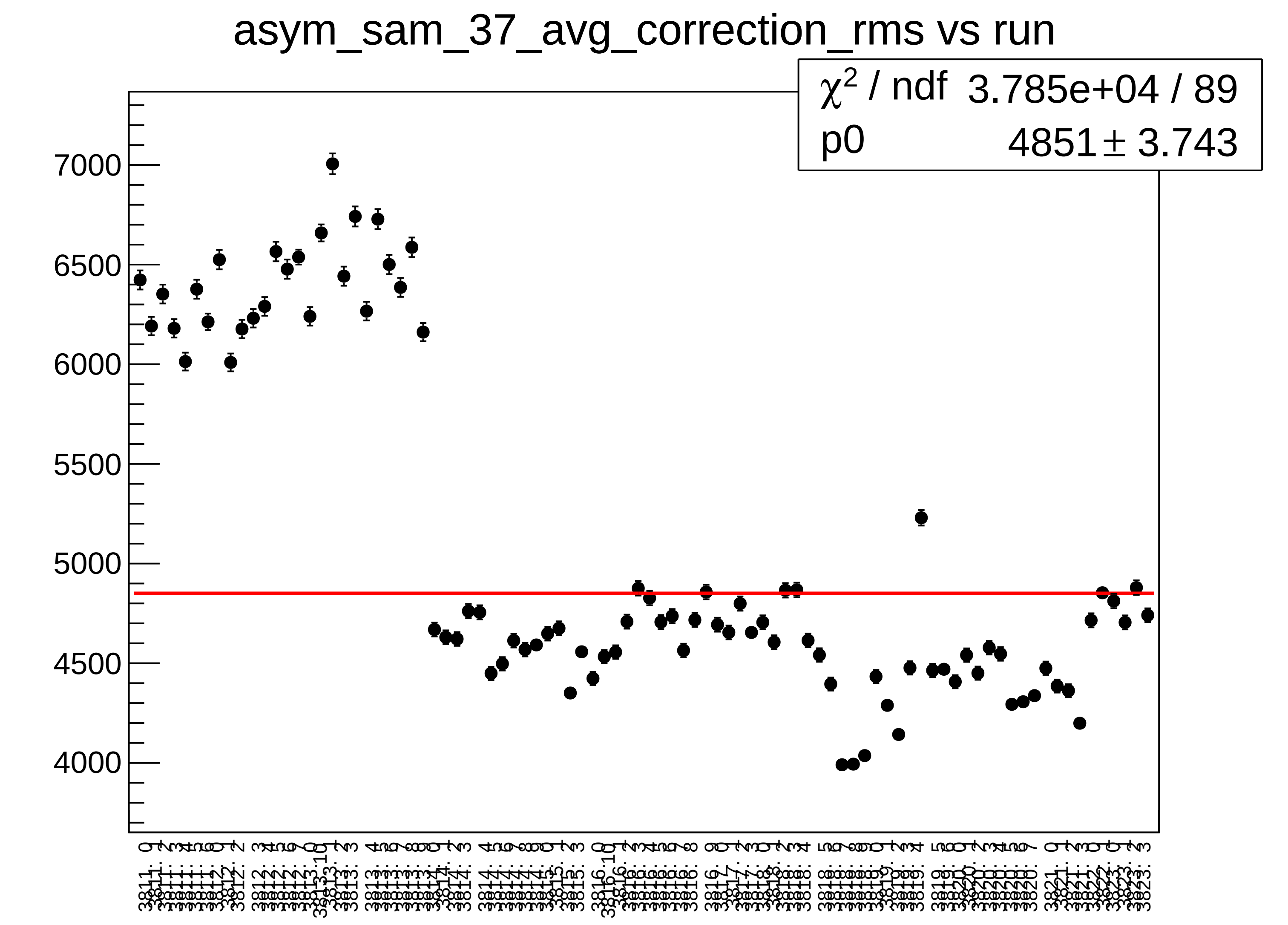
reg_asym_sam_37_avg_mean vs run
χ2 / ndf 106.8 / 89
p0 −96.59 ± 559
pull
Entries 90
Mean −101.8
Std Dev 144.6
pull1D
Entries 90
Mean −0.03923
Std Dev 1.089



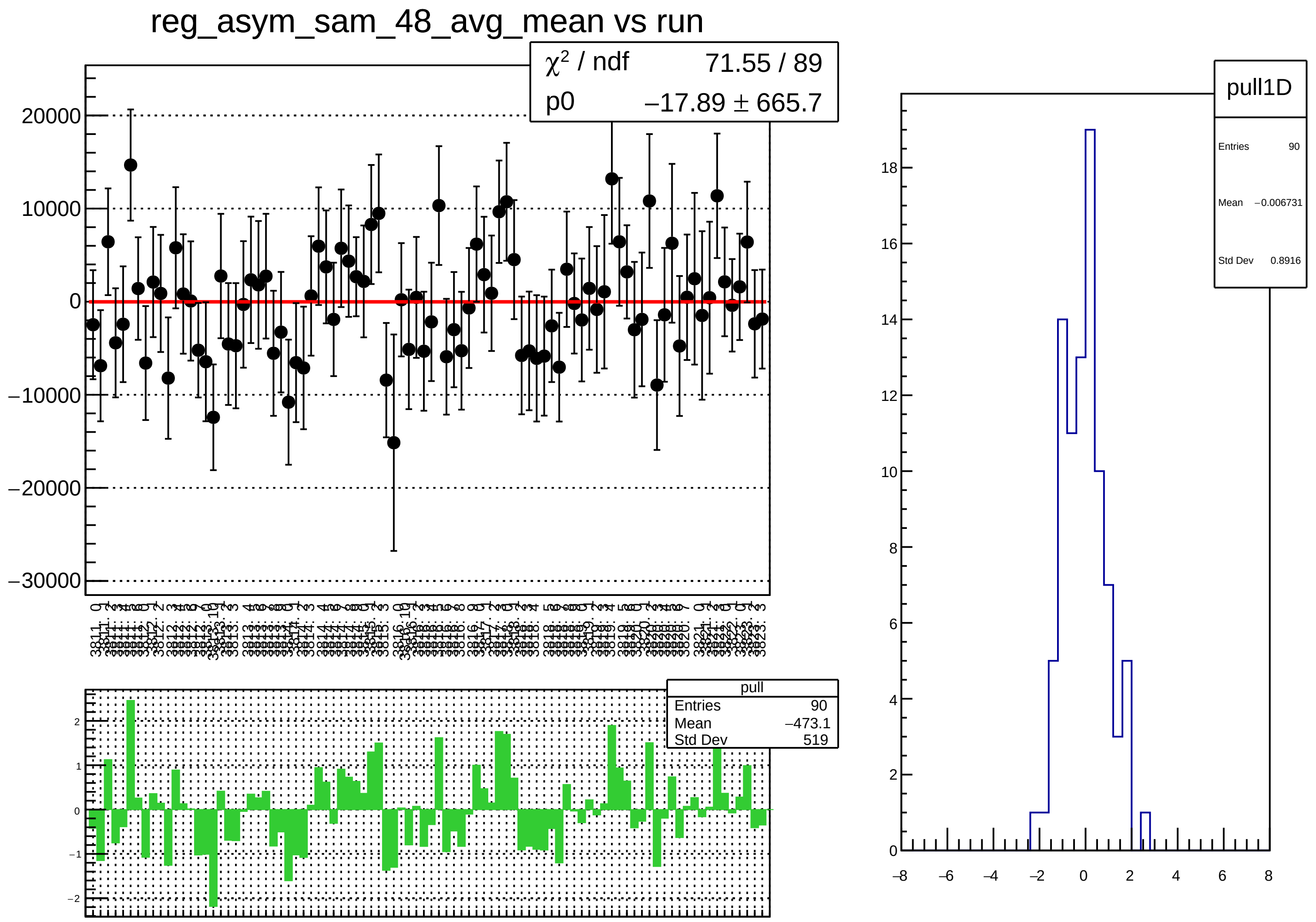
reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 4.983e+04 / 89
p0 510.5 ± 0.3953
1800
1600
1400
1200
1000
800
600
400

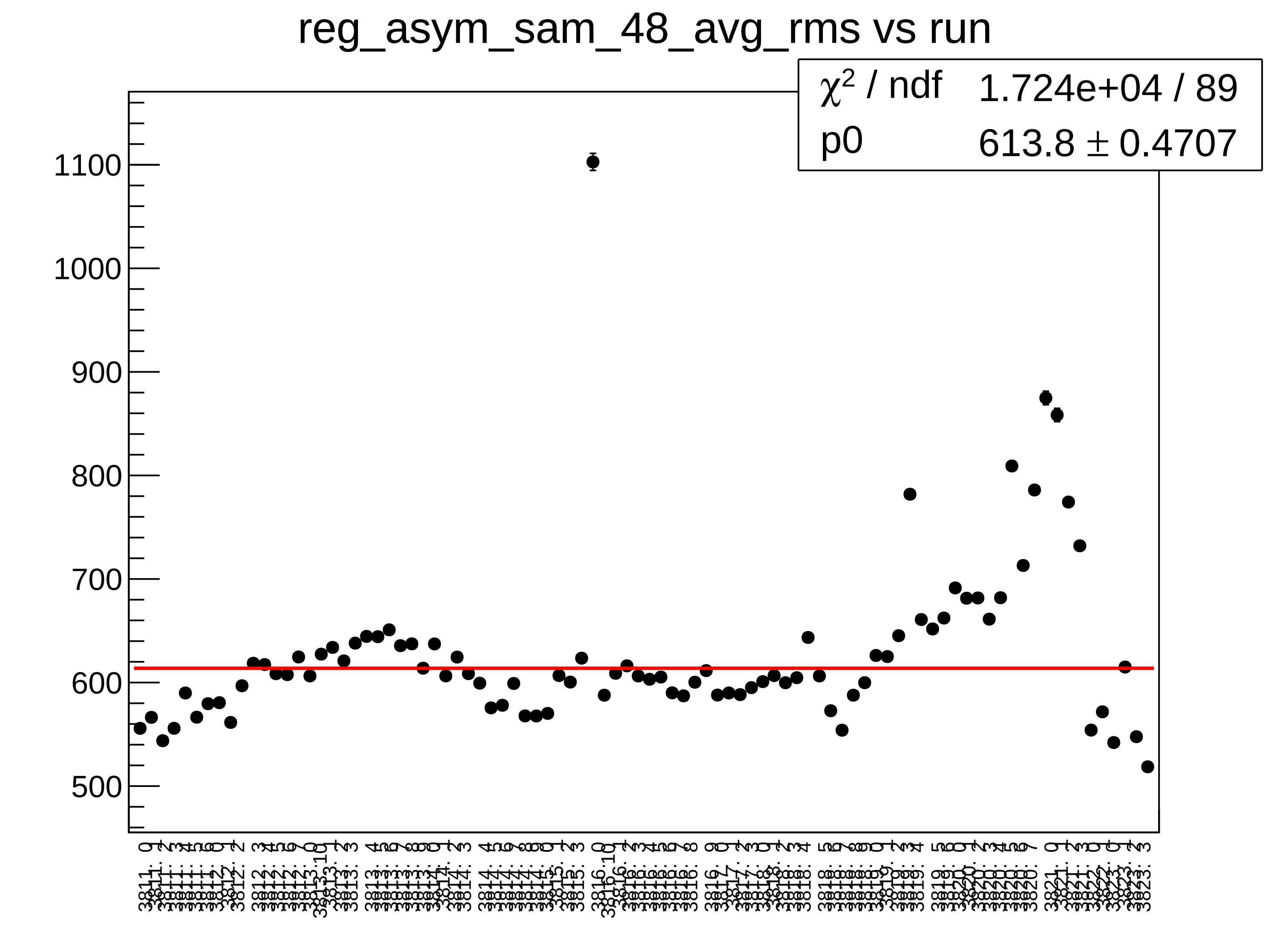


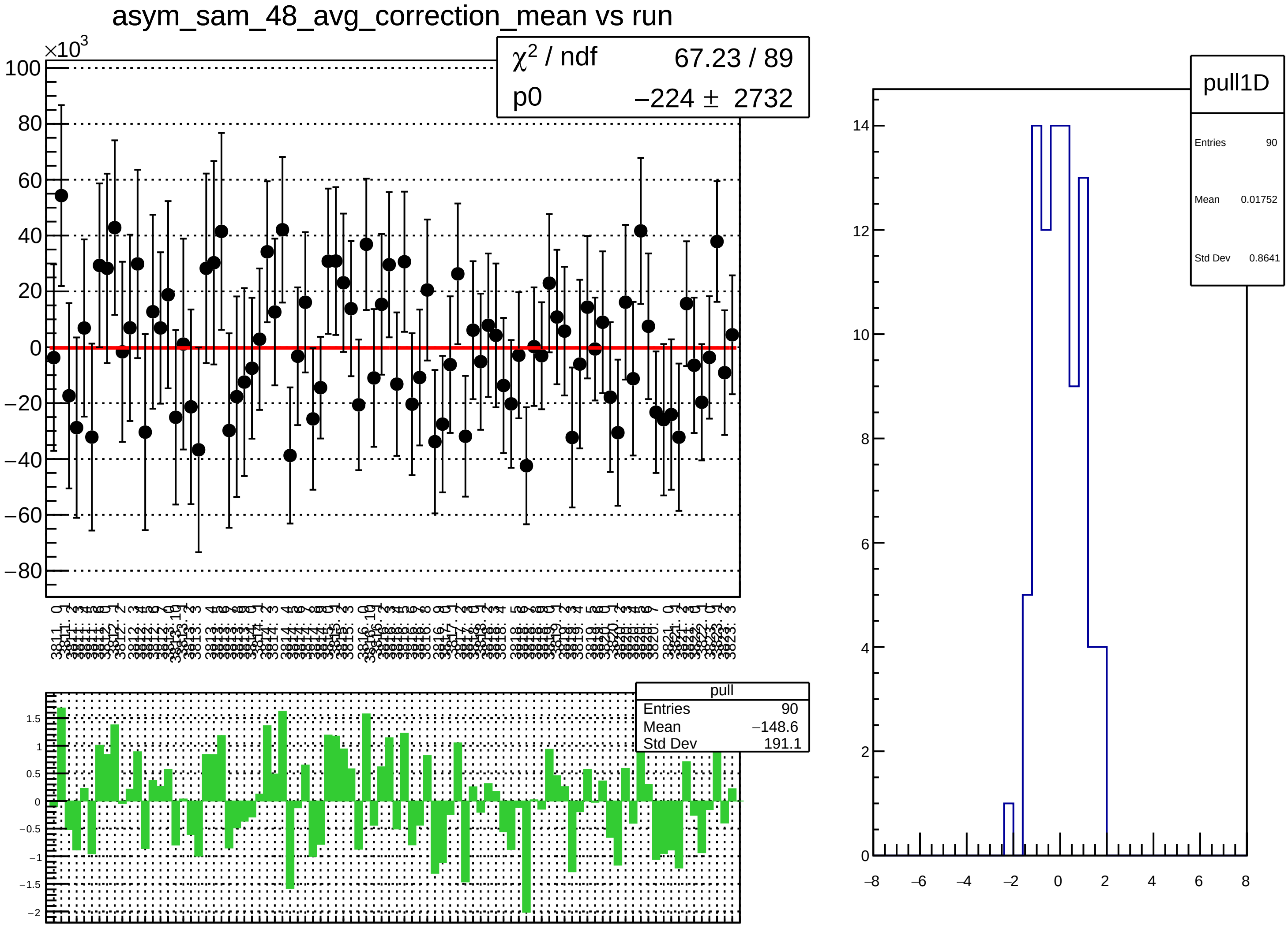
asym_sam_37_avg_correction_mean vs run
$\times10^{3}$
χ^2 / ndf 61.36 / 89
p0 124.7 ± 5293
pull
Entries 90
Mean −132.5
Std Dev 177.7
pull1D
Entries 90
Mean 0.02031
Std Dev 0.8254



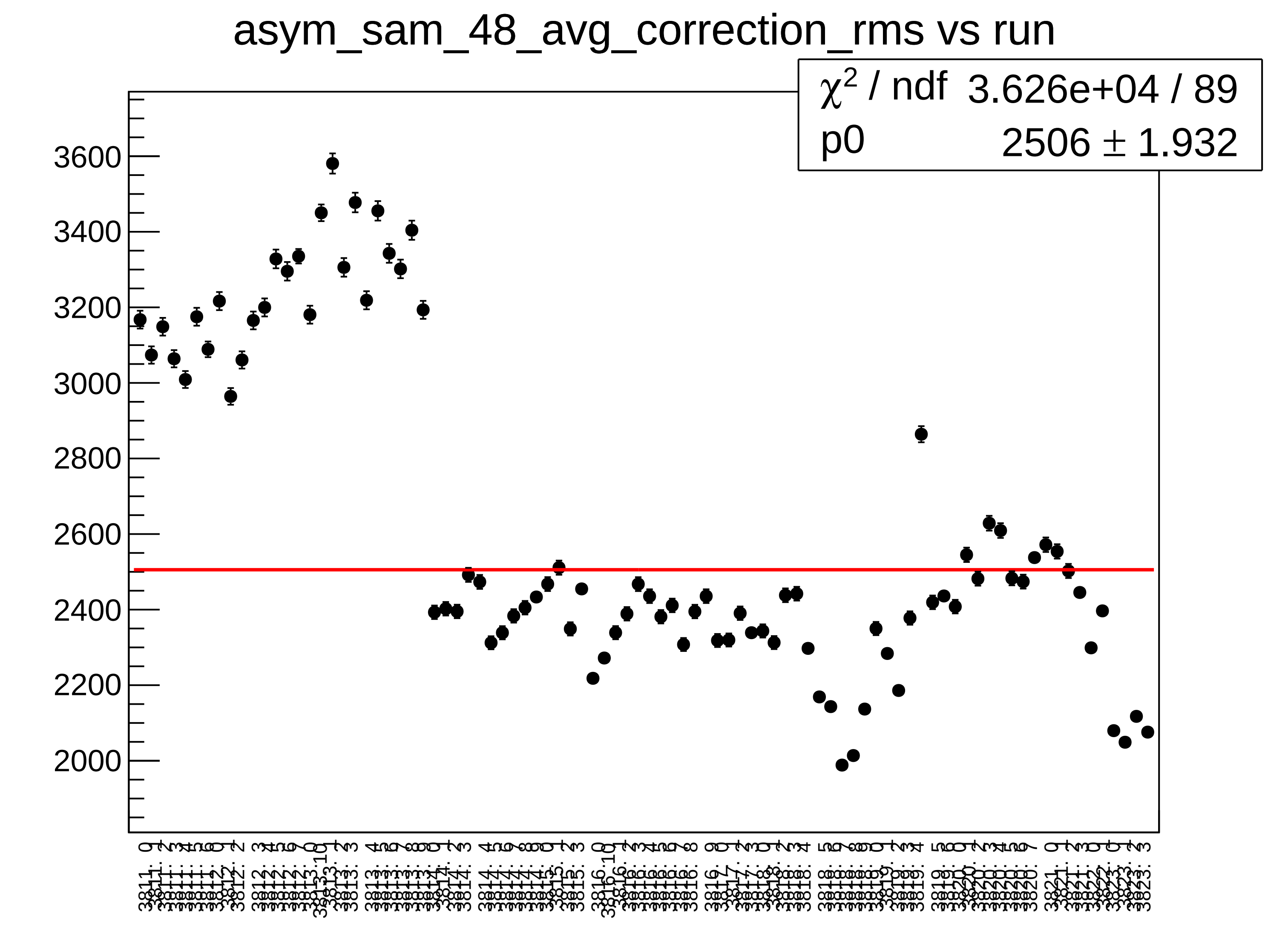
asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 3.785e+04 / 89
p0 4851 ± 3.743
7000
6500
6000
5500
5000
4500
4000


reg_asym_sam_48_avg_mean vs run
χ2 / ndf 71.55 / 89
p0 −17.89 ± 665.7
pull
Entries 90
Mean −473.1
Std Dev 519
pull1D
Entries 90
Mean −0.006731
Std Dev 0.8916

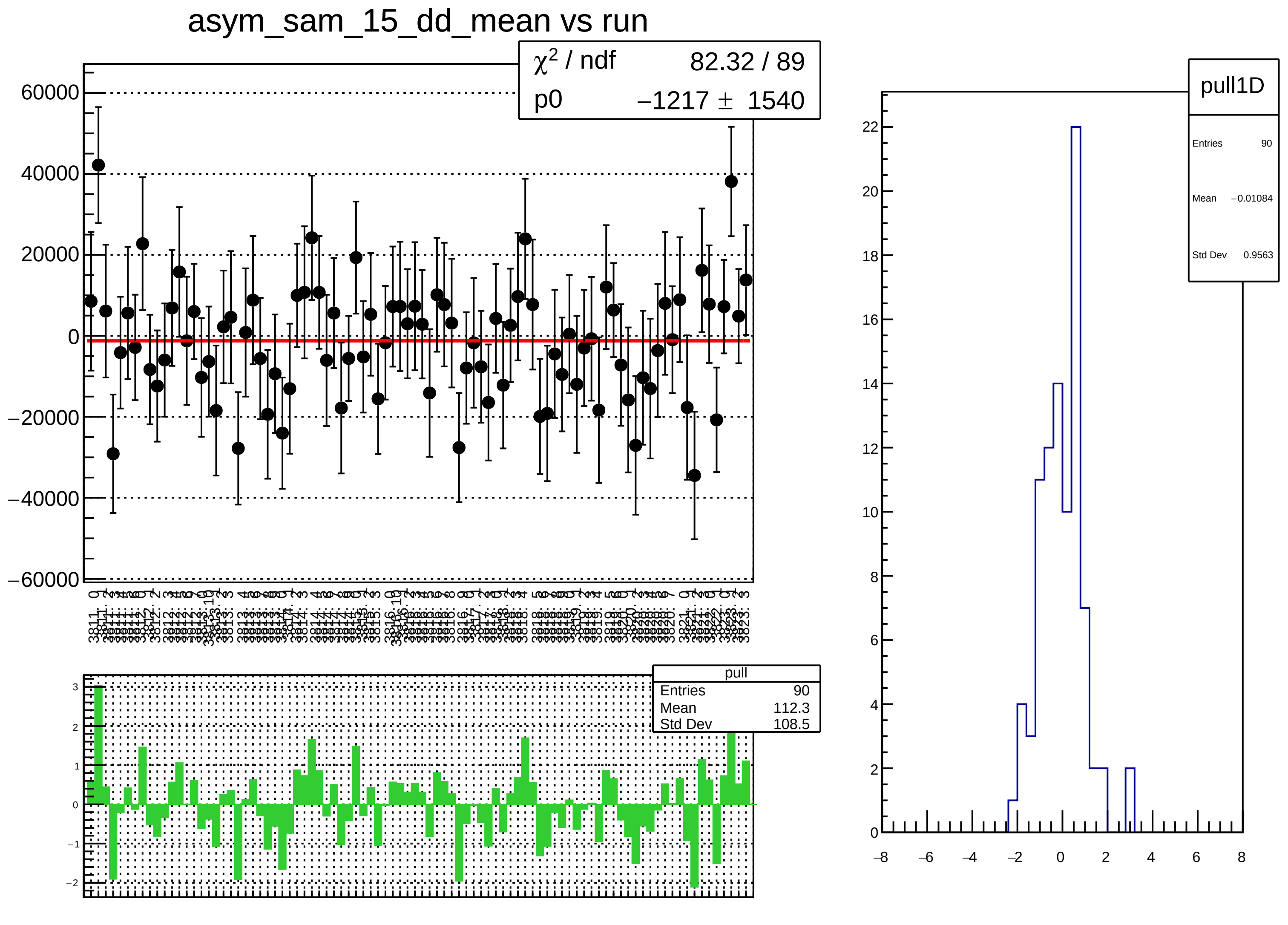

reg_asym_sam_48_avg_rms vs run
χ2 / ndf 1.724e+04 / 89
p0 613.8 ± 0.4707
1100
1000
900
800
700
600
500



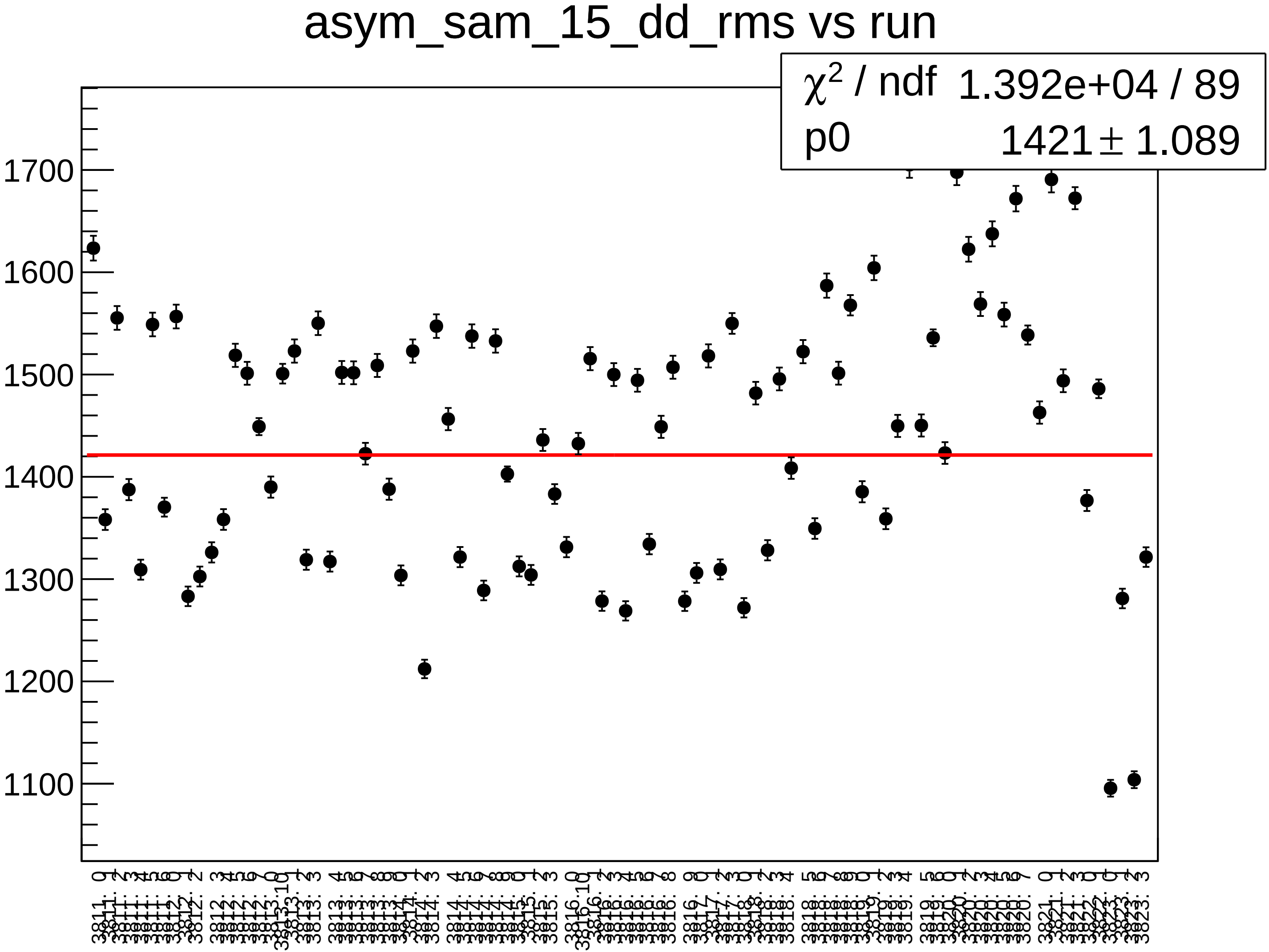
asym_sam_48_avg_correction_mean vs run
$\times10^{3}$
χ^2 / ndf 67.23 / 89
p0 −224 ± 2732
pull
Entries 90
Mean −148.6
Std Dev 191.1
pull1D
Entries 90
Mean 0.01752
Std Dev 0.8641



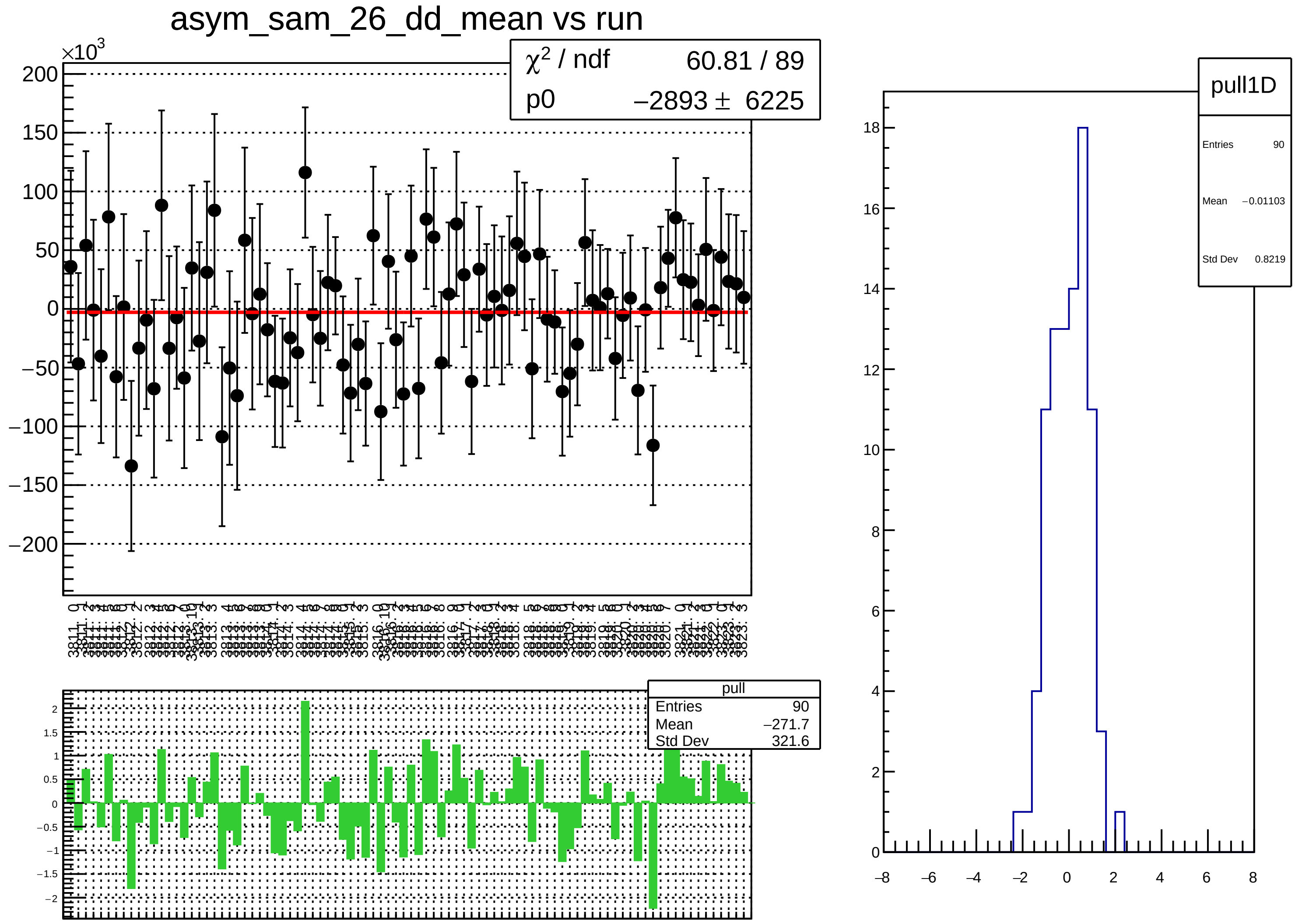
asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 3.626e+04 / 89
p0 2506 ± 1.932
3600
3400
3200
3000
2800
2600
2400
2200
2000



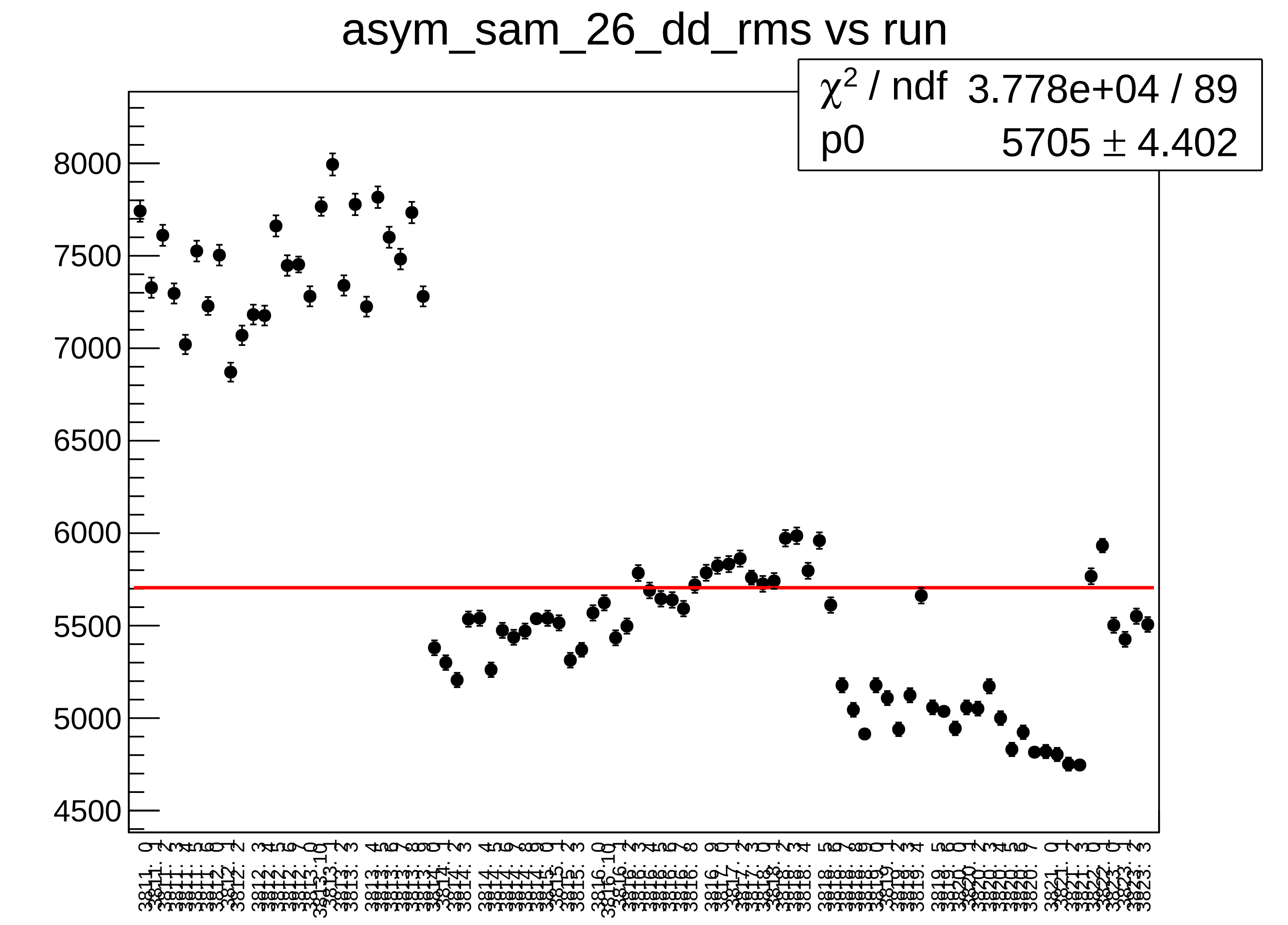
asym_sam_15_dd_mean vs run
χ2 / ndf 82.32 / 89
p0 −1217 ± 1540
pull
Entries 90
Mean 112.3
Std Dev 108.5
pull1D
Entries 90
Mean −0.01084
Std Dev 0.9563



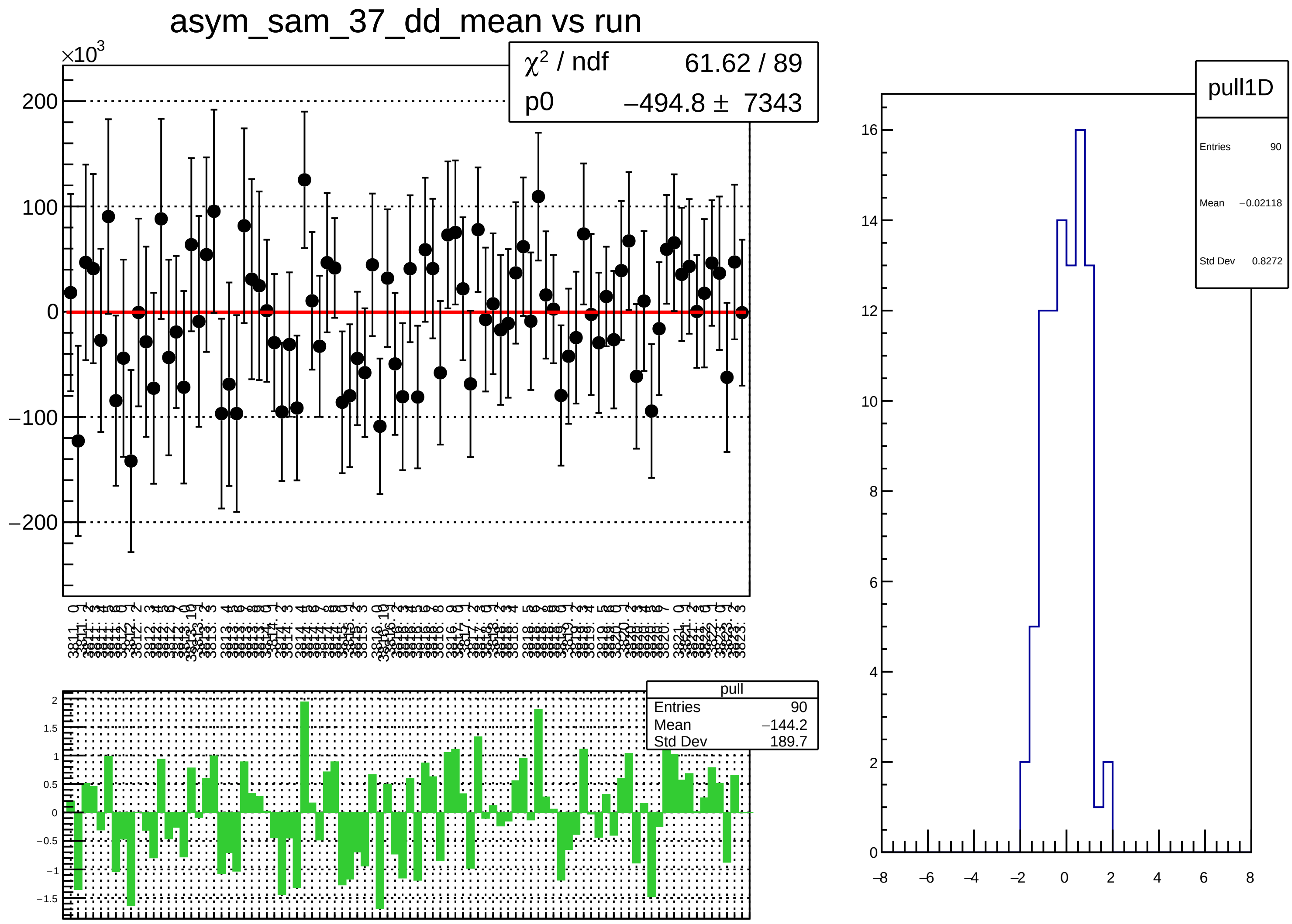
asym_sam_15_dd_rms vs run
χ2 / ndf 1.392e+04 / 89
p0 1421 ± 1.089
1700
1600
1500
1400
1300
1200
1100



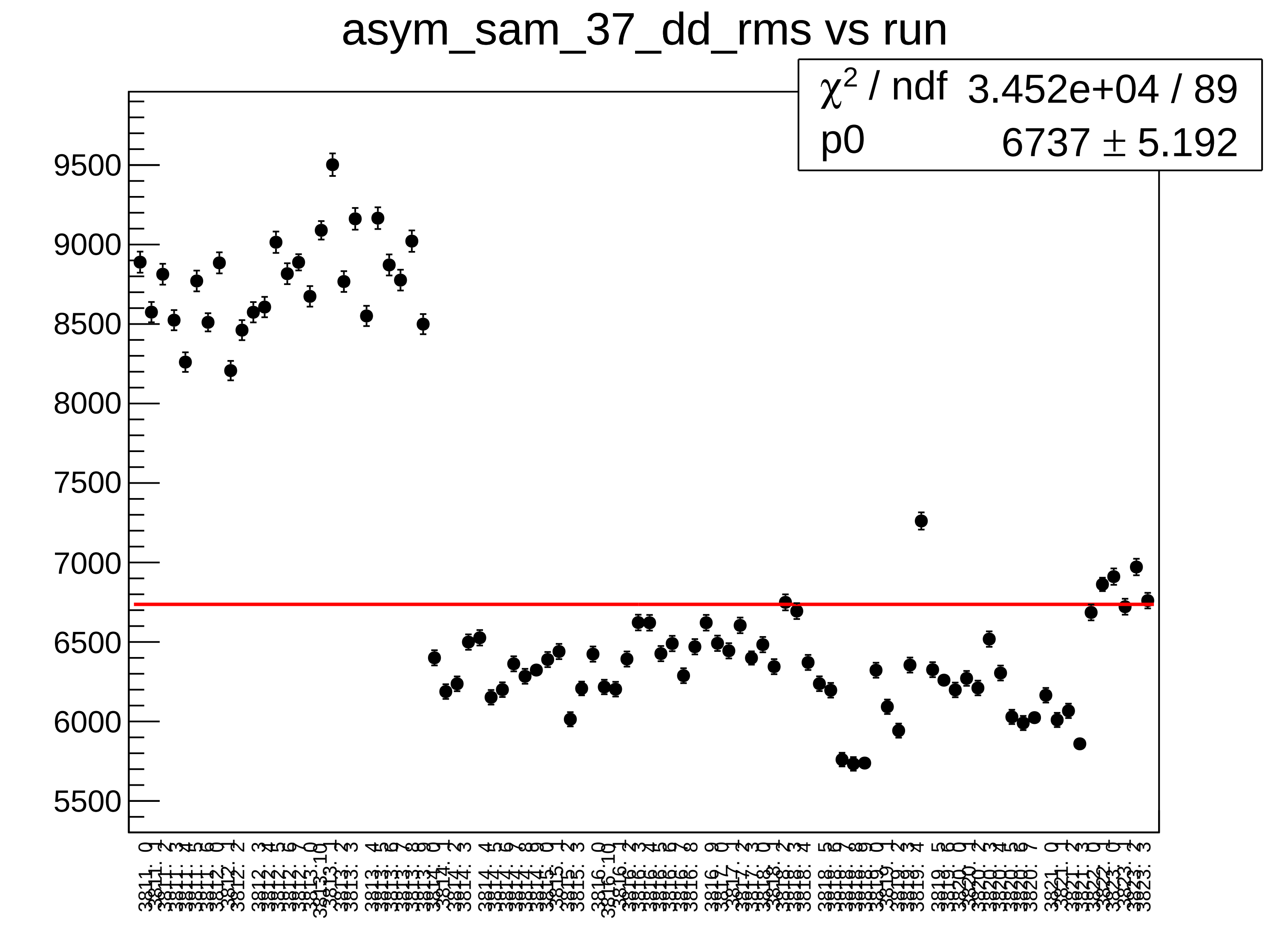
asym_sam_26_dd_mean vs run
χ² / ndf 60.81 / 89
p0 −2893 ± 6225
pull
Entries 90
Mean −271.7
Std Dev 321.6
pull1D
Entries 90
Mean −0.01103
Std Dev 0.8219



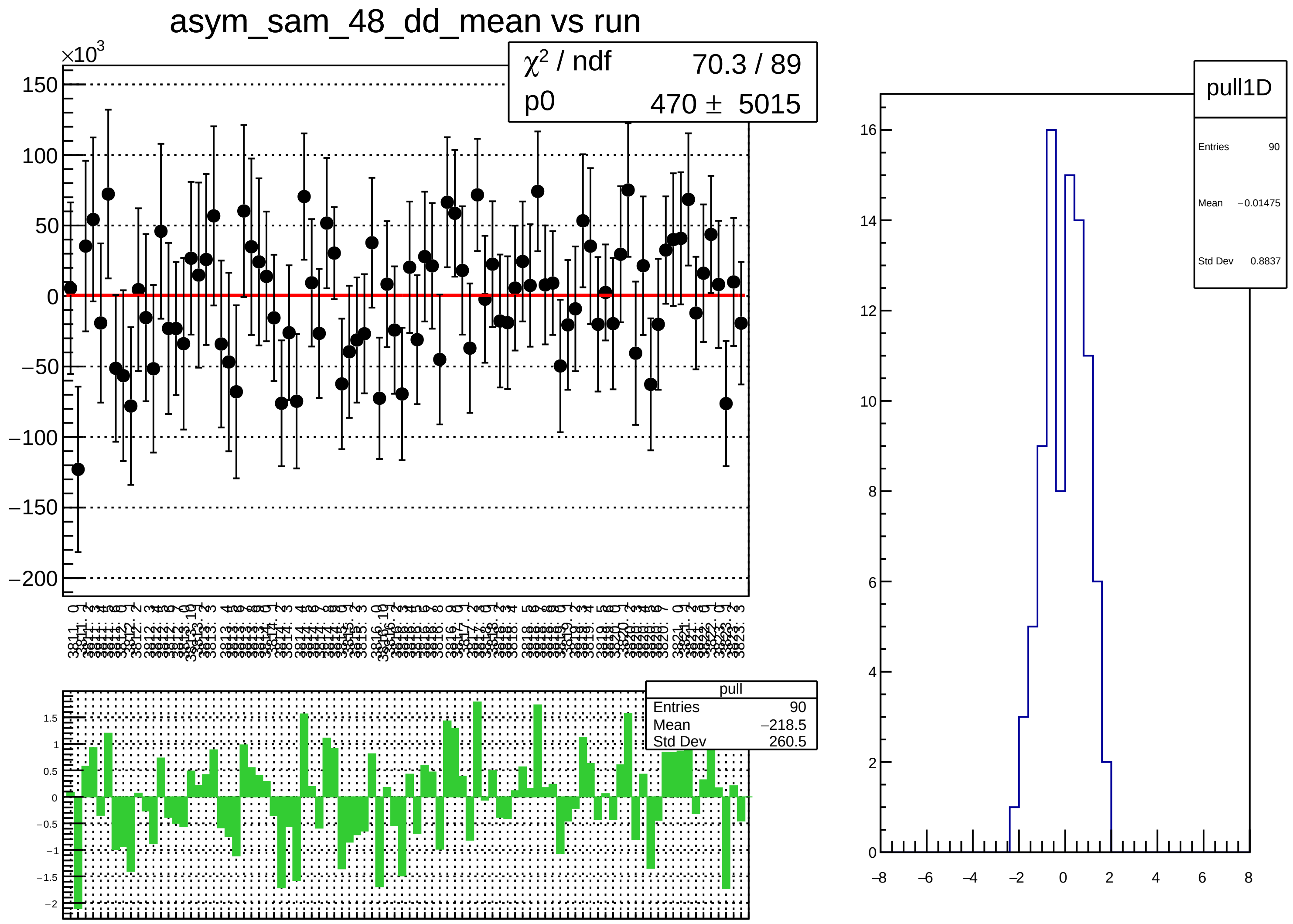
asym_sam_26_dd_rms vs run
χ^2 / ndf 3.778e+04 / 89
p0 5705 ± 4.402
8000
7500
7000
6500
6000
5500
5000
4500



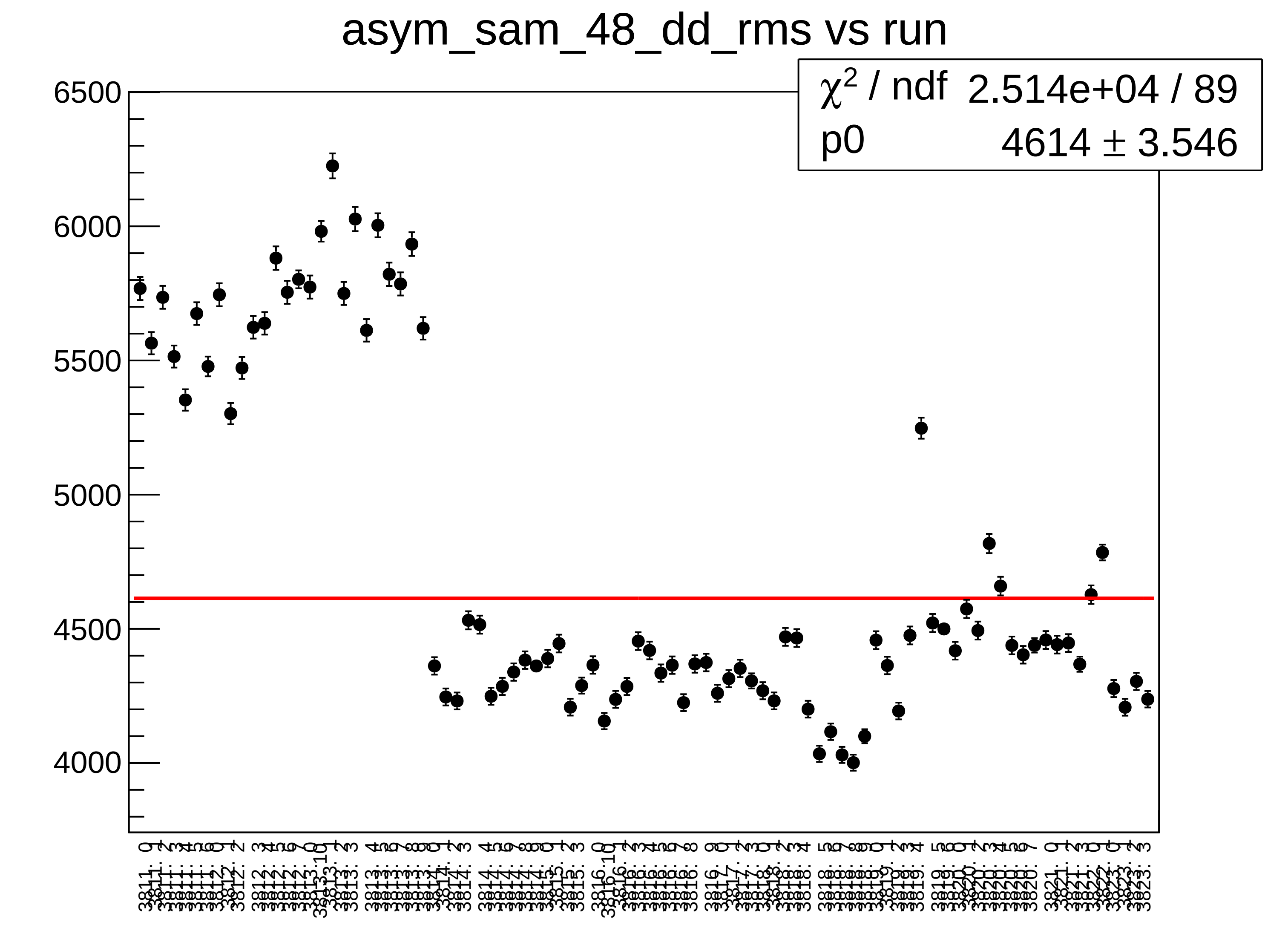
asym_sam_37_dd_mean vs run
χ^2 / ndf 61.62 / 89
p0 −494.8 ± 7343
×10^3
200
100
0
−100
−200
pull
Entries 90
Mean −144.2
Std Dev 189.7
pull1D
Entries 90
Mean −0.02118
Std Dev 0.8272



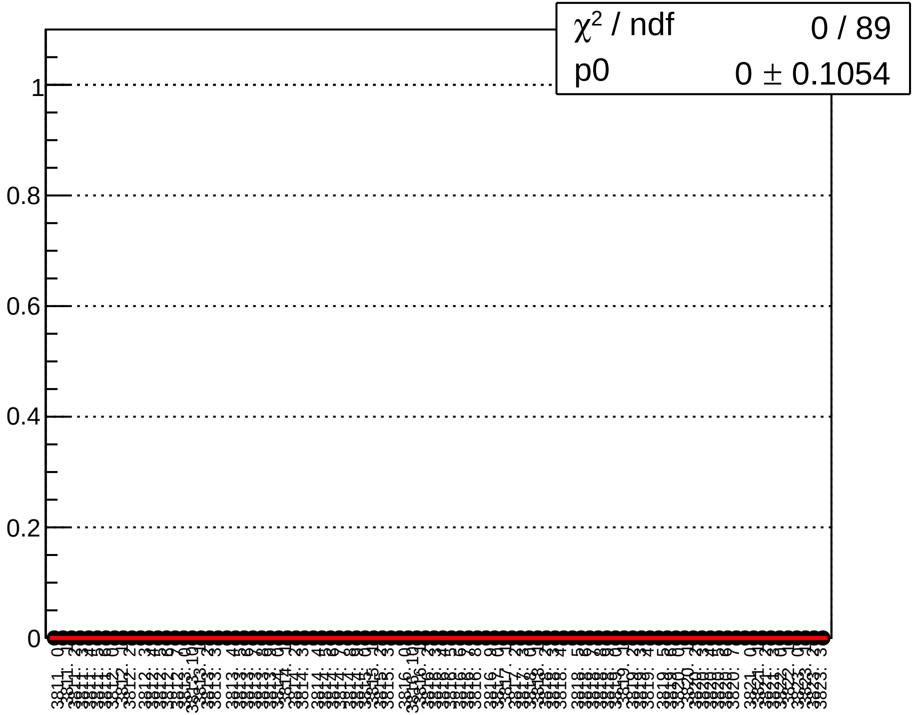
asym_sam_37_dd_rms vs run
χ^2 / ndf 3.452e+04 / 89
p0 6737 ± 5.192
9500
9000
8500
8000
7500
7000
6500
6000
5500

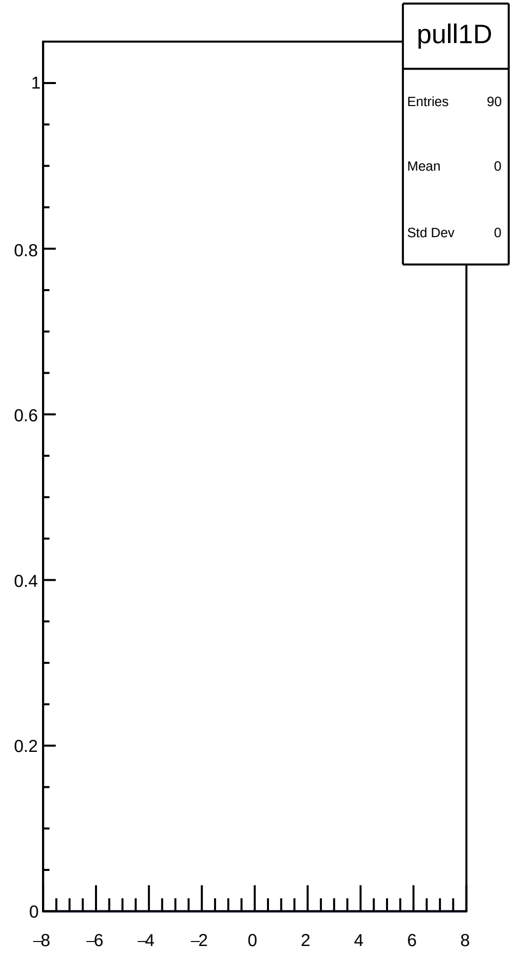


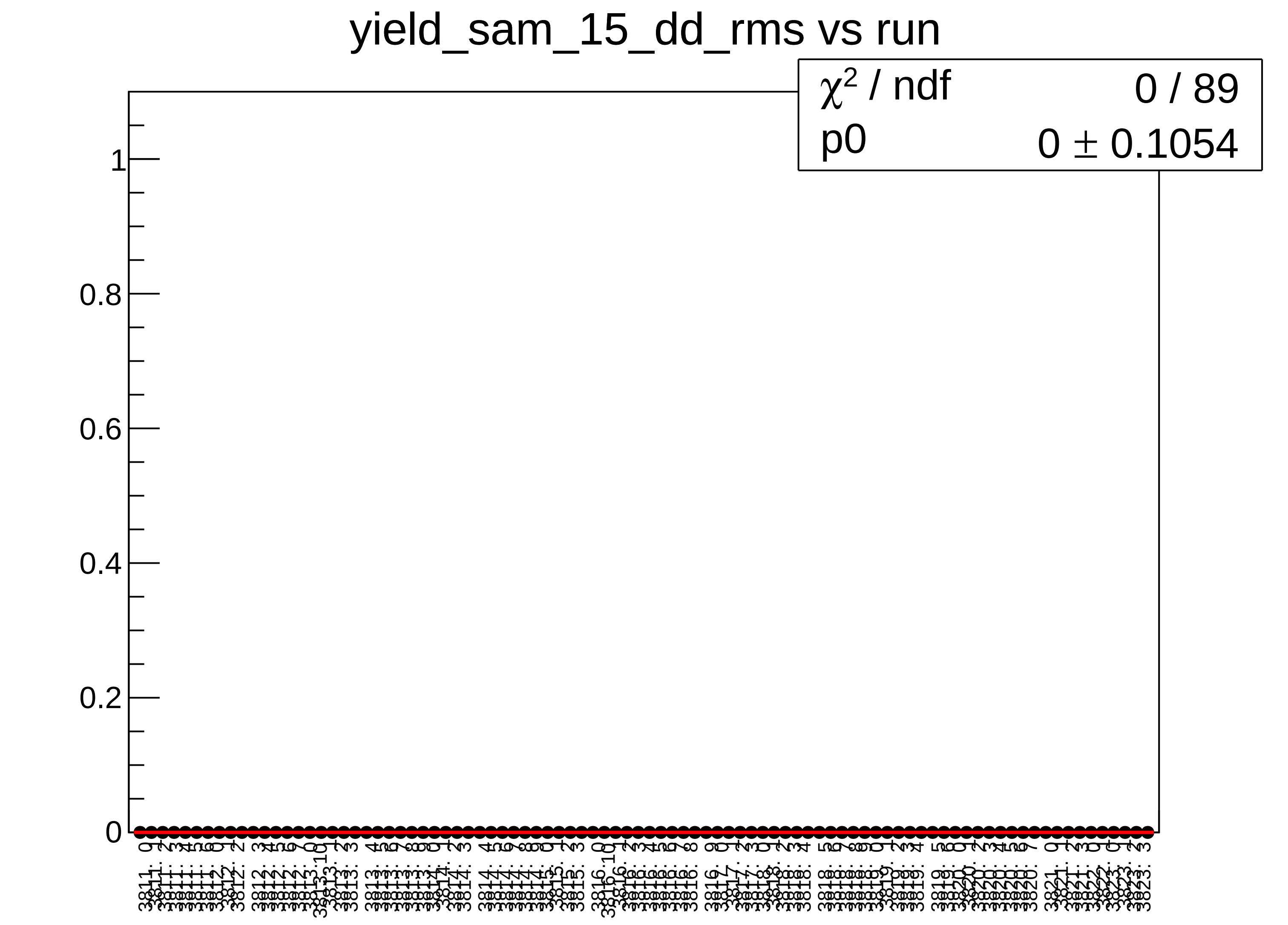
asym_sam_48_dd_mean vs run
×10^3
χ2 / ndf 70.3 / 89
p0 470 ± 5015
pull
Entries 90
Mean −218.5
Std Dev 260.5
pull1D
Entries 90
Mean −0.01475
Std Dev 0.8837

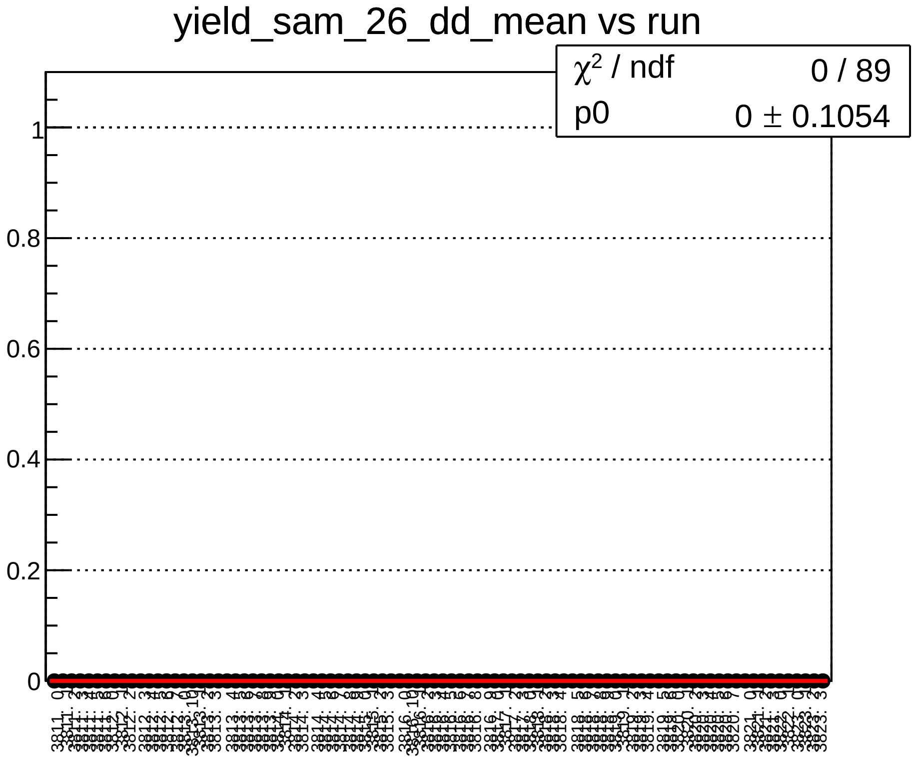

asym_sam_48_dd_rms vs run
χ² / ndf 2.514e+04 / 89
p0 4614 ± 3.546
6500
6000
5500
5000
4500
4000

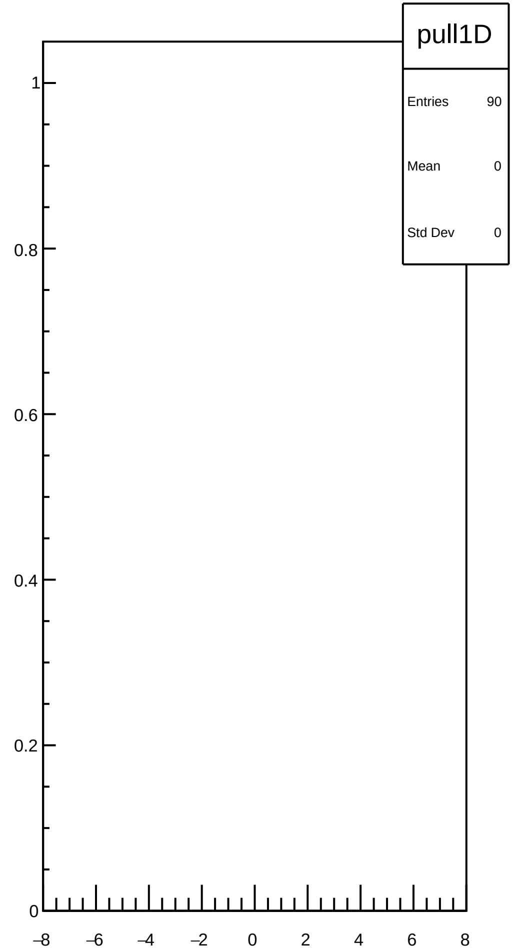
yield_sam_15_dd_mean vs run

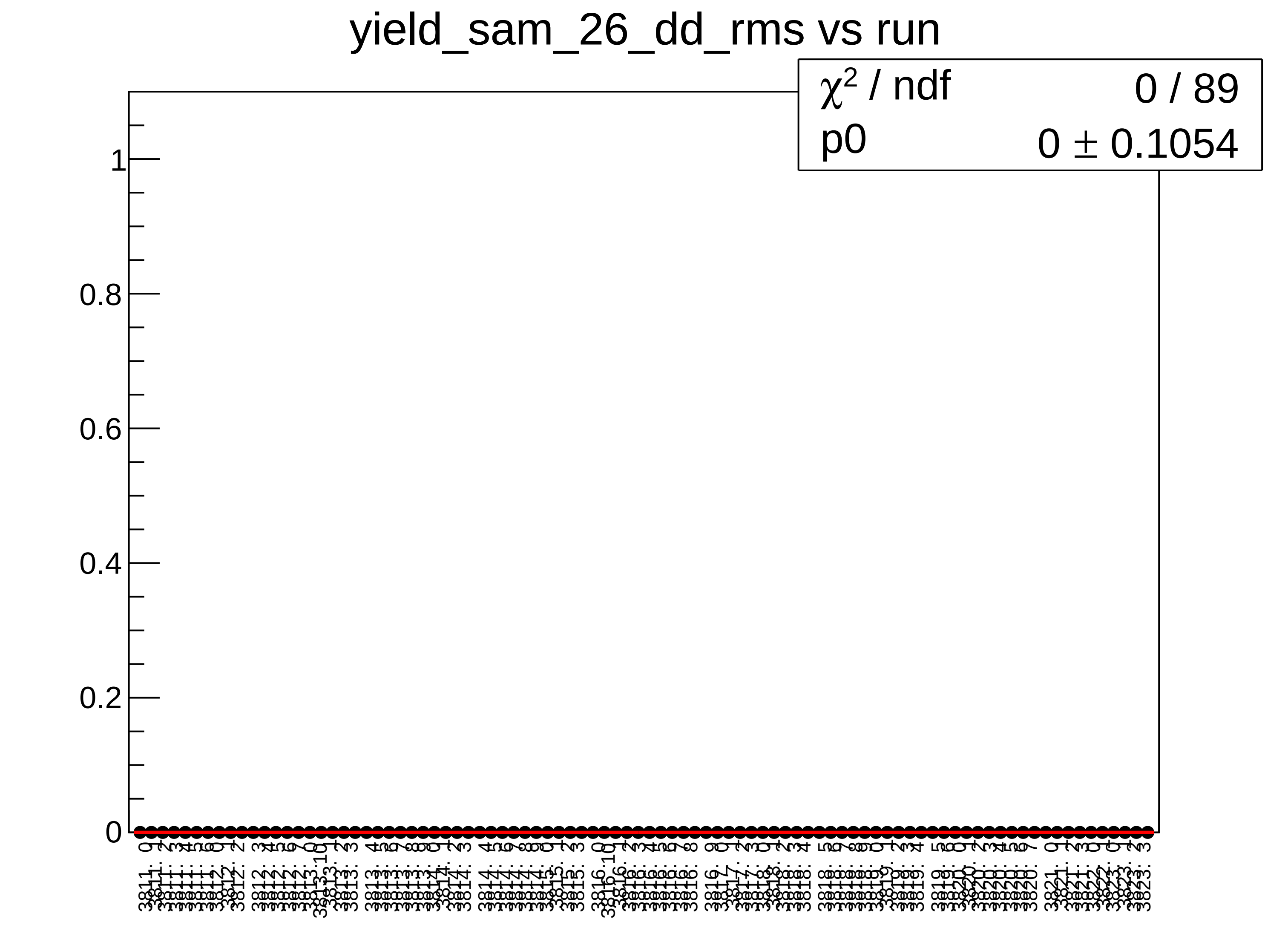


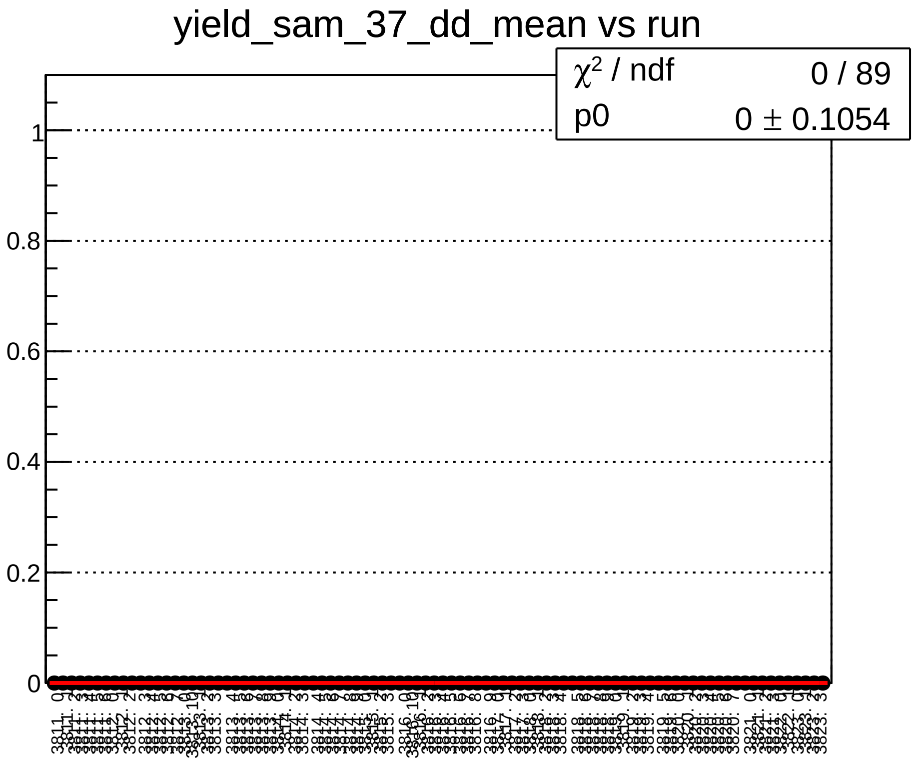



yield_sam_15_dd_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054

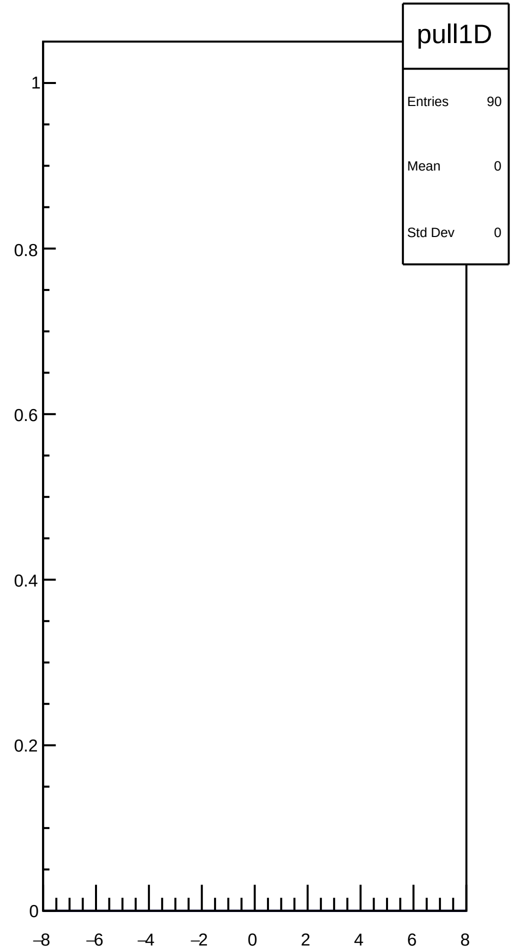

yield_sam_26_dd_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

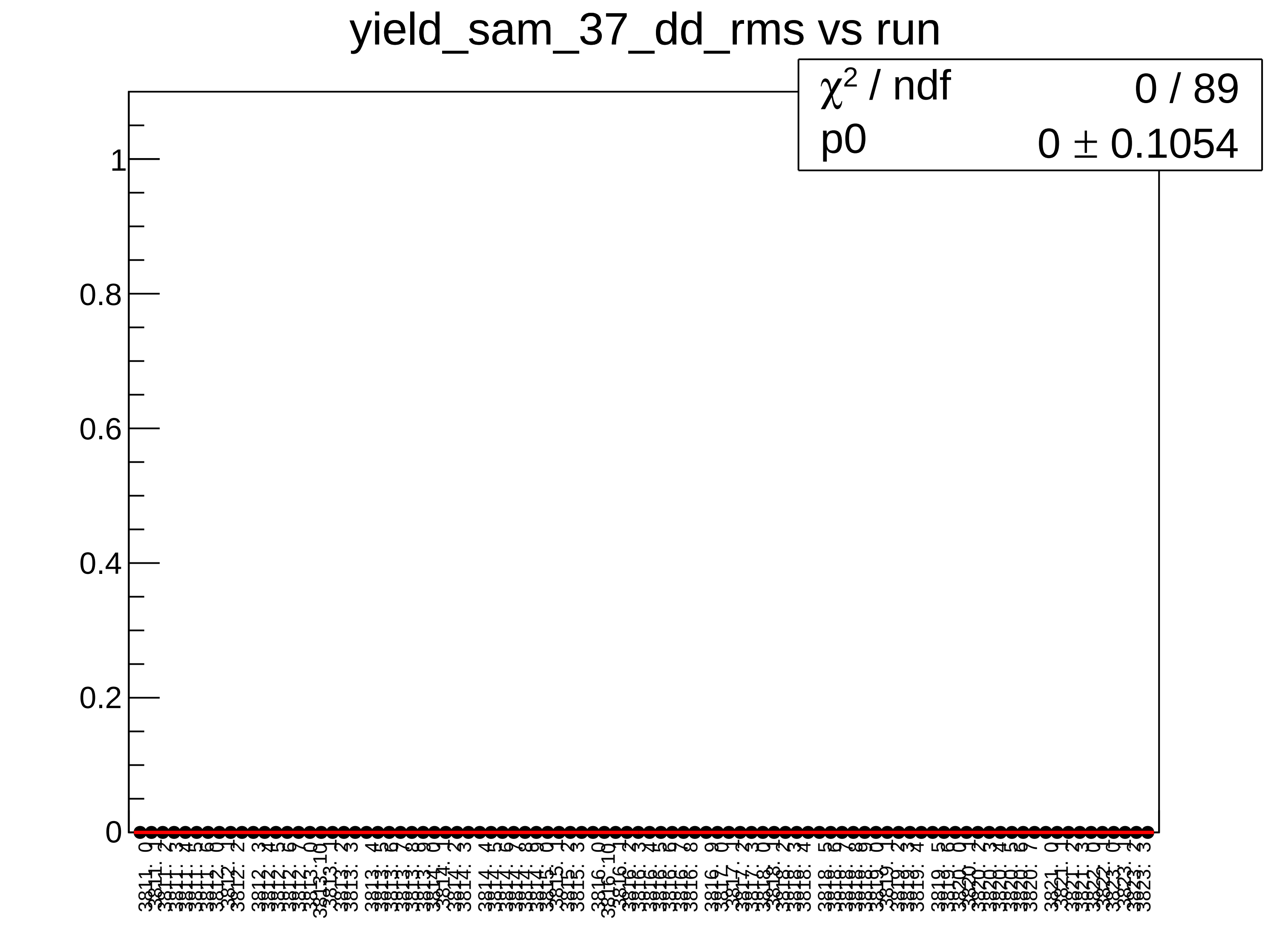

yield_sam_26_dd_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

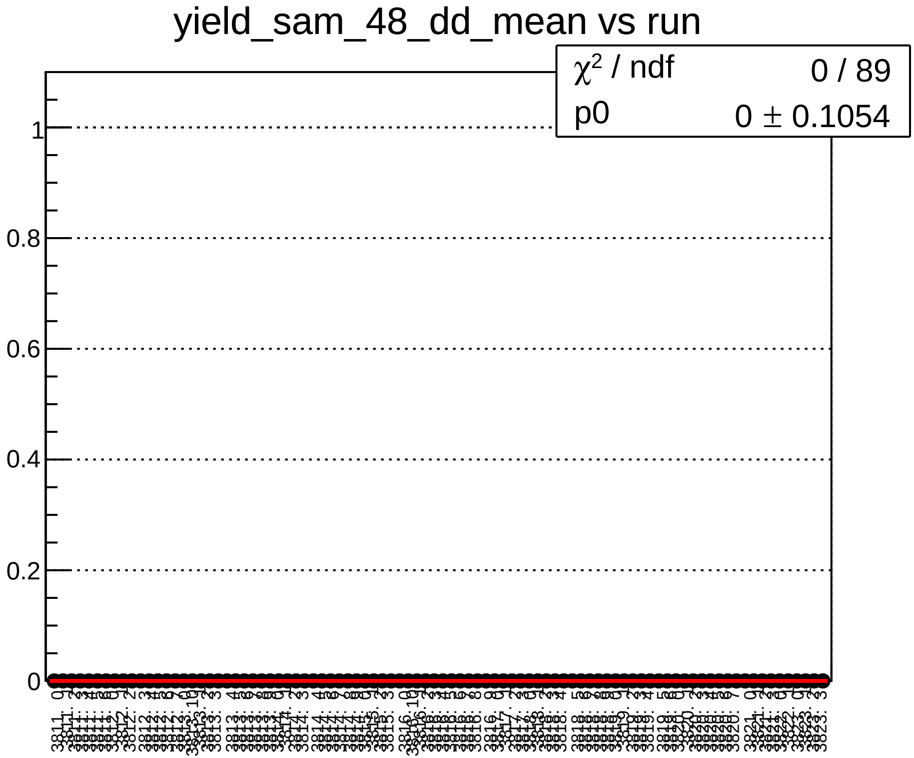


yield_sam_37_dd_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

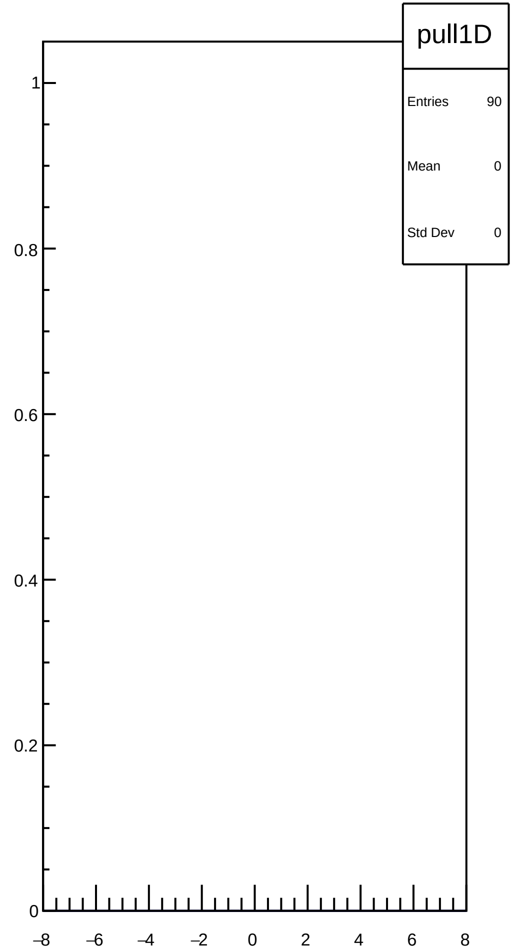


pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

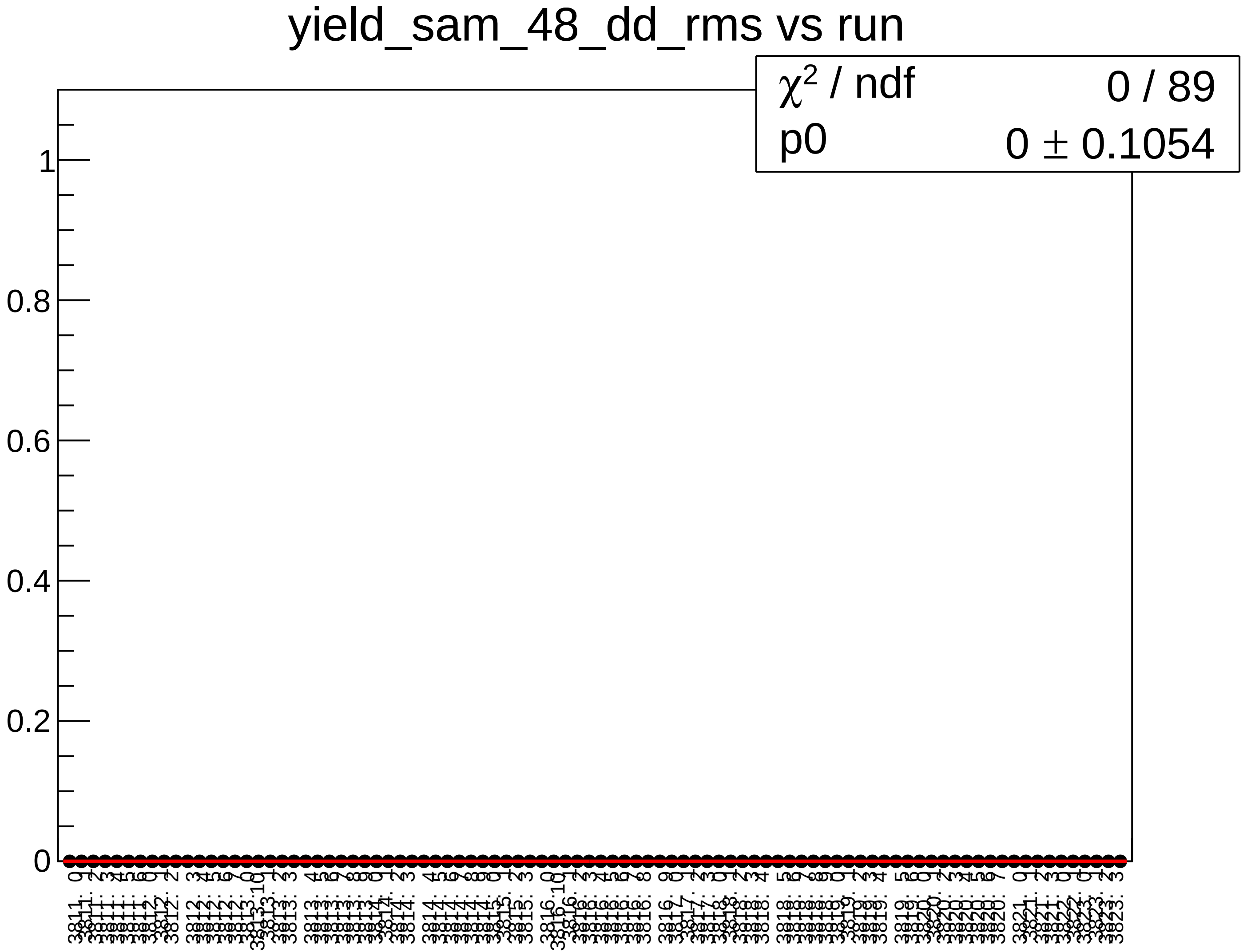

yield_sam_37_dd_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
0
0.2
0.4
0.6
0.8
1



yield_sam_48_dd_mean vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

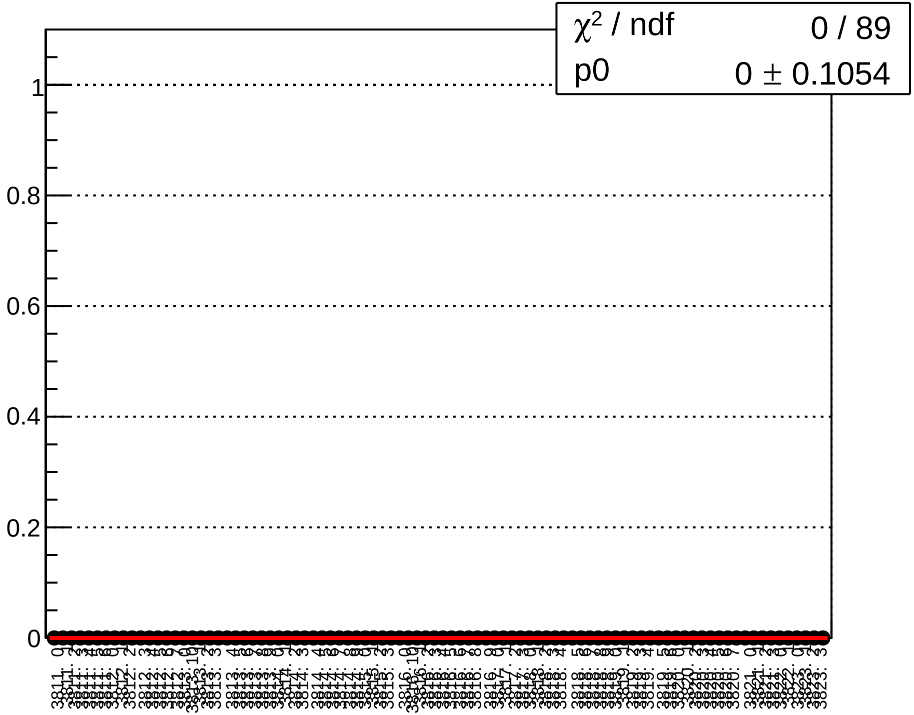


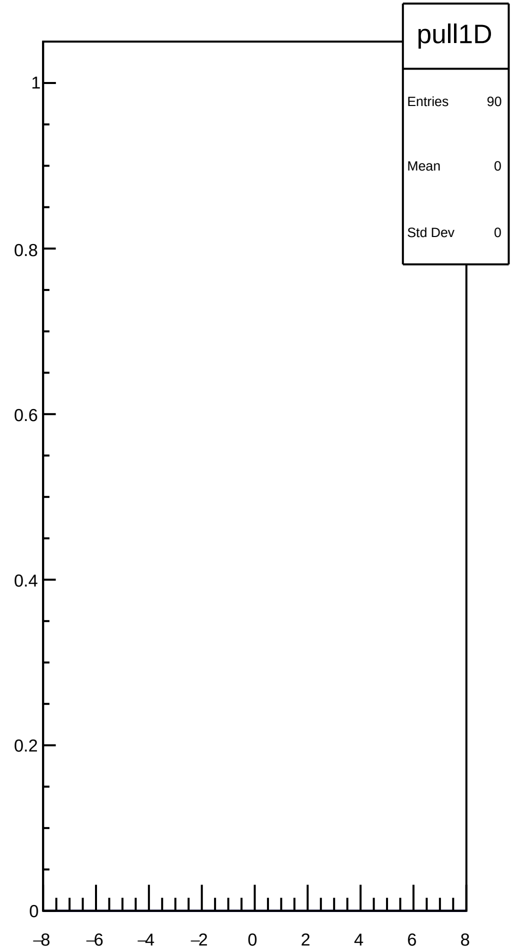
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8 –6 –4 –2 0 2 4 6 8

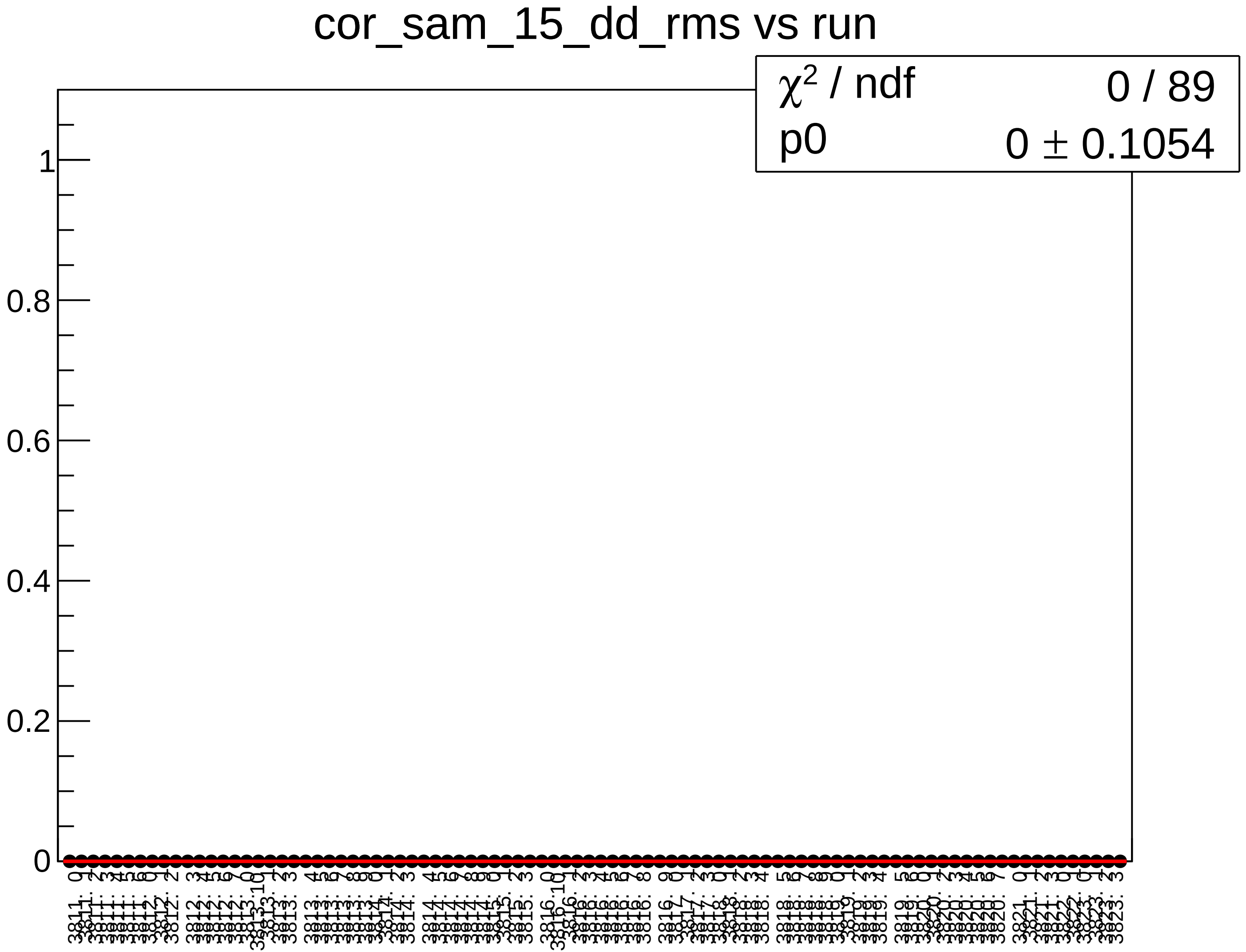


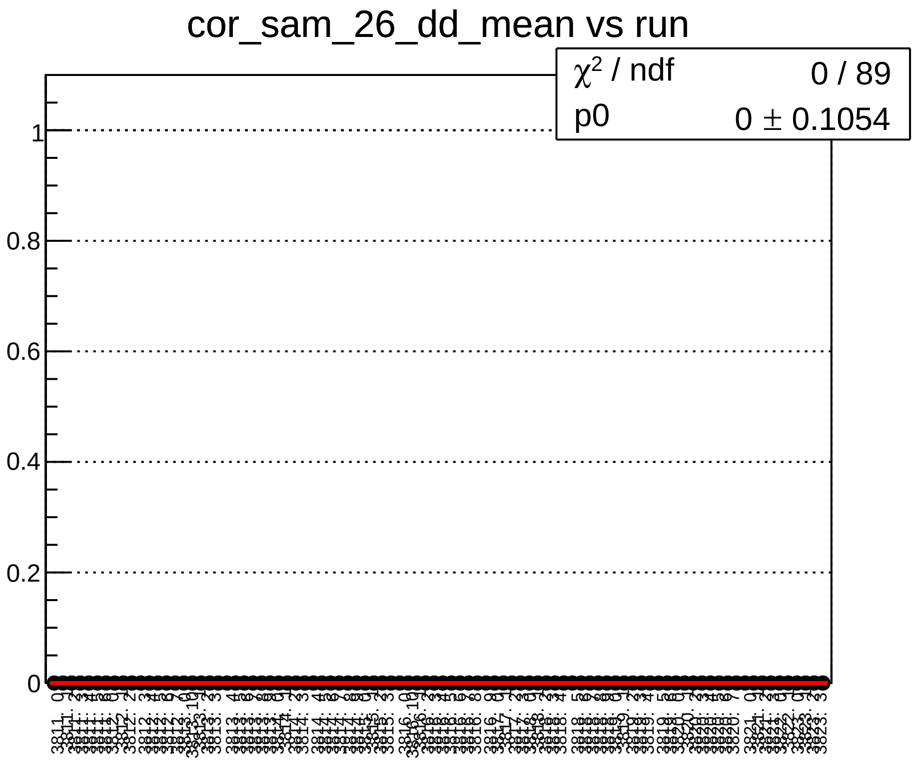
yield_sam_48_dd_rms vs run
χ2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

cor_sam_15_dd_mean vs run

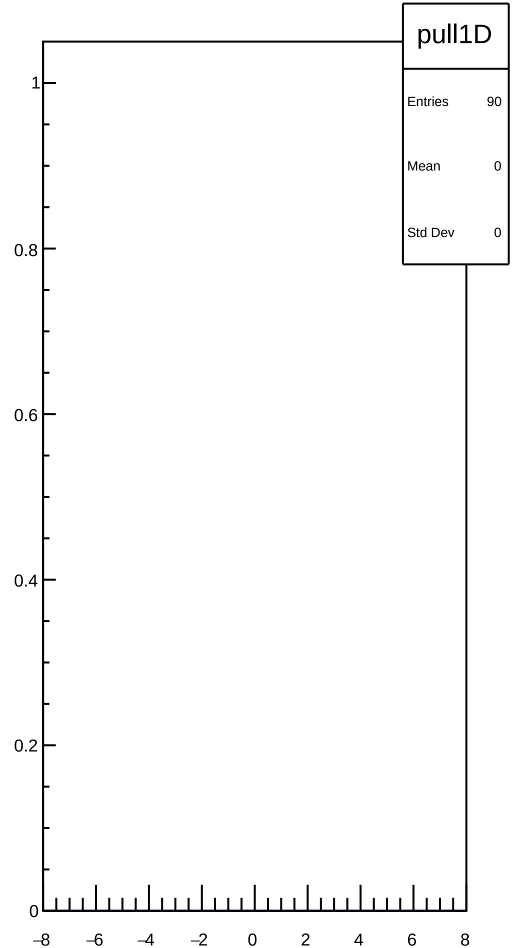




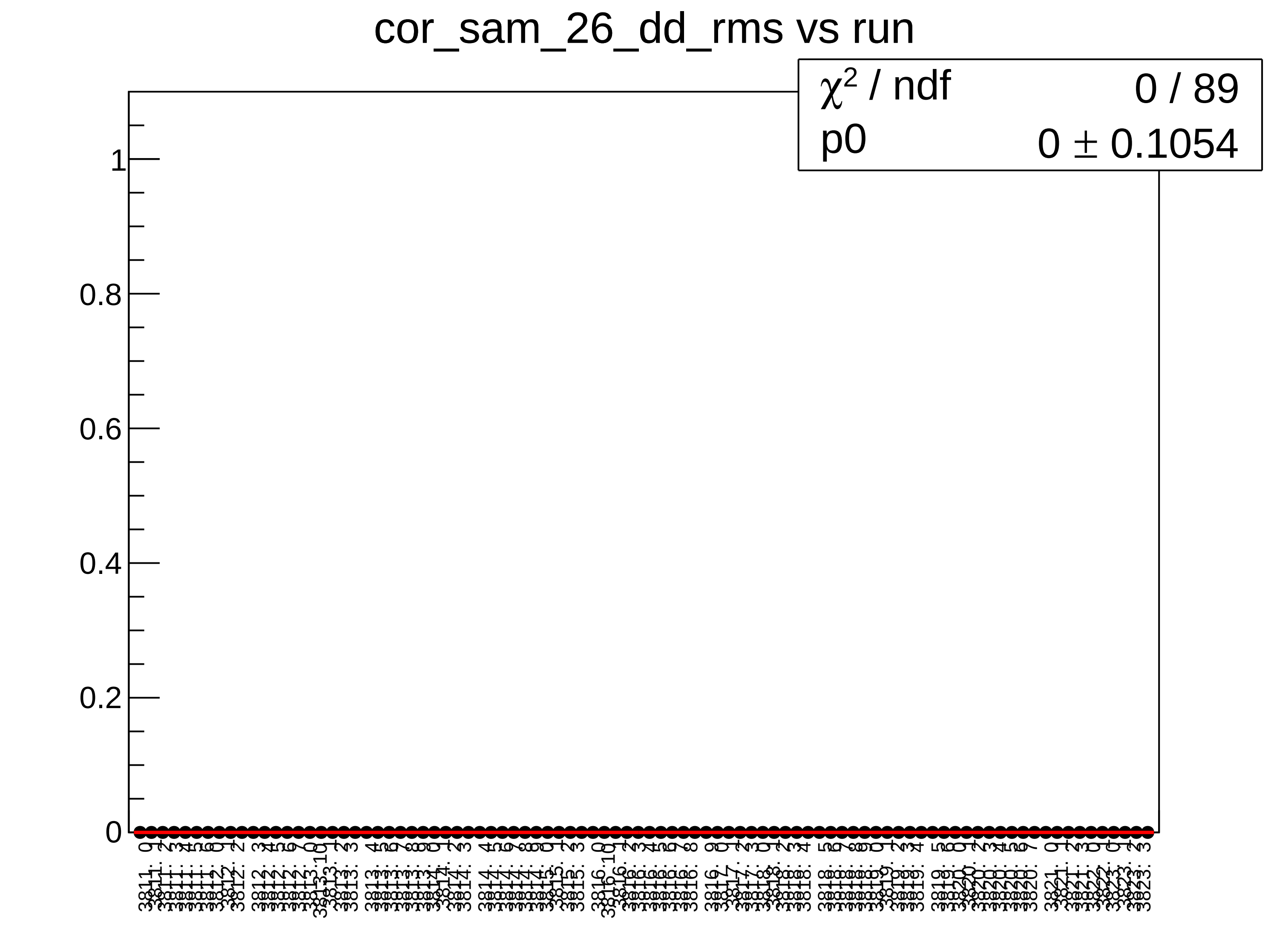

cor_sam_15_dd_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0



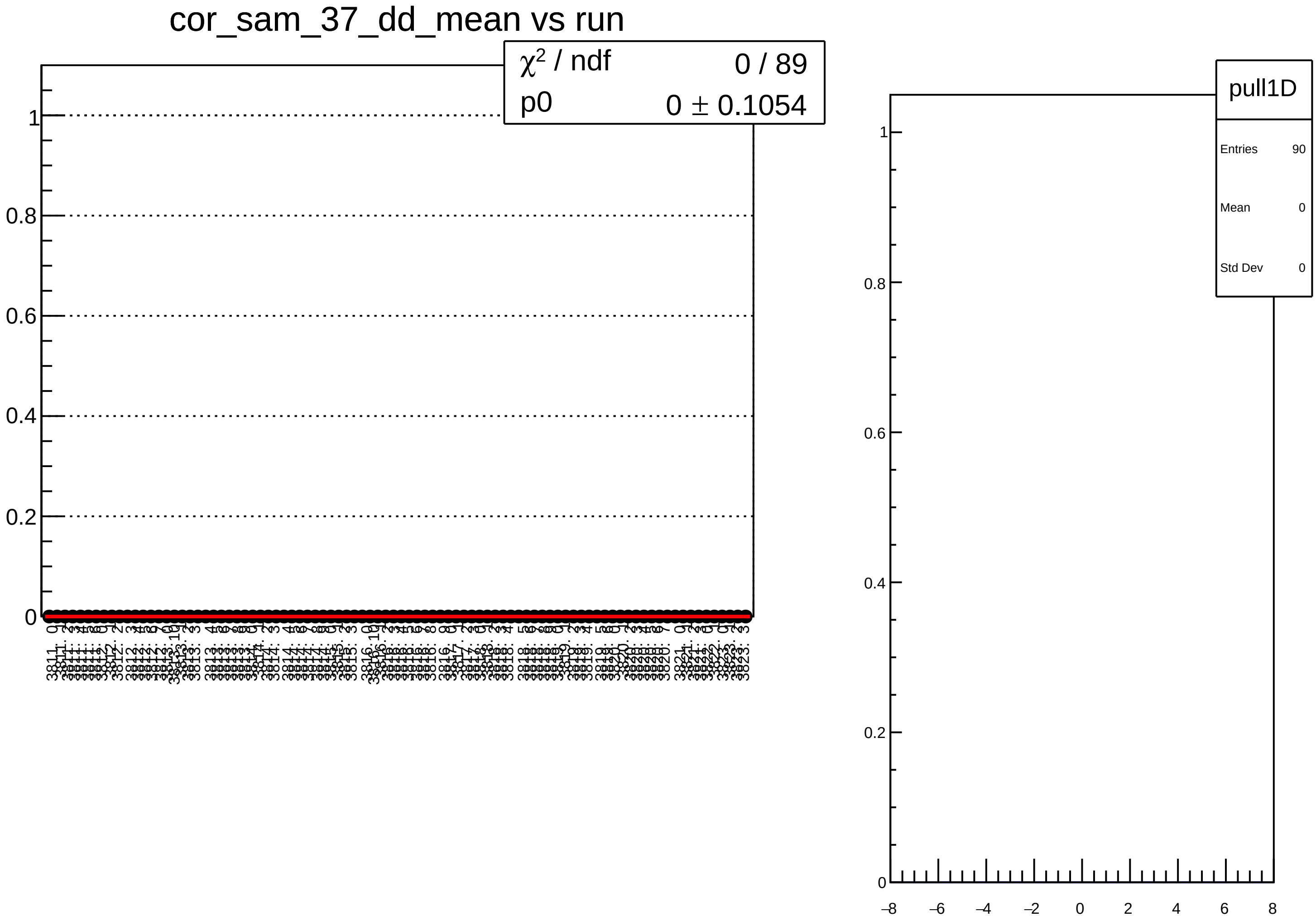
cor_sam_26_dd_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0



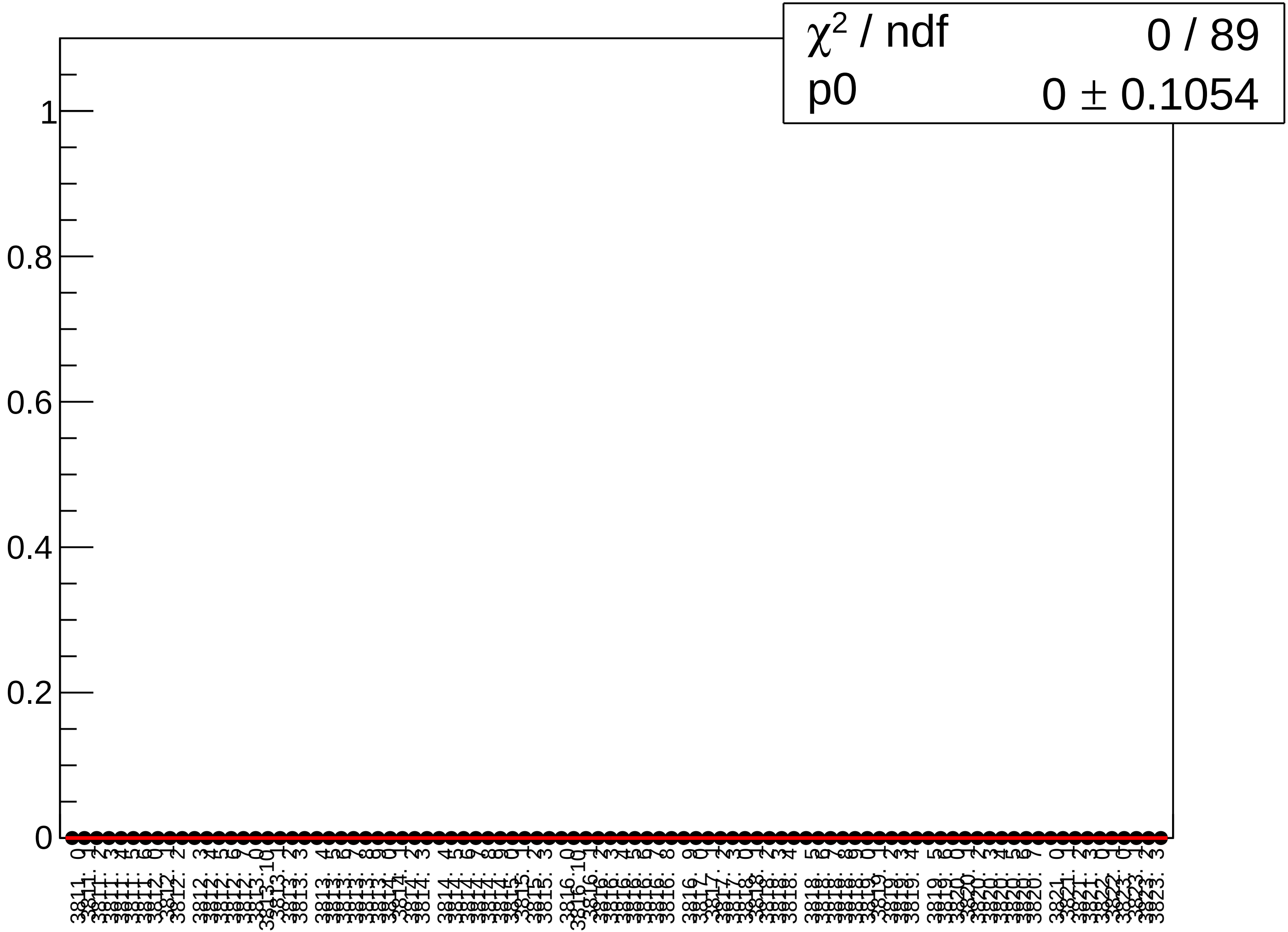
pull1D
Entries 90
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8



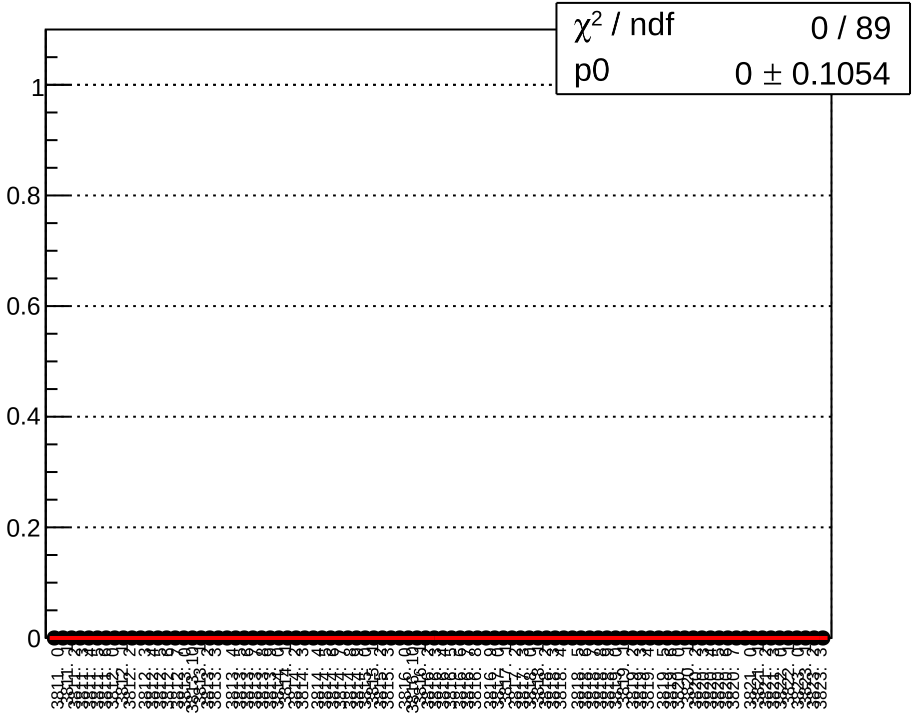
cor_sam_26_dd_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0

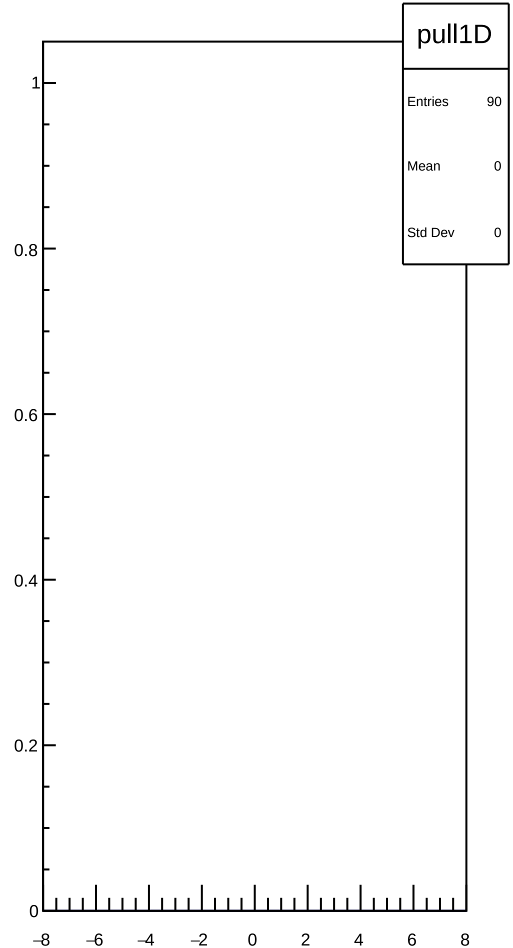

cor_sam_37_dd_mean vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
pull1D
Entries 90
Mean 0
Std Dev 0

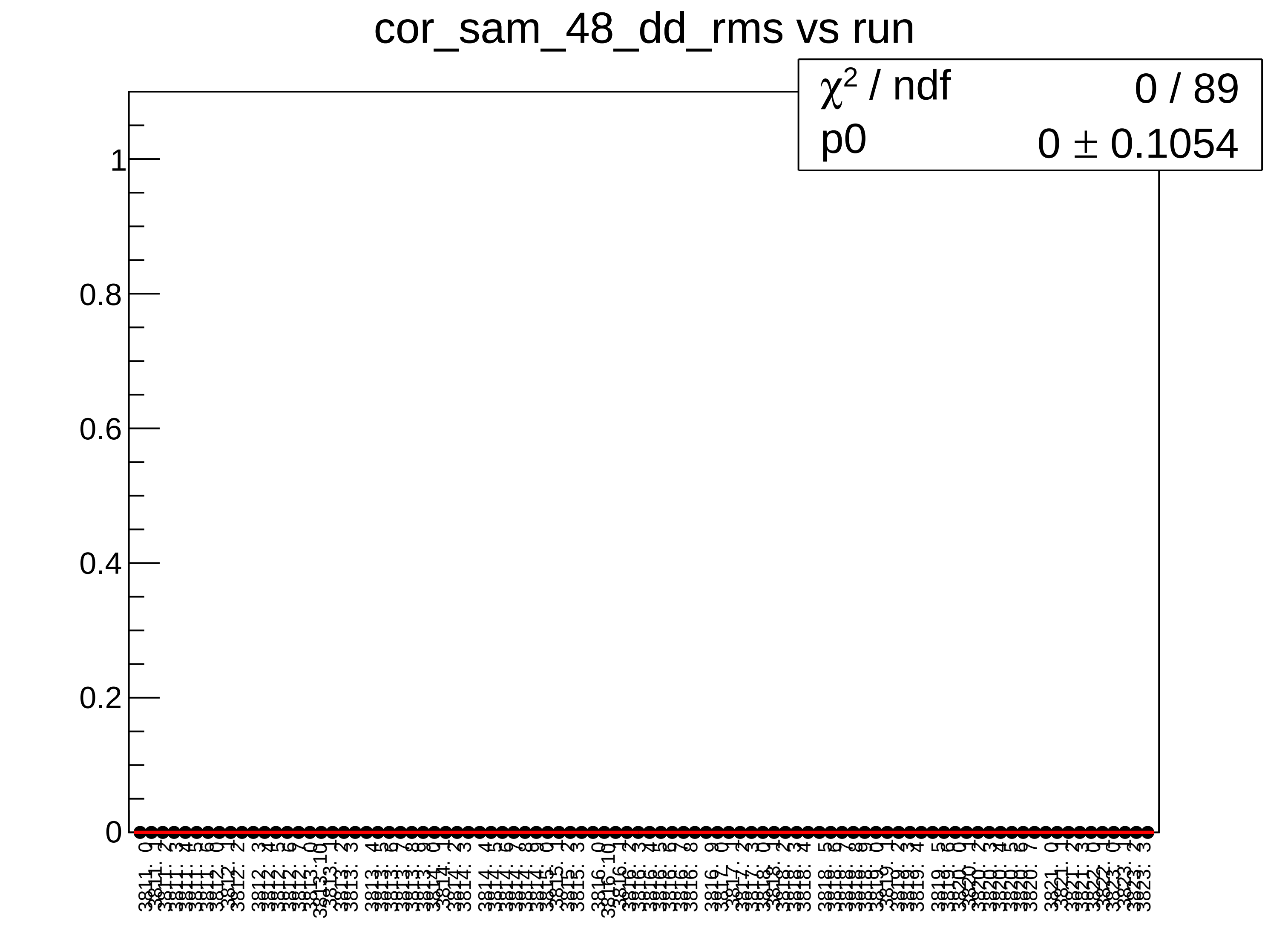
cor_sam_37_dd_rms vs run



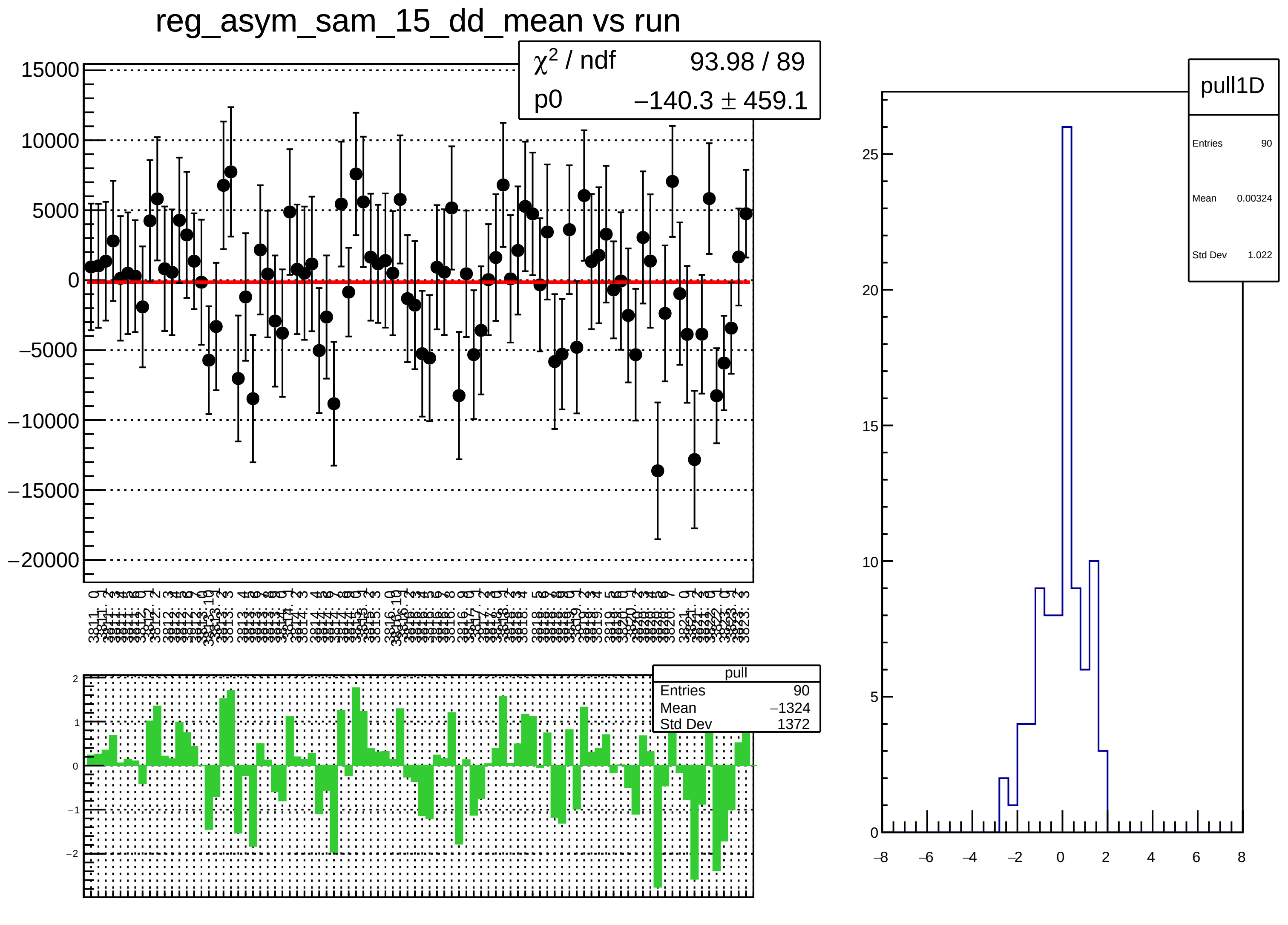
cor_sam_48_dd_mean vs run

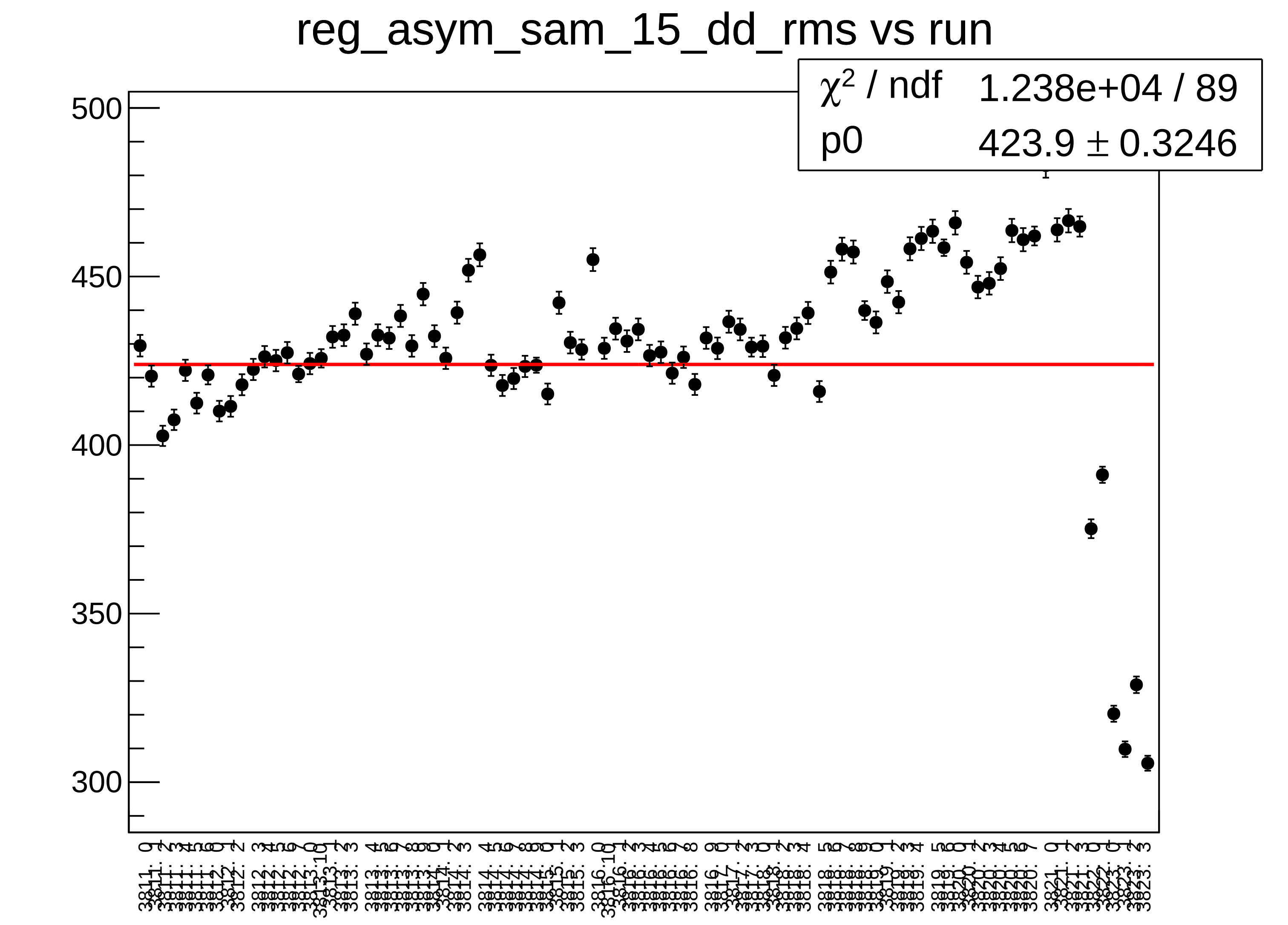


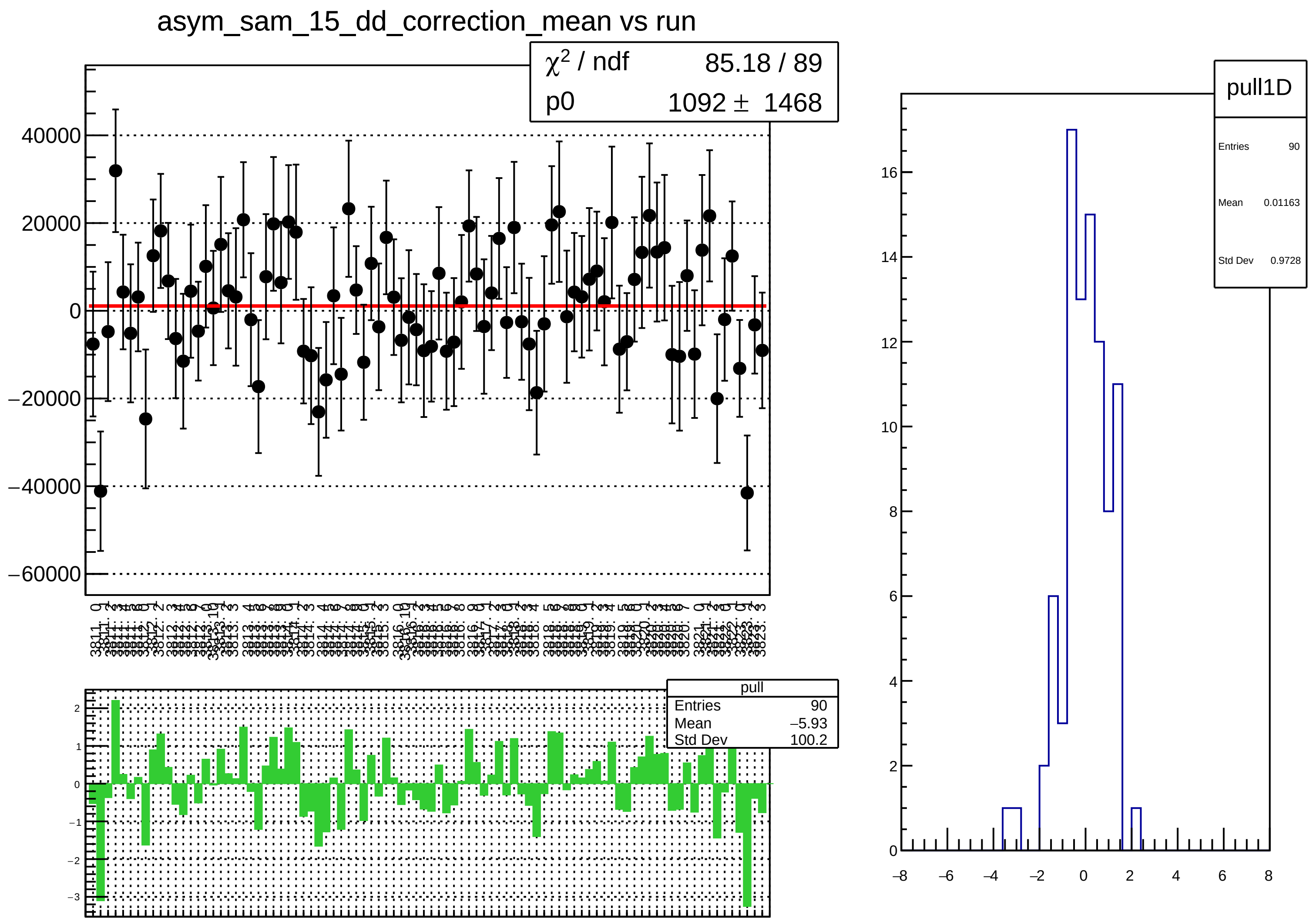




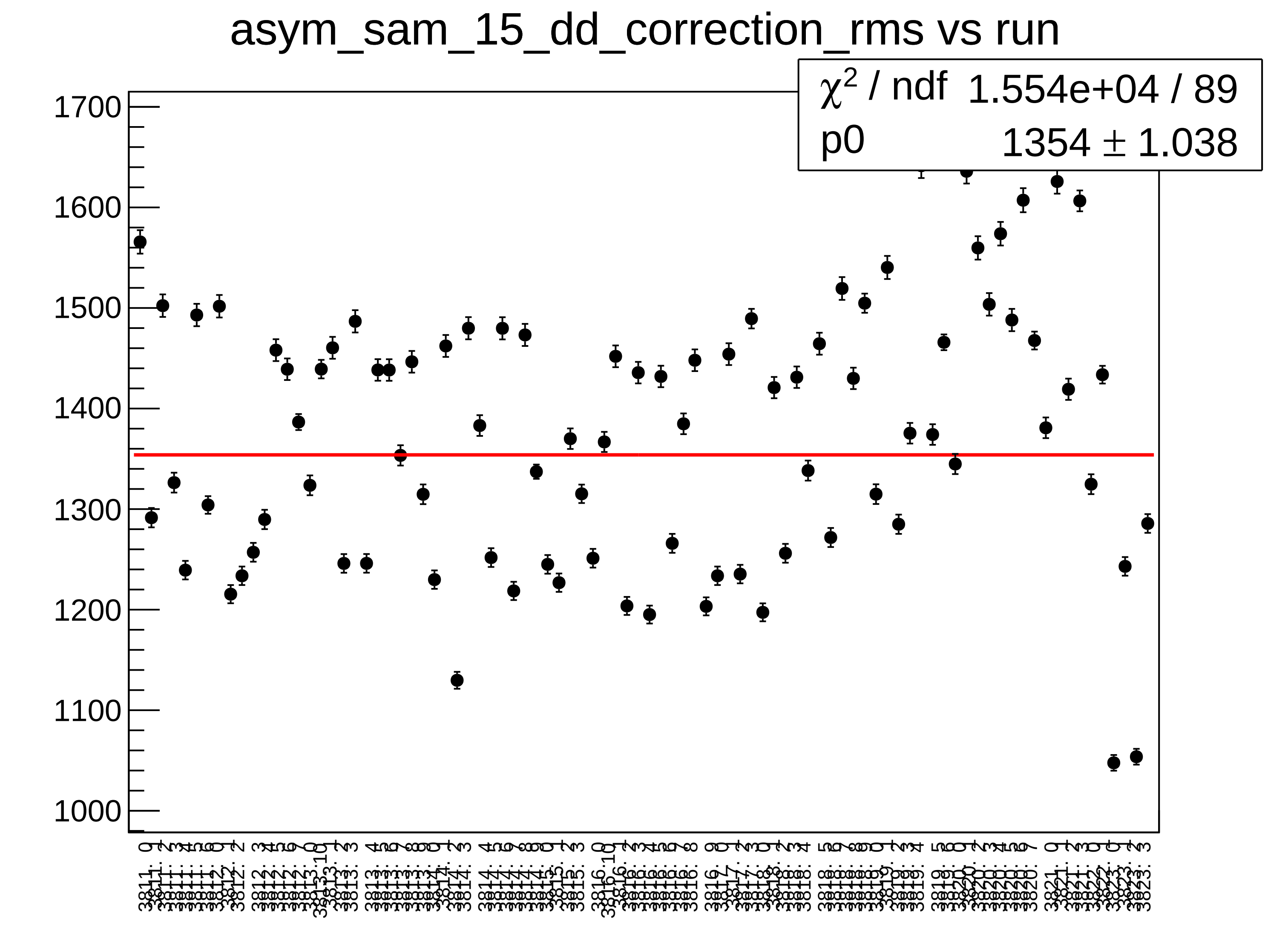
cor_sam_48_dd_rms vs run
χ^2 / ndf 0 / 89
p0 0 ± 0.1054
1
0.8
0.6
0.4
0.2
0


reg_asym_sam_15_dd_mean vs run
χ2 / ndf 93.98 / 89
p0 −140.3 ± 459.1
pull
Entries 90
Mean −1324
Std Dev 1372
pull1D
Entries 90
Mean 0.00324
Std Dev 1.022

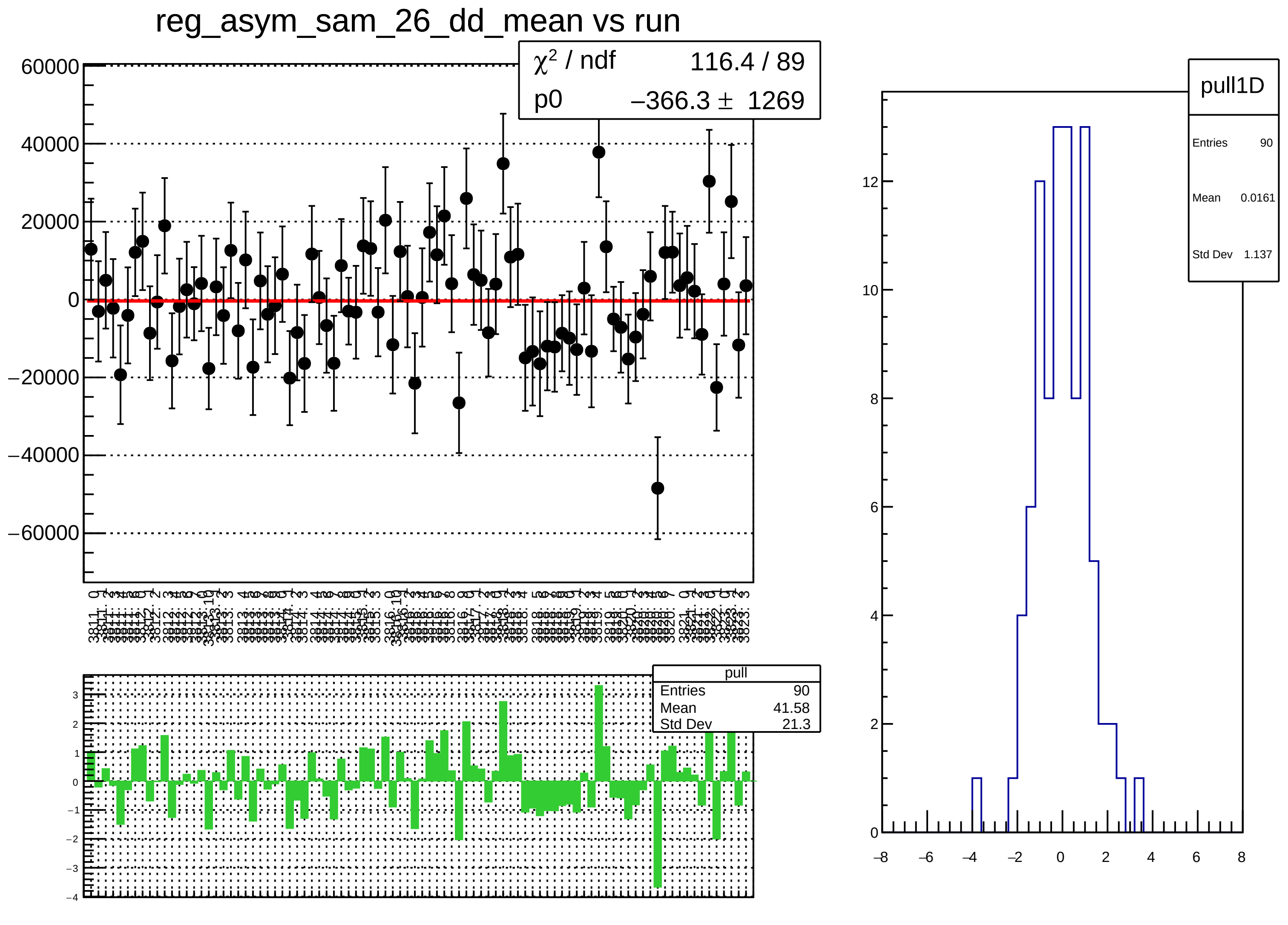

reg_asym_sam_15_dd_rms vs run
χ2 / ndf 1.238e+04 / 89
p0 423.9 ± 0.3246
500
450
400
350
300



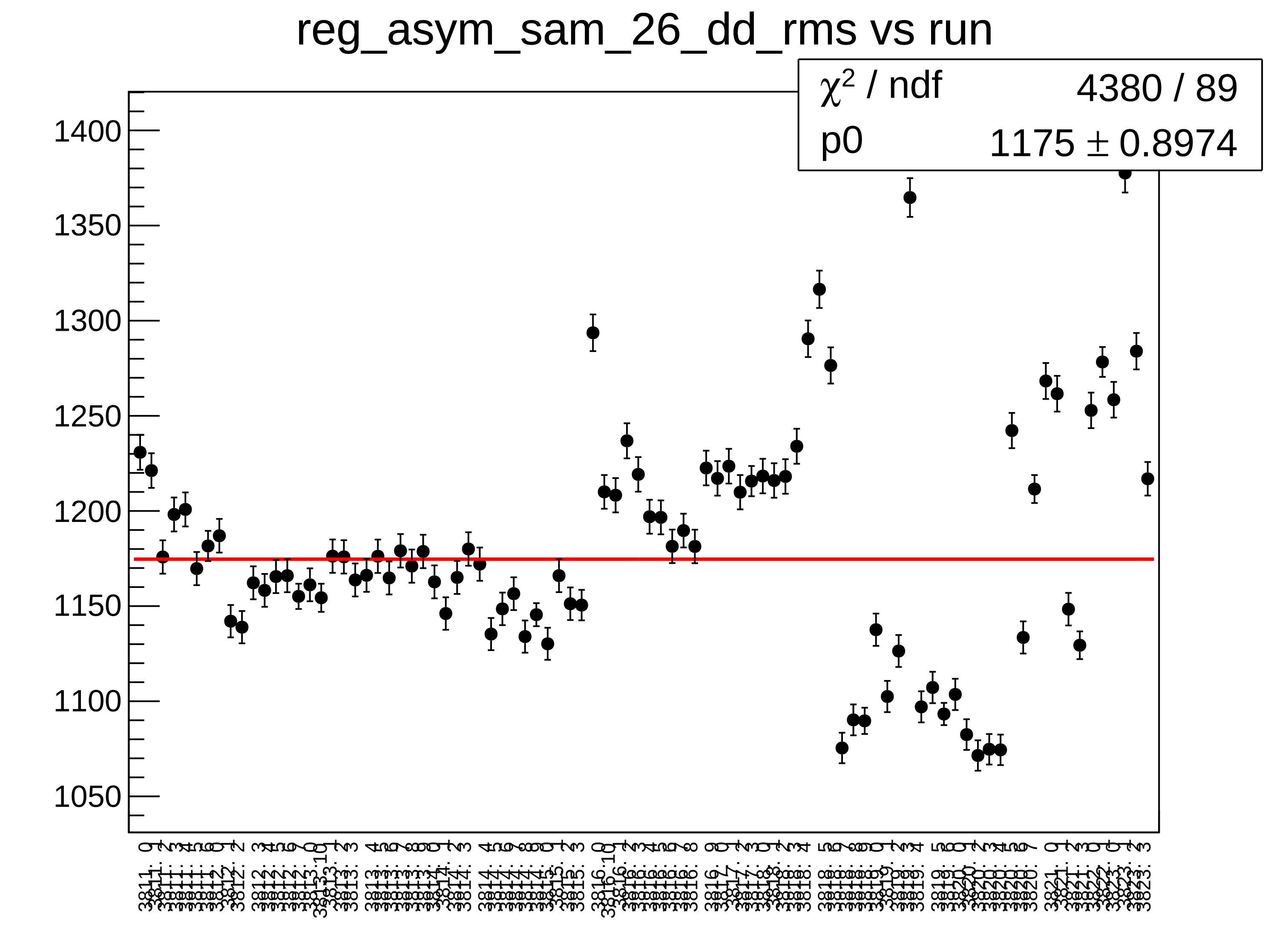
asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 85.18 / 89
p0 1092 ± 1468
40000
20000
0
−20000
−40000
−60000
pull
Entries 90
Mean −5.93
Std Dev 100.2
pull1D
Entries 90
Mean 0.01163
Std Dev 0.9728



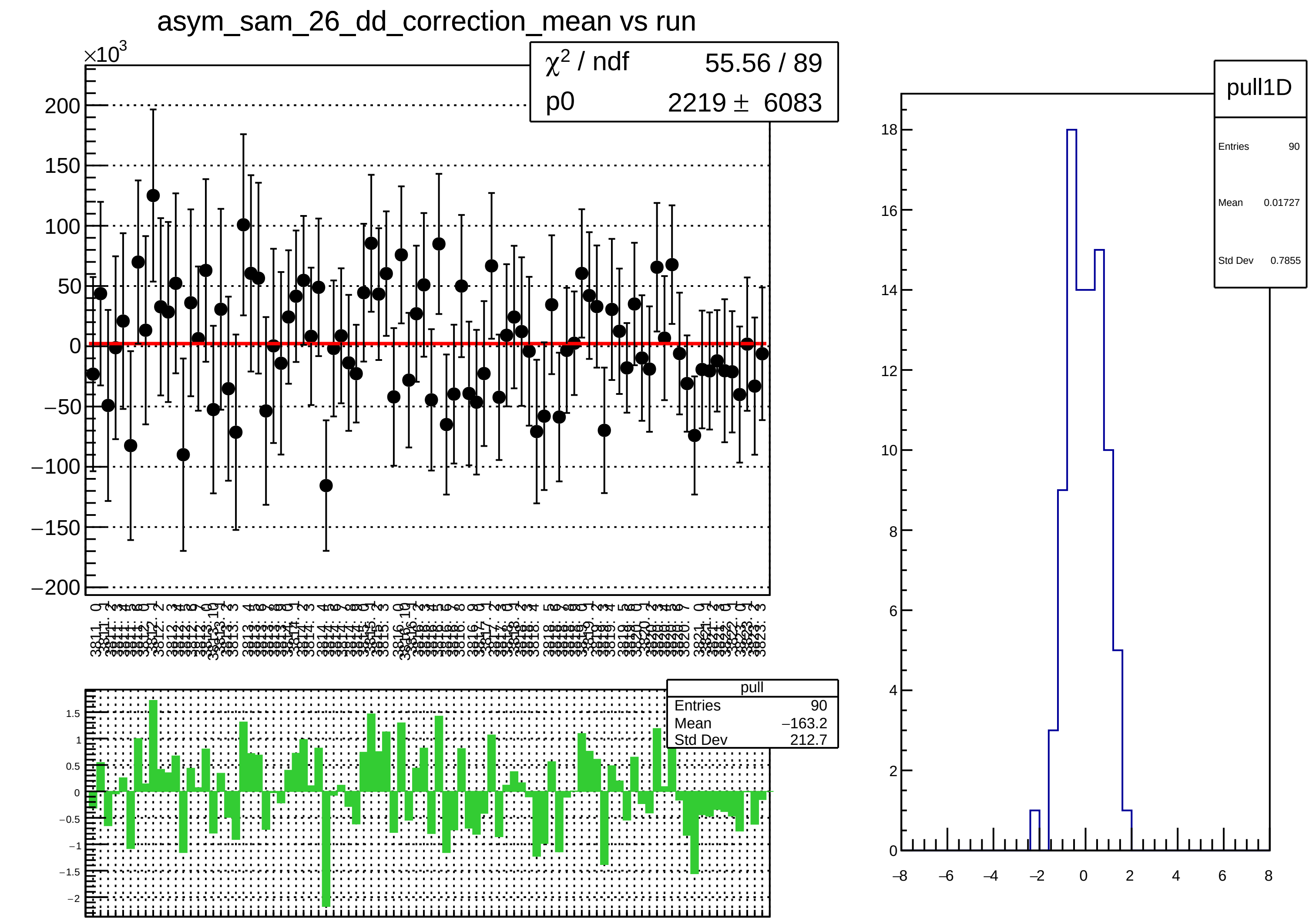
asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 1.554e+04 / 89
p0 1354 ± 1.038
1700
1600
1500
1400
1300
1200
1100
1000



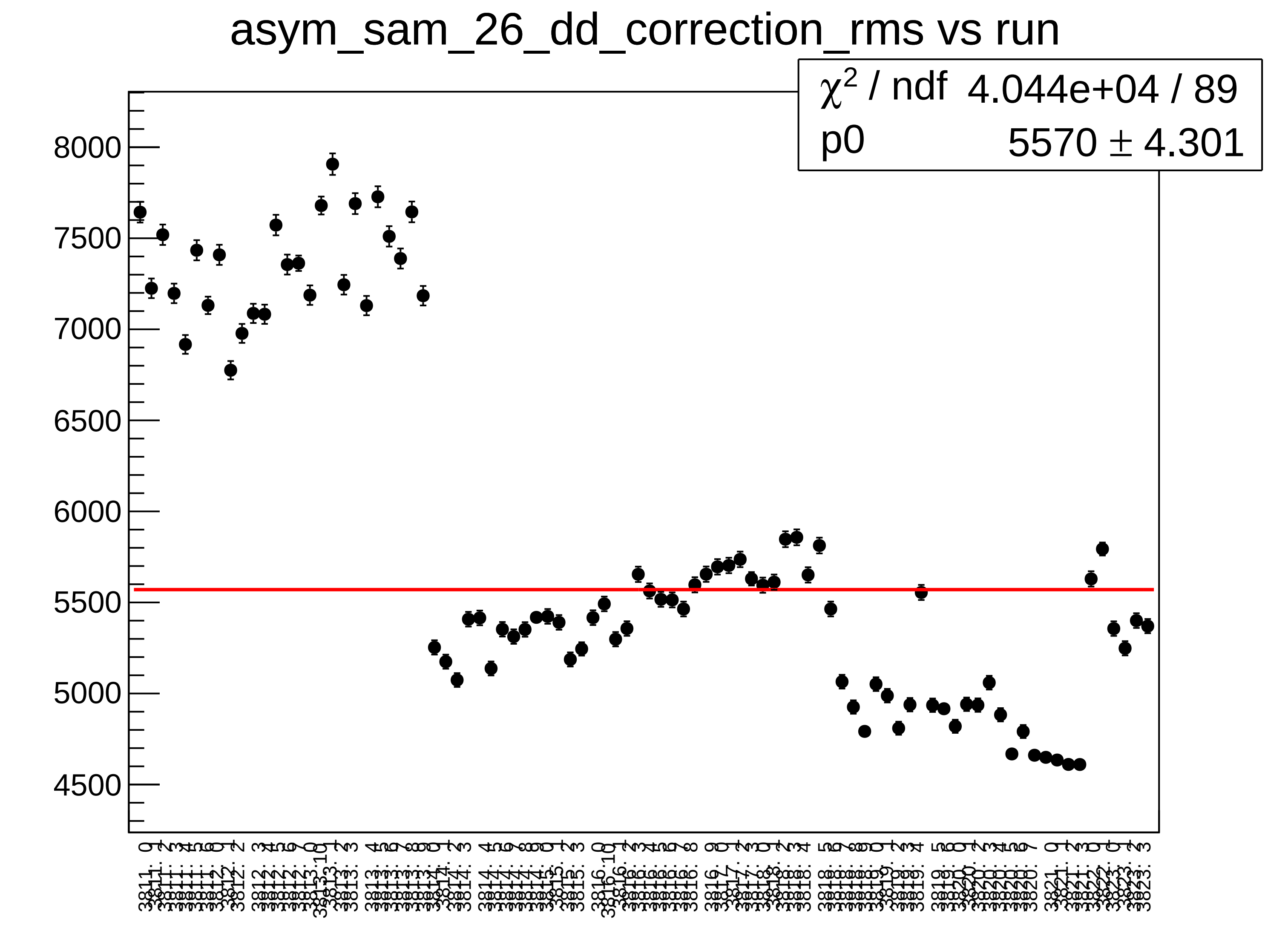
reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 116.4 / 89
p0 −366.3 ± 1269
pull
Entries 90
Mean 41.58
Std Dev 21.3
pull1D
Entries 90
Mean 0.0161
Std Dev 1.137



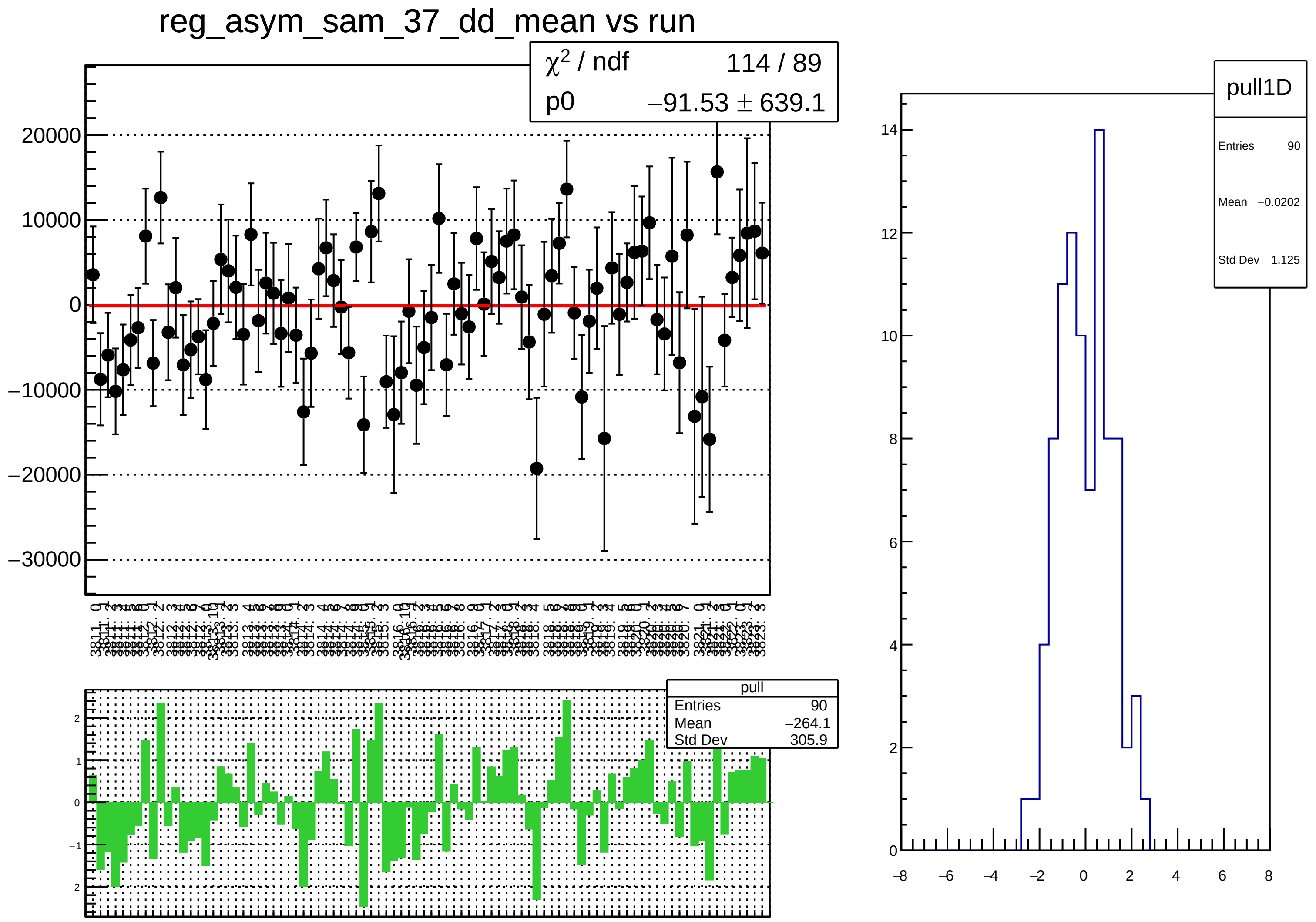
reg_asym_sam_26_dd_rms vs run
χ2 / ndf 4380 / 89
p0 1175 ± 0.8974
1400
1350
1300
1250
1200
1150
1100
1050



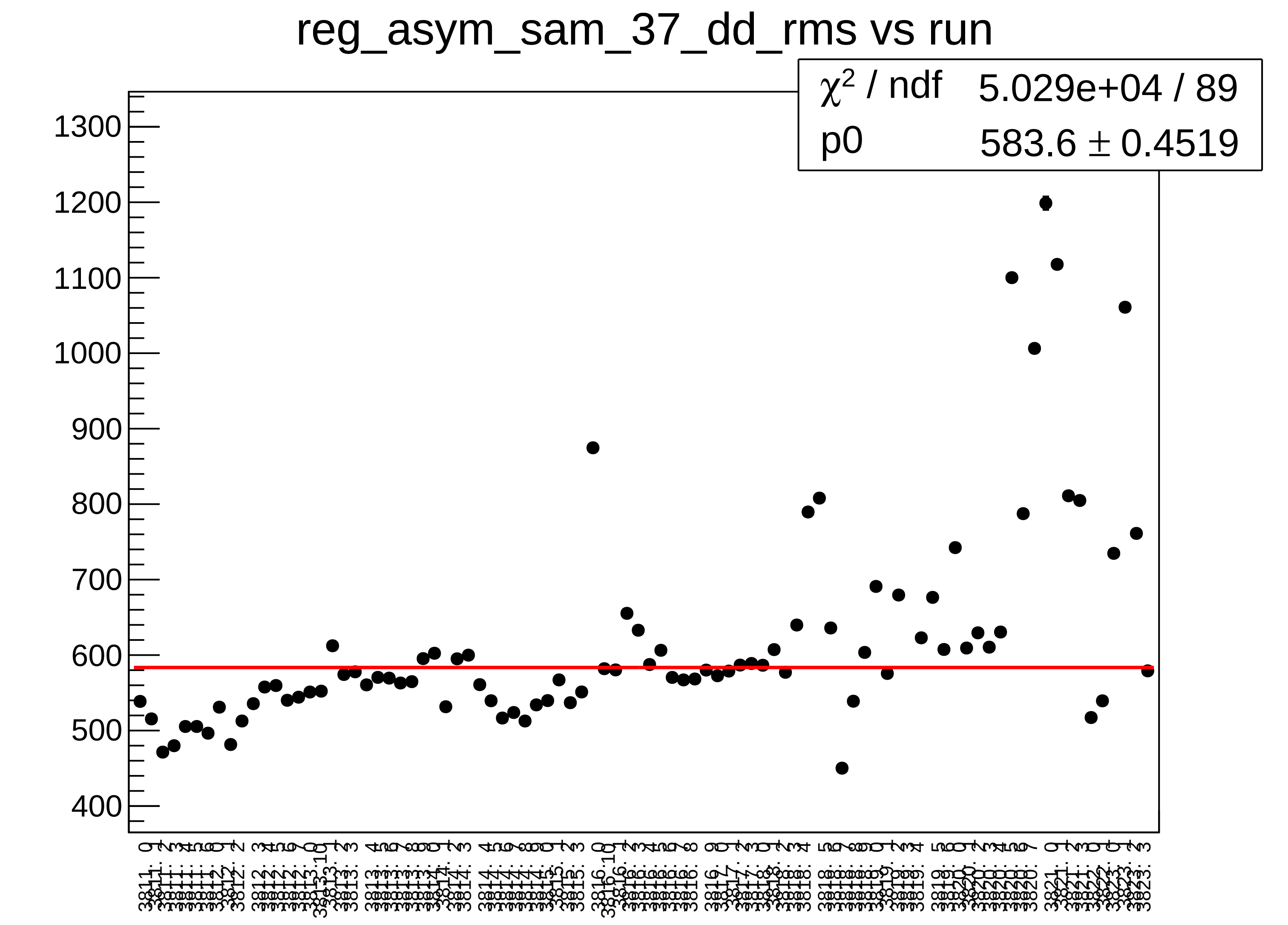
asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 55.56 / 89
p0 2219 ± 6083
pull
Entries 90
Mean −163.2
Std Dev 212.7
pull1D
Entries 90
Mean 0.01727
Std Dev 0.7855



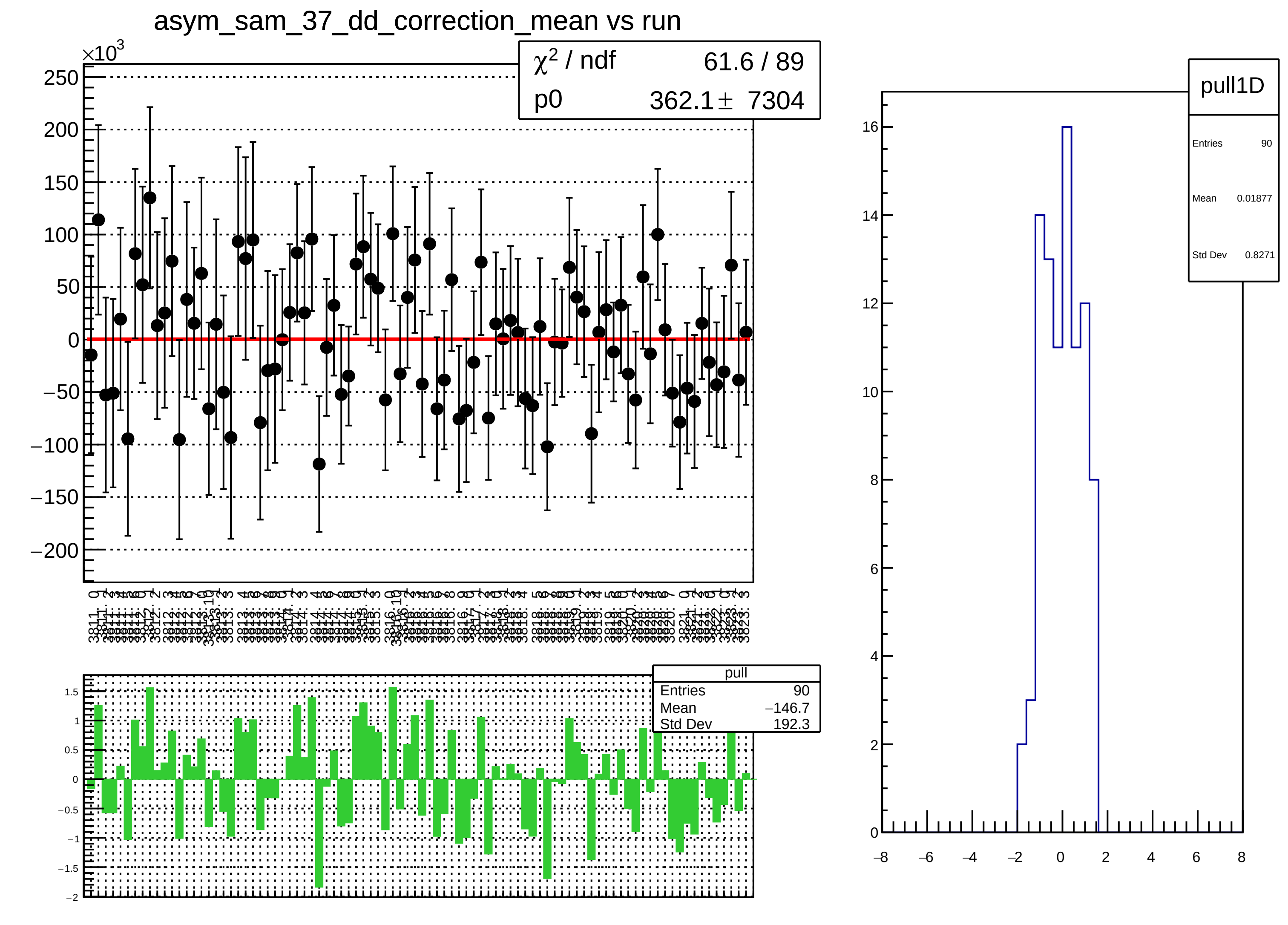
asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 4.044e+04 / 89
p0 5570 ± 4.301
8000
7500
7000
6500
6000
5500
5000
4500

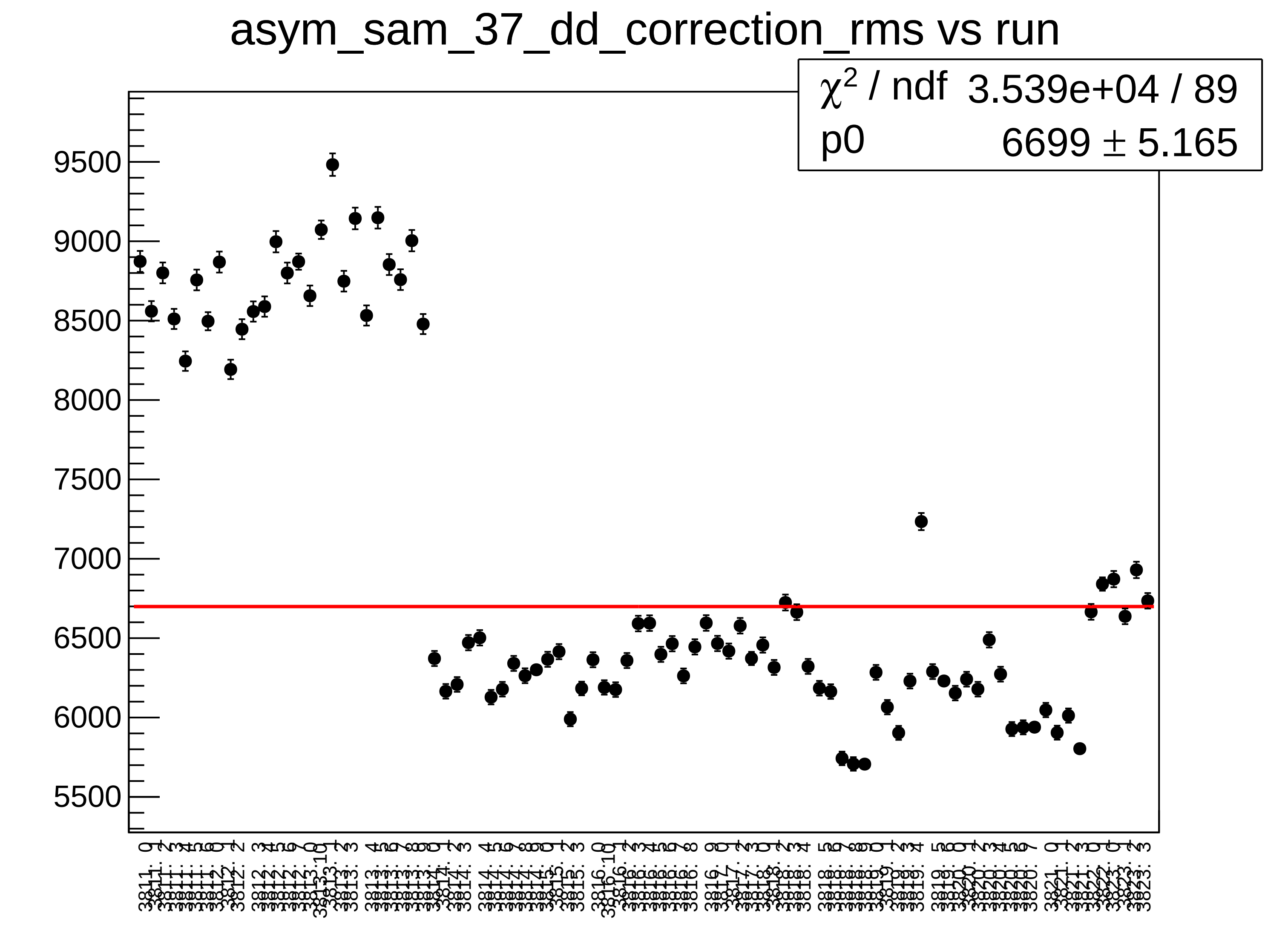


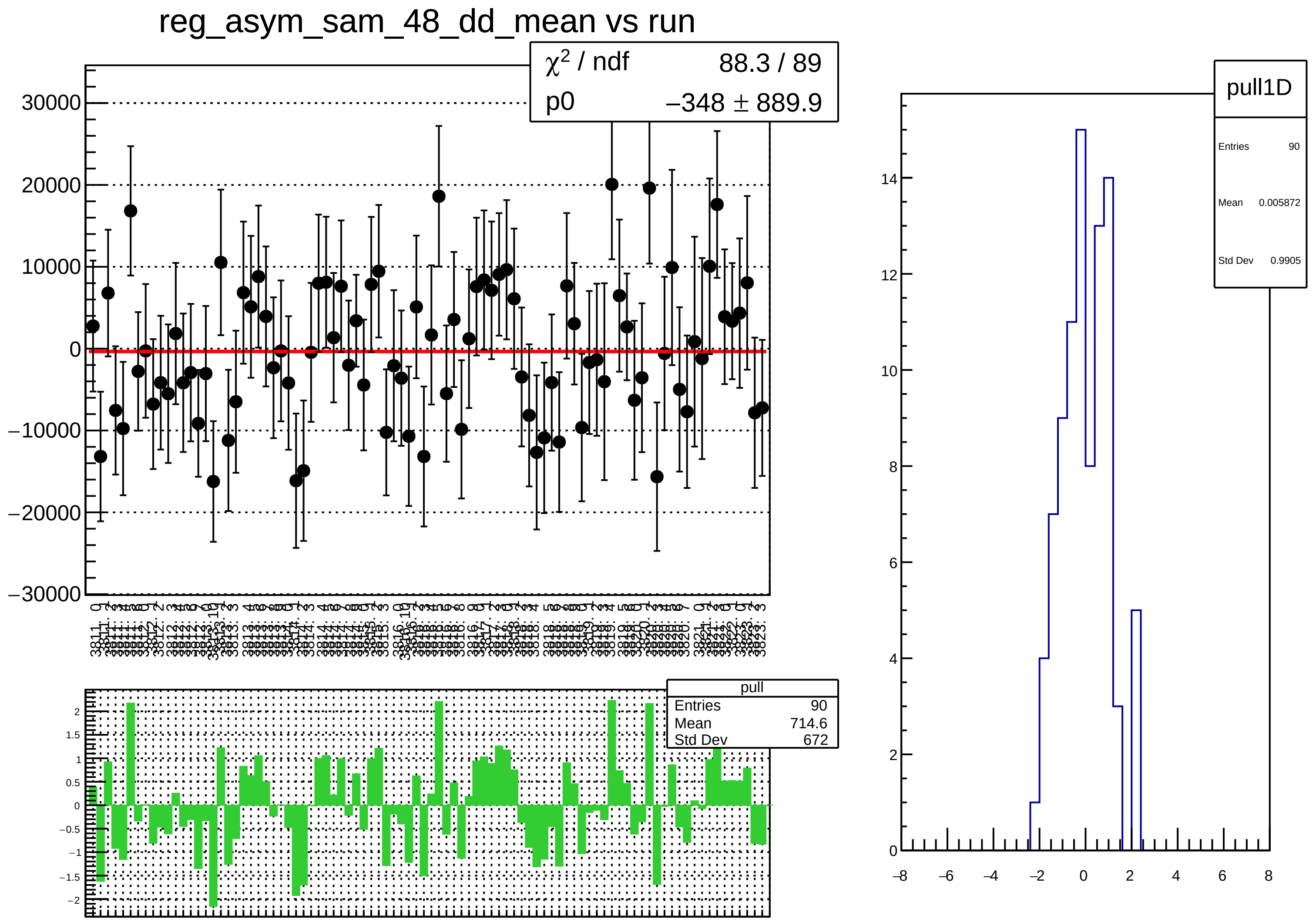
reg_asym_sam_37_dd_mean vs run
χ^2 / ndf 114 / 89
p0 −91.53 ± 639.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 90
Mean −264.1
Std Dev 305.9
pull1D
Entries 90
Mean −0.0202
Std Dev 1.125

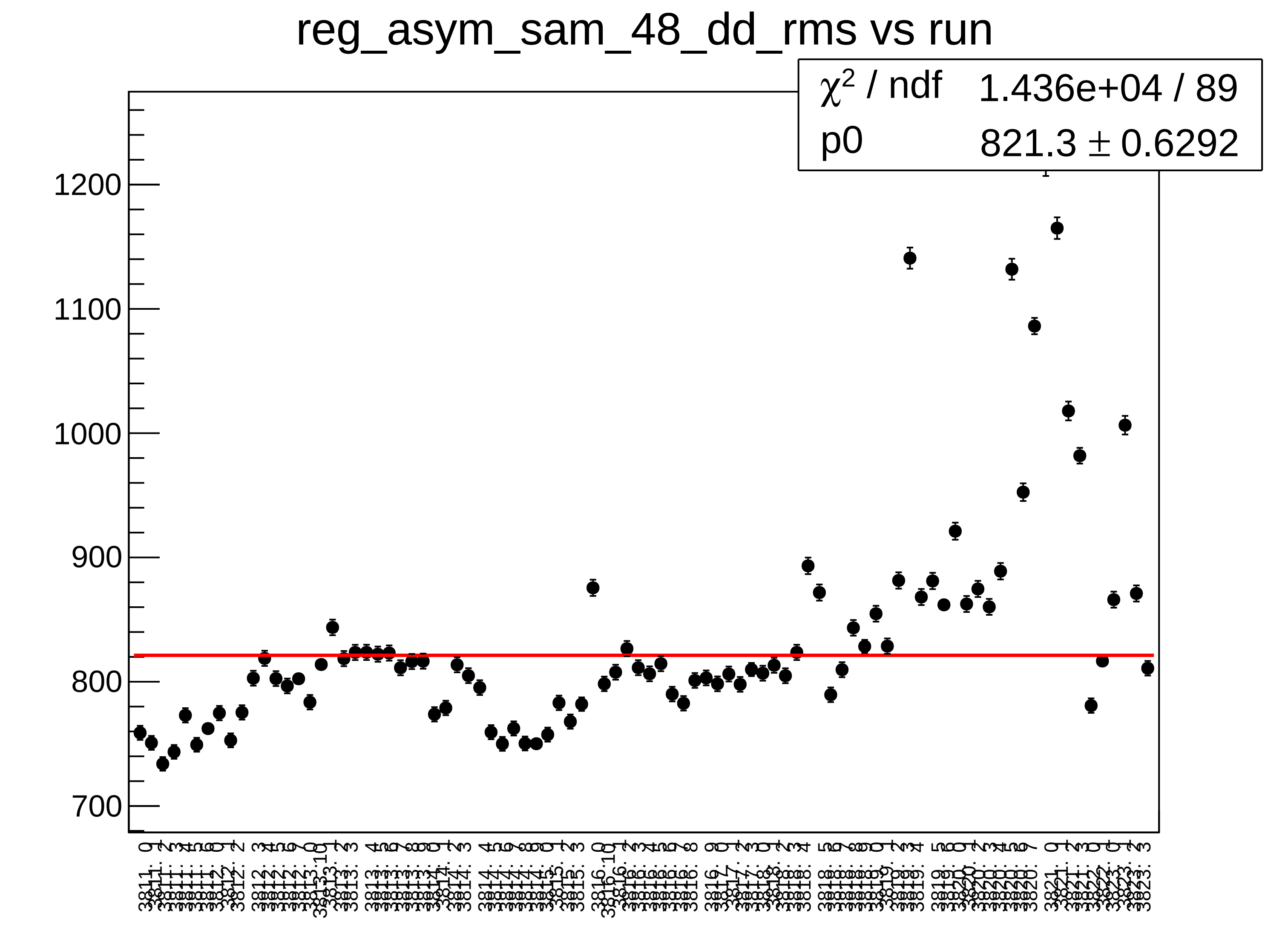


reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 5.029e+04 / 89
p0 583.6 ± 0.4519
1300
1200
1100
1000
900
800
700
600
500
400

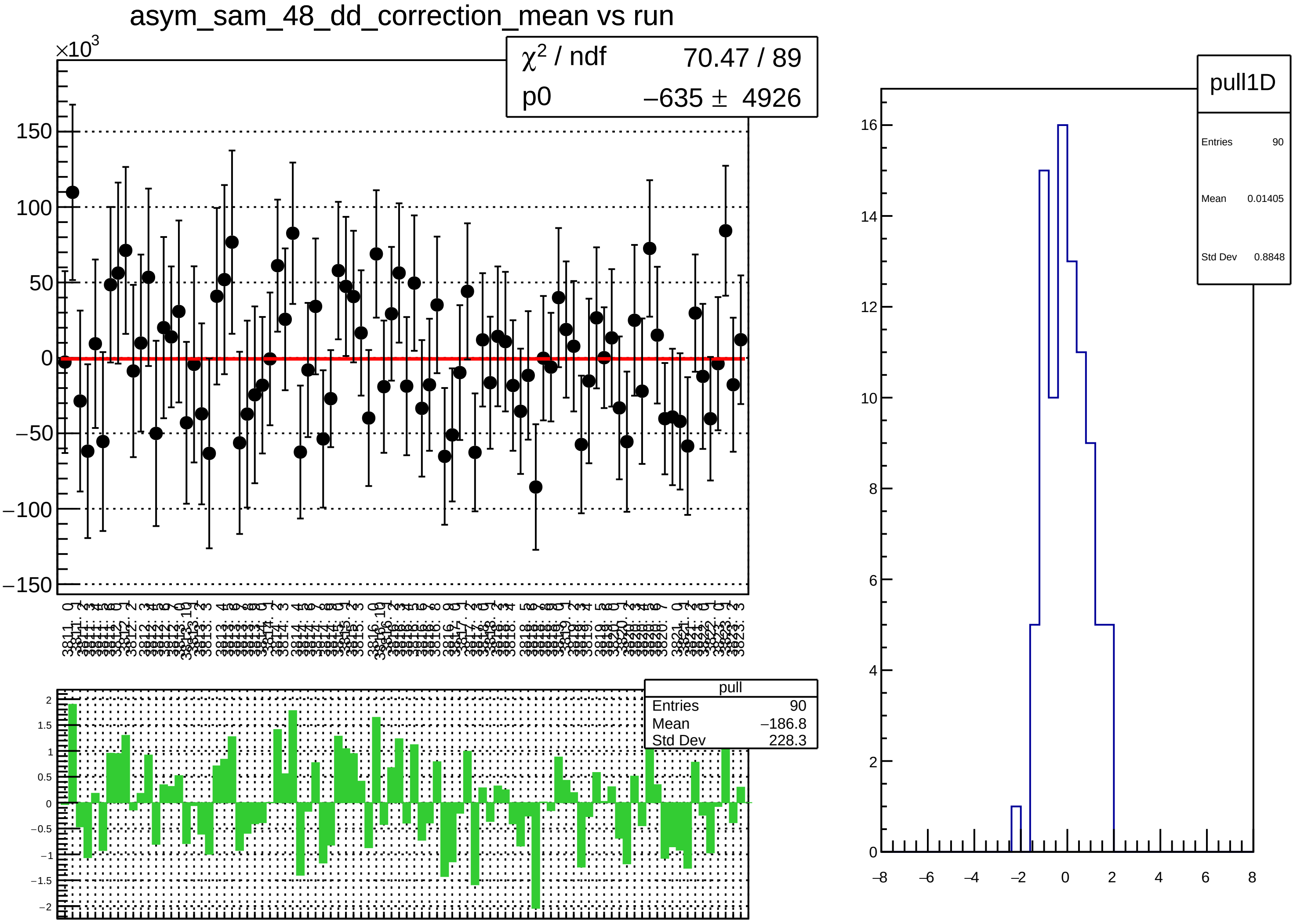

asym_sam_37_dd_correction_mean vs run
$\times10^3$
χ^2 / ndf 61.6 / 89
p0 362.1 ± 7304
pull
Entries 90
Mean −146.7
Std Dev 192.3
pull1D
Entries 90
Mean 0.01877
Std Dev 0.8271


asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 3.539e+04 / 89
p0 6699 ± 5.165

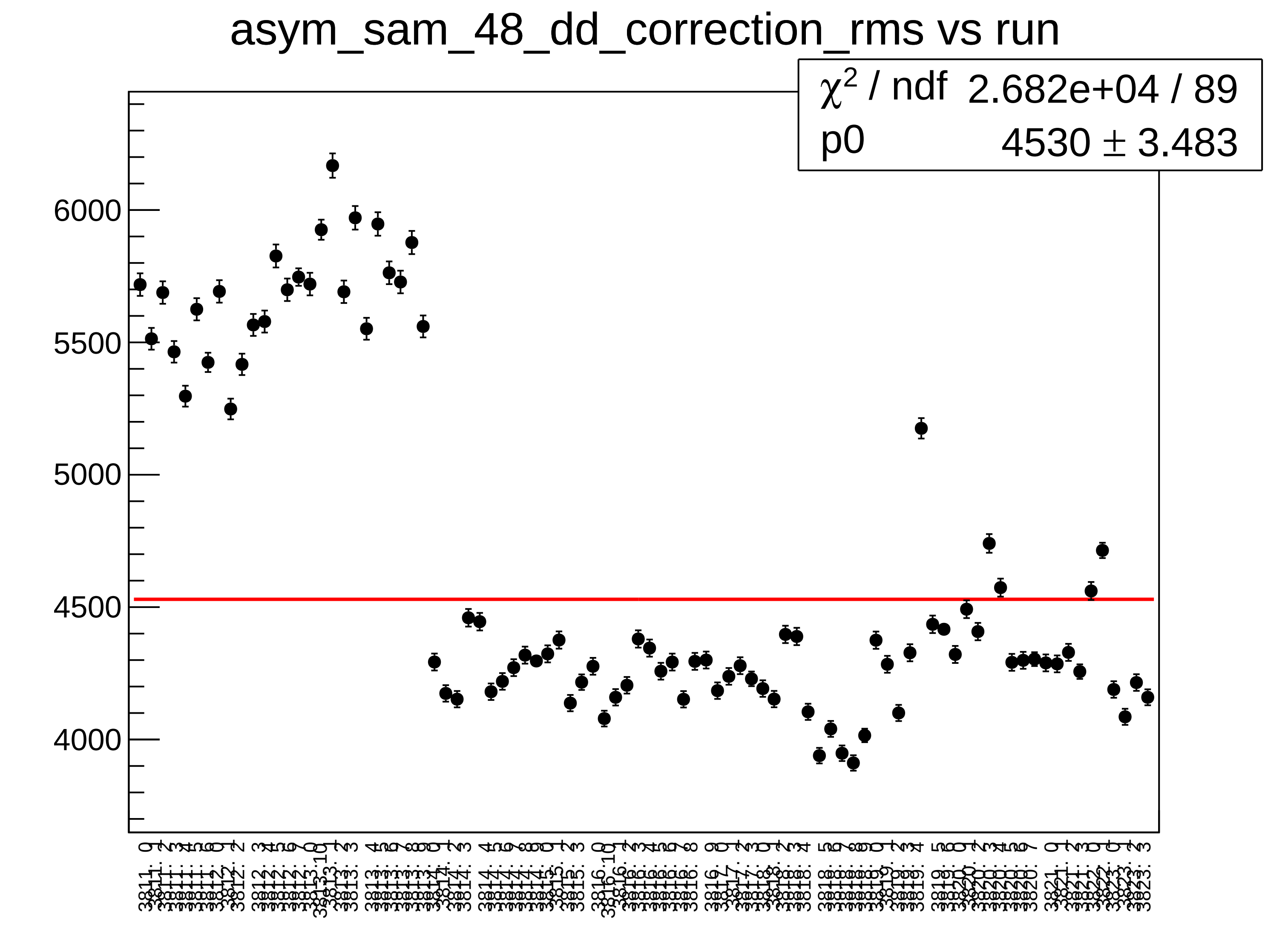

reg_asym_sam_48_dd_mean vs run
χ^2 / ndf 88.3 / 89
p0 −348 ± 889.9
pull
Entries 90
Mean 714.6
Std Dev 672
pull1D
Entries 90
Mean 0.005872
Std Dev 0.9905



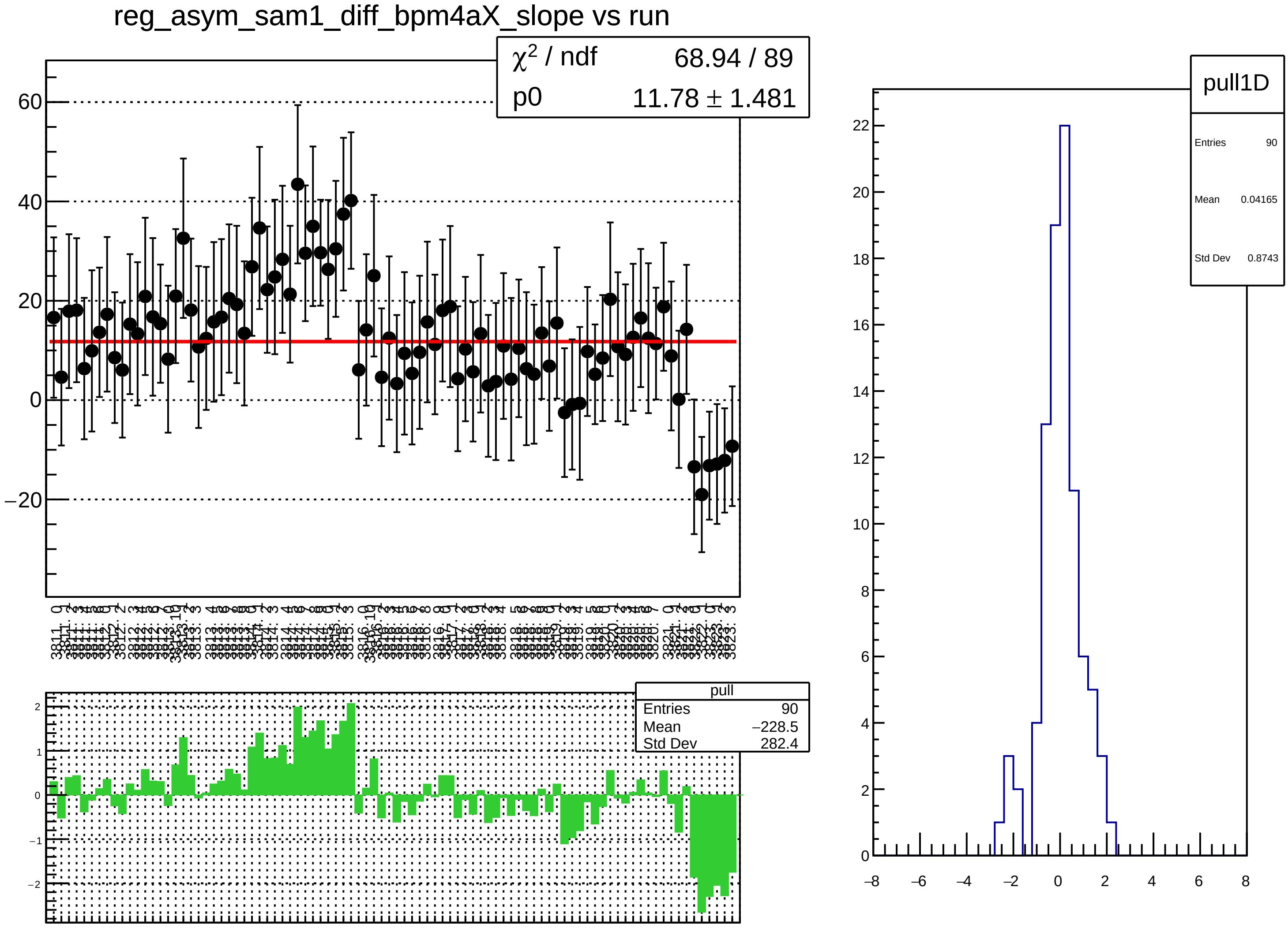
reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 1.436e+04 / 89
p0 821.3 ± 0.6292

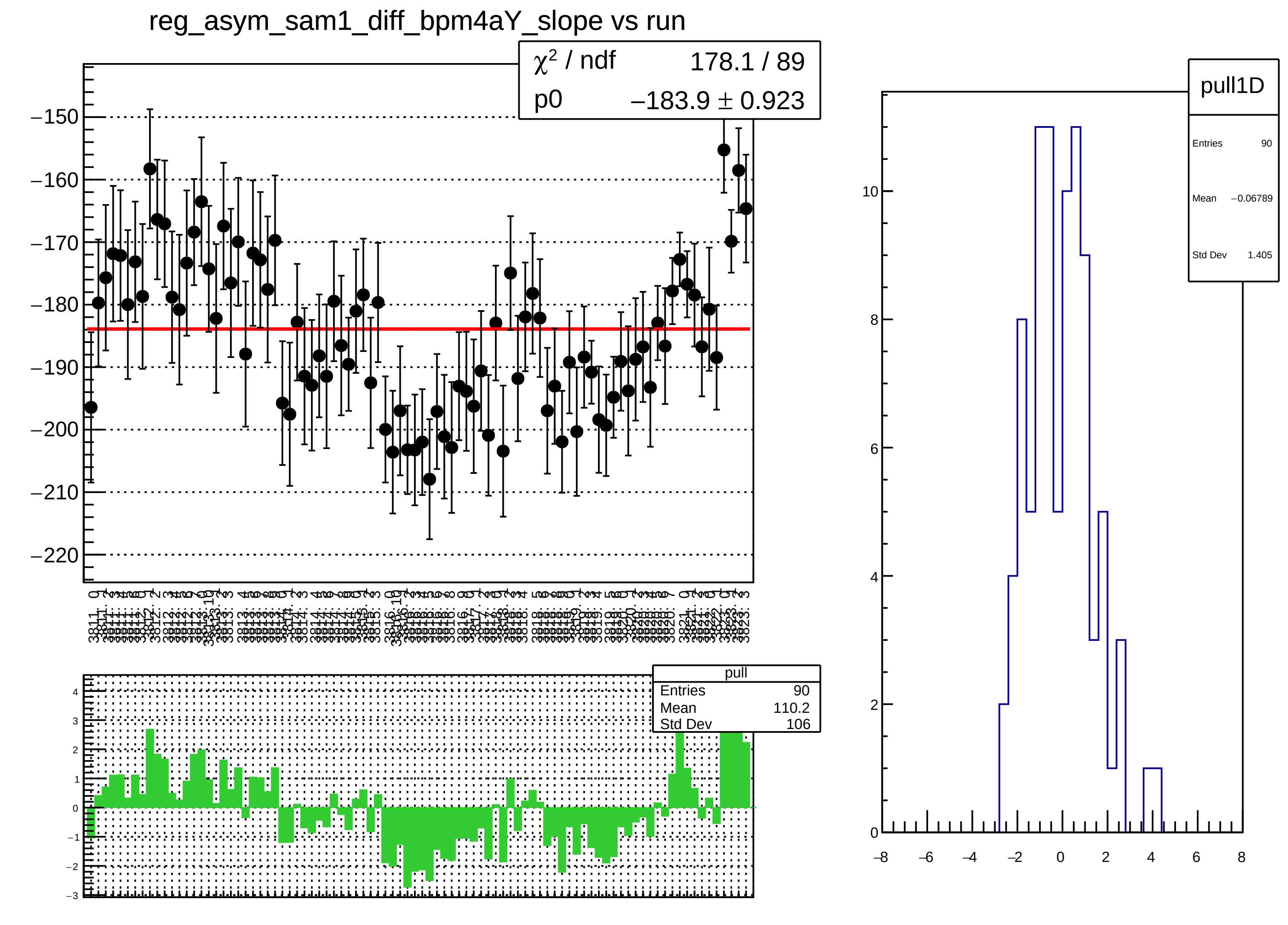


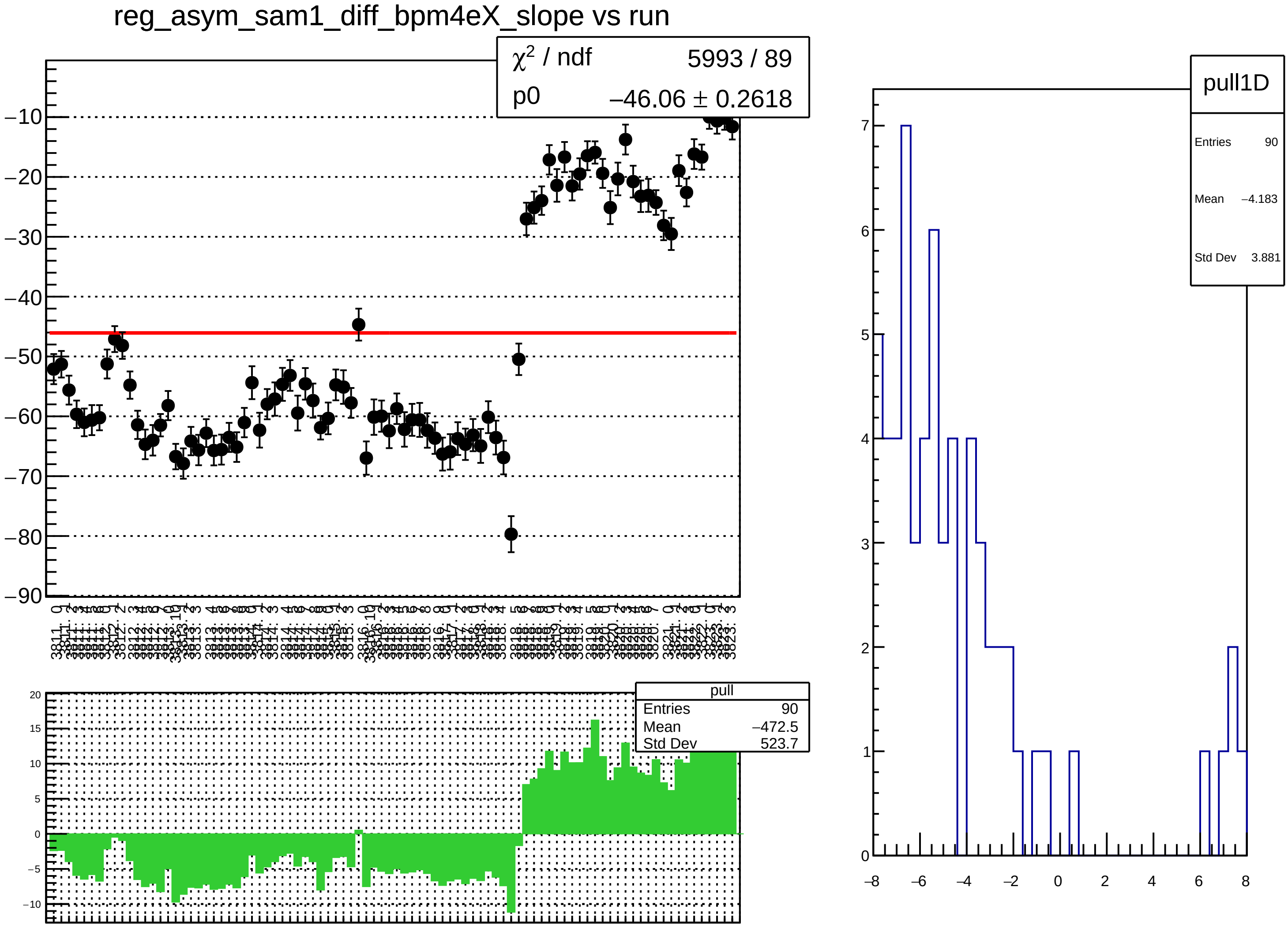
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 70.47 / 89
p0 −635 ± 4926
pull
Entries 90
Mean −186.8
Std Dev 228.3
pull1D
Entries 90
Mean 0.01405
Std Dev 0.8848



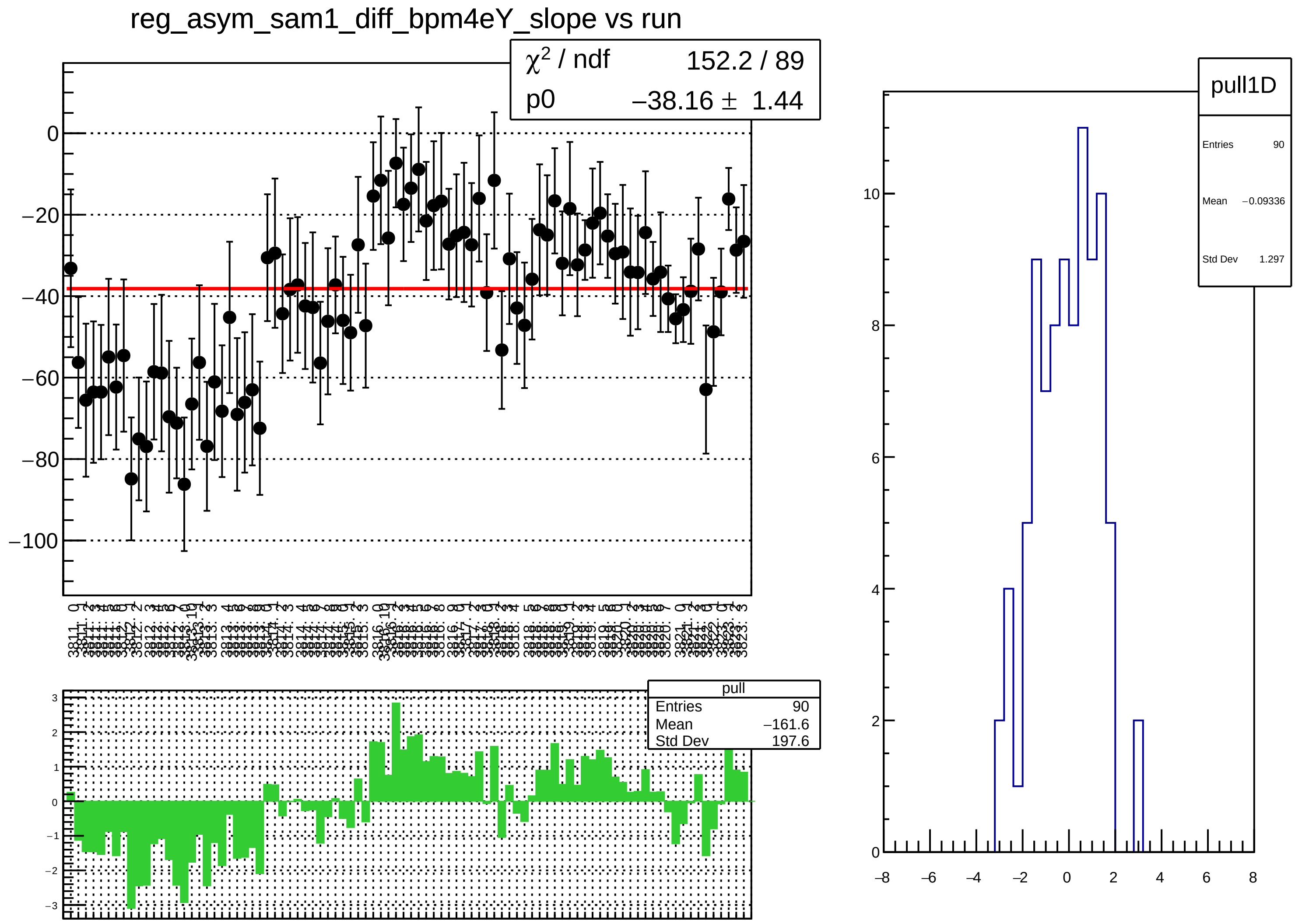
asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 2.682e+04 / 89
p0 4530 ± 3.483
6000
5500
5000
4500
4000


reg_asym_sam1_diff_bpm4aX_slope vs run
χ2 / ndf 68.94 / 89
p0 11.78 ± 1.481
60
40
20
0
−20
pull
Entries 90
Mean −228.5
Std Dev 282.4
2
1
0
−1
−2
pull1D
Entries 90
Mean 0.04165
Std Dev 0.8743
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

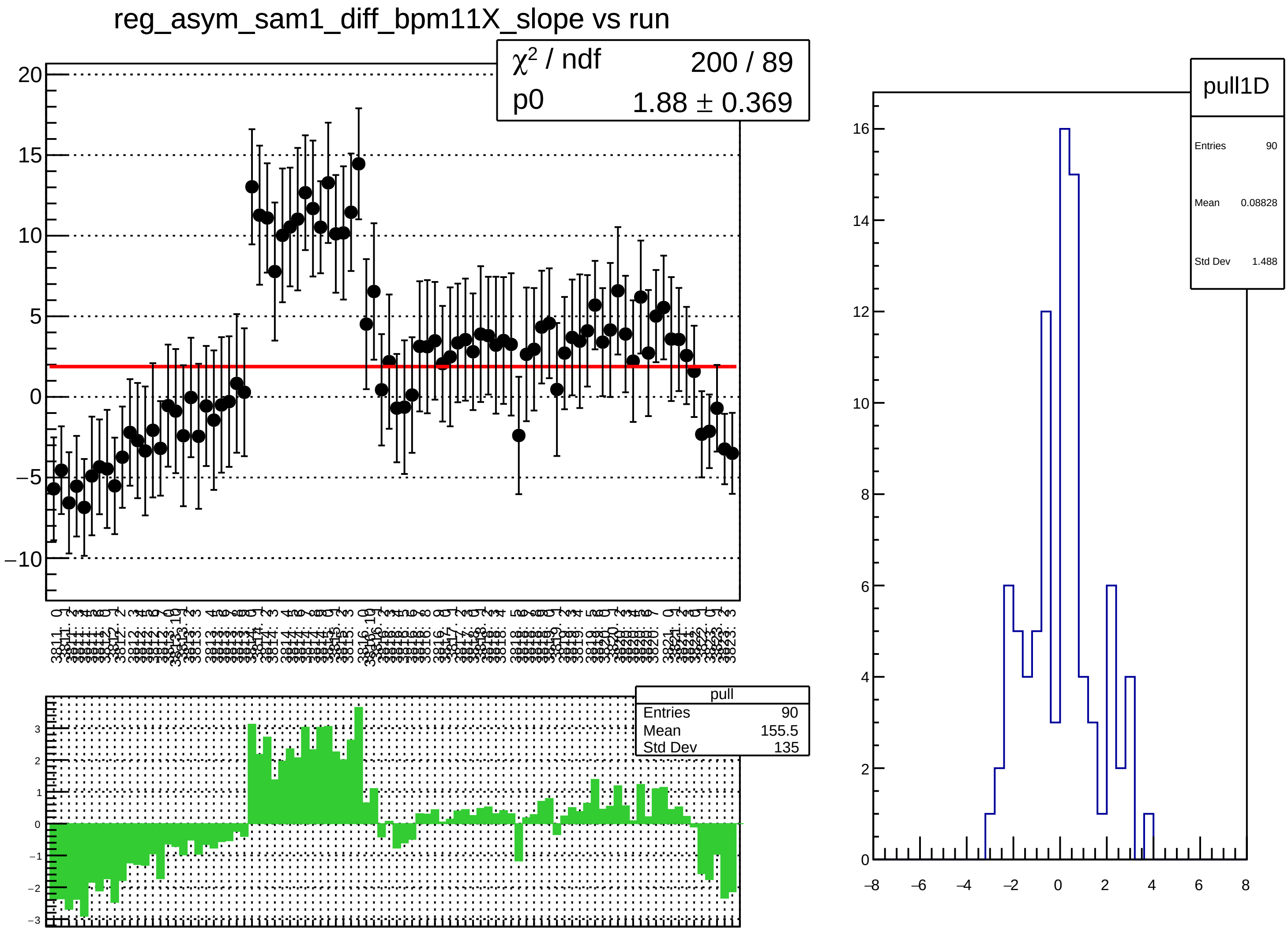

reg_asym_sam1_diff_bpm4aY_slope vs run
χ2 / ndf 178.1 / 89
p0 −183.9 ± 0.923
−150
−160
−170
−180
−190
−200
−210
−220
pull
Entries 90
Mean 110.2
Std Dev 106
pull1D
Entries 90
Mean −0.06789
Std Dev 1.405
−8
−6
−4
−2
0
2
4
6
8
10



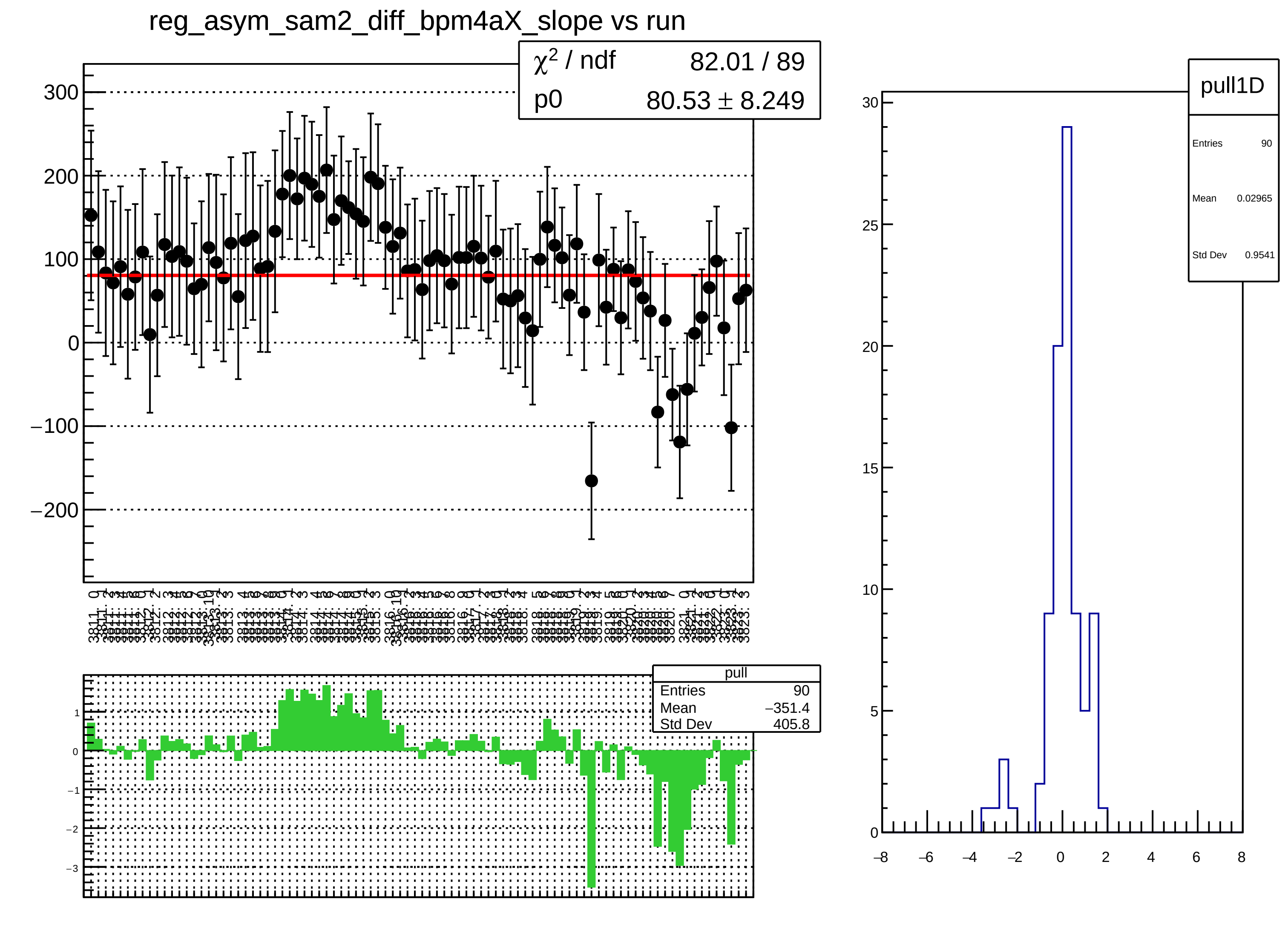
reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 5993 / 89
p0 −46.06 ± 0.2618
pull
Entries 90
Mean −472.5
Std Dev 523.7
pull1D
Entries 90
Mean −4.183
Std Dev 3.881



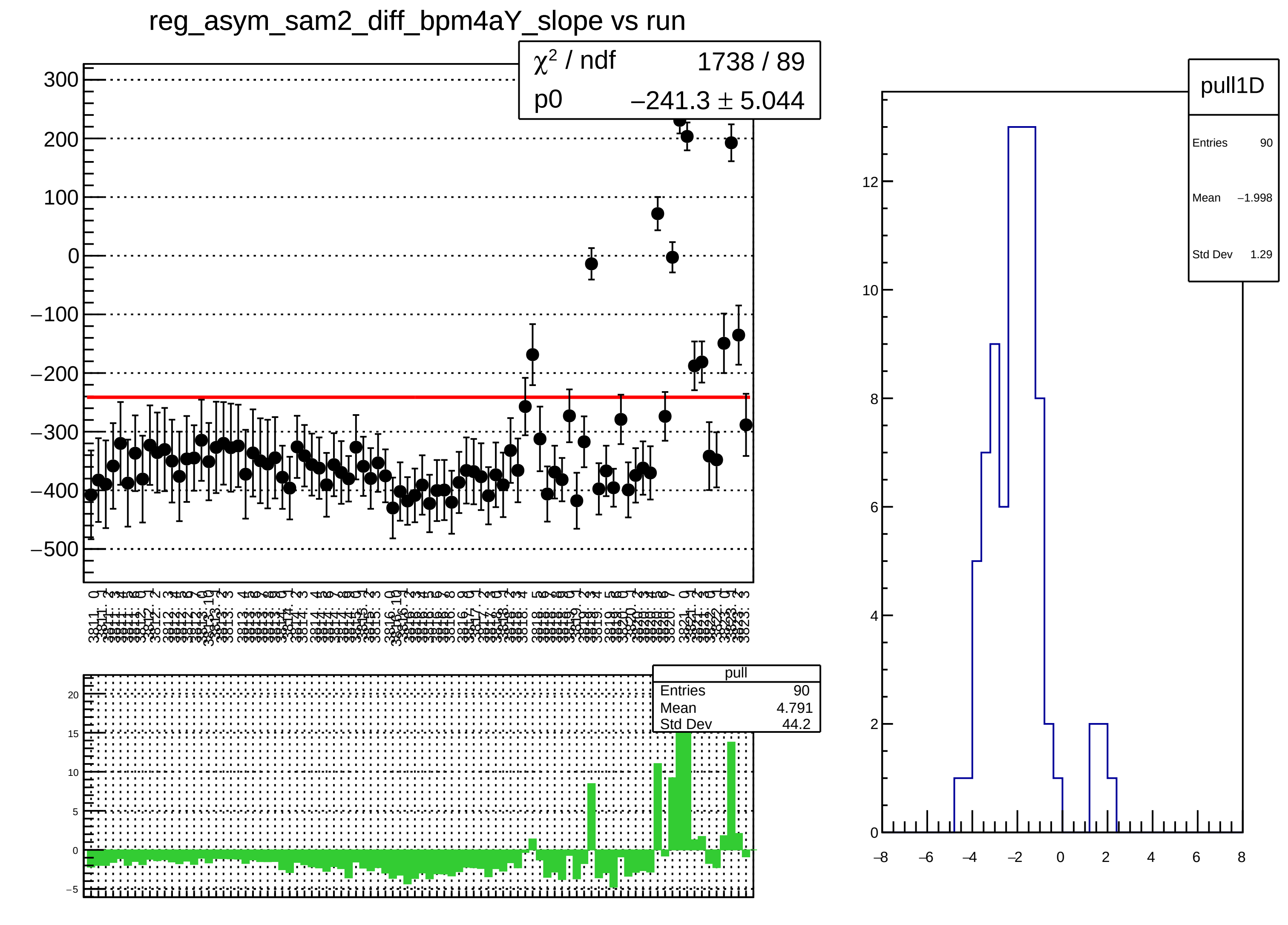
reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 152.2 / 89
p0 −38.16 ± 1.44
0
−20
−40
−60
−80
−100
pull
Entries 90
Mean −161.6
Std Dev 197.6
3
2
1
0
−1
−2
−3
pull1D
Entries 90
Mean −0.09336
Std Dev 1.297
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

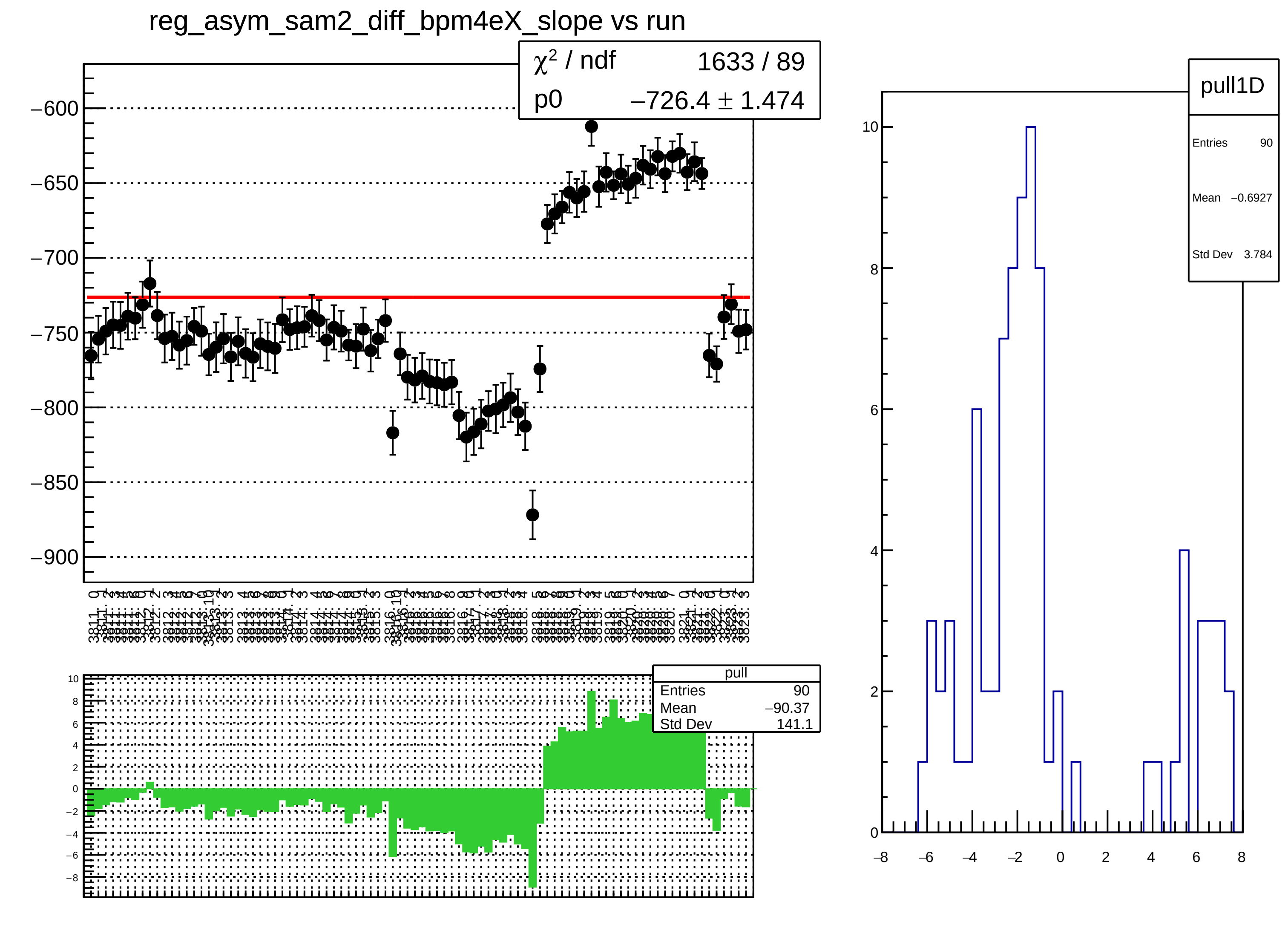


reg_asym_sam1_diff_bpm11X_slope vs run
χ^2 / ndf 200 / 89
p0 1.88 ± 0.369
pull
Entries 90
Mean 155.5
Std Dev 135
pull1D
Entries 90
Mean 0.08828
Std Dev 1.488

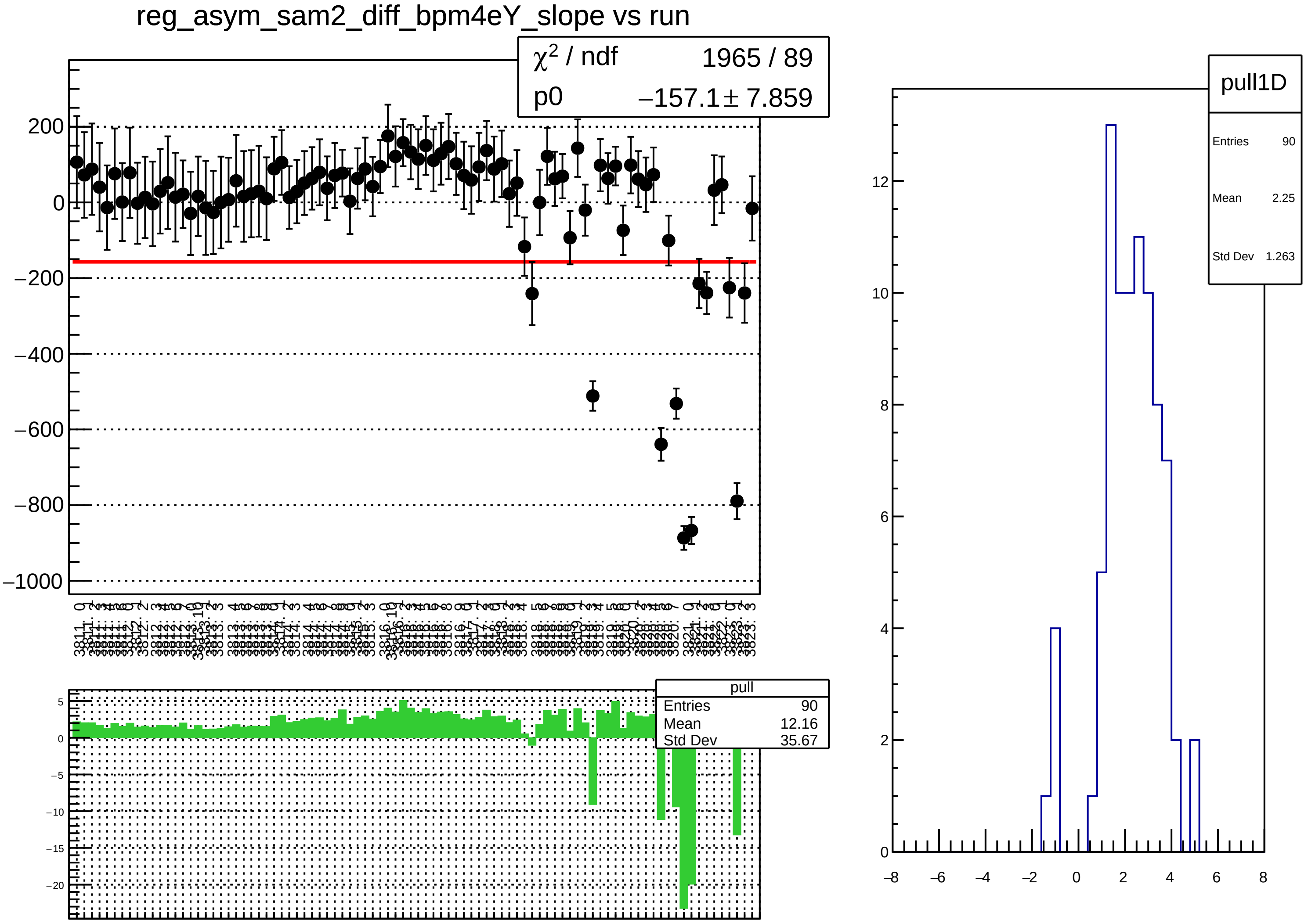


reg_asym_sam2_diff_bpm4aX_slope vs run
χ2 / ndf 82.01 / 89
p0 80.53 ± 8.249
pull
Entries 90
Mean −351.4
Std Dev 405.8
pull1D
Entries 90
Mean 0.02965
Std Dev 0.9541

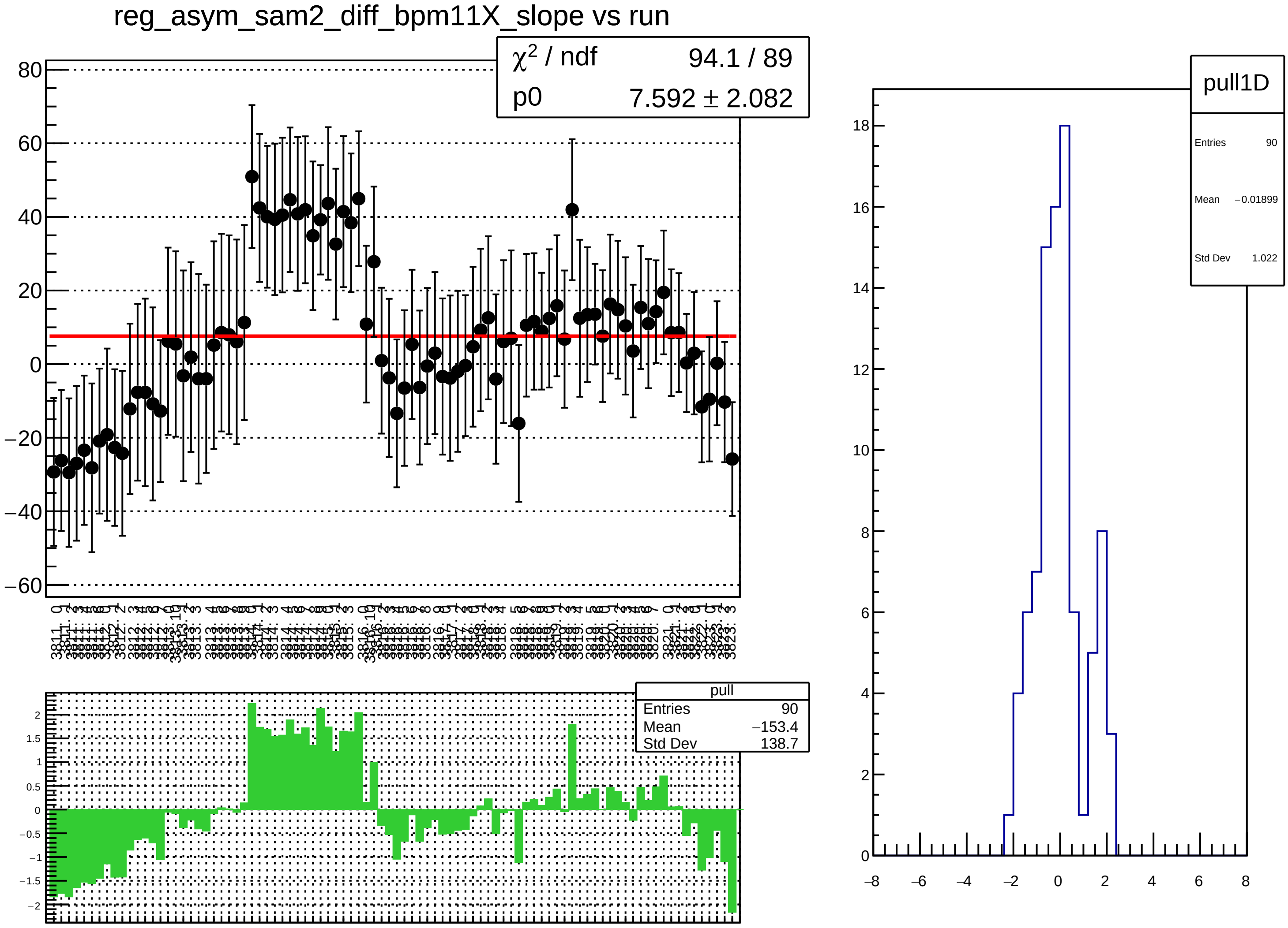

reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 1738 / 89
p0 −241.3 ± 5.044
pull
Entries 90
Mean 4.791
Std Dev 44.2
pull1D
Entries 90
Mean −1.998
Std Dev 1.29



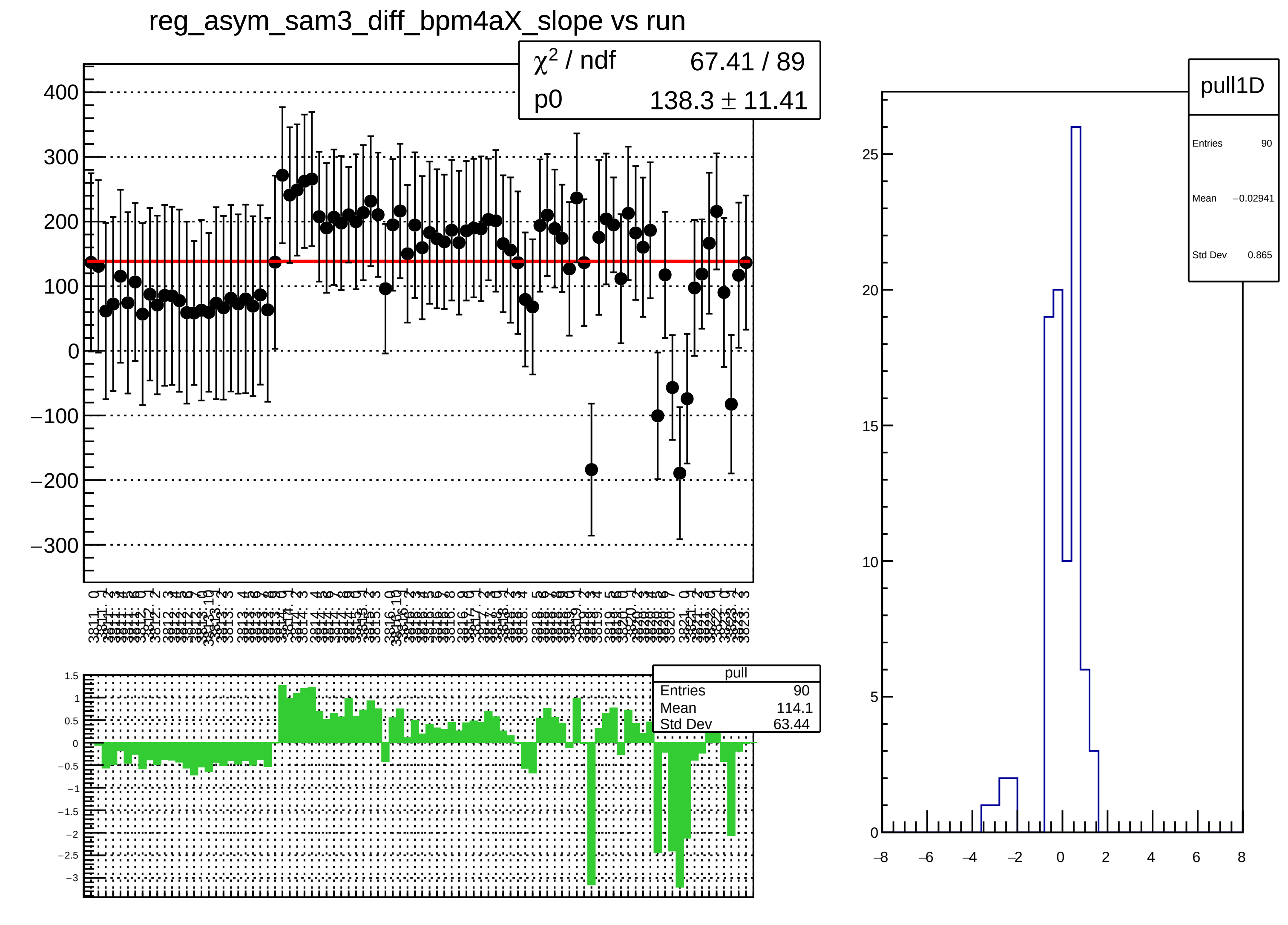
reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 1633 / 89
p0 −726.4 ± 1.474
pull
Entries 90
Mean −90.37
Std Dev 141.1
pull1D
Entries 90
Mean −0.6927
Std Dev 3.784



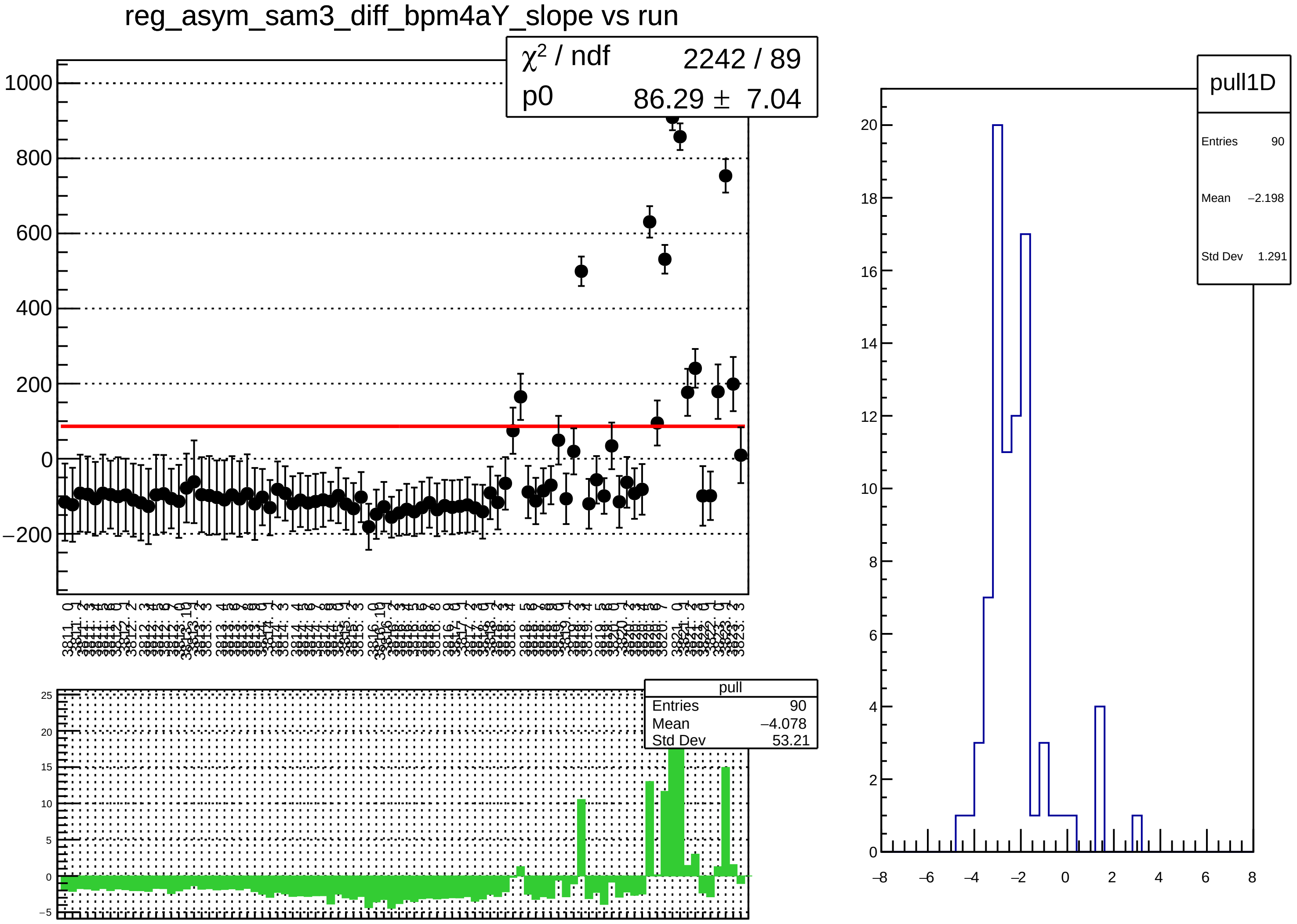
reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 1965 / 89
p0 −157.1 ± 7.859
pull
Entries 90
Mean 12.16
Std Dev 35.67
pull1D
Entries 90
Mean 2.25
Std Dev 1.263



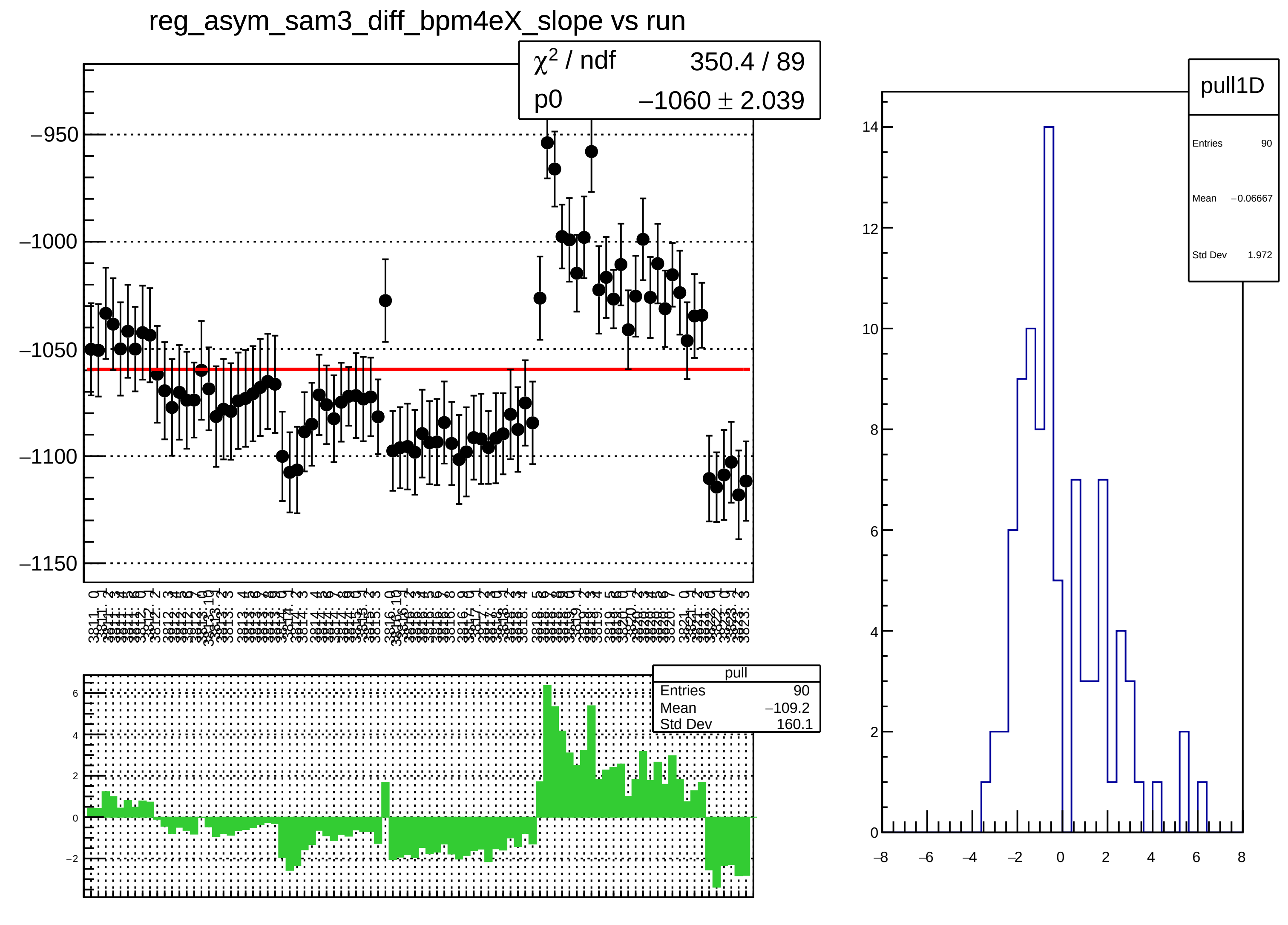
reg_asym_sam2_diff_bpm11X_slope vs run
χ^2 / ndf 94.1 / 89
p0 7.592 ± 2.082
pull
Entries 90
Mean −153.4
Std Dev 138.7
pull1D
Entries 90
Mean −0.01899
Std Dev 1.022



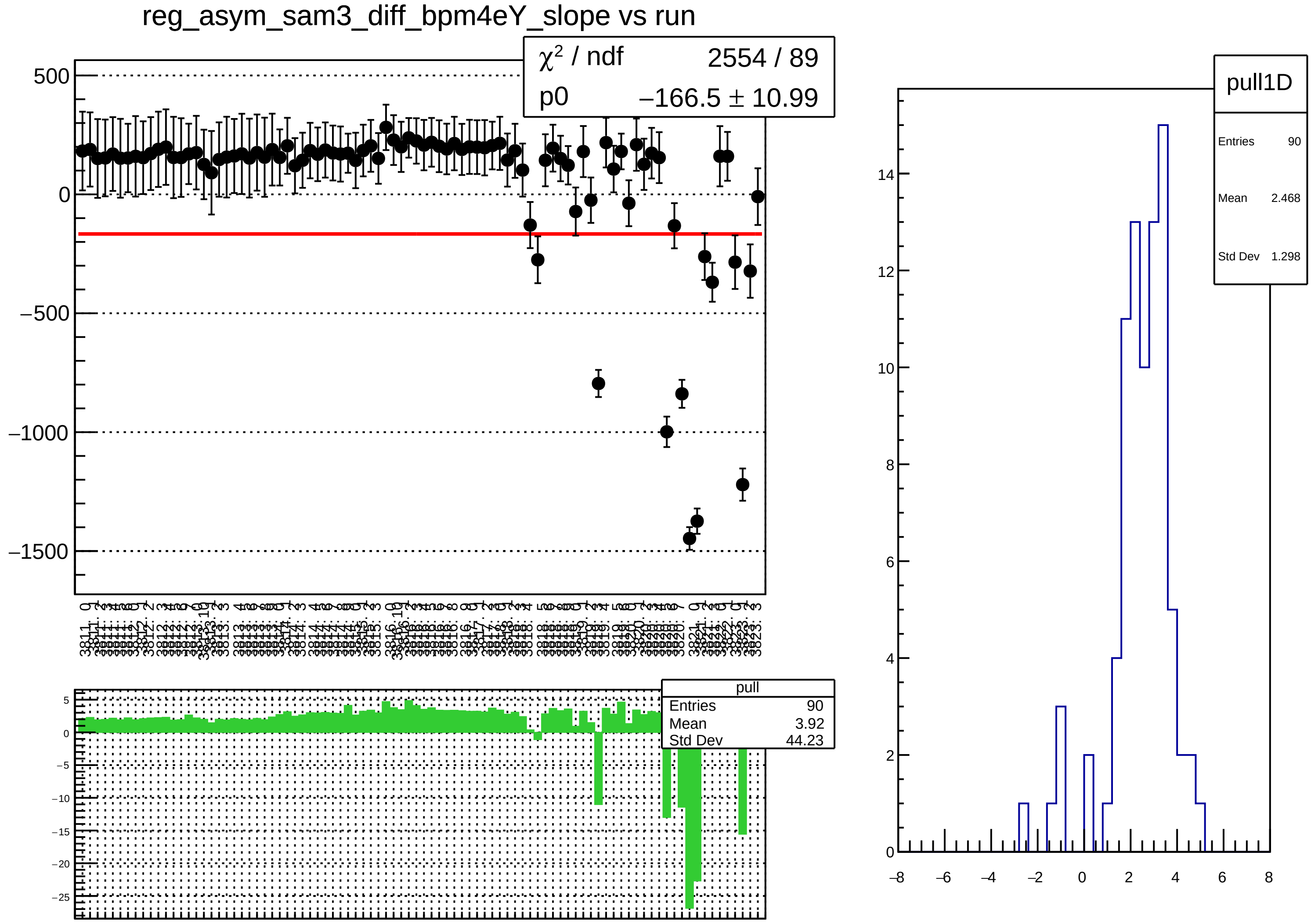
reg_asym_sam3_diff_bpm4aX_slope vs run
χ^2 / ndf 67.41 / 89
p0 138.3 ± 11.41
pull
Entries 90
Mean 114.1
Std Dev 63.44
pull1D
Entries 90
Mean −0.02941
Std Dev 0.865

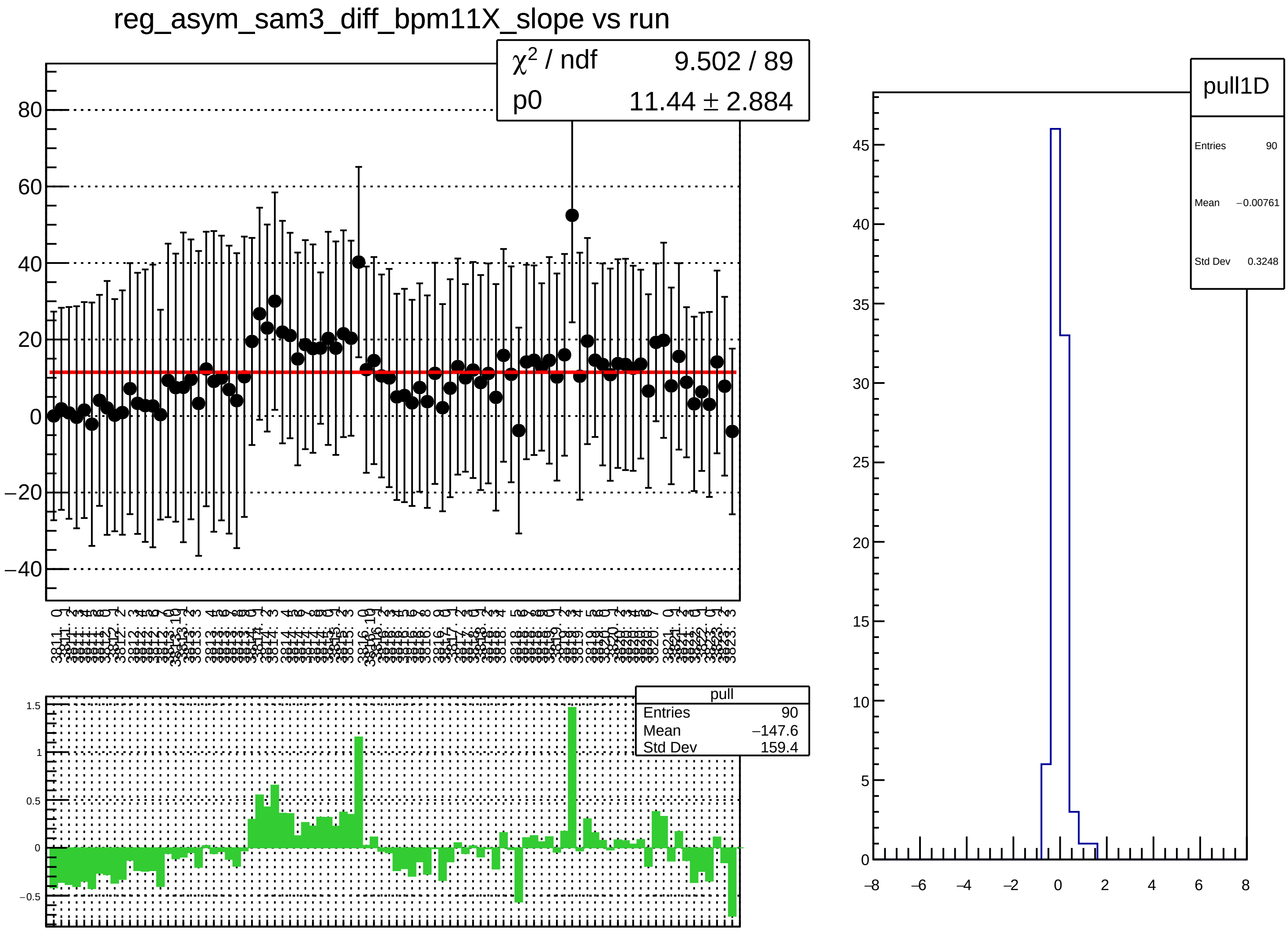


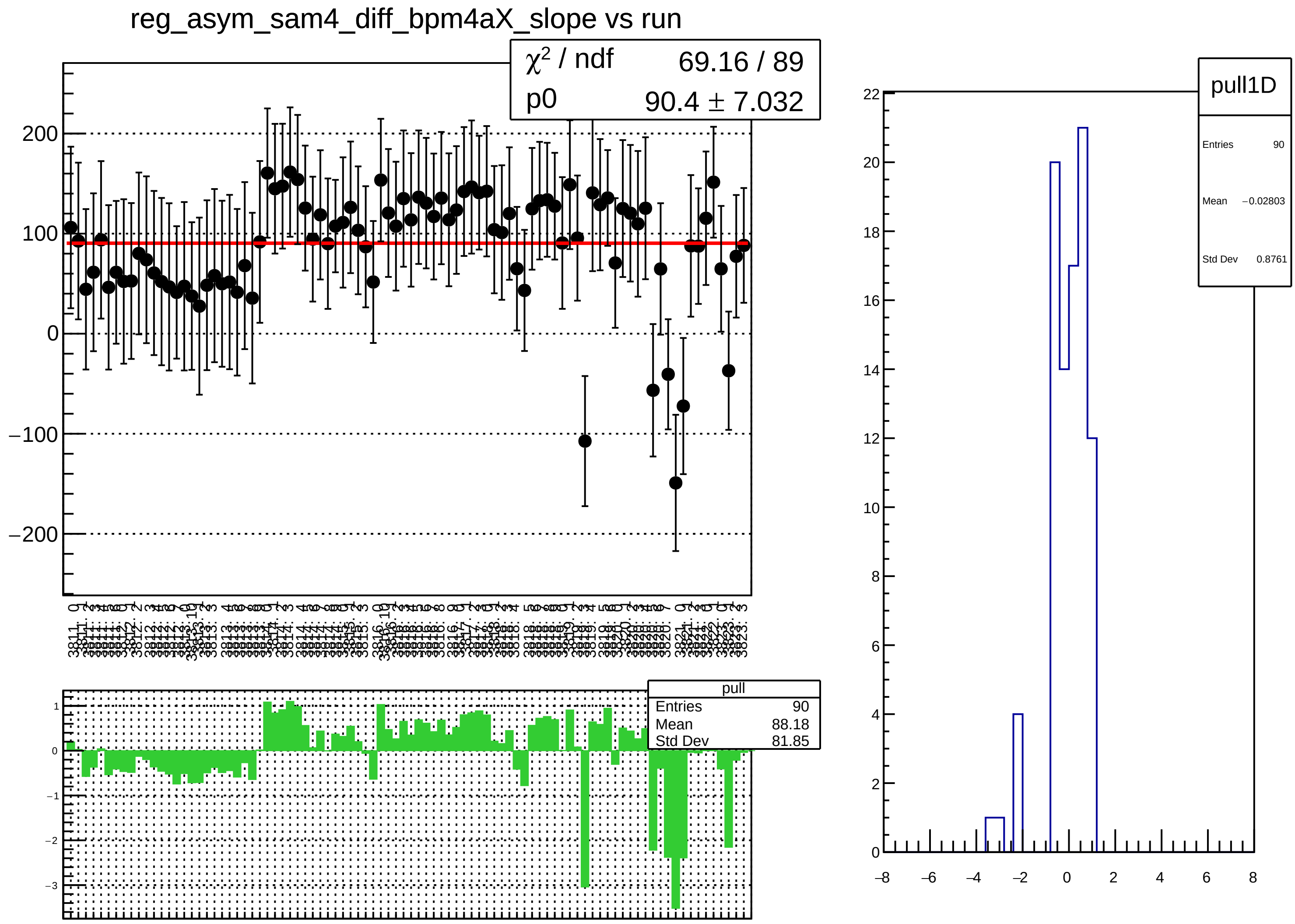
reg_asym_sam3_diff_bpm4aY_slope vs run
χ2 / ndf 2242 / 89
p0 86.29 ± 7.04
pull
Entries 90
Mean −4.078
Std Dev 53.21
pull1D
Entries 90
Mean −2.198
Std Dev 1.291



reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 350.4 / 89
p0 −1060 ± 2.039
−950
−1000
−1050
−1100
−1150
pull
Entries 90
Mean −109.2
Std Dev 160.1
6
4
2
0
−2
pull1D
Entries 90
Mean −0.06667
Std Dev 1.972
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

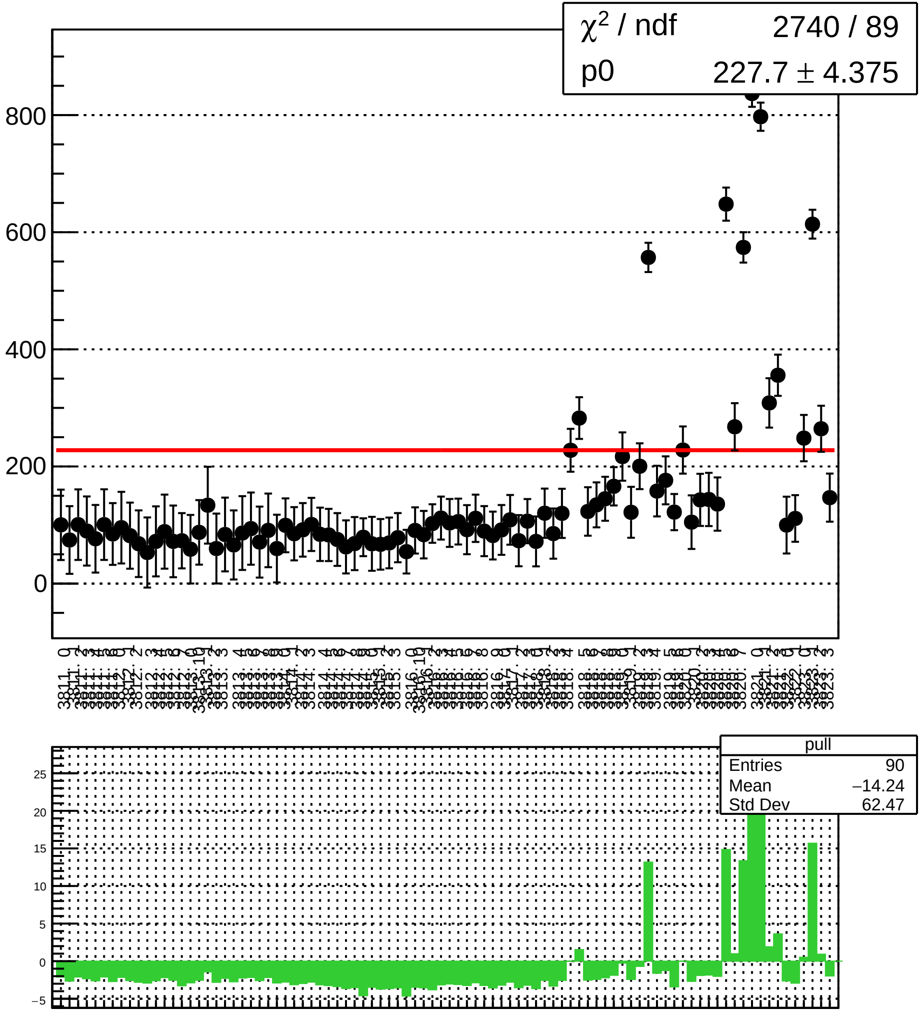

reg_asym_sam3_diff_bpm4eY_slope vs run
χ2 / ndf 2554 / 89
p0 −166.5 ± 10.99
pull
Entries 90
Mean 3.92
Std Dev 44.23
pull1D
Entries 90
Mean 2.468
Std Dev 1.298

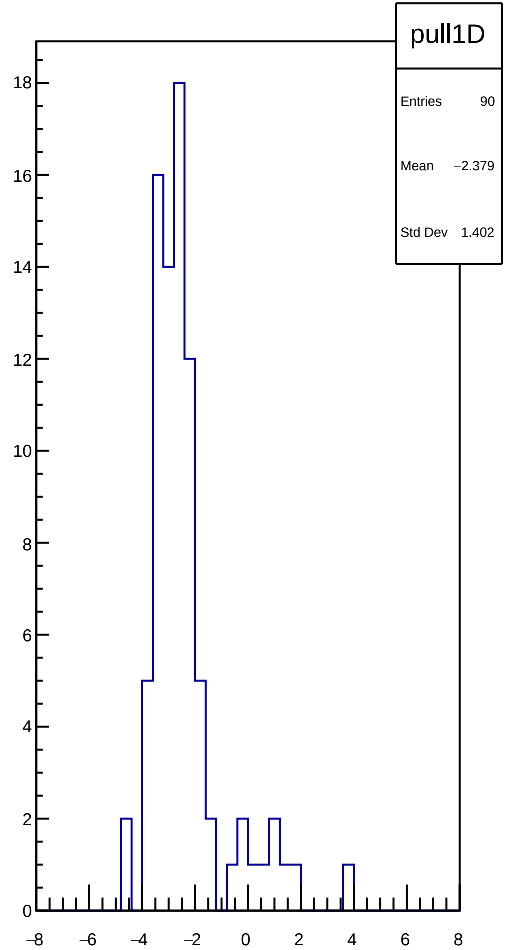

reg_asym_sam3_diff_bpm11X_slope vs run
χ^2 / ndf 9.502 / 89
p0 11.44 ± 2.884
pull
Entries 90
Mean −147.6
Std Dev 159.4
pull1D
Entries 90
Mean −0.00761
Std Dev 0.3248

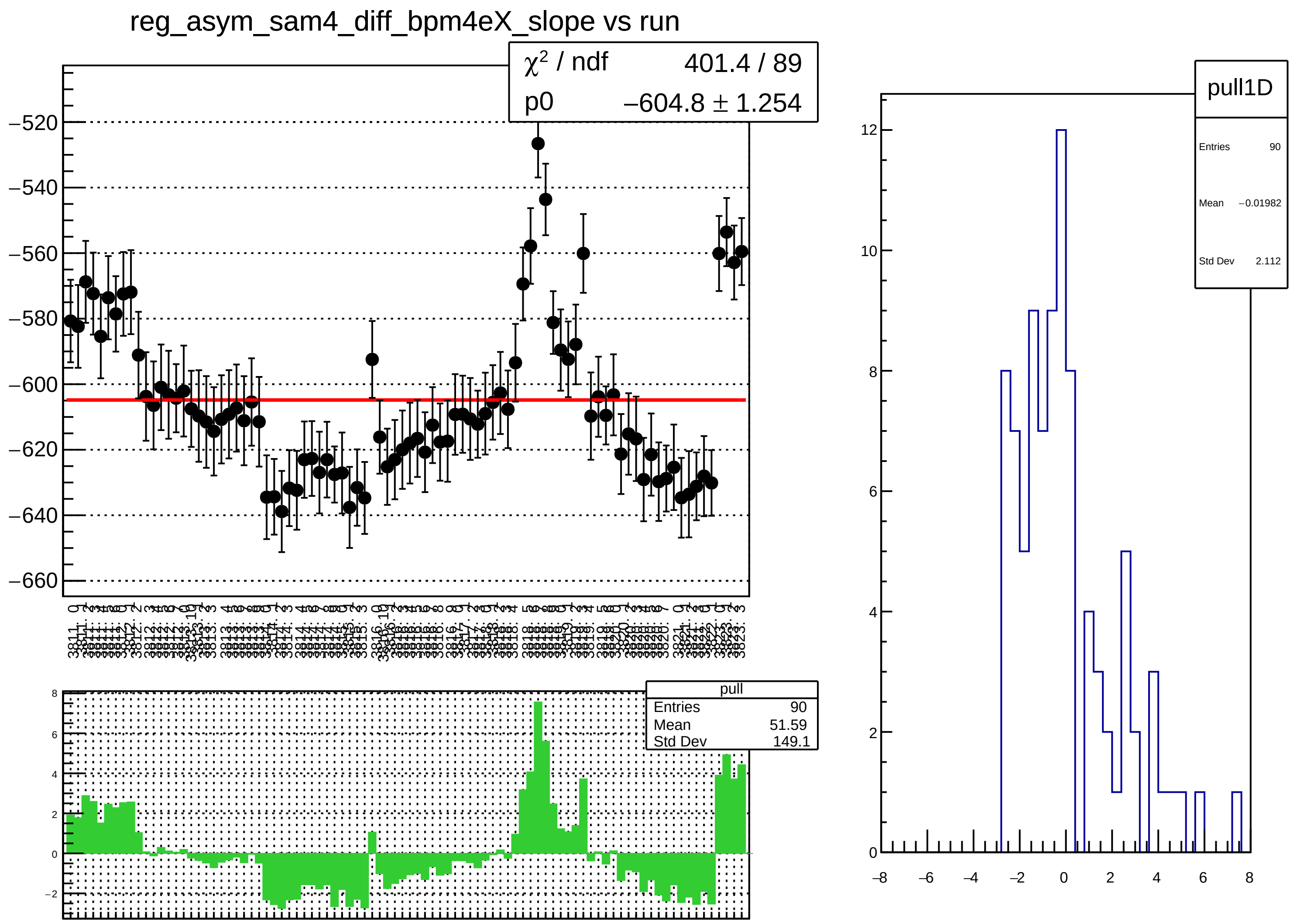


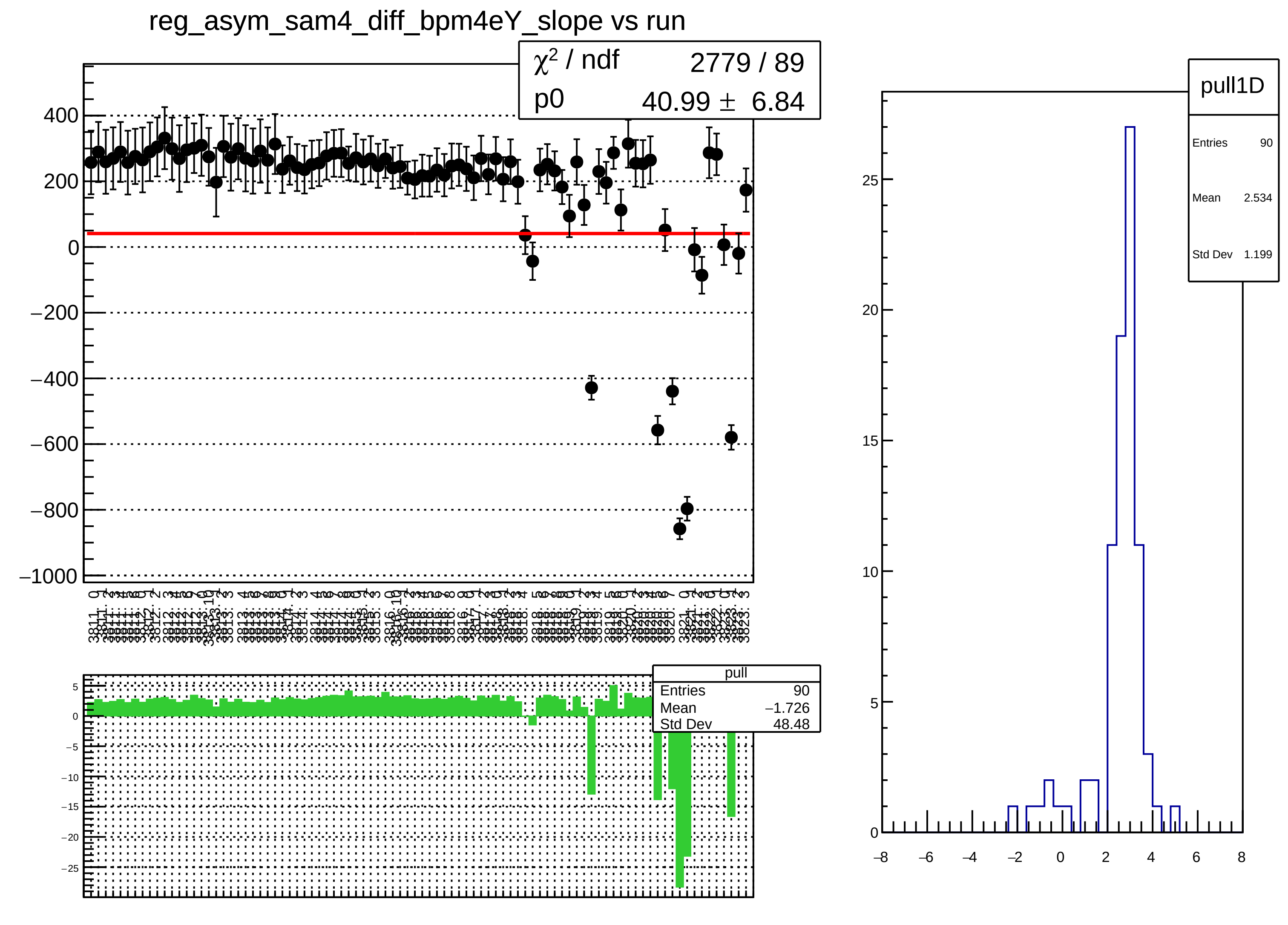
reg_asym_sam4_diff_bpm4aX_slope vs run
χ^2 / ndf 69.16 / 89
p0 90.4 ± 7.032
pull
Entries 90
Mean 88.18
Std Dev 81.85
pull1D
Entries 90
Mean −0.02803
Std Dev 0.8761

reg_asym_sam4_diff_bpm4aY_slope vs run



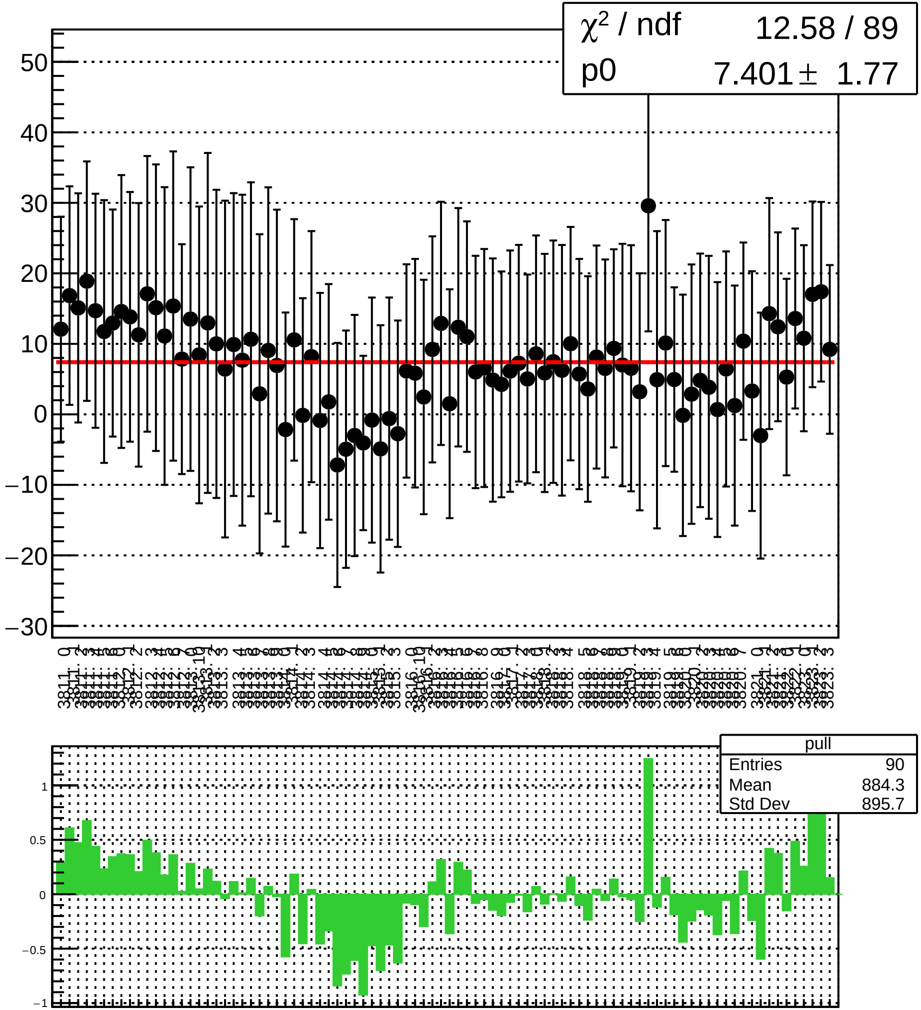


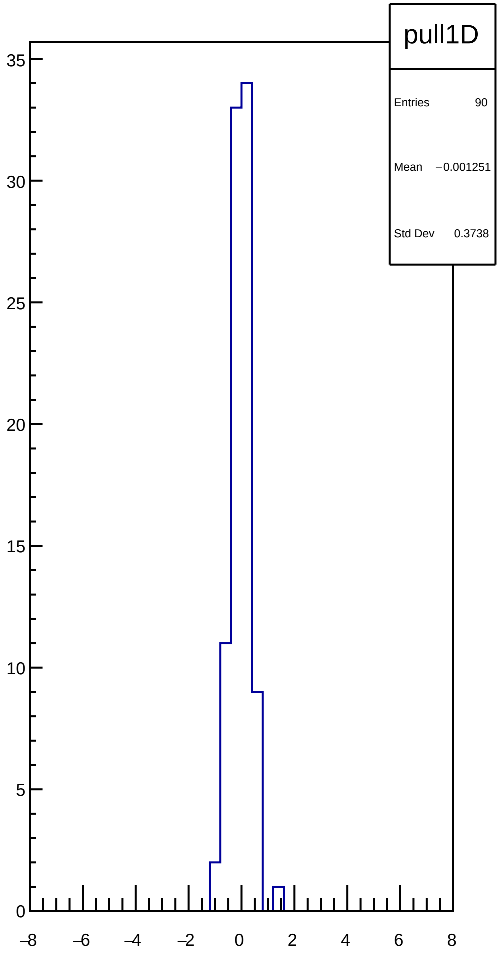

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 401.4 / 89
p0 −604.8 ± 1.254
pull
Entries 90
Mean 51.59
Std Dev 149.1
pull1D
Entries 90
Mean −0.01982
Std Dev 2.112

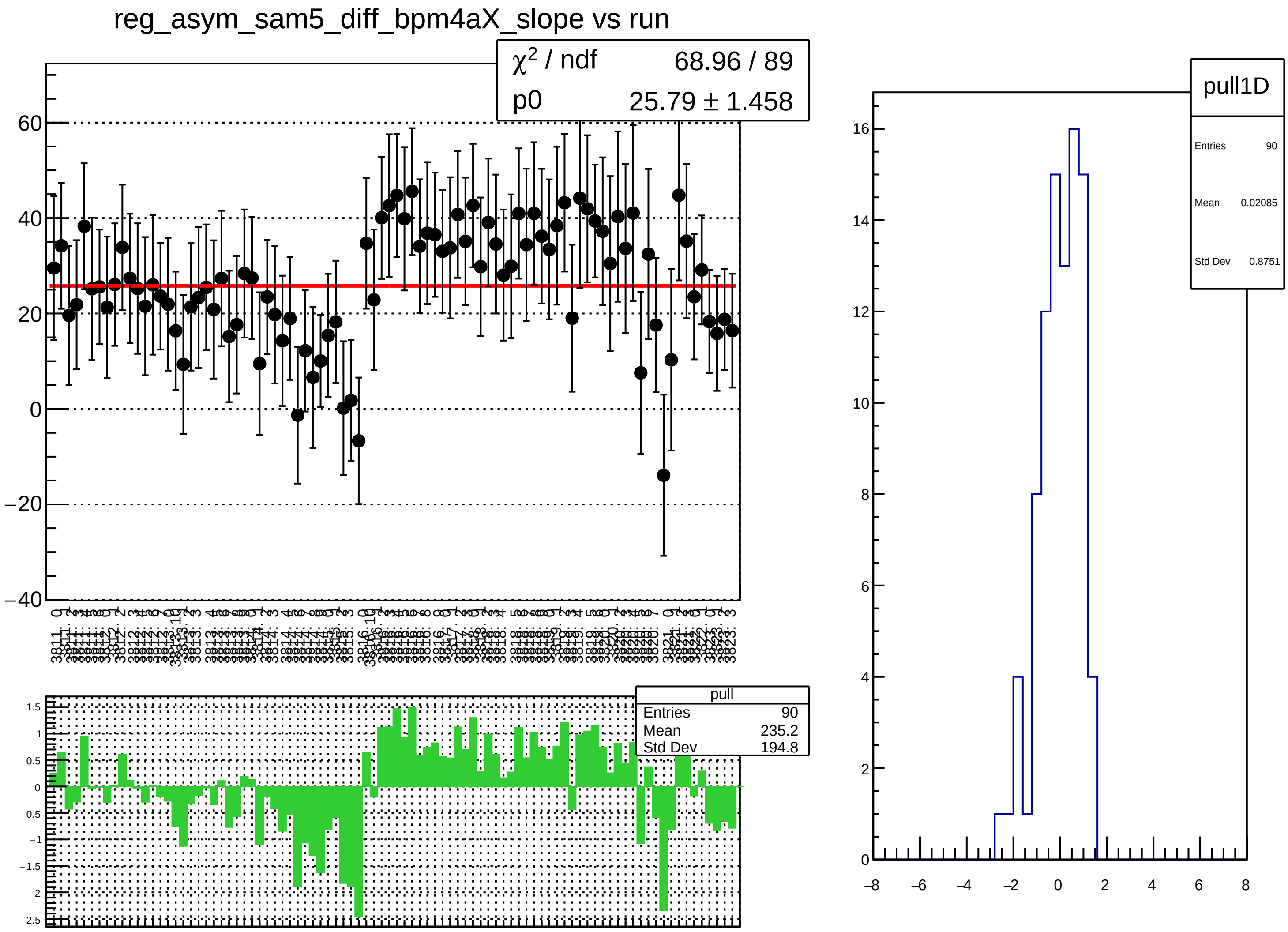


reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 2779 / 89
p0 40.99 ± 6.84
pull
Entries 90
Mean −1.726
Std Dev 48.48
pull1D
Entries 90
Mean 2.534
Std Dev 1.199

reg_asym_sam4_diff_bpm11X_slope vs run

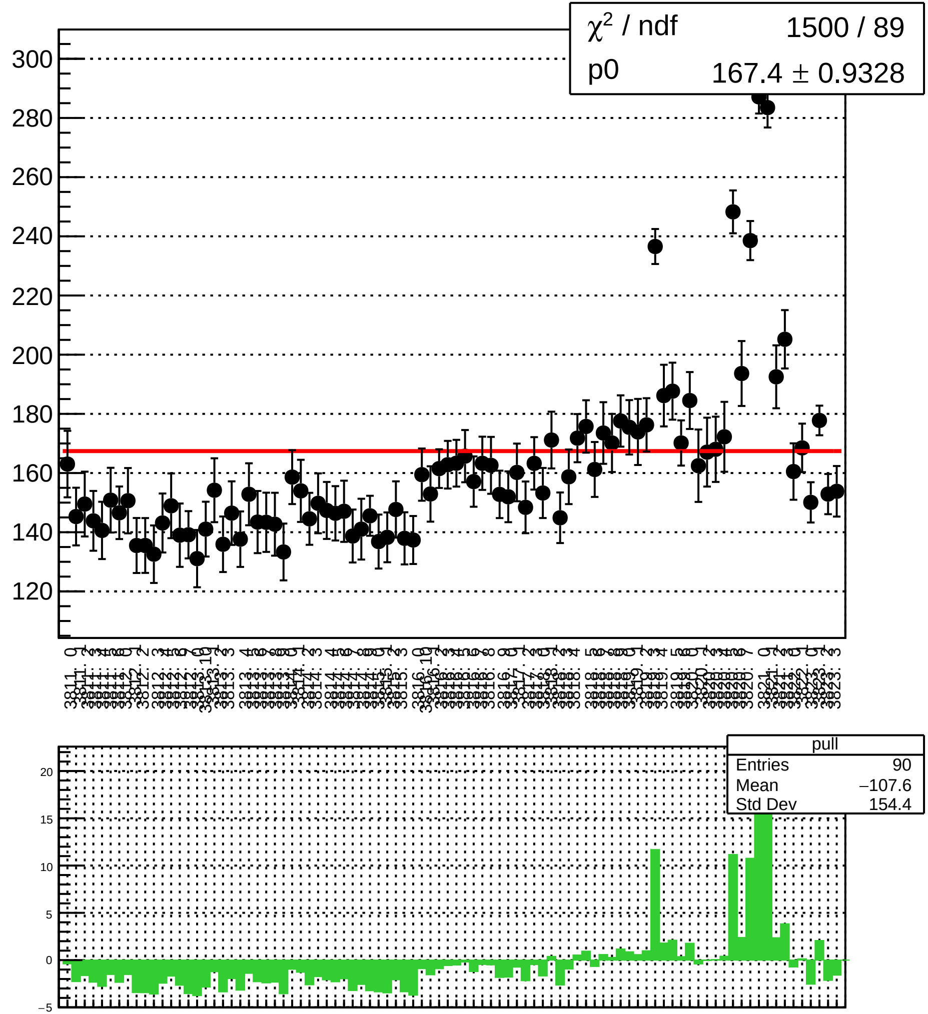


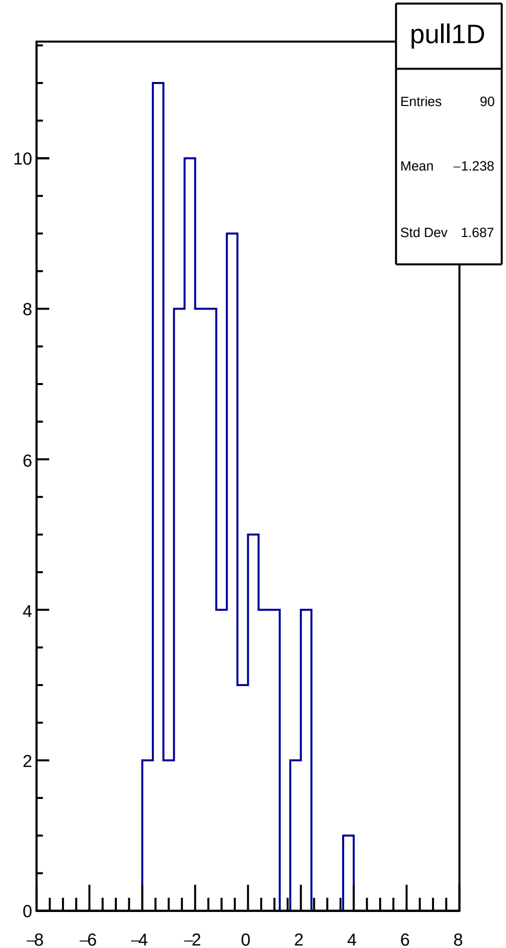


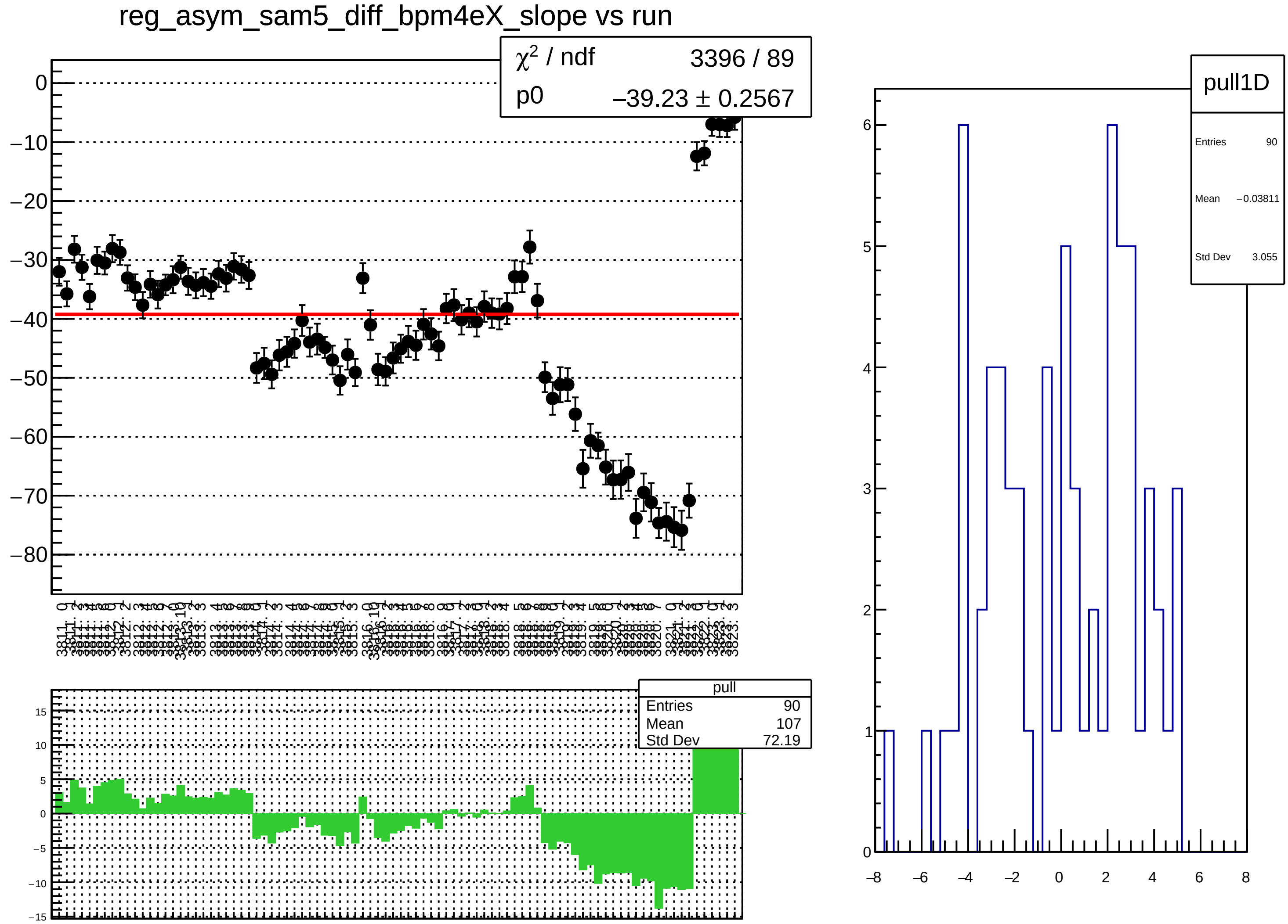


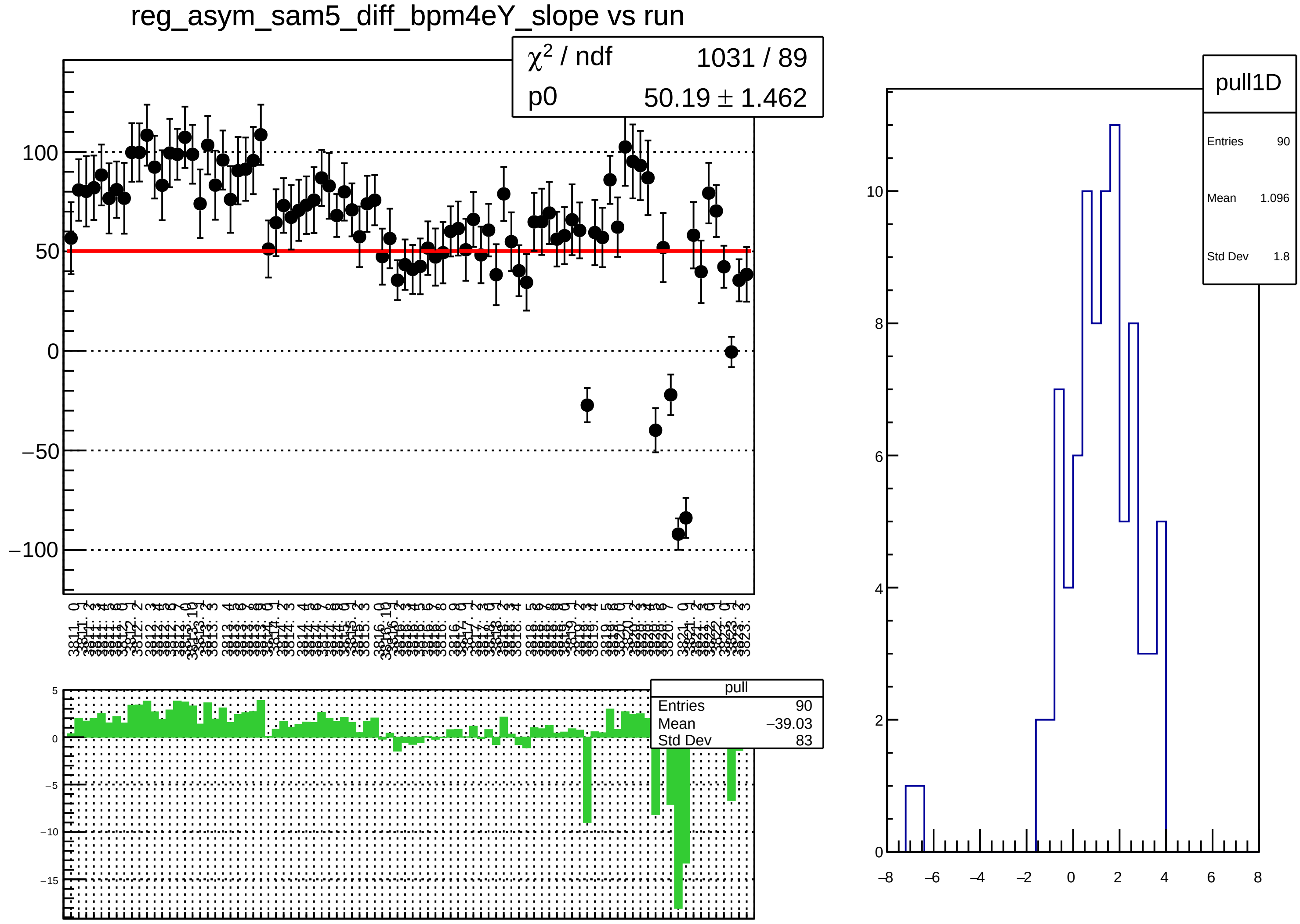
reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 68.96 / 89
p0 25.79 ± 1.458
pull
Entries 90
Mean 235.2
Std Dev 194.8
pull1D
Entries 90
Mean 0.02085
Std Dev 0.8751

reg_asym_sam5_diff_bpm4aY_slope vs run

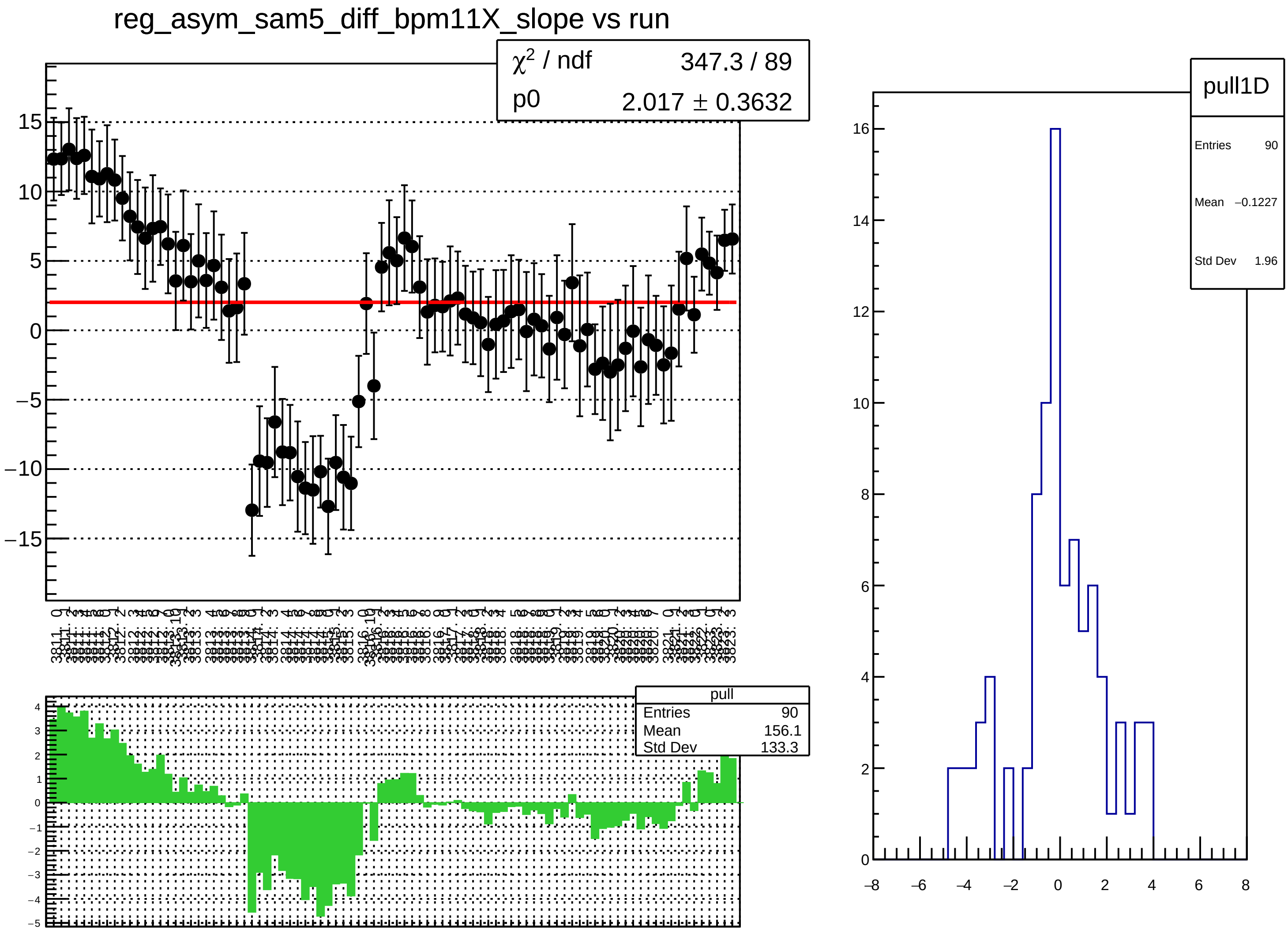




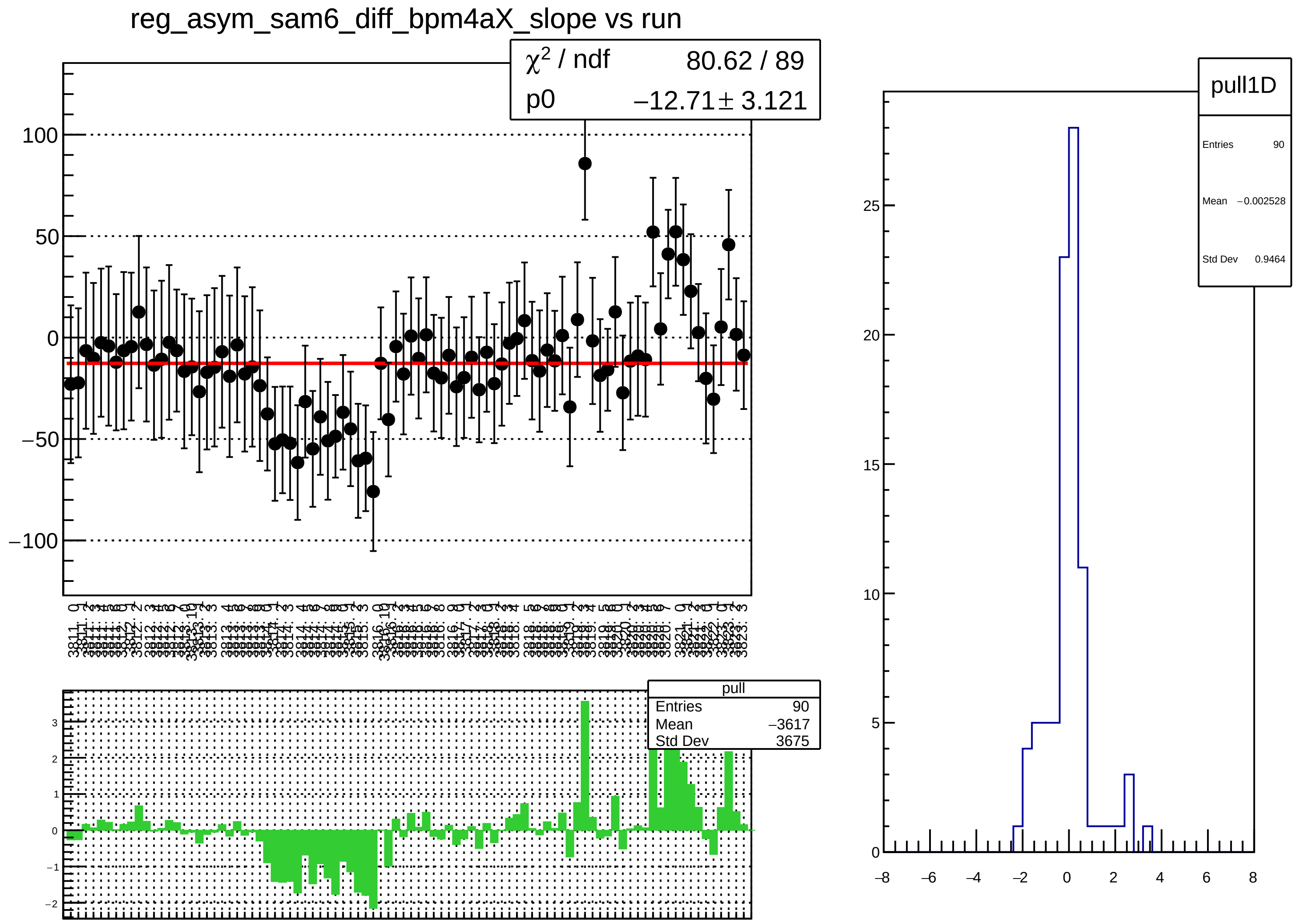

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 3396 / 89
p0 −39.23 ± 0.2567
pull
Entries 90
Mean 107
Std Dev 72.19
pull1D
Entries 90
Mean −0.03811
Std Dev 3.055



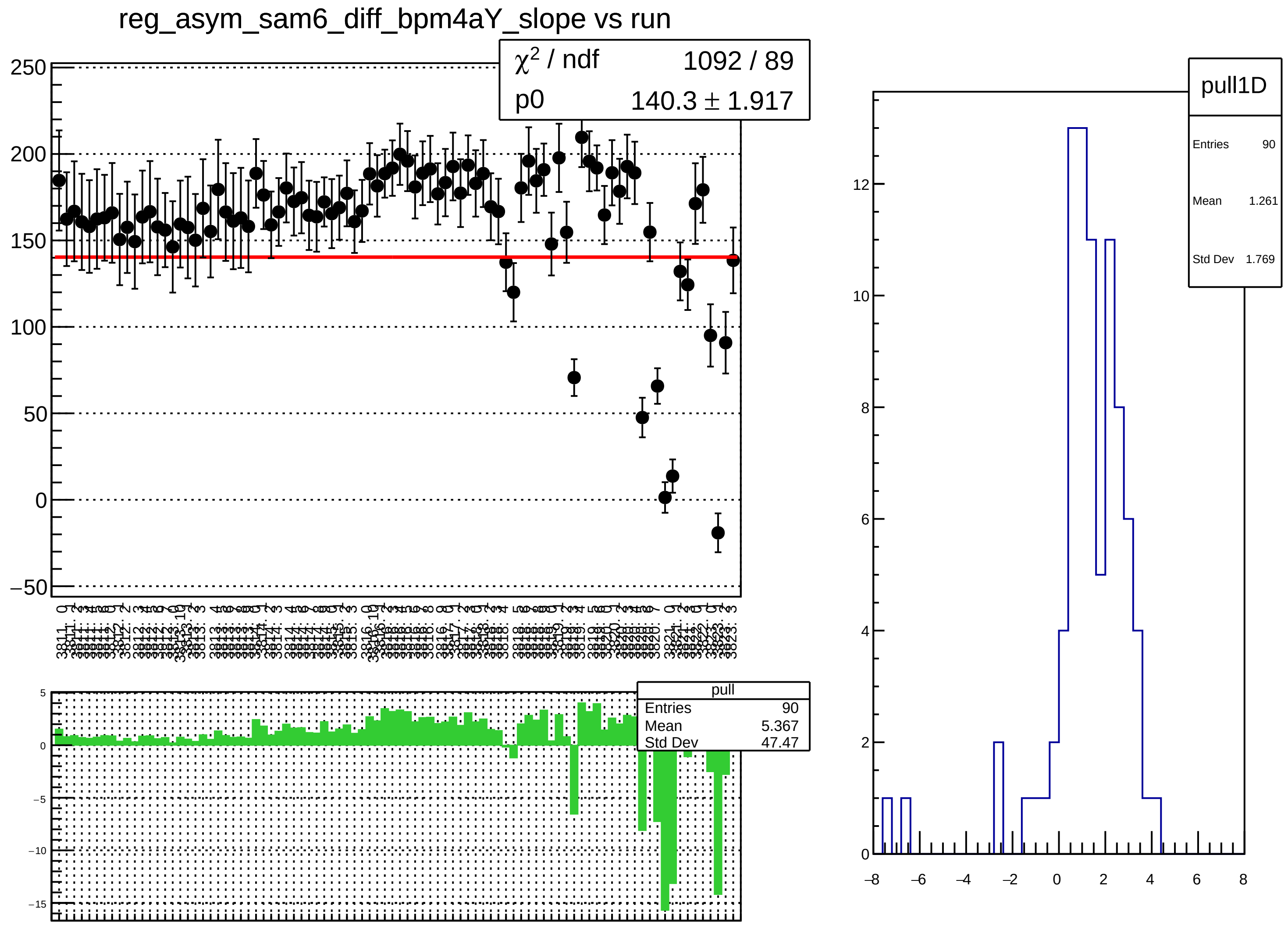
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 1031 / 89
p0 50.19 ± 1.462
pull
Entries 90
Mean −39.03
Std Dev 83
pull1D
Entries 90
Mean 1.096
Std Dev 1.8

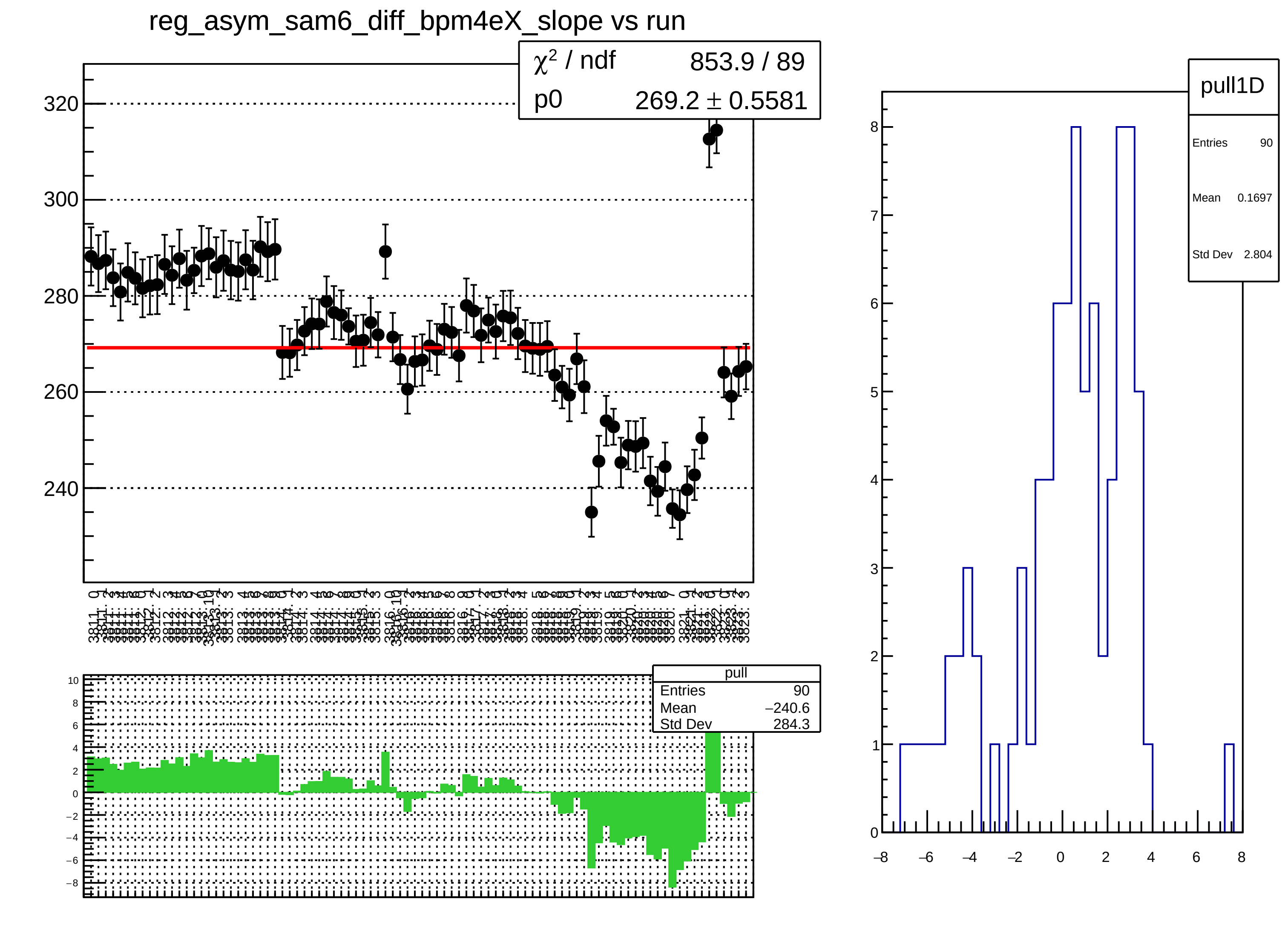


reg_asym_sam5_diff_bpm11X_slope vs run
χ2 / ndf 347.3 / 89
p0 2.017 ± 0.3632
pull
Entries 90
Mean 156.1
Std Dev 133.3
pull1D
Entries 90
Mean −0.1227
Std Dev 1.96

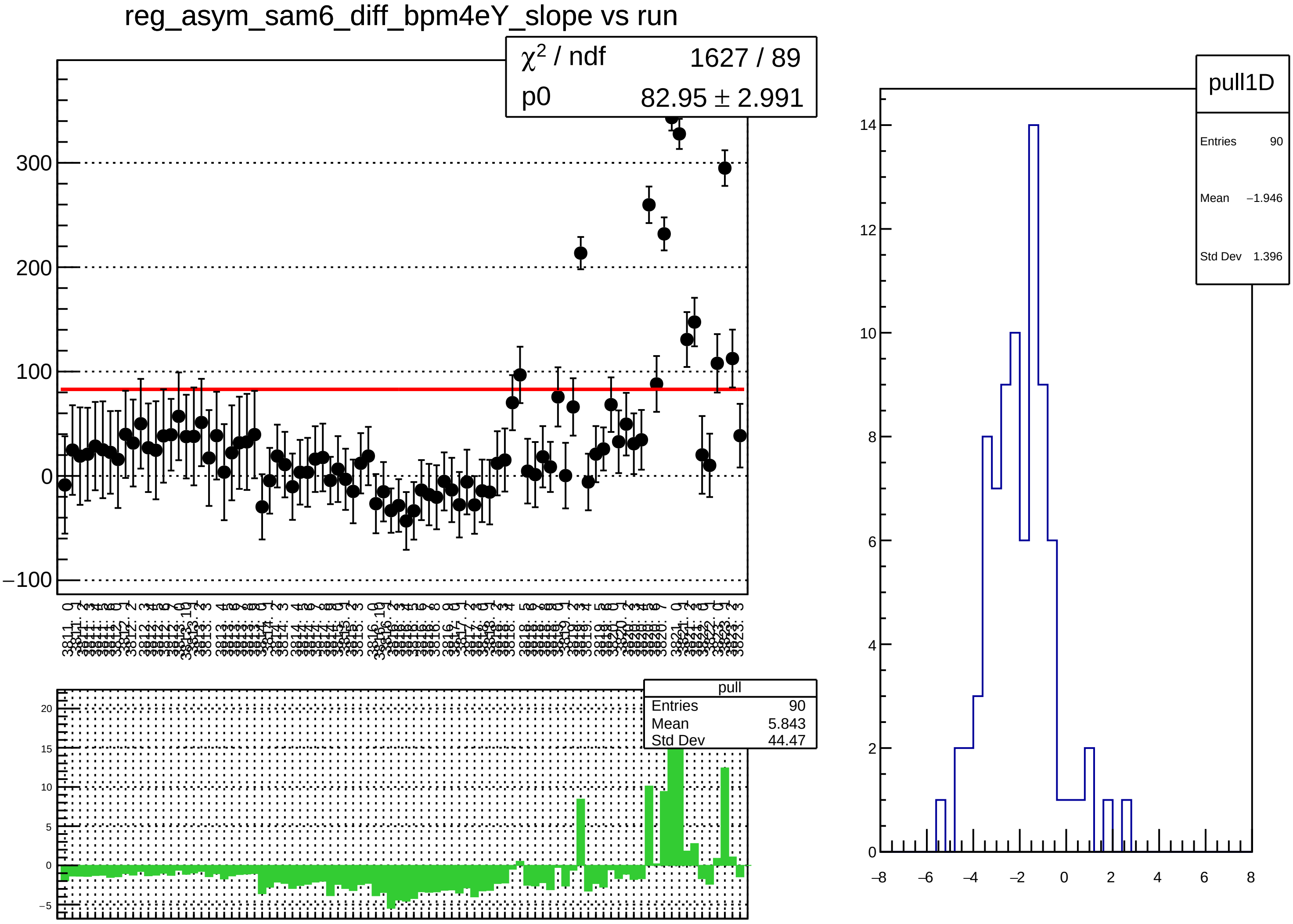


reg_asym_sam6_diff_bpm4aX_slope vs run
χ^2 / ndf 80.62 / 89
p0 −12.71 ± 3.121
pull
Entries 90
Mean −3617
Std Dev 3675
pull1D
Entries 90
Mean −0.002528
Std Dev 0.9464

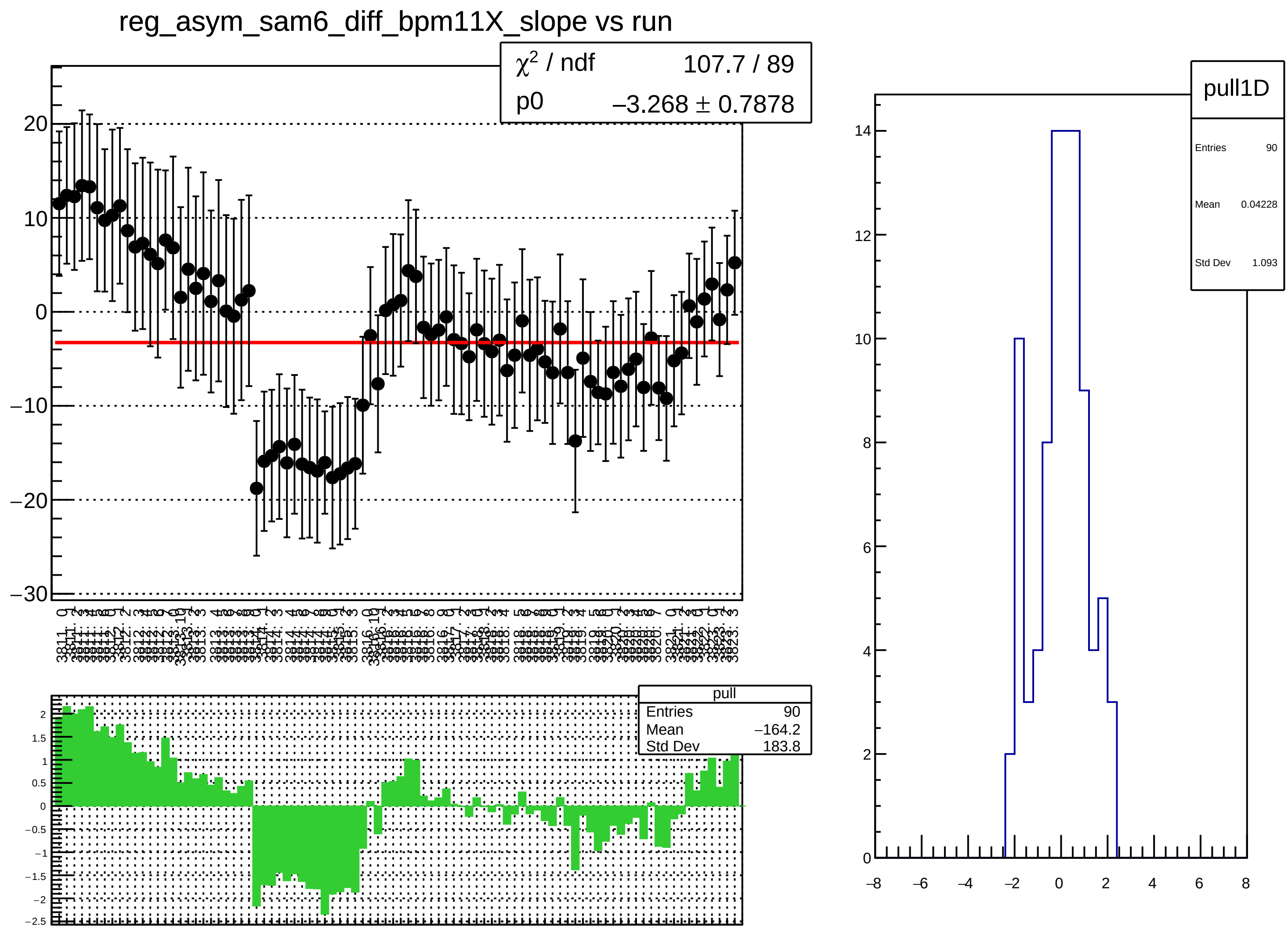

reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 1092 / 89
p0 140.3 ± 1.917
pull
Entries 90
Mean 5.367
Std Dev 47.47
pull1D
Entries 90
Mean 1.261
Std Dev 1.769



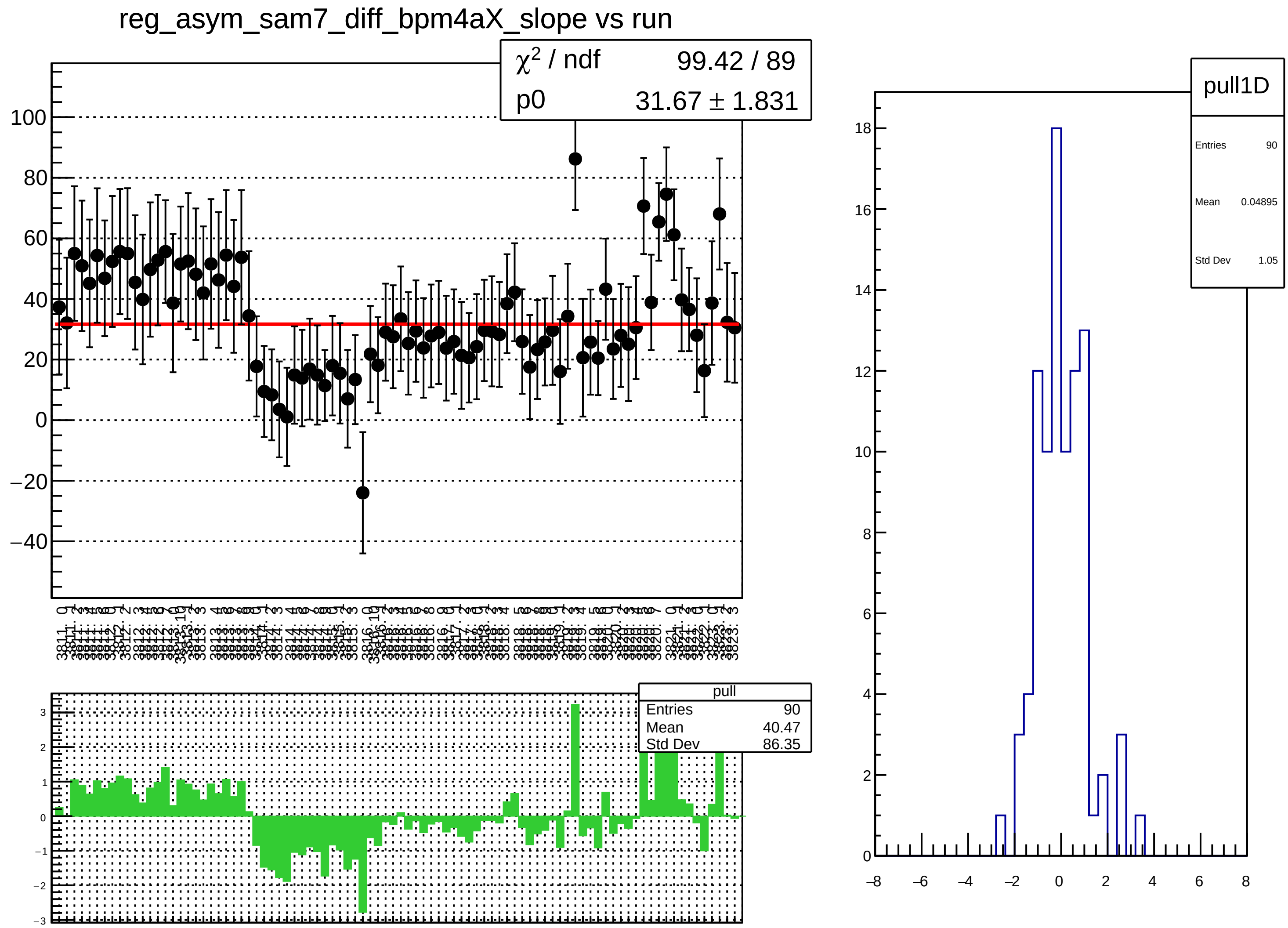
reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 853.9 / 89
p0 269.2 ± 0.5581
320
300
280
260
240
pull
Entries 90
Mean −240.6
Std Dev 284.3
10
8
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 90
Mean 0.1697
Std Dev 2.804
−8
−6
−4
−2
0
2
4
6
8



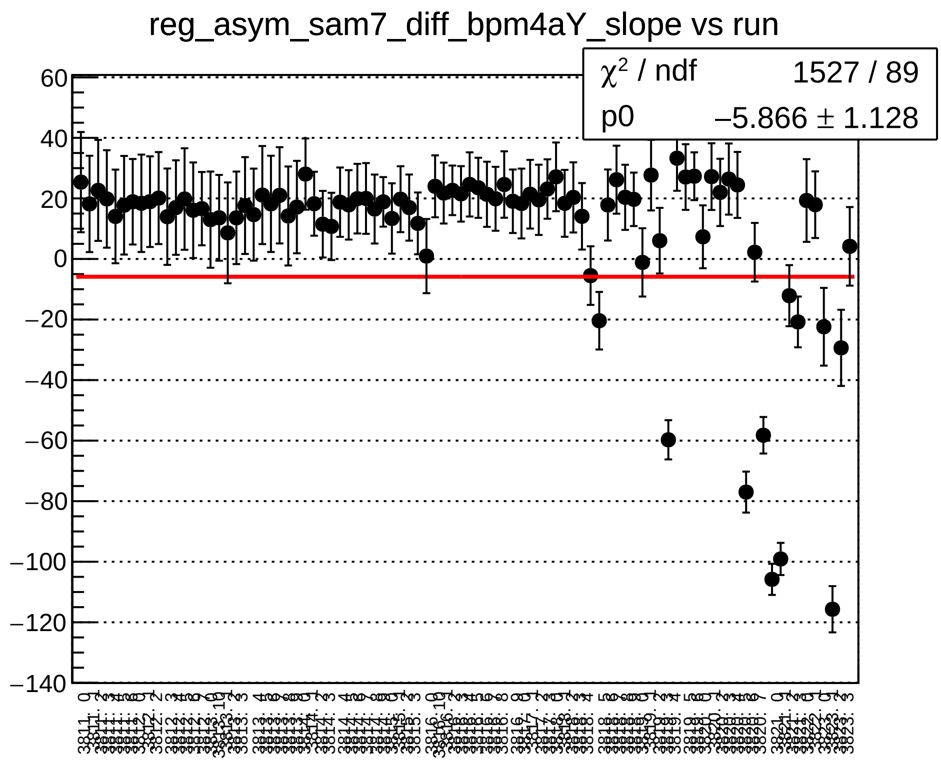
reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 1627 / 89
p0 82.95 ± 2.991
pull
Entries 90
Mean 5.843
Std Dev 44.47
pull1D
Entries 90
Mean −1.946
Std Dev 1.396

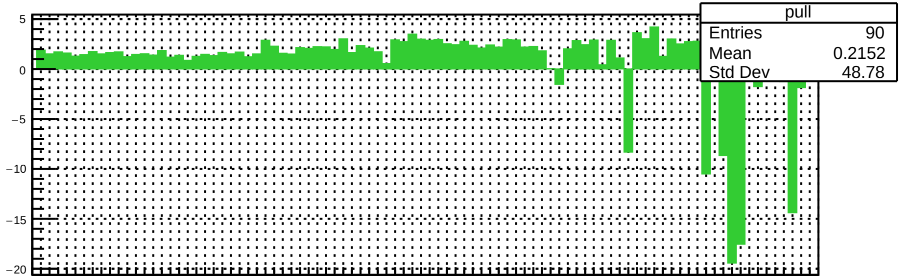


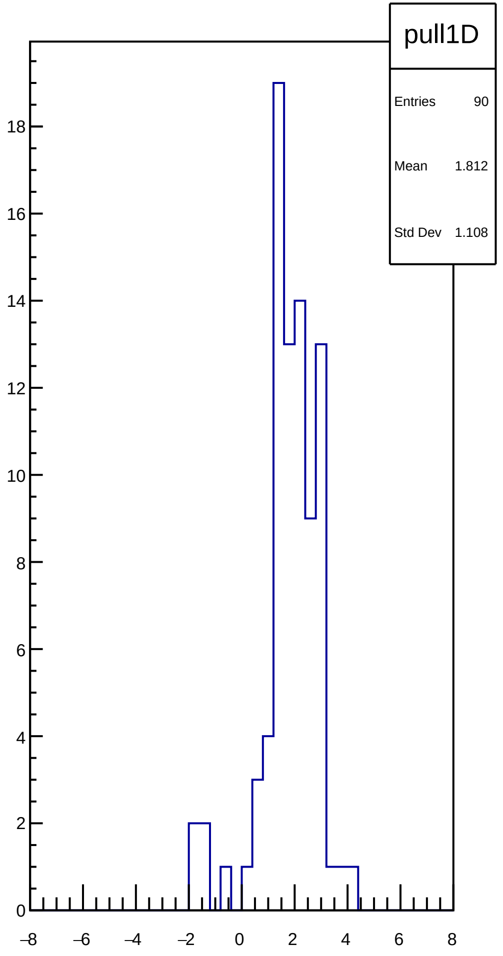
reg_asym_sam6_diff_bpm11X_slope vs run
χ^2 / ndf 107.7 / 89
p0 −3.268 ± 0.7878
pull
Entries 90
Mean −164.2
Std Dev 183.8
pull1D
Entries 90
Mean 0.04228
Std Dev 1.093

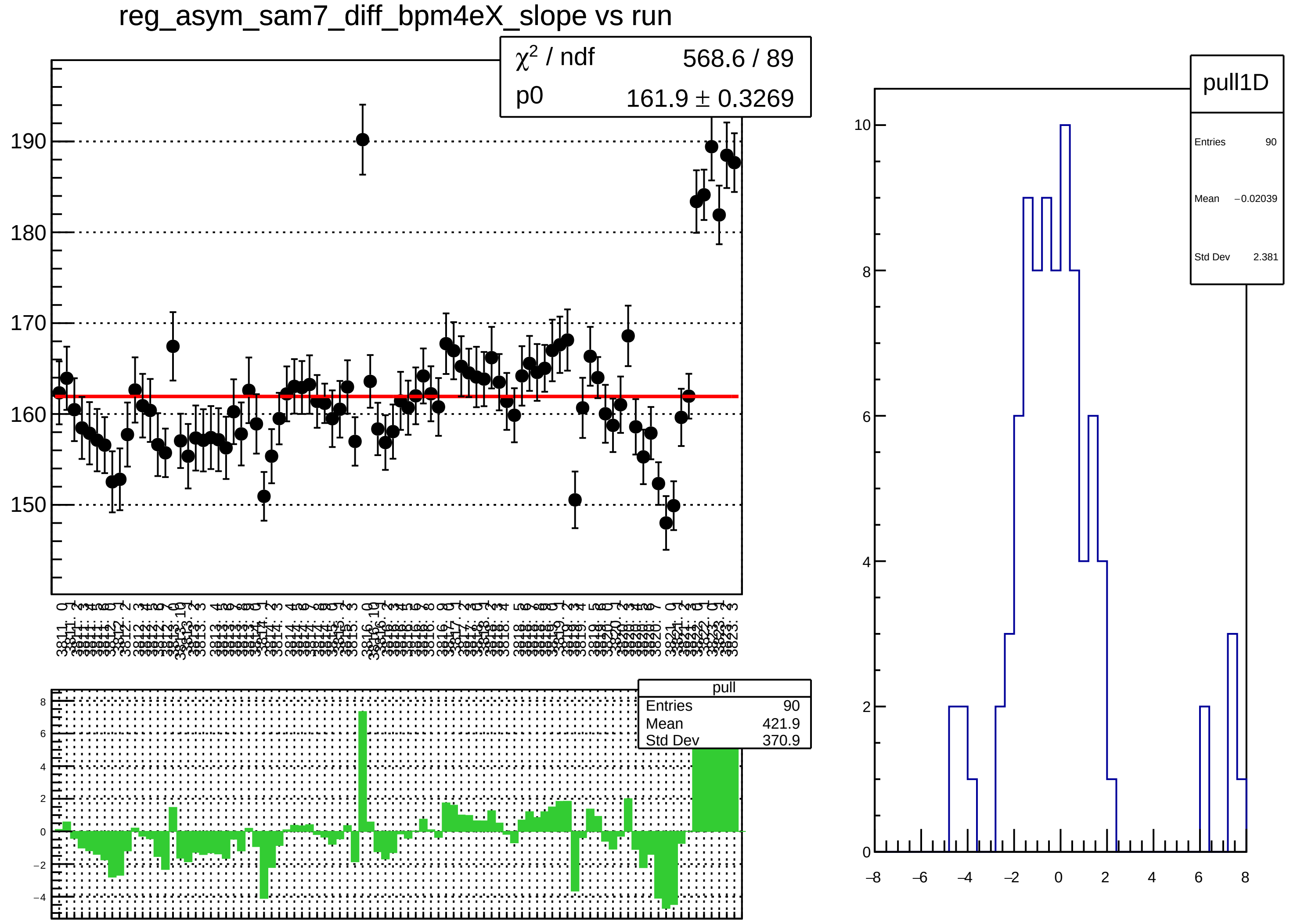


reg_asym_sam7_diff_bpm4aX_slope vs run
χ2 / ndf 99.42 / 89
p0 31.67 ± 1.831
pull
Entries 90
Mean 40.47
Std Dev 86.35
pull1D
Entries 90
Mean 0.04895
Std Dev 1.05

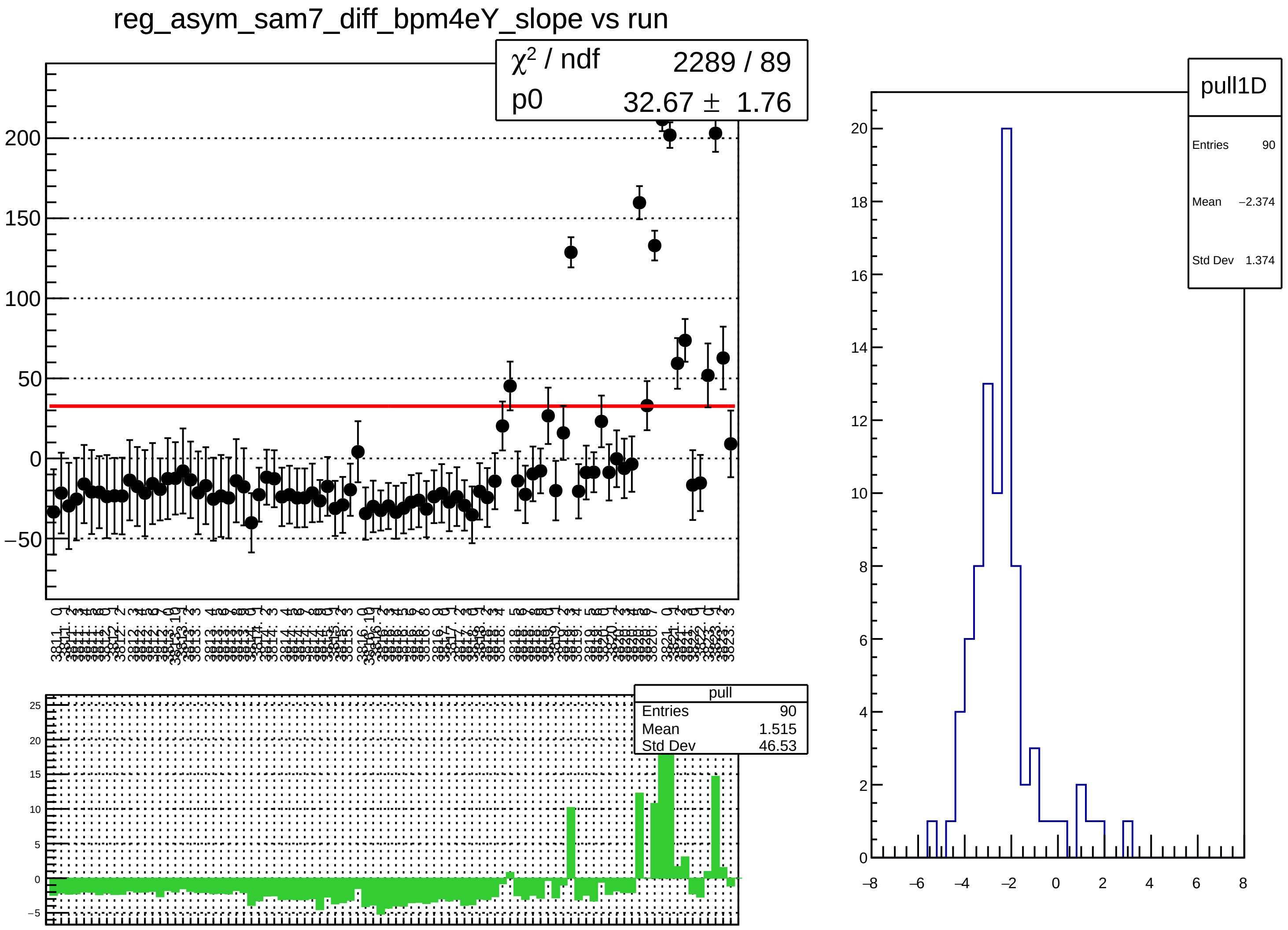

reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 1527 / 89
p0 −5.866 ± 1.128


pull
Entries 90
Mean 0.2152
Std Dev 48.78

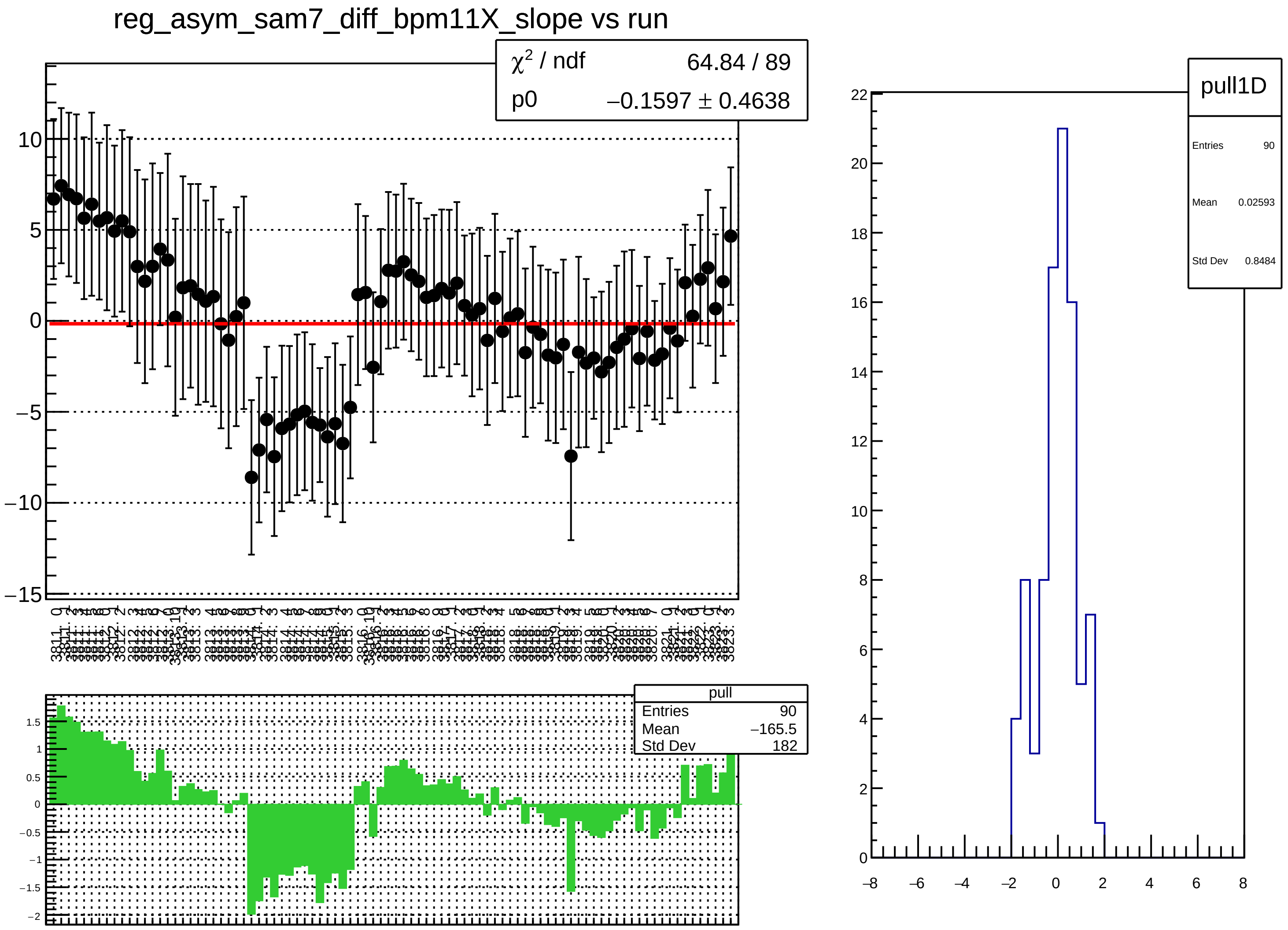

pull1D
Entries 90
Mean 1.812
Std Dev 1.108



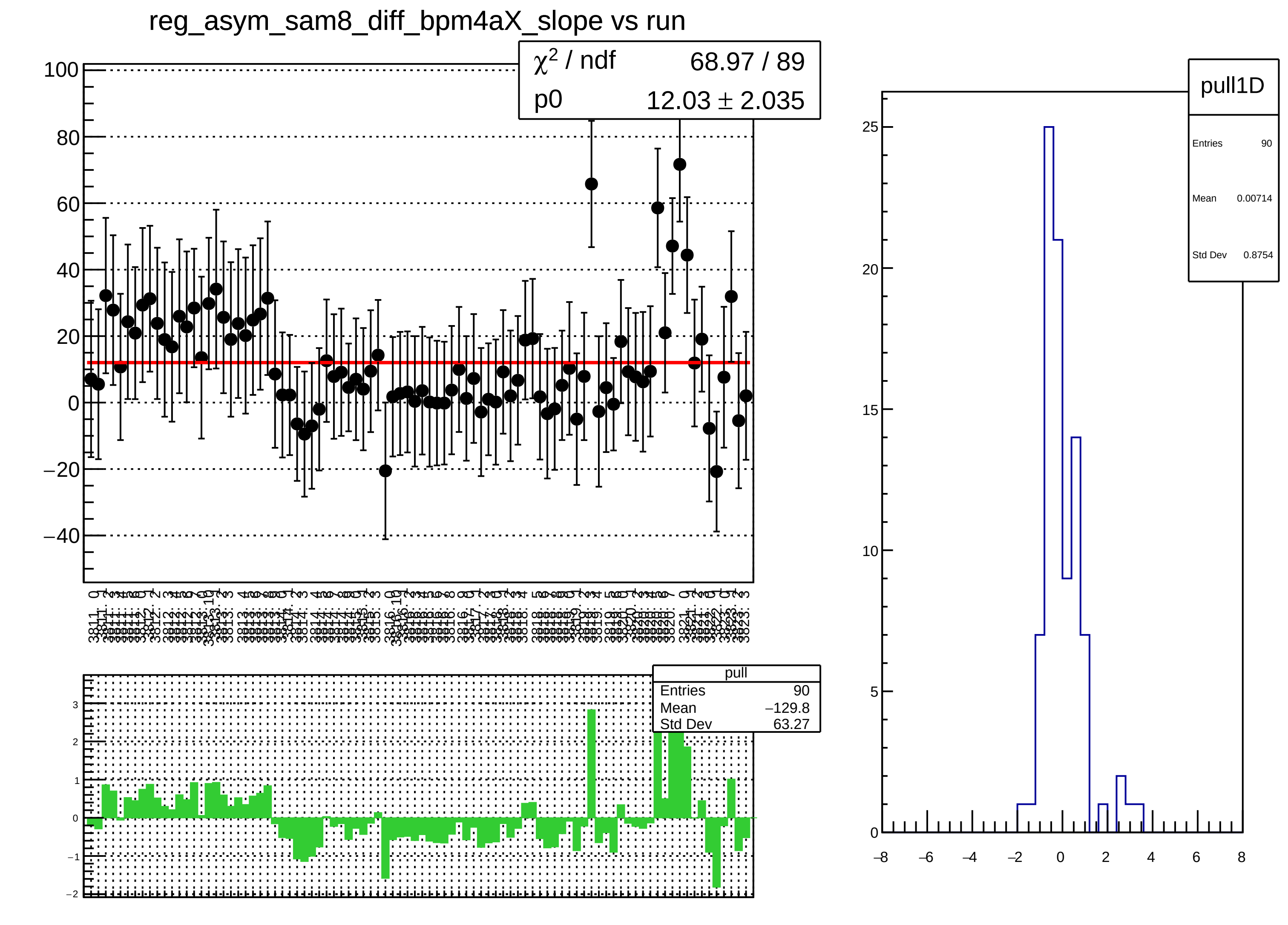
reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 568.6 / 89
p0 161.9 ± 0.3269
pull
Entries 90
Mean 421.9
Std Dev 370.9
pull1D
Entries 90
Mean −0.02039
Std Dev 2.381



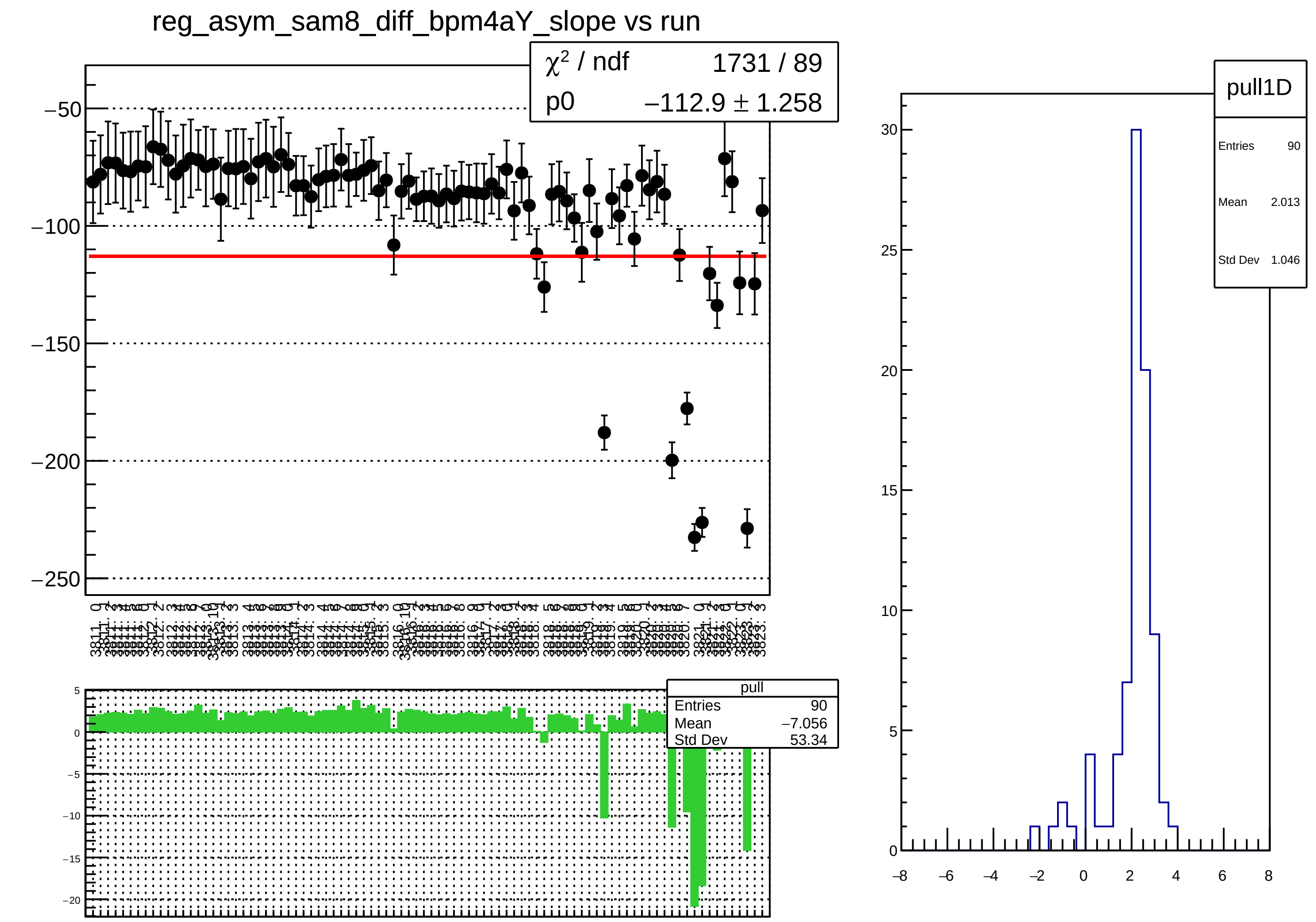
reg_asym_sam7_diff_bpm4eY_slope vs run
χ2 / ndf 2289 / 89
p0 32.67 ± 1.76
pull
Entries 90
Mean 1.515
Std Dev 46.53
pull1D
Entries 90
Mean −2.374
Std Dev 1.374

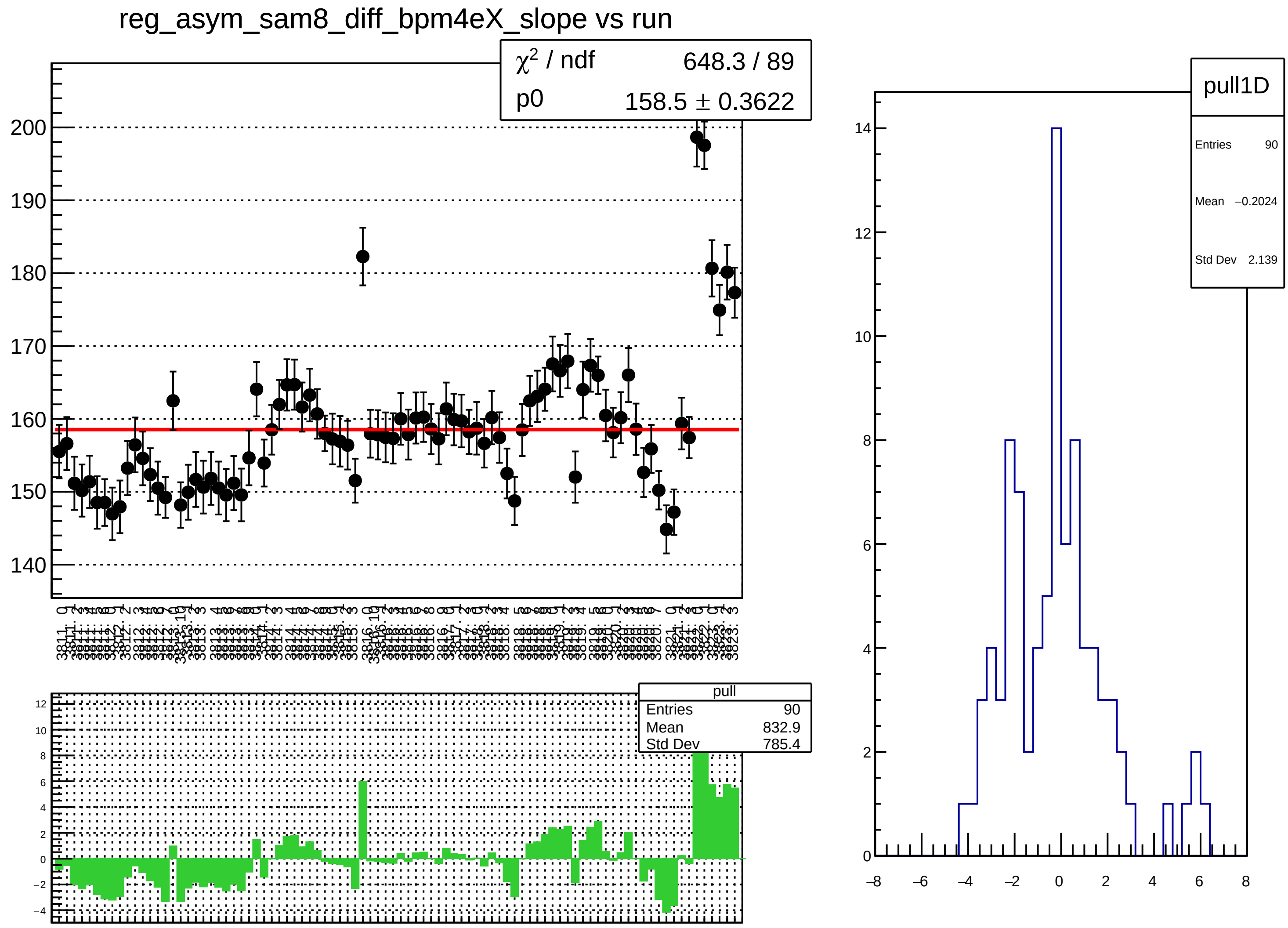


reg_asym_sam7_diff_bpm11X_slope vs run
χ^2 / ndf 64.84 / 89
p0 −0.1597 ± 0.4638
pull
Entries 90
Mean −165.5
Std Dev 182
pull1D
Entries 90
Mean 0.02593
Std Dev 0.8484

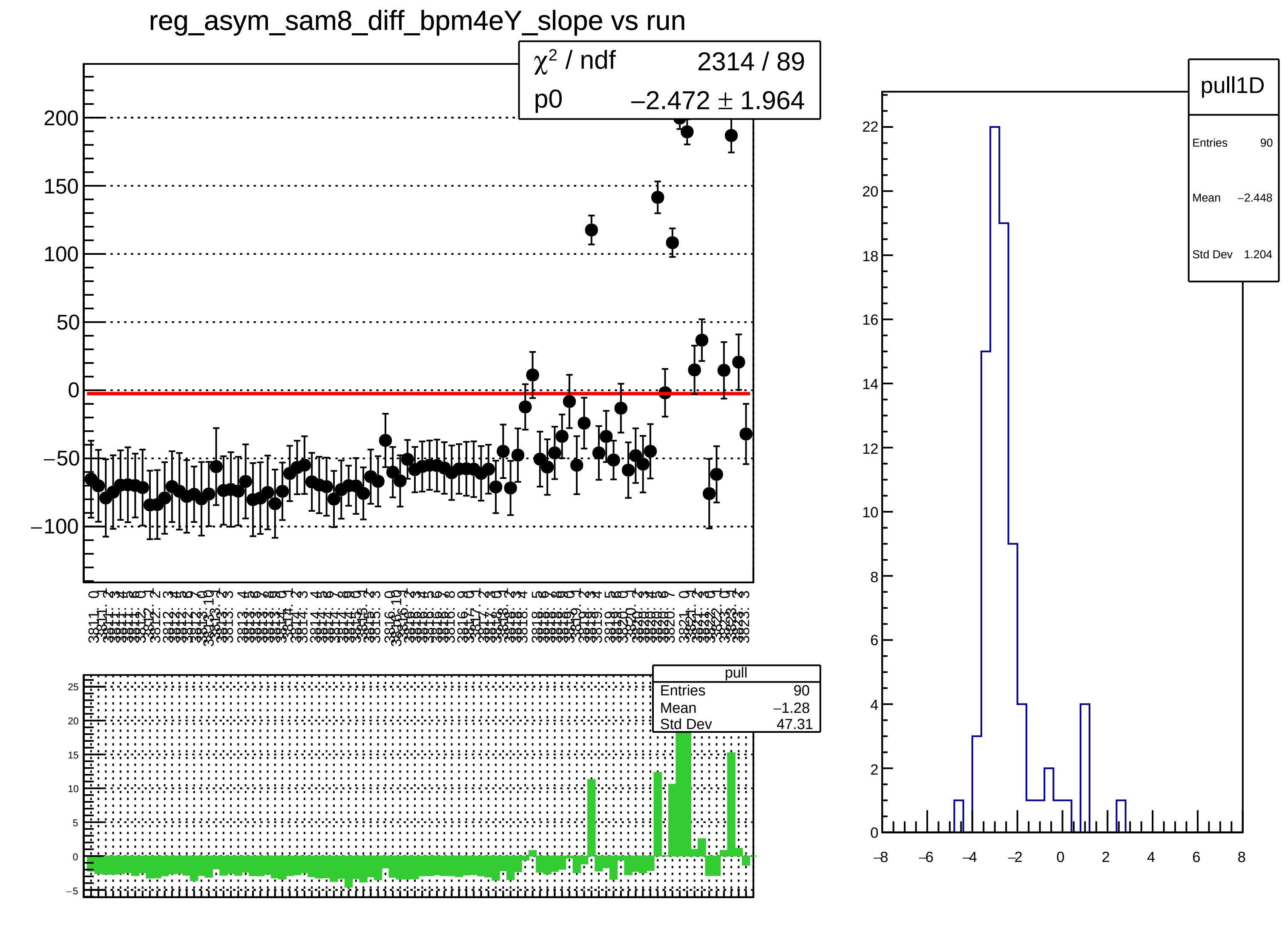


reg_asym_sam8_diff_bpm4aX_slope vs run
χ^2 / ndf 68.97 / 89
p0 12.03 ± 2.035
pull
Entries 90
Mean −129.8
Std Dev 63.27
pull1D
Entries 90
Mean 0.00714
Std Dev 0.8754

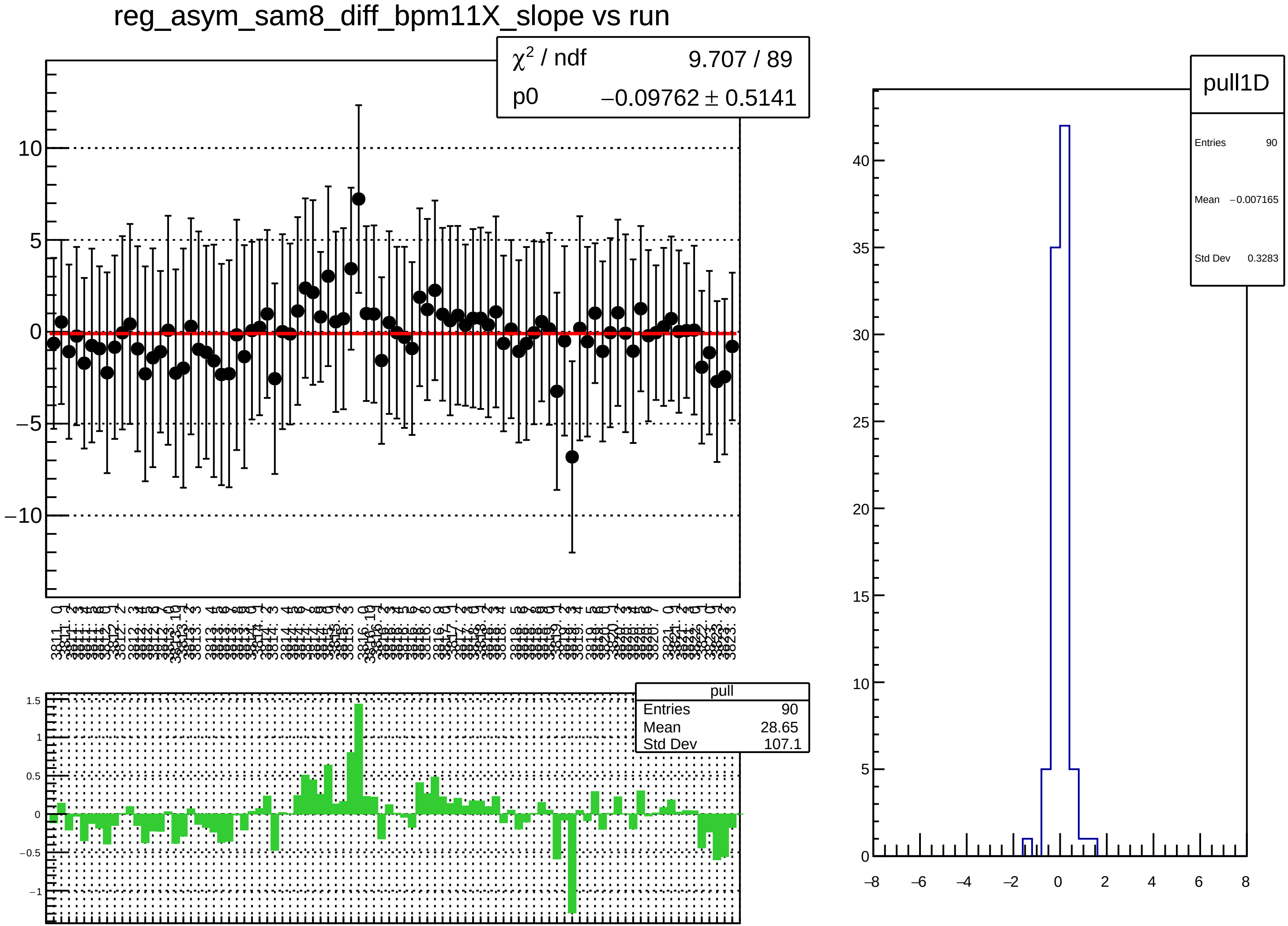

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1731 / 89
p0 −112.9 ± 1.258
pull
Entries 90
Mean −7.056
Std Dev 53.34
pull1D
Entries 90
Mean 2.013
Std Dev 1.046



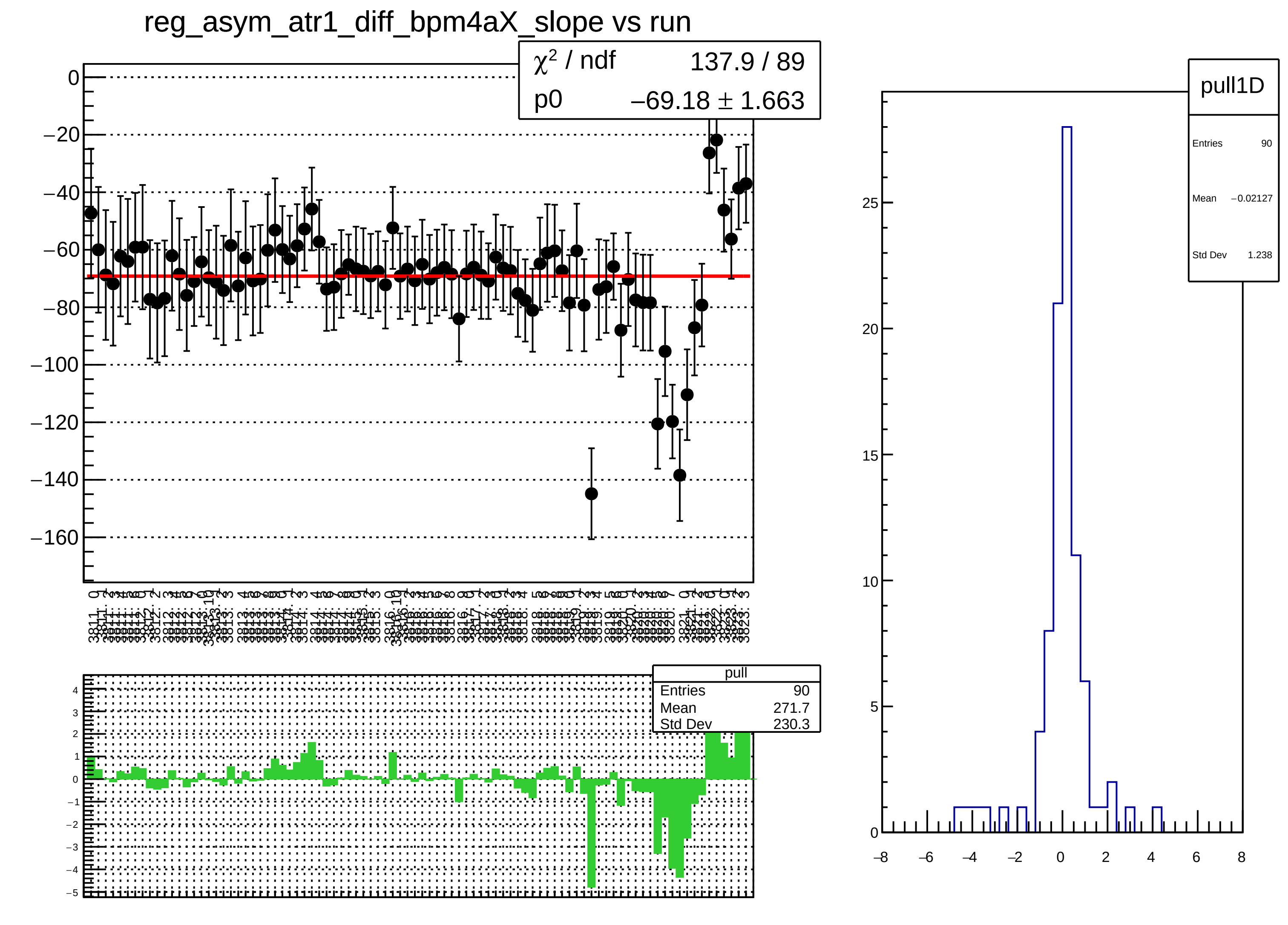
reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 648.3 / 89
p0 158.5 ± 0.3622
pull
Entries 90
Mean 832.9
Std Dev 785.4
pull1D
Entries 90
Mean −0.2024
Std Dev 2.139



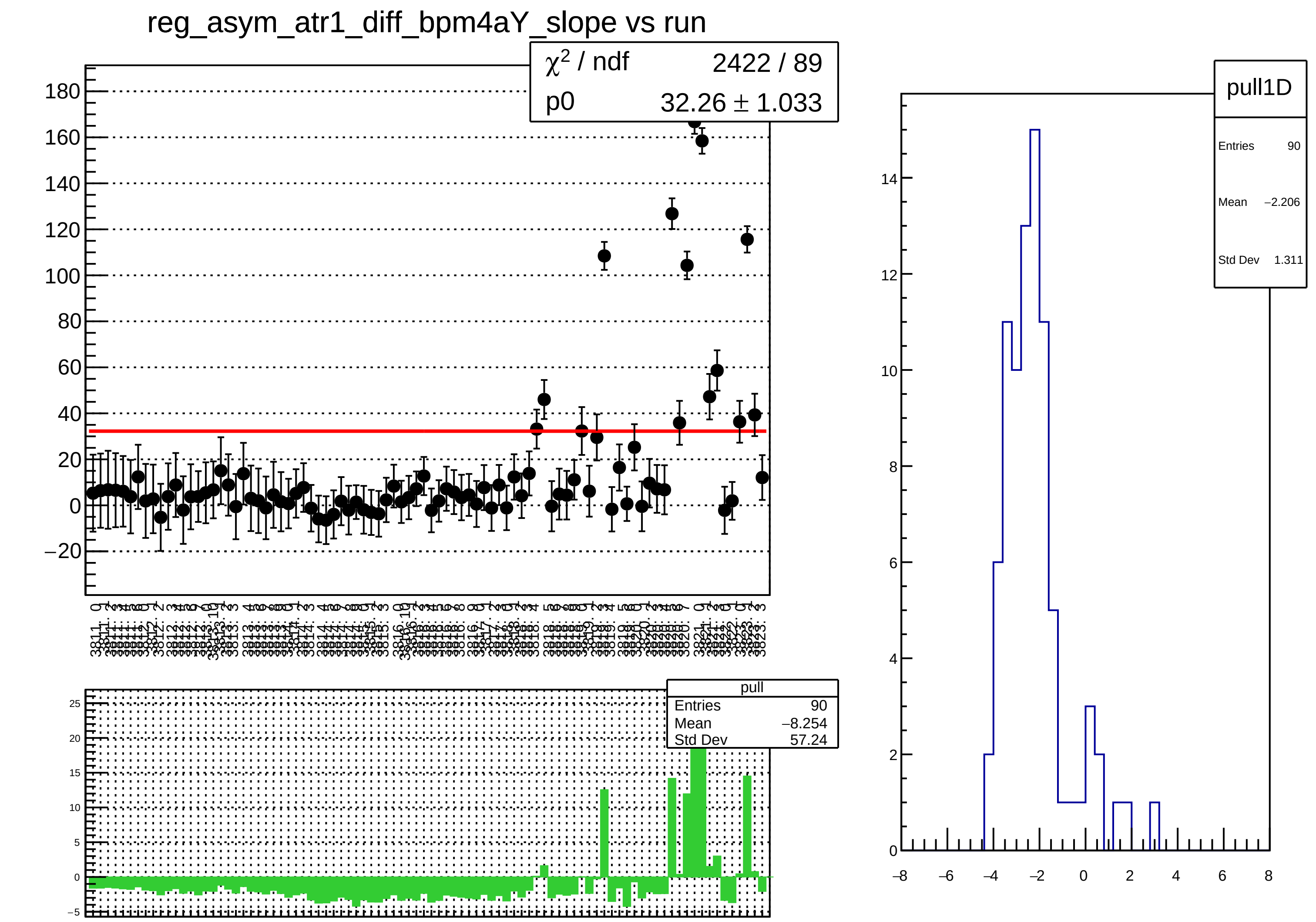
reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 2314 / 89
p0 −2.472 ± 1.964
pull
Entries 90
Mean −1.28
Std Dev 47.31
pull1D
Entries 90
Mean −2.448
Std Dev 1.204



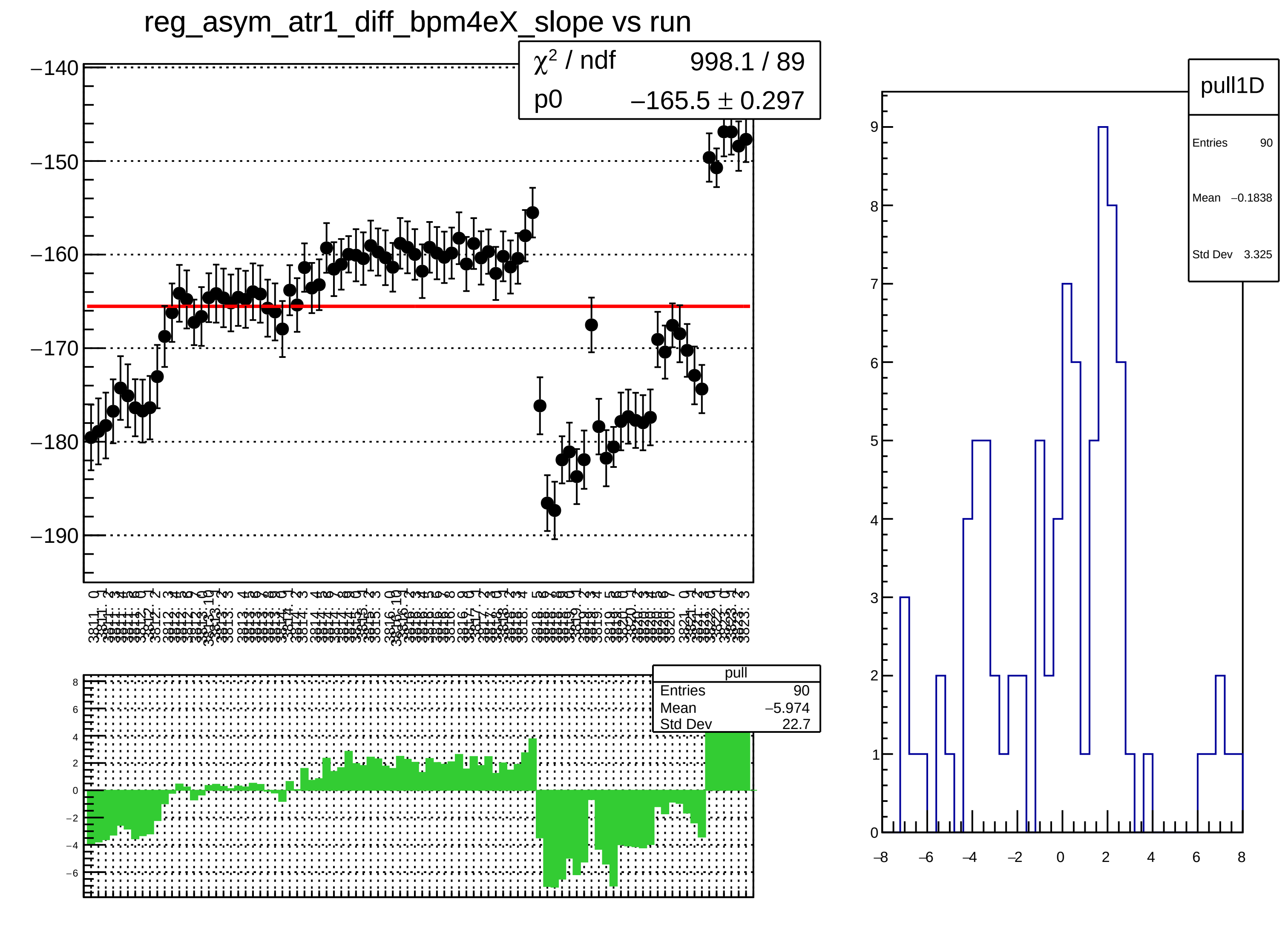
reg_asym_sam8_diff_bpm11X_slope vs run
χ^2 / ndf 9.707 / 89
p0 −0.09762 ± 0.5141
pull
Entries 90
Mean 28.65
Std Dev 107.1
pull1D
Entries 90
Mean −0.007165
Std Dev 0.3283



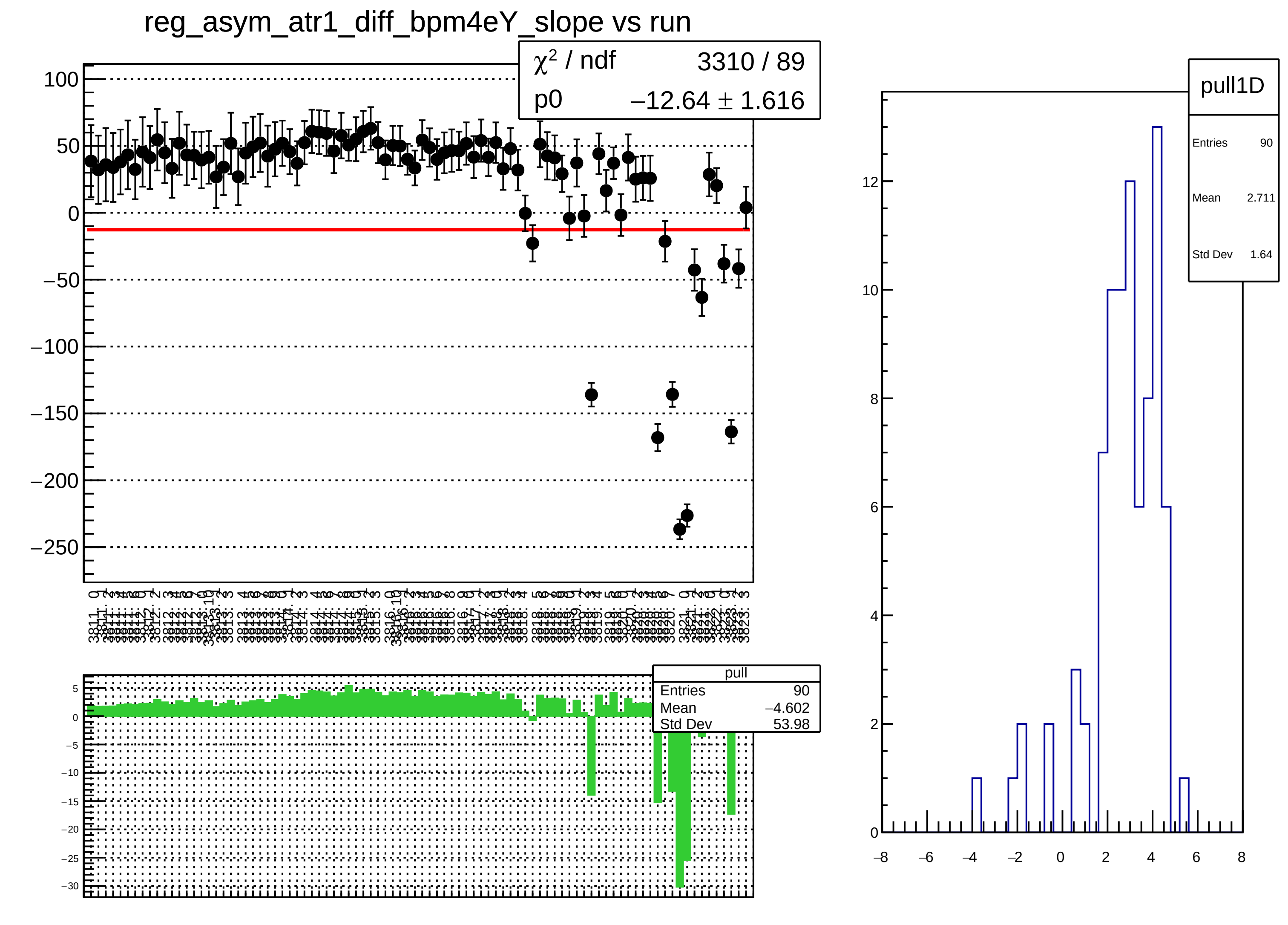
reg_asym_atr1_diff_bpm4aX_slope vs run
χ2 / ndf 137.9 / 89
p0 −69.18 ± 1.663
pull
Entries 90
Mean 271.7
Std Dev 230.3
pull1D
Entries 90
Mean −0.02127
Std Dev 1.238



reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 2422 / 89
p0 32.26 ± 1.033
pull
Entries 90
Mean −8.254
Std Dev 57.24
pull1D
Entries 90
Mean −2.206
Std Dev 1.311

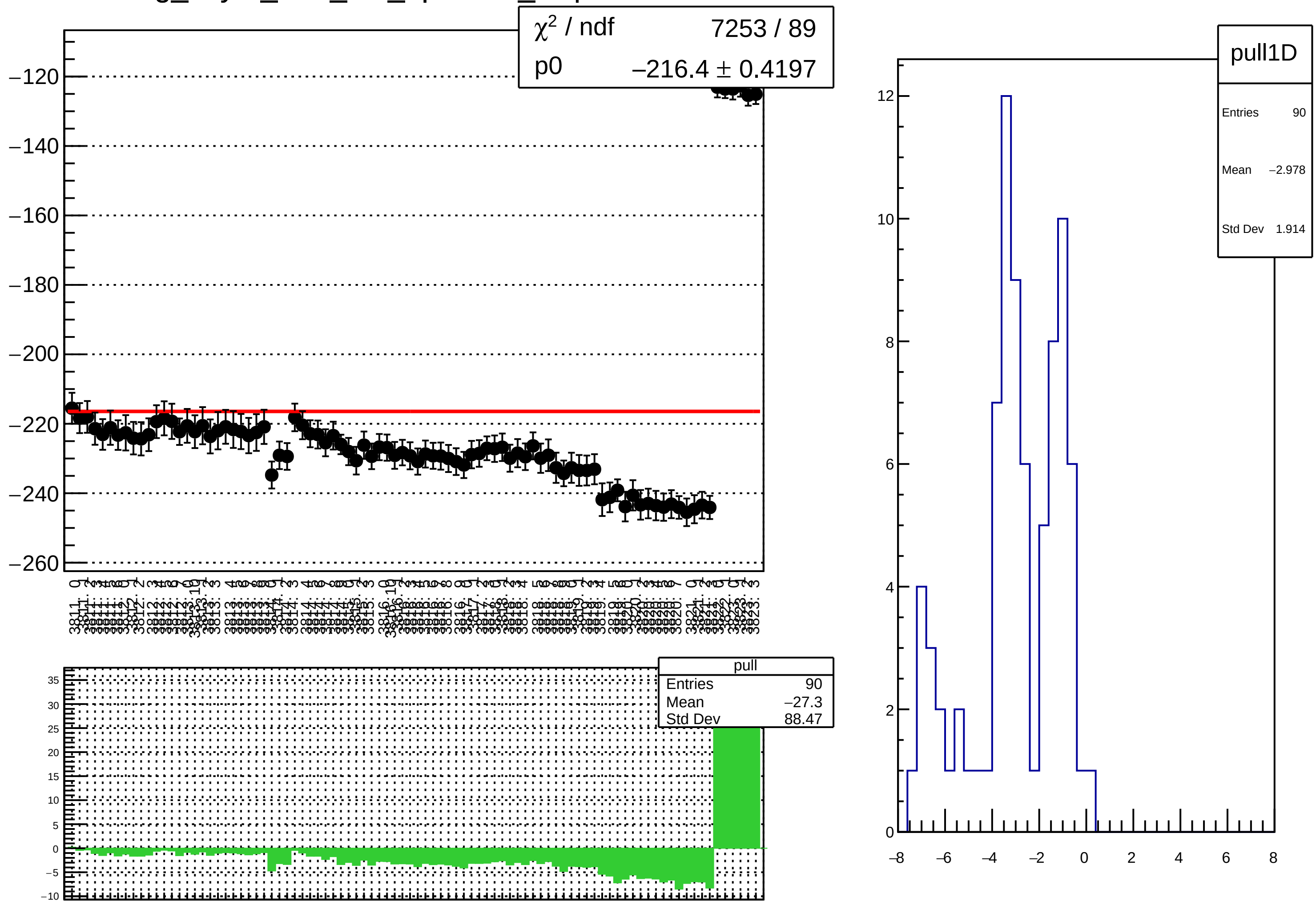


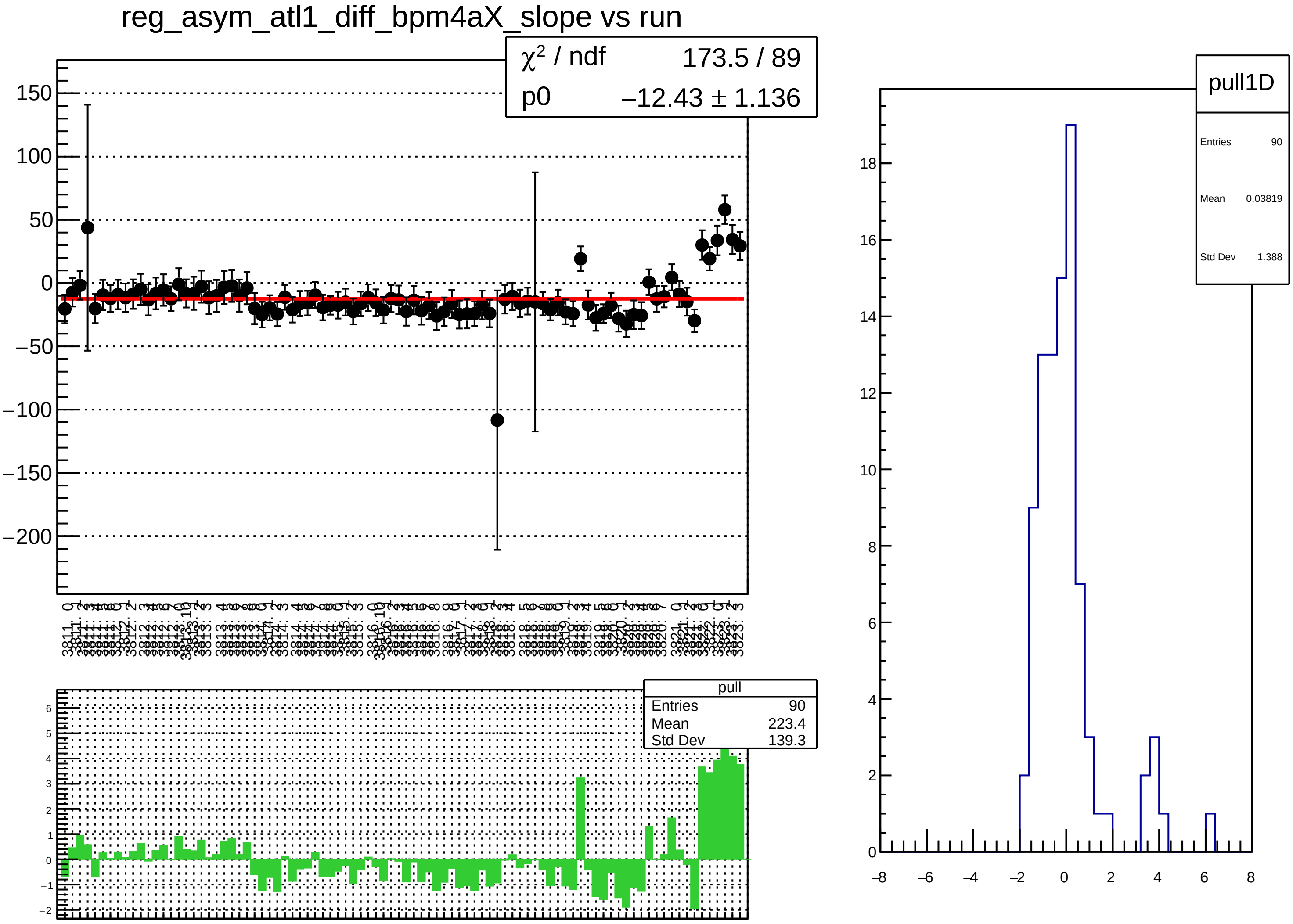
reg_asym_atr1_diff_bpm4eX_slope vs run
χ2 / ndf 998.1 / 89
p0 −165.5 ± 0.297
pull
Entries 90
Mean −5.974
Std Dev 22.7
pull1D
Entries 90
Mean −0.1838
Std Dev 3.325



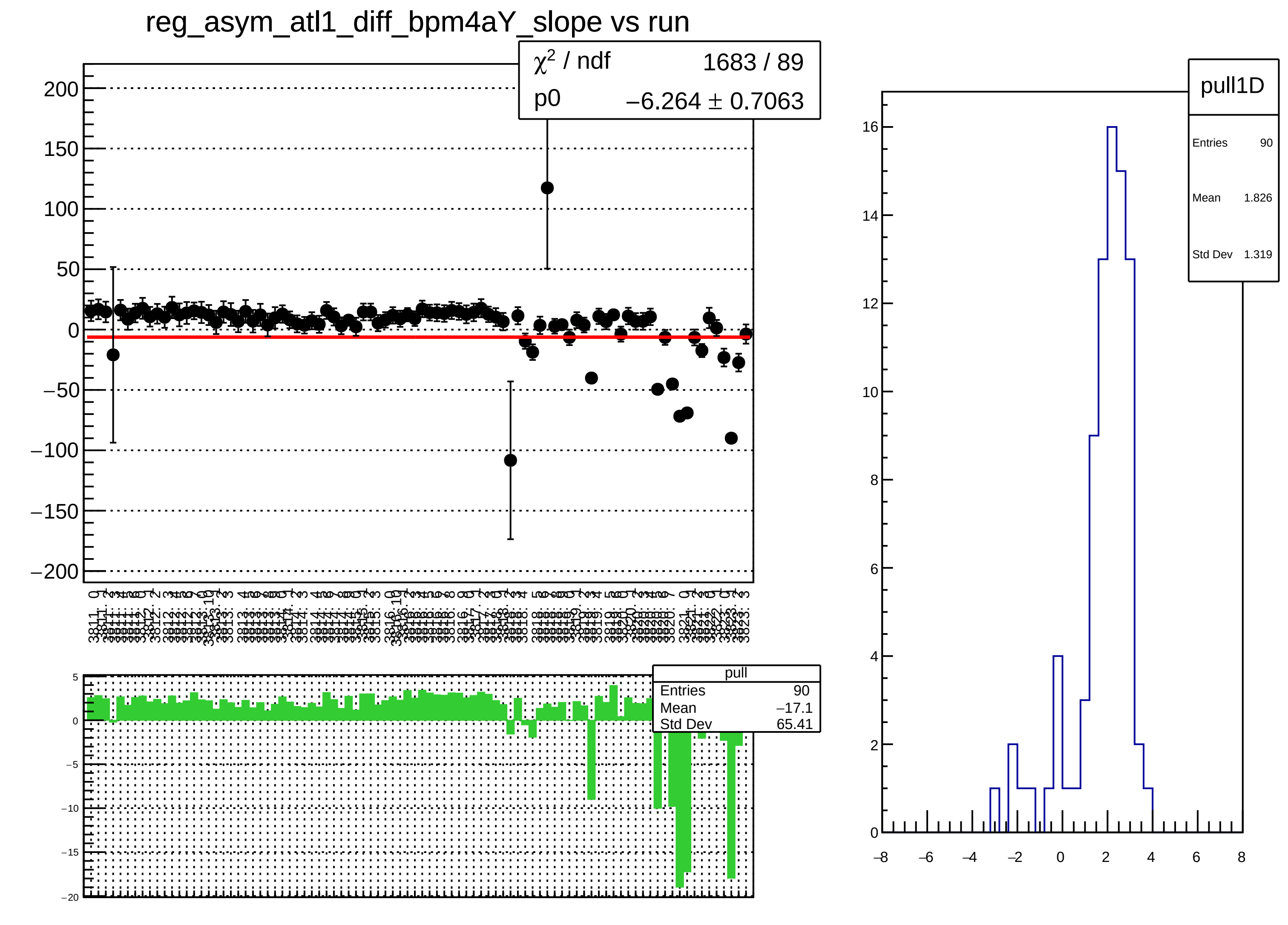
reg_asym_atr1_diff_bpm4eY_slope vs run
χ2 / ndf 3310 / 89
p0 −12.64 ± 1.616
pull
Entries 90
Mean −4.602
Std Dev 53.98
pull1D
Entries 90
Mean 2.711
Std Dev 1.64

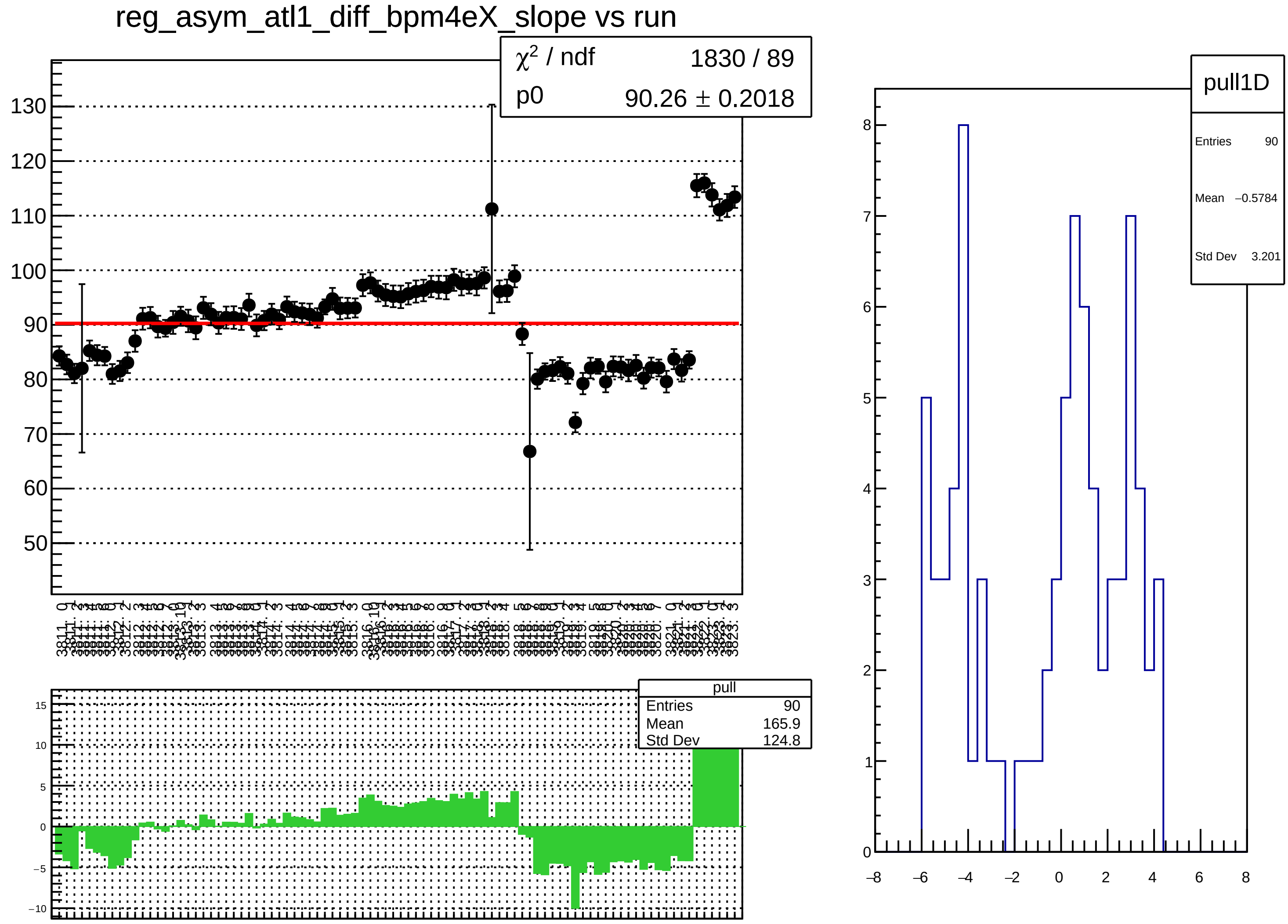
reg_asym_atr1_diff_bpm11X_slope vs run



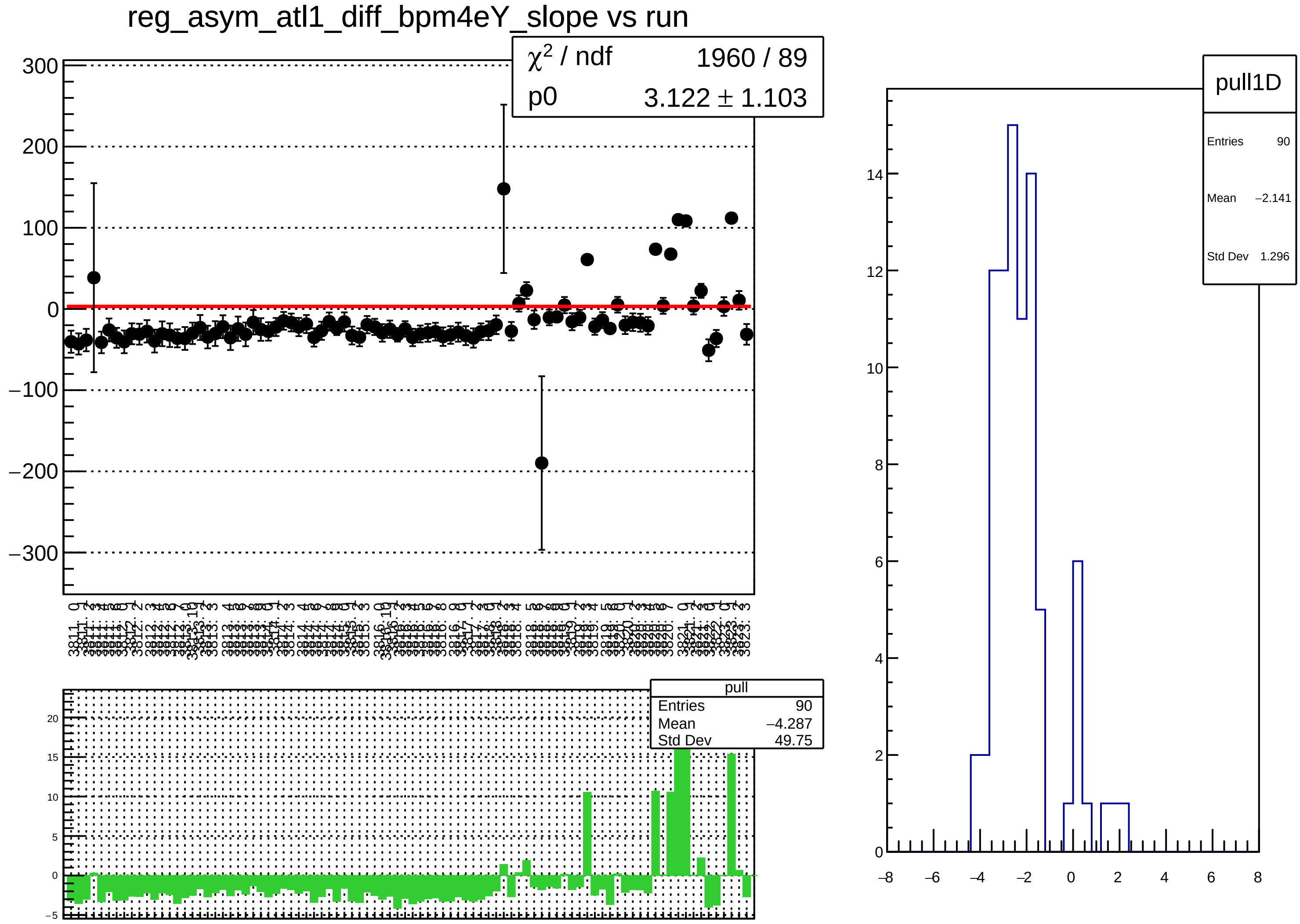


reg_asym_atl1_diff_bpm4aX_slope vs run
χ^2 / ndf 173.5 / 89
p0 −12.43 ± 1.136
pull
Entries 90
Mean 223.4
Std Dev 139.3
pull1D
Entries 90
Mean 0.03819
Std Dev 1.388

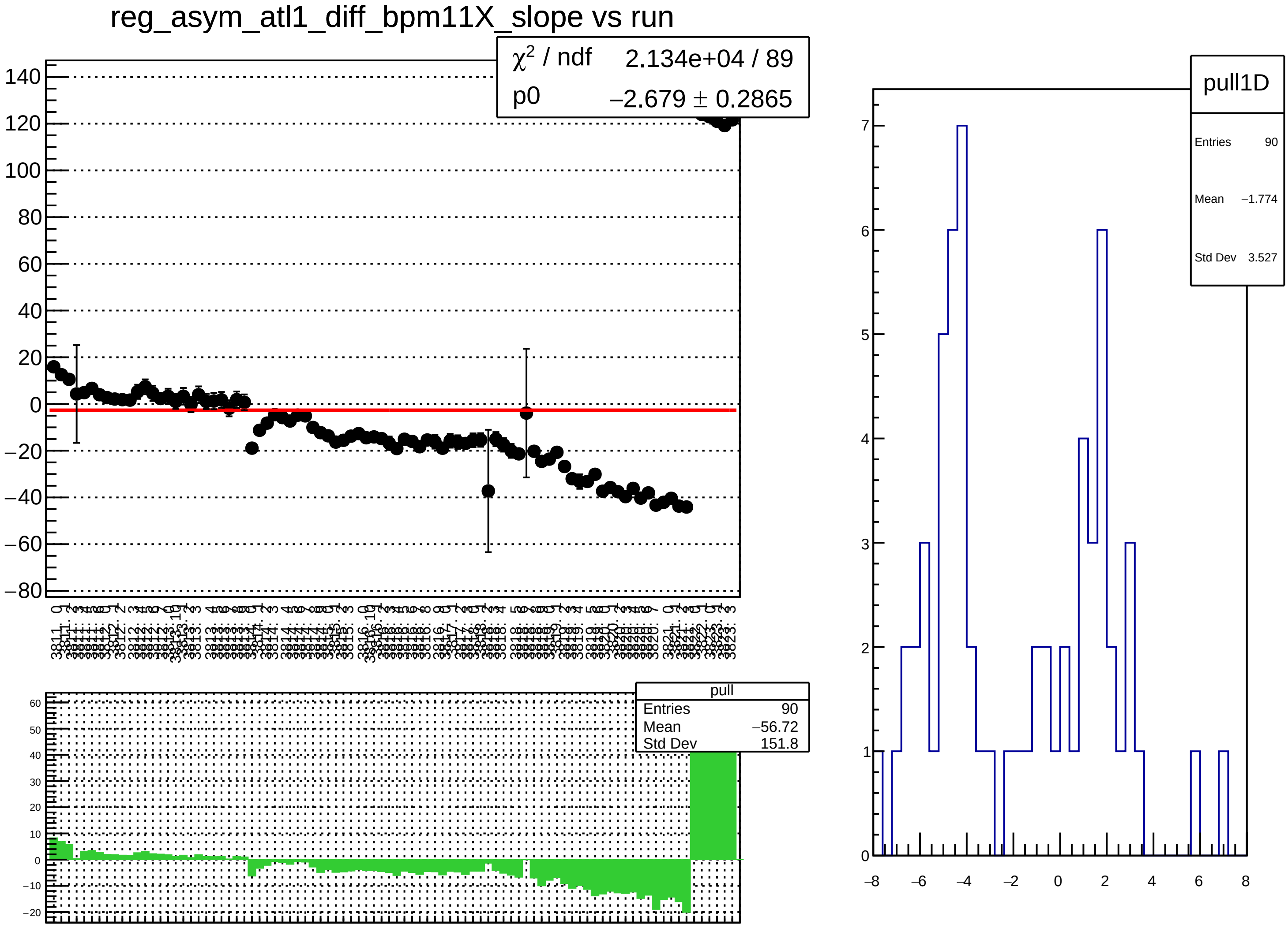

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 1683 / 89
p0 −6.264 ± 0.7063
pull
Entries 90
Mean −17.1
Std Dev 65.41
pull1D
Entries 90
Mean 1.826
Std Dev 1.319

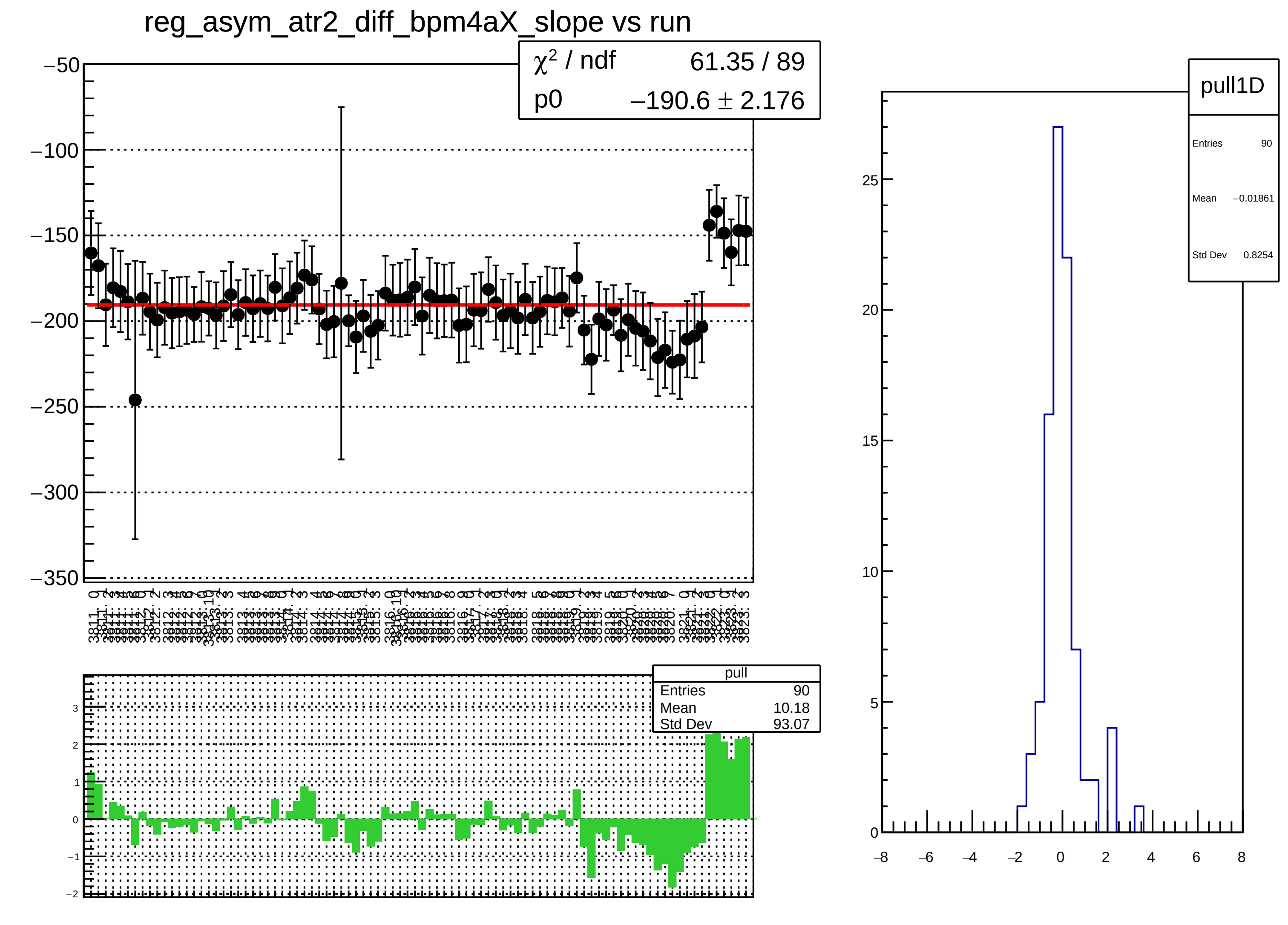


reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 1830 / 89
p0 90.26 ± 0.2018
pull
Entries 90
Mean 165.9
Std Dev 124.8
pull1D
Entries 90
Mean −0.5784
Std Dev 3.201

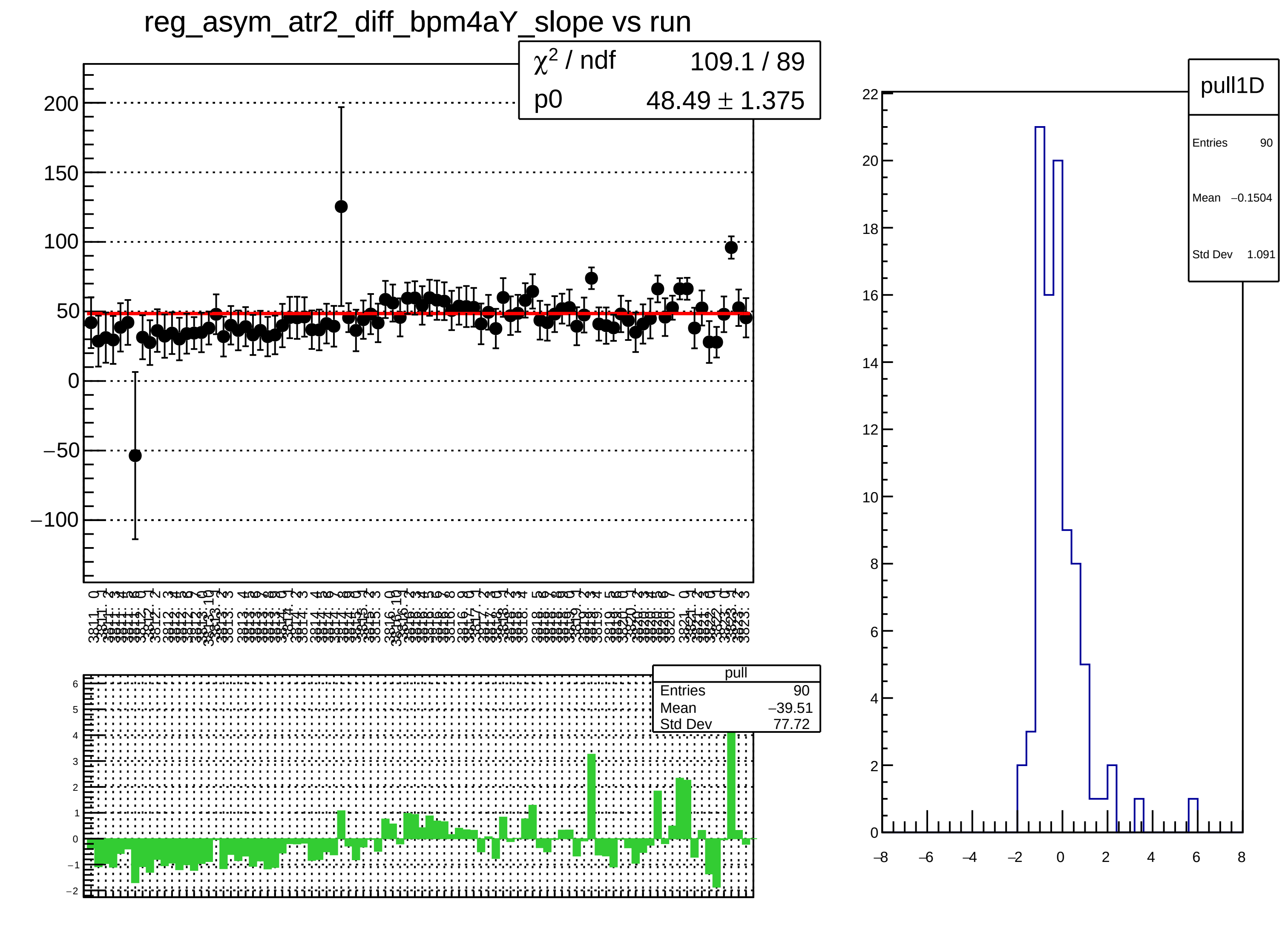


reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 1960 / 89
p0 3.122 ± 1.103
pull
Entries 90
Mean −4.287
Std Dev 49.75
pull1D
Entries 90
Mean −2.141
Std Dev 1.296

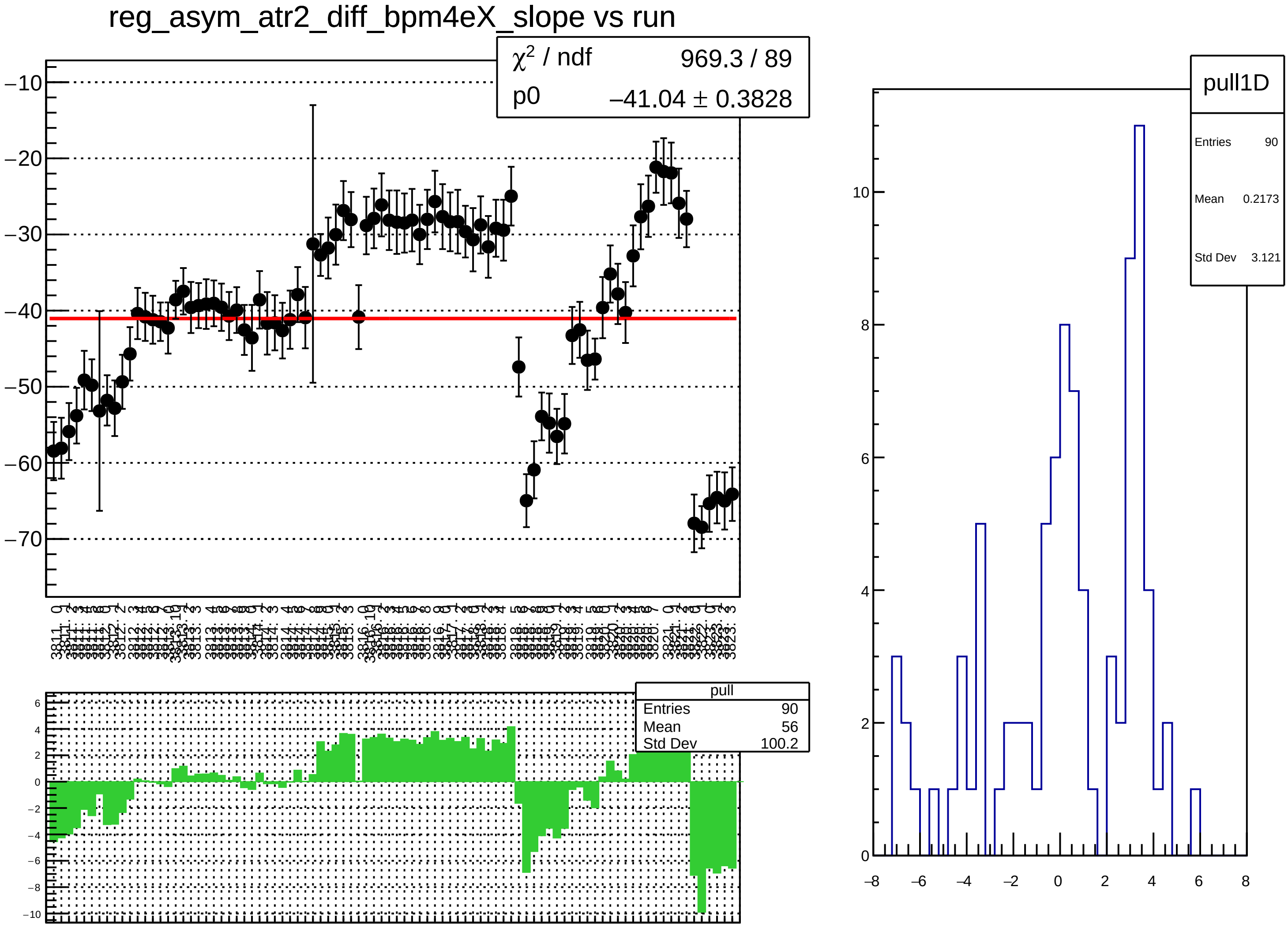

reg_asym_atl1_diff_bpm11X_slope vs run
χ^2 / ndf 2.134e+04 / 89
p0 −2.679 ± 0.2865
pull
Entries 90
Mean −56.72
Std Dev 151.8
pull1D
Entries 90
Mean −1.774
Std Dev 3.527

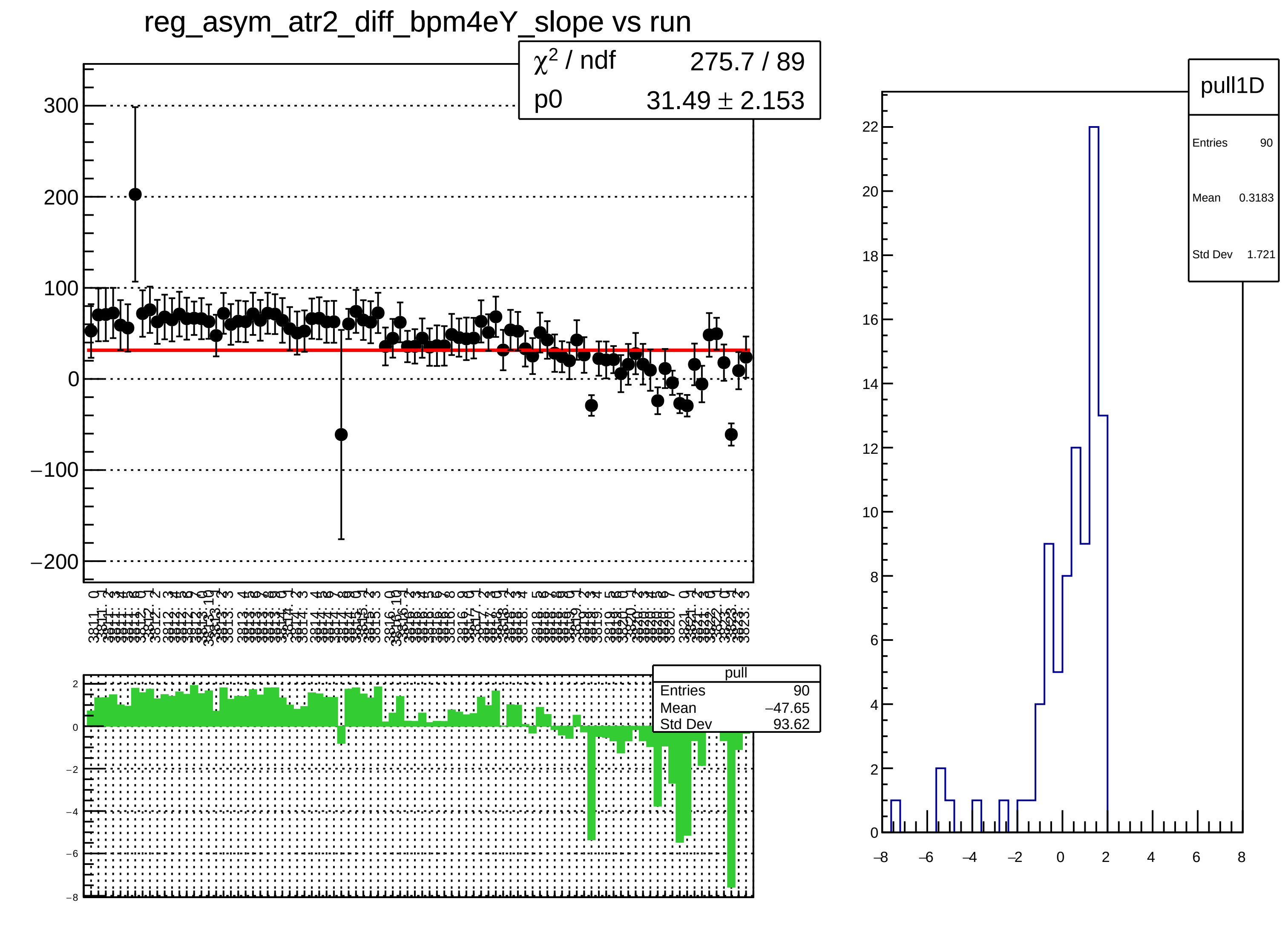


reg_asym_atr2_diff_bpm4aX_slope vs run
χ^2 / ndf 61.35 / 89
p0 −190.6 ± 2.176
pull
Entries 90
Mean 10.18
Std Dev 93.07
pull1D
Entries 90
Mean −0.01861
Std Dev 0.8254



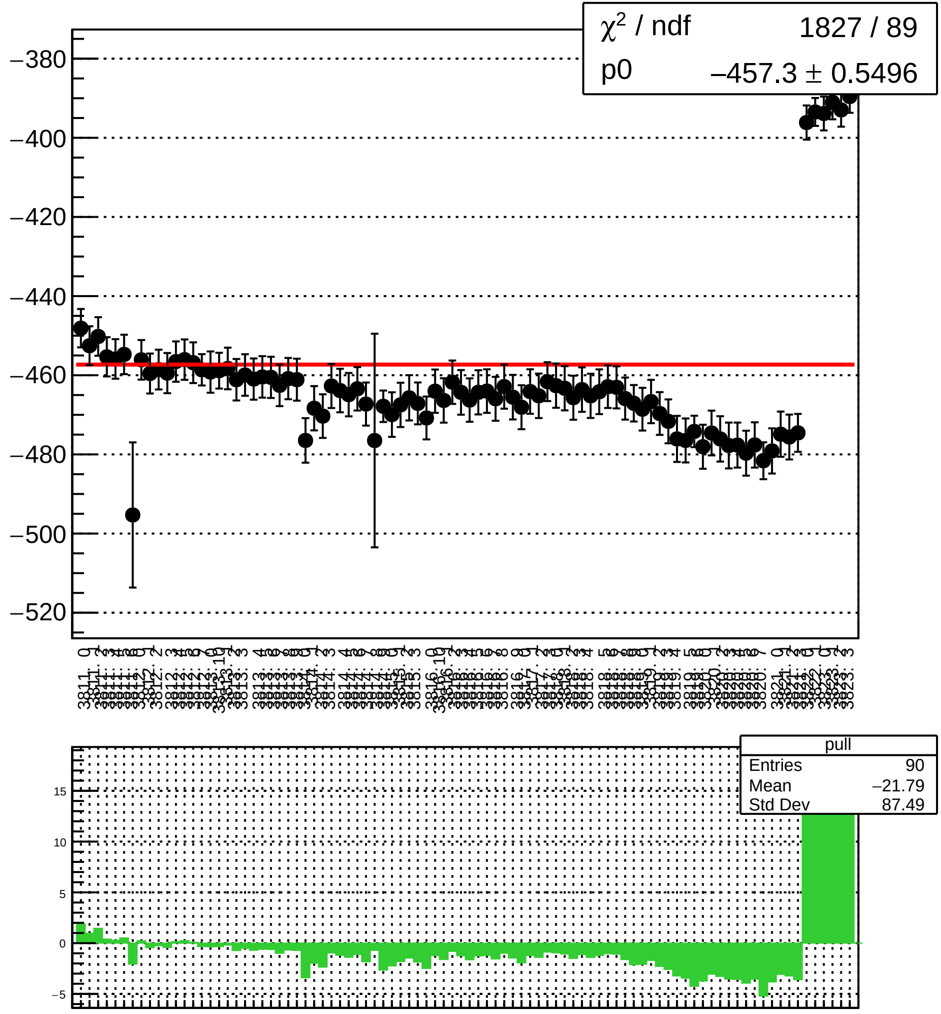
reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 109.1 / 89
p0 48.49 ± 1.375
pull
Entries 90
Mean −39.51
Std Dev 77.72
pull1D
Entries 90
Mean −0.1504
Std Dev 1.091

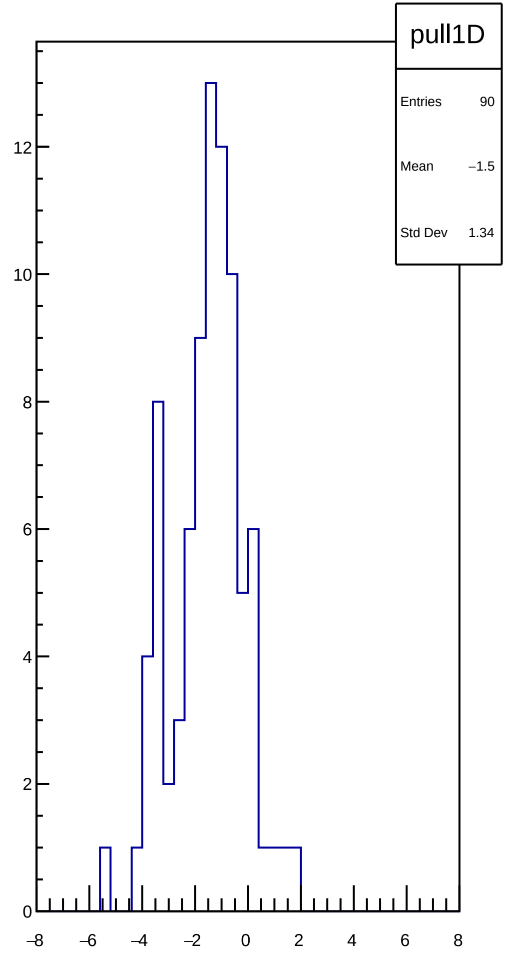

reg_asym_atr2_diff_bpm4eX_slope vs run
χ2 / ndf 969.3 / 89
p0 −41.04 ± 0.3828
−10
−20
−30
−40
−50
−60
−70
pull
Entries 90
Mean 56
Std Dev 100.2
6
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 90
Mean 0.2173
Std Dev 3.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

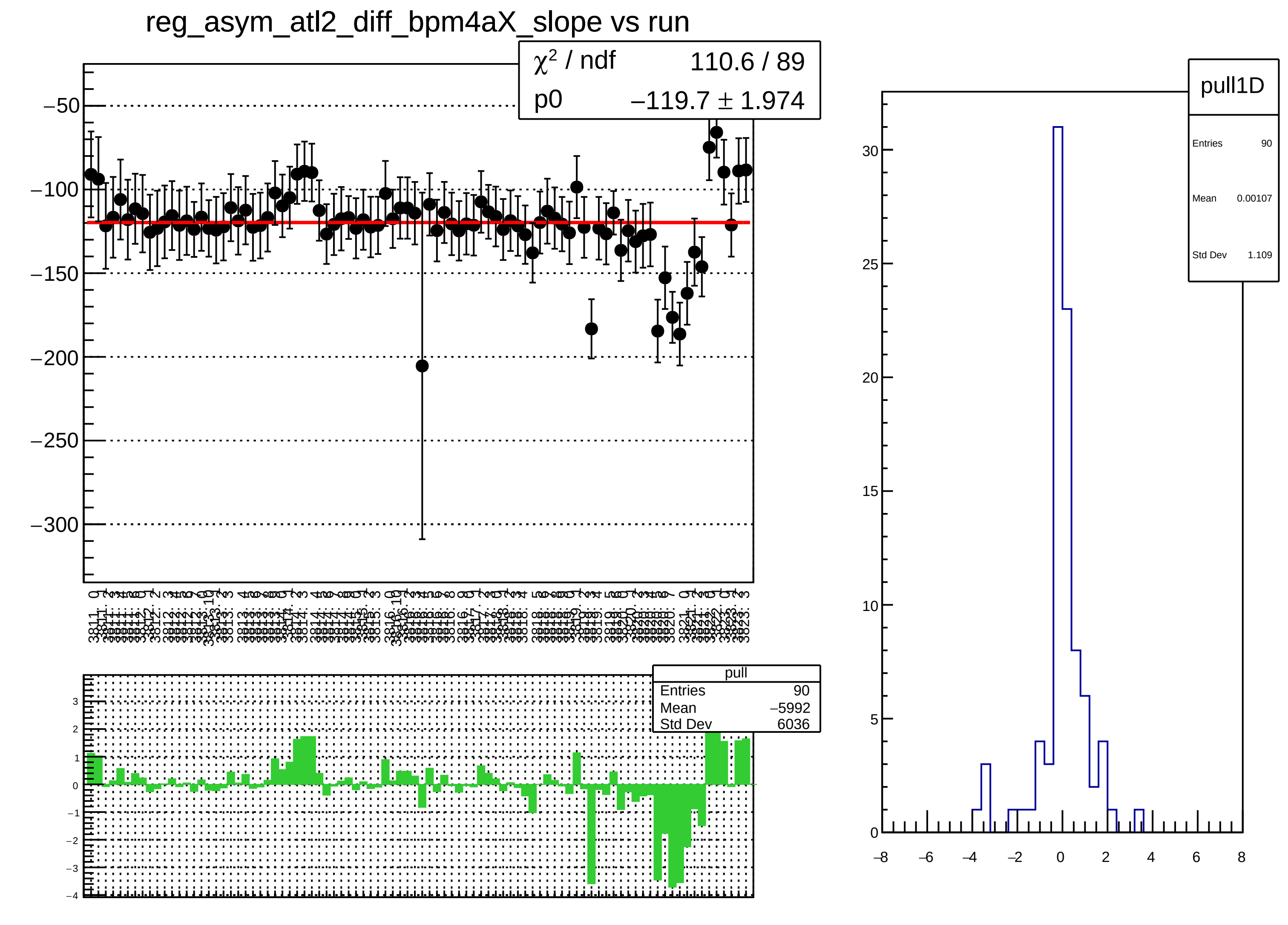


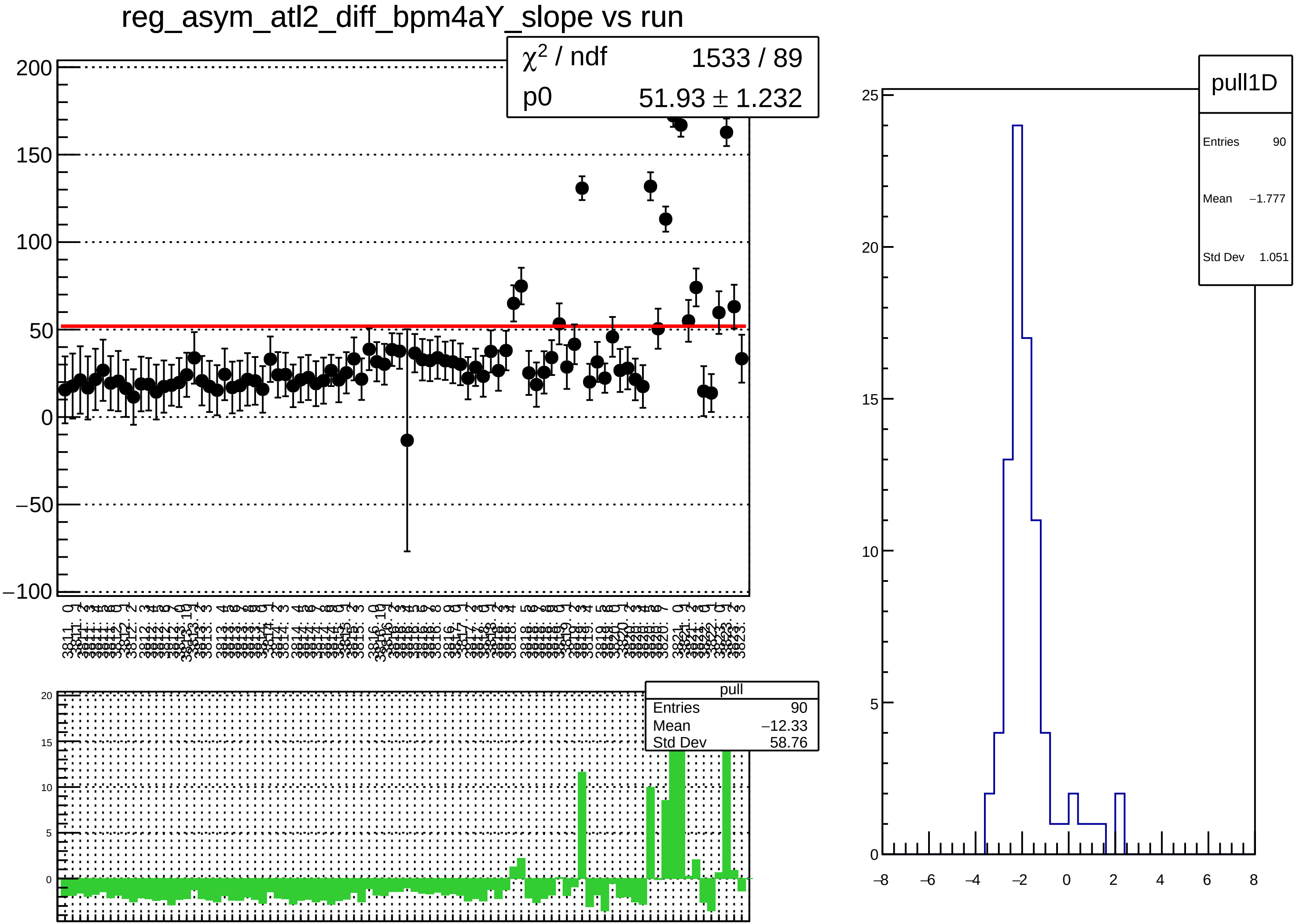
reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 275.7 / 89
p0 31.49 ± 2.153
pull
Entries 90
Mean −47.65
Std Dev 93.62
pull1D
Entries 90
Mean 0.3183
Std Dev 1.721

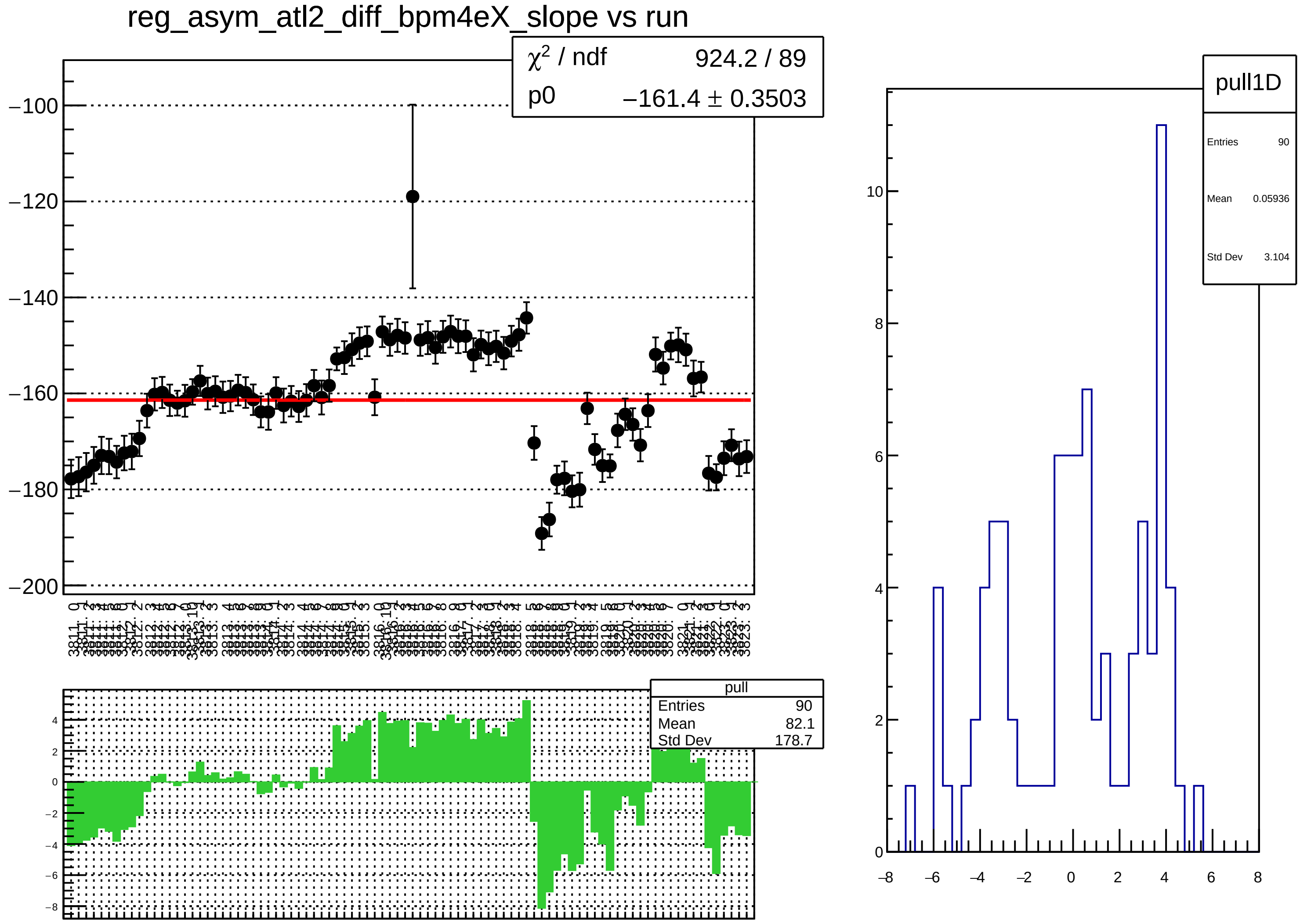
reg_asym_atr2_diff_bpm11X_slope vs run



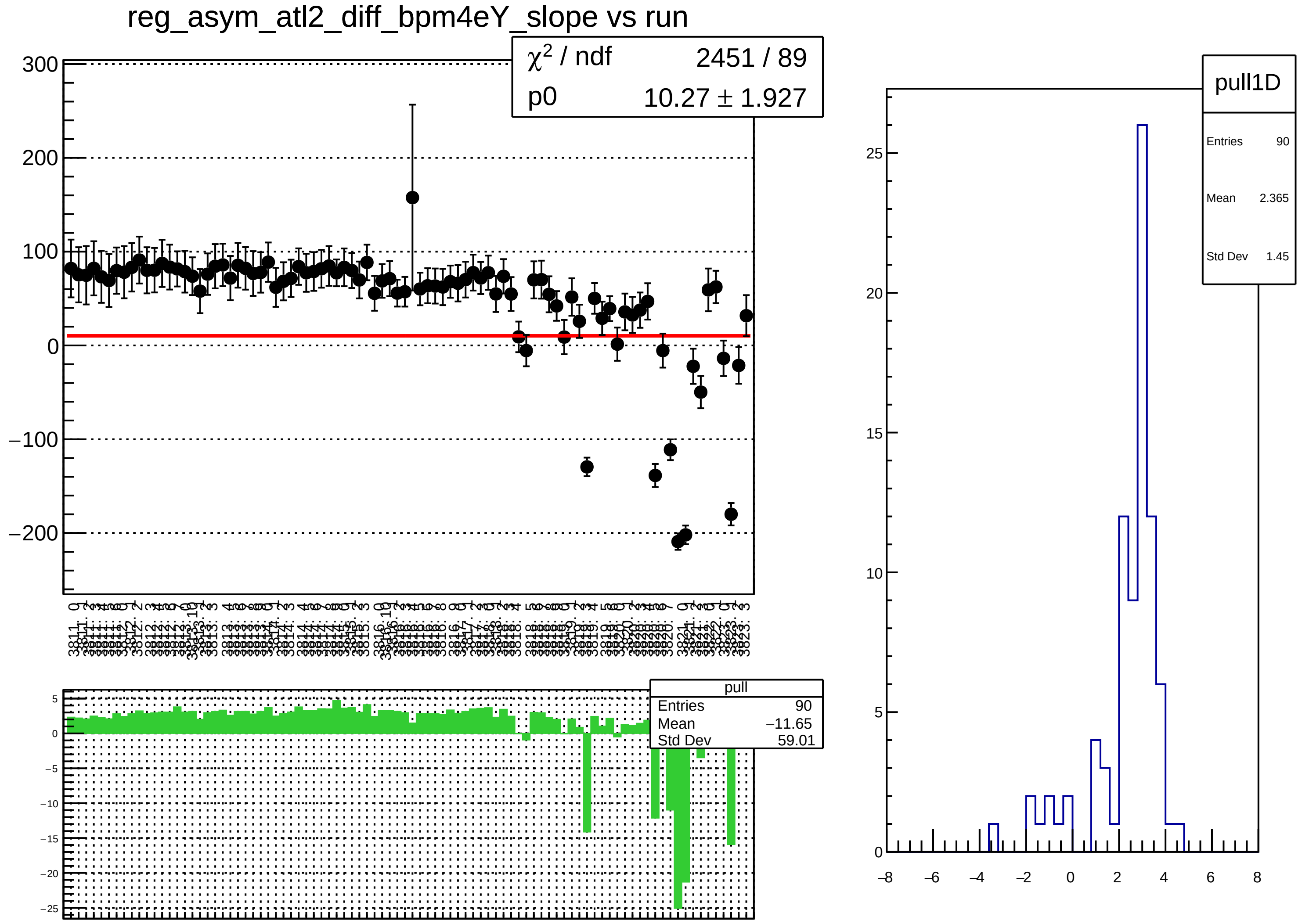


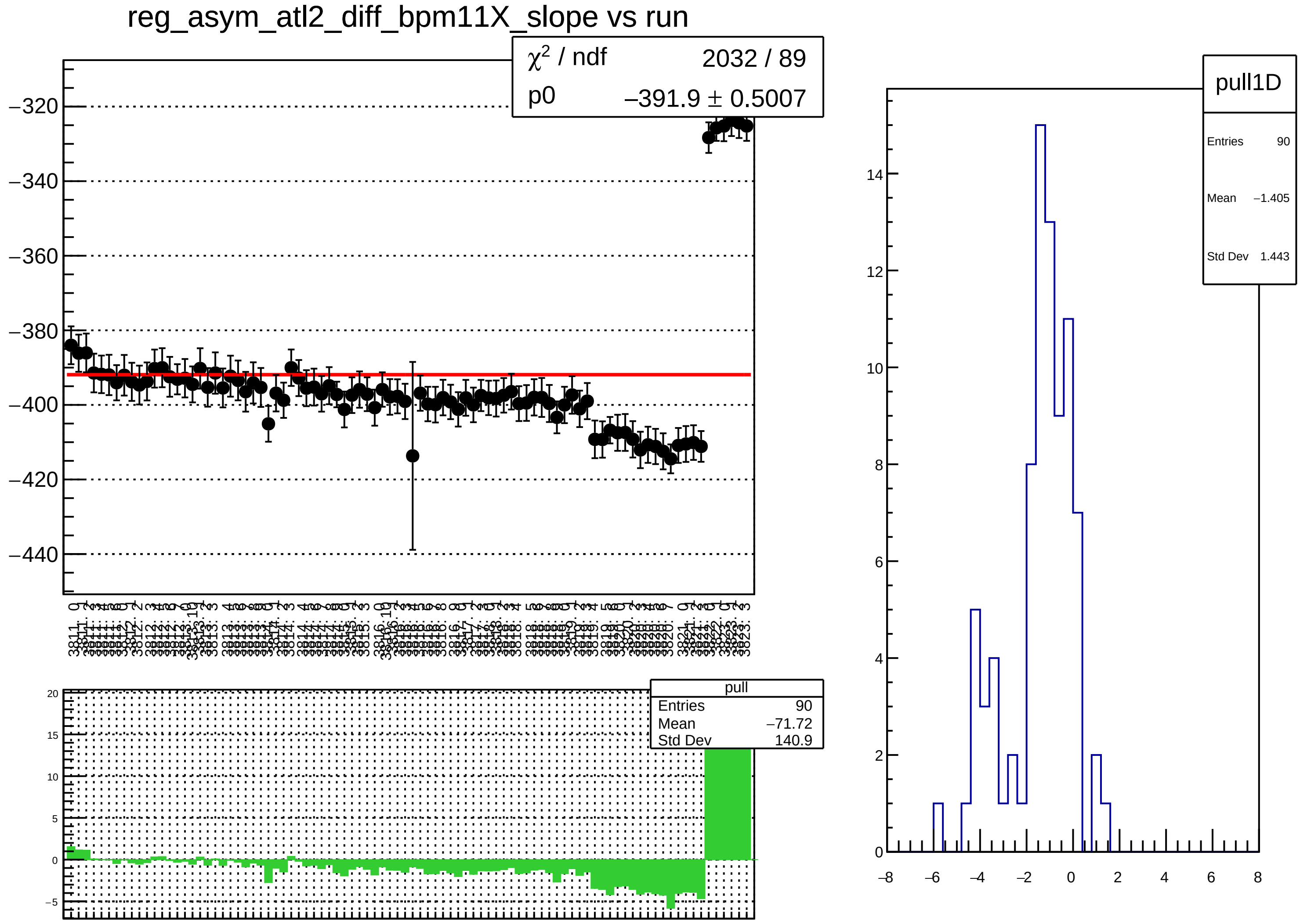

reg_asym_atl2_diff_bpm4aX_slope vs run
χ2 / ndf 110.6 / 89
p0 −119.7 ± 1.974
pull
Entries 90
Mean −5992
Std Dev 6036
pull1D
Entries 90
Mean 0.00107
Std Dev 1.109


reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 1533 / 89
p0 51.93 ± 1.232
pull
Entries 90
Mean −12.33
Std Dev 58.76
pull1D
Entries 90
Mean −1.777
Std Dev 1.051

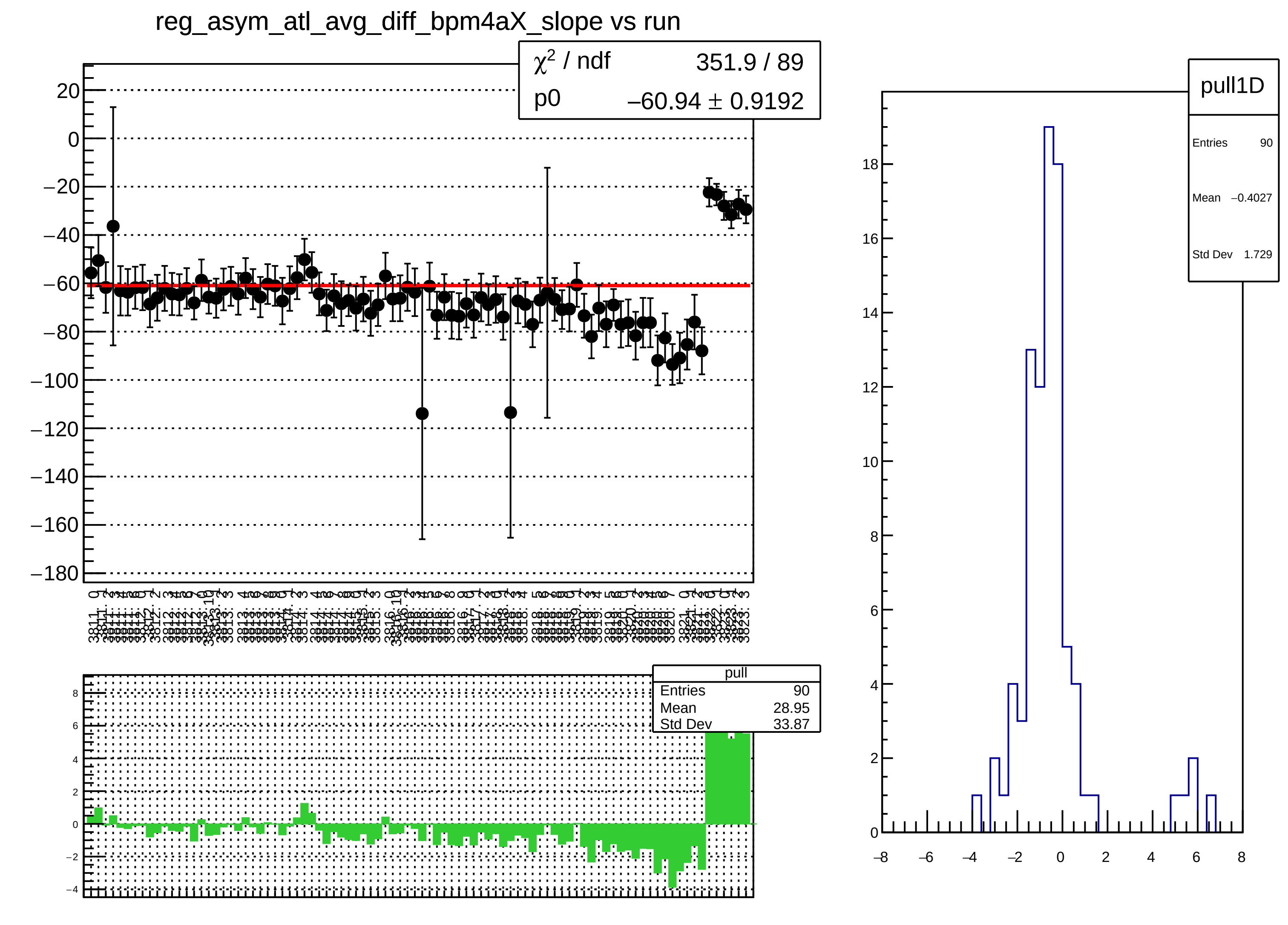


reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 924.2 / 89
p0 −161.4 ± 0.3503
pull
Entries 90
Mean 82.1
Std Dev 178.7
pull1D
Entries 90
Mean 0.05936
Std Dev 3.104

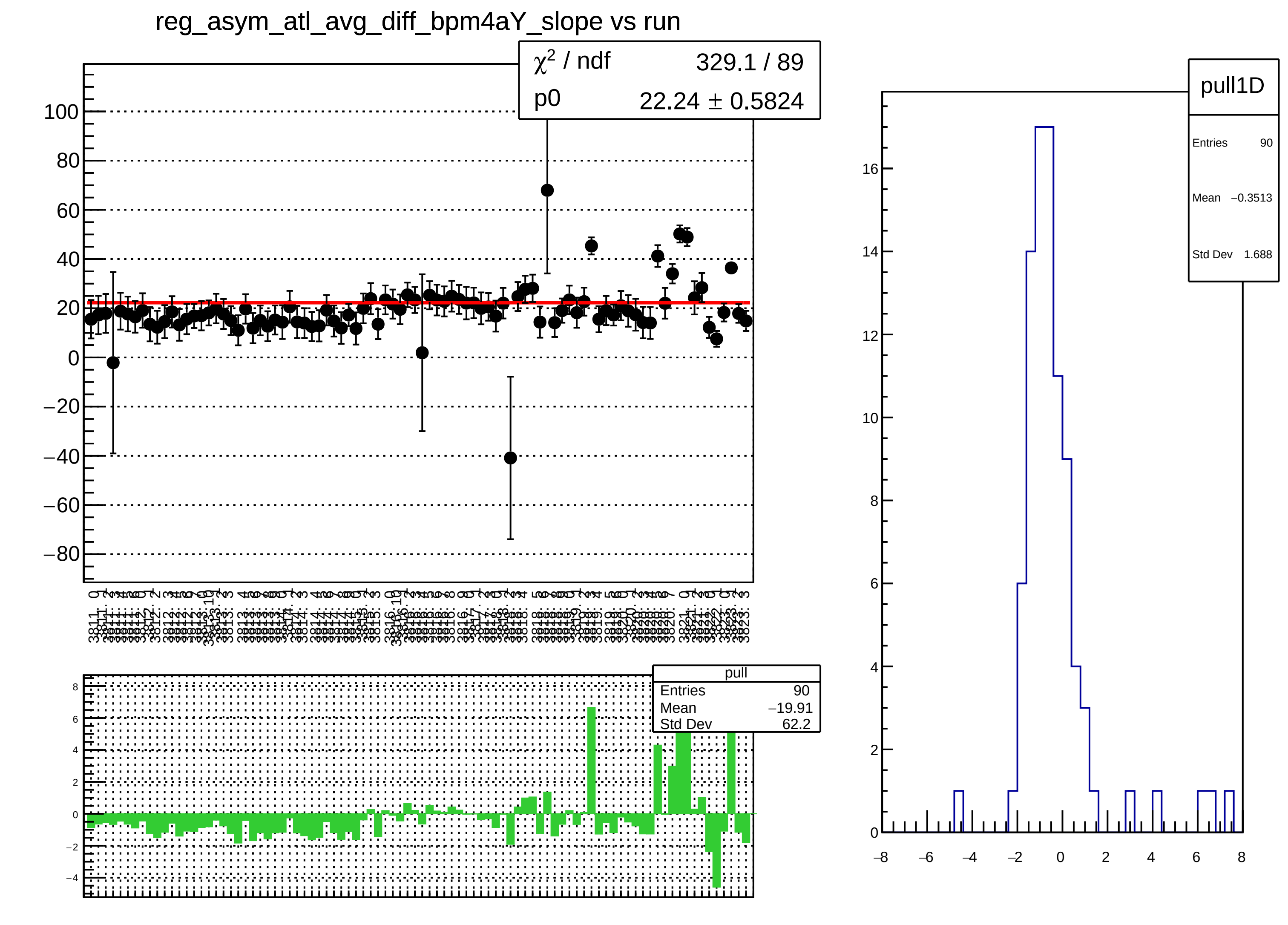

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 2451 / 89
p0 10.27 ± 1.927
pull
Entries 90
Mean −11.65
Std Dev 59.01
pull1D
Entries 90
Mean 2.365
Std Dev 1.45



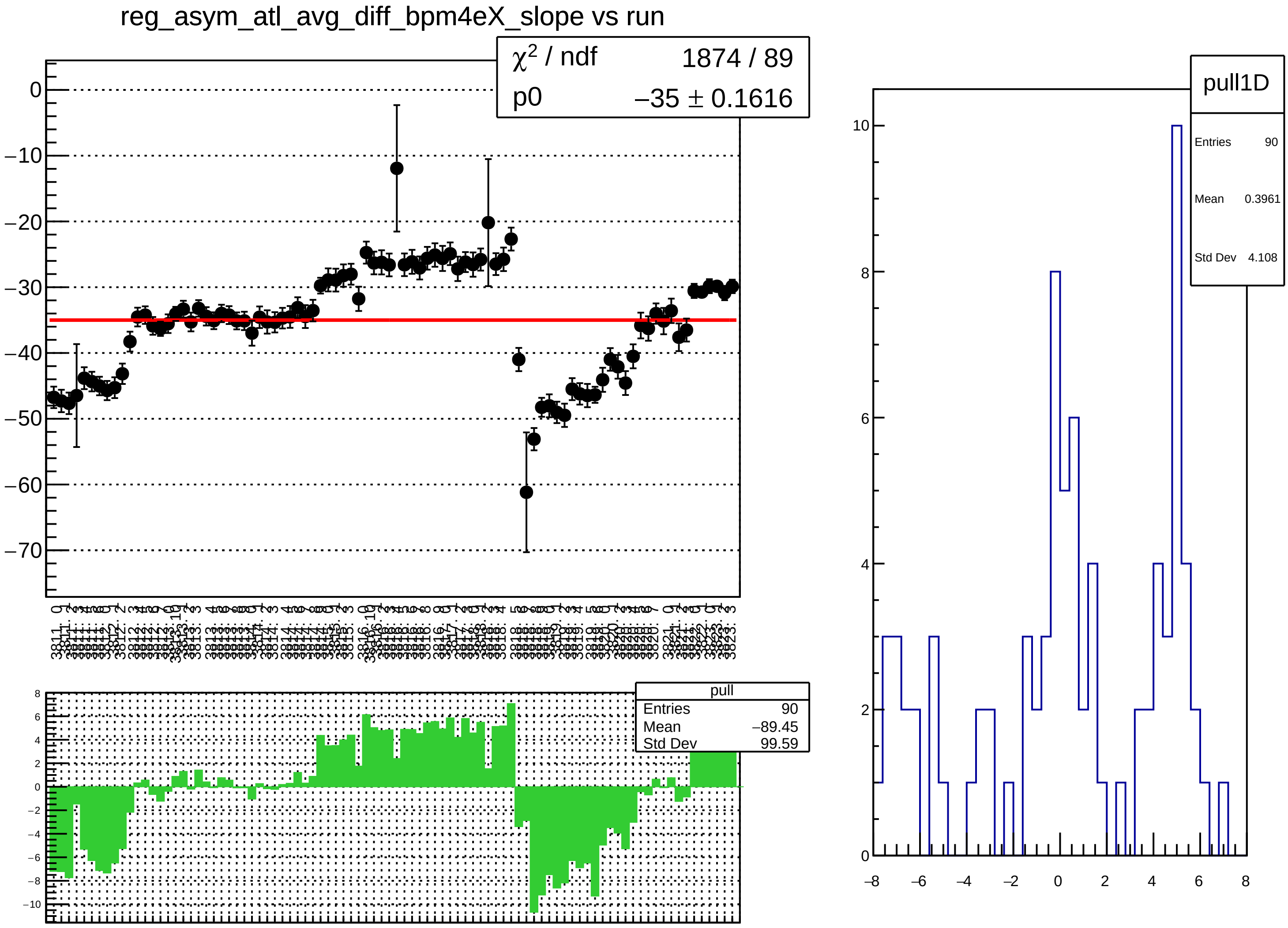
reg_asym_atl2_diff_bpm11X_slope vs run
χ^2 / ndf 2032 / 89
p0 −391.9 ± 0.5007
pull
Entries 90
Mean −71.72
Std Dev 140.9
pull1D
Entries 90
Mean −1.405
Std Dev 1.443

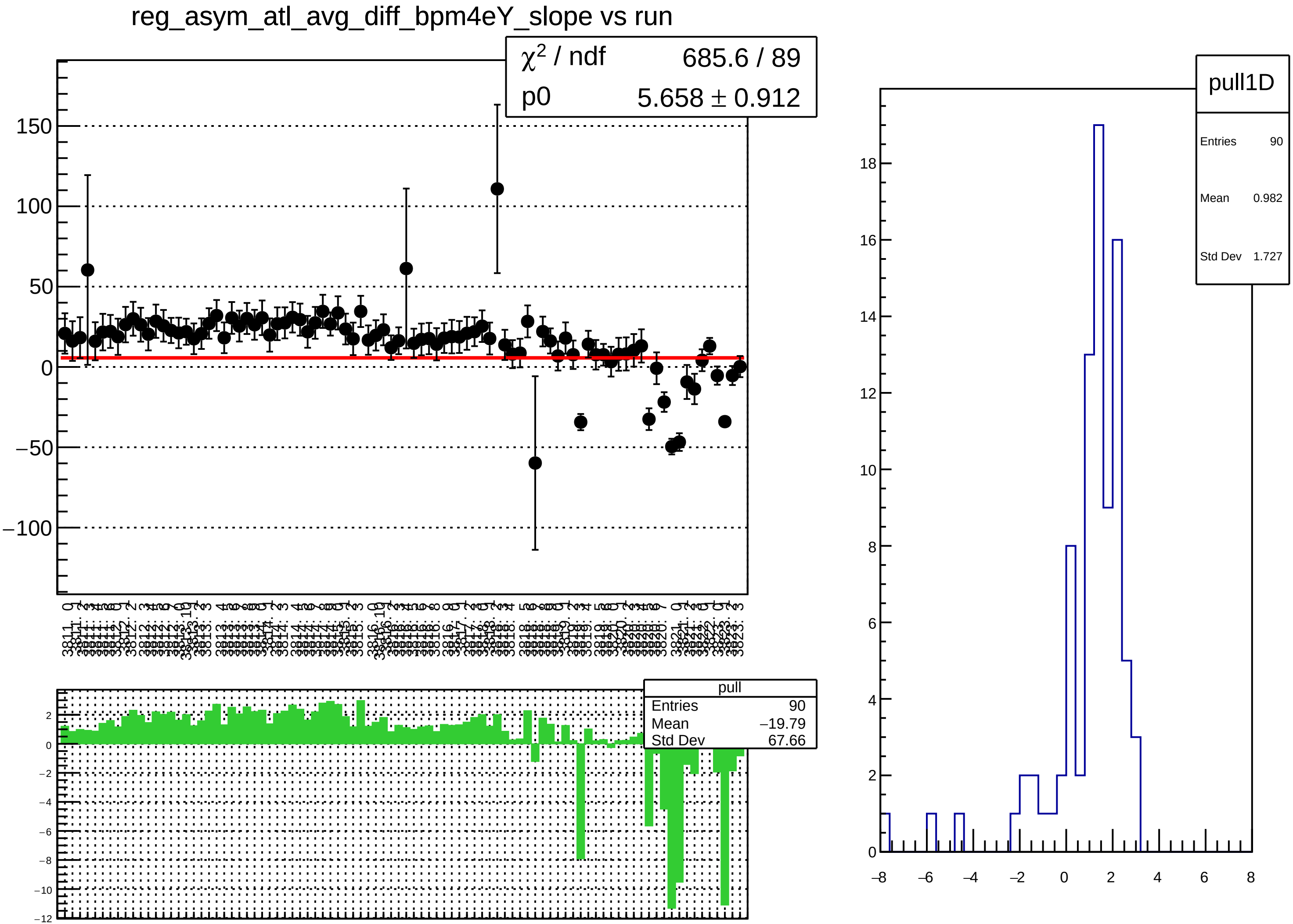


reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 351.9 / 89
p0 −60.94 ± 0.9192
pull
Entries 90
Mean 28.95
Std Dev 33.87
pull1D
Entries 90
Mean −0.4027
Std Dev 1.729

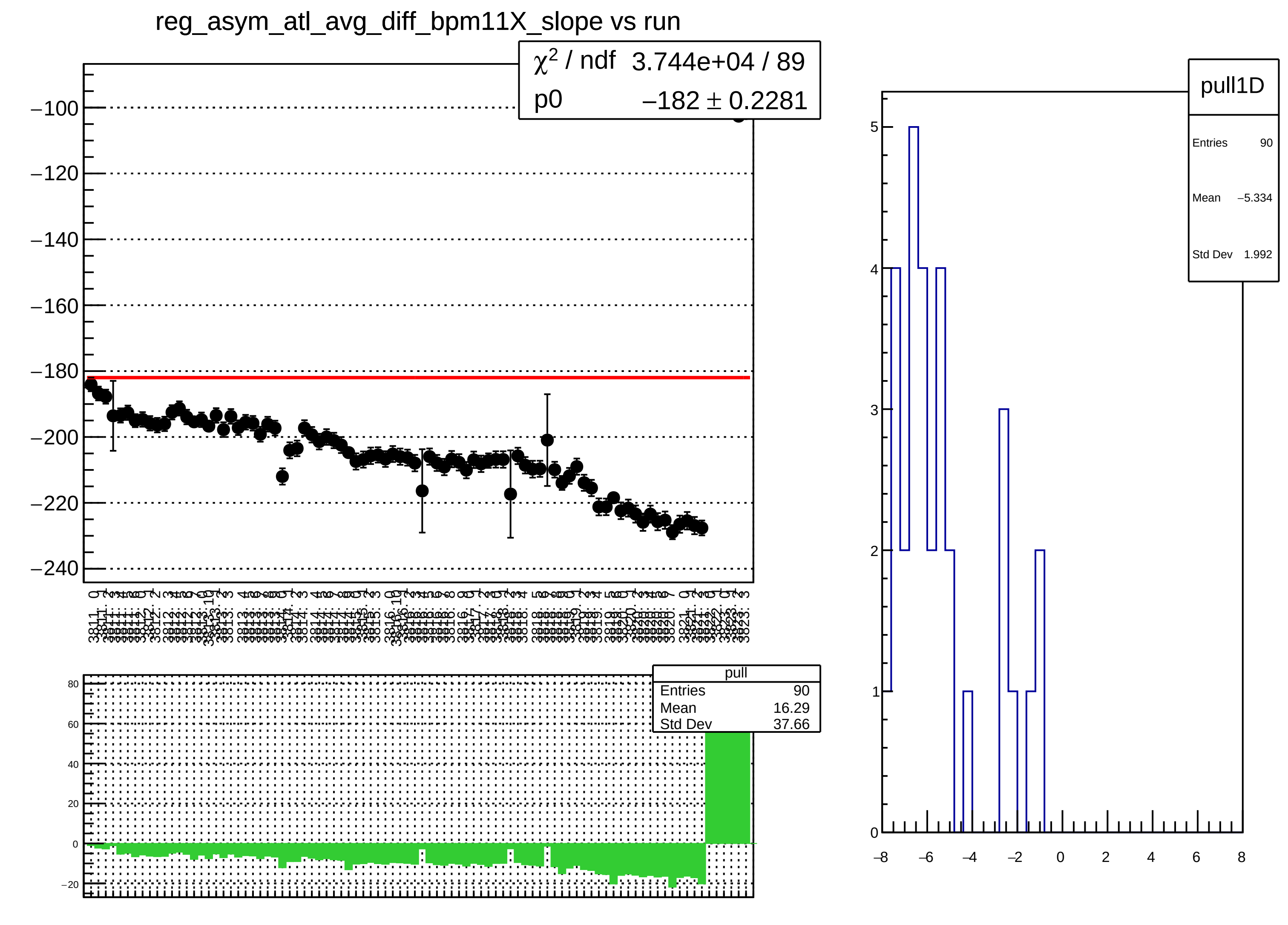


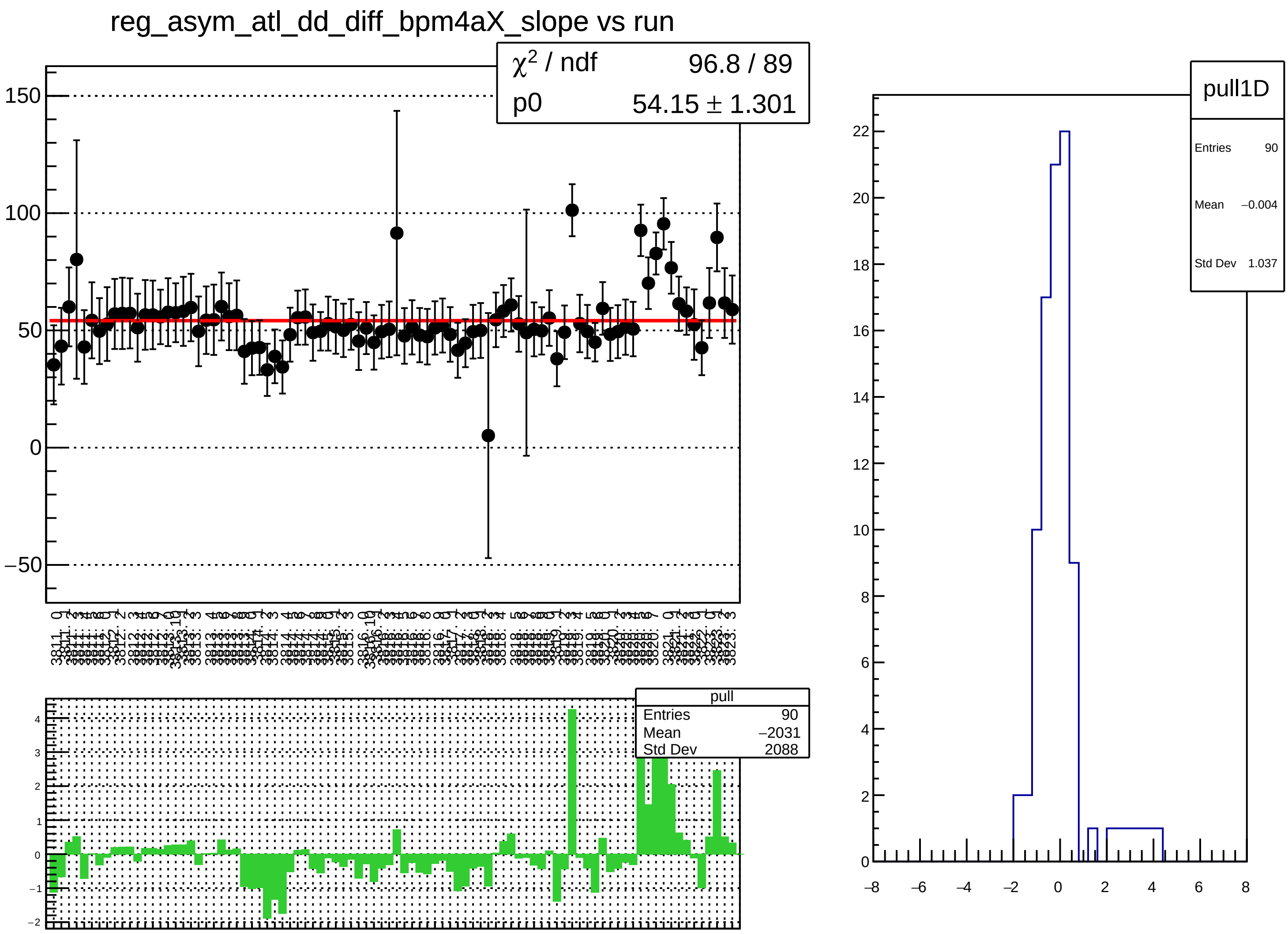
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 329.1 / 89
p0 22.24 ± 0.5824
pull
Entries 90
Mean −19.91
Std Dev 62.2
pull1D
Entries 90
Mean −0.3513
Std Dev 1.688


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1874 / 89
p0 −35 ± 0.1616
pull
Entries 90
Mean −89.45
Std Dev 99.59
pull1D
Entries 90
Mean 0.3961
Std Dev 4.108

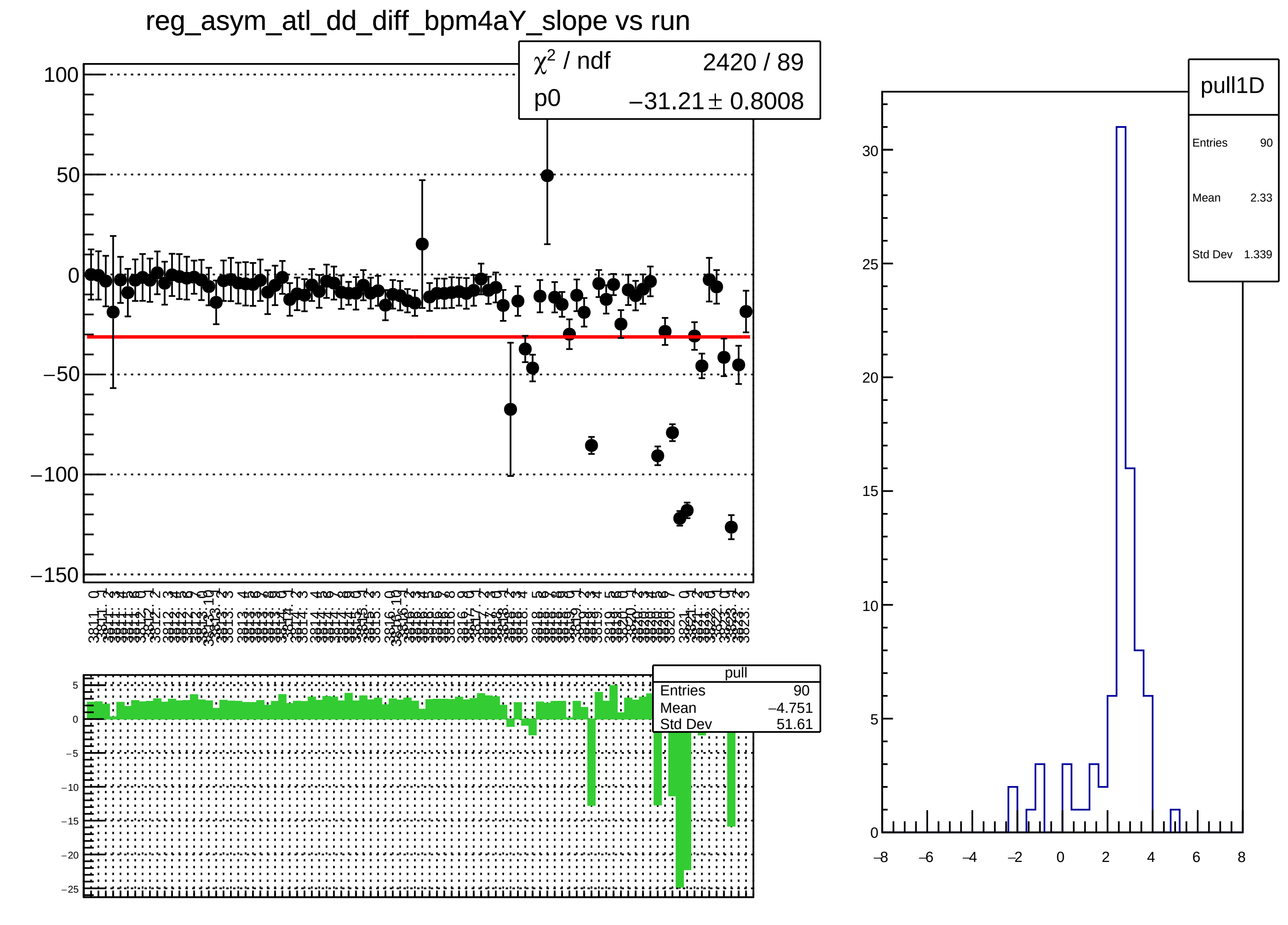


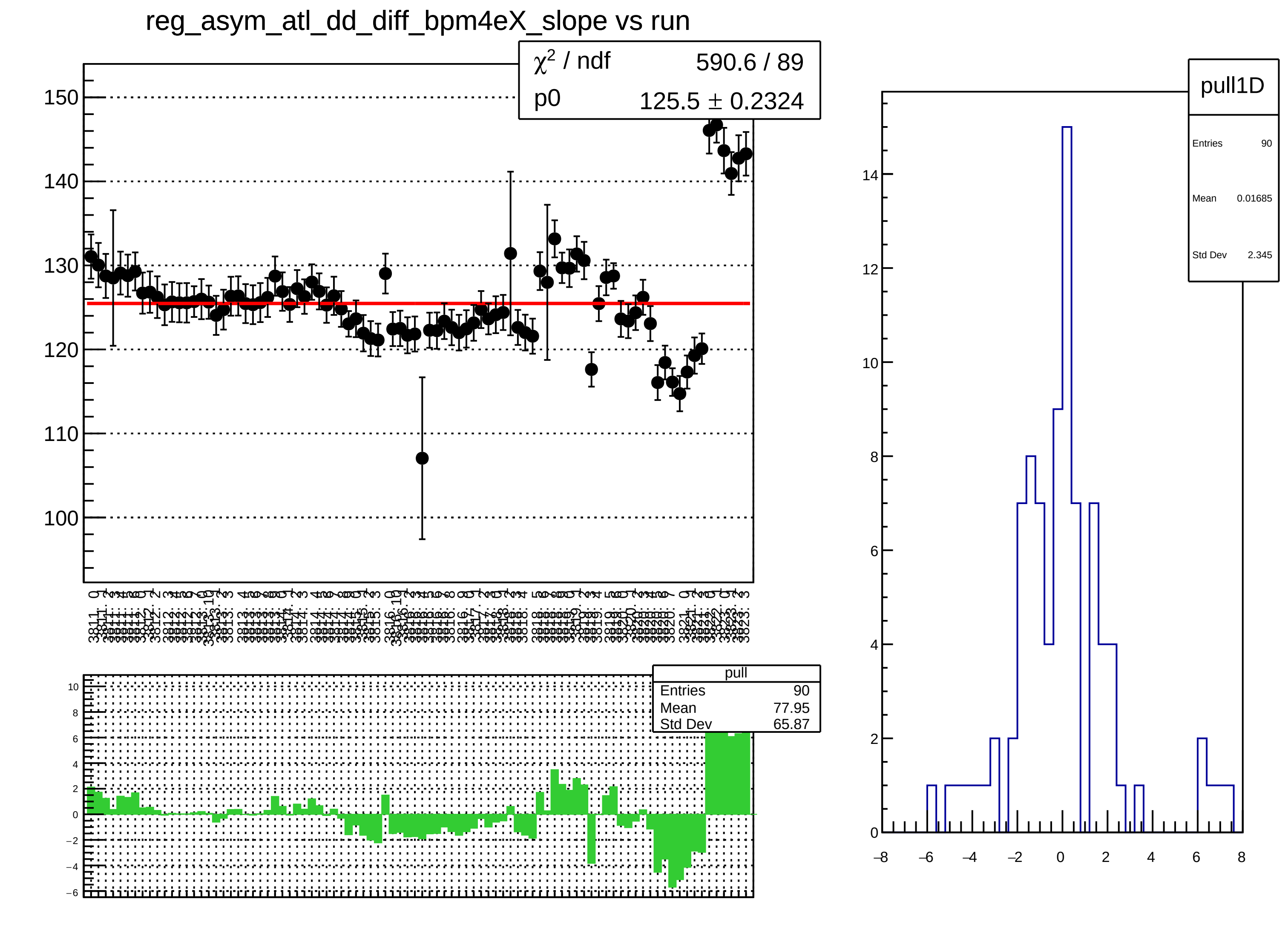
reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 685.6 / 89
p0 5.658 ± 0.912
pull
Entries 90
Mean −19.79
Std Dev 67.66
pull1D
Entries 90
Mean 0.982
Std Dev 1.727


reg_asym_atl_avg_diff_bpm11X_slope vs run
χ^2 / ndf 3.744e+04 / 89
p0 −182 ± 0.2281
pull
Entries 90
Mean 16.29
Std Dev 37.66
pull1D
Entries 90
Mean −5.334
Std Dev 1.992

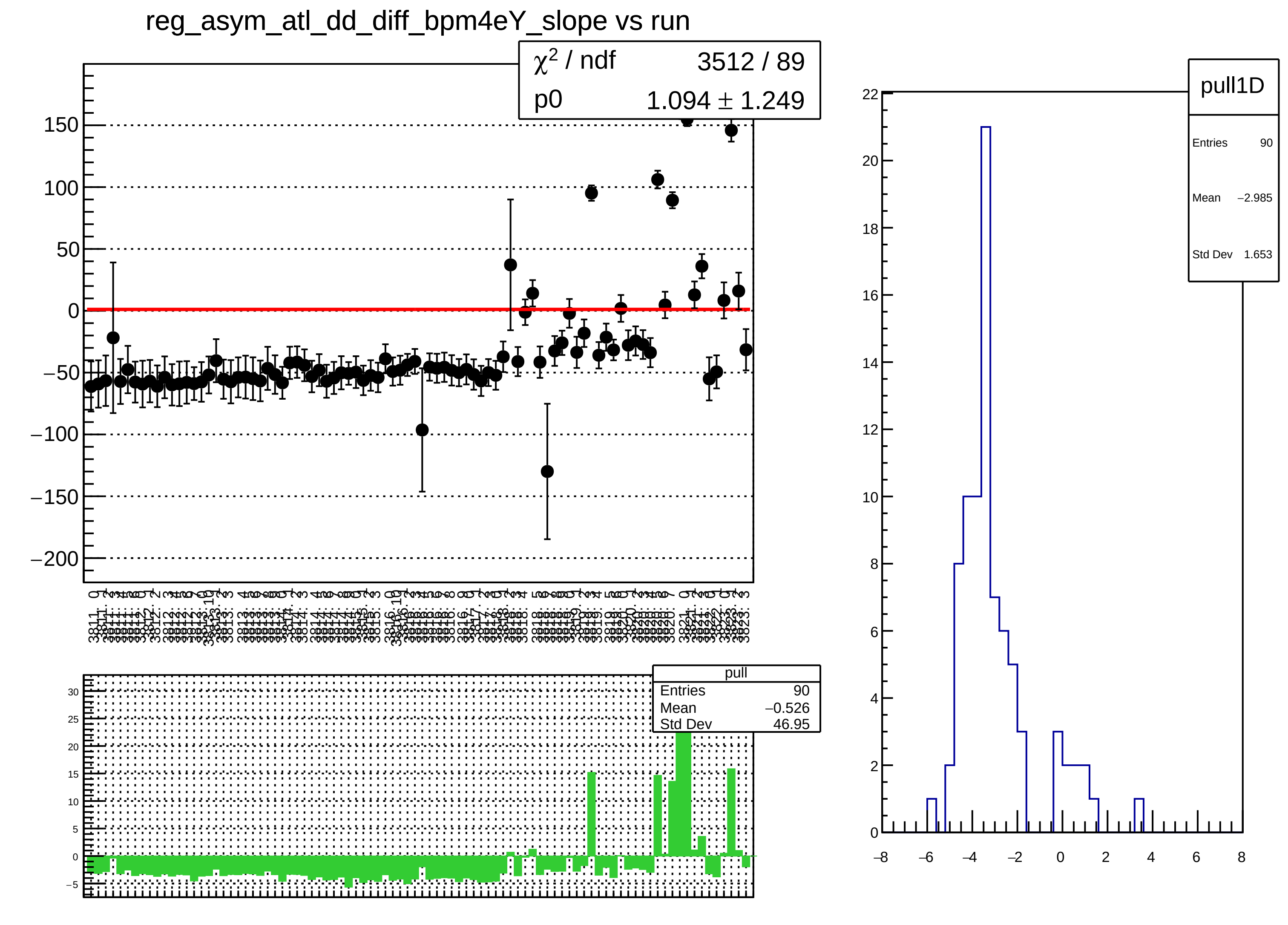


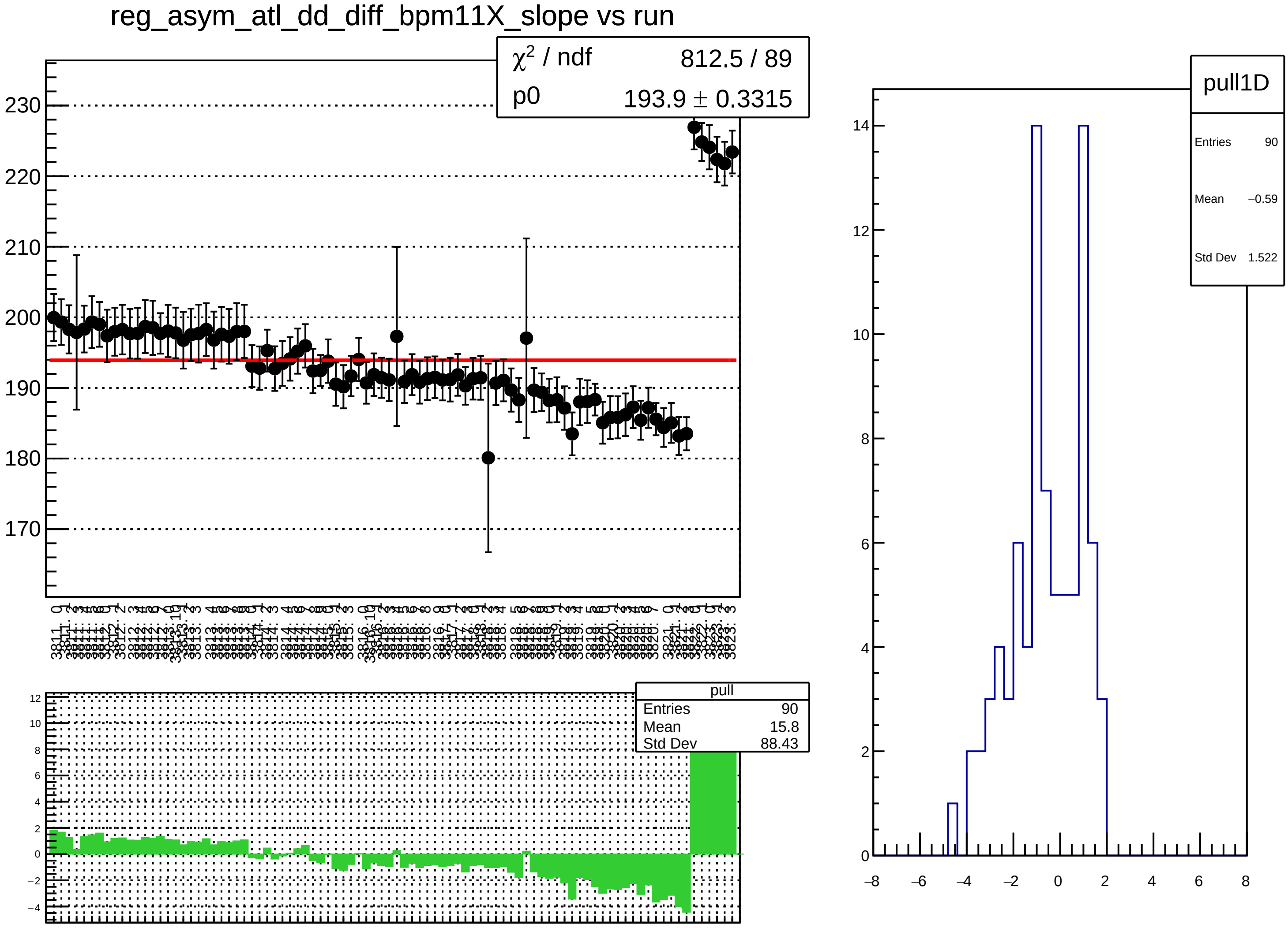
reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ2 / ndf 96.8 / 89
p0 54.15 ± 1.301
pull
Entries 90
Mean −2031
Std Dev 2088
pull1D
Entries 90
Mean −0.004
Std Dev 1.037


reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 2420 / 89
p0 −31.21 ± 0.8008
pull
Entries 90
Mean −4.751
Std Dev 51.61
pull1D
Entries 90
Mean 2.33
Std Dev 1.339

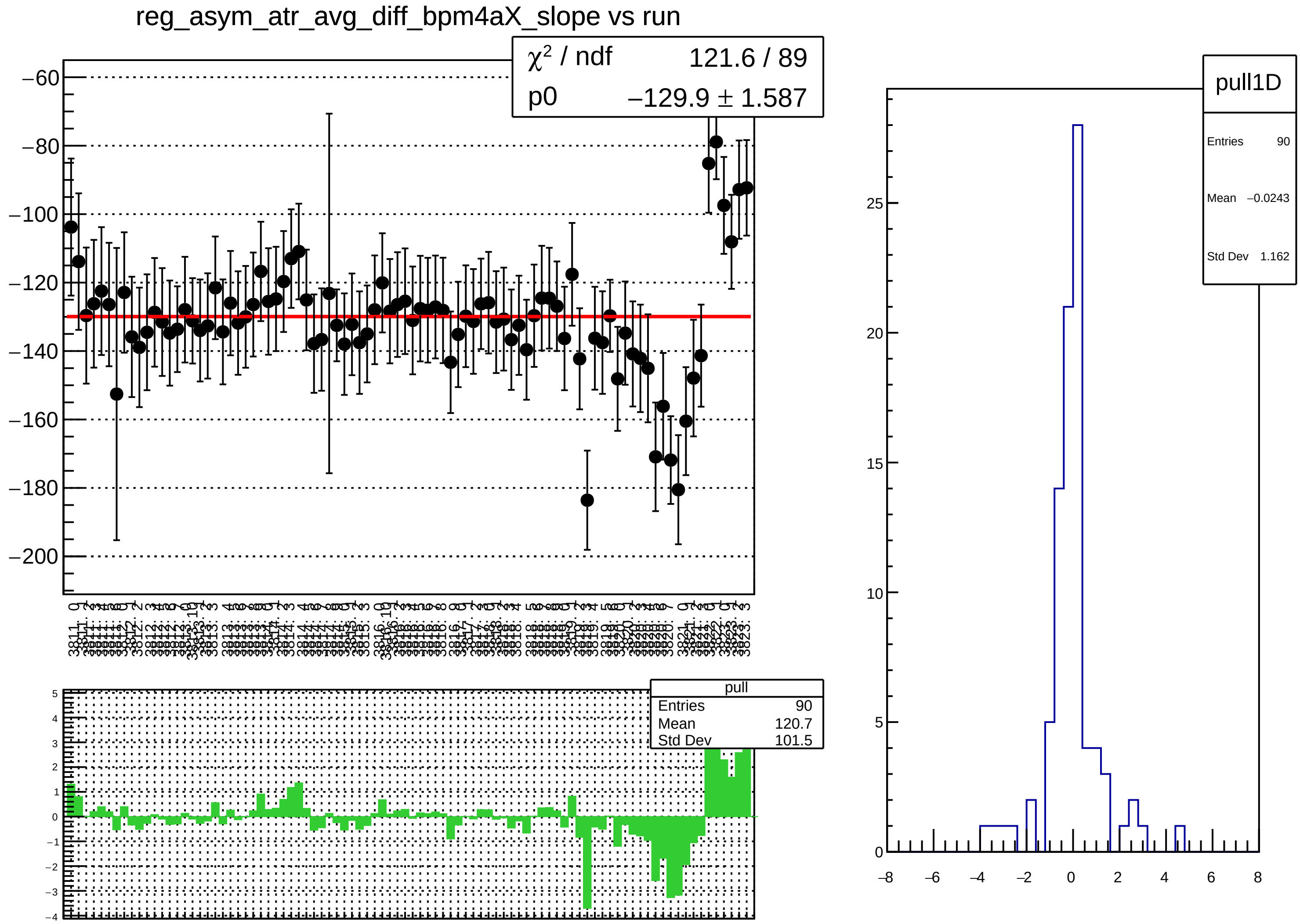


reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 590.6 / 89
p0 125.5 ± 0.2324
pull
Entries 90
Mean 77.95
Std Dev 65.87
pull1D
Entries 90
Mean 0.01685
Std Dev 2.345

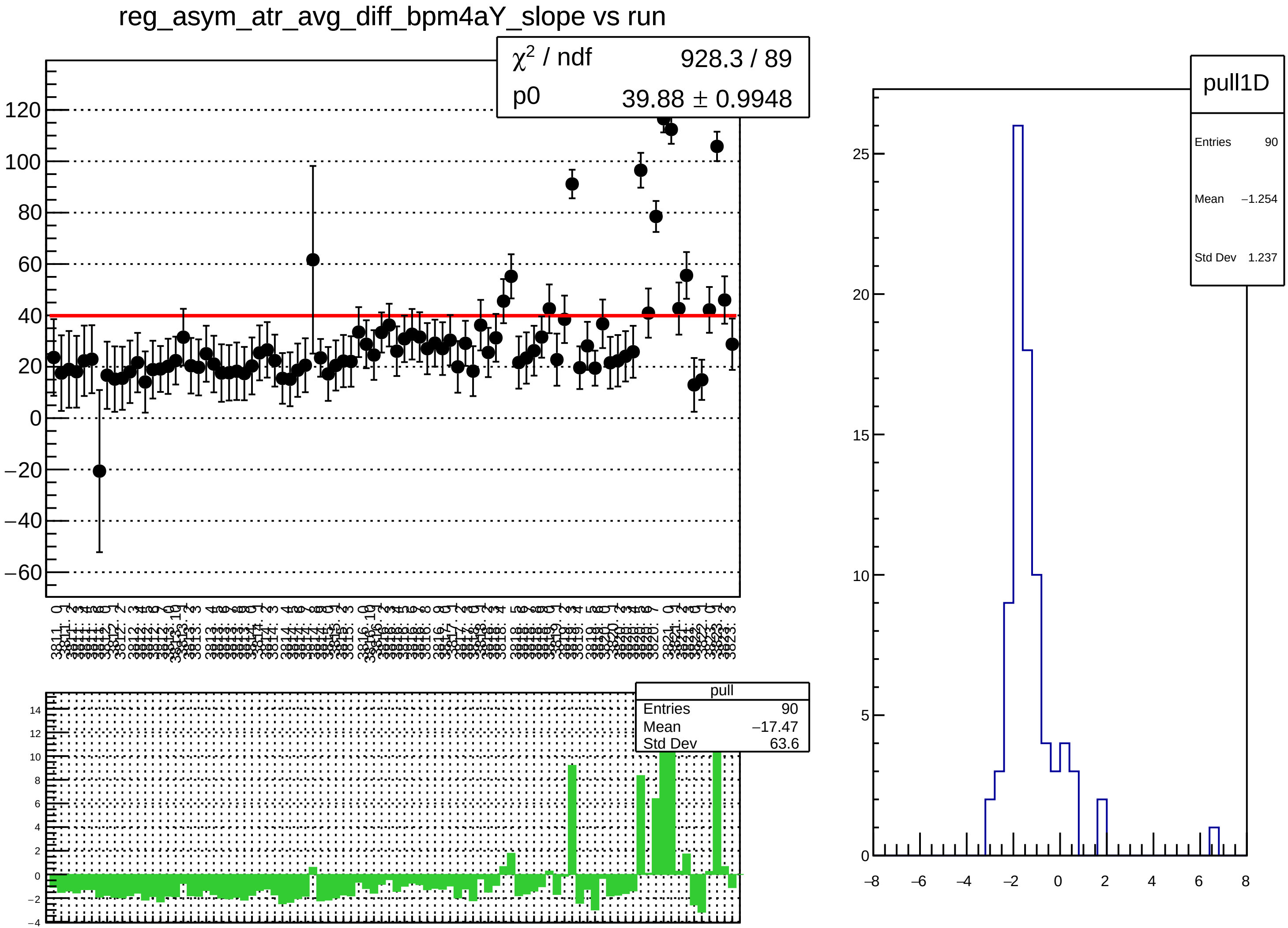

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3512 / 89
p0 1.094 ± 1.249
150
100
50
0
−50
−100
−150
−200
pull
Entries 90
Mean −0.526
Std Dev 46.95
30
25
20
15
10
5
0
−5
pull1D
Entries 90
Mean −2.985
Std Dev 1.653
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



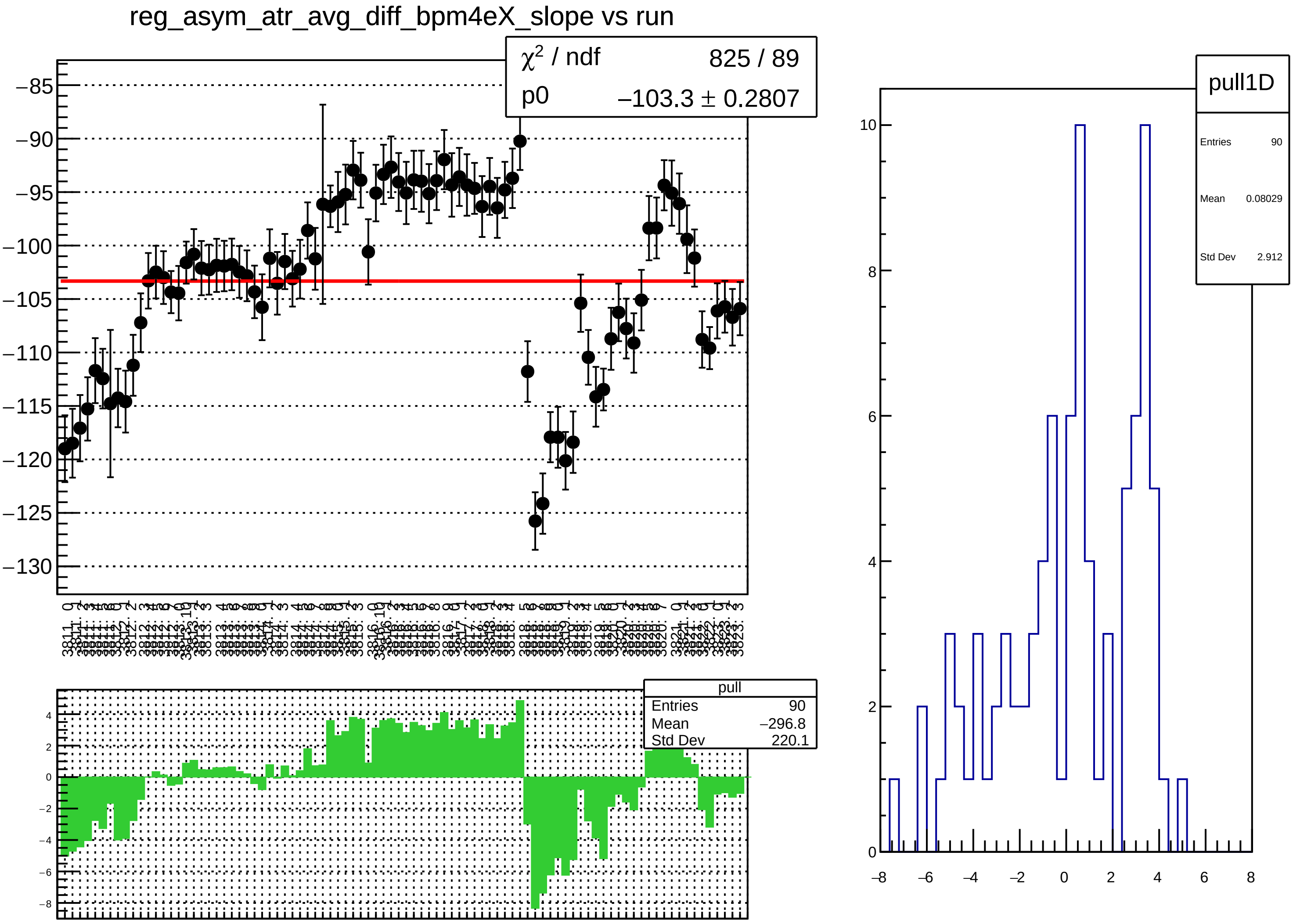
reg_asym_atl_dd_diff_bpm11X_slope vs run
χ^2 / ndf 812.5 / 89
p0 193.9 ± 0.3315
230
220
210
200
190
180
170
pull
Entries 90
Mean 15.8
Std Dev 88.43
pull1D
Entries 90
Mean −0.59
Std Dev 1.522



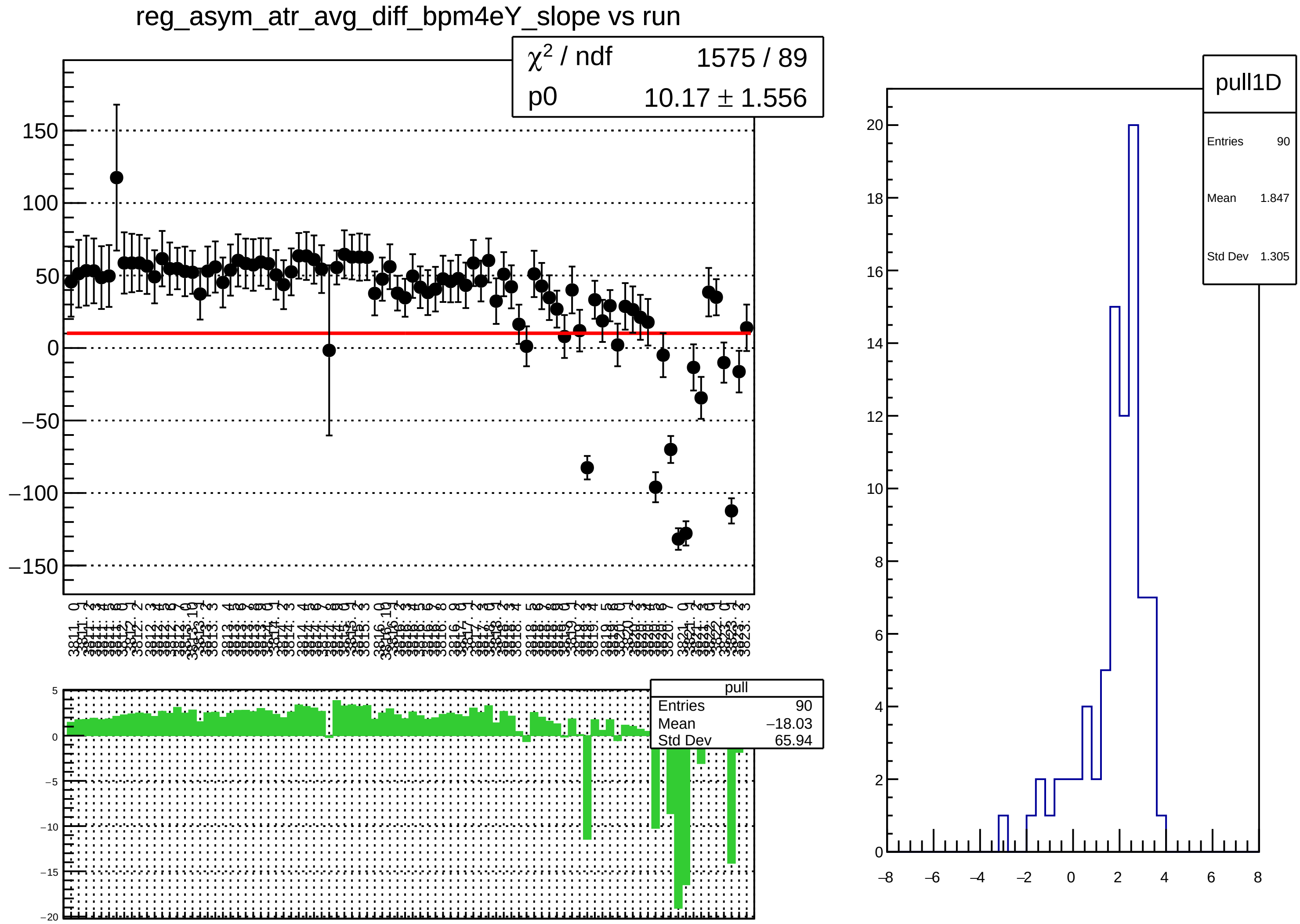
reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 121.6 / 89
p0 −129.9 ± 1.587
pull
Entries 90
Mean 120.7
Std Dev 101.5
pull1D
Entries 90
Mean −0.0243
Std Dev 1.162



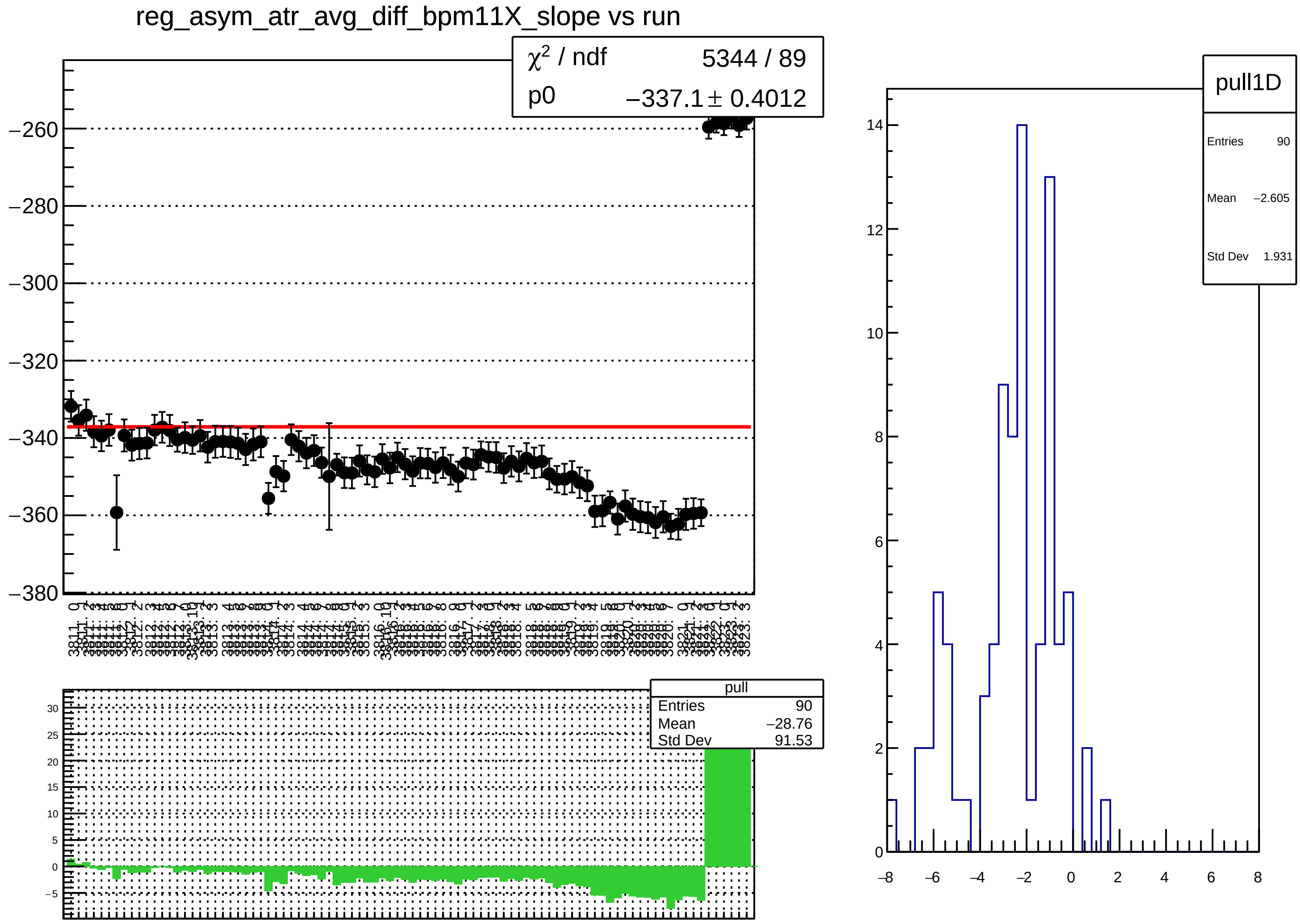
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 928.3 / 89
p0 39.88 ± 0.9948
pull
Entries 90
Mean −17.47
Std Dev 63.6
pull1D
Entries 90
Mean −1.254
Std Dev 1.237



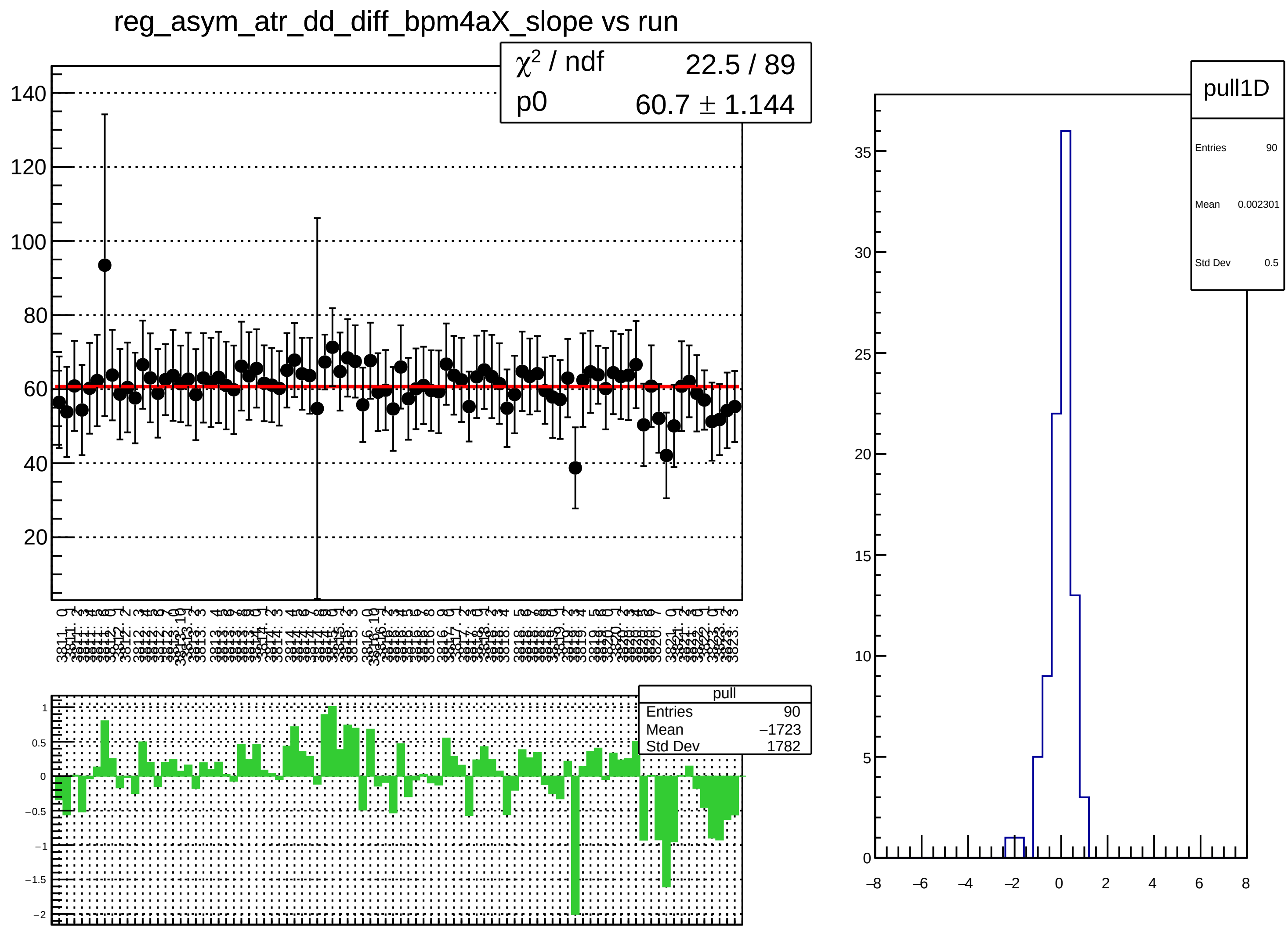
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 825 / 89
p0 −103.3 ± 0.2807
pull
Entries 90
Mean −296.8
Std Dev 220.1
pull1D
Entries 90
Mean 0.08029
Std Dev 2.912



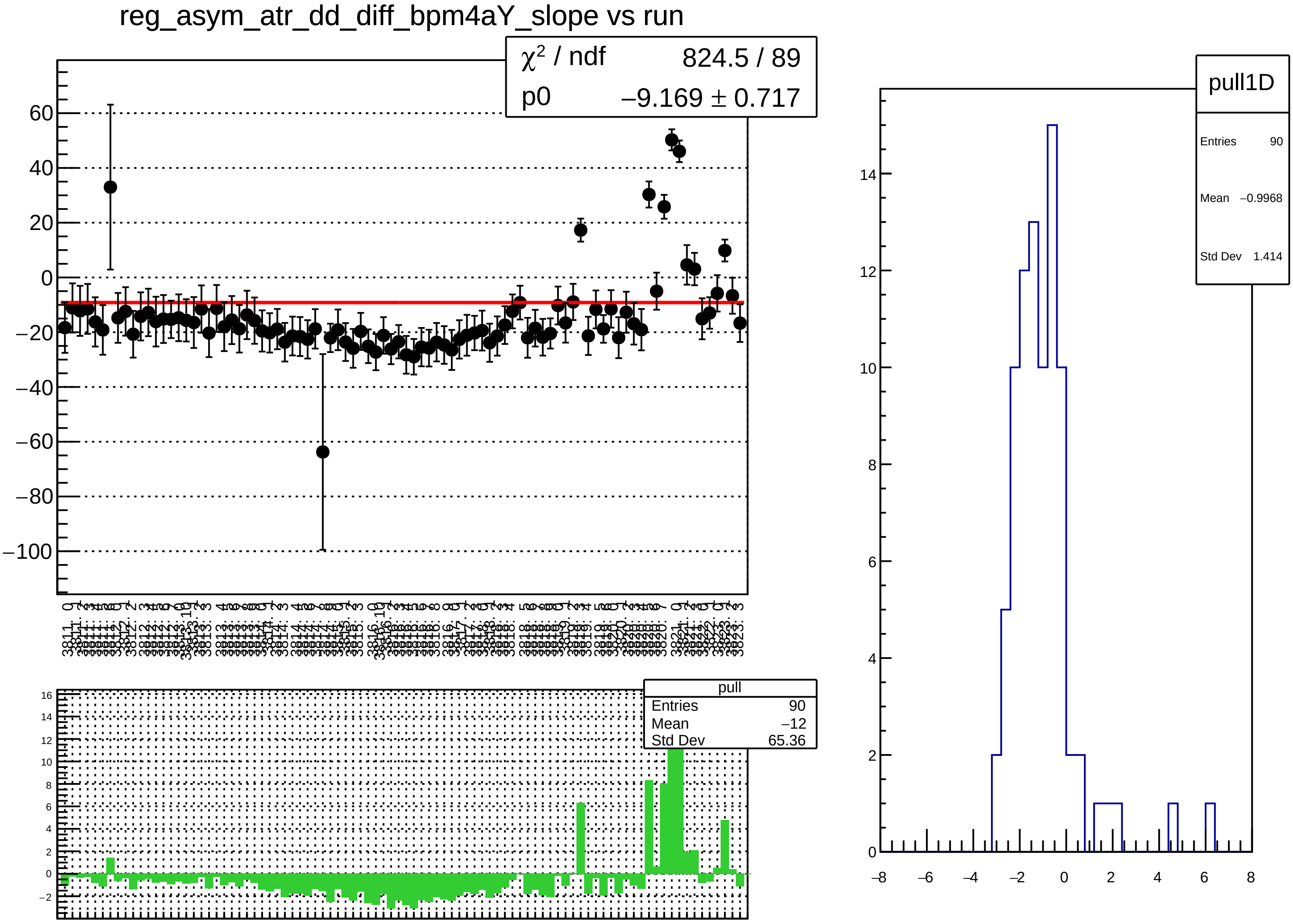
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1575 / 89
p0 10.17 ± 1.556
pull
Entries 90
Mean −18.03
Std Dev 65.94
pull1D
Entries 90
Mean 1.847
Std Dev 1.305



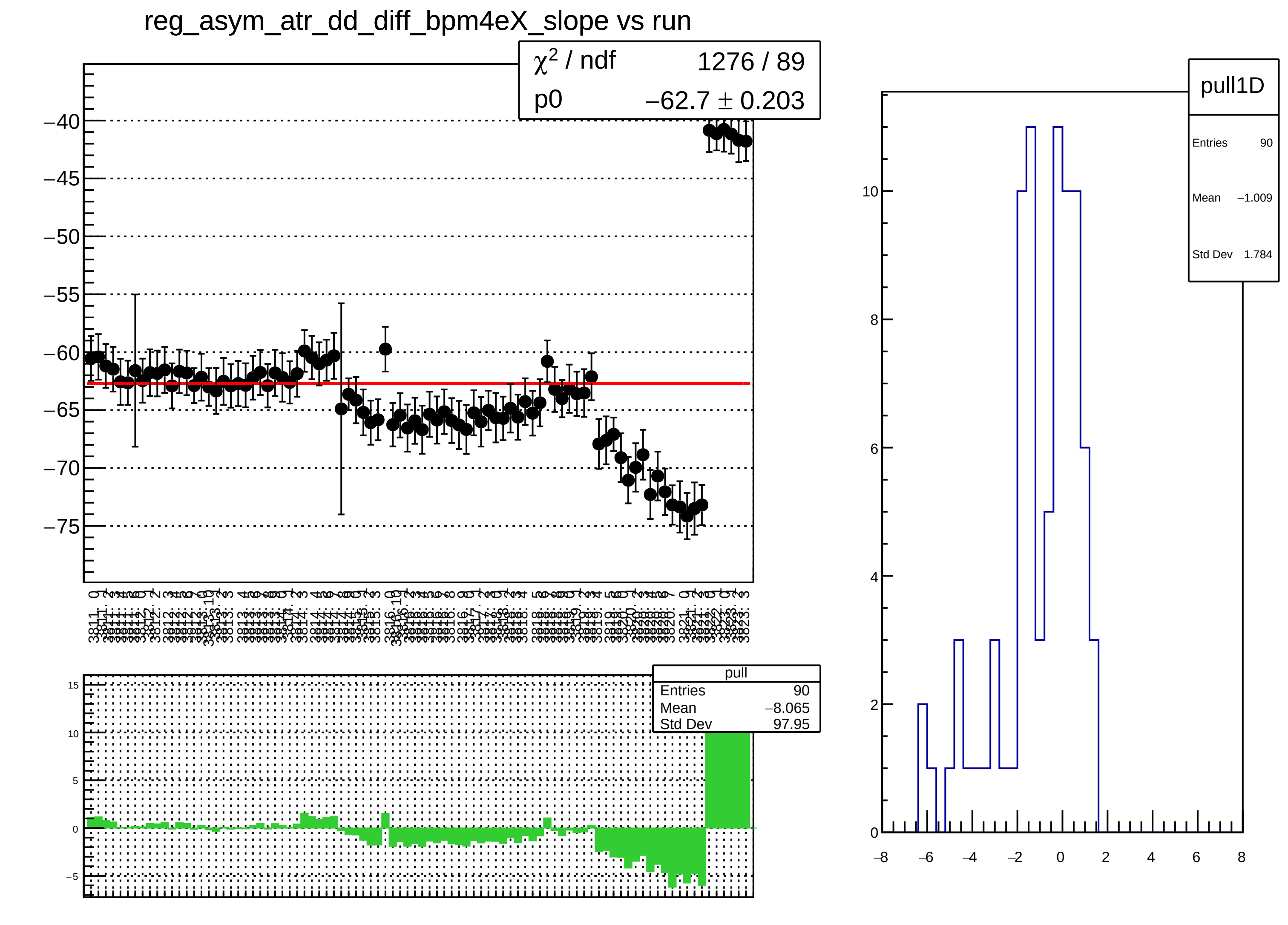
reg_asym_atr_avg_diff_bpm11X_slope vs run
χ2 / ndf 5344 / 89
p0 −337.1 ± 0.4012
pull
Entries 90
Mean −28.76
Std Dev 91.53
pull1D
Entries 90
Mean −2.605
Std Dev 1.931



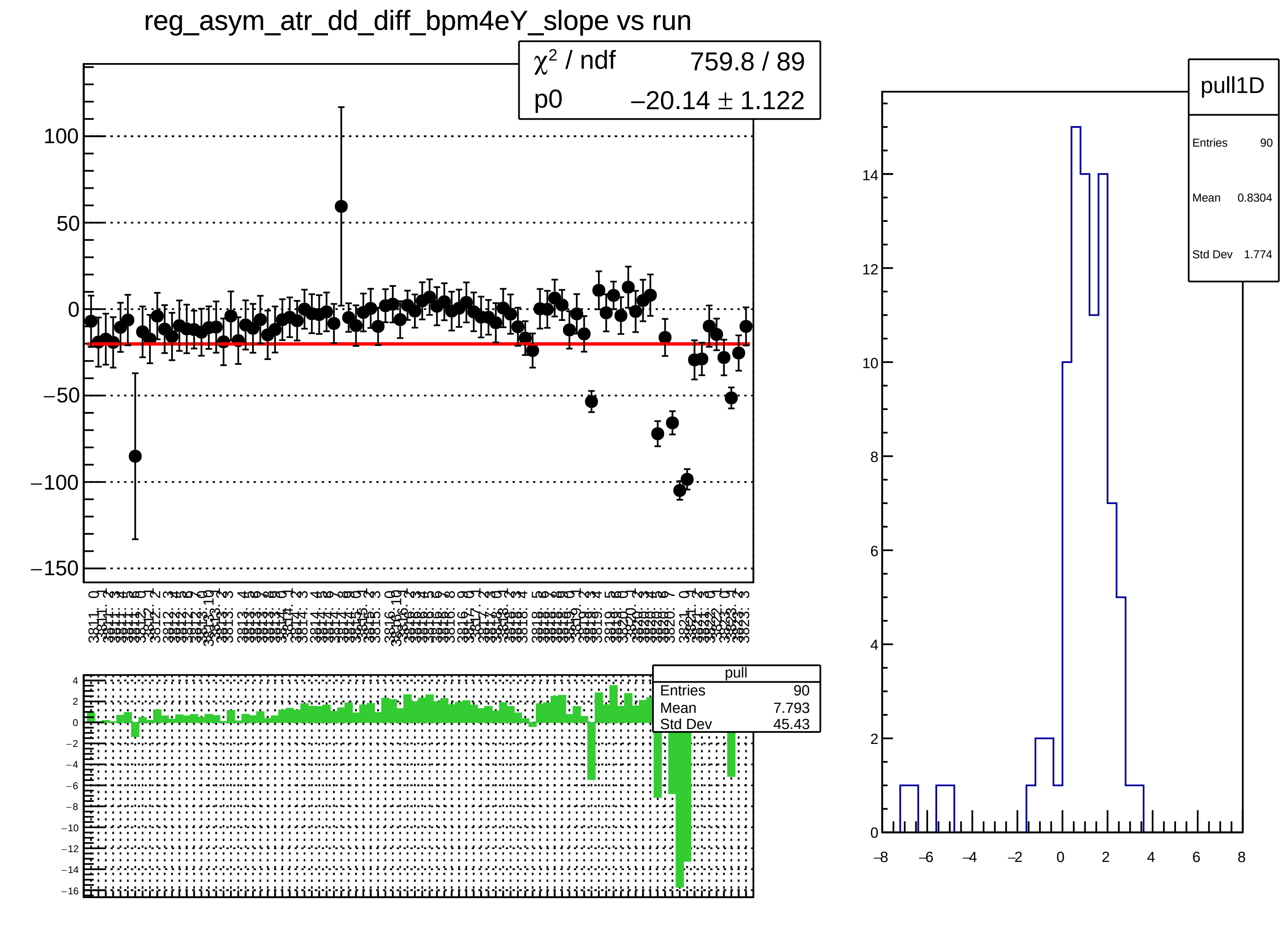
reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 22.5 / 89
p0 60.7 ± 1.144
pull
Entries 90
Mean −1723
Std Dev 1782
pull1D
Entries 90
Mean 0.002301
Std Dev 0.5



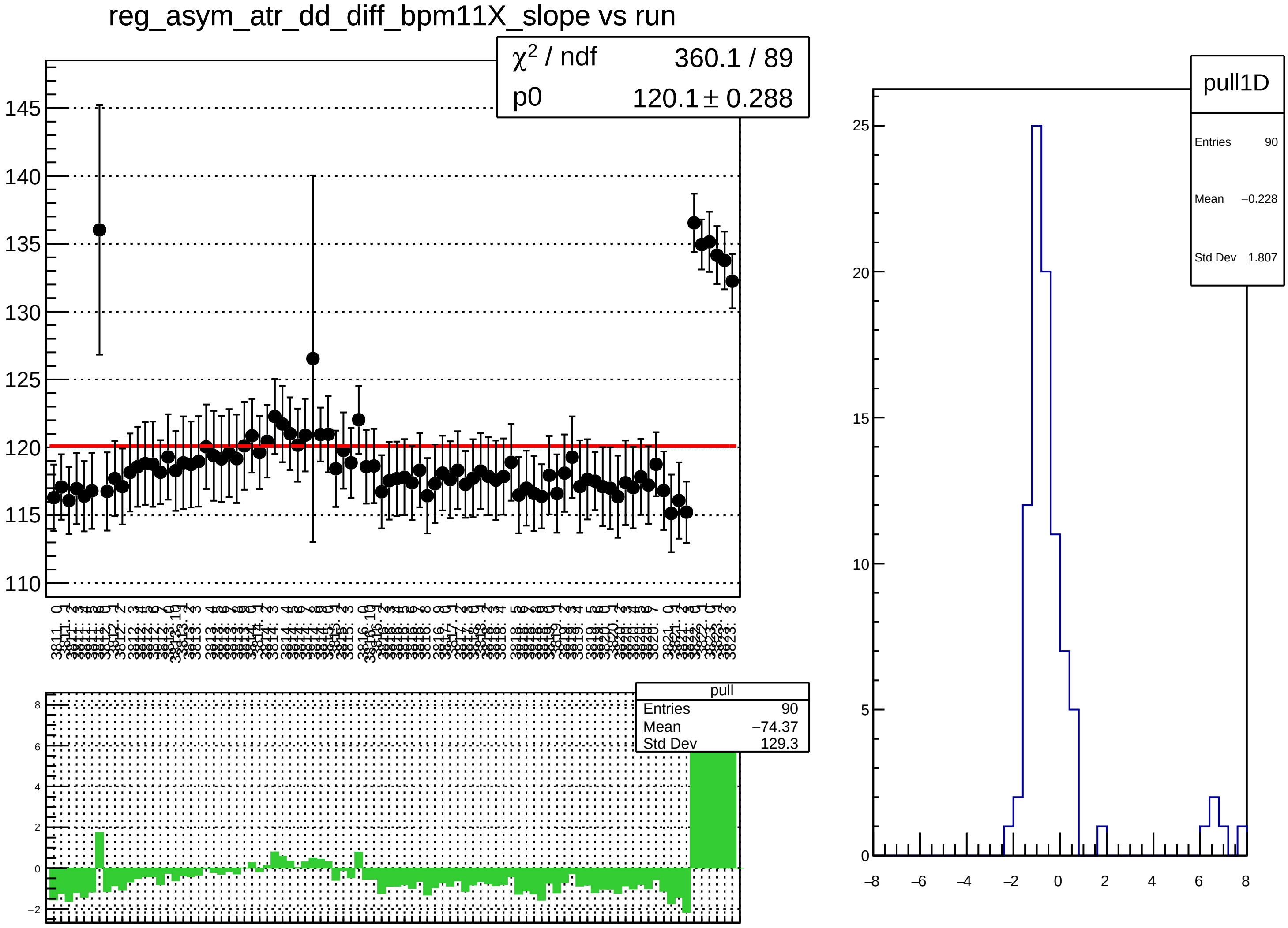
reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 824.5 / 89
p0 −9.169 ± 0.717
pull
Entries 90
Mean −12
Std Dev 65.36
pull1D
Entries 90
Mean −0.9968
Std Dev 1.414



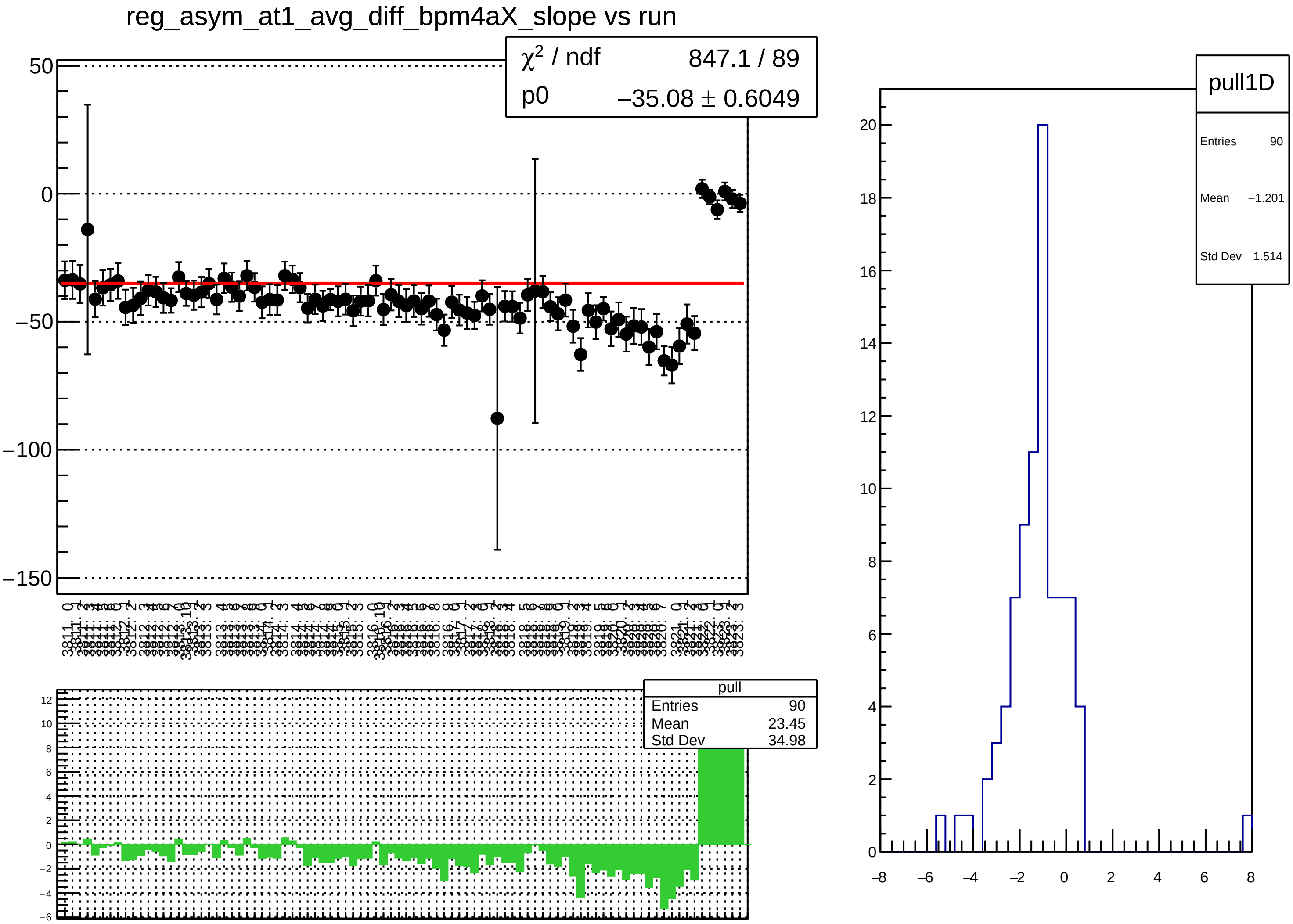
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1276 / 89
p0 −62.7 ± 0.203
pull
Entries 90
Mean −8.065
Std Dev 97.95
pull1D
Entries 90
Mean −1.009
Std Dev 1.784

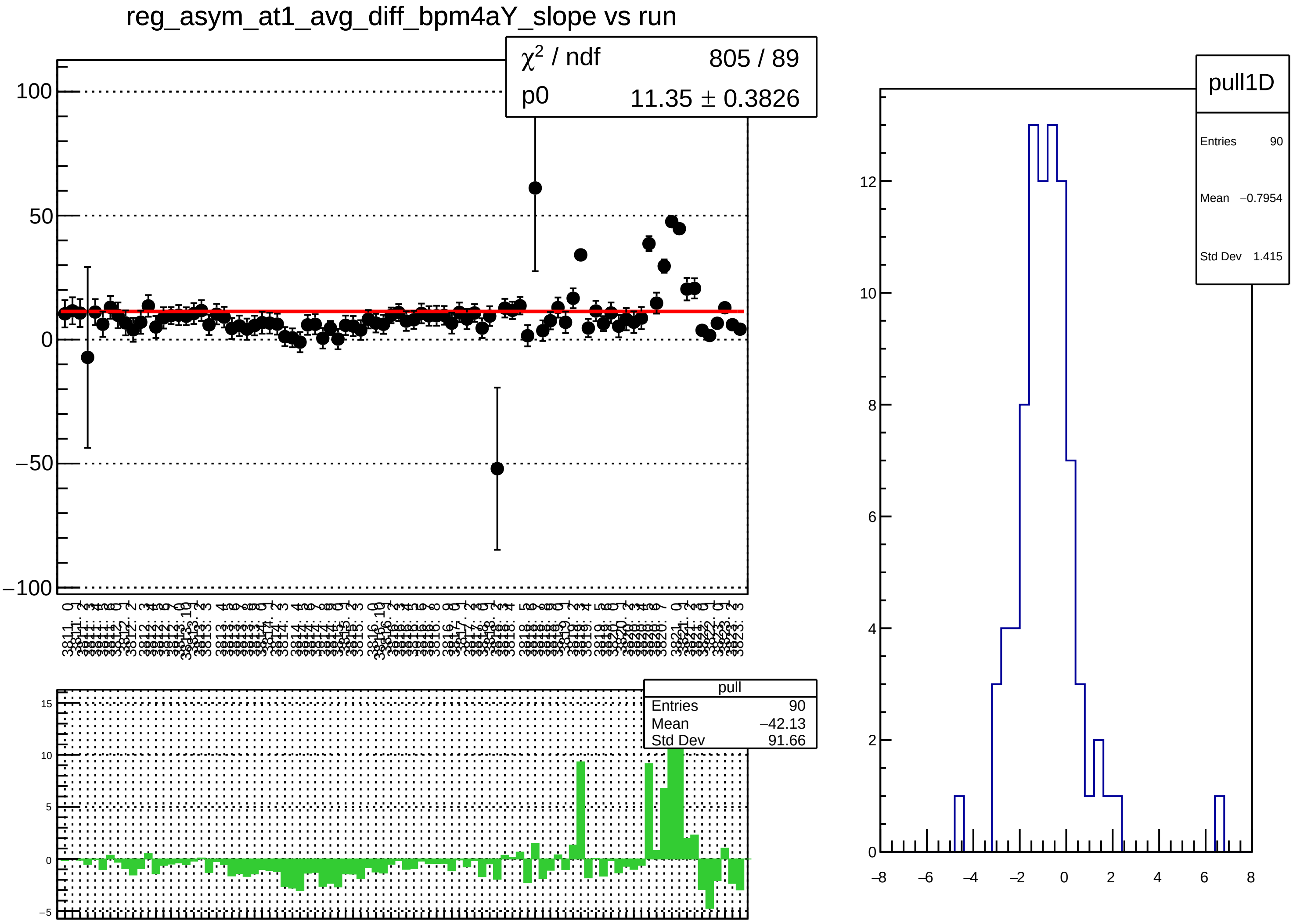


reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ2 / ndf 759.8 / 89
p0 −20.14 ± 1.122
pull
Entries 90
Mean 7.793
Std Dev 45.43
pull1D
Entries 90
Mean 0.8304
Std Dev 1.774

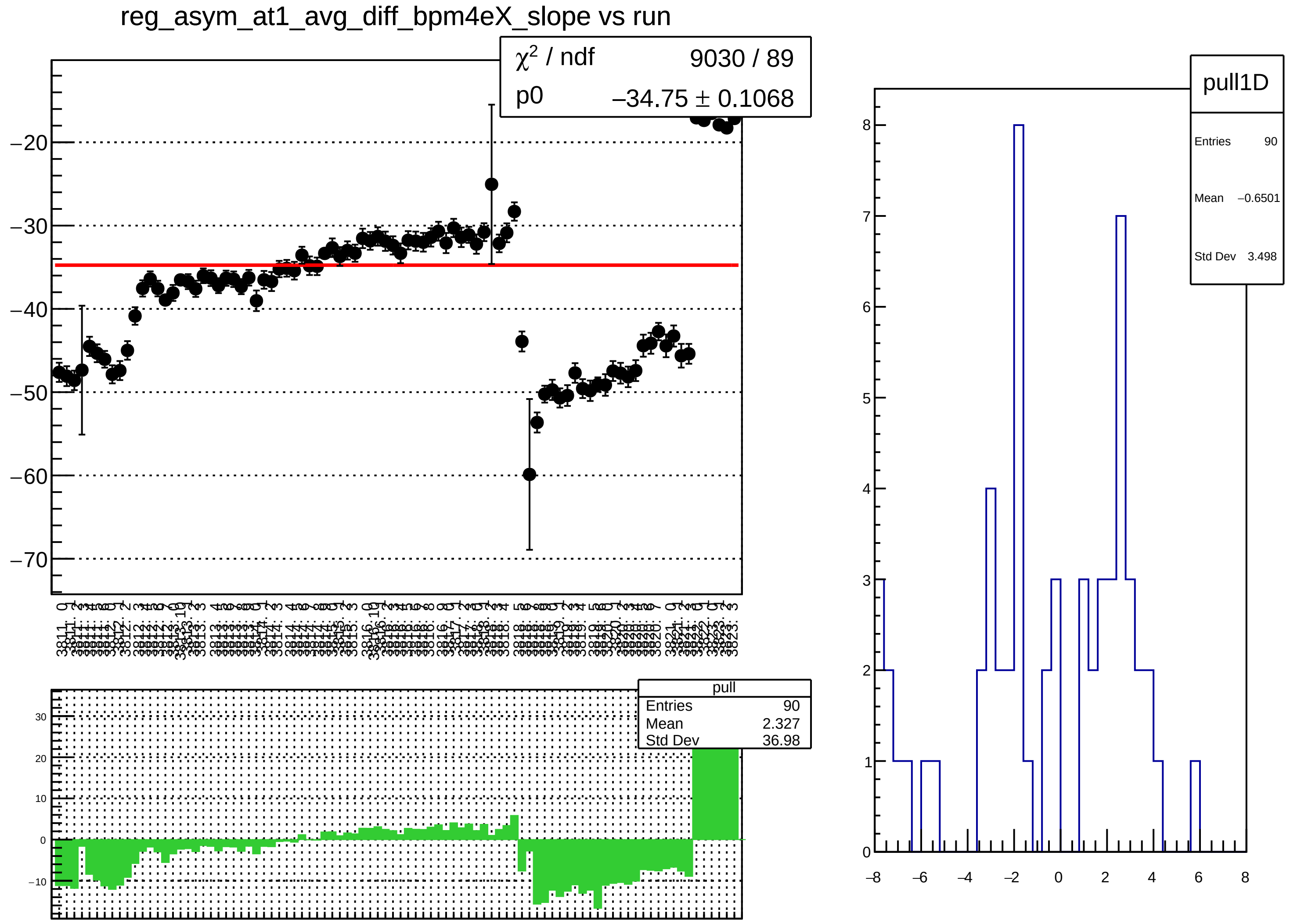


reg_asym_atr_dd_diff_bpm11X_slope vs run
χ^2 / ndf 360.1 / 89
p0 120.1 ± 0.288
pull
Entries 90
Mean −74.37
Std Dev 129.3
pull1D
Entries 90
Mean −0.228
Std Dev 1.807

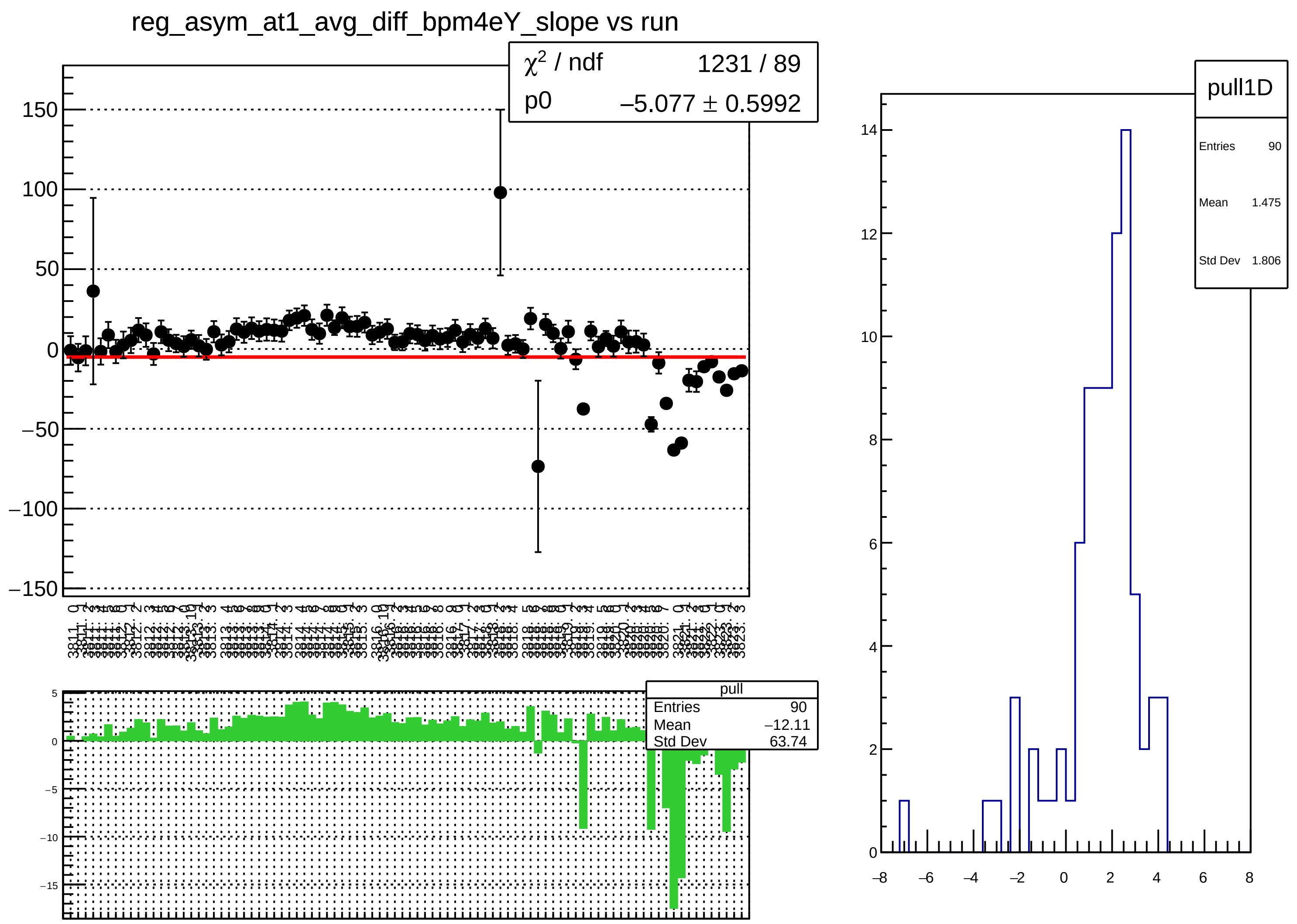

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 847.1 / 89
p0 −35.08 ± 0.6049
pull
Entries 90
Mean 23.45
Std Dev 34.98
pull1D
Entries 90
Mean −1.201
Std Dev 1.514



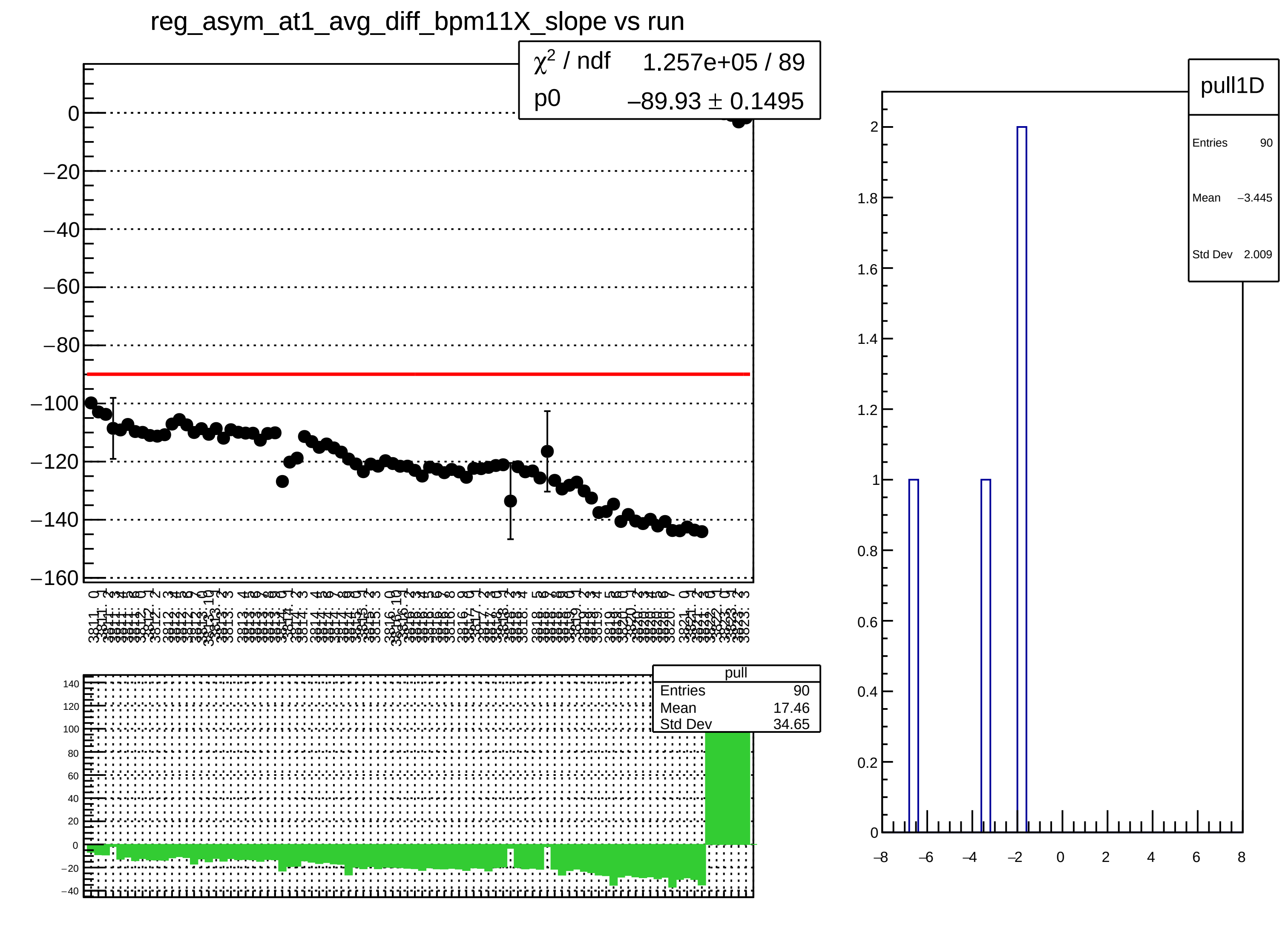
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 805 / 89
p0 11.35 ± 0.3826
pull
Entries 90
Mean −42.13
Std Dev 91.66
pull1D
Entries 90
Mean −0.7954
Std Dev 1.415



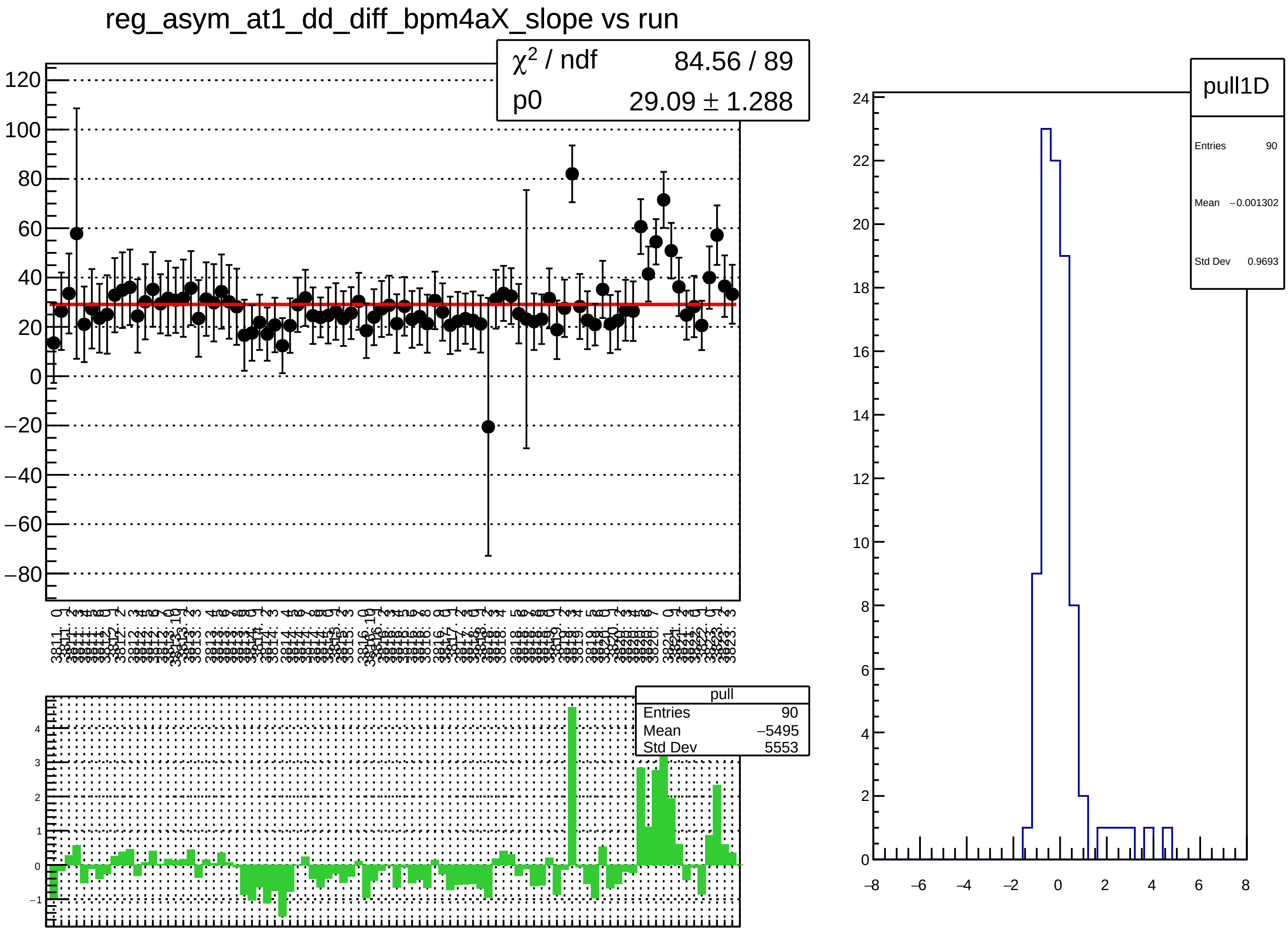
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9030 / 89
p0 −34.75 ± 0.1068
pull
Entries 90
Mean 2.327
Std Dev 36.98
pull1D
Entries 90
Mean −0.6501
Std Dev 3.498



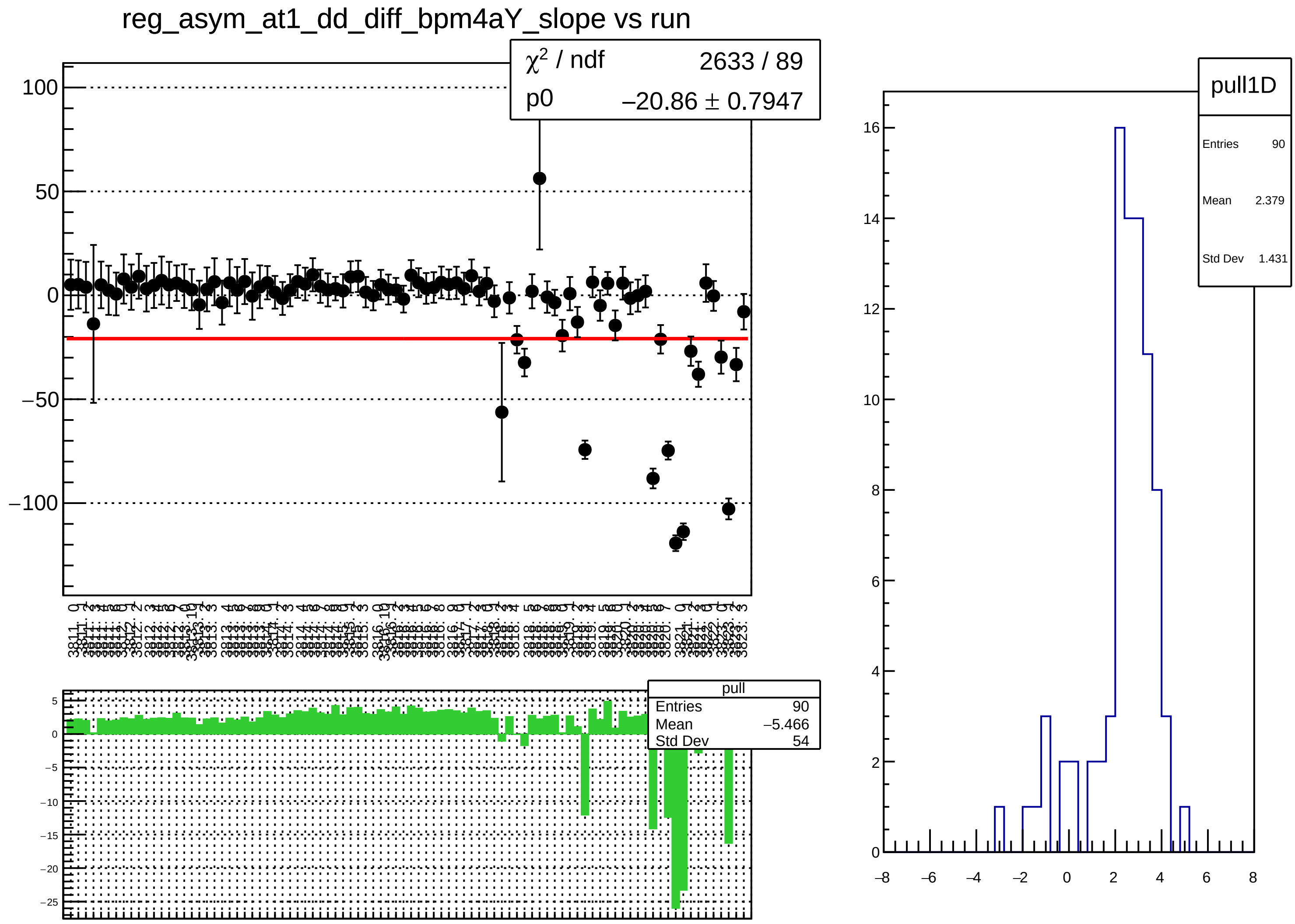
reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ2 / ndf 1231 / 89
p0 −5.077 ± 0.5992
pull
Entries 90
Mean −12.11
Std Dev 63.74
pull1D
Entries 90
Mean 1.475
Std Dev 1.806

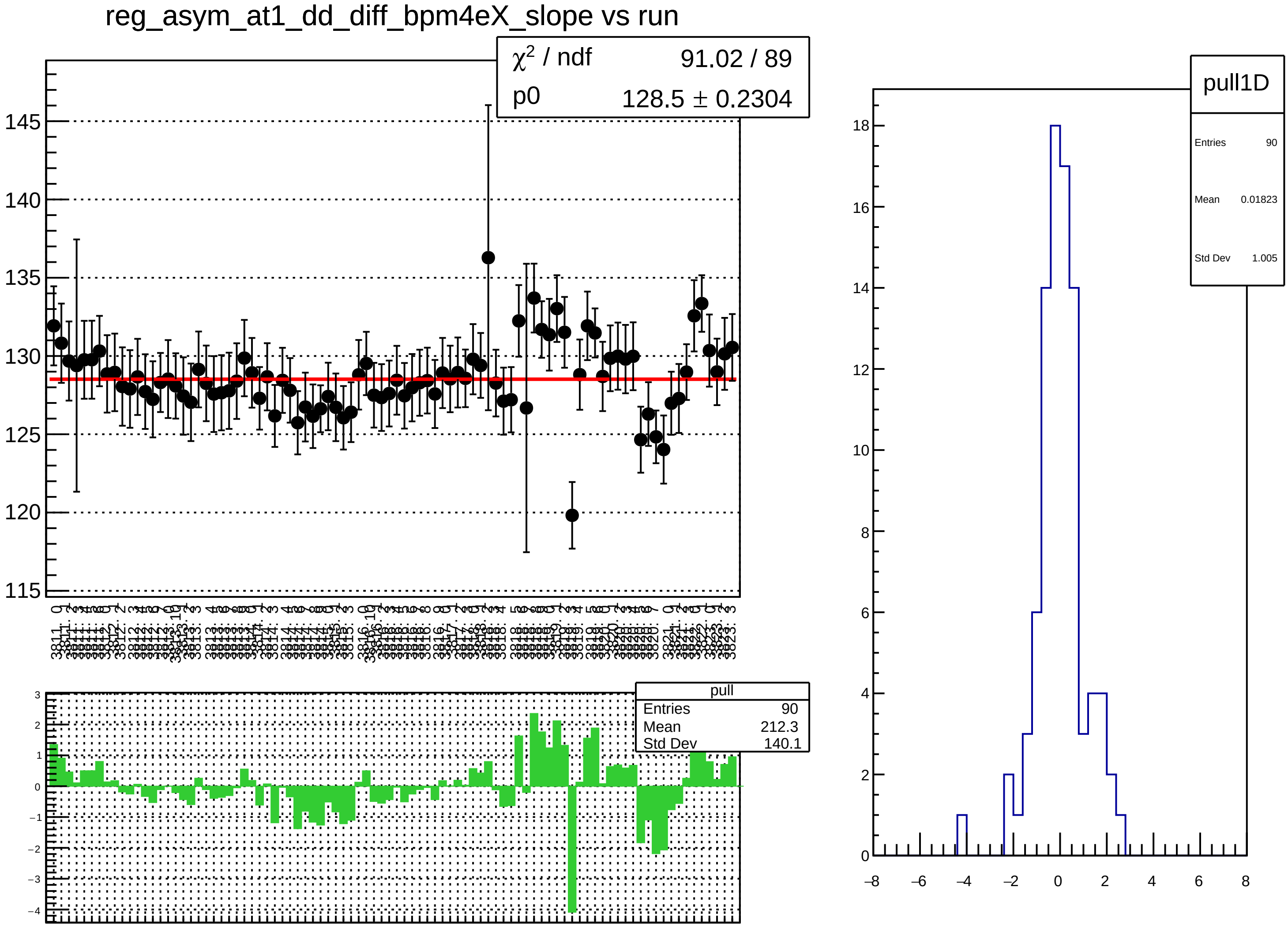


reg_asym_at1_avg_diff_bpm11X_slope vs run
χ^2 / ndf 1.257e+05 / 89
p0 −89.93 ± 0.1495
pull
Entries 90
Mean 17.46
Std Dev 34.65
pull1D
Entries 90
Mean −3.445
Std Dev 2.009



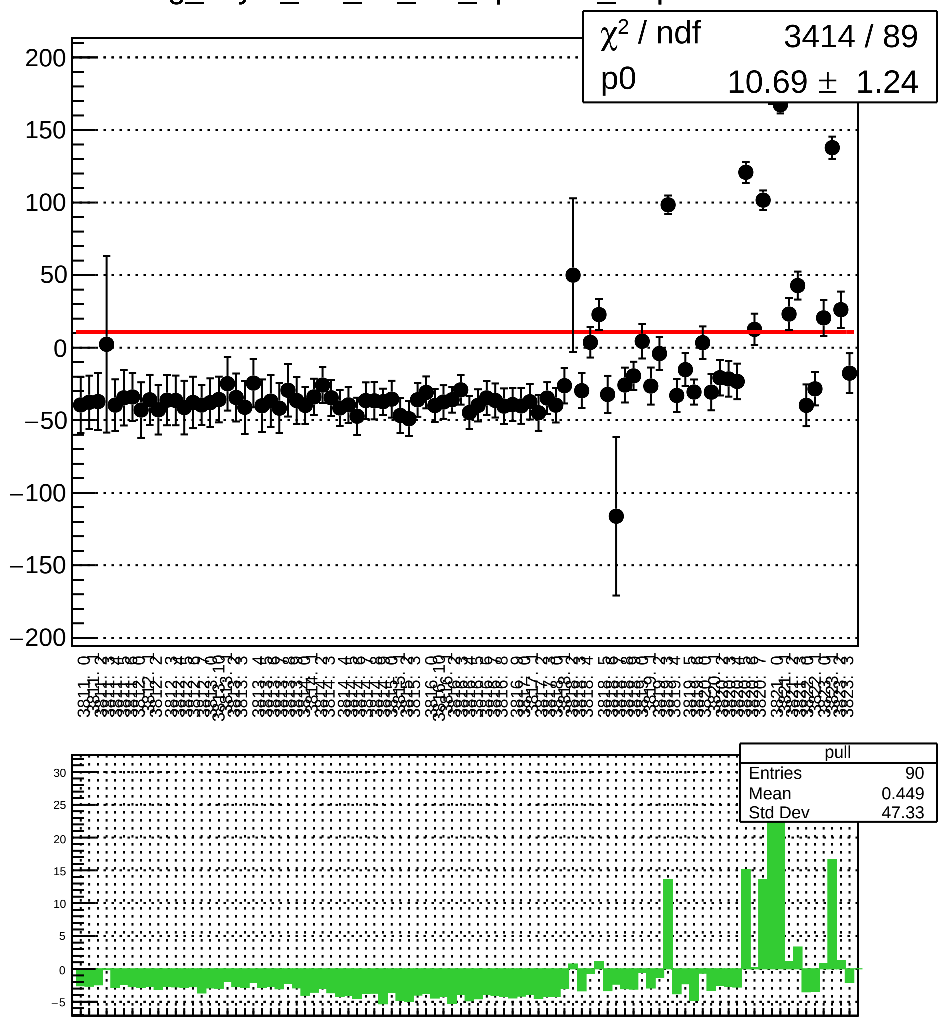
reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 84.56 / 89
p0 29.09 ± 1.288
pull
Entries 90
Mean −5495
Std Dev 5553
pull1D
Entries 90
Mean −0.001302
Std Dev 0.9693

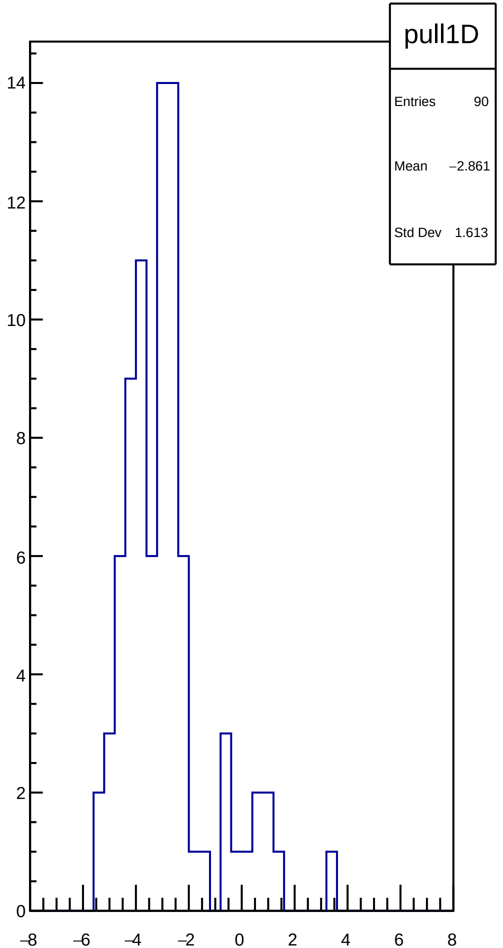

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ2 / ndf 2633 / 89
p0 −20.86 ± 0.7947
pull
Entries 90
Mean −5.466
Std Dev 54
pull1D
Entries 90
Mean 2.379
Std Dev 1.431

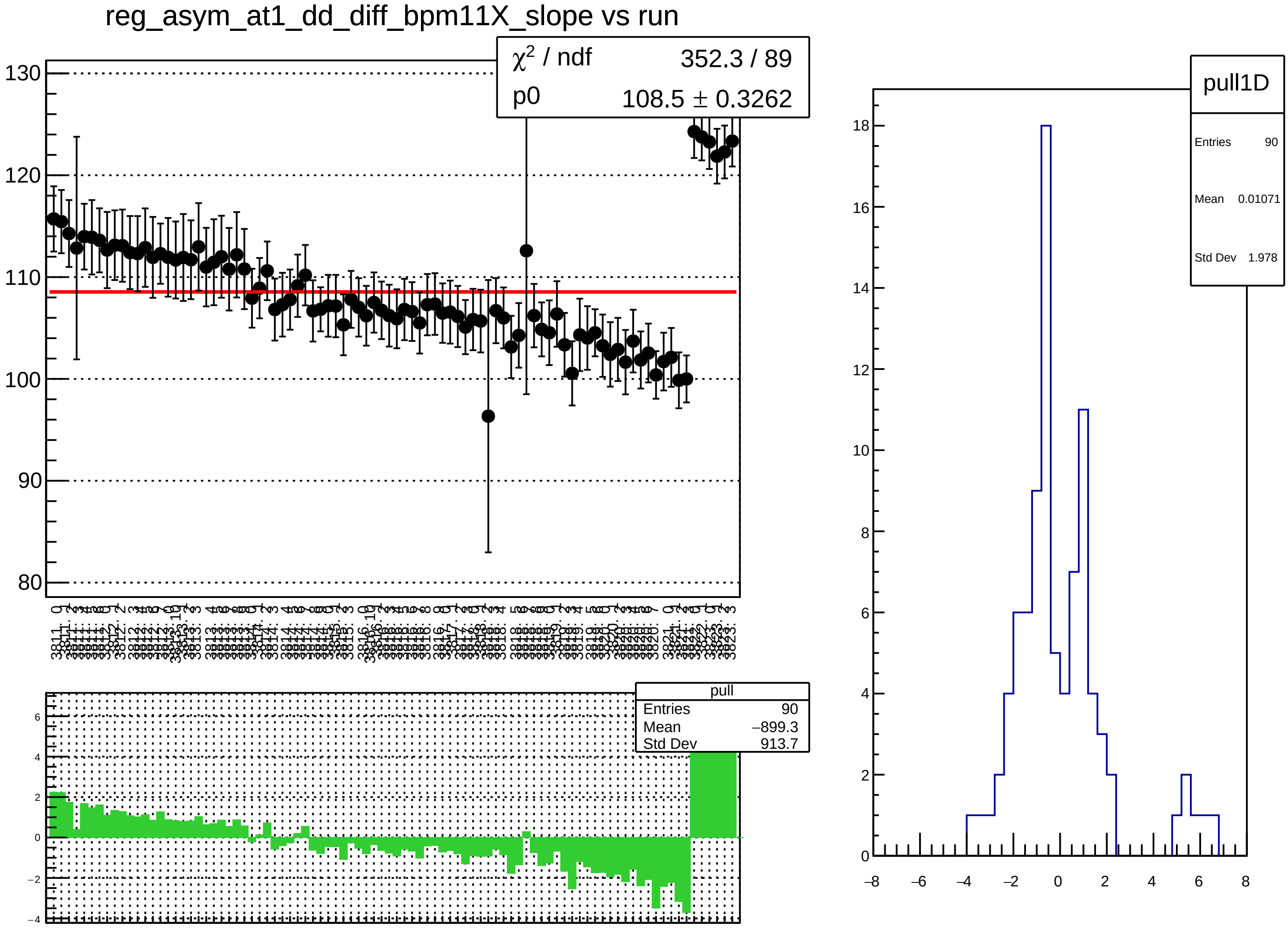


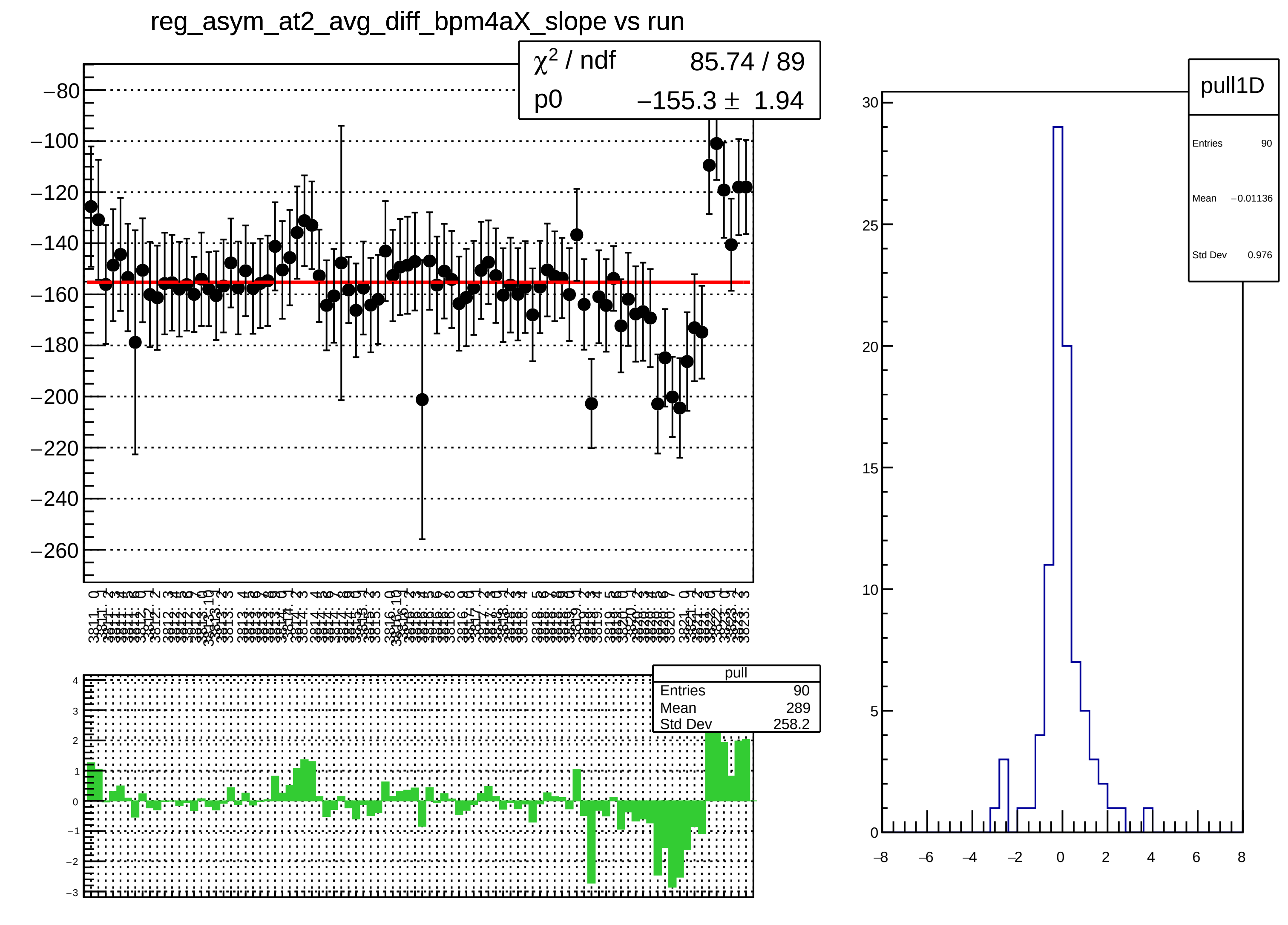
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 91.02 / 89
p0 128.5 ± 0.2304
145
140
135
130
125
120
115
pull
Entries 90
Mean 212.3
Std Dev 140.1
pull1D
Entries 90
Mean 0.01823
Std Dev 1.005

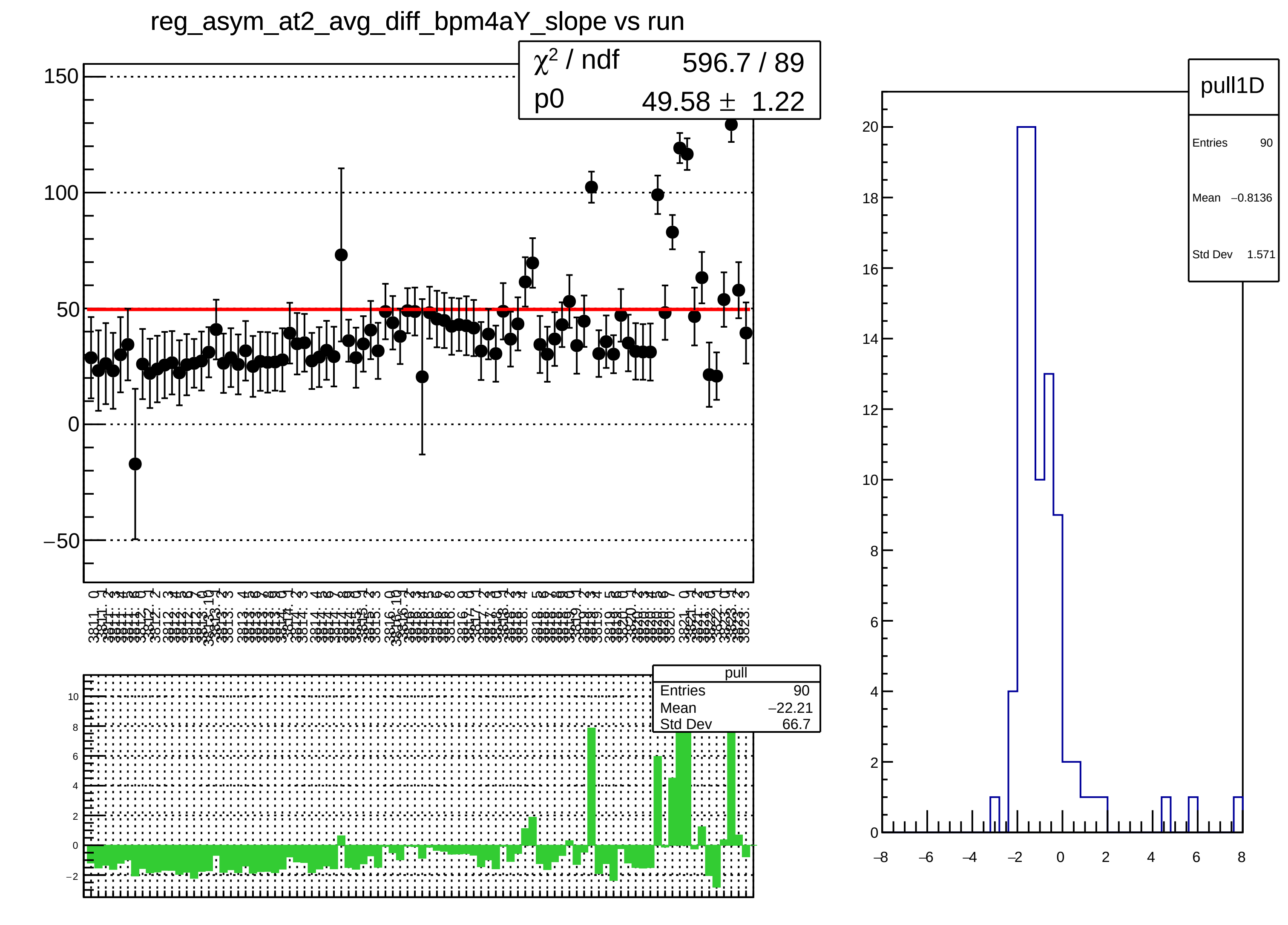
reg_asym_at1_dd_diff_bpm4eY_slope vs run

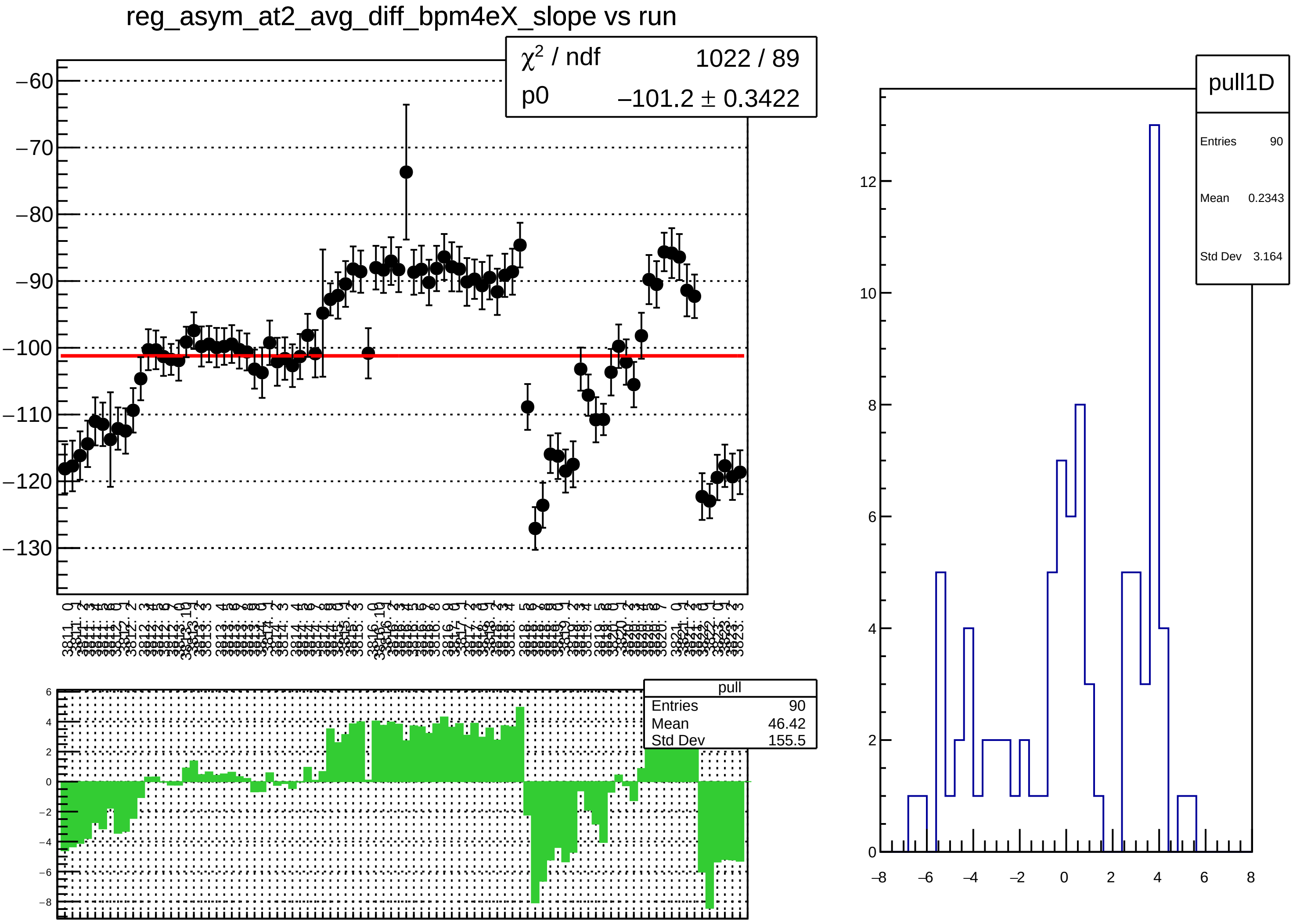


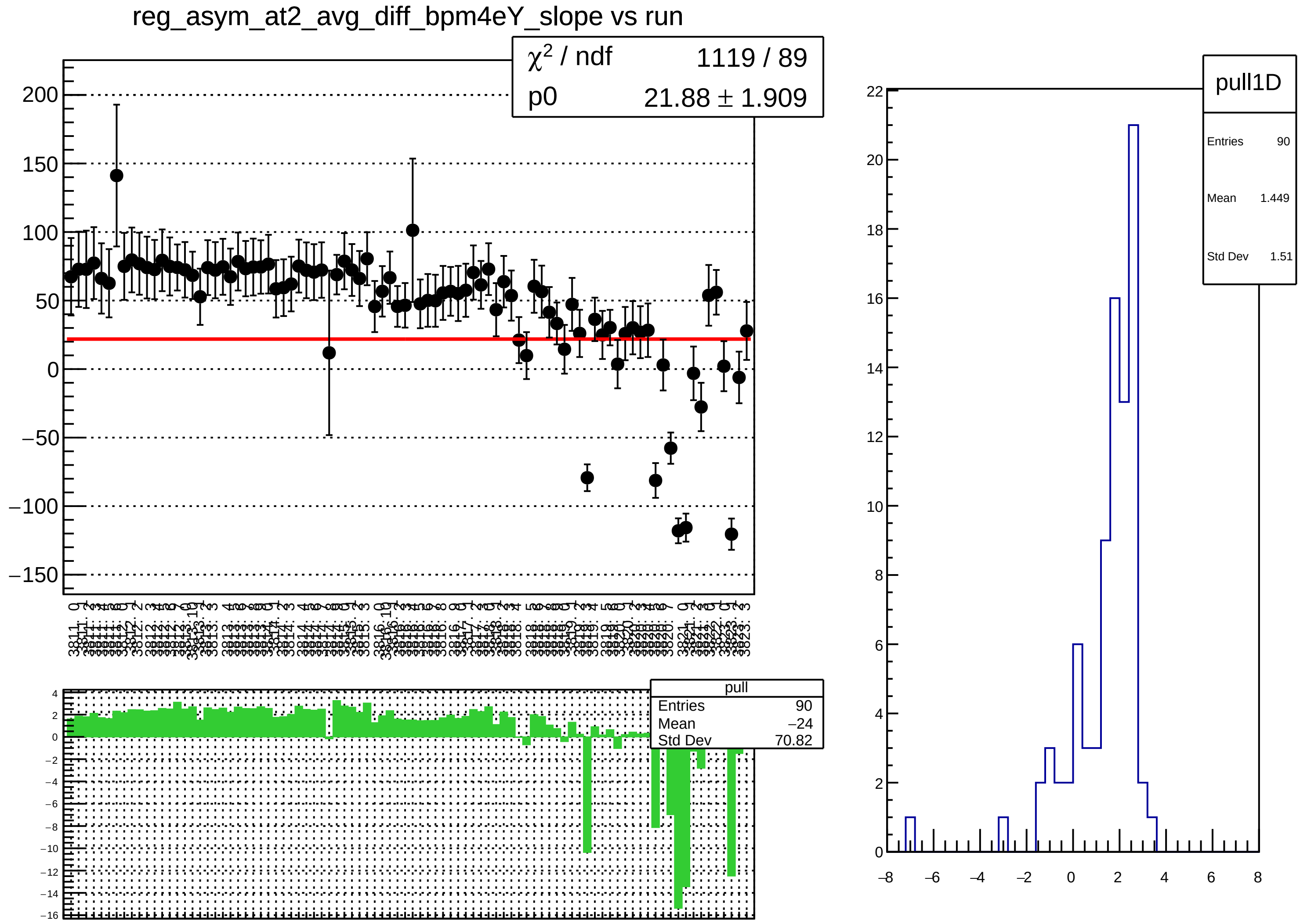



reg_asym_at1_dd_diff_bpm11X_slope vs run
χ^2 / ndf 352.3 / 89
p0 108.5 ± 0.3262
pull
Entries 90
Mean −899.3
Std Dev 913.7
pull1D
Entries 90
Mean 0.01071
Std Dev 1.978


reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 85.74 / 89
p0 −155.3 ± 1.94
pull
Entries 90
Mean 289
Std Dev 258.2
pull1D
Entries 90
Mean −0.01136
Std Dev 0.976

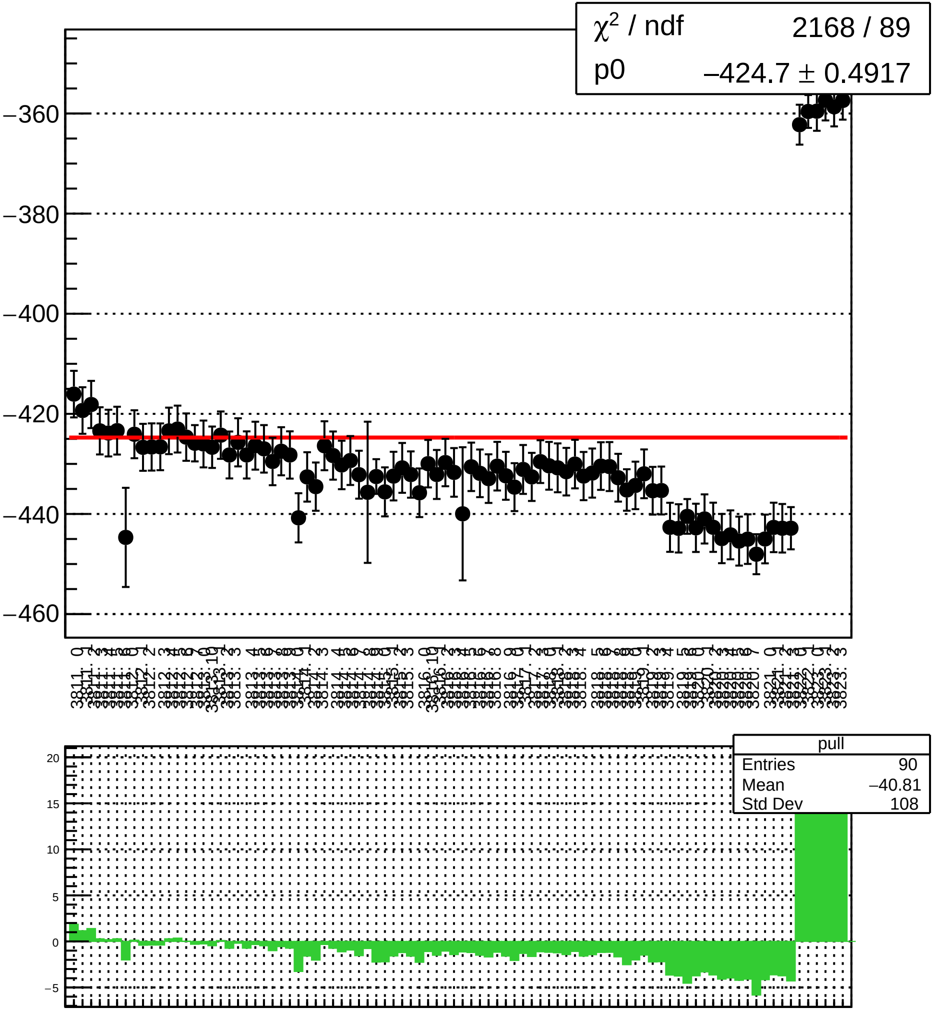

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 596.7 / 89
p0 49.58 ± 1.22
pull
Entries 90
Mean −22.21
Std Dev 66.7
pull1D
Entries 90
Mean −0.8136
Std Dev 1.571

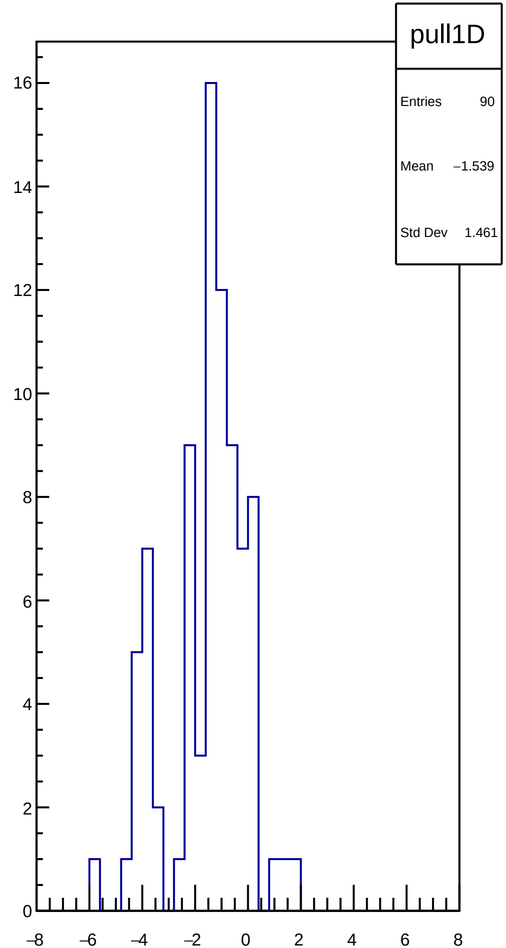

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1022 / 89
p0 −101.2 ± 0.3422
pull
Entries 90
Mean 46.42
Std Dev 155.5
pull1D
Entries 90
Mean 0.2343
Std Dev 3.164

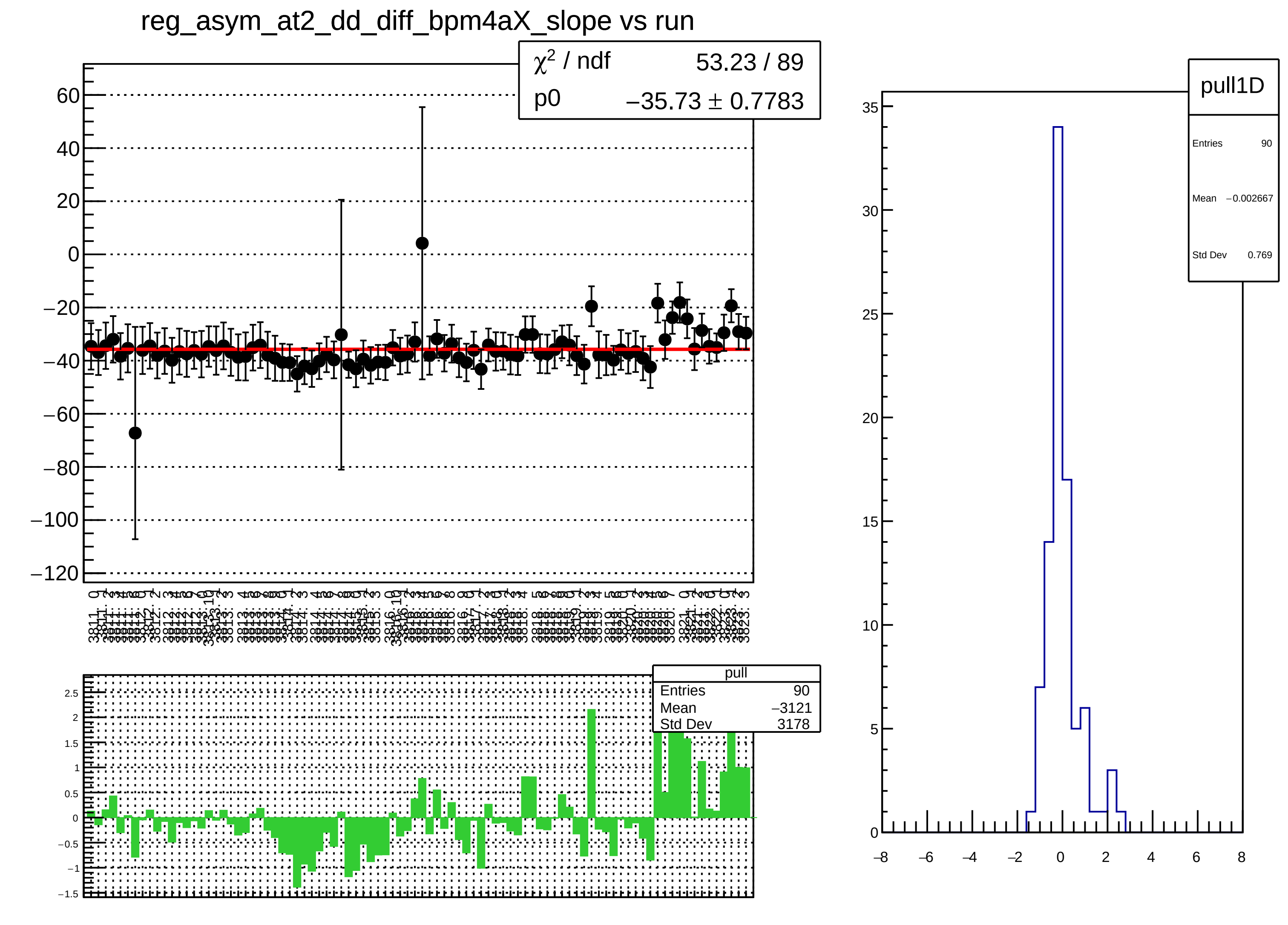


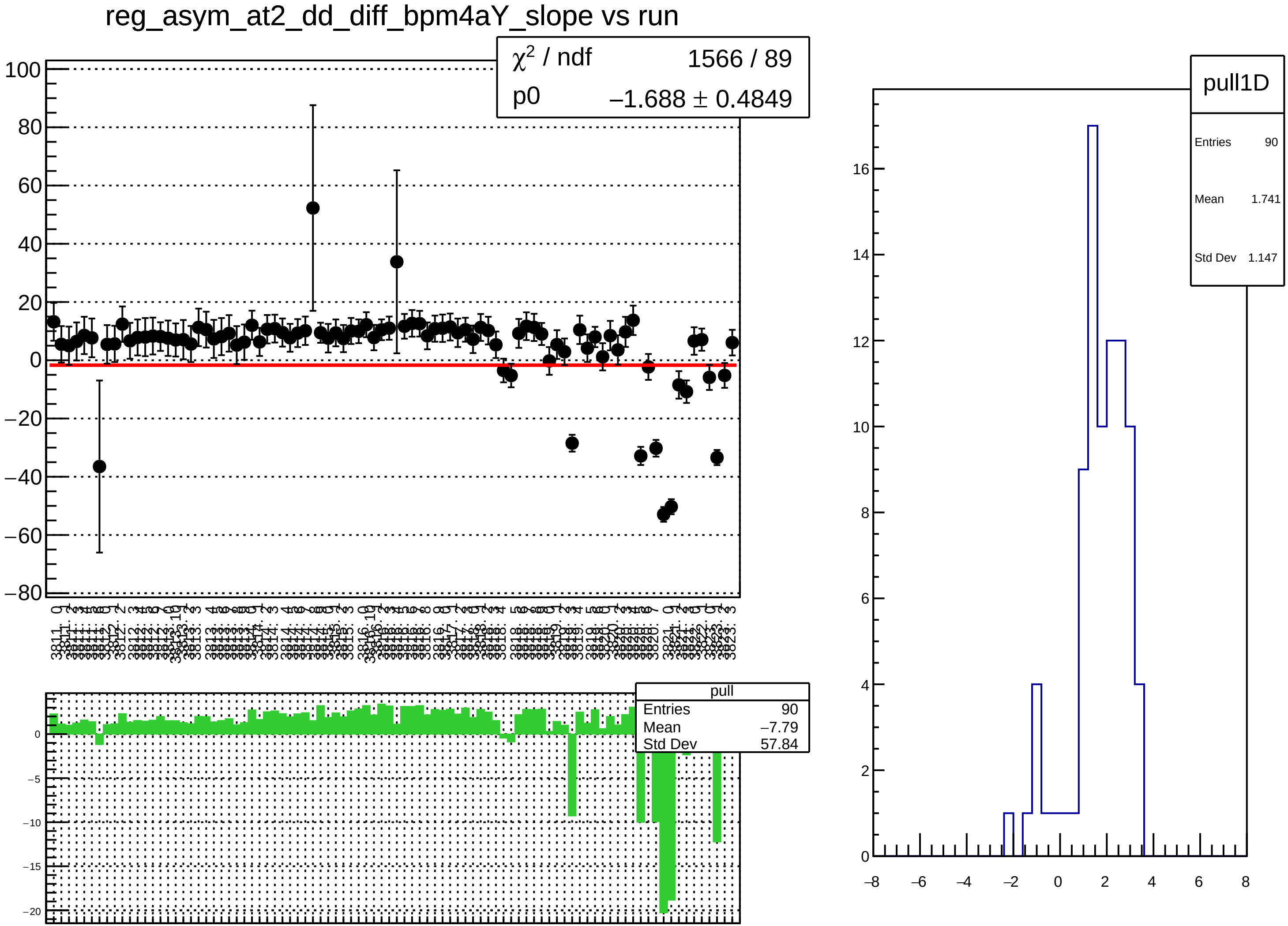
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1119 / 89
p0 21.88 ± 1.909
pull
Entries 90
Mean −24
Std Dev 70.82
pull1D
Entries 90
Mean 1.449
Std Dev 1.51

reg_asym_at2_avg_diff_bpm11X_slope vs run

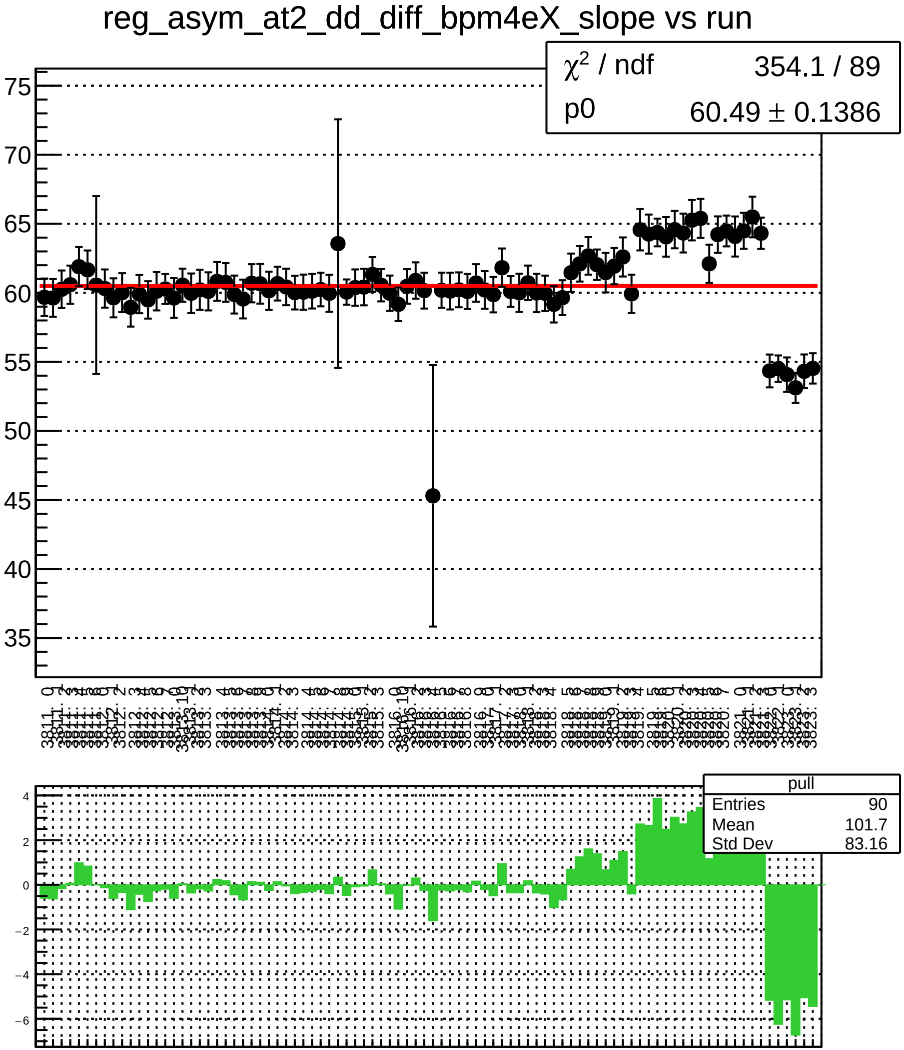


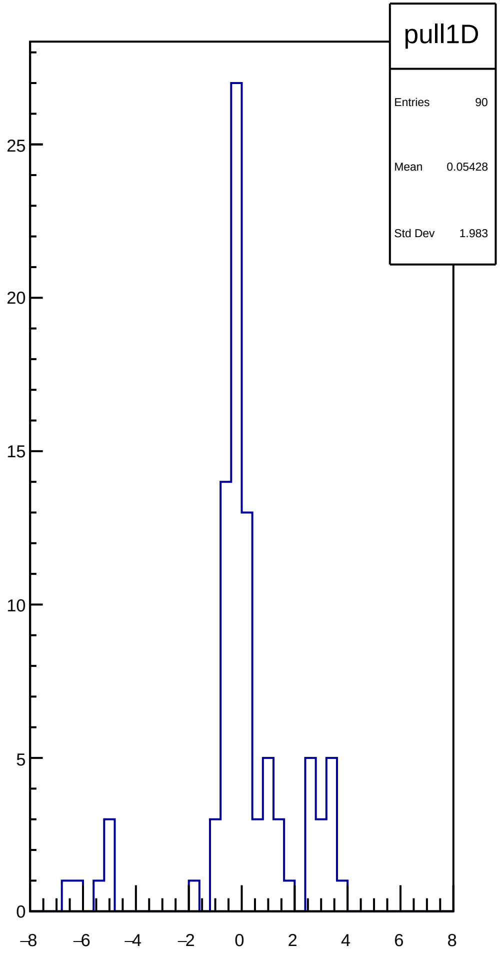



reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ2 / ndf 53.23 / 89
p0 −35.73 ± 0.7783
pull
Entries 90
Mean −3121
Std Dev 3178
pull1D
Entries 90
Mean −0.002667
Std Dev 0.769

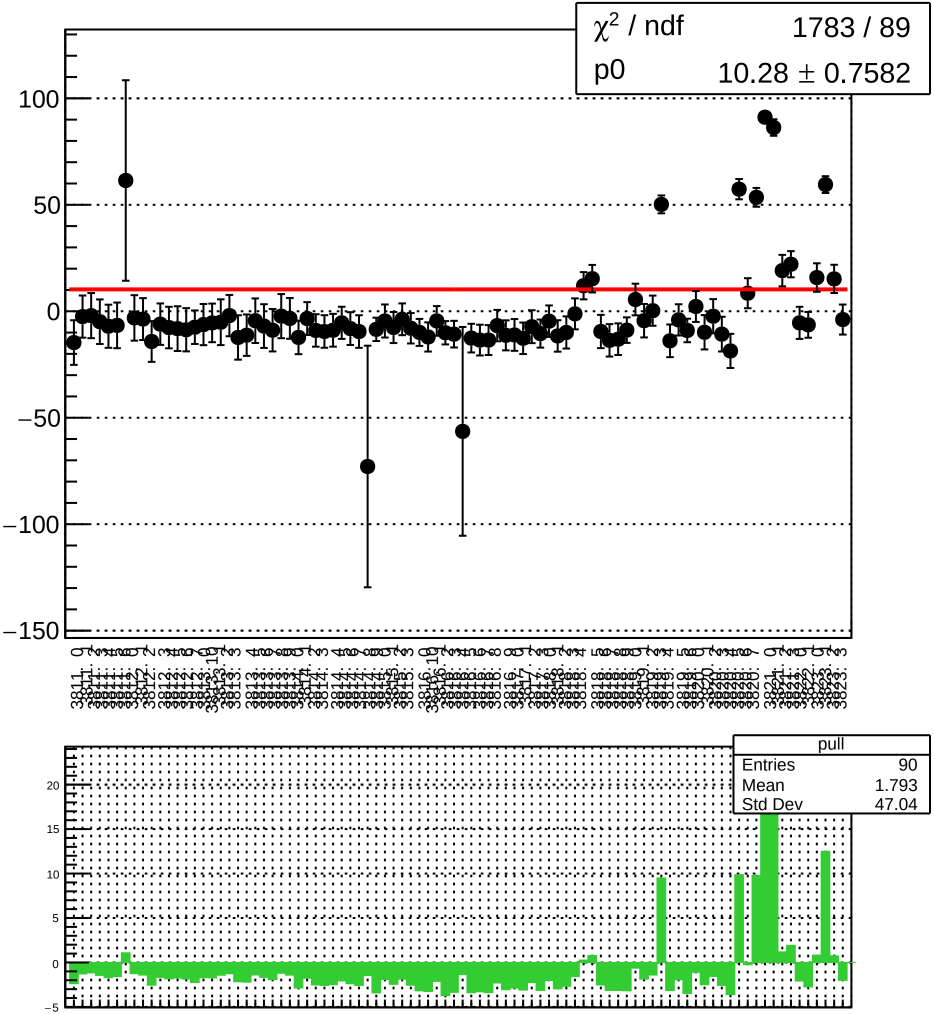


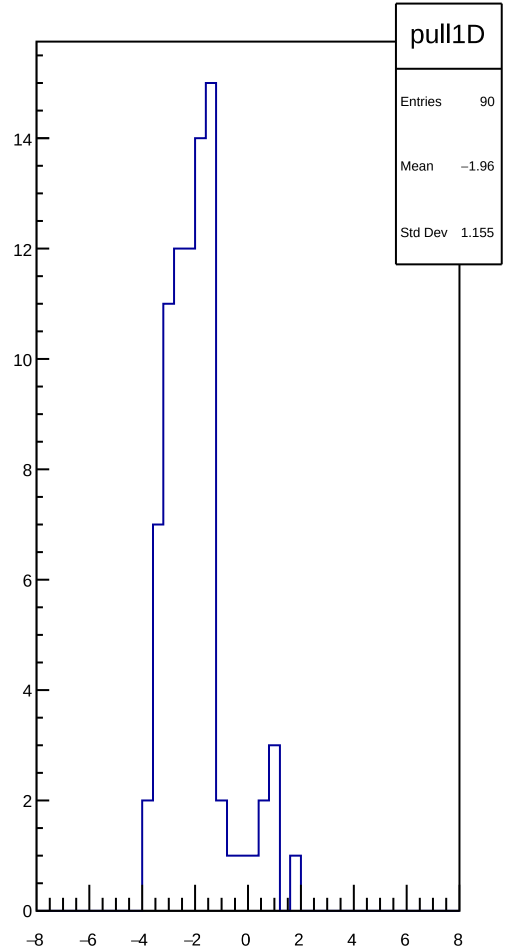
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1566 / 89
p0 −1.688 ± 0.4849
pull
Entries 90
Mean −7.79
Std Dev 57.84
pull1D
Entries 90
Mean 1.741
Std Dev 1.147

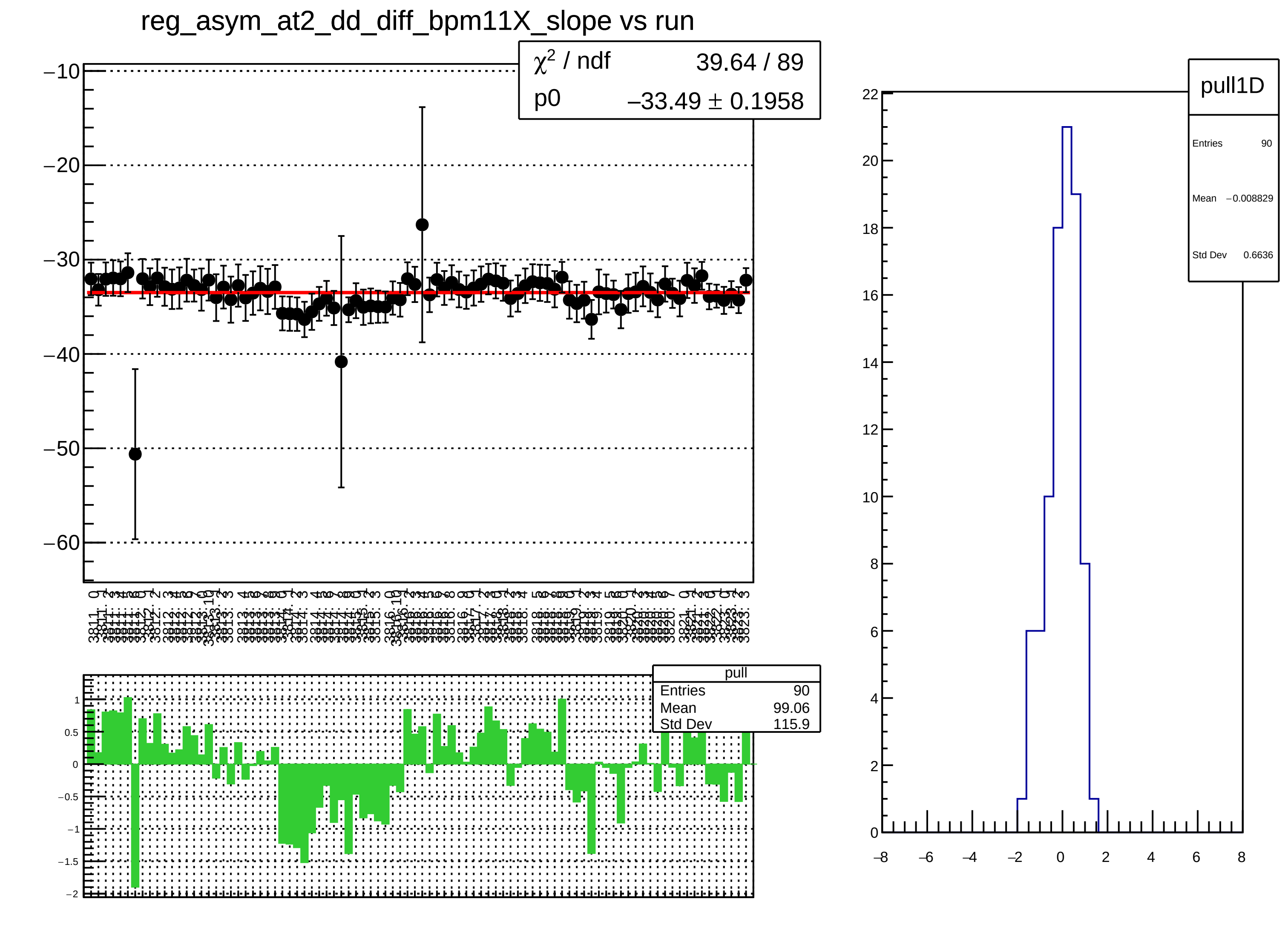

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 354.1 / 89
p0 60.49 ± 0.1386
pull
Entries 90
Mean 101.7
Std Dev 83.16


pull1D
Entries 90
Mean 0.05428
Std Dev 1.983

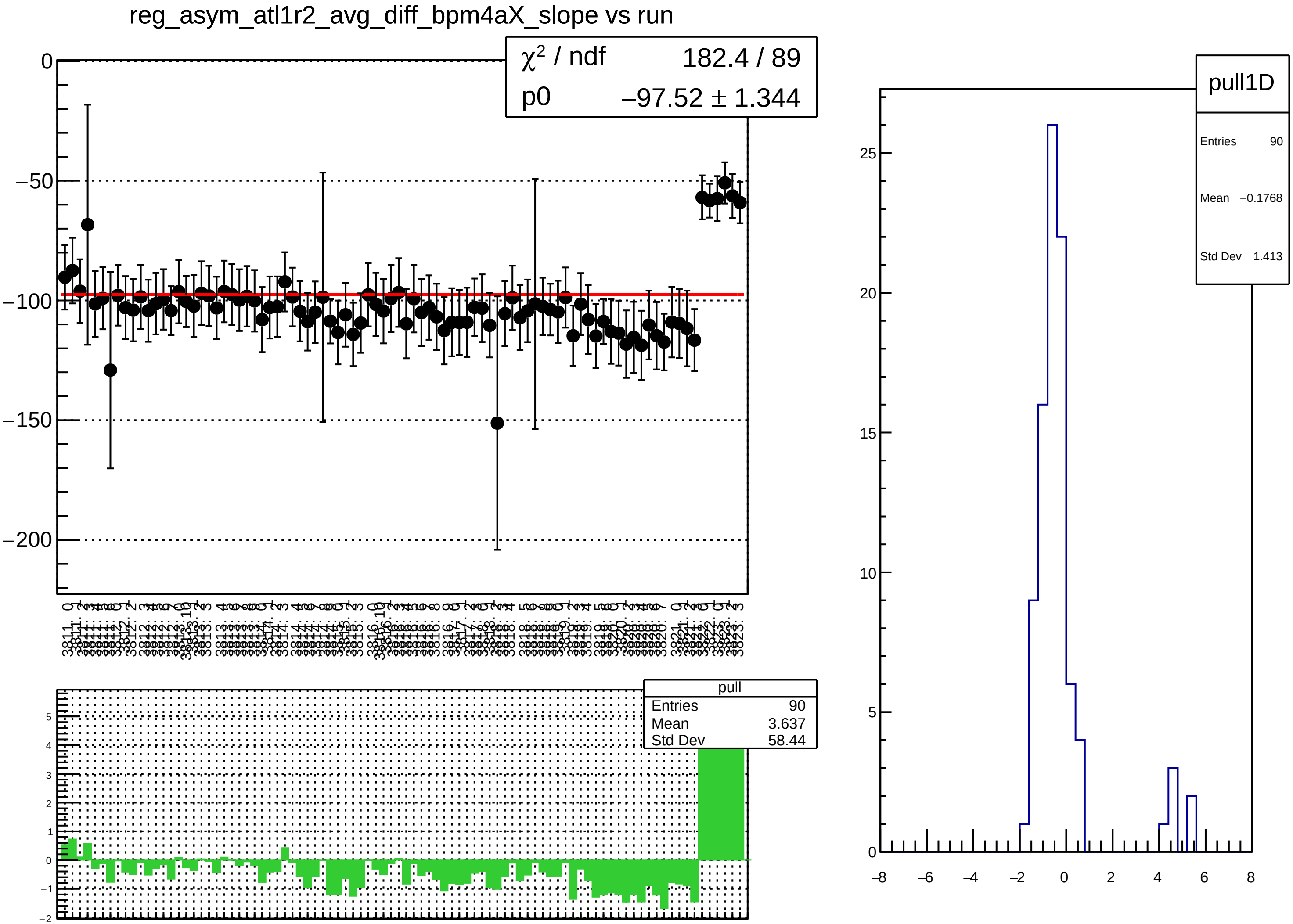
reg_asym_at2_dd_diff_bpm4eY_slope vs run



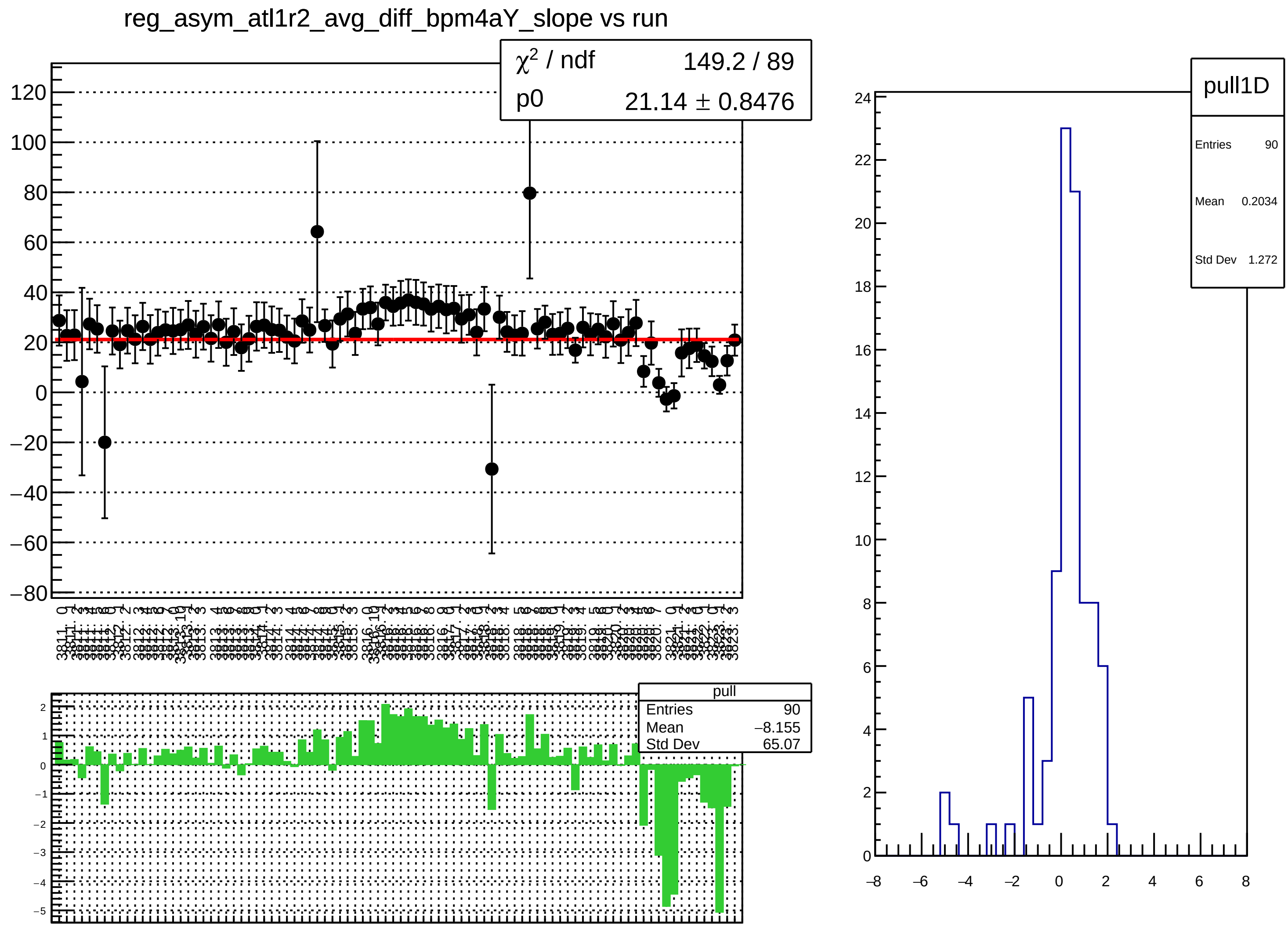




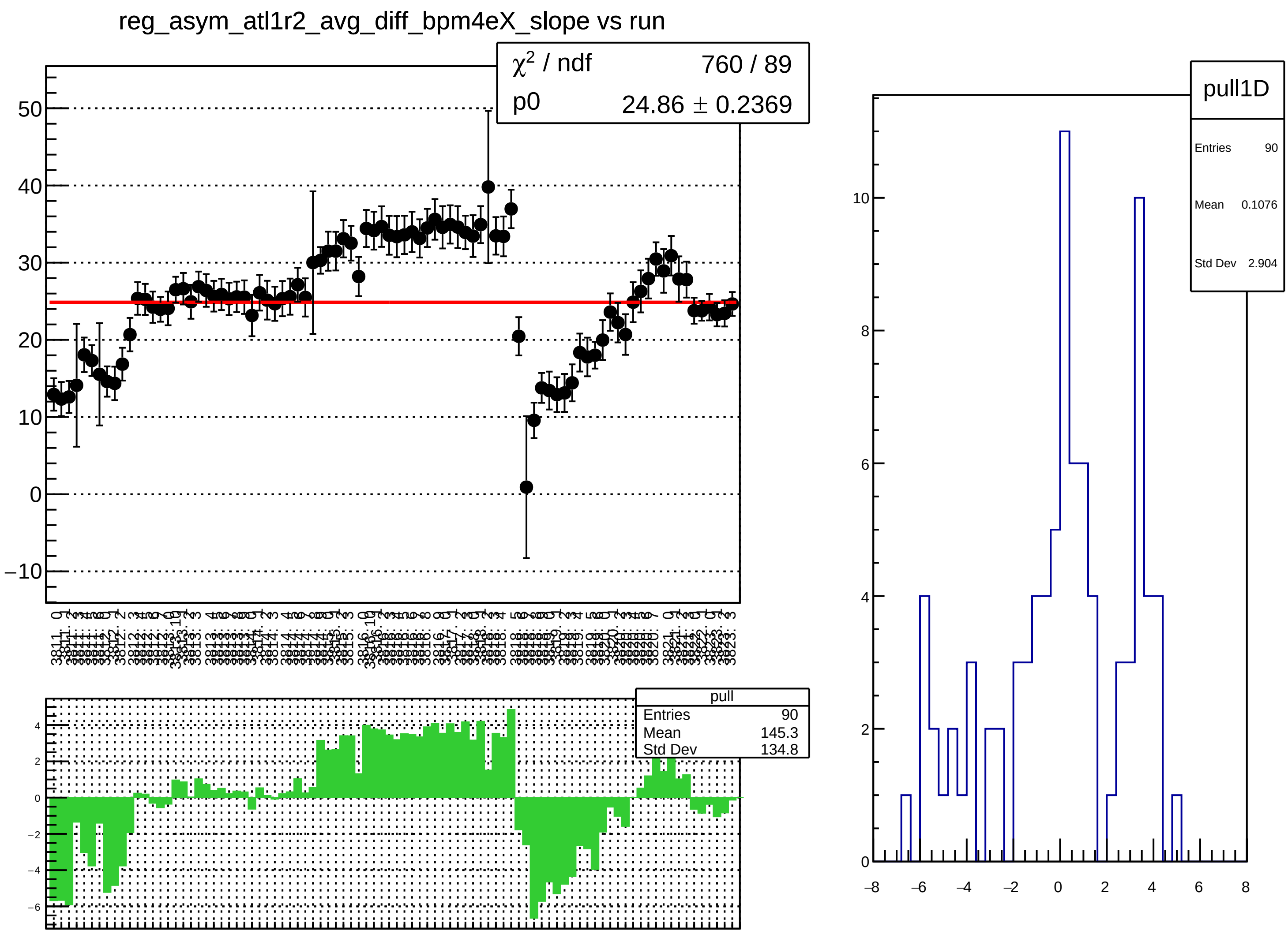
reg_asym_at2_dd_diff_bpm11X_slope vs run
χ^2 / ndf 39.64 / 89
p0 −33.49 ± 0.1958
pull
Entries 90
Mean 99.06
Std Dev 115.9
pull1D
Entries 90
Mean −0.008829
Std Dev 0.6636



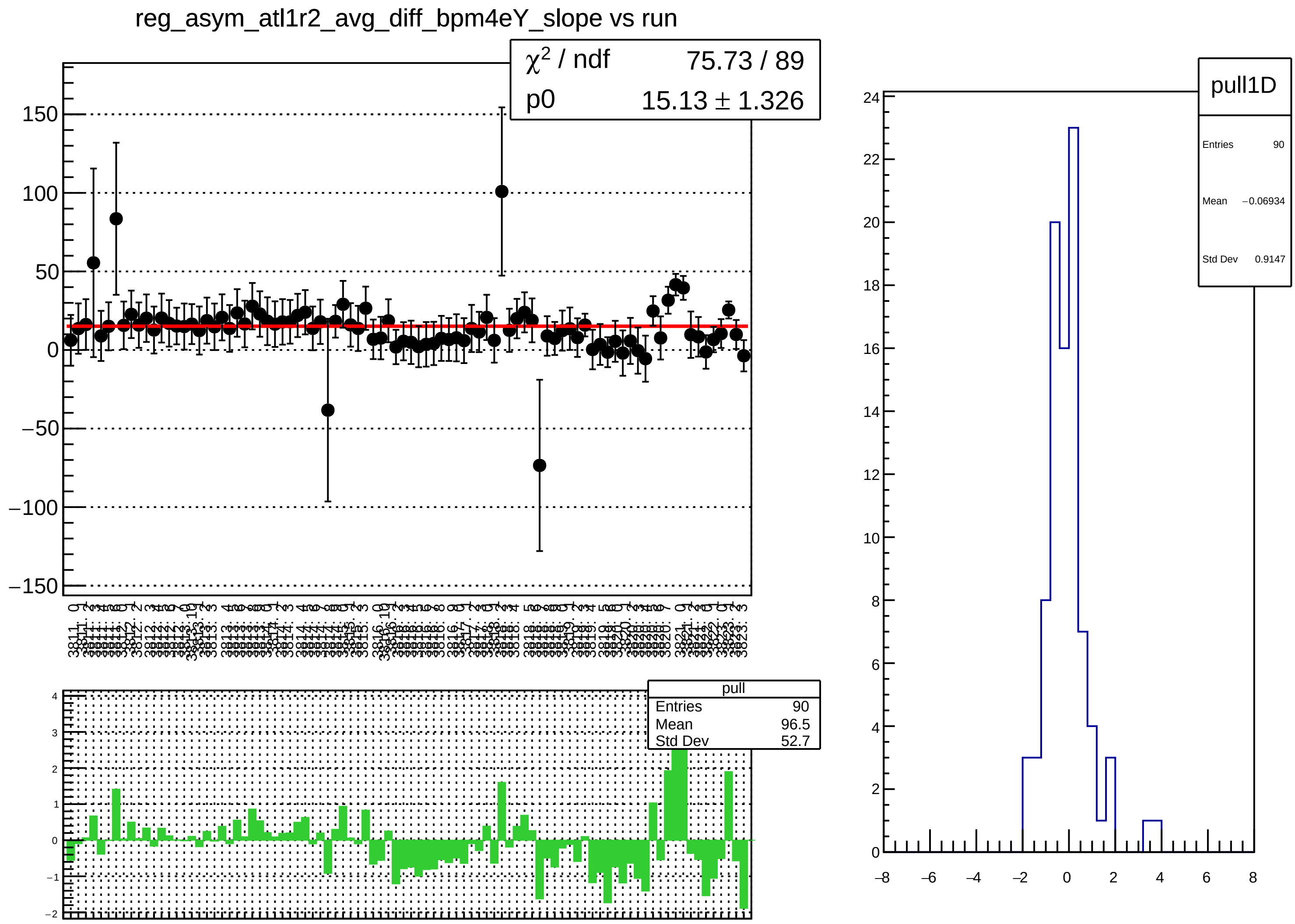
reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 182.4 / 89
p0 −97.52 ± 1.344
pull
Entries 90
Mean 3.637
Std Dev 58.44
pull1D
Entries 90
Mean −0.1768
Std Dev 1.413



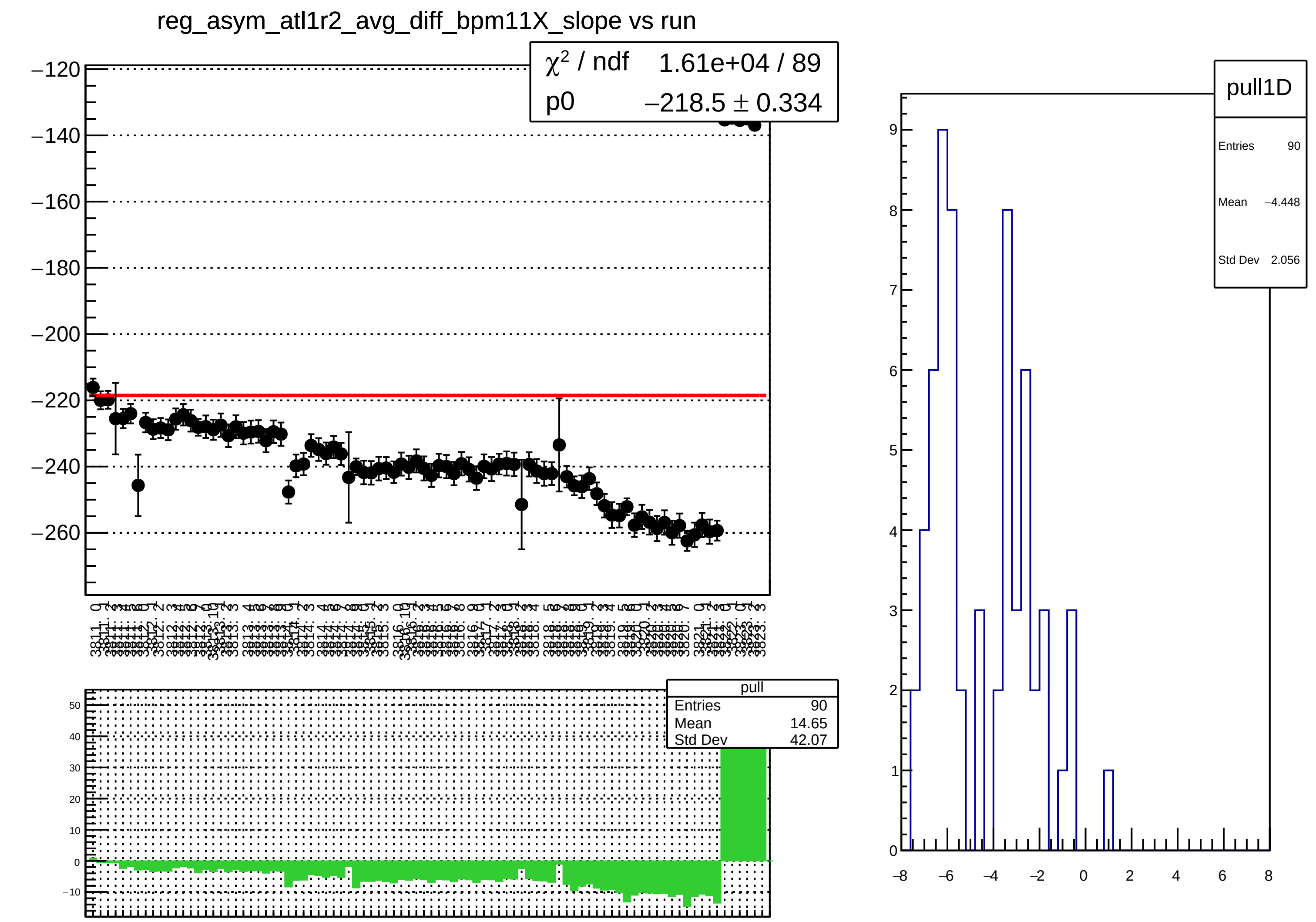
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 149.2 / 89
p0 21.14 ± 0.8476
pull
Entries 90
Mean −8.155
Std Dev 65.07
pull1D
Entries 90
Mean 0.2034
Std Dev 1.272



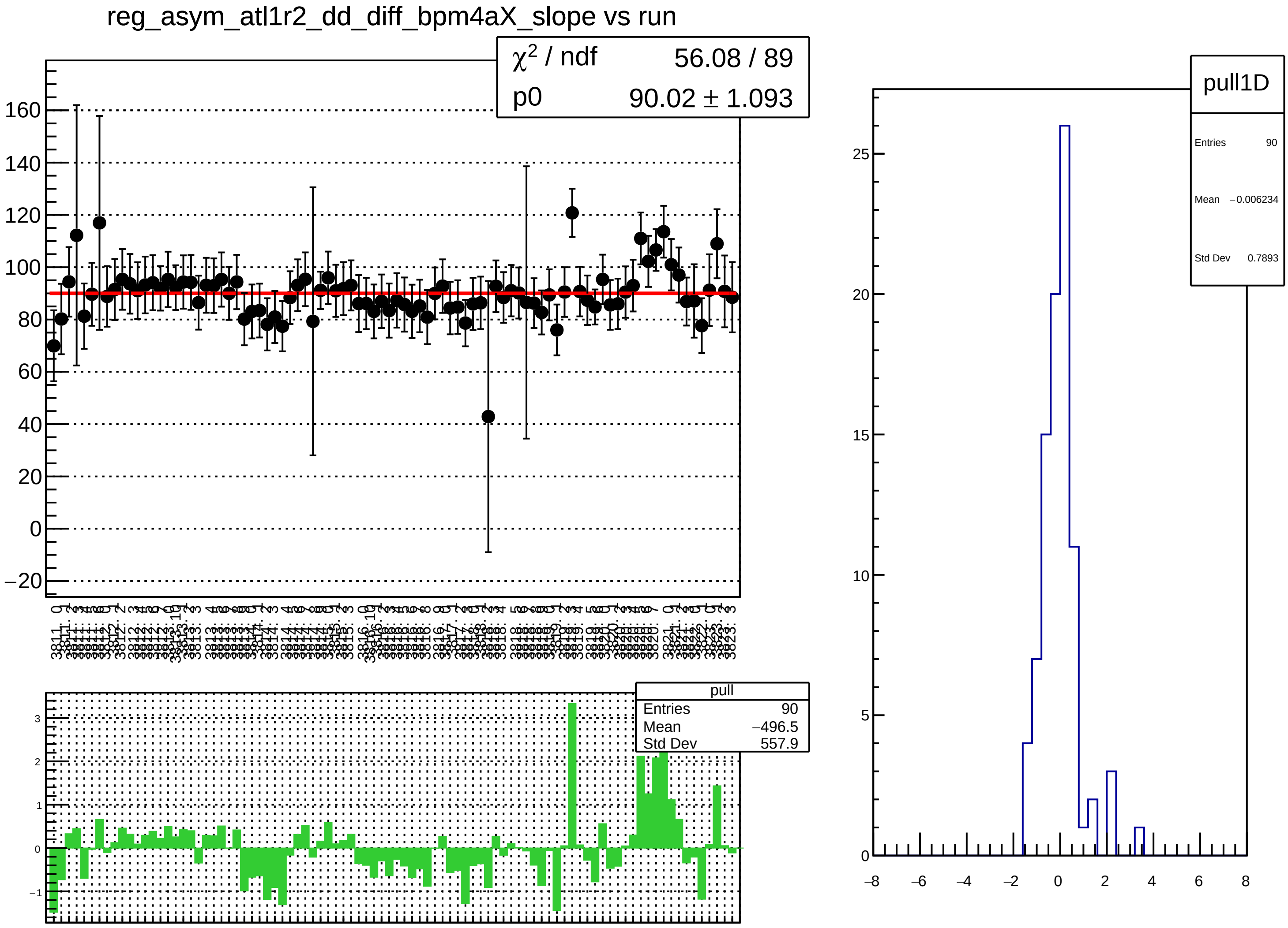
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 760 / 89
p0 24.86 ± 0.2369
pull
Entries 90
Mean 145.3
Std Dev 134.8
pull1D
Entries 90
Mean 0.1076
Std Dev 2.904



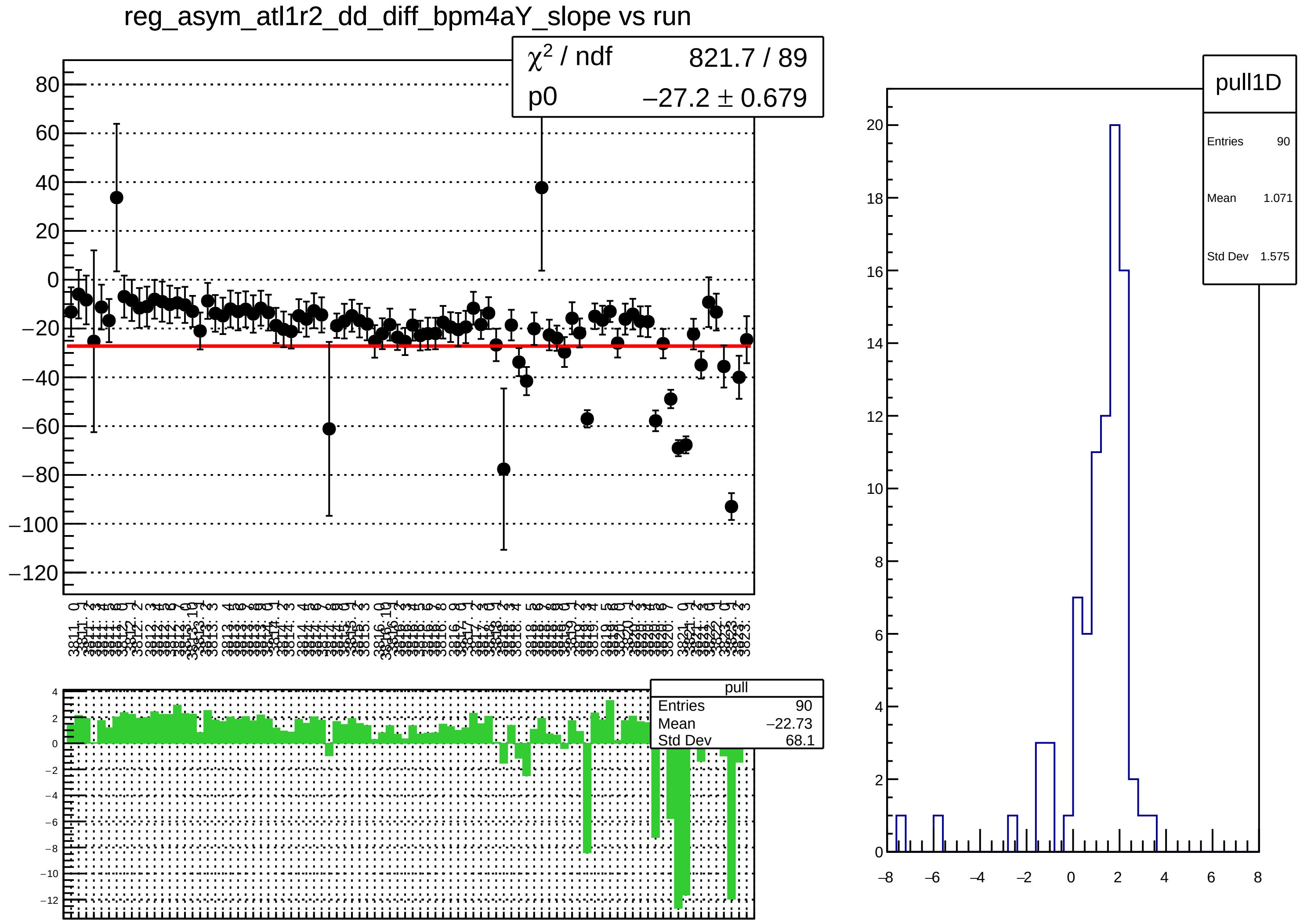
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 75.73 / 89
p0 15.13 ± 1.326
pull
Entries 90
Mean 96.5
Std Dev 52.7
pull1D
Entries 90
Mean −0.06934
Std Dev 0.9147



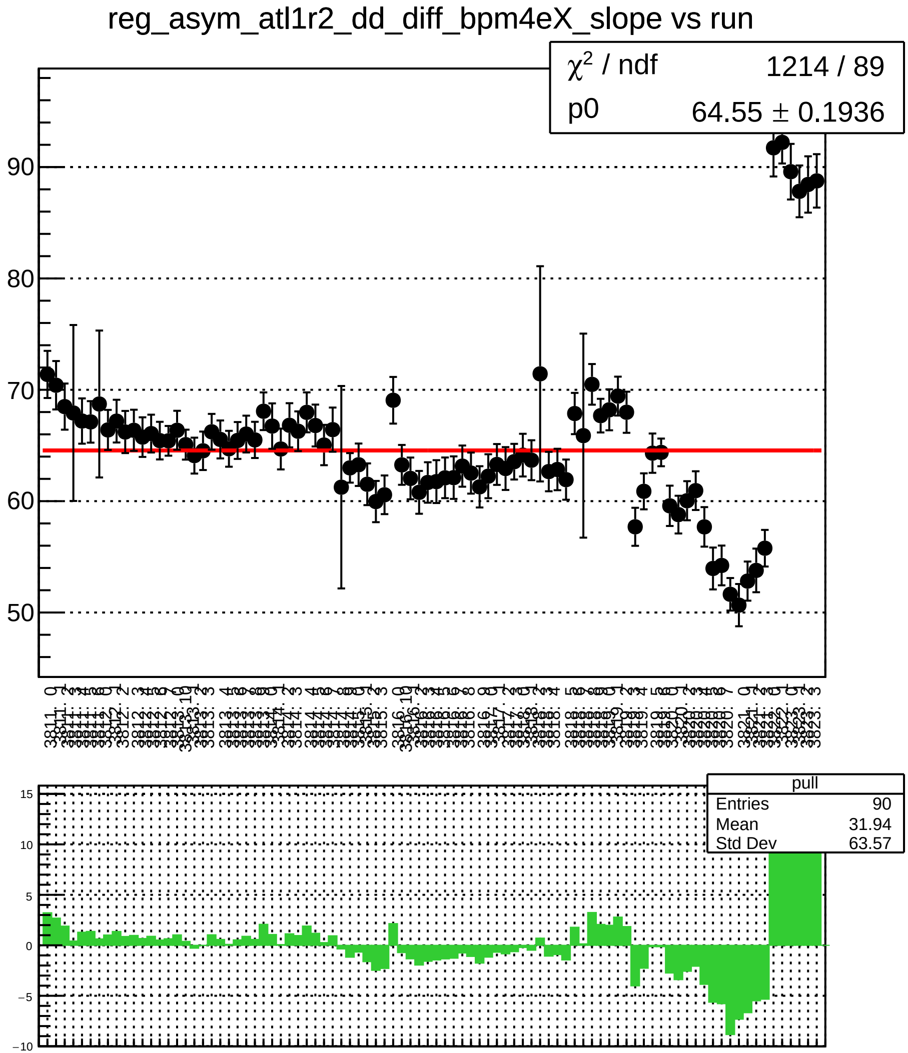
reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ^2 / ndf 1.61e+04 / 89
p0 −218.5 ± 0.334
pull
Entries 90
Mean 14.65
Std Dev 42.07
pull1D
Entries 90
Mean −4.448
Std Dev 2.056



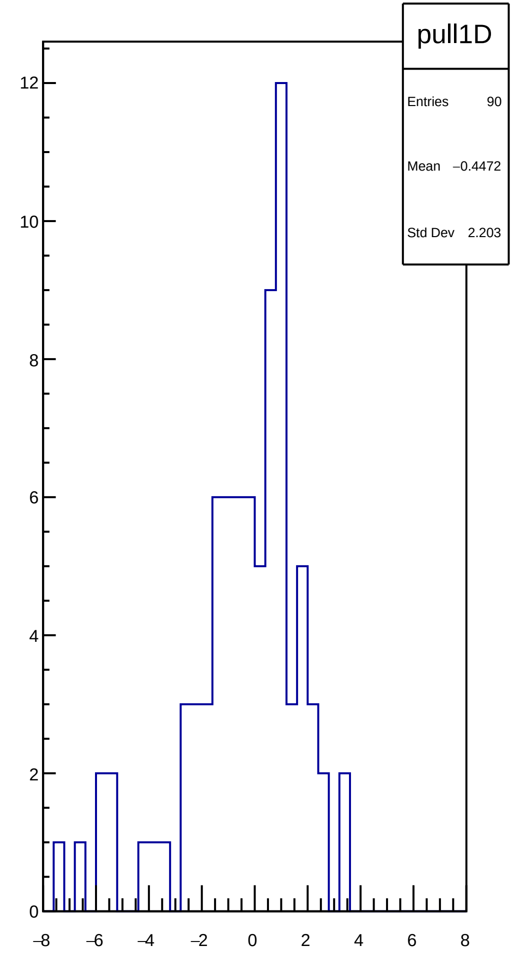
reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 56.08 / 89
p0 90.02 ± 1.093
pull
Entries 90
Mean −496.5
Std Dev 557.9
pull1D
Entries 90
Mean −0.006234
Std Dev 0.7893



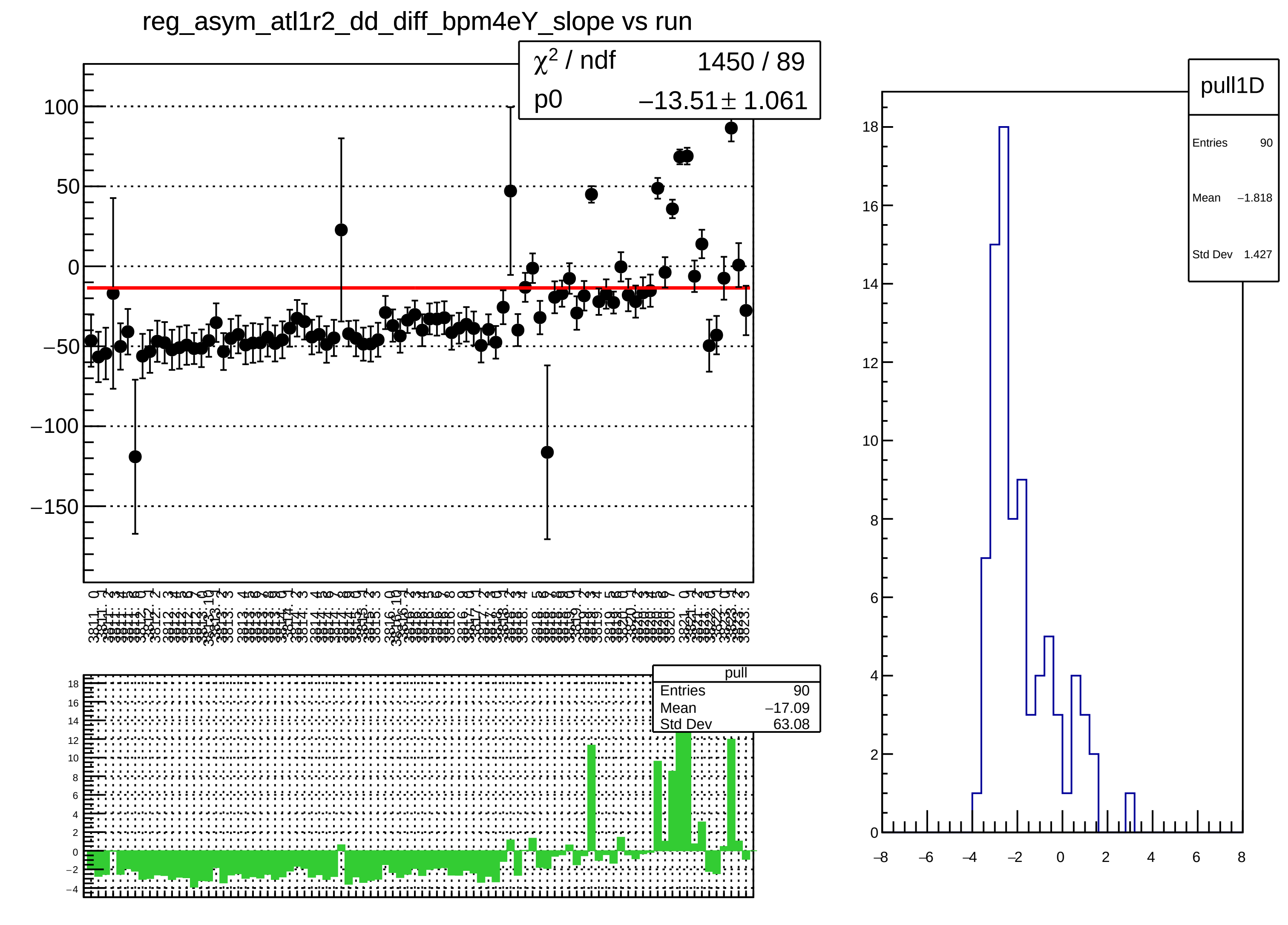
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 821.7 / 89
p0 −27.2 ± 0.679
pull
Entries 90
Mean −22.73
Std Dev 68.1
pull1D
Entries 90
Mean 1.071
Std Dev 1.575

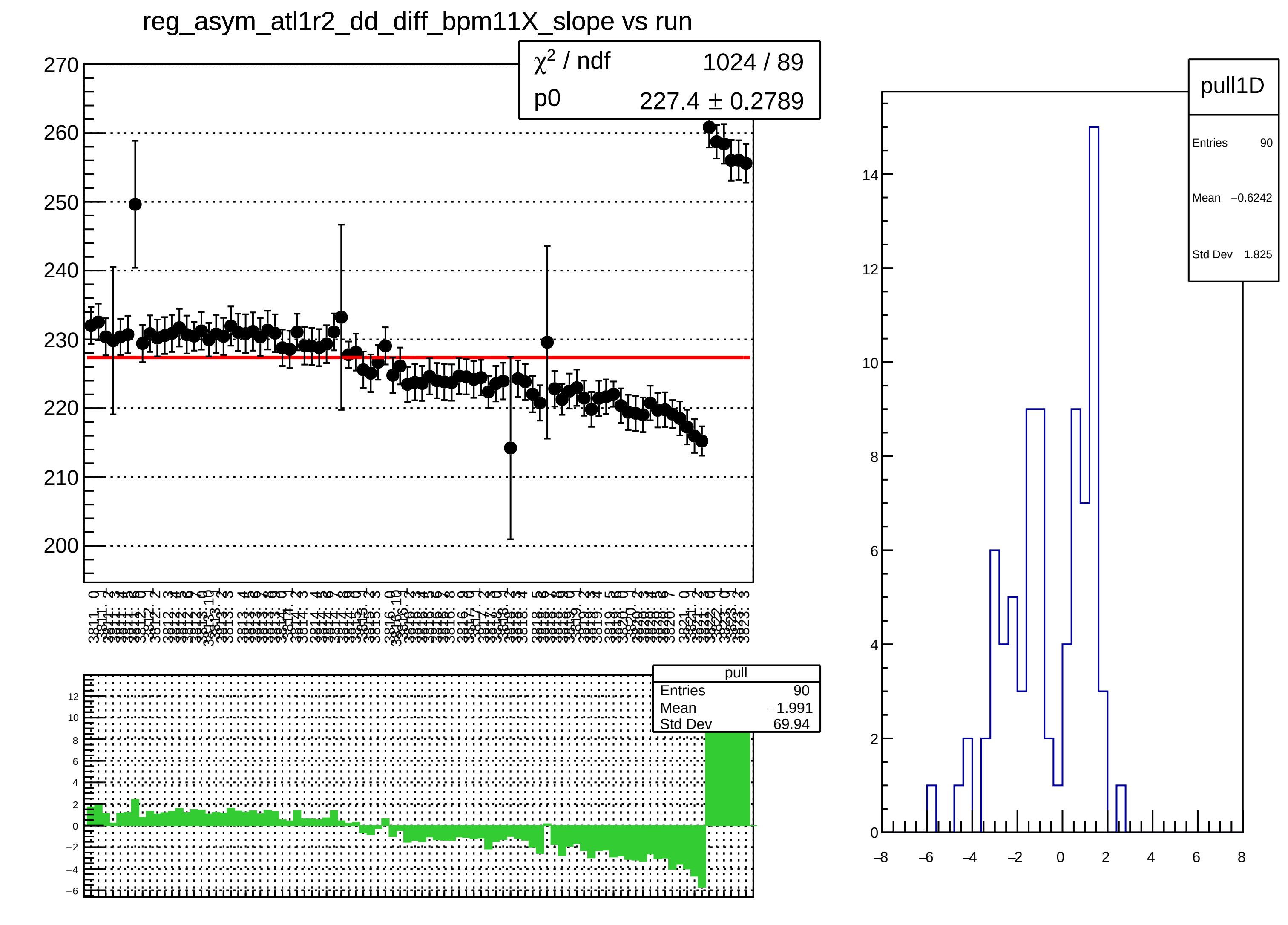


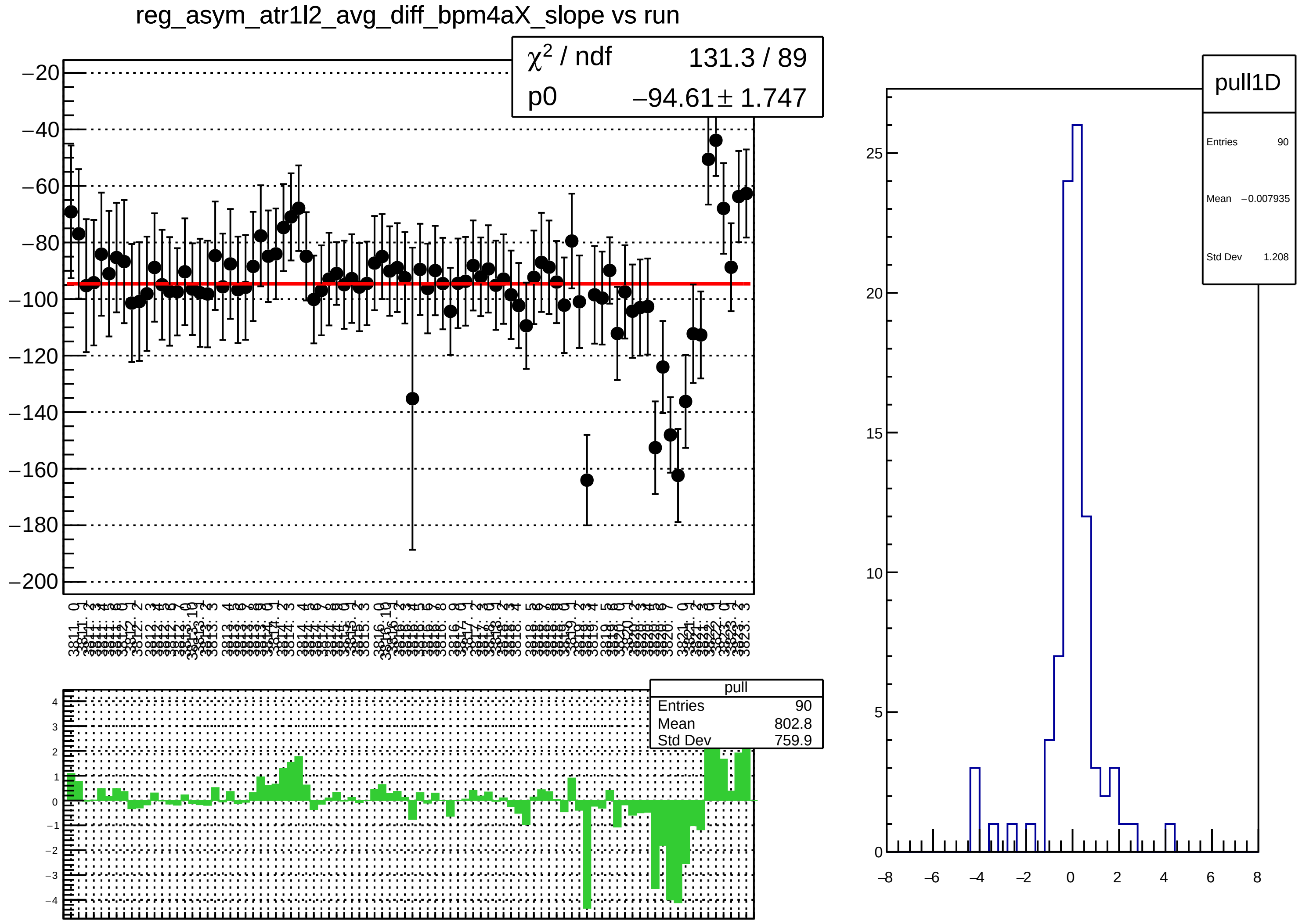
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1214 / 89
p0 64.55 ± 0.1936
pull
Entries 90
Mean 31.94
Std Dev 63.57



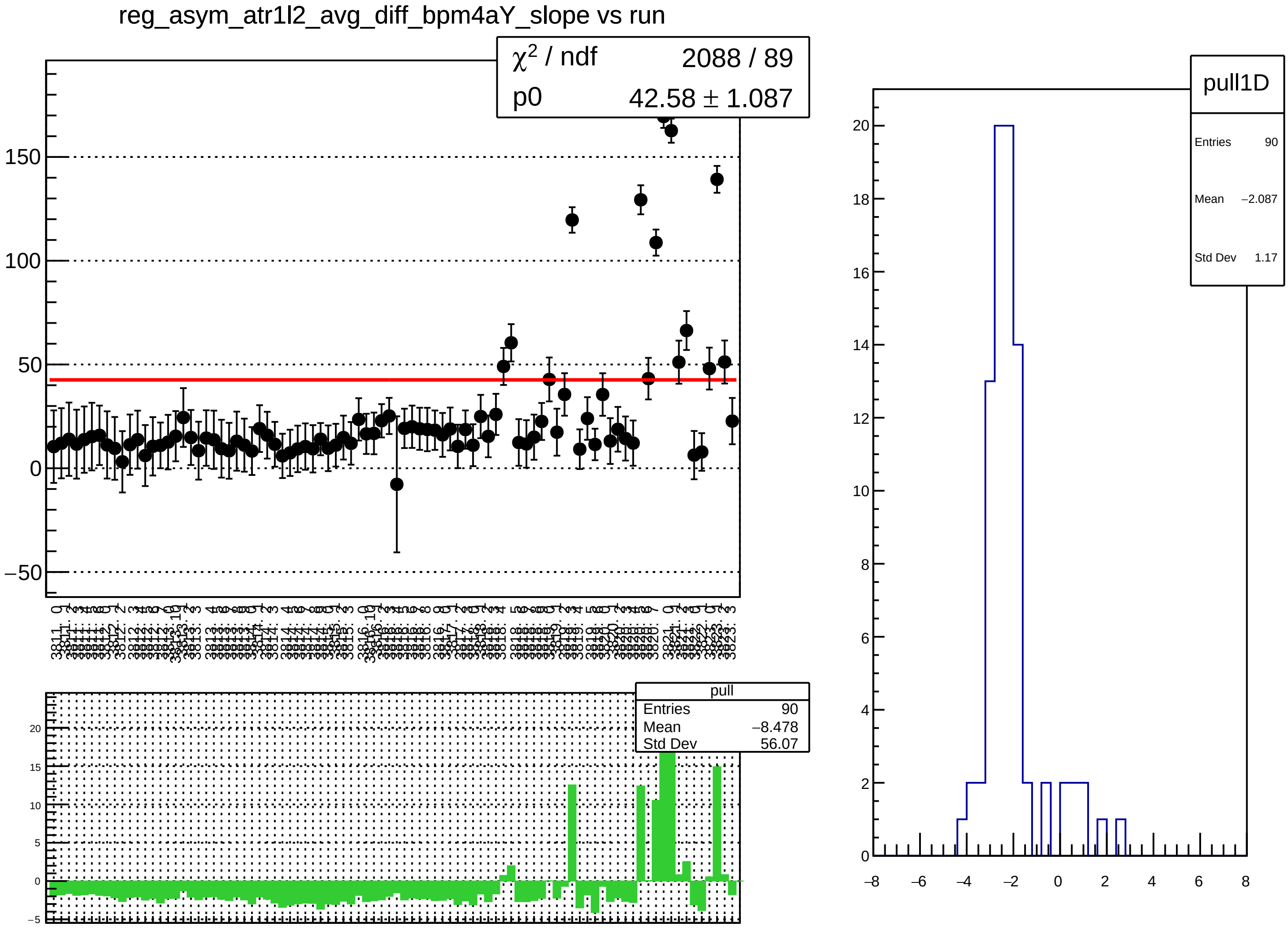
pull1D
Entries 90
Mean −0.4472
Std Dev 2.203

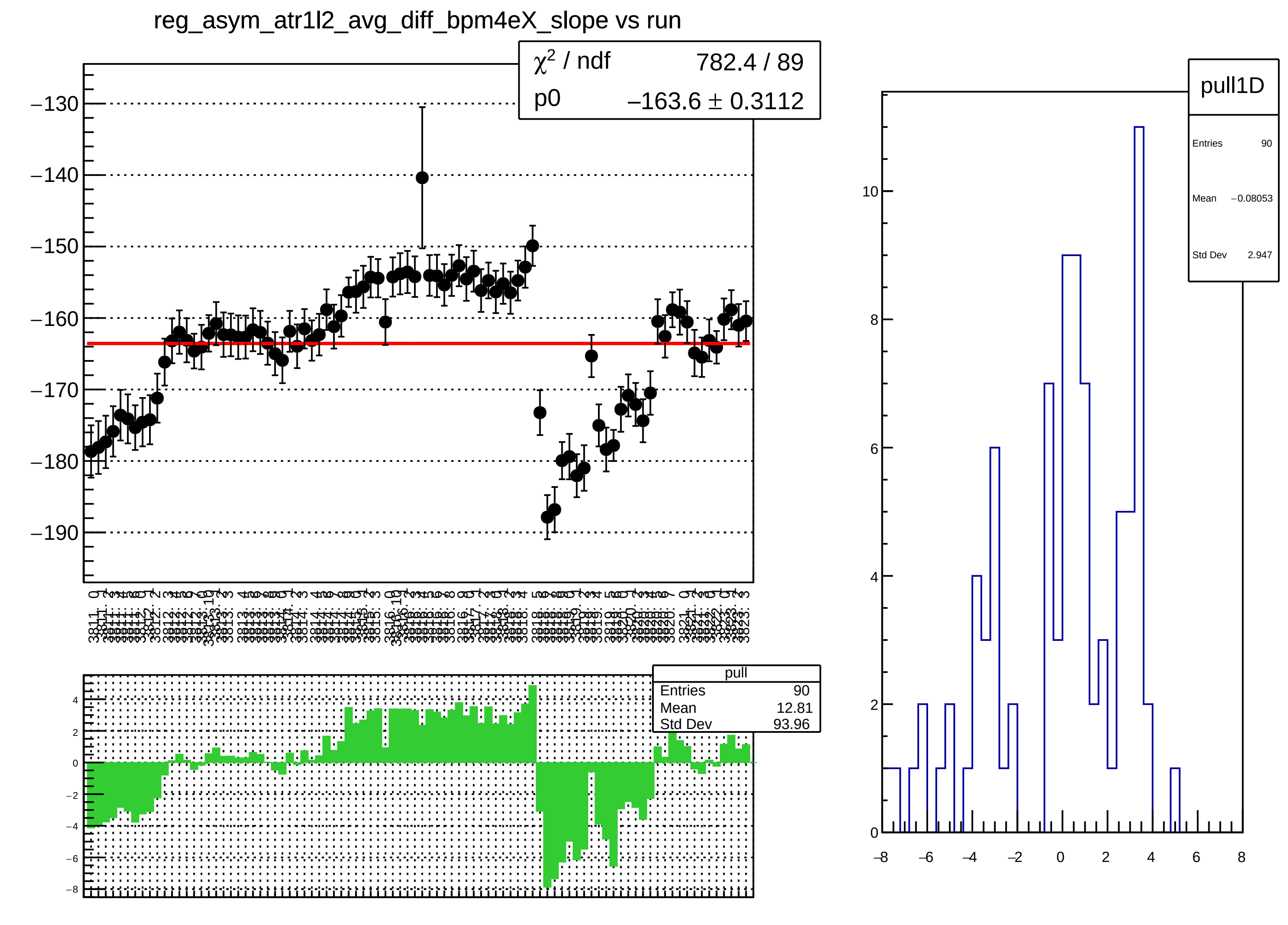

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 1450 / 89
p0 −13.51 ± 1.061
pull
Entries 90
Mean −17.09
Std Dev 63.08
pull1D
Entries 90
Mean −1.818
Std Dev 1.427


reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ2 / ndf 1024 / 89
p0 227.4 ± 0.2789
pull
Entries 90
Mean −1.991
Std Dev 69.94
pull1D
Entries 90
Mean −0.6242
Std Dev 1.825

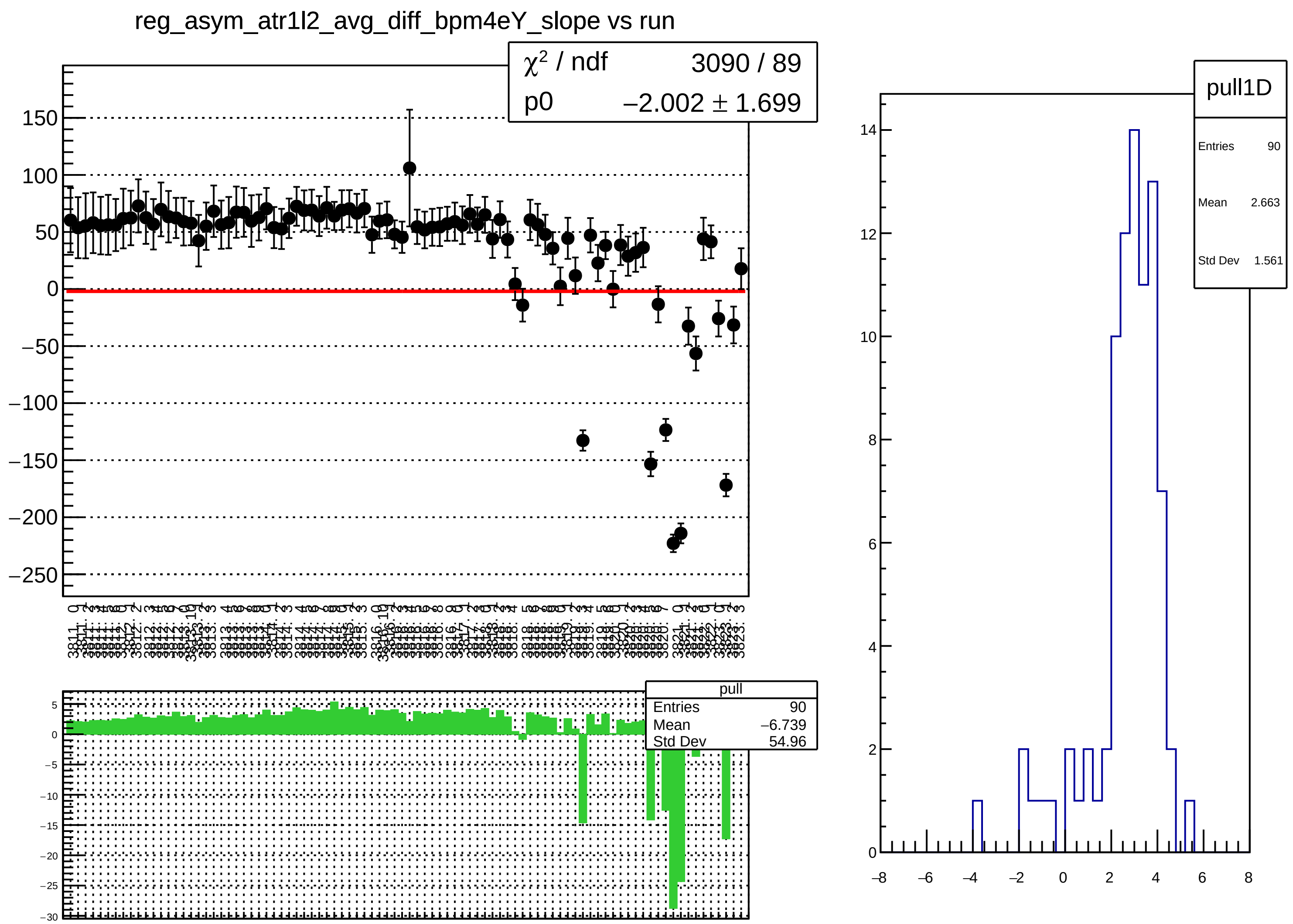


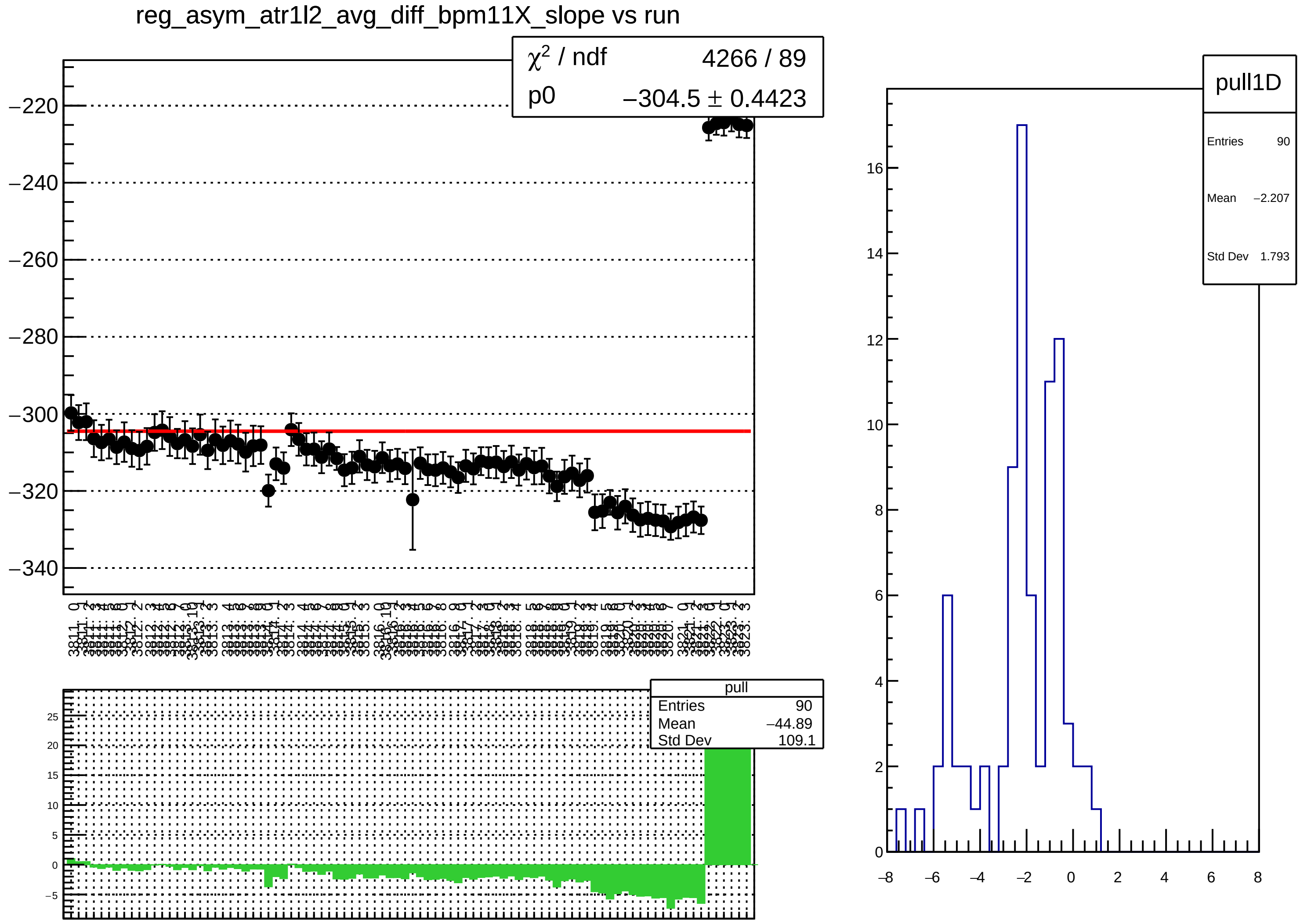
reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 131.3 / 89
p0 −94.61 ± 1.747
pull
Entries 90
Mean 802.8
Std Dev 759.9
pull1D
Entries 90
Mean −0.007935
Std Dev 1.208


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 2088 / 89
p0 42.58 ± 1.087
pull
Entries 90
Mean −8.478
Std Dev 56.07
pull1D
Entries 90
Mean −2.087
Std Dev 1.17

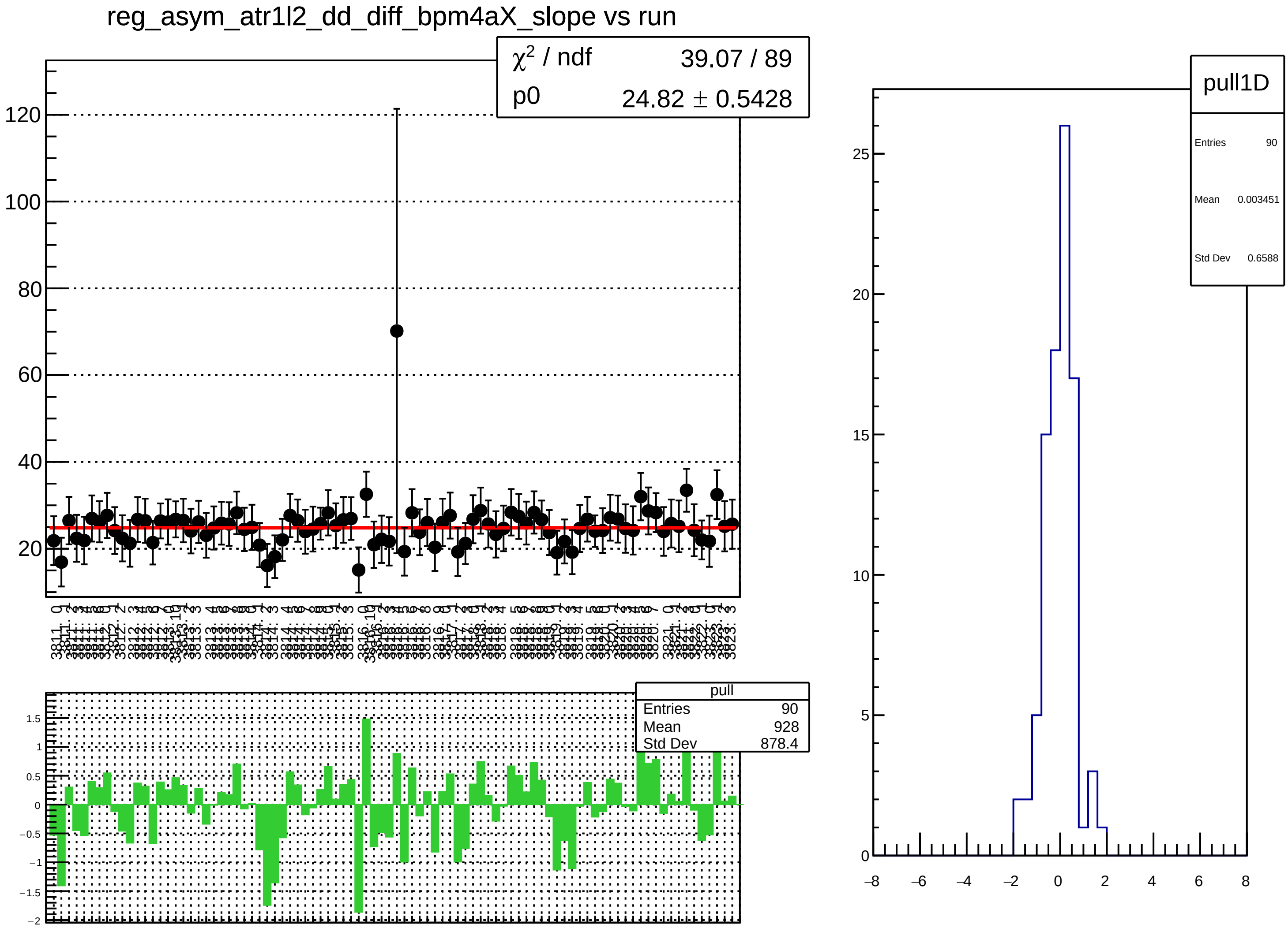


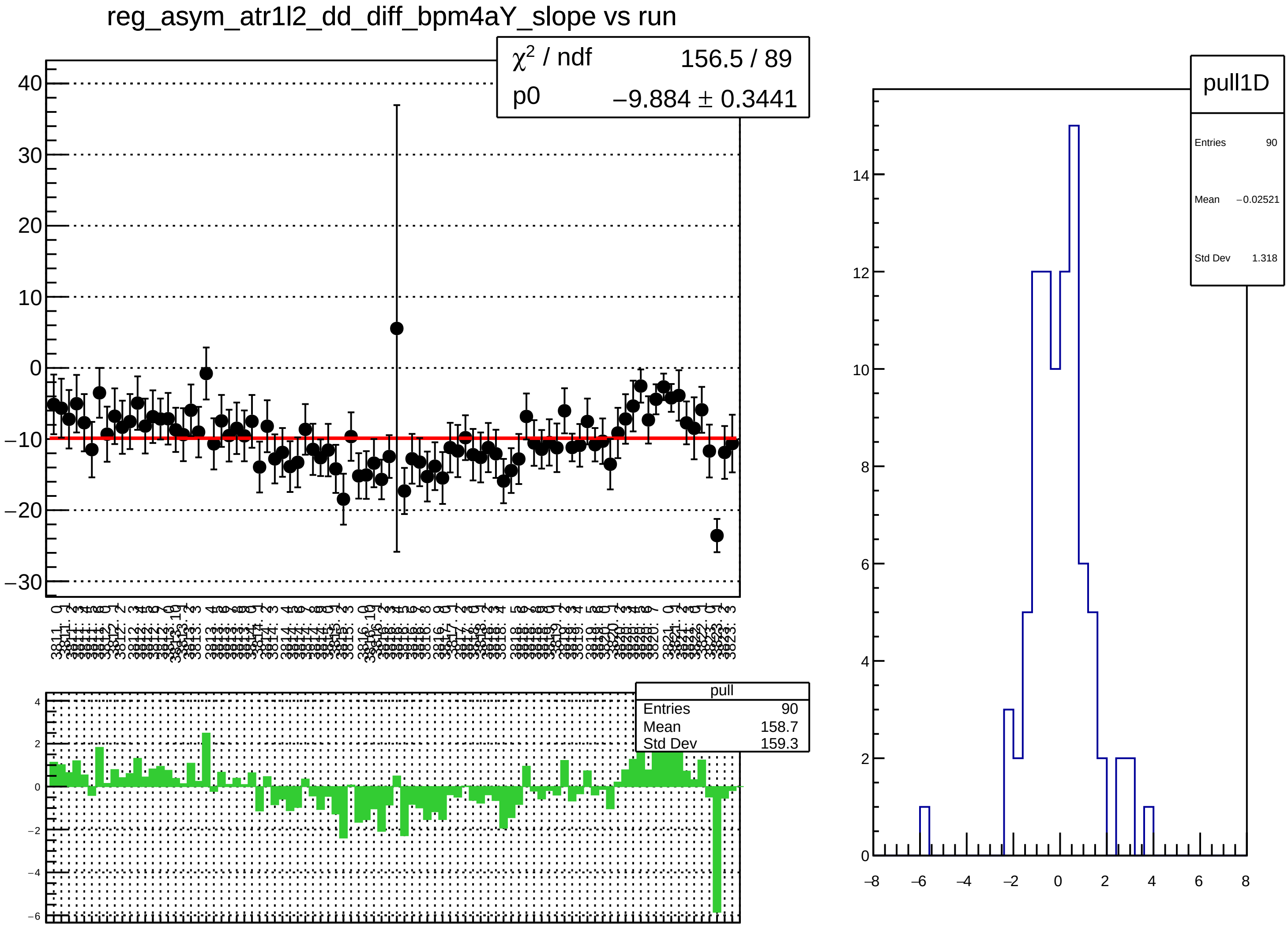
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 782.4 / 89
p0 −163.6 ± 0.3112
pull
Entries 90
Mean 12.81
Std Dev 93.96
pull1D
Entries 90
Mean −0.08053
Std Dev 2.947


reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3090 / 89
p0 −2.002 ± 1.699
pull
Entries 90
Mean −6.739
Std Dev 54.96
pull1D
Entries 90
Mean 2.663
Std Dev 1.561

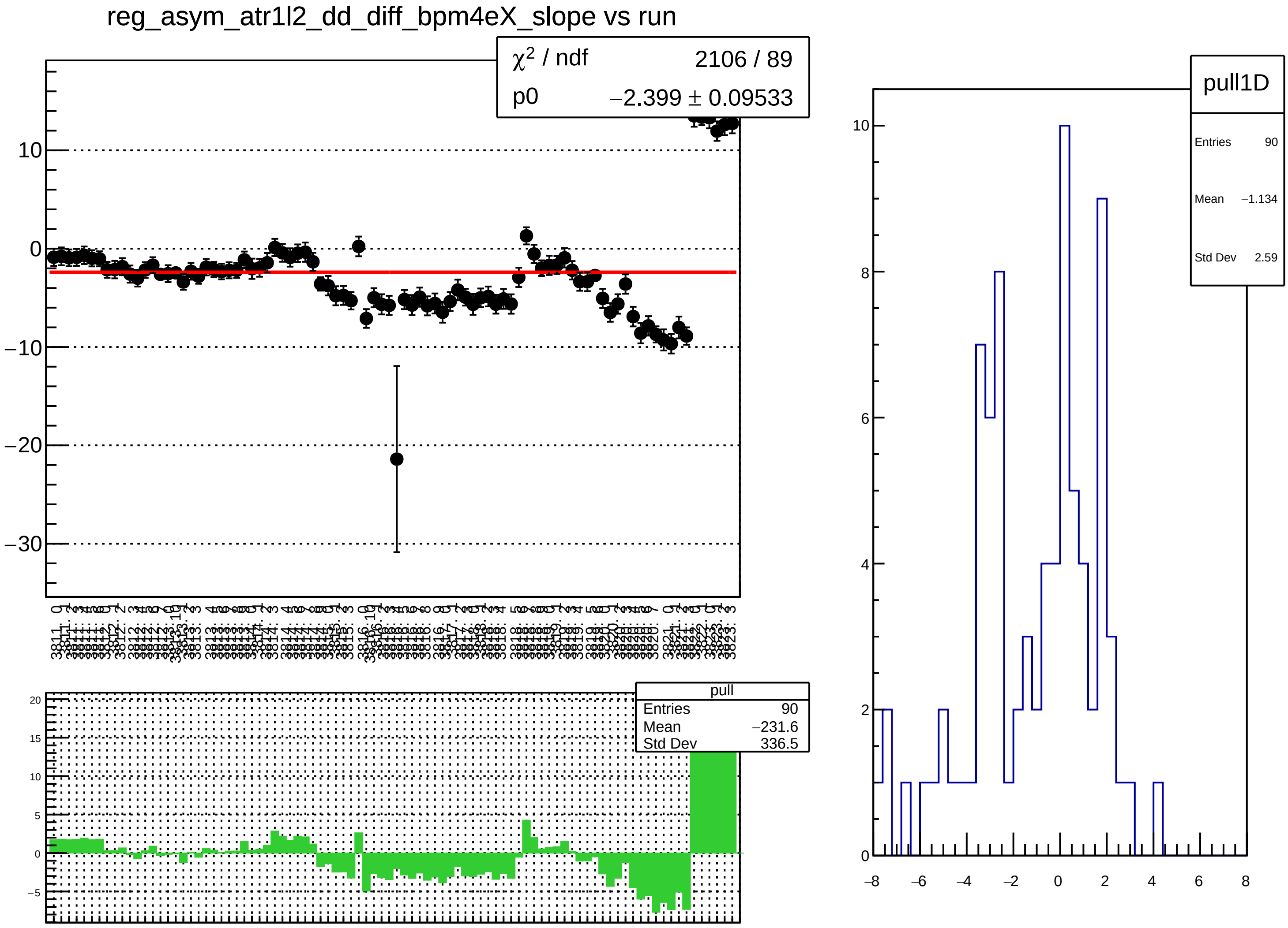


reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ2 / ndf 4266 / 89
p0 −304.5 ± 0.4423
pull
Entries 90
Mean −44.89
Std Dev 109.1
pull1D
Entries 90
Mean −2.207
Std Dev 1.793

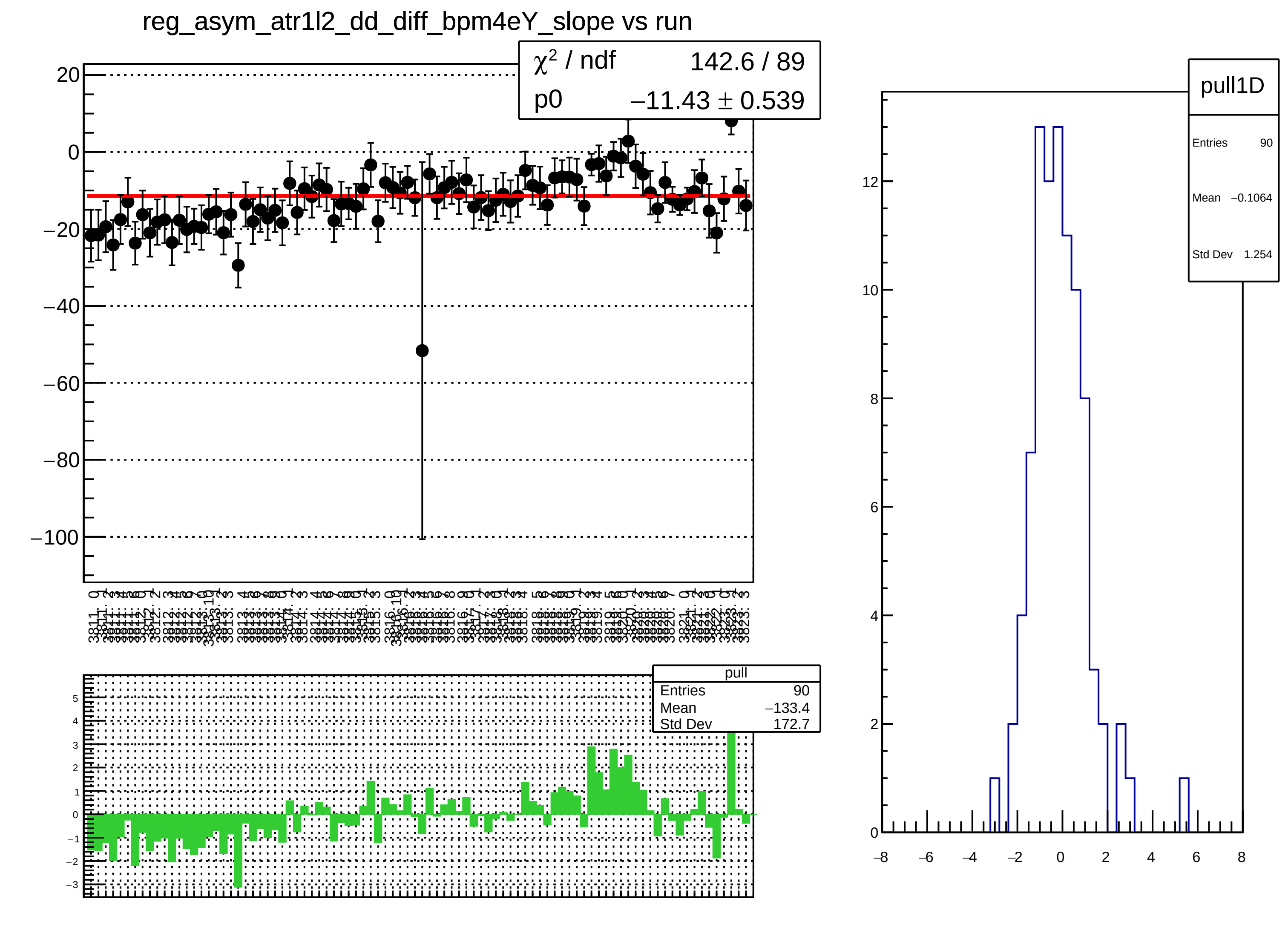

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 39.07 / 89
p0 24.82 ± 0.5428
pull
Entries 90
Mean 928
Std Dev 878.4
pull1D
Entries 90
Mean 0.003451
Std Dev 0.6588



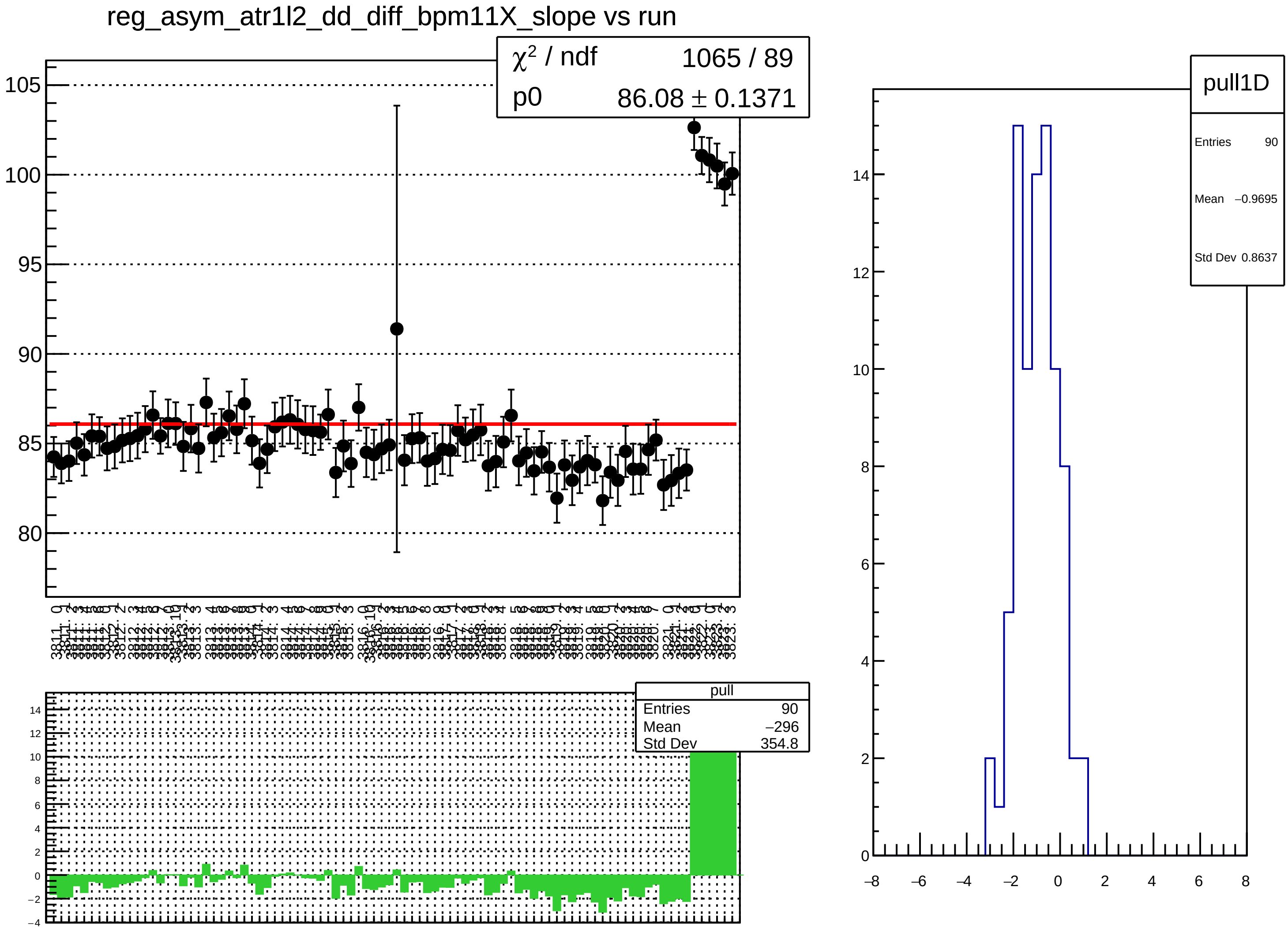
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 156.5 / 89
p0 −9.884 ± 0.3441
pull
Entries 90
Mean 158.7
Std Dev 159.3
pull1D
Entries 90
Mean −0.02521
Std Dev 1.318



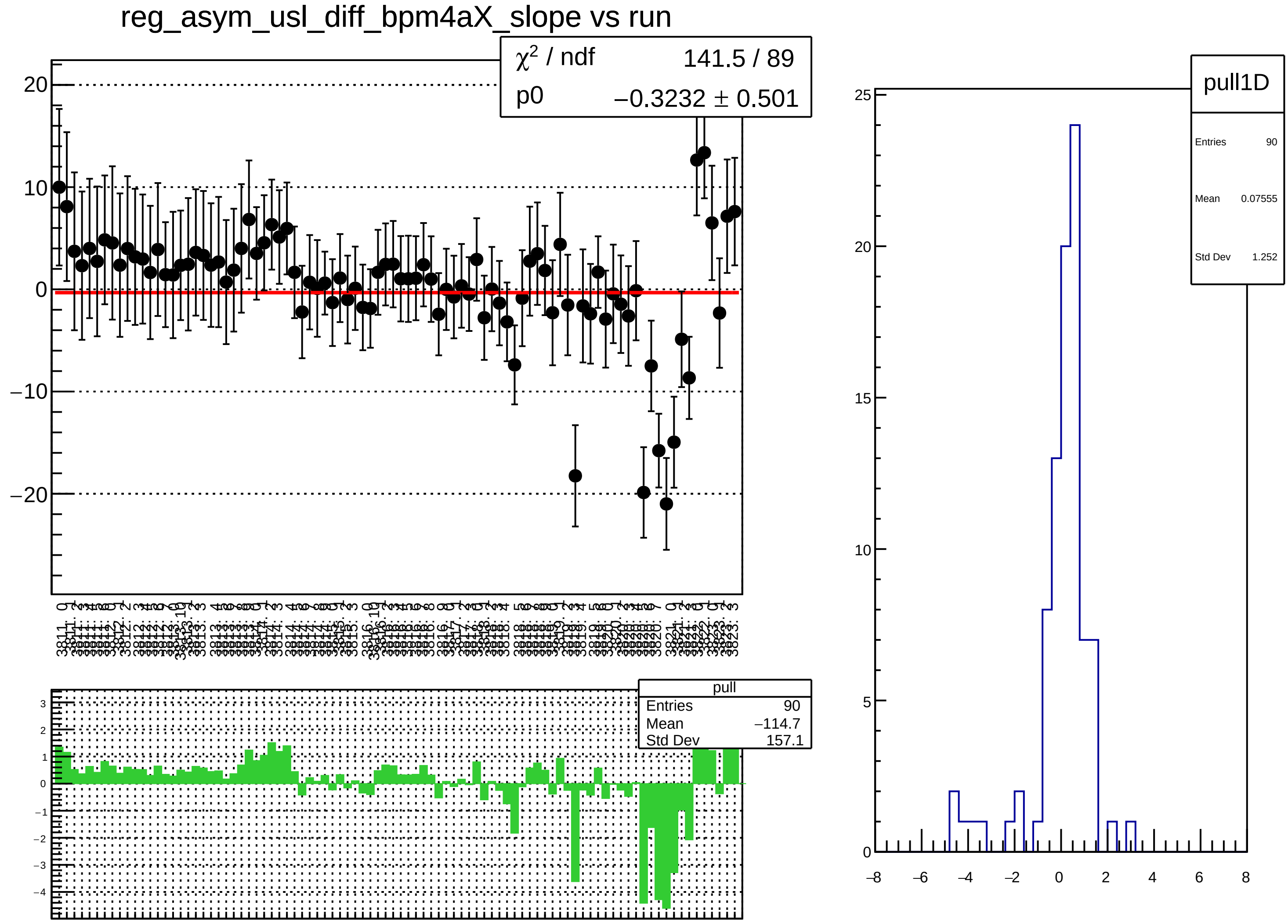
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2106 / 89
p0 −2.399 ± 0.09533
pull
Entries 90
Mean −231.6
Std Dev 336.5
pull1D
Entries 90
Mean −1.134
Std Dev 2.59



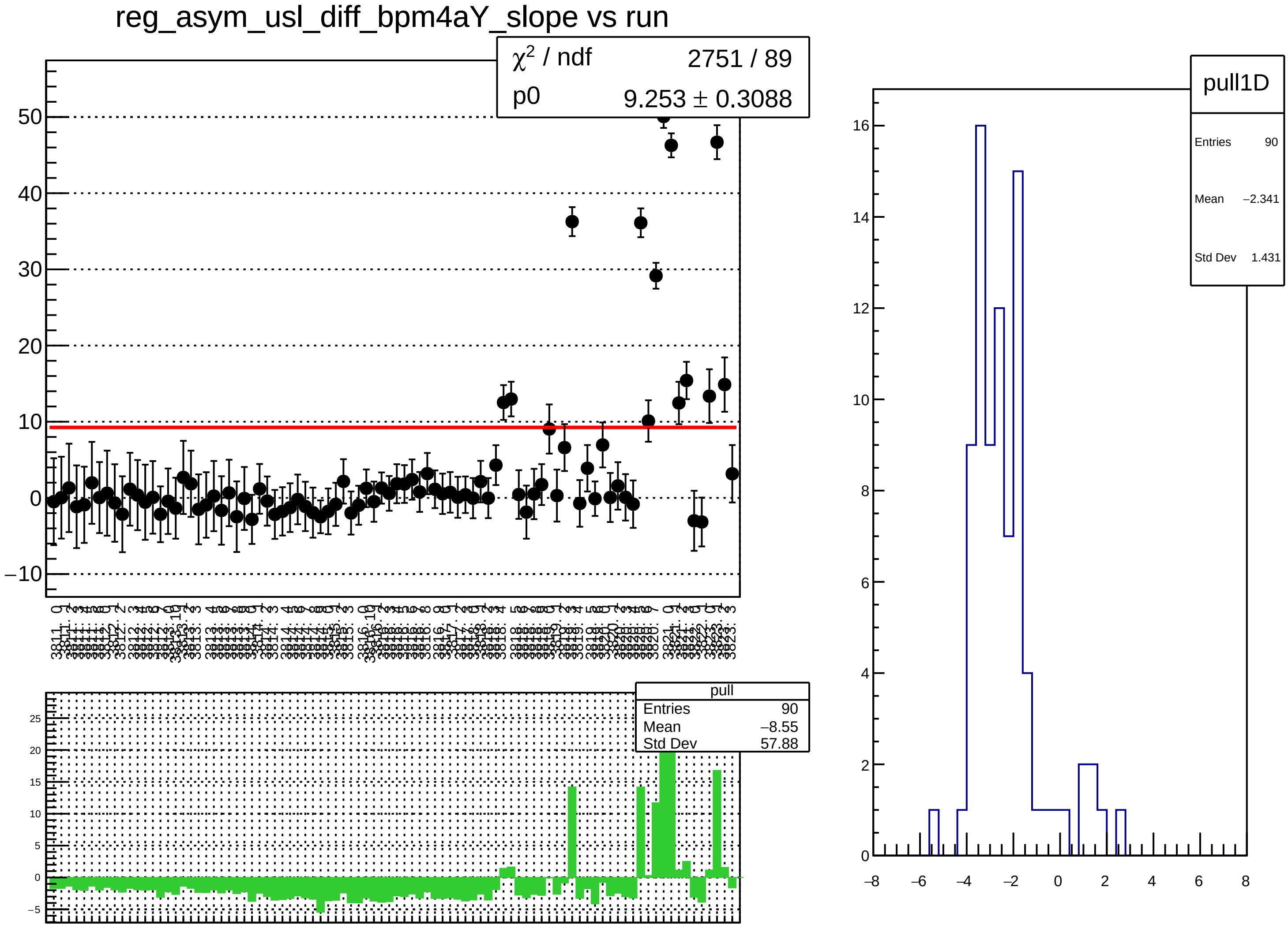
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 142.6 / 89
p0 −11.43 ± 0.539
pull
Entries 90
Mean −133.4
Std Dev 172.7
pull1D
Entries 90
Mean −0.1064
Std Dev 1.254



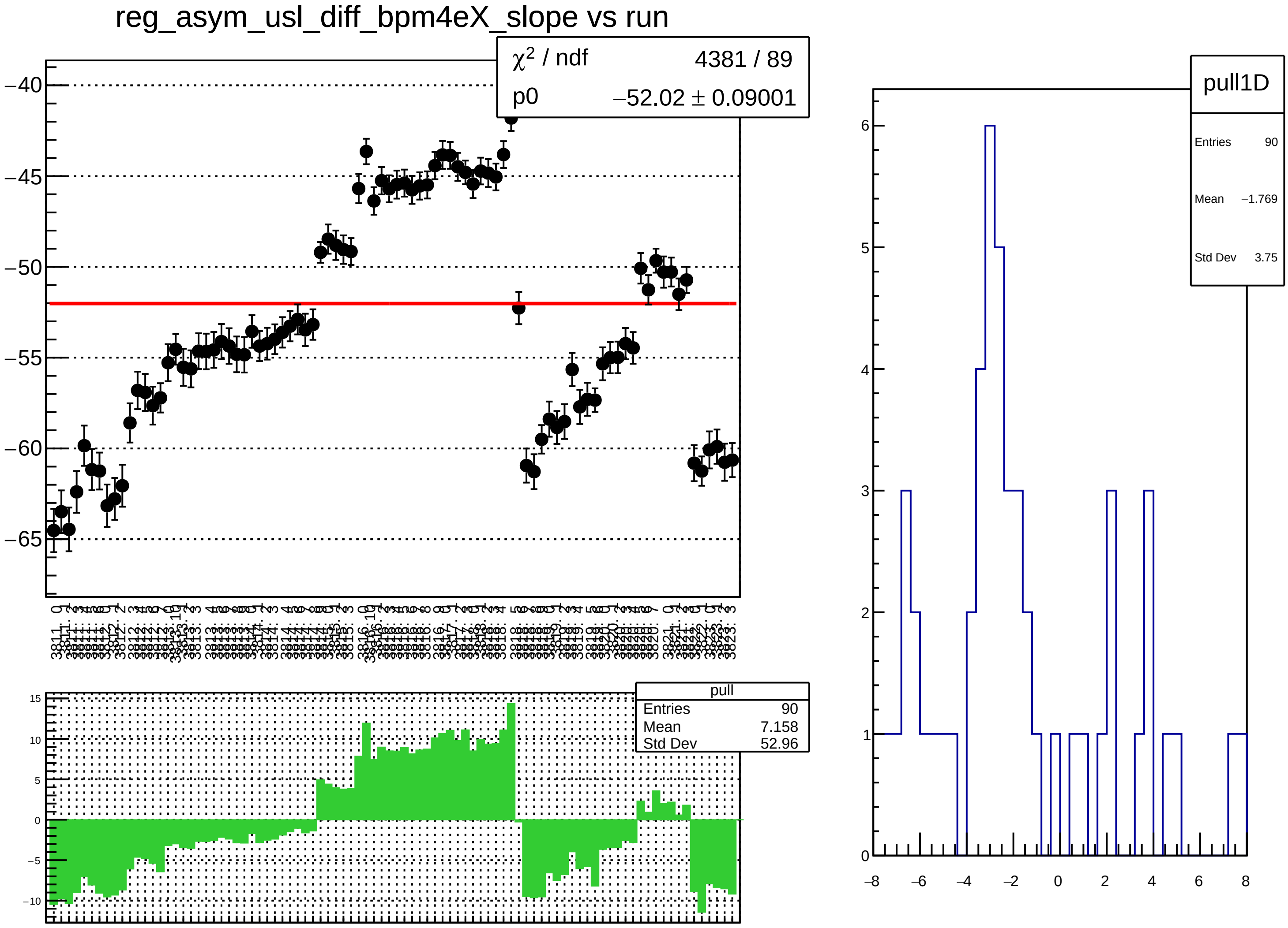
reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ^2 / ndf 1065 / 89
p0 86.08 ± 0.1371
pull
Entries 90
Mean −296
Std Dev 354.8
pull1D
Entries 90
Mean −0.9695
Std Dev 0.8637

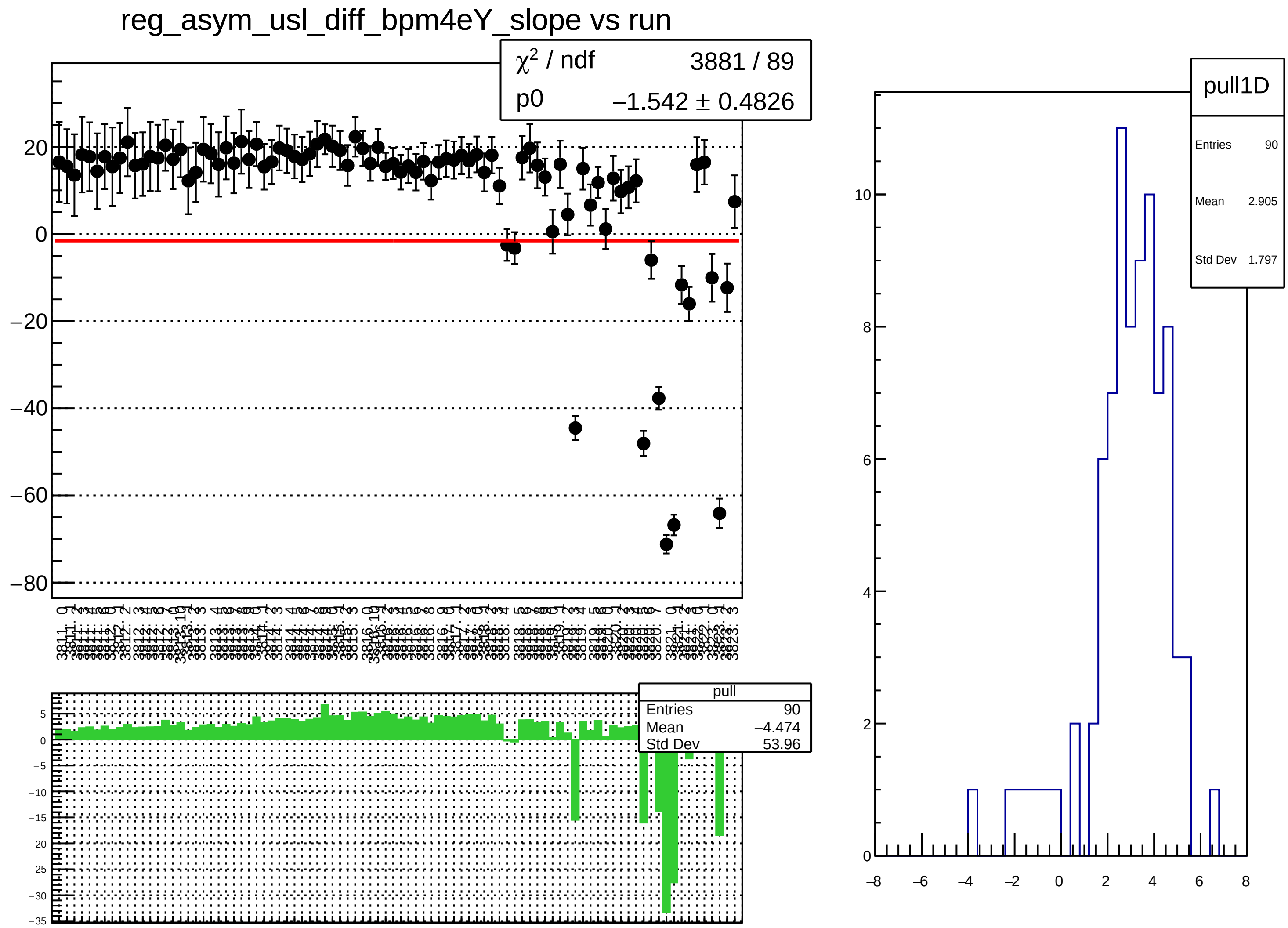


reg_asym_usl_diff_bpm4aX_slope vs run
χ2 / ndf 141.5 / 89
p0 −0.3232 ± 0.501
pull
Entries 90
Mean −114.7
Std Dev 157.1
pull1D
Entries 90
Mean 0.07555
Std Dev 1.252

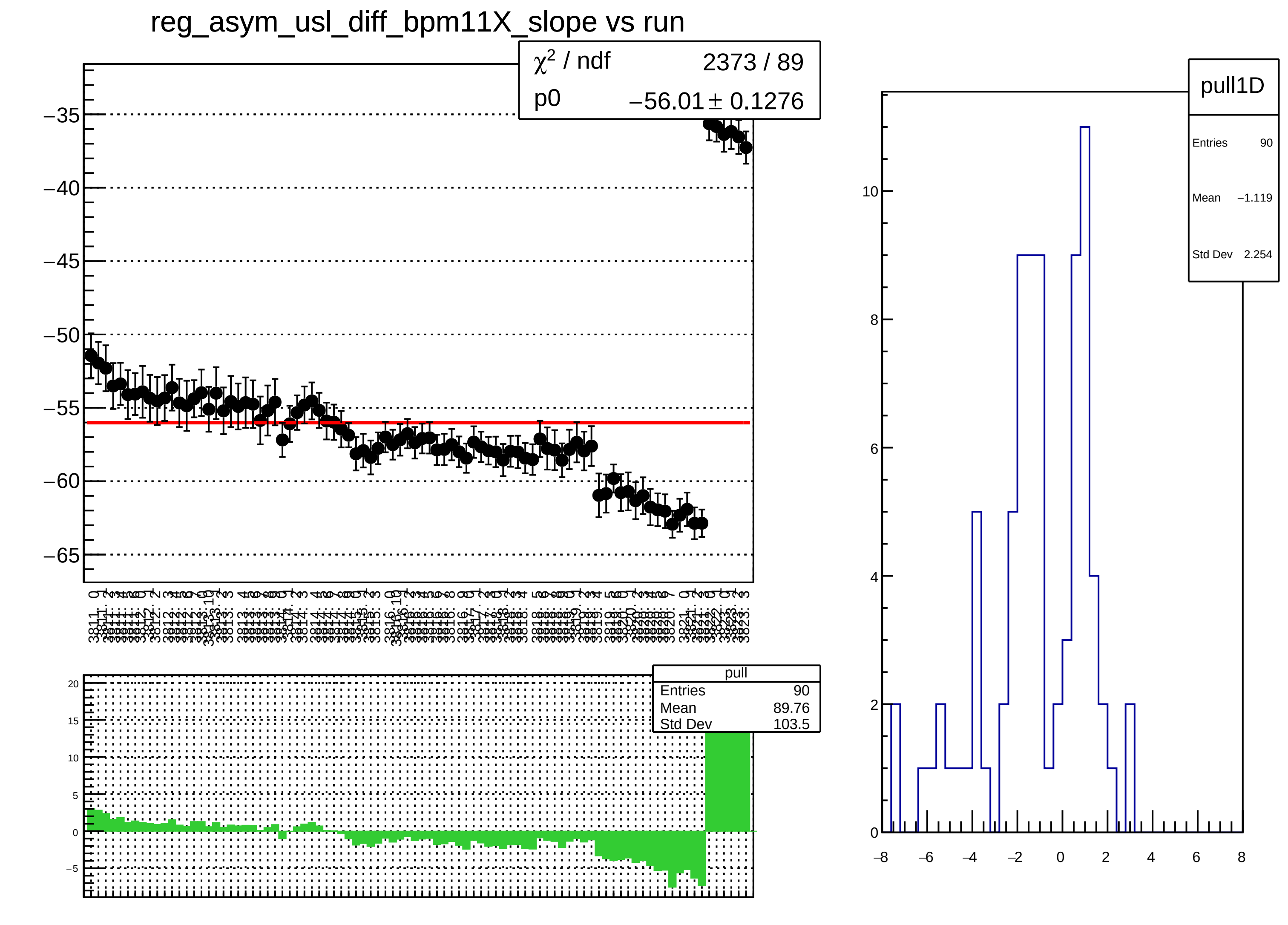


reg_asym_usl_diff_bpm4aY_slope vs run
χ2 / ndf 2751 / 89
p0 9.253 ± 0.3088
pull
Entries 90
Mean −8.55
Std Dev 57.88
pull1D
Entries 90
Mean −2.341
Std Dev 1.431

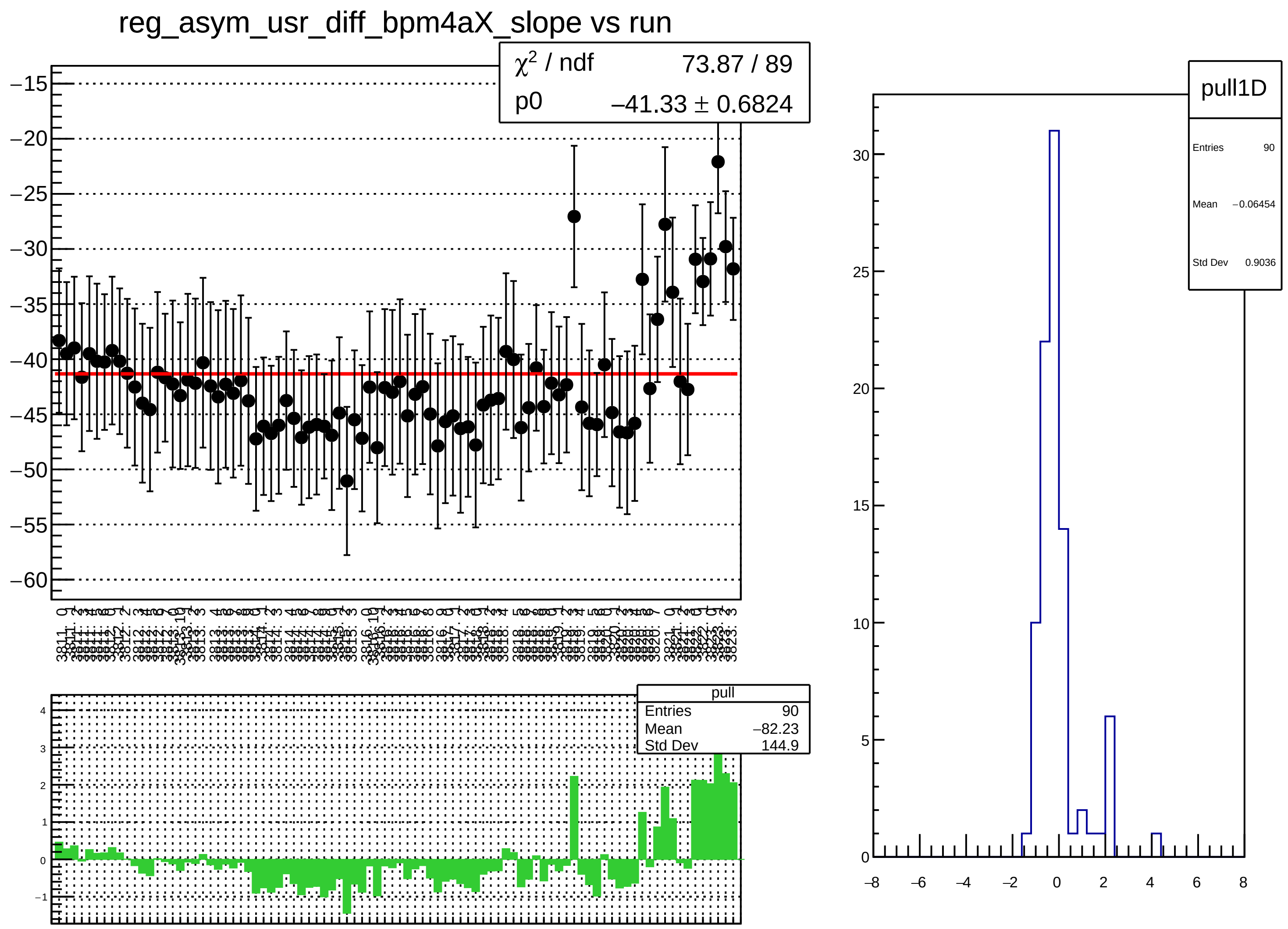

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 4381 / 89
p0 −52.02 ± 0.09001
−40
−45
−50
−55
−60
−65
pull
Entries 90
Mean 7.158
Std Dev 52.96
15
10
5
0
−5
−10
pull1D
Entries 90
Mean −1.769
Std Dev 3.75
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

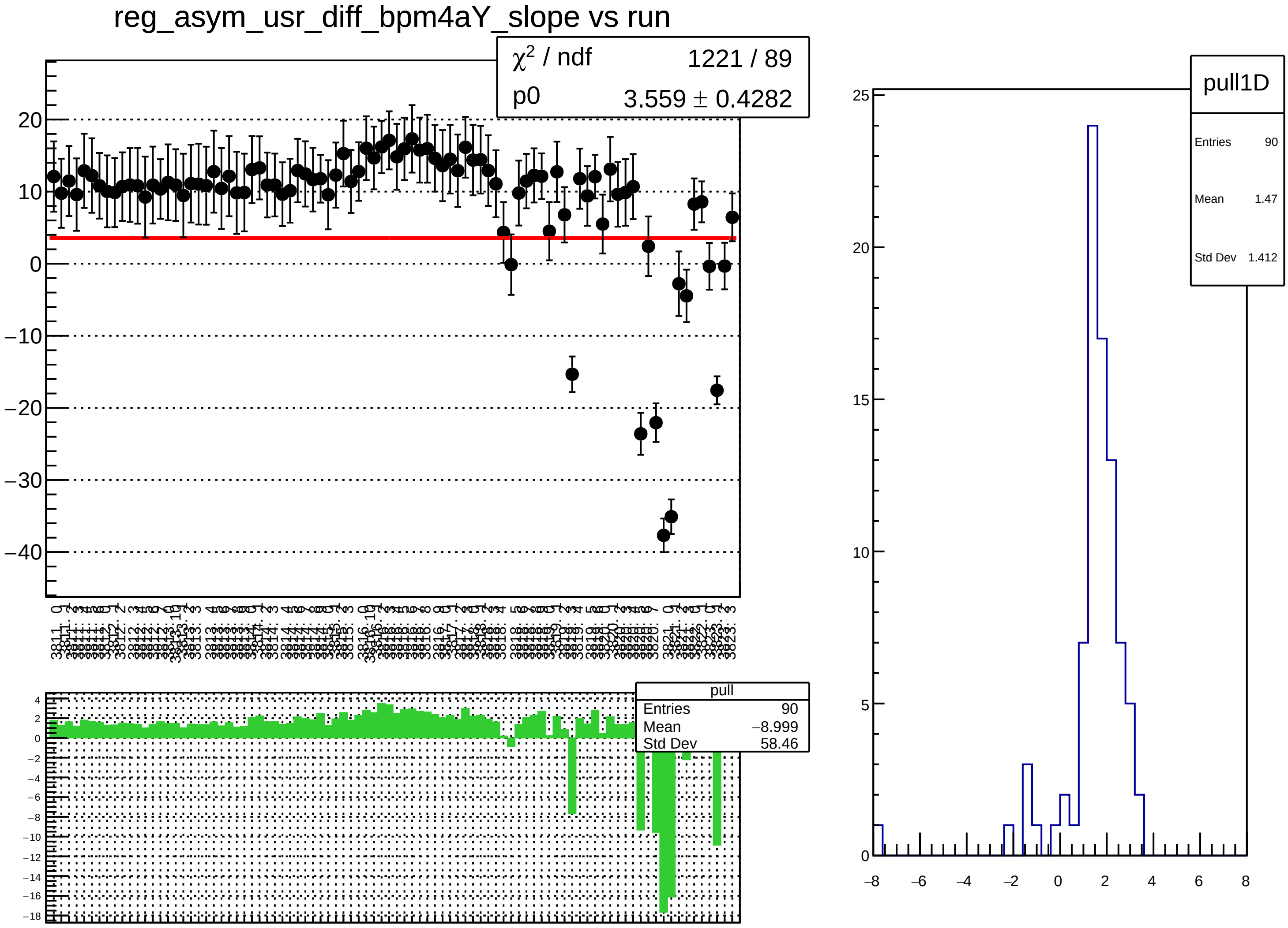


reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 3881 / 89
p0 −1.542 ± 0.4826
pull
Entries 90
Mean −4.474
Std Dev 53.96
pull1D
Entries 90
Mean 2.905
Std Dev 1.797

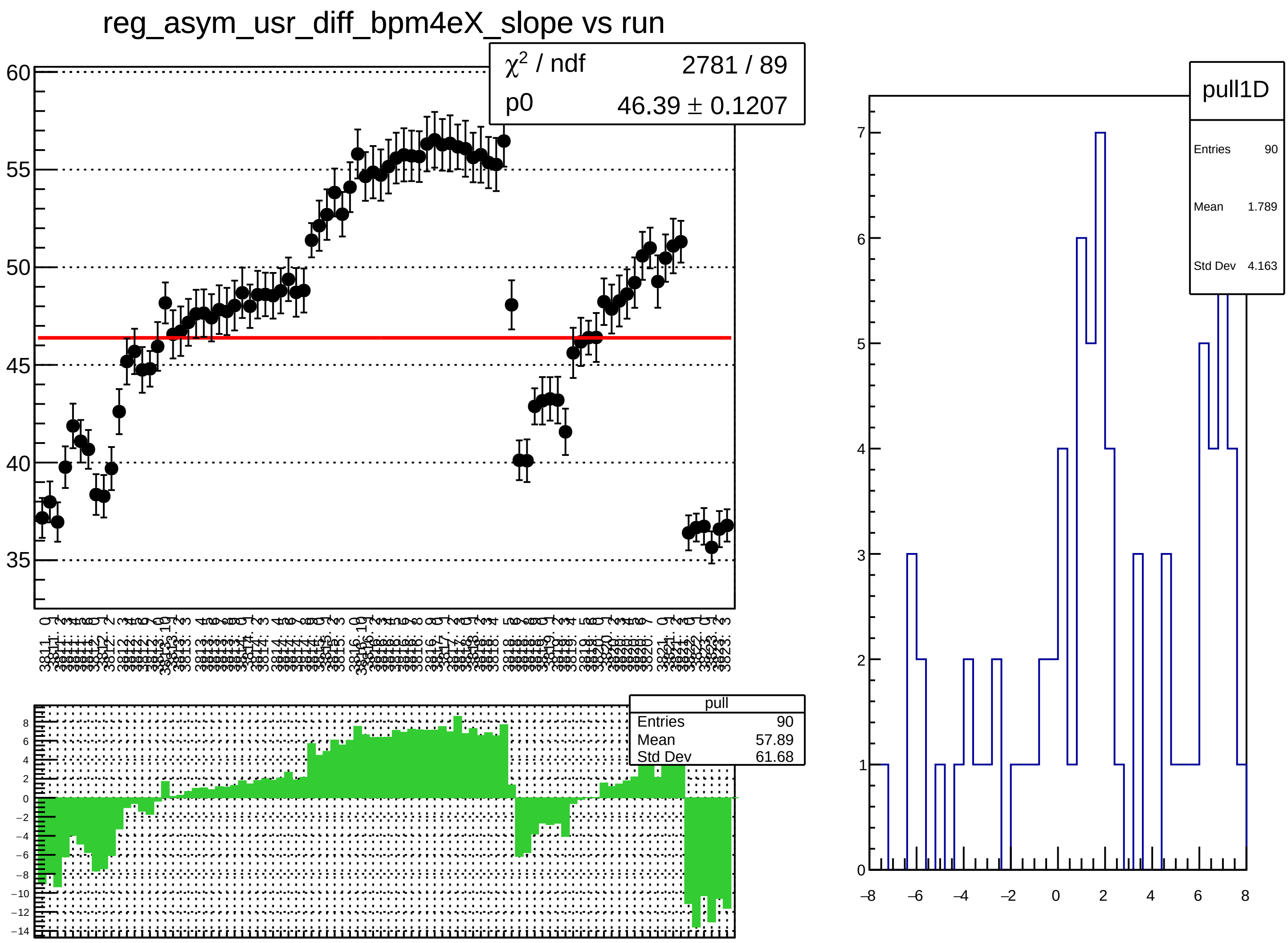


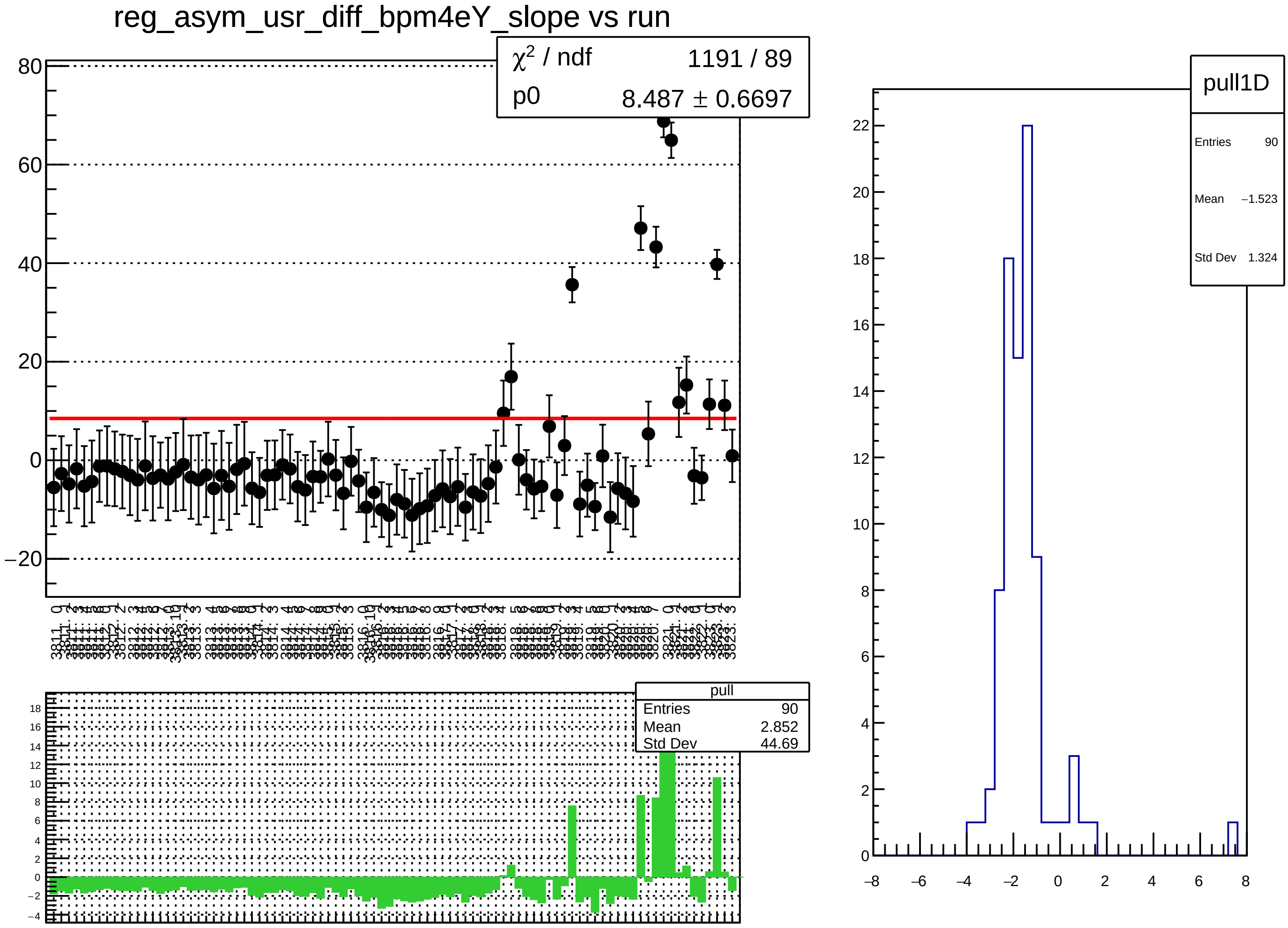
reg_asym_usl_diff_bpm11X_slope vs run
χ^2 / ndf 2373 / 89
p0 −56.01 ± 0.1276
pull
Entries 90
Mean 89.76
Std Dev 103.5
pull1D
Entries 90
Mean −1.119
Std Dev 2.254


reg_asym_usr_diff_bpm4aX_slope vs run
χ2 / ndf 73.87 / 89
p0 −41.33 ± 0.6824
pull
Entries 90
Mean −82.23
Std Dev 144.9
pull1D
Entries 90
Mean −0.06454
Std Dev 0.9036

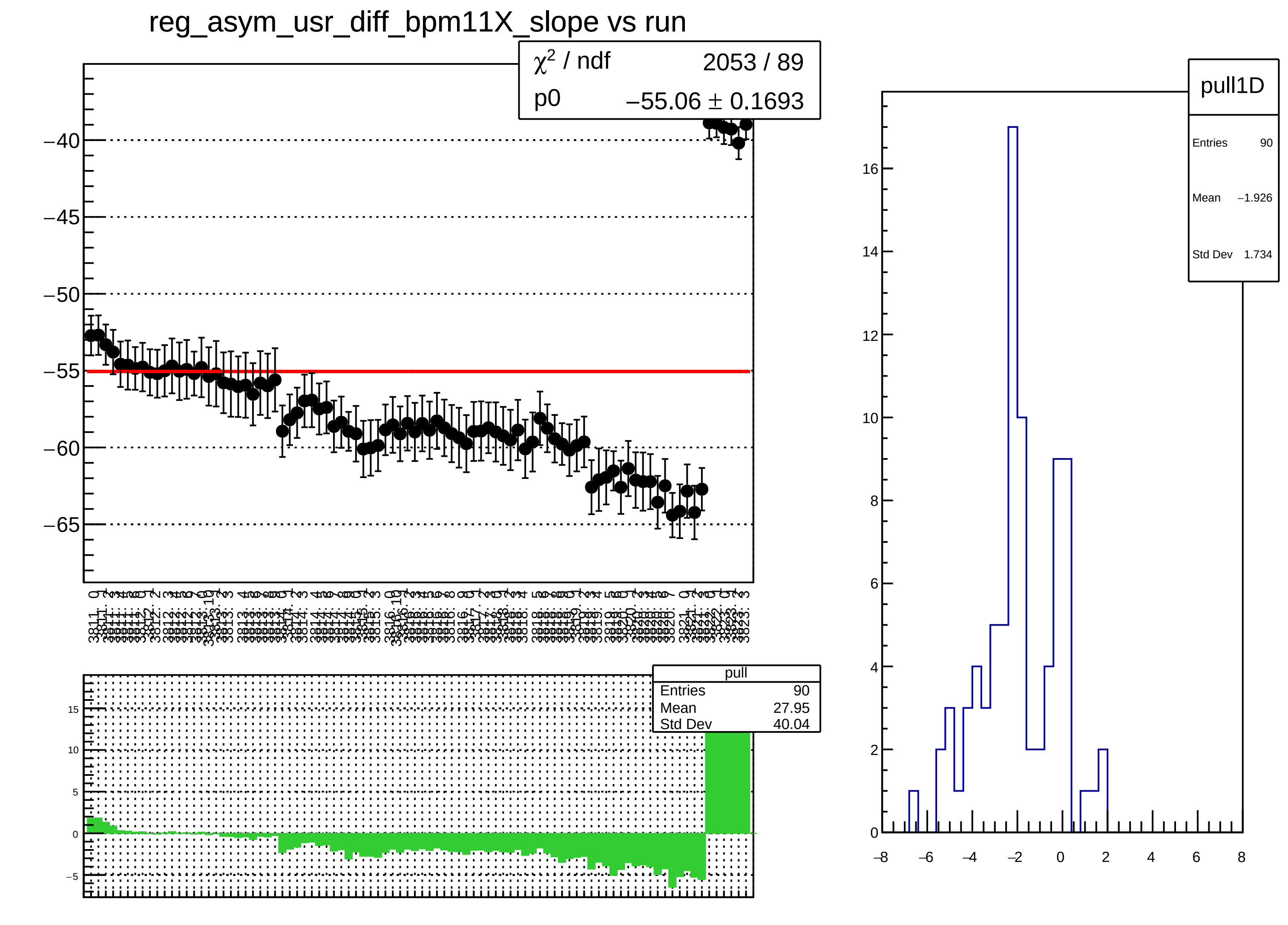


reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 1221 / 89
p0 3.559 ± 0.4282
pull
Entries 90
Mean −8.999
Std Dev 58.46
pull1D
Entries 90
Mean 1.47
Std Dev 1.412

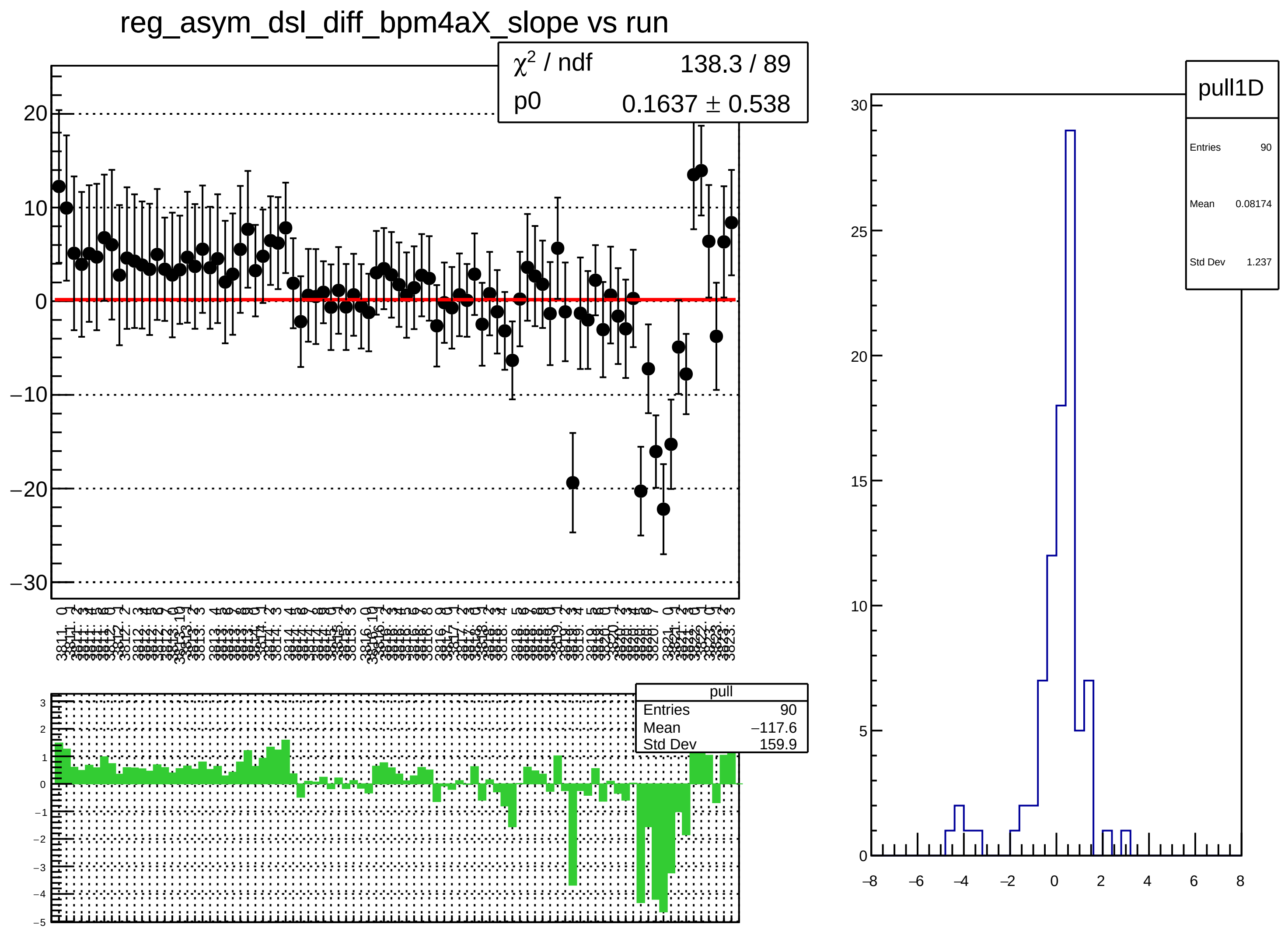

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 2781 / 89
p0 46.39 ± 0.1207
pull
Entries 90
Mean 57.89
Std Dev 61.68
pull1D
Entries 90
Mean 1.789
Std Dev 4.163



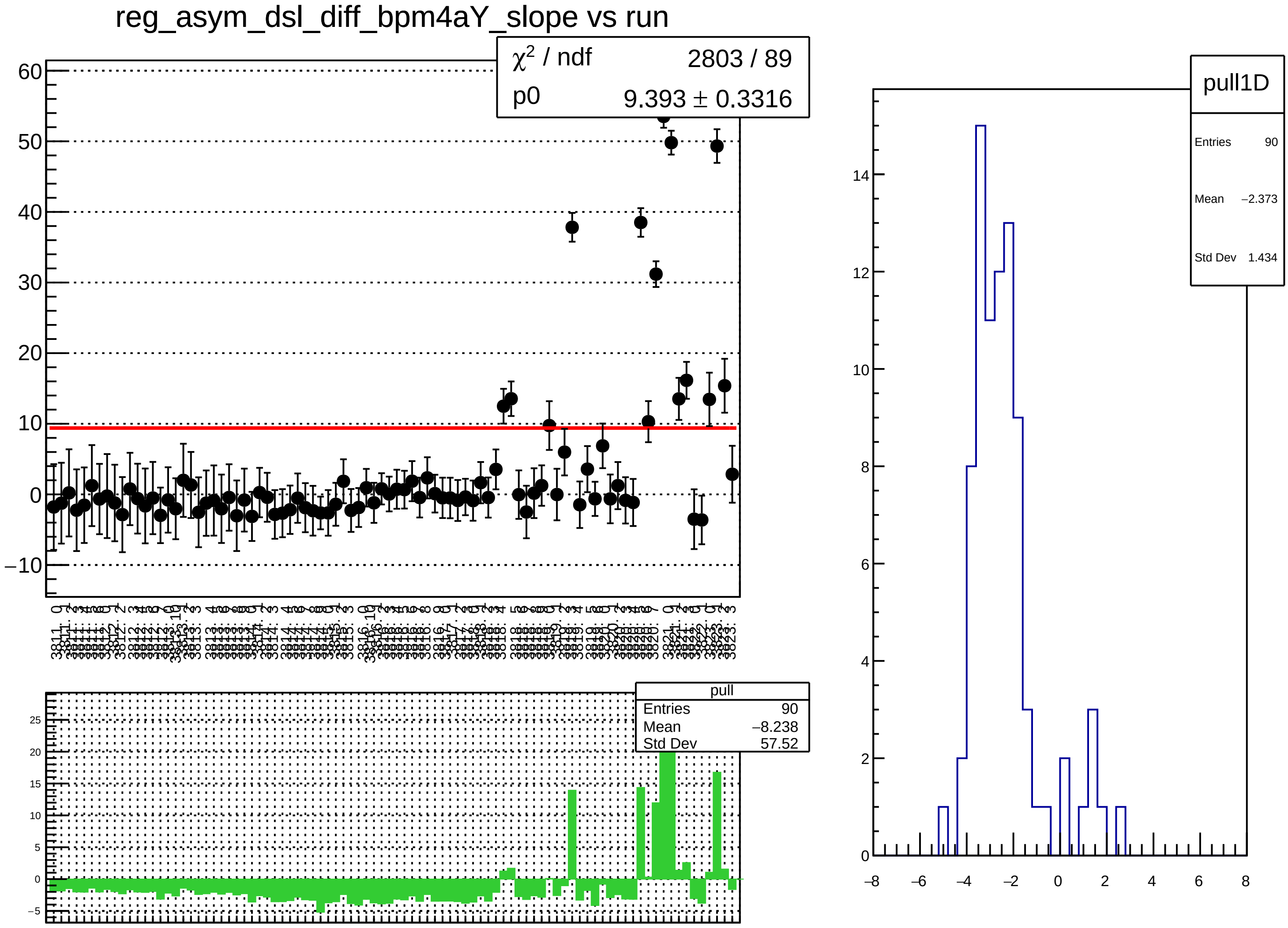
reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 1191 / 89
p0 8.487 ± 0.6697
pull
Entries 90
Mean 2.852
Std Dev 44.69
pull1D
Entries 90
Mean −1.523
Std Dev 1.324

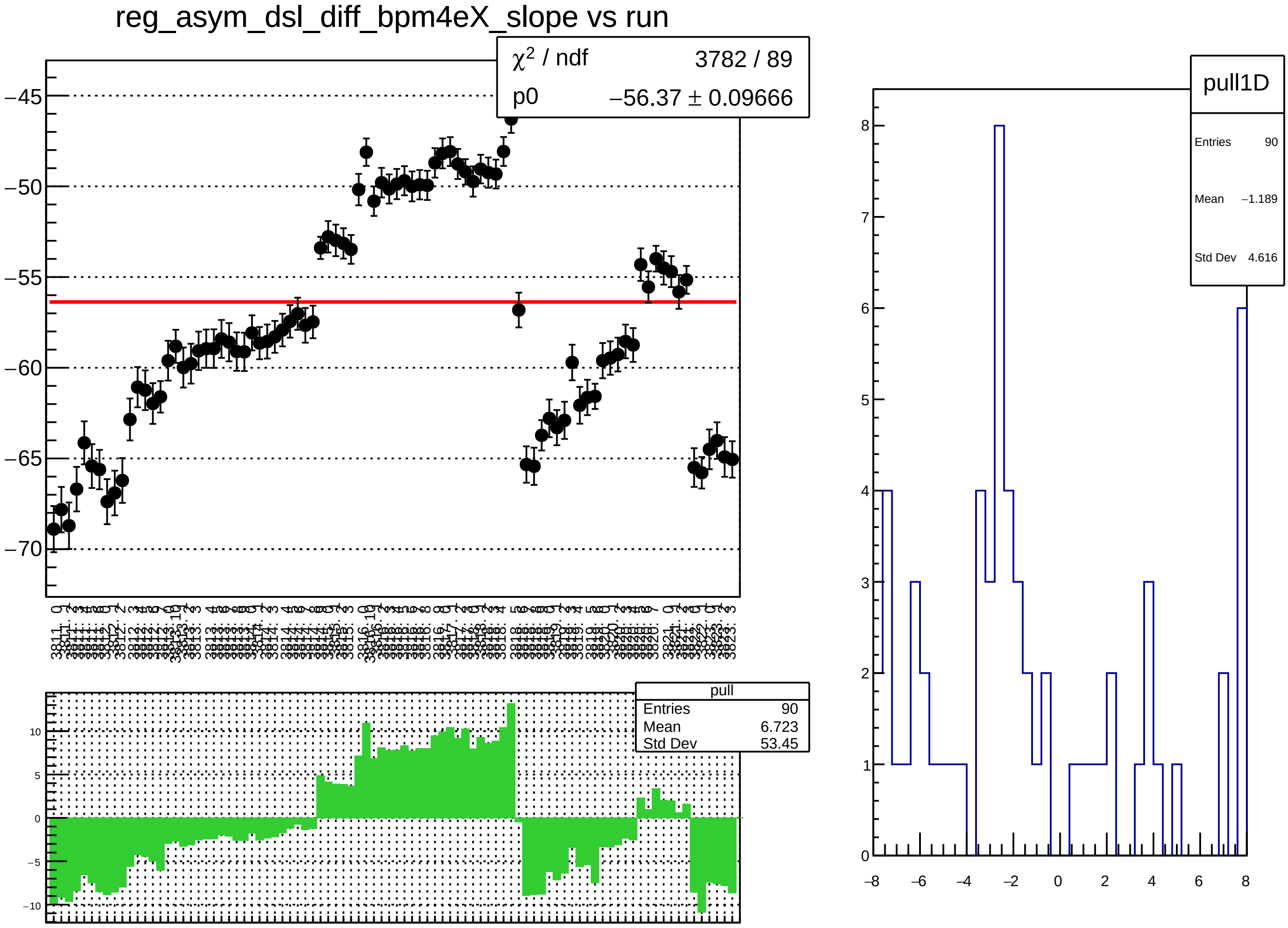


reg_asym_usr_diff_bpm11X_slope vs run
χ^2 / ndf 2053 / 89
p0 −55.06 ± 0.1693
pull
Entries 90
Mean 27.95
Std Dev 40.04
pull1D
Entries 90
Mean −1.926
Std Dev 1.734

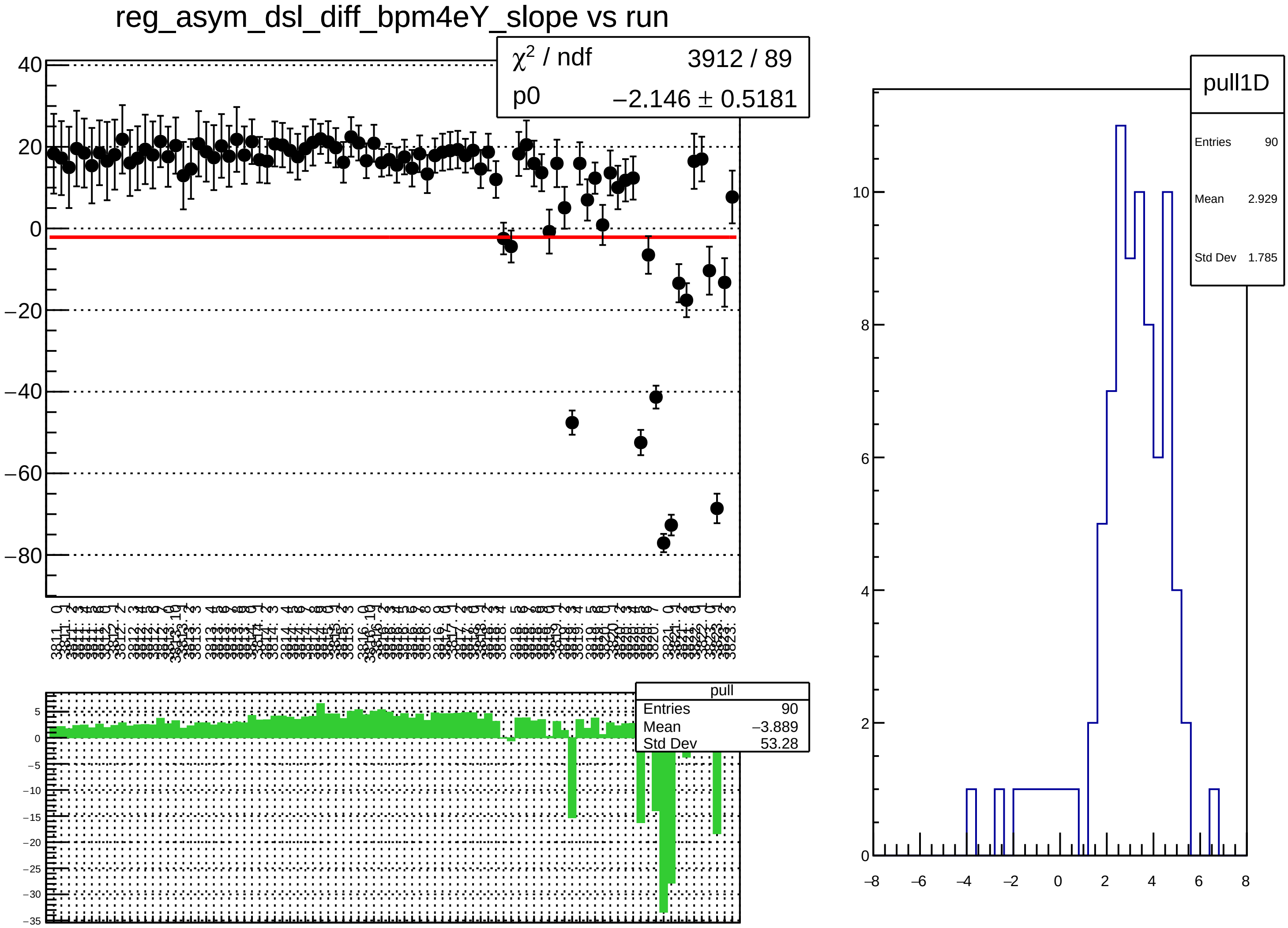


reg_asym_dsl_diff_bpm4aX_slope vs run
χ^2 / ndf 138.3 / 89
p0 0.1637 ± 0.538
pull
Entries 90
Mean −117.6
Std Dev 159.9
pull1D
Entries 90
Mean 0.08174
Std Dev 1.237

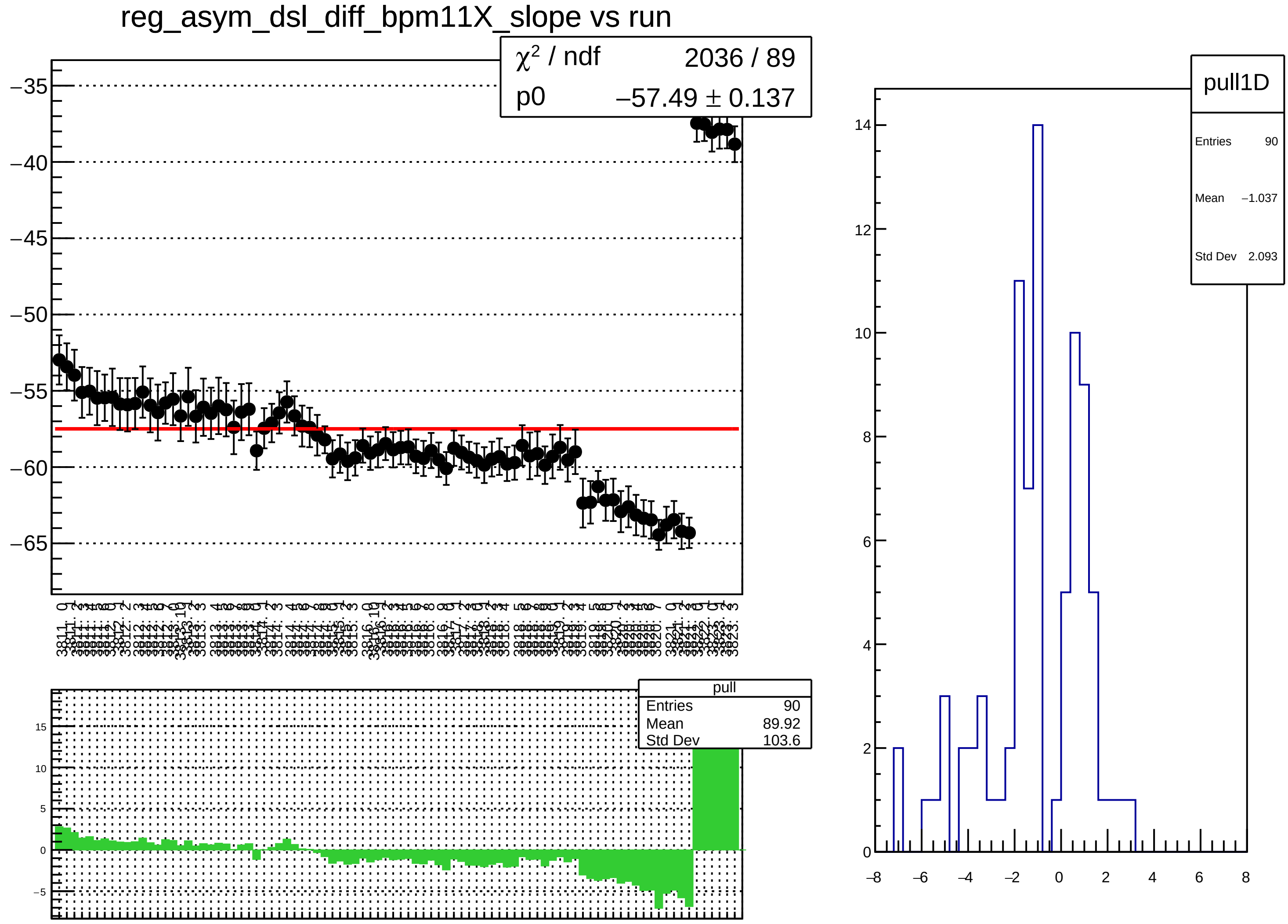

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 2803 / 89
p0 9.393 ± 0.3316
pull
Entries 90
Mean −8.238
Std Dev 57.52
pull1D
Entries 90
Mean −2.373
Std Dev 1.434



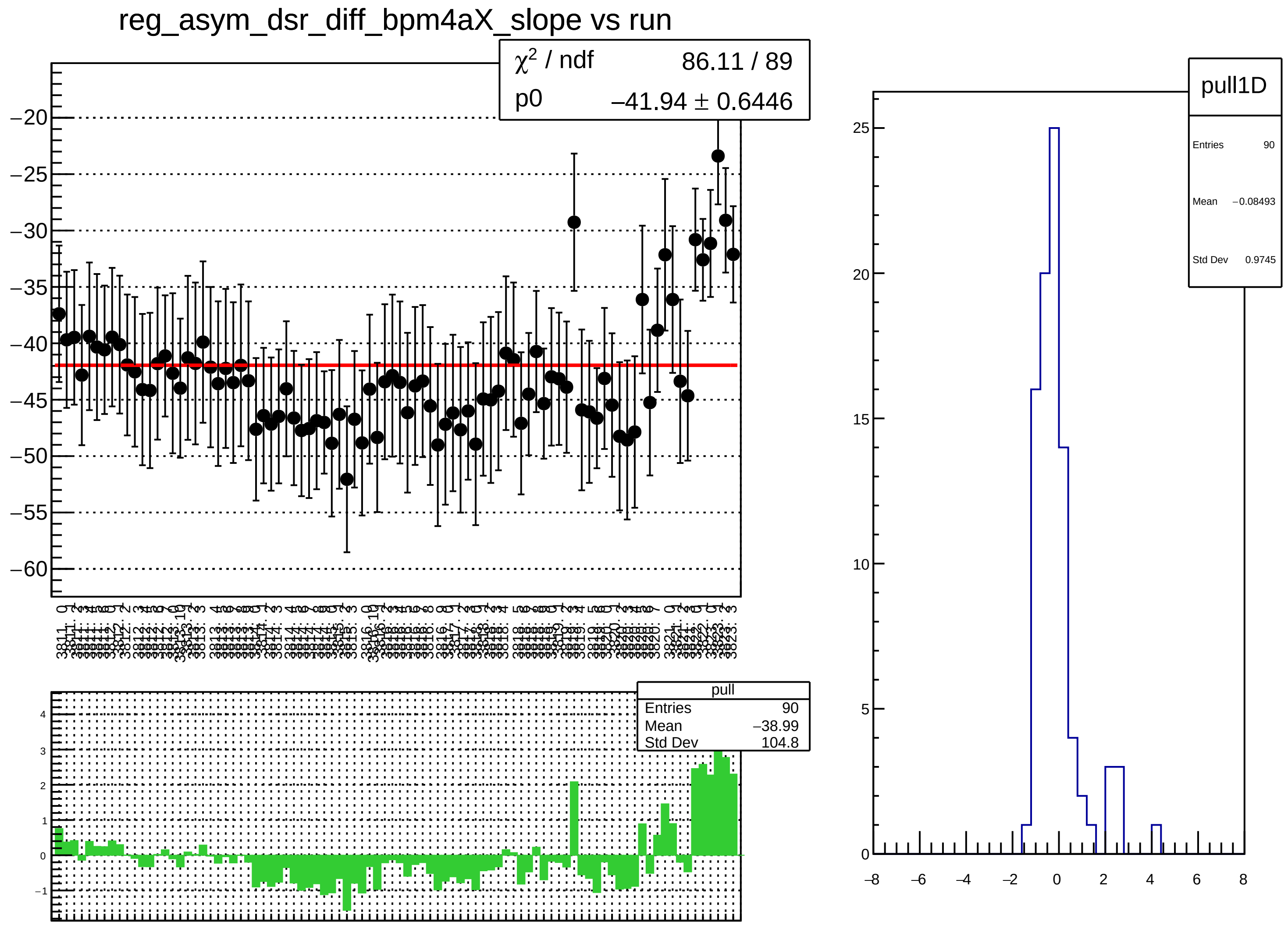
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 3782 / 89
p0 −56.37 ± 0.09666
pull
Entries 90
Mean 6.723
Std Dev 53.45
pull1D
Entries 90
Mean −1.189
Std Dev 4.616



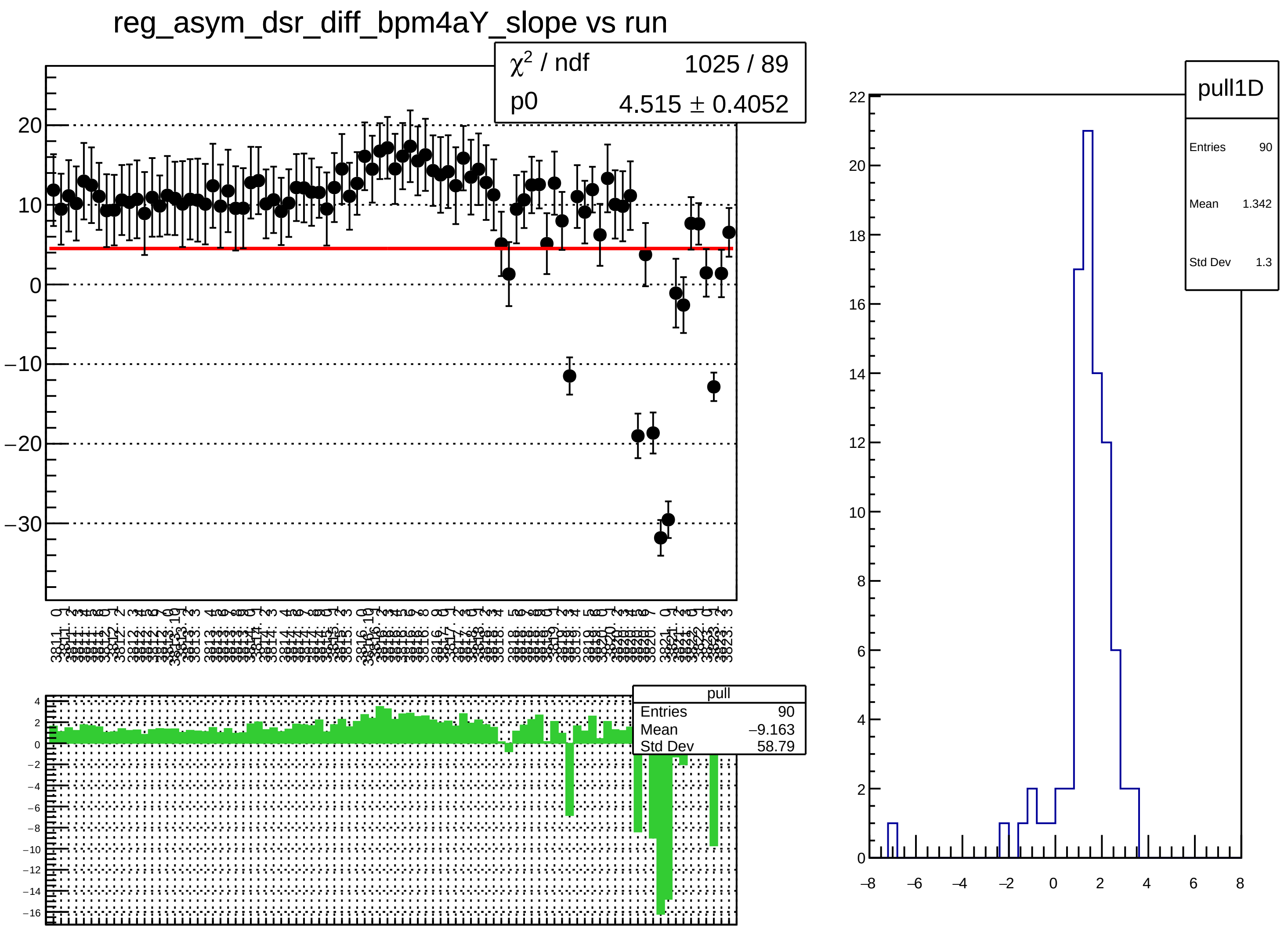
reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 3912 / 89
p0 −2.146 ± 0.5181
pull
Entries 90
Mean −3.889
Std Dev 53.28
pull1D
Entries 90
Mean 2.929
Std Dev 1.785



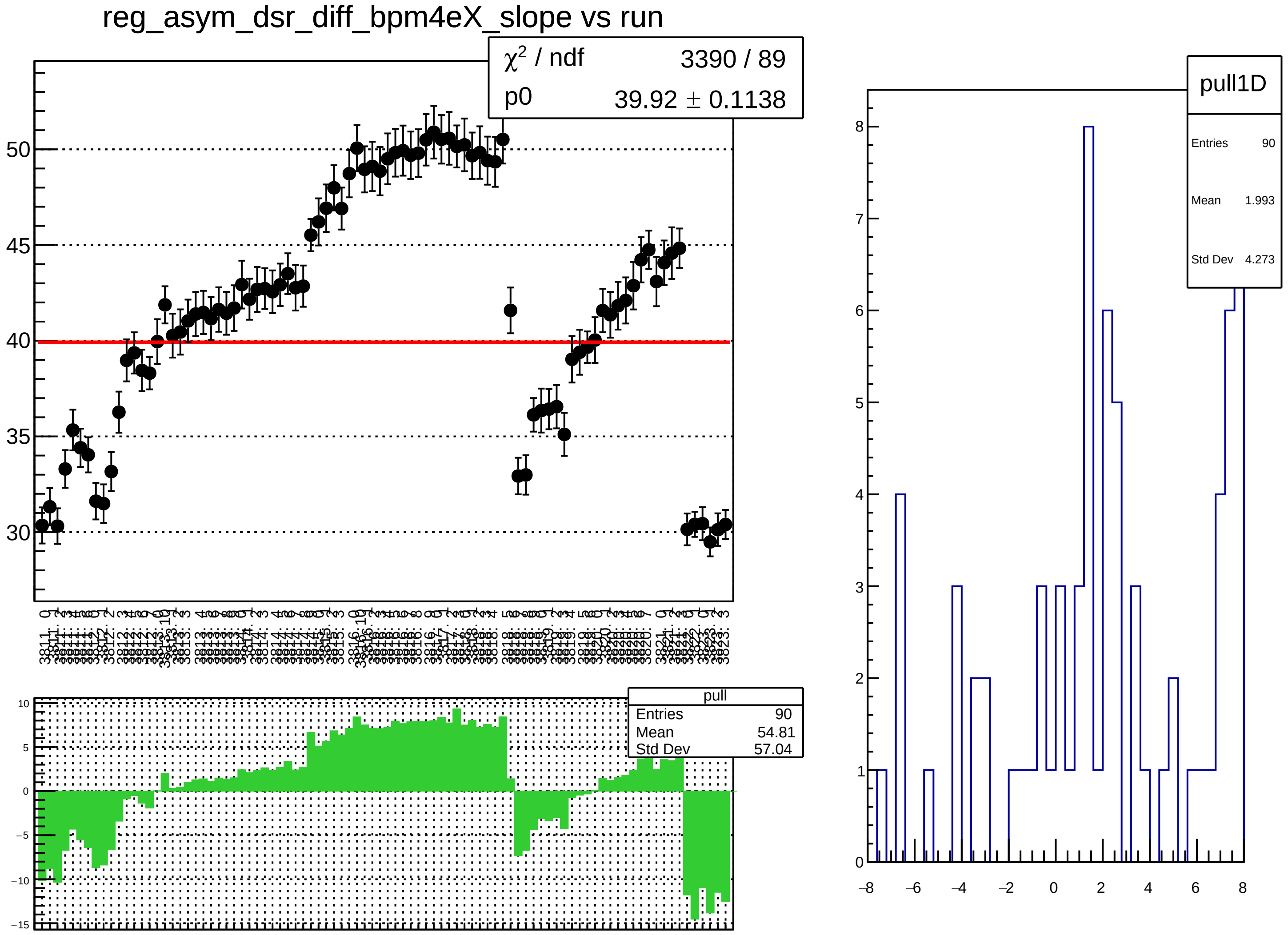
reg_asym_dsl_diff_bpm11X_slope vs run
χ2 / ndf 2036 / 89
p0 −57.49 ± 0.137
−35
−40
−45
−50
−55
−60
−65
pull
Entries 90
Mean 89.92
Std Dev 103.6
15
10
5
0
−5
pull1D
Entries 90
Mean −1.037
Std Dev 2.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



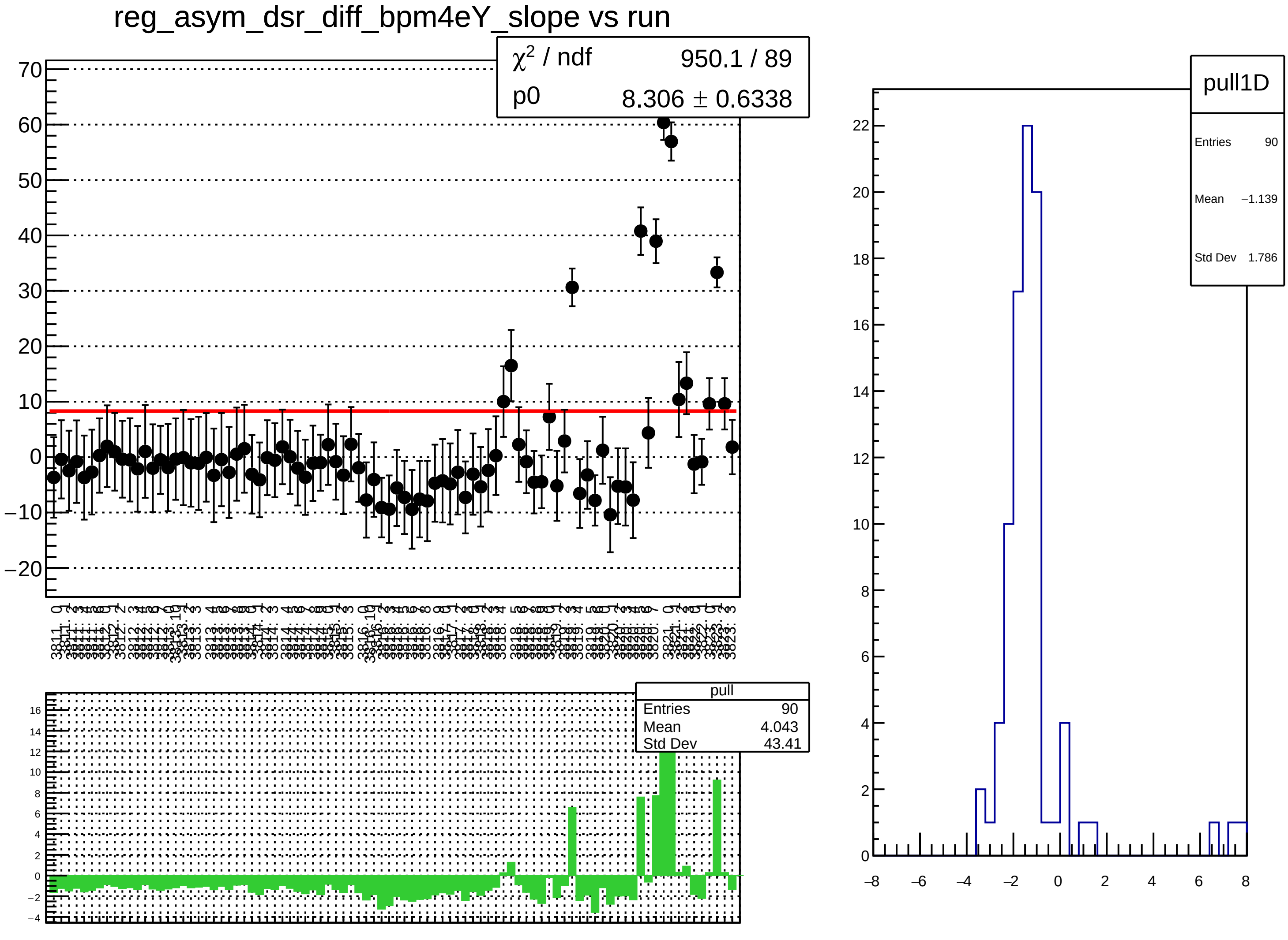
reg_asym_dsr_diff_bpm4aX_slope vs run
χ^2 / ndf 86.11 / 89
p0 −41.94 ± 0.6446
pull
Entries 90
Mean −38.99
Std Dev 104.8
pull1D
Entries 90
Mean −0.08493
Std Dev 0.9745



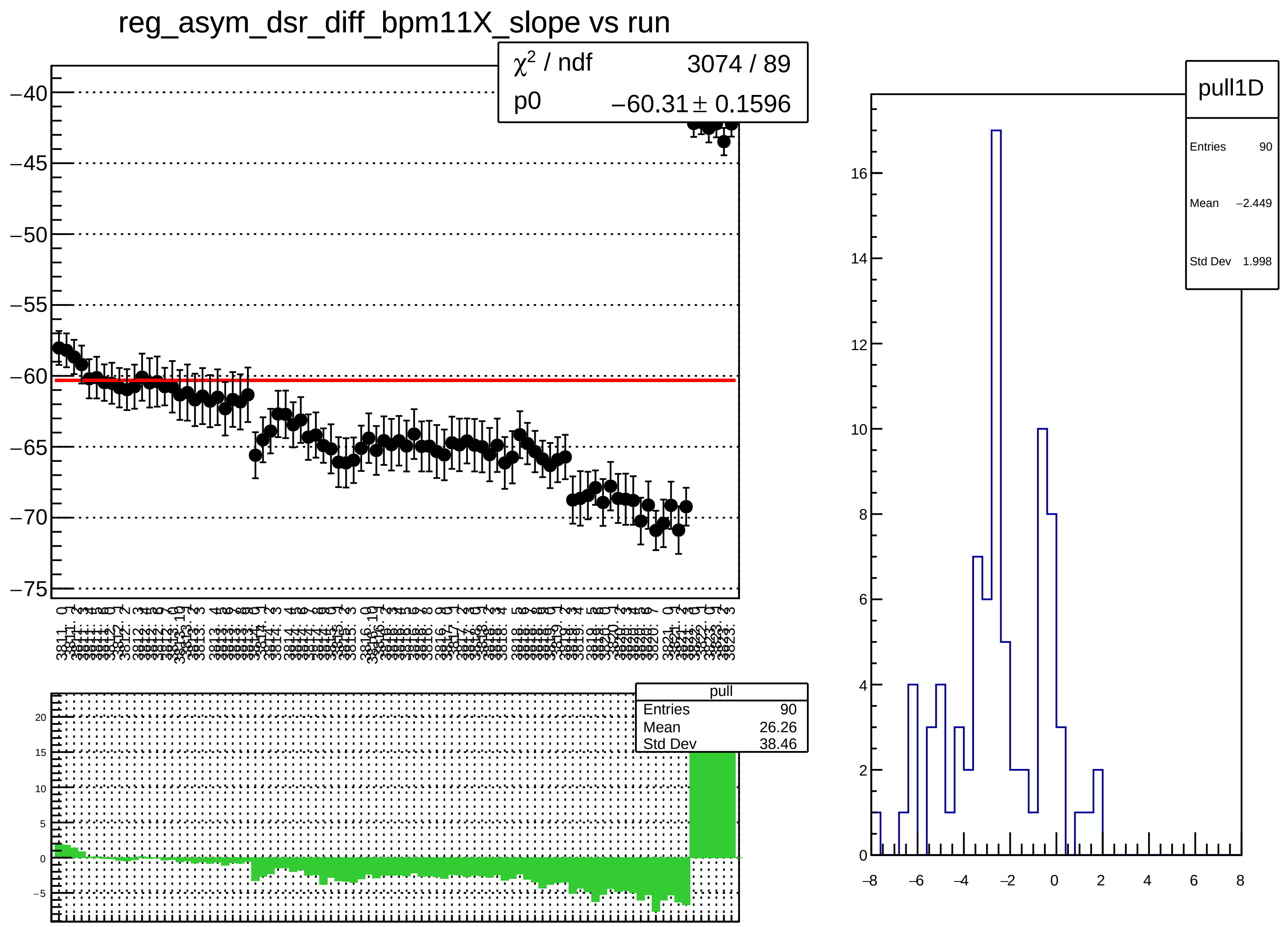
reg_asym_dsr_diff_bpm4aY_slope vs run
χ2 / ndf 1025 / 89
p0 4.515 ± 0.4052
pull
Entries 90
Mean −9.163
Std Dev 58.79
pull1D
Entries 90
Mean 1.342
Std Dev 1.3



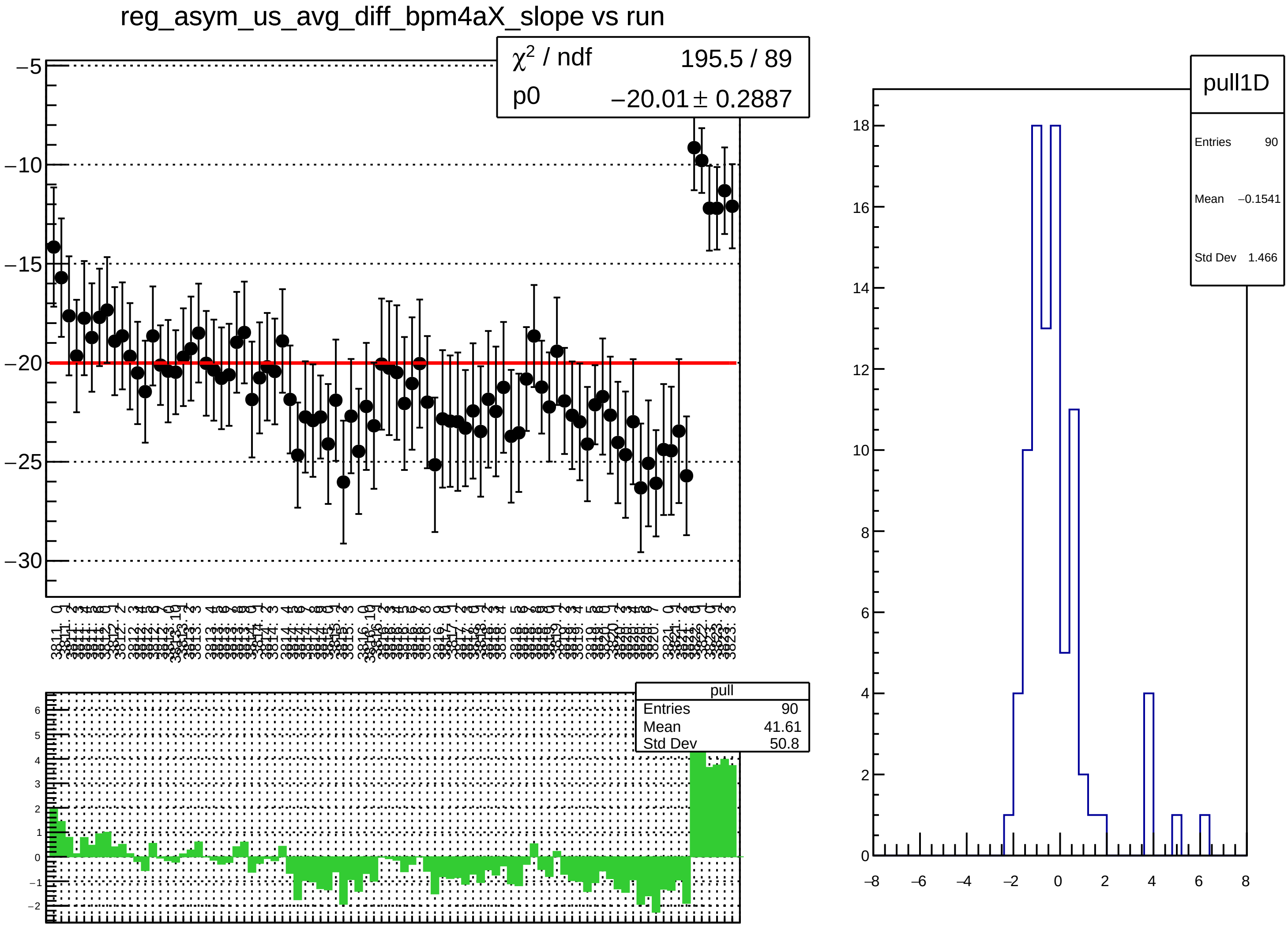
reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 3390 / 89
p0 39.92 ± 0.1138
pull
Entries 90
Mean 54.81
Std Dev 57.04
pull1D
Entries 90
Mean 1.993
Std Dev 4.273



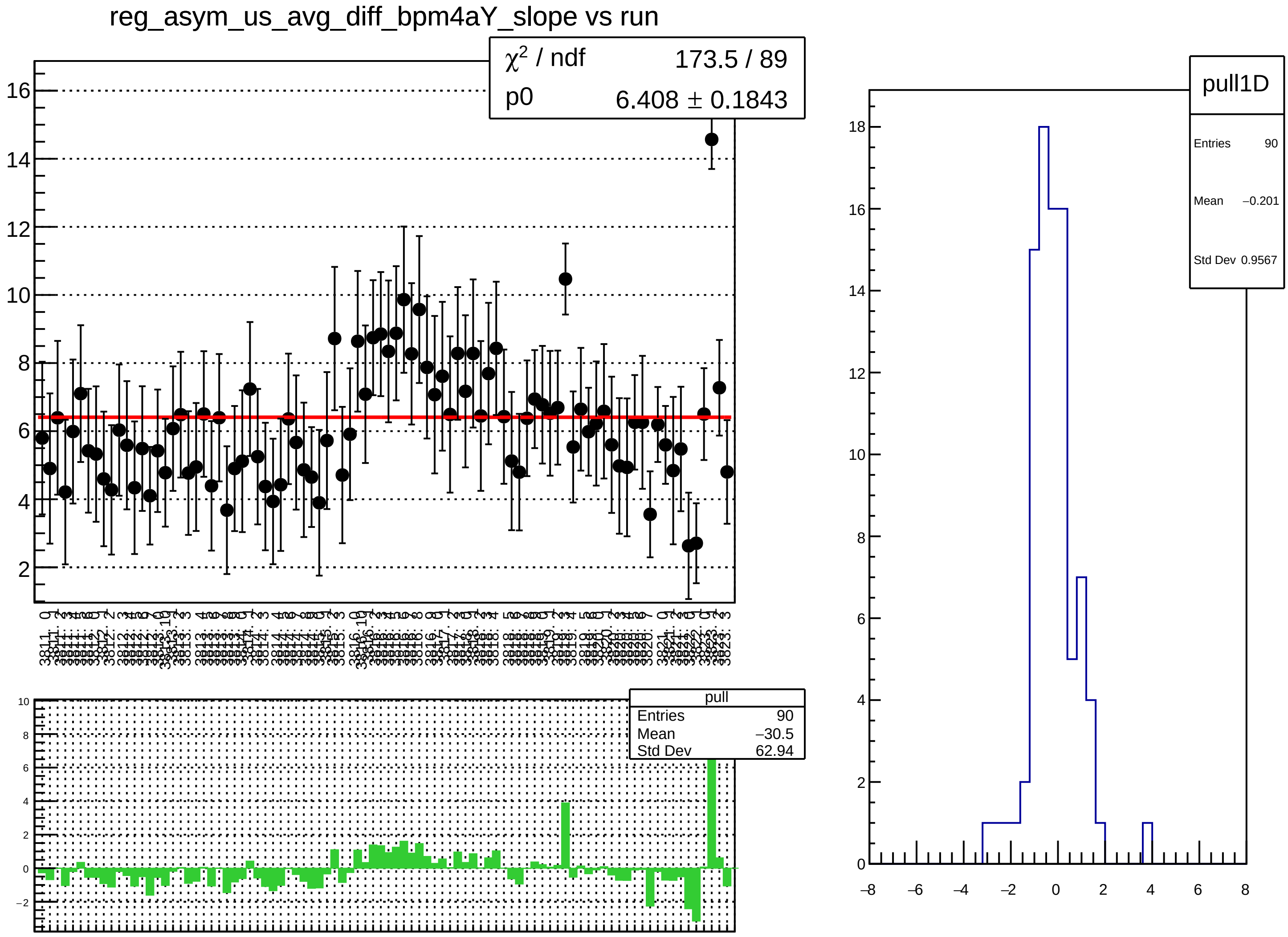
reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 950.1 / 89
p0 8.306 ± 0.6338
pull
Entries 90
Mean 4.043
Std Dev 43.41
pull1D
Entries 90
Mean −1.139
Std Dev 1.786



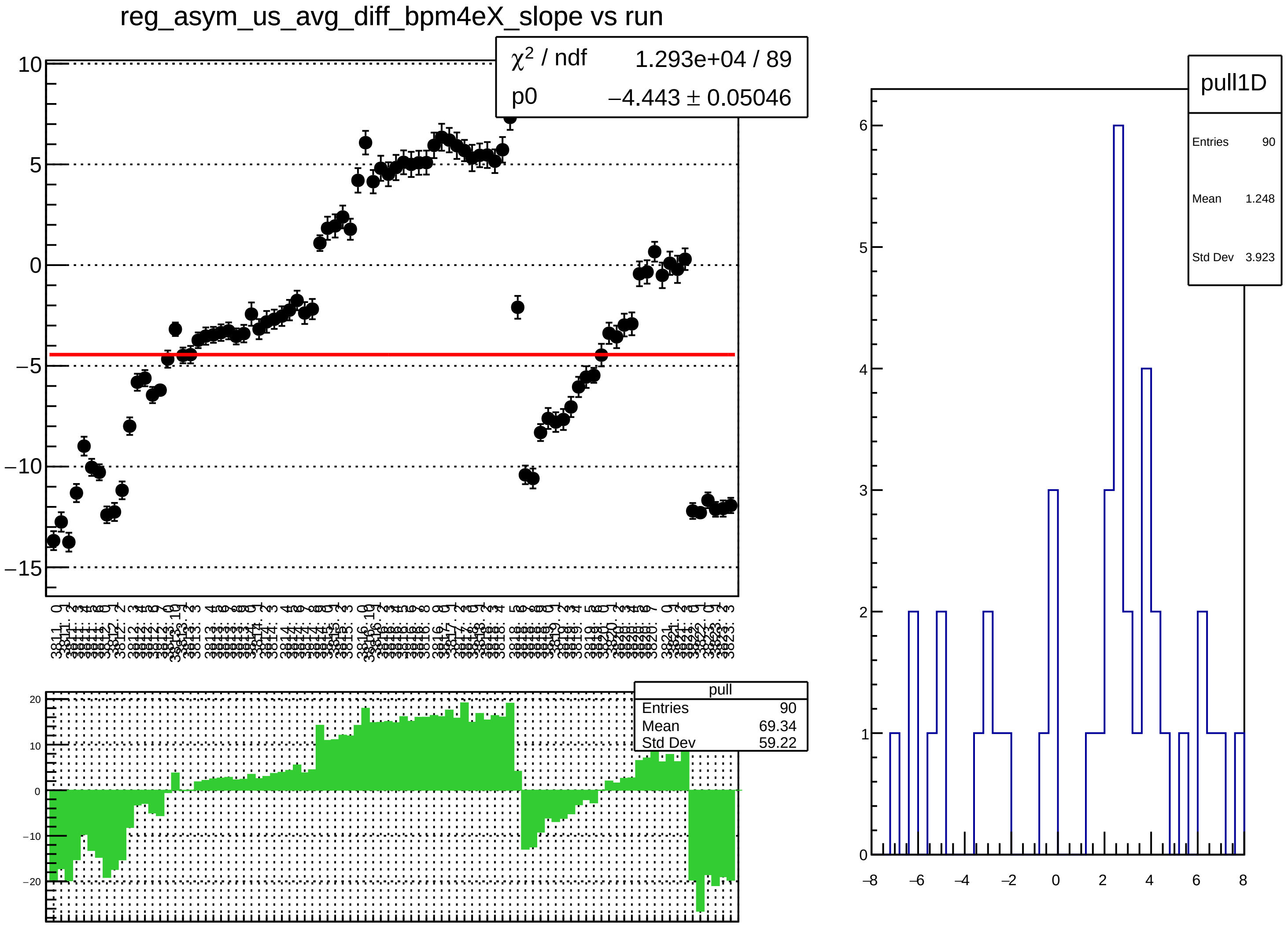
reg_asym_dsr_diff_bpm11X_slope vs run
χ^2 / ndf 3074 / 89
p0 −60.31 ± 0.1596
pull
Entries 90
Mean 26.26
Std Dev 38.46
pull1D
Entries 90
Mean −2.449
Std Dev 1.998



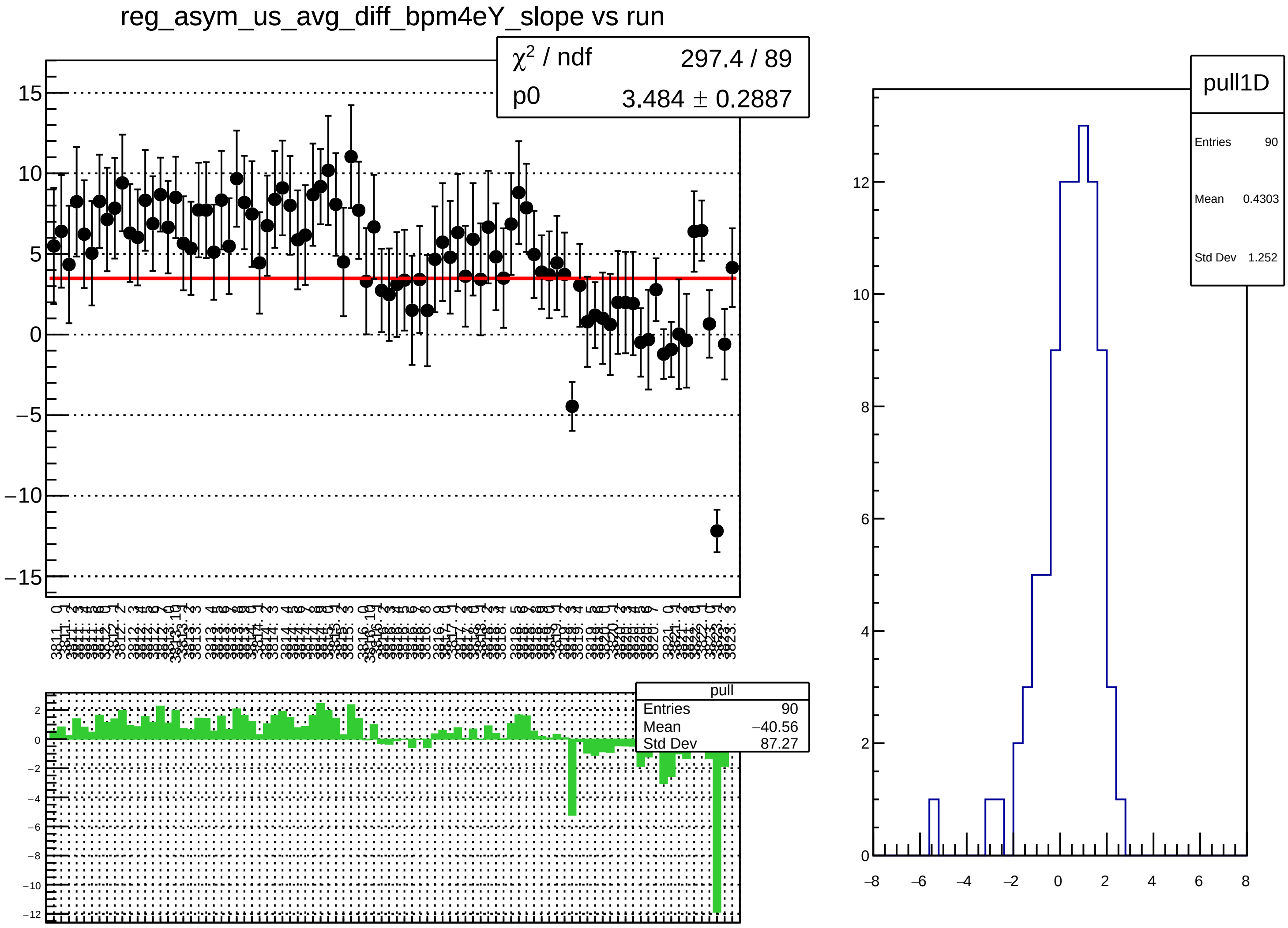
reg_asym_us_avg_diff_bpm4aX_slope vs run
χ2 / ndf 195.5 / 89
p0 −20.01 ± 0.2887
pull
Entries 90
Mean 41.61
Std Dev 50.8
pull1D
Entries 90
Mean −0.1541
Std Dev 1.466



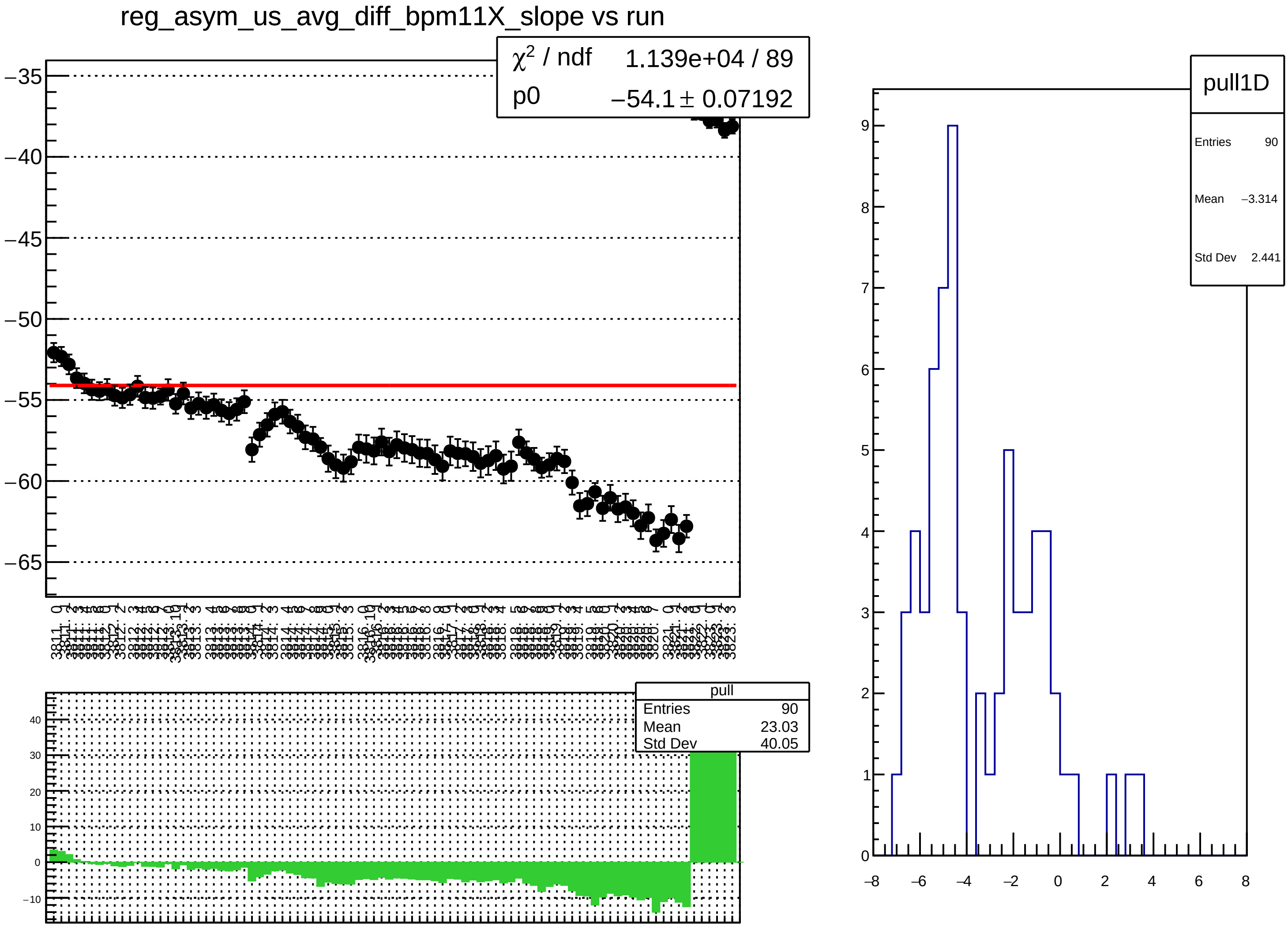
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 173.5 / 89
p0 6.408 ± 0.1843
pull
Entries 90
Mean −30.5
Std Dev 62.94
pull1D
Entries 90
Mean −0.201
Std Dev 0.9567



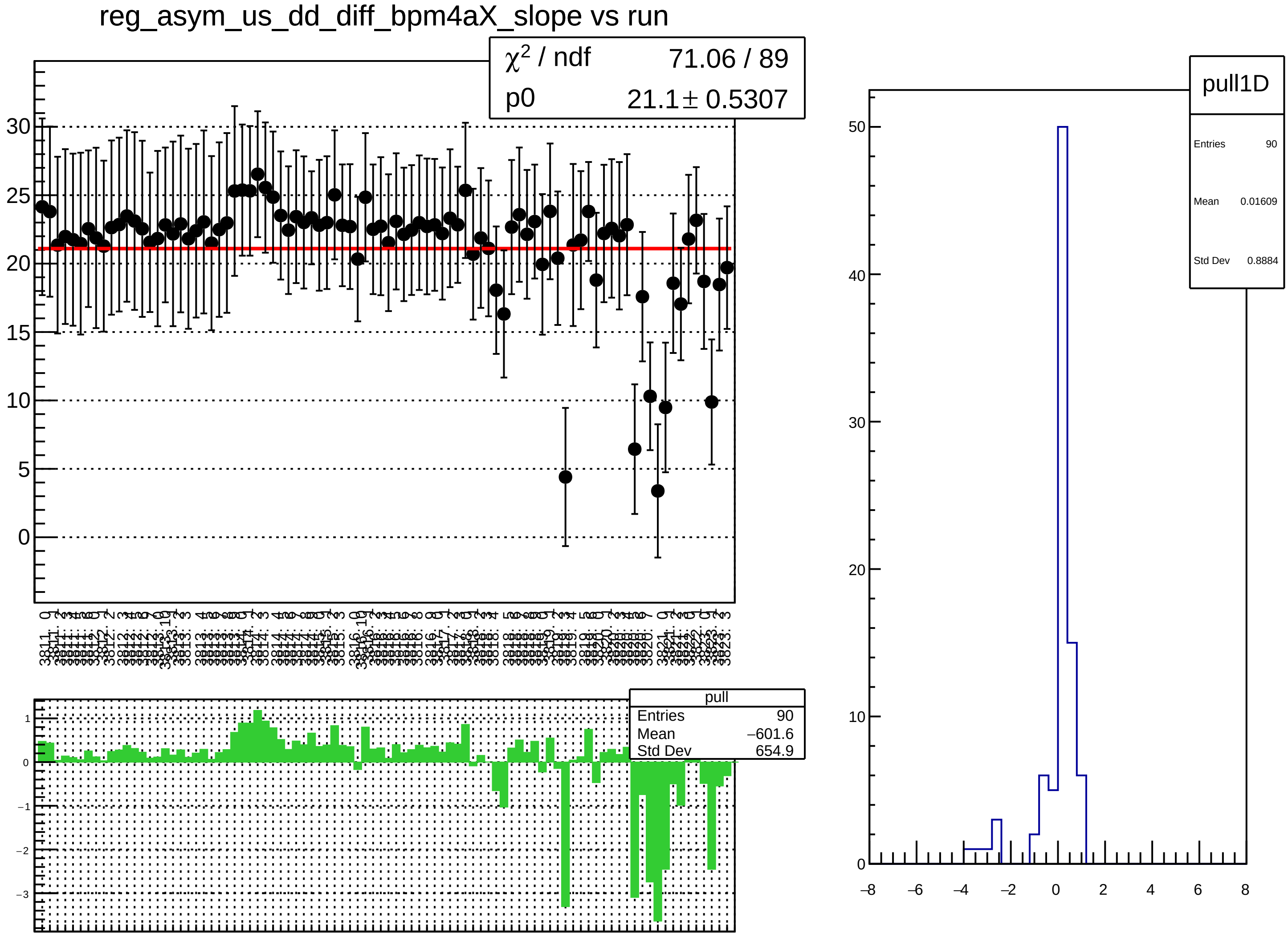
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.293e+04 / 89
p0 −4.443 ± 0.05046
pull
Entries 90
Mean 69.34
Std Dev 59.22
pull1D
Entries 90
Mean 1.248
Std Dev 3.923

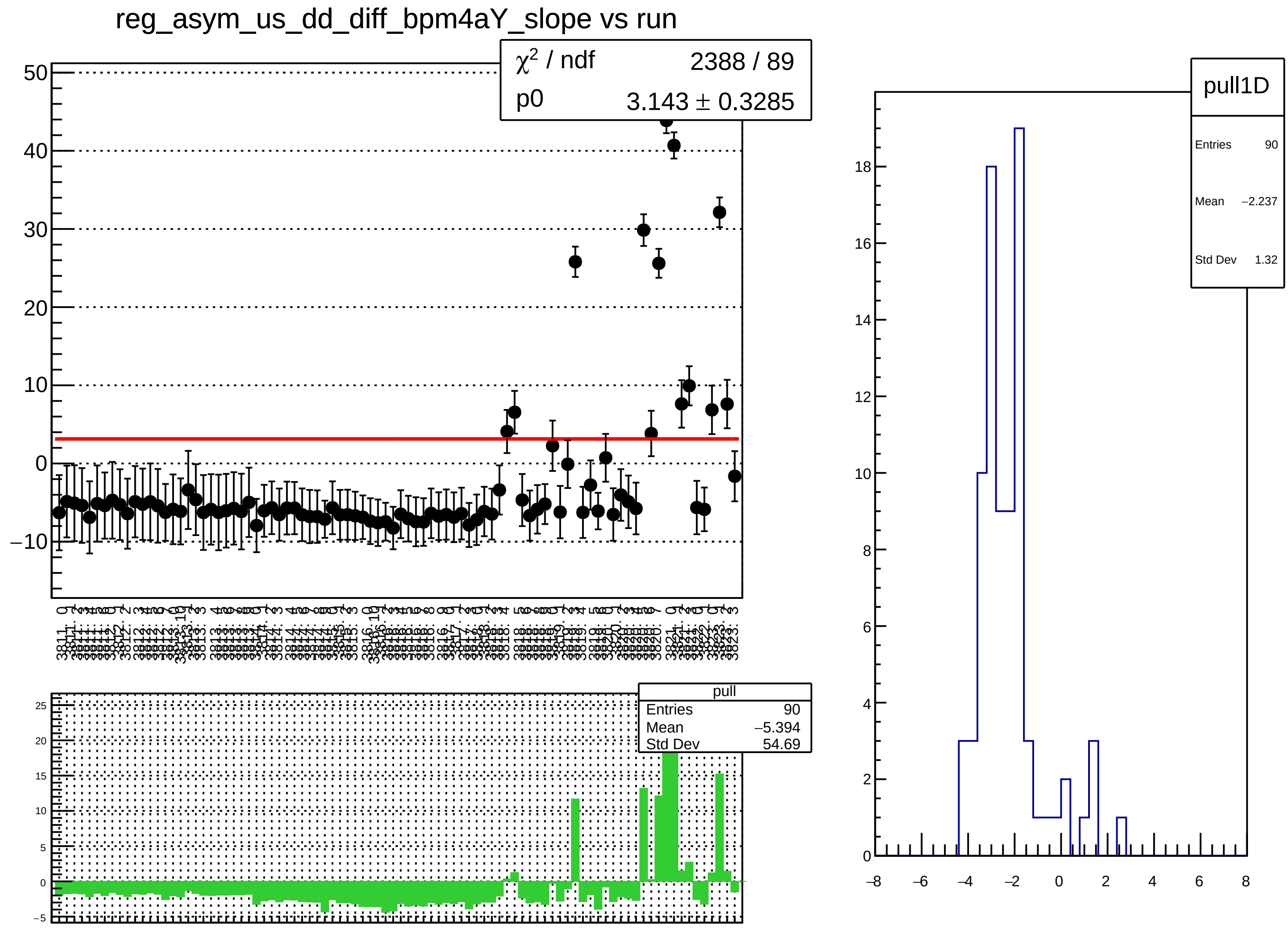


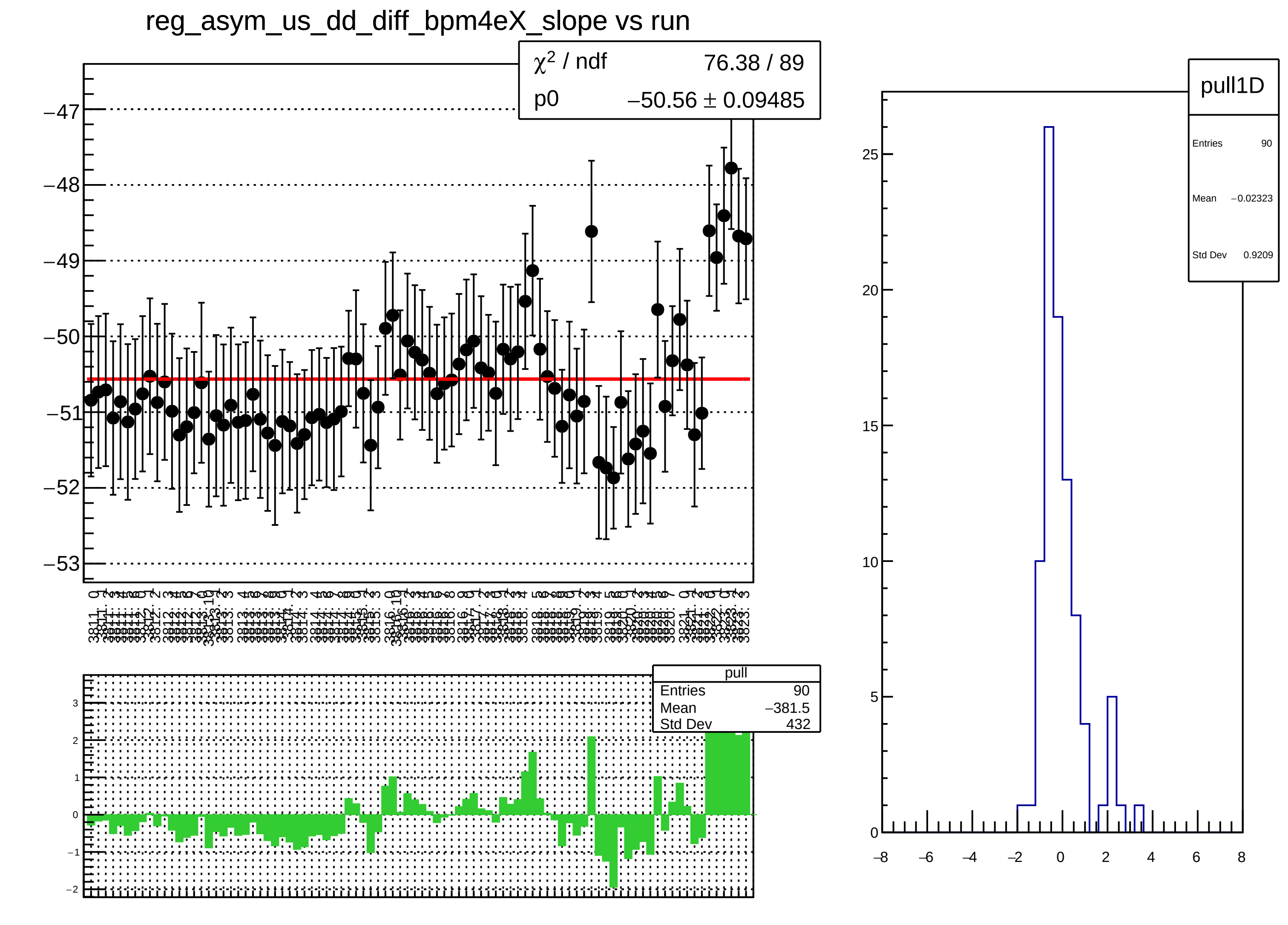
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 297.4 / 89
p0 3.484 ± 0.2887
pull
Entries 90
Mean −40.56
Std Dev 87.27
pull1D
Entries 90
Mean 0.4303
Std Dev 1.252



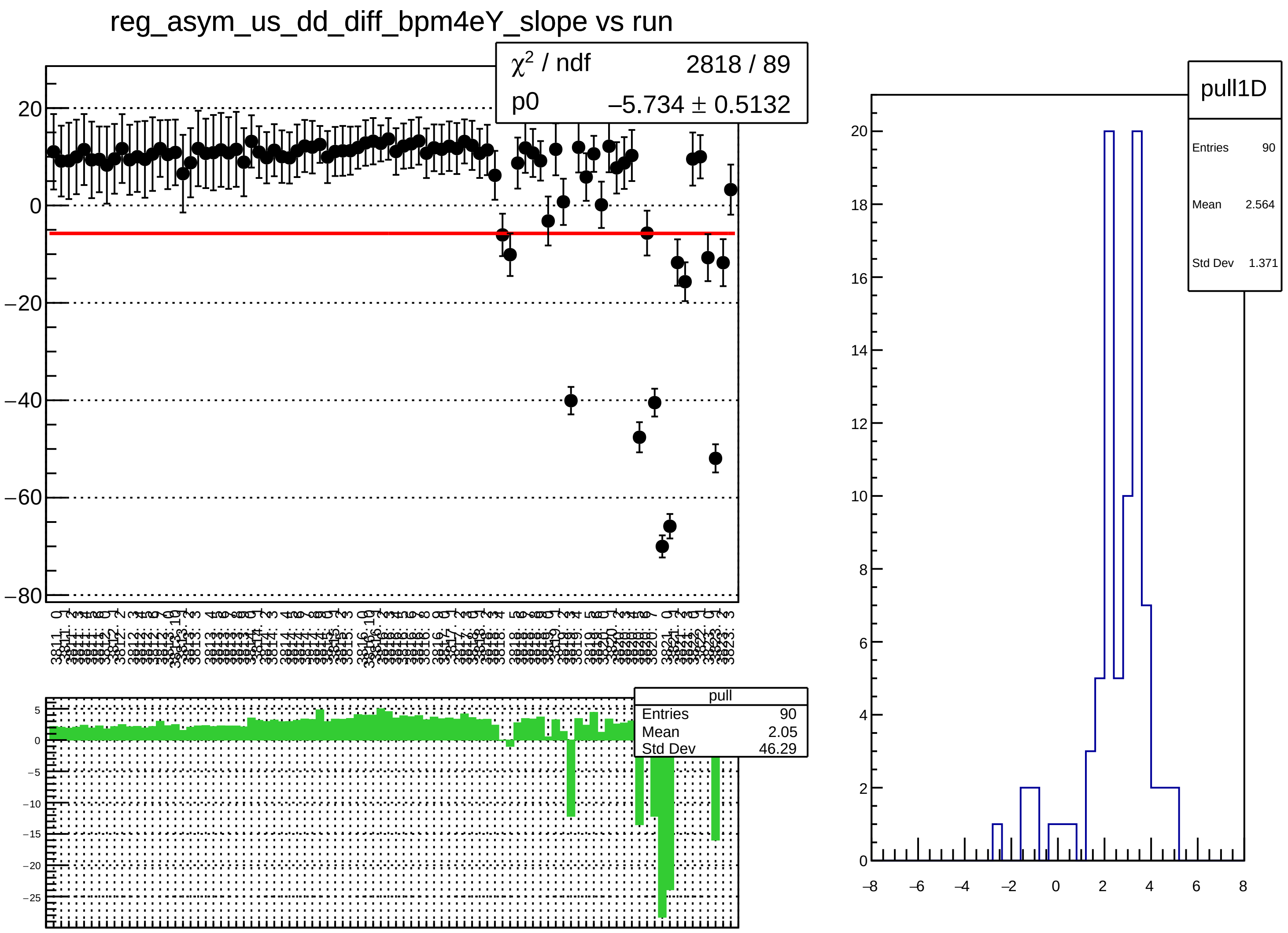
reg_asym_us_avg_diff_bpm11X_slope vs run
χ^2 / ndf 1.139e+04 / 89
p0 −54.1 ± 0.07192
pull
Entries 90
Mean 23.03
Std Dev 40.05
pull1D
Entries 90
Mean −3.314
Std Dev 2.441


reg_asym_us_dd_diff_bpm4aX_slope vs run
χ2 / ndf 71.06 / 89
p0 21.1 ± 0.5307
pull
Entries 90
Mean −601.6
Std Dev 654.9
pull1D
Entries 90
Mean 0.01609
Std Dev 0.8884

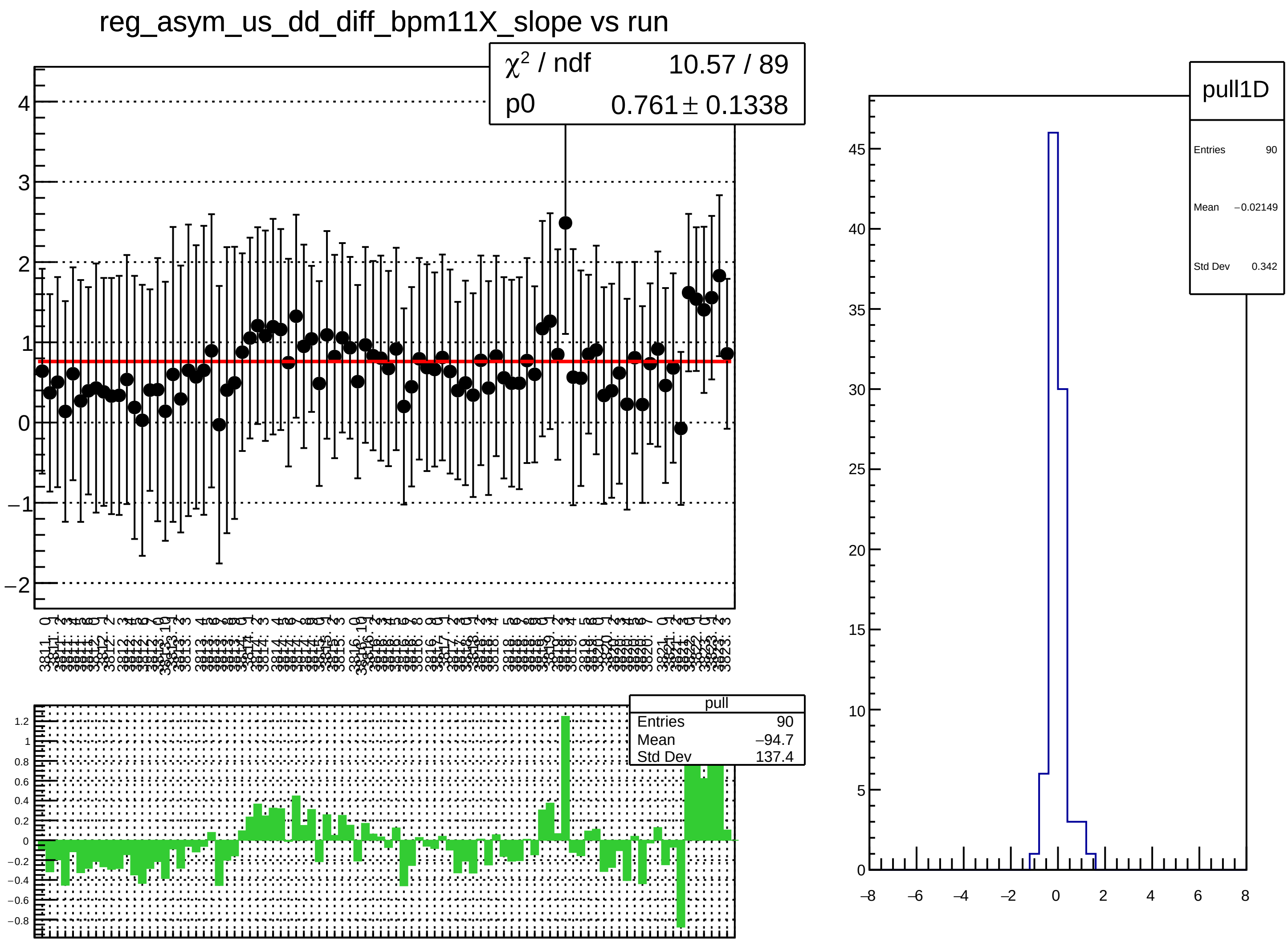

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ2 / ndf 2388 / 89
p0 3.143 ± 0.3285
pull
Entries 90
Mean −5.394
Std Dev 54.69
pull1D
Entries 90
Mean −2.237
Std Dev 1.32

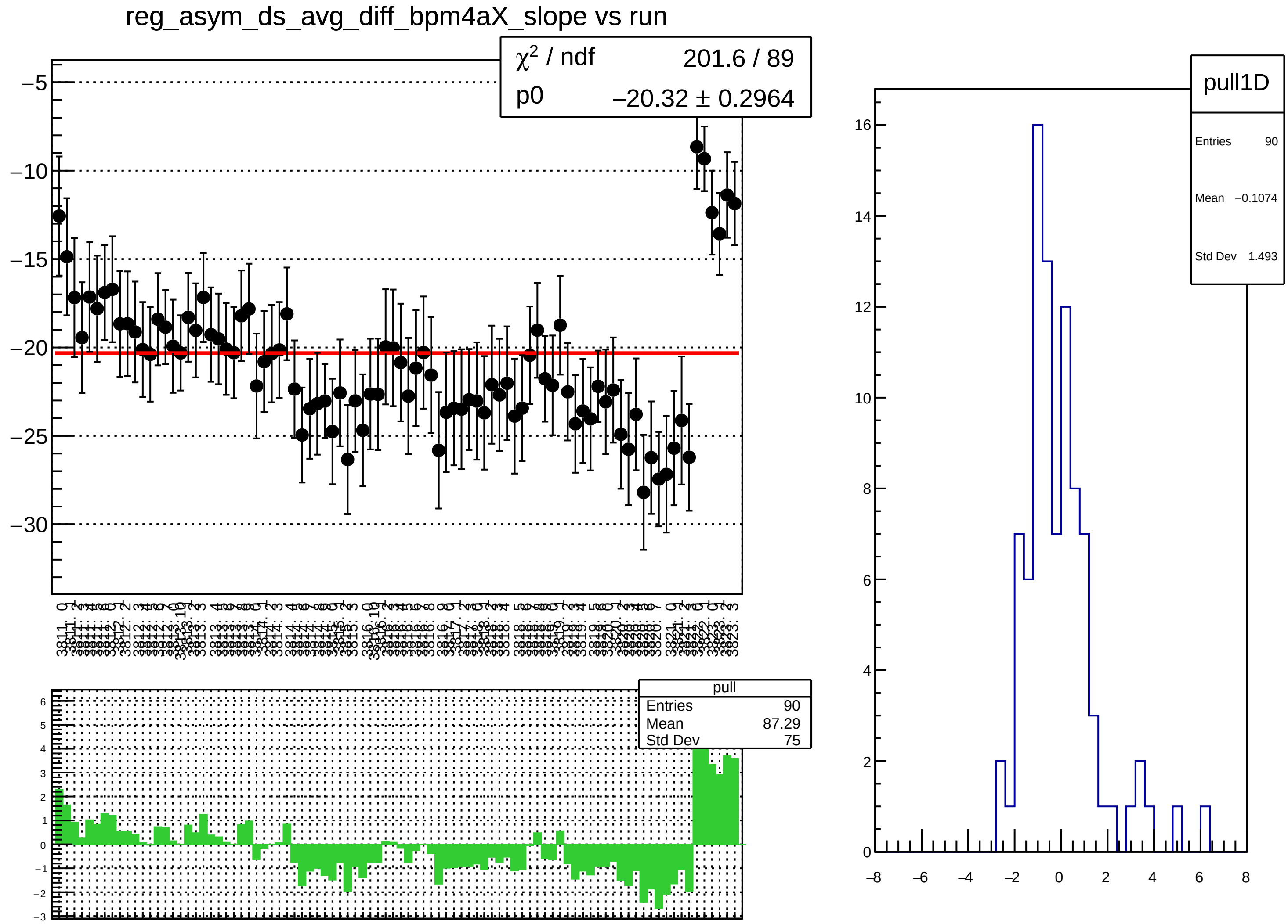


reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 76.38 / 89
p0 −50.56 ± 0.09485
pull
Entries 90
Mean −381.5
Std Dev 432
pull1D
Entries 90
Mean −0.02323
Std Dev 0.9209

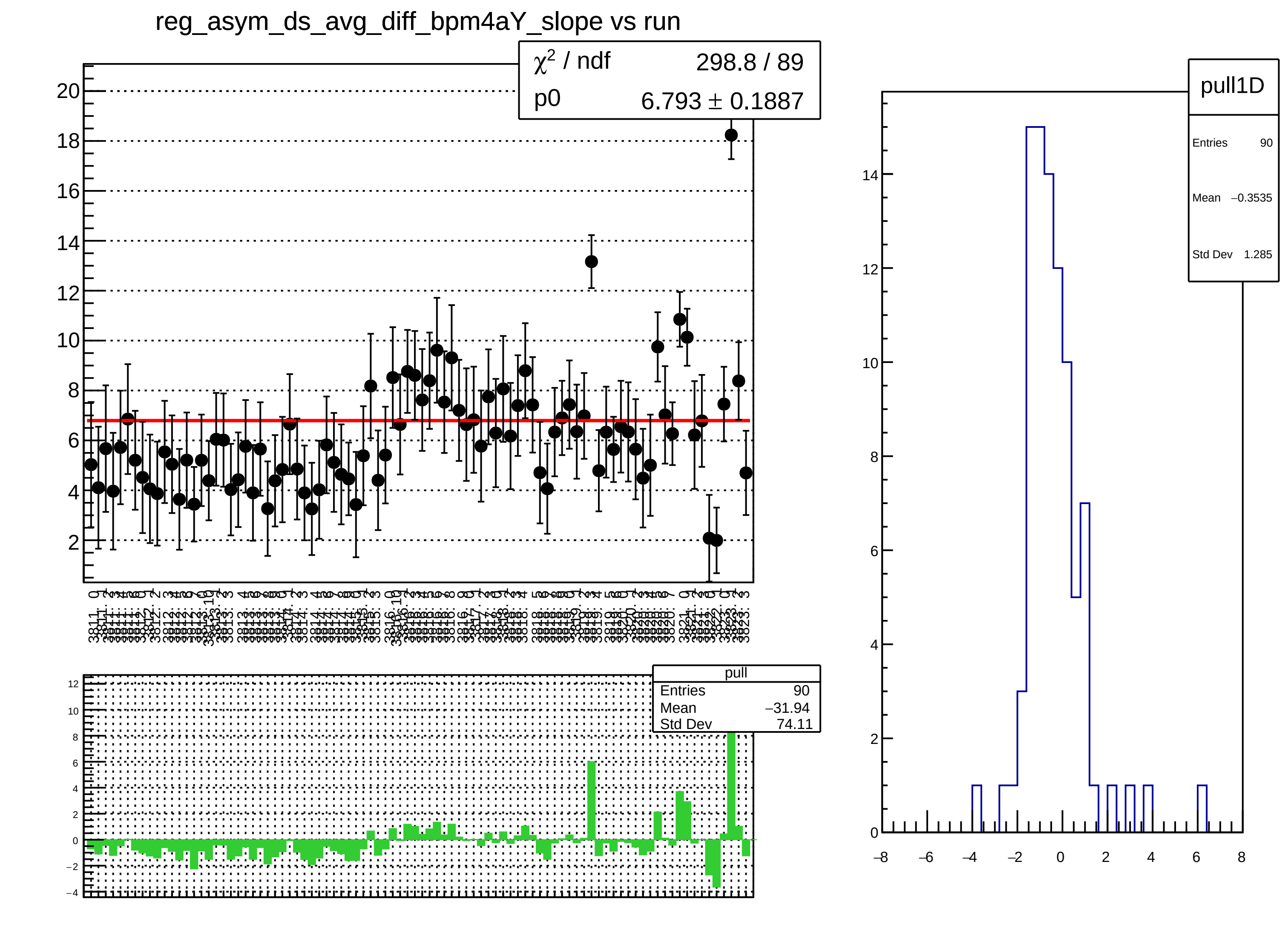


reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2818 / 89
p0 −5.734 ± 0.5132
pull
Entries 90
Mean 2.05
Std Dev 46.29
pull1D
Entries 90
Mean 2.564
Std Dev 1.371

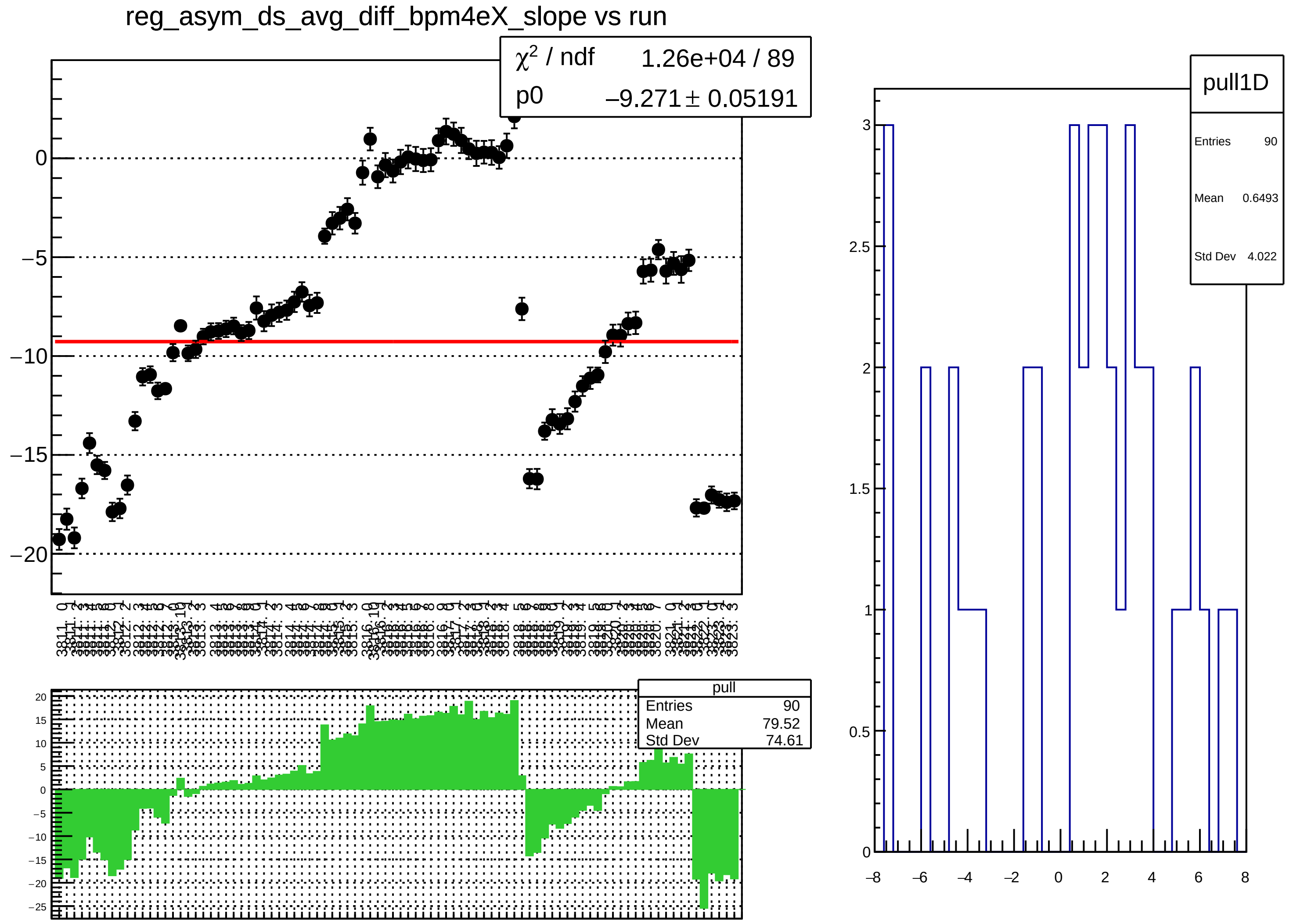

reg_asym_us_dd_diff_bpm11X_slope vs run
χ2 / ndf 10.57 / 89
p0 0.761 ± 0.1338
pull
Entries 90
Mean −94.7
Std Dev 137.4
pull1D
Entries 90
Mean −0.02149
Std Dev 0.342



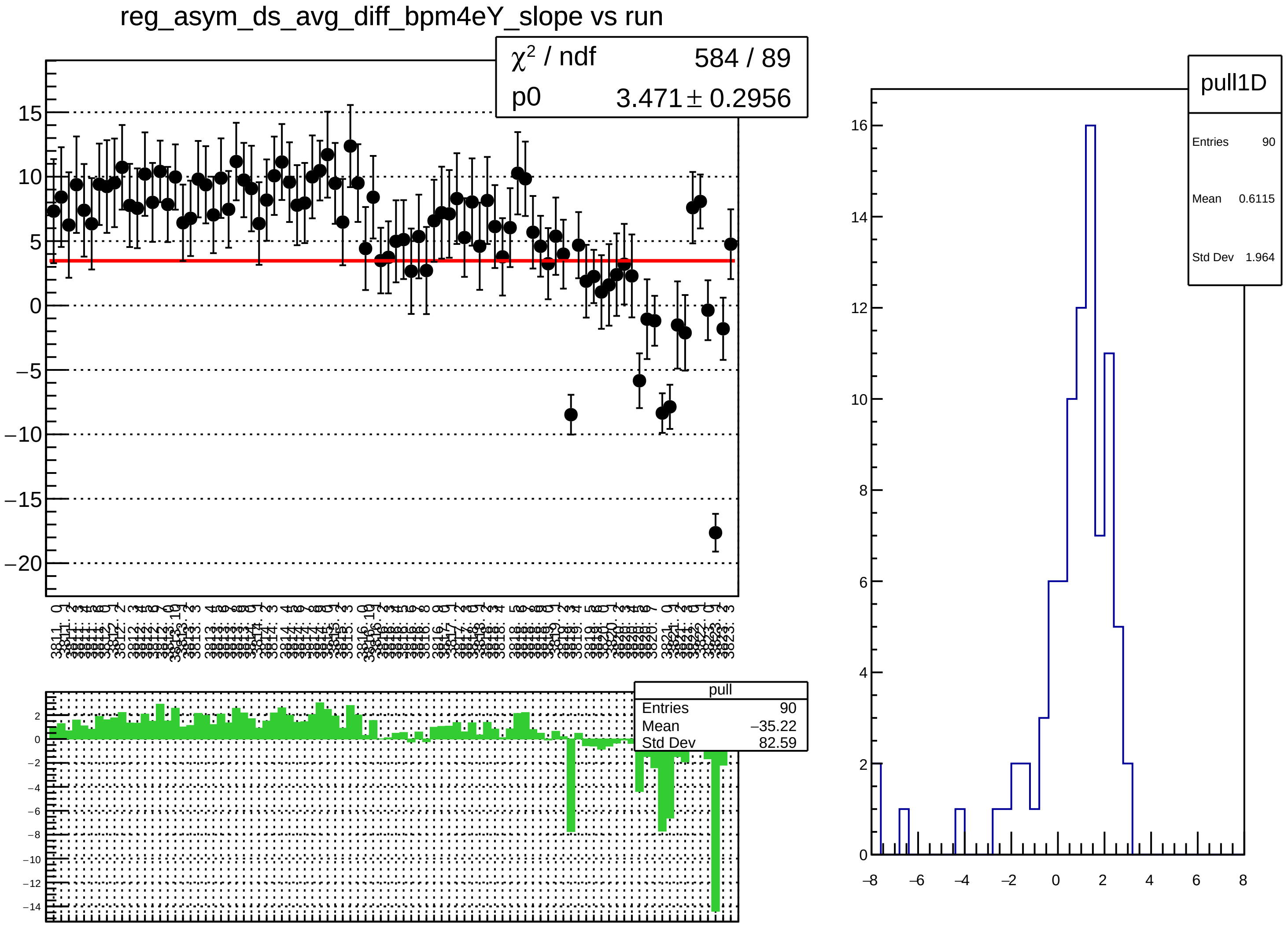
reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 201.6 / 89
p0 −20.32 ± 0.2964
pull
Entries 90
Mean 87.29
Std Dev 75
pull1D
Entries 90
Mean −0.1074
Std Dev 1.493



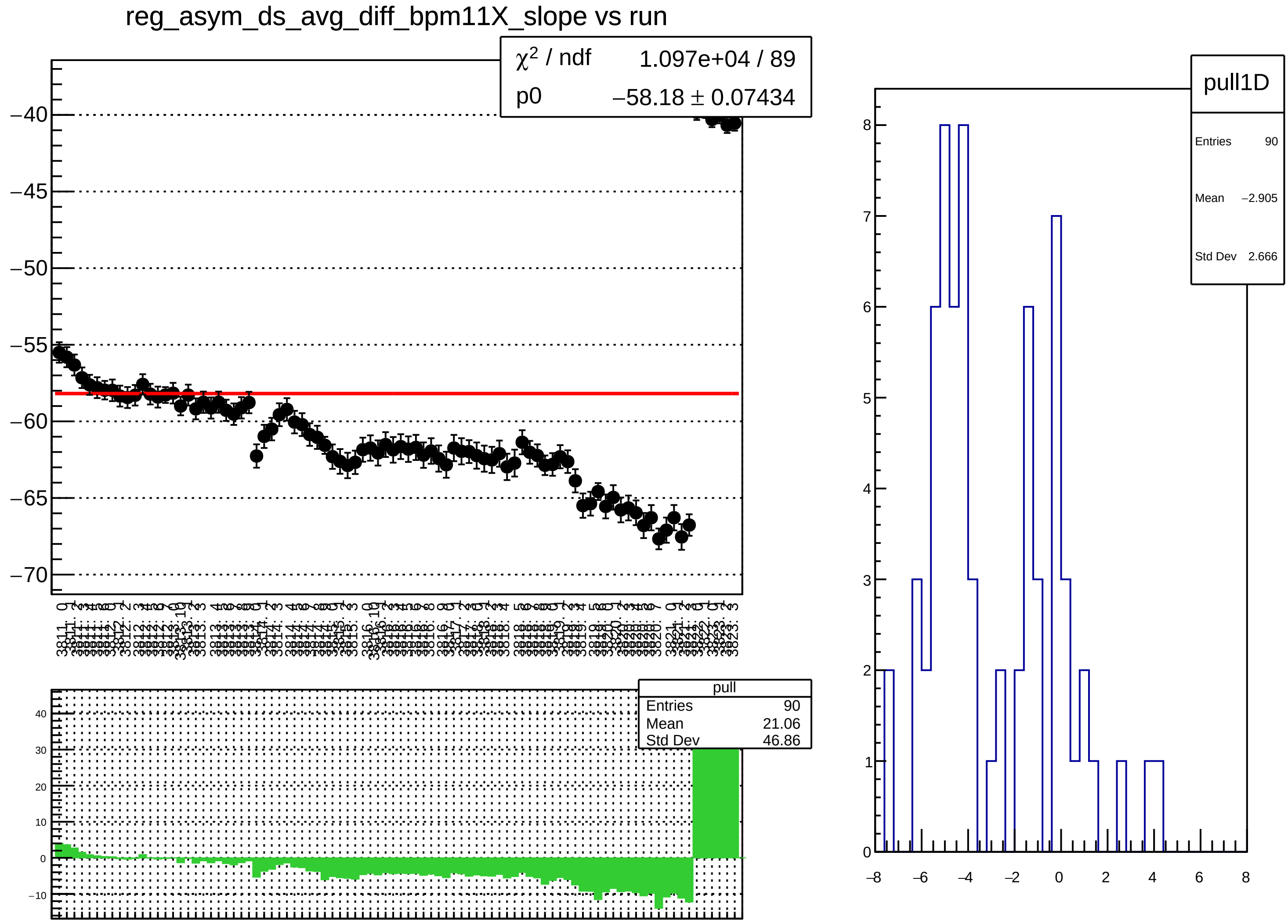
reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ2 / ndf 298.8 / 89
p0 6.793 ± 0.1887
pull
Entries 90
Mean −31.94
Std Dev 74.11
pull1D
Entries 90
Mean −0.3535
Std Dev 1.285

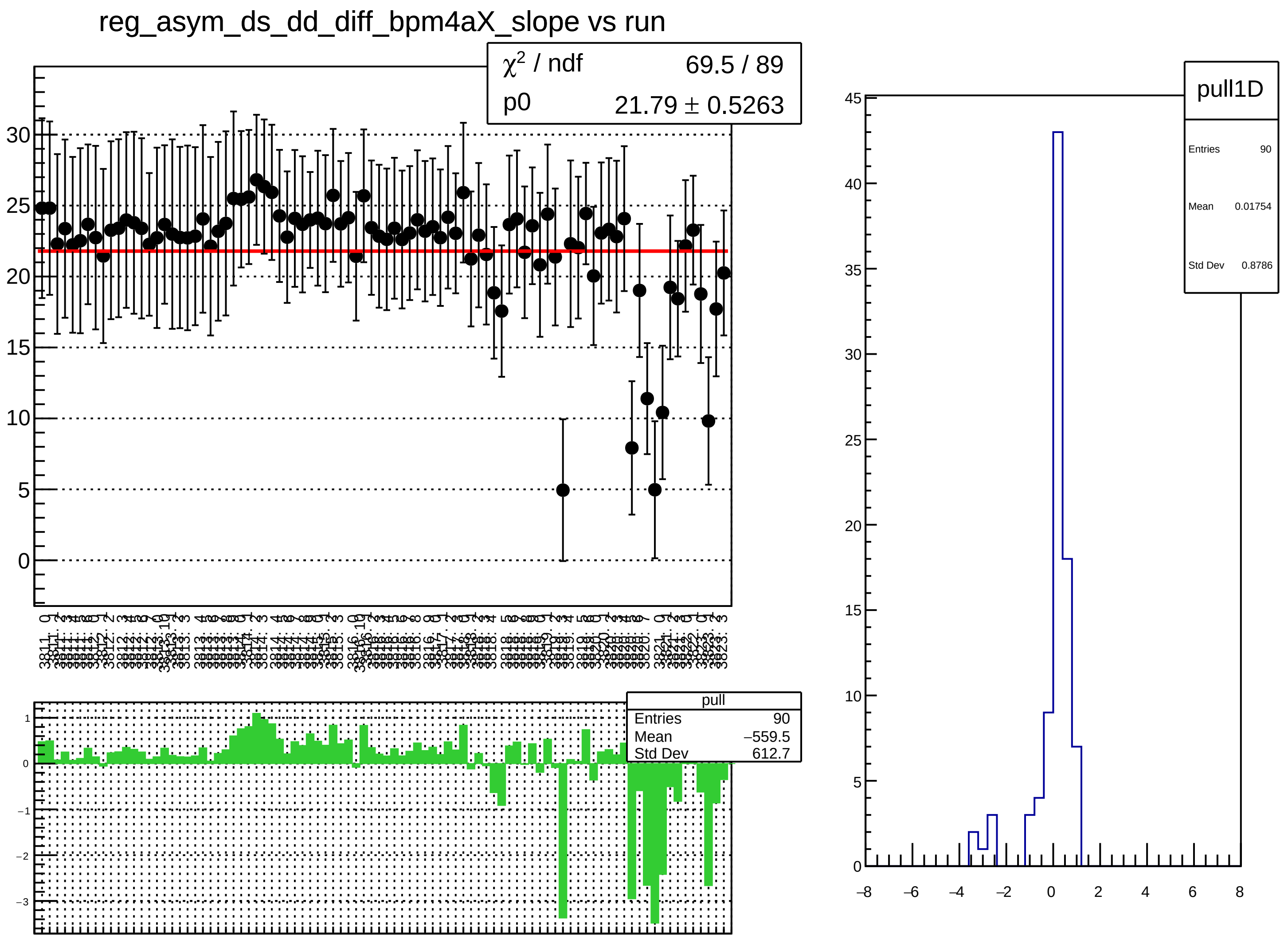


reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1.26e+04 / 89
p0 −9.271 ± 0.05191
pull
Entries 90
Mean 79.52
Std Dev 74.61
pull1D
Entries 90
Mean 0.6493
Std Dev 4.022

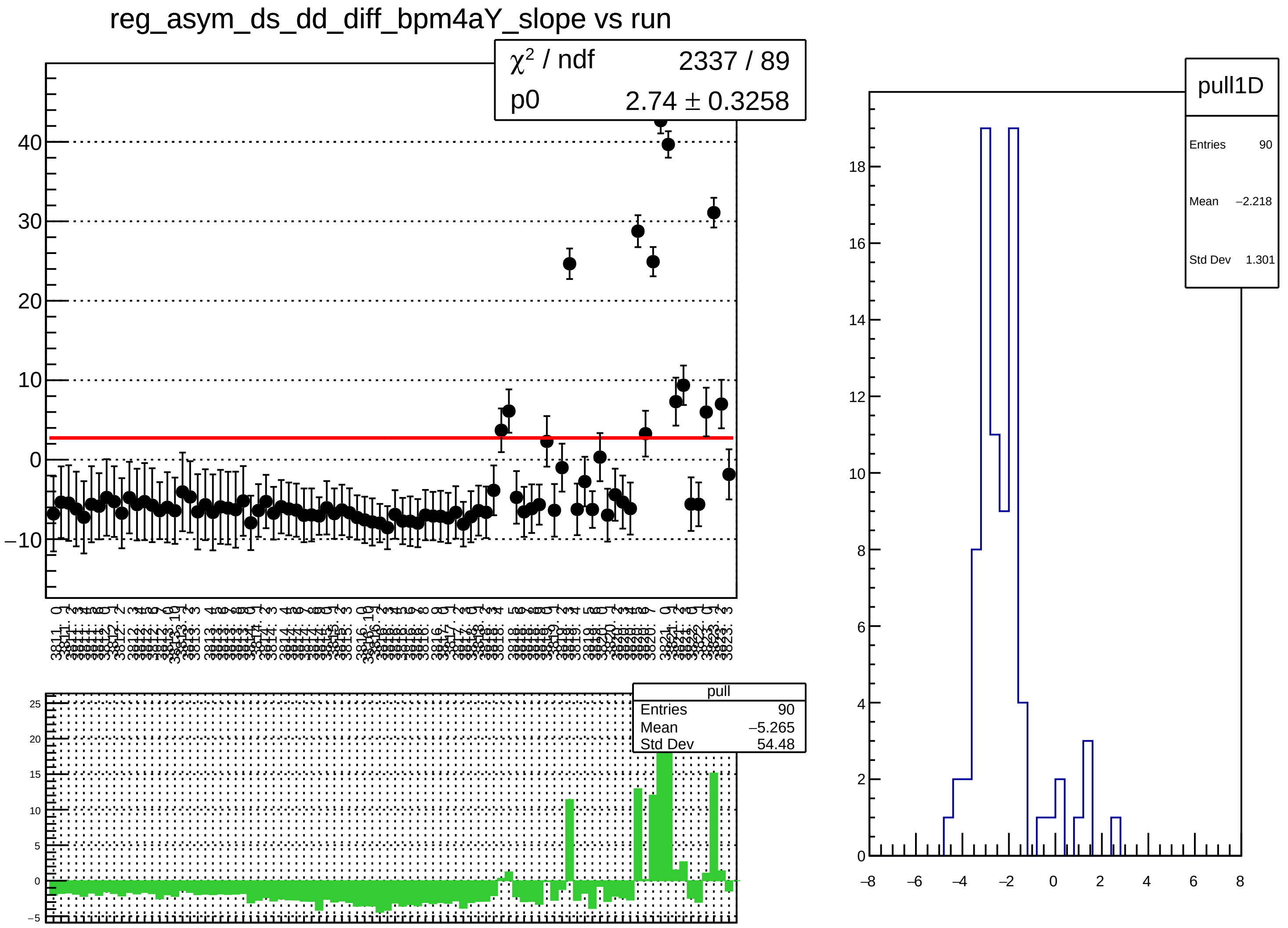


reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 584 / 89
p0 3.471 ± 0.2956
pull
Entries 90
Mean −35.22
Std Dev 82.59
pull1D
Entries 90
Mean 0.6115
Std Dev 1.964

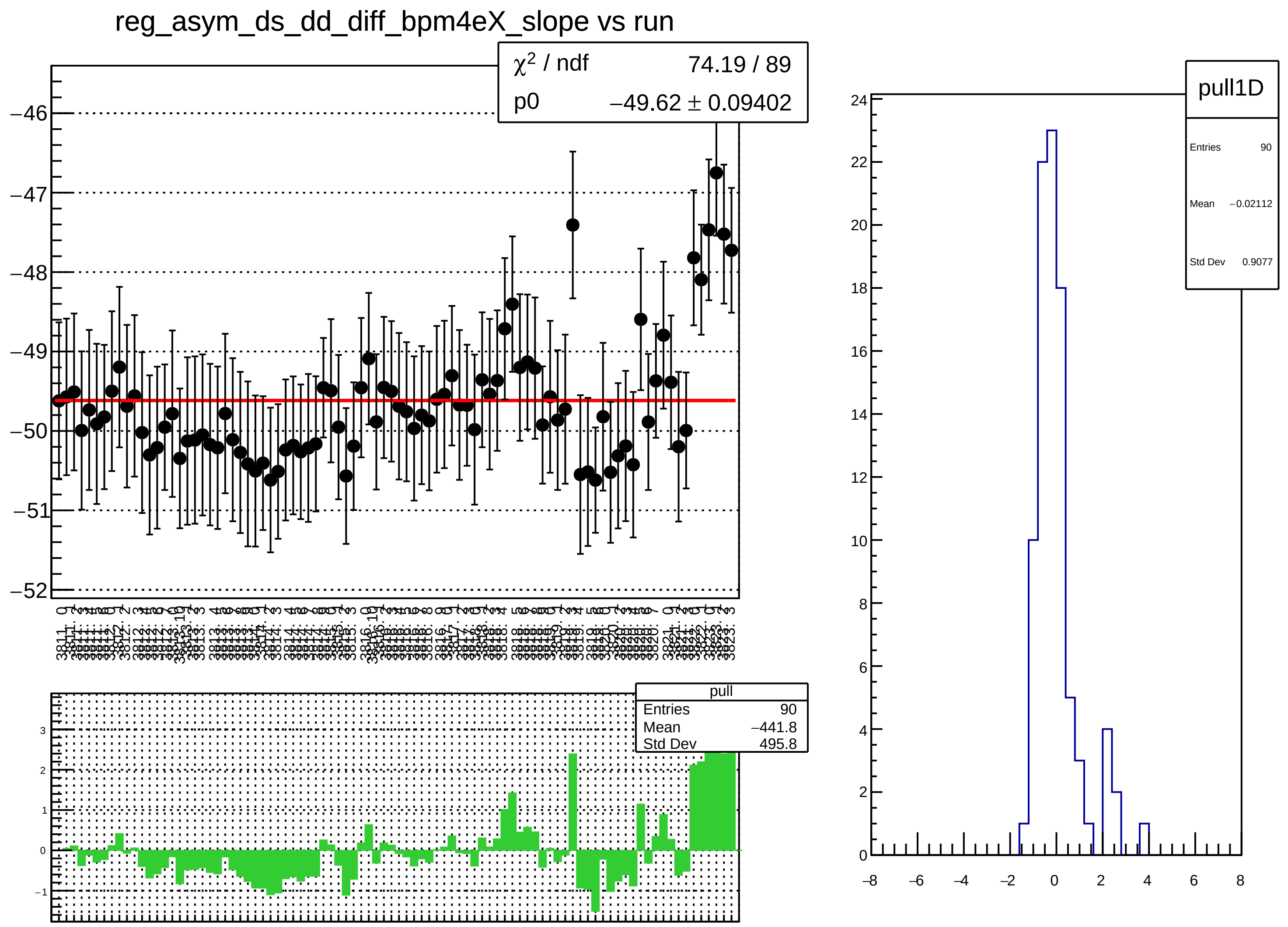

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ^2 / ndf 1.097e+04 / 89
p0 −58.18 ± 0.07434
pull
Entries 90
Mean 21.06
Std Dev 46.86
pull1D
Entries 90
Mean −2.905
Std Dev 2.666

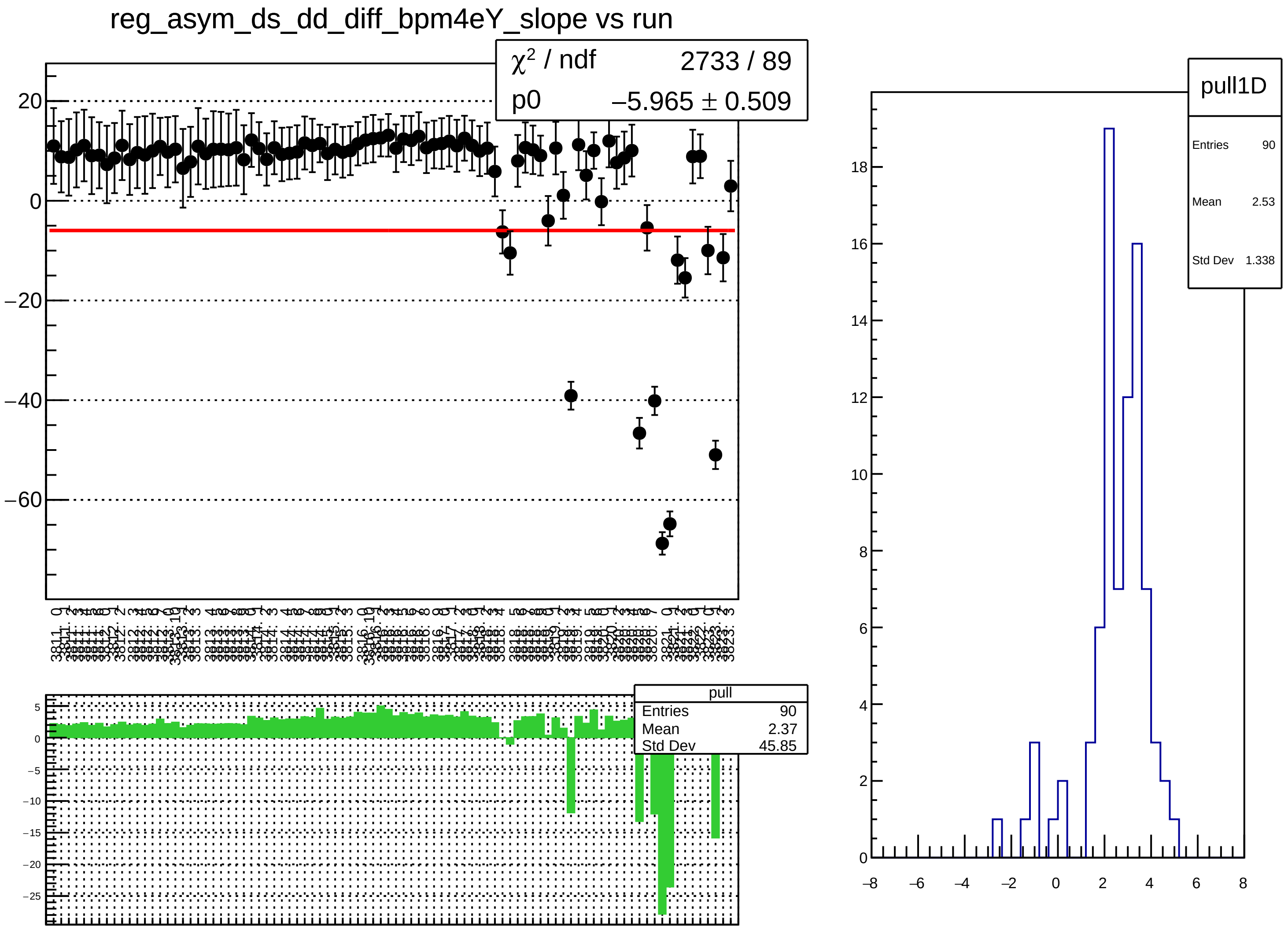


reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ2 / ndf 69.5 / 89
p0 21.79 ± 0.5263
pull
Entries 90
Mean −559.5
Std Dev 612.7
pull1D
Entries 90
Mean 0.01754
Std Dev 0.8786

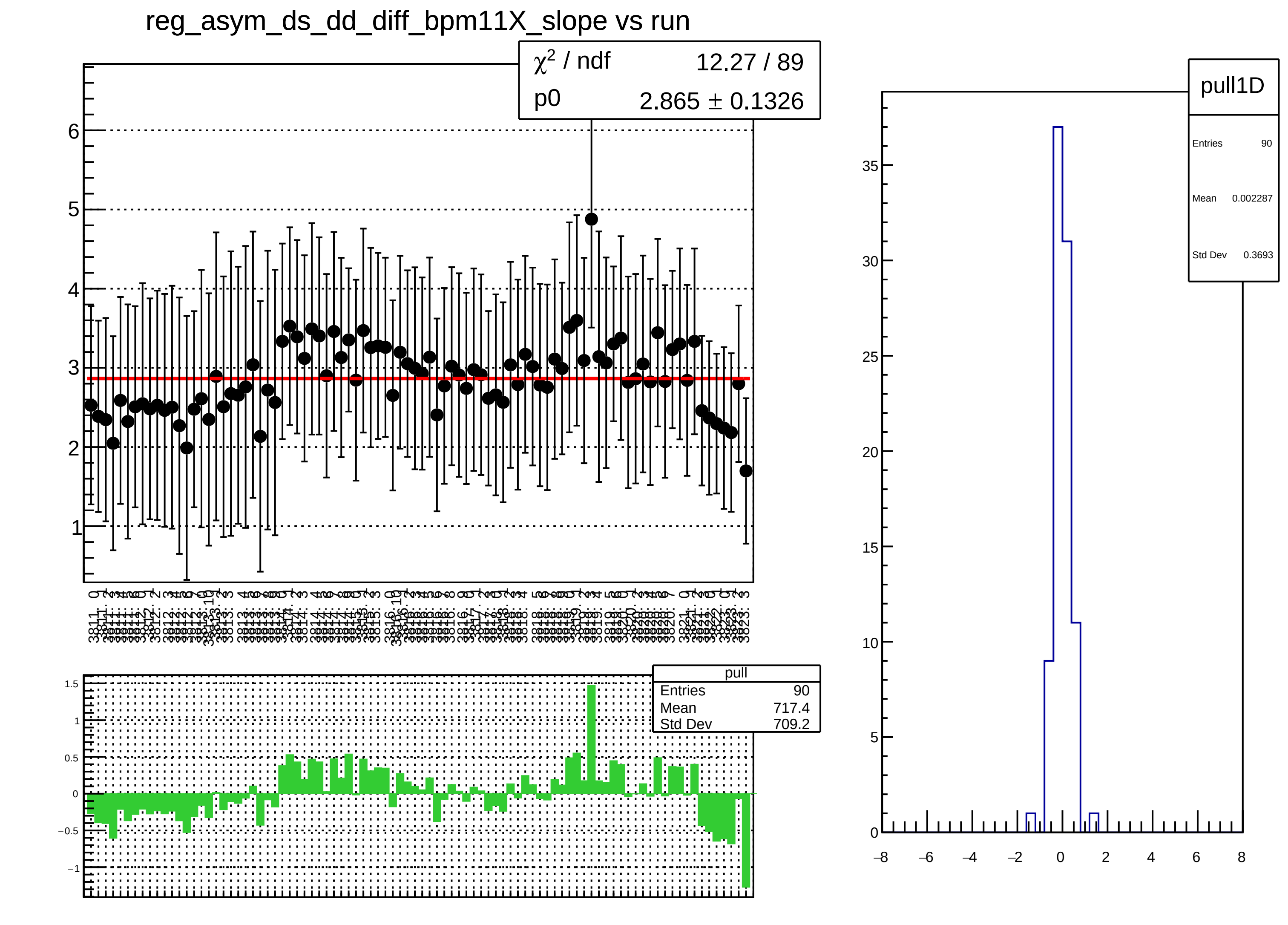


reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2337 / 89
p0 2.74 ± 0.3258
40
30
20
10
0
−10
pull
Entries 90
Mean −5.265
Std Dev 54.48
25
20
15
10
5
0
−5
pull1D
Entries 90
Mean −2.218
Std Dev 1.301
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

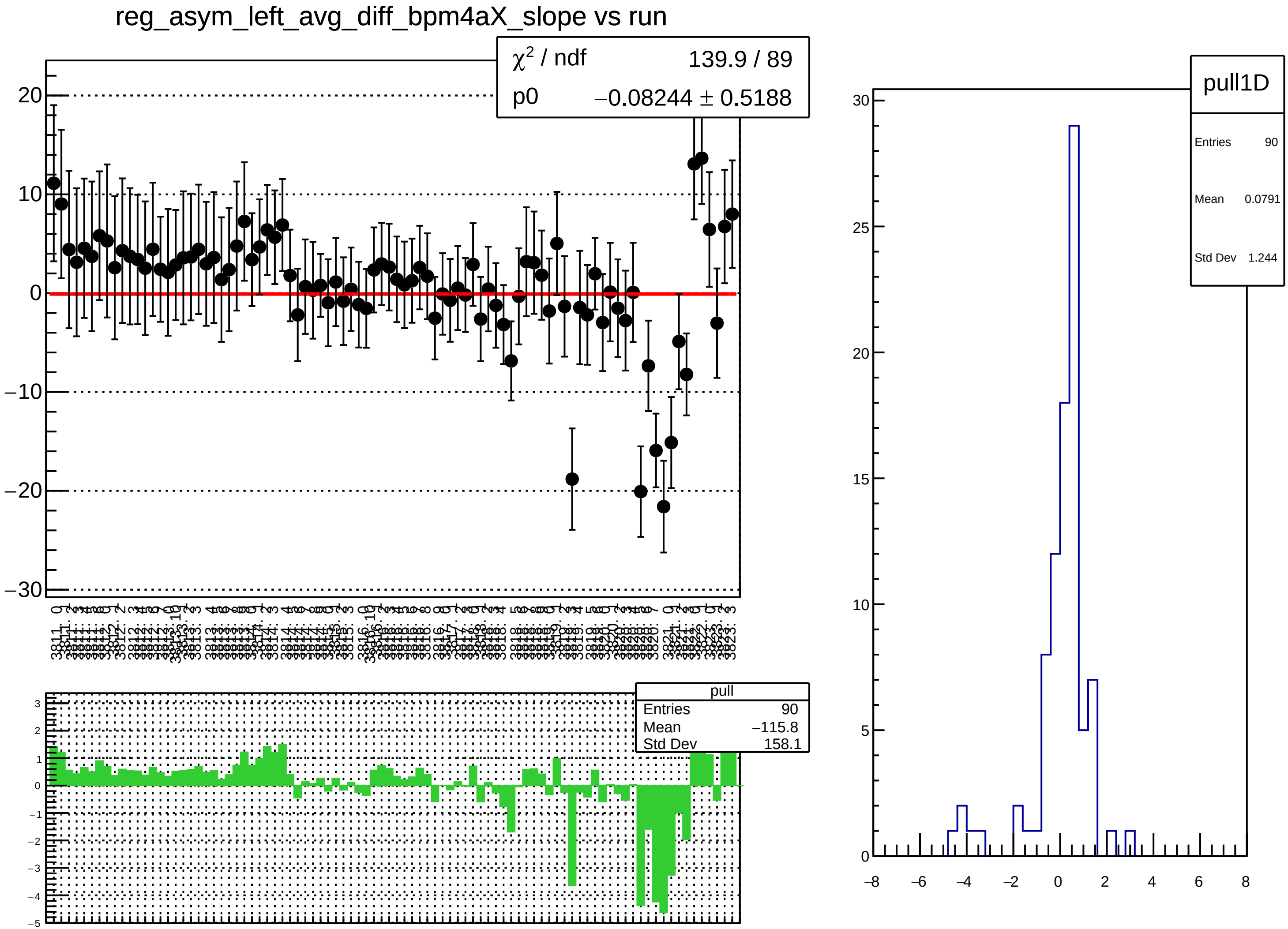

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 74.19 / 89
p0 −49.62 ± 0.09402
−46
−47
−48
−49
−50
−51
−52
pull
Entries 90
Mean −441.8
Std Dev 495.8
3
2
1
0
−1
pull1D
Entries 90
Mean −0.02112
Std Dev 0.9077
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



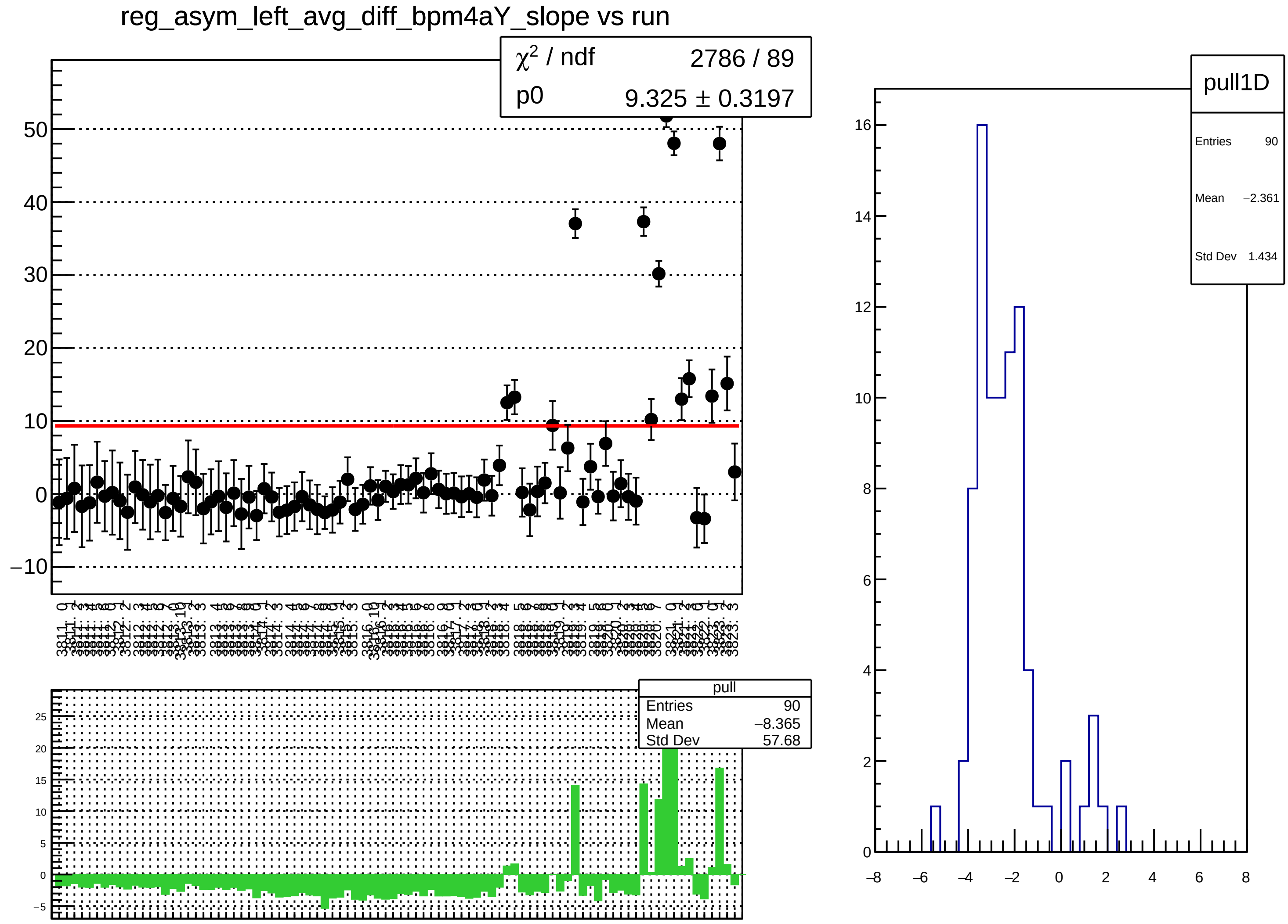
reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2733 / 89
p0 −5.965 ± 0.509
pull
Entries 90
Mean 2.37
Std Dev 45.85
pull1D
Entries 90
Mean 2.53
Std Dev 1.338



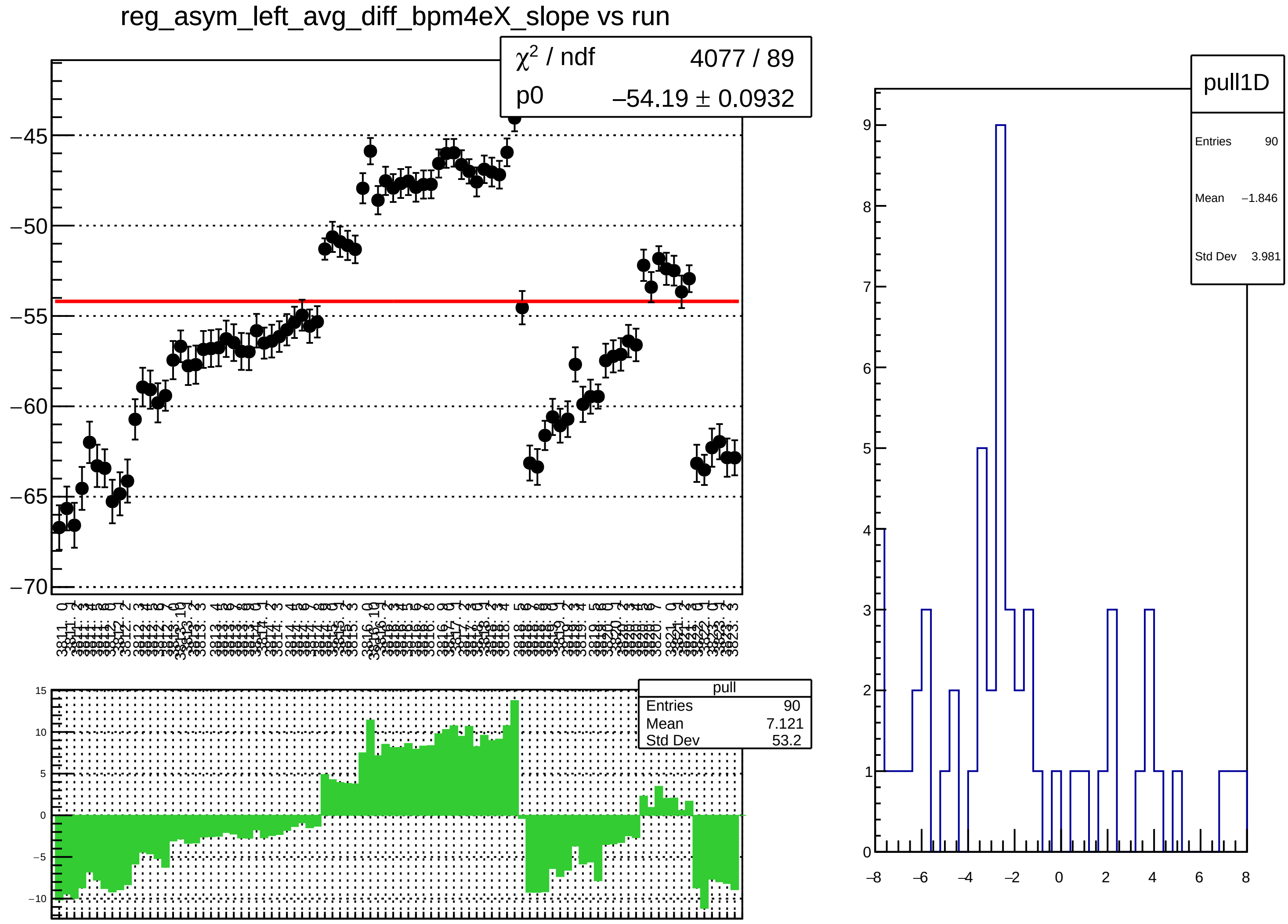
reg_asym_ds_dd_diff_bpm11X_slope vs run
χ2 / ndf 12.27 / 89
p0 2.865 ± 0.1326
pull
Entries 90
Mean 717.4
Std Dev 709.2
pull1D
Entries 90
Mean 0.002287
Std Dev 0.3693



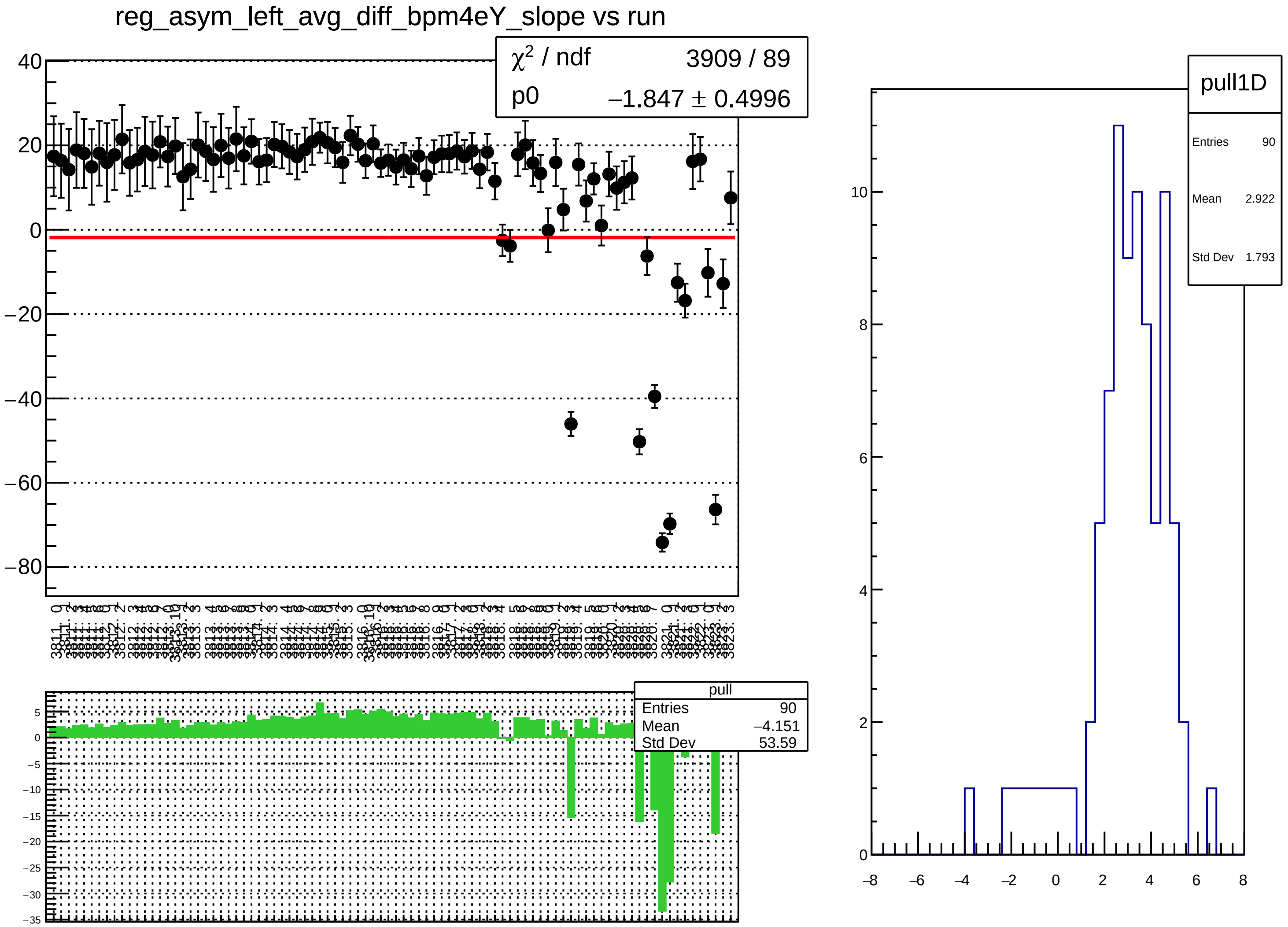
reg_asym_left_avg_diff_bpm4aX_slope vs run
χ2 / ndf 139.9 / 89
p0 −0.08244 ± 0.5188
pull
Entries 90
Mean −115.8
Std Dev 158.1
pull1D
Entries 90
Mean 0.0791
Std Dev 1.244

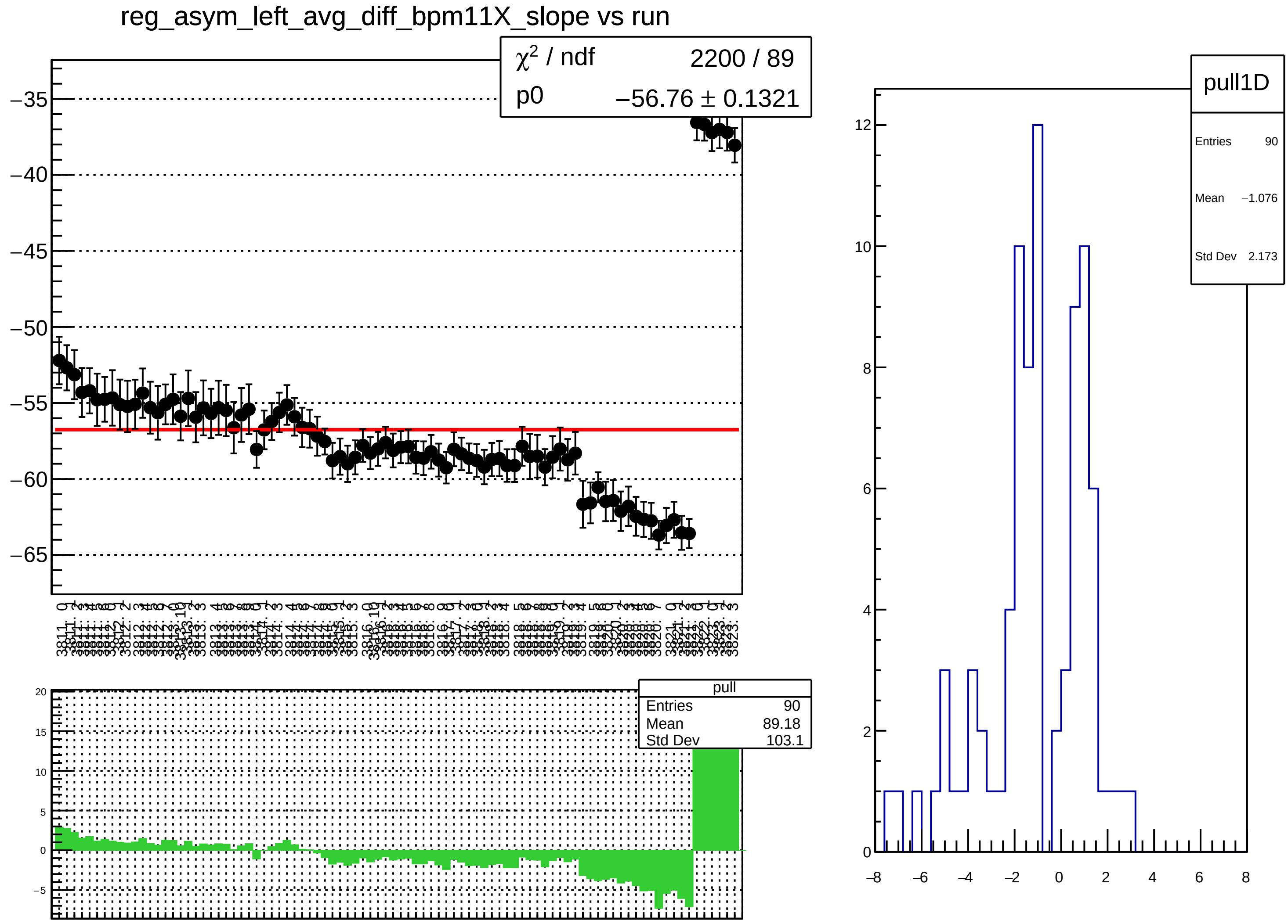


reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2786 / 89
p0 9.325 ± 0.3197
pull
Entries 90
Mean −8.365
Std Dev 57.68
pull1D
Entries 90
Mean −2.361
Std Dev 1.434

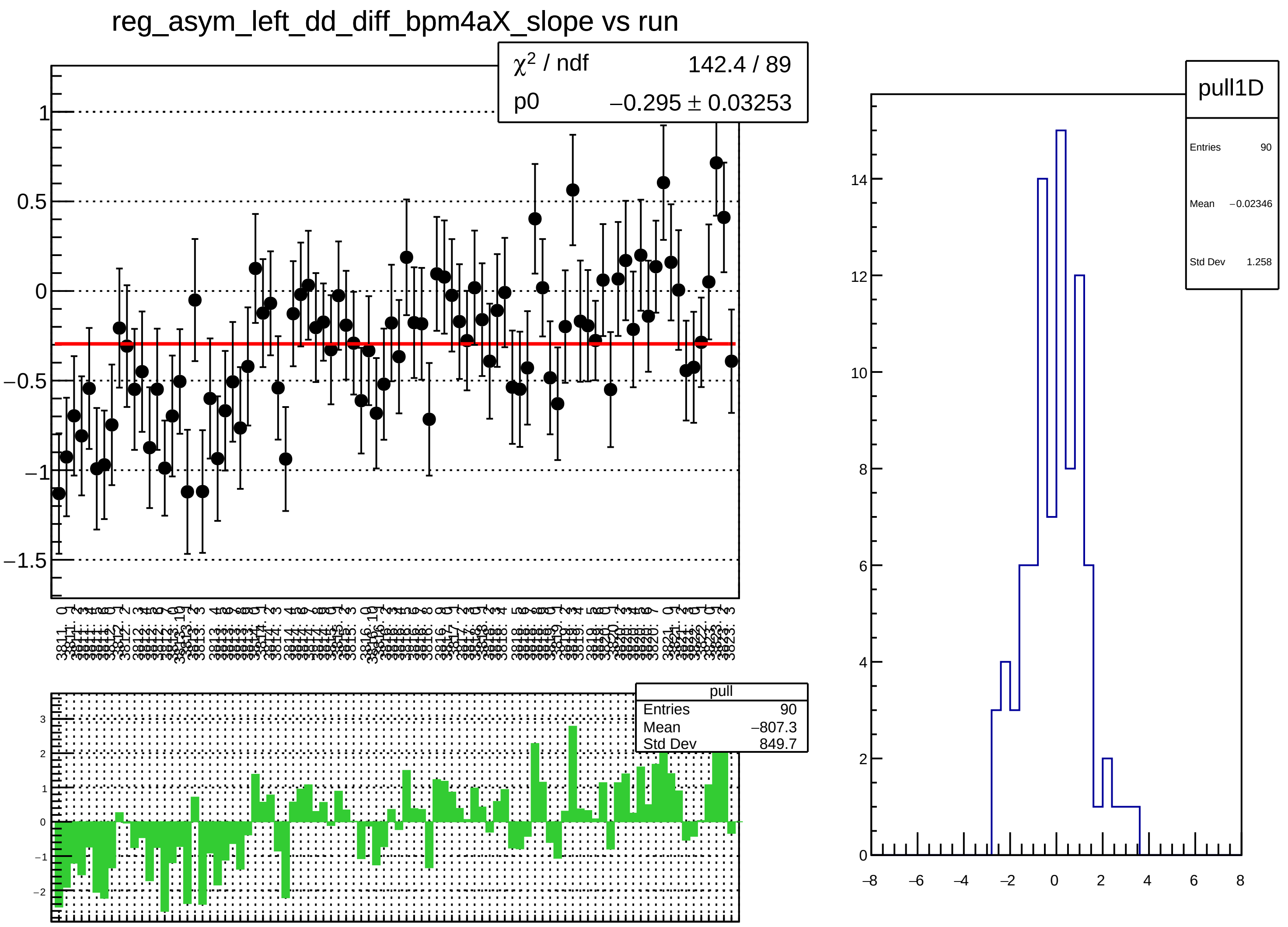


reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 4077 / 89
p0 −54.19 ± 0.0932
pull
Entries 90
Mean 7.121
Std Dev 53.2
pull1D
Entries 90
Mean −1.846
Std Dev 3.981

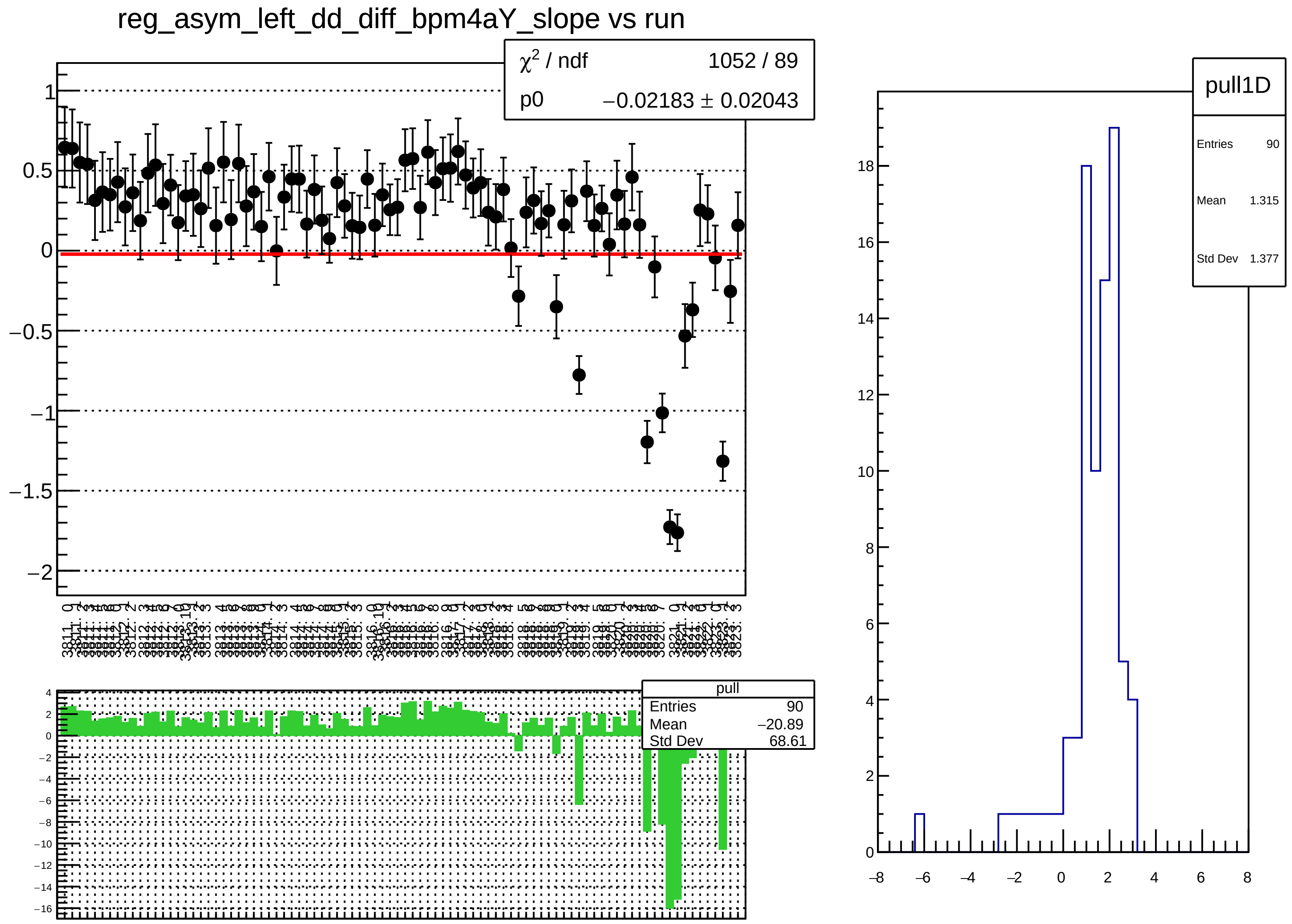

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3909 / 89
p0 −1.847 ± 0.4996
pull
Entries 90
Mean −4.151
Std Dev 53.59
pull1D
Entries 90
Mean 2.922
Std Dev 1.793

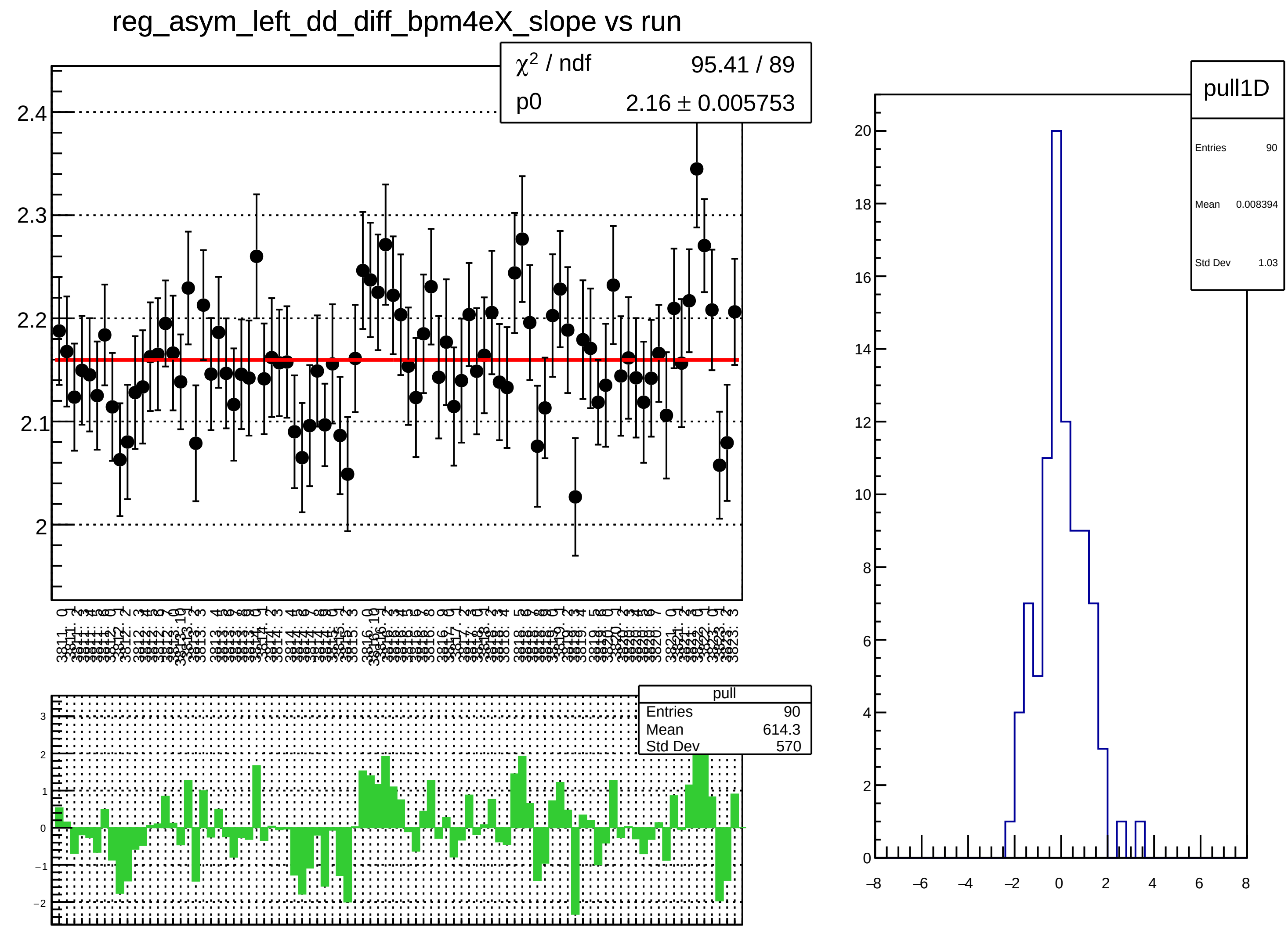


reg_asym_left_avg_diff_bpm11X_slope vs run
χ2 / ndf 2200 / 89
p0 −56.76 ± 0.1321
pull
Entries 90
Mean 89.18
Std Dev 103.1
pull1D
Entries 90
Mean −1.076
Std Dev 2.173



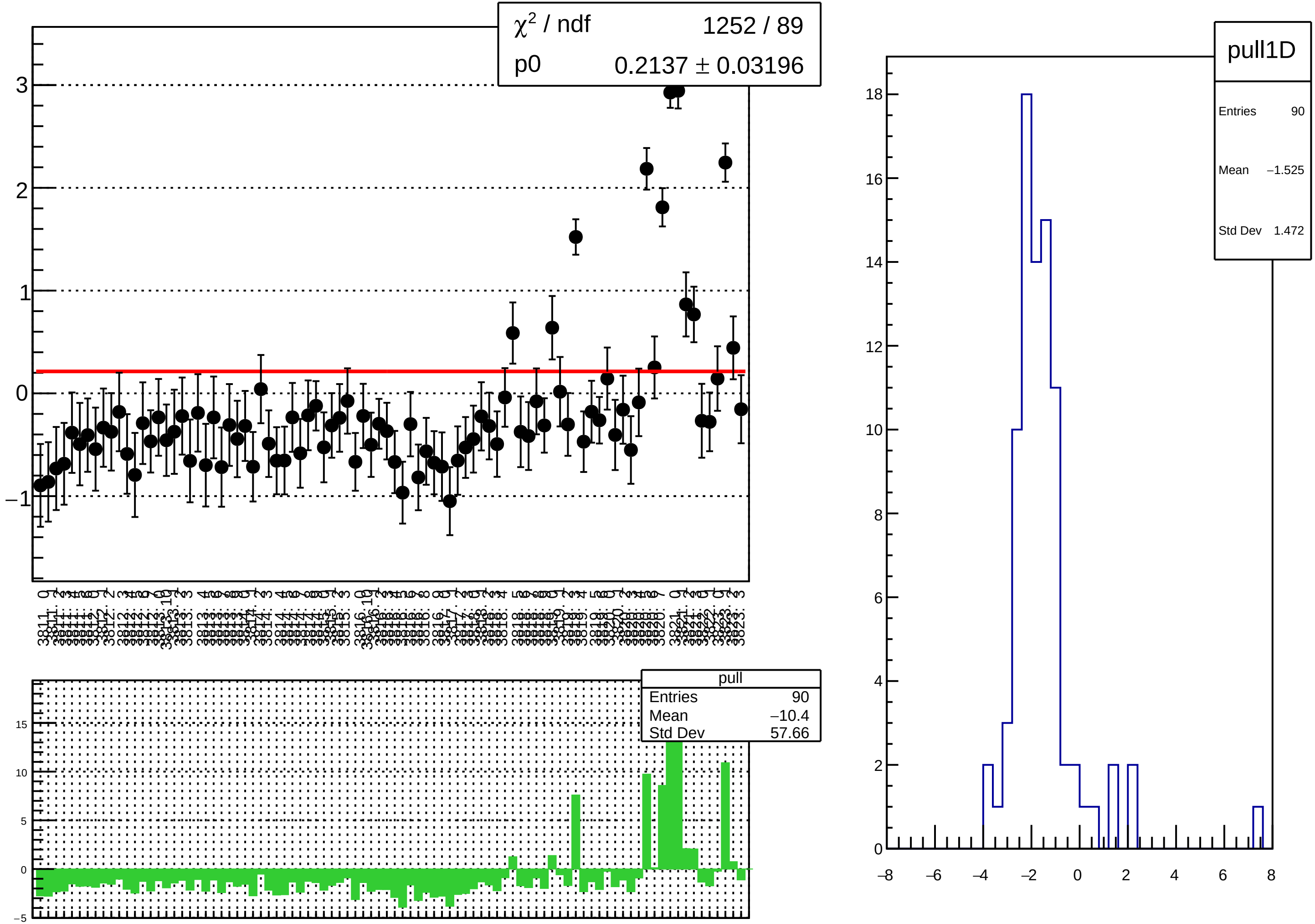
reg_asym_left_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 142.4 / 89
p0 −0.295 ± 0.03253
pull
Entries 90
Mean −807.3
Std Dev 849.7
pull1D
Entries 90
Mean −0.02346
Std Dev 1.258

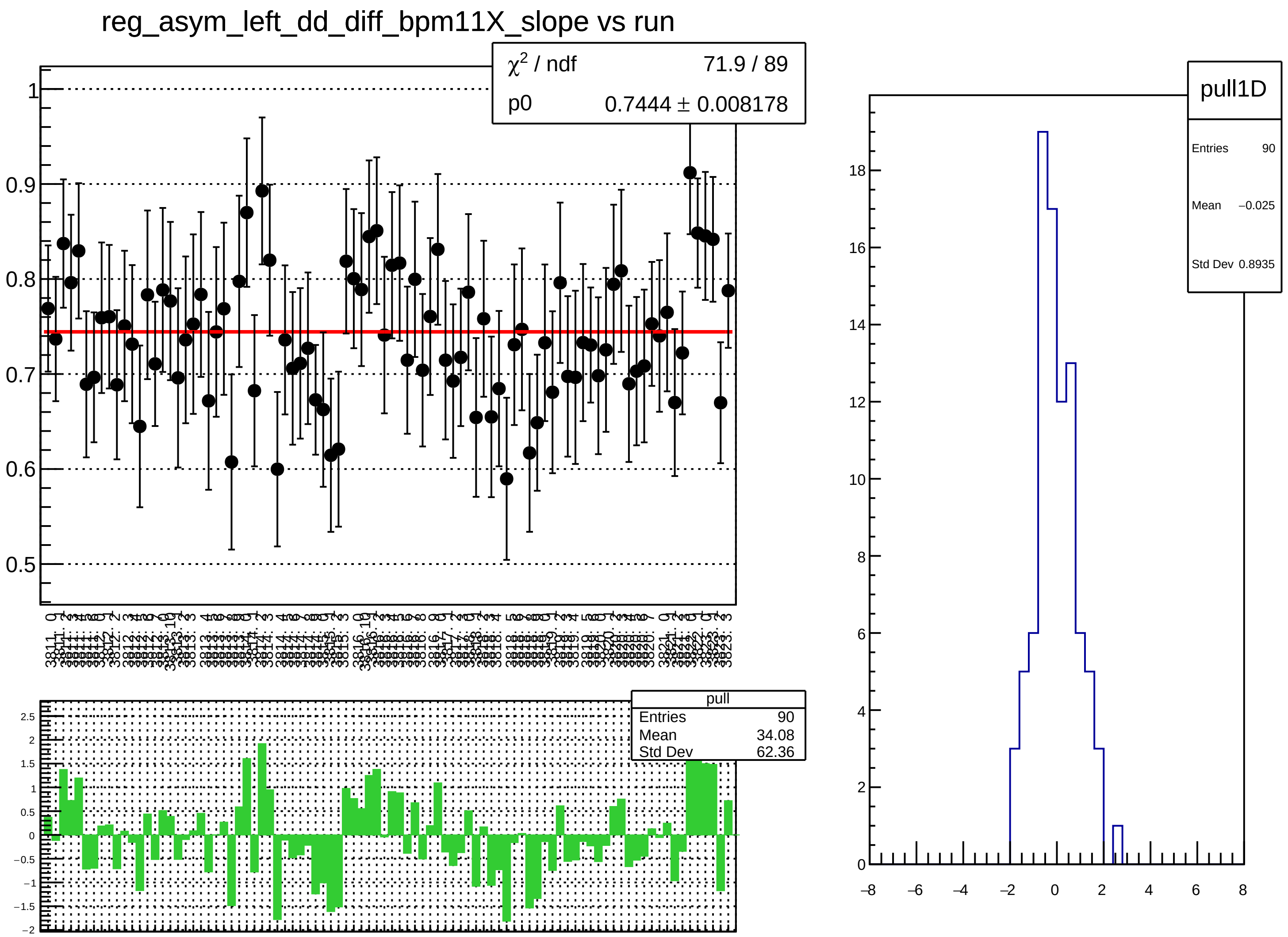

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1052 / 89
p0 −0.02183 ± 0.02043
pull
Entries 90
Mean −20.89
Std Dev 68.61
pull1D
Entries 90
Mean 1.315
Std Dev 1.377

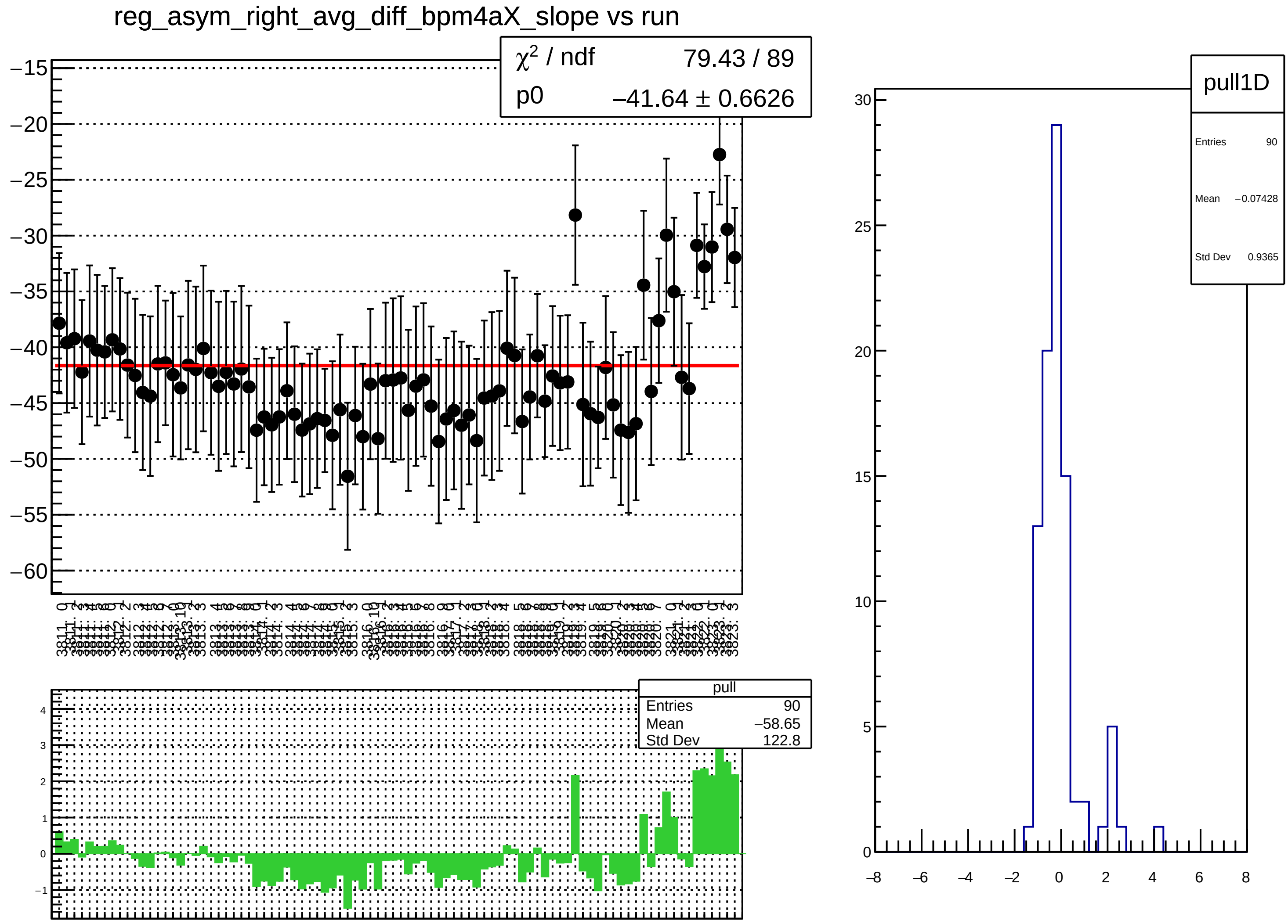


reg_asym_left_dd_diff_bpm4eX_slope vs run
χ2 / ndf 95.41 / 89
p0 2.16 ± 0.005753
pull
Entries 90
Mean 614.3
Std Dev 570
pull1D
Entries 90
Mean 0.008394
Std Dev 1.03

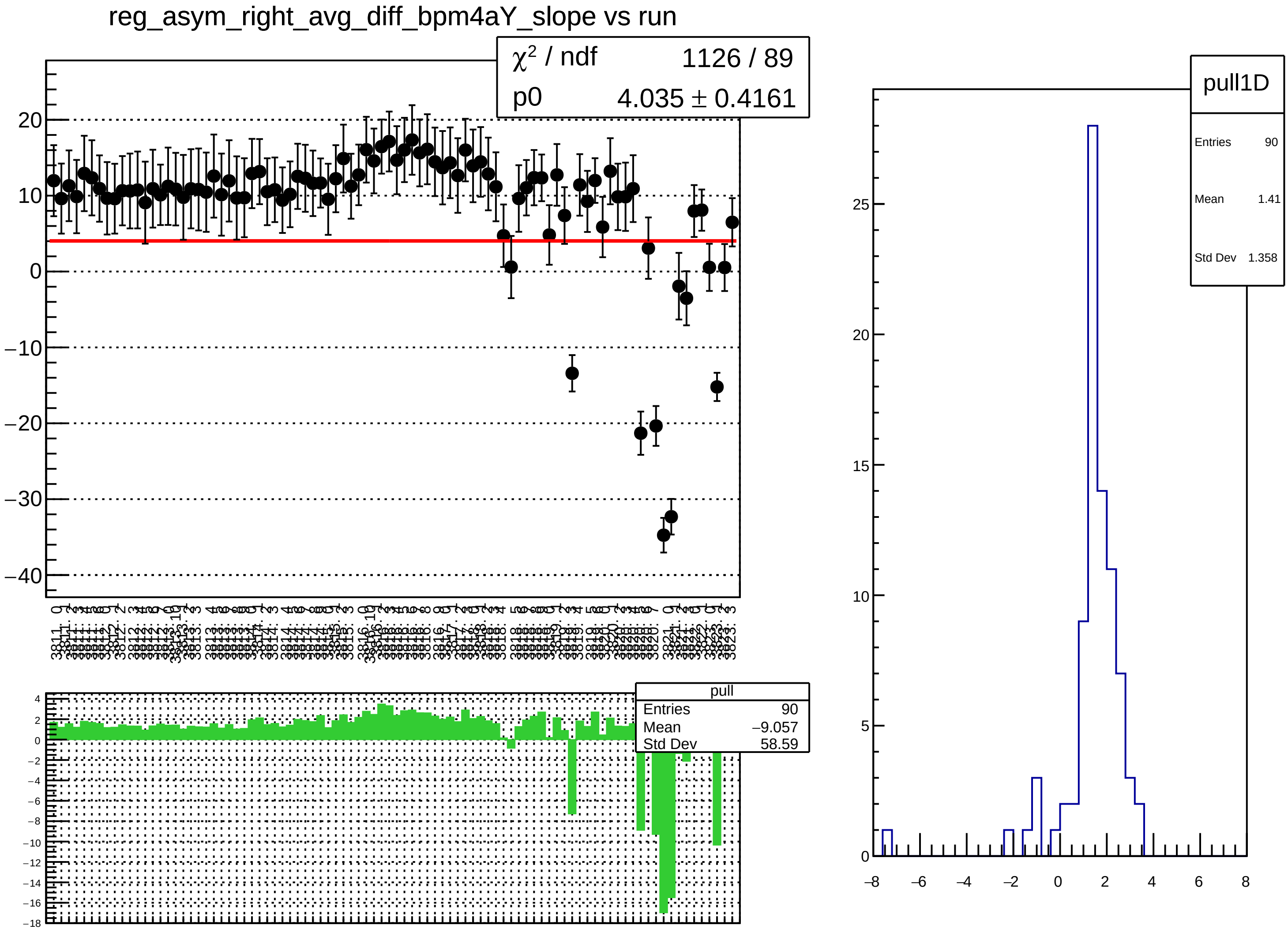
reg_asym_left_dd_diff_bpm4eY_slope vs run



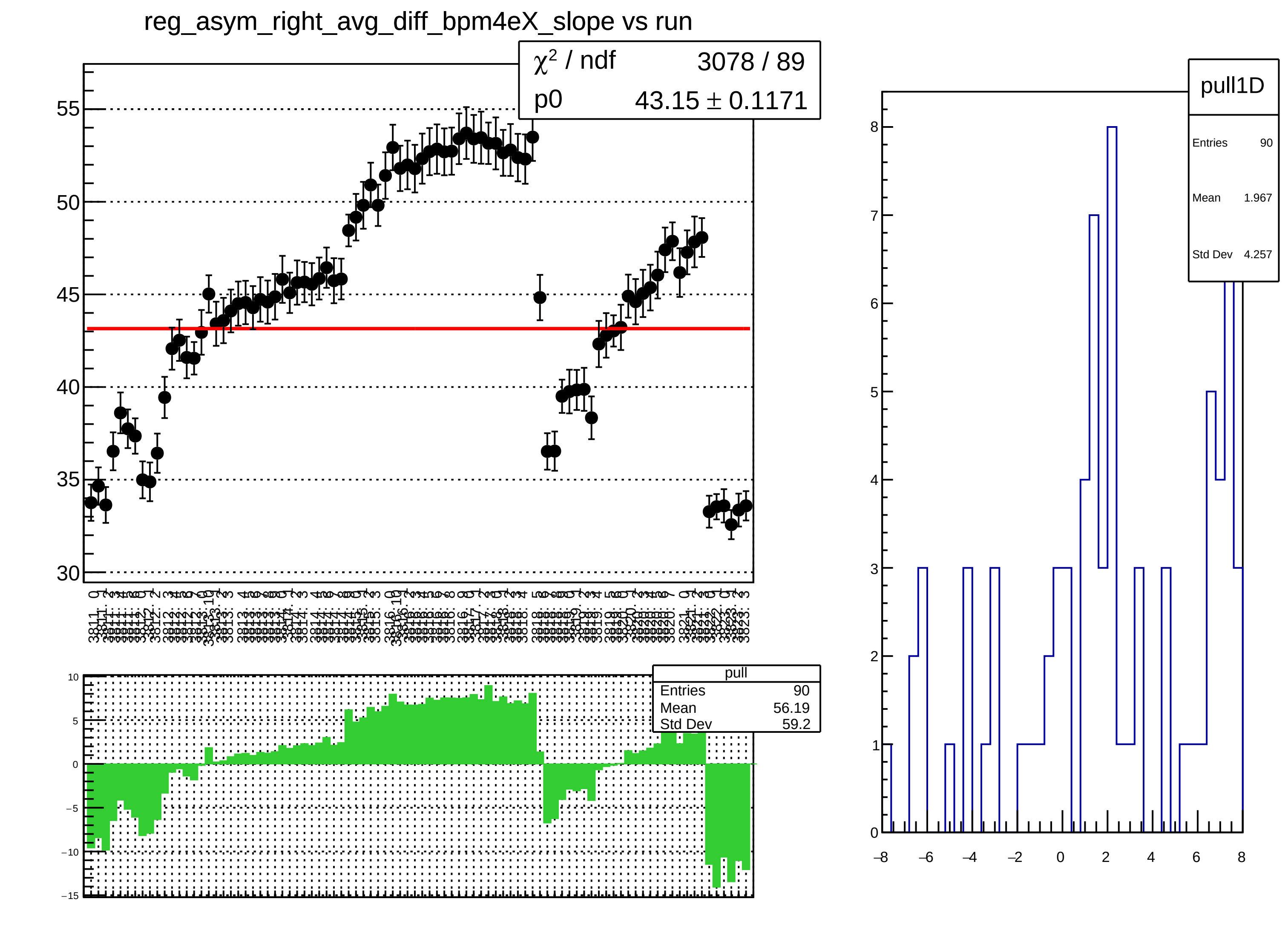

reg_asym_left_dd_diff_bpm11X_slope vs run
χ2 / ndf 71.9 / 89
p0 0.7444 ± 0.008178
1
0.9
0.8
0.7
0.6
0.5
pull
Entries 90
Mean 34.08
Std Dev 62.36
pull1D
Entries 90
Mean −0.025
Std Dev 0.8935

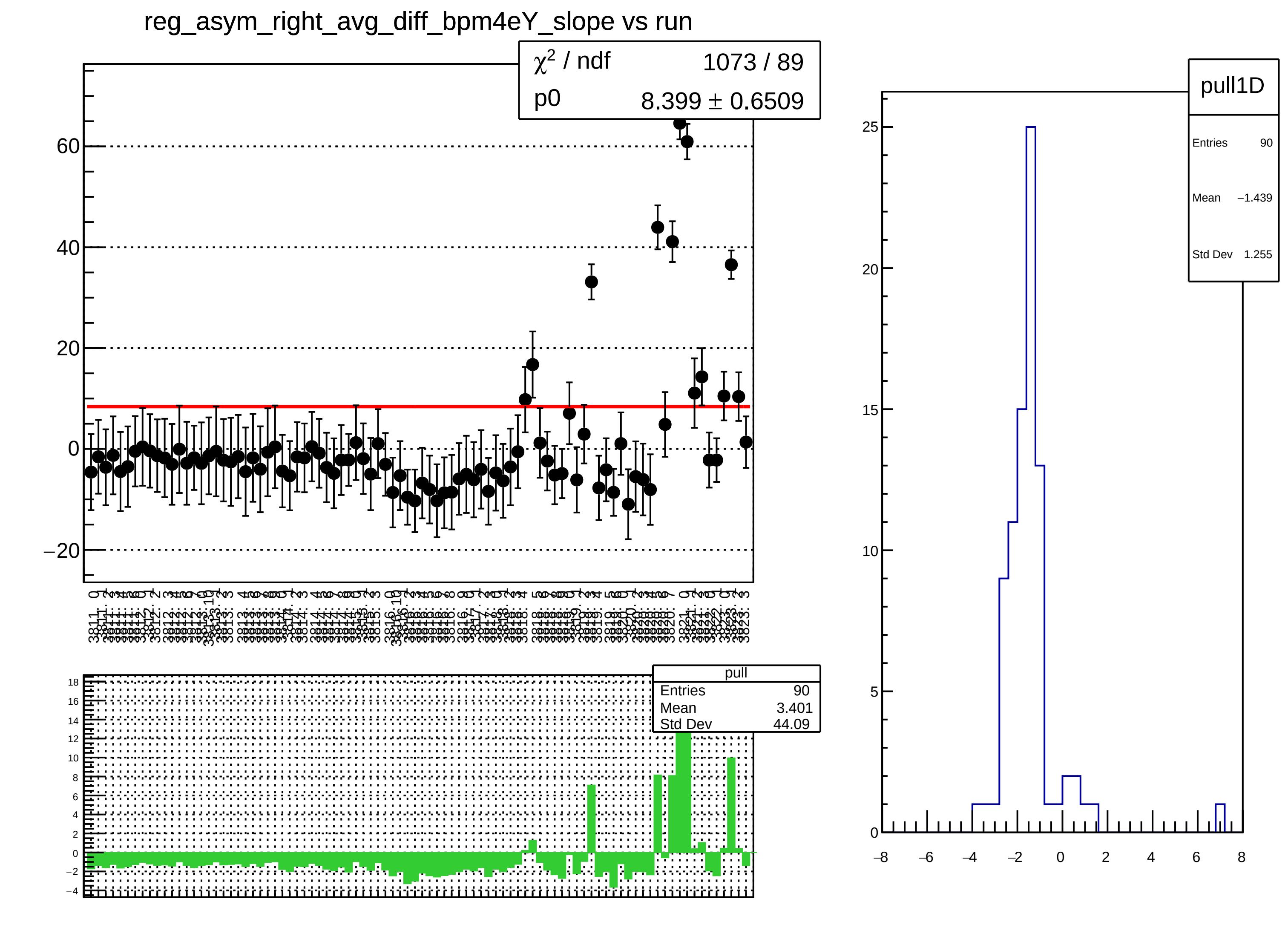


reg_asym_right_avg_diff_bpm4aX_slope vs run
χ2 / ndf 79.43 / 89
p0 −41.64 ± 0.6626
pull
Entries 90
Mean −58.65
Std Dev 122.8
pull1D
Entries 90
Mean −0.07428
Std Dev 0.9365

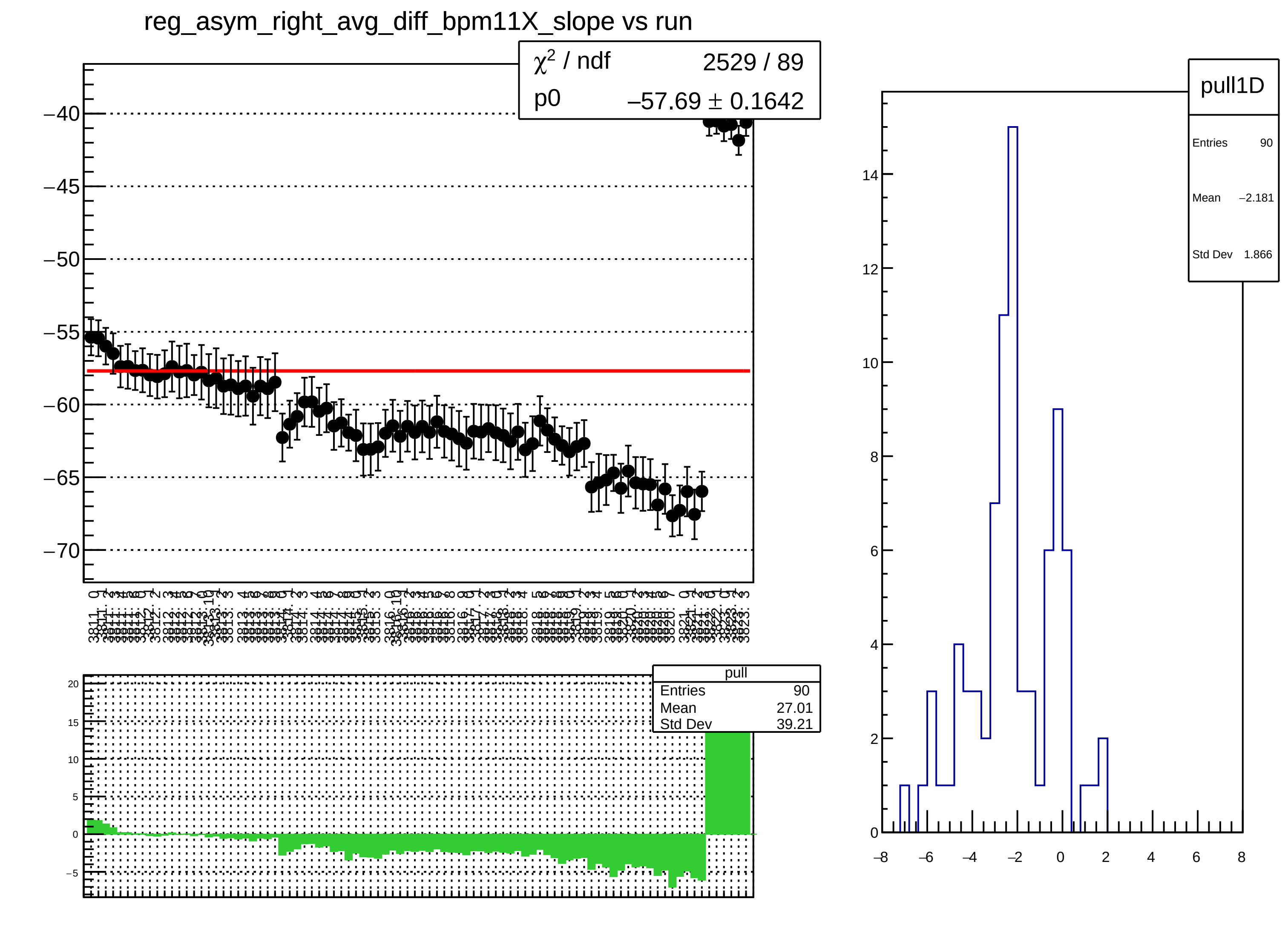


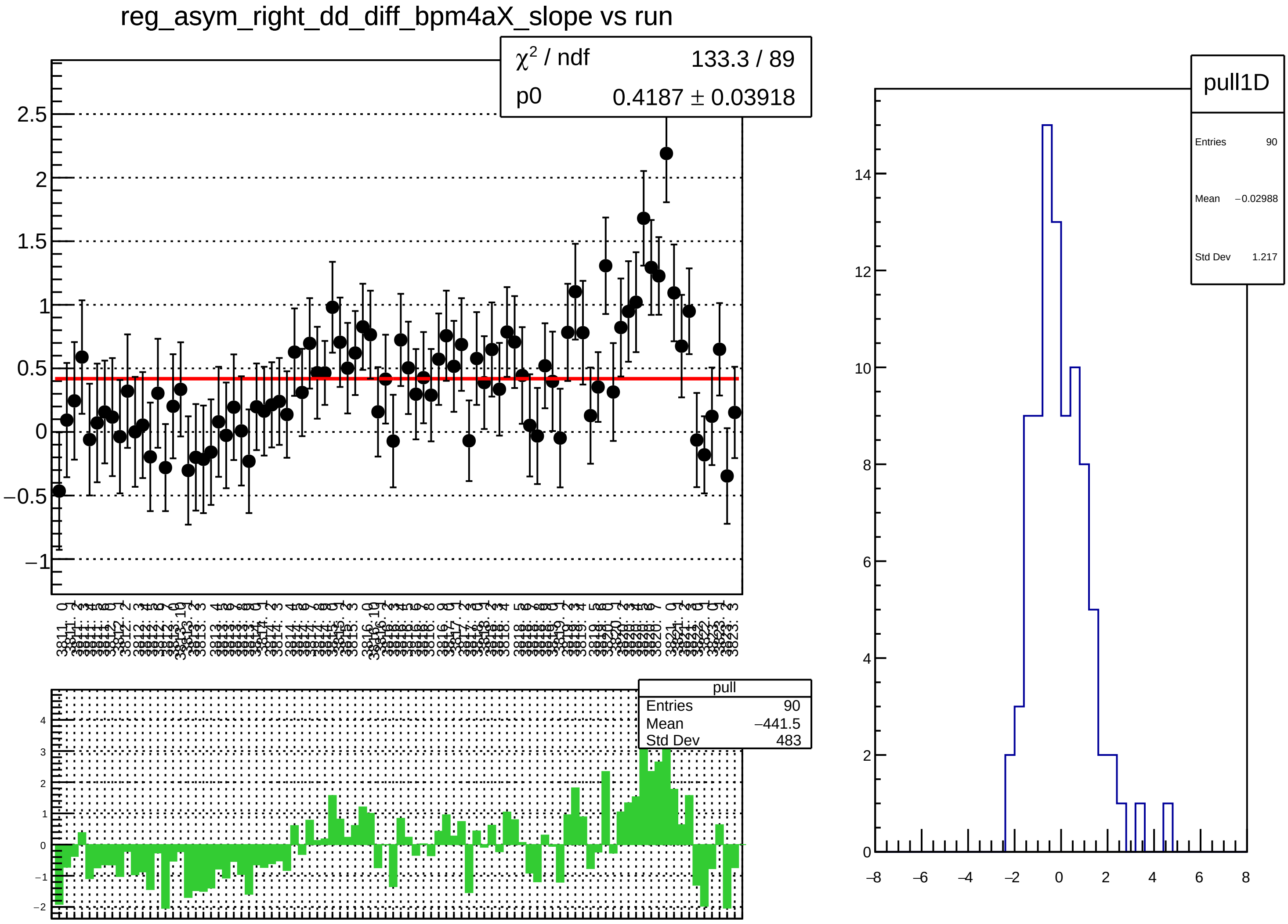
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1126 / 89
p0 4.035 ± 0.4161
pull
Entries 90
Mean −9.057
Std Dev 58.59
pull1D
Entries 90
Mean 1.41
Std Dev 1.358


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3078 / 89
p0 43.15 ± 0.1171
pull
Entries 90
Mean 56.19
Std Dev 59.2
pull1D
Entries 90
Mean 1.967
Std Dev 4.257

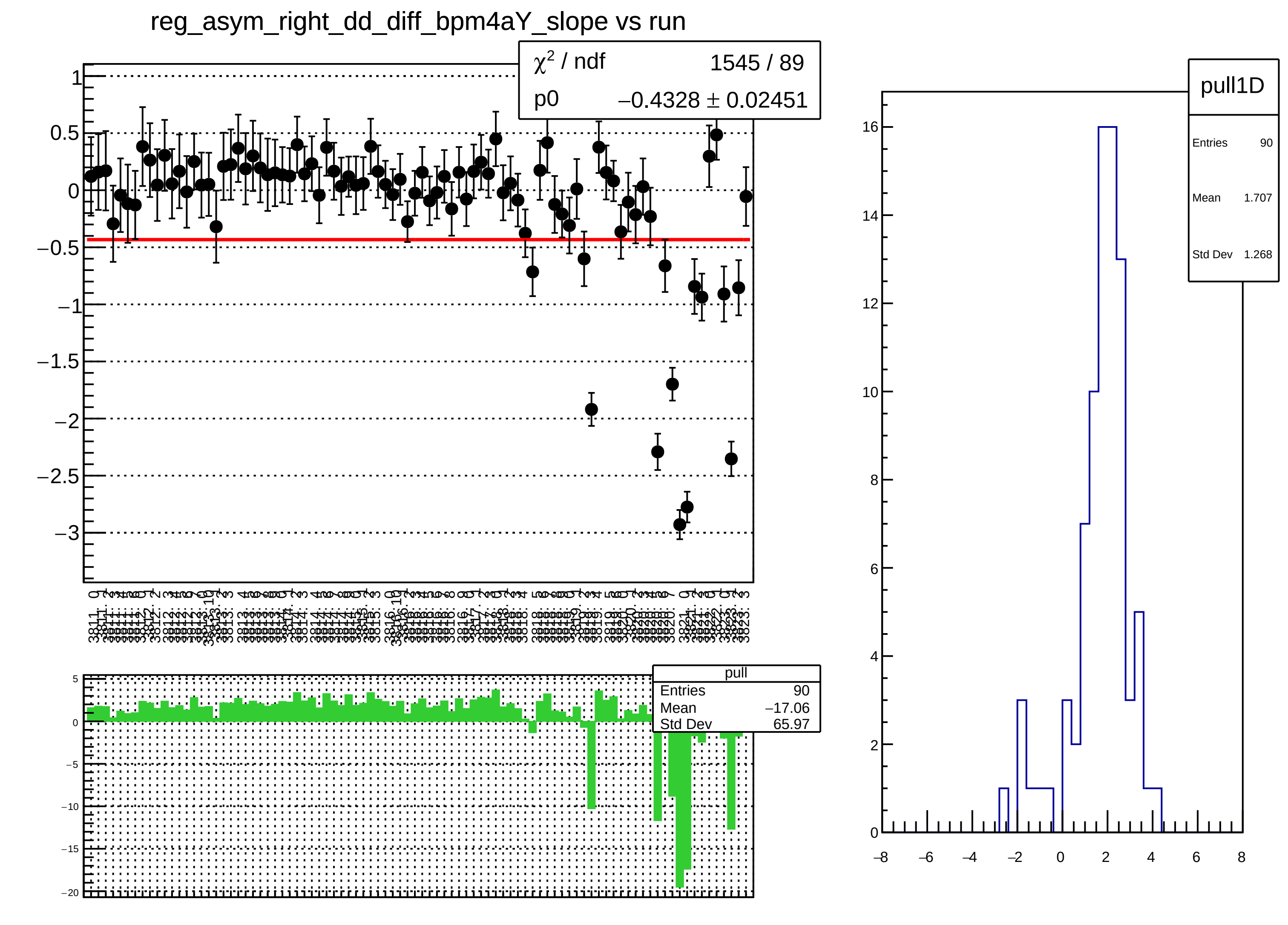


reg_asym_right_avg_diff_bpm4eY_slope vs run
χ2 / ndf 1073 / 89
p0 8.399 ± 0.6509
60
40
20
0
−20
pull
Entries 90
Mean 3.401
Std Dev 44.09
18
16
14
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 90
Mean −1.439
Std Dev 1.255
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

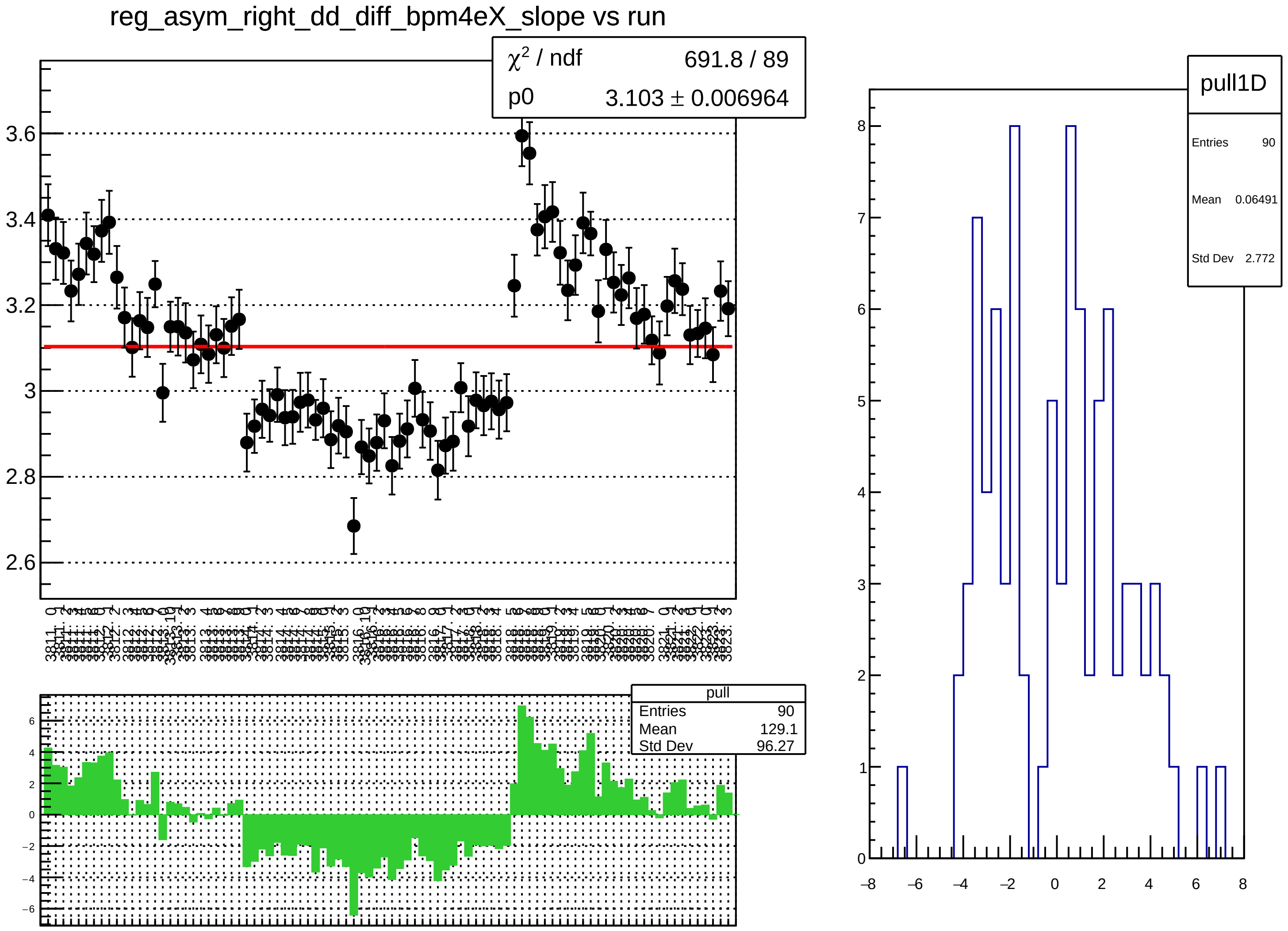

reg_asym_right_avg_diff_bpm11X_slope vs run
χ^2 / ndf 2529 / 89
p0 −57.69 ± 0.1642
pull
Entries 90
Mean 27.01
Std Dev 39.21
pull1D
Entries 90
Mean −2.181
Std Dev 1.866



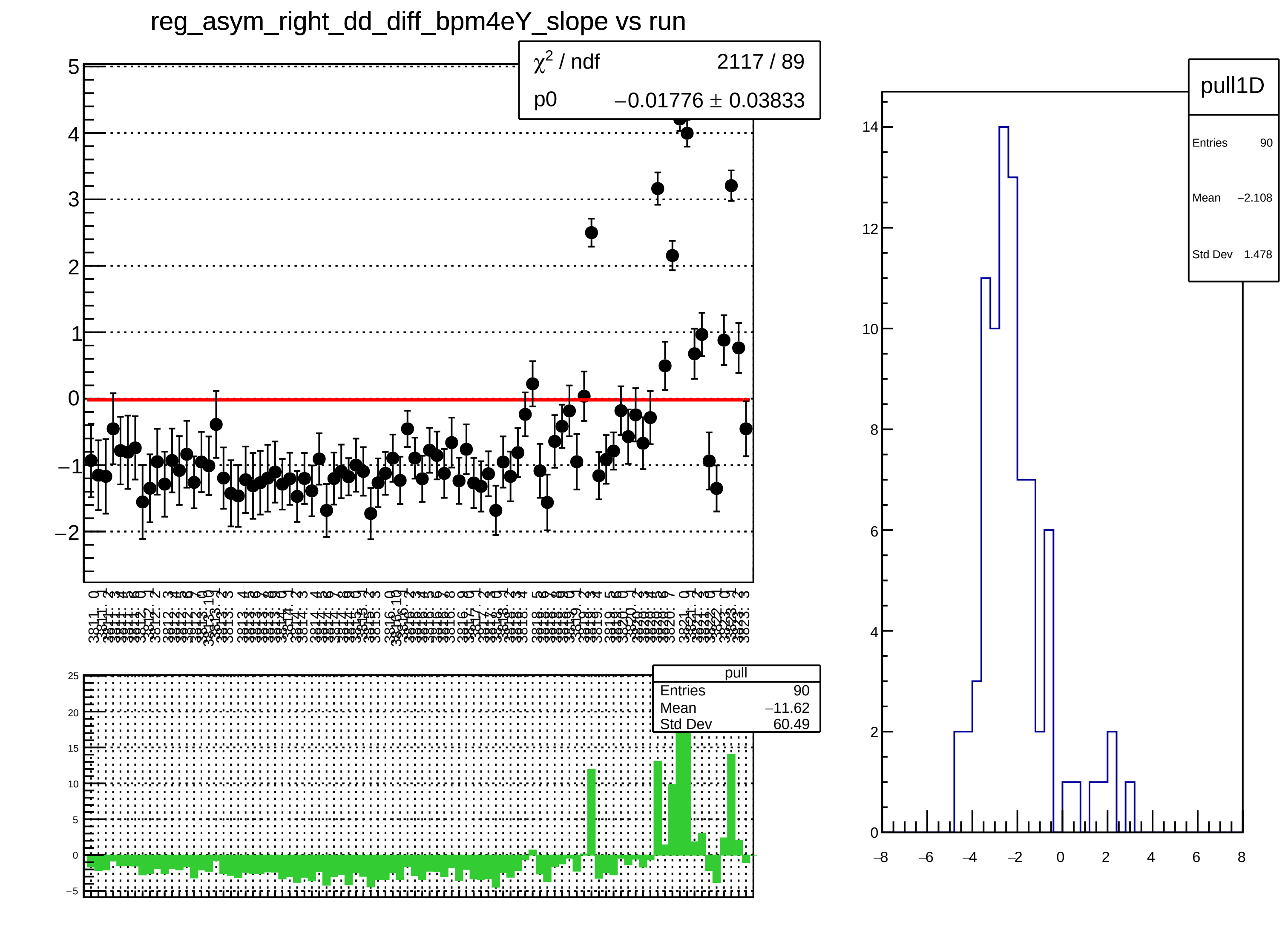
reg_asym_right_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 133.3 / 89
p0 0.4187 ± 0.03918
pull
Entries 90
Mean −441.5
Std Dev 483
pull1D
Entries 90
Mean −0.02988
Std Dev 1.217



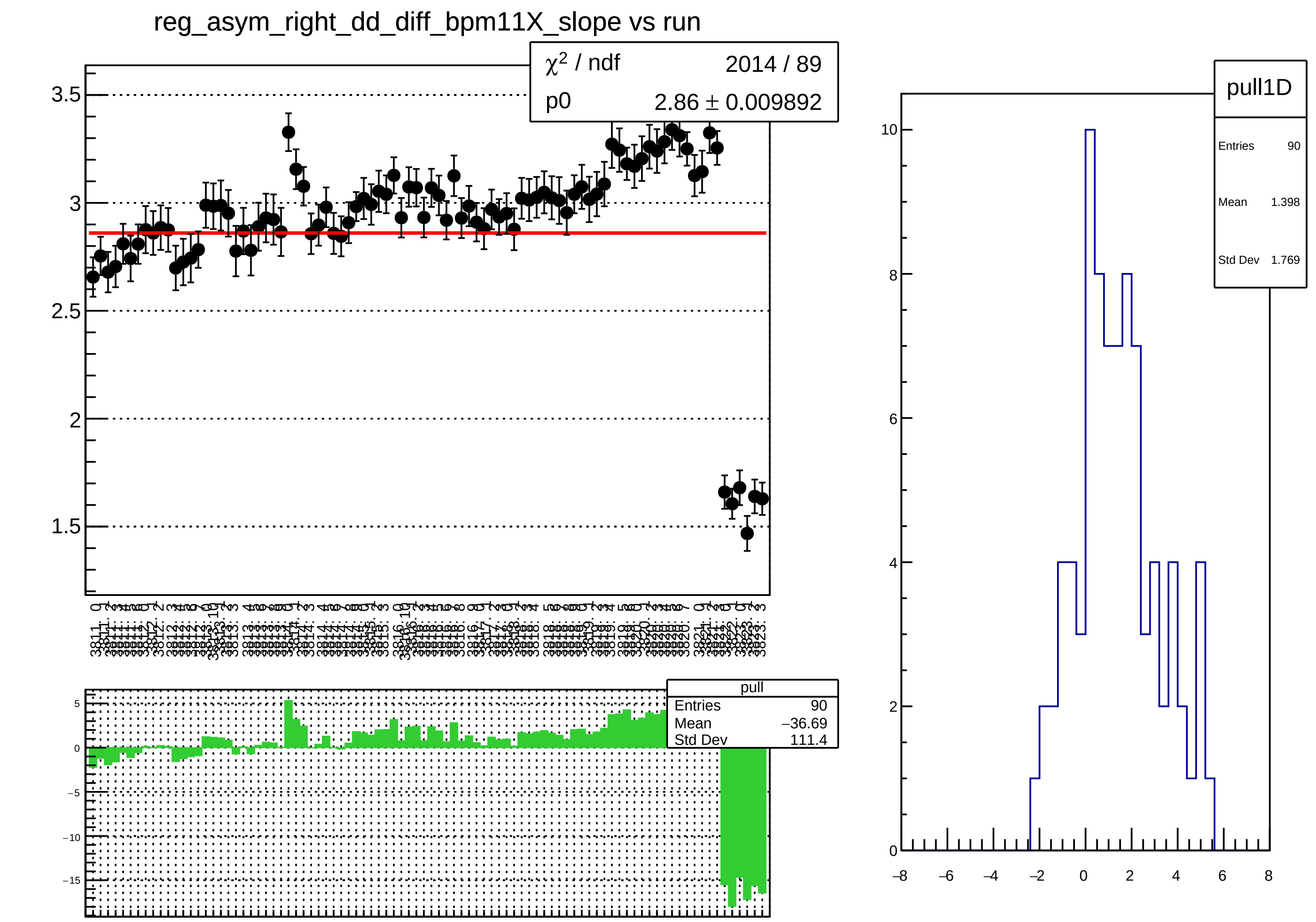
reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1545 / 89
p0 −0.4328 ± 0.02451
pull
Entries 90
Mean −17.06
Std Dev 65.97
pull1D
Entries 90
Mean 1.707
Std Dev 1.268

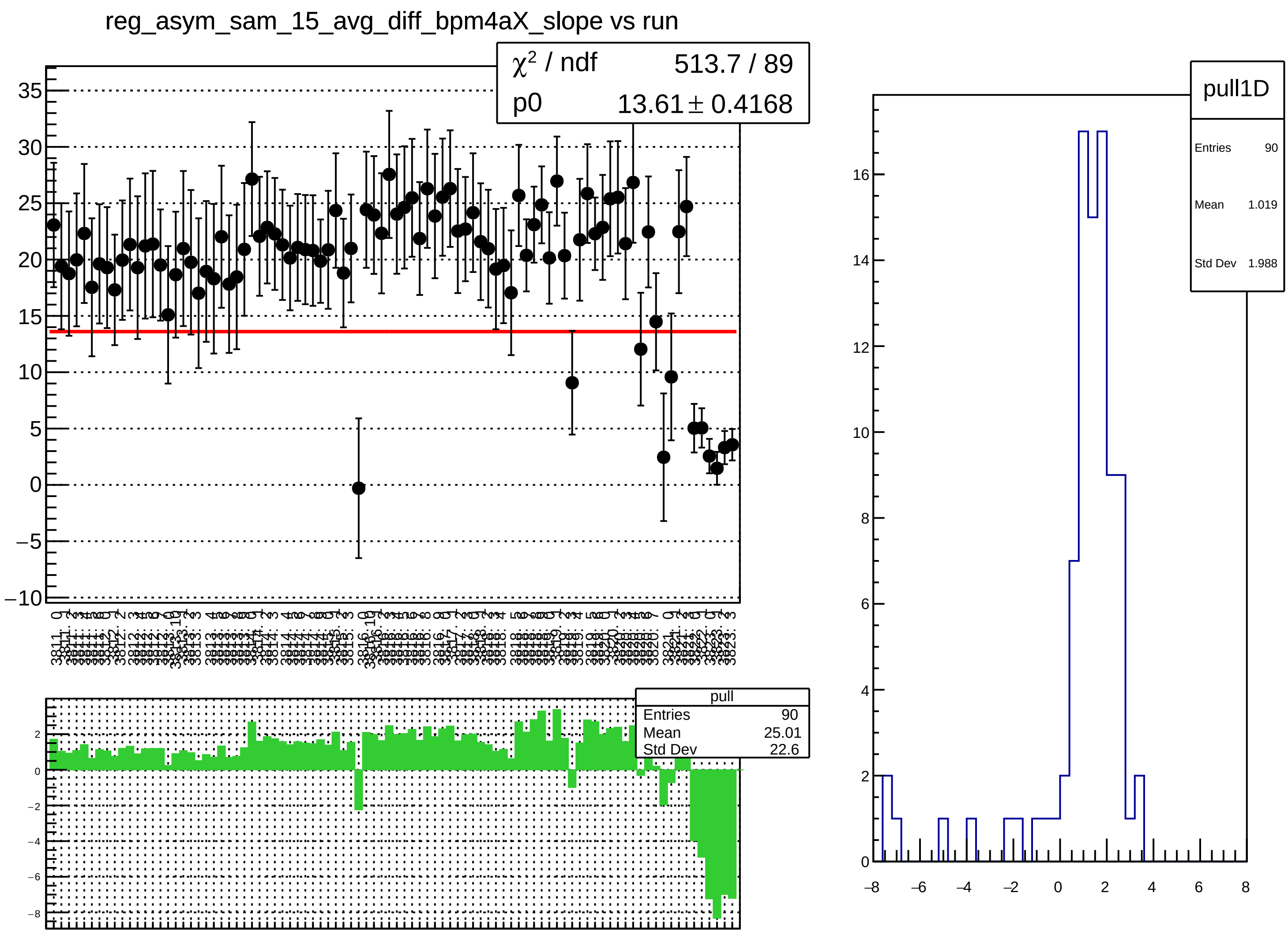


reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 691.8 / 89
p0 3.103 ± 0.006964
pull
Entries 90
Mean 129.1
Std Dev 96.27
pull1D
Entries 90
Mean 0.06491
Std Dev 2.772

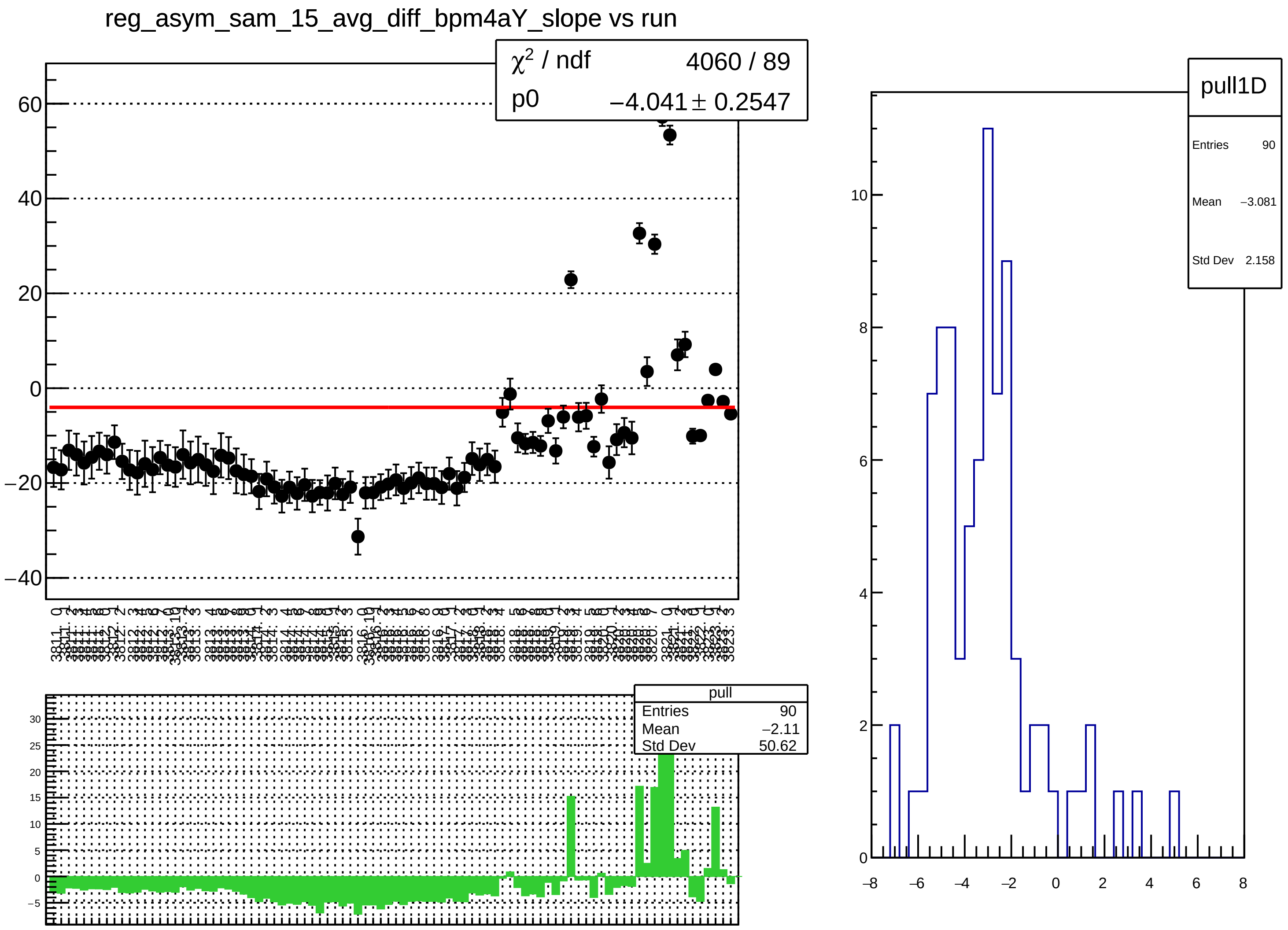


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2117 / 89
p0 −0.01776 ± 0.03833
pull
Entries 90
Mean −11.62
Std Dev 60.49
pull1D
Entries 90
Mean −2.108
Std Dev 1.478

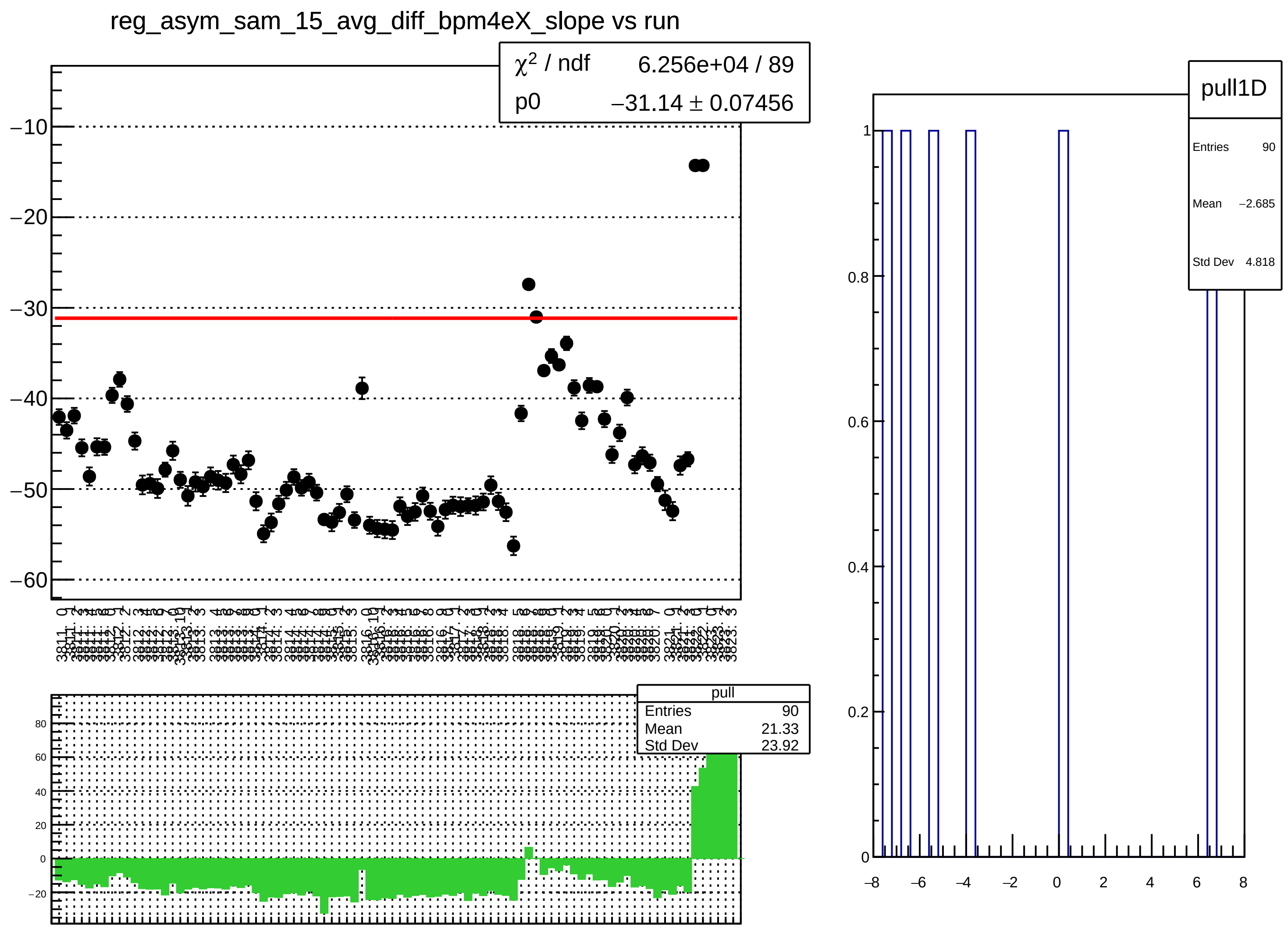

reg_asym_right_dd_diff_bpm11X_slope vs run
χ^2 / ndf 2014 / 89
p0 2.86 ± 0.009892
pull
Entries 90
Mean −36.69
Std Dev 111.4
pull1D
Entries 90
Mean 1.398
Std Dev 1.769

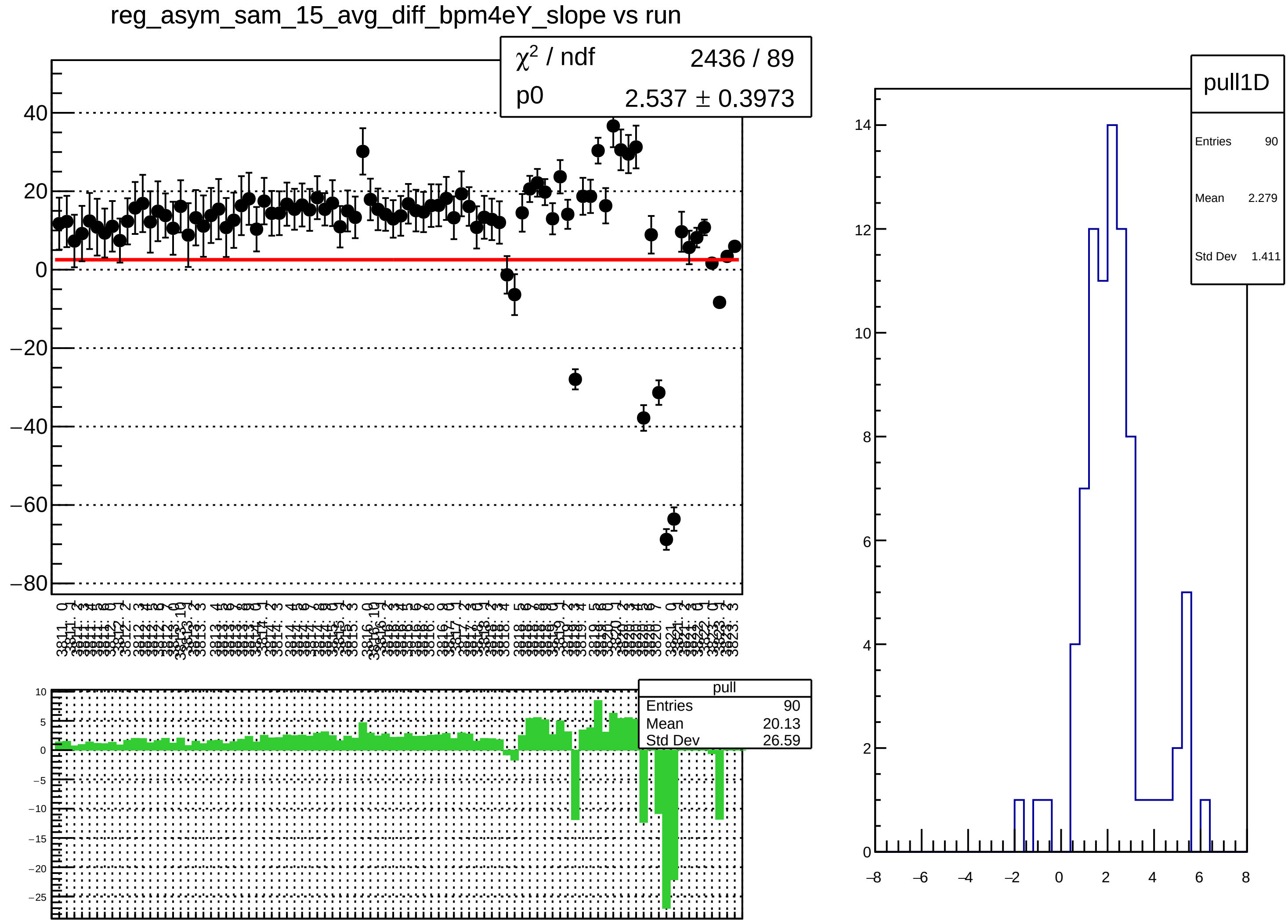


reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 513.7 / 89
p0 13.61 ± 0.4168
pull
Entries 90
Mean 25.01
Std Dev 22.6
pull1D
Entries 90
Mean 1.019
Std Dev 1.988

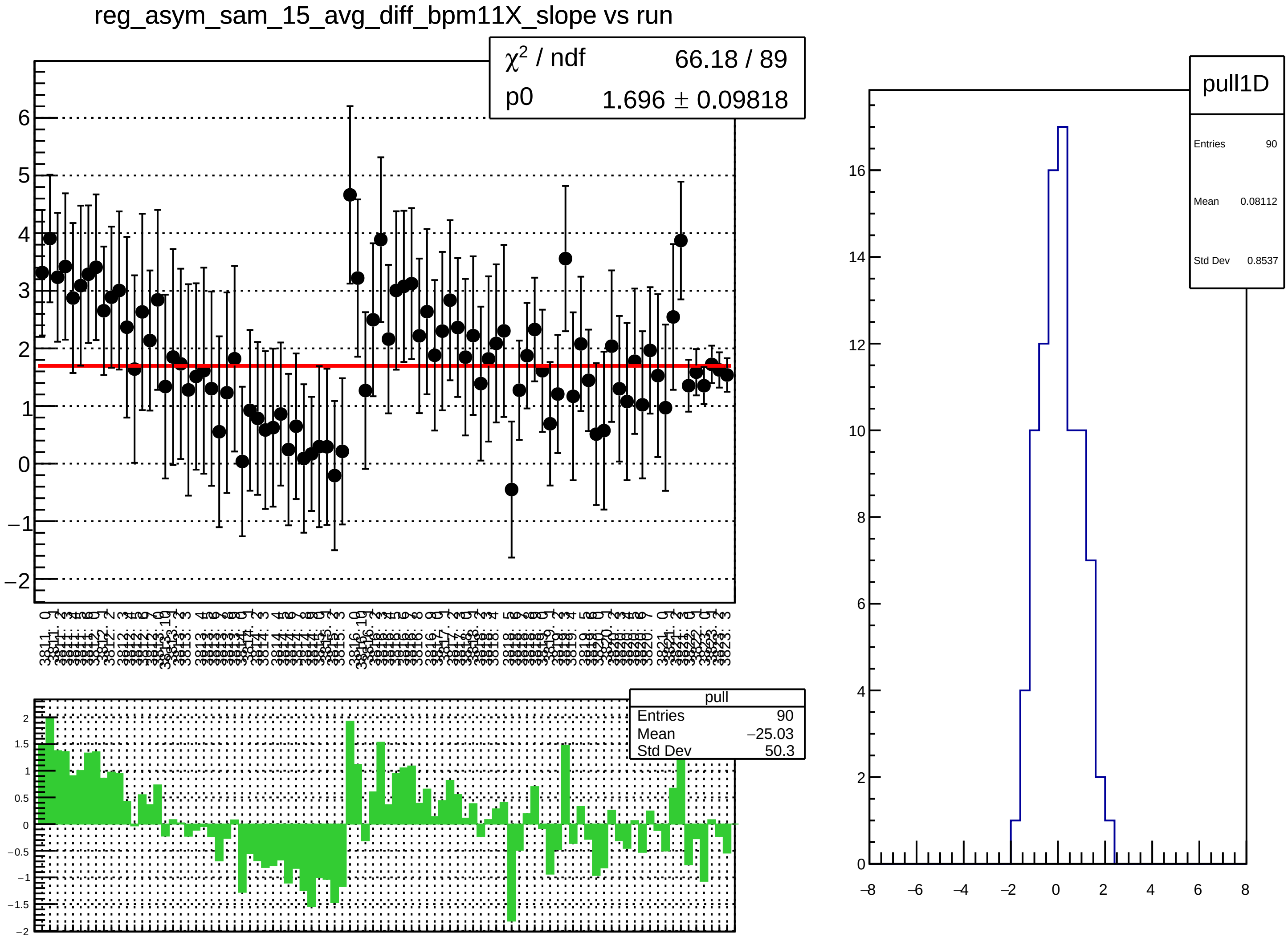


reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4060 / 89
p0 −4.041 ± 0.2547
pull
Entries 90
Mean −2.11
Std Dev 50.62
pull1D
Entries 90
Mean −3.081
Std Dev 2.158

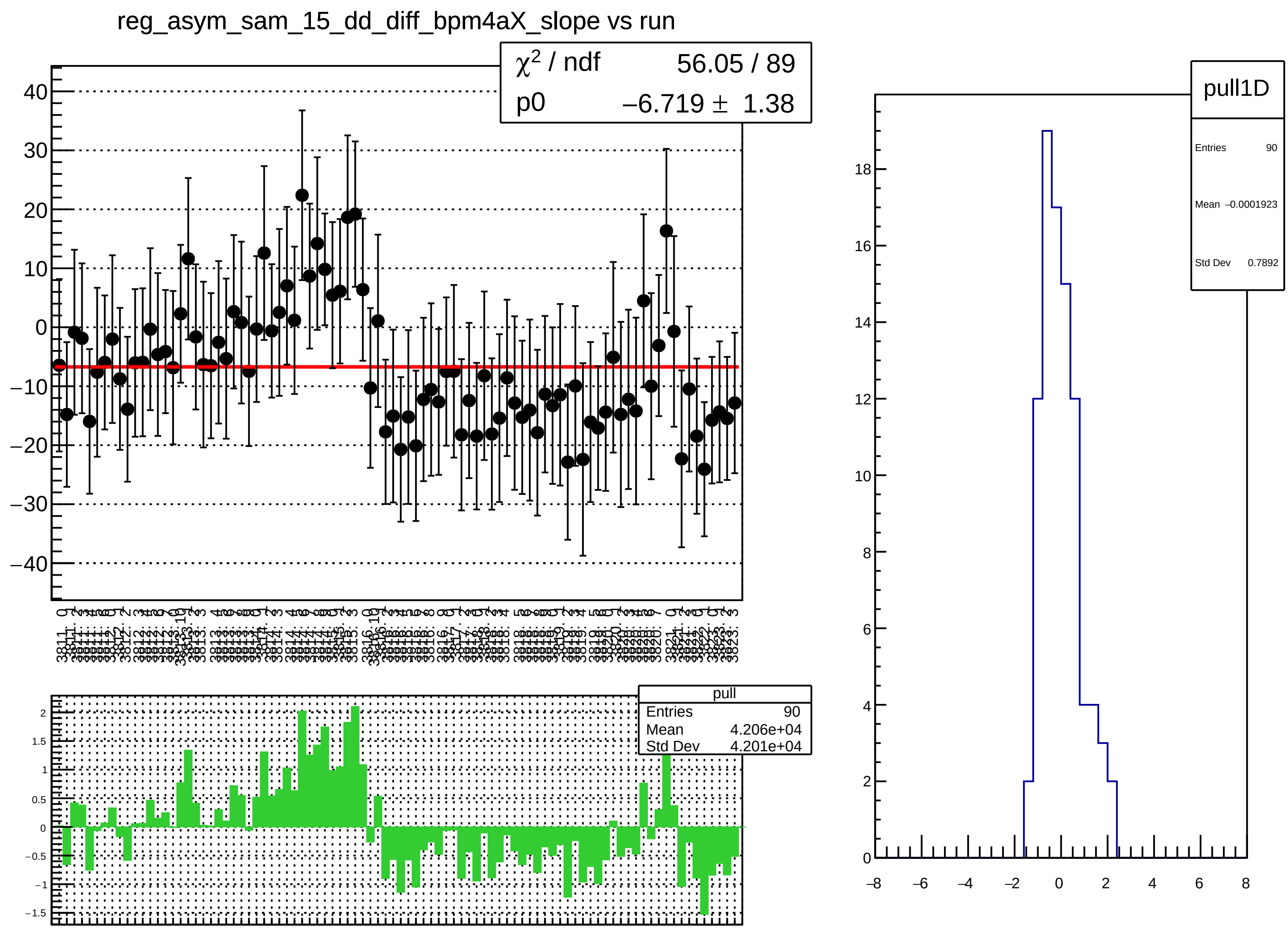

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.256e+04 / 89
p0 −31.14 ± 0.07456
pull
Entries 90
Mean 21.33
Std Dev 23.92
pull1D
Entries 90
Mean −2.685
Std Dev 4.818



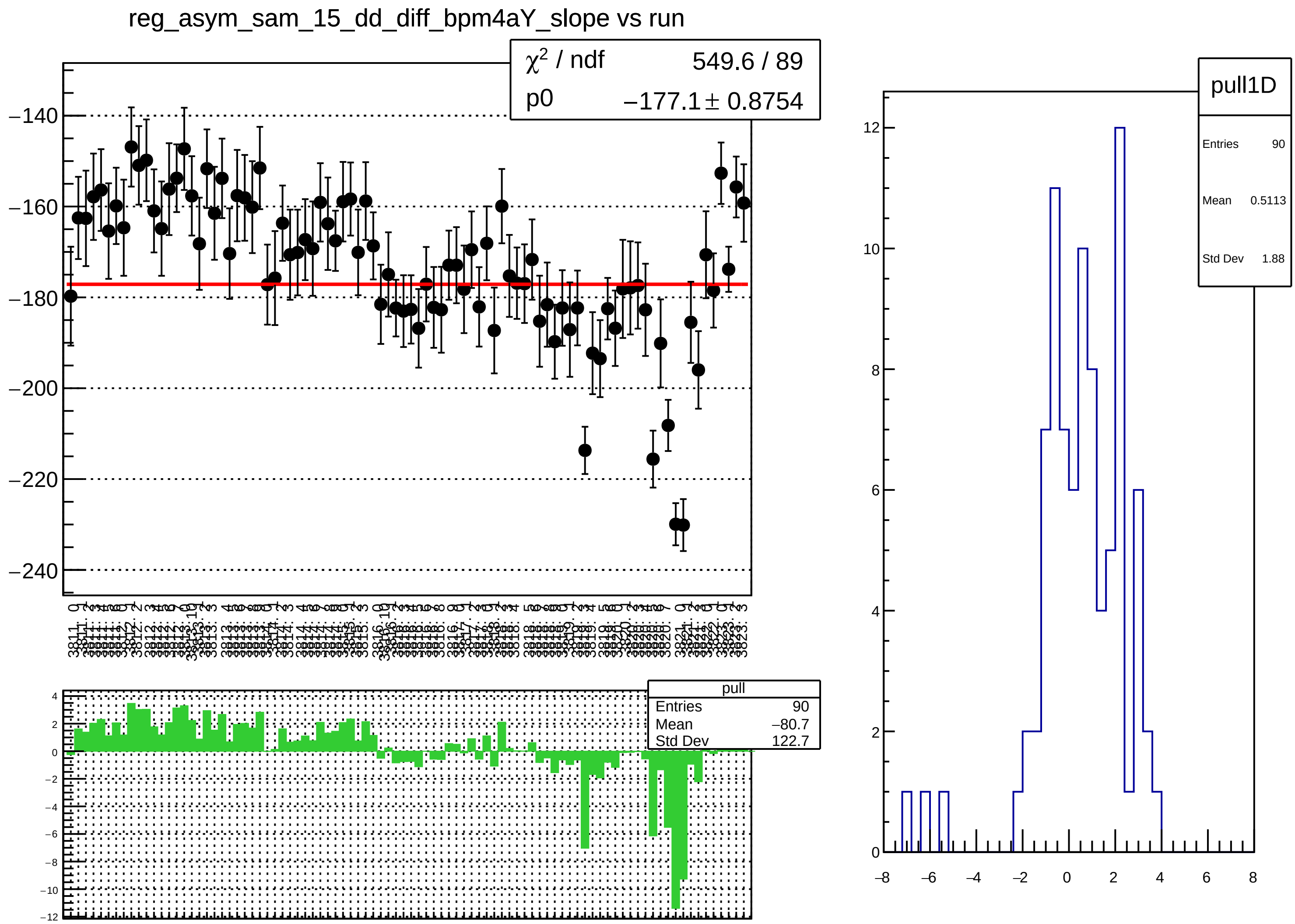
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2436 / 89
p0 2.537 ± 0.3973
pull
Entries 90
Mean 20.13
Std Dev 26.59
pull1D
Entries 90
Mean 2.279
Std Dev 1.411



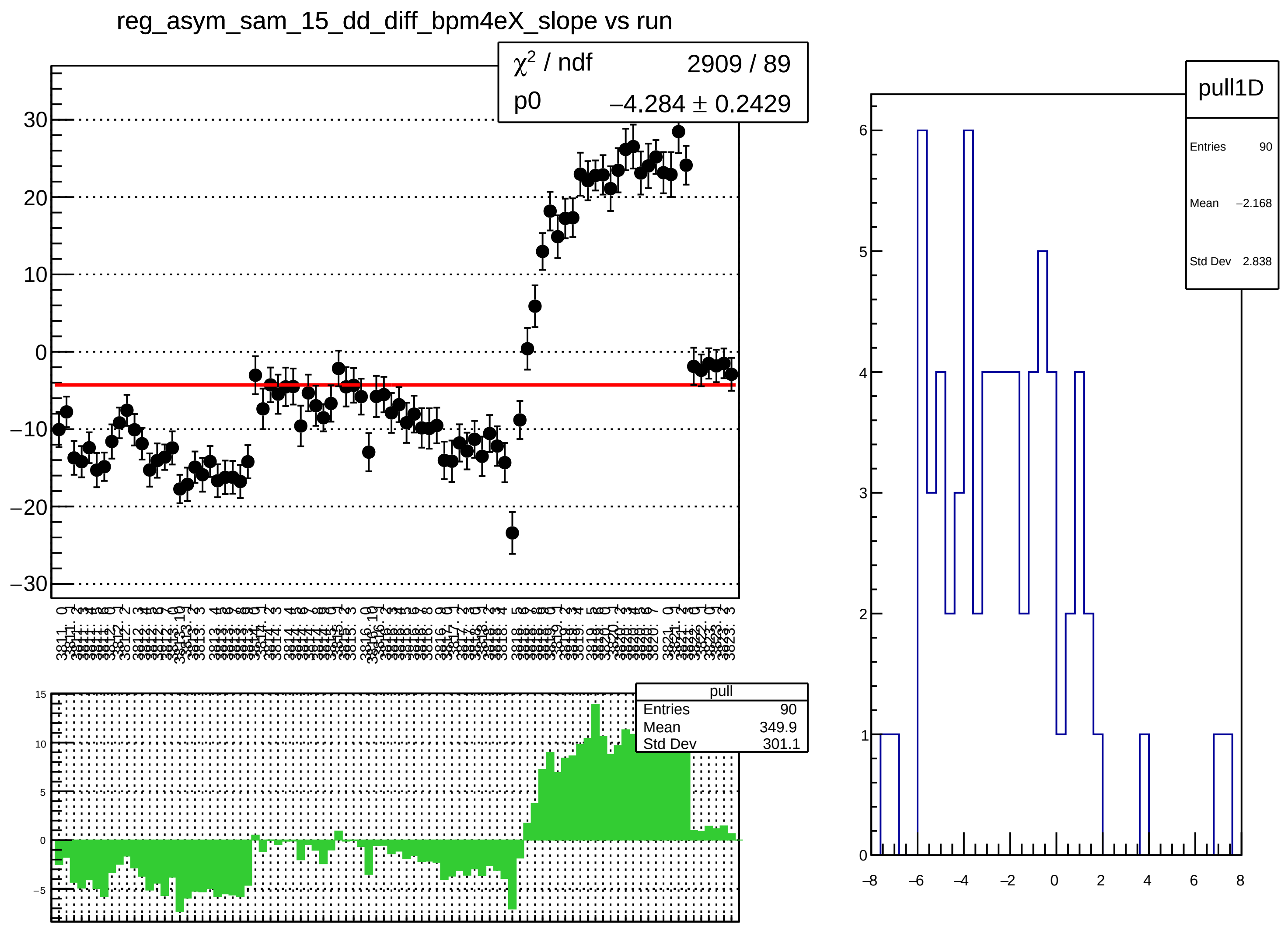
reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ^2 / ndf 66.18 / 89
p0 1.696 ± 0.09818
pull
Entries 90
Mean −25.03
Std Dev 50.3
pull1D
Entries 90
Mean 0.08112
Std Dev 0.8537



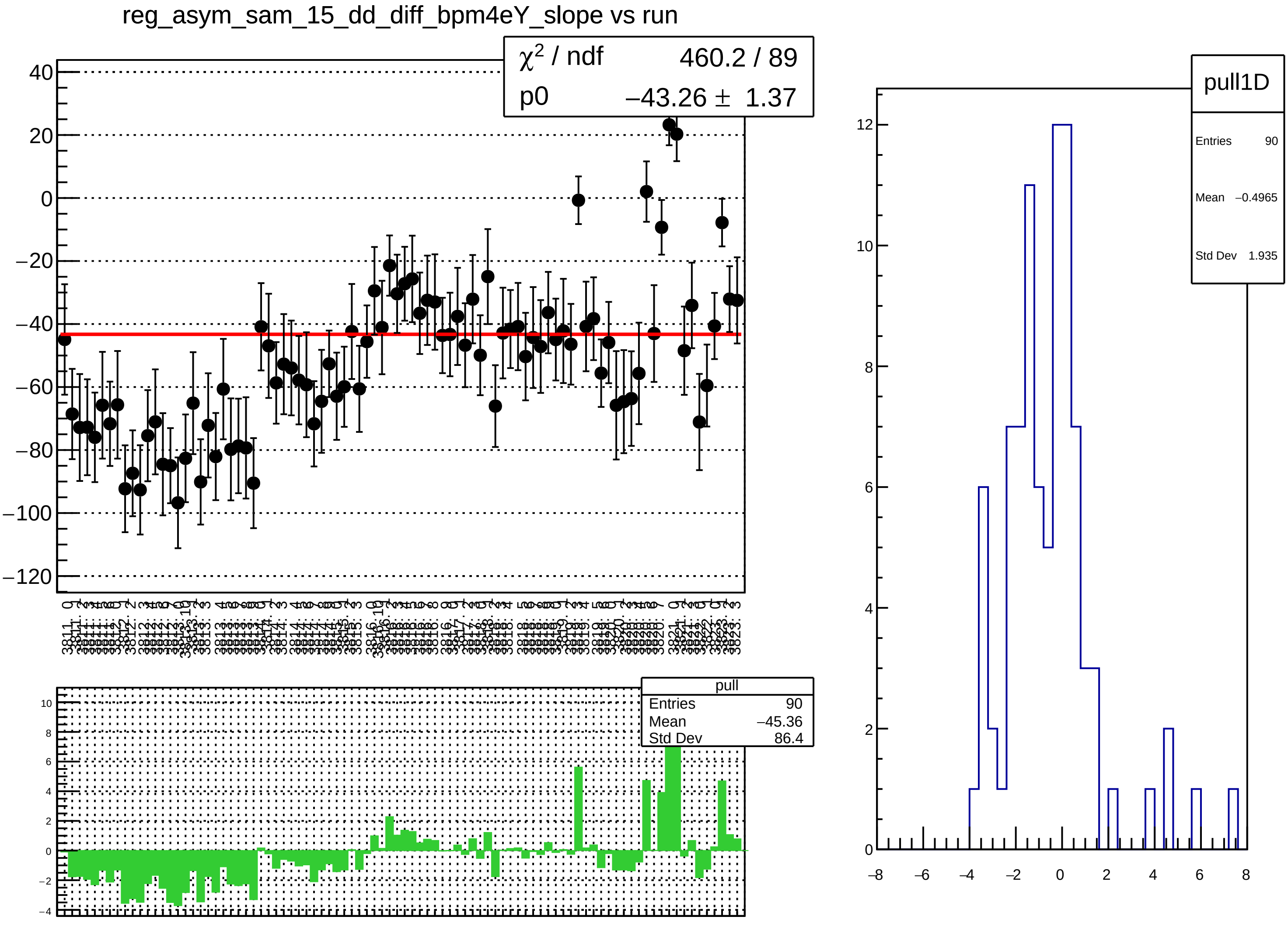
reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 56.05 / 89
p0 −6.719 ± 1.38
pull
Entries 90
Mean 4.206e+04
Std Dev 4.201e+04
pull1D
Entries 90
Mean −0.0001923
Std Dev 0.7892

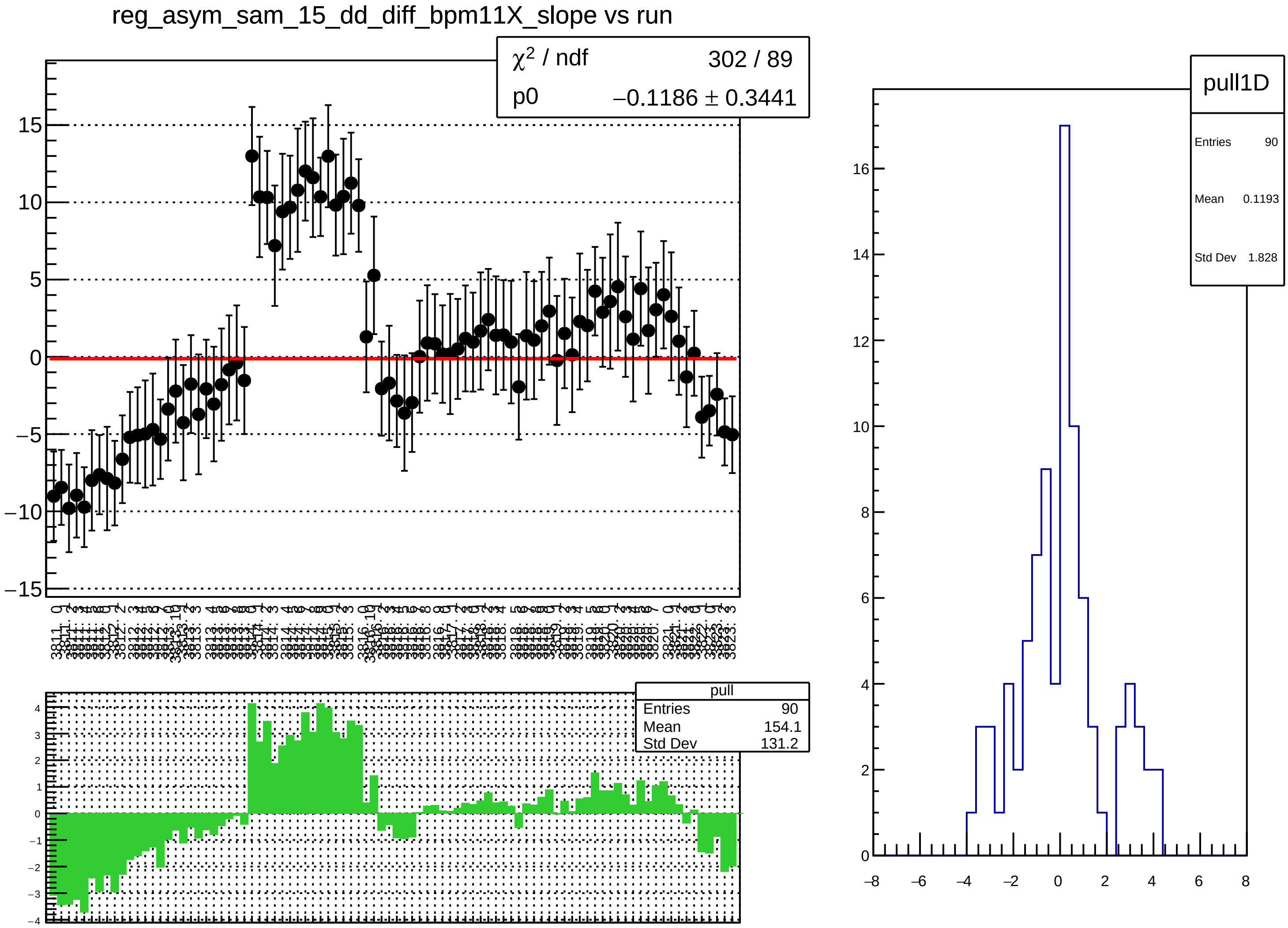


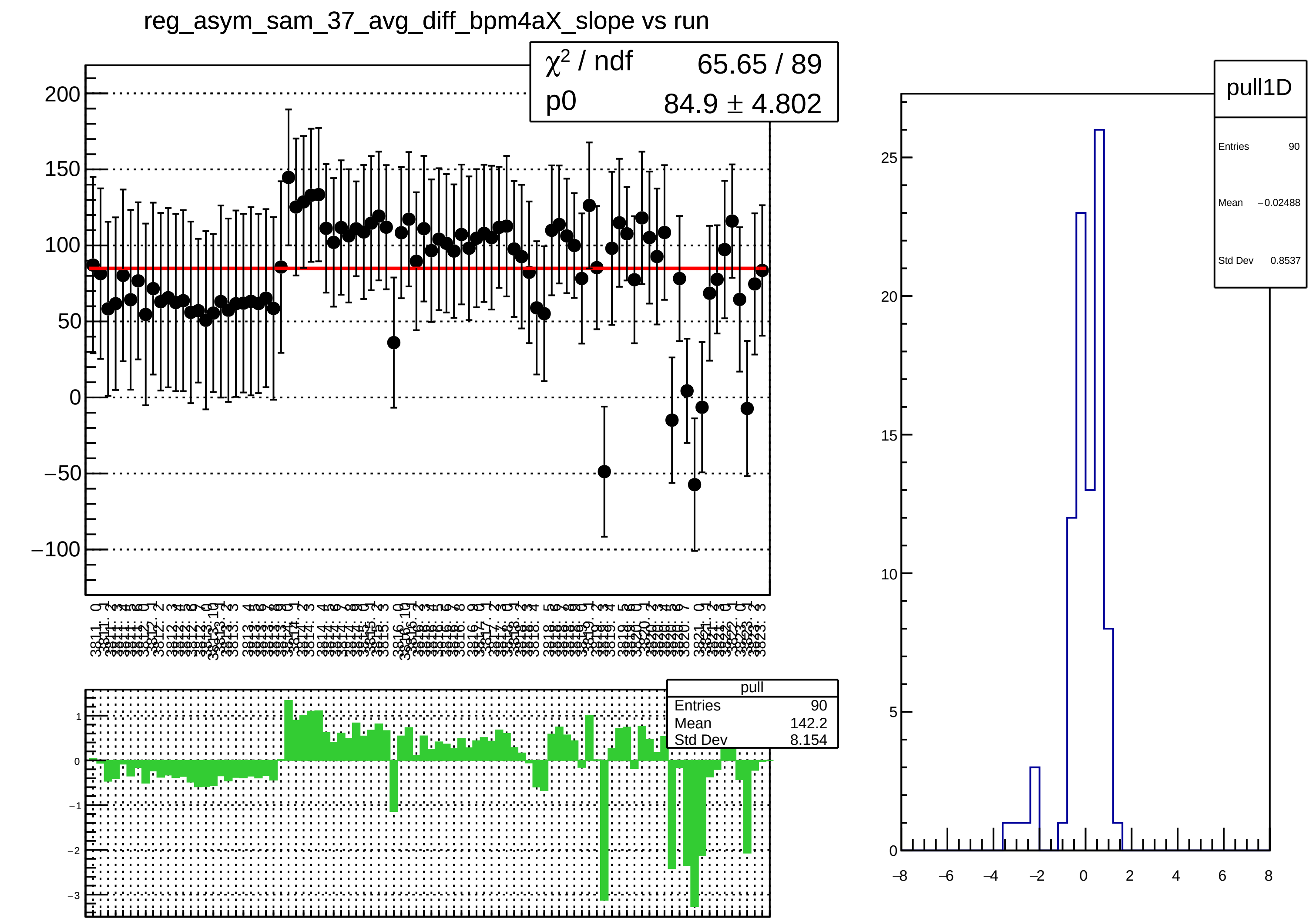
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 549.6 / 89
p0 −177.1 ± 0.8754
pull
Entries 90
Mean −80.7
Std Dev 122.7
pull1D
Entries 90
Mean 0.5113
Std Dev 1.88



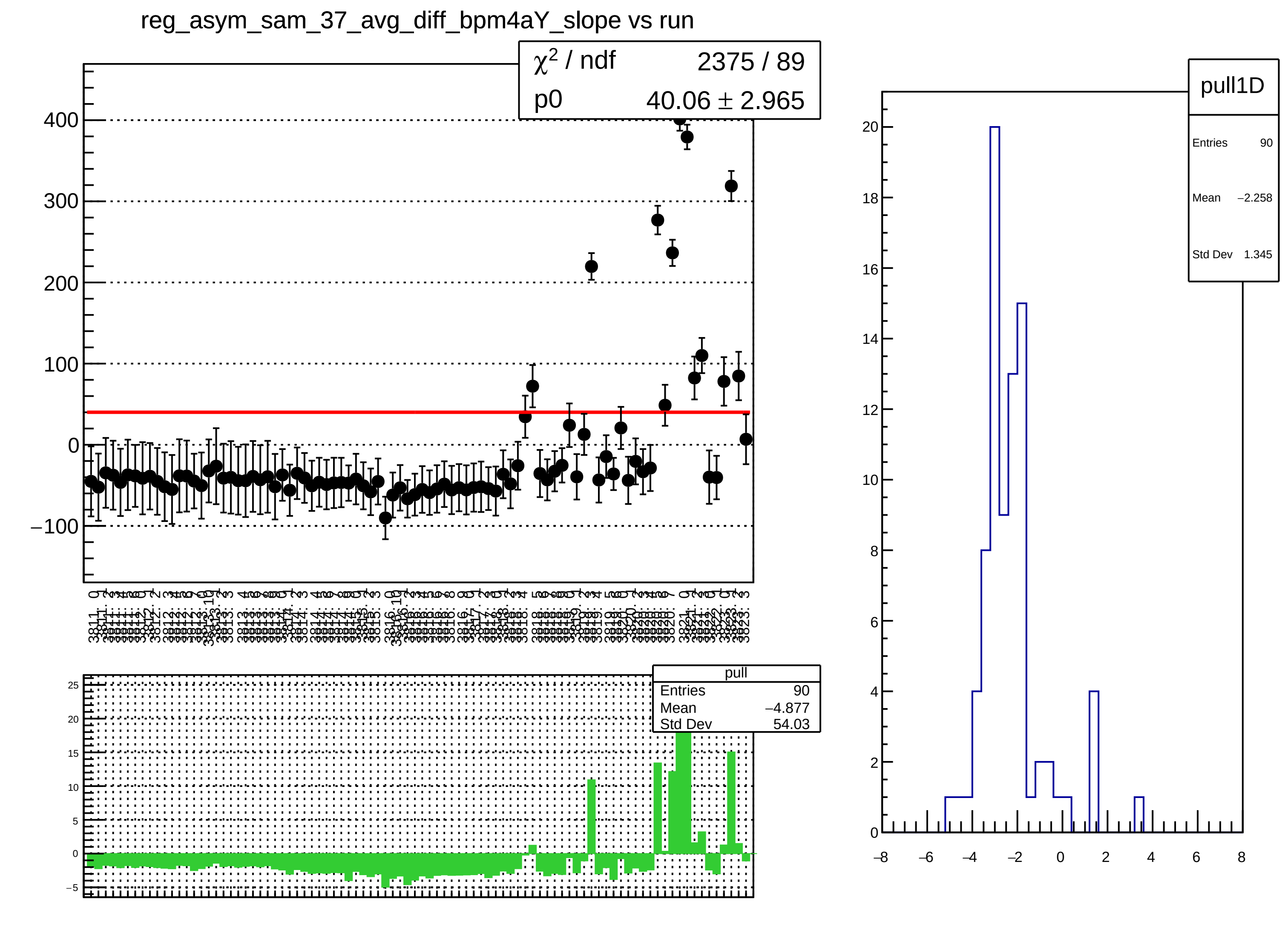
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ2 / ndf 2909 / 89
p0 −4.284 ± 0.2429
pull
Entries 90
Mean 349.9
Std Dev 301.1
pull1D
Entries 90
Mean −2.168
Std Dev 2.838


reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 460.2 / 89
p0 −43.26 ± 1.37
40
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 90
Mean −45.36
Std Dev 86.4
10
8
6
4
2
0
−2
−4
pull1D
Entries 90
Mean −0.4965
Std Dev 1.935
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

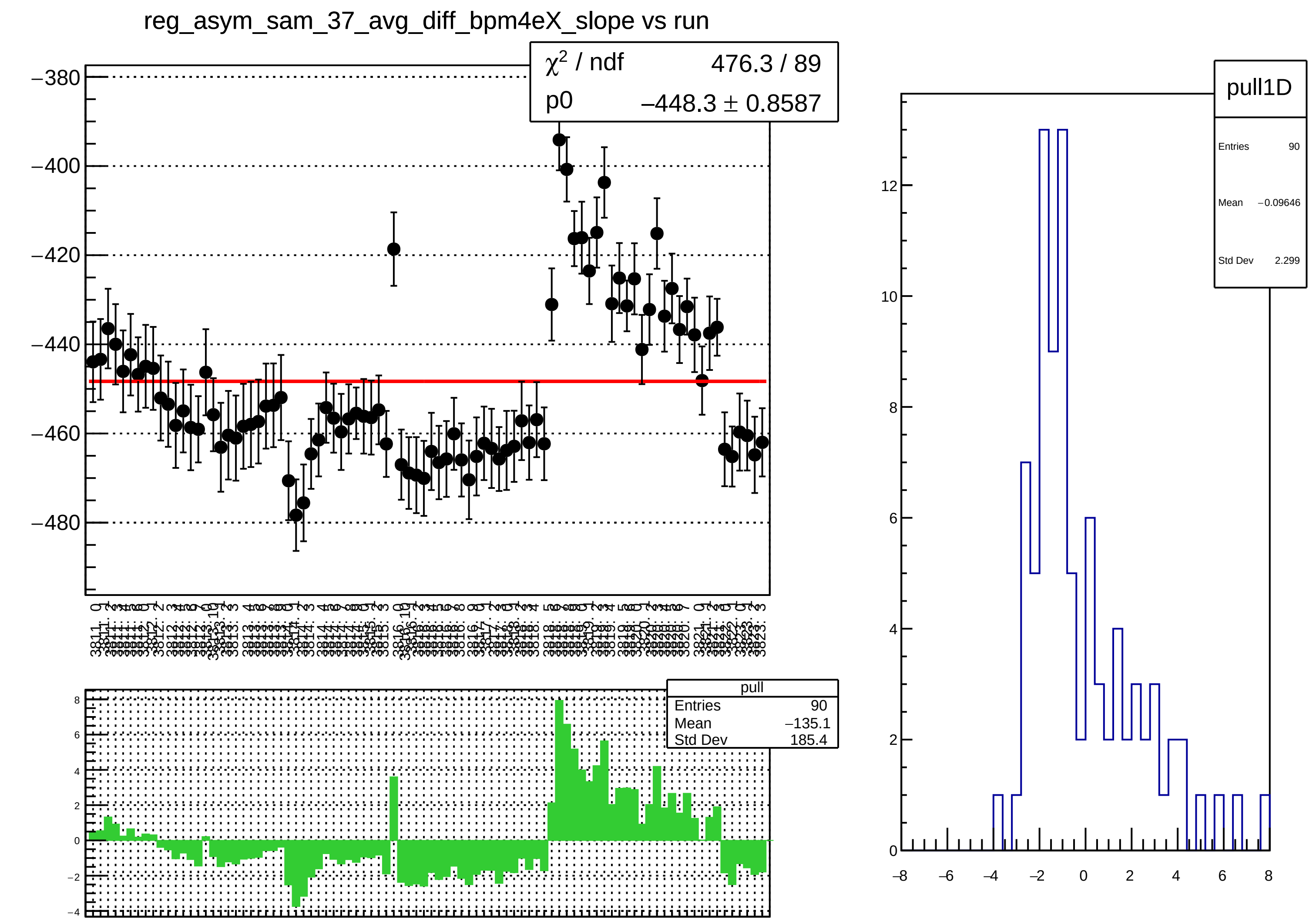

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ2 / ndf 302 / 89
p0 −0.1186 ± 0.3441
pull
Entries 90
Mean 154.1
Std Dev 131.2
pull1D
Entries 90
Mean 0.1193
Std Dev 1.828



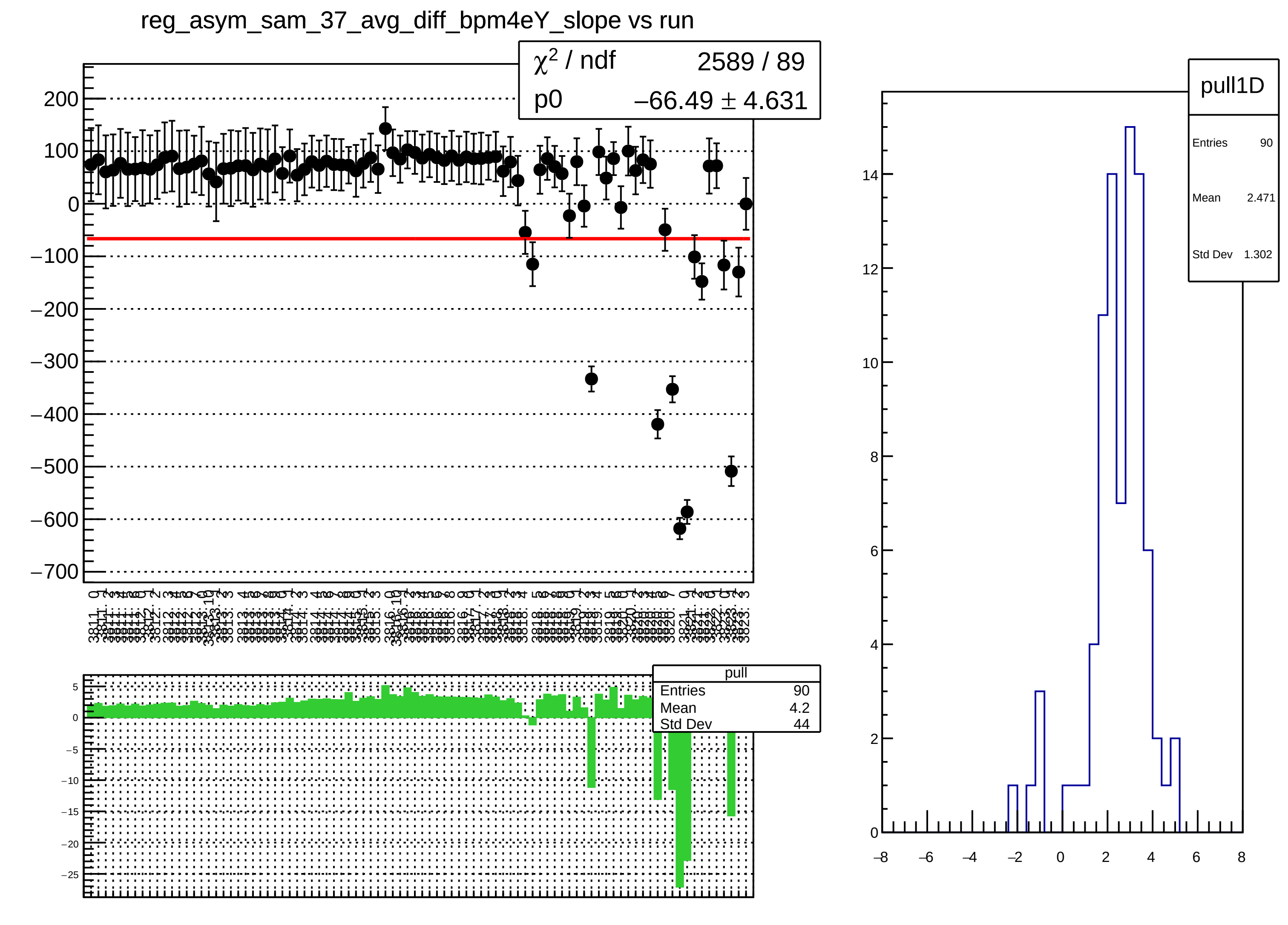
reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 65.65 / 89
p0 84.9 ± 4.802
pull
Entries 90
Mean 142.2
Std Dev 8.154
pull1D
Entries 90
Mean −0.02488
Std Dev 0.8537



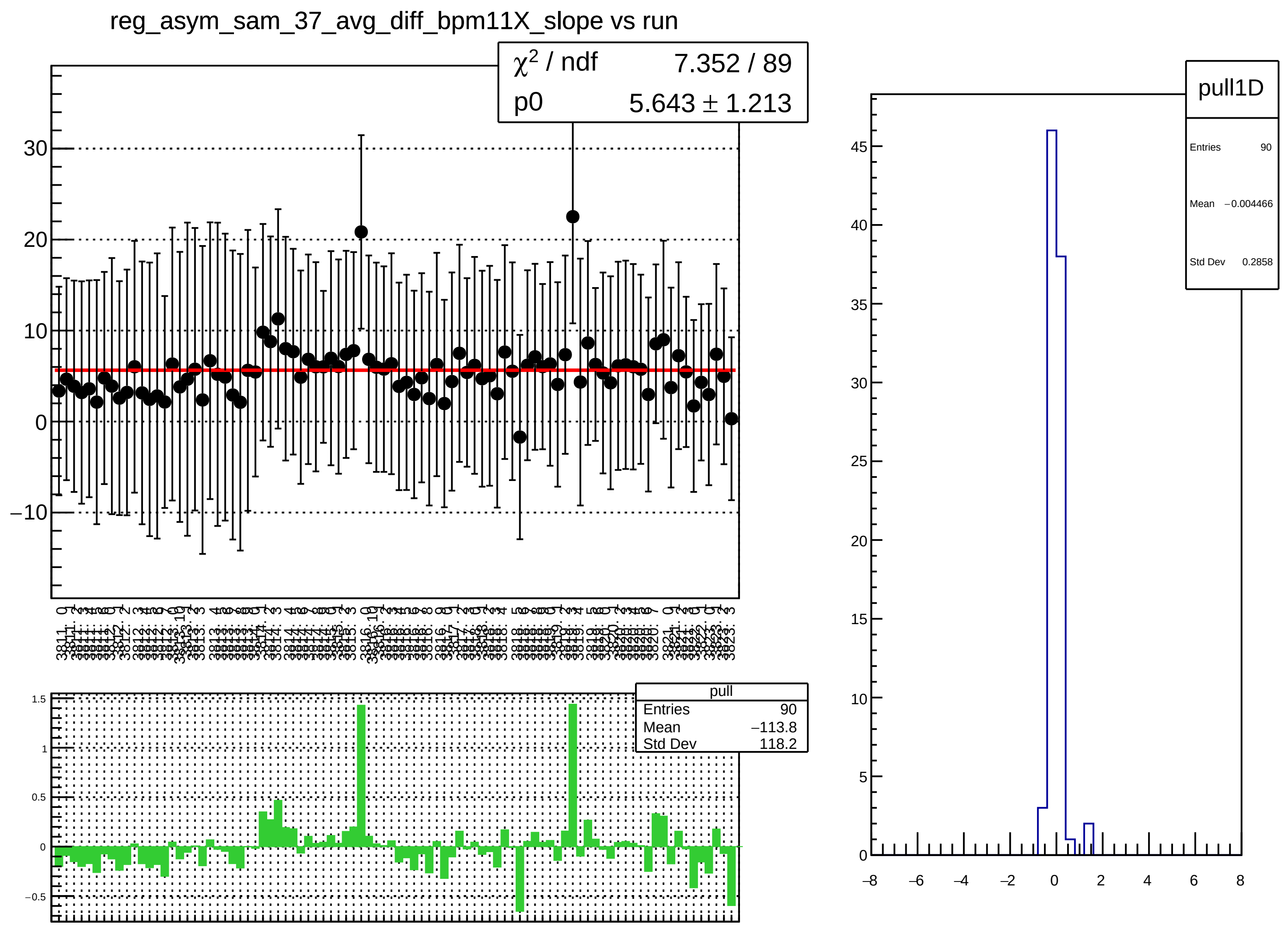
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ2 / ndf 2375 / 89
p0 40.06 ± 2.965
pull
Entries 90
Mean −4.877
Std Dev 54.03
pull1D
Entries 90
Mean −2.258
Std Dev 1.345



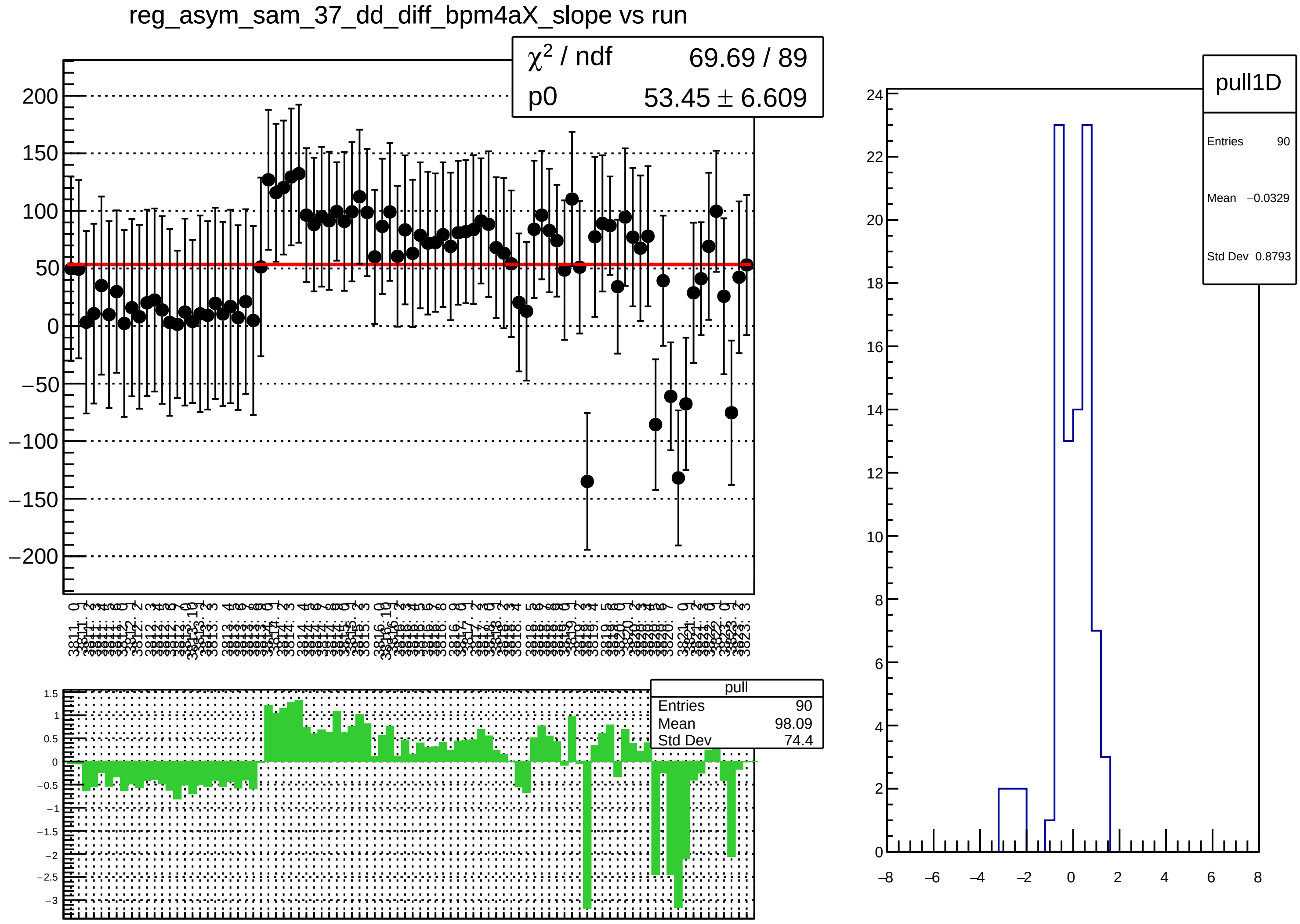
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 476.3 / 89
p0 −448.3 ± 0.8587
pull
Entries 90
Mean −135.1
Std Dev 185.4
pull1D
Entries 90
Mean −0.09646
Std Dev 2.299

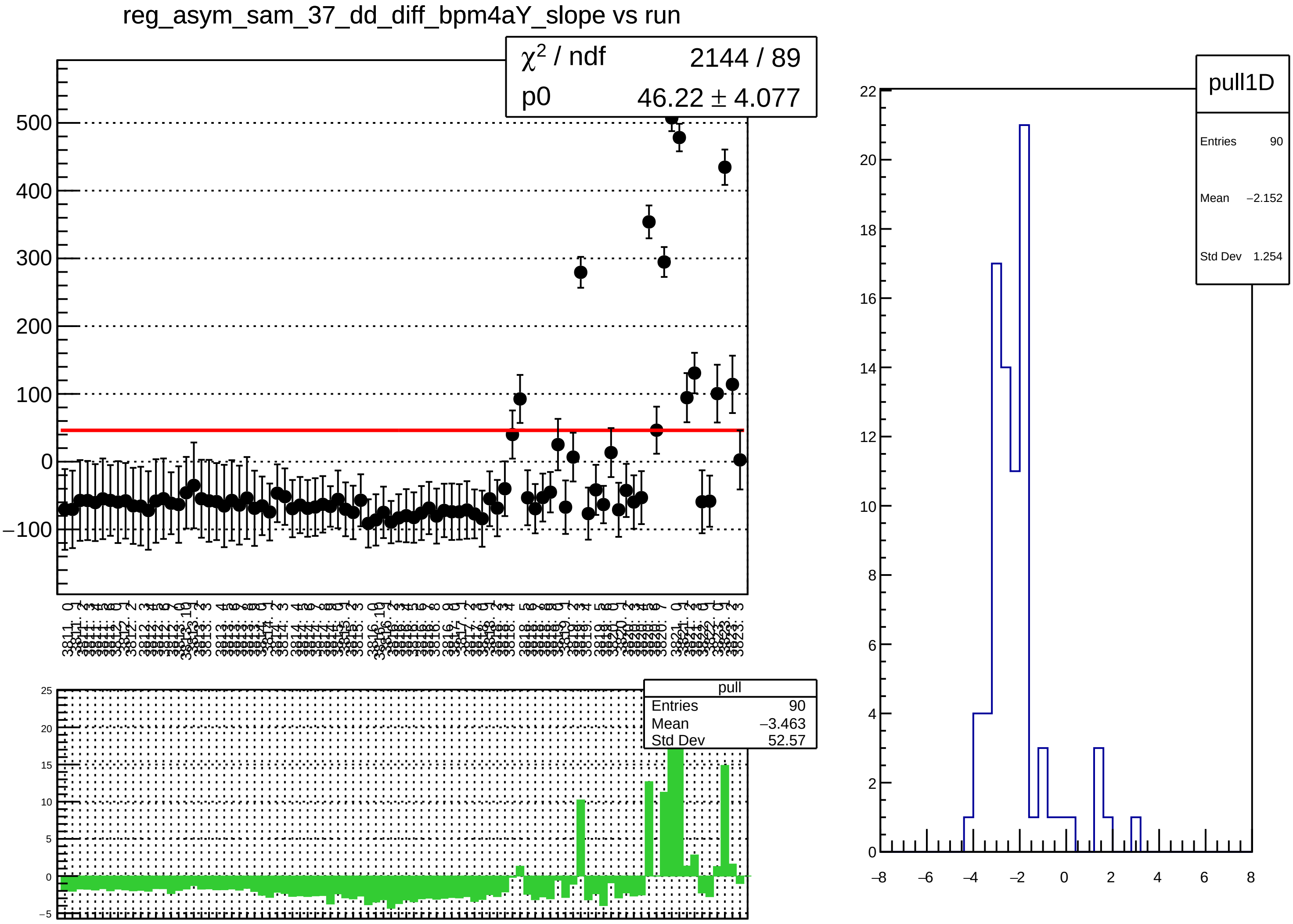


reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2589 / 89
p0 −66.49 ± 4.631
pull
Entries 90
Mean 4.2
Std Dev 44
pull1D
Entries 90
Mean 2.471
Std Dev 1.302

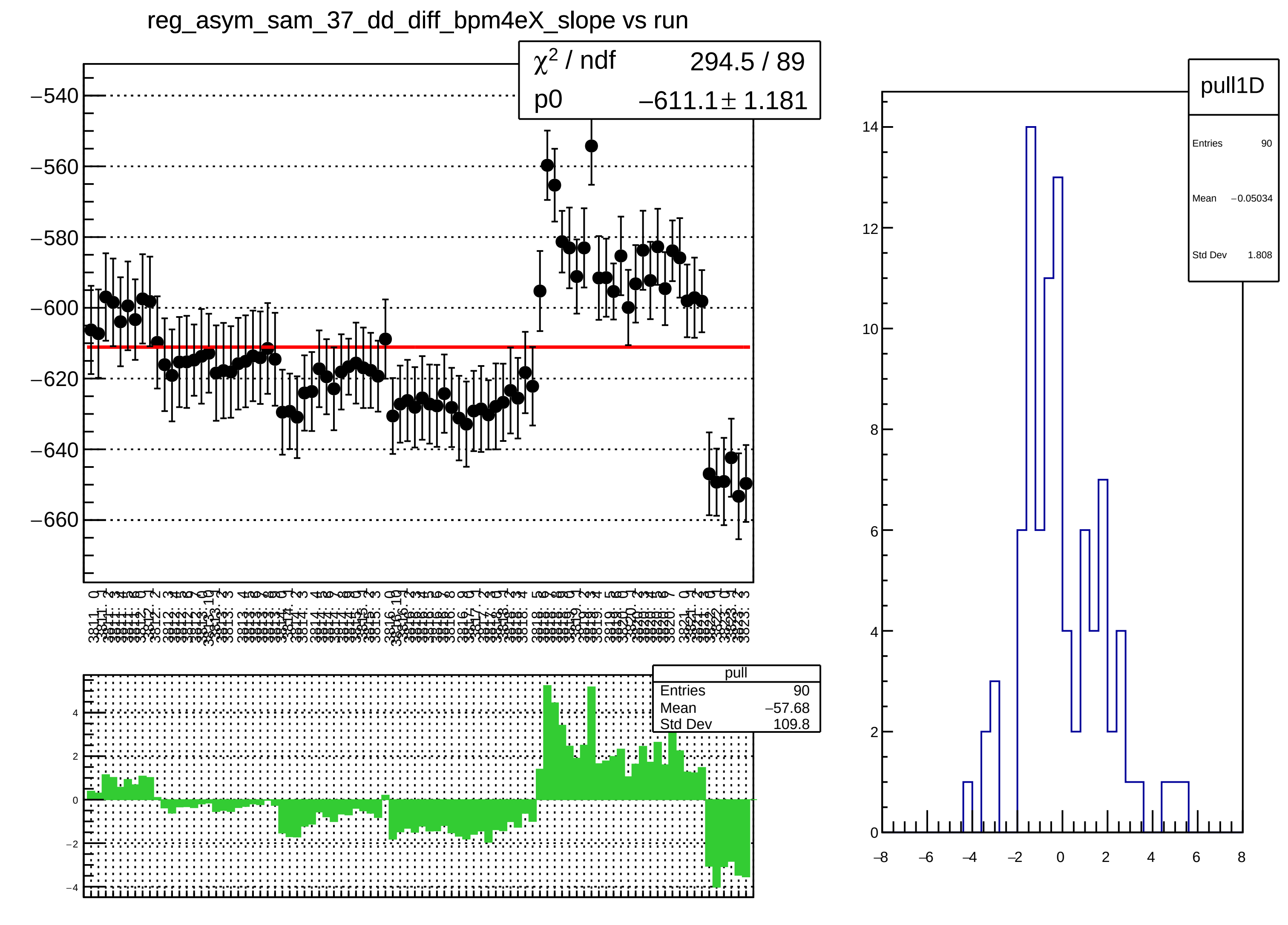


reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ^2 / ndf 7.352 / 89
p0 5.643 ± 1.213
pull
Entries 90
Mean −113.8
Std Dev 118.2
pull1D
Entries 90
Mean −0.004466
Std Dev 0.2858

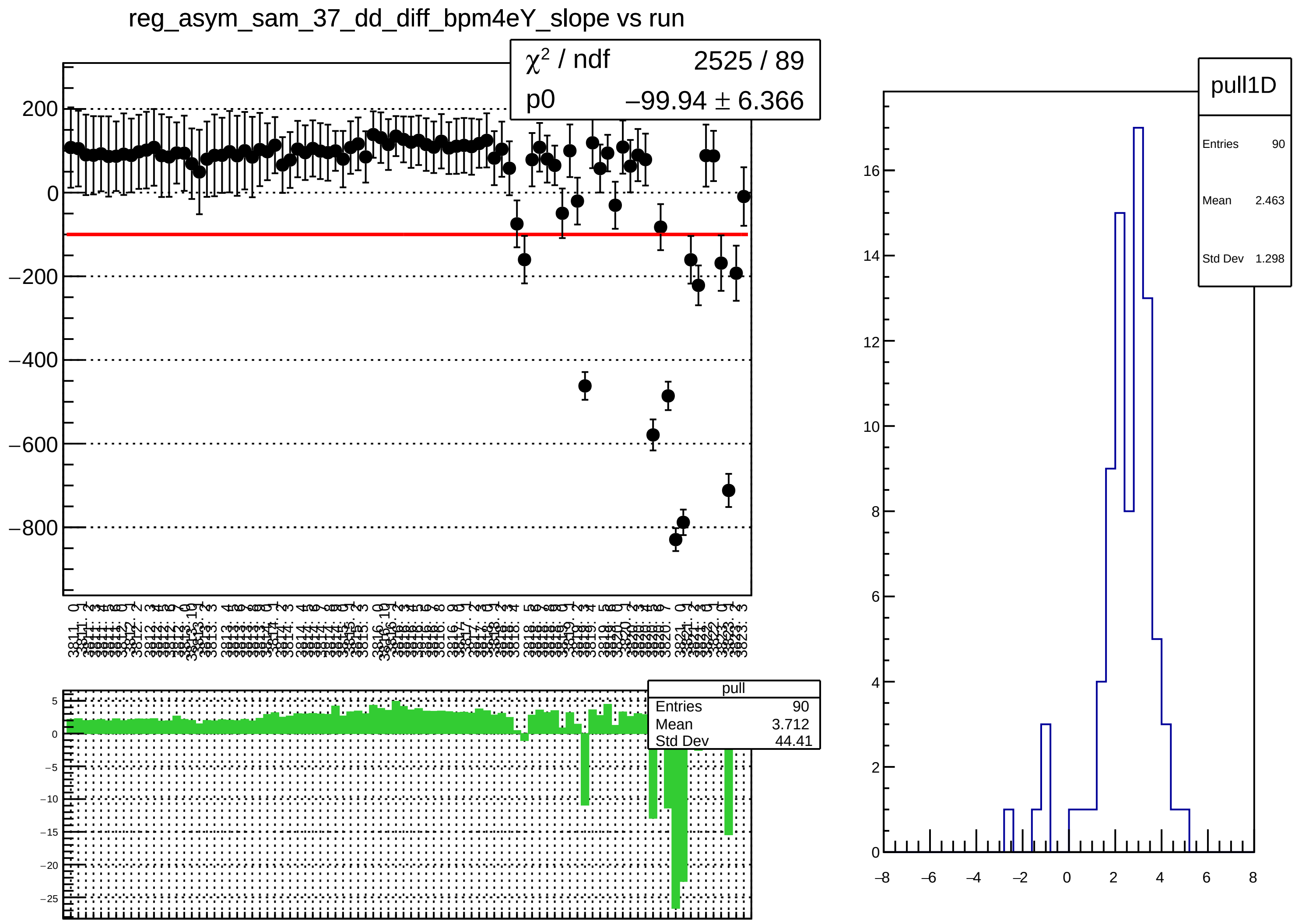

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 69.69 / 89
p0 53.45 ± 6.609
pull
Entries 90
Mean 98.09
Std Dev 74.4
pull1D
Entries 90
Mean −0.0329
Std Dev 0.8793



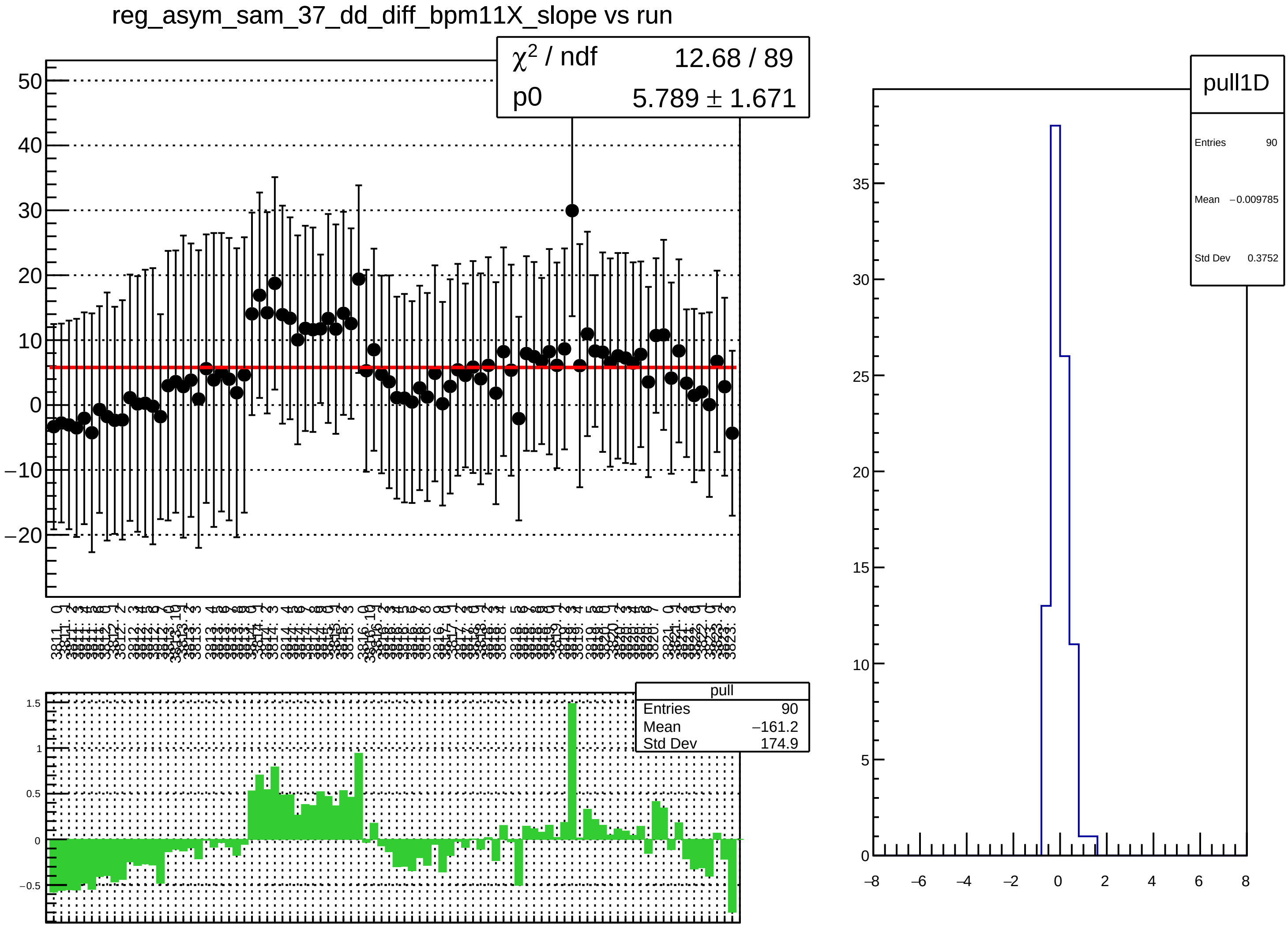
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2144 / 89
p0 46.22 ± 4.077
pull
Entries 90
Mean −3.463
Std Dev 52.57
pull1D
Entries 90
Mean −2.152
Std Dev 1.254



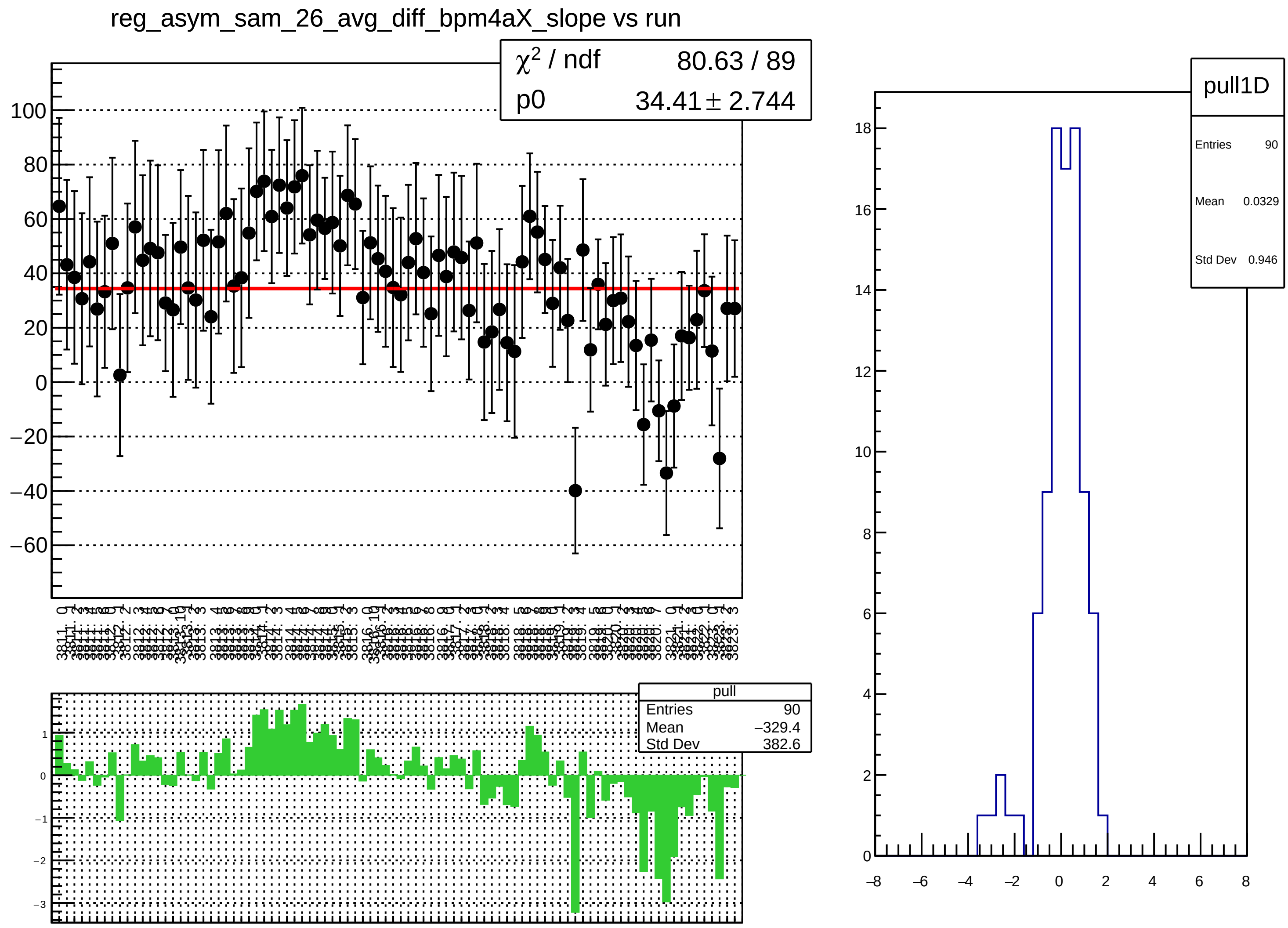
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 294.5 / 89
p0 −611.1 ± 1.181
−540
−560
−580
−600
−620
−640
−660
pull
Entries 90
Mean −57.68
Std Dev 109.8
4
2
0
−2
−4
pull1D
Entries 90
Mean −0.05034
Std Dev 1.808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

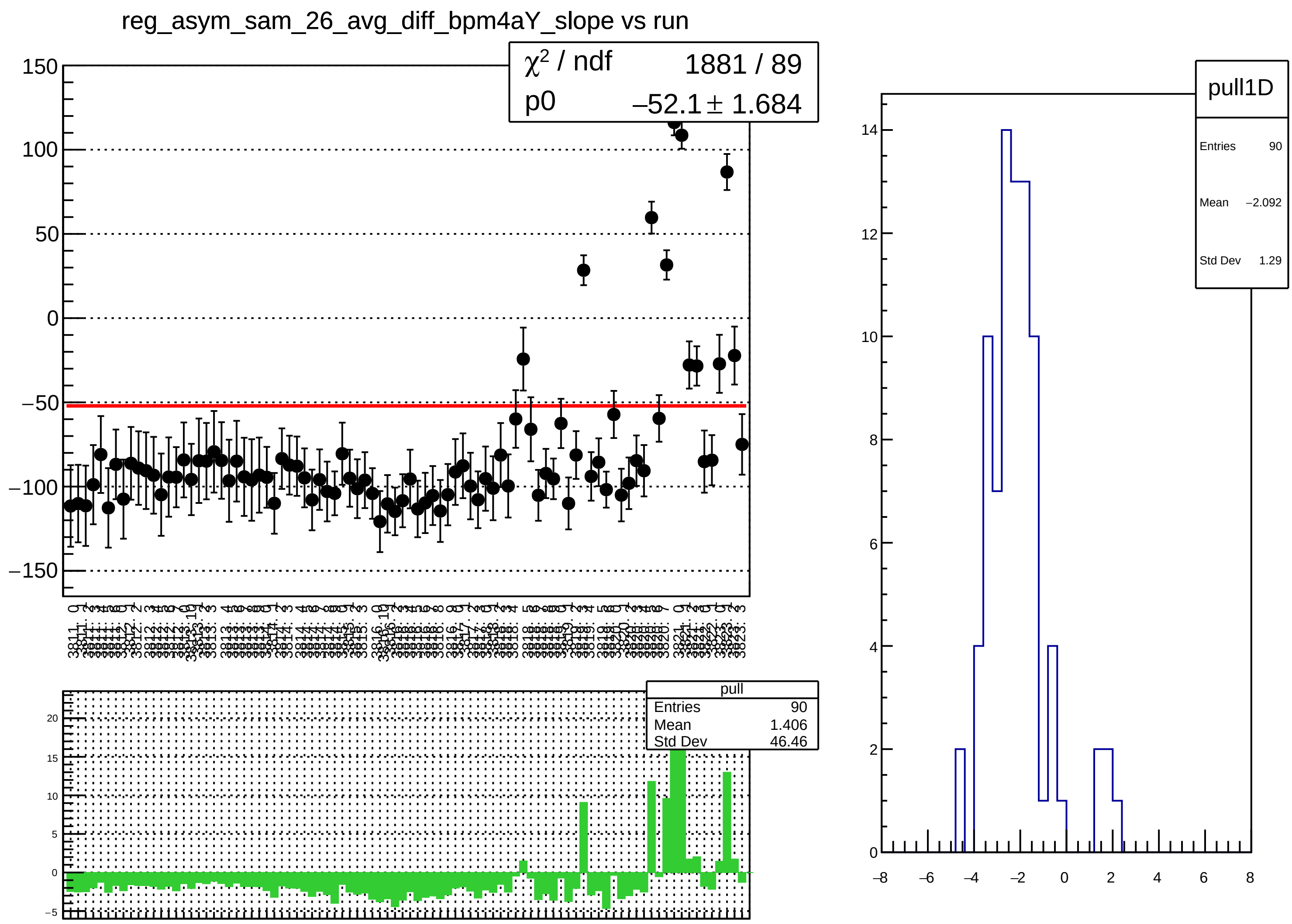


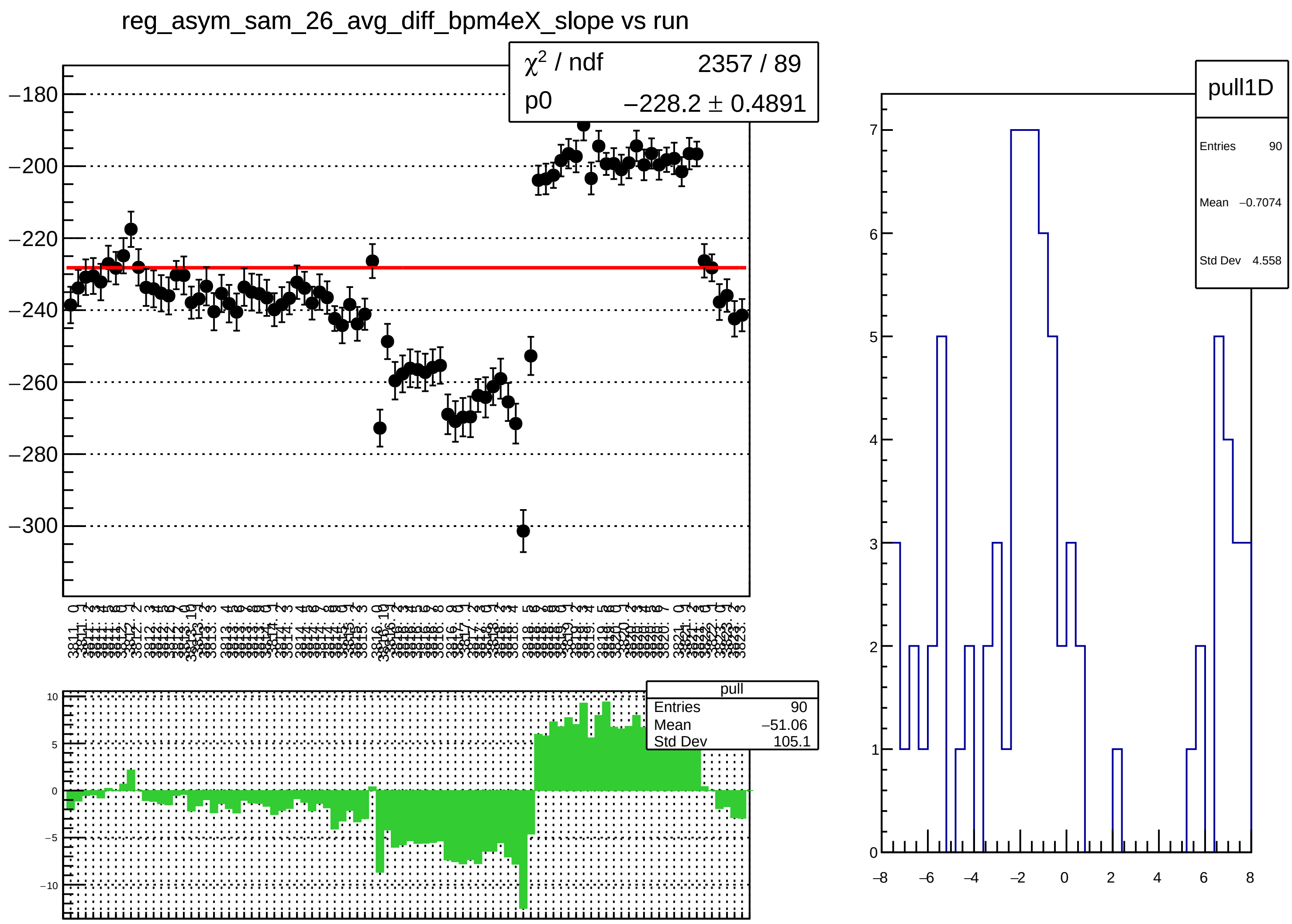
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 2525 / 89
p0 −99.94 ± 6.366
pull
Entries 90
Mean 3.712
Std Dev 44.41
pull1D
Entries 90
Mean 2.463
Std Dev 1.298



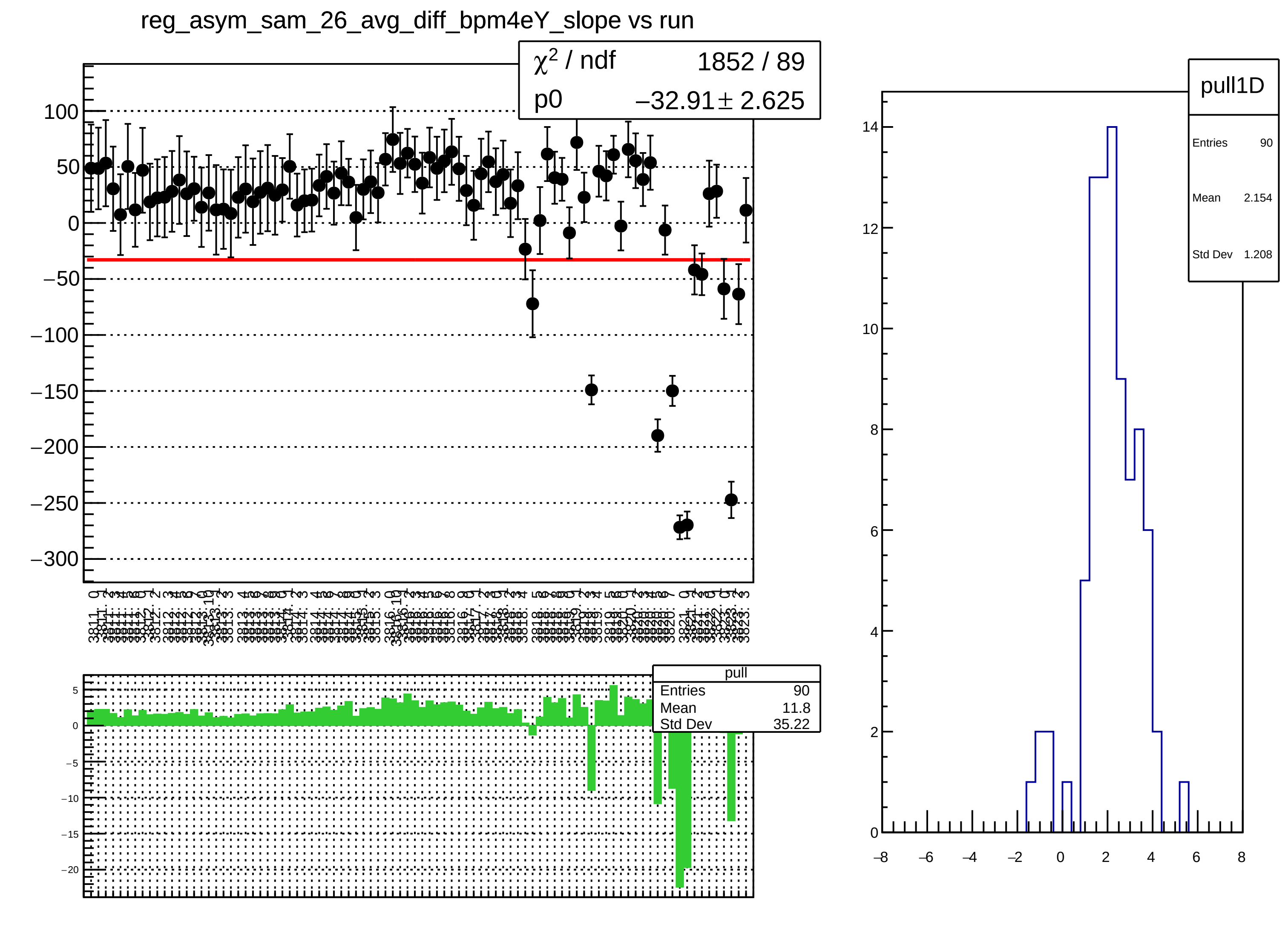
reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ^2 / ndf 12.68 / 89
p0 5.789 ± 1.671
pull
Entries 90
Mean −161.2
Std Dev 174.9
pull1D
Entries 90
Mean −0.009785
Std Dev 0.3752


reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 80.63 / 89
p0 34.41 ± 2.744
pull
Entries 90
Mean −329.4
Std Dev 382.6
pull1D
Entries 90
Mean 0.0329
Std Dev 0.946

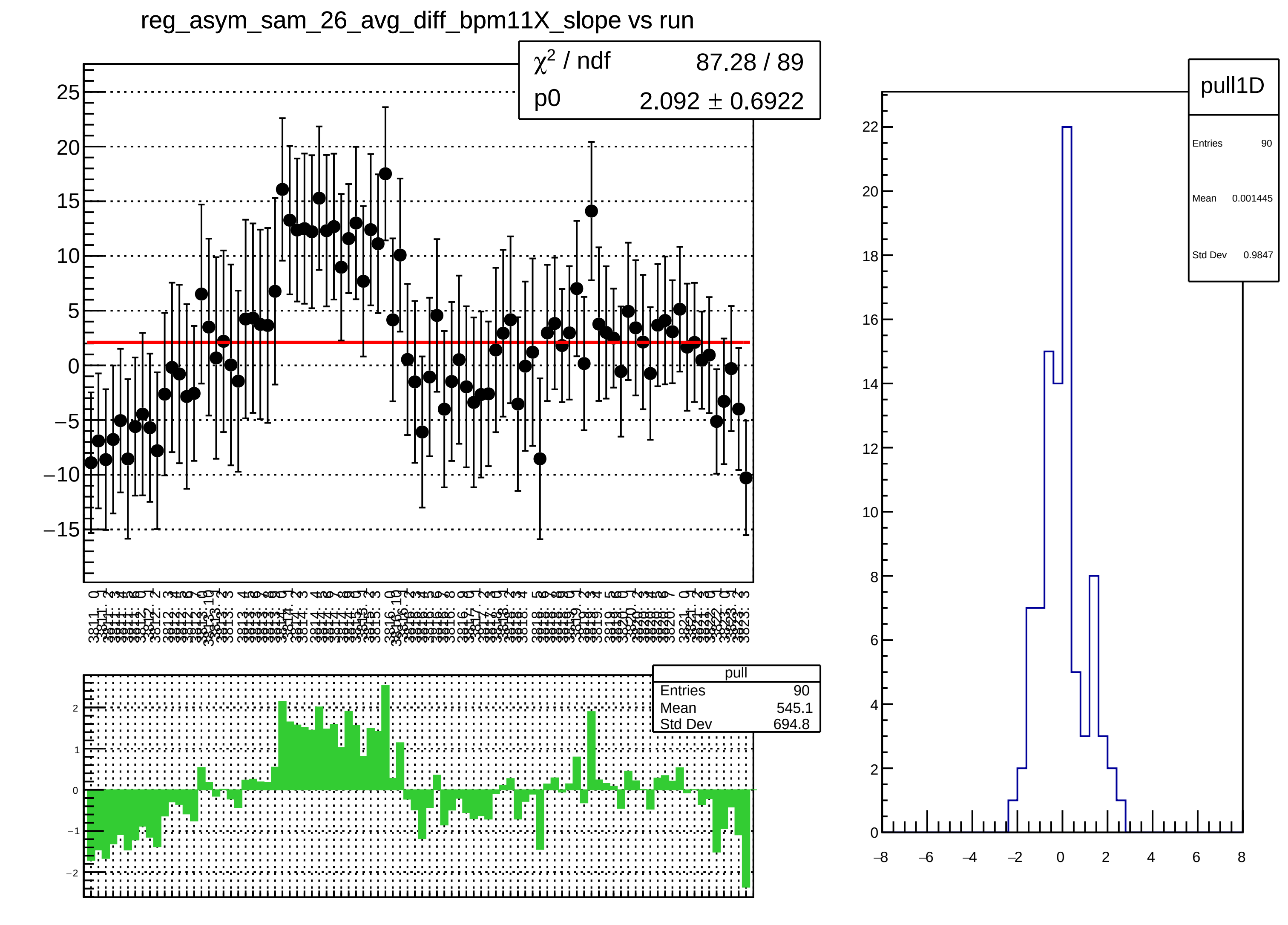

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ2 / ndf 1881 / 89
p0 −52.1 ± 1.684
pull
Entries 90
Mean 1.406
Std Dev 46.46
pull1D
Entries 90
Mean −2.092
Std Dev 1.29

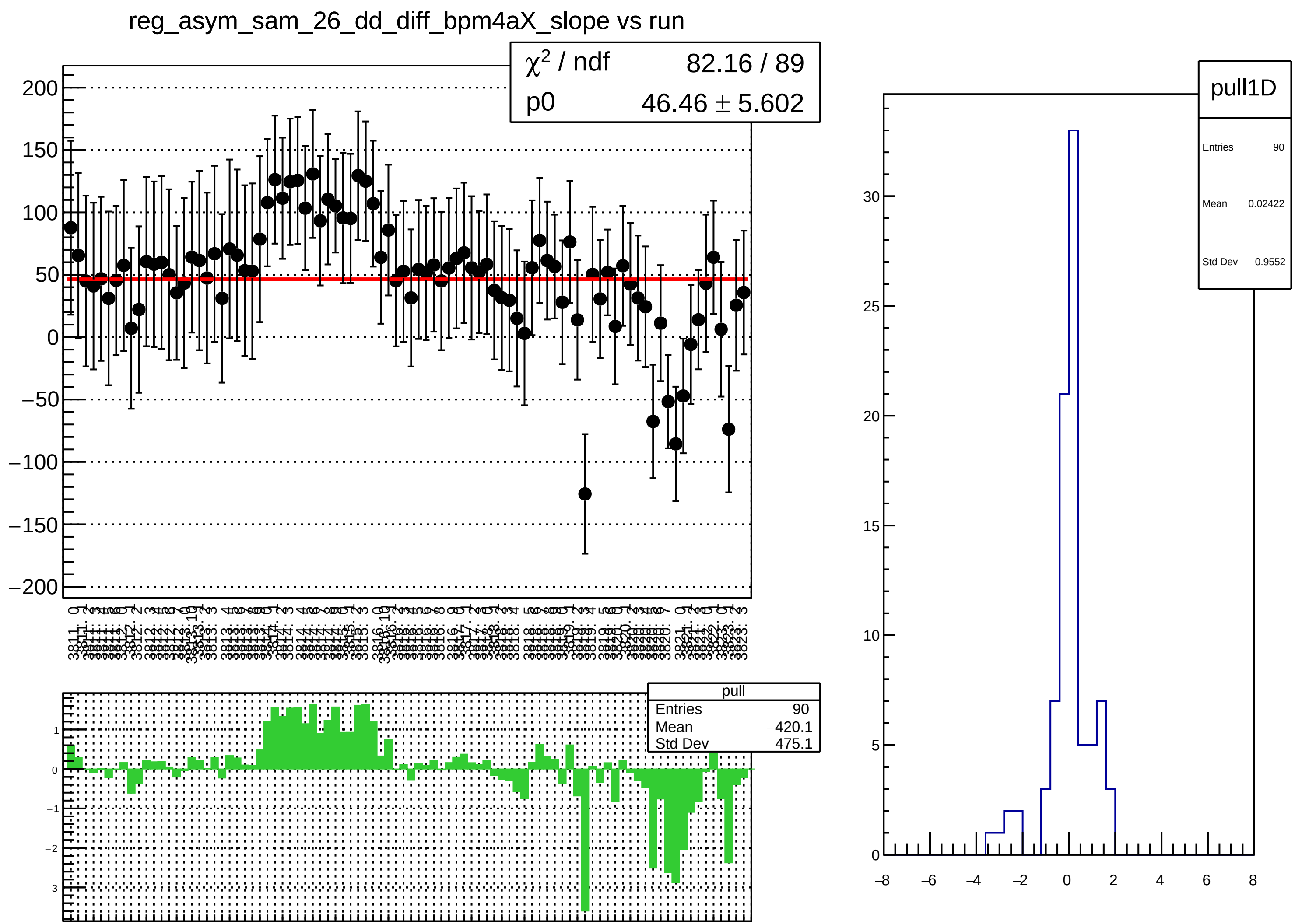


reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 2357 / 89
p0 −228.2 ± 0.4891
pull
Entries 90
Mean −51.06
Std Dev 105.1
pull1D
Entries 90
Mean −0.7074
Std Dev 4.558

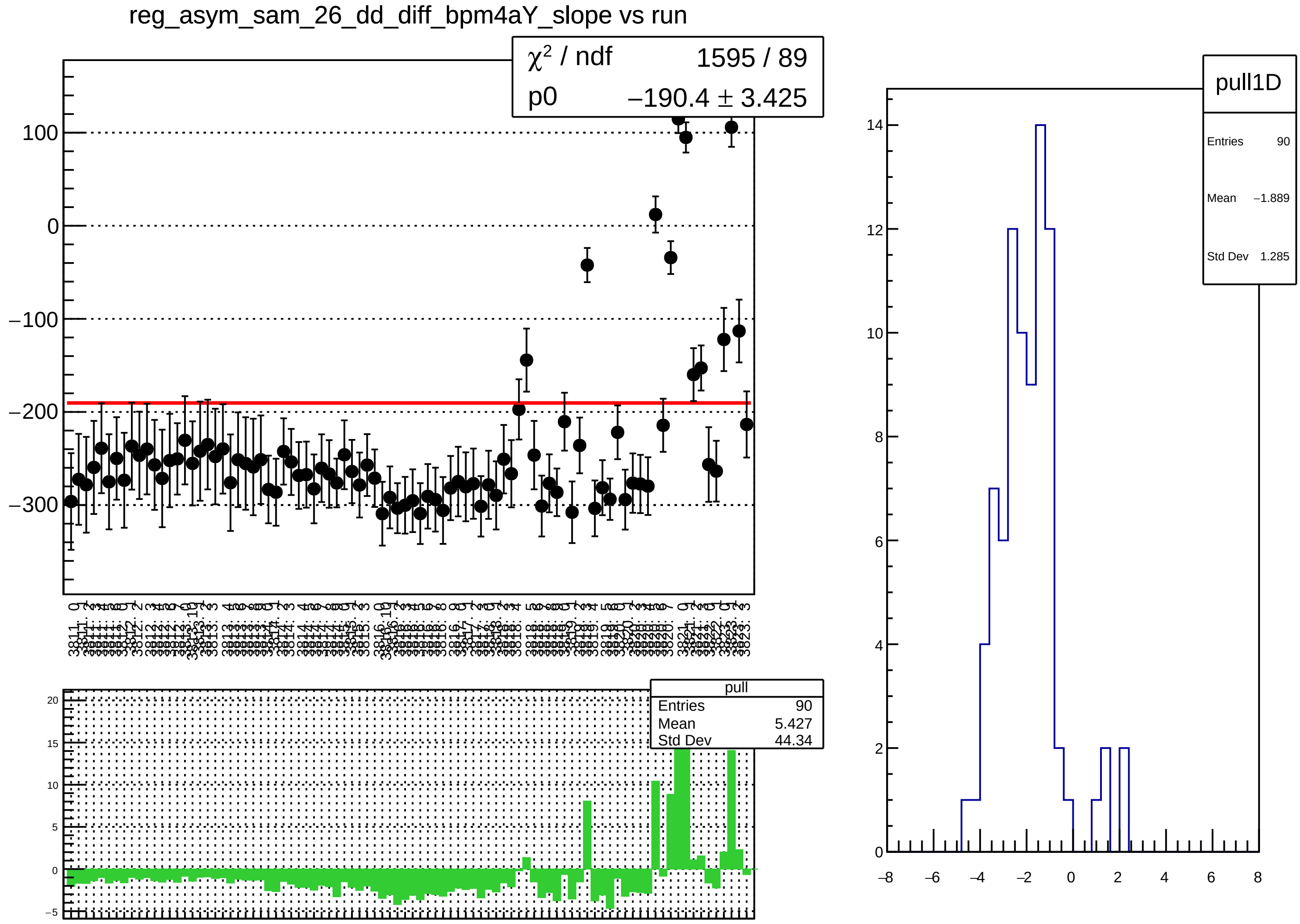


reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1852 / 89
p0 −32.91 ± 2.625
pull
Entries 90
Mean 11.8
Std Dev 35.22
pull1D
Entries 90
Mean 2.154
Std Dev 1.208

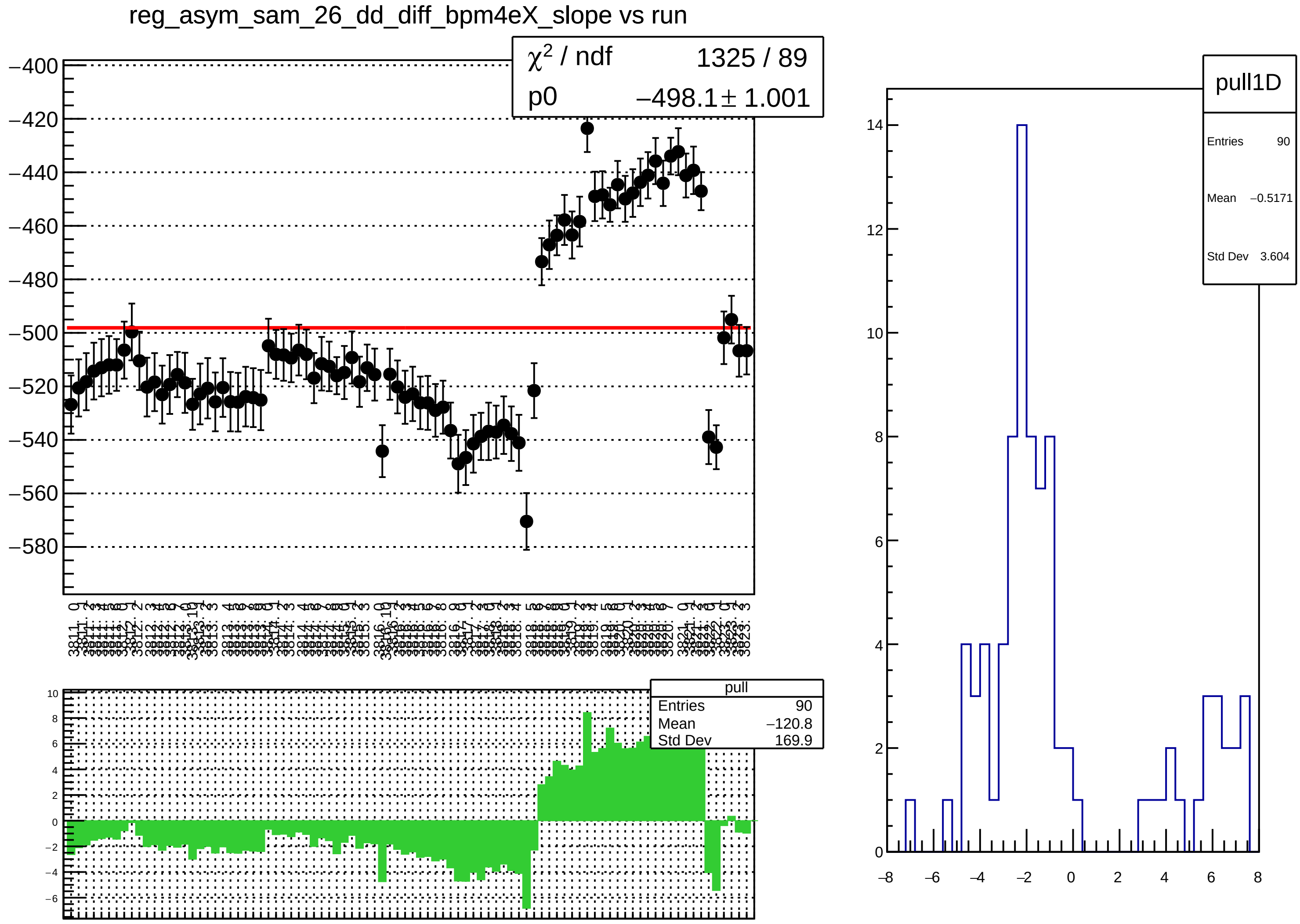

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ^2 / ndf 87.28 / 89
p0 2.092 ± 0.6922
pull
Entries 90
Mean 545.1
Std Dev 694.8
pull1D
Entries 90
Mean 0.001445
Std Dev 0.9847



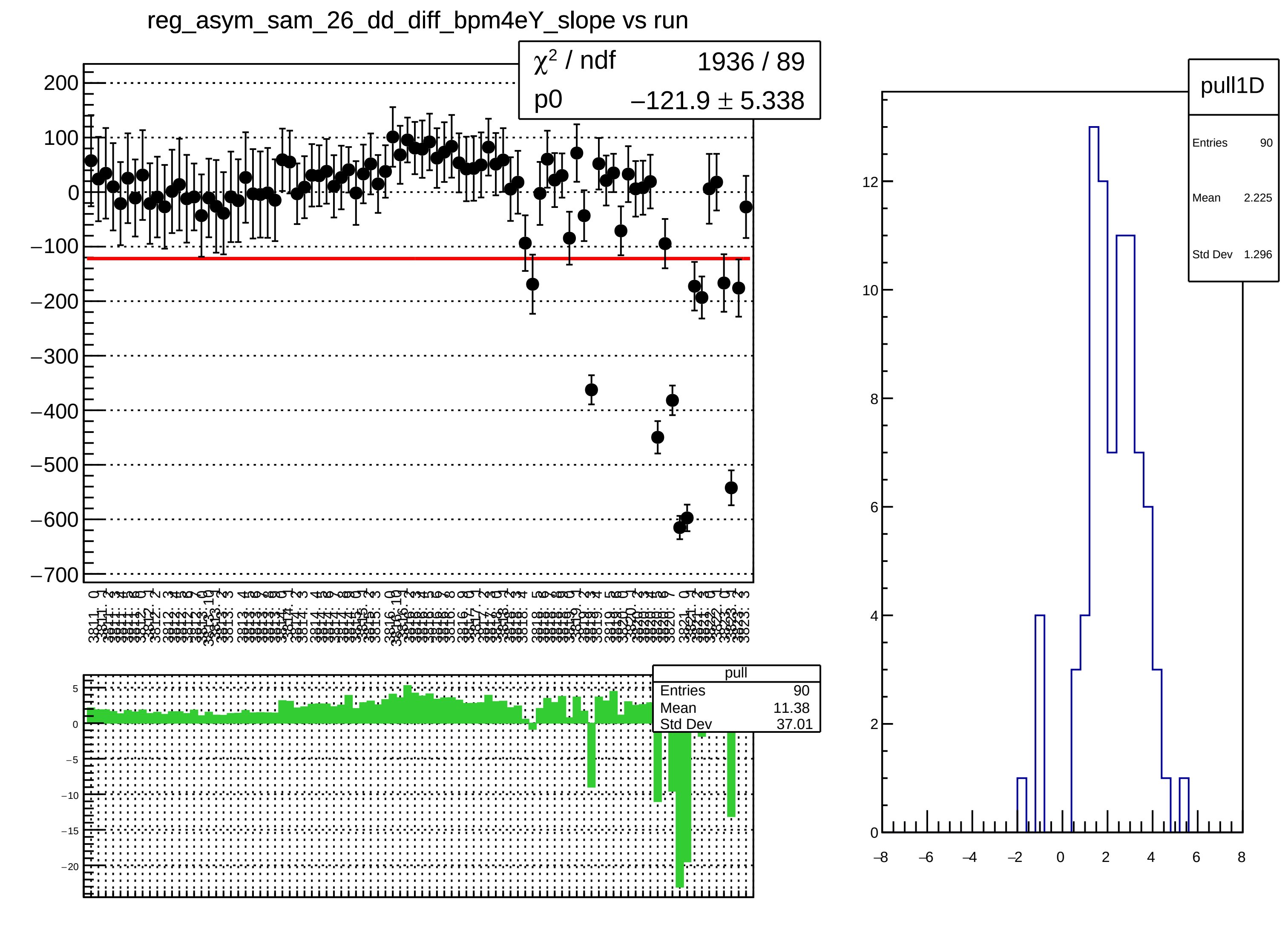
reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 82.16 / 89
p0 46.46 ± 5.602
pull
Entries 90
Mean −420.1
Std Dev 475.1
pull1D
Entries 90
Mean 0.02422
Std Dev 0.9552



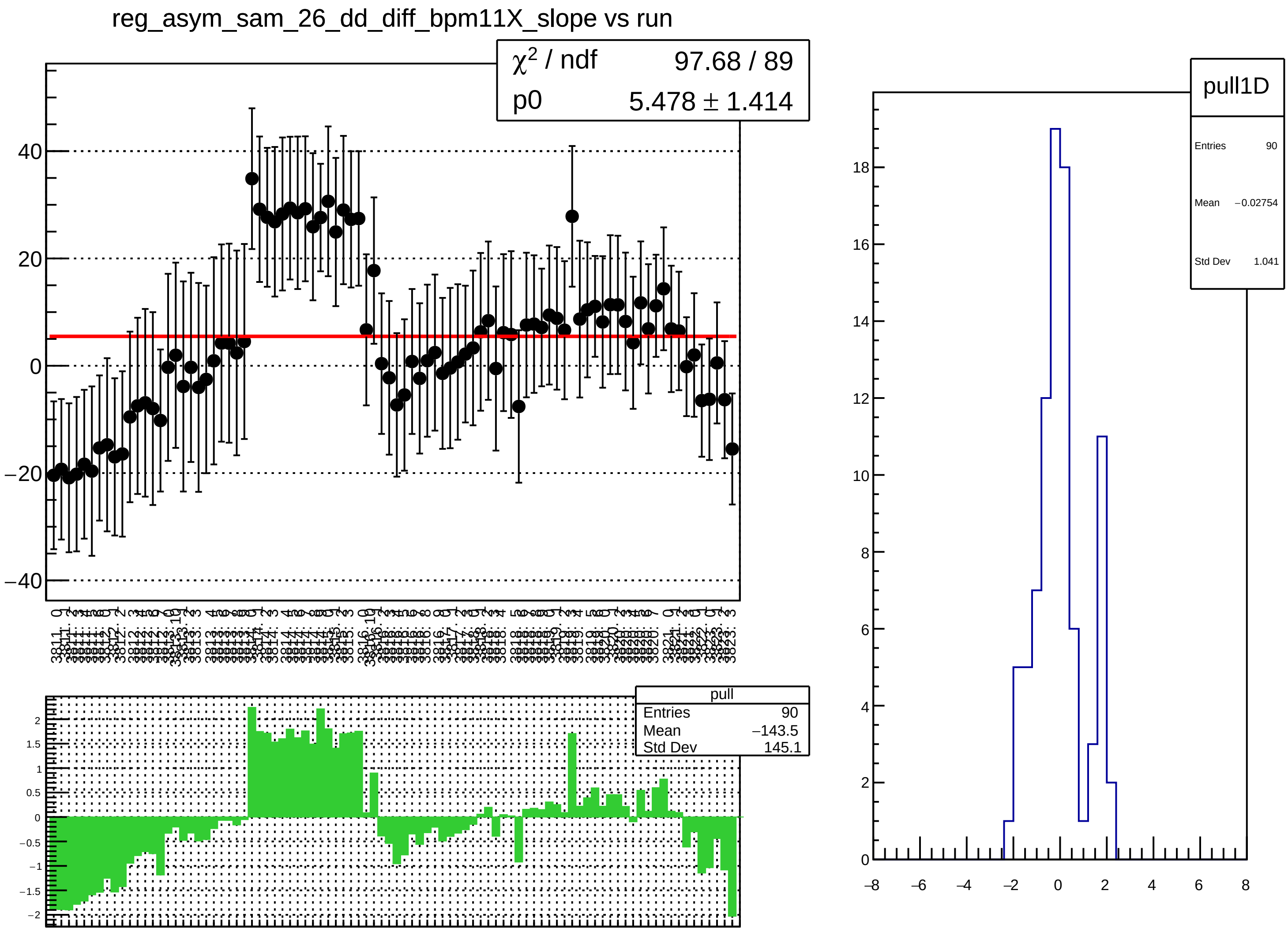
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1595 / 89
p0 −190.4 ± 3.425
100
0
−100
−200
−300
pull
Entries 90
Mean 5.427
Std Dev 44.34
20
15
10
5
0
−5
pull1D
Entries 90
Mean −1.889
Std Dev 1.285
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



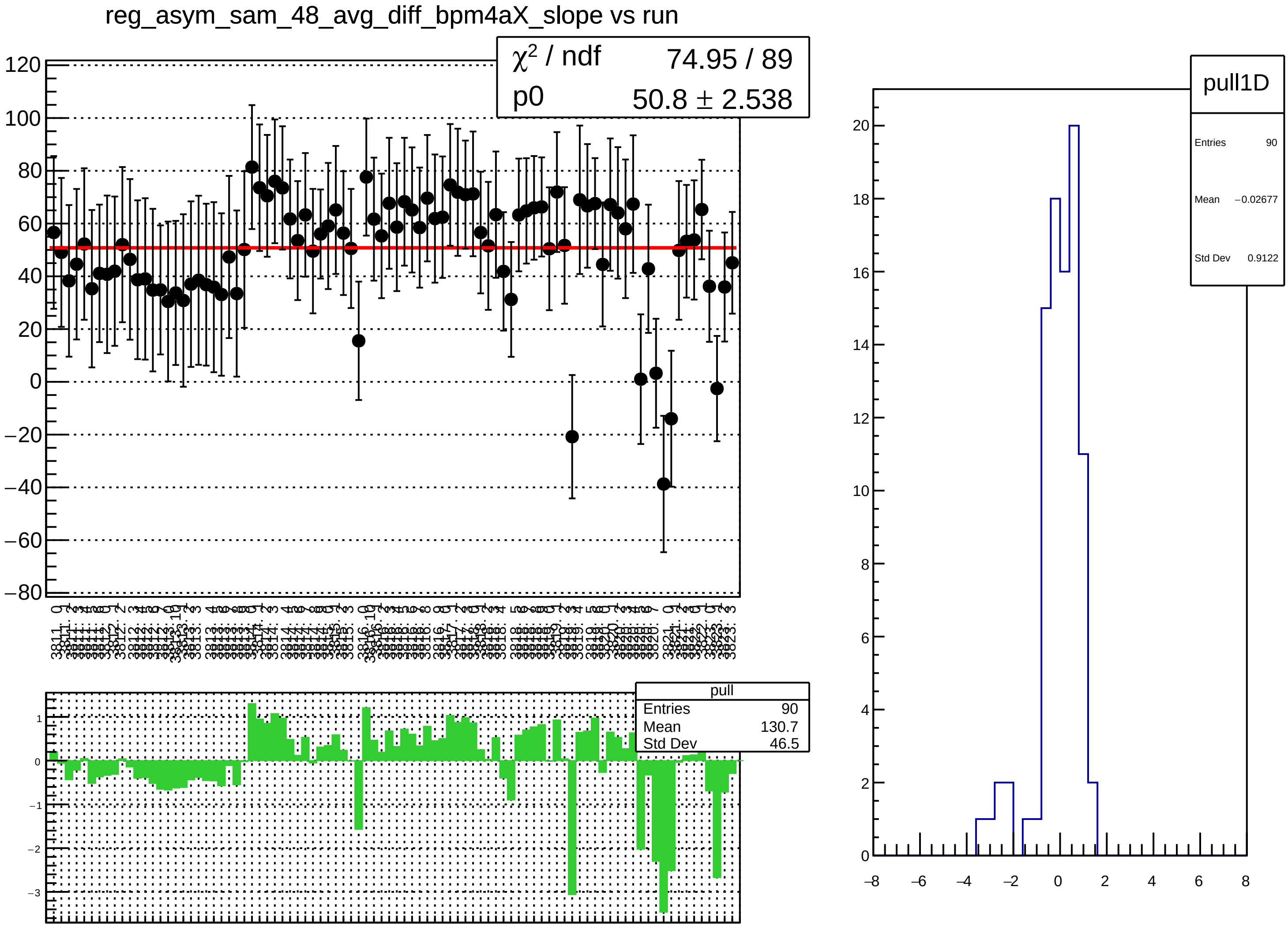
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1325 / 89
p0 −498.1 ± 1.001
pull
Entries 90
Mean −120.8
Std Dev 169.9
pull1D
Entries 90
Mean −0.5171
Std Dev 3.604



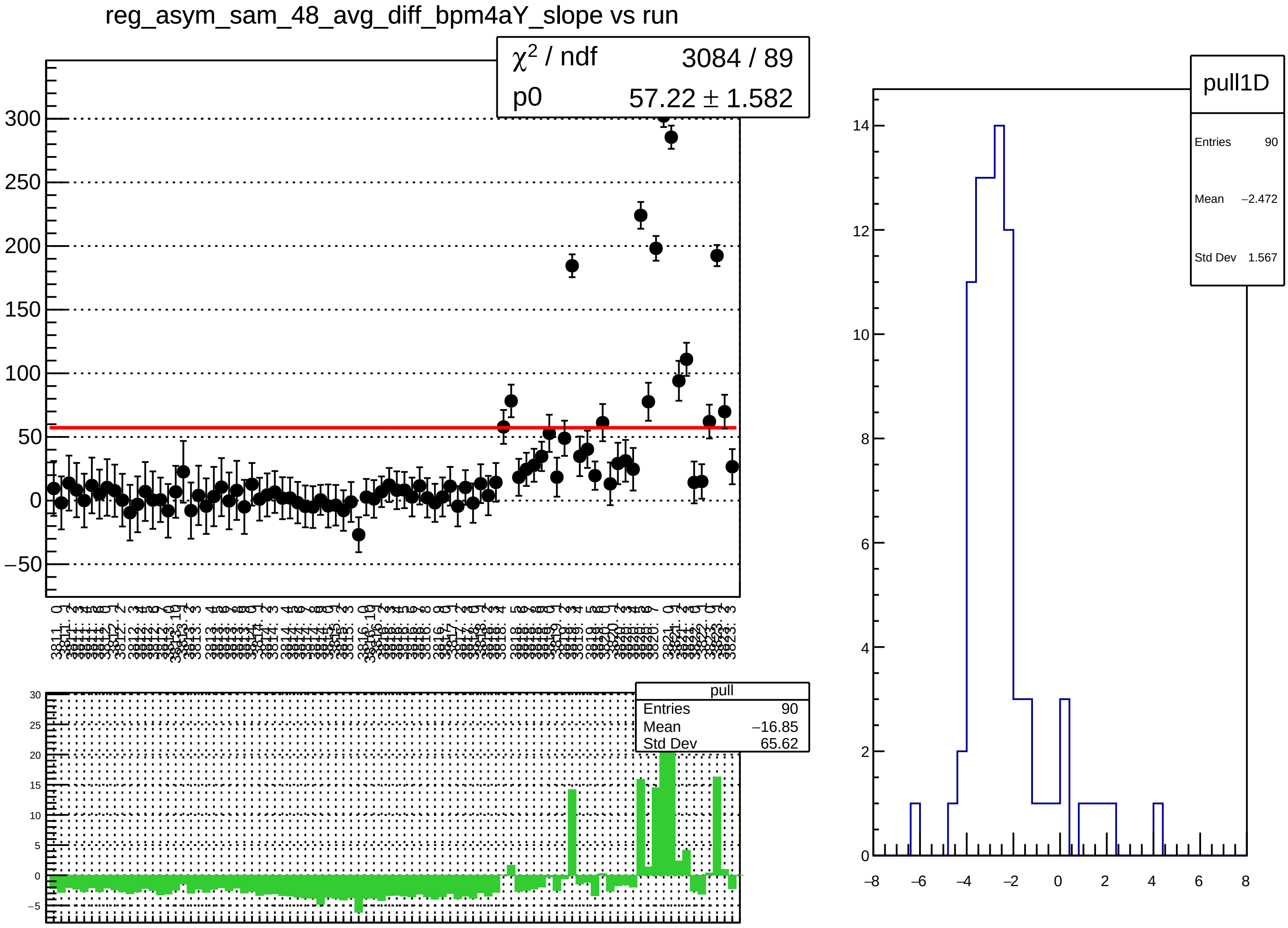
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1936 / 89
p0 −121.9 ± 5.338
pull
Entries 90
Mean 11.38
Std Dev 37.01
pull1D
Entries 90
Mean 2.225
Std Dev 1.296



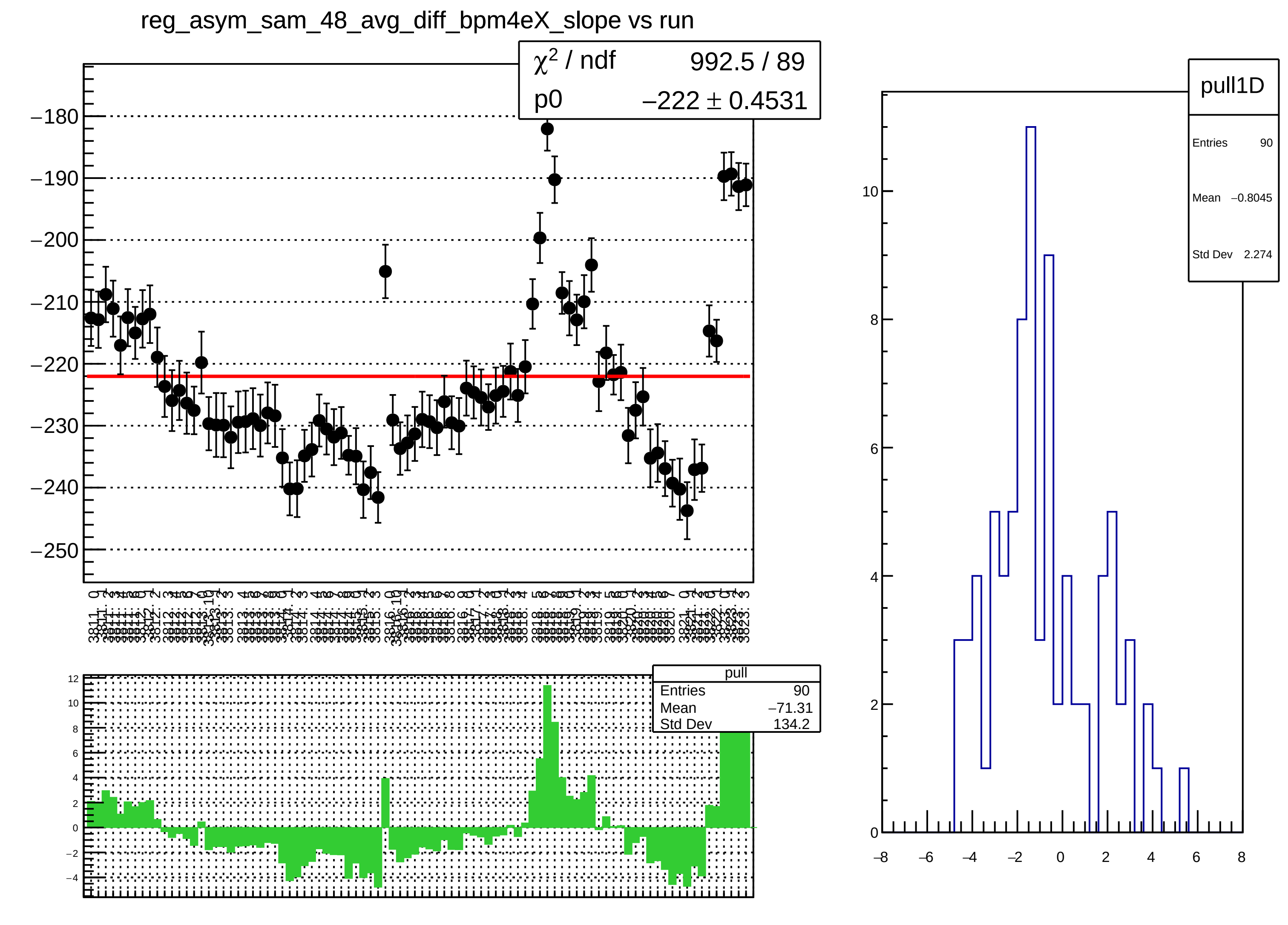
reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ2 / ndf 97.68 / 89
p0 5.478 ± 1.414
pull
Entries 90
Mean −143.5
Std Dev 145.1
pull1D
Entries 90
Mean −0.02754
Std Dev 1.041

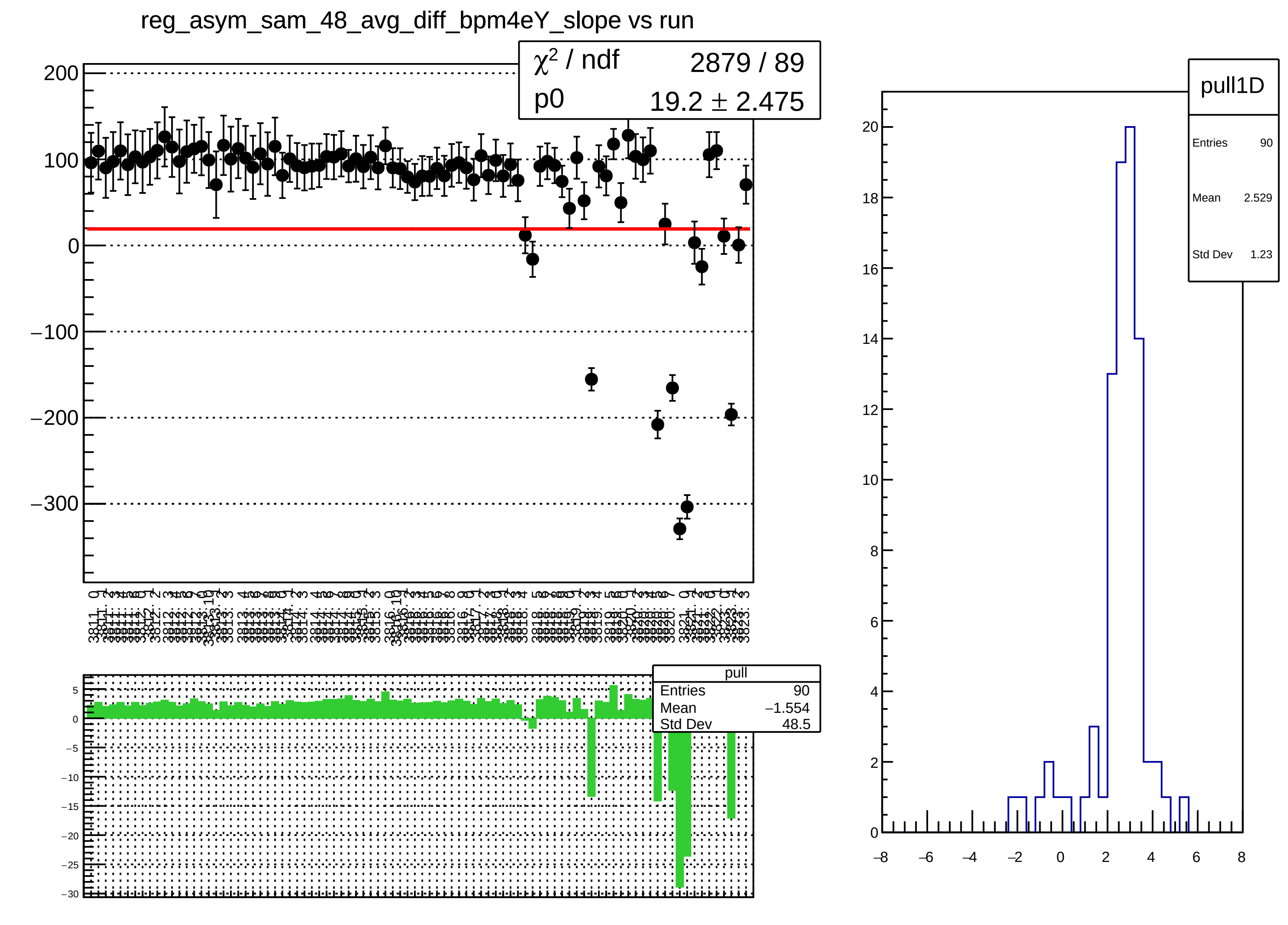


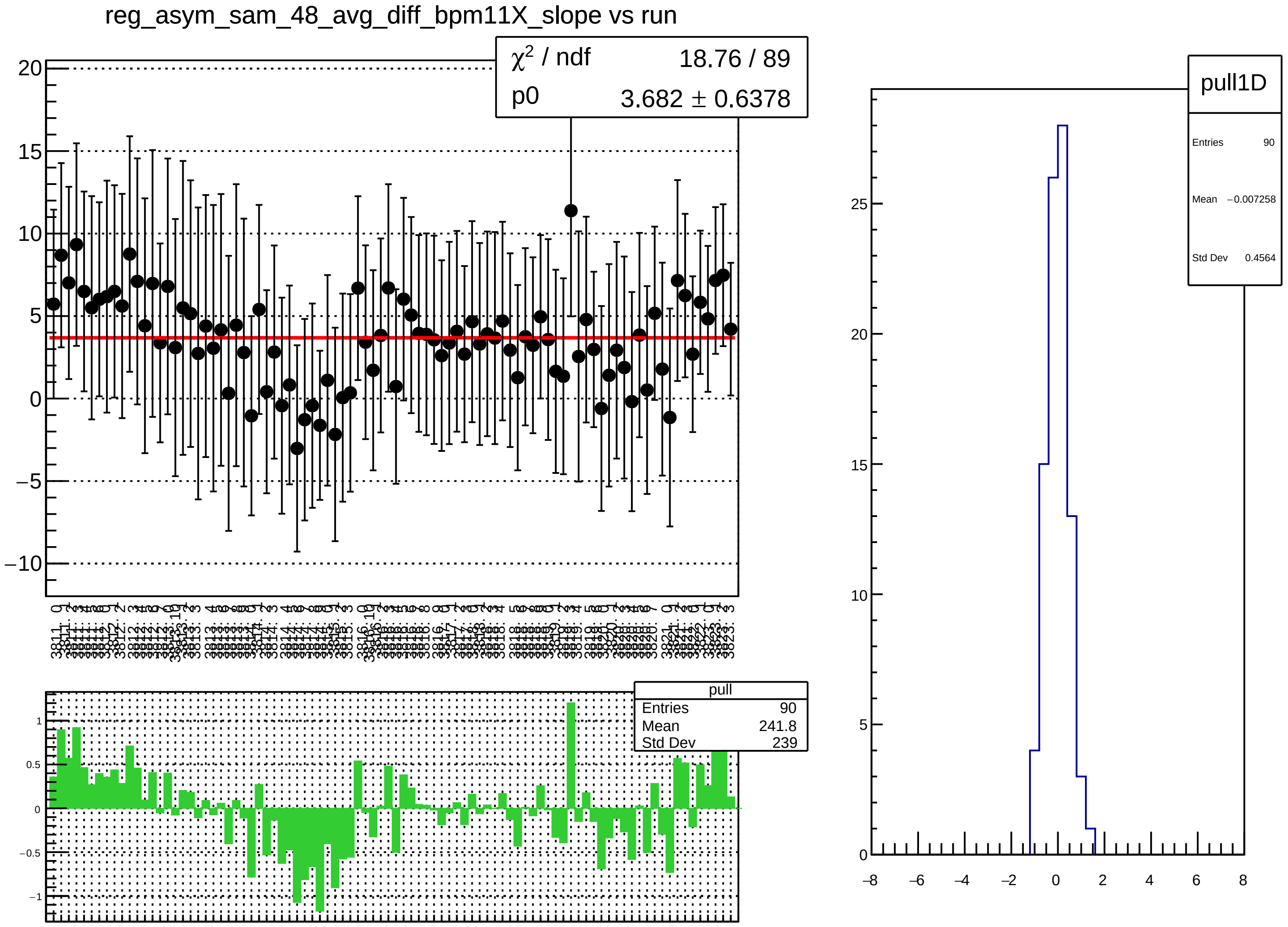
reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ2 / ndf 74.95 / 89
p0 50.8 ± 2.538
pull
Entries 90
Mean 130.7
Std Dev 46.5
pull1D
Entries 90
Mean −0.02677
Std Dev 0.9122



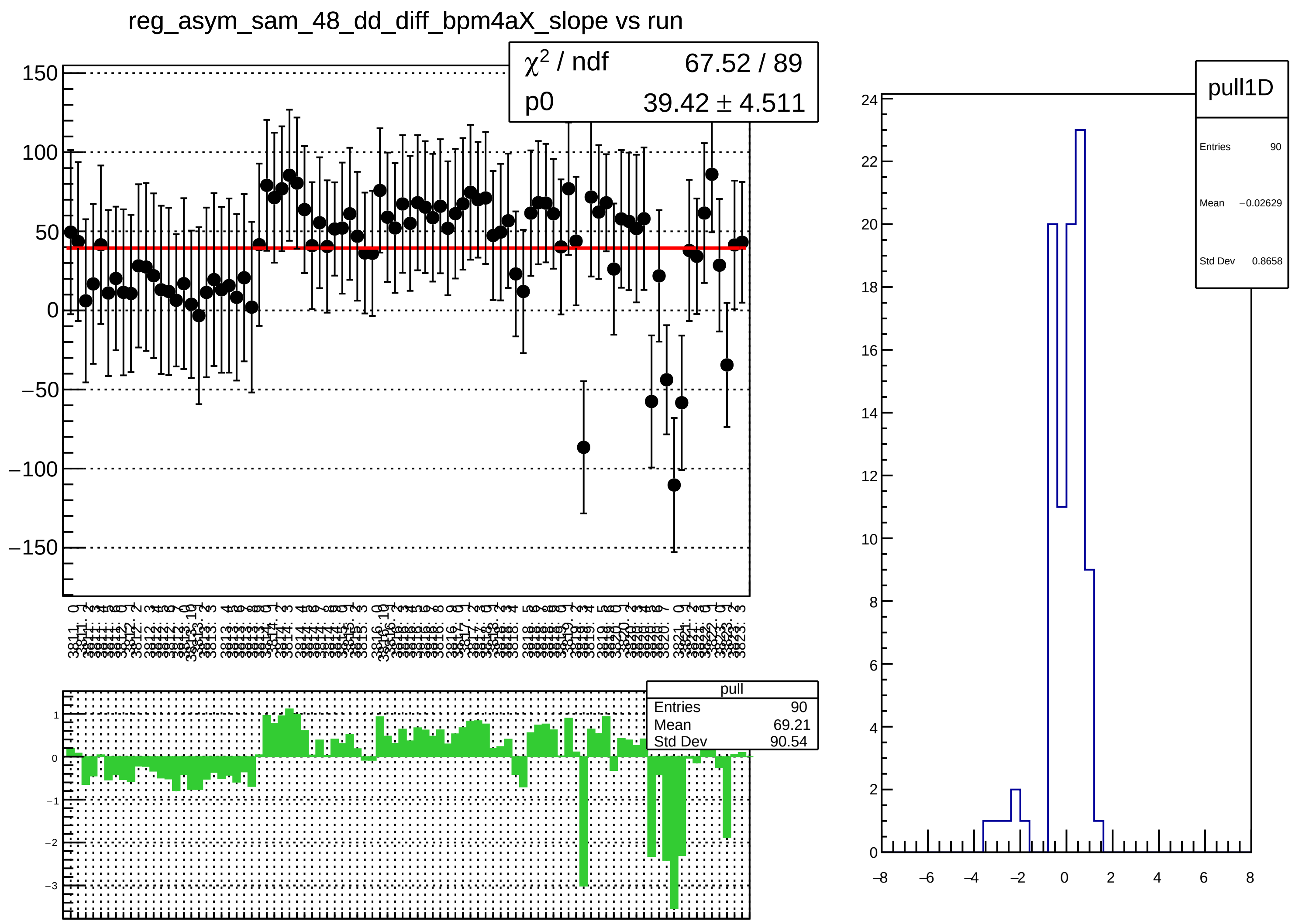
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ2 / ndf 3084 / 89
p0 57.22 ± 1.582
pull
Entries 90
Mean −16.85
Std Dev 65.62
pull1D
Entries 90
Mean −2.472
Std Dev 1.567


reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 992.5 / 89
p0 −222 ± 0.4531
pull
Entries 90
Mean −71.31
Std Dev 134.2
pull1D
Entries 90
Mean −0.8045
Std Dev 2.274

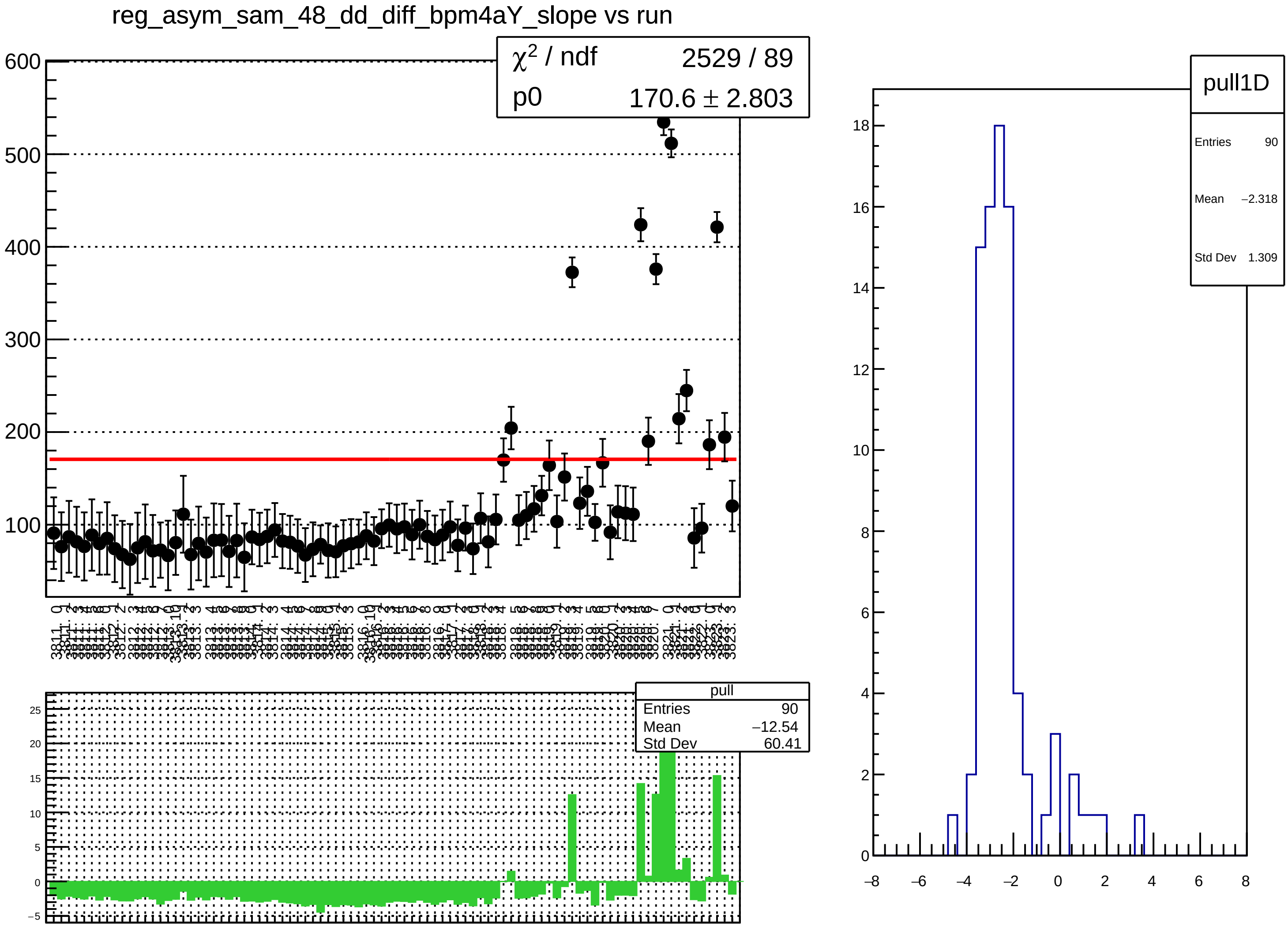

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2879 / 89
p0 19.2 ± 2.475
pull
Entries 90
Mean −1.554
Std Dev 48.5
pull1D
Entries 90
Mean 2.529
Std Dev 1.23



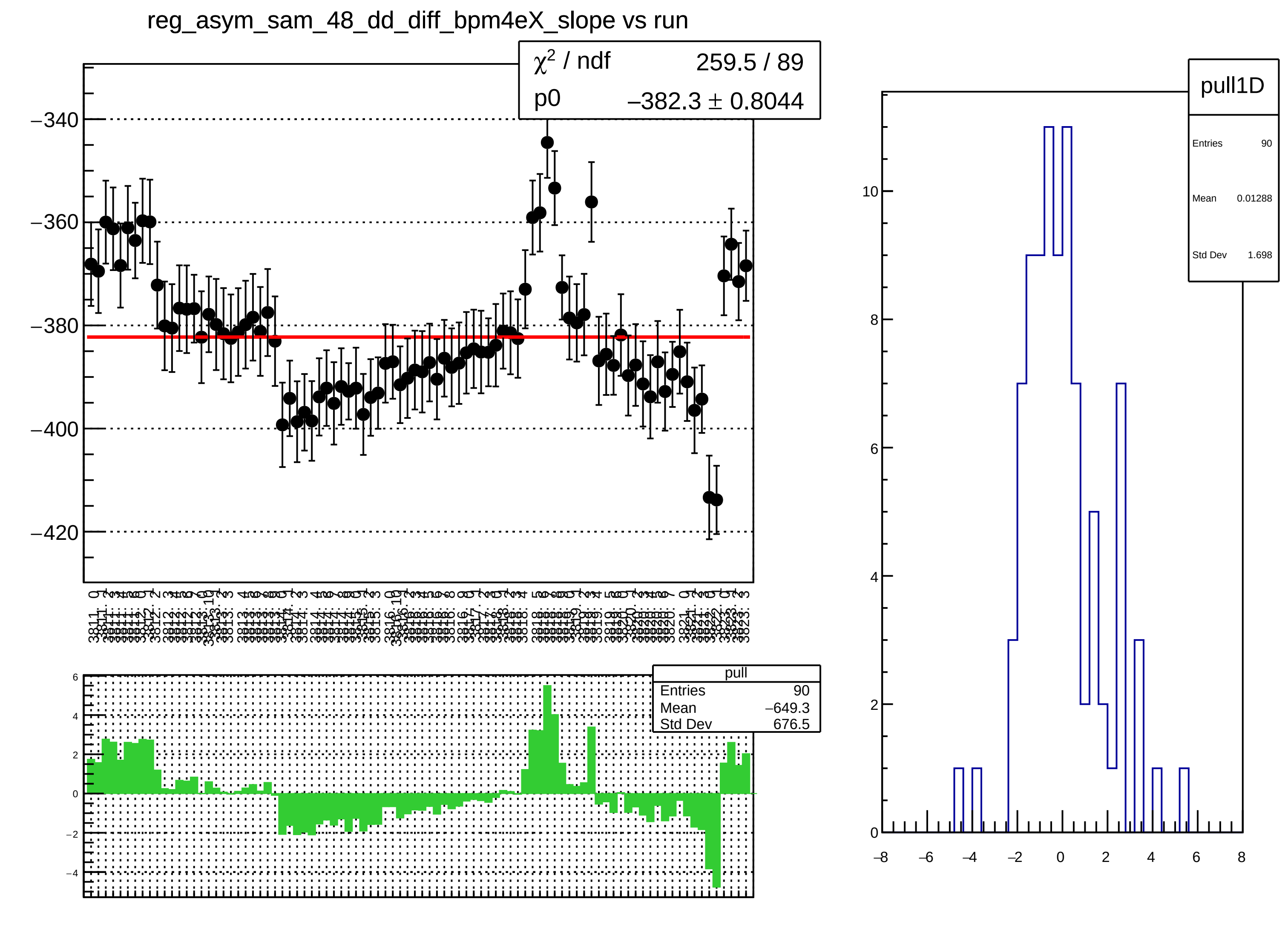
reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ^2 / ndf 18.76 / 89
p0 3.682 ± 0.6378
pull
Entries 90
Mean 241.8
Std Dev 239
pull1D
Entries 90
Mean −0.007258
Std Dev 0.4564



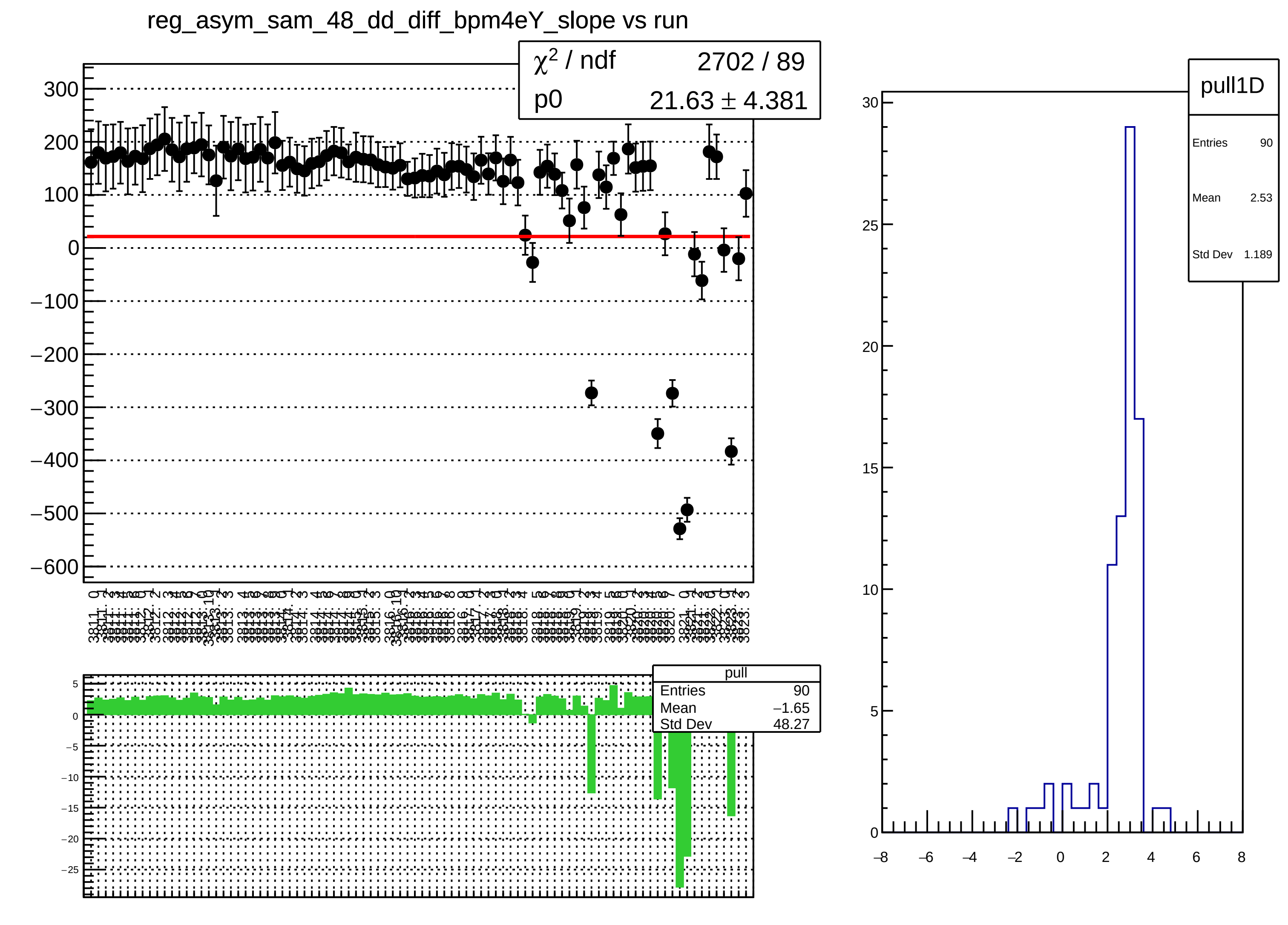
reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 67.52 / 89
p0 39.42 ± 4.511
pull
Entries 90
Mean 69.21
Std Dev 90.54
pull1D
Entries 90
Mean −0.02629
Std Dev 0.8658



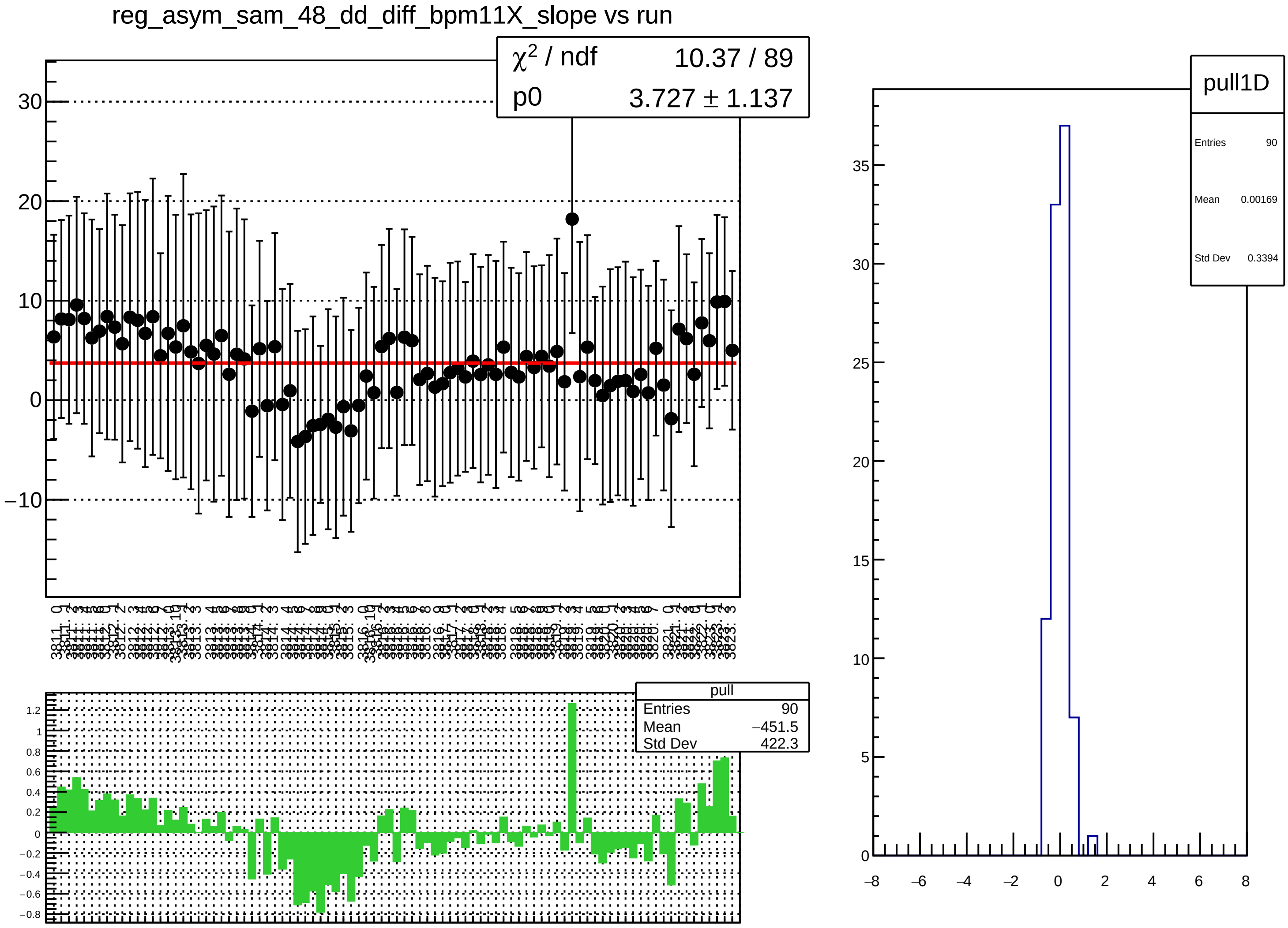
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2529 / 89
p0 170.6 ± 2.803
pull
Entries 90
Mean −12.54
Std Dev 60.41
pull1D
Entries 90
Mean −2.318
Std Dev 1.309

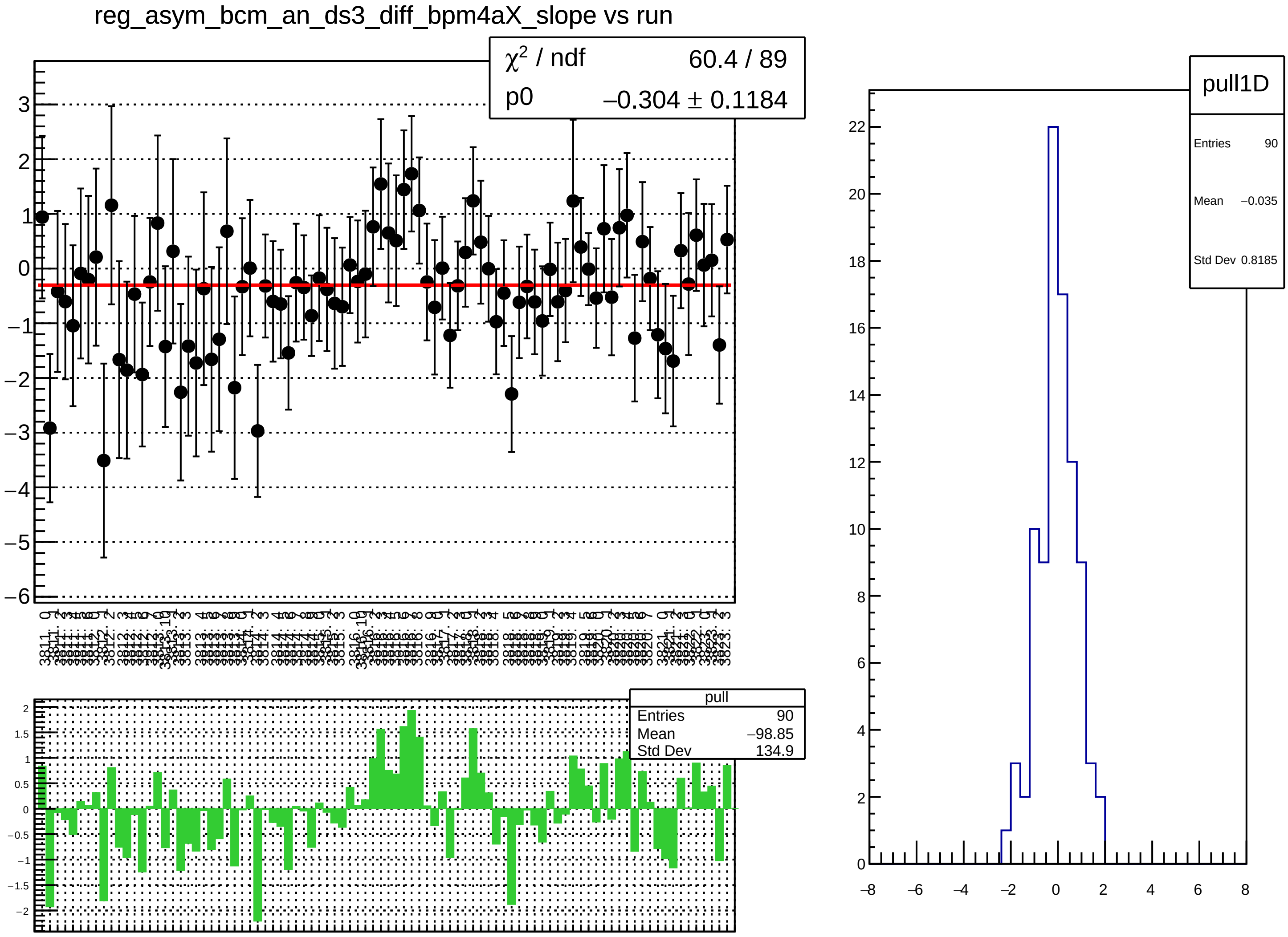


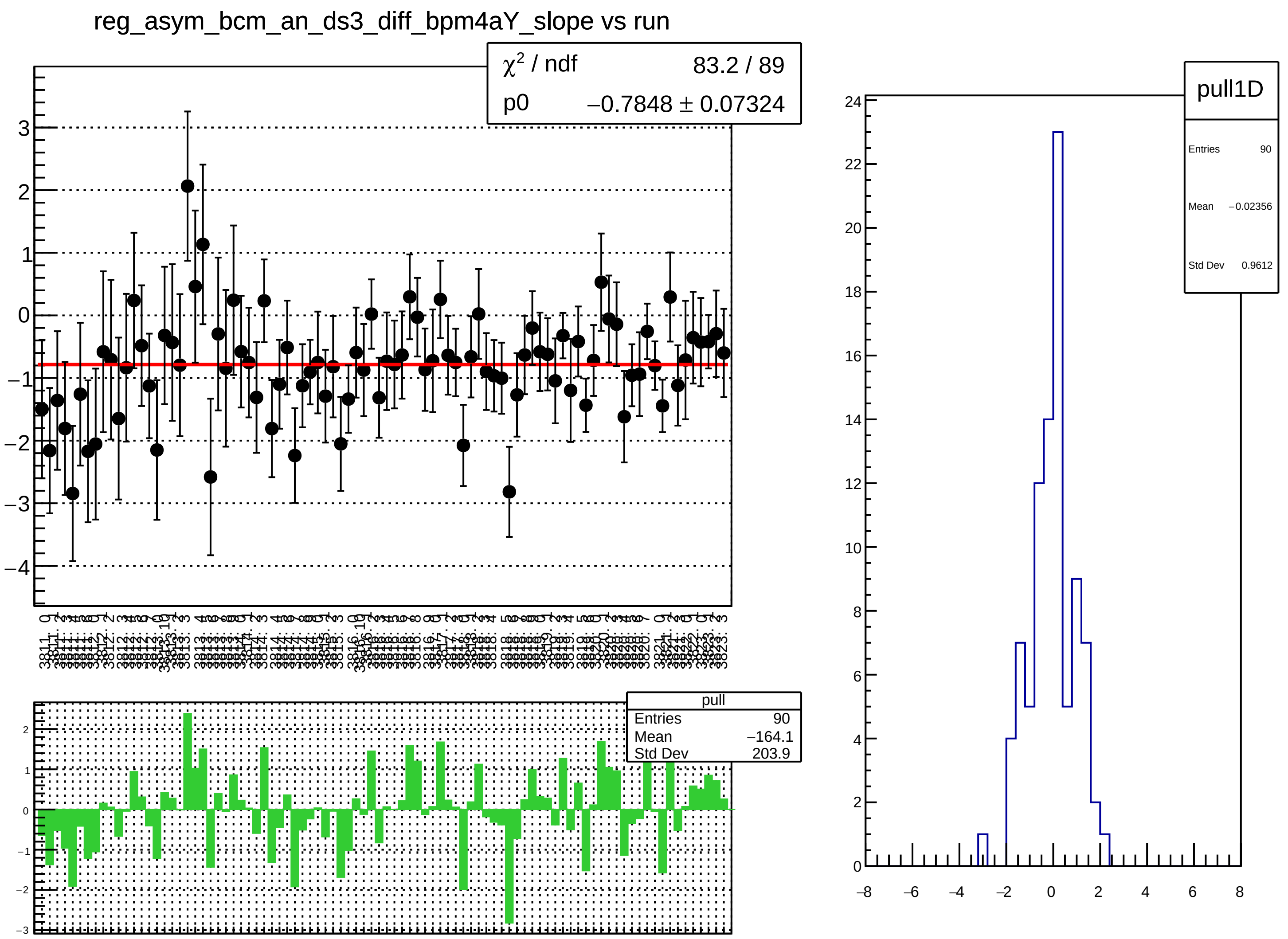
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 259.5 / 89
p0 −382.3 ± 0.8044
−340
−360
−380
−400
−420
pull
Entries 90
Mean −649.3
Std Dev 676.5
pull1D
Entries 90
Mean 0.01288
Std Dev 1.698



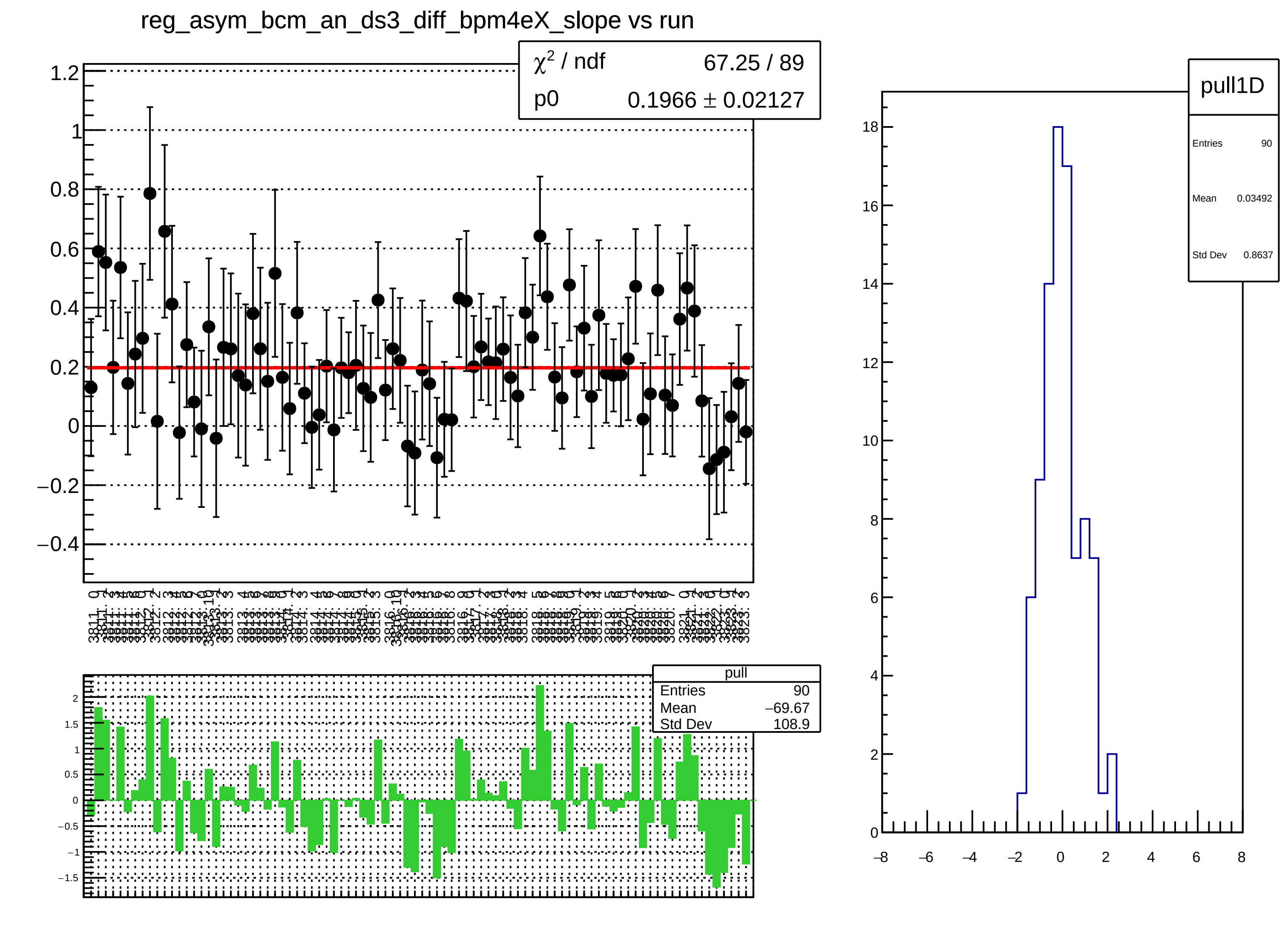
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2702 / 89
p0 21.63 ± 4.381
pull
Entries 90
Mean −1.65
Std Dev 48.27
pull1D
Entries 90
Mean 2.53
Std Dev 1.189


reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ^2 / ndf 10.37 / 89
p0 3.727 ± 1.137
pull
Entries 90
Mean −451.5
Std Dev 422.3
pull1D
Entries 90
Mean 0.00169
Std Dev 0.3394

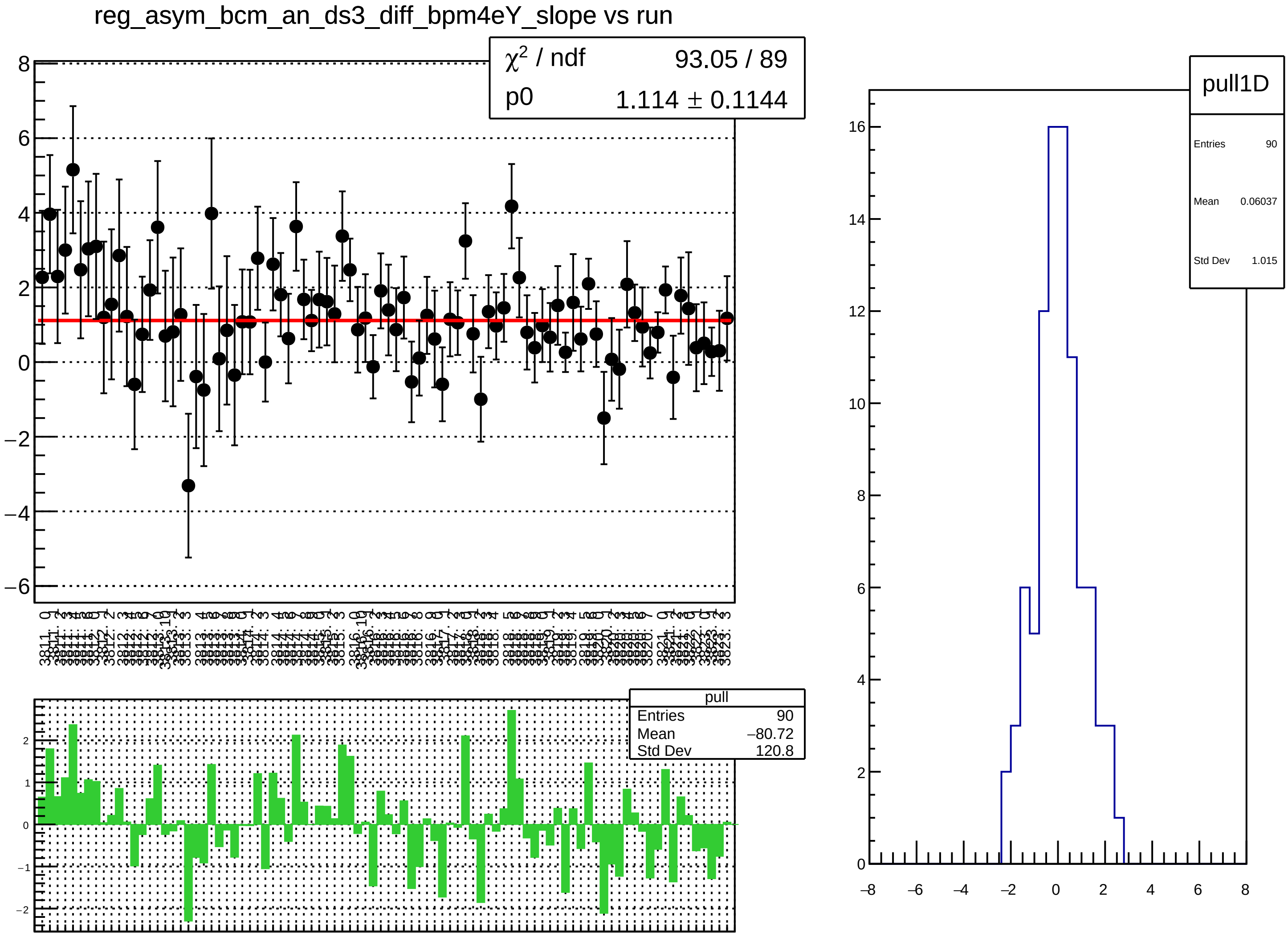

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ^2 / ndf 60.4 / 89
p0 −0.304 ± 0.1184
pull
Entries 90
Mean −98.85
Std Dev 134.9
pull1D
Entries 90
Mean −0.035
Std Dev 0.8185



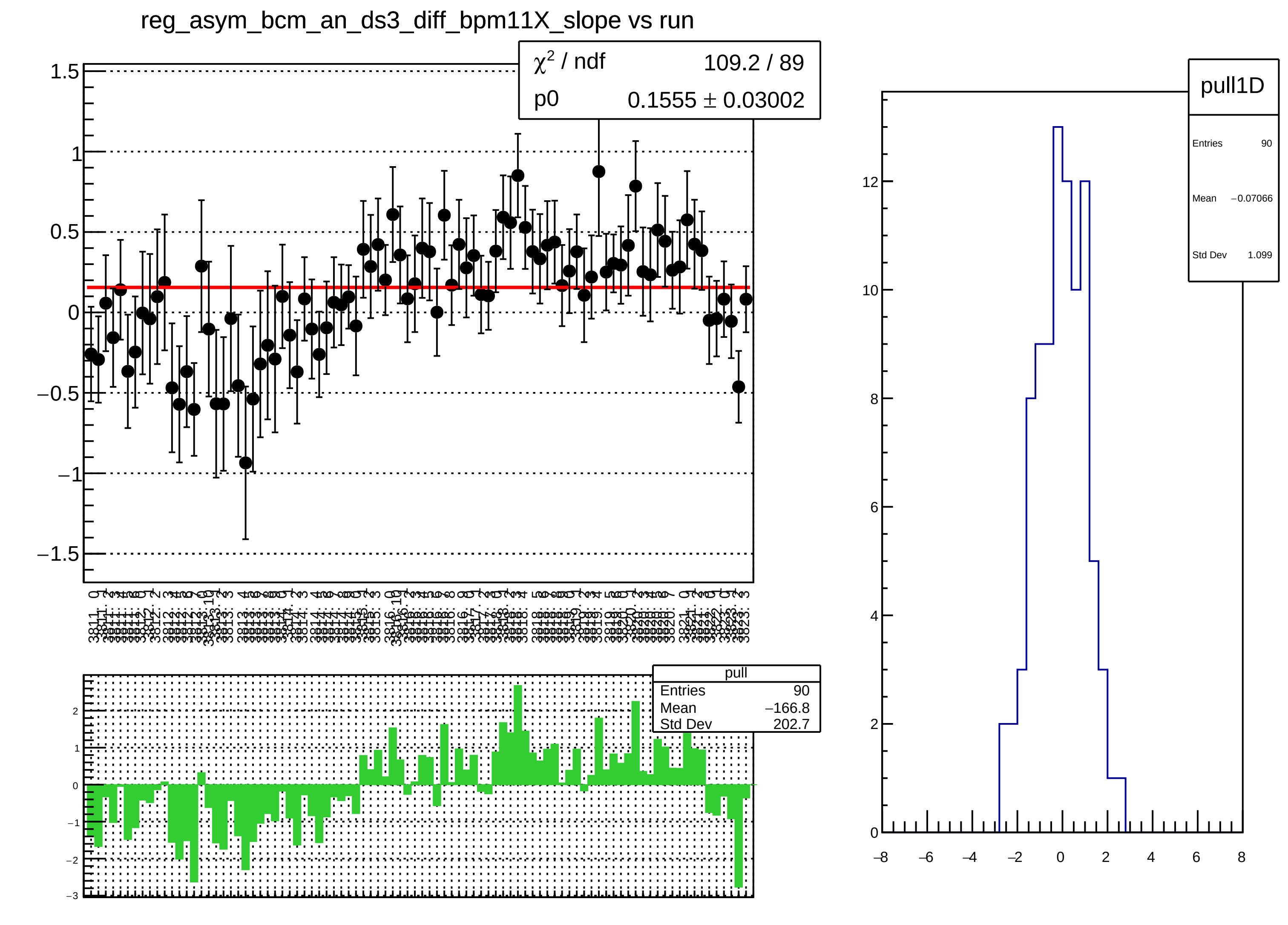
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 83.2 / 89
p0 −0.7848 ± 0.07324
pull
Entries 90
Mean −164.1
Std Dev 203.9
pull1D
Entries 90
Mean −0.02356
Std Dev 0.9612



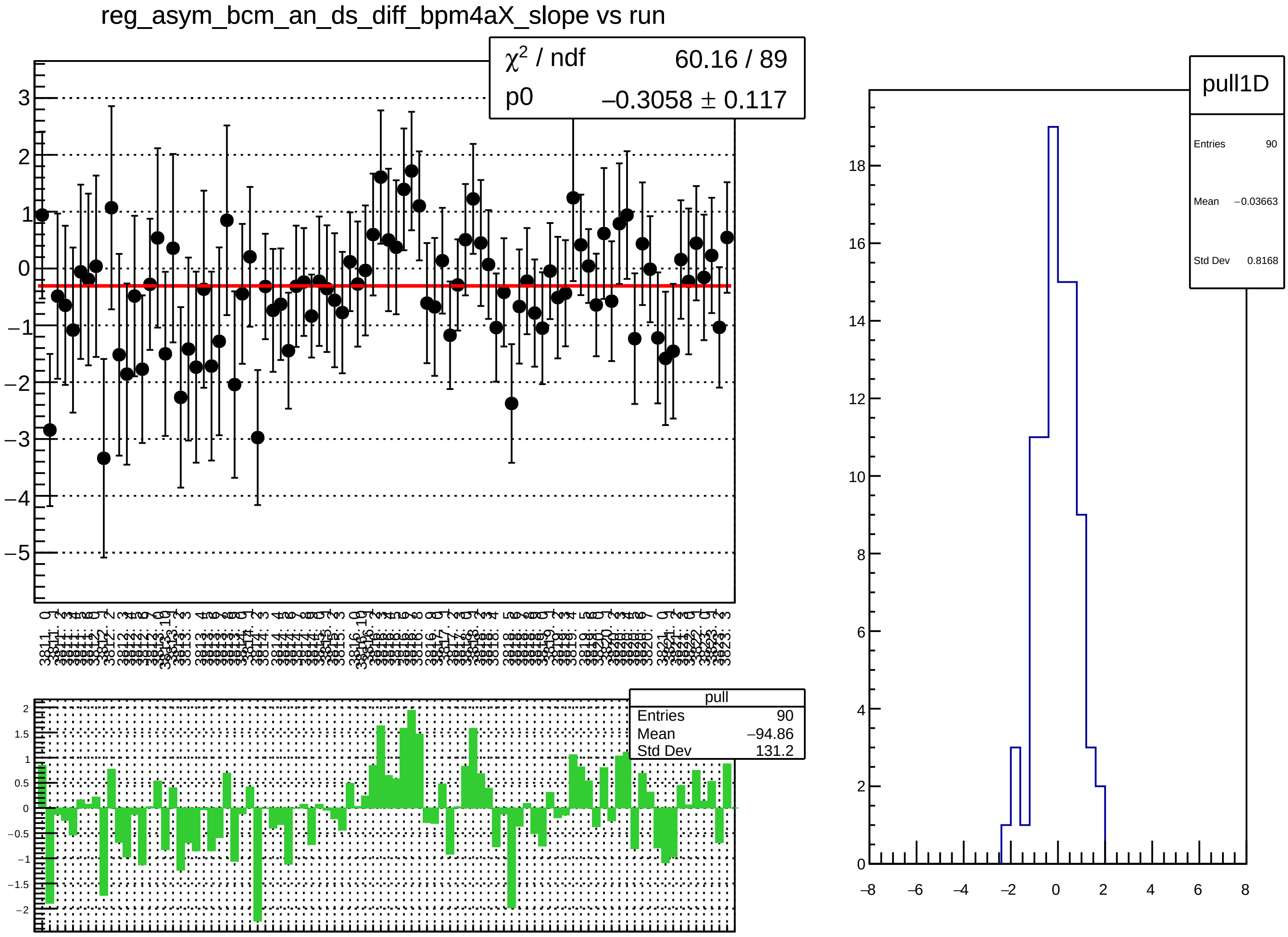
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ2 / ndf 67.25 / 89
p0 0.1966 ± 0.02127
pull
Entries 90
Mean −69.67
Std Dev 108.9
pull1D
Entries 90
Mean 0.03492
Std Dev 0.8637

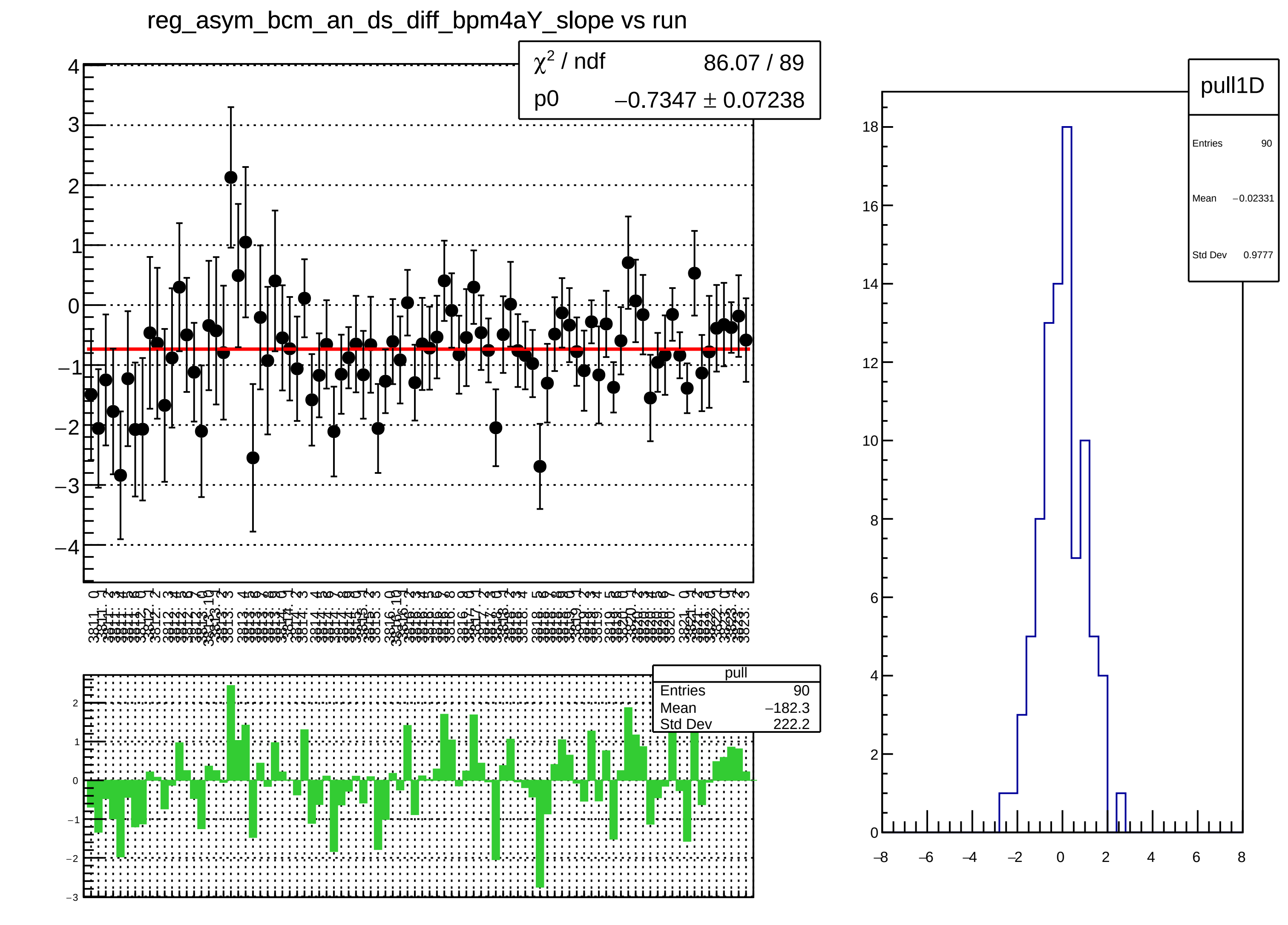


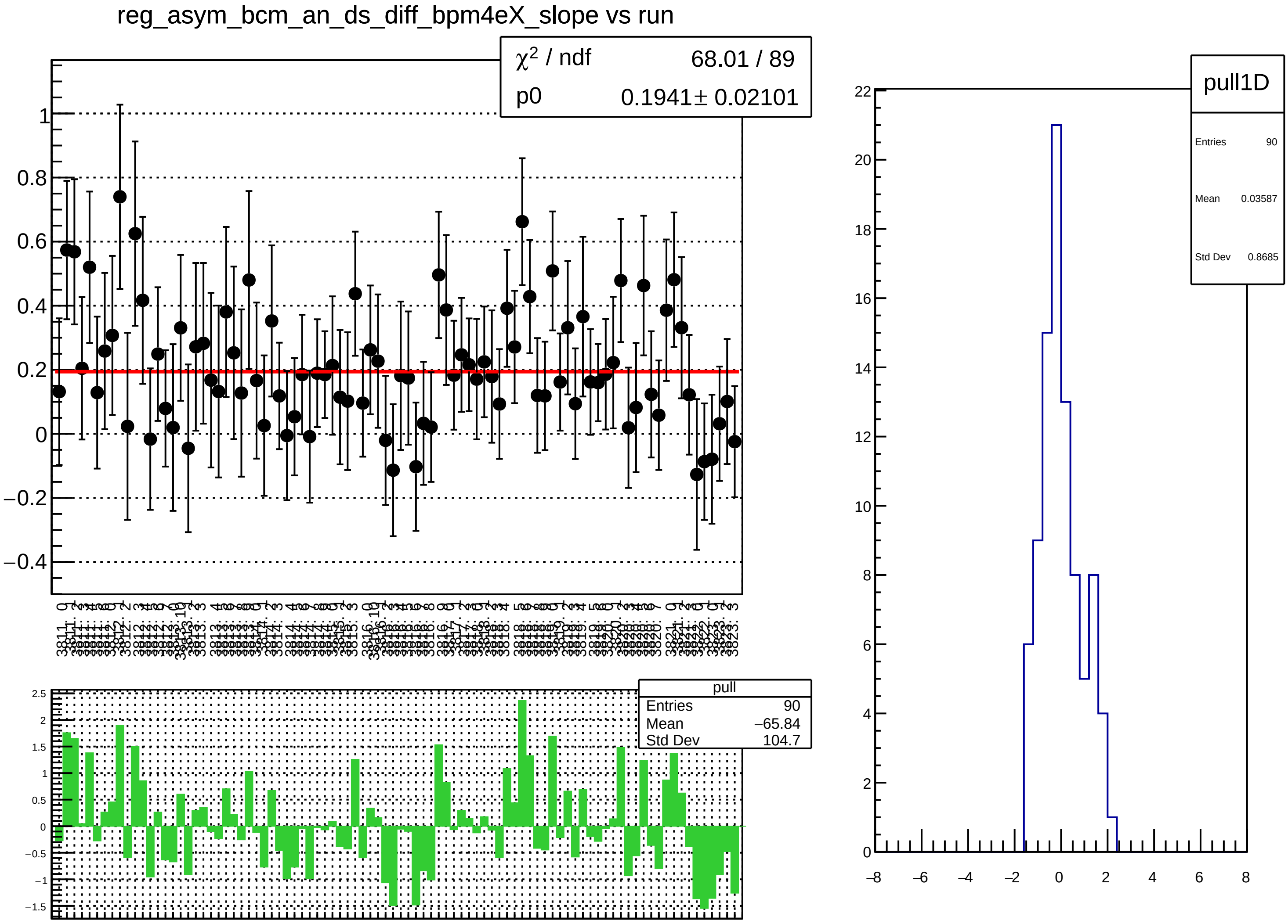
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 93.05 / 89
p0 1.114 ± 0.1144
pull
Entries 90
Mean −80.72
Std Dev 120.8
pull1D
Entries 90
Mean 0.06037
Std Dev 1.015



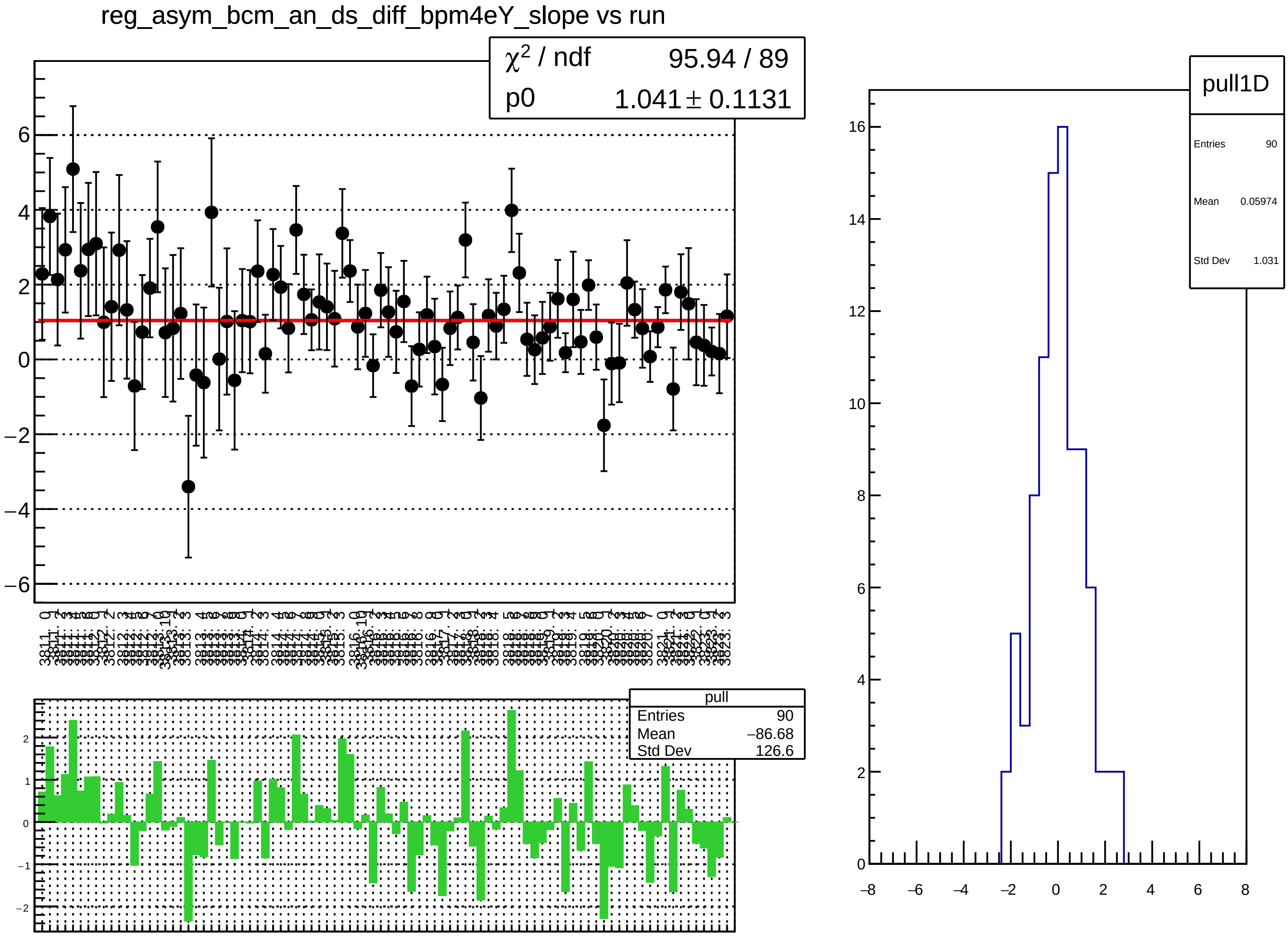
reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ^2 / ndf 109.2 / 89
p0 0.1555 ± 0.03002
pull
Entries 90
Mean −166.8
Std Dev 202.7
pull1D
Entries 90
Mean −0.07066
Std Dev 1.099


reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 60.16 / 89
p0 −0.3058 ± 0.117
pull
Entries 90
Mean −94.86
Std Dev 131.2
pull1D
Entries 90
Mean −0.03663
Std Dev 0.8168


reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ2 / ndf 86.07 / 89
p0 −0.7347 ± 0.07238
pull
Entries 90
Mean −182.3
Std Dev 222.2
pull1D
Entries 90
Mean −0.02331
Std Dev 0.9777

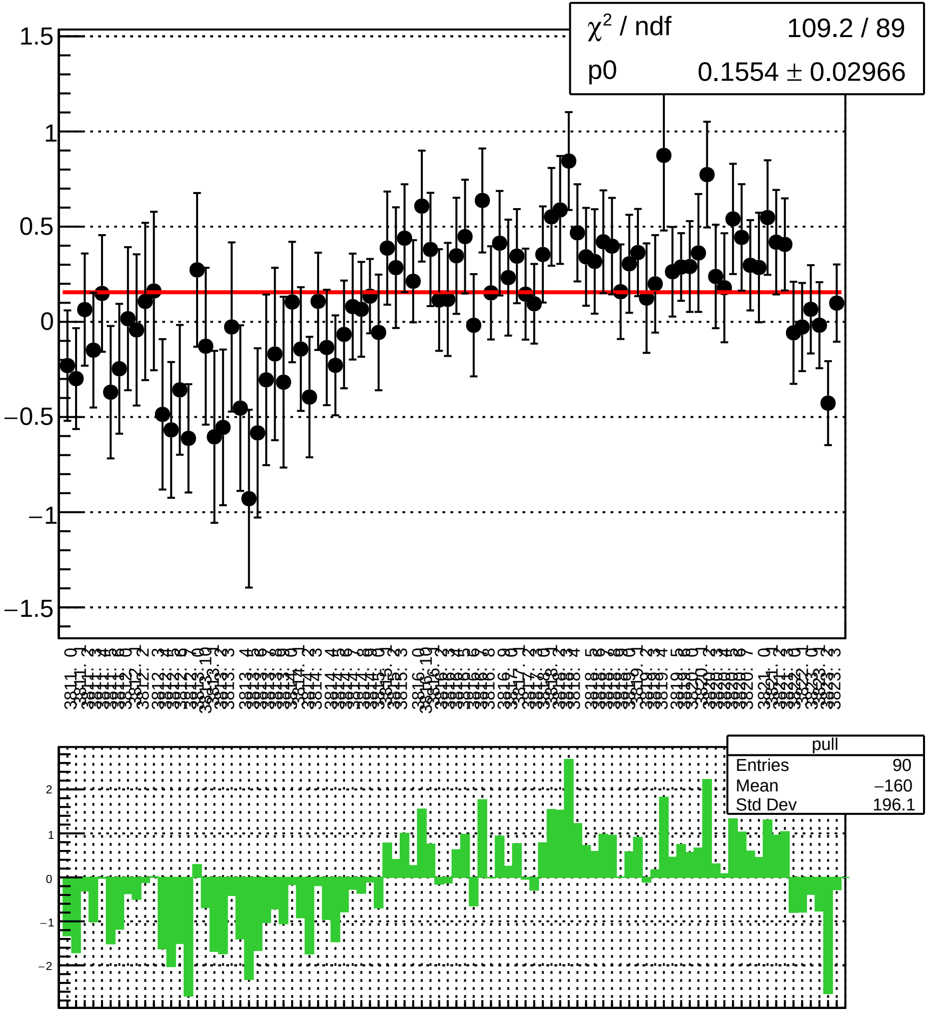


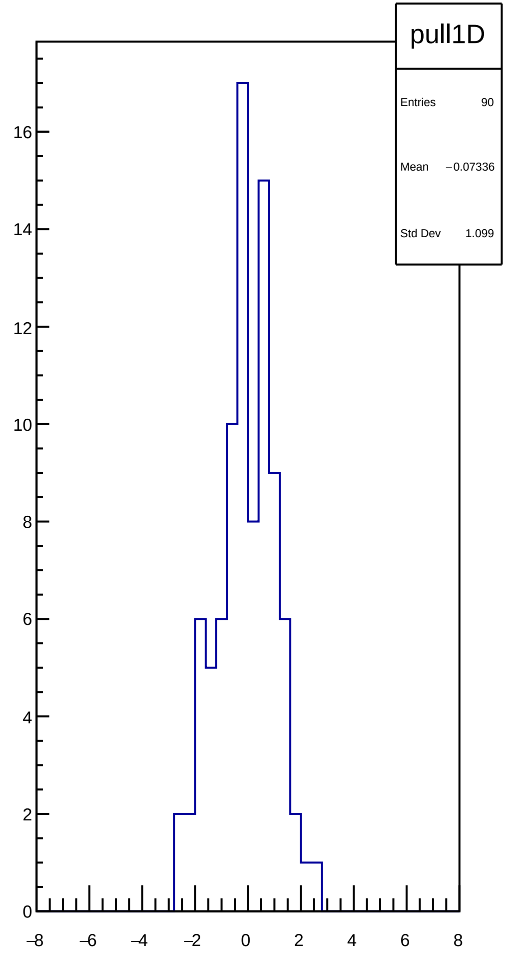
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ2 / ndf 68.01 / 89
p0 0.1941± 0.02101
pull
Entries 90
Mean −65.84
Std Dev 104.7
pull1D
Entries 90
Mean 0.03587
Std Dev 0.8685

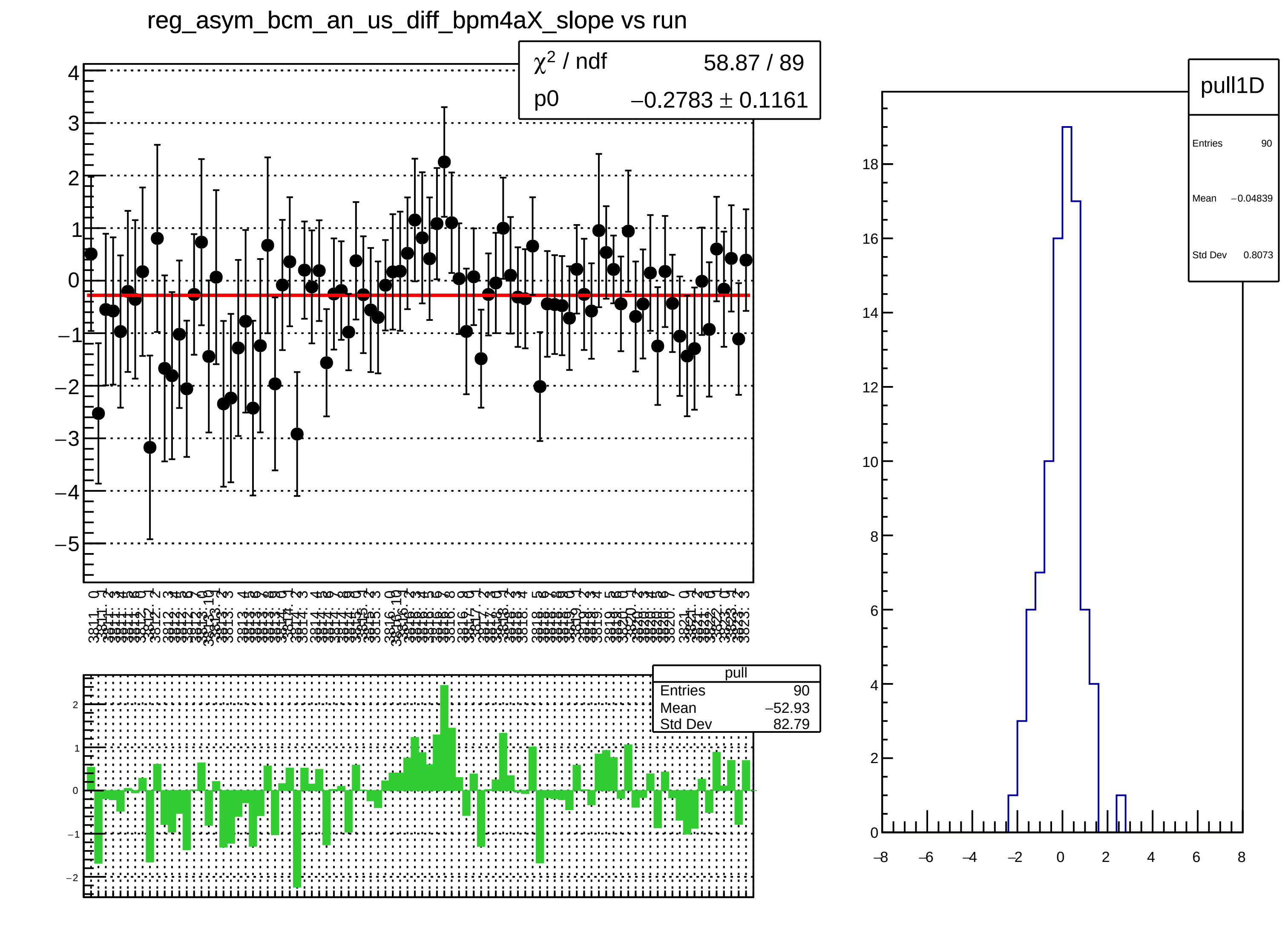


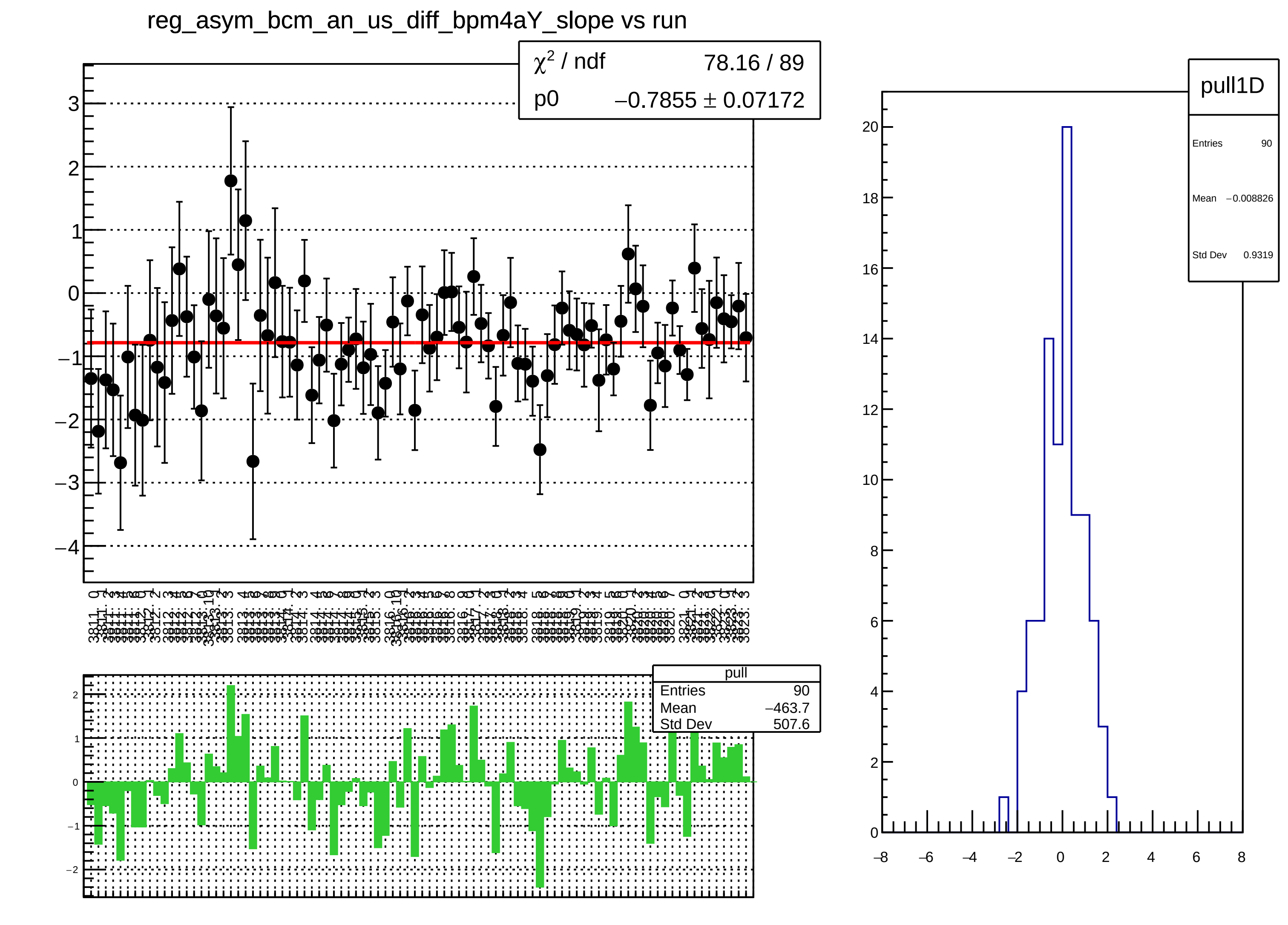
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ2 / ndf 95.94 / 89
p0 1.041 ± 0.1131
pull
Entries 90
Mean −86.68
Std Dev 126.6
pull1D
Entries 90
Mean 0.05974
Std Dev 1.031

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run

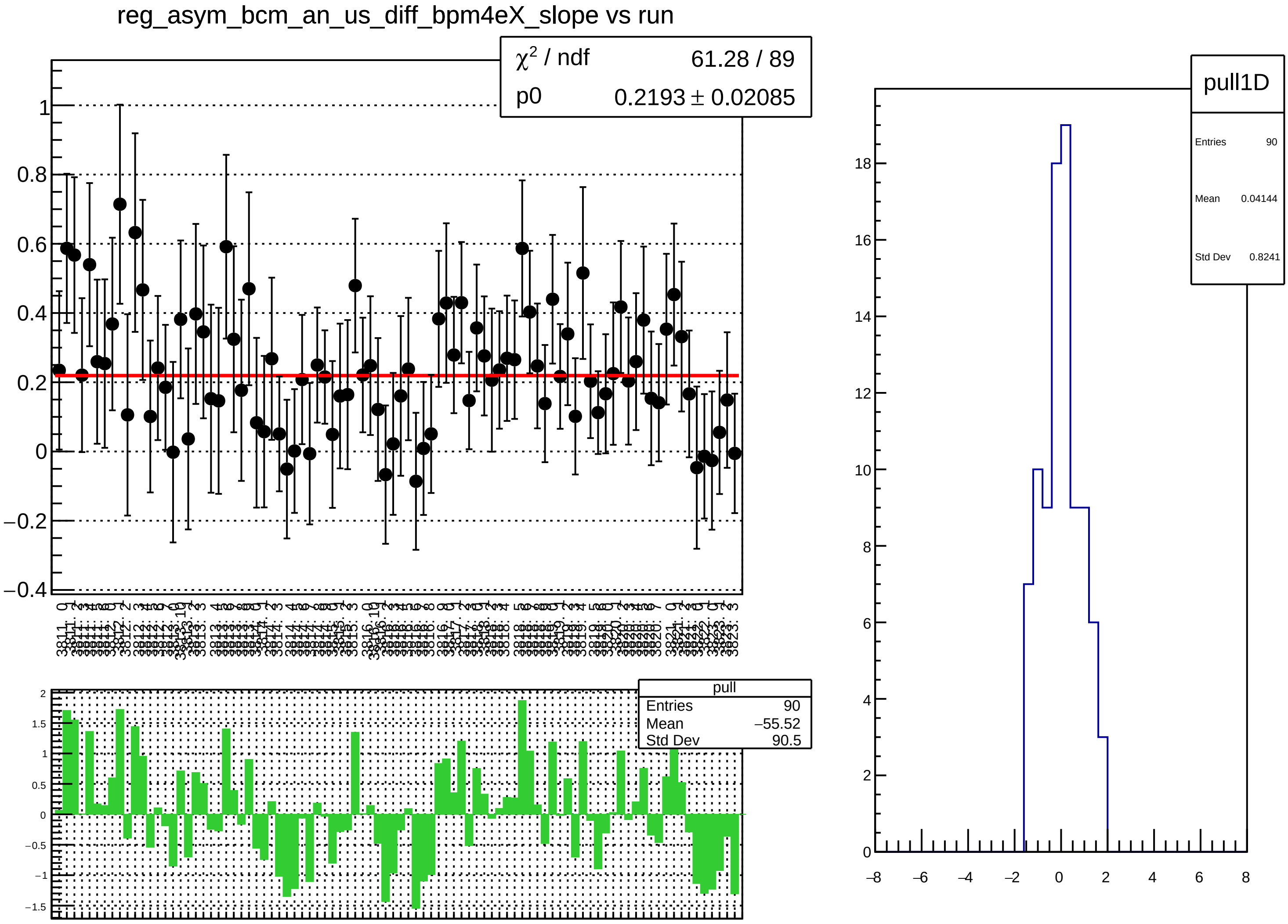




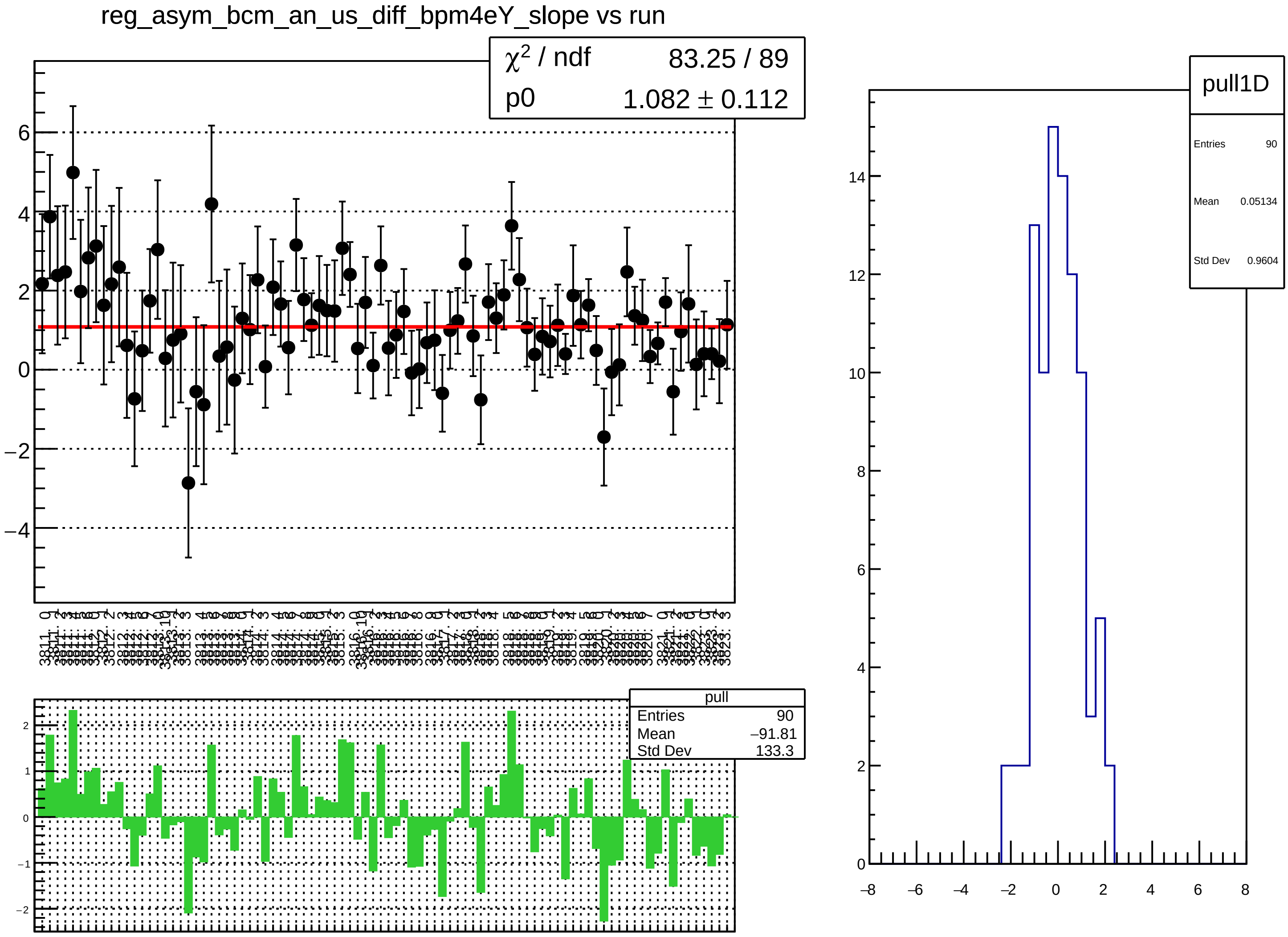

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ^2 / ndf 58.87 / 89
p0 −0.2783 ± 0.1161
pull
Entries 90
Mean −52.93
Std Dev 82.79
pull1D
Entries 90
Mean −0.04839
Std Dev 0.8073

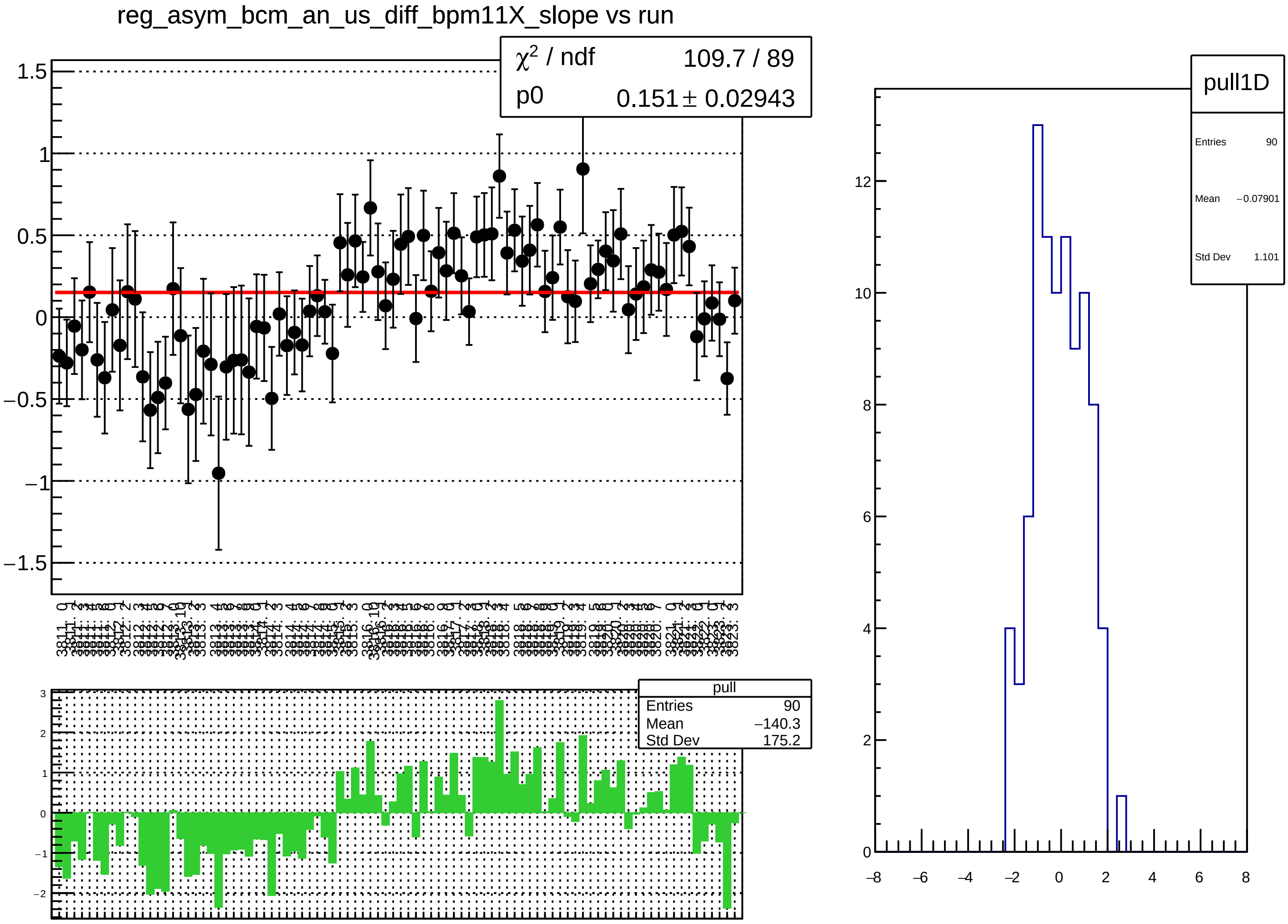


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 78.16 / 89
p0 −0.7855 ± 0.07172
pull
Entries 90
Mean −463.7
Std Dev 507.6
pull1D
Entries 90
Mean −0.008826
Std Dev 0.9319

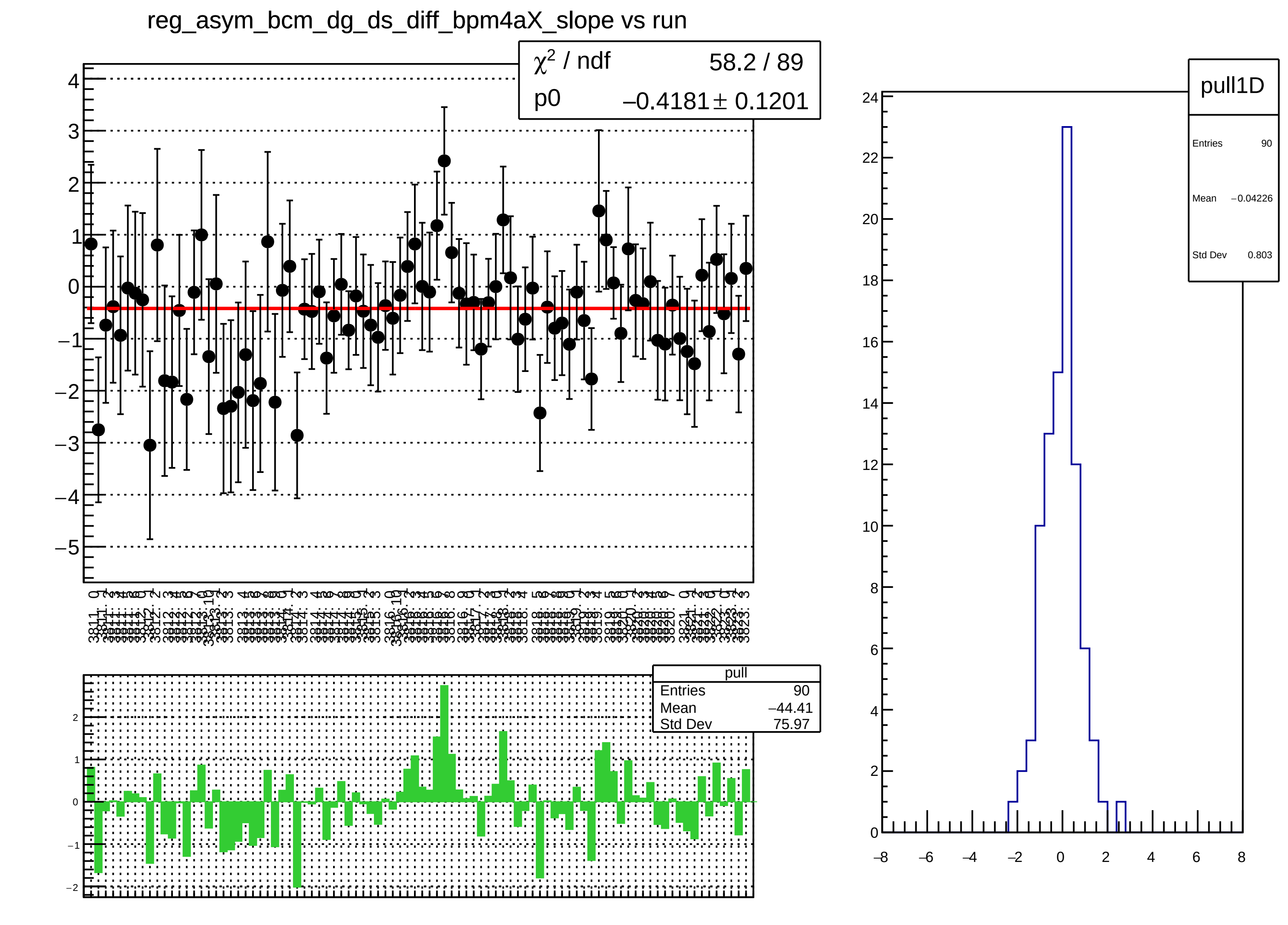


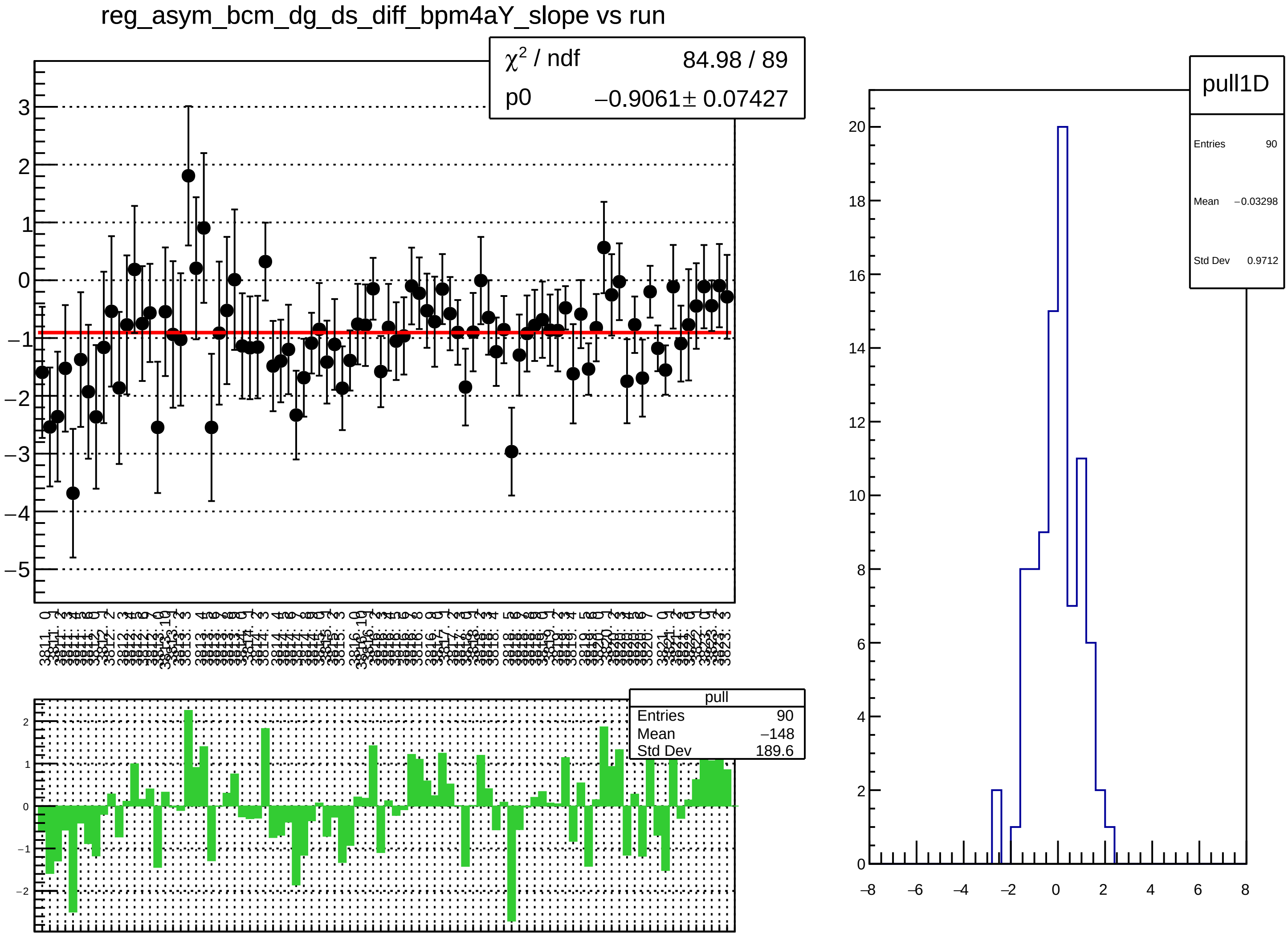
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 61.28 / 89
p0 0.2193 ± 0.02085
pull
Entries 90
Mean −55.52
Std Dev 90.5
pull1D
Entries 90
Mean 0.04144
Std Dev 0.8241

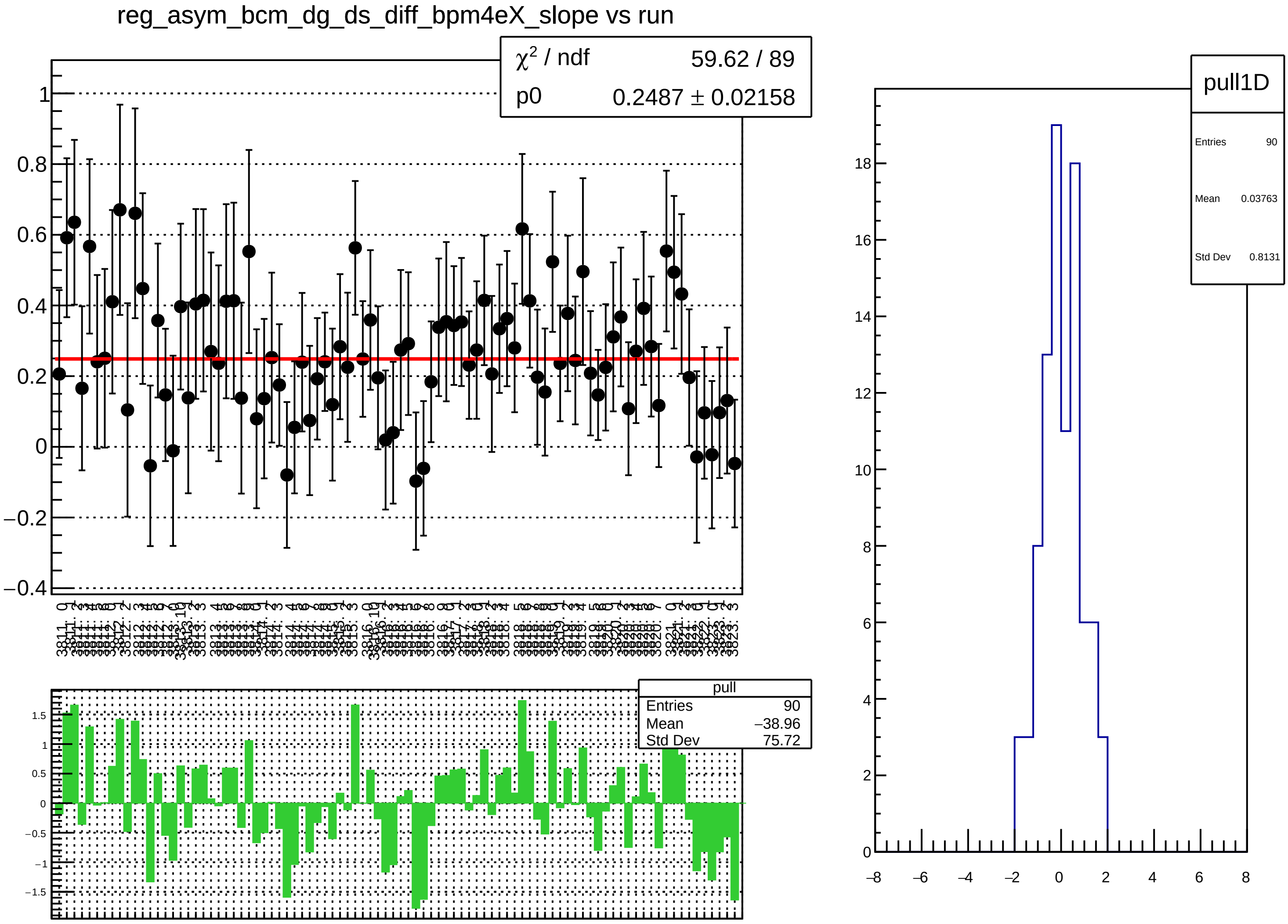

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 83.25 / 89
p0 1.082 ± 0.112
pull
Entries 90
Mean −91.81
Std Dev 133.3
pull1D
Entries 90
Mean 0.05134
Std Dev 0.9604



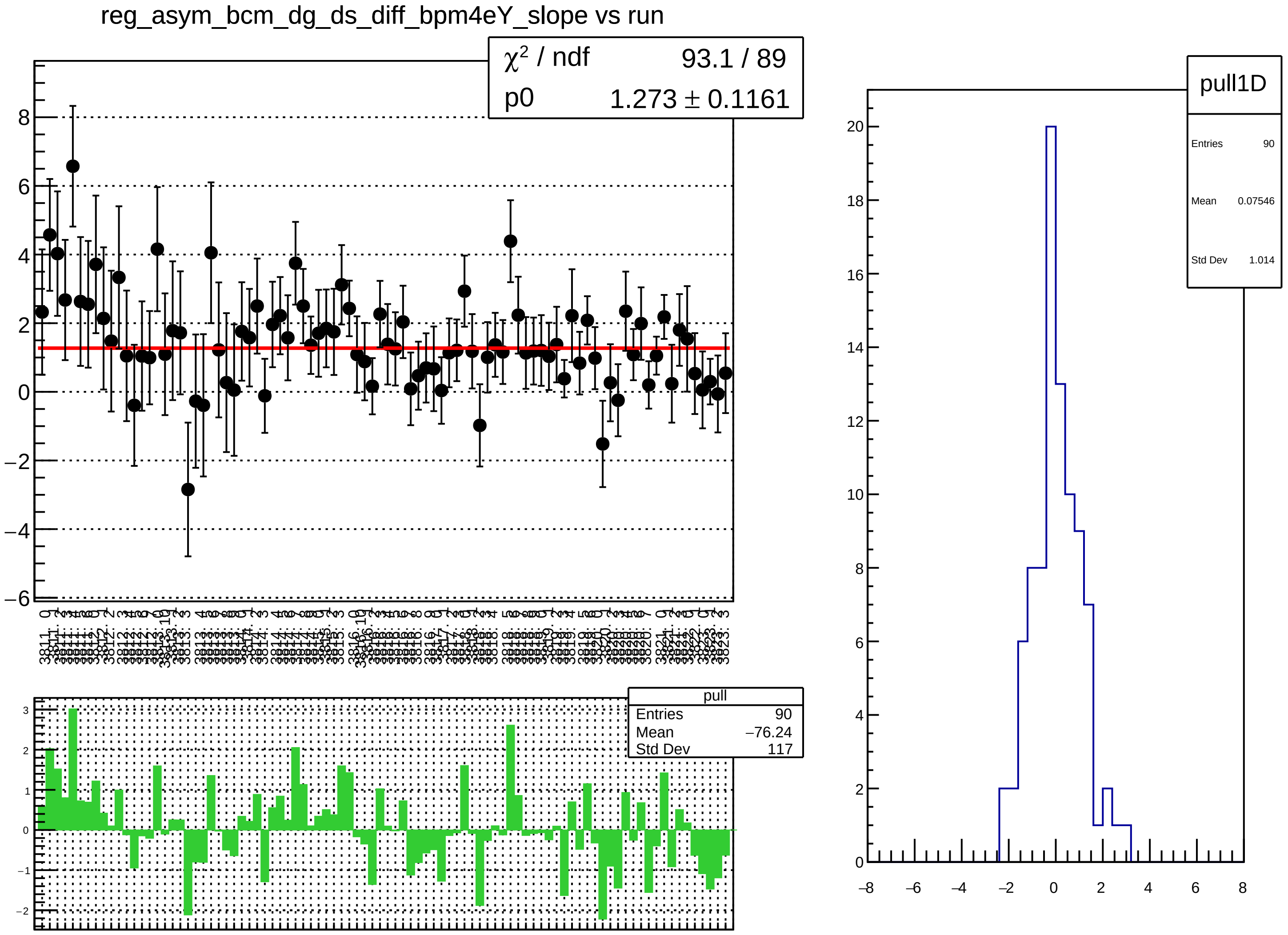
reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ^2 / ndf 109.7 / 89
p0 0.151 ± 0.02943
pull
Entries 90
Mean −140.3
Std Dev 175.2
pull1D
Entries 90
Mean −0.07901
Std Dev 1.101


reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 58.2 / 89
p0 −0.4181 ± 0.1201
pull
Entries 90
Mean −44.41
Std Dev 75.97
pull1D
Entries 90
Mean −0.04226
Std Dev 0.803

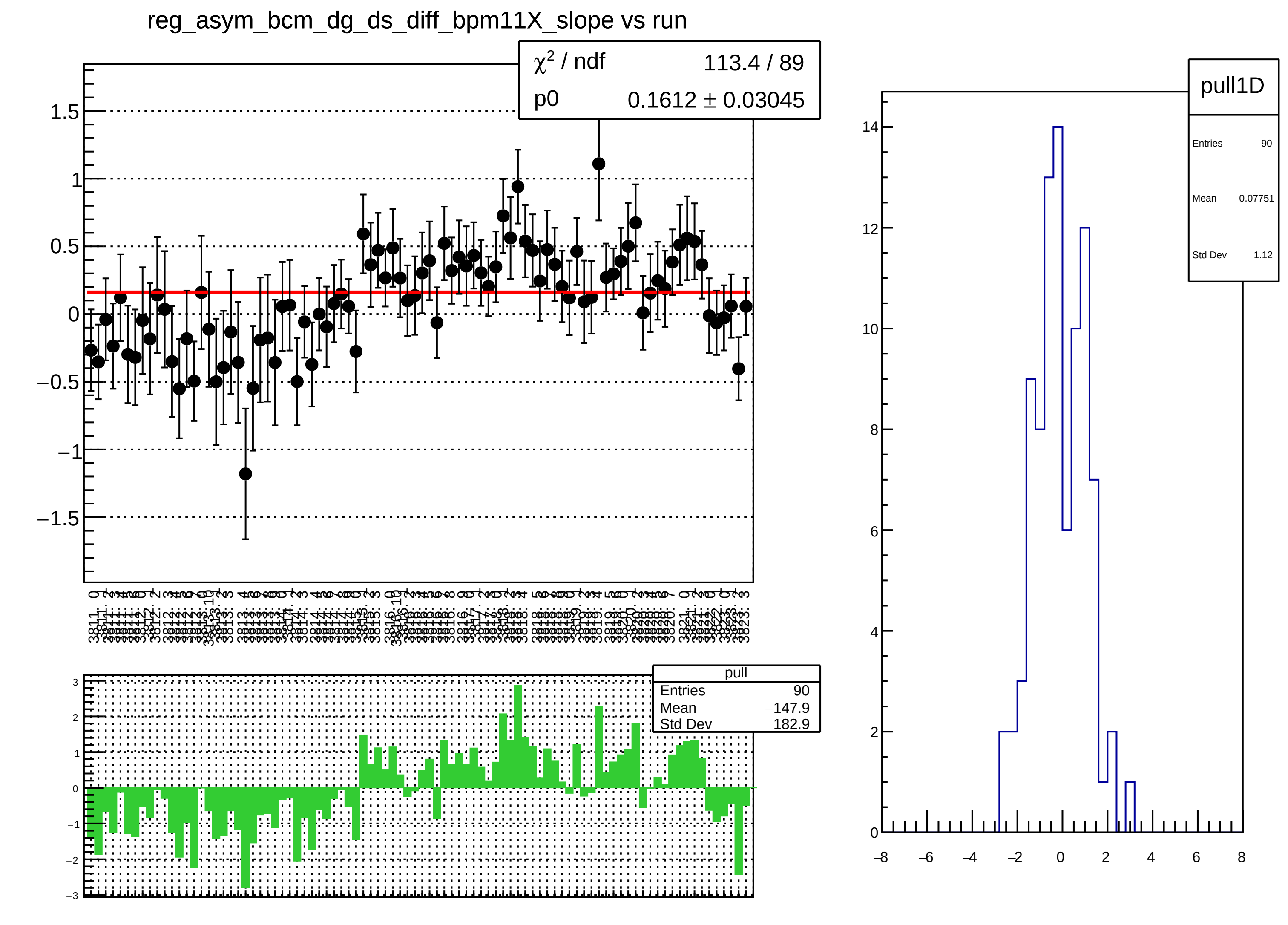

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ2 / ndf 84.98 / 89
p0 −0.9061± 0.07427
pull
Entries 90
Mean −148
Std Dev 189.6
pull1D
Entries 90
Mean −0.03298
Std Dev 0.9712



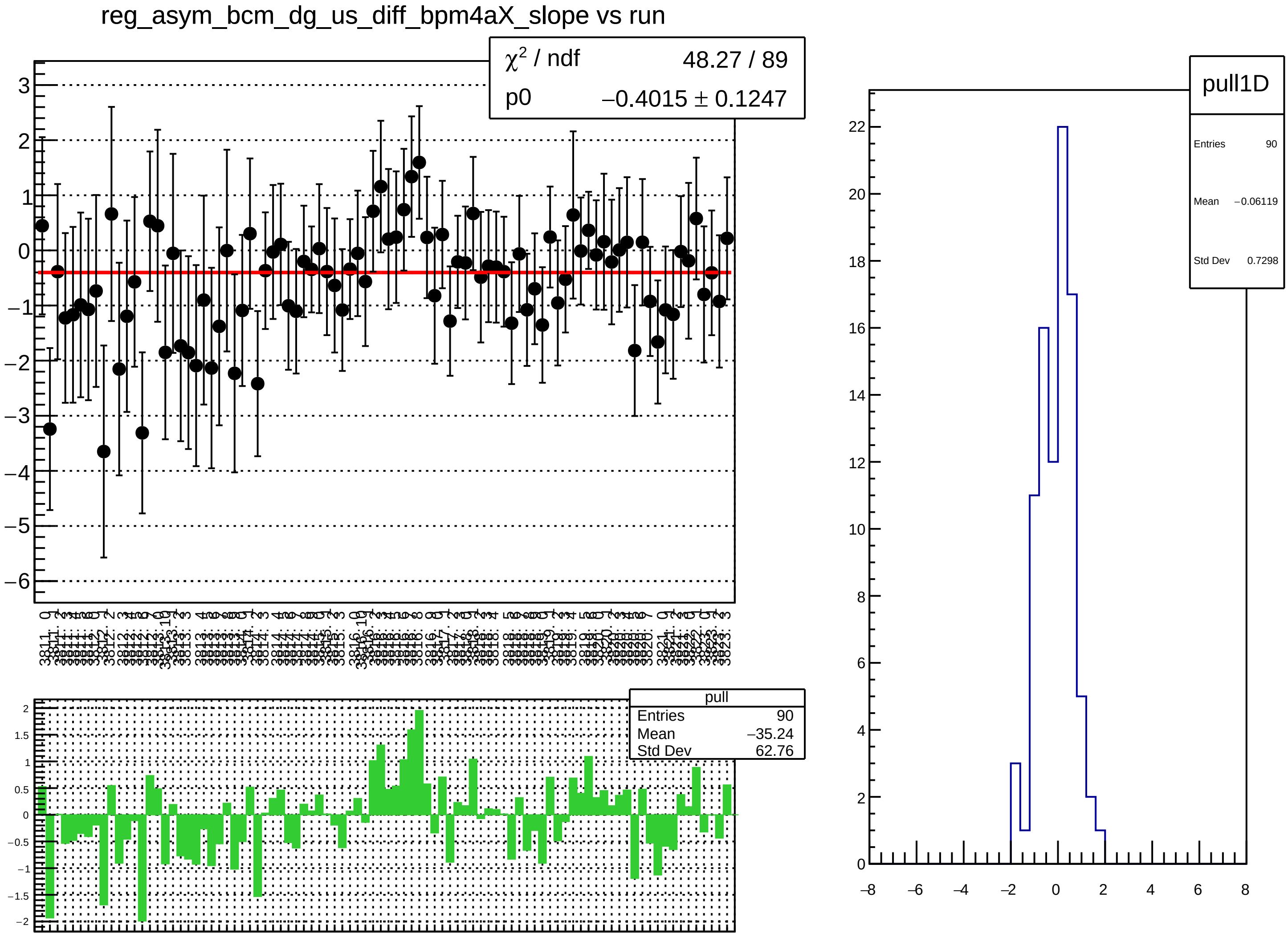
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 59.62 / 89
p0 0.2487 ± 0.02158
pull
Entries 90
Mean −38.96
Std Dev 75.72
pull1D
Entries 90
Mean 0.03763
Std Dev 0.8131



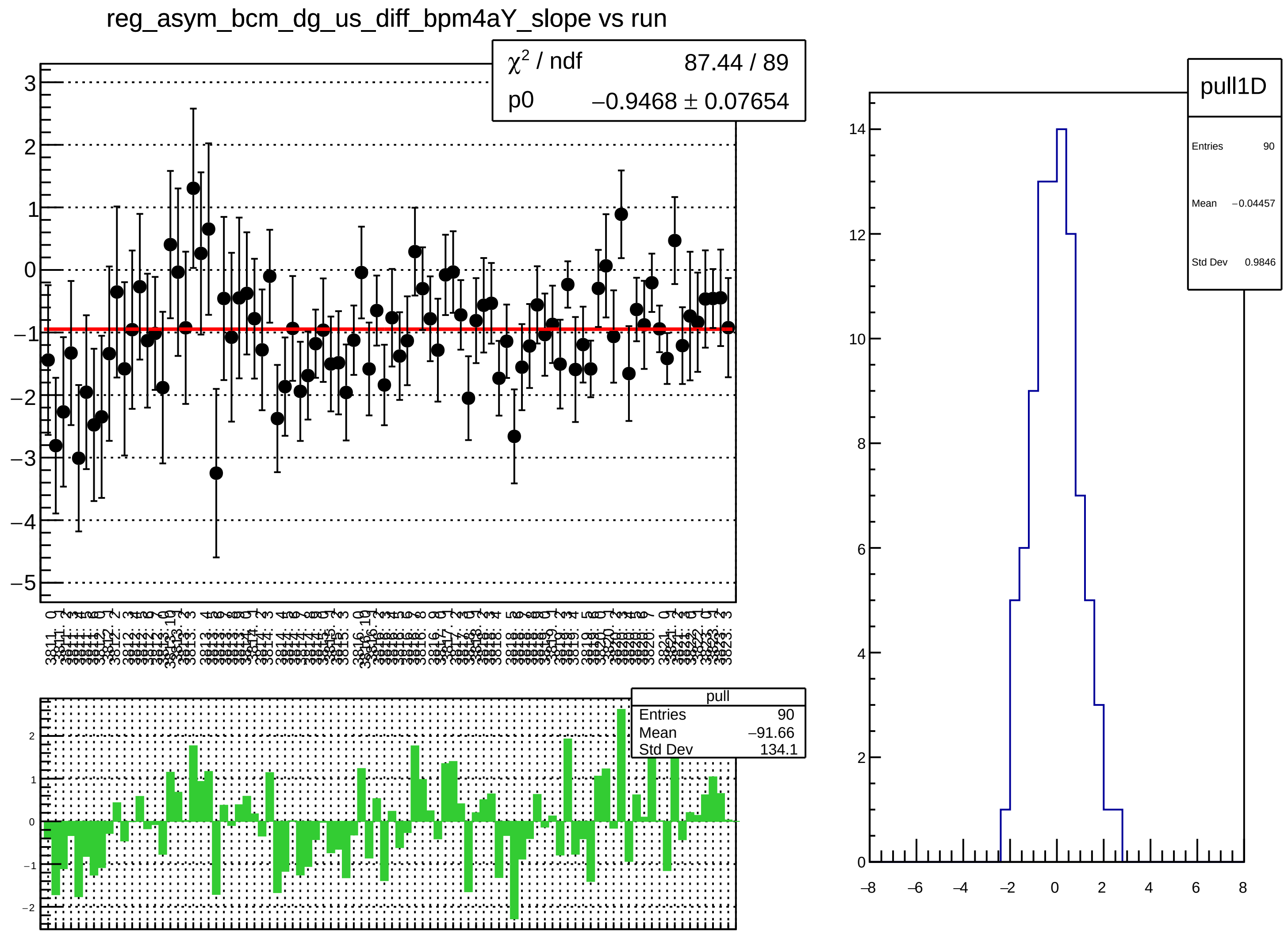
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 93.1 / 89
p0 1.273 ± 0.1161
pull
Entries 90
Mean −76.24
Std Dev 117
pull1D
Entries 90
Mean 0.07546
Std Dev 1.014

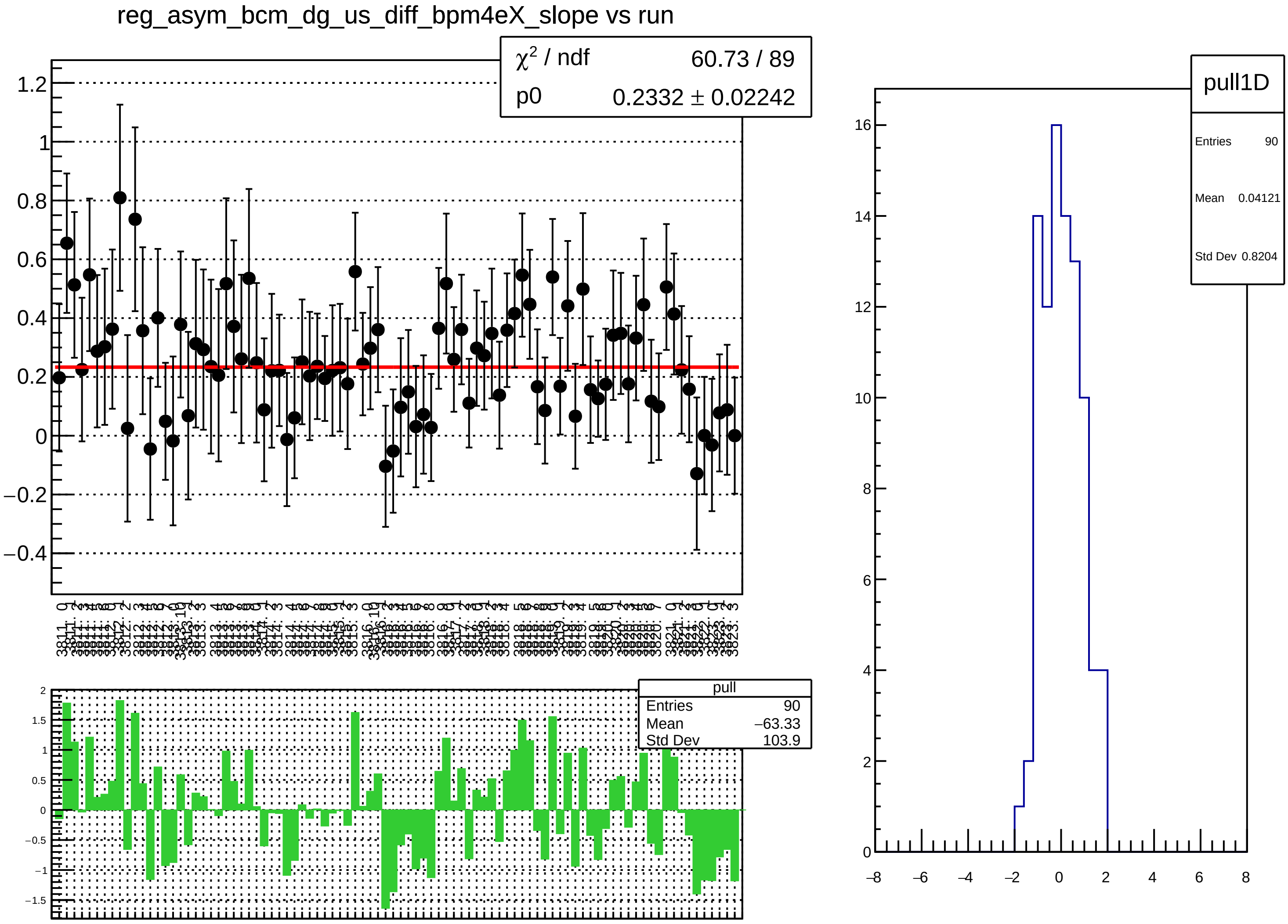


reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ^2 / ndf 113.4 / 89
p0 0.1612 ± 0.03045
pull
Entries 90
Mean −147.9
Std Dev 182.9
pull1D
Entries 90
Mean −0.07751
Std Dev 1.12

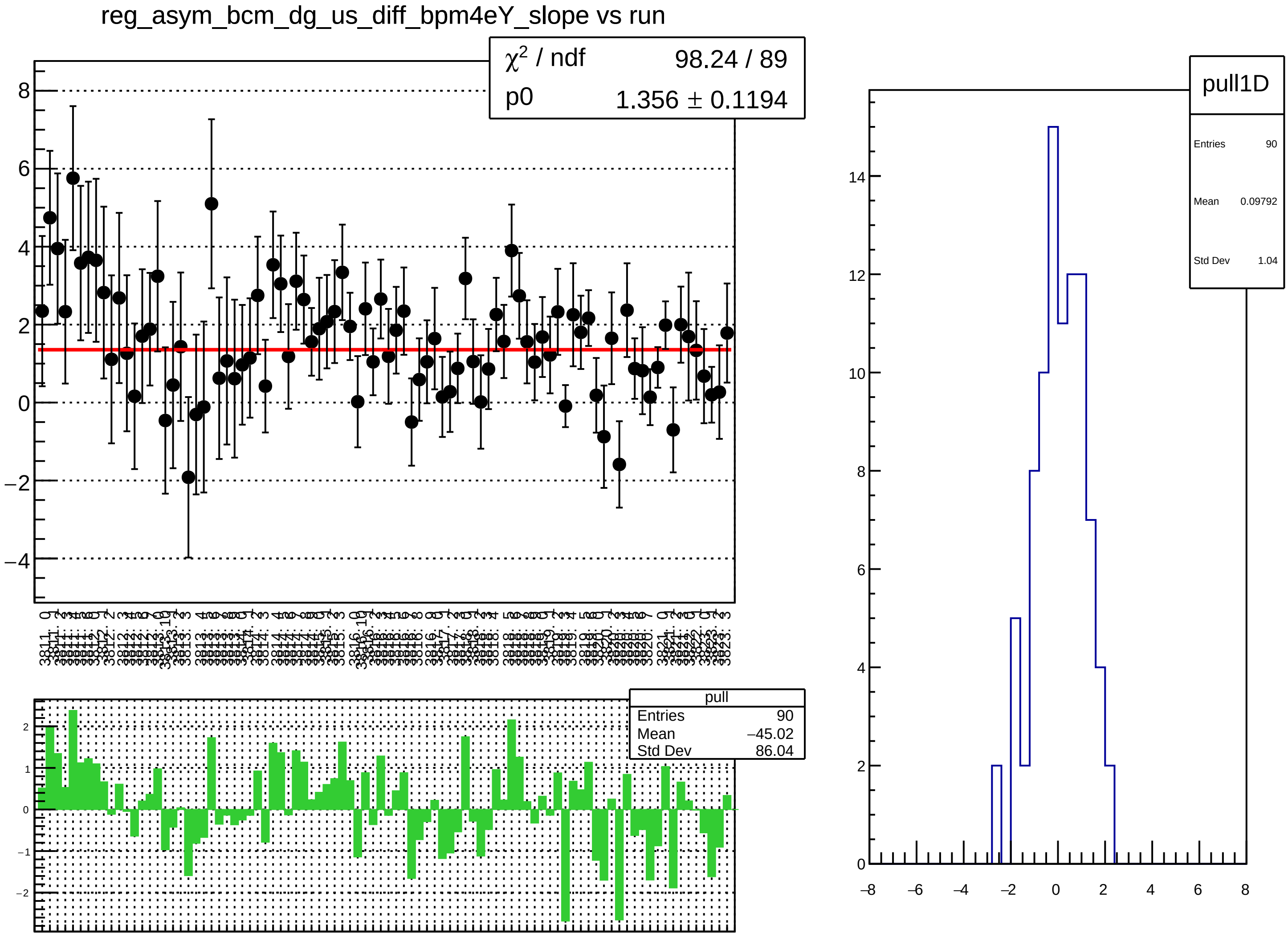


reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ^2 / ndf 48.27 / 89
p0 −0.4015 ± 0.1247
pull
Entries 90
Mean −35.24
Std Dev 62.76
pull1D
Entries 90
Mean −0.06119
Std Dev 0.7298

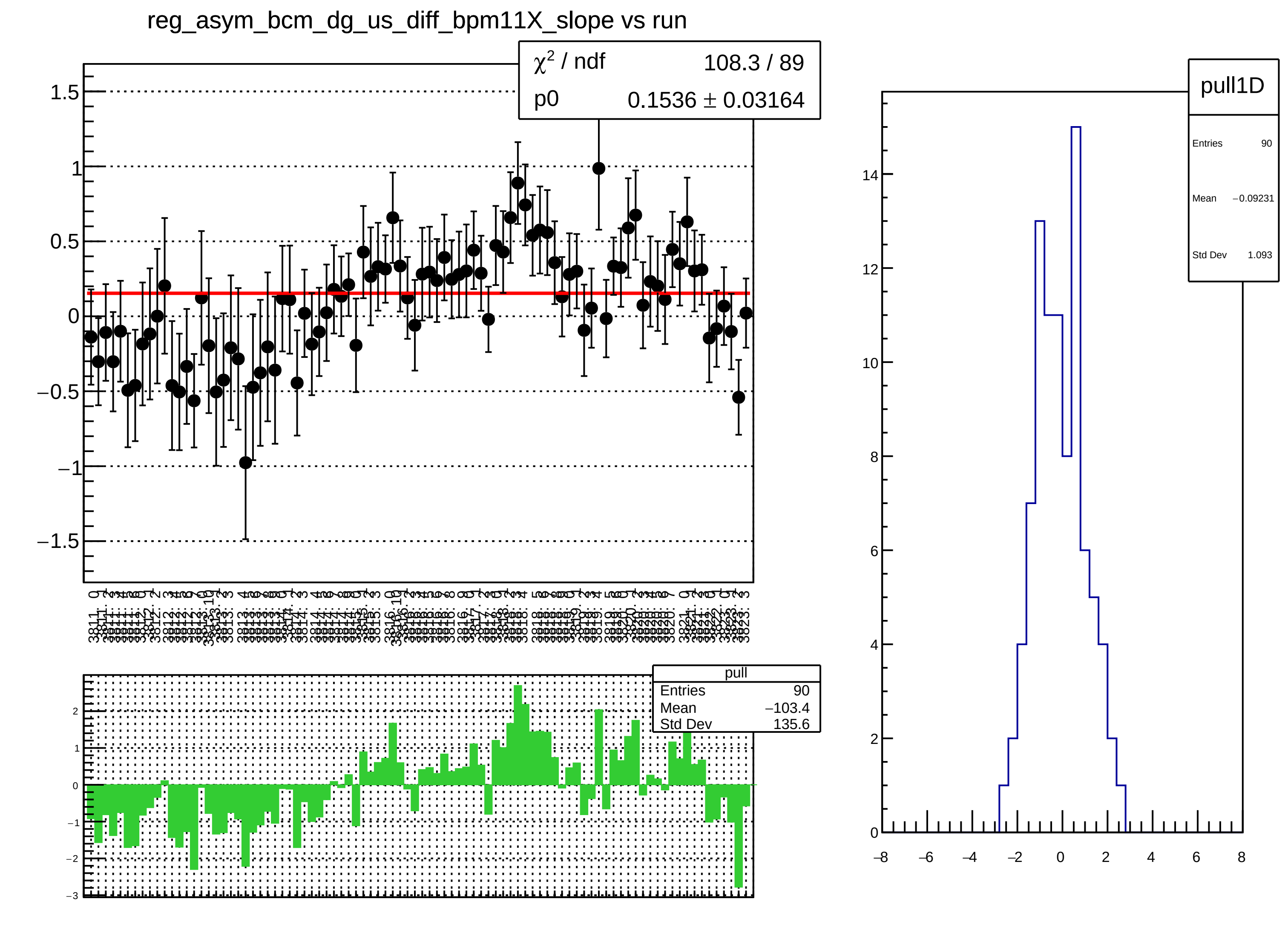

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ2 / ndf 87.44 / 89
p0 −0.9468 ± 0.07654
pull
Entries 90
Mean −91.66
Std Dev 134.1
pull1D
Entries 90
Mean −0.04457
Std Dev 0.9846



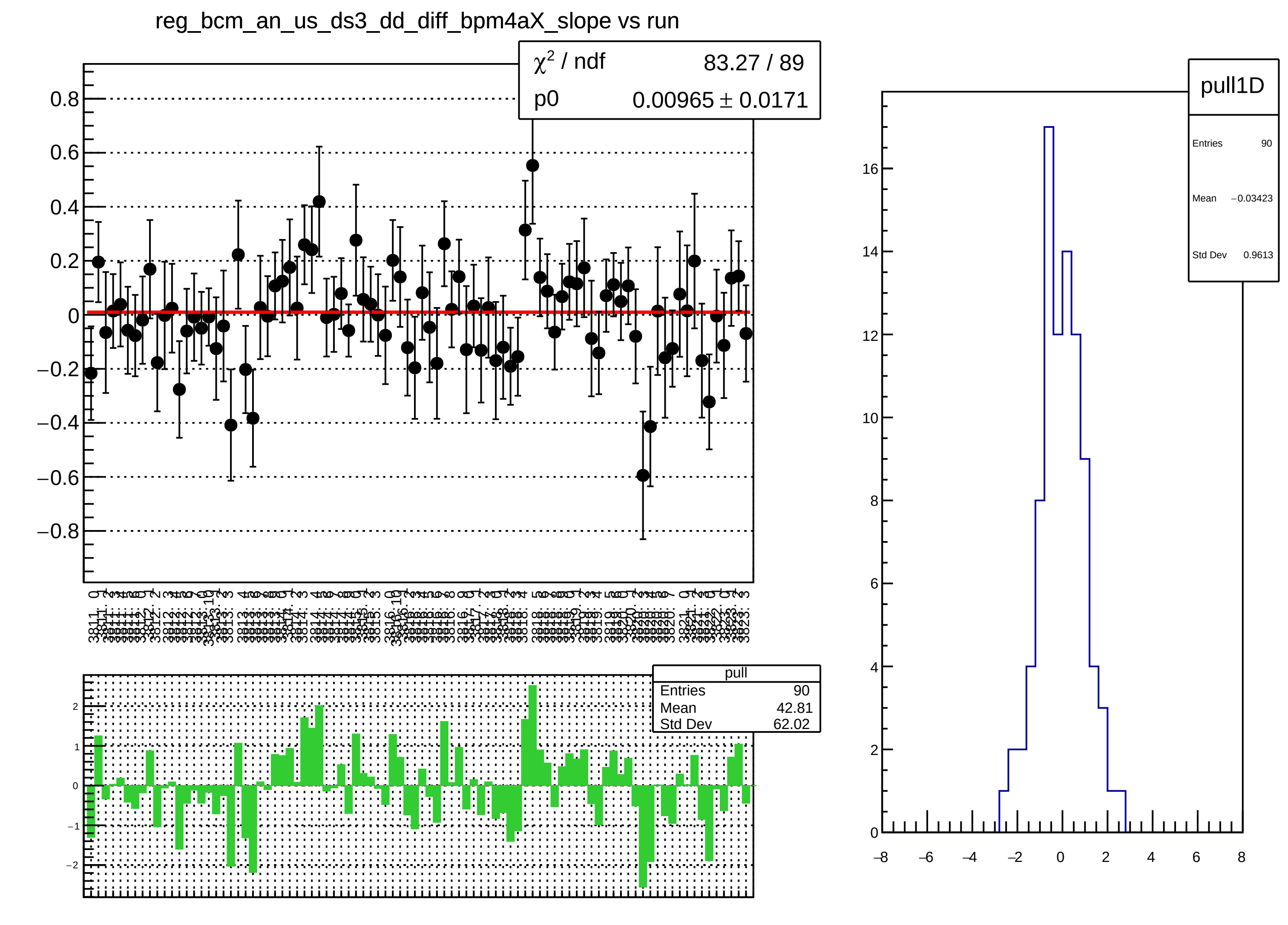
reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 60.73 / 89
p0 0.2332 ± 0.02242
pull
Entries 90
Mean −63.33
Std Dev 103.9
pull1D
Entries 90
Mean 0.04121
Std Dev 0.8204

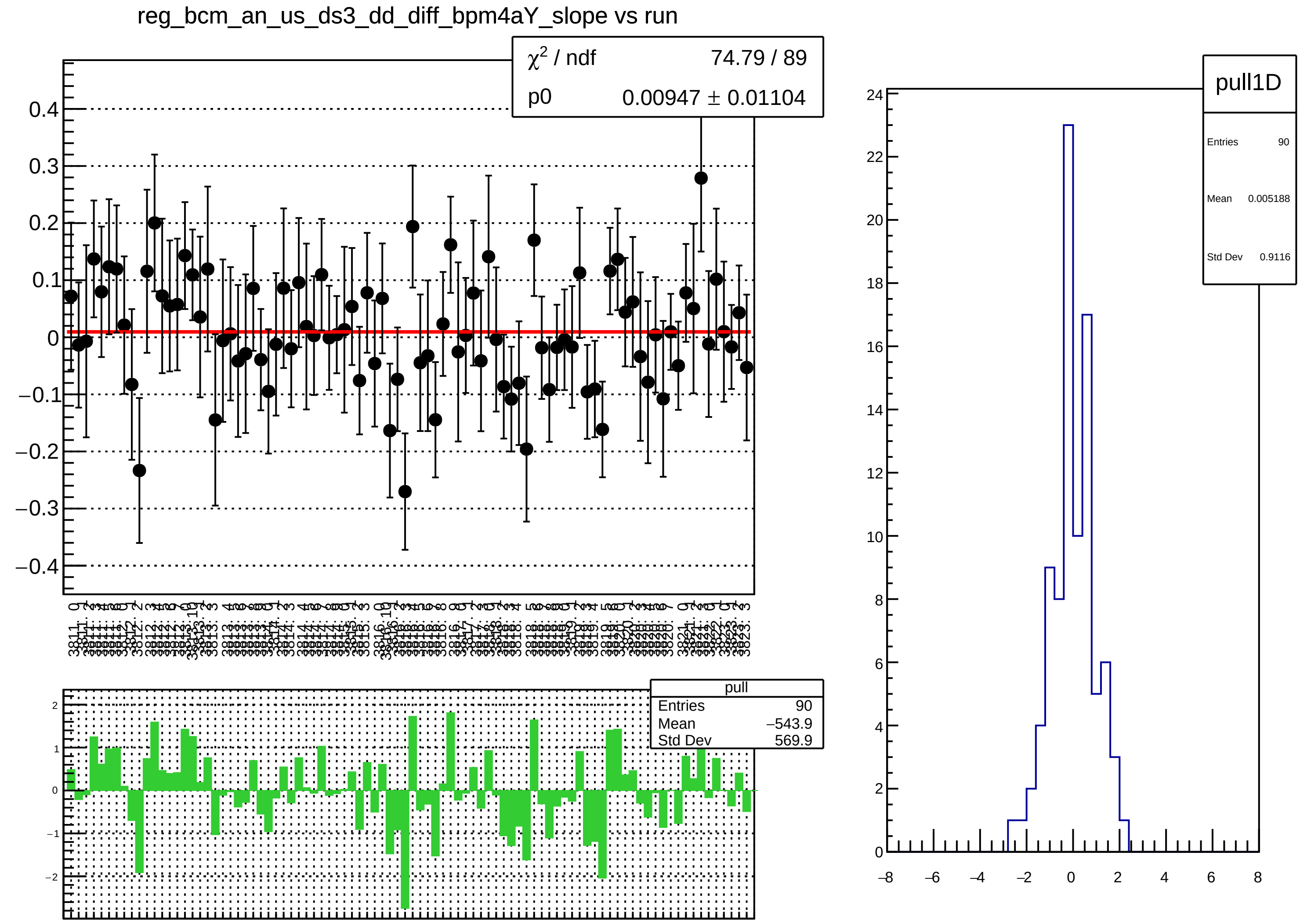


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ2 / ndf 98.24 / 89
p0 1.356 ± 0.1194
pull
Entries 90
Mean −45.02
Std Dev 86.04
pull1D
Entries 90
Mean 0.09792
Std Dev 1.04

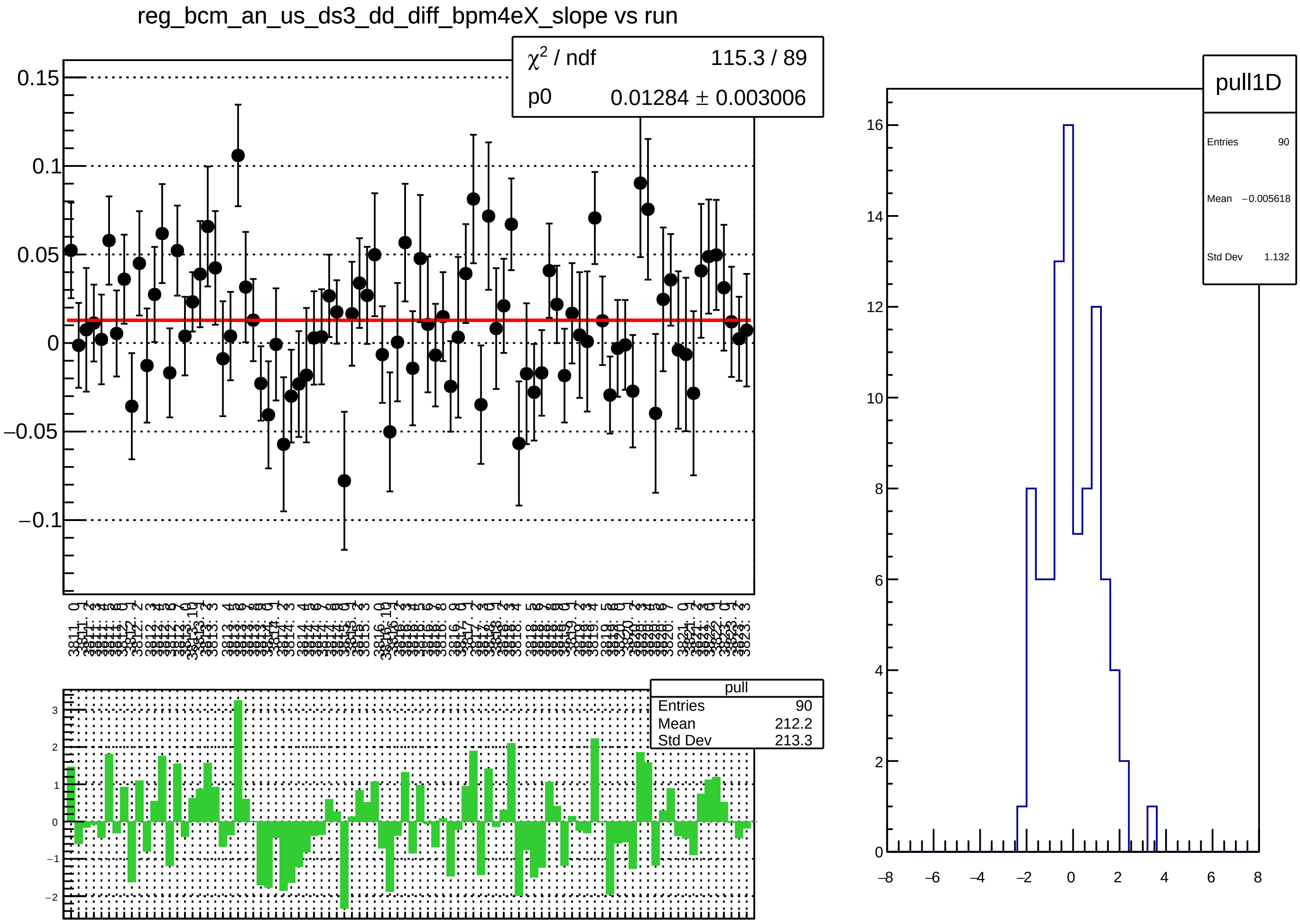


reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ^2 / ndf 108.3 / 89
p0 0.1536 ± 0.03164
pull
Entries 90
Mean −103.4
Std Dev 135.6
pull1D
Entries 90
Mean −0.09231
Std Dev 1.093

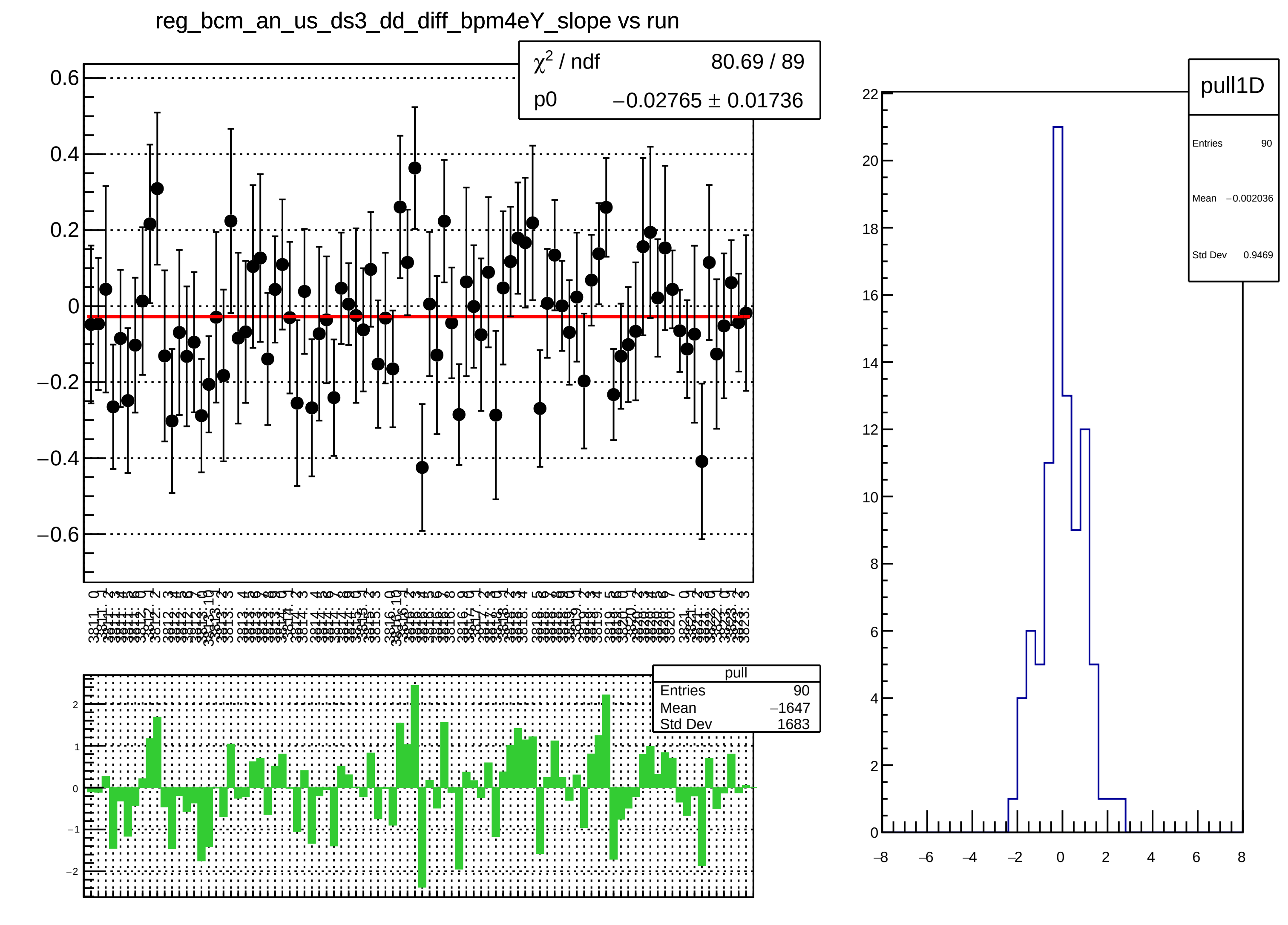

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 83.27 / 89
p0 0.00965 ± 0.0171
pull
Entries 90
Mean 42.81
Std Dev 62.02
pull1D
Entries 90
Mean −0.03423
Std Dev 0.9613



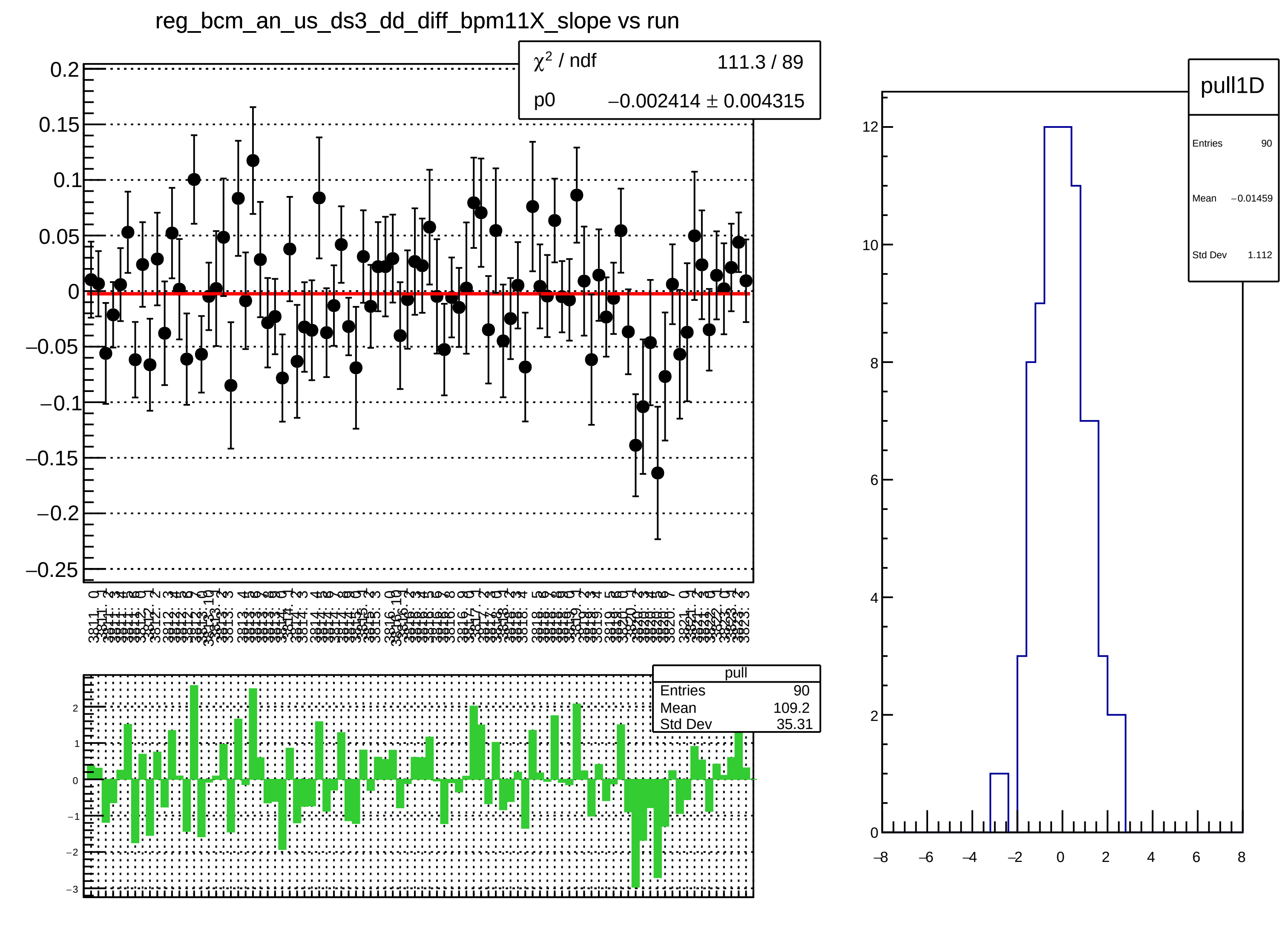
reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ2 / ndf 74.79 / 89
p0 0.00947 ± 0.01104
pull
Entries 90
Mean −543.9
Std Dev 569.9
pull1D
Entries 90
Mean 0.005188
Std Dev 0.9116



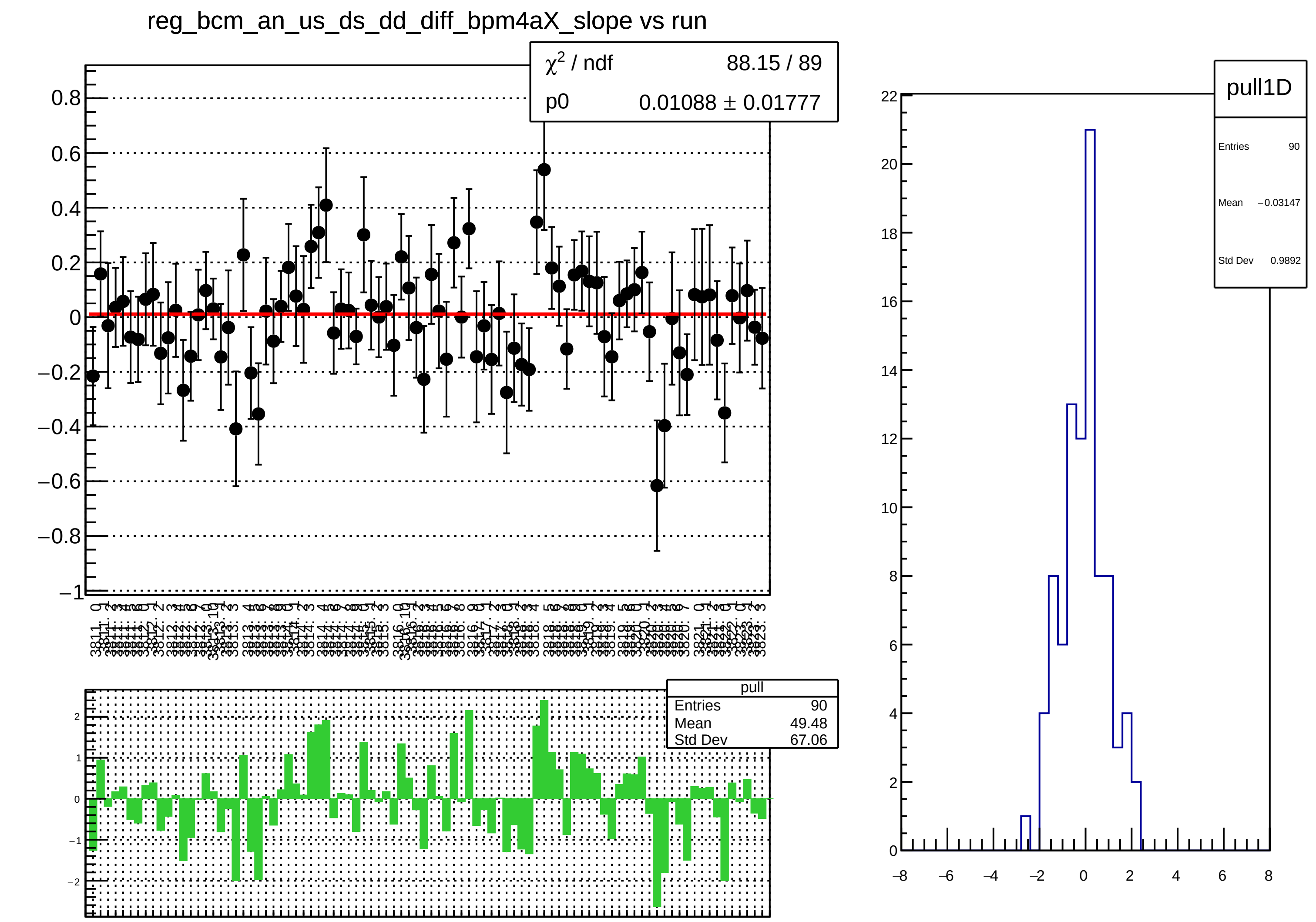
reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 115.3 / 89
p0 0.01284 ± 0.003006
pull
Entries 90
Mean 212.2
Std Dev 213.3
pull1D
Entries 90
Mean −0.005618
Std Dev 1.132

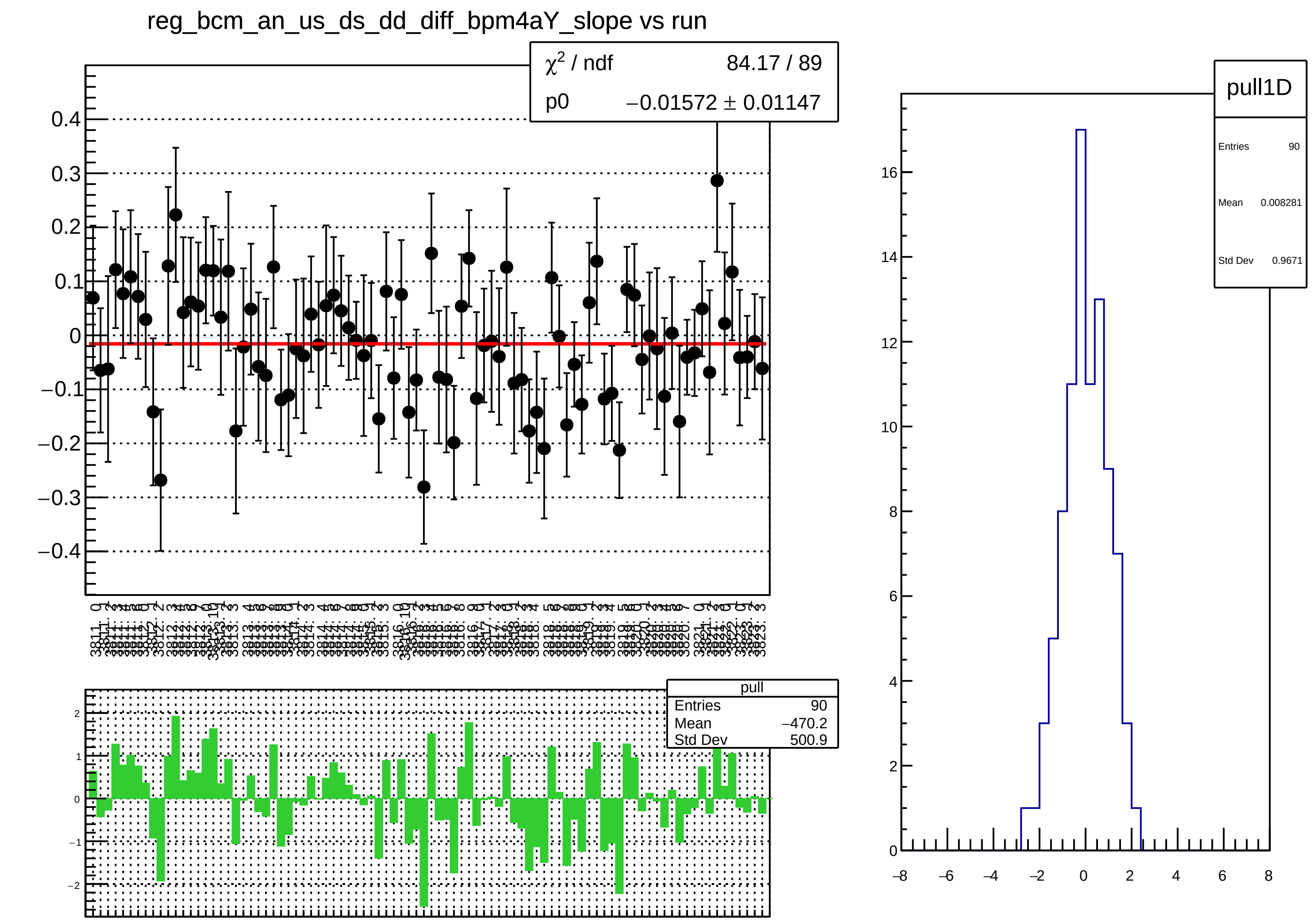


reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 80.69 / 89
p0 −0.02765 ± 0.01736
pull
Entries 90
Mean −1647
Std Dev 1683
pull1D
Entries 90
Mean −0.002036
Std Dev 0.9469

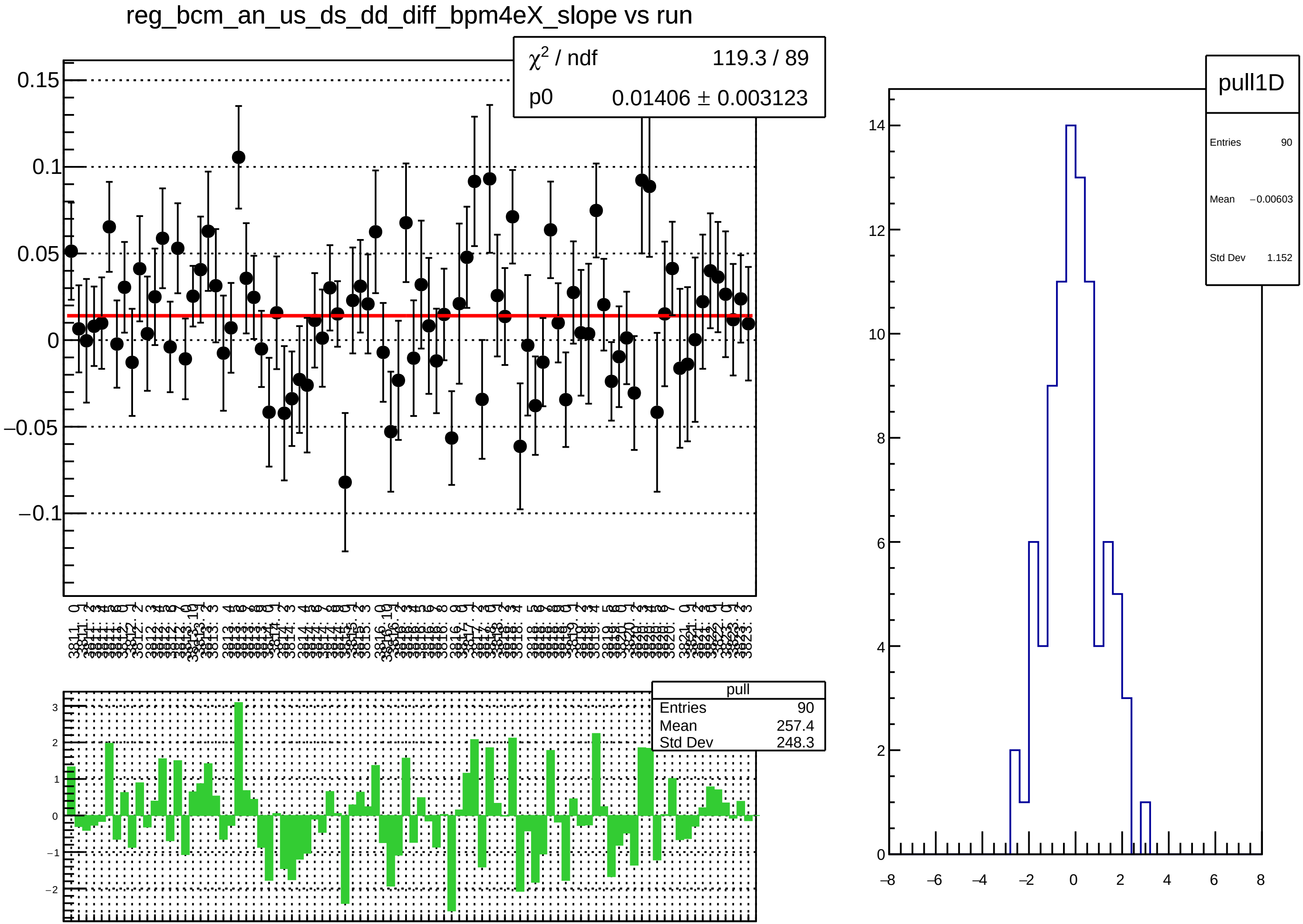


reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ2 / ndf 111.3 / 89
p0 −0.002414 ± 0.004315
pull
Entries 90
Mean 109.2
Std Dev 35.31
pull1D
Entries 90
Mean −0.01459
Std Dev 1.112

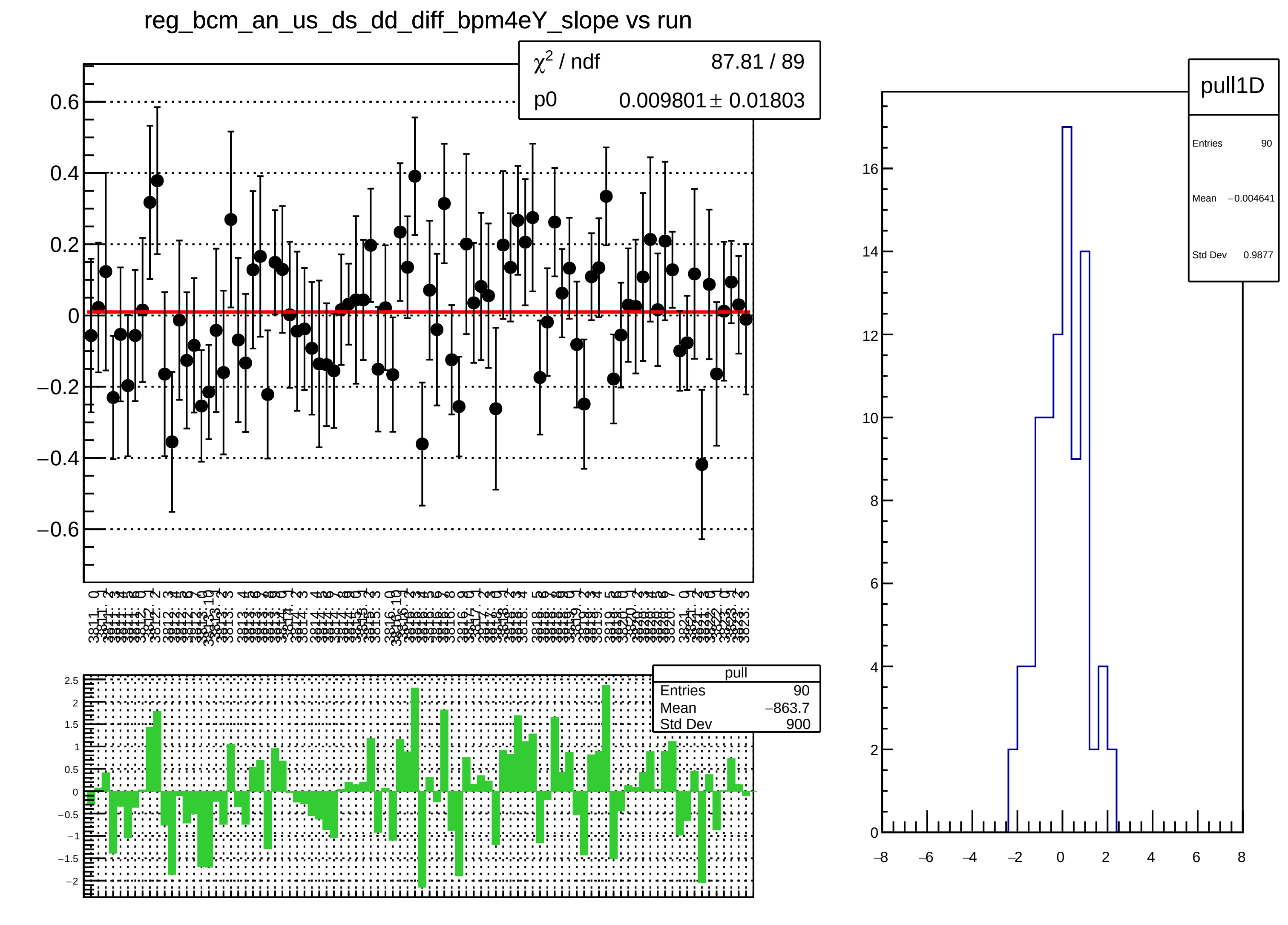

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 88.15 / 89
p0 0.01088 ± 0.01777
pull
Entries 90
Mean 49.48
Std Dev 67.06
pull1D
Entries 90
Mean −0.03147
Std Dev 0.9892



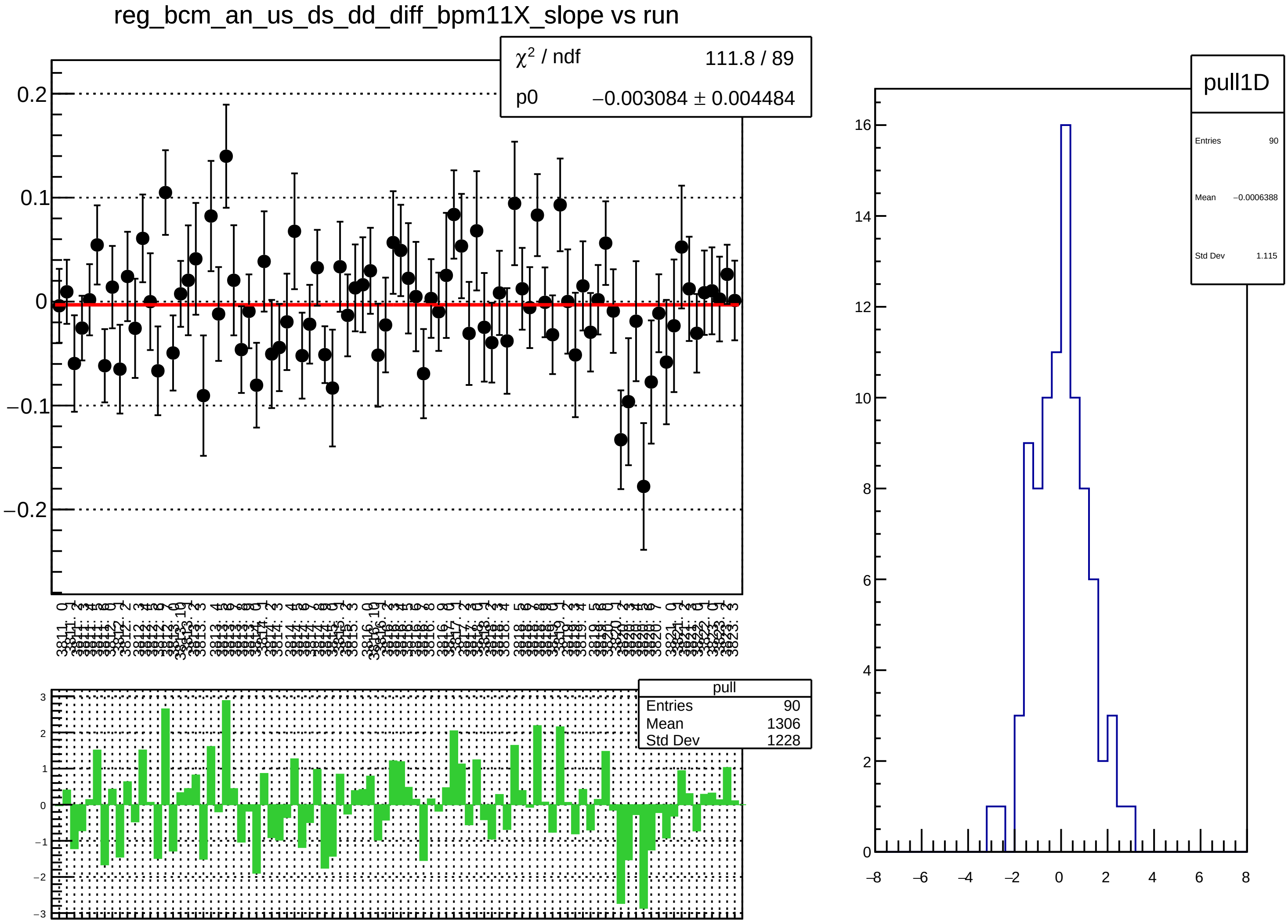
reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ2 / ndf 84.17 / 89
p0 −0.01572 ± 0.01147
pull
Entries 90
Mean −470.2
Std Dev 500.9
pull1D
Entries 90
Mean 0.008281
Std Dev 0.9671

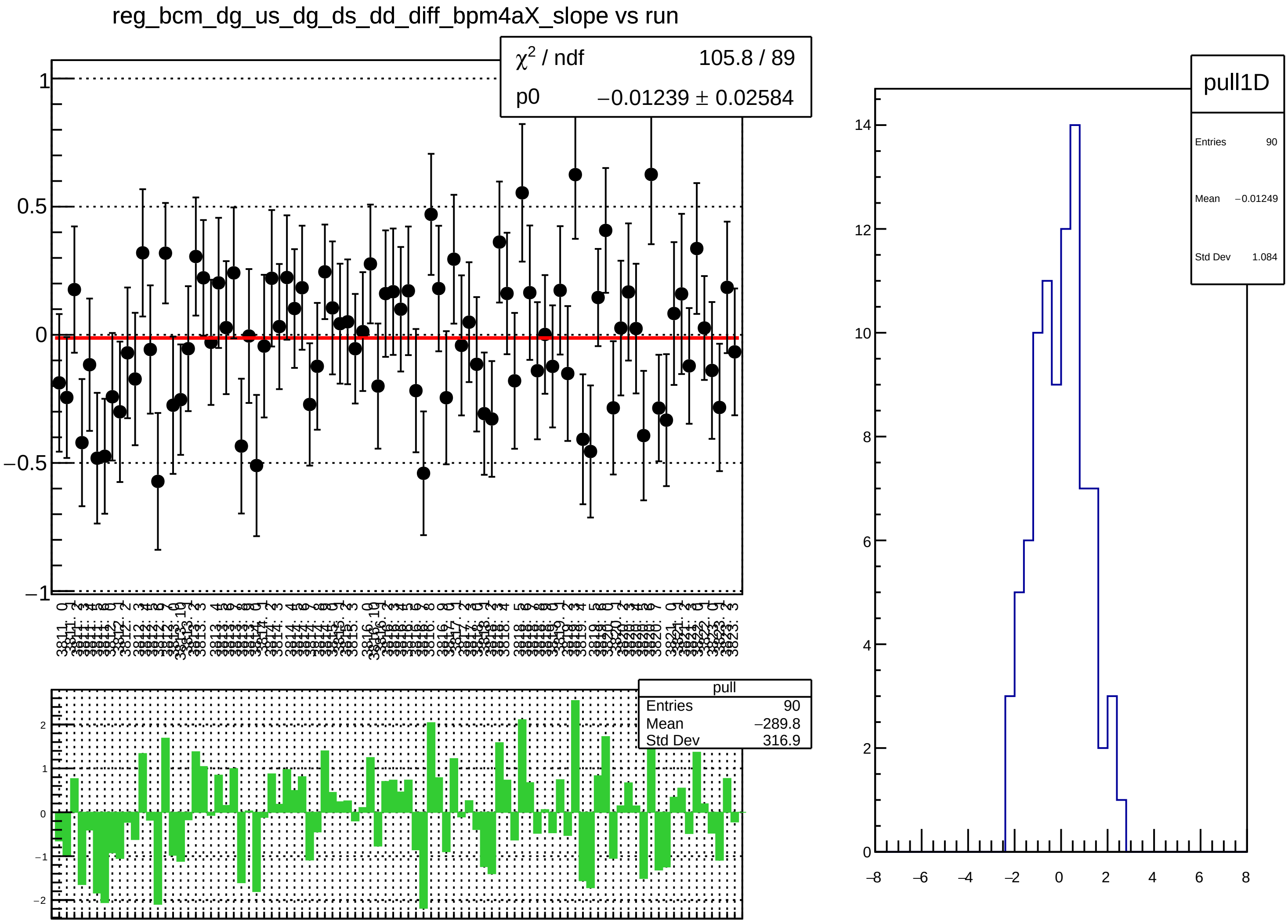


reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 119.3 / 89
p0 0.01406 ± 0.003123
pull
Entries 90
Mean 257.4
Std Dev 248.3
pull1D
Entries 90
Mean −0.00603
Std Dev 1.152

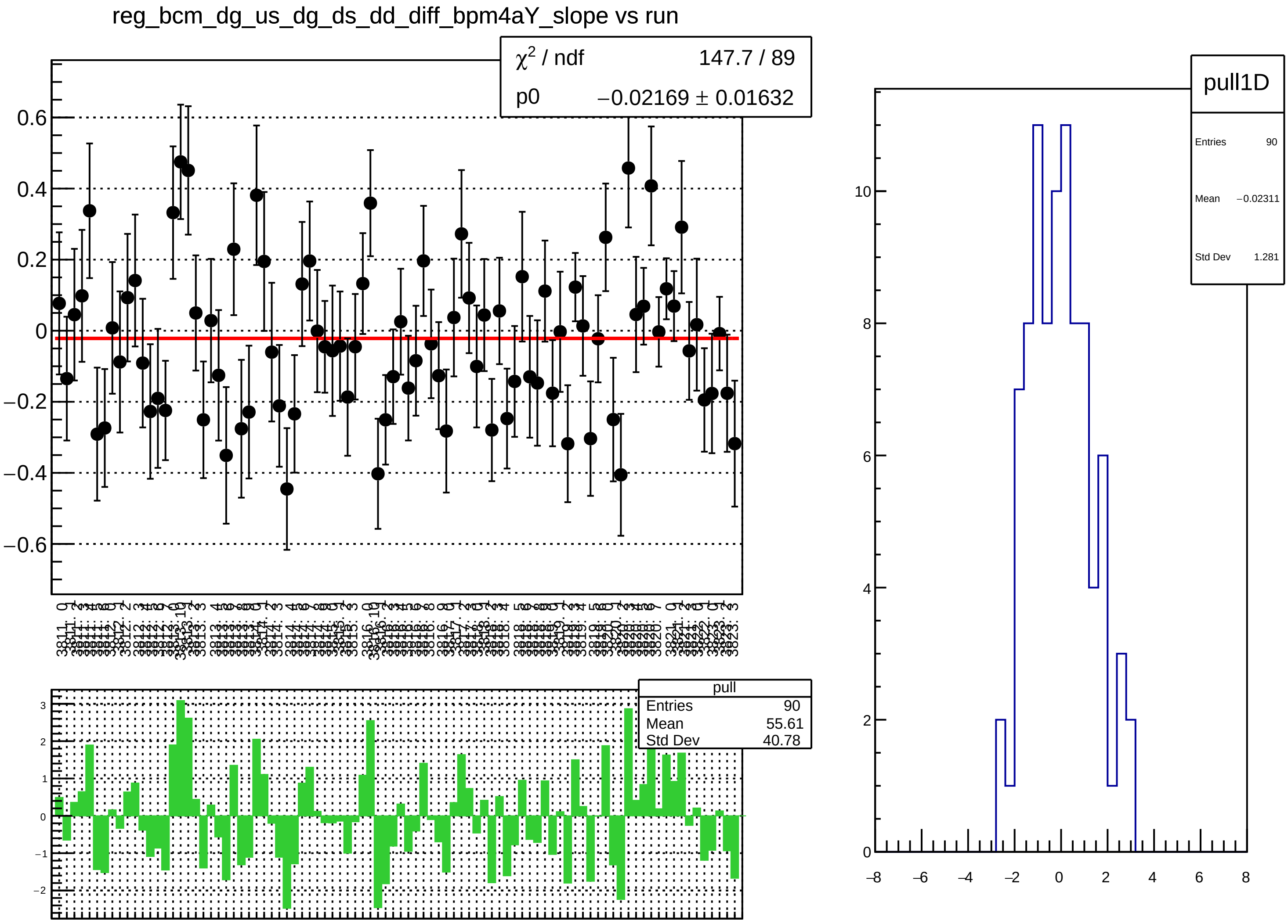


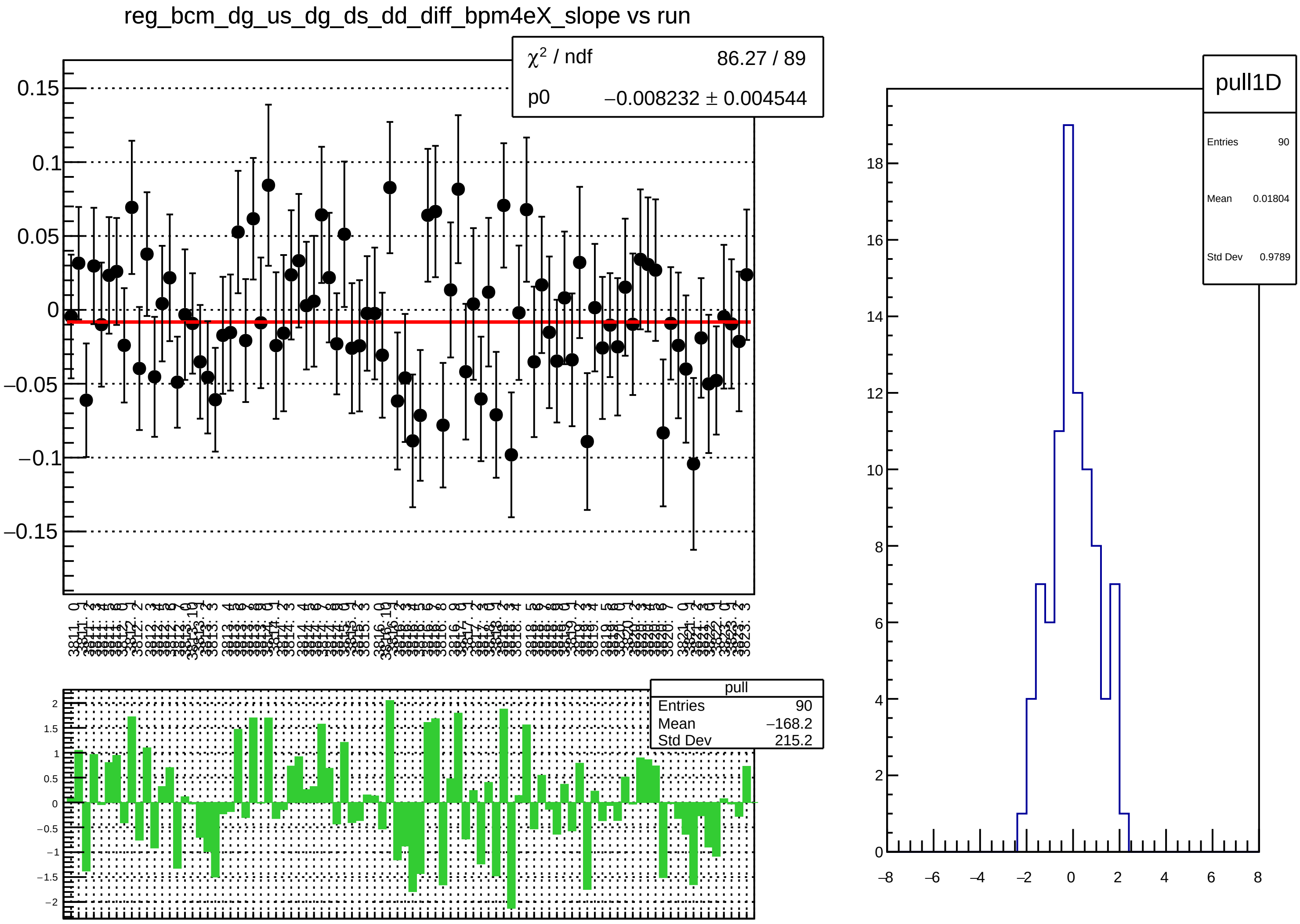
reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 87.81 / 89
p0 0.009801 ± 0.01803
pull
Entries 90
Mean −863.7
Std Dev 900
pull1D
Entries 90
Mean −0.004641
Std Dev 0.9877


reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ2 / ndf 111.8 / 89
p0 −0.003084 ± 0.004484
0.2
0.1
0
−0.1
−0.2
pull
Entries 90
Mean 1306
Std Dev 1228
pull1D
Entries 90
Mean −0.0006388
Std Dev 1.115

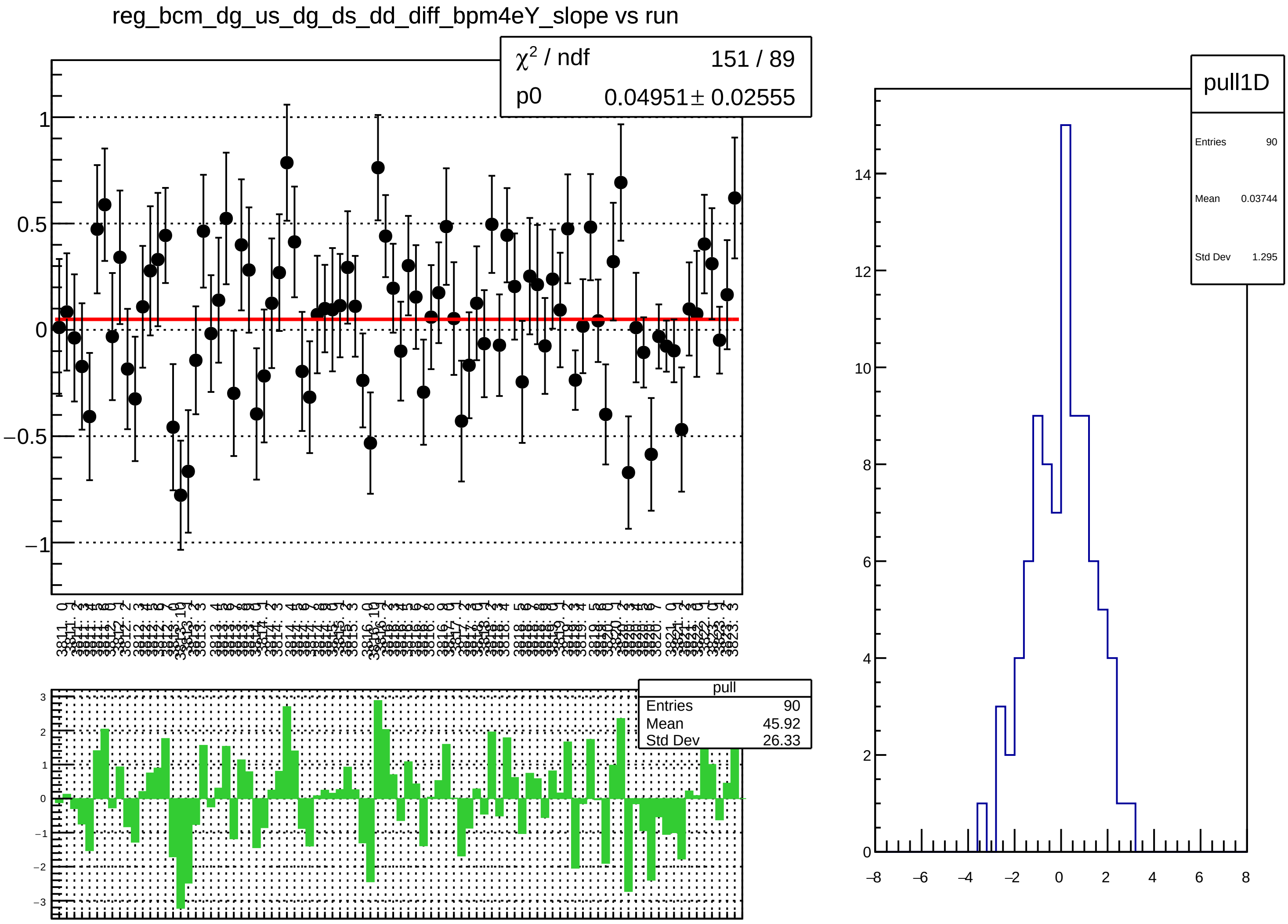


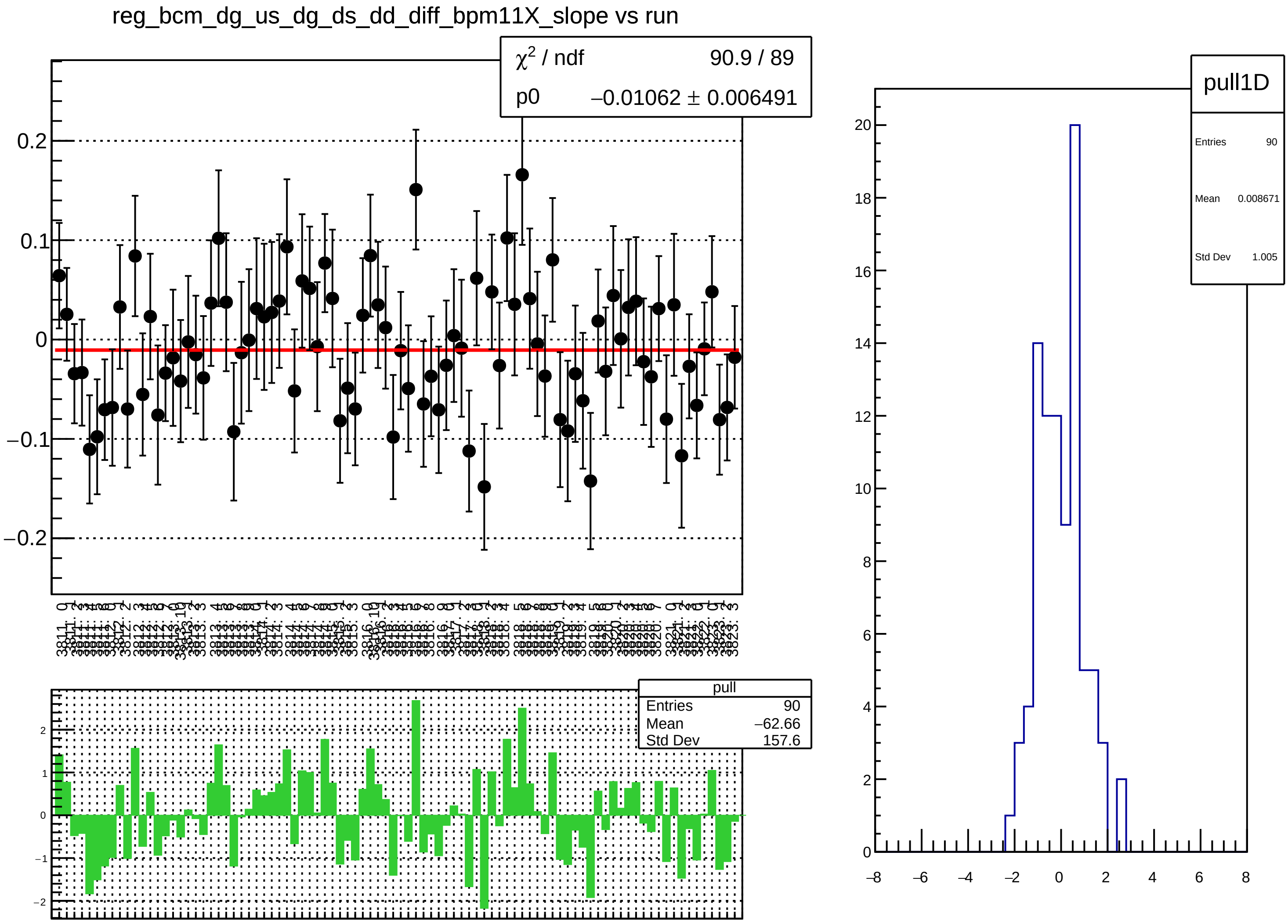
reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 105.8 / 89
p0 −0.01239 ± 0.02584
pull
Entries 90
Mean −289.8
Std Dev 316.9
pull1D
Entries 90
Mean −0.01249
Std Dev 1.084


reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 147.7 / 89
p0 −0.02169 ± 0.01632
pull
Entries 90
Mean 55.61
Std Dev 40.78
pull1D
Entries 90
Mean −0.02311
Std Dev 1.281

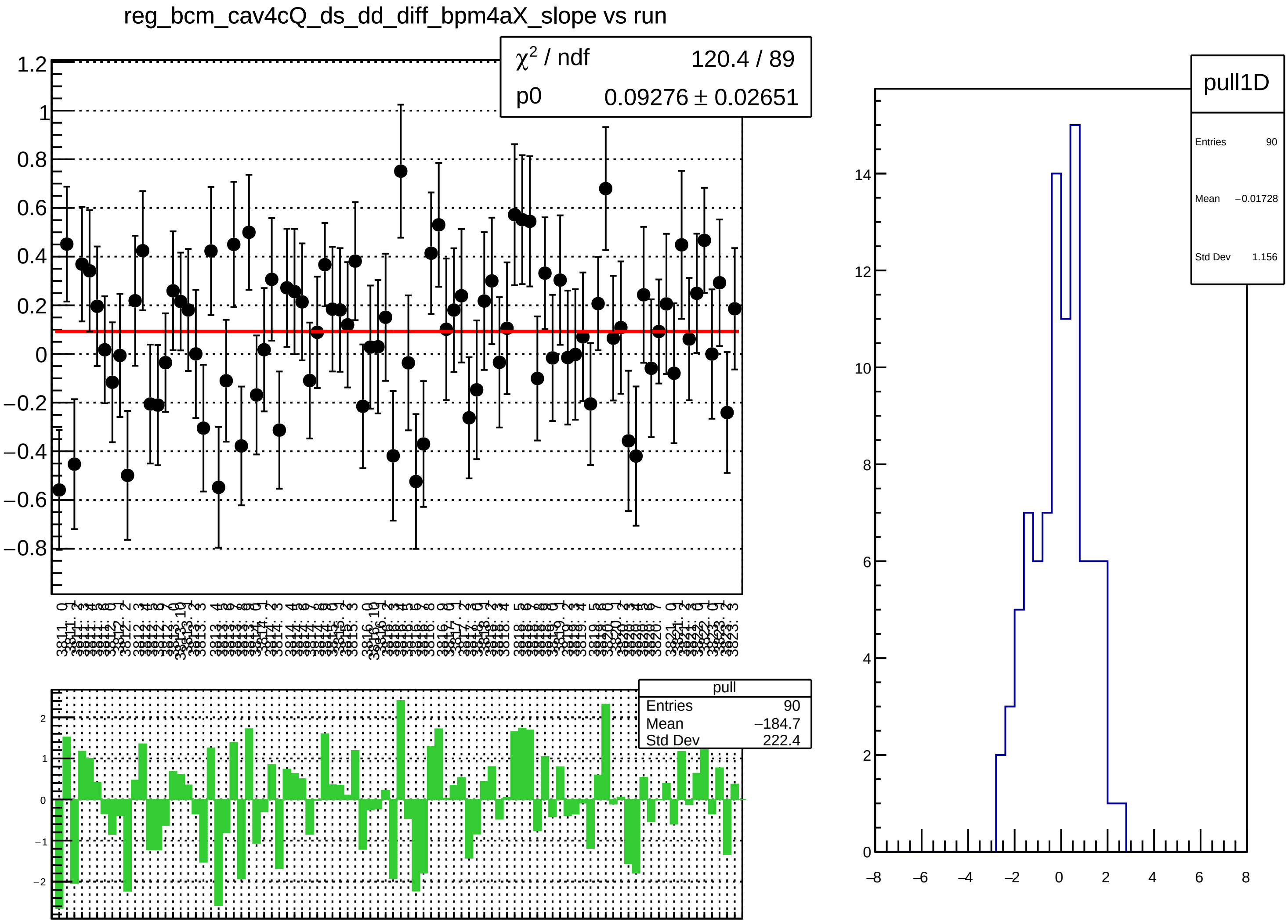


reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 86.27 / 89
p0 −0.008232 ± 0.004544
pull
Entries 90
Mean −168.2
Std Dev 215.2
pull1D
Entries 90
Mean 0.01804
Std Dev 0.9789

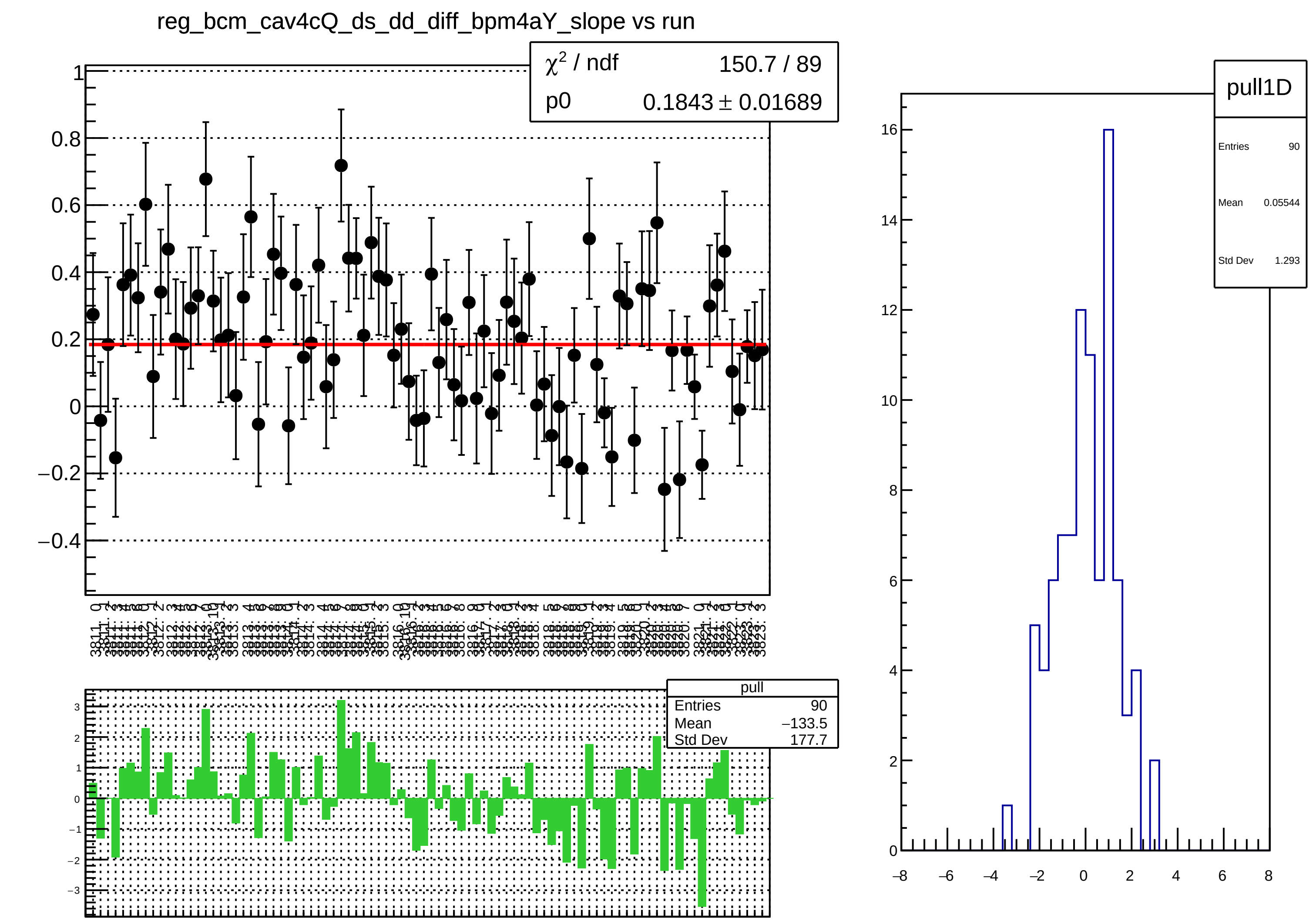

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 151 / 89
p0 0.04951 ± 0.02555
pull
Entries 90
Mean 45.92
Std Dev 26.33
pull1D
Entries 90
Mean 0.03744
Std Dev 1.295

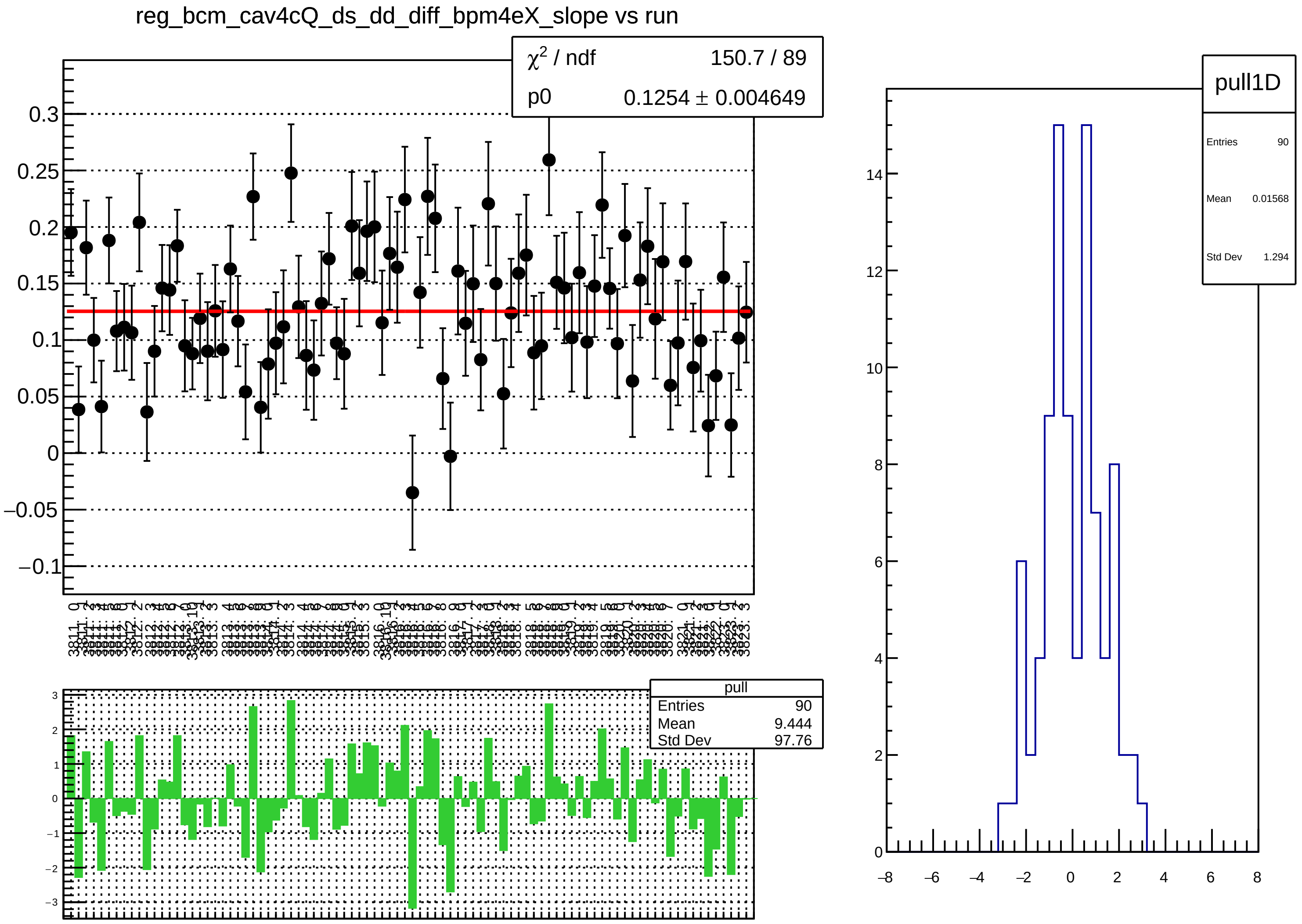


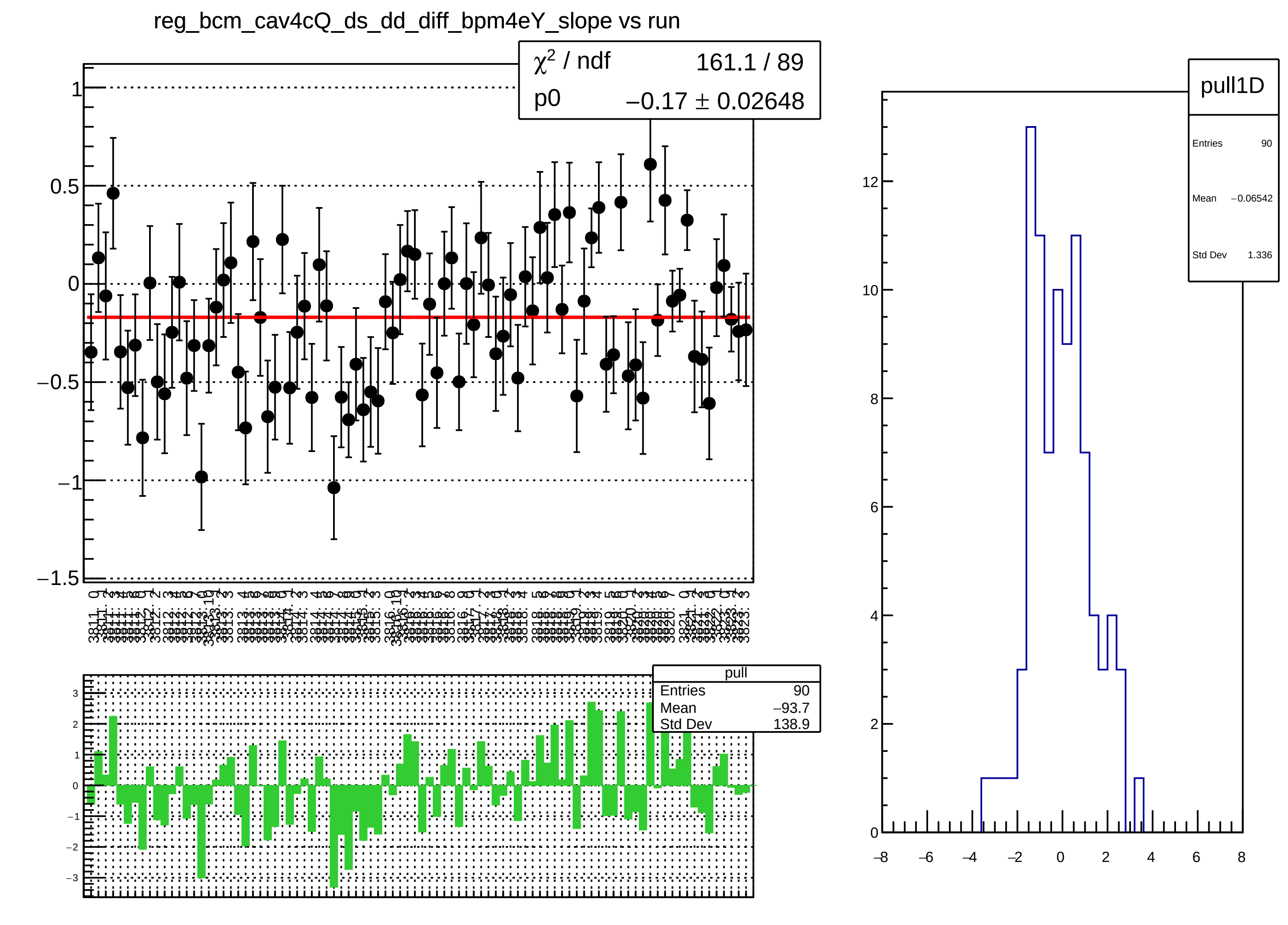
reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 90.9 / 89
p0 −0.01062 ± 0.006491
pull
Entries 90
Mean −62.66
Std Dev 157.6
pull1D
Entries 90
Mean 0.008671
Std Dev 1.005



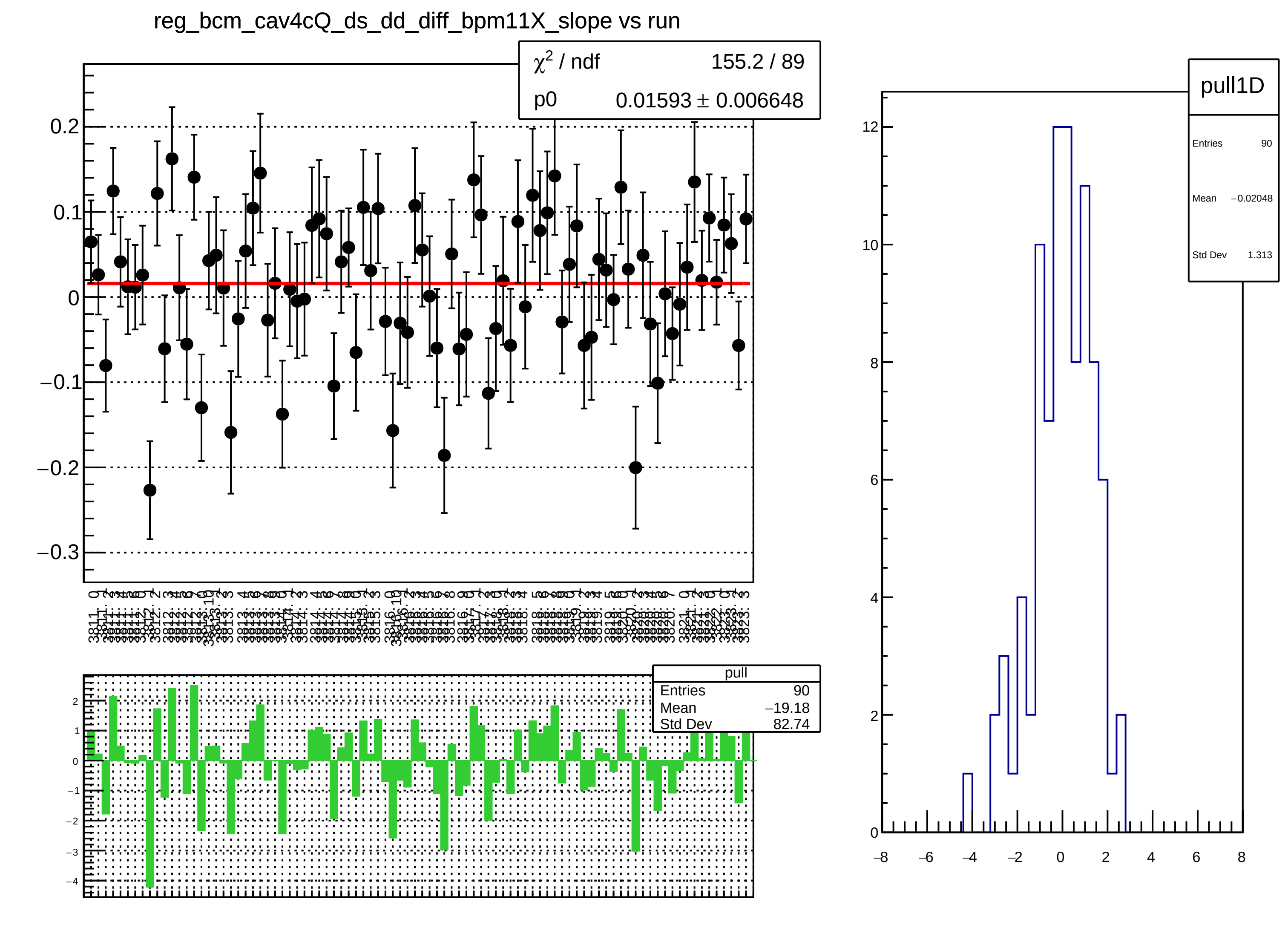
reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 120.4 / 89
p0 0.09276 ± 0.02651
pull
Entries 90
Mean −184.7
Std Dev 222.4
pull1D
Entries 90
Mean −0.01728
Std Dev 1.156


reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 150.7 / 89
p0 0.1843 ± 0.01689
pull
Entries 90
Mean −133.5
Std Dev 177.7
pull1D
Entries 90
Mean 0.05544
Std Dev 1.293

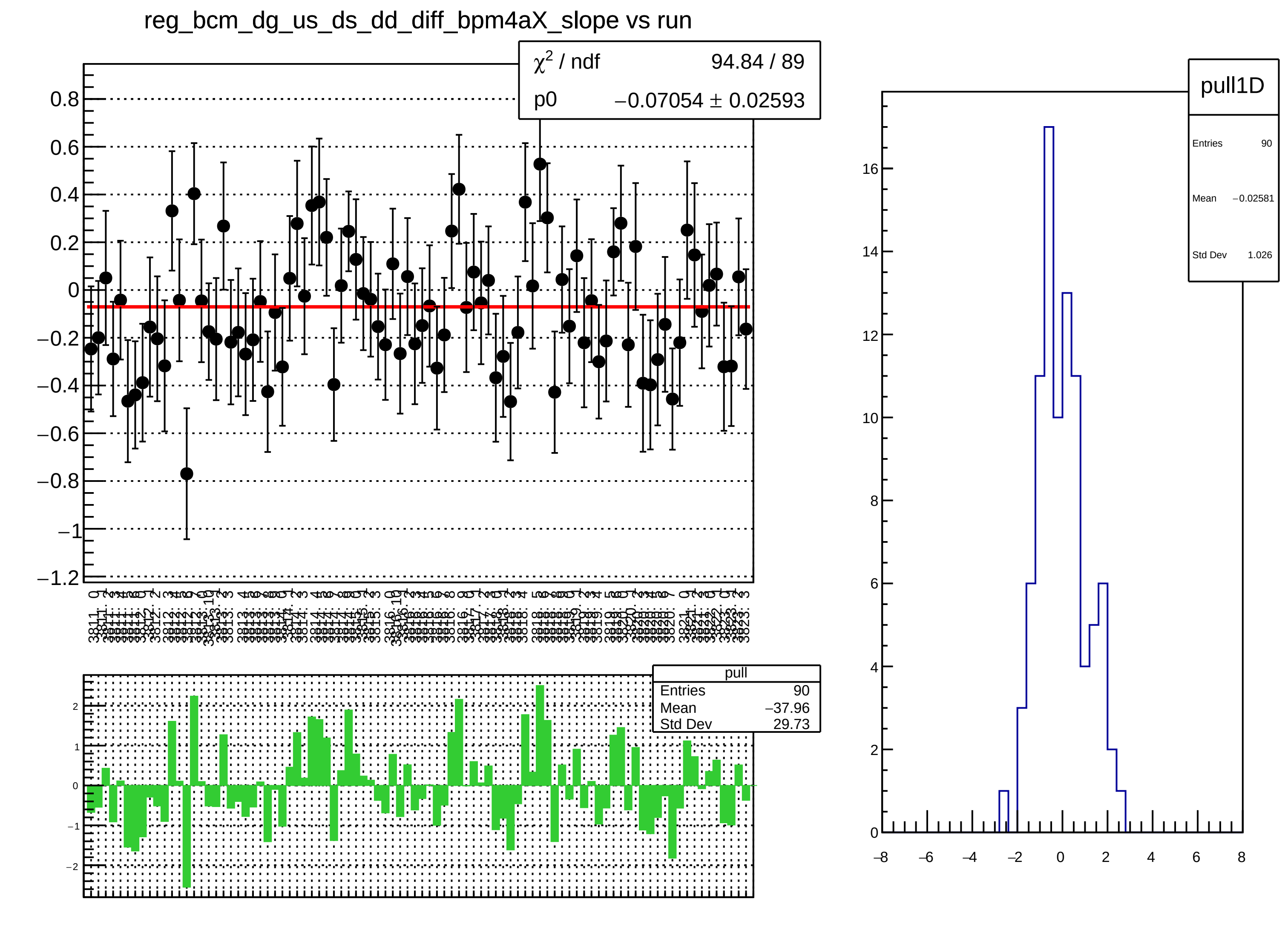

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 150.7 / 89
p0 0.1254 ± 0.004649
pull
Entries 90
Mean 9.444
Std Dev 97.76
pull1D
Entries 90
Mean 0.01568
Std Dev 1.294



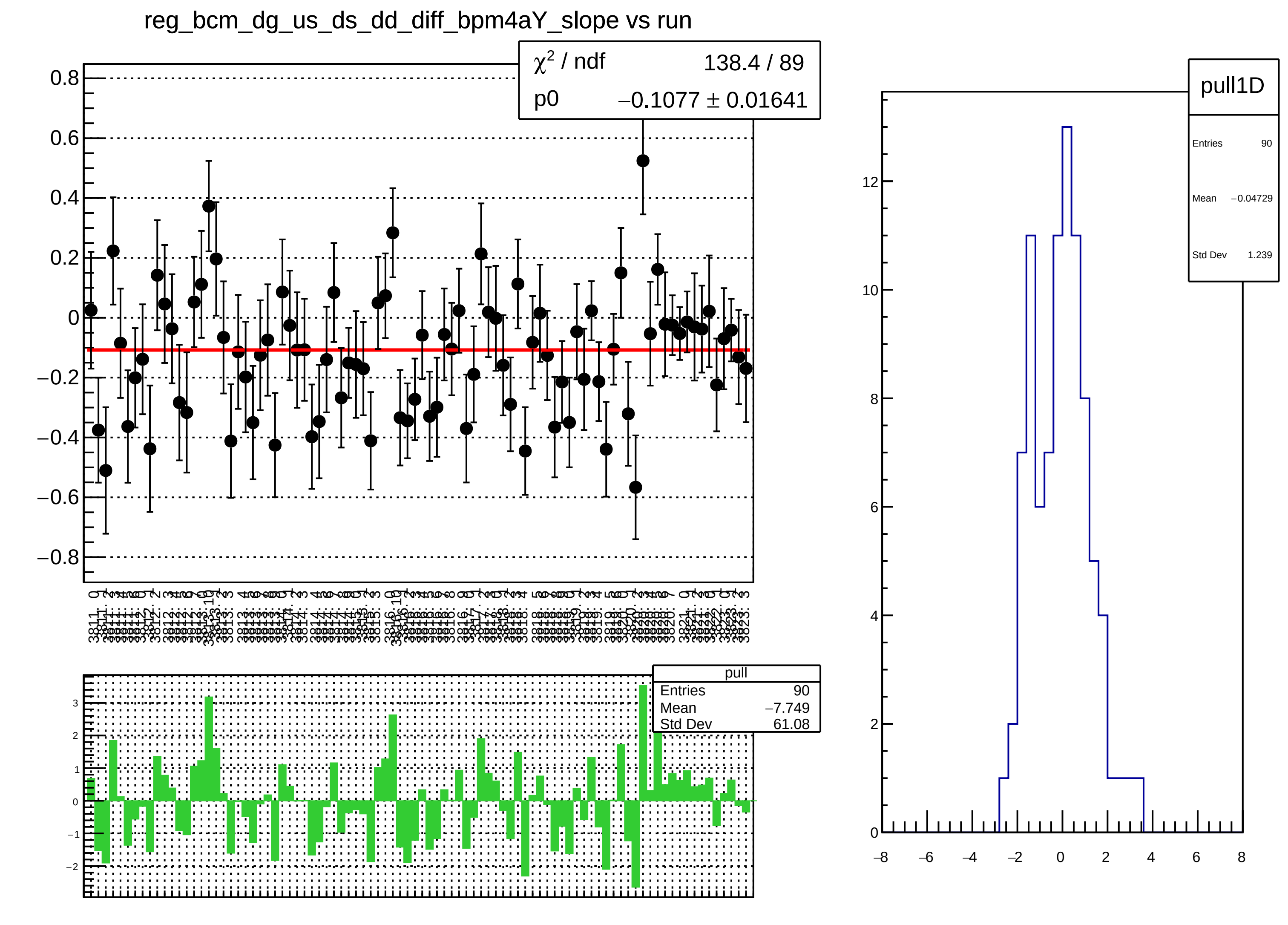
reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 161.1 / 89
p0 −0.17 ± 0.02648
pull
Entries 90
Mean −93.7
Std Dev 138.9
pull1D
Entries 90
Mean −0.06542
Std Dev 1.336



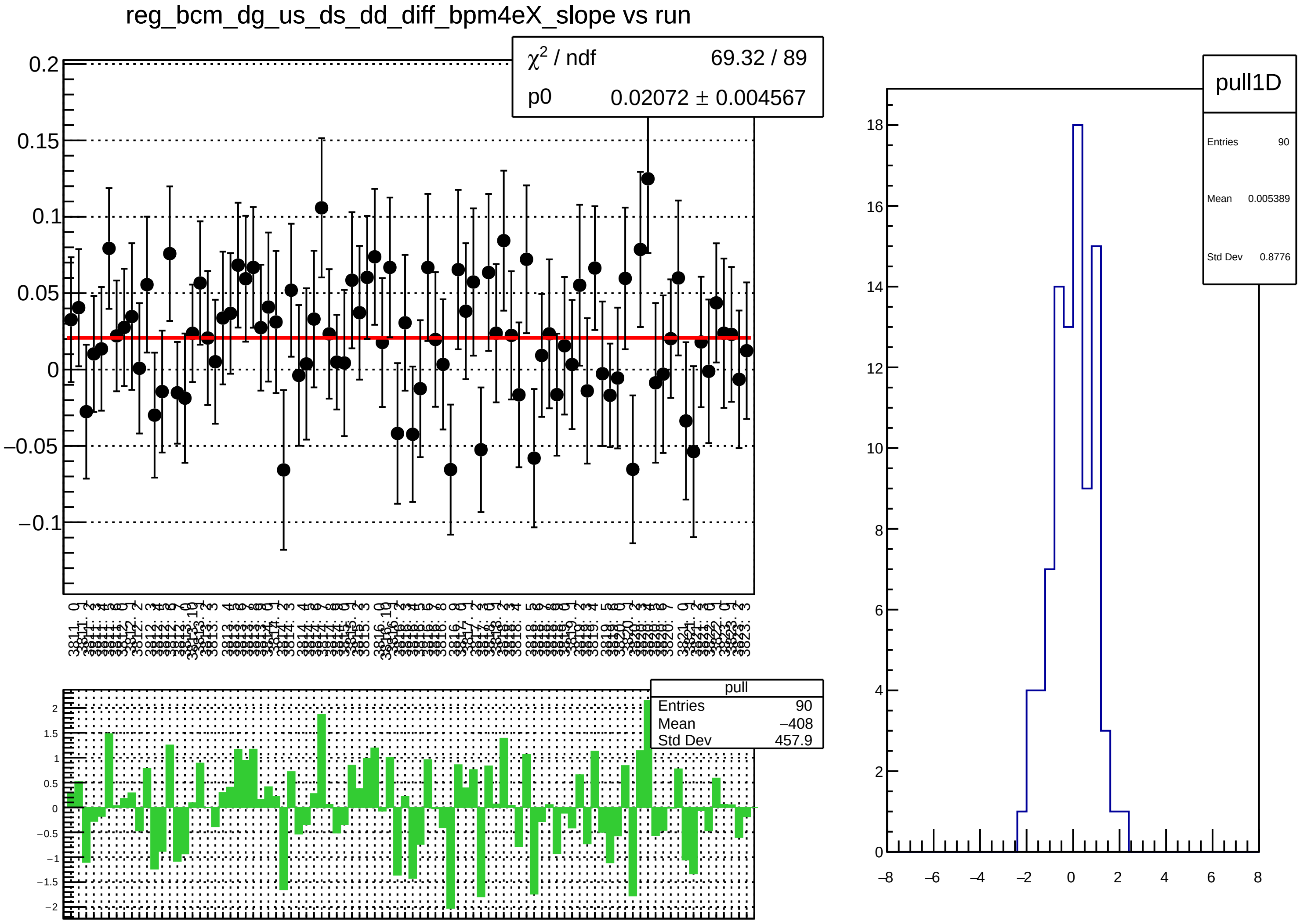
reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 155.2 / 89
p0 0.01593 ± 0.006648
pull
Entries 90
Mean −19.18
Std Dev 82.74
pull1D
Entries 90
Mean −0.02048
Std Dev 1.313

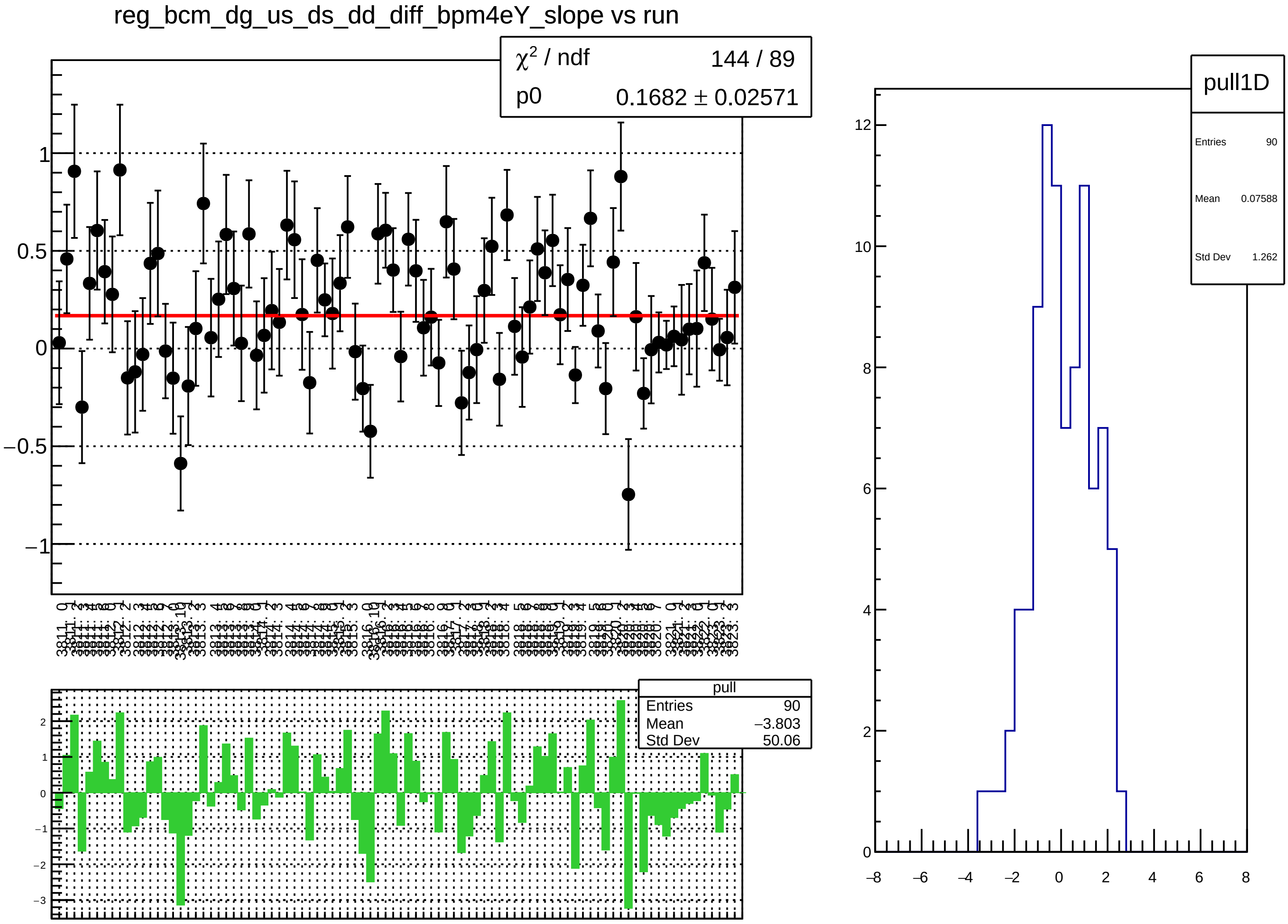


reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ2 / ndf 94.84 / 89
p0 −0.07054 ± 0.02593
pull
Entries 90
Mean −37.96
Std Dev 29.73
pull1D
Entries 90
Mean −0.02581
Std Dev 1.026



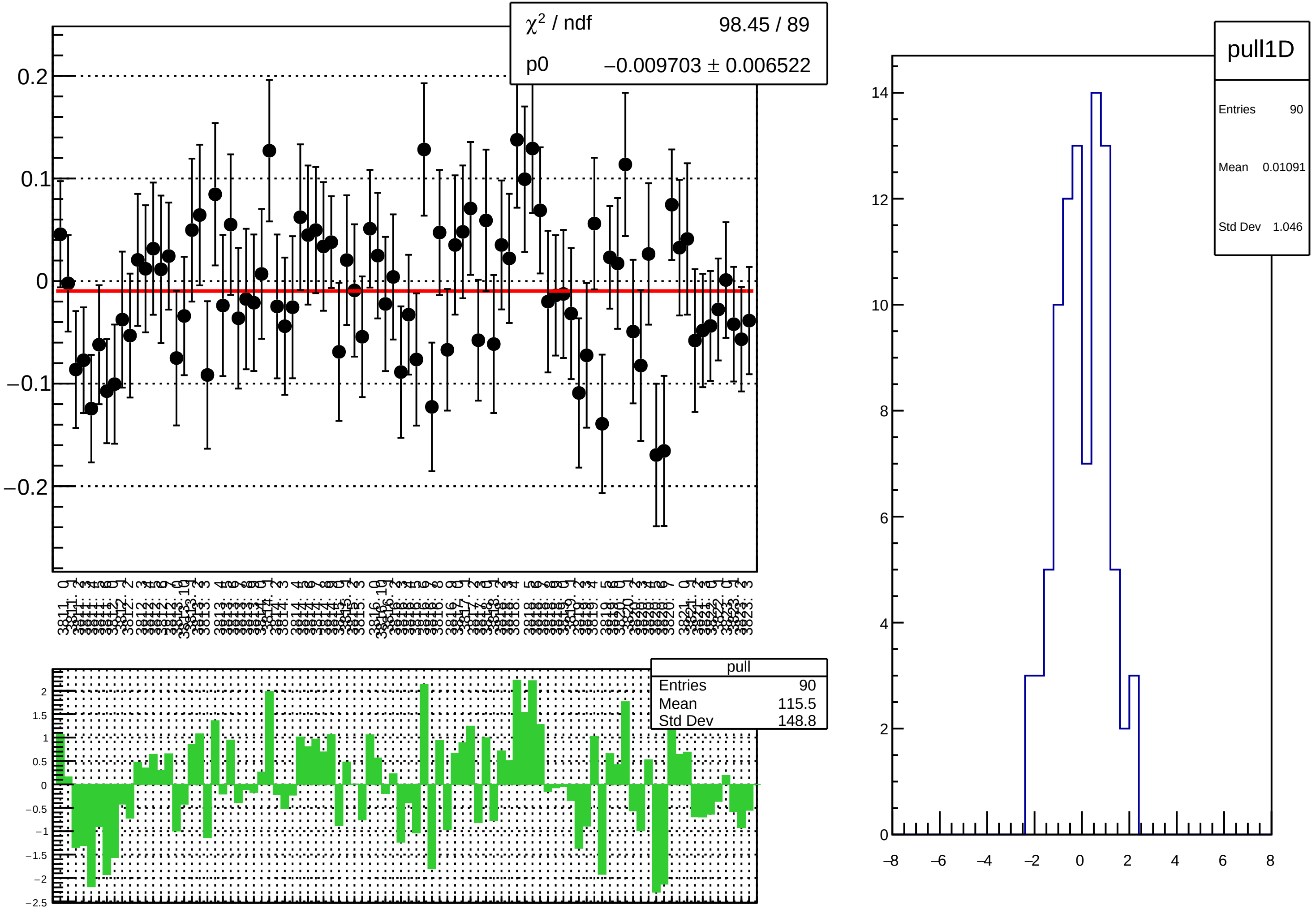
reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 138.4 / 89
p0 −0.1077 ± 0.01641
pull
Entries 90
Mean −7.749
Std Dev 61.08
pull1D
Entries 90
Mean −0.04729
Std Dev 1.239

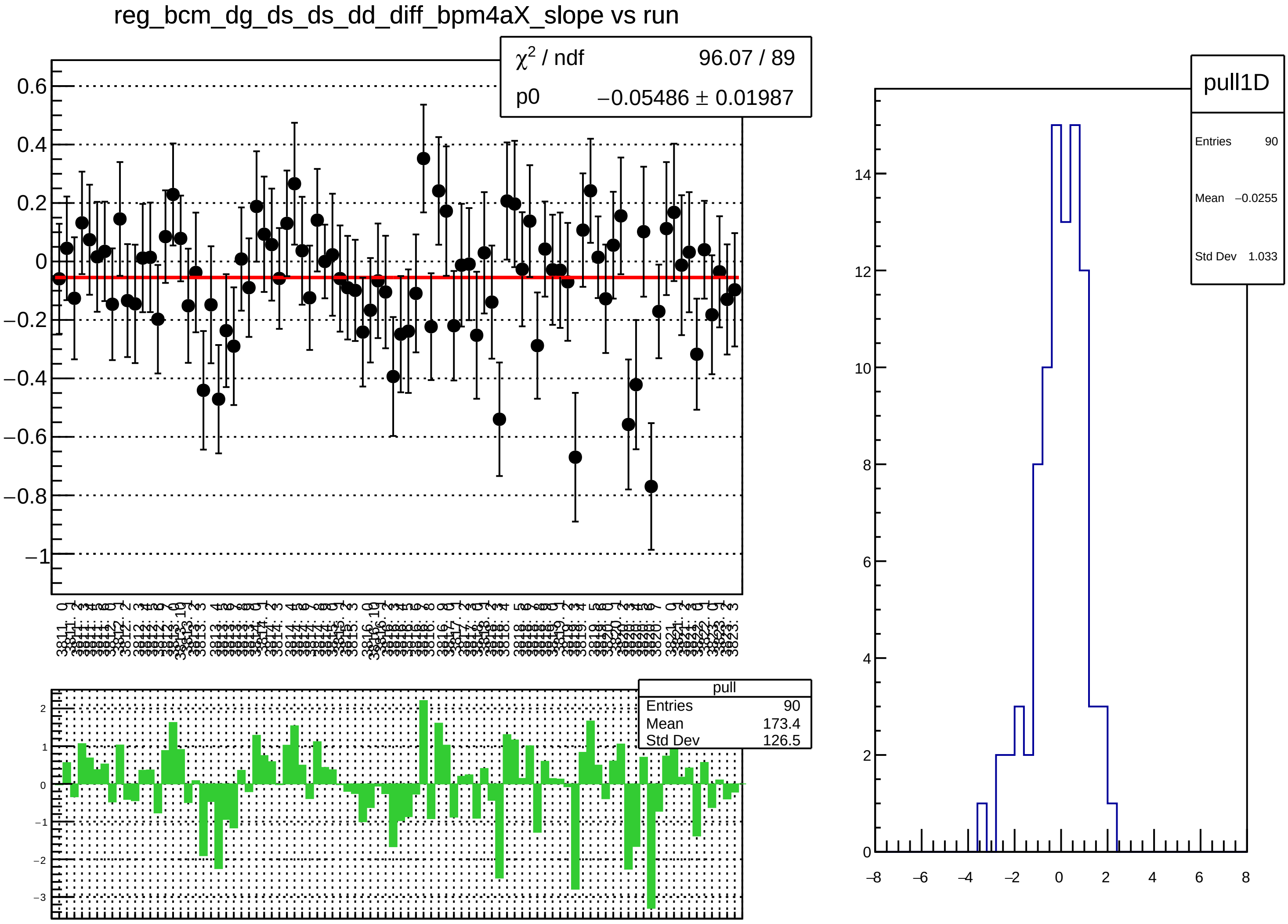

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 69.32 / 89
p0 0.02072 ± 0.004567
pull
Entries 90
Mean −408
Std Dev 457.9
pull1D
Entries 90
Mean 0.005389
Std Dev 0.8776

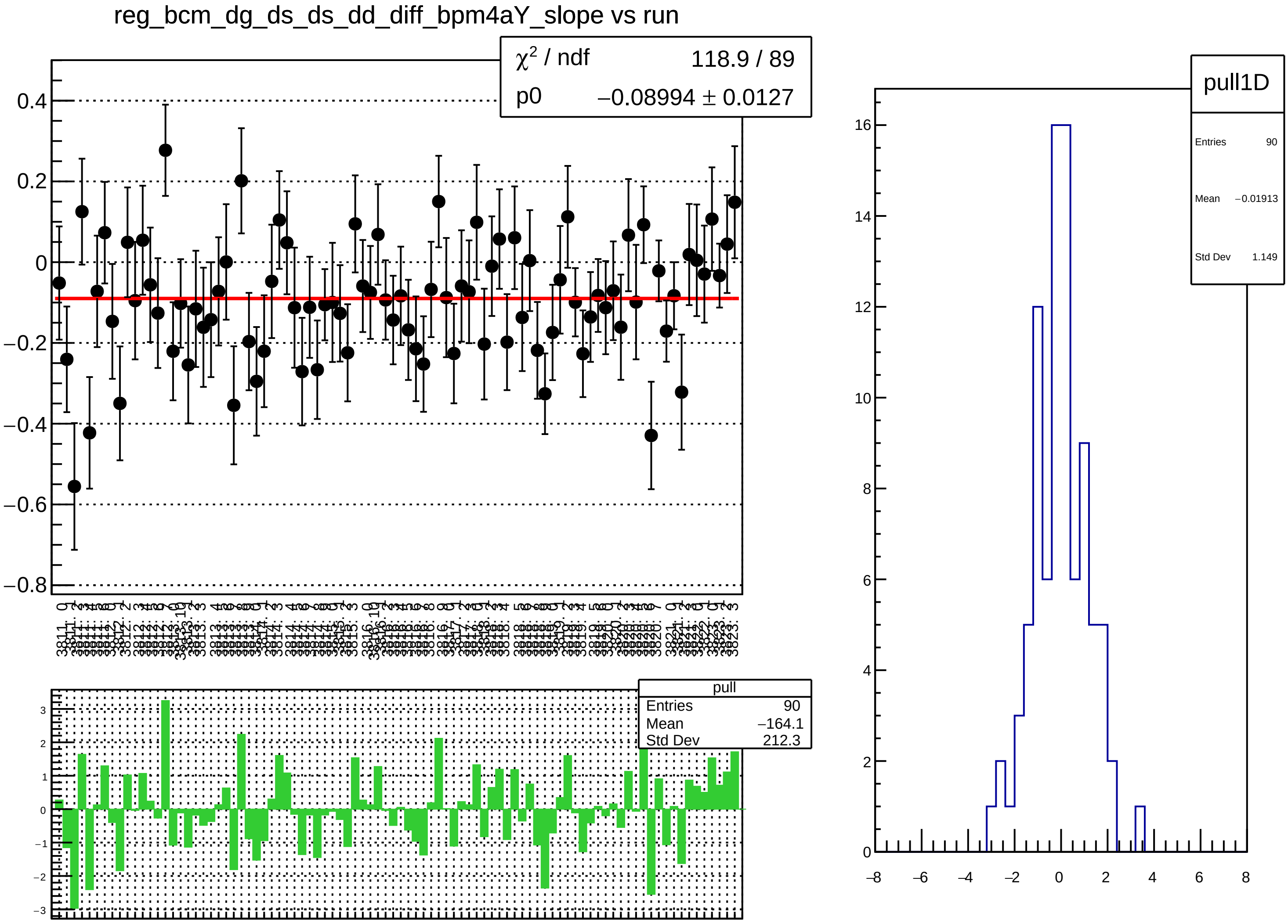


reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 144 / 89
p0 0.1682 ± 0.02571
pull
Entries 90
Mean −3.803
Std Dev 50.06
pull1D
Entries 90
Mean 0.07588
Std Dev 1.262

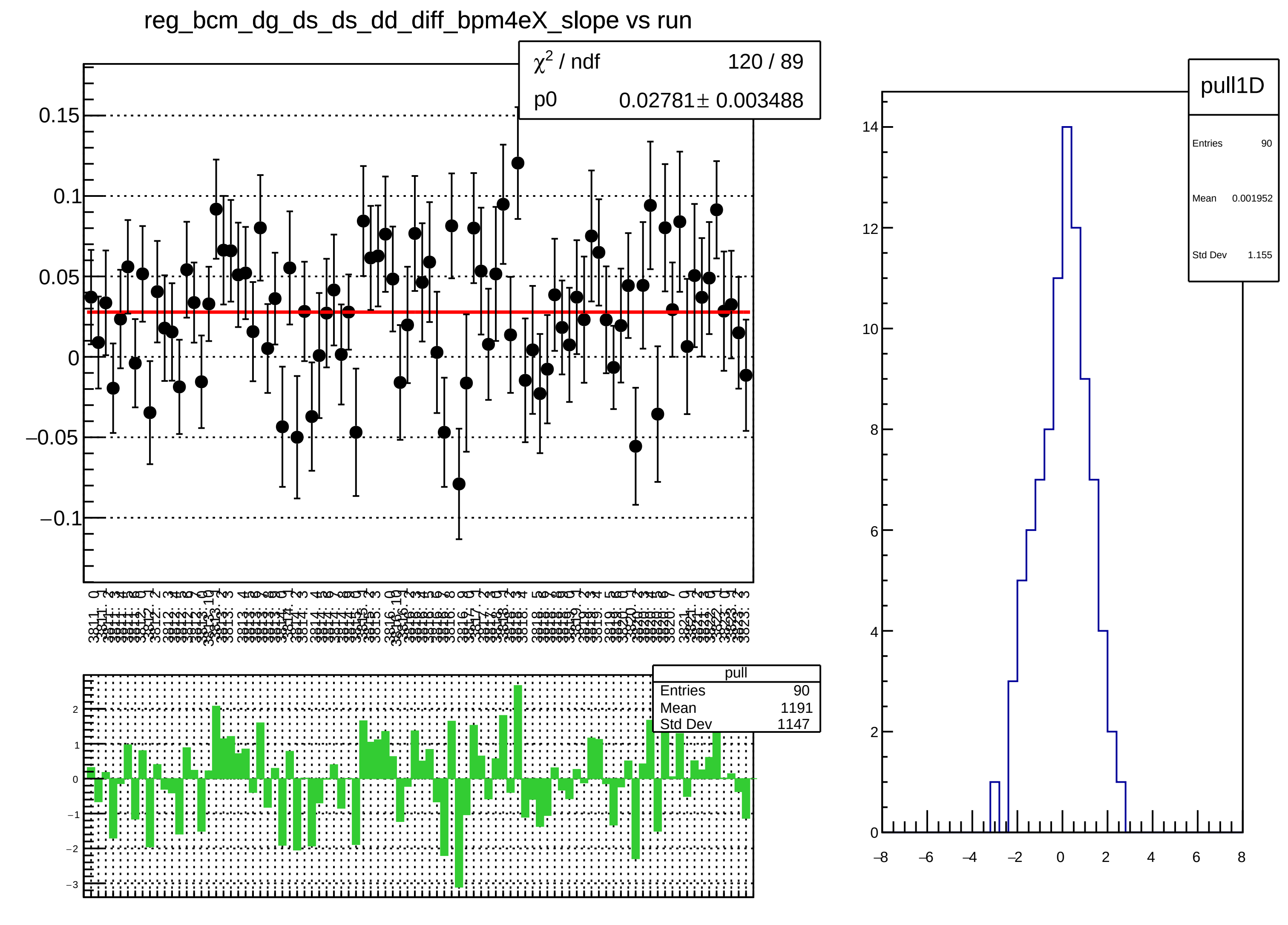
reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run



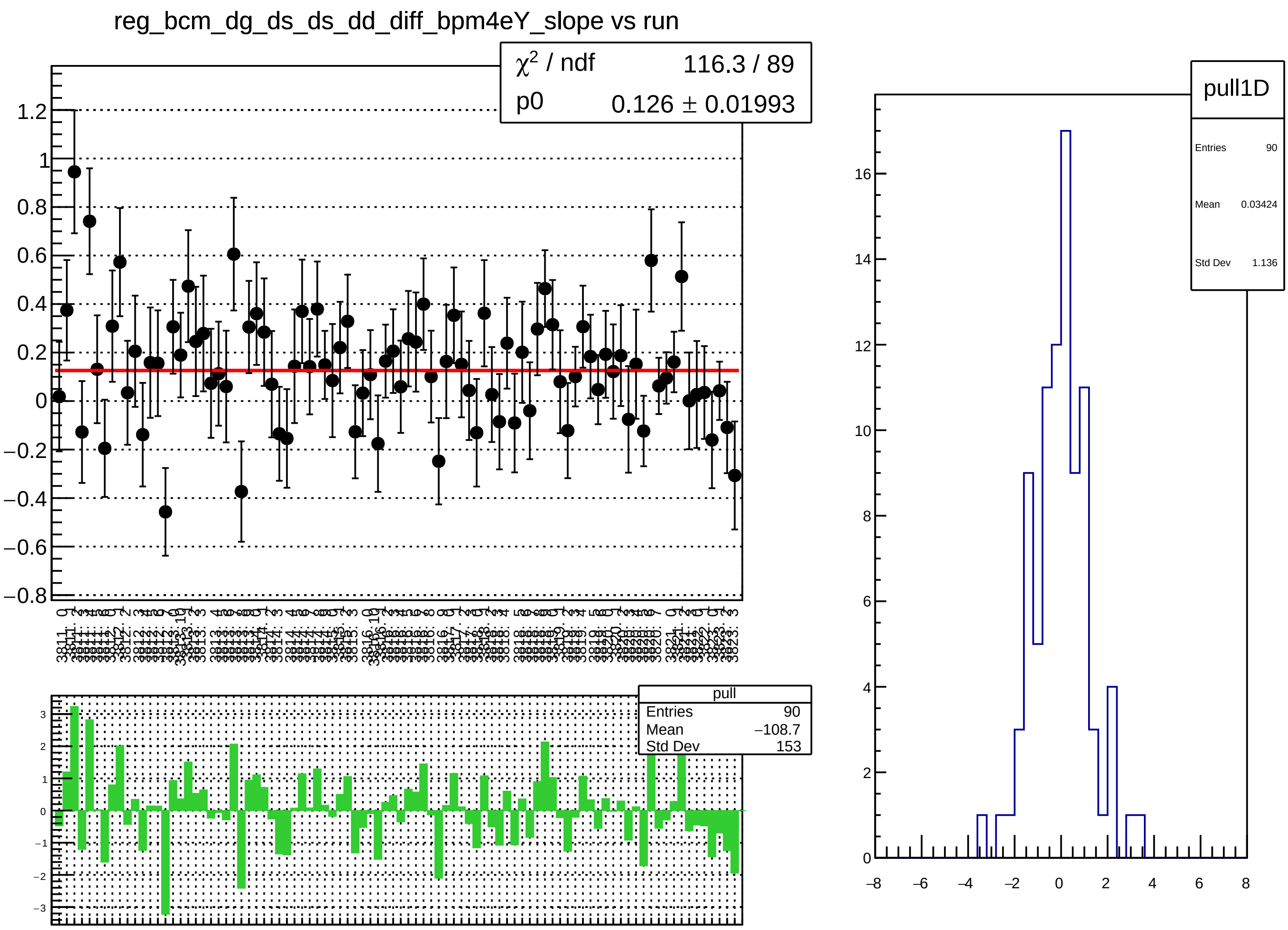

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 96.07 / 89
p0 −0.05486 ± 0.01987
pull
Entries 90
Mean 173.4
Std Dev 126.5
pull1D
Entries 90
Mean −0.0255
Std Dev 1.033



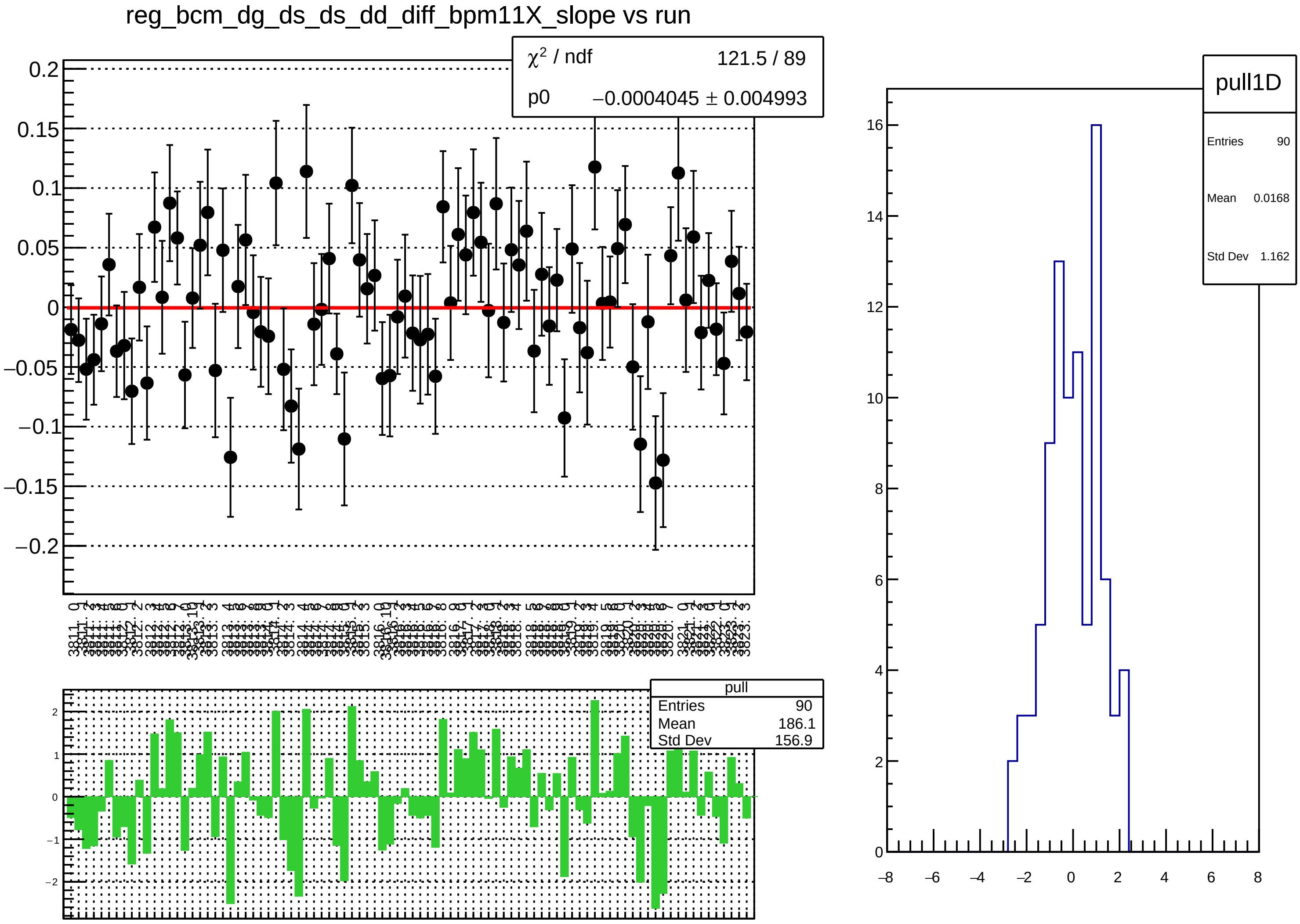
reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 118.9 / 89
p0 −0.08994 ± 0.0127
pull
Entries 90
Mean −164.1
Std Dev 212.3
pull1D
Entries 90
Mean −0.01913
Std Dev 1.149



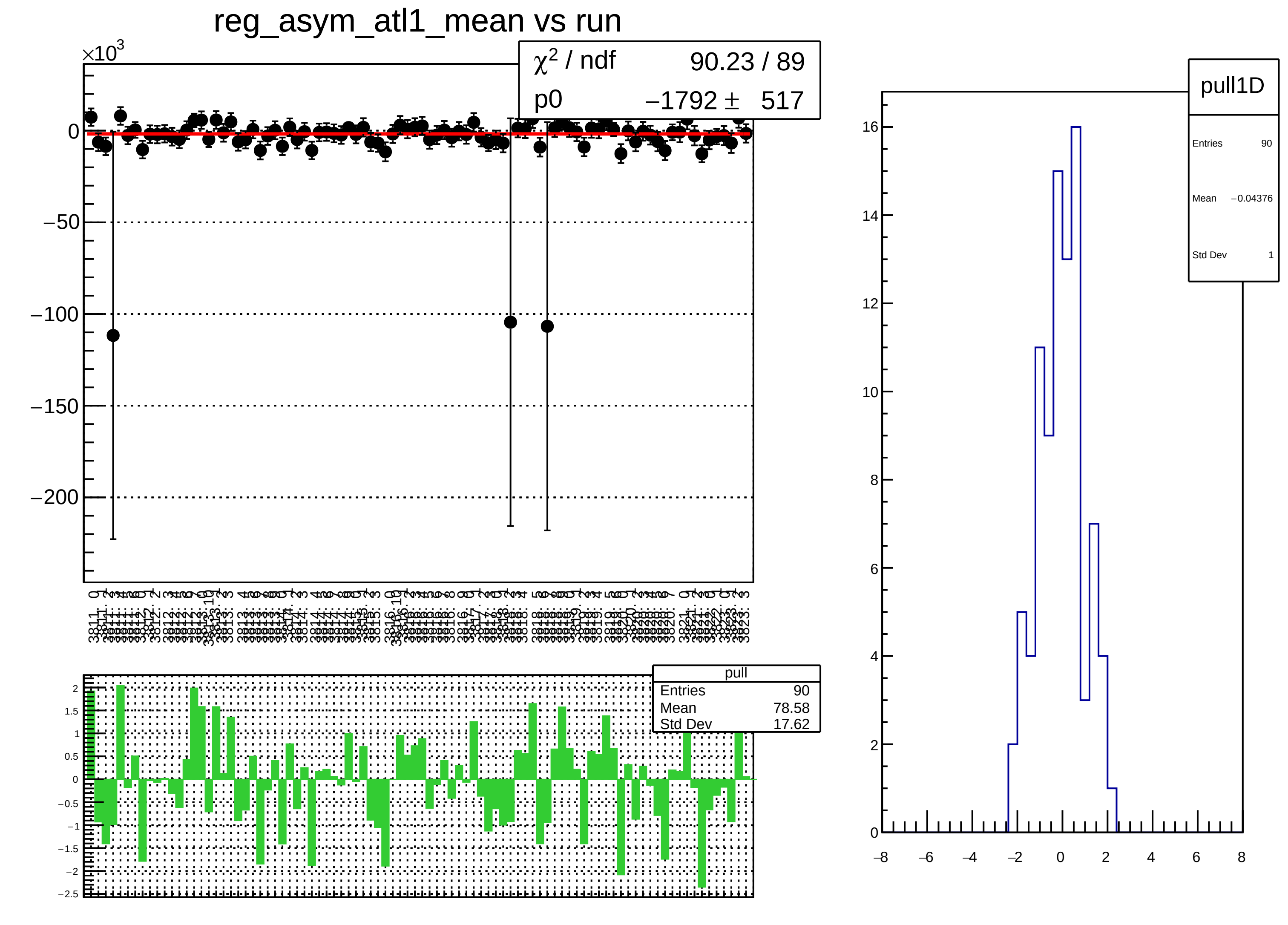
reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 120 / 89
p0 0.02781 ± 0.003488
pull
Entries 90
Mean 1191
Std Dev 1147
pull1D
Entries 90
Mean 0.001952
Std Dev 1.155



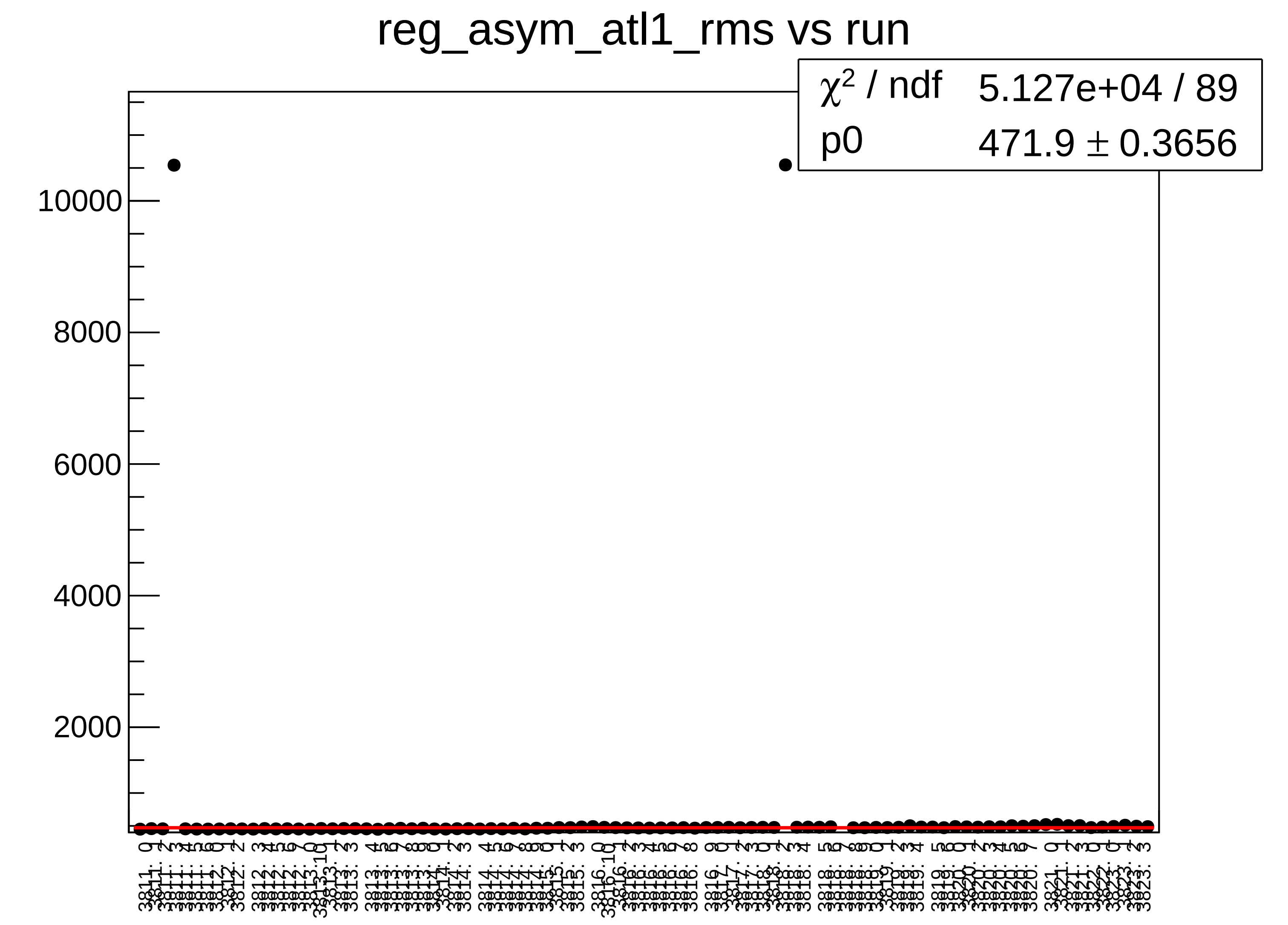
reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 116.3 / 89
p0 0.126 ± 0.01993
pull
Entries 90
Mean −108.7
Std Dev 153
pull1D
Entries 90
Mean 0.03424
Std Dev 1.136



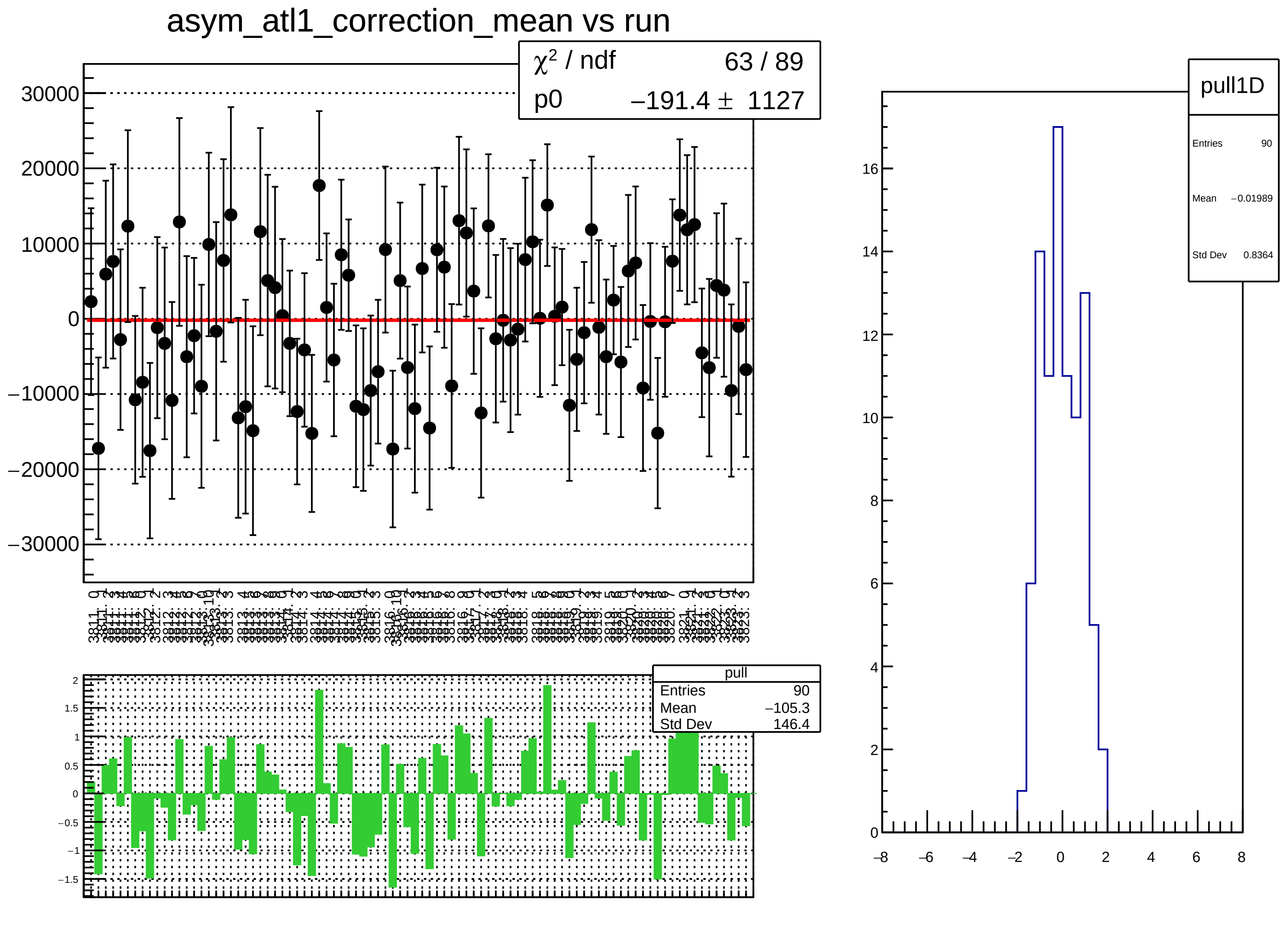
reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 121.5 / 89
p0 −0.0004045 ± 0.004993
pull
Entries 90
Mean 186.1
Std Dev 156.9
pull1D
Entries 90
Mean 0.0168
Std Dev 1.162



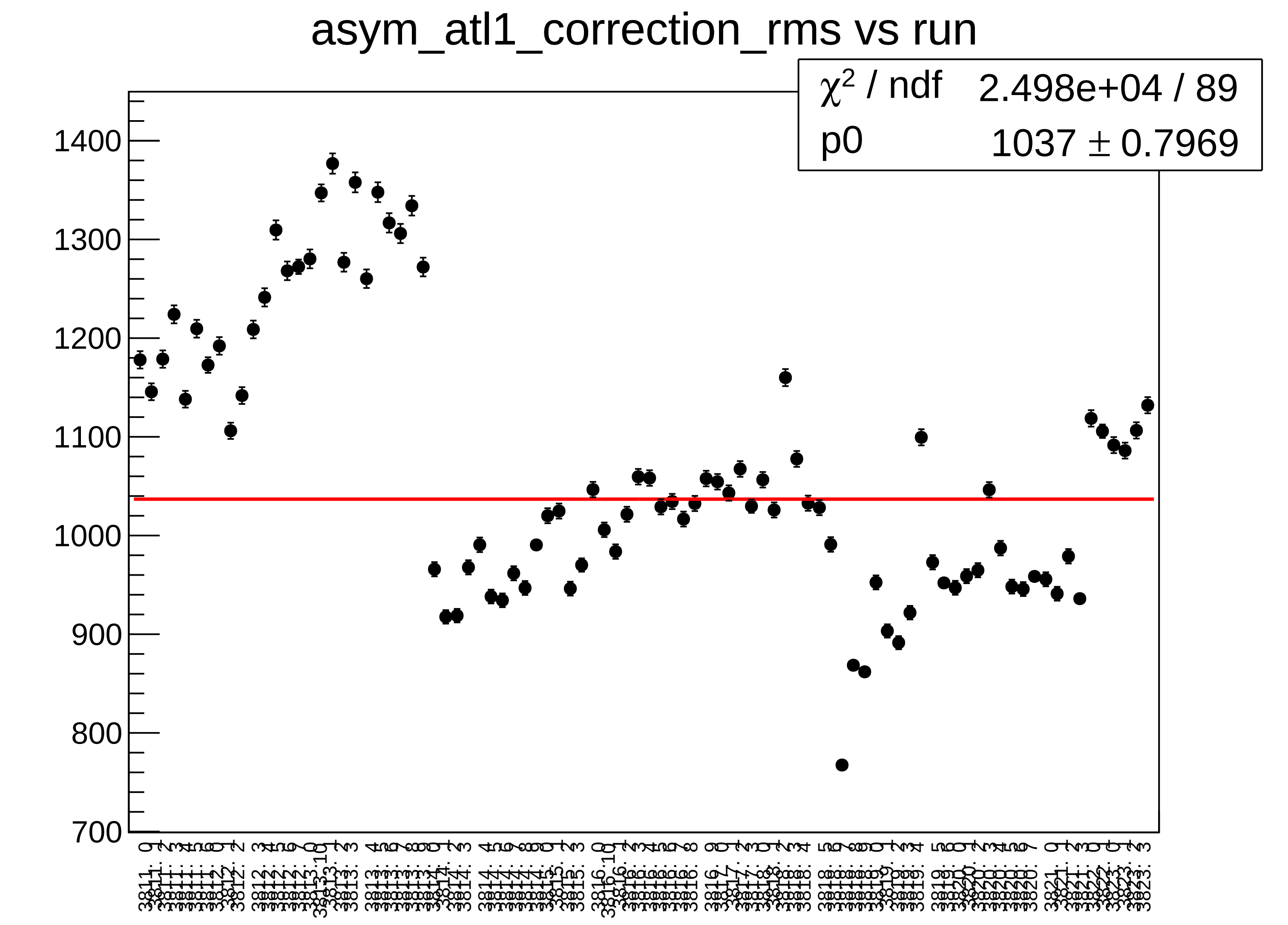
reg_asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 90.23 / 89
p0 −1792 ± 517
pull
Entries 90
Mean 78.58
Std Dev 17.62
pull1D
Entries 90
Mean −0.04376
Std Dev 1



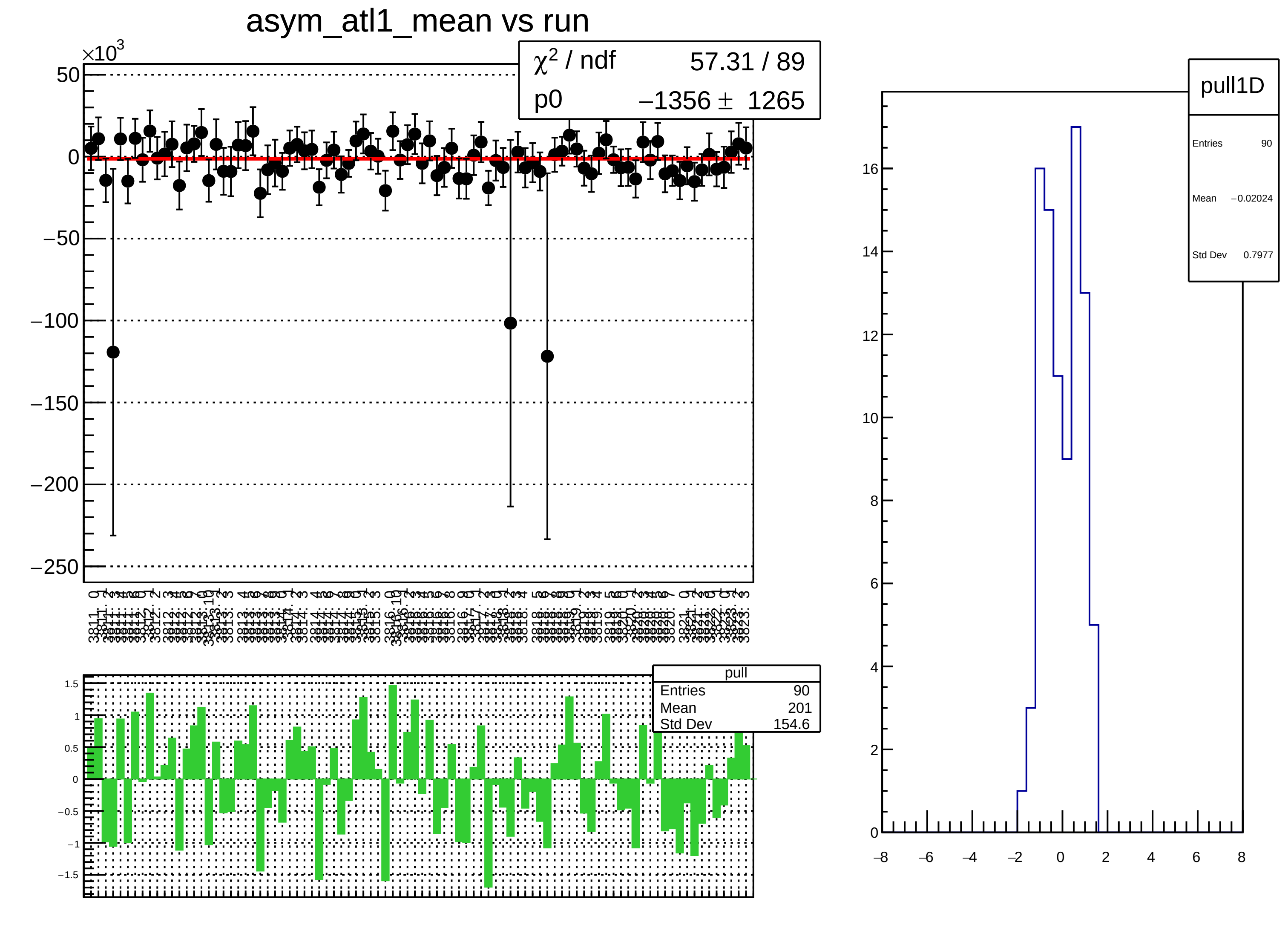
reg_asym_atl1_rms vs run
χ^2 / ndf 5.127e+04 / 89
p0 471.9 ± 0.3656
10000
8000
6000
4000
2000



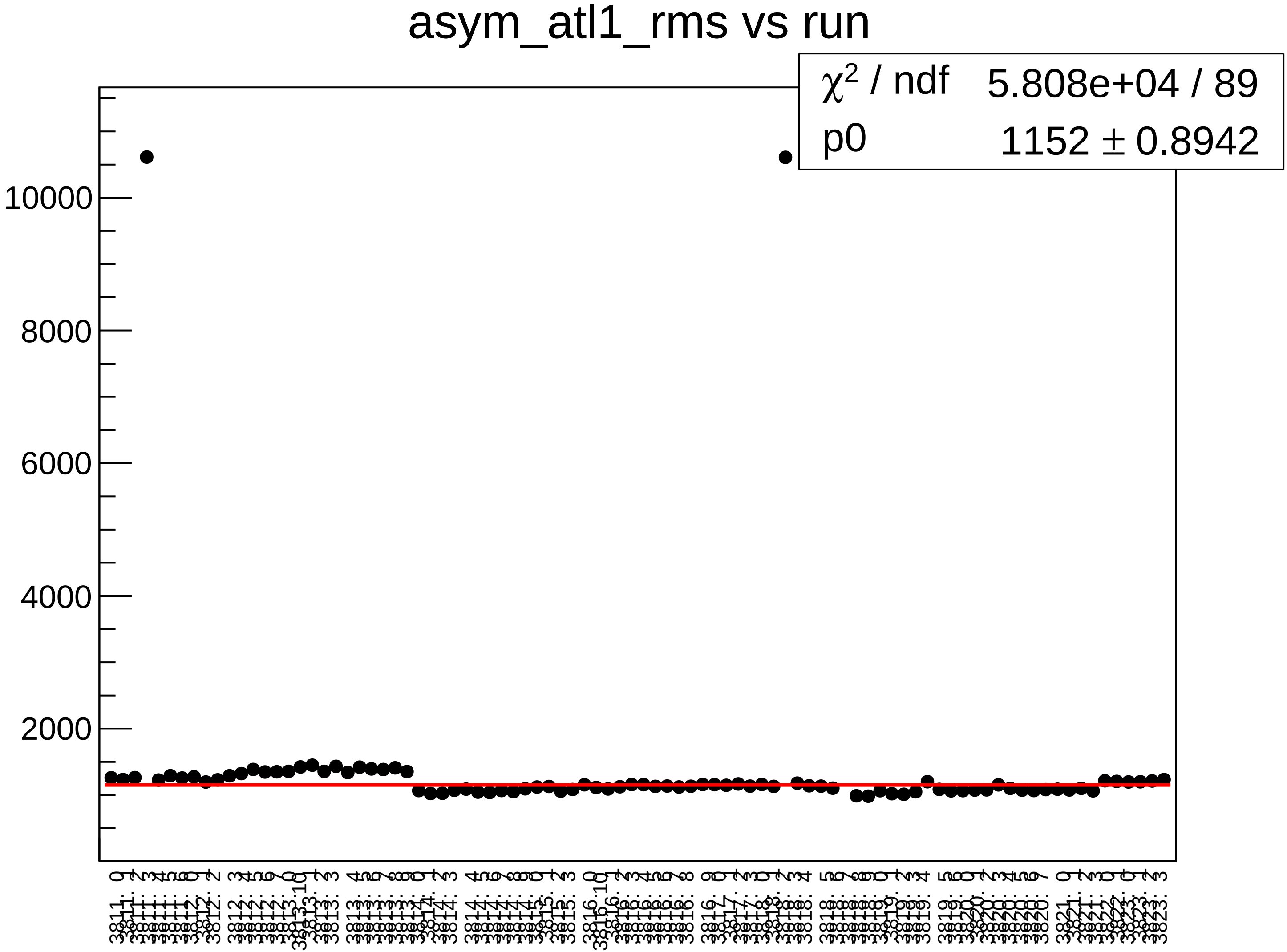
asym_atl1_correction_mean vs run
χ^2 / ndf 63 / 89
p0 −191.4 ± 1127
pull
Entries 90
Mean −105.3
Std Dev 146.4
pull1D
Entries 90
Mean −0.01989
Std Dev 0.8364



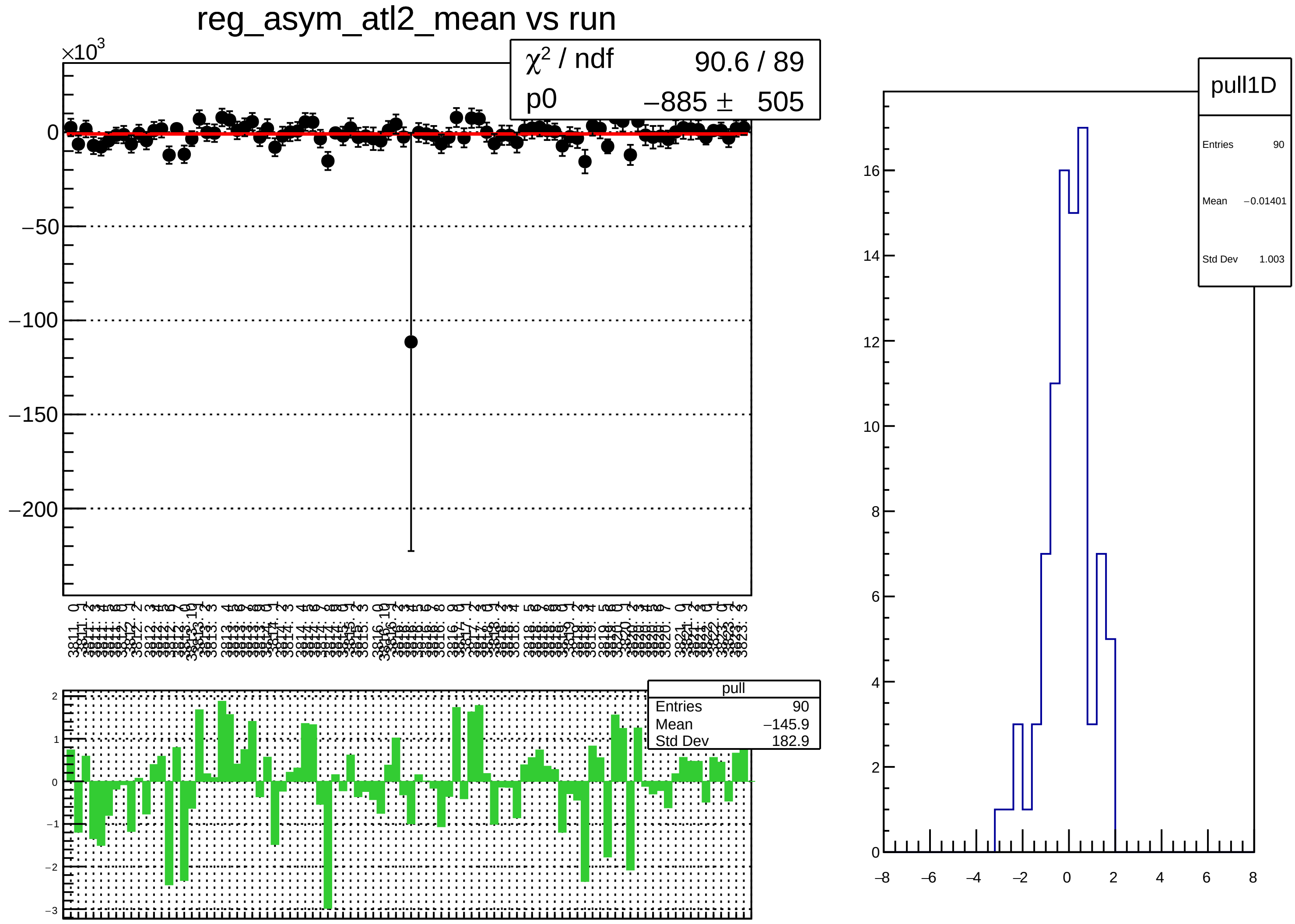
asym_atl1_correction_rms vs run
χ2 / ndf 2.498e+04 / 89
p0 1037 ± 0.7969
1400
1300
1200
1100
1000
900
800
700

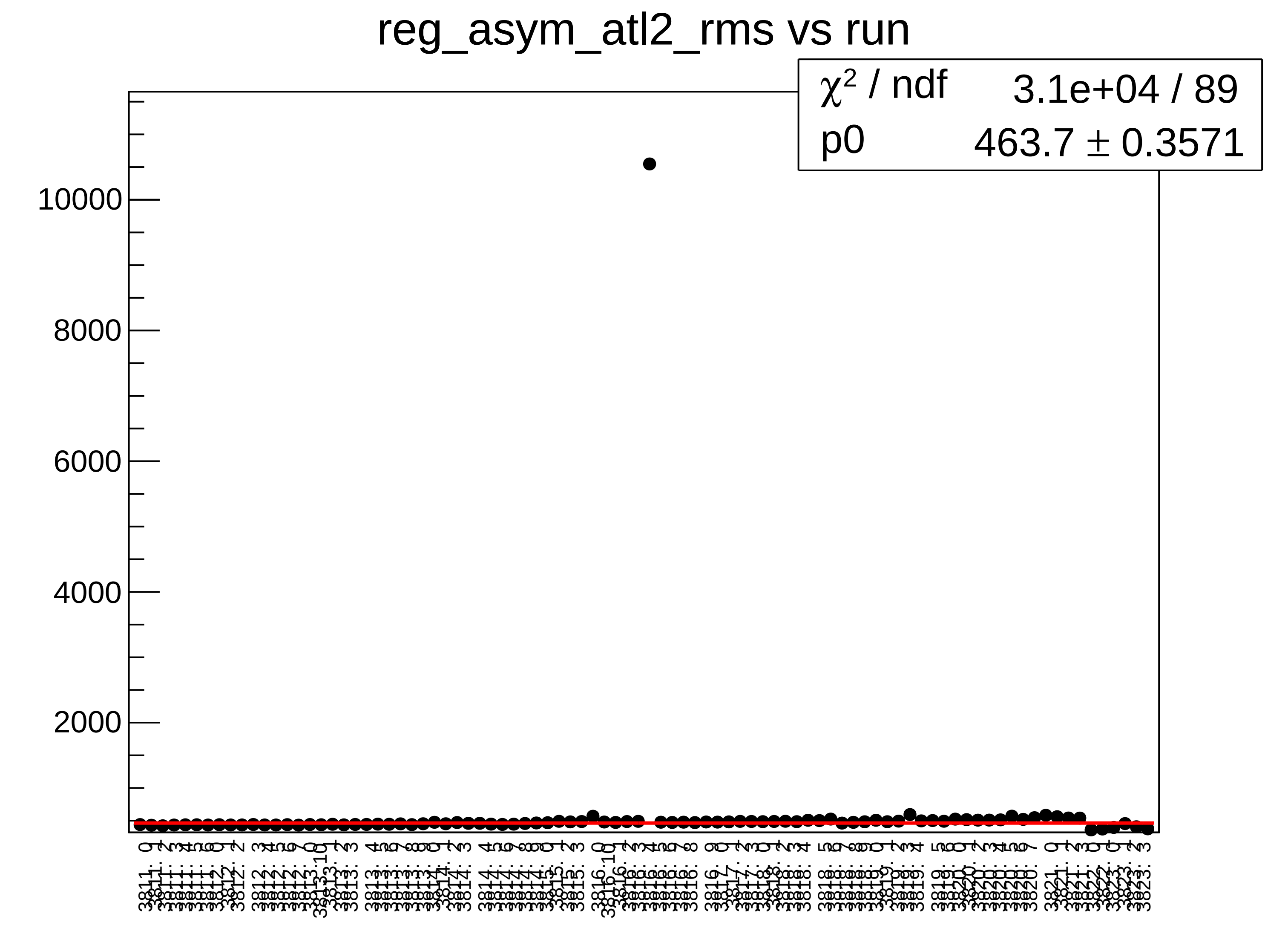


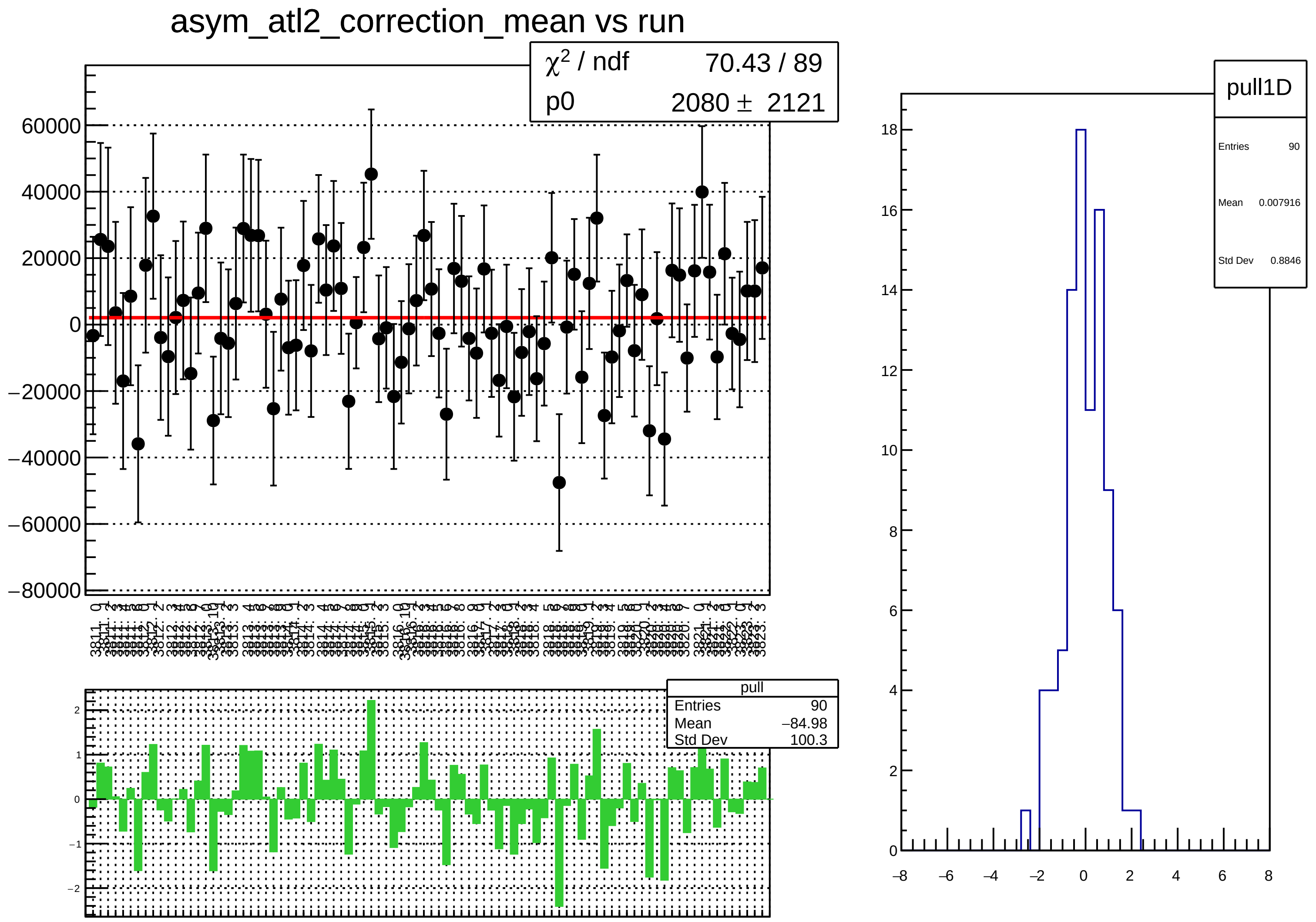
asym_atl1_mean vs run
χ2 / ndf 57.31 / 89
p0 −1356 ± 1265
×10^3
pull
Entries 90
Mean 201
Std Dev 154.6
pull1D
Entries 90
Mean −0.02024
Std Dev 0.7977

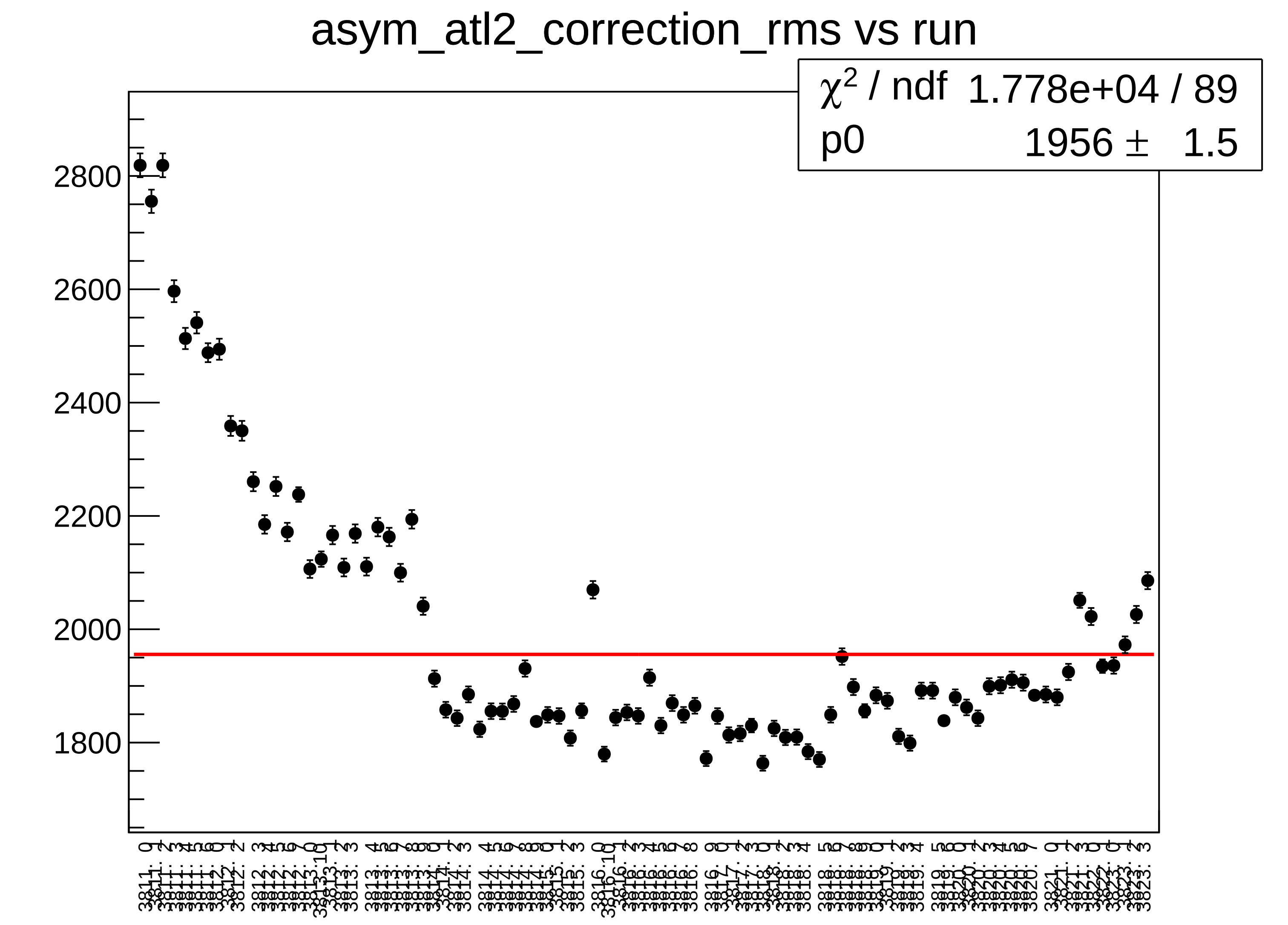


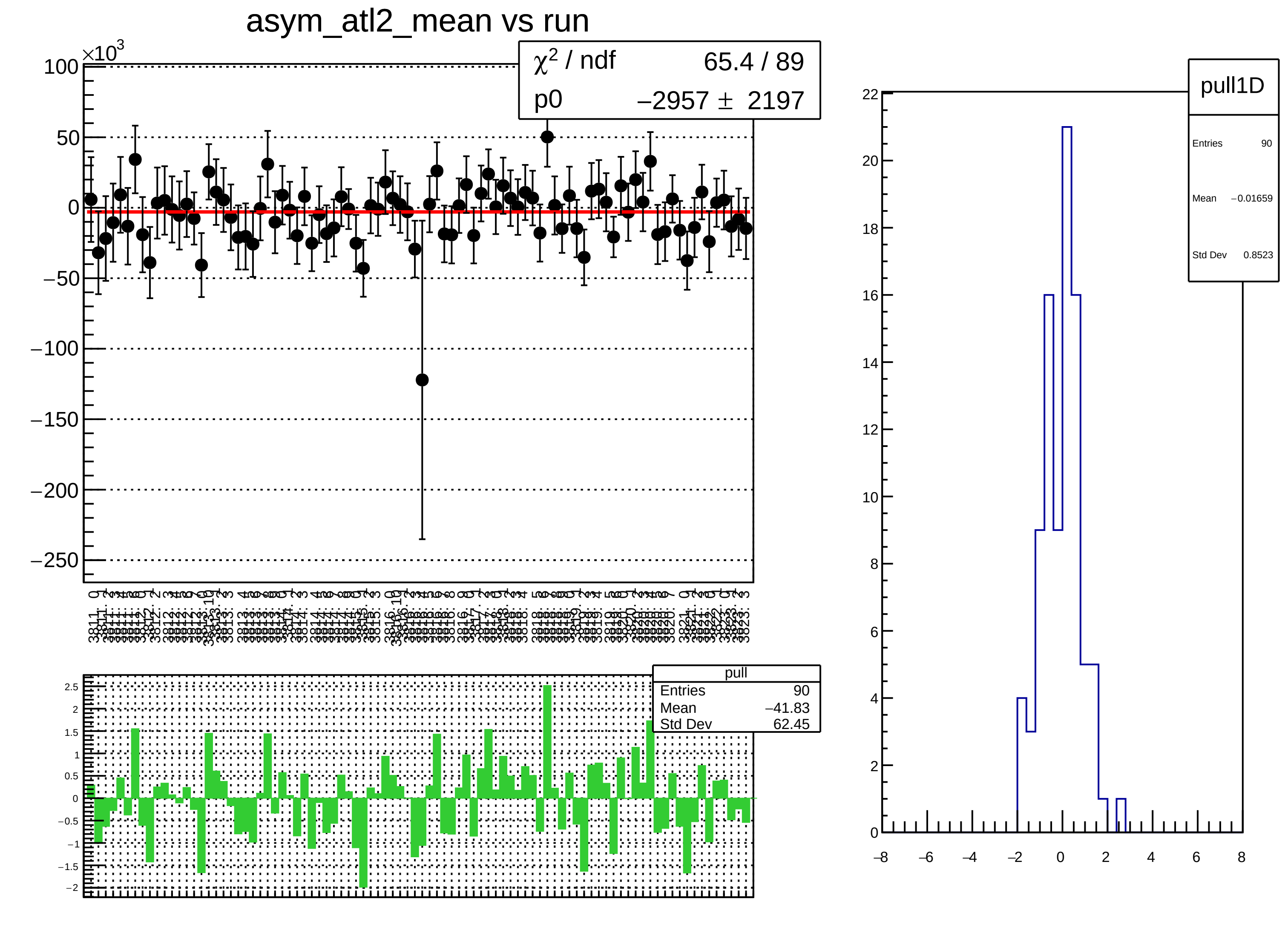
asym_atl1_rms vs run
χ^2 / ndf 5.808e+04 / 89
p0 1152 ± 0.8942
10000
8000
6000
4000
2000


reg_asym_atl2_mean vs run
×10^3
χ2 / ndf 90.6 / 89
p0 −885 ± 505
0
−50
−100
−150
−200
pull
Entries 90
Mean −145.9
Std Dev 182.9
pull1D
Entries 90
Mean −0.01401
Std Dev 1.003

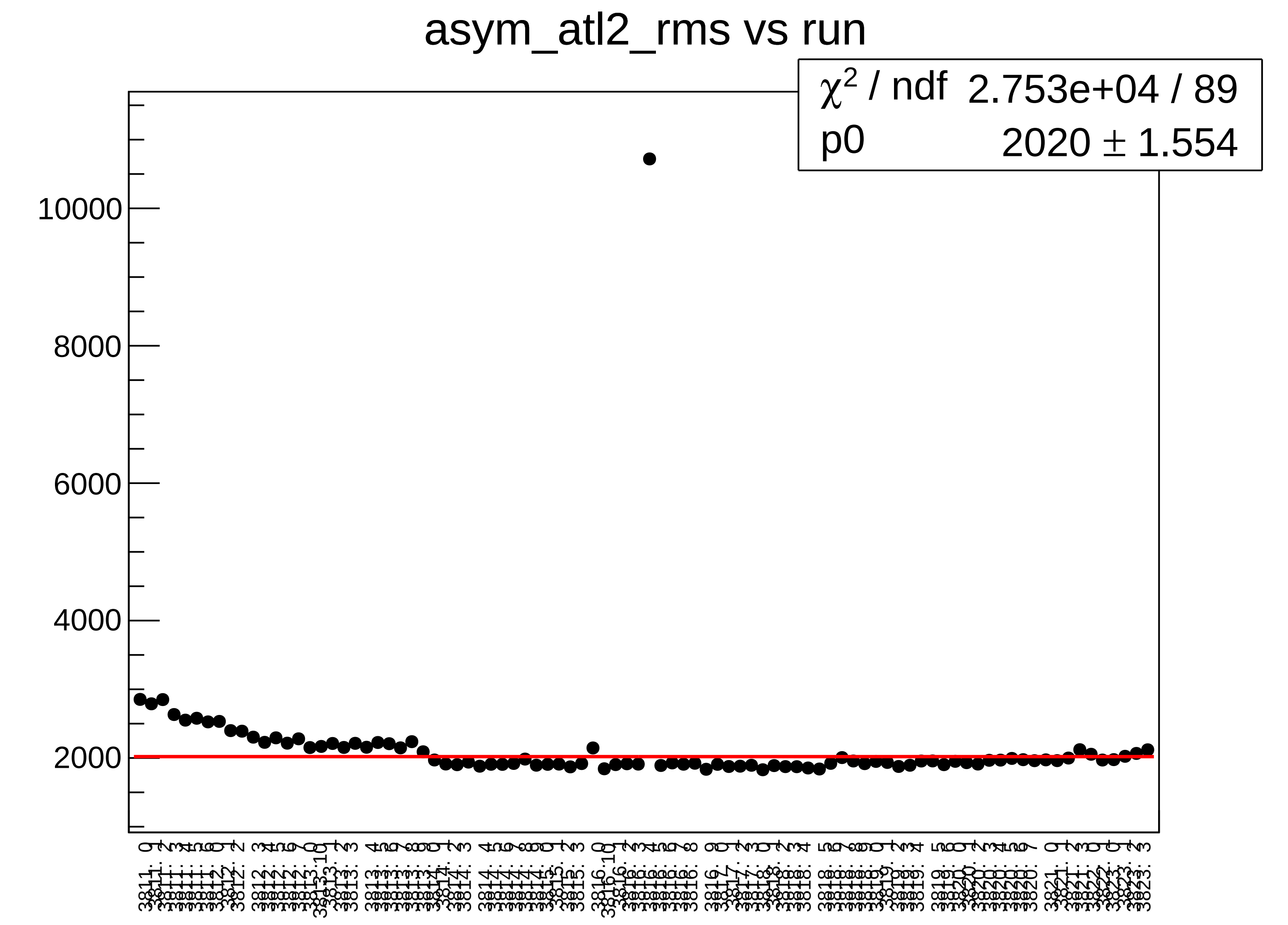

reg_asym_atl2_rms vs run
χ^2 / ndf 3.1e+04 / 89
p0 463.7 ± 0.3571
10000
8000
6000
4000
2000


asym_atl2_correction_mean vs run
χ^2 / ndf 70.43 / 89
p0 2080 ± 2121
pull
Entries 90
Mean −84.98
Std Dev 100.3
pull1D
Entries 90
Mean 0.007916
Std Dev 0.8846

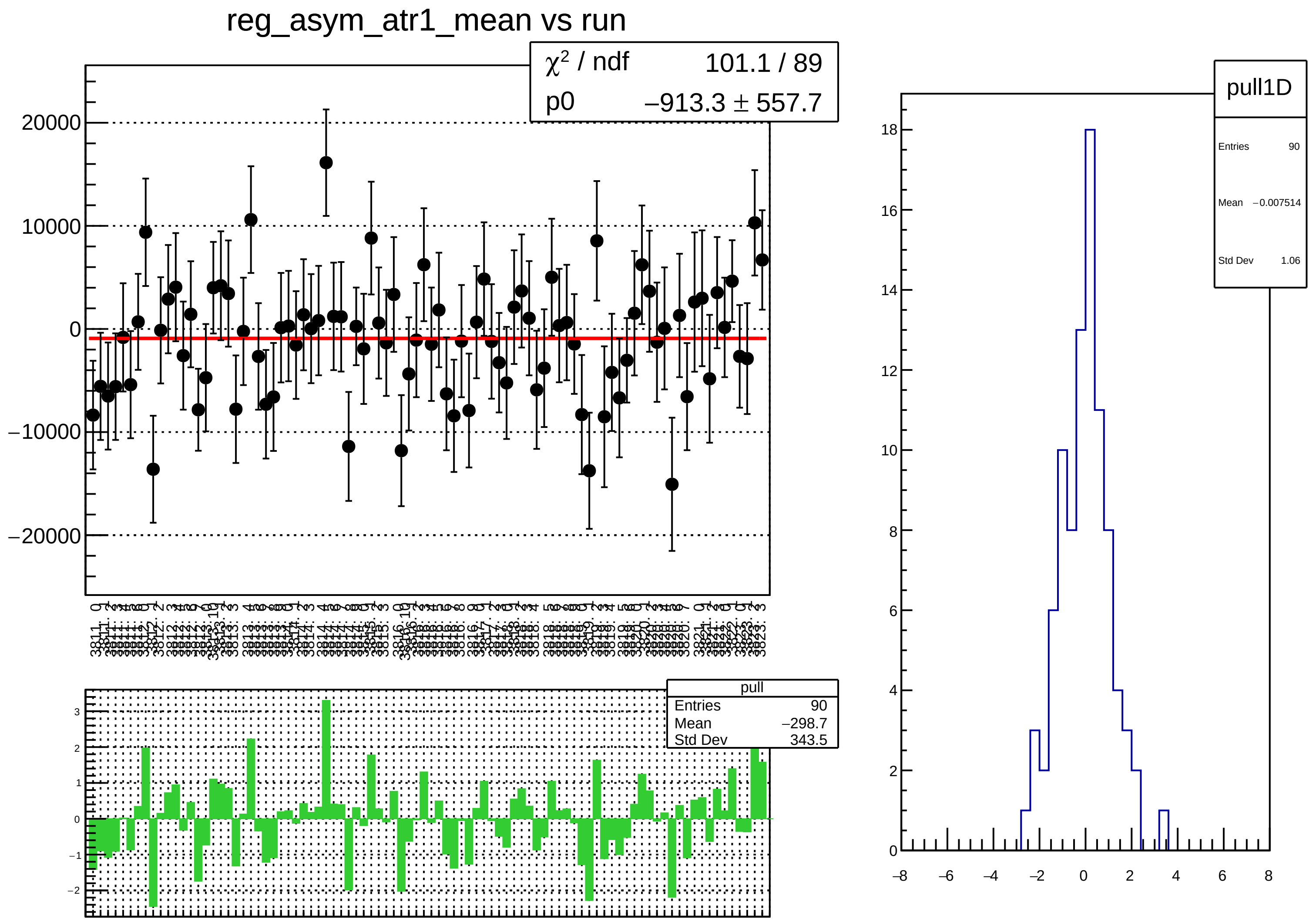

asym_atl2_correction_rms vs run
χ2 / ndf 1.778e+04 / 89
p0 1956 ± 1.5
2800
2600
2400
2200
2000
1800



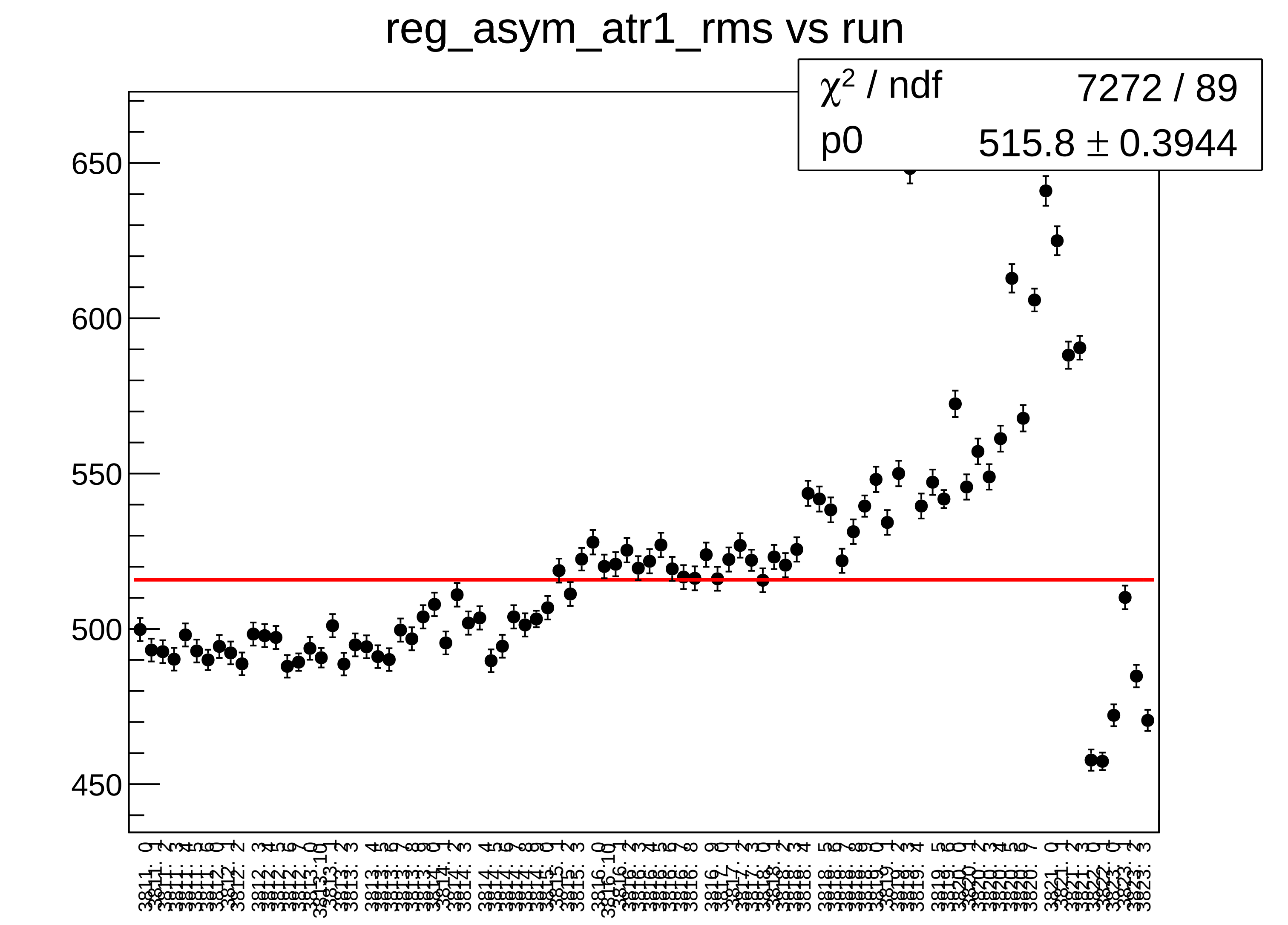
asym_atl2_mean vs run
χ^2 / ndf 65.4 / 89
p0 −2957 ± 2197
pull
Entries 90
Mean −41.83
Std Dev 62.45
pull1D
Entries 90
Mean −0.01659
Std Dev 0.8523

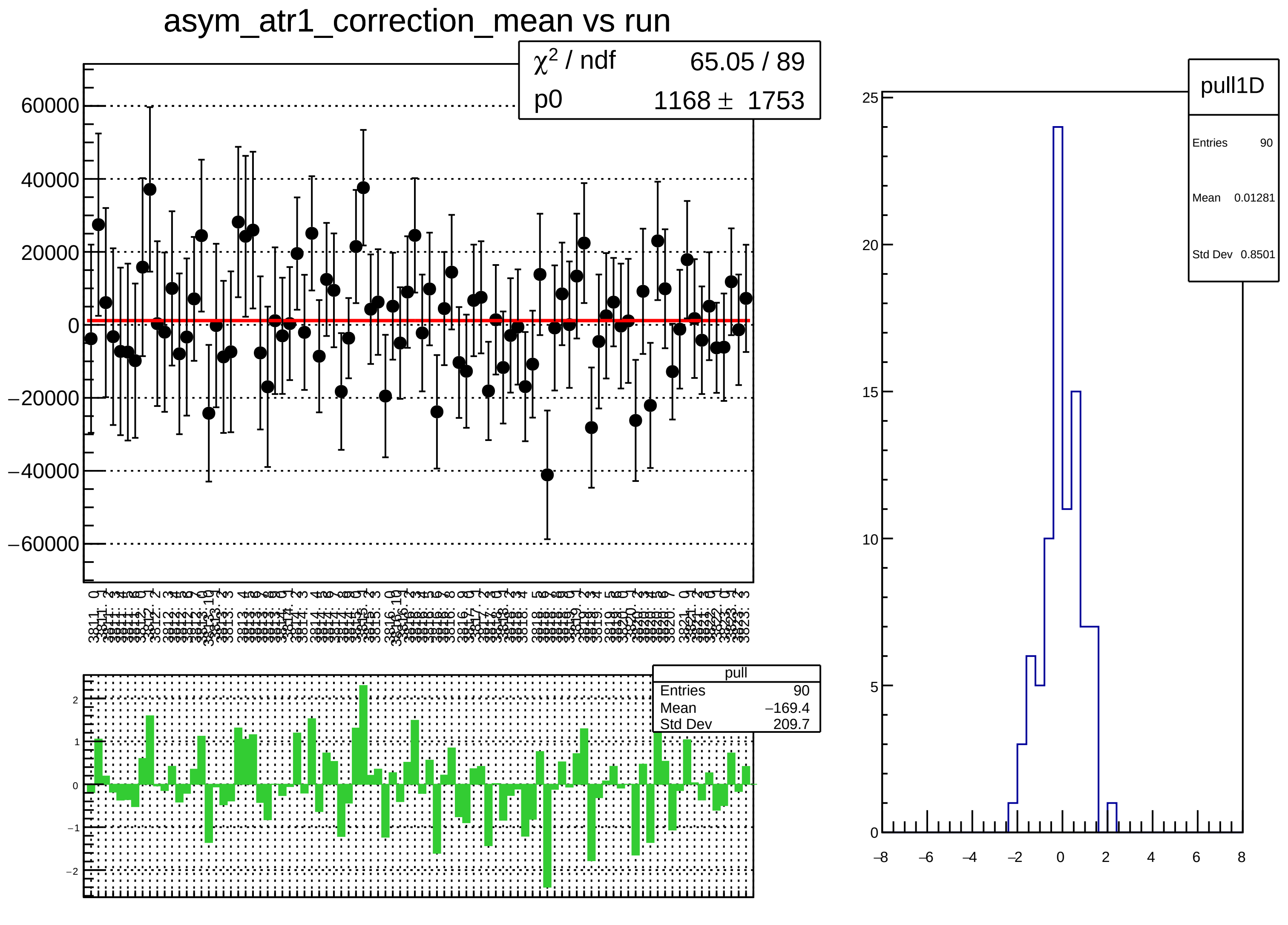


asym_atl2_rms vs run
χ² / ndf 2.753e+04 / 89
p0 2020 ± 1.554
10000
8000
6000
4000
2000

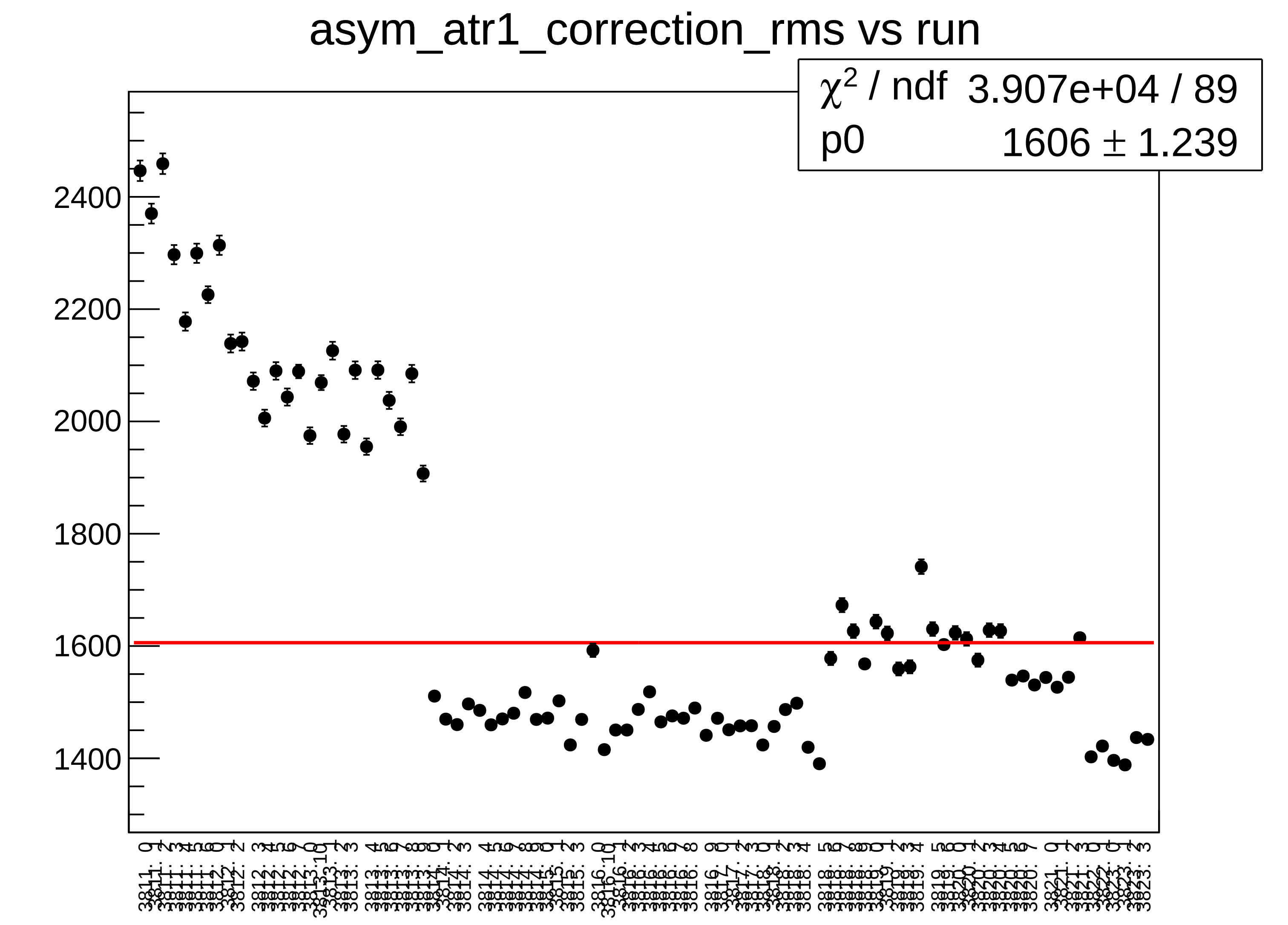


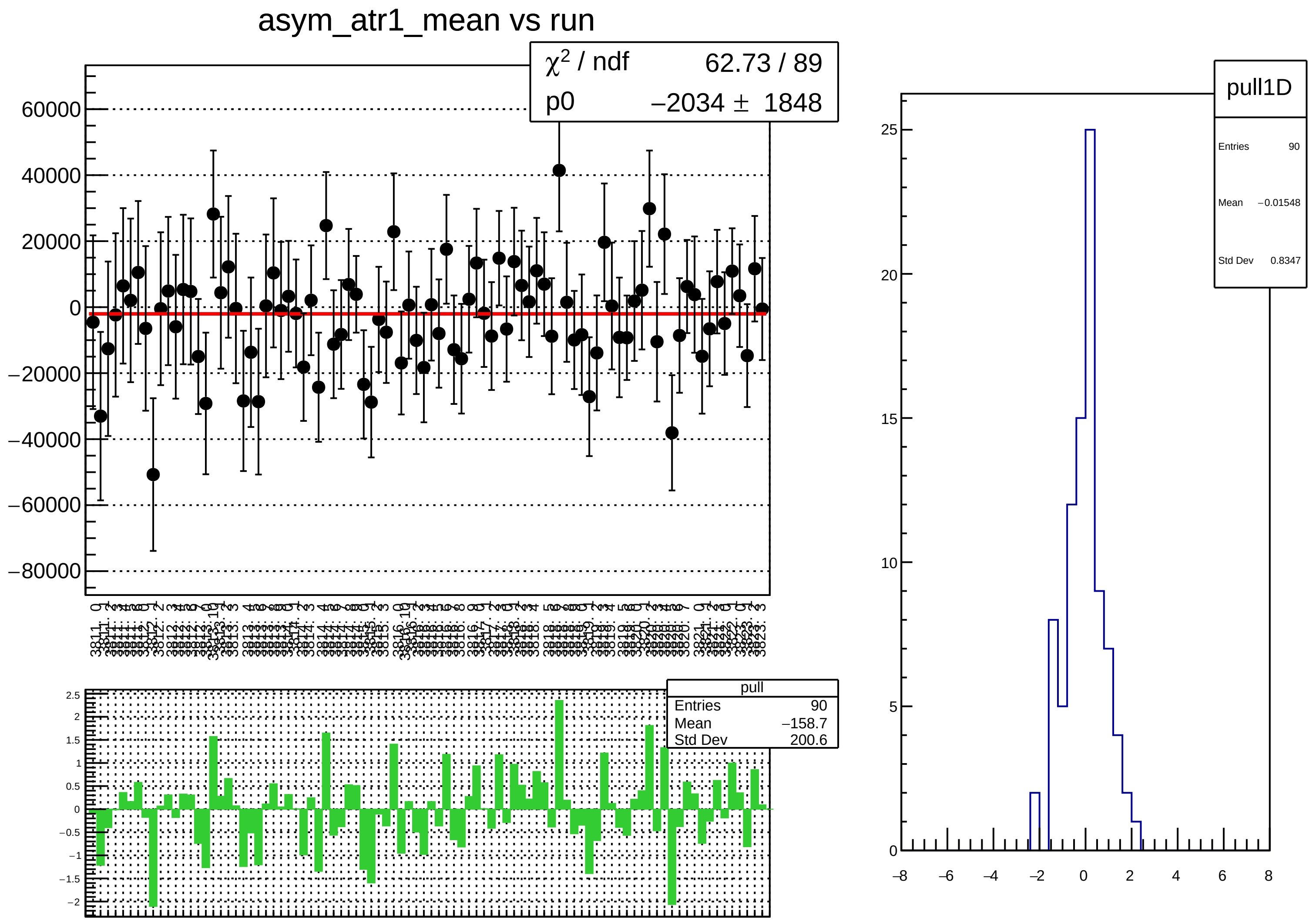
reg_asym_atr1_mean vs run
χ^2 / ndf 101.1 / 89
p0 −913.3 ± 557.7
pull
Entries 90
Mean −298.7
Std Dev 343.5
pull1D
Entries 90
Mean −0.007514
Std Dev 1.06

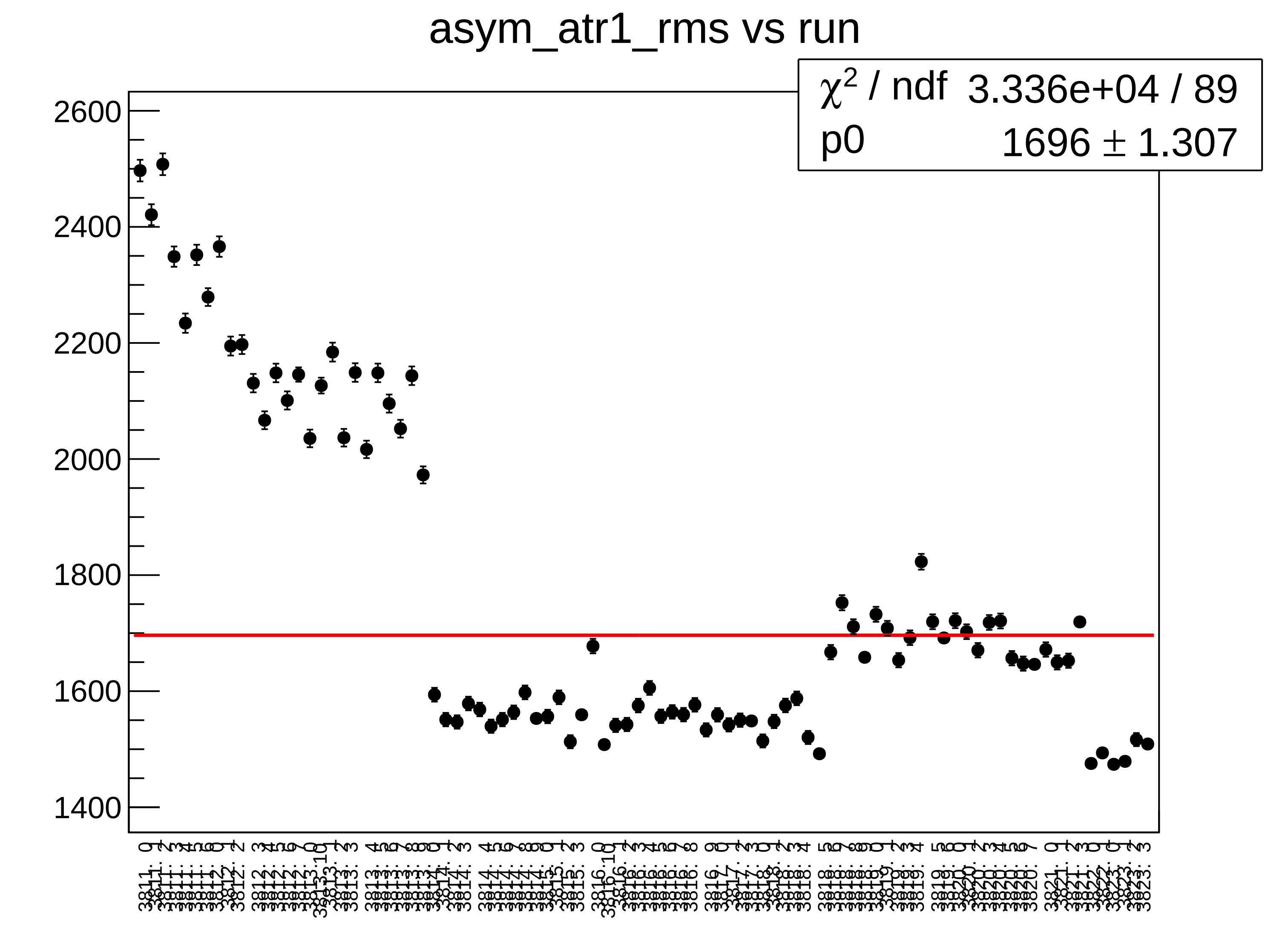

reg_asym_atr1_rms vs run
χ^2 / ndf 7272 / 89
p0 515.8 ± 0.3944
650
600
550
500
450



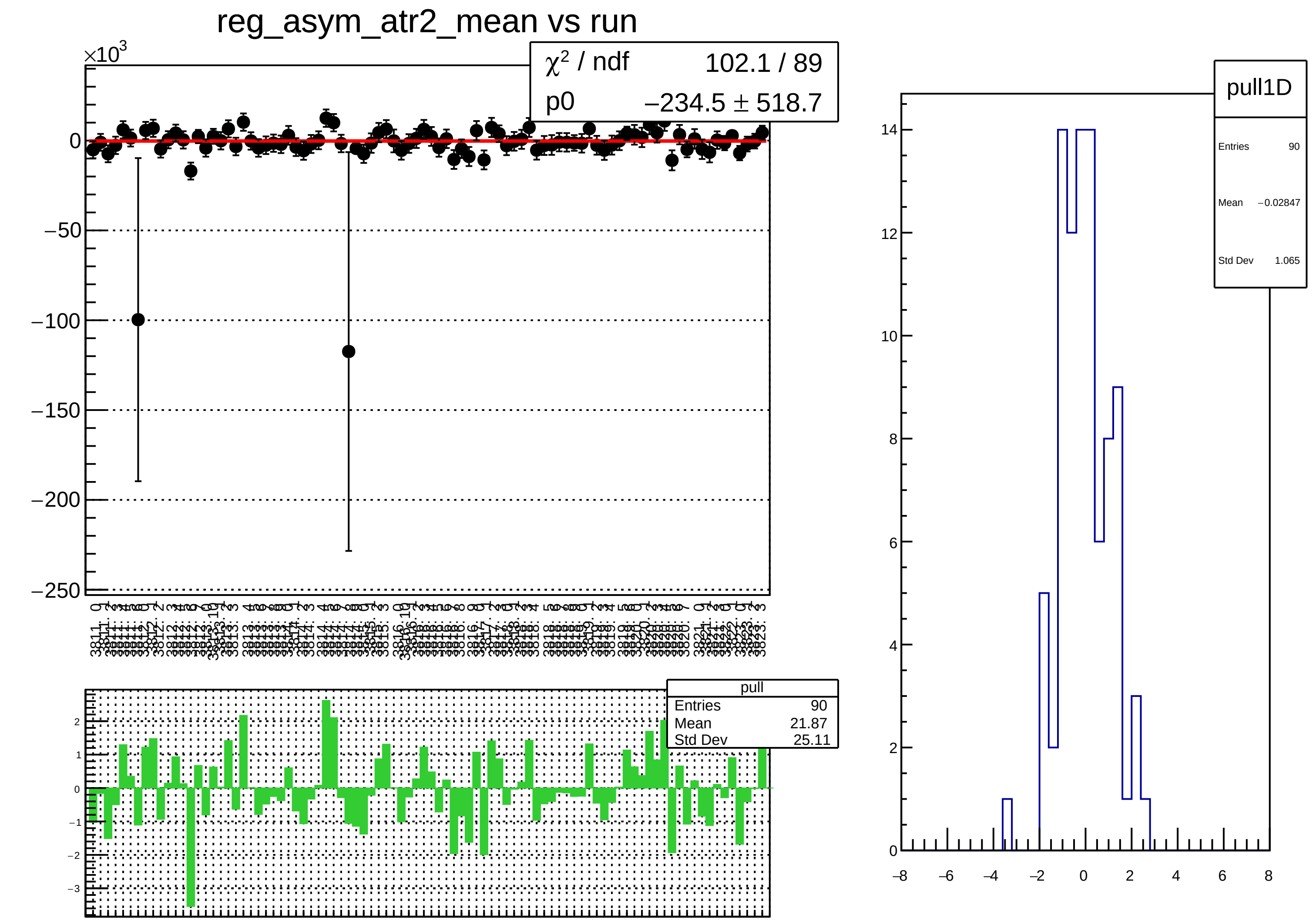
asym_atr1_correction_mean vs run
χ^2 / ndf 65.05 / 89
p0 1168 ± 1753
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 90
Mean −169.4
Std Dev 209.7
pull1D
Entries 90
Mean 0.01281
Std Dev 0.8501

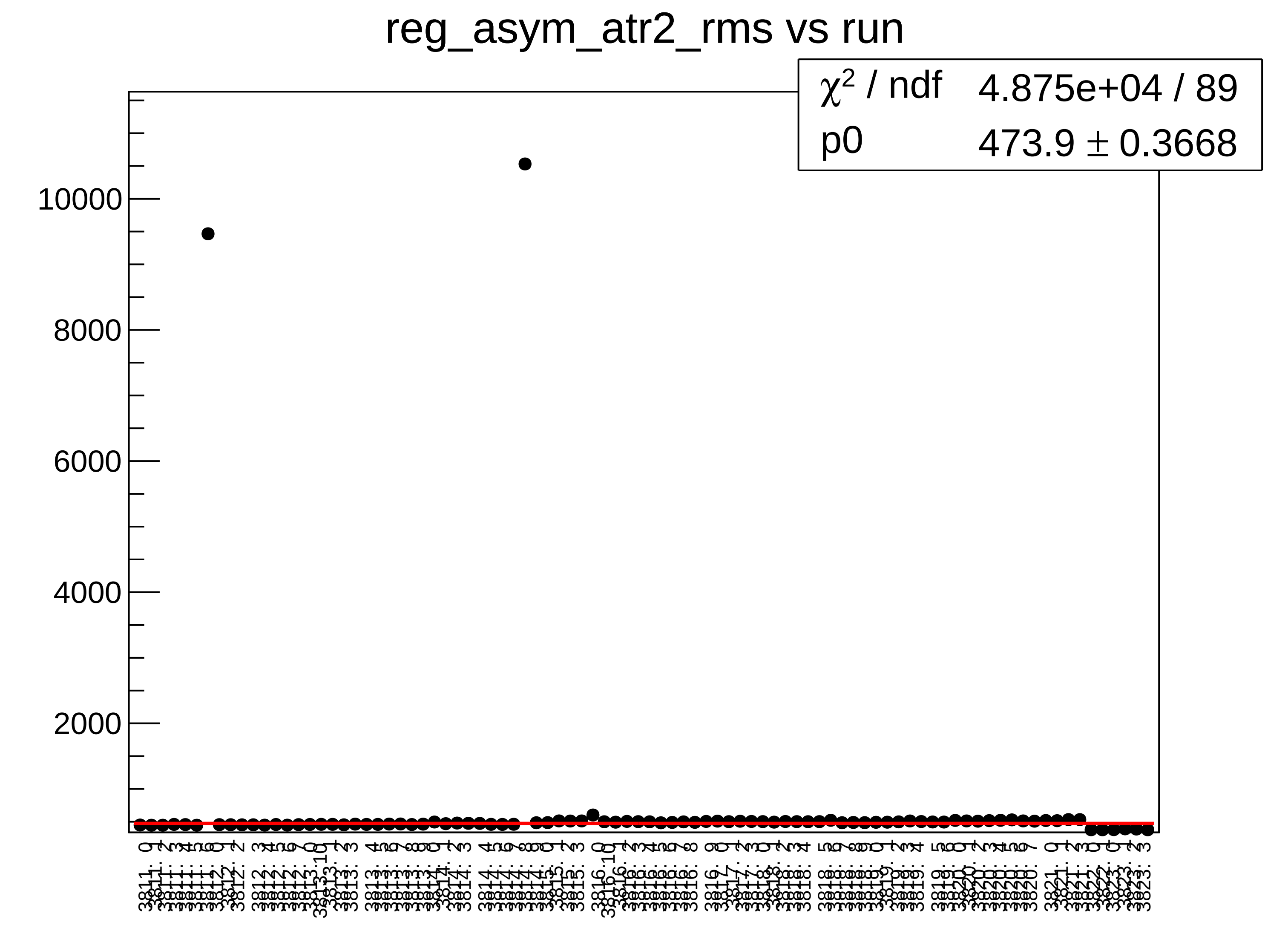

asym_atr1_correction_rms vs run
χ^2 / ndf 3.907e+04 / 89
p0 1606 ± 1.239
2400
2200
2000
1800
1600
1400

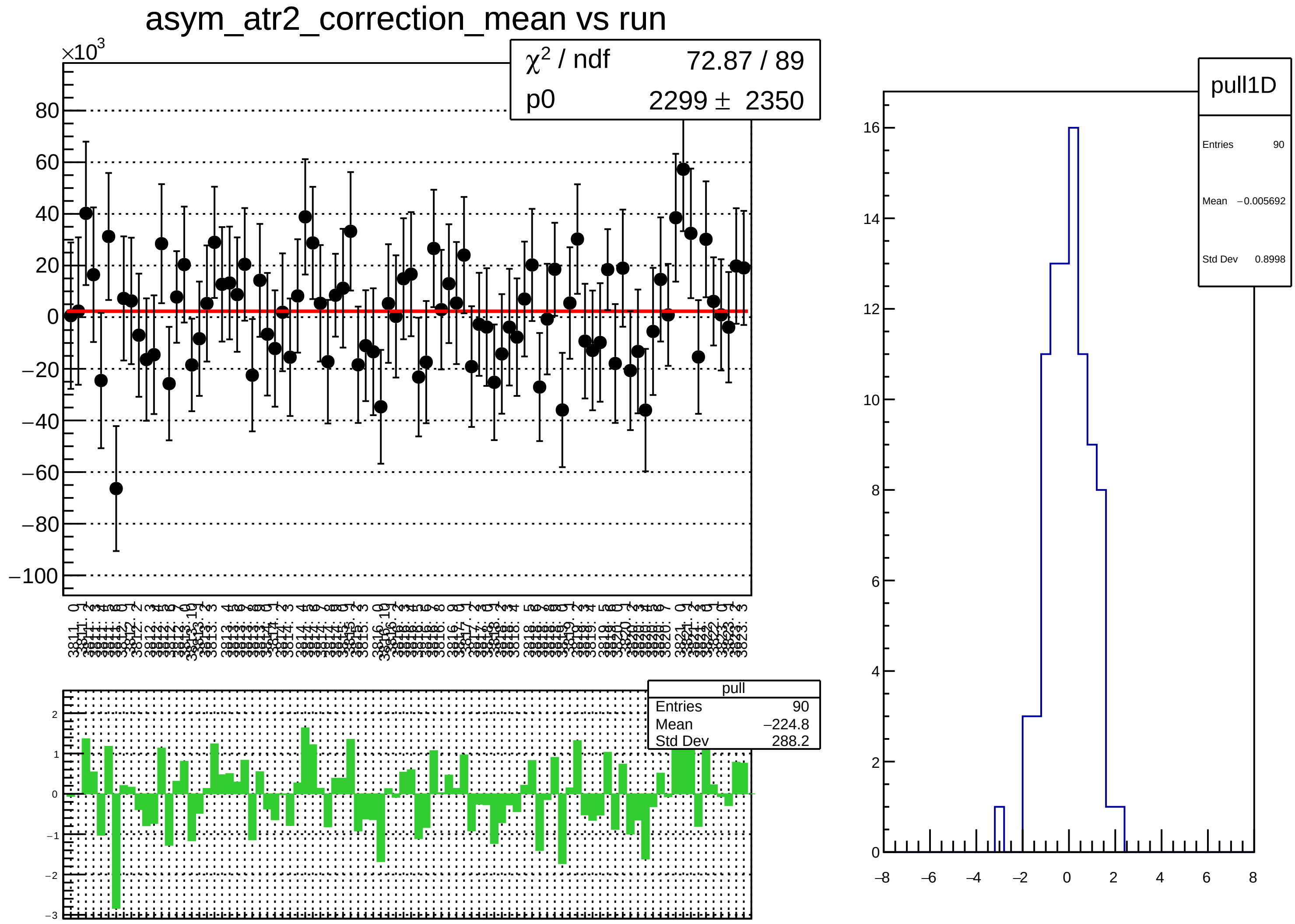

asym_atr1_mean vs run
χ^2 / ndf 62.73 / 89
p0 −2034 ± 1848
pull
Entries 90
Mean −158.7
Std Dev 200.6
pull1D
Entries 90
Mean −0.01548
Std Dev 0.8347

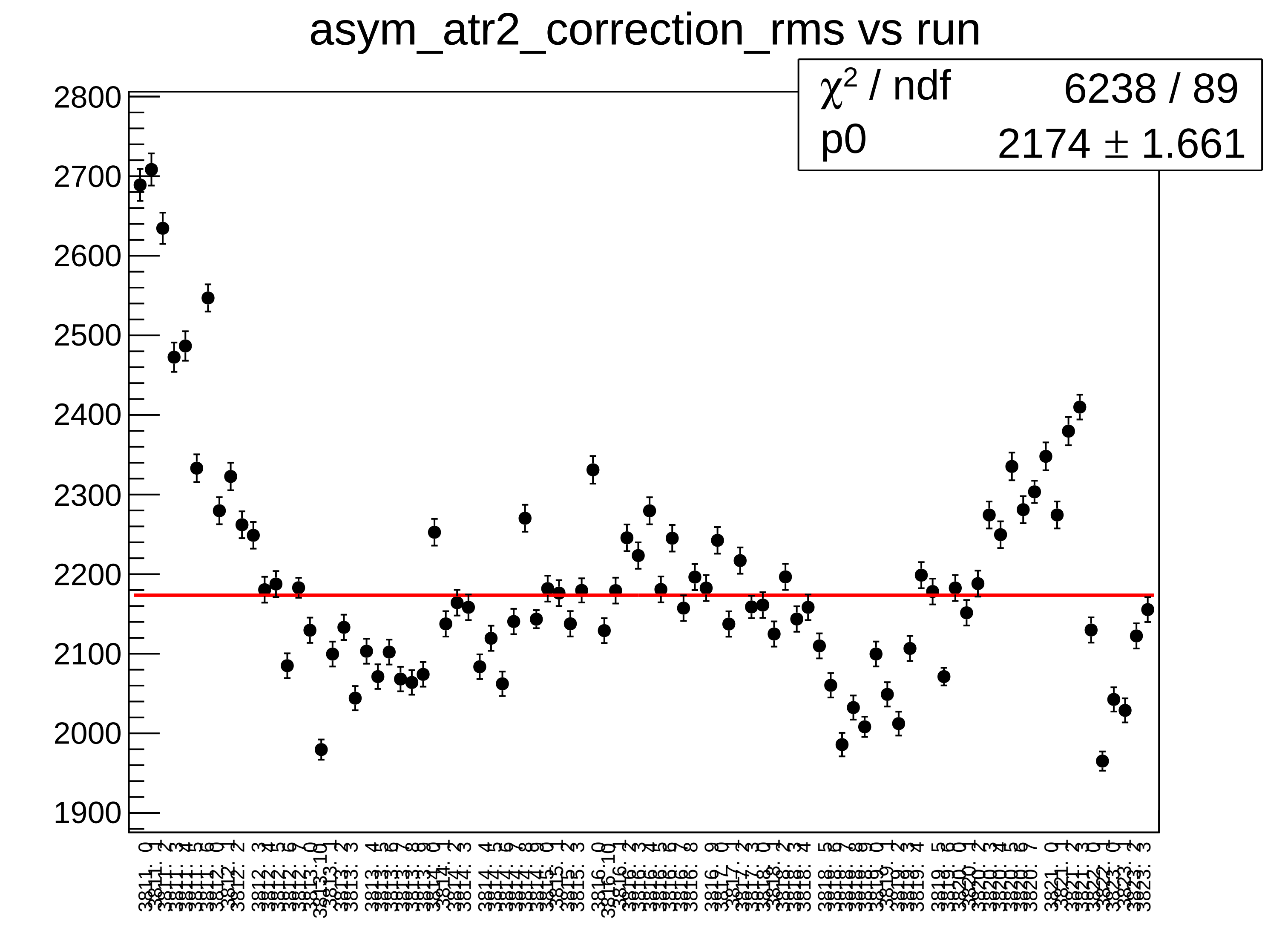


asym_atr1_rms vs run
χ2 / ndf 3.336e+04 / 89
p0 1696 ± 1.307
2600
2400
2200
2000
1800
1600
1400

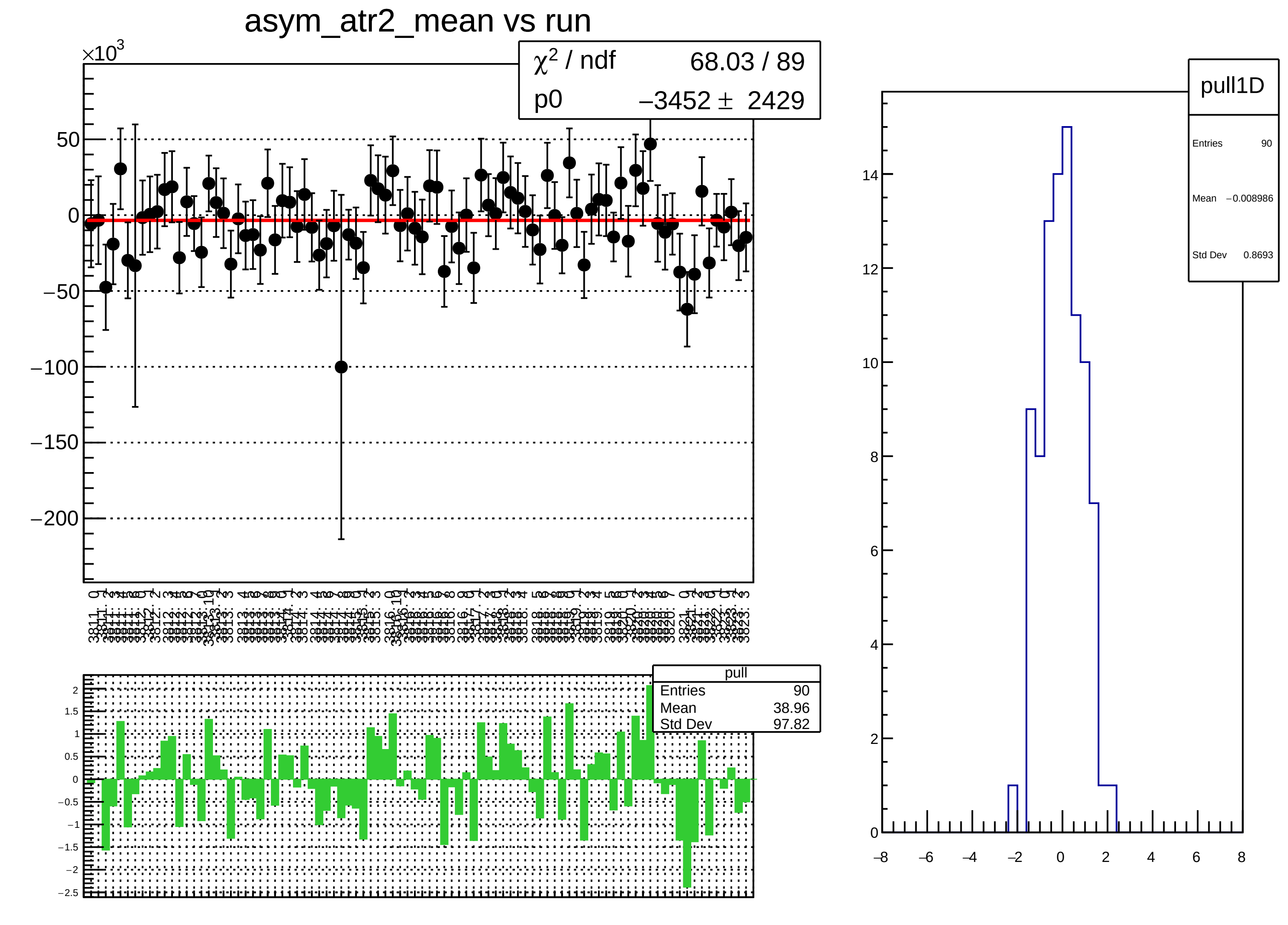

reg_asym_atr2_mean vs run
×10^3
χ2 / ndf 102.1 / 89
p0 −234.5 ± 518.7
0
−50
−100
−150
−200
−250
pull
Entries 90
Mean 21.87
Std Dev 25.11
2
1
0
−1
−2
−3
pull1D
Entries 90
Mean −0.02847
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

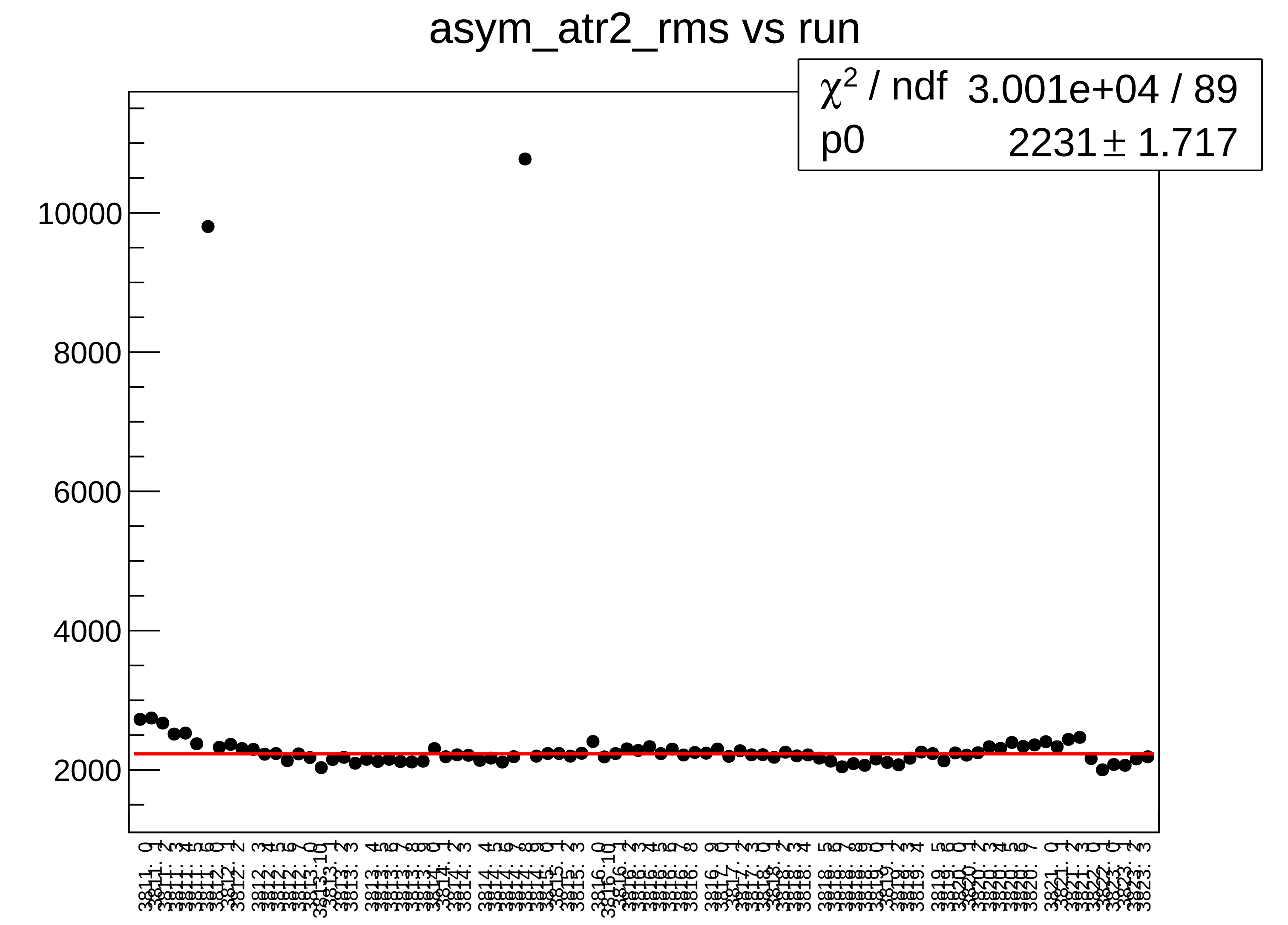

reg_asym_atr2_rms vs run
χ2 / ndf 4.875e+04 / 89
p0 473.9 ± 0.3668
10000
8000
6000
4000
2000

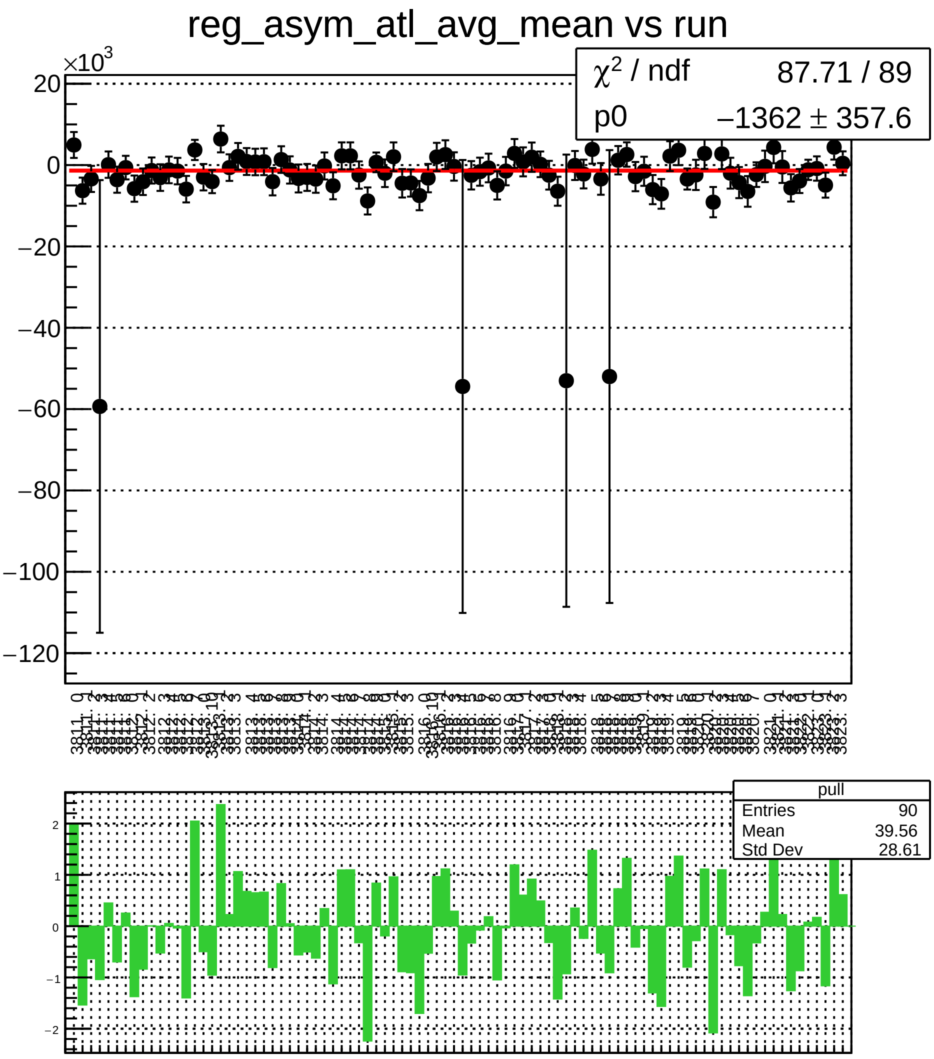

asym_atr2_correction_mean vs run
χ^2 / ndf 72.87 / 89
p0 2299 ± 2350
×10^3
pull
Entries 90
Mean −224.8
Std Dev 288.2
pull1D
Entries 90
Mean −0.005692
Std Dev 0.8998

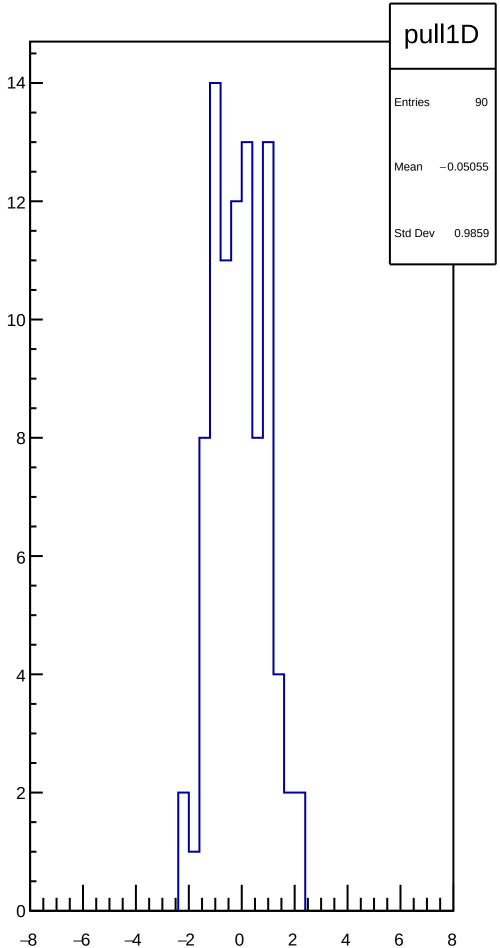


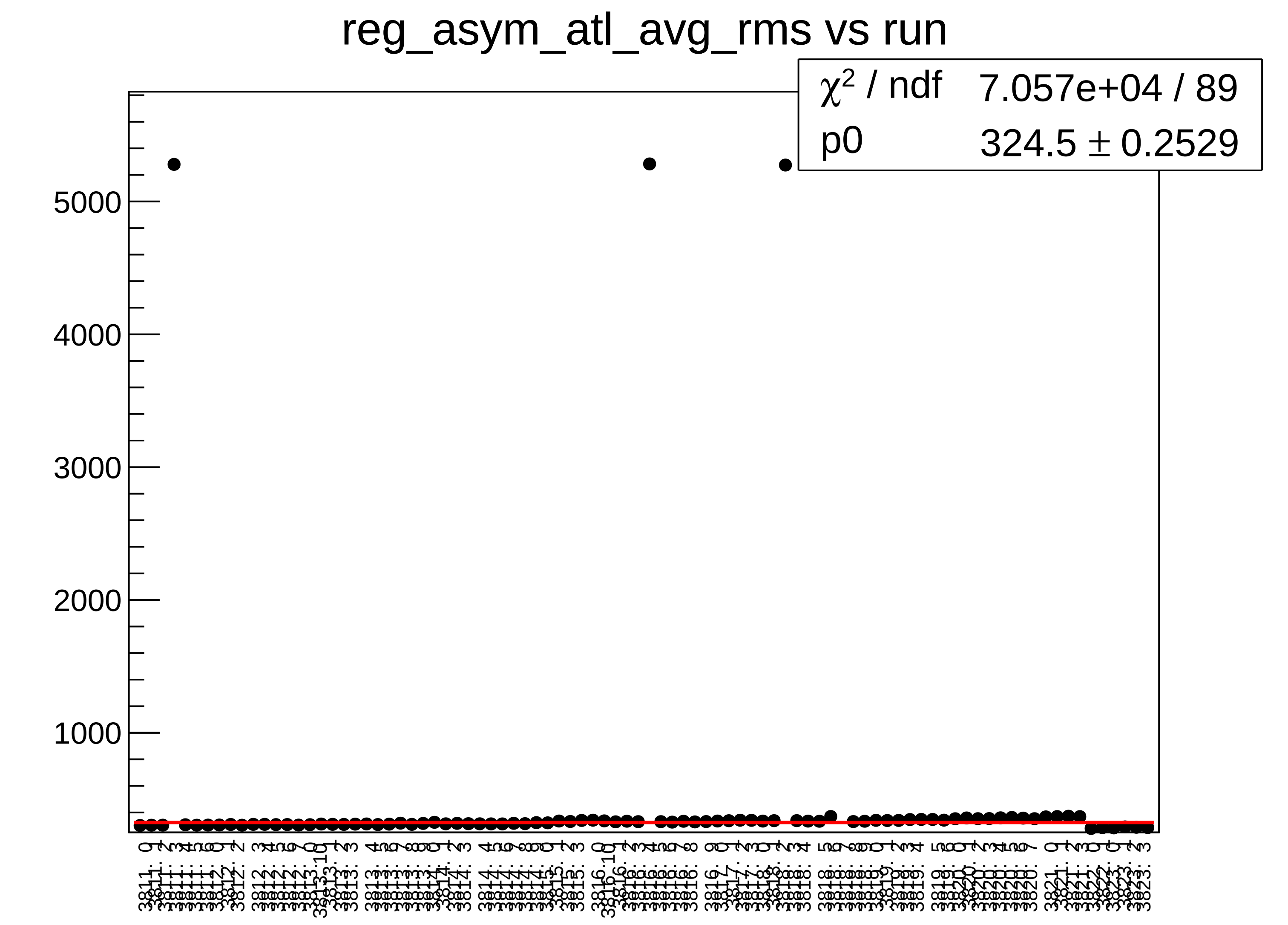
asym_atr2_correction_rms vs run
χ2 / ndf 6238 / 89
p0 2174 ± 1.661
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900

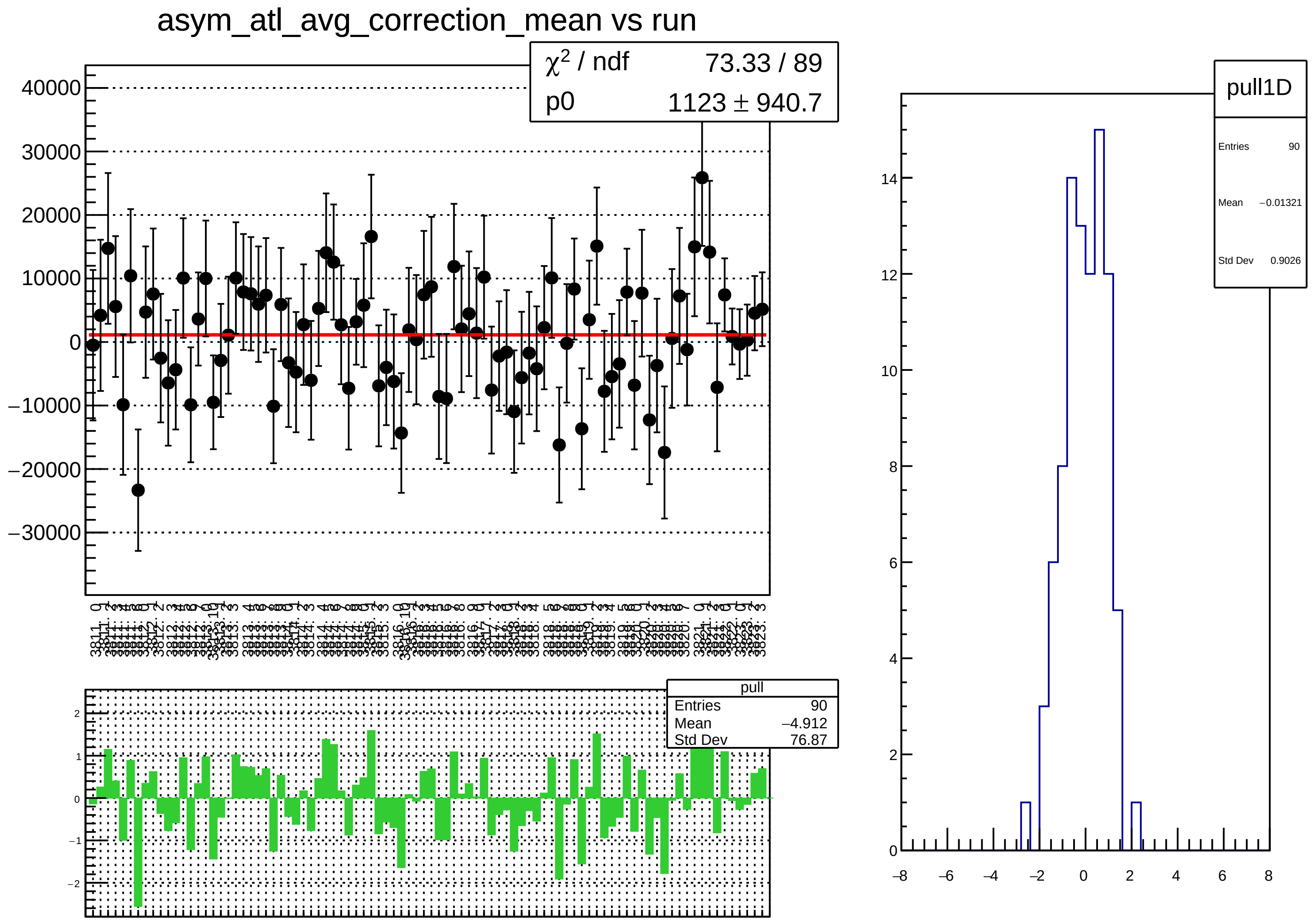

asym_atr2_mean vs run
×10^3
χ2 / ndf 68.03 / 89
p0 −3452 ± 2429
pull
Entries 90
Mean 38.96
Std Dev 97.82
pull1D
Entries 90
Mean −0.008986
Std Dev 0.8693

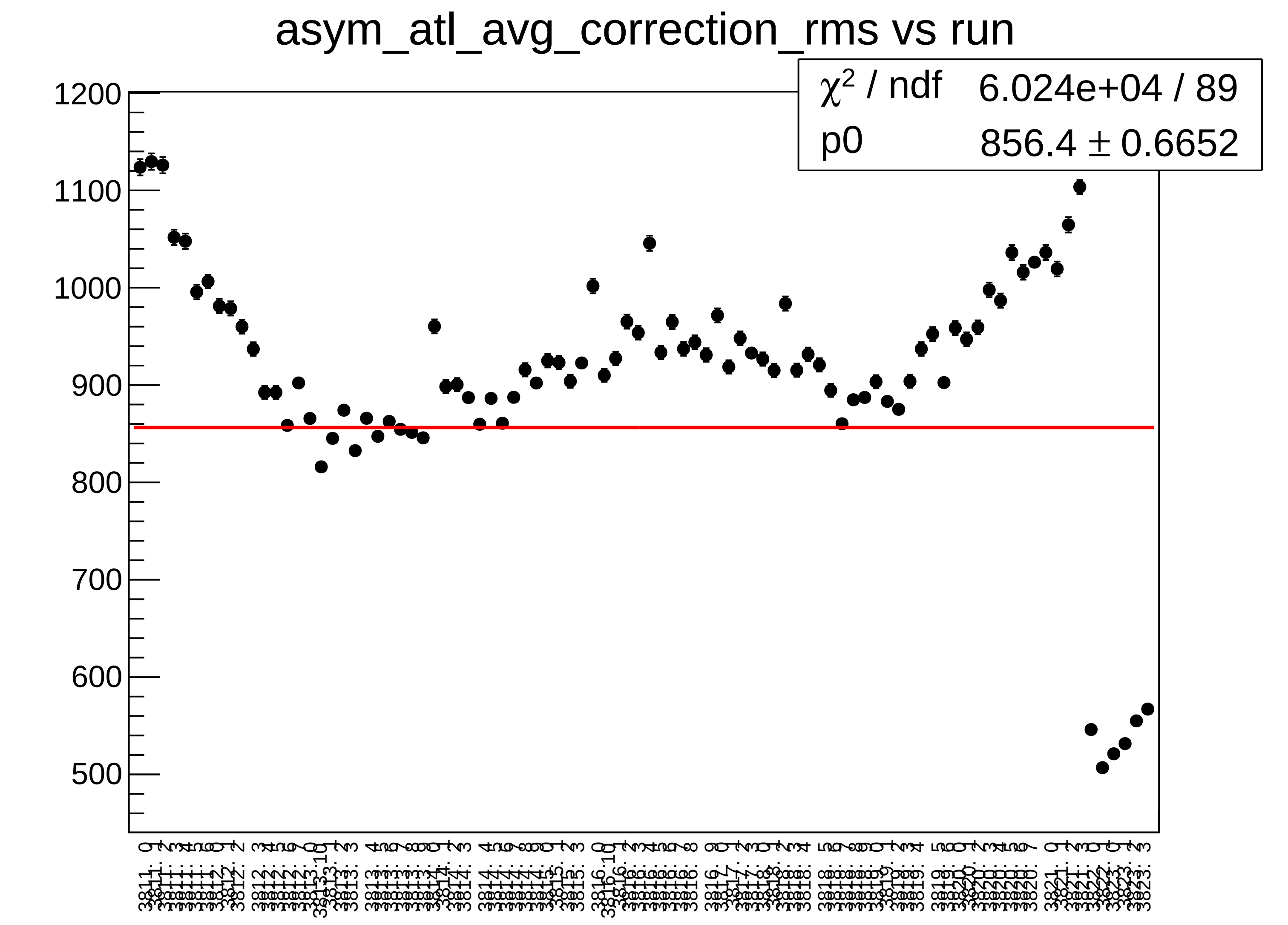

asym_atr2_rms vs run
χ2 / ndf 3.001e+04 / 89
p0 2231 ± 1.717
10000
8000
6000
4000
2000

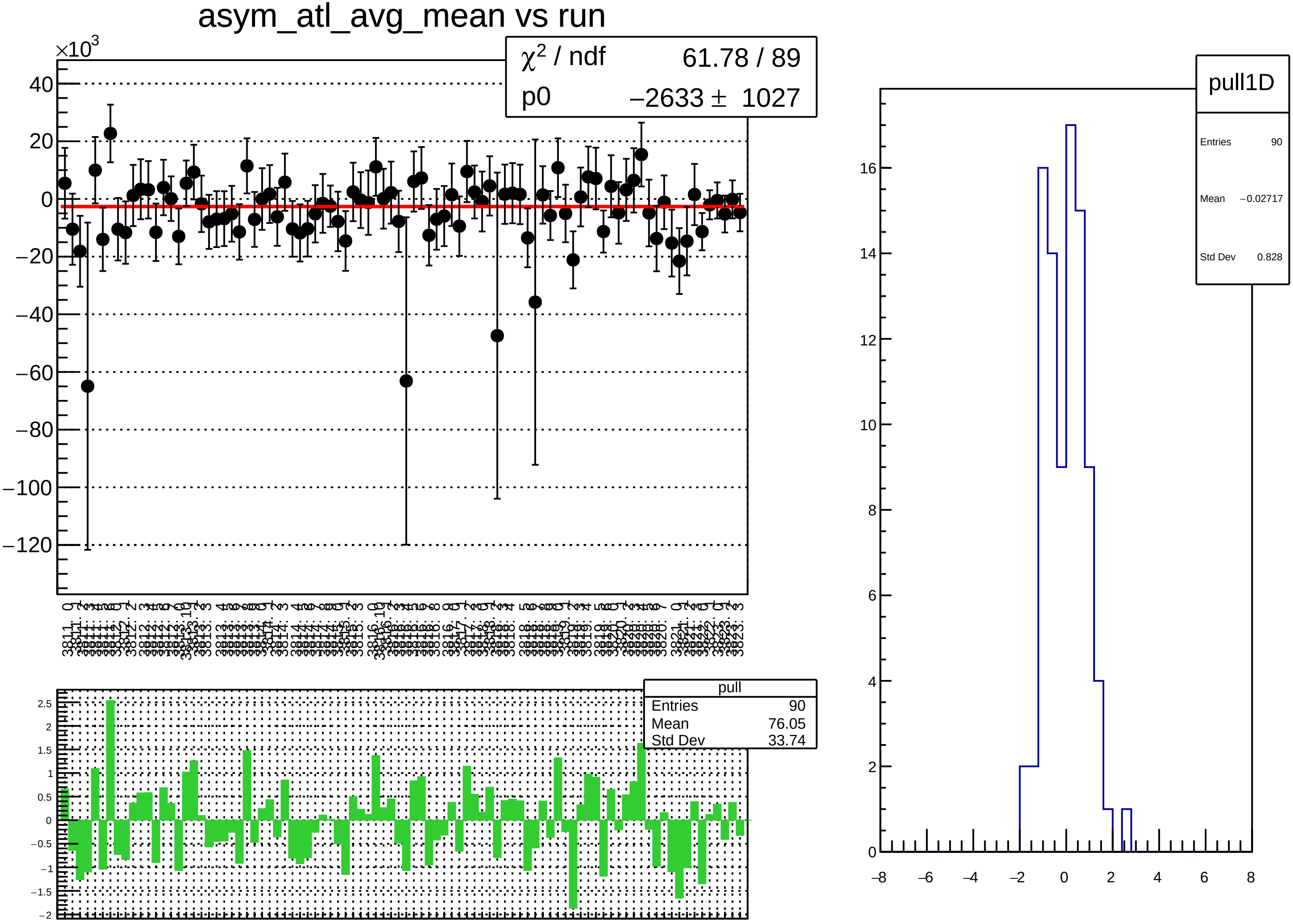

reg_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 87.71 / 89
p0 −1362 ± 357.6
pull
Entries 90
Mean 39.56
Std Dev 28.61

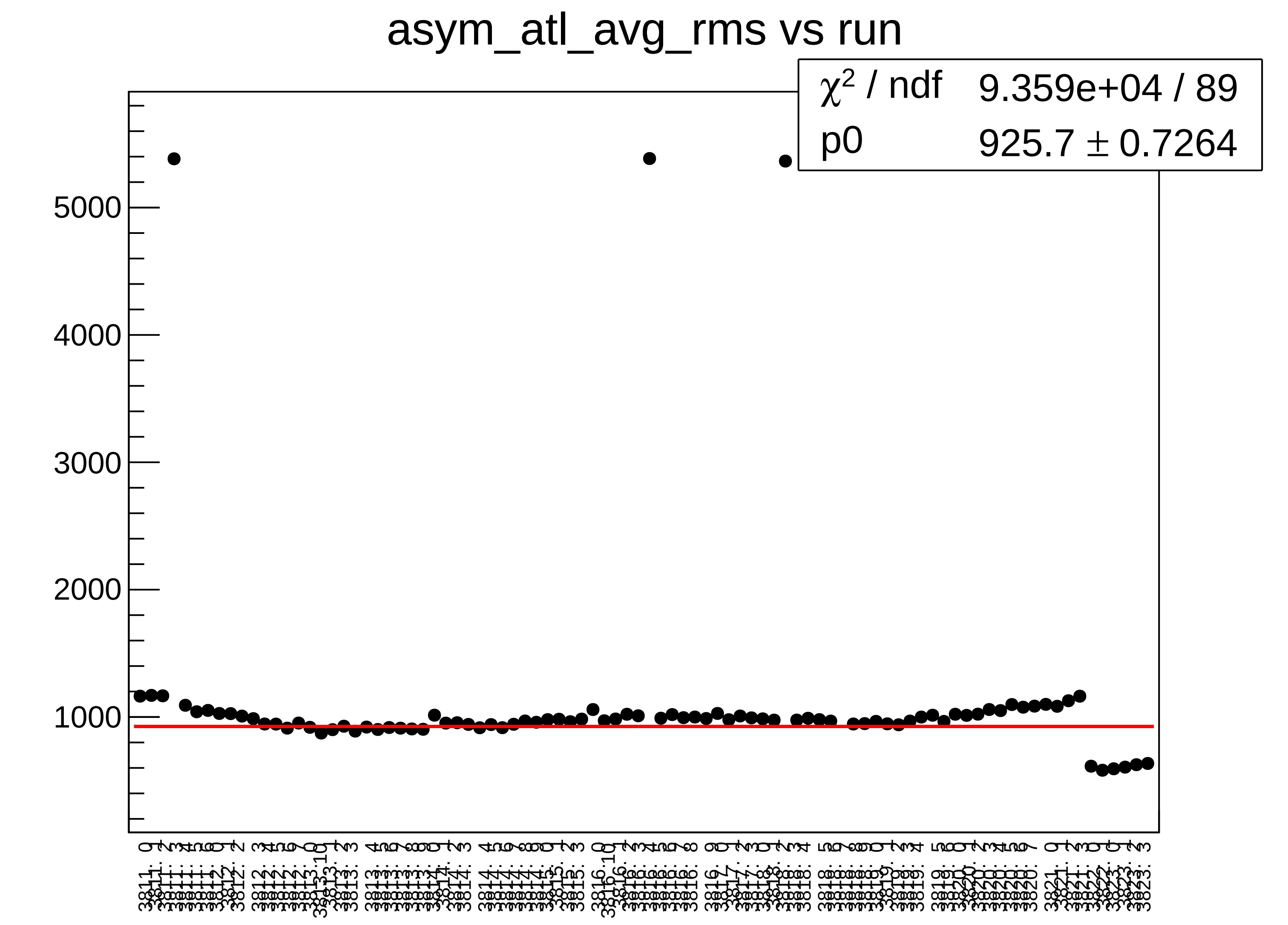

pull1D
Entries 90
Mean −0.05055
Std Dev 0.9859

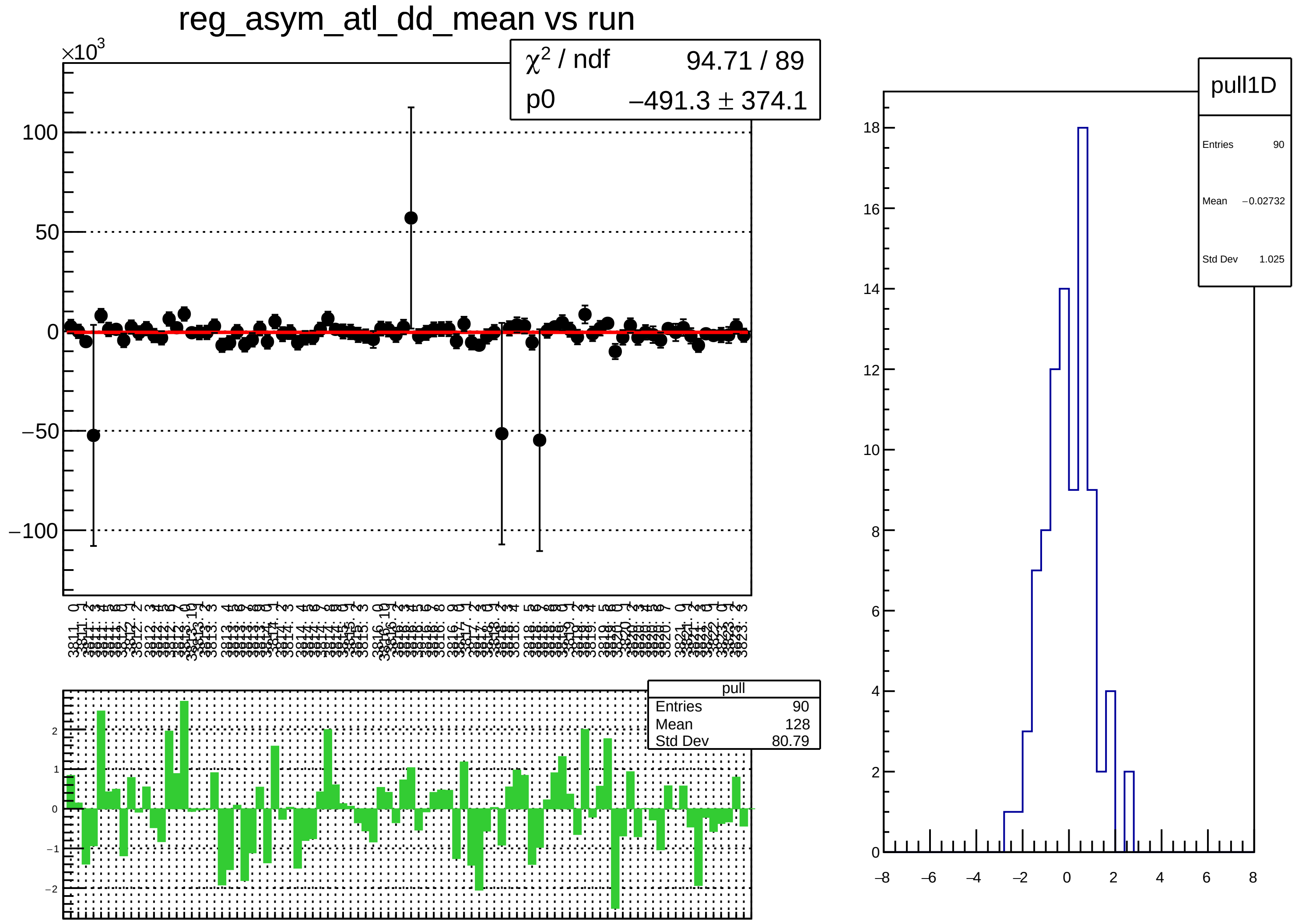

reg_asym_atl_avg_rms vs run
χ^2 / ndf 7.057e+04 / 89
p0 324.5 ± 0.2529
5000
4000
3000
2000
1000

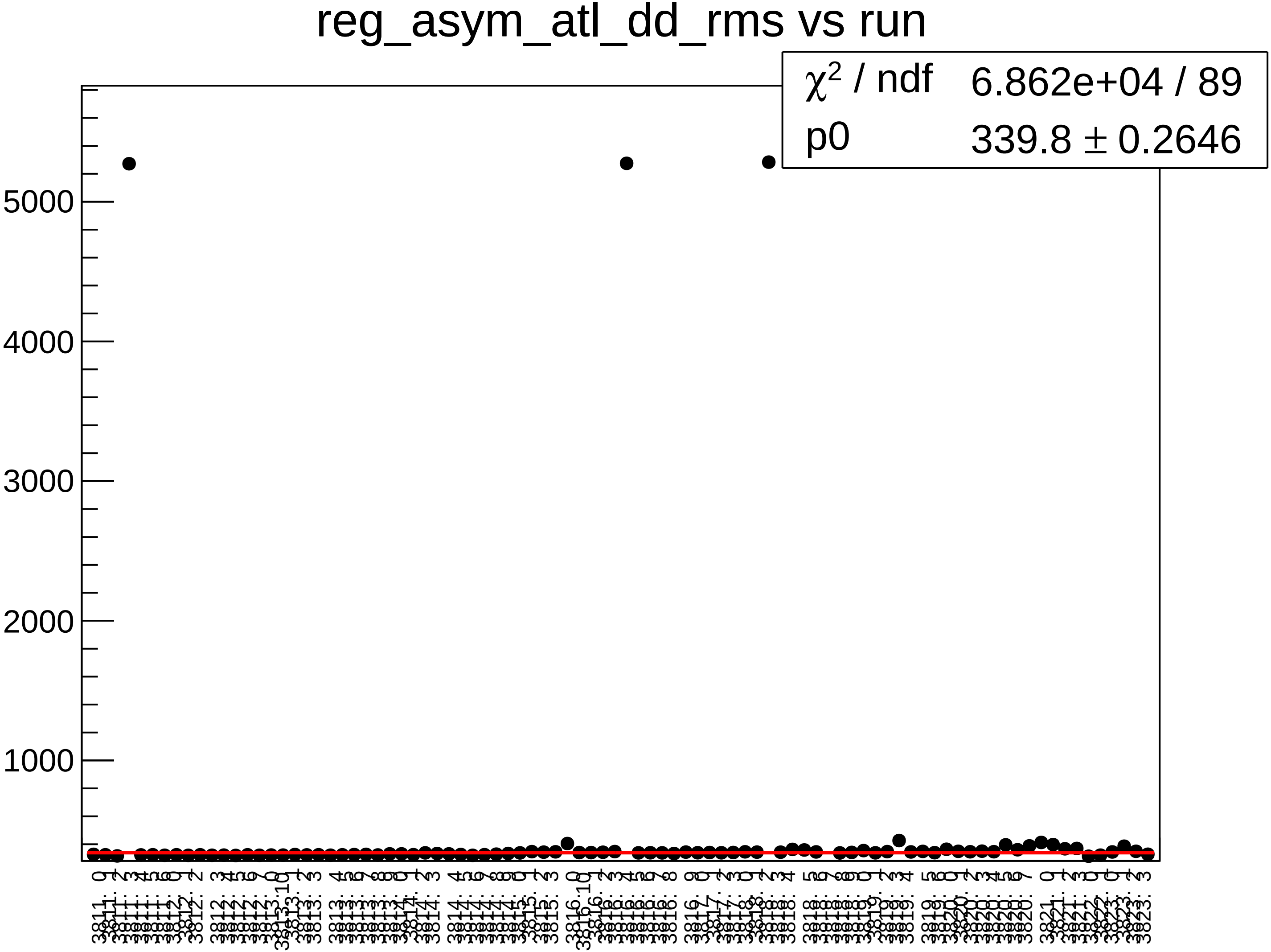

asym_atl_avg_correction_mean vs run
χ^2 / ndf 73.33 / 89
p0 1123 ± 940.7
pull
Entries 90
Mean −4.912
Std Dev 76.87
pull1D
Entries 90
Mean −0.01321
Std Dev 0.9026

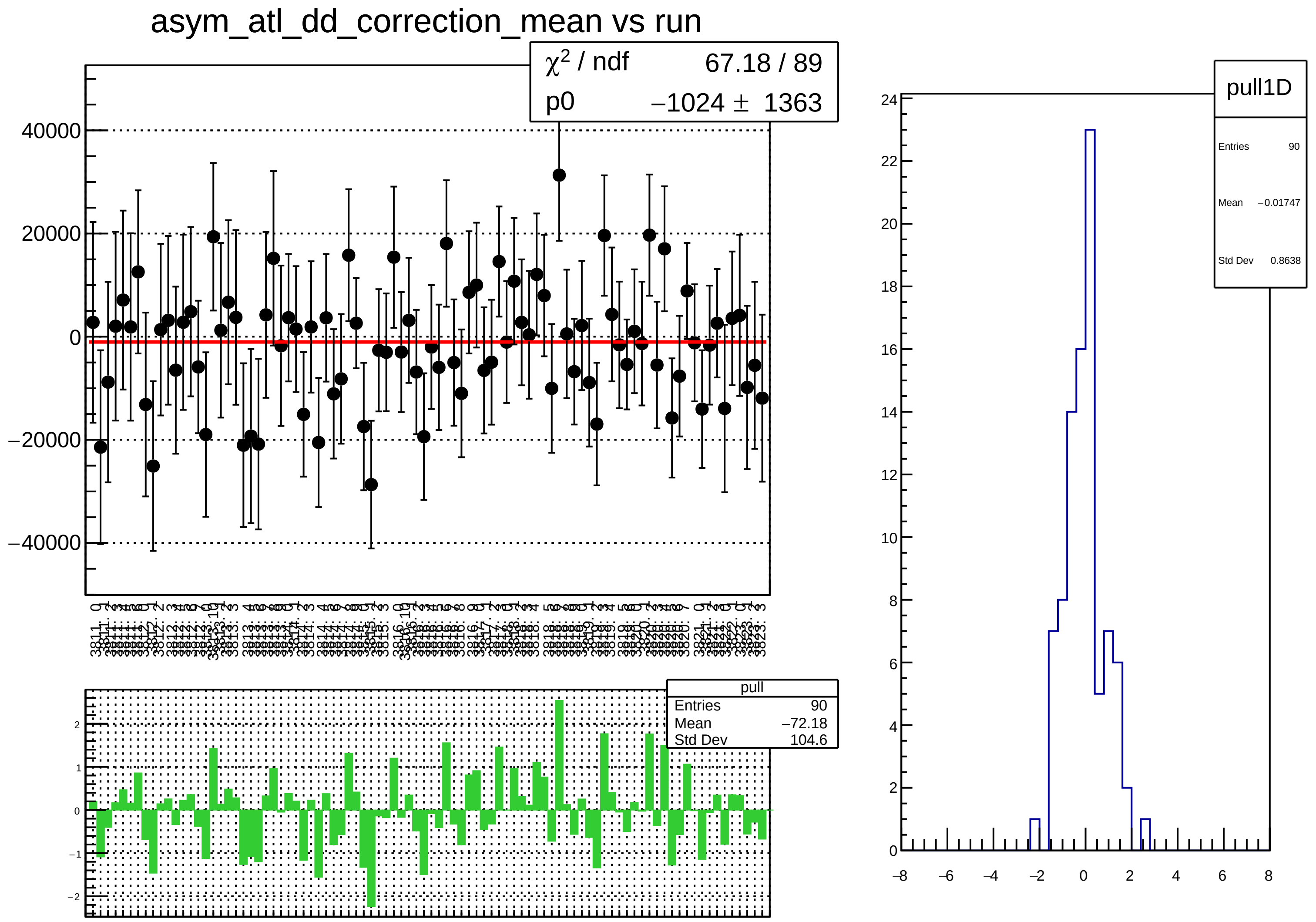

asym_atl_avg_correction_rms vs run
χ^2 / ndf 6.024e+04 / 89
p0 856.4 ± 0.6652
1200
1100
1000
900
800
700
600
500

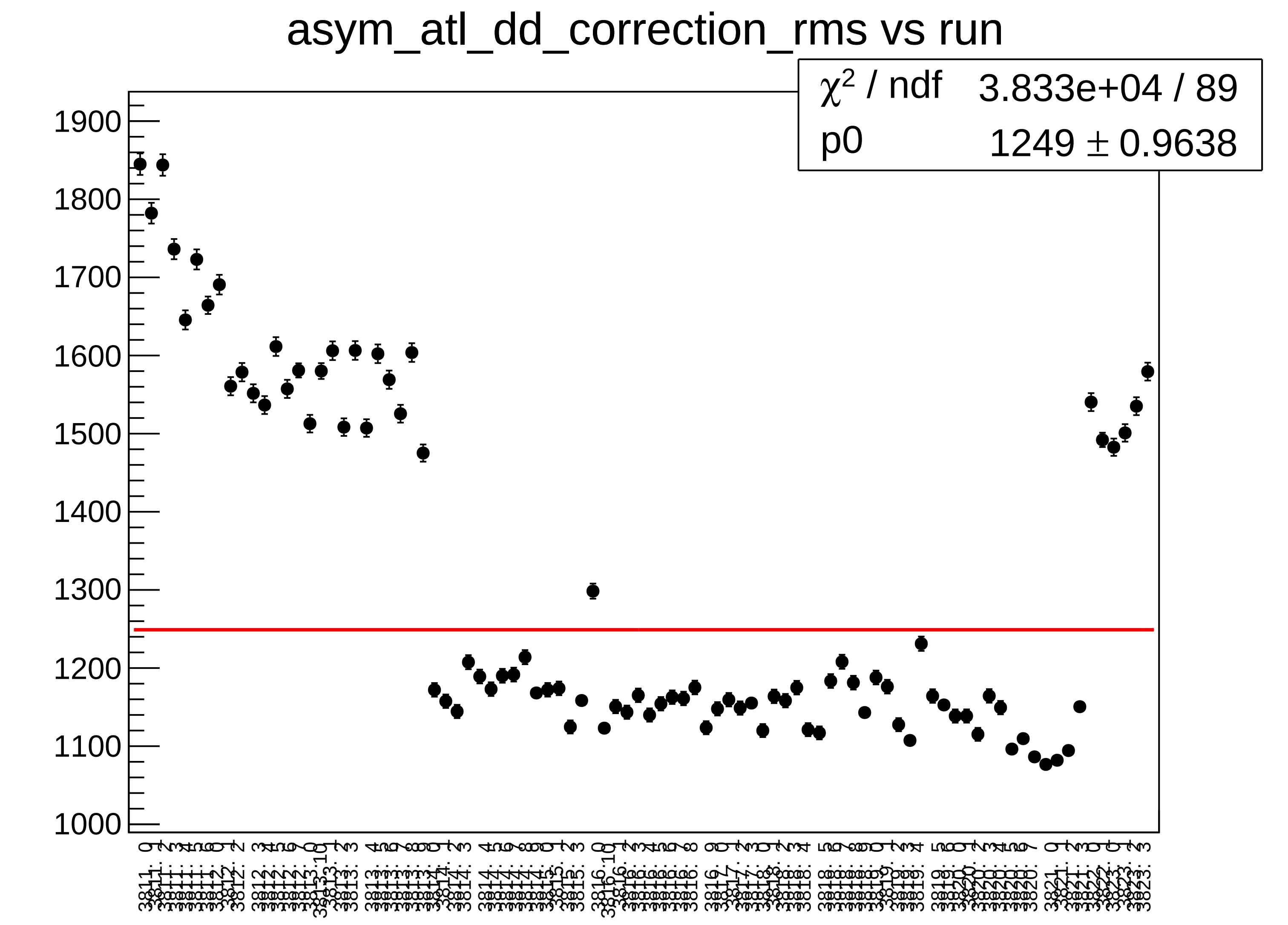

asym_atl_avg_mean vs run
χ^2 / ndf 61.78 / 89
p0 −2633 ± 1027
×10^3
pull
Entries 90
Mean 76.05
Std Dev 33.74
pull1D
Entries 90
Mean −0.02717
Std Dev 0.828


asym_atl_avg_rms vs run
χ^2 / ndf 9.359e+04 / 89
p0 925.7 ± 0.7264
5000
4000
3000
2000
1000

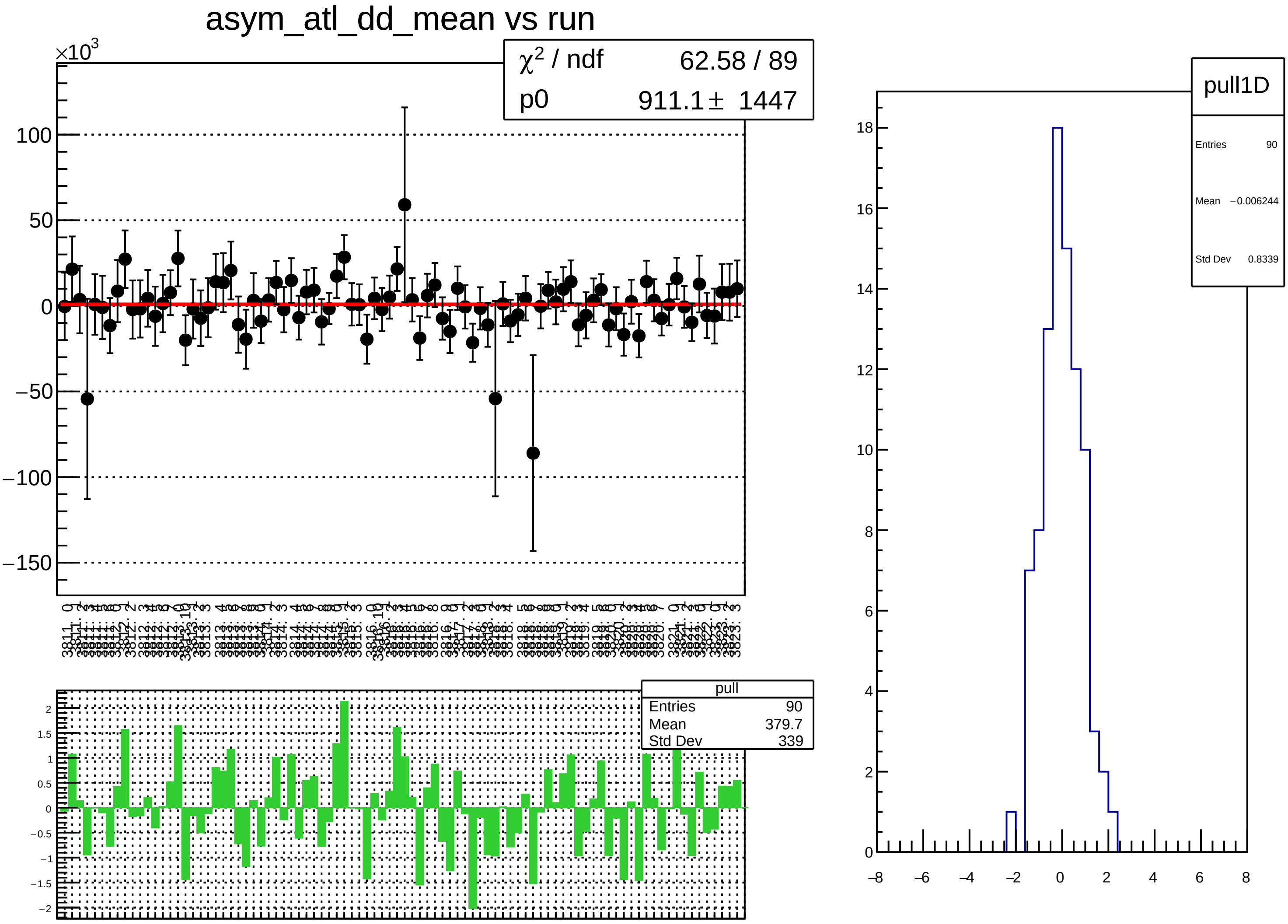

reg_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 94.71 / 89
p0 −491.3 ± 374.1
100
50
0
−50
−100
pull
Entries 90
Mean 128
Std Dev 80.79
2
1
0
−1
−2
pull1D
Entries 90
Mean −0.02732
Std Dev 1.025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_rms vs run
χ^2 / ndf 6.862e+04 / 89
p0 339.8 ± 0.2646
5000
4000
3000
2000
1000

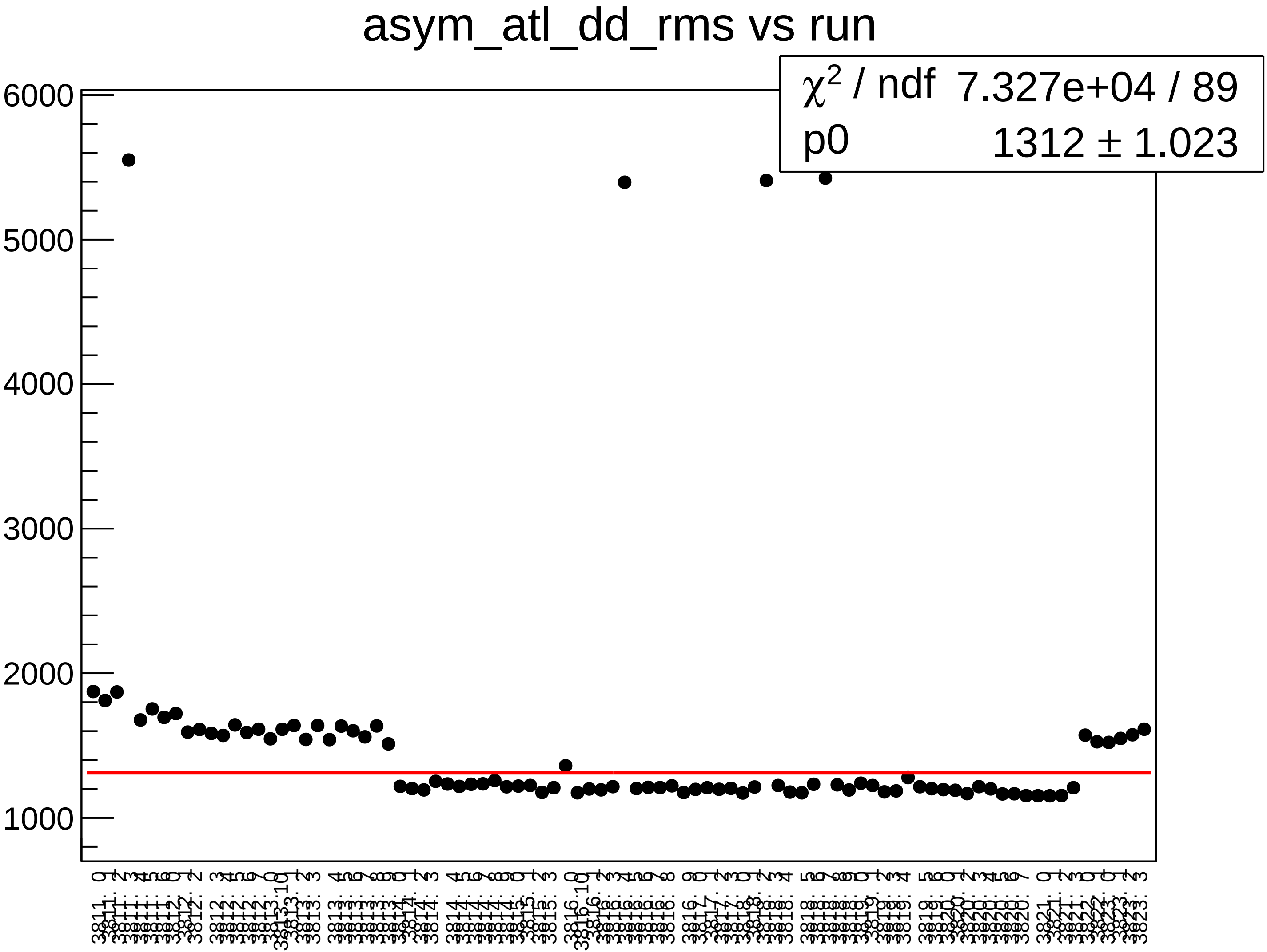

asym_atl_dd_correction_mean vs run
χ^2 / ndf 67.18 / 89
p0 −1024 ± 1363
pull
Entries 90
Mean −72.18
Std Dev 104.6
pull1D
Entries 90
Mean −0.01747
Std Dev 0.8638

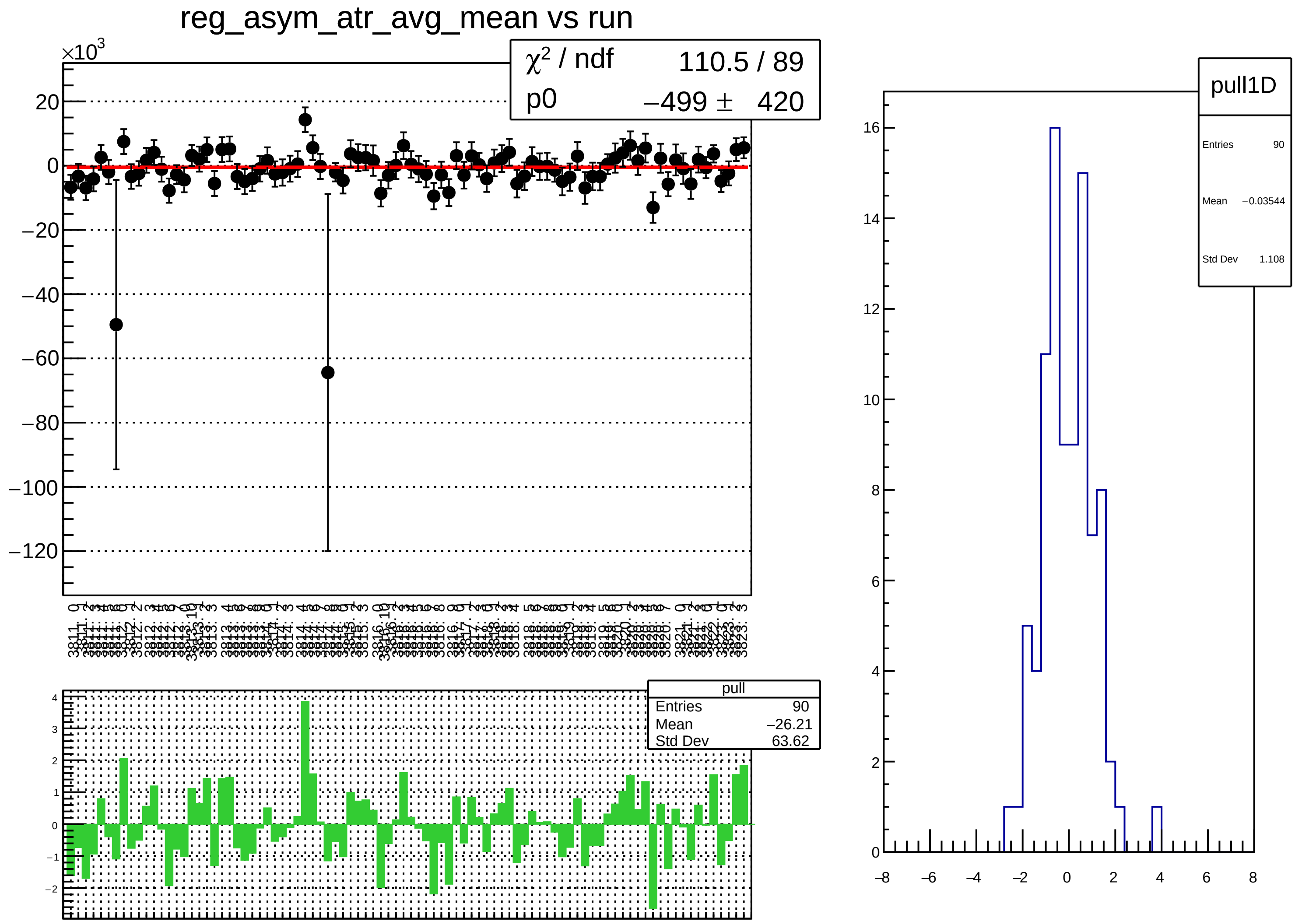


asym_atl_dd_correction_rms vs run
χ^2 / ndf 3.833e+04 / 89
p0 1249 ± 0.9638

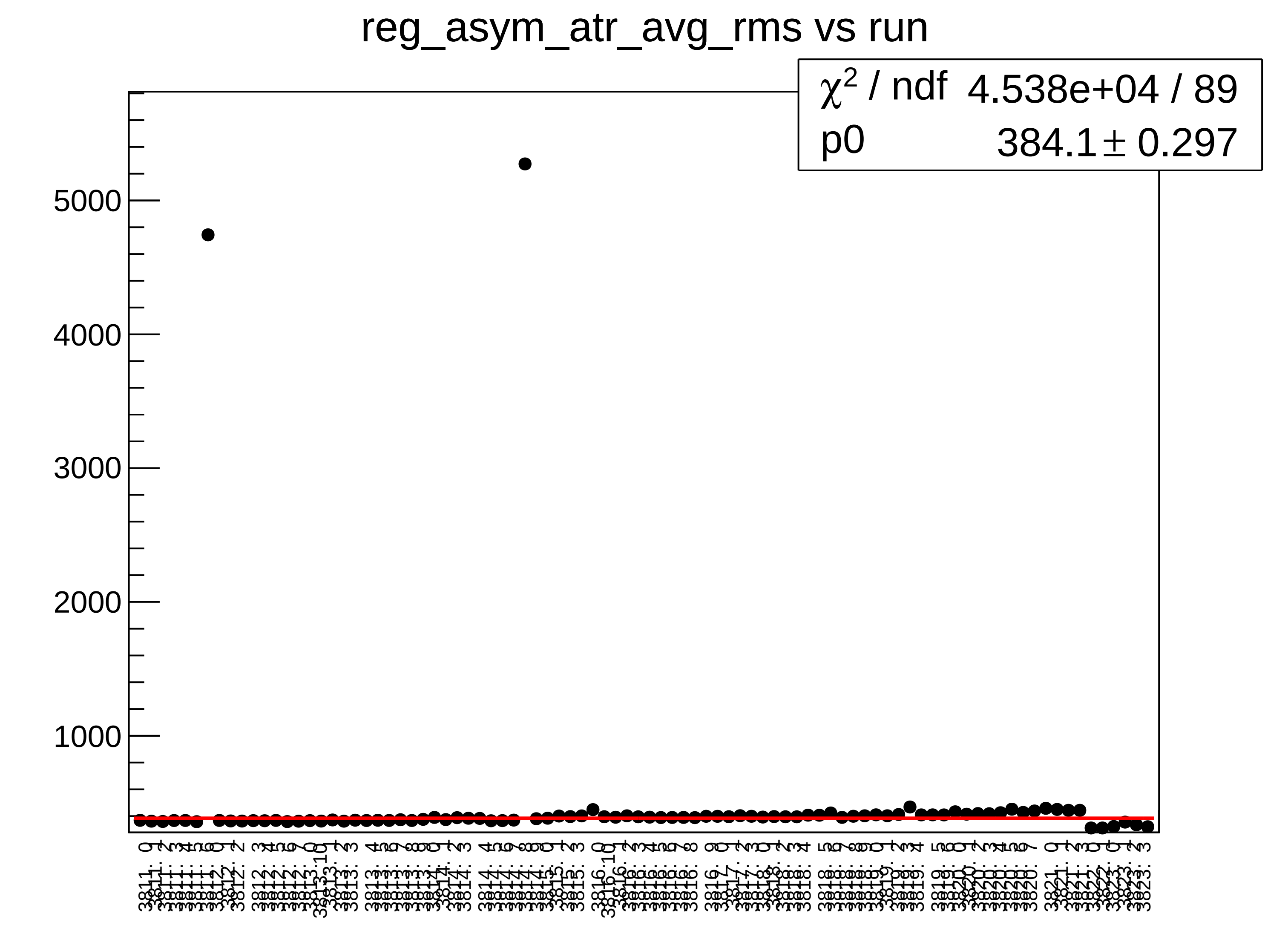


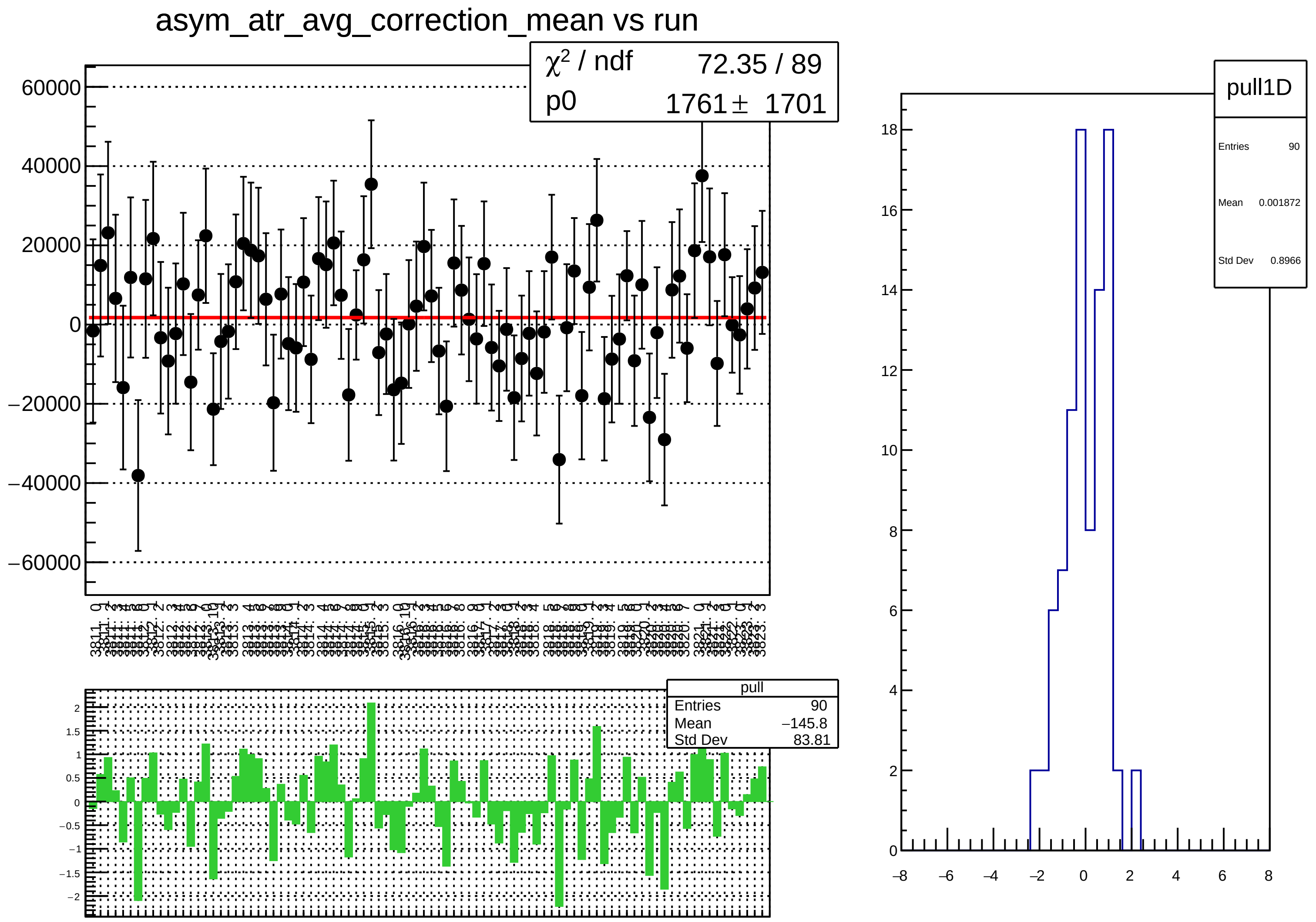
asym_atl_dd_mean vs run
$\times10^3$
χ^2 / ndf 62.58 / 89
p0 911.1 ± 1447
pull
Entries 90
Mean 379.7
Std Dev 339
pull1D
Entries 90
Mean −0.006244
Std Dev 0.8339

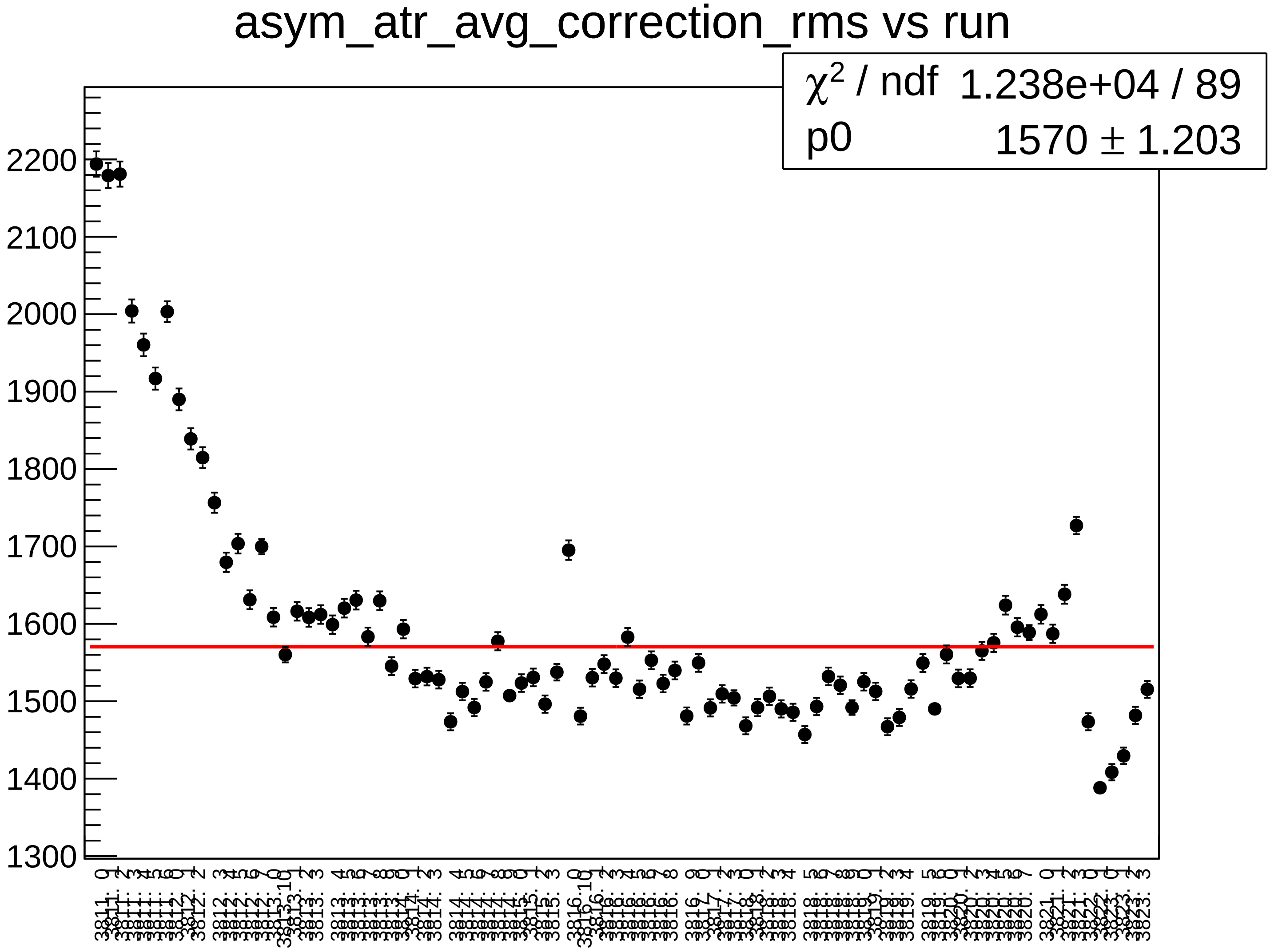

asym_atl_dd_rms vs run
χ^2 / ndf 7.327e+04 / 89
p0 1312 ± 1.023
6000
5000
4000
3000
2000
1000

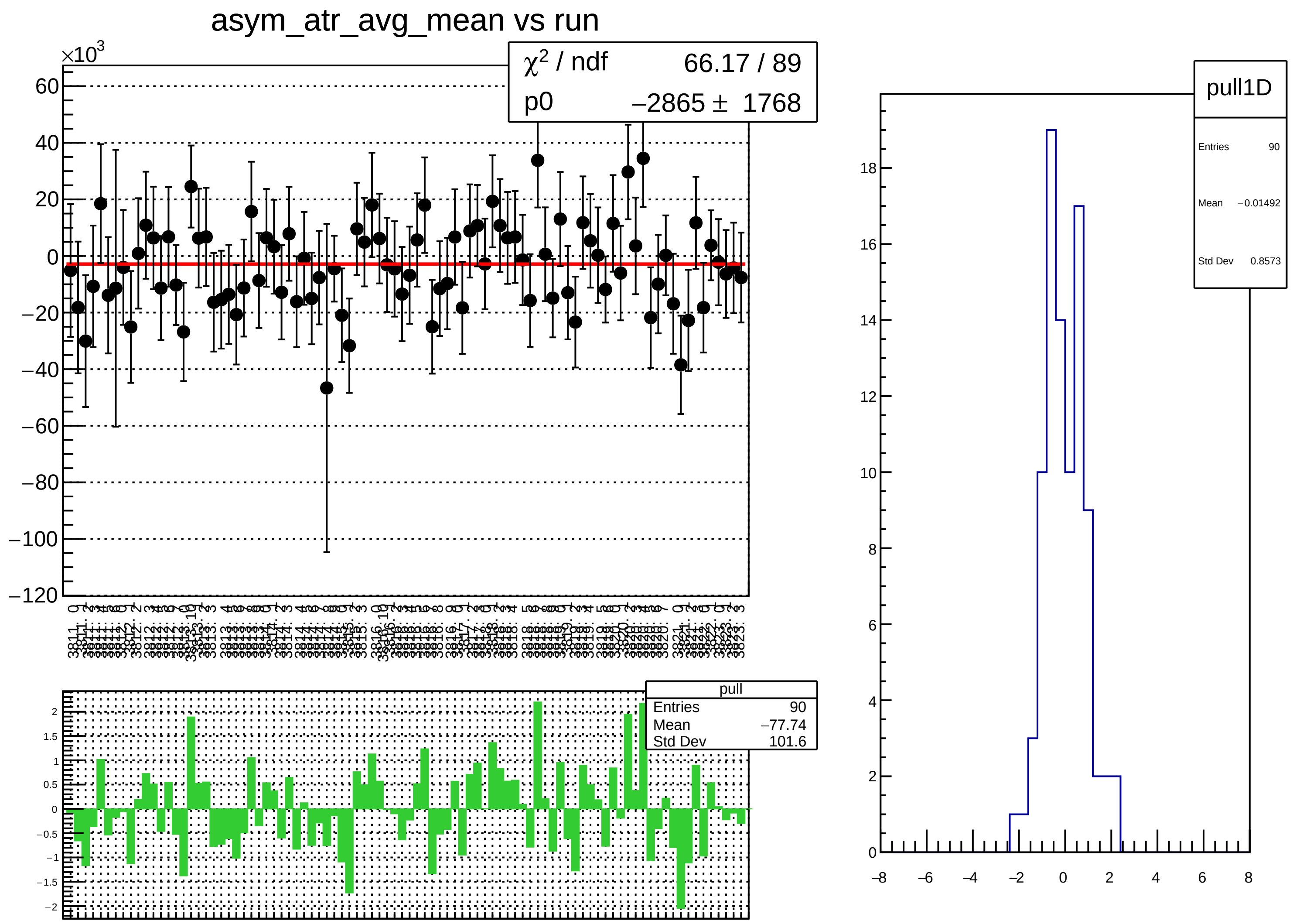


reg_asym_atr_avg_mean vs run
×10^3
χ2 / ndf 110.5 / 89
p0 −499 ± 420
pull
Entries 90
Mean −26.21
Std Dev 63.62
pull1D
Entries 90
Mean −0.03544
Std Dev 1.108

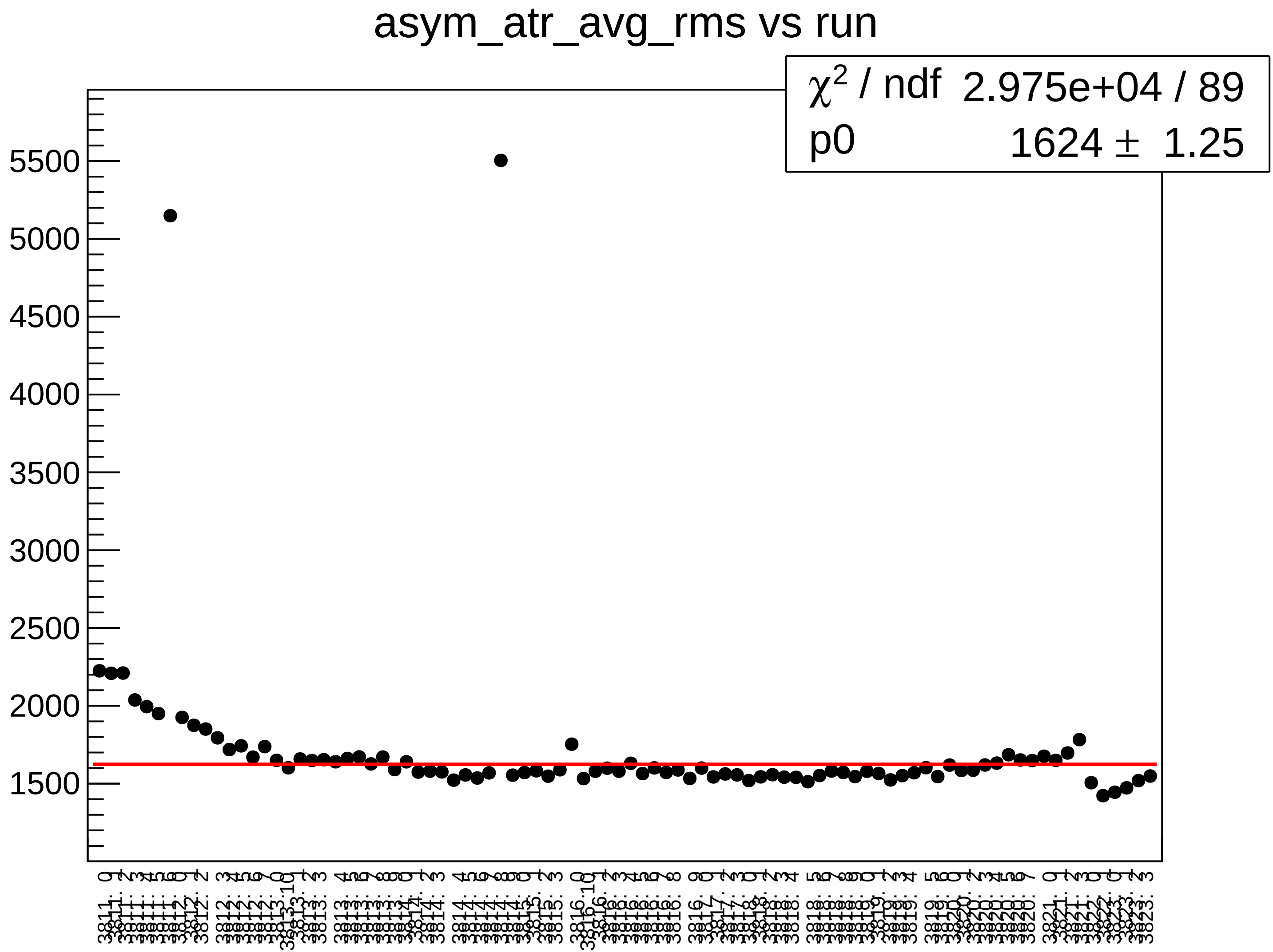

reg_asym_atr_avg_rms vs run
χ^2 / ndf 4.538e+04 / 89
p0 384.1 ± 0.297
5000
4000
3000
2000
1000


asym_atr_avg_correction_mean vs run
χ^2 / ndf 72.35 / 89
p0 1761 ± 1701
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 90
Mean −145.8
Std Dev 83.81
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 90
Mean 0.001872
Std Dev 0.8966
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

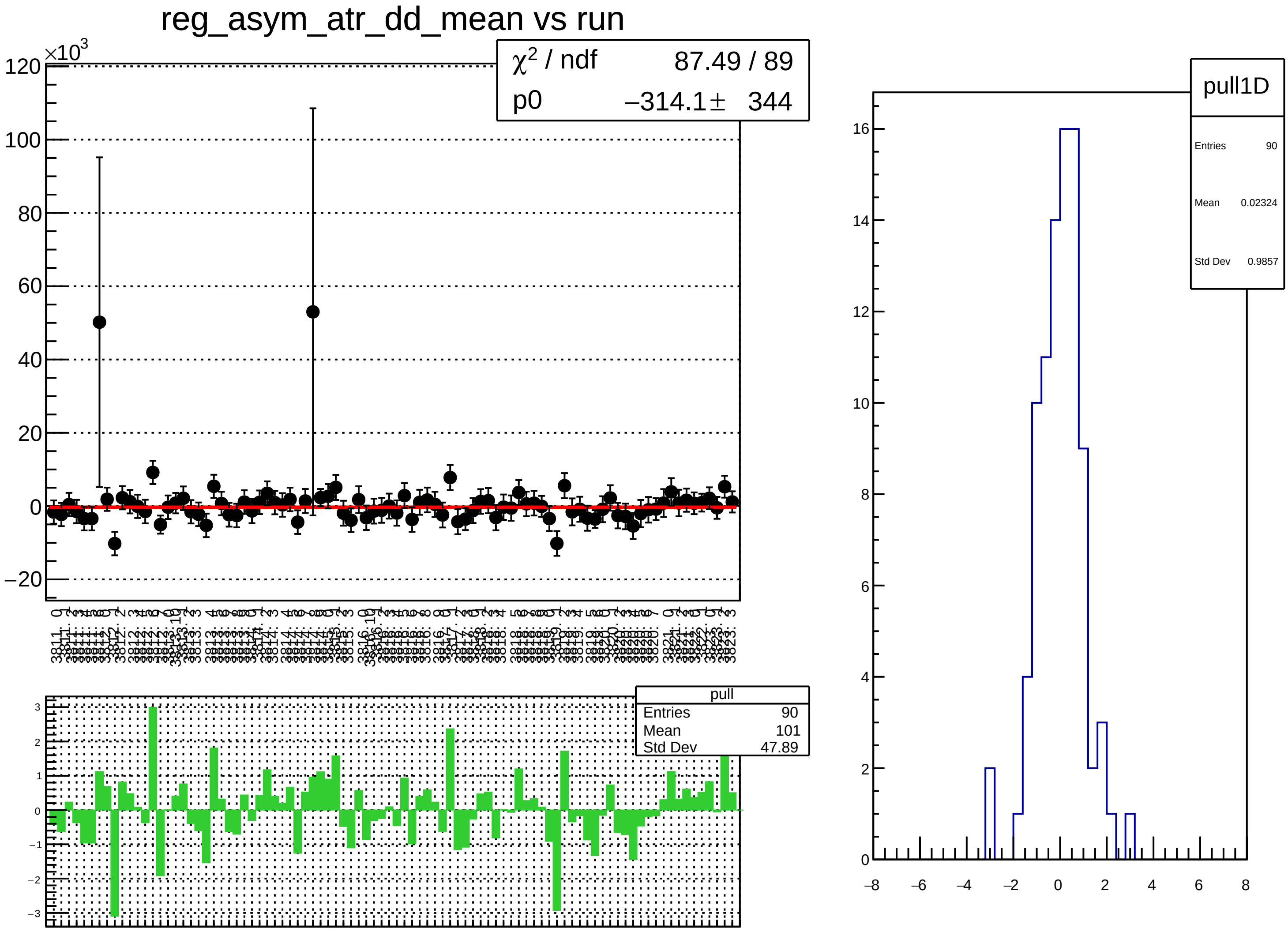

asym_atr_avg_correction_rms vs run
χ2 / ndf 1.238e+04 / 89
p0 1570 ± 1.203
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300



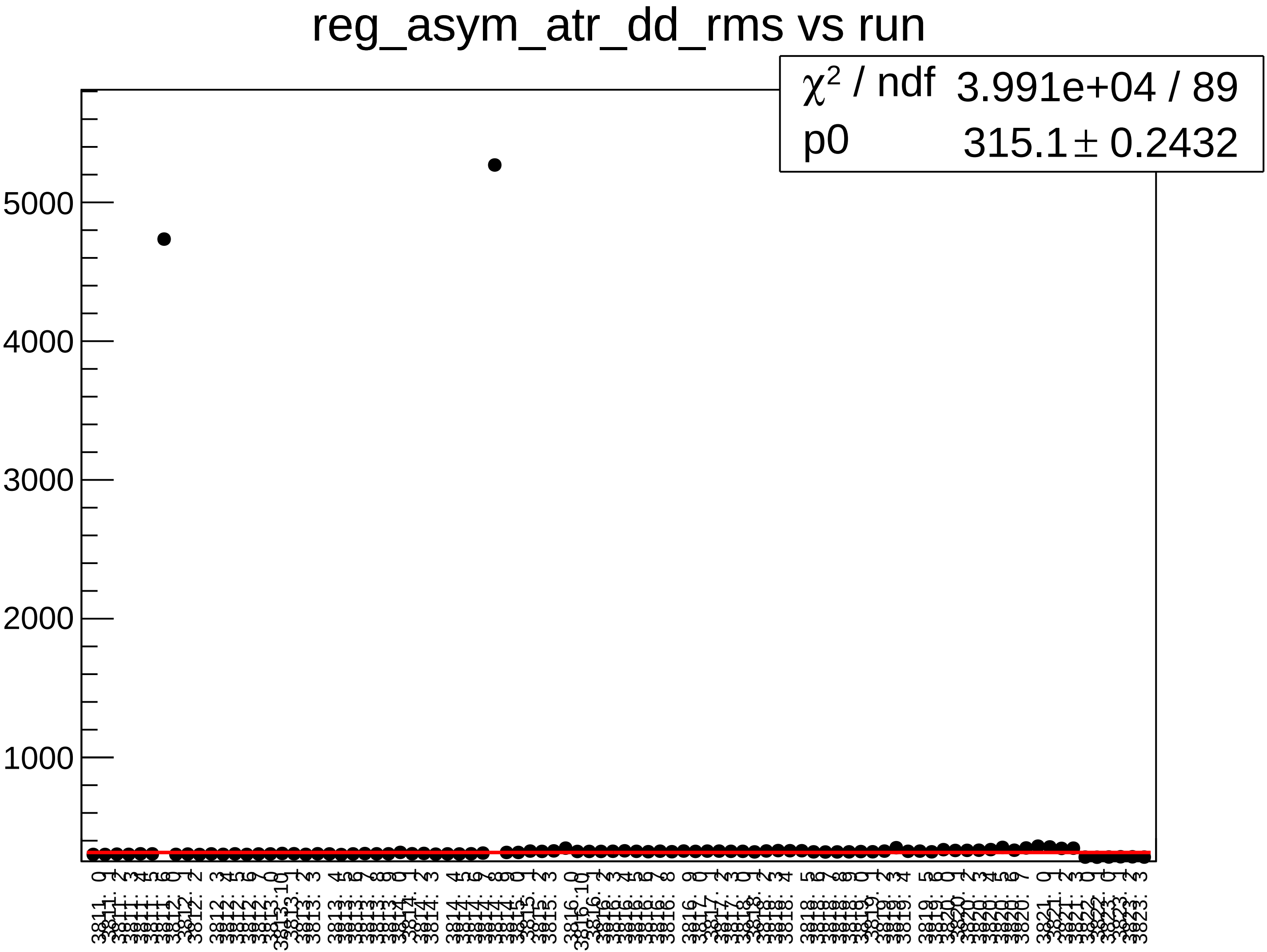
asym_atr_avg_mean vs run
×10^3
χ2 / ndf 66.17 / 89
p0 −2865 ± 1768
pull
Entries 90
Mean −77.74
Std Dev 101.6
pull1D
Entries 90
Mean −0.01492
Std Dev 0.8573

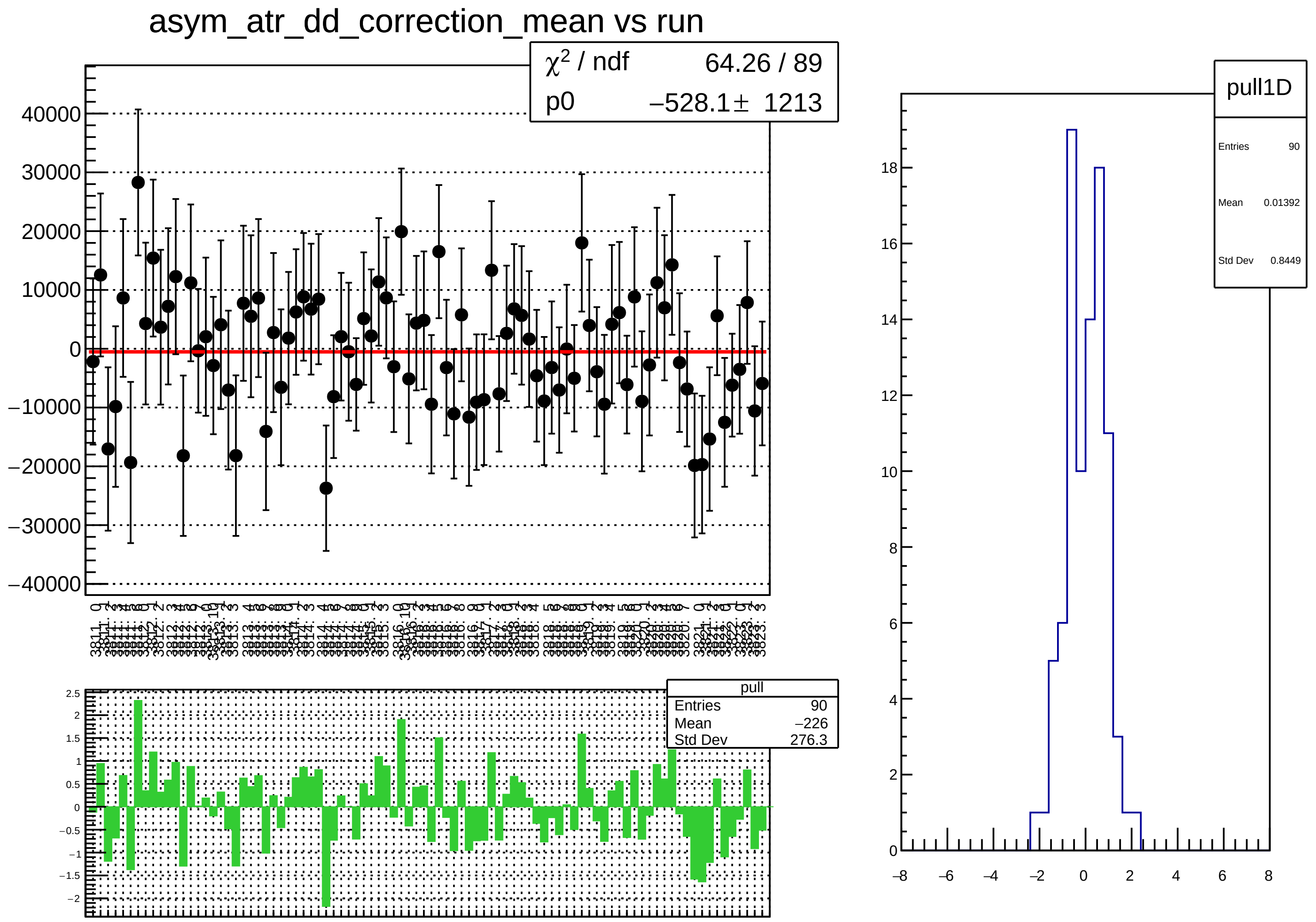


asym_atr_avg_rms vs run
χ^2 / ndf 2.975e+04 / 89
p0 1624 ± 1.25
5500
5000
4500
4000
3500
3000
2500
2000
1500

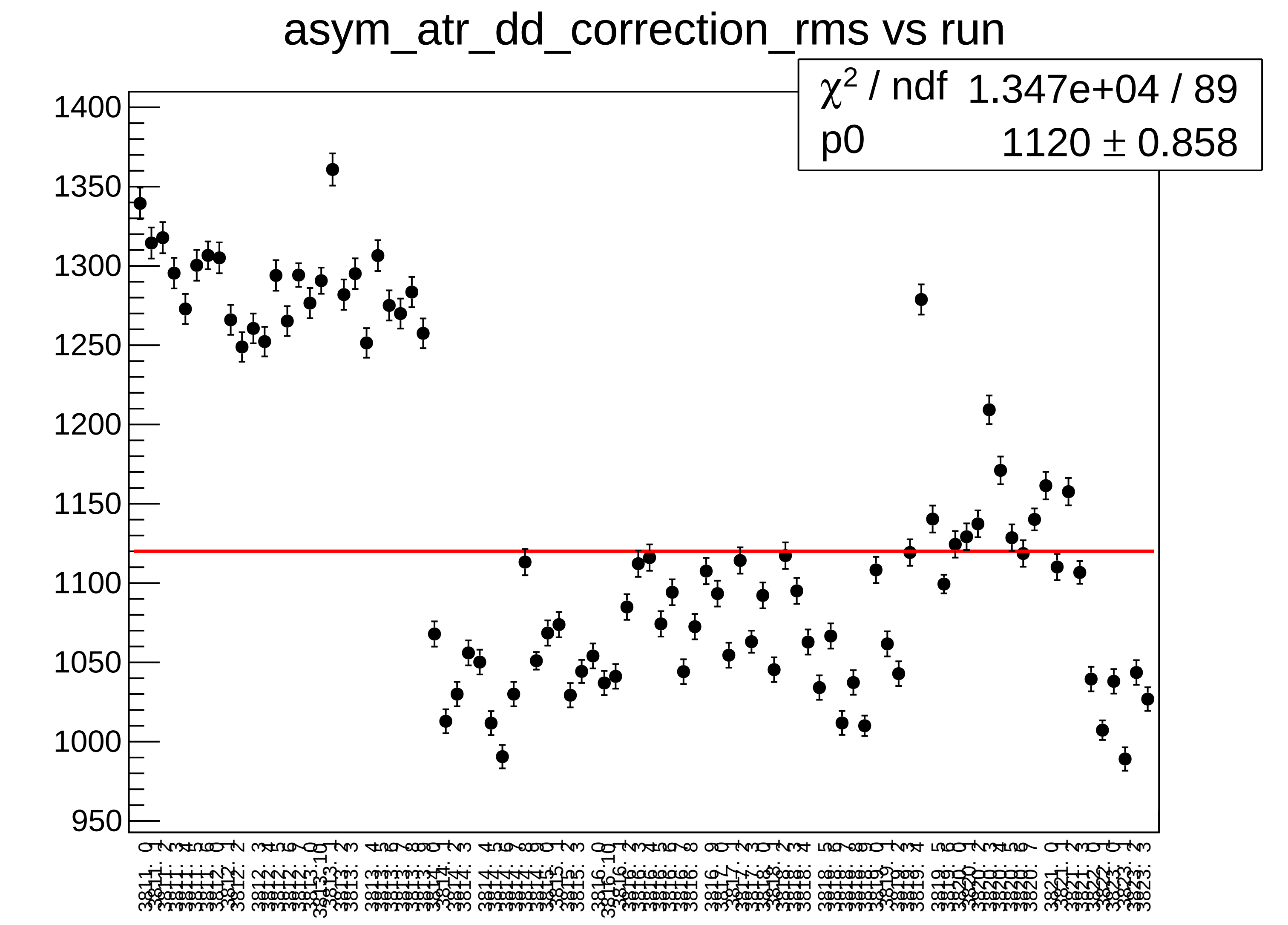


reg_asym_atr_dd_mean vs run
χ2 / ndf 87.49 / 89
p0 −314.1 ± 344
pull
Entries 90
Mean 101
Std Dev 47.89
pull1D
Entries 90
Mean 0.02324
Std Dev 0.9857

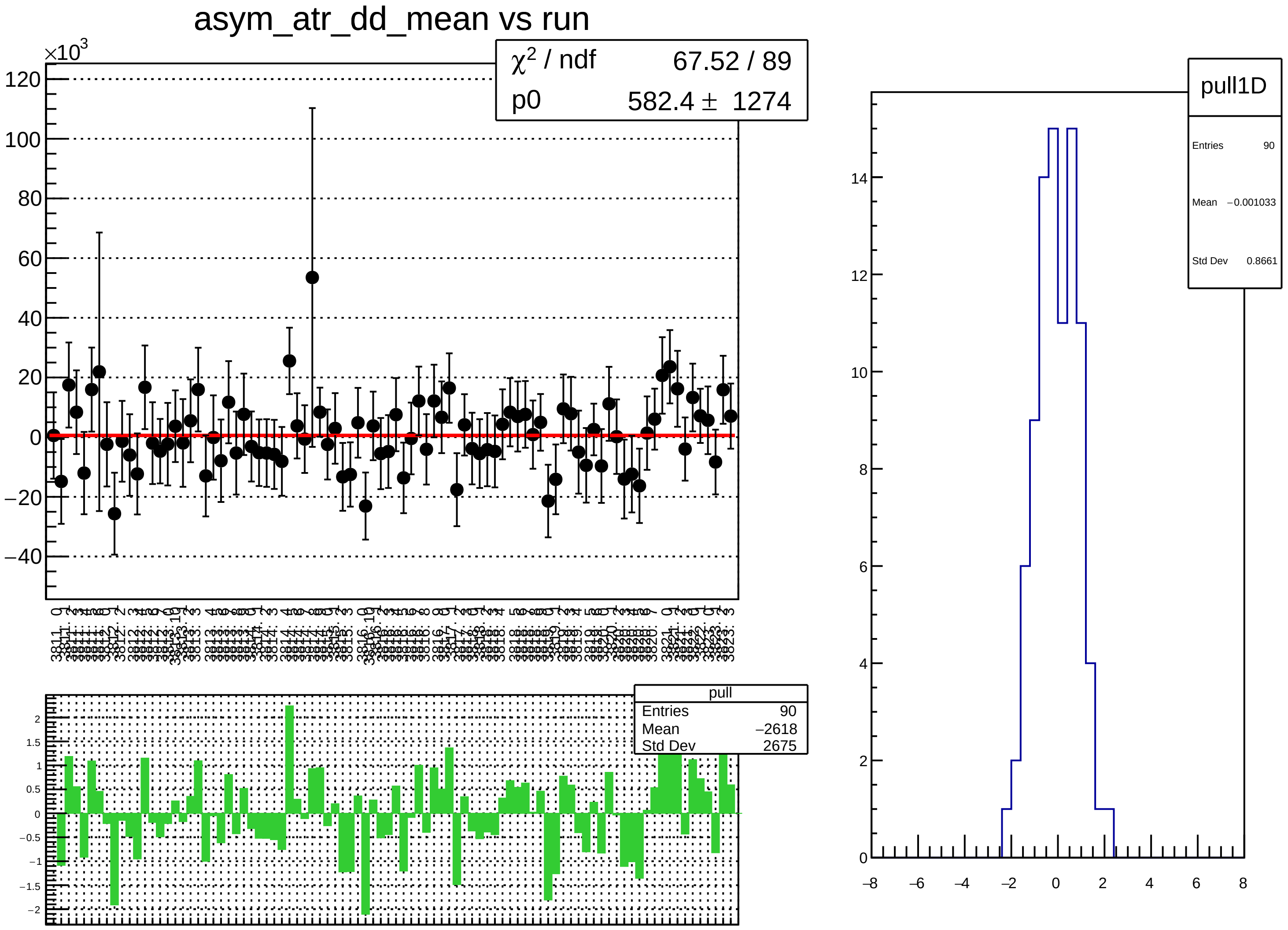

reg_asym_atr_dd_rms vs run
χ^2 / ndf 3.991e+04 / 89
p0 315.1 ± 0.2432
5000
4000
3000
2000
1000

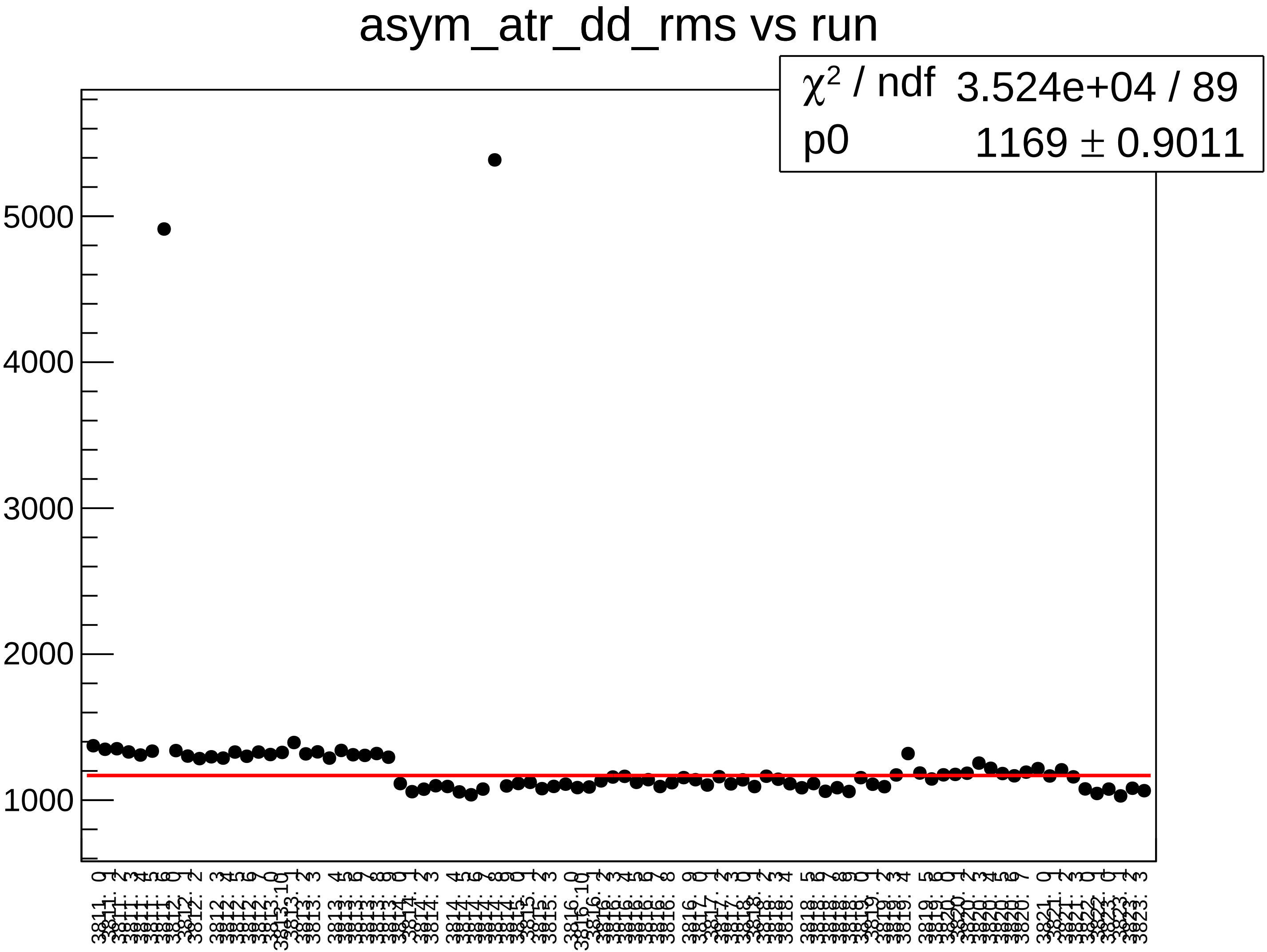


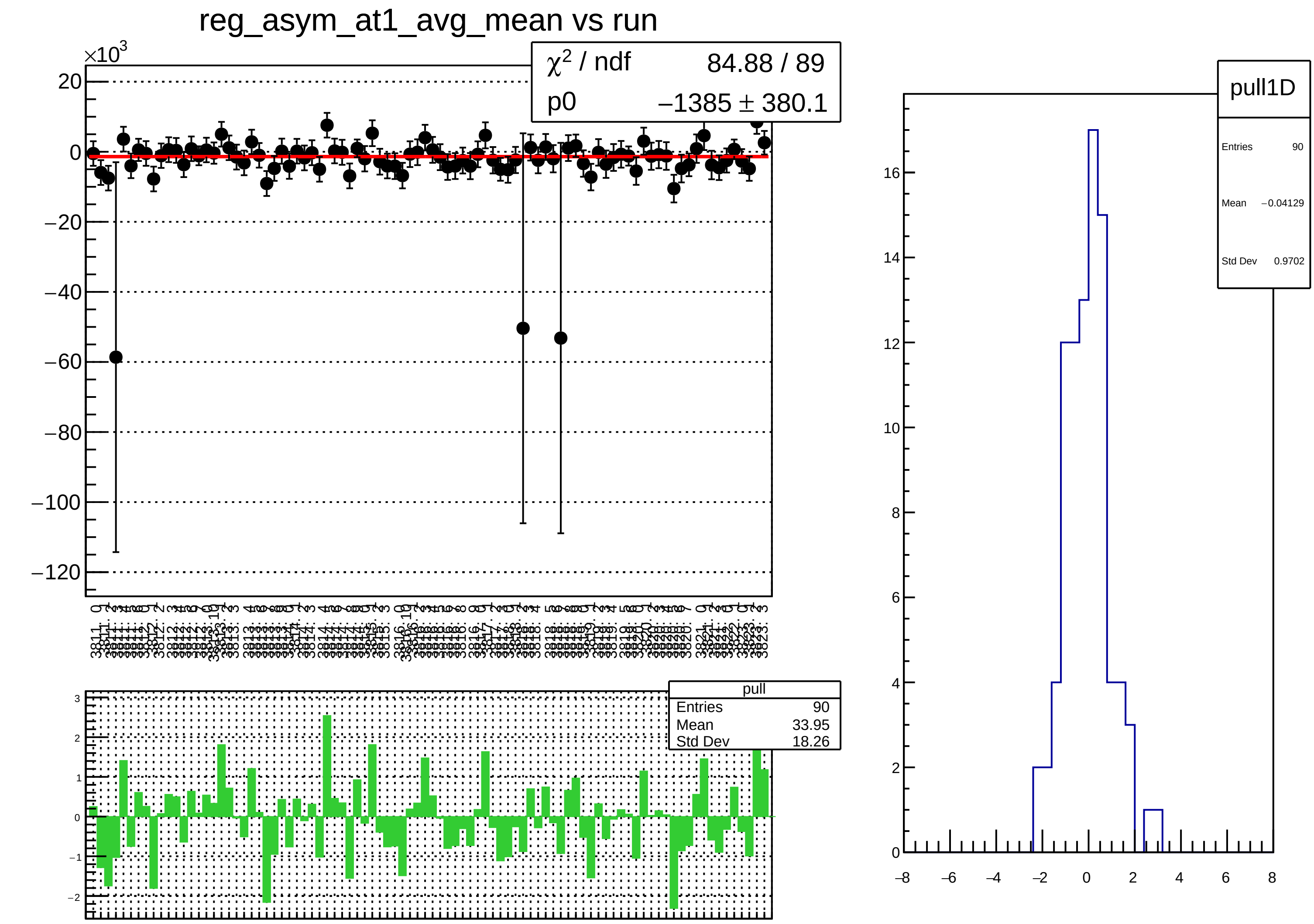
asym_atr_dd_correction_mean vs run
χ^2 / ndf 64.26 / 89
p0 −528.1 ± 1213
pull
Entries 90
Mean −226
Std Dev 276.3
pull1D
Entries 90
Mean 0.01392
Std Dev 0.8449

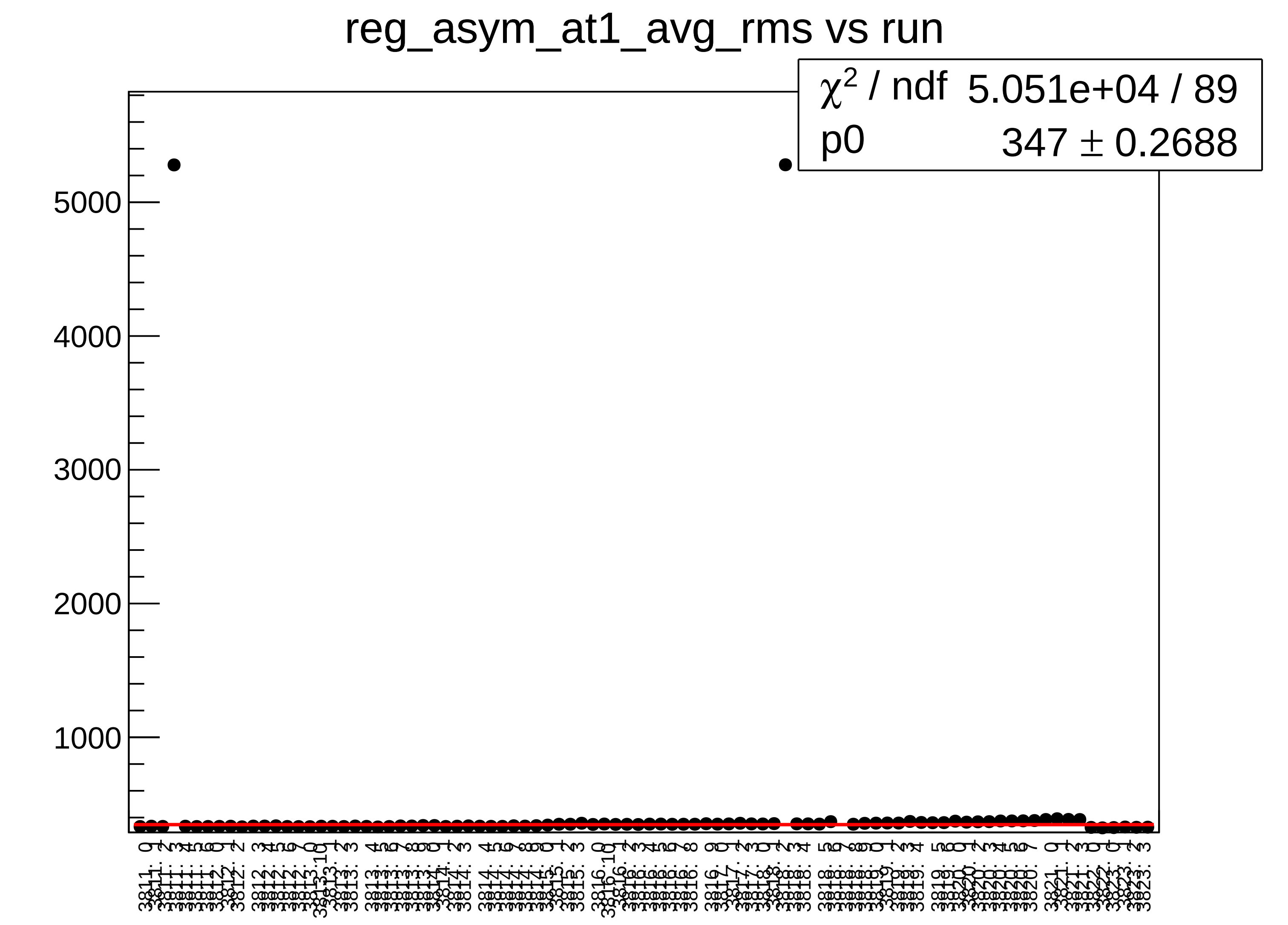


asym_atr_dd_correction_rms vs run
χ^2 / ndf 1.347e+04 / 89
p0 1120 ± 0.858
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

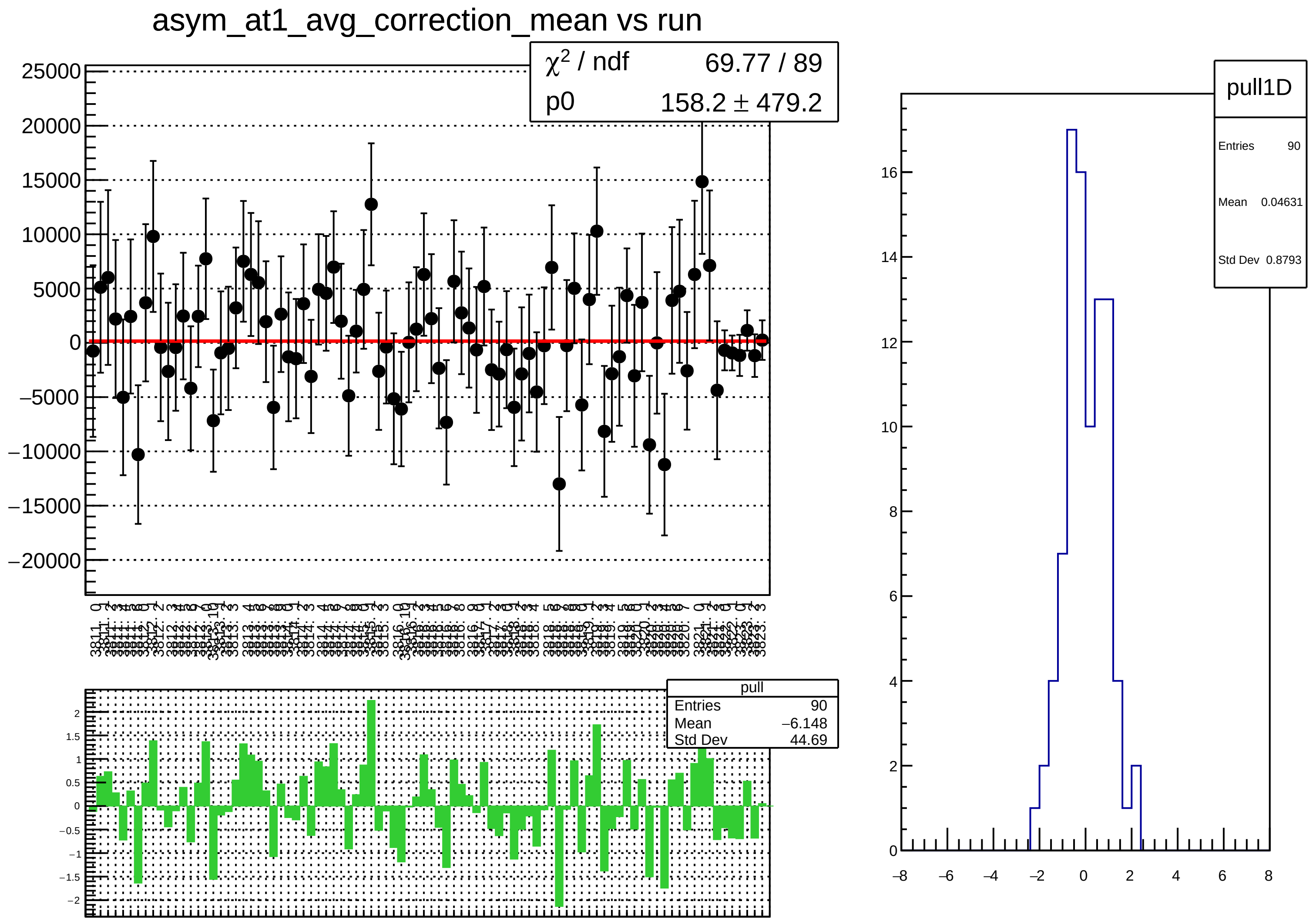

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 67.52 / 89
p0 582.4 ± 1274
pull
Entries 90
Mean −2618
Std Dev 2675
pull1D
Entries 90
Mean −0.001033
Std Dev 0.8661

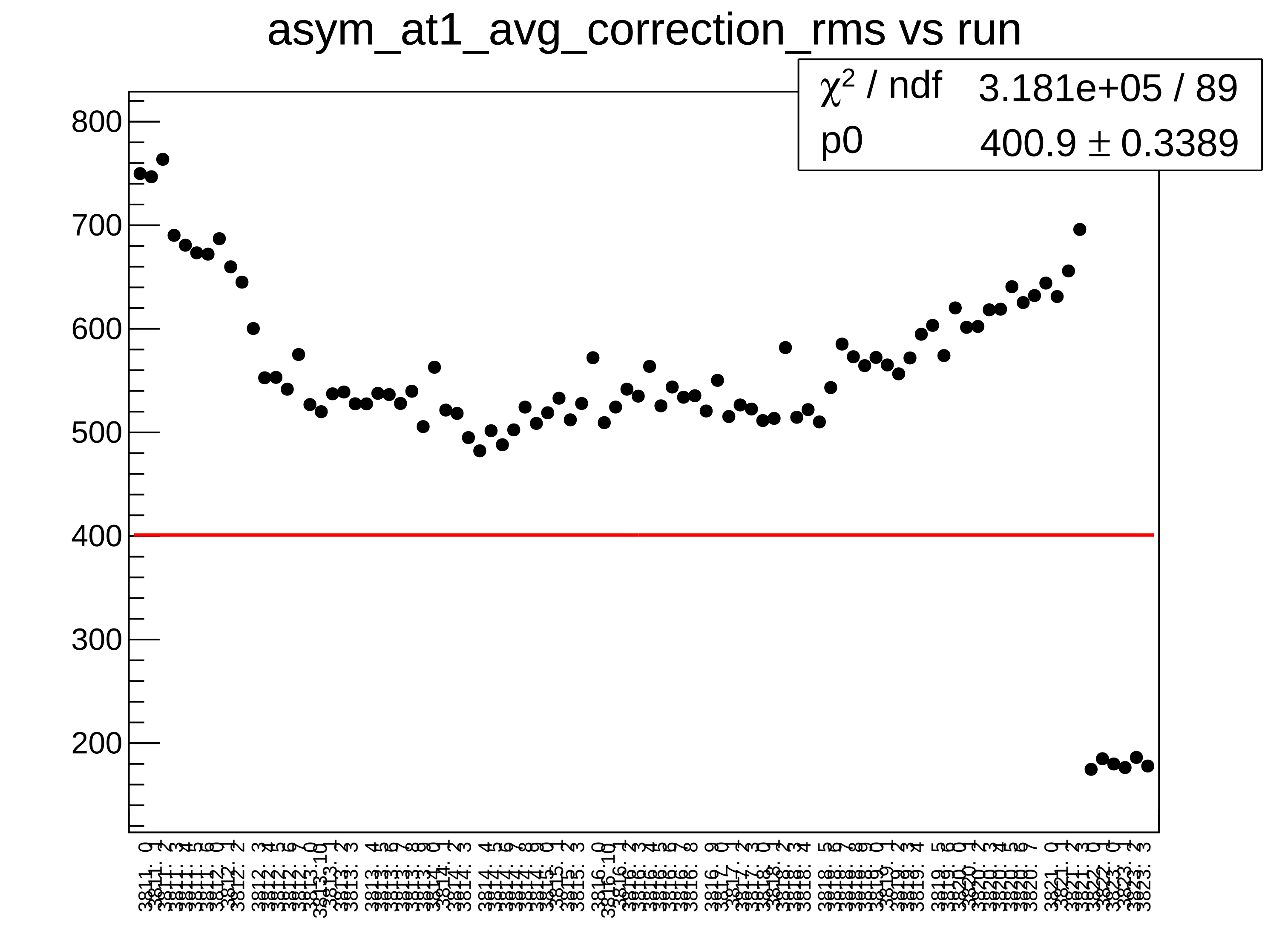

asym_atr_dd_rms vs run
χ^2 / ndf 3.524e+04 / 89
p0 1169 ± 0.9011
5000
4000
3000
2000
1000


reg_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 84.88 / 89
p0 −1385 ± 380.1
pull
Entries 90
Mean 33.95
Std Dev 18.26
pull1D
Entries 90
Mean −0.04129
Std Dev 0.9702

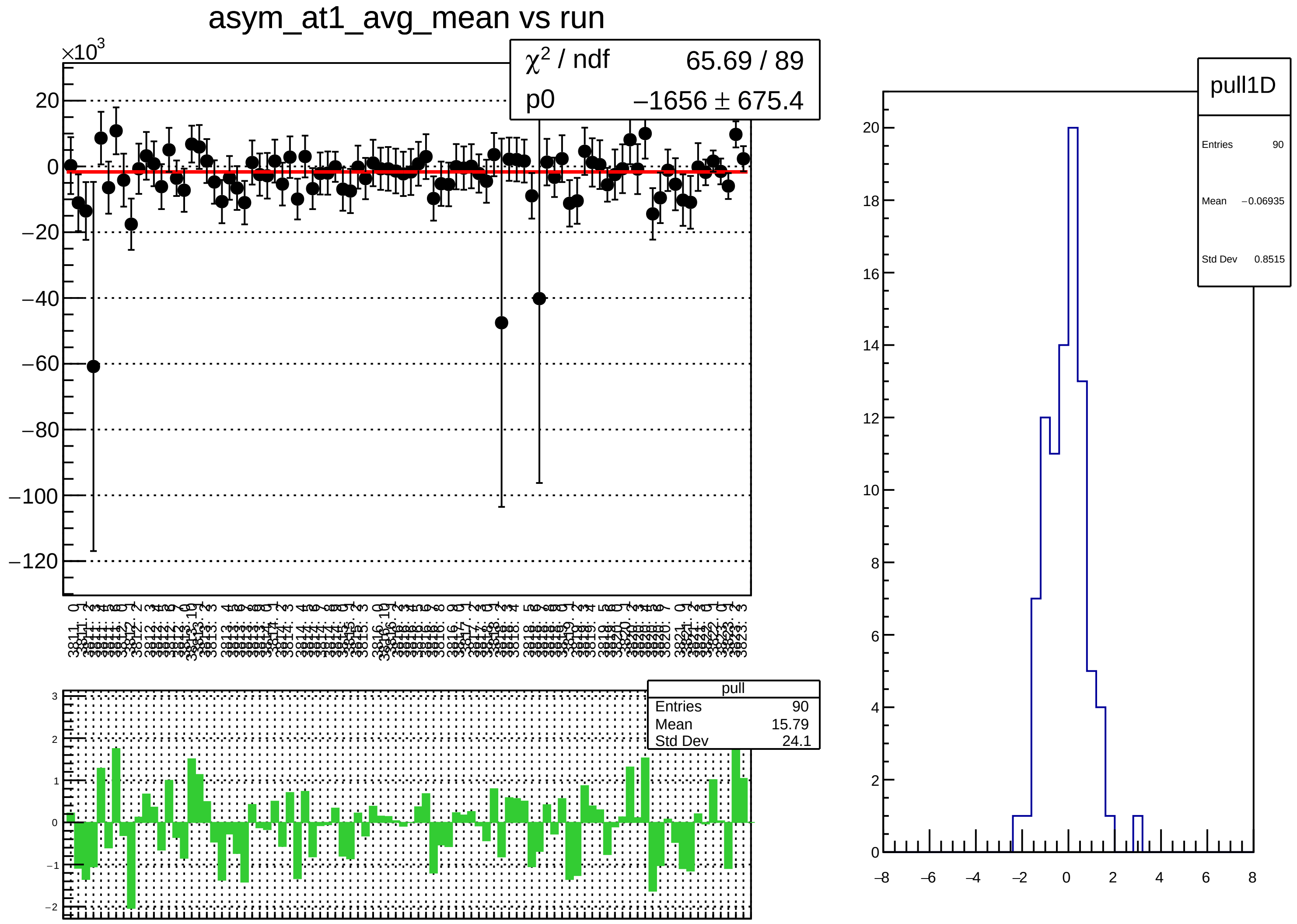


reg_asym_at1_avg_rms vs run
χ^2 / ndf 5.051e+04 / 89
p0 347 ± 0.2688
5000
4000
3000
2000
1000

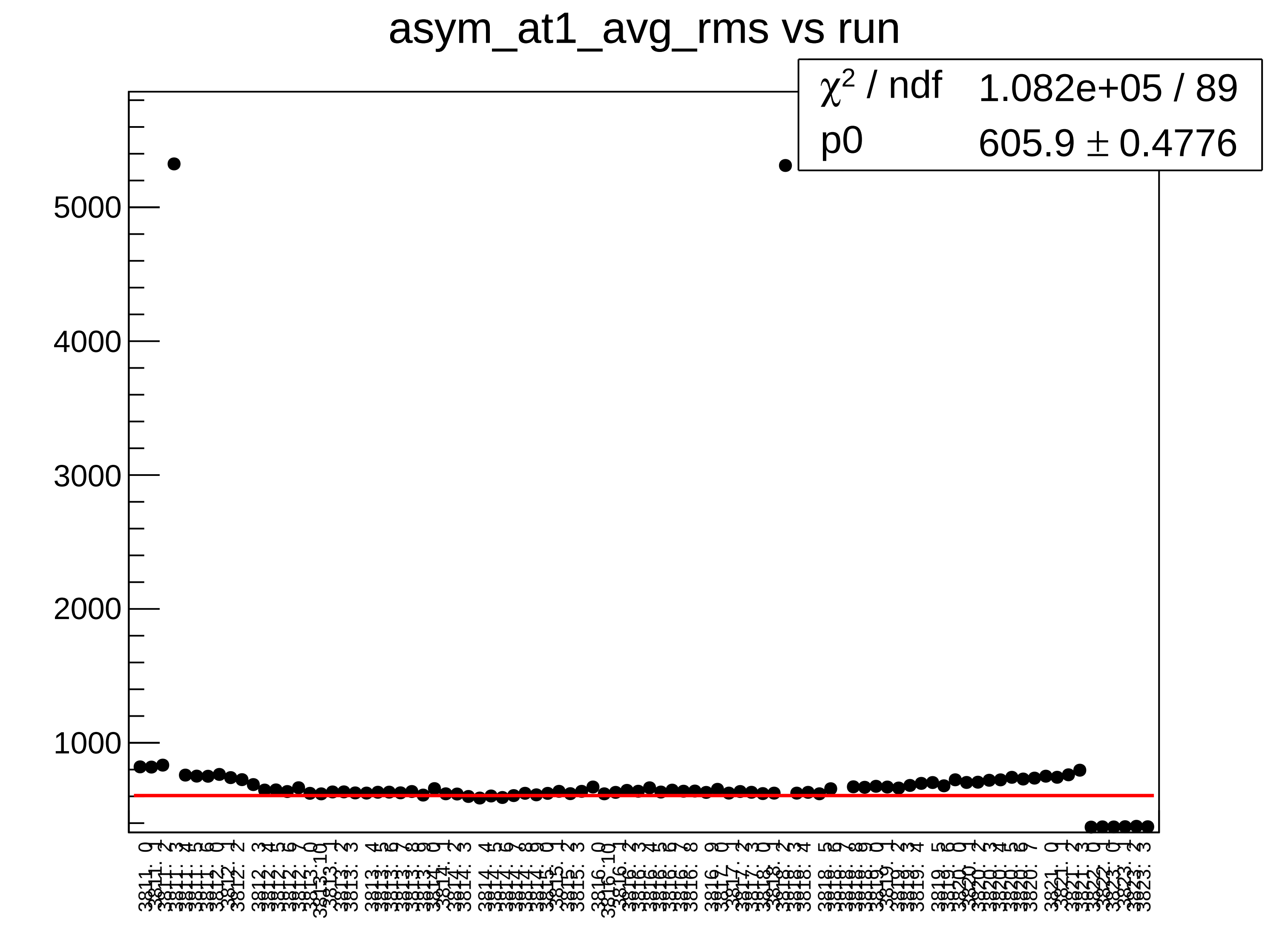

asym_at1_avg_correction_mean vs run
χ2 / ndf 69.77 / 89
p0 158.2 ± 479.2
pull
Entries 90
Mean −6.148
Std Dev 44.69
pull1D
Entries 90
Mean 0.04631
Std Dev 0.8793

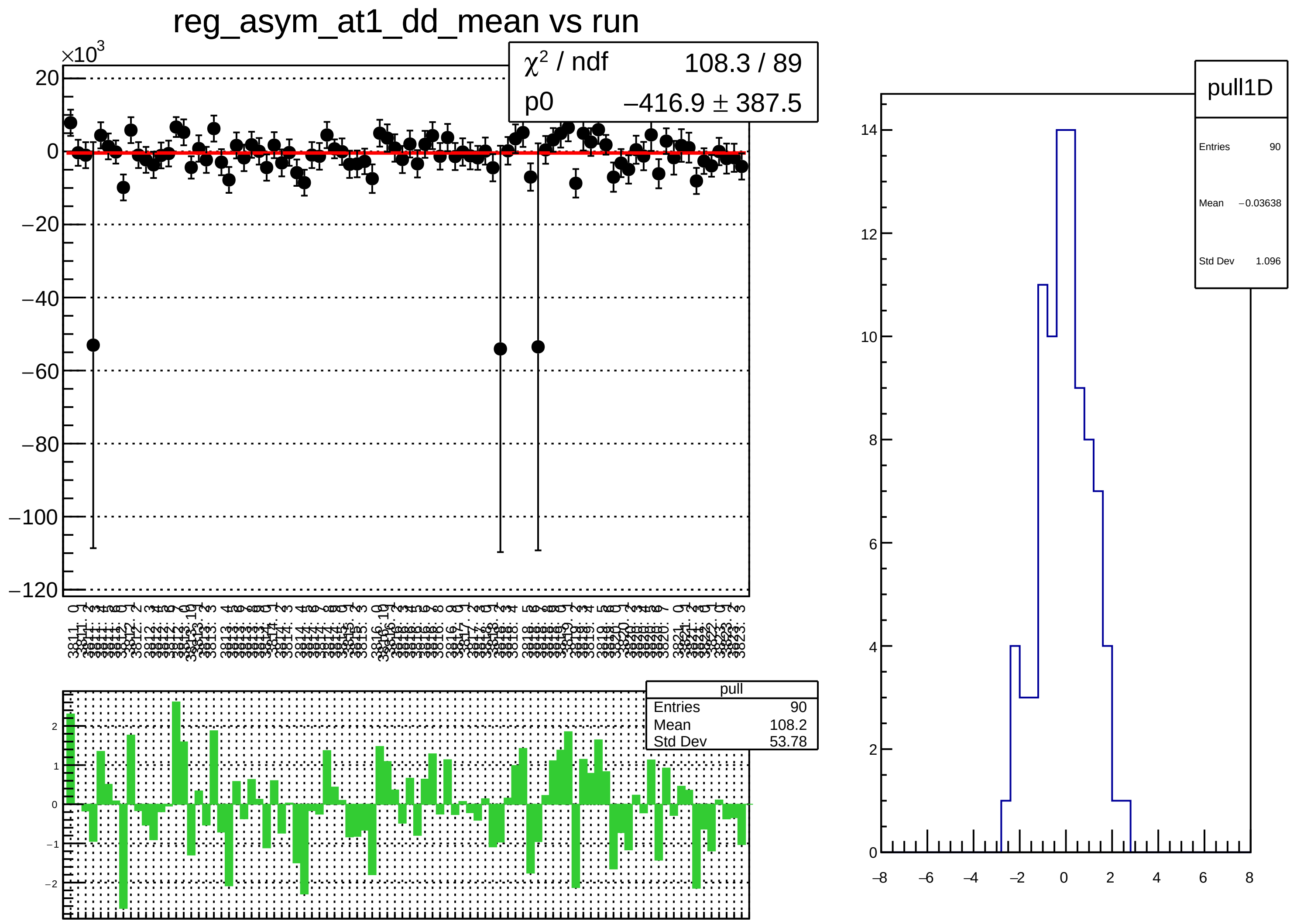


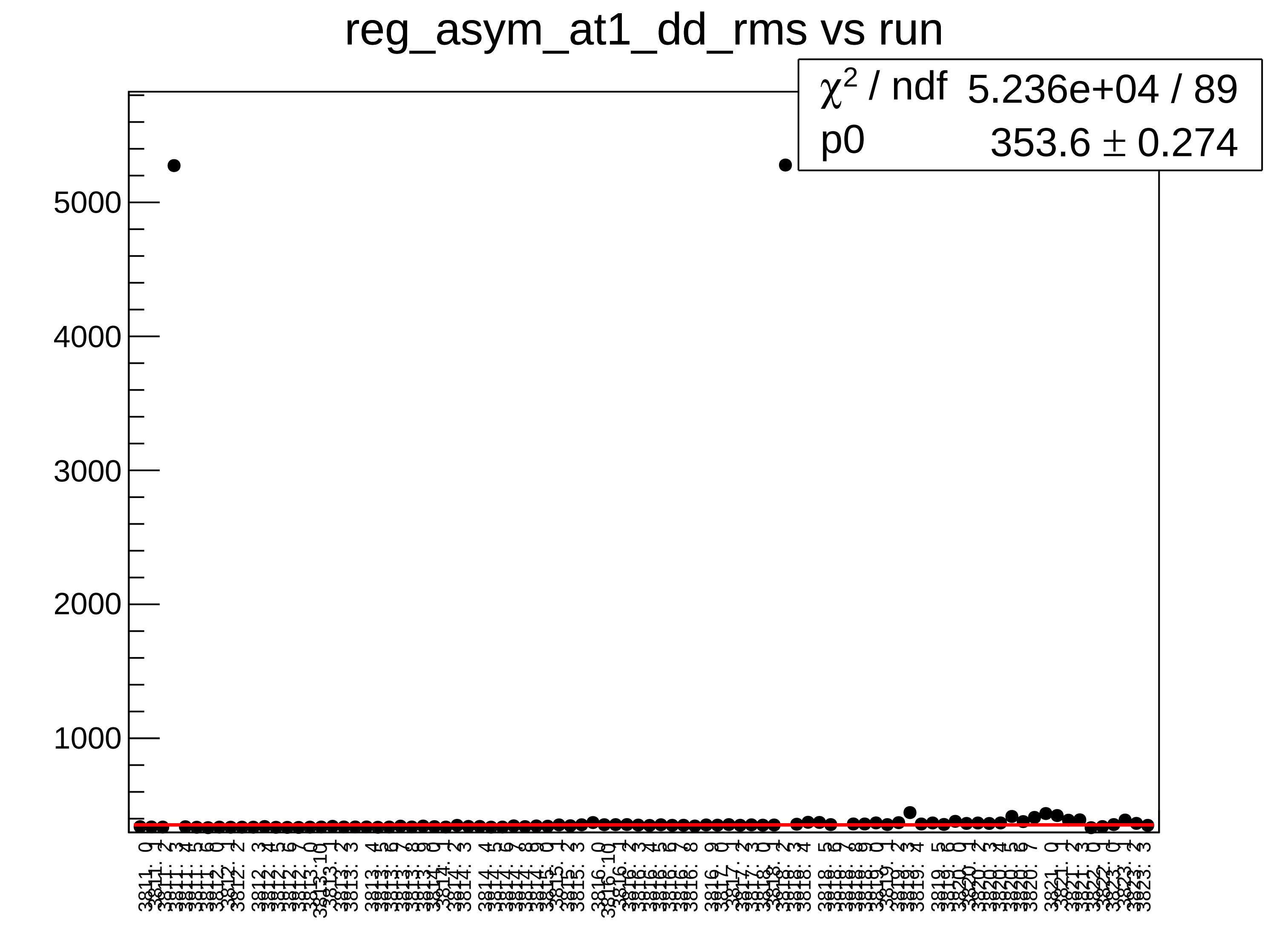
asym_at1_avg_correction_rms vs run
χ^2 / ndf 3.181e+05 / 89
p0 400.9 ± 0.3389
800
700
600
500
400
300
200



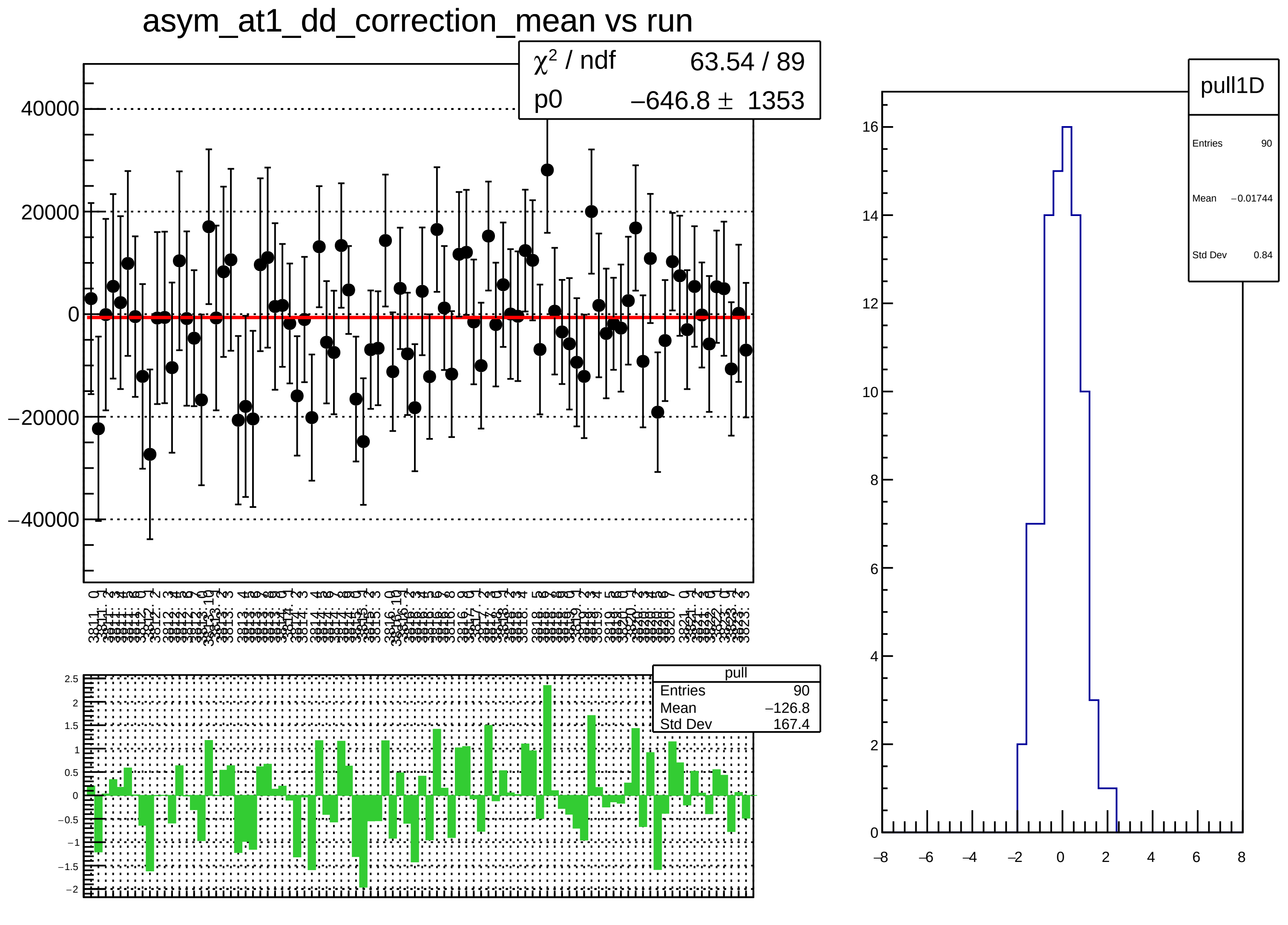
asym_at1_avg_mean vs run
×10^3
χ2 / ndf 65.69 / 89
p0 −1656 ± 675.4
pull
Entries 90
Mean 15.79
Std Dev 24.1
pull1D
Entries 90
Mean −0.06935
Std Dev 0.8515


asym_at1_avg_rms vs run
χ^2 / ndf 1.082e+05 / 89
p0 605.9 ± 0.4776
5000
4000
3000
2000
1000

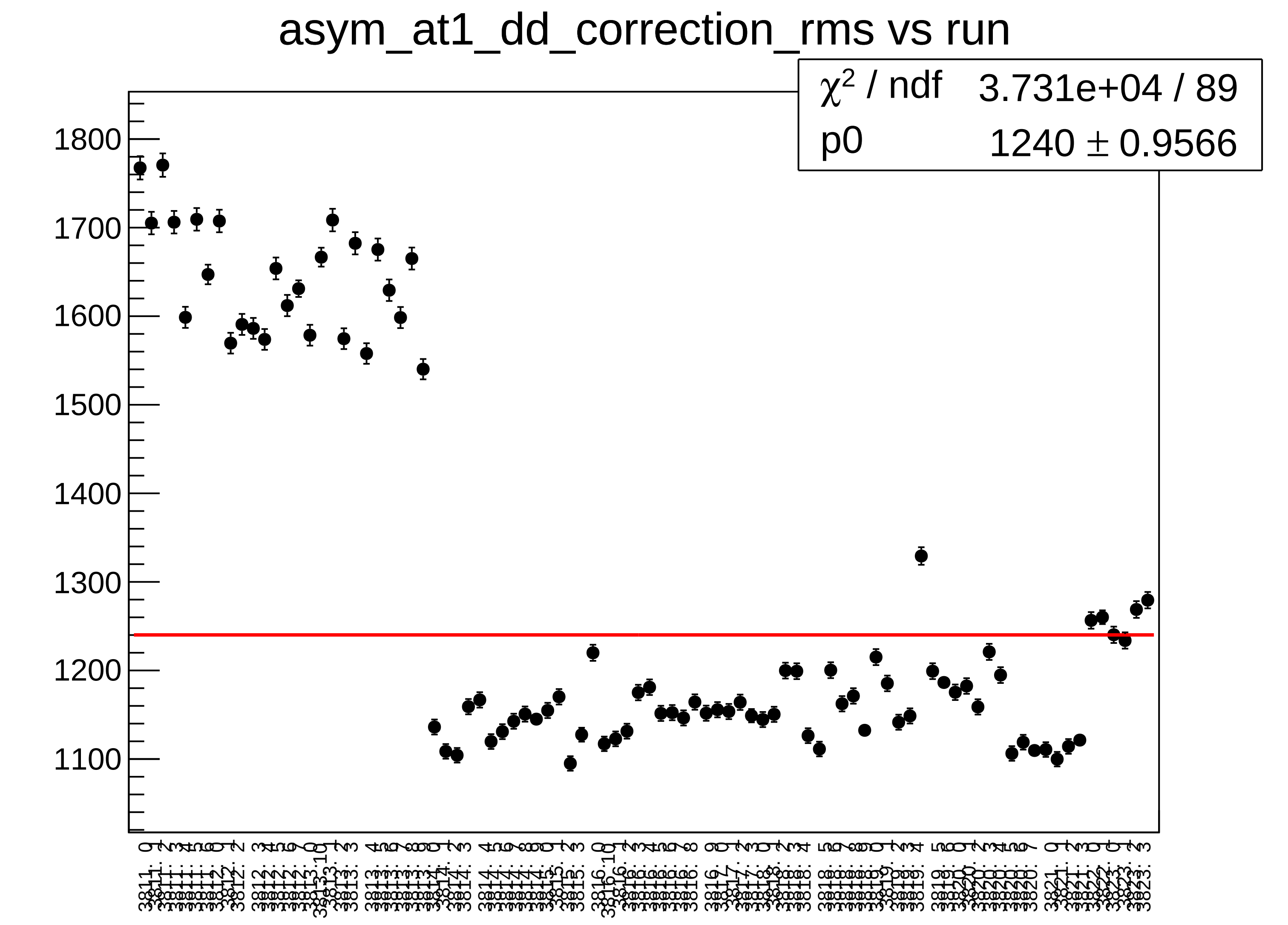

reg_asym_at1_dd_mean vs run
×10^3
χ2 / ndf 108.3 / 89
p0 −416.9 ± 387.5
pull
Entries 90
Mean 108.2
Std Dev 53.78
pull1D
Entries 90
Mean −0.03638
Std Dev 1.096

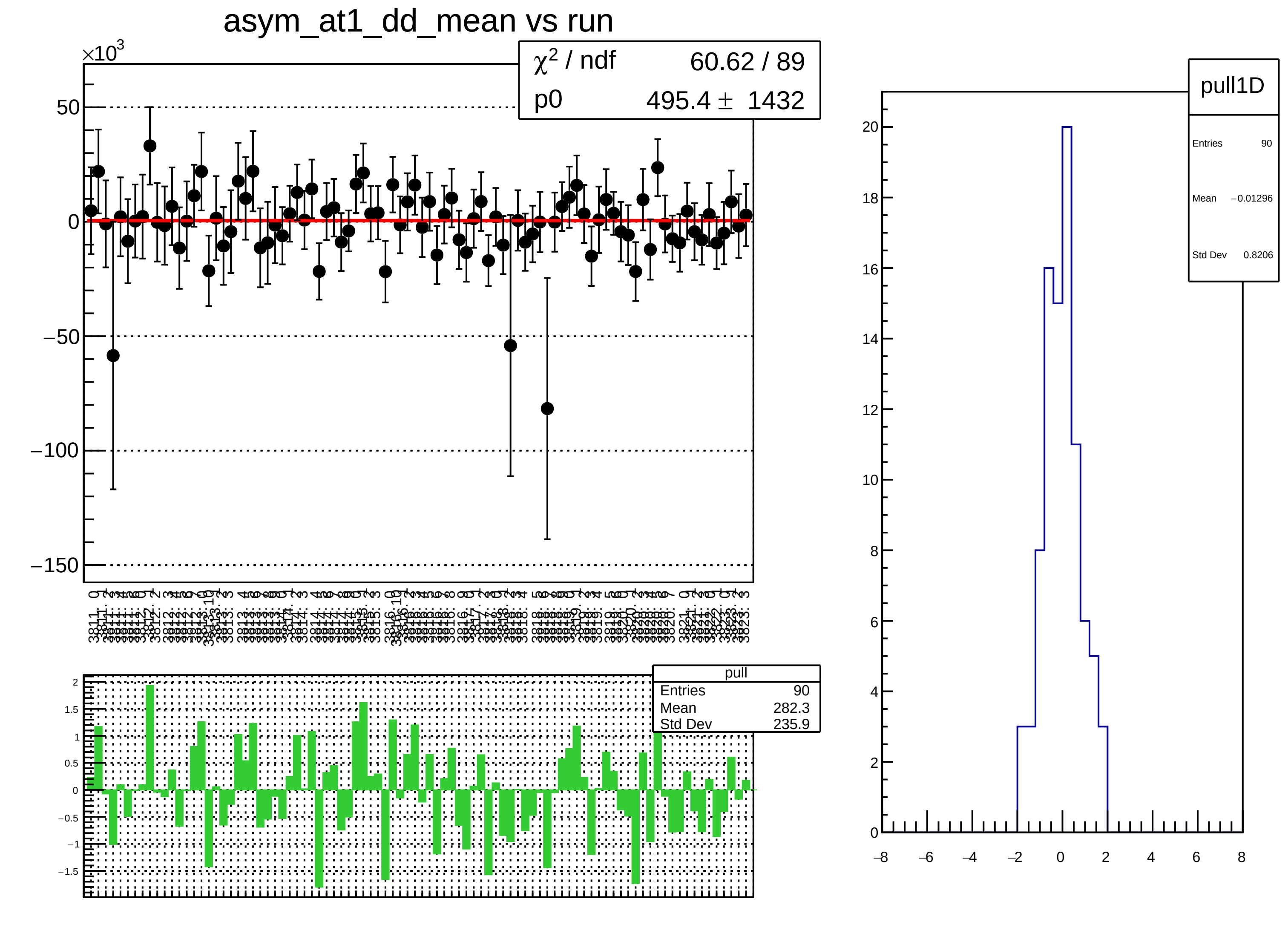


reg_asym_at1_dd_rms vs run
χ^2 / ndf 5.236e+04 / 89
p0 353.6 ± 0.274
5000
4000
3000
2000
1000

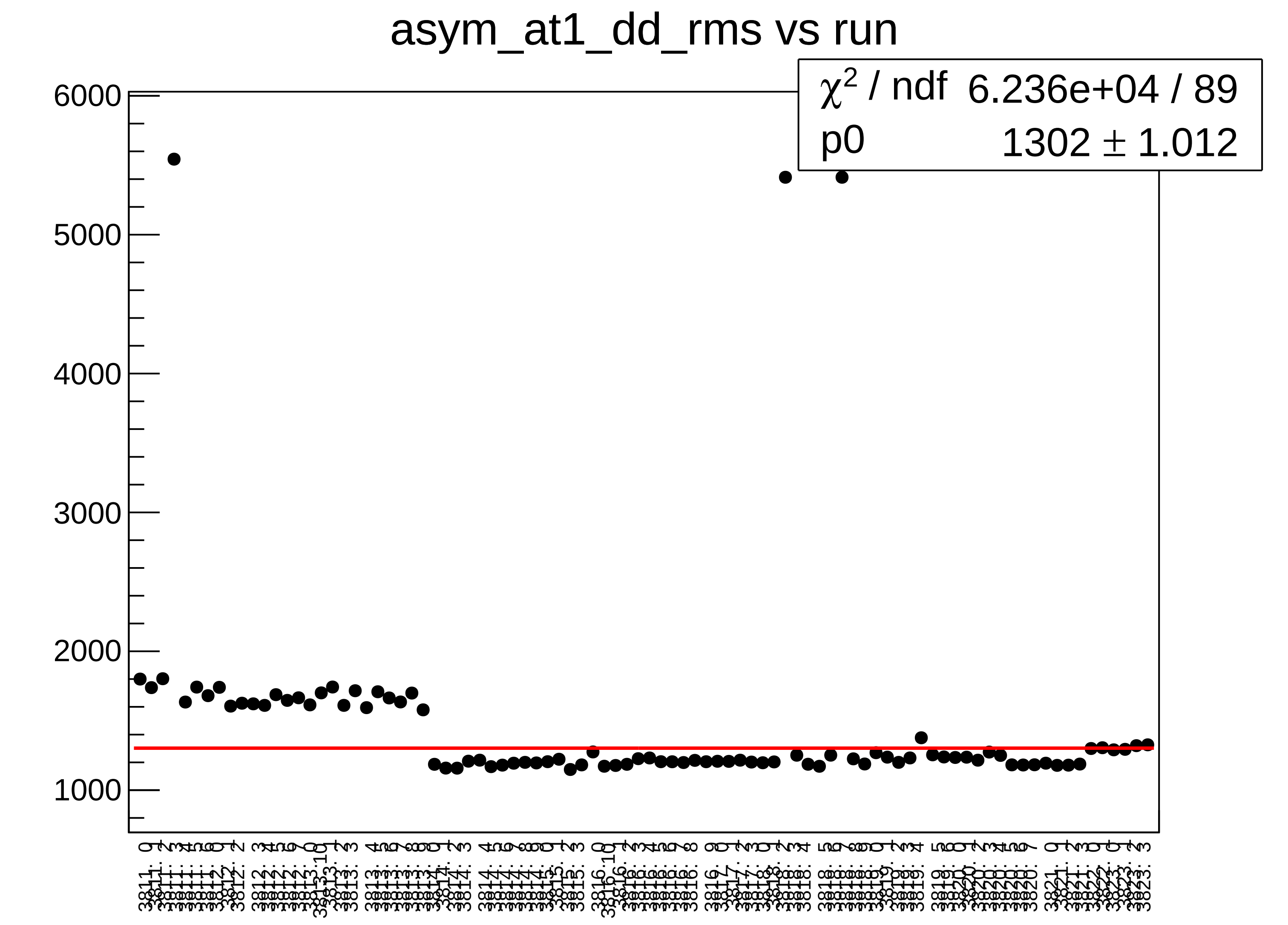


asym_at1_dd_correction_mean vs run
χ^2 / ndf 63.54 / 89
p0 −646.8 ± 1353
pull
Entries 90
Mean −126.8
Std Dev 167.4
pull1D
Entries 90
Mean −0.01744
Std Dev 0.84

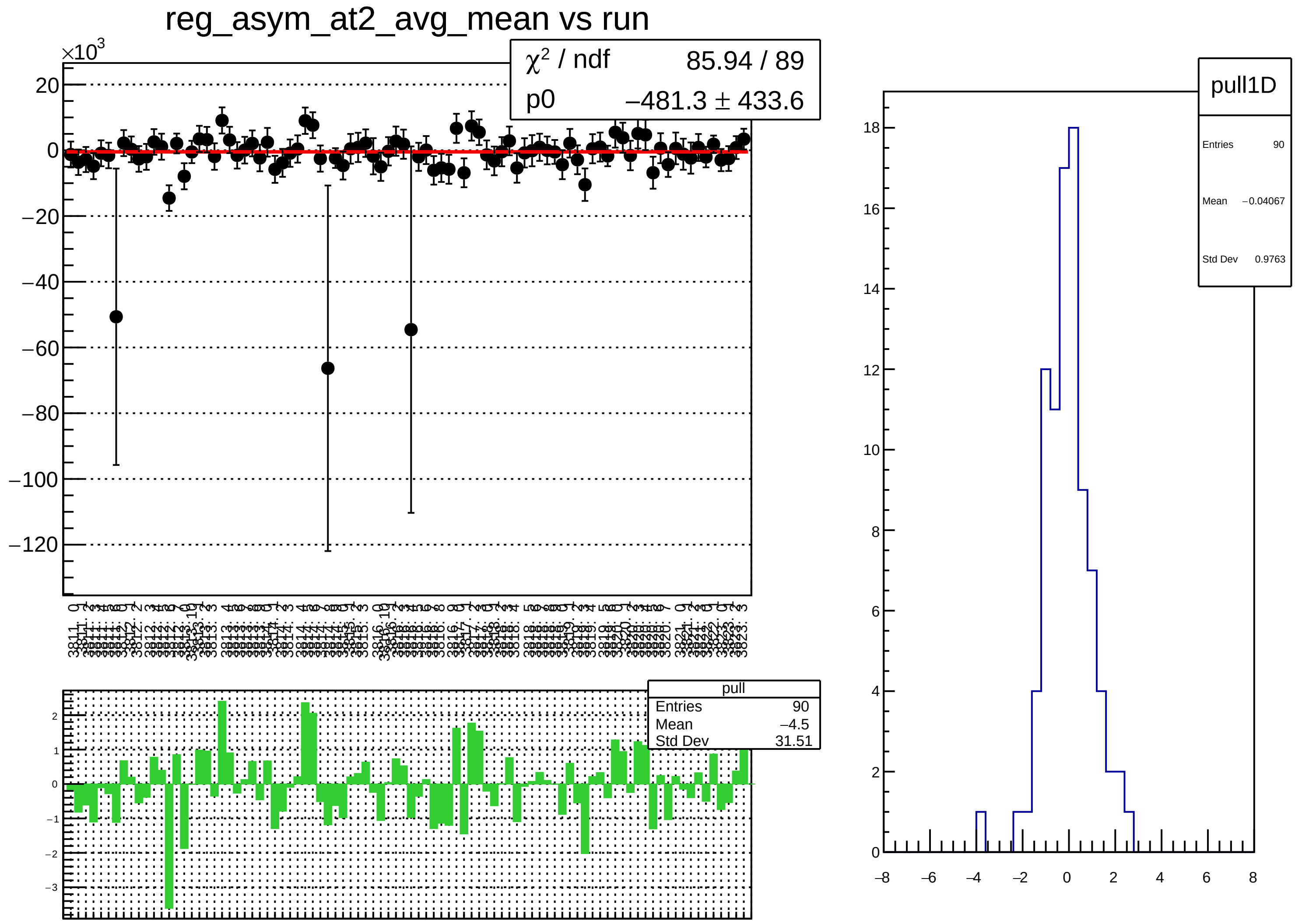

asym_at1_dd_correction_rms vs run
χ^2 / ndf 3.731e+04 / 89
p0 1240 ± 0.9566
1800
1700
1600
1500
1400
1300
1200
1100

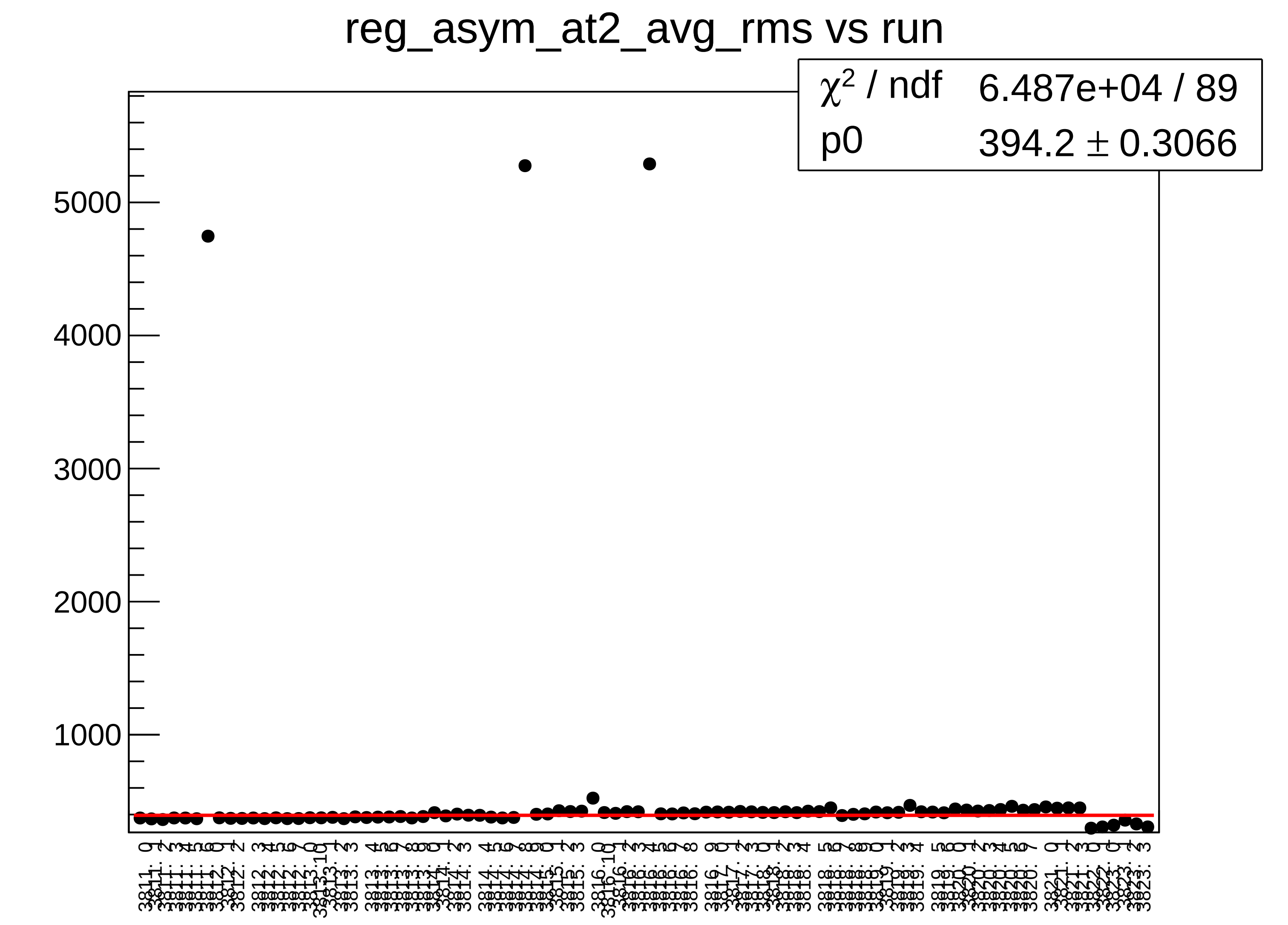


asym_at1_dd_mean vs run
×10^3
χ2 / ndf 60.62 / 89
p0 495.4 ± 1432
50
0
−50
−100
−150
pull
Entries 90
Mean 282.3
Std Dev 235.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 90
Mean −0.01296
Std Dev 0.8206
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

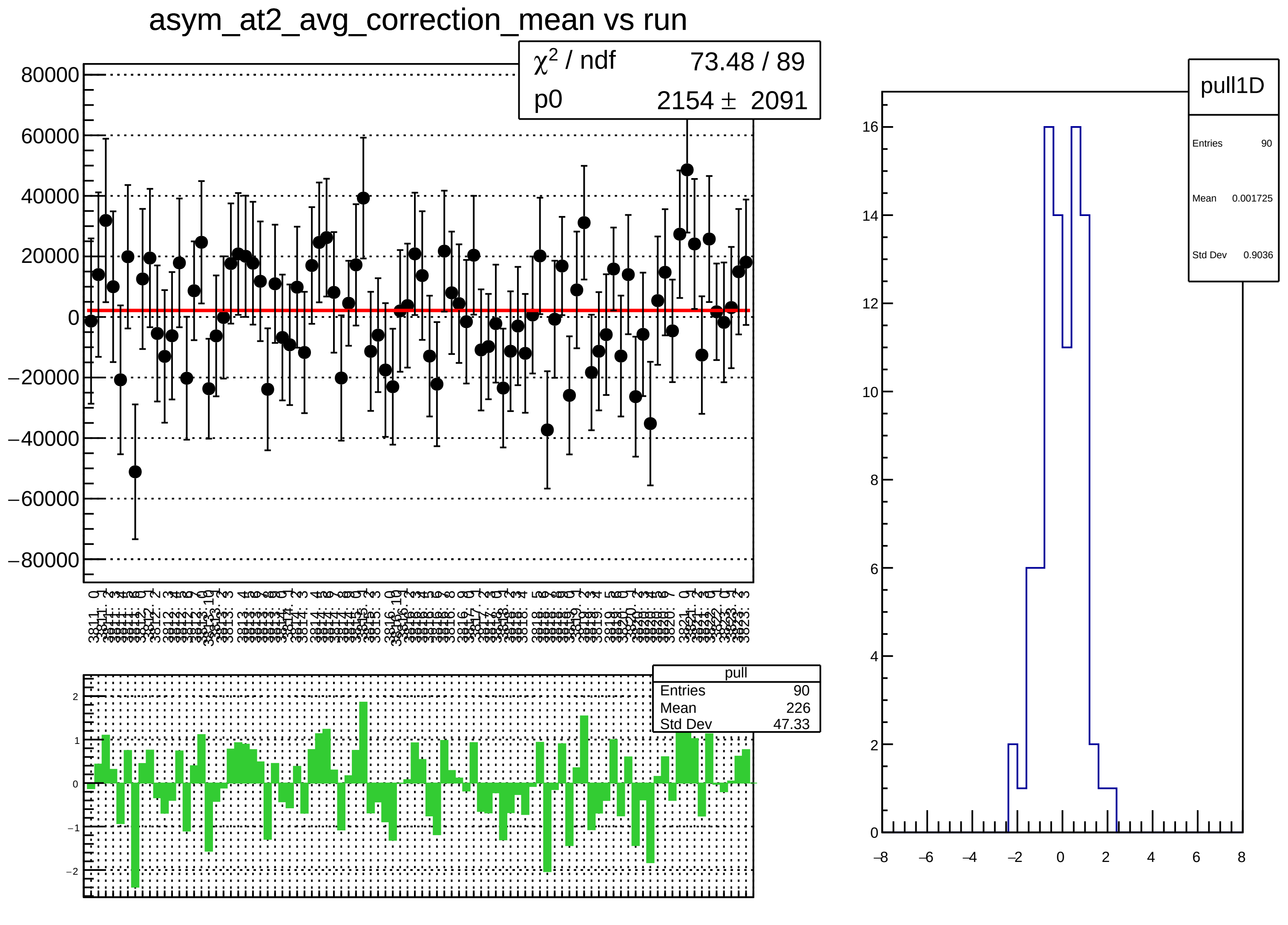


asym_at1_dd_rms vs run
χ2 / ndf 6.236e+04 / 89
p0 1302 ± 1.012

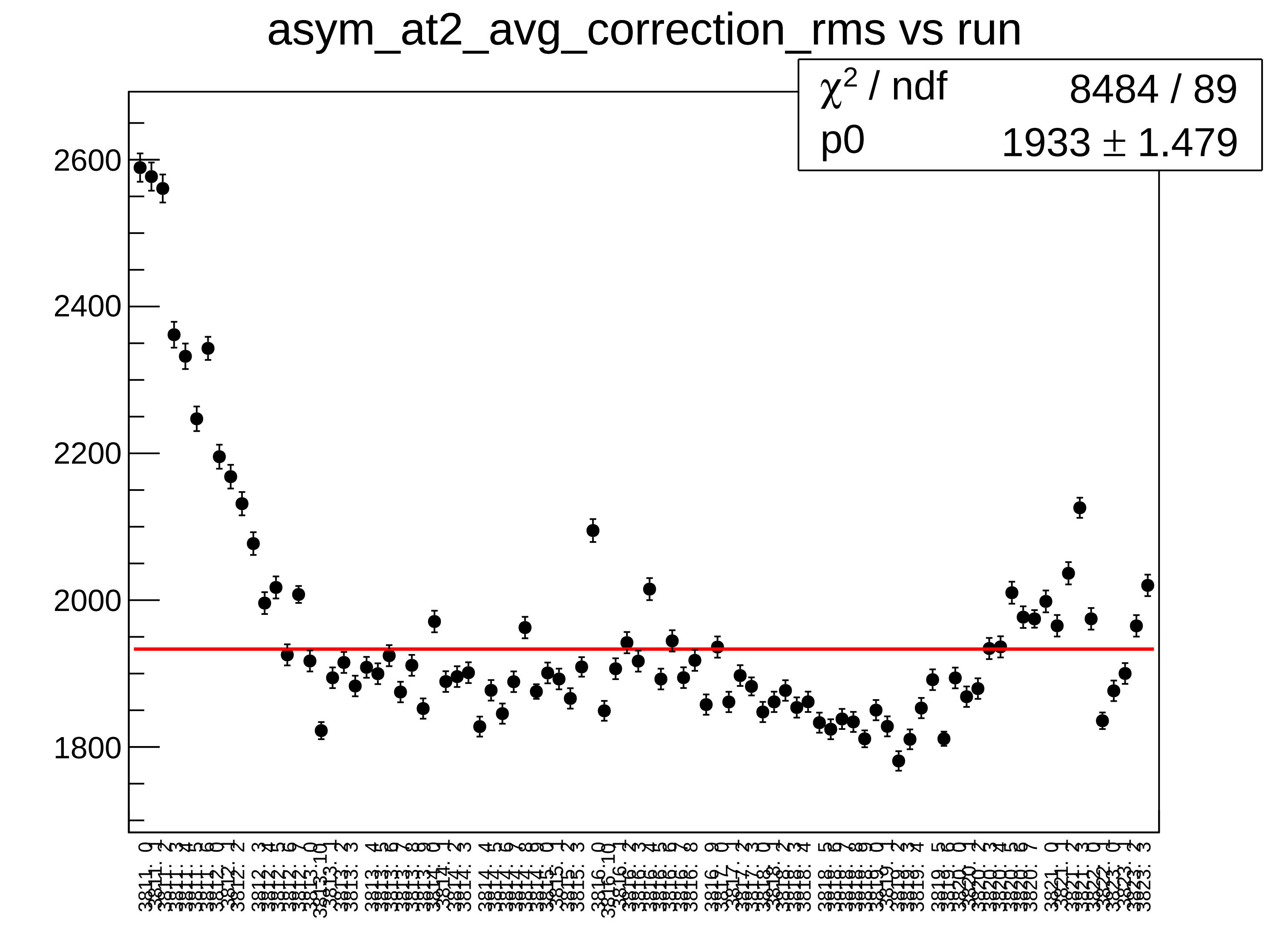

reg_asym_at2_avg_mean vs run
×10^3
χ2 / ndf 85.94 / 89
p0 −481.3 ± 433.6
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 90
Mean −4.5
Std Dev 31.51
2
1
0
−1
−2
−3
pull1D
Entries 90
Mean −0.04067
Std Dev 0.9763
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

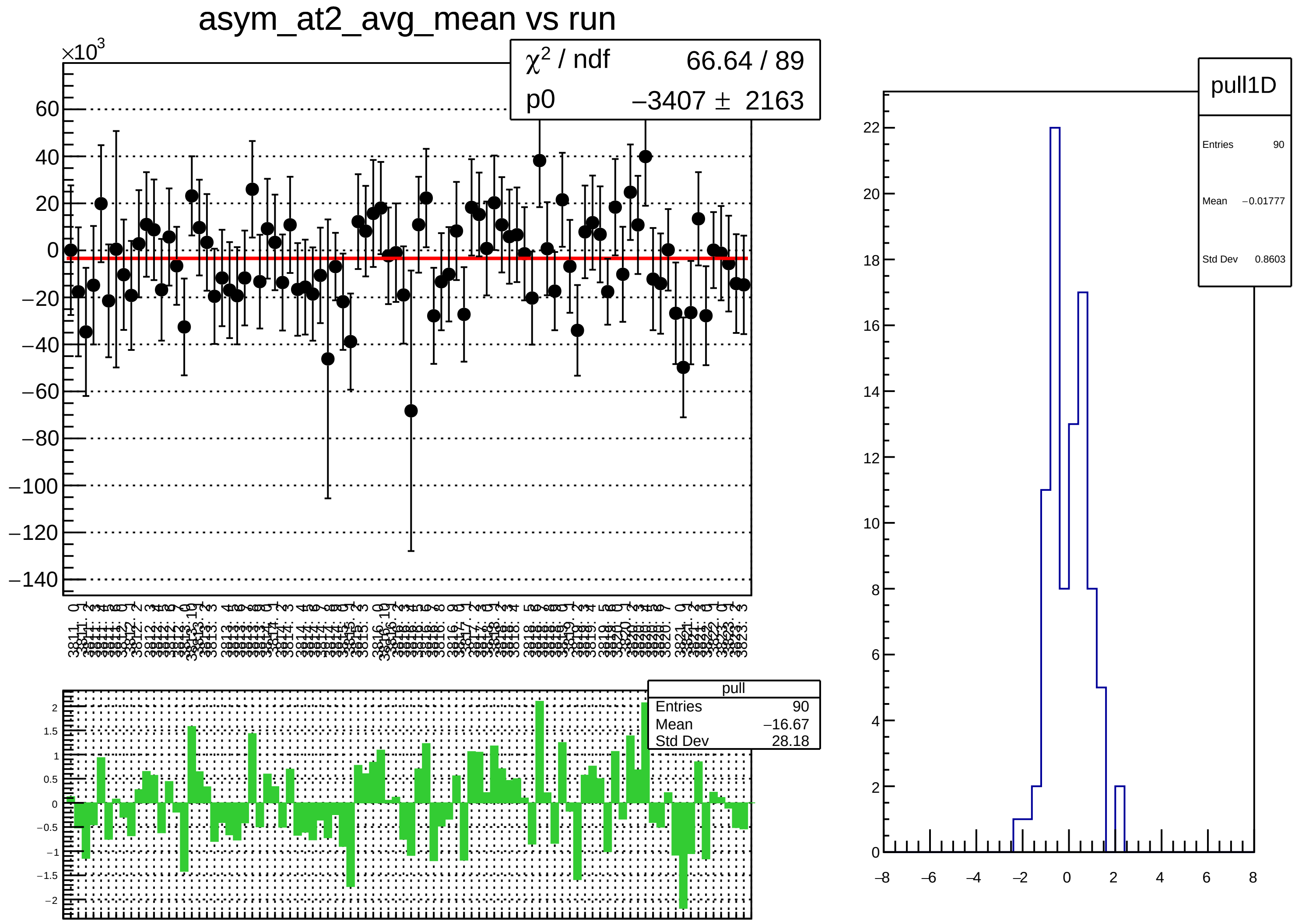


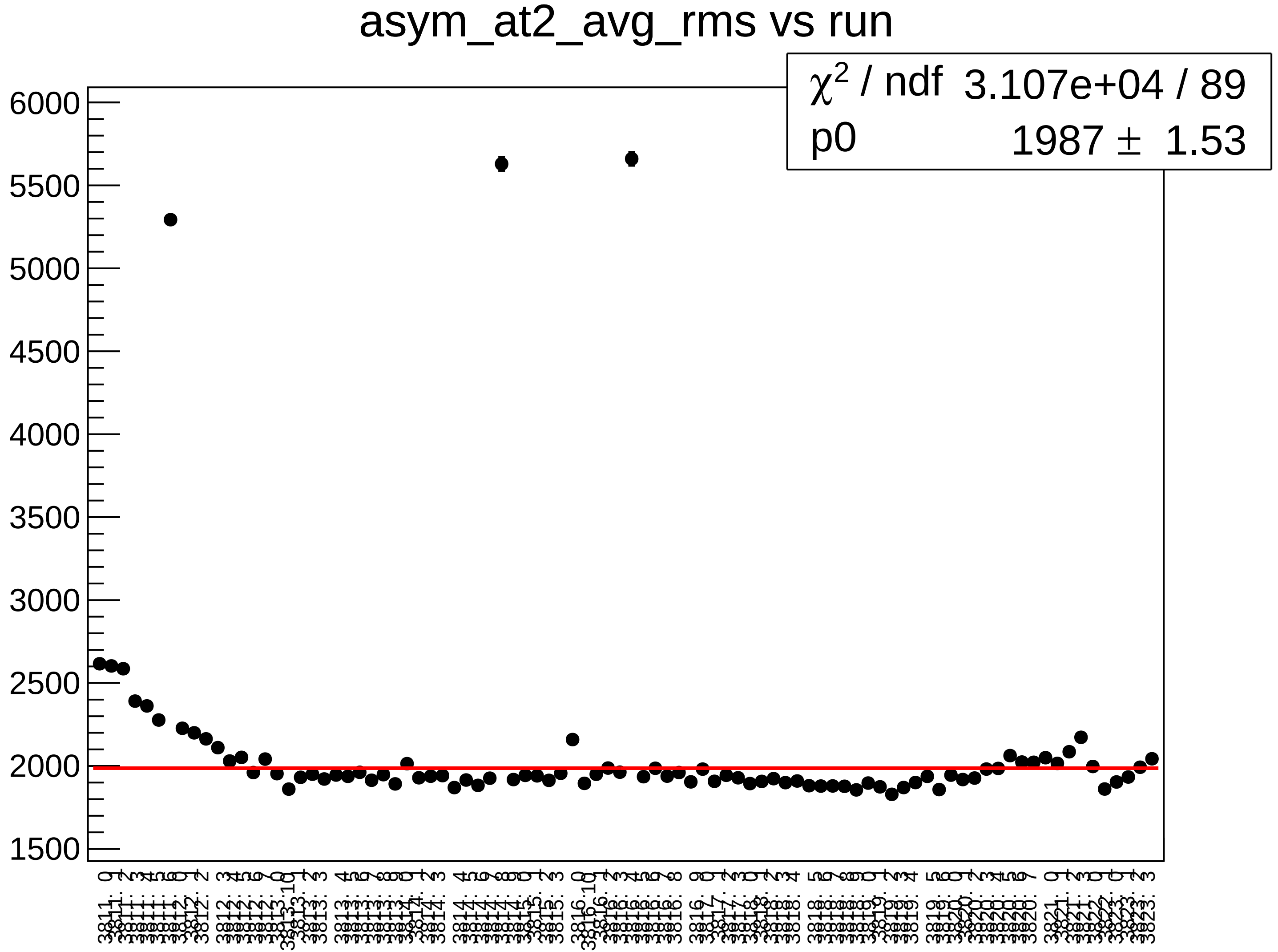
reg_asym_at2_avg_rms vs run
χ^2 / ndf 6.487e+04 / 89
p0 394.2 ± 0.3066
5000
4000
3000
2000
1000



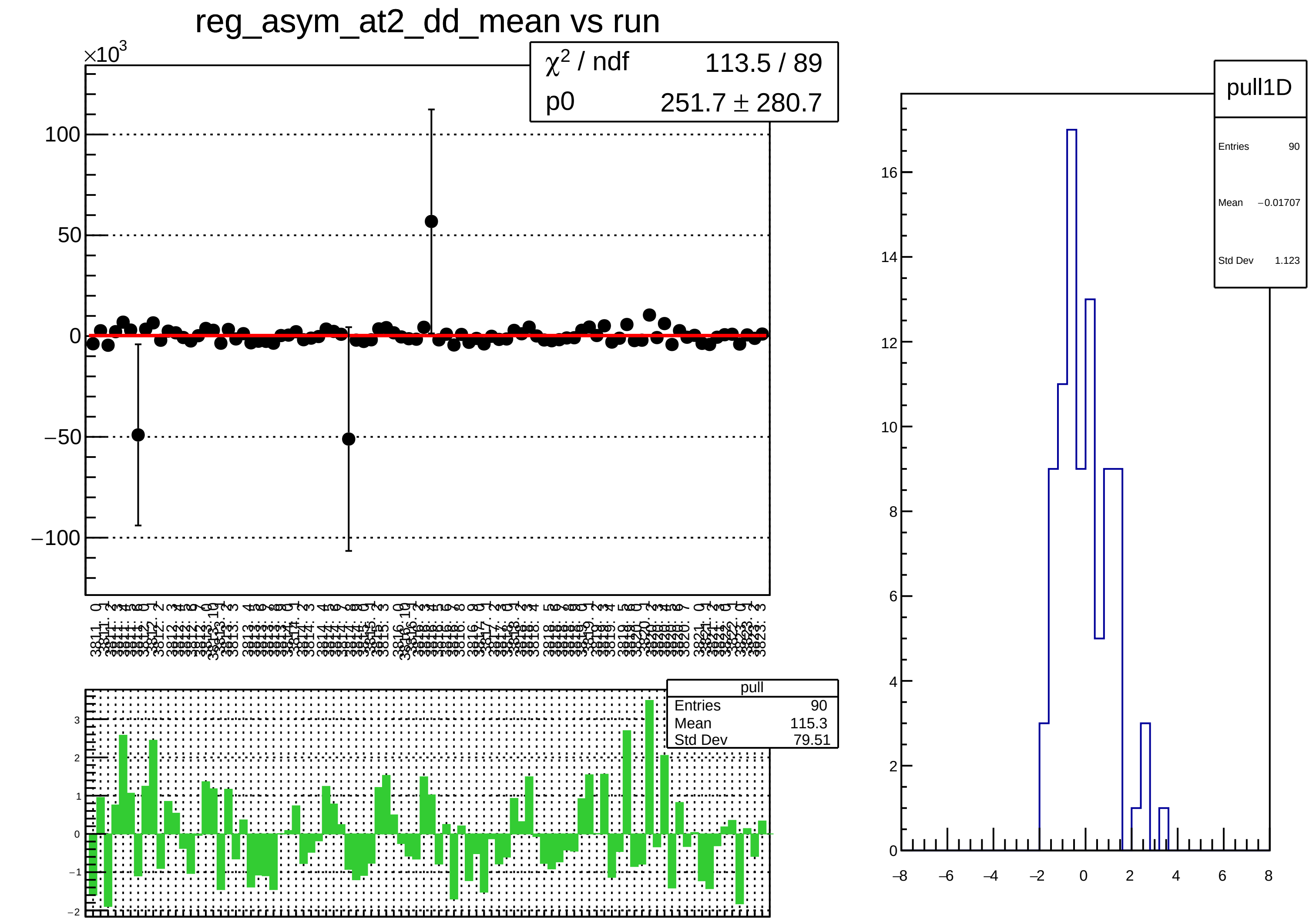
asym_at2_avg_correction_mean vs run
χ^2 / ndf 73.48 / 89
p0 2154 ± 2091
pull
Entries 90
Mean 226
Std Dev 47.33
pull1D
Entries 90
Mean 0.001725
Std Dev 0.9036


asym_at2_avg_correction_rms vs run
χ^2 / ndf 8484 / 89
p0 1933 ± 1.479
2600
2400
2200
2000
1800

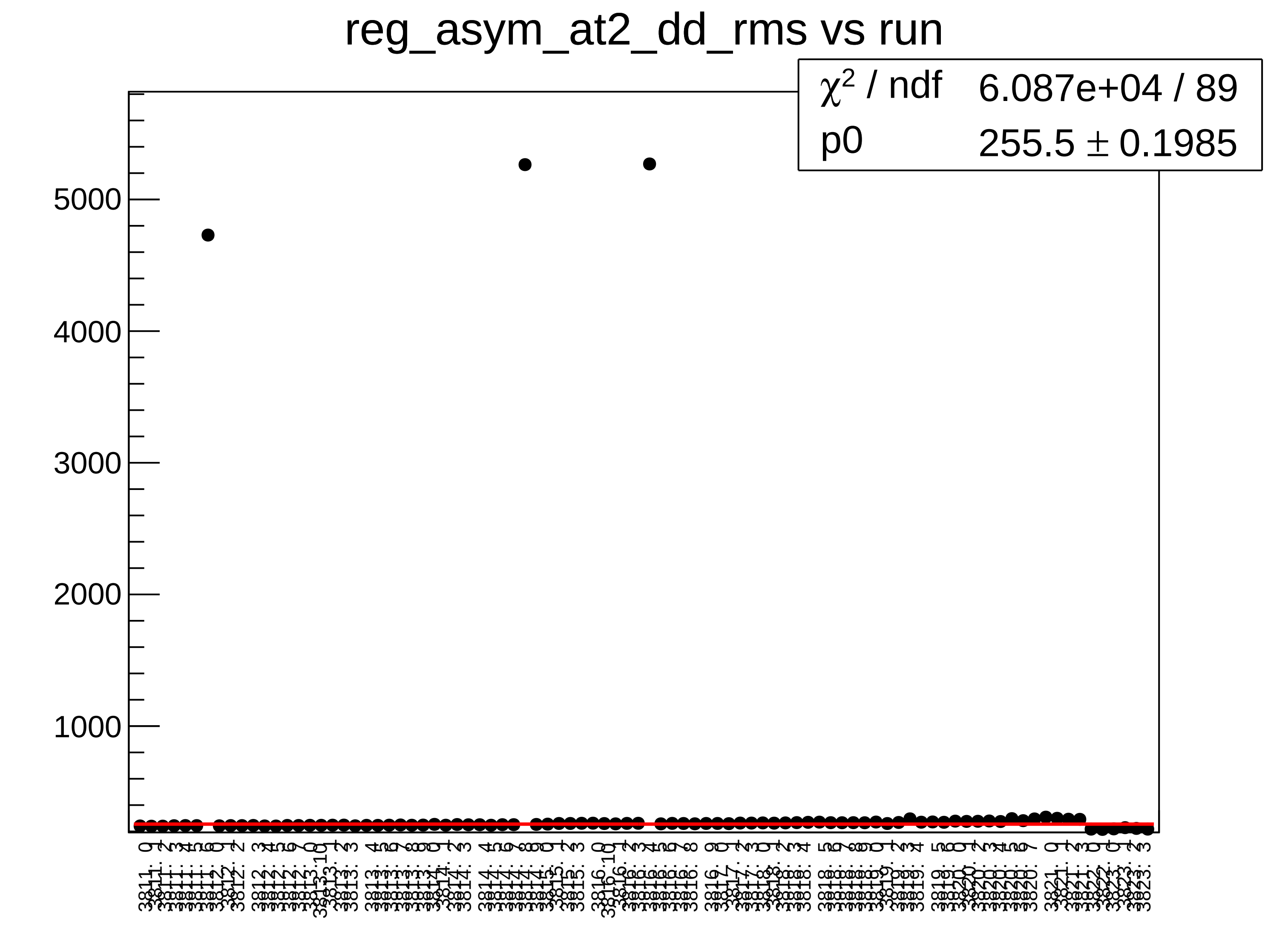

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 66.64 / 89
p0 −3407 ± 2163
pull
Entries 90
Mean −16.67
Std Dev 28.18
pull1D
Entries 90
Mean −0.01777
Std Dev 0.8603

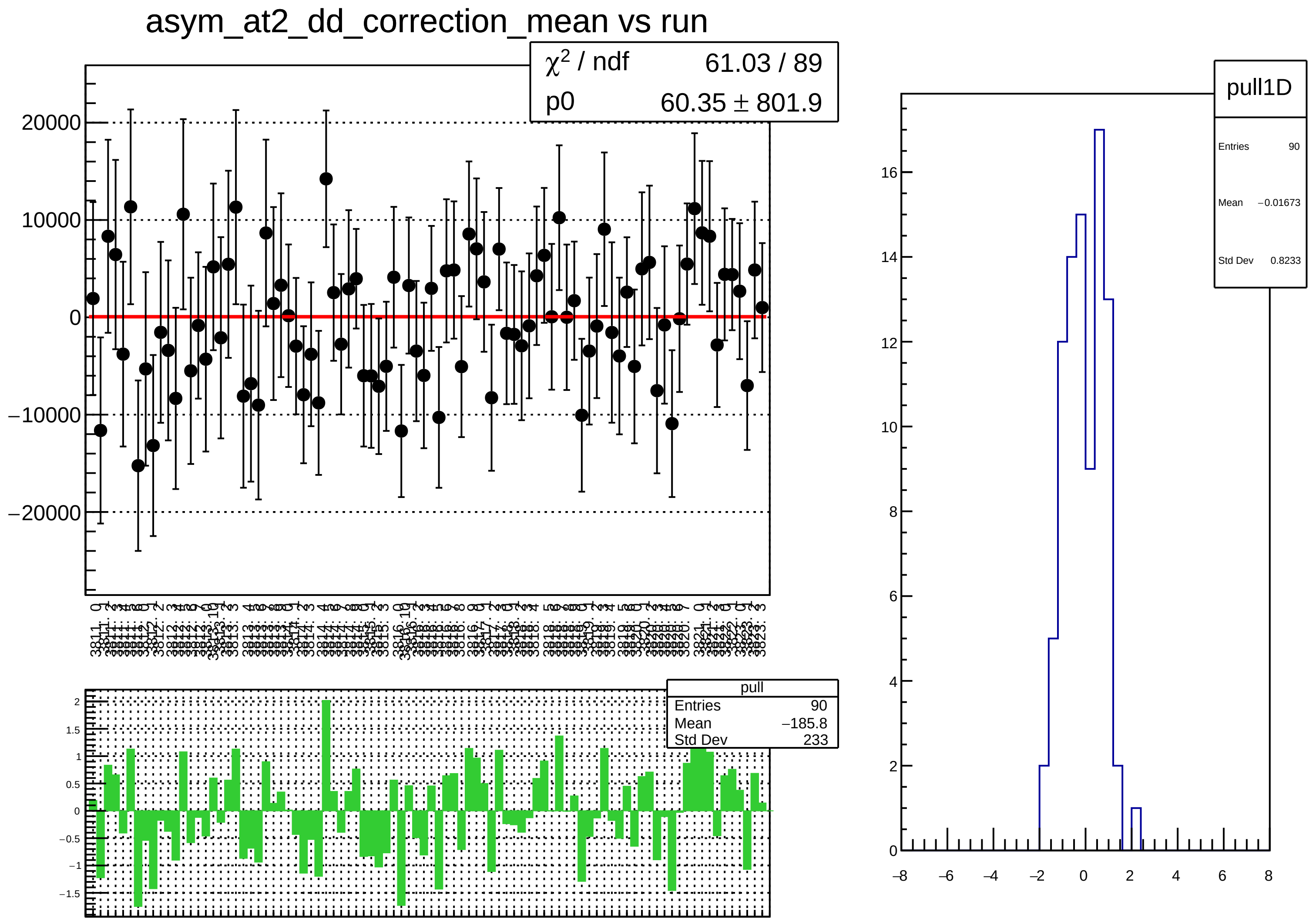


asym_at2_avg_rms vs run
χ^2 / ndf 3.107e+04 / 89
p0 1987 ± 1.53
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

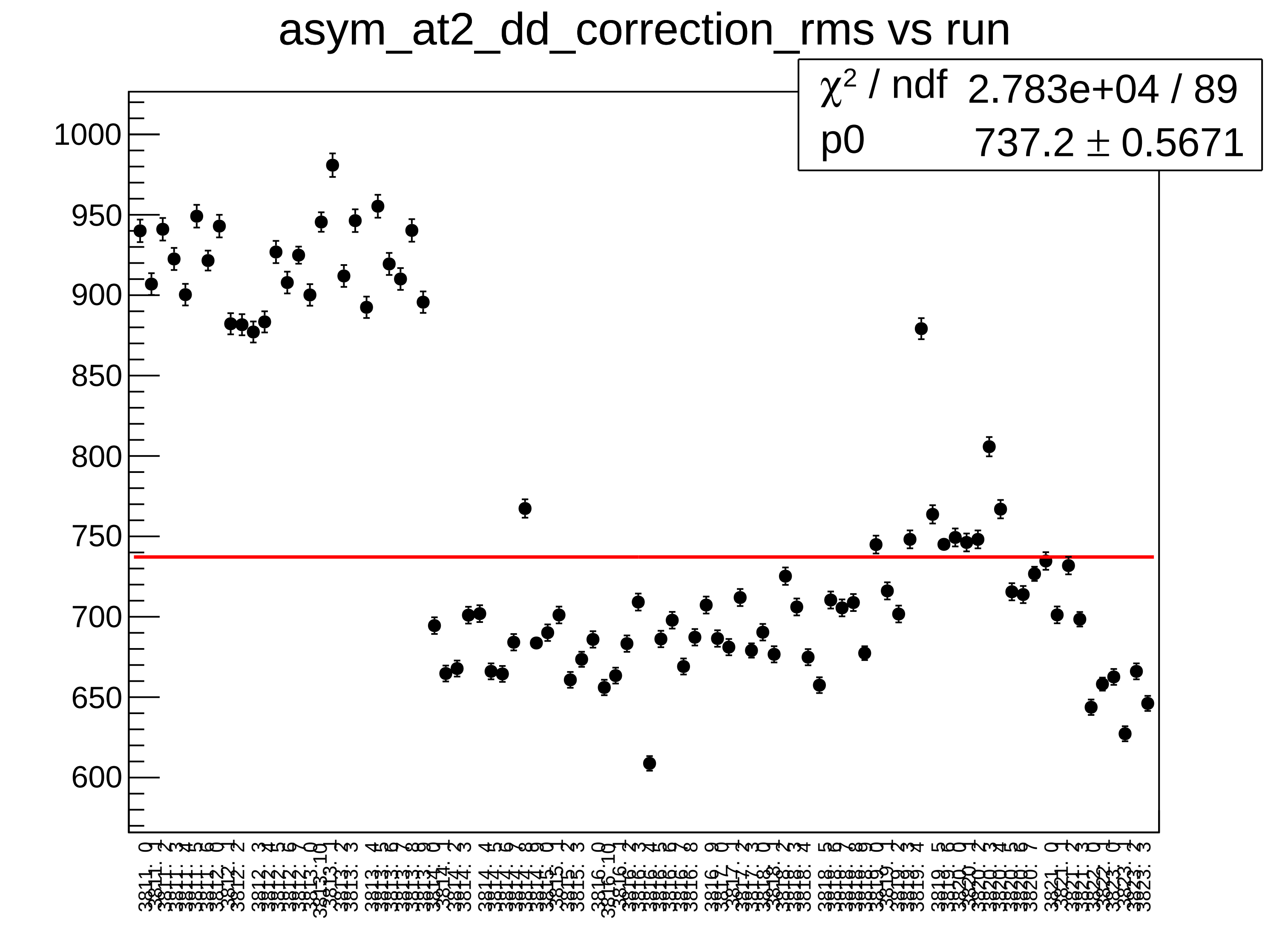


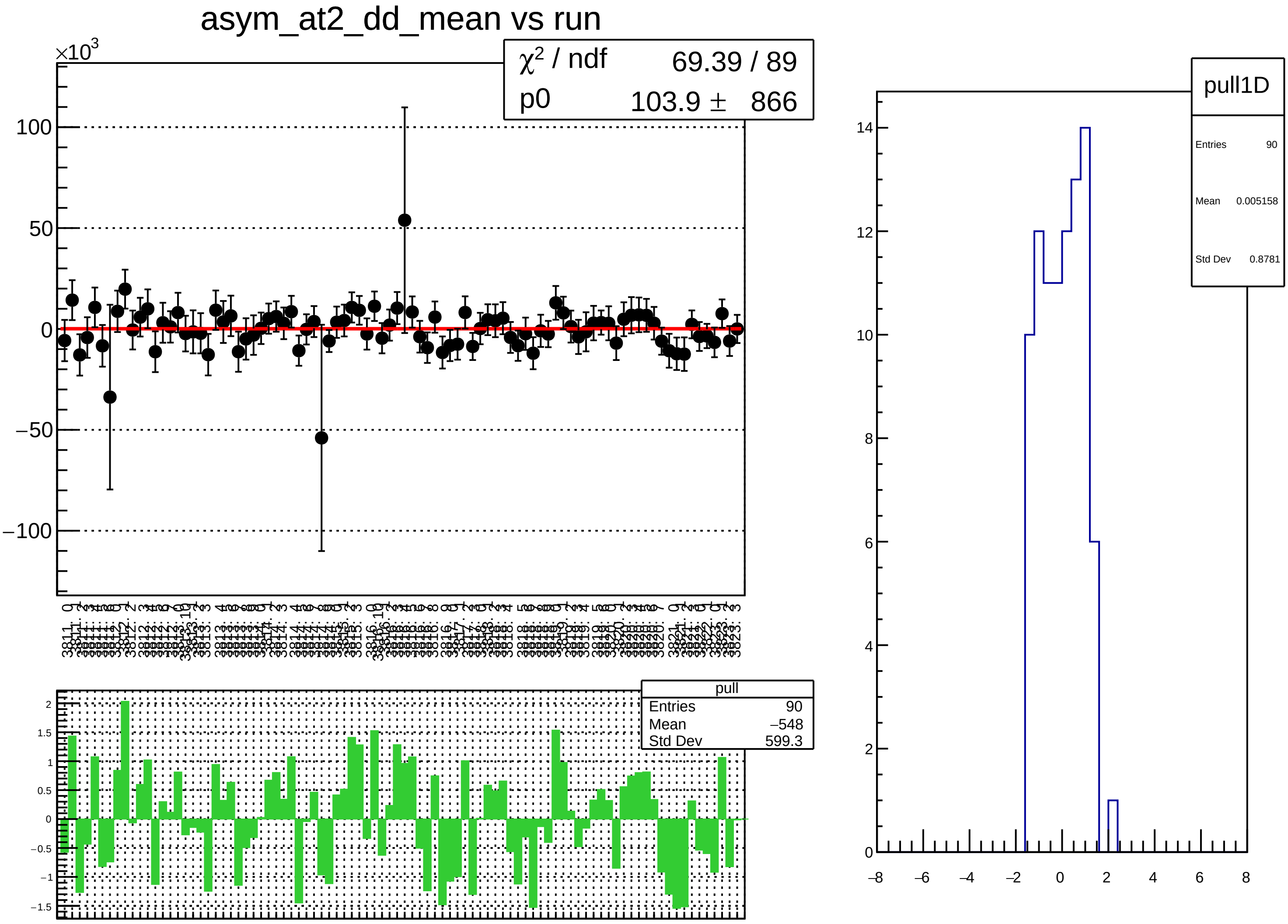
reg_asym_at2_dd_mean vs run
$\times 10^3$
χ^2 / ndf 113.5 / 89
p0 251.7 ± 280.7
100
50
0
−50
−100
pull
Entries 90
Mean 115.3
Std Dev 79.51
pull1D
Entries 90
Mean −0.01707
Std Dev 1.123

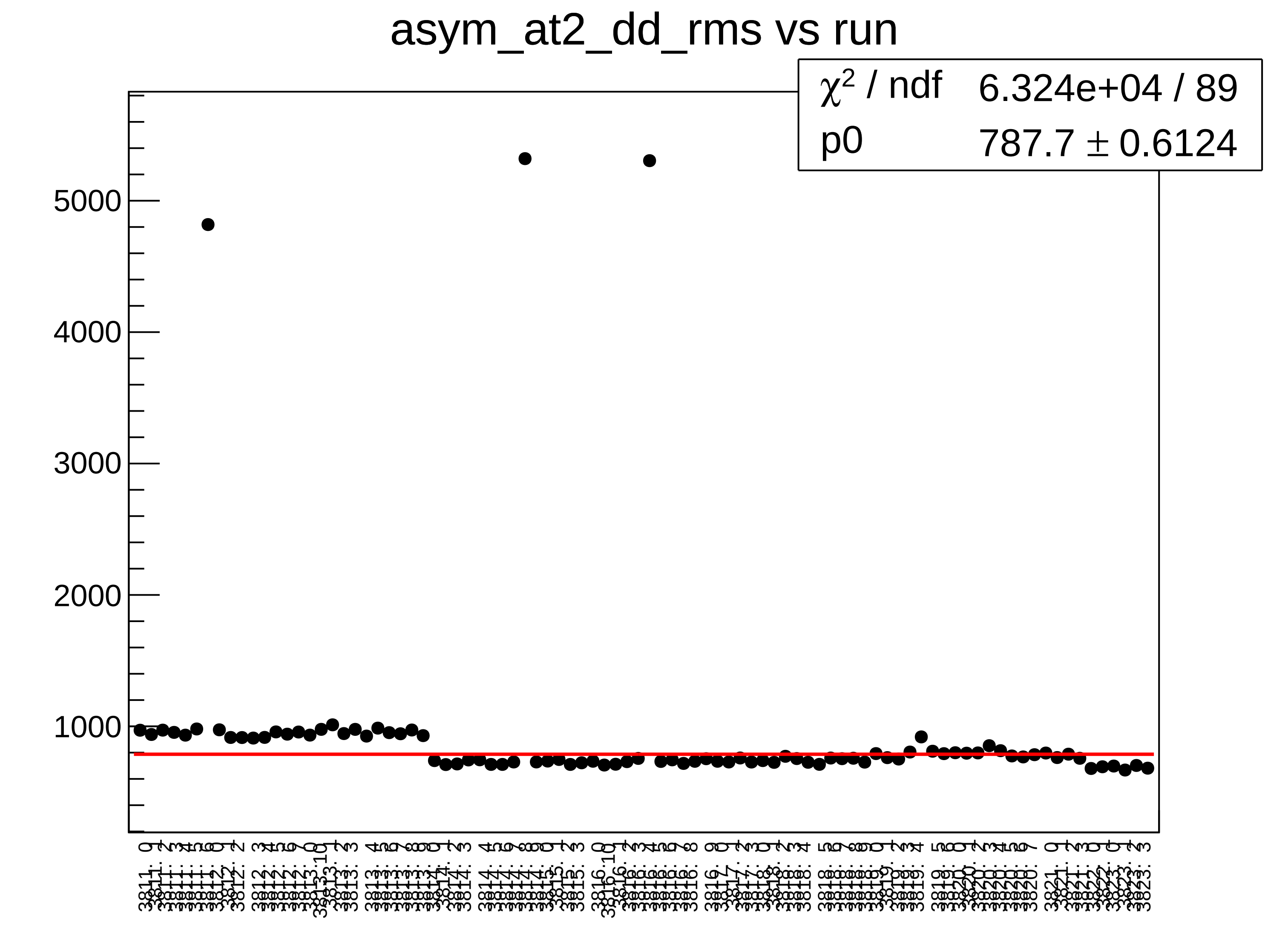

reg_asym_at2_dd_rms vs run
χ2 / ndf 6.087e+04 / 89
p0 255.5 ± 0.1985
5000
4000
3000
2000
1000



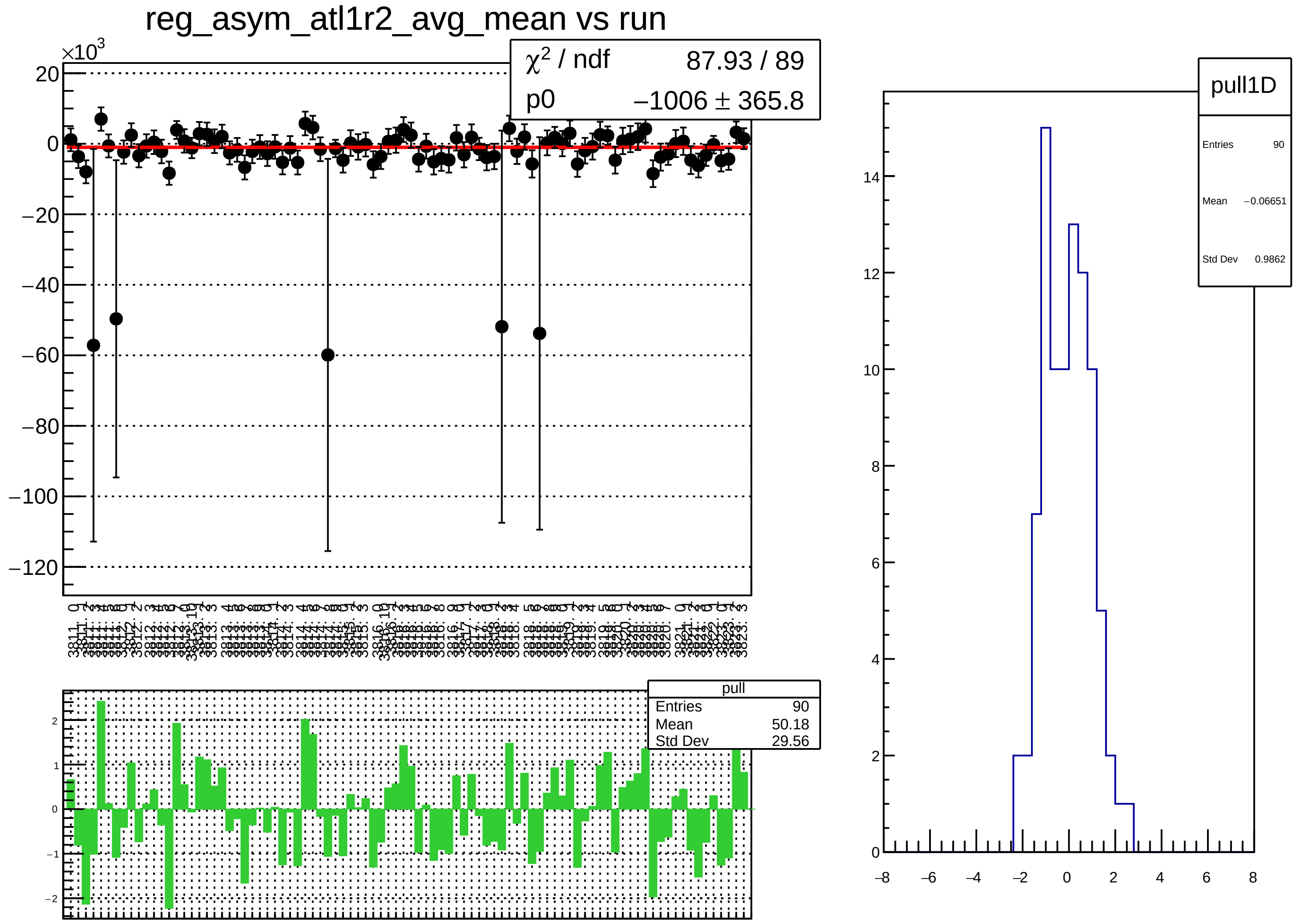
asym_at2_dd_correction_mean vs run
χ^2 / ndf 61.03 / 89
p0 60.35 ± 801.9
pull
Entries 90
Mean −185.8
Std Dev 233
pull1D
Entries 90
Mean −0.01673
Std Dev 0.8233


asym_at2_dd_correction_rms vs run
χ^2 / ndf 2.783e+04 / 89
p0 737.2 ± 0.5671
1000
950
900
850
800
750
700
650
600

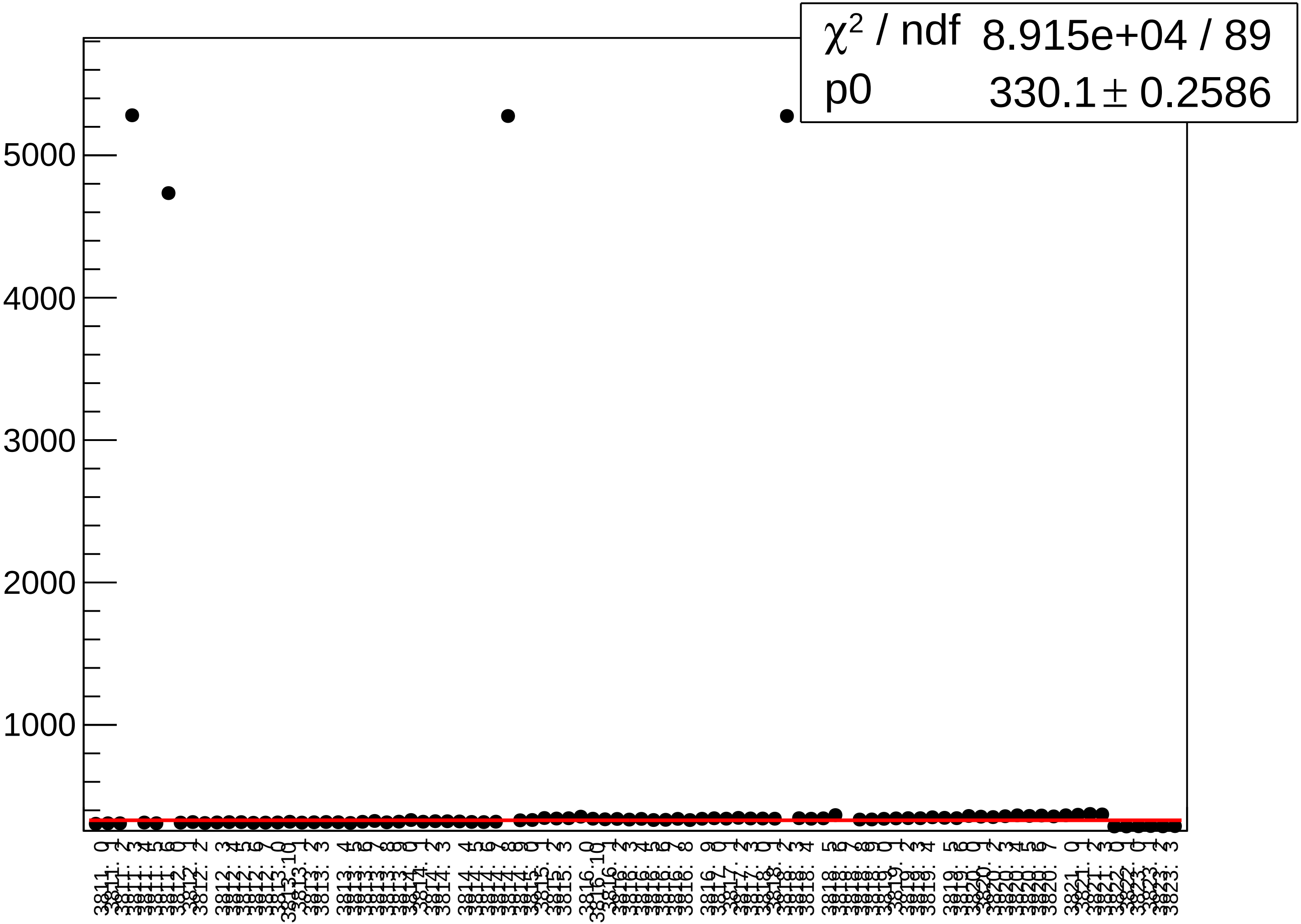

asym_at2_dd_mean vs run
χ2 / ndf 69.39 / 89
p0 103.9 ± 866
pull
Entries 90
Mean −548
Std Dev 599.3
pull1D
Entries 90
Mean 0.005158
Std Dev 0.8781

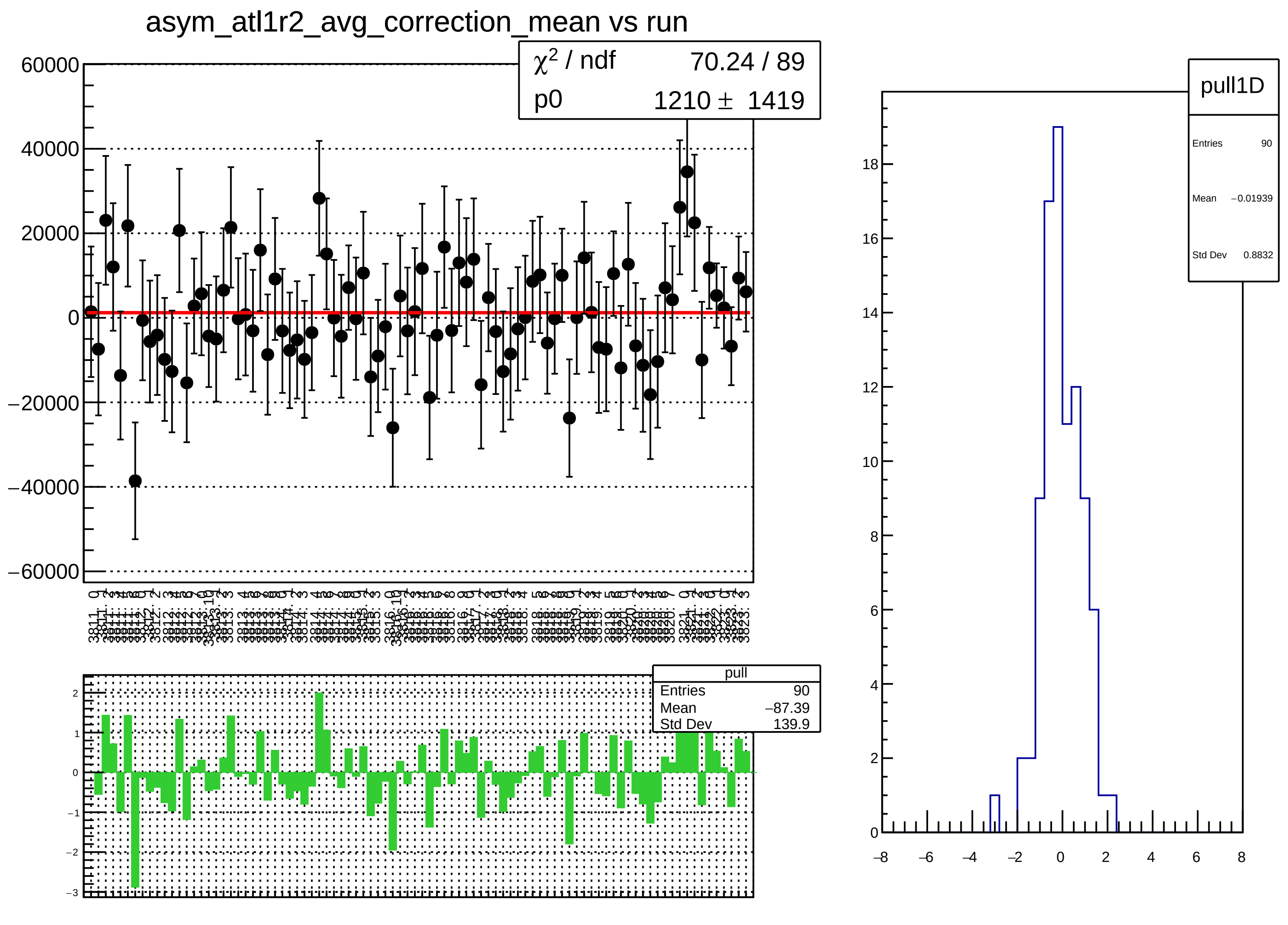


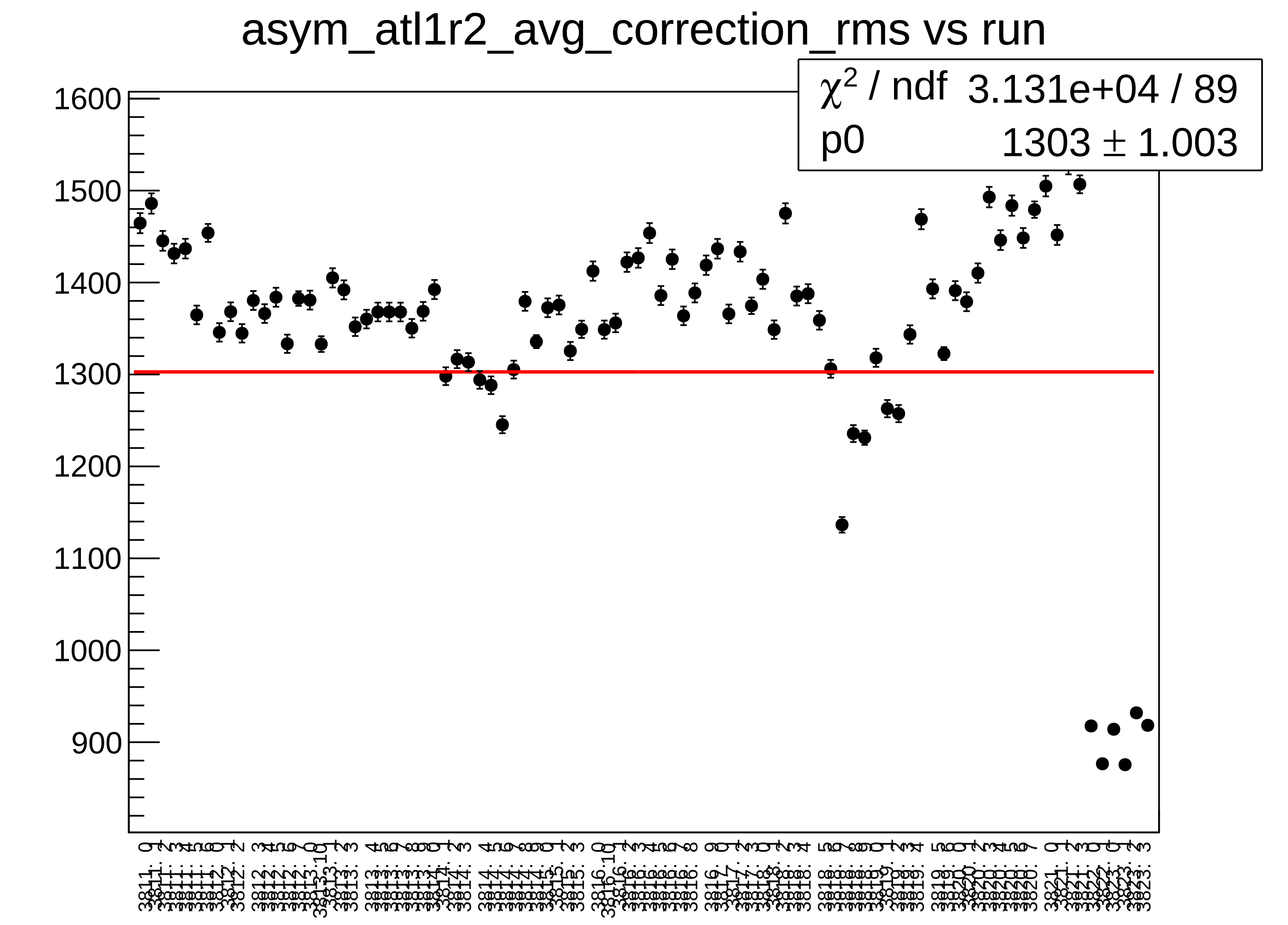
asym_at2_dd_rms vs run
χ^2 / ndf 6.324e+04 / 89
p0 787.7 ± 0.6124
5000
4000
3000
2000
1000


reg_asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 87.93 / 89
p0 −1006 ± 365.8
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 90
Mean 50.18
Std Dev 29.56
2
1
0
−1
−2
pull1D
Entries 90
Mean −0.06651
Std Dev 0.9862
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

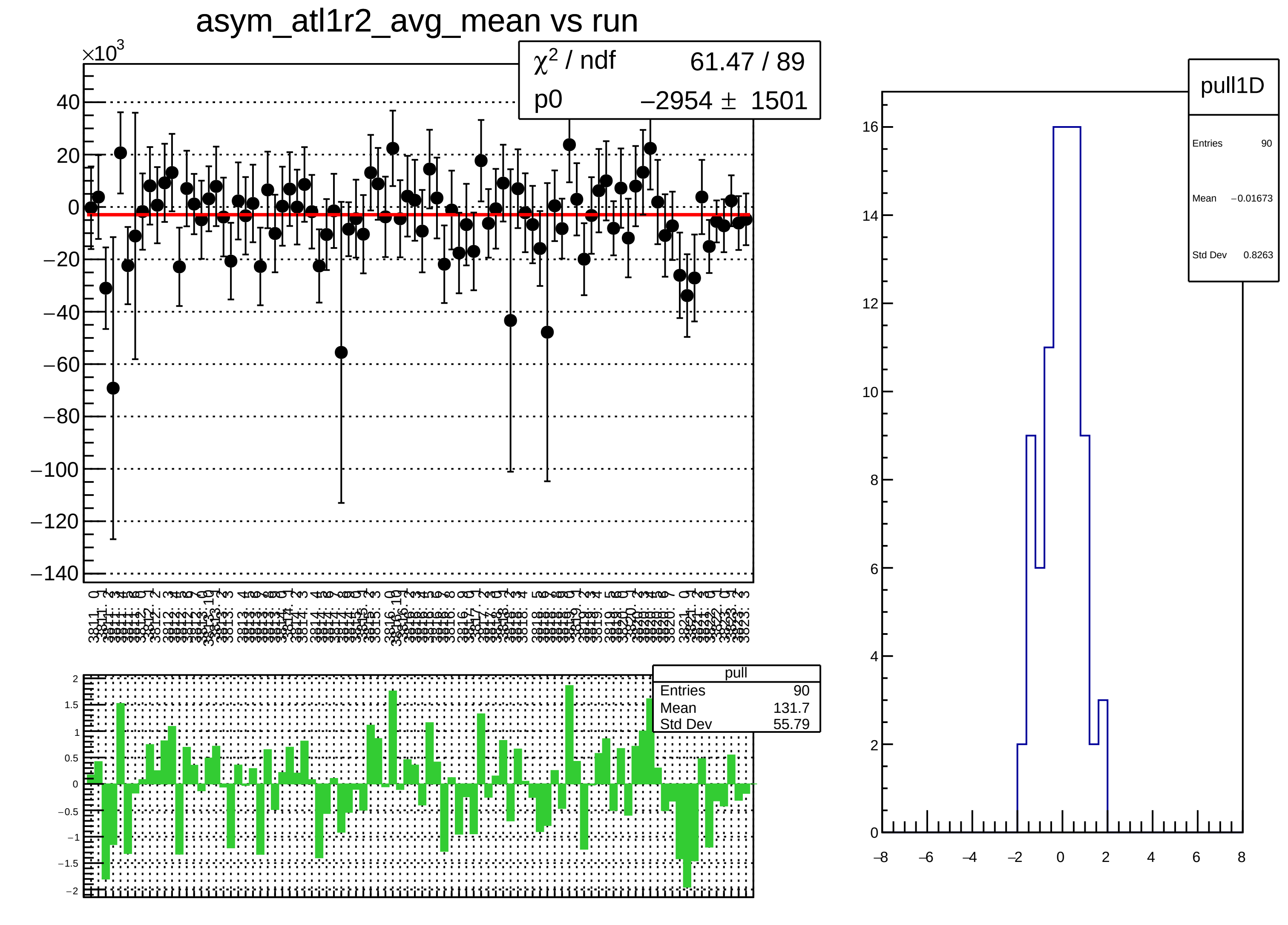
reg_asym_atl1r2_avg_rms vs run



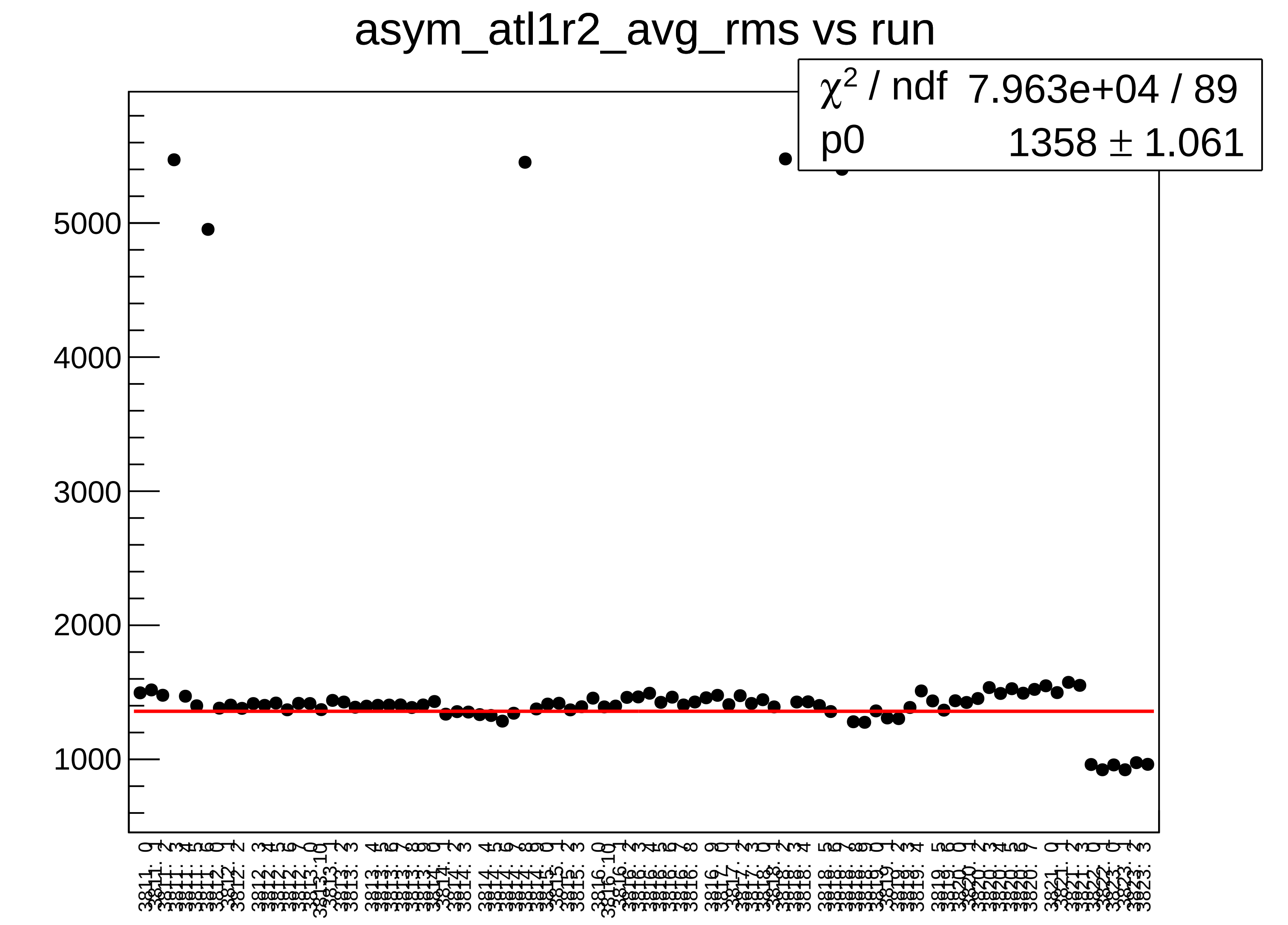

asym_atl1r2_avg_correction_mean vs run
χ2 / ndf 70.24 / 89
p0 1210 ± 1419
pull
Entries 90
Mean −87.39
Std Dev 139.9
pull1D
Entries 90
Mean −0.01939
Std Dev 0.8832



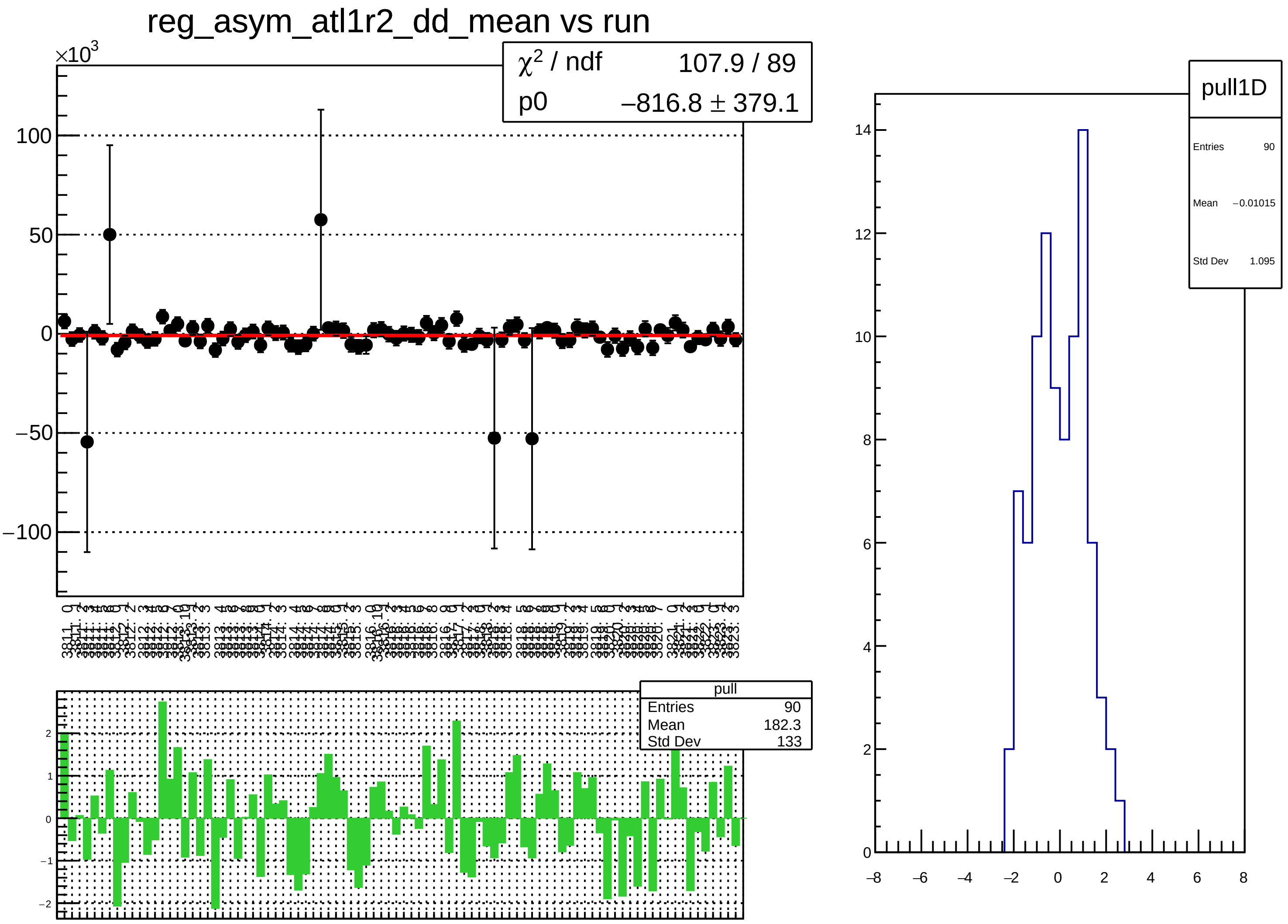
asym_atl1r2_avg_correction_rms vs run
χ^2 / ndf 3.131e+04 / 89
p0 1303 ± 1.003
1600
1500
1400
1300
1200
1100
1000
900



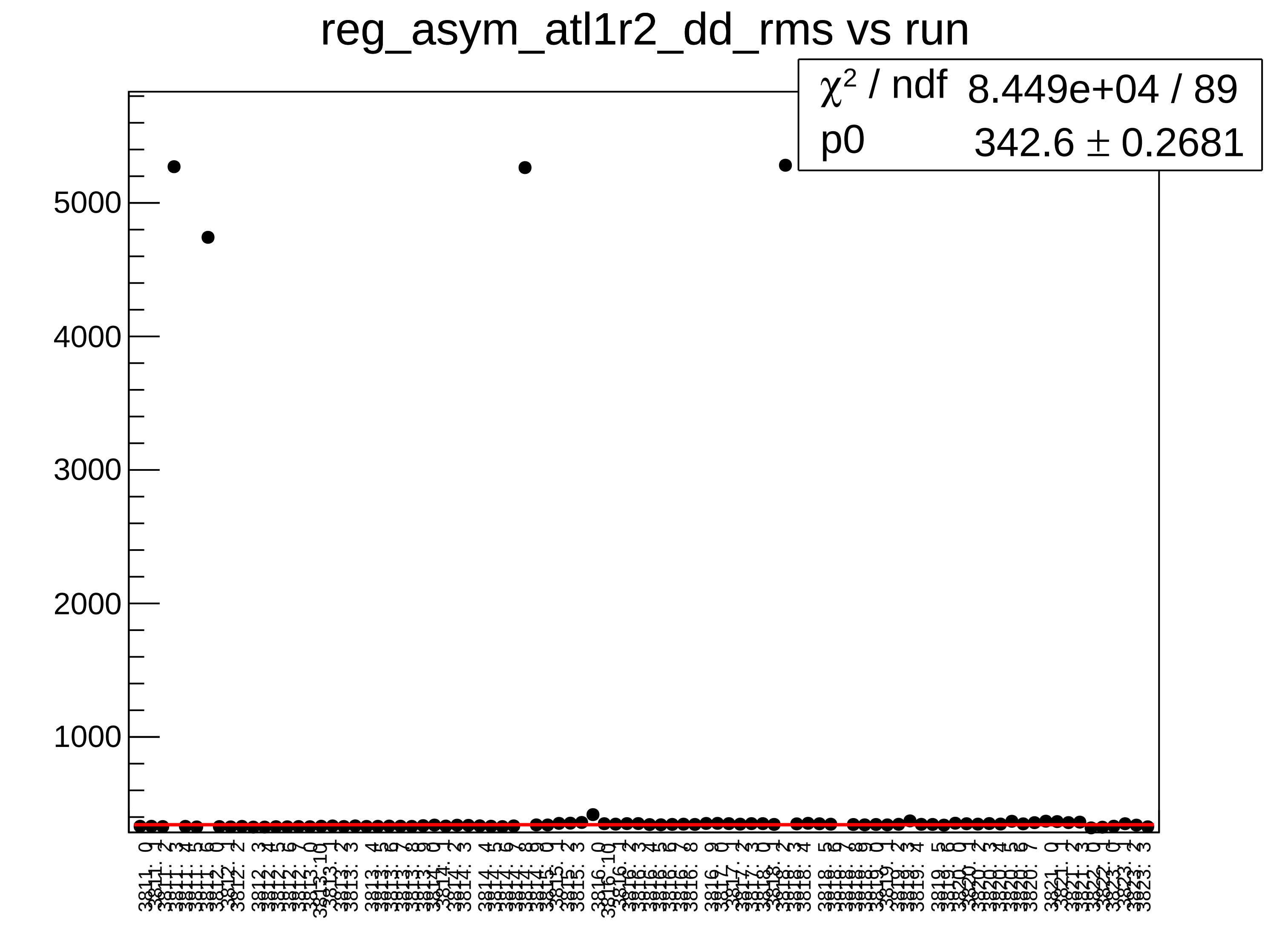
asym_atl1r2_avg_mean vs run
×10^3
χ2 / ndf 61.47 / 89
p0 −2954 ± 1501
pull
Entries 90
Mean 131.7
Std Dev 55.79
pull1D
Entries 90
Mean −0.01673
Std Dev 0.8263

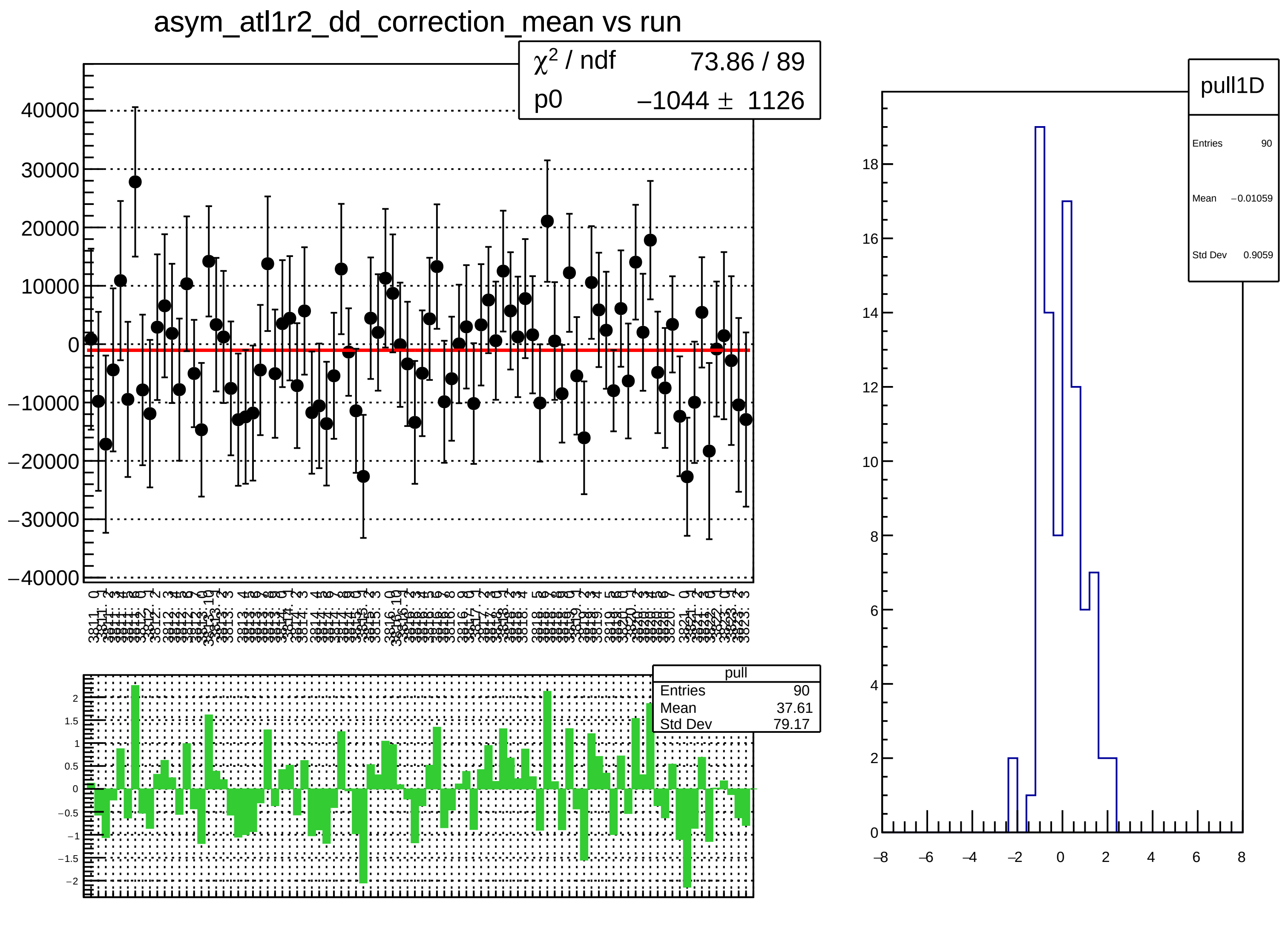


asym_atl1r2_avg_rms vs run
χ2 / ndf 7.963e+04 / 89
p0 1358 ± 1.061
5000
4000
3000
2000
1000

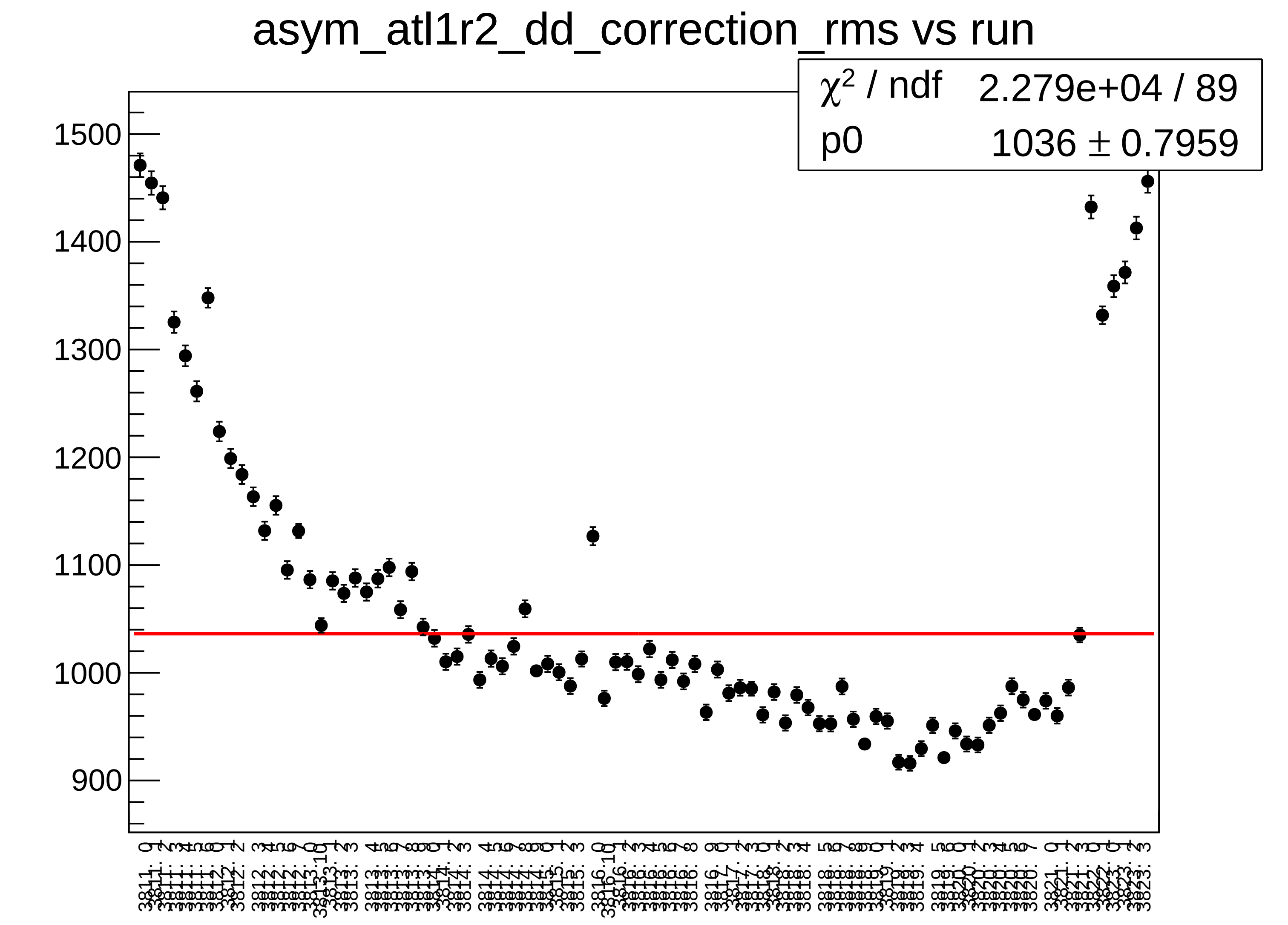


reg_asym_atl1r2_dd_mean vs run
χ2 / ndf 107.9 / 89
p0 −816.8 ± 379.1
×10^3
pull
Entries 90
Mean 182.3
Std Dev 133
pull1D
Entries 90
Mean −0.01015
Std Dev 1.095

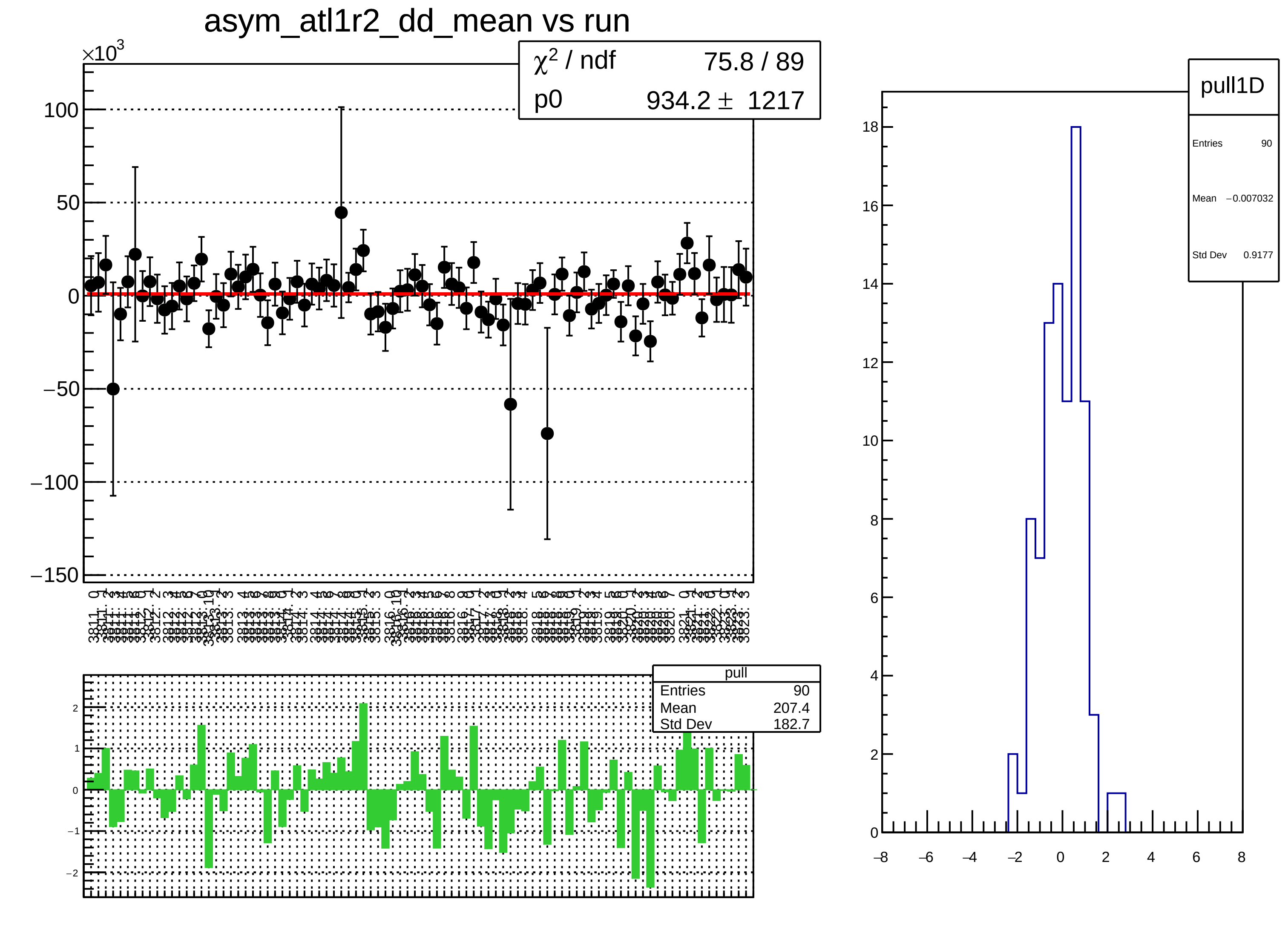

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 8.449e+04 / 89
p0 342.6 ± 0.2681
5000
4000
3000
2000
1000

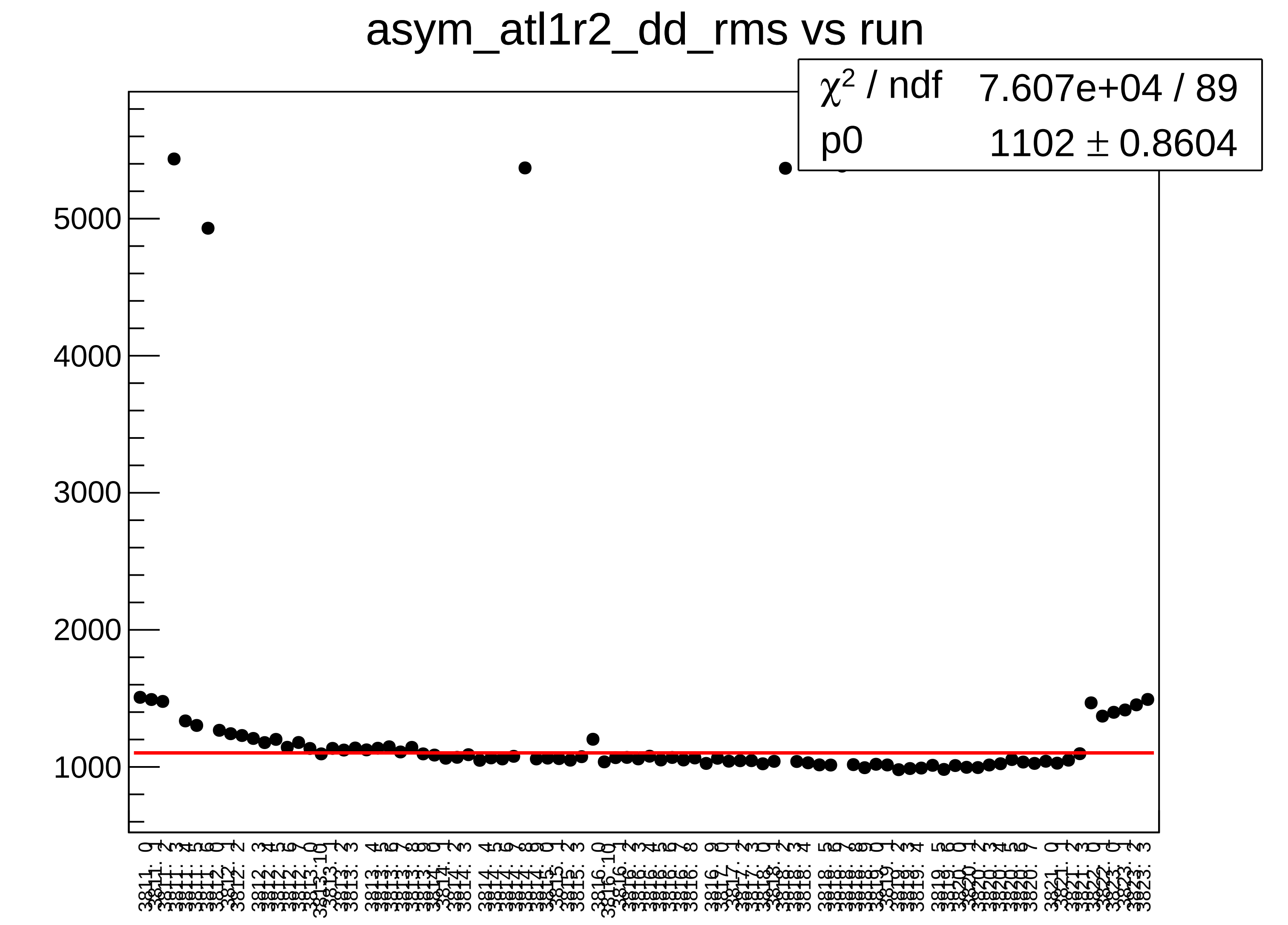


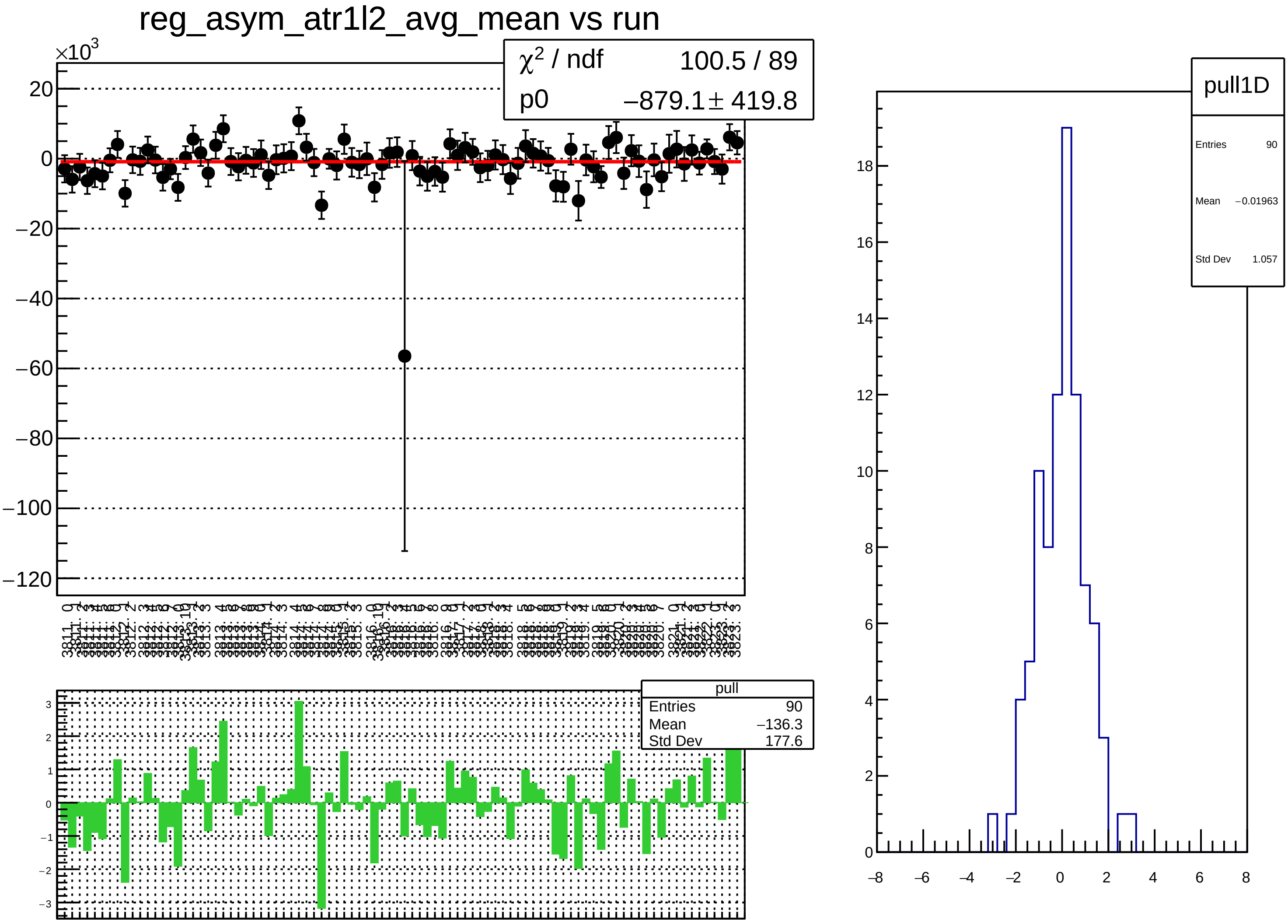
asym_atl1r2_dd_correction_mean vs run
χ^2 / ndf 73.86 / 89
p0 −1044 ± 1126
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 90
Mean 37.61
Std Dev 79.17
pull1D
Entries 90
Mean −0.01059
Std Dev 0.9059



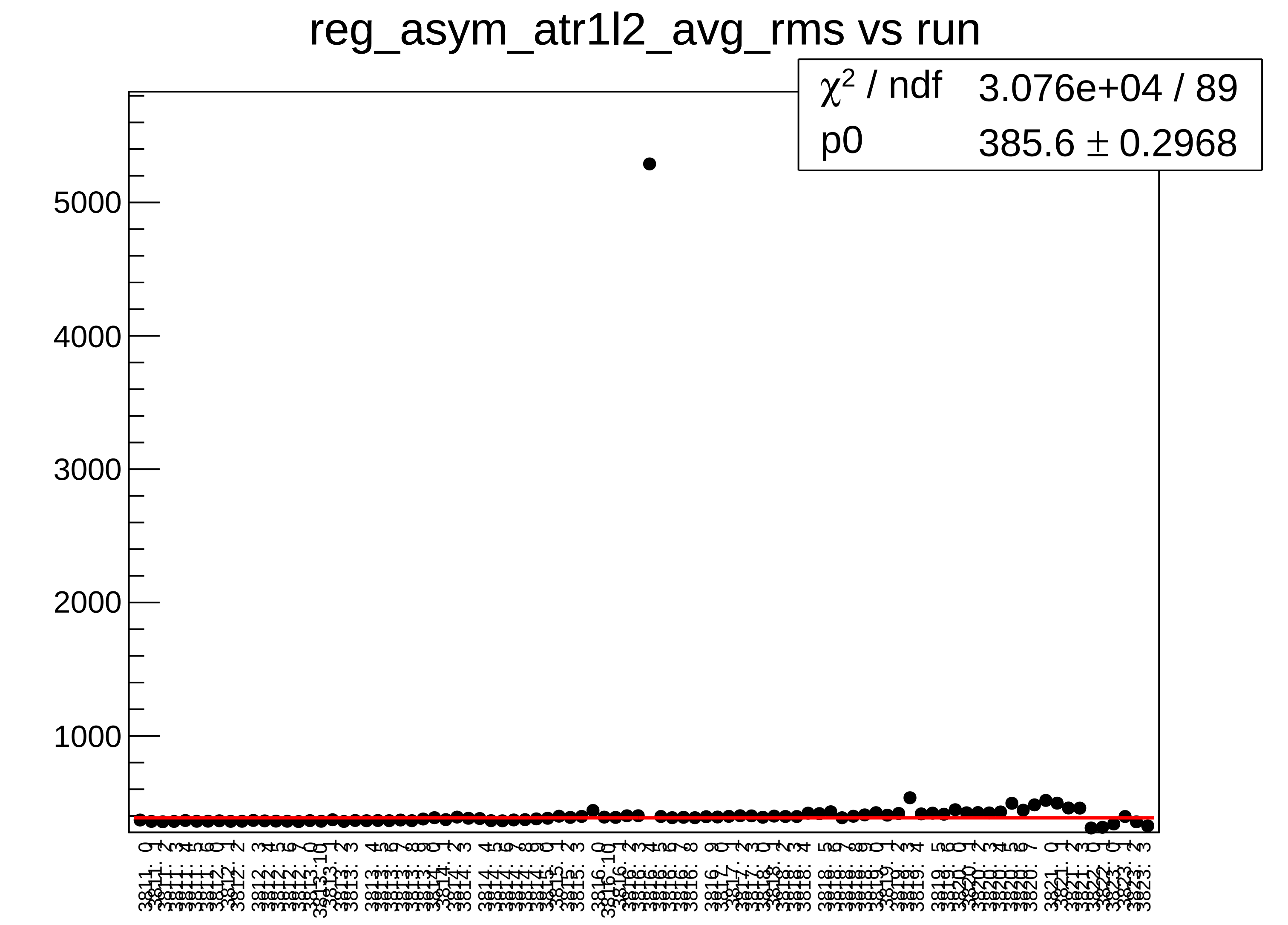
asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 2.279e+04 / 89
p0 1036 ± 0.7959
1500
1400
1300
1200
1100
1000
900

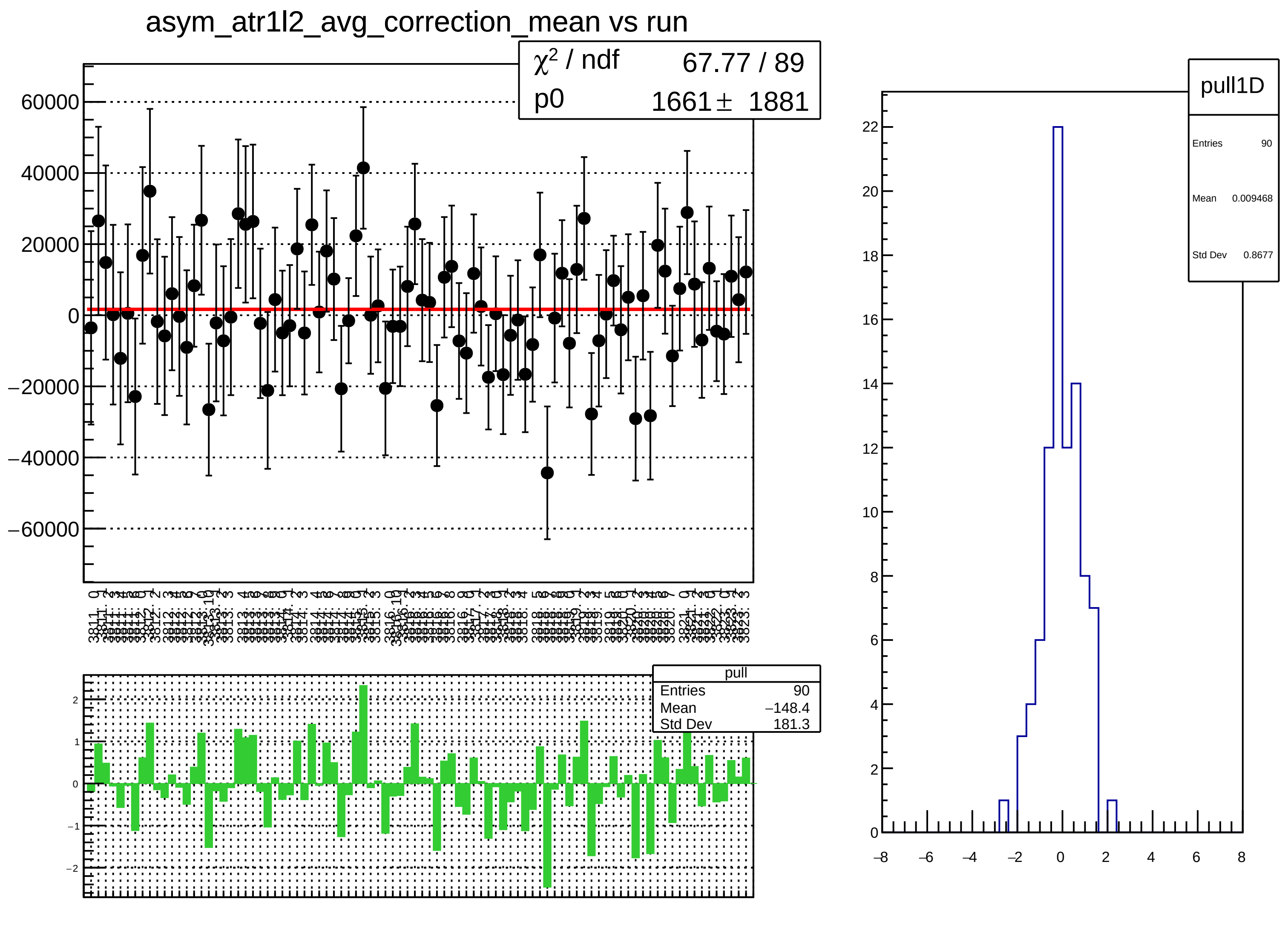

asym_atl1r2_dd_mean vs run
$\times10^3$
χ^2 / ndf 75.8 / 89
p0 934.2 ± 1217
pull
Entries 90
Mean 207.4
Std Dev 182.7
pull1D
Entries 90
Mean −0.007032
Std Dev 0.9177


asym_atl1r2_dd_rms vs run
χ2 / ndf 7.607e+04 / 89
p0 1102 ± 0.8604
5000
4000
3000
2000
1000

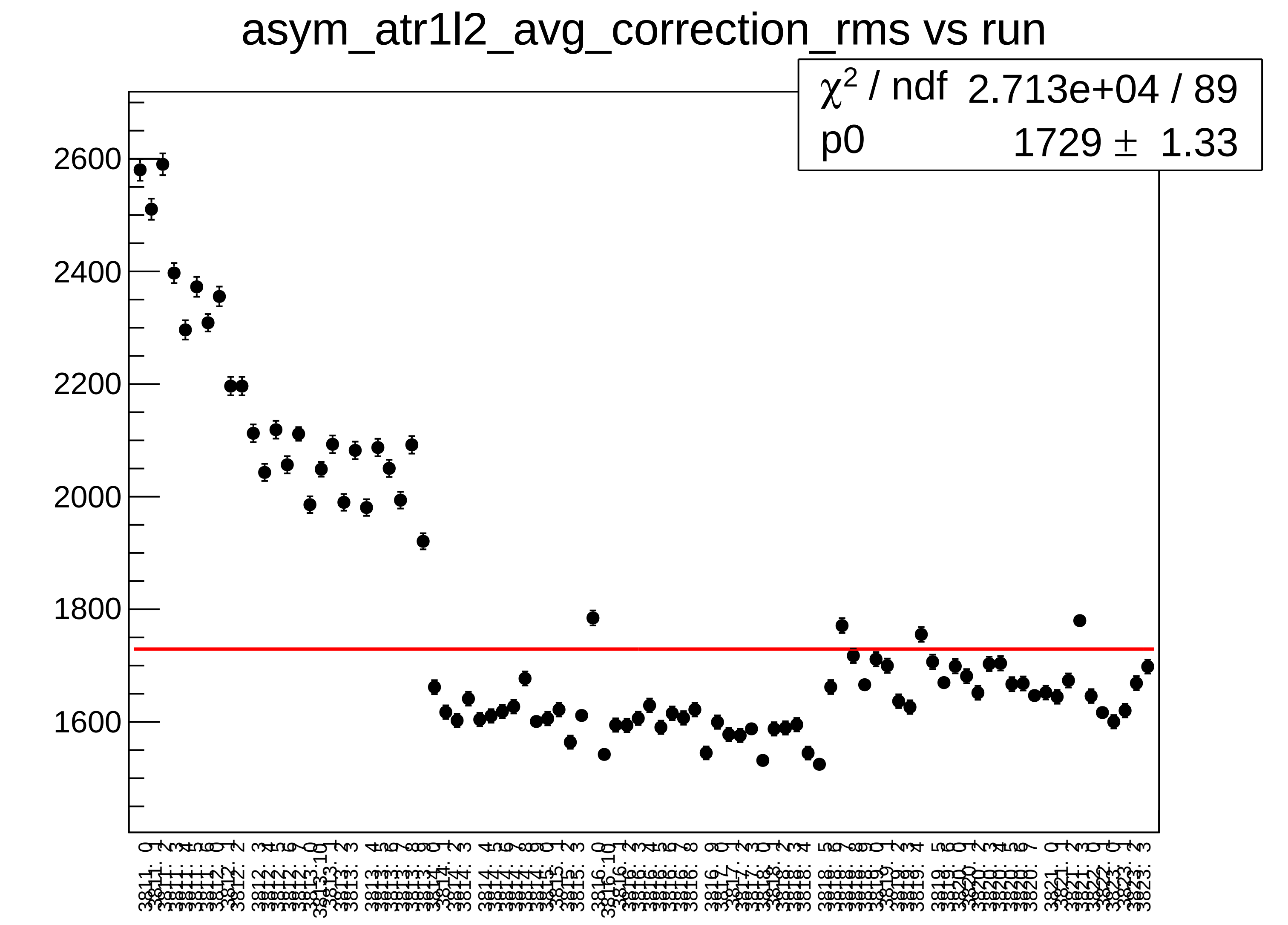


reg_asym_atr1l2_avg_mean vs run
$\times 10^3$
χ^2 / ndf 100.5 / 89
p0 −879.1 ± 419.8
pull
Entries 90
Mean −136.3
Std Dev 177.6
pull1D
Entries 90
Mean −0.01963
Std Dev 1.057

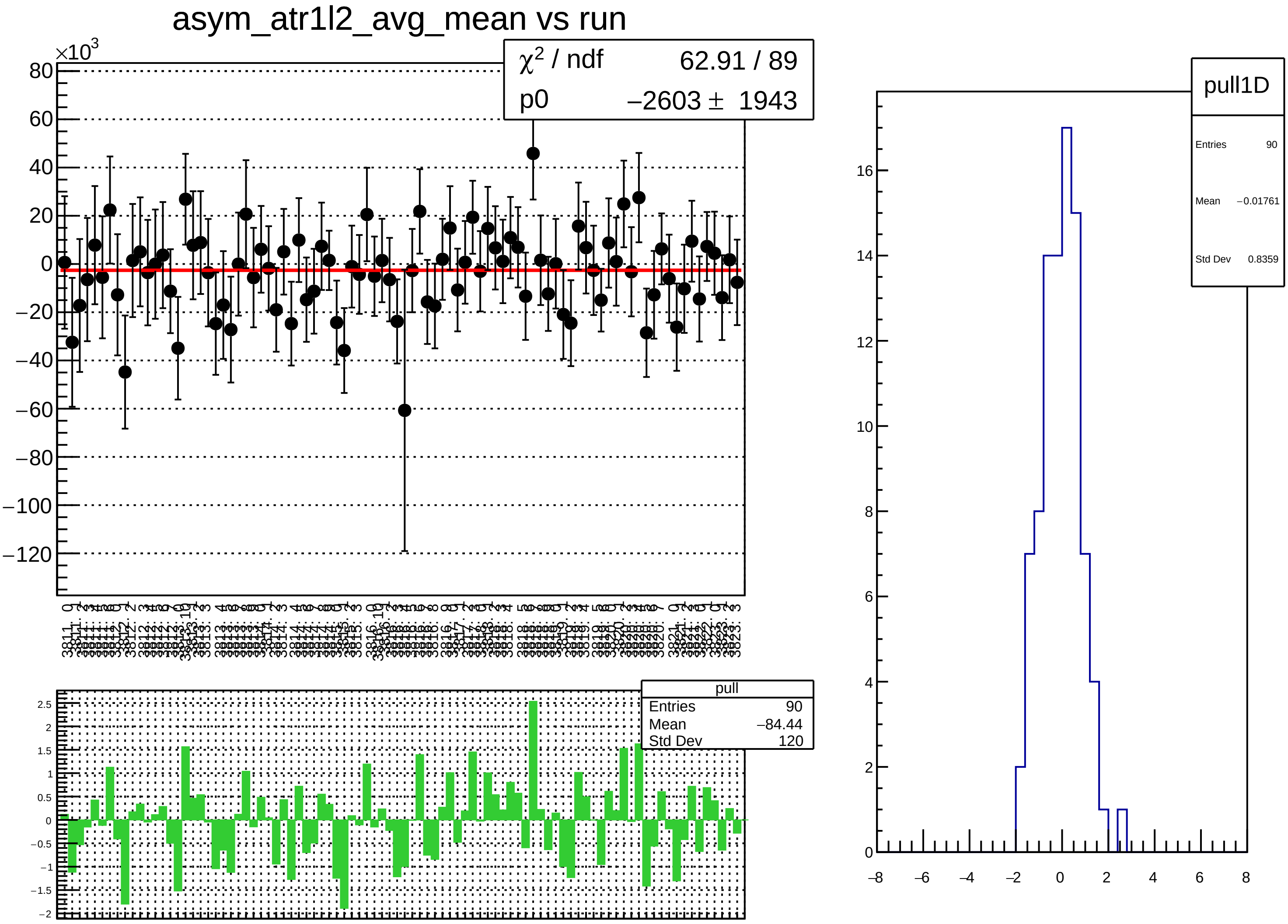

reg_asym_atr1l2_avg_rms vs run
χ2 / ndf 3.076e+04 / 89
p0 385.6 ± 0.2968
5000
4000
3000
2000
1000



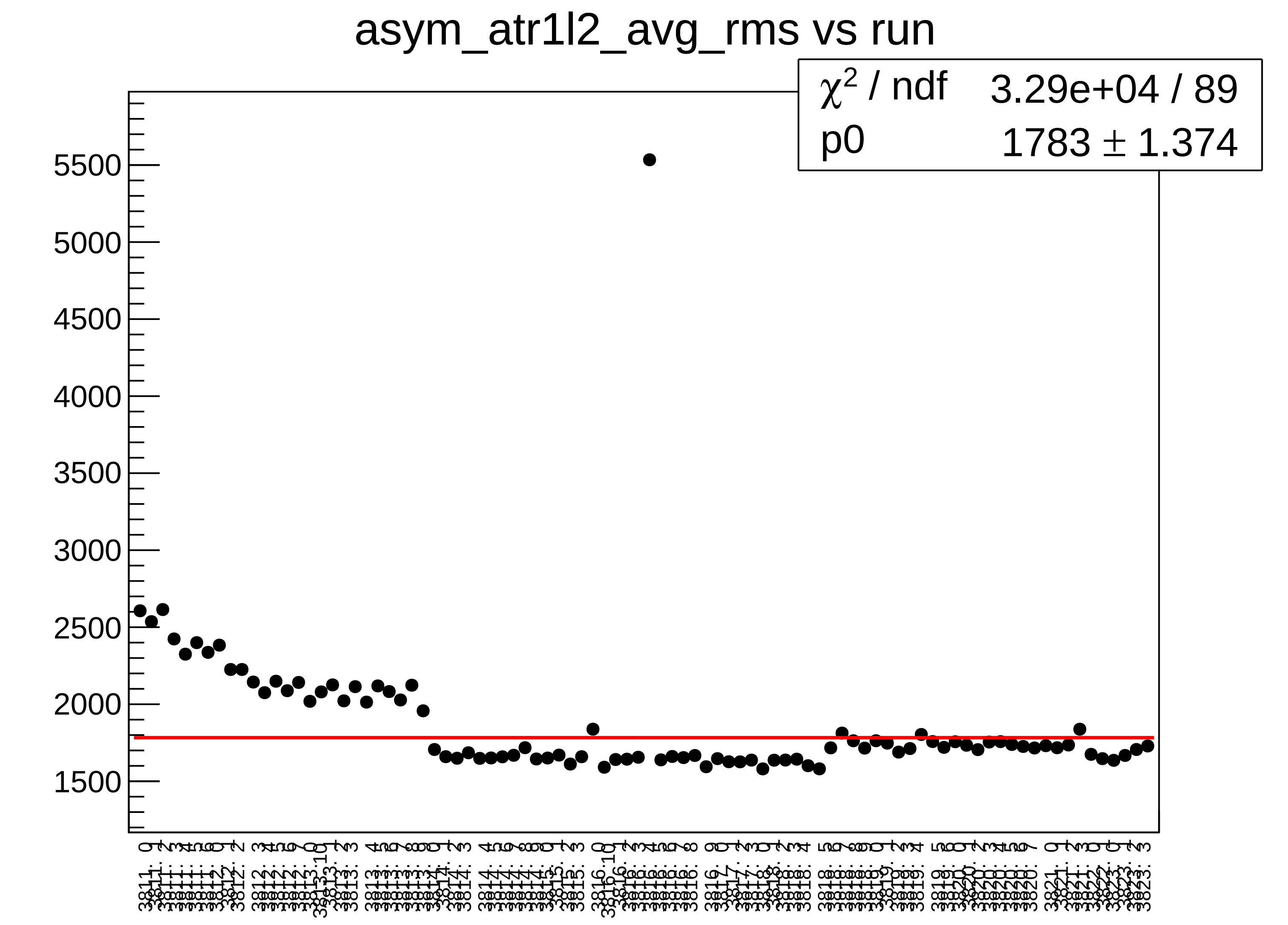
asym_atr1l2_avg_correction_mean vs run
χ^2 / ndf 67.77 / 89
p0 1661 ± 1881
pull
Entries 90
Mean −148.4
Std Dev 181.3
pull1D
Entries 90
Mean 0.009468
Std Dev 0.8677

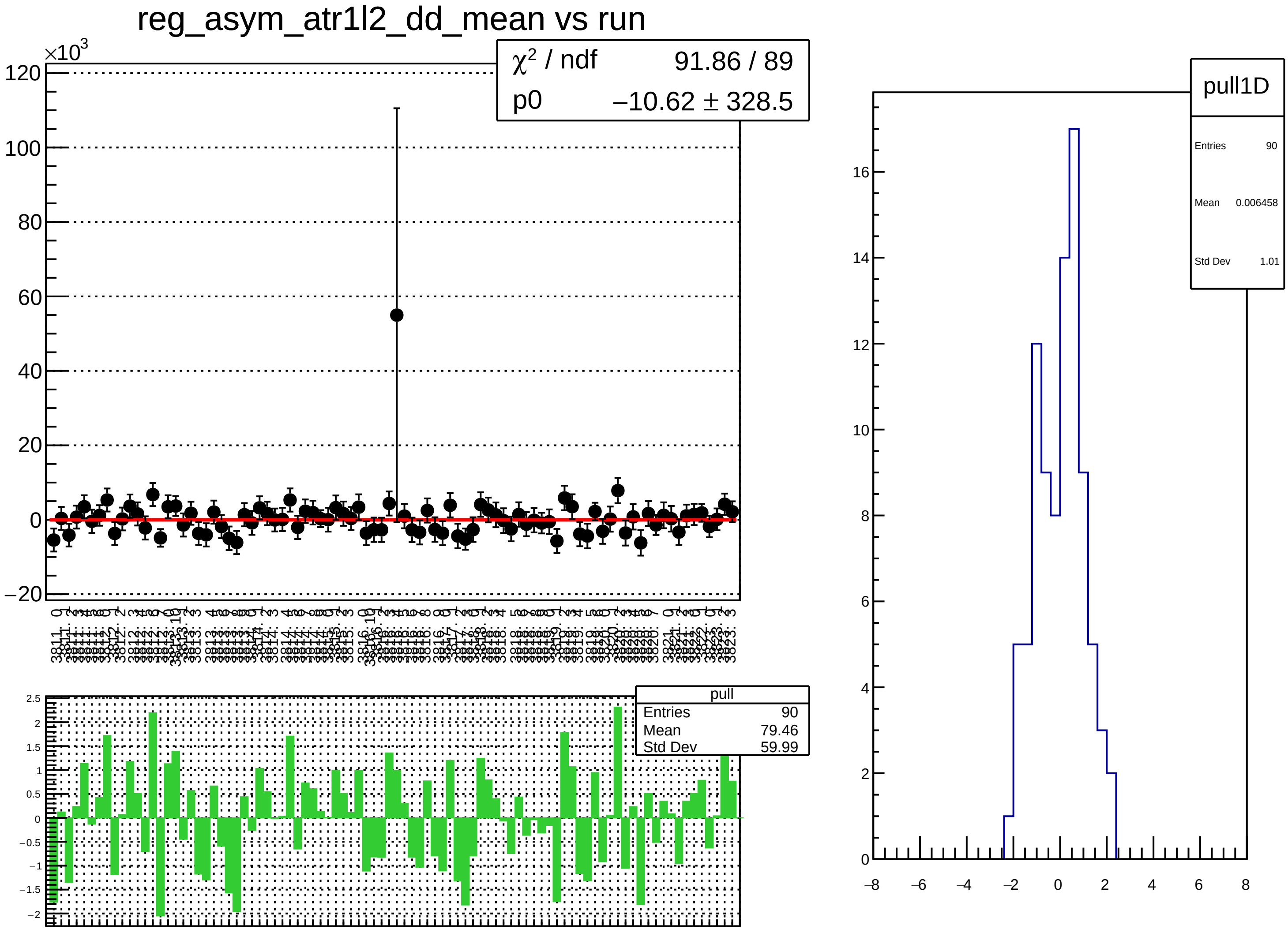


asym_atr1l2_avg_correction_rms vs run
χ2 / ndf 2.713e+04 / 89
p0 1729 ± 1.33
2600
2400
2200
2000
1800
1600

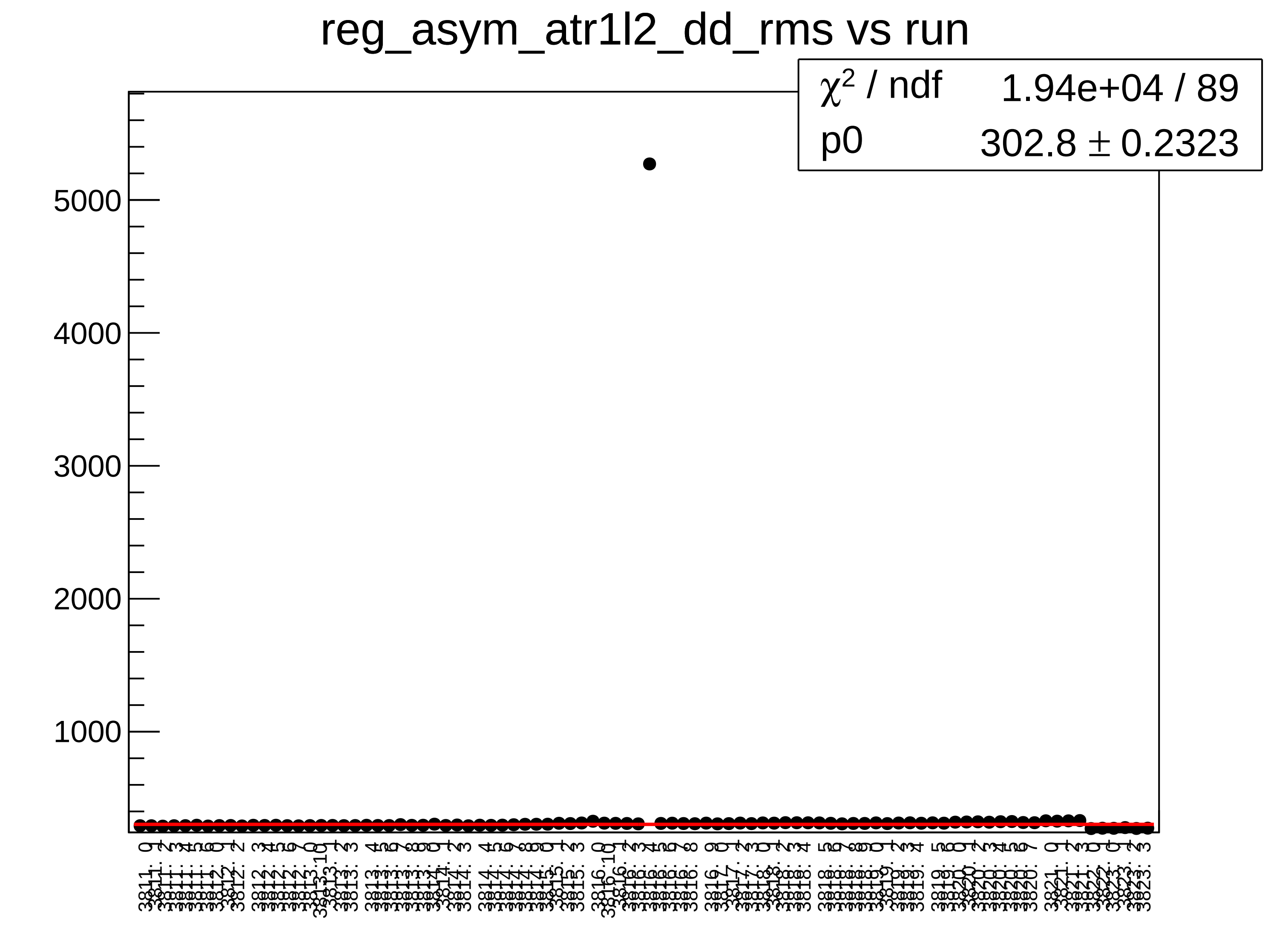


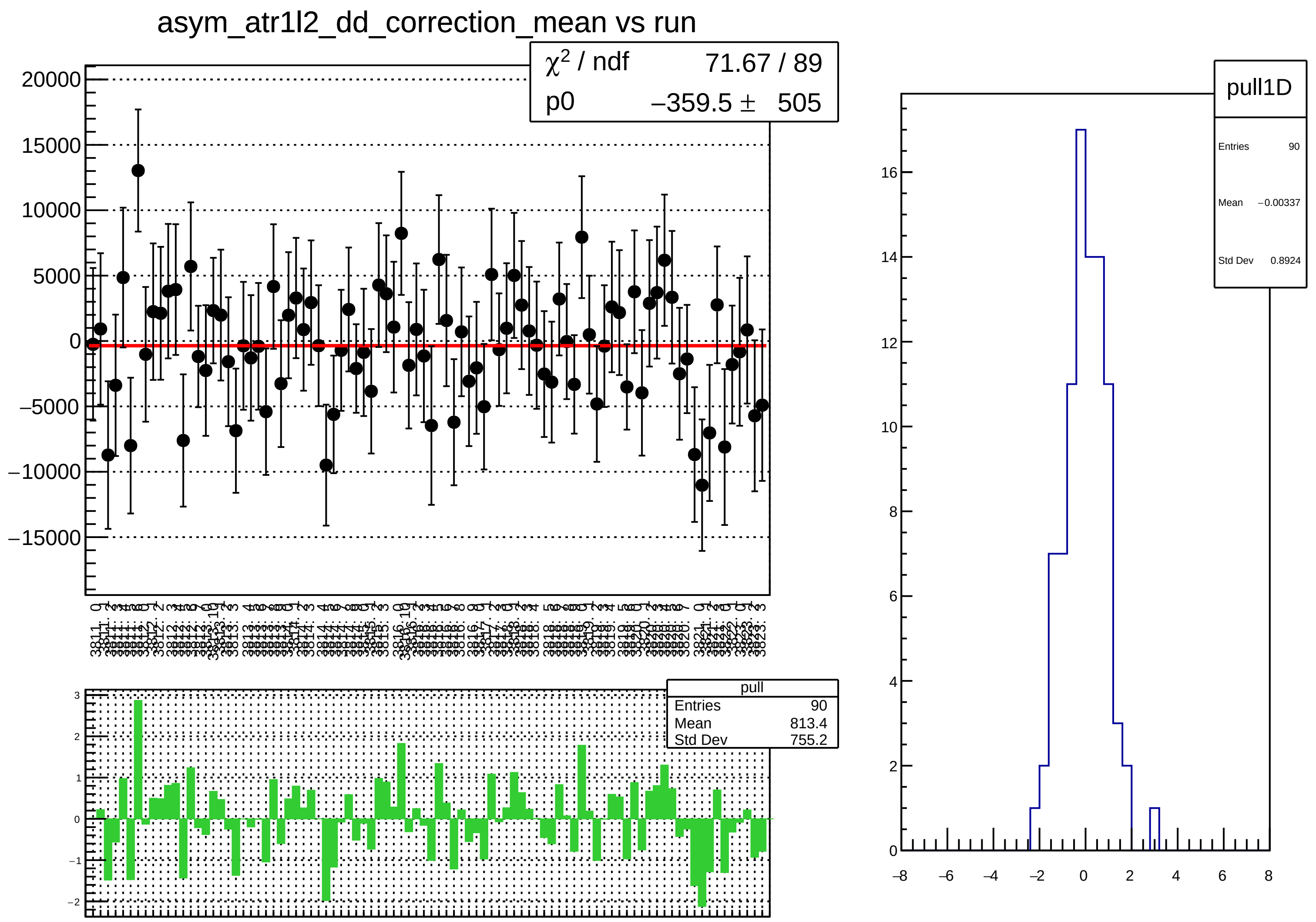
asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 62.91 / 89
p0 −2603 ± 1943
pull
Entries 90
Mean −84.44
Std Dev 120
pull1D
Entries 90
Mean −0.01761
Std Dev 0.8359

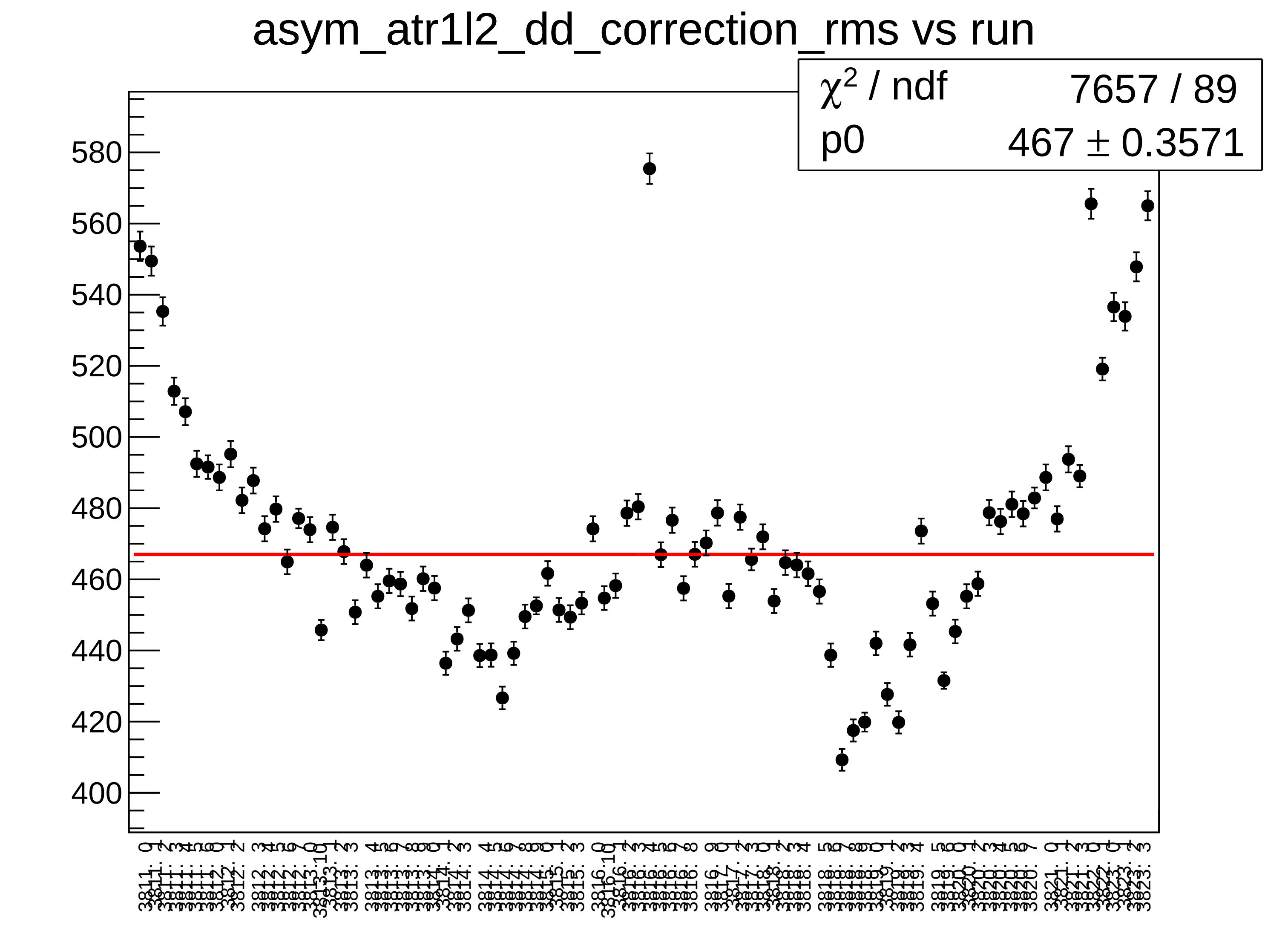

asym_atr1l2_avg_rms vs run
χ^2 / ndf 3.29e+04 / 89
p0 1783 ± 1.374
5500
5000
4500
4000
3500
3000
2500
2000
1500

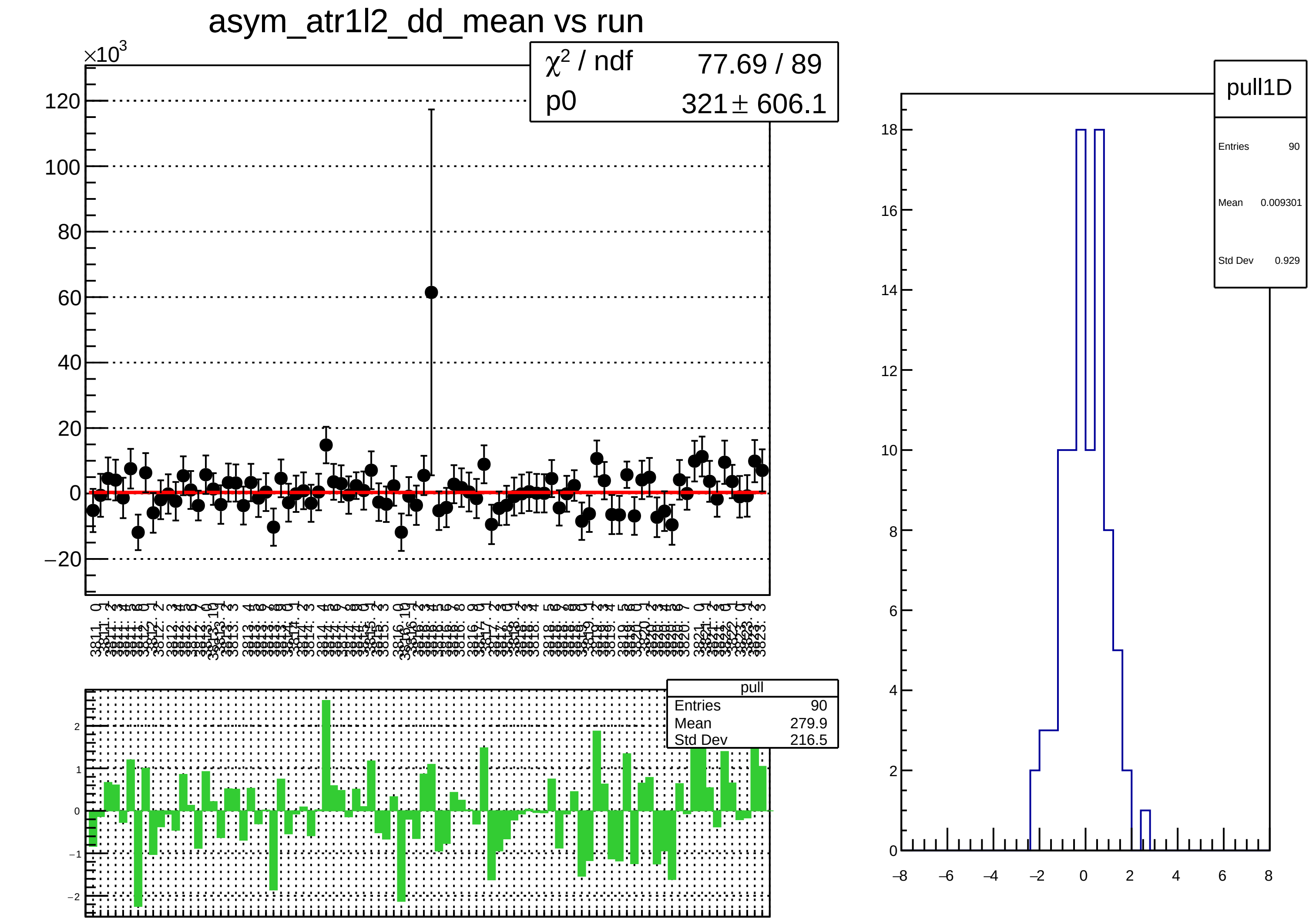


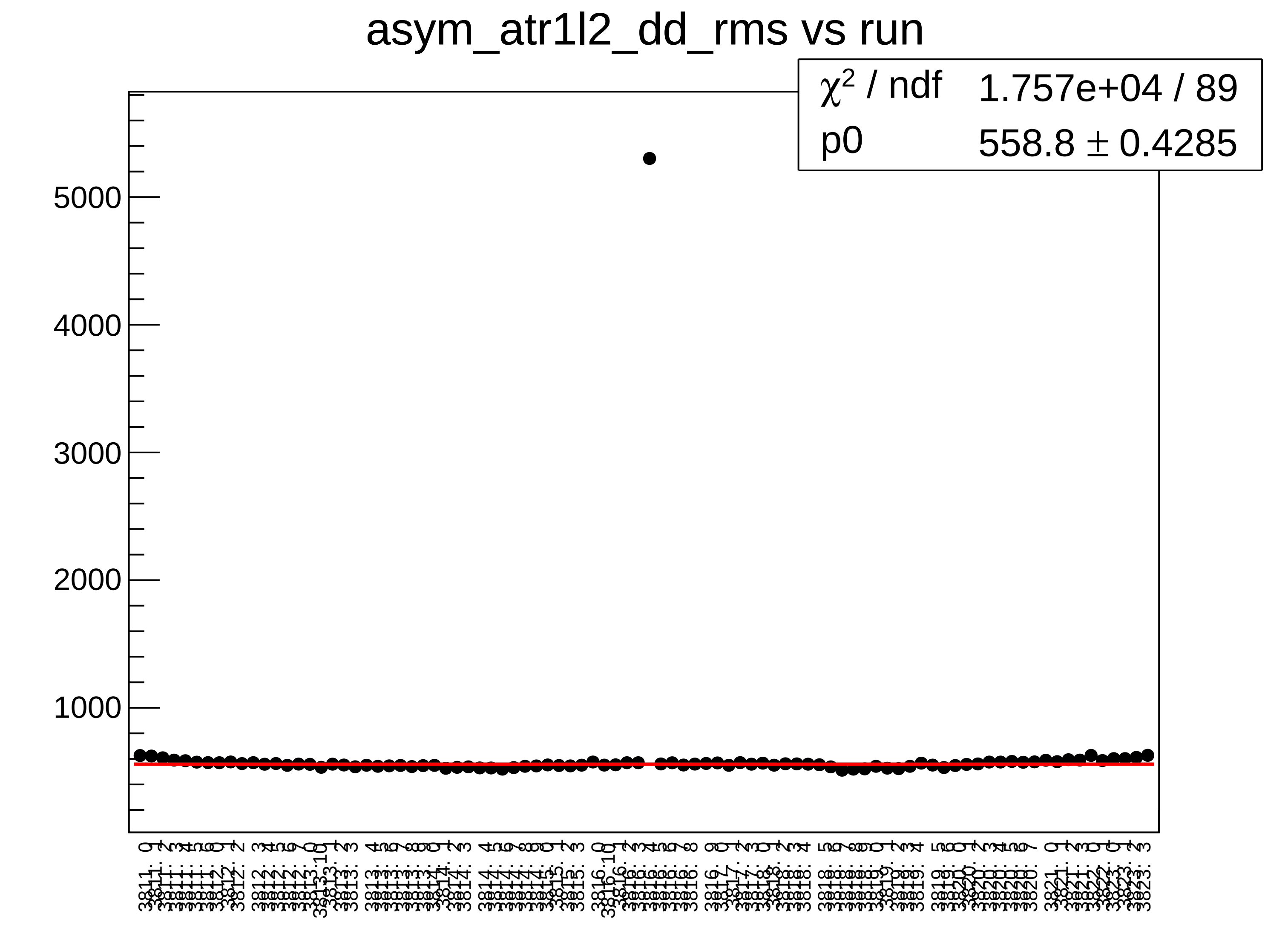
reg_asym_atr1l2_dd_mean vs run
χ2 / ndf 91.86 / 89
p0 −10.62 ± 328.5
×10^3
pull
Entries 90
Mean 79.46
Std Dev 59.99
pull1D
Entries 90
Mean 0.006458
Std Dev 1.01


reg_asym_atr1l2_dd_rms vs run
χ2 / ndf 1.94e+04 / 89
p0 302.8 ± 0.2323
5000
4000
3000
2000
1000


asym_atr1l2_dd_correction_mean vs run
χ^2 / ndf 71.67 / 89
p0 −359.5 ± 505
pull
Entries 90
Mean 813.4
Std Dev 755.2
pull1D
Entries 90
Mean −0.00337
Std Dev 0.8924


asym_atr1l2_dd_correction_rms vs run
χ^2 / ndf 7657 / 89
p0 467 ± 0.3571
580
560
540
520
500
480
460
440
420
400


asym_atr1l2_dd_mean vs run
×10^3
χ2 / ndf 77.69 / 89
p0 321 ± 606.1
120
100
80
60
40
20
0
−20
pull
Entries 90
Mean 279.9
Std Dev 216.5
2
1
0
−1
−2
pull1D
Entries 90
Mean 0.009301
Std Dev 0.929
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_rms vs run
χ2 / ndf 1.757e+04 / 89
p0 558.8 ± 0.4285
5000
4000
3000
2000
1000