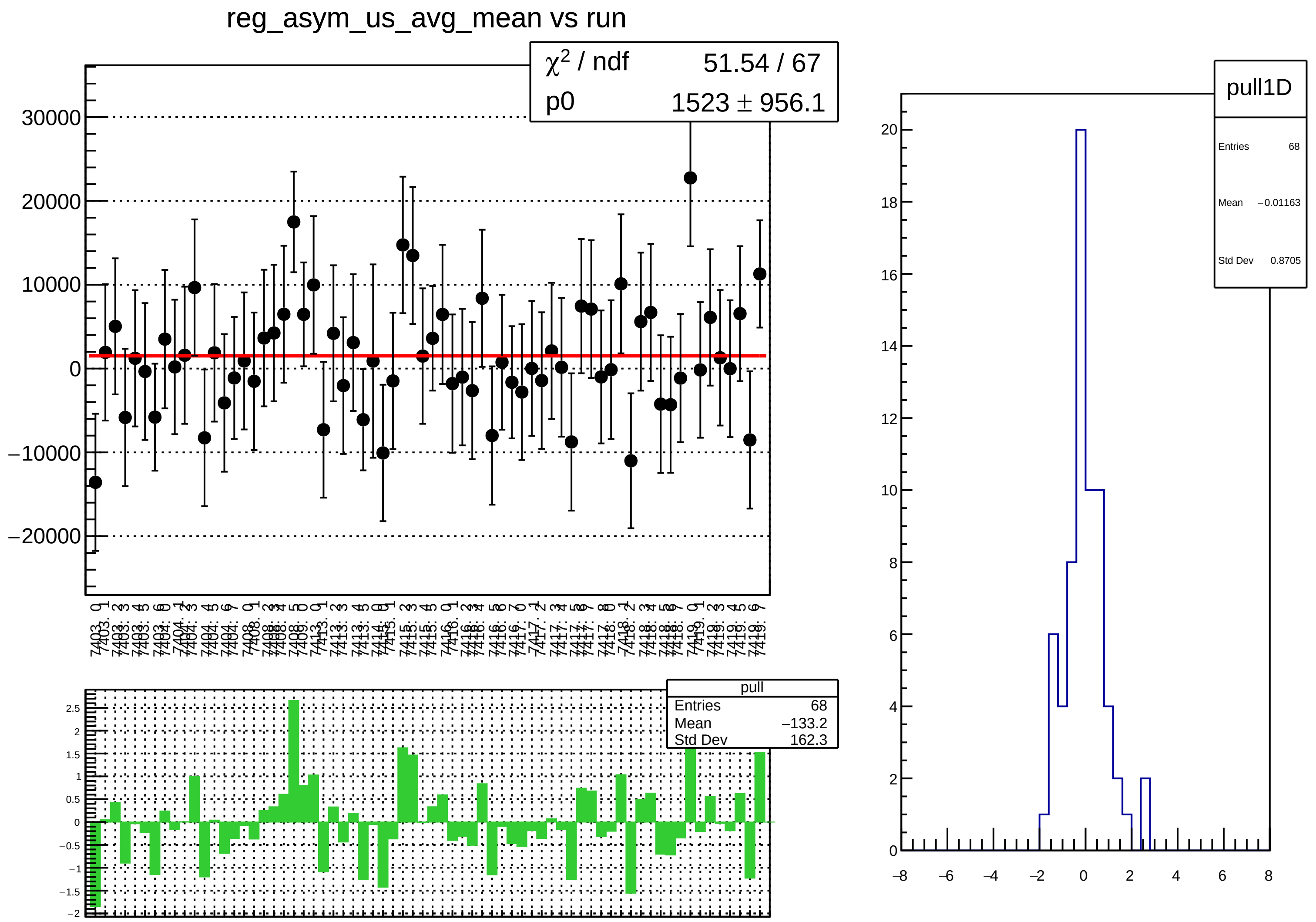
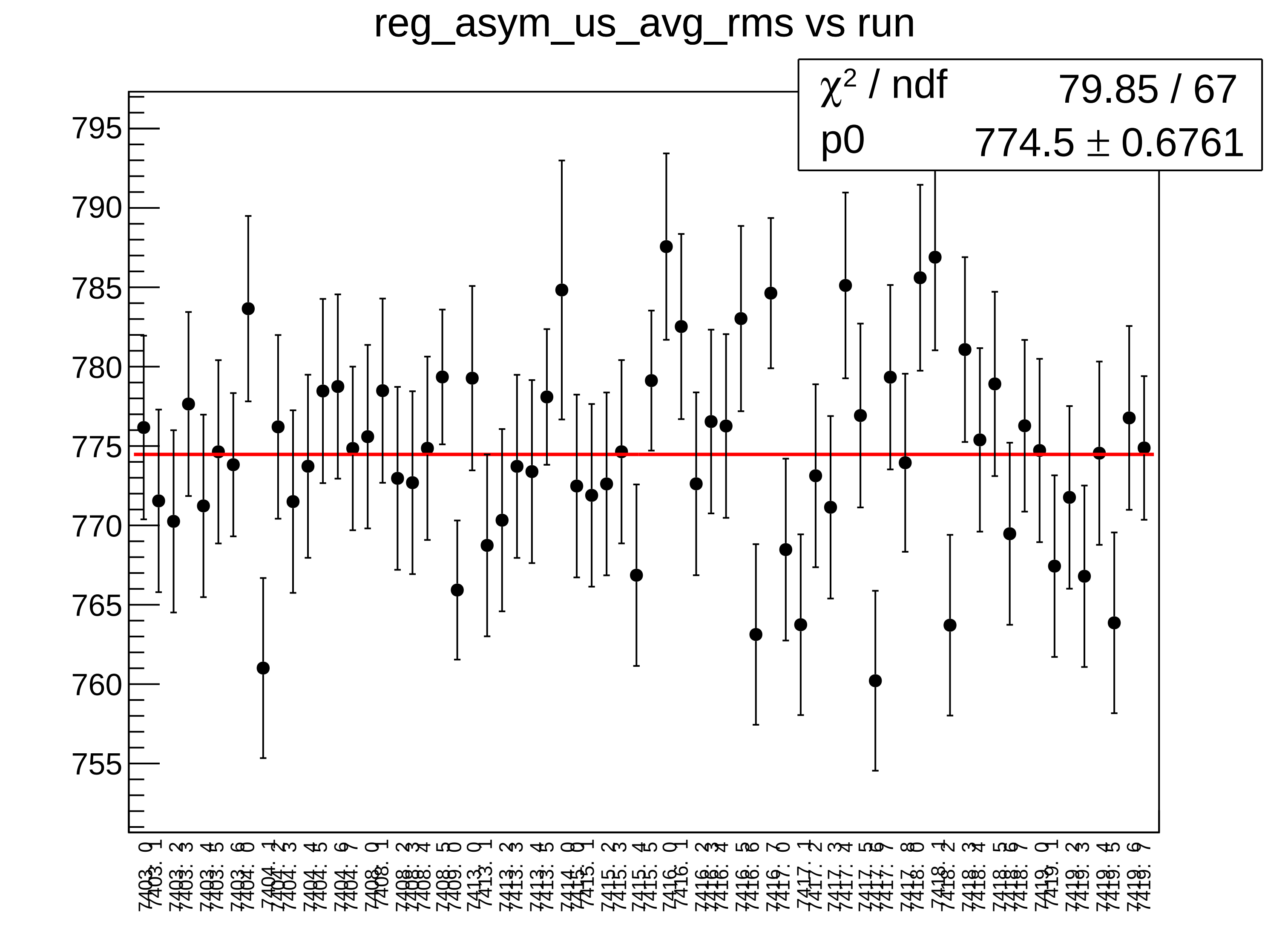
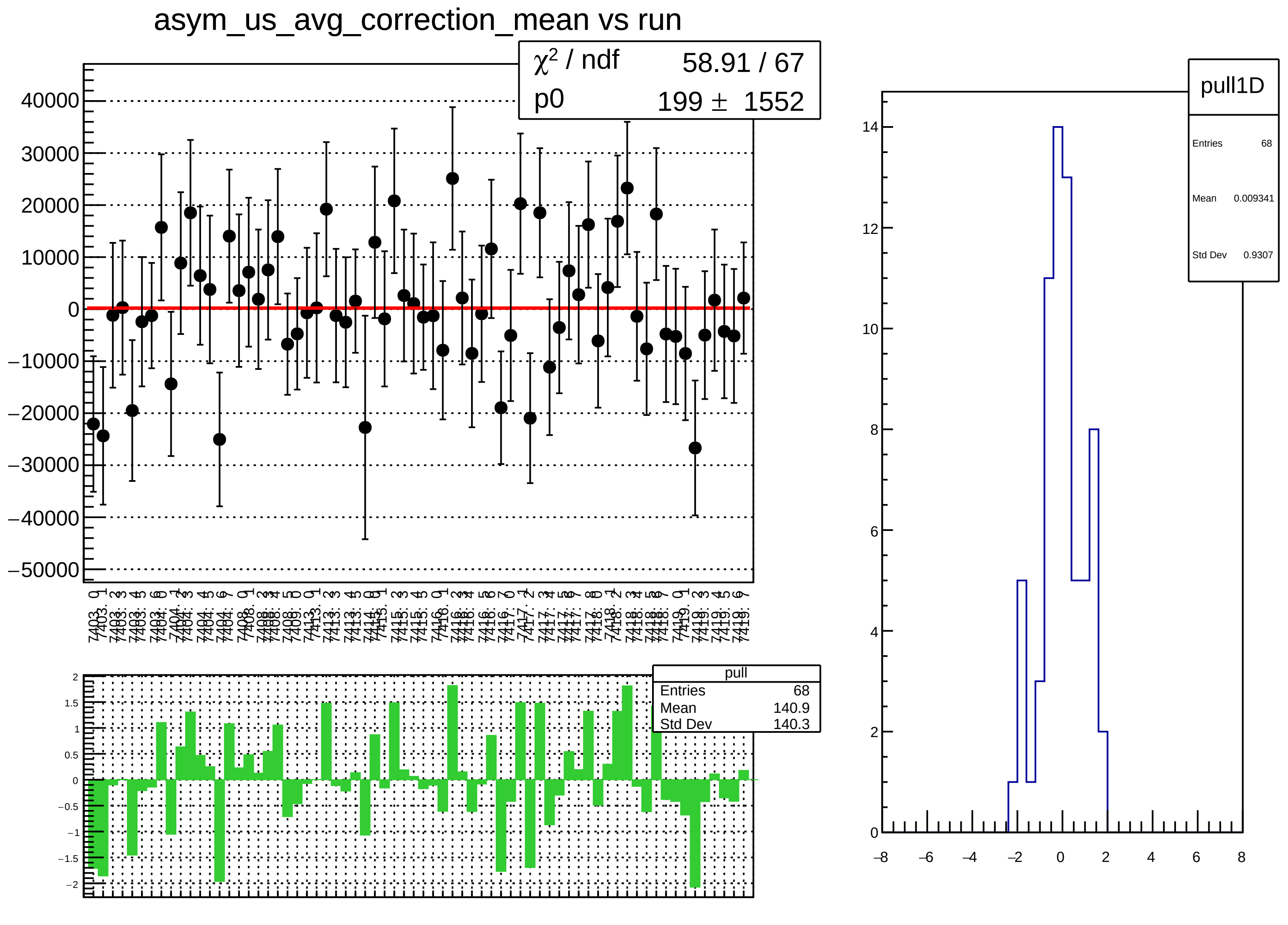
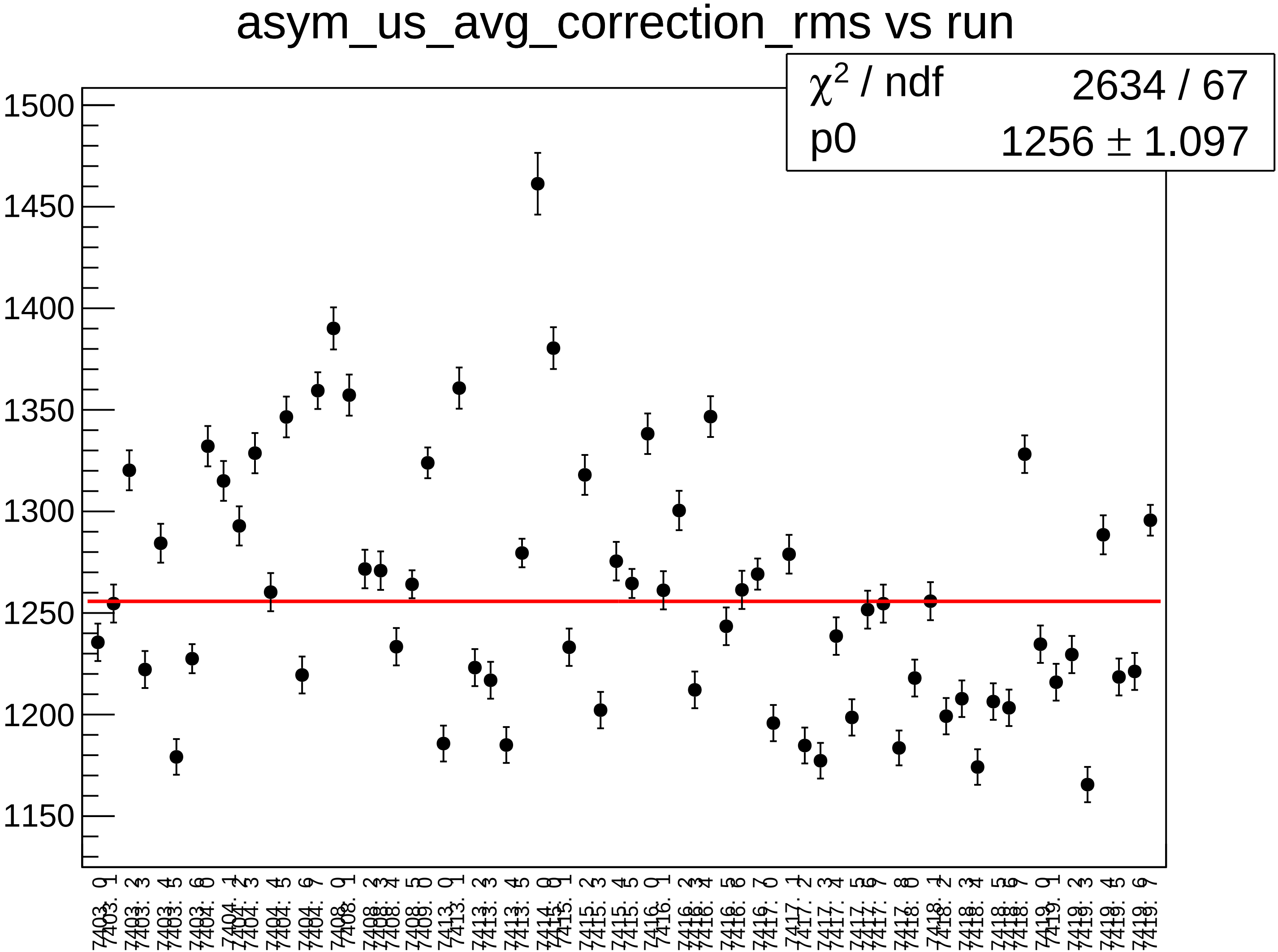
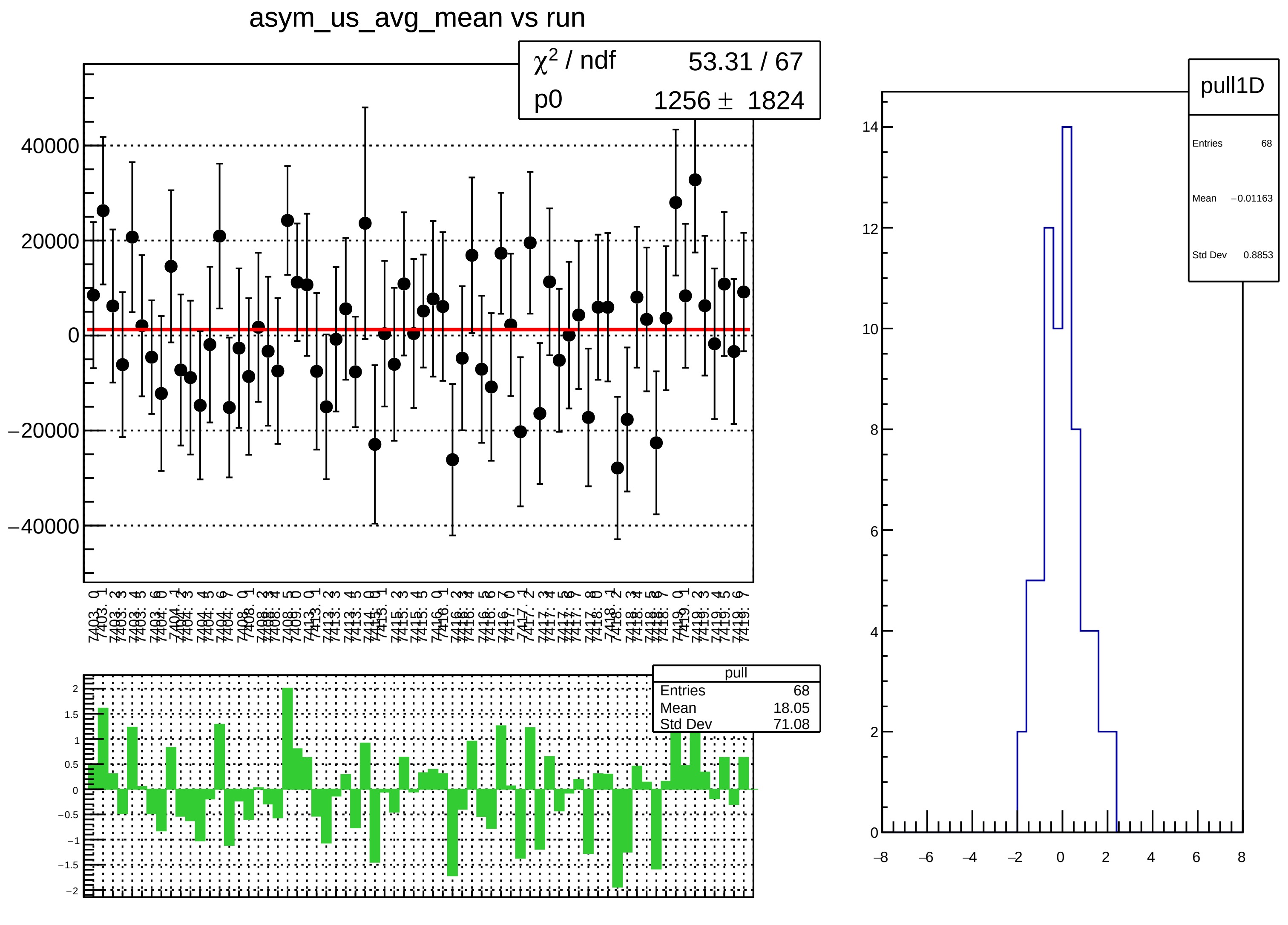
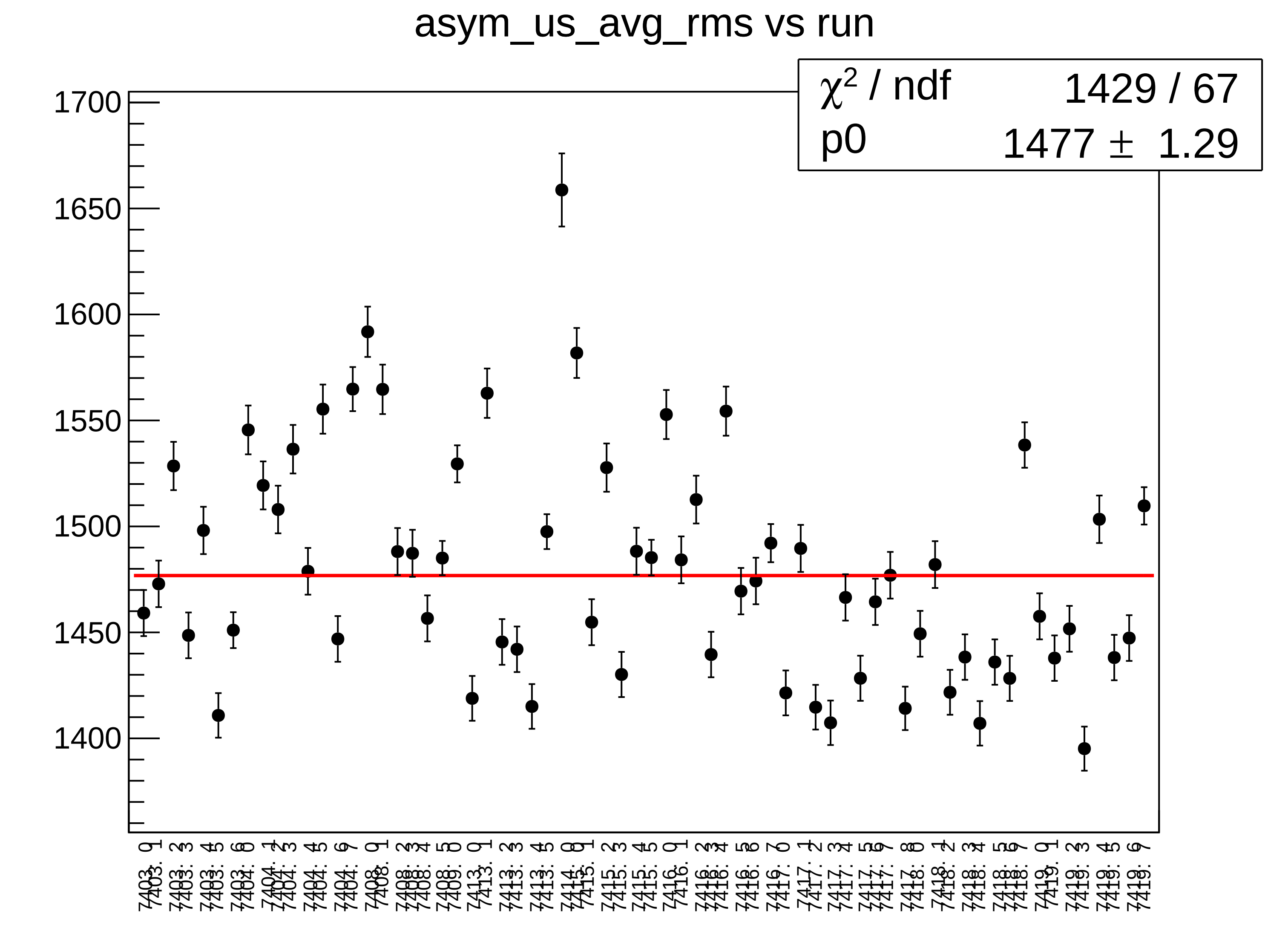

reg_asym_us_avg_mean vs run
χ2 / ndf 51.54 / 67
p0 1523 ± 956.1
30000
20000
10000
0
−10000
−20000
pull
Entries 68
Mean −133.2
Std Dev 162.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.01163
Std Dev 0.8705
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_rms vs run
χ2 / ndf 79.85 / 67
p0 774.5 ± 0.6761
795
790
785
780
775
770
765
760
755

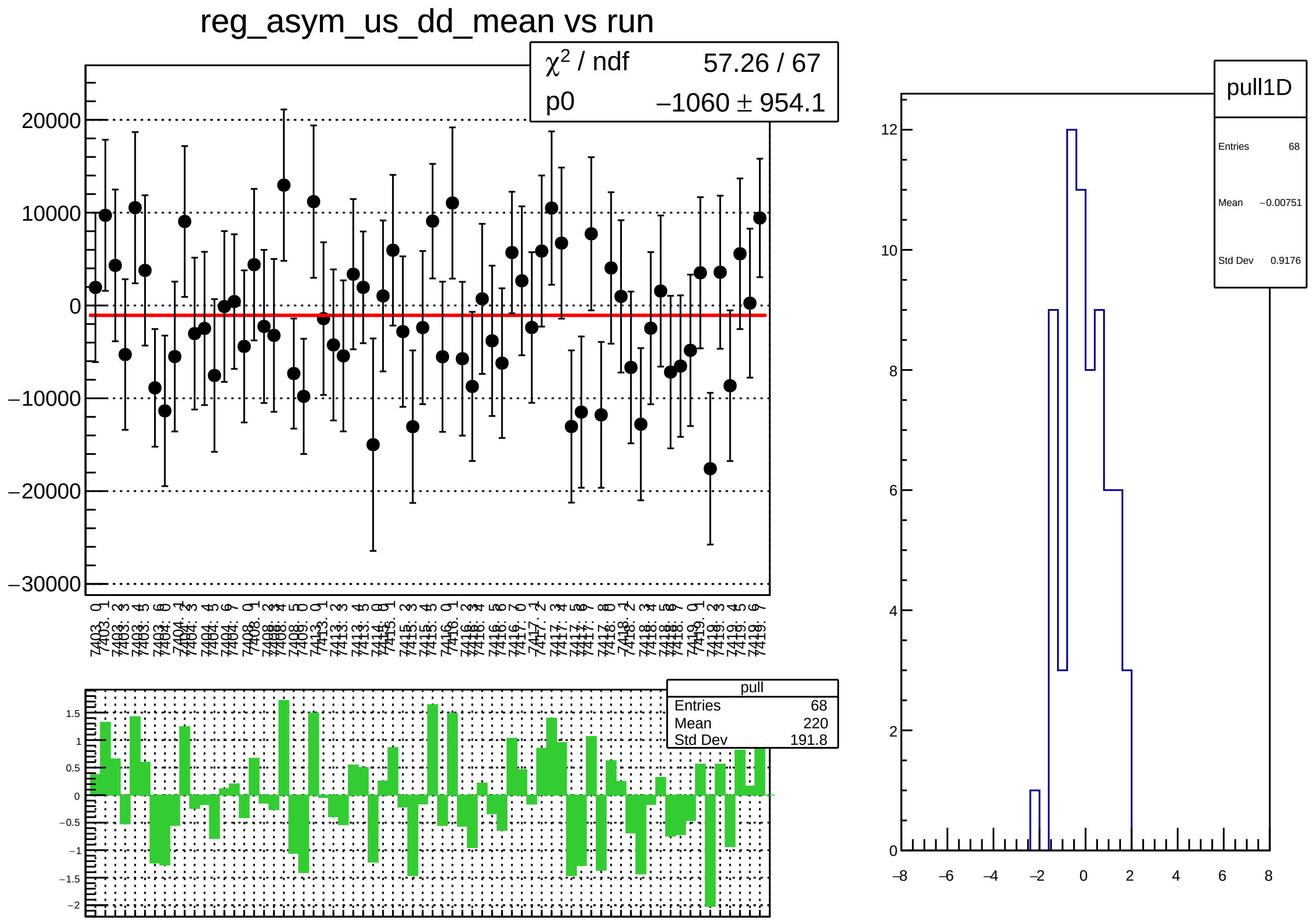

asym_us_avg_correction_mean vs run
χ^2 / ndf 58.91 / 67
p0 199 ± 1552
pull
Entries 68
Mean 140.9
Std Dev 140.3
pull1D
Entries 68
Mean 0.009341
Std Dev 0.9307

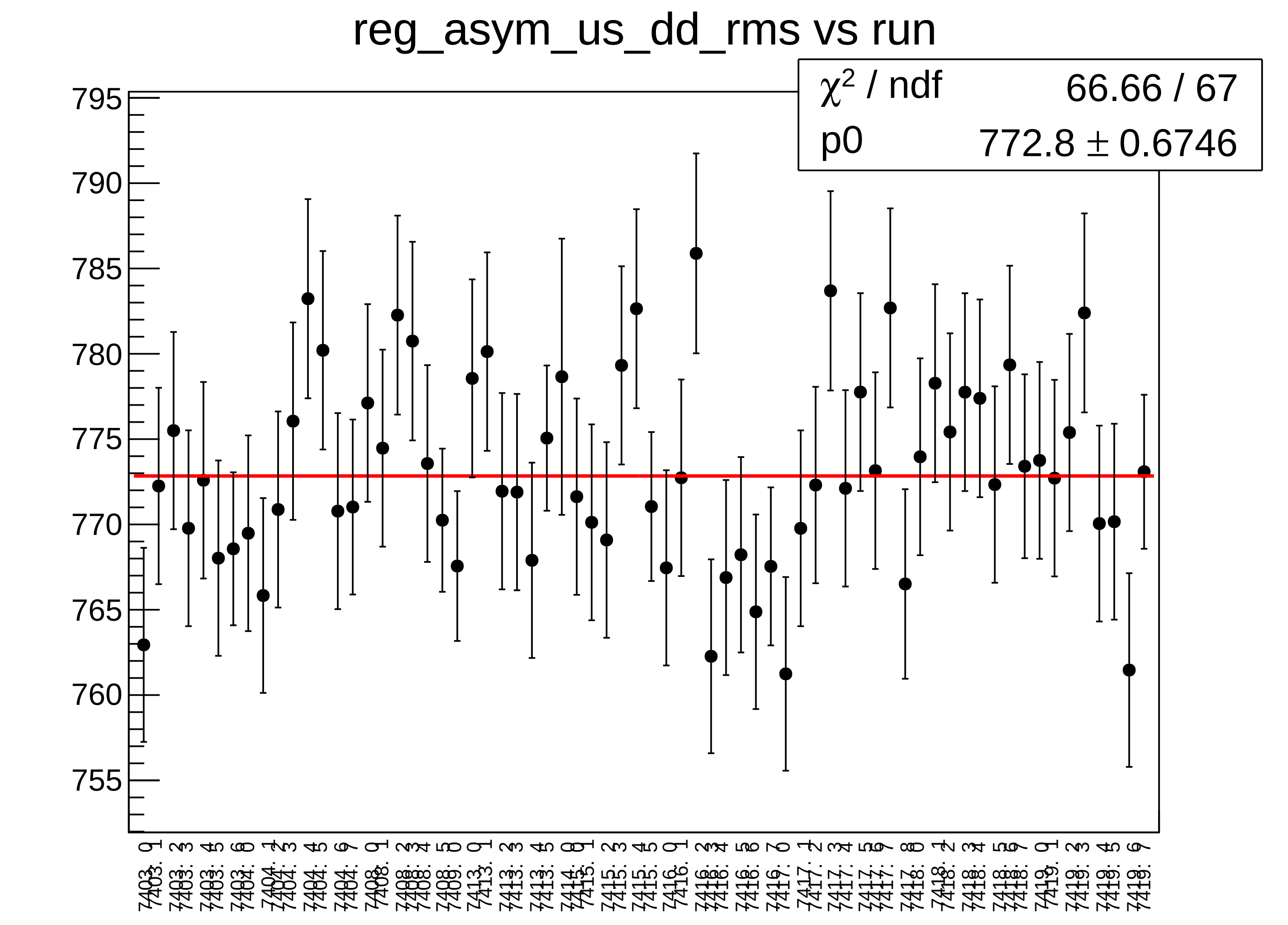

asym_us_avg_correction_rms vs run
χ2 / ndf 2634 / 67
p0 1256 ± 1.097
1500
1450
1400
1350
1300
1250
1200
1150


asym_us_avg_mean vs run
χ^2 / ndf 53.31 / 67
p0 1256 ± 1824
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 18.05
Std Dev 71.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.01163
Std Dev 0.8853
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

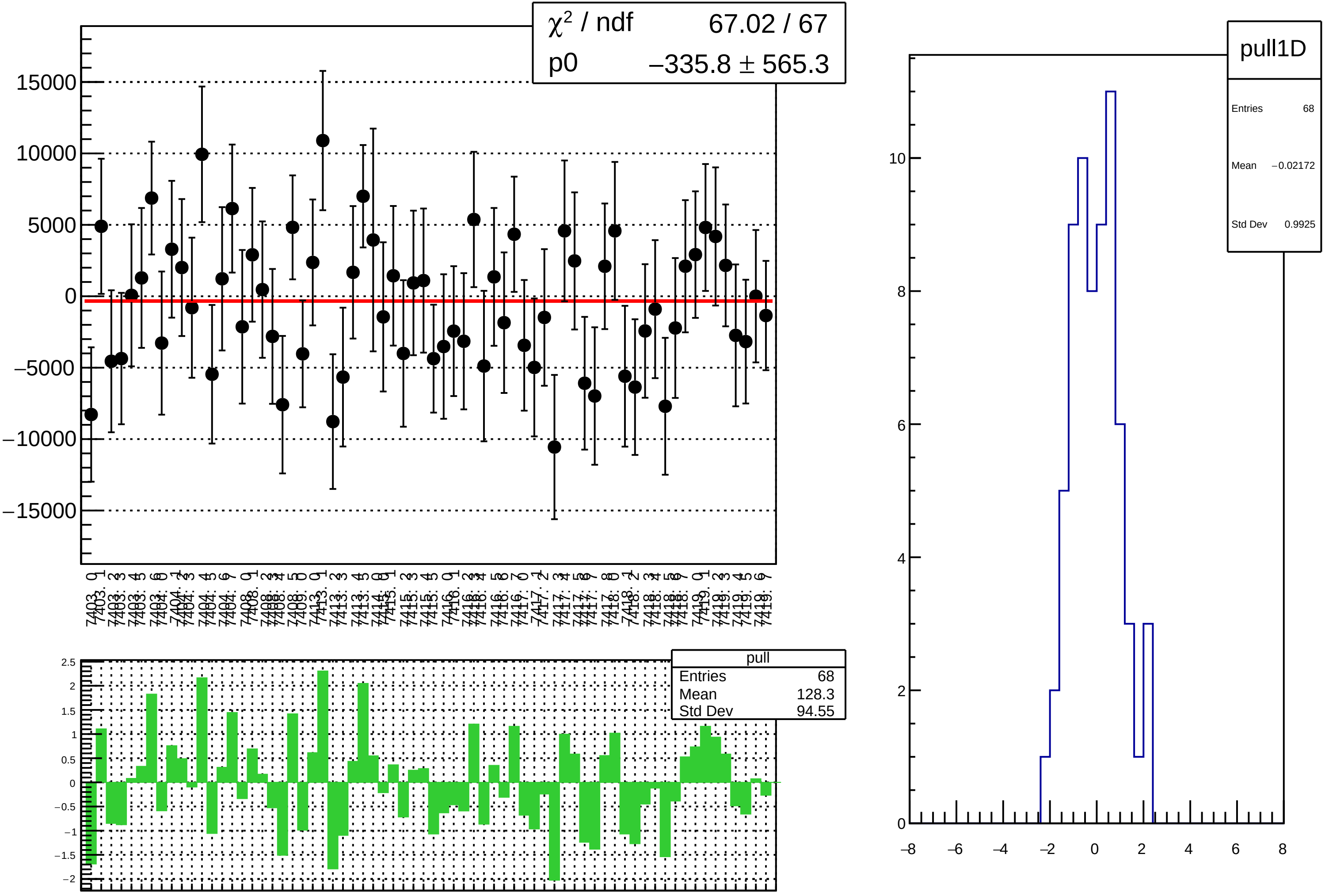


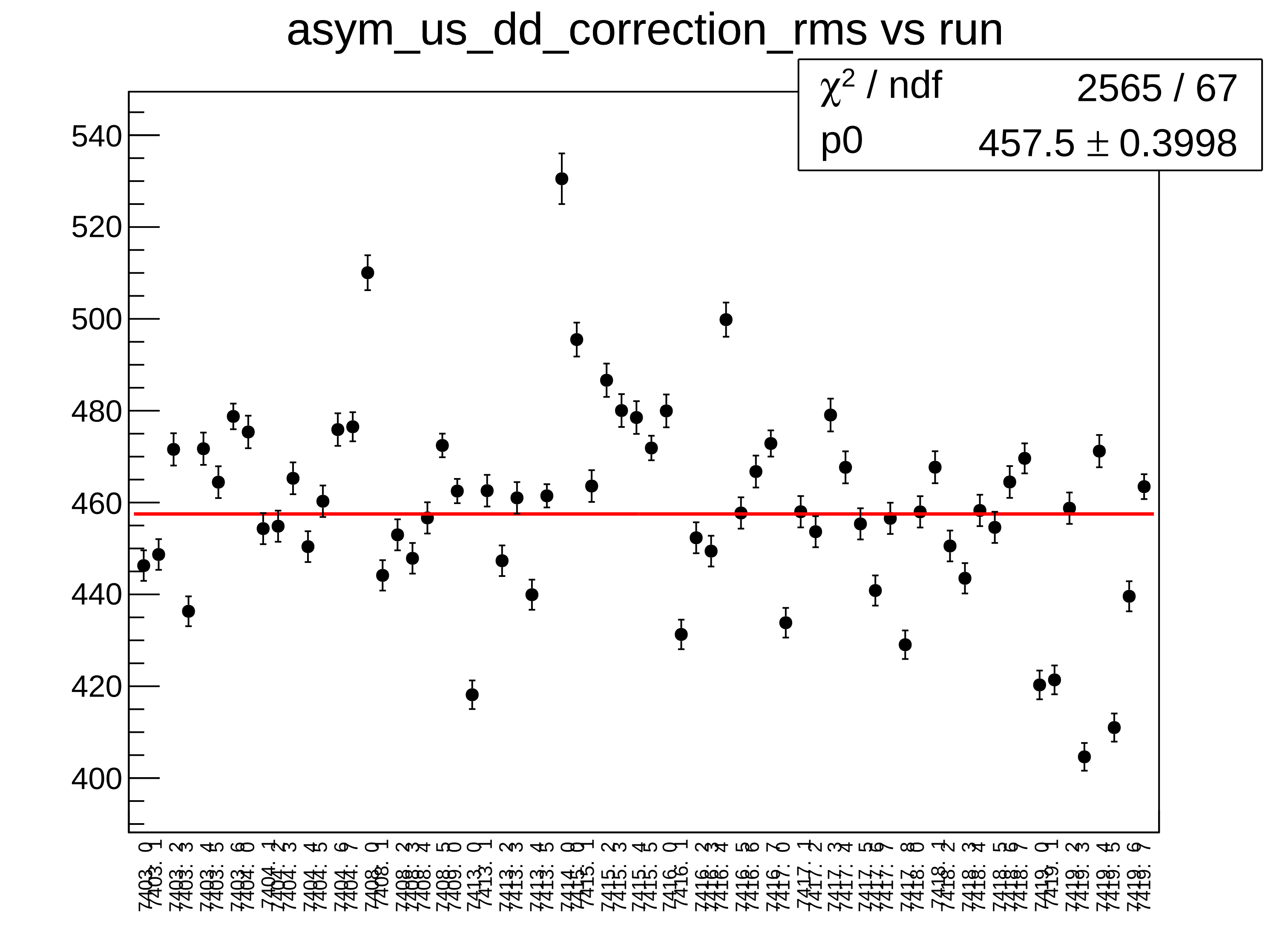
asym_us_avg_rms vs run
χ^2 / ndf 1429 / 67
p0 1477 ± 1.29
1700
1650
1600
1550
1500
1450
1400

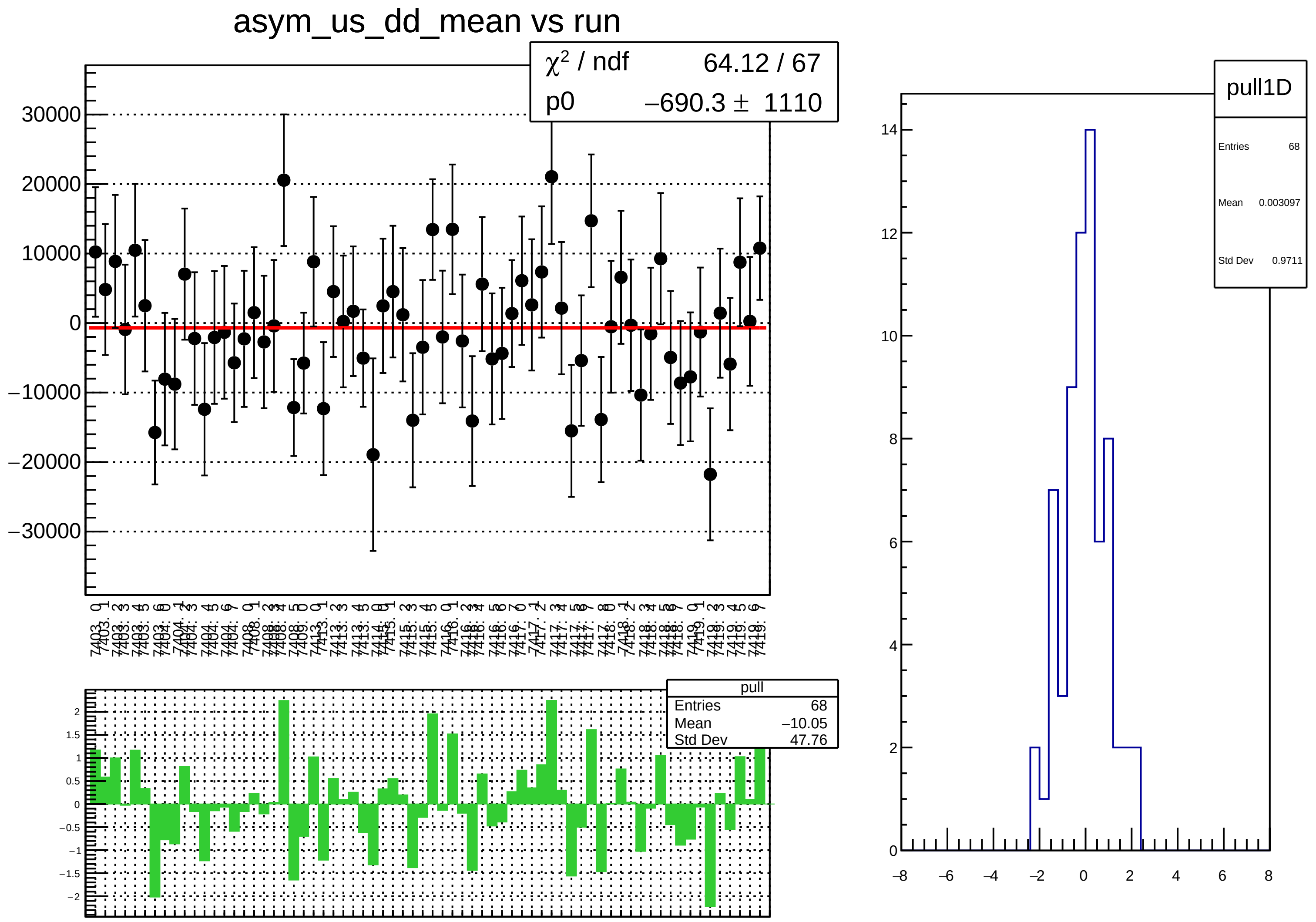

reg_asym_us_dd_mean vs run
χ^2 / ndf 57.26 / 67
p0 −1060 ± 954.1
pull
Entries 68
Mean 220
Std Dev 191.8
pull1D
Entries 68
Mean −0.00751
Std Dev 0.9176


reg_asym_us_dd_rms vs run
χ2 / ndf 66.66 / 67
p0 772.8 ± 0.6746

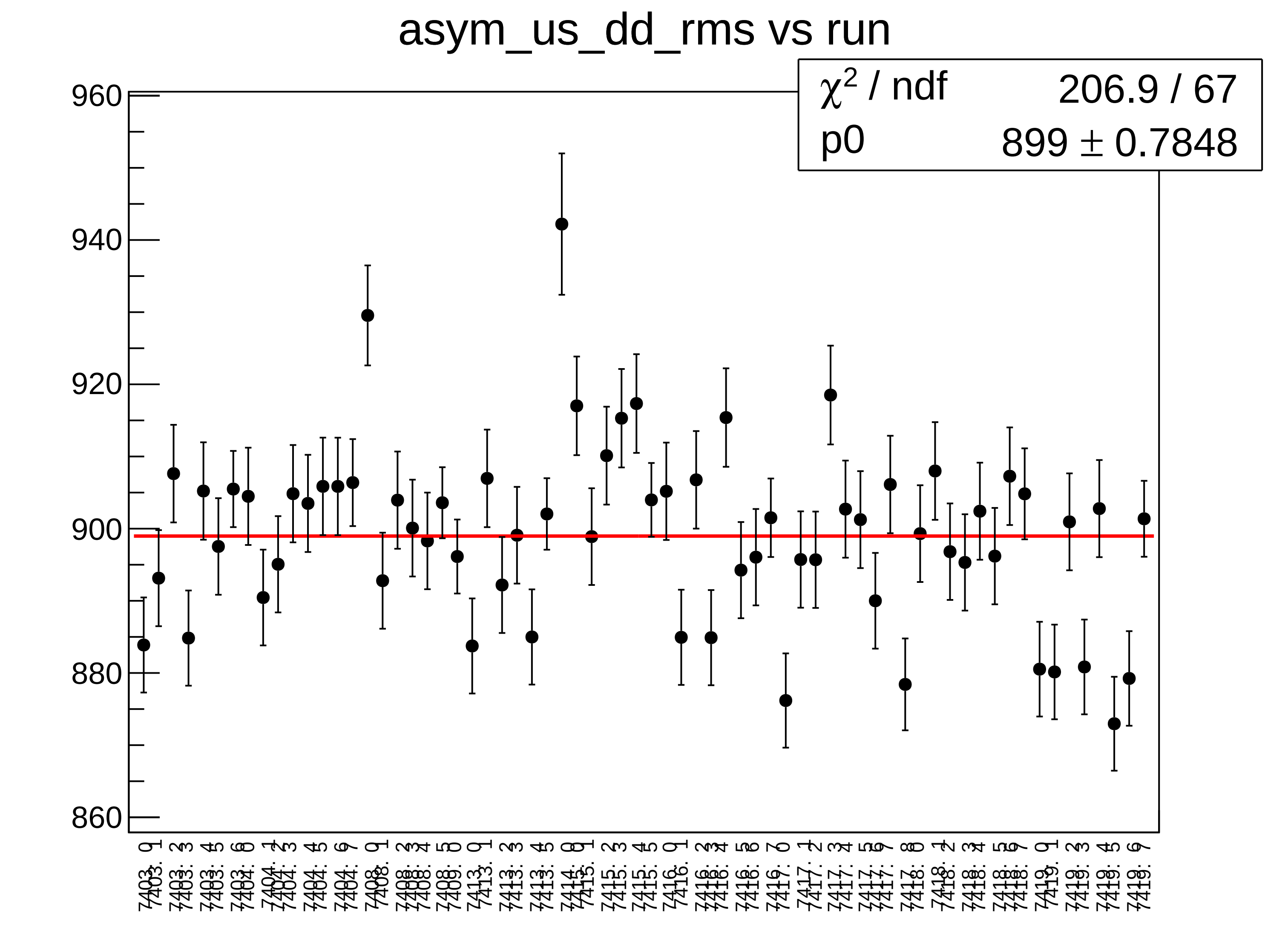
asym_us_dd_correction_mean vs run



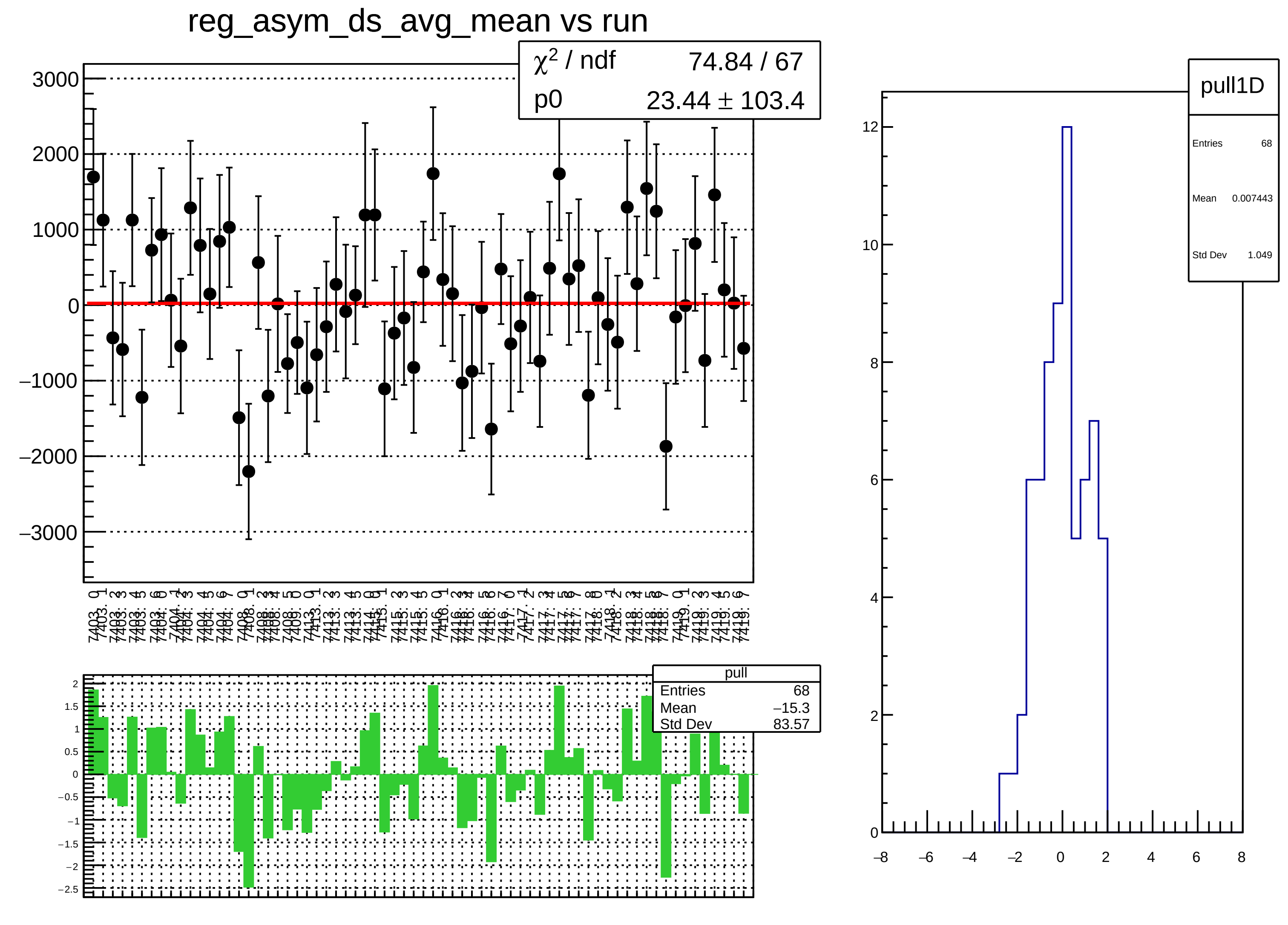

asym_us_dd_correction_rms vs run
χ^2 / ndf 2565 / 67
p0 457.5 ± 0.3998
540
520
500
480
460
440
420
400



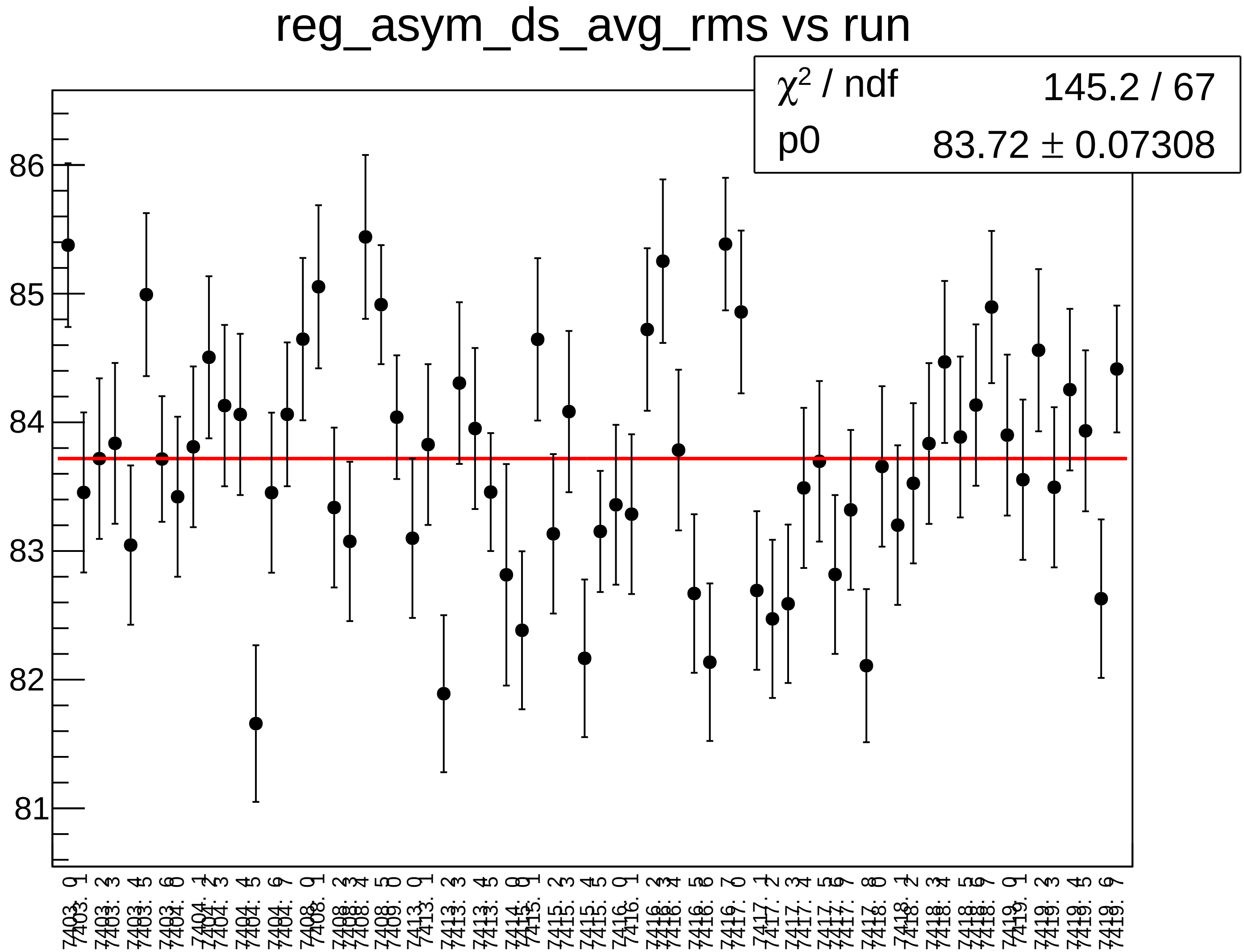
asym_us_dd_mean vs run
χ^2 / ndf 64.12 / 67
p0 −690.3 ± 1110
pull
Entries 68
Mean −10.05
Std Dev 47.76
pull1D
Entries 68
Mean 0.003097
Std Dev 0.9711



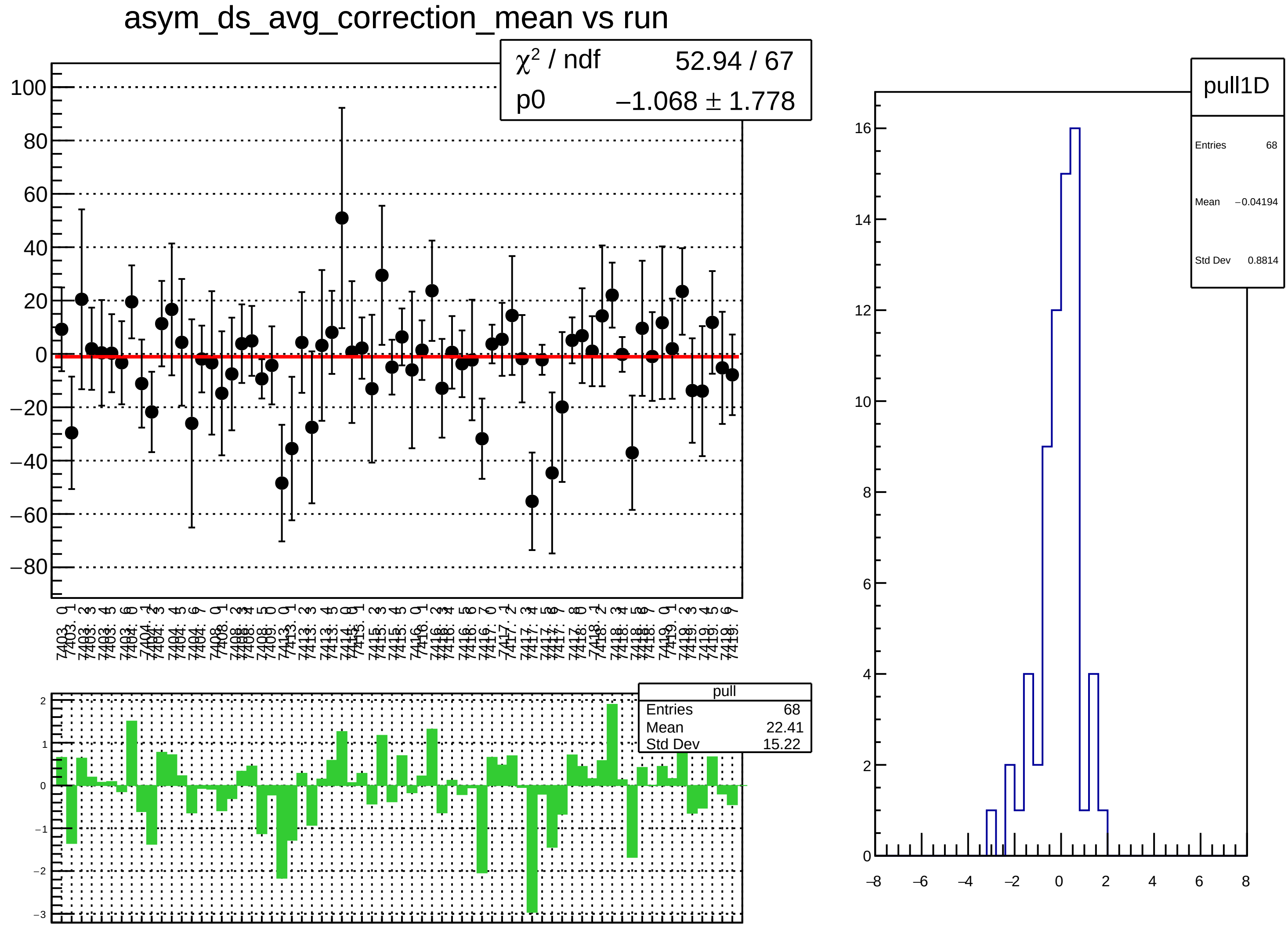
asym_us_dd_rms vs run
χ^2 / ndf 206.9 / 67
p0 899 ± 0.7848
960
940
920
900
880
860

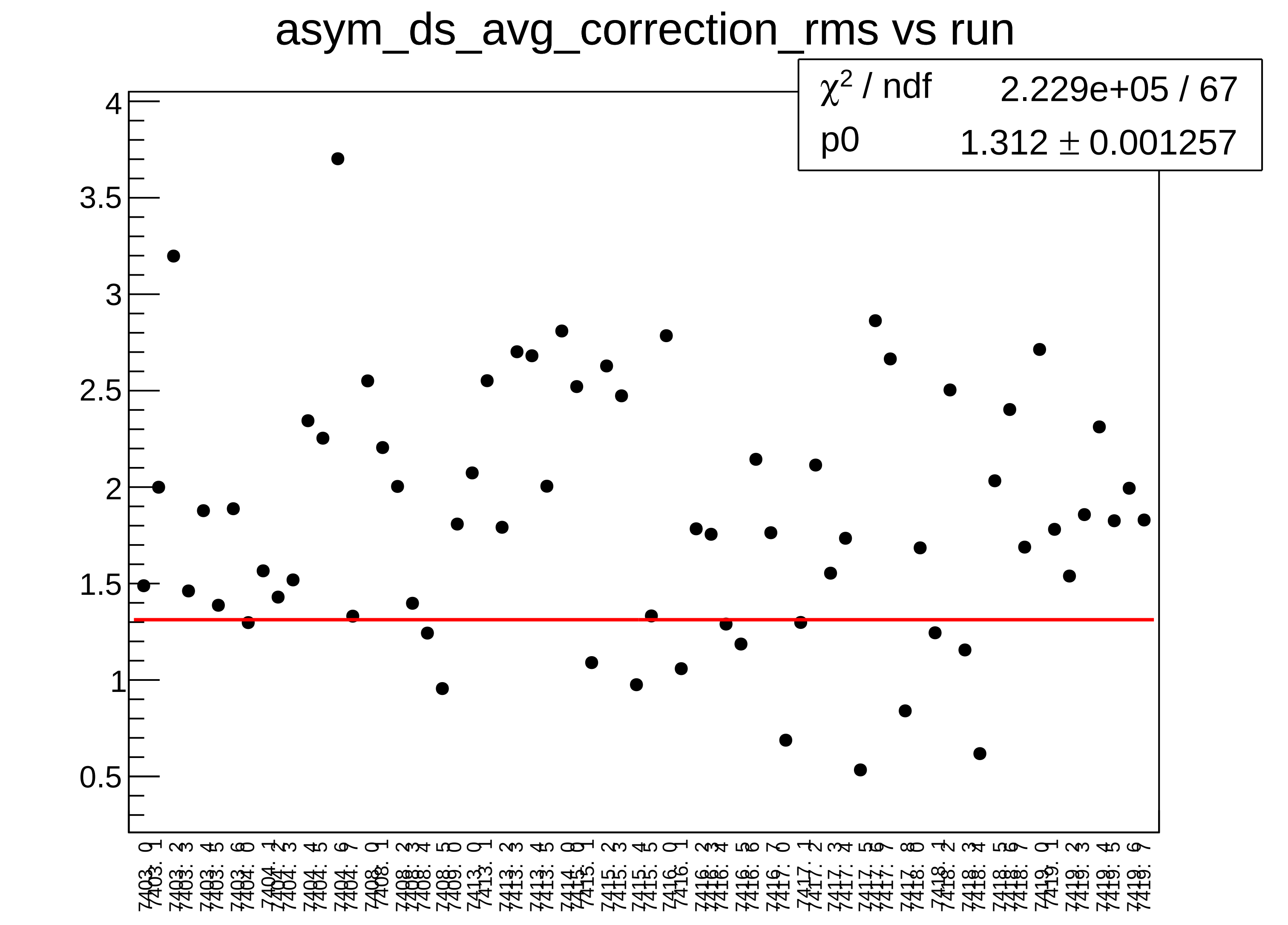


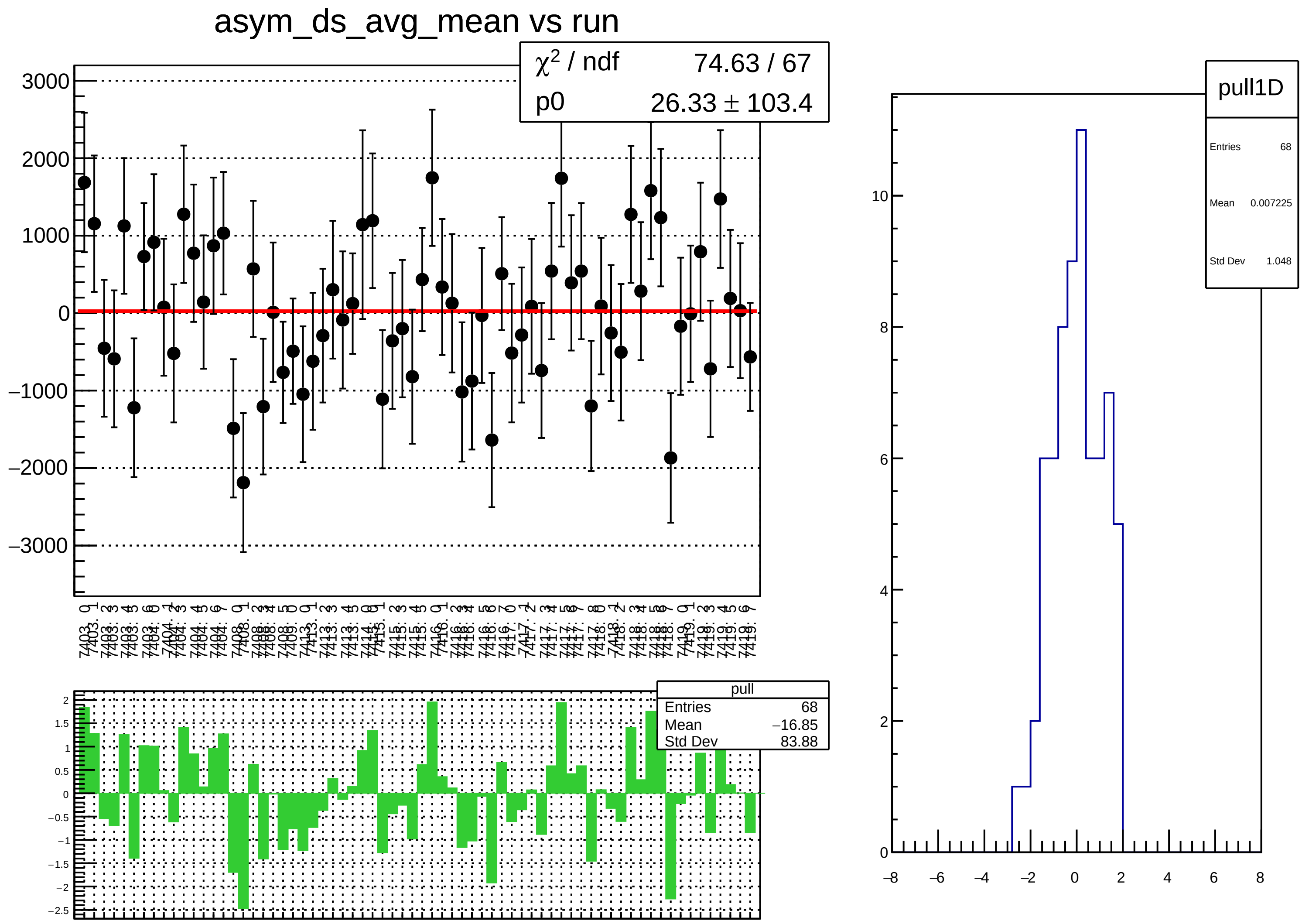
reg_asym_ds_avg_mean vs run
χ^2 / ndf 74.84 / 67
p0 23.44 ± 103.4
pull
Entries 68
Mean −15.3
Std Dev 83.57
pull1D
Entries 68
Mean 0.007443
Std Dev 1.049



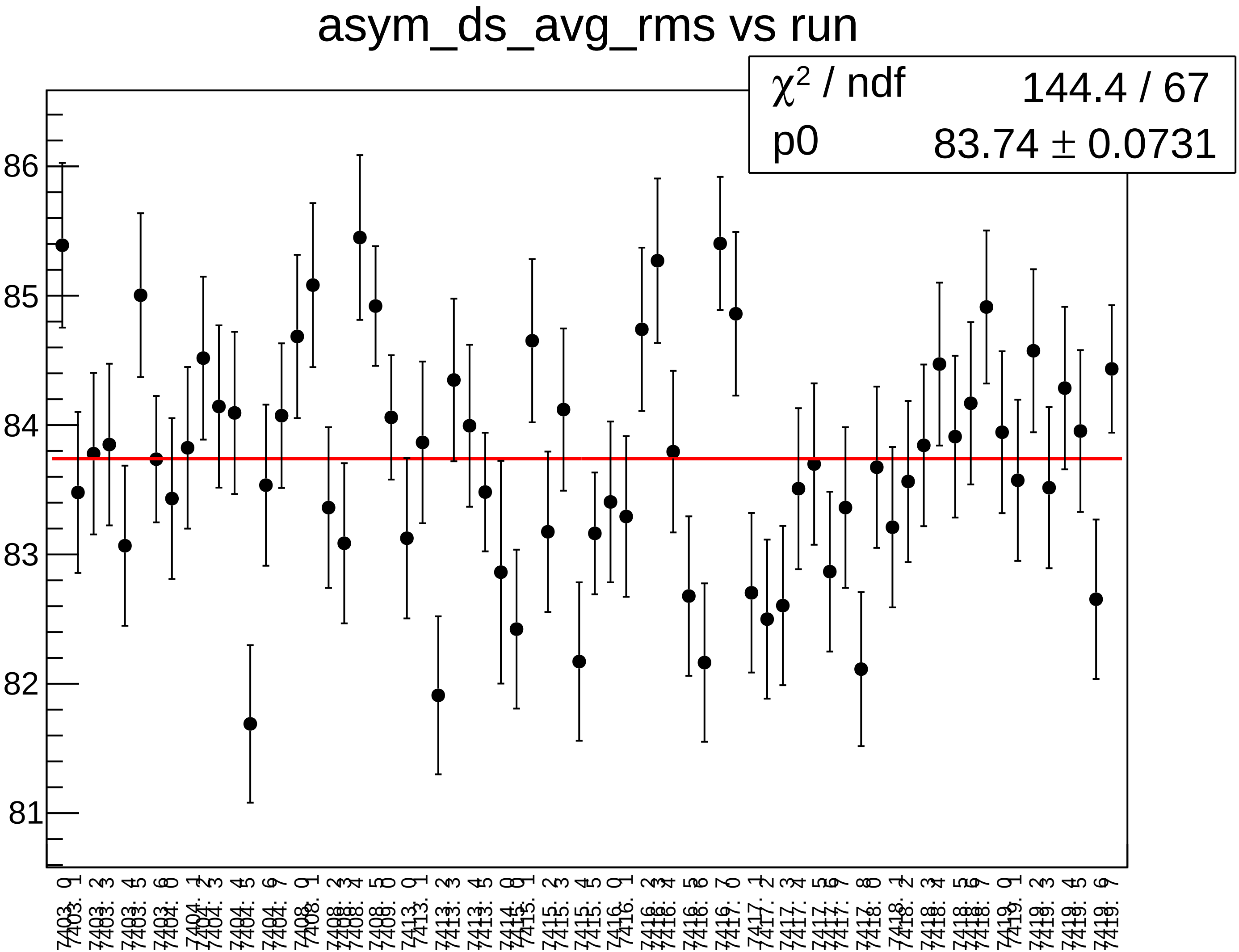
reg_asym_ds_avg_rms vs run
χ2 / ndf 145.2 / 67
p0 83.72 ± 0.07308
86
85
84
83
82
81


asym_ds_avg_correction_mean vs run
χ^2 / ndf 52.94 / 67
p0 −1.068 ± 1.778
pull
Entries 68
Mean 22.41
Std Dev 15.22
pull1D
Entries 68
Mean −0.04194
Std Dev 0.8814

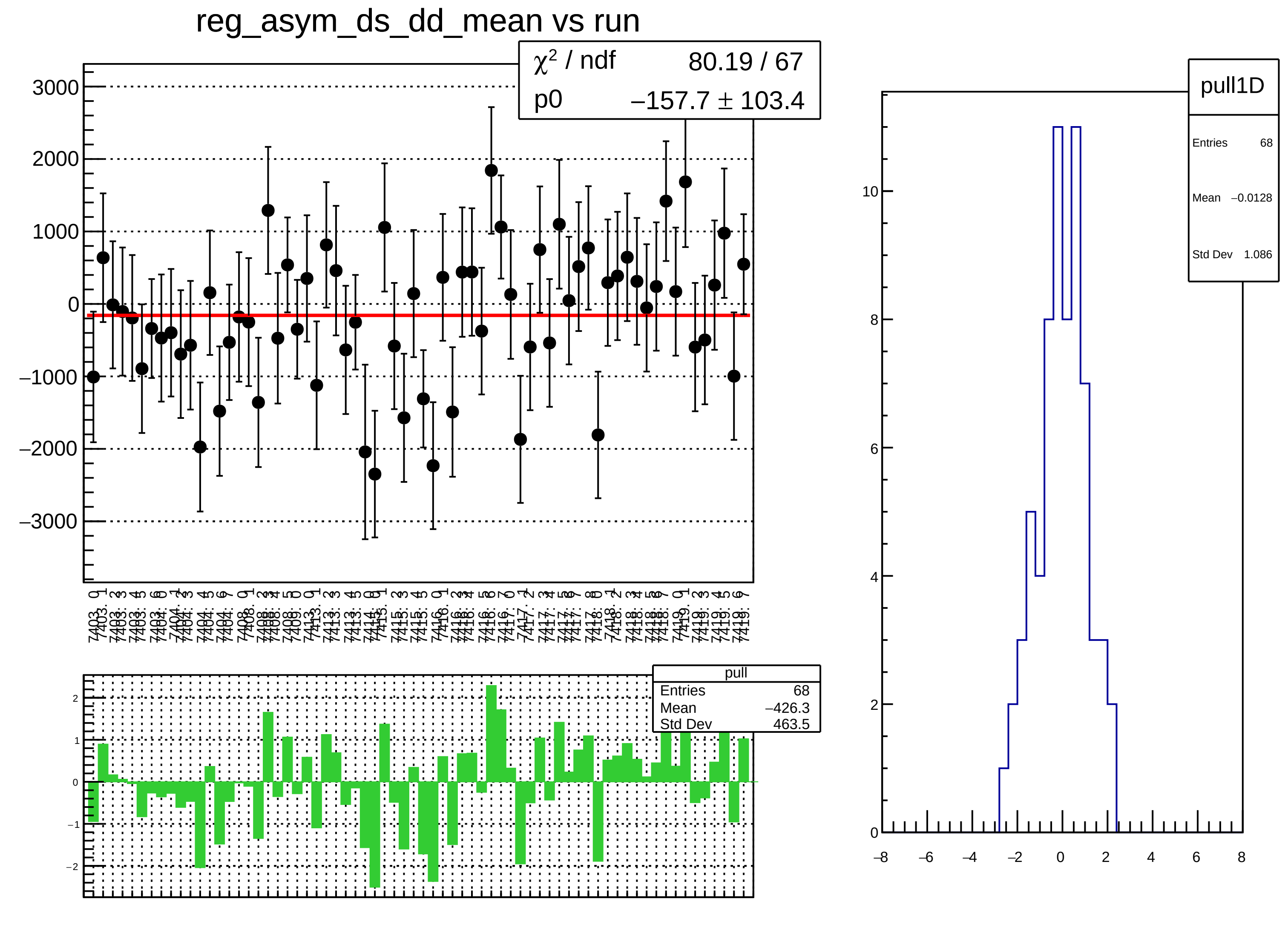

asym_ds_avg_correction_rms vs run
χ^2 / ndf 2.229e+05 / 67
p0 1.312 ± 0.001257



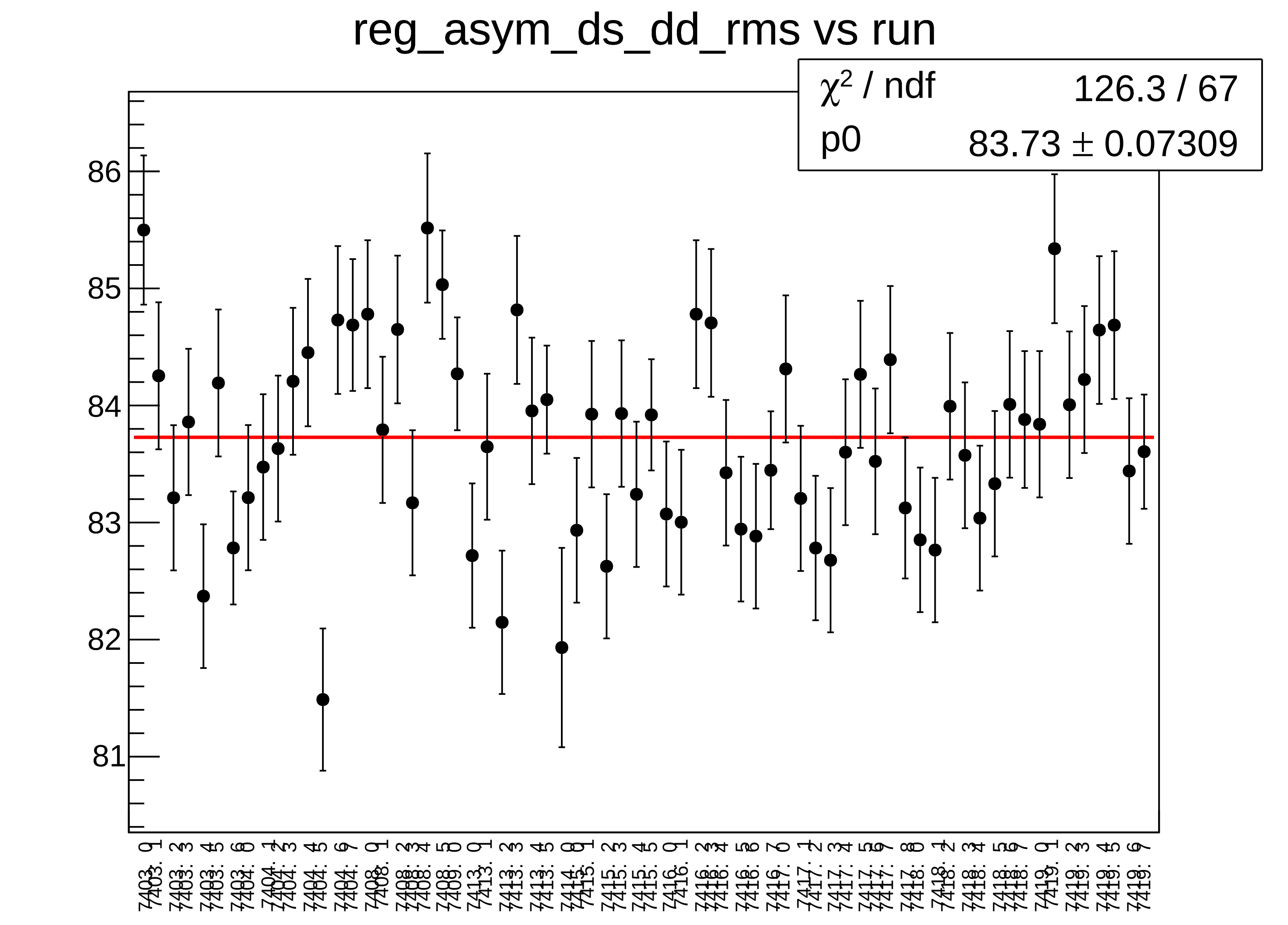
asym_ds_avg_mean vs run
χ^2 / ndf 74.63 / 67
p0 26.33 ± 103.4
pull
Entries 68
Mean −16.85
Std Dev 83.88
pull1D
Entries 68
Mean 0.007225
Std Dev 1.048

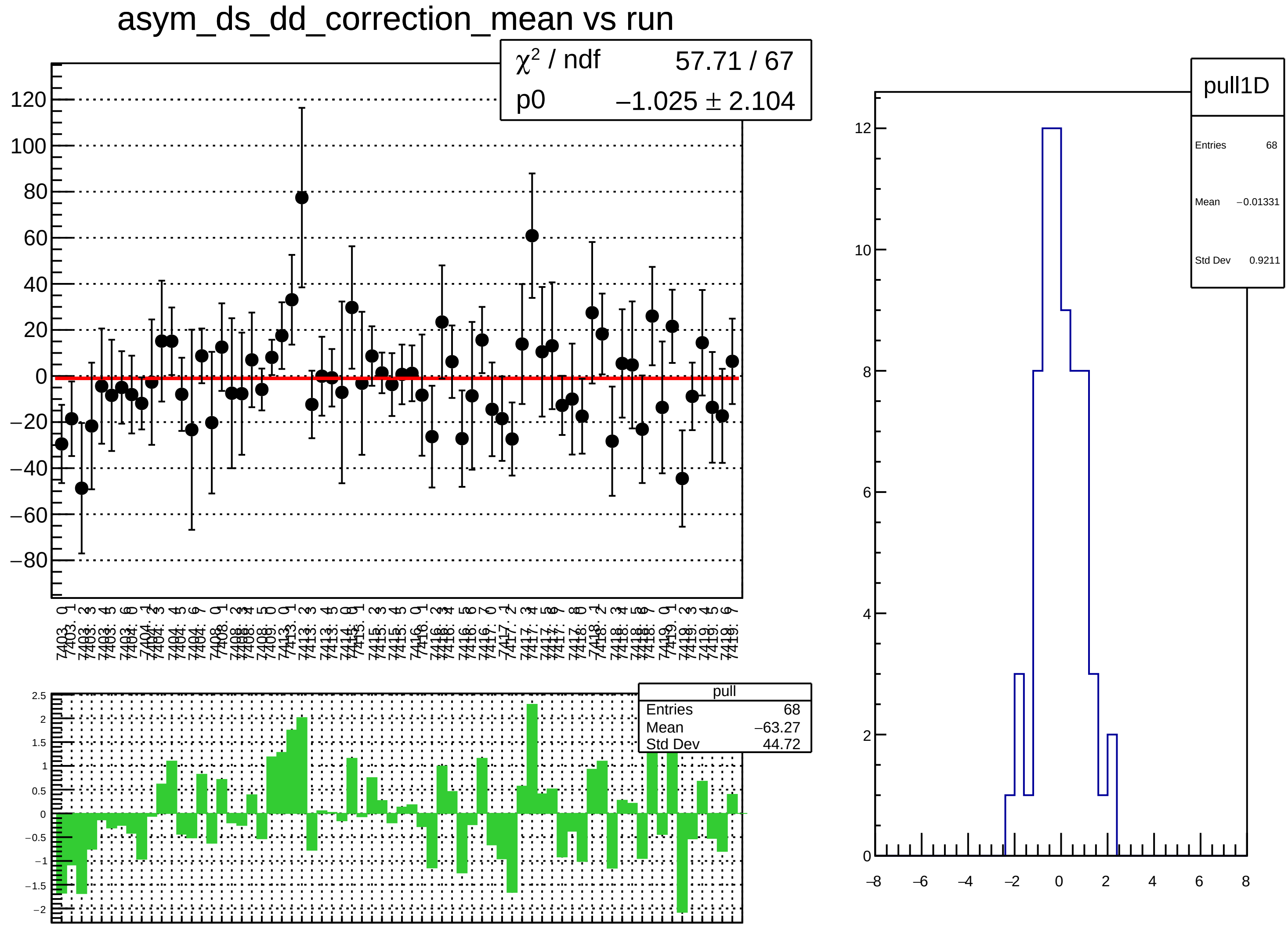


asym_ds_avg_rms vs run
χ^2 / ndf 144.4 / 67
p0 83.74 ± 0.0731
86
85
84
83
82
81

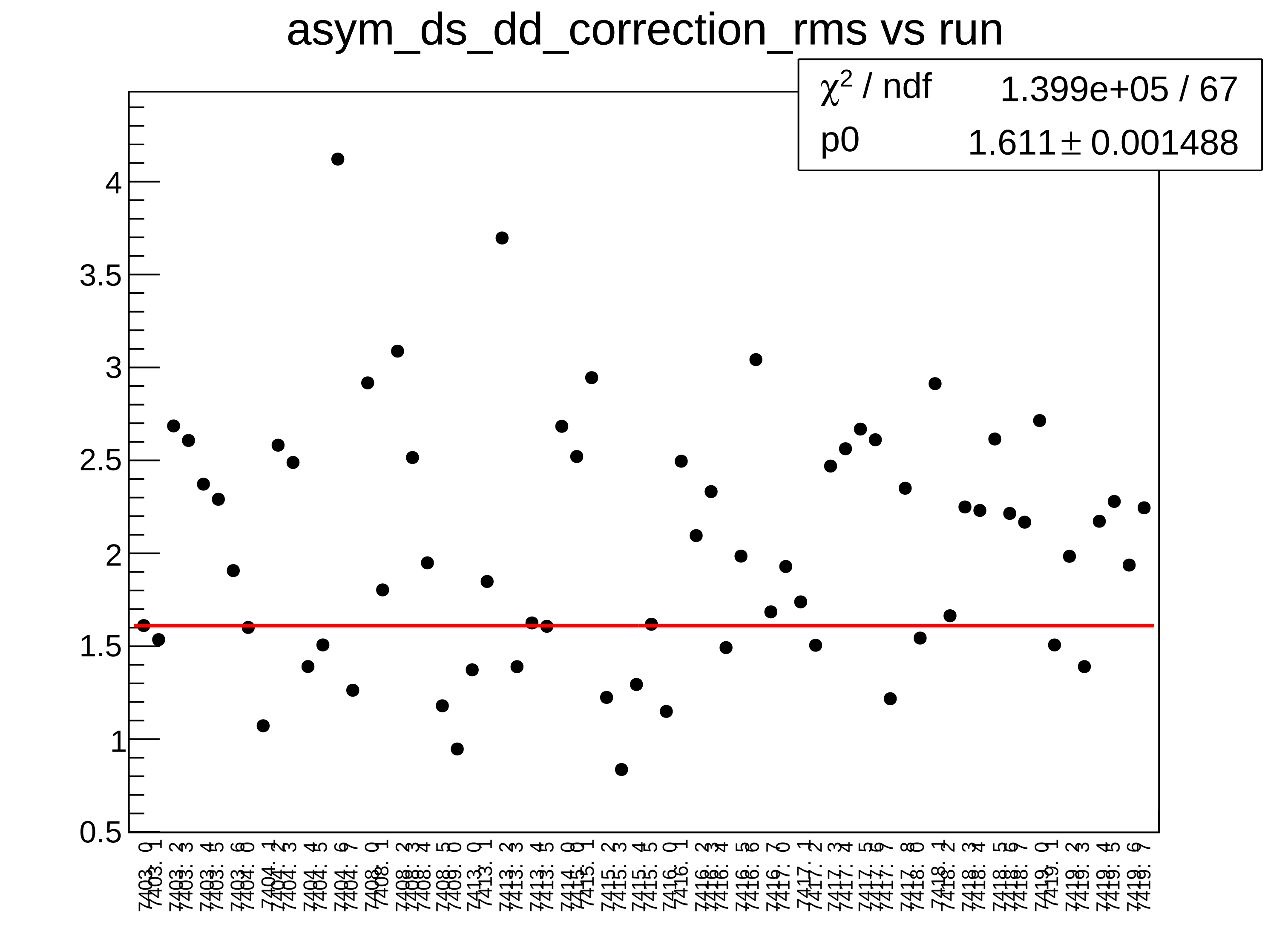


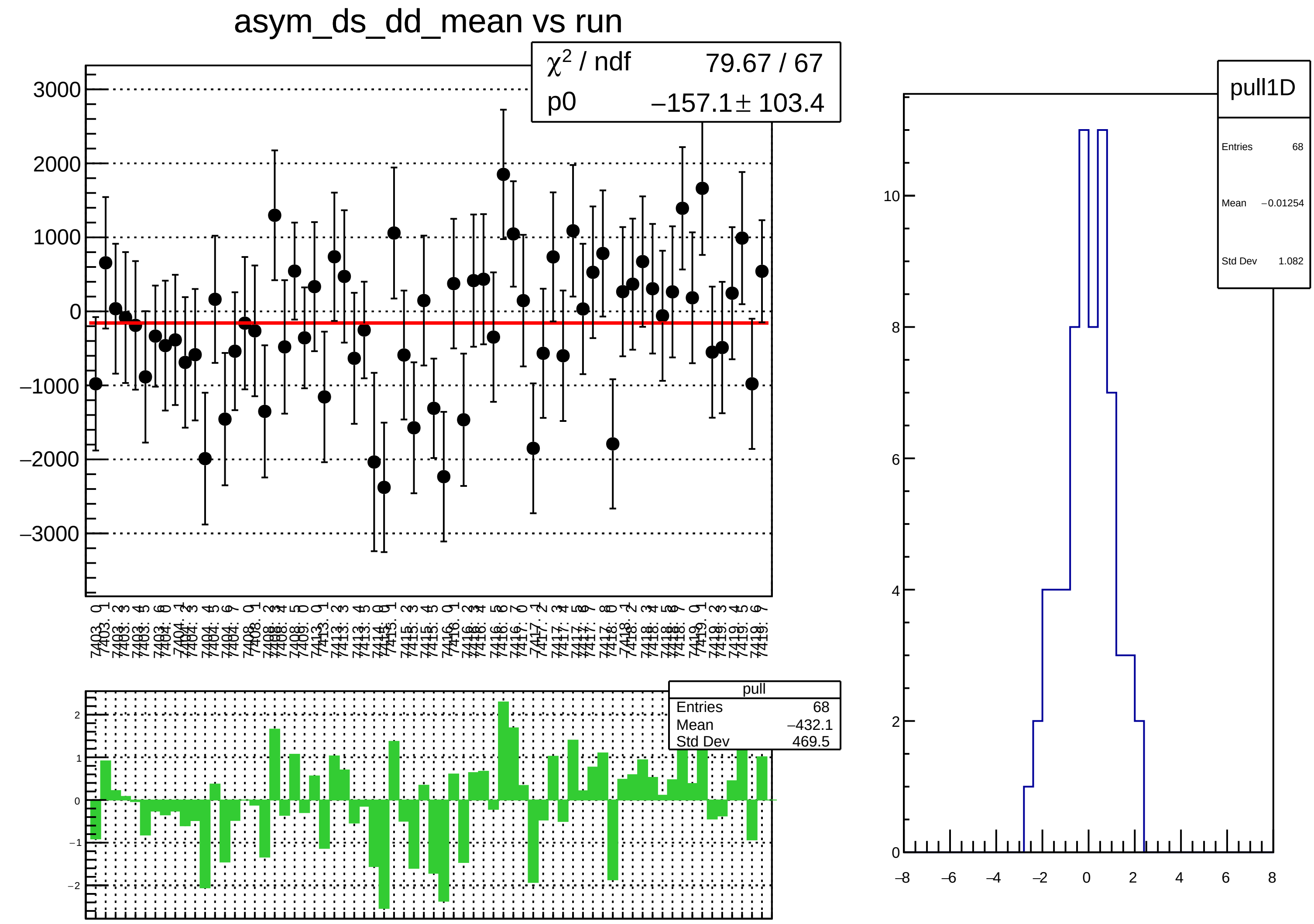
reg_asym_ds_dd_mean vs run
χ2 / ndf 80.19 / 67
p0 −157.7 ± 103.4
pull
Entries 68
Mean −426.3
Std Dev 463.5
pull1D
Entries 68
Mean −0.0128
Std Dev 1.086



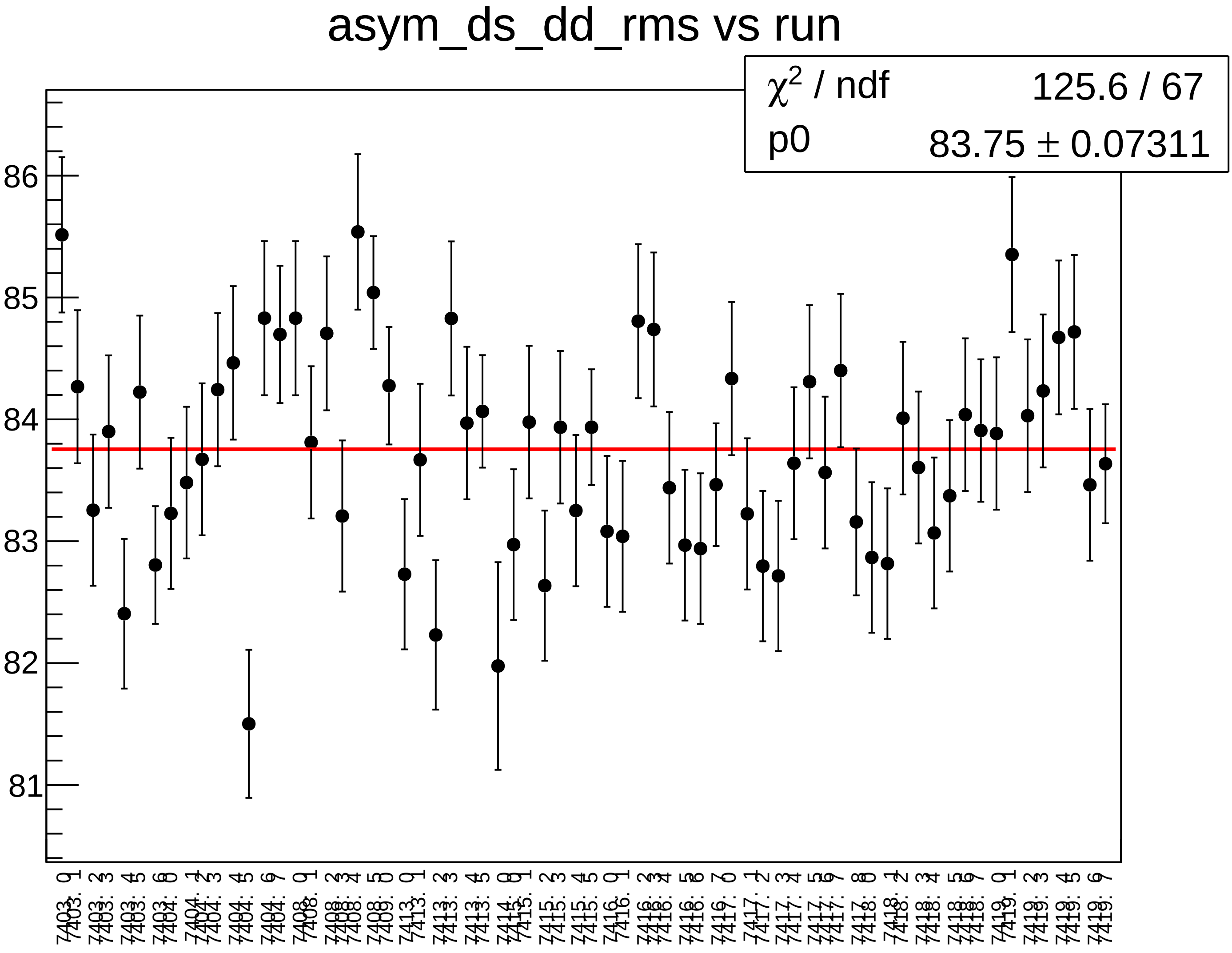


asym_ds_dd_correction_mean vs run
χ^2 / ndf 57.71 / 67
p0 −1.025 ± 2.104
pull
Entries 68
Mean −63.27
Std Dev 44.72
pull1D
Entries 68
Mean −0.01331
Std Dev 0.9211

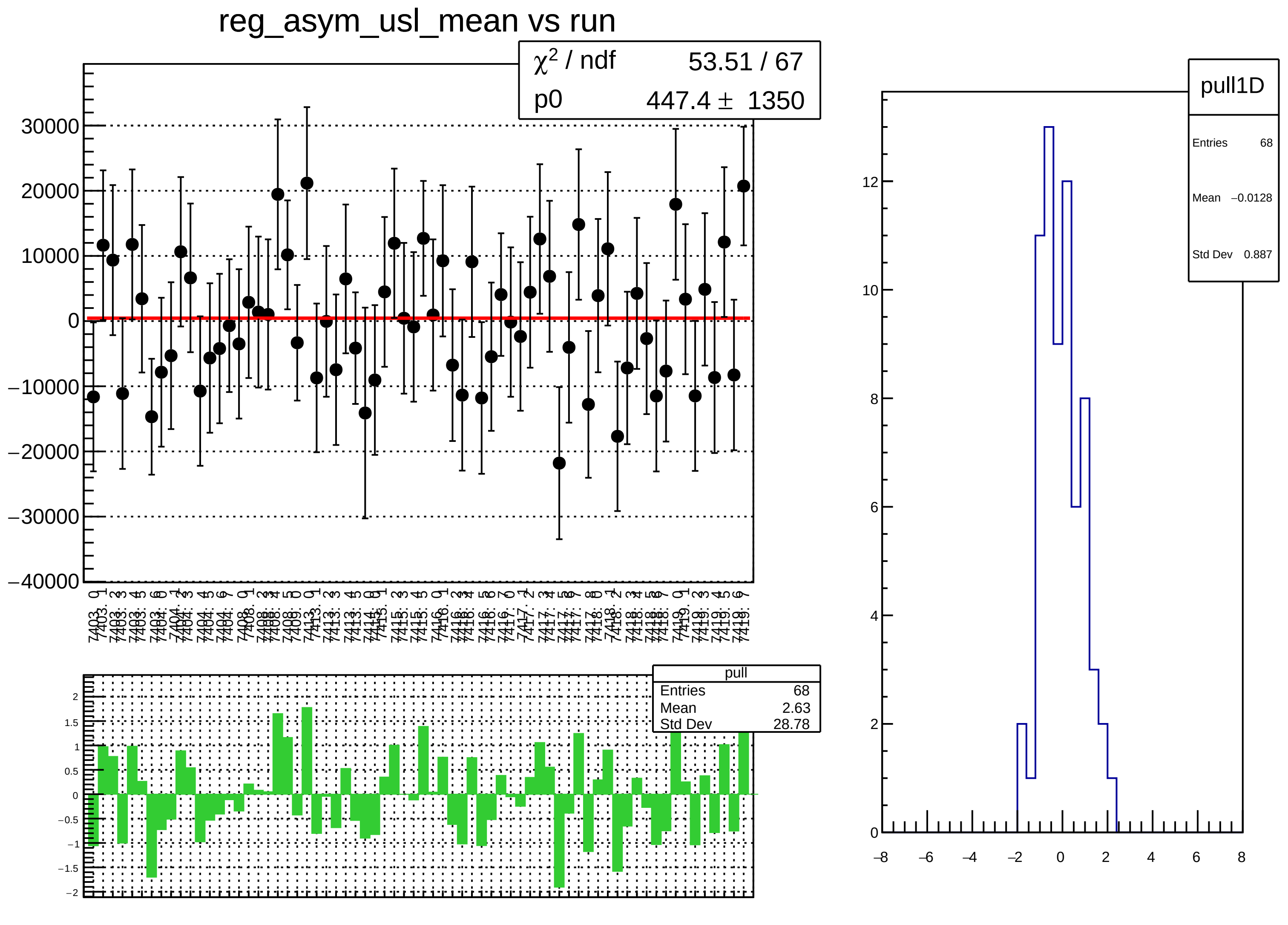

asym_ds_dd_correction_rms vs run
χ2 / ndf 1.399e+05 / 67
p0 1.611 ± 0.001488
0.5
1
1.5
2
2.5
3
3.5
4

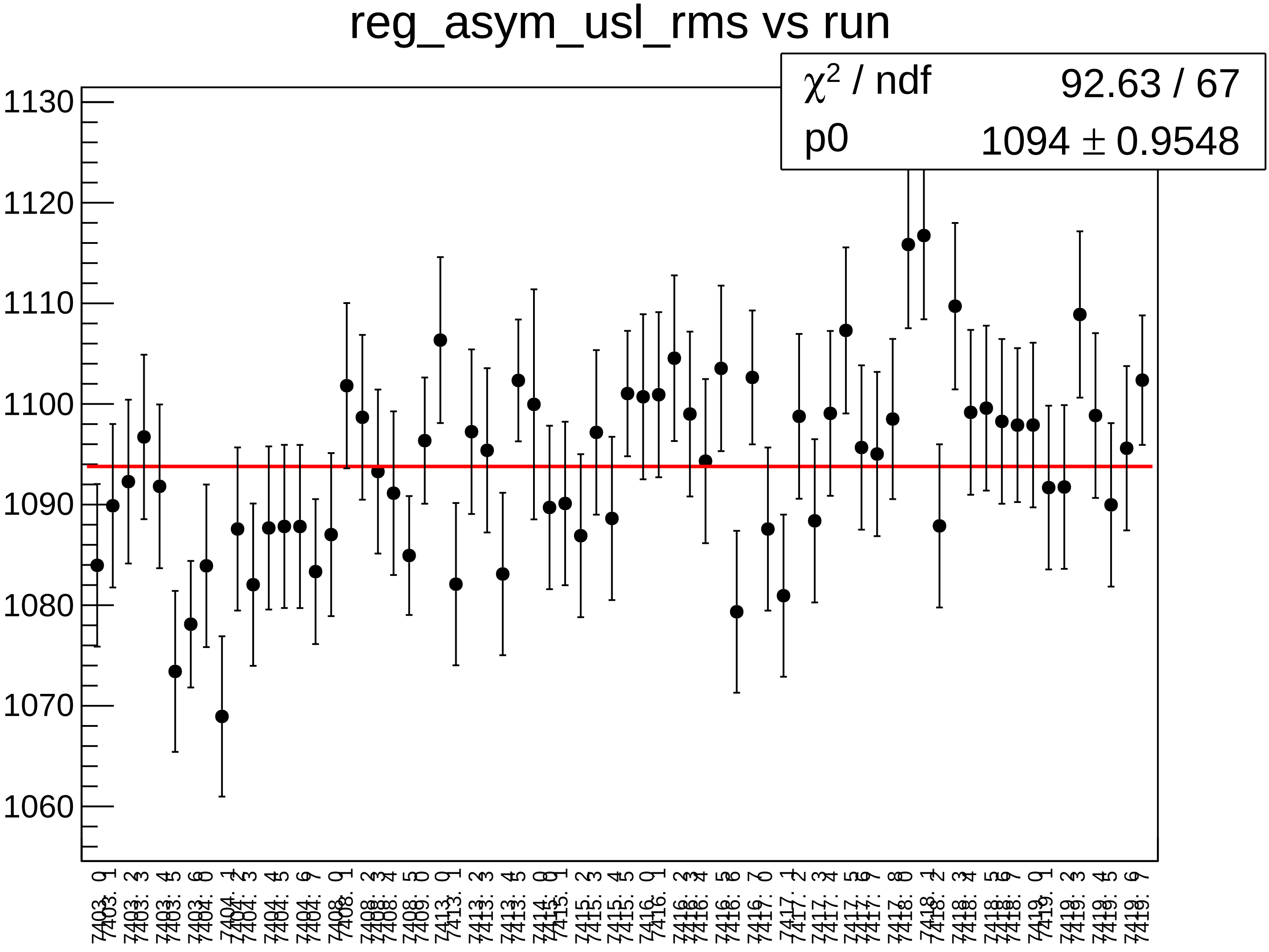


asym_ds_dd_mean vs run
χ^2 / ndf 79.67 / 67
p0 −157.1 ± 103.4
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 68
Mean −432.1
Std Dev 469.5
pull1D
Entries 68
Mean −0.01254
Std Dev 1.082

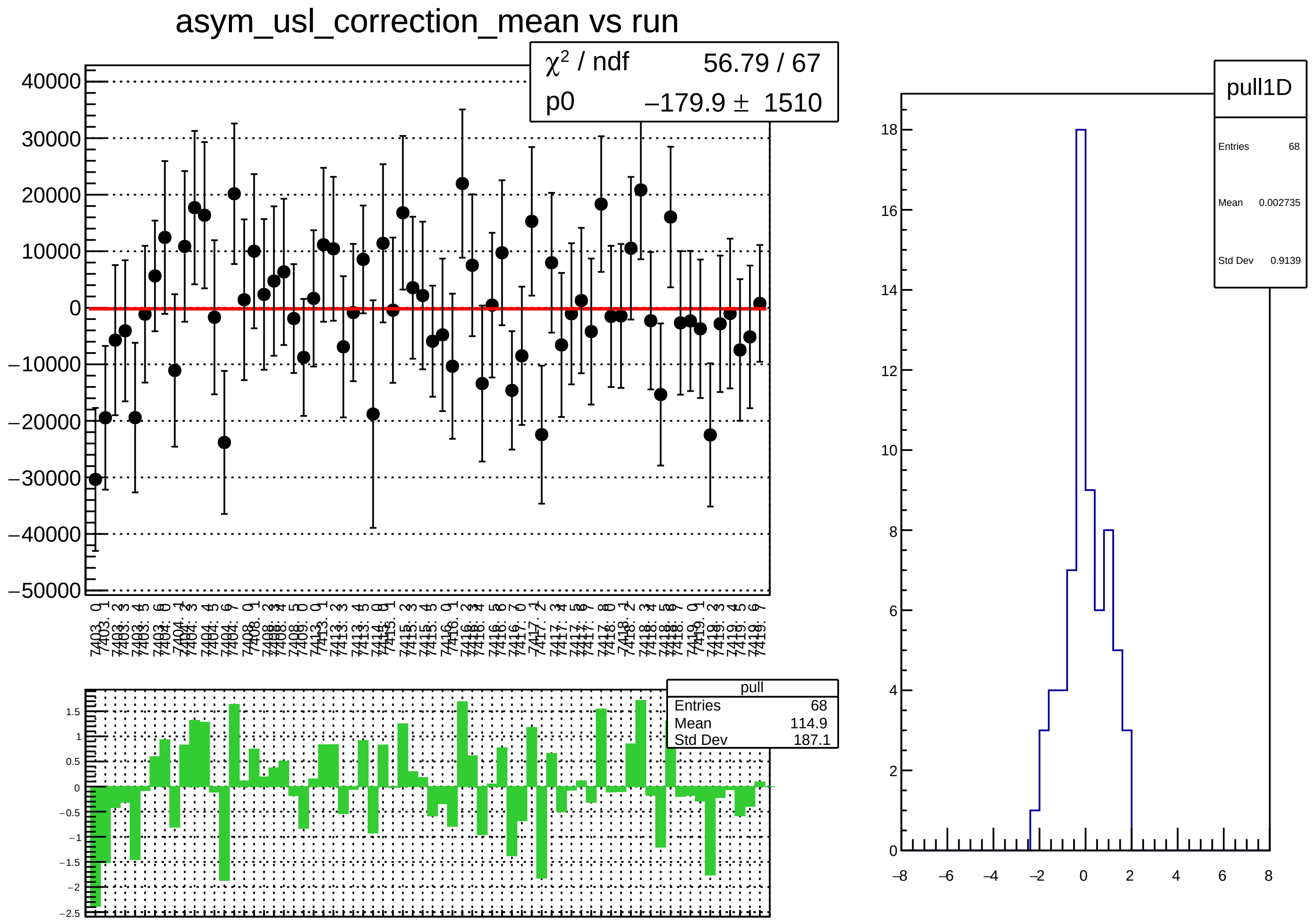


asym_ds_dd_rms vs run
χ^2 / ndf 125.6 / 67
p0 83.75 ± 0.07311
86
85
84
83
82
81

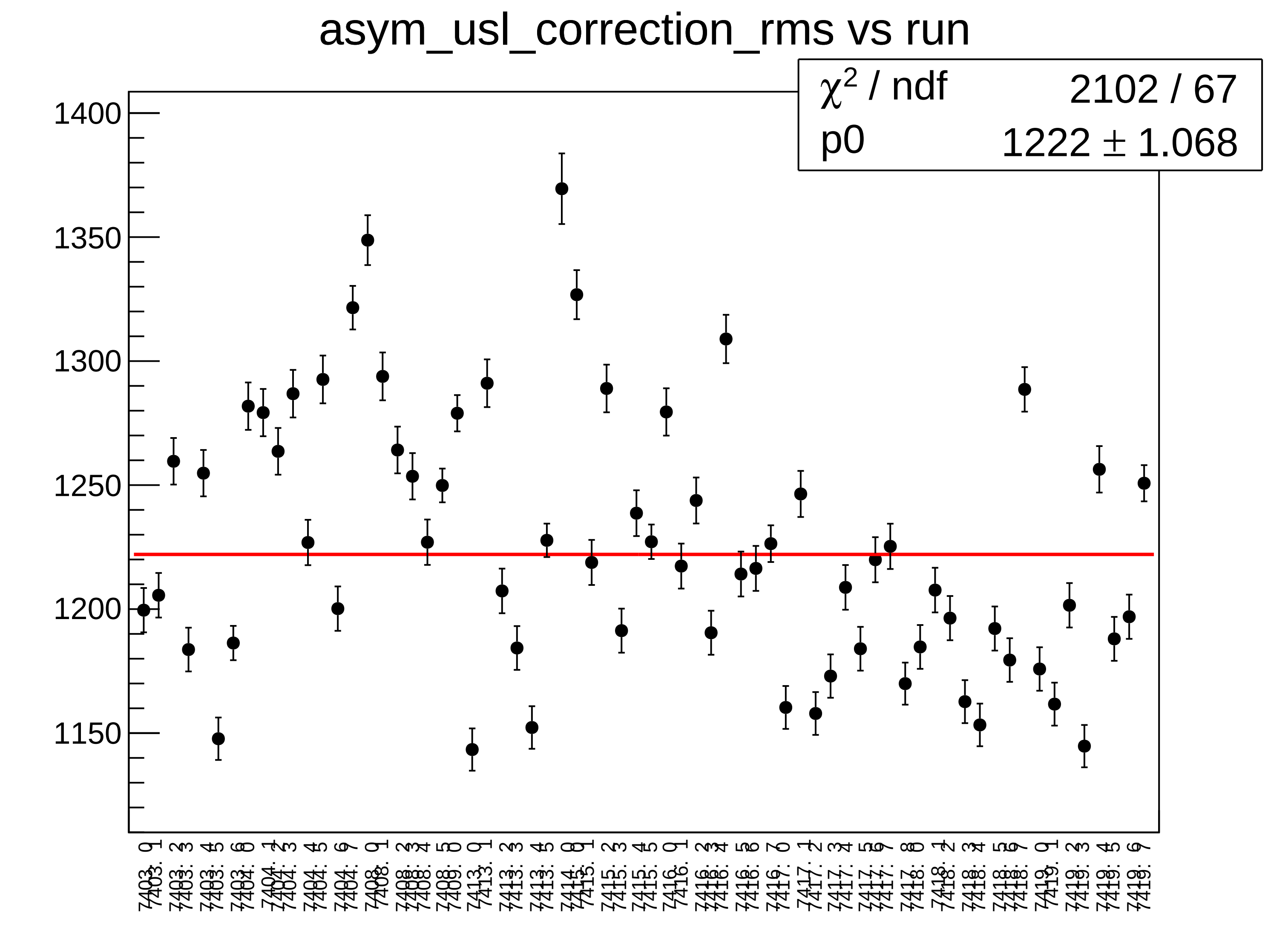

reg_asym_usl_mean vs run
χ^2 / ndf 53.51 / 67
p0 447.4 ± 1350
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 68
Mean 2.63
Std Dev 28.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.0128
Std Dev 0.887
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

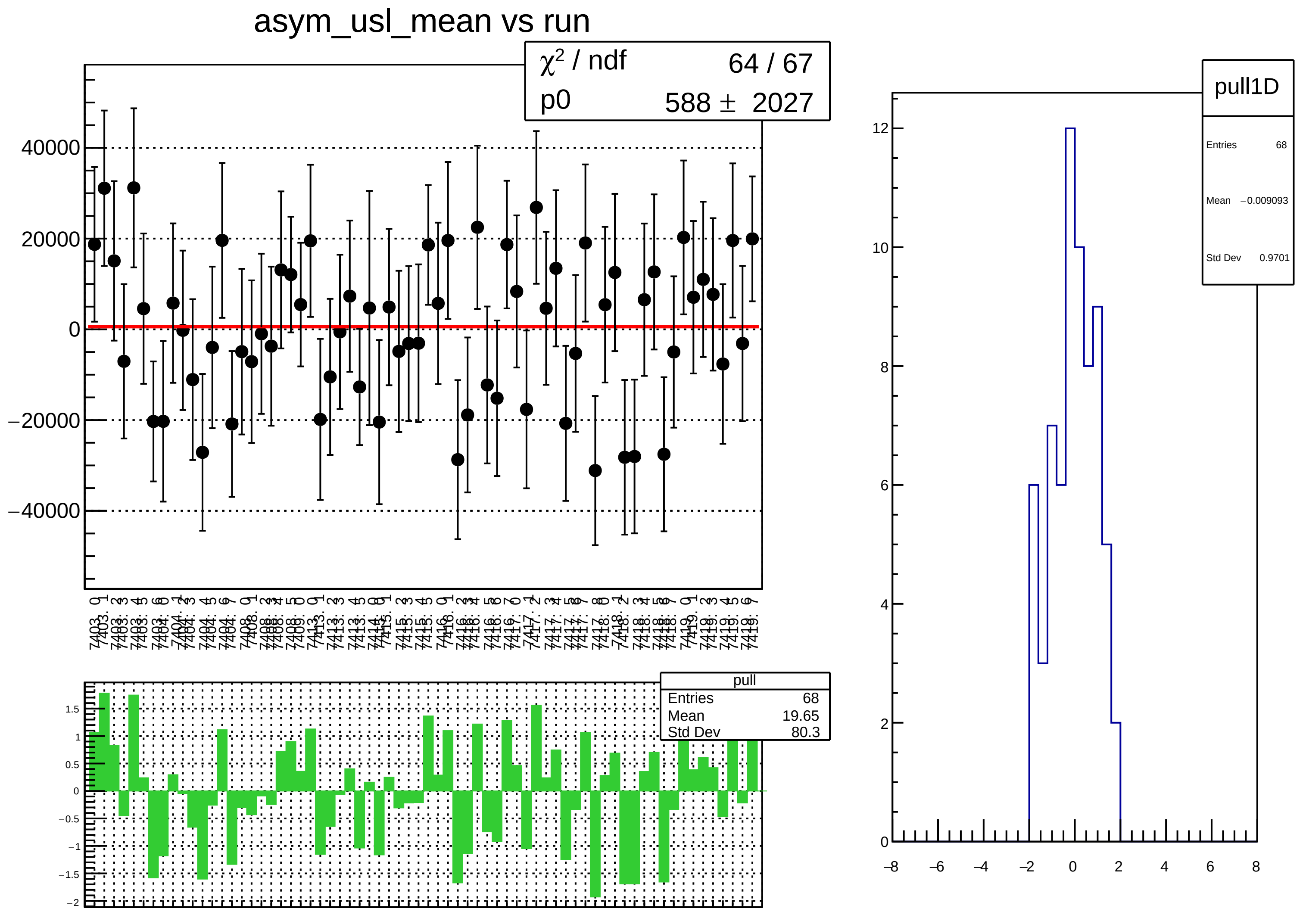


reg_asym_usl_rms vs run
χ^2 / ndf 92.63 / 67
p0 1094 ± 0.9548
1130
1120
1110
1100
1090
1080
1070
1060

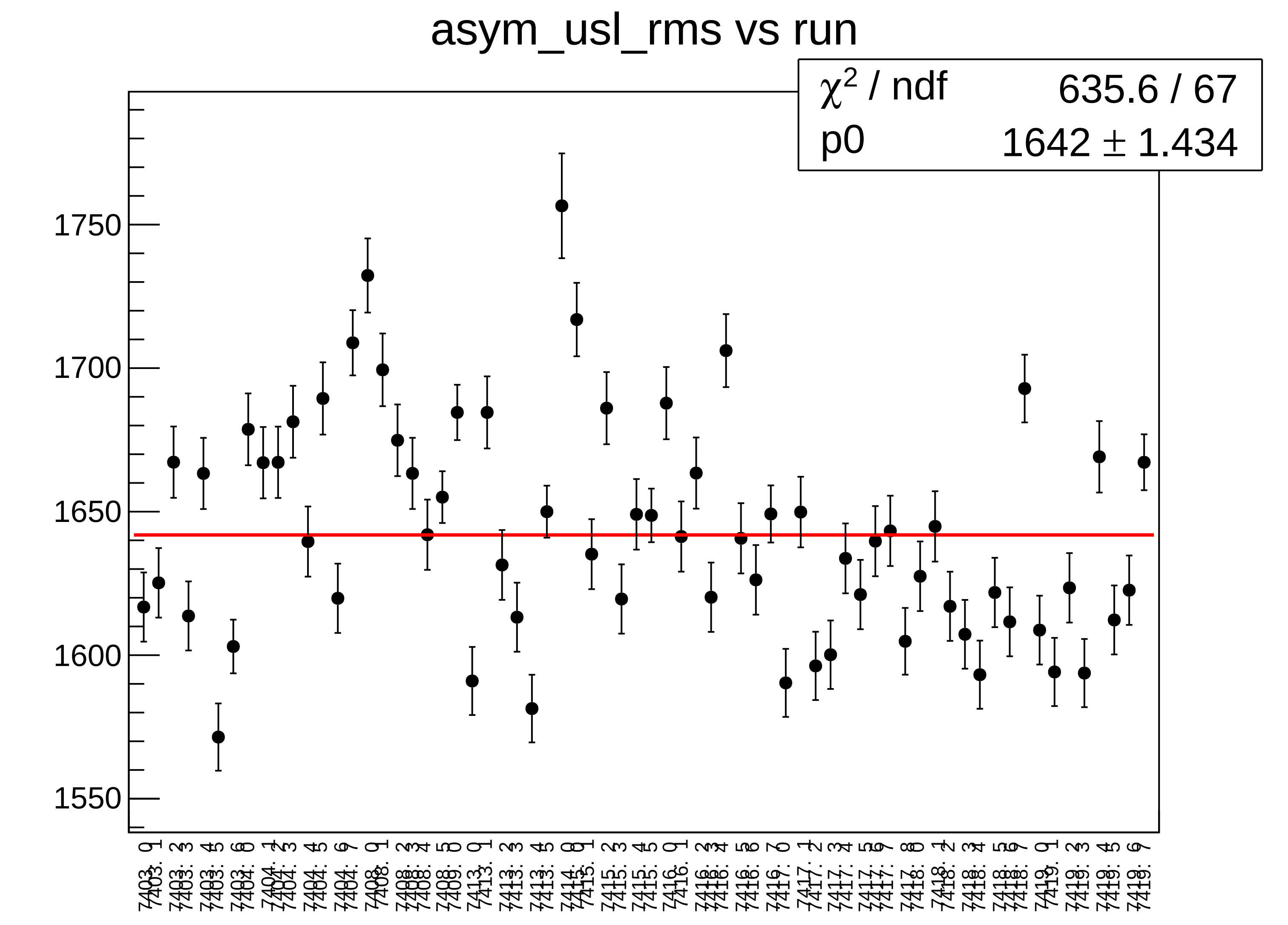


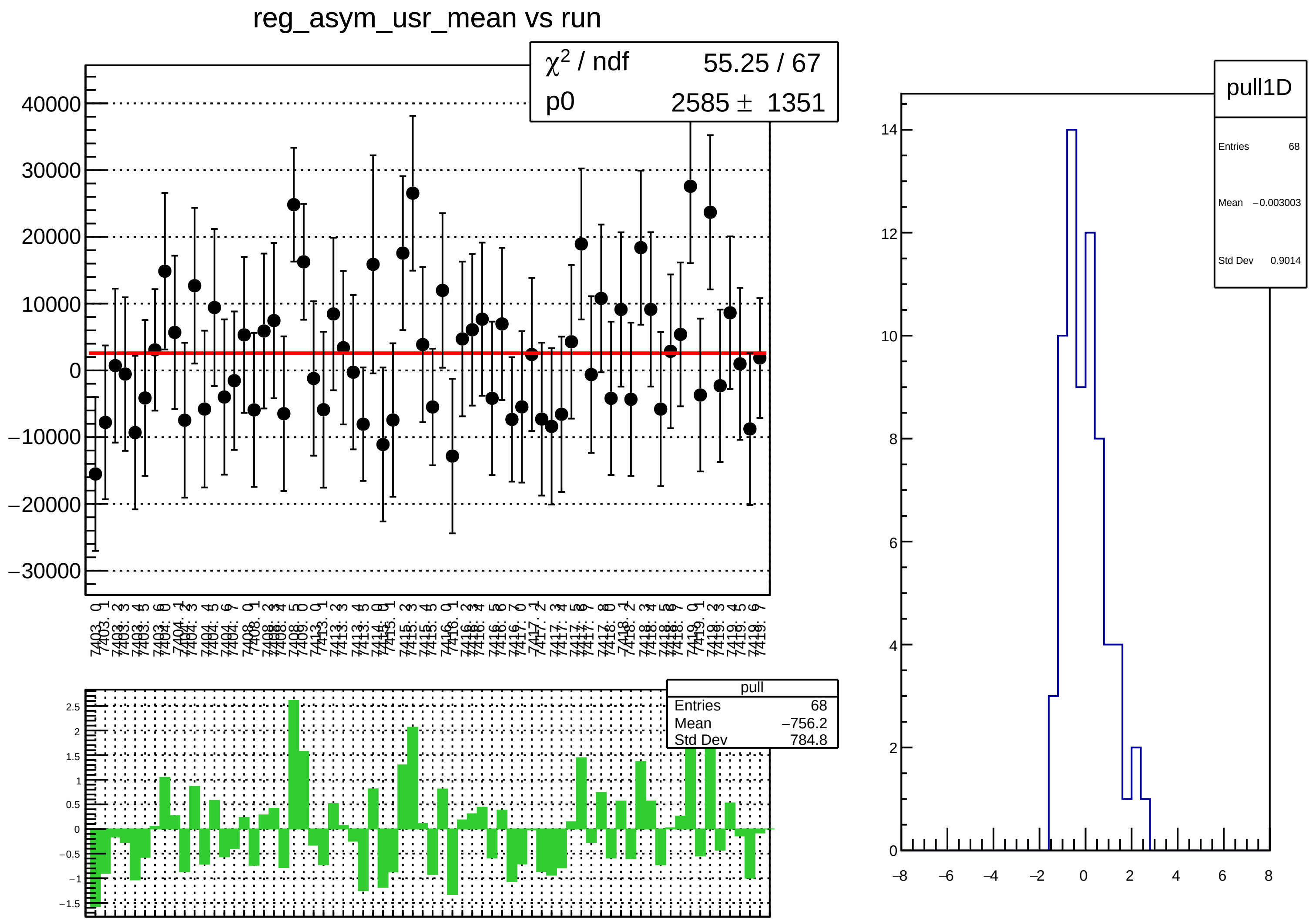
asym_usl_correction_mean vs run
χ2 / ndf 56.79 / 67
p0 −179.9 ± 1510
pull
Entries 68
Mean 114.9
Std Dev 187.1
pull1D
Entries 68
Mean 0.002735
Std Dev 0.9139


asym_usl_correction_rms vs run
χ2 / ndf 2102 / 67
p0 1222 ± 1.068
1400
1350
1300
1250
1200
1150

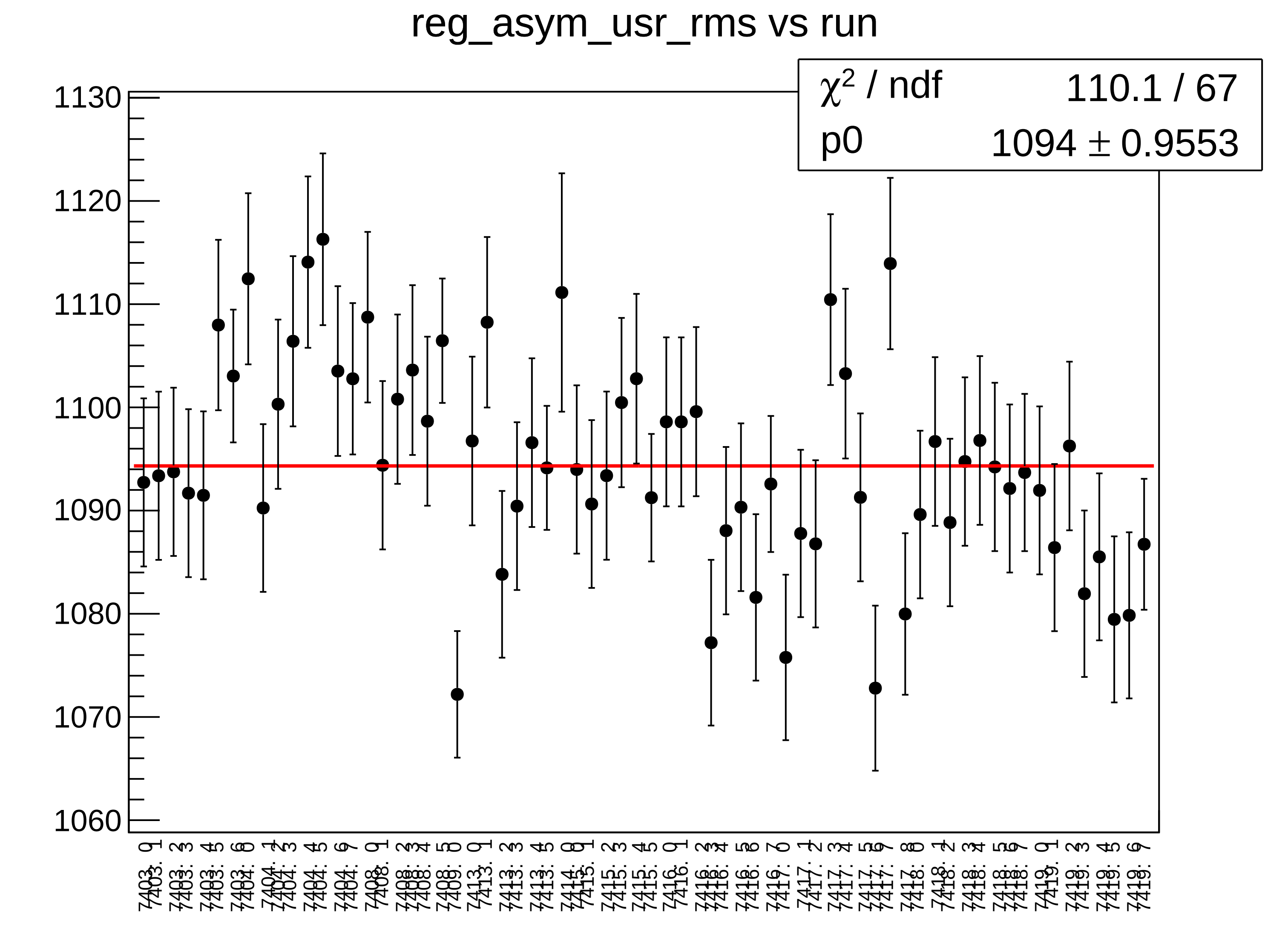


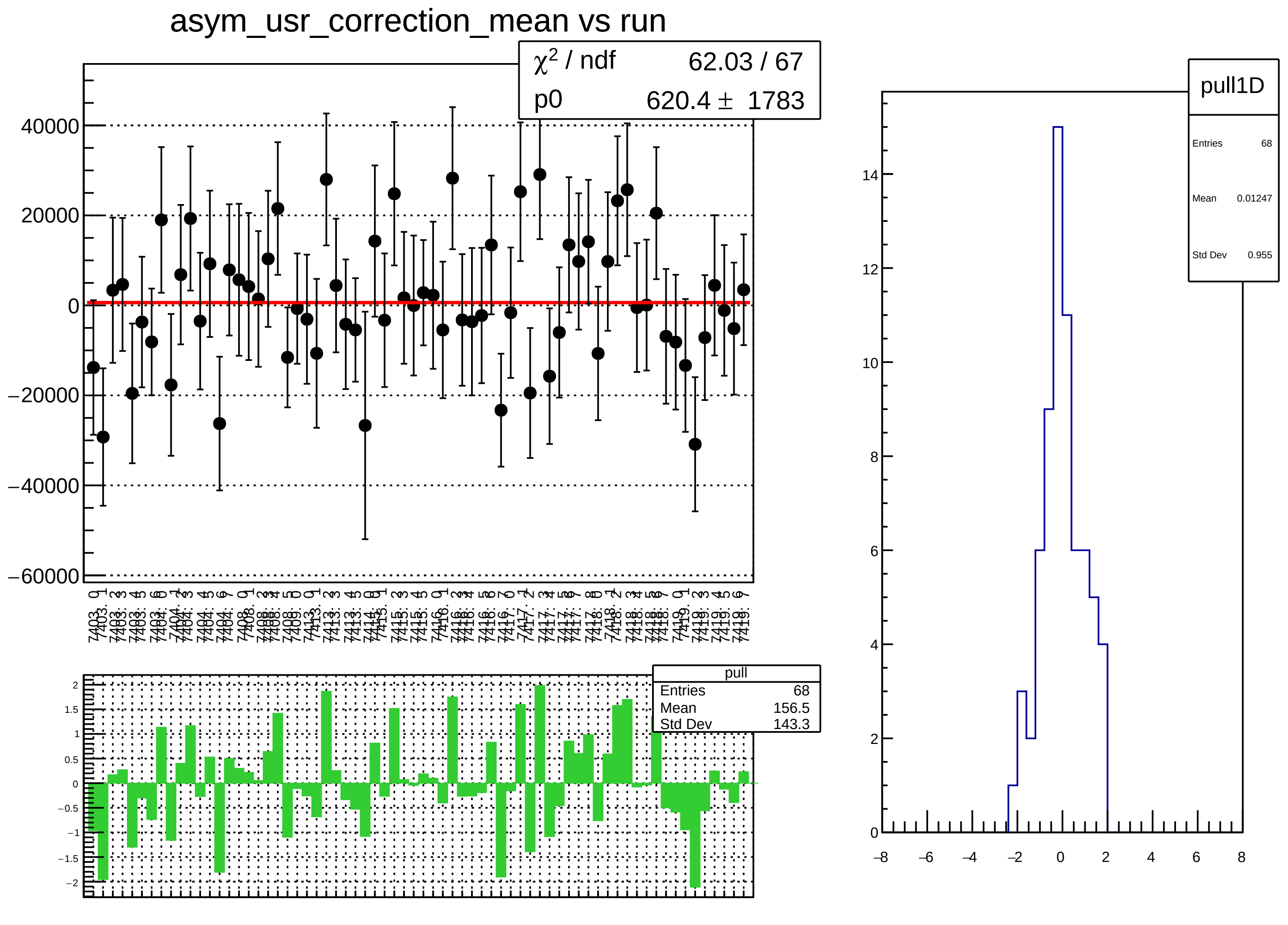
asym_usl_mean vs run
χ^2 / ndf 64 / 67
p0 588 ± 2027
pull
Entries 68
Mean 19.65
Std Dev 80.3
pull1D
Entries 68
Mean −0.009093
Std Dev 0.9701


asym_usl_rms vs run
χ^2 / ndf 635.6 / 67
p0 1642 ± 1.434
1750
1700
1650
1600
1550

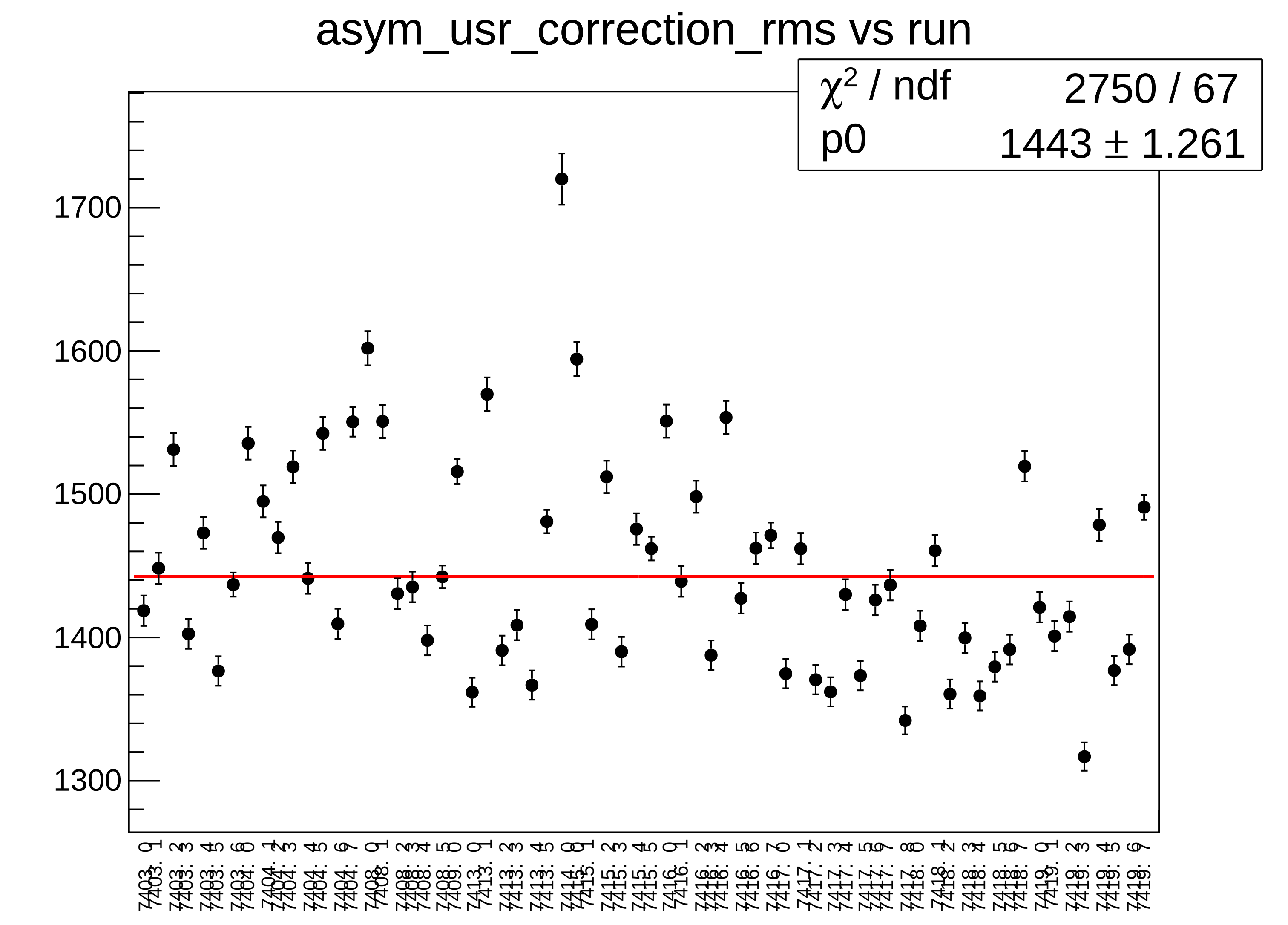


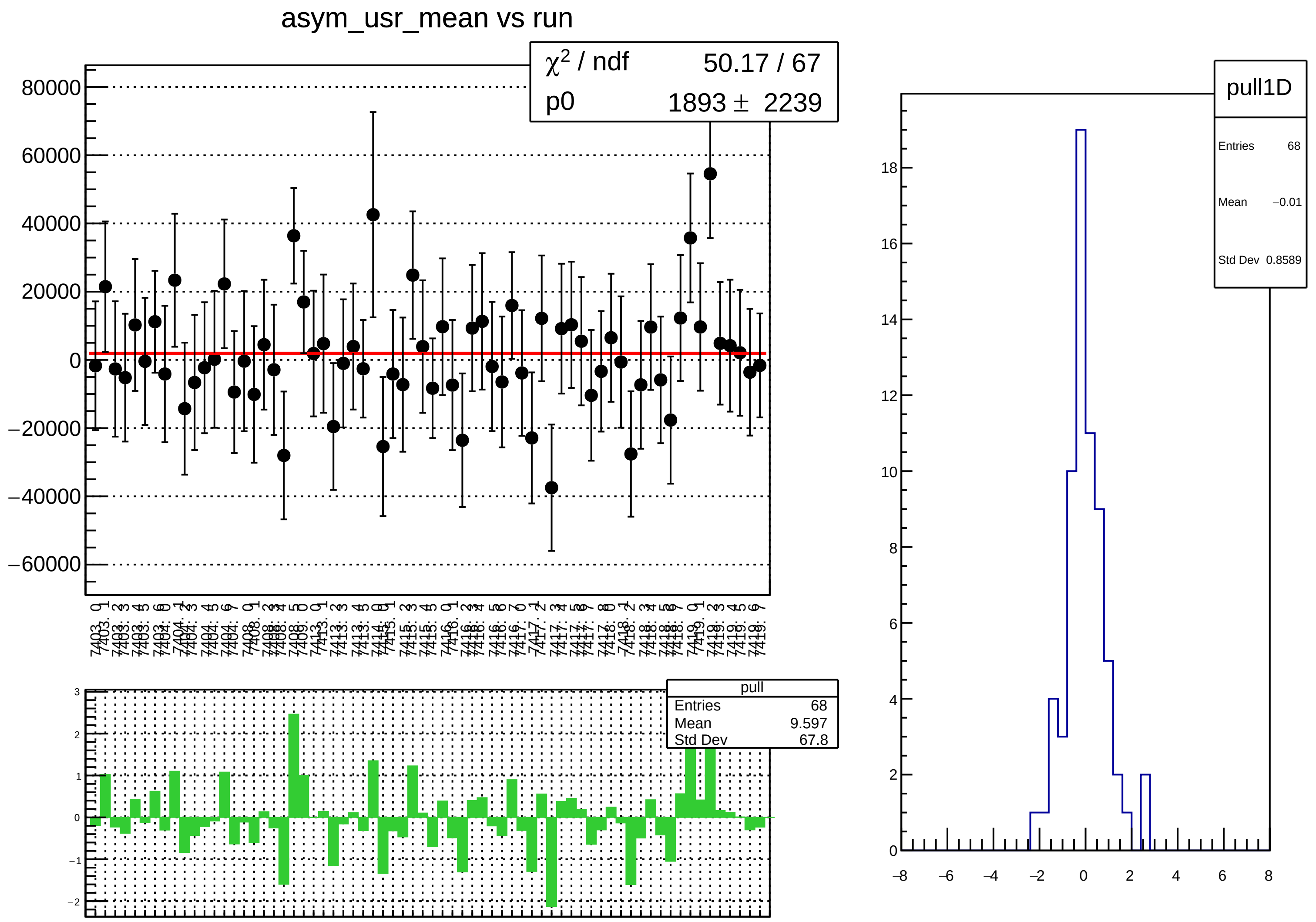
reg_asym_usr_mean vs run
χ^2 / ndf 55.25 / 67
p0 2585 ± 1351
pull
Entries 68
Mean −756.2
Std Dev 784.8
pull1D
Entries 68
Mean −0.003003
Std Dev 0.9014


reg_asym_usr_rms vs run
χ2 / ndf 110.1 / 67
p0 1094 ± 0.9553
1130
1120
1110
1100
1090
1080
1070
1060

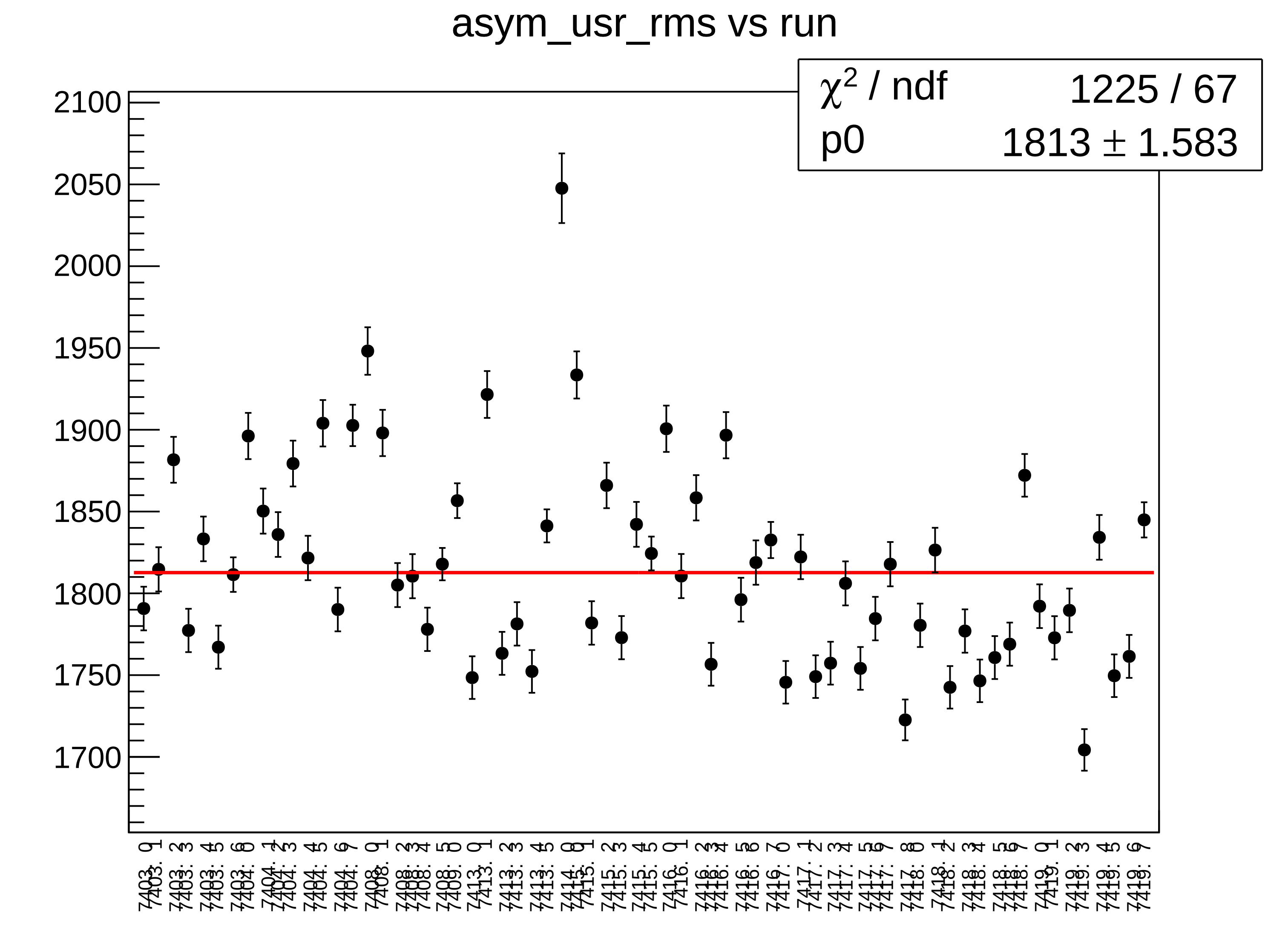


asym_usr_correction_mean vs run
χ2 / ndf 62.03 / 67
p0 620.4 ± 1783
pull
Entries 68
Mean 156.5
Std Dev 143.3
pull1D
Entries 68
Mean 0.01247
Std Dev 0.955

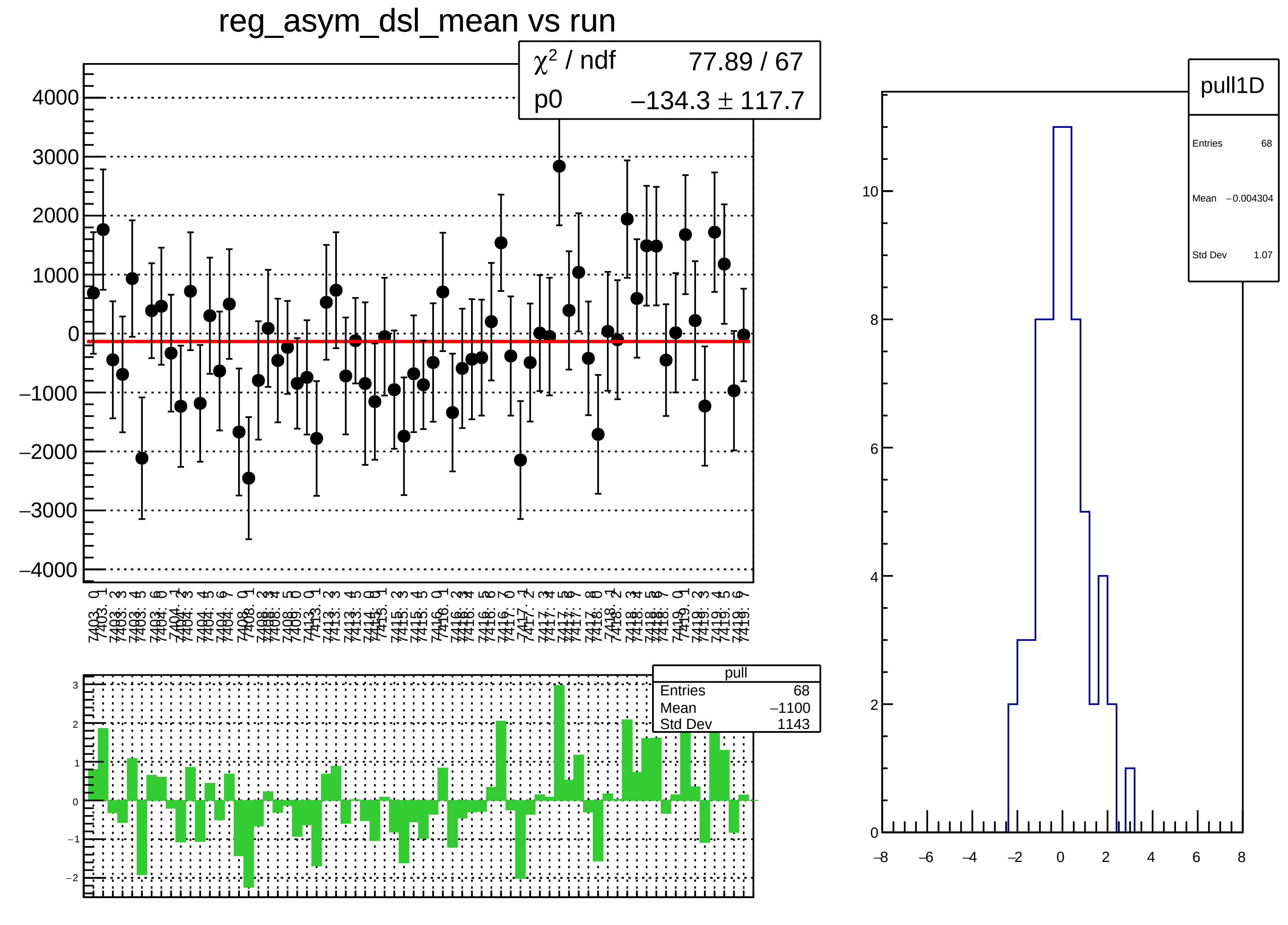

asym_usr_correction_rms vs run
χ^2 / ndf 2750 / 67
p0 1443 ± 1.261
1700
1600
1500
1400
1300

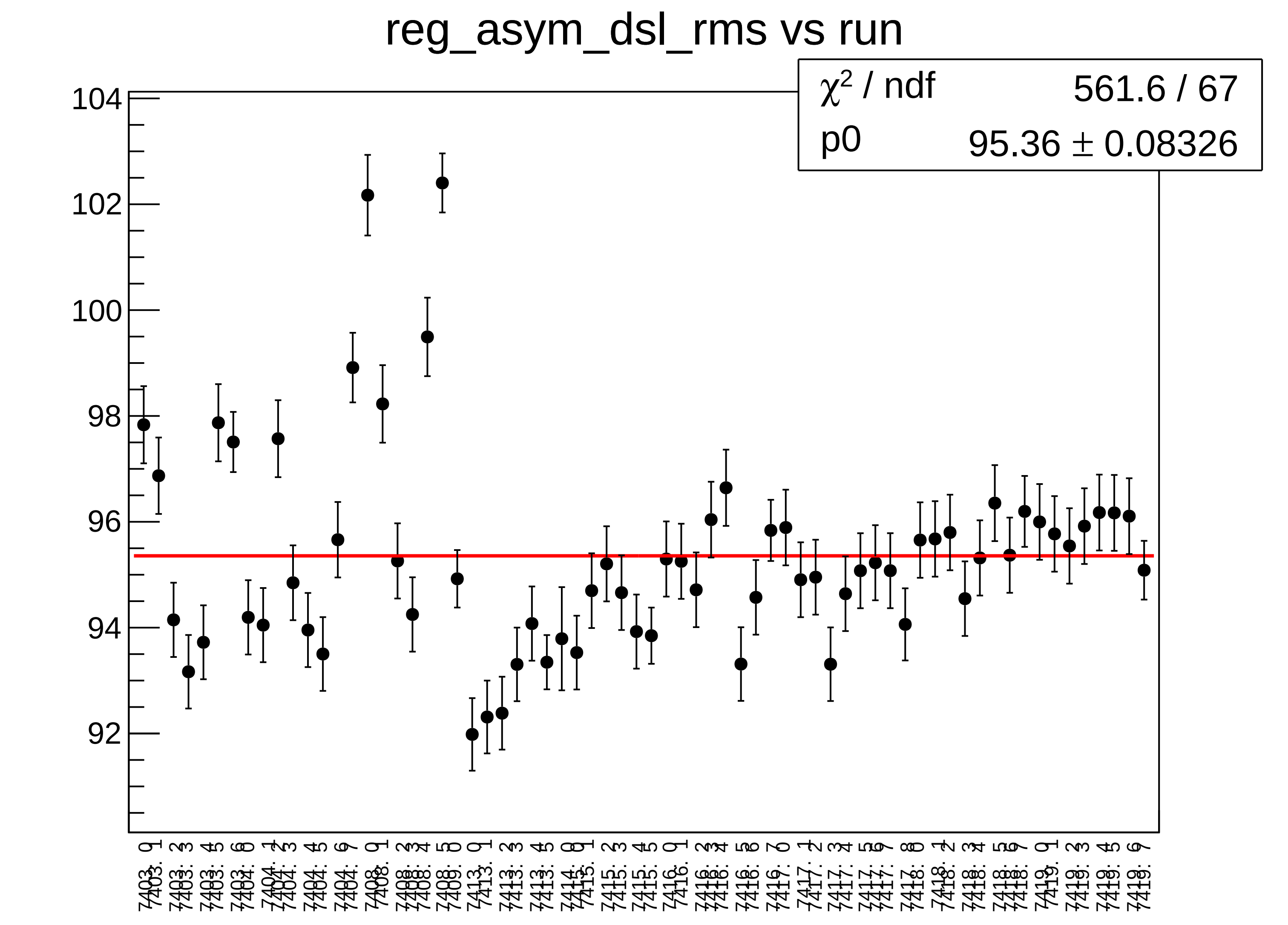


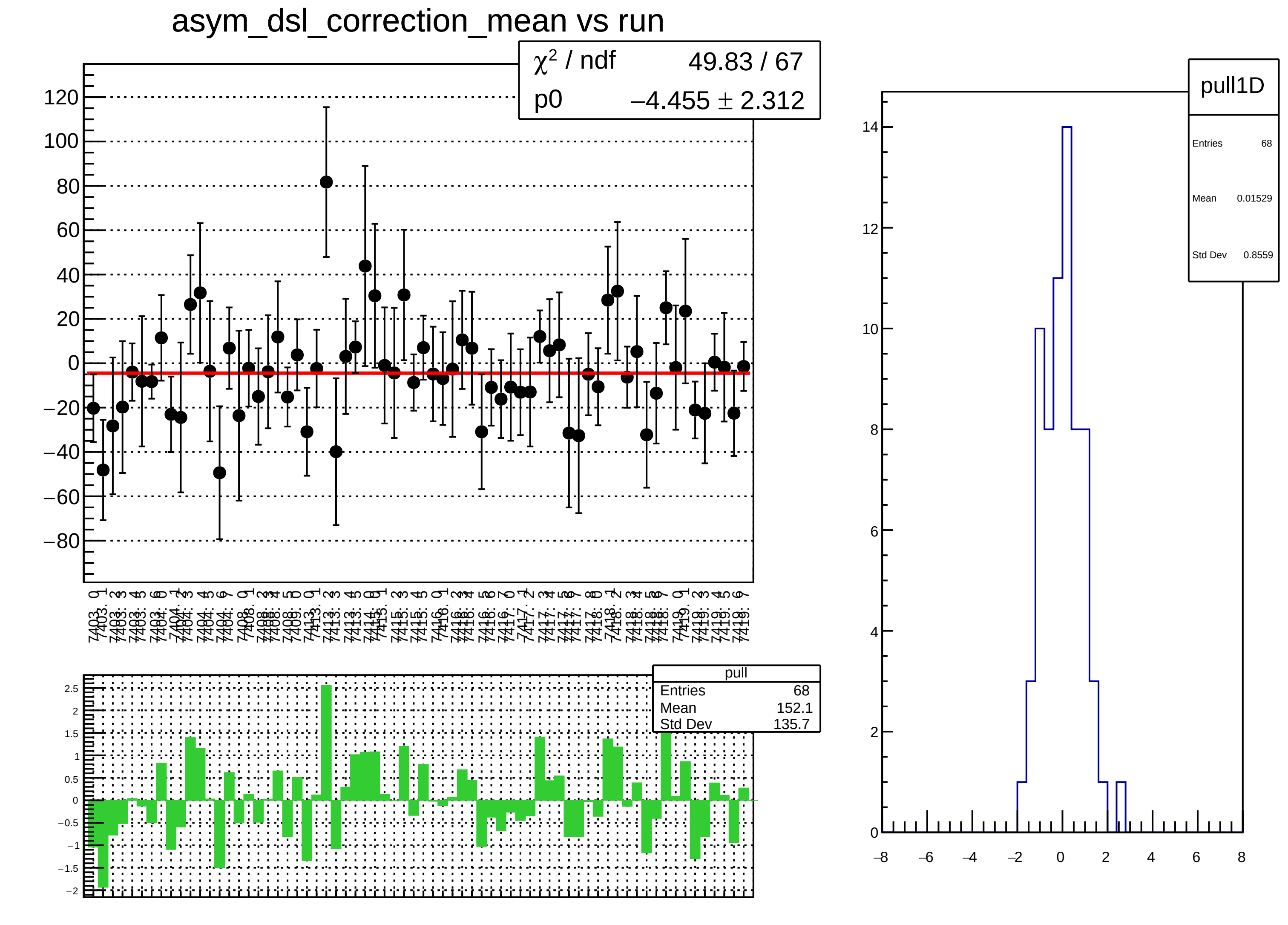
asym_usr_mean vs run
χ2 / ndf 50.17 / 67
p0 1893 ± 2239
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean 9.597
Std Dev 67.8
pull1D
Entries 68
Mean −0.01
Std Dev 0.8589

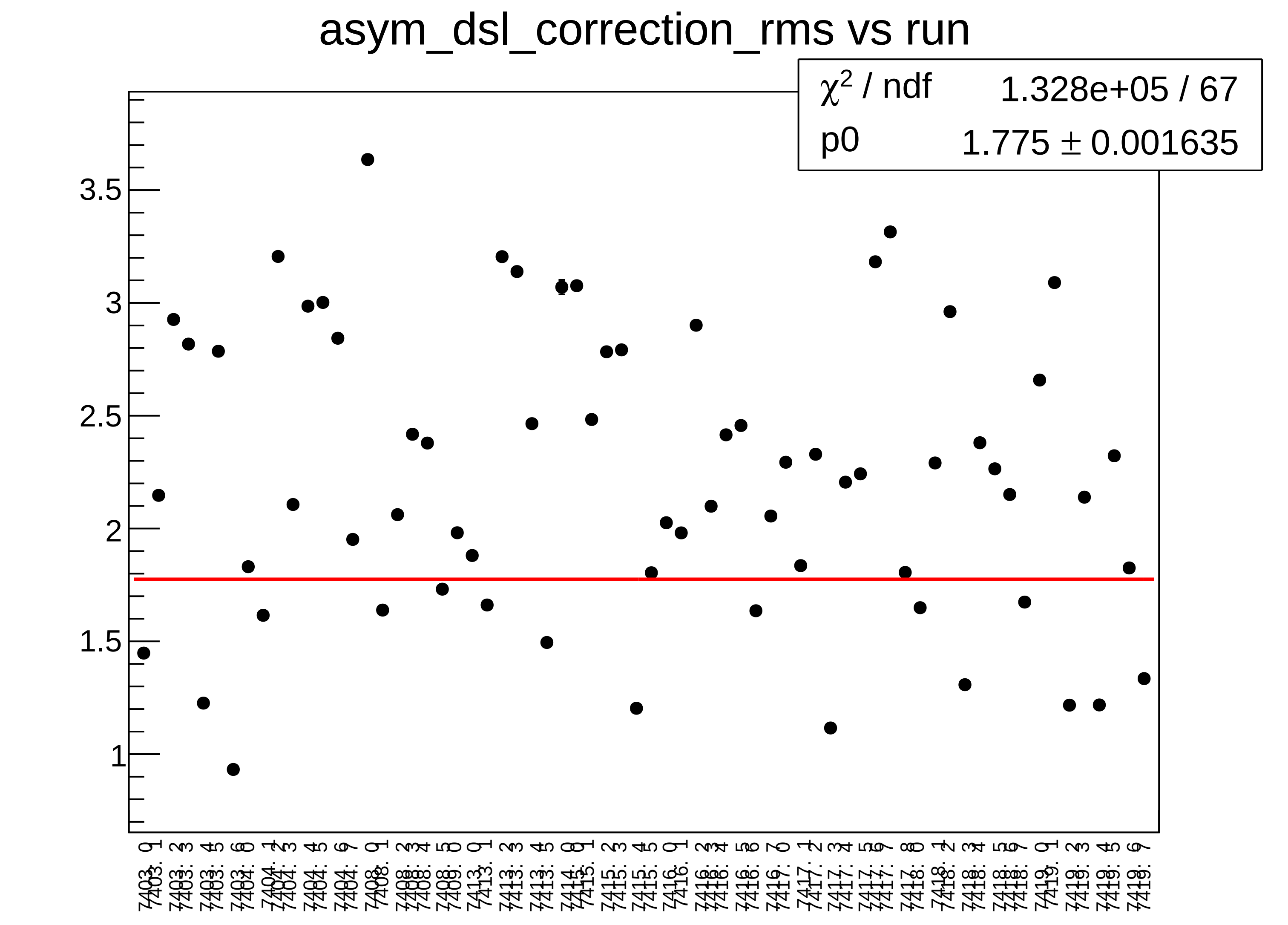


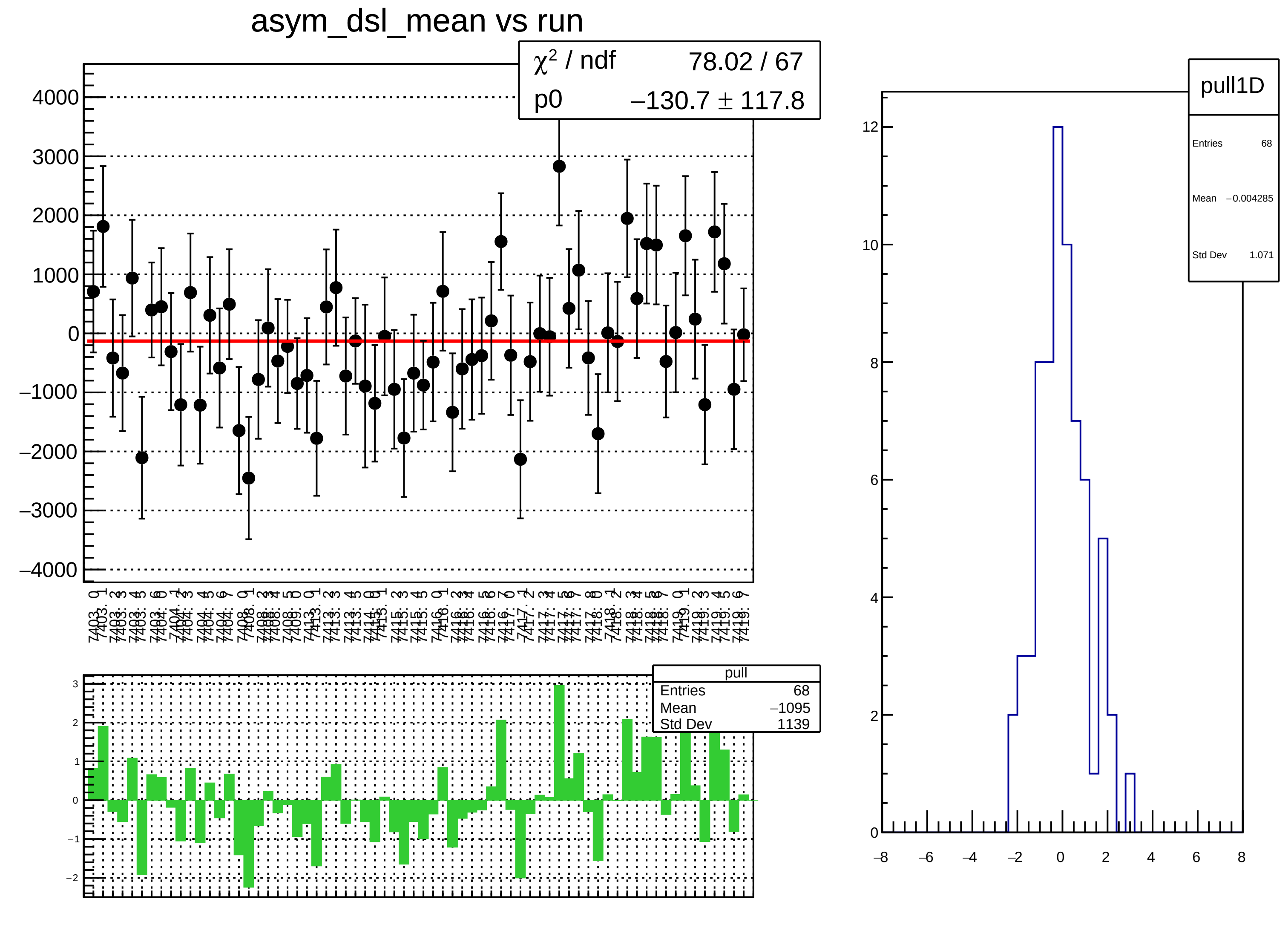
asym_usr_rms vs run
χ^2 / ndf 1225 / 67
p0 1813 ± 1.583
2100
2050
2000
1950
1900
1850
1800
1750
1700

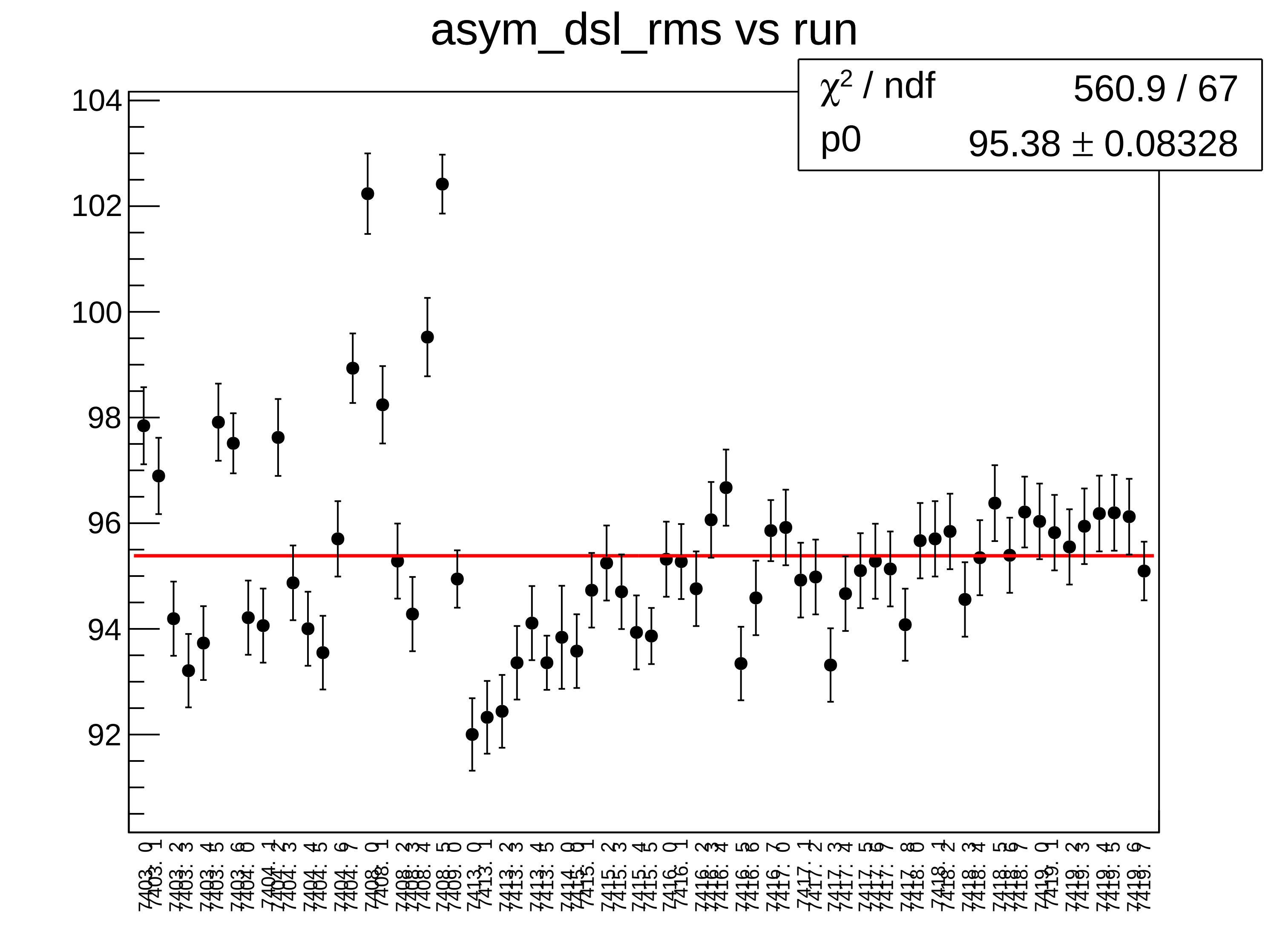

reg_asym_dsl_mean vs run
χ2 / ndf 77.89 / 67
p0 −134.3 ± 117.7
pull
Entries 68
Mean −1100
Std Dev 1143
pull1D
Entries 68
Mean −0.004304
Std Dev 1.07

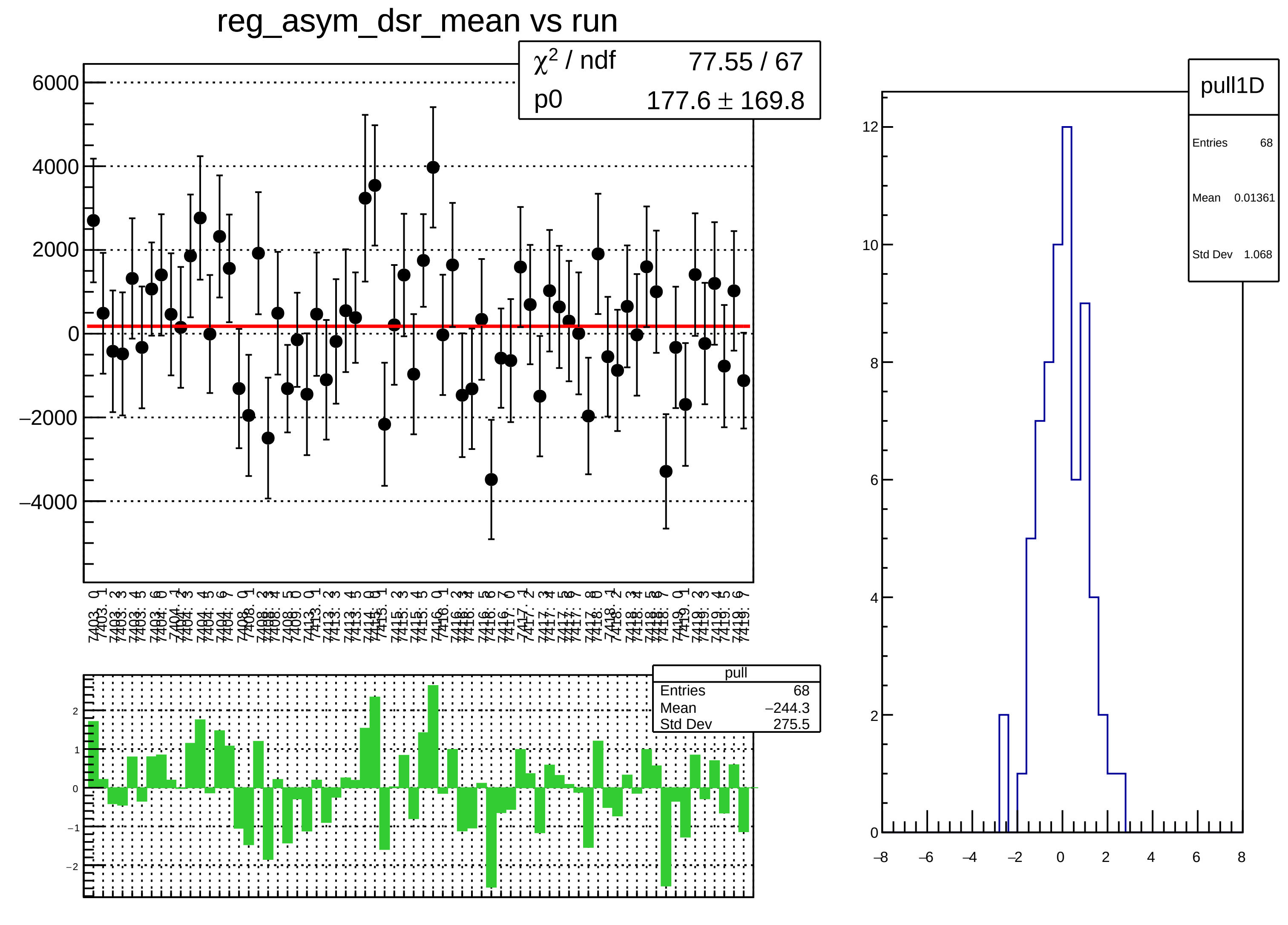

reg_asym_dsl_rms vs run
χ2 / ndf 561.6 / 67
p0 95.36 ± 0.08326
104
102
100
98
96
94
92

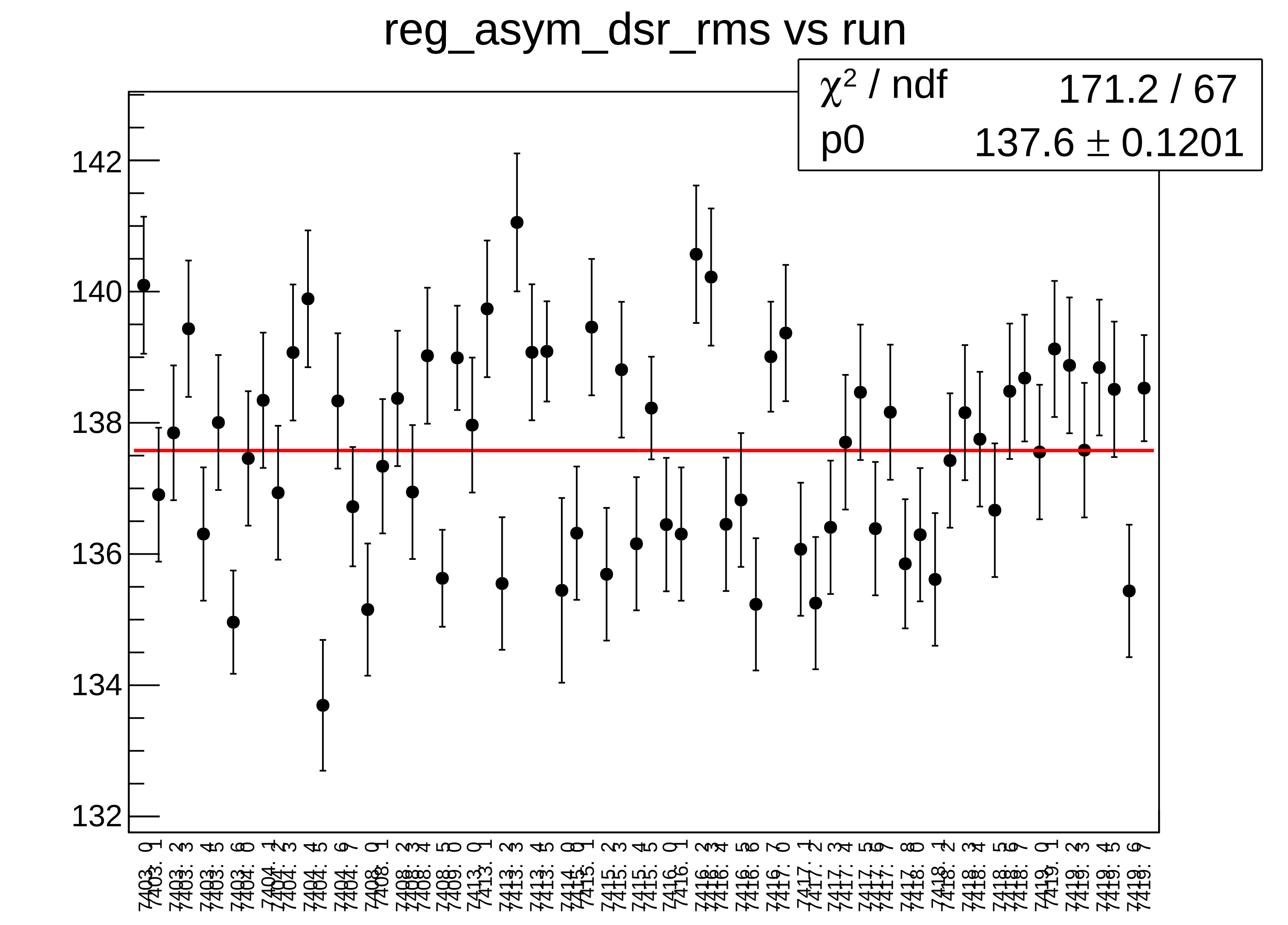

asym_dsl_correction_mean vs run
χ2 / ndf 49.83 / 67
p0 −4.455 ± 2.312
pull
Entries 68
Mean 152.1
Std Dev 135.7
pull1D
Entries 68
Mean 0.01529
Std Dev 0.8559

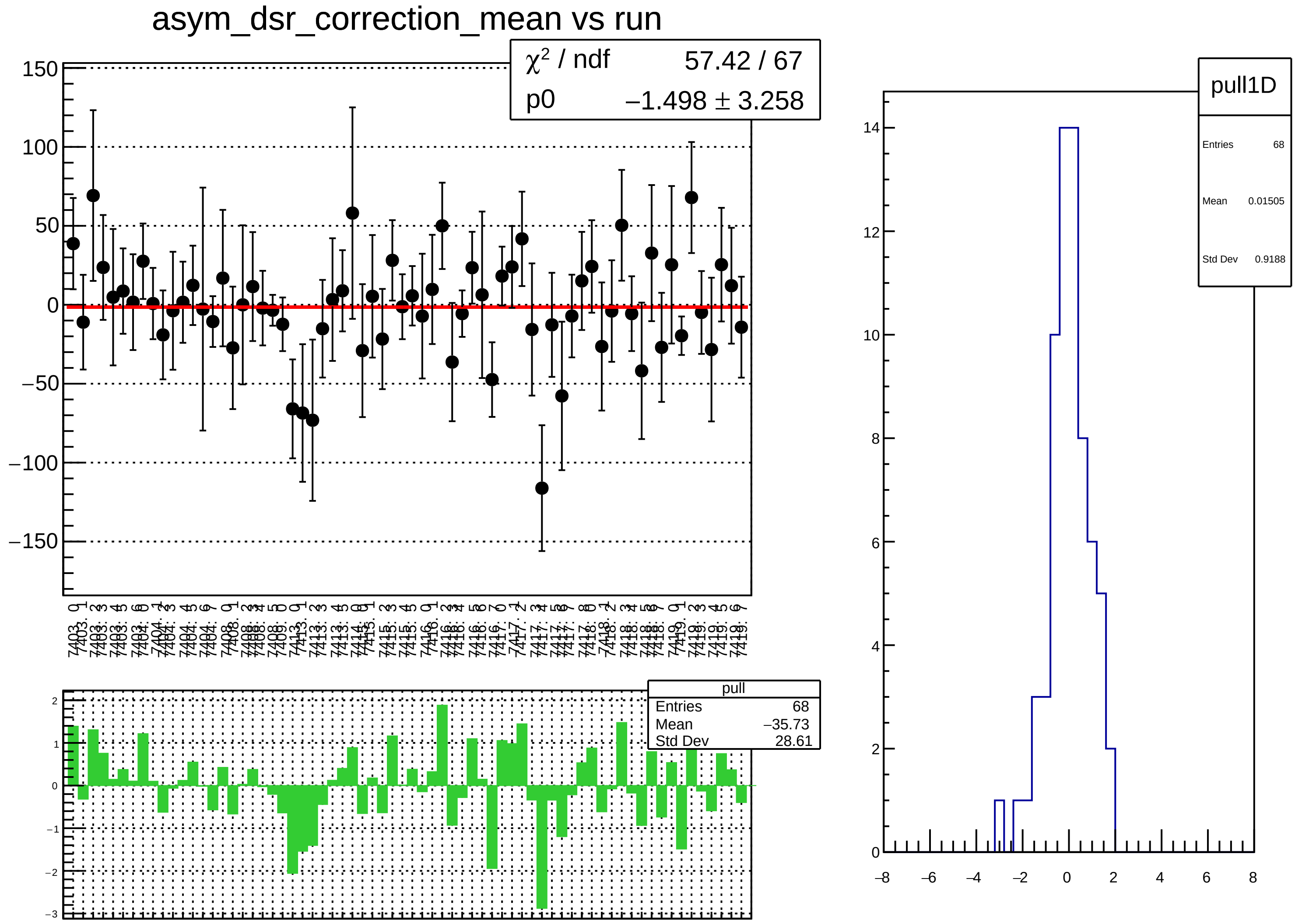

asym_dsl_correction_rms vs run
χ^2 / ndf 1.328e+05 / 67
p0 1.775 ± 0.001635
3.5
3
2.5
2
1.5
1

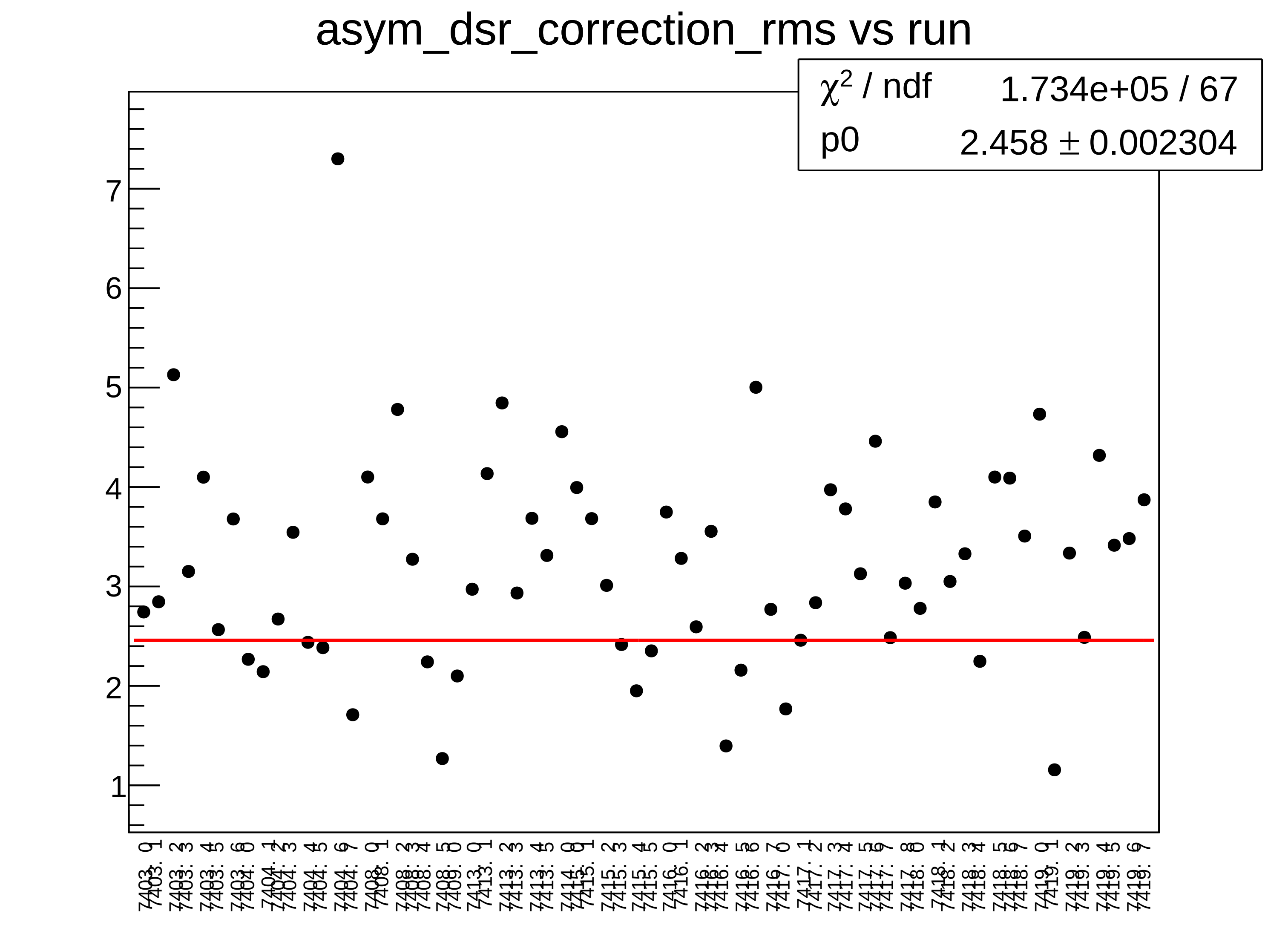

asym_dsl_mean vs run
χ^2 / ndf 78.02 / 67
p0 −130.7 ± 117.8
pull
Entries 68
Mean −1095
Std Dev 1139
pull1D
Entries 68
Mean −0.004285
Std Dev 1.071

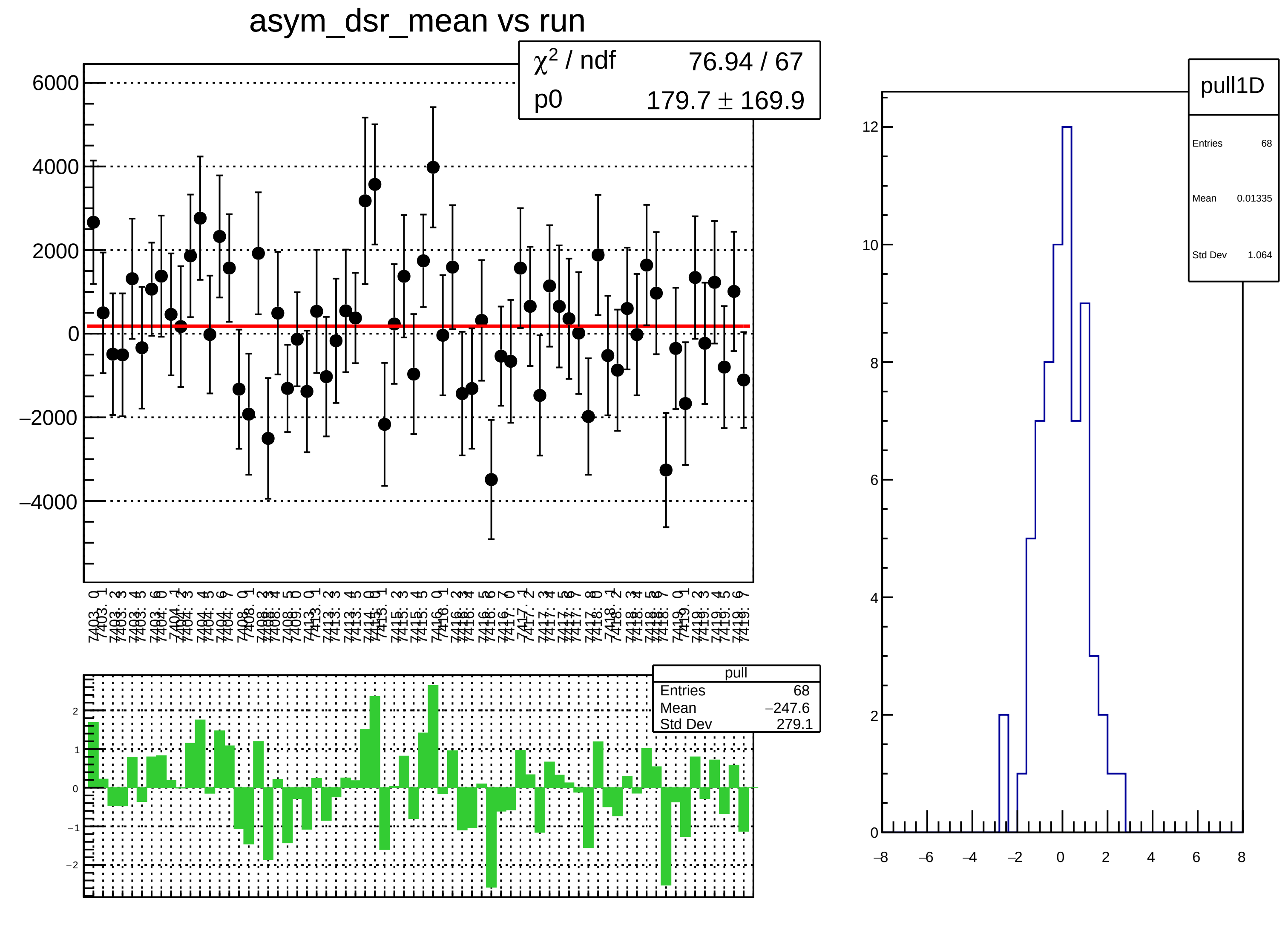

asym_dsl_rms vs run
χ^2 / ndf 560.9 / 67
p0 95.38 ± 0.08328
104
102
100
98
96
94
92


reg_asym_dsr_mean vs run
χ^2 / ndf 77.55 / 67
p0 177.6 ± 169.8
pull
Entries 68
Mean −244.3
Std Dev 275.5
pull1D
Entries 68
Mean 0.01361
Std Dev 1.068

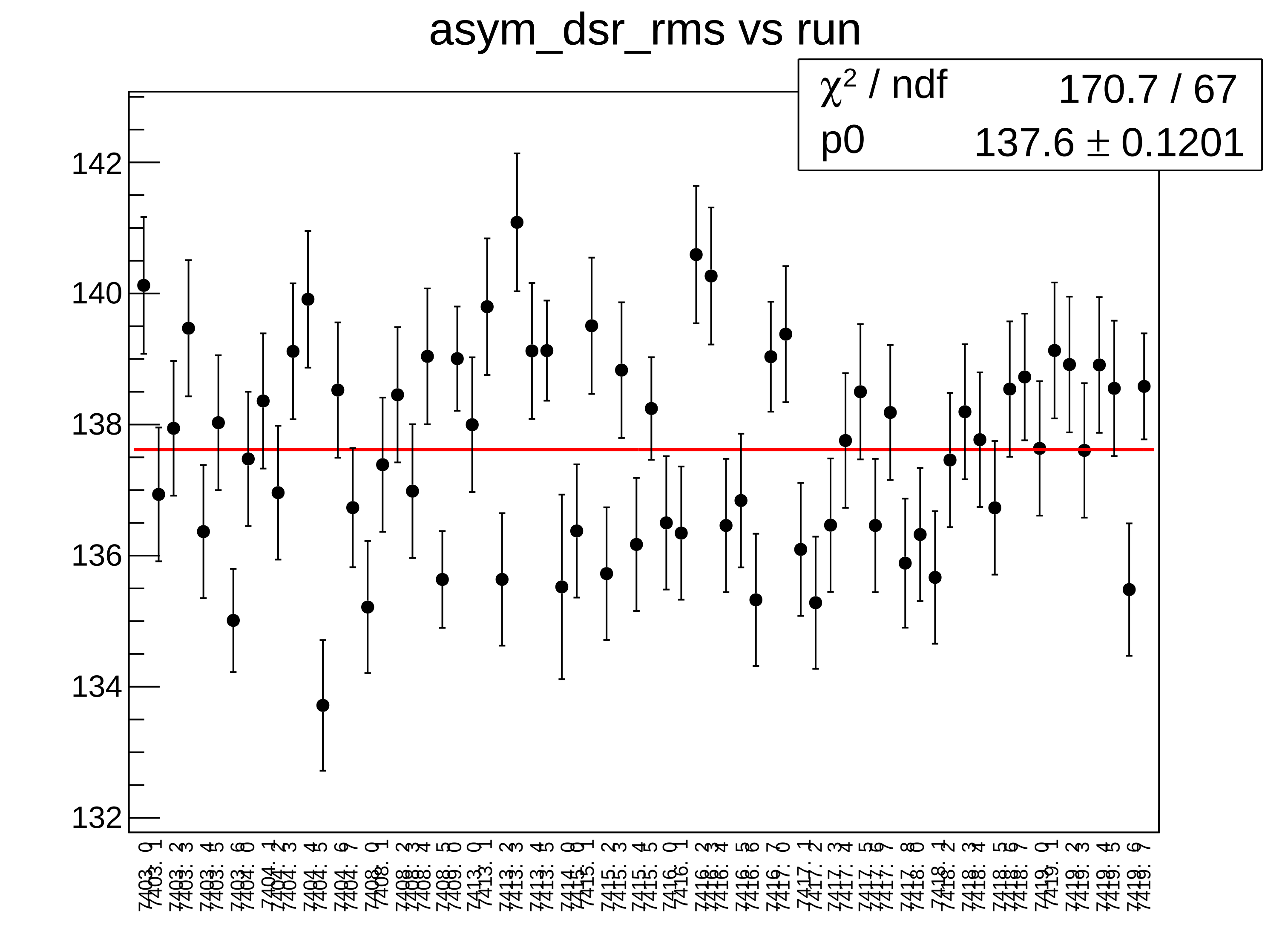

reg_asym_dsr_rms vs run
χ² / ndf 171.2 / 67
p0 137.6 ± 0.1201
142
140
138
136
134
132


asym_dsr_correction_mean vs run
χ^2 / ndf 57.42 / 67
p0 −1.498 ± 3.258
pull
Entries 68
Mean −35.73
Std Dev 28.61
pull1D
Entries 68
Mean 0.01505
Std Dev 0.9188

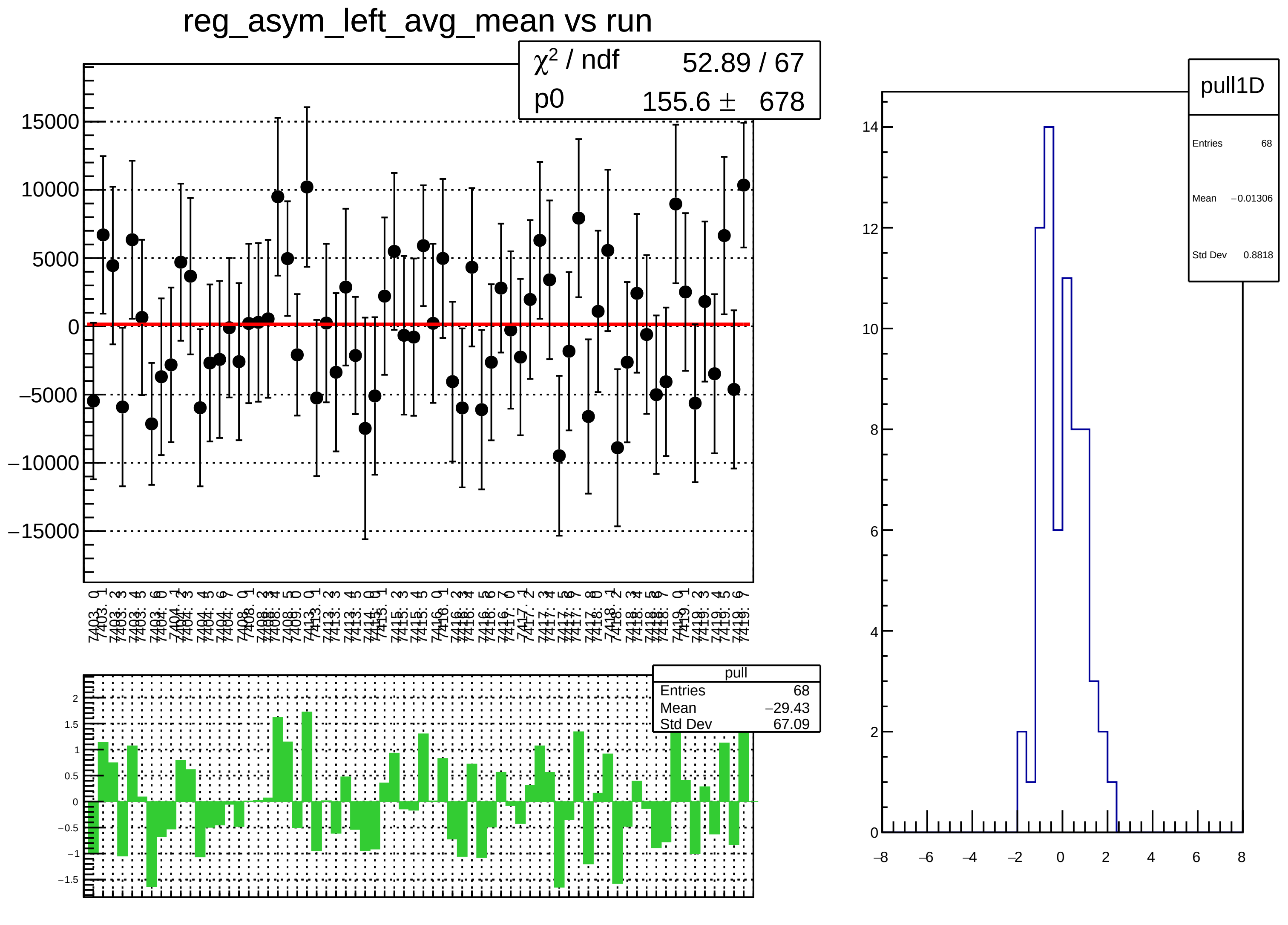

asym_dsr_correction_rms vs run
χ^2 / ndf 1.734e+05 / 67
p0 2.458 ± 0.002304
1
2
3
4
5
6
7

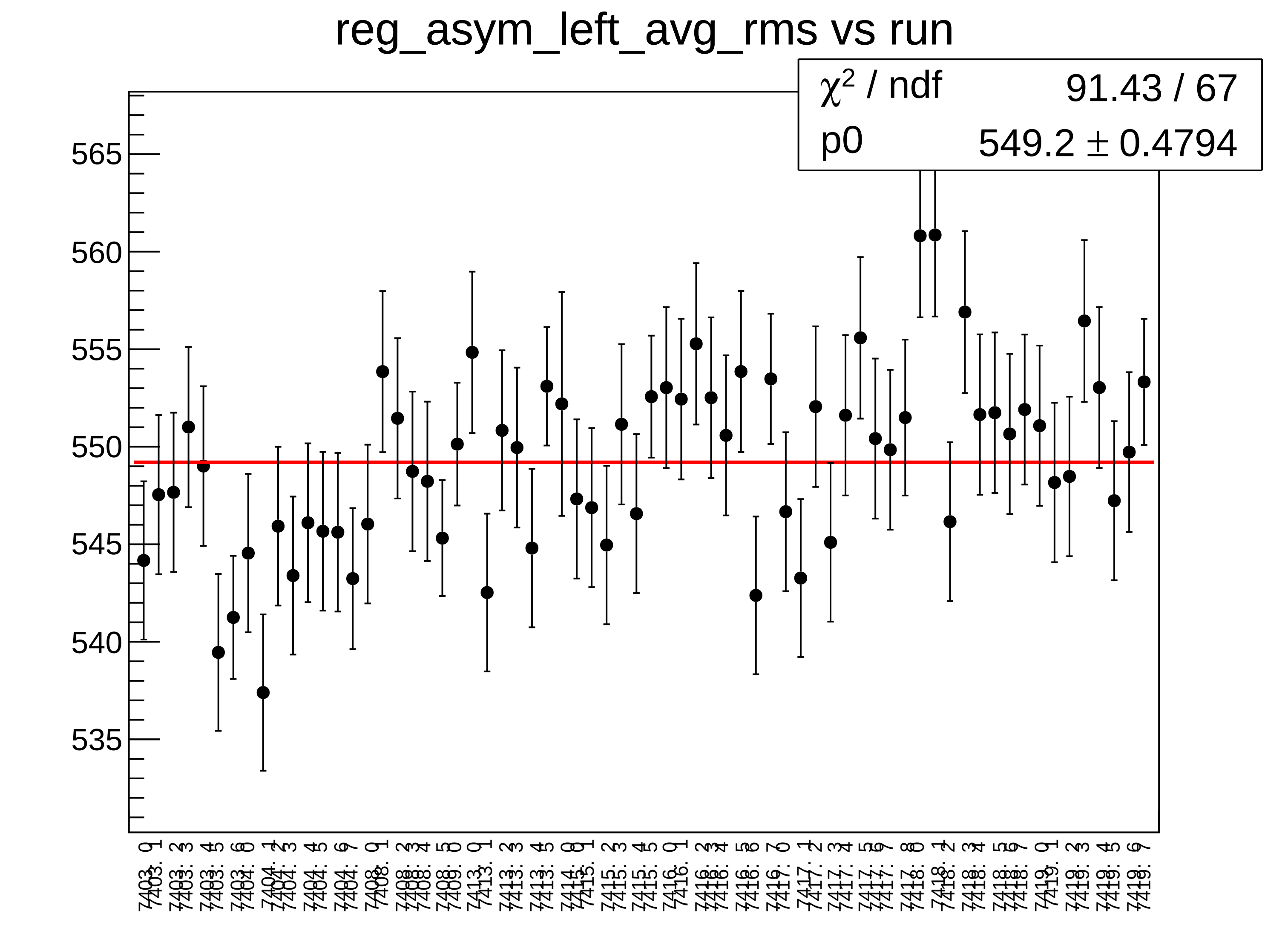


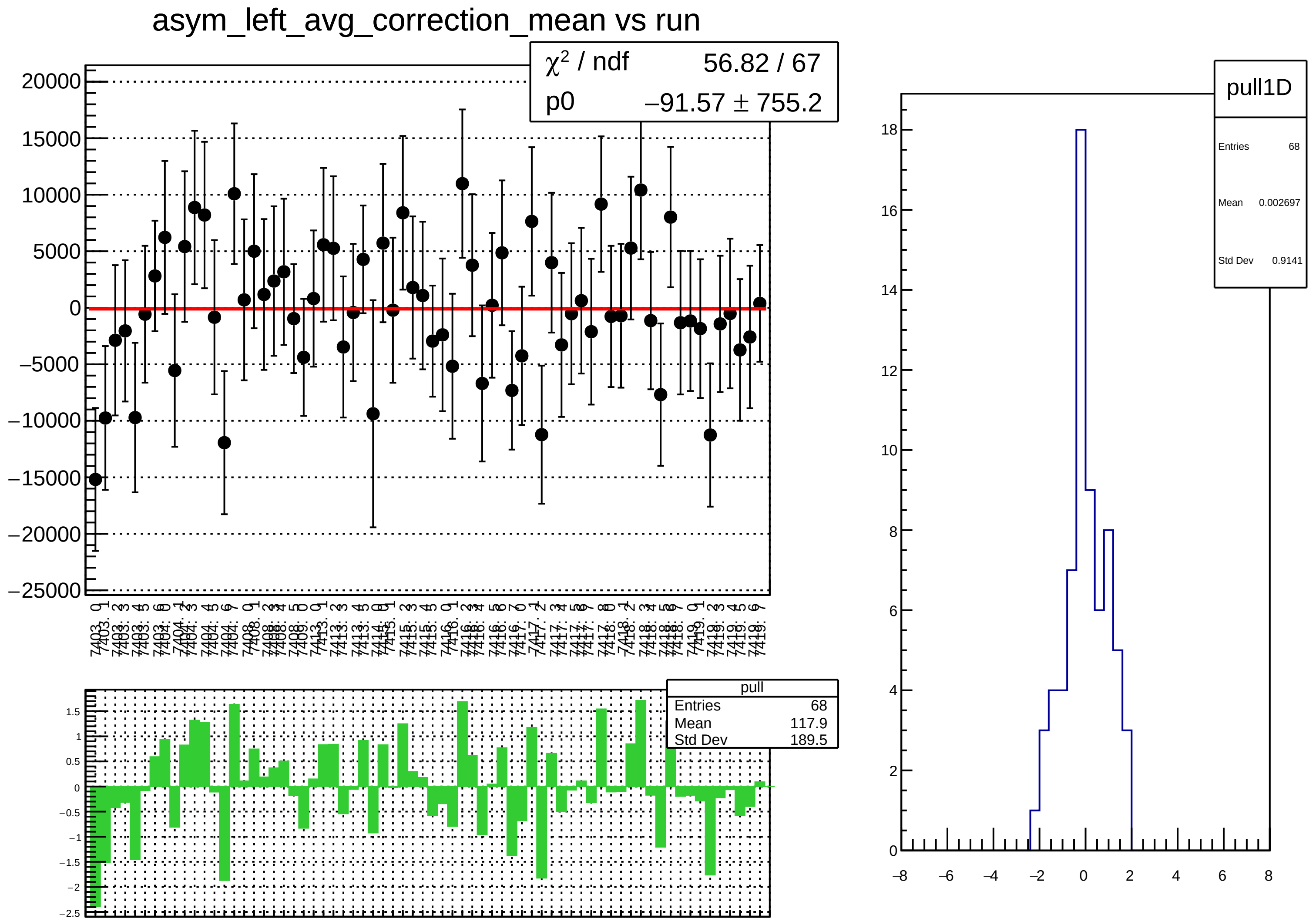
asym_dsr_mean vs run
χ^2 / ndf 76.94 / 67
p0 179.7 ± 169.9
pull
Entries 68
Mean −247.6
Std Dev 279.1
pull1D
Entries 68
Mean 0.01335
Std Dev 1.064



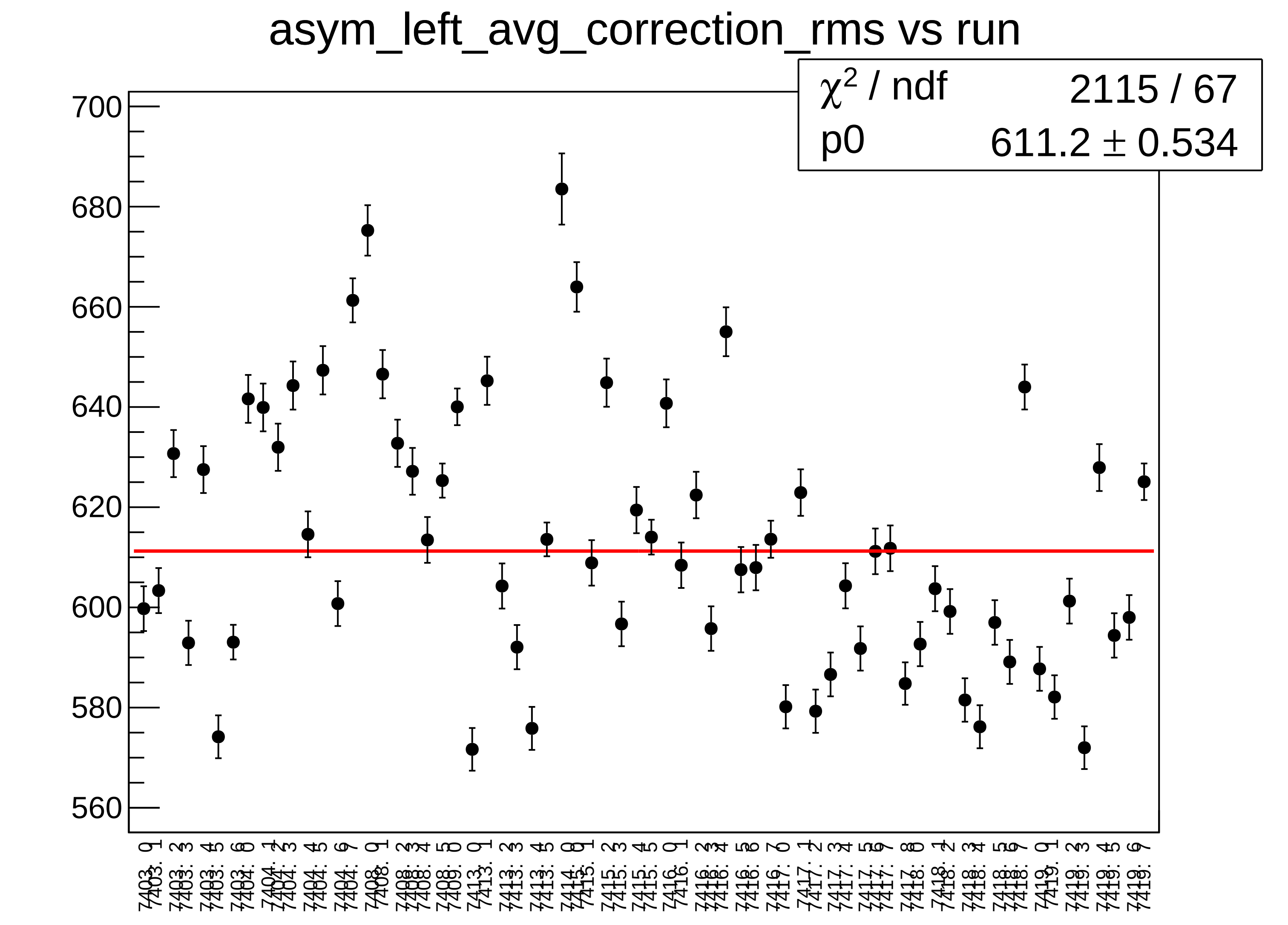
asym_dsr_rms vs run
χ2 / ndf 170.7 / 67
p0 137.6 ± 0.1201


reg_asym_left_avg_mean vs run
χ^2 / ndf 52.89 / 67
p0 155.6 ± 678
pull
Entries 68
Mean −29.43
Std Dev 67.09
pull1D
Entries 68
Mean −0.01306
Std Dev 0.8818

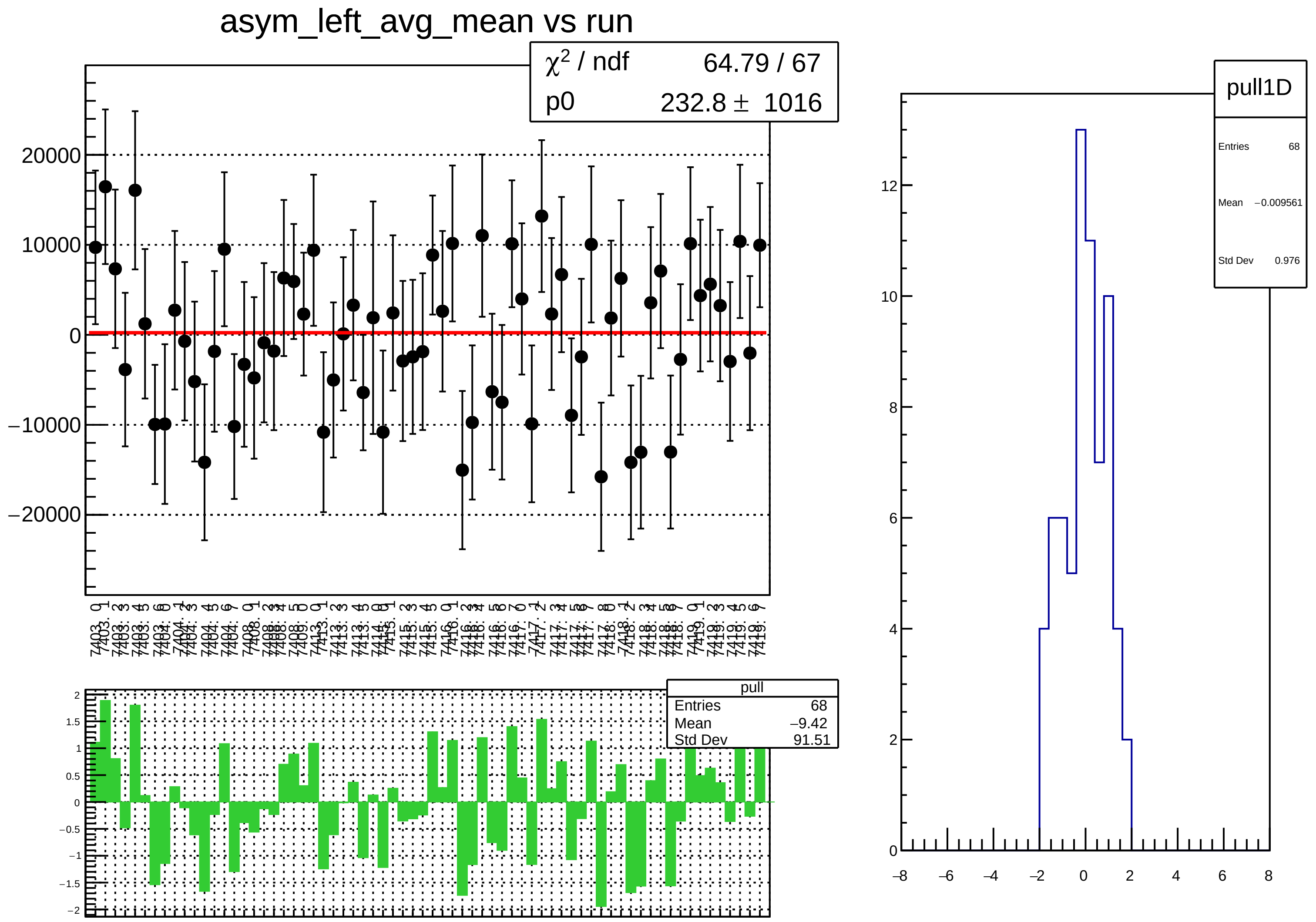




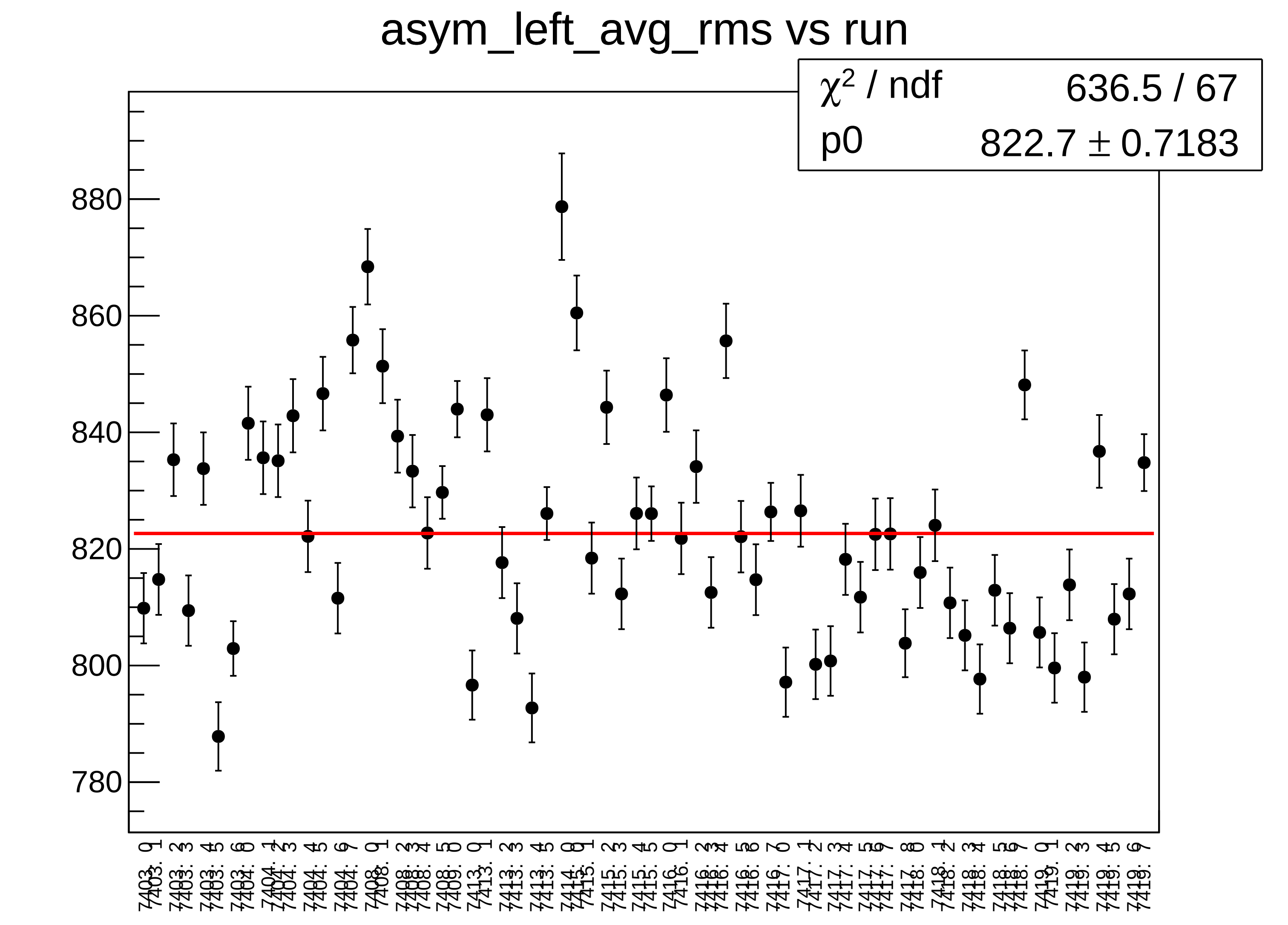
asym_left_avg_correction_mean vs run
χ2 / ndf 56.82 / 67
p0 −91.57 ± 755.2
pull
Entries 68
Mean 117.9
Std Dev 189.5
pull1D
Entries 68
Mean 0.002697
Std Dev 0.9141



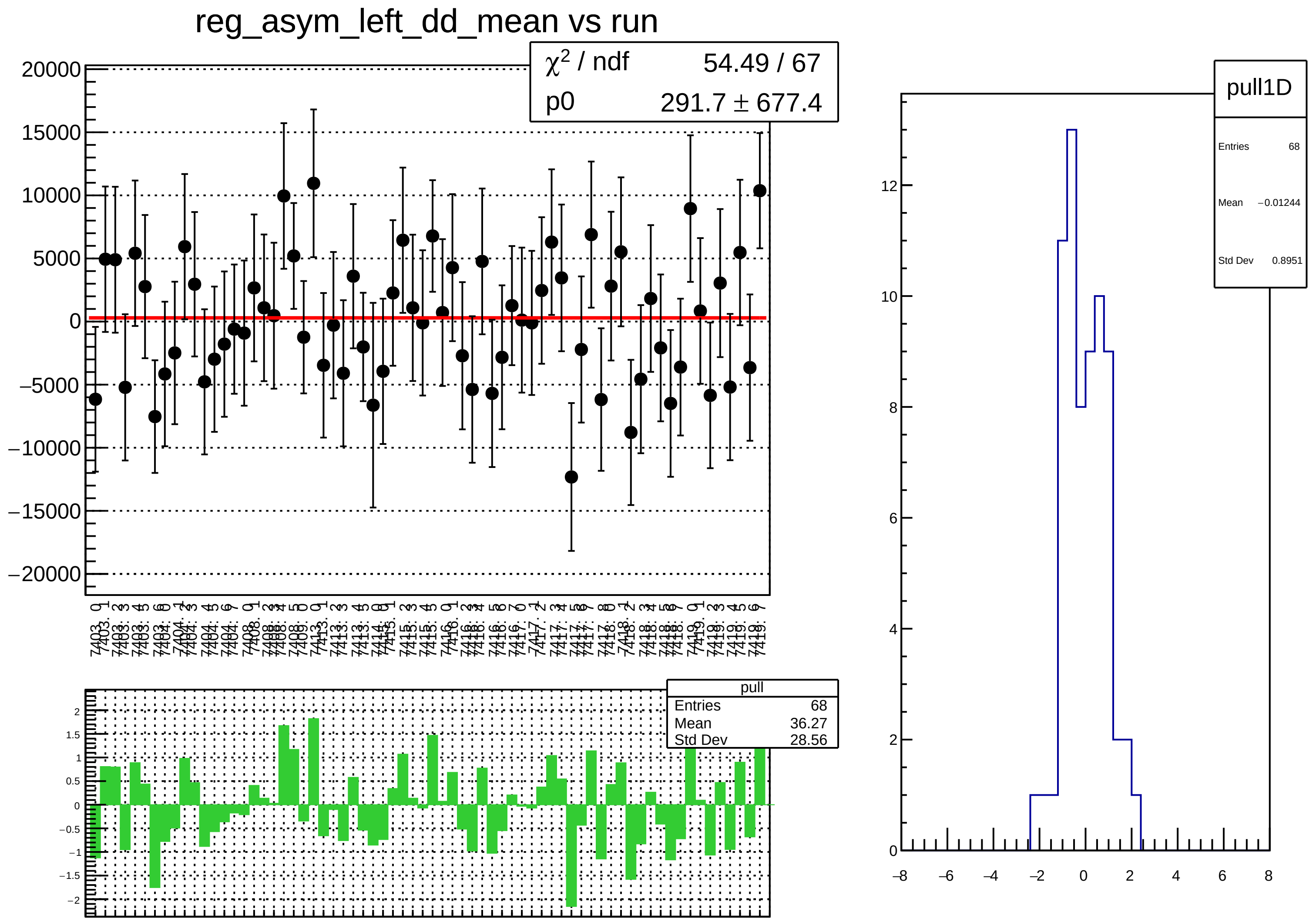
asym_left_avg_correction_rms vs run
χ2 / ndf 2115 / 67
p0 611.2 ± 0.534
700
680
660
640
620
600
580
560



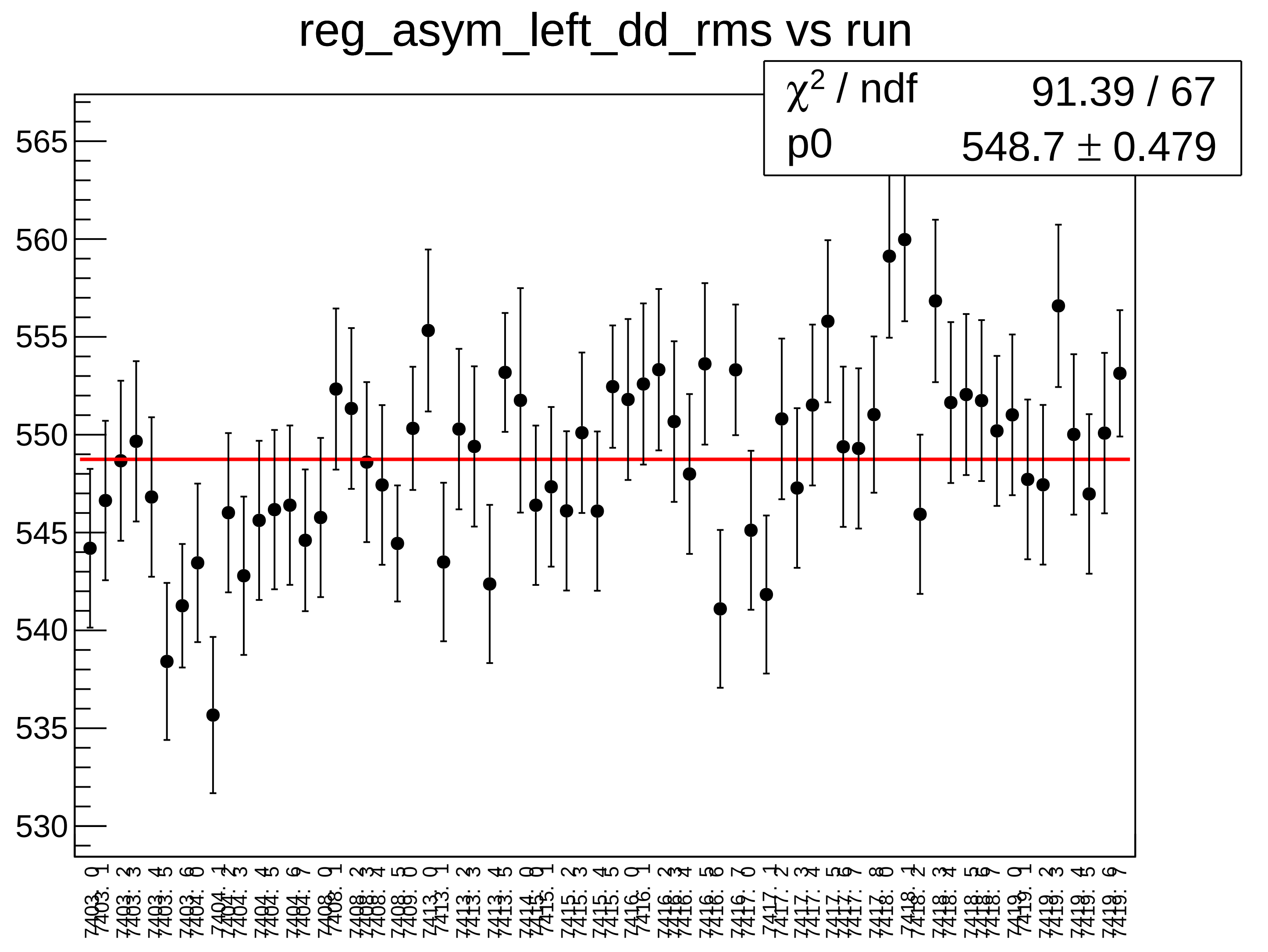
asym_left_avg_mean vs run
χ^2 / ndf 64.79 / 67
p0 232.8 ± 1016
pull
Entries 68
Mean −9.42
Std Dev 91.51
pull1D
Entries 68
Mean −0.009561
Std Dev 0.976

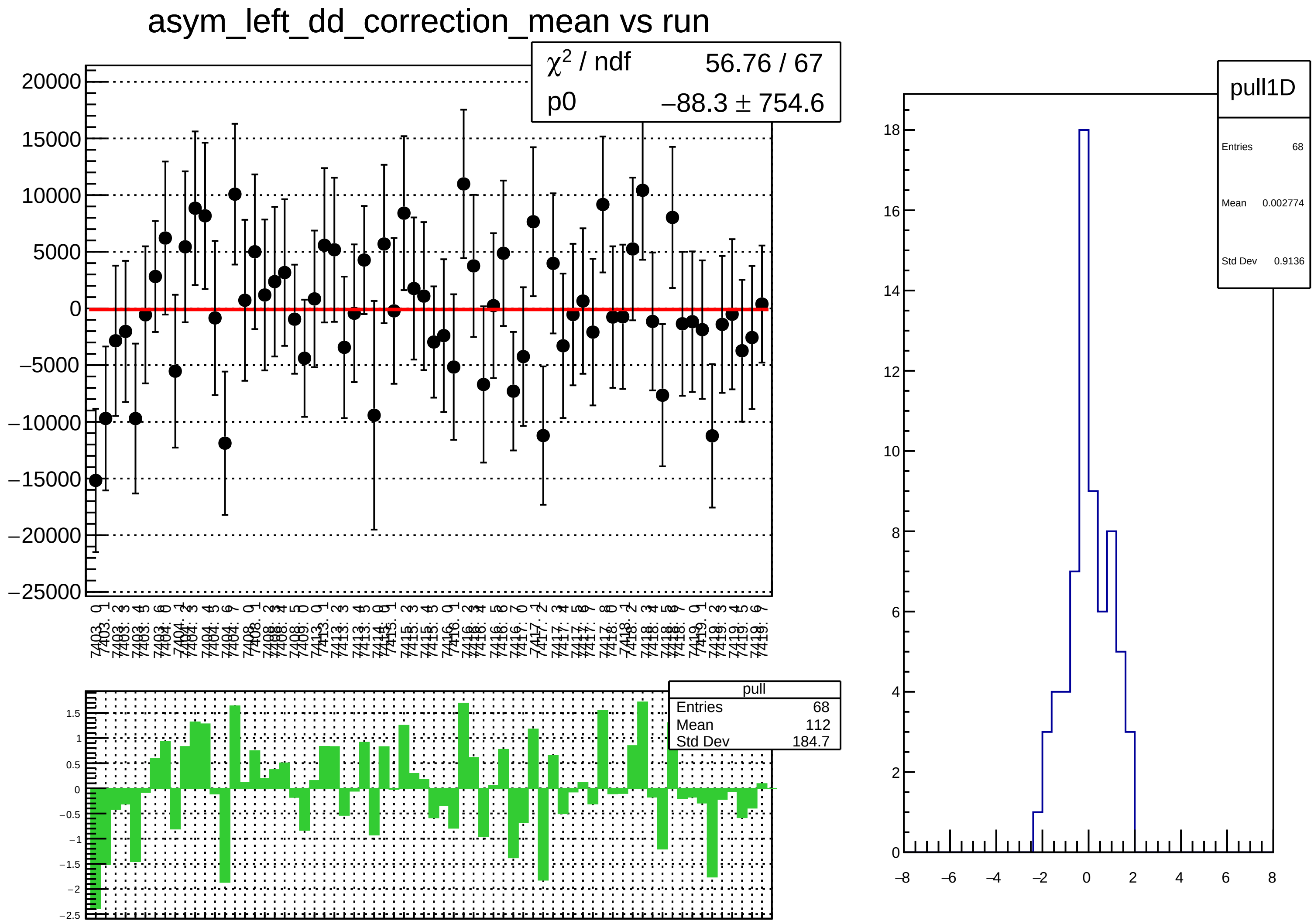


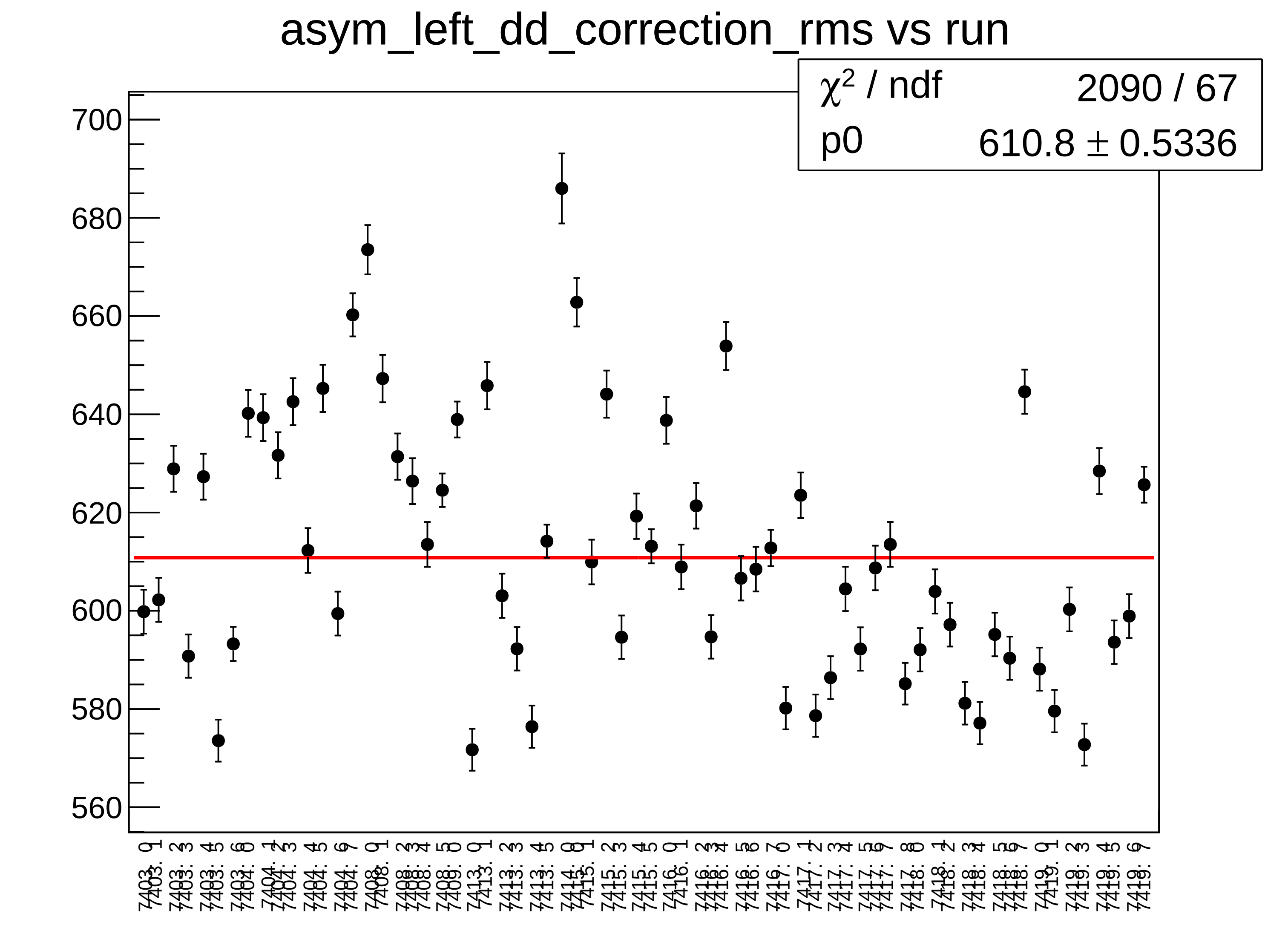
asym_left_avg_rms vs run
χ^2 / ndf 636.5 / 67
p0 822.7 ± 0.7183
880
860
840
820
800
780

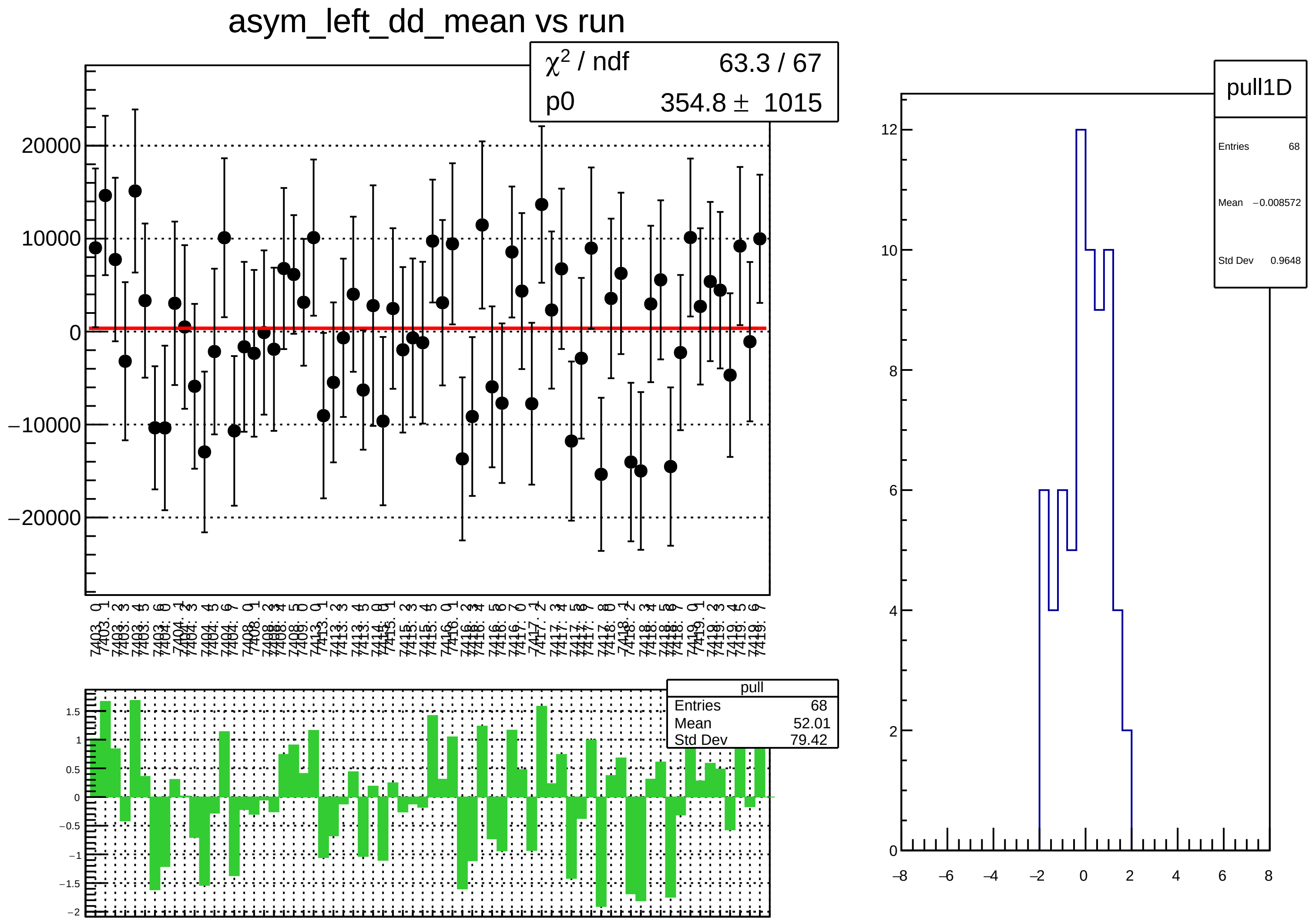


reg_asym_left_dd_mean vs run
χ^2 / ndf 54.49 / 67
p0 291.7 ± 677.4
pull
Entries 68
Mean 36.27
Std Dev 28.56
pull1D
Entries 68
Mean −0.01244
Std Dev 0.8951

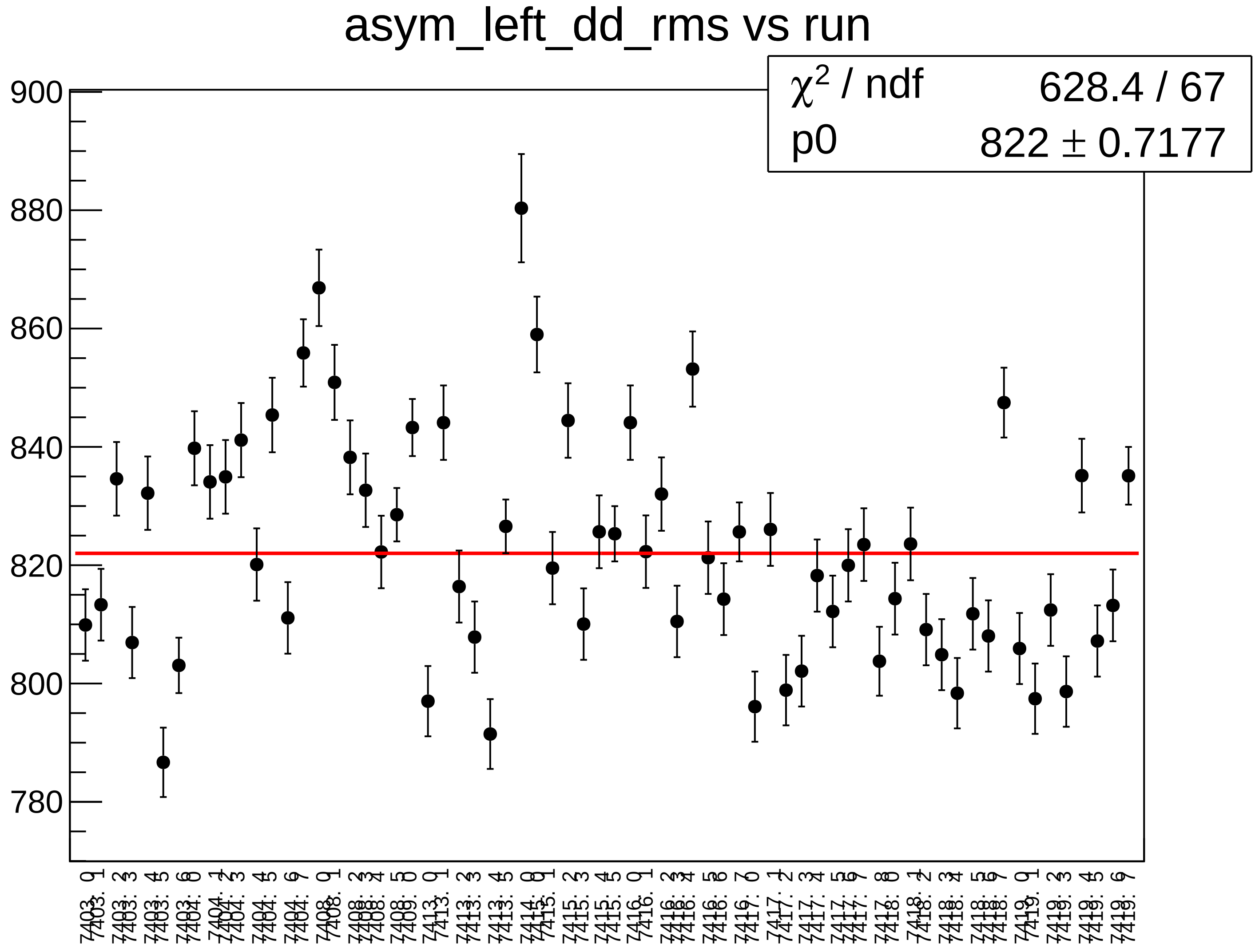

reg_asym_left_dd_rms vs run
χ2 / ndf 91.39 / 67
p0 548.7 ± 0.479
565
560
555
550
545
540
535
530

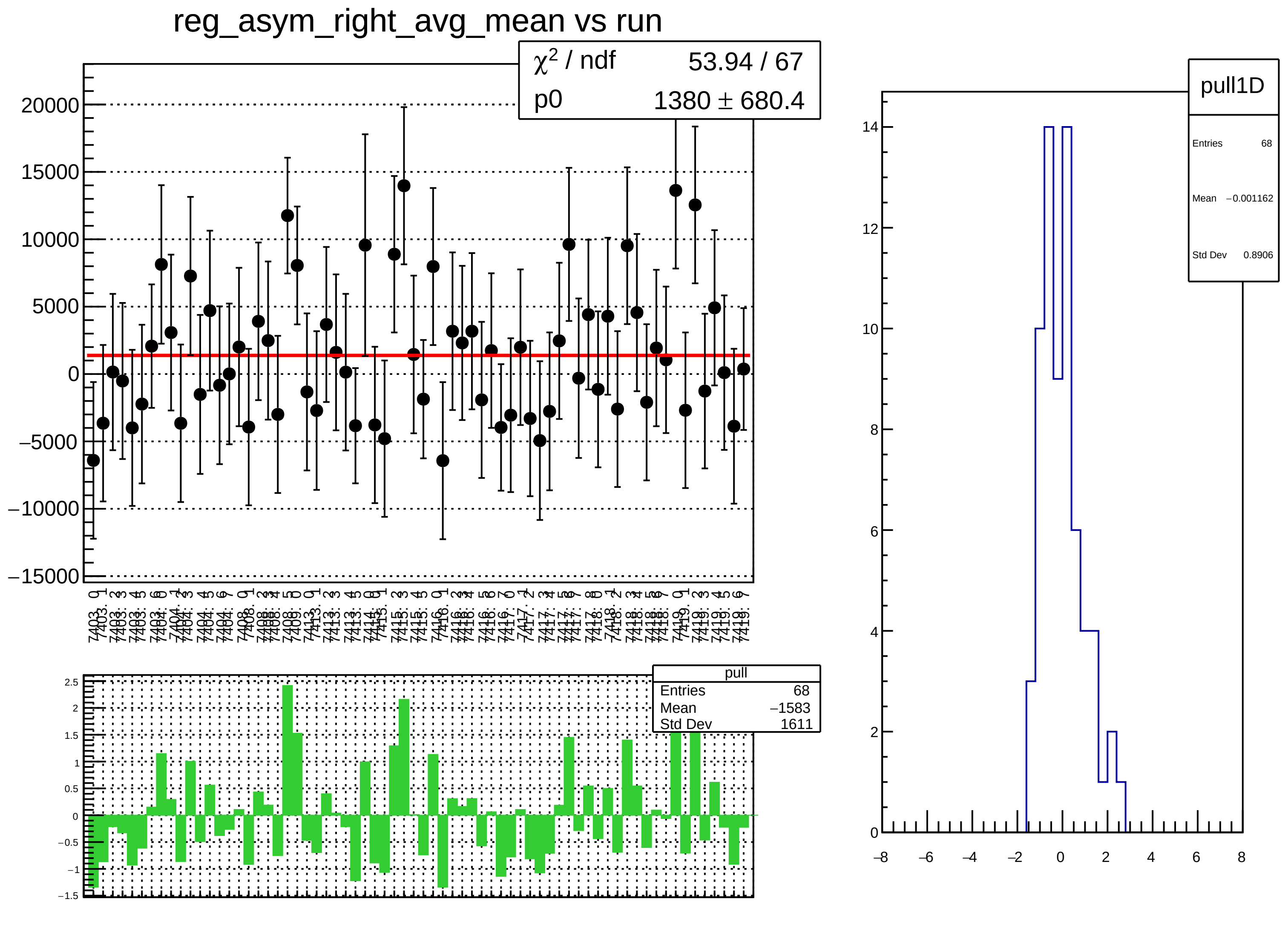

asym_left_dd_correction_mean vs run
χ^2 / ndf 56.76 / 67
p0 −88.3 ± 754.6
pull
Entries 68
Mean 112
Std Dev 184.7
pull1D
Entries 68
Mean 0.002774
Std Dev 0.9136


asym_left_dd_correction_rms vs run
χ^2 / ndf 2090 / 67
p0 610.8 ± 0.5336
700
680
660
640
620
600
580
560

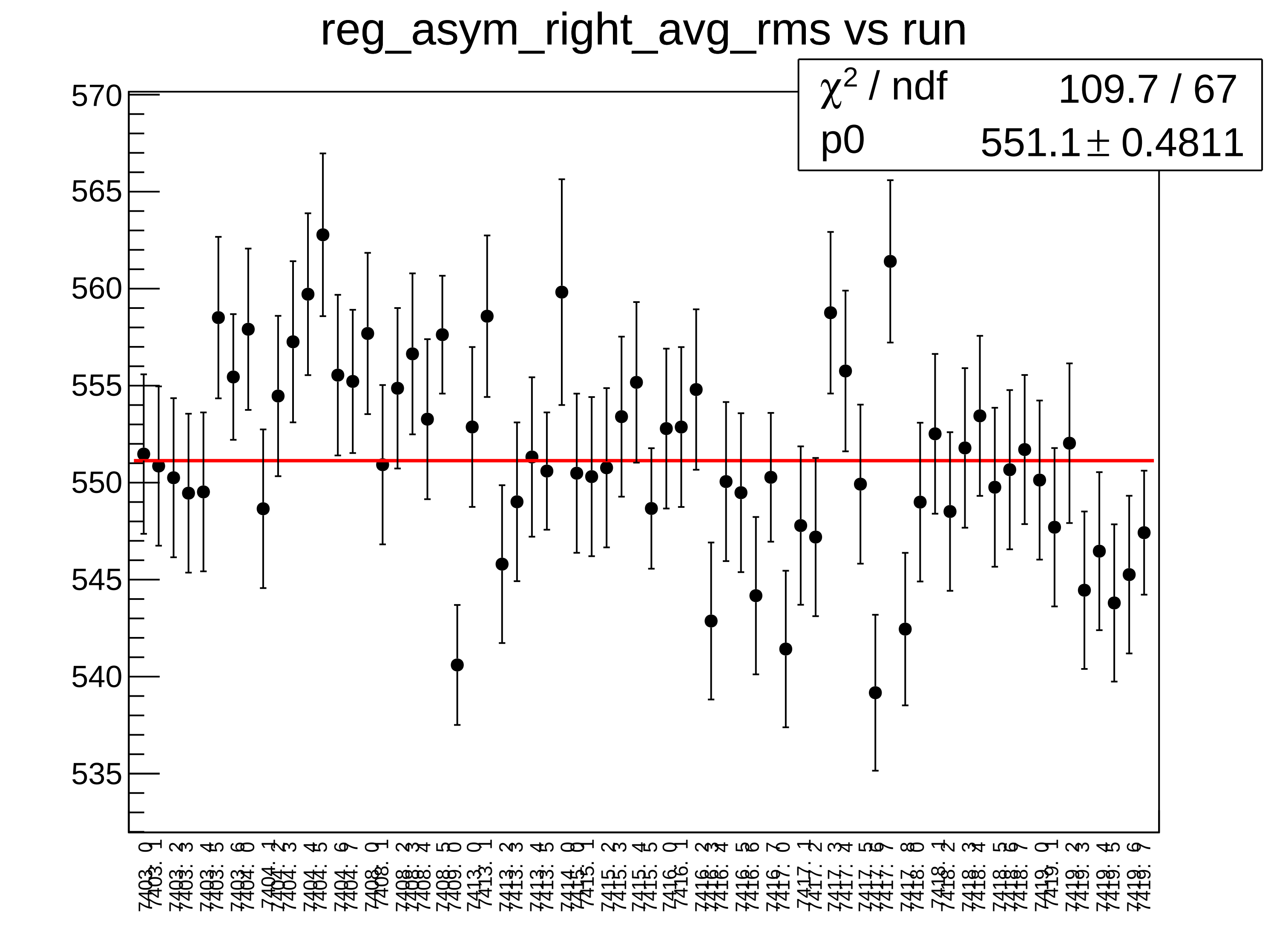


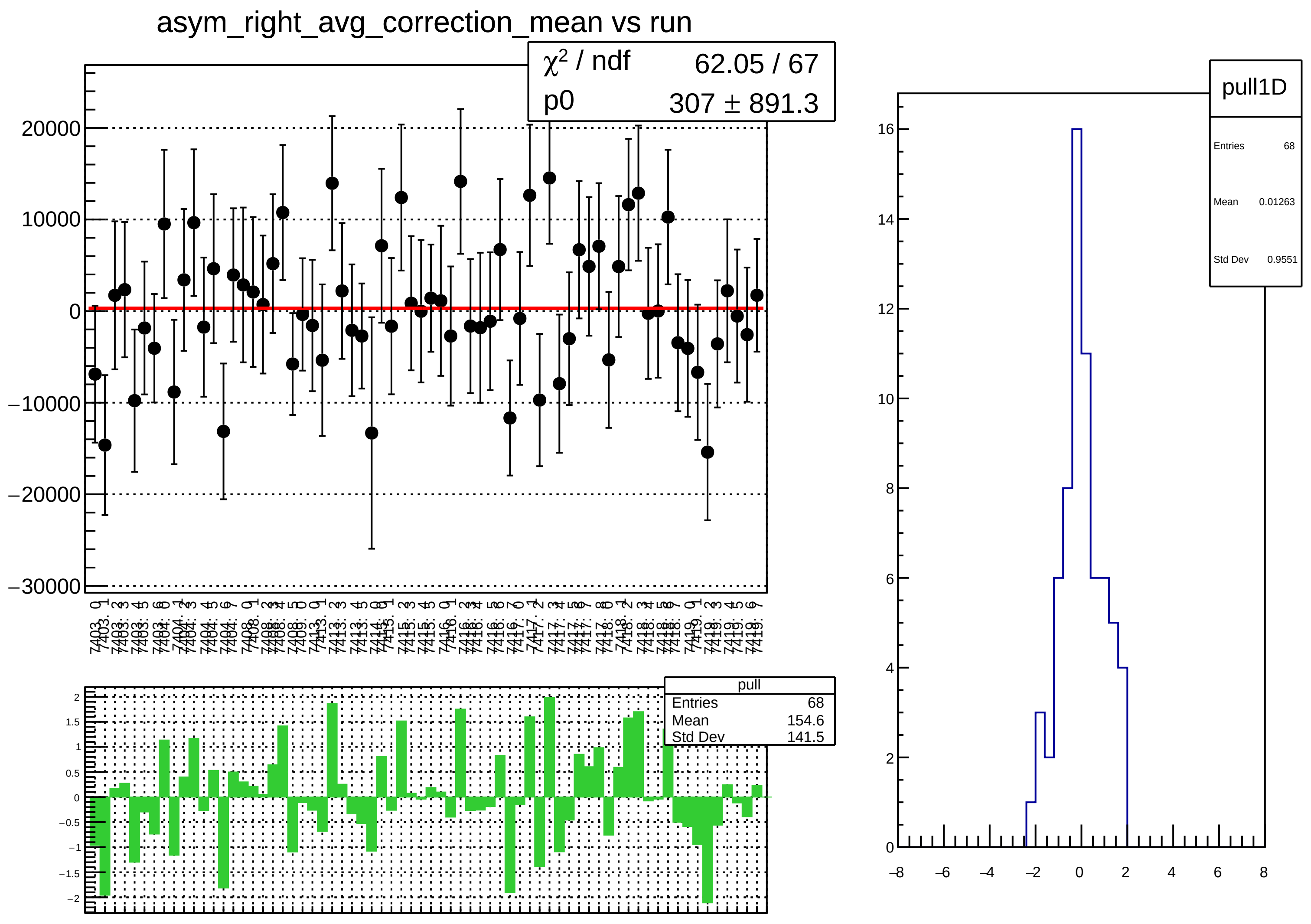
asym_left_dd_mean vs run
χ^2 / ndf 63.3 / 67
p0 354.8 ± 1015
pull
Entries 68
Mean 52.01
Std Dev 79.42
pull1D
Entries 68
Mean −0.008572
Std Dev 0.9648


asym_left_dd_rms vs run
χ2 / ndf 628.4 / 67
p0 822 ± 0.7177
900
880
860
840
820
800
780

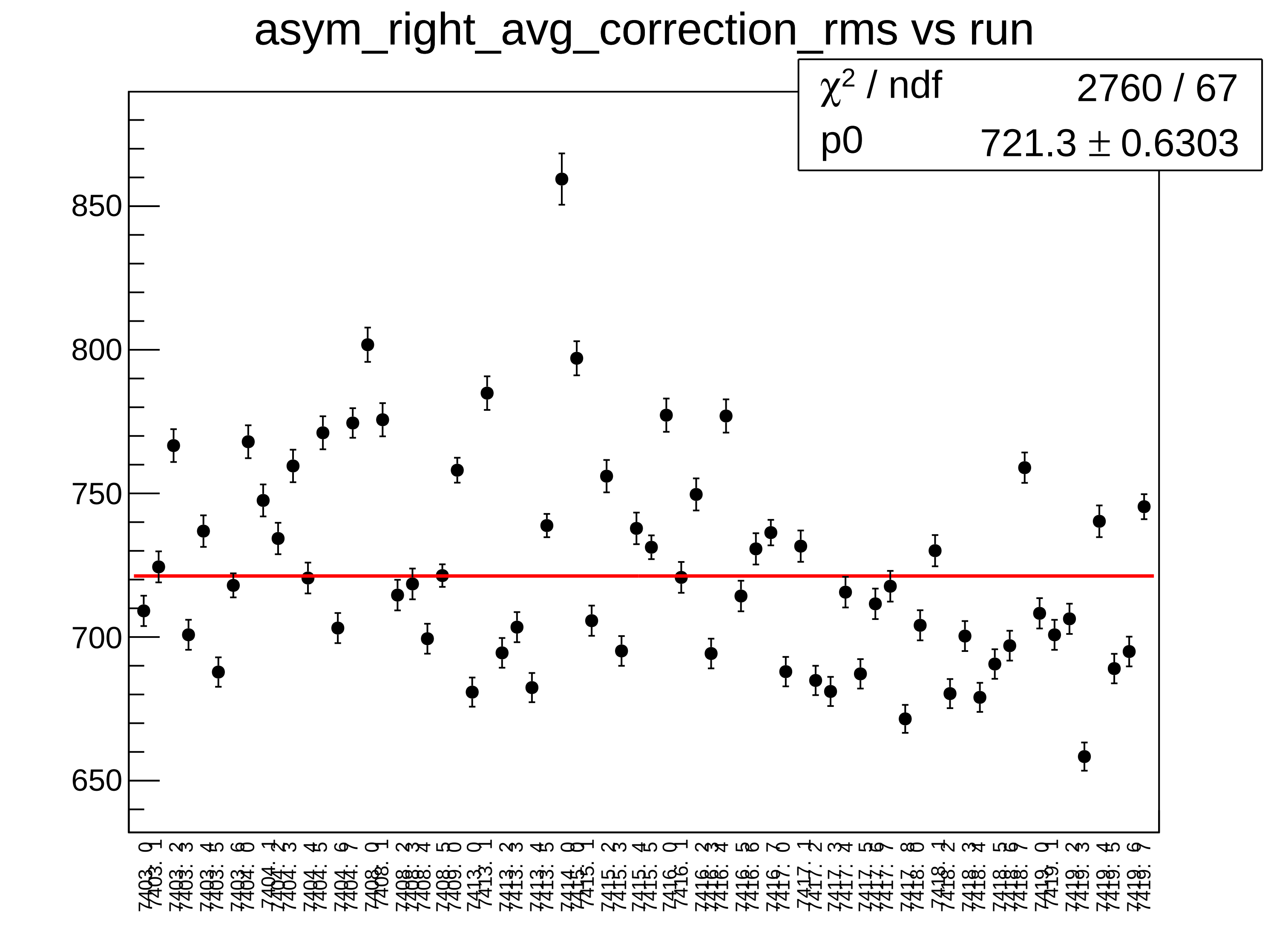


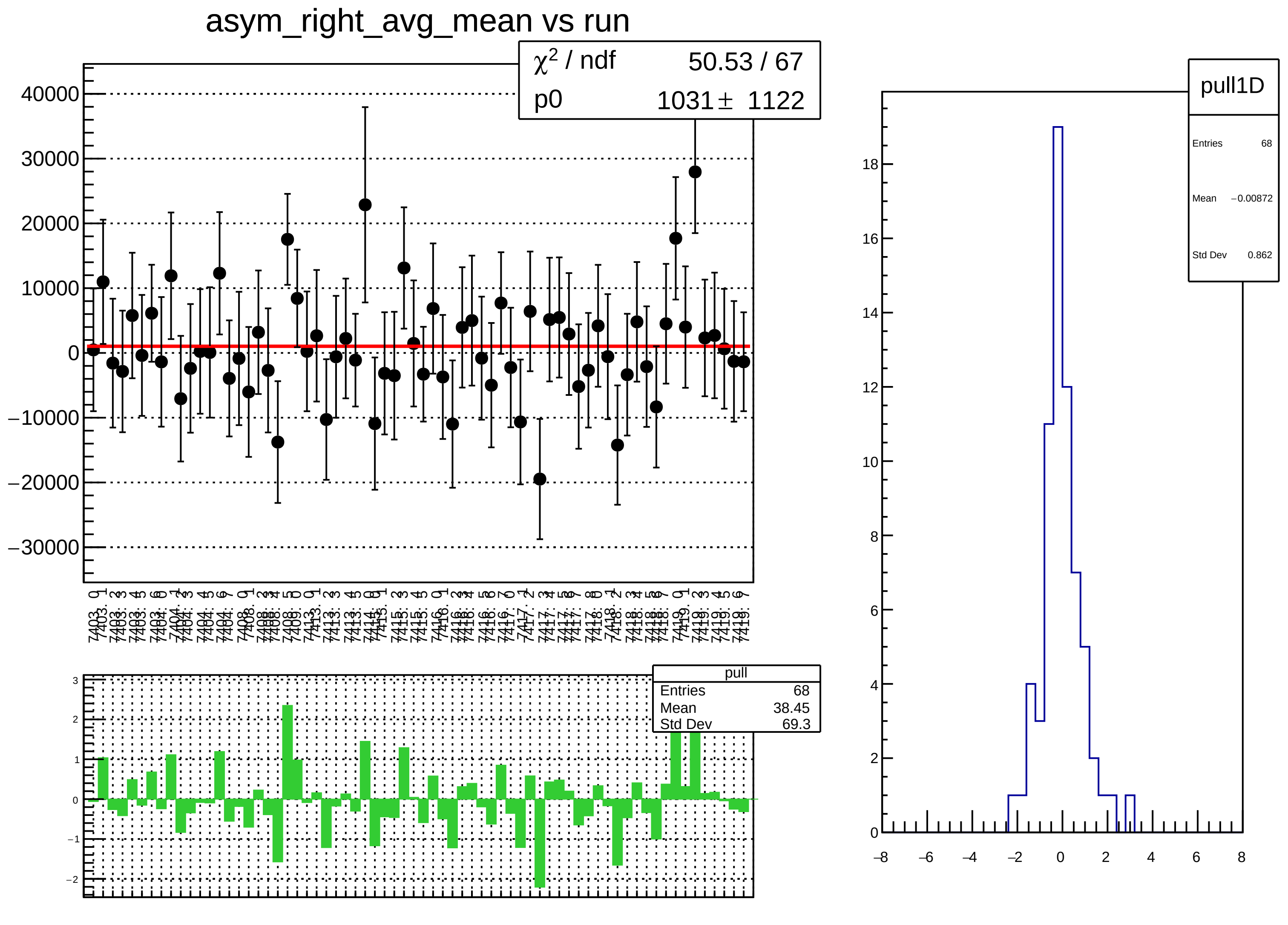
reg_asym_right_avg_mean vs run
χ^2 / ndf 53.94 / 67
p0 1380 ± 680.4
pull
Entries 68
Mean −1583
Std Dev 1611
pull1D
Entries 68
Mean −0.001162
Std Dev 0.8906

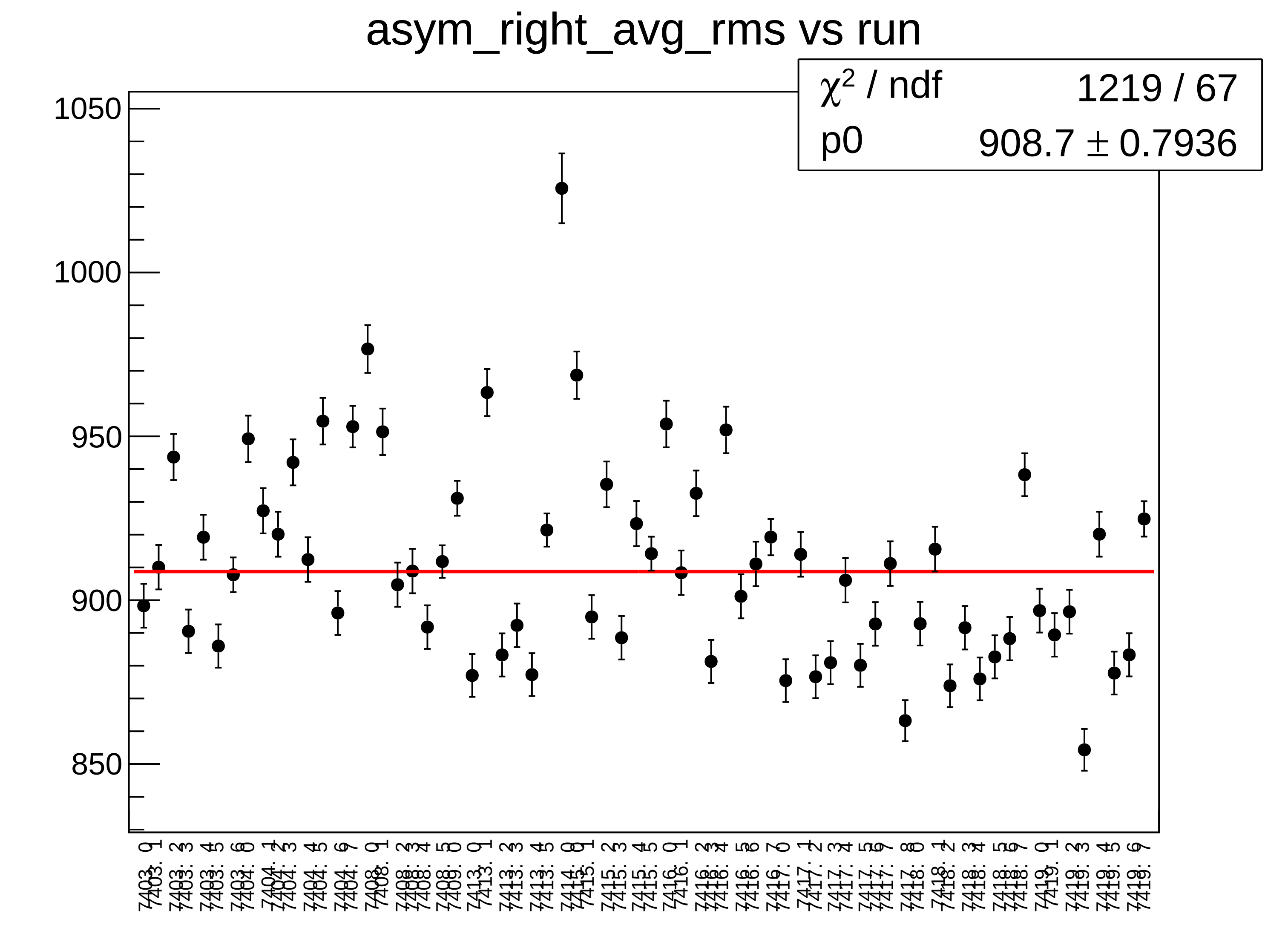


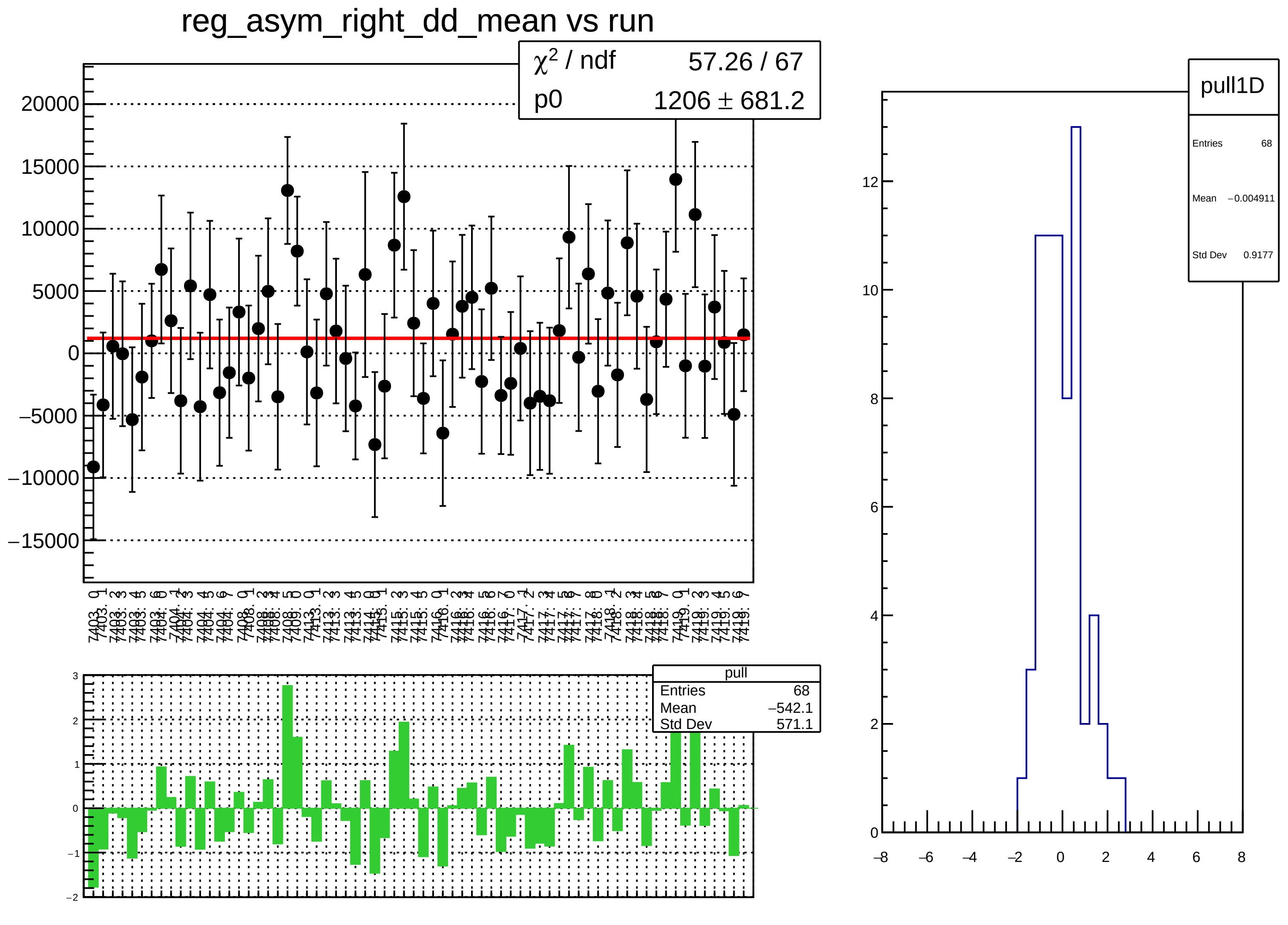


asym_right_avg_correction_mean vs run
χ² / ndf 62.05 / 67
p0 307 ± 891.3
pull
Entries 68
Mean 154.6
Std Dev 141.5
pull1D
Entries 68
Mean 0.01263
Std Dev 0.9551

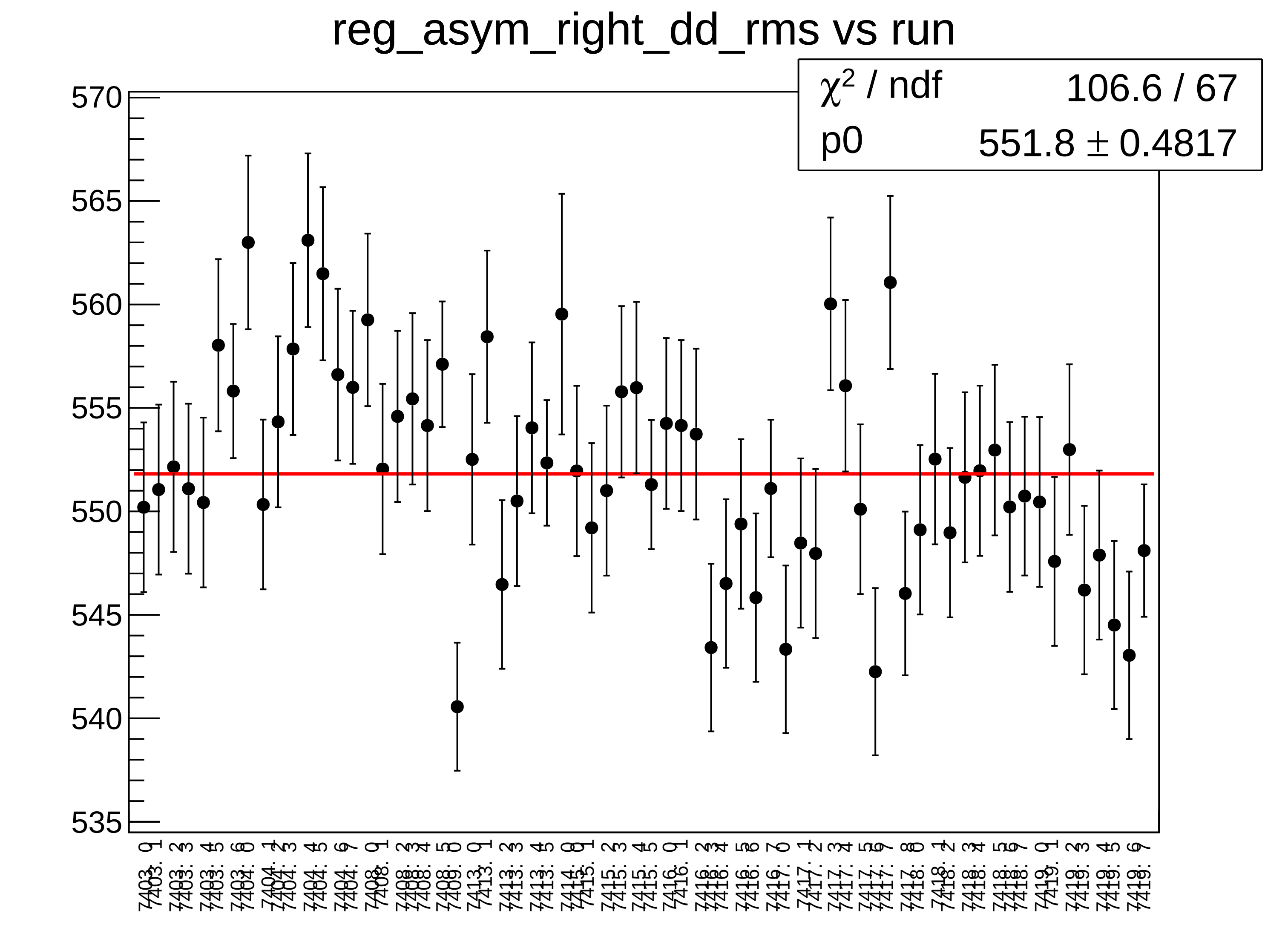

asym_right_avg_correction_rms vs run
χ2 / ndf 2760 / 67
p0 721.3 ± 0.6303
850
800
750
700
650

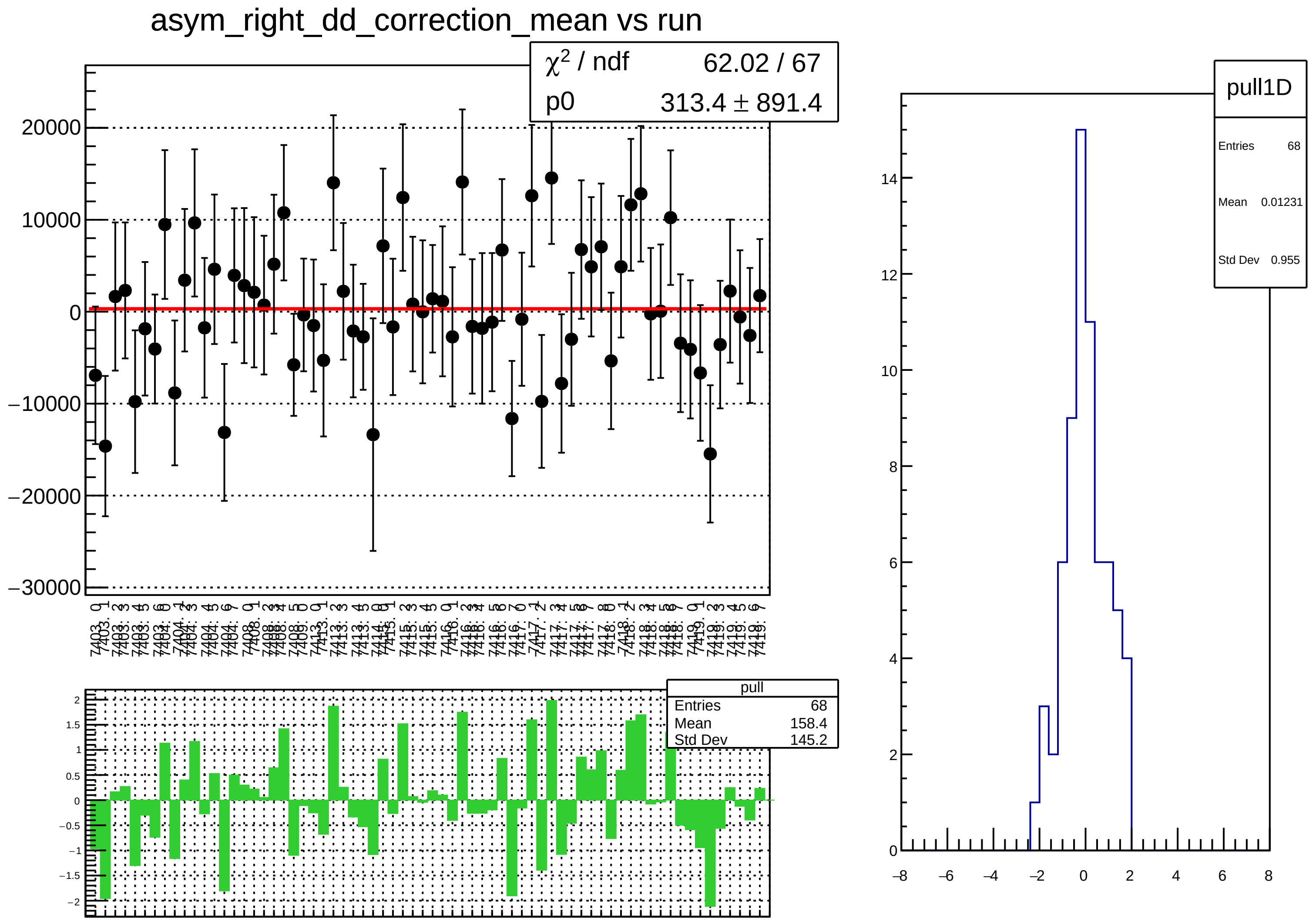

asym_right_avg_mean vs run
χ2 / ndf 50.53 / 67
p0 1031 ± 1122
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 38.45
Std Dev 69.3
pull1D
Entries 68
Mean −0.00872
Std Dev 0.862
−8
−6
−4
−2
0
2
4
6
8

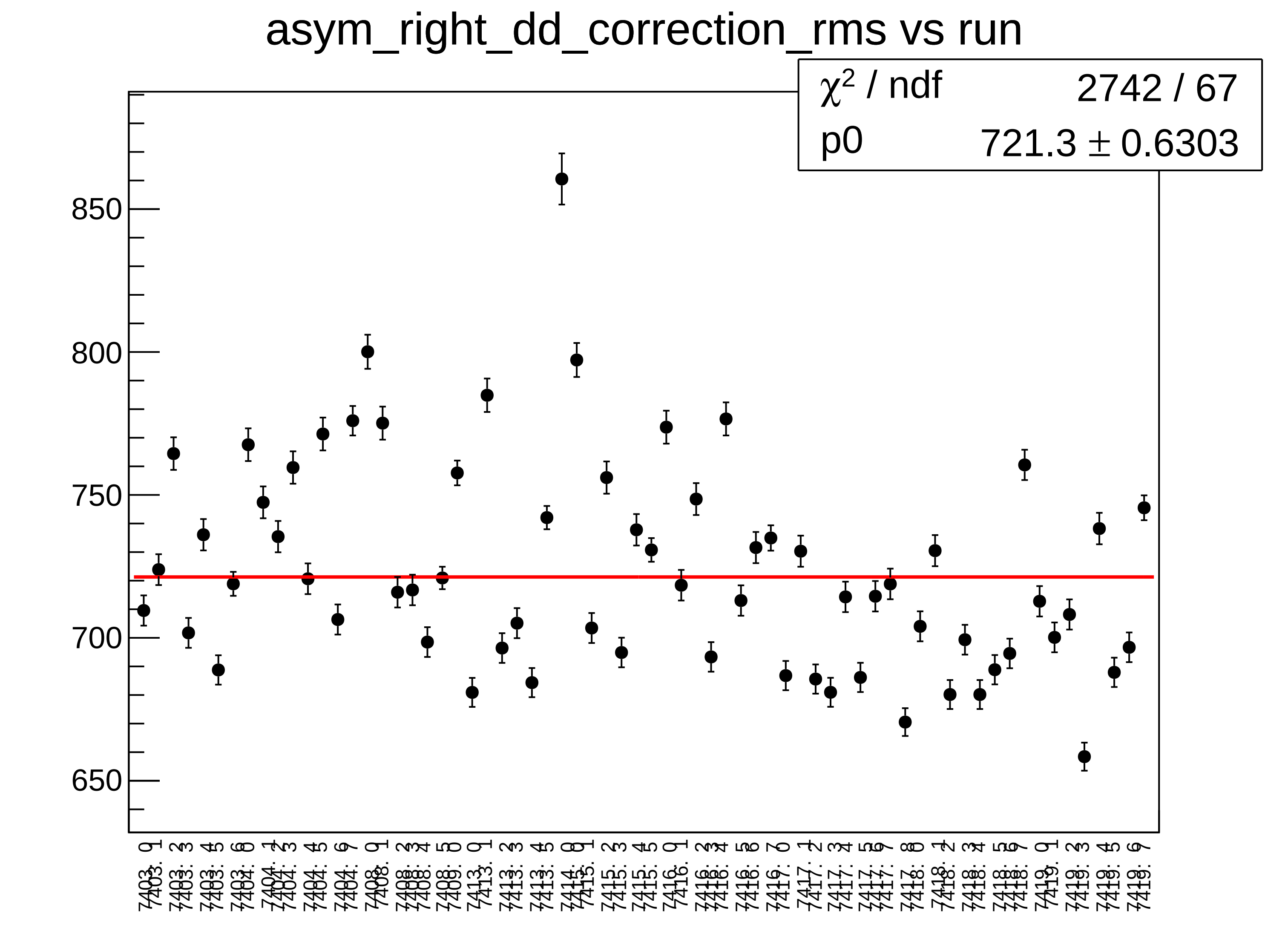

asym_right_avg_rms vs run
χ^2 / ndf 1219 / 67
p0 908.7 ± 0.7936
1050
1000
950
900
850

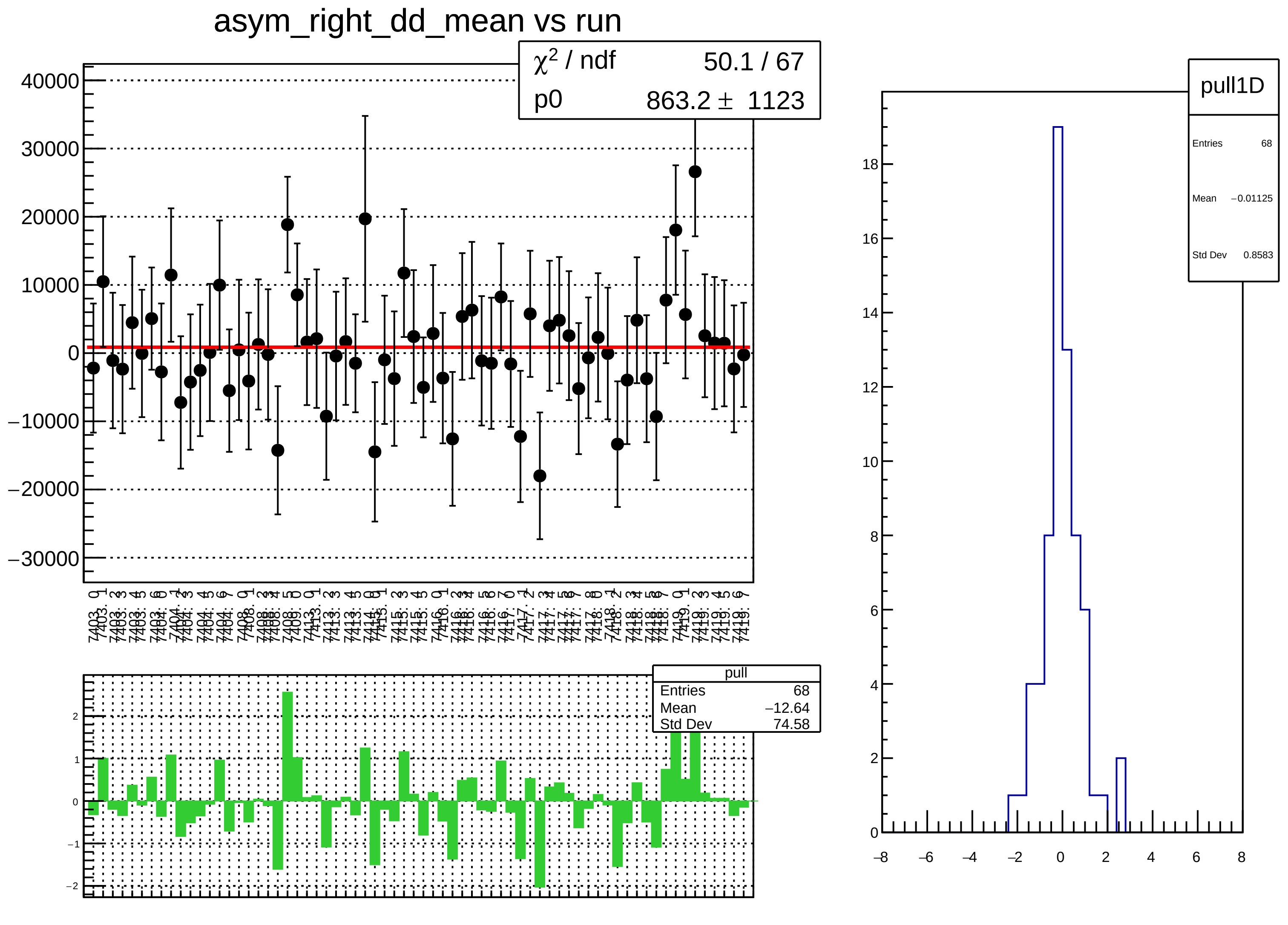


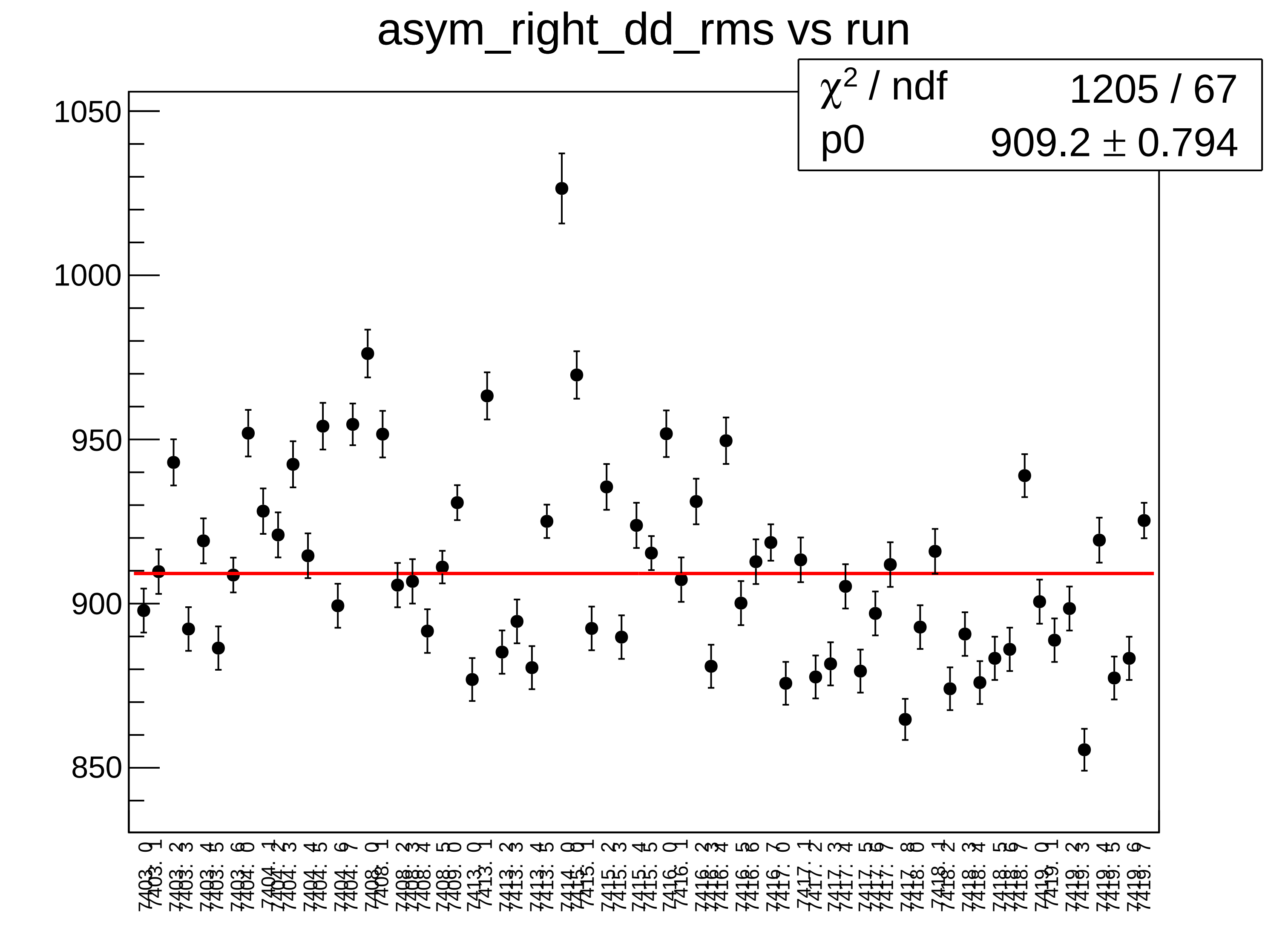
reg_asym_right_dd_mean vs run
χ2 / ndf 57.26 / 67
p0 1206 ± 681.2
pull
Entries 68
Mean −542.1
Std Dev 571.1
pull1D
Entries 68
Mean −0.004911
Std Dev 0.9177

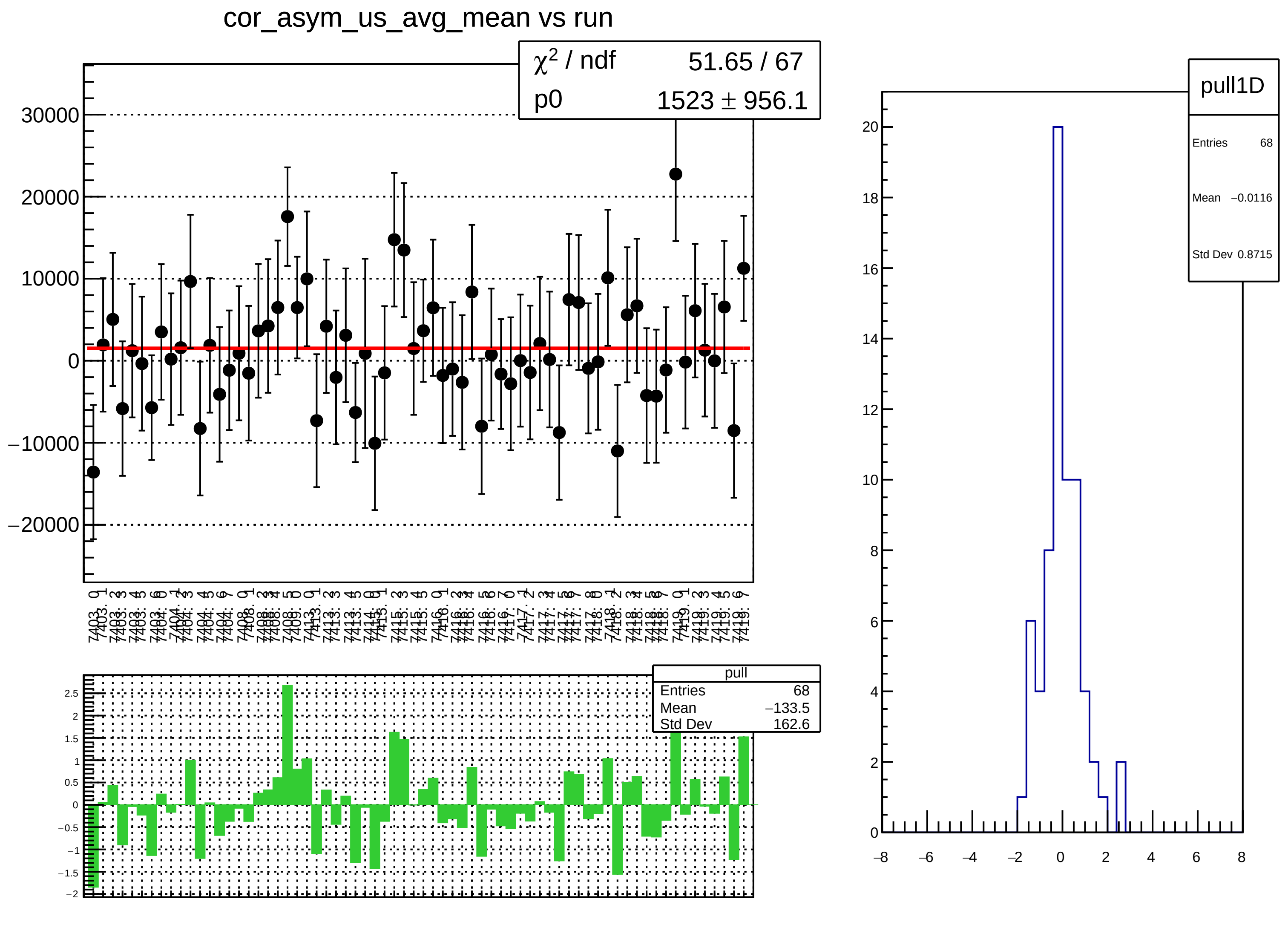

reg_asym_right_dd_rms vs run
χ2 / ndf 106.6 / 67
p0 551.8 ± 0.4817
570
565
560
555
550
545
540
535


asym_right_dd_correction_mean vs run
χ^2 / ndf 62.02 / 67
p0 313.4 ± 891.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 158.4
Std Dev 145.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean 0.01231
Std Dev 0.955
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_right_dd_correction_rms vs run
χ^2 / ndf 2742 / 67
p0 721.3 ± 0.6303
850
800
750
700
650

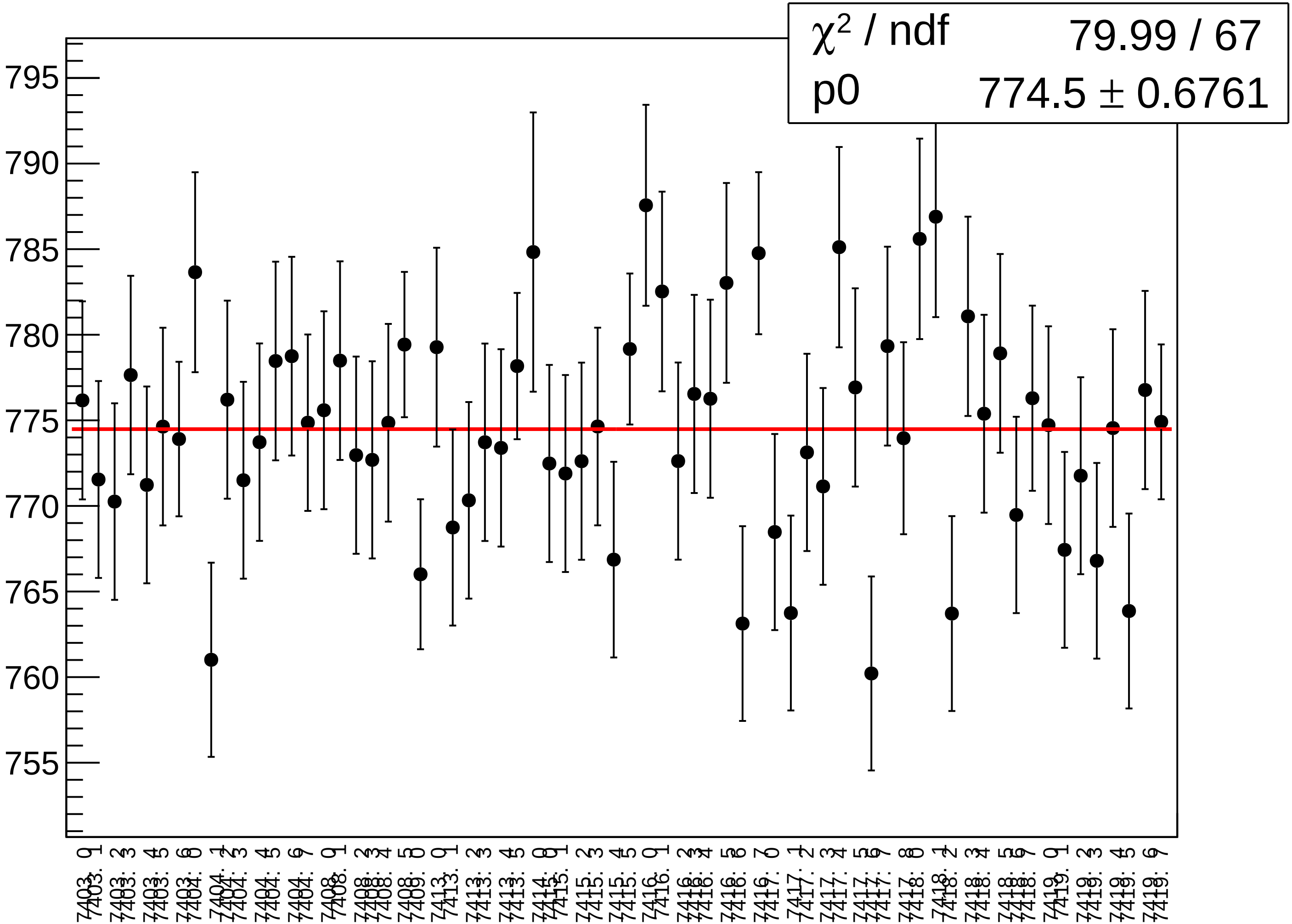

asym_right_dd_mean vs run
χ^2 / ndf 50.1 / 67
p0 863.2 ± 1123
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean −12.64
Std Dev 74.58
2
1
0
−1
−2
pull1D
Entries 68
Mean −0.01125
Std Dev 0.8583
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

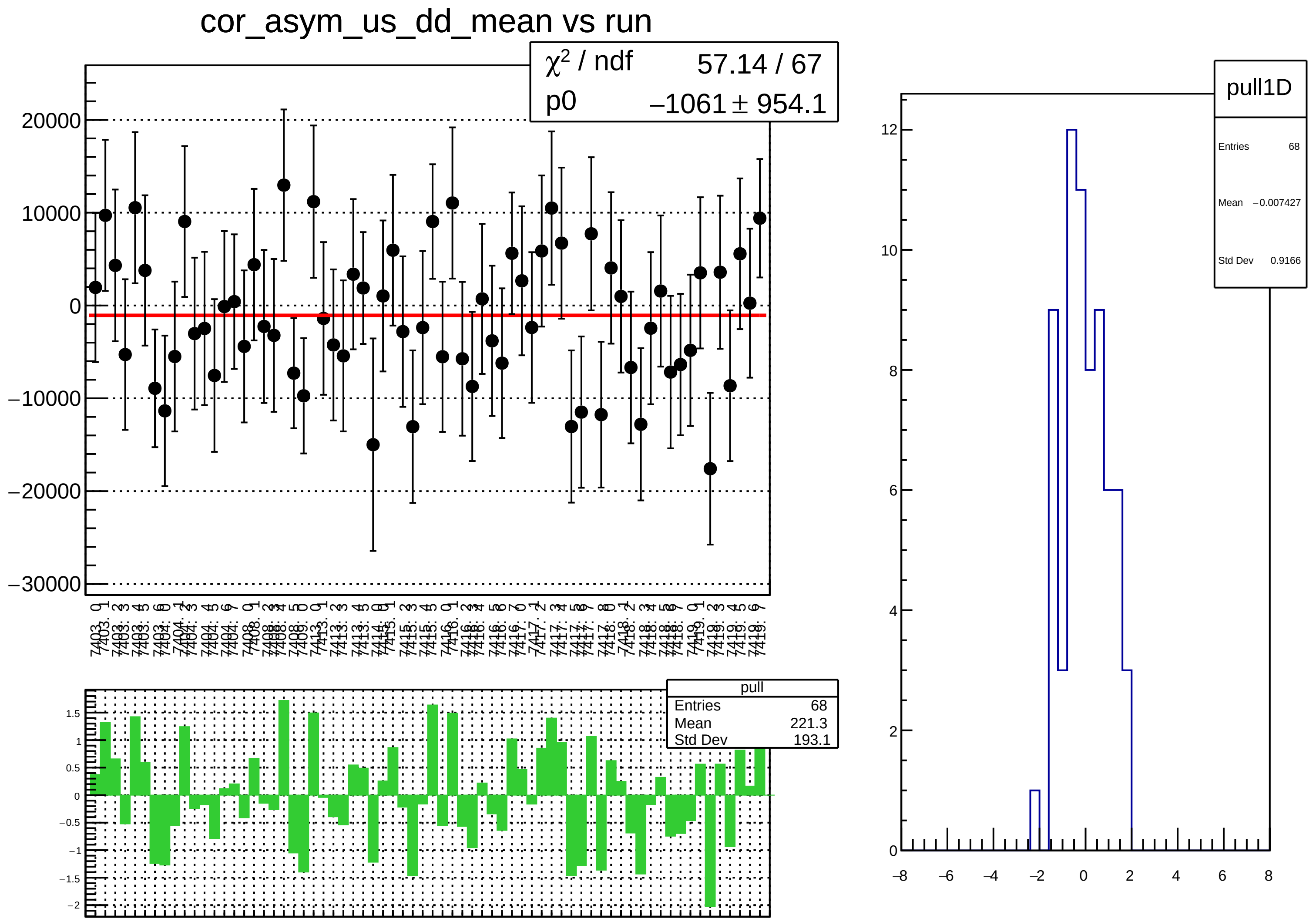

asym_right_dd_rms vs run
χ² / ndf 1205 / 67
p0 909.2 ± 0.794
1050
1000
950
900
850



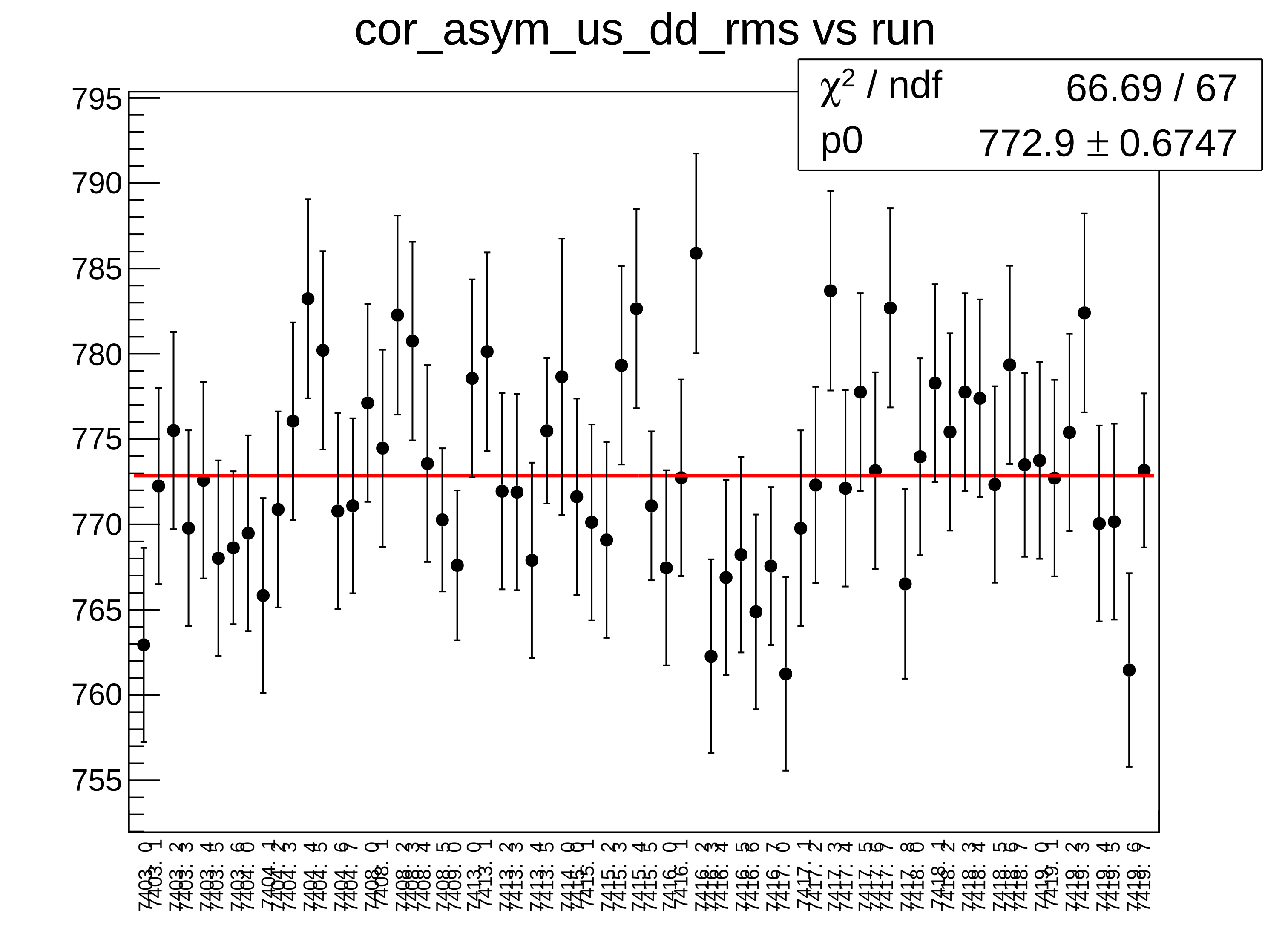
cor_asym_us_avg_mean vs run
χ2 / ndf 51.65 / 67
p0 1523 ± 956.1
pull
Entries 68
Mean −133.5
Std Dev 162.6
pull1D
Entries 68
Mean −0.0116
Std Dev 0.8715

cor_asym_us_avg_rms vs run

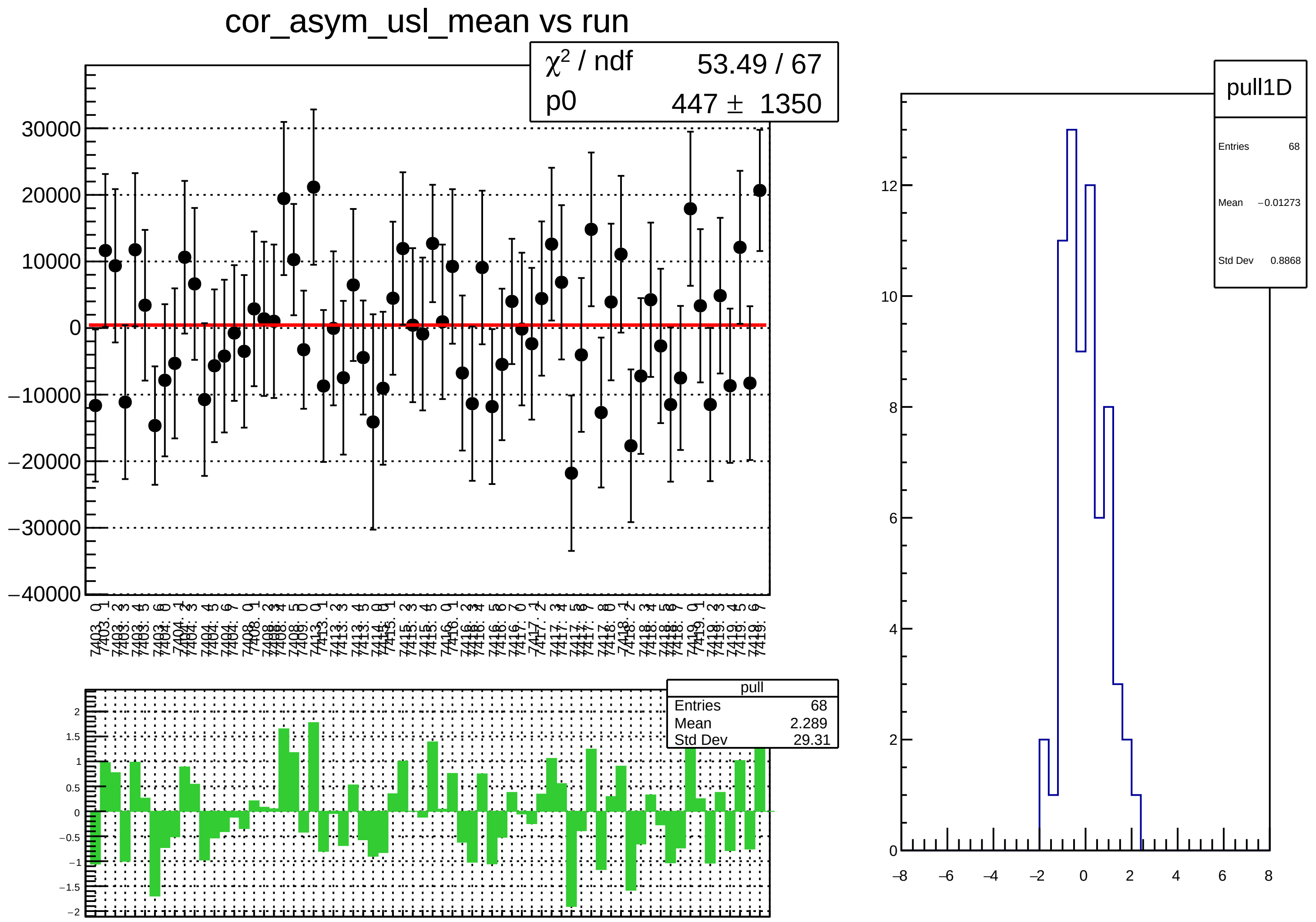




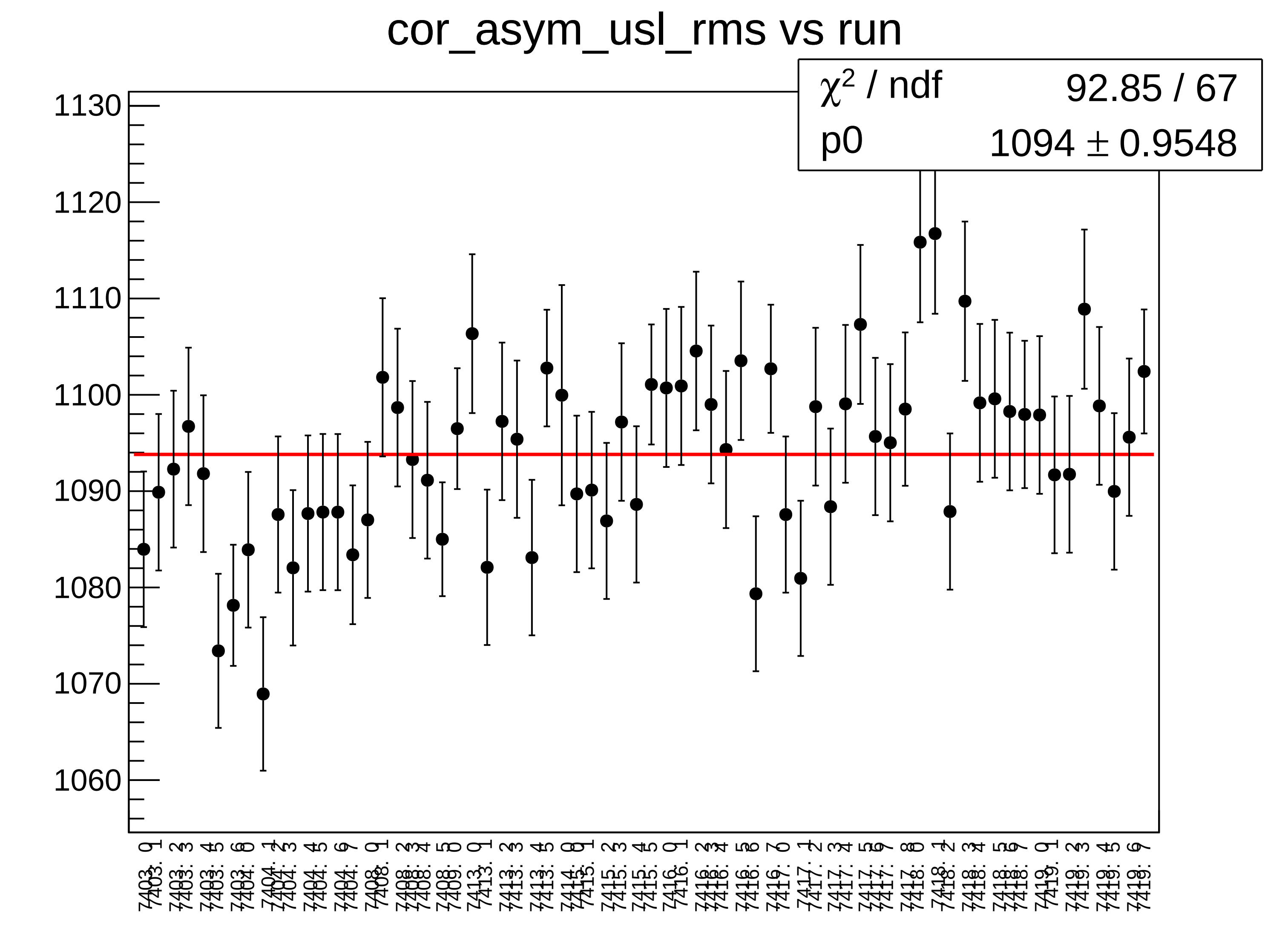
cor_asym_us_dd_mean vs run
χ2 / ndf 57.14 / 67
p0 −1061 ± 954.1
pull
Entries 68
Mean 221.3
Std Dev 193.1
pull1D
Entries 68
Mean −0.007427
Std Dev 0.9166

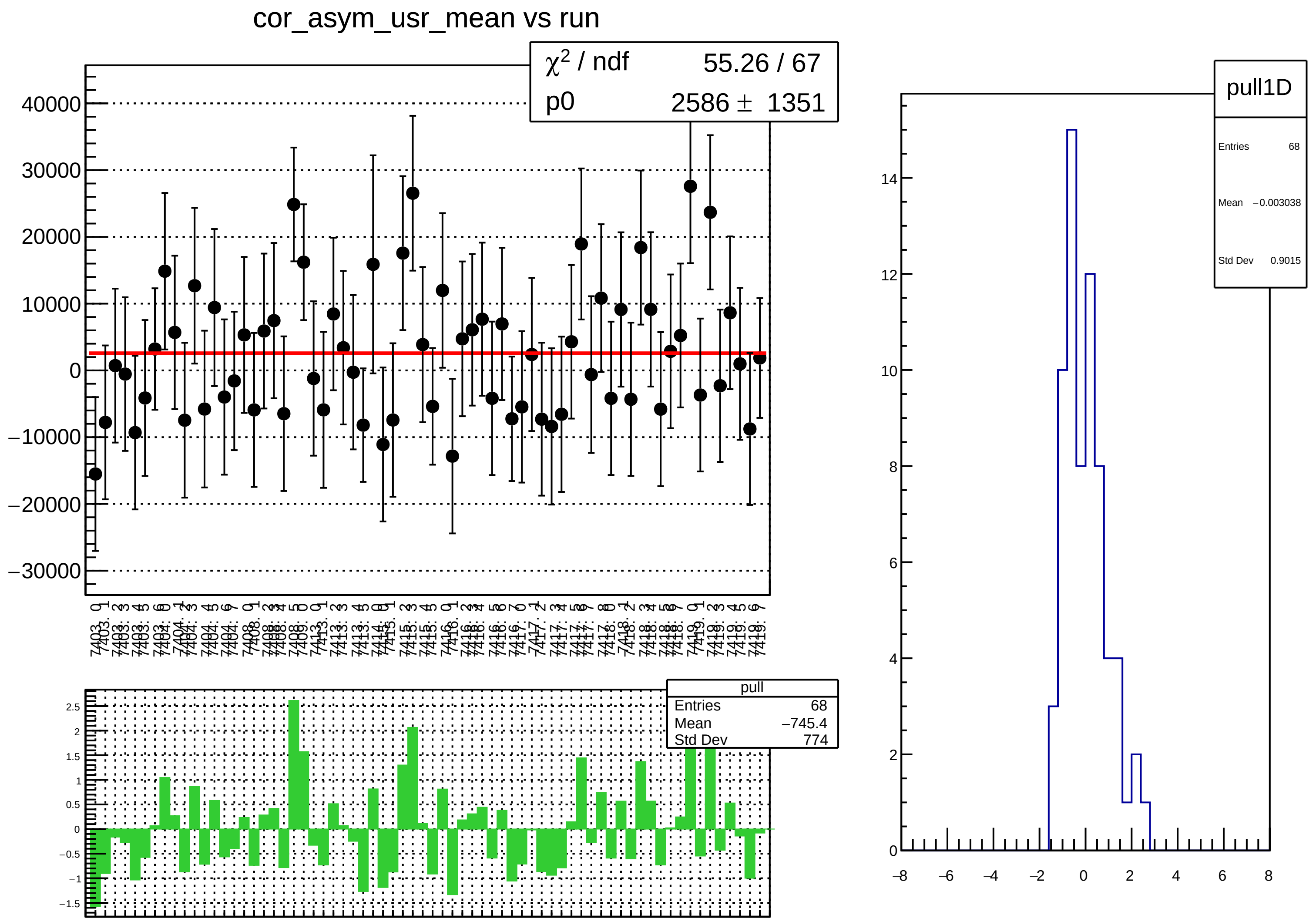


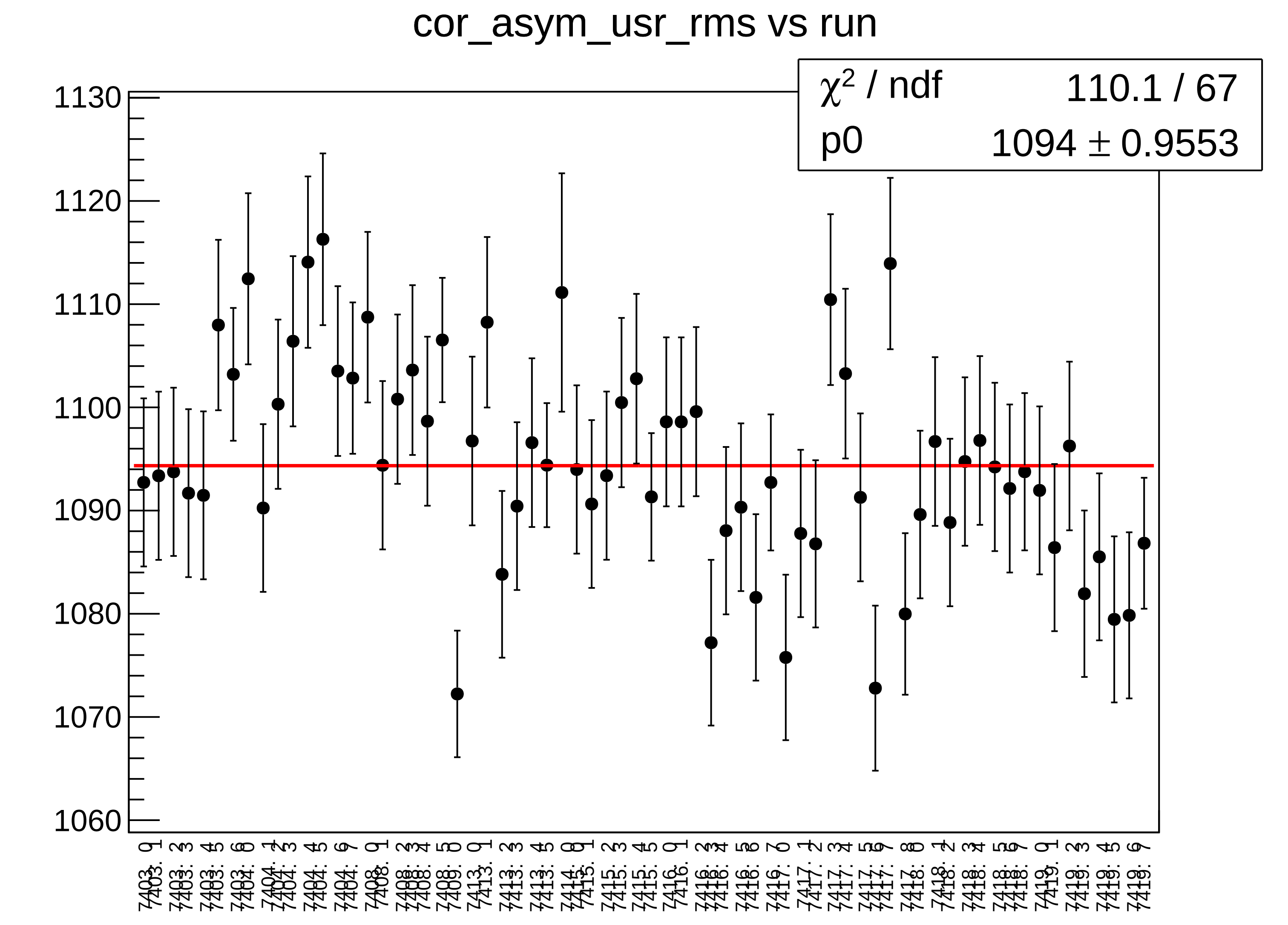
cor_asym_us_dd_rms vs run
χ^2 / ndf 66.69 / 67
p0 772.9 ± 0.6747
795
790
785
780
775
770
765
760
755

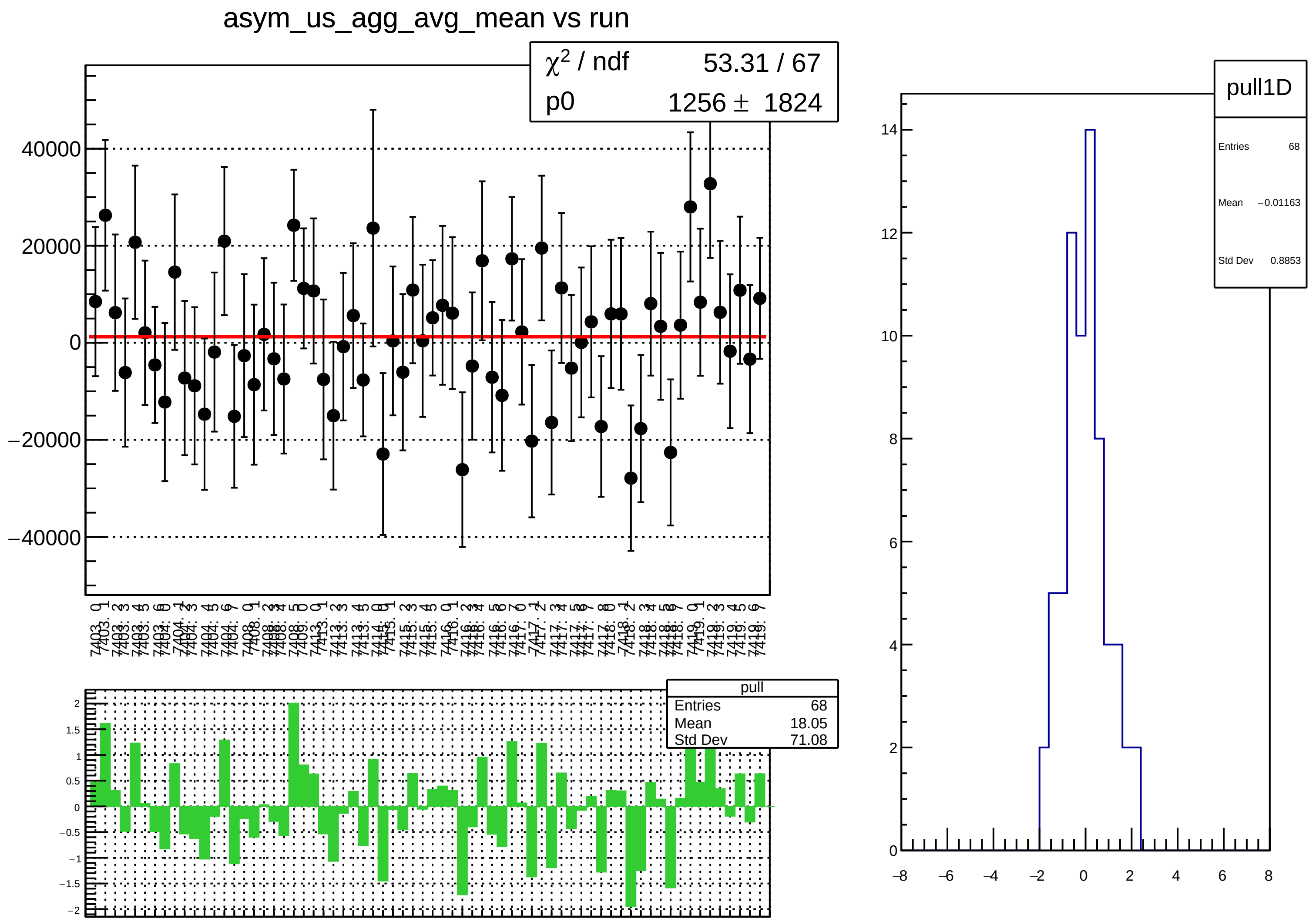


cor_asym_usl_mean vs run
χ^2 / ndf 53.49 / 67
p0 447 ± 1350
pull
Entries 68
Mean 2.289
Std Dev 29.31
pull1D
Entries 68
Mean −0.01273
Std Dev 0.8868

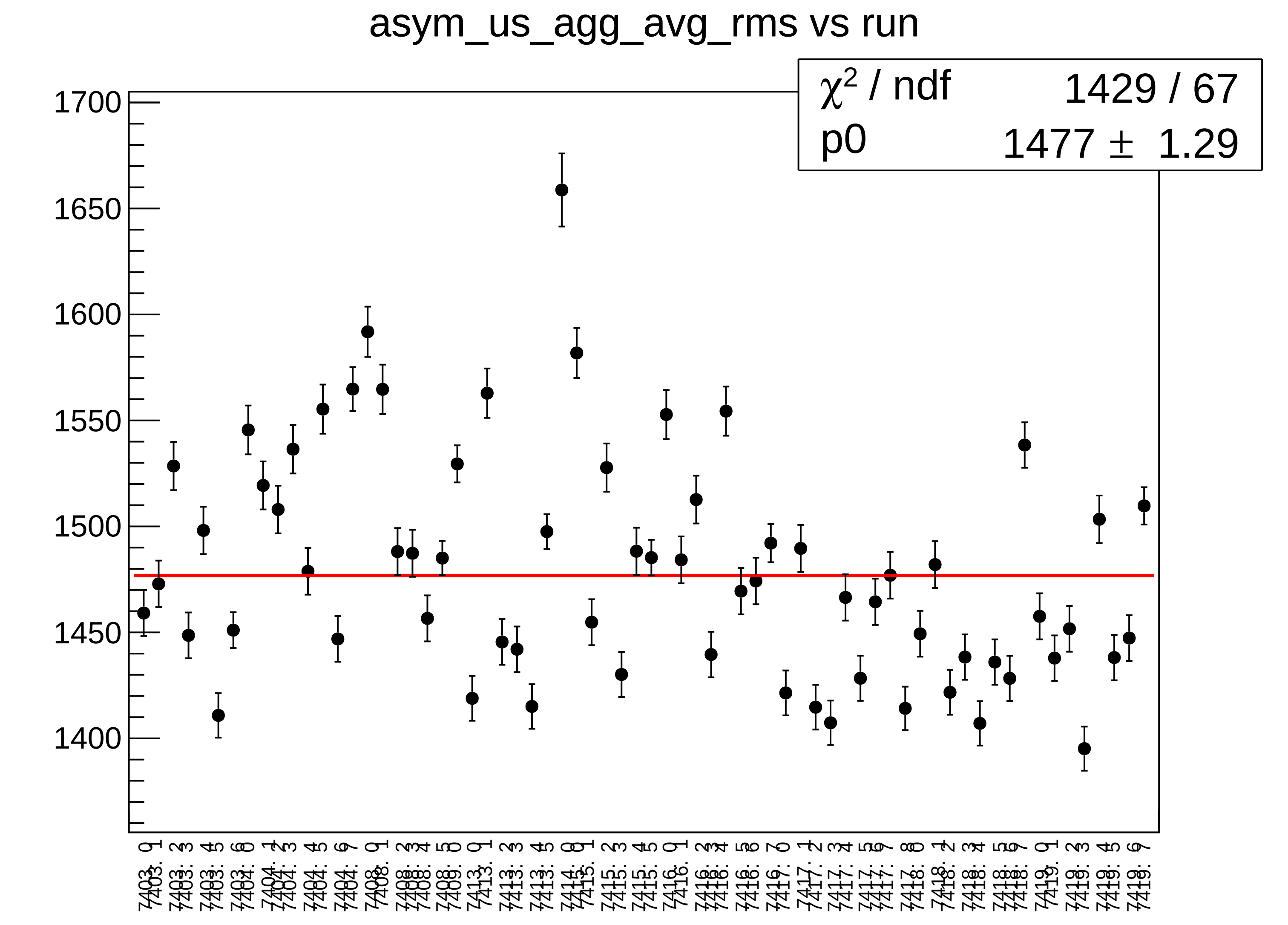

cor_asym_usl_rms vs run
χ2 / ndf 92.85 / 67
p0 1094 ± 0.9548
1130
1120
1110
1100
1090
1080
1070
1060


cor_asym_usr_mean vs run
χ^2 / ndf 55.26 / 67
p0 2586 ± 1351
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean −745.4
Std Dev 774
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 68
Mean −0.003038
Std Dev 0.9015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

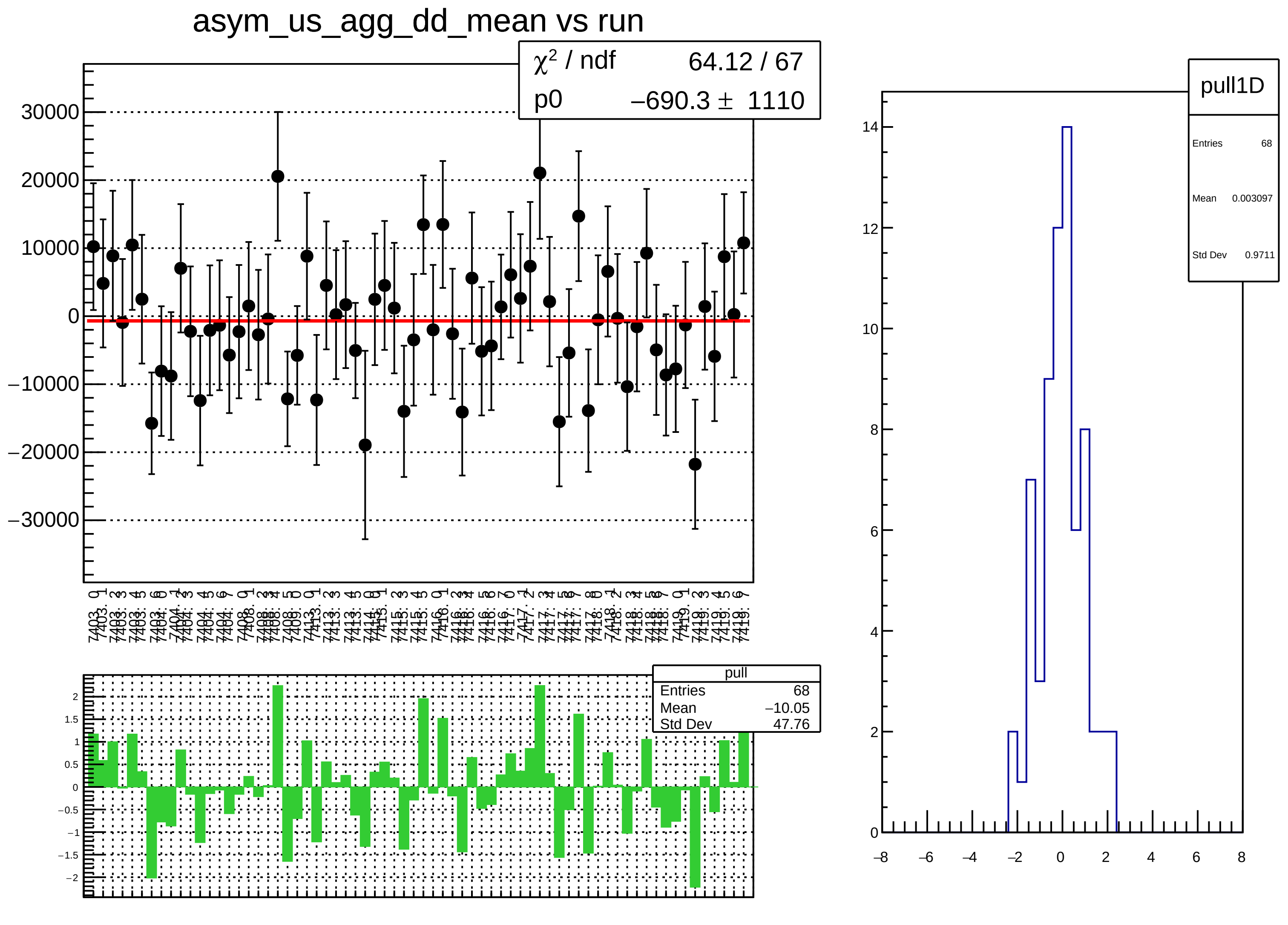

cor_asym_usr_rms vs run
χ^2 / ndf 110.1 / 67
p0 1094 ± 0.9553
1130
1120
1110
1100
1090
1080
1070
1060



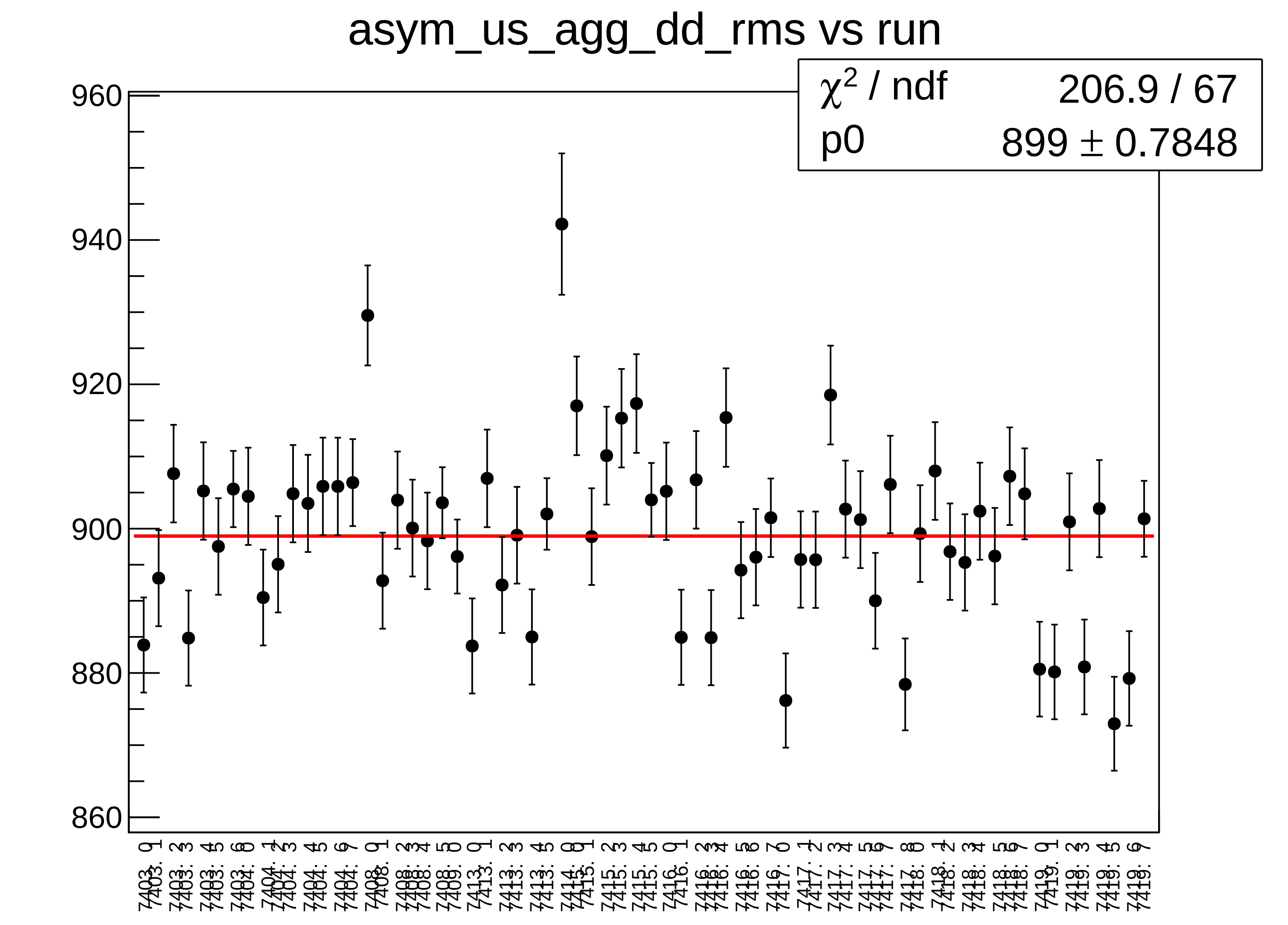
asym_us_agg_avg_mean vs run
χ^2 / ndf 53.31 / 67
p0 1256 ± 1824
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 18.05
Std Dev 71.08
pull1D
Entries 68
Mean −0.01163
Std Dev 0.8853



asym_us_agg_avg_rms vs run
χ2 / ndf 1429 / 67
p0 1477 ± 1.29
1700
1650
1600
1550
1500
1450
1400

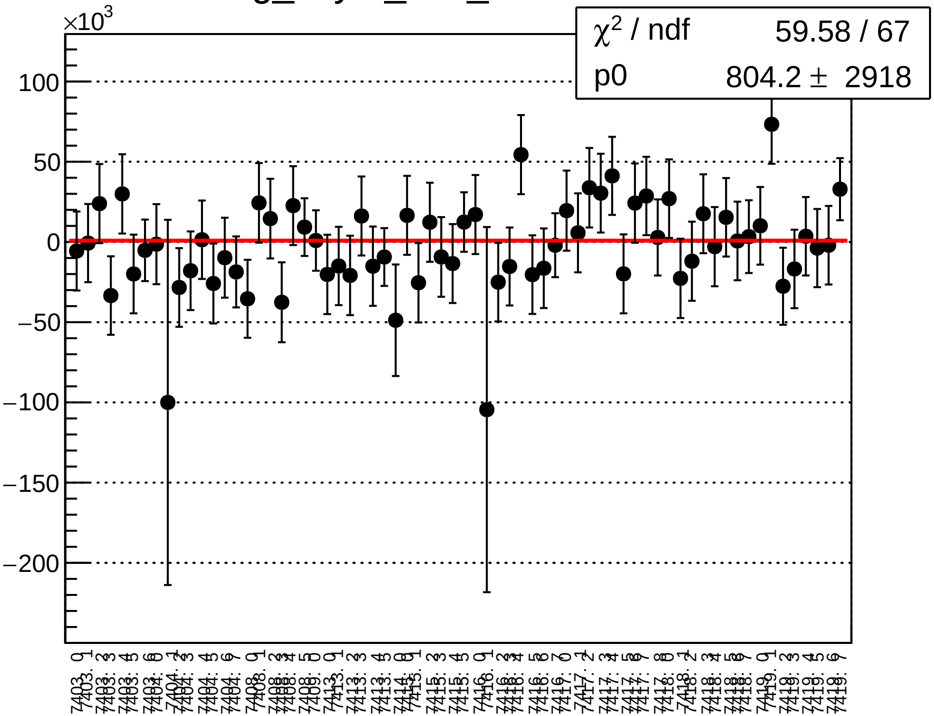


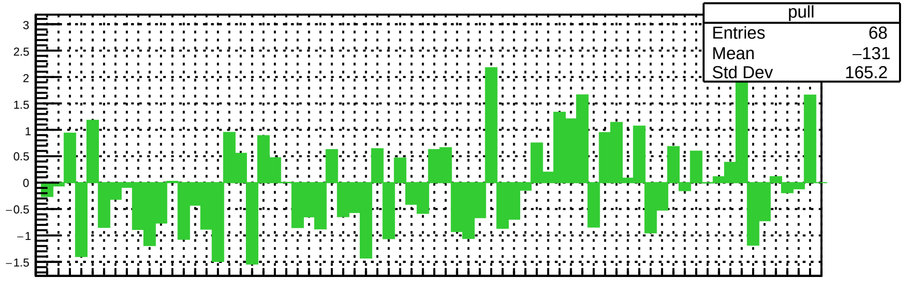
asym_us_agg_dd_mean vs run
χ^2 / ndf 64.12 / 67
p0 −690.3 ± 1110
pull
Entries 68
Mean −10.05
Std Dev 47.76
pull1D
Entries 68
Mean 0.003097
Std Dev 0.9711

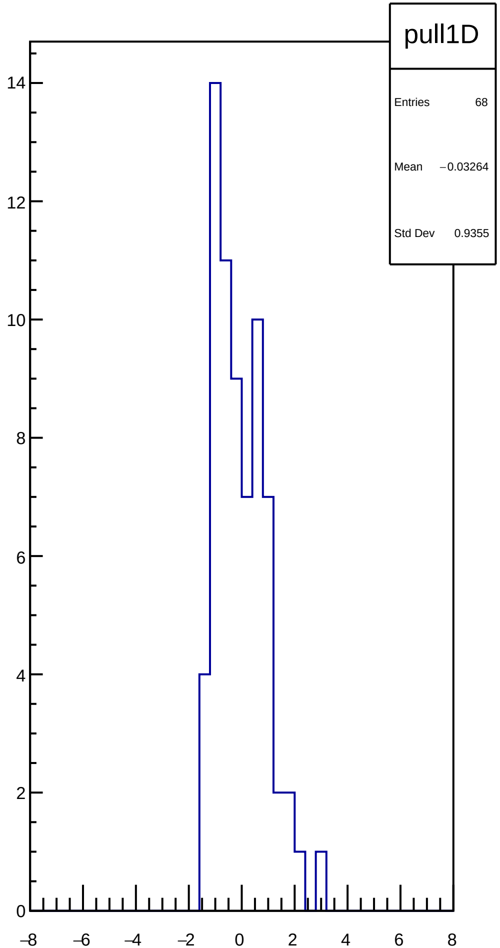


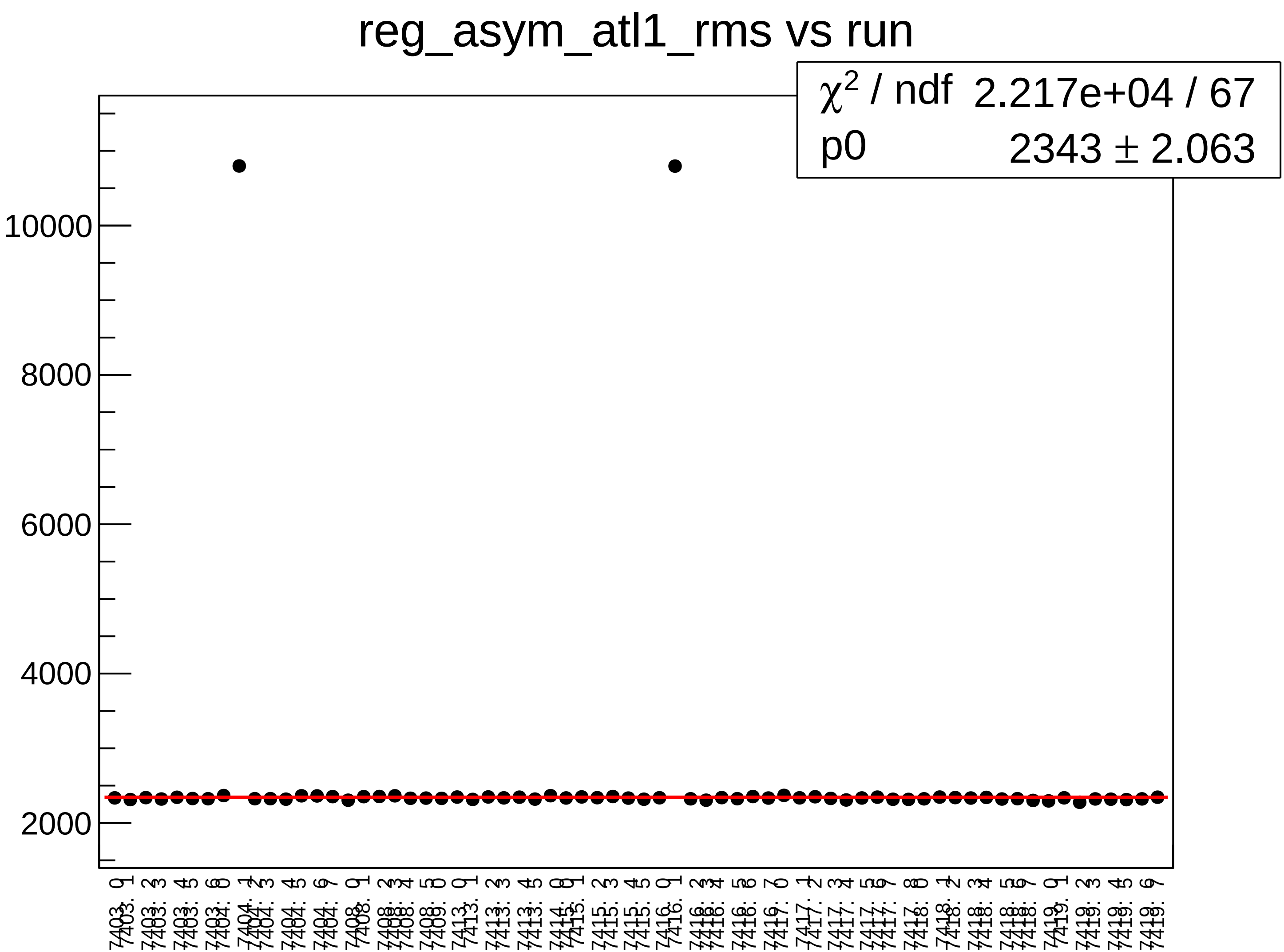
asym_us_agg_dd_rms vs run
χ^2 / ndf 206.9 / 67
p0 899 ± 0.7848
960
940
920
900
880
860

reg_asym_atl1_mean vs run

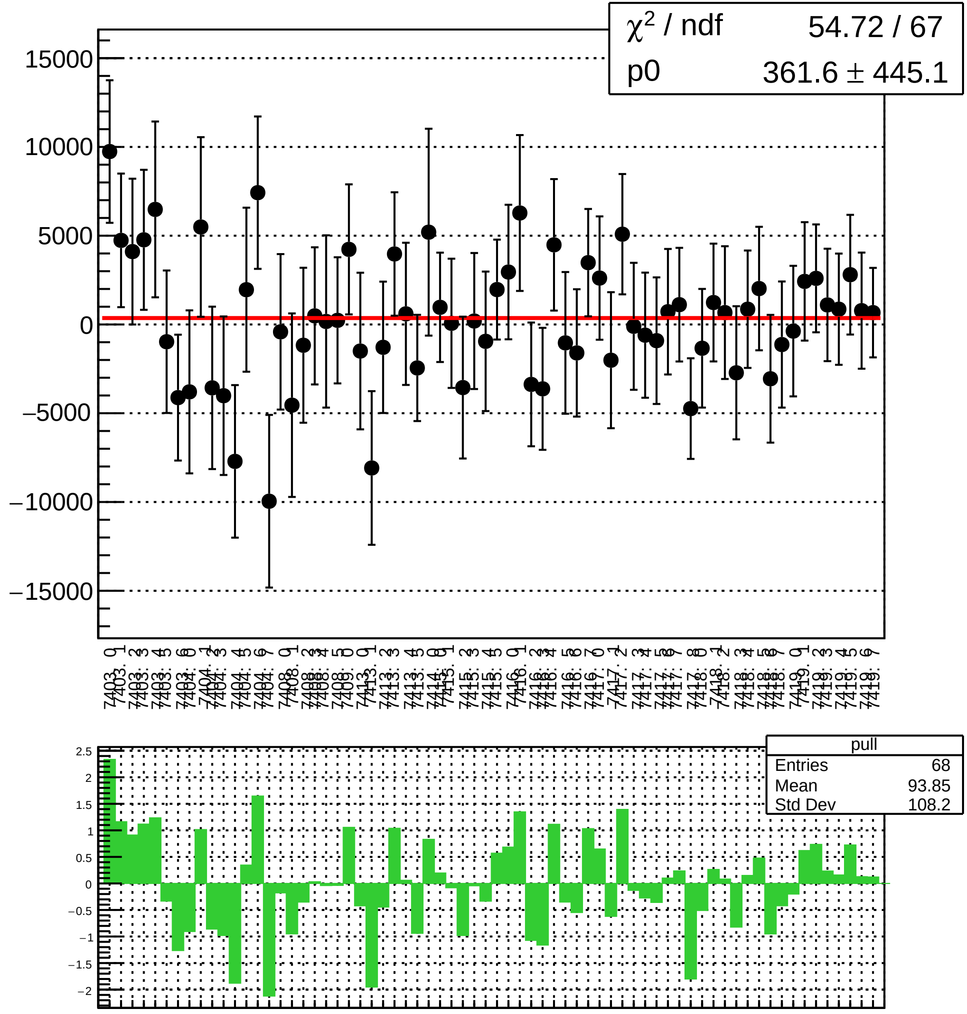


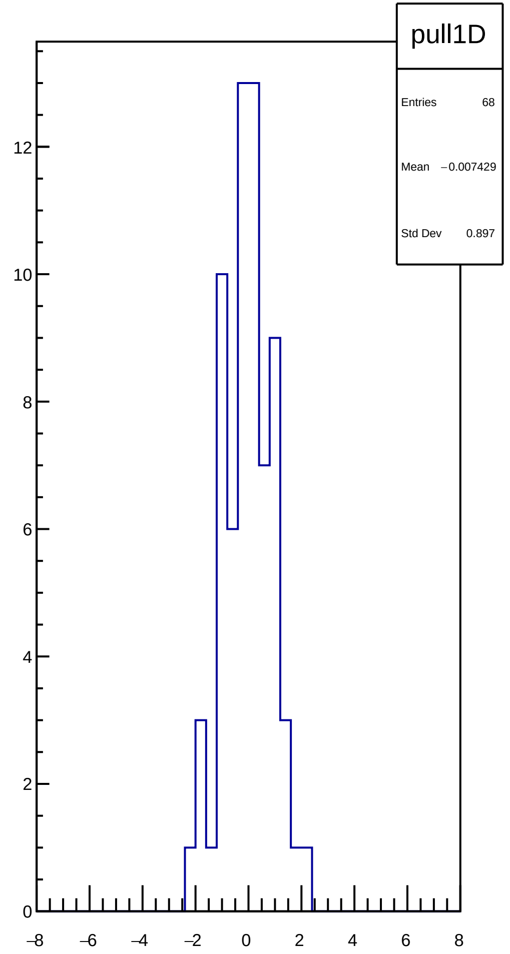


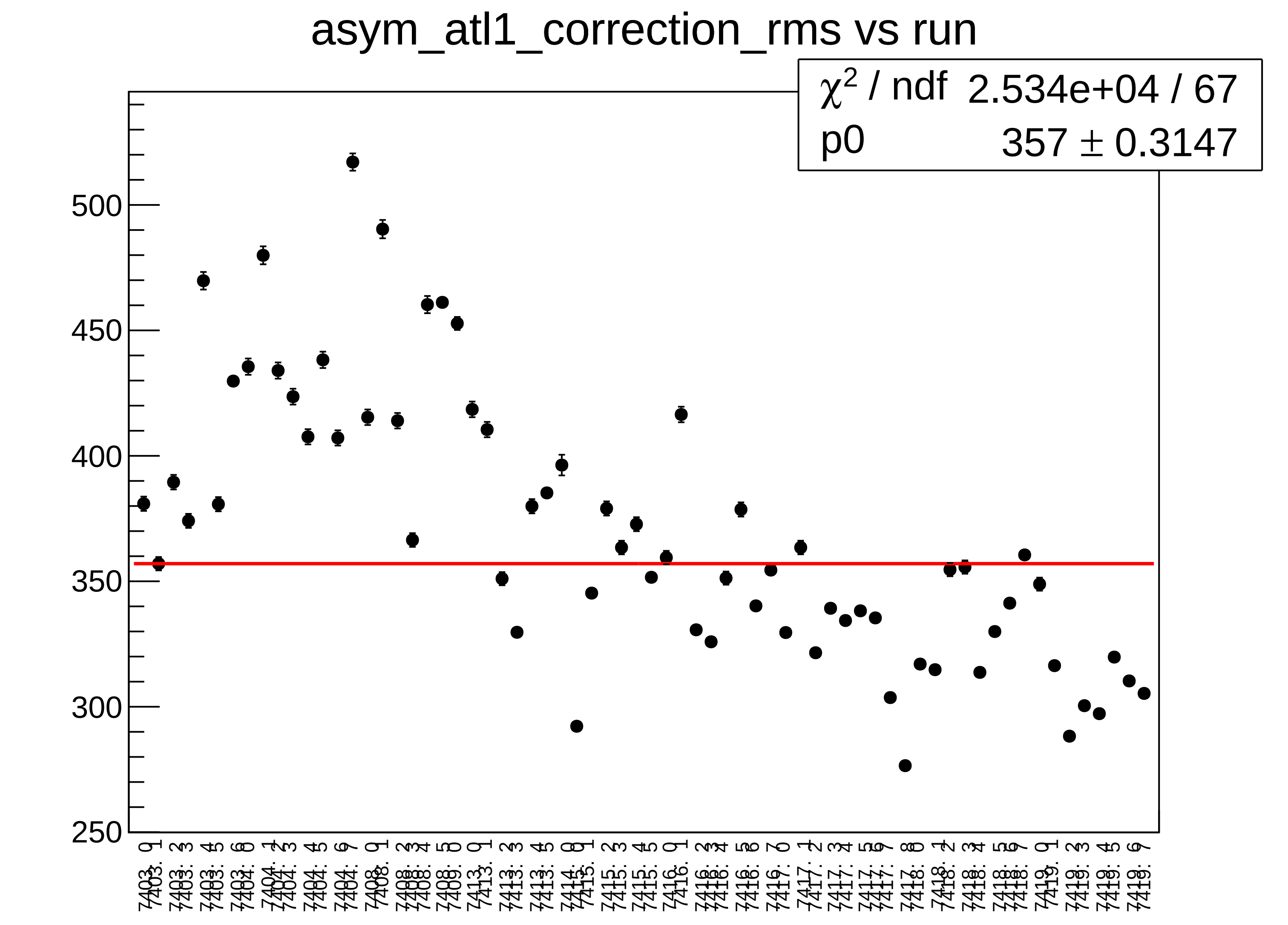


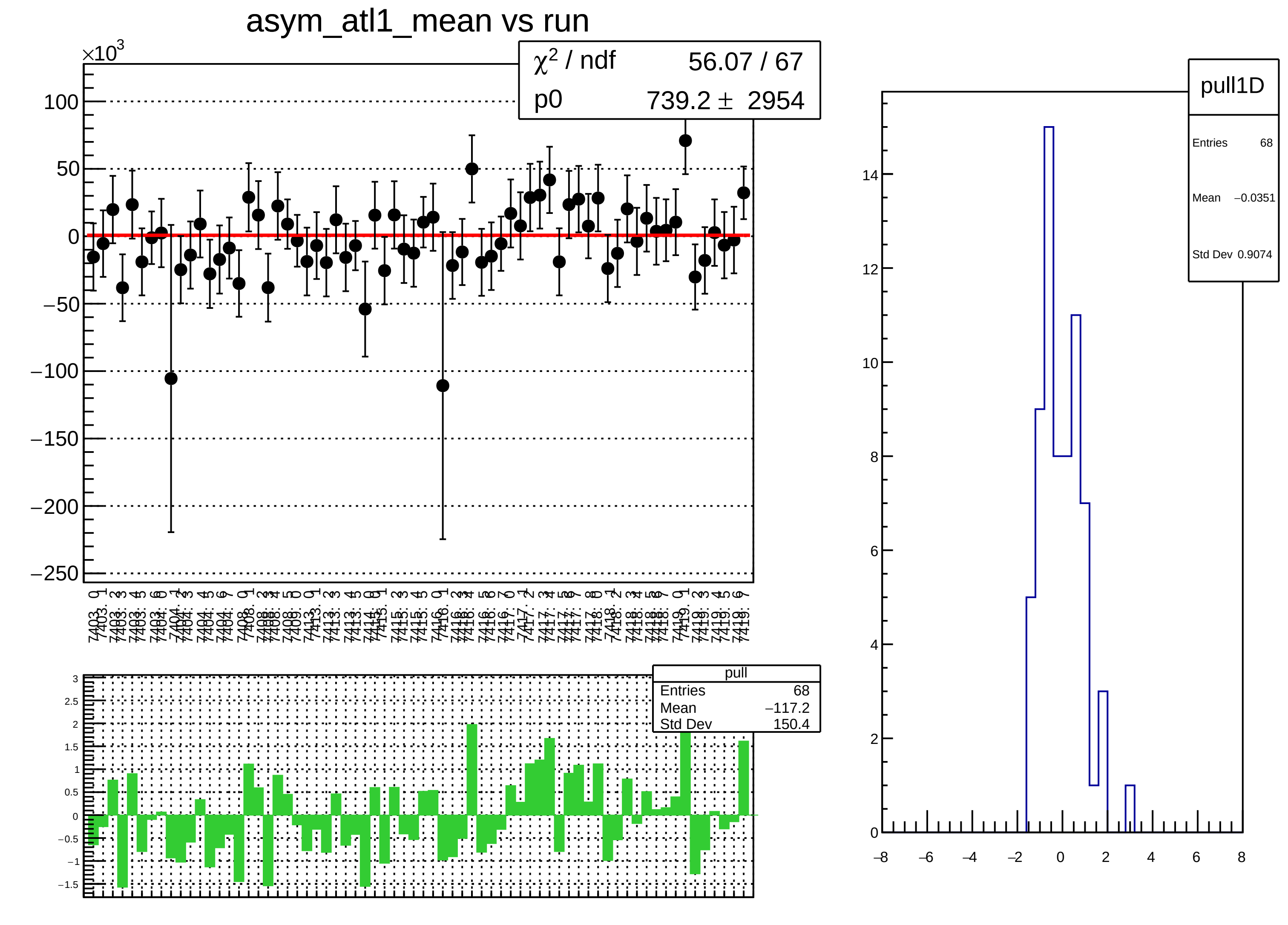

reg_asym_atl1_rms vs run
χ^2 / ndf 2.217e+04 / 67
p0 2343 ± 2.063
10000
8000
6000
4000
2000

asym_atl1_correction_mean vs run

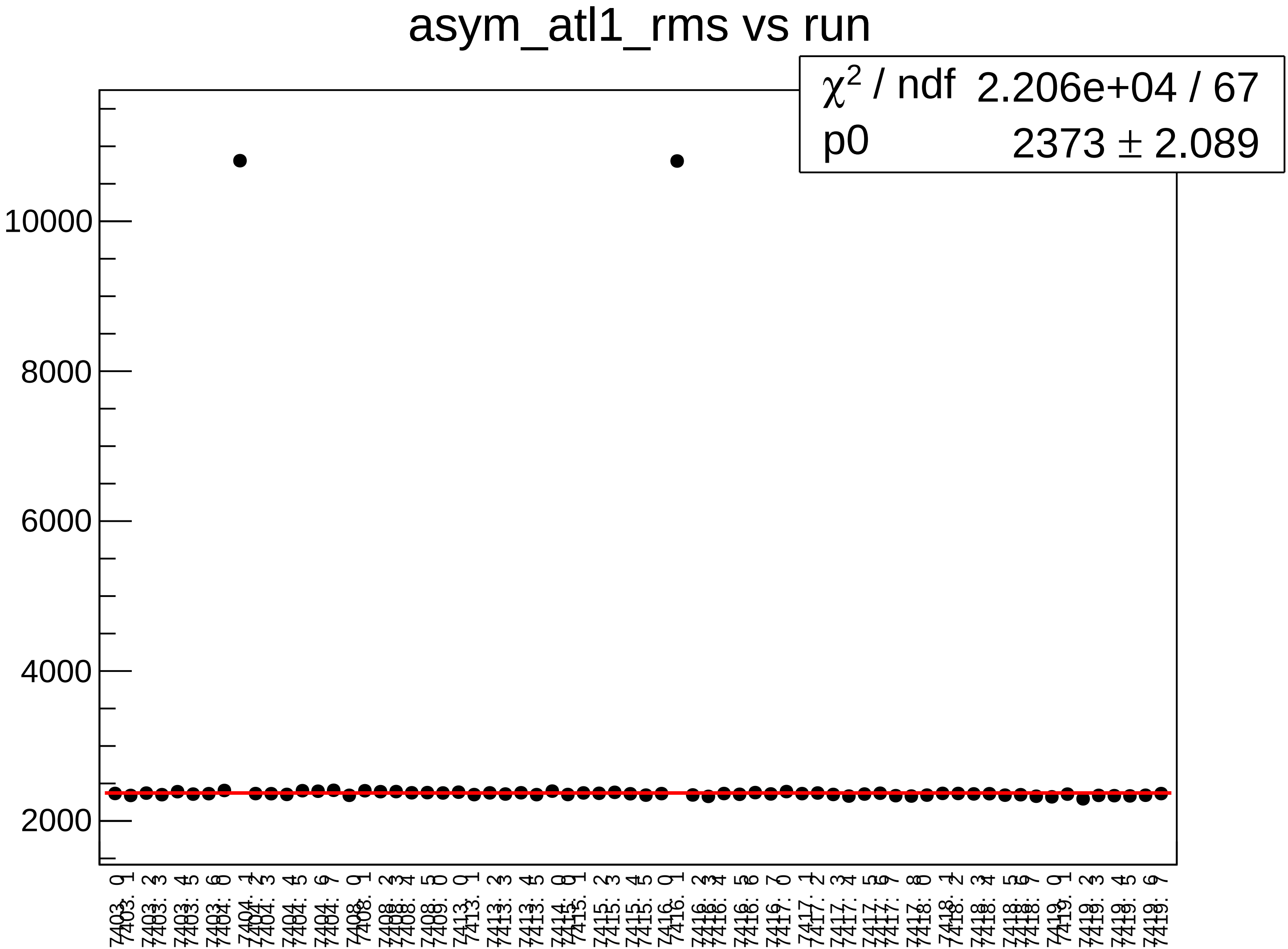




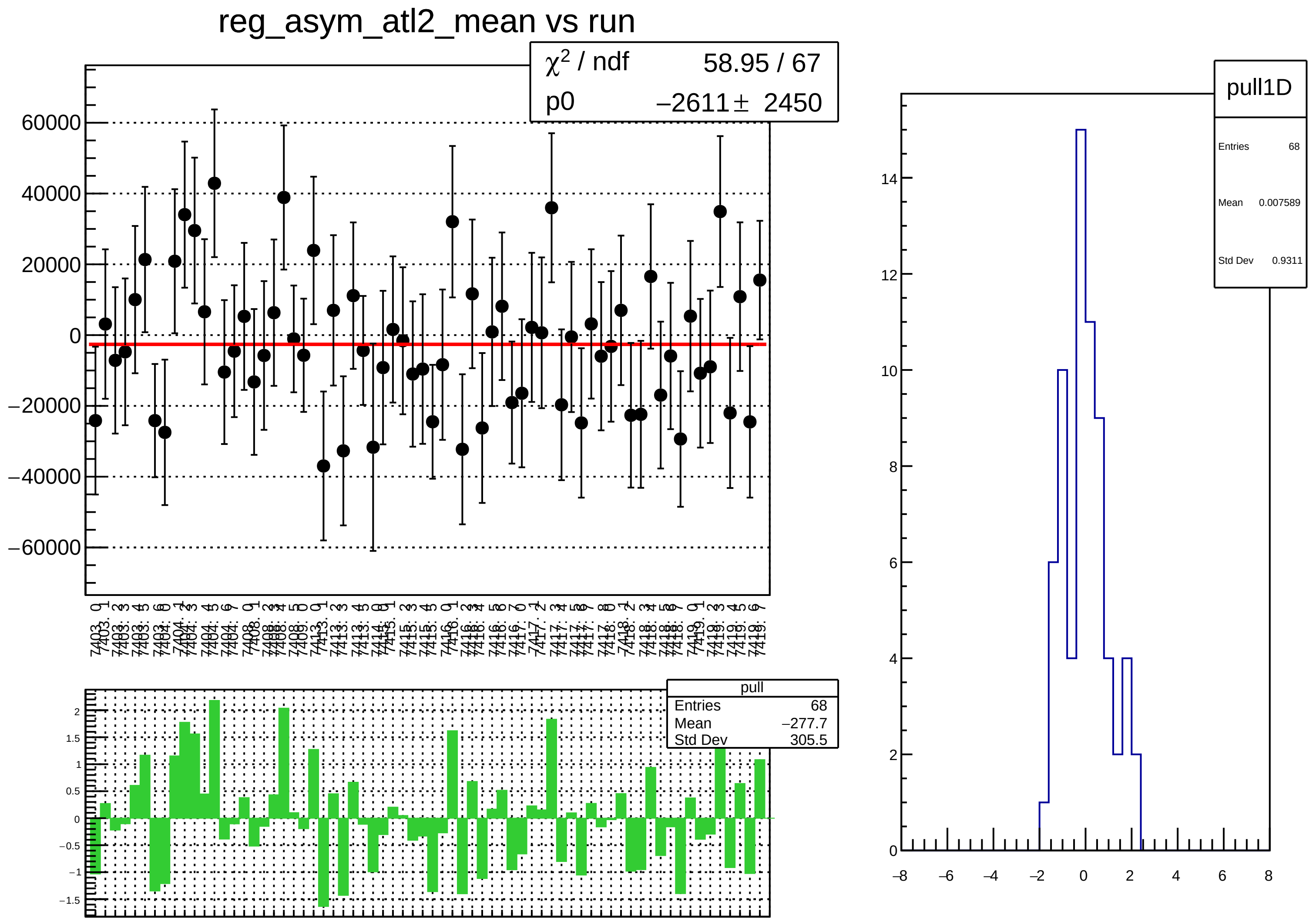

asym_atl1_correction_rms vs run
χ^2 / ndf 2.534e+04 / 67
p0 357 ± 0.3147
500
450
400
350
300
250

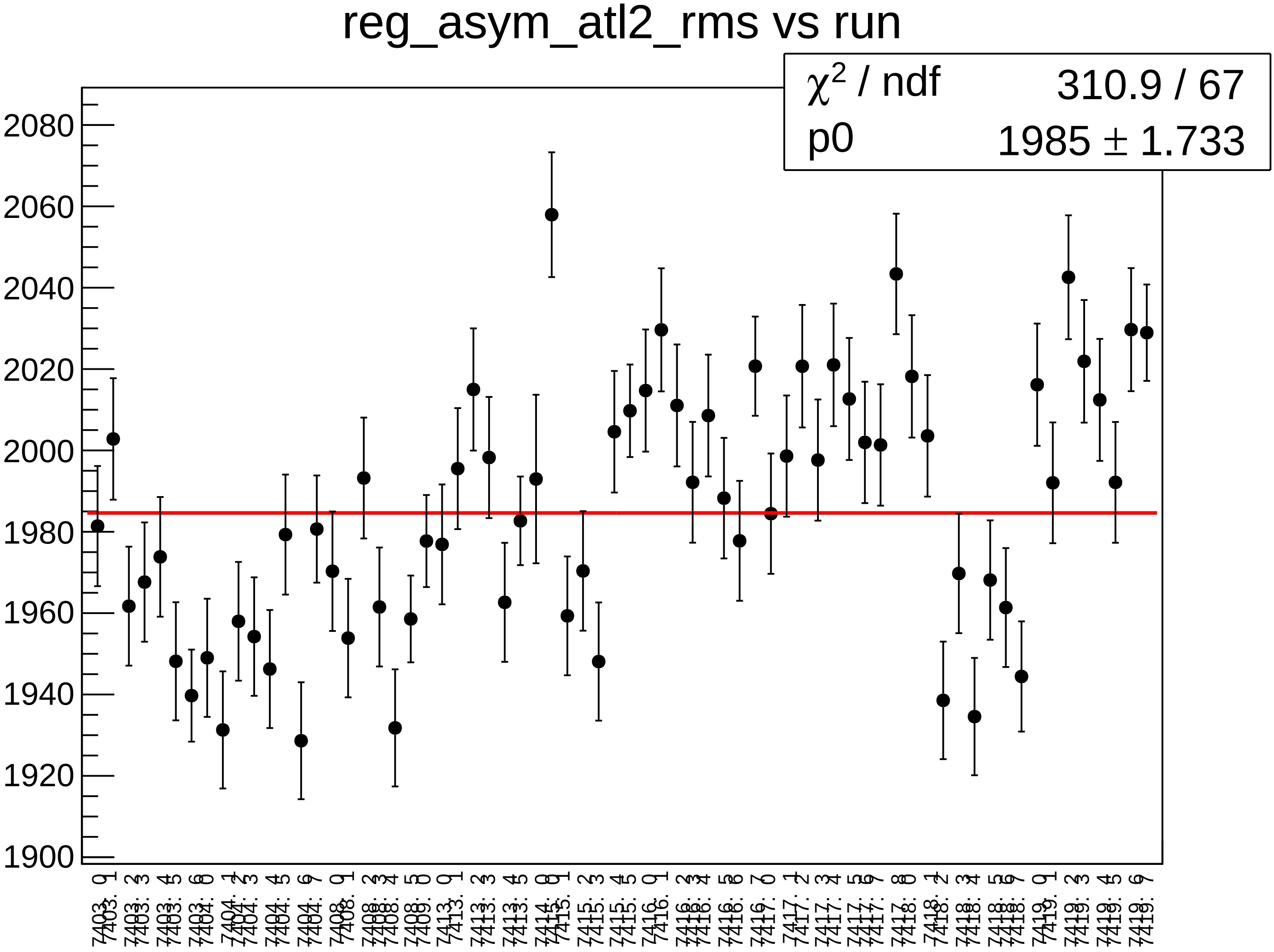


asym_atl1_mean vs run
χ^2 / ndf 56.07 / 67
p0 739.2 ± 2954
pull
Entries 68
Mean −117.2
Std Dev 150.4
pull1D
Entries 68
Mean −0.0351
Std Dev 0.9074

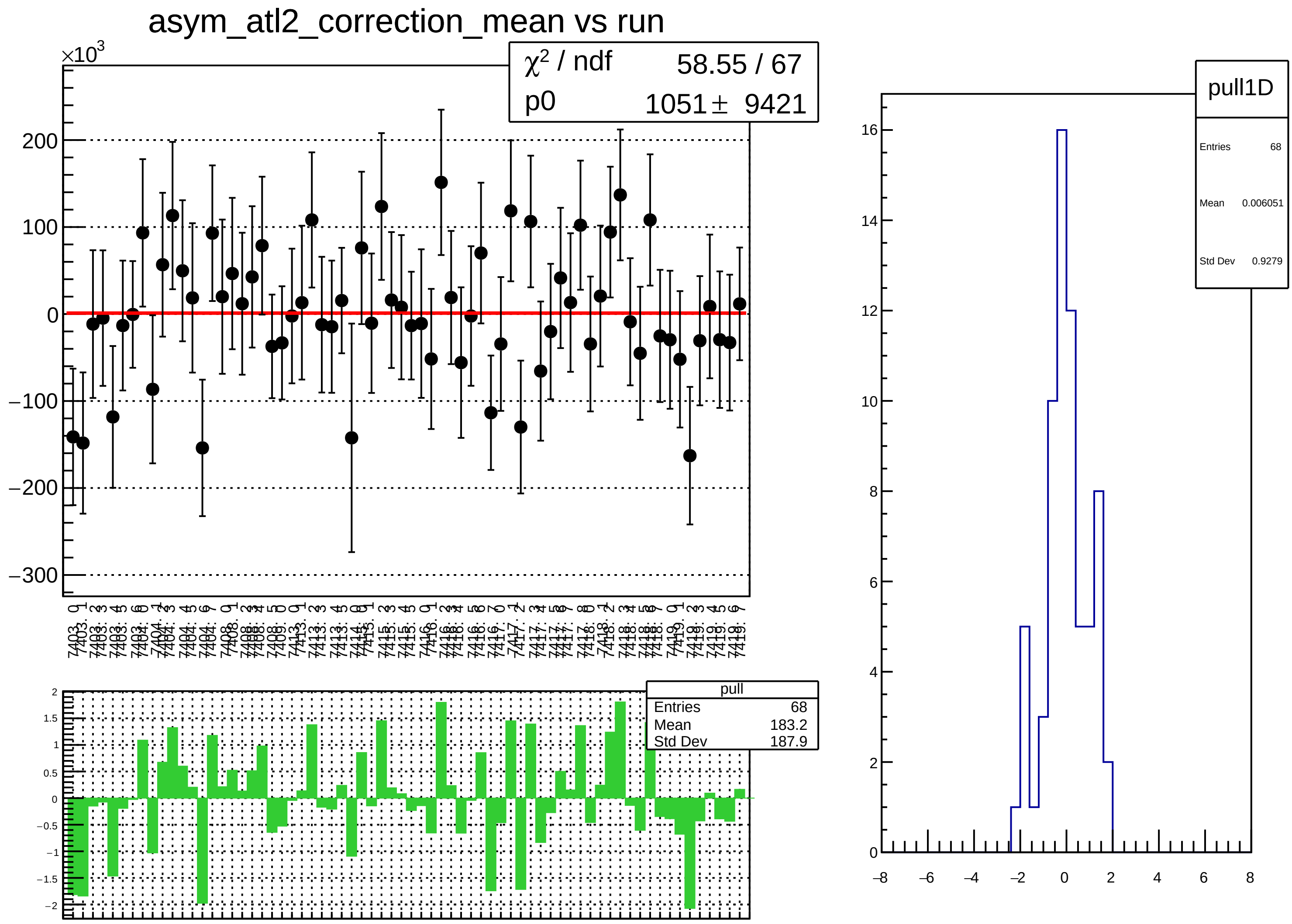


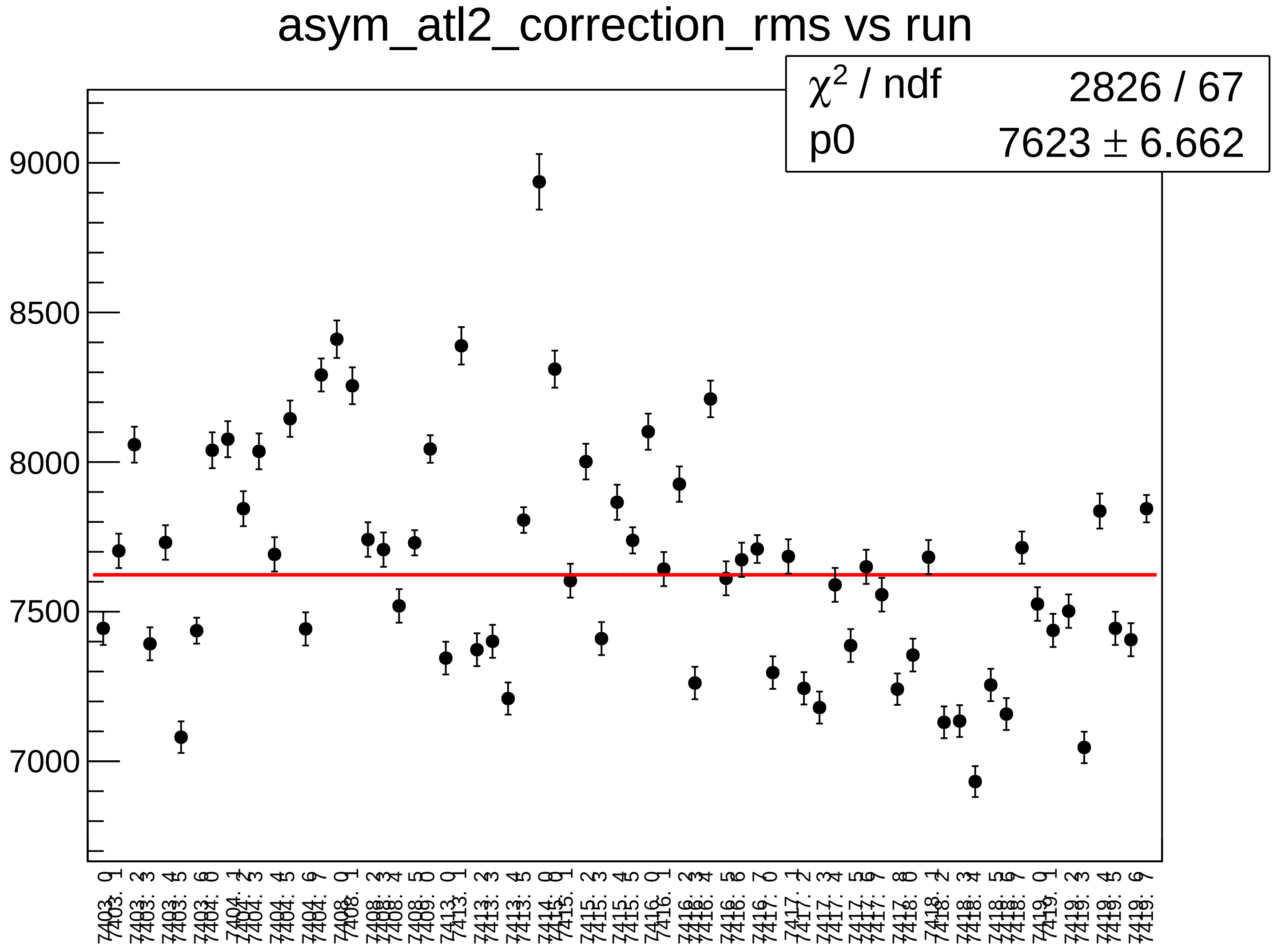
asym_atl1_rms vs run
χ^2 / ndf 2.206e+04 / 67
p0 2373 ± 2.089
10000
8000
6000
4000
2000


reg_asym_atl2_mean vs run
χ^2 / ndf 58.95 / 67
p0 −2611 ± 2450
pull
Entries 68
Mean −277.7
Std Dev 305.5
pull1D
Entries 68
Mean 0.007589
Std Dev 0.9311

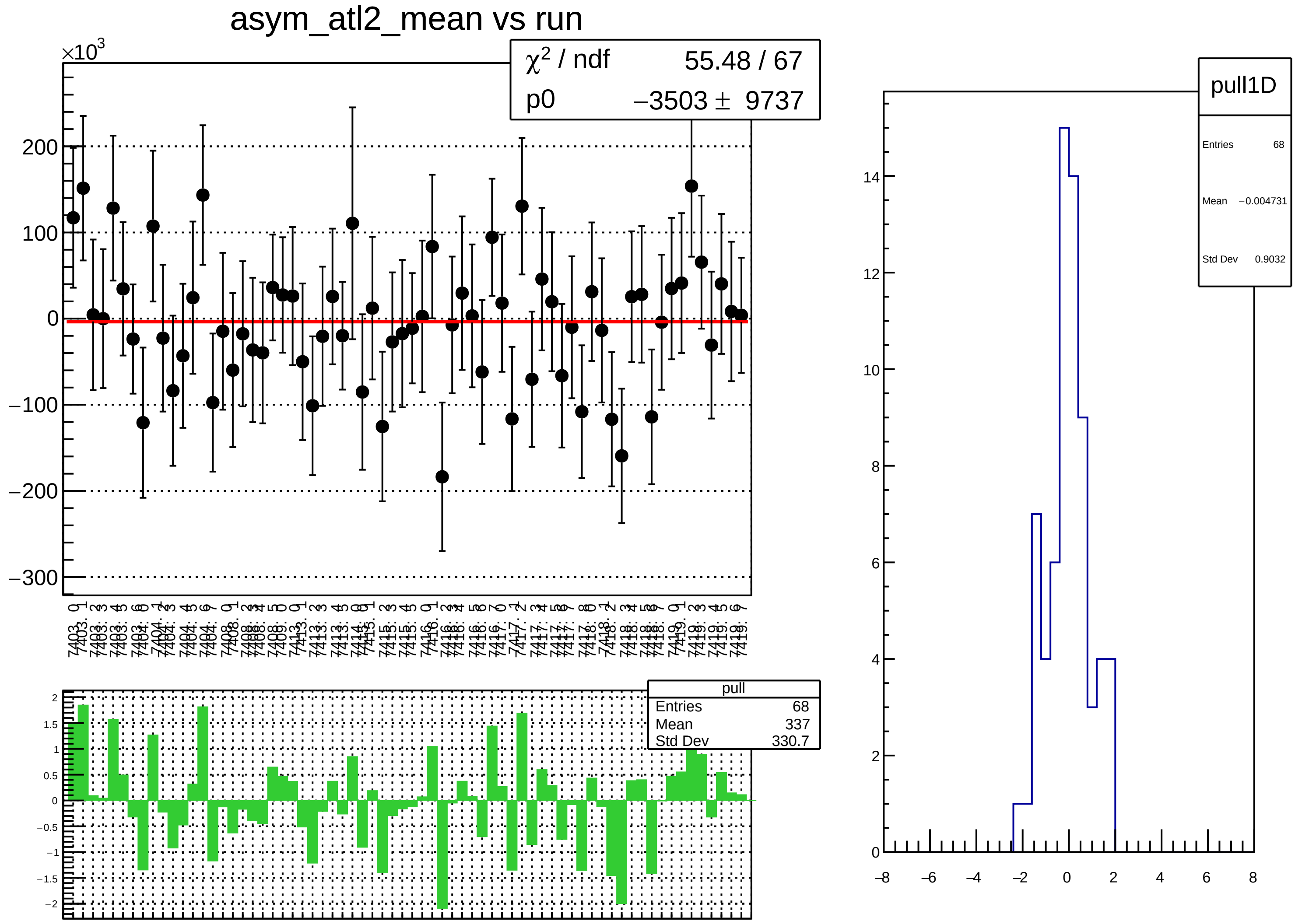


reg_asym_atl2_rms vs run
χ2 / ndf 310.9 / 67
p0 1985 ± 1.733
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900

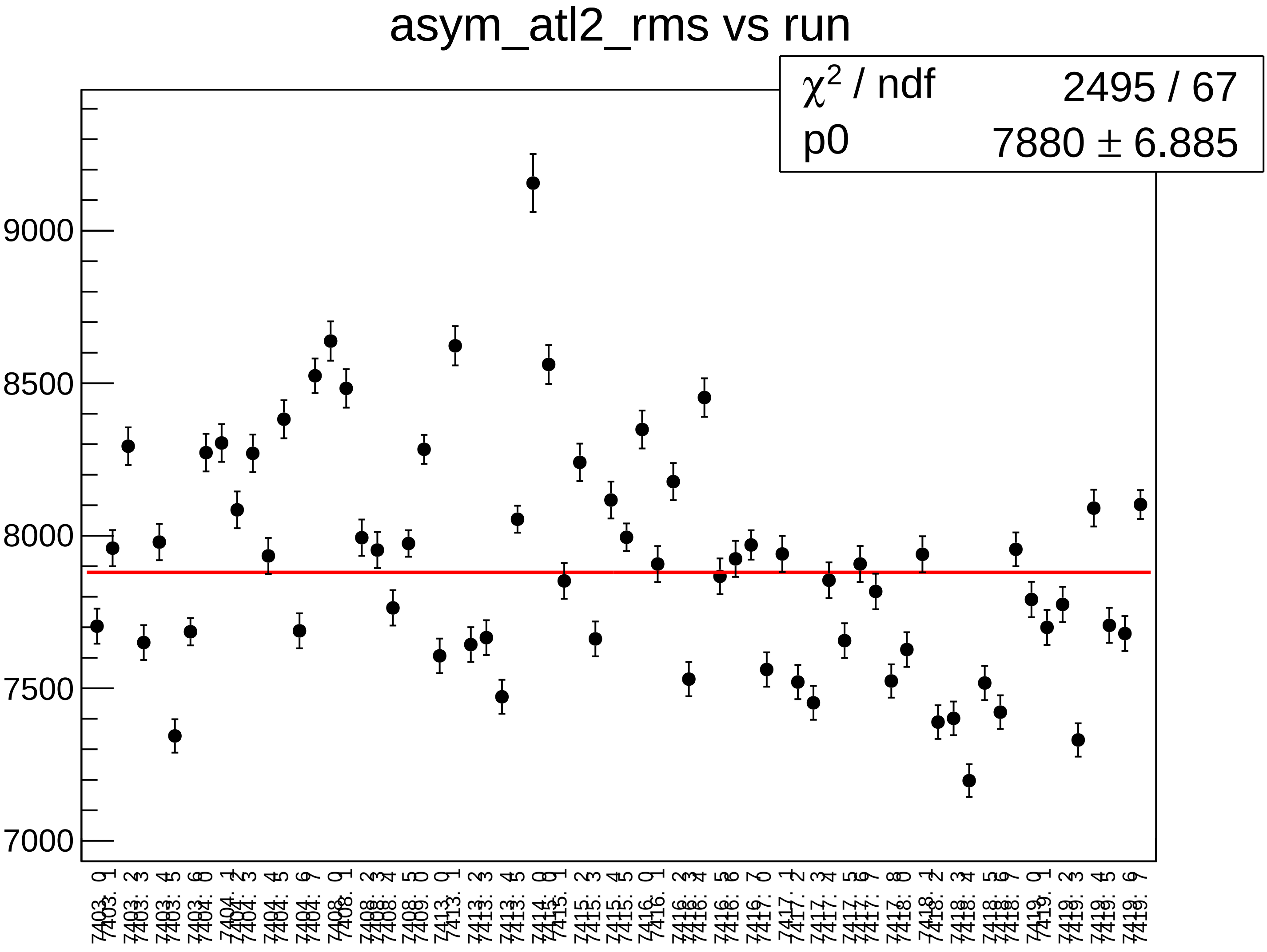

asym_atl2_correction_mean vs run
$\times 10^3$
χ^2 / ndf 58.55 / 67
p0 1051 ± 9421
pull
Entries 68
Mean 183.2
Std Dev 187.9
pull1D
Entries 68
Mean 0.006051
Std Dev 0.9279



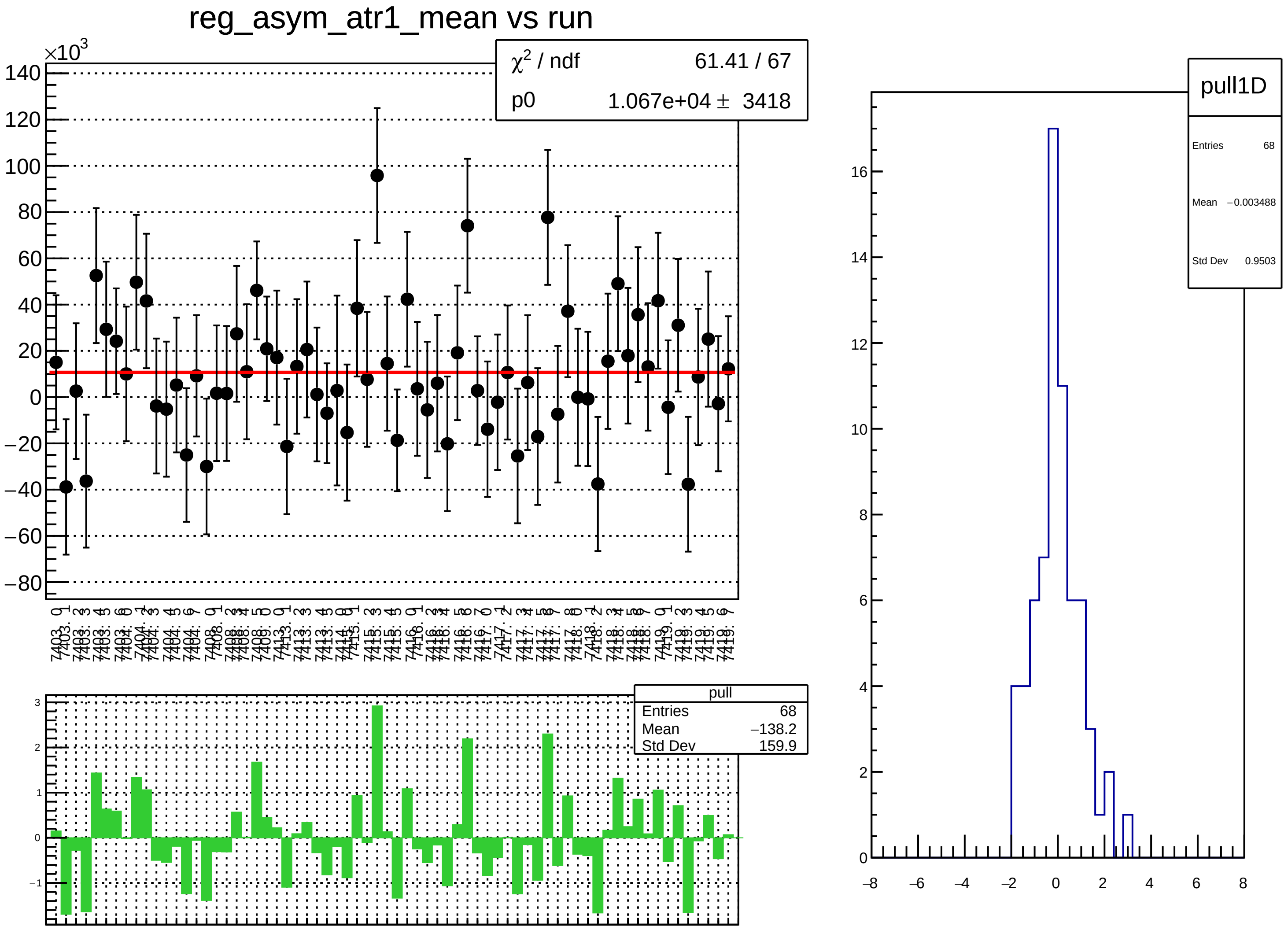
asym_atl2_correction_rms vs run
χ^2 / ndf 2826 / 67
p0 7623 ± 6.662
9000
8500
8000
7500
7000



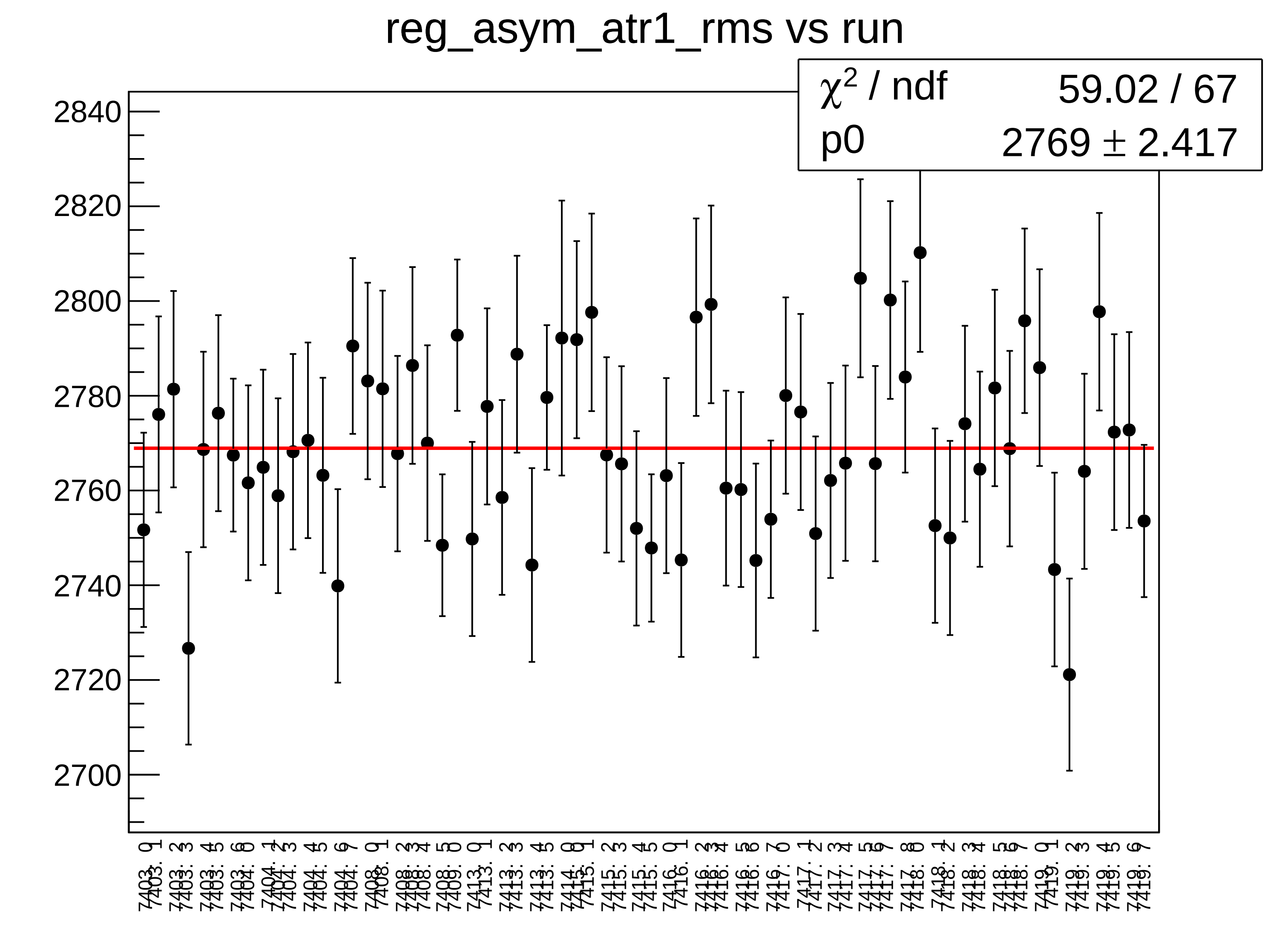
asym_atl2_mean vs run
×10^3
χ2 / ndf 55.48 / 67
p0 −3503 ± 9737
200
100
0
−100
−200
−300
pull
Entries 68
Mean 337
Std Dev 330.7
pull1D
Entries 68
Mean −0.004731
Std Dev 0.9032



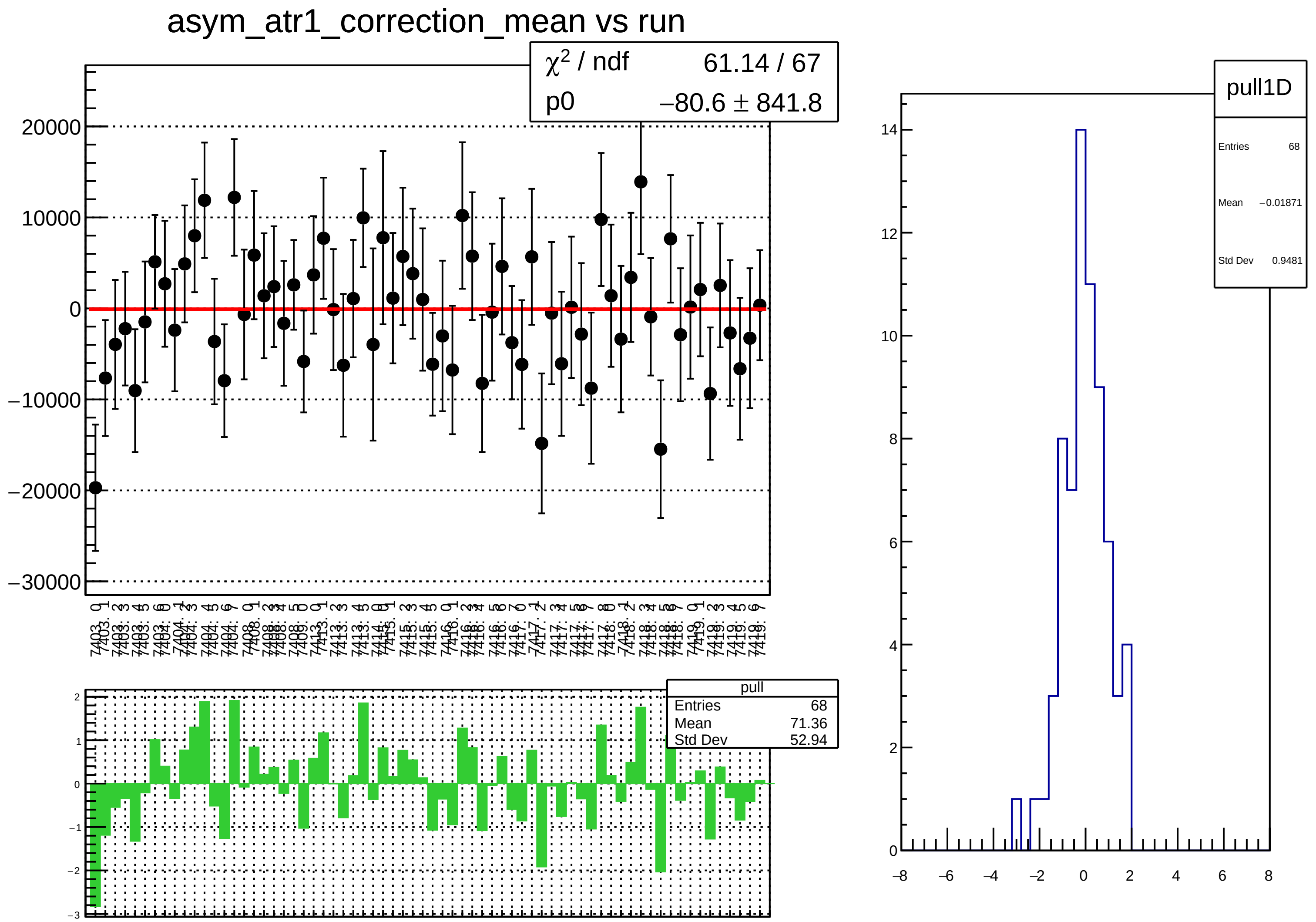
asym_atl2_rms vs run
χ^2 / ndf 2495 / 67
p0 7880 ± 6.885
9000
8500
8000
7500
7000



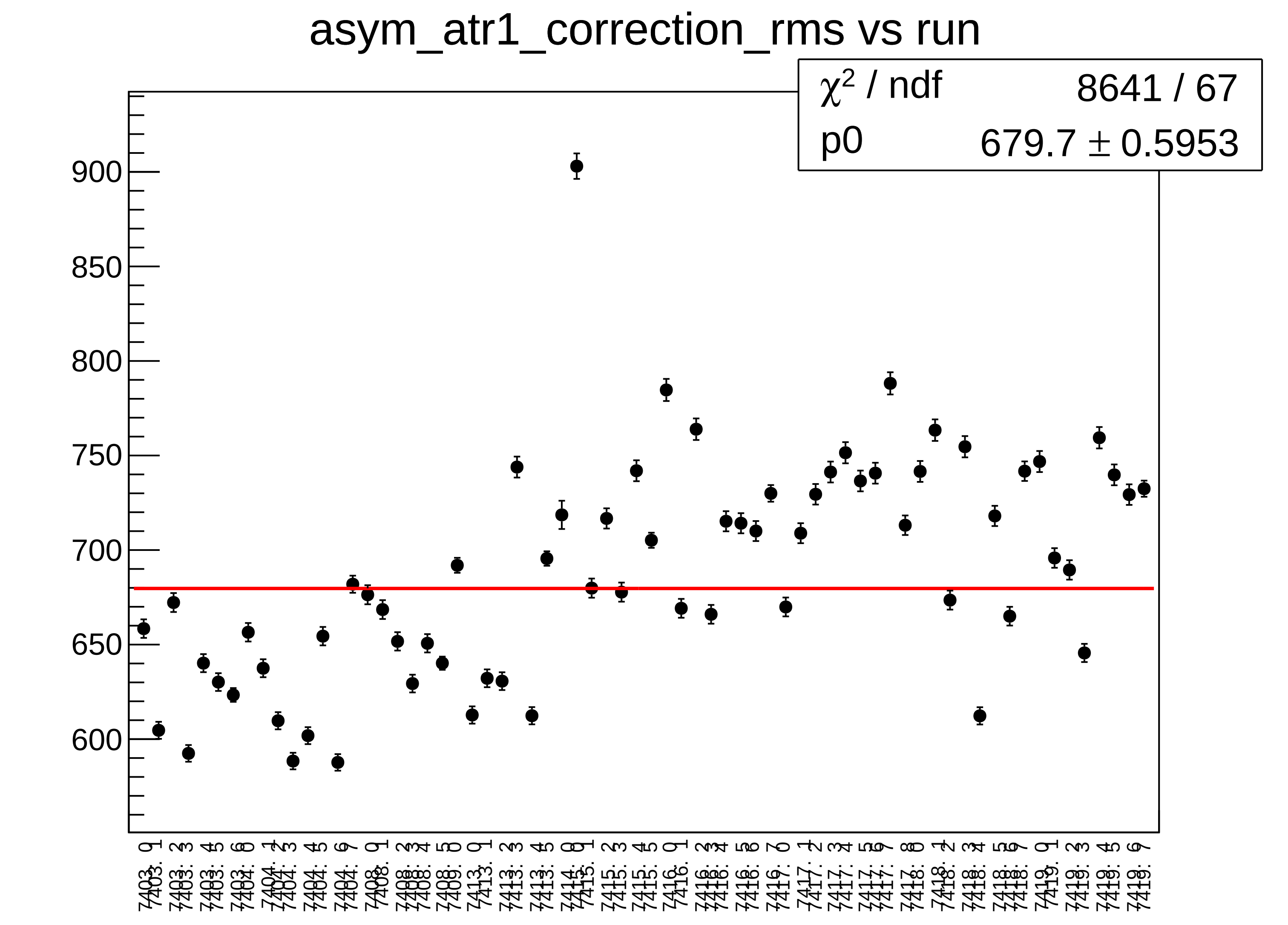
reg_asym_atr1_mean vs run
χ^2 / ndf 61.41 / 67
p0 1.067e+04 ± 3418
pull
Entries 68
Mean −138.2
Std Dev 159.9
pull1D
Entries 68
Mean −0.003488
Std Dev 0.9503

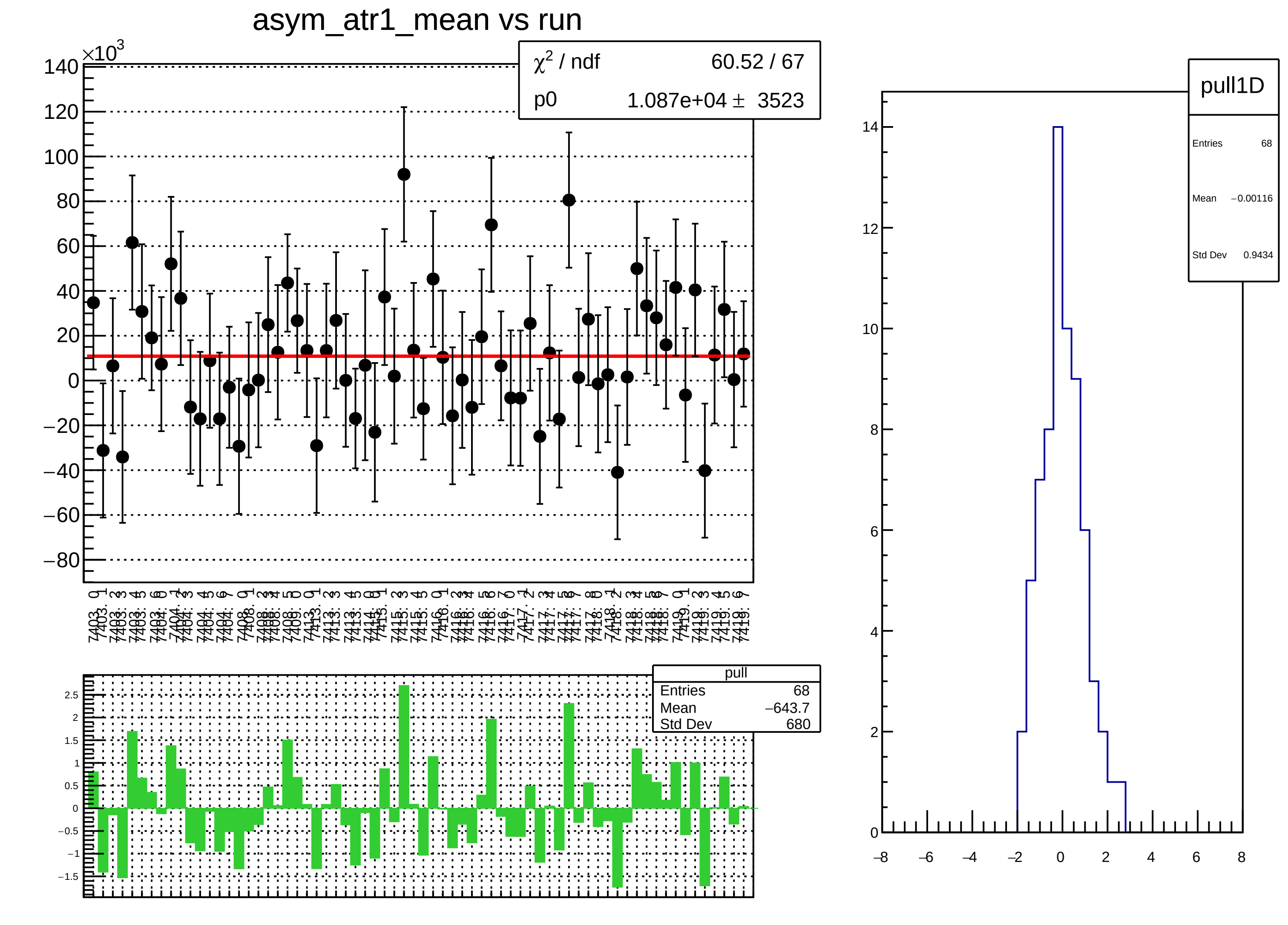


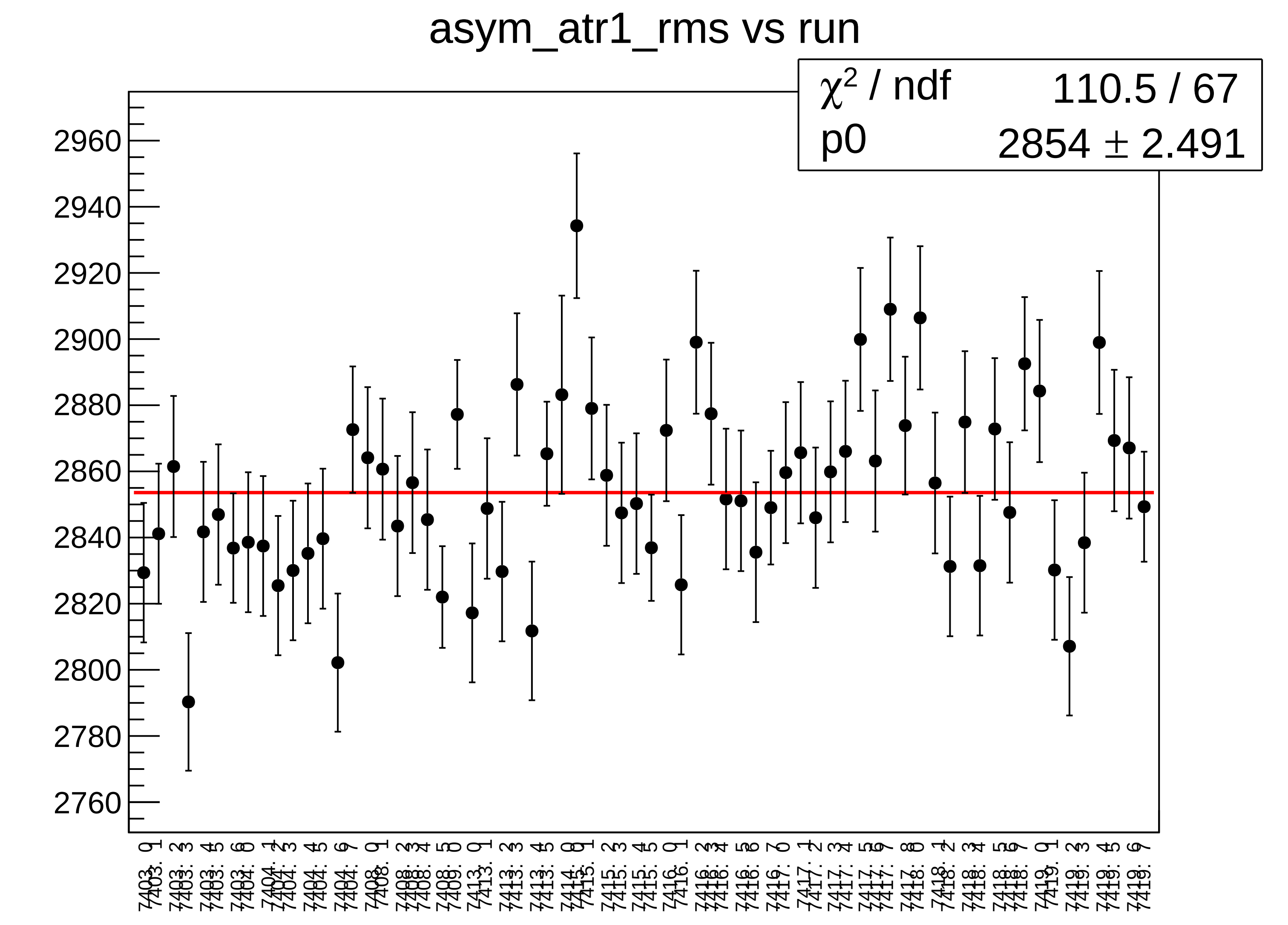
reg_asym_atr1_rms vs run
χ^2 / ndf 59.02 / 67
p0 2769 ± 2.417



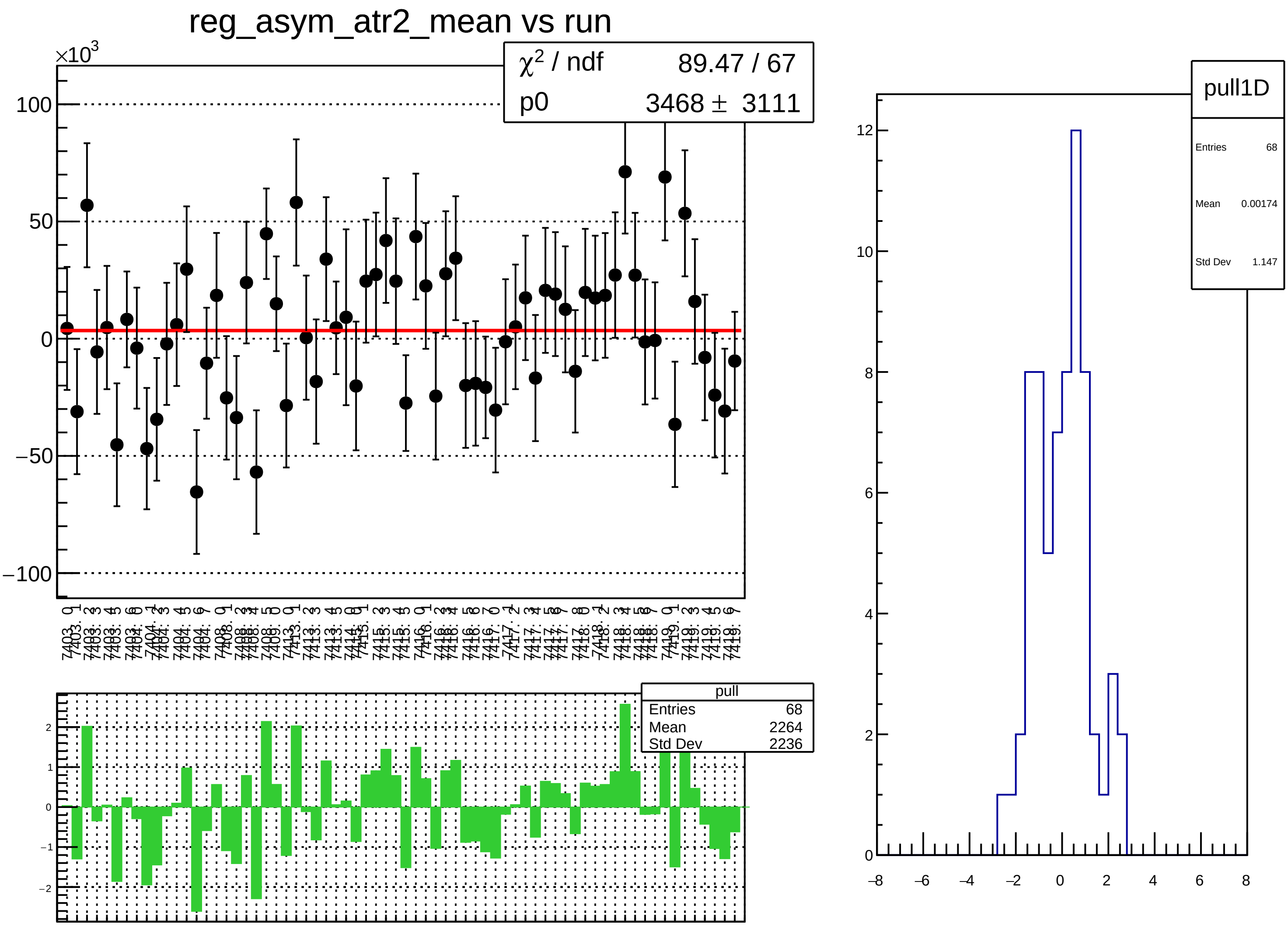
asym_atr1_correction_mean vs run
χ^2 / ndf 61.14 / 67
p0 −80.6 ± 841.8
pull
Entries 68
Mean 71.36
Std Dev 52.94
pull1D
Entries 68
Mean −0.01871
Std Dev 0.9481


asym_atr1_correction_rms vs run
χ2 / ndf 8641 / 67
p0 679.7 ± 0.5953
900
850
800
750
700
650
600

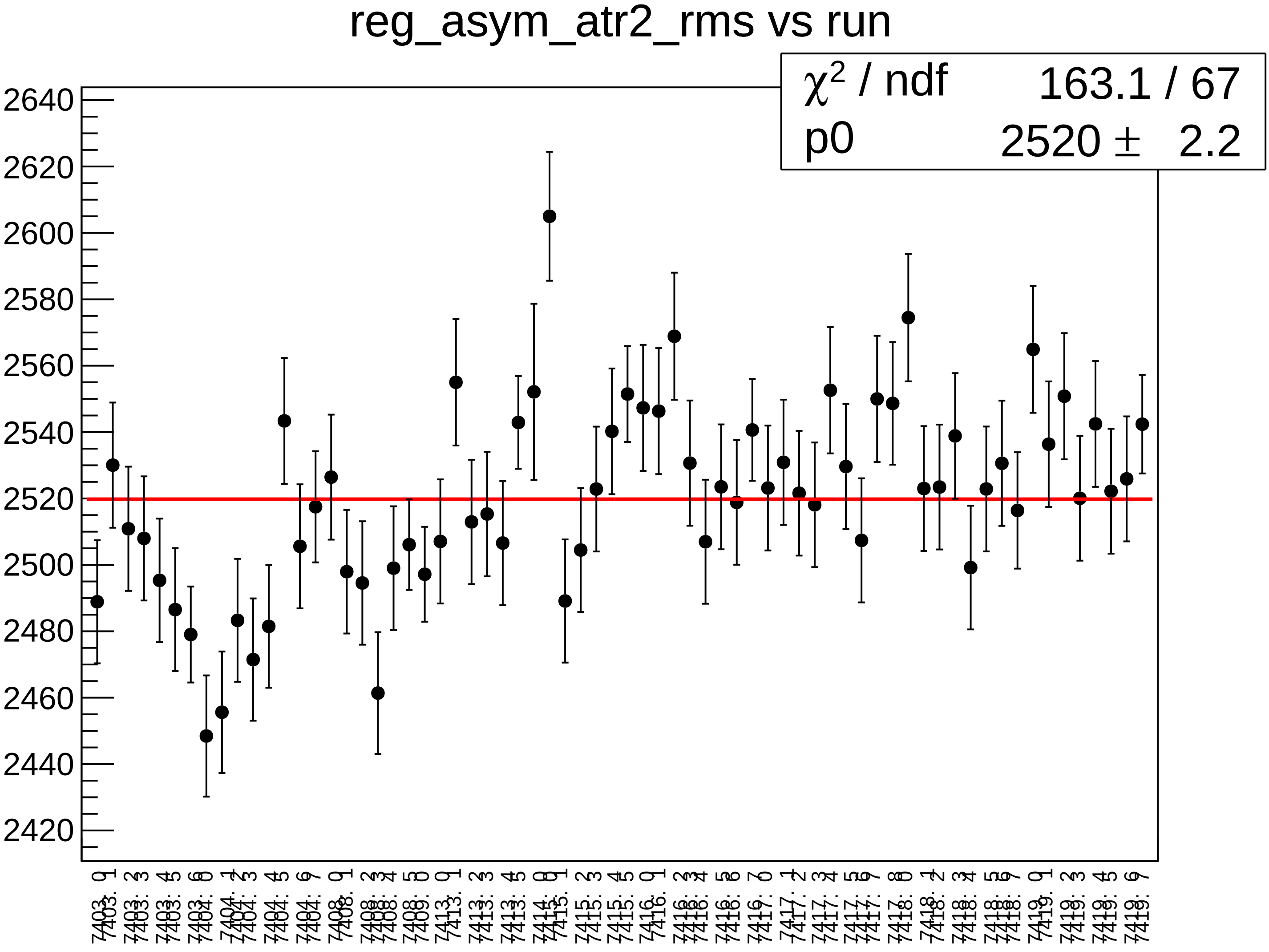

asym_atr1_mean vs run
χ^2 / ndf 60.52 / 67
p0 1.087e+04 ± 3523
×10^3
pull
Entries 68
Mean −643.7
Std Dev 680
pull1D
Entries 68
Mean −0.00116
Std Dev 0.9434

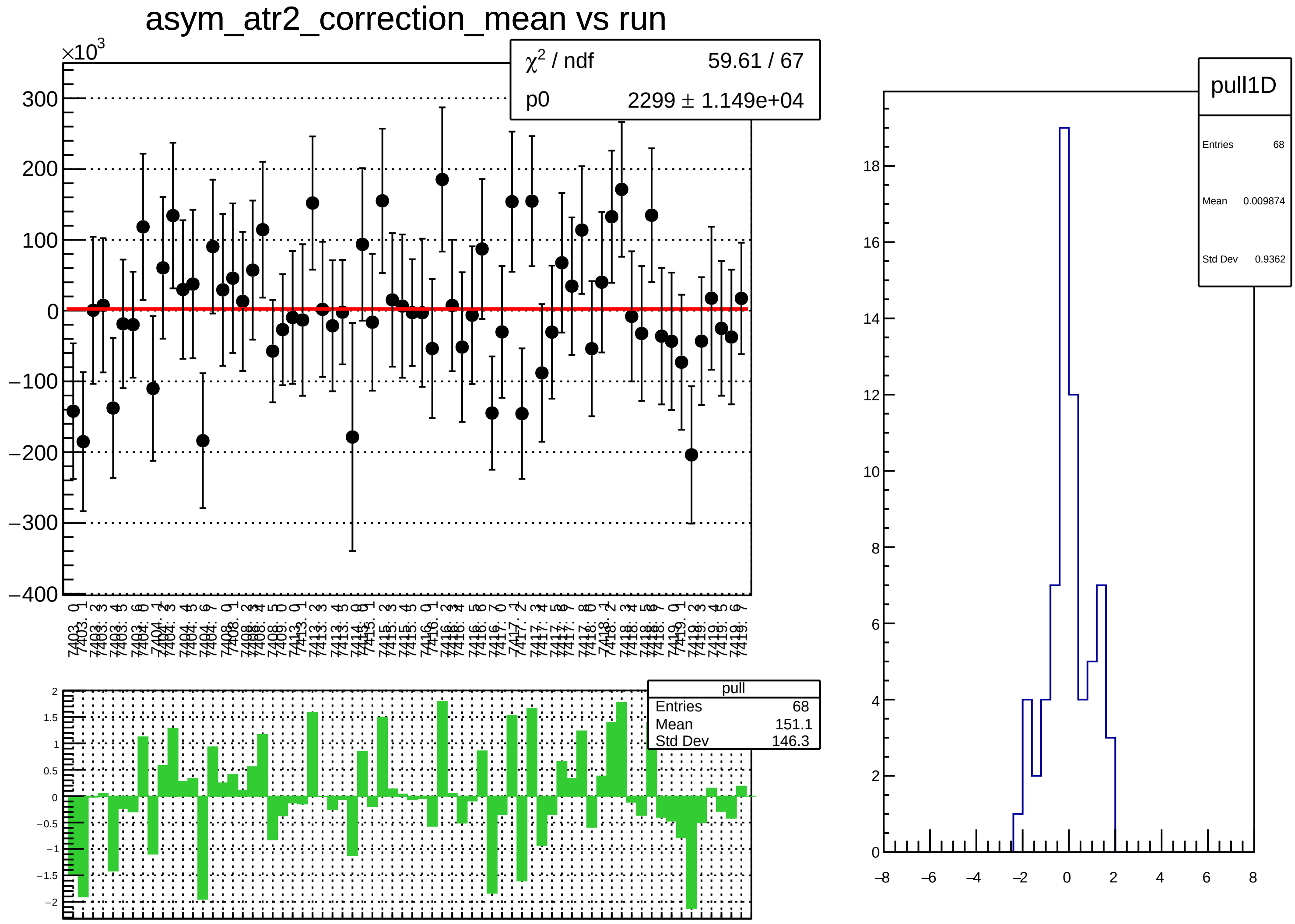


asym_atr1_rms vs run
χ^2 / ndf 110.5 / 67
p0 2854 ± 2.491

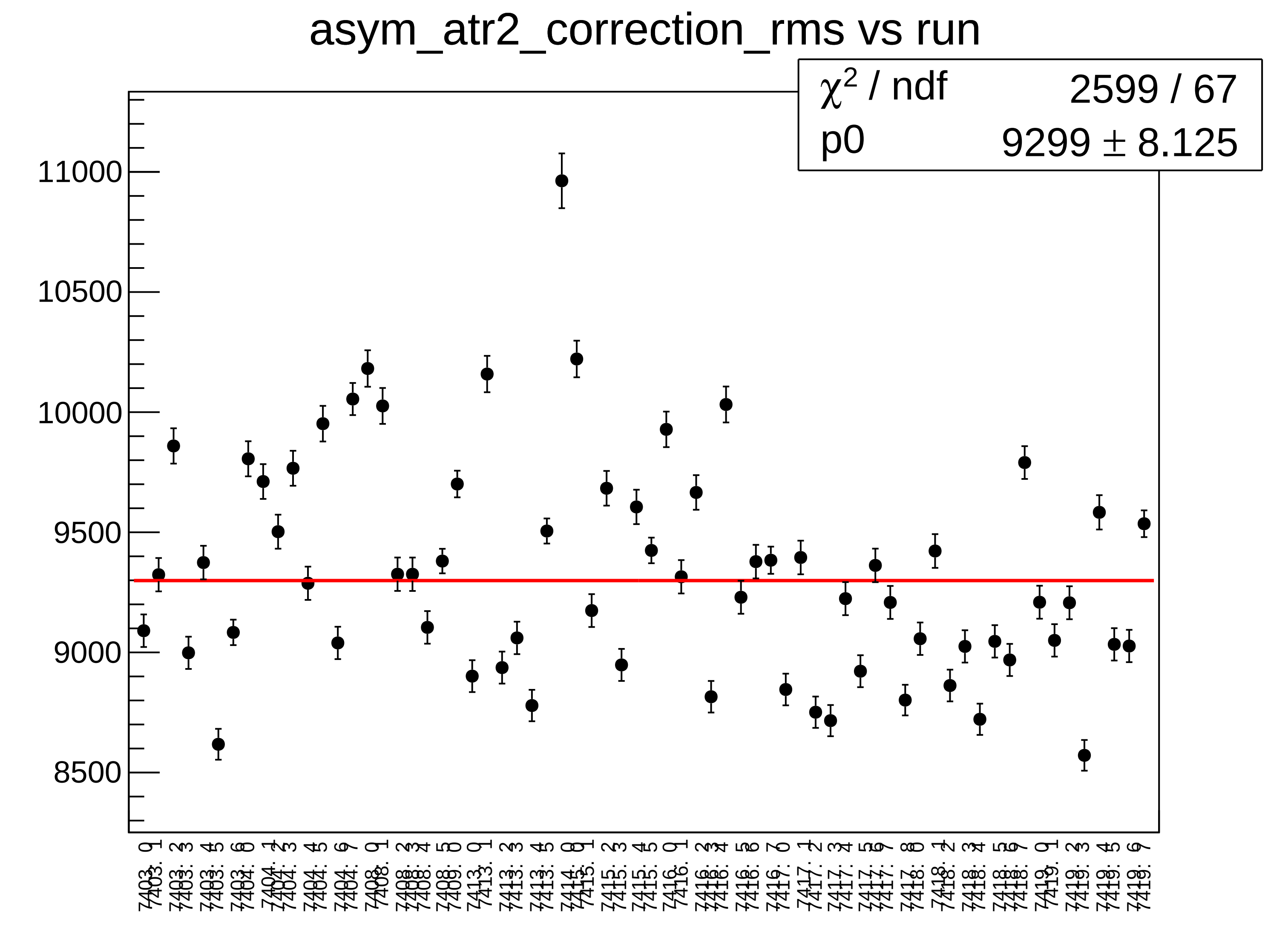


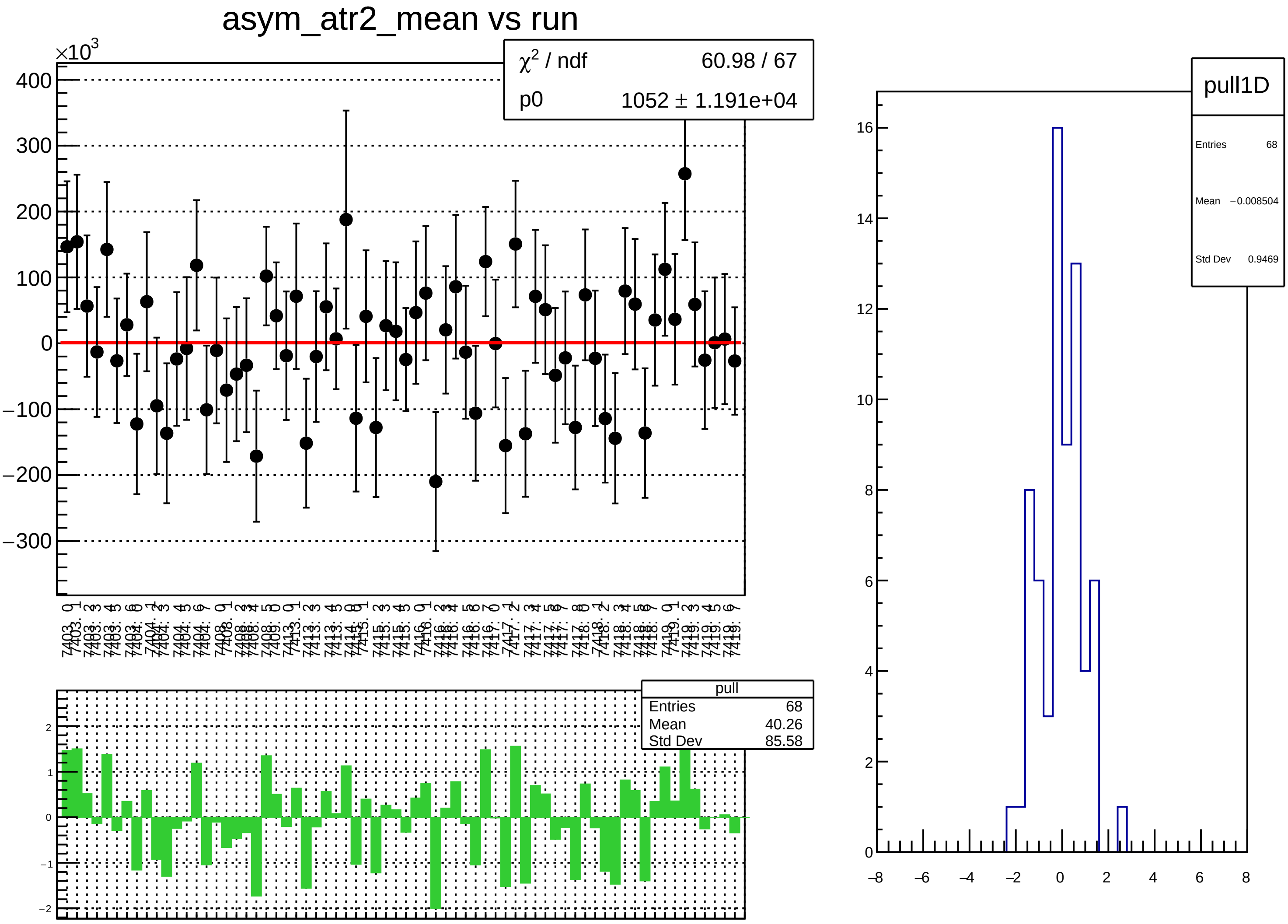
reg_asym_atr2_mean vs run
×10^3
χ2 / ndf 89.47 / 67
p0 3468 ± 3111
pull
Entries 68
Mean 2264
Std Dev 2236
pull1D
Entries 68
Mean 0.00174
Std Dev 1.147

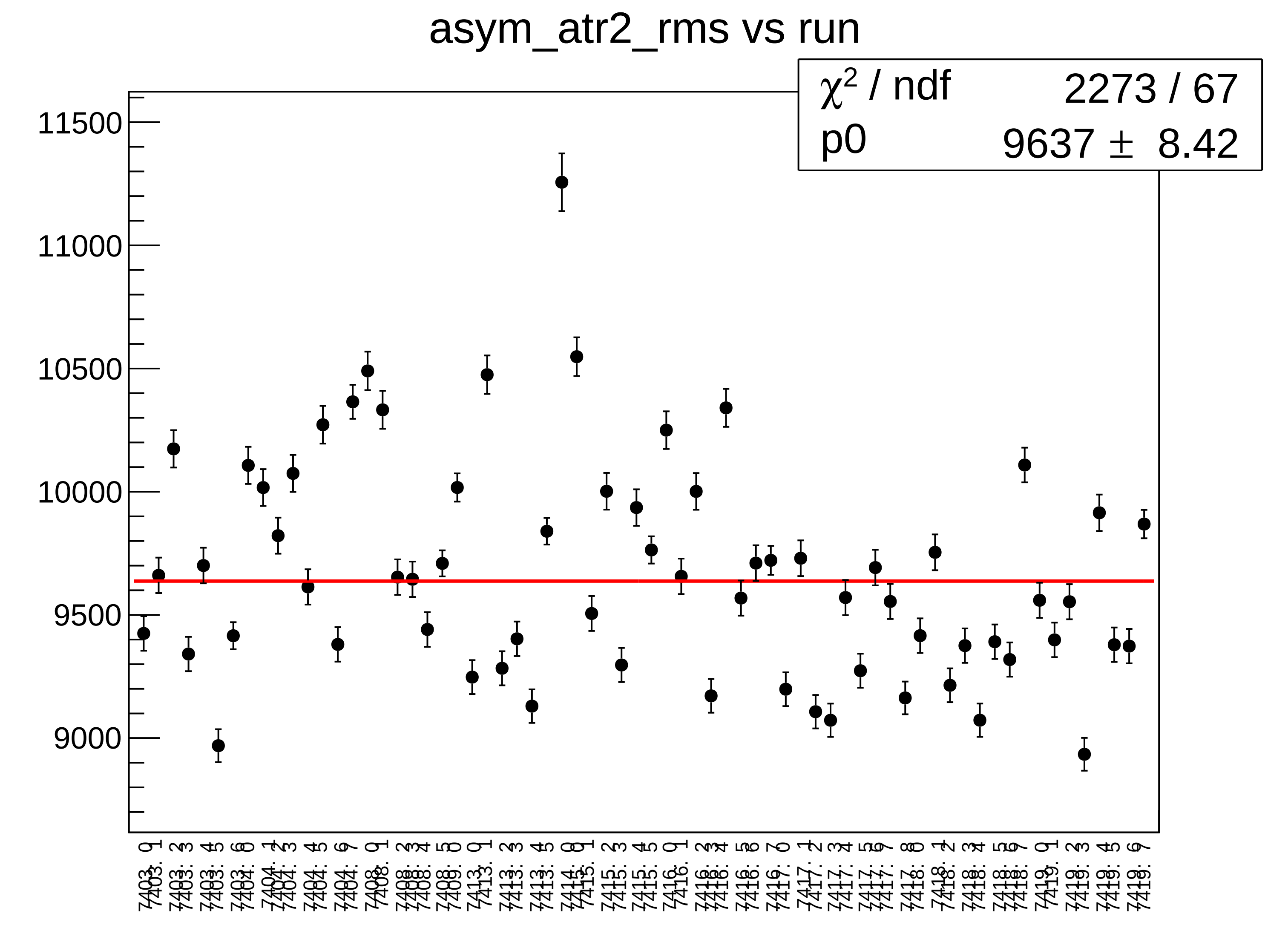

reg_asym_atr2_rms vs run
χ2 / ndf 163.1 / 67
p0 2520 ± 2.2
2640
2620
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420

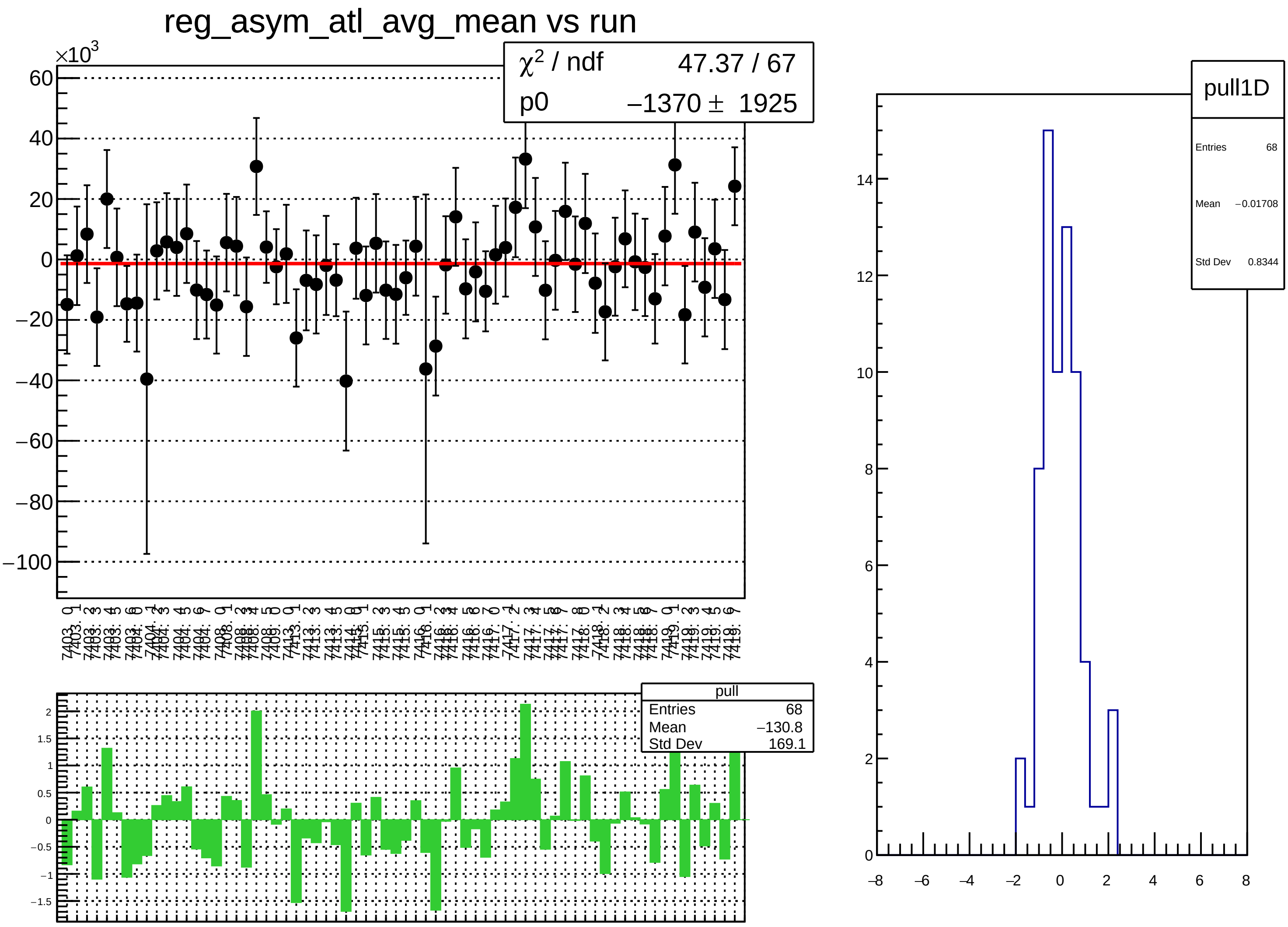


asym_atr2_correction_mean vs run
χ^2 / ndf 59.61 / 67
p0 2299 ± 1.149e+04
pull
Entries 68
Mean 151.1
Std Dev 146.3
pull1D
Entries 68
Mean 0.009874
Std Dev 0.9362

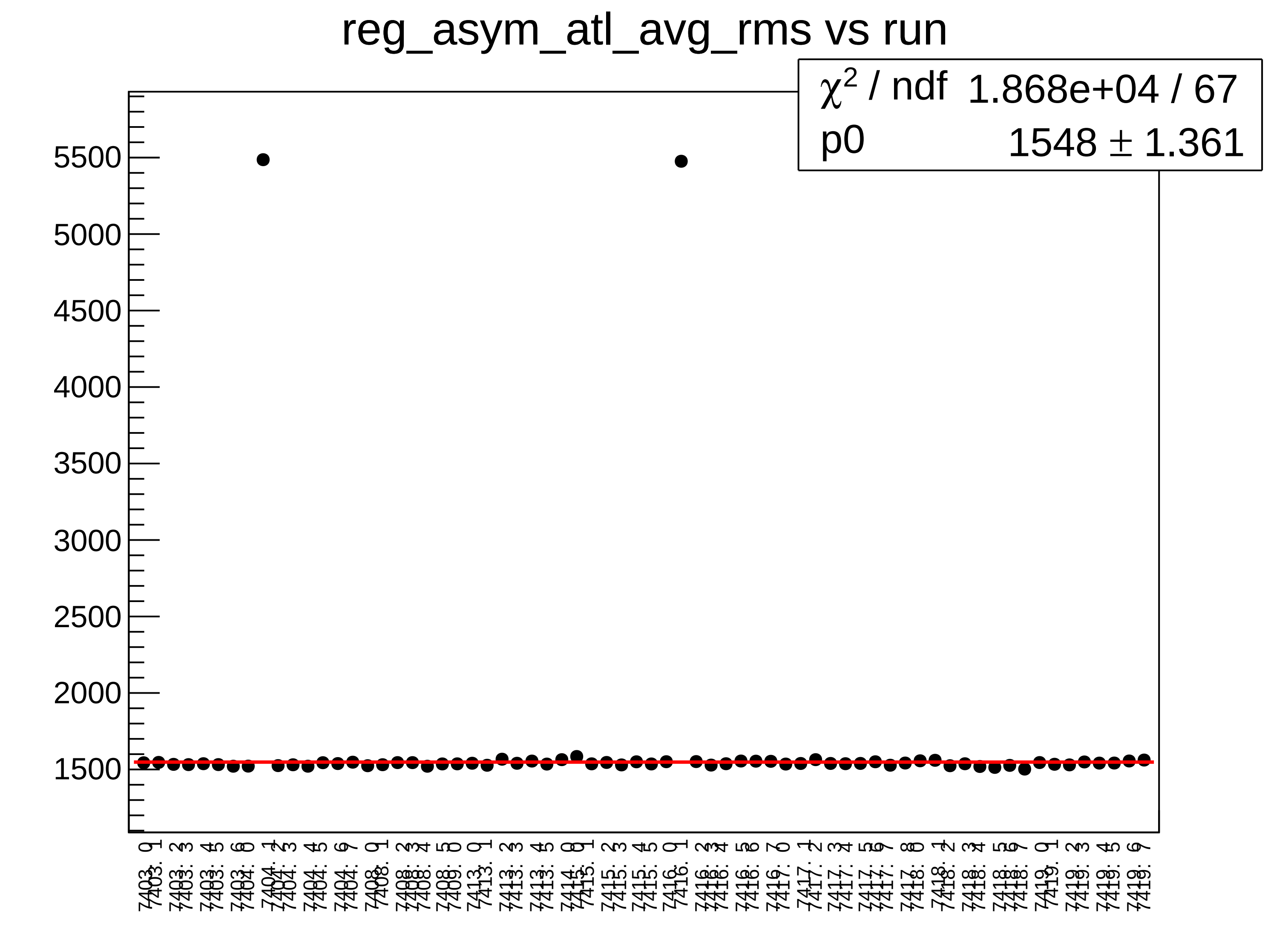

asym_atr2_correction_rms vs run
χ^2 / ndf 2599 / 67
p0 9299 ± 8.125
11000
10500
10000
9500
9000
8500


asym_atr2_mean vs run
×10^3
χ^2 / ndf 60.98 / 67
p0 1052 ± 1.191e+04
pull
Entries 68
Mean 40.26
Std Dev 85.58
pull1D
Entries 68
Mean −0.008504
Std Dev 0.9469

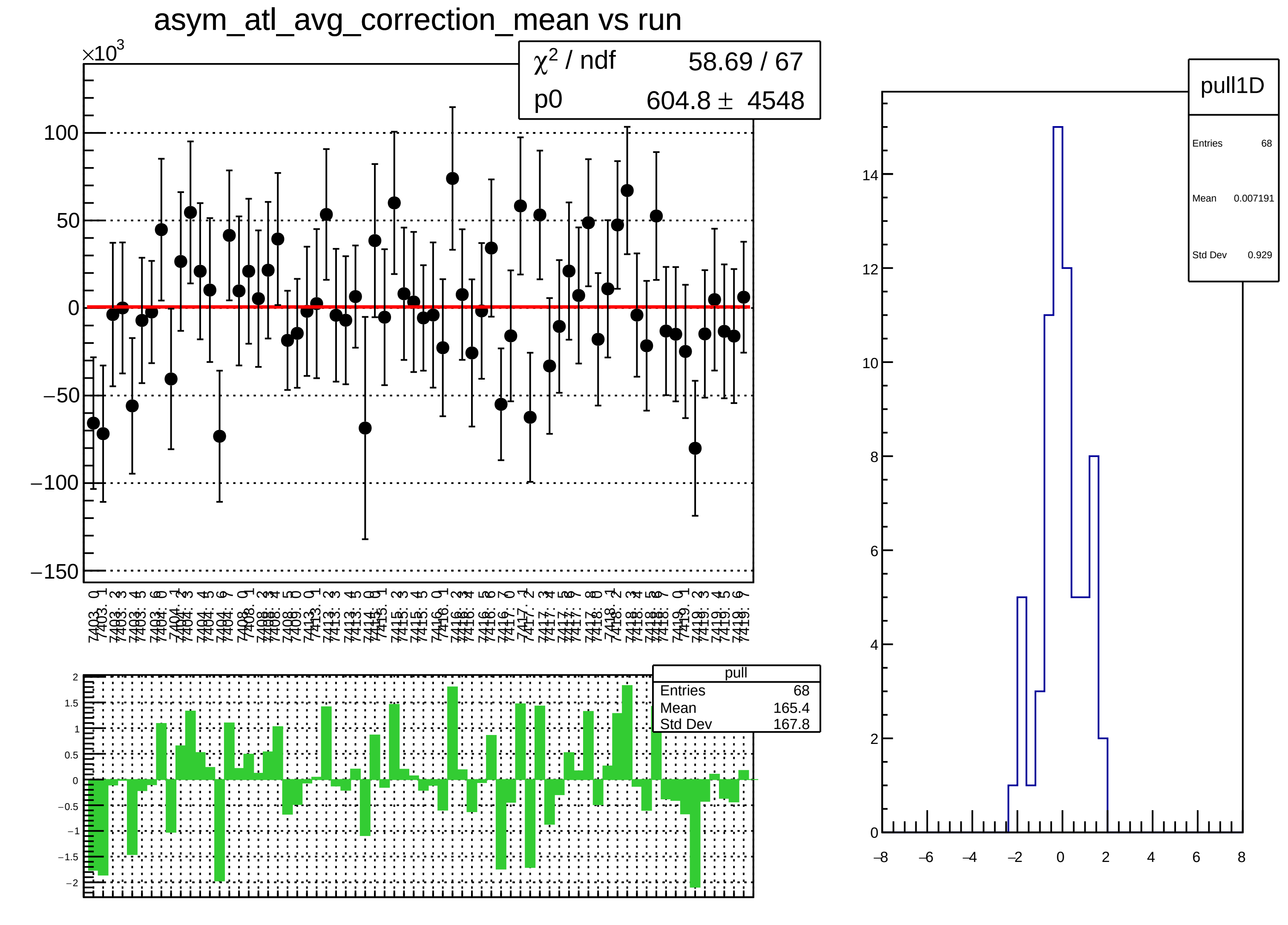

asym_atr2_rms vs run
χ2 / ndf 2273 / 67
p0 9637 ± 8.42
11500
11000
10500
10000
9500
9000



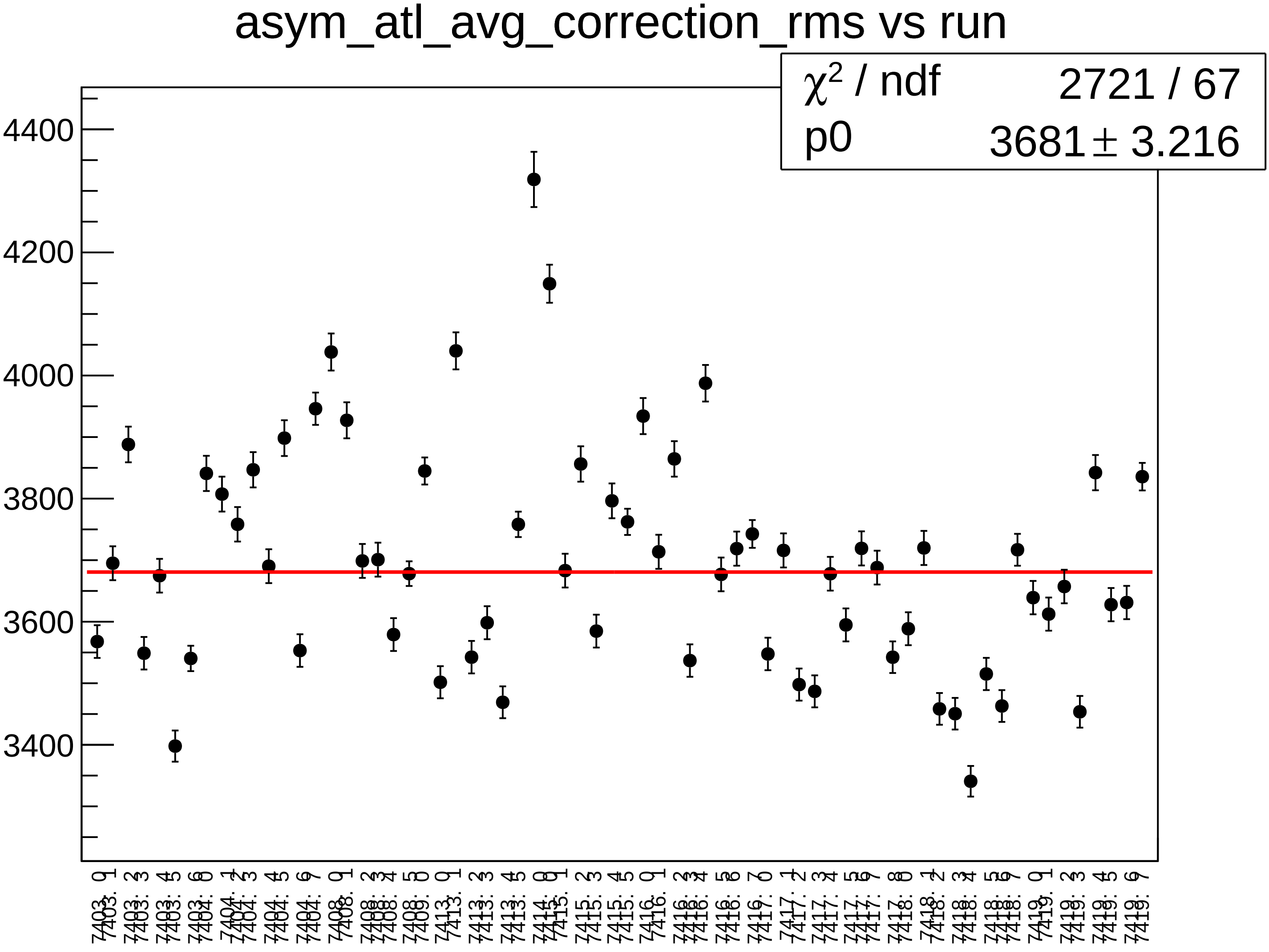
reg_asym_atl_avg_mean vs run
$\times10^3$
χ^2 / ndf 47.37 / 67
p0 −1370 ± 1925
pull
Entries 68
Mean −130.8
Std Dev 169.1
pull1D
Entries 68
Mean −0.01708
Std Dev 0.8344

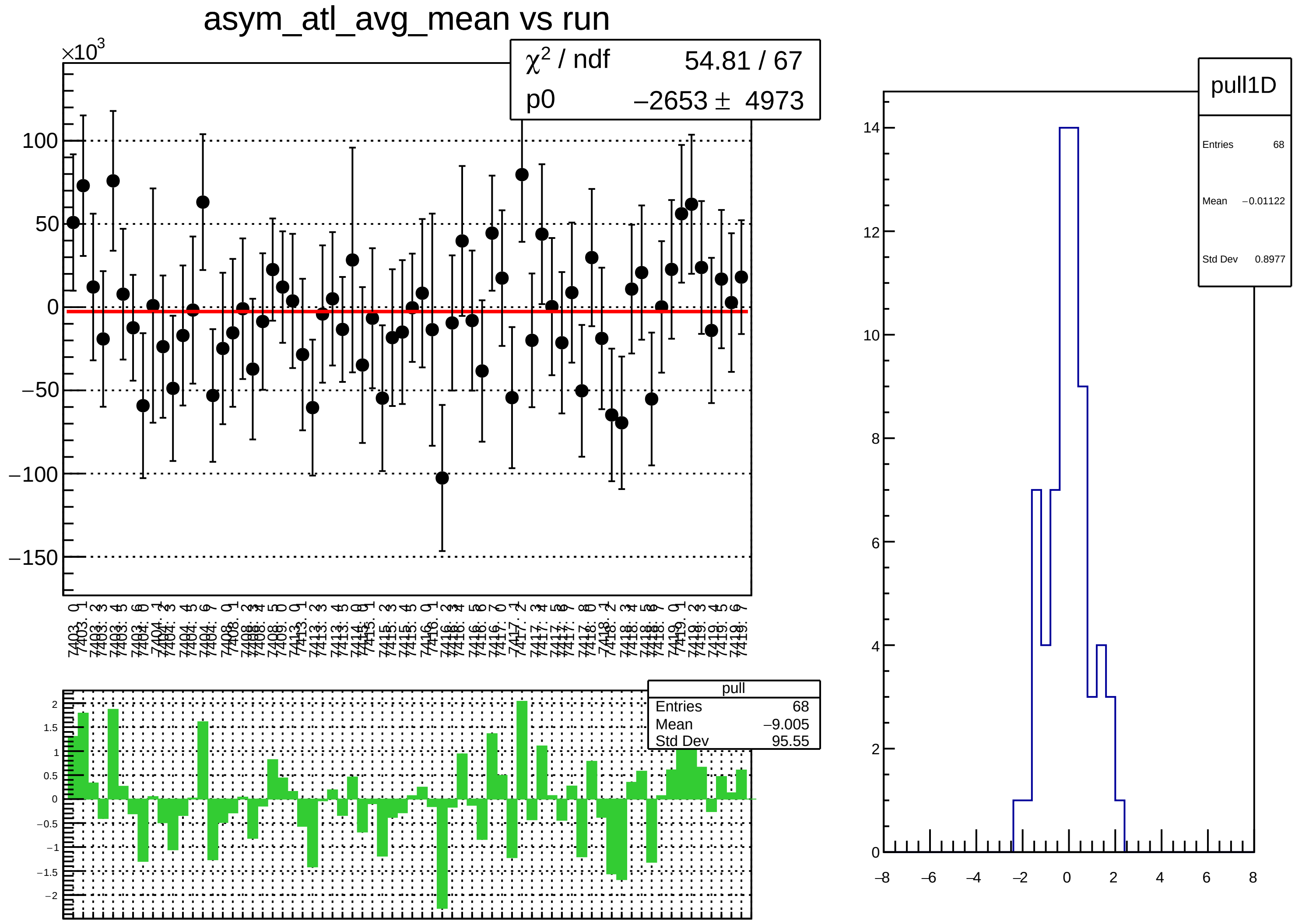


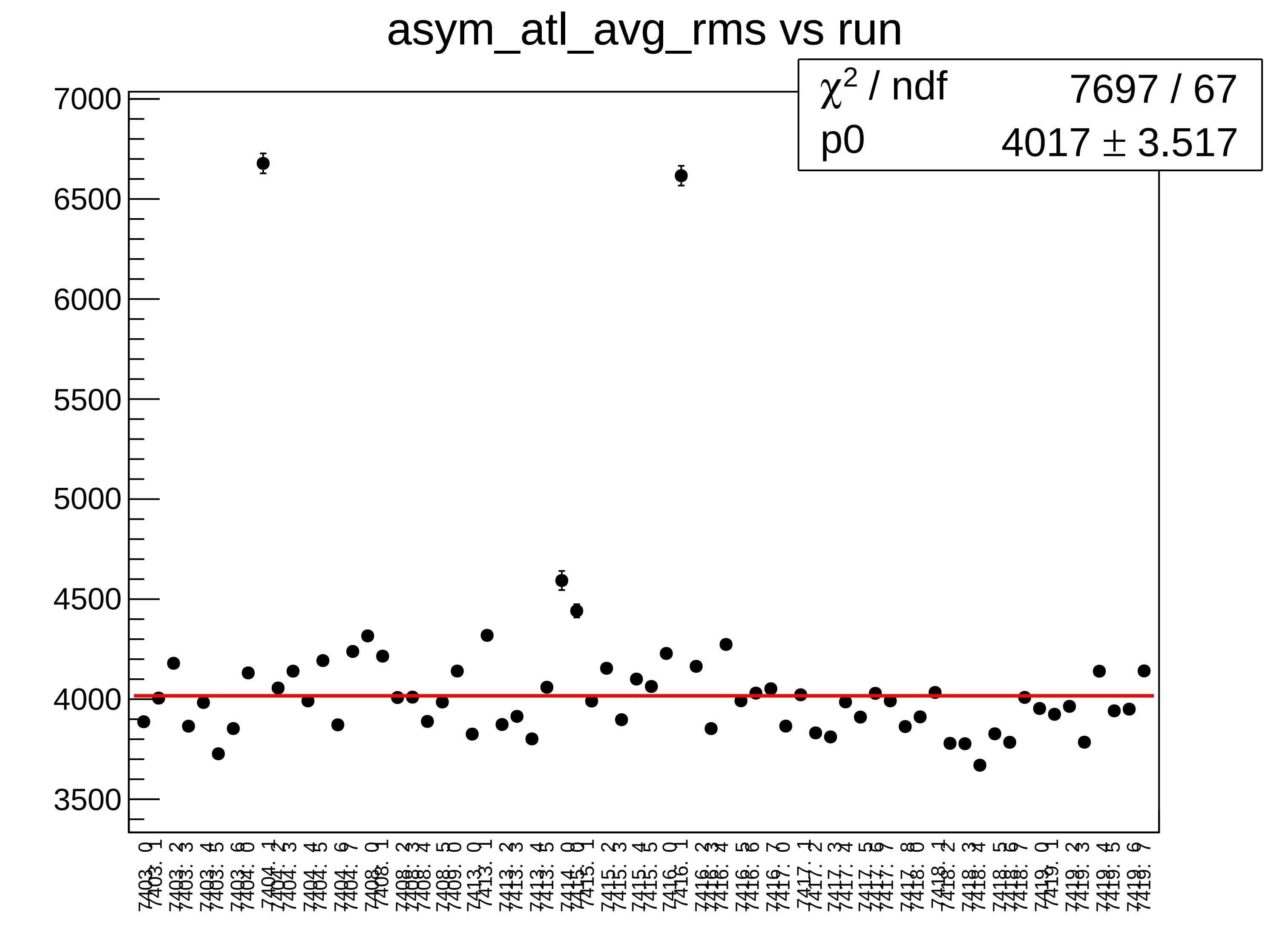
reg_asym_atl_avg_rms vs run
χ^2 / ndf 1.868e+04 / 67
p0 1548 ± 1.361
5500
5000
4500
4000
3500
3000
2500
2000
1500

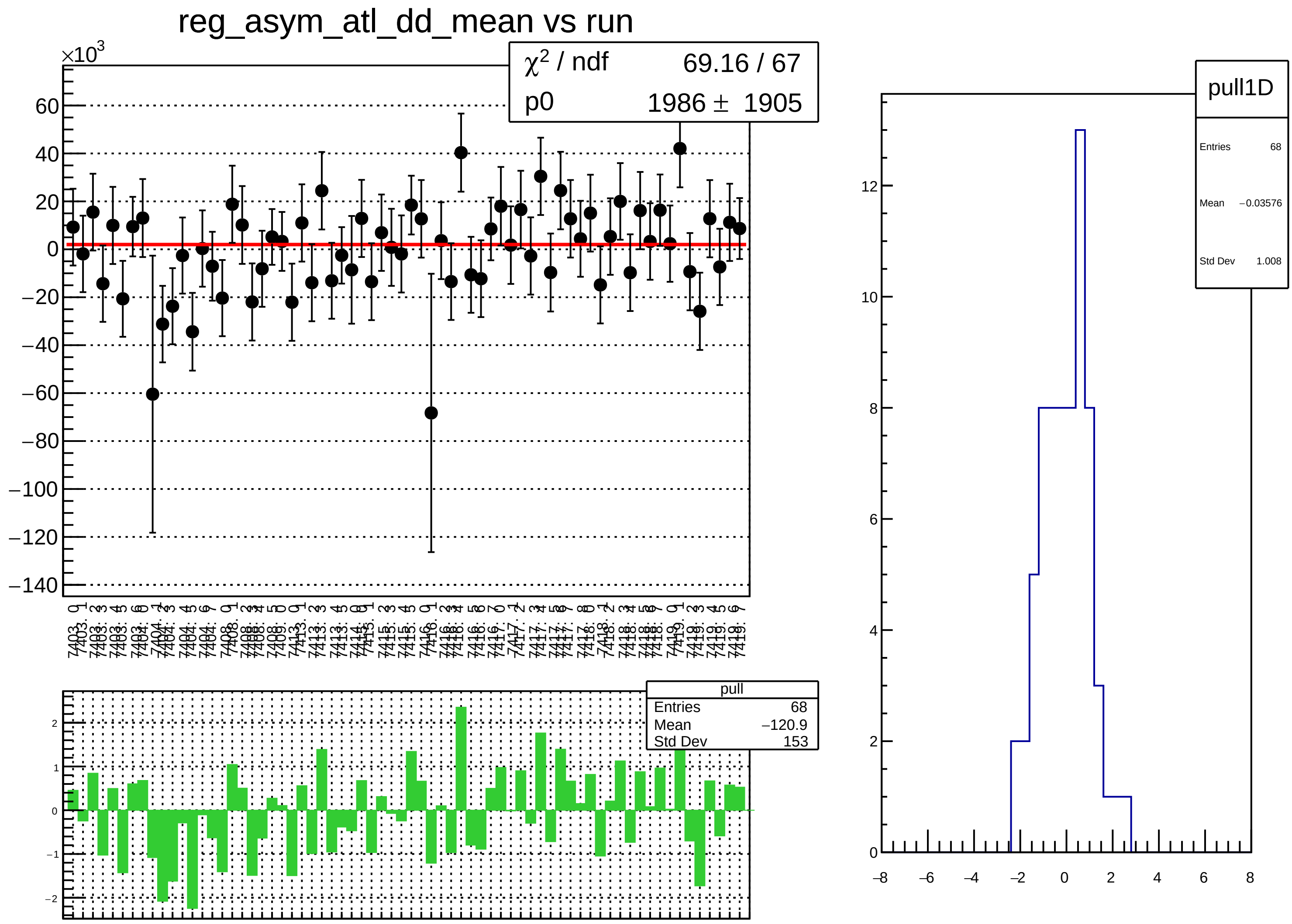


asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 58.69 / 67
p0 604.8 ± 4548
100
50
0
−50
−100
−150
pull
Entries 68
Mean 165.4
Std Dev 167.8
pull1D
Entries 68
Mean 0.007191
Std Dev 0.929

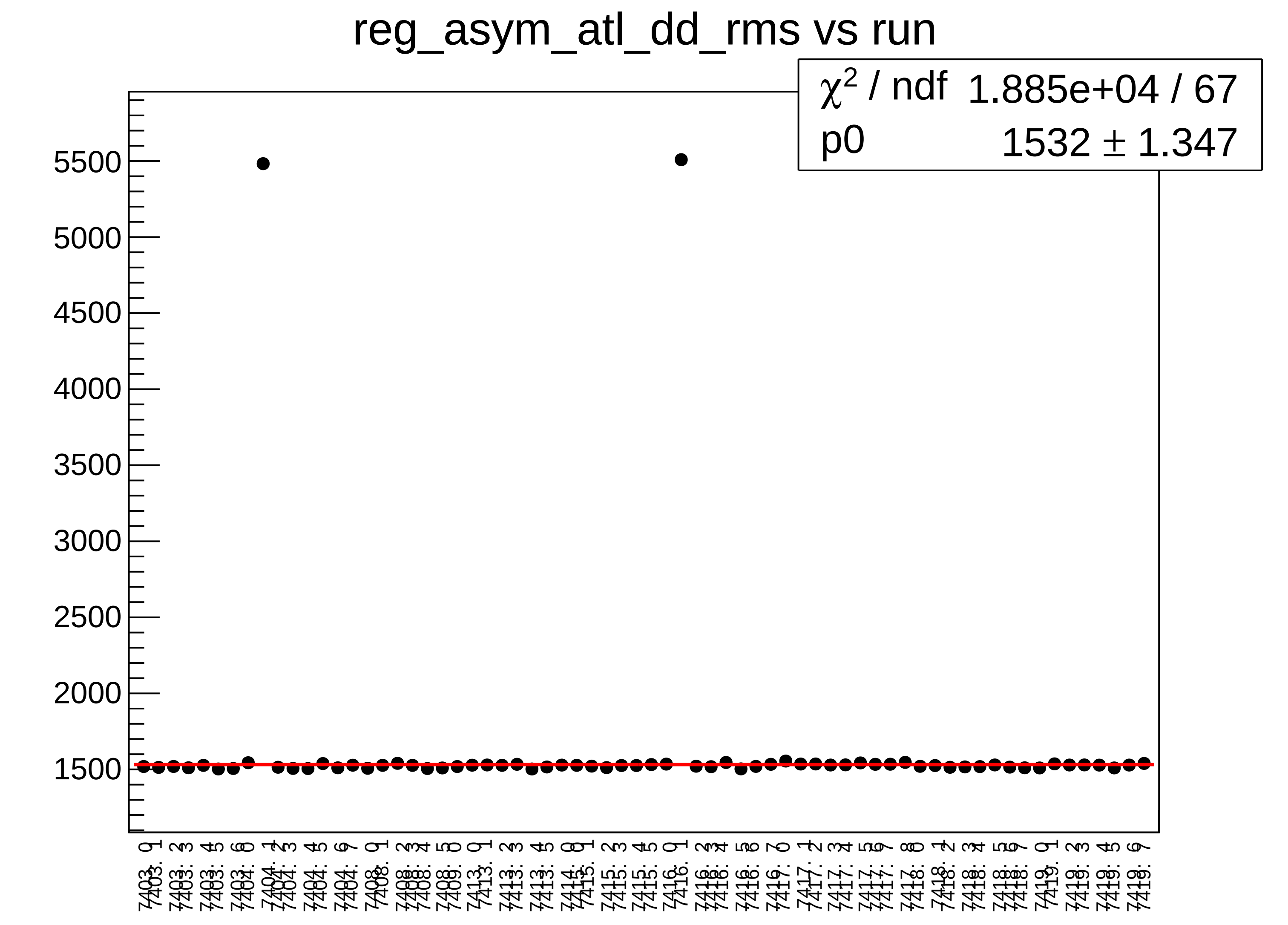

asym_atl_avg_correction_rms vs run
χ^2 / ndf 2721 / 67
p0 3681 ± 3.216
4400
4200
4000
3800
3600
3400


asym_atl_avg_mean vs run
×10^3
χ2 / ndf 54.81 / 67
p0 −2653 ± 4973
100
50
0
−50
−100
−150
pull
Entries 68
Mean −9.005
Std Dev 95.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.01122
Std Dev 0.8977
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

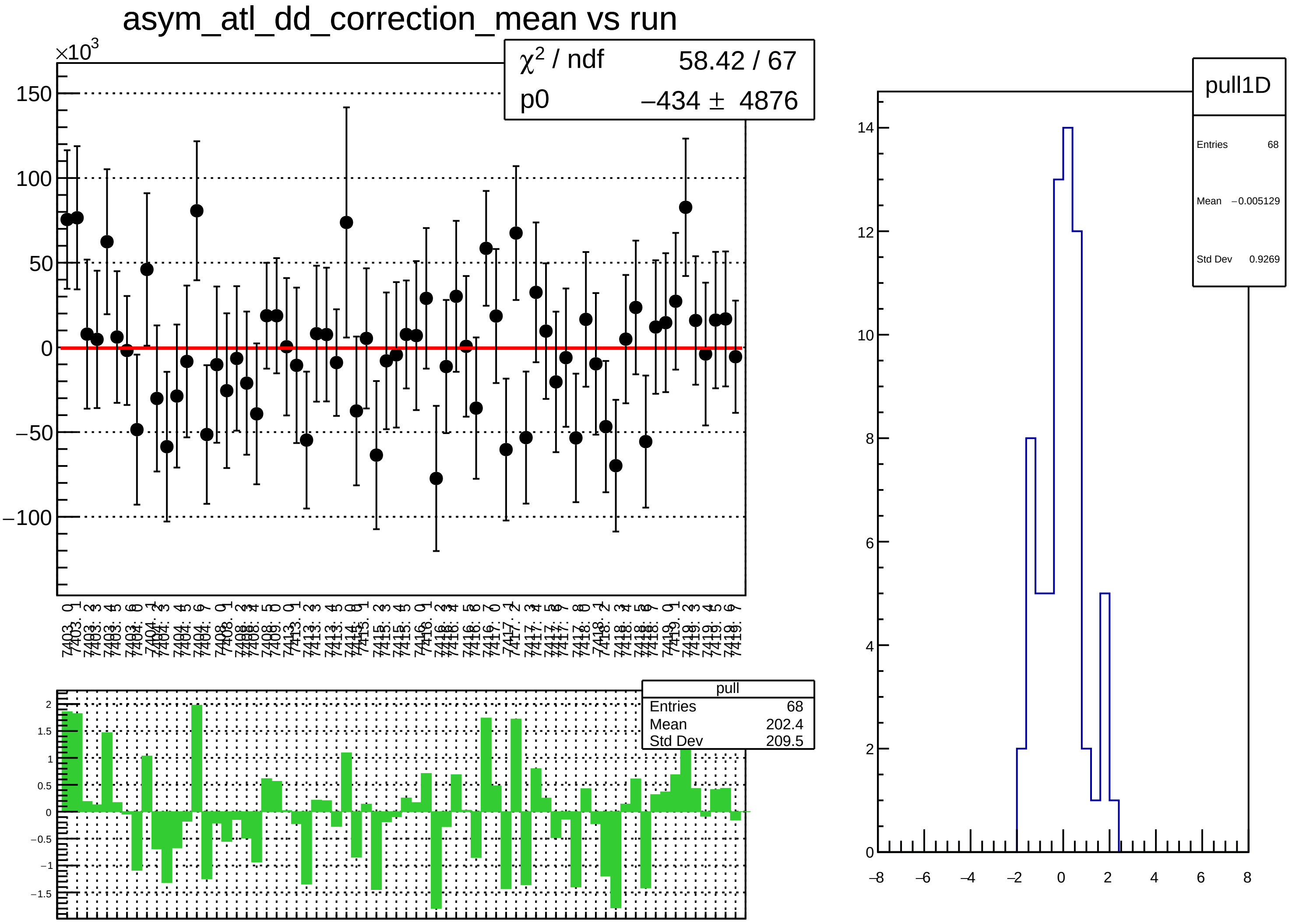

asym_atl_avg_rms vs run
χ^2 / ndf 7697 / 67
p0 4017 ± 3.517
7000
6500
6000
5500
5000
4500
4000
3500

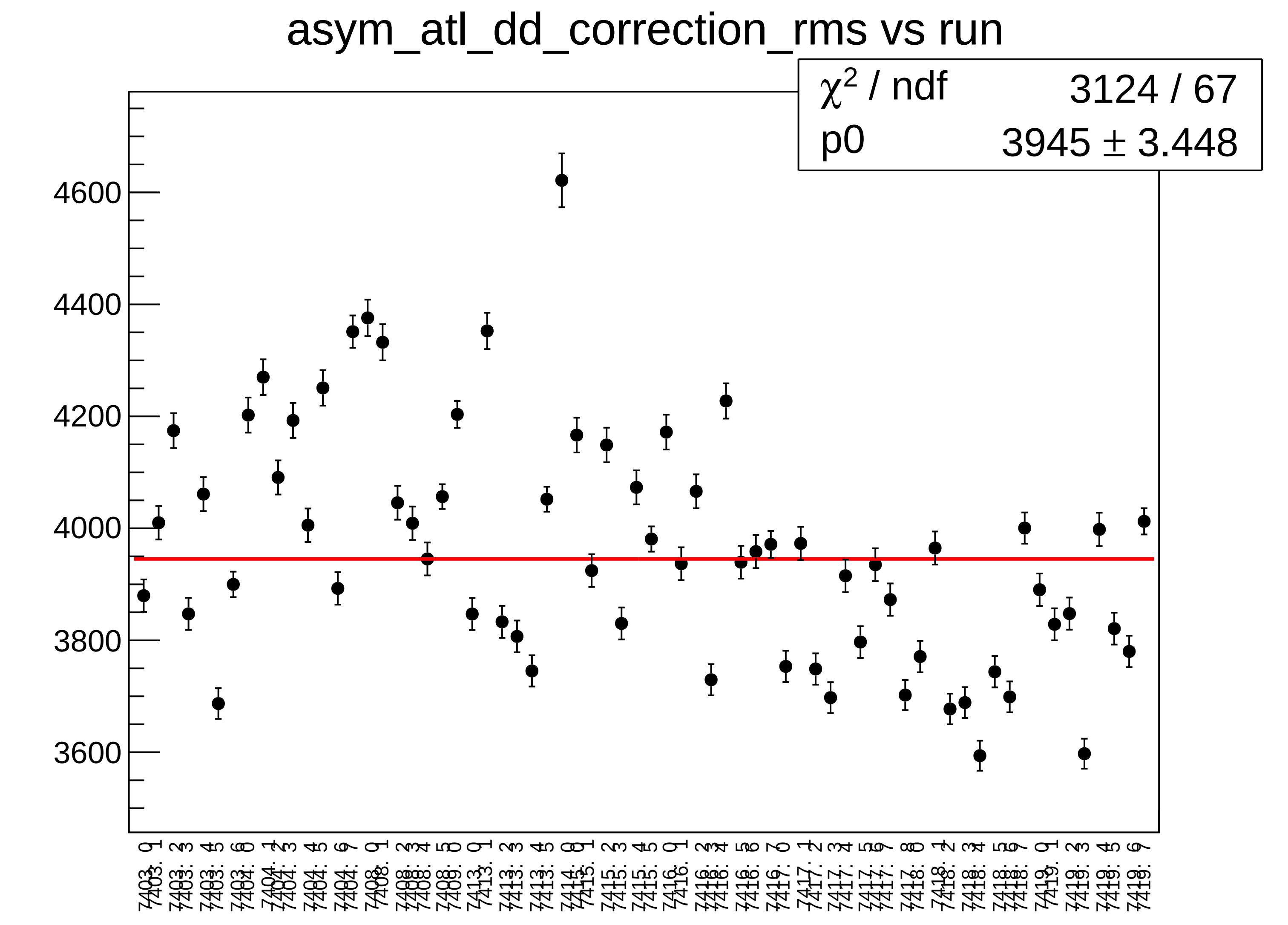


reg_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 69.16 / 67
p0 1986 ± 1905
pull
Entries 68
Mean −120.9
Std Dev 153
pull1D
Entries 68
Mean −0.03576
Std Dev 1.008

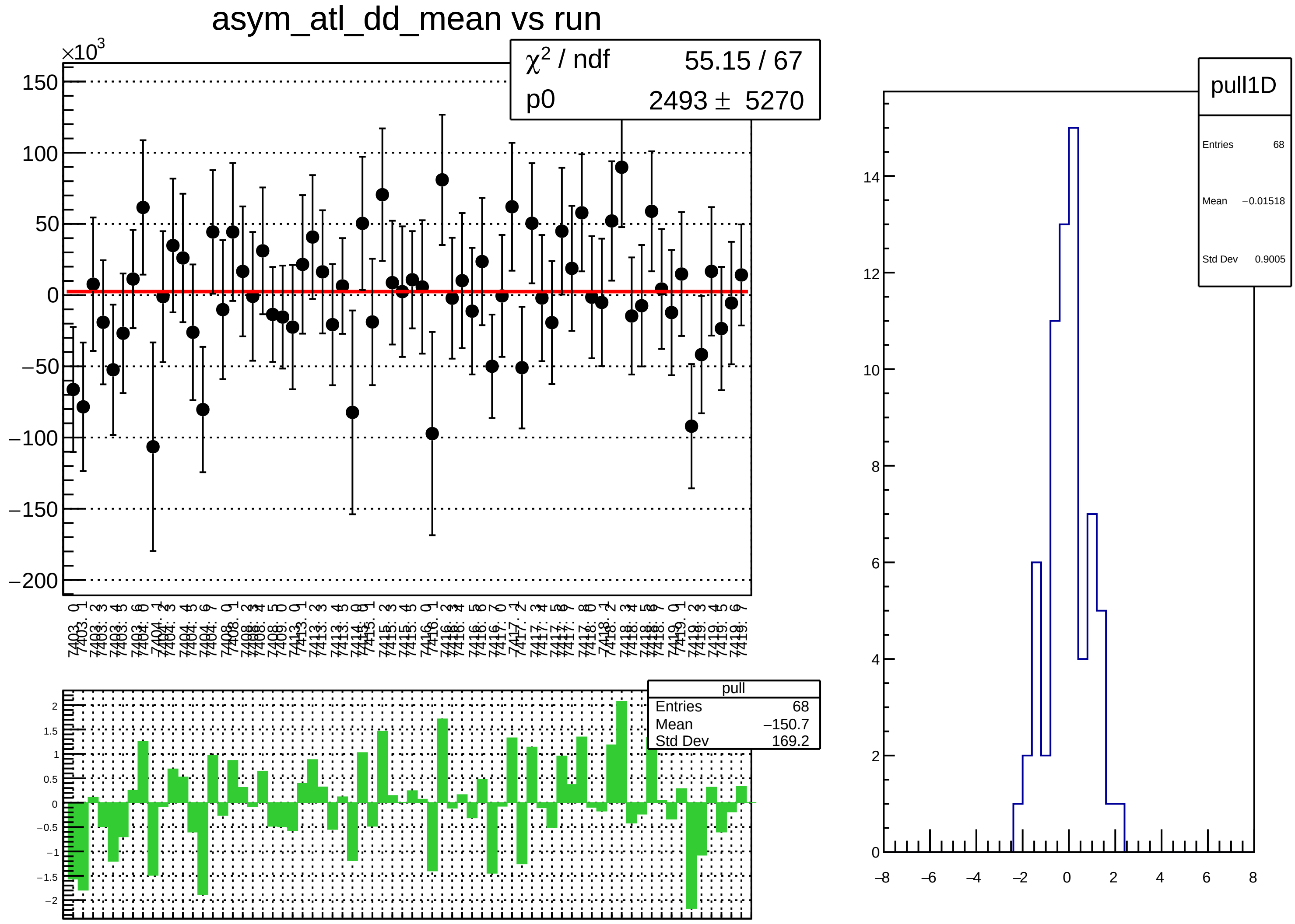


reg_asym_atl_dd_rms vs run
χ^2 / ndf 1.885e+04 / 67
p0 1532 ± 1.347
5500
5000
4500
4000
3500
3000
2500
2000
1500

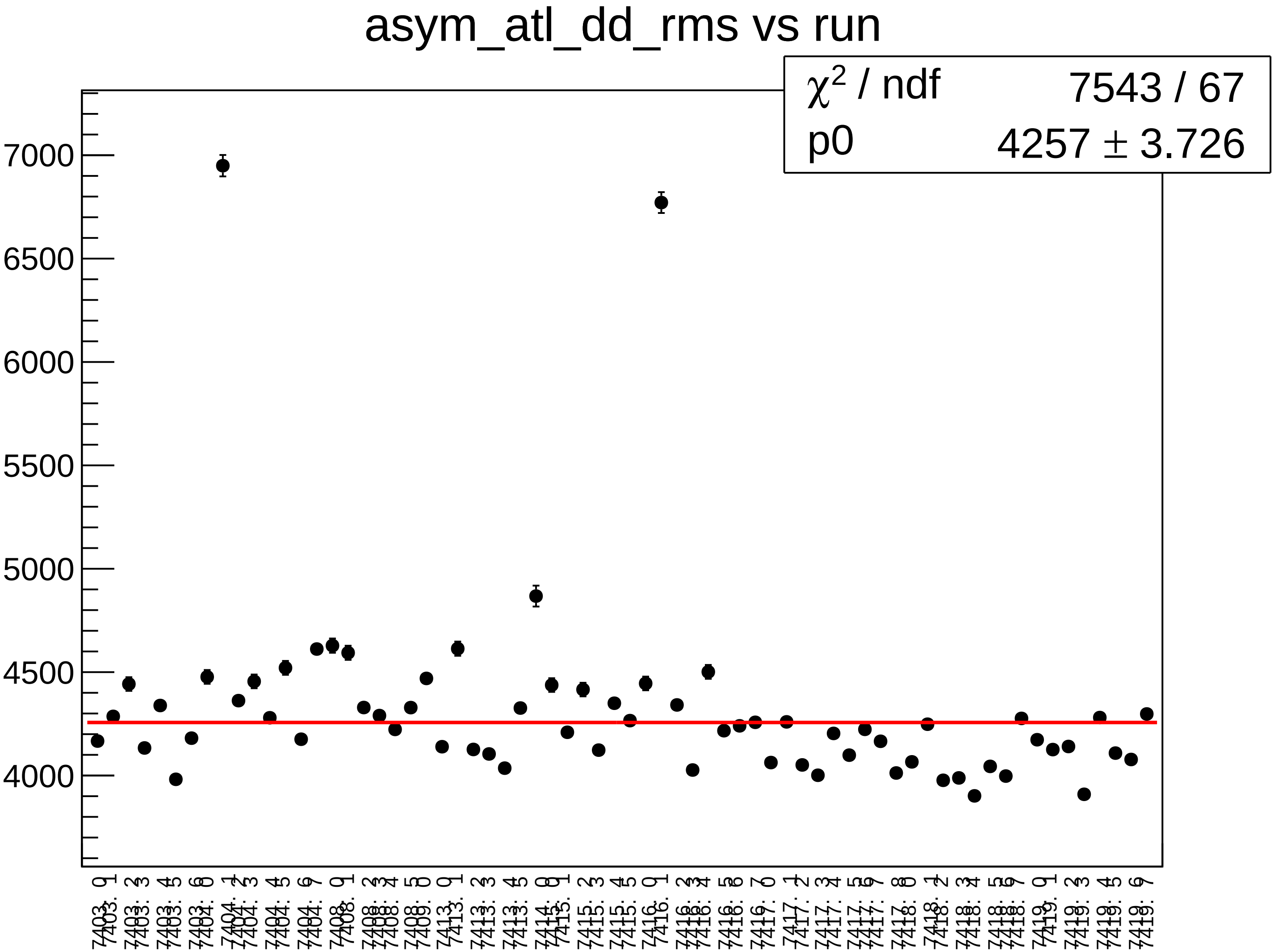

asym_atl_dd_correction_mean vs run
χ2 / ndf 58.42 / 67
p0 −434 ± 4876
pull
Entries 68
Mean 202.4
Std Dev 209.5
pull1D
Entries 68
Mean −0.005129
Std Dev 0.9269

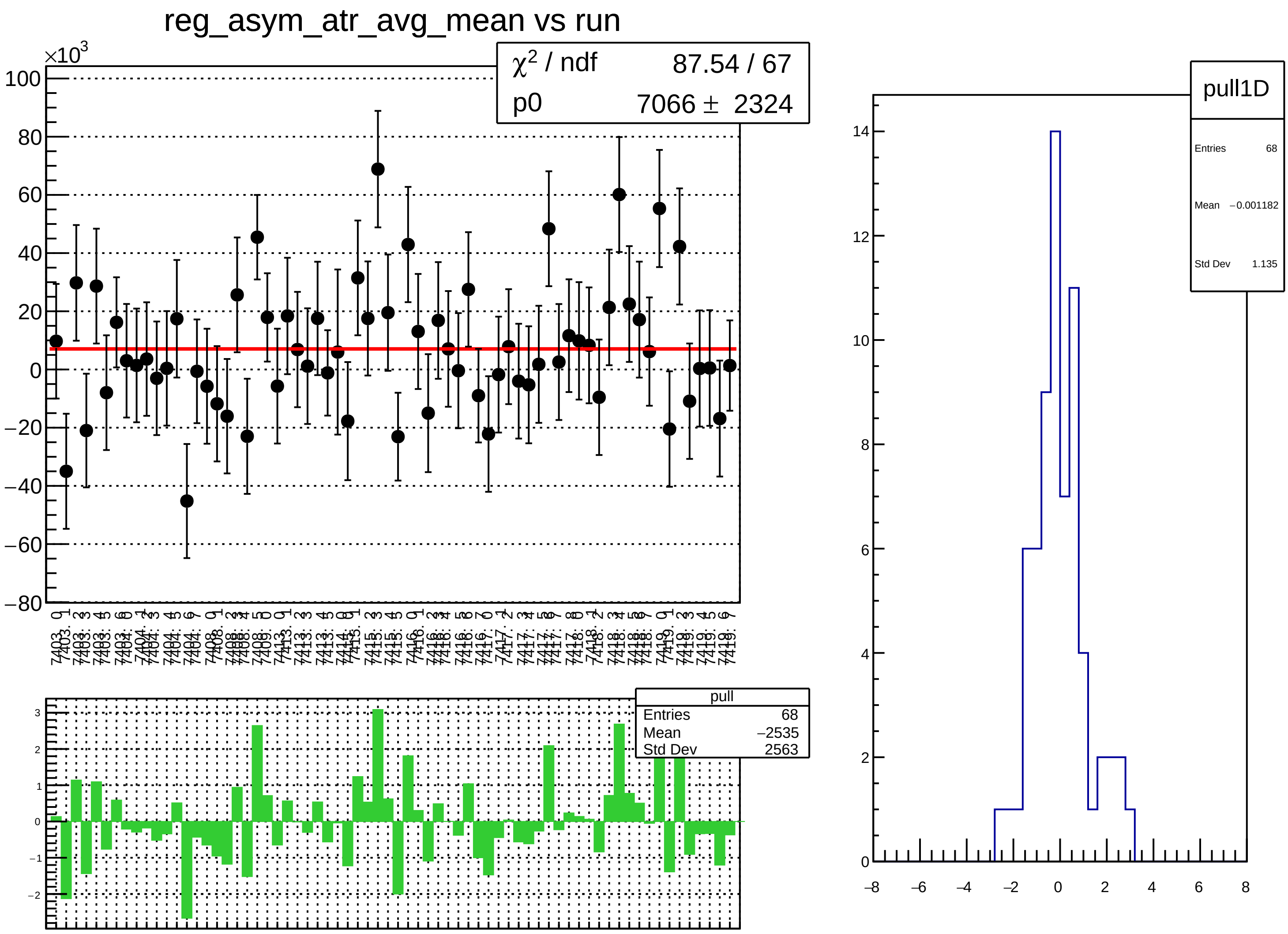


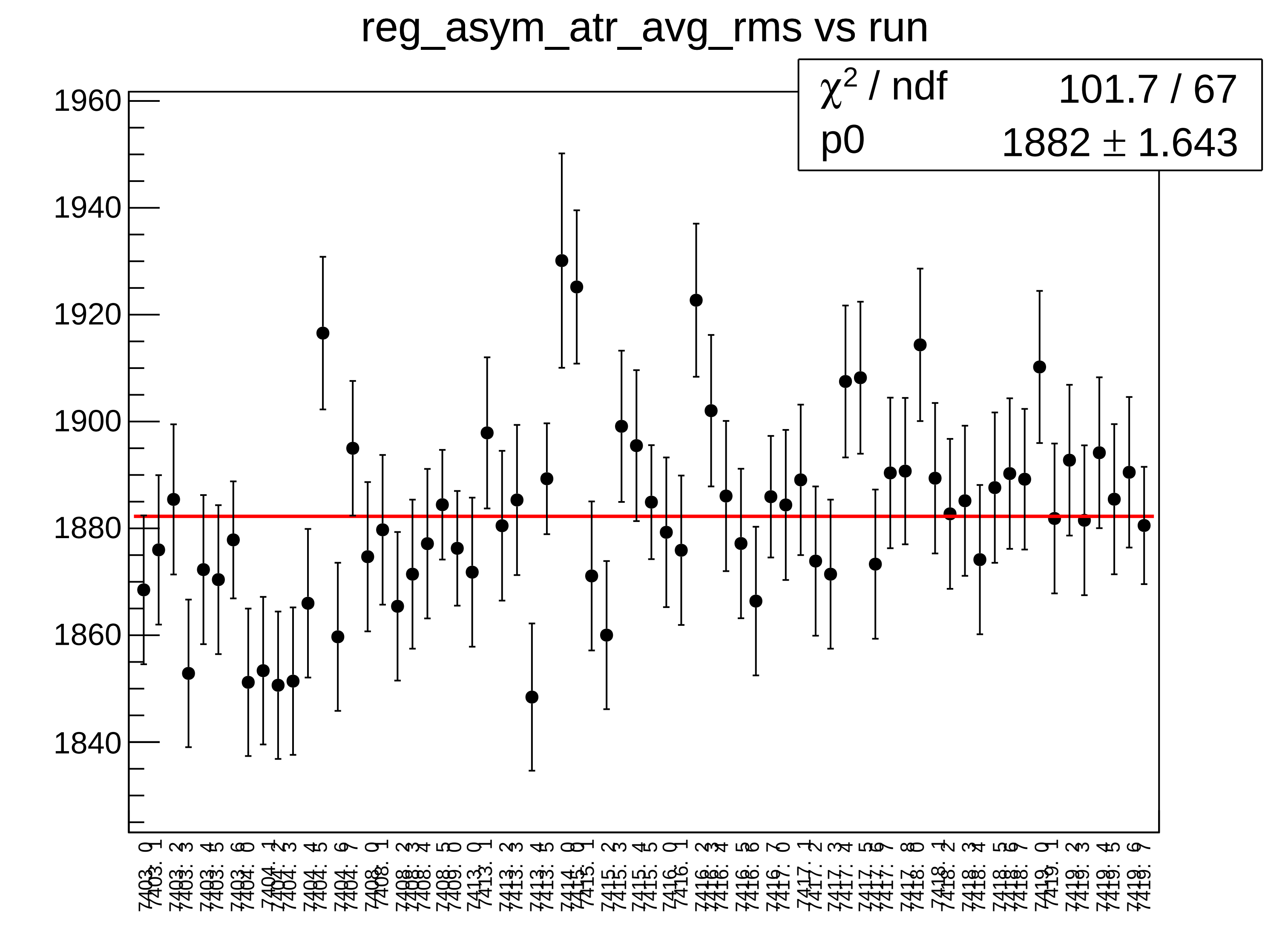
asym_atl_dd_correction_rms vs run
χ^2 / ndf 3124 / 67
p0 3945 ± 3.448
4600
4400
4200
4000
3800
3600



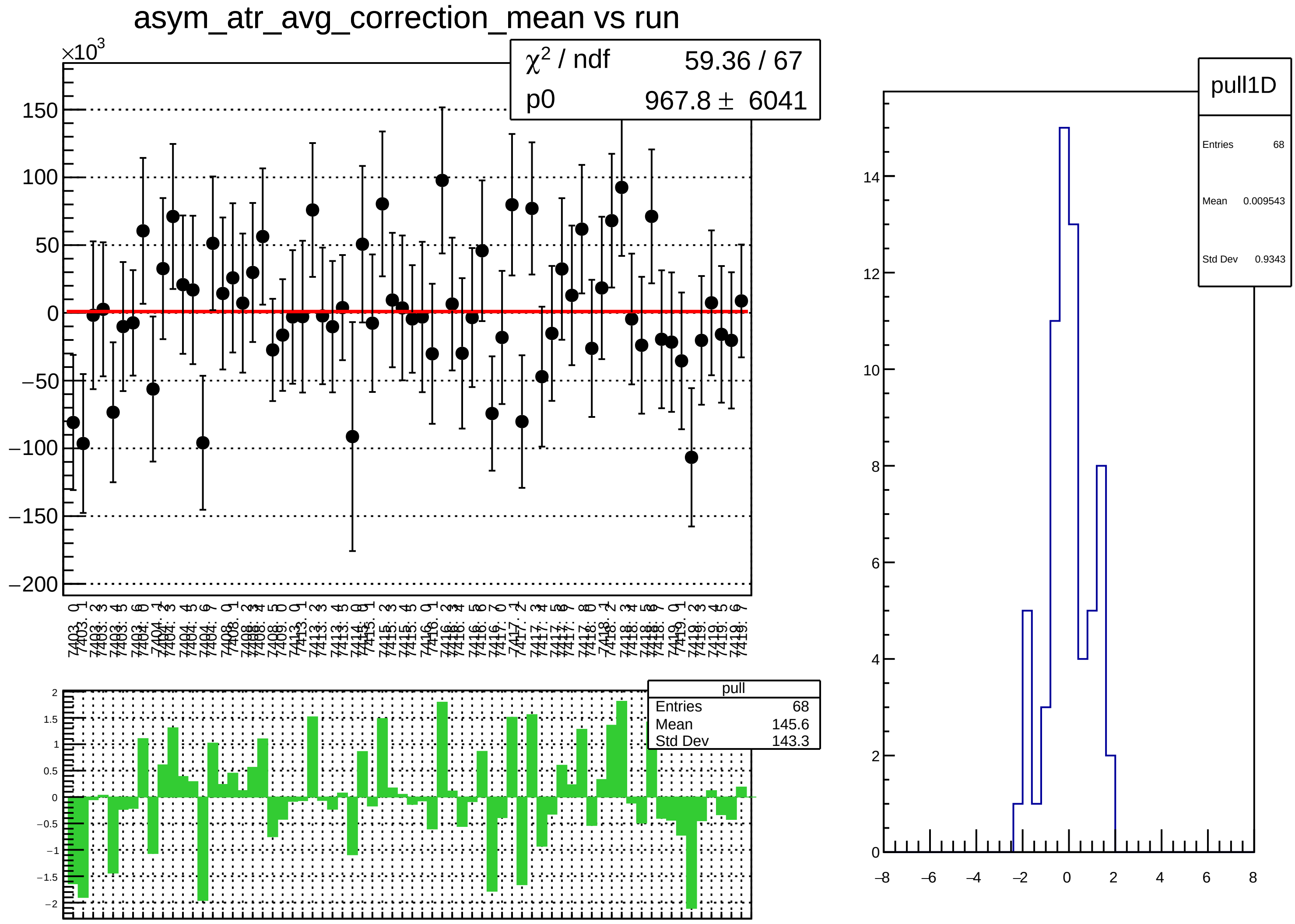
asym_atl_dd_mean vs run
χ2 / ndf 55.15 / 67
p0 2493 ± 5270
×103
pull
Entries 68
Mean −150.7
Std Dev 169.2
pull1D
Entries 68
Mean −0.01518
Std Dev 0.9005


asym_atl_dd_rms vs run
χ2 / ndf 7543 / 67
p0 4257 ± 3.726
7000
6500
6000
5500
5000
4500
4000

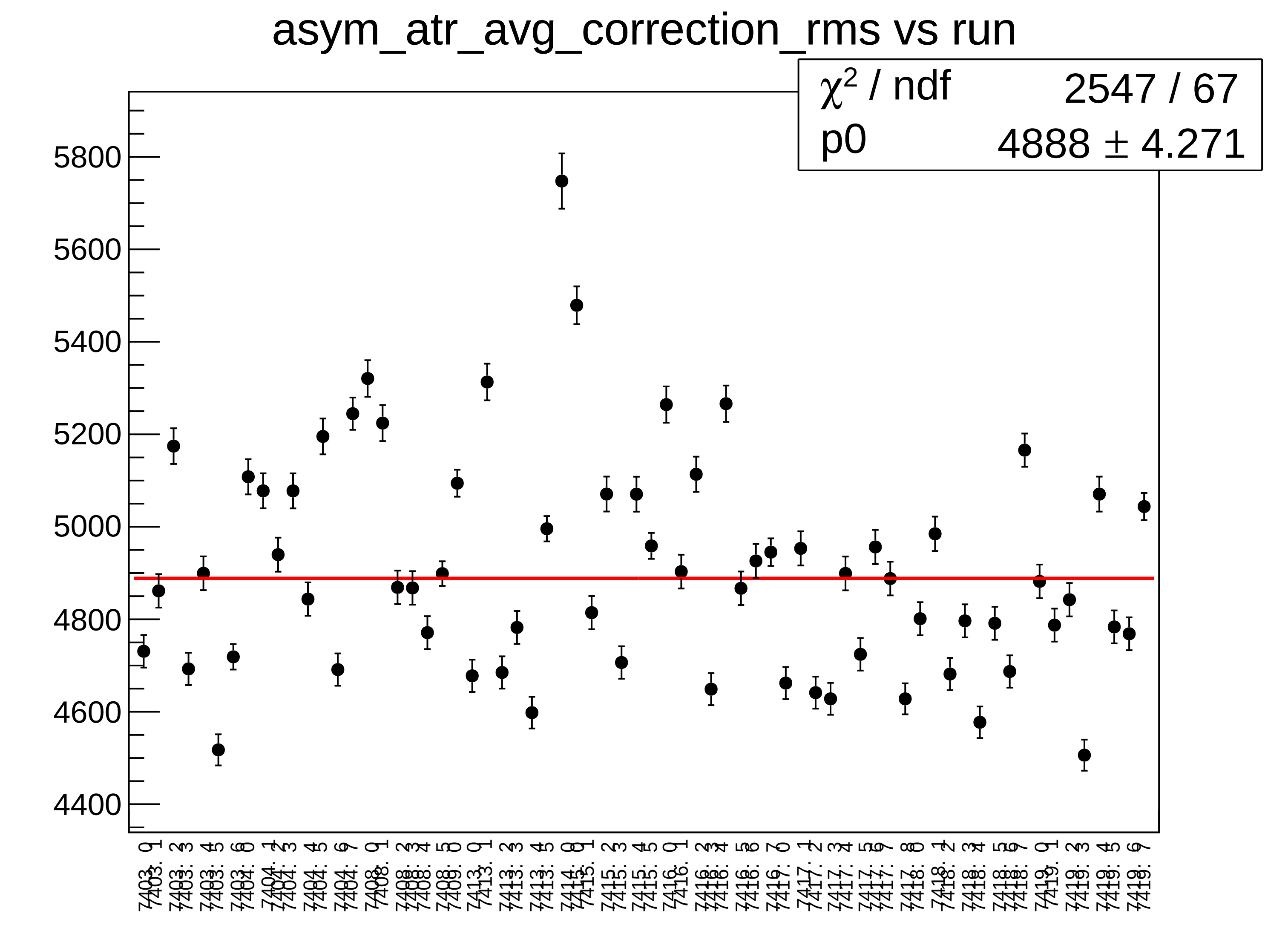

reg_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 87.54 / 67
p0 7066 ± 2324
pull
Entries 68
Mean −2535
Std Dev 2563
pull1D
Entries 68
Mean −0.001182
Std Dev 1.135



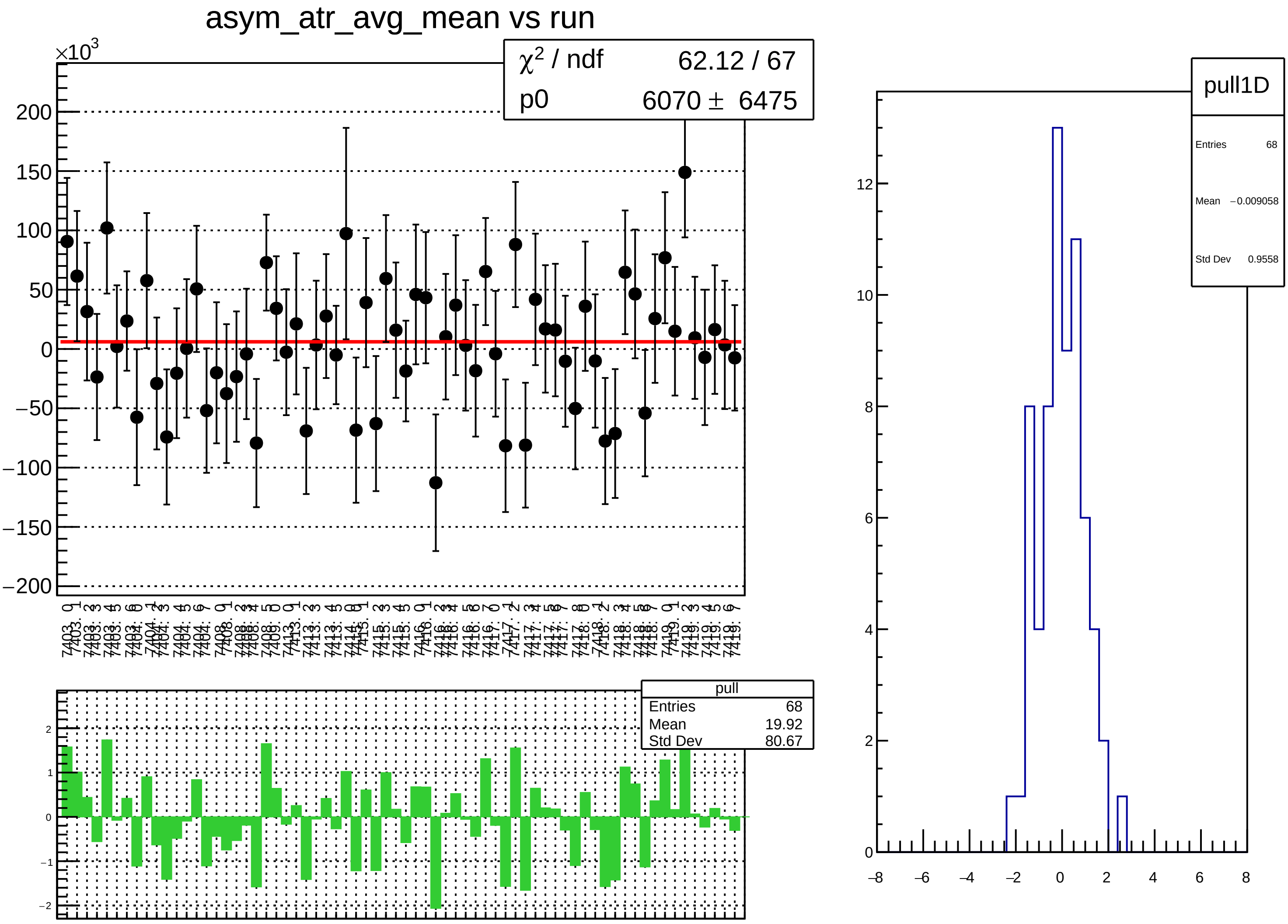
reg_asym_atr_avg_rms vs run
χ^2 / ndf 101.7 / 67
p0 1882 ± 1.643
1960
1940
1920
1900
1880
1860
1840

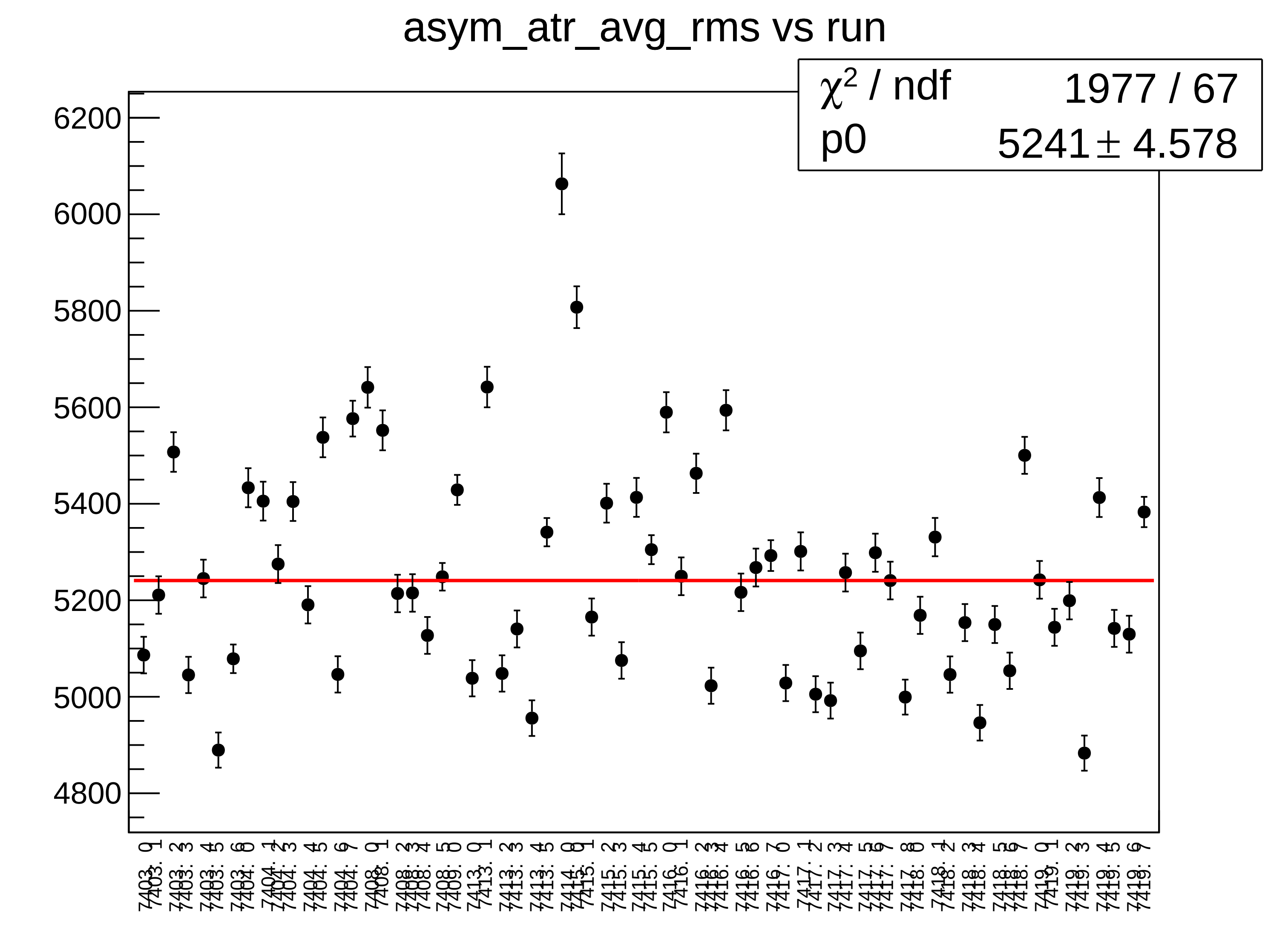


asym_atr_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 59.36 / 67
p0 967.8 ± 6041
150
100
50
0
−50
−100
−150
−200
pull
Entries 68
Mean 145.6
Std Dev 143.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean 0.009543
Std Dev 0.9343
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

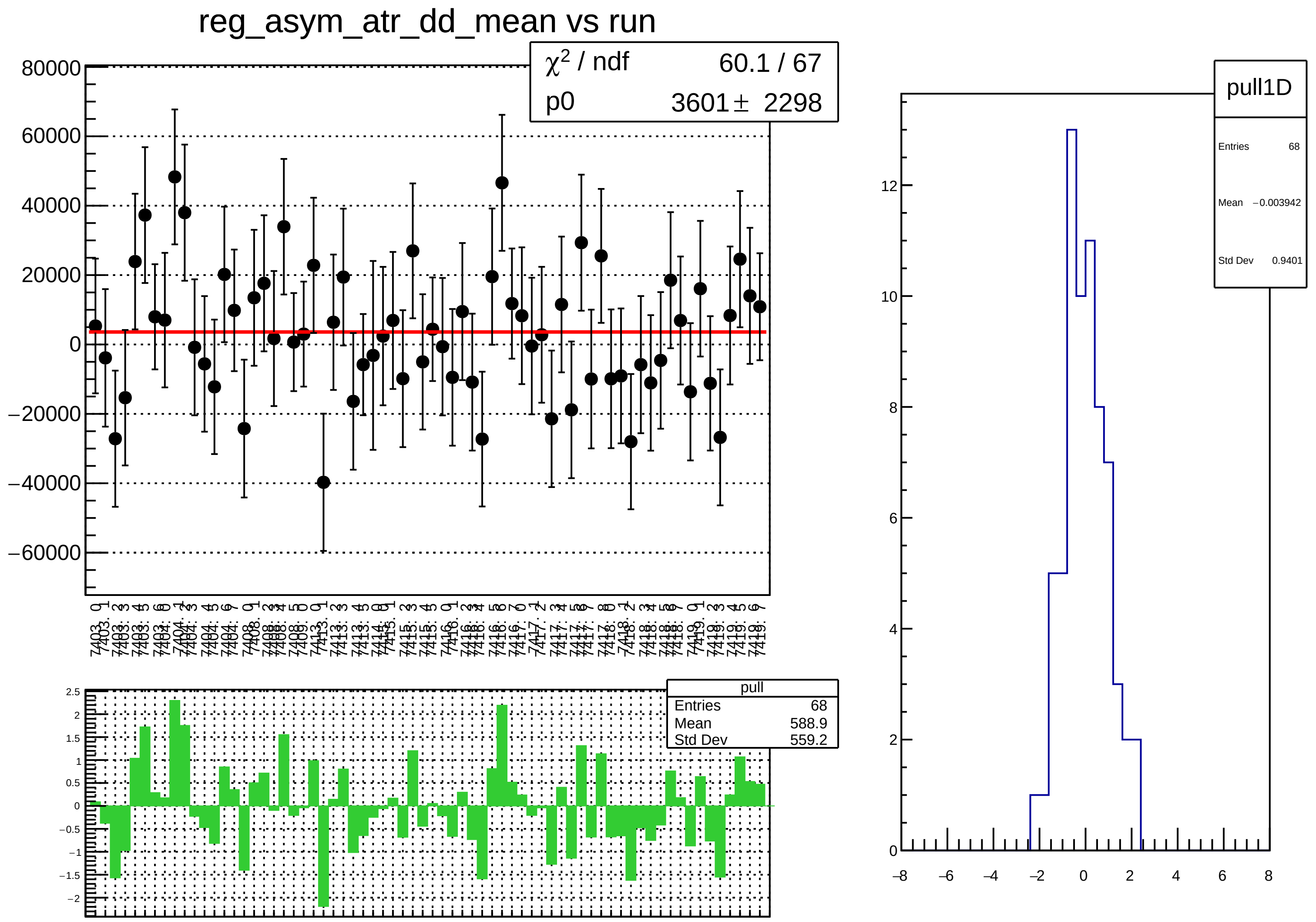


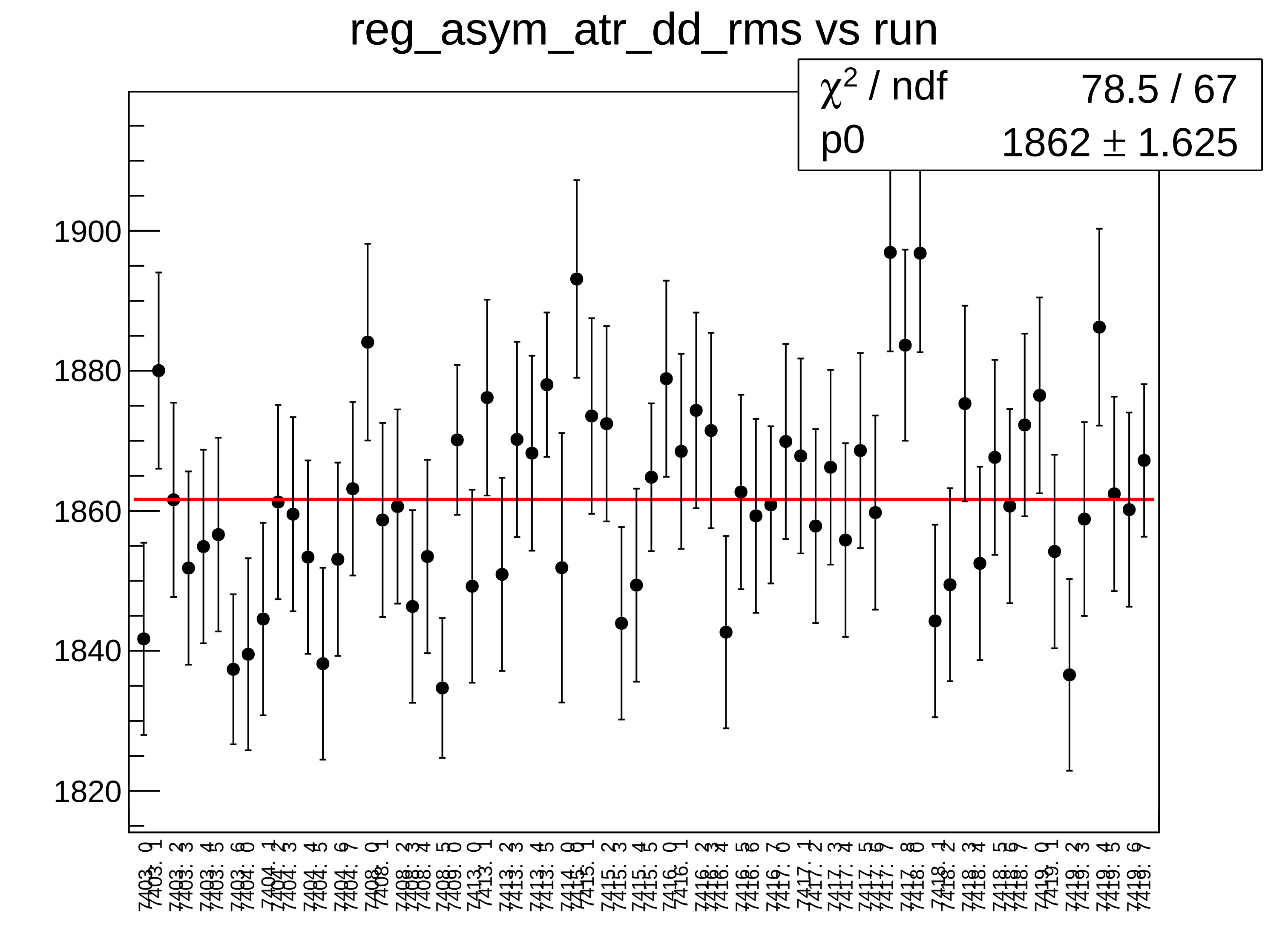
asym_atr_avg_correction_rms vs run
χ^2 / ndf 2547 / 67
p0 4888 ± 4.271
5800
5600
5400
5200
5000
4800
4600
4400


asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 62.12 / 67
p0 6070 ± 6475
pull
Entries 68
Mean 19.92
Std Dev 80.67
pull1D
Entries 68
Mean −0.009058
Std Dev 0.9558

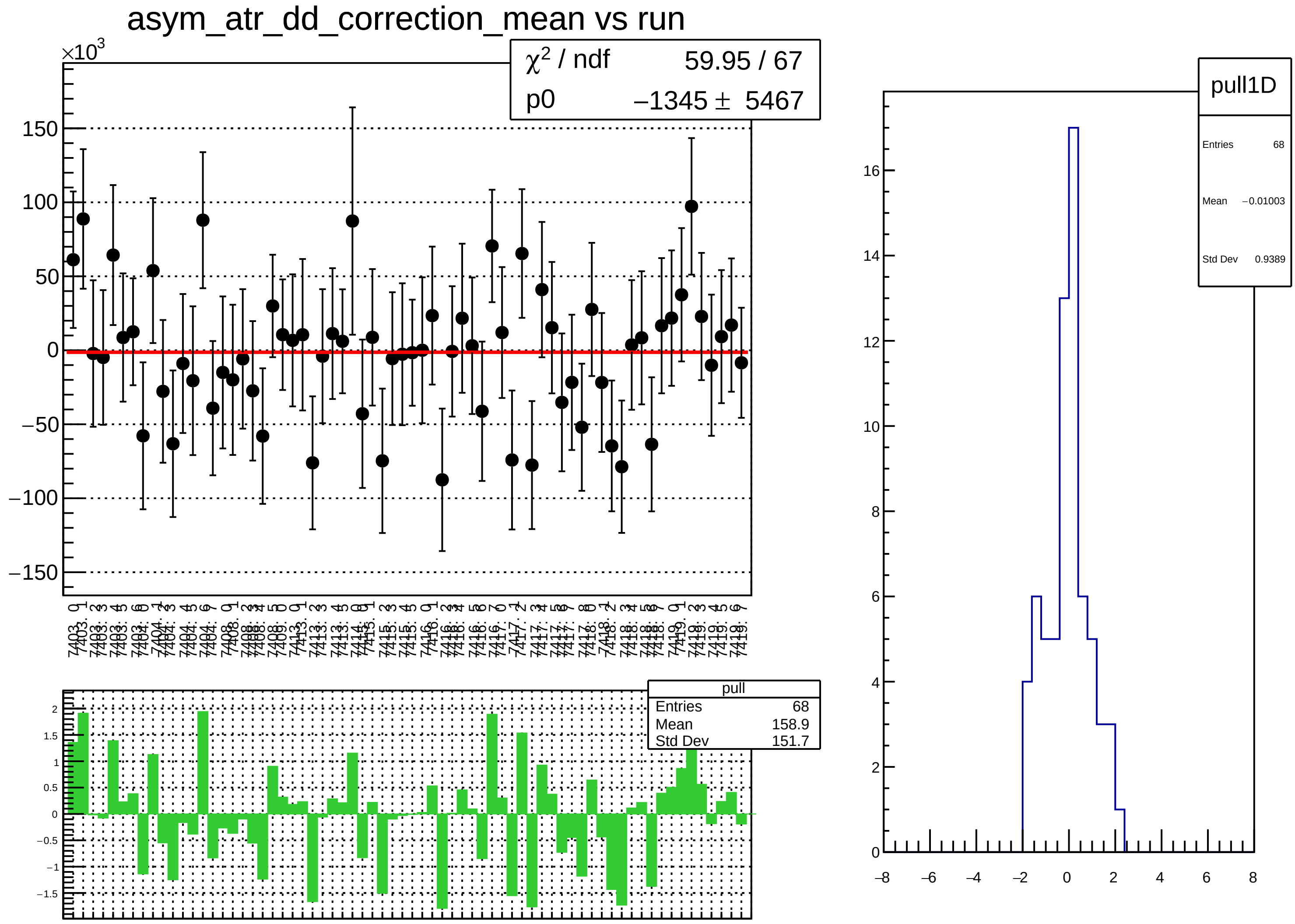


asym_atr_avg_rms vs run
χ2 / ndf 1977 / 67
p0 5241 ± 4.578
6200
6000
5800
5600
5400
5200
5000
4800

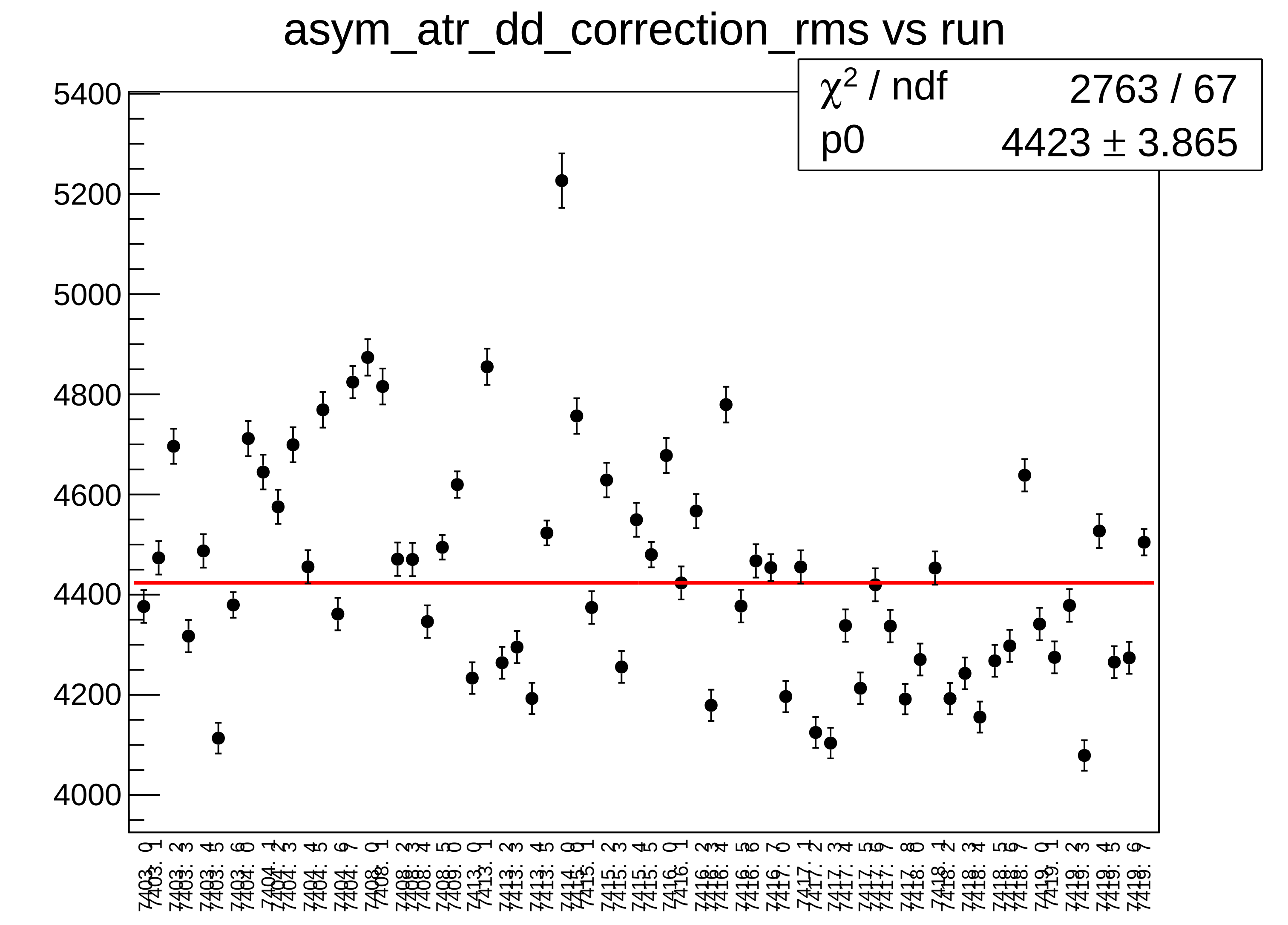

reg_asym_atr_dd_mean vs run
χ^2 / ndf 60.1 / 67
p0 3601 ± 2298
pull
Entries 68
Mean 588.9
Std Dev 559.2
pull1D
Entries 68
Mean −0.003942
Std Dev 0.9401



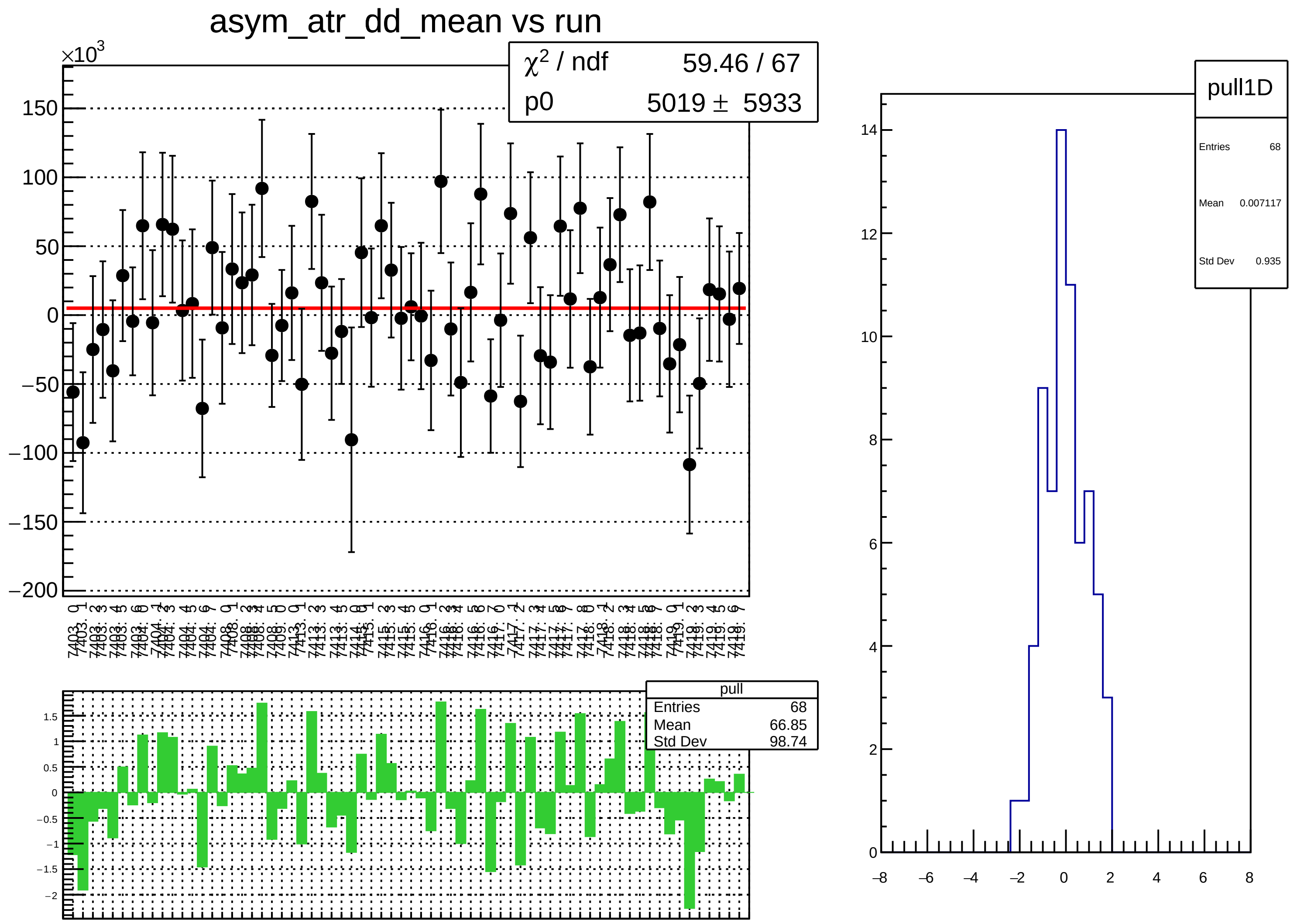
reg_asym_atr_dd_rms vs run
χ^2 / ndf 78.5 / 67
p0 1862 ± 1.625
1900
1880
1860
1840
1820

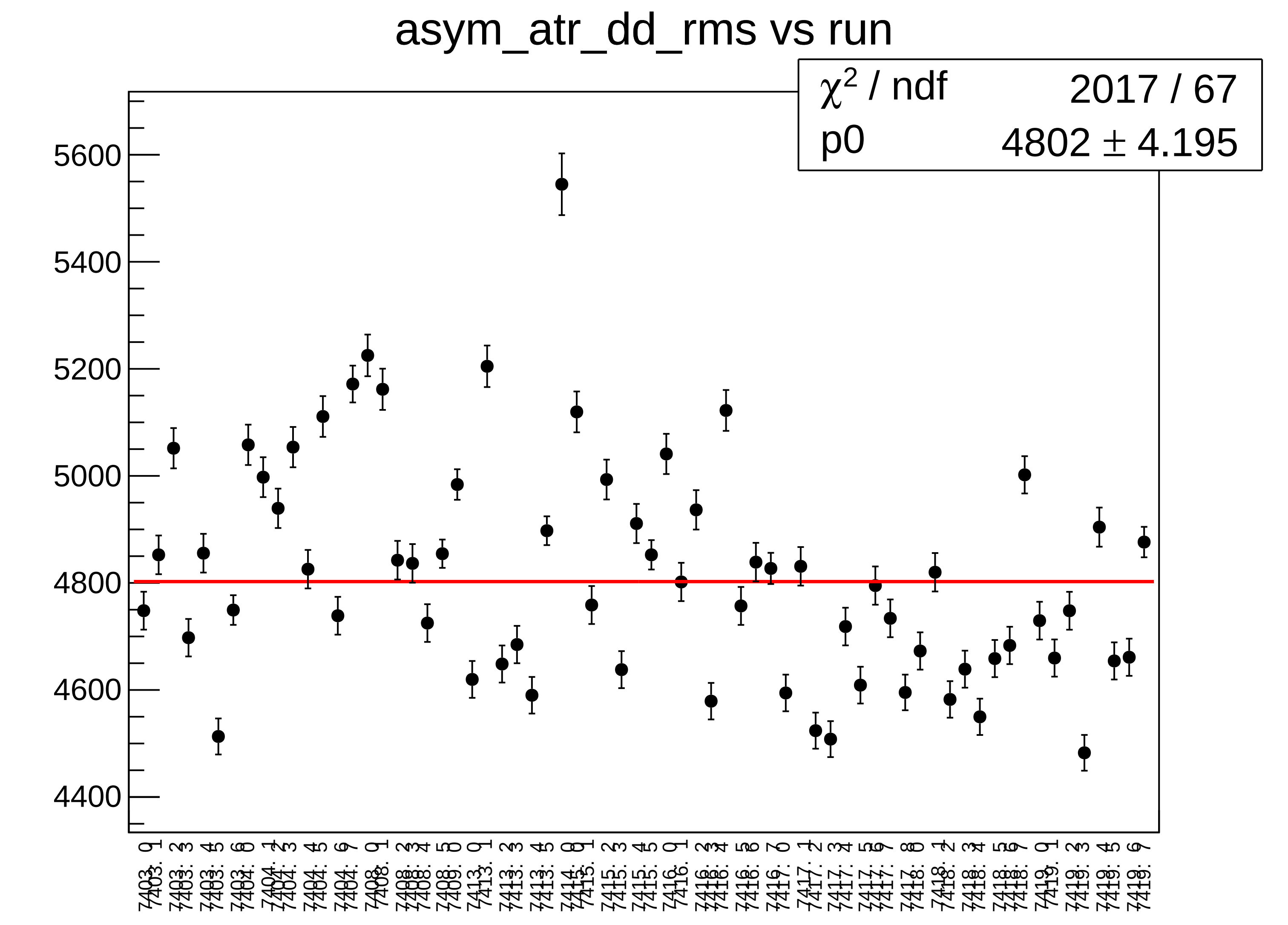


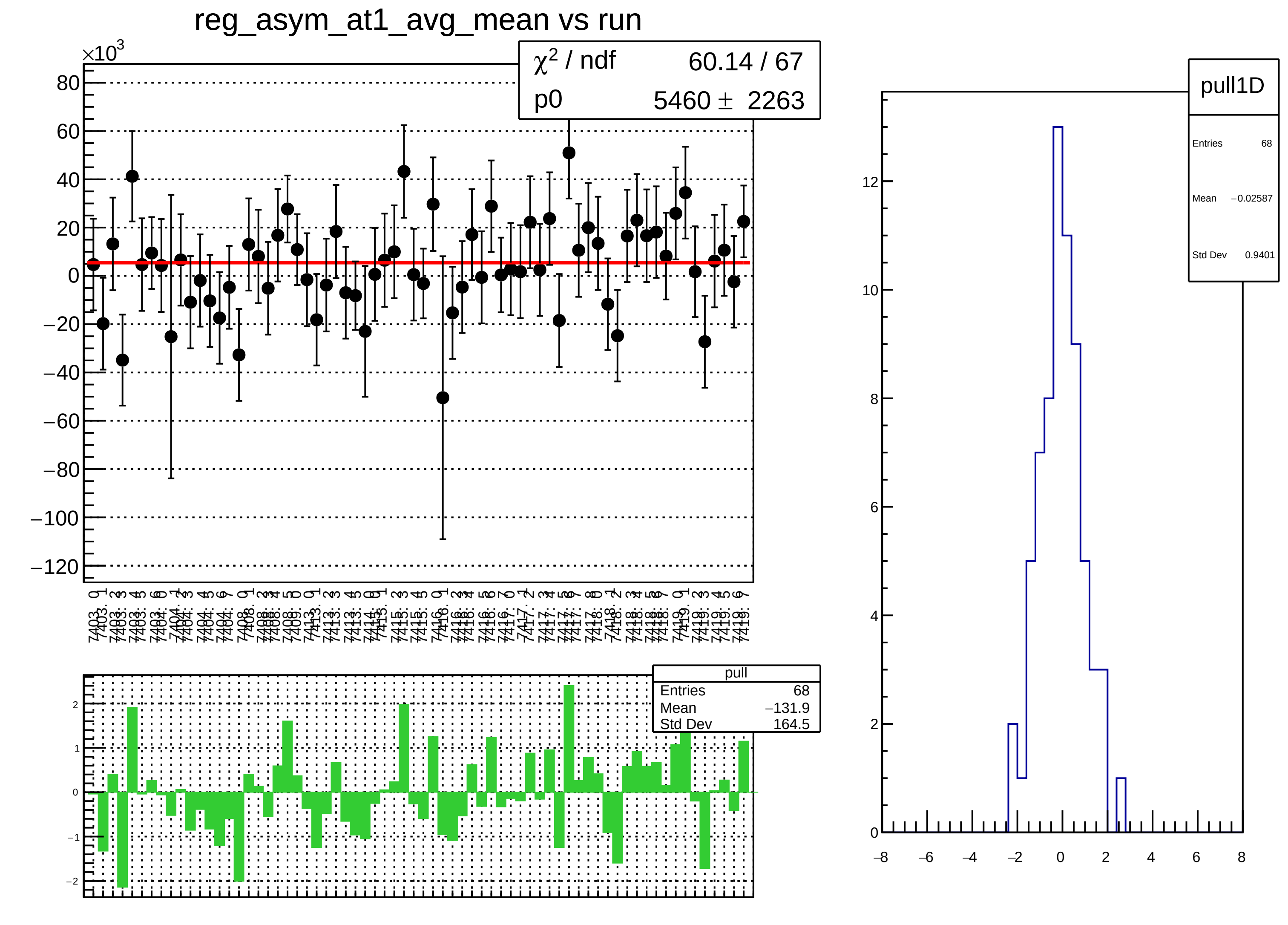
asym_atr_dd_correction_mean vs run
χ^2 / ndf 59.95 / 67
p0 −1345 ± 5467
×10^3
pull
Entries 68
Mean 158.9
Std Dev 151.7
pull1D
Entries 68
Mean −0.01003
Std Dev 0.9389



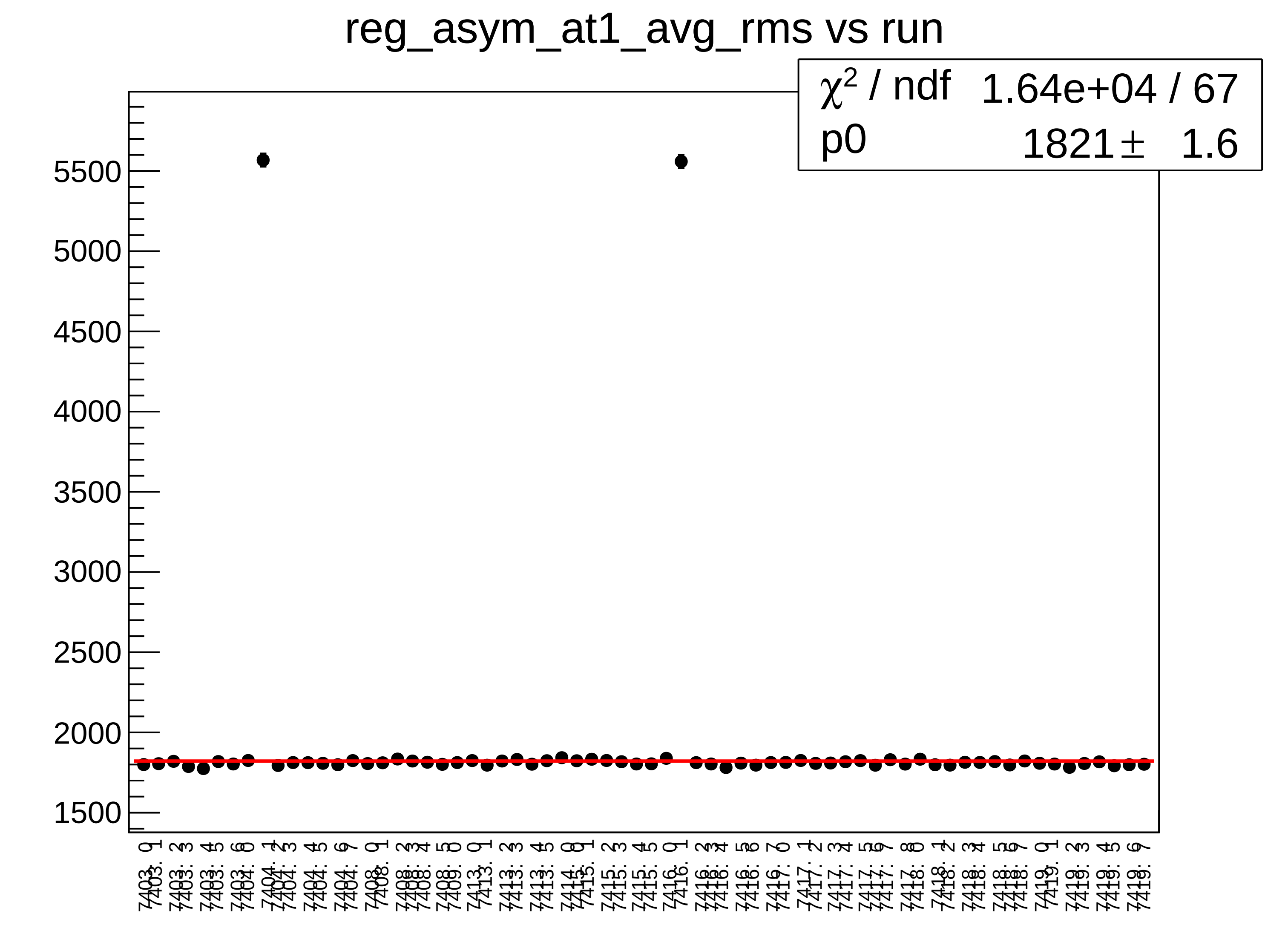
asym_atr_dd_correction_rms vs run
χ^2 / ndf 2763 / 67
p0 4423 ± 3.865
5400
5200
5000
4800
4600
4400
4200
4000


asym_atr_dd_mean vs run
χ2 / ndf 59.46 / 67
p0 5019 ± 5933
pull
Entries 68
Mean 66.85
Std Dev 98.74
pull1D
Entries 68
Mean 0.007117
Std Dev 0.935

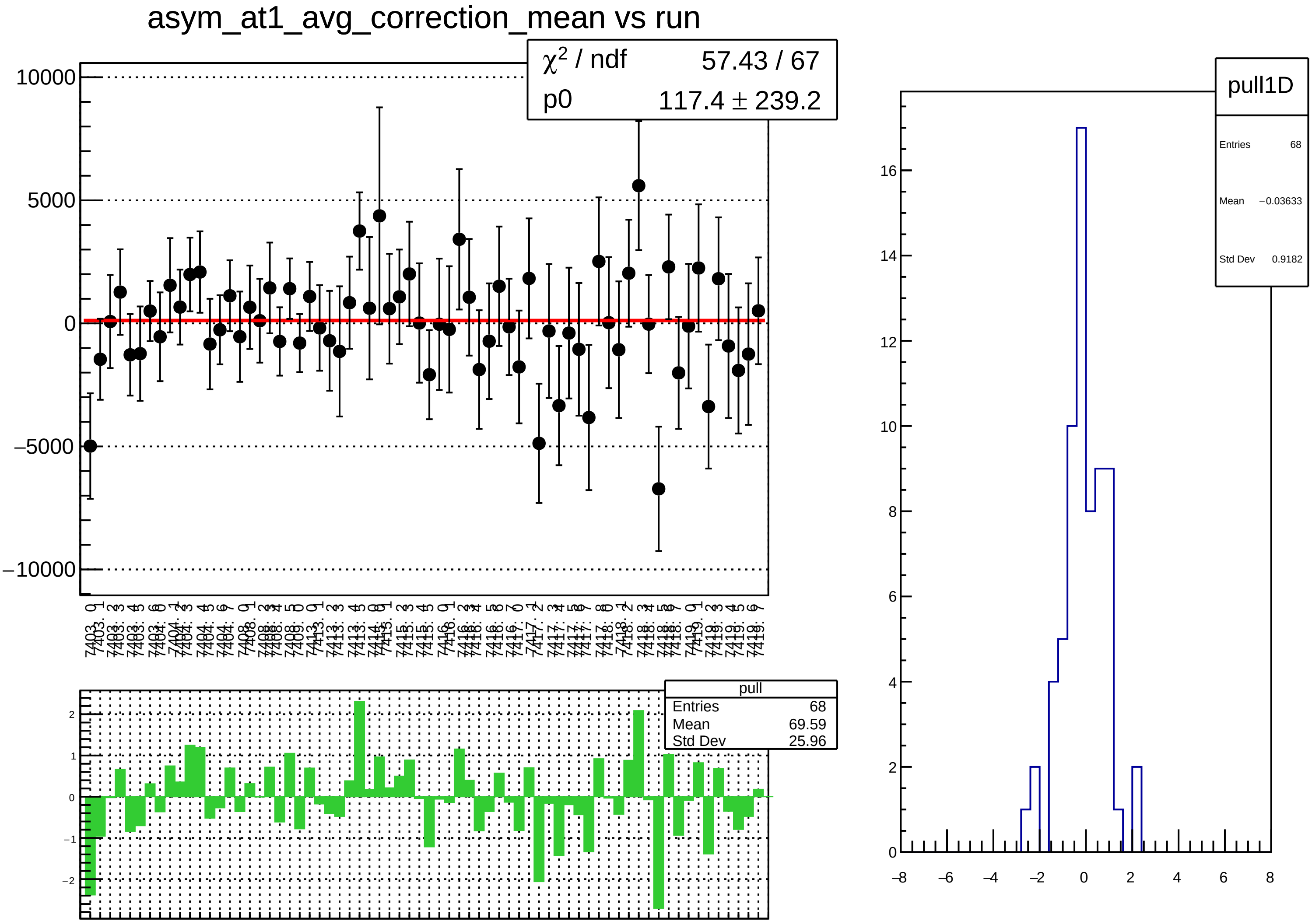

asym_atr_dd_rms vs run
χ2 / ndf 2017 / 67
p0 4802 ± 4.195
5600
5400
5200
5000
4800
4600
4400

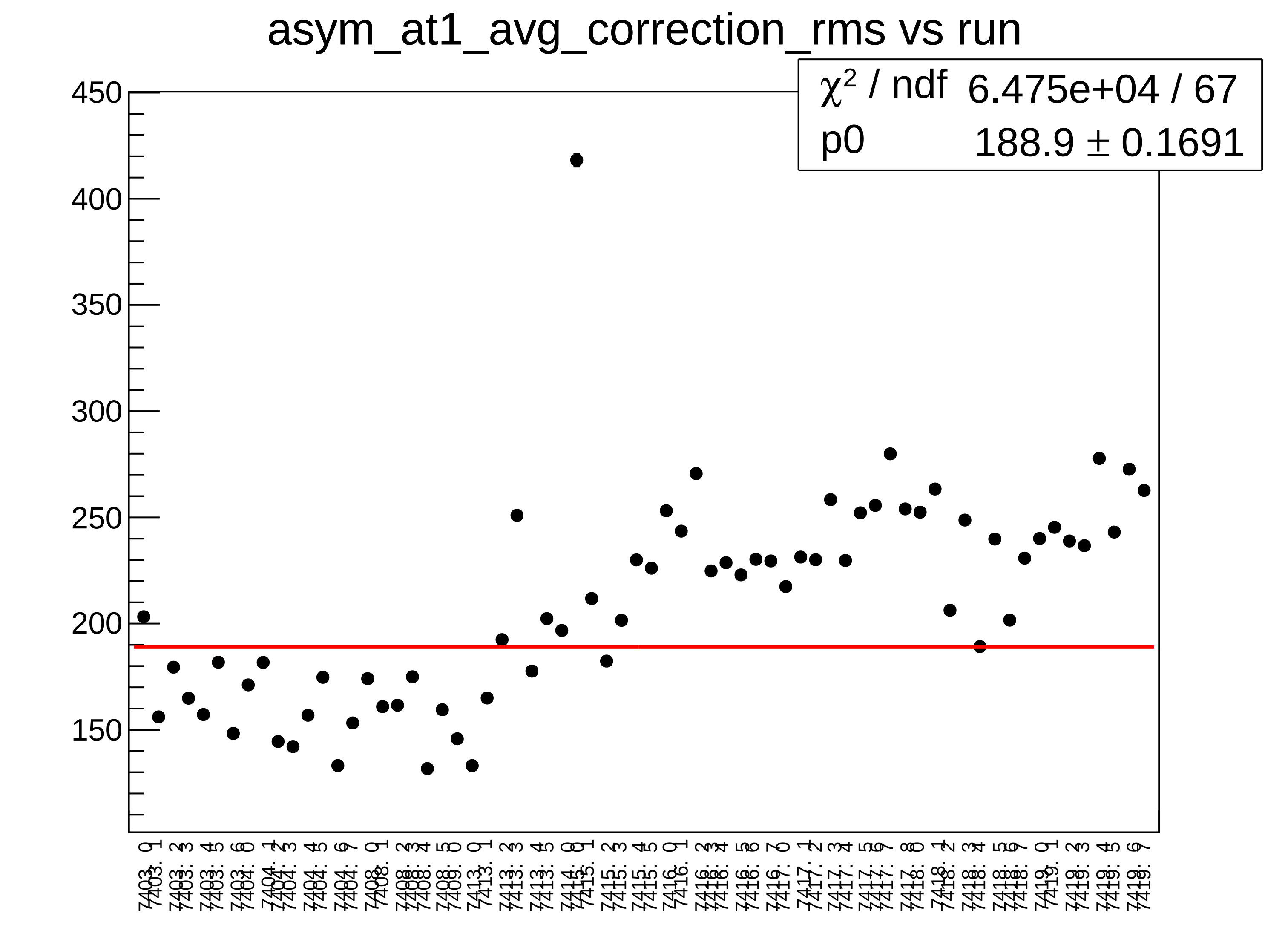


reg_asym_at1_avg_mean vs run
$\times10^3$
χ^2 / ndf 60.14 / 67
p0 5460 ± 2263
pull
Entries 68
Mean −131.9
Std Dev 164.5
pull1D
Entries 68
Mean −0.02587
Std Dev 0.9401

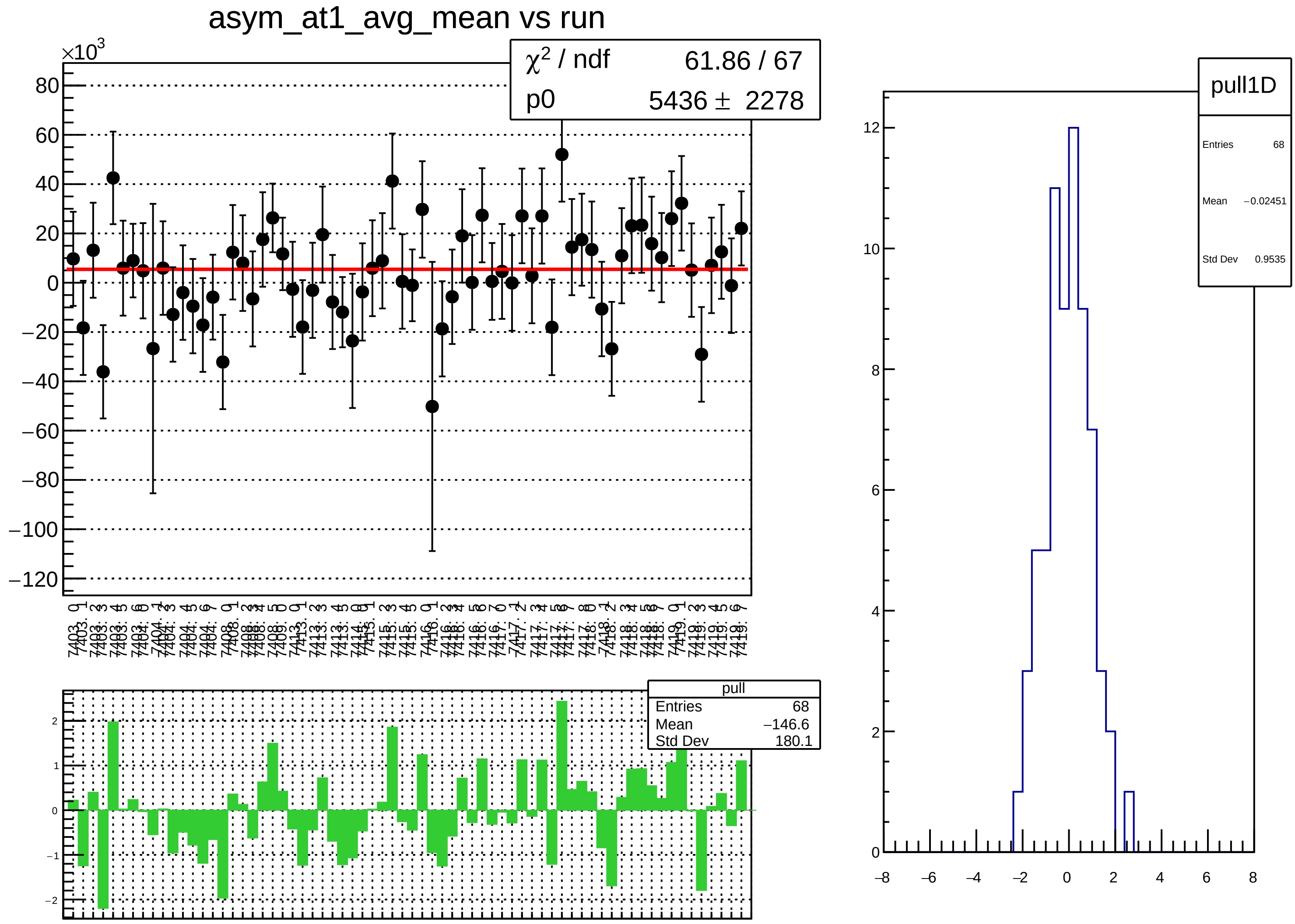


reg_asym_at1_avg_rms vs run
χ^2 / ndf 1.64e+04 / 67
p0 1821 ± 1.6
5500
5000
4500
4000
3500
3000
2500
2000
1500

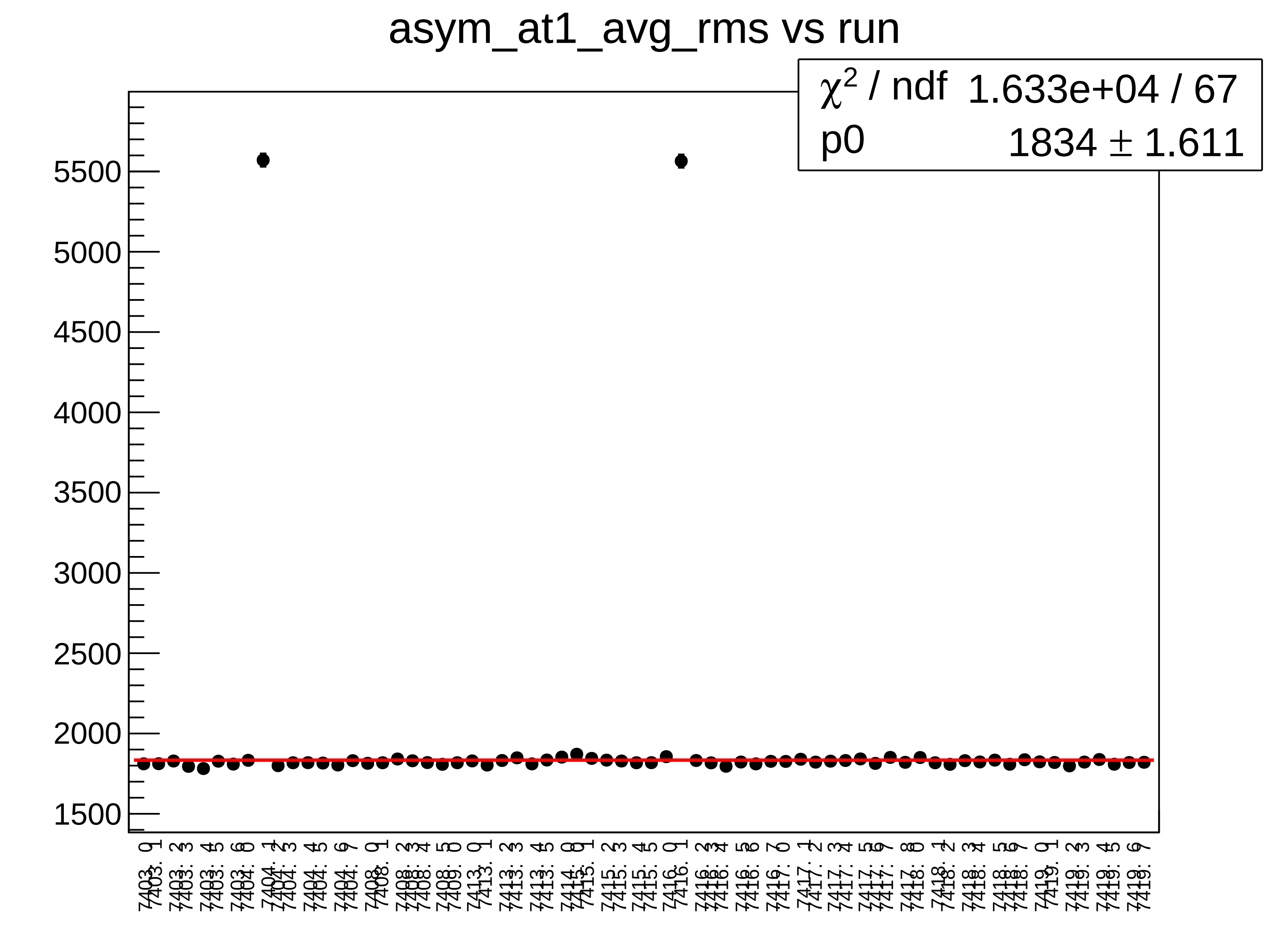

asym_at1_avg_correction_mean vs run
χ^2 / ndf 57.43 / 67
p0 117.4 ± 239.2
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 69.59
Std Dev 25.96
pull1D
Entries 68
Mean −0.03633
Std Dev 0.9182



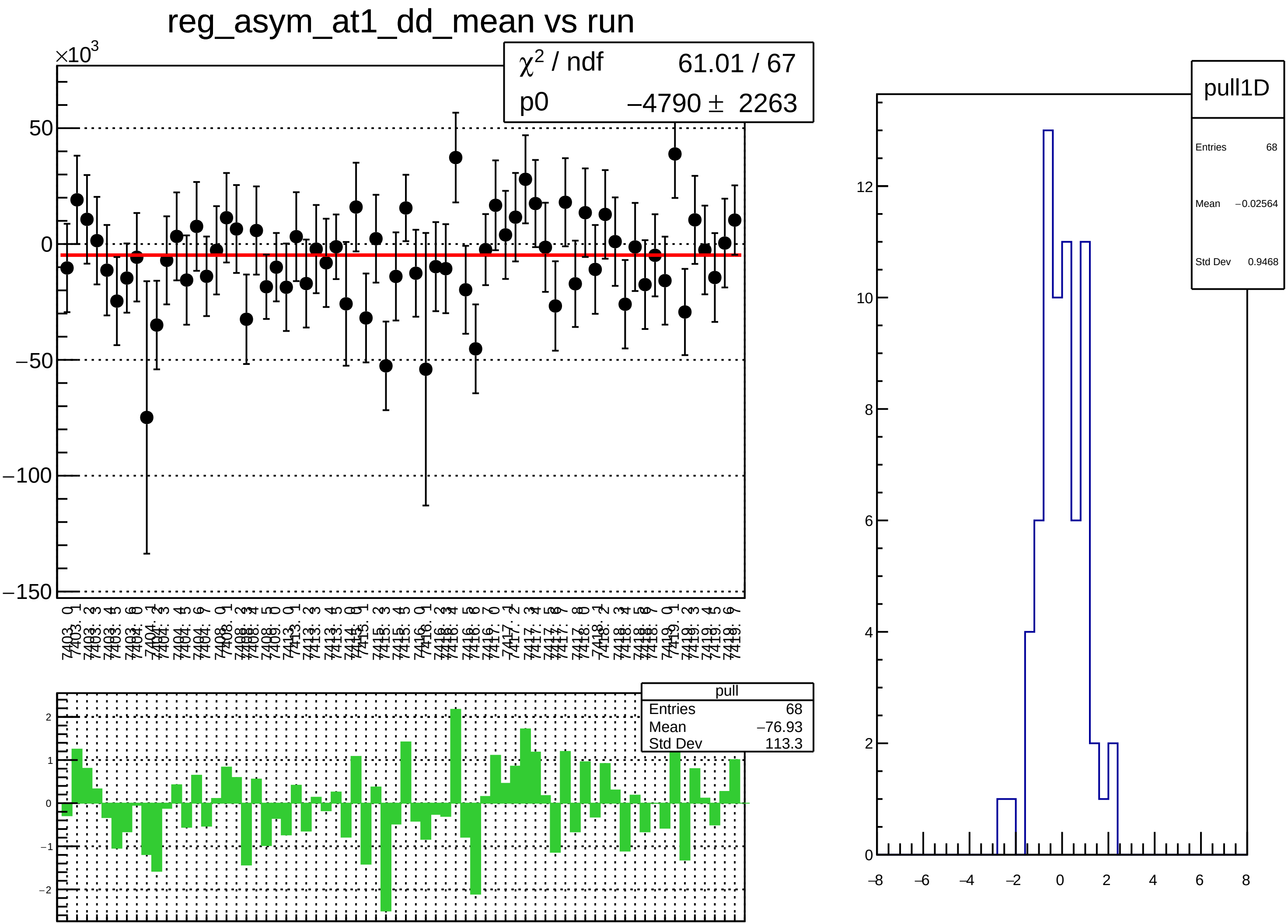
asym_at1_avg_correction_rms vs run
χ^2 / ndf 6.475e+04 / 67
p0 188.9 ± 0.1691



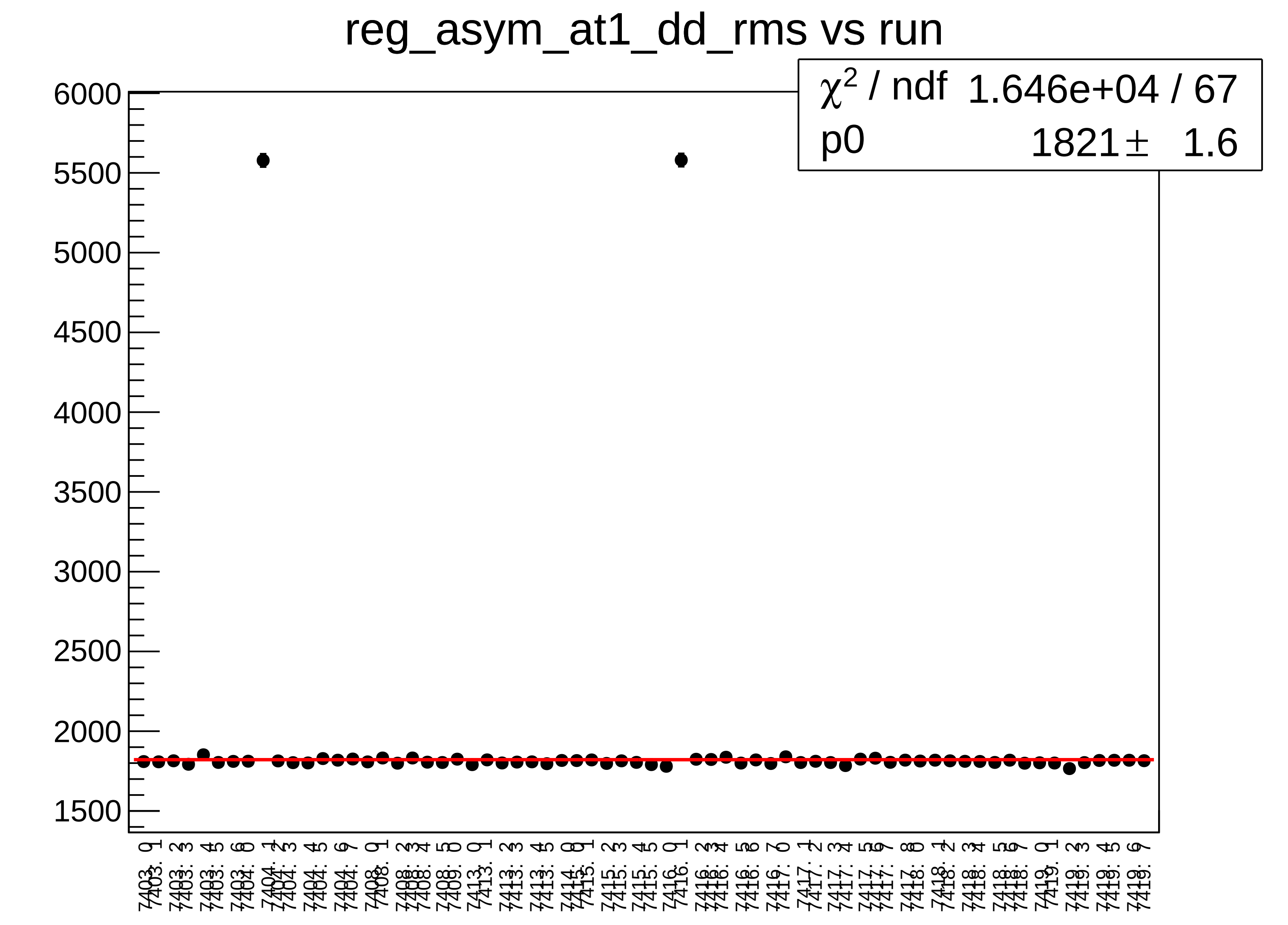
asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 61.86 / 67
p0 5436 ± 2278
pull
Entries 68
Mean −146.6
Std Dev 180.1
pull1D
Entries 68
Mean −0.02451
Std Dev 0.9535



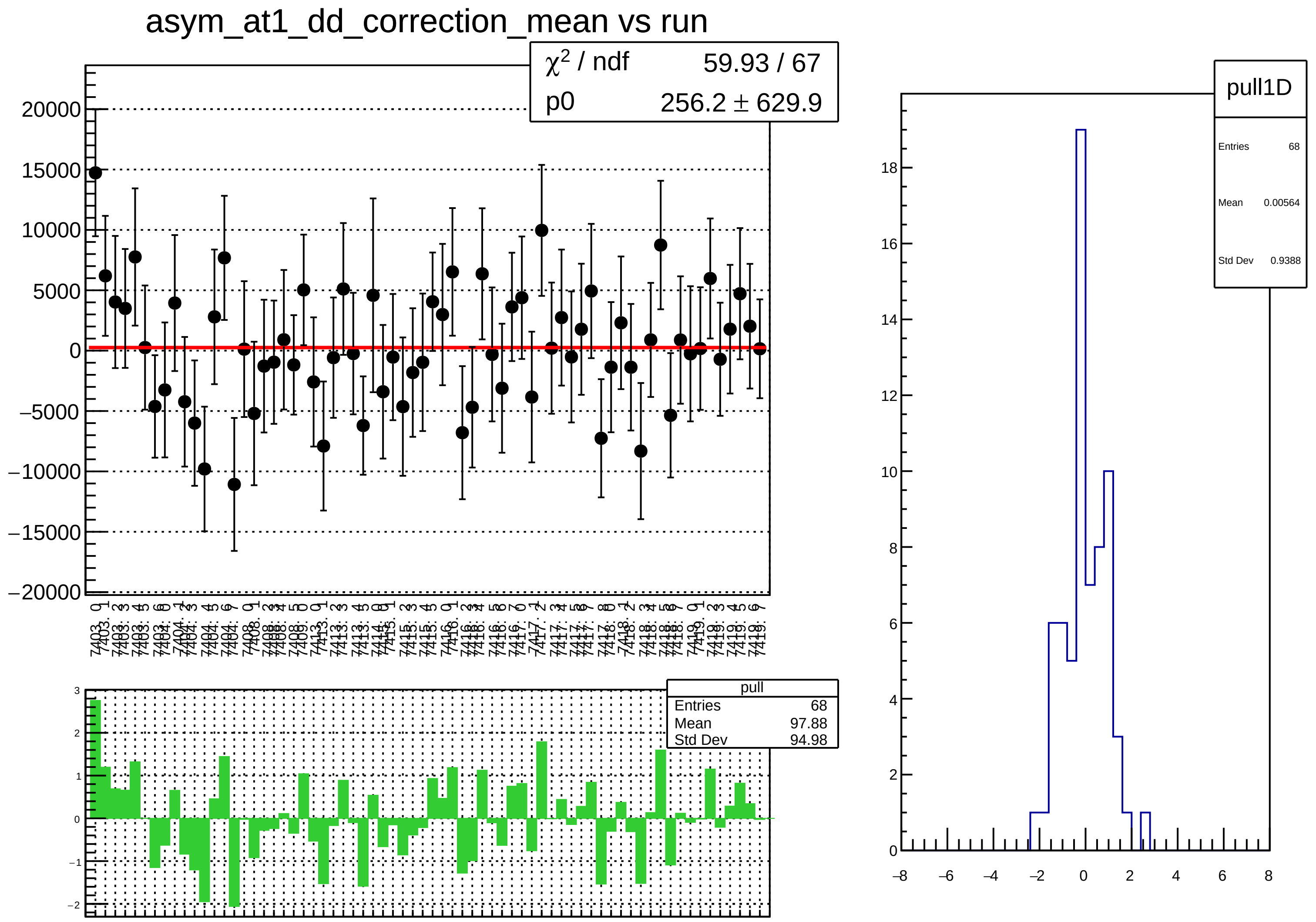
asym_at1_avg_rms vs run
χ^2 / ndf 1.633e+04 / 67
p0 1834 ± 1.611
5500
5000
4500
4000
3500
3000
2500
2000
1500



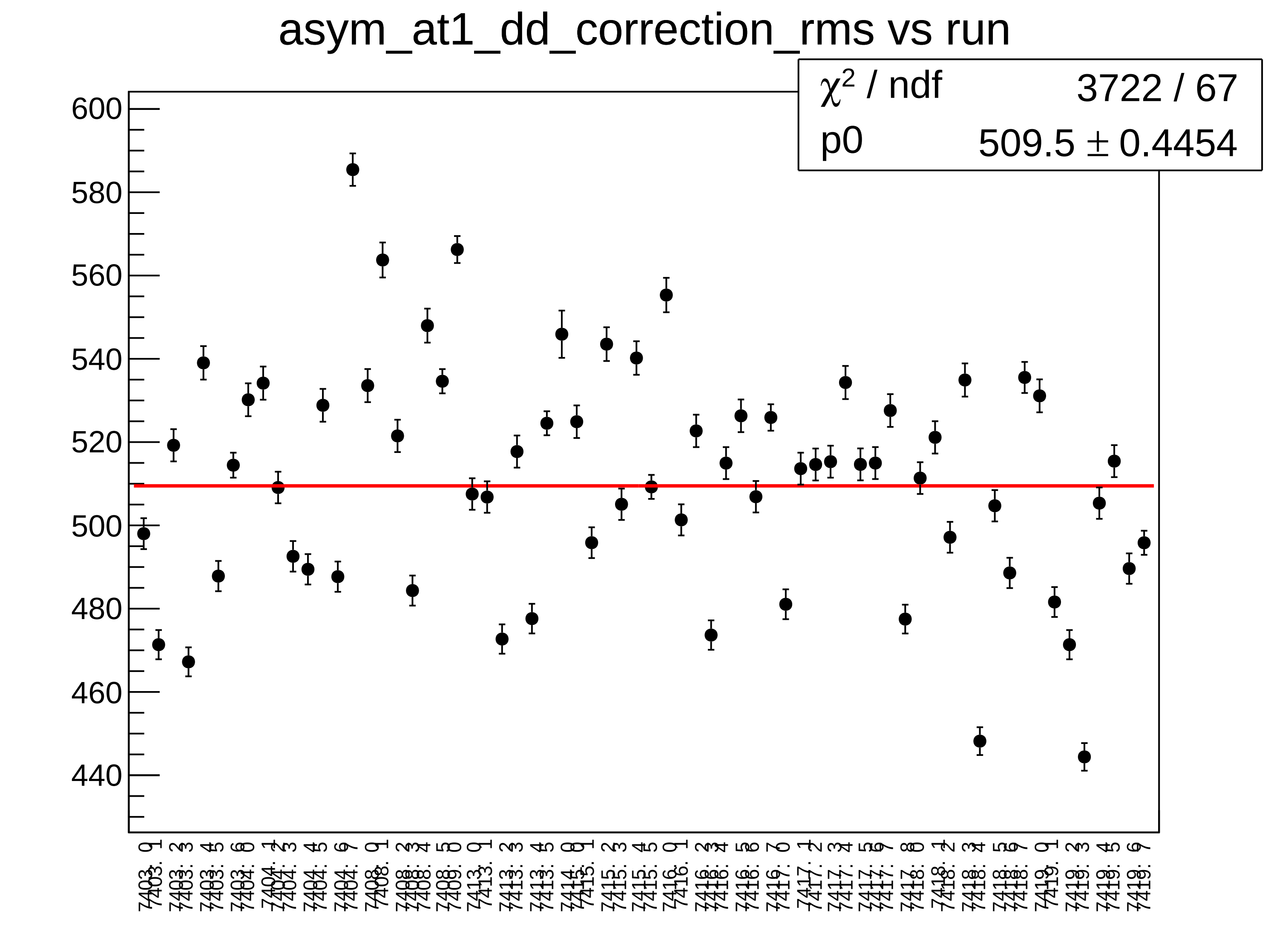
reg_asym_at1_dd_mean vs run
$\times10^3$
χ^2 / ndf 61.01 / 67
p0 −4790 ± 2263
pull
Entries 68
Mean −76.93
Std Dev 113.3
pull1D
Entries 68
Mean −0.02564
Std Dev 0.9468



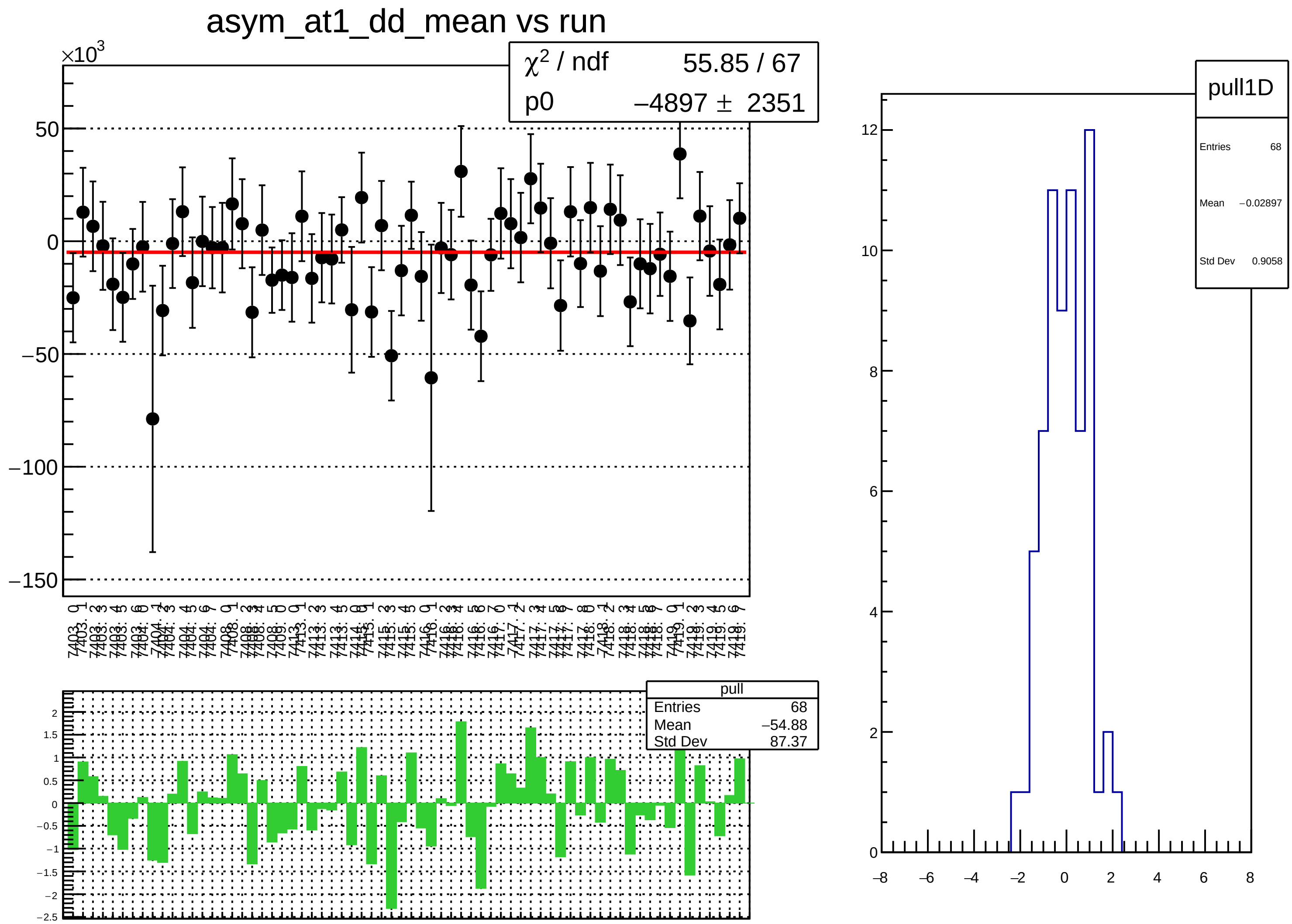
reg_asym_at1_dd_rms vs run
χ^2 / ndf 1.646e+04 / 67
p0 1821 ± 1.6
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

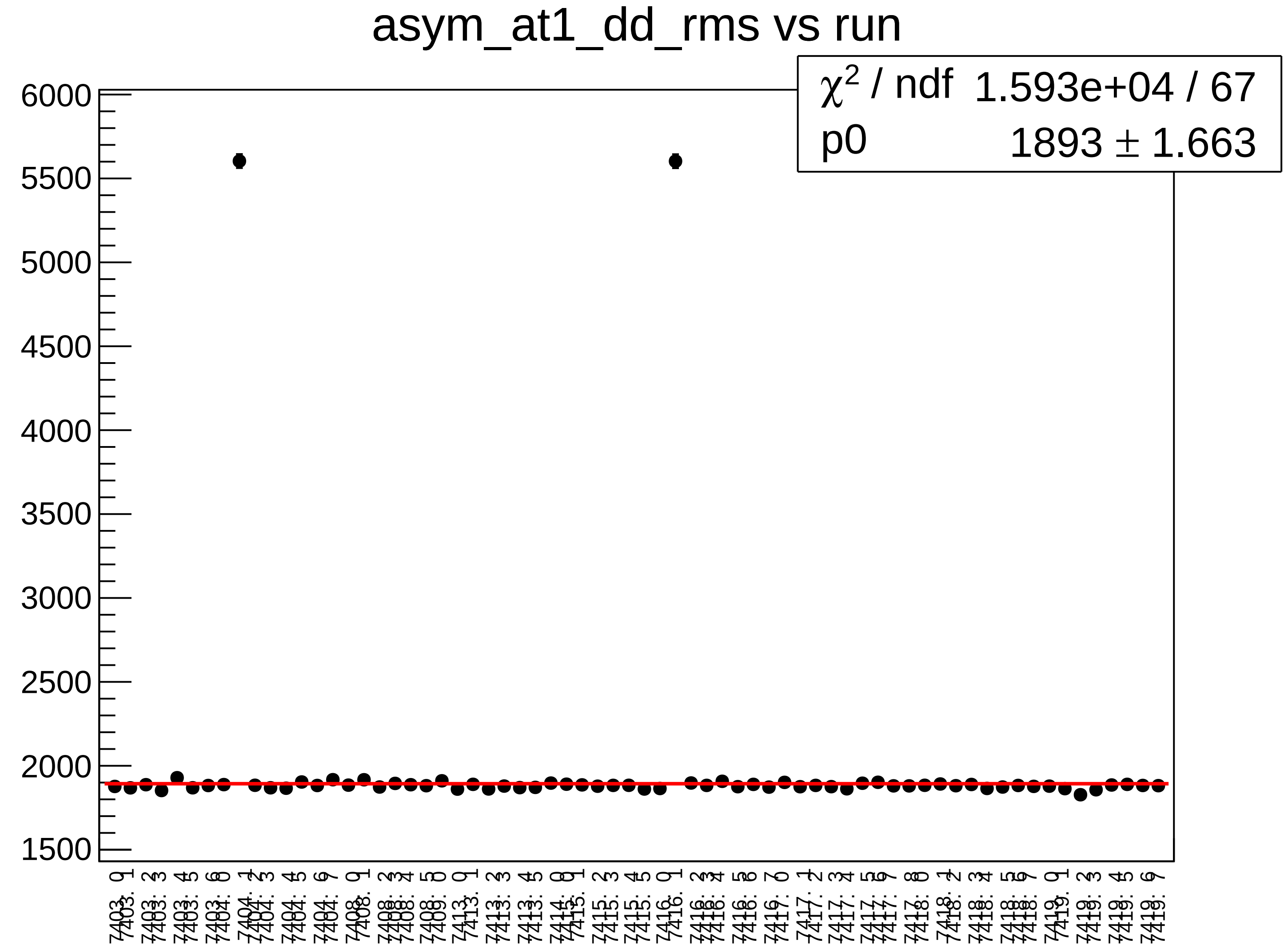


asym_at1_dd_correction_mean vs run
χ^2 / ndf 59.93 / 67
p0 256.2 ± 629.9
pull
Entries 68
Mean 97.88
Std Dev 94.98
pull1D
Entries 68
Mean 0.00564
Std Dev 0.9388

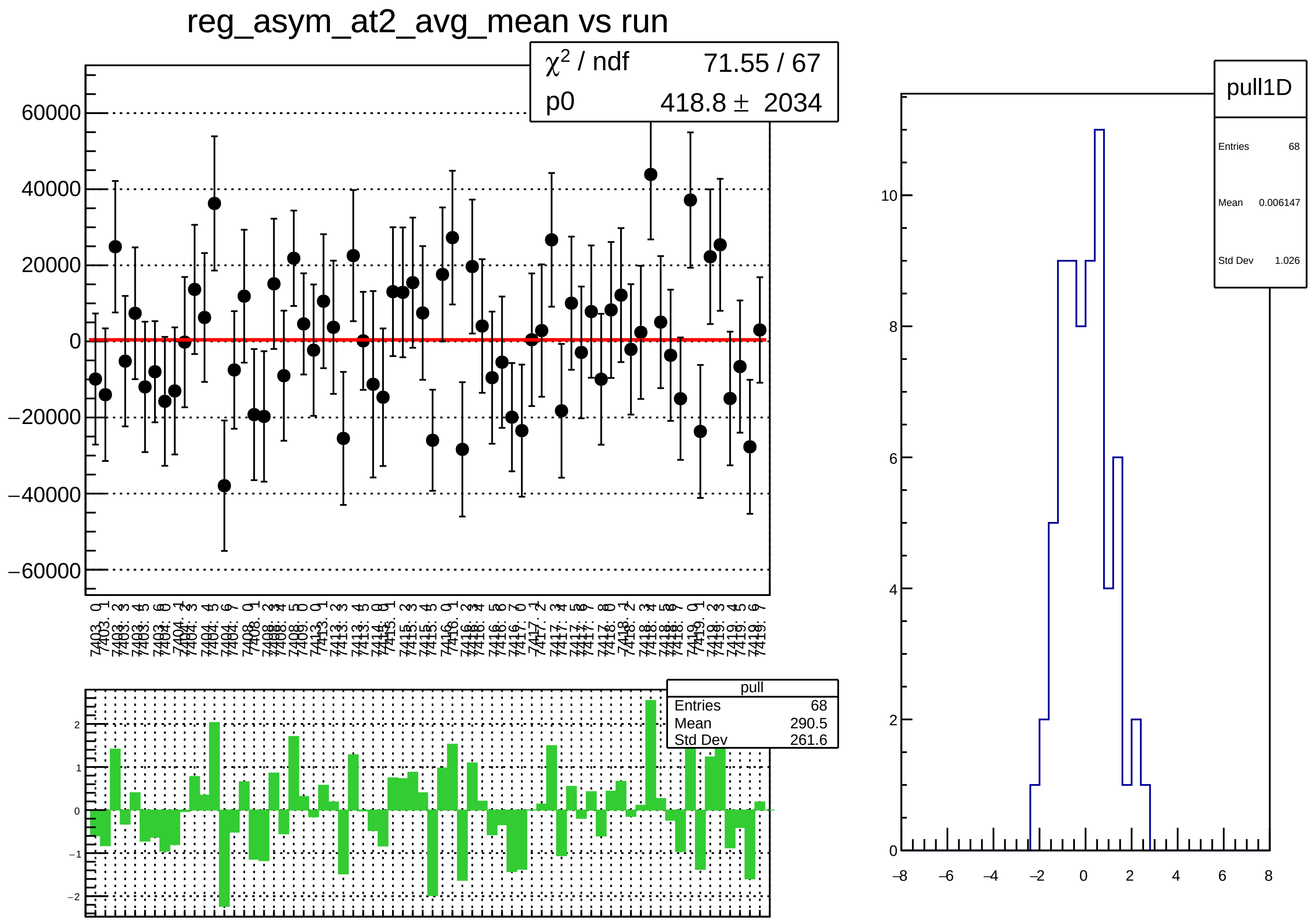


asym_at1_dd_correction_rms vs run
χ^2 / ndf 3722 / 67
p0 509.5 ± 0.4454
600
580
560
540
520
500
480
460
440

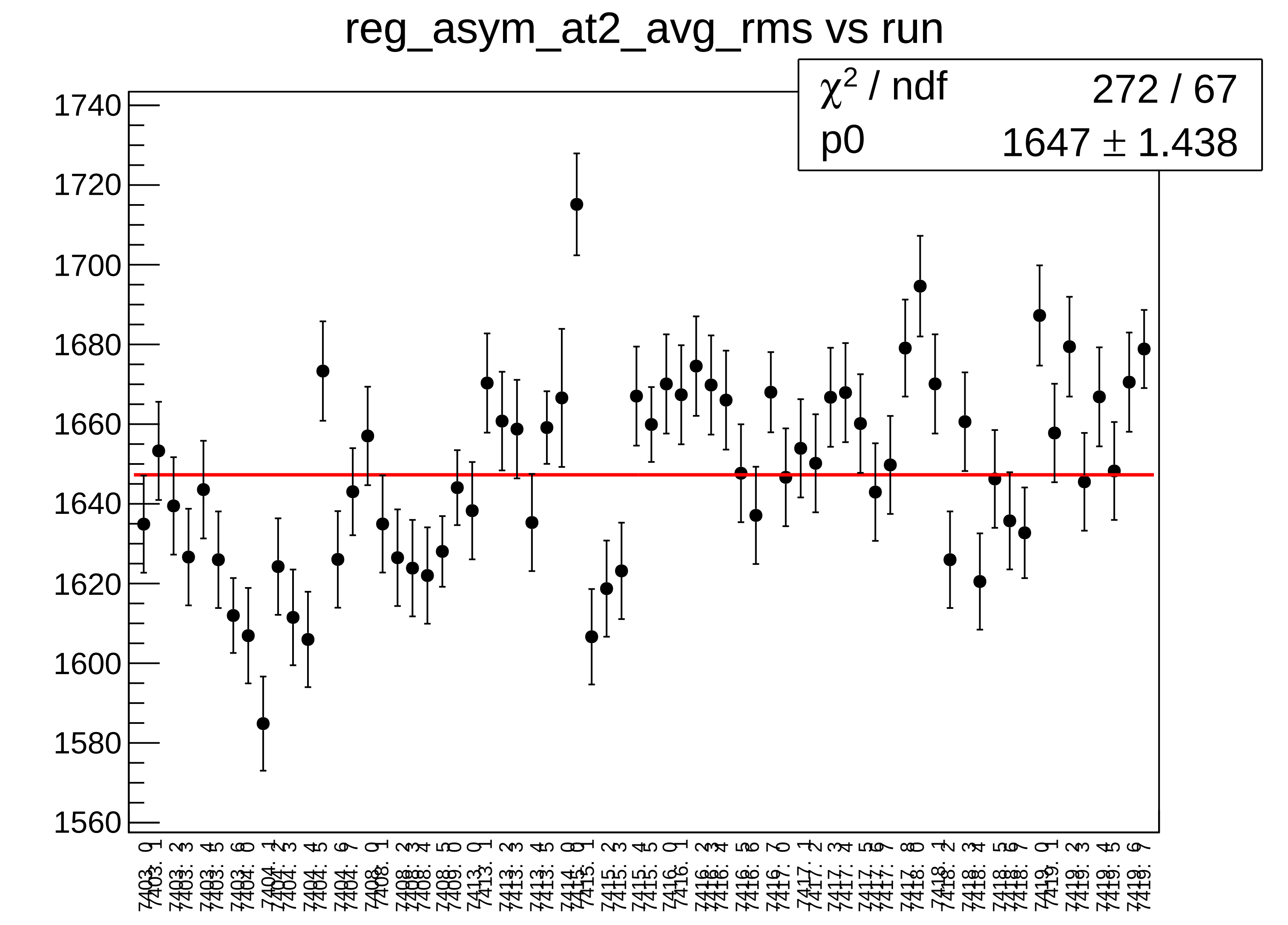

asym_at1_dd_mean vs run
χ^2 / ndf 55.85 / 67
p0 −4897 ± 2351
×10^3
pull
Entries 68
Mean −54.88
Std Dev 87.37
pull1D
Entries 68
Mean −0.02897
Std Dev 0.9058



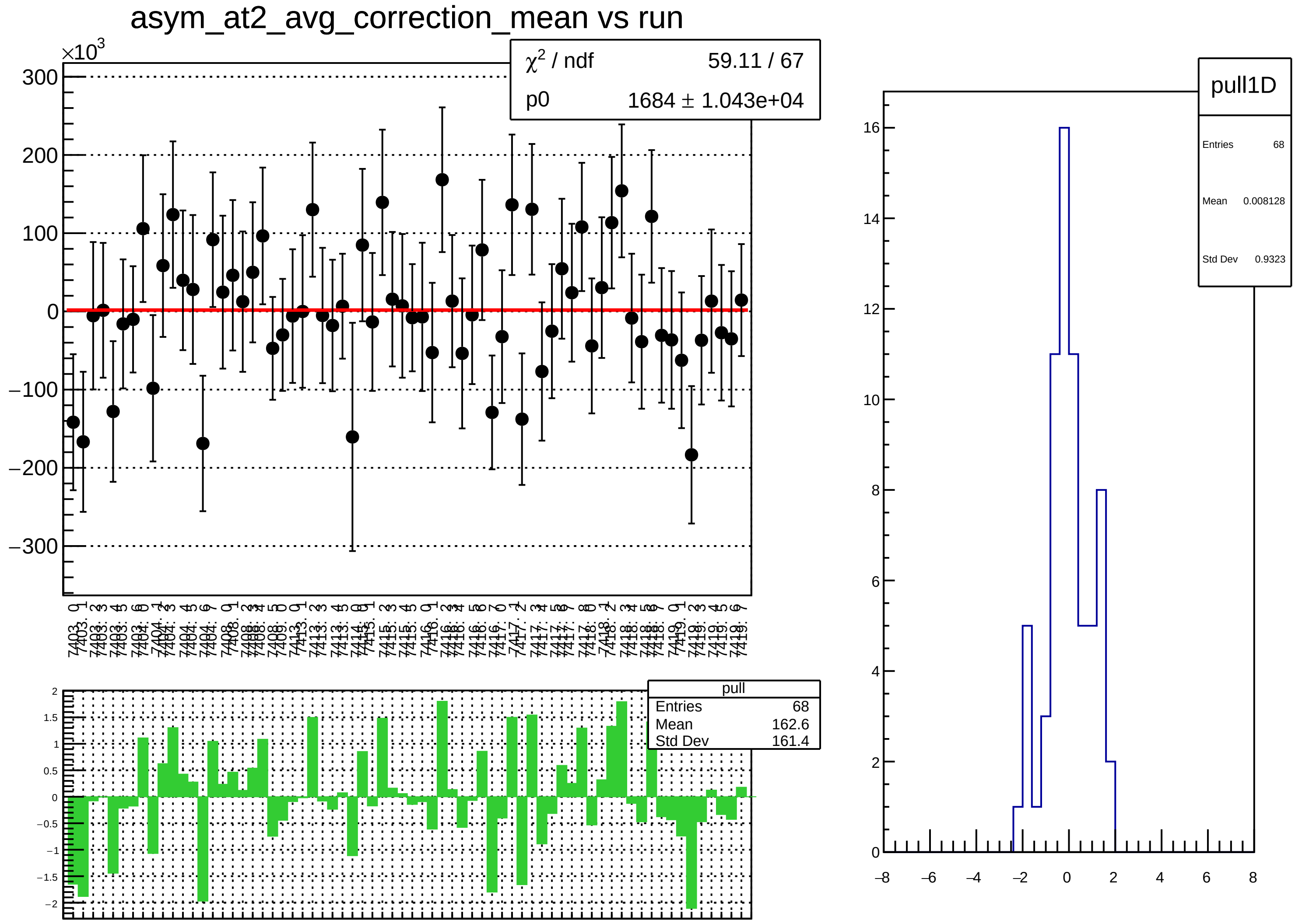
asym_at1_dd_rms vs run
χ^2 / ndf 1.593e+04 / 67
p0 1893 ± 1.663
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



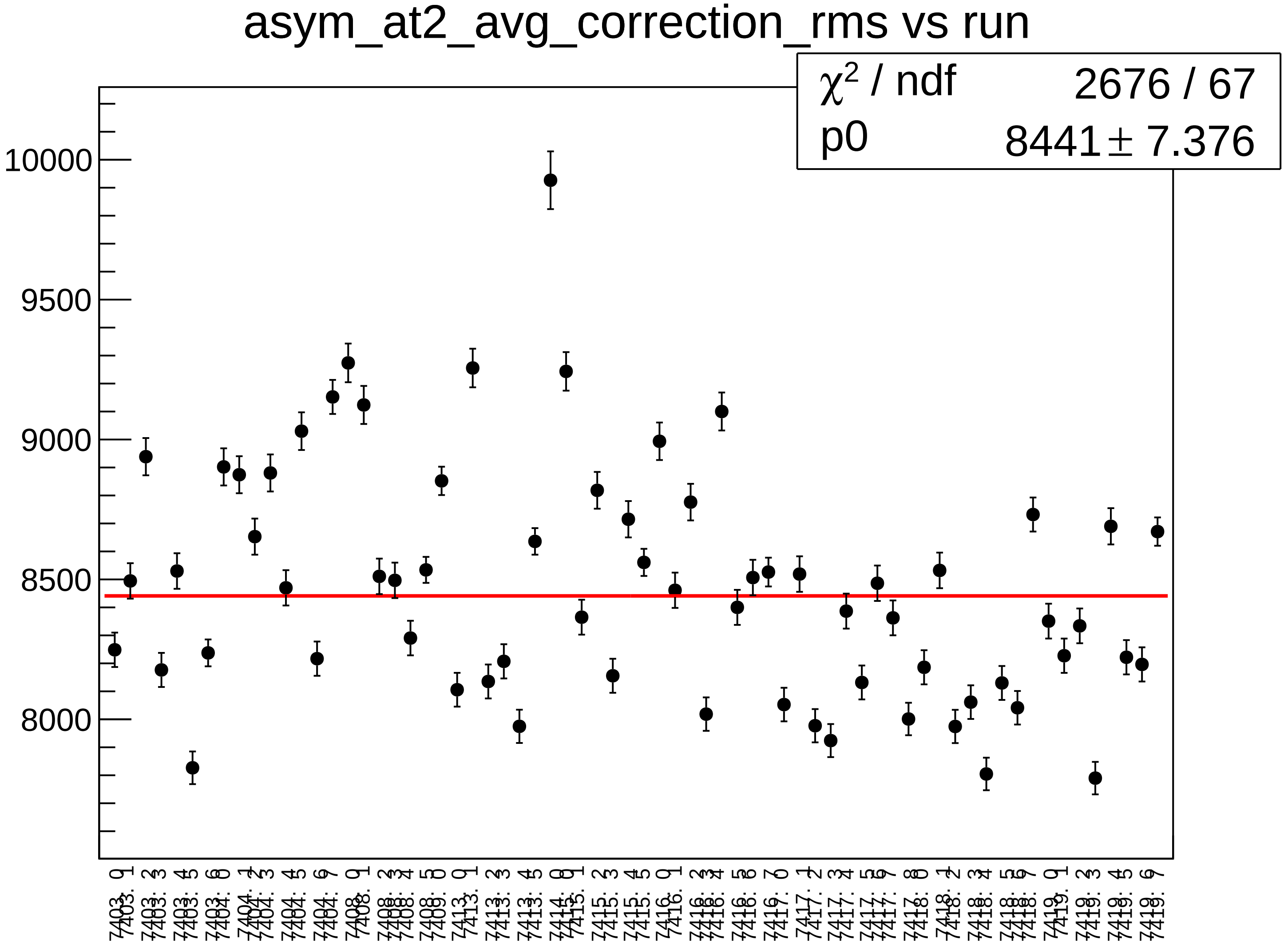
reg_asym_at2_avg_mean vs run
χ^2 / ndf 71.55 / 67
p0 418.8 ± 2034
pull
Entries 68
Mean 290.5
Std Dev 261.6
pull1D
Entries 68
Mean 0.006147
Std Dev 1.026



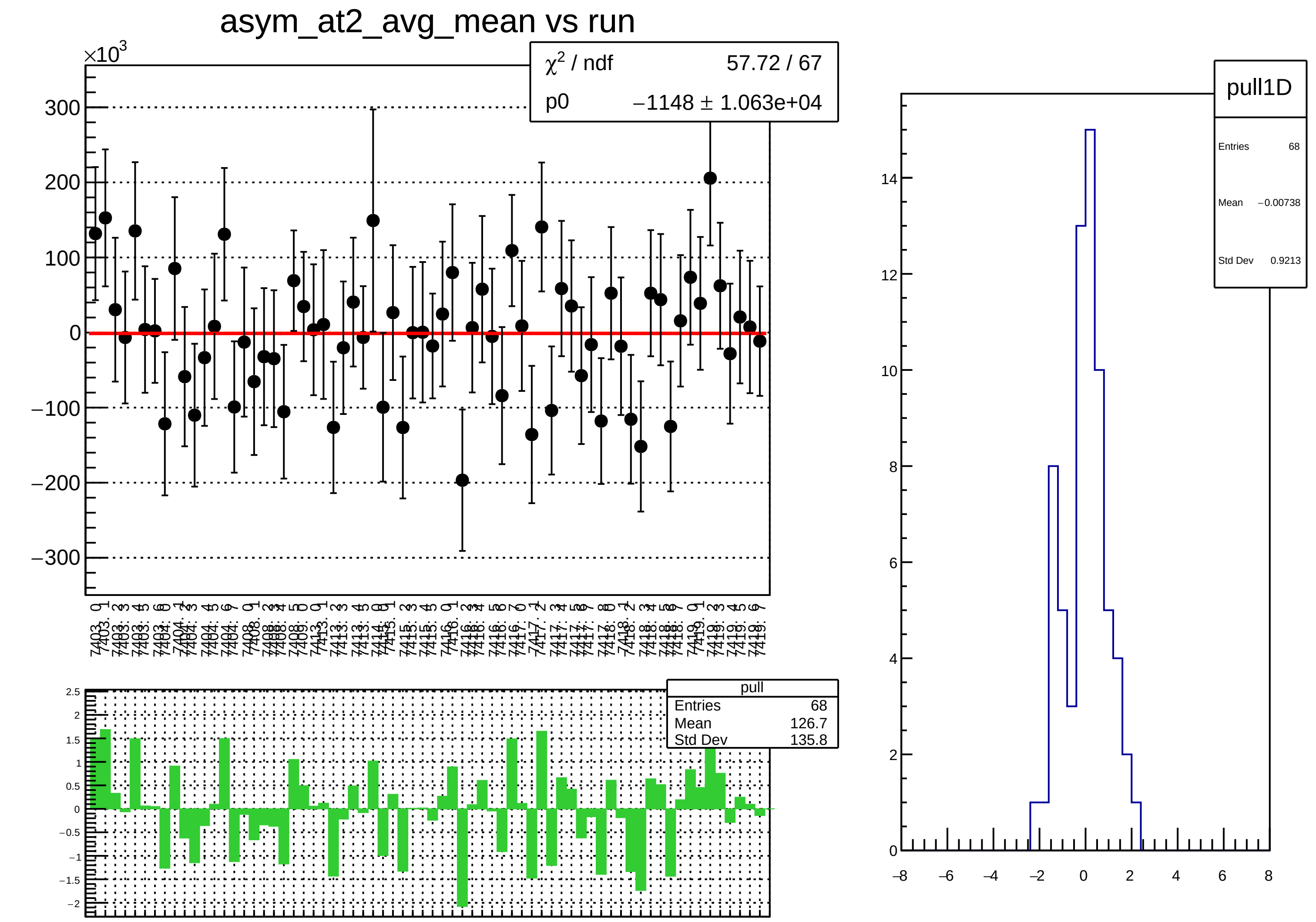
reg_asym_at2_avg_rms vs run
χ^2 / ndf 272 / 67
p0 1647 ± 1.438
1740
1720
1700
1680
1660
1640
1620
1600
1580
1560



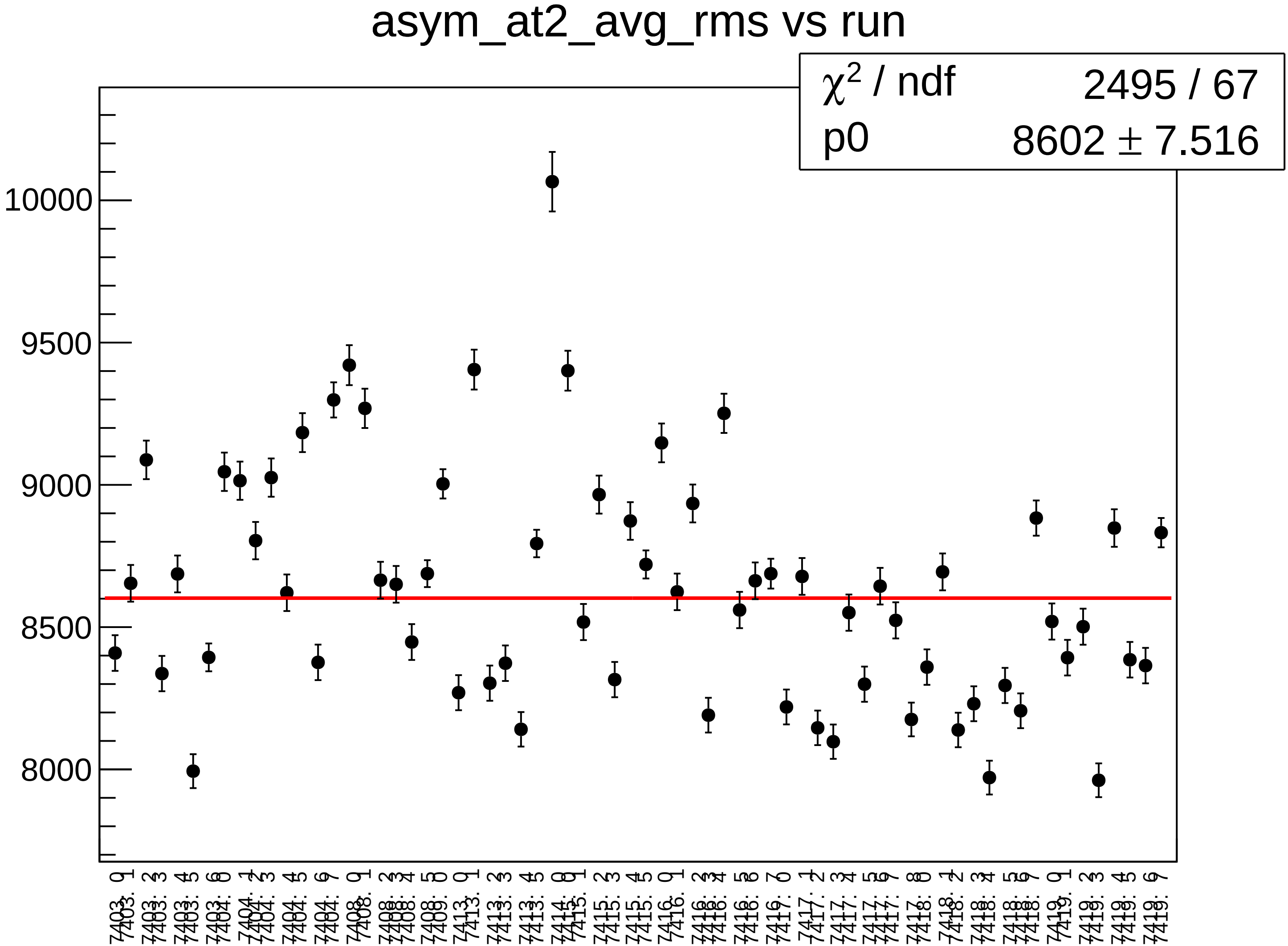
asym_at2_avg_correction_mean vs run
χ^2 / ndf 59.11 / 67
p0 1684 ± 1.043e+04
×10³
pull
Entries 68
Mean 162.6
Std Dev 161.4
pull1D
Entries 68
Mean 0.008128
Std Dev 0.9323

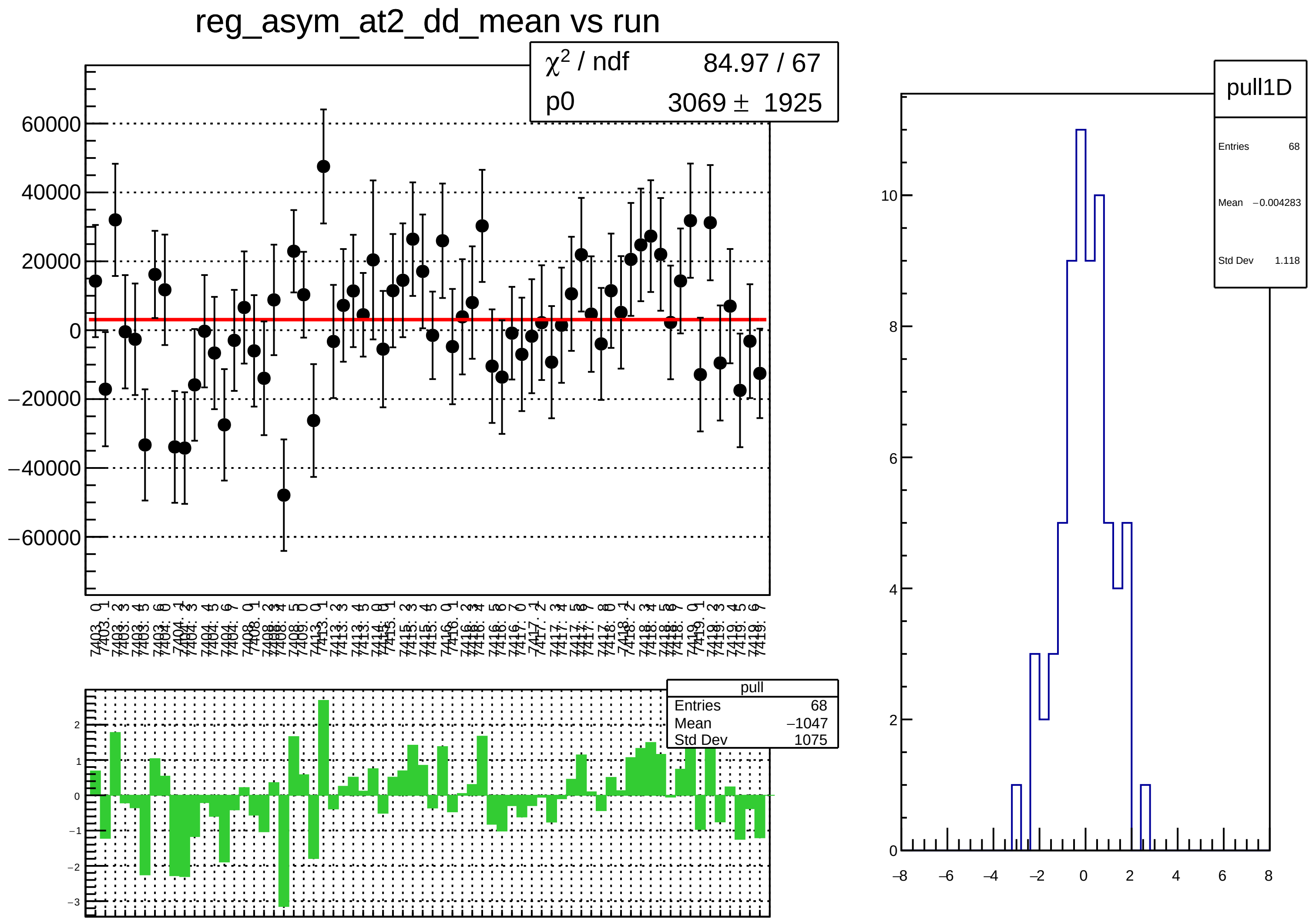


asym_at2_avg_correction_rms vs run
χ2 / ndf 2676 / 67
p0 8441 ± 7.376
10000
9500
9000
8500
8000

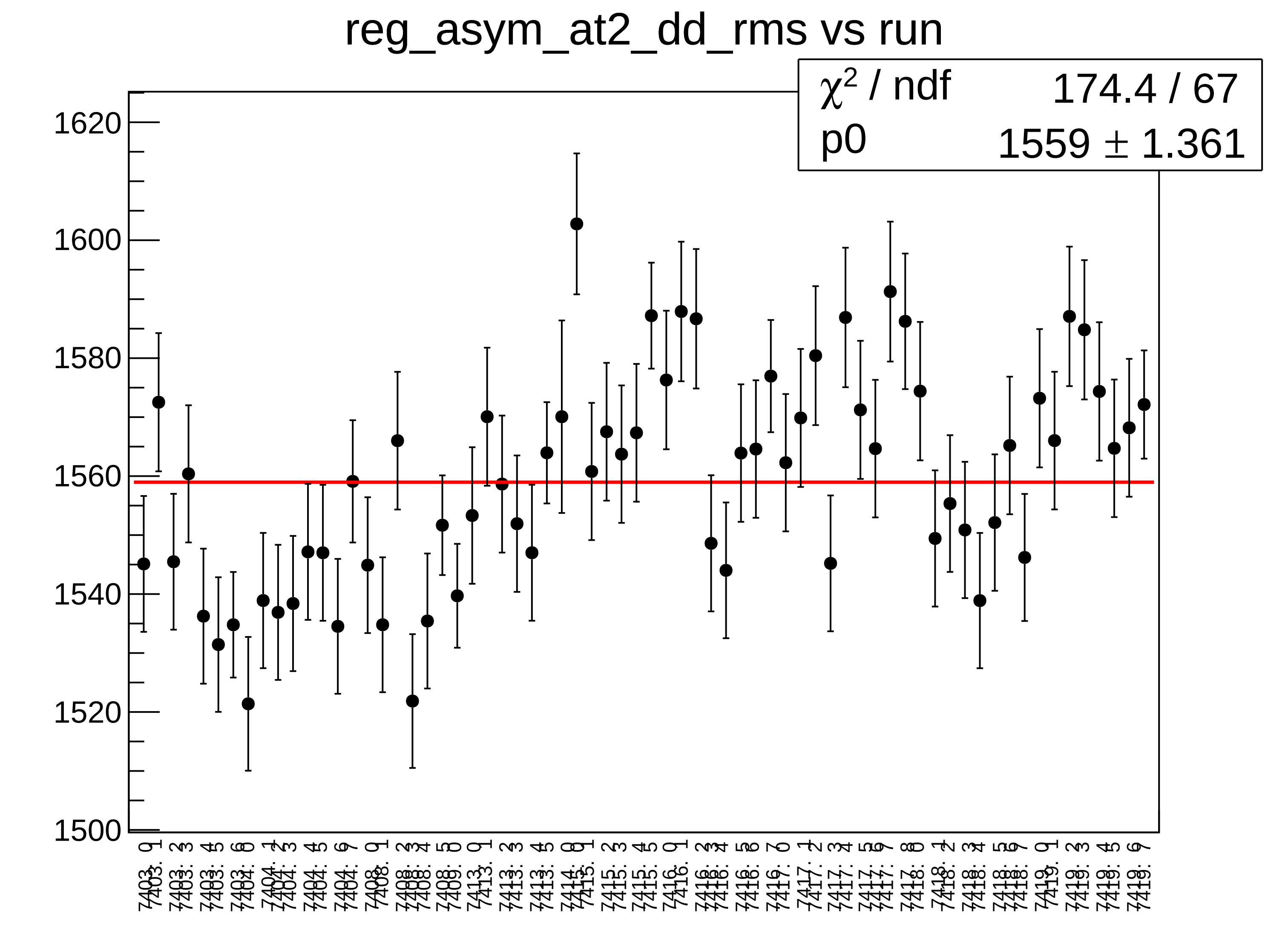


asym_at2_avg_mean vs run
$\times10^3$
χ^2 / ndf 57.72 / 67
p0 −1148 ± 1.063e+04
pull
Entries 68
Mean 126.7
Std Dev 135.8
pull1D
Entries 68
Mean −0.00738
Std Dev 0.9213

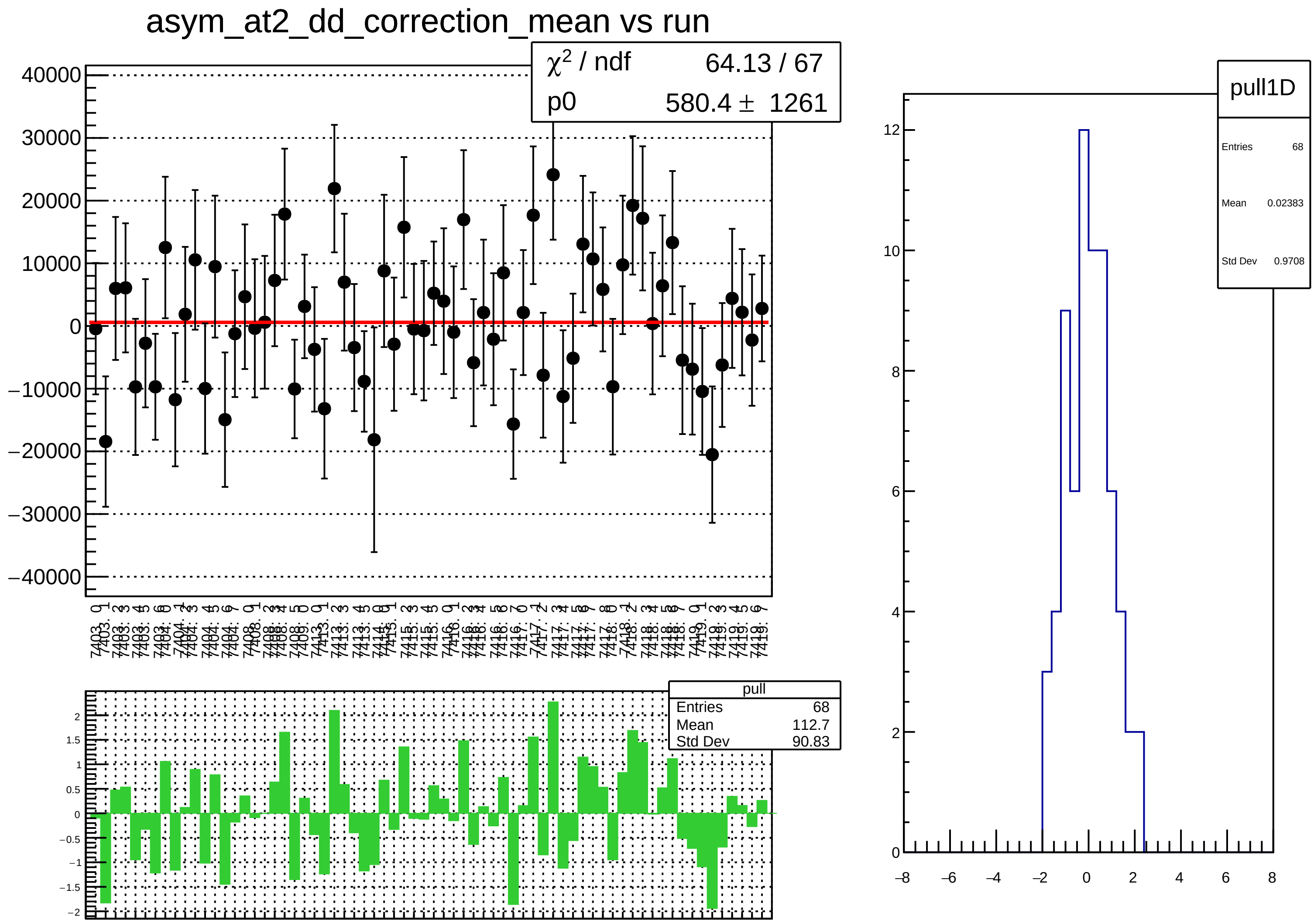

asym_at2_avg_rms vs run
χ^2 / ndf 2495 / 67
p0 8602 ± 7.516
10000
9500
9000
8500
8000



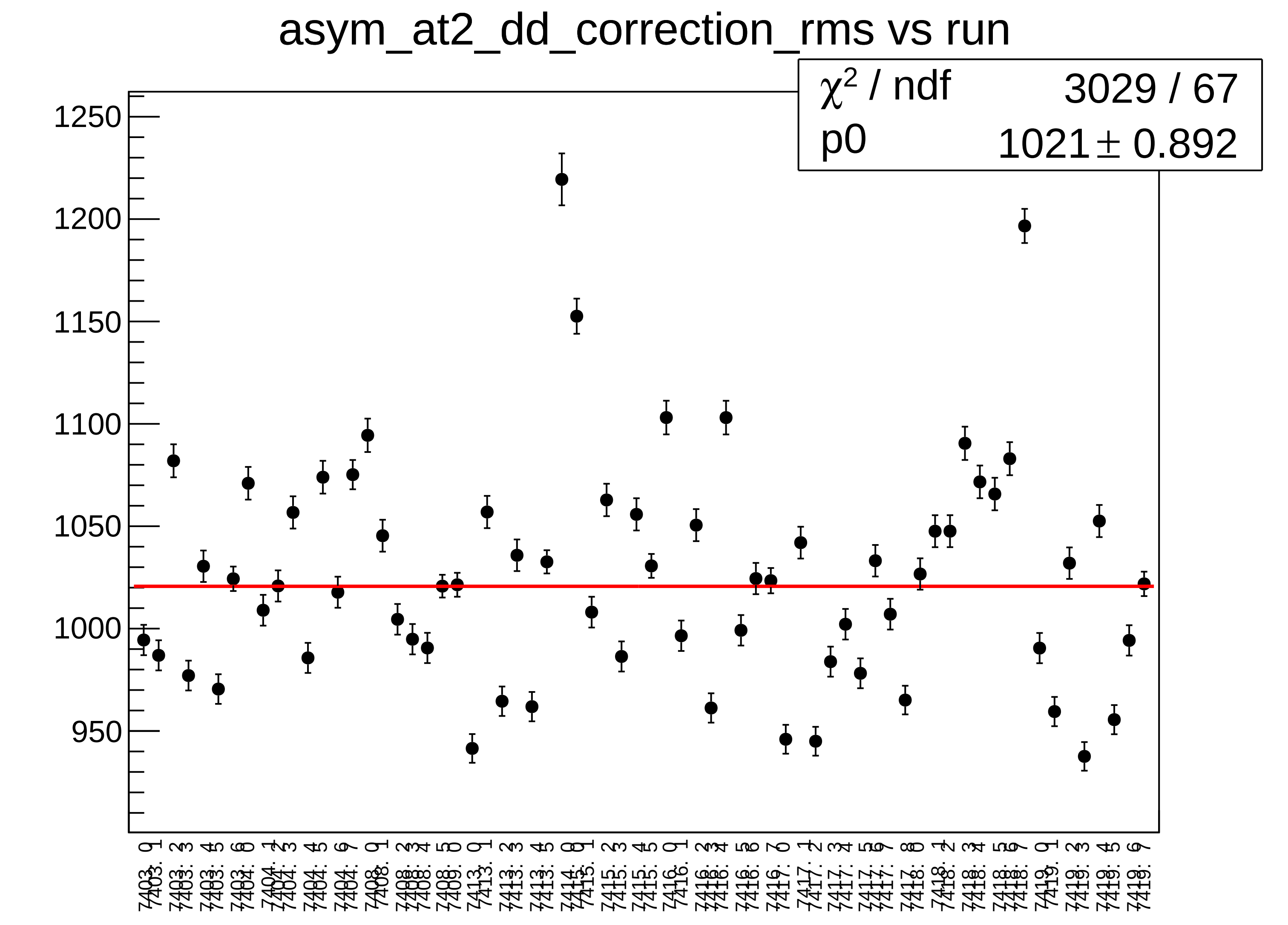
reg_asym_at2_dd_mean vs run
χ2 / ndf 84.97 / 67
p0 3069 ± 1925
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean −1047
Std Dev 1075
pull1D
Entries 68
Mean −0.004283
Std Dev 1.118

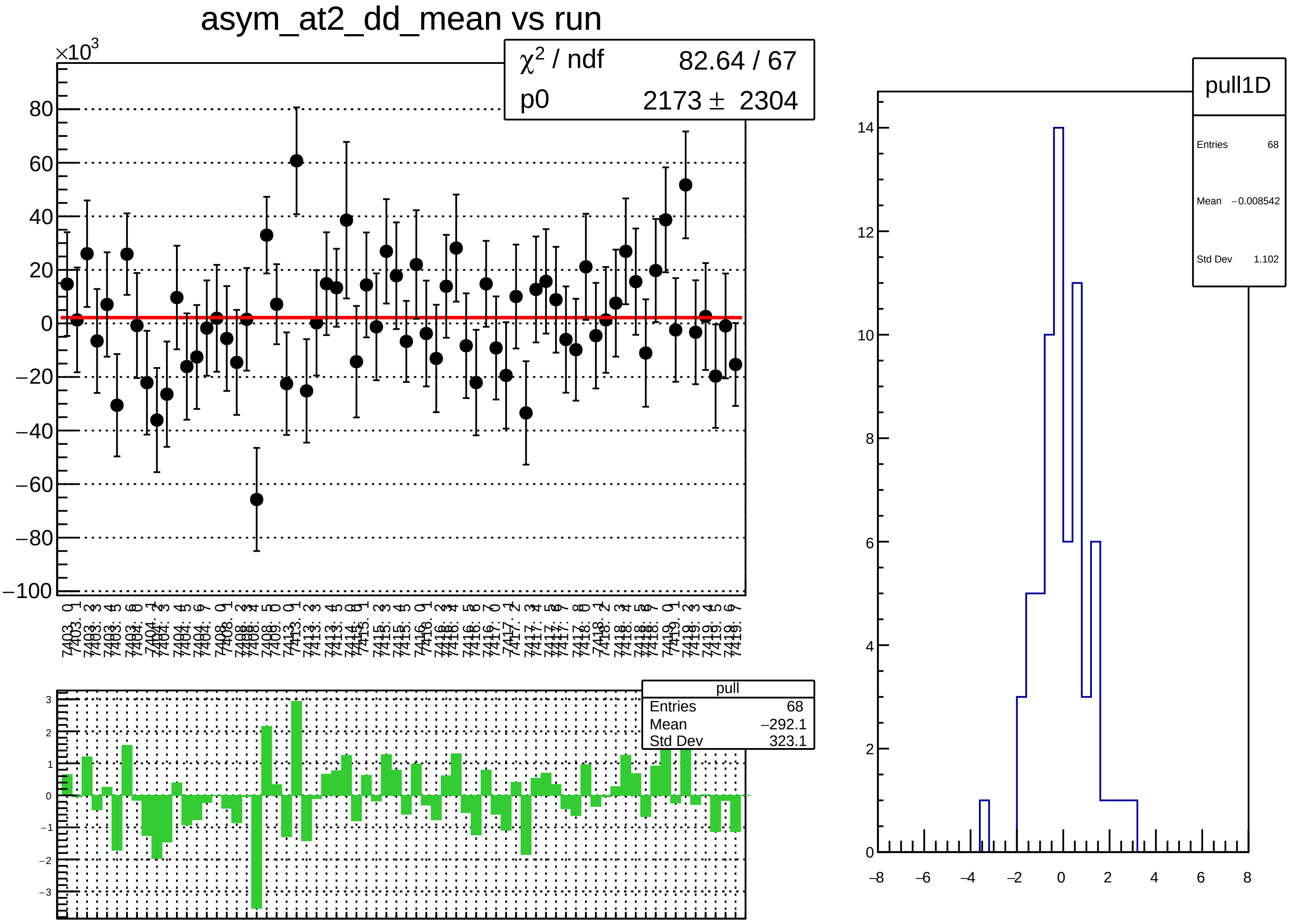


reg_asym_at2_dd_rms vs run
χ^2 / ndf 174.4 / 67
p0 1559 ± 1.361
1620
1600
1580
1560
1540
1520
1500

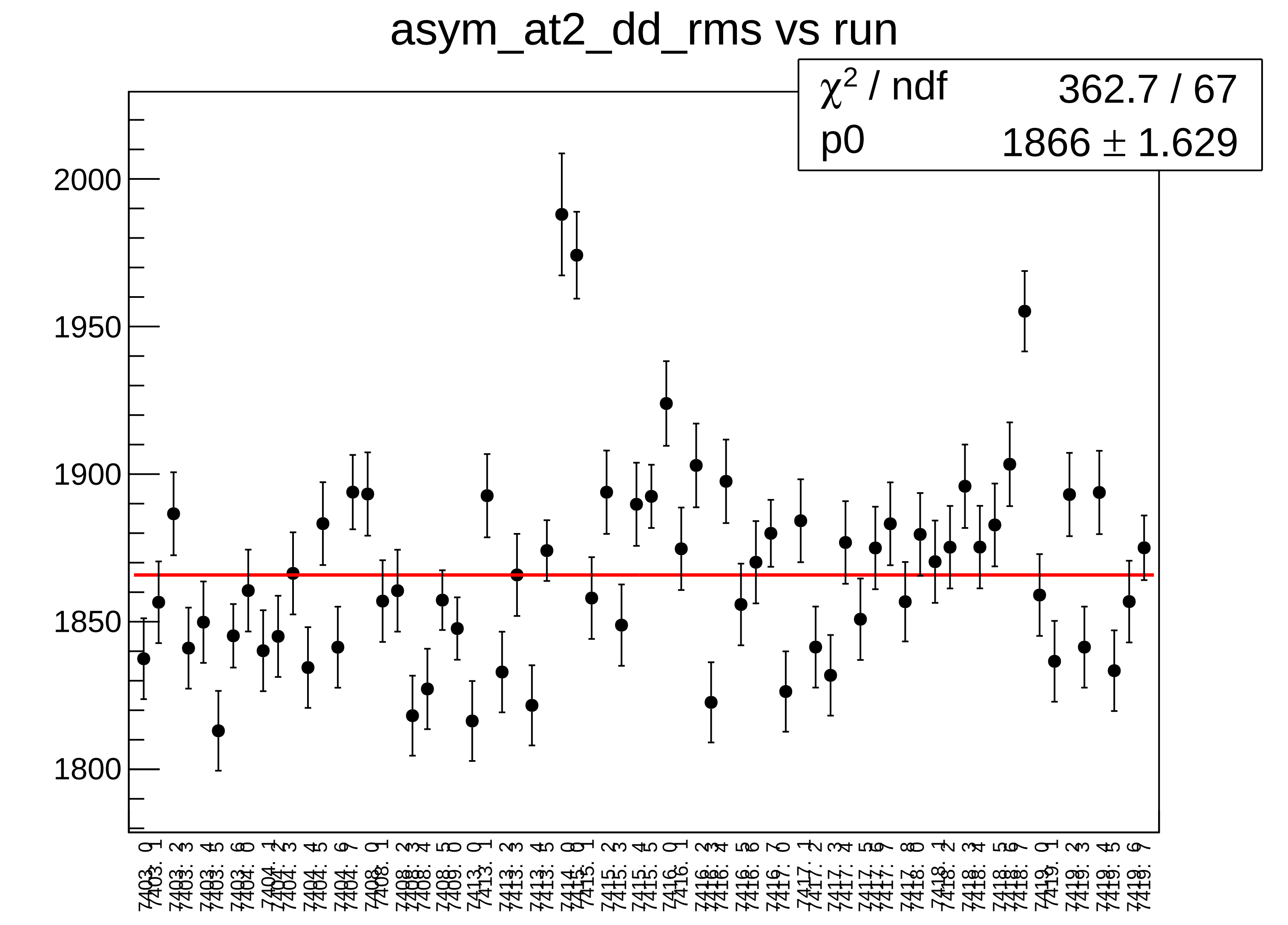


asym_at2_dd_correction_mean vs run
χ2 / ndf 64.13 / 67
p0 580.4 ± 1261
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 68
Mean 112.7
Std Dev 90.83
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean 0.02383
Std Dev 0.9708
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

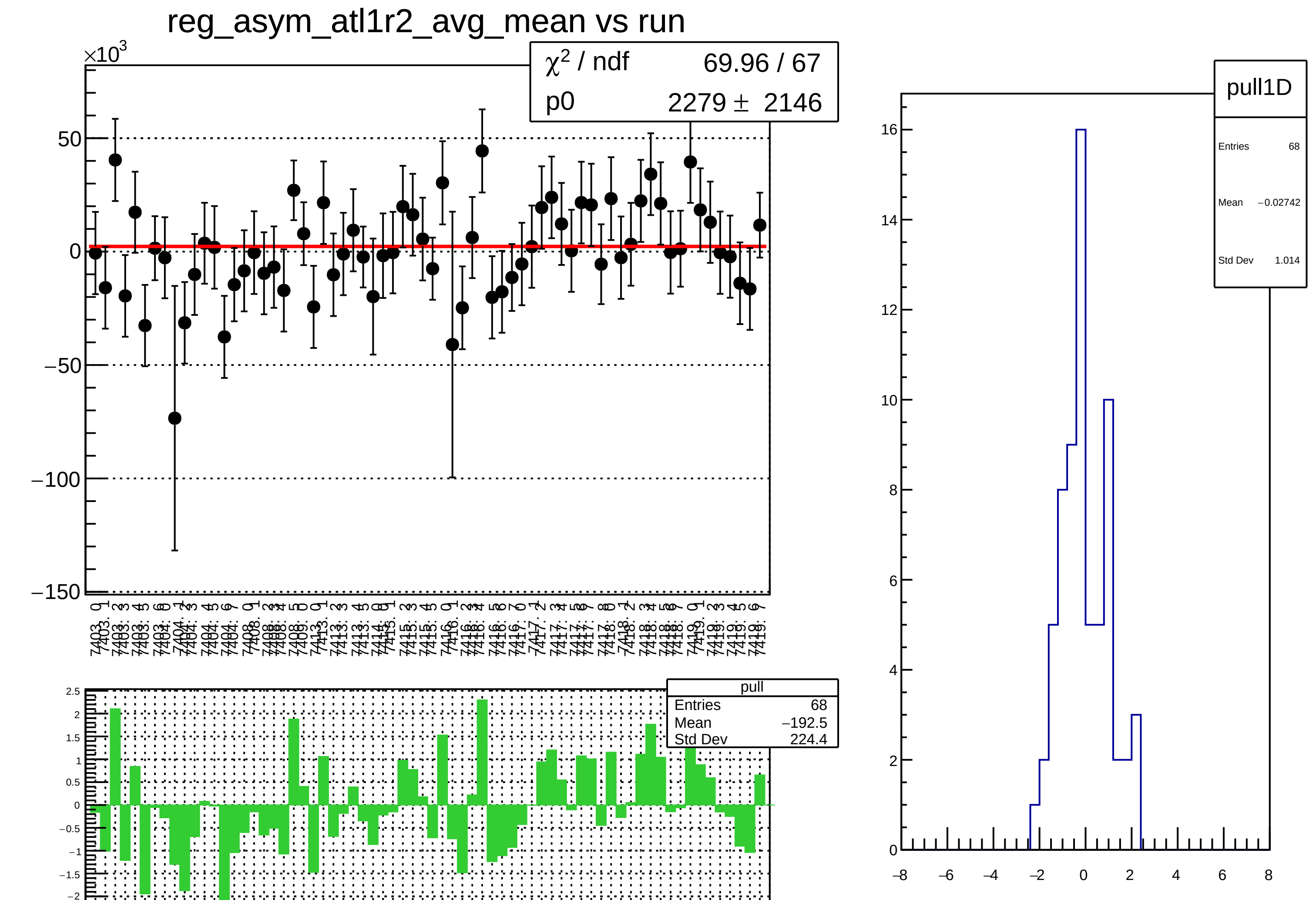

asym_at2_dd_correction_rms vs run
χ2 / ndf 3029 / 67
p0 1021 ± 0.892
1250
1200
1150
1100
1050
1000
950

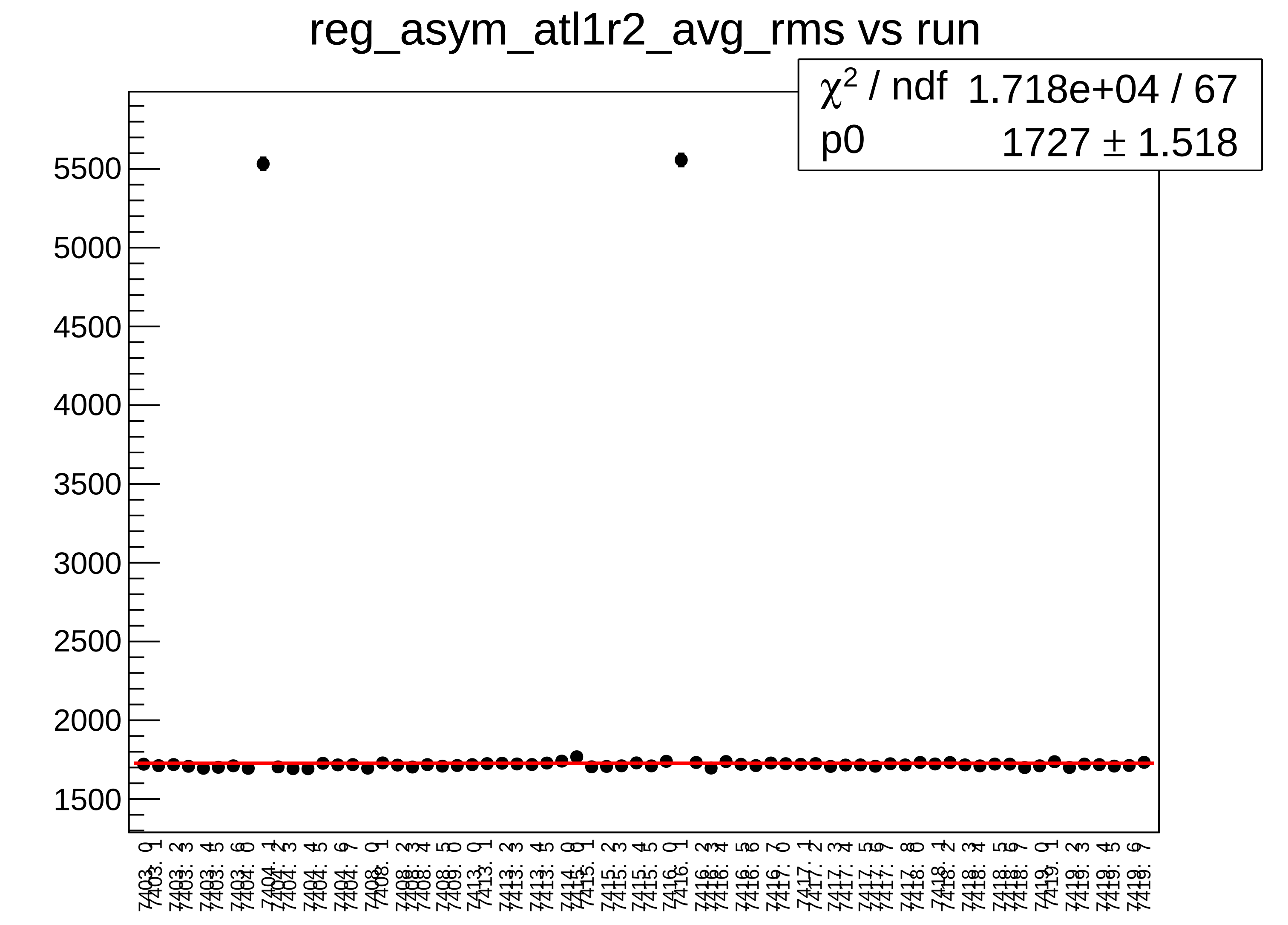


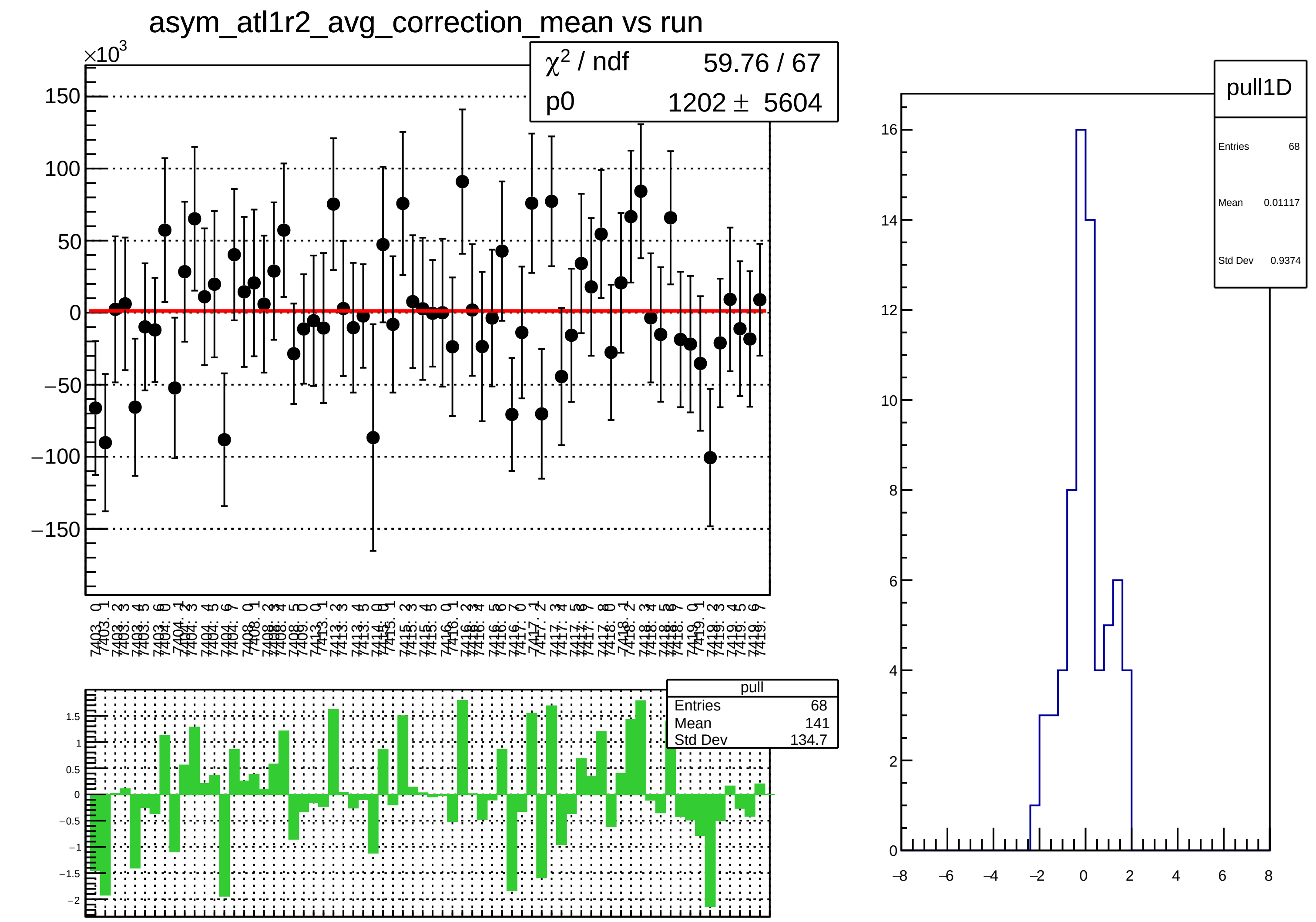
asym_at2_dd_mean vs run
$\times10^3$
χ^2 / ndf 82.64 / 67
p0 2173 ± 2304
pull
Entries 68
Mean −292.1
Std Dev 323.1
pull1D
Entries 68
Mean −0.008542
Std Dev 1.102



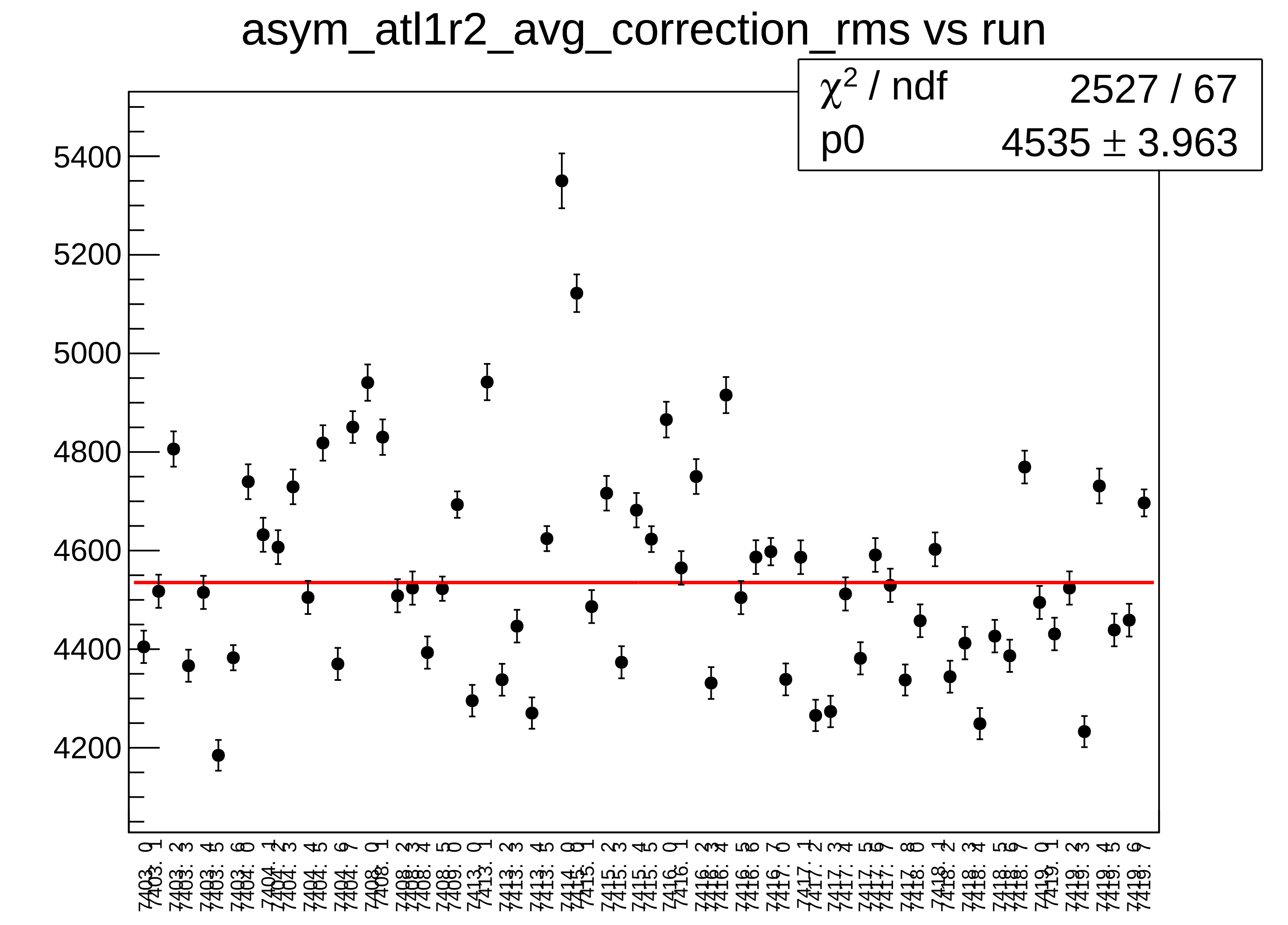
asym_at2_dd_rms vs run
χ2 / ndf 362.7 / 67
p0 1866 ± 1.629
2000
1950
1900
1850
1800

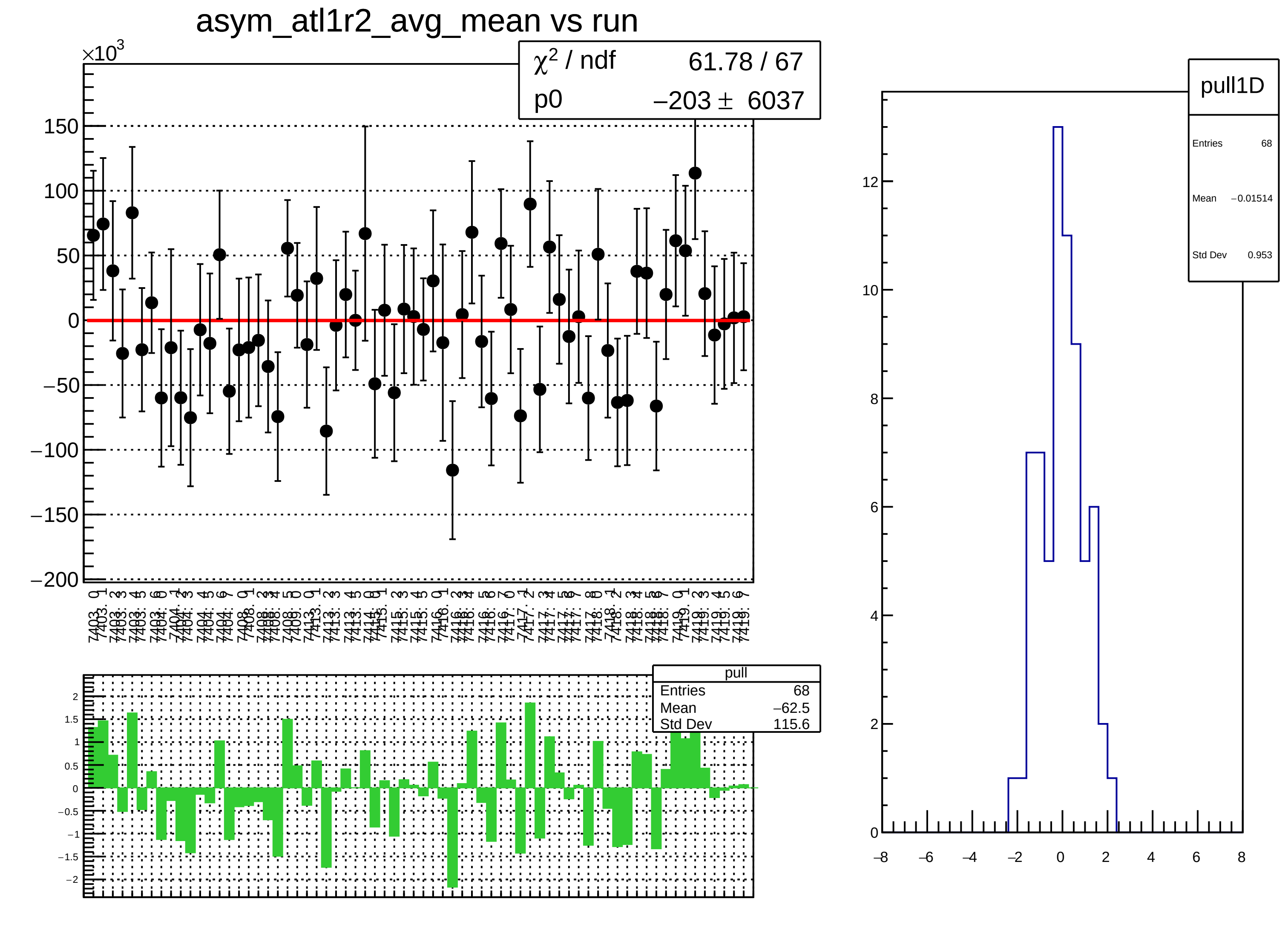

reg_asym_atl1r2_avg_mean vs run
×10^3
χ2 / ndf 69.96 / 67
p0 2279 ± 2146
pull
Entries 68
Mean −192.5
Std Dev 224.4
pull1D
Entries 68
Mean −0.02742
Std Dev 1.014


reg_asym_atl1r2_avg_rms vs run
χ² / ndf 1.718e+04 / 67
p0 1727 ± 1.518
5500
5000
4500
4000
3500
3000
2500
2000
1500

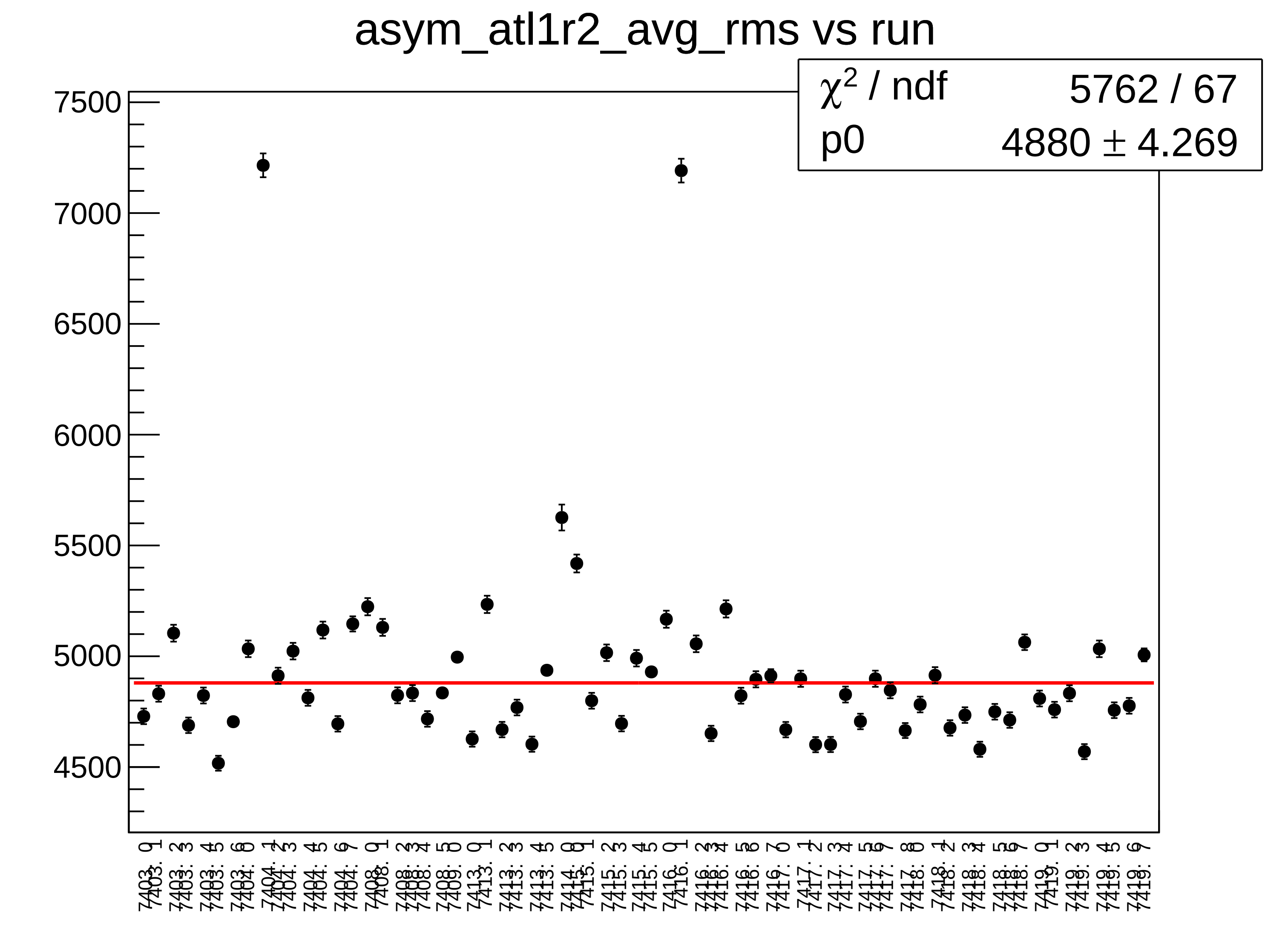


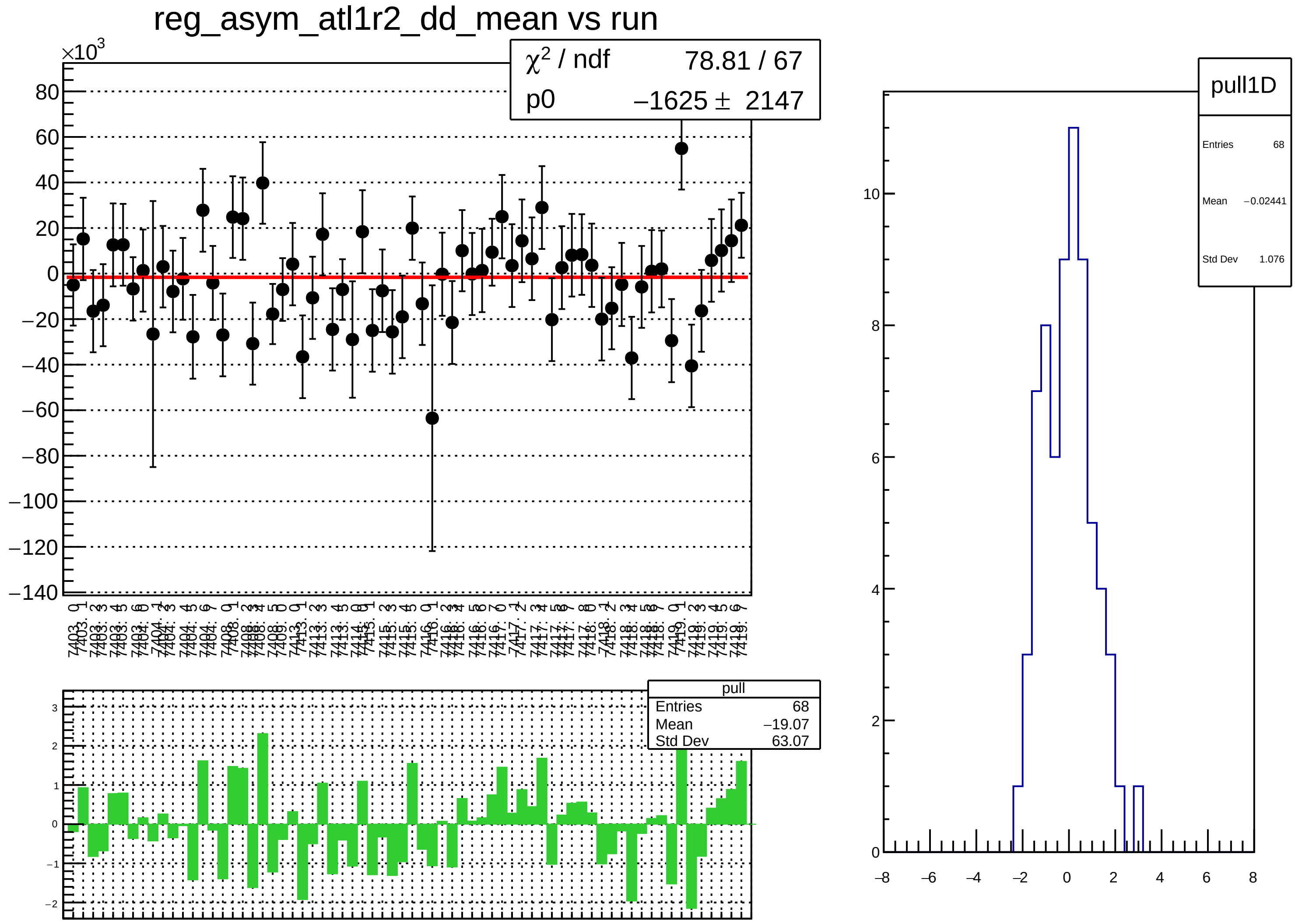
asym_atl1r2_avg_correction_mean vs run
×10^3
χ2 / ndf 59.76 / 67
p0 1202 ± 5604
pull
Entries 68
Mean 141
Std Dev 134.7
pull1D
Entries 68
Mean 0.01117
Std Dev 0.9374

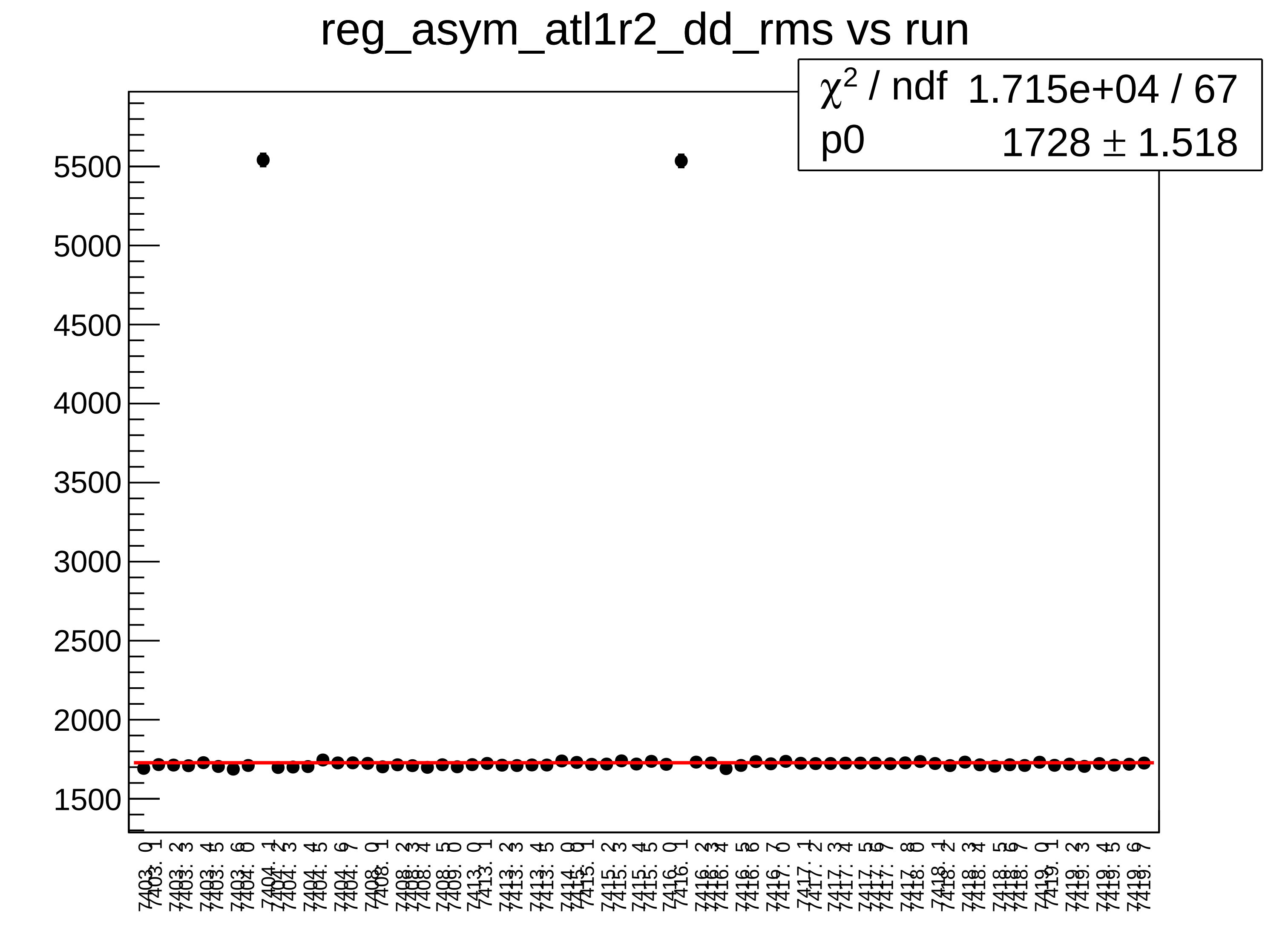

asym_atl1r2_avg_correction_rms vs run
χ^2 / ndf 2527 / 67
p0 4535 ± 3.963

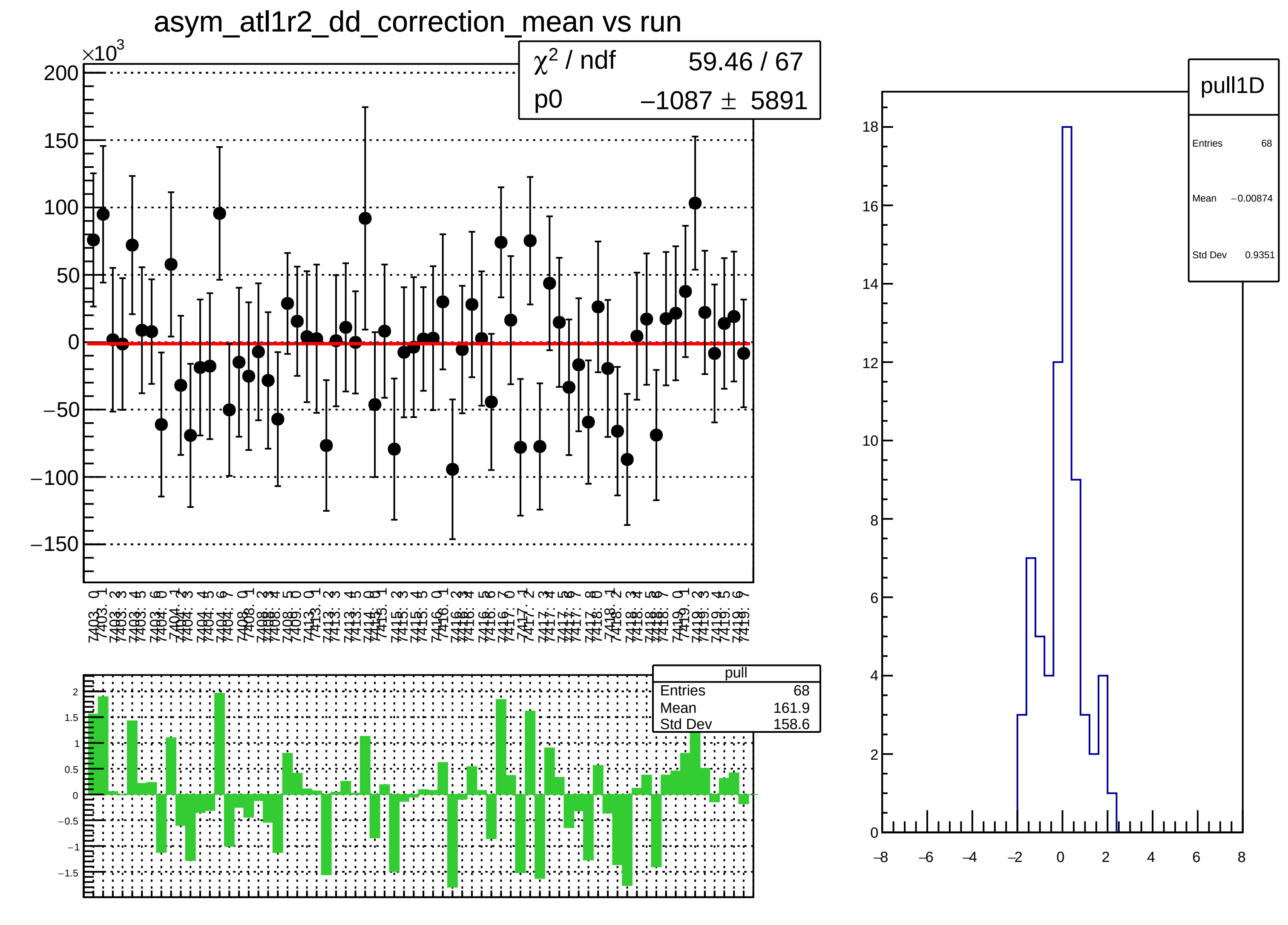


asym_atl1r2_avg_mean vs run
χ^2 / ndf 61.78 / 67
p0 −203 ± 6037
pull
Entries 68
Mean −62.5
Std Dev 115.6
pull1D
Entries 68
Mean −0.01514
Std Dev 0.953

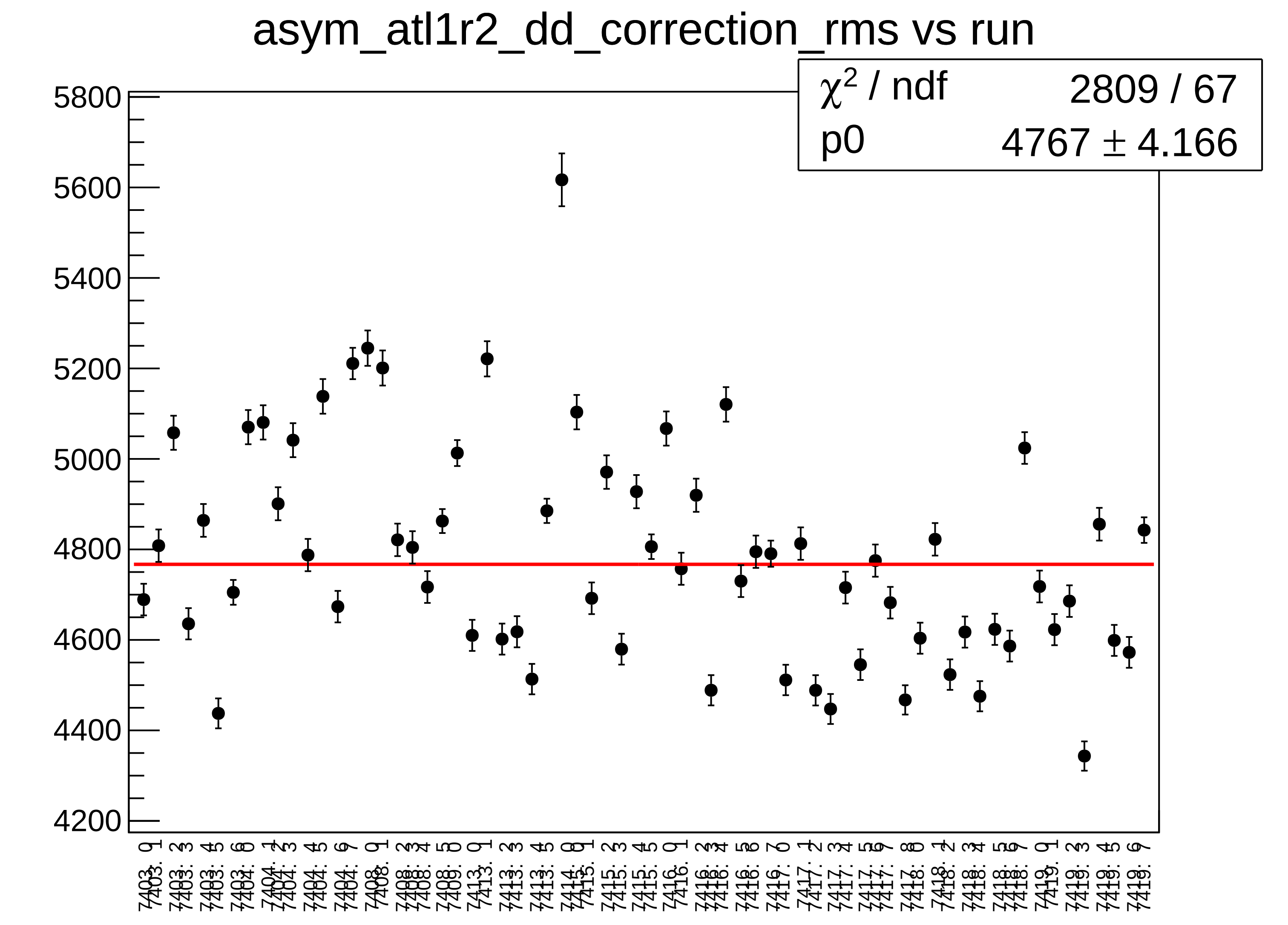

asym_atl1r2_avg_rms vs run
χ2 / ndf 5762 / 67
p0 4880 ± 4.269
7500
7000
6500
6000
5500
5000
4500

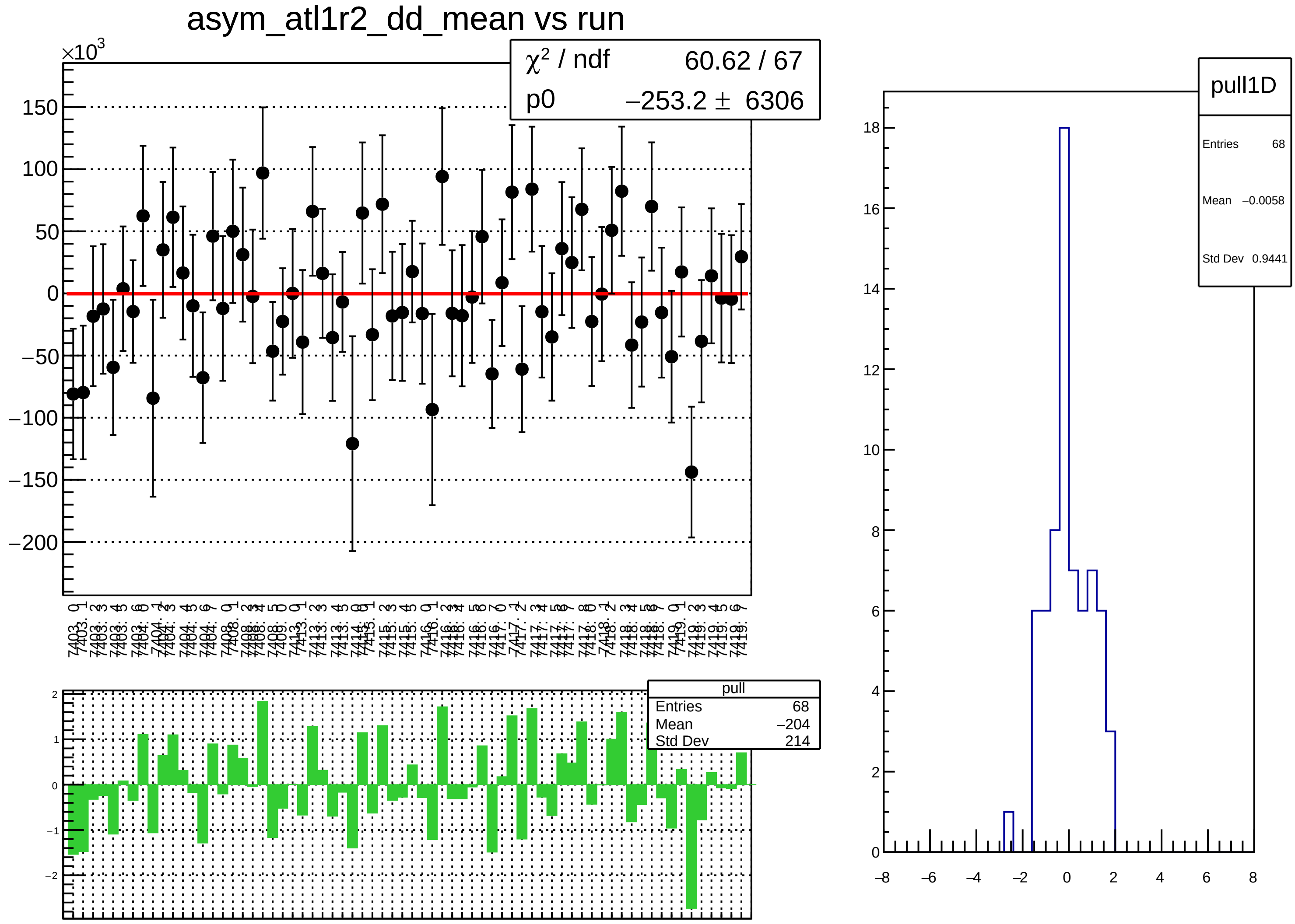

reg_asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 78.81 / 67
p0 −1625 ± 2147
pull
Entries 68
Mean −19.07
Std Dev 63.07
pull1D
Entries 68
Mean −0.02441
Std Dev 1.076


reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 1.715e+04 / 67
p0 1728 ± 1.518

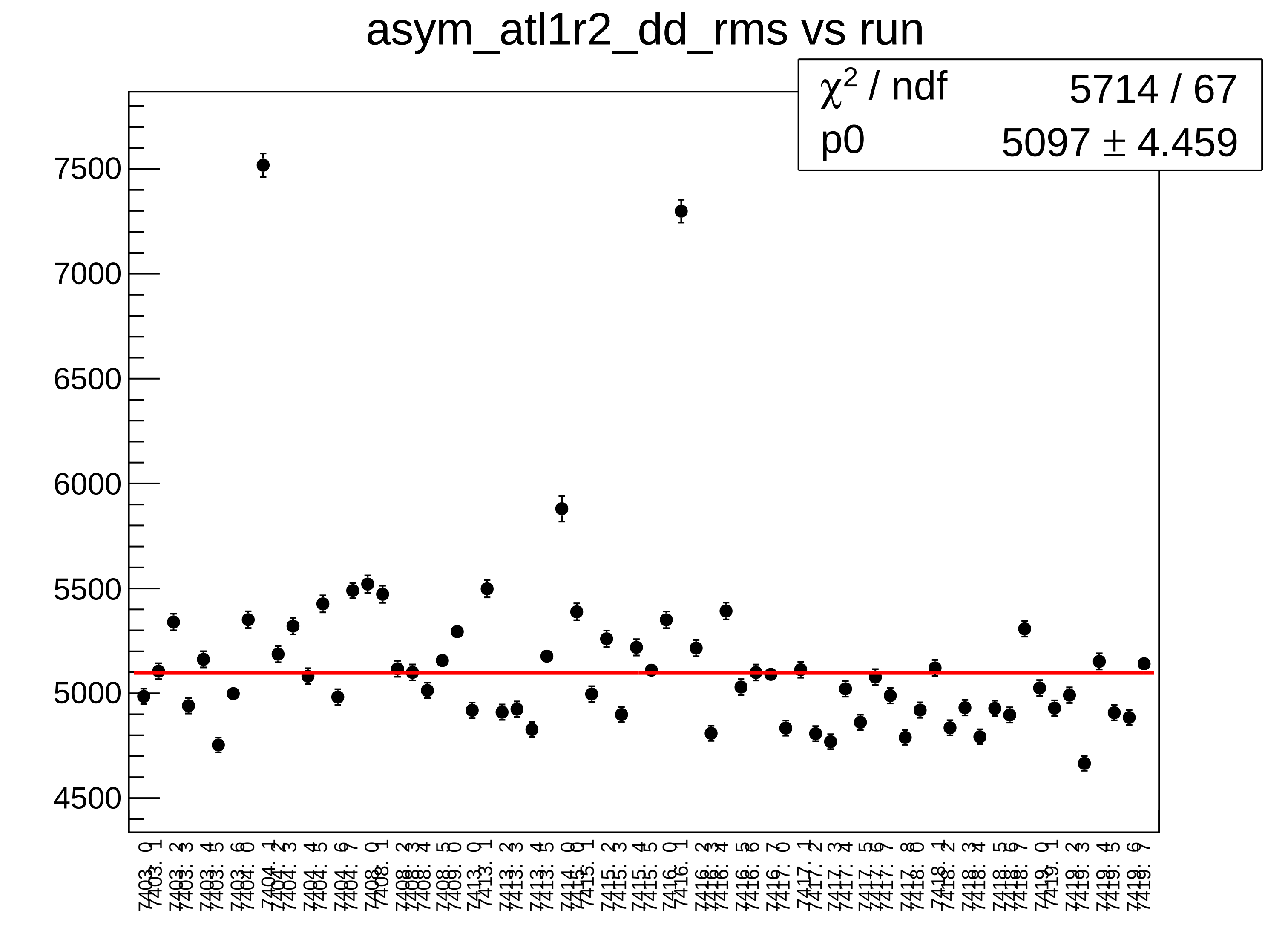


asym_atl1r2_dd_correction_mean vs run
χ^2 / ndf 59.46 / 67
p0 −1087 ± 5891
pull
Entries 68
Mean 161.9
Std Dev 158.6
pull1D
Entries 68
Mean −0.00874
Std Dev 0.9351

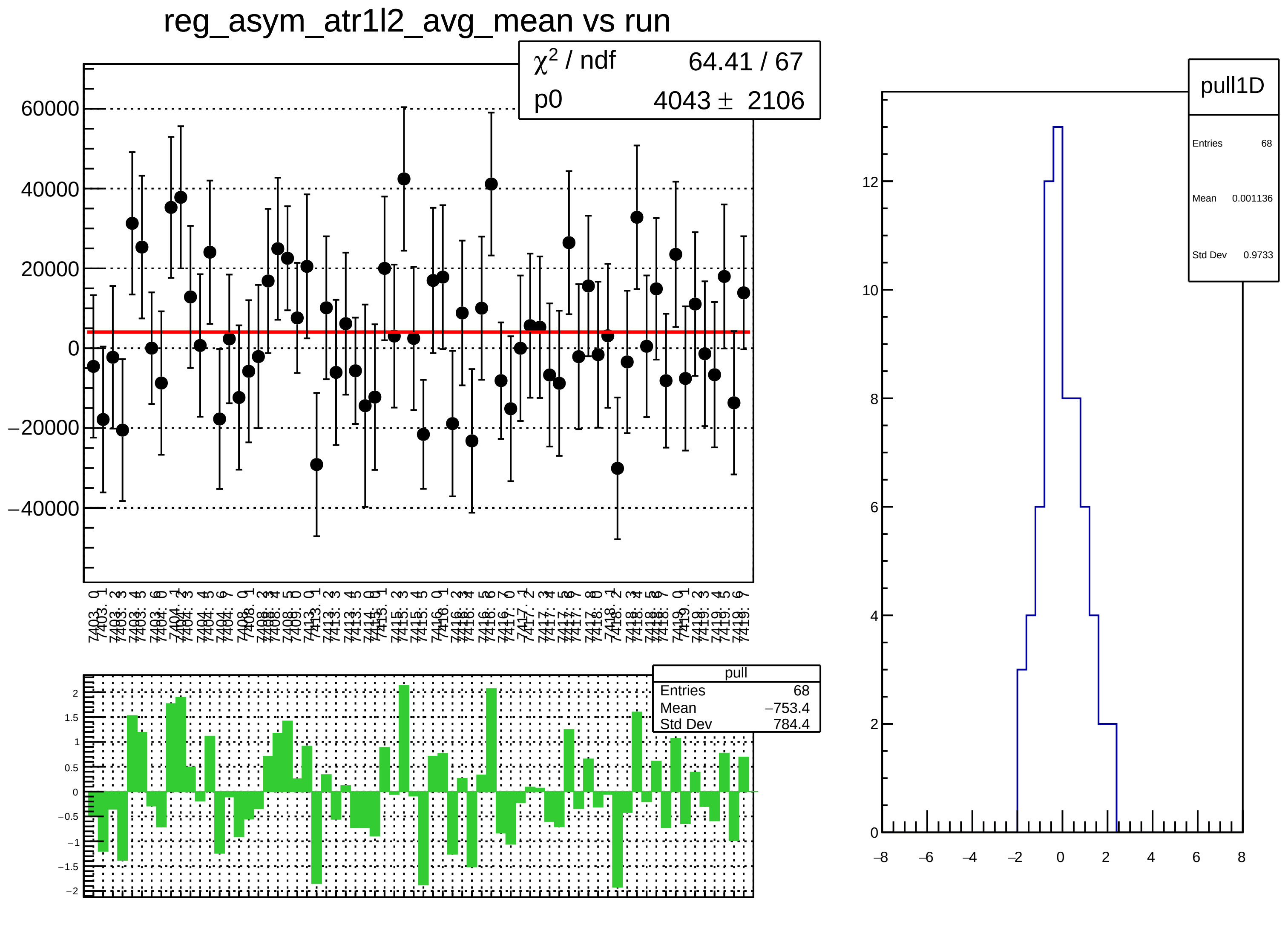

asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 2809 / 67
p0 4767 ± 4.166
5800
5600
5400
5200
5000
4800
4600
4400
4200



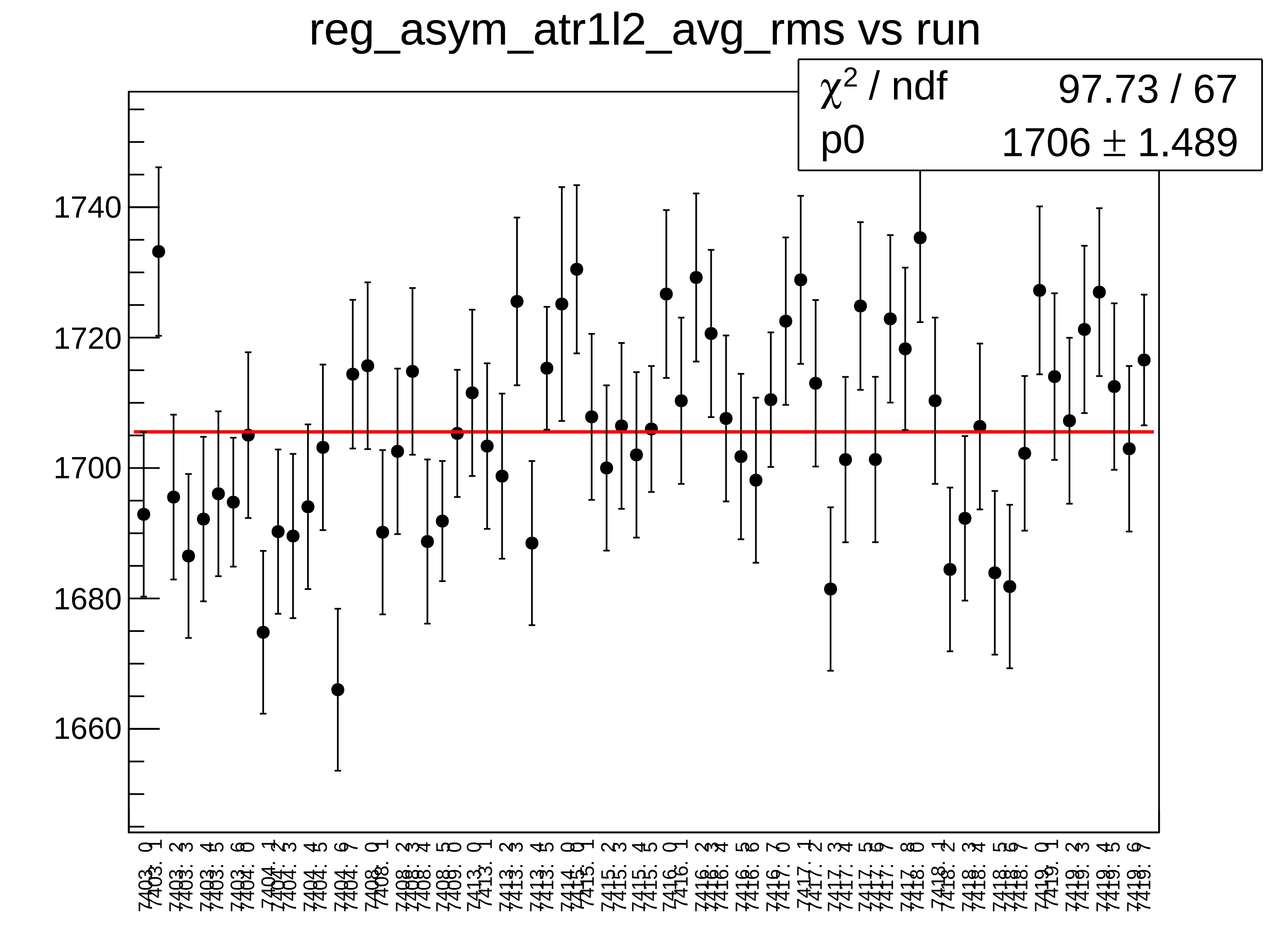
asym_atl1r2_dd_mean vs run
χ² / ndf 60.62 / 67
p0 −253.2 ± 6306
×10³
pull1D
Entries 68
Mean −0.0058
Std Dev 0.9441
pull
Entries 68
Mean −204
Std Dev 214

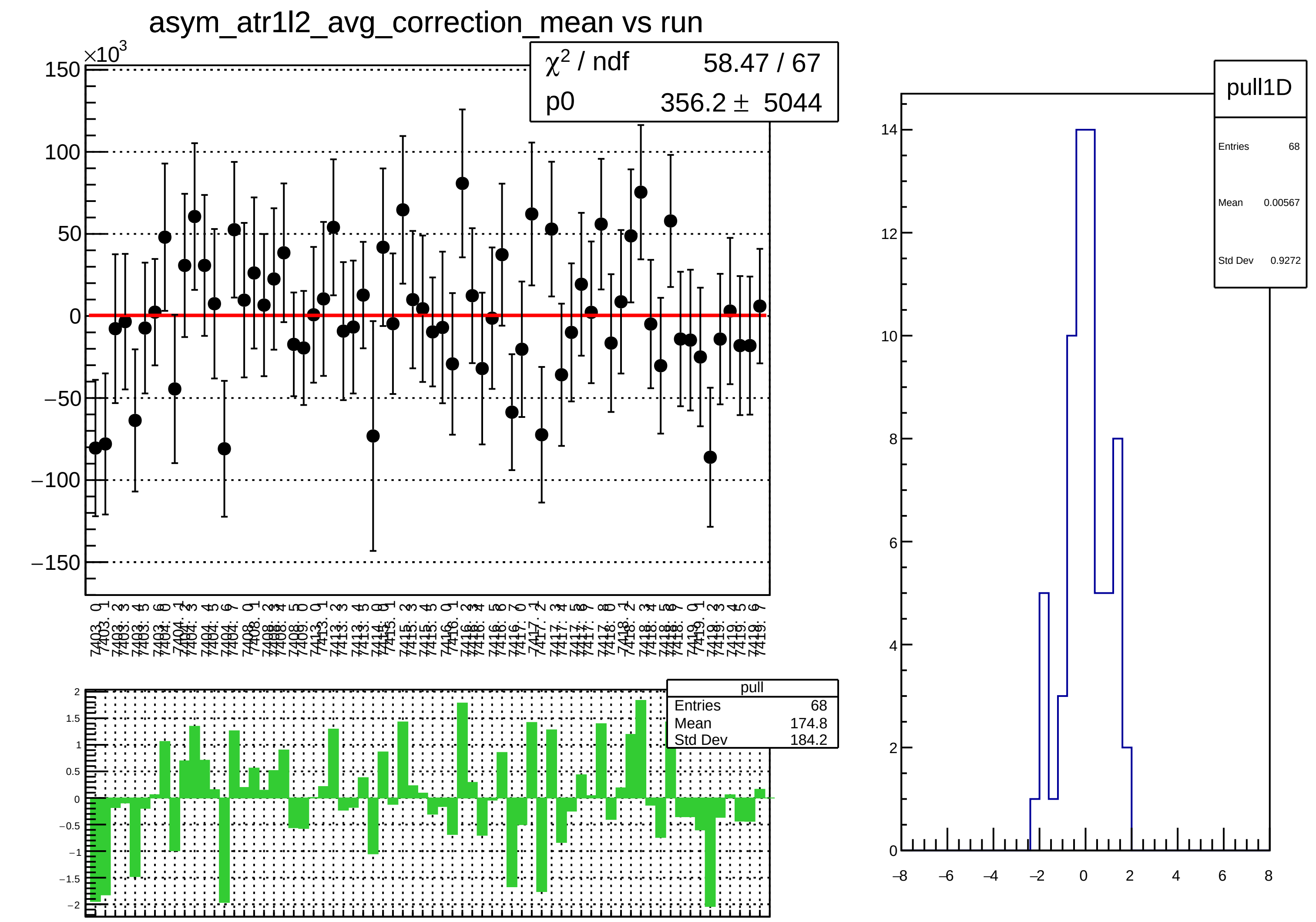


asym_atl1r2_dd_rms vs run
χ^2 / ndf 5714 / 67
p0 5097 ± 4.459
7500
7000
6500
6000
5500
5000
4500

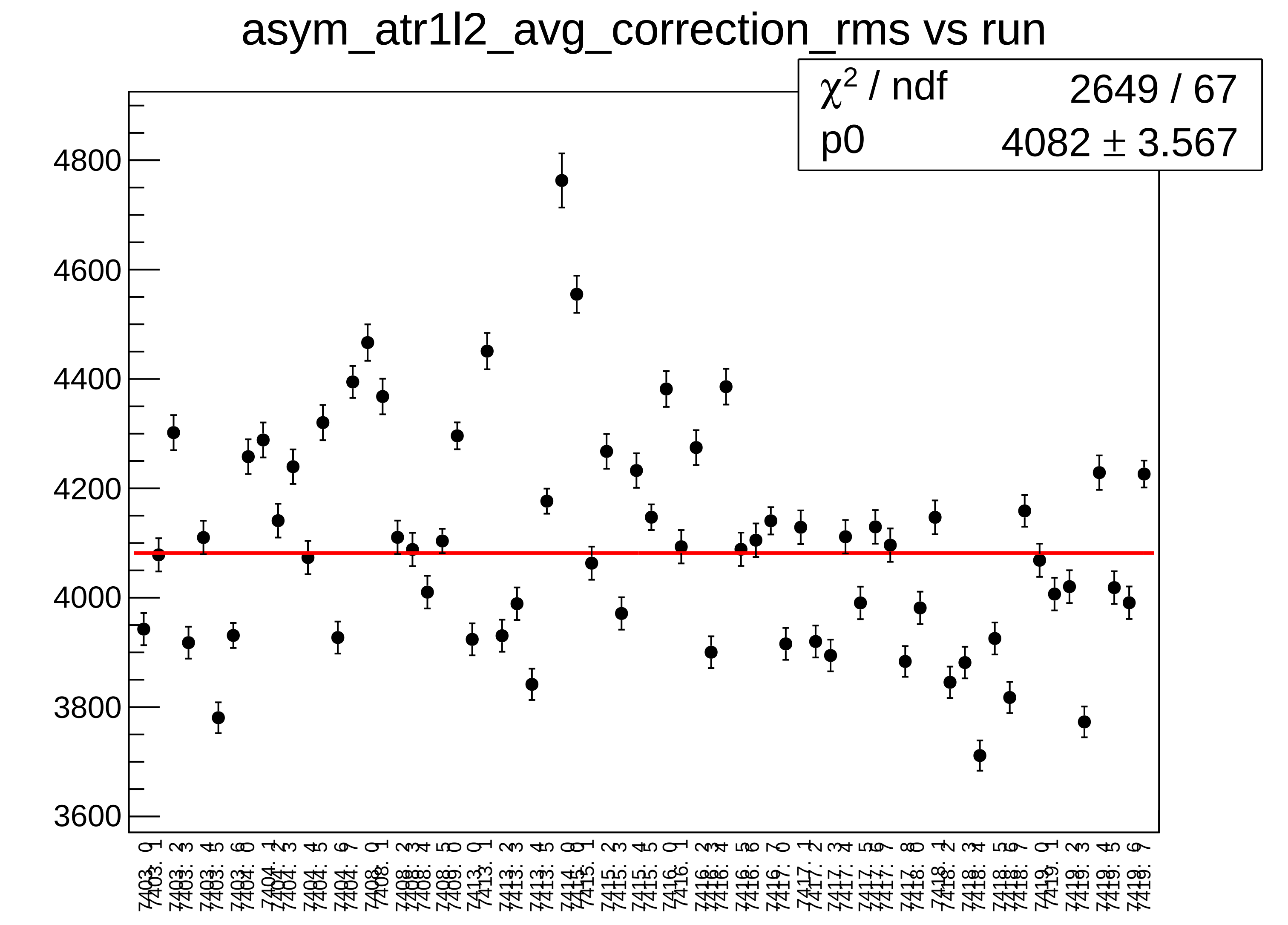


reg_asym_atr1l2_avg_mean vs run
χ^2 / ndf 64.41 / 67
p0 4043 ± 2106
pull
Entries 68
Mean −753.4
Std Dev 784.4
pull1D
Entries 68
Mean 0.001136
Std Dev 0.9733

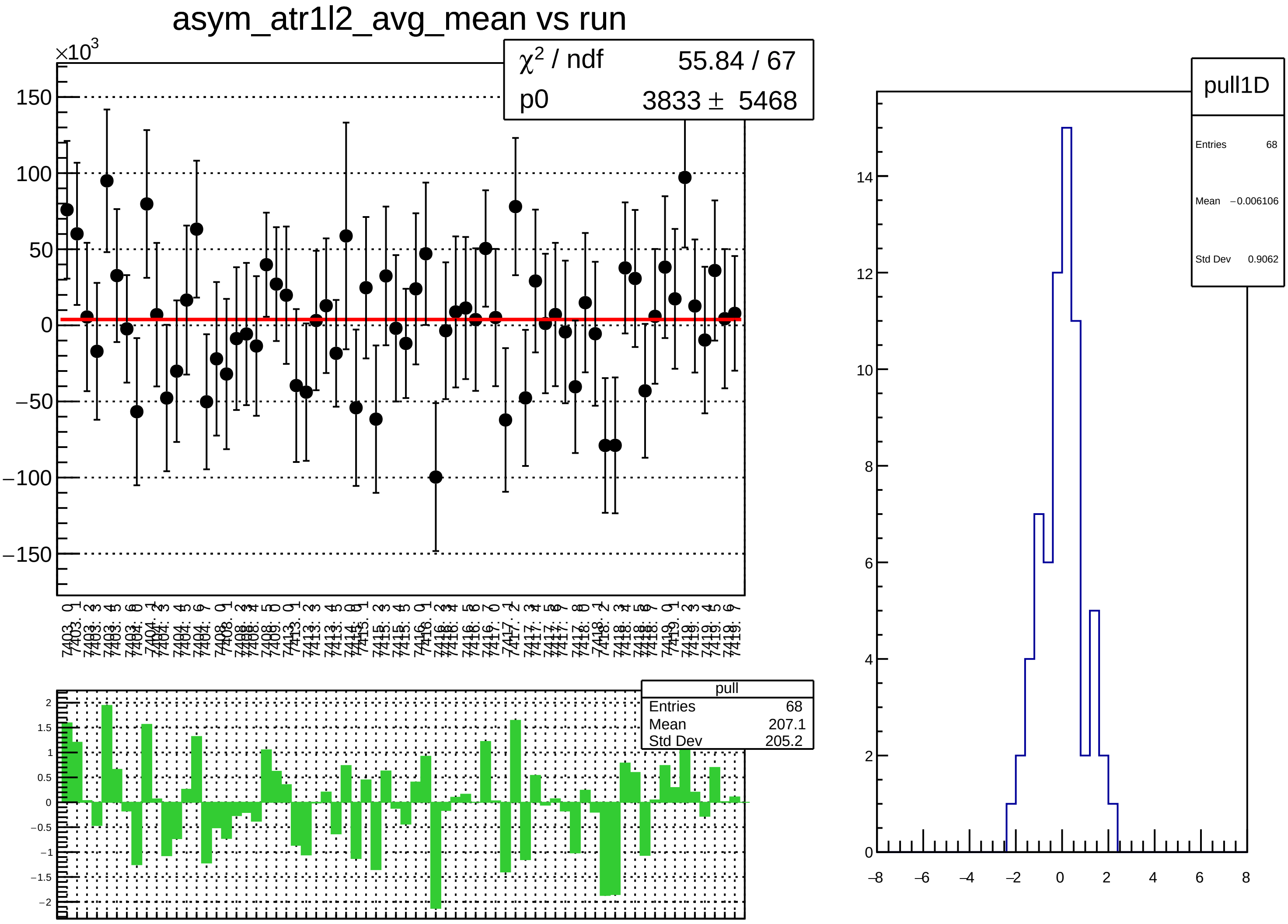

reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 97.73 / 67
p0 1706 ± 1.489
1740
1720
1700
1680
1660



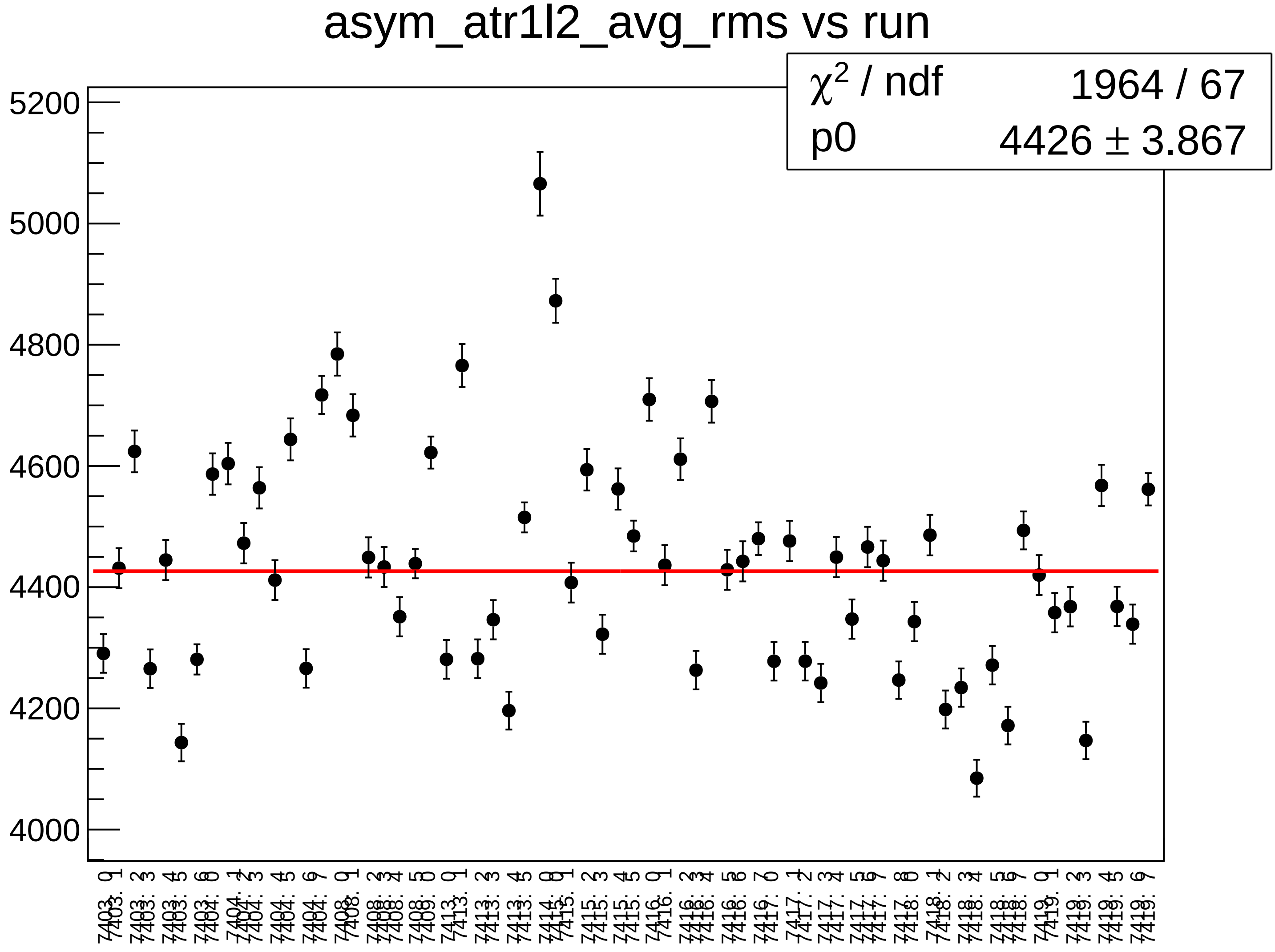
asym_atr1l2_avg_correction_mean vs run
χ^2 / ndf 58.47 / 67
p0 356.2 ± 5044
pull
Entries 68
Mean 174.8
Std Dev 184.2
pull1D
Entries 68
Mean 0.00567
Std Dev 0.9272



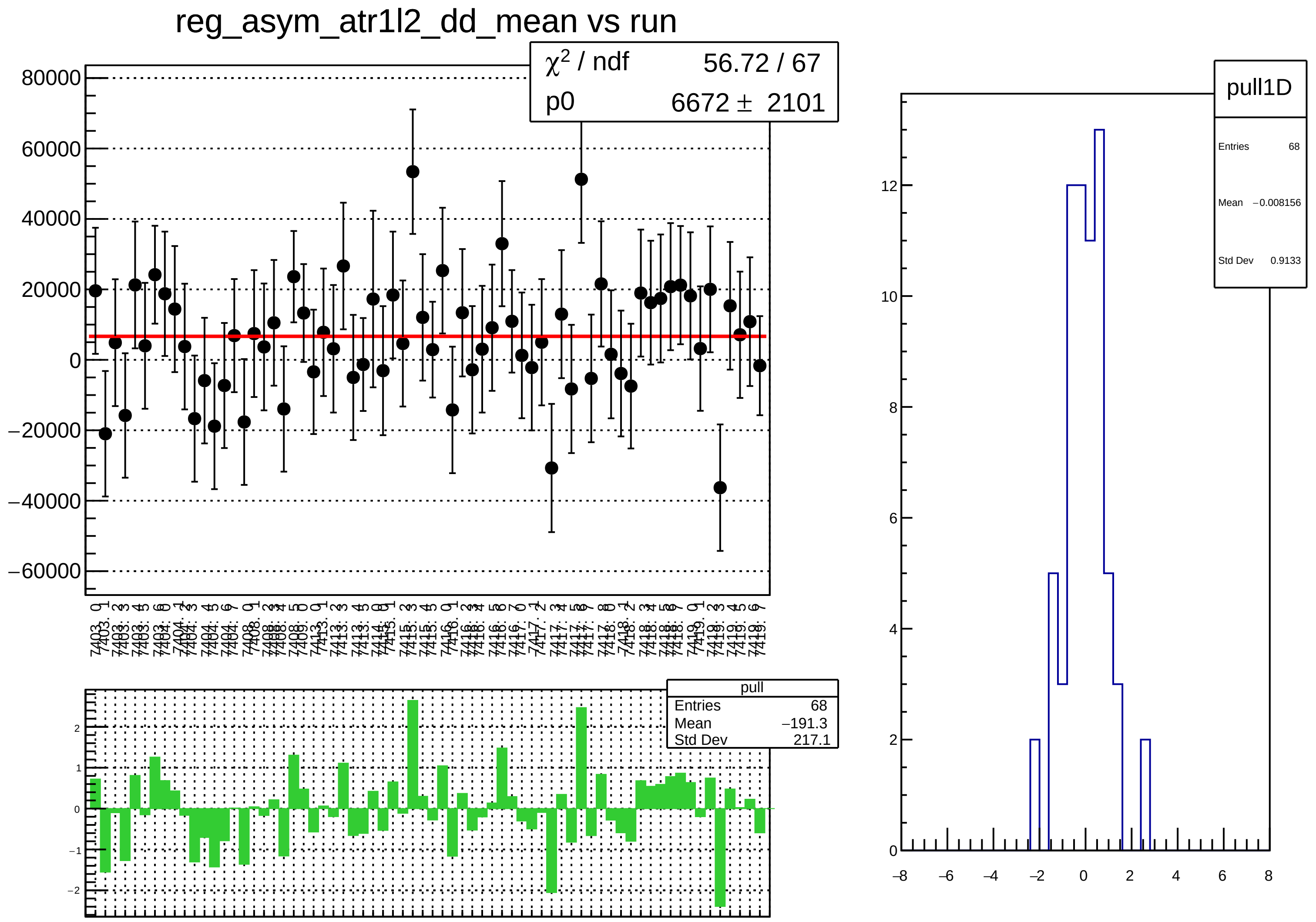
asym_atr1l2_avg_correction_rms vs run
χ^2 / ndf 2649 / 67
p0 4082 ± 3.567
4800
4600
4400
4200
4000
3800
3600



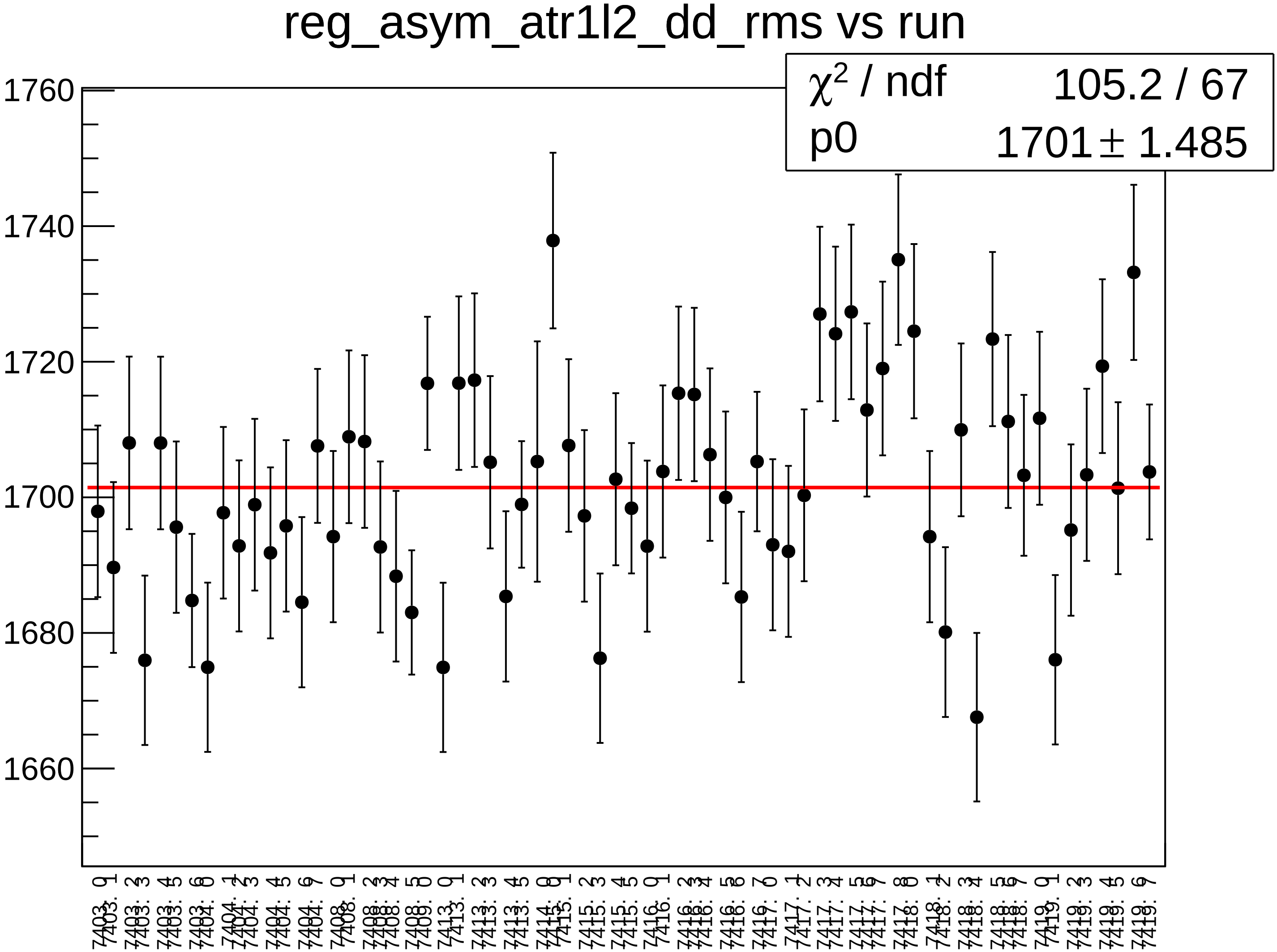
asym_atr1l2_avg_mean vs run
$\times10^3$
χ^2 / ndf 55.84 / 67
p0 3833 ± 5468
pull
Entries 68
Mean 207.1
Std Dev 205.2
pull1D
Entries 68
Mean −0.006106
Std Dev 0.9062

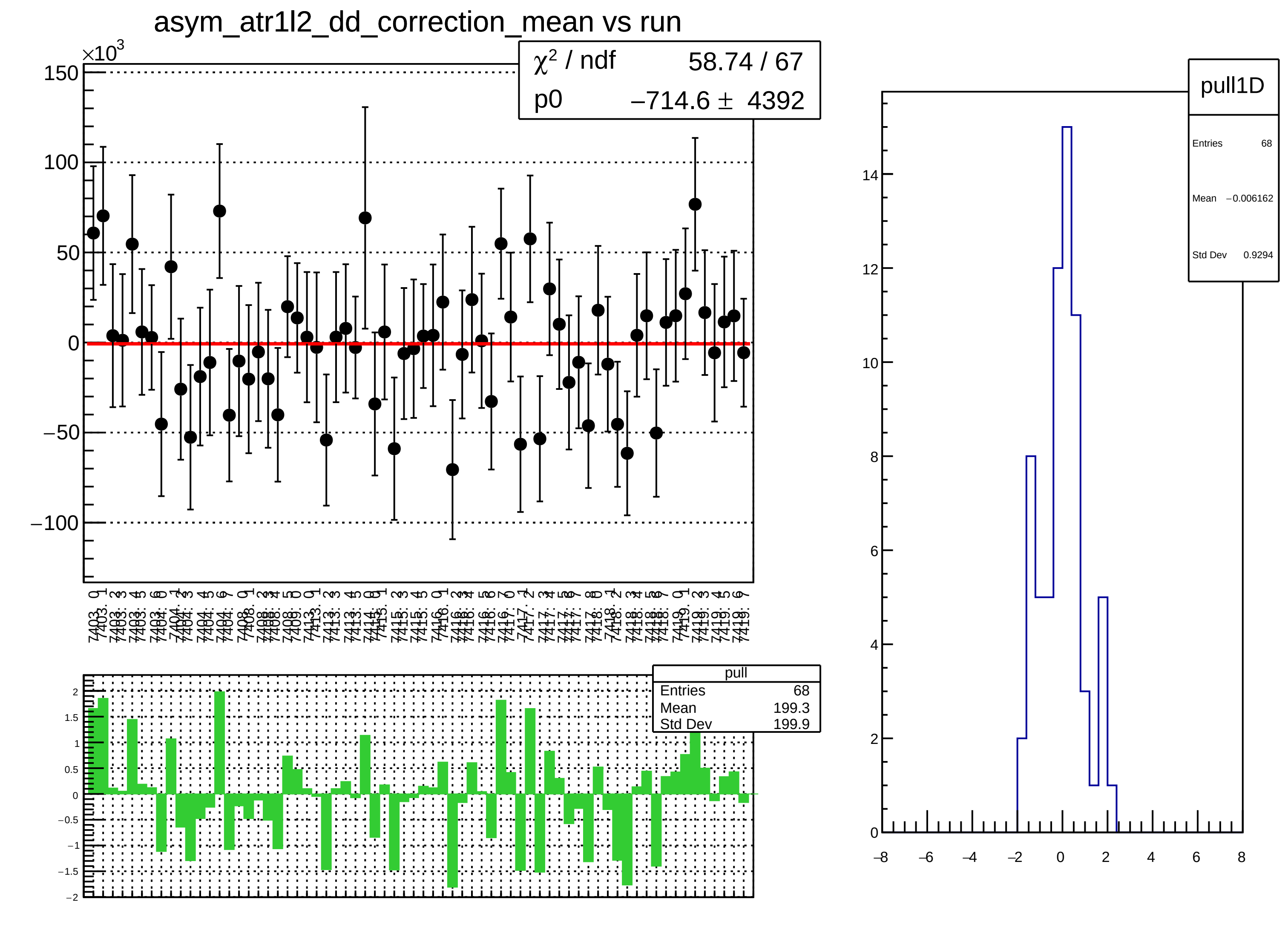


asym_atr1l2_avg_rms vs run
χ^2 / ndf 1964 / 67
p0 4426 ± 3.867
5200
5000
4800
4600
4400
4200
4000

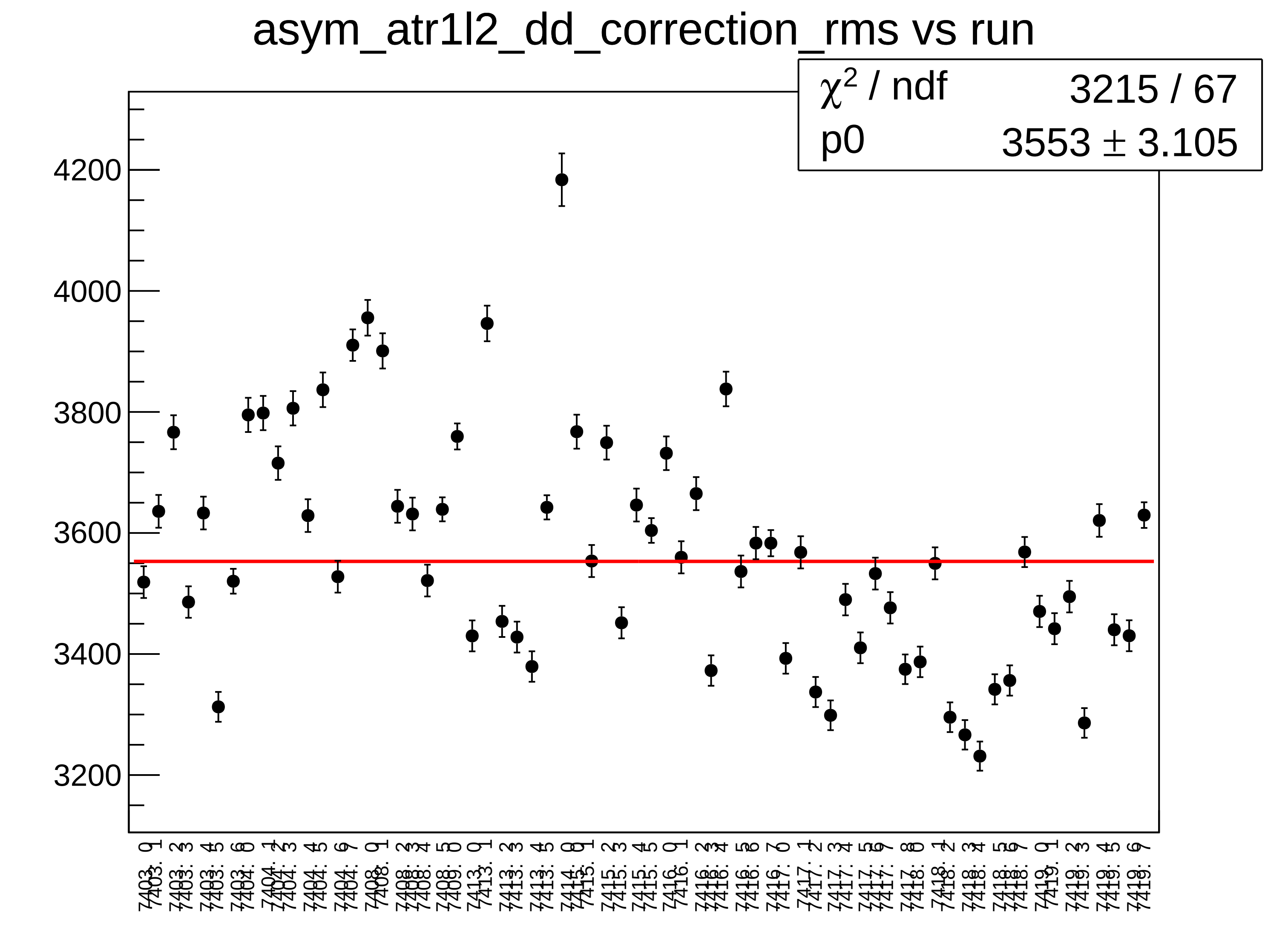


reg_asym_atr1l2_dd_mean vs run
χ^2 / ndf 56.72 / 67
p0 6672 ± 2101
pull
Entries 68
Mean −191.3
Std Dev 217.1
pull1D
Entries 68
Mean −0.008156
Std Dev 0.9133

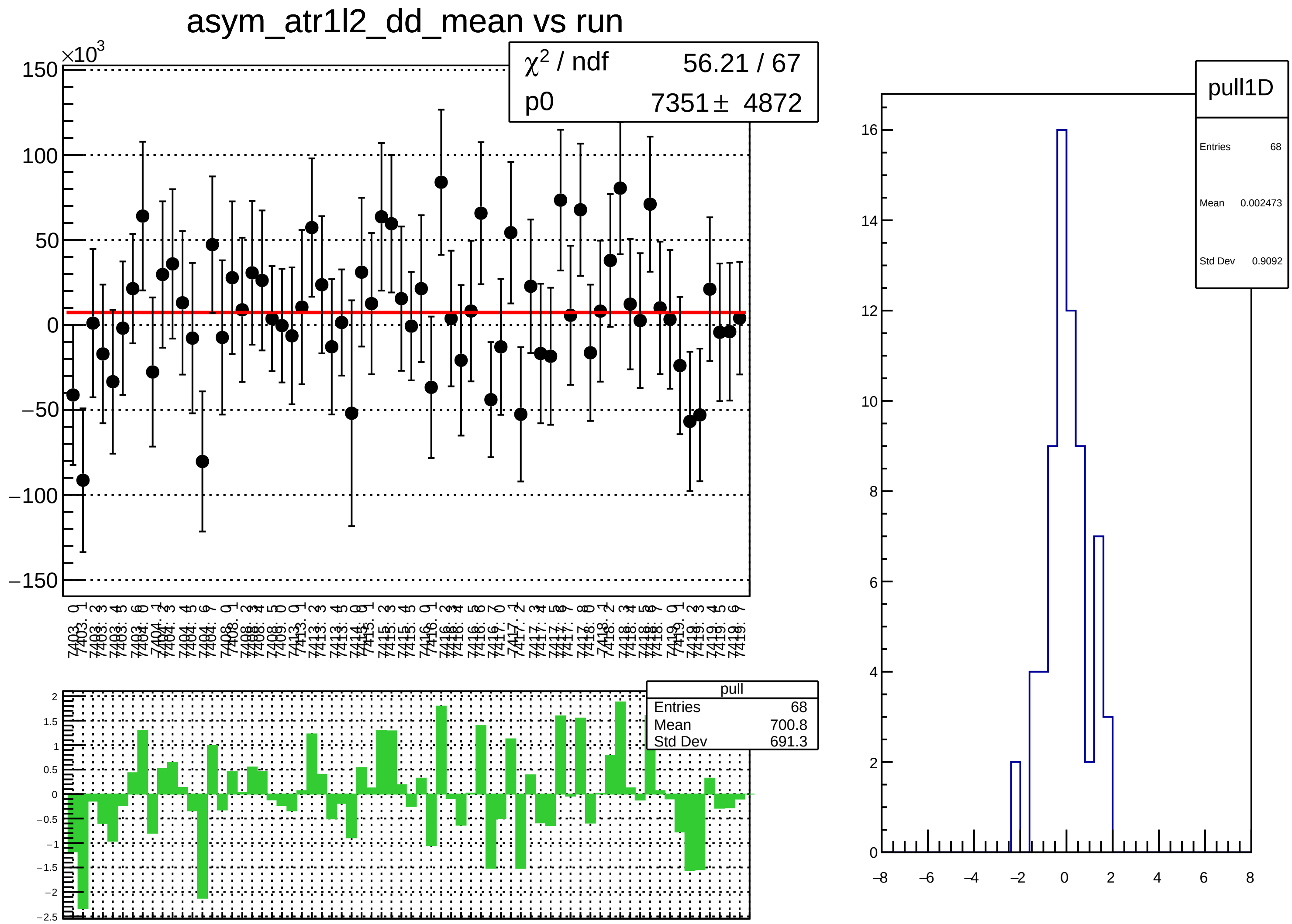

reg_asym_atr1l2_dd_rms vs run
χ2 / ndf 105.2 / 67
p0 1701 ± 1.485
1760
1740
1720
1700
1680
1660



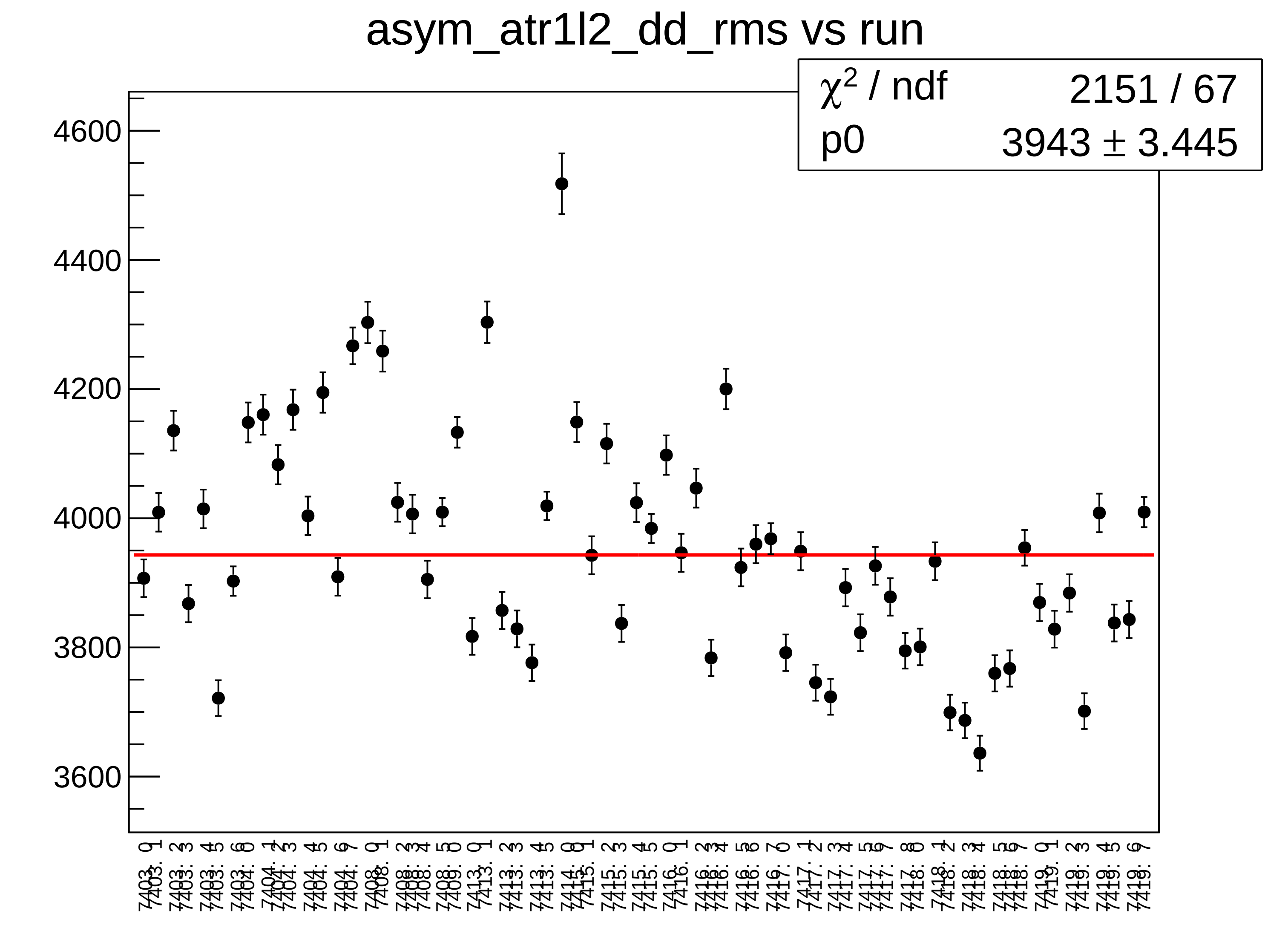
asym_atr1l2_dd_correction_mean vs run
χ^2 / ndf 58.74 / 67
p0 −714.6 ± 4392
pull
Entries 68
Mean 199.3
Std Dev 199.9
pull1D
Entries 68
Mean −0.006162
Std Dev 0.9294

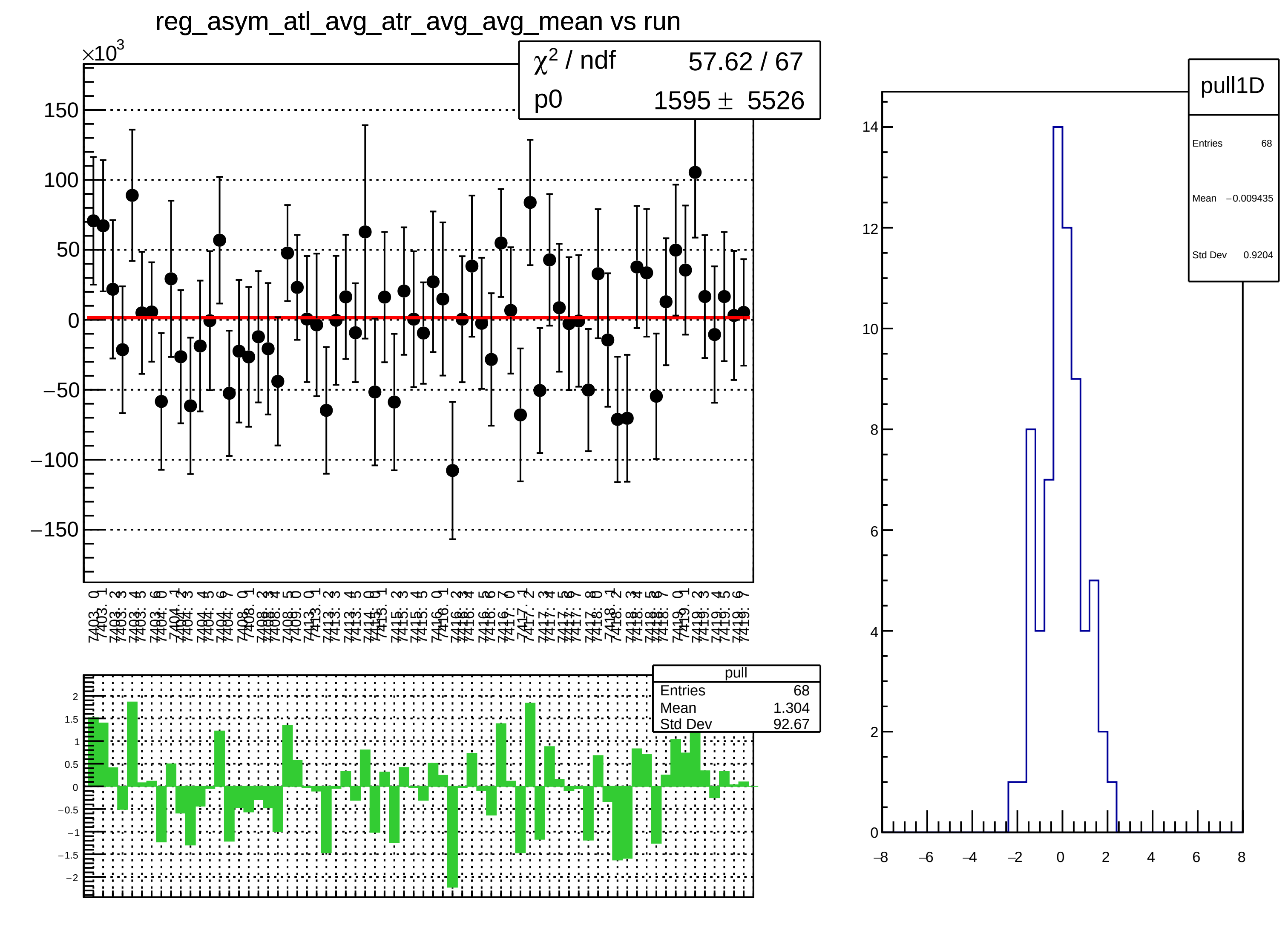


asym_atr1l2_dd_correction_rms vs run
χ^2 / ndf 3215 / 67
p0 3553 ± 3.105
4200
4000
3800
3600
3400
3200

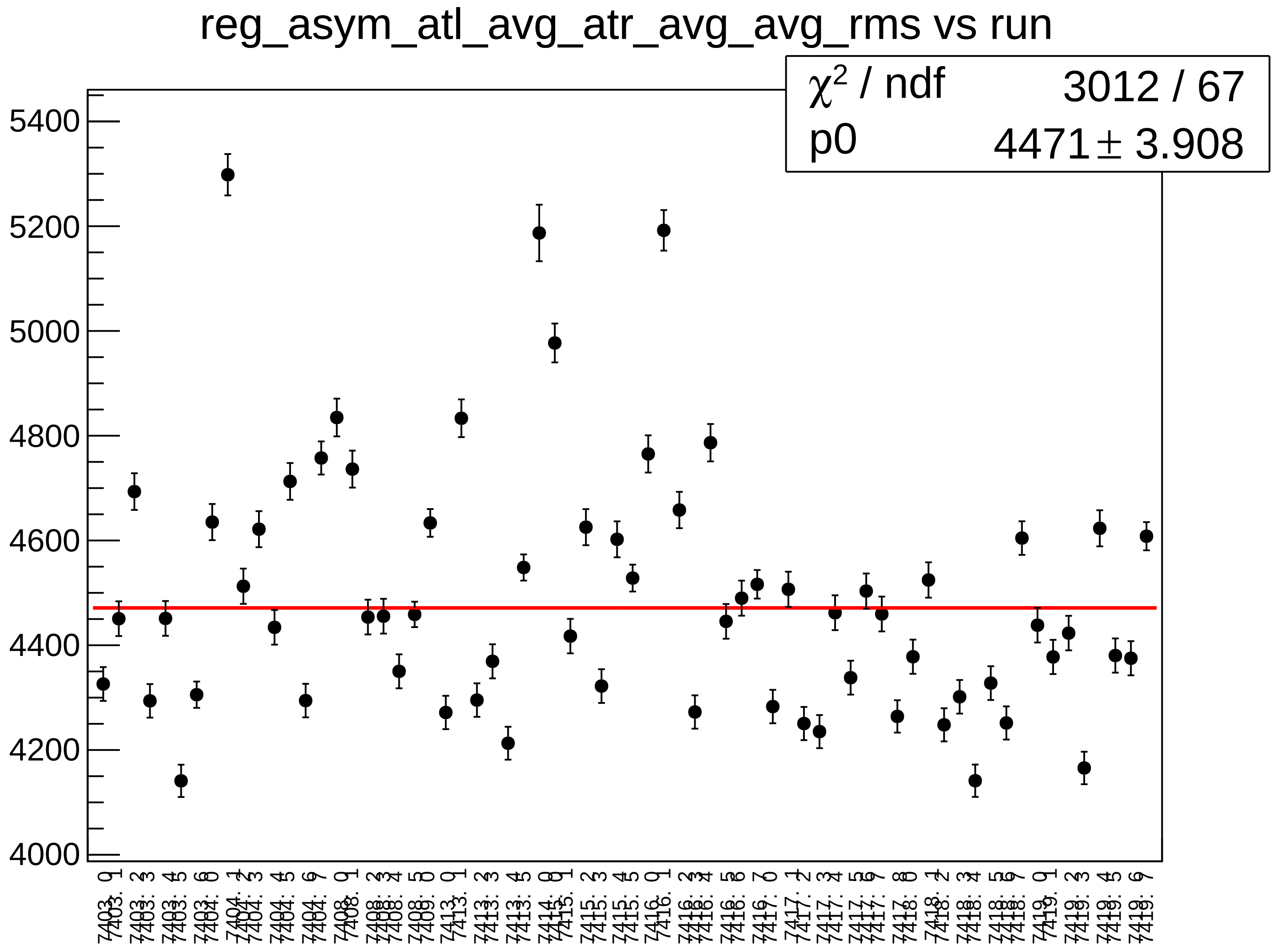


asym_atr1l2_dd_mean vs run
×10^3
χ2 / ndf 56.21 / 67
p0 7351 ± 4872
pull
Entries 68
Mean 700.8
Std Dev 691.3
pull1D
Entries 68
Mean 0.002473
Std Dev 0.9092

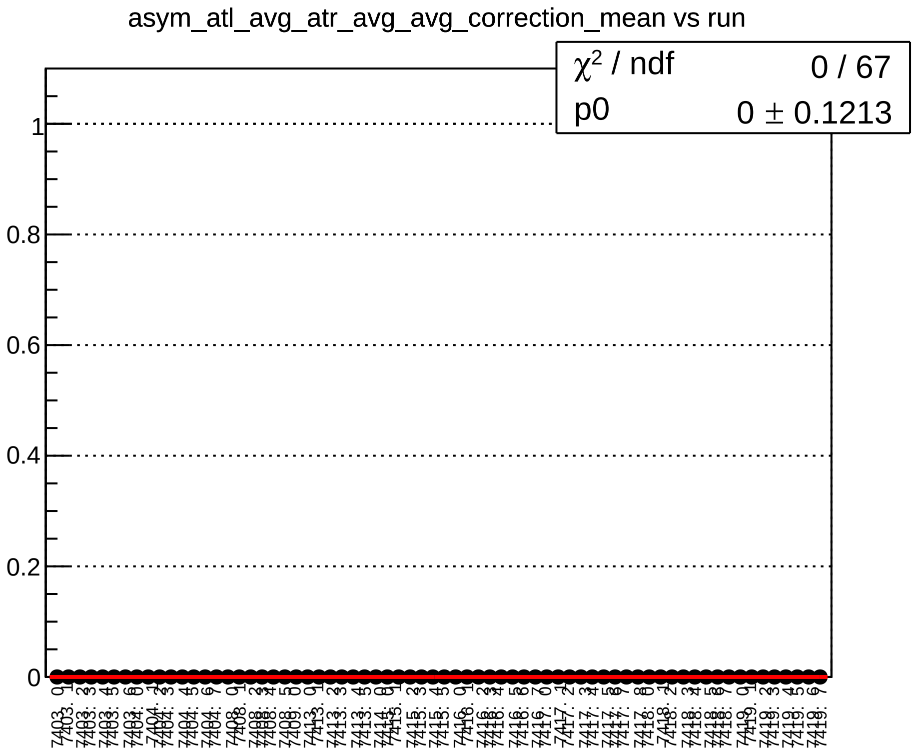

asym_atr1l2_dd_rms vs run
χ^2 / ndf 2151 / 67
p0 3943 ± 3.445
4600
4400
4200
4000
3800
3600

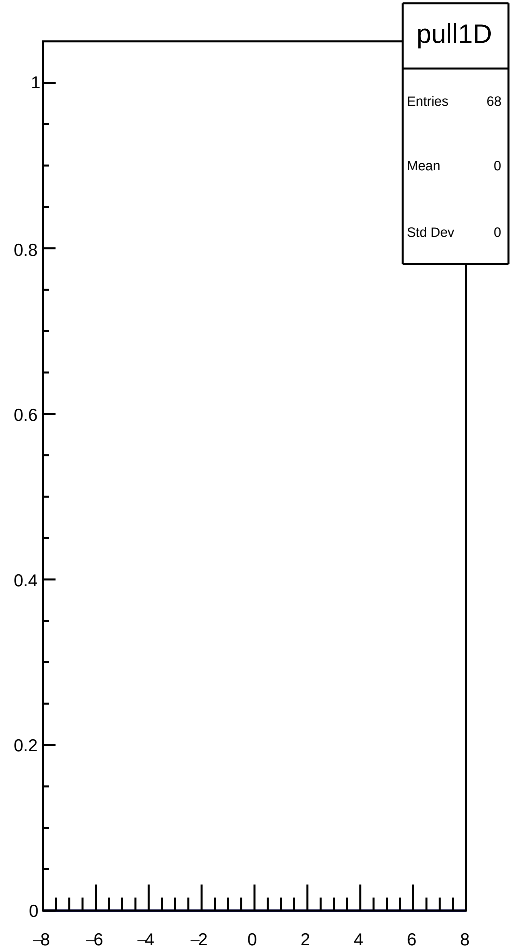


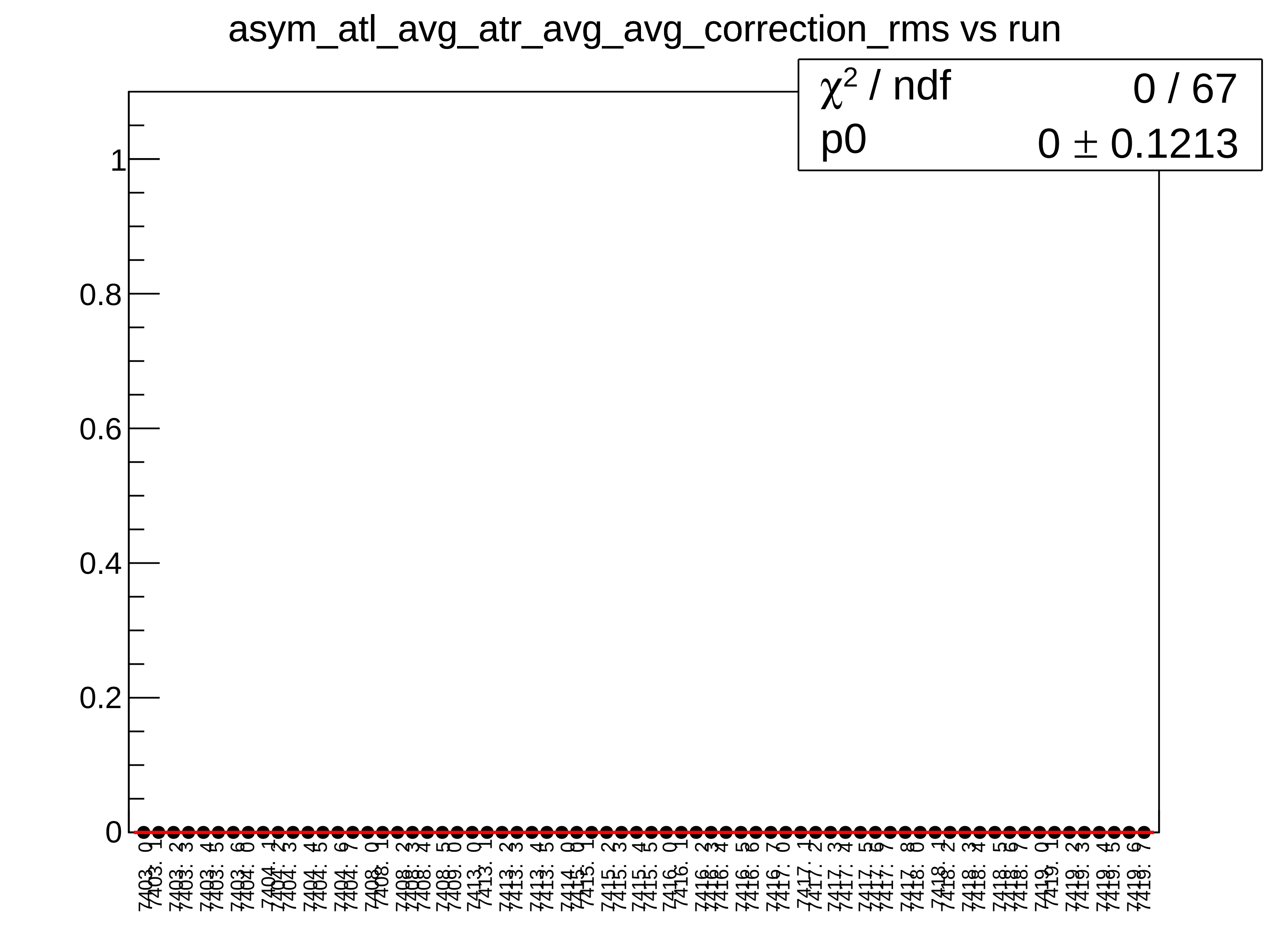
reg_asym_atl_avg_atr_avg_avg_mean vs run
χ2 / ndf 57.62 / 67
p0 1595 ± 5526
pull
Entries 68
Mean 1.304
Std Dev 92.67
pull1D
Entries 68
Mean −0.009435
Std Dev 0.9204



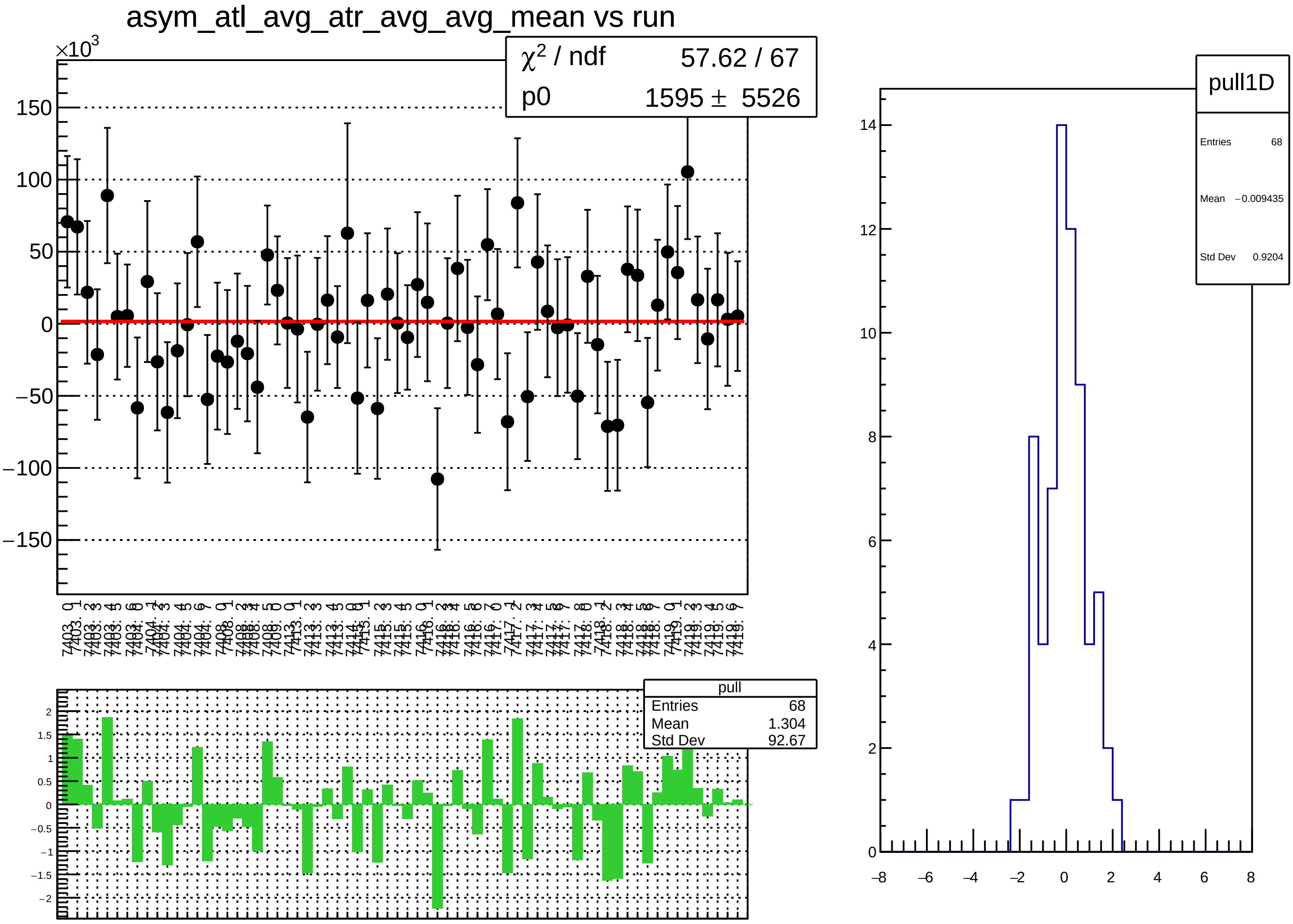
reg_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 3012 / 67
p0 4471 ± 3.908
5400
5200
5000
4800
4600
4400
4200
4000


asym_atl_avg_atr_avg_avg_correction_mean vs run
χ2 / ndf 0 / 67
p0 0 ± 0.1213

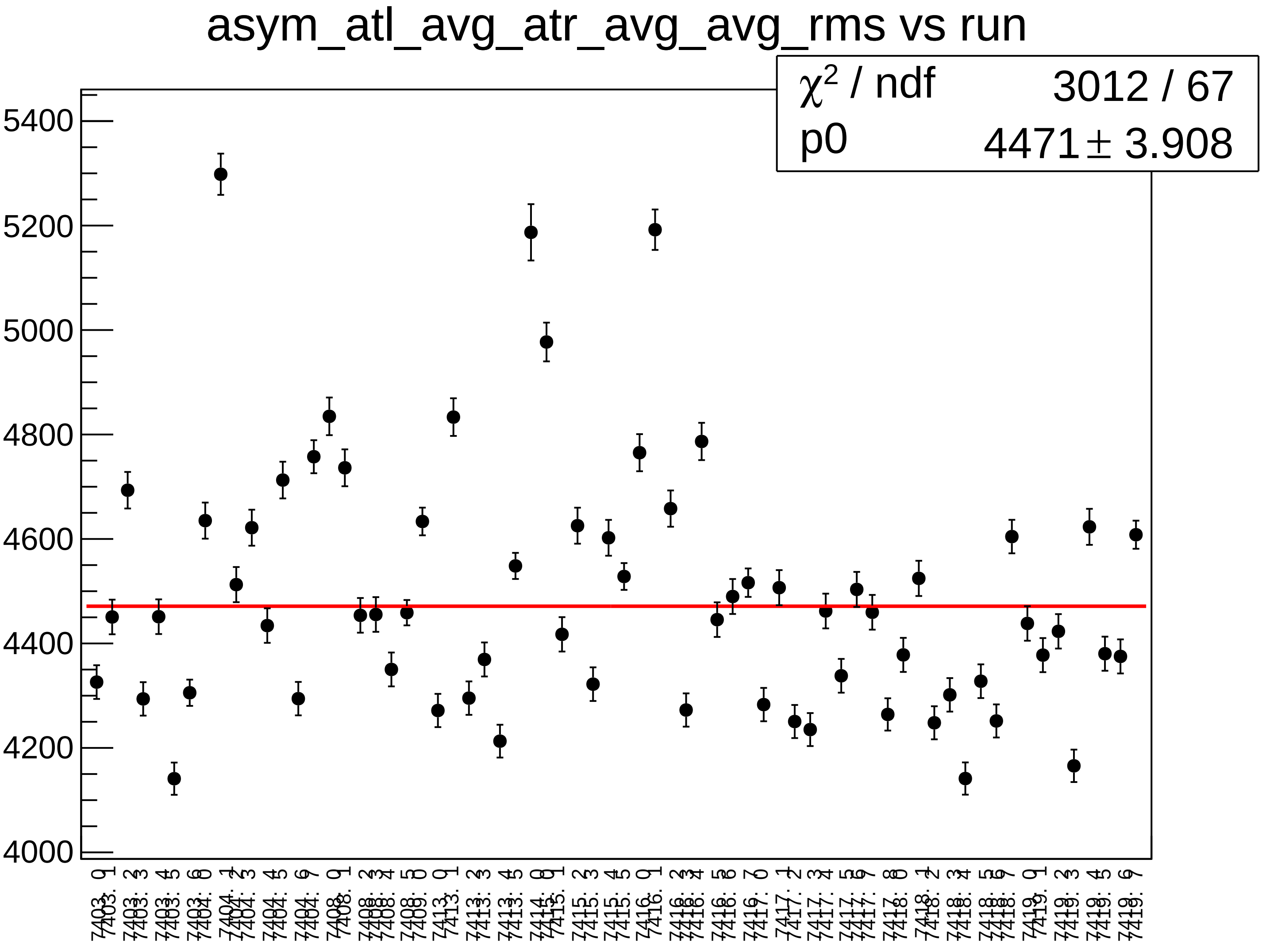

pull1D
Entries 68
Mean 0
Std Dev 0



asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 0 / 67
p0 0 ± 0.1213
1
0.8
0.6
0.4
0.2
0

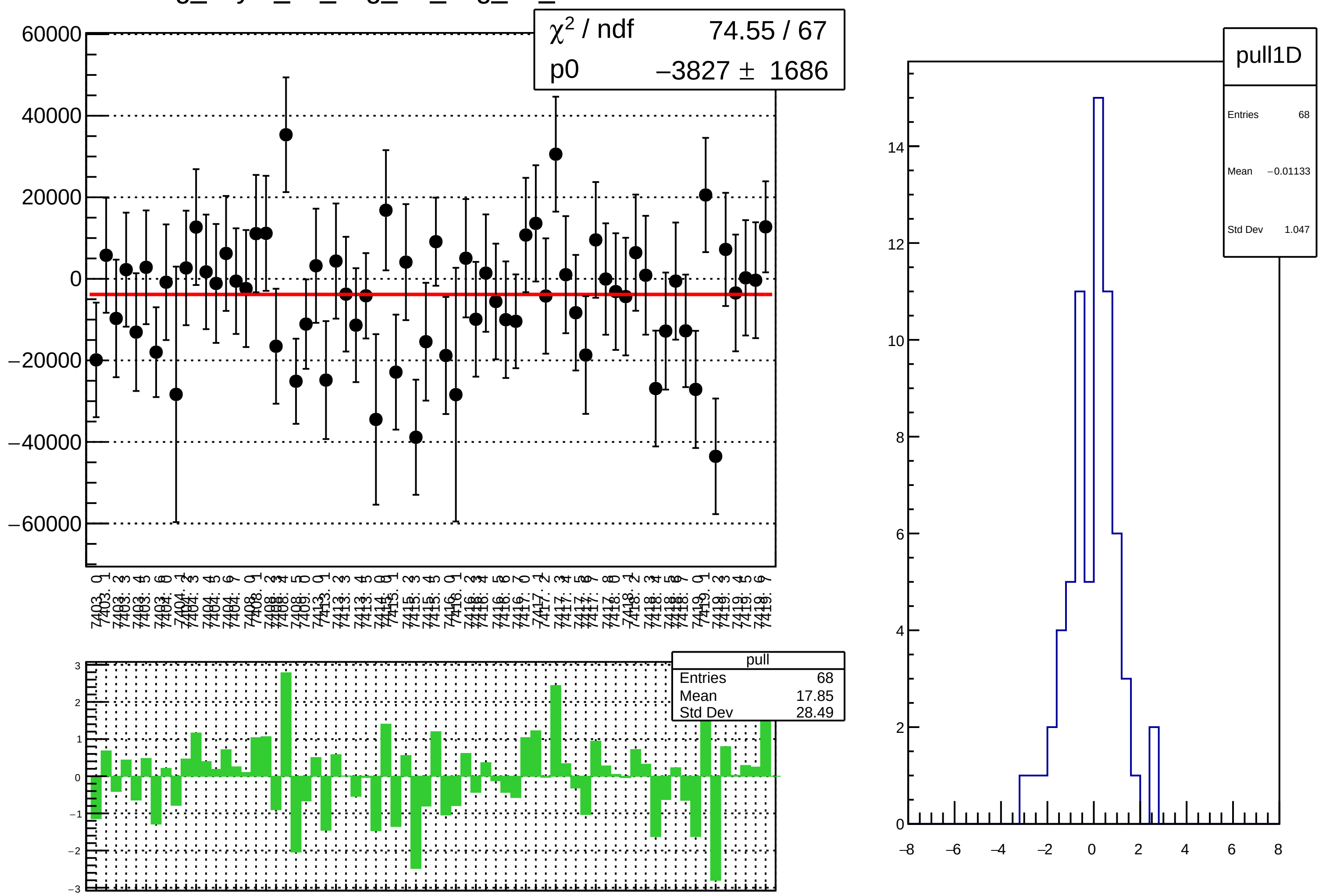


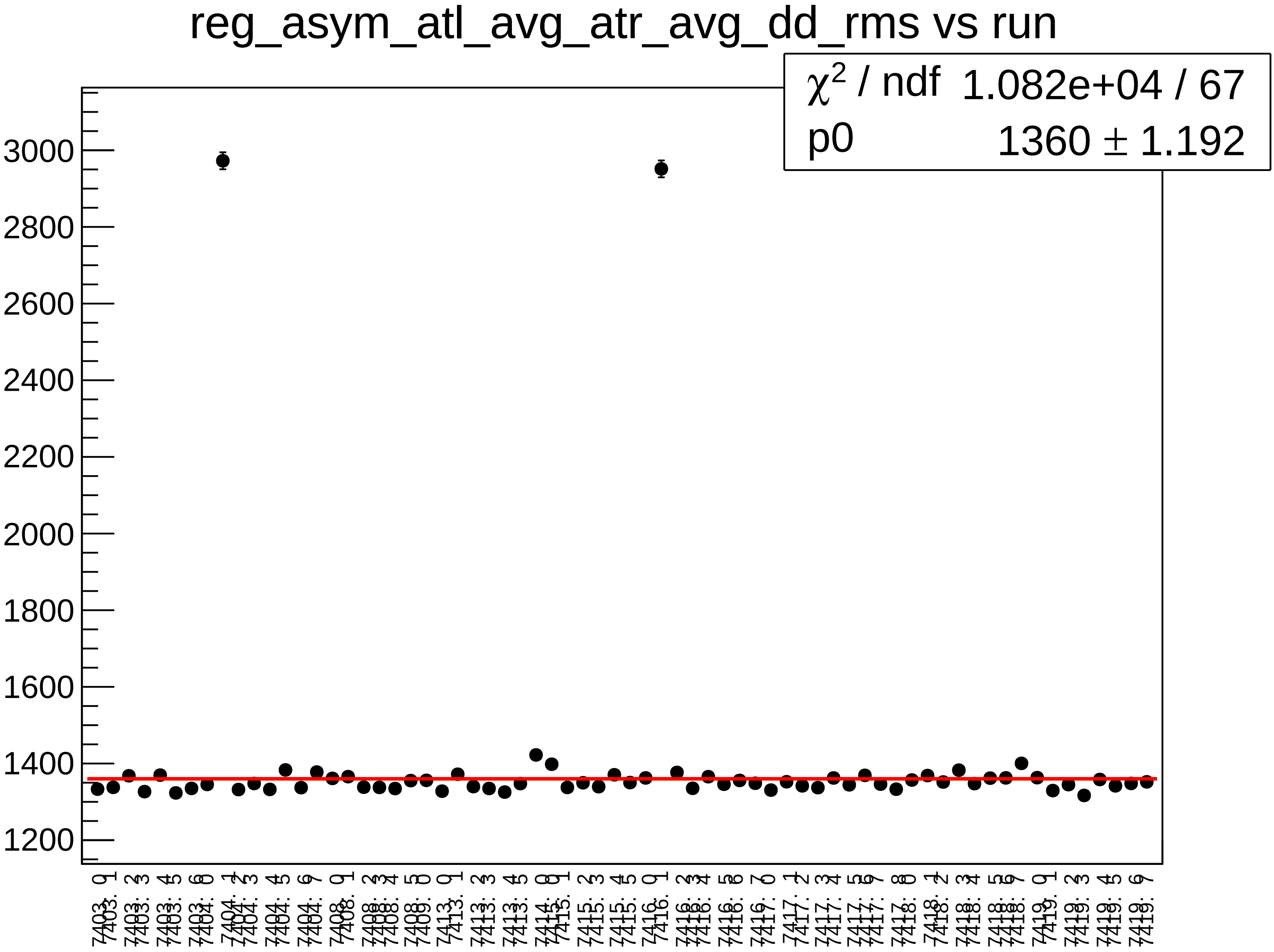
asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ2 / ndf 57.62 / 67
p0 1595 ± 5526
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean 1.304
Std Dev 92.67
pull1D
Entries 68
Mean −0.009435
Std Dev 0.9204



asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 3012 / 67
p0 4471 ± 3.908
5400
5200
5000
4800
4600
4400
4200
4000

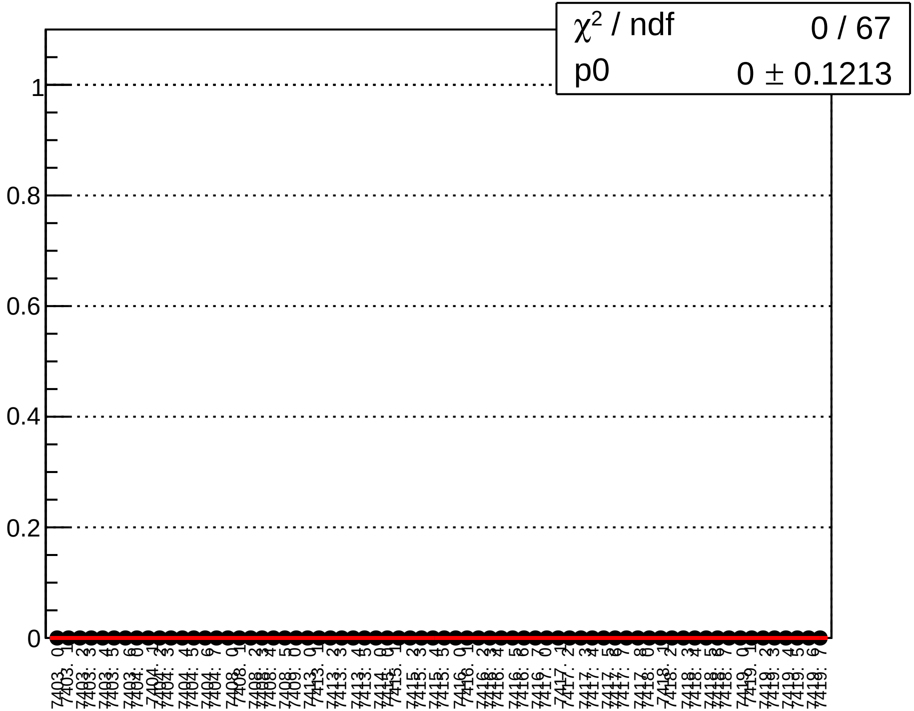
reg_asym_atl_avg_atr_avg_dd_mean vs run

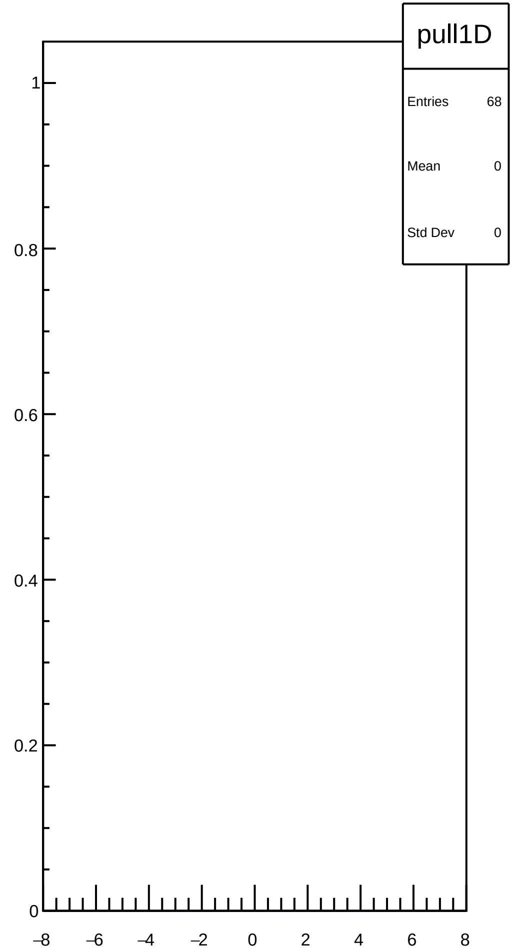


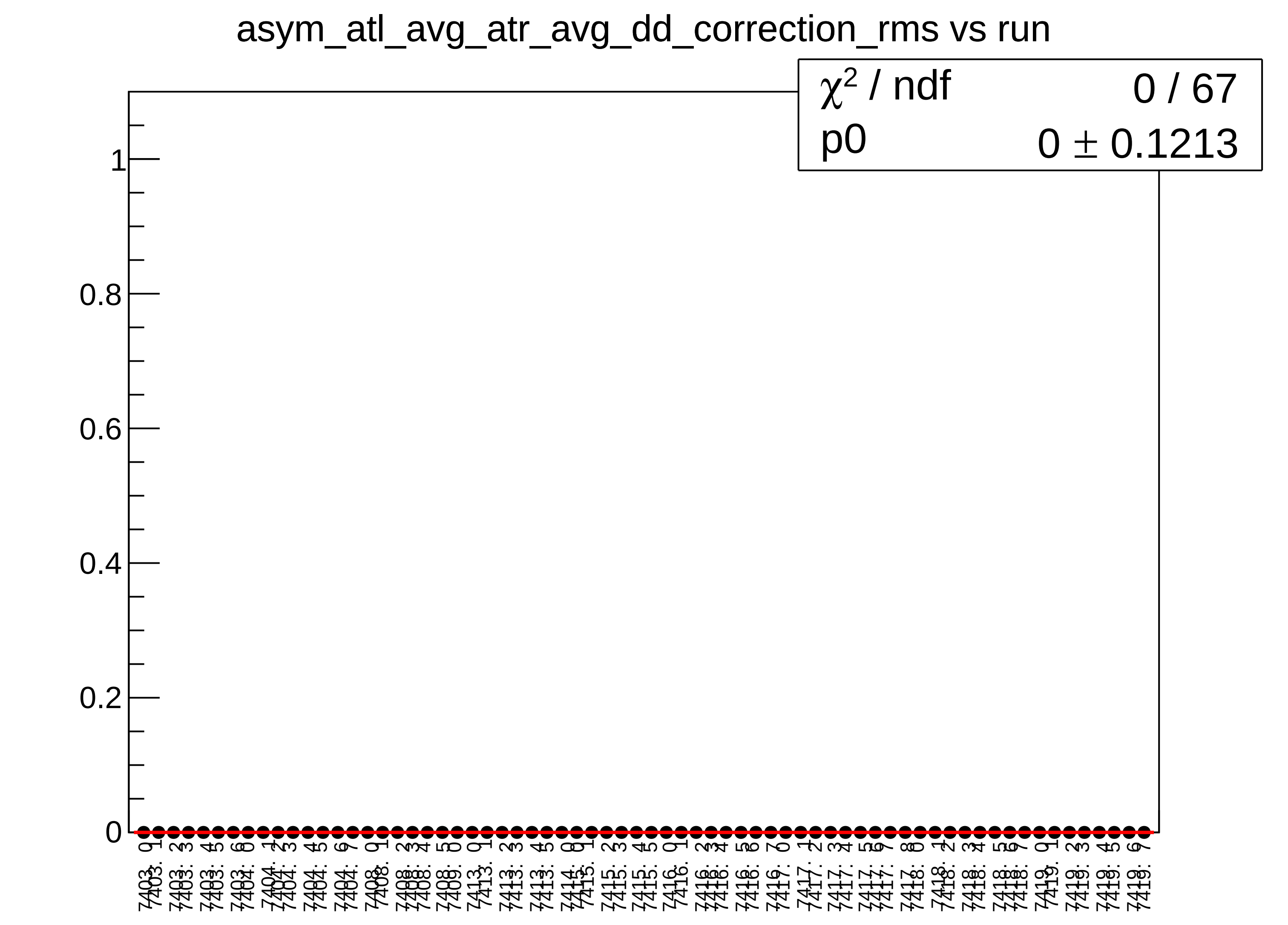


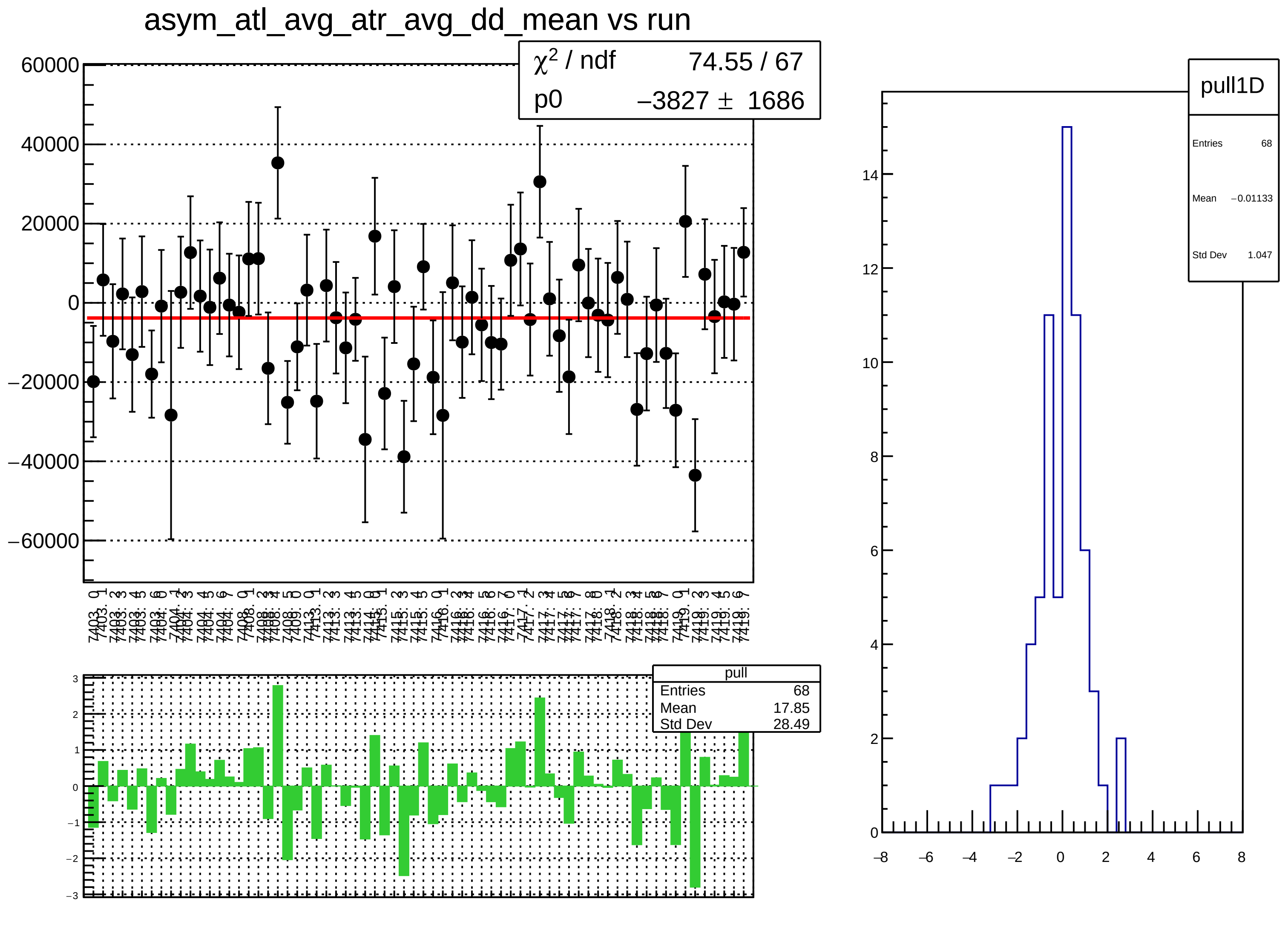
reg_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.082e+04 / 67
p0 1360 ± 1.192
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

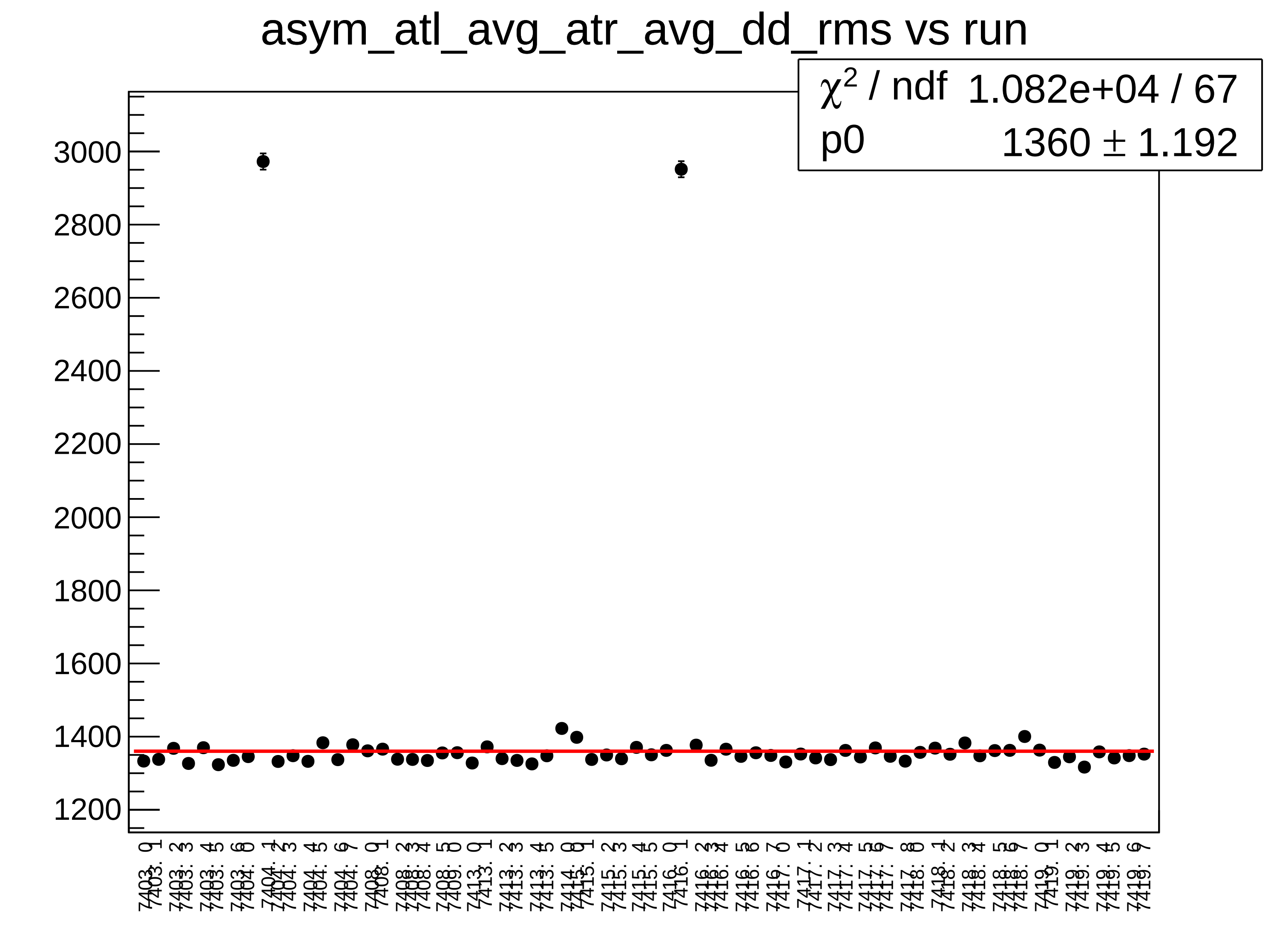
asym_atl_avg_atr_avg_dd_correction_mean vs run



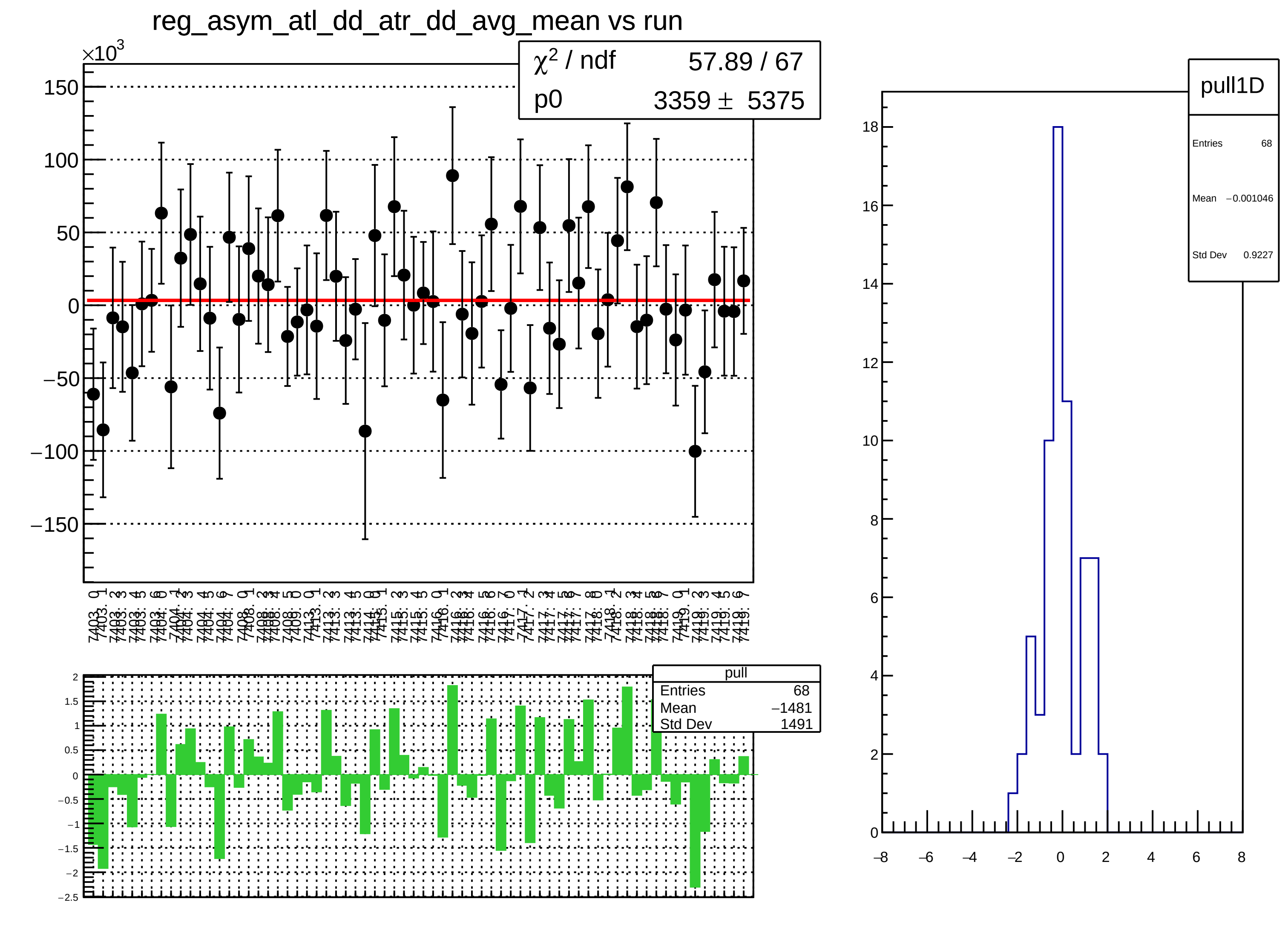



asym_atl_avg_atr_avg_dd_correction_rms vs run
χ2 / ndf 0 / 67
p0 0 ± 0.1213
1
0.8
0.6
0.4
0.2
0

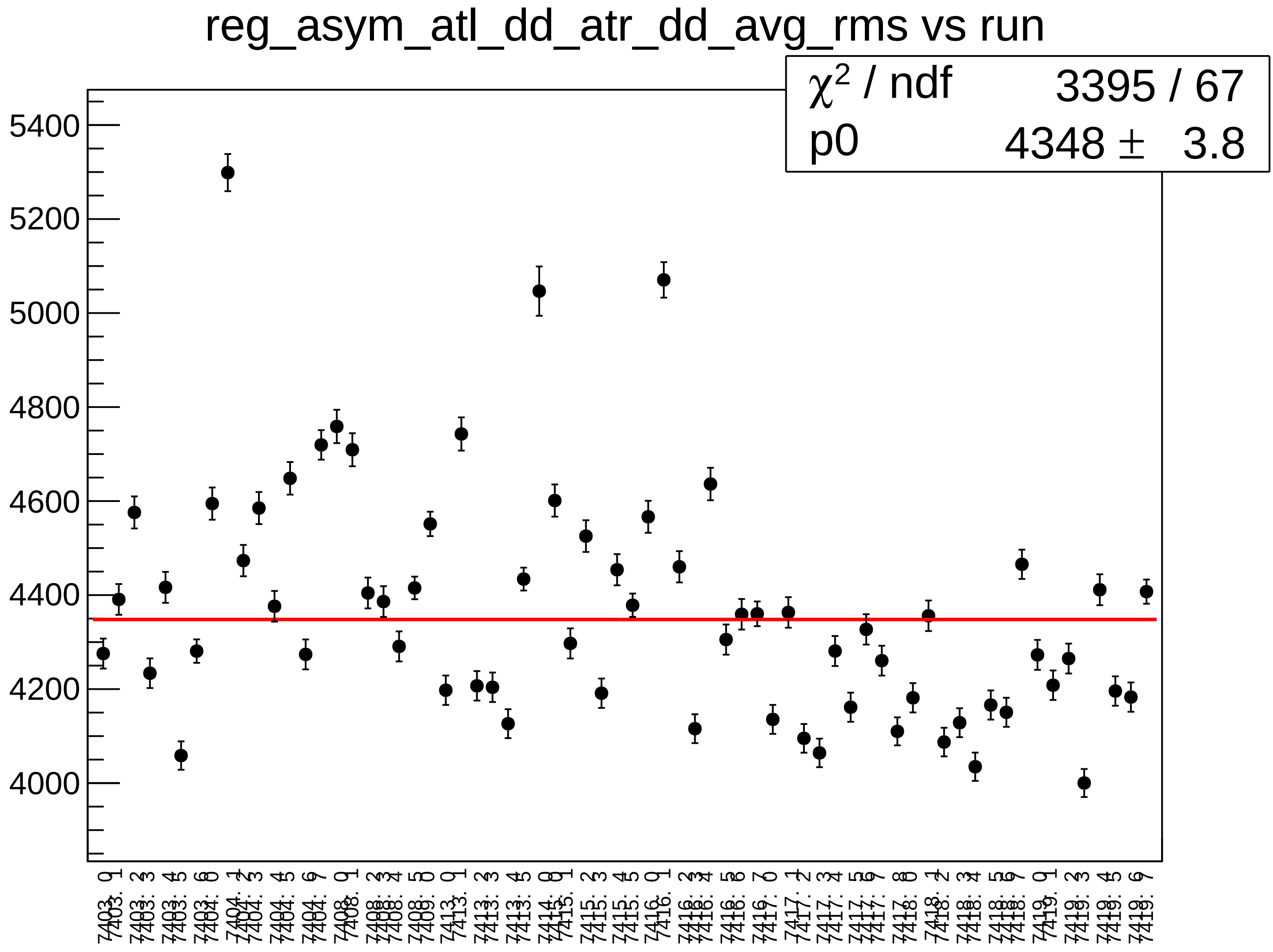

asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 74.55 / 67
p0 −3827 ± 1686
pull
Entries 68
Mean 17.85
Std Dev 28.49
pull1D
Entries 68
Mean −0.01133
Std Dev 1.047

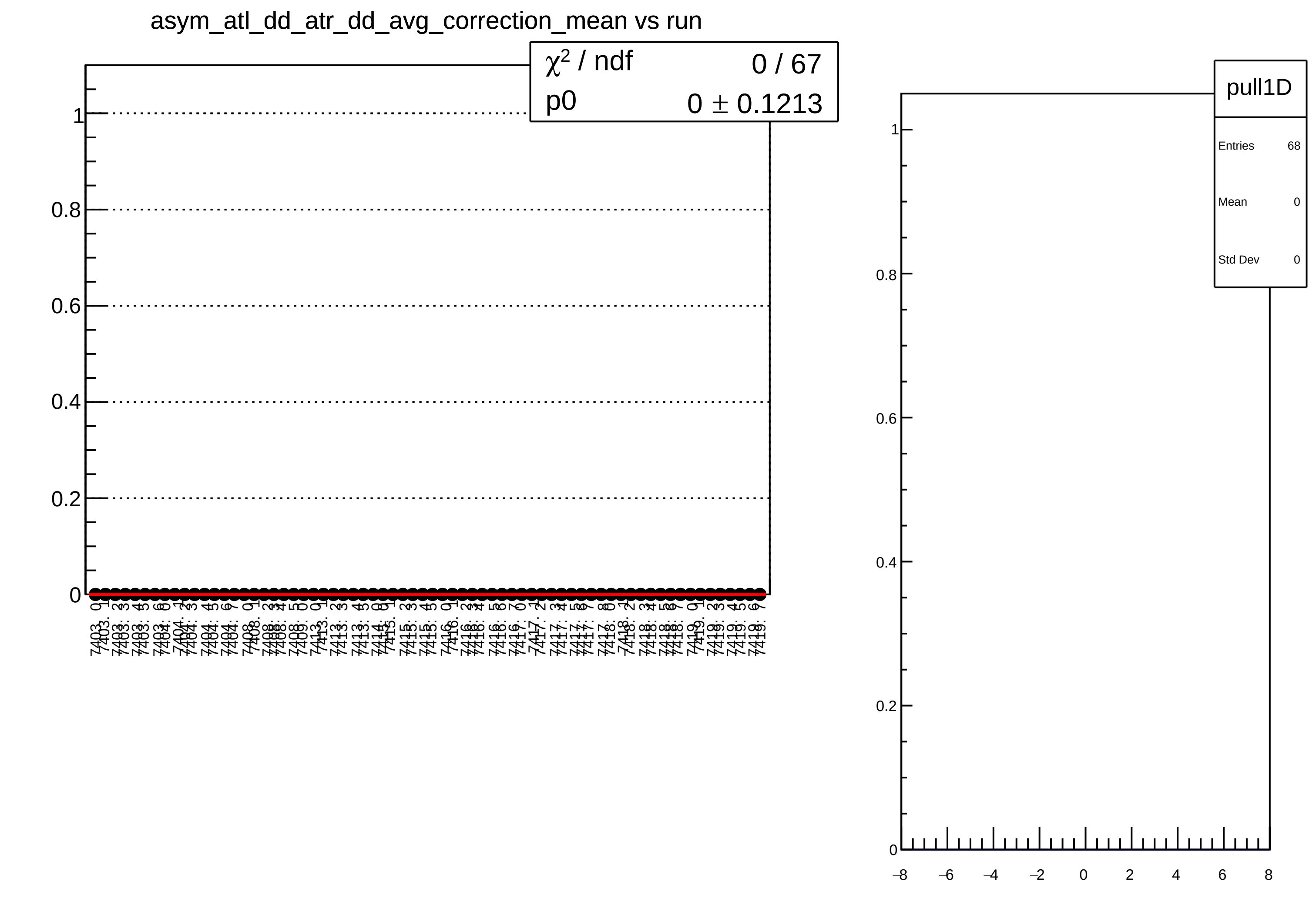


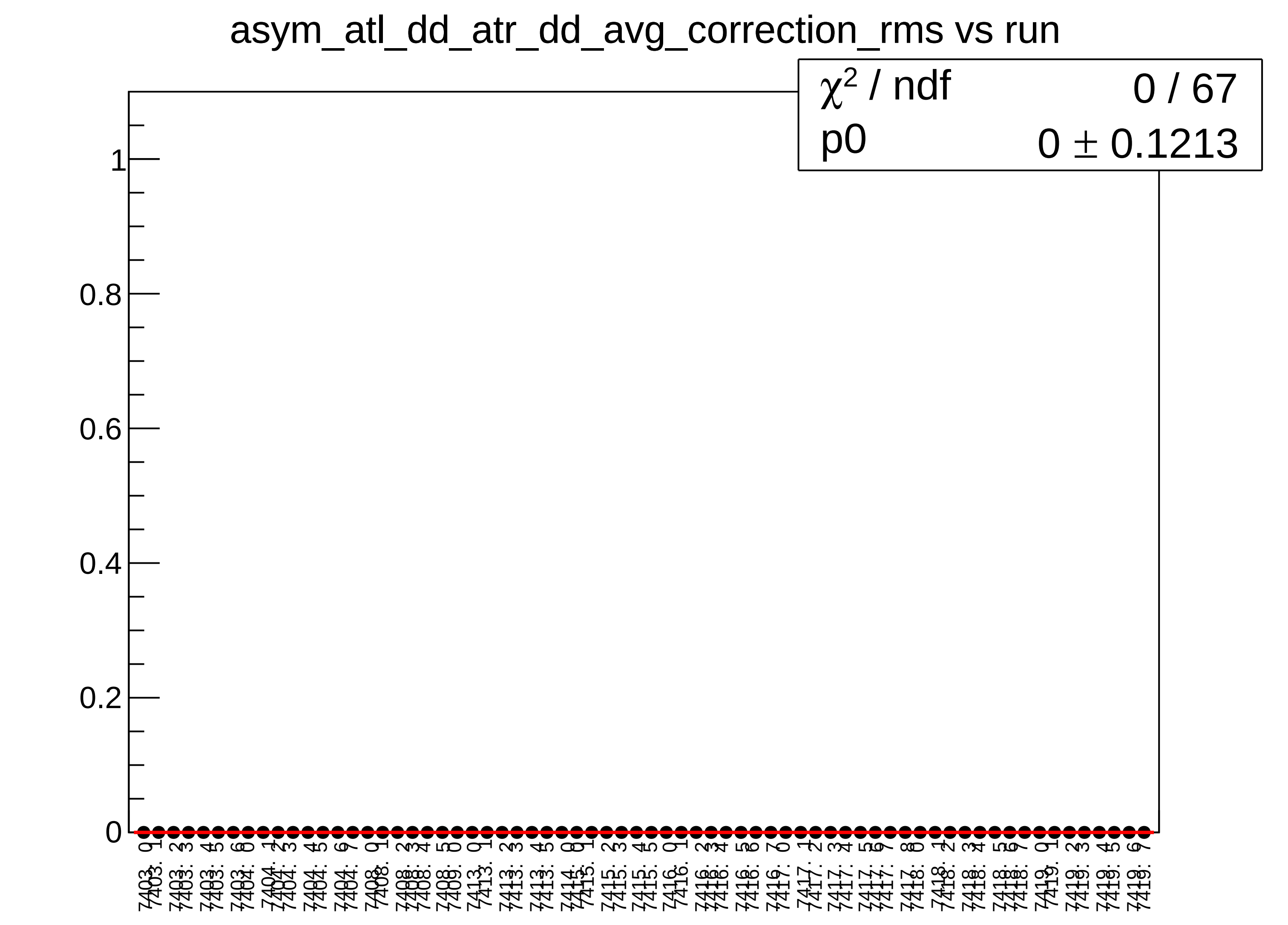
asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 1.082e+04 / 67
p0 1360 ± 1.192
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

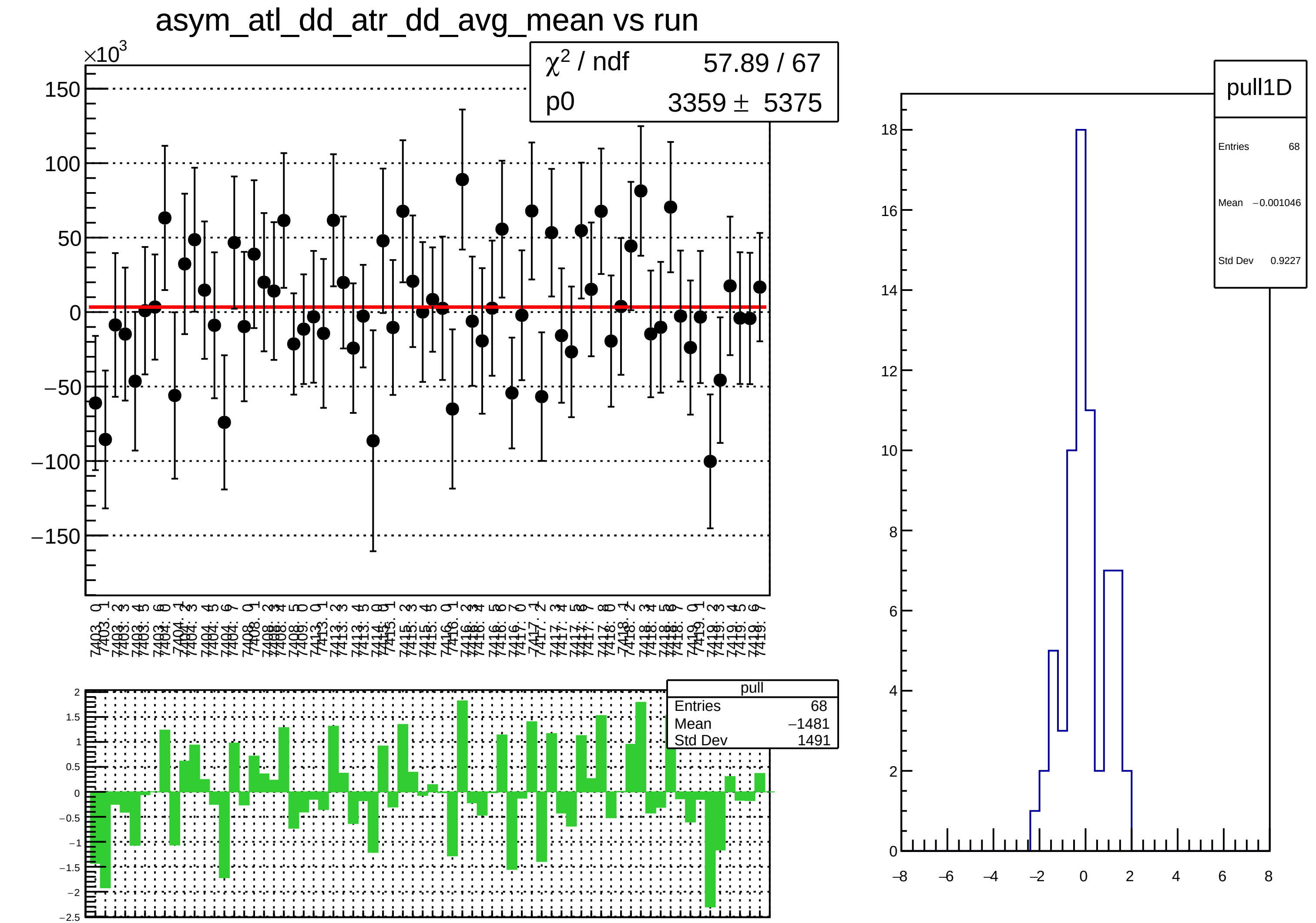


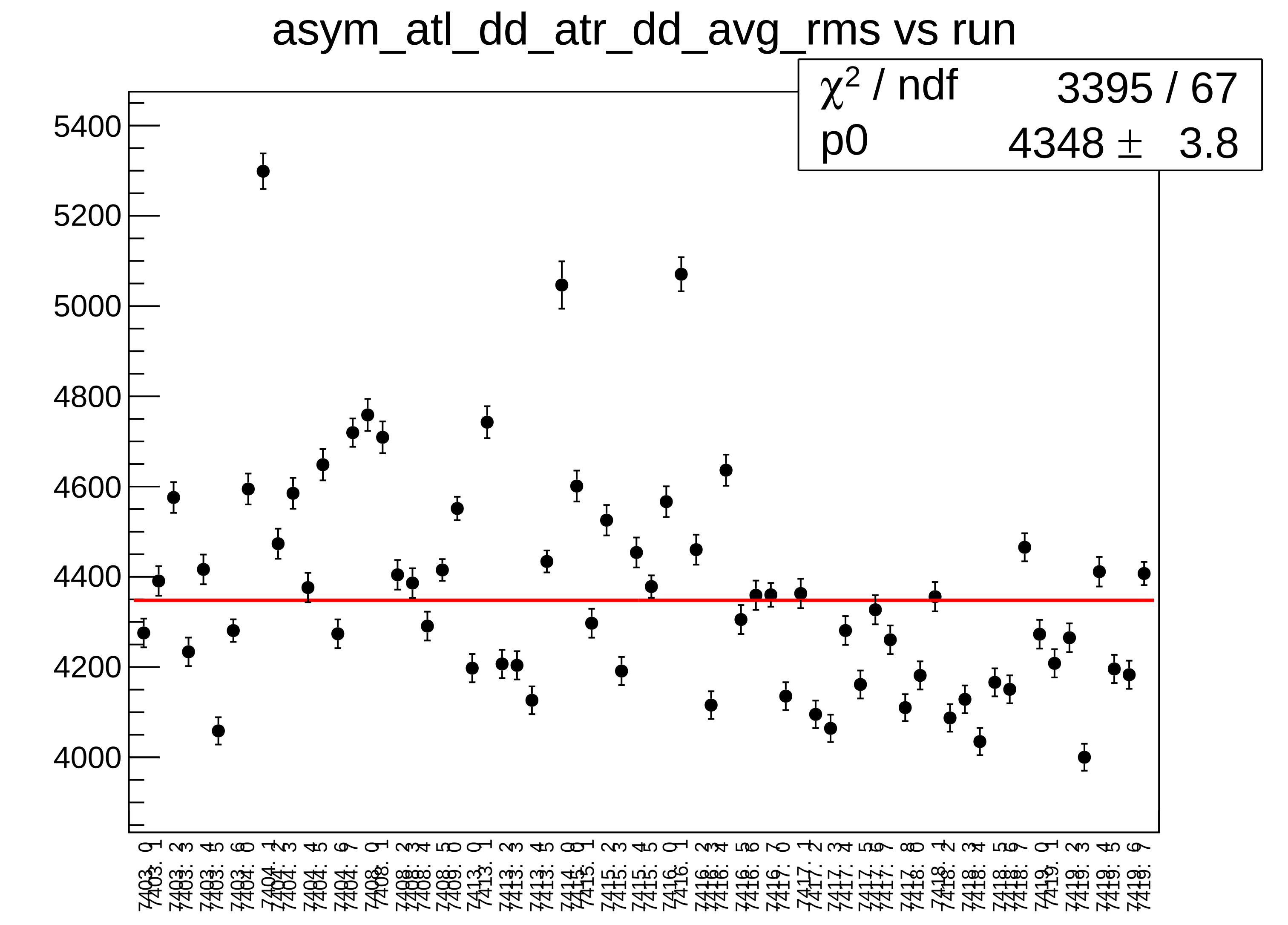
reg_asym_atl_dd_atr_dd_avg_mean vs run
$\times10^3$
χ^2 / ndf 57.89 / 67
p0 3359 ± 5375
pull
Entries 68
Mean −1481
Std Dev 1491
pull1D
Entries 68
Mean −0.001046
Std Dev 0.9227

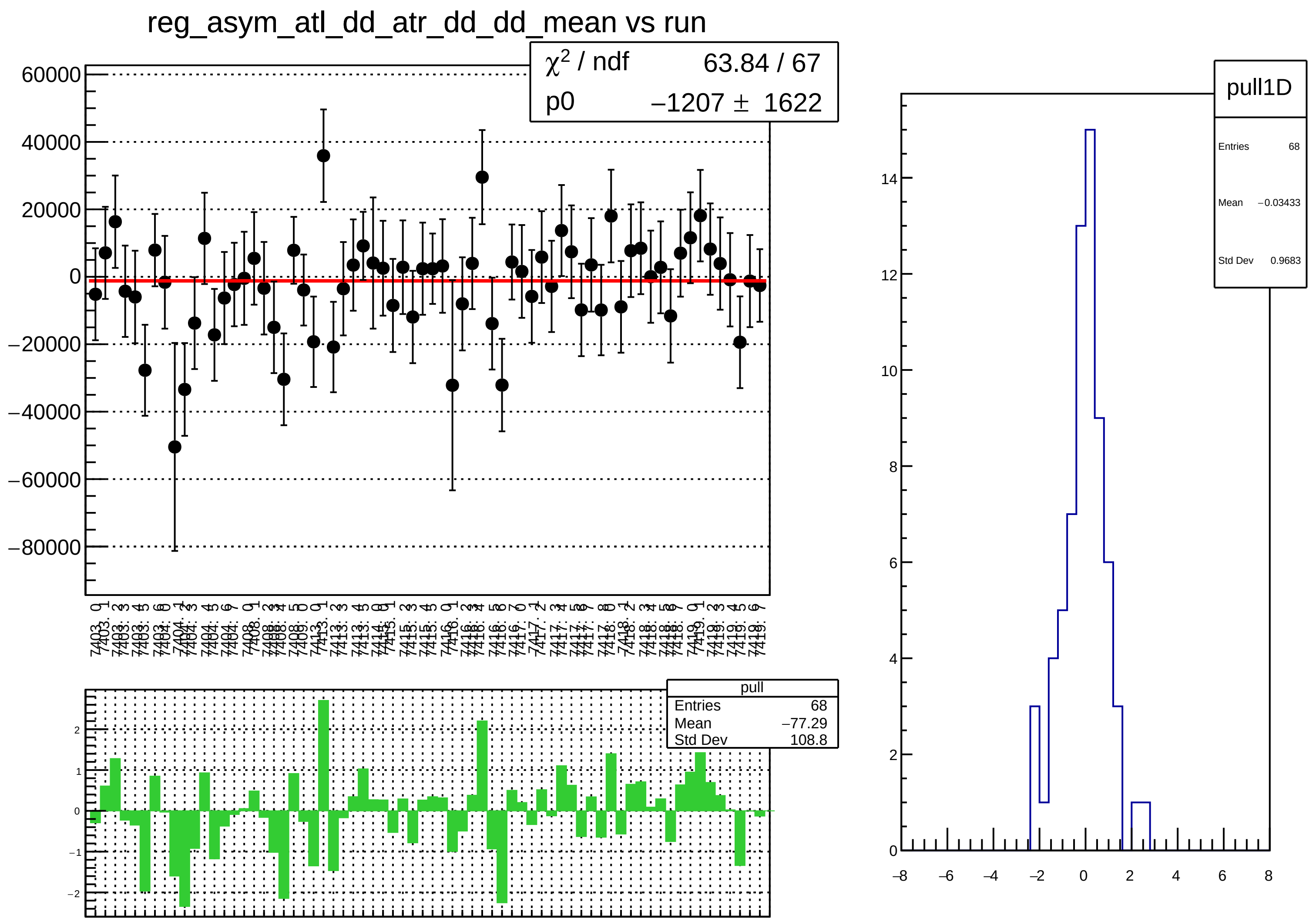

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 3395 / 67
p0 4348 ± 3.8
5400
5200
5000
4800
4600
4400
4200
4000


asym_atl_dd_atr_dd_avg_correction_mean vs run
χ2 / ndf 0 / 67
p0 0 ± 0.1213
pull1D
Entries 68
Mean 0
Std Dev 0

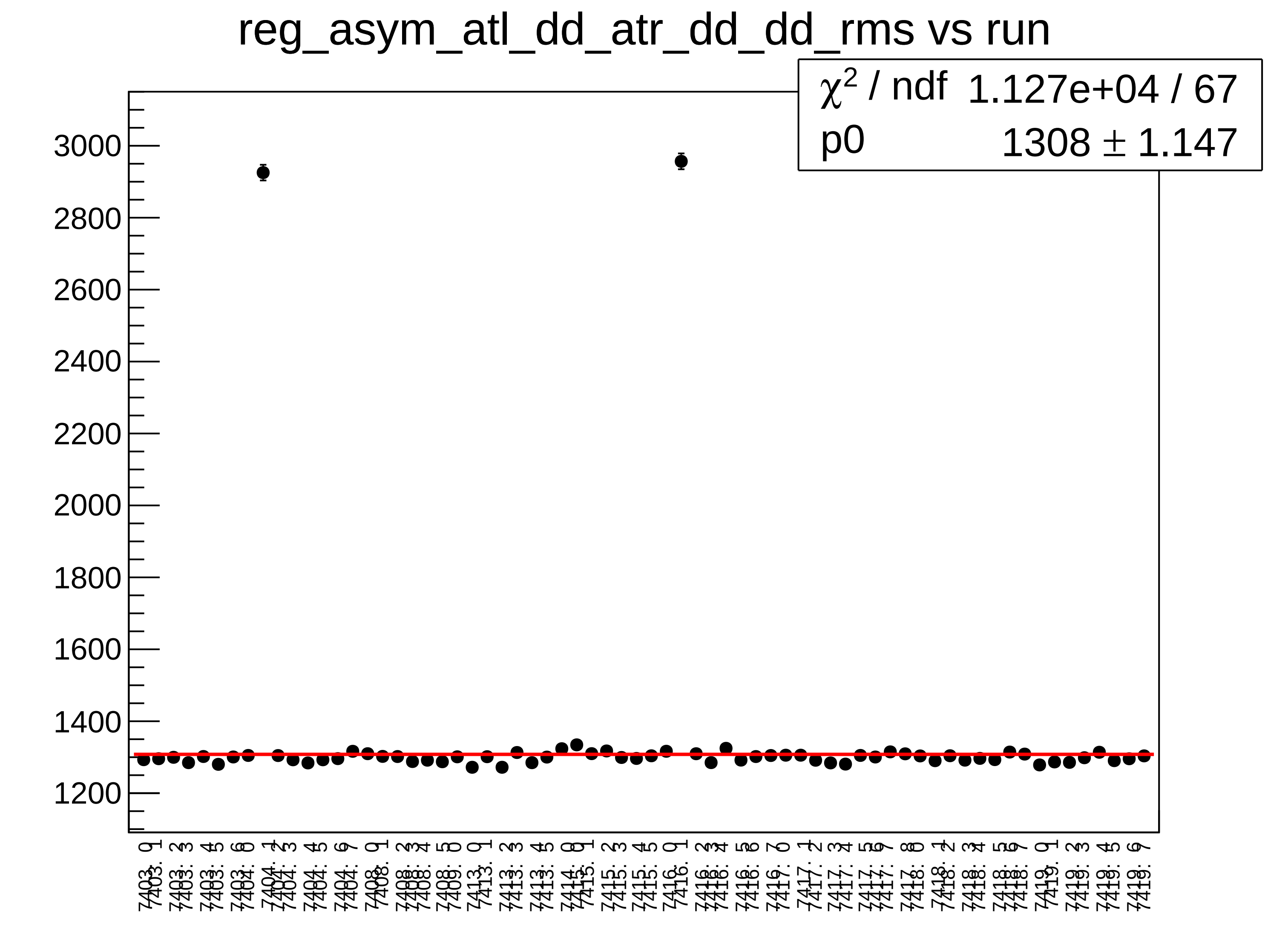

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 0 / 67
p0 0 ± 0.1213
1
0.8
0.6
0.4
0.2
0


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 57.89 / 67
p0 3359 ± 5375
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean −1481
Std Dev 1491
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 68
Mean −0.001046
Std Dev 0.9227
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 3395 / 67
p0 4348 ± 3.8
5400
5200
5000
4800
4600
4400
4200
4000

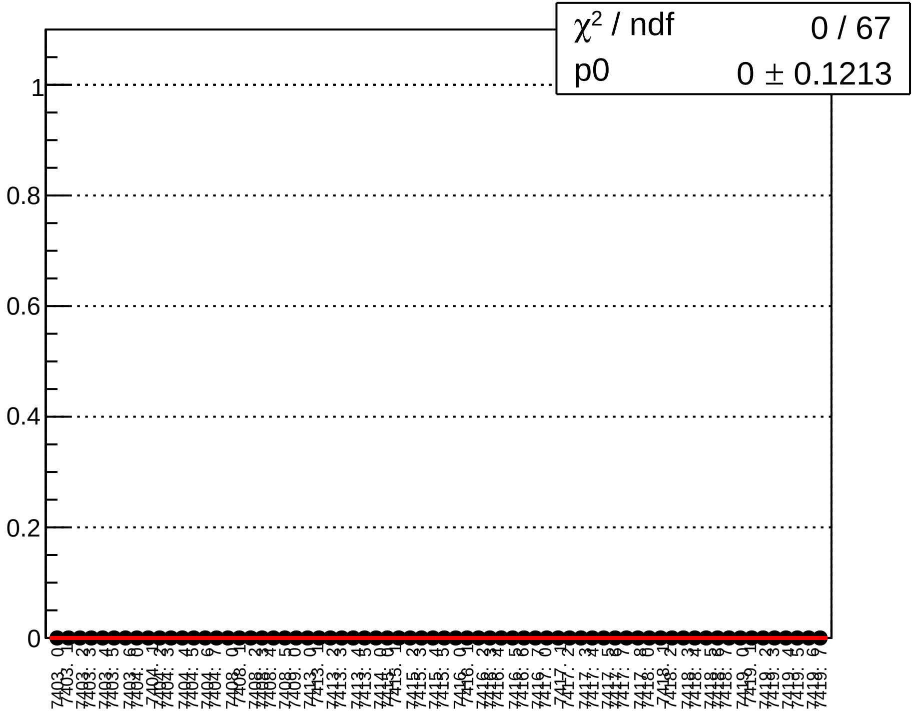


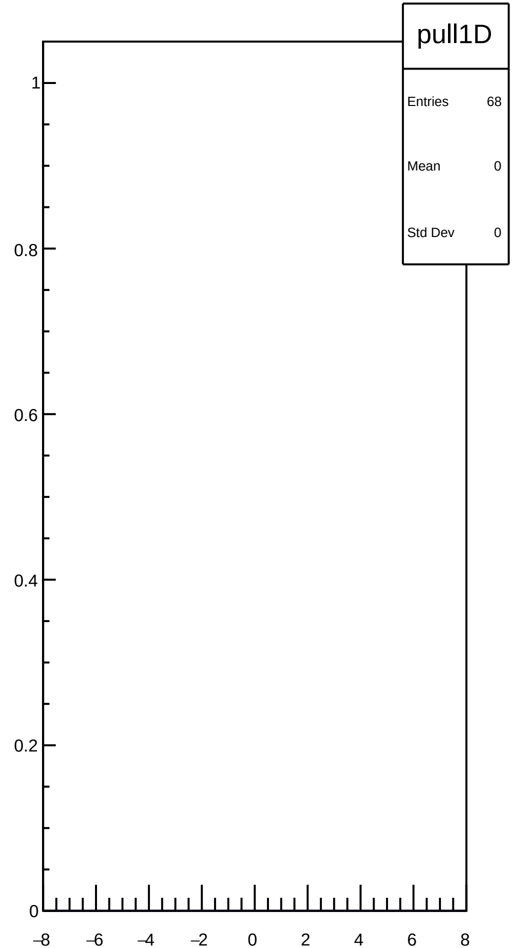
reg_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 63.84 / 67
p0 −1207 ± 1622
pull
Entries 68
Mean −77.29
Std Dev 108.8
pull1D
Entries 68
Mean −0.03433
Std Dev 0.9683

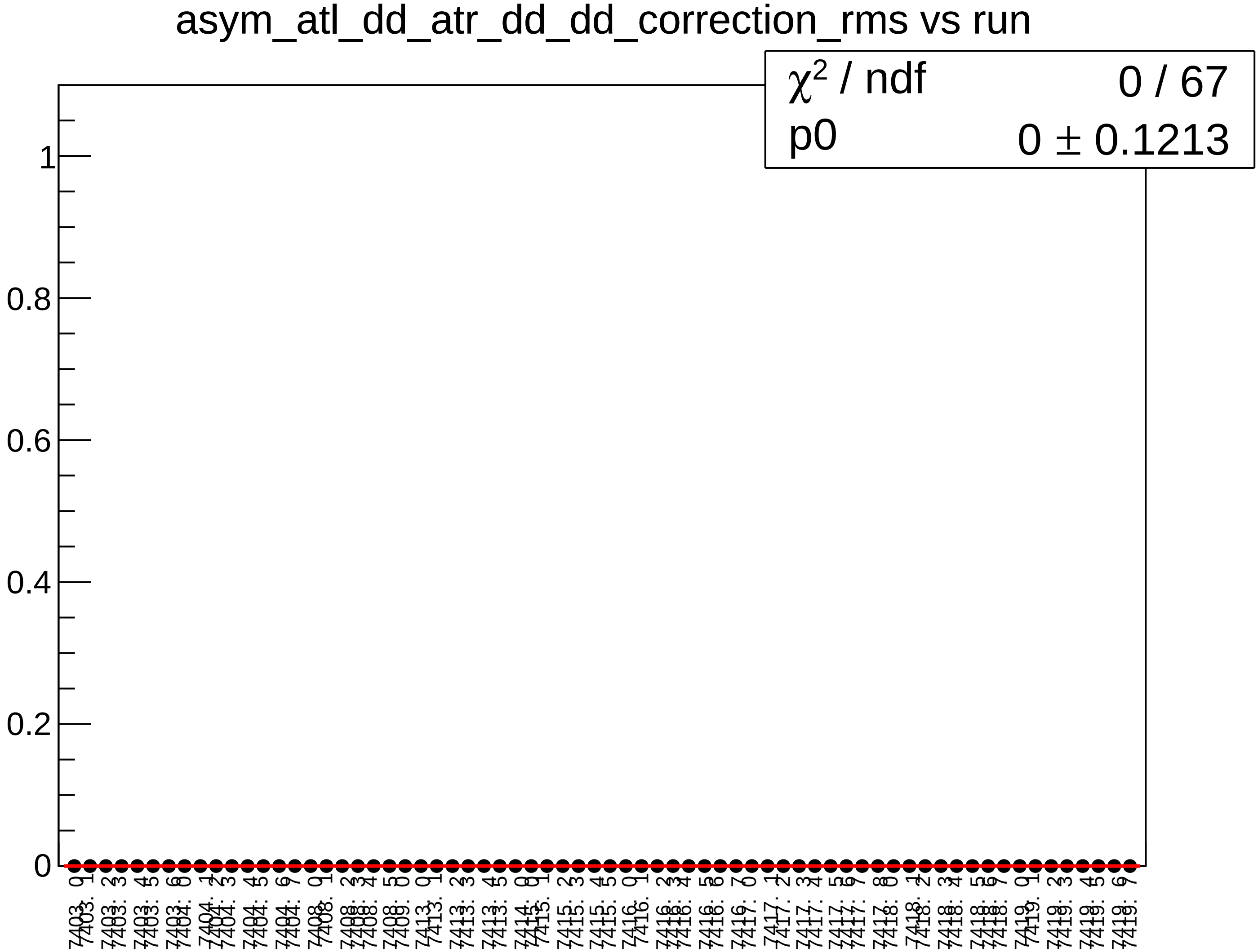


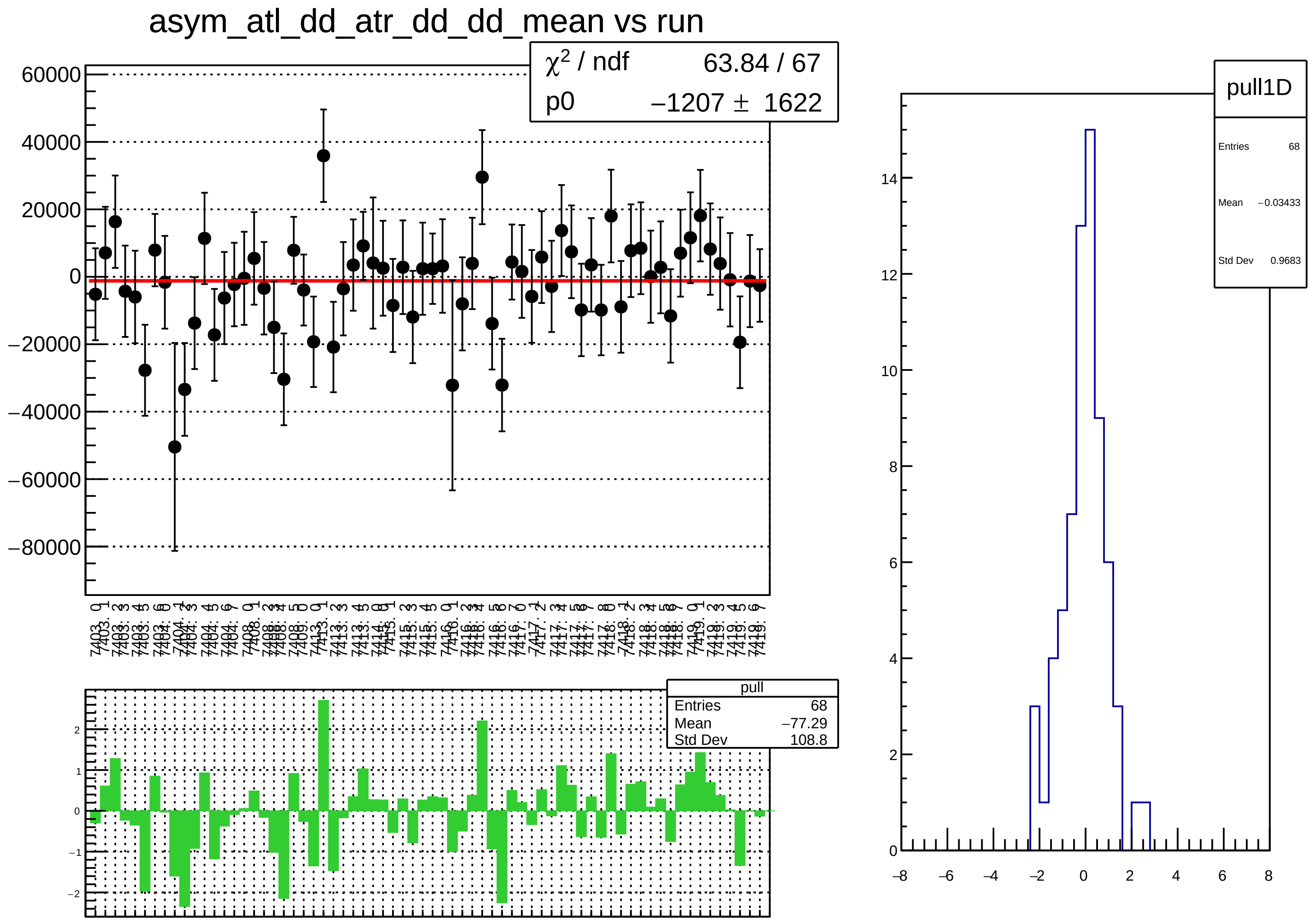
reg_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.127e+04 / 67
p0 1308 ± 1.147
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_dd_atr_dd_dd_correction_mean vs run

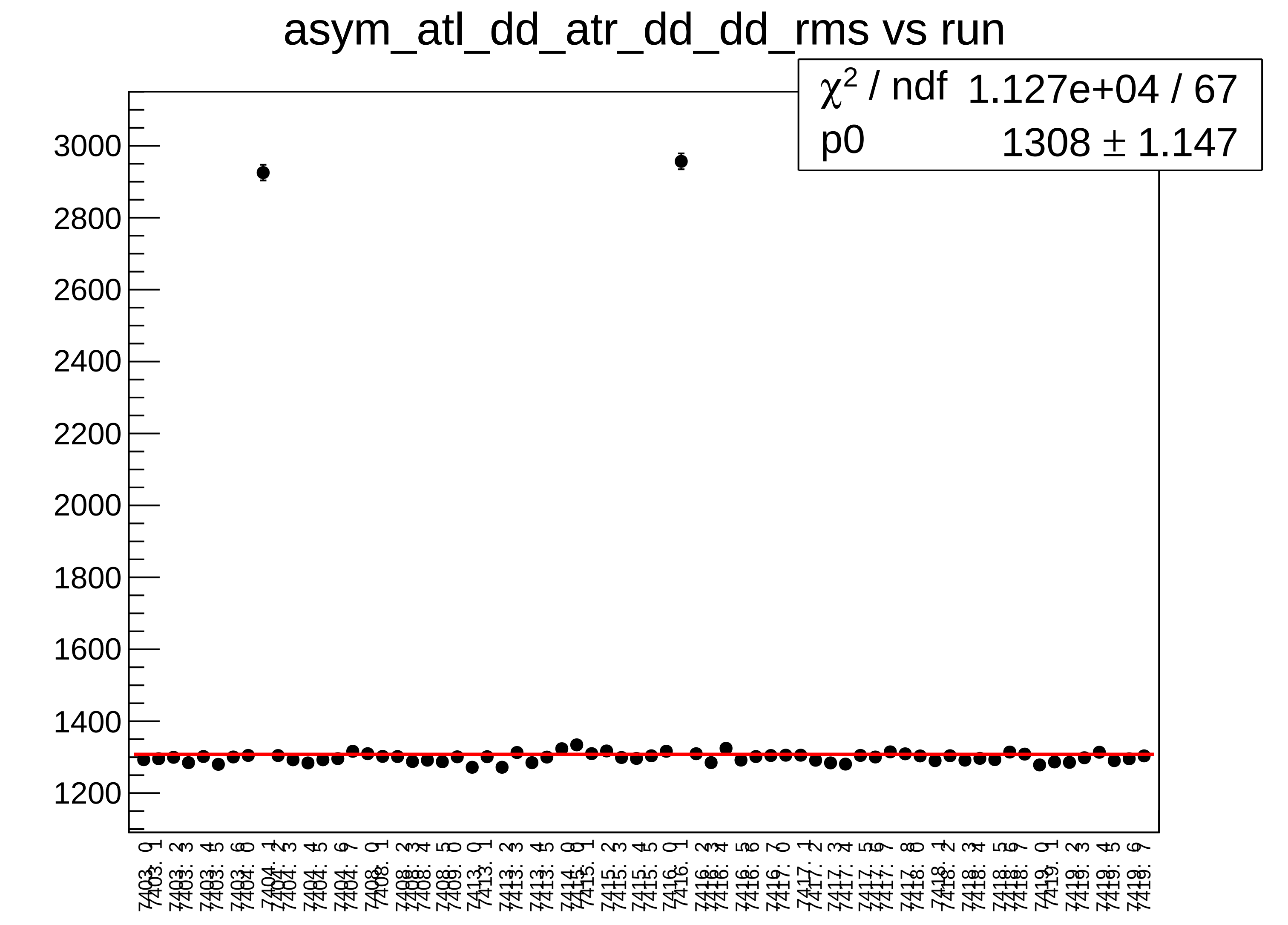


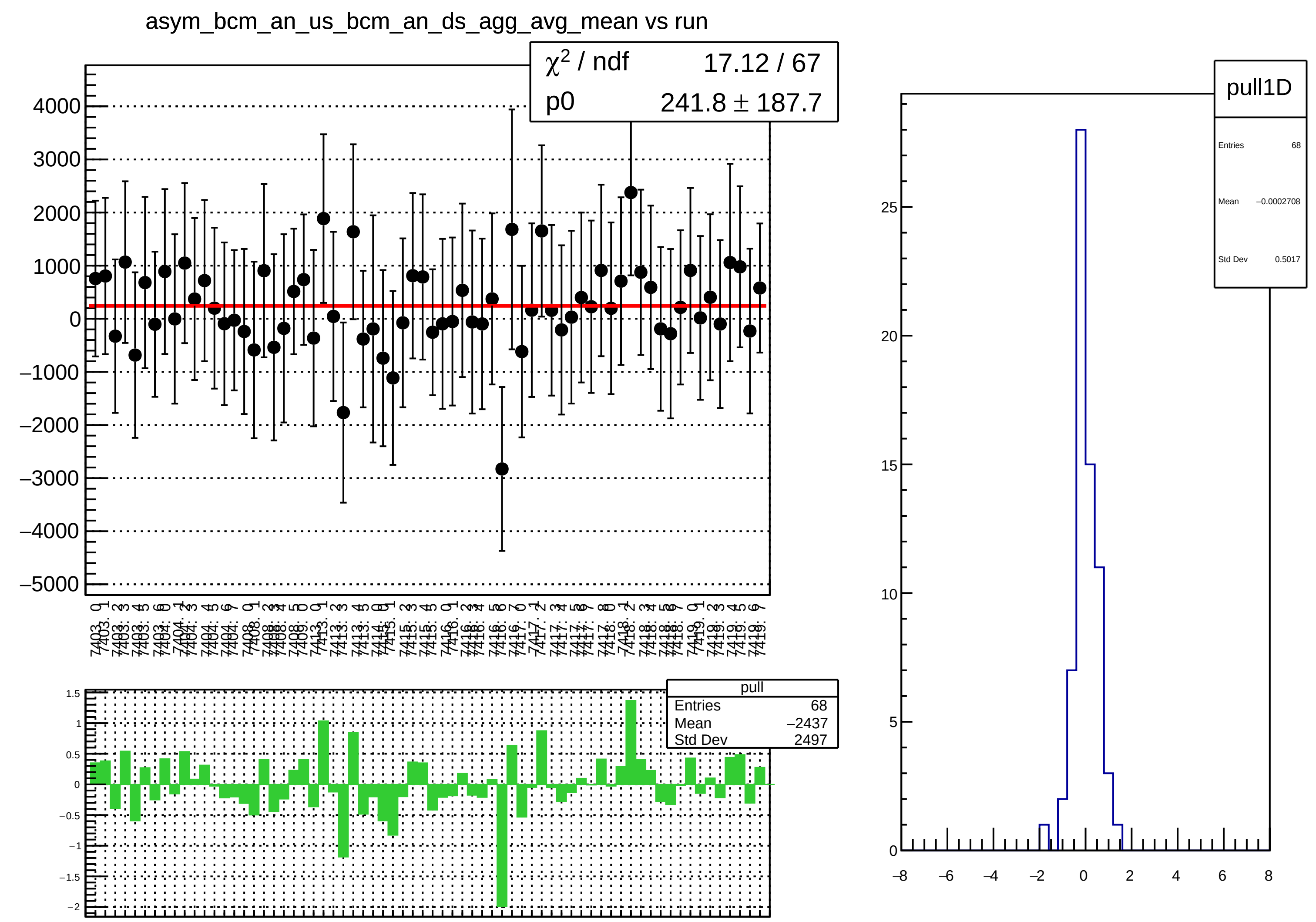


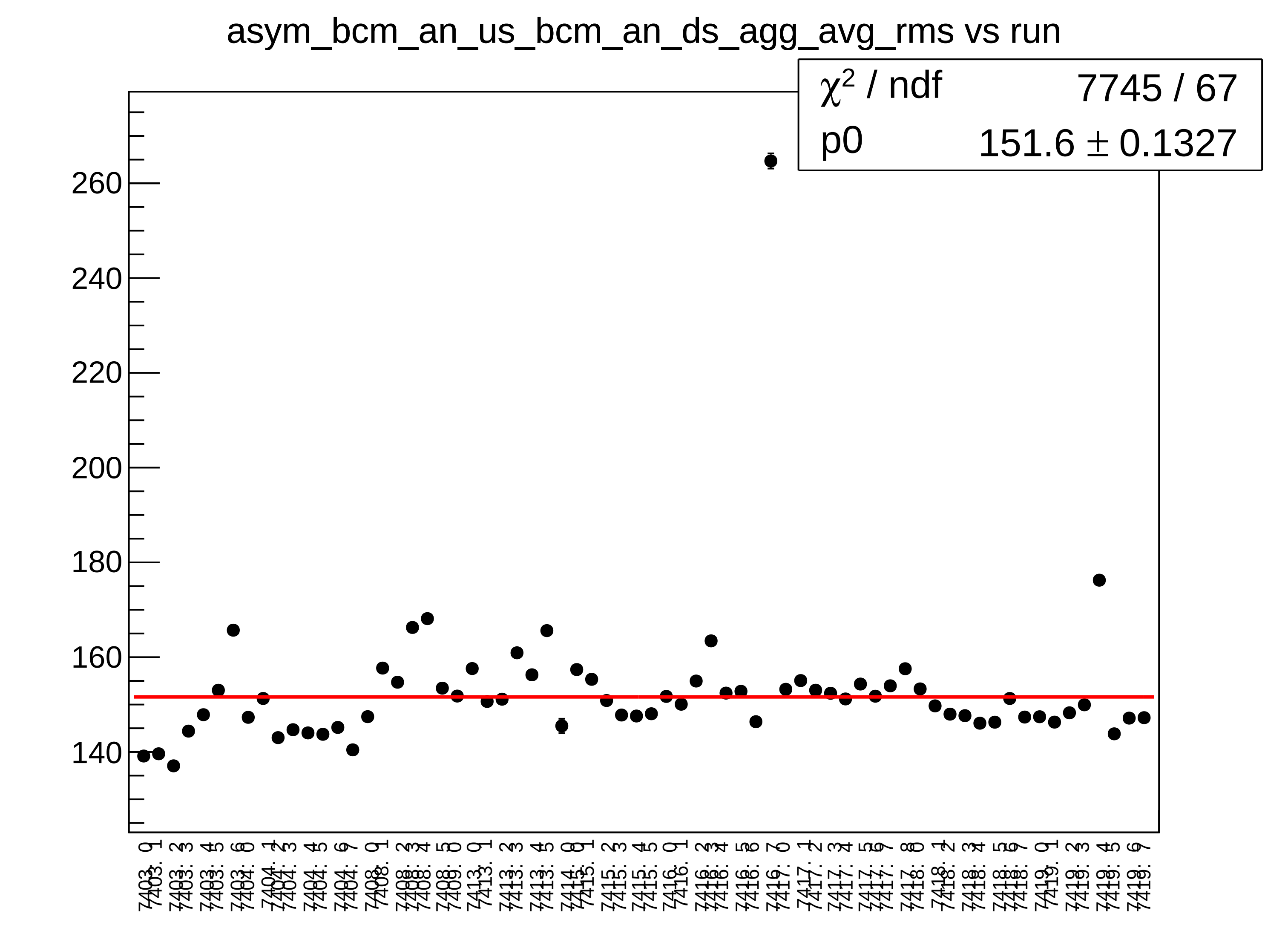

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 0 / 67
p0 0 ± 0.1213



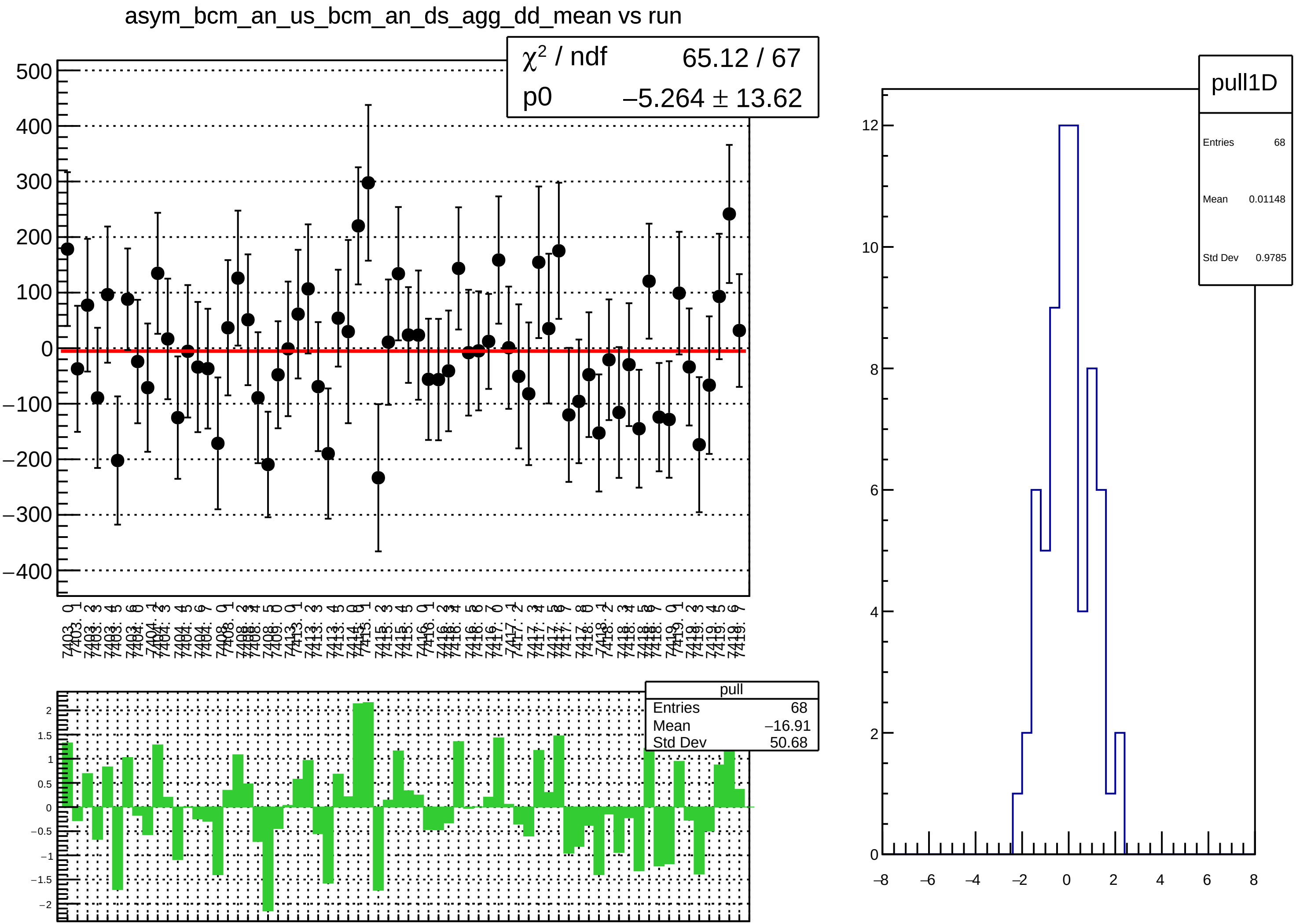
asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 63.84 / 67
p0 −1207 ± 1622
pull
Entries 68
Mean −77.29
Std Dev 108.8
pull1D
Entries 68
Mean −0.03433
Std Dev 0.9683

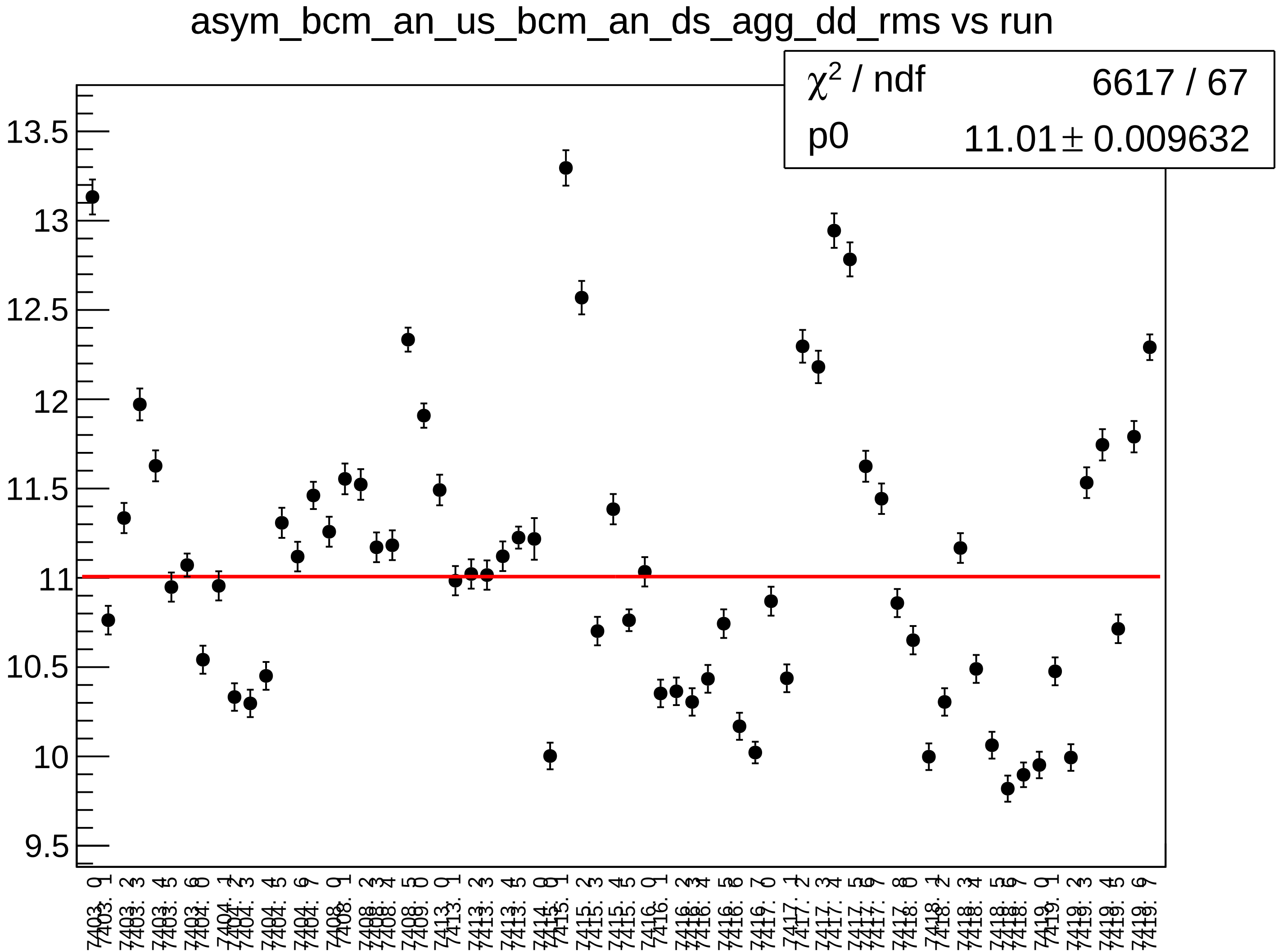

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1.127e+04 / 67
p0 1308 ± 1.147


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 17.12 / 67
p0 241.8 ± 187.7
pull
Entries 68
Mean −2437
Std Dev 2497
pull1D
Entries 68
Mean −0.0002708
Std Dev 0.5017

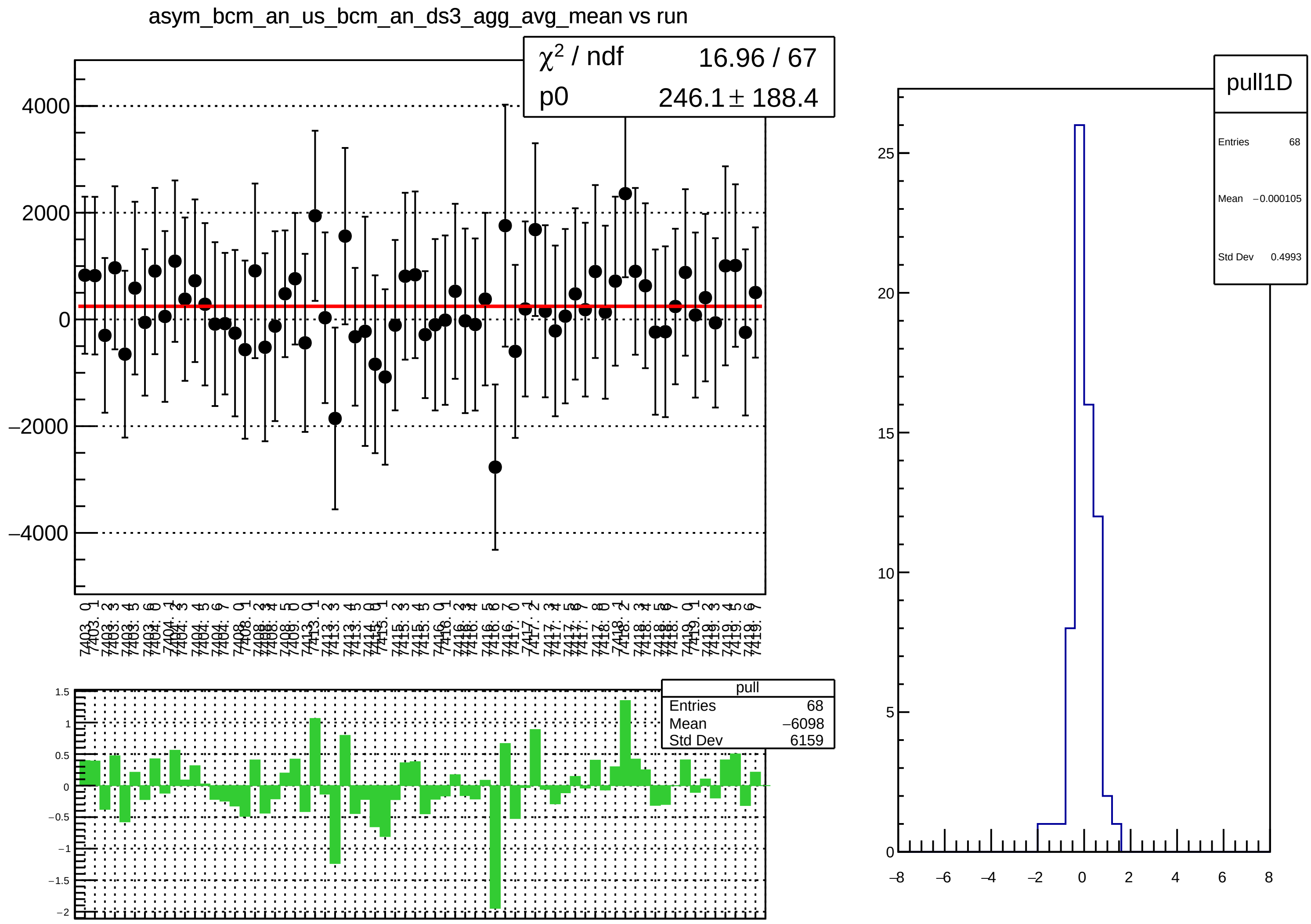


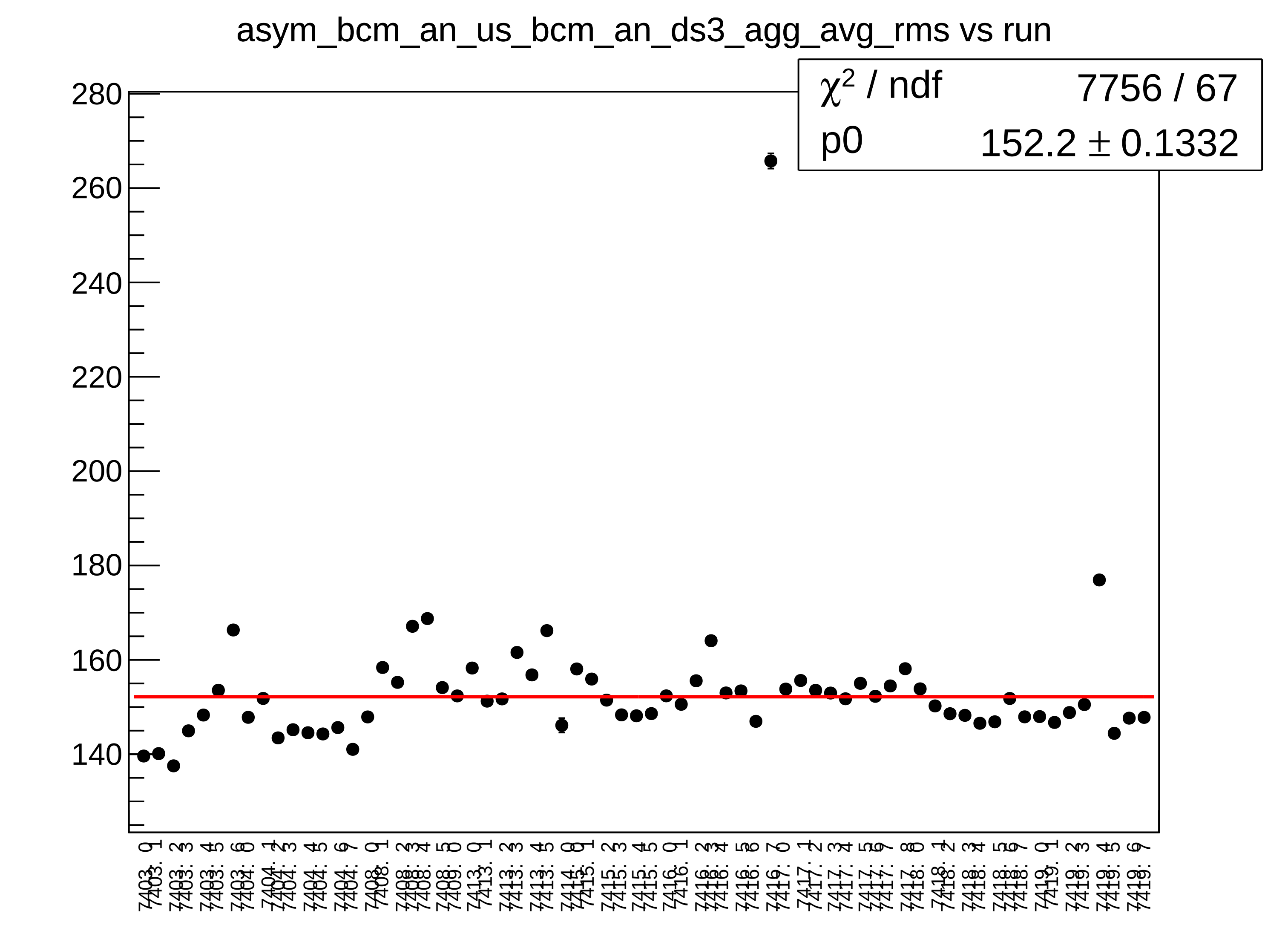
asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 7745 / 67
p0 151.6 ± 0.1327


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 65.12 / 67
p0 −5.264 ± 13.62
pull
Entries 68
Mean −16.91
Std Dev 50.68
pull1D
Entries 68
Mean 0.01148
Std Dev 0.9785

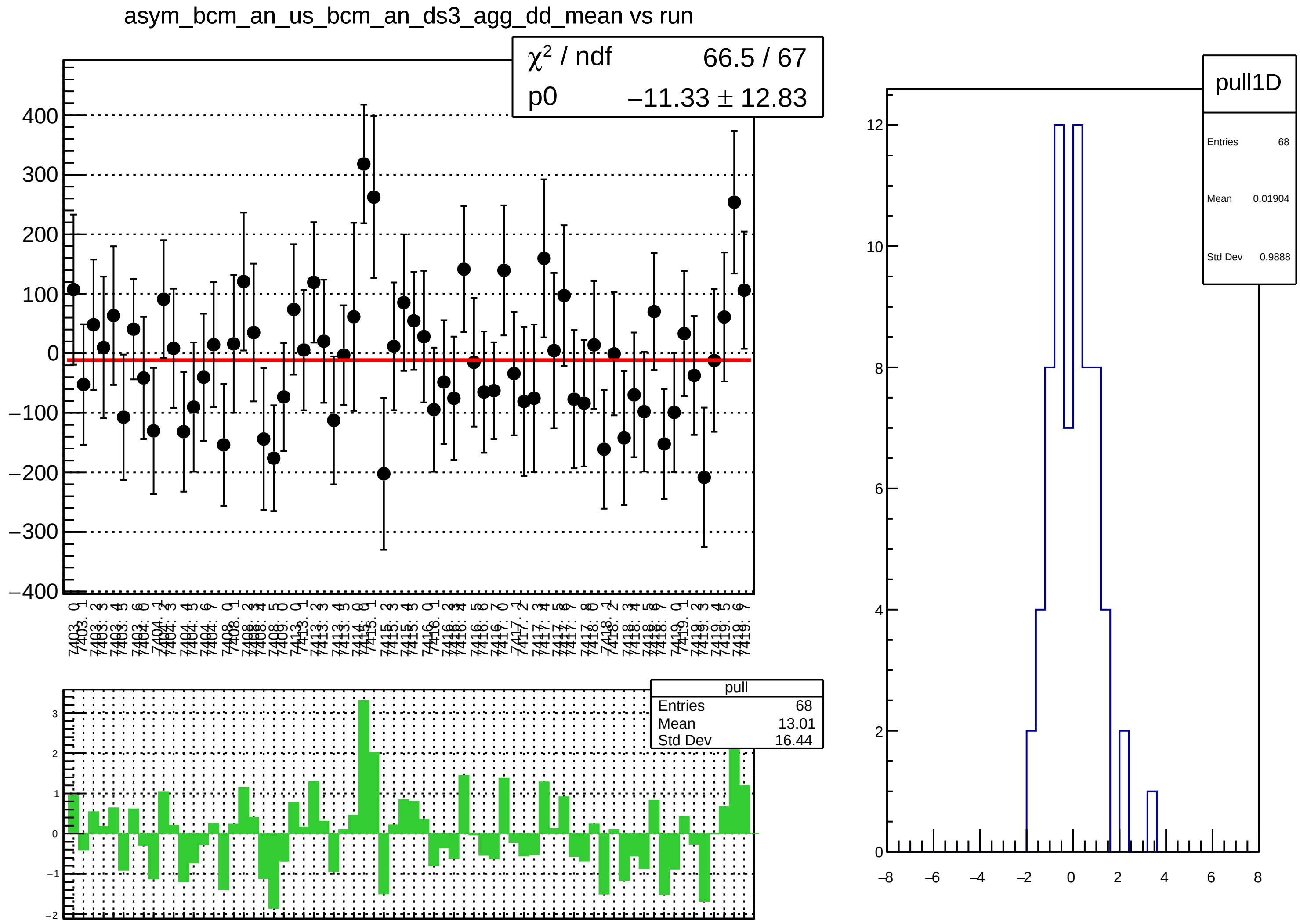


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 6617 / 67
p0 11.01 ± 0.009632
13.5
13
12.5
12
11.5
11
10.5
10
9.5

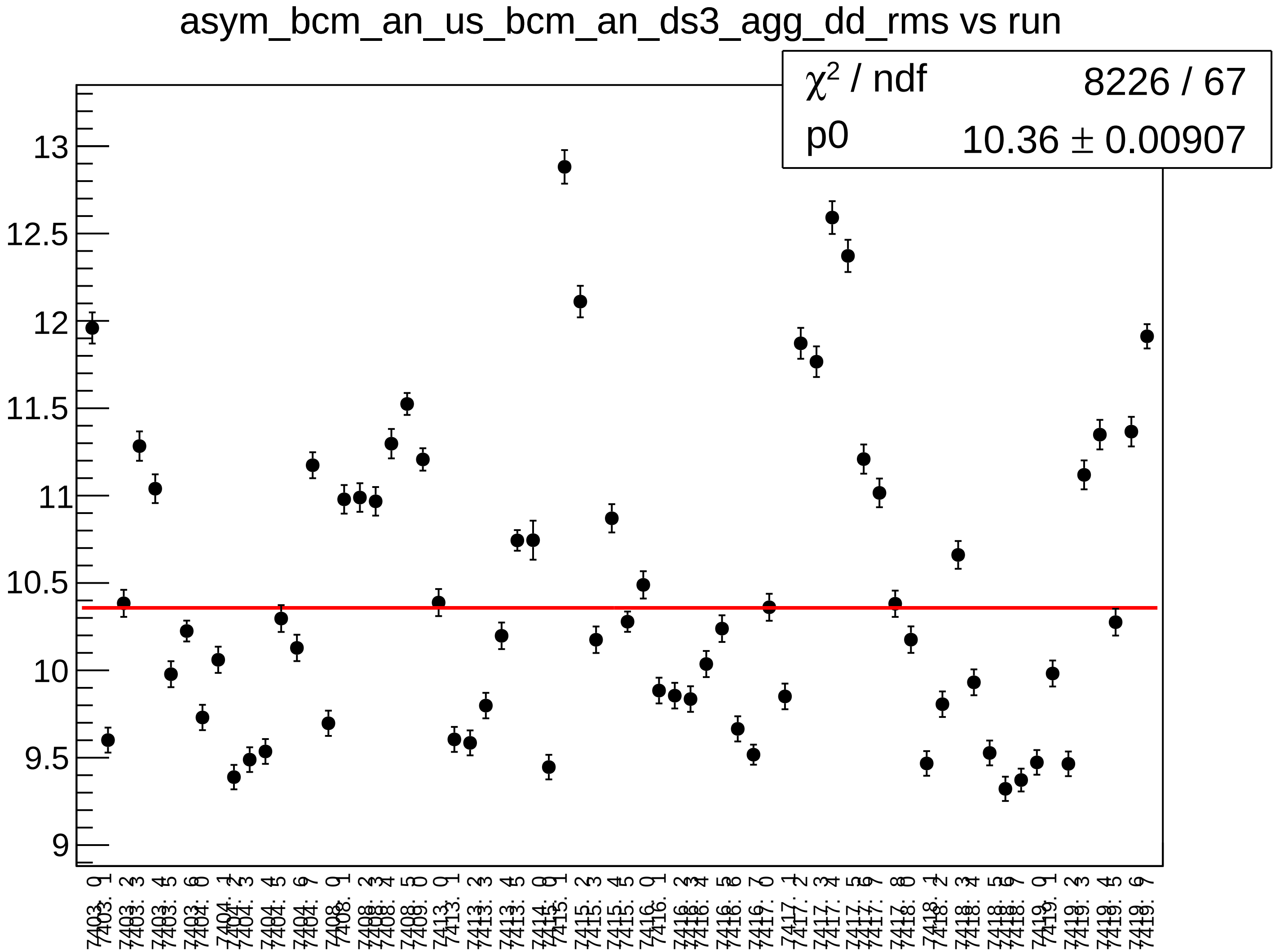

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 16.96 / 67
p0 246.1 ± 188.4
pull
Entries 68
Mean −6098
Std Dev 6159
pull1D
Entries 68
Mean −0.000105
Std Dev 0.4993



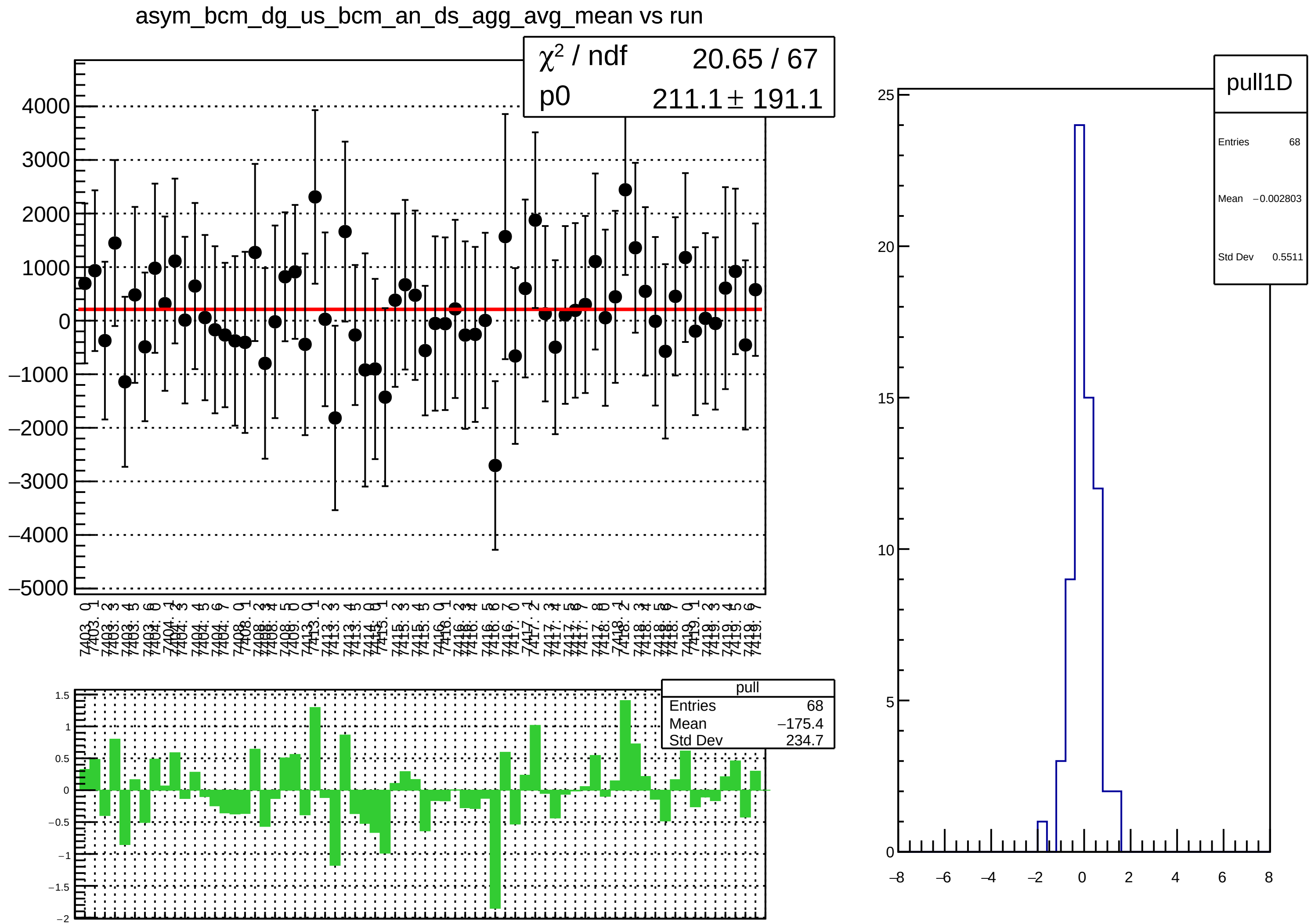
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 7756 / 67
p0 152.2 ± 0.1332
280
260
240
220
200
180
160
140



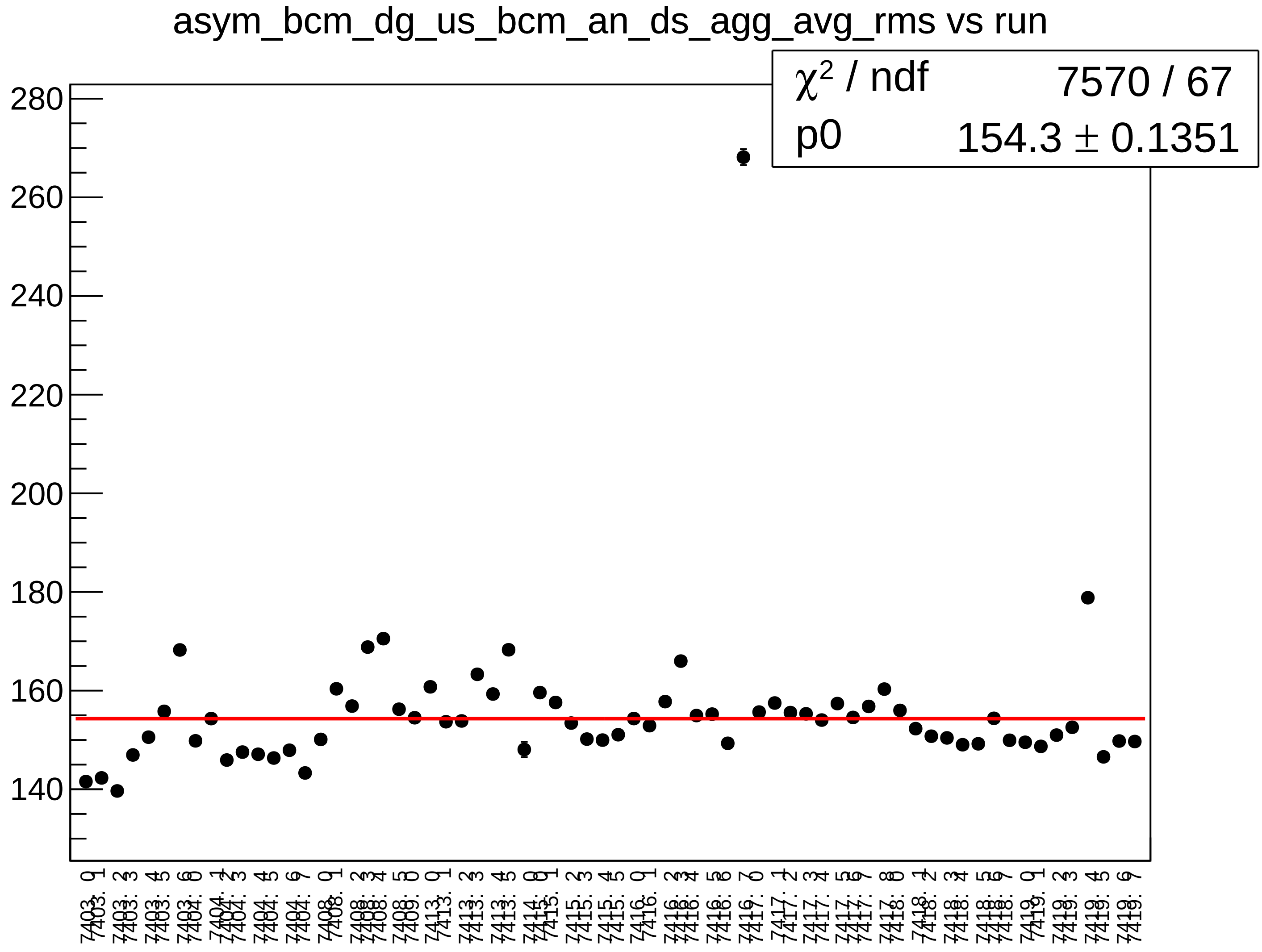
asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ^2 / ndf 66.5 / 67
p0 −11.33 ± 12.83
pull
Entries 68
Mean 13.01
Std Dev 16.44
pull1D
Entries 68
Mean 0.01904
Std Dev 0.9888

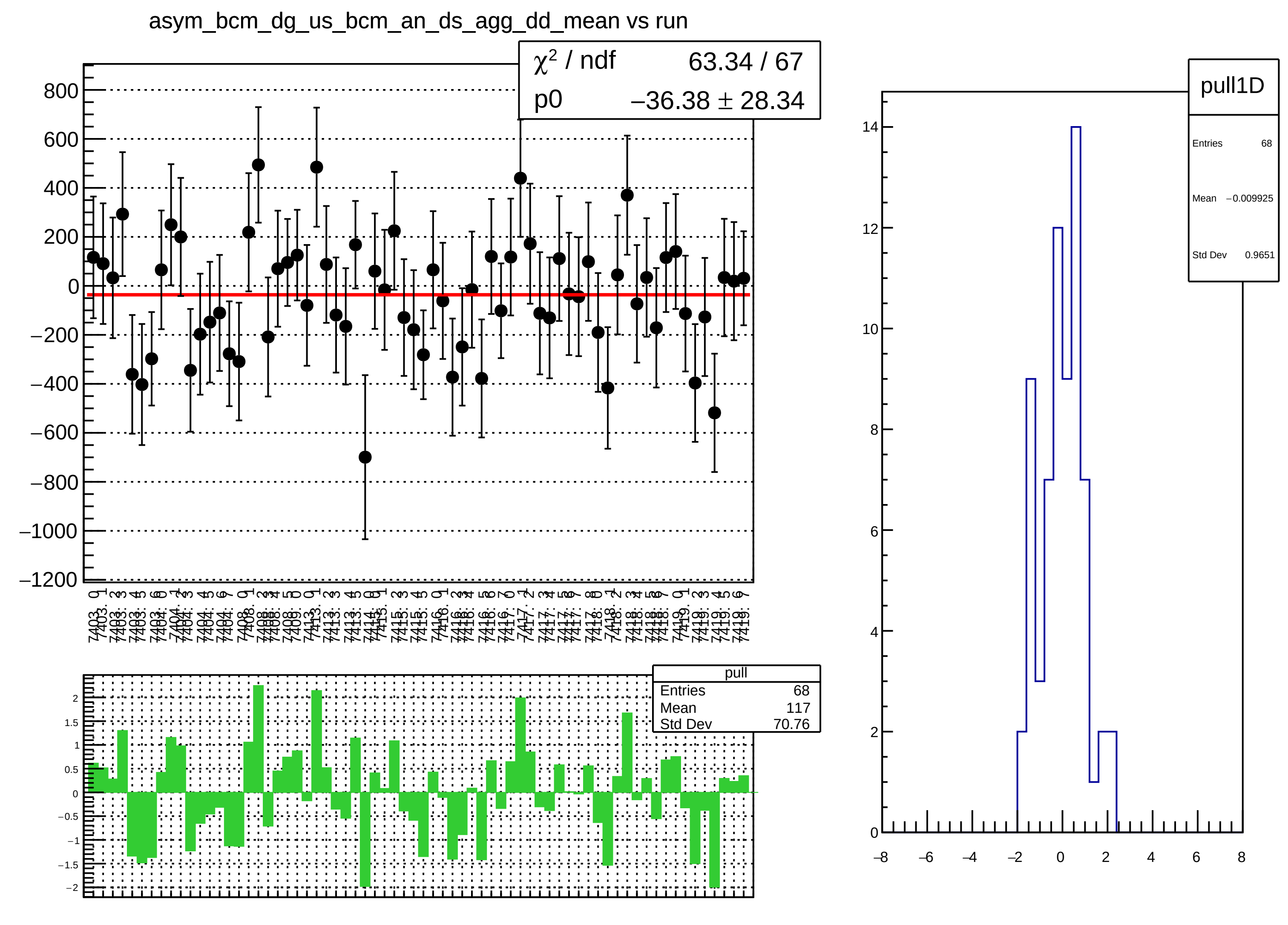


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 8226 / 67
p0 10.36 ± 0.00907
13
12.5
12
11.5
11
10.5
10
9.5
9

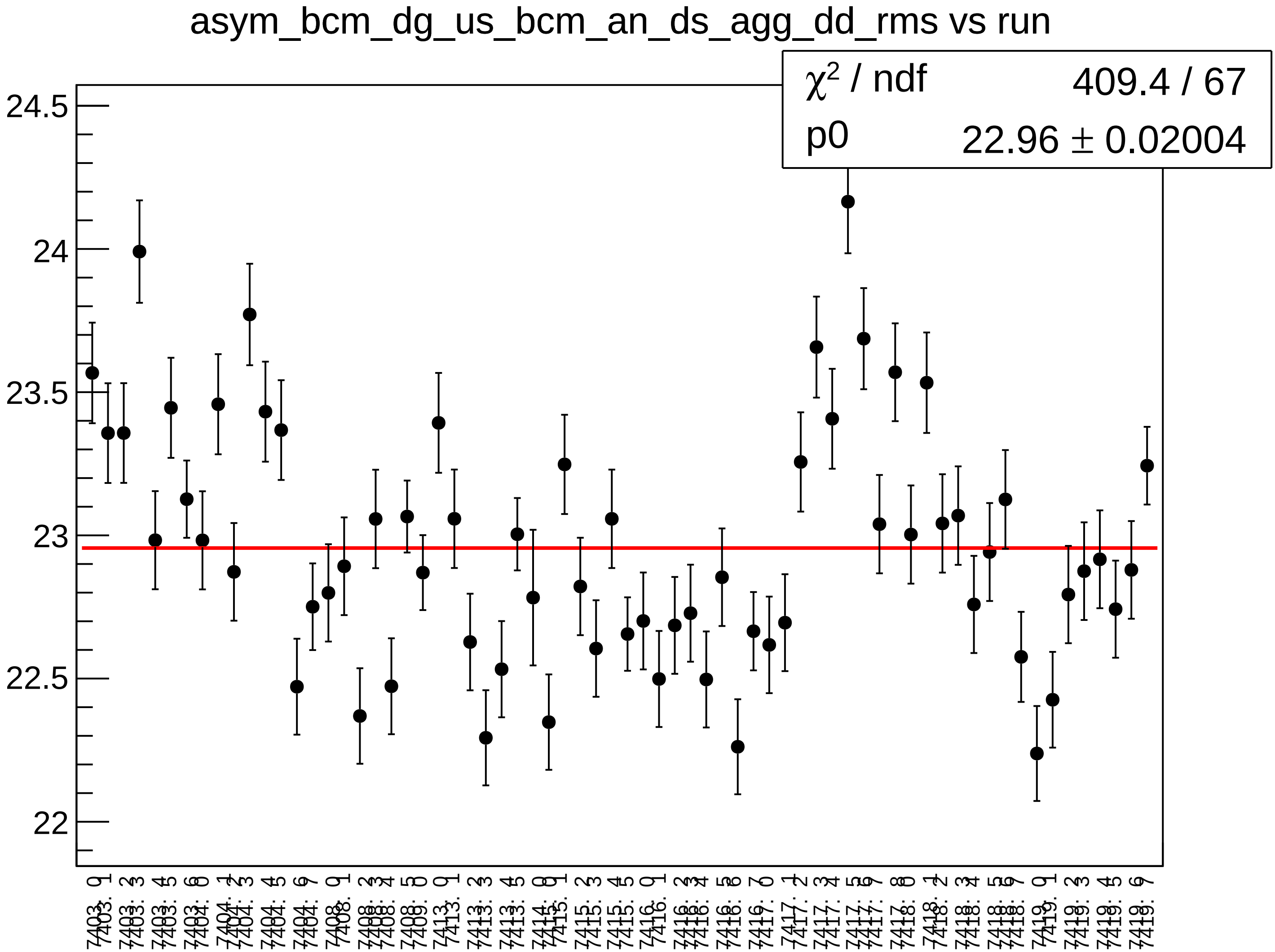


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 20.65 / 67
p0 211.1 ± 191.1
pull
Entries 68
Mean −175.4
Std Dev 234.7
pull1D
Entries 68
Mean −0.002803
Std Dev 0.5511

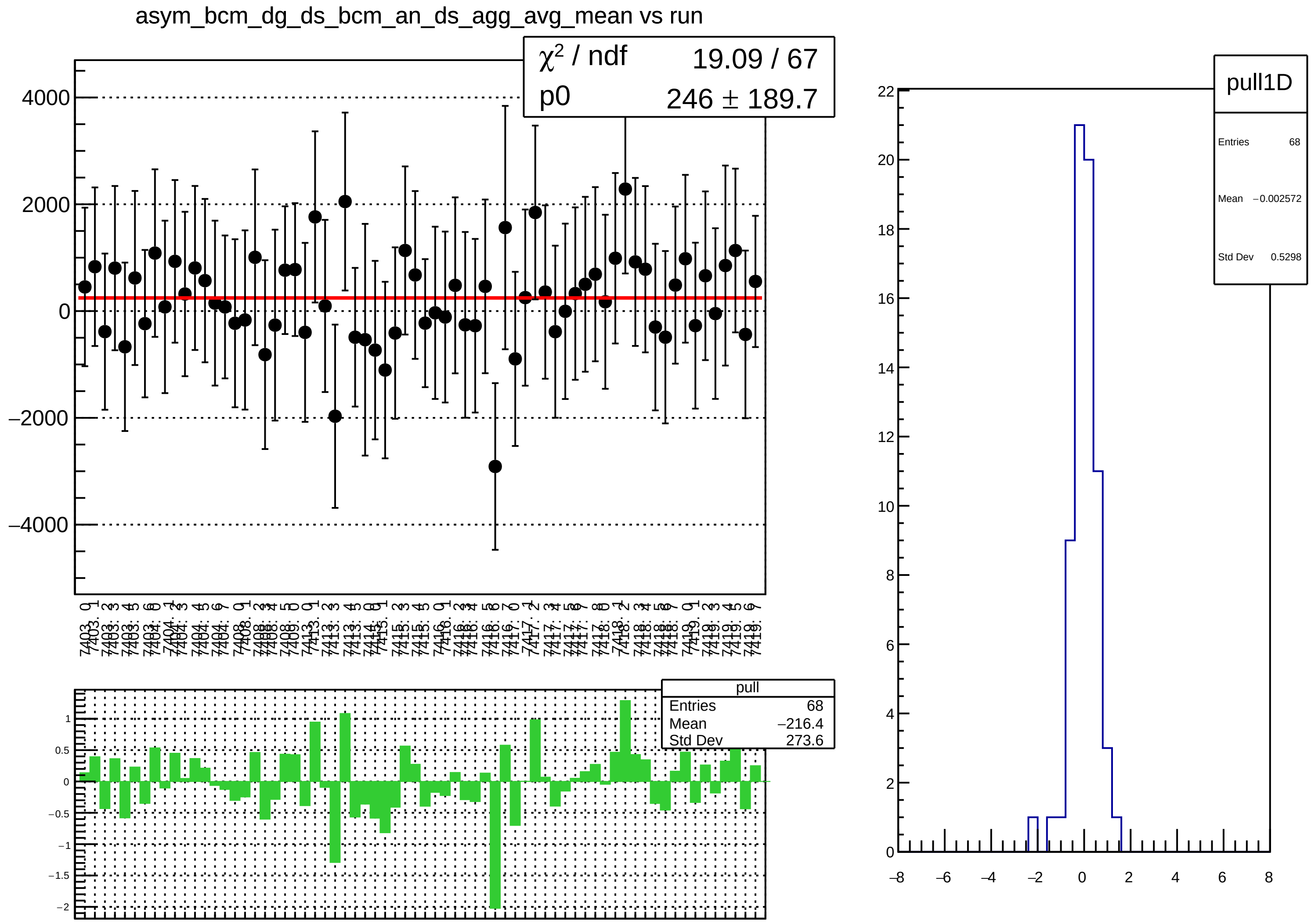

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 7570 / 67
p0 154.3 ± 0.1351
280
260
240
220
200
180
160
140



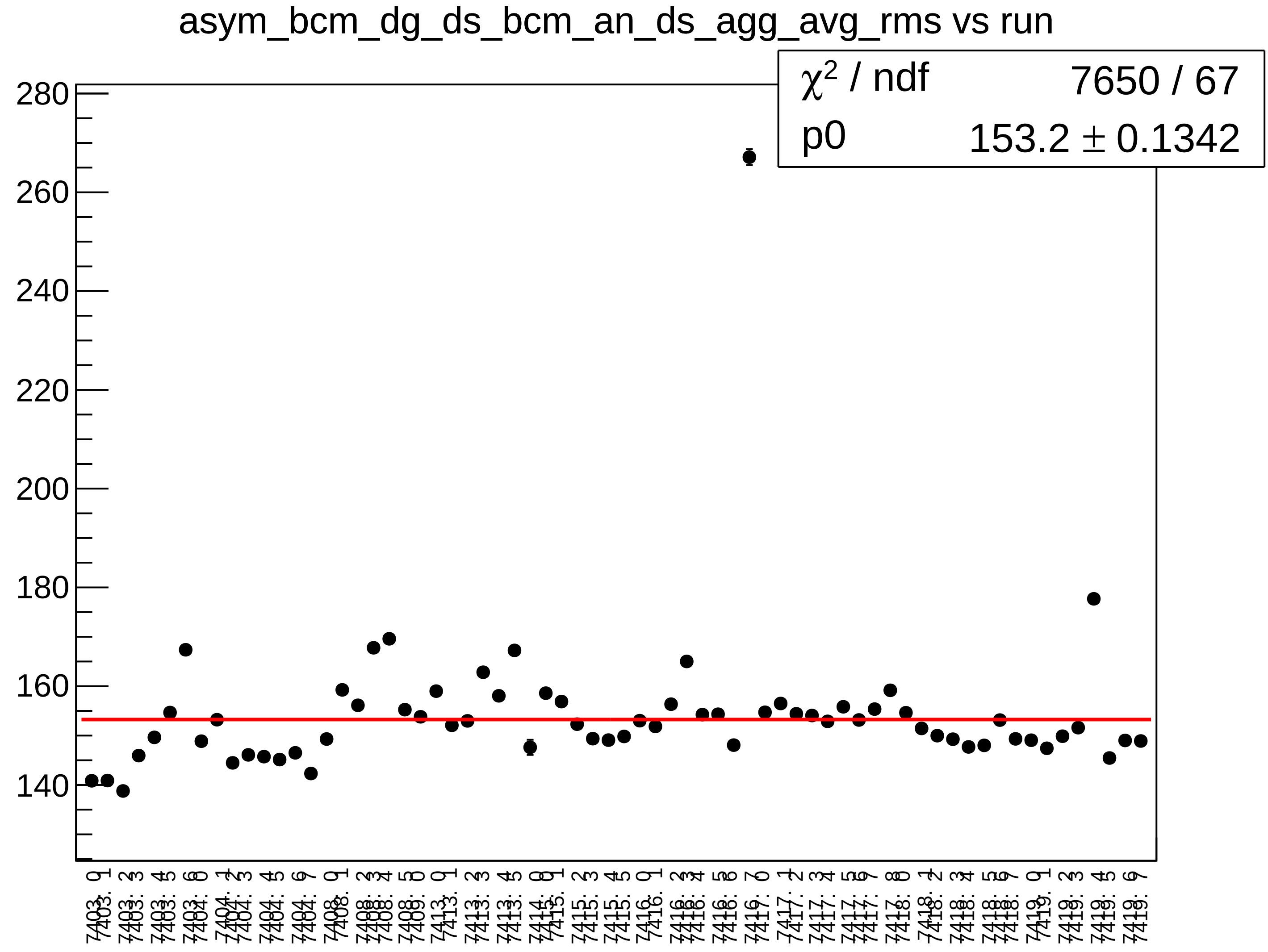
asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 63.34 / 67
p0 −36.38 ± 28.34
pull
Entries 68
Mean 117
Std Dev 70.76
pull1D
Entries 68
Mean −0.009925
Std Dev 0.9651



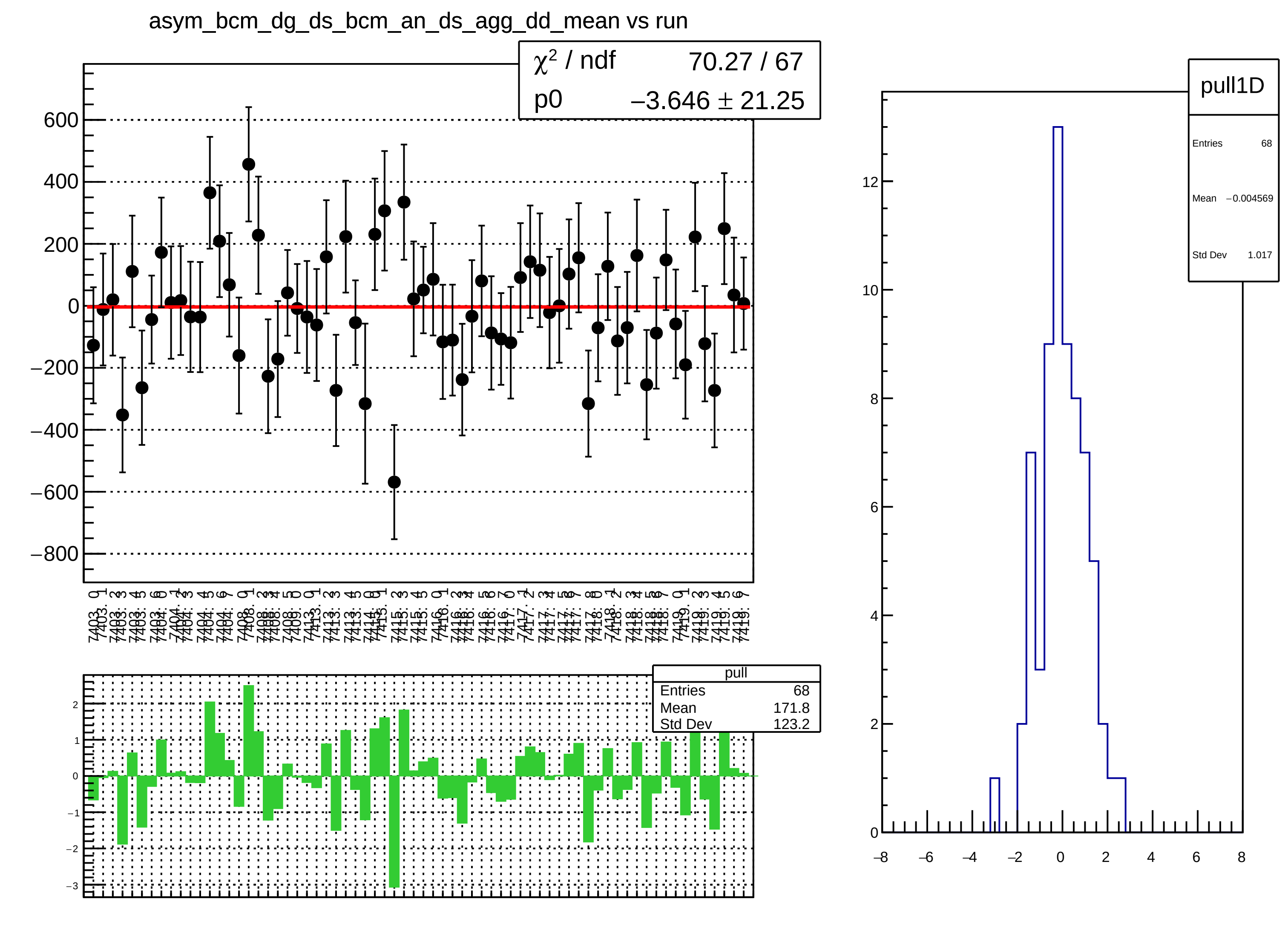
asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 409.4 / 67
p0 22.96 ± 0.02004



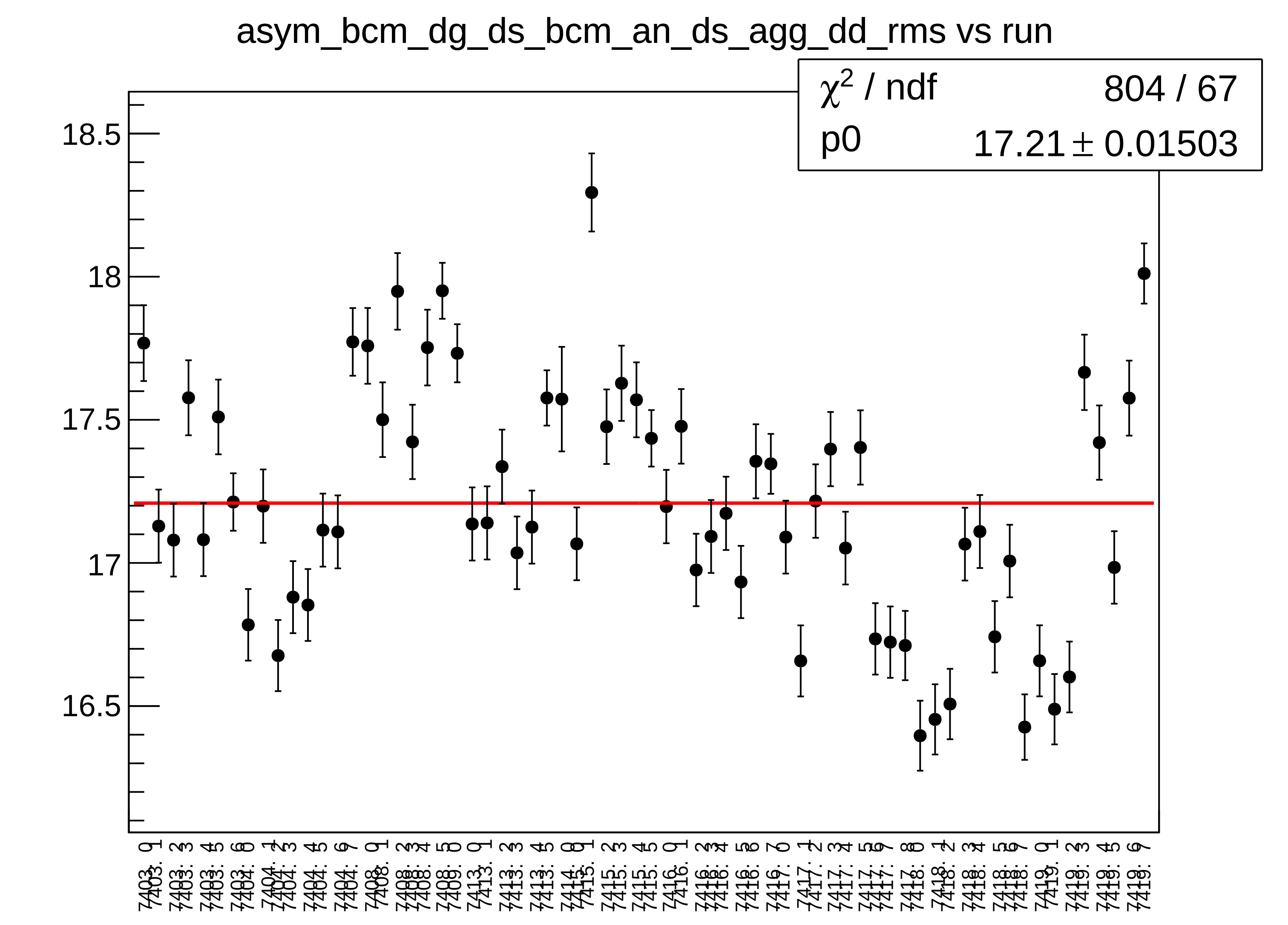
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 19.09 / 67
p0 246 ± 189.7
pull
Entries 68
Mean −216.4
Std Dev 273.6
pull1D
Entries 68
Mean −0.002572
Std Dev 0.5298



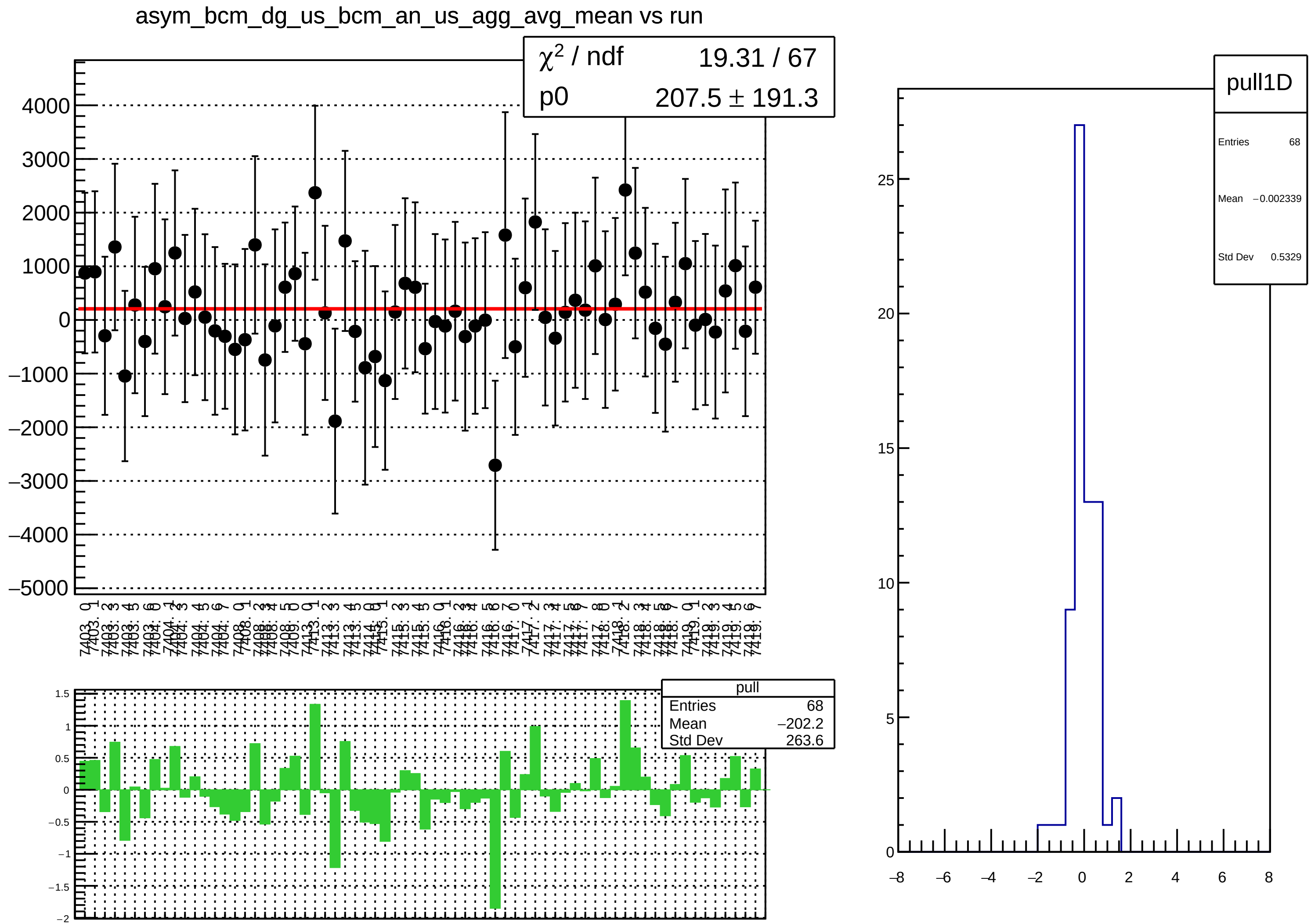
asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 7650 / 67
p0 153.2 ± 0.1342
280
260
240
220
200
180
160
140

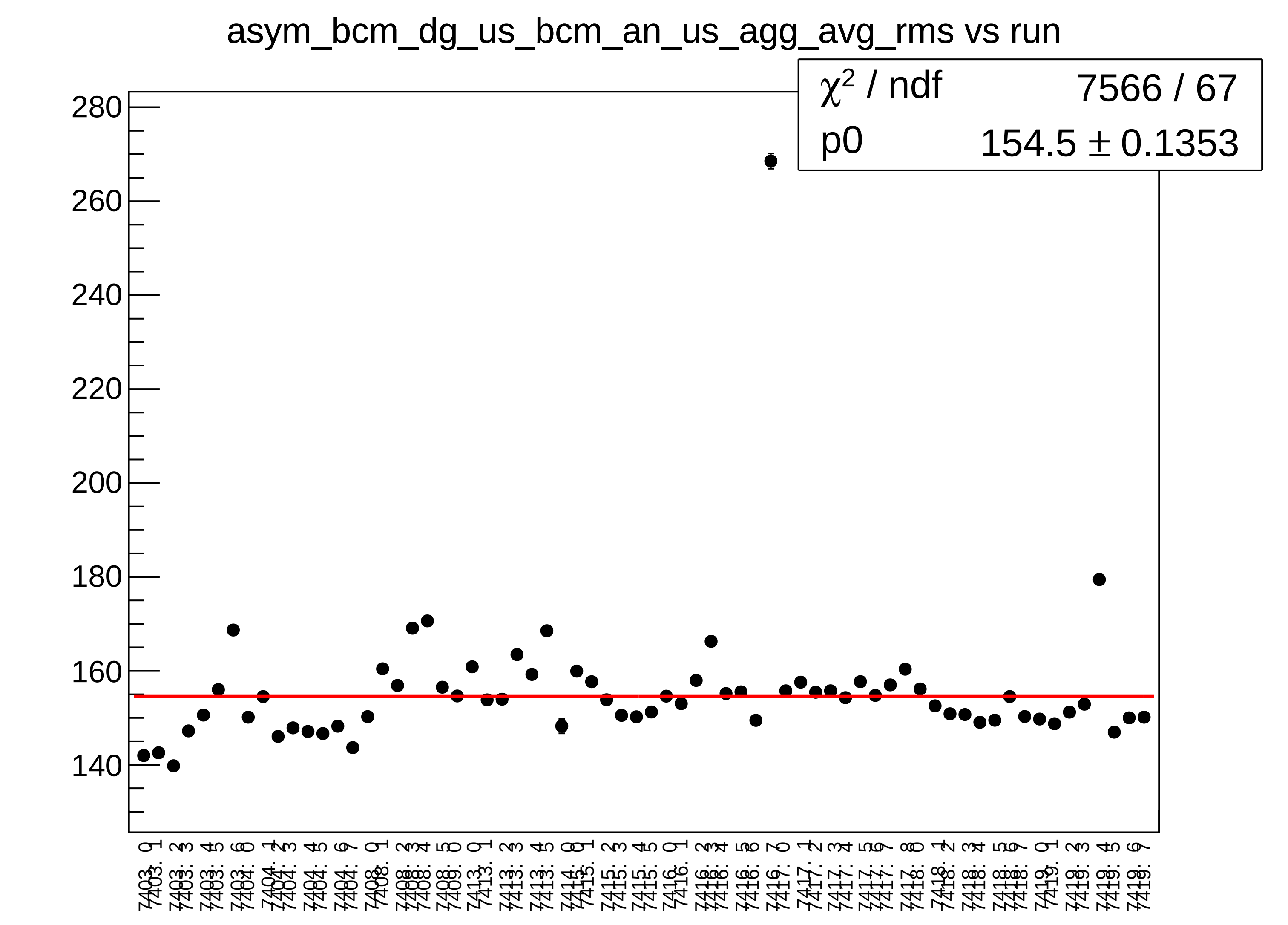


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 70.27 / 67
p0 −3.646 ± 21.25
pull
Entries 68
Mean 171.8
Std Dev 123.2
pull1D
Entries 68
Mean −0.004569
Std Dev 1.017

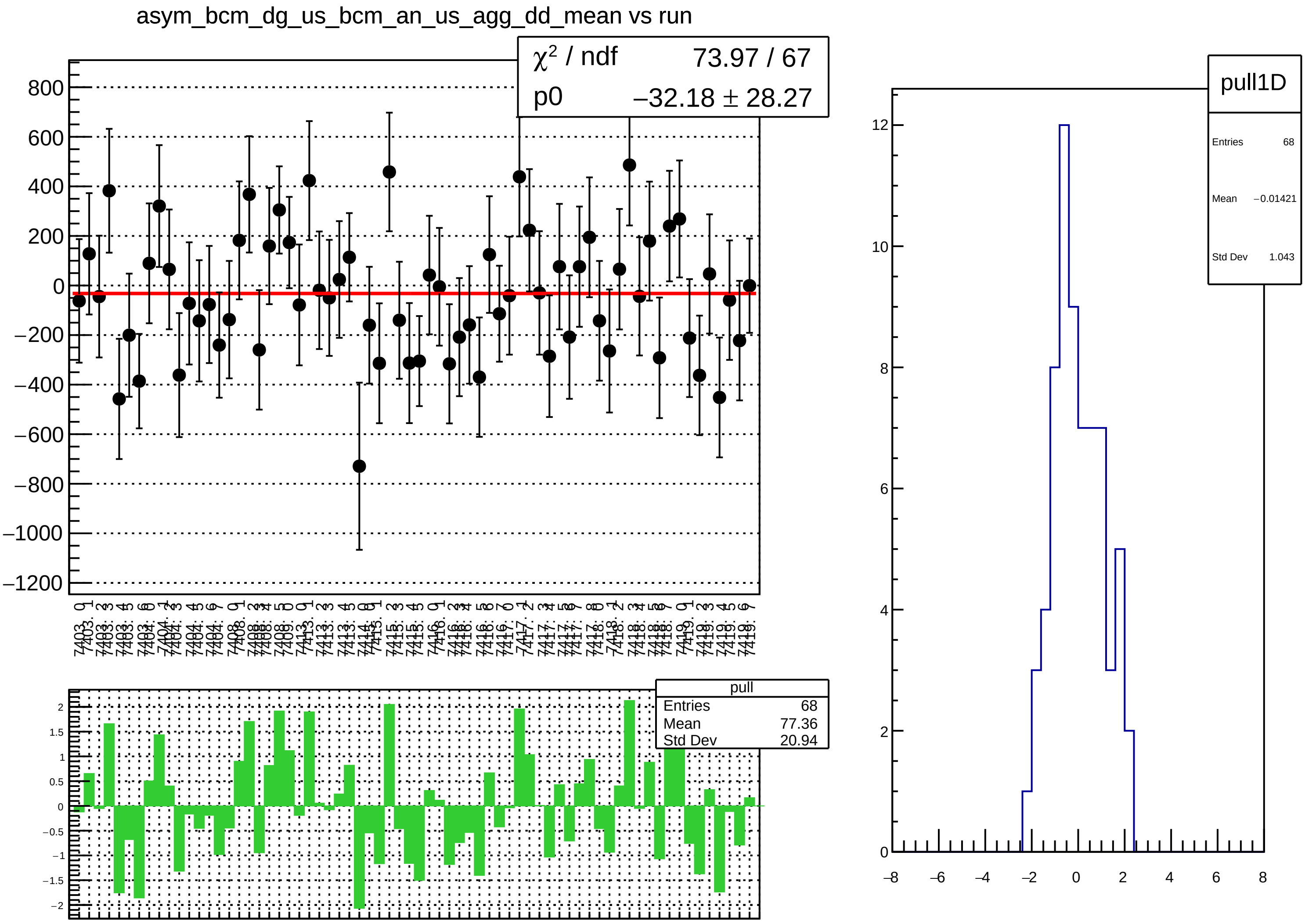


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 804 / 67
p0 17.21 ± 0.01503
18.5
18
17.5
17
16.5

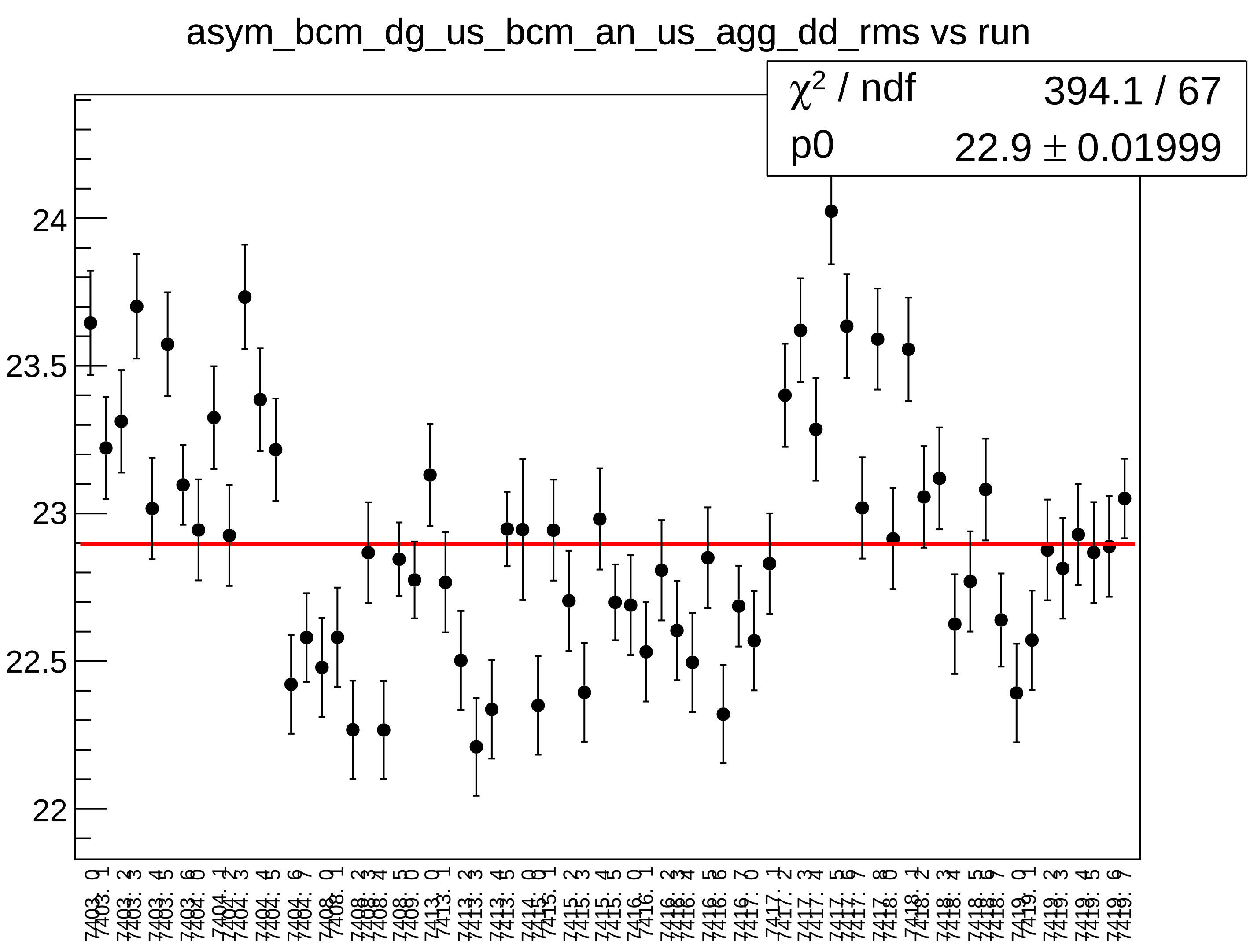

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 19.31 / 67
p0 207.5 ± 191.3
pull
Entries 68
Mean −202.2
Std Dev 263.6
pull1D
Entries 68
Mean −0.002339
Std Dev 0.5329

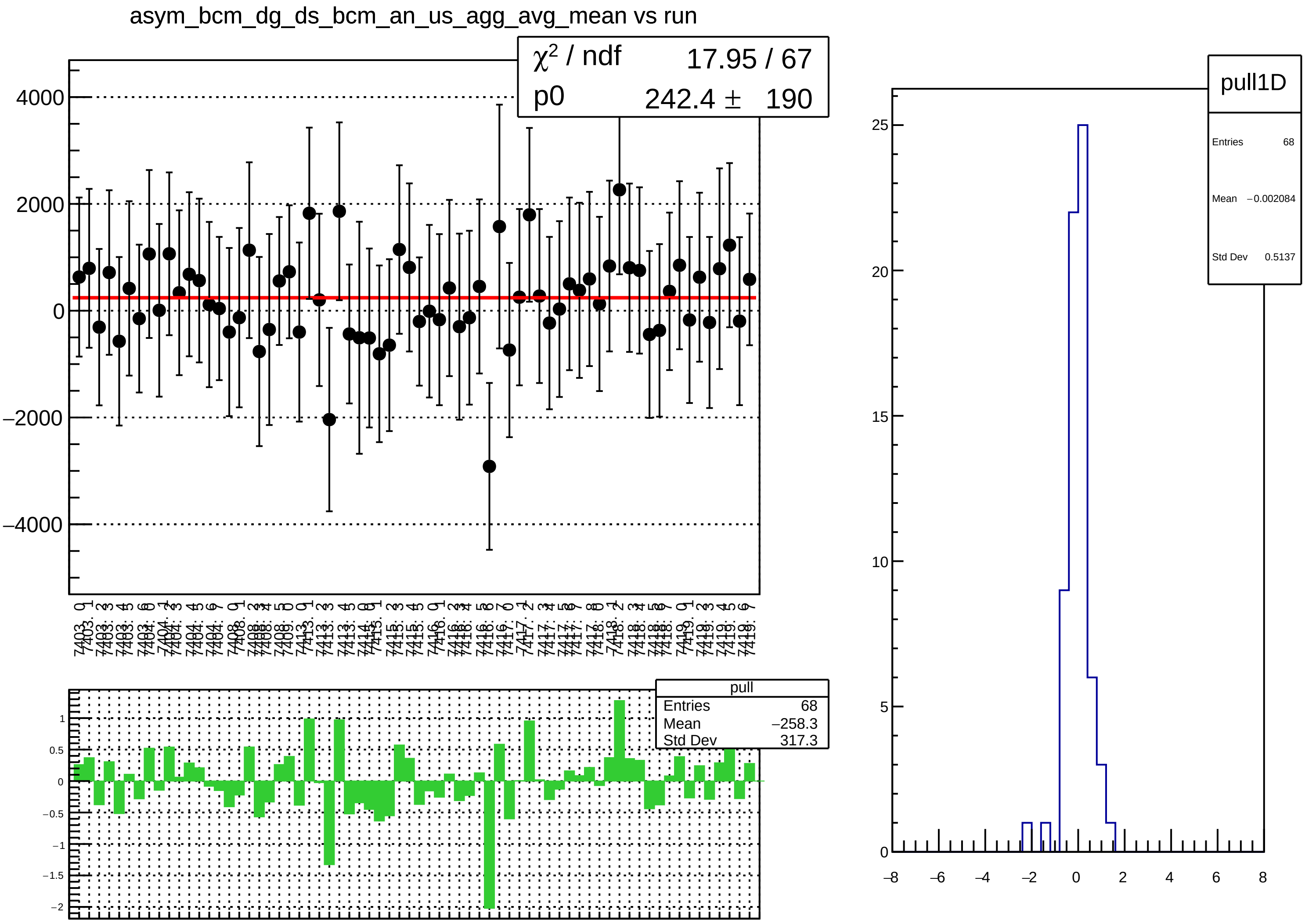


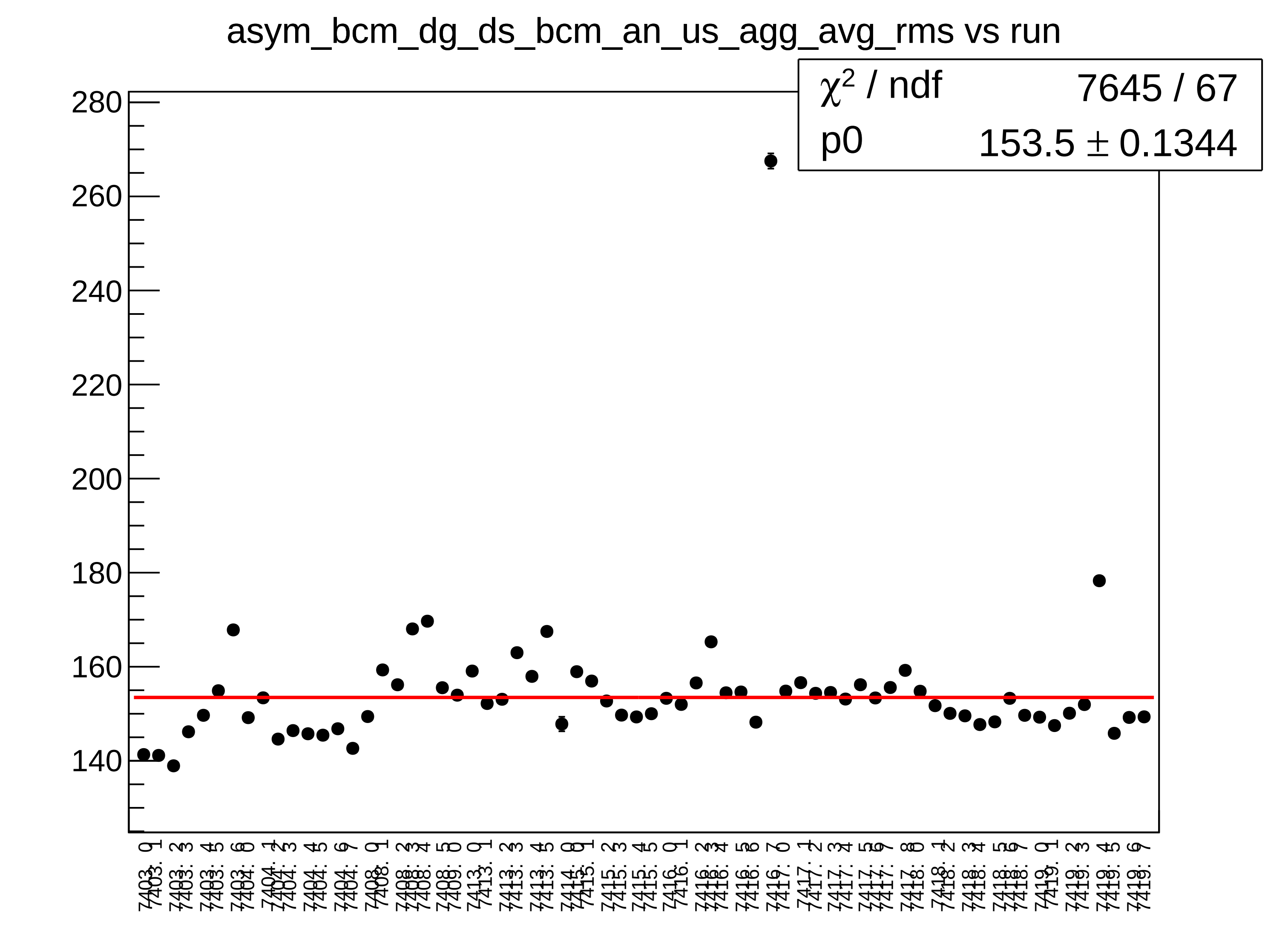
asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 7566 / 67
p0 154.5 ± 0.1353
280
260
240
220
200
180
160
140

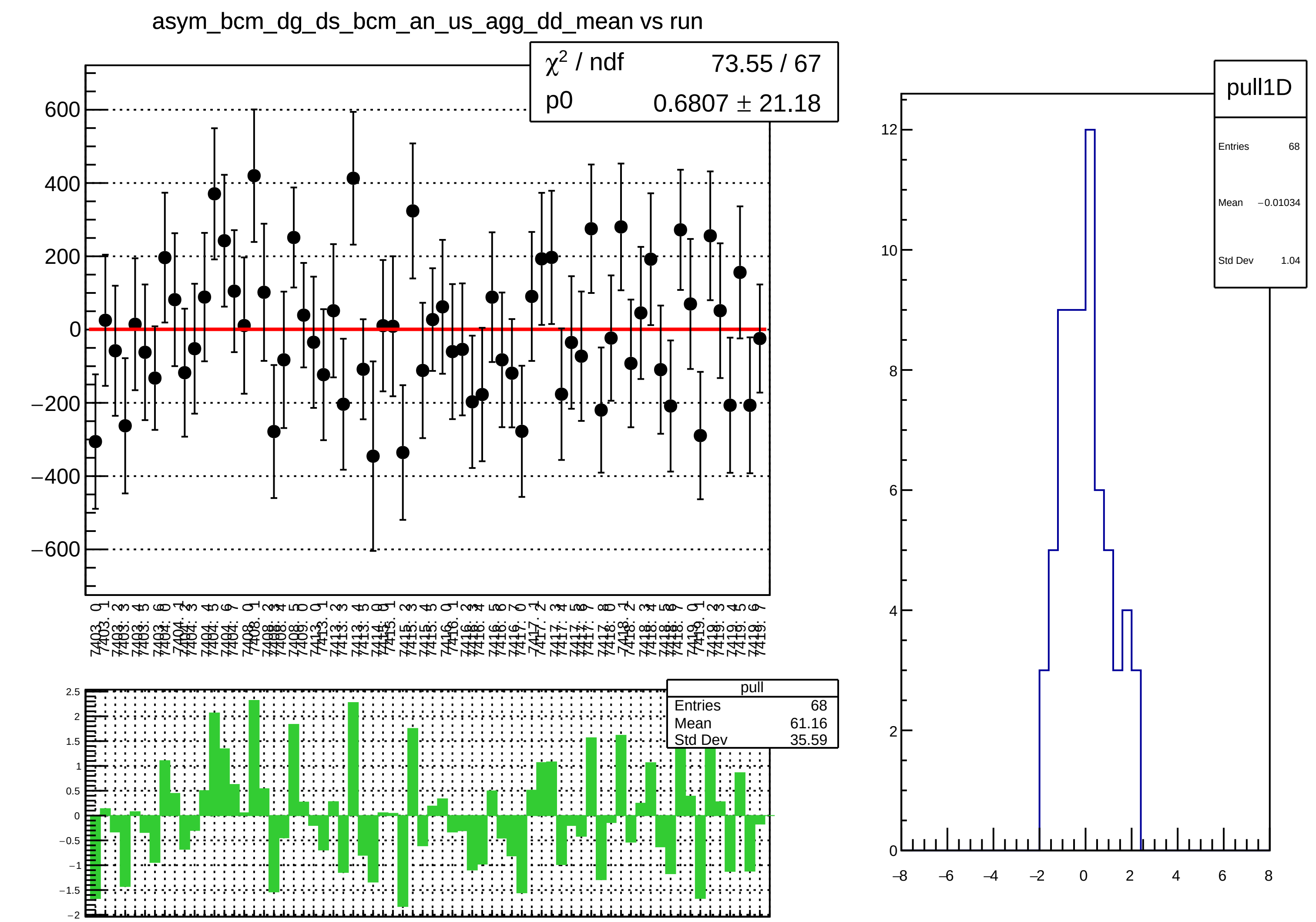


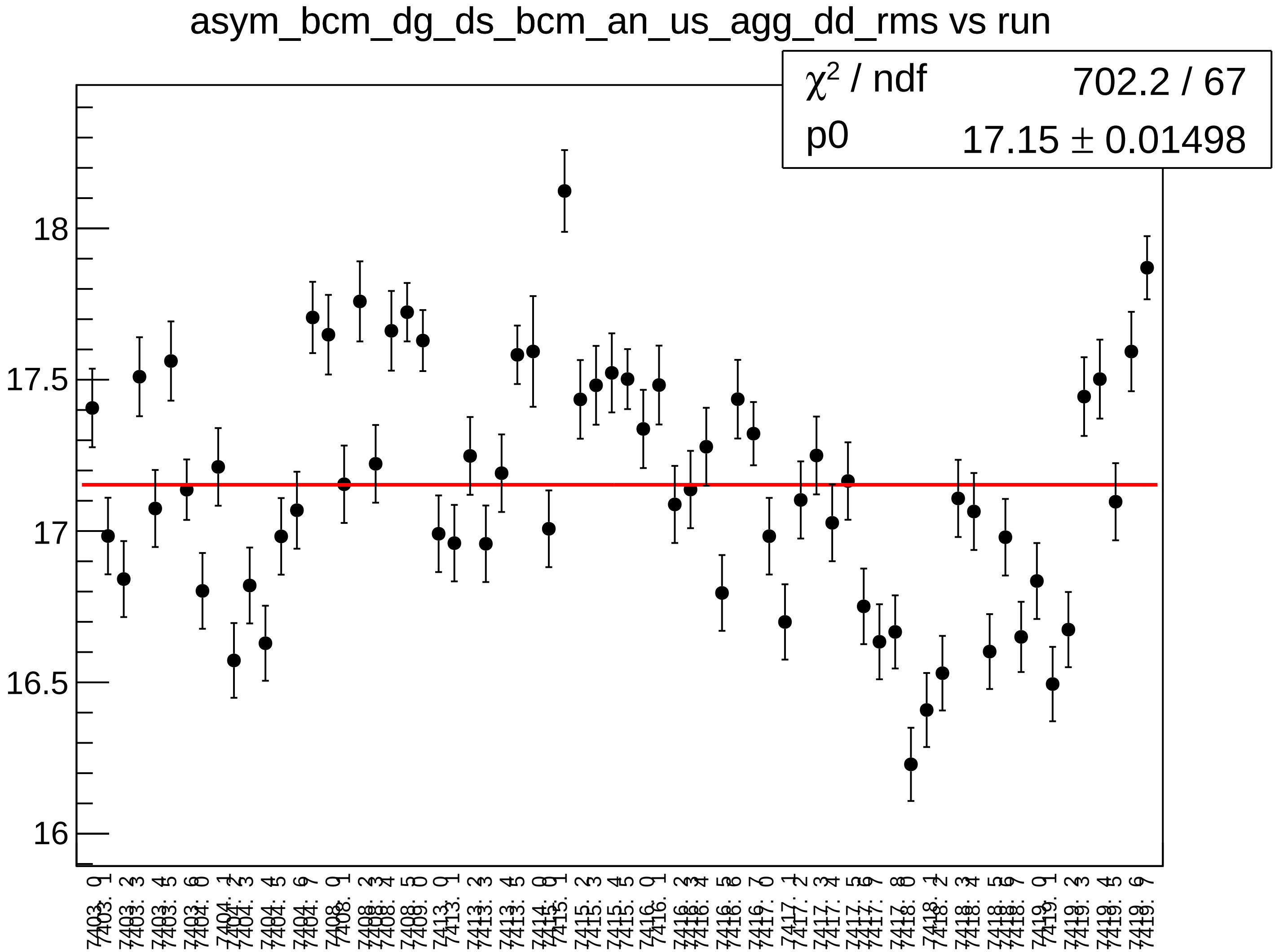
asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 73.97 / 67
p0 −32.18 ± 28.27
pull
Entries 68
Mean 77.36
Std Dev 20.94
pull1D
Entries 68
Mean −0.01421
Std Dev 1.043

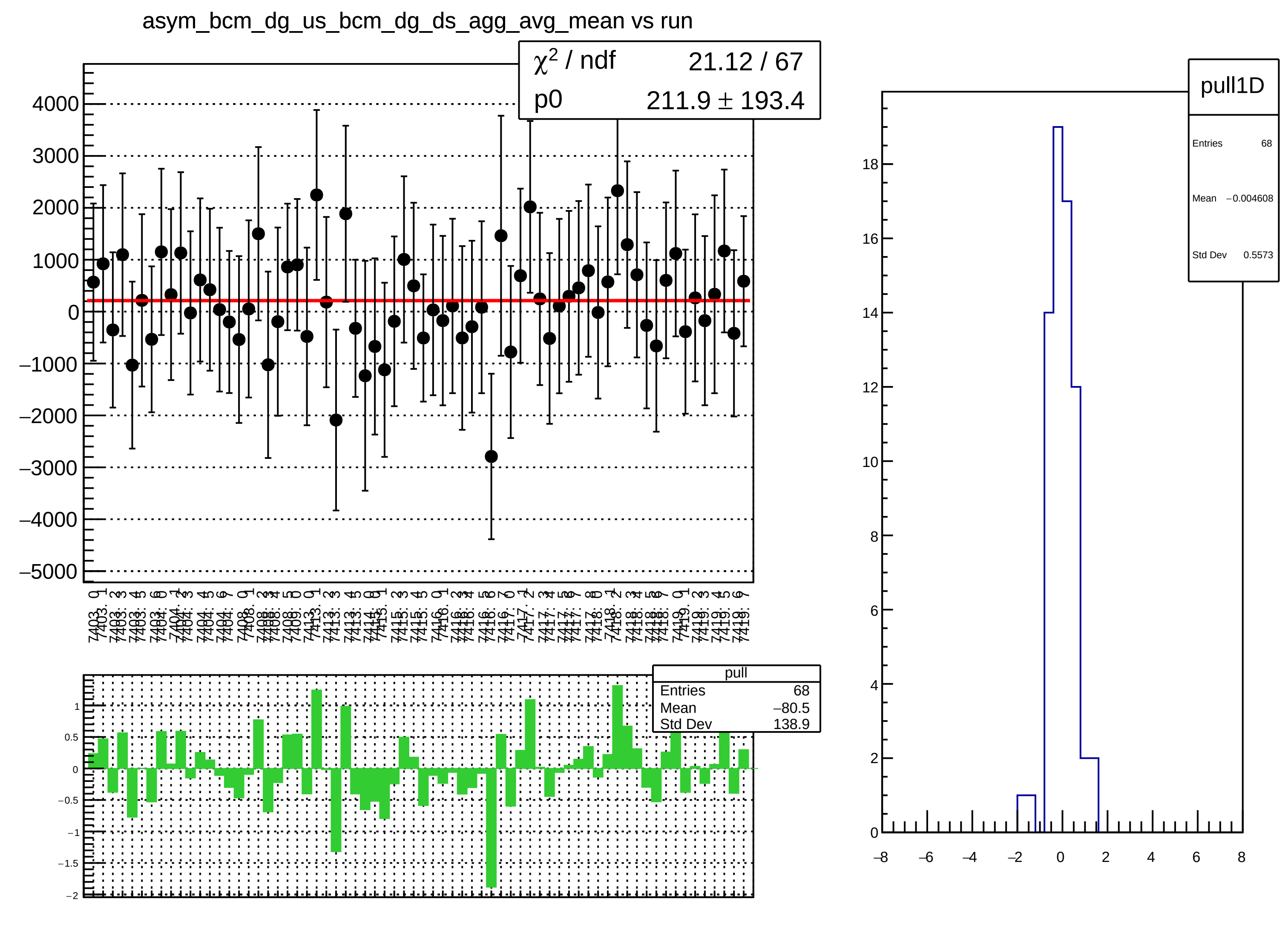

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 394.1 / 67
p0 22.9 ± 0.01999


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 17.95 / 67
p0 242.4 ± 190
pull
Entries 68
Mean −258.3
Std Dev 317.3
pull1D
Entries 68
Mean −0.002084
Std Dev 0.5137

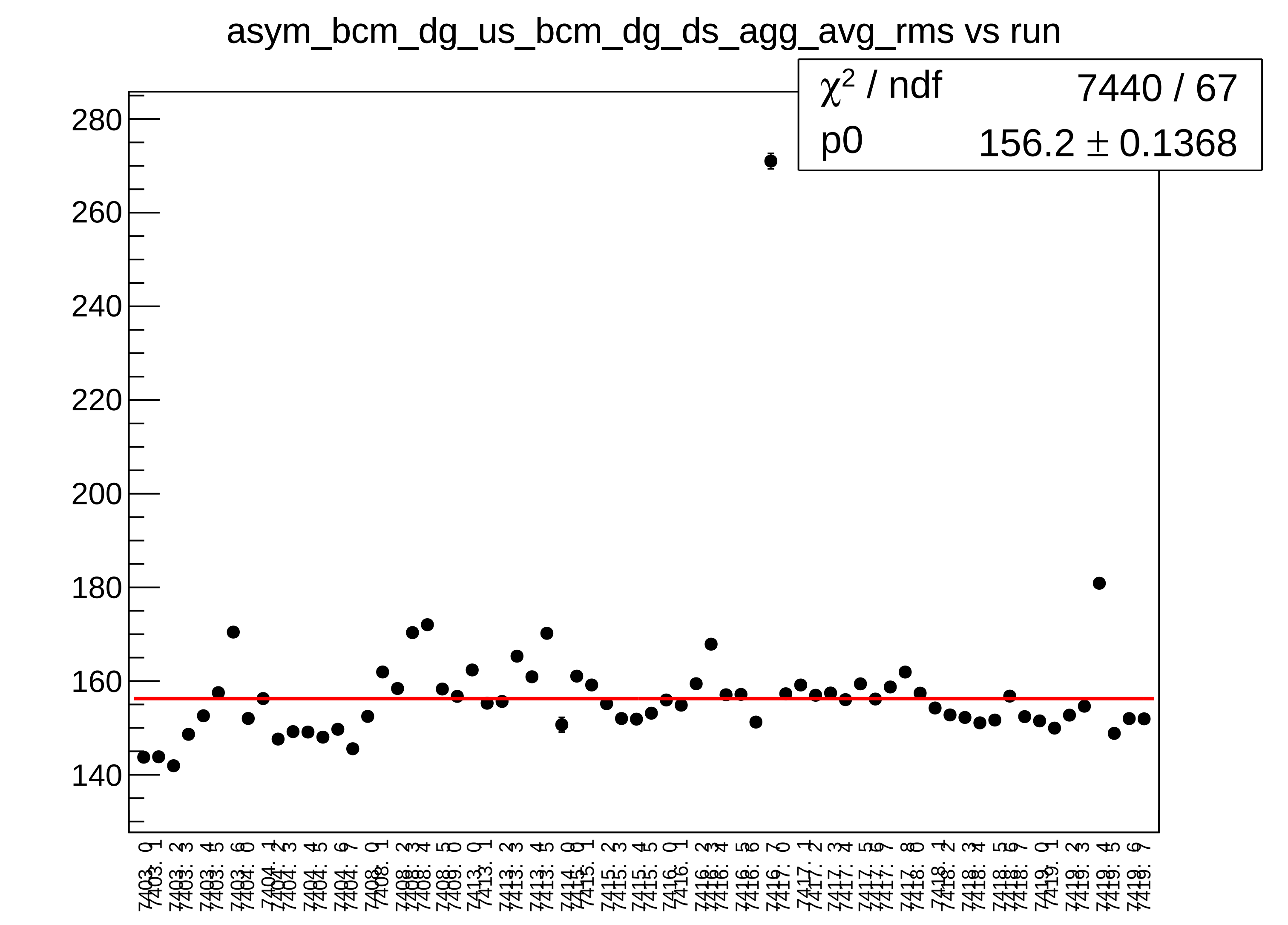

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 7645 / 67
p0 153.5 ± 0.1344
280
260
240
220
200
180
160
140

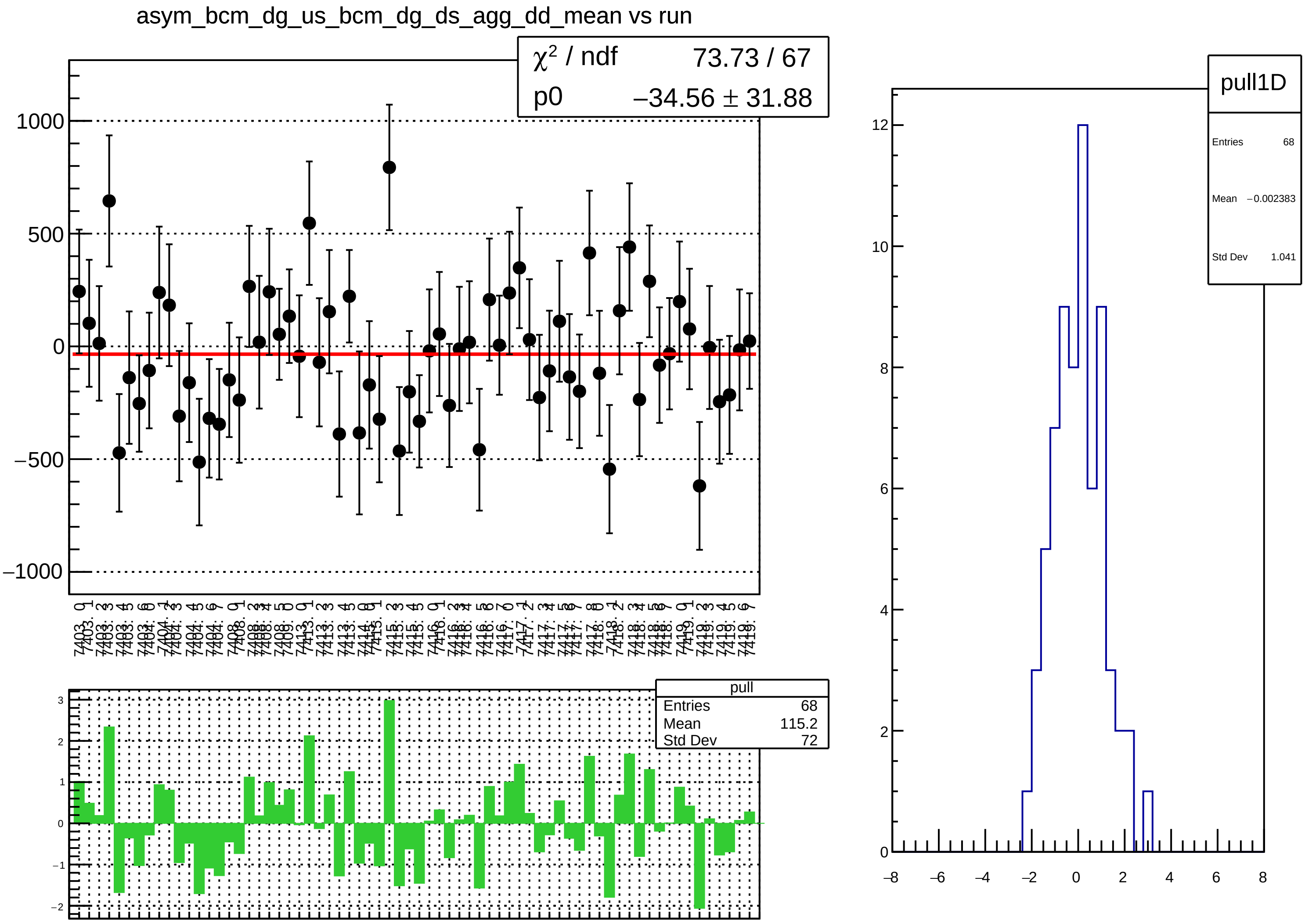

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 73.55 / 67
p0 0.6807 ± 21.18
pull
Entries 68
Mean 61.16
Std Dev 35.59
pull1D
Entries 68
Mean −0.01034
Std Dev 1.04

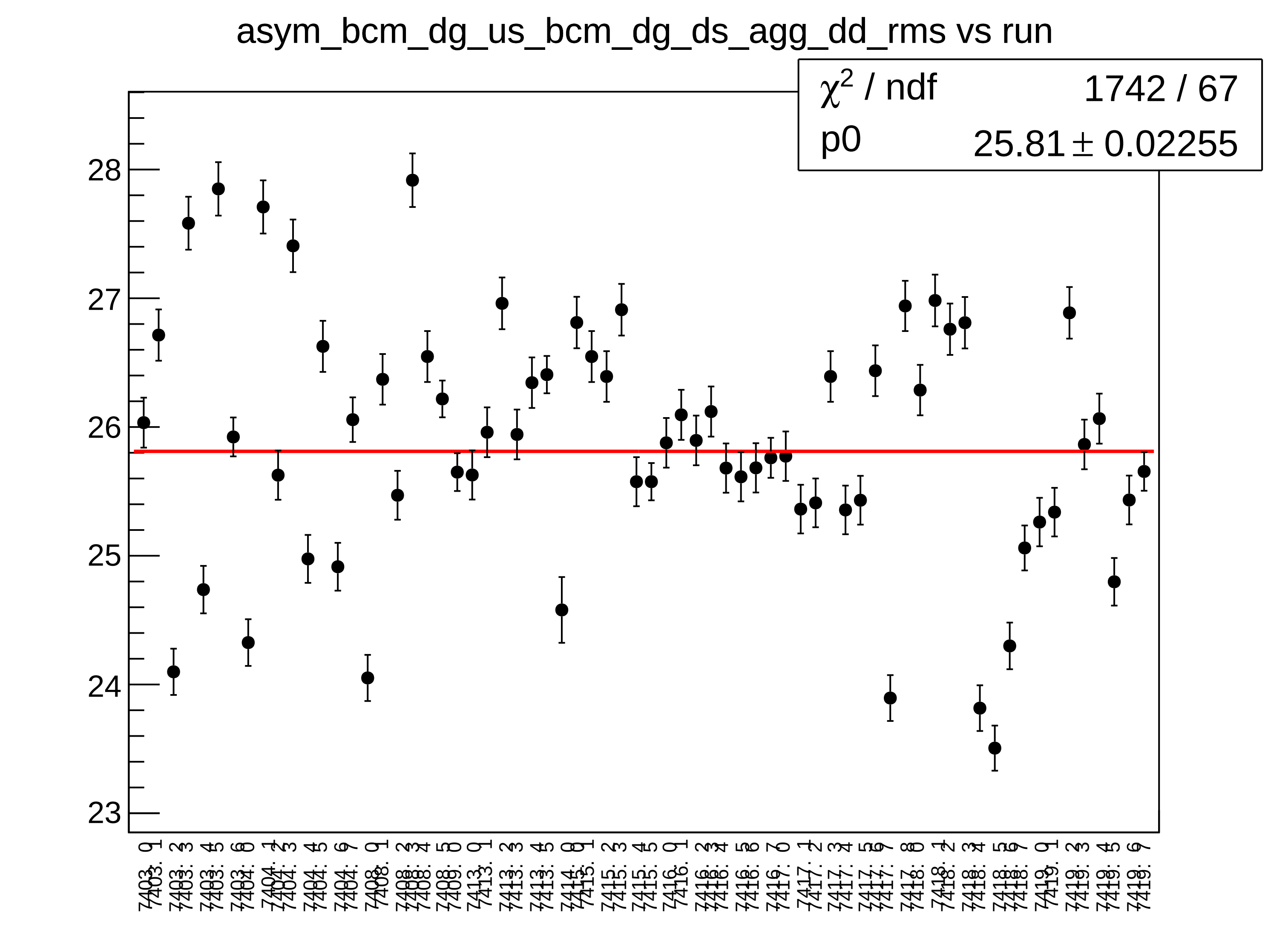

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 702.2 / 67
p0 17.15 ± 0.01498
18
17.5
17
16.5
16

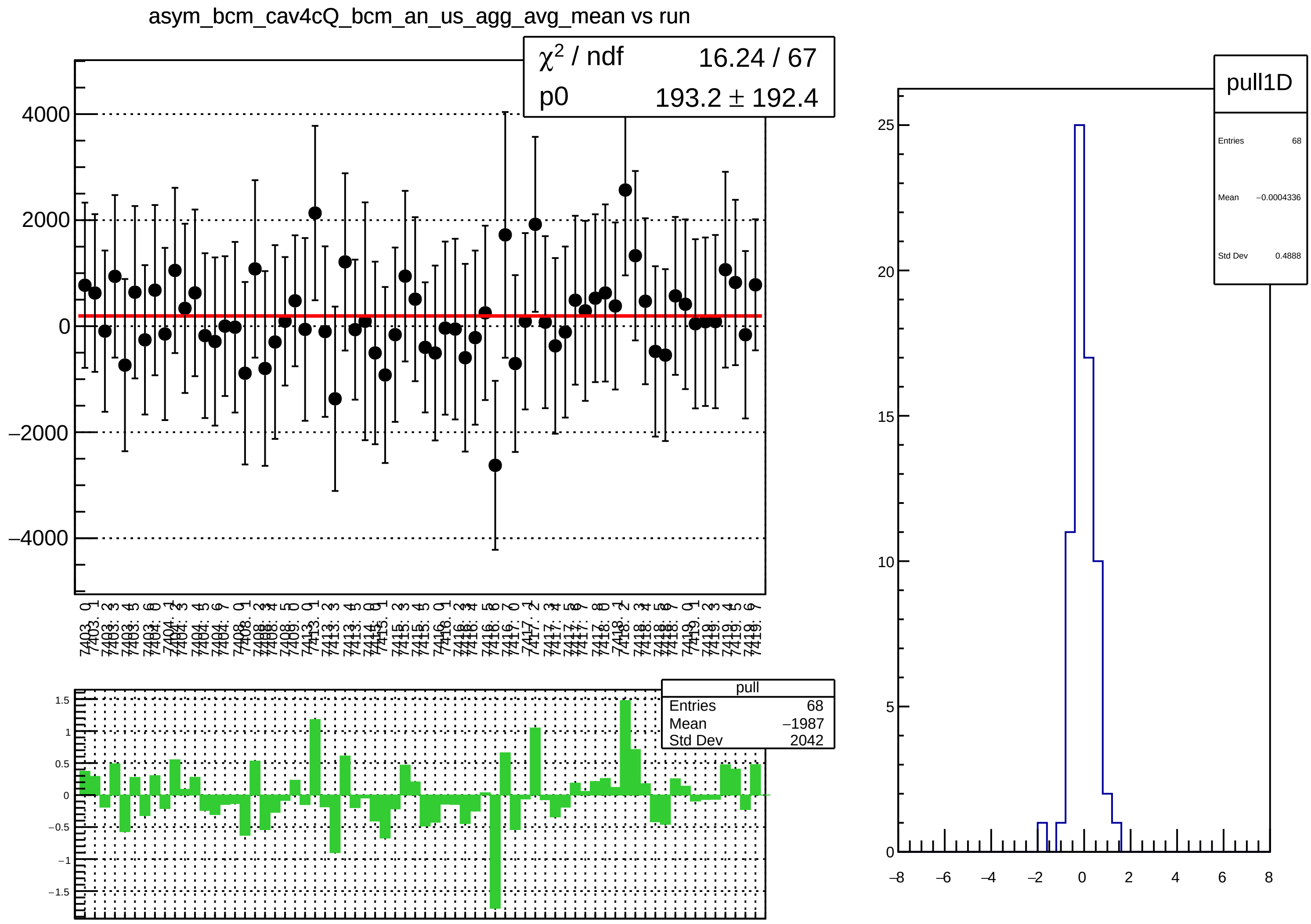


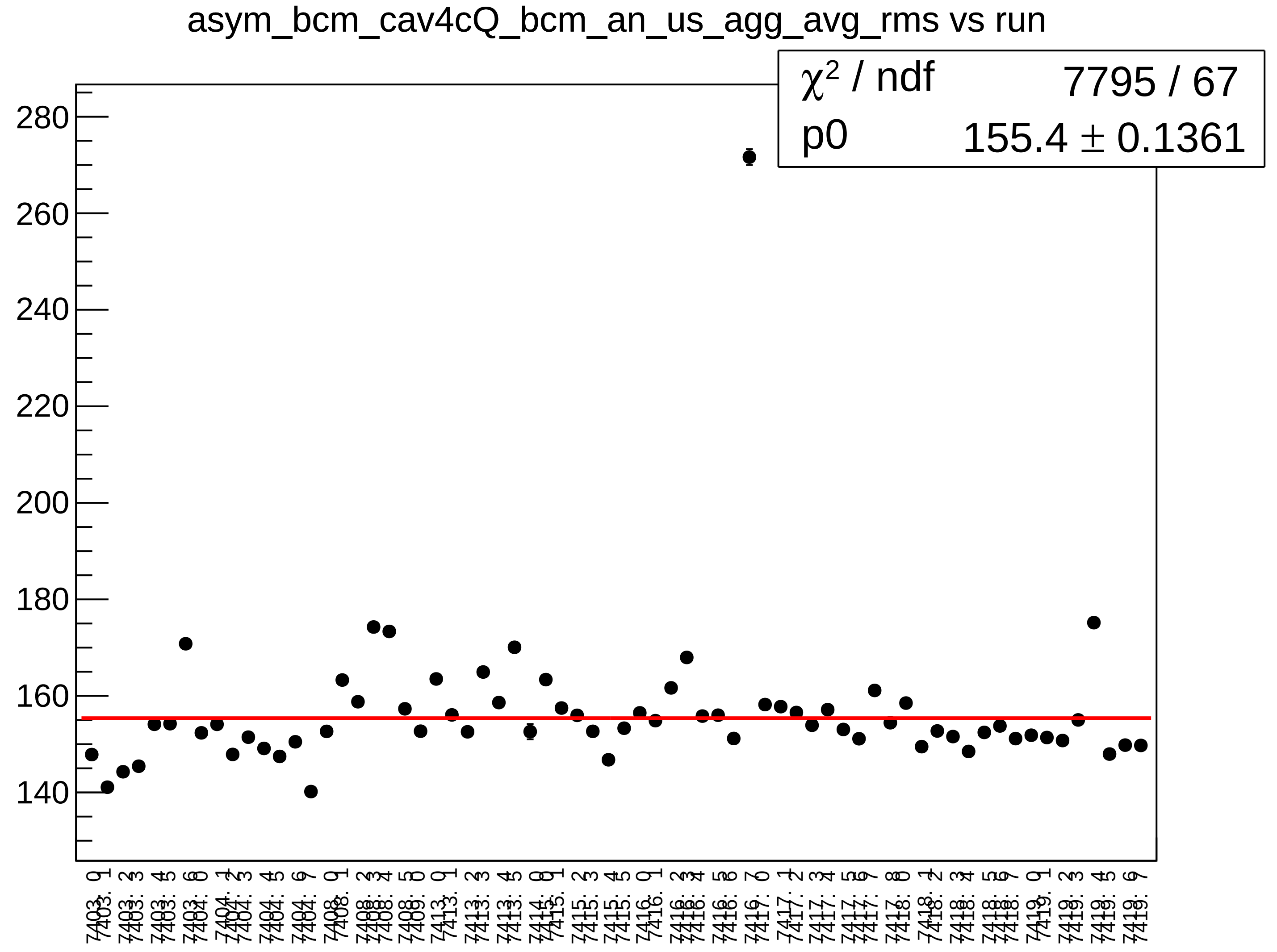
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ2 / ndf 21.12 / 67
p0 211.9 ± 193.4
pull
Entries 68
Mean −80.5
Std Dev 138.9
pull1D
Entries 68
Mean −0.004608
Std Dev 0.5573


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 7440 / 67
p0 156.2 ± 0.1368
280
260
240
220
200
180
160
140

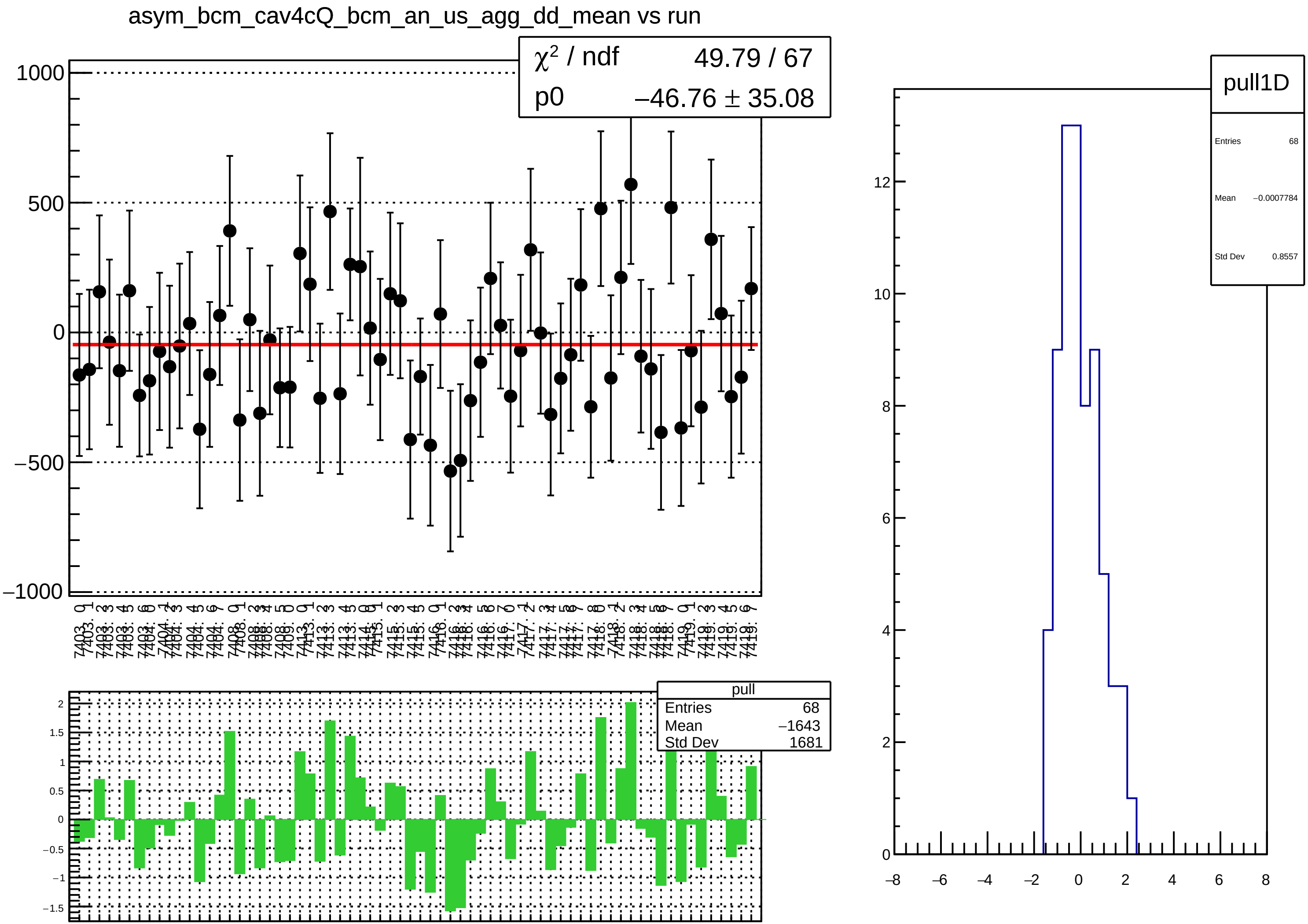

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 73.73 / 67
p0 −34.56 ± 31.88
pull
Entries 68
Mean 115.2
Std Dev 72
pull1D
Entries 68
Mean −0.002383
Std Dev 1.041

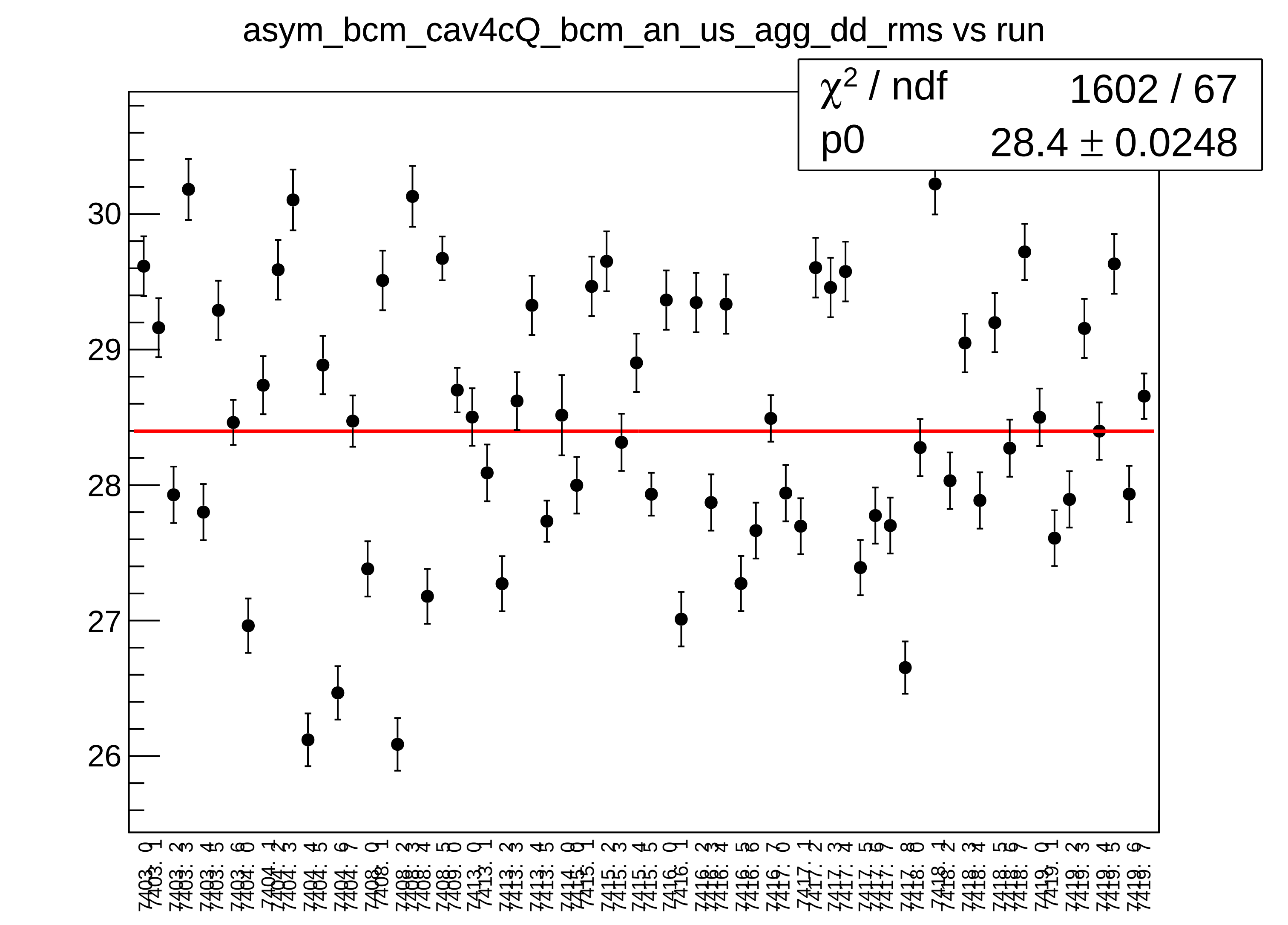

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 1742 / 67
p0 25.81 ± 0.02255


asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 16.24 / 67
p0 193.2 ± 192.4
4000
2000
0
−2000
−4000
pull
Entries 68
Mean −1987
Std Dev 2042
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 68
Mean −0.0004336
Std Dev 0.4888
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

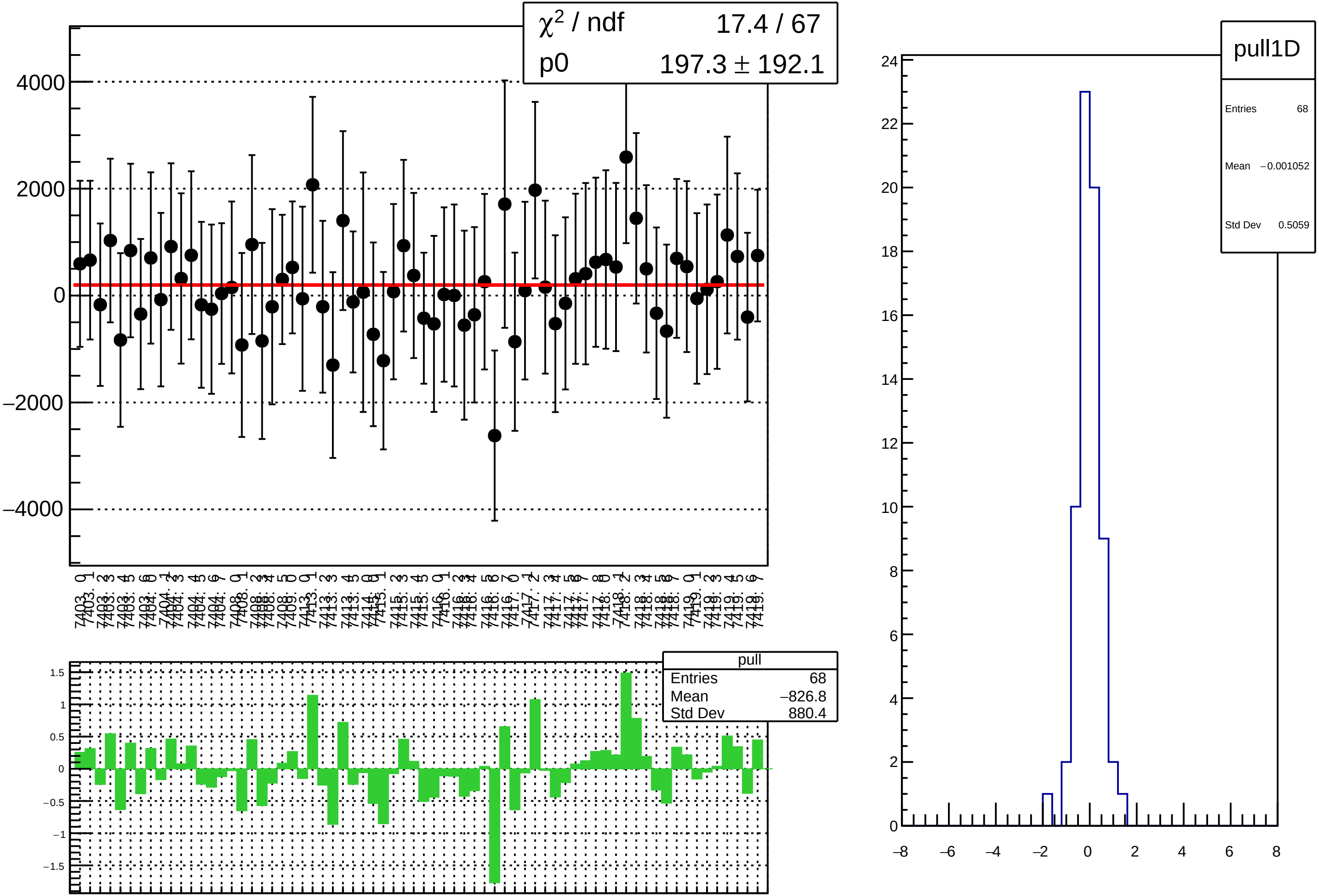


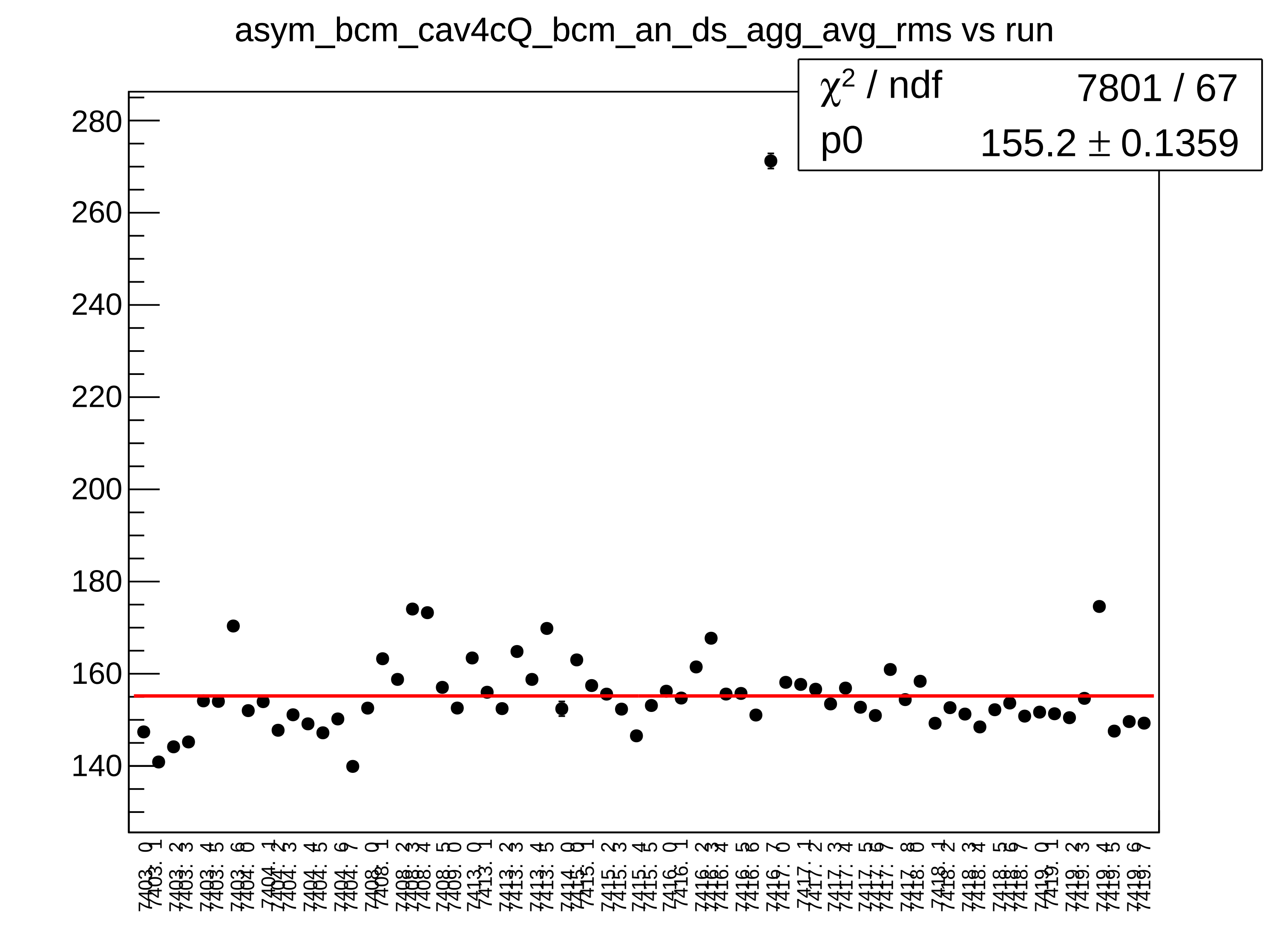
asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 7795 / 67
p0 155.4 ± 0.1361
280
260
240
220
200
180
160
140


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 49.79 / 67
p0 −46.76 ± 35.08
pull
Entries 68
Mean −1643
Std Dev 1681
pull1D
Entries 68
Mean −0.0007784
Std Dev 0.8557

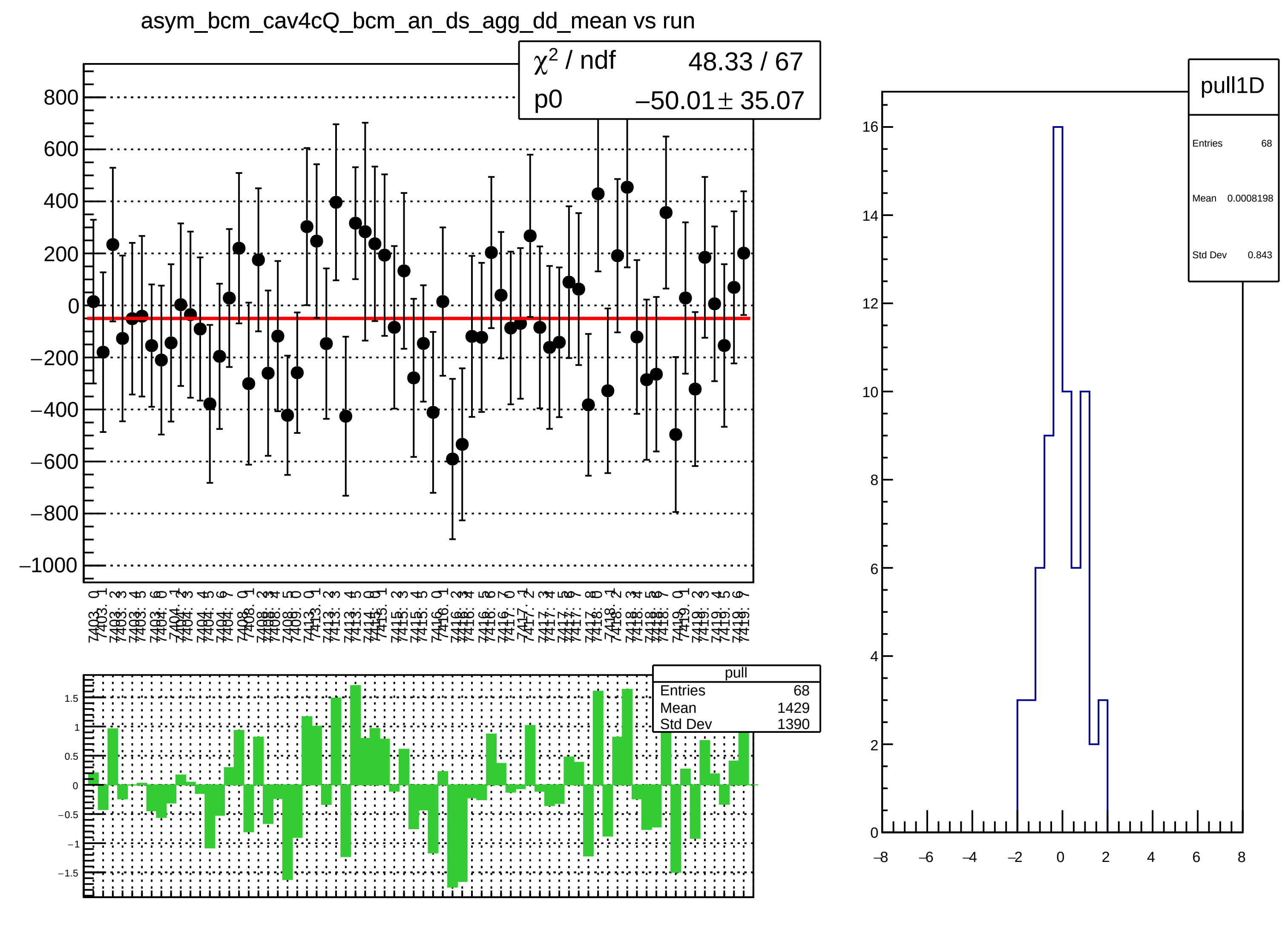

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 1602 / 67
p0 28.4 ± 0.0248
30
29
28
27
26

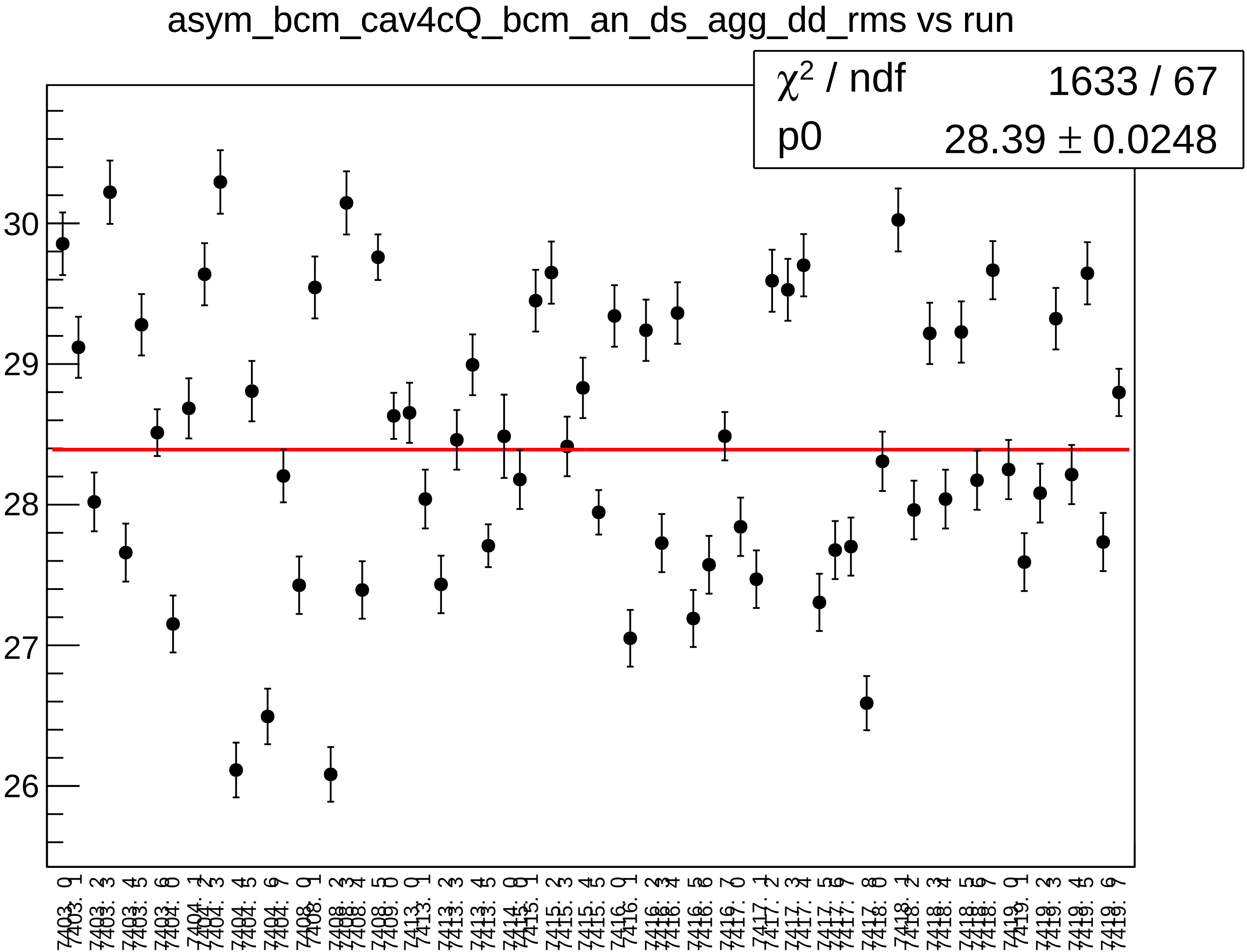
asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run

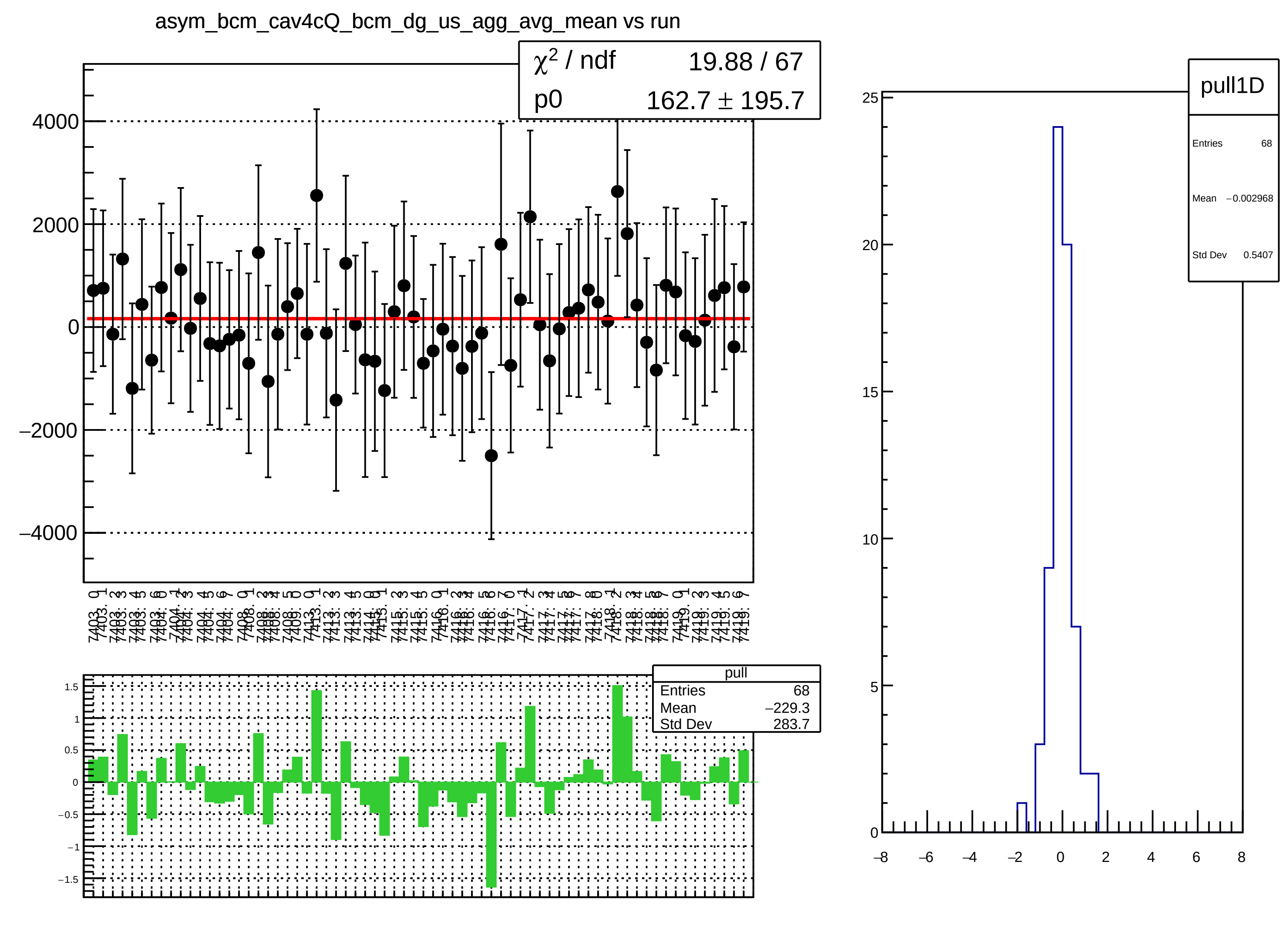




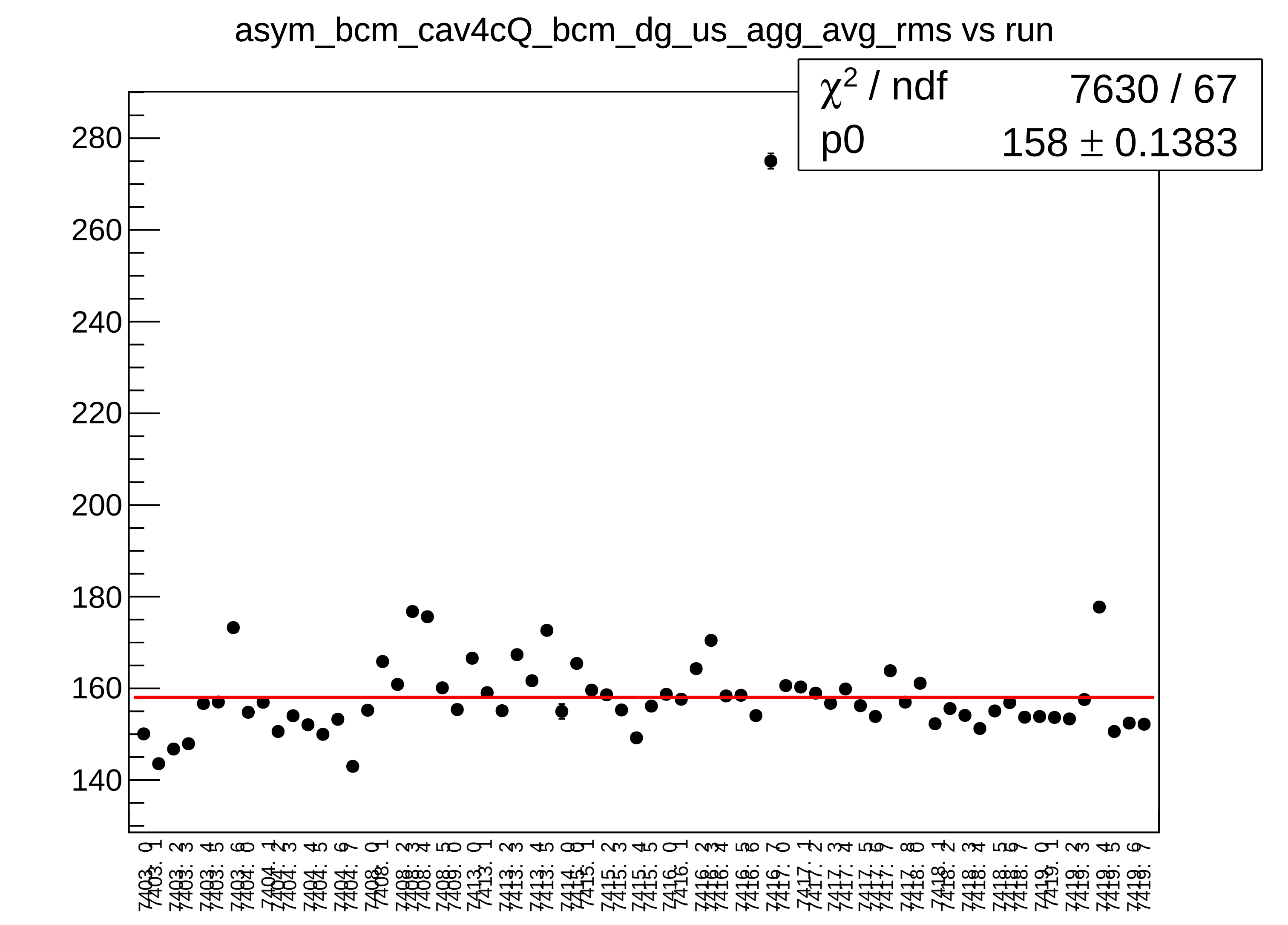
asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 7801 / 67
p0 155.2 ± 0.1359
280
260
240
220
200
180
160
140


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 48.33 / 67
p0 −50.01 ± 35.07
pull
Entries 68
Mean 1429
Std Dev 1390
pull1D
Entries 68
Mean 0.0008198
Std Dev 0.843

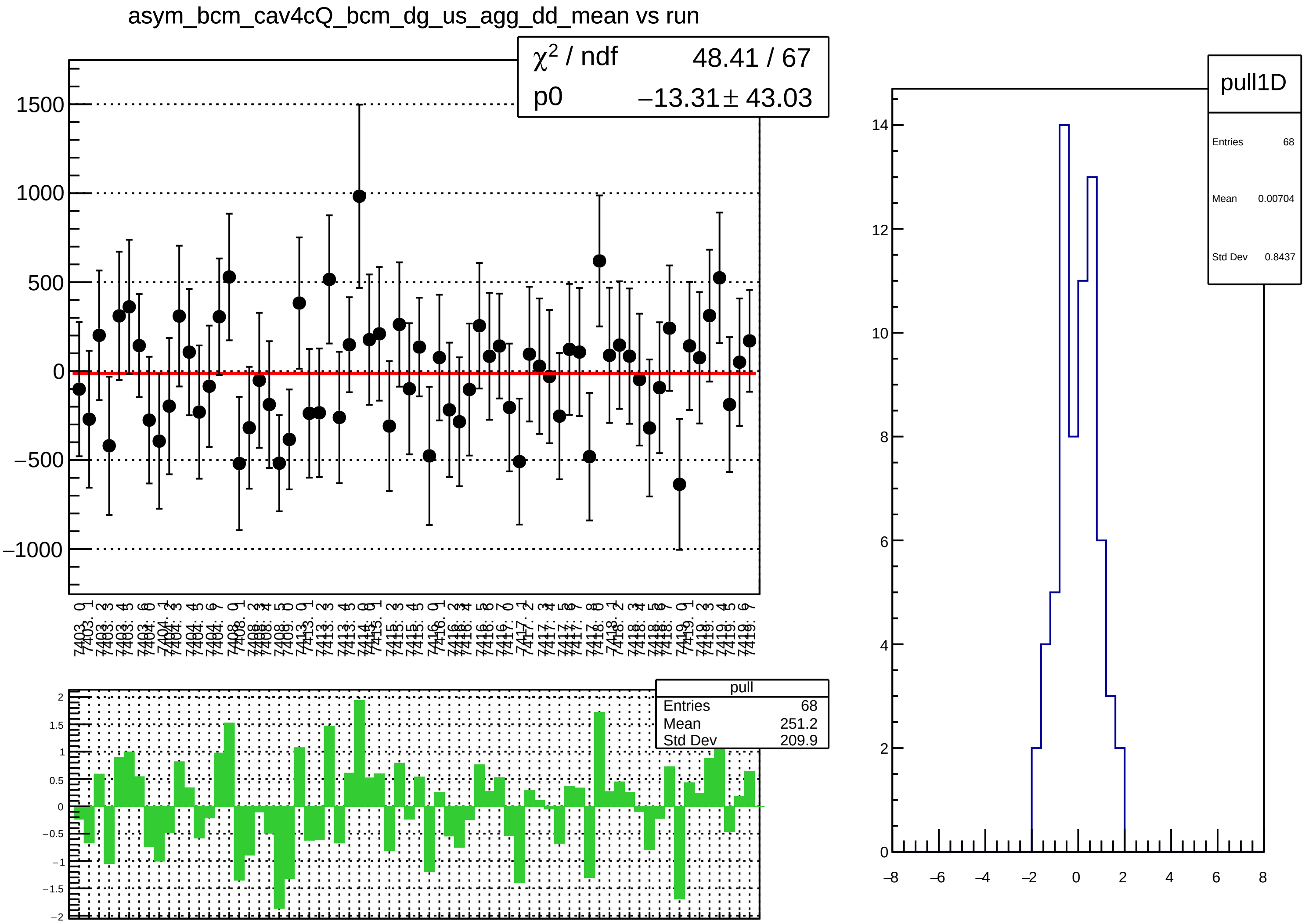

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1633 / 67
p0 28.39 ± 0.0248
30
29
28
27
26



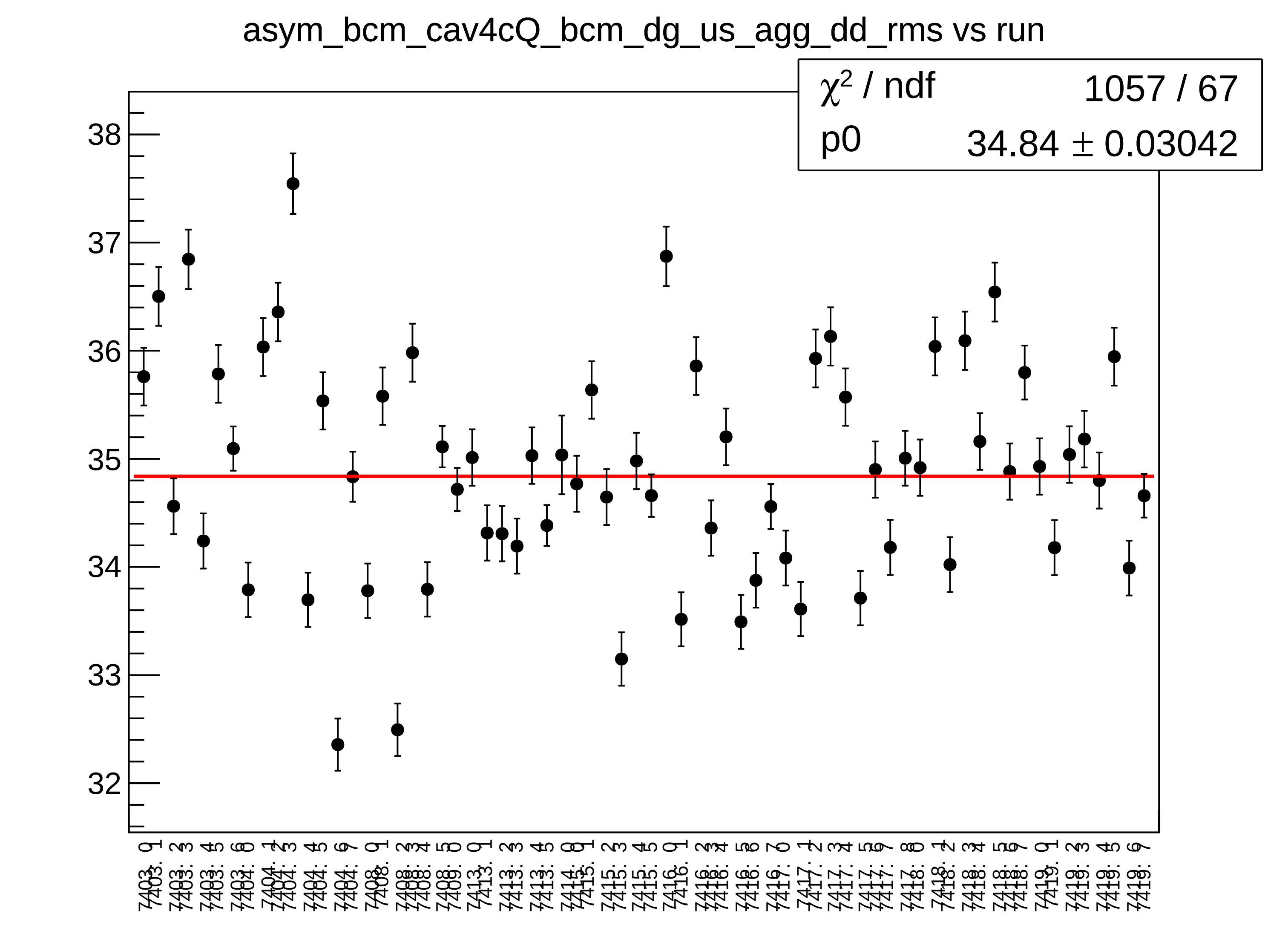
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ2 / ndf 19.88 / 67
p0 162.7 ± 195.7
pull
Entries 68
Mean −229.3
Std Dev 283.7
pull1D
Entries 68
Mean −0.002968
Std Dev 0.5407



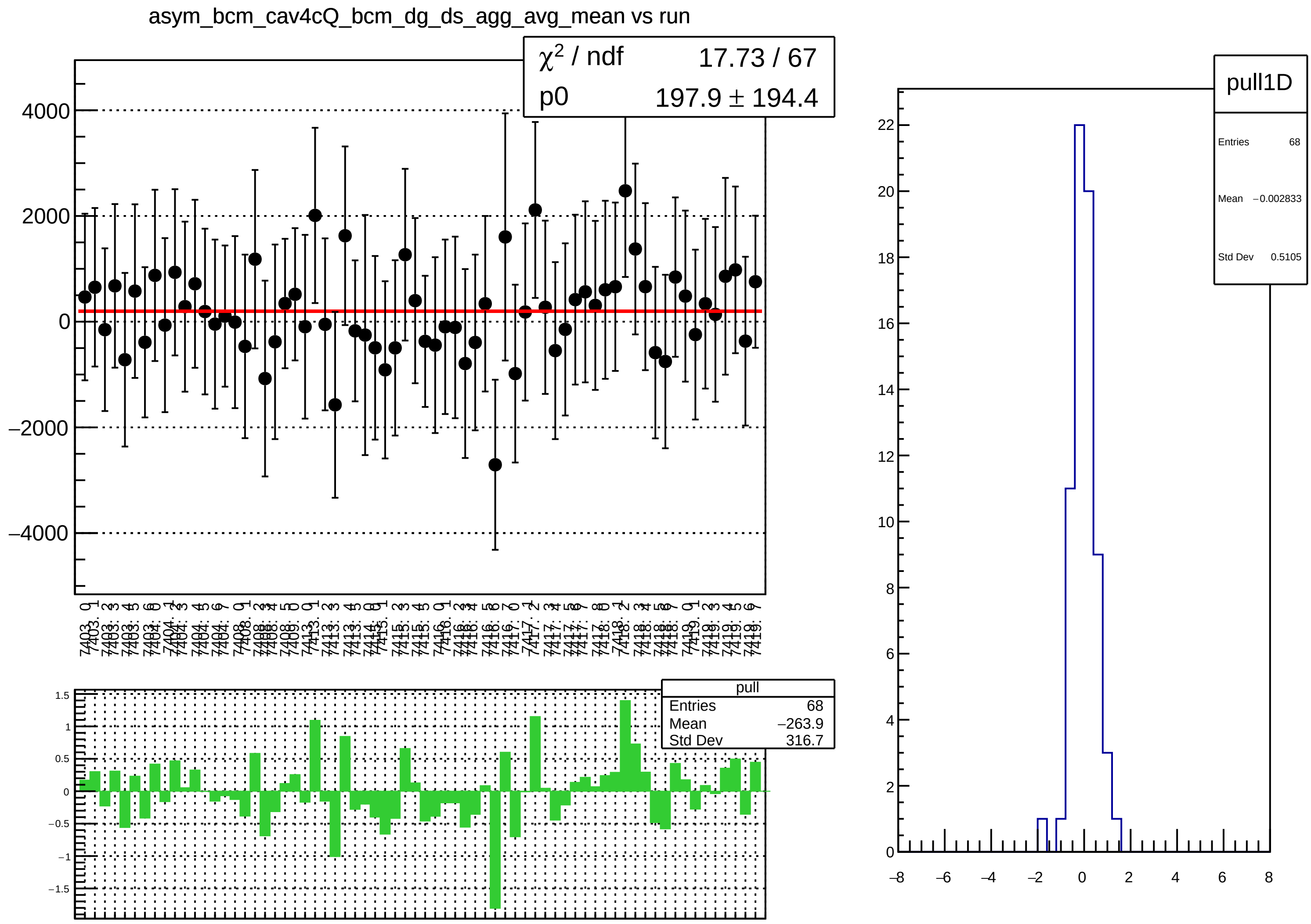
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 7630 / 67
p0 158 ± 0.1383
280
260
240
220
200
180
160
140



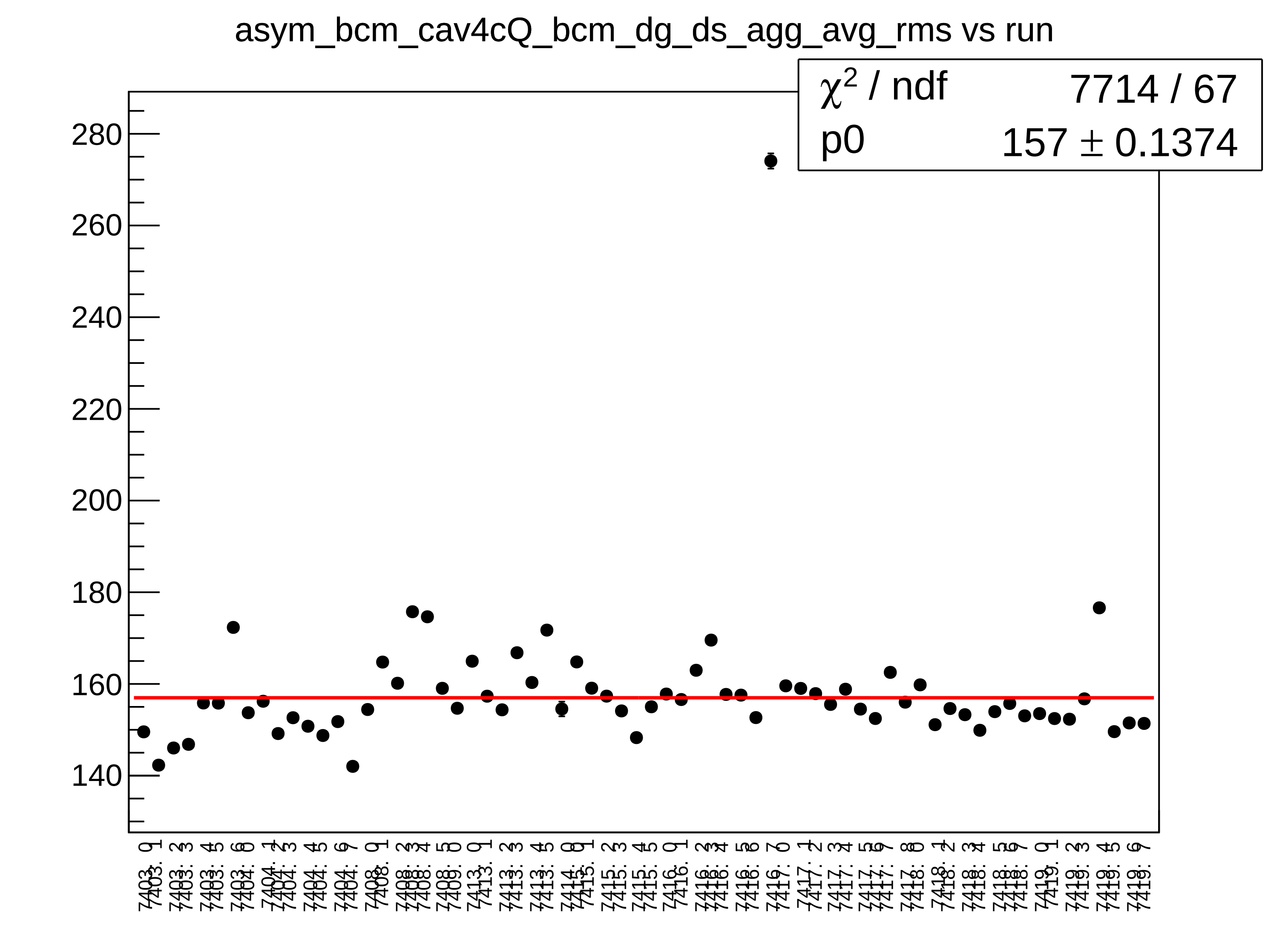
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 48.41 / 67
p0 −13.31 ± 43.03
pull
Entries 68
Mean 251.2
Std Dev 209.9
pull1D
Entries 68
Mean 0.00704
Std Dev 0.8437



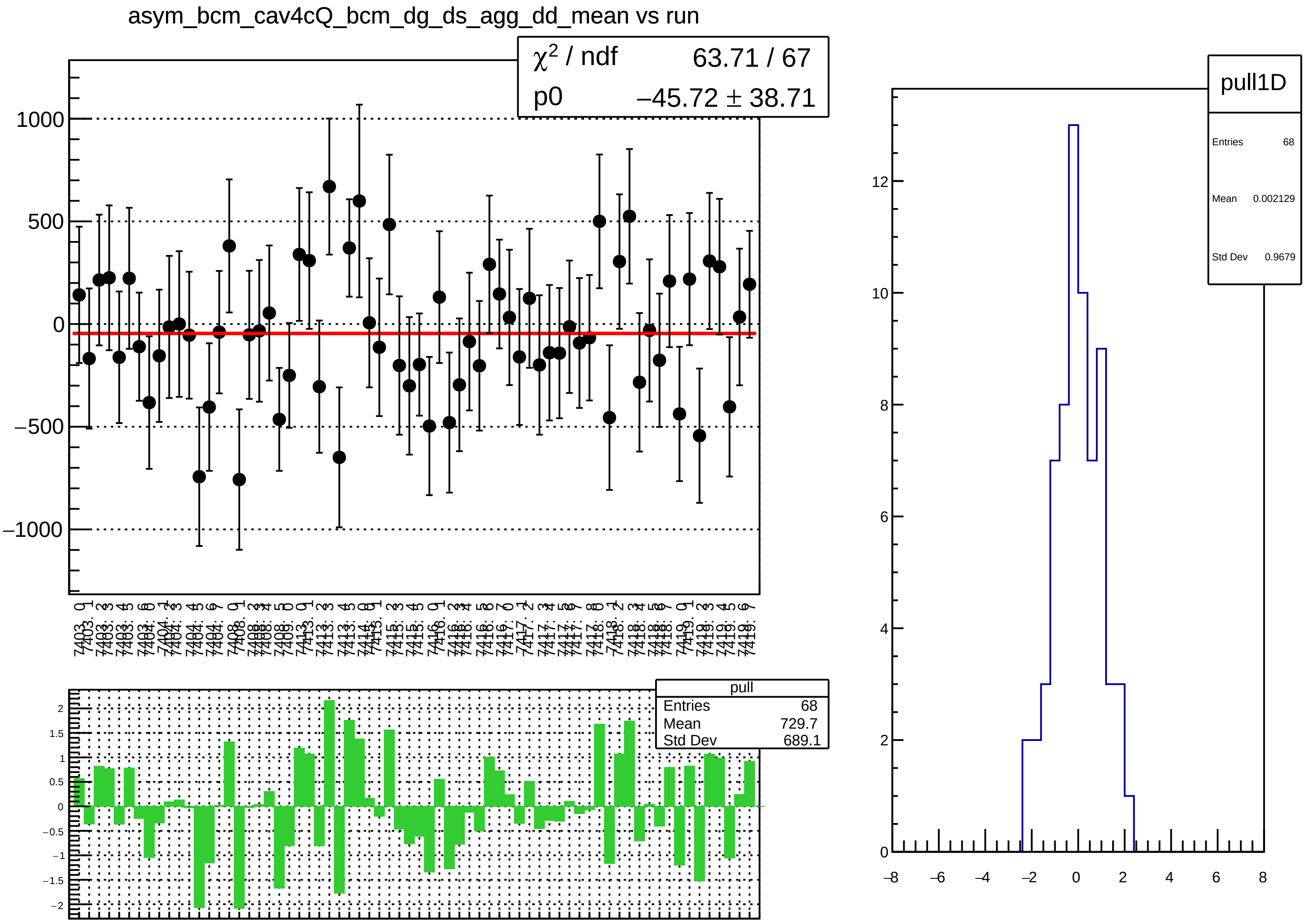
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ2 / ndf 1057 / 67
p0 34.84 ± 0.03042
38
37
36
35
34
33
32

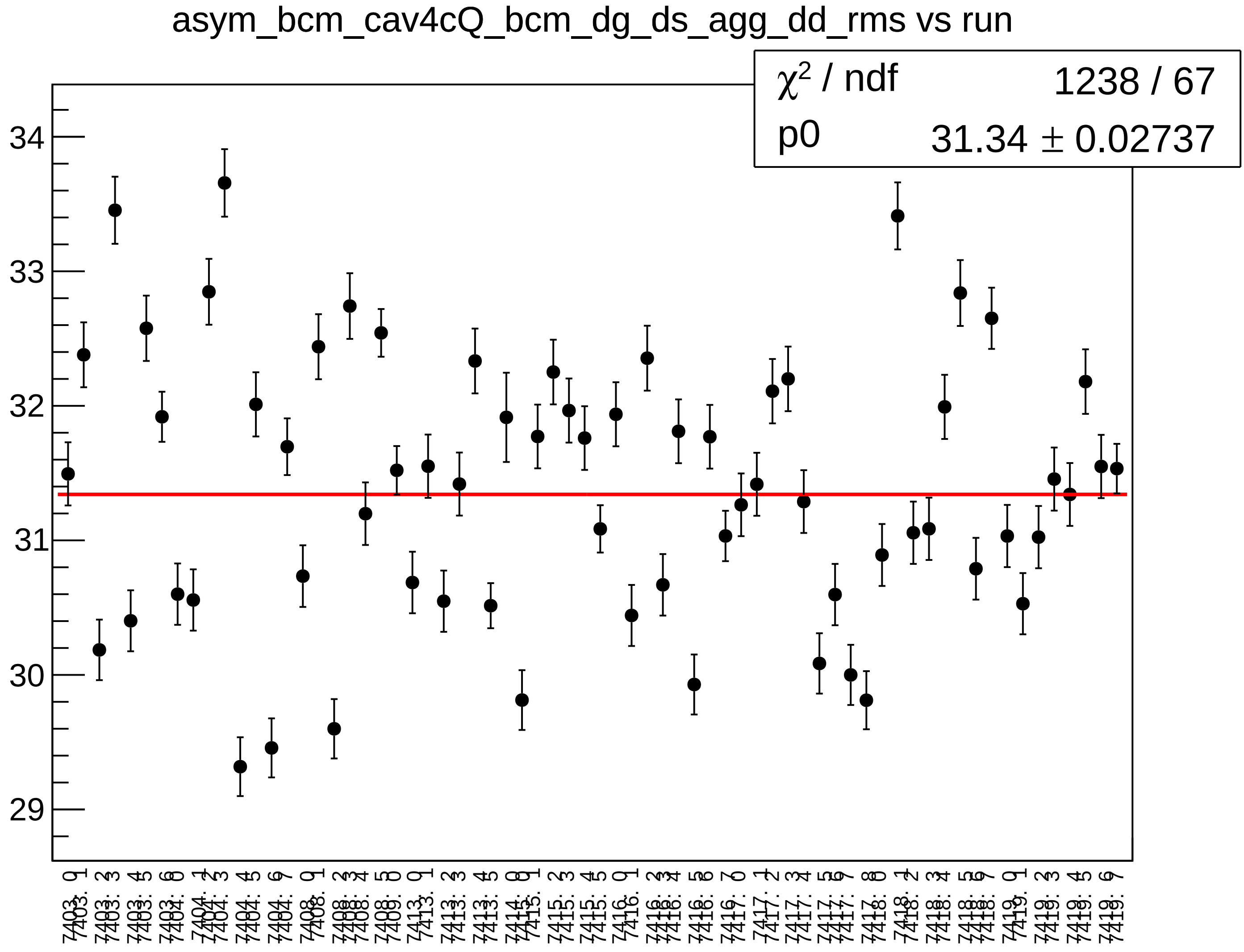


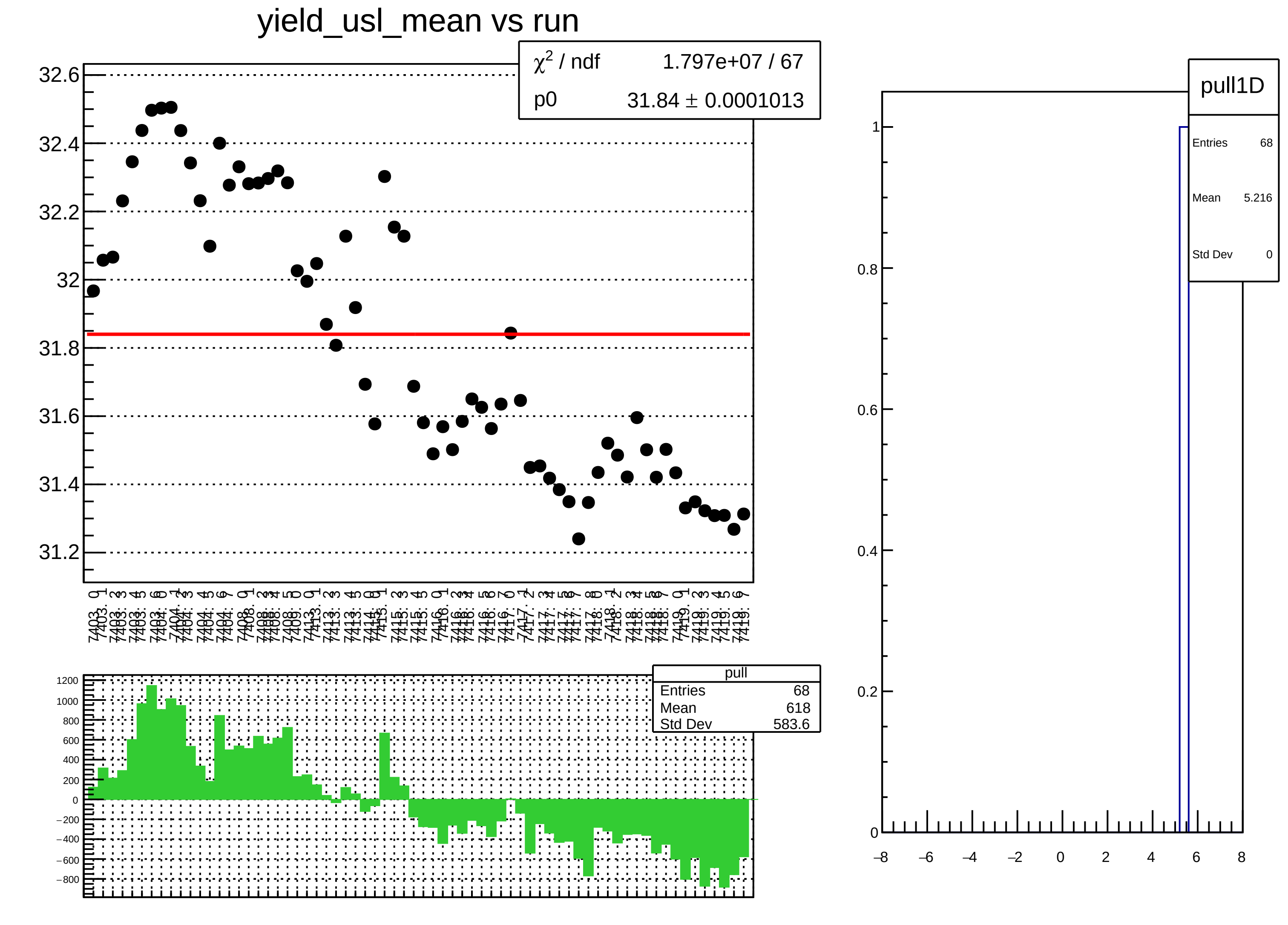
asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 17.73 / 67
p0 197.9 ± 194.4
pull
Entries 68
Mean −263.9
Std Dev 316.7
pull1D
Entries 68
Mean −0.002833
Std Dev 0.5105

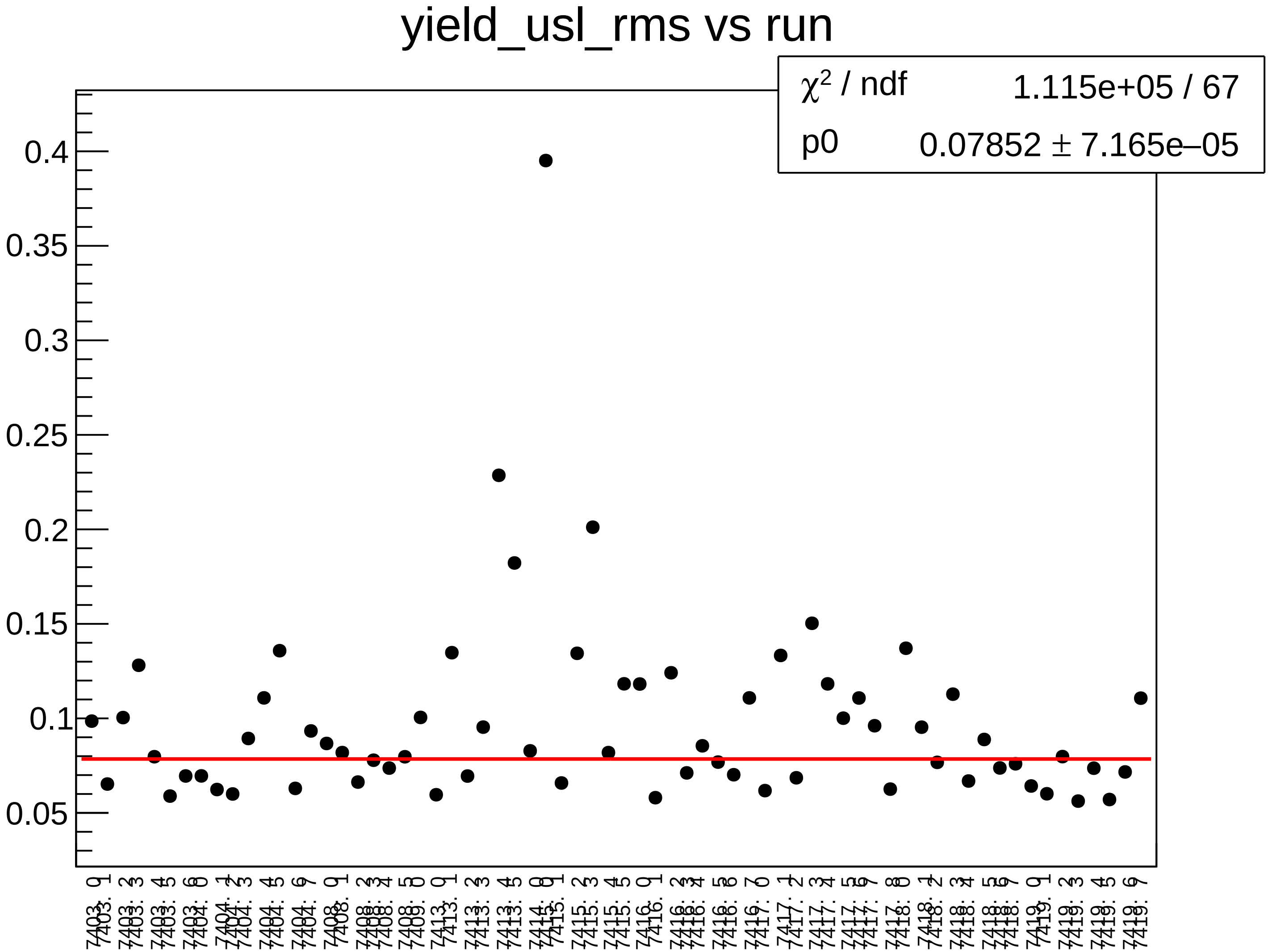


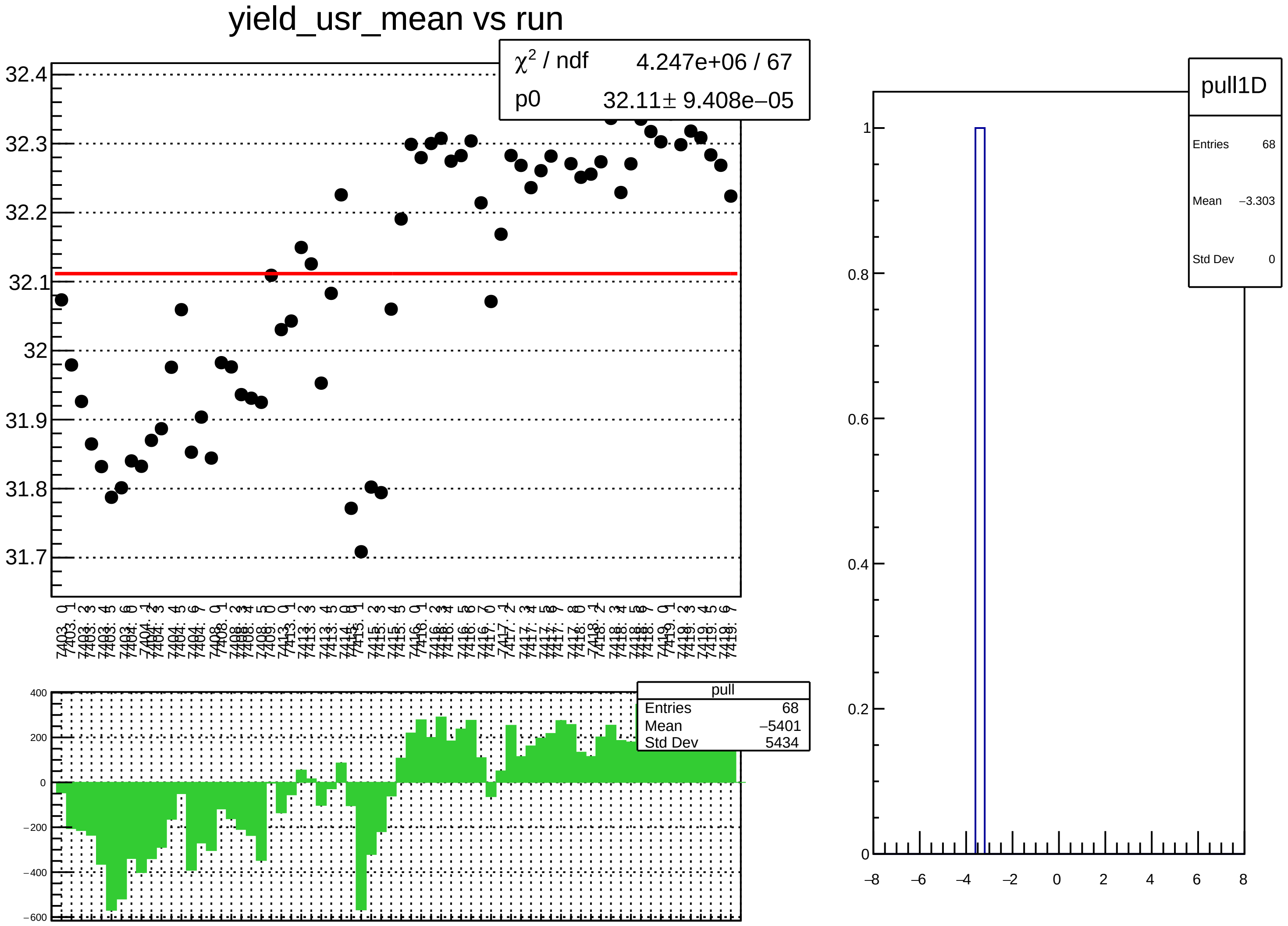
asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 7714 / 67
p0 157 ± 0.1374
280
260
240
220
200
180
160
140

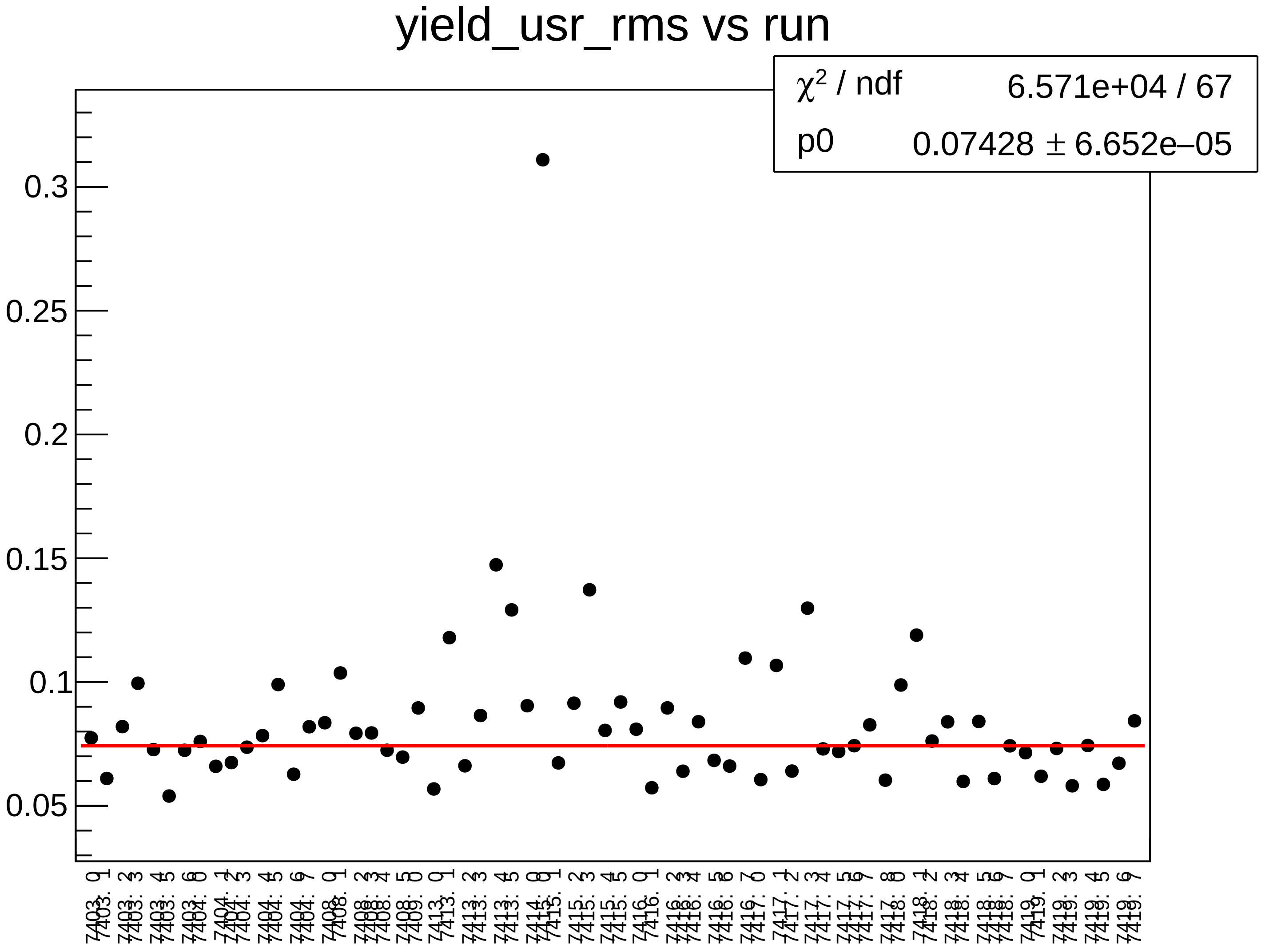

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 63.71 / 67
p0 −45.72 ± 38.71
pull
Entries 68
Mean 729.7
Std Dev 689.1
pull1D
Entries 68
Mean 0.002129
Std Dev 0.9679


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 1238 / 67
p0 31.34 ± 0.02737
34
33
32
31
30
29

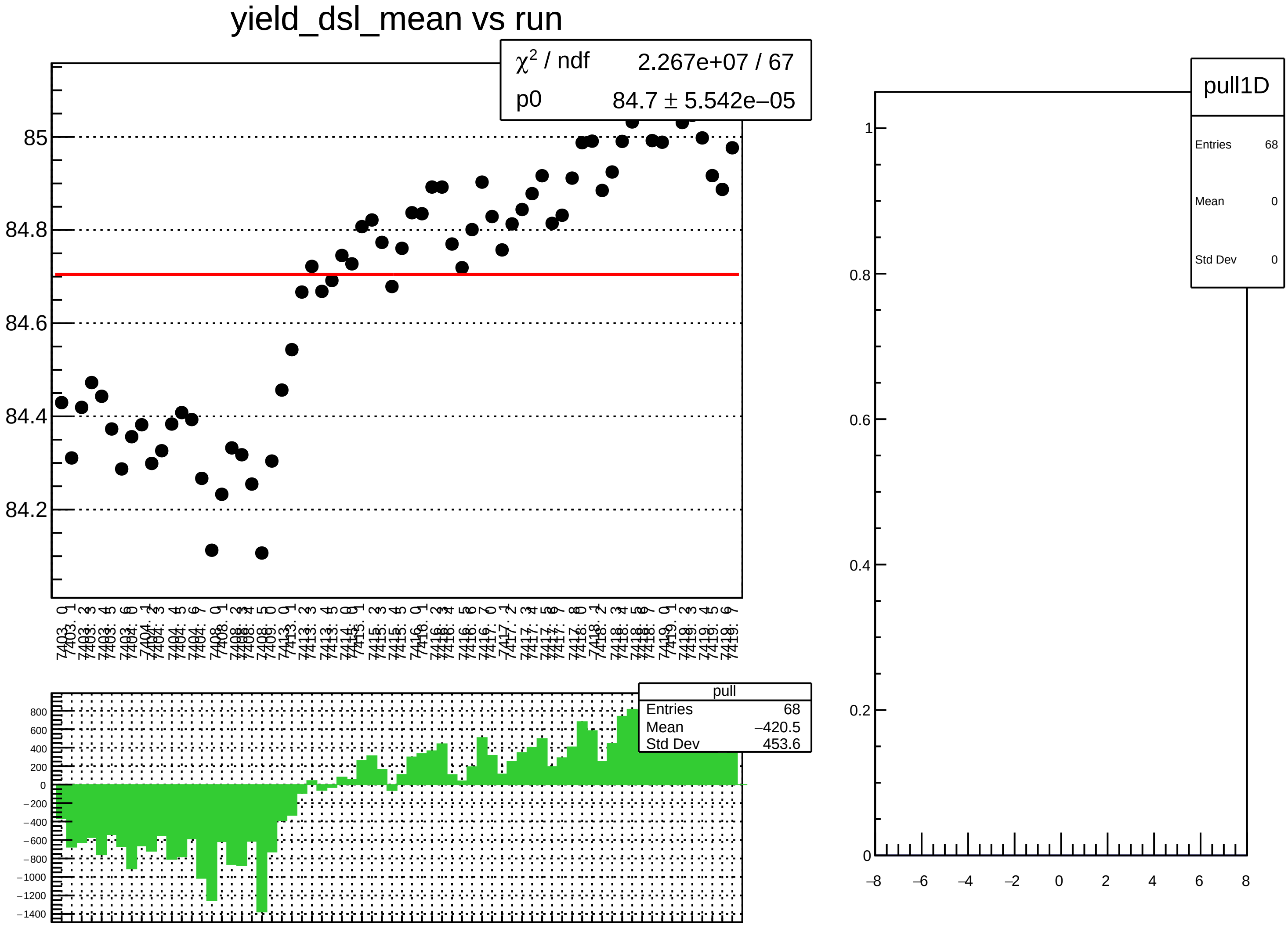

yield_usl_mean vs run
χ^2 / ndf 1.797e+07 / 67
p0 31.84 ± 0.0001013
pull
Entries 68
Mean 618
Std Dev 583.6
pull1D
Entries 68
Mean 5.216
Std Dev 0


yield_usl_rms vs run
χ^2 / ndf 1.115e+05 / 67
p0 0.07852 ± 7.165e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

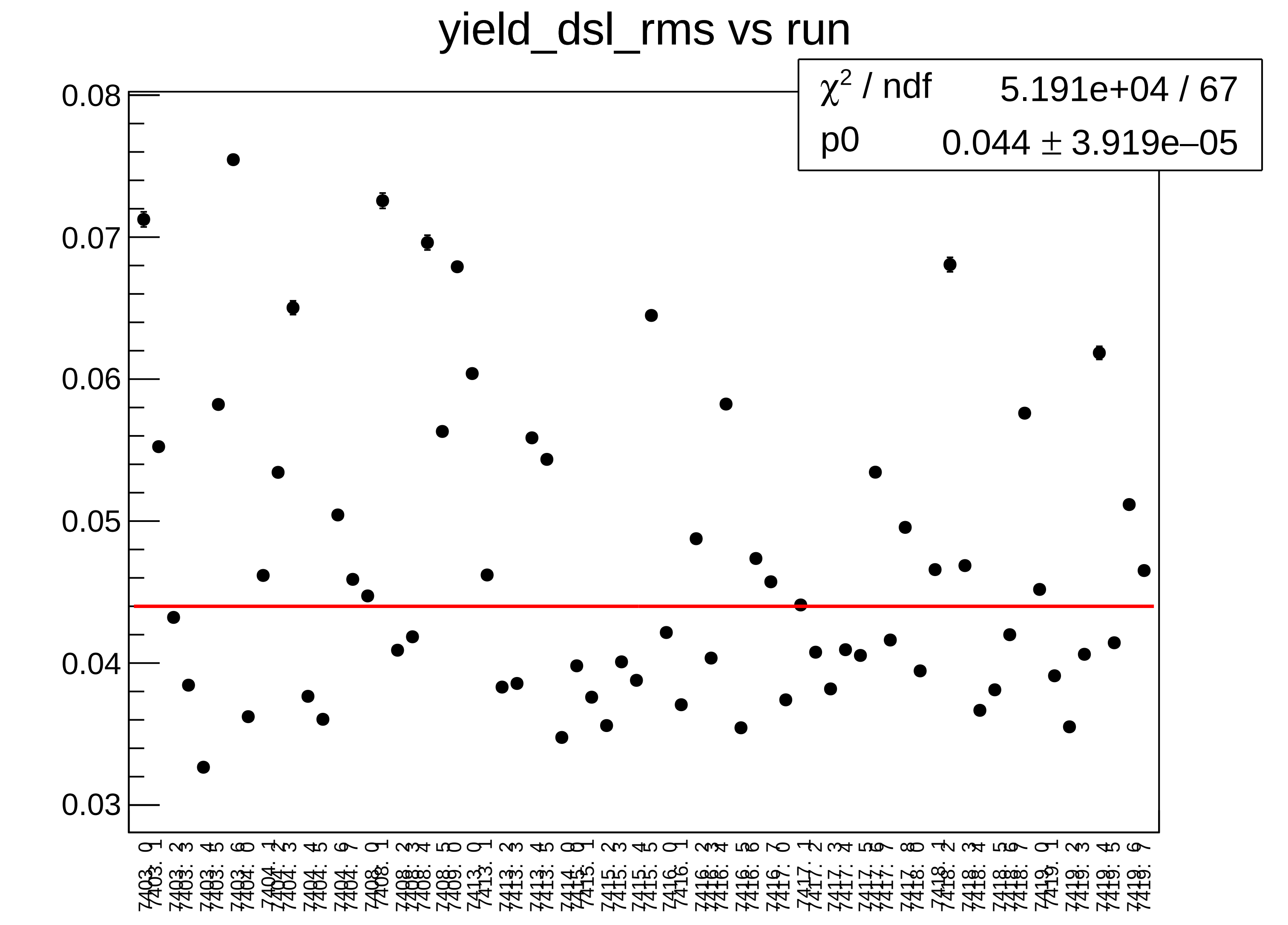

yield_usr_mean vs run
χ^2 / ndf 4.247e+06 / 67
p0 32.11± 9.408e−05
32.4
32.3
32.2
32.1
32
31.9
31.8
31.7
pull
Entries 68
Mean −5401
Std Dev 5434
400
200
0
−200
−400
−600
pull1D
Entries 68
Mean −3.303
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8

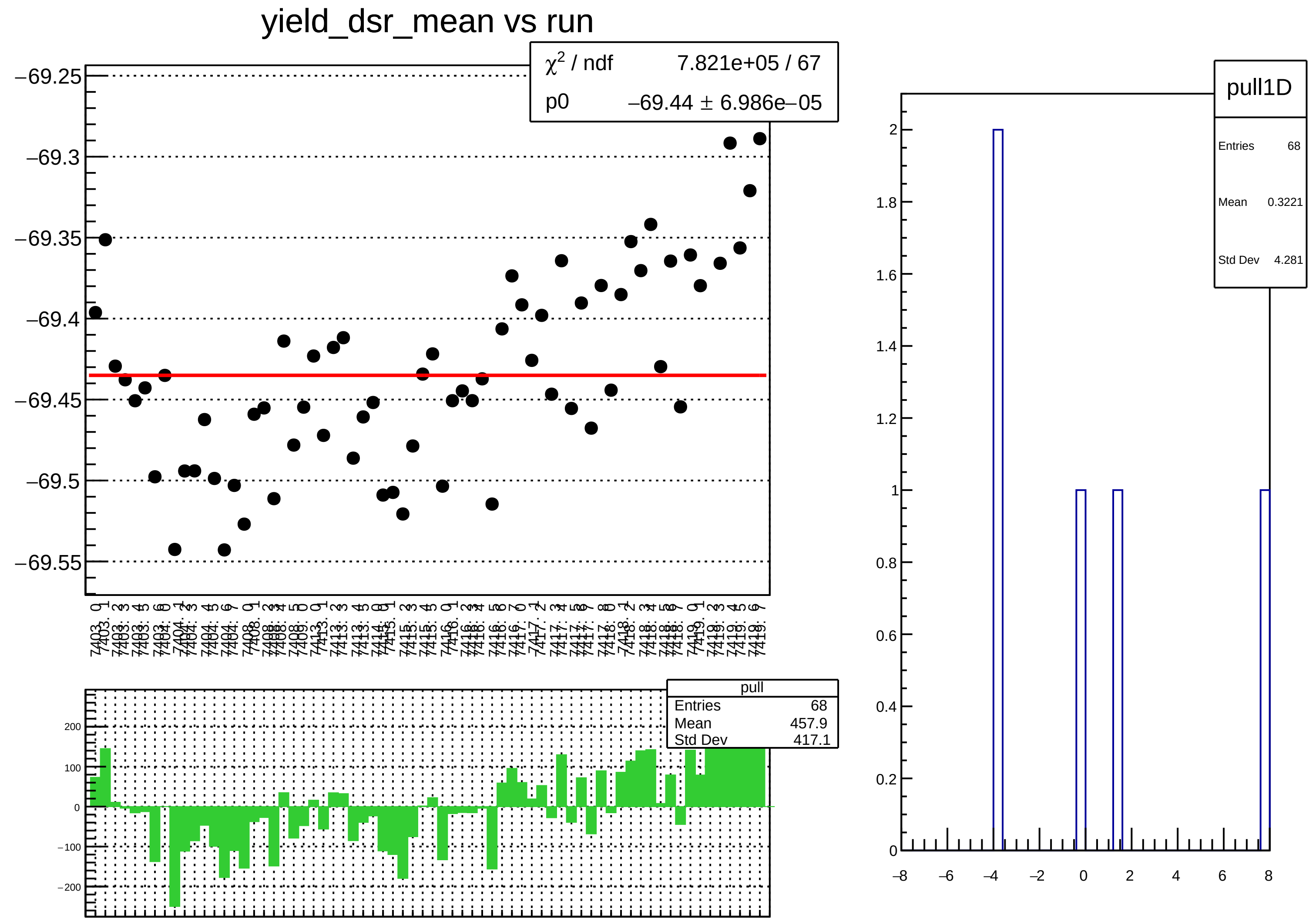


yield_usr_rms vs run
χ^2 / ndf 6.571e+04 / 67
p0 0.07428 ± 6.652e−05
0.3
0.25
0.2
0.15
0.1
0.05

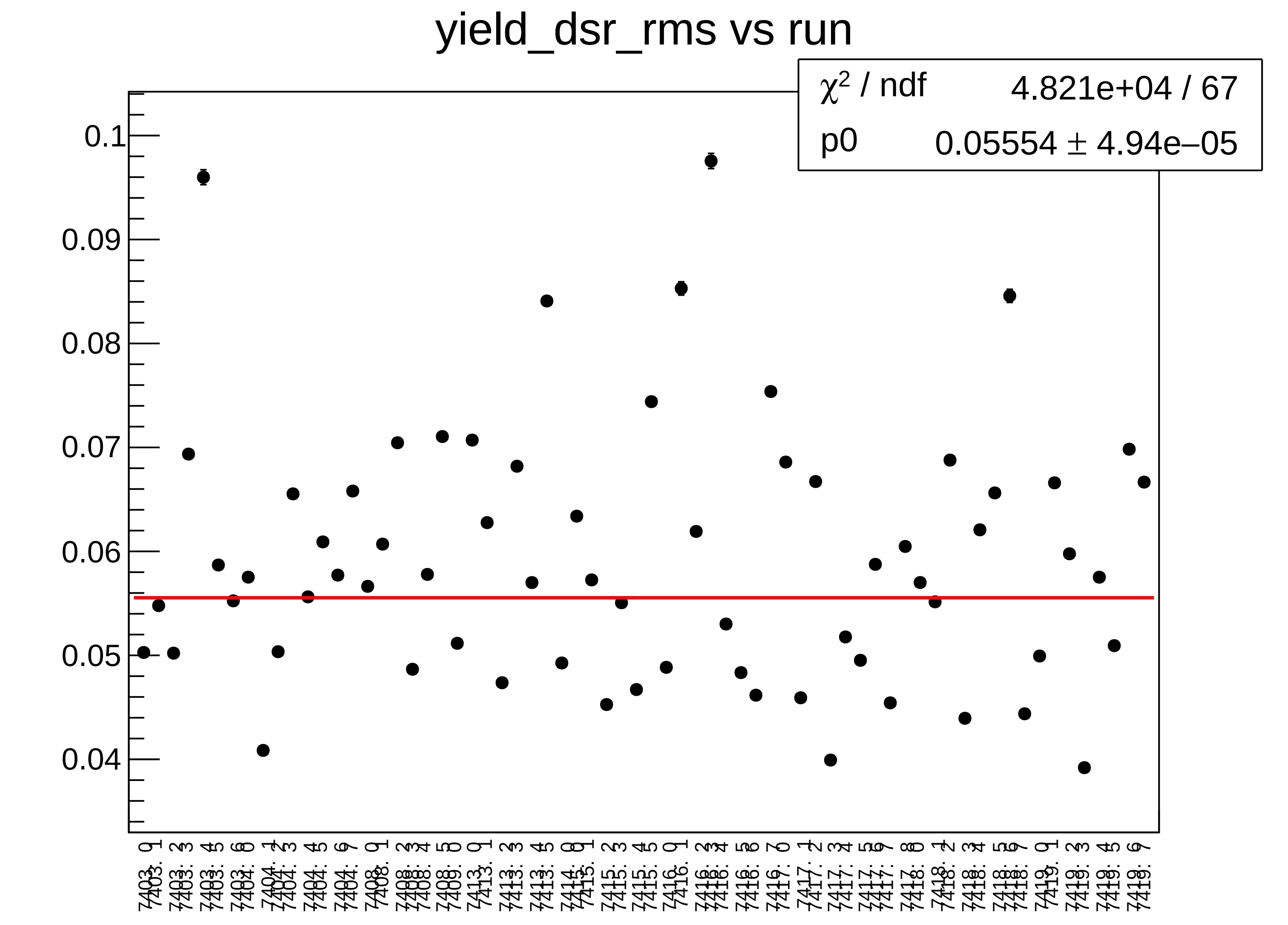


yield_dsl_mean vs run
χ^2 / ndf 2.267e+07 / 67
p0 84.7 ± 5.542e−05
85
84.8
84.6
84.4
84.2
pull
Entries 68
Mean −420.5
Std Dev 453.6
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

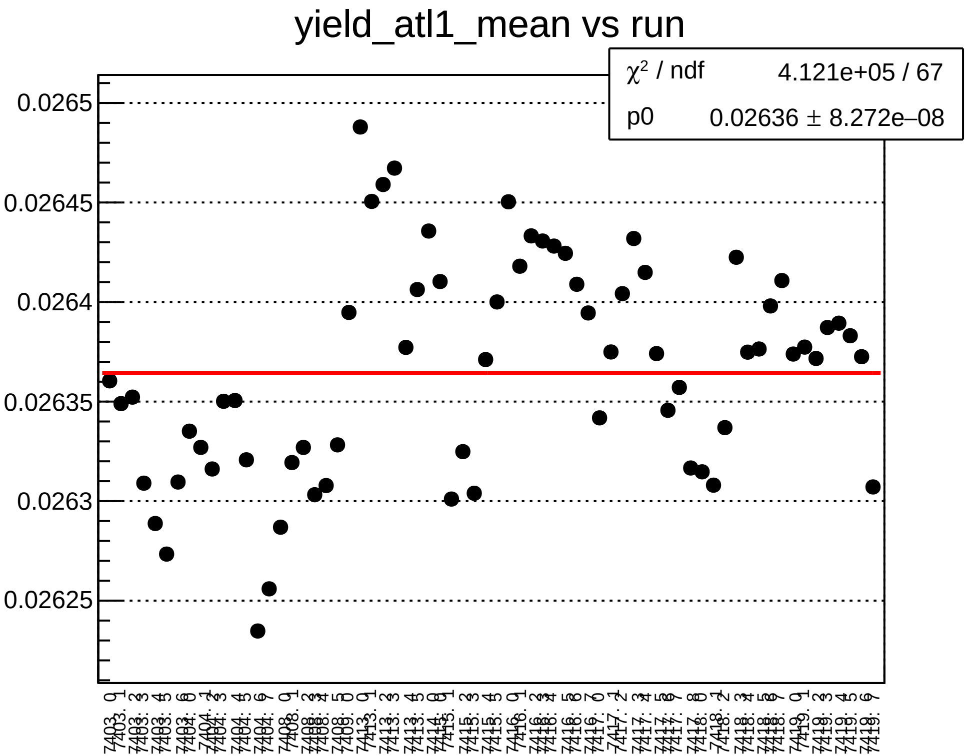

yield_dsl_rms vs run
χ2 / ndf 5.191e+04 / 67
p0 0.044 ± 3.919e−05
0.08
0.07
0.06
0.05
0.04
0.03

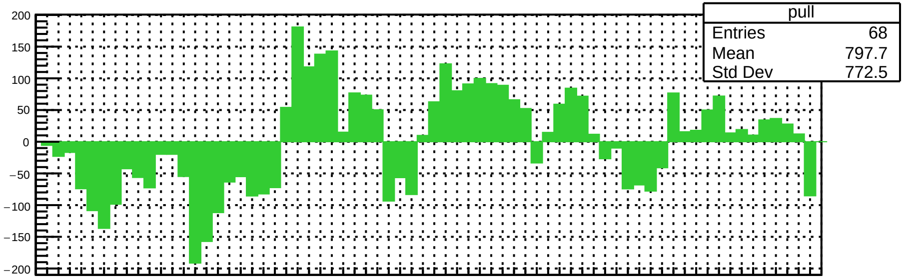


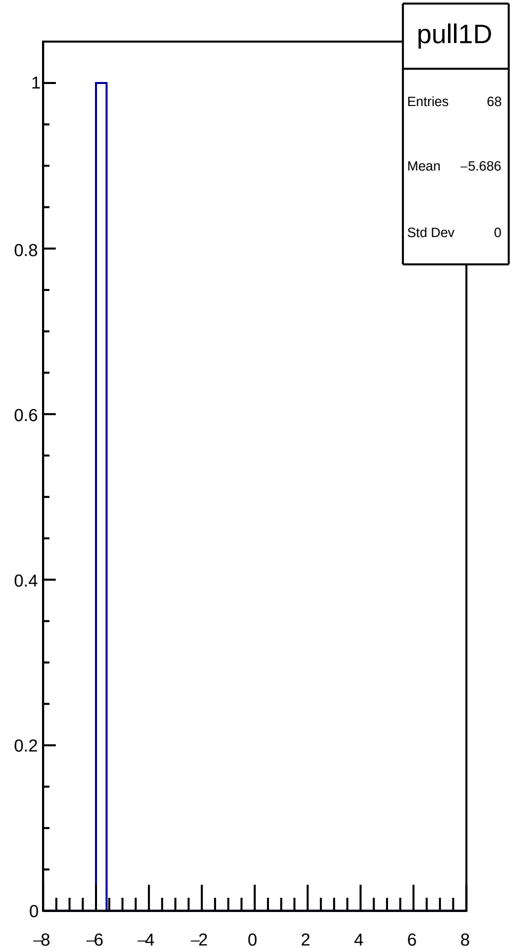
yield_dsr_mean vs run
χ2 / ndf 7.821e+05 / 67
p0 −69.44 ± 6.986e−05
pull
Entries 68
Mean 457.9
Std Dev 417.1
pull1D
Entries 68
Mean 0.3221
Std Dev 4.281

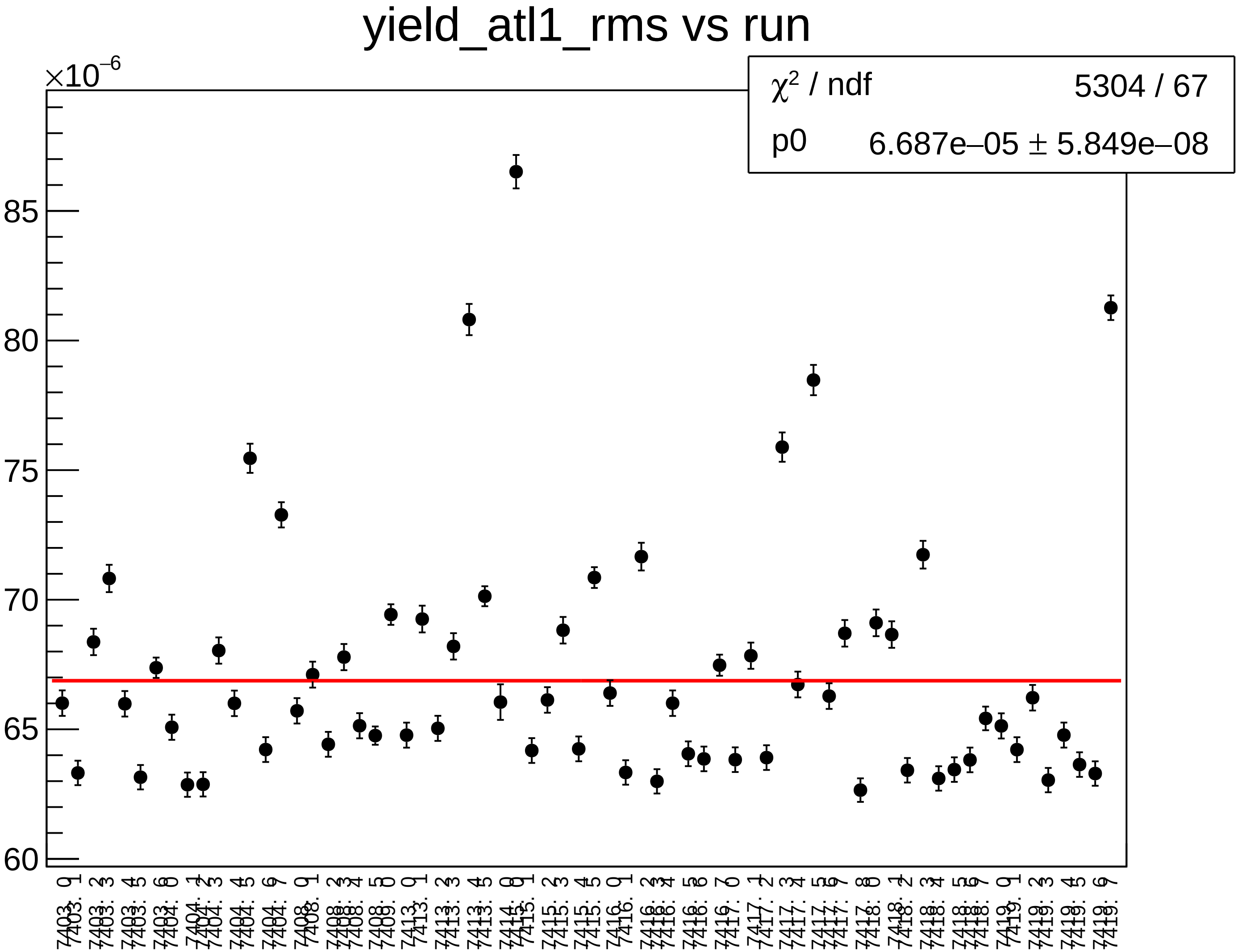


yield_dsr_rms vs run
χ2 / ndf 4.821e+04 / 67
p0 0.05554 ± 4.94e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

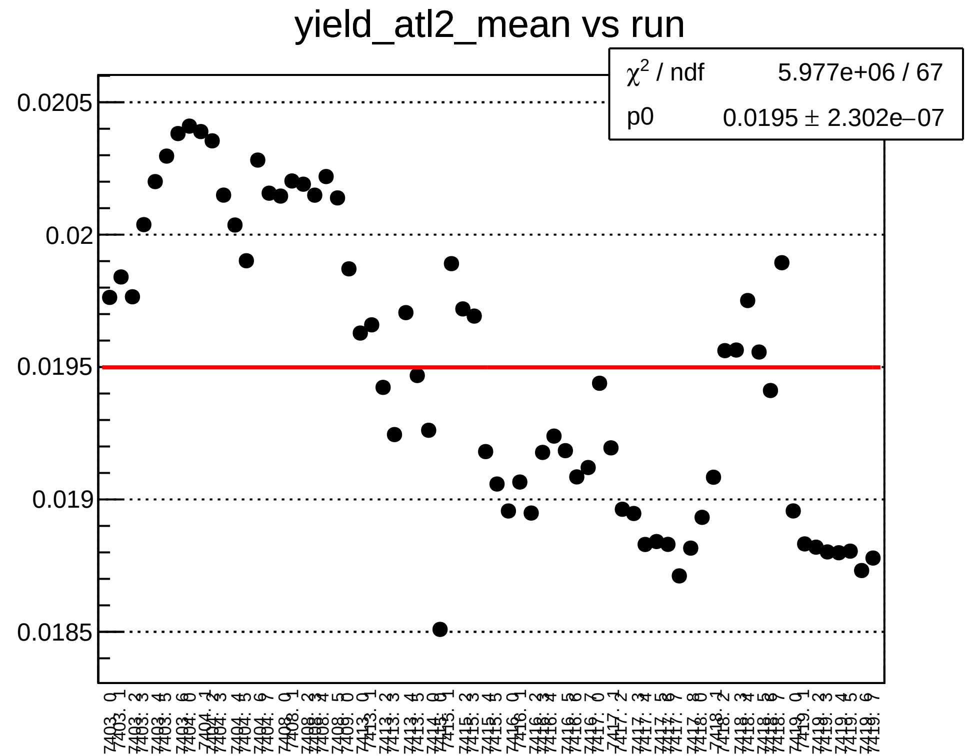

yield_atl1_mean vs run
χ² / ndf 4.121e+05 / 67
p0 0.02636 ± 8.272e−08
0.0265
0.02645
0.0264
0.02635
0.0263
0.02625

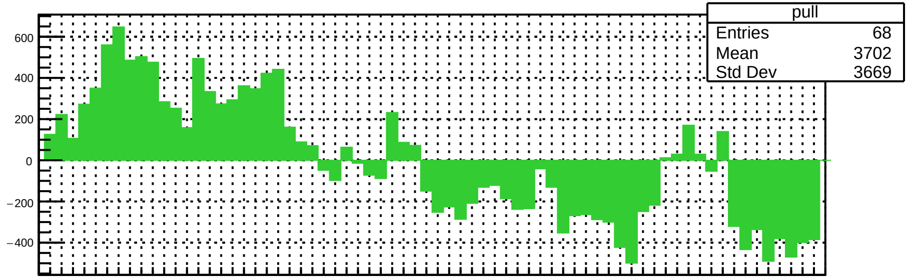

pull
Entries 68
Mean 797.7
Std Dev 772.5

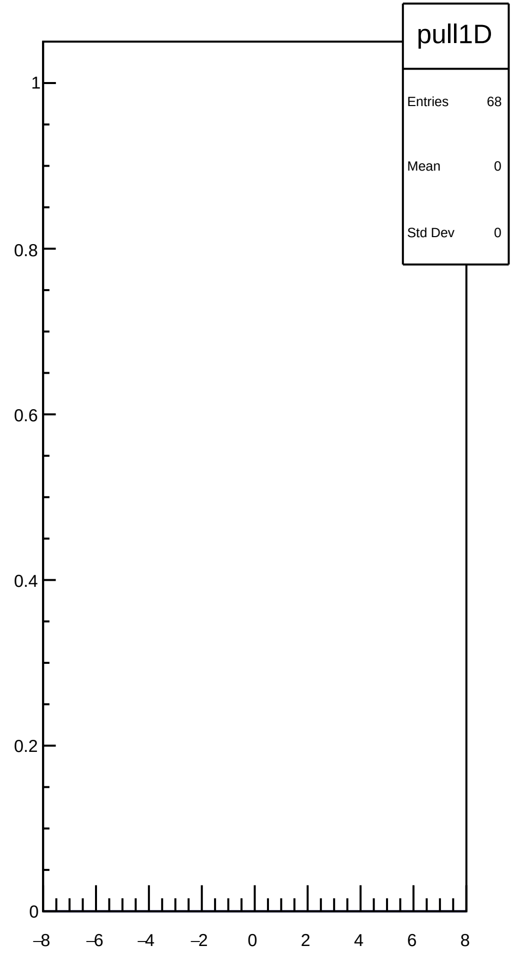

pull1D
Entries 68
Mean −5.686
Std Dev 0

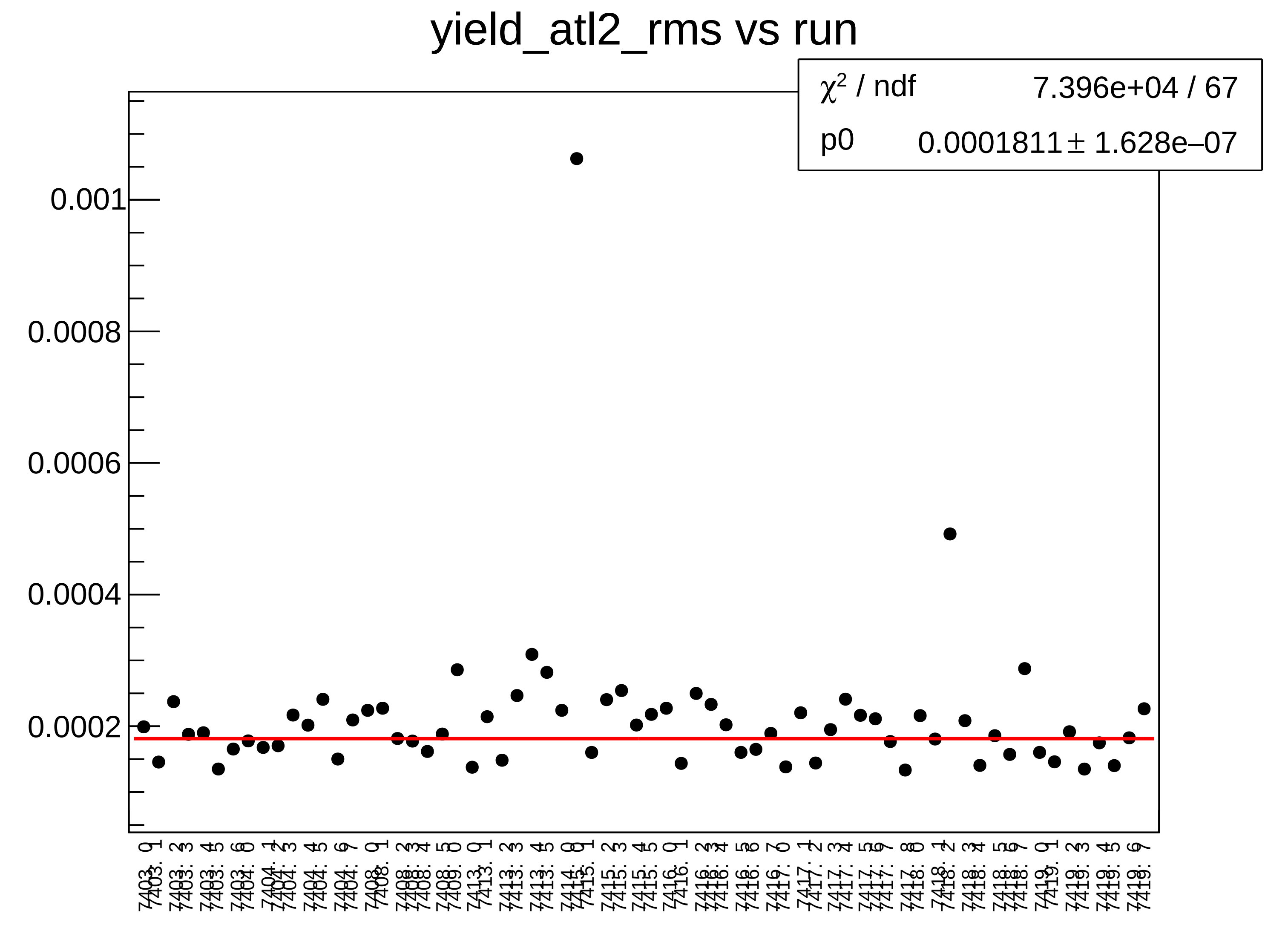


yield_atl1_rms vs run
$\times 10^{-6}$
χ^2 / ndf 5304 / 67
p0 6.687e−05 ± 5.849e−08
85
80
75
70
65
60

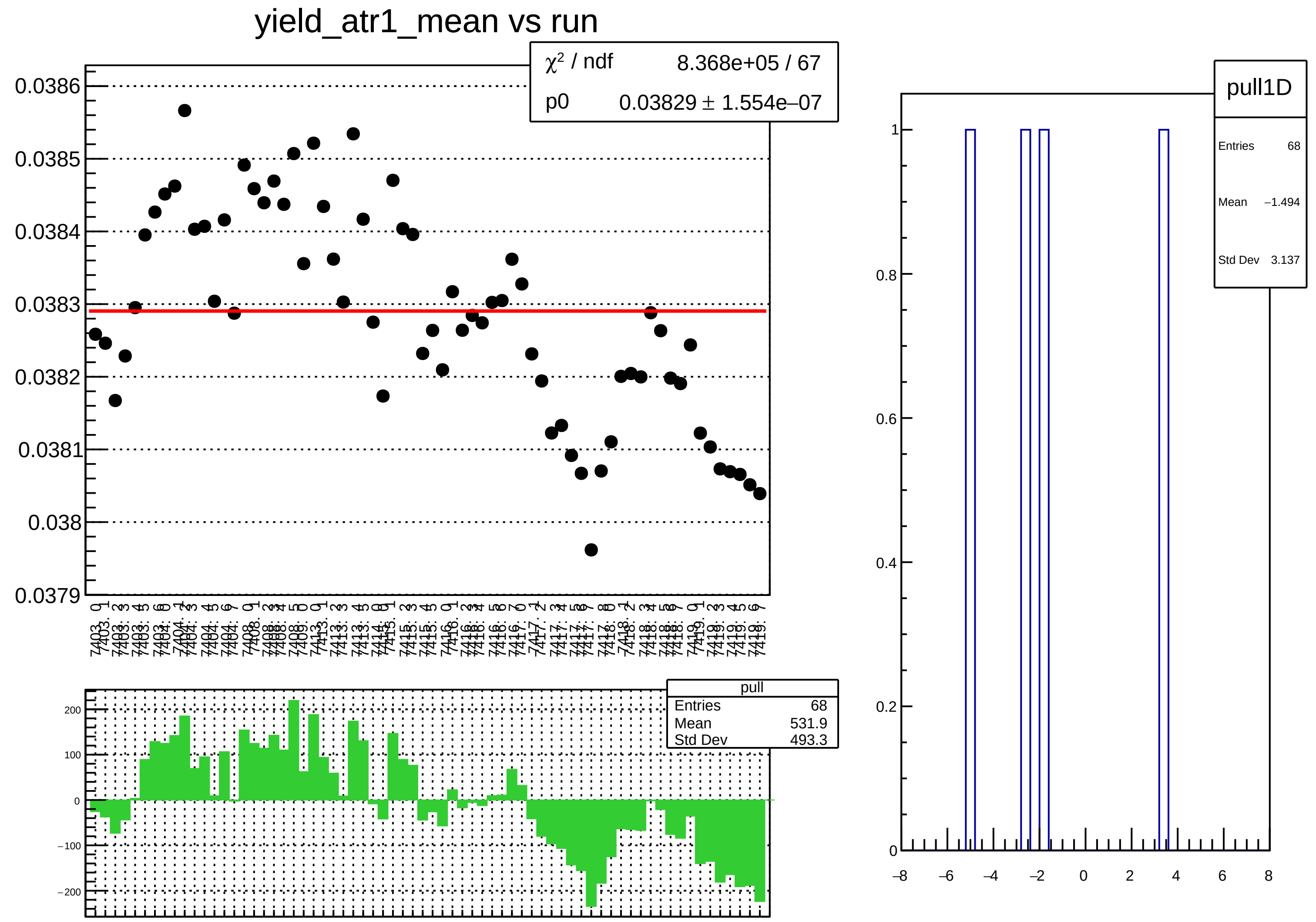

yield_atl2_mean vs run
χ^2 / ndf 5.977e+06 / 67
p0 0.0195 ± 2.302e−07
0.0205
0.02
0.0195
0.019
0.0185


pull
Entries 68
Mean 3702
Std Dev 3669
600
400
200
0
−200
−400

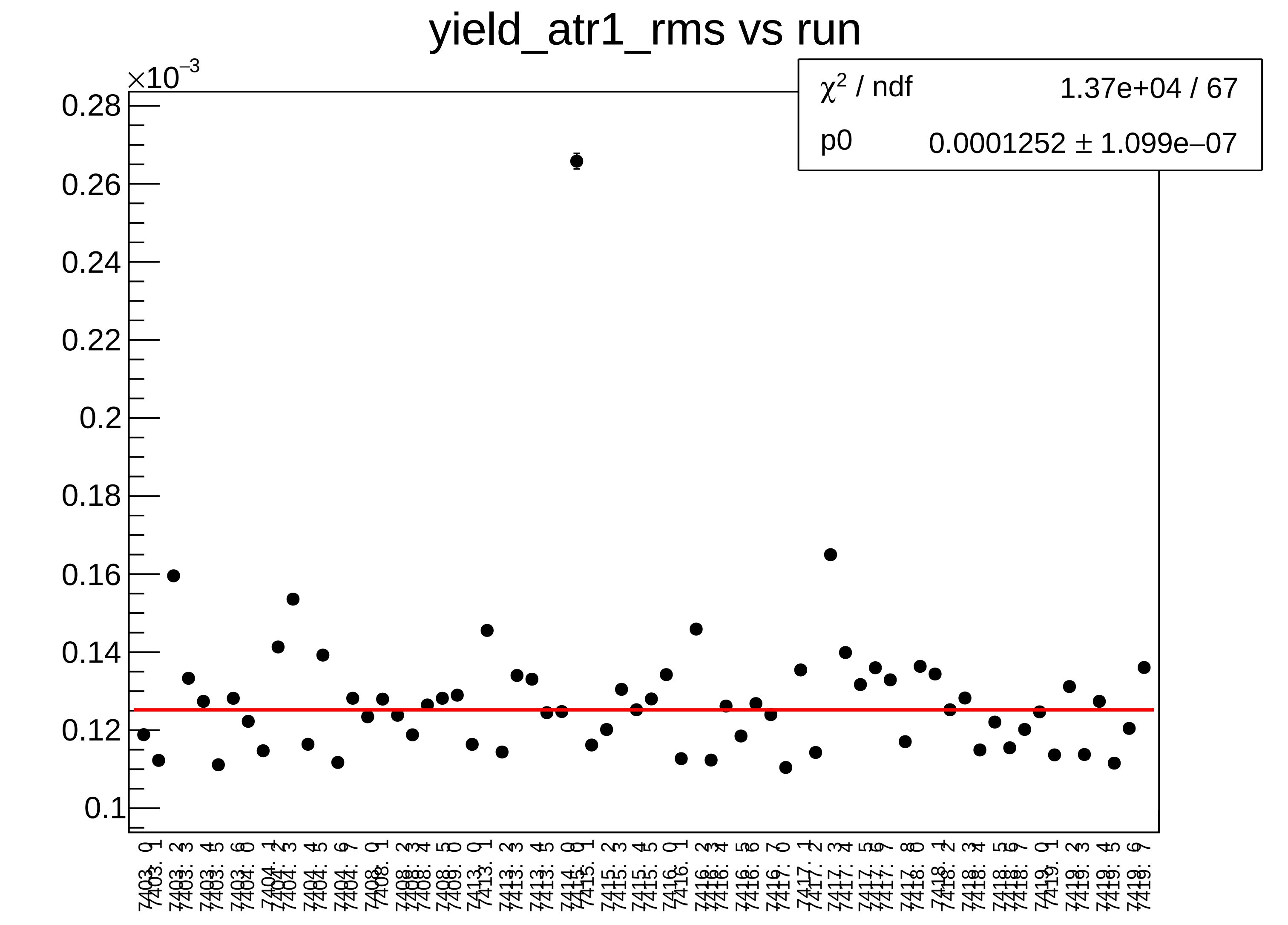

pull1D
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

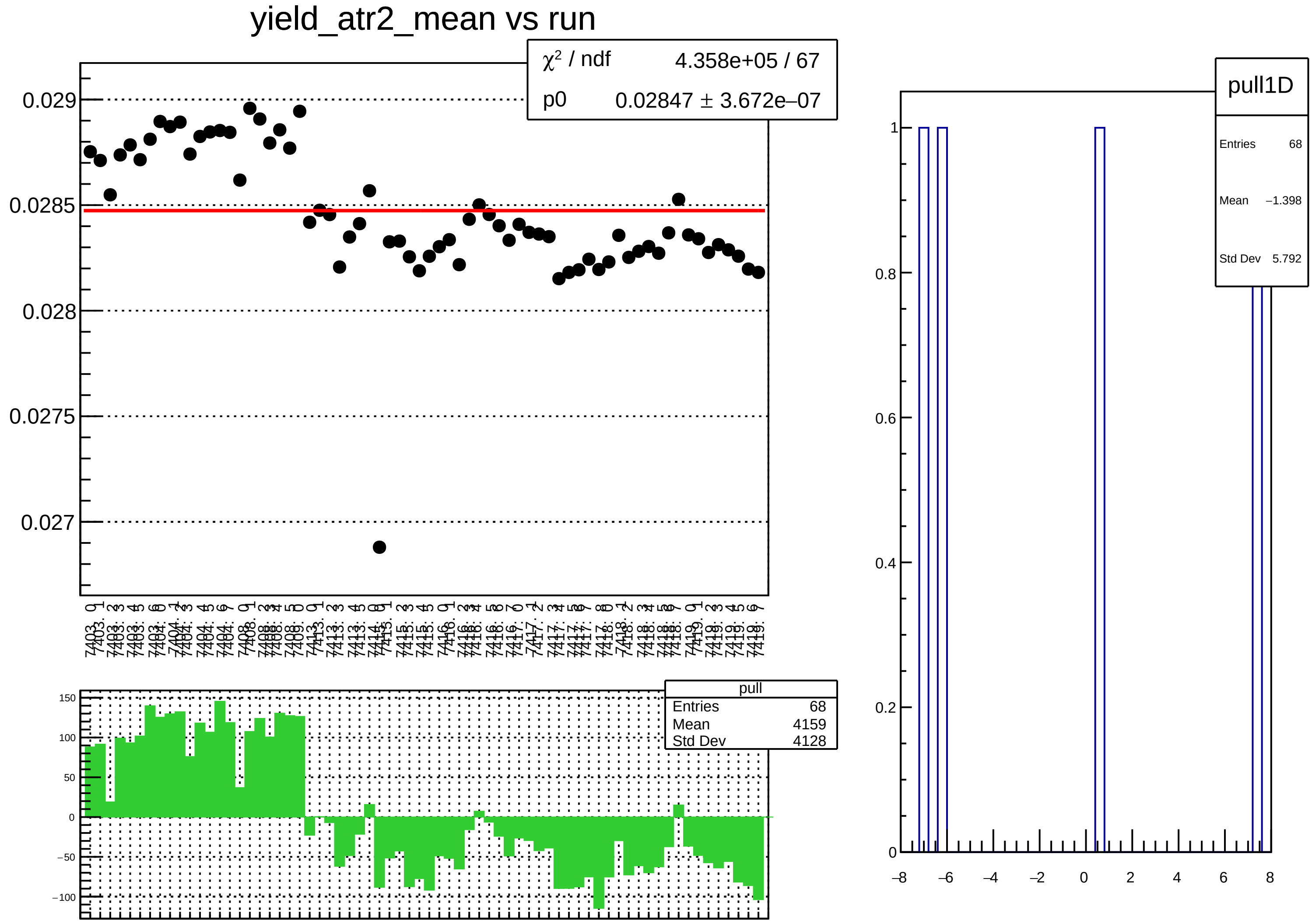


yield_atl2_rms vs run
χ2 / ndf 7.396e+04 / 67
p0 0.0001811 ± 1.628e−07
0.001
0.0008
0.0006
0.0004
0.0002



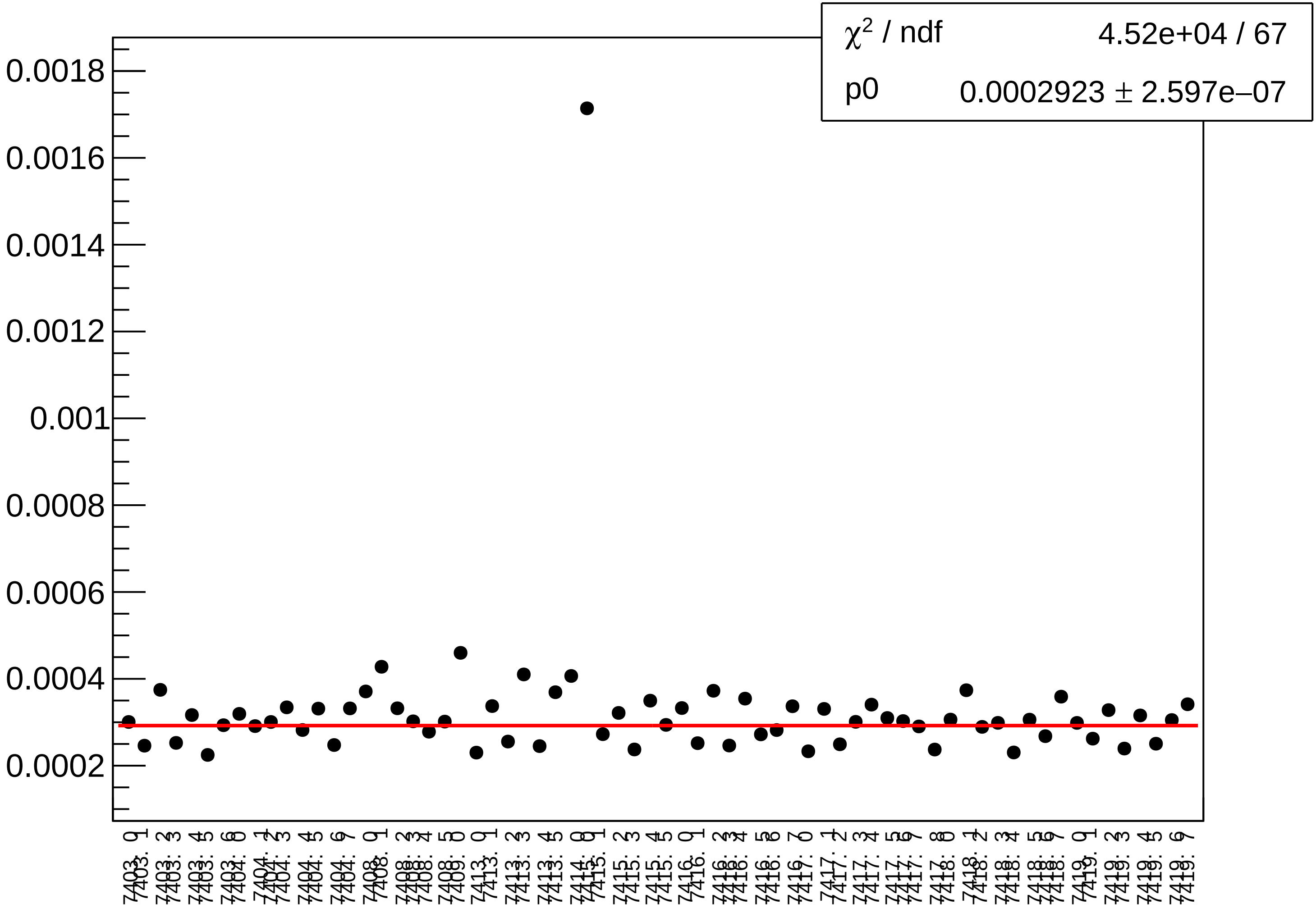
yield_atr1_mean vs run
χ^2 / ndf 8.368e+05 / 67
p0 0.03829 ± 1.554e−07
0.0386
0.0385
0.0384
0.0383
0.0382
0.0381
0.038
0.0379
pull
Entries 68
Mean 531.9
Std Dev 493.3
200
100
0
−100
−200
pull1D
Entries 68
Mean −1.494
Std Dev 3.137
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

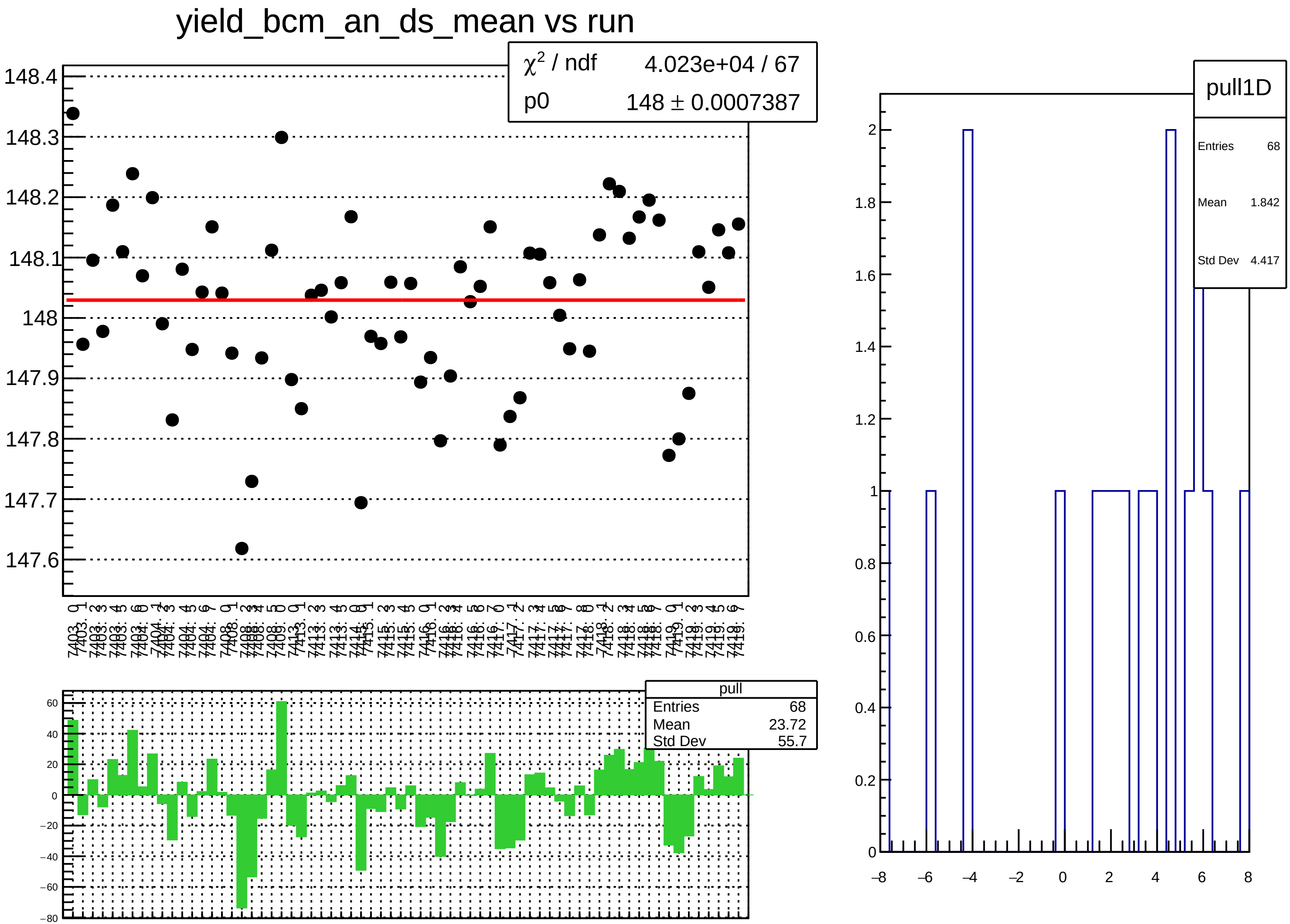

yield_atr1_rms vs run
$\times 10^{-3}$
χ^2 / ndf 1.37e+04 / 67
p0 0.0001252 ± 1.099e−07
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1

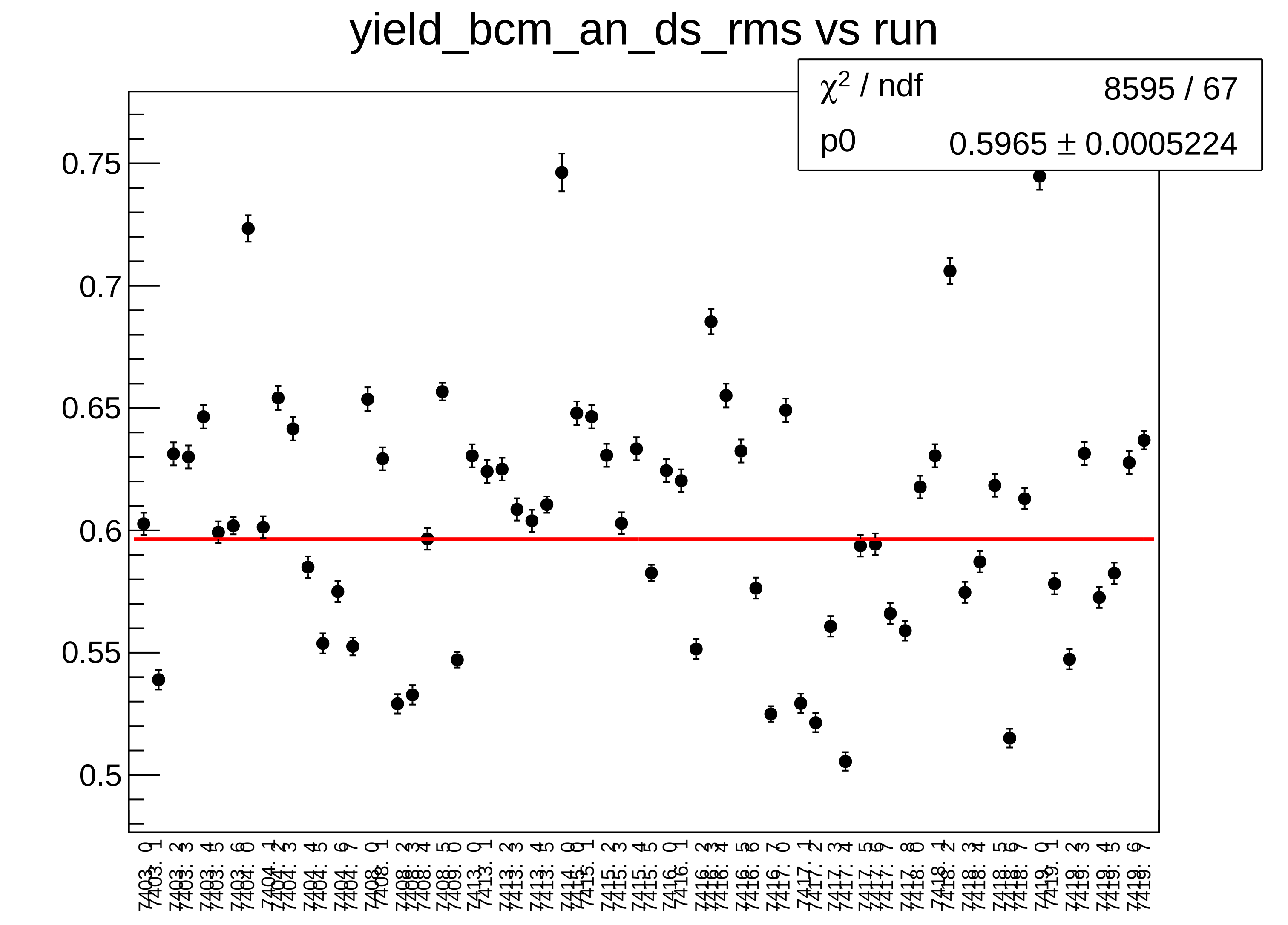


yield_atr2_mean vs run
χ2 / ndf 4.358e+05 / 67
p0 0.02847 ± 3.672e−07
0.029
0.0285
0.028
0.0275
0.027
pull
Entries 68
Mean 4159
Std Dev 4128
150
100
50
0
−50
−100
pull1D
Entries 68
Mean −1.398
Std Dev 5.792
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

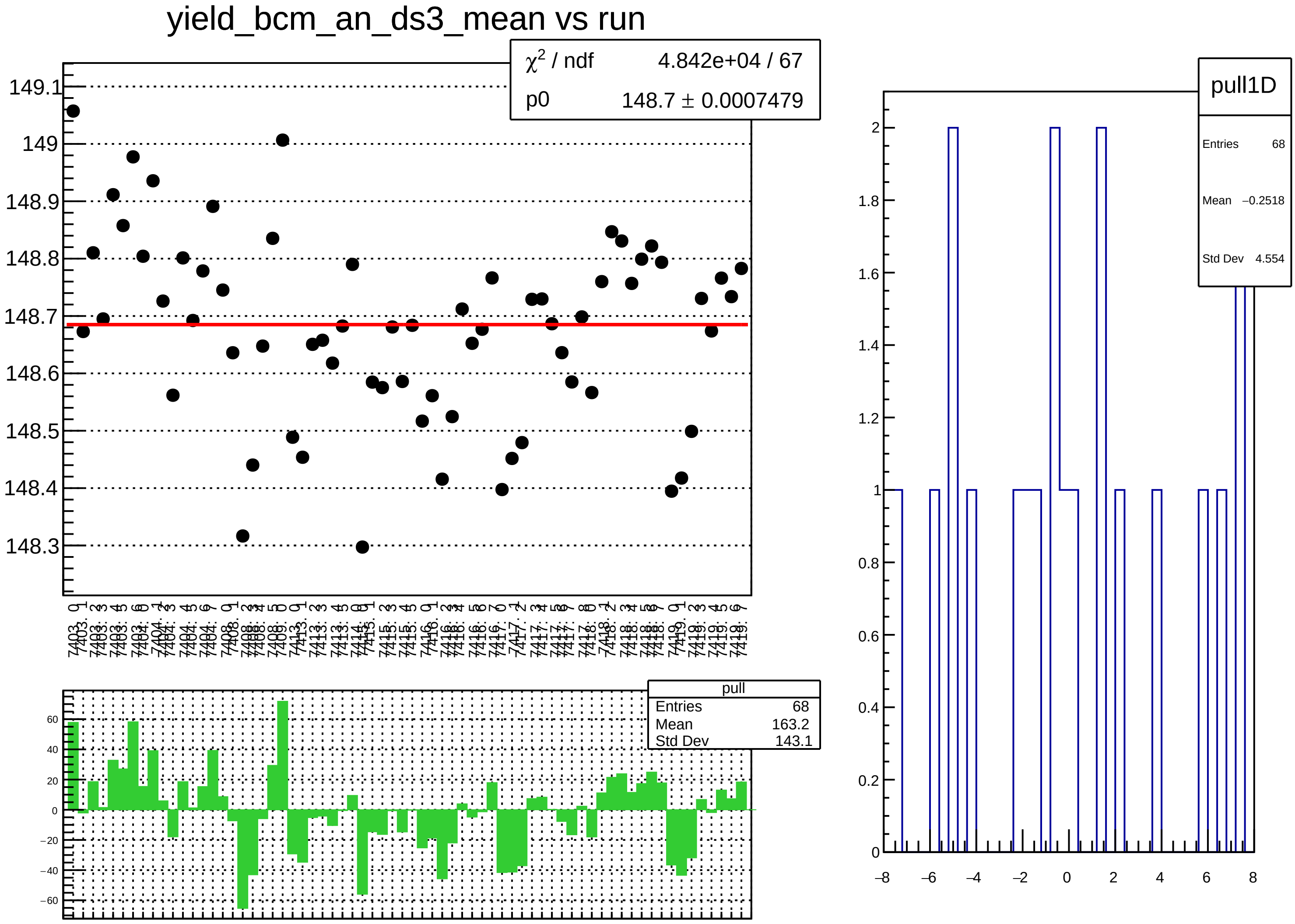
yield_atr2_rms vs run



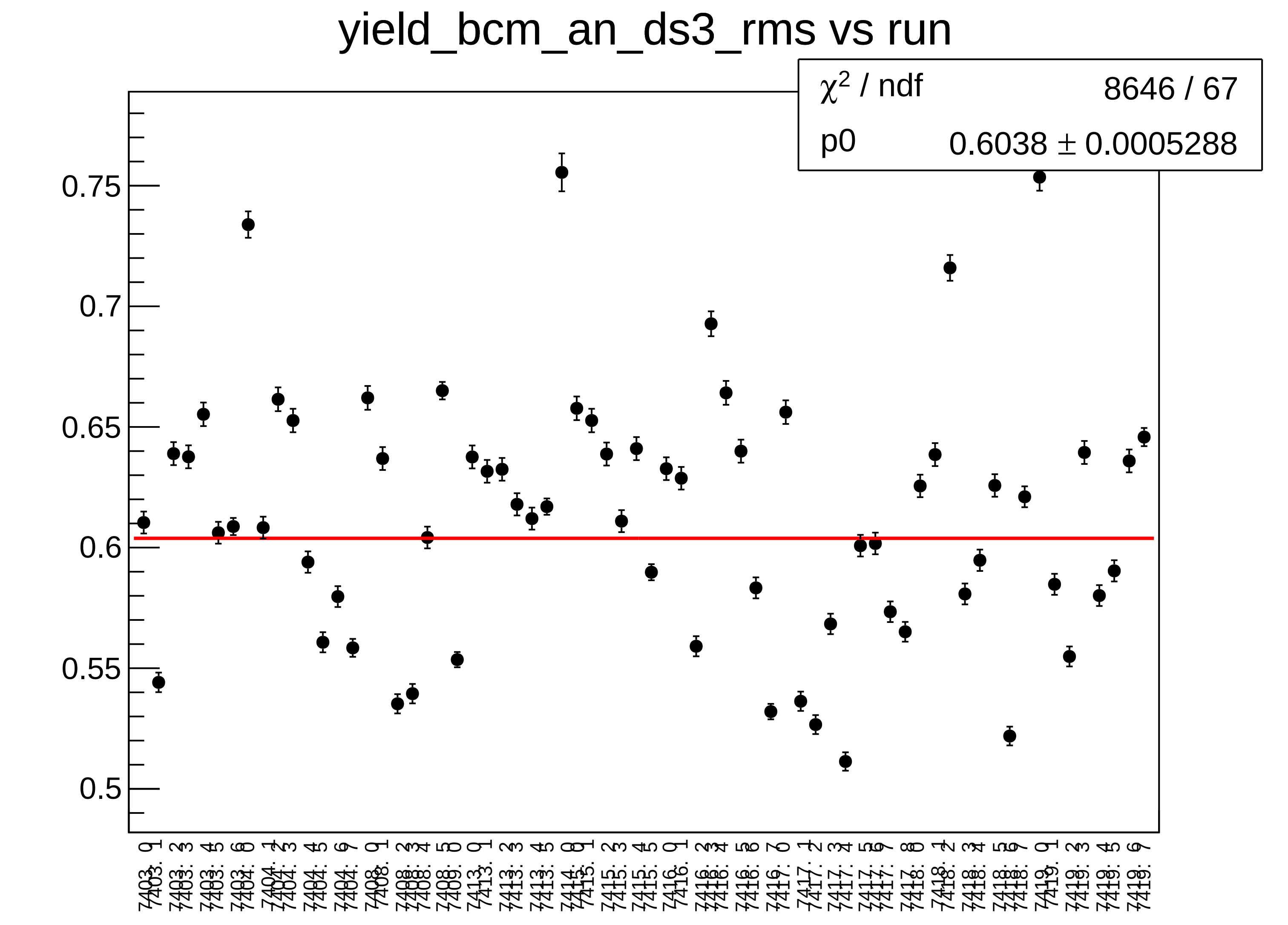

yield_bcm_an_ds_mean vs run
χ^2 / ndf 4.023e+04 / 67
p0 148 ± 0.0007387
pull
Entries 68
Mean 23.72
Std Dev 55.7
pull1D
Entries 68
Mean 1.842
Std Dev 4.417

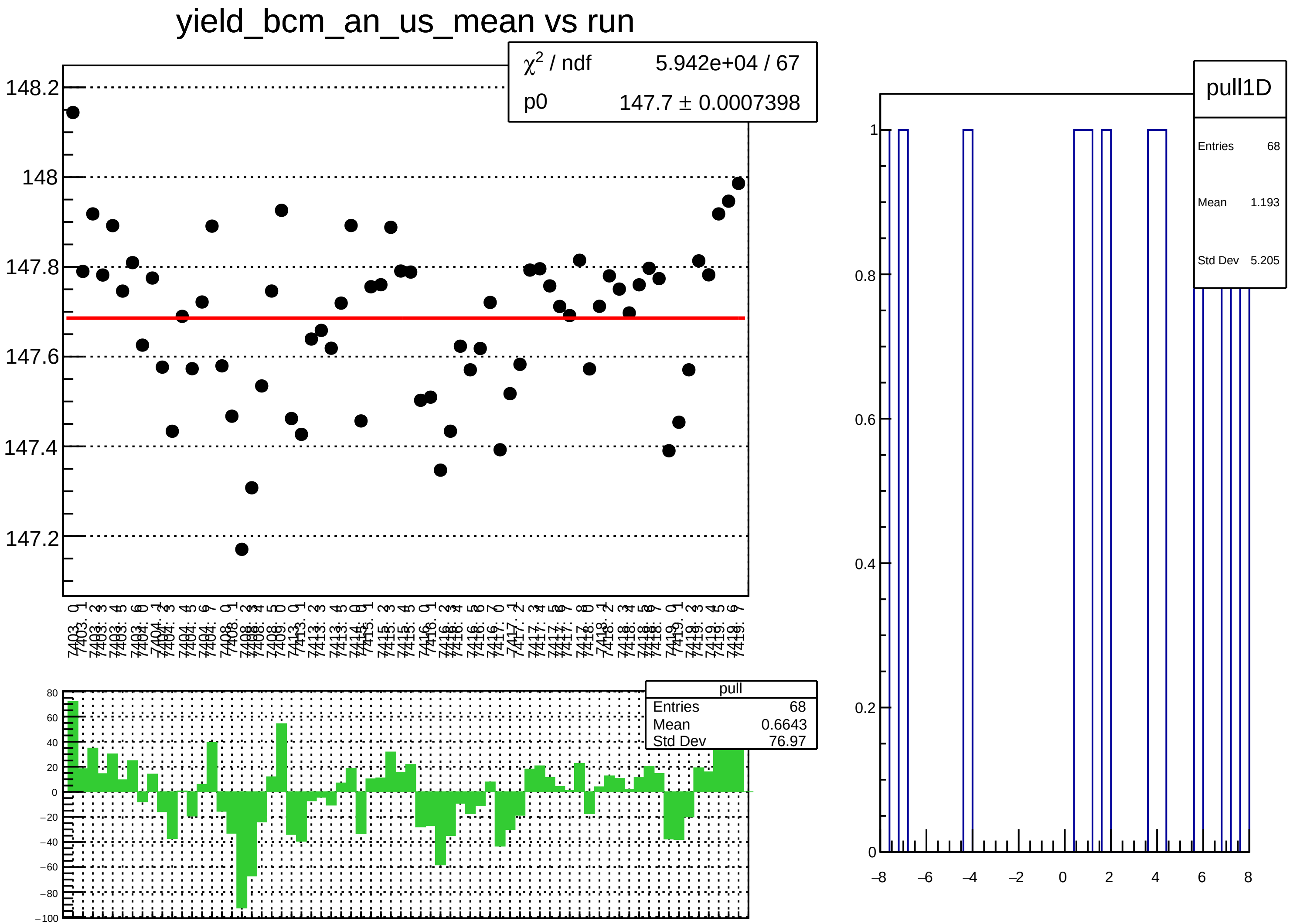


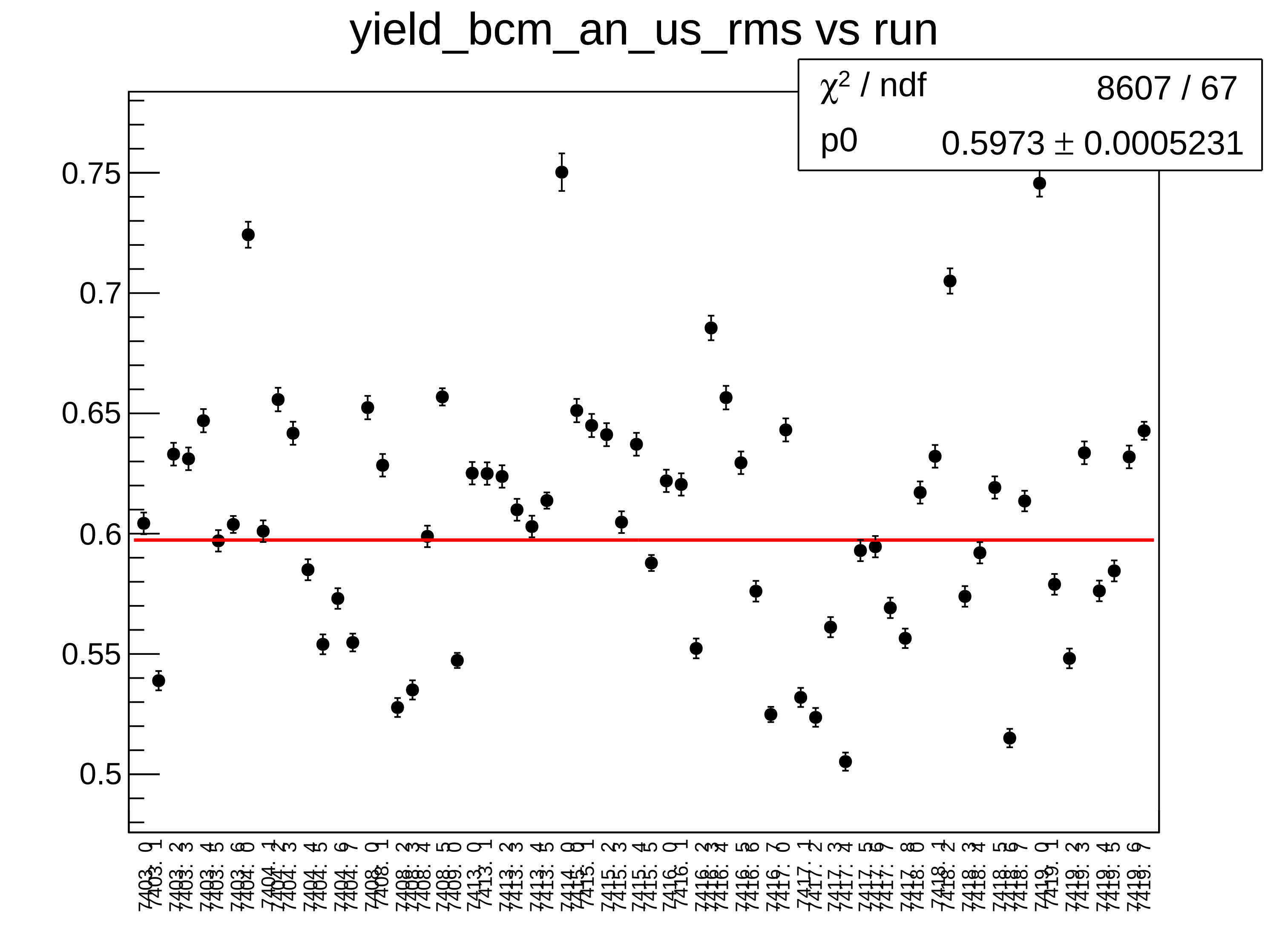
yield_bcm_an_ds_rms vs run
χ^2 / ndf 8595 / 67
p0 0.5965 ± 0.0005224
0.75
0.7
0.65
0.6
0.55
0.5

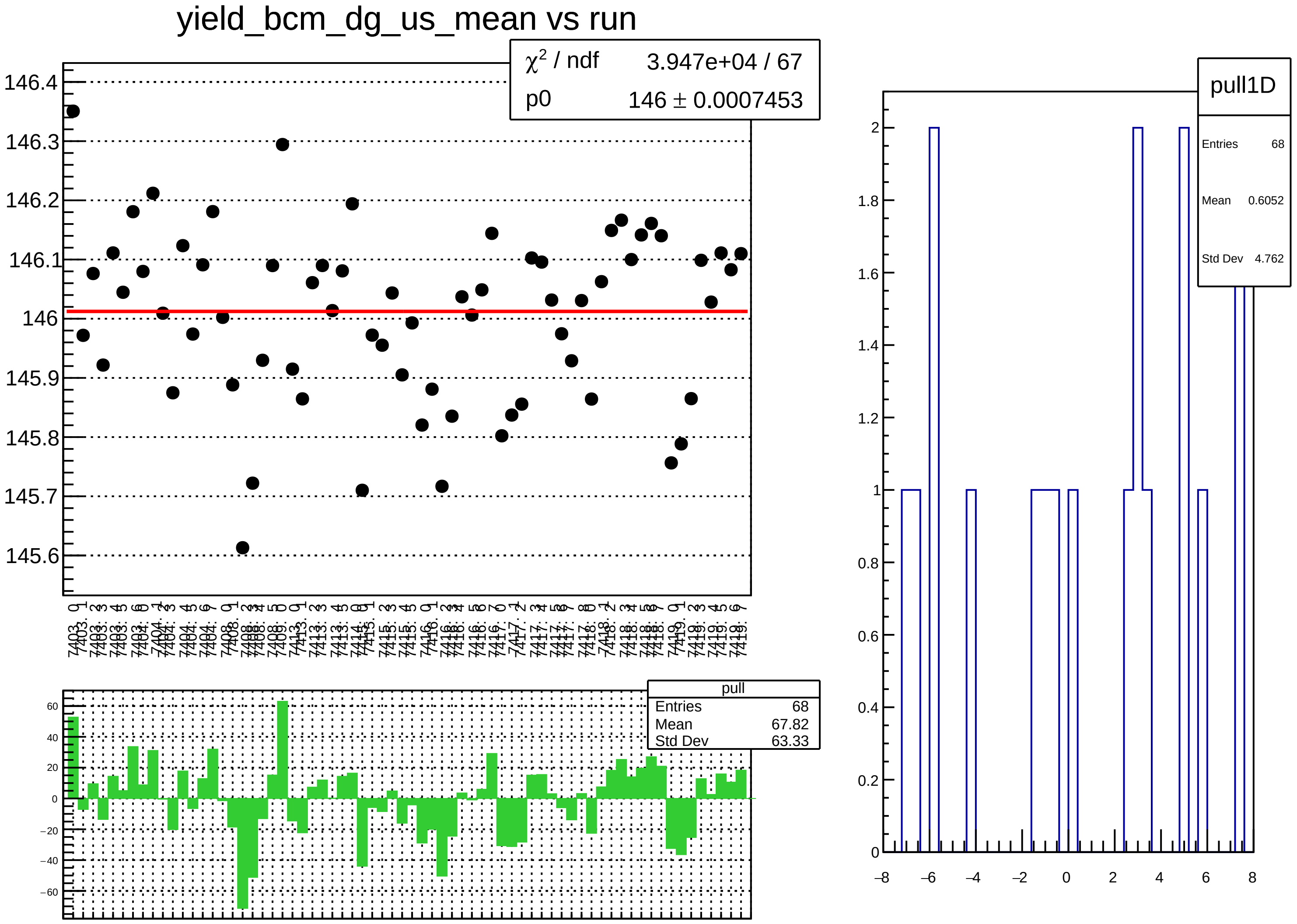


yield_bcm_an_ds3_mean vs run
χ^2 / ndf 4.842e+04 / 67
p0 148.7 ± 0.0007479
pull
Entries 68
Mean 163.2
Std Dev 143.1
pull1D
Entries 68
Mean −0.2518
Std Dev 4.554

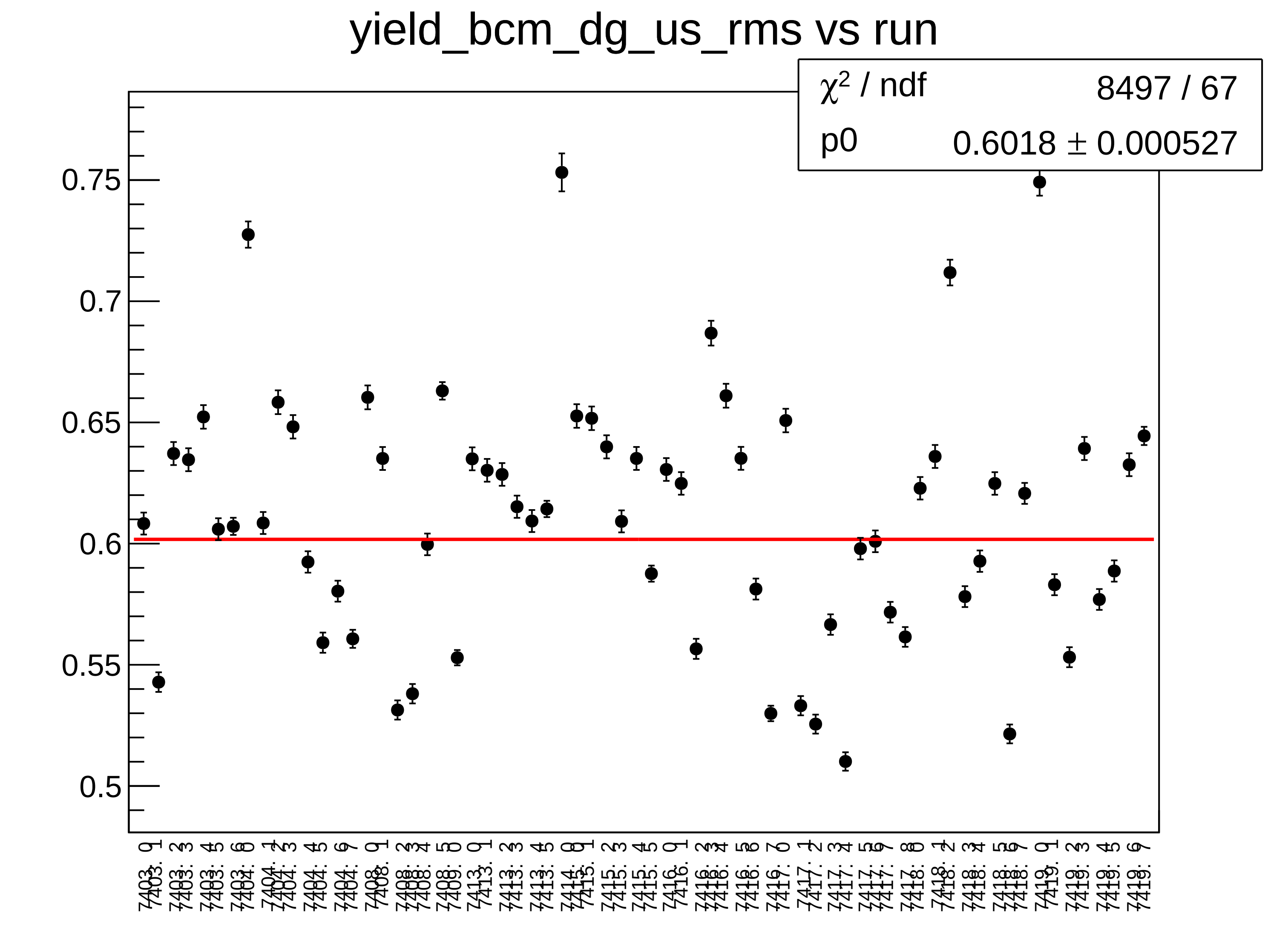

yield_bcm_an_ds3_rms vs run
χ2 / ndf 8646 / 67
p0 0.6038 ± 0.0005288
0.75
0.7
0.65
0.6
0.55
0.5


yield_bcm_an_us_mean vs run
χ^2 / ndf 5.942e+04 / 67
p0 147.7 ± 0.0007398
pull
Entries 68
Mean 0.6643
Std Dev 76.97
pull1D
Entries 68
Mean 1.193
Std Dev 5.205

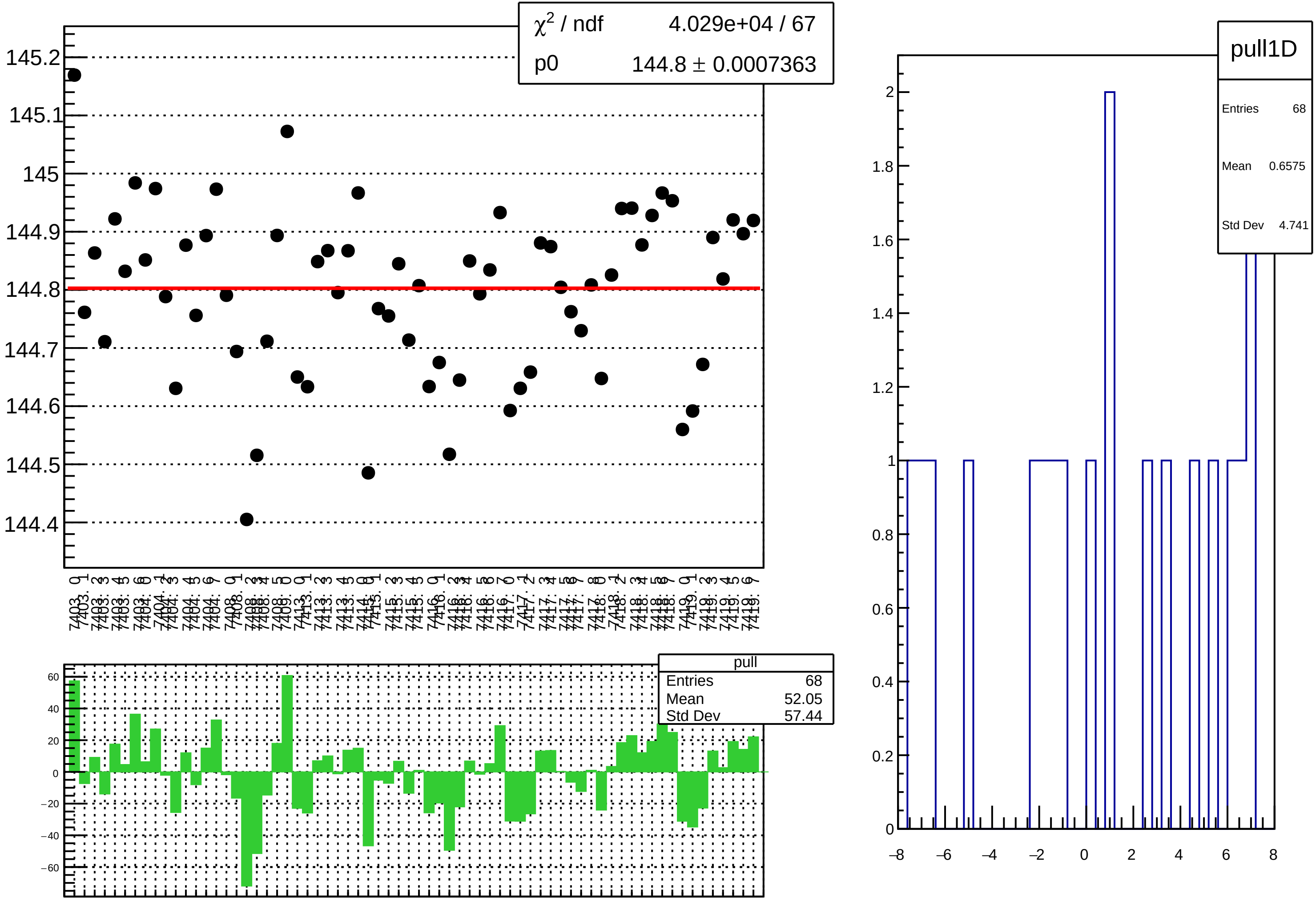

yield_bcm_an_us_rms vs run
χ2 / ndf 8607 / 67
p0 0.5973 ± 0.0005231
0.75
0.7
0.65
0.6
0.55
0.5

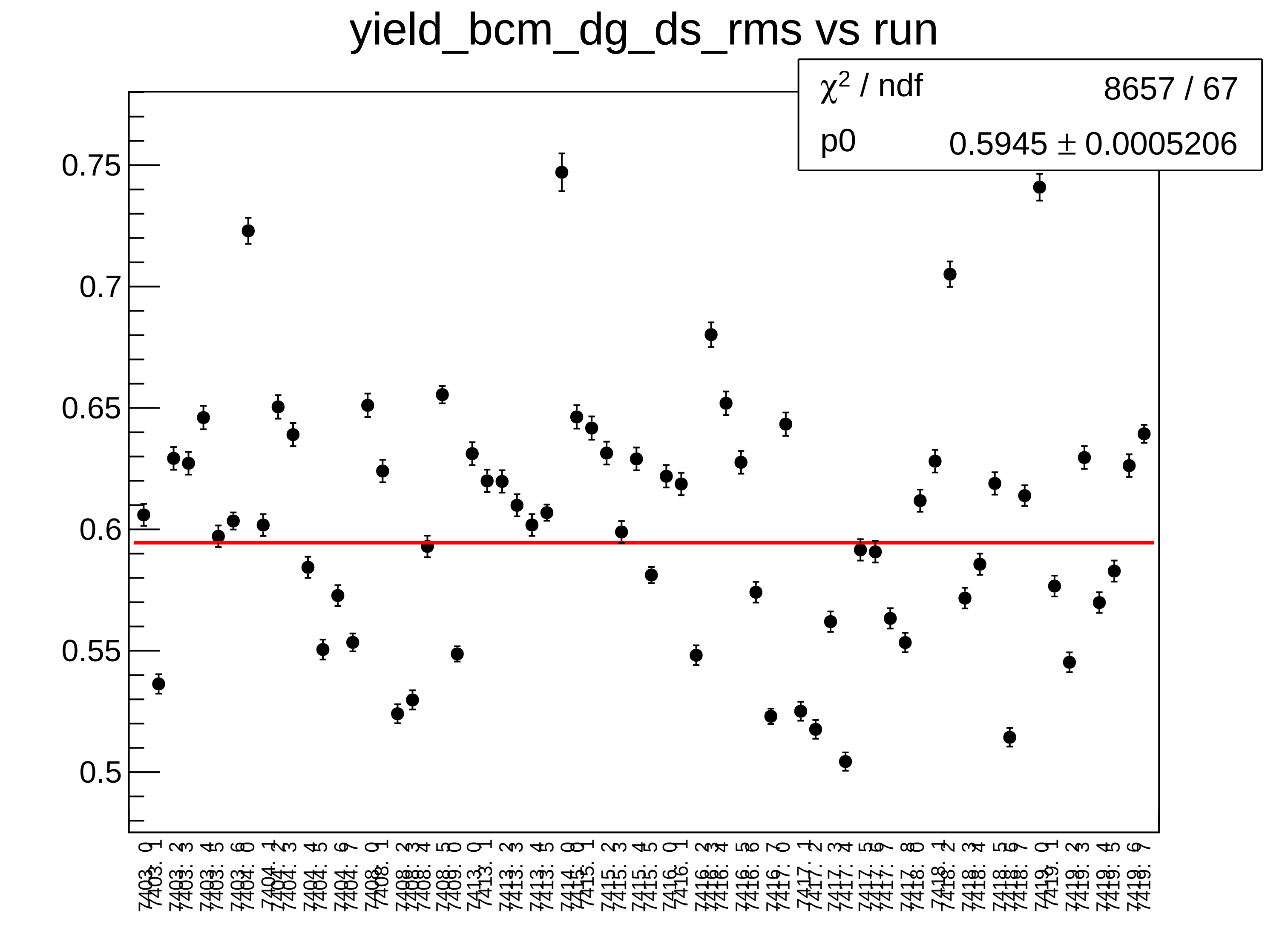


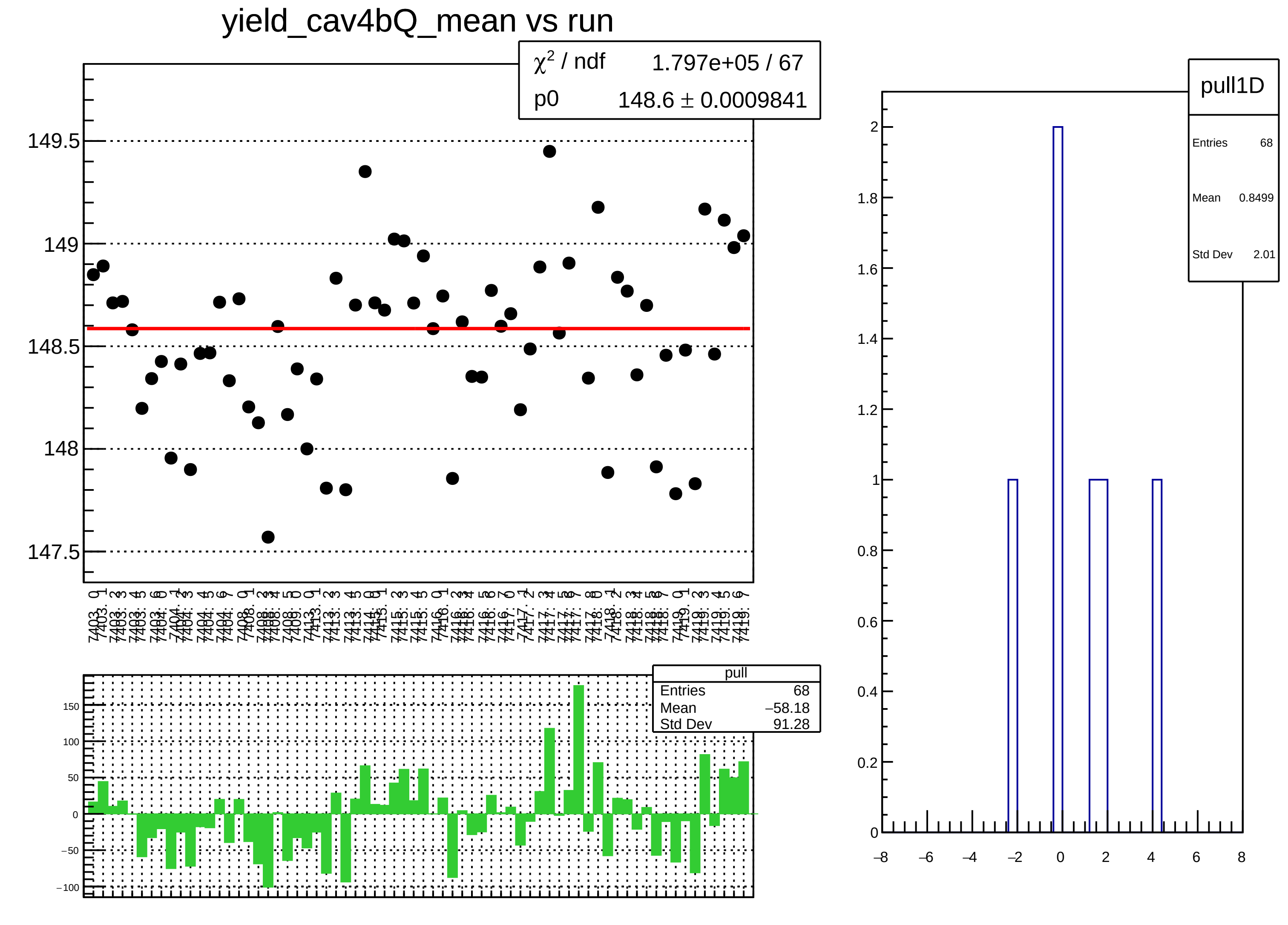
yield_bcm_dg_us_mean vs run
χ^2 / ndf 3.947e+04 / 67
p0 146 ± 0.0007453
pull
Entries 68
Mean 67.82
Std Dev 63.33
pull1D
Entries 68
Mean 0.6052
Std Dev 4.762


yield_bcm_dg_us_rms vs run
χ^2 / ndf 8497 / 67
p0 0.6018 ± 0.000527
0.75
0.7
0.65
0.6
0.55
0.5

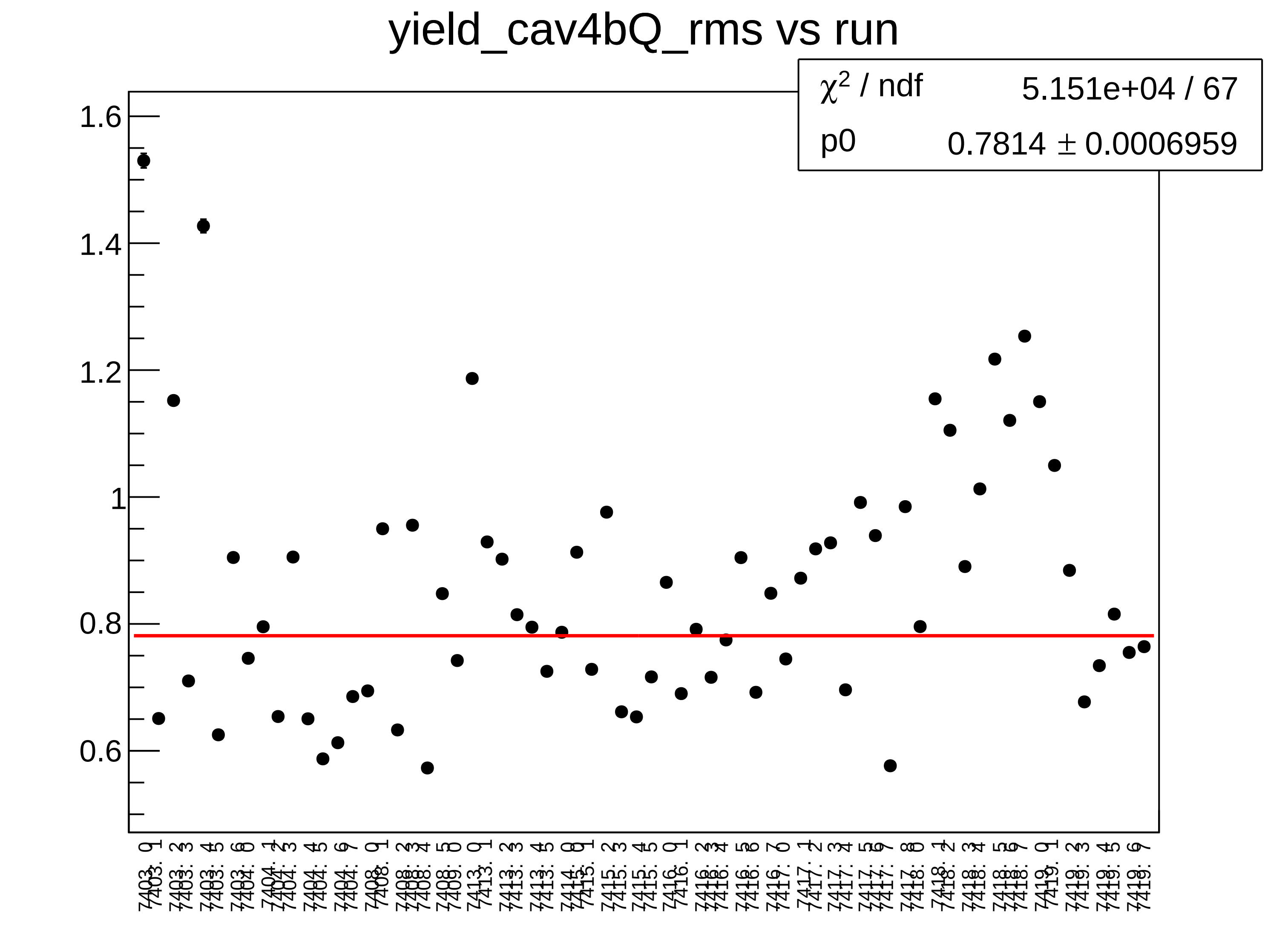
yield_bcm_dg_ds_mean vs run



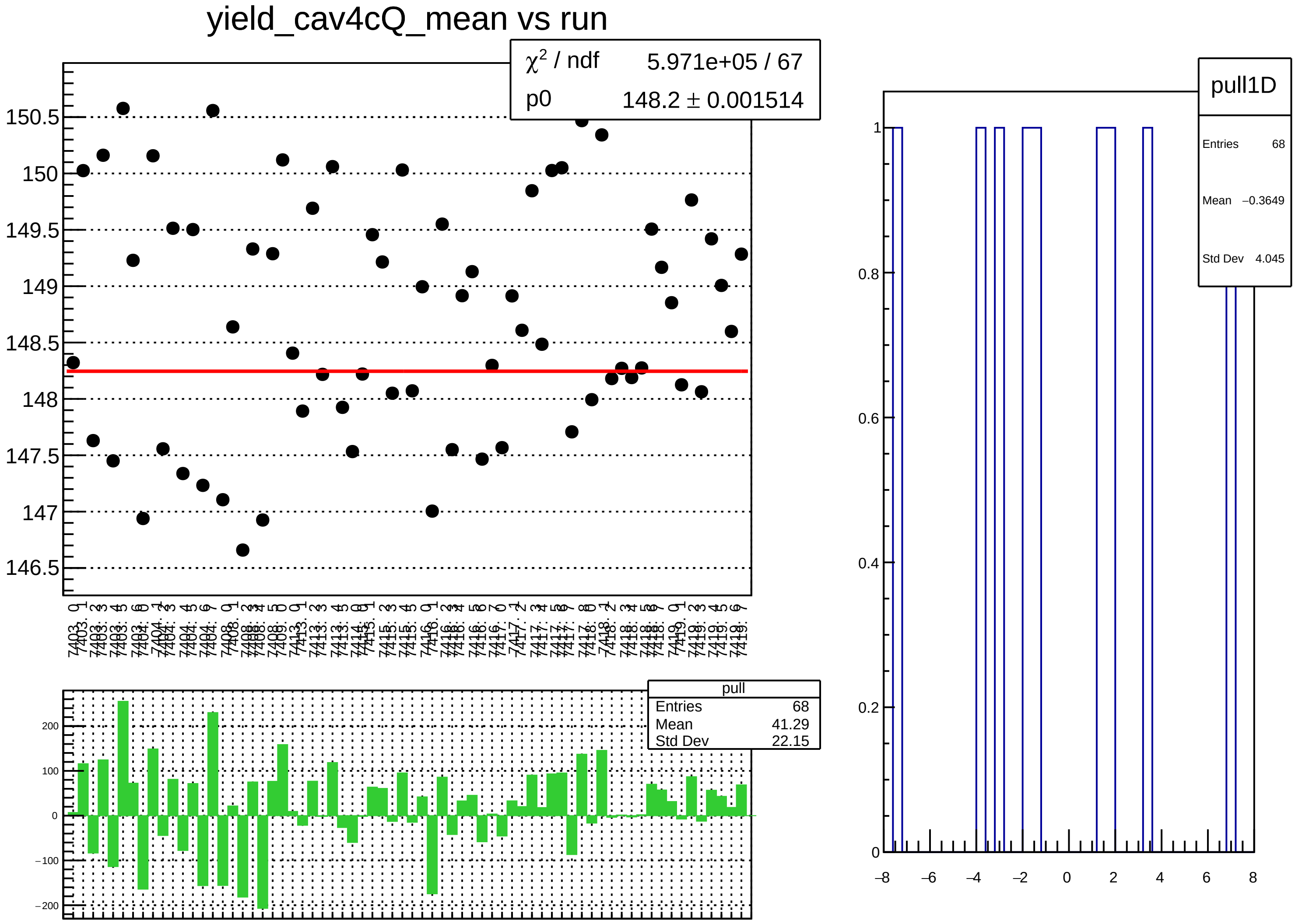

yield_bcm_dg_ds_rms vs run
χ2 / ndf 8657 / 67
p0 0.5945 ± 0.0005206
0.75
0.7
0.65
0.6
0.55
0.5



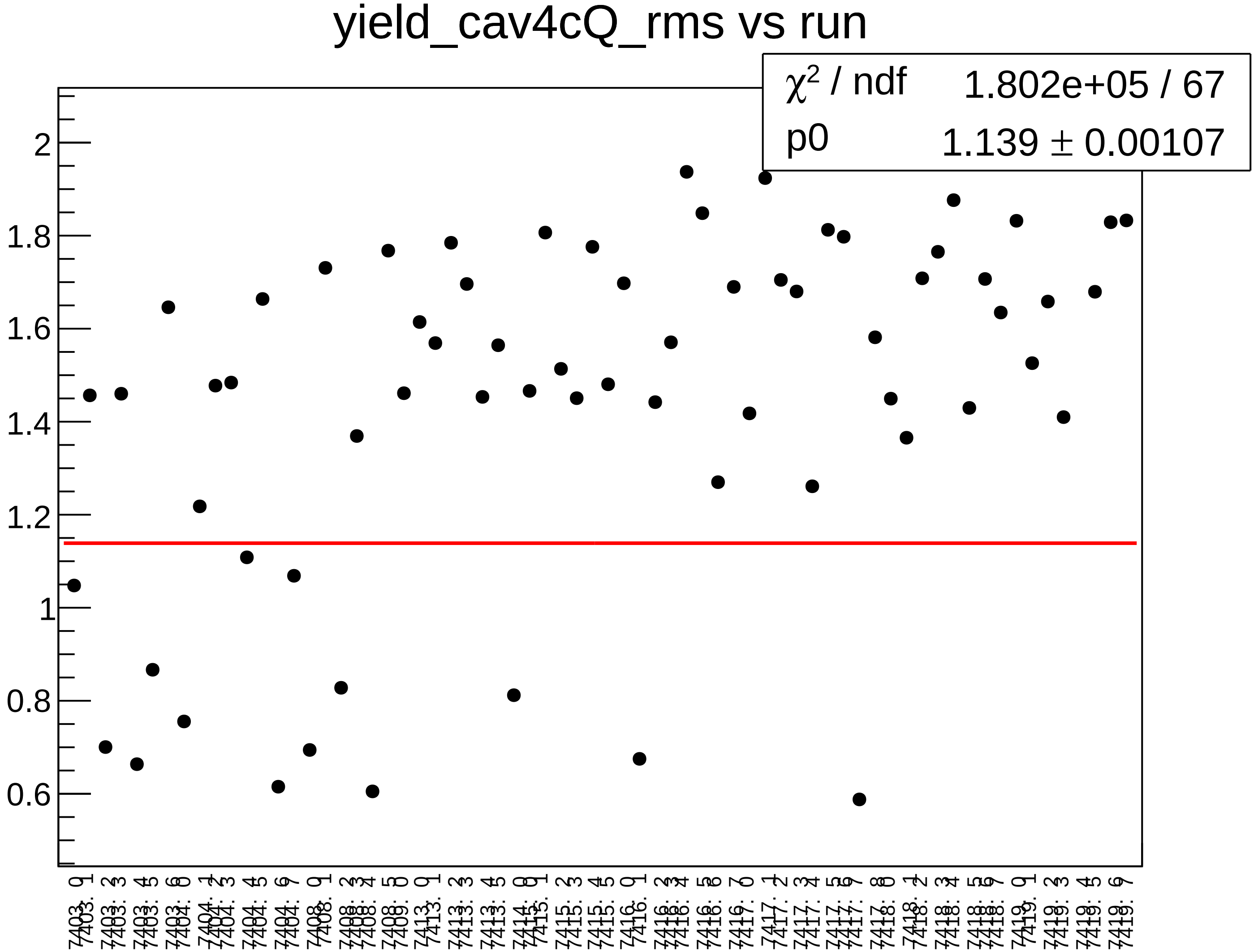
yield_cav4bQ_mean vs run
χ^2 / ndf 1.797e+05 / 67
p0 148.6 ± 0.0009841
pull
Entries 68
Mean −58.18
Std Dev 91.28
pull1D
Entries 68
Mean 0.8499
Std Dev 2.01

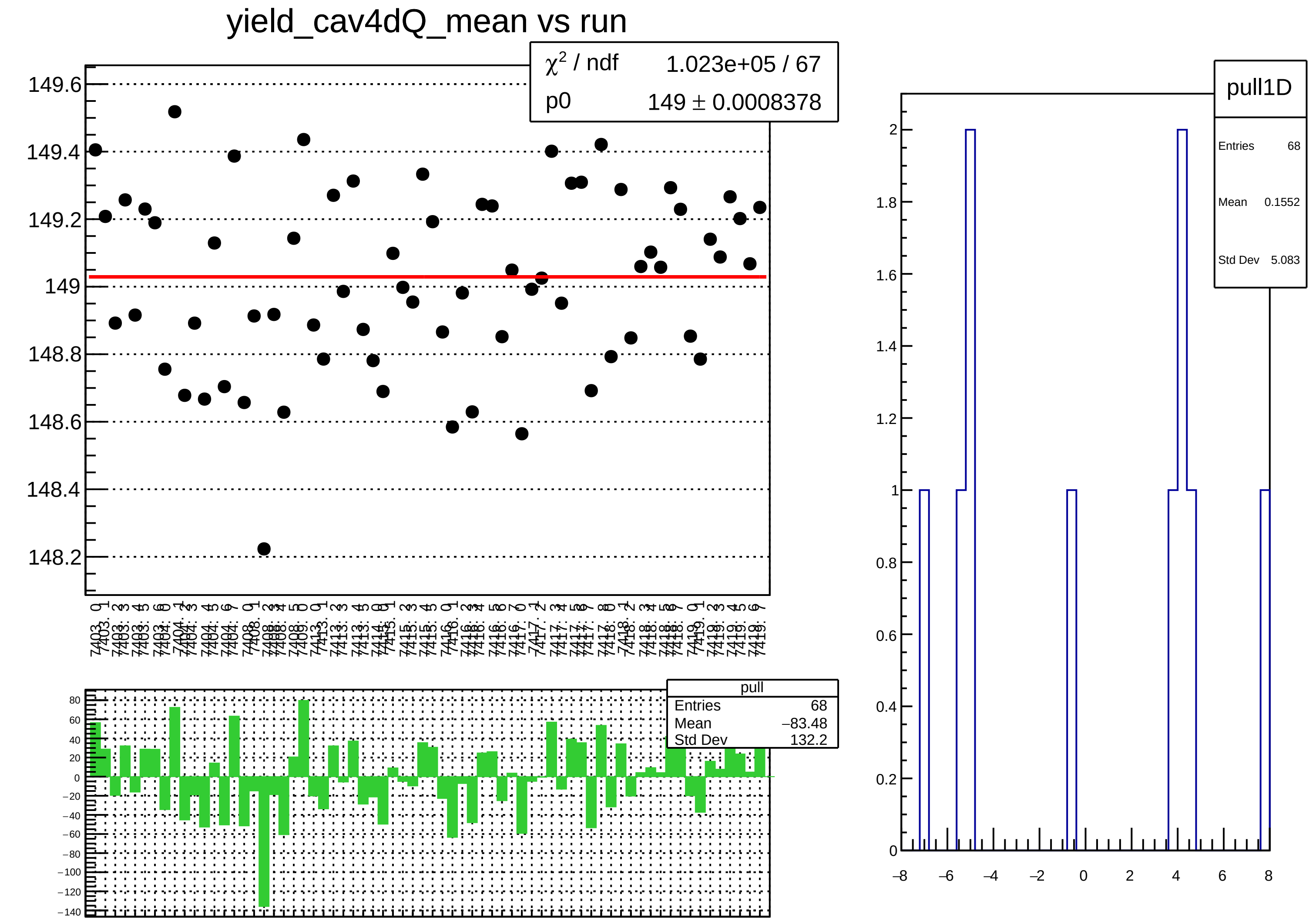


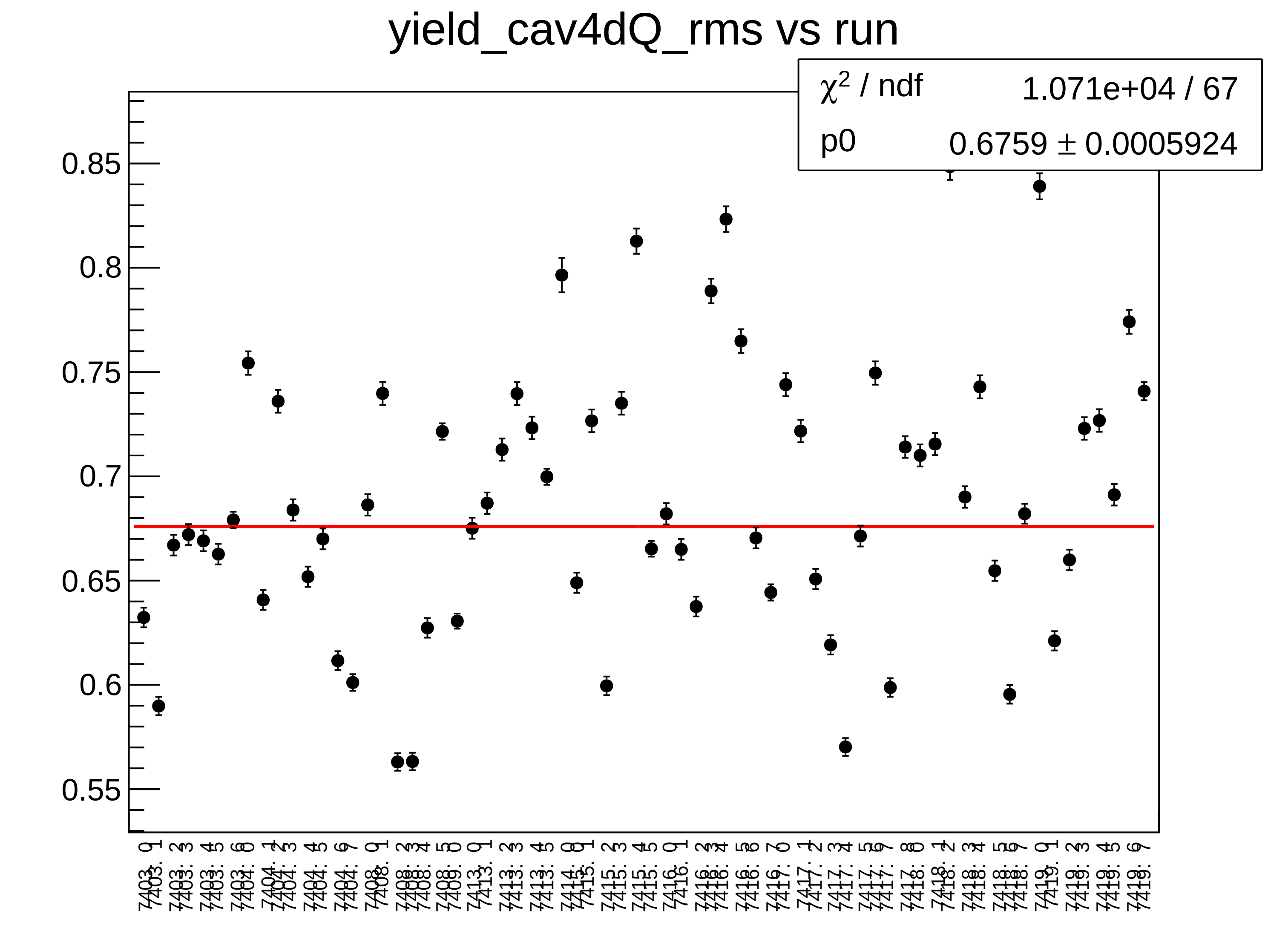
yield_cav4bQ_rms vs run
χ^2 / ndf 5.151e+04 / 67
p0 0.7814 ± 0.0006959
1.6
1.4
1.2
1
0.8
0.6



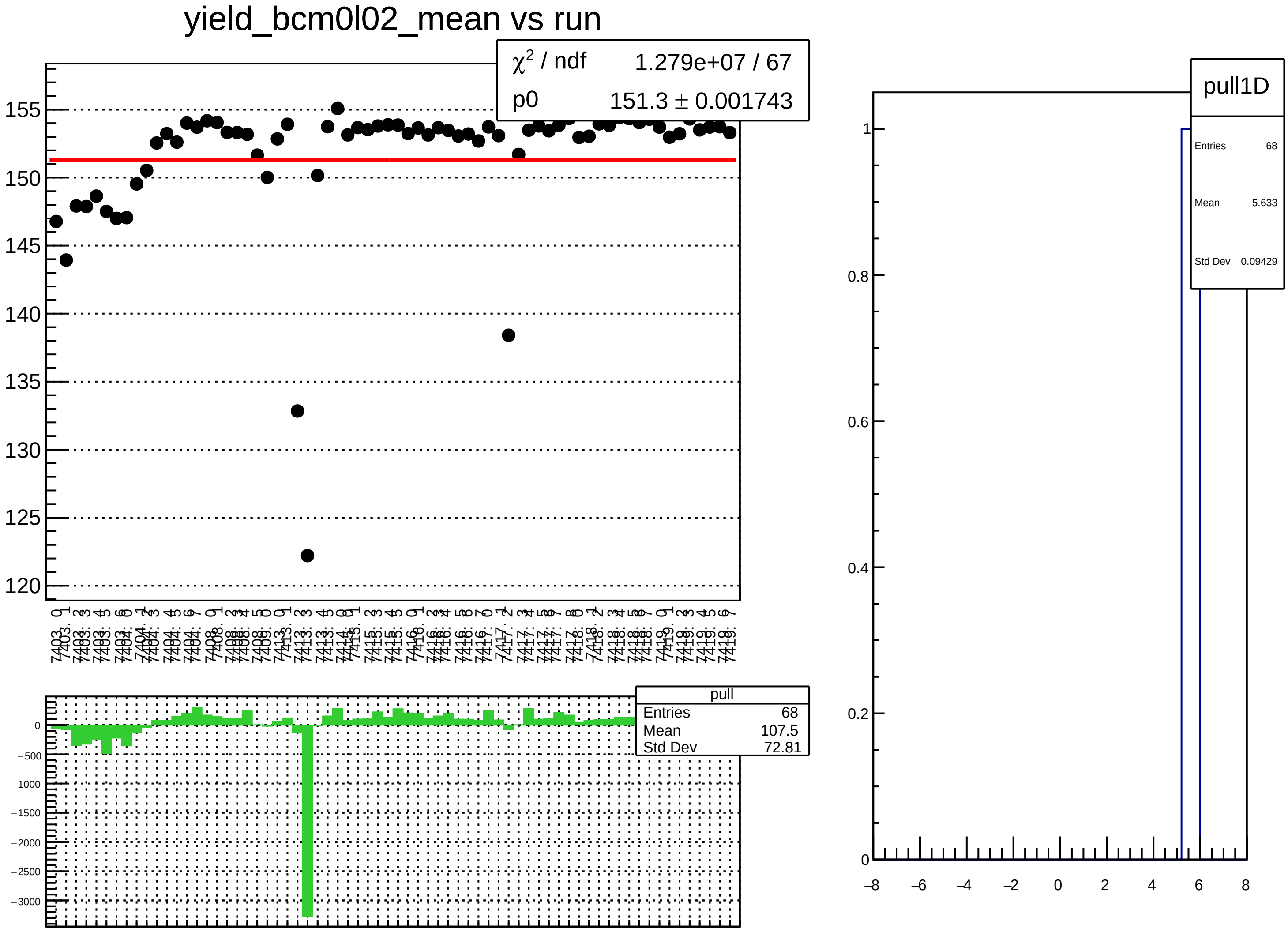
yield_cav4cQ_mean vs run
χ2 / ndf 5.971e+05 / 67
p0 148.2 ± 0.001514
pull
Entries 68
Mean 41.29
Std Dev 22.15
pull1D
Entries 68
Mean −0.3649
Std Dev 4.045

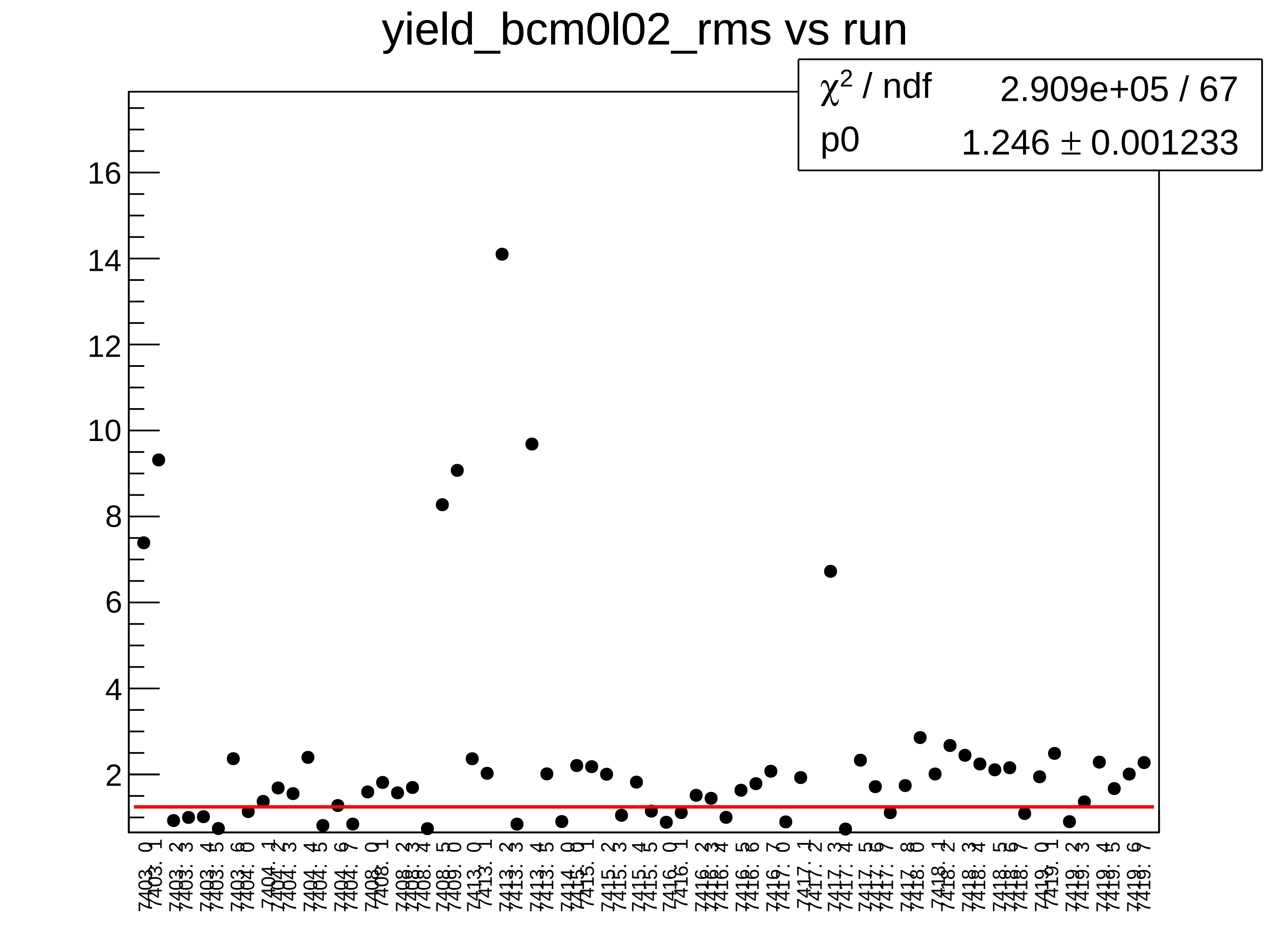



yield_cav4dQ_mean vs run
χ2 / ndf 1.023e+05 / 67
p0 149 ± 0.0008378
pull
Entries 68
Mean −83.48
Std Dev 132.2
pull1D
Entries 68
Mean 0.1552
Std Dev 5.083

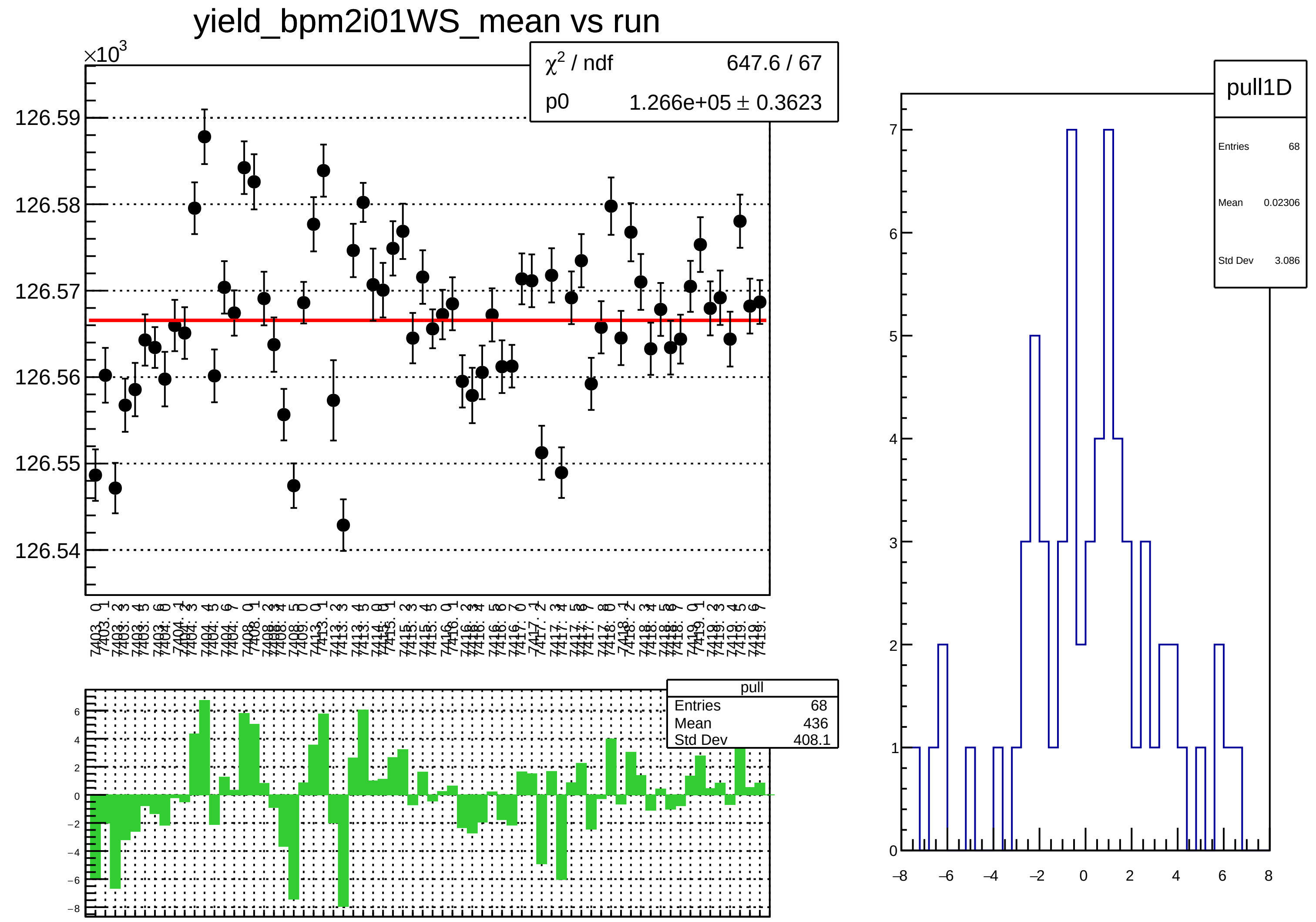


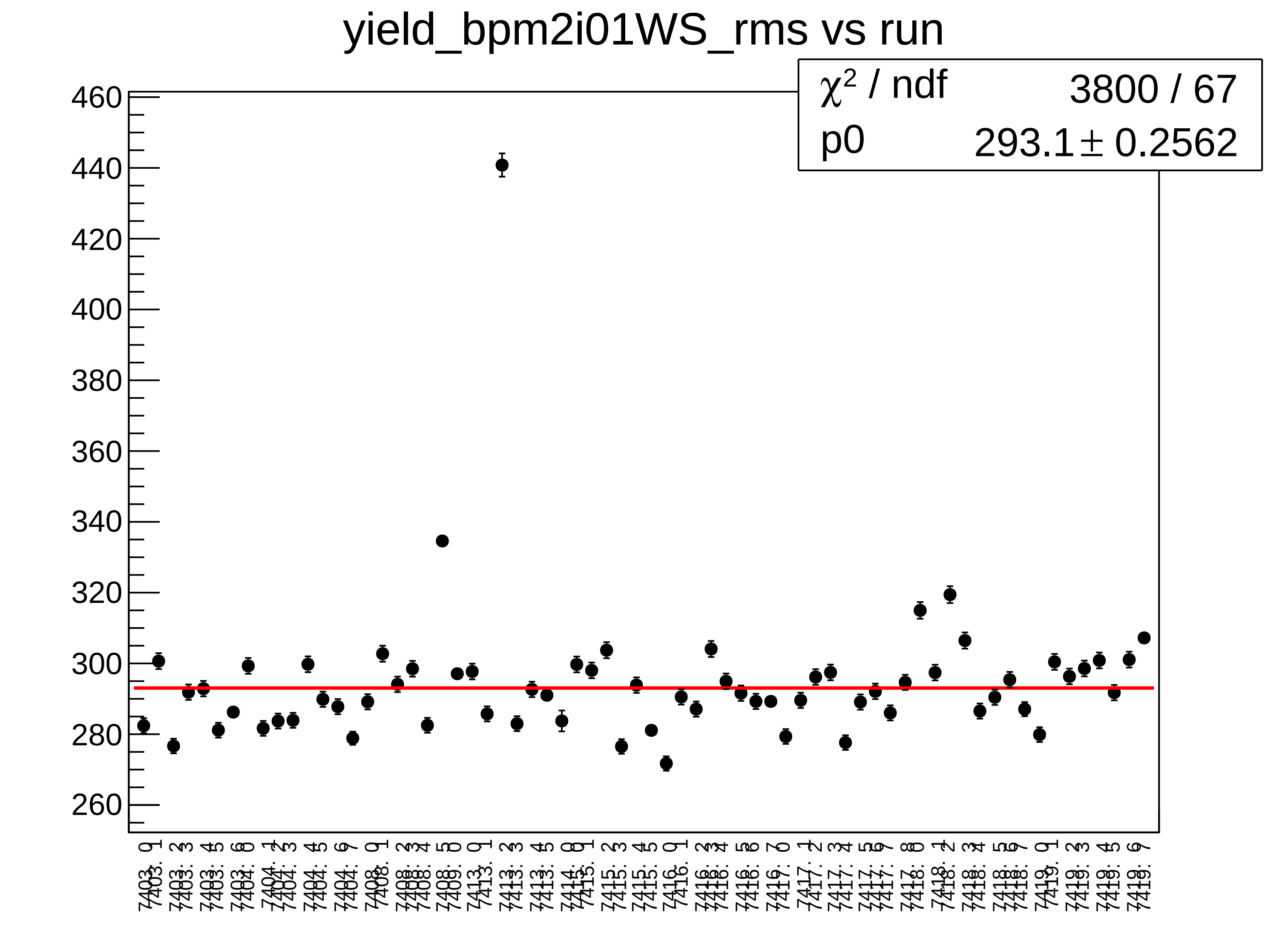
yield_cav4dQ_rms vs run
χ^2 / ndf 1.071e+04 / 67
p0 0.6759 ± 0.0005924
0.85
0.8
0.75
0.7
0.65
0.6
0.55


yield_bcm0l02_mean vs run
χ2 / ndf 1.279e+07 / 67
p0 151.3 ± 0.001743
155
150
145
140
135
130
125
120
pull
Entries 68
Mean 107.5
Std Dev 72.81
0
−500
−1000
−1500
−2000
−2500
−3000
pull1D
Entries 68
Mean 5.633
Std Dev 0.09429
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

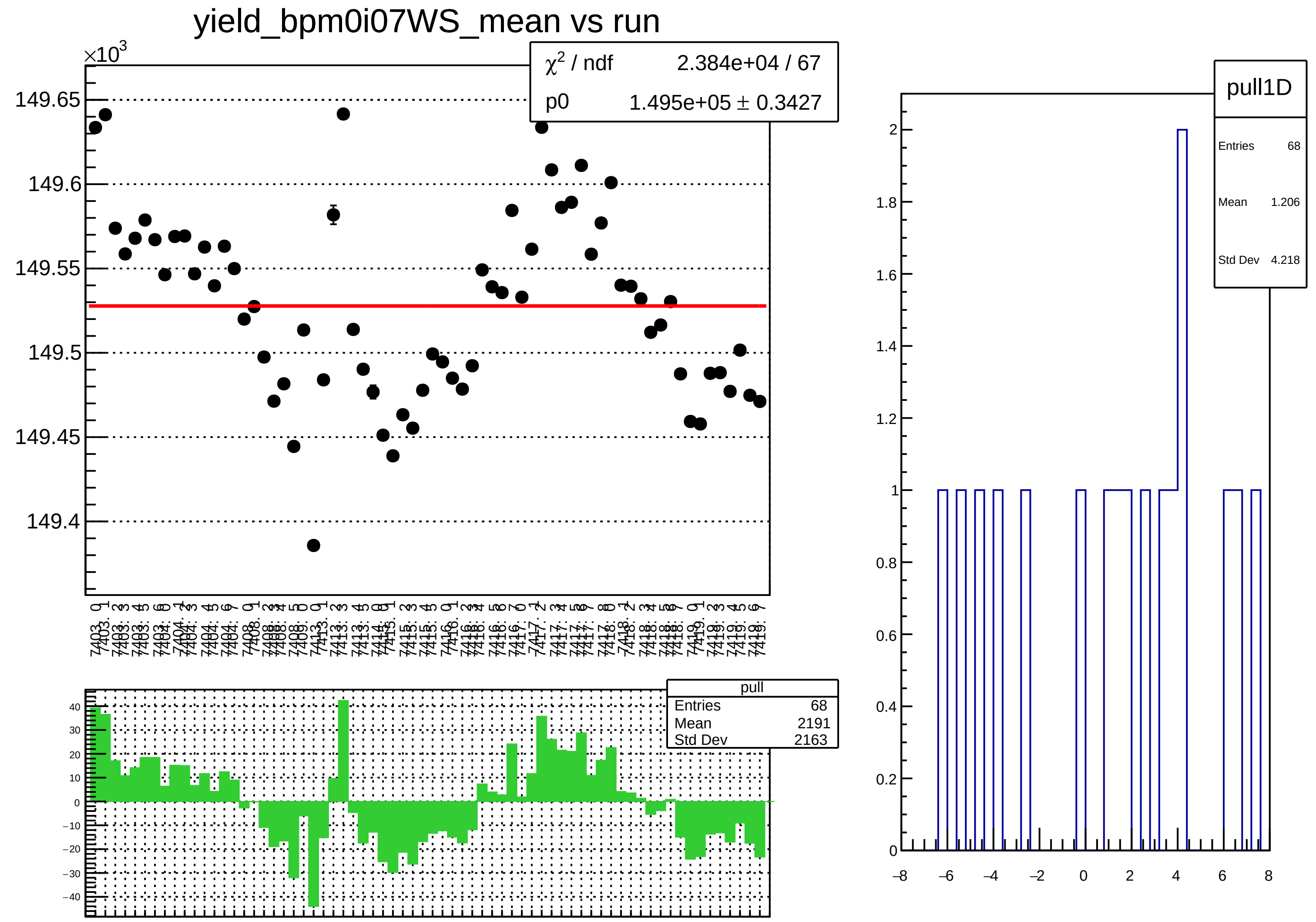


yield_bcm0l02_rms vs run
χ^2 / ndf 2.909e+05 / 67
p0 1.246 ± 0.001233

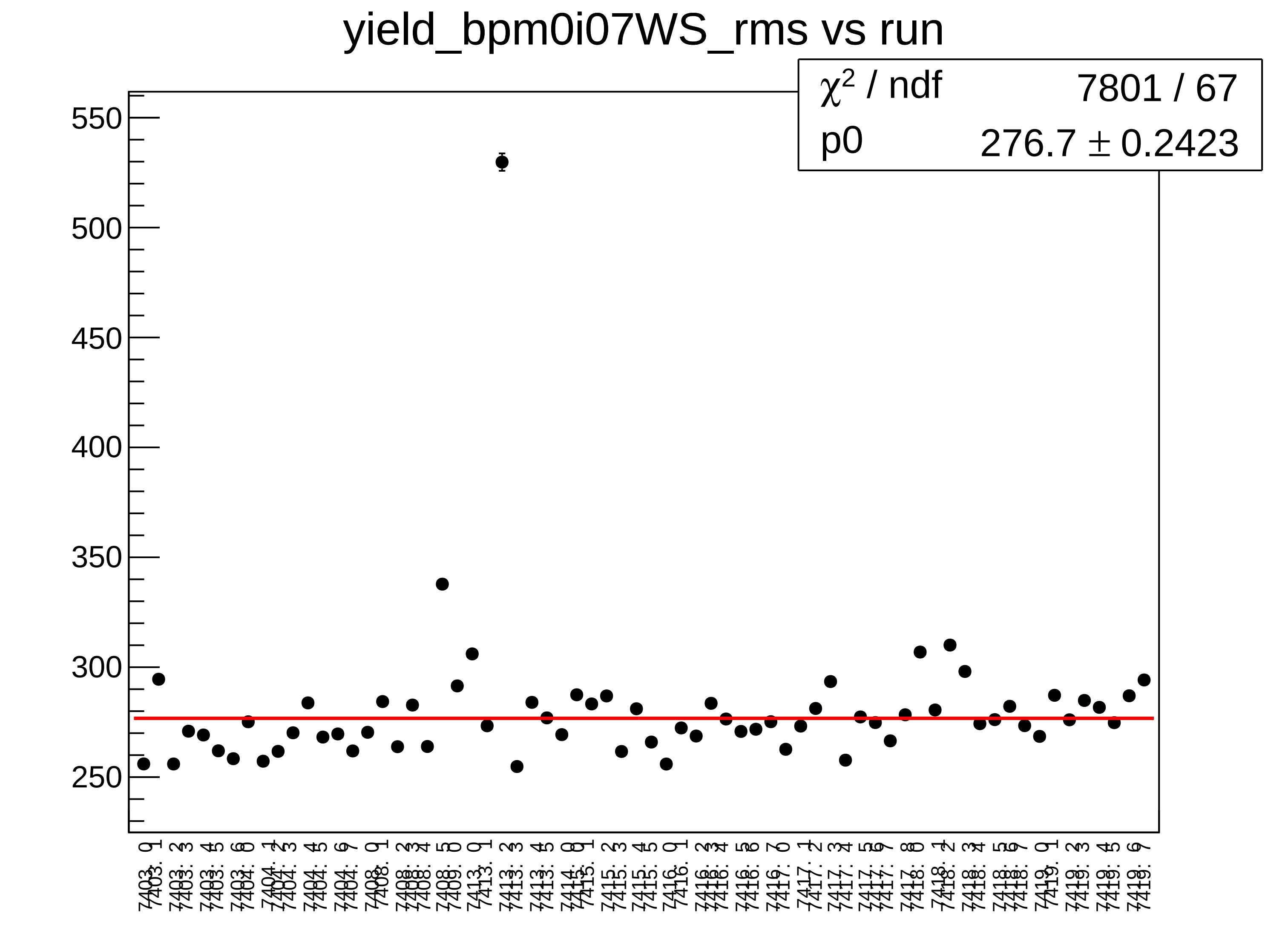

yield_bpm2i01WS_mean vs run
χ2 / ndf 647.6 / 67
p0 1.266e+05 ± 0.3623
×10^3
126.59
126.58
126.57
126.56
126.55
126.54
pull
Entries 68
Mean 436
Std Dev 408.1
pull1D
Entries 68
Mean 0.02306
Std Dev 3.086



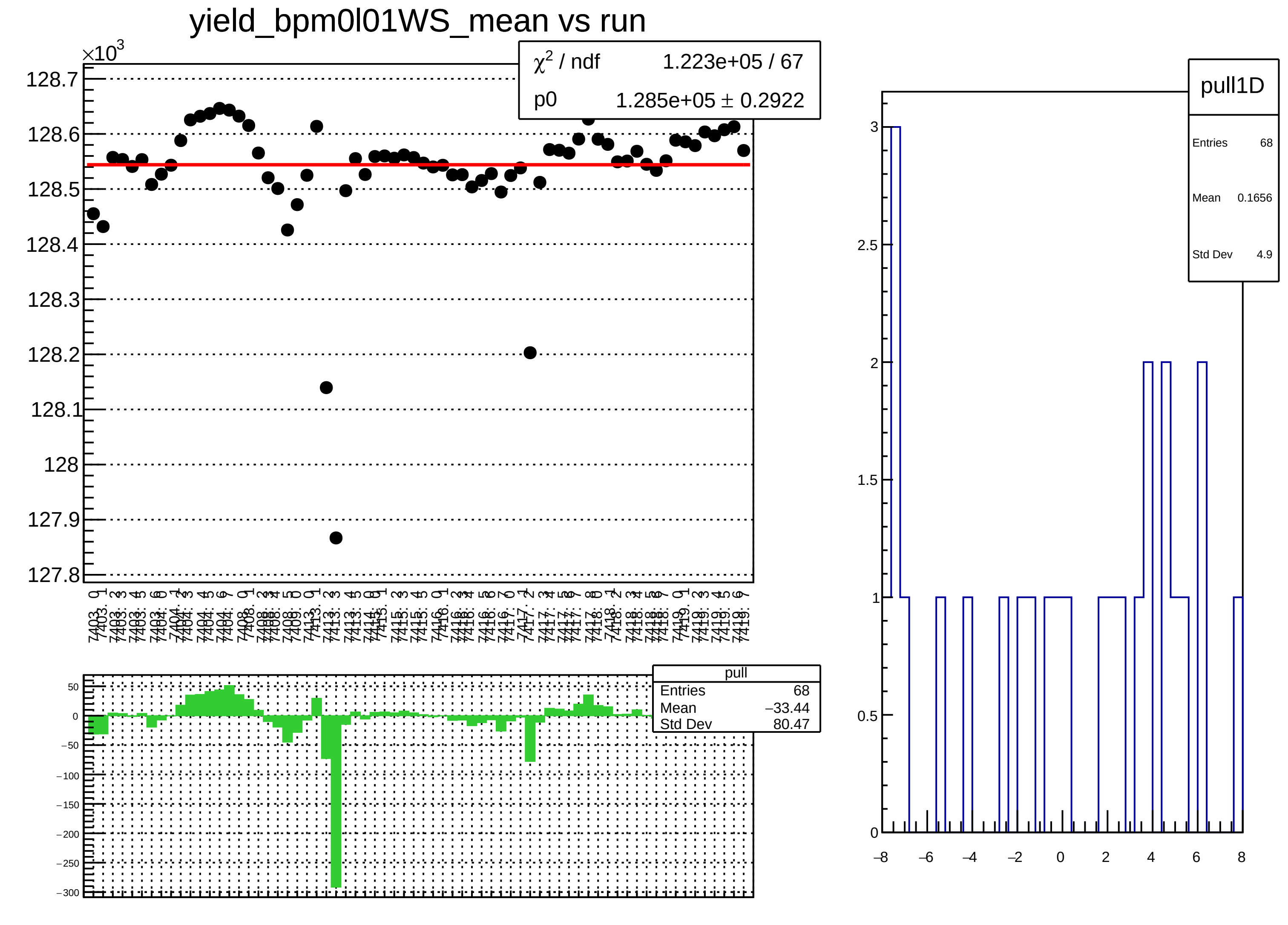
yield_bpm2i01WS_rms vs run
χ^2 / ndf 3800 / 67
p0 293.1 ± 0.2562
460
440
420
400
380
360
340
320
300
280
260



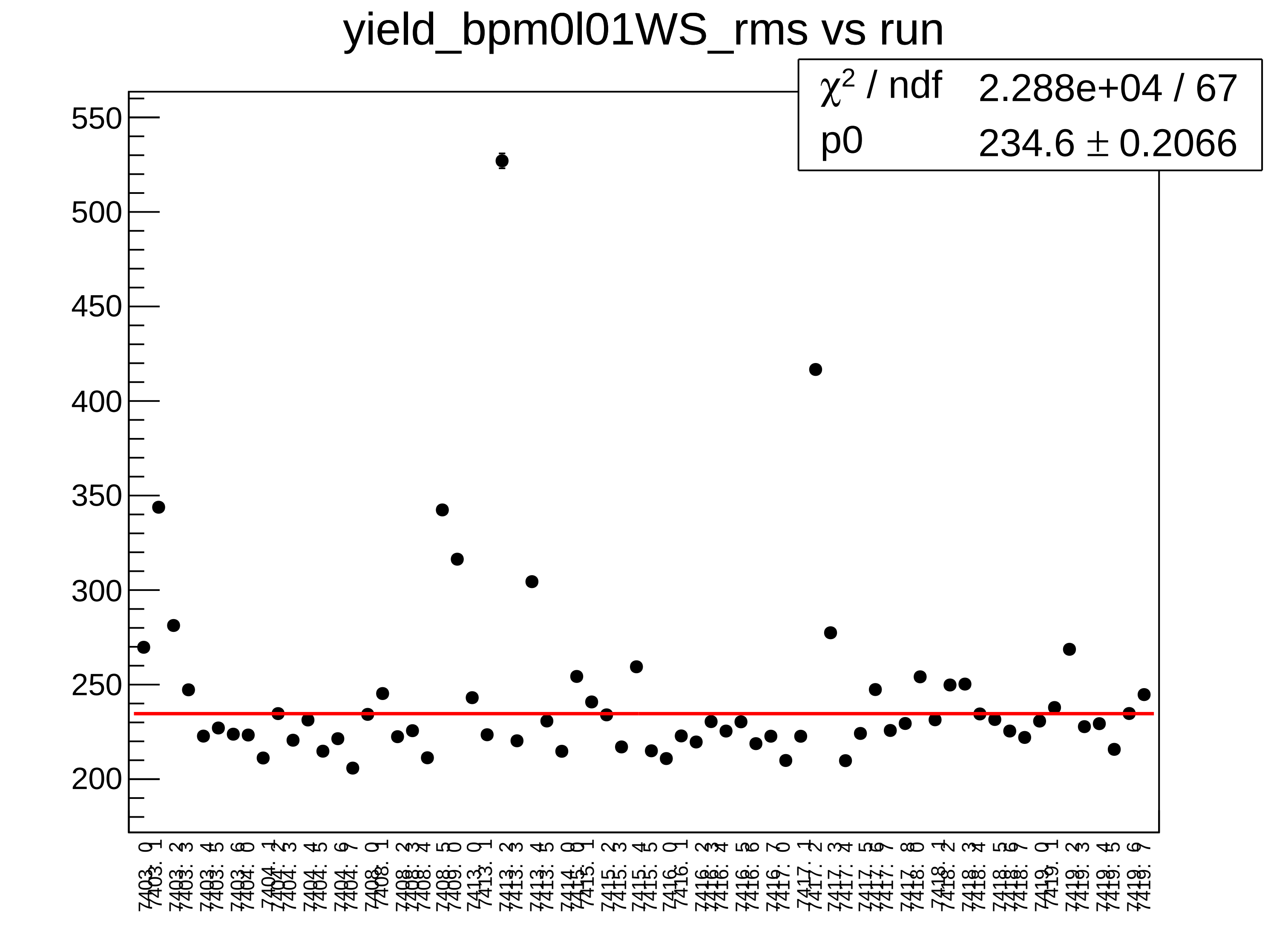
yield_bpm0i07WS_mean vs run
χ2 / ndf 2.384e+04 / 67
p0 1.495e+05 ± 0.3427
pull
Entries 68
Mean 2191
Std Dev 2163
pull1D
Entries 68
Mean 1.206
Std Dev 4.218



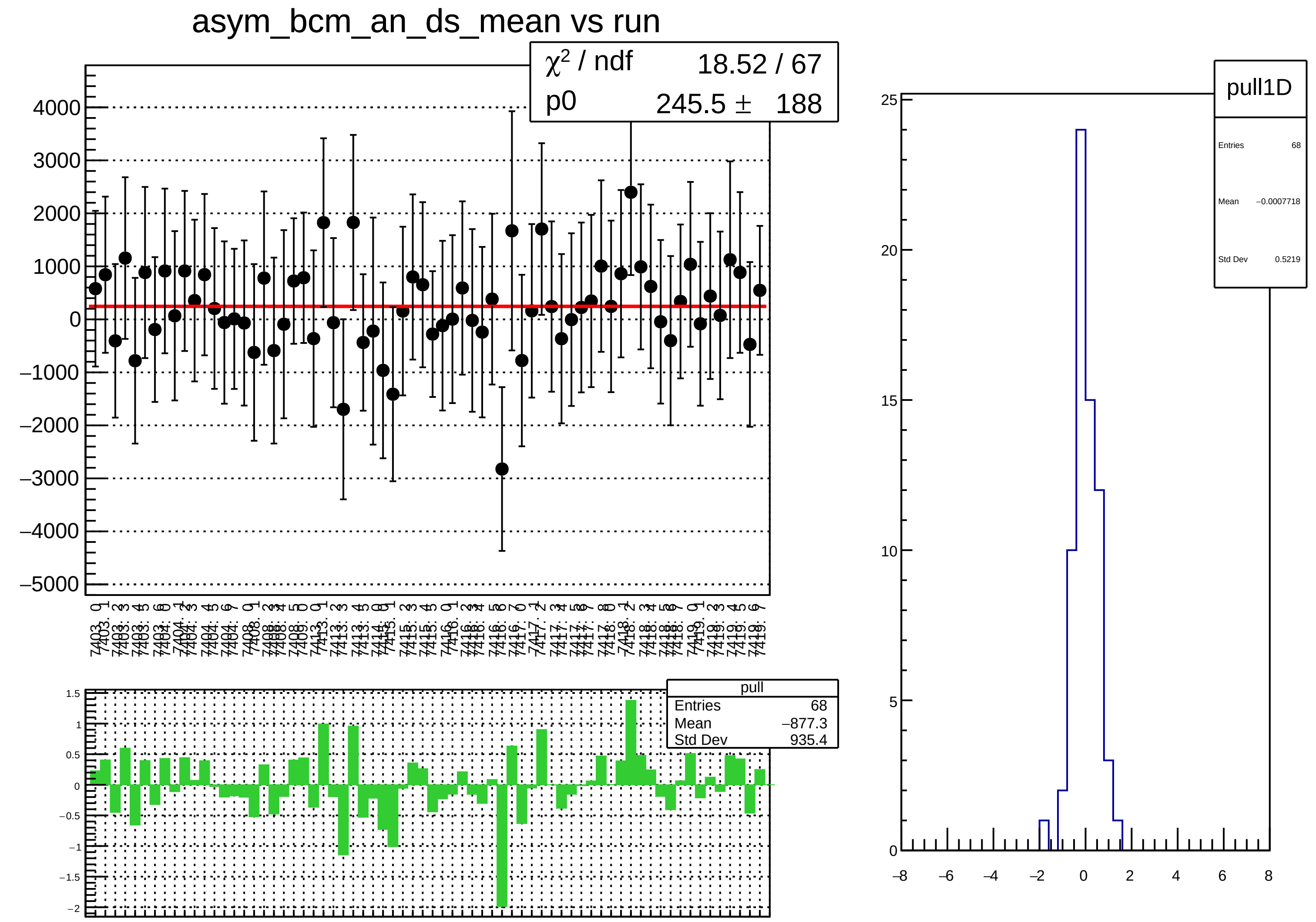
yield_bpm0i07WS_rms vs run
χ^2 / ndf 7801 / 67
p0 276.7 ± 0.2423
550
500
450
400
350
300
250

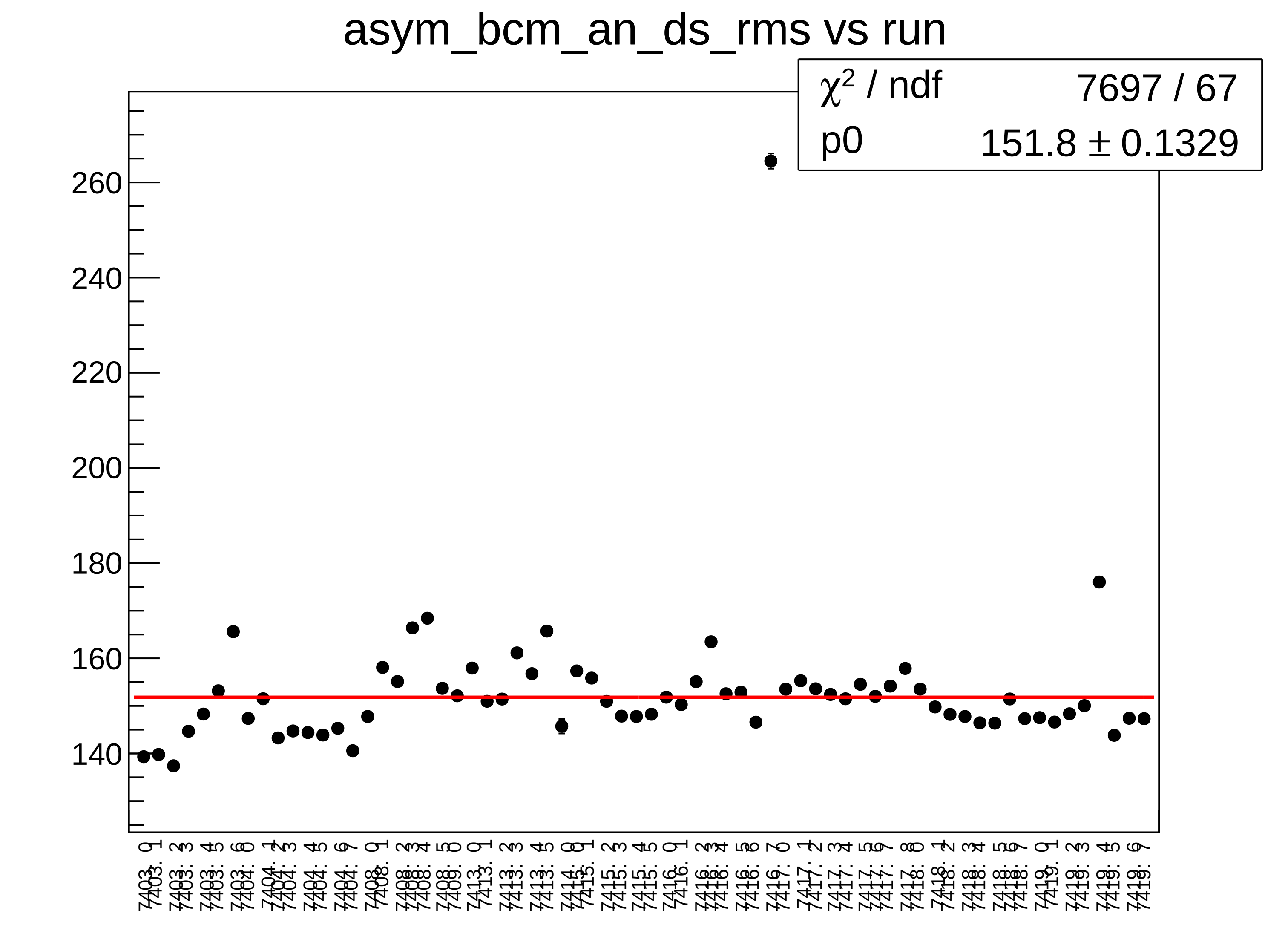


yield_bpm0l01WS_mean vs run
χ2 / ndf 1.223e+05 / 67
p0 1.285e+05 ± 0.2922
×10^3
pull
Entries 68
Mean −33.44
Std Dev 80.47
pull1D
Entries 68
Mean 0.1656
Std Dev 4.9

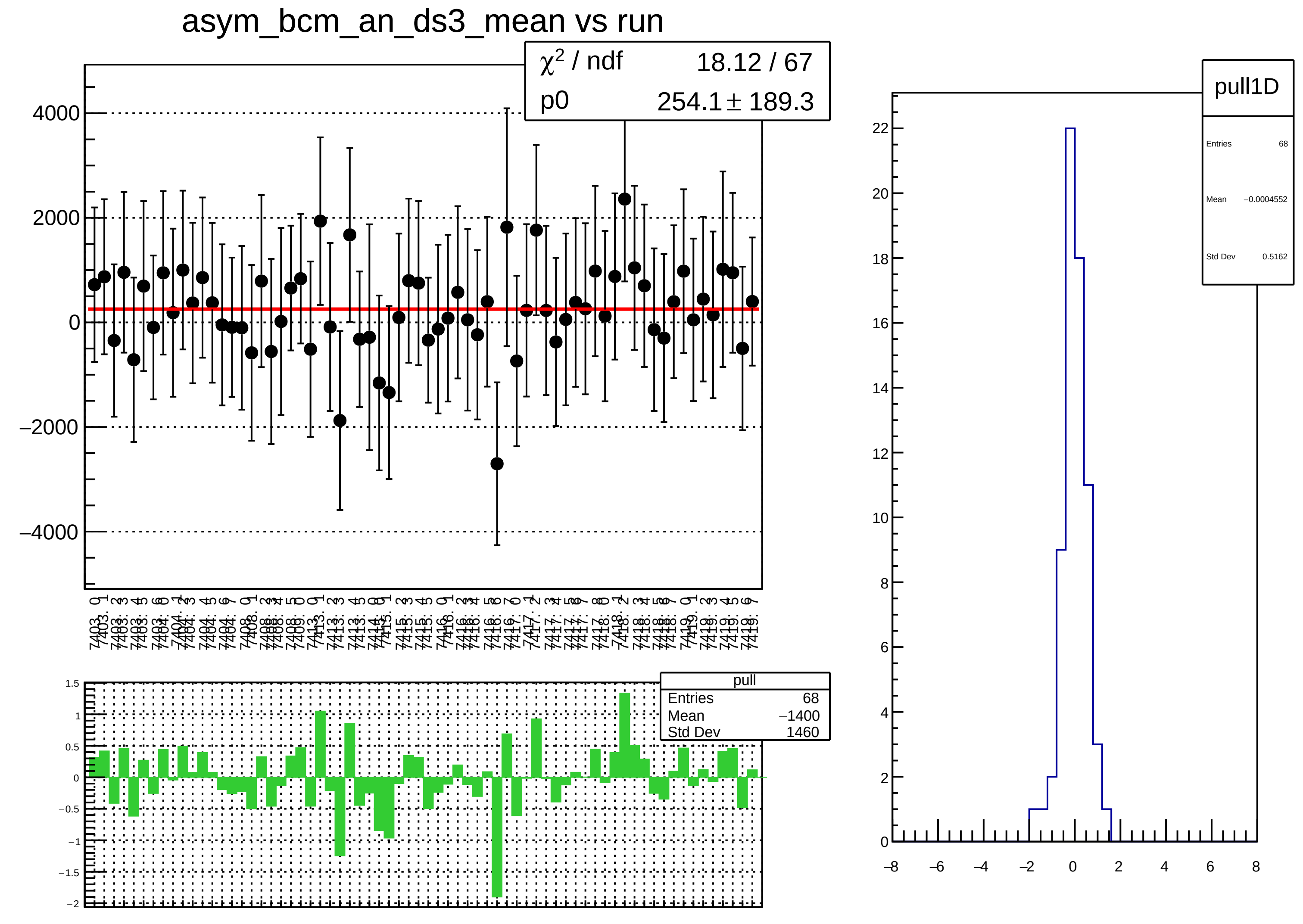


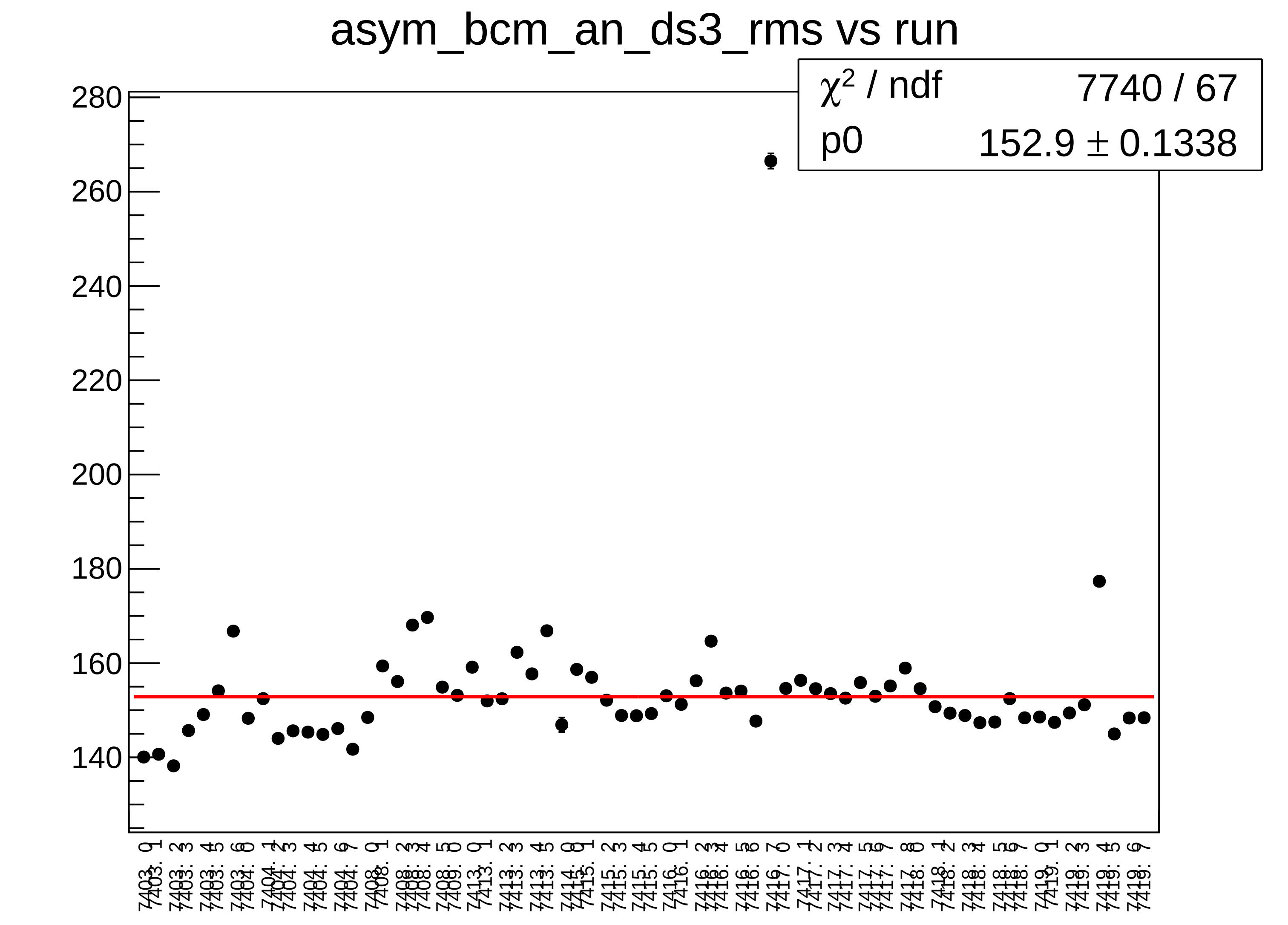
yield_bpm0l01WS_rms vs run
χ^2 / ndf 2.288e+04 / 67
p0 234.6 ± 0.2066
550
500
450
400
350
300
250
200

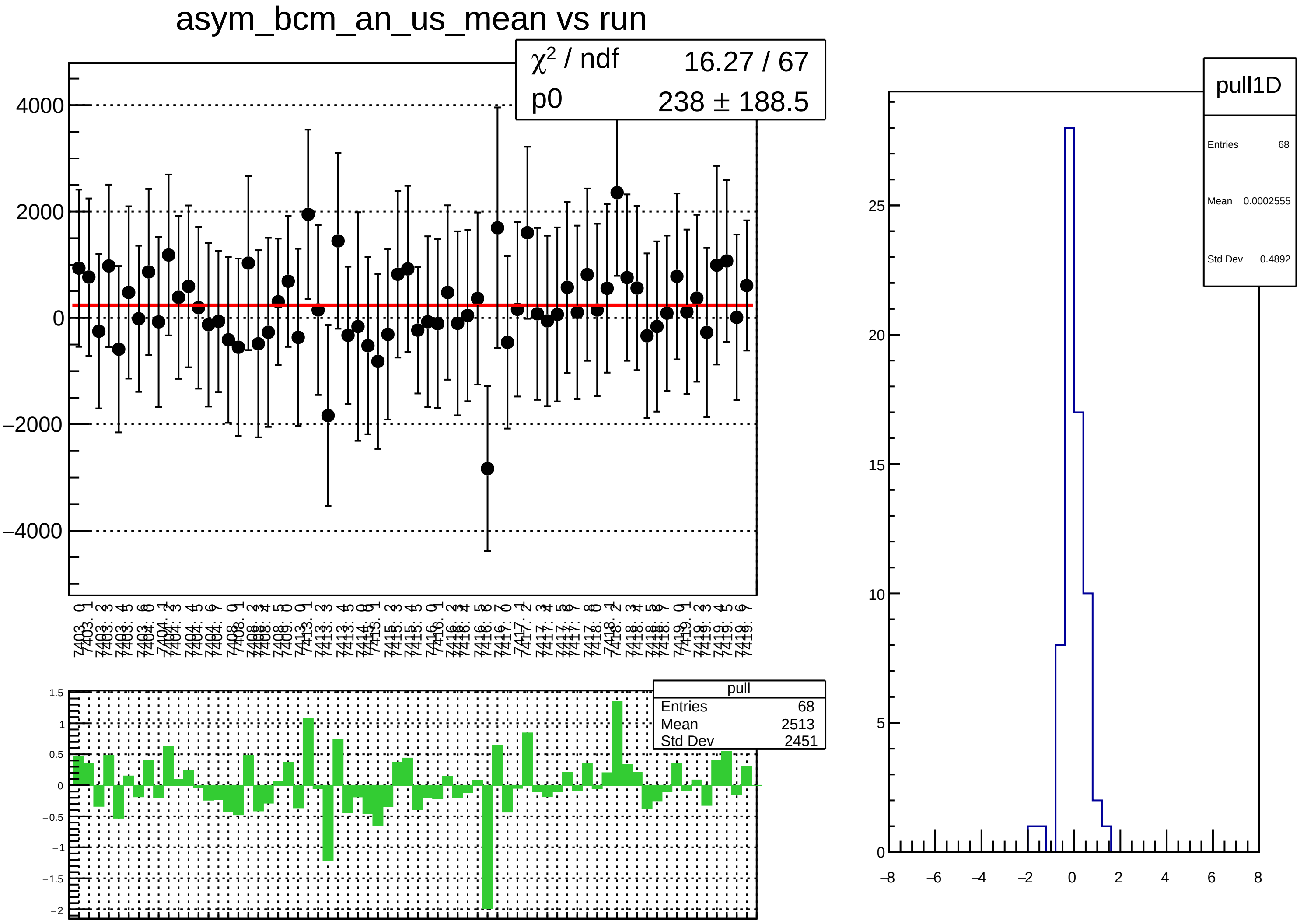

asym_bcm_an_ds_mean vs run
χ^2 / ndf 18.52 / 67
p0 245.5 ± 188
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 68
Mean −877.3
Std Dev 935.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.0007718
Std Dev 0.5219
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

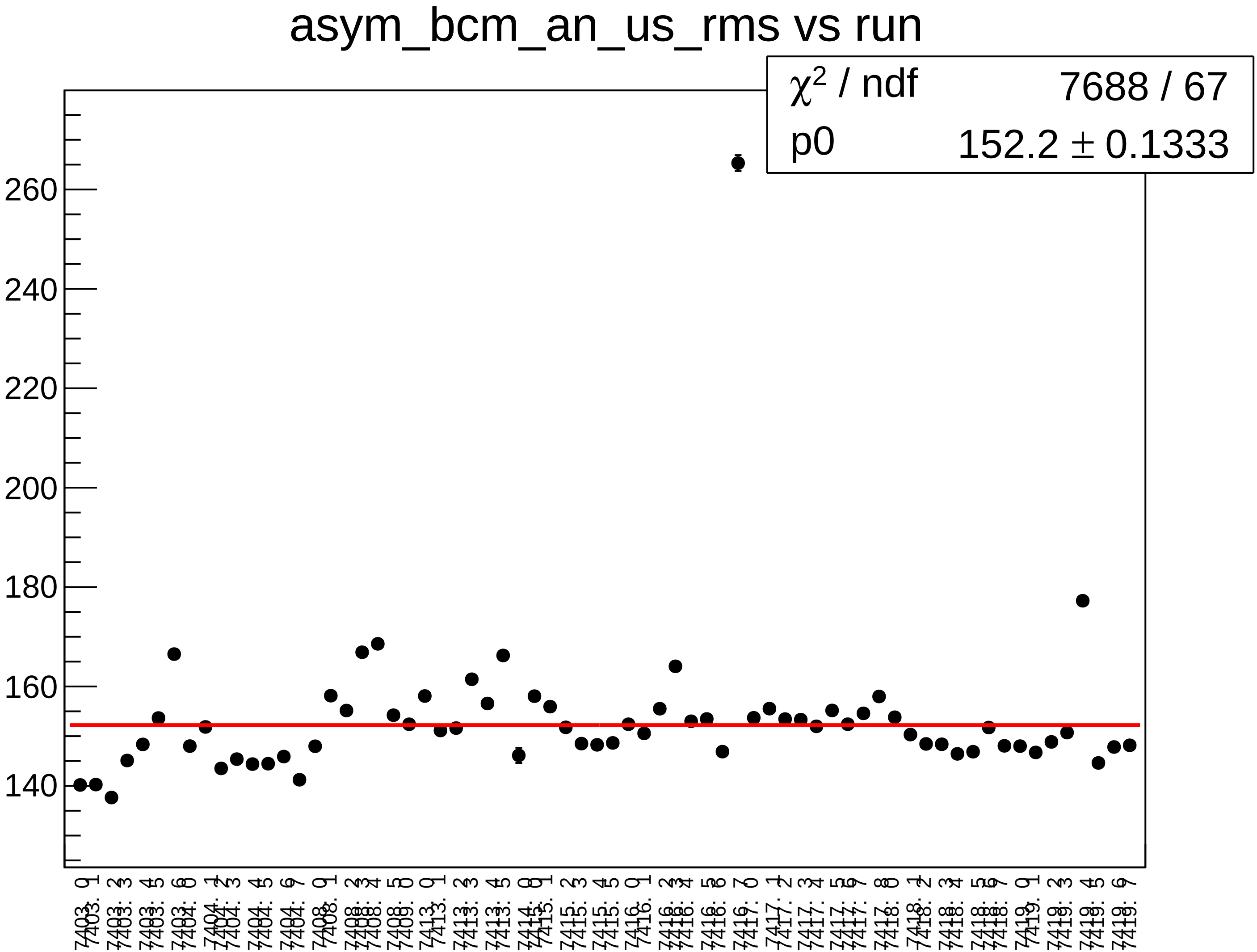


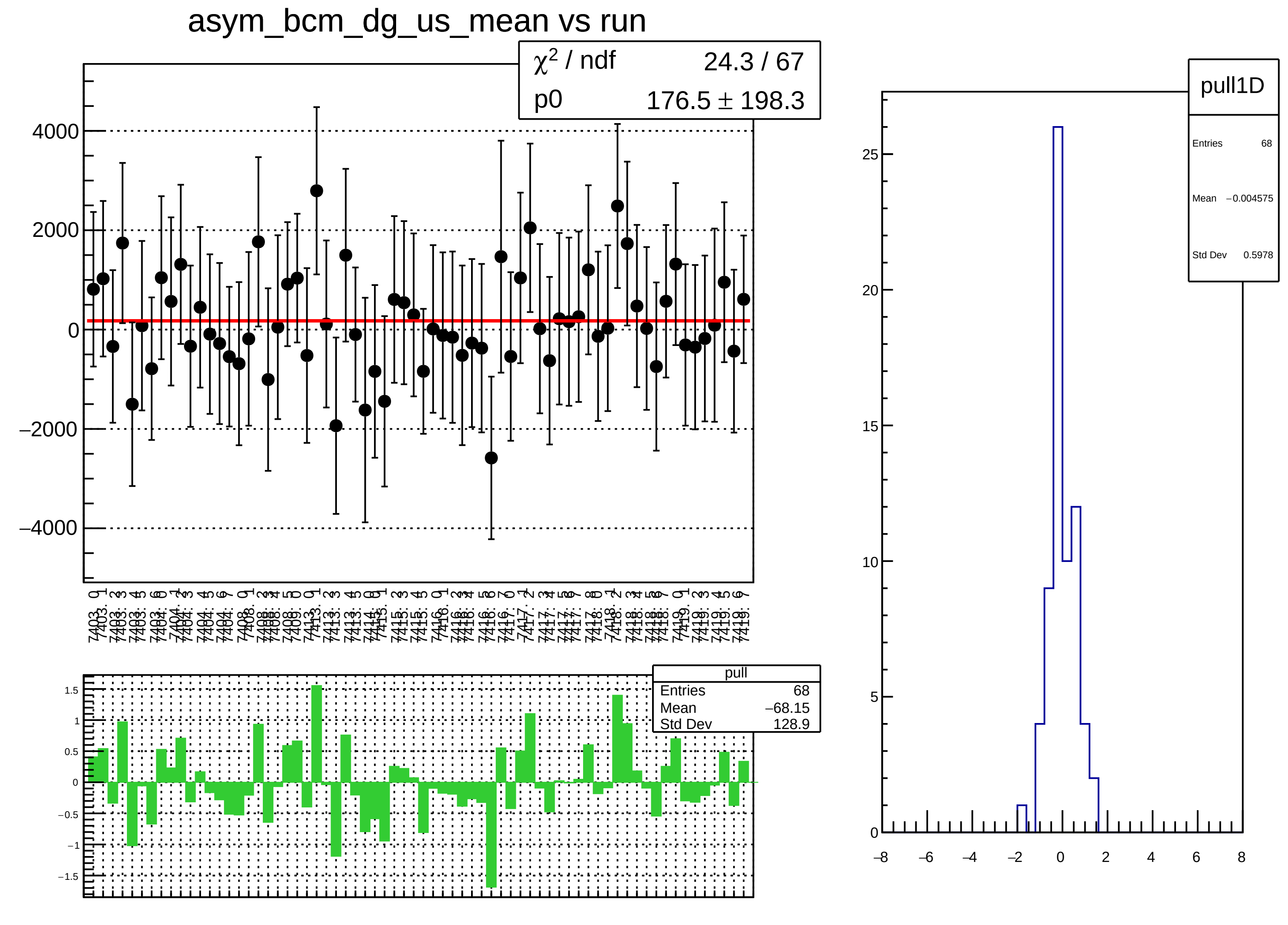
asym_bcm_an_ds_rms vs run
χ2 / ndf 7697 / 67
p0 151.8 ± 0.1329
260
240
220
200
180
160
140


asym_bcm_an_ds3_mean vs run
χ2 / ndf 18.12 / 67
p0 254.1 ± 189.3
4000
2000
0
−2000
−4000
pull
Entries 68
Mean −1400
Std Dev 1460
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.0004552
Std Dev 0.5162
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

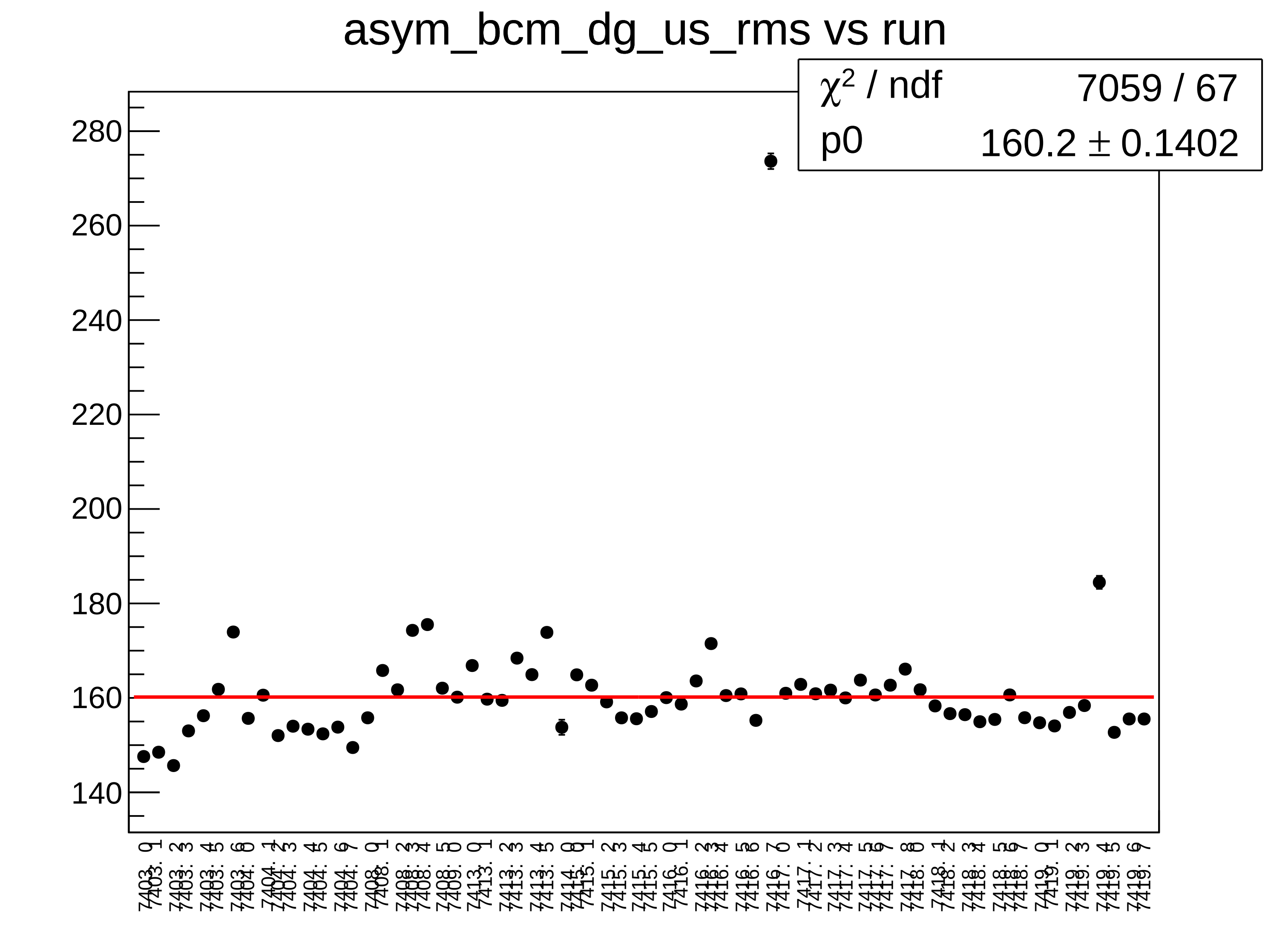

asym_bcm_an_ds3_rms vs run
χ2 / ndf 7740 / 67
p0 152.9 ± 0.1338

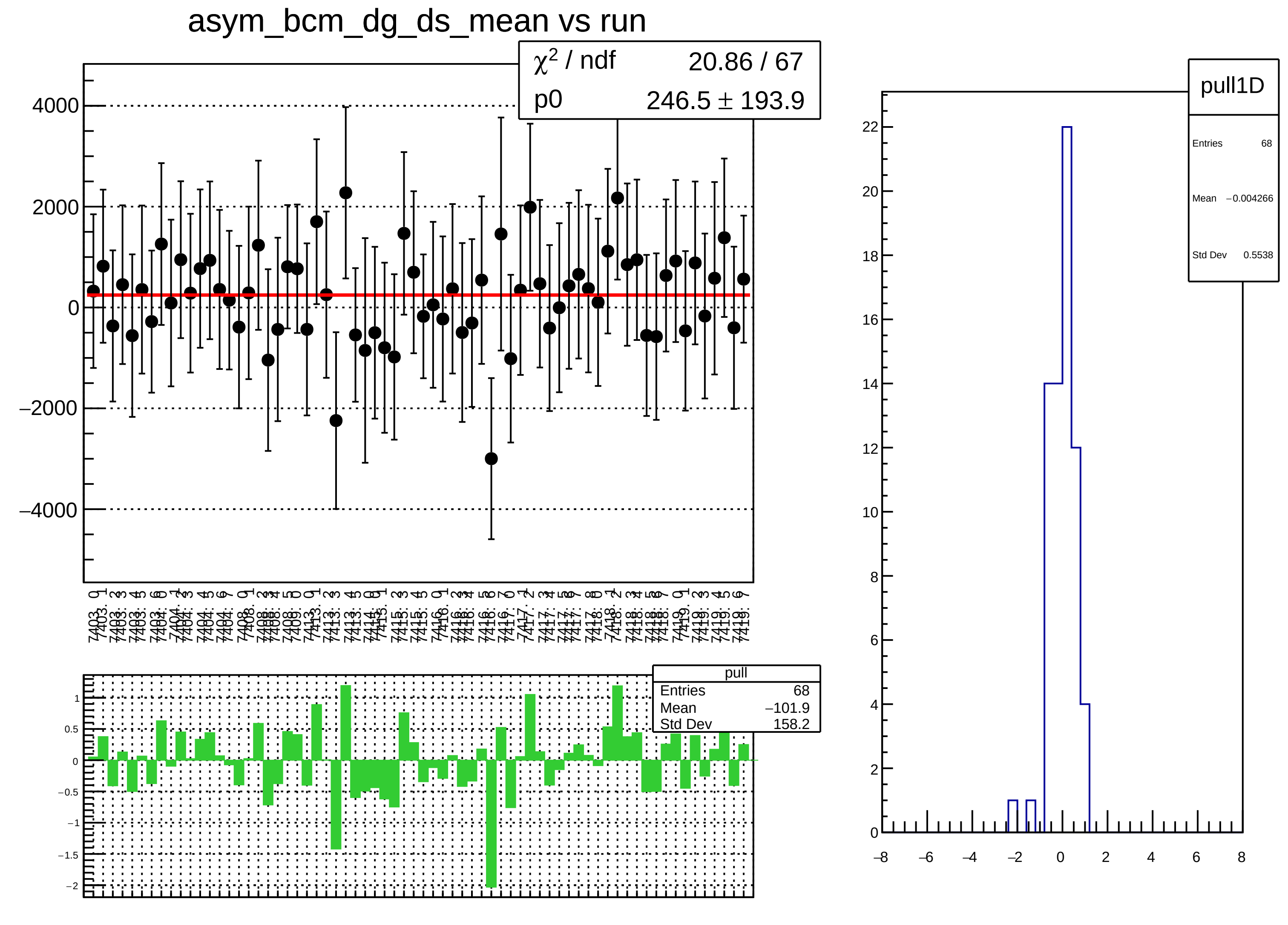

asym_bcm_an_us_mean vs run
χ2 / ndf 16.27 / 67
p0 238 ± 188.5
pull
Entries 68
Mean 2513
Std Dev 2451
pull1D
Entries 68
Mean 0.0002555
Std Dev 0.4892


asym_bcm_an_us_rms vs run
χ^2 / ndf 7688 / 67
p0 152.2 ± 0.1333
260
240
220
200
180
160
140

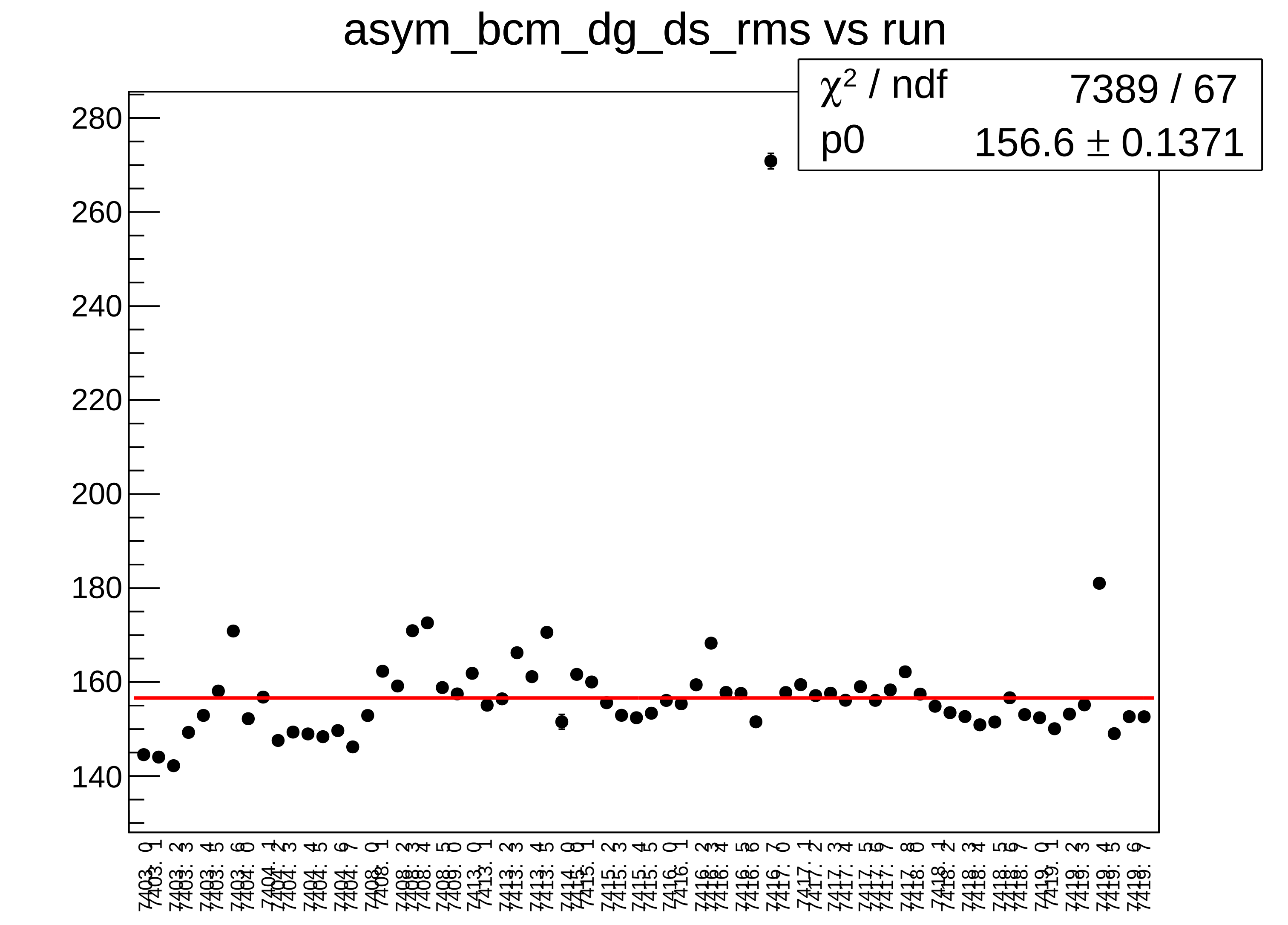


asym_bcm_dg_us_mean vs run
χ^2 / ndf 24.3 / 67
p0 176.5 ± 198.3
pull
Entries 68
Mean −68.15
Std Dev 128.9
pull1D
Entries 68
Mean −0.004575
Std Dev 0.5978

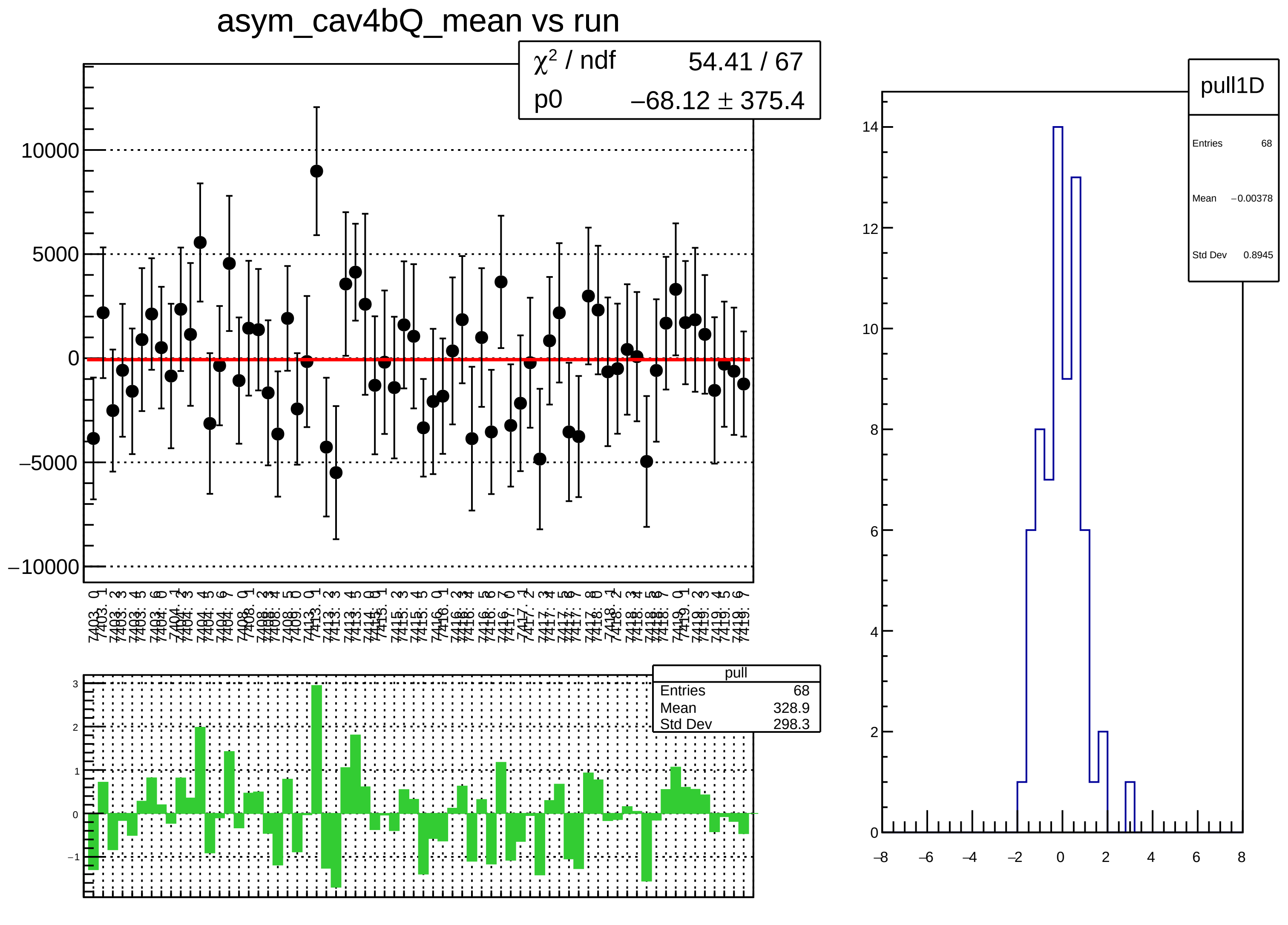

asym_bcm_dg_us_rms vs run
χ2 / ndf 7059 / 67
p0 160.2 ± 0.1402



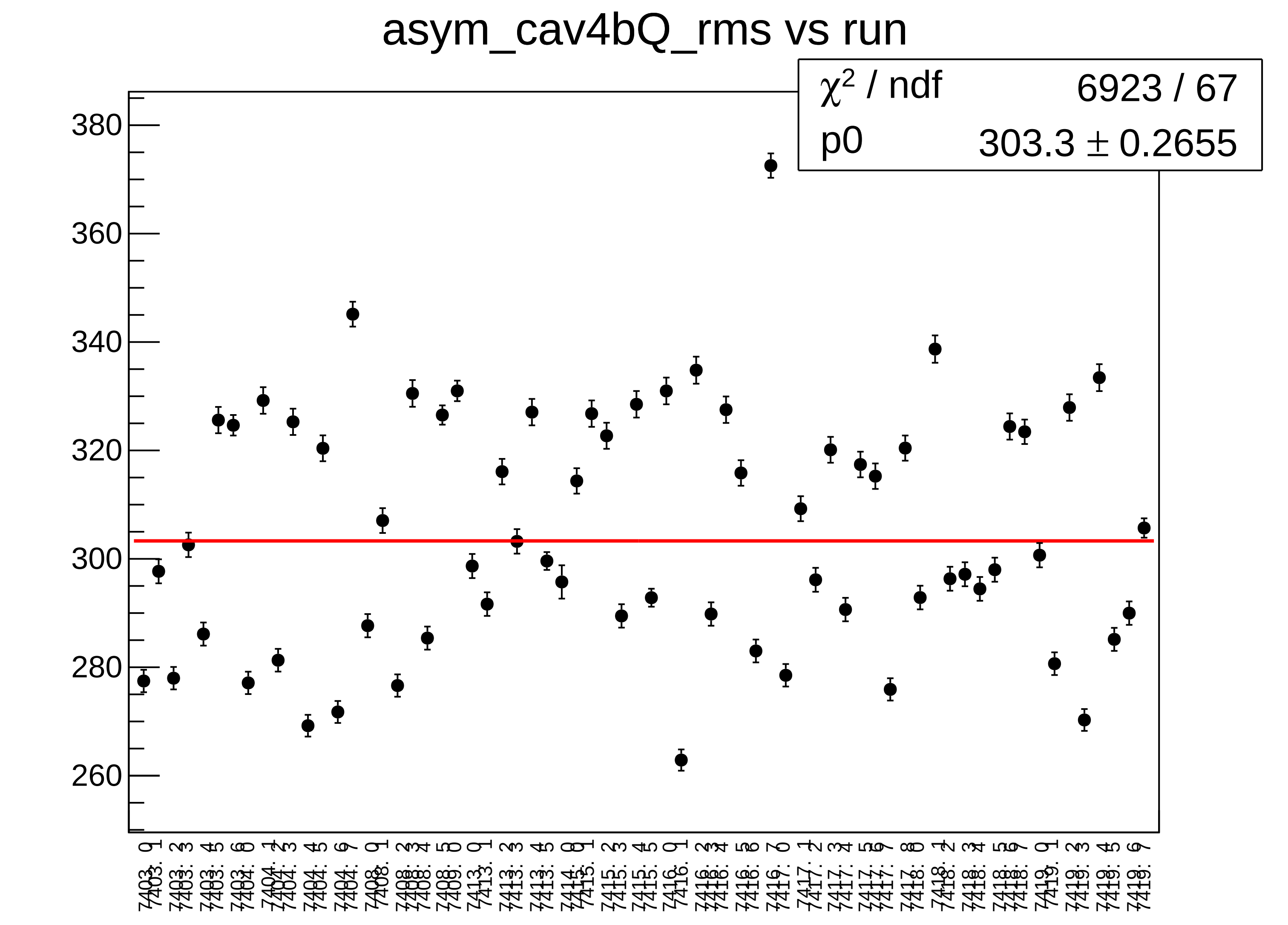
asym_bcm_dg_ds_mean vs run
χ² / ndf 20.86 / 67
p0 246.5 ± 193.9
pull
Entries 68
Mean −101.9
Std Dev 158.2
pull1D
Entries 68
Mean −0.004266
Std Dev 0.5538



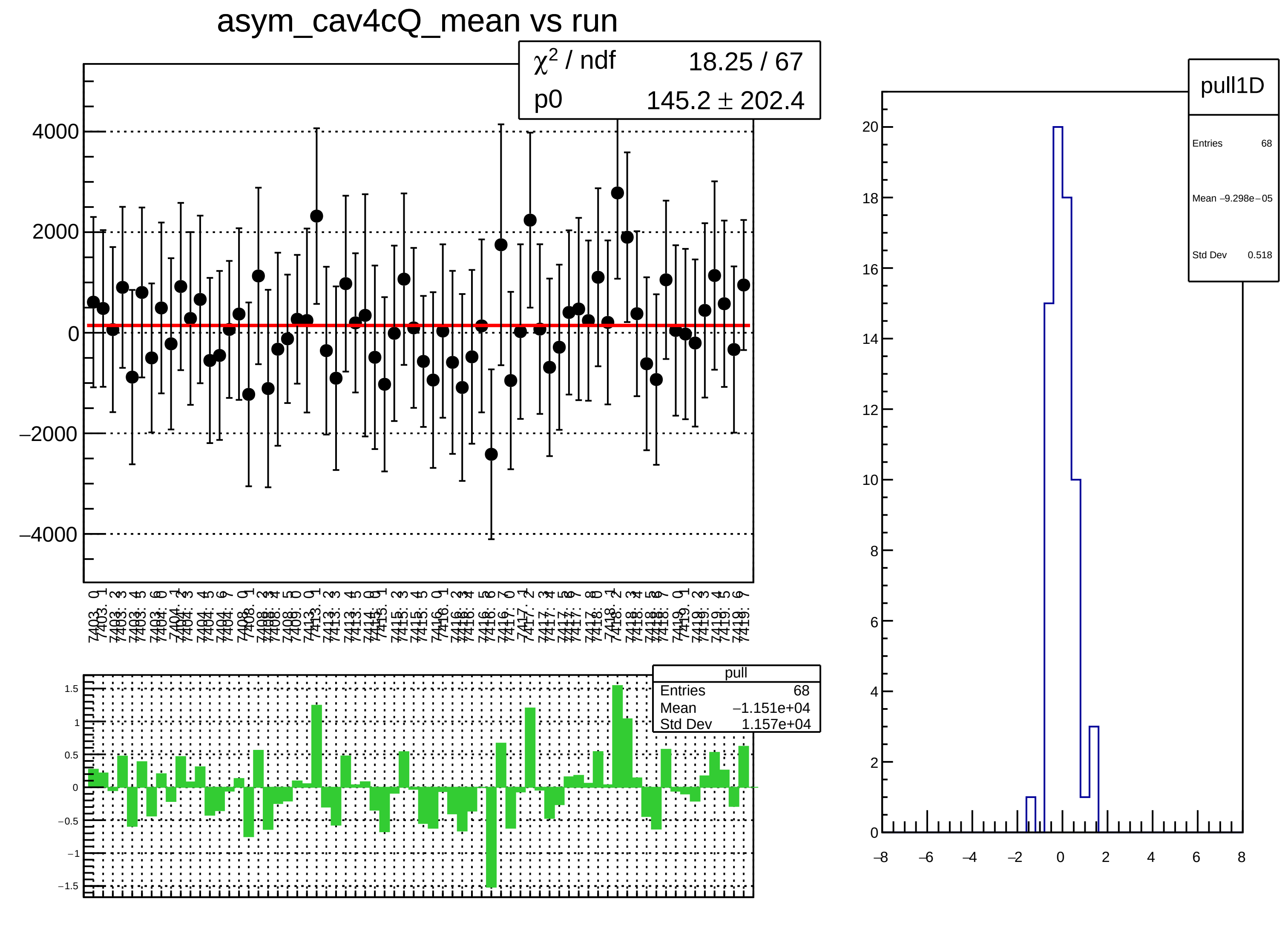
asym_bcm_dg_ds_rms vs run
χ^2 / ndf 7389 / 67
p0 156.6 ± 0.1371
280
260
240
220
200
180
160
140



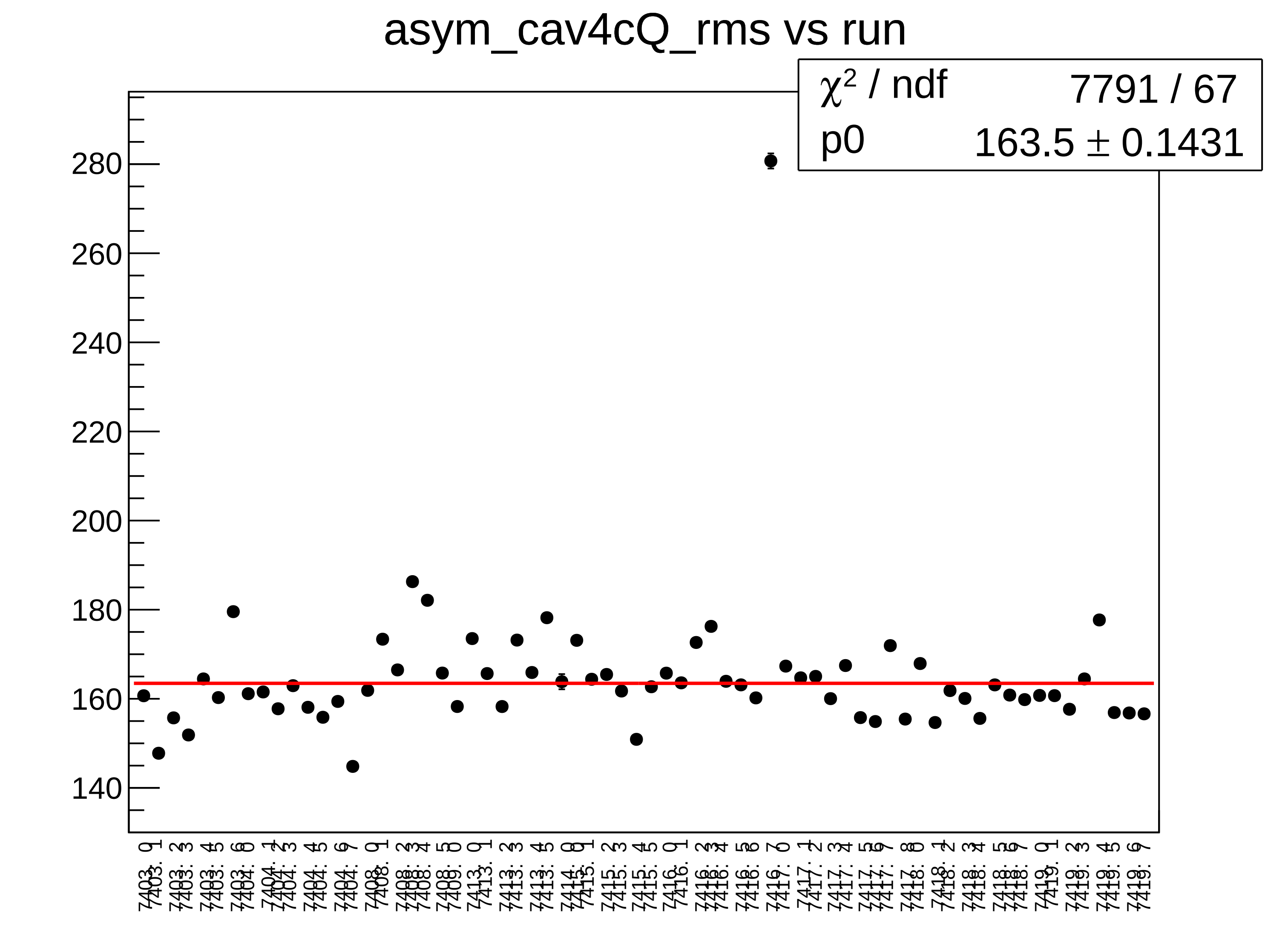
asym_cav4bQ_mean vs run
χ^2 / ndf 54.41 / 67
p0 −68.12 ± 375.4
pull
Entries 68
Mean 328.9
Std Dev 298.3
pull1D
Entries 68
Mean −0.00378
Std Dev 0.8945



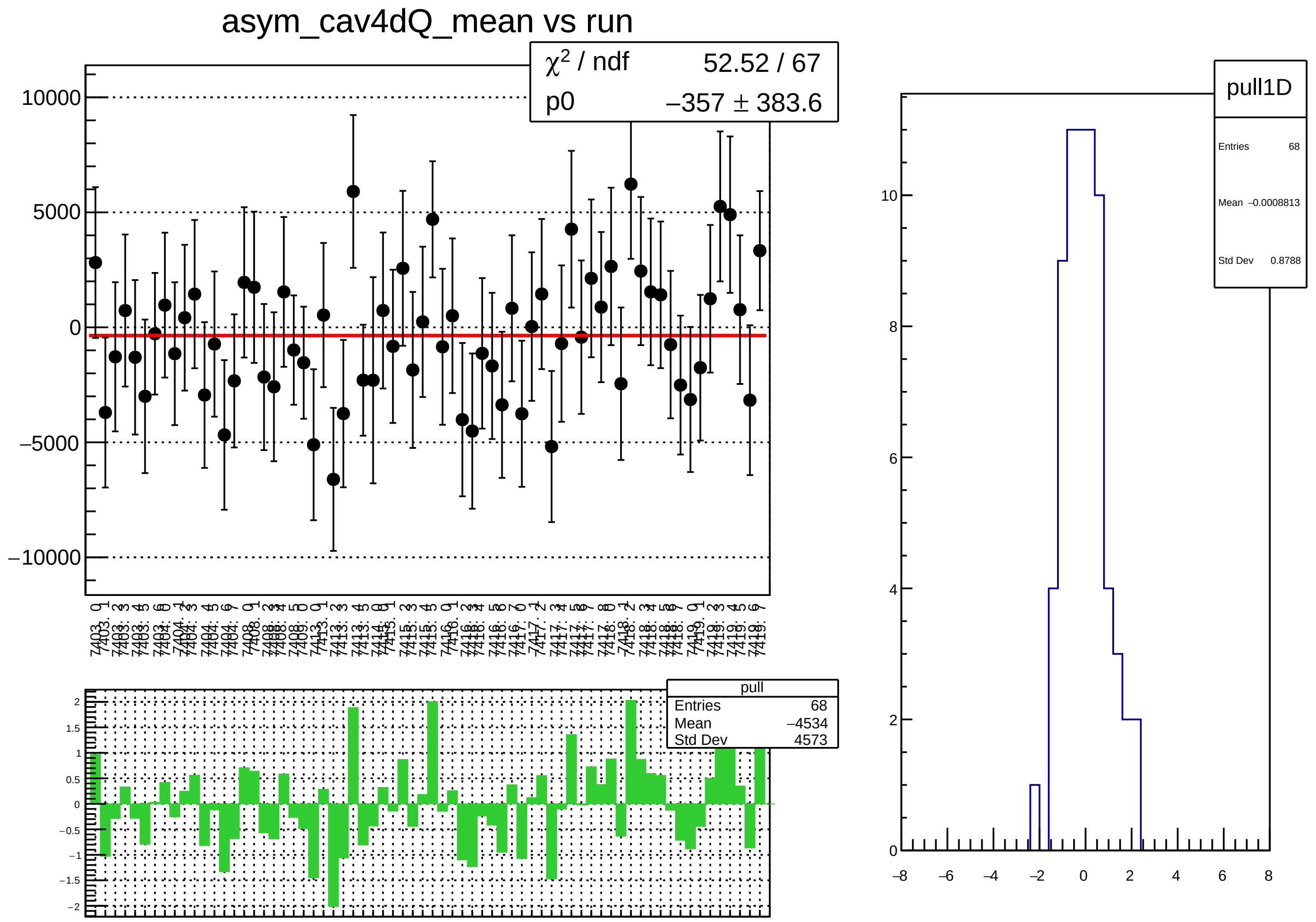
asym_cav4bQ_rms vs run
χ2 / ndf 6923 / 67
p0 303.3 ± 0.2655
380
360
340
320
300
280
260



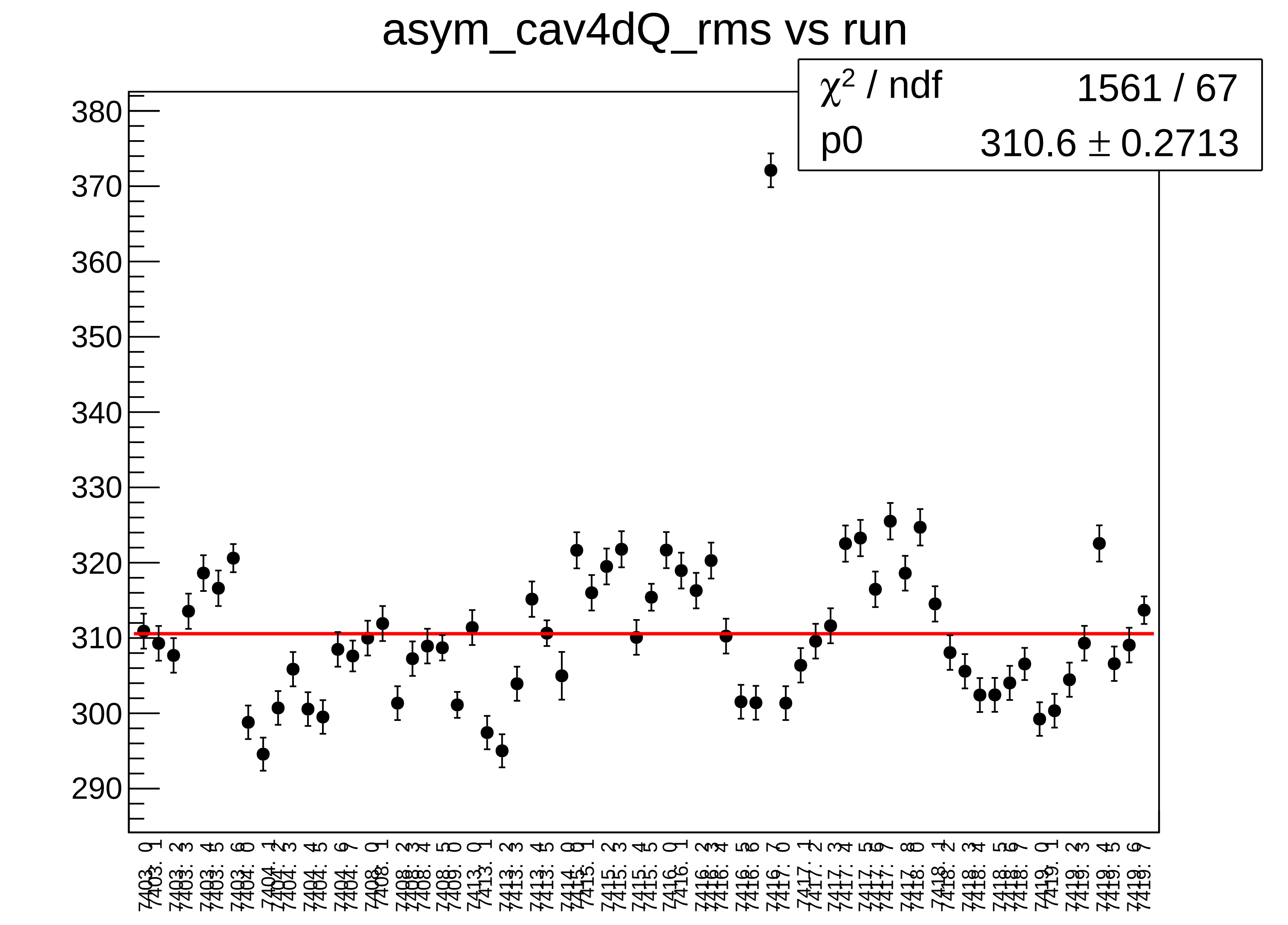
asym_cav4cQ_mean vs run
χ2 / ndf 18.25 / 67
p0 145.2 ± 202.4
pull
Entries 68
Mean −1.151e+04
Std Dev 1.157e+04
pull1D
Entries 68
Mean −9.298e−05
Std Dev 0.518

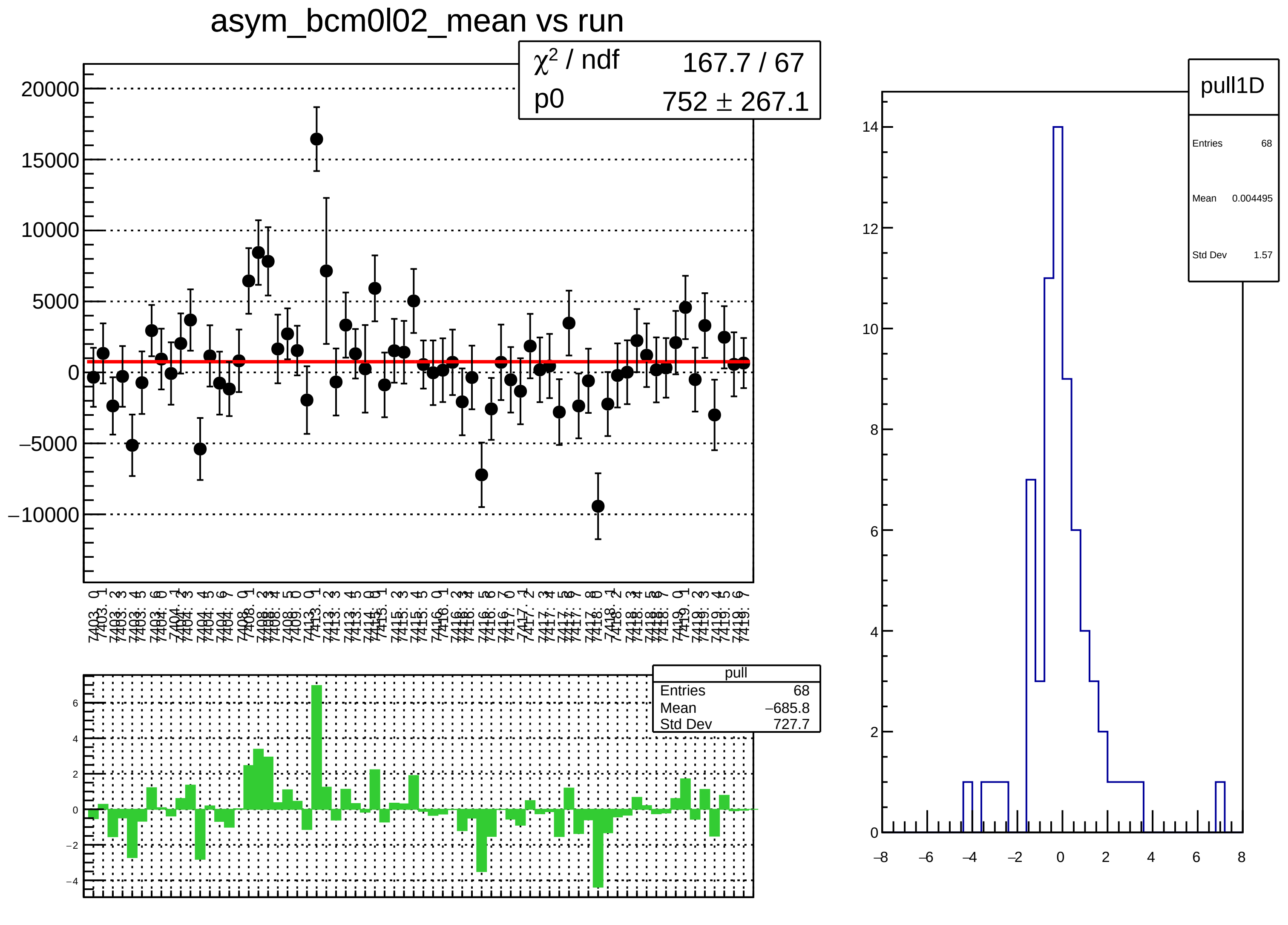


asym_cav4cQ_rms vs run
χ2 / ndf 7791 / 67
p0 163.5 ± 0.1431
280
260
240
220
200
180
160
140

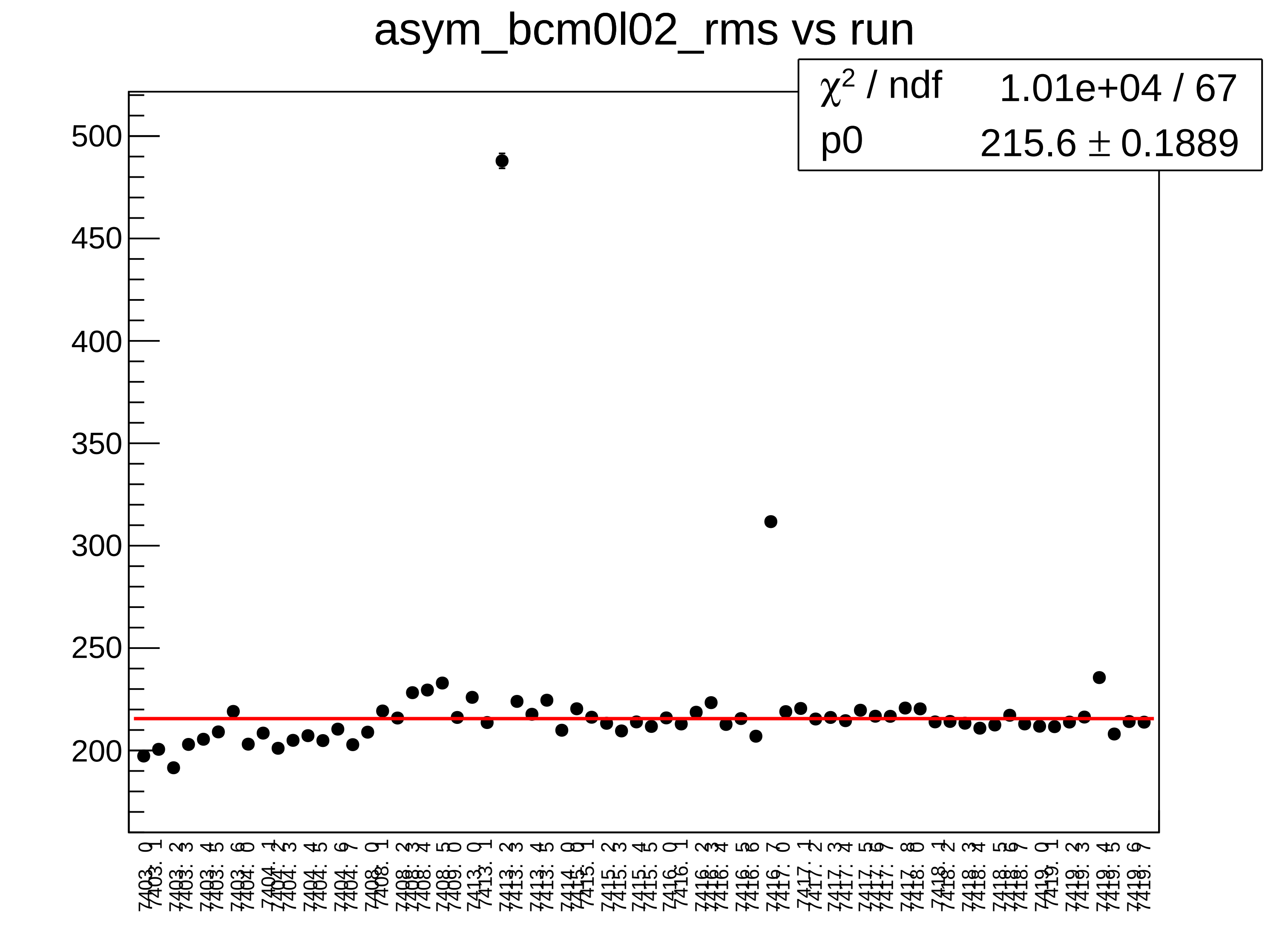


asym_cav4dQ_mean vs run
χ^2 / ndf 52.52 / 67
p0 −357 ± 383.6
pull
Entries 68
Mean −4534
Std Dev 4573
pull1D
Entries 68
Mean −0.0008813
Std Dev 0.8788

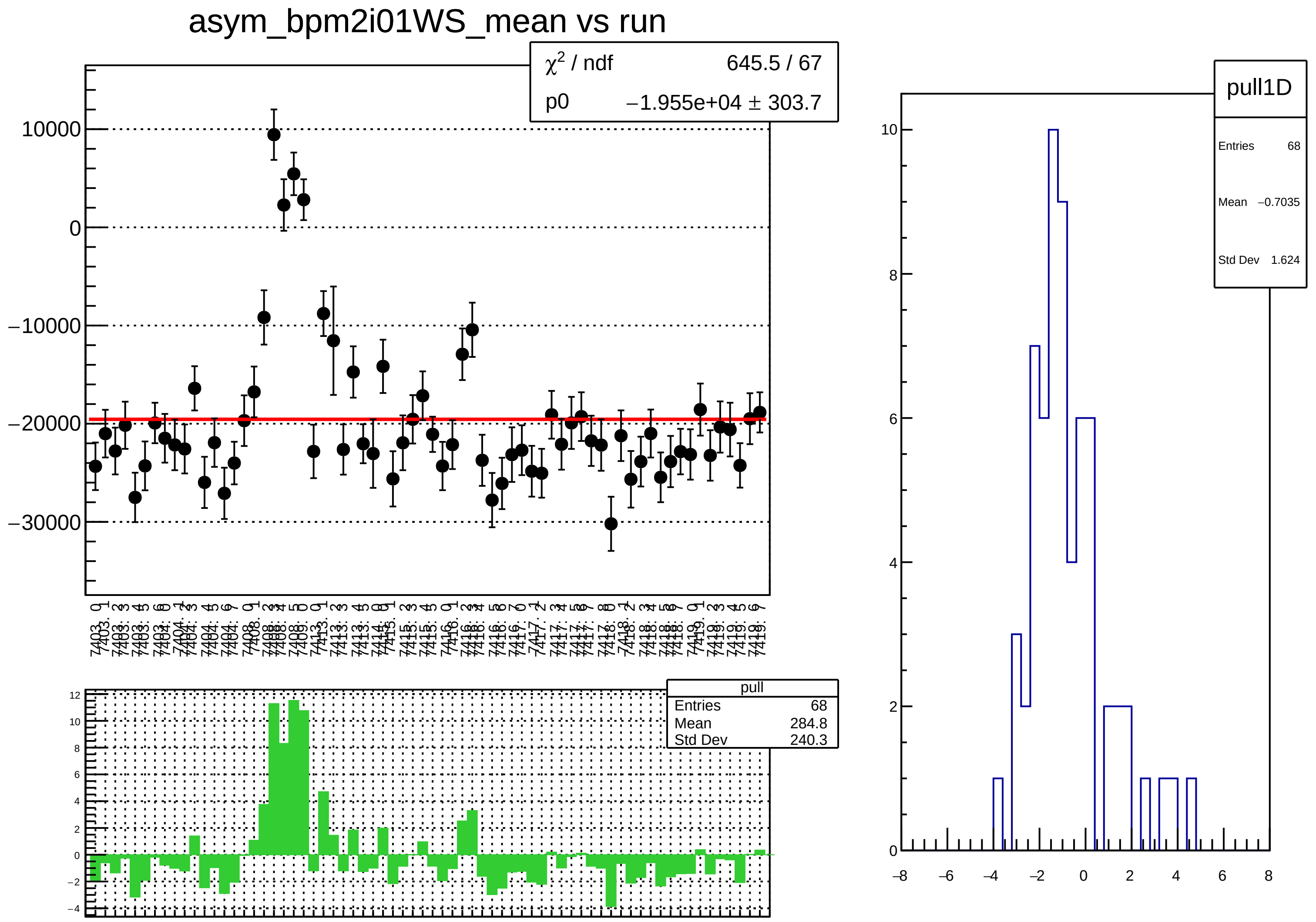

asym_cav4dQ_rms vs run
χ^2 / ndf 1561 / 67
p0 310.6 ± 0.2713
380
370
360
350
340
330
320
310
300
290

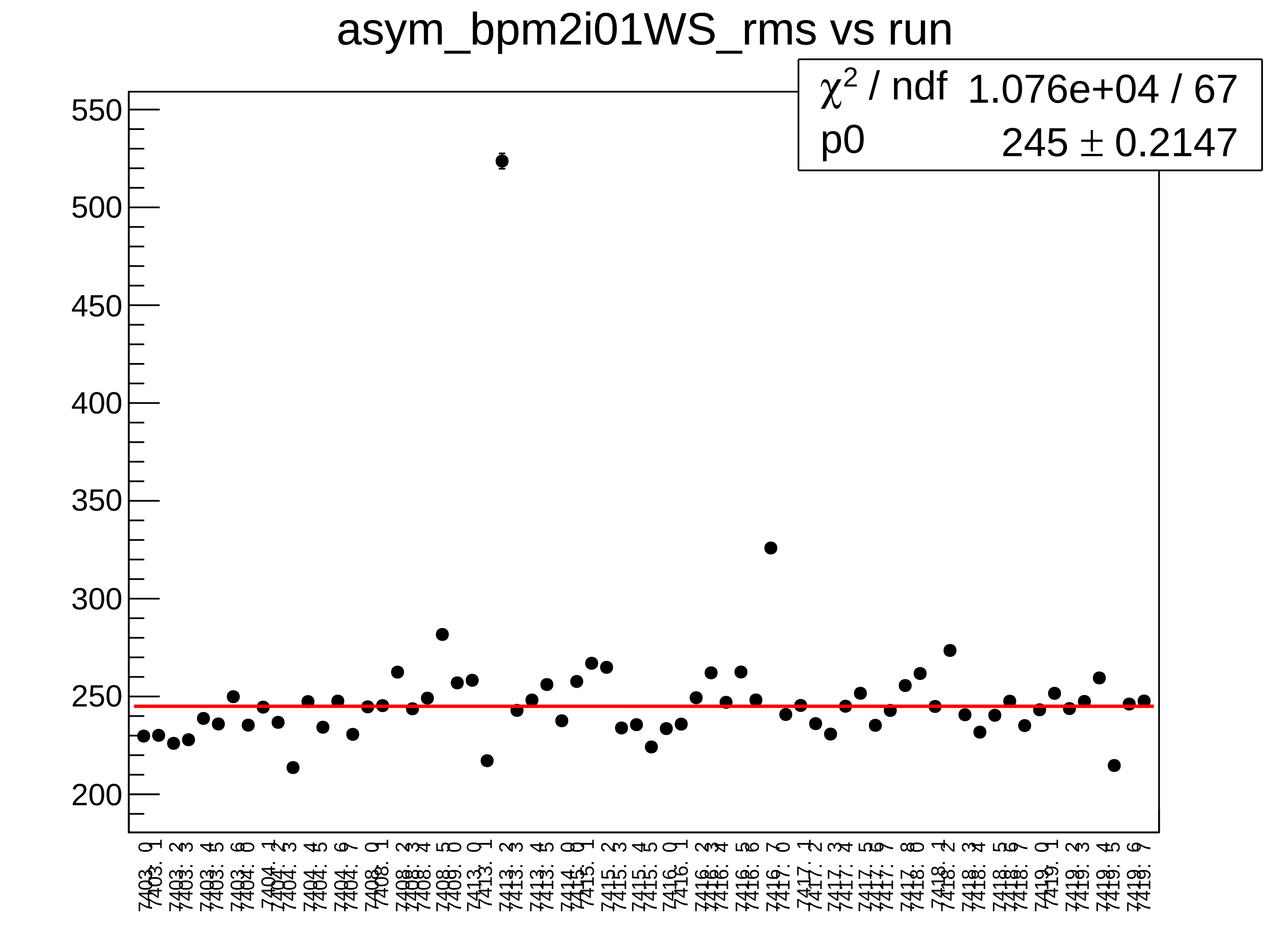


asym_bcm0l02_mean vs run
χ2 / ndf 167.7 / 67
p0 752 ± 267.1
pull
Entries 68
Mean −685.8
Std Dev 727.7
pull1D
Entries 68
Mean 0.004495
Std Dev 1.57

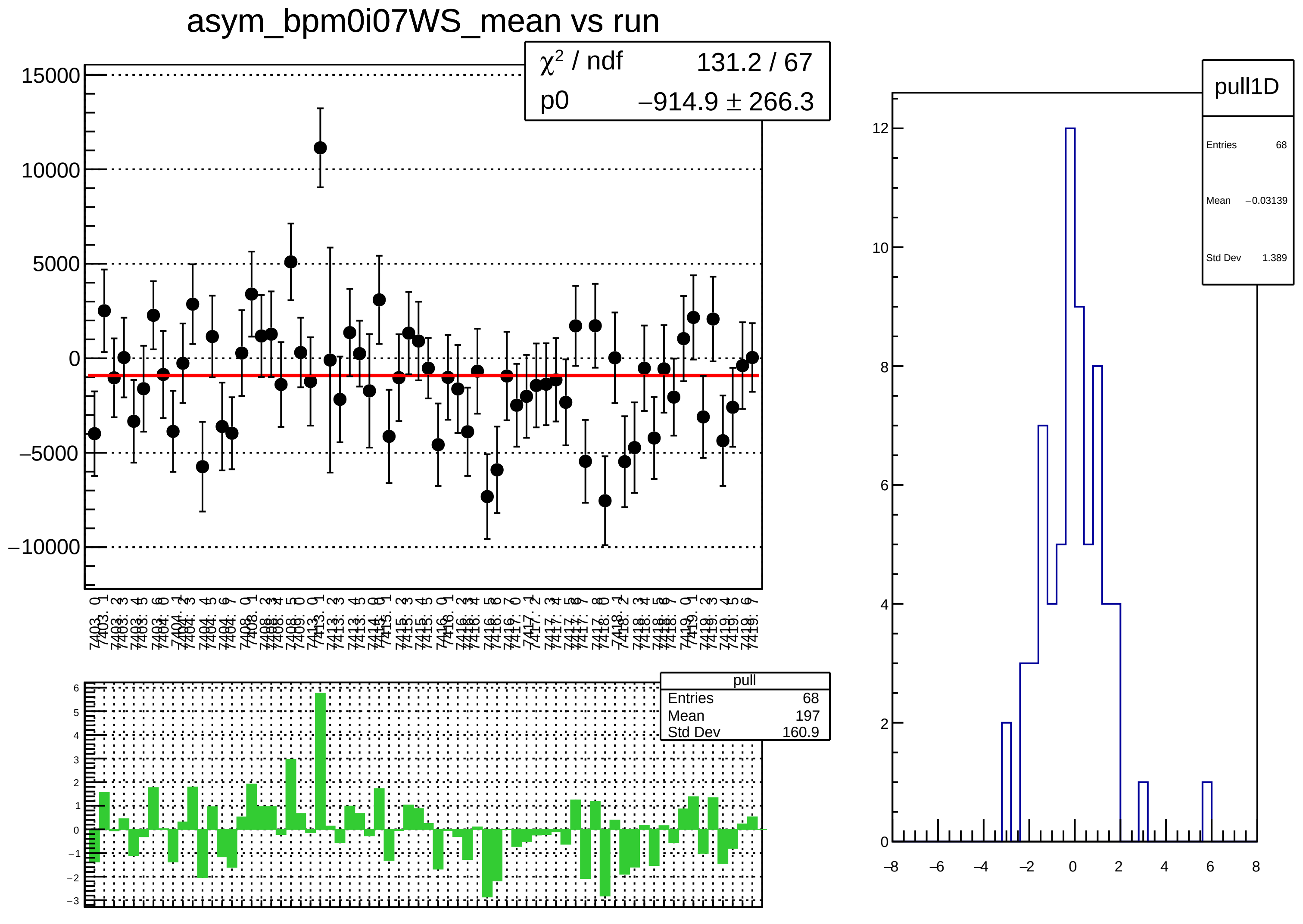


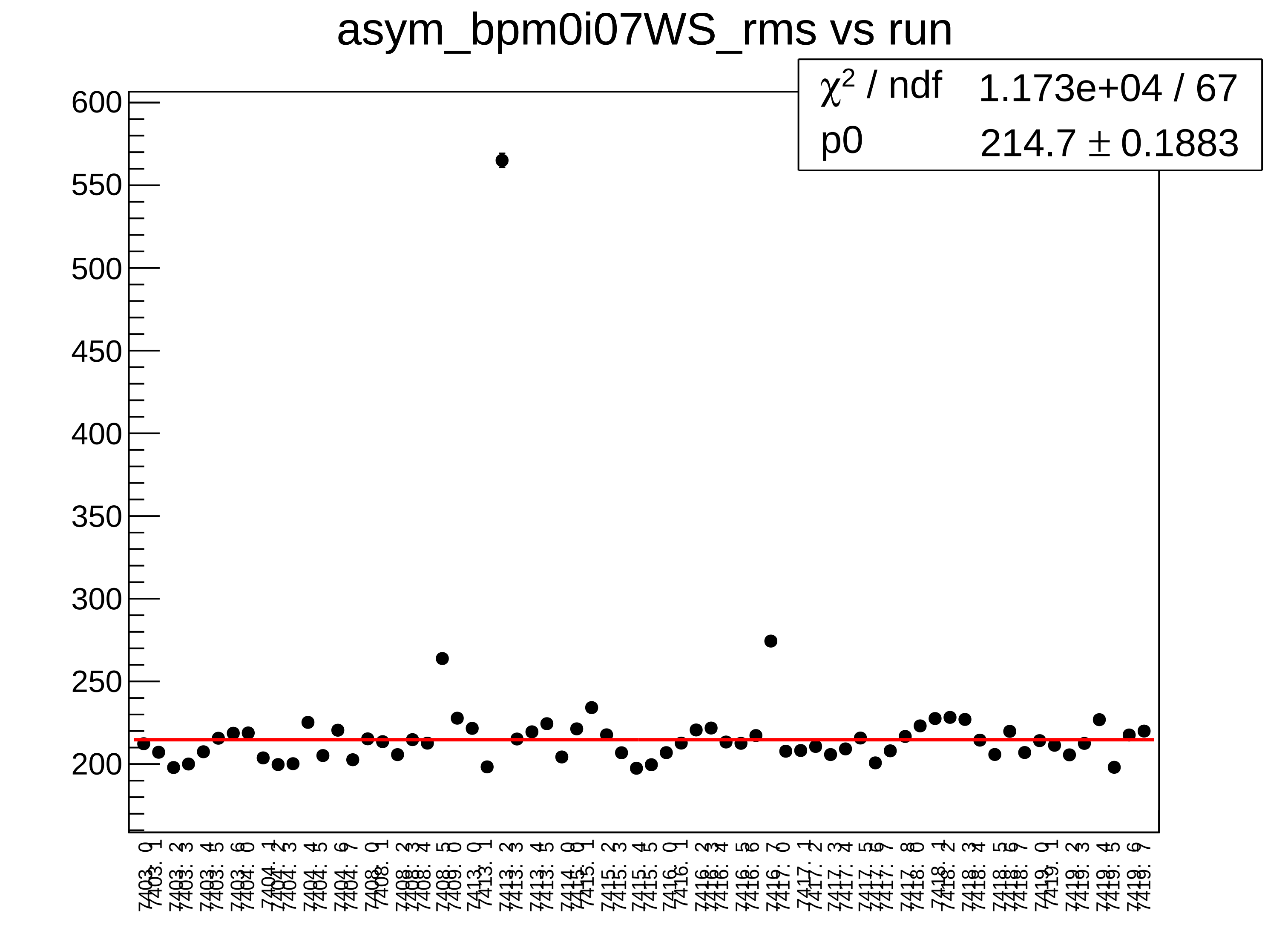
asym_bcm0l02_rms vs run
χ^2 / ndf 1.01e+04 / 67
p0 215.6 ± 0.1889
500
450
400
350
300
250
200


asym_bpm2i01WS_mean vs run
χ^2 / ndf 645.5 / 67
p0 −1.955e+04 ± 303.7
pull
Entries 68
Mean 284.8
Std Dev 240.3
pull1D
Entries 68
Mean −0.7035
Std Dev 1.624

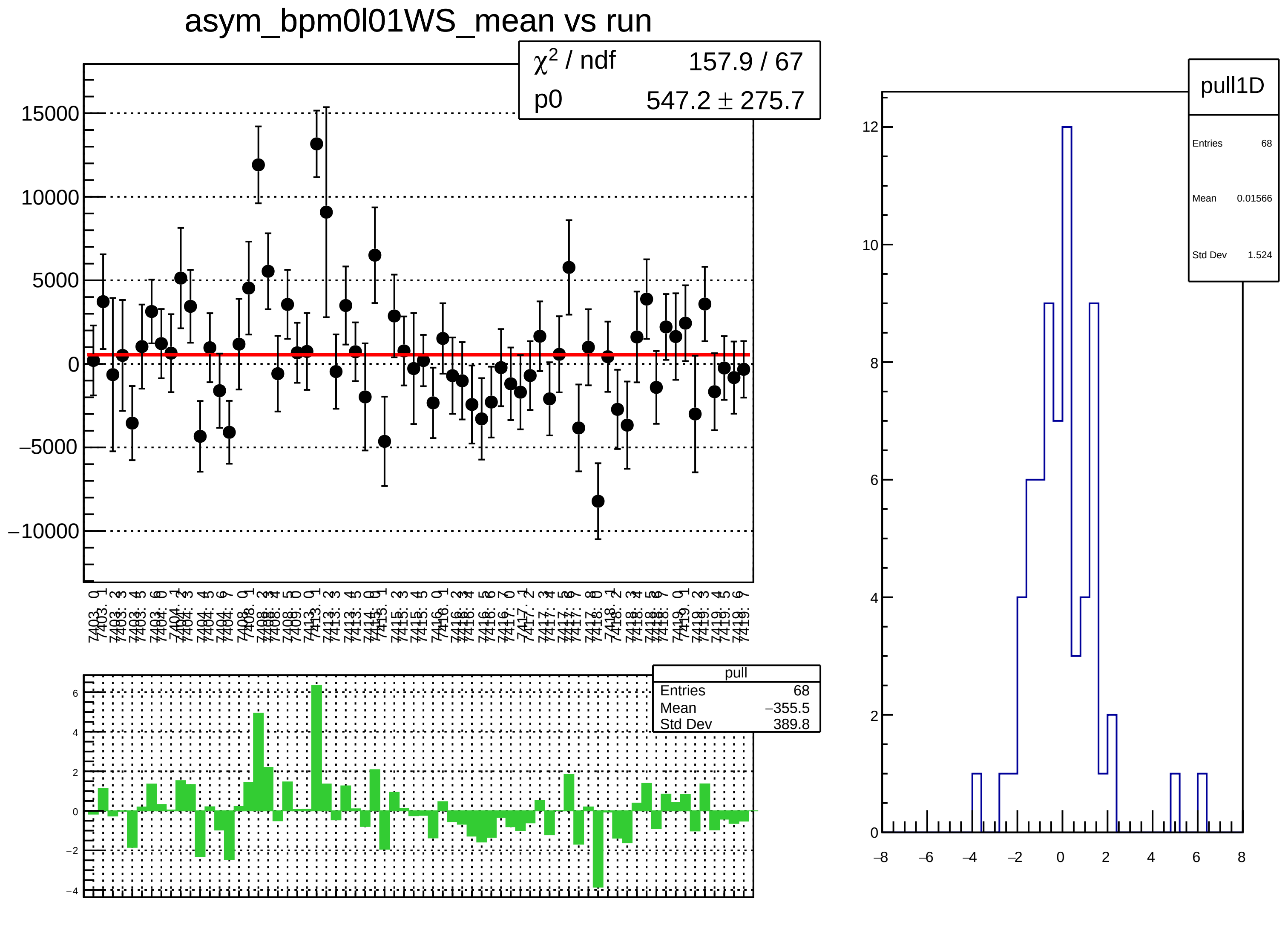


asym_bpm2i01WS_rms vs run
χ2 / ndf 1.076e+04 / 67
p0 245 ± 0.2147
550
500
450
400
350
300
250
200

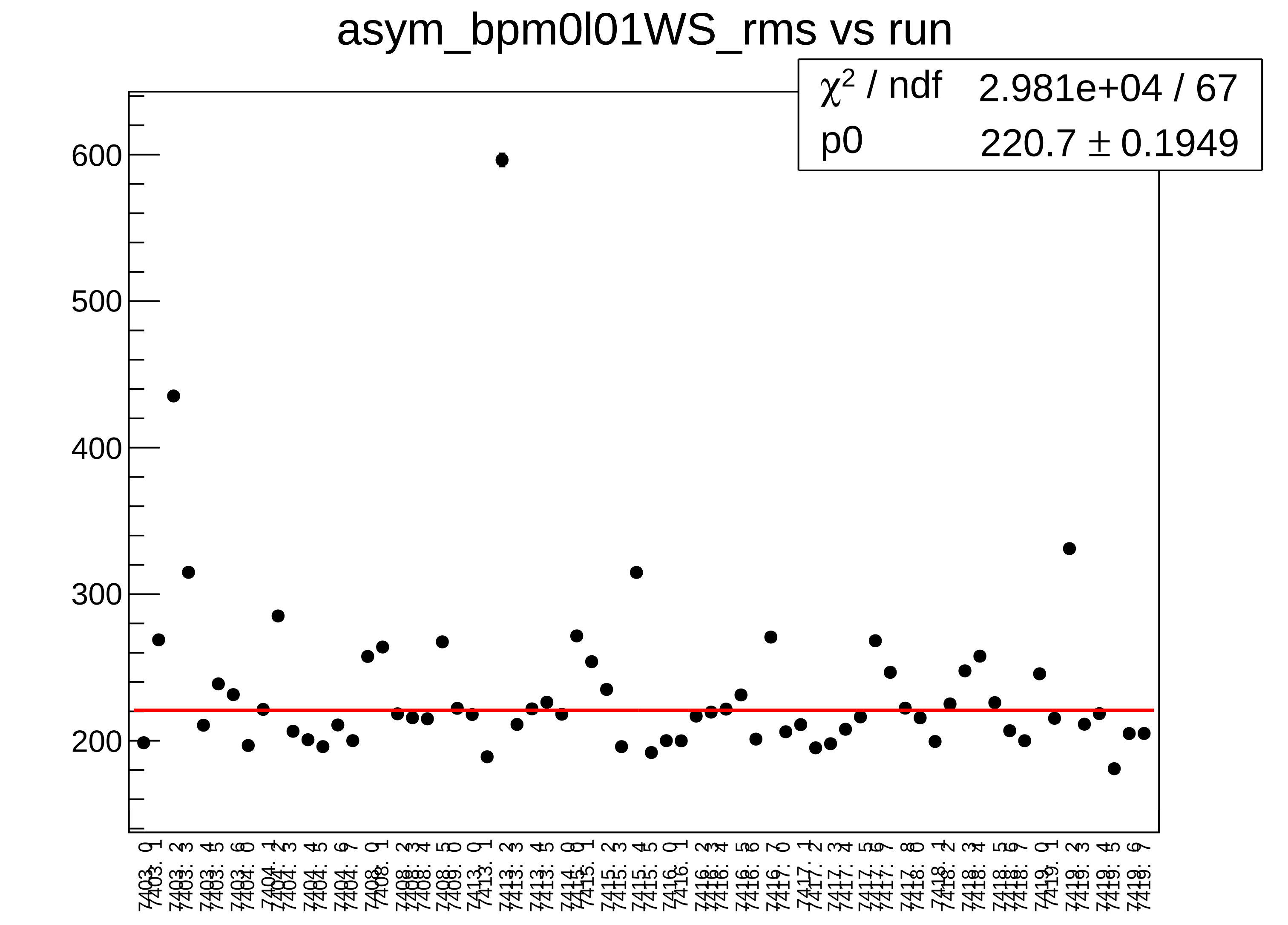

asym_bpm0i07WS_mean vs run
χ^2 / ndf 131.2 / 67
p0 −914.9 ± 266.3
15000
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 197
Std Dev 160.9
pull1D
Entries 68
Mean −0.03139
Std Dev 1.389

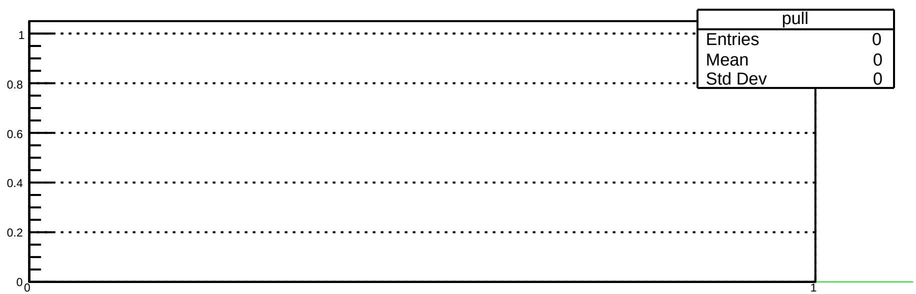


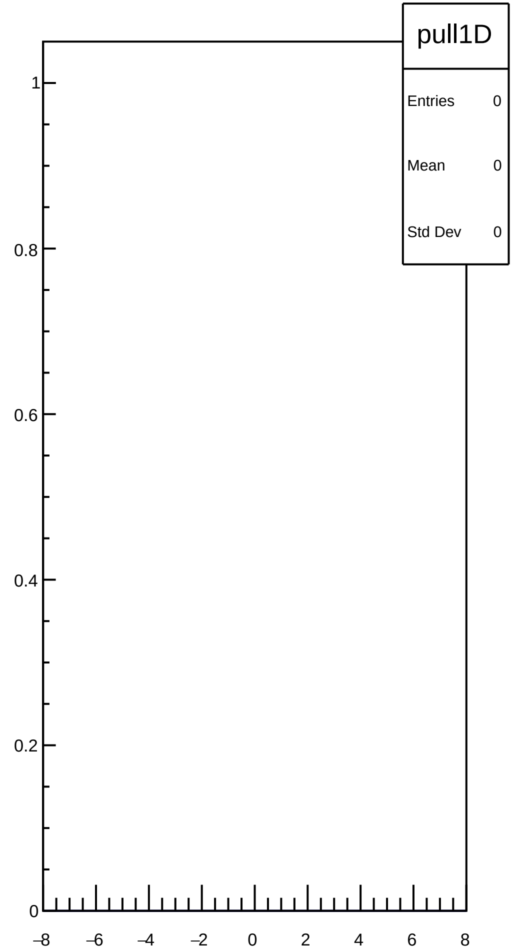
asym_bpm0i07WS_rms vs run
χ^2 / ndf 1.173e+04 / 67
p0 214.7 ± 0.1883
600
550
500
450
400
350
300
250
200

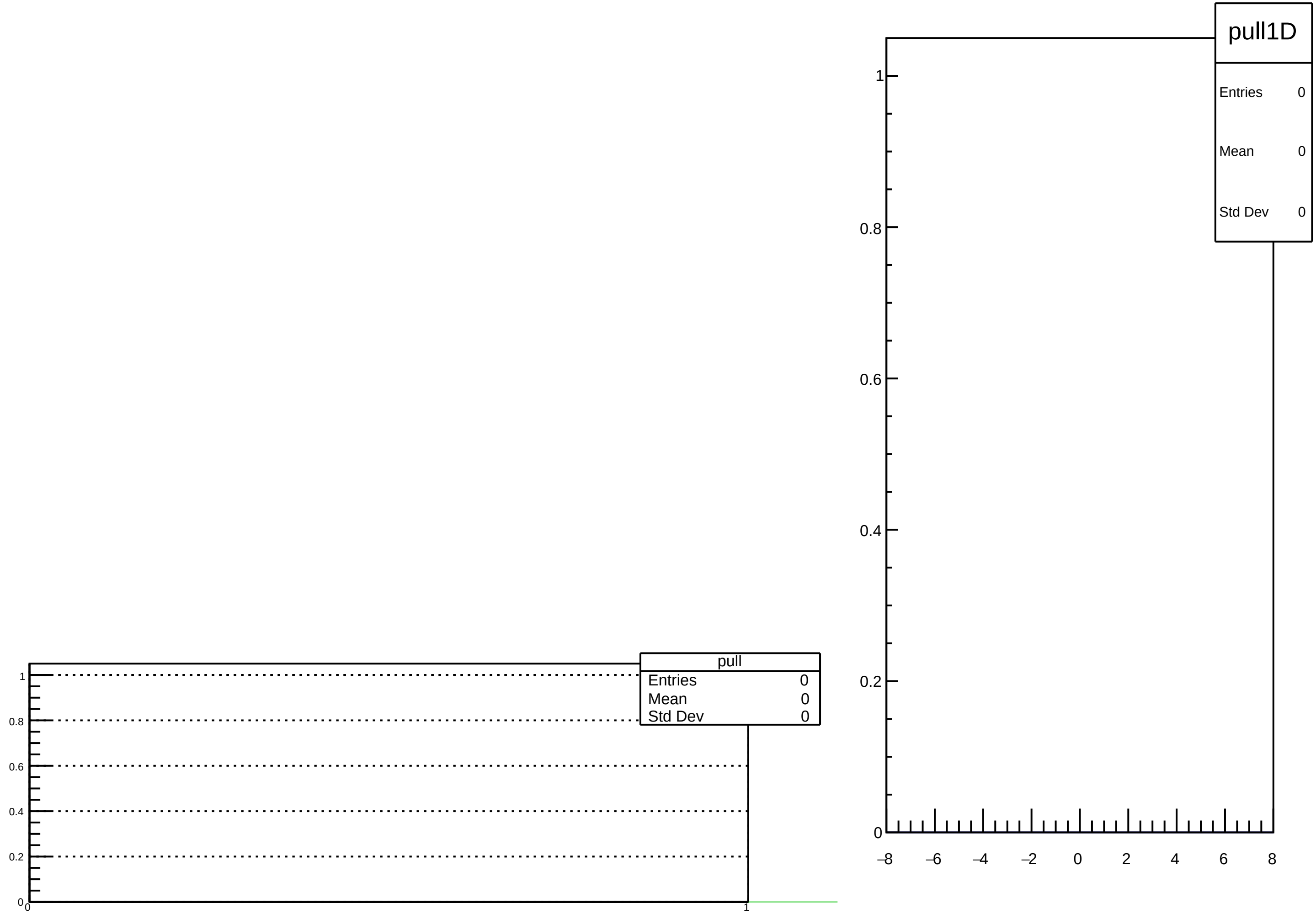


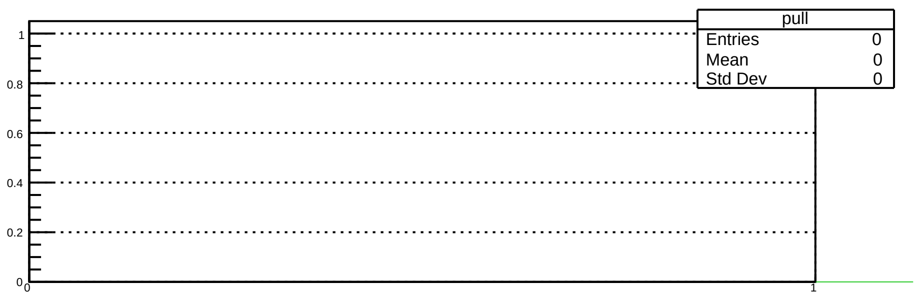
asym_bpm0l01WS_mean vs run
χ^2 / ndf 157.9 / 67
p0 547.2 ± 275.7
15000
10000
5000
0
−5000
−10000
pull
Entries 68
Mean −355.5
Std Dev 389.8
pull1D
Entries 68
Mean 0.01566
Std Dev 1.524

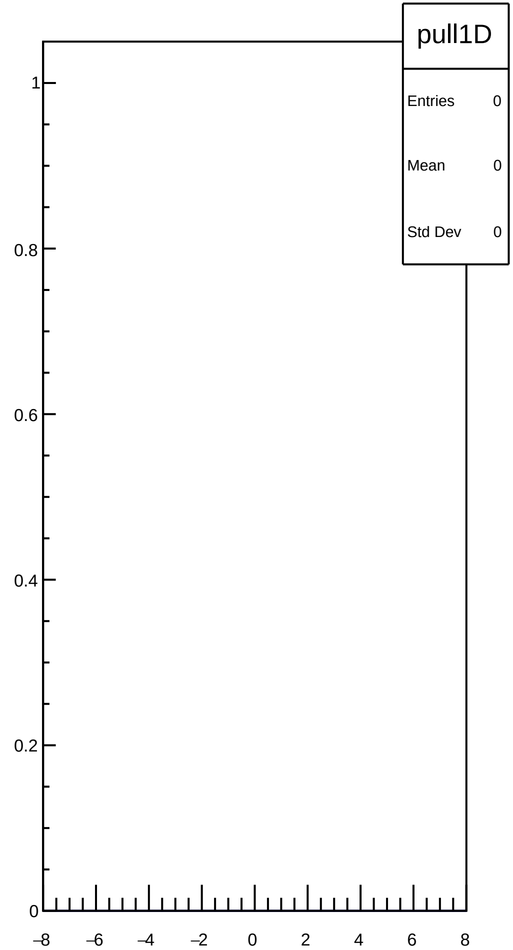

asym_bpm0l01WS_rms vs run
χ2 / ndf 2.981e+04 / 67
p0 220.7 ± 0.1949
600
500
400
300
200

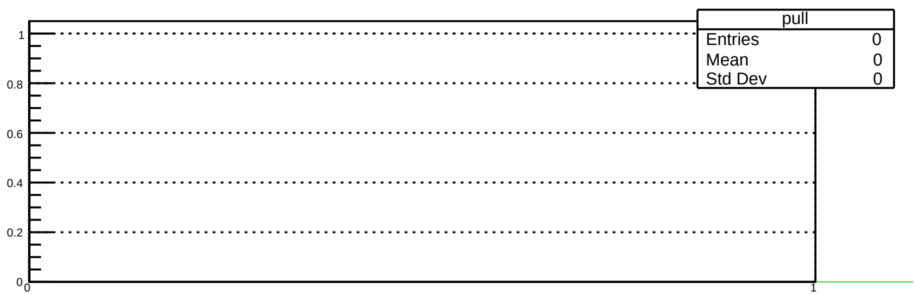

pull
Entries 0
Mean 0
Std Dev 0

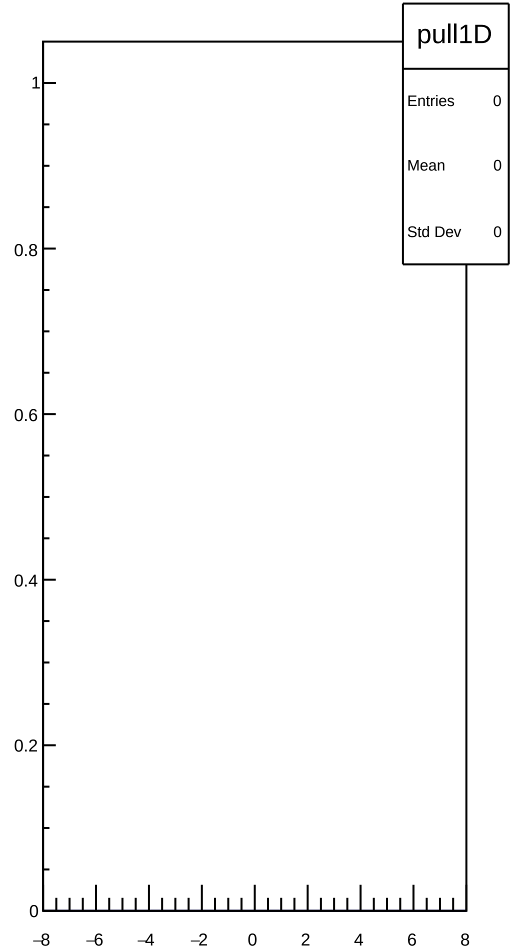

pull1D
Entries 0
Mean 0
Std Dev 0

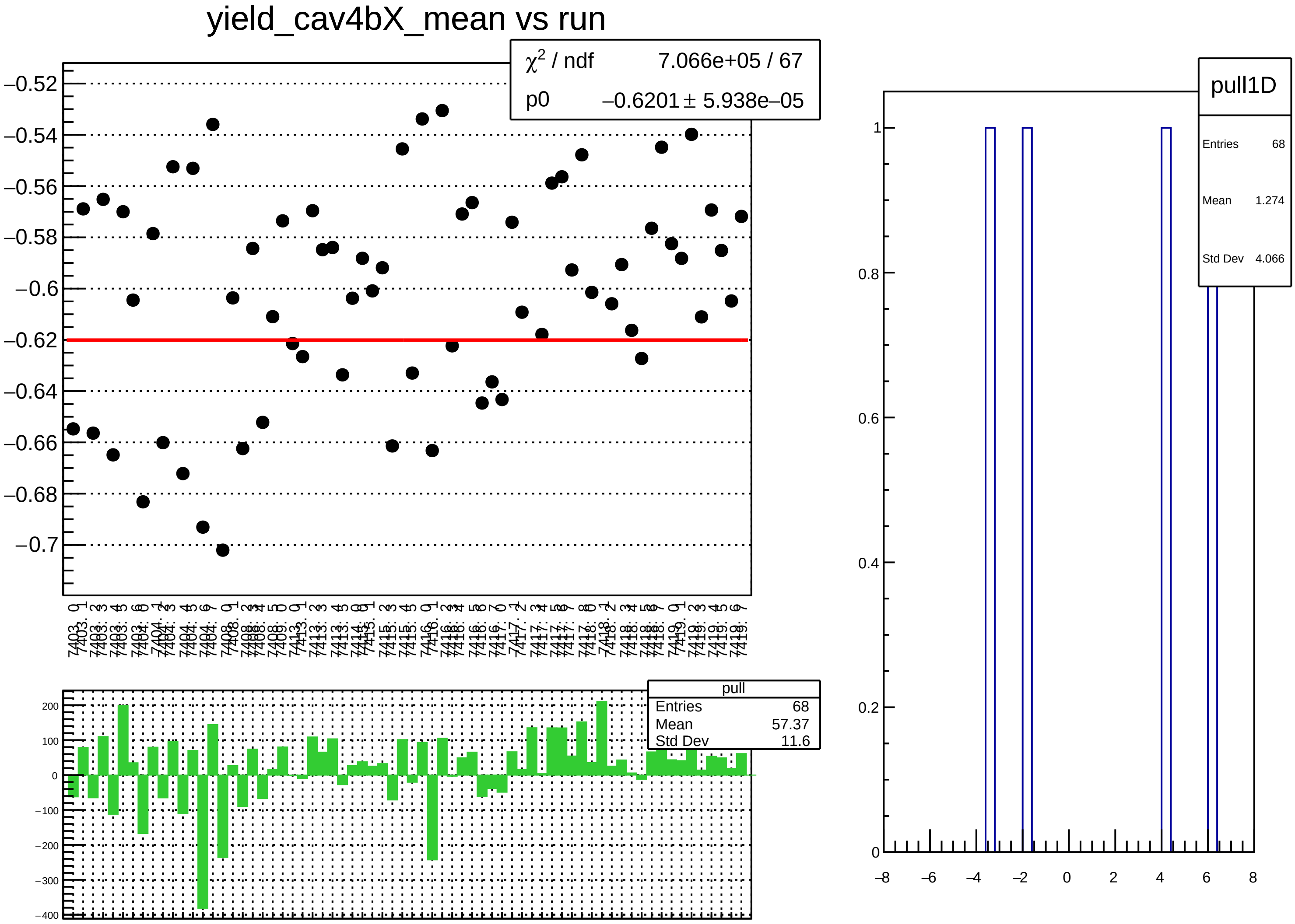

pull
Entries 0
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8


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

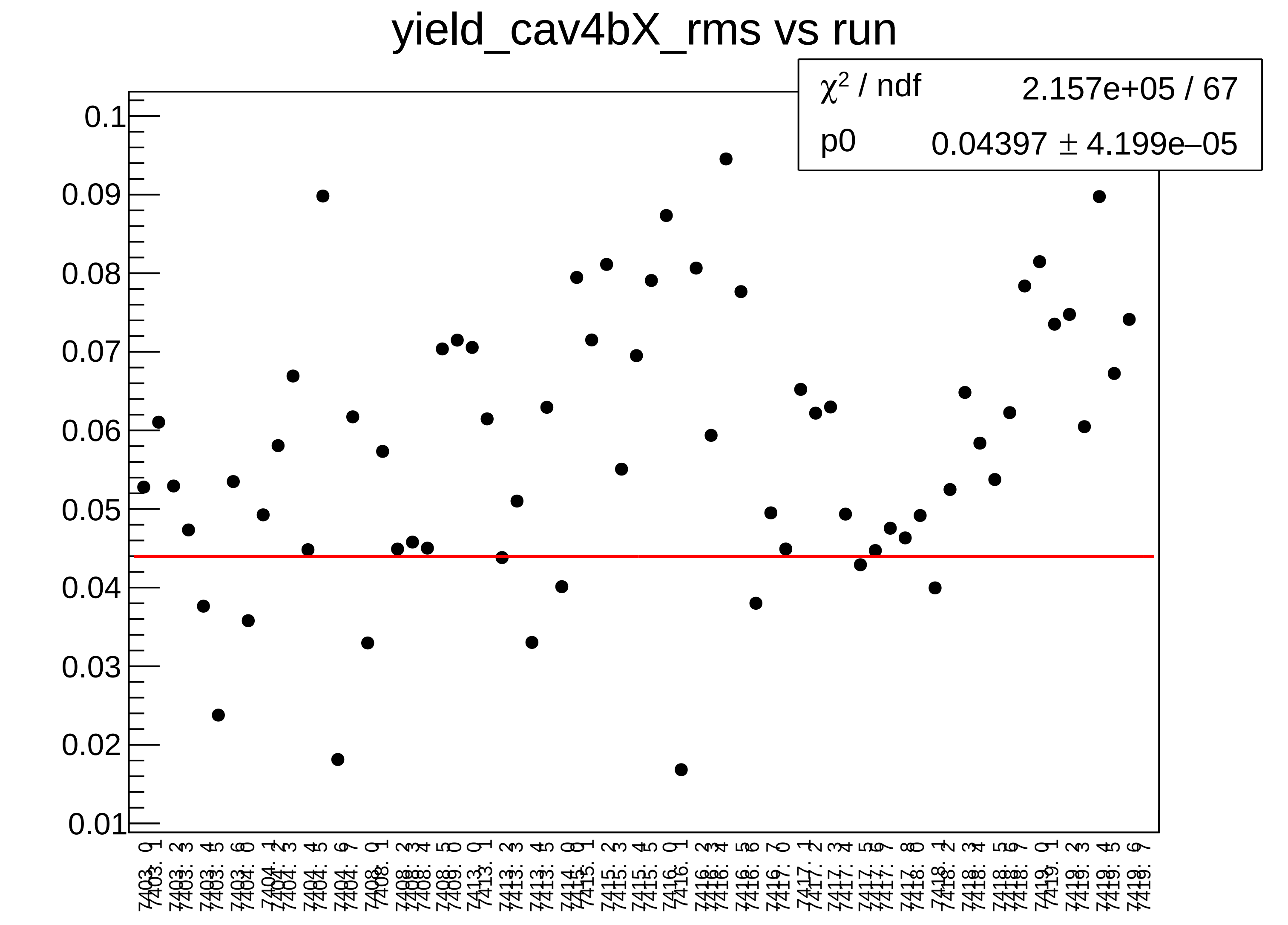

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8


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

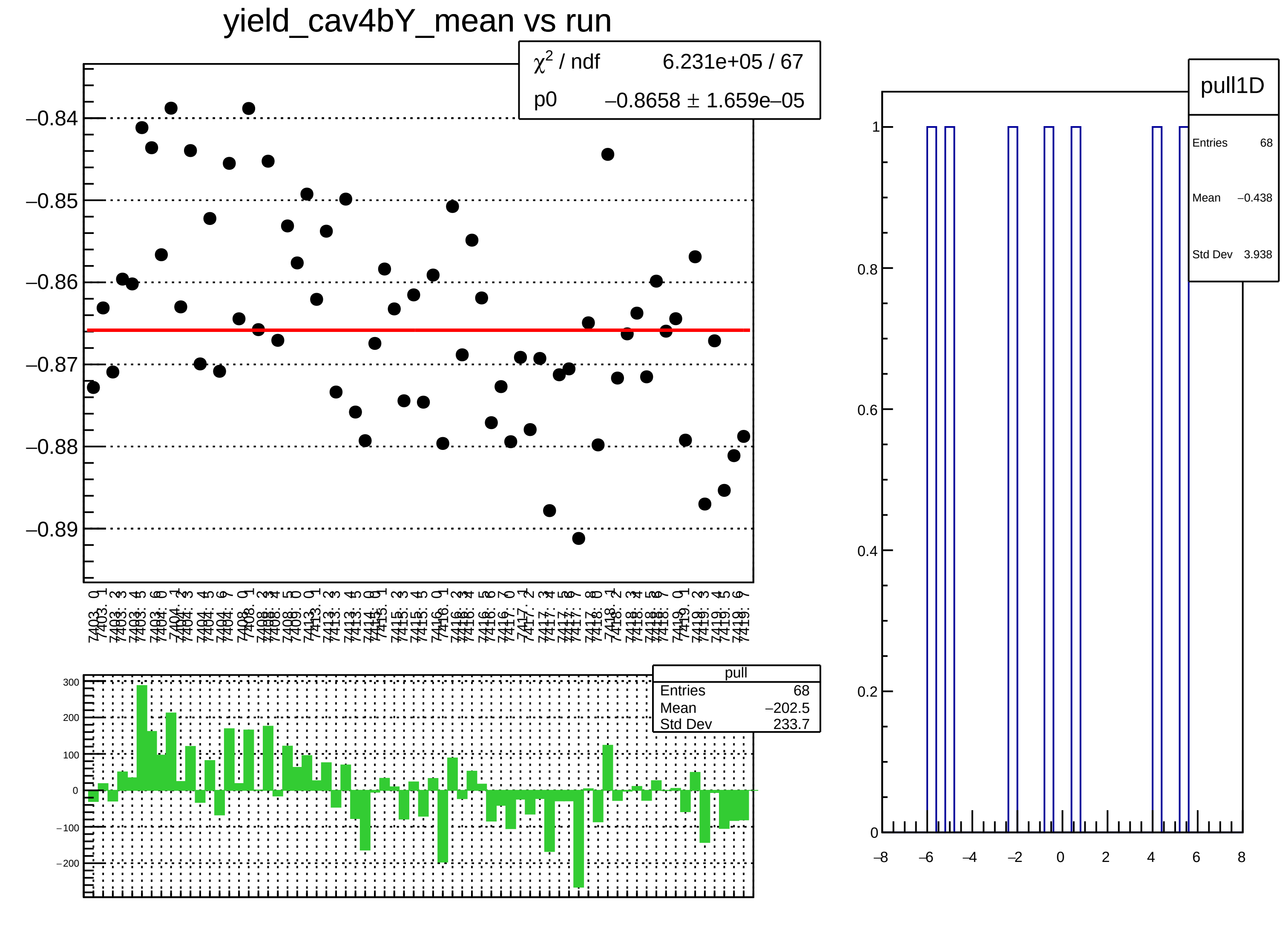

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8



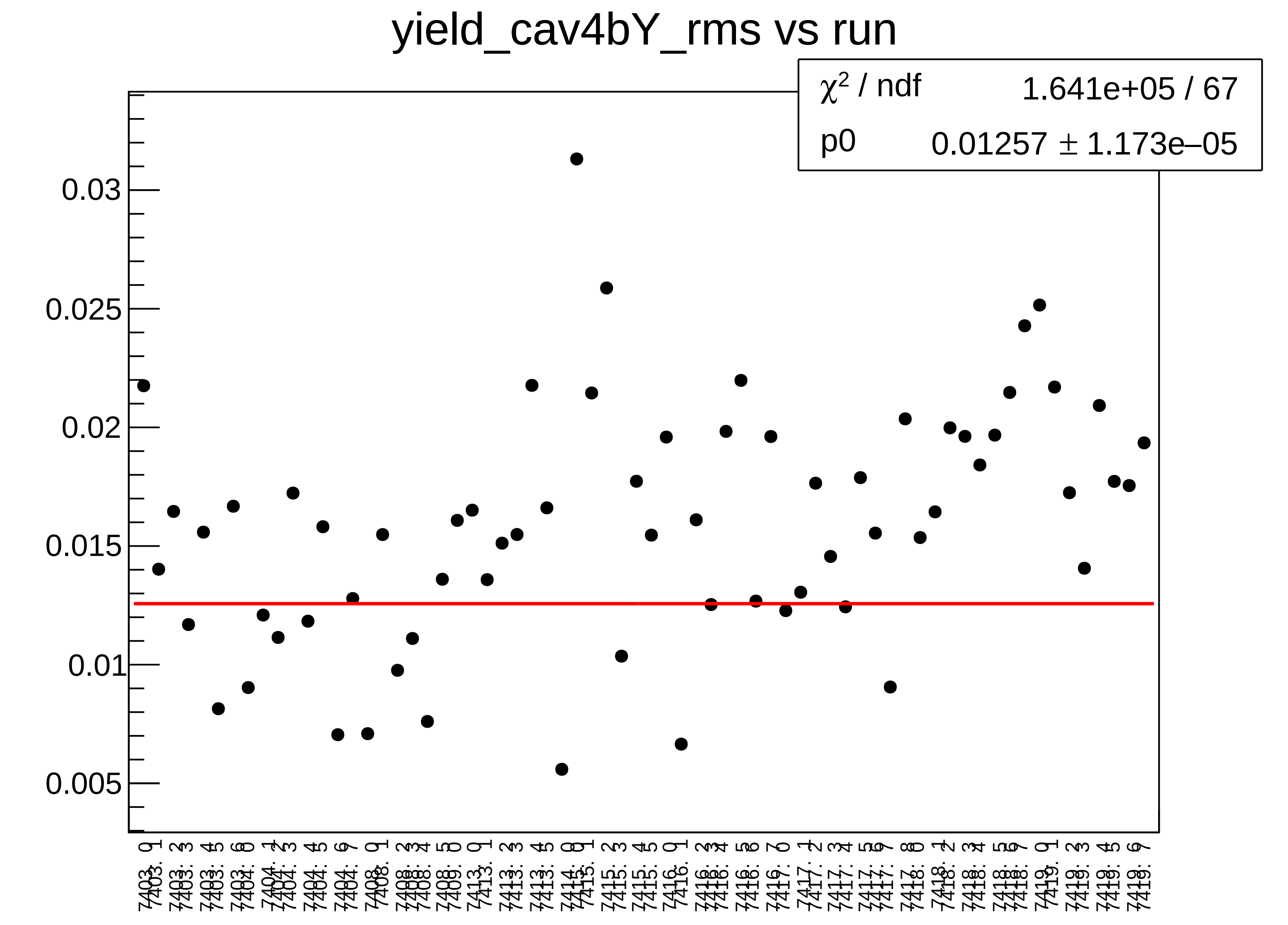
yield_cav4bX_mean vs run
χ^2 / ndf 7.066e+05 / 67
p0 −0.6201 ± 5.938e−05
pull
Entries 68
Mean 57.37
Std Dev 11.6
pull1D
Entries 68
Mean 1.274
Std Dev 4.066

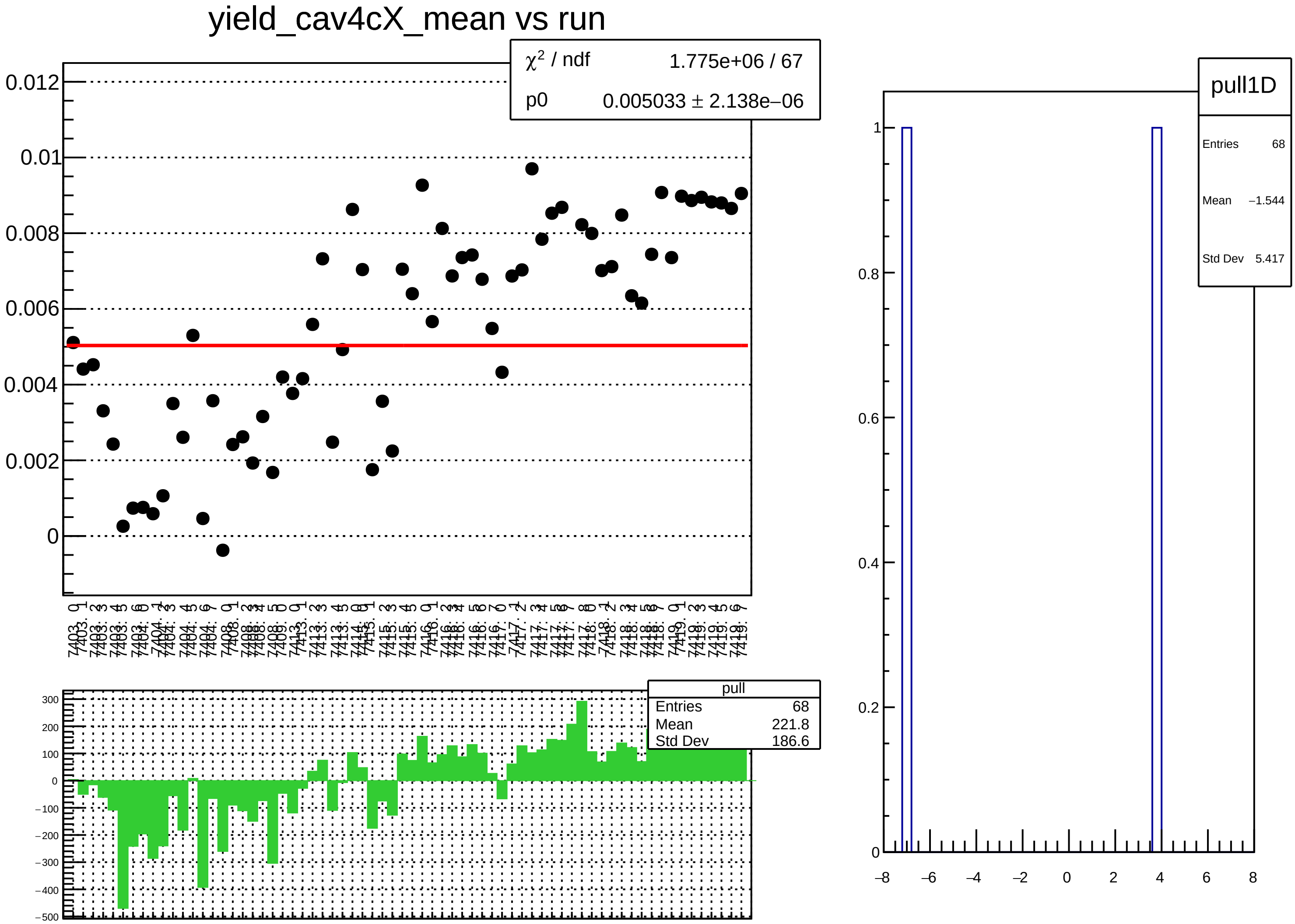


yield_cav4bX_rms vs run
χ^2 / ndf 2.157e+05 / 67
p0 0.04397 ± 4.199e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

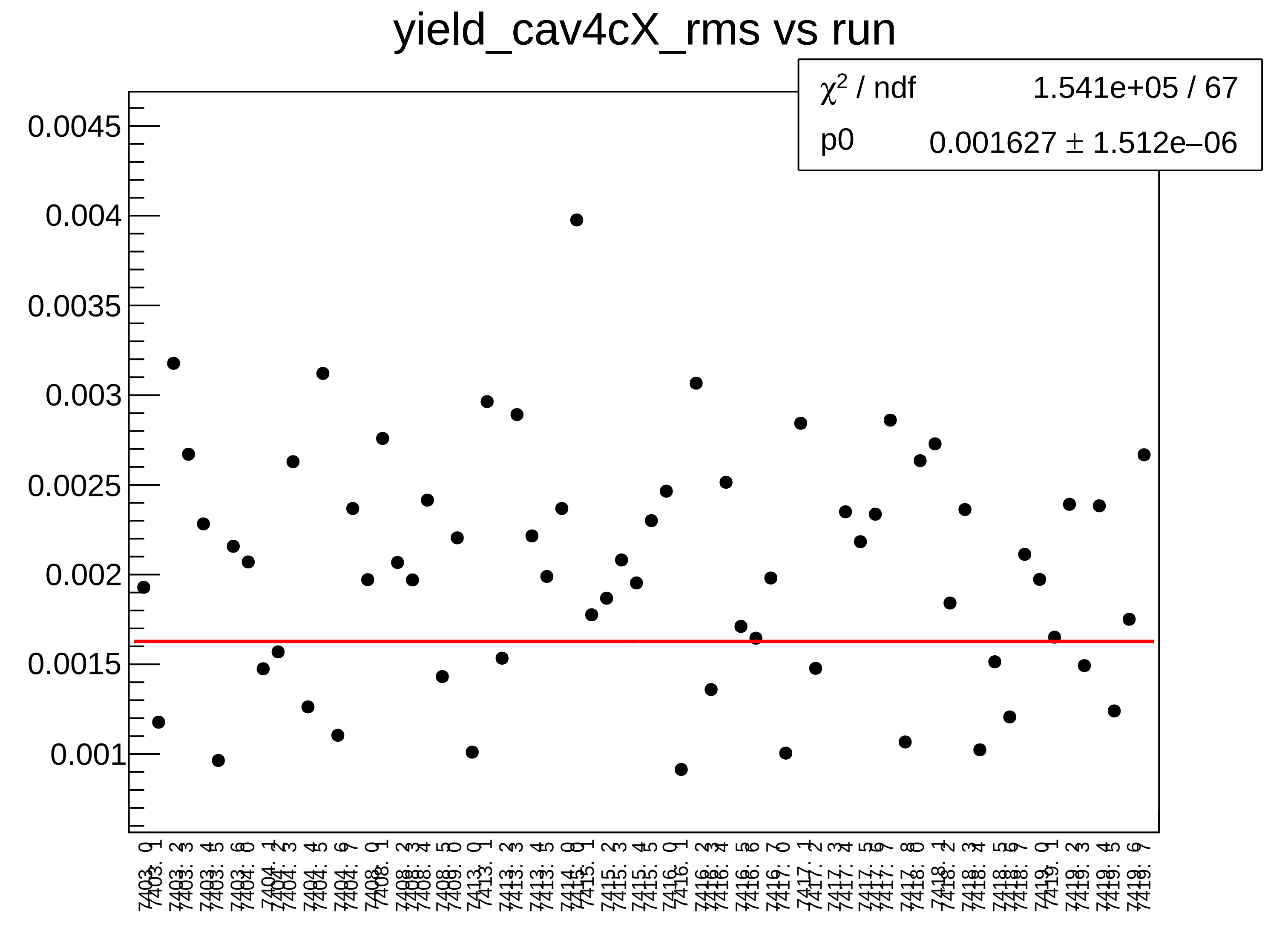


yield_cav4bY_mean vs run
χ^2 / ndf 6.231e+05 / 67
p0 −0.8658 ± 1.659e−05
pull
Entries 68
Mean −202.5
Std Dev 233.7
pull1D
Entries 68
Mean −0.438
Std Dev 3.938

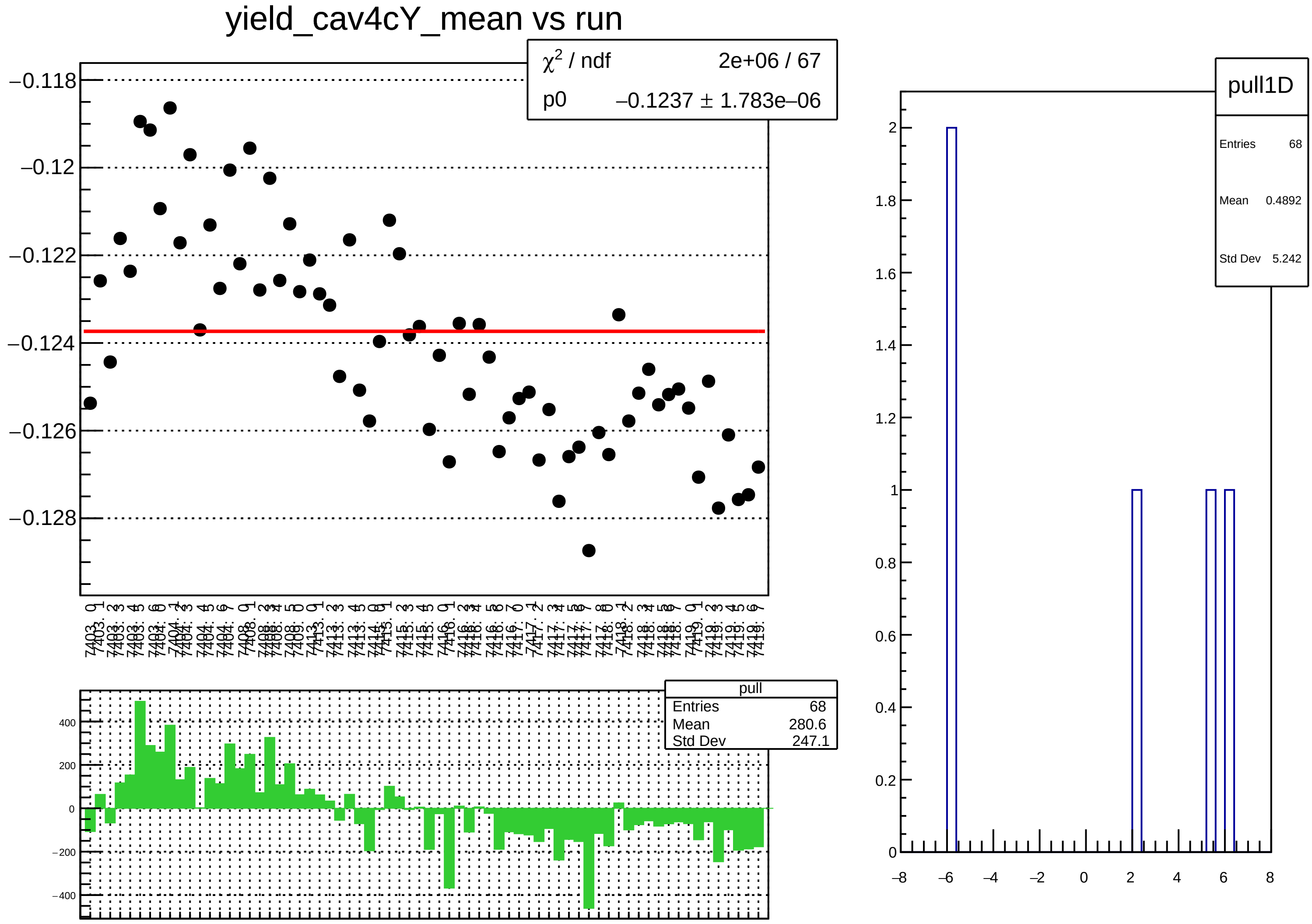

yield_cav4bY_rms vs run
χ2 / ndf 1.641e+05 / 67
p0 0.01257 ± 1.173e−05
0.03
0.025
0.02
0.015
0.01
0.005

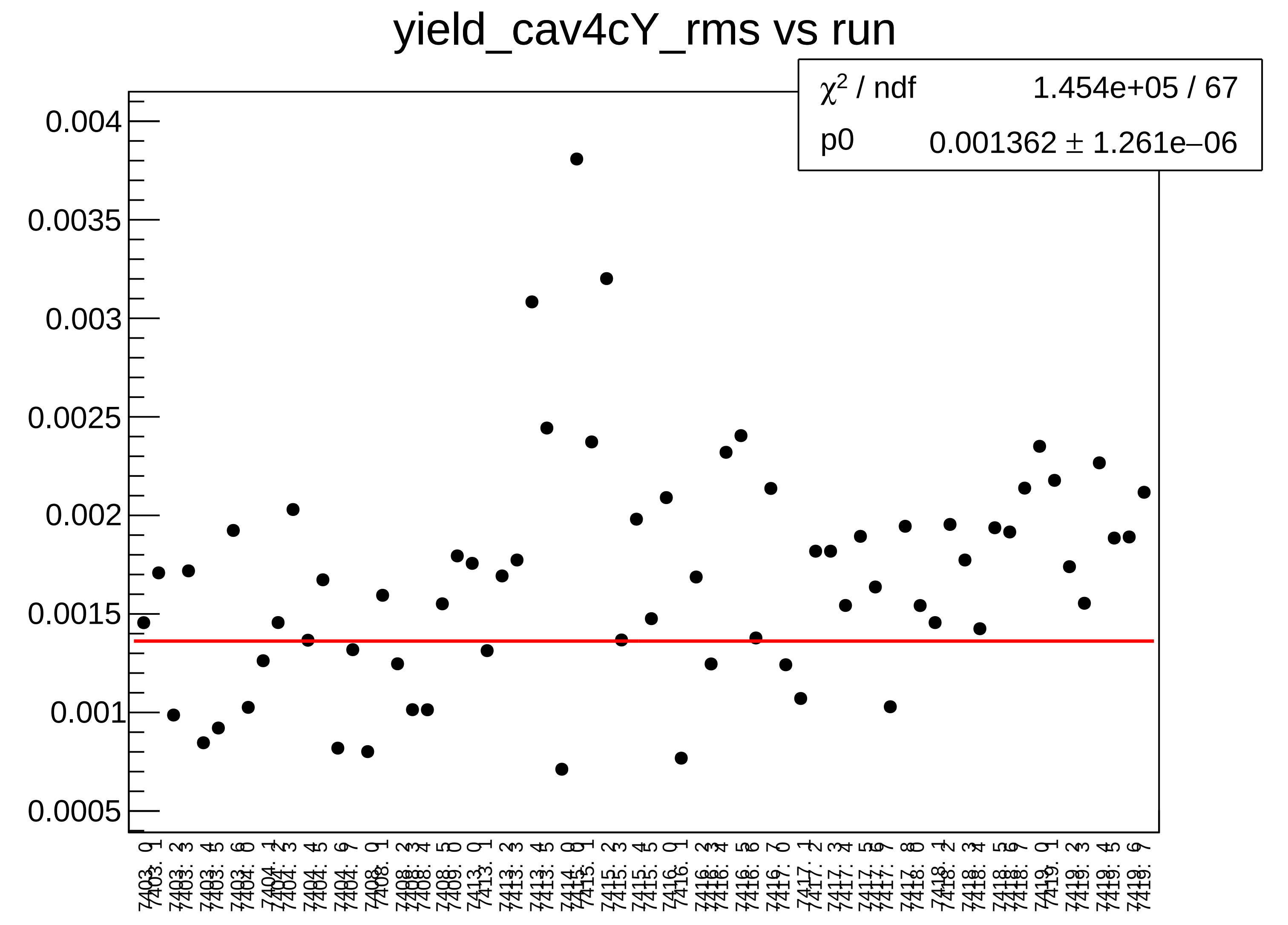


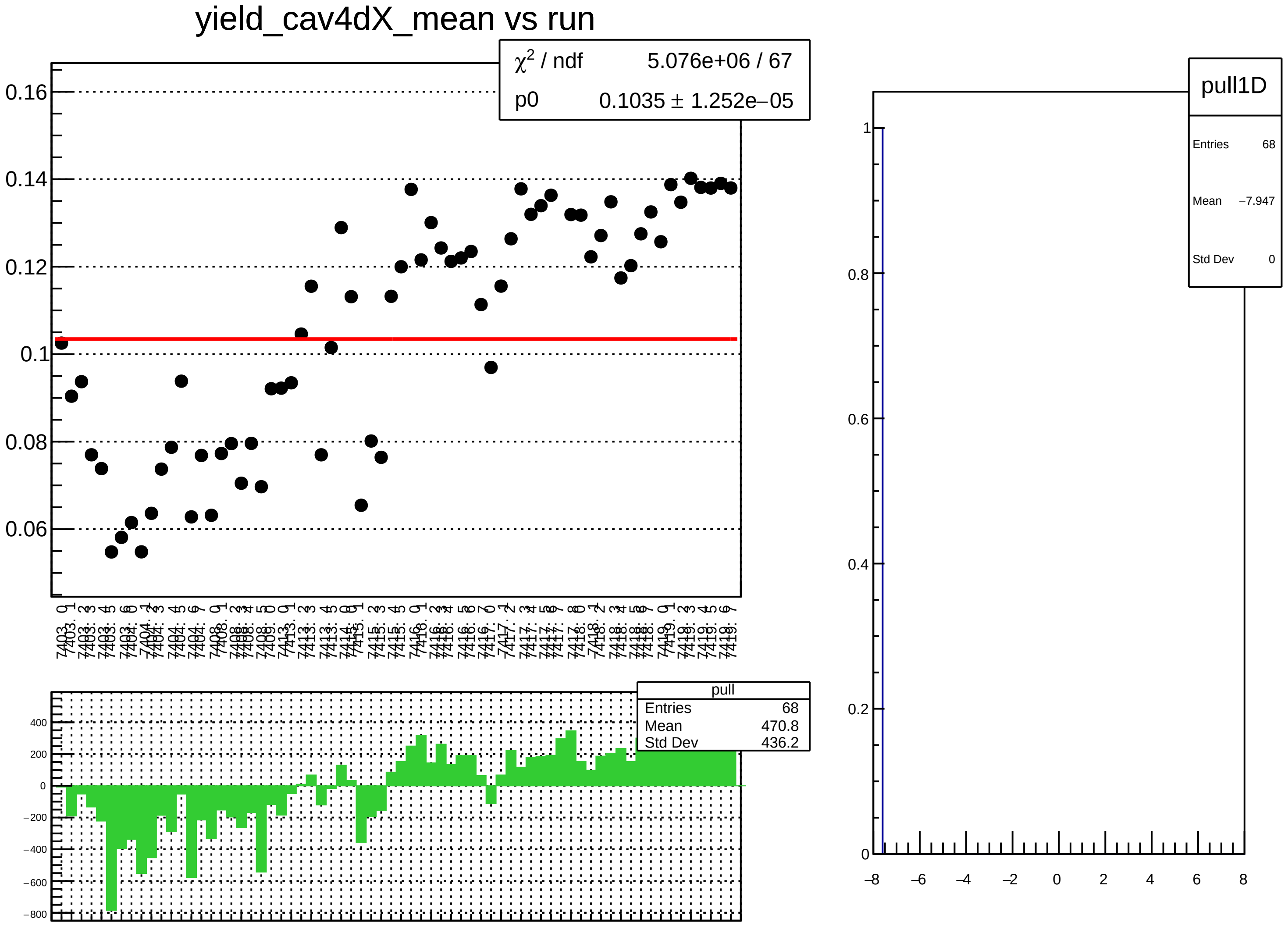
yield_cav4cX_mean vs run
χ^2 / ndf 1.775e+06 / 67
p0 0.005033 ± 2.138e−06
pull
Entries 68
Mean 221.8
Std Dev 186.6
pull1D
Entries 68
Mean −1.544
Std Dev 5.417

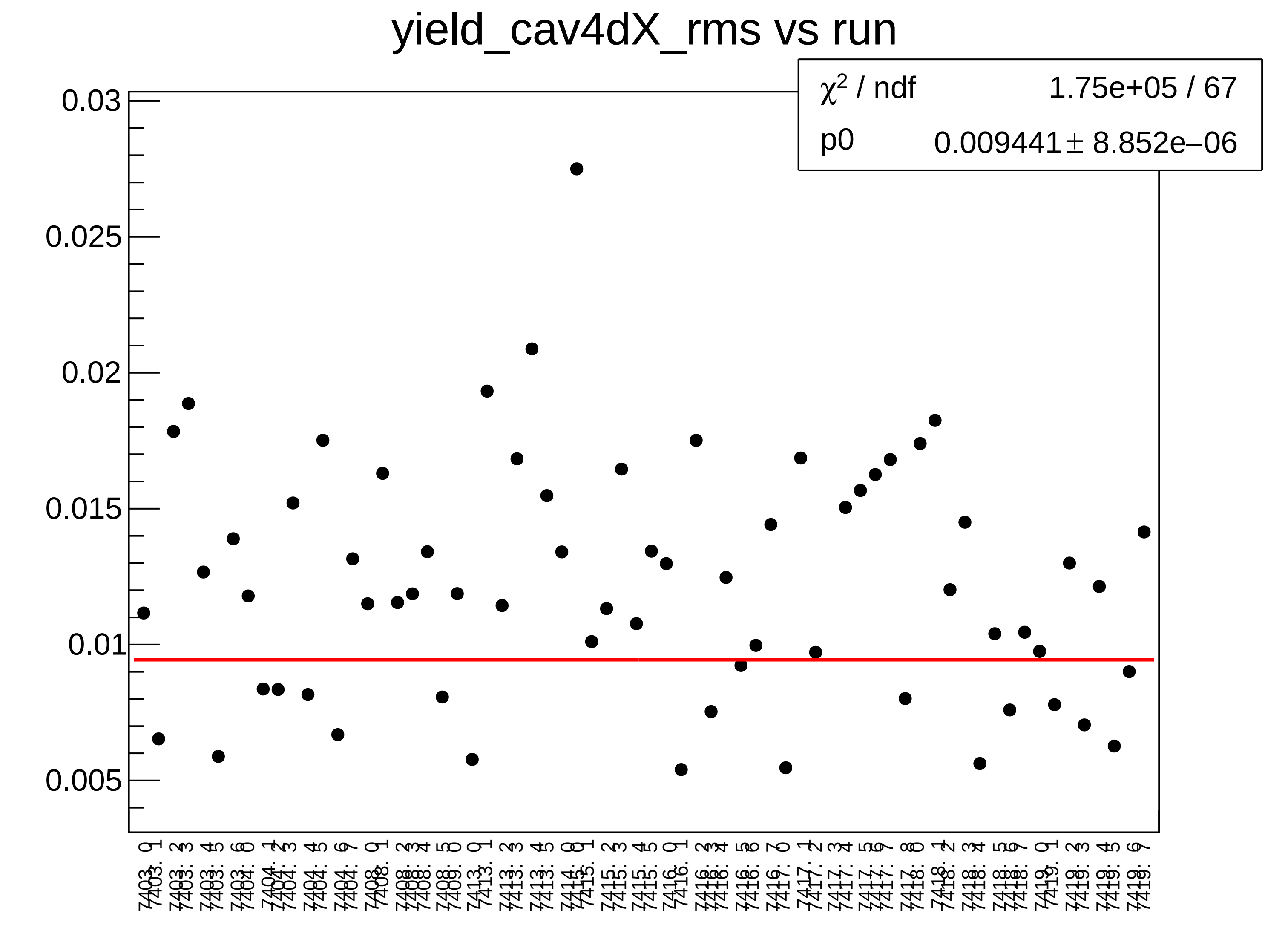


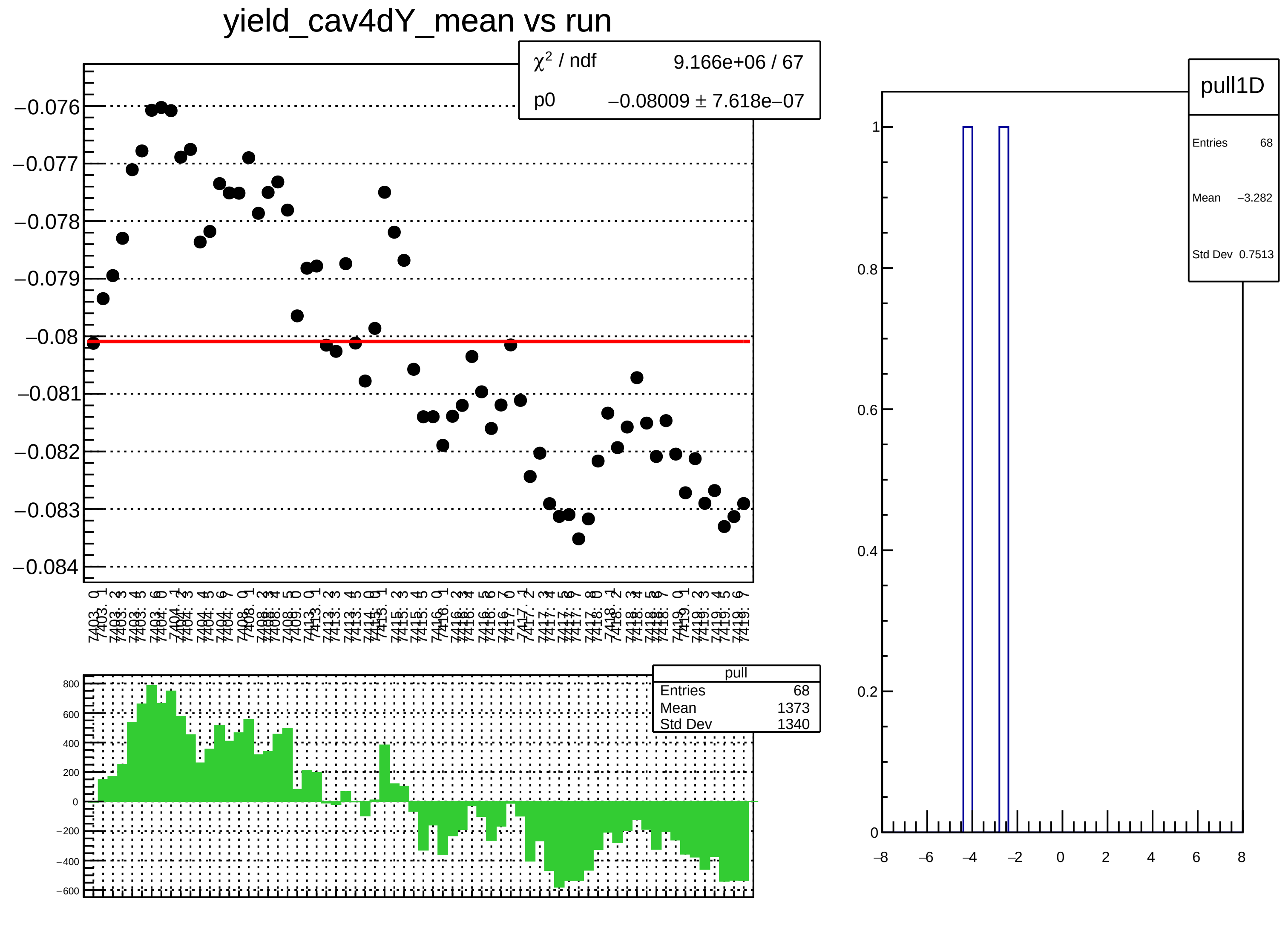
yield_cav4cX_rms vs run
χ^2 / ndf 1.541e+05 / 67
p0 0.001627 ± 1.512e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001


yield_cav4cY_mean vs run
χ^2 / ndf 2e+06 / 67
p0 −0.1237 ± 1.783e−06
−0.118
−0.12
−0.122
−0.124
−0.126
−0.128
pull
Entries 68
Mean 280.6
Std Dev 247.1
400
200
0
−200
−400
pull1D
Entries 68
Mean 0.4892
Std Dev 5.242
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

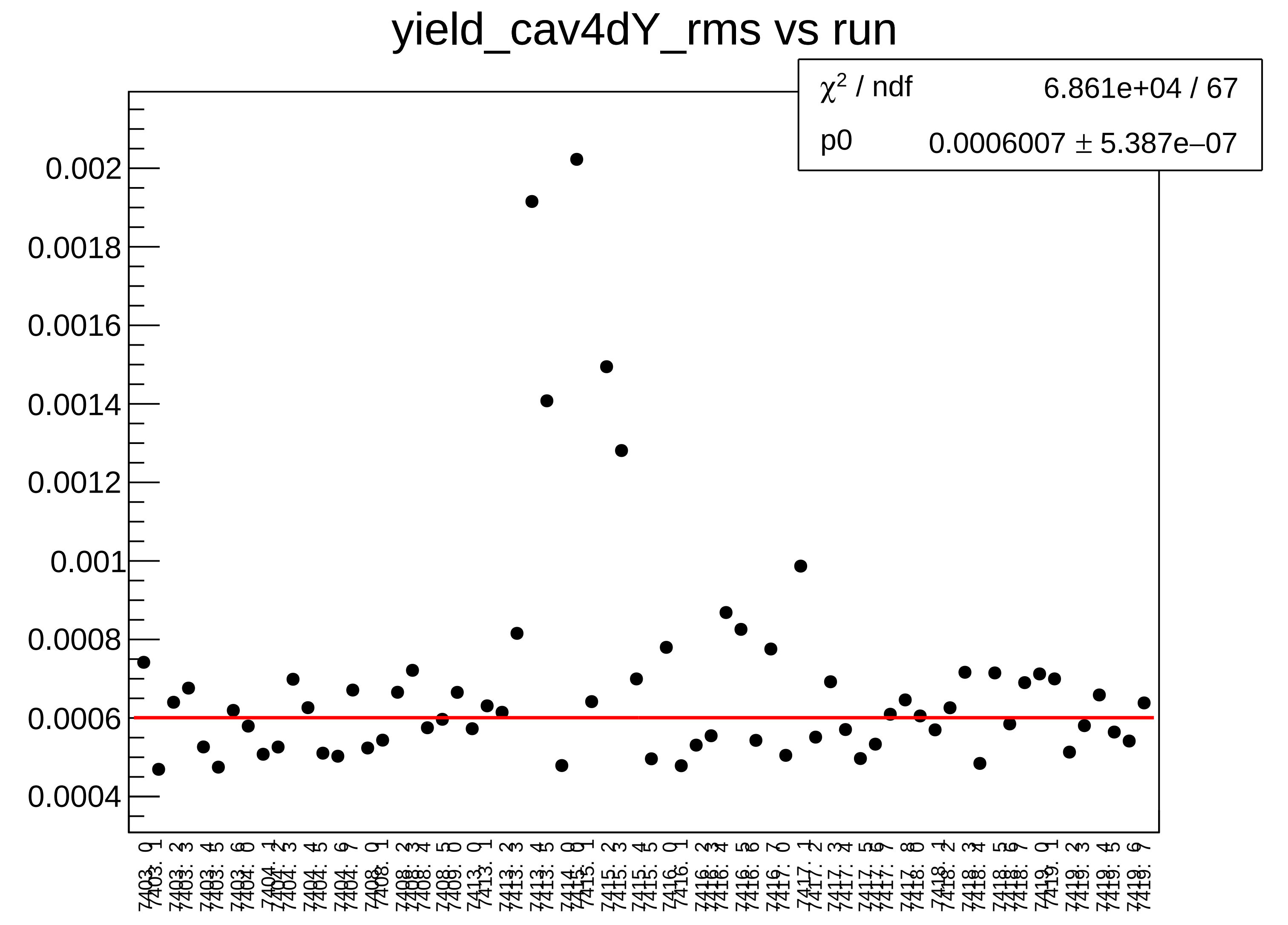

yield_cav4cY_rms vs run
χ^2 / ndf 1.454e+05 / 67
p0 0.001362 ± 1.261e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005


yield_cav4dX_mean vs run
χ² / ndf 5.076e+06 / 67
p0 0.1035 ± 1.252e−05
pull
Entries 68
Mean 470.8
Std Dev 436.2
pull1D
Entries 68
Mean −7.947
Std Dev 0

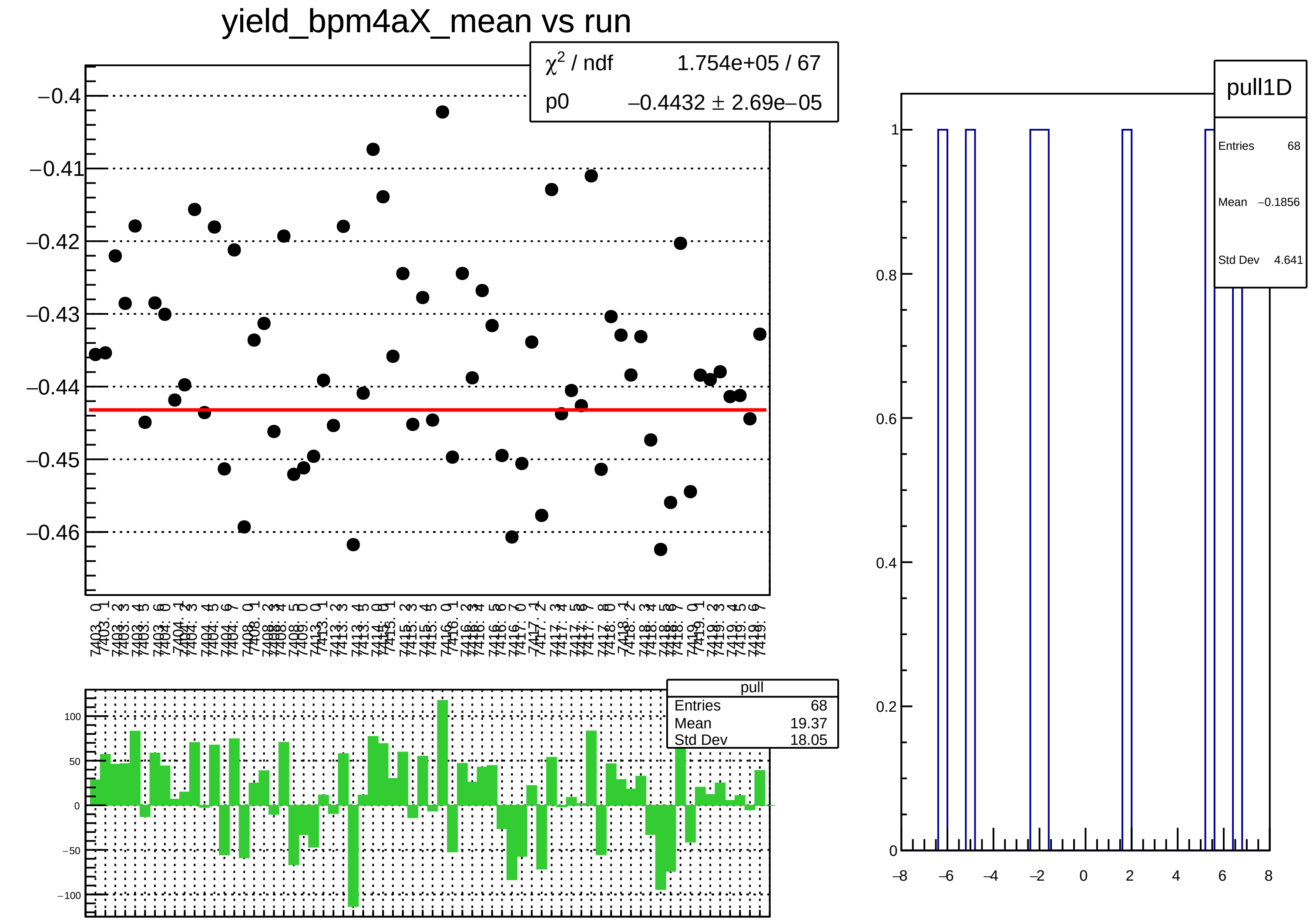

yield_cav4dX_rms vs run
χ2 / ndf 1.75e+05 / 67
p0 0.009441 ± 8.852e−06
0.03
0.025
0.02
0.015
0.01
0.005



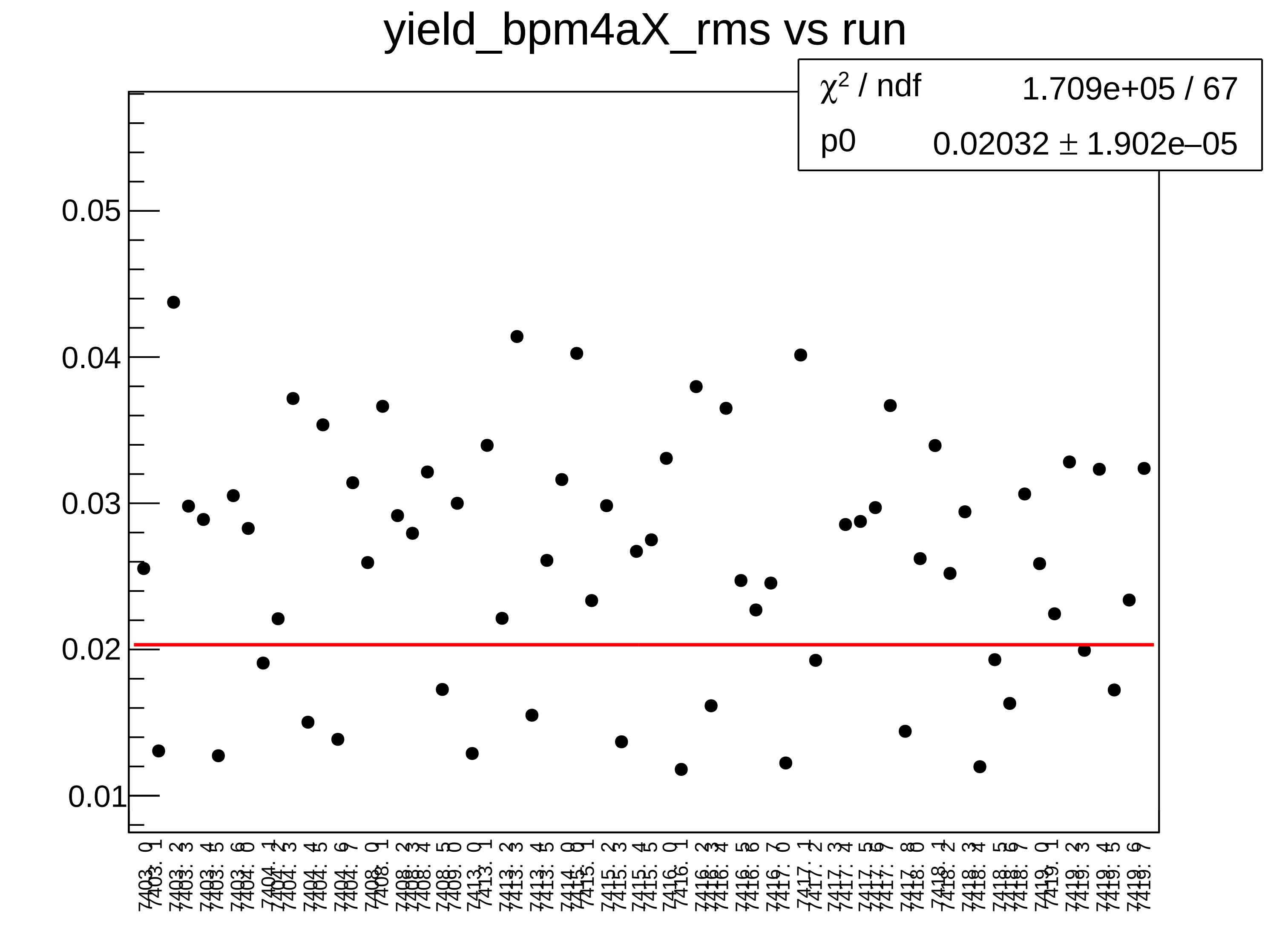
yield_cav4dY_mean vs run
χ2 / ndf 9.166e+06 / 67
p0 −0.08009 ± 7.618e−07
pull
Entries 68
Mean 1373
Std Dev 1340
pull1D
Entries 68
Mean −3.282
Std Dev 0.7513

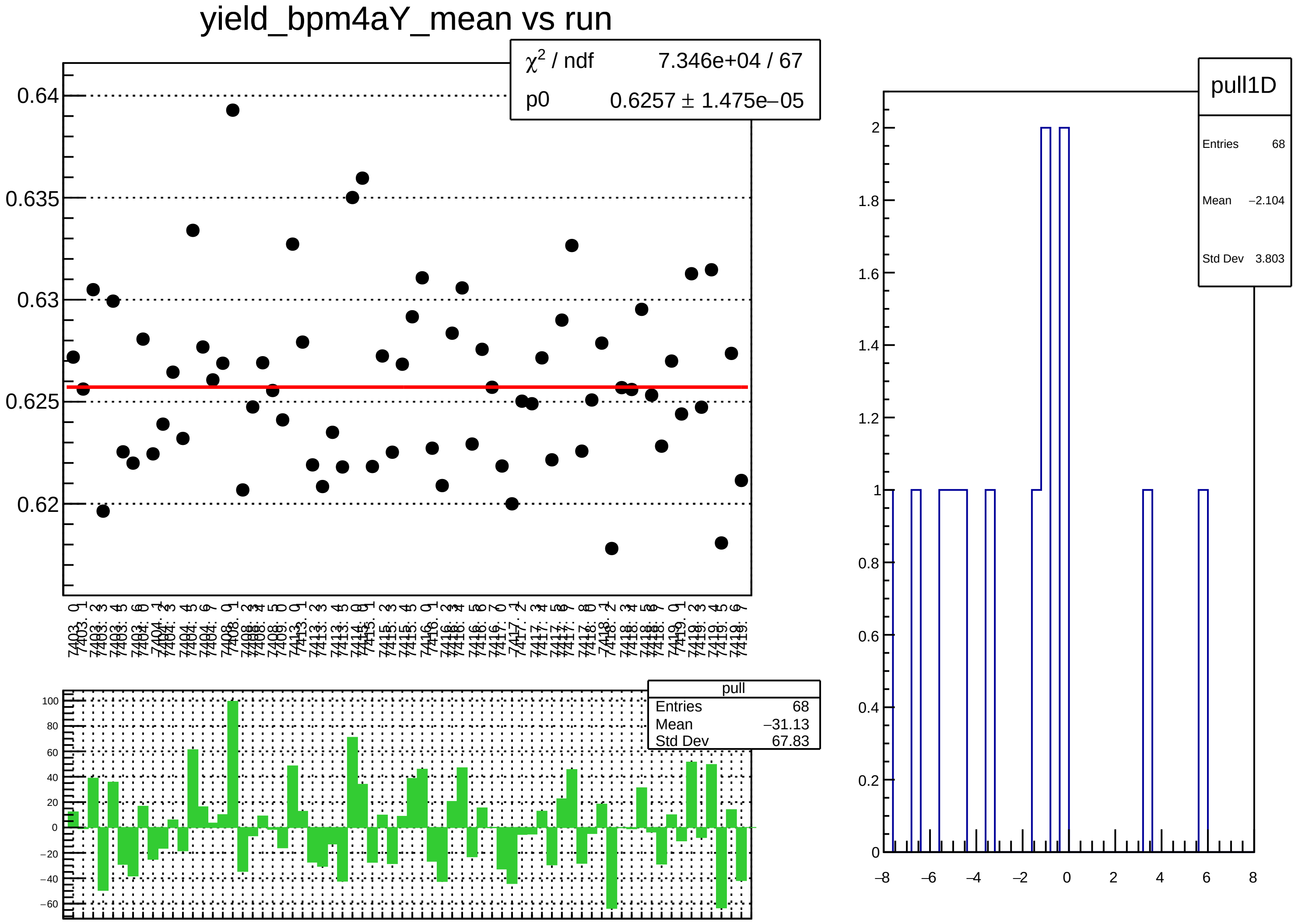


yield_cav4dY_rms vs run
χ^2 / ndf 6.861e+04 / 67
p0 0.0006007 ± 5.387e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

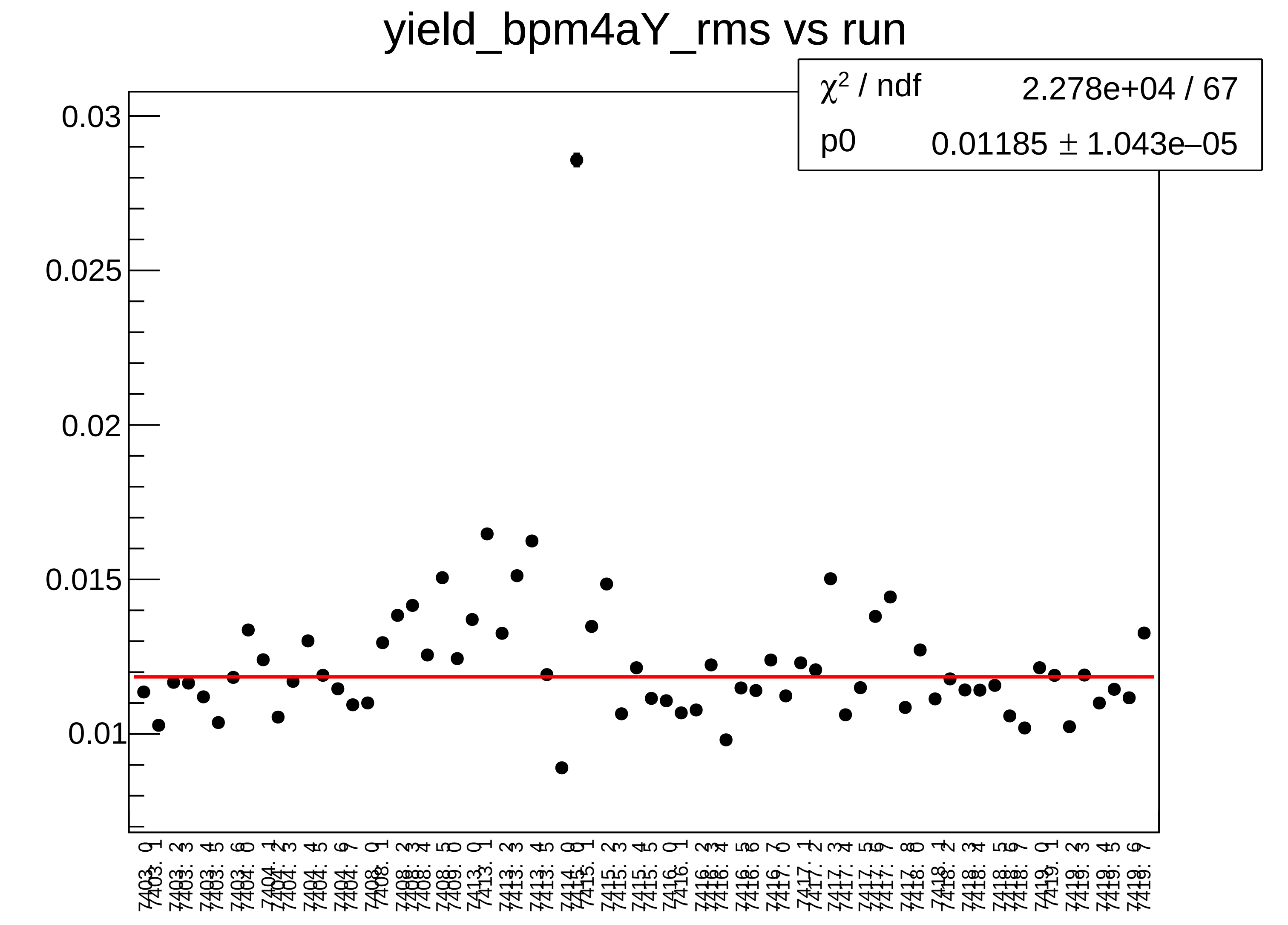


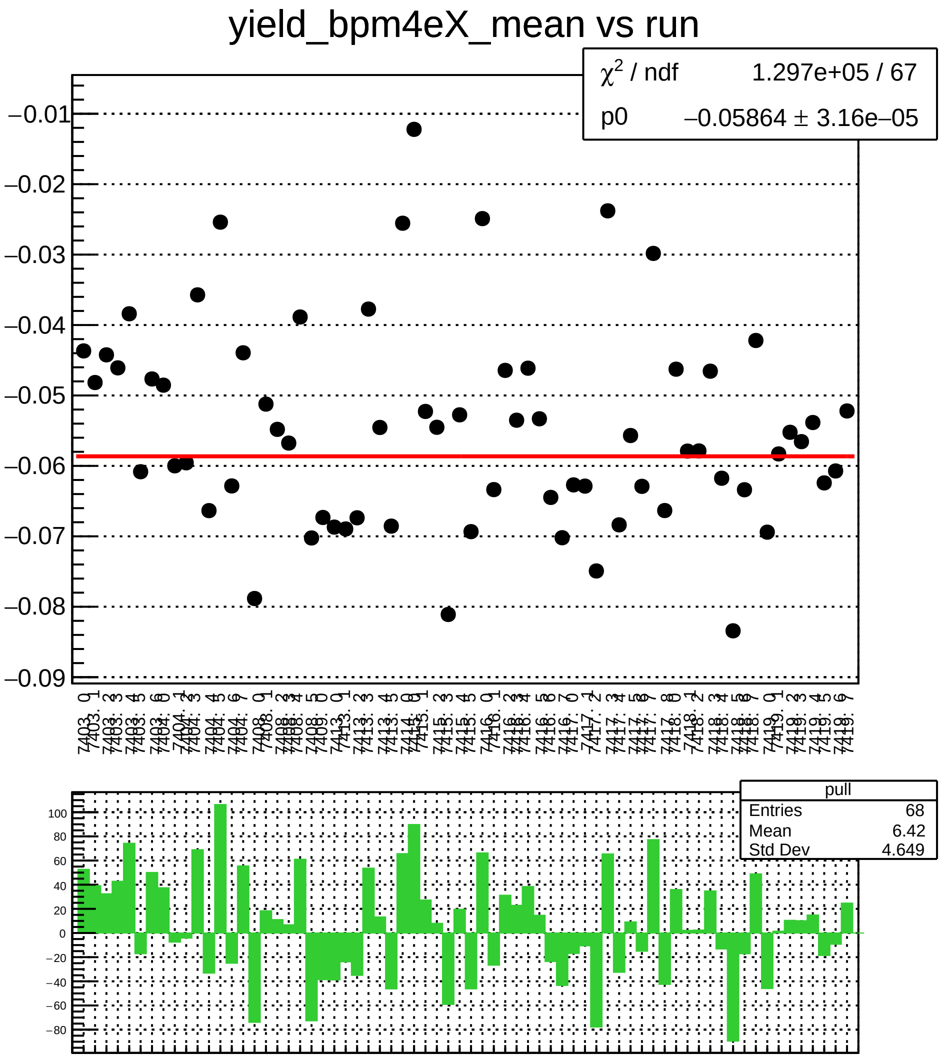
yield_bpm4aX_mean vs run
χ2 / ndf 1.754e+05 / 67
p0 −0.4432 ± 2.69e−05
pull
Entries 68
Mean 19.37
Std Dev 18.05
pull1D
Entries 68
Mean −0.1856
Std Dev 4.641


yield_bpm4aX_rms vs run
χ^2 / ndf 1.709e+05 / 67
p0 0.02032 ± 1.902e−05
0.05
0.04
0.03
0.02
0.01

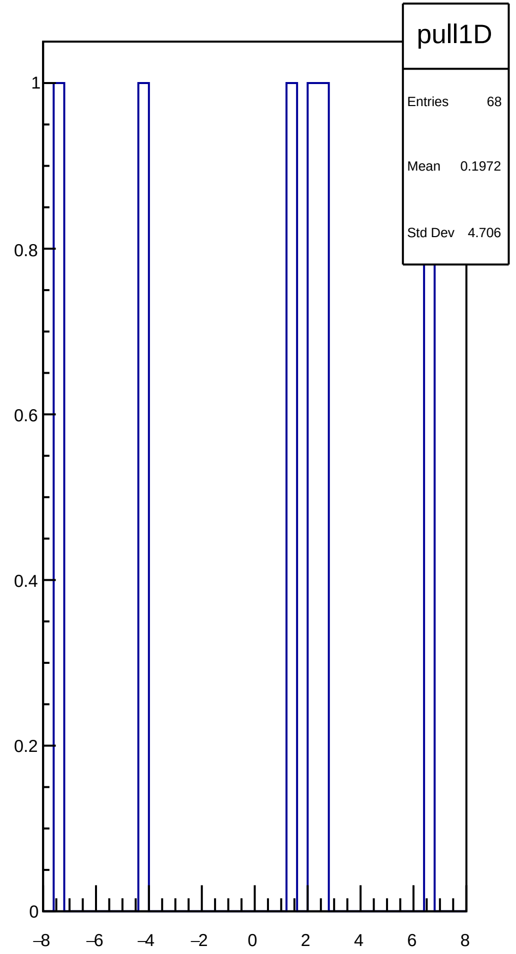


yield_bpm4aY_mean vs run
χ^2 / ndf 7.346e+04 / 67
p0 0.6257 ± 1.475e−05
pull
Entries 68
Mean −31.13
Std Dev 67.83
pull1D
Entries 68
Mean −2.104
Std Dev 3.803

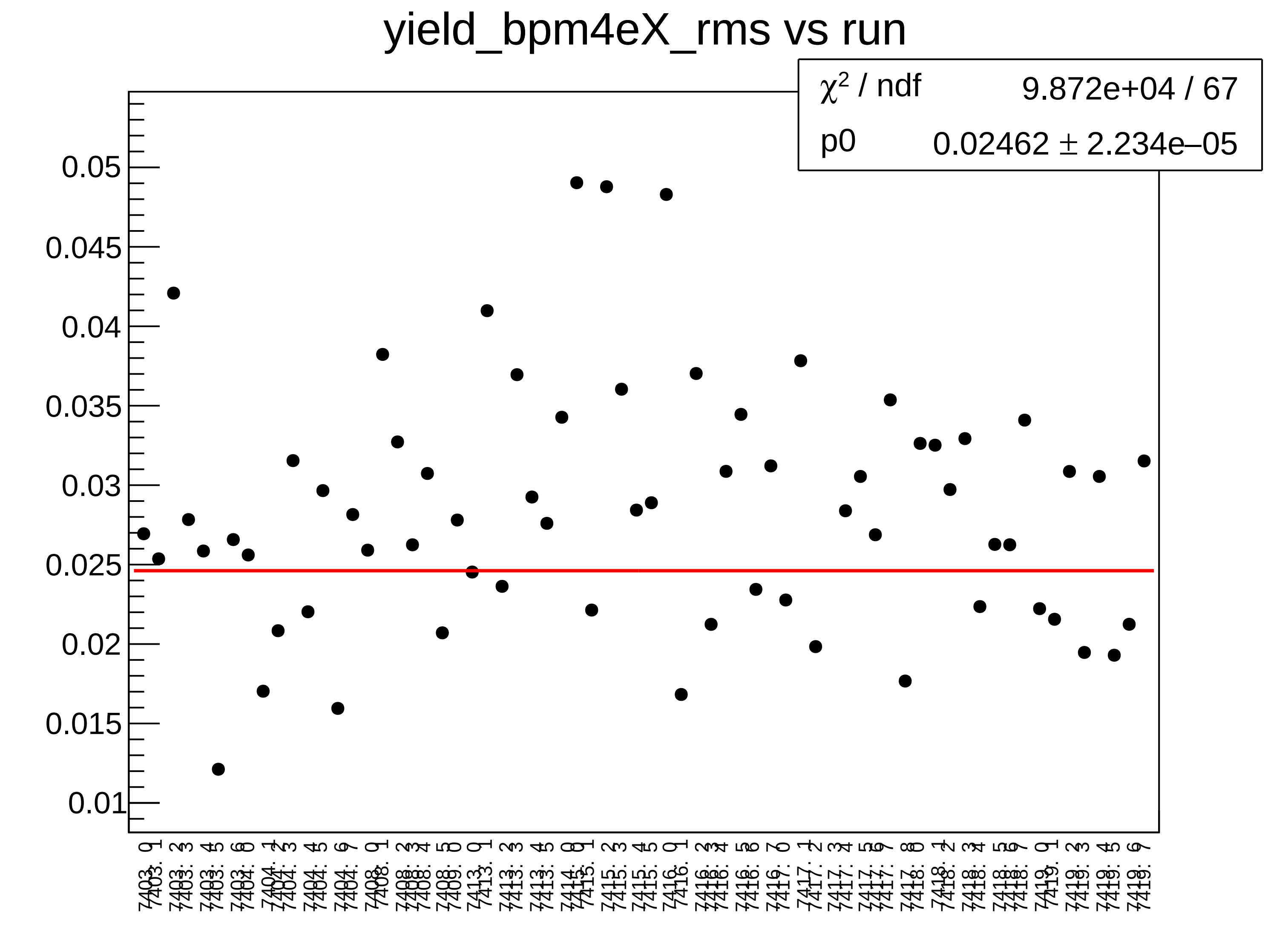

yield_bpm4aY_rms vs run
χ^2 / ndf 2.278e+04 / 67
p0 0.01185 ± 1.043e−05
0.03
0.025
0.02
0.015
0.01



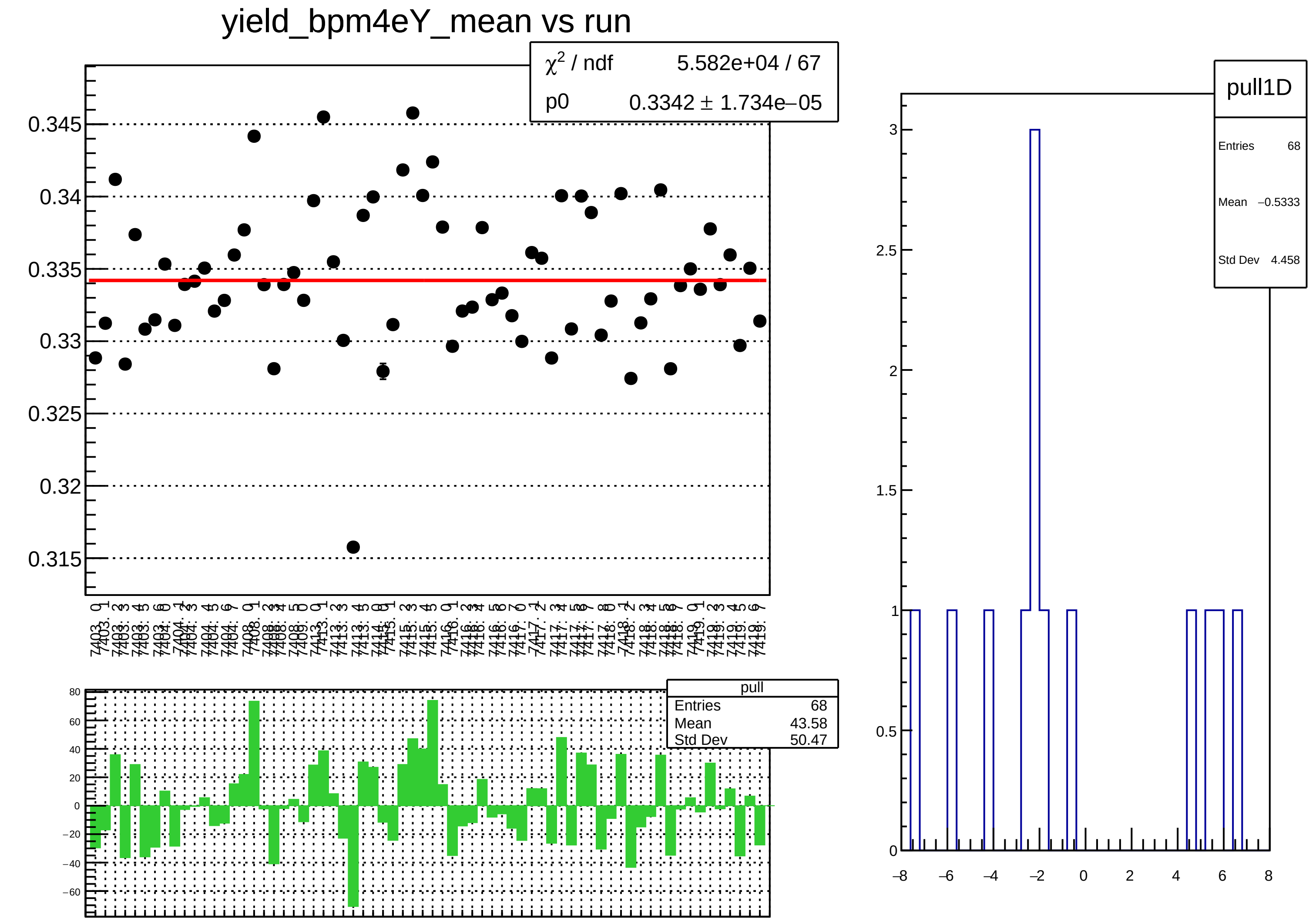
yield_bpm4eX_mean vs run
χ^2 / ndf 1.297e+05 / 67
p0 −0.05864 ± 3.16e−05
pull
Entries 68
Mean 6.42
Std Dev 4.649



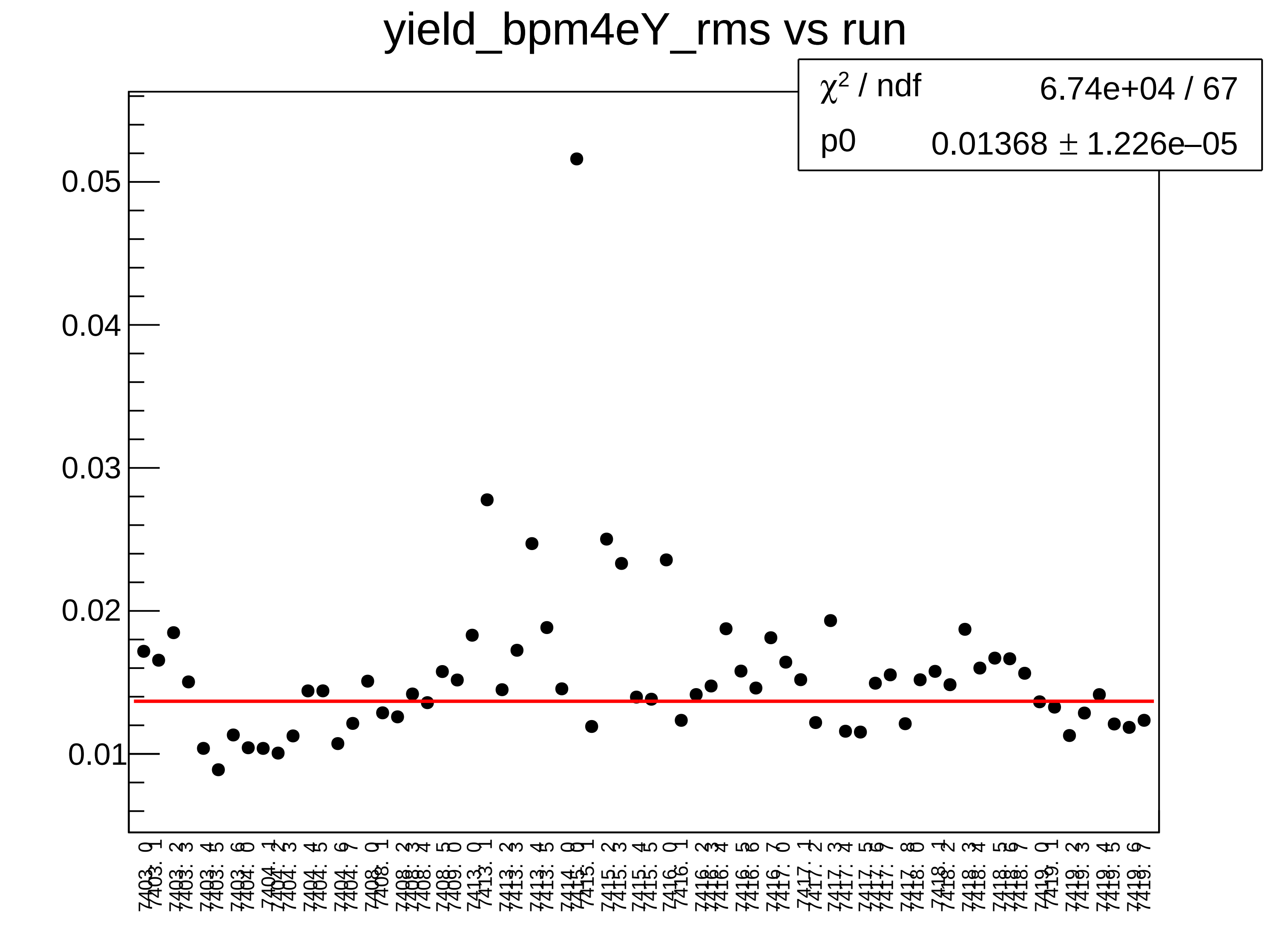
pull1D
Entries 68
Mean 0.1972
Std Dev 4.706



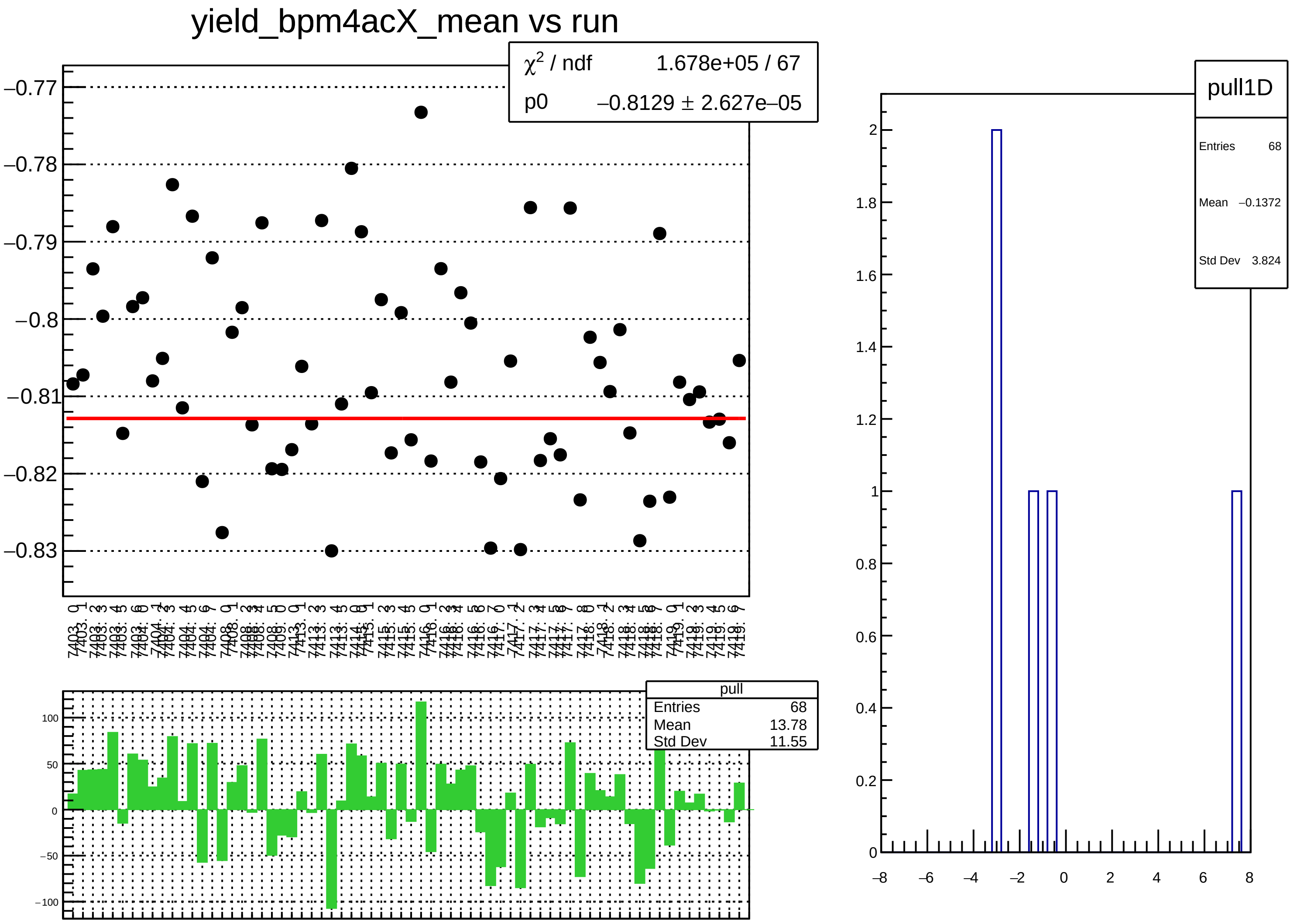
yield_bpm4eX_rms vs run
χ² / ndf 9.872e+04 / 67
p0 0.02462 ± 2.234e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01



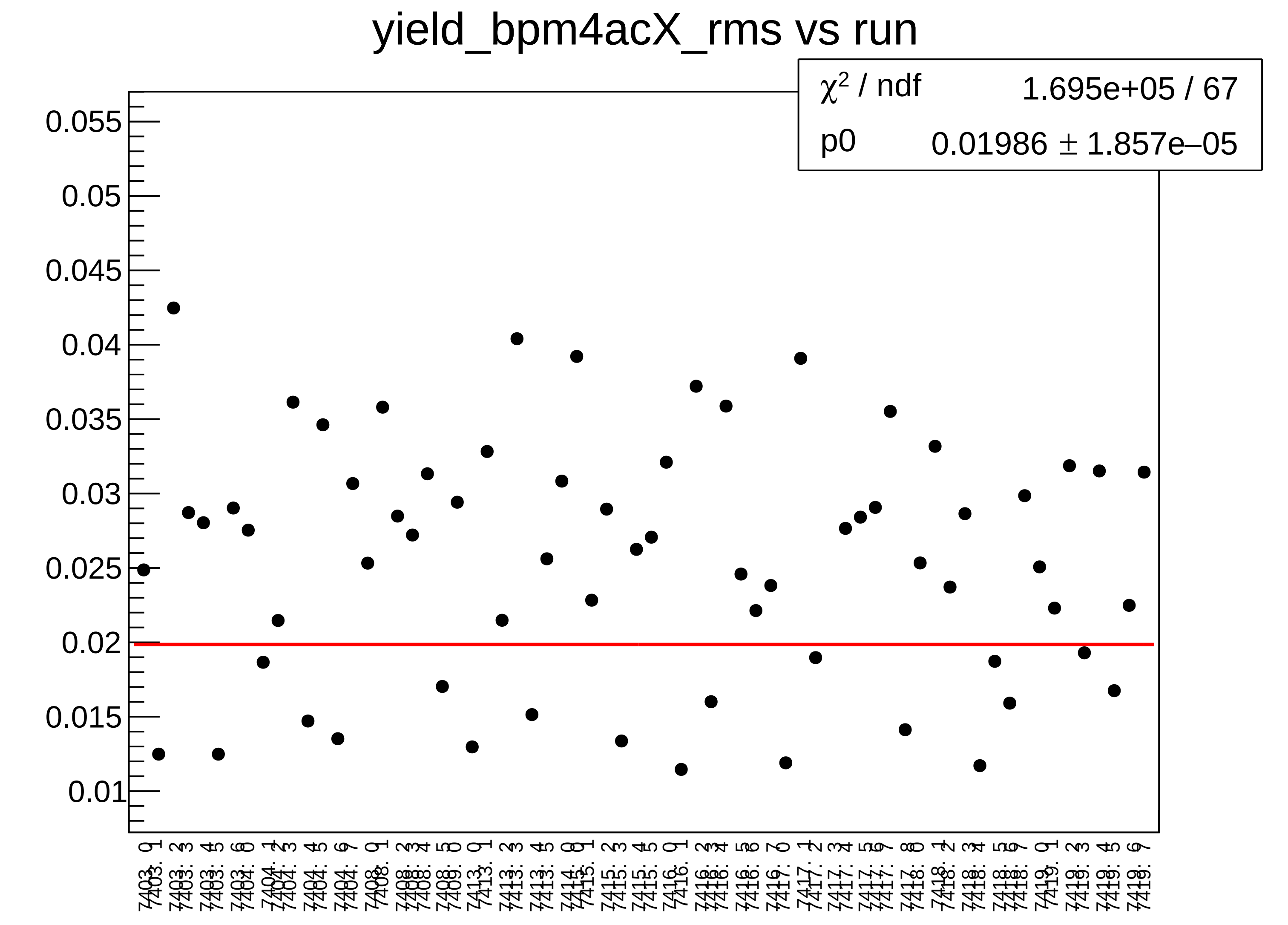
yield_bpm4eY_mean vs run
χ^2 / ndf 5.582e+04 / 67
p0 0.3342 ± 1.734e−05
pull
Entries 68
Mean 43.58
Std Dev 50.47
pull1D
Entries 68
Mean −0.5333
Std Dev 4.458



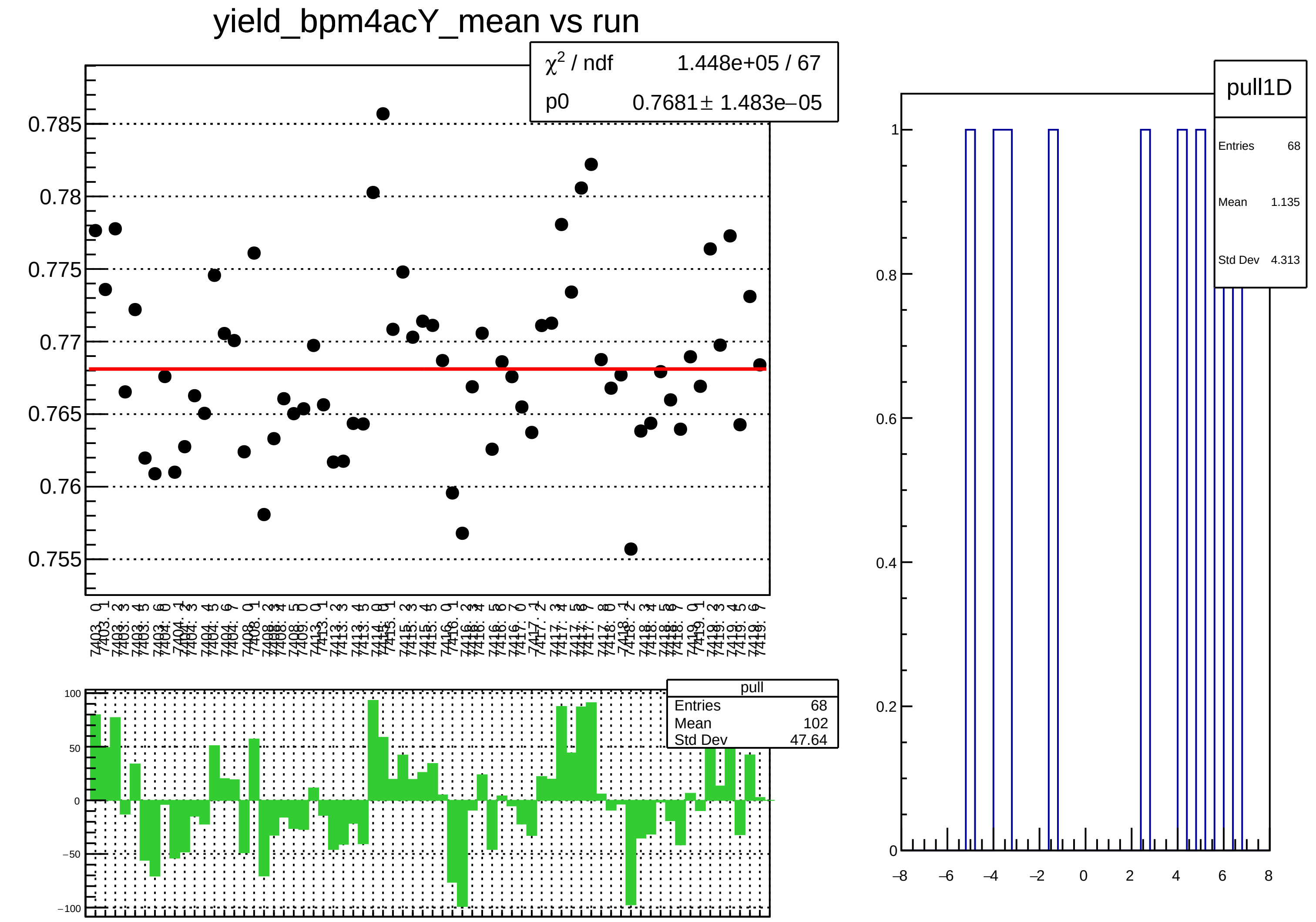
yield_bpm4eY_rms vs run
χ2 / ndf 6.74e+04 / 67
p0 0.01368 ± 1.226e−05
0.05
0.04
0.03
0.02
0.01



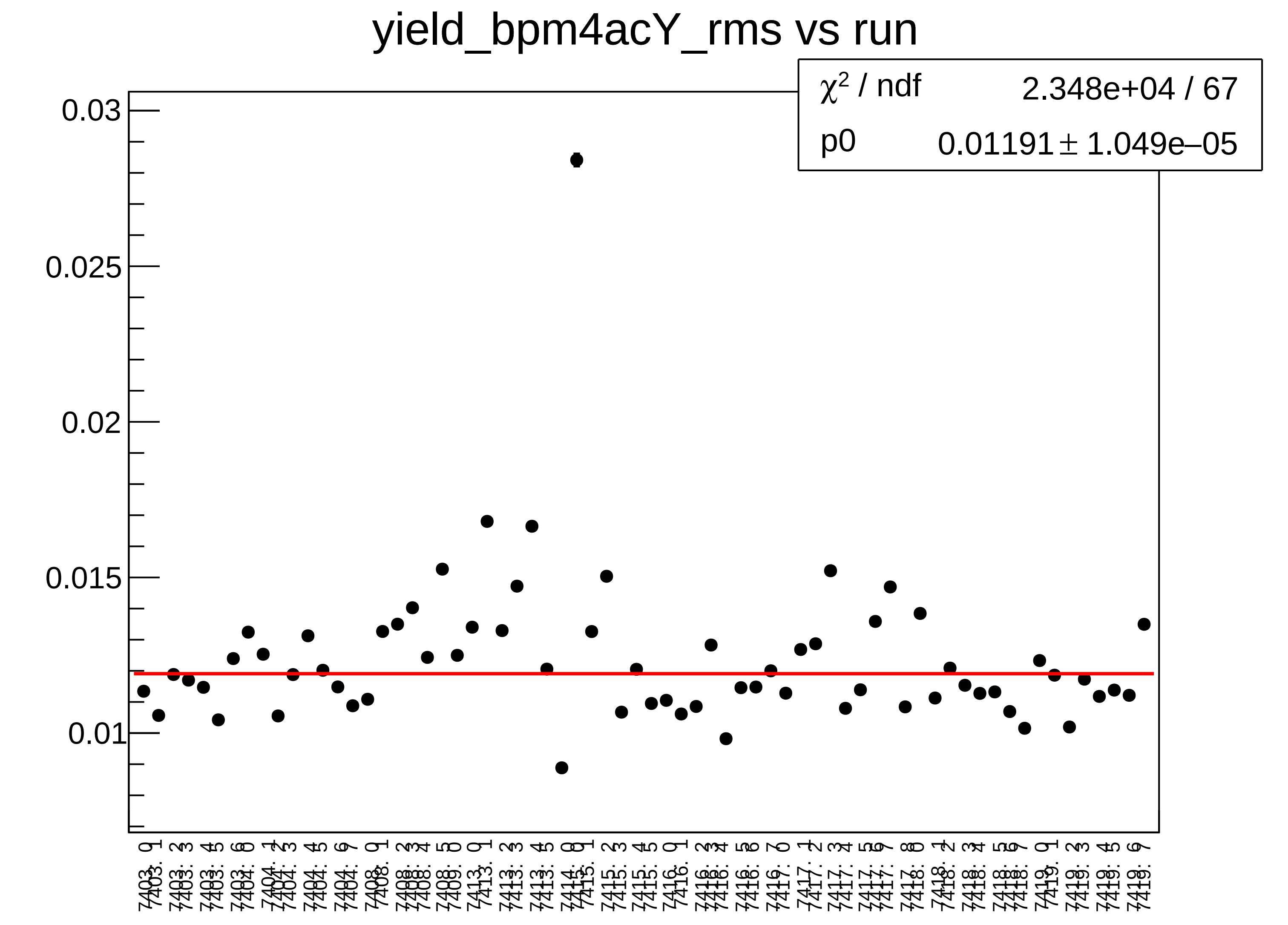
yield_bpm4acX_mean vs run
χ^2 / ndf 1.678e+05 / 67
p0 −0.8129 ± 2.627e−05
pull
Entries 68
Mean 13.78
Std Dev 11.55
pull1D
Entries 68
Mean −0.1372
Std Dev 3.824



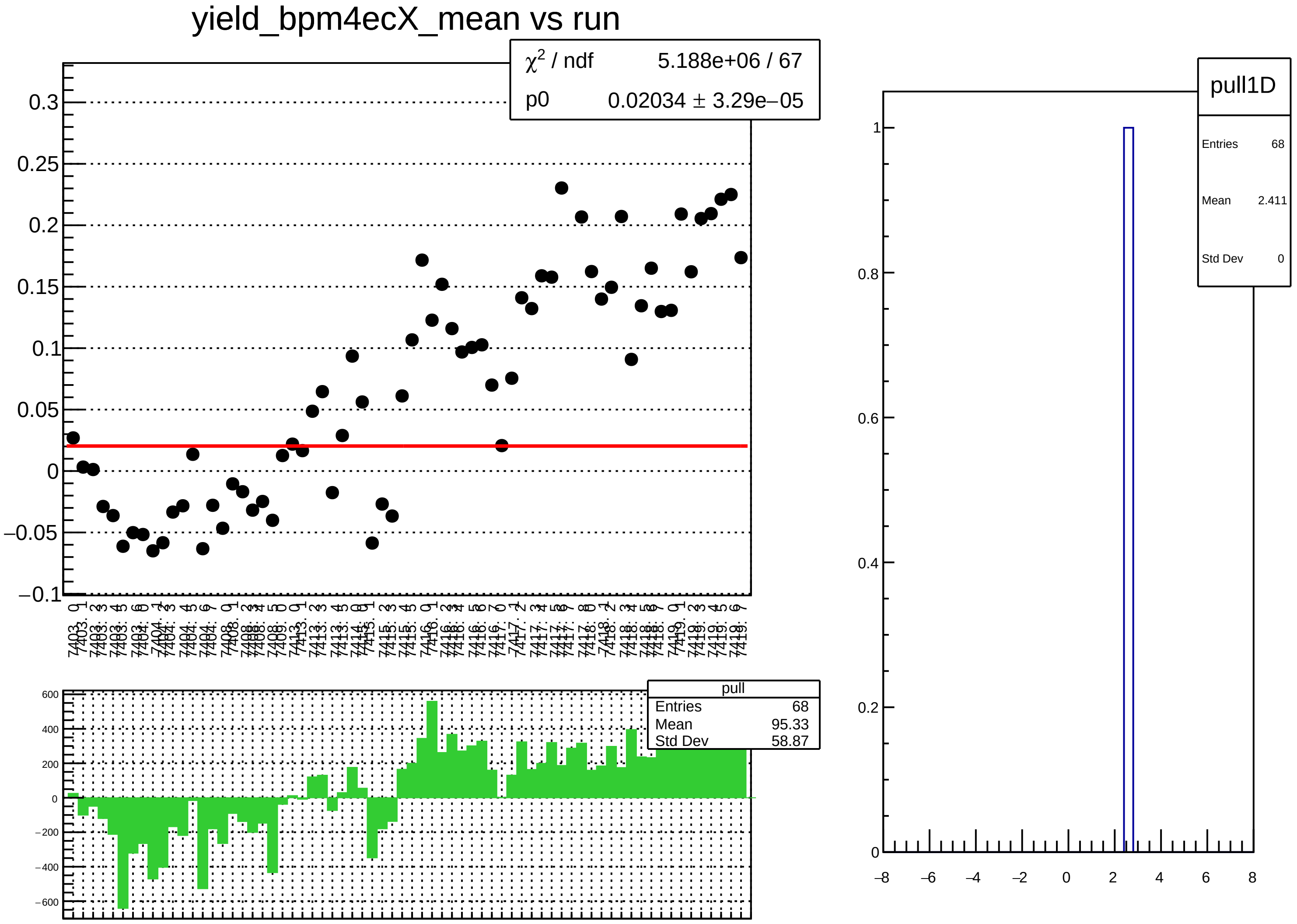
yield_bpm4acX_rms vs run
χ^2 / ndf 1.695e+05 / 67
p0 0.01986 ± 1.857e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01



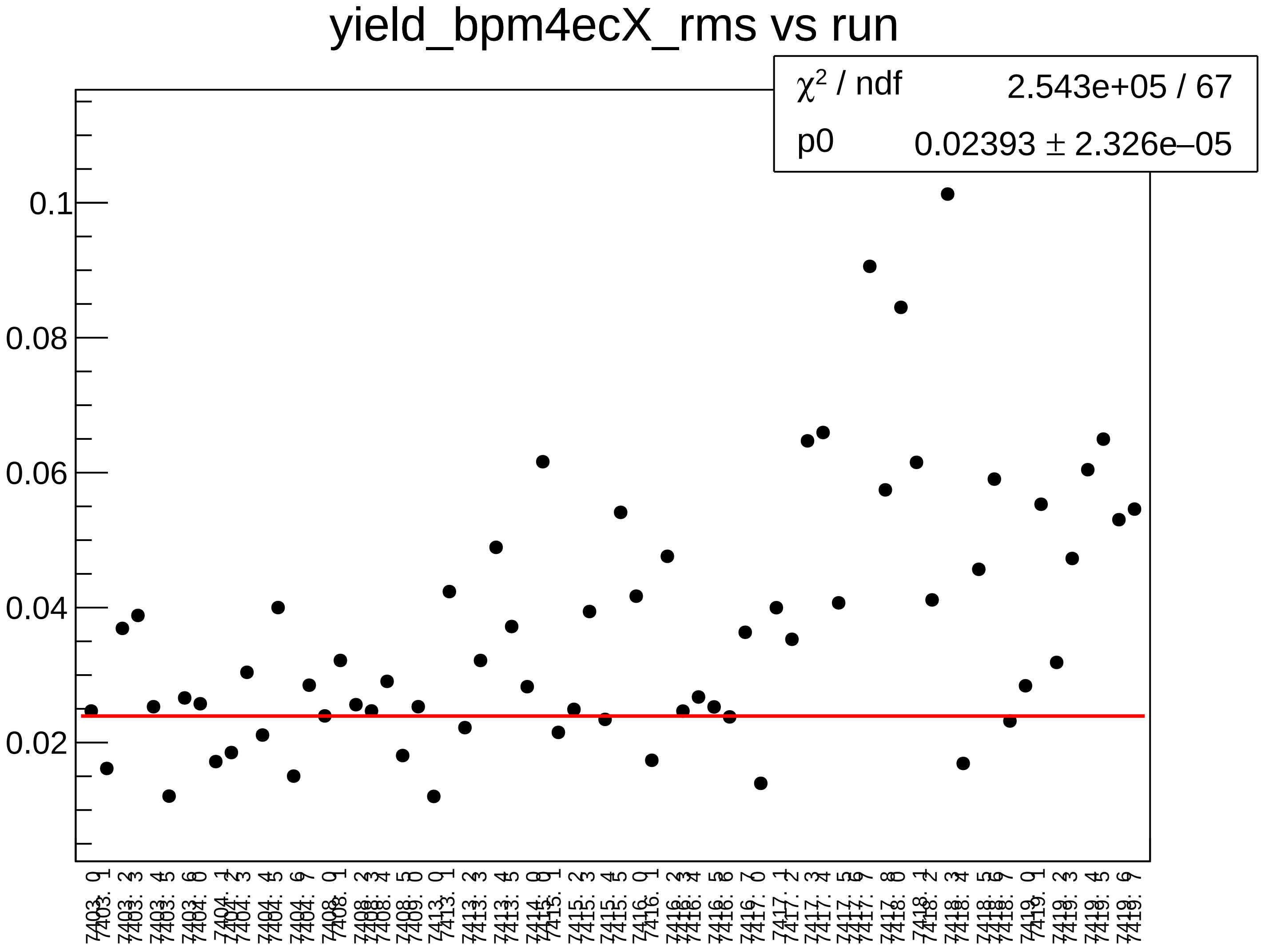
yield_bpm4acY_mean vs run
χ^2 / ndf 1.448e+05 / 67
p0 0.7681 ± 1.483e−05
pull
Entries 68
Mean 102
Std Dev 47.64
pull1D
Entries 68
Mean 1.135
Std Dev 4.313



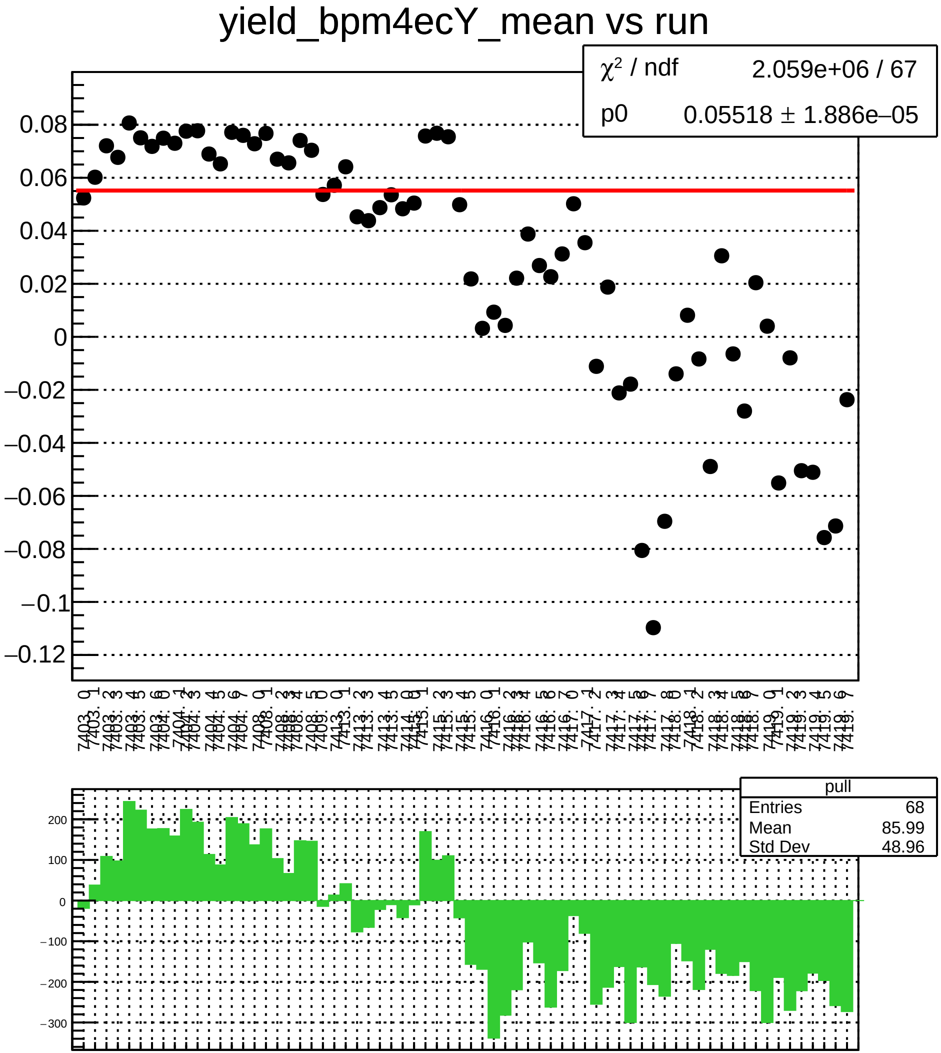
yield_bpm4acY_rms vs run
χ^2 / ndf 2.348e+04 / 67
p0 0.01191 ± 1.049e–05
0.03
0.025
0.02
0.015
0.01

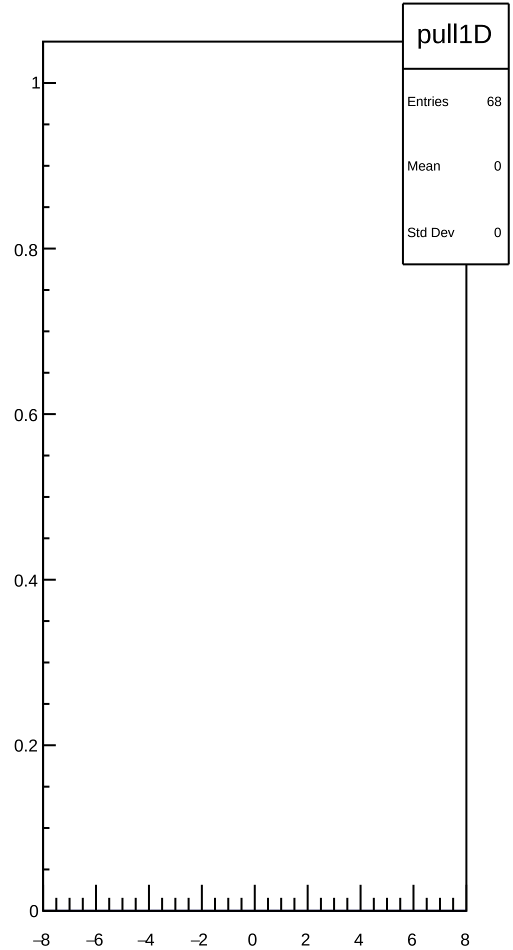


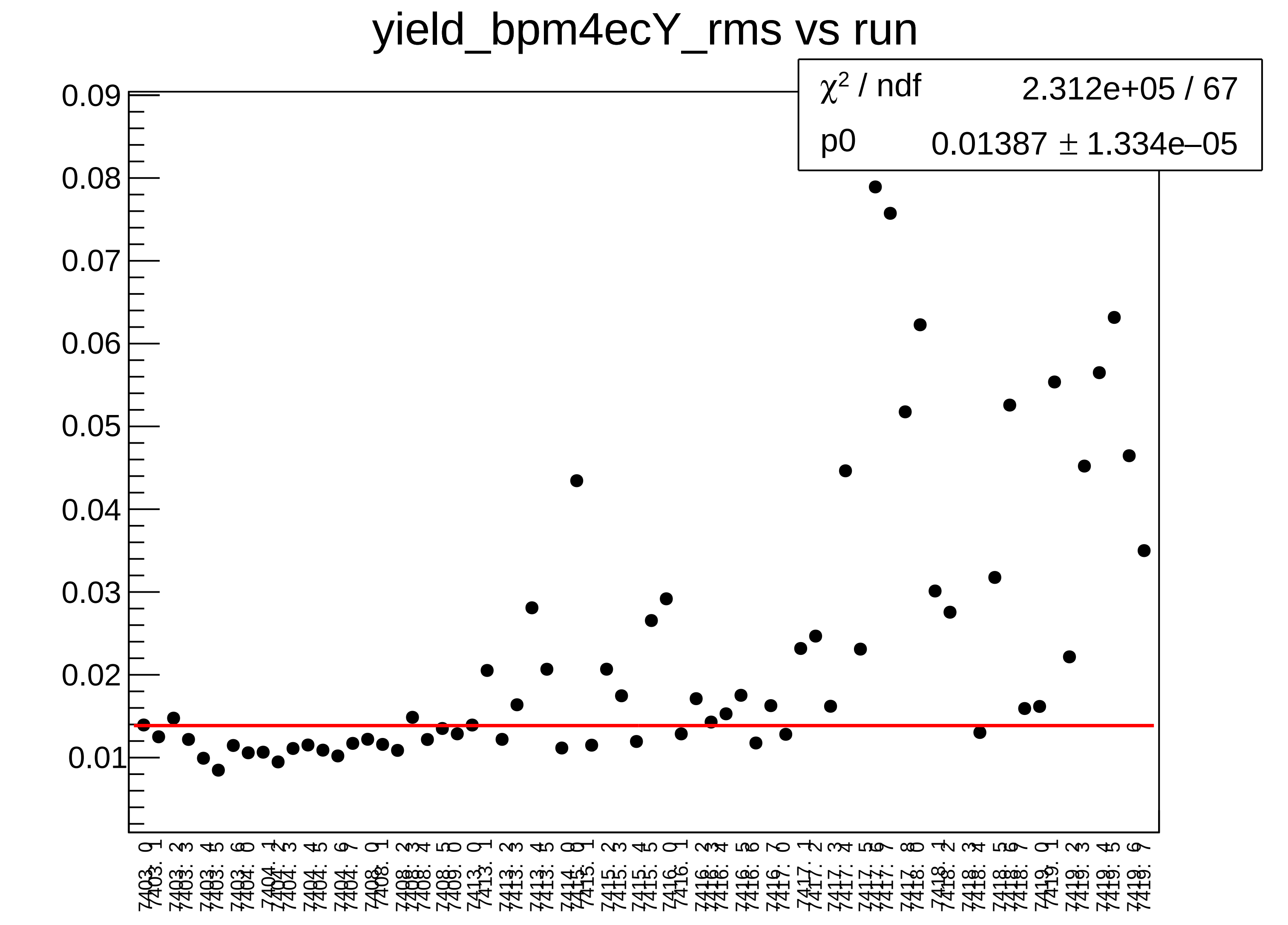
yield_bpm4ecX_mean vs run
χ^2 / ndf 5.188e+06 / 67
p0 0.02034 ± 3.29e−05
pull
Entries 68
Mean 95.33
Std Dev 58.87
pull1D
Entries 68
Mean 2.411
Std Dev 0



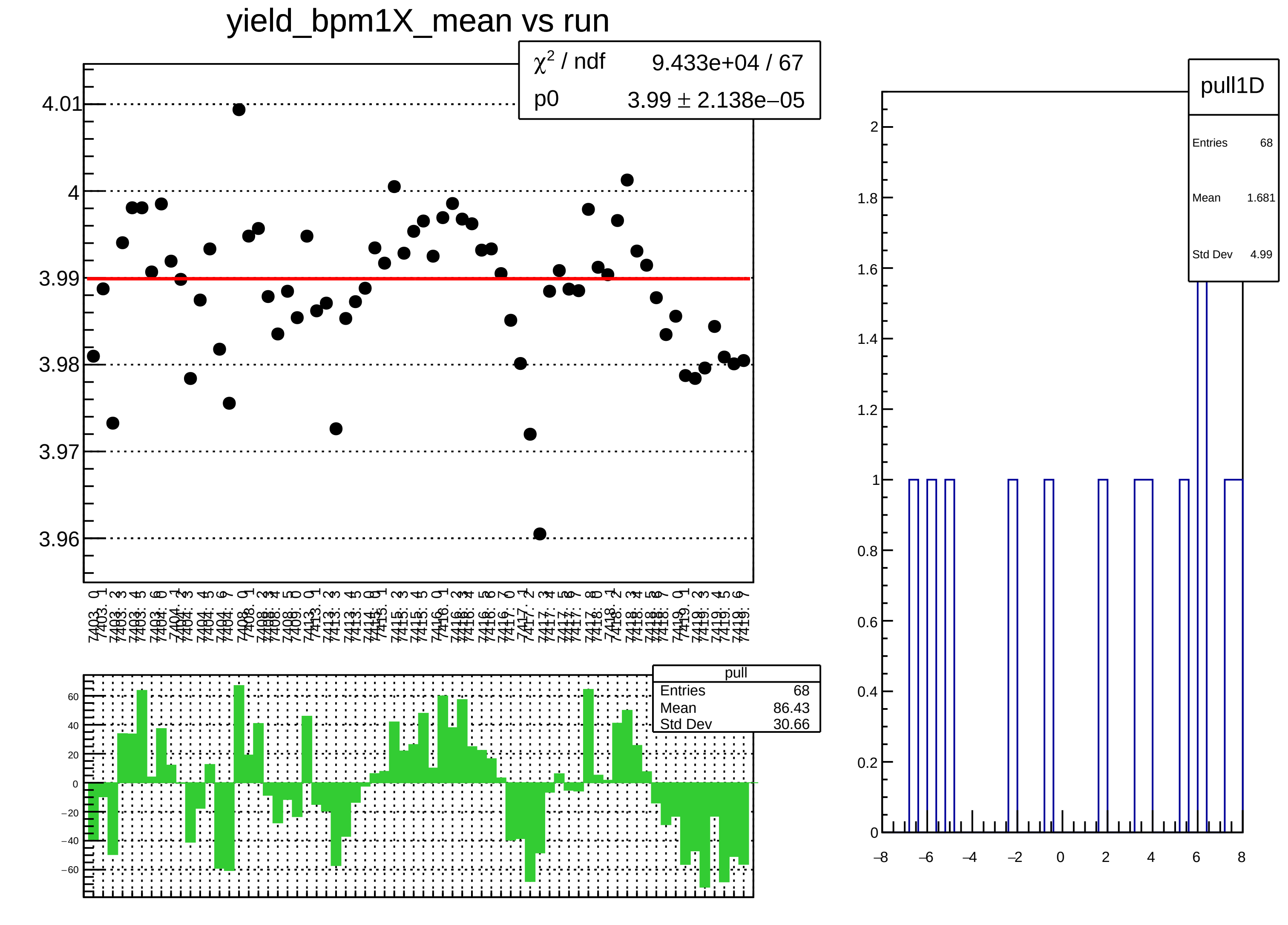
yield_bpm4ecX_rms vs run
χ^2 / ndf 2.543e+05 / 67
p0 0.02393 ± 2.326e−05
0.1
0.08
0.06
0.04
0.02

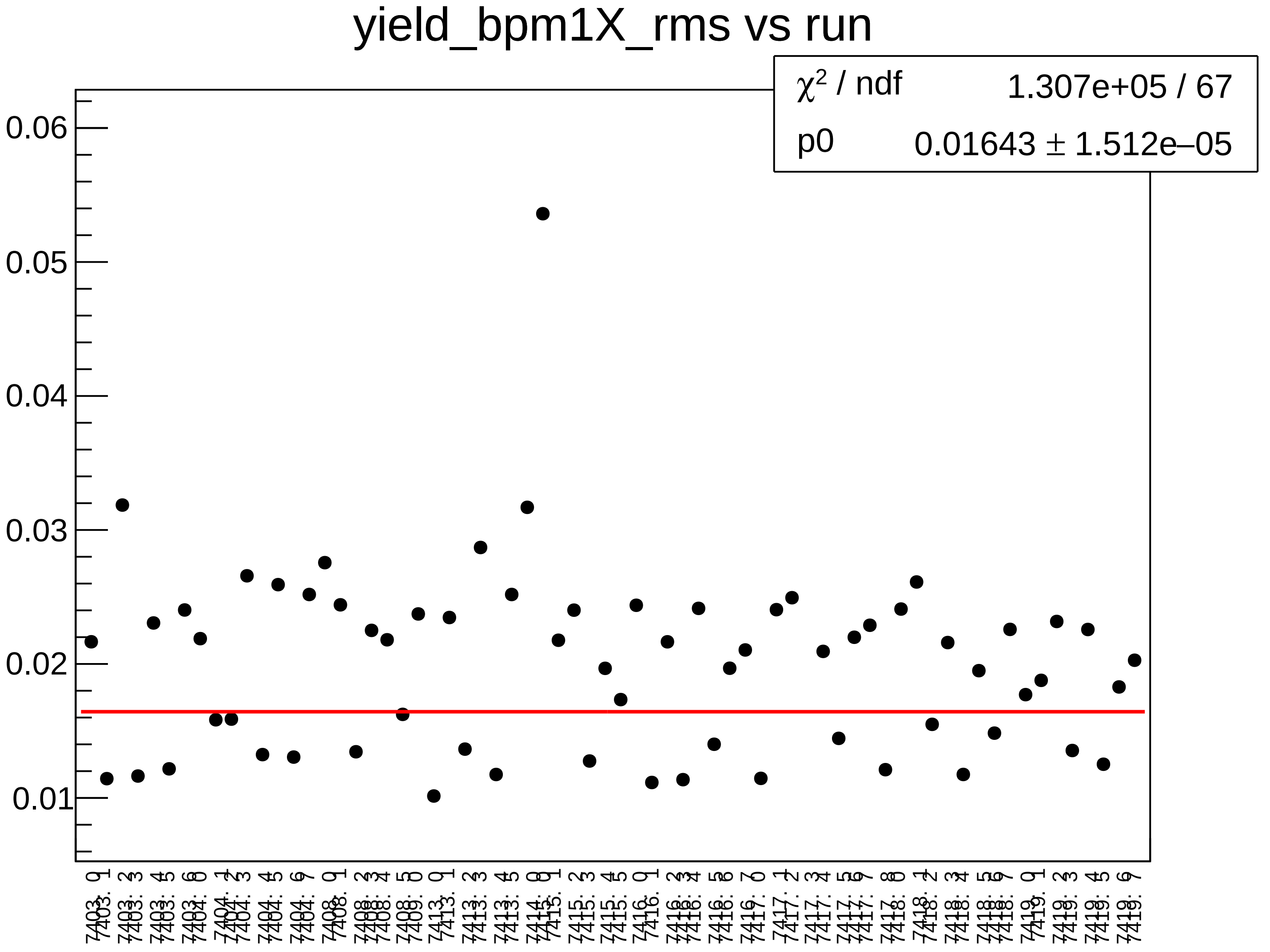

yield_bpm4ecY_mean vs run
χ2 / ndf 2.059e+06 / 67
p0 0.05518 ± 1.886e−05
pull
Entries 68
Mean 85.99
Std Dev 48.96

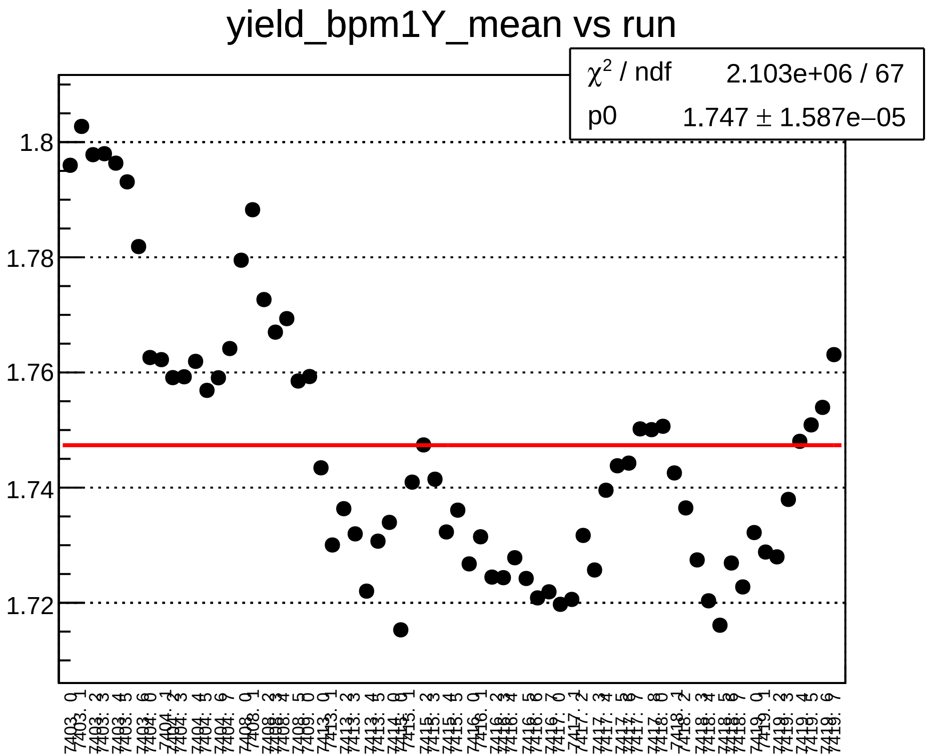

pull1D
Entries 68
Mean 0
Std Dev 0



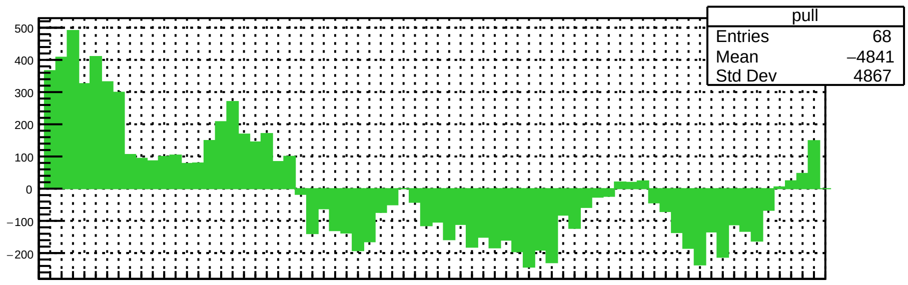
yield_bpm4ecY_rms vs run
χ2 / ndf 2.312e+05 / 67
p0 0.01387 ± 1.334e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01


yield_bpm1X_mean vs run
χ^2 / ndf 9.433e+04 / 67
p0 3.99 ± 2.138e−05
pull
Entries 68
Mean 86.43
Std Dev 30.66
pull1D
Entries 68
Mean 1.681
Std Dev 4.99

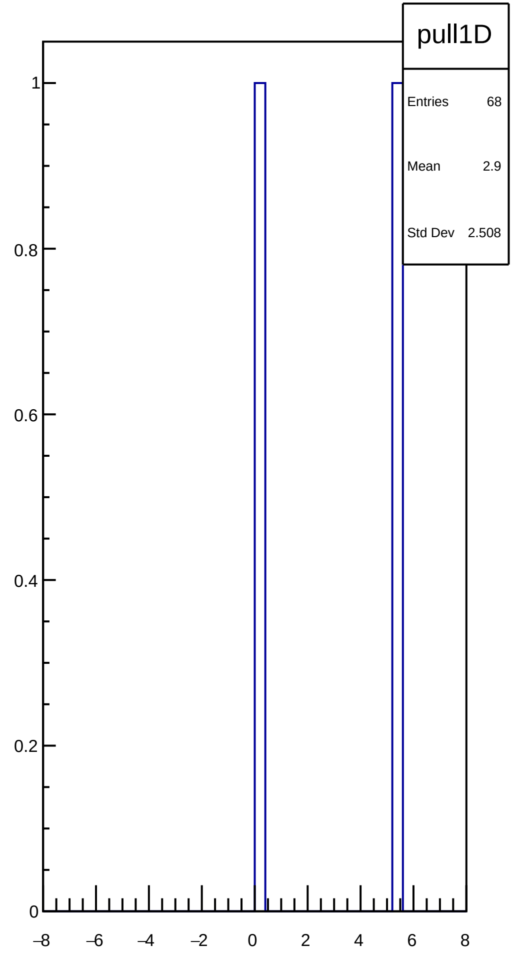

yield_bpm1X_rms vs run
χ2 / ndf 1.307e+05 / 67
p0 0.01643 ± 1.512e−05
0.06
0.05
0.04
0.03
0.02
0.01



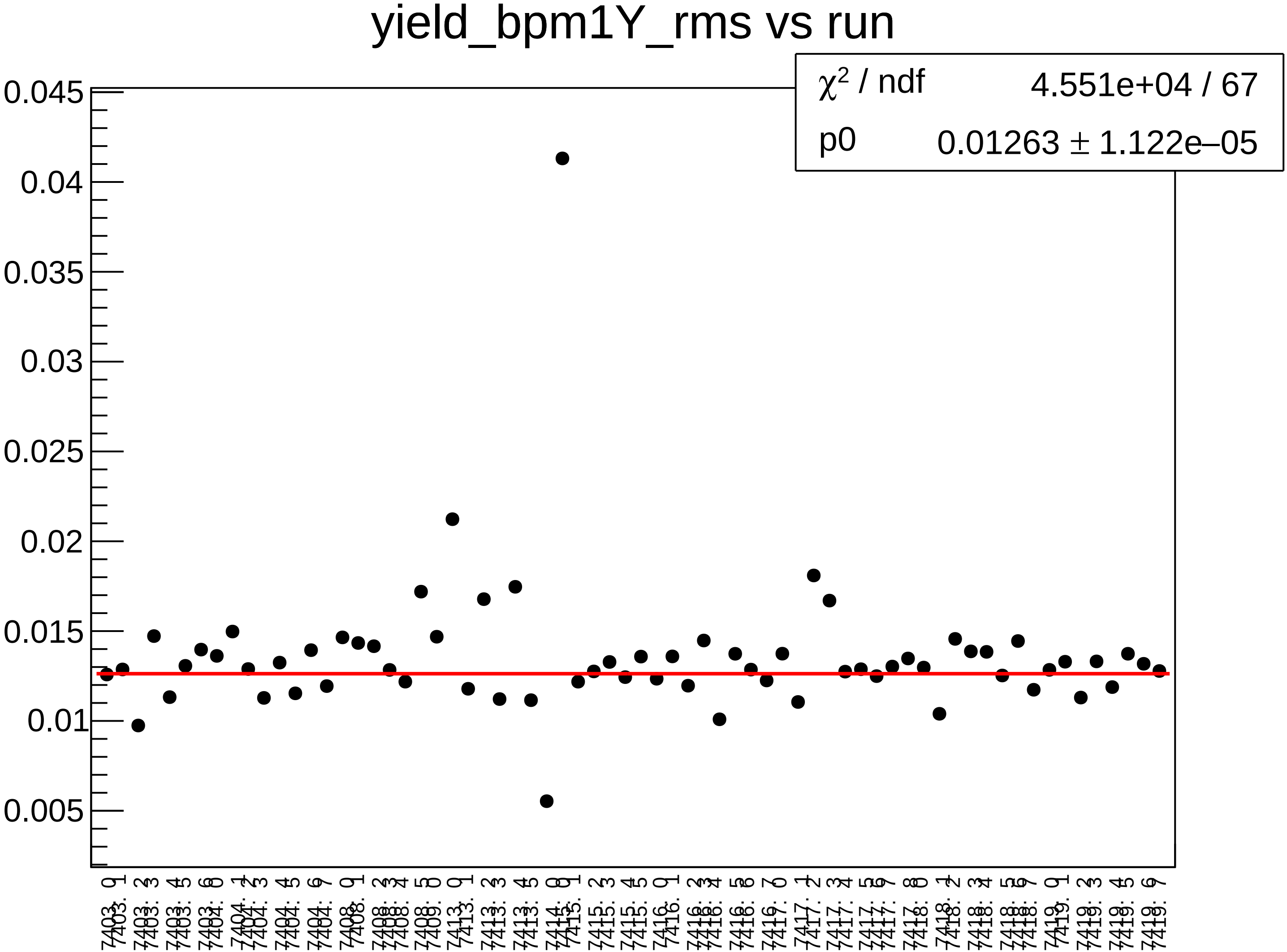
yield_bpm1Y_mean vs run
χ^2 / ndf 2.103e+06 / 67
p0 1.747 ± 1.587e−05
1.8
1.78
1.76
1.74
1.72

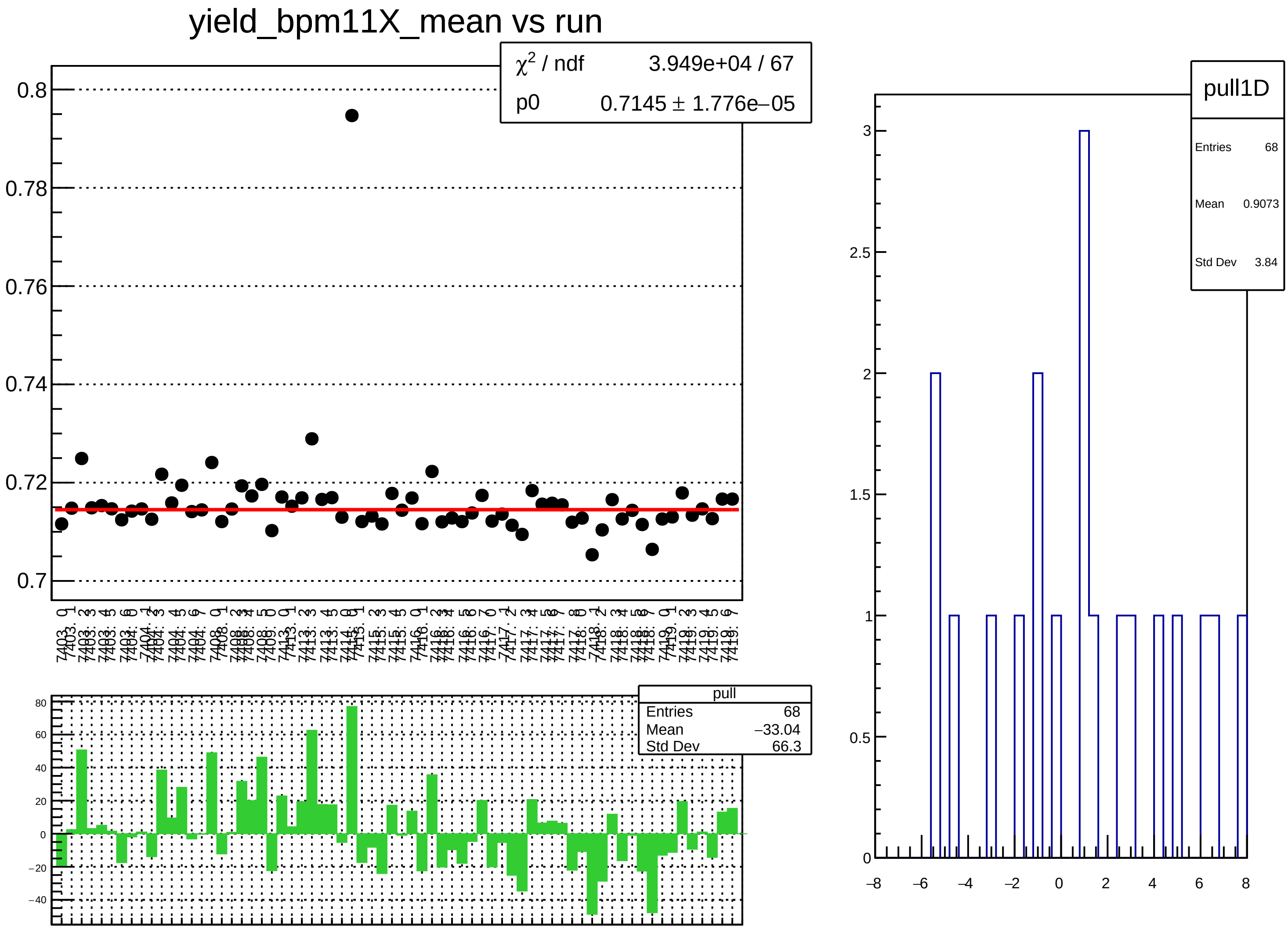


pull
Entries 68
Mean −4841
Std Dev 4867
500
400
300
200
100
0
−100
−200

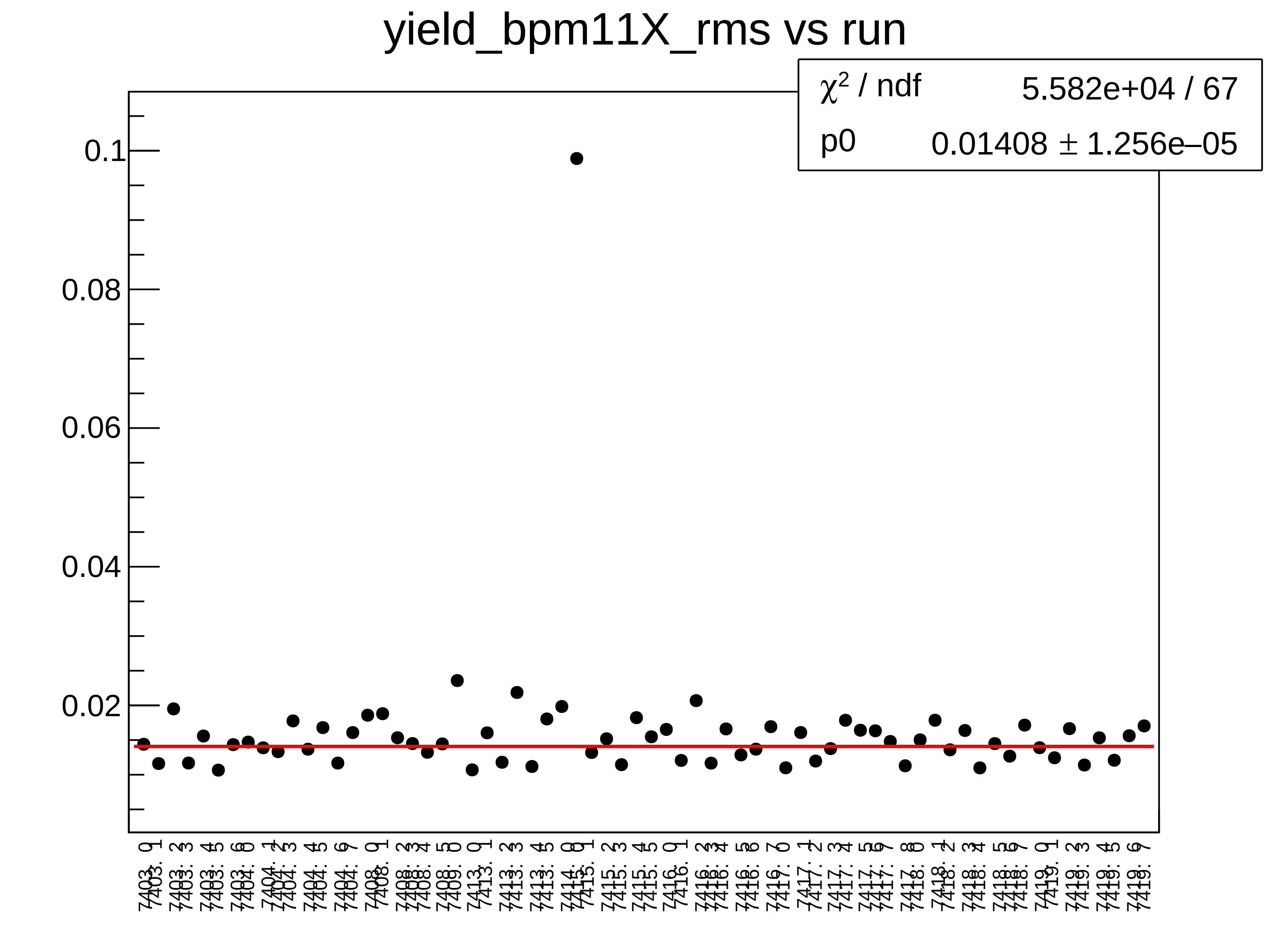


pull1D
Entries 68
Mean 2.9
Std Dev 2.508
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

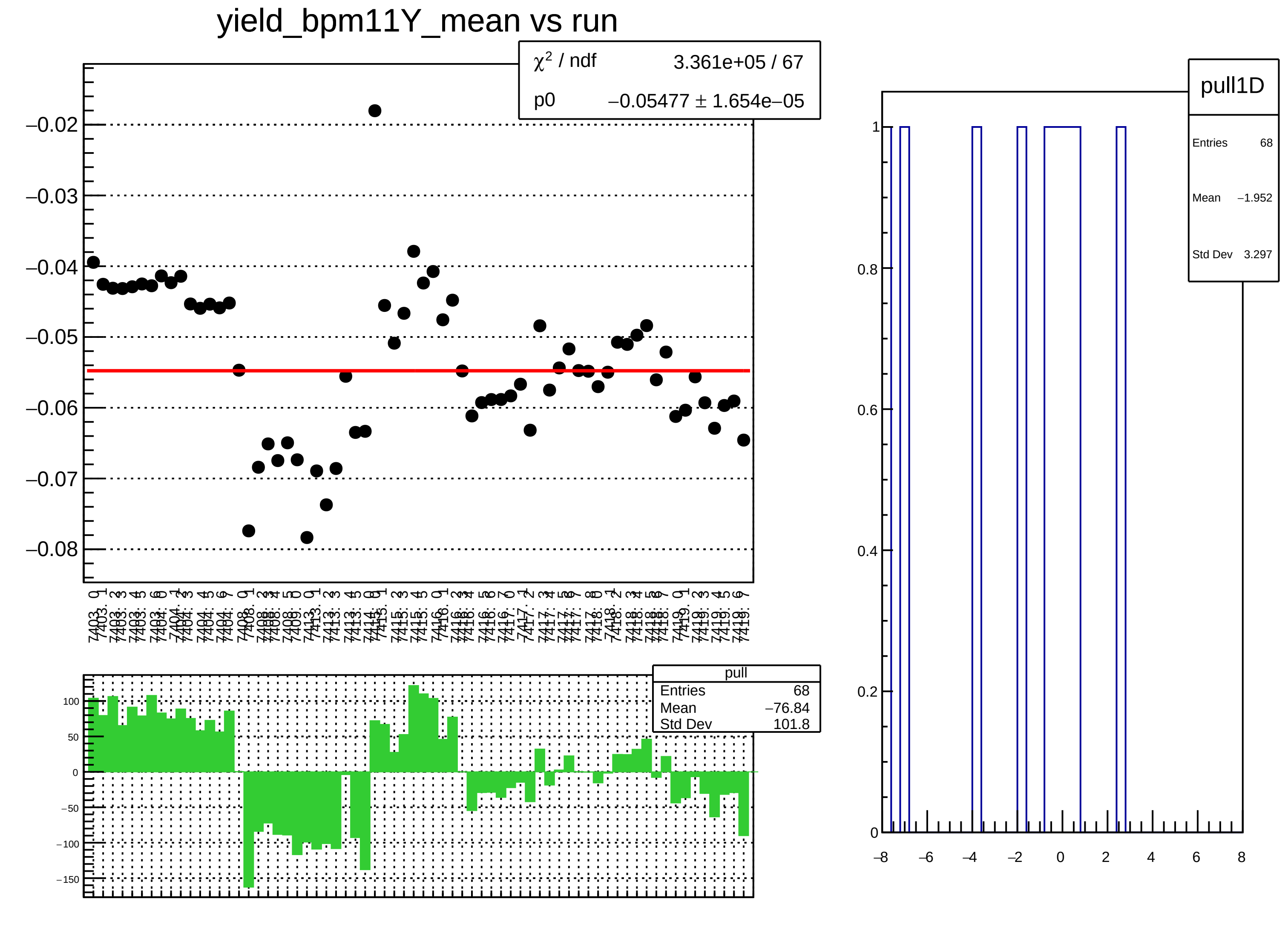

yield_bpm1Y_rms vs run
χ2 / ndf 4.551e+04 / 67
p0 0.01263 ± 1.122e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005



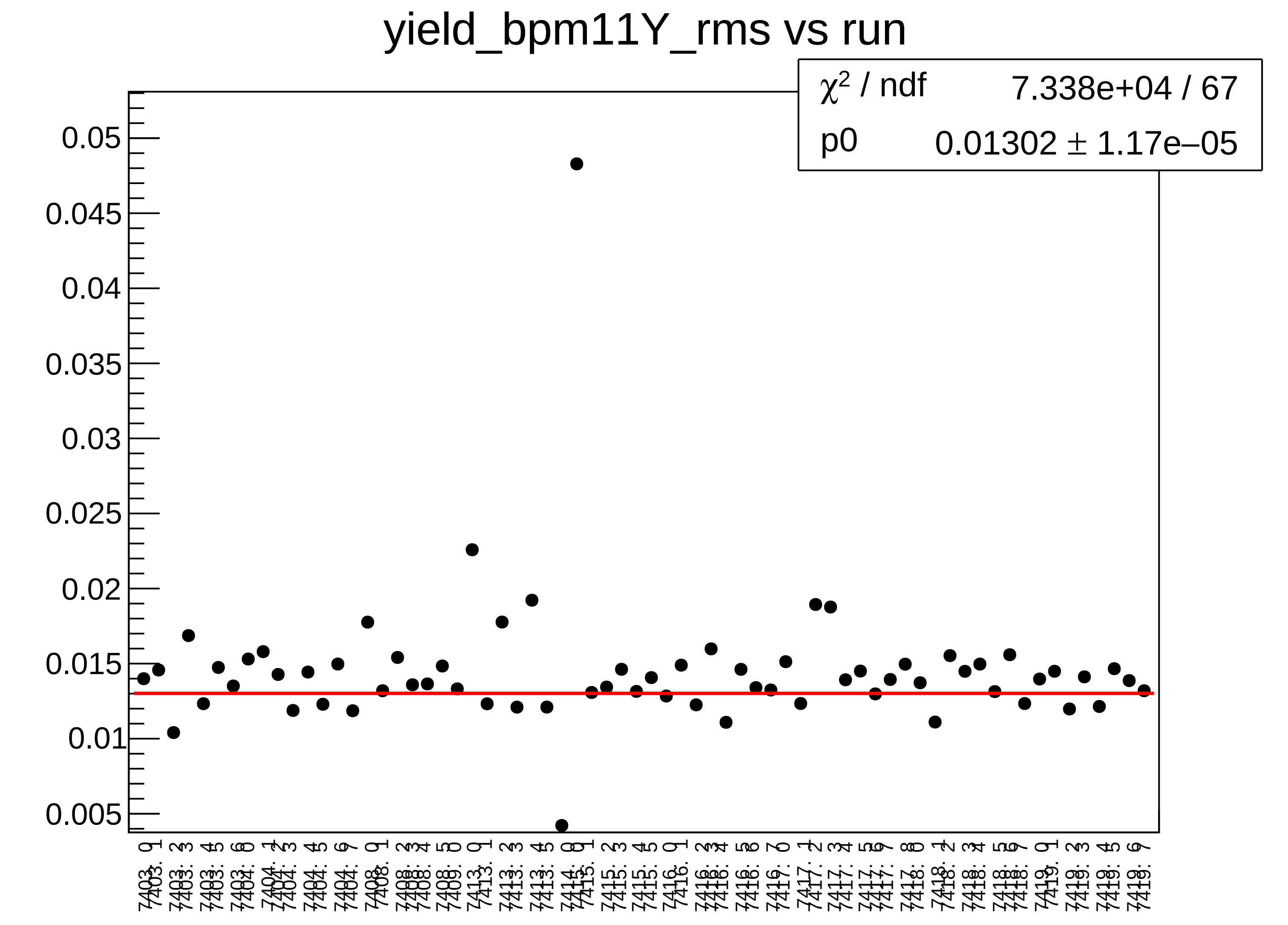
yield_bpm11X_mean vs run
χ^2 / ndf 3.949e+04 / 67
p0 0.7145 ± 1.776e−05
0.8
0.78
0.76
0.74
0.72
0.7
pull
Entries 68
Mean −33.04
Std Dev 66.3
80
60
40
20
0
−20
−40
pull1D
Entries 68
Mean 0.9073
Std Dev 3.84
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8



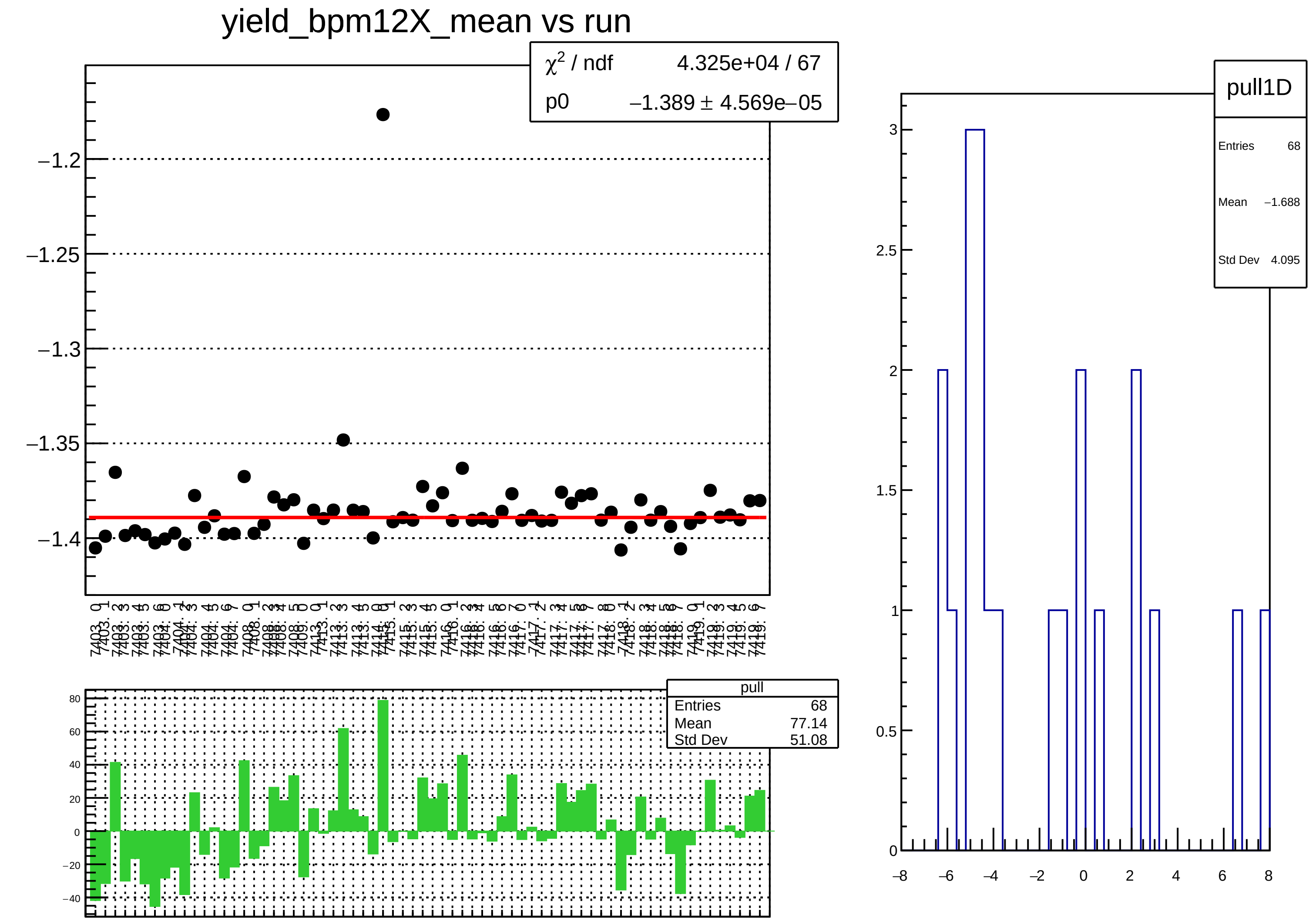
yield_bpm11X_rms vs run
χ2 / ndf 5.582e+04 / 67
p0 0.01408 ± 1.256e−05
0.1
0.08
0.06
0.04
0.02

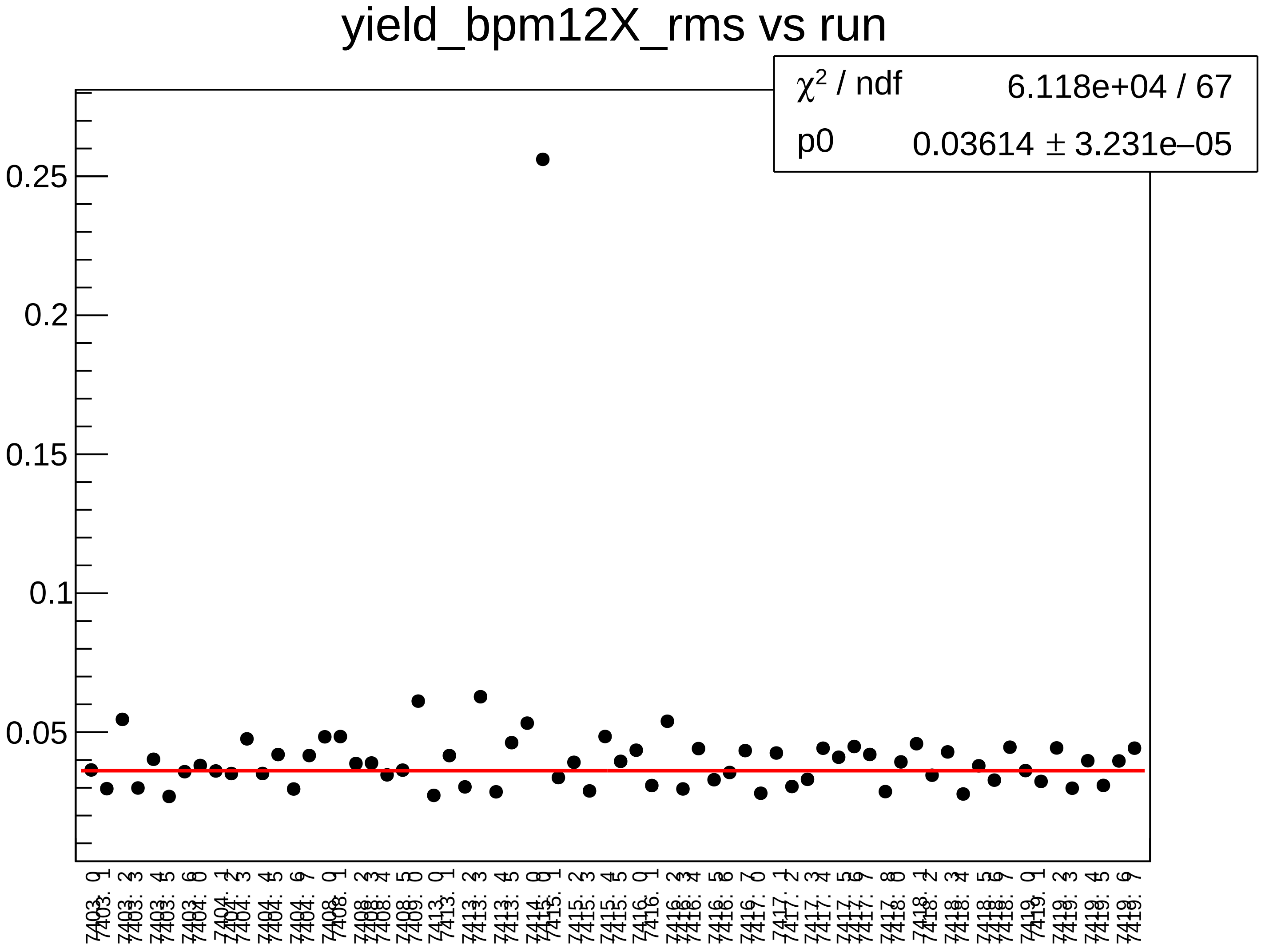


yield_bpm11Y_mean vs run
χ^2 / ndf 3.361e+05 / 67
p0 −0.05477 ± 1.654e−05
pull
Entries 68
Mean −76.84
Std Dev 101.8
pull1D
Entries 68
Mean −1.952
Std Dev 3.297

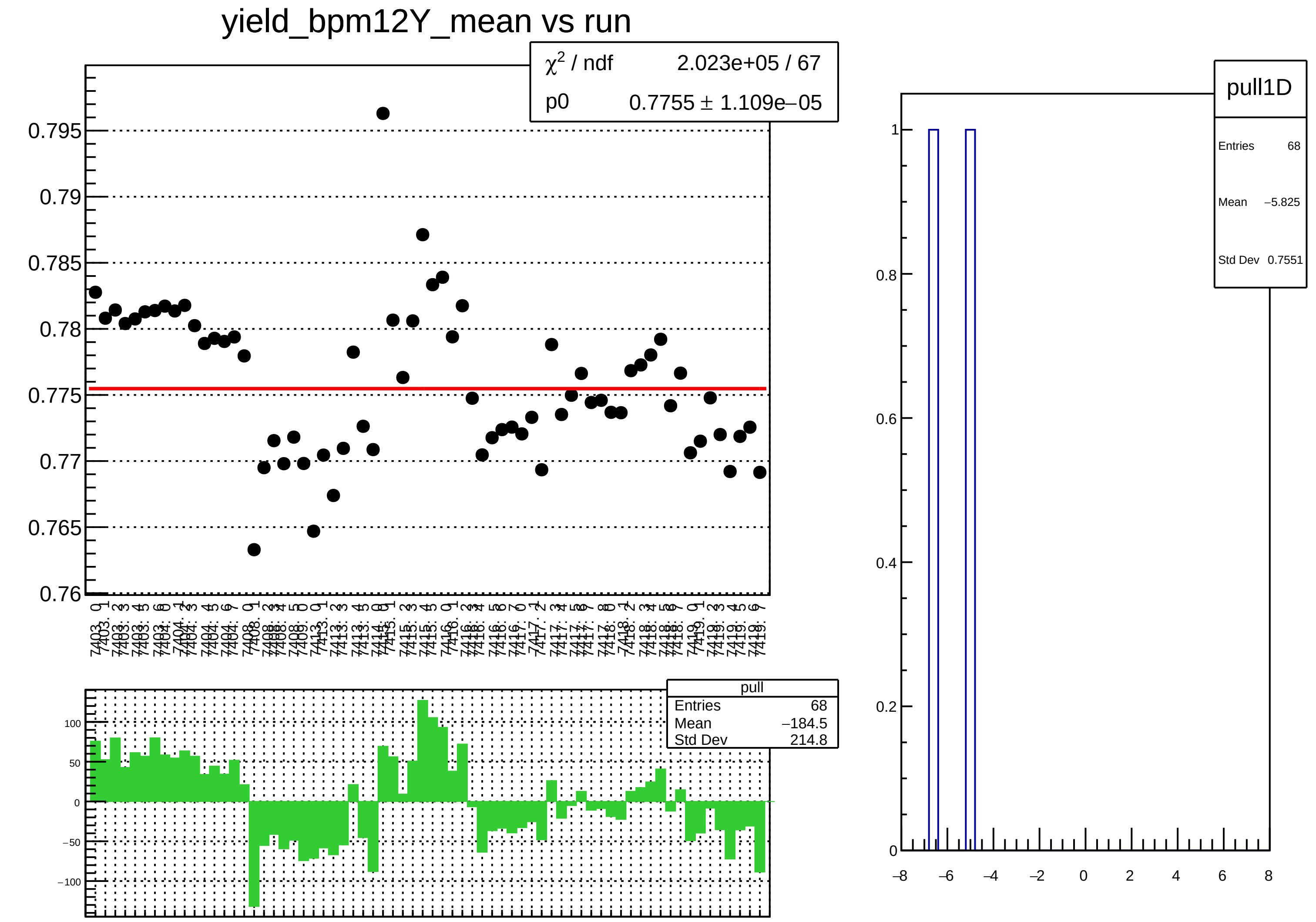


yield_bpm11Y_rms vs run
χ2 / ndf 7.338e+04 / 67
p0 0.01302 ± 1.17e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

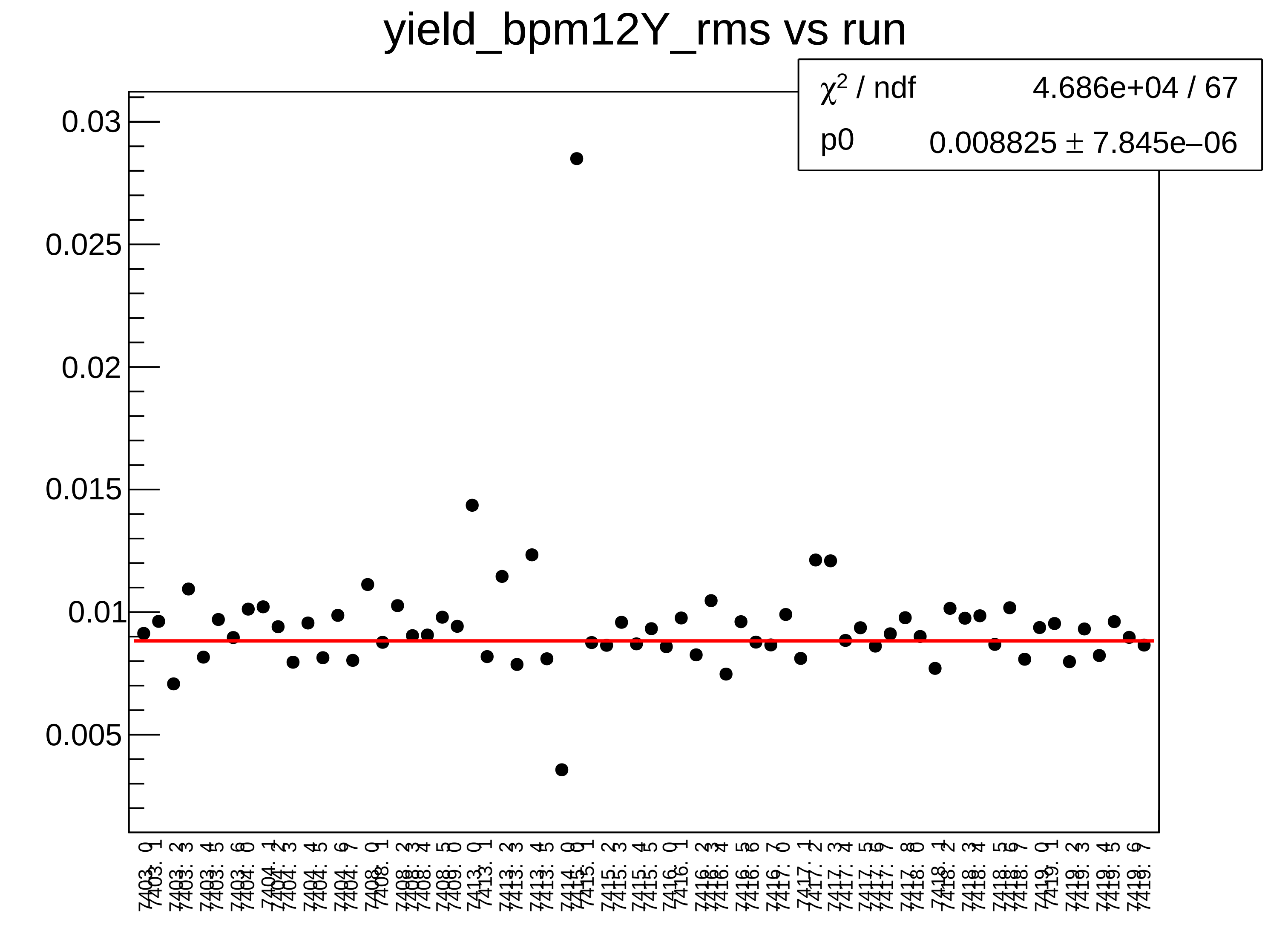

yield_bpm12X_mean vs run
χ2 / ndf 4.325e+04 / 67
p0 −1.389 ± 4.569e−05
pull
Entries 68
Mean 77.14
Std Dev 51.08
pull1D
Entries 68
Mean −1.688
Std Dev 4.095

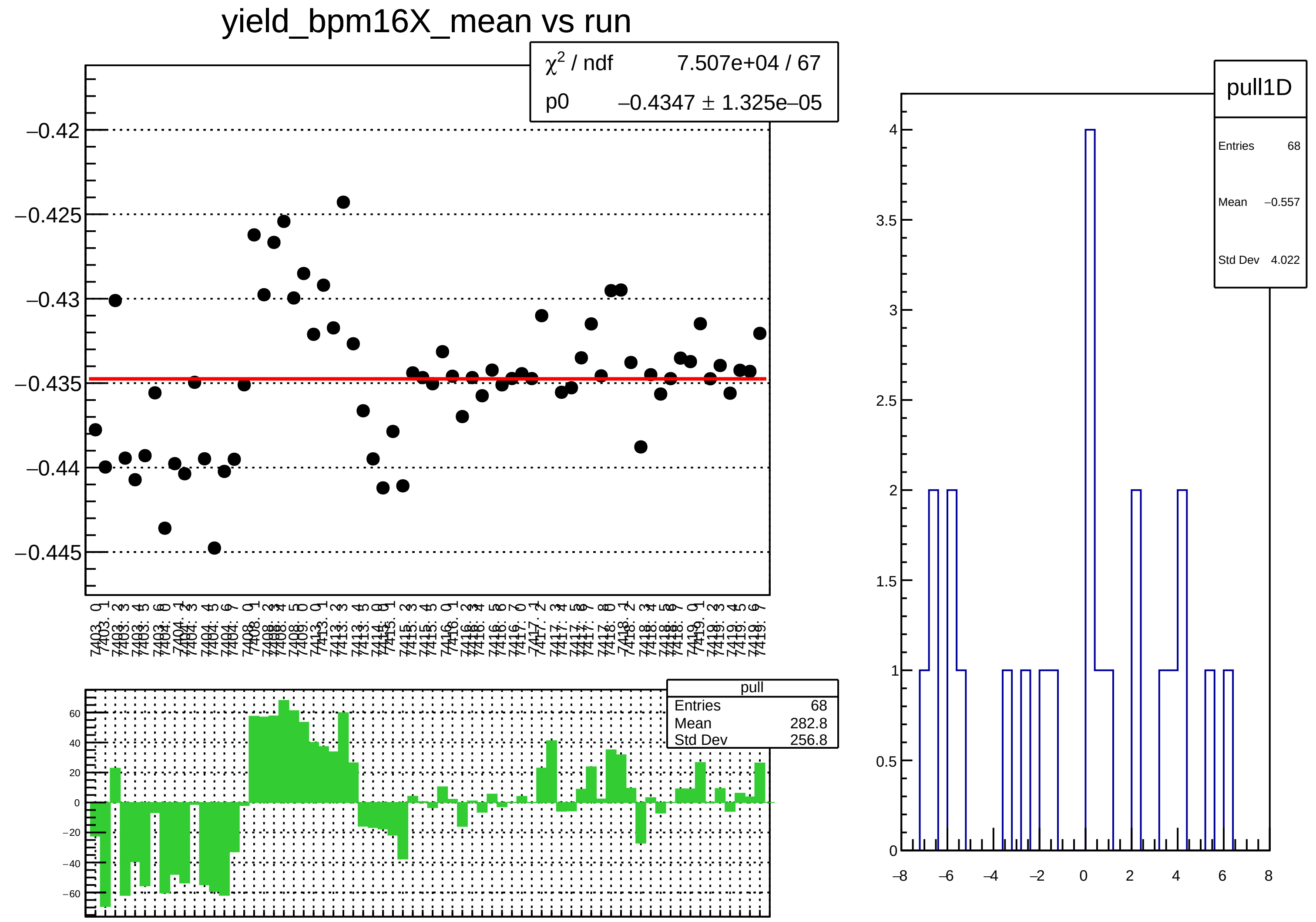


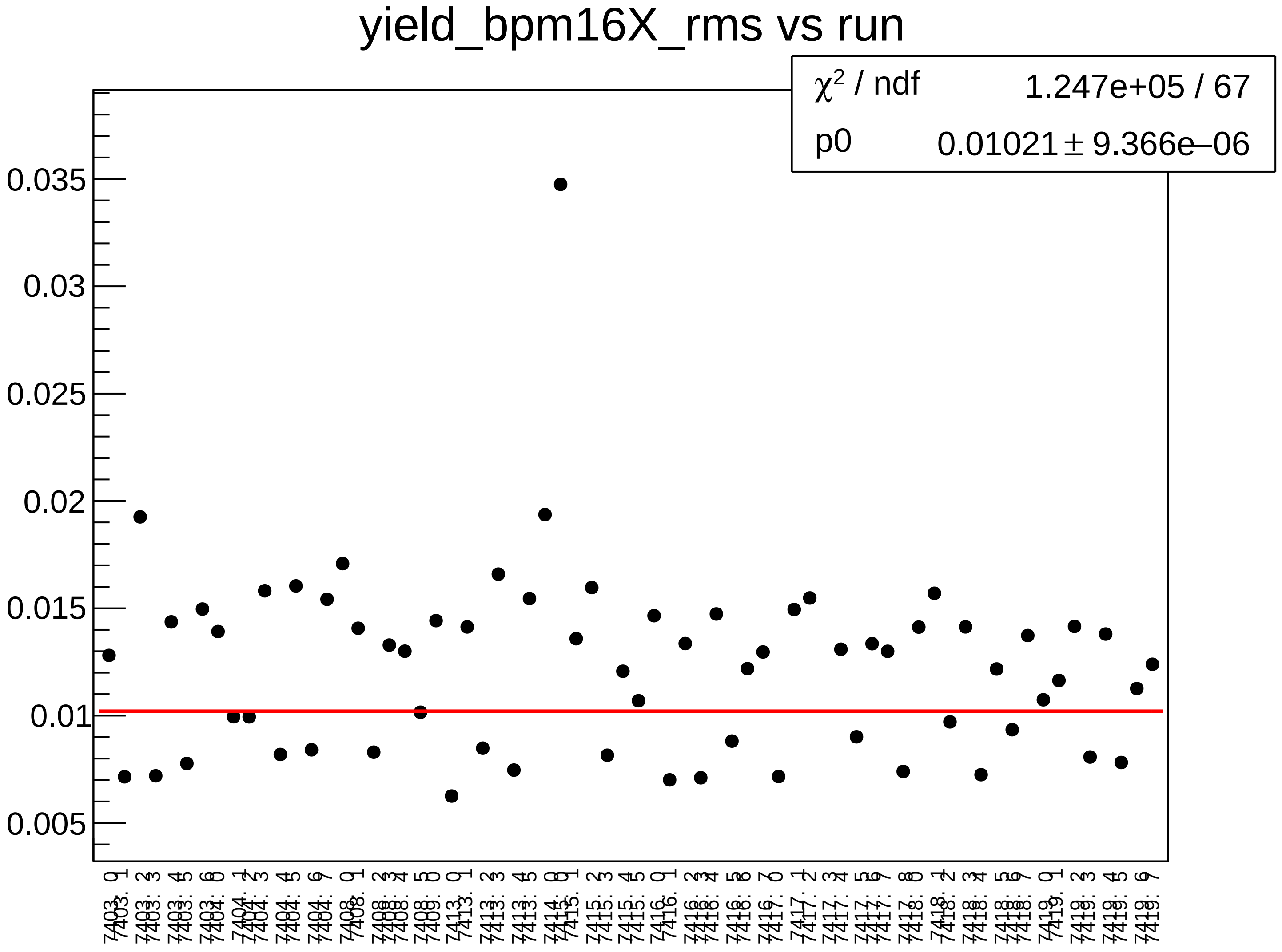
yield_bpm12X_rms vs run
χ^2 / ndf 6.118e+04 / 67
p0 0.03614 ± 3.231e−05
0.25
0.2
0.15
0.1
0.05

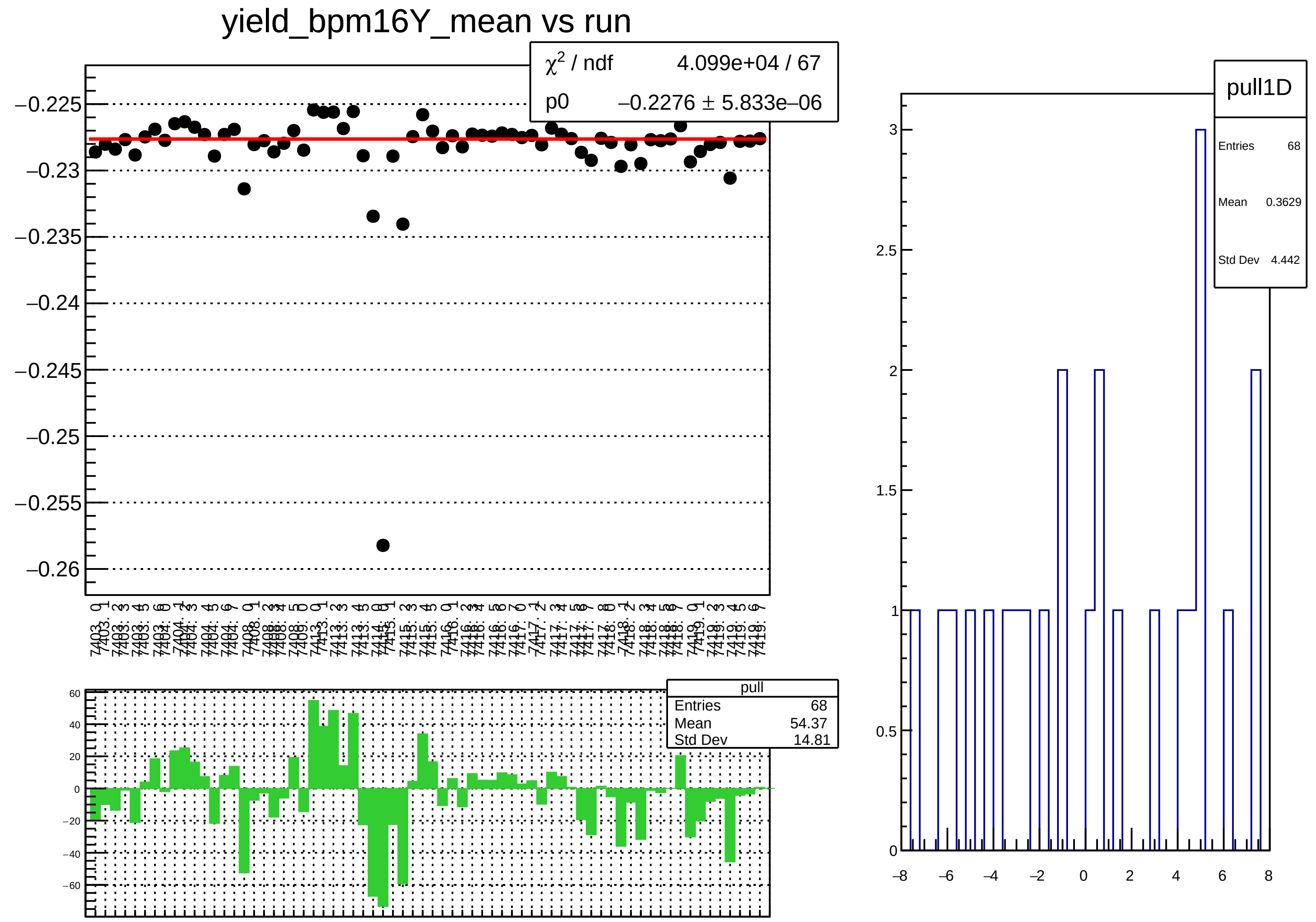


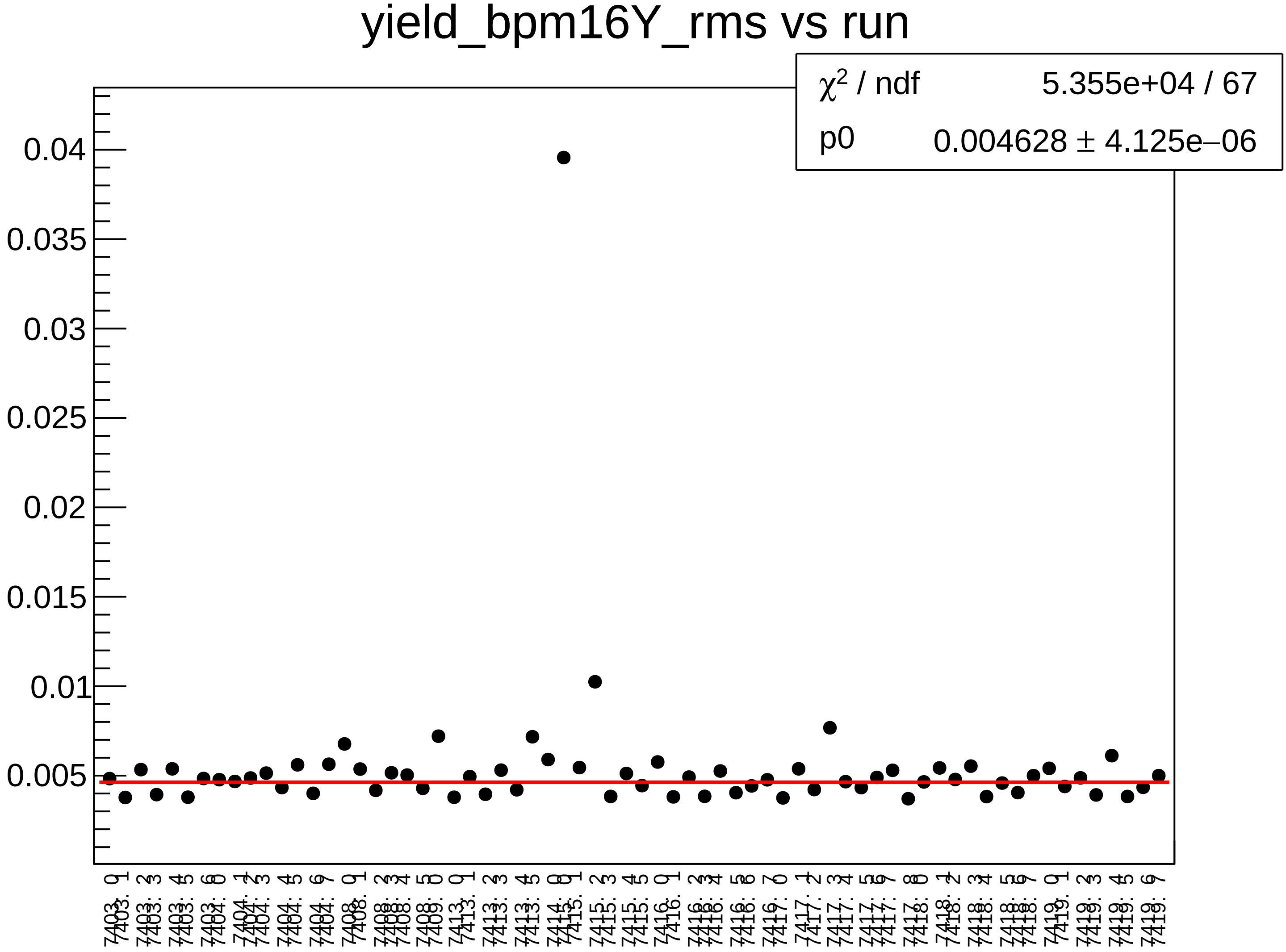
yield_bpm12Y_mean vs run
χ^2 / ndf 2.023e+05 / 67
p0 0.7755 ± 1.109e−05
pull
Entries 68
Mean −184.5
Std Dev 214.8
pull1D
Entries 68
Mean −5.825
Std Dev 0.7551



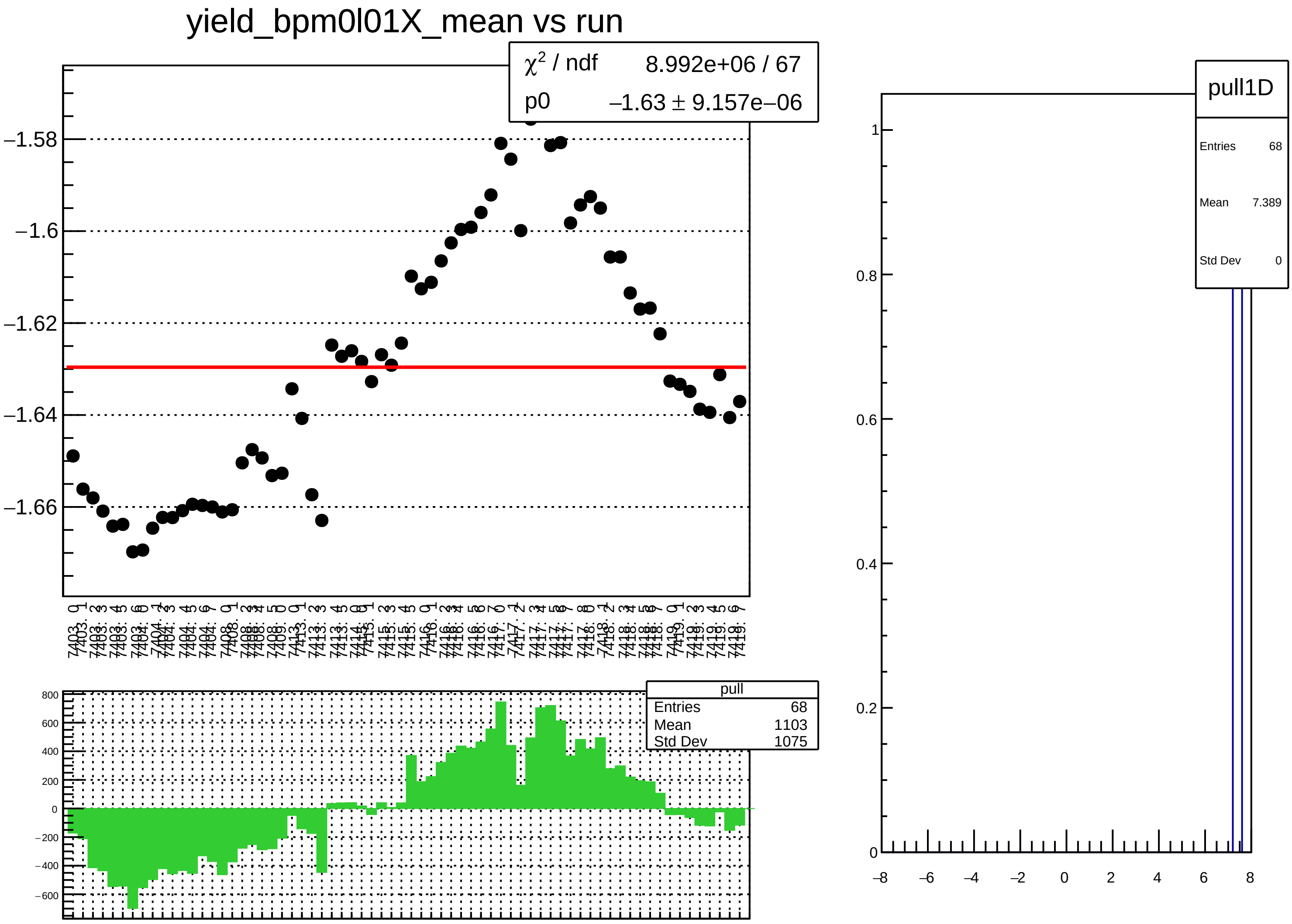

yield_bpm16X_mean vs run
χ^2 / ndf 7.507e+04 / 67
p0 −0.4347 ± 1.325e−05
pull
Entries 68
Mean 282.8
Std Dev 256.8
pull1D
Entries 68
Mean −0.557
Std Dev 4.022


yield_bpm16X_rms vs run
χ^2 / ndf 1.247e+05 / 67
p0 0.01021 ± 9.366e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

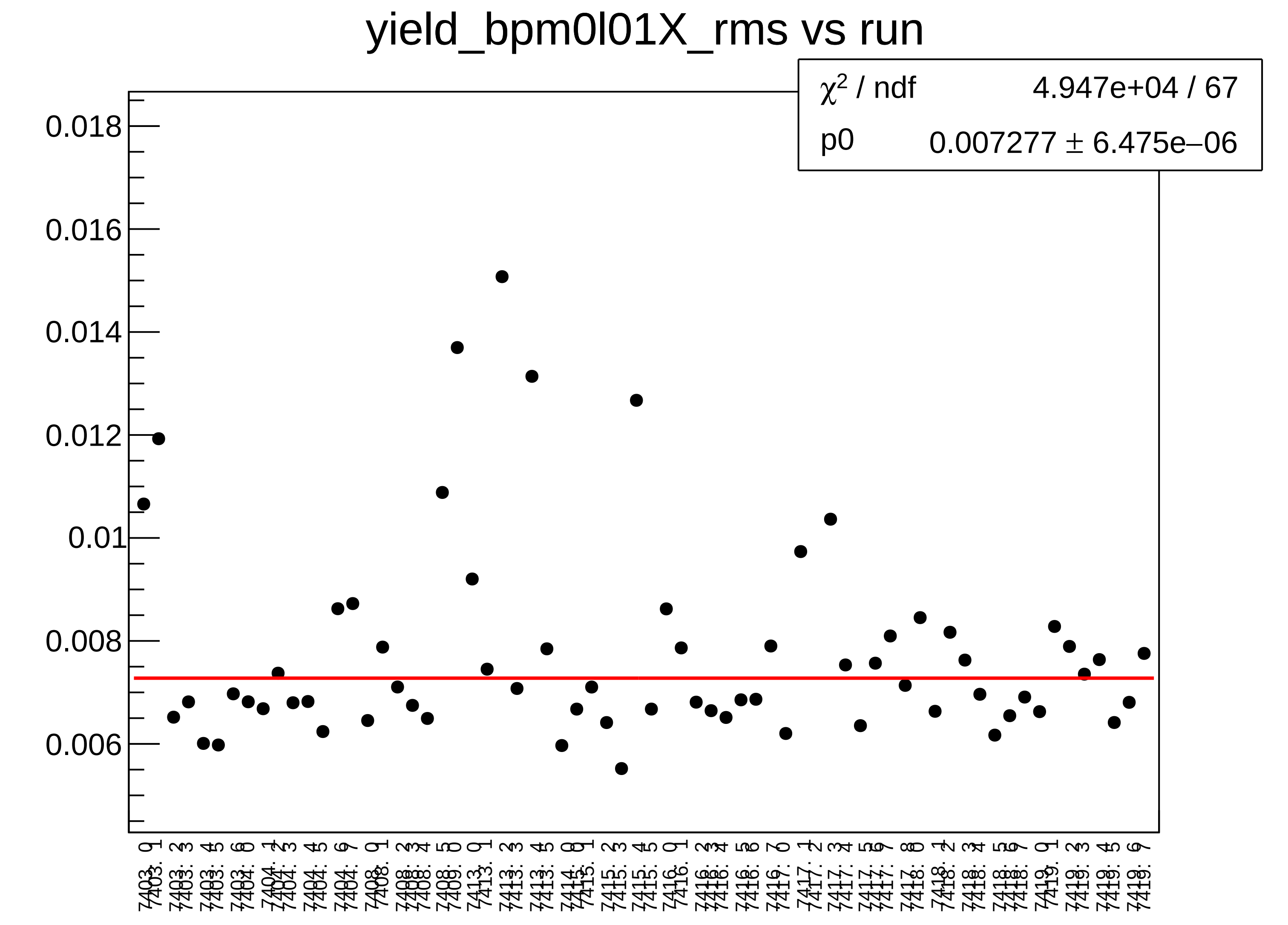

yield_bpm16Y_mean vs run
χ^2 / ndf 4.099e+04 / 67
p0 −0.2276 ± 5.833e−06
pull
Entries 68
Mean 54.37
Std Dev 14.81
pull1D
Entries 68
Mean 0.3629
Std Dev 4.442



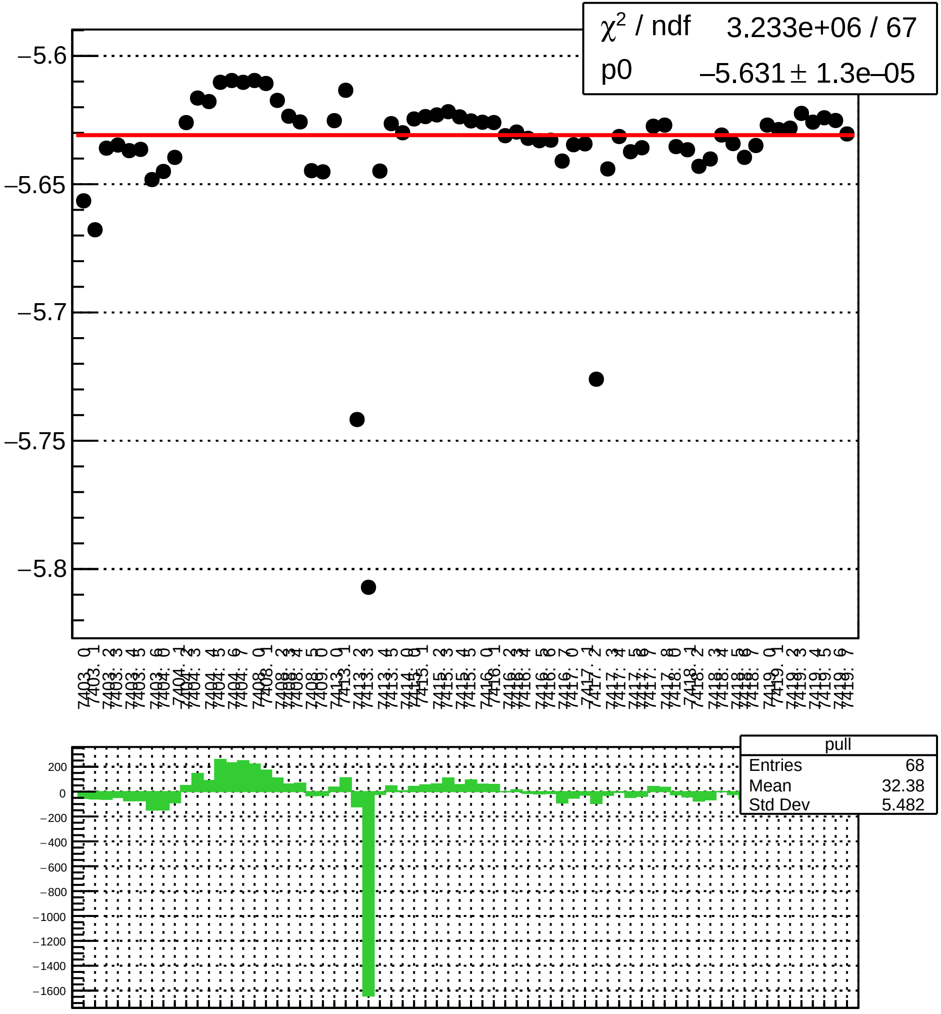
yield_bpm16Y_rms vs run
χ^2 / ndf 5.355e+04 / 67
p0 0.004628 ± 4.125e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

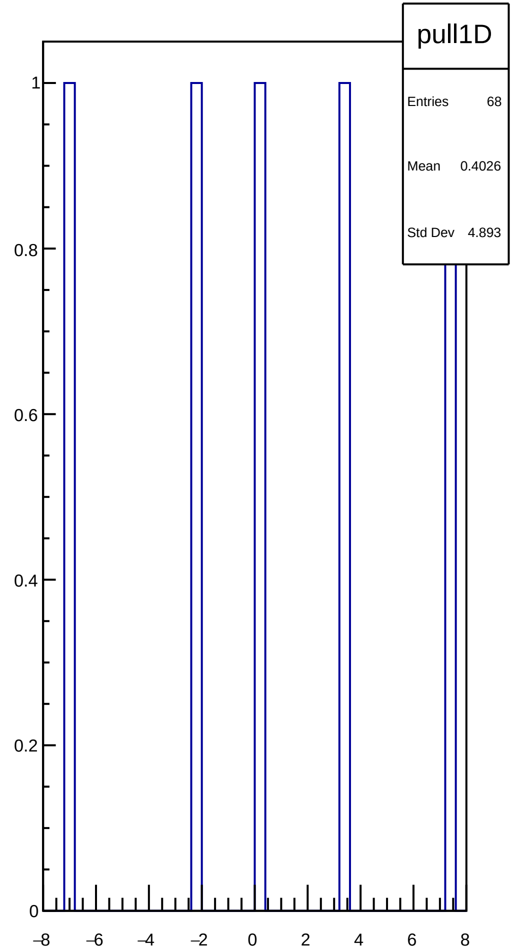


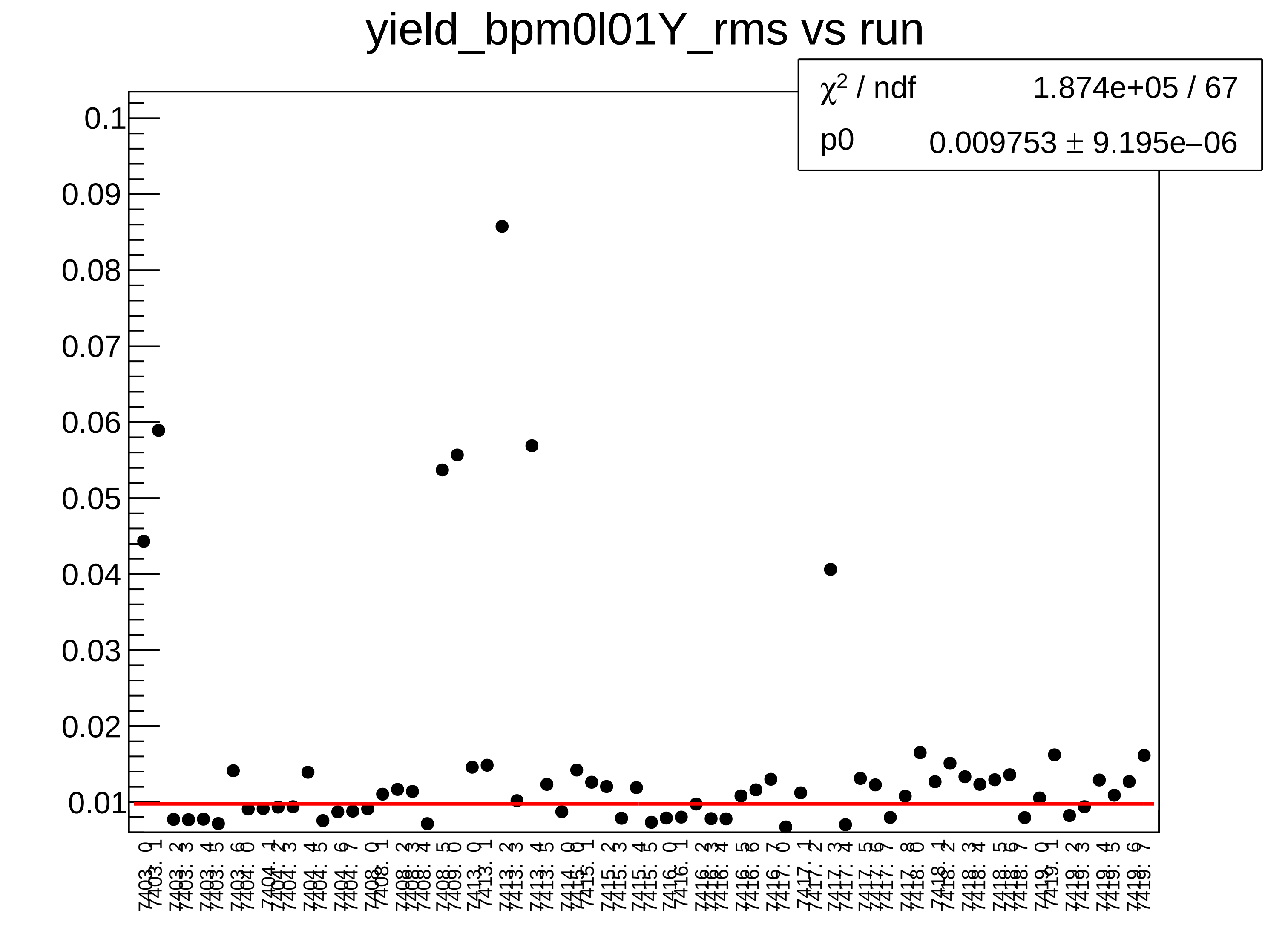
yield_bpm0l01X_mean vs run
χ^2 / ndf 8.992e+06 / 67
p0 −1.63 ± 9.157e−06
pull
Entries 68
Mean 1103
Std Dev 1075
pull1D
Entries 68
Mean 7.389
Std Dev 0


yield_bpm0l01X_rms vs run
χ^2 / ndf 4.947e+04 / 67
p0 0.007277 ± 6.475e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

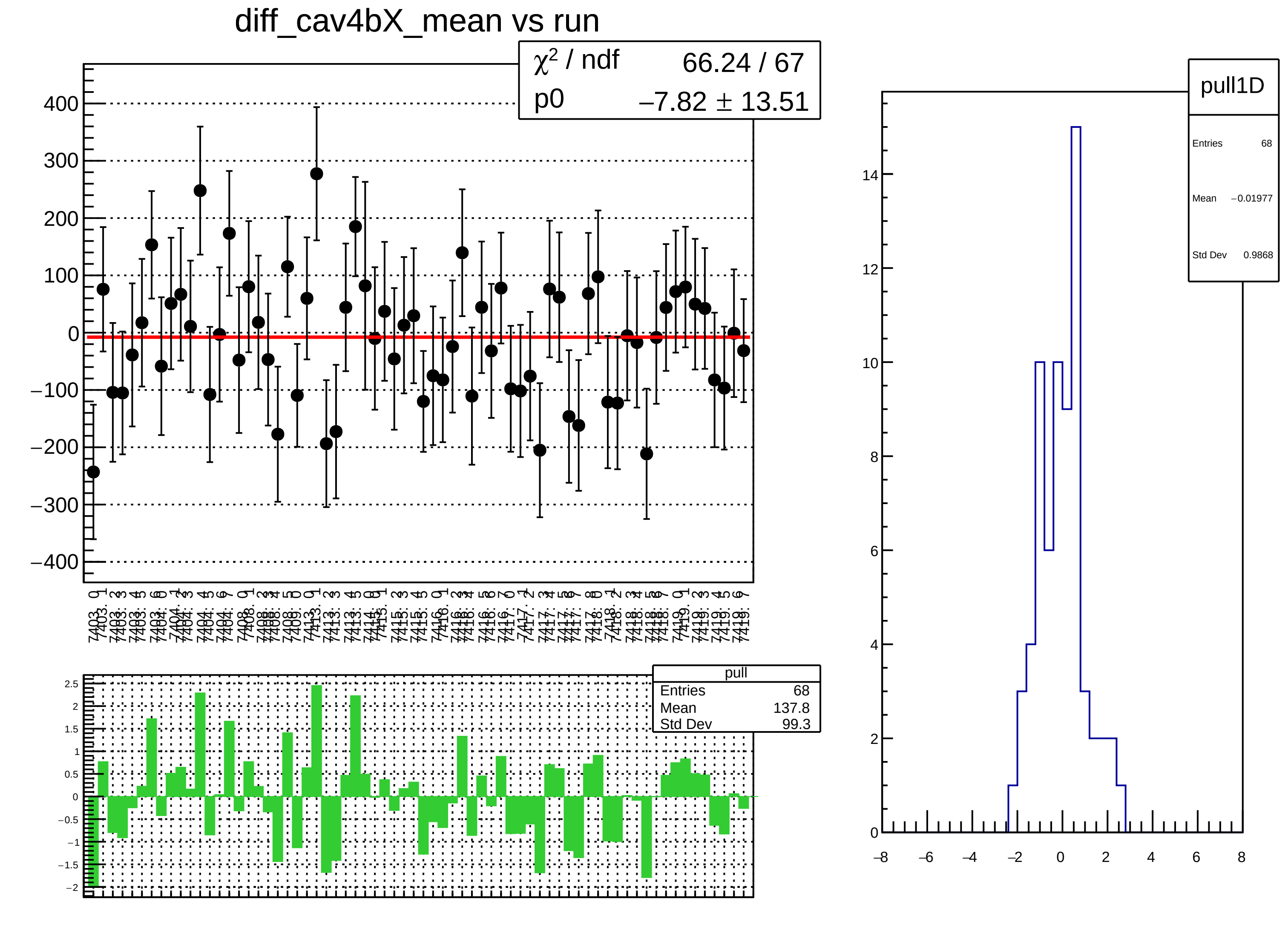
yield_bpm0l01Y_mean vs run

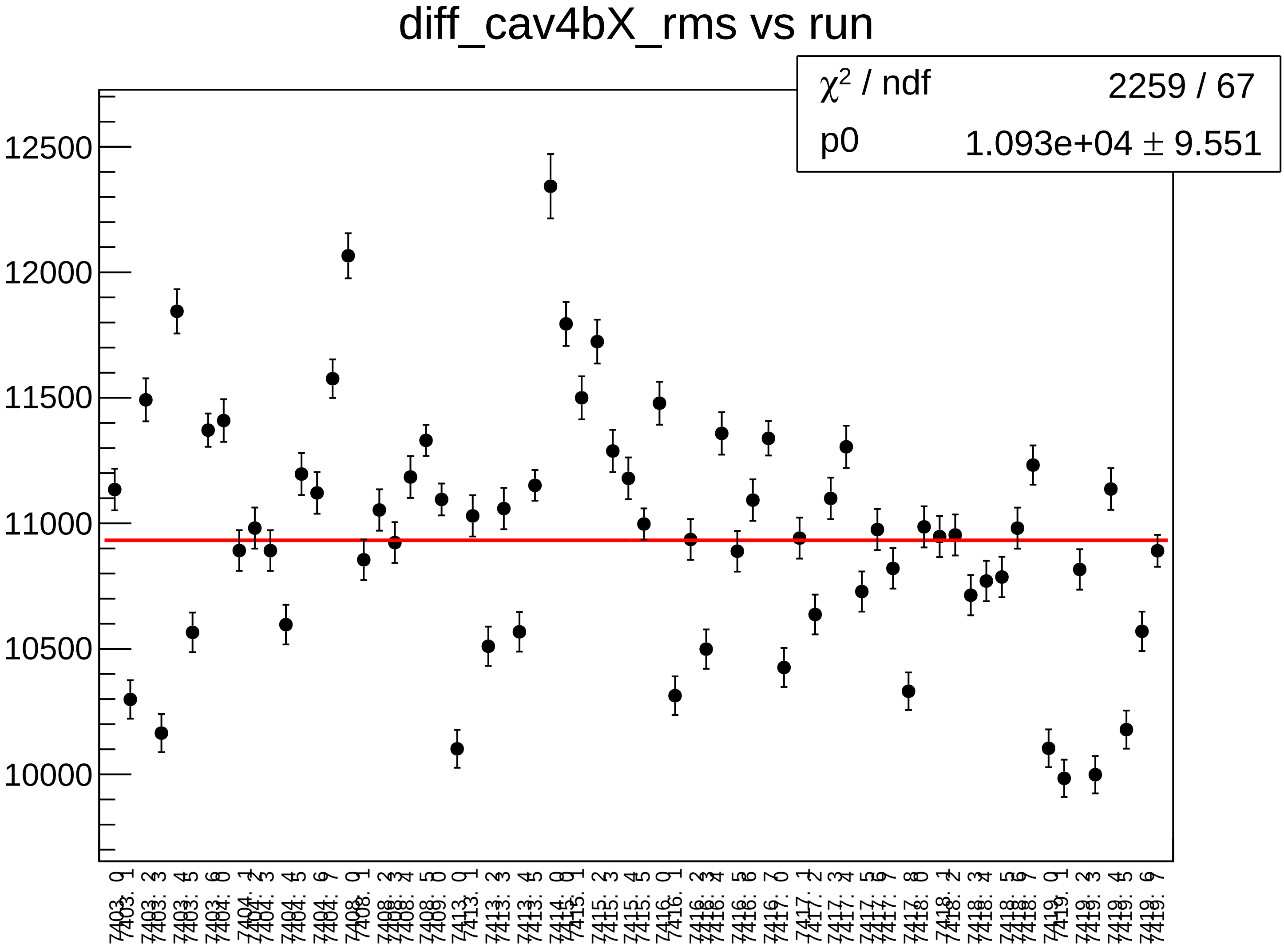


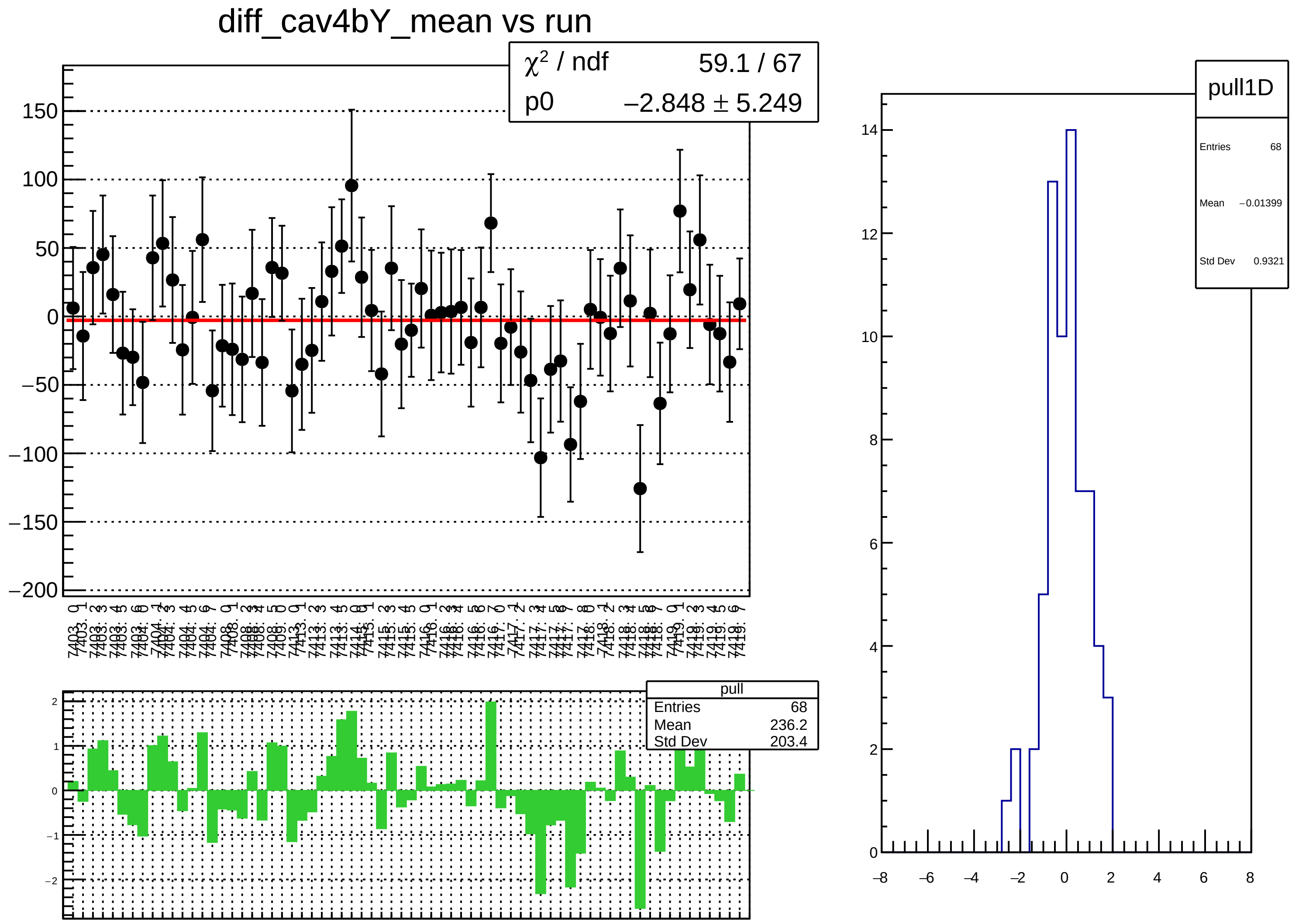




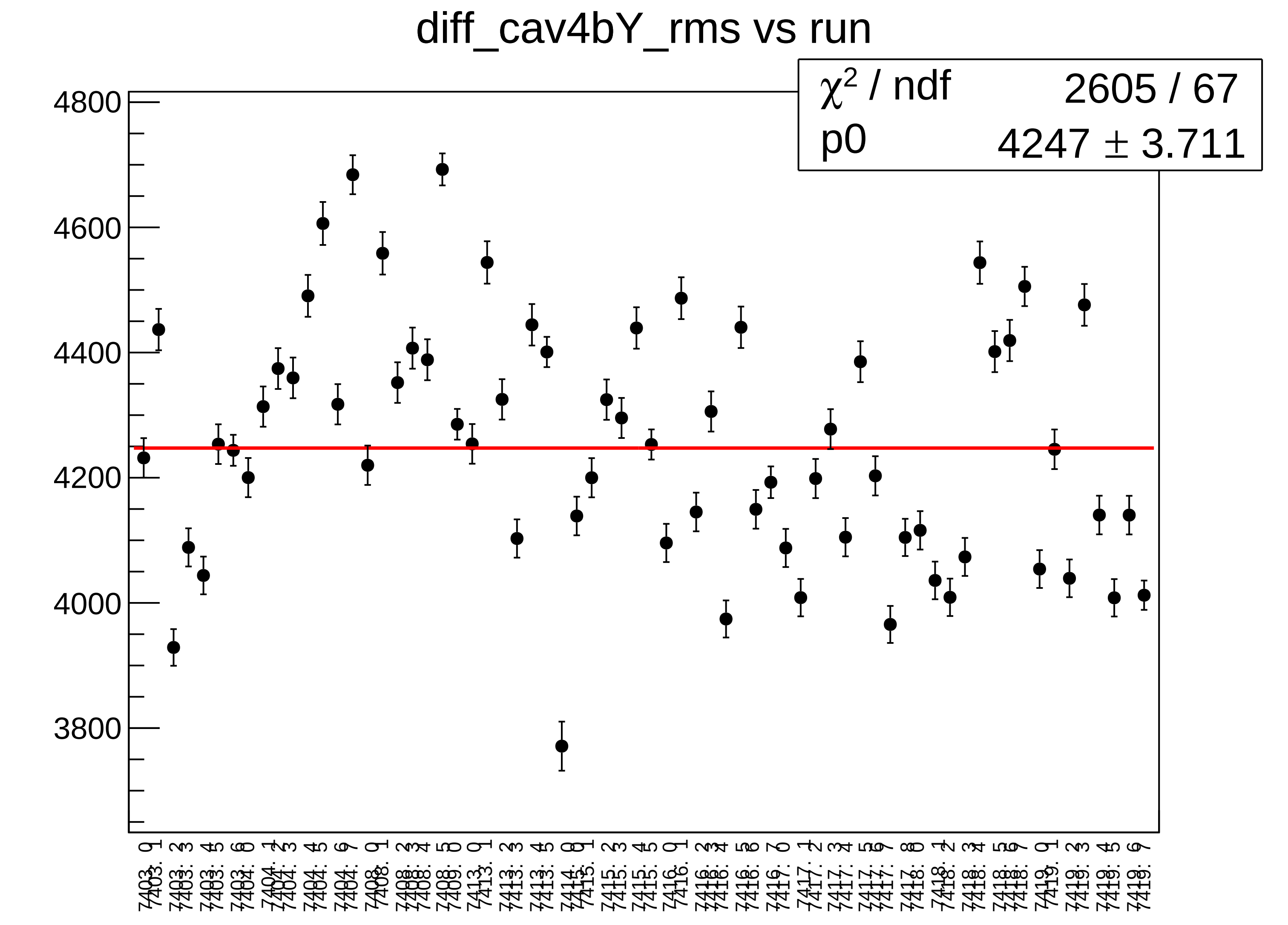
yield_bpm0l01Y_rms vs run
χ^2 / ndf 1.874e+05 / 67
p0 0.009753 ± 9.195e−06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01


diff_cav4bX_mean vs run
χ^2 / ndf 66.24 / 67
p0 −7.82 ± 13.51
pull
Entries 68
Mean 137.8
Std Dev 99.3
pull1D
Entries 68
Mean −0.01977
Std Dev 0.9868

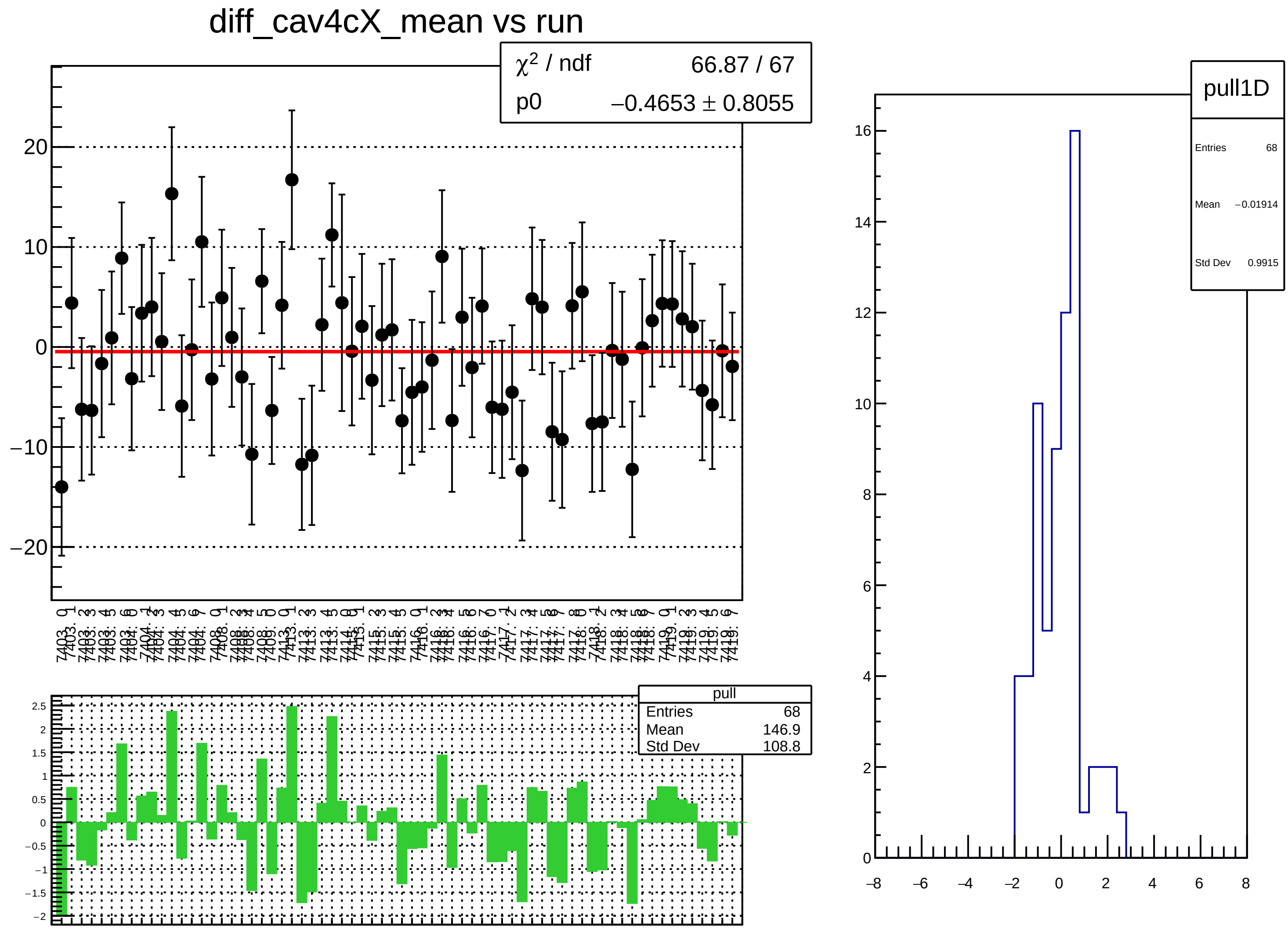

diff_cav4bX_rms vs run
χ^2 / ndf 2259 / 67
p0 1.093e+04 ± 9.551
12500
12000
11500
11000
10500
10000



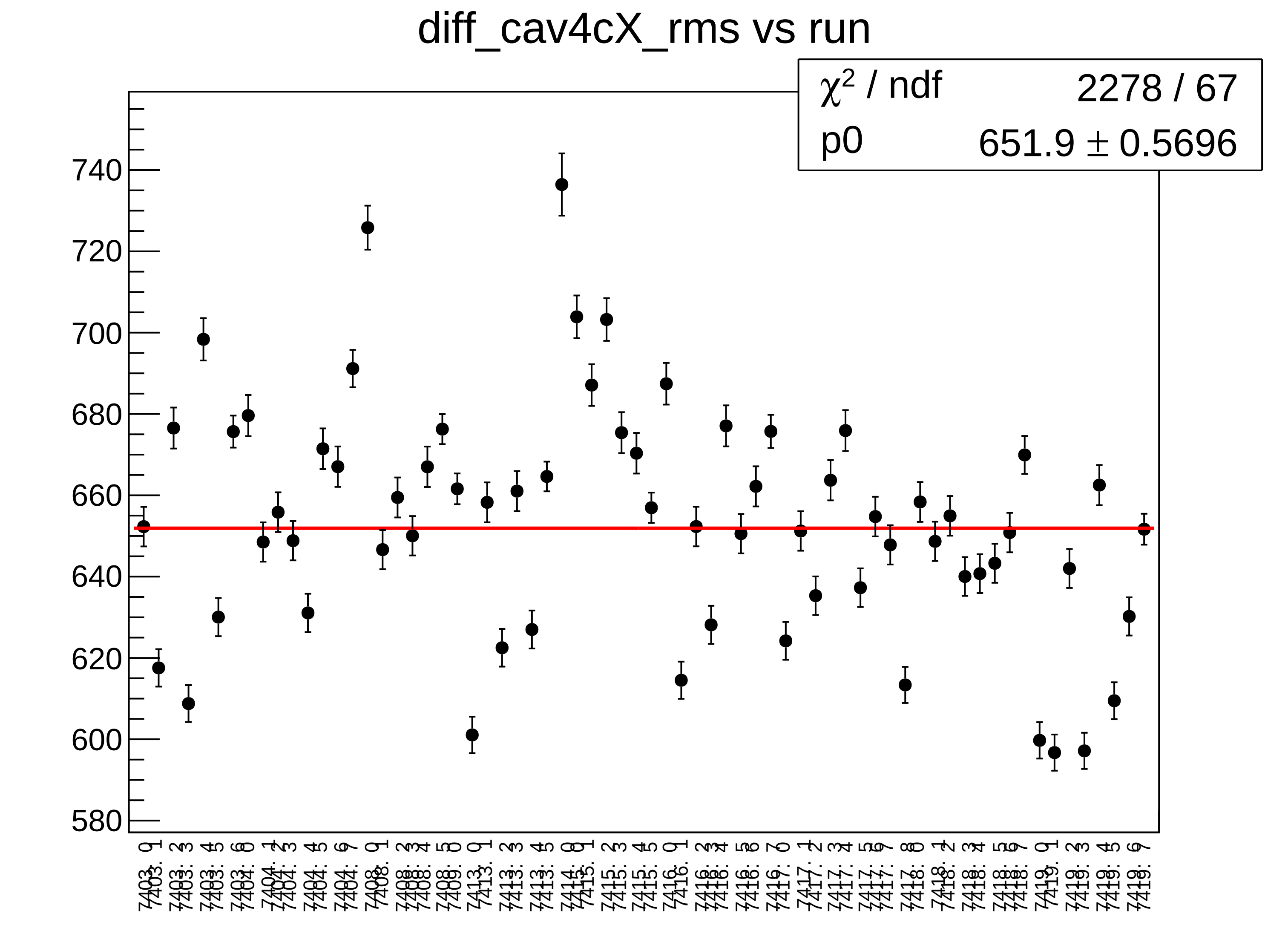
diff_cav4bY_mean vs run
χ^2 / ndf 59.1 / 67
p0 −2.848 ± 5.249
pull
Entries 68
Mean 236.2
Std Dev 203.4
pull1D
Entries 68
Mean −0.01399
Std Dev 0.9321

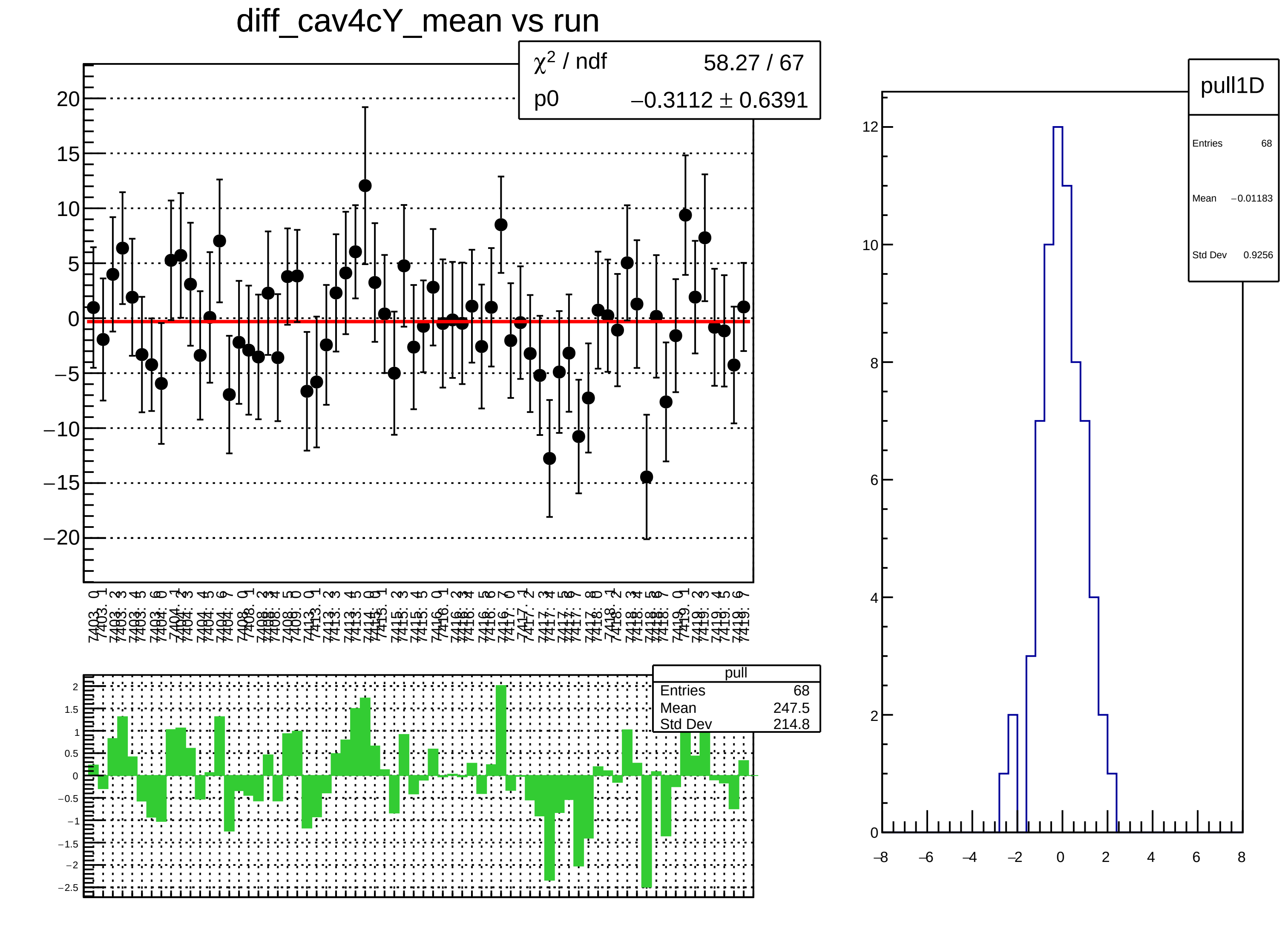


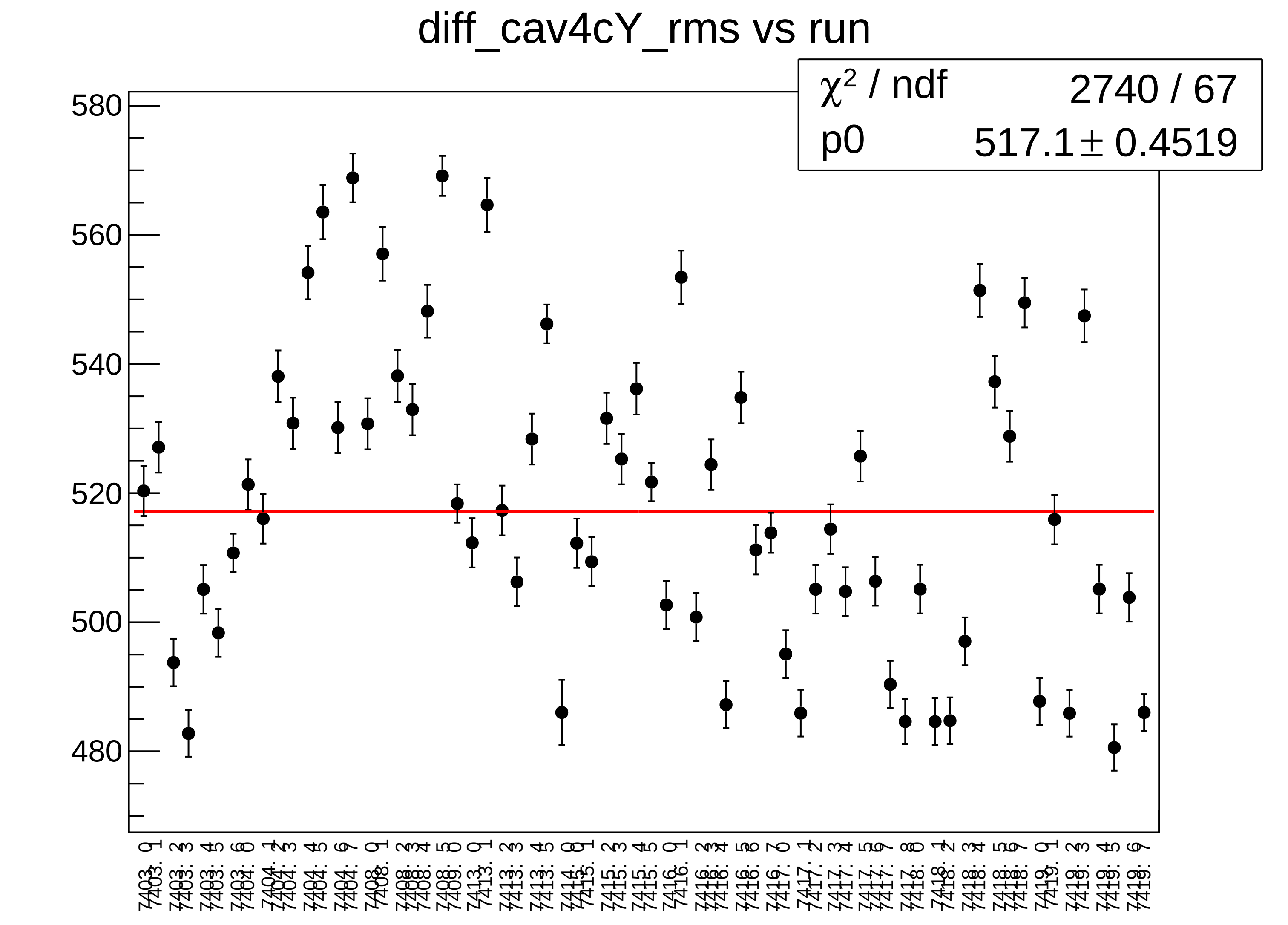
diff_cav4bY_rms vs run
χ^2 / ndf 2605 / 67
p0 4247 ± 3.711
4800
4600
4400
4200
4000
3800

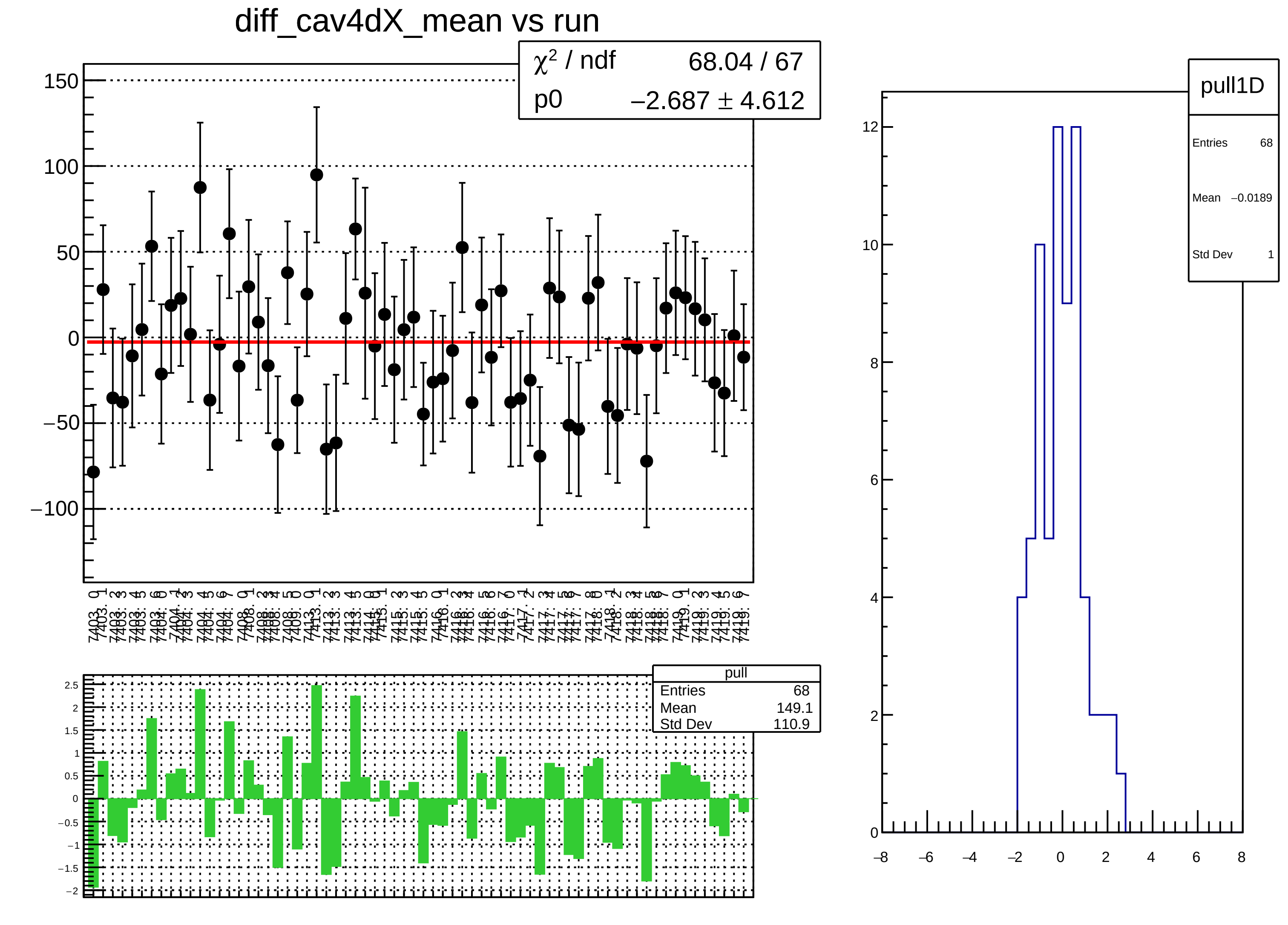


diff_cav4cX_mean vs run
χ^2 / ndf 66.87 / 67
p0 −0.4653 ± 0.8055
pull
Entries 68
Mean 146.9
Std Dev 108.8
pull1D
Entries 68
Mean −0.01914
Std Dev 0.9915

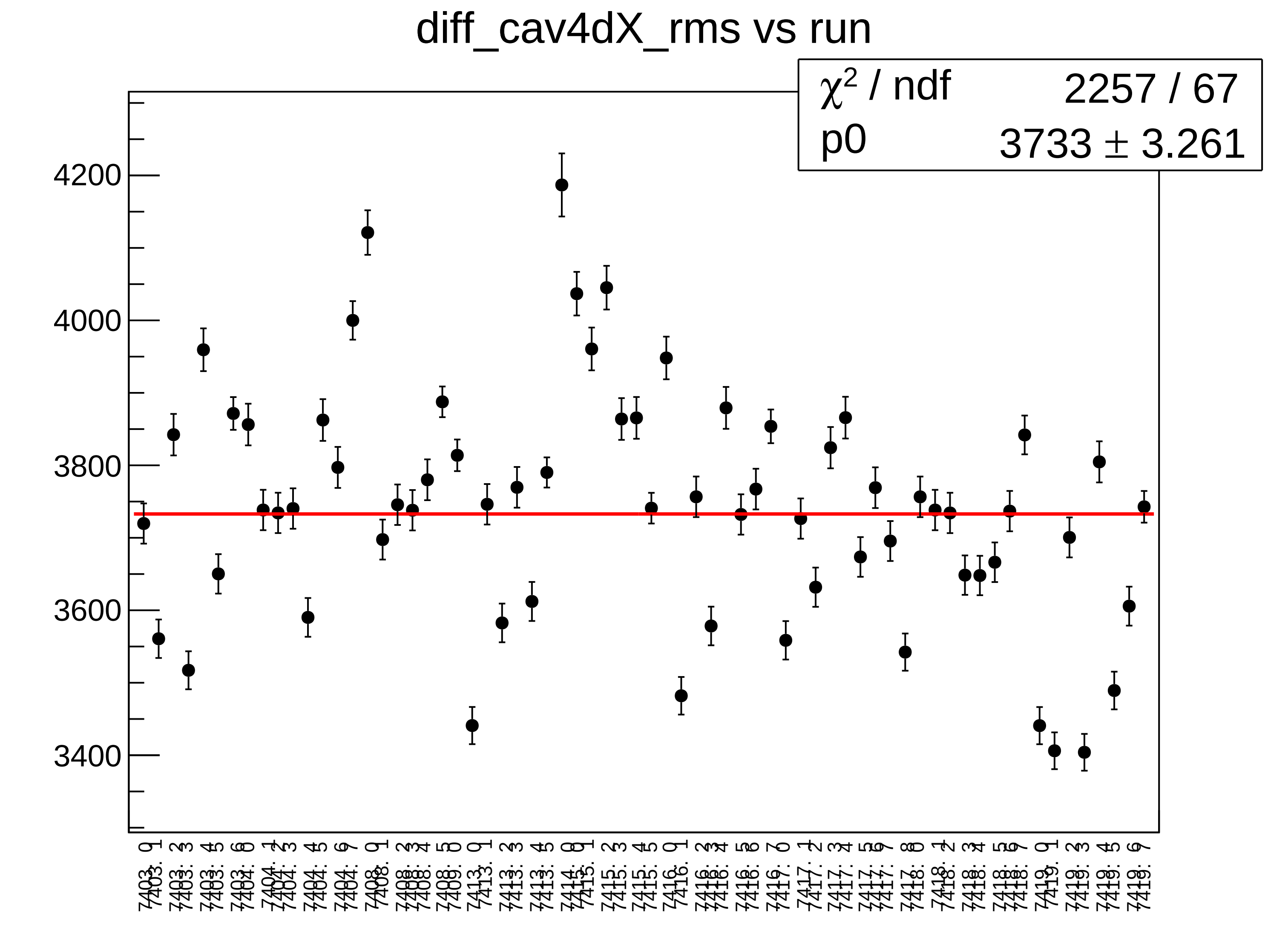

diff_cav4cX_rms vs run
χ2 / ndf 2278 / 67
p0 651.9 ± 0.5696
740
720
700
680
660
640
620
600
580

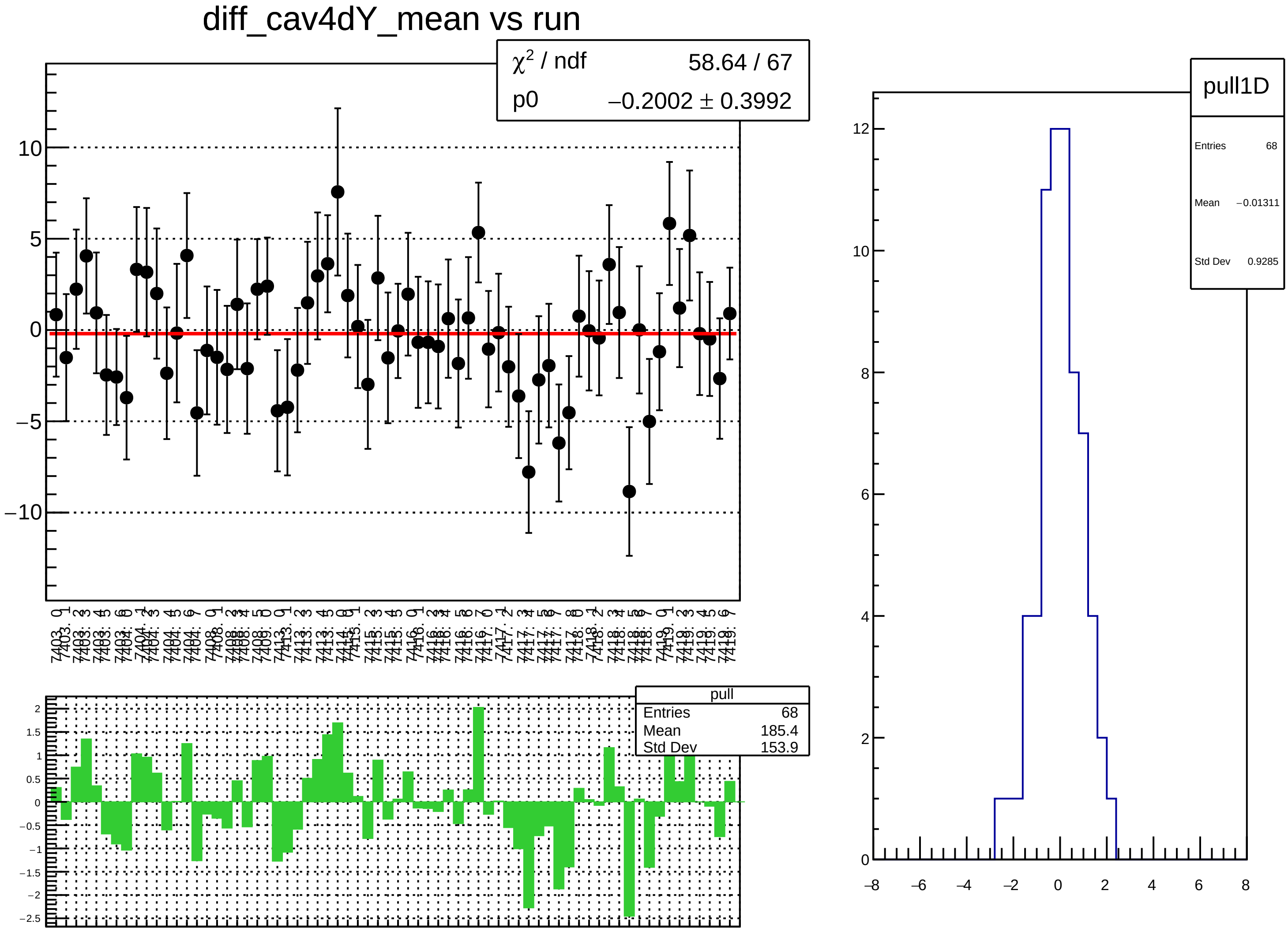

diff_cav4cY_mean vs run
χ2 / ndf 58.27 / 67
p0 −0.3112 ± 0.6391
pull
Entries 68
Mean 247.5
Std Dev 214.8
pull1D
Entries 68
Mean −0.01183
Std Dev 0.9256

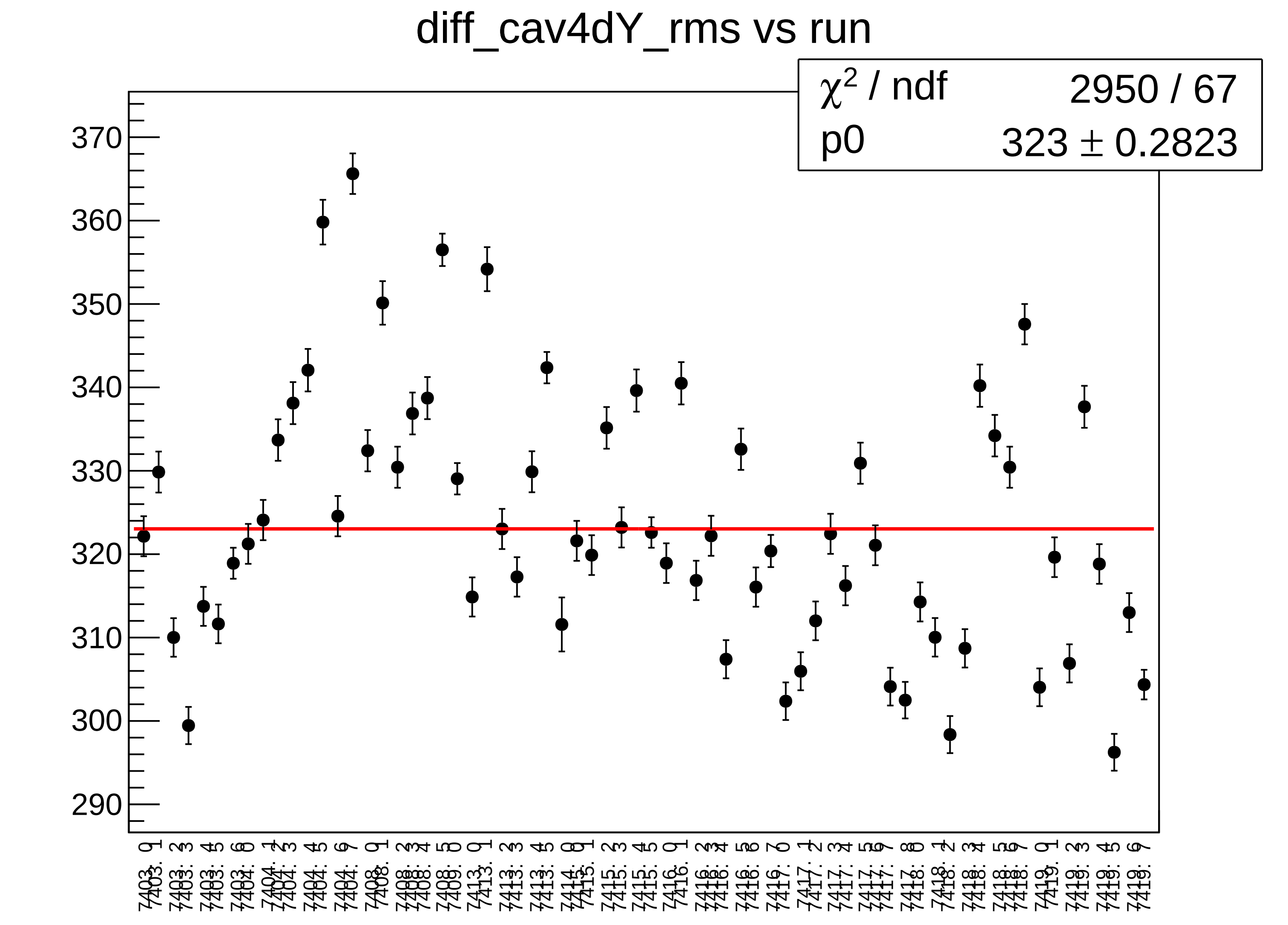

diff_cav4cY_rms vs run
χ^2 / ndf 2740 / 67
p0 517.1 ± 0.4519
580
560
540
520
500
480



diff_cav4dX_mean vs run
χ2 / ndf 68.04 / 67
p0 −2.687 ± 4.612
pull
Entries 68
Mean 149.1
Std Dev 110.9
pull1D
Entries 68
Mean −0.0189
Std Dev 1

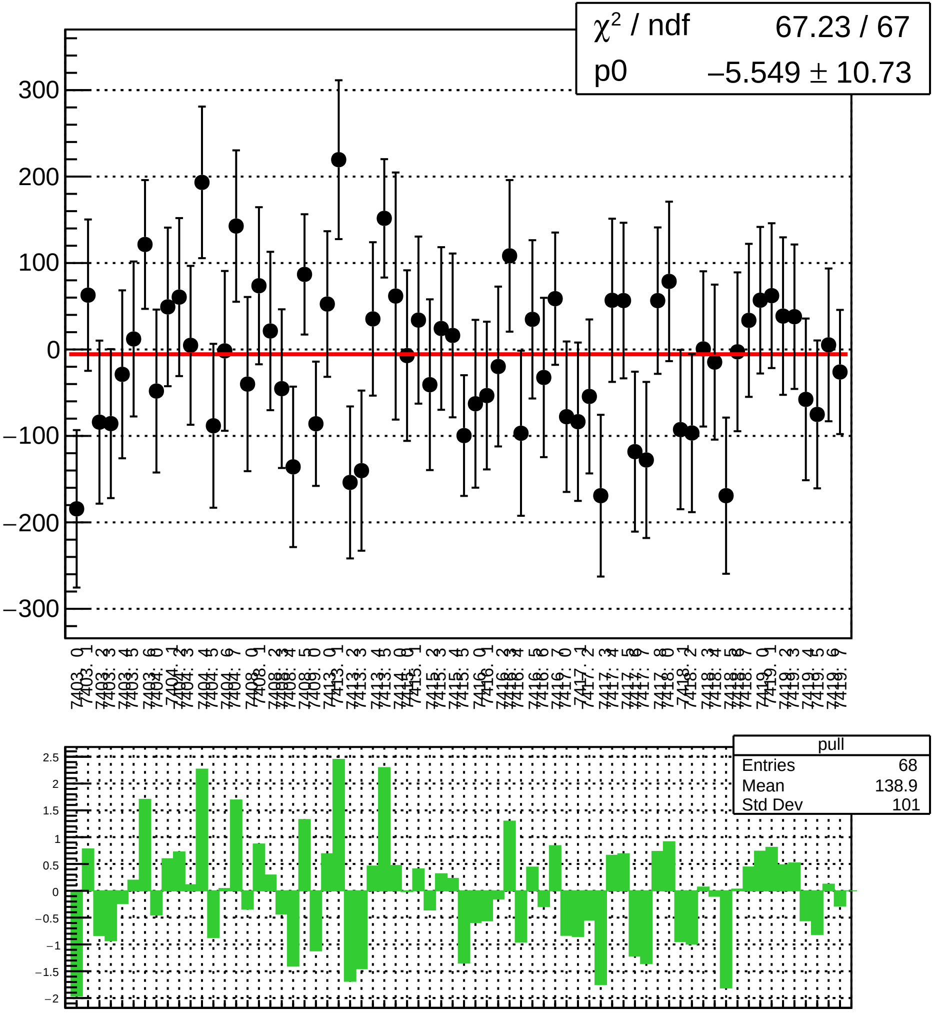

diff_cav4dX_rms vs run
χ2 / ndf 2257 / 67
p0 3733 ± 3.261
4200
4000
3800
3600
3400

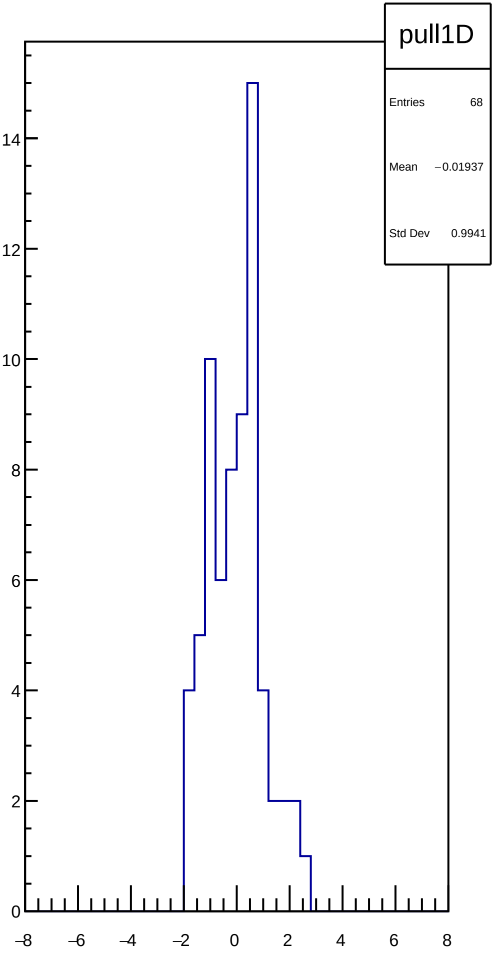

diff_cav4dY_mean vs run
χ^2 / ndf 58.64 / 67
p0 −0.2002 ± 0.3992
pull
Entries 68
Mean 185.4
Std Dev 153.9
pull1D
Entries 68
Mean −0.01311
Std Dev 0.9285

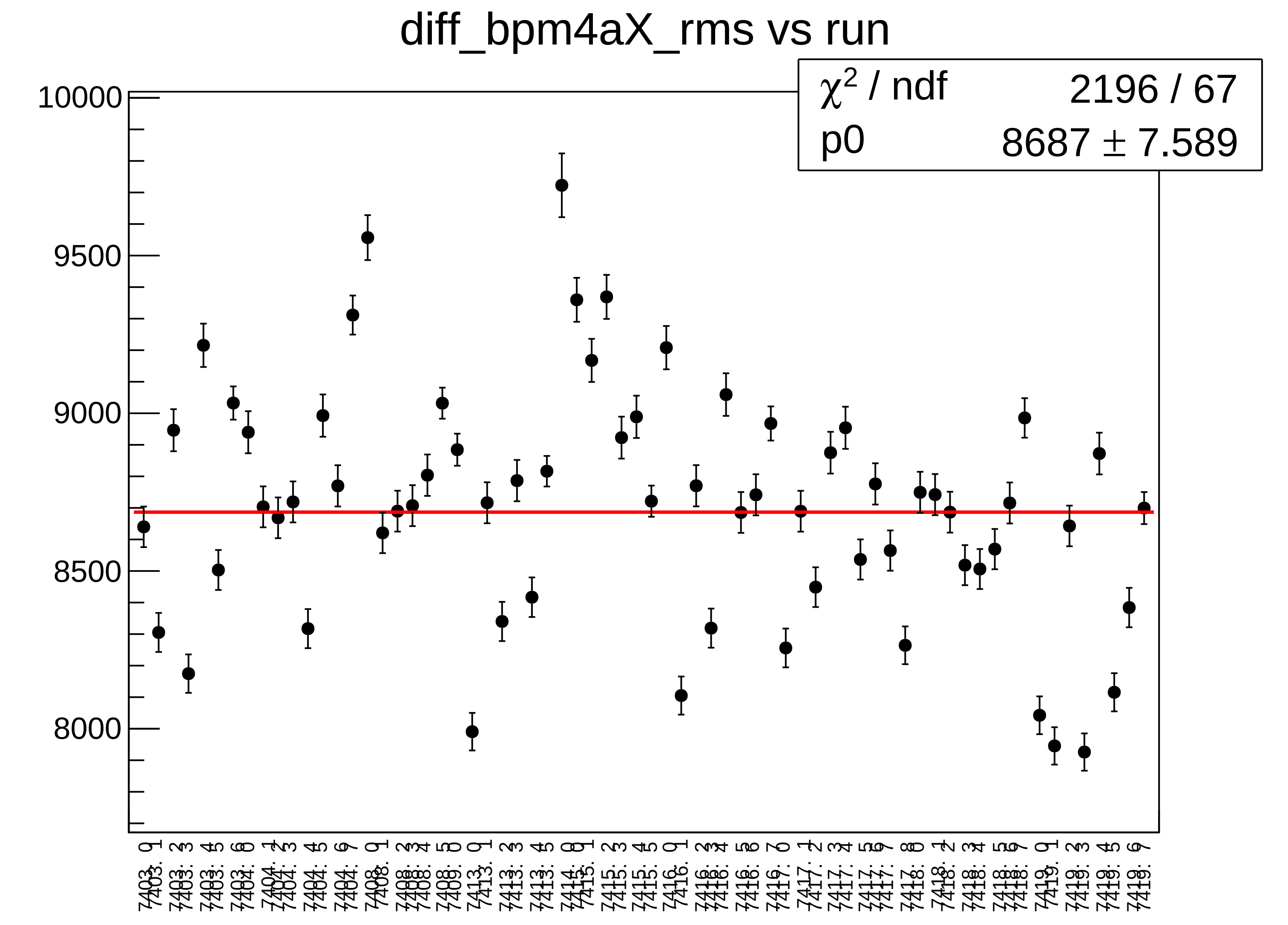


diff_cav4dY_rms vs run
χ^2 / ndf 2950 / 67
p0 323 ± 0.2823
370
360
350
340
330
320
310
300
290

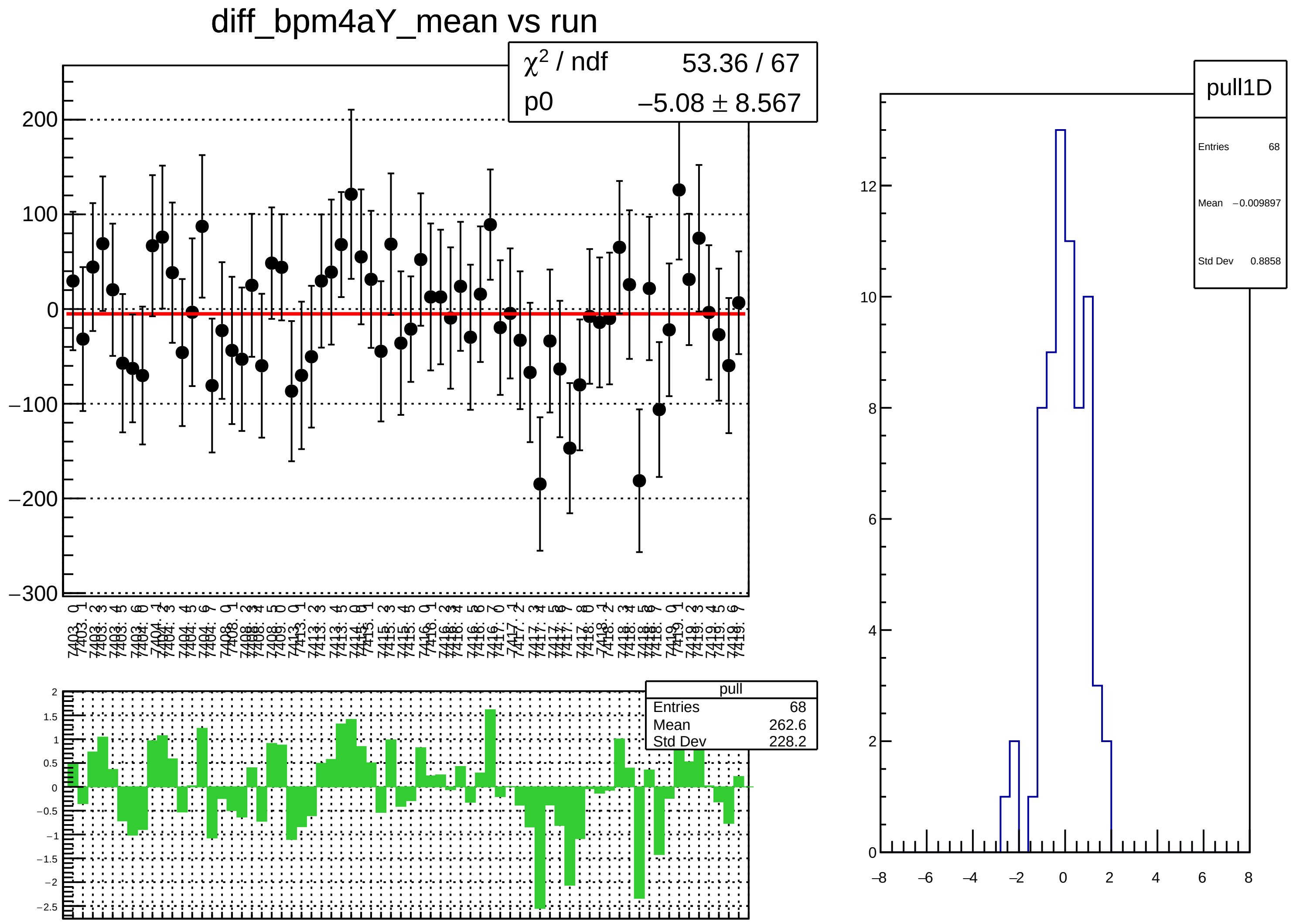
diff_bpm4aX_mean vs run



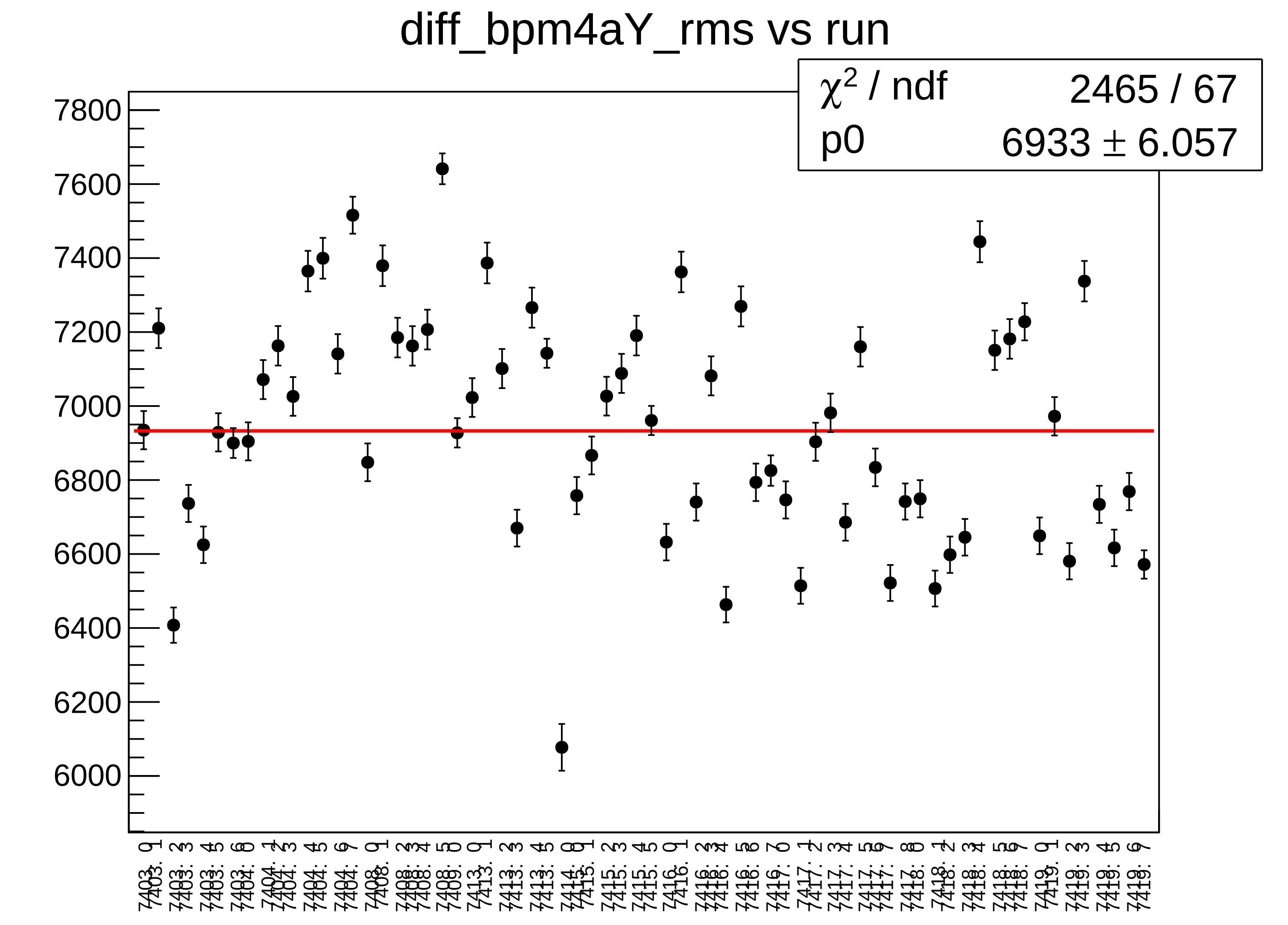




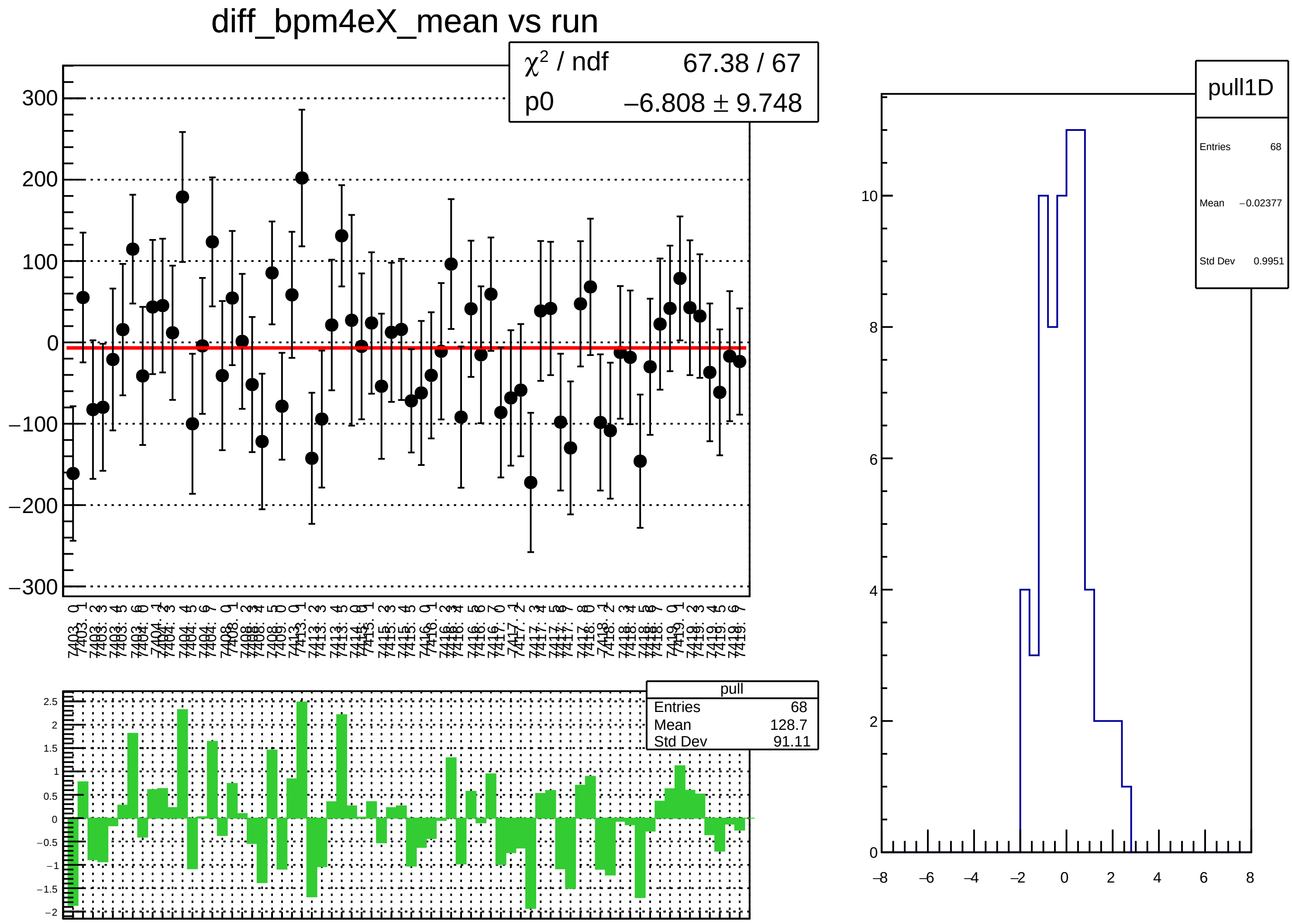
diff_bpm4aX_rms vs run
χ^2 / ndf 2196 / 67
p0 8687 ± 7.589
10000
9500
9000
8500
8000

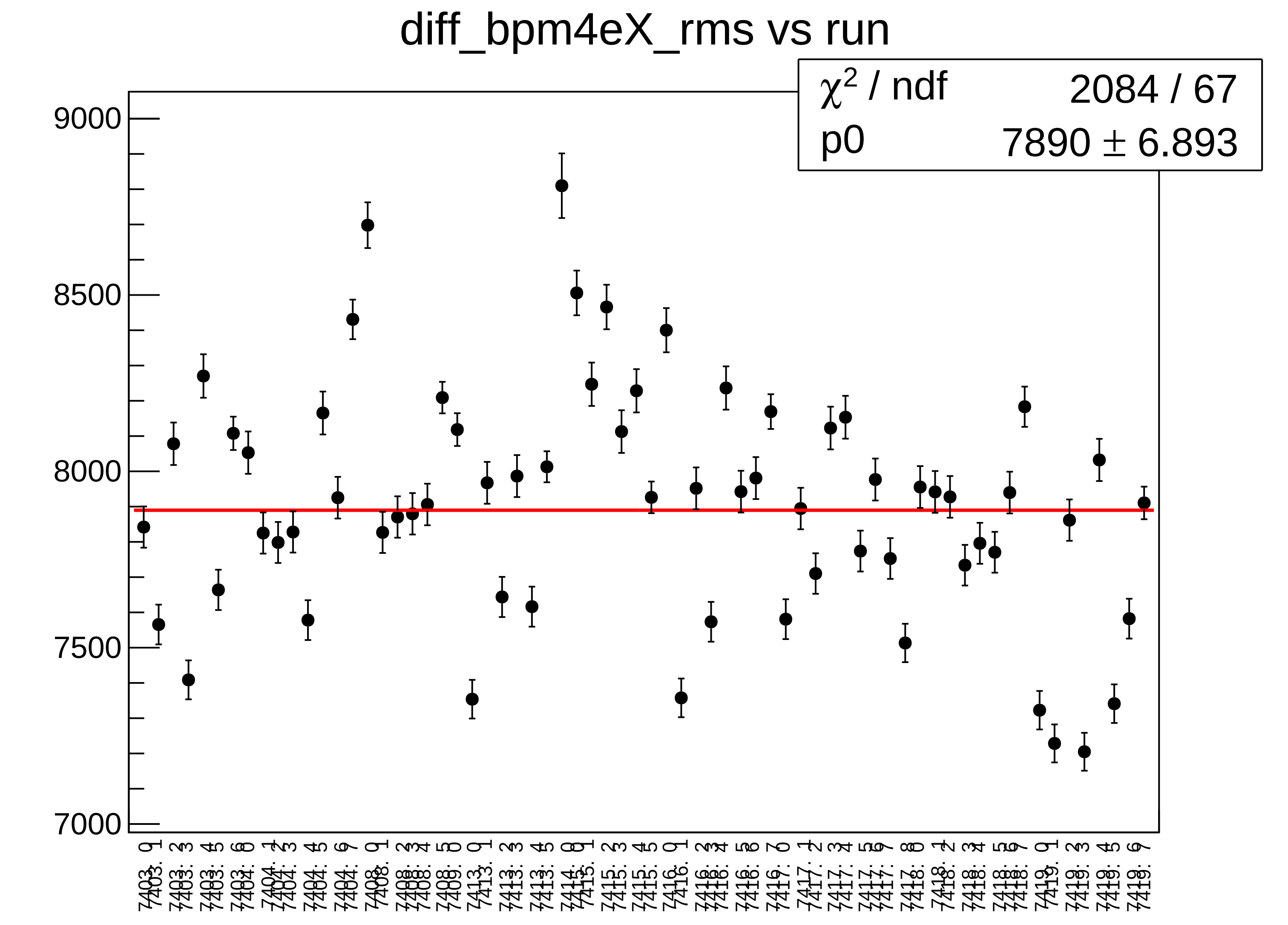


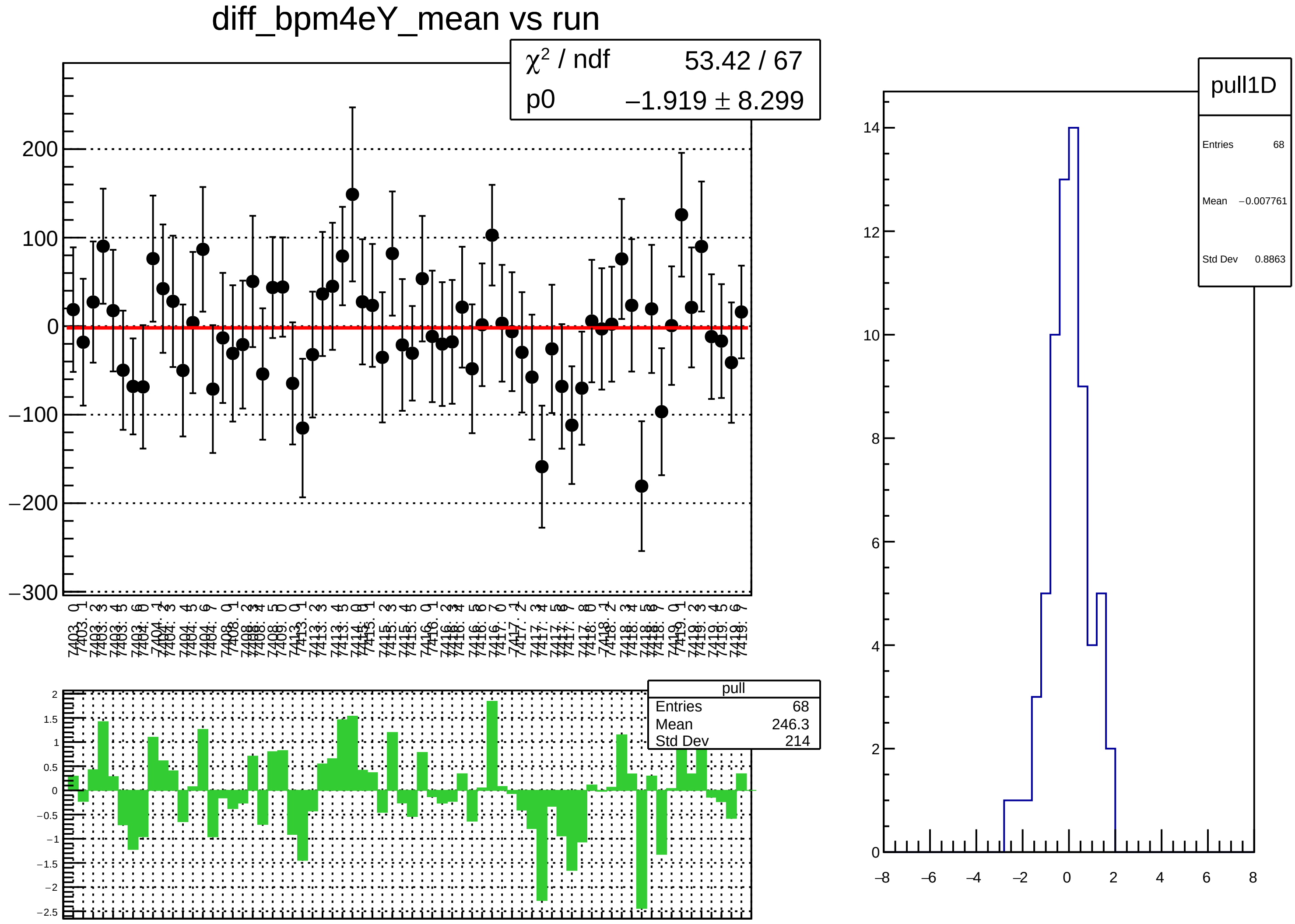
diff_bpm4aY_mean vs run
χ2 / ndf 53.36 / 67
p0 −5.08 ± 8.567
pull
Entries 68
Mean 262.6
Std Dev 228.2
pull1D
Entries 68
Mean −0.009897
Std Dev 0.8858



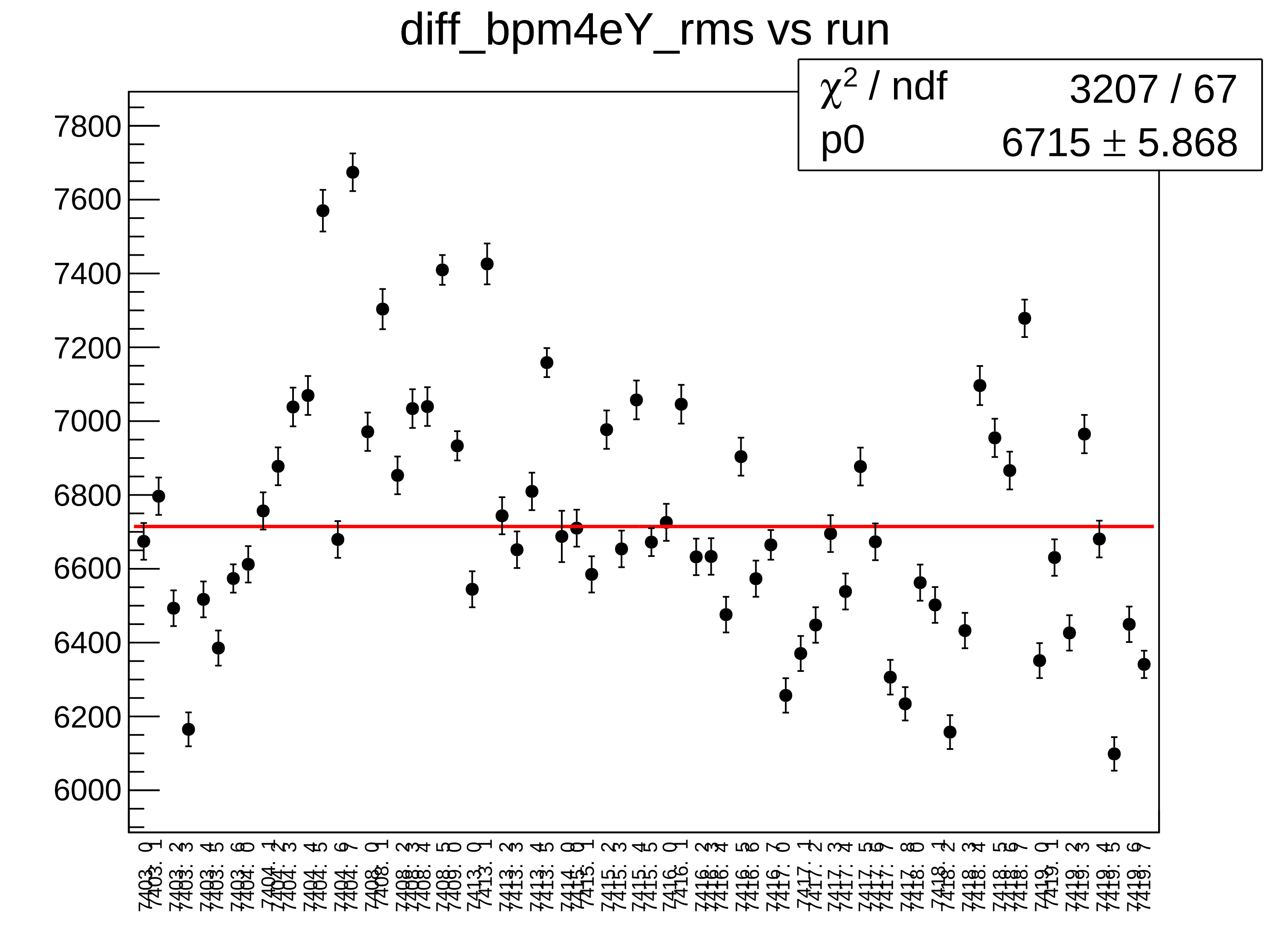
diff_bpm4aY_rms vs run
χ^2 / ndf 2465 / 67
p0 6933 ± 6.057
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000

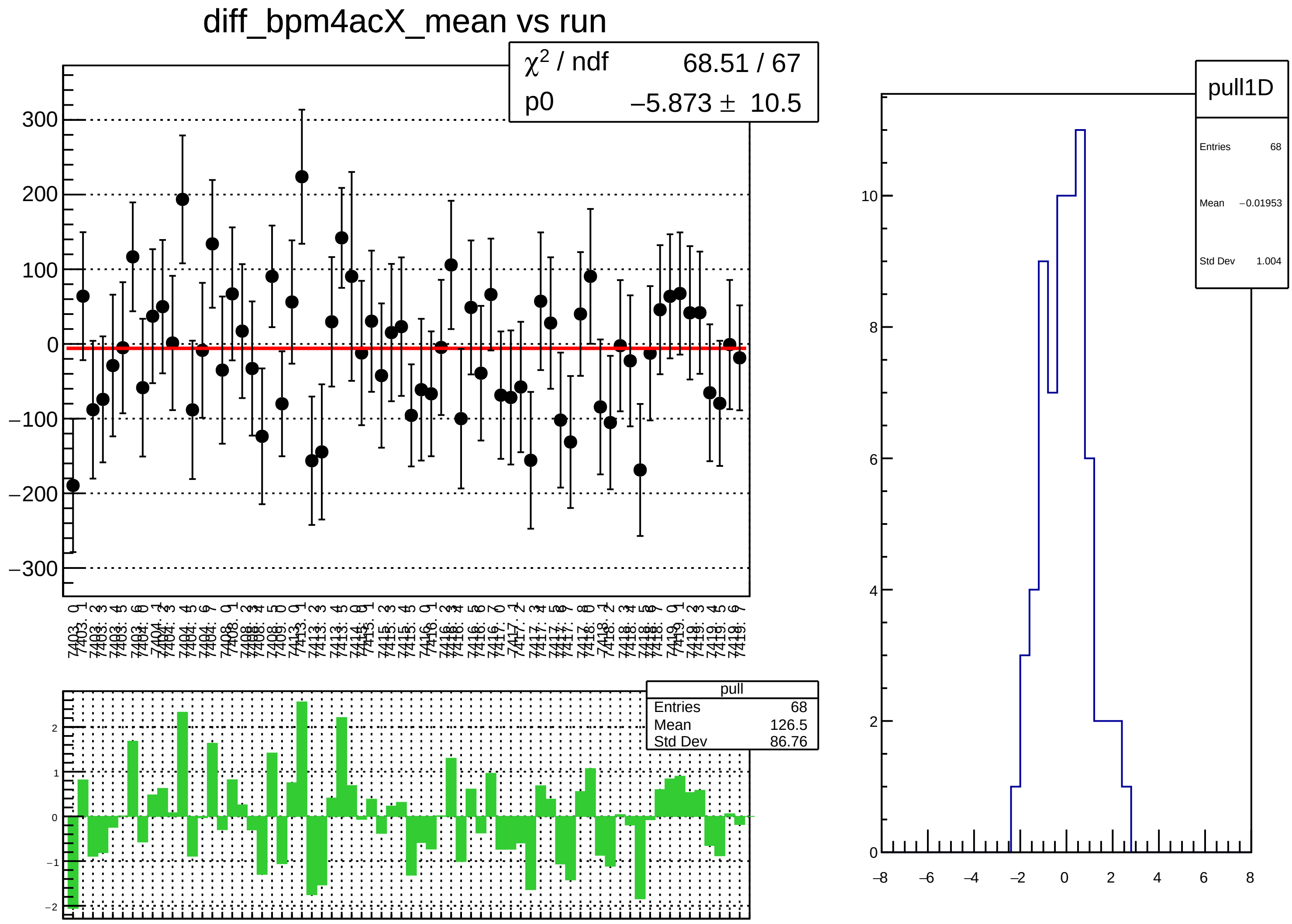

diff_bpm4eX_mean vs run
χ^2 / ndf 67.38 / 67
p0 −6.808 ± 9.748
pull
Entries 68
Mean 128.7
Std Dev 91.11
pull1D
Entries 68
Mean −0.02377
Std Dev 0.9951

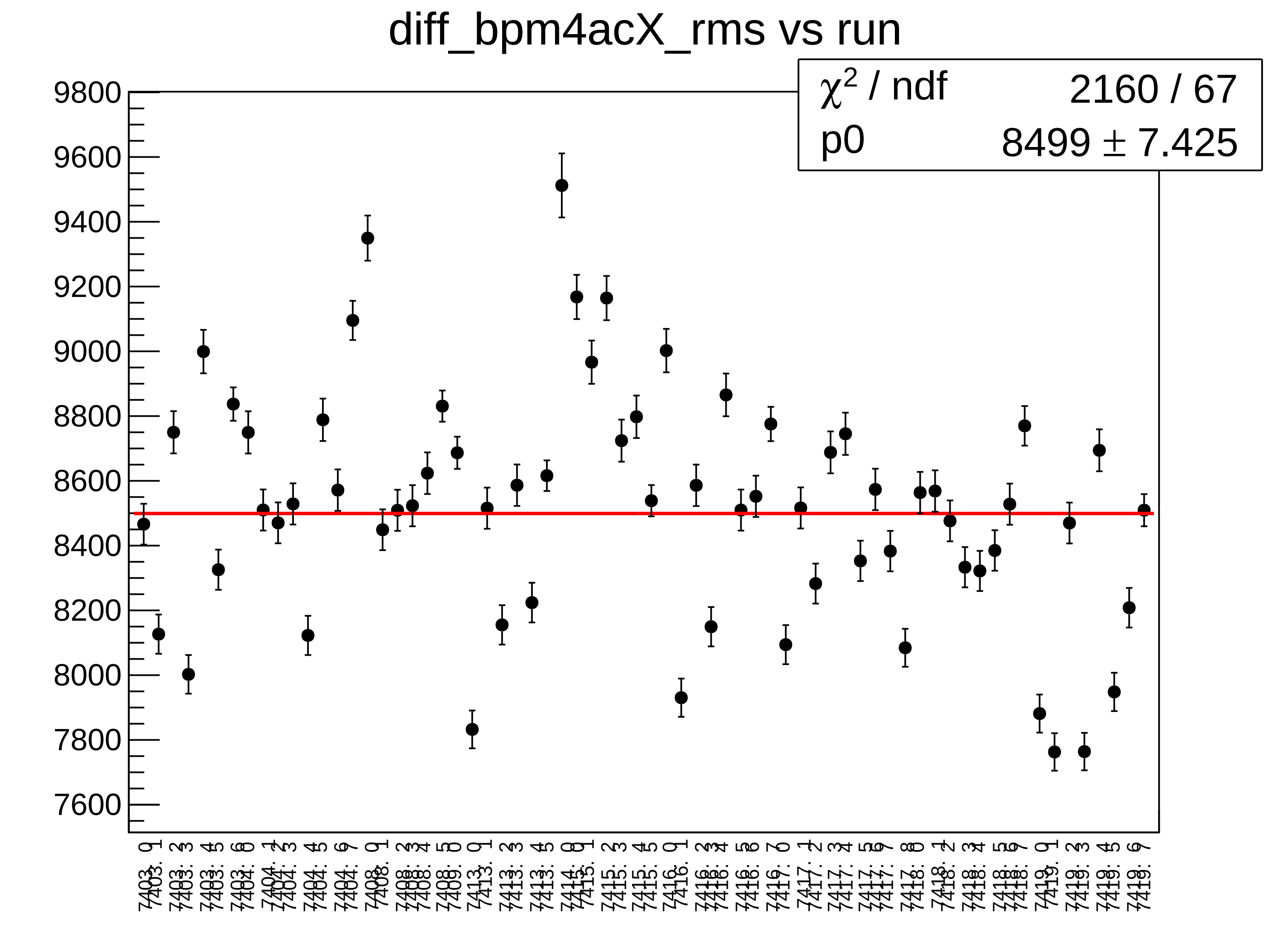

diff_bpm4eX_rms vs run
χ^2 / ndf 2084 / 67
p0 7890 ± 6.893
9000
8500
8000
7500
7000

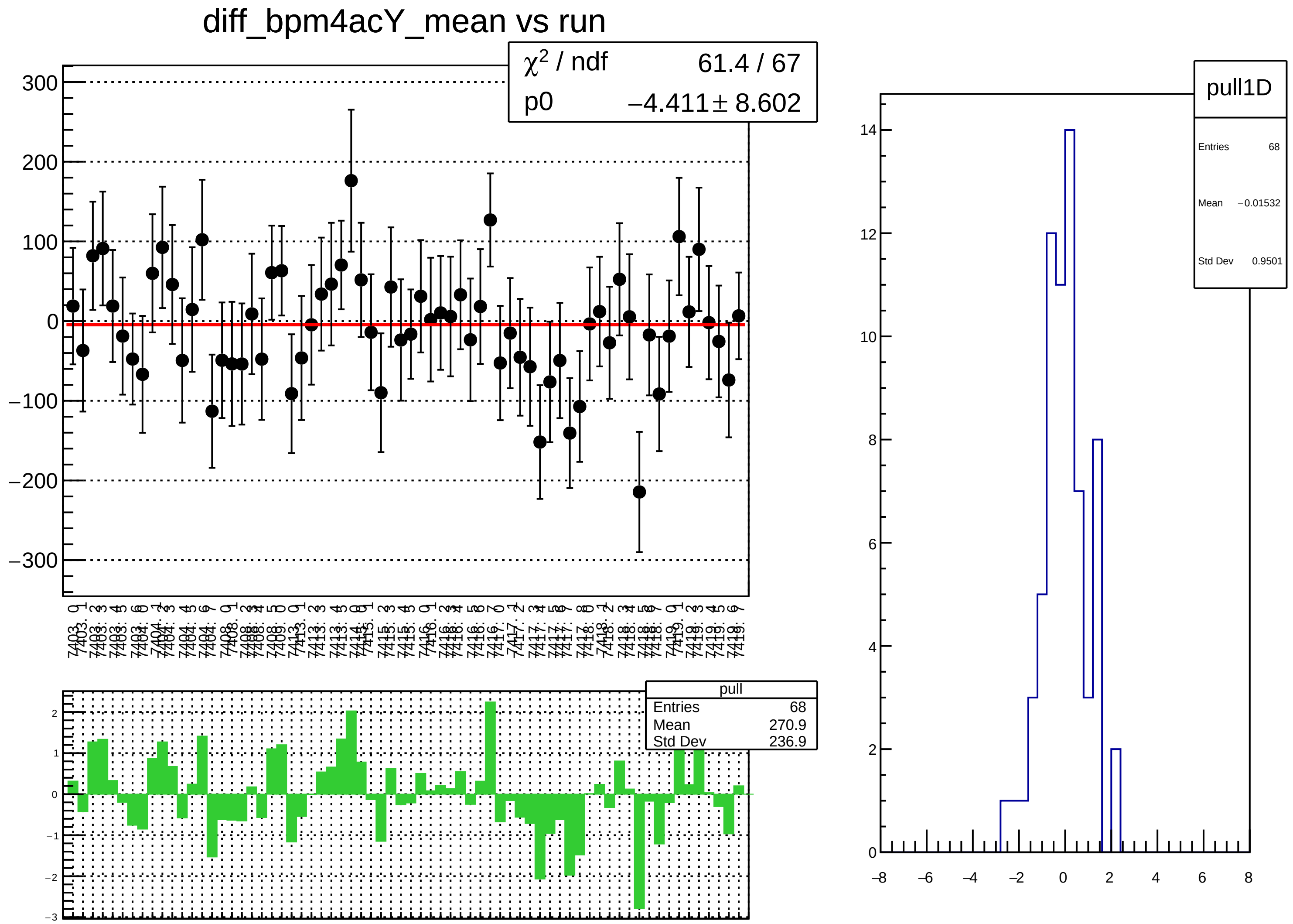


diff_bpm4eY_mean vs run
χ^2 / ndf 53.42 / 67
p0 −1.919 ± 8.299
pull
Entries 68
Mean 246.3
Std Dev 214
pull1D
Entries 68
Mean −0.007761
Std Dev 0.8863

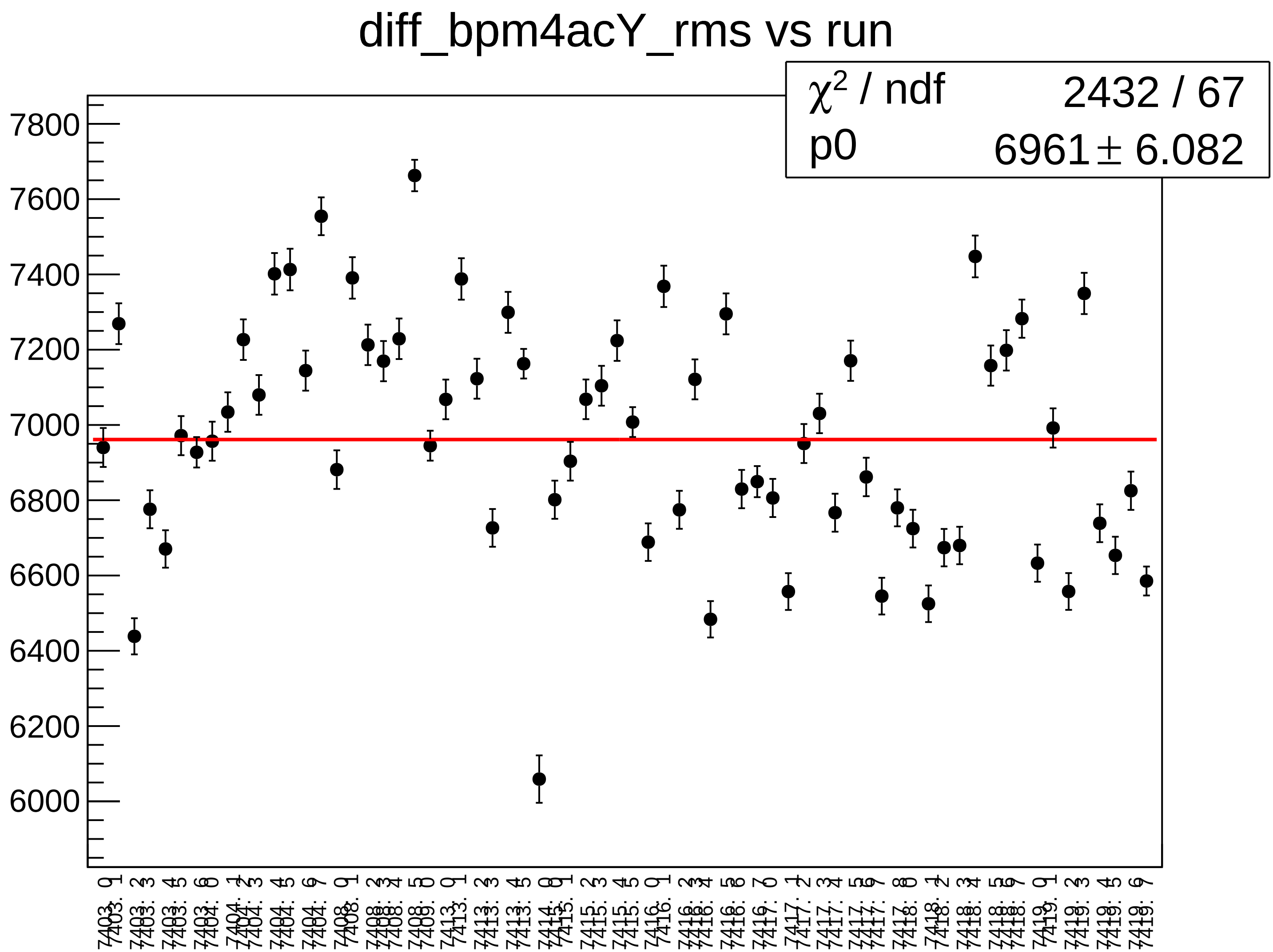



diff_bpm4acX_mean vs run
χ^2 / ndf 68.51 / 67
p0 −5.873 ± 10.5
pull
Entries 68
Mean 126.5
Std Dev 86.76
pull1D
Entries 68
Mean −0.01953
Std Dev 1.004

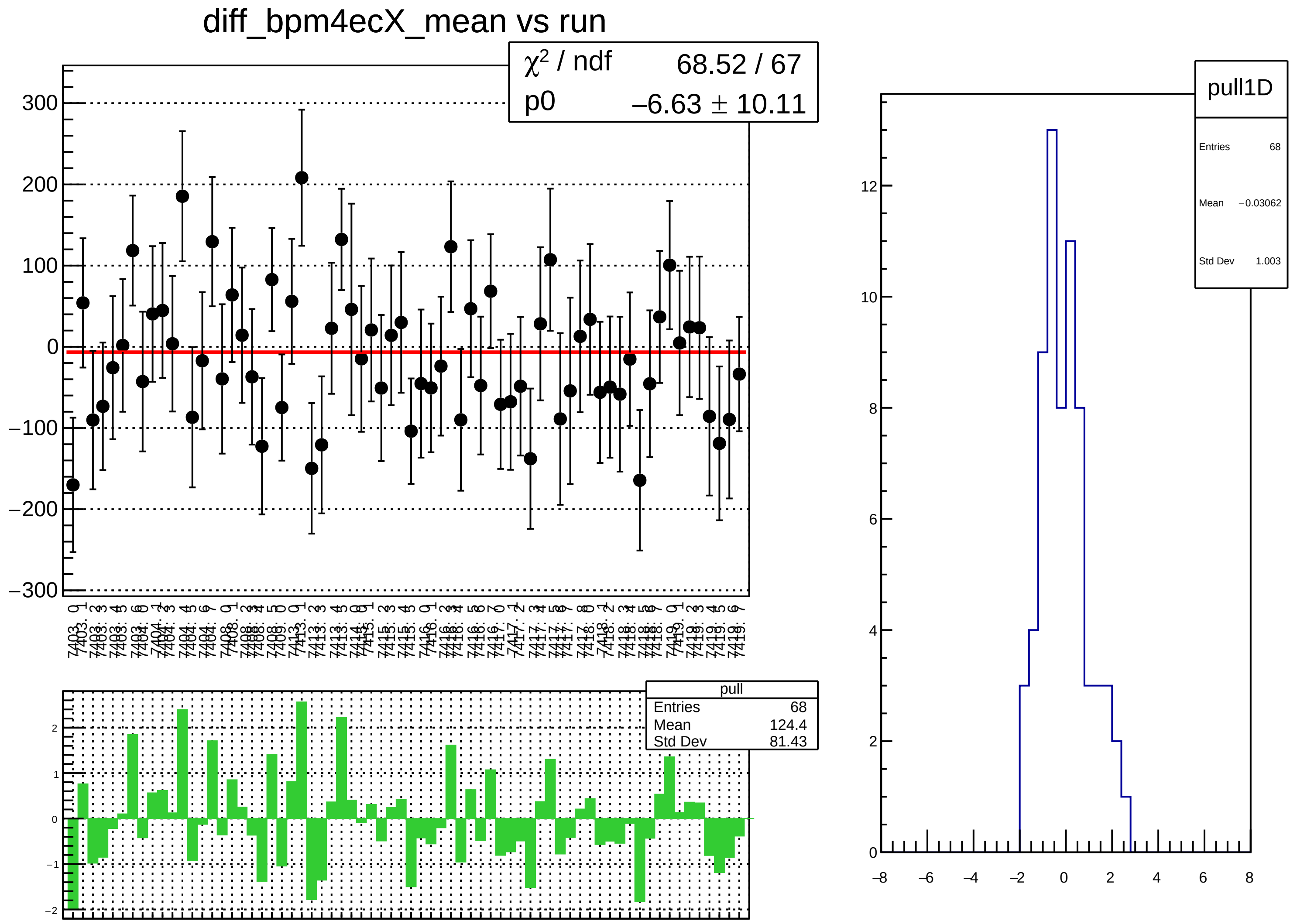

diff_bpm4acX_rms vs run
χ^2 / ndf 2160 / 67
p0 8499 ± 7.425
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600



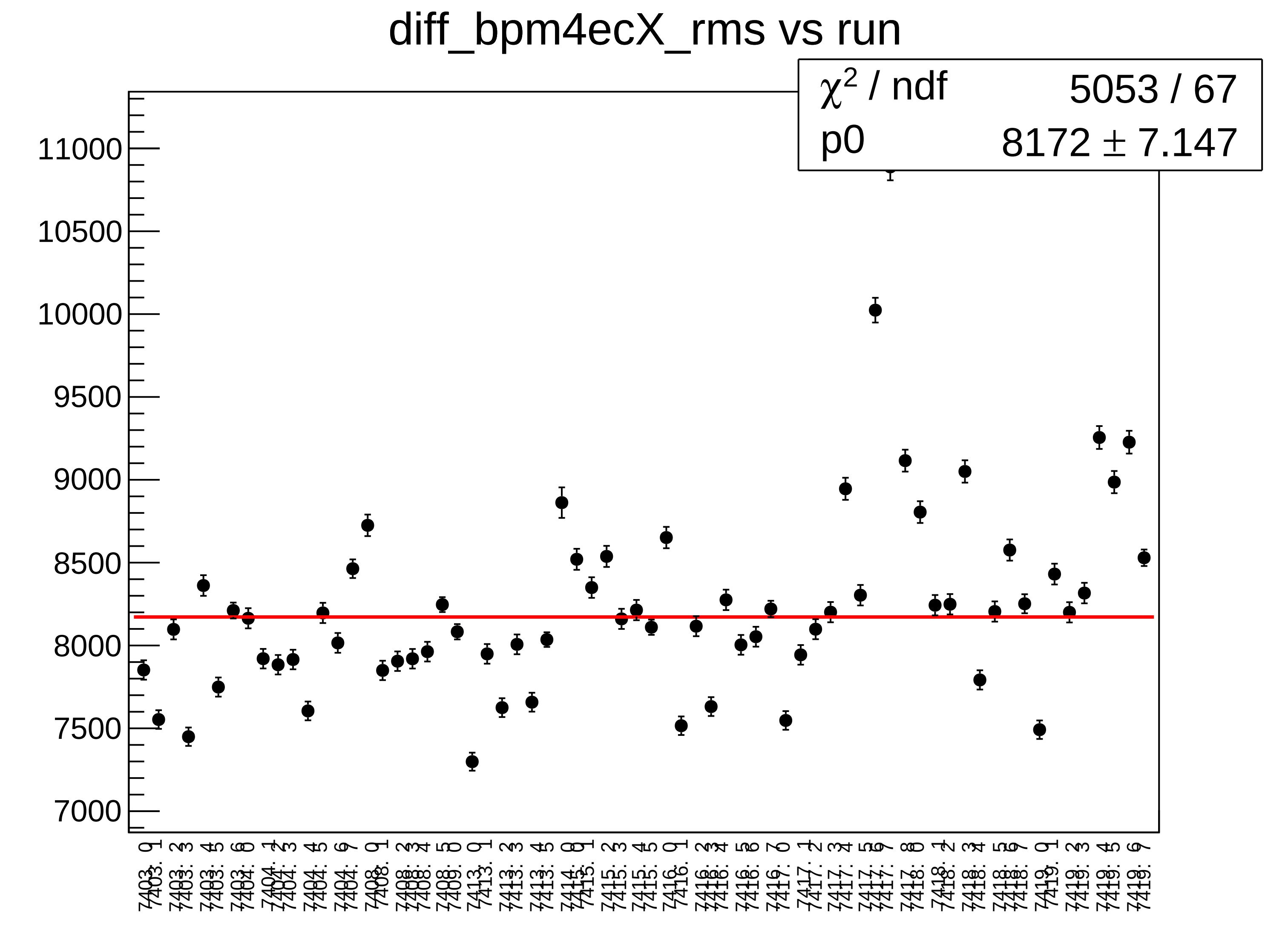
diff_bpm4acY_mean vs run
χ2 / ndf 61.4 / 67
p0 −4.411 ± 8.602
pull
Entries 68
Mean 270.9
Std Dev 236.9
pull1D
Entries 68
Mean −0.01532
Std Dev 0.9501

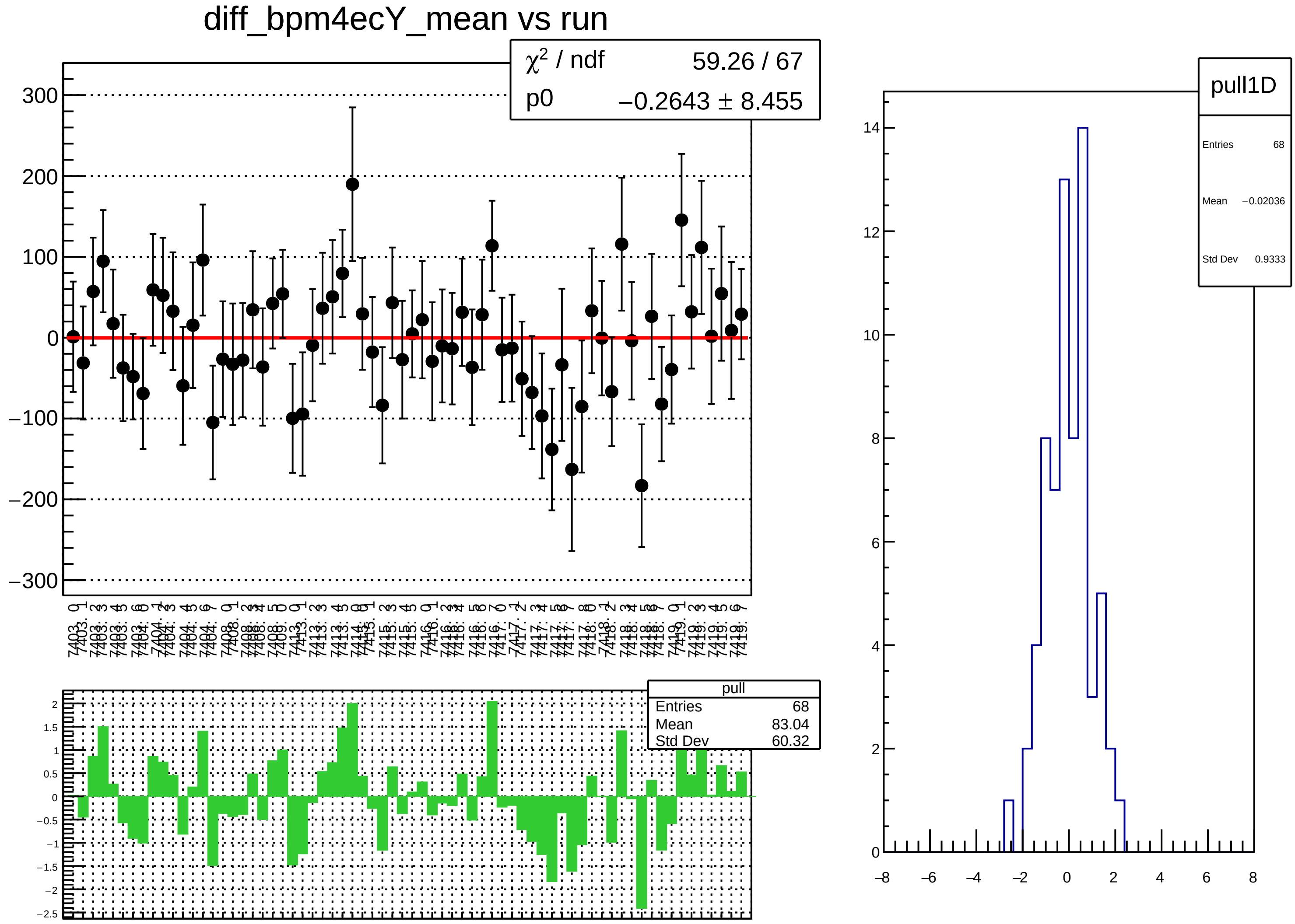


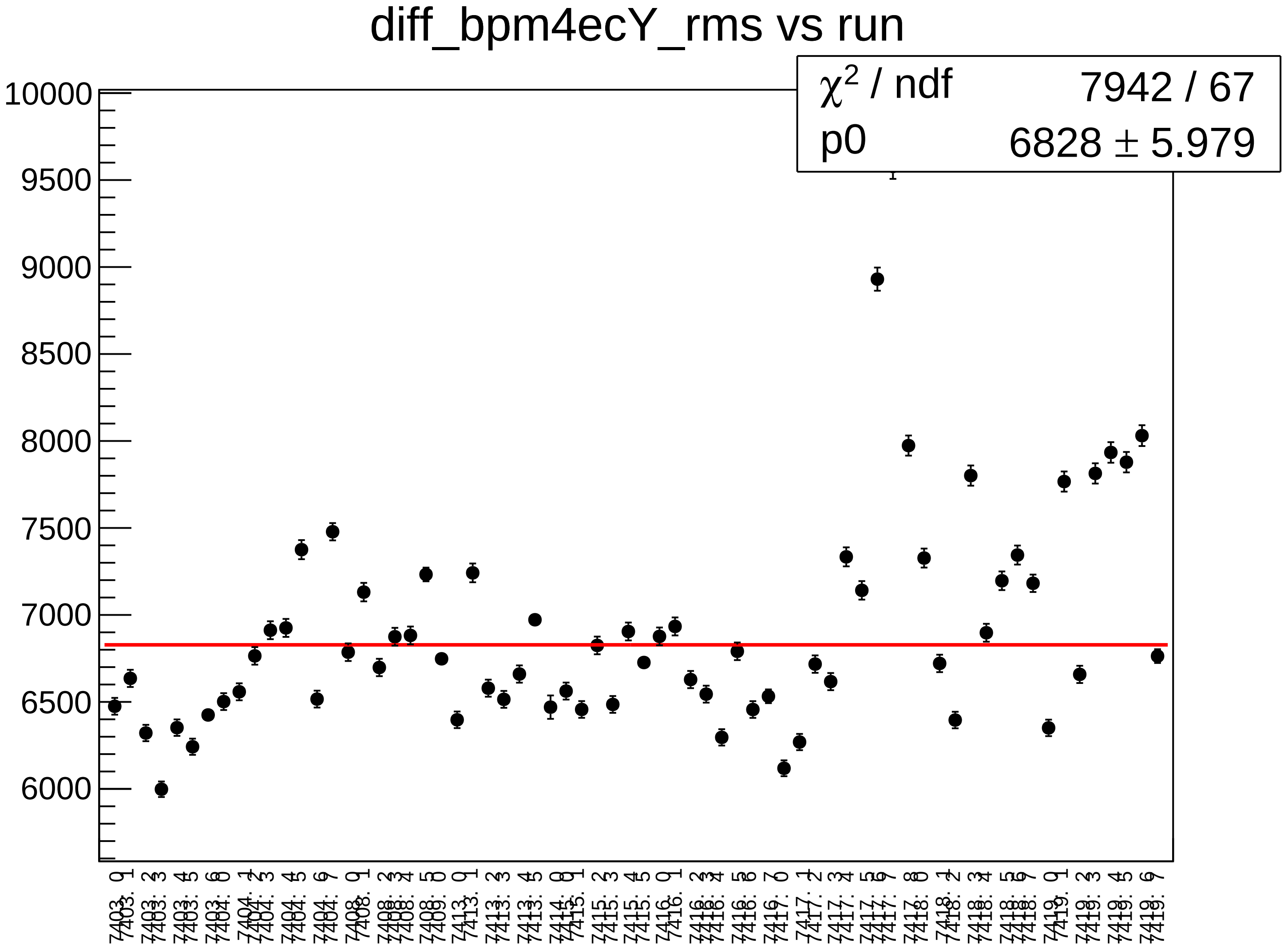
diff_bpm4acY_rms vs run
χ^2 / ndf 2432 / 67
p0 6961 ± 6.082



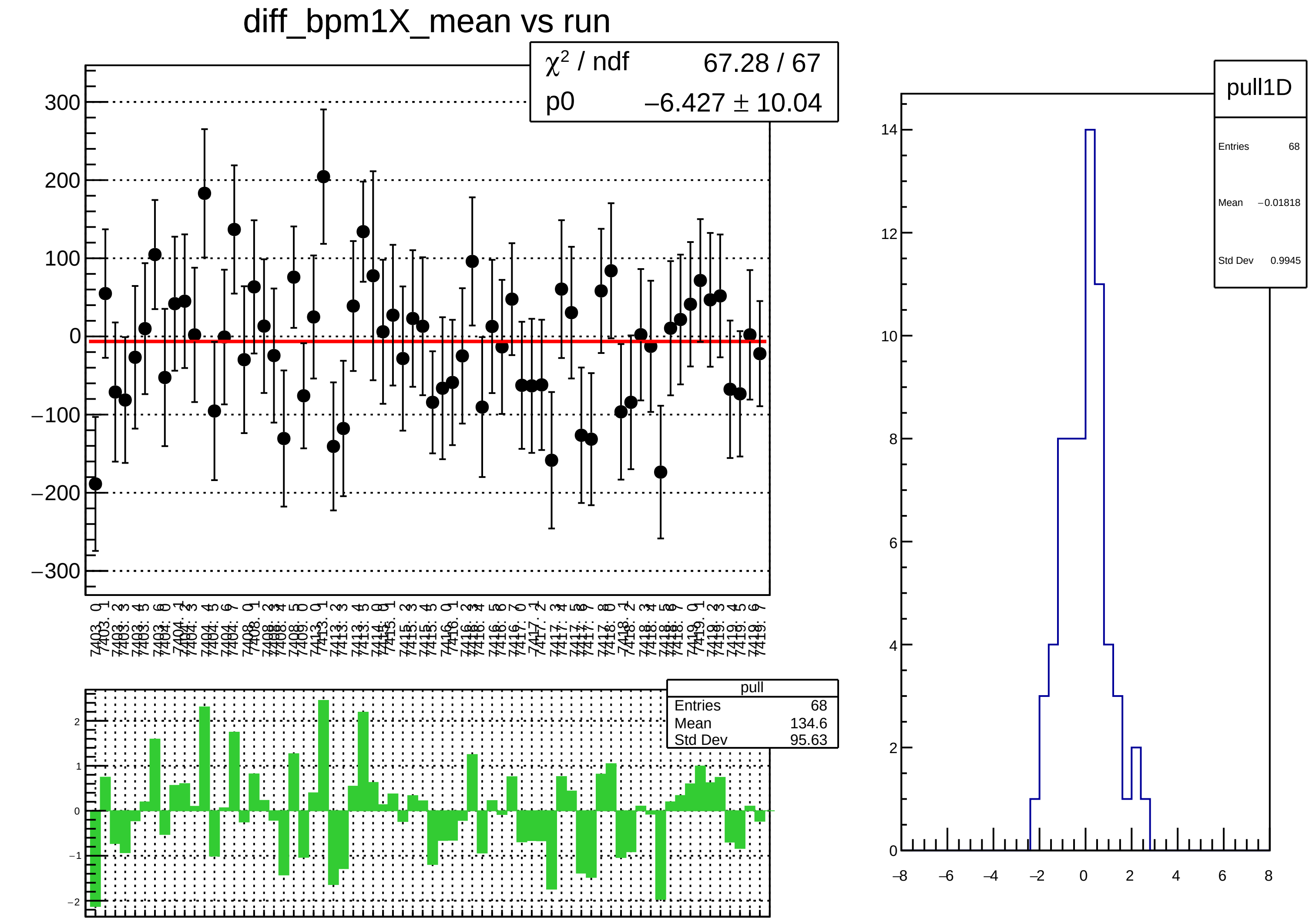
diff_bpm4ecX_mean vs run
χ^2 / ndf 68.52 / 67
p0 −6.63 ± 10.11
pull
Entries 68
Mean 124.4
Std Dev 81.43
pull1D
Entries 68
Mean −0.03062
Std Dev 1.003

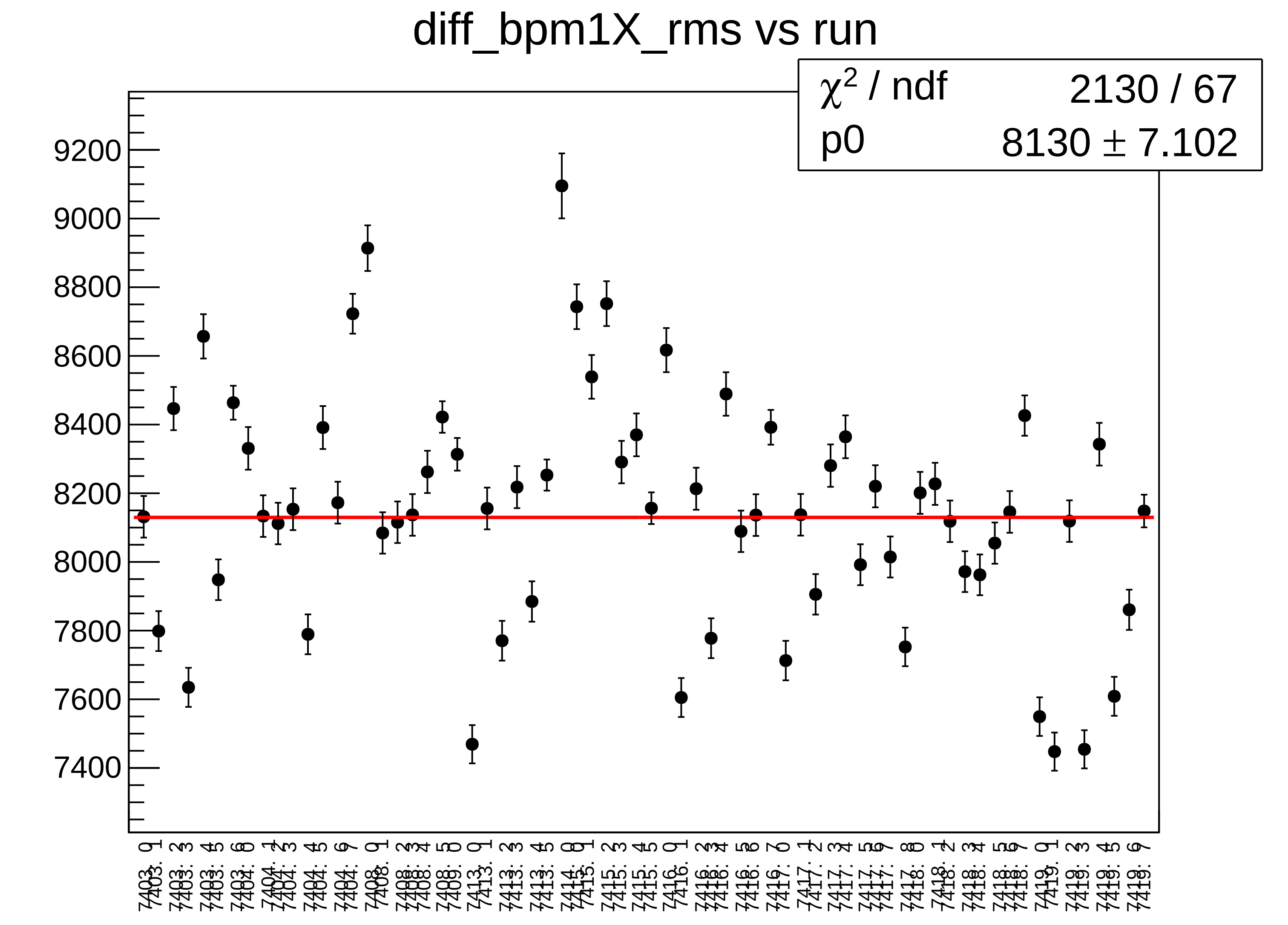

diff_bpm4ecX_rms vs run
χ^2 / ndf 5053 / 67
p0 8172 ± 7.147
11000
10500
10000
9500
9000
8500
8000
7500
7000

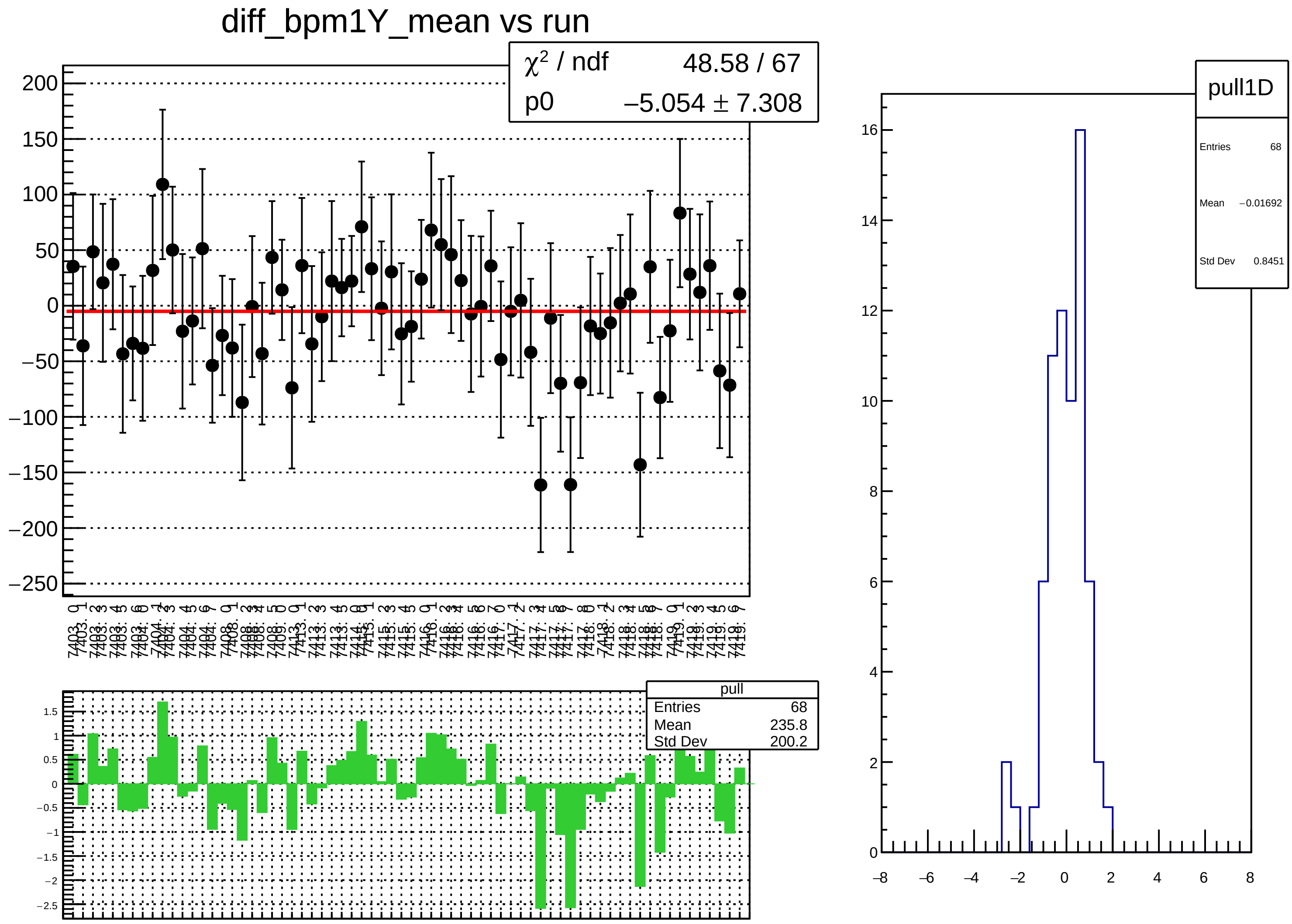

diff_bpm4ecY_mean vs run
χ^2 / ndf 59.26 / 67
p0 −0.2643 ± 8.455
pull
Entries 68
Mean 83.04
Std Dev 60.32
pull1D
Entries 68
Mean −0.02036
Std Dev 0.9333



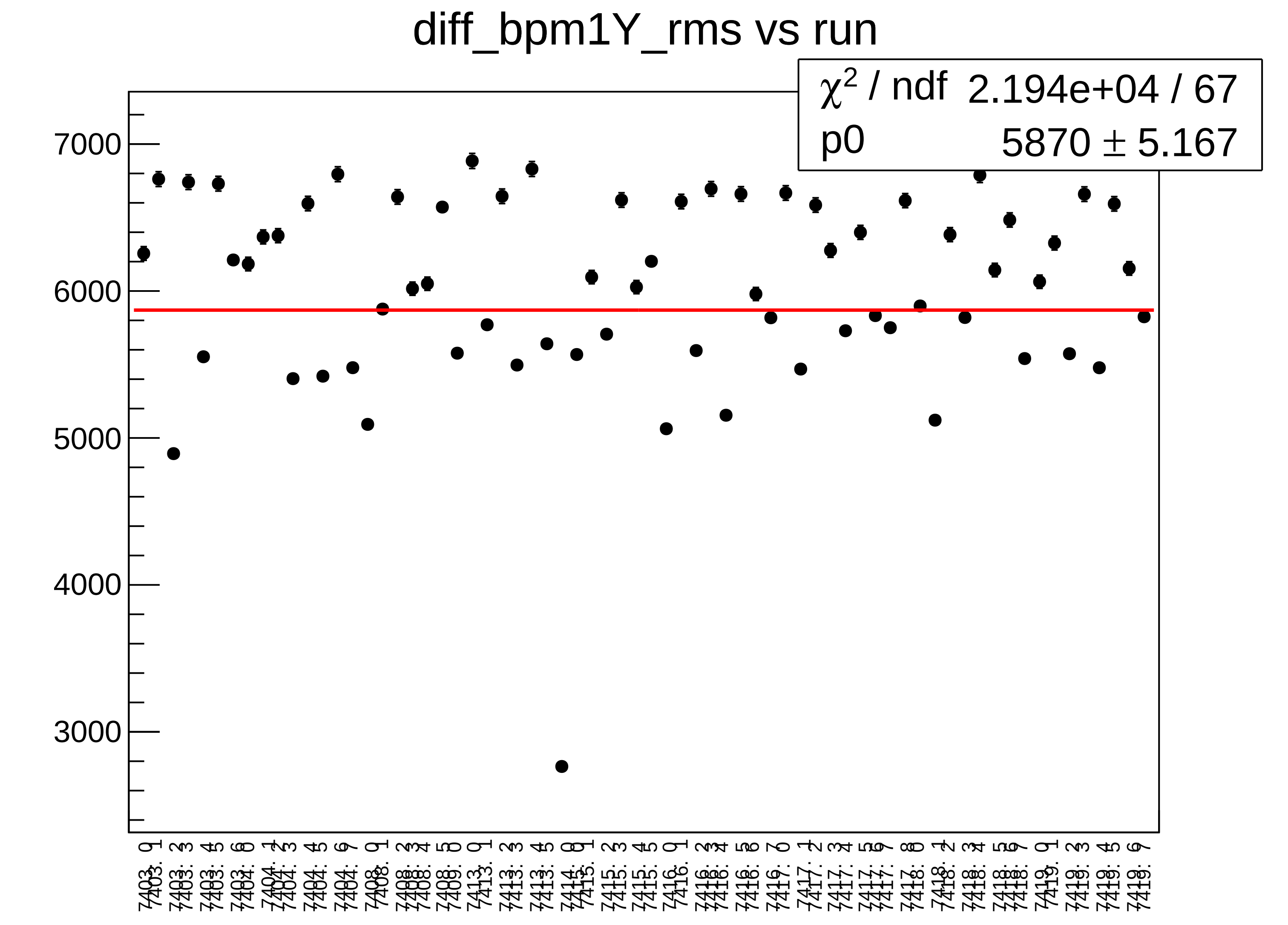
diff_bpm4ecY_rms vs run
χ^2 / ndf 7942 / 67
p0 6828 ± 5.979
10000
9500
9000
8500
8000
7500
7000
6500
6000


diff_bpm1X_mean vs run
χ2 / ndf 67.28 / 67
p0 −6.427 ± 10.04
pull
Entries 68
Mean 134.6
Std Dev 95.63
pull1D
Entries 68
Mean −0.01818
Std Dev 0.9945

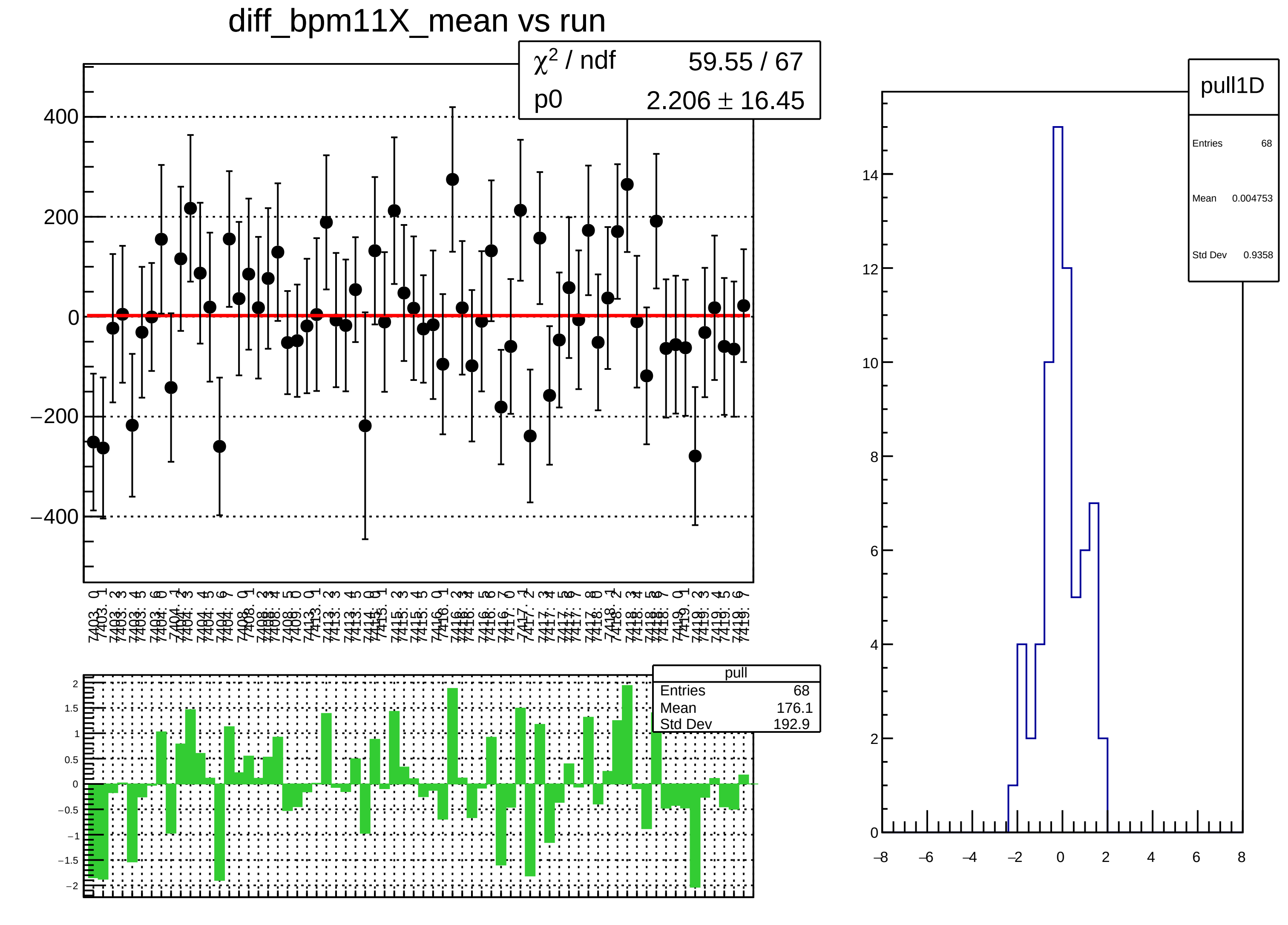

diff_bpm1X_rms vs run
χ^2 / ndf 2130 / 67
p0 8130 ± 7.102
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400

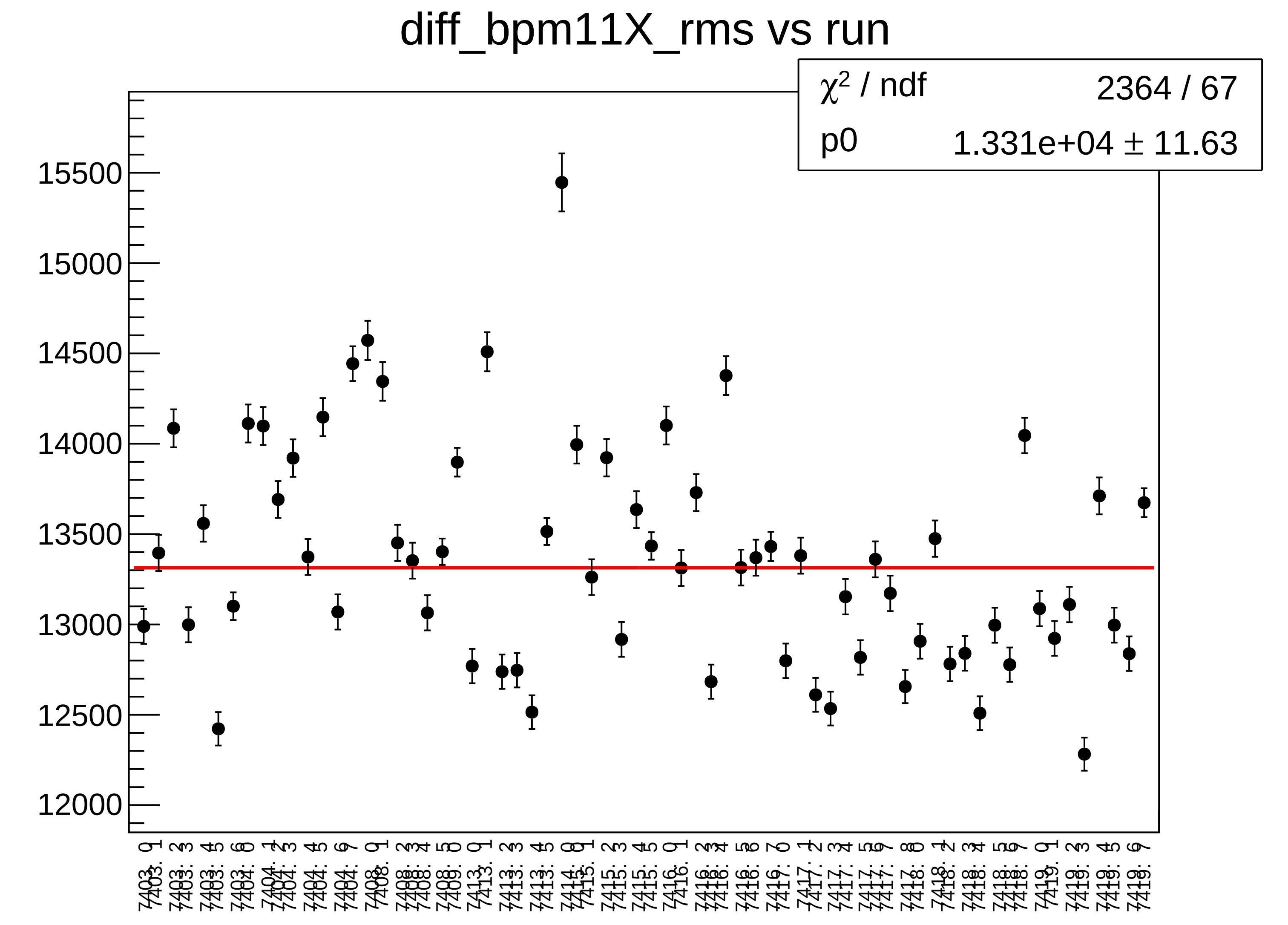


diff_bpm1Y_mean vs run
χ^2 / ndf 48.58 / 67
p0 −5.054 ± 7.308
pull
Entries 68
Mean 235.8
Std Dev 200.2
pull1D
Entries 68
Mean −0.01692
Std Dev 0.8451



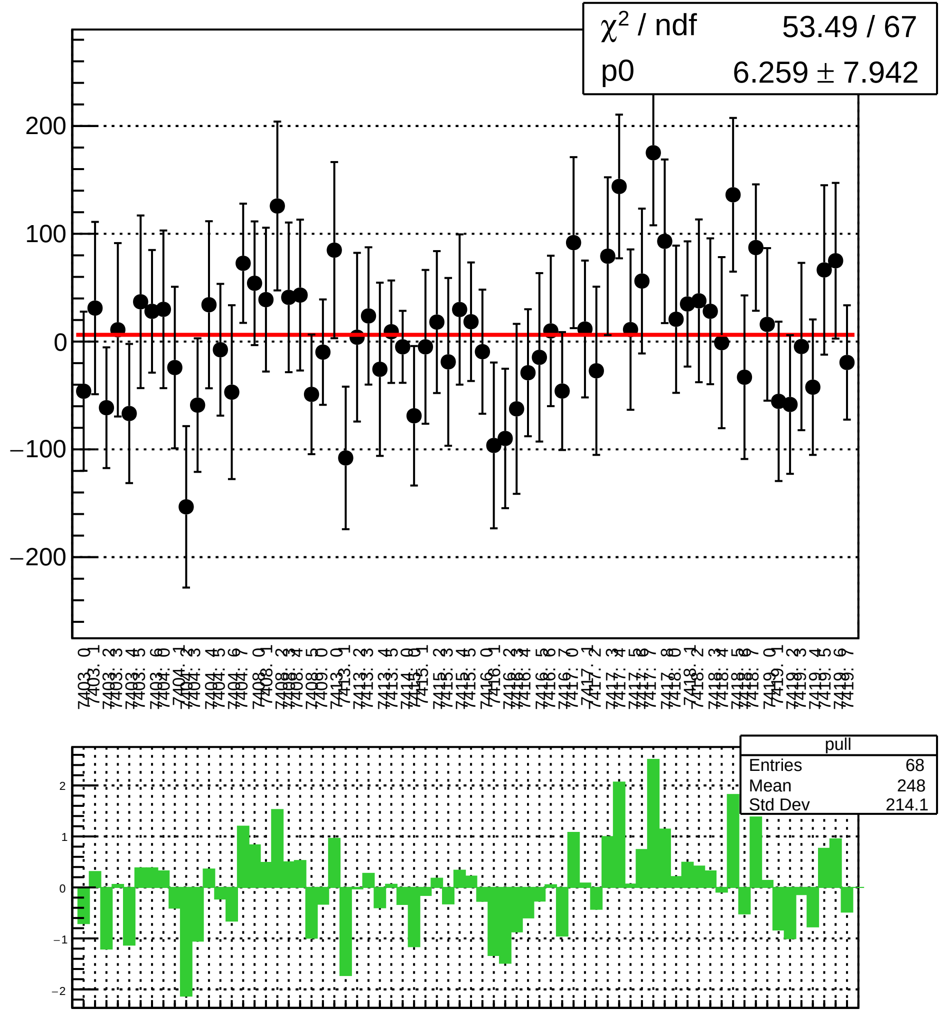
diff_bpm1Y_rms vs run
χ^2 / ndf 2.194e+04 / 67
p0 5870 ± 5.167
7000
6000
5000
4000
3000

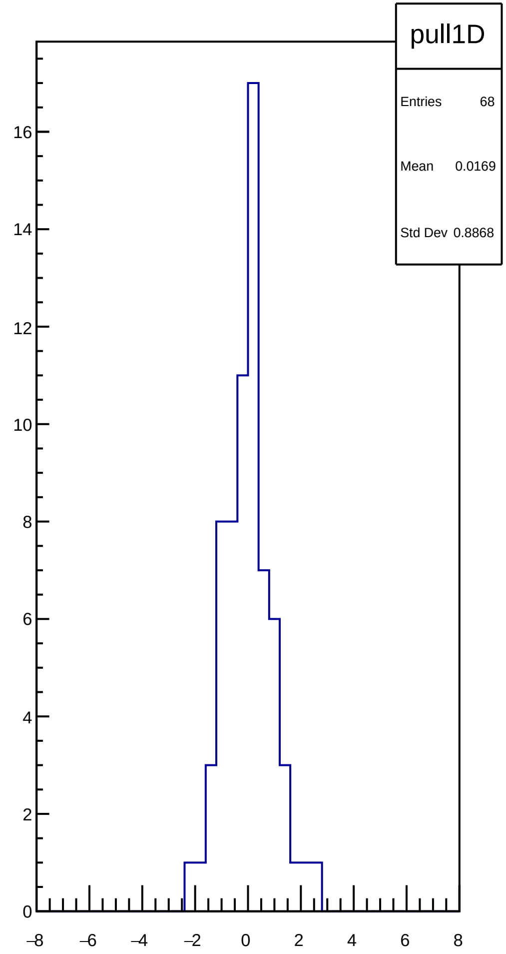

diff_bpm11X_mean vs run
χ2 / ndf 59.55 / 67
p0 2.206 ± 16.45
400
200
0
−200
−400
pull
Entries 68
Mean 176.1
Std Dev 192.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean 0.004753
Std Dev 0.9358
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

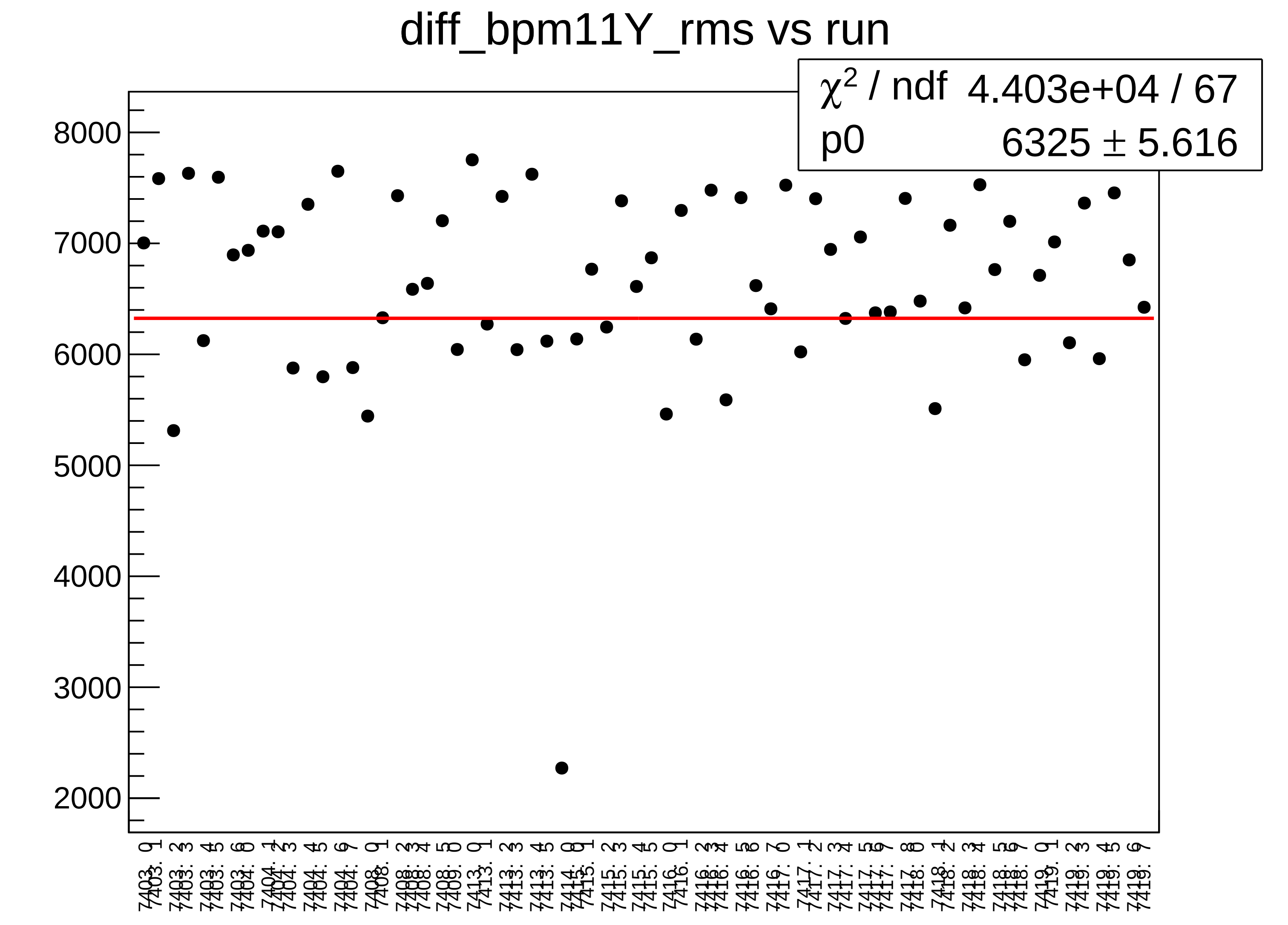


diff_bpm11X_rms vs run
χ2 / ndf 2364 / 67
p0 1.331e+04 ± 11.63
15500
15000
14500
14000
13500
13000
12500
12000

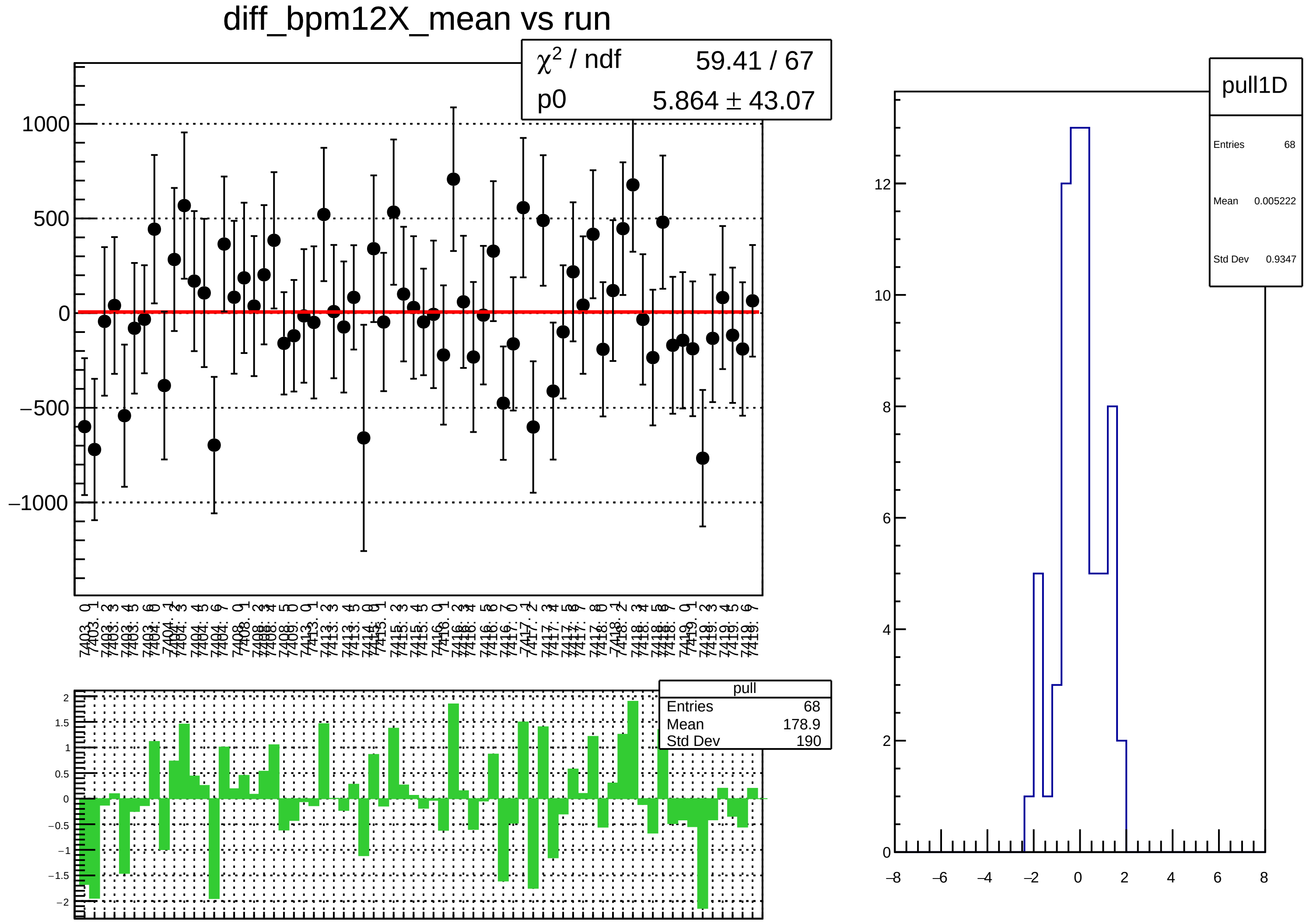
diff_bpm11Y_mean vs run

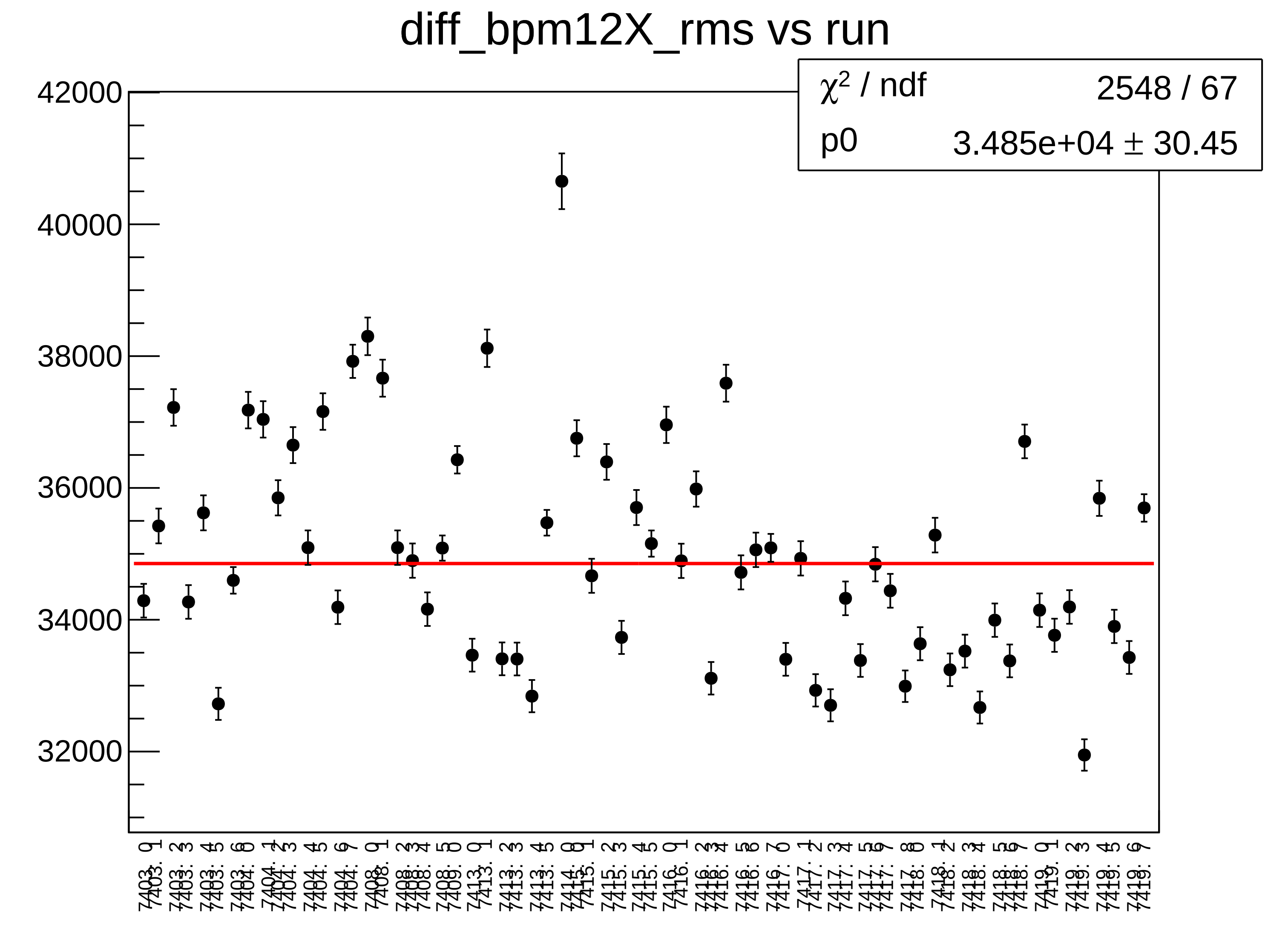


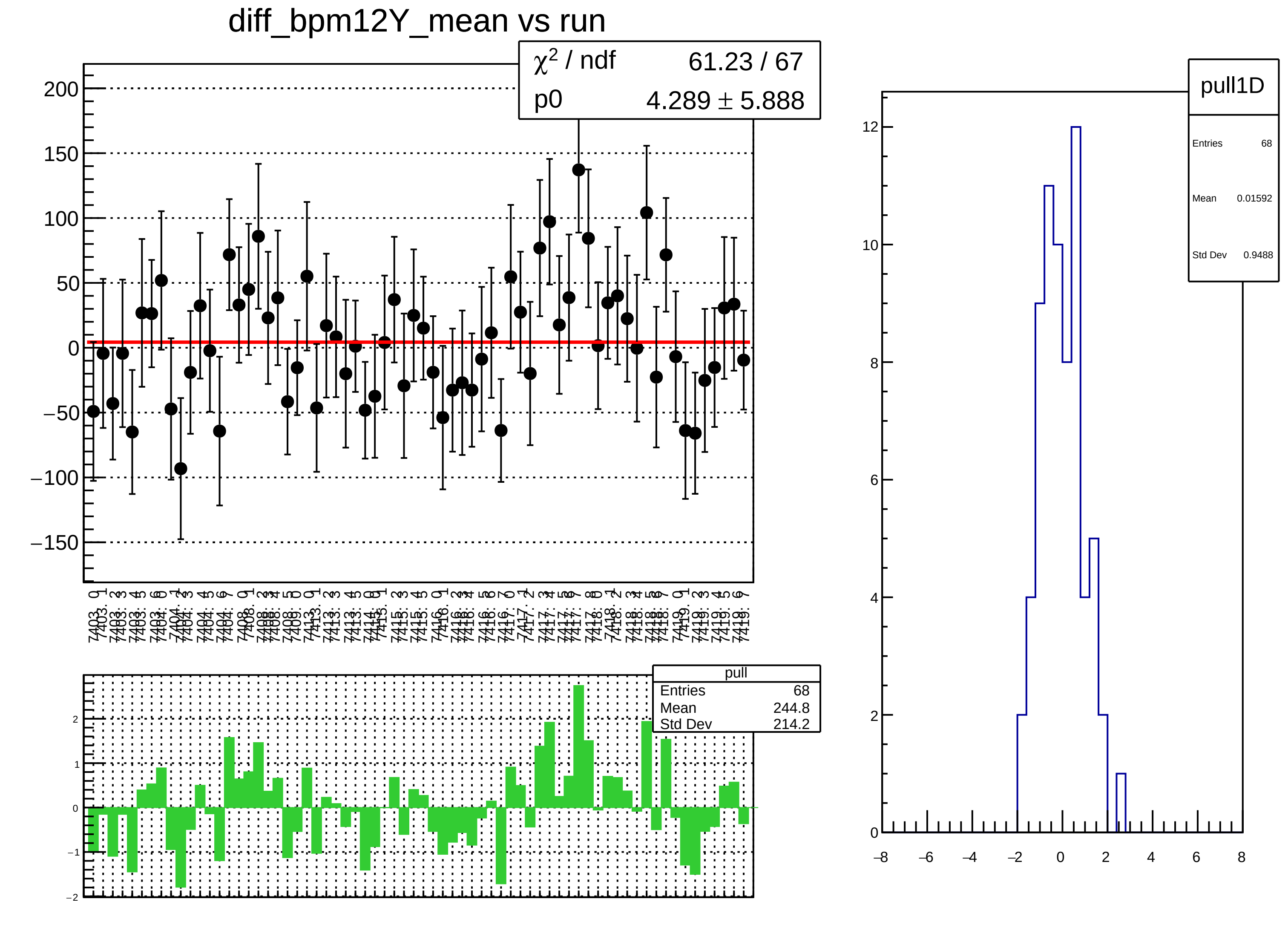




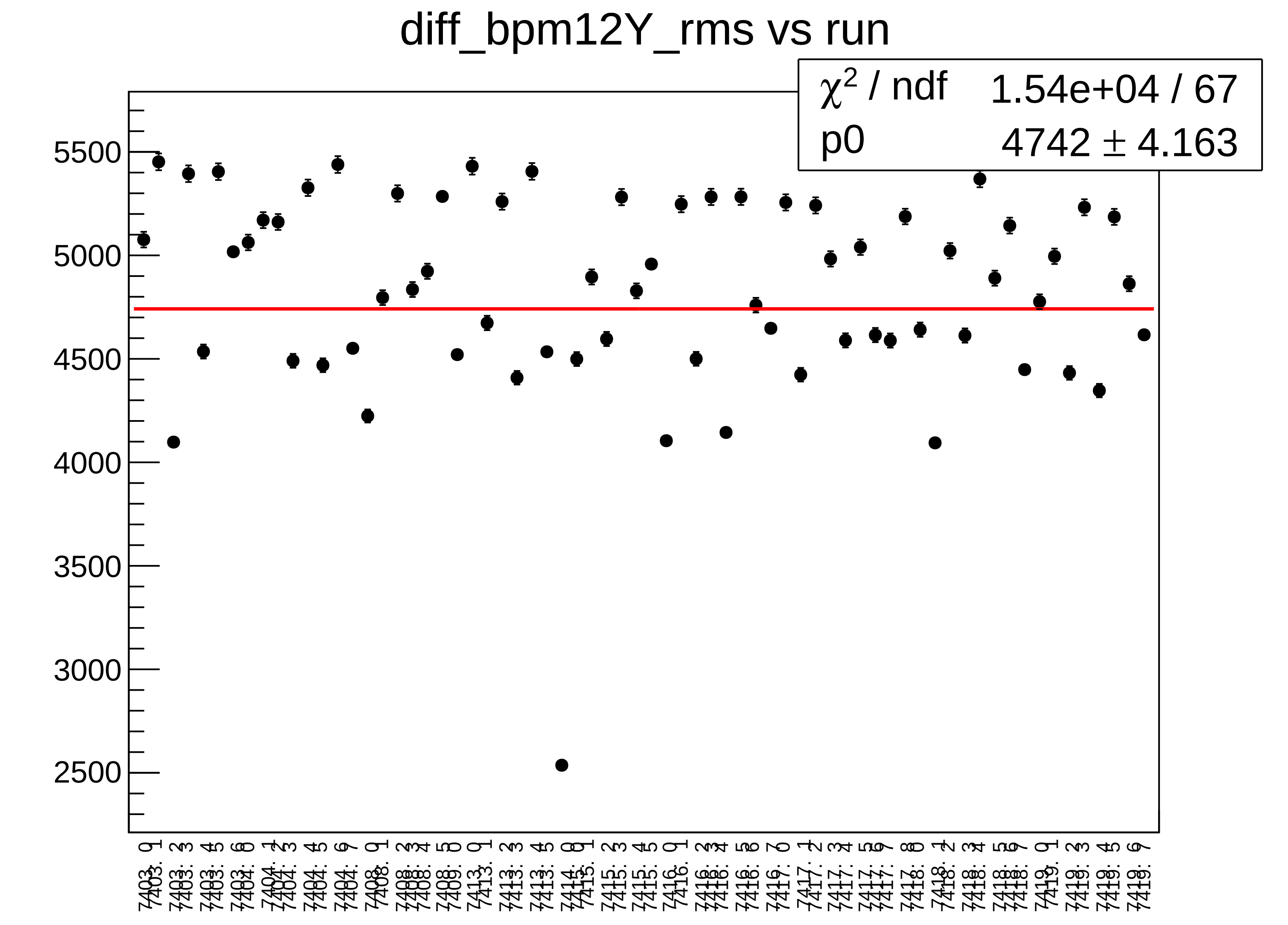
diff_bpm11Y_rms vs run
χ^2 / ndf 4.403e+04 / 67
p0 6325 ± 5.616
8000
7000
6000
5000
4000
3000
2000


diff_bpm12X_mean vs run
χ^2 / ndf 59.41 / 67
p0 5.864 ± 43.07
1000
500
0
−500
−1000
pull
Entries 68
Mean 178.9
Std Dev 190
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean 0.005222
Std Dev 0.9347
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

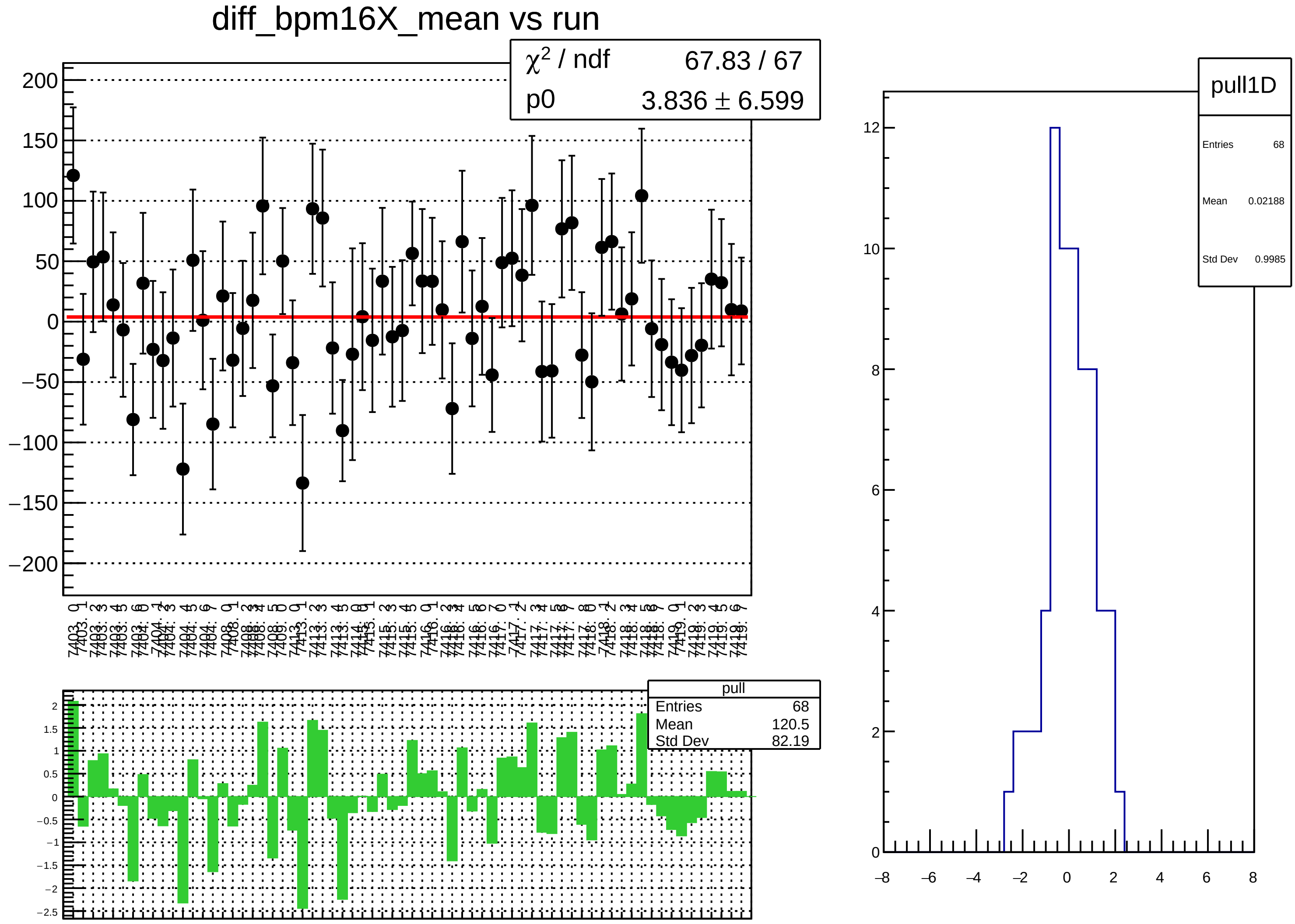

diff_bpm12X_rms vs run
χ2 / ndf 2548 / 67
p0 3.485e+04 ± 30.45
42000
40000
38000
36000
34000
32000



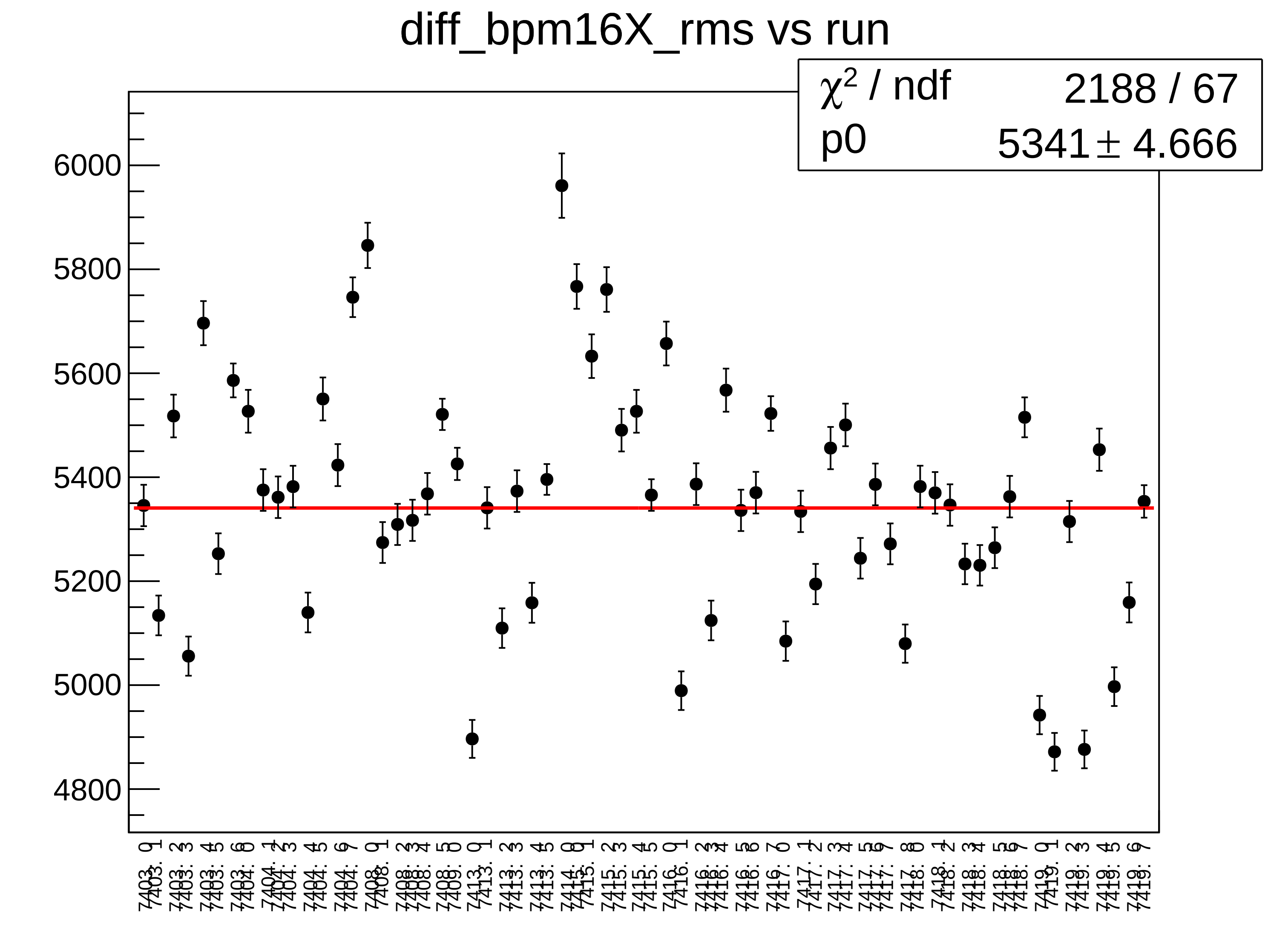
diff_bpm12Y_mean vs run
χ2 / ndf 61.23 / 67
p0 4.289 ± 5.888
pull
Entries 68
Mean 244.8
Std Dev 214.2
pull1D
Entries 68
Mean 0.01592
Std Dev 0.9488

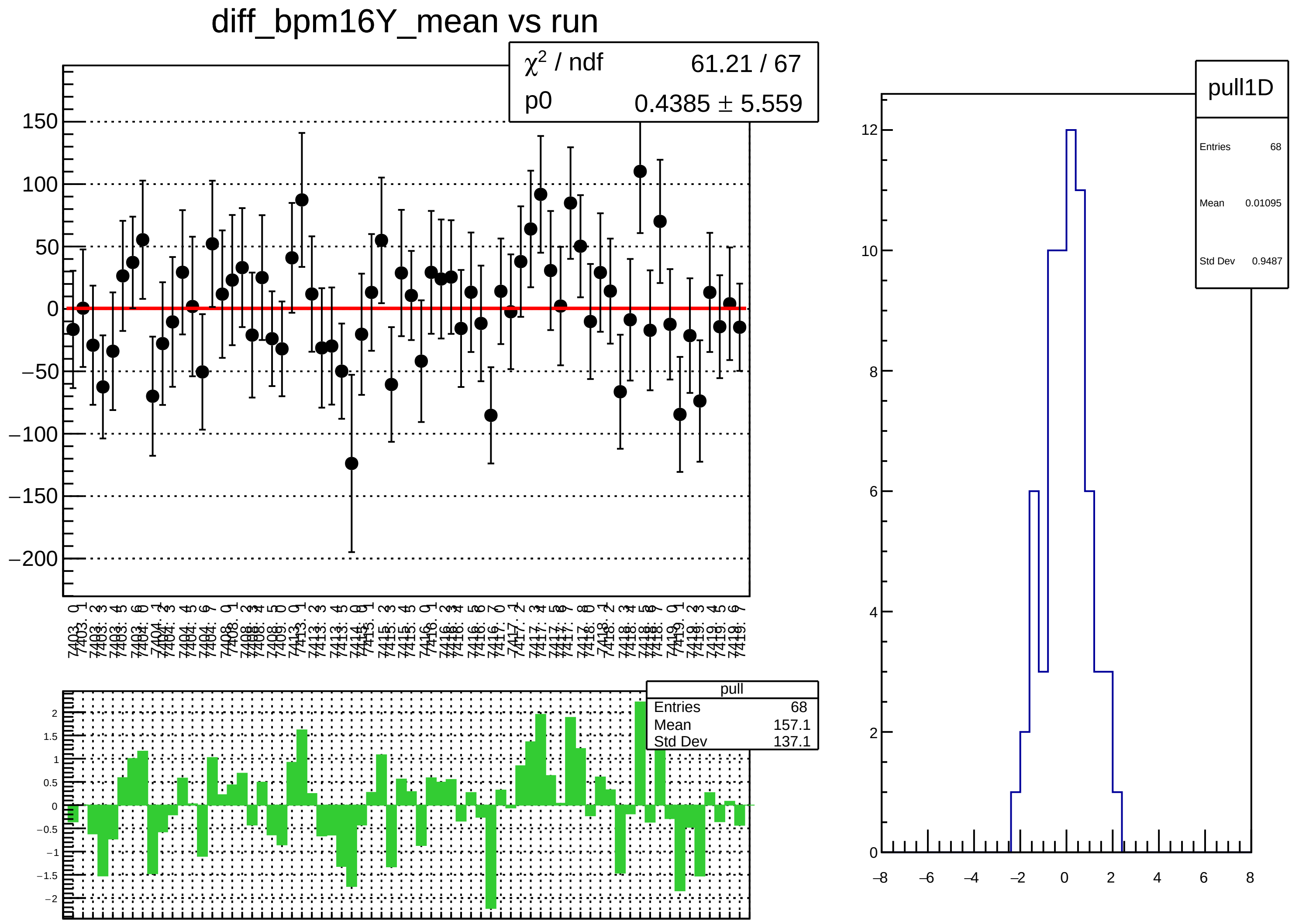


diff_bpm12Y_rms vs run
χ^2 / ndf 1.54e+04 / 67
p0 4742 ± 4.163
5500
5000
4500
4000
3500
3000
2500

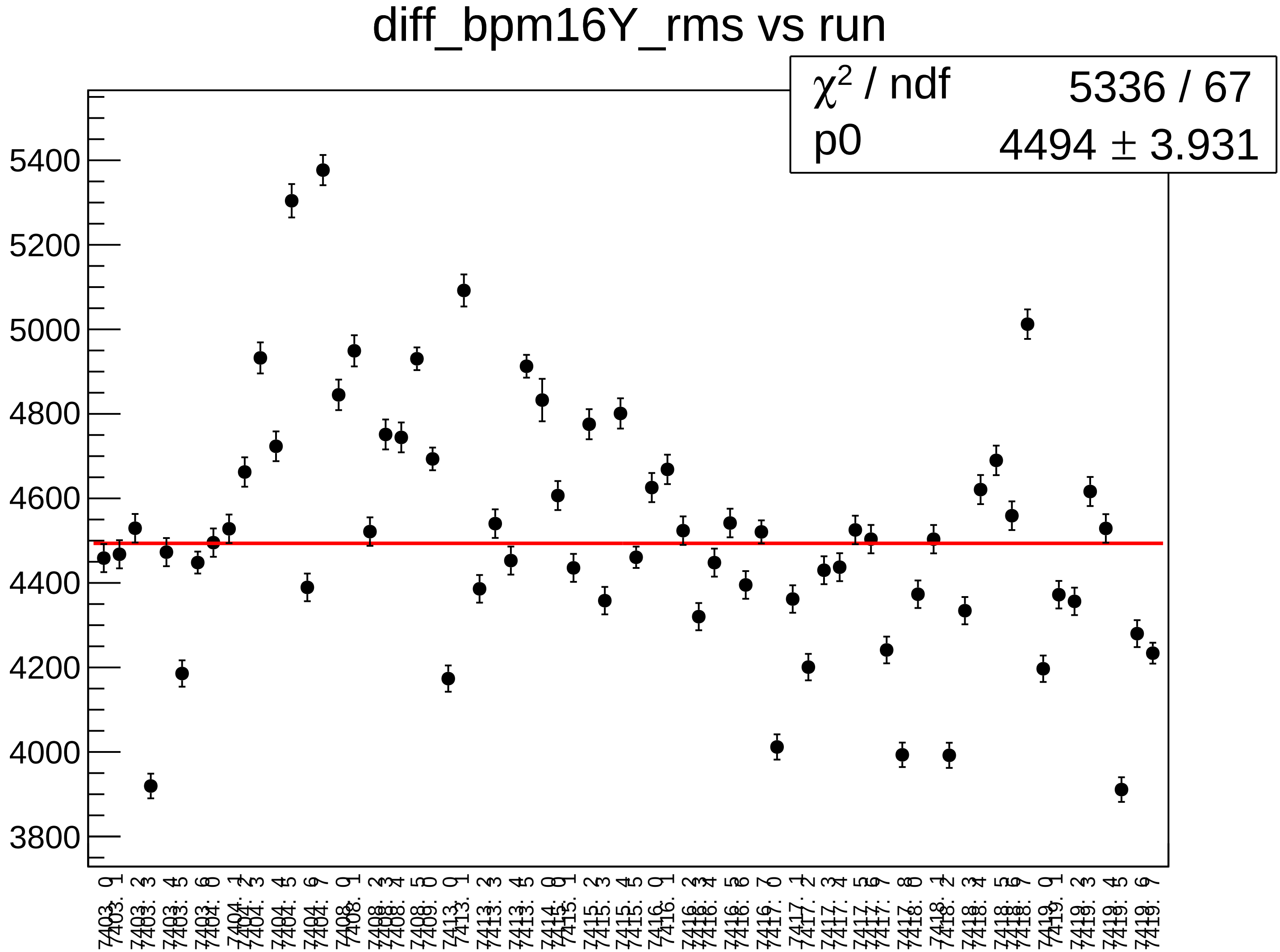


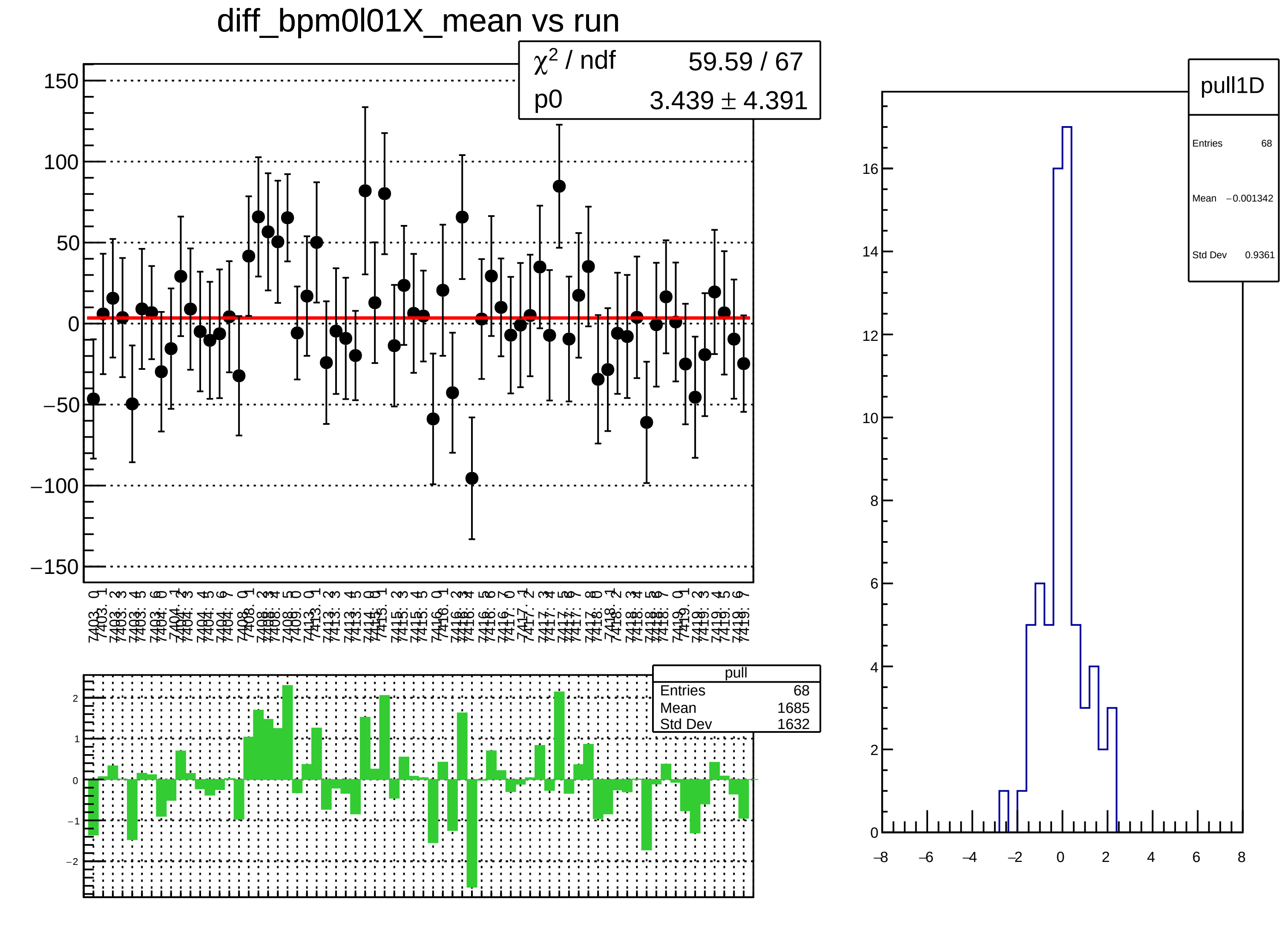
diff_bpm16X_mean vs run
χ2 / ndf 67.83 / 67
p0 3.836 ± 6.599
pull
Entries 68
Mean 120.5
Std Dev 82.19
pull1D
Entries 68
Mean 0.02188
Std Dev 0.9985


diff_bpm16X_rms vs run
χ2 / ndf 2188 / 67
p0 5341 ± 4.666
6000
5800
5600
5400
5200
5000
4800

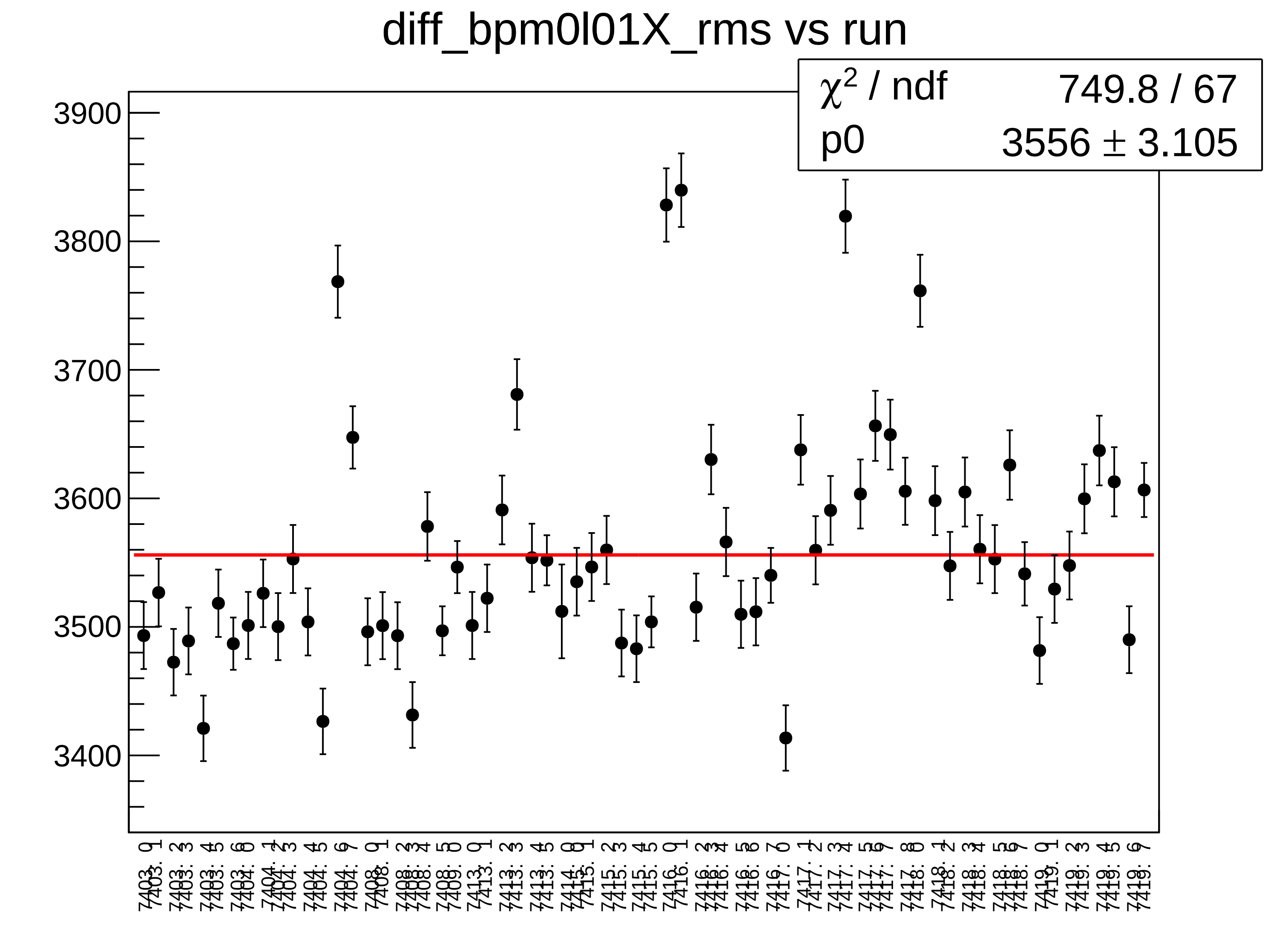


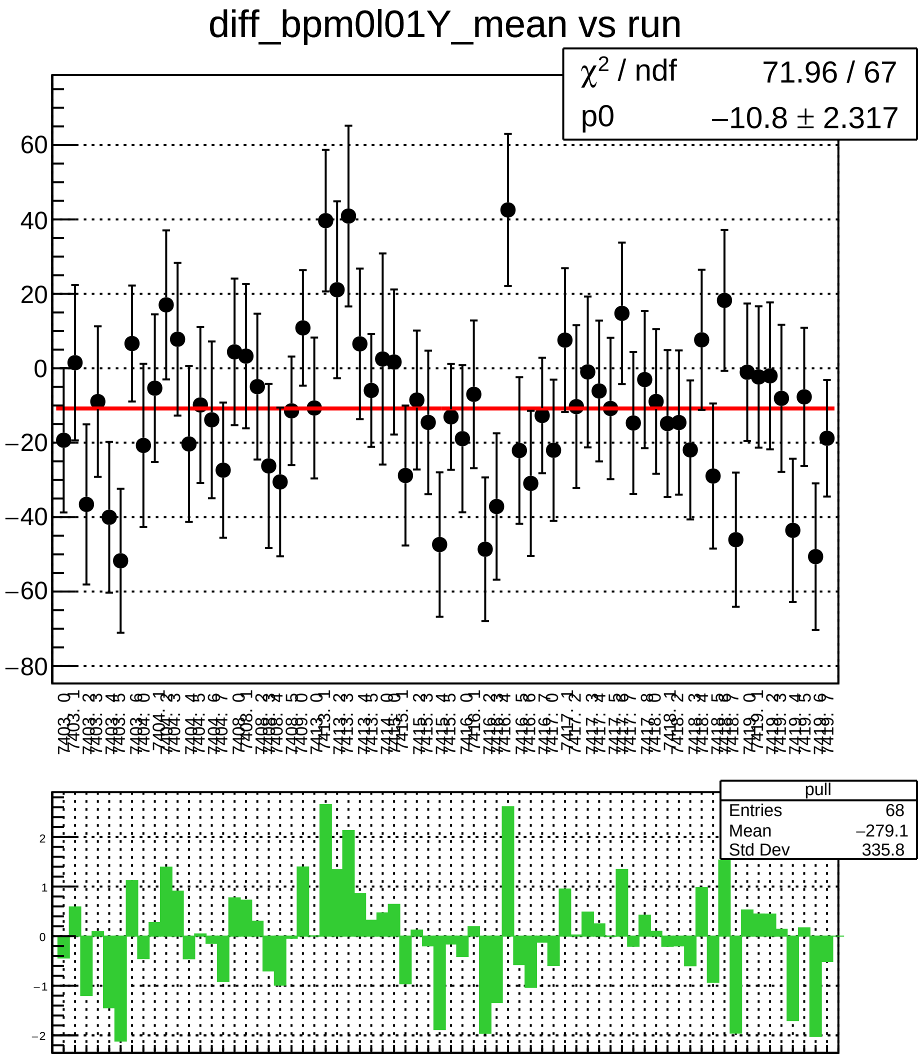
diff_bpm16Y_mean vs run
χ^2 / ndf 61.21 / 67
p0 0.4385 ± 5.559
pull
Entries 68
Mean 157.1
Std Dev 137.1
pull1D
Entries 68
Mean 0.01095
Std Dev 0.9487

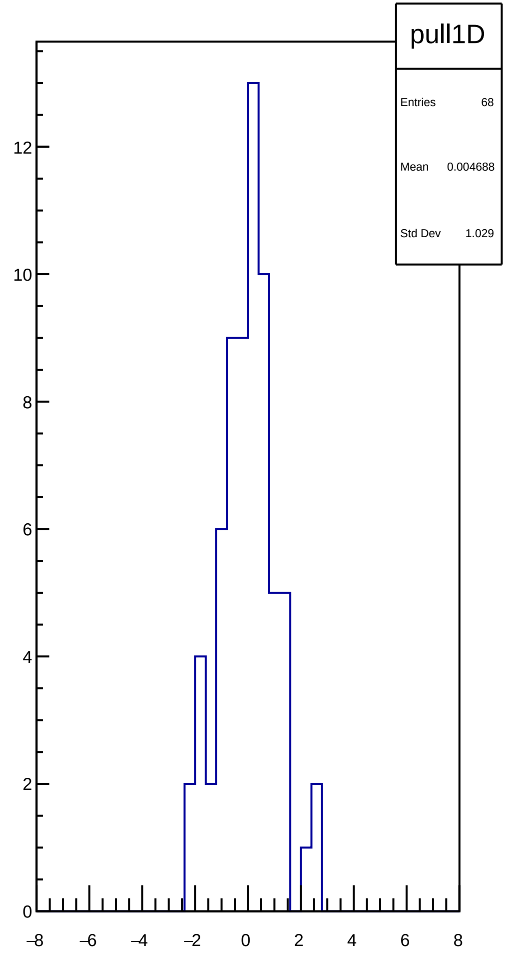

diff_bpm16Y_rms vs run
χ2 / ndf 5336 / 67
p0 4494 ± 3.931
5400
5200
5000
4800
4600
4400
4200
4000
3800

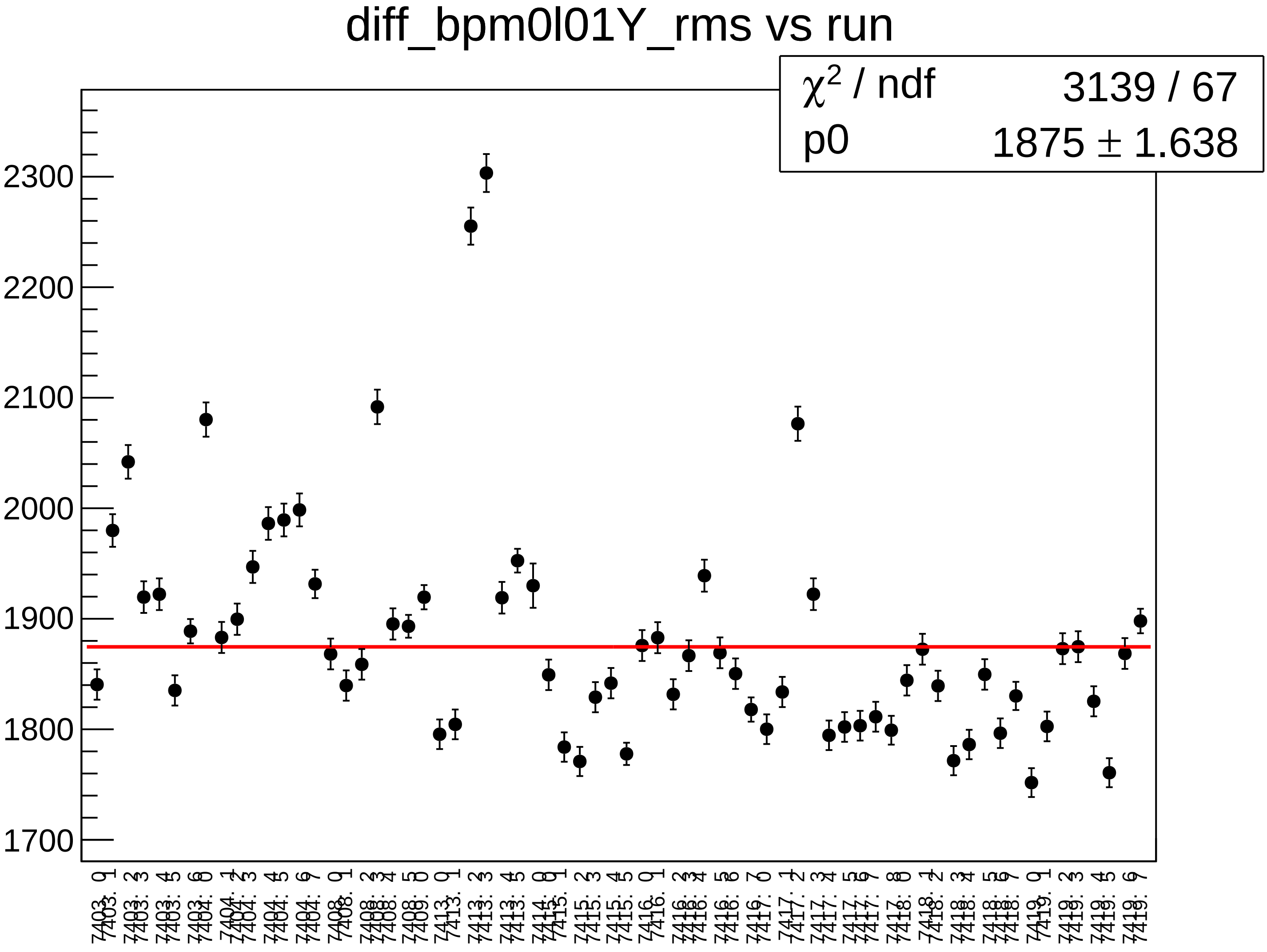


diff_bpm0l01X_mean vs run
χ² / ndf 59.59 / 67
p0 3.439 ± 4.391
pull
Entries 68
Mean 1685
Std Dev 1632
pull1D
Entries 68
Mean −0.001342
Std Dev 0.9361

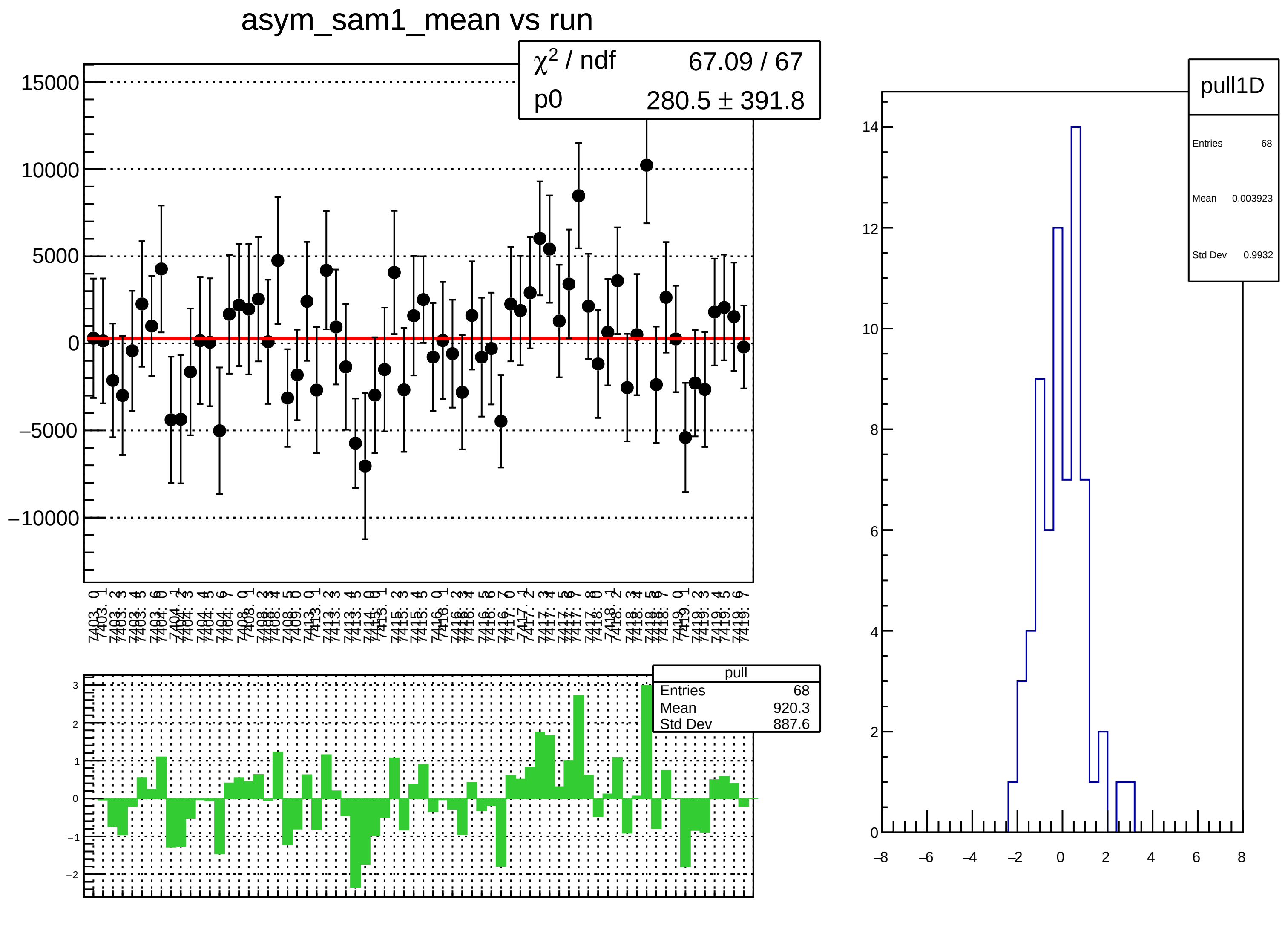

diff_bpm0l01X_rms vs run
χ2 / ndf 749.8 / 67
p0 3556 ± 3.105
3900
3800
3700
3600
3500
3400

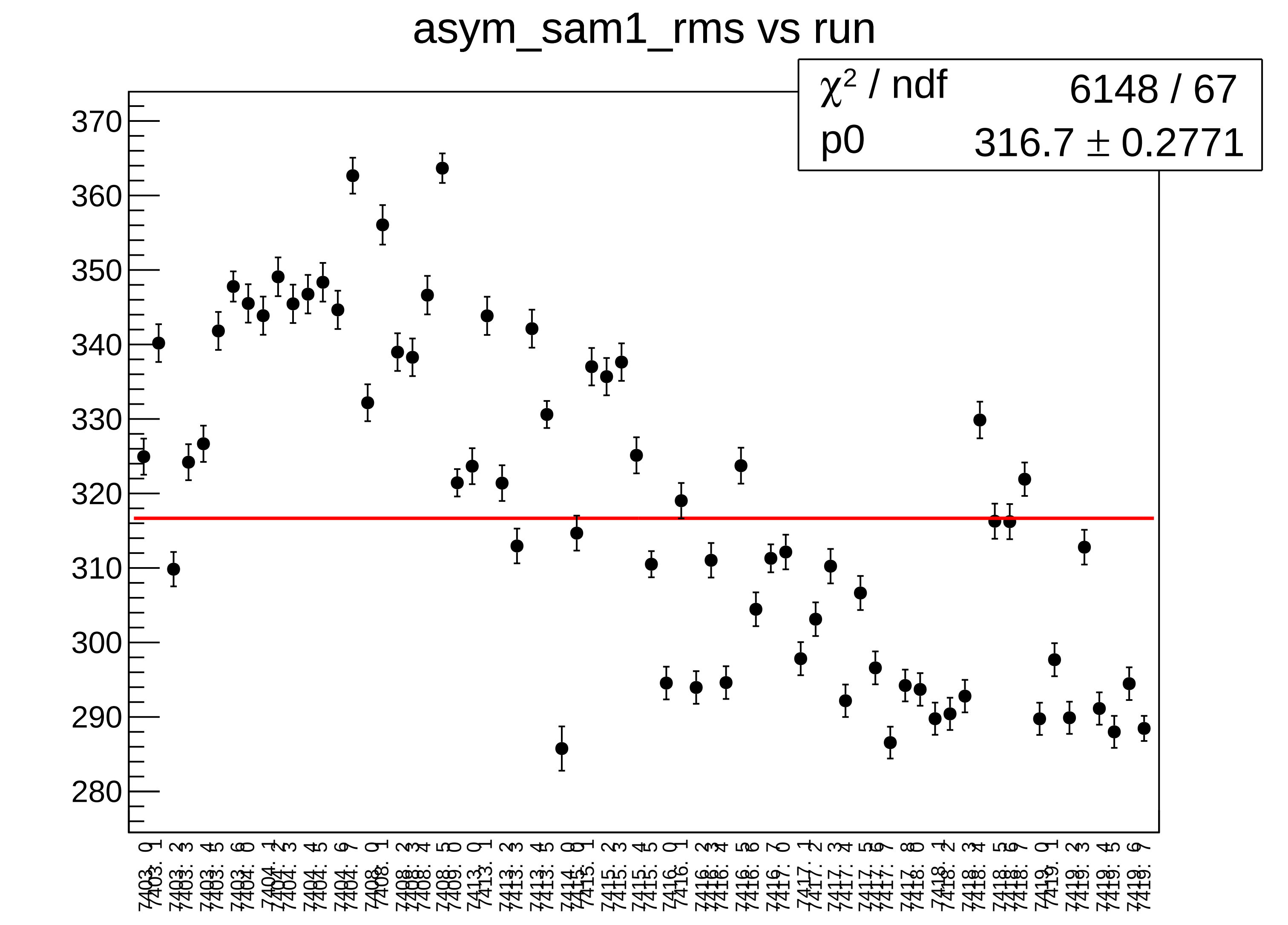

diff_bpm0l01Y_mean vs run
χ^2 / ndf 71.96 / 67
p0 −10.8 ± 2.317
pull
Entries 68
Mean −279.1
Std Dev 335.8


pull1D
Entries 68
Mean 0.004688
Std Dev 1.029

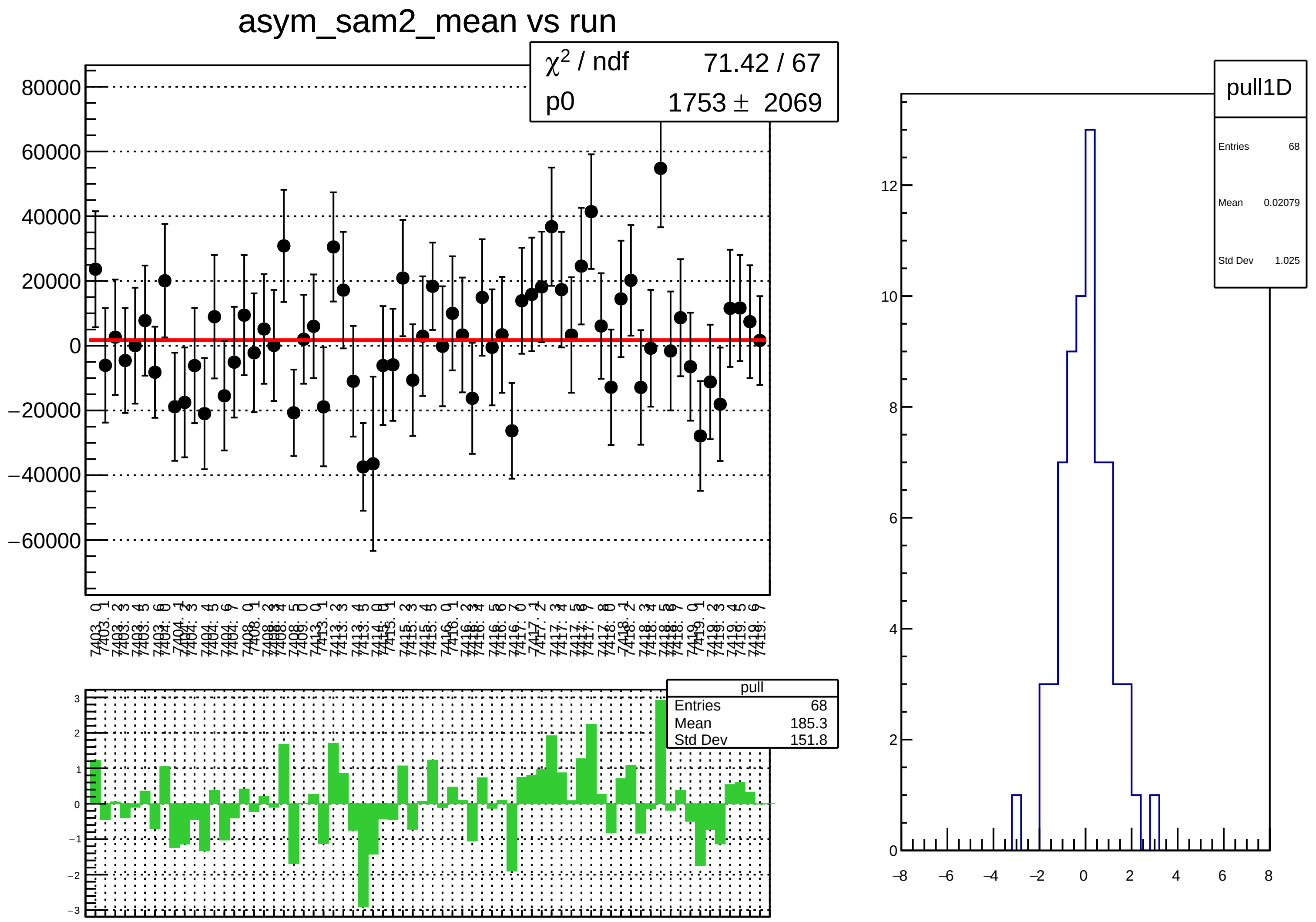


diff_bpm0l01Y_rms vs run
χ^2 / ndf 3139 / 67
p0 1875 ± 1.638
2300
2200
2100
2000
1900
1800
1700

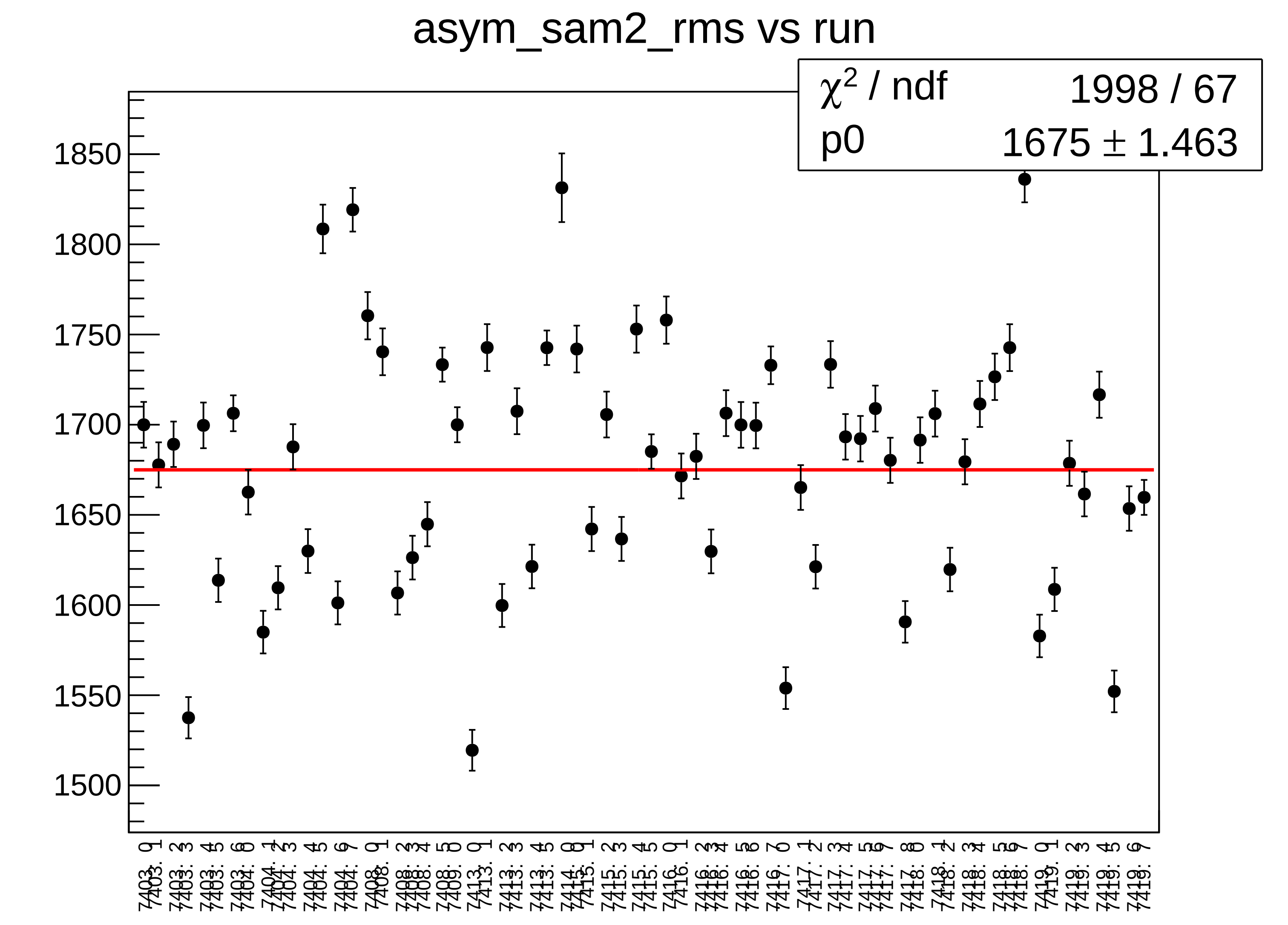

asym_sam1_mean vs run
χ2 / ndf 67.09 / 67
p0 280.5 ± 391.8
pull
Entries 68
Mean 920.3
Std Dev 887.6
pull1D
Entries 68
Mean 0.003923
Std Dev 0.9932



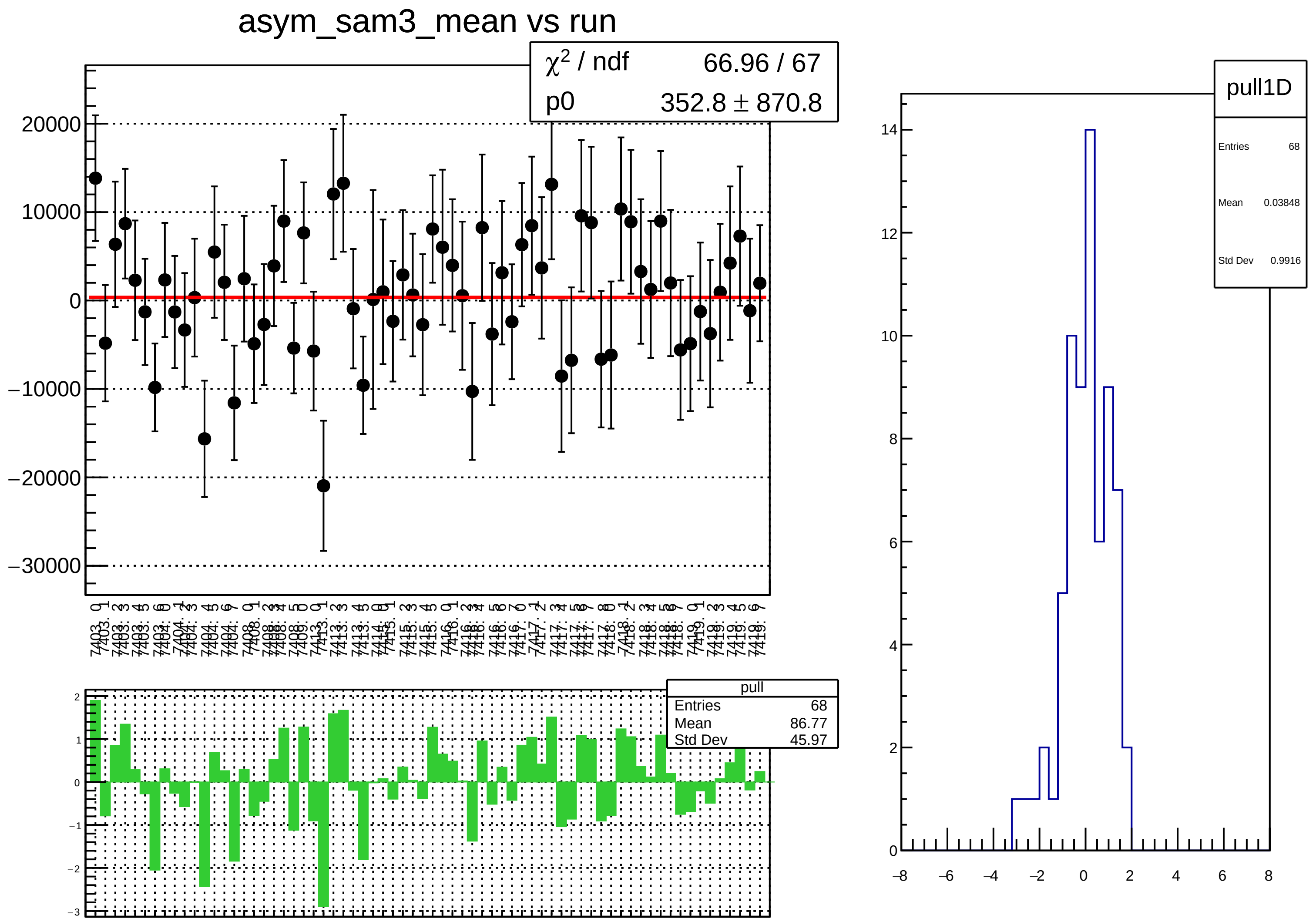
asym_sam1_rms vs run
χ2 / ndf 6148 / 67
p0 316.7 ± 0.2771



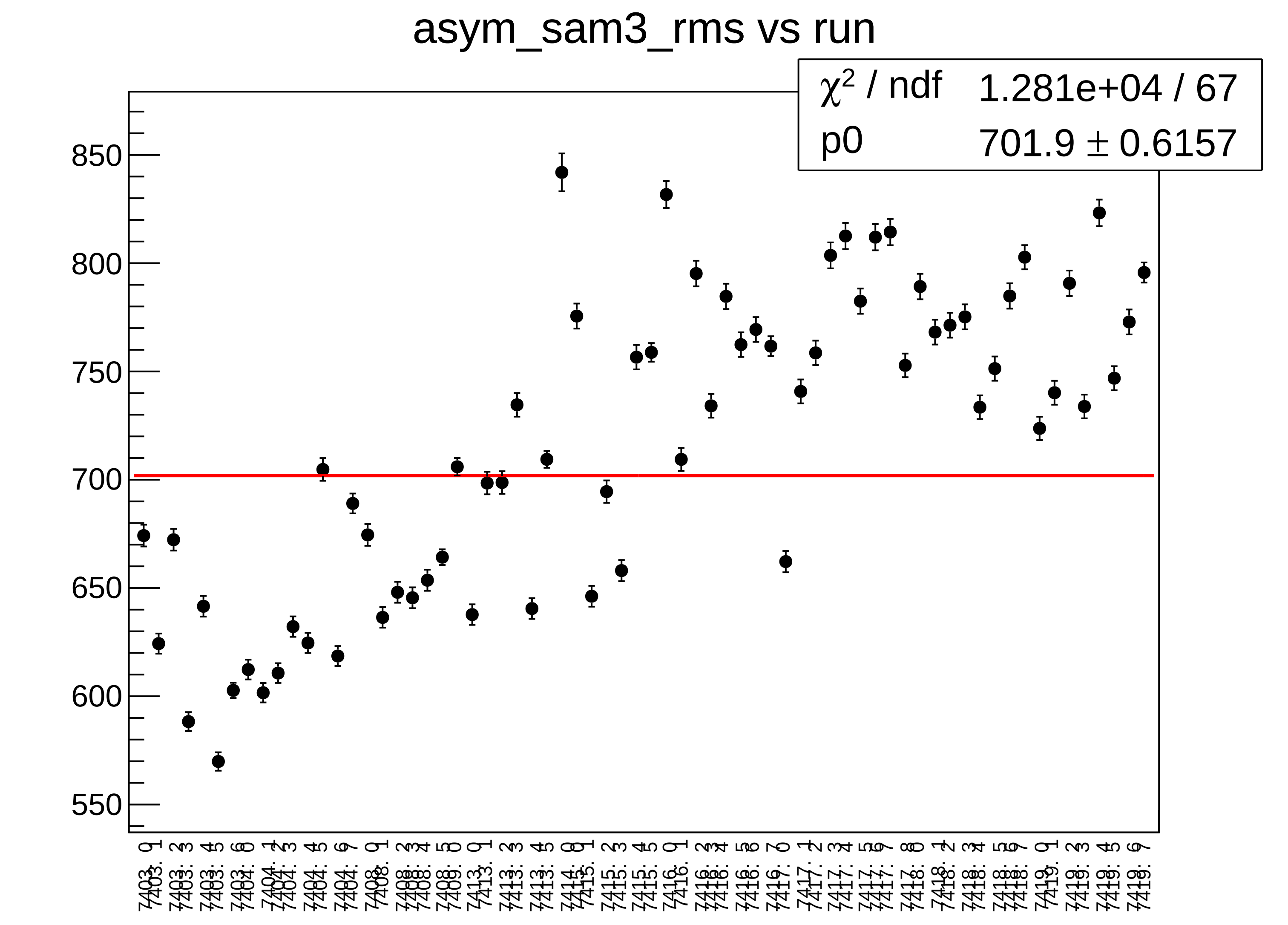
asym_sam2_mean vs run
χ2 / ndf 71.42 / 67
p0 1753 ± 2069
pull
Entries 68
Mean 185.3
Std Dev 151.8
pull1D
Entries 68
Mean 0.02079
Std Dev 1.025

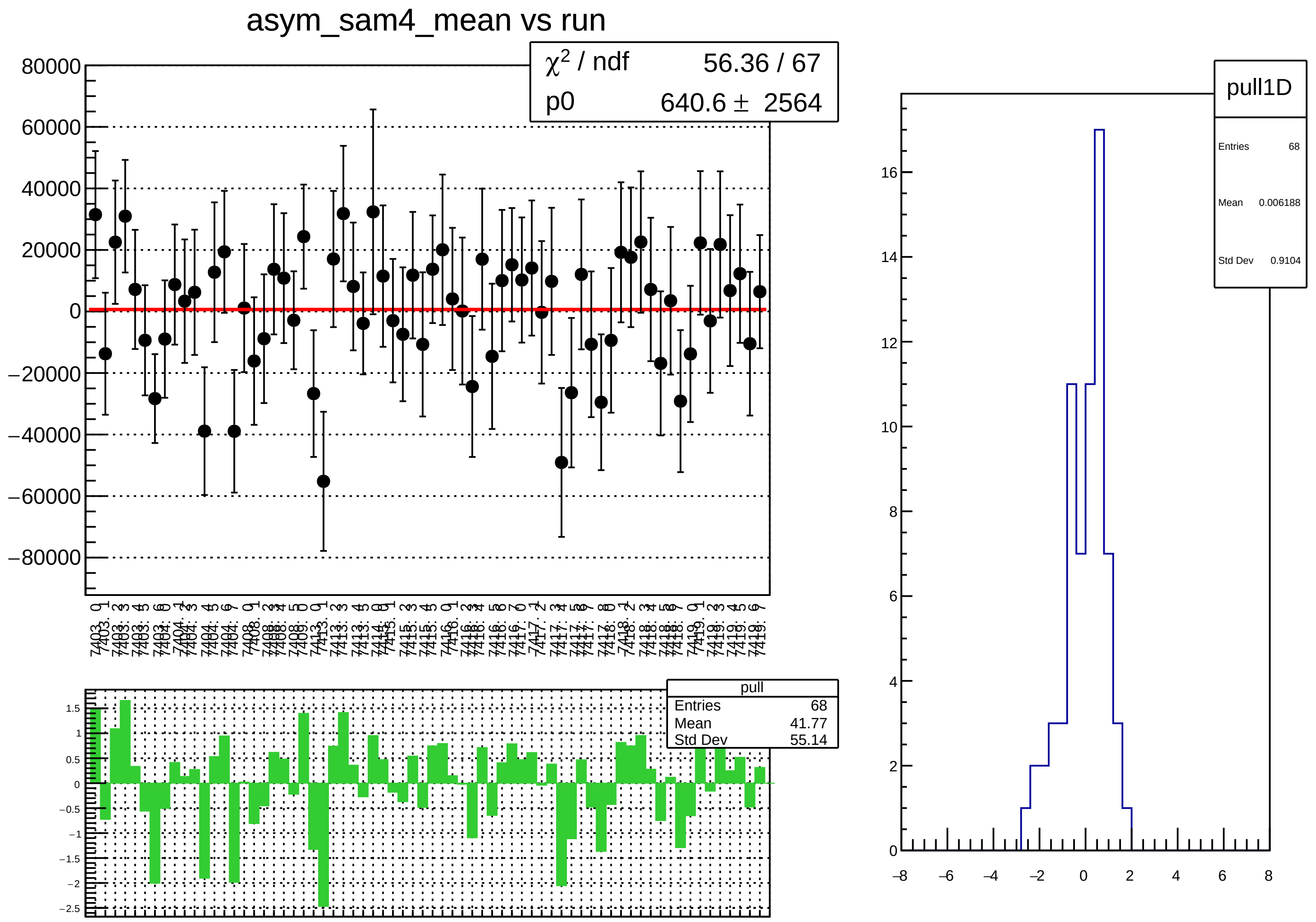


asym_sam2_rms vs run
χ^2 / ndf 1998 / 67
p0 1675 ± 1.463
1850
1800
1750
1700
1650
1600
1550
1500

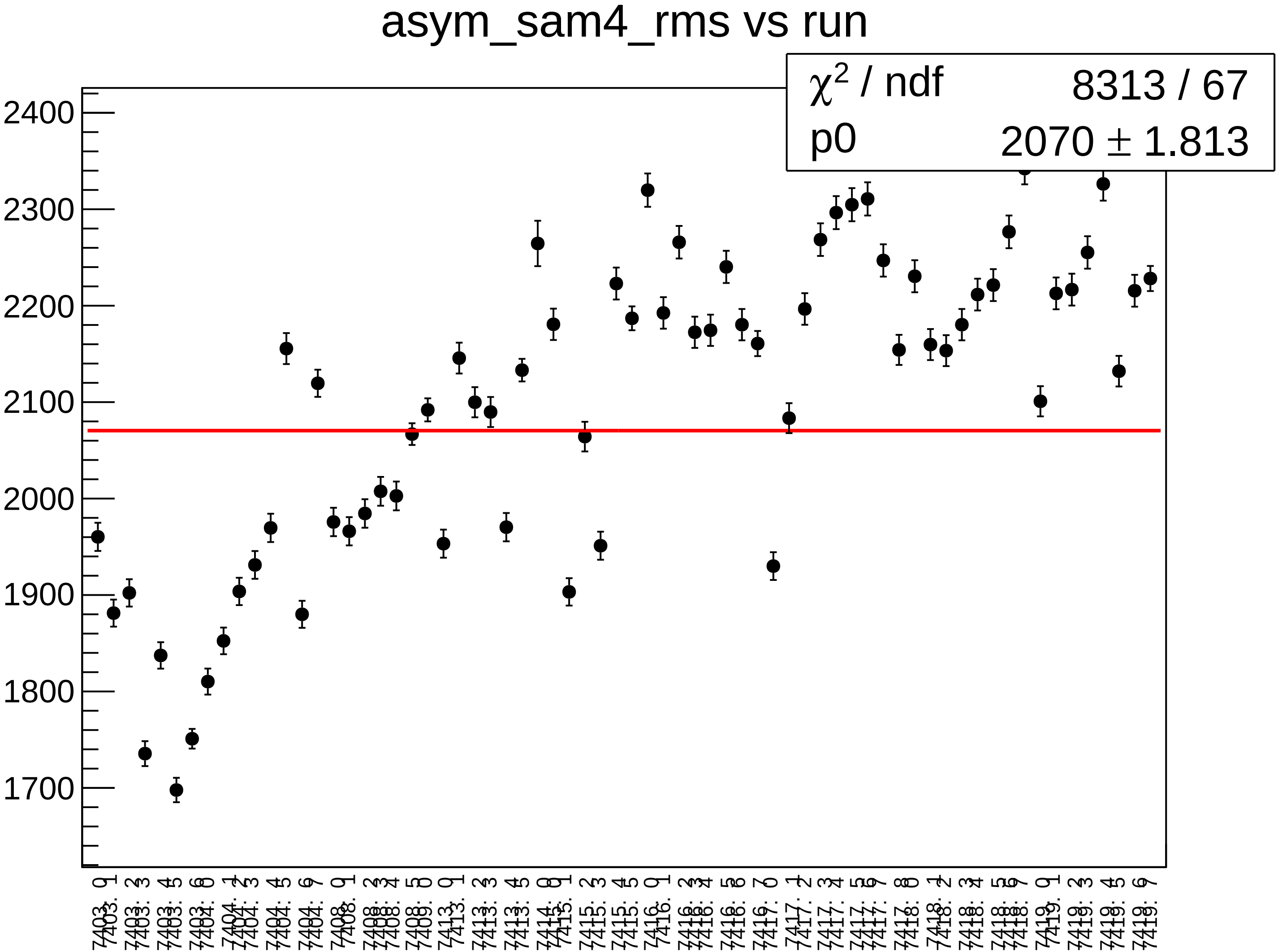


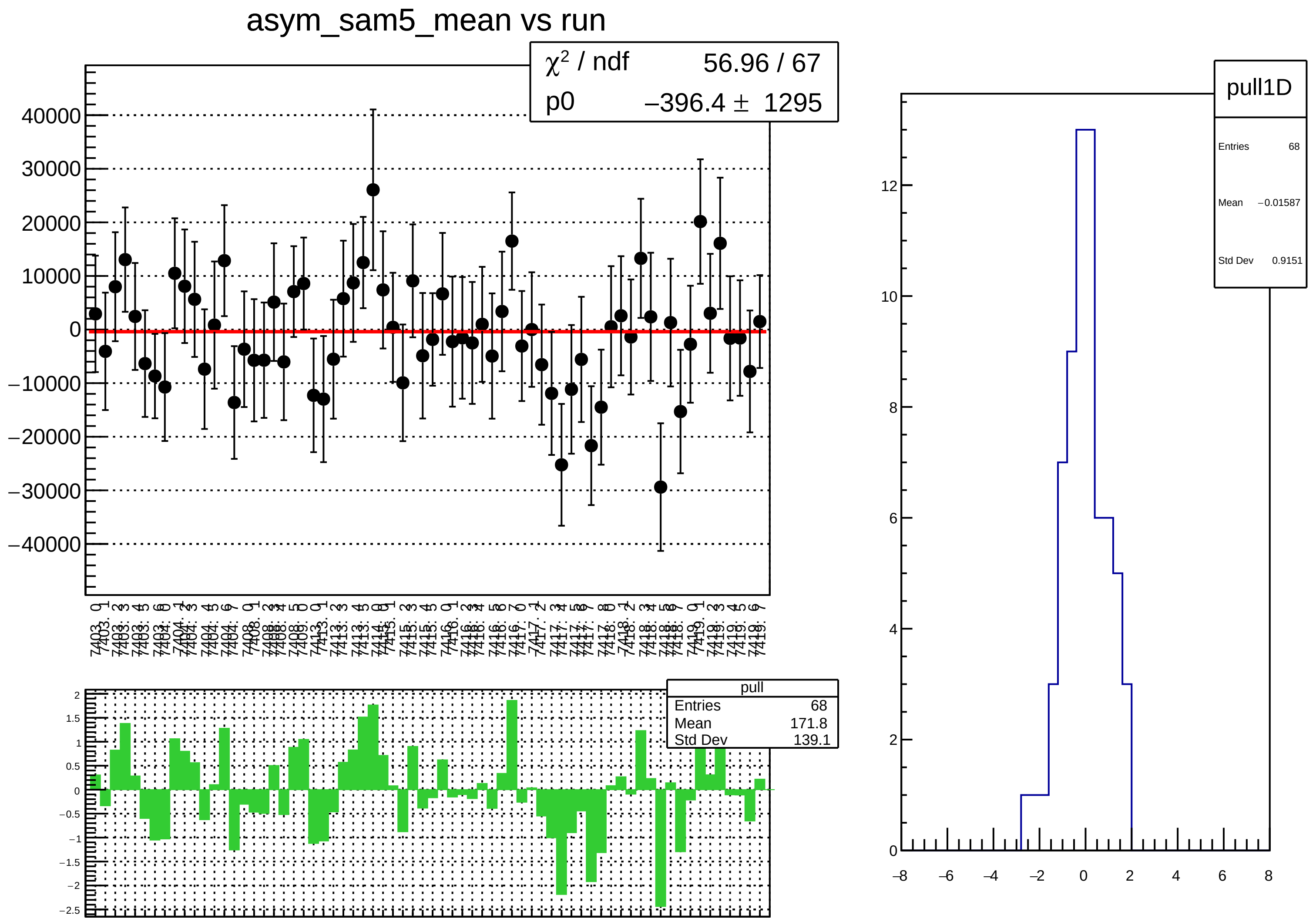
asym_sam3_mean vs run
χ^2 / ndf 66.96 / 67
p0 352.8 ± 870.8
pull
Entries 68
Mean 86.77
Std Dev 45.97
pull1D
Entries 68
Mean 0.03848
Std Dev 0.9916


asym_sam3_rms vs run
χ2 / ndf 1.281e+04 / 67
p0 701.9 ± 0.6157
850
800
750
700
650
600
550

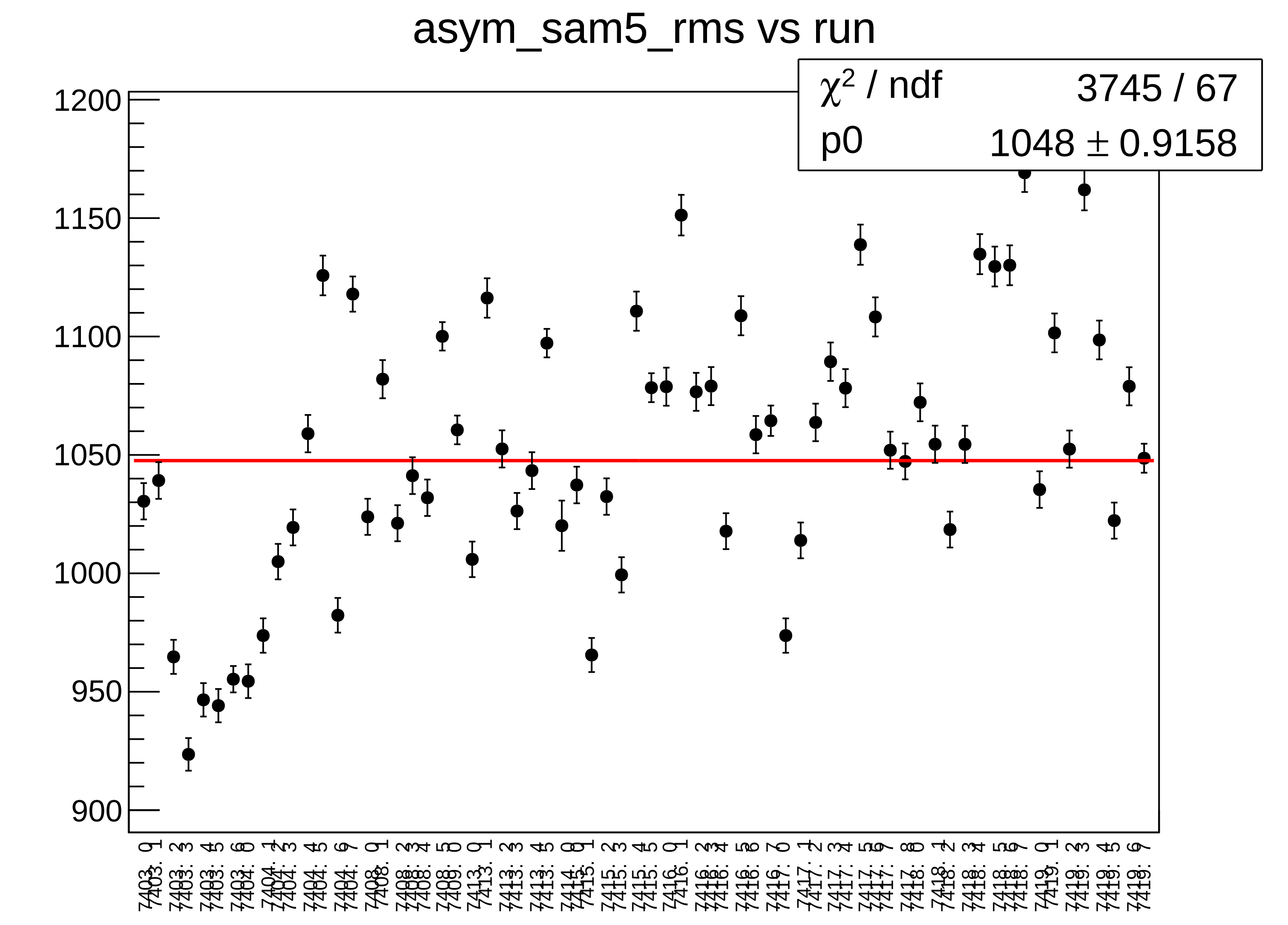


asym_sam4_mean vs run
χ2 / ndf 56.36 / 67
p0 640.6 ± 2564
pull
Entries 68
Mean 41.77
Std Dev 55.14
pull1D
Entries 68
Mean 0.006188
Std Dev 0.9104


asym_sam4_rms vs run
χ2 / ndf 8313 / 67
p0 2070 ± 1.813
2400
2300
2200
2100
2000
1900
1800
1700

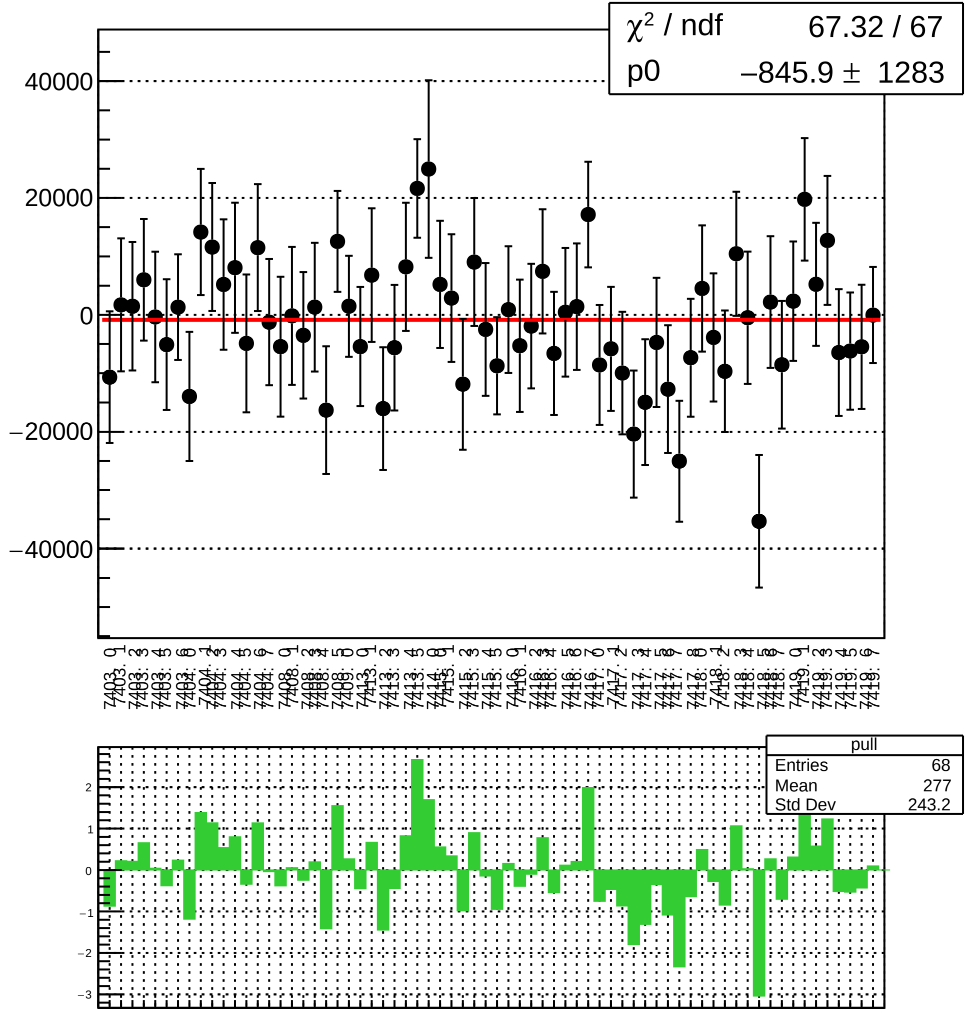


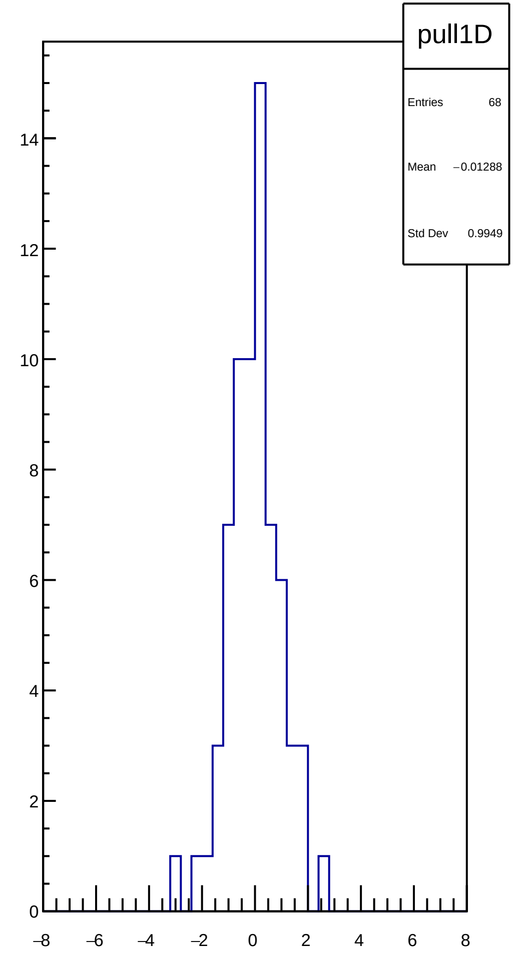
asym_sam5_mean vs run
χ2 / ndf 56.96 / 67
p0 −396.4 ± 1295
pull
Entries 68
Mean 171.8
Std Dev 139.1
pull1D
Entries 68
Mean −0.01587
Std Dev 0.9151

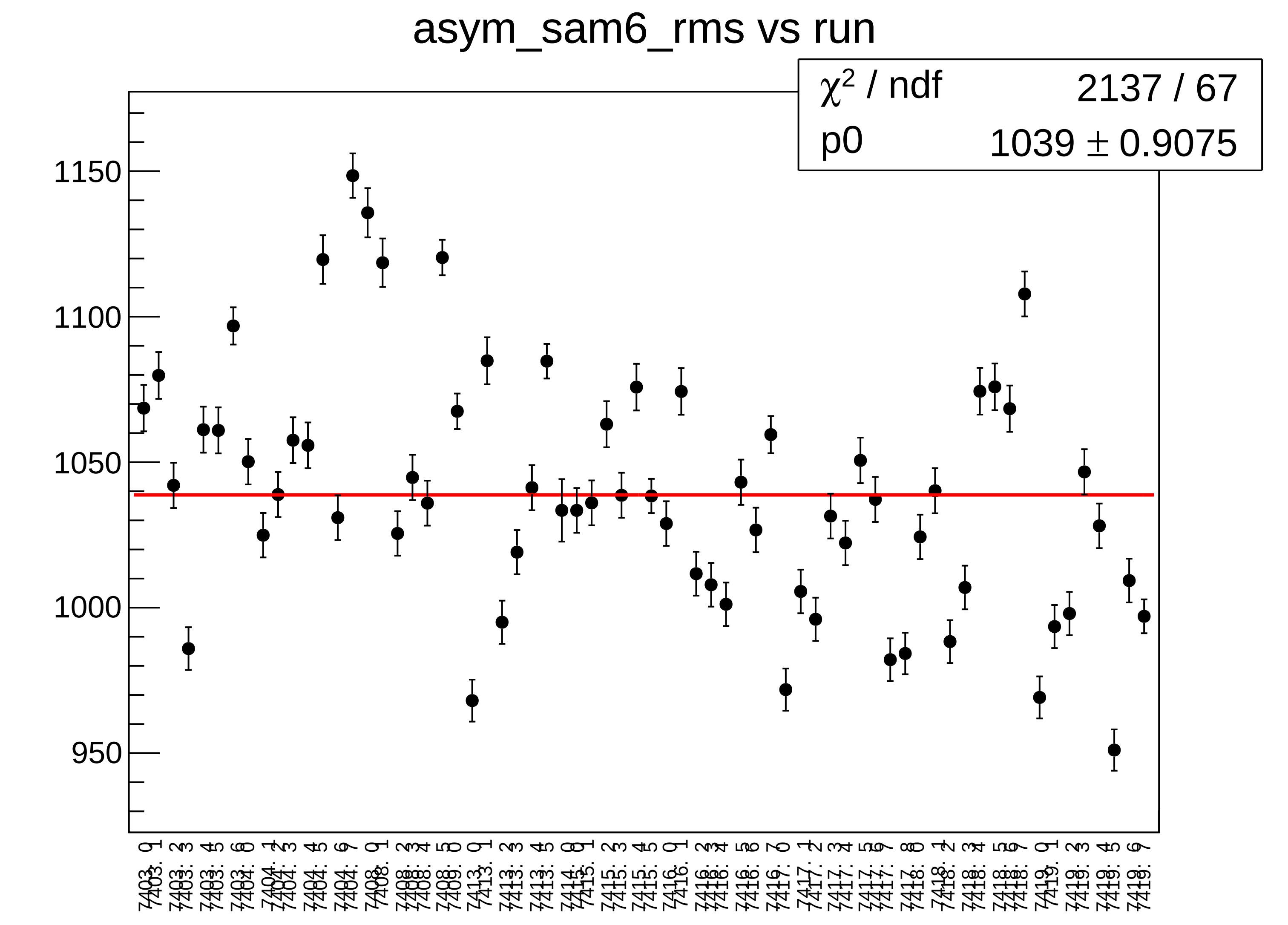


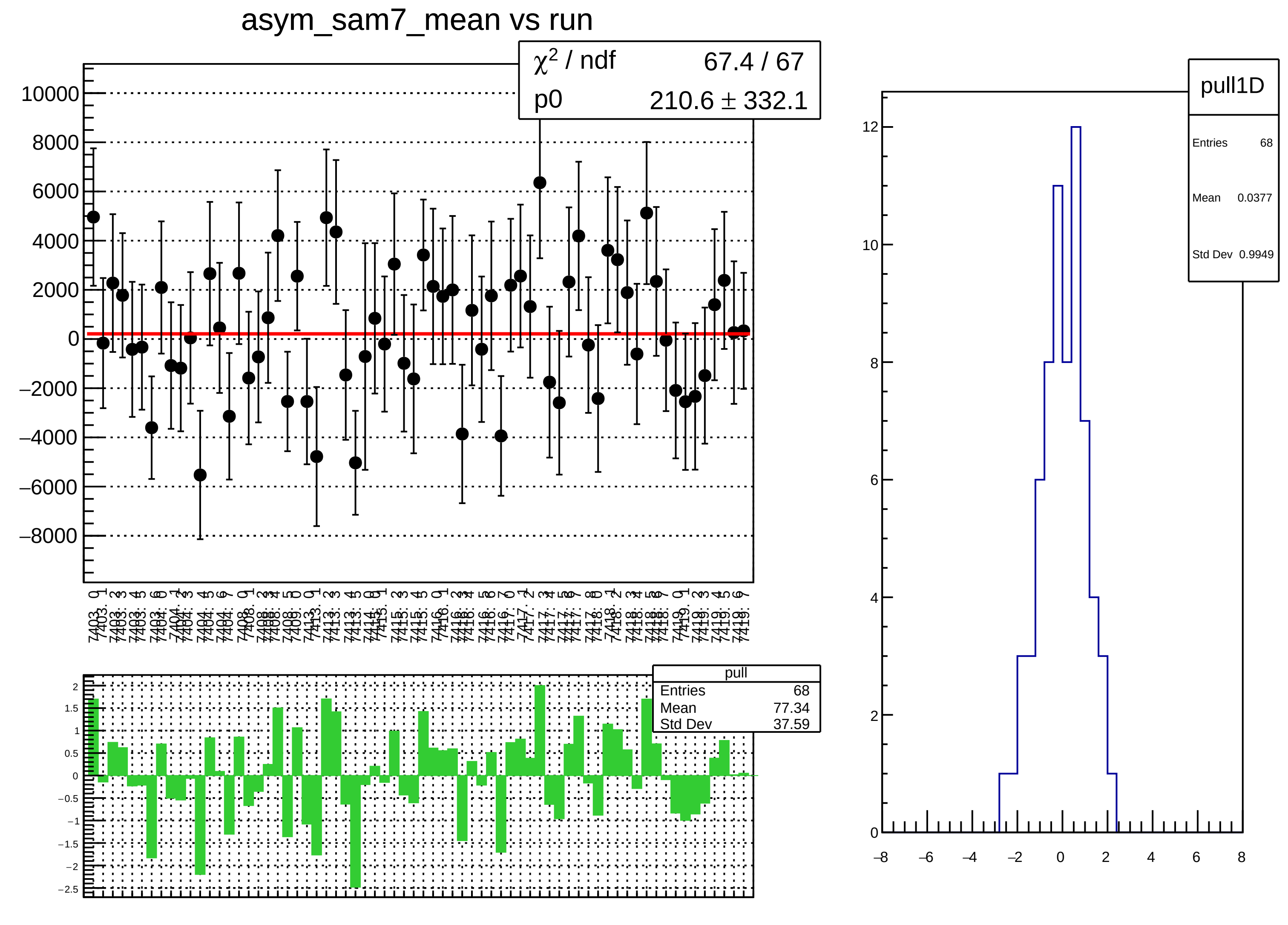
asym_sam5_rms vs run
χ^2 / ndf 3745 / 67
p0 1048 ± 0.9158
1200
1150
1100
1050
1000
950
900

asym_sam6_mean vs run

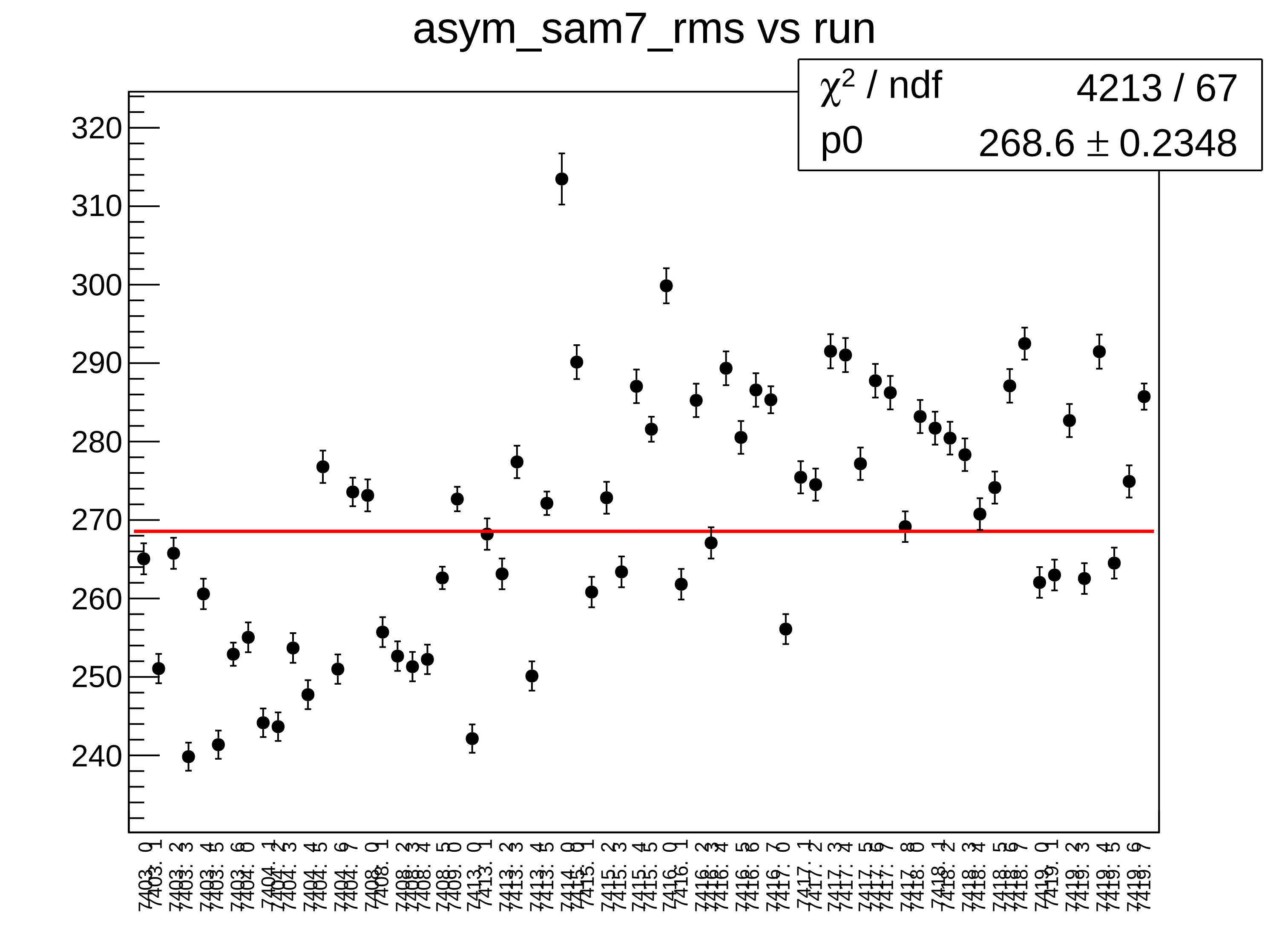




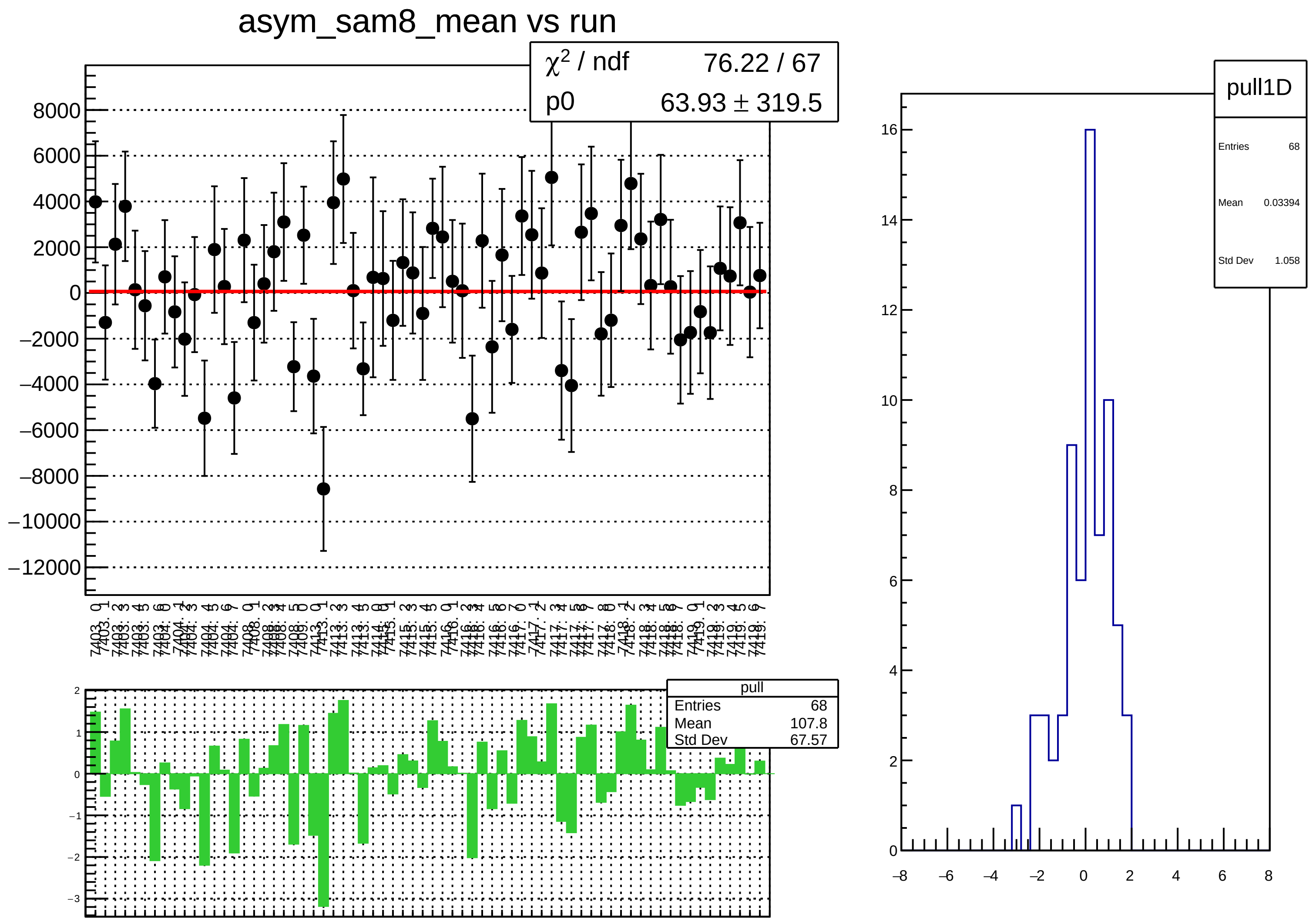

asym_sam6_rms vs run
χ^2 / ndf 2137 / 67
p0 1039 ± 0.9075
1150
1100
1050
1000
950



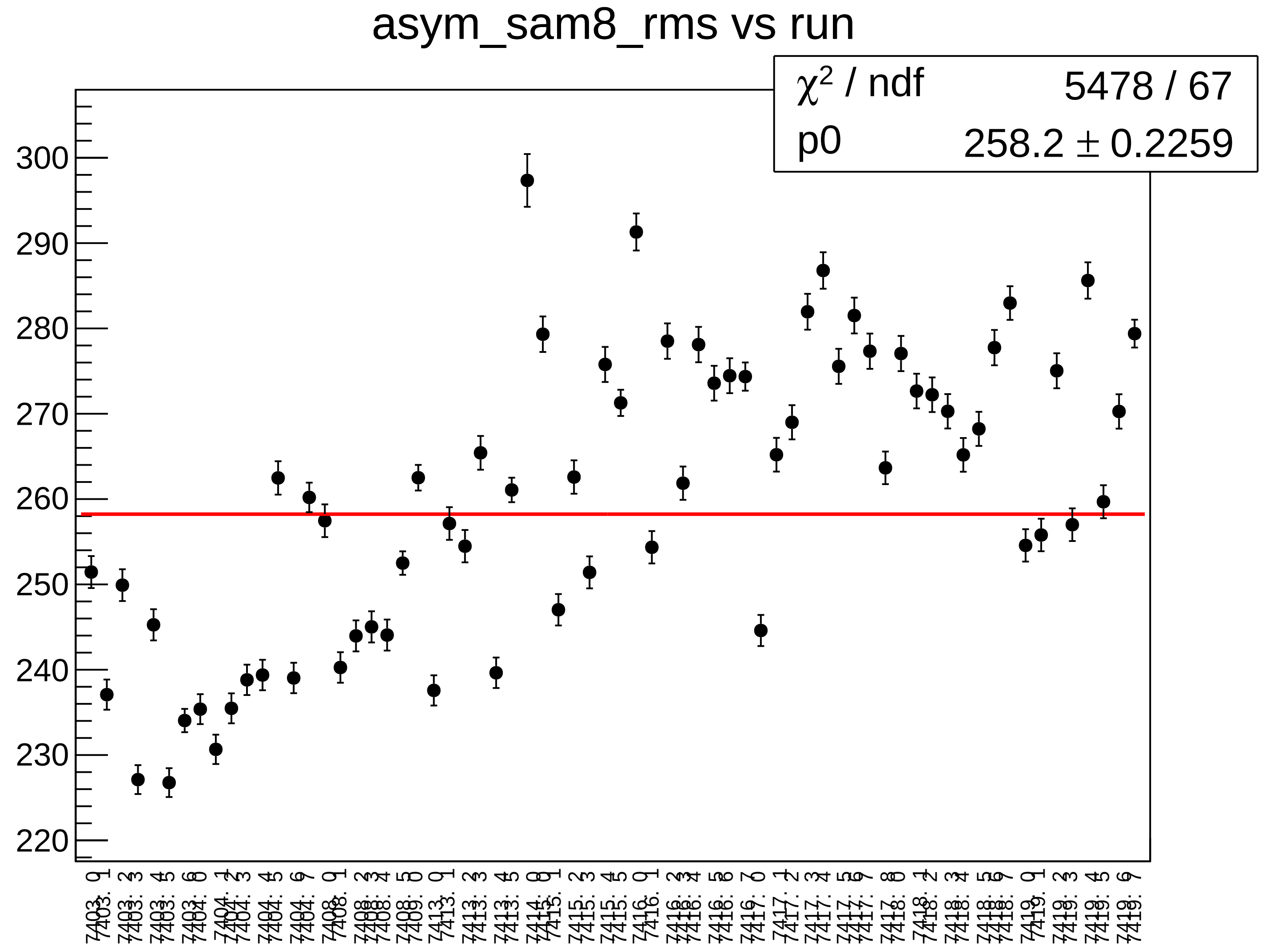
asym_sam7_mean vs run
χ2 / ndf 67.4 / 67
p0 210.6 ± 332.1
pull
Entries 68
Mean 77.34
Std Dev 37.59
pull1D
Entries 68
Mean 0.0377
Std Dev 0.9949

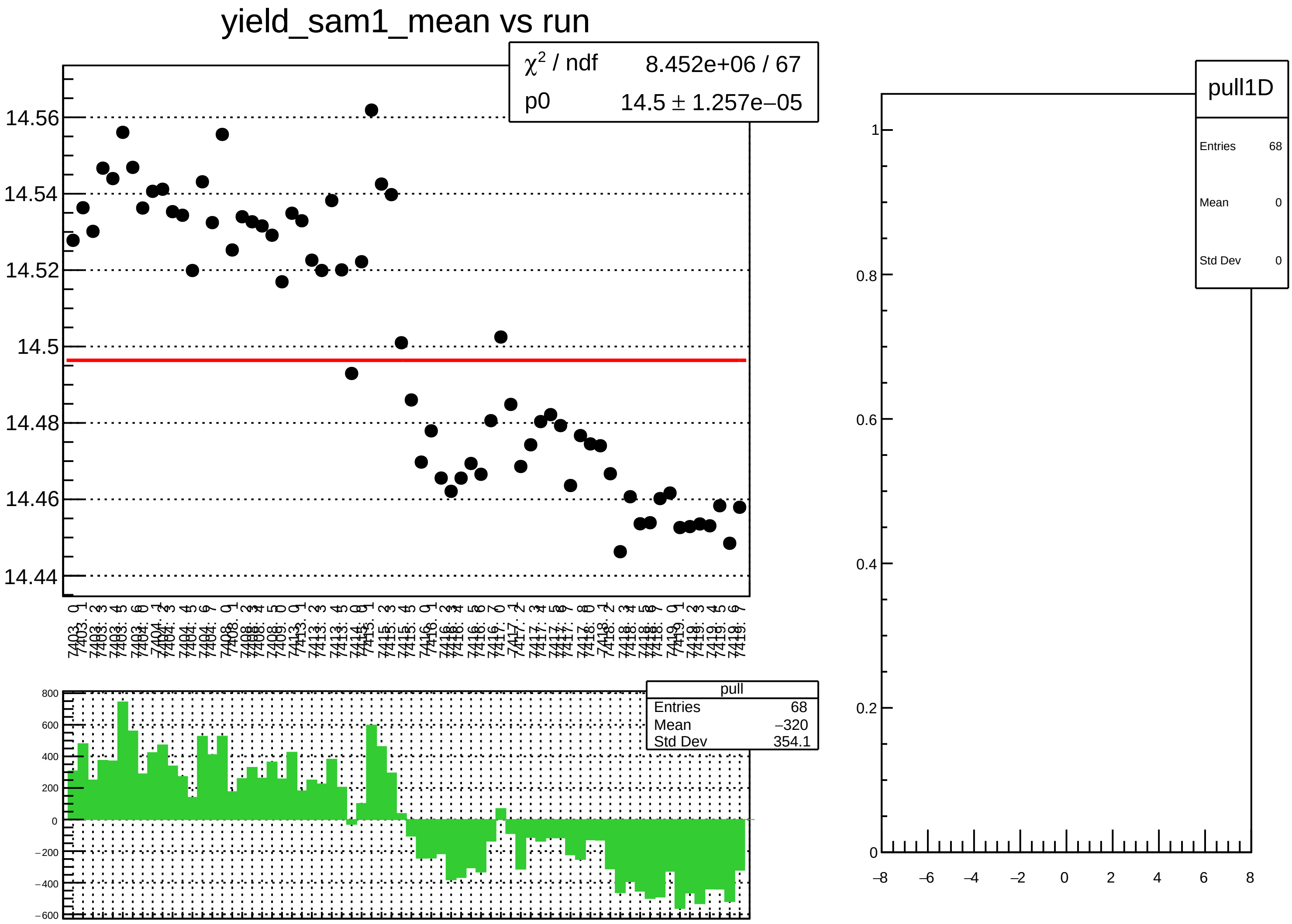


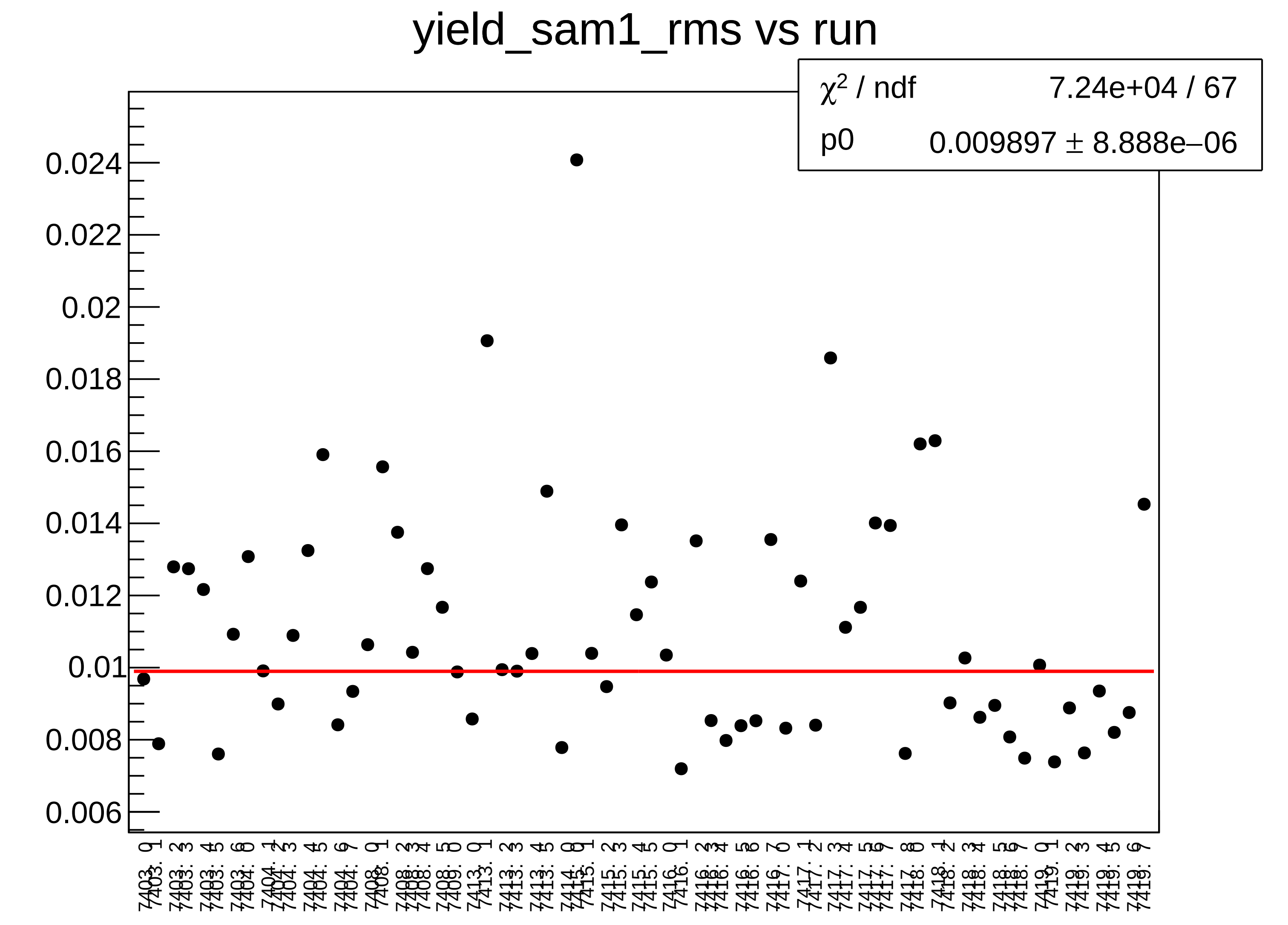
asym_sam7_rms vs run
χ^2 / ndf 4213 / 67
p0 268.6 ± 0.2348
320
310
300
290
280
270
260
250
240



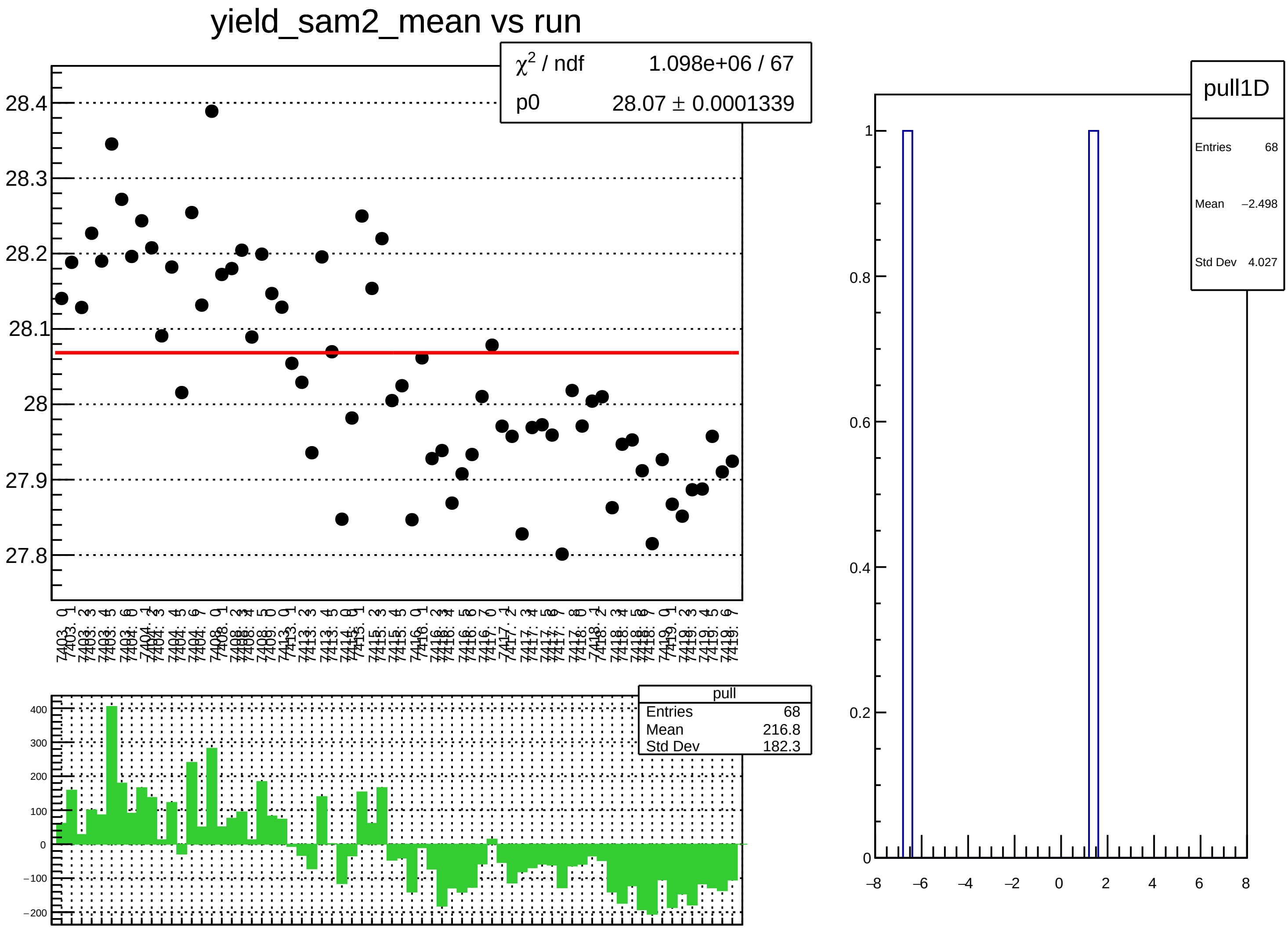
asym_sam8_mean vs run
χ^2 / ndf 76.22 / 67
p0 63.93 ± 319.5
pull
Entries 68
Mean 107.8
Std Dev 67.57
pull1D
Entries 68
Mean 0.03394
Std Dev 1.058


asym_sam8_rms vs run
χ2 / ndf 5478 / 67
p0 258.2 ± 0.2259
300
290
280
270
260
250
240
230
220

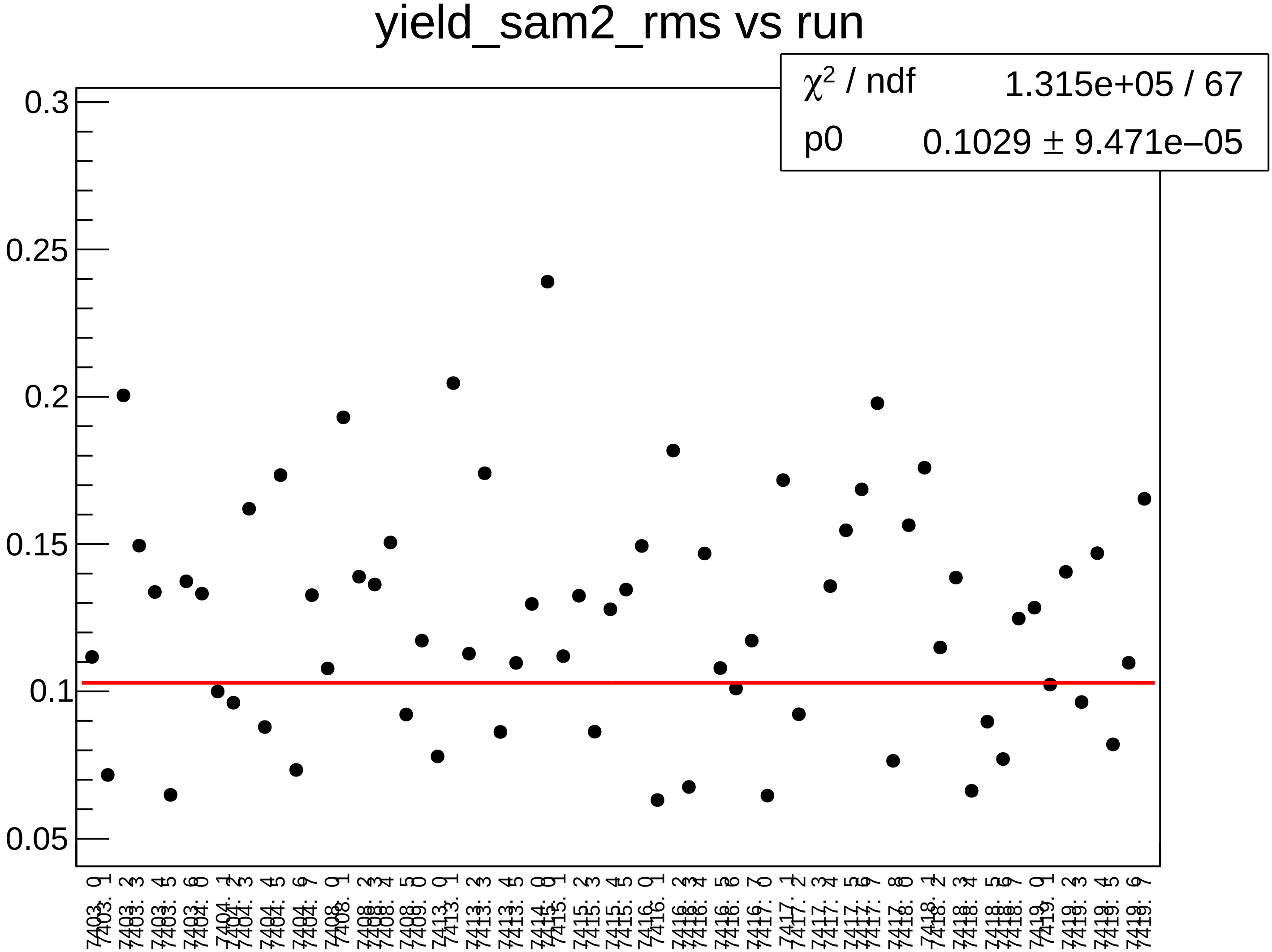

yield_sam1_mean vs run
χ^2 / ndf 8.452e+06 / 67
p0 14.5 ± 1.257e−05
14.56
14.54
14.52
14.5
14.48
14.46
14.44
pull
Entries 68
Mean −320
Std Dev 354.1
800
600
400
200
0
−200
−400
−600
pull1D
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8

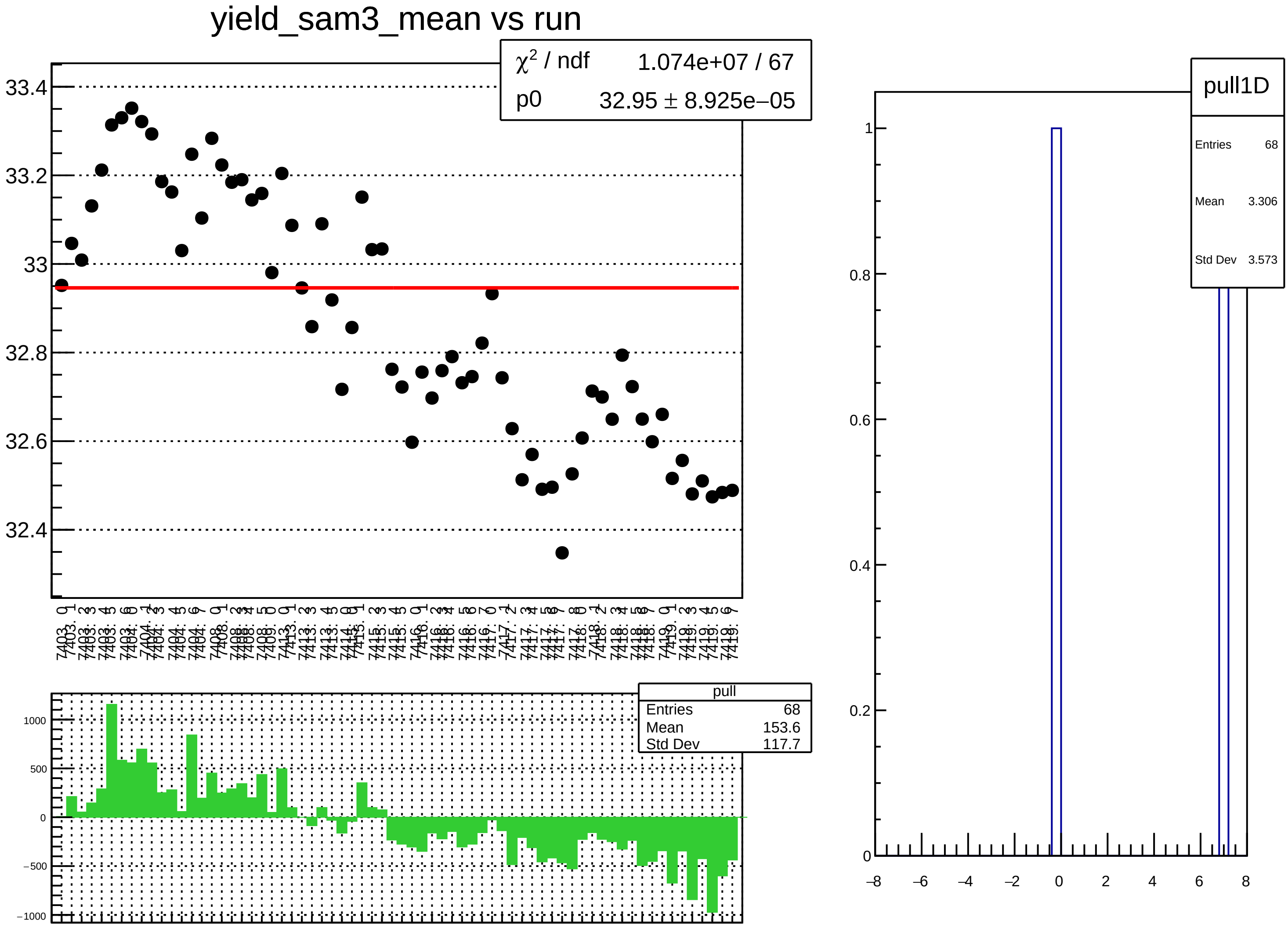


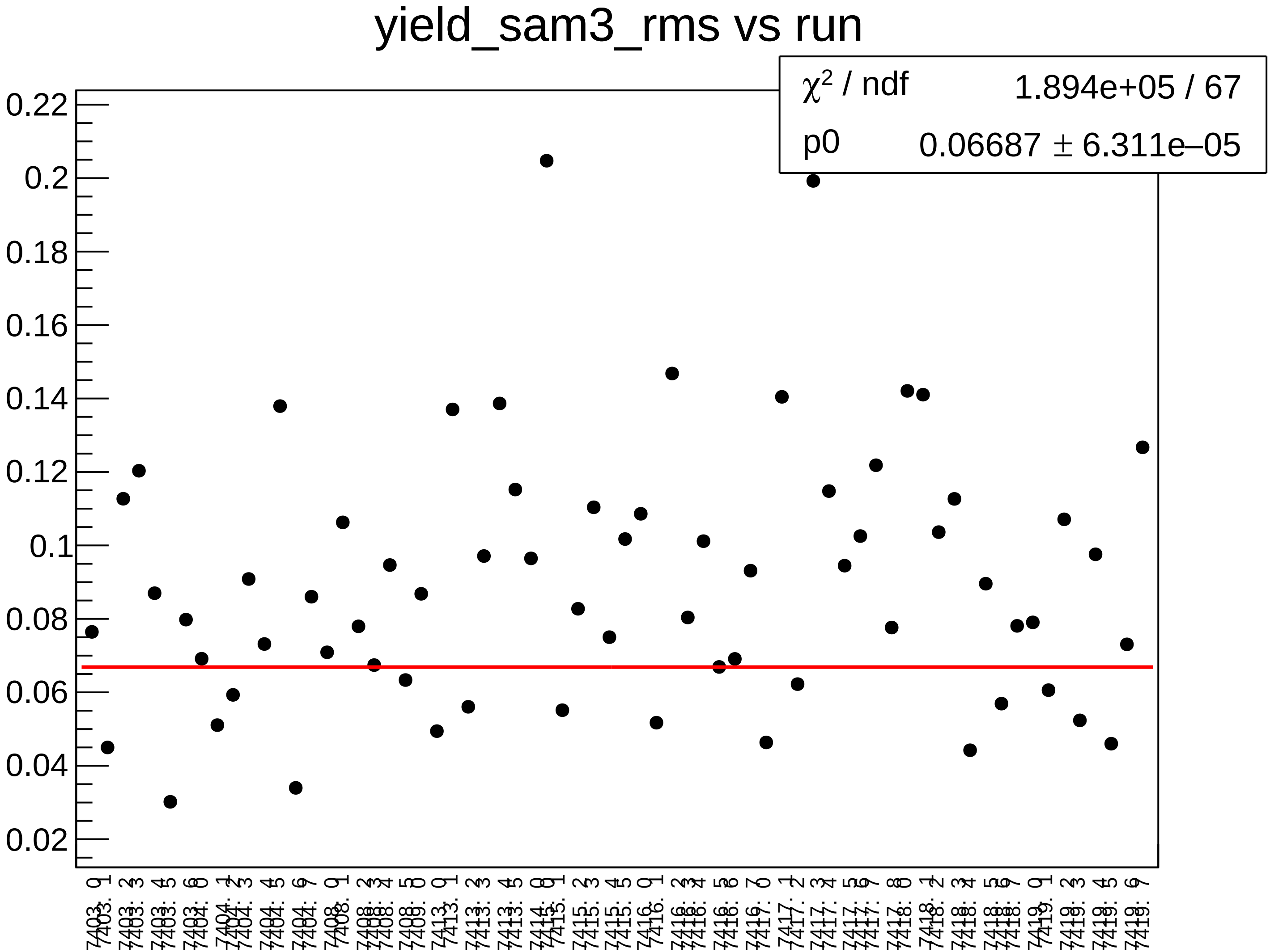
yield_sam1_rms vs run
χ^2 / ndf 7.24e+04 / 67
p0 0.009897 ± 8.888e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006



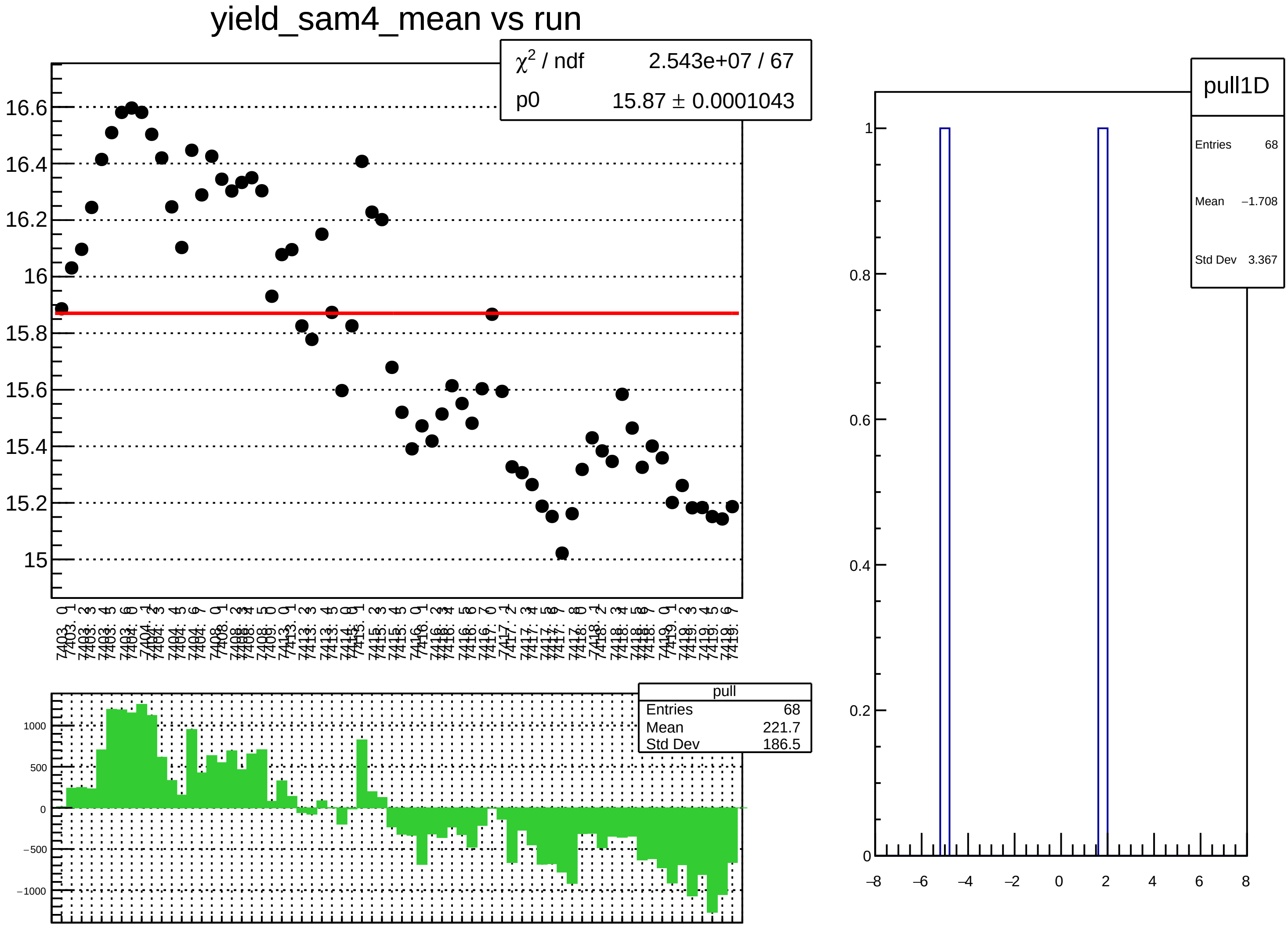
yield_sam2_mean vs run
χ^2 / ndf 1.098e+06 / 67
p0 28.07 ± 0.0001339
pull
Entries 68
Mean 216.8
Std Dev 182.3
pull1D
Entries 68
Mean −2.498
Std Dev 4.027


yield_sam2_rms vs run
χ^2 / ndf 1.315e+05 / 67
p0 0.1029 ± 9.471e−05
0.3
0.25
0.2
0.15
0.1
0.05

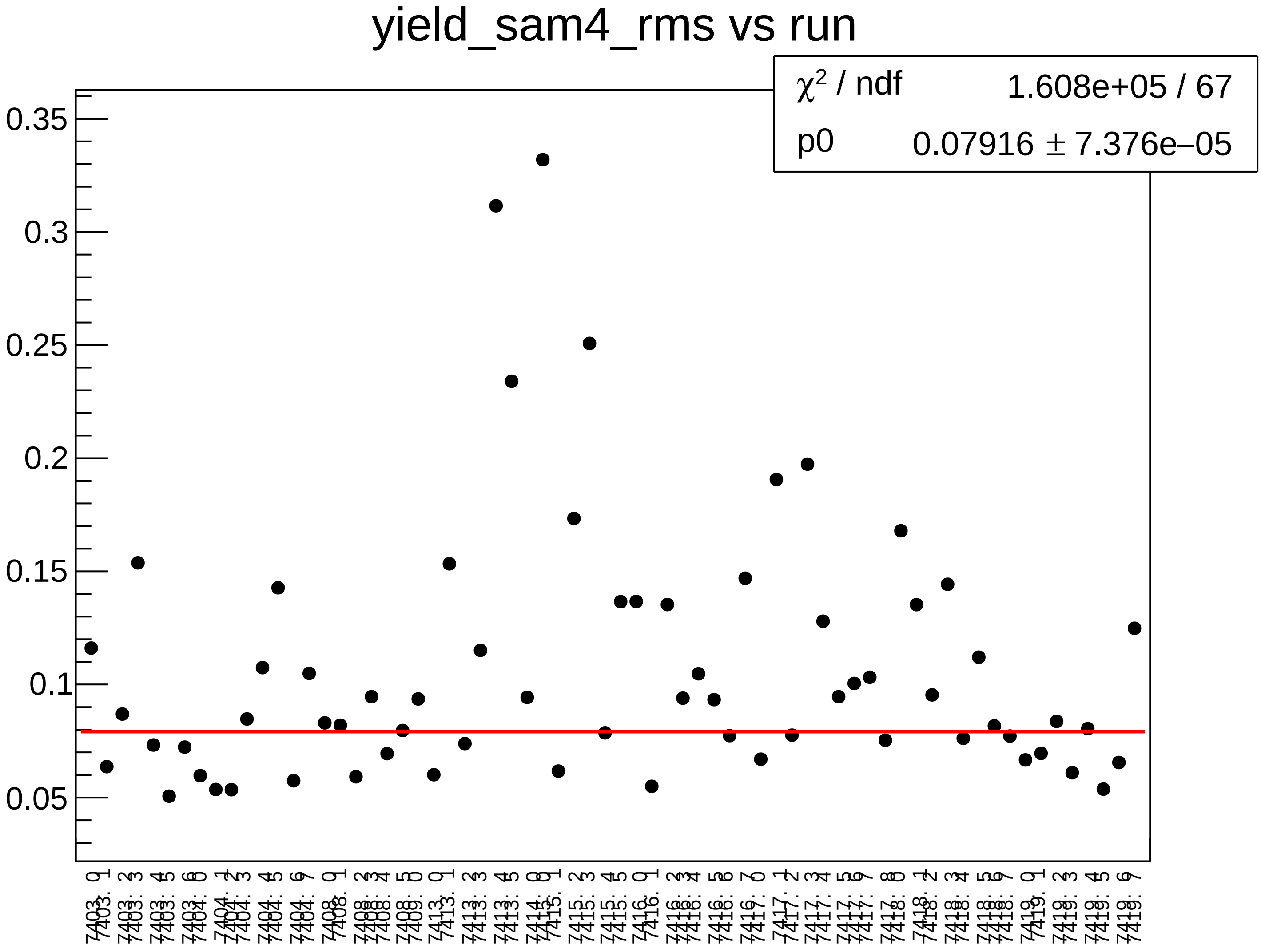

yield_sam3_mean vs run
χ^2 / ndf 1.074e+07 / 67
p0 32.95 ± 8.925e−05
pull
Entries 68
Mean 153.6
Std Dev 117.7
pull1D
Entries 68
Mean 3.306
Std Dev 3.573



yield_sam3_rms vs run
χ^2 / ndf 1.894e+05 / 67
p0 0.06687 ± 6.311e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

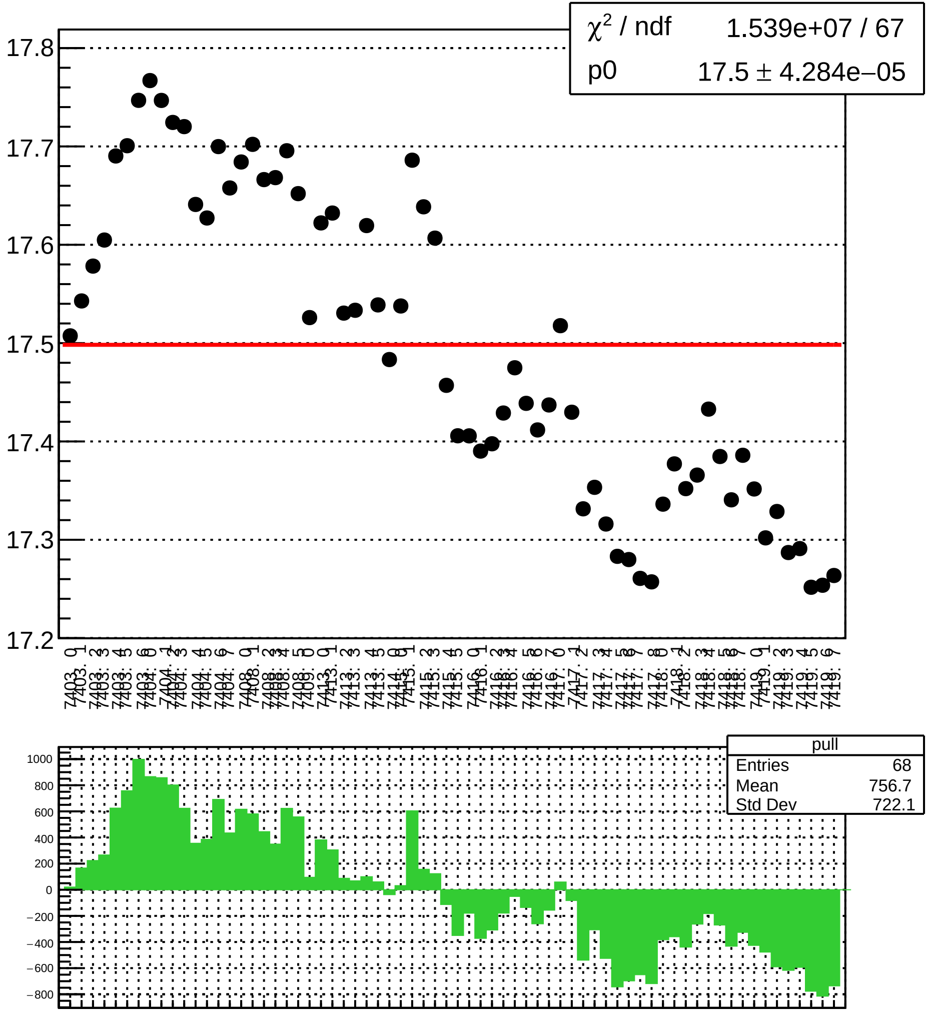


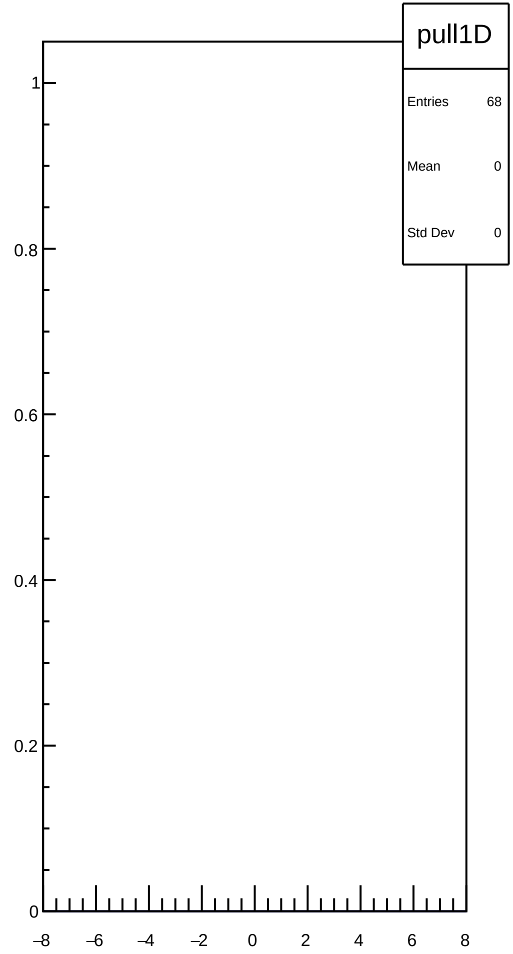
yield_sam4_mean vs run
χ^2 / ndf 2.543e+07 / 67
p0 15.87 ± 0.0001043
pull
Entries 68
Mean 221.7
Std Dev 186.5
pull1D
Entries 68
Mean −1.708
Std Dev 3.367

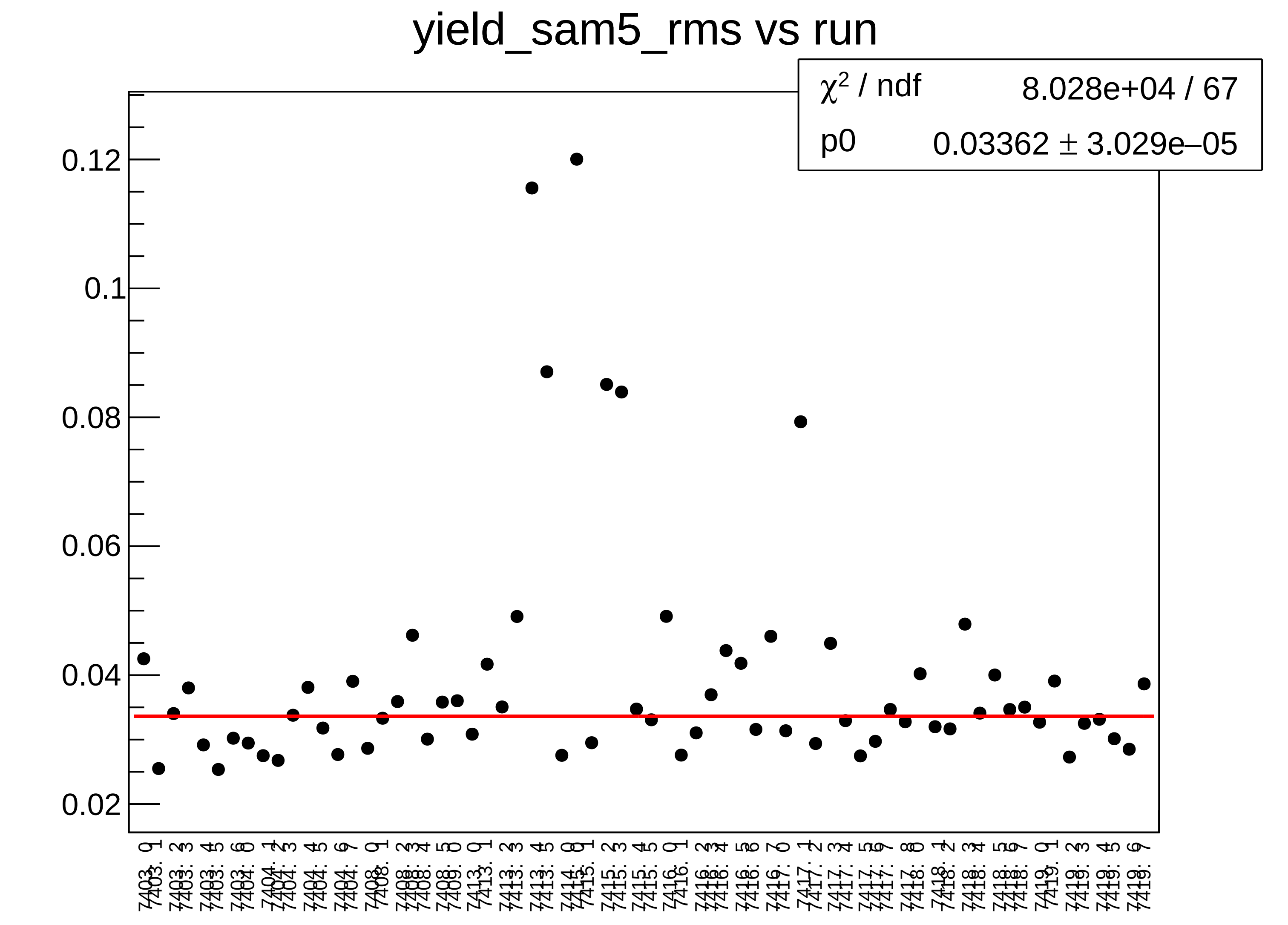


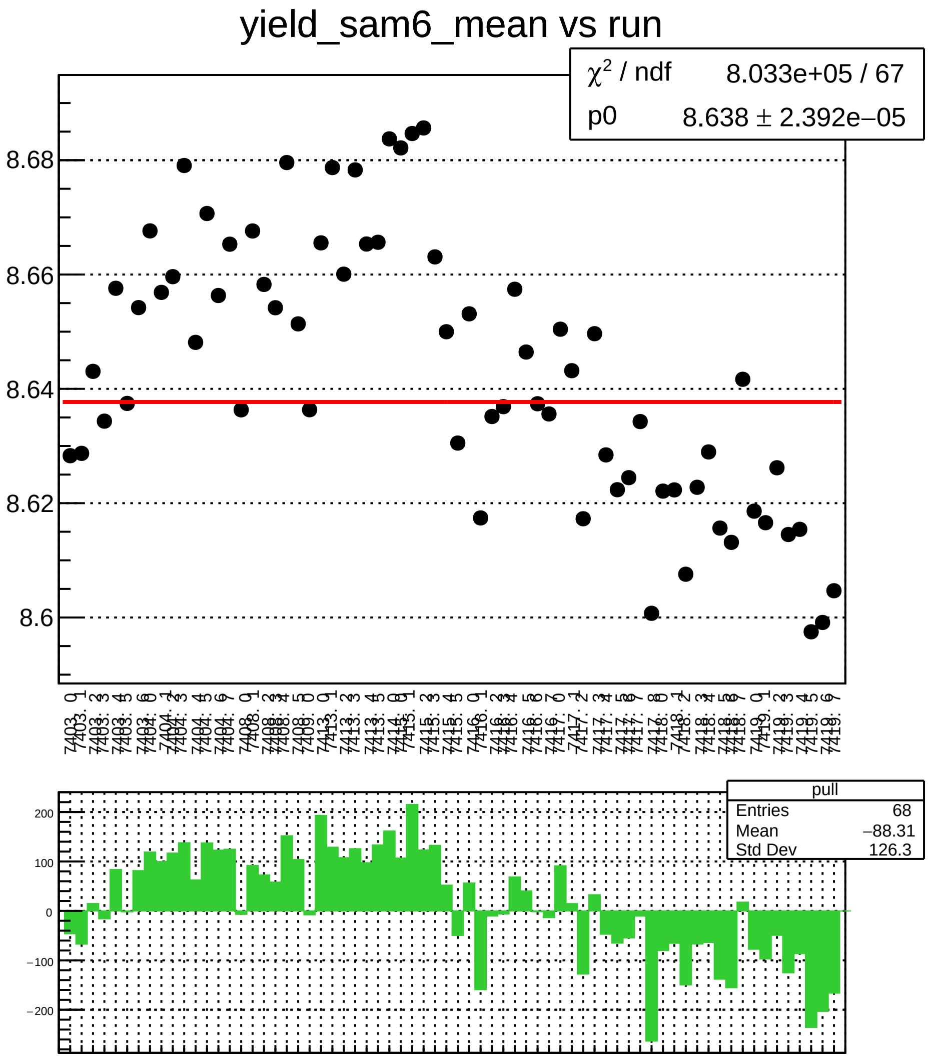
yield_sam4_rms vs run
χ^2 / ndf 1.608e+05 / 67
p0 0.07916 ± 7.376e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

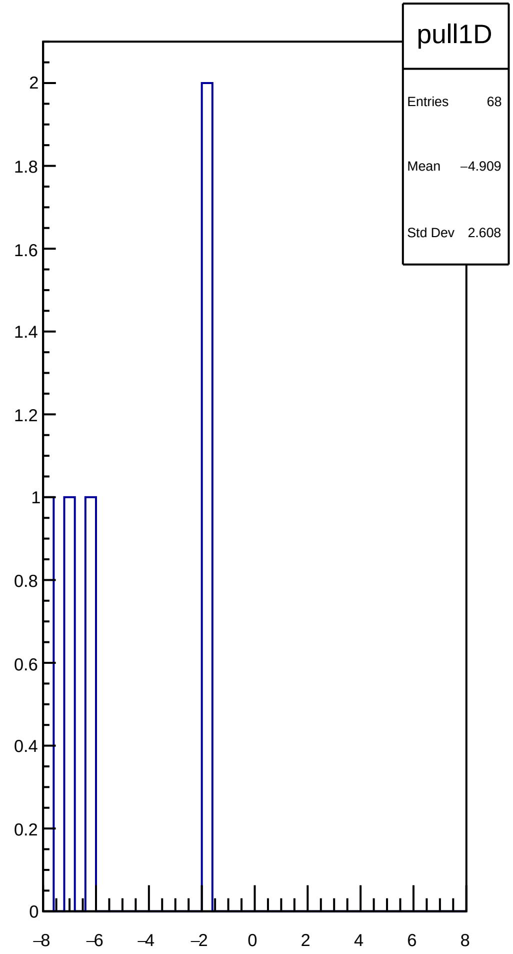
yield_sam5_mean vs run

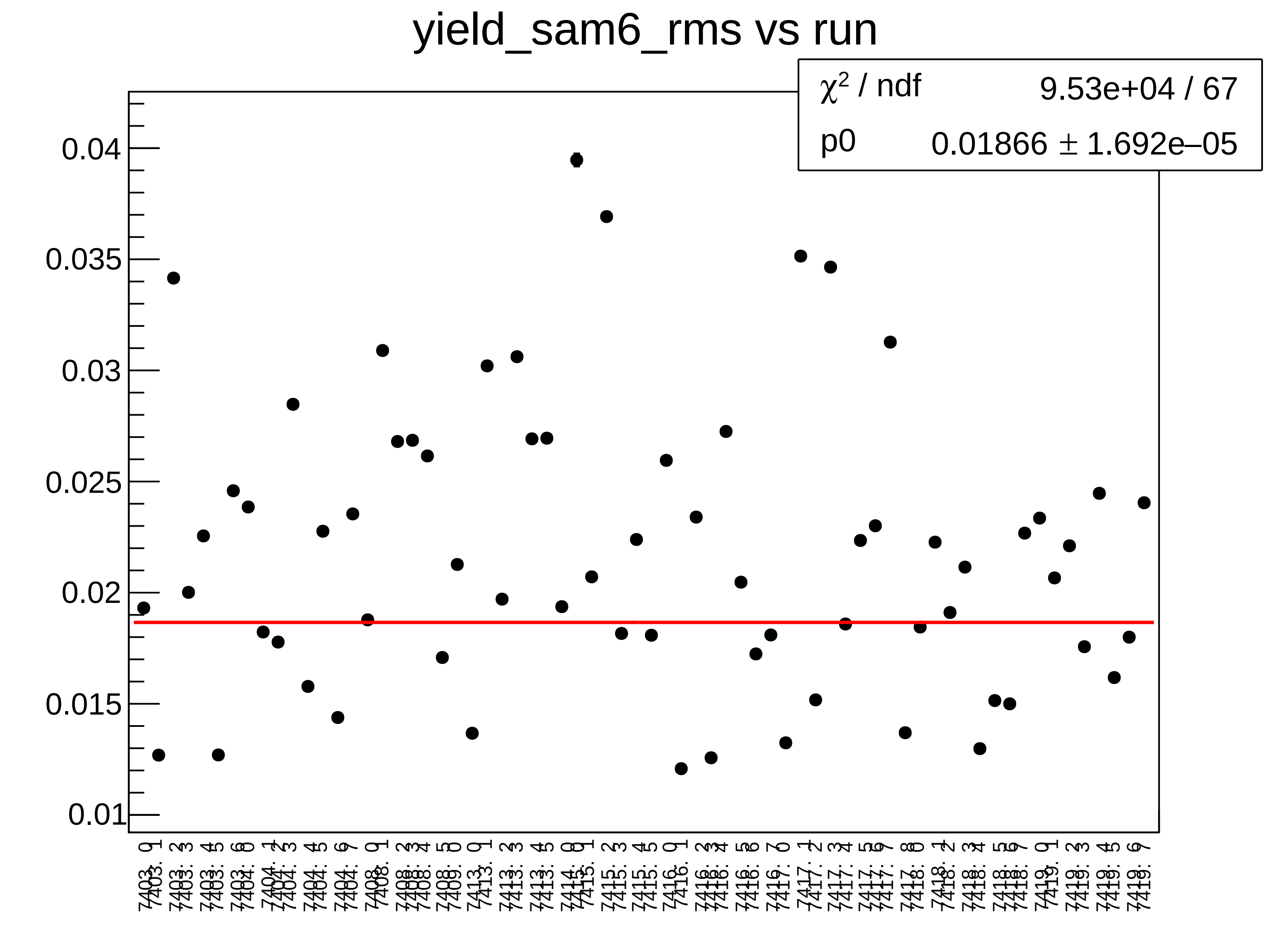


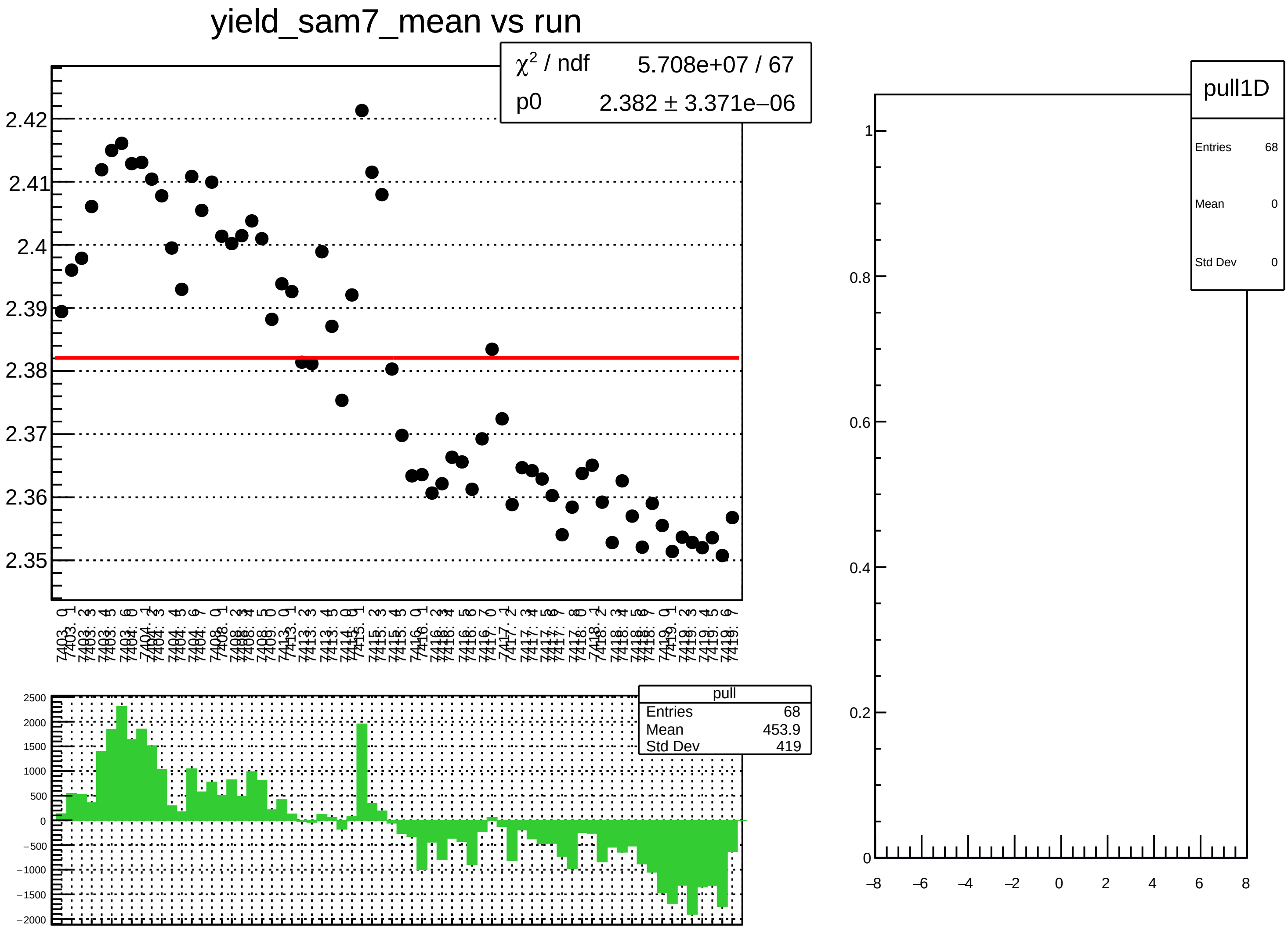


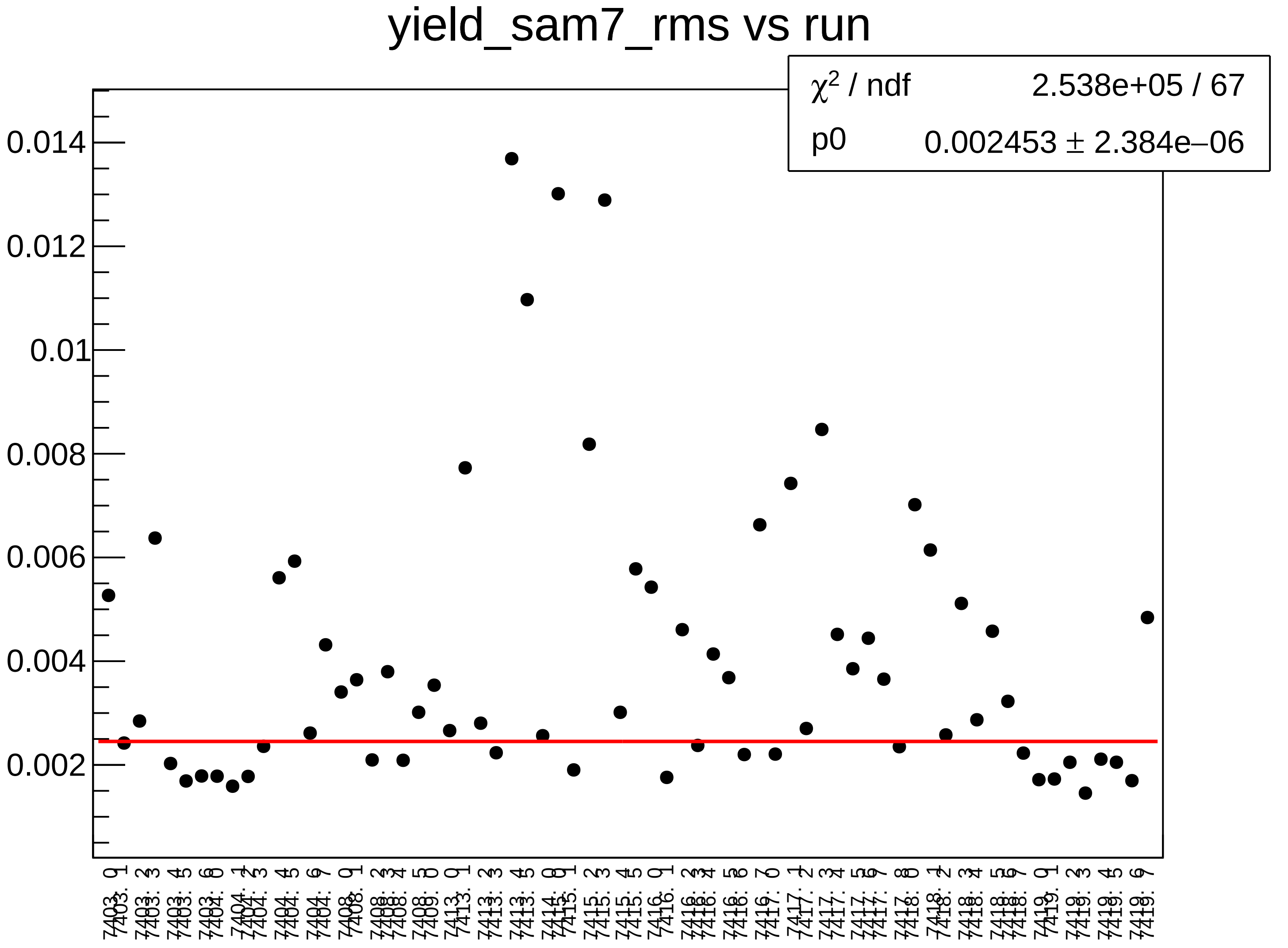

yield_sam5_rms vs run
χ2 / ndf 8.028e+04 / 67
p0 0.03362 ± 3.029e−05
0.12
0.1
0.08
0.06
0.04
0.02

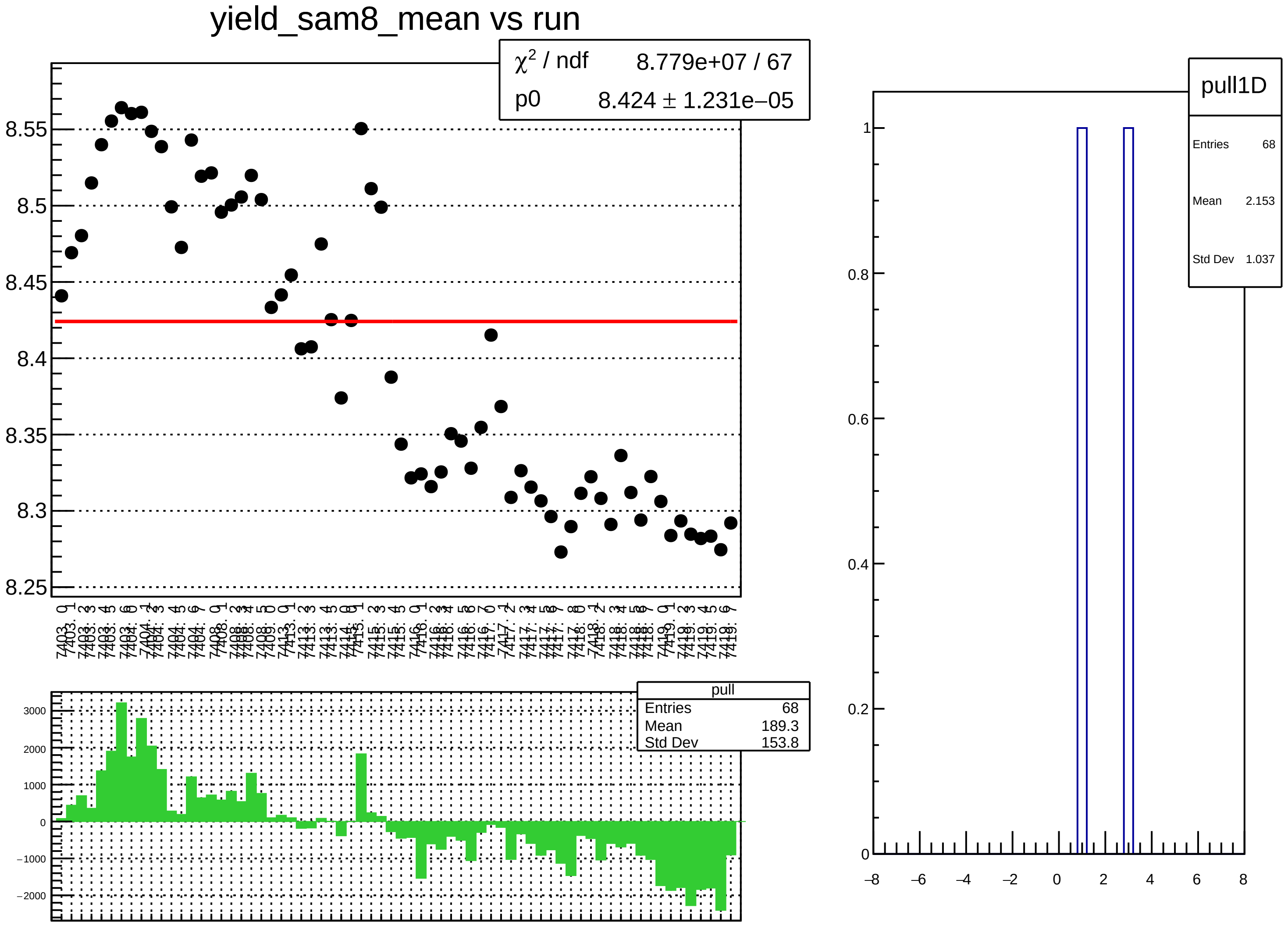

yield_sam6_mean vs run
χ^2 / ndf 8.033e+05 / 67
p0 8.638 ± 2.392e−05
8.68
8.66
8.64
8.62
8.6
200
100
0
−100
−200
pull
Entries 68
Mean −88.31
Std Dev 126.3

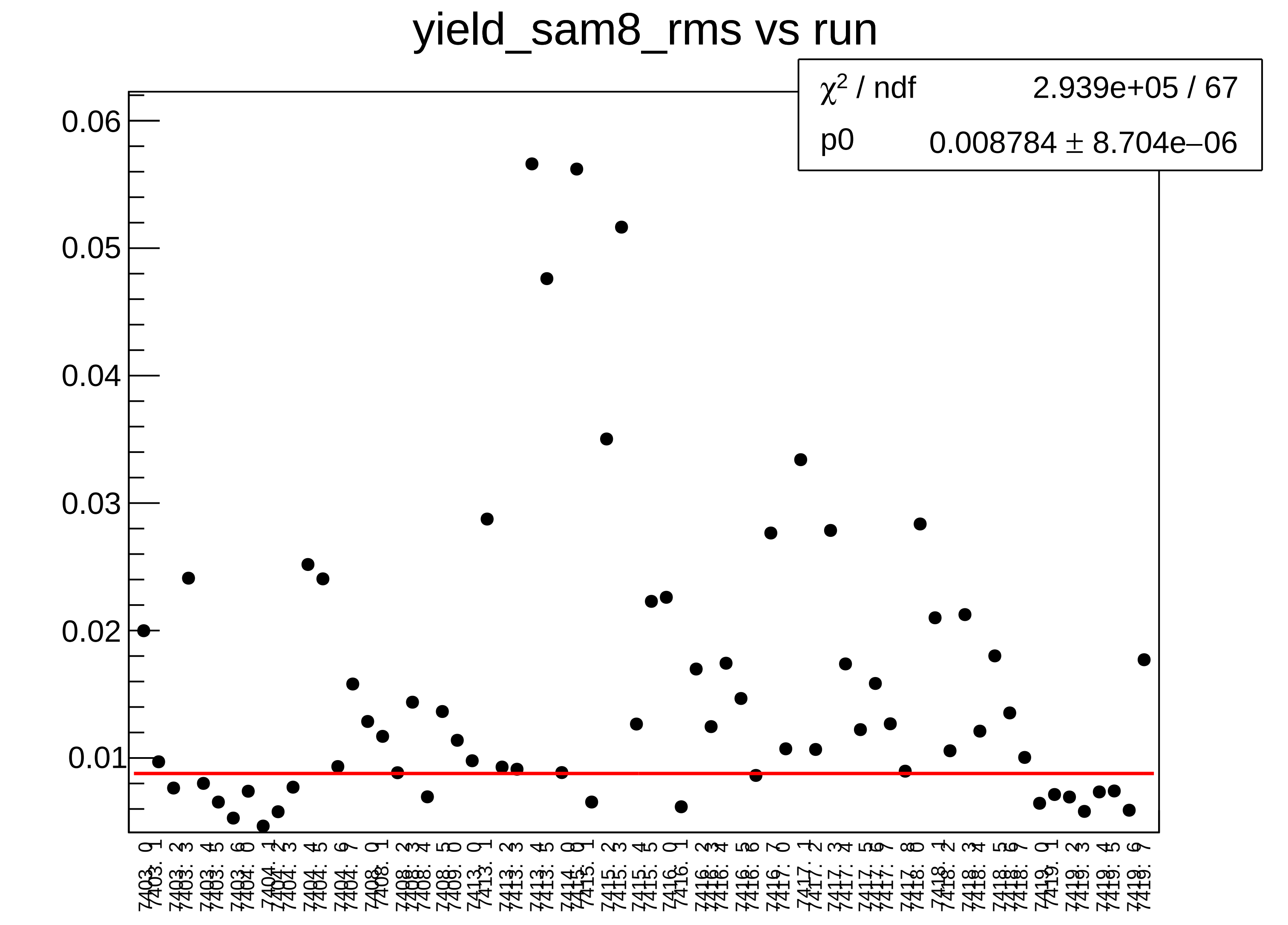

pull1D
Entries 68
Mean −4.909
Std Dev 2.608


yield_sam6_rms vs run
χ2 / ndf 9.53e+04 / 67
p0 0.01866 ± 1.692e−05

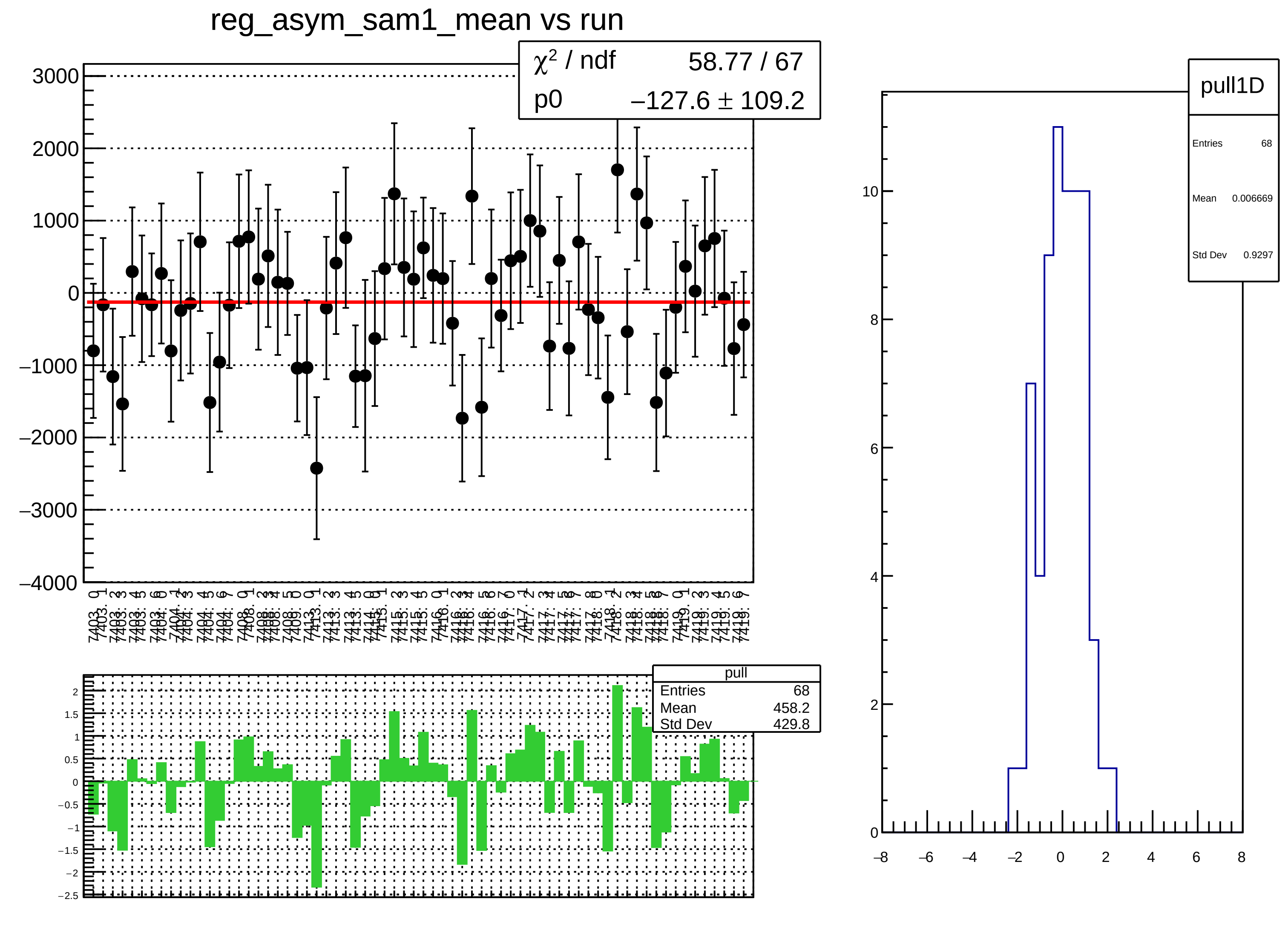

yield_sam7_mean vs run
χ^2 / ndf 5.708e+07 / 67
p0 2.382 ± 3.371e−06
pull
Entries 68
Mean 453.9
Std Dev 419
pull1D
Entries 68
Mean 0
Std Dev 0

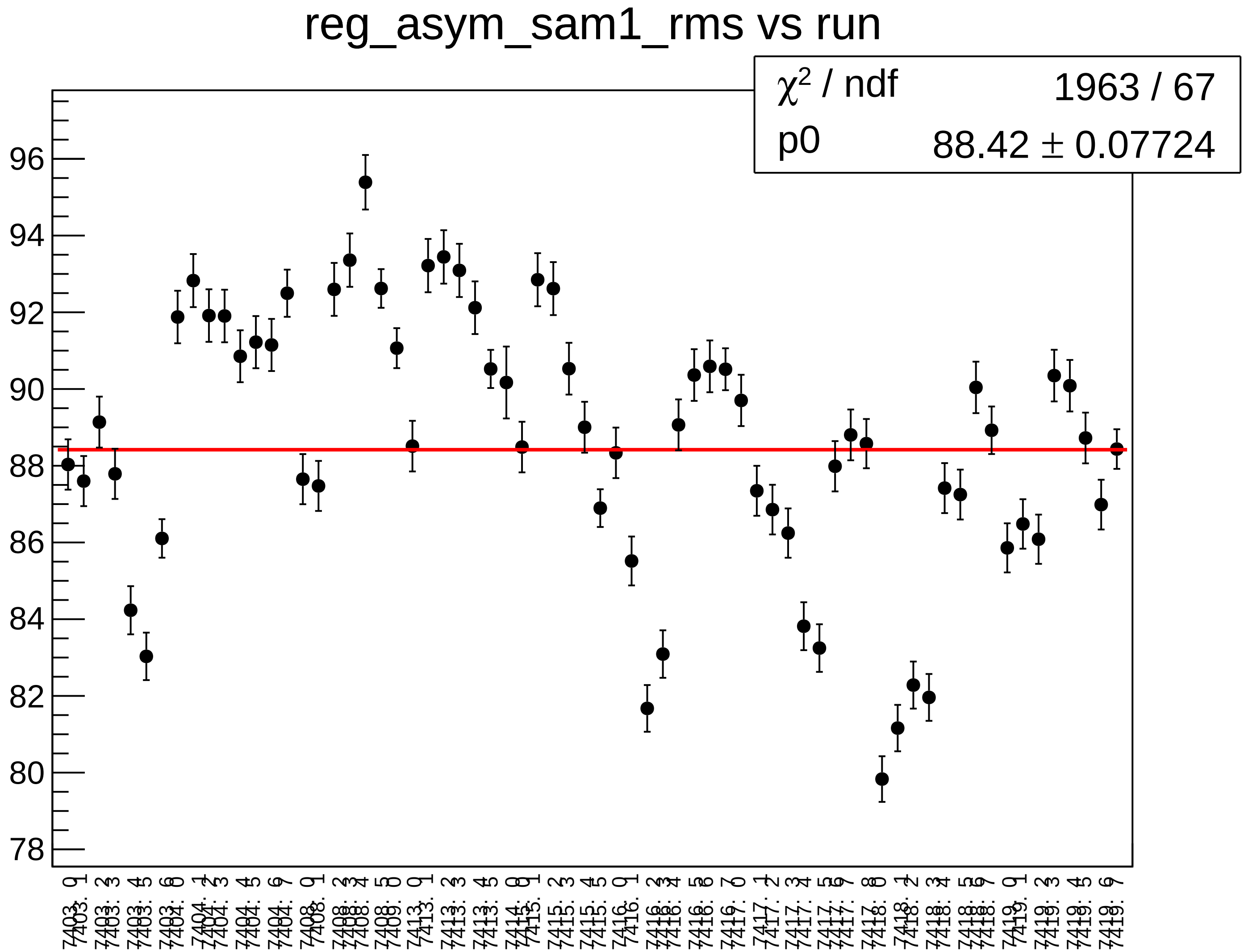

yield_sam7_rms vs run
χ^2 / ndf 2.538e+05 / 67
p0 0.002453 ± 2.384e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

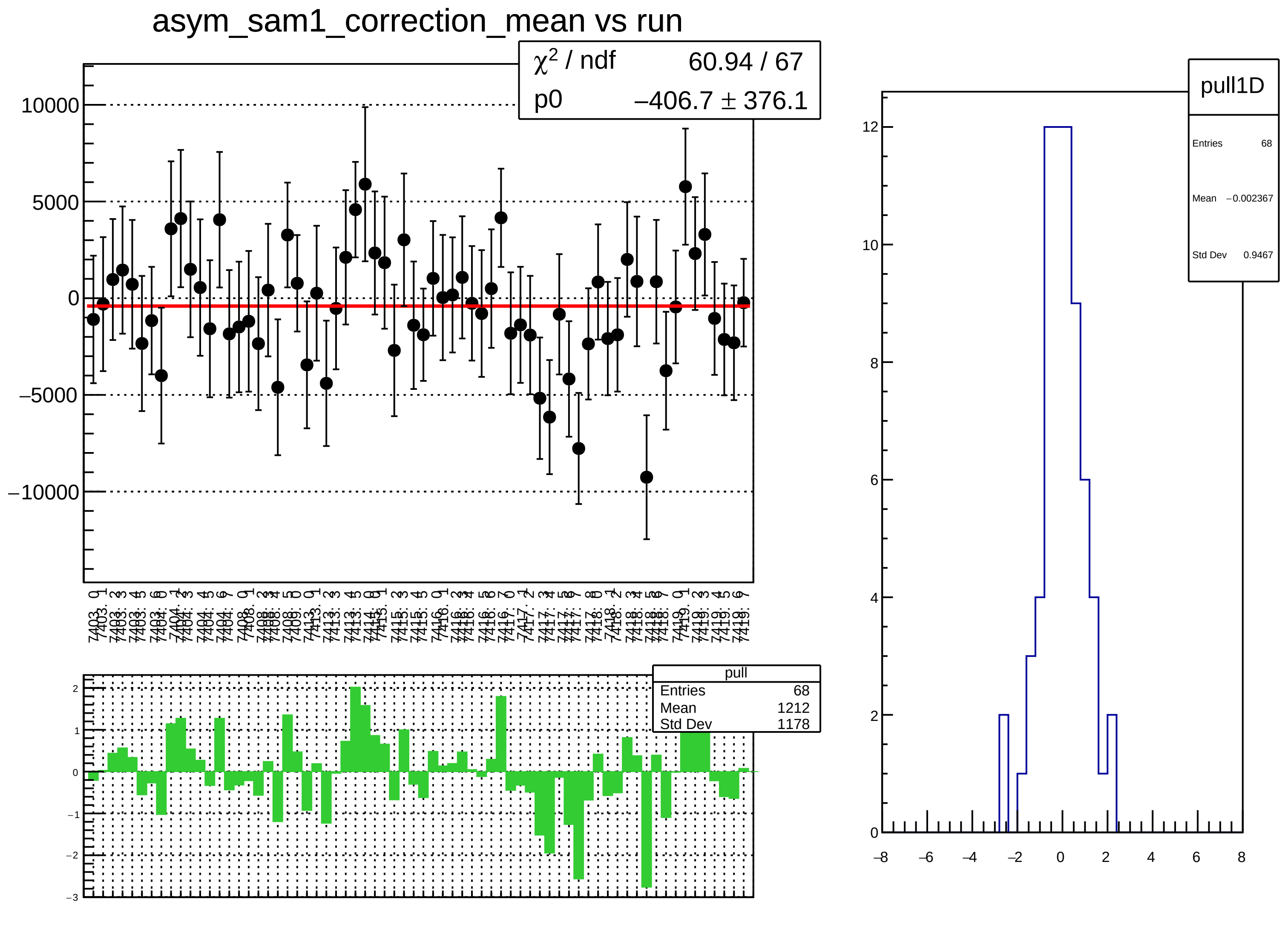

yield_sam8_mean vs run
χ^2 / ndf 8.779e+07 / 67
p0 8.424 ± 1.231e−05
8.55
8.5
8.45
8.4
8.35
8.3
8.25
pull
Entries 68
Mean 189.3
Std Dev 153.8
3000
2000
1000
0
−1000
−2000
pull1D
Entries 68
Mean 2.153
Std Dev 1.037
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



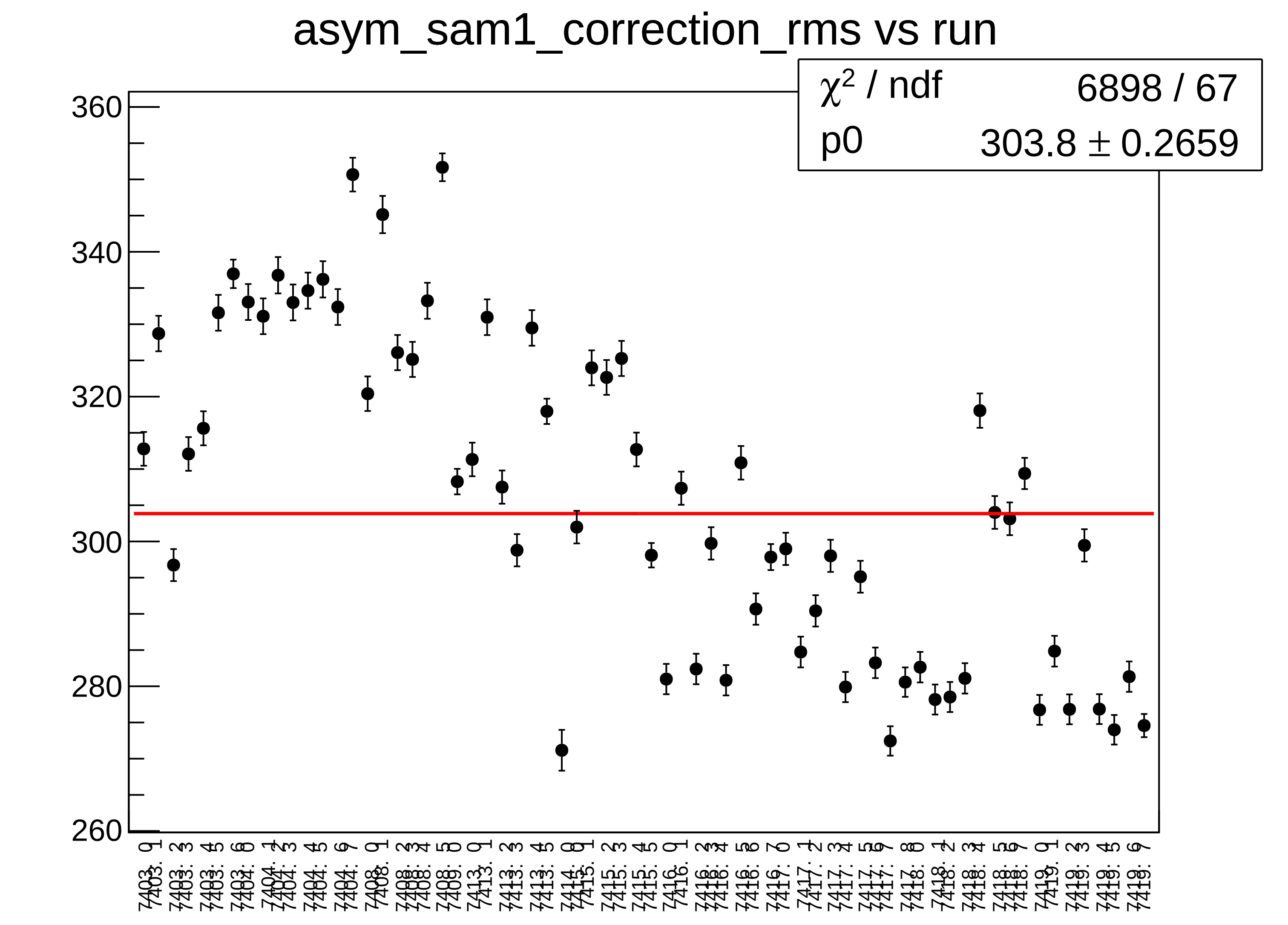
yield_sam8_rms vs run
χ2 / ndf 2.939e+05 / 67
p0 0.008784 ± 8.704e−06
0.06
0.05
0.04
0.03
0.02
0.01

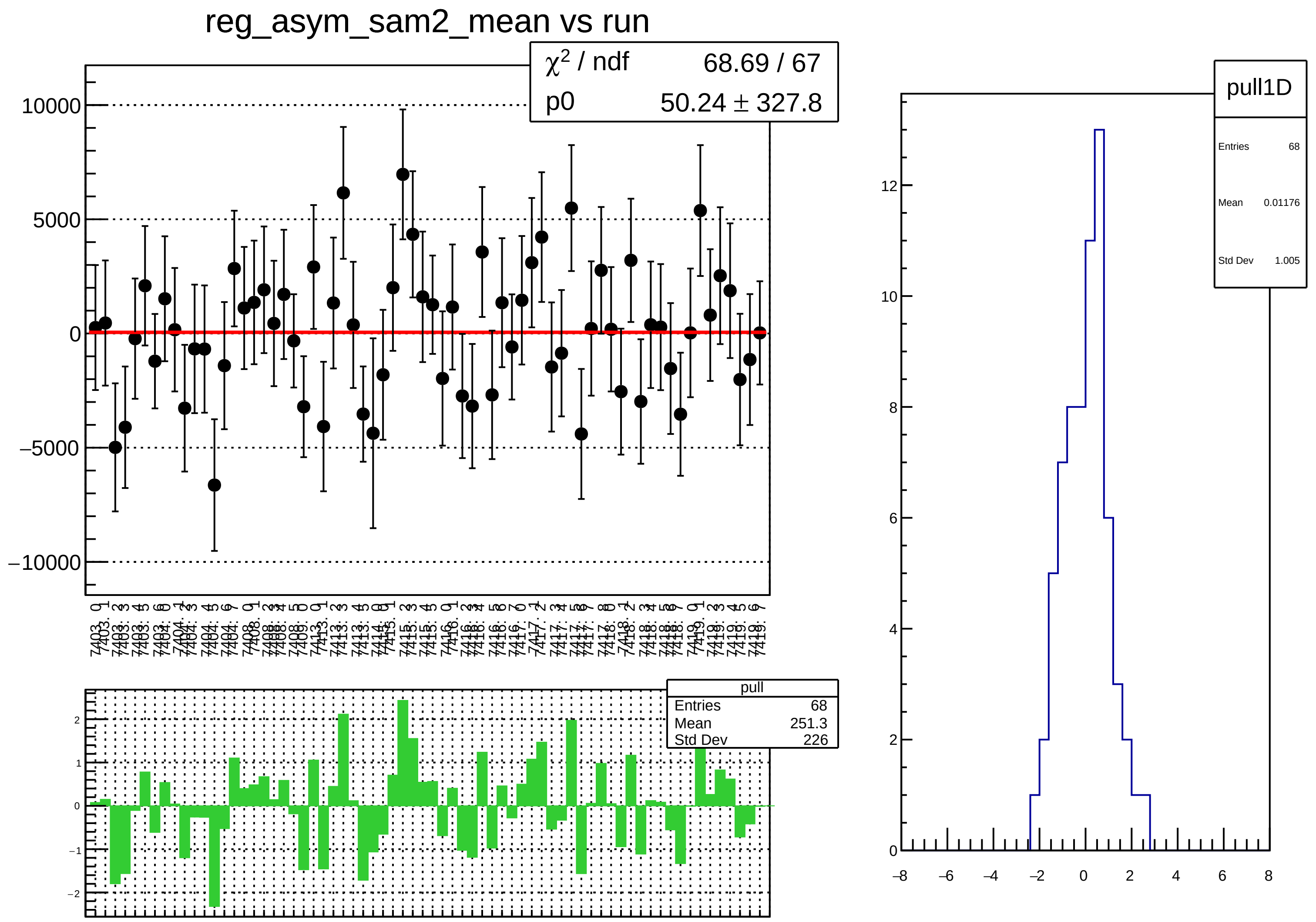

reg_asym_sam1_mean vs run
χ^2 / ndf 58.77 / 67
p0 −127.6 ± 109.2
pull
Entries 68
Mean 458.2
Std Dev 429.8
pull1D
Entries 68
Mean 0.006669
Std Dev 0.9297

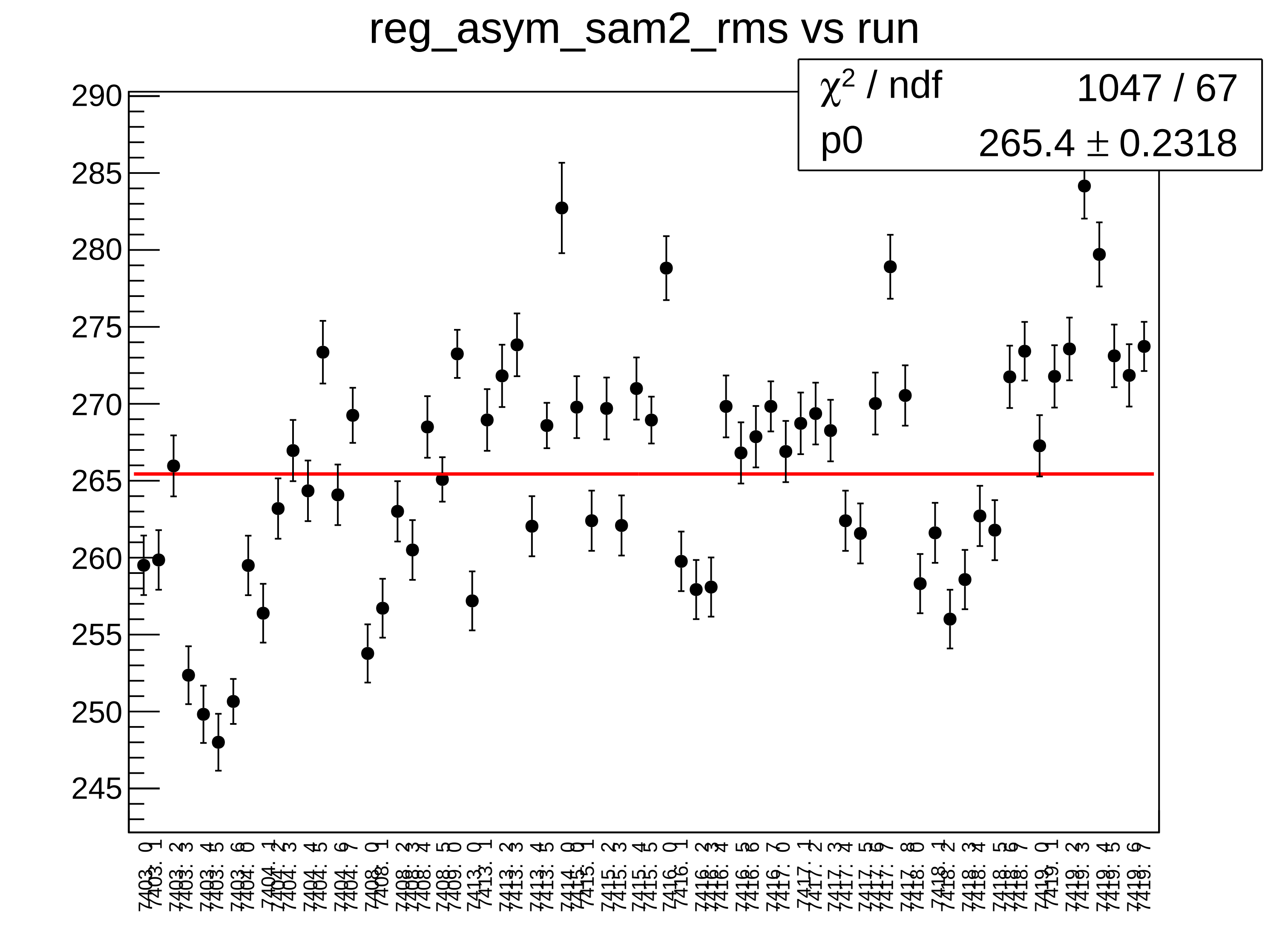

reg_asym_sam1_rms vs run
χ2 / ndf 1963 / 67
p0 88.42 ± 0.07724
96
94
92
90
88
86
84
82
80
78

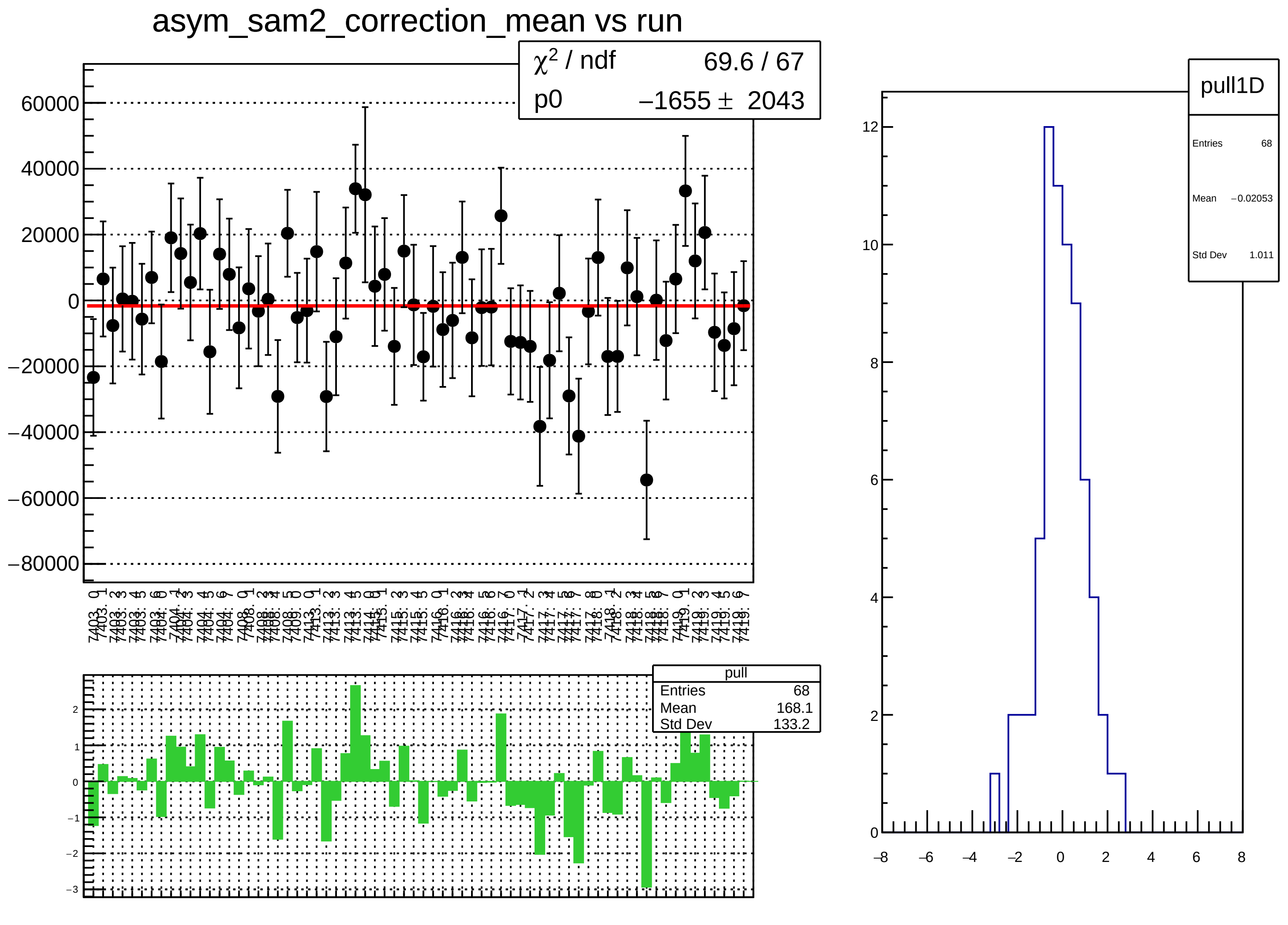


asym_sam1_correction_mean vs run
χ^2 / ndf 60.94 / 67
p0 −406.7 ± 376.1
pull
Entries 68
Mean 1212
Std Dev 1178
pull1D
Entries 68
Mean −0.002367
Std Dev 0.9467

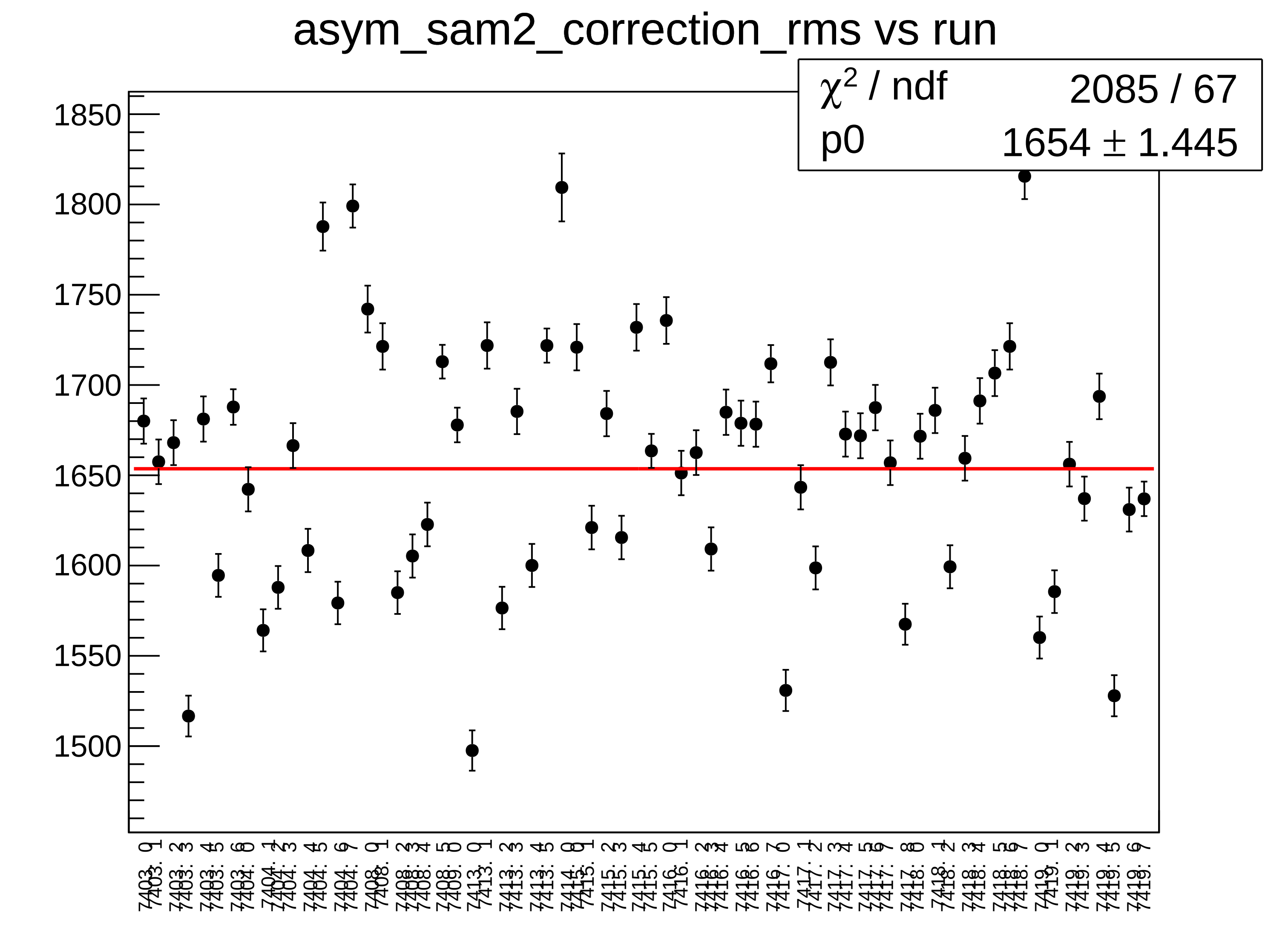

asym_sam1_correction_rms vs run
χ^2 / ndf 6898 / 67
p0 303.8 ± 0.2659
360
340
320
300
280
260

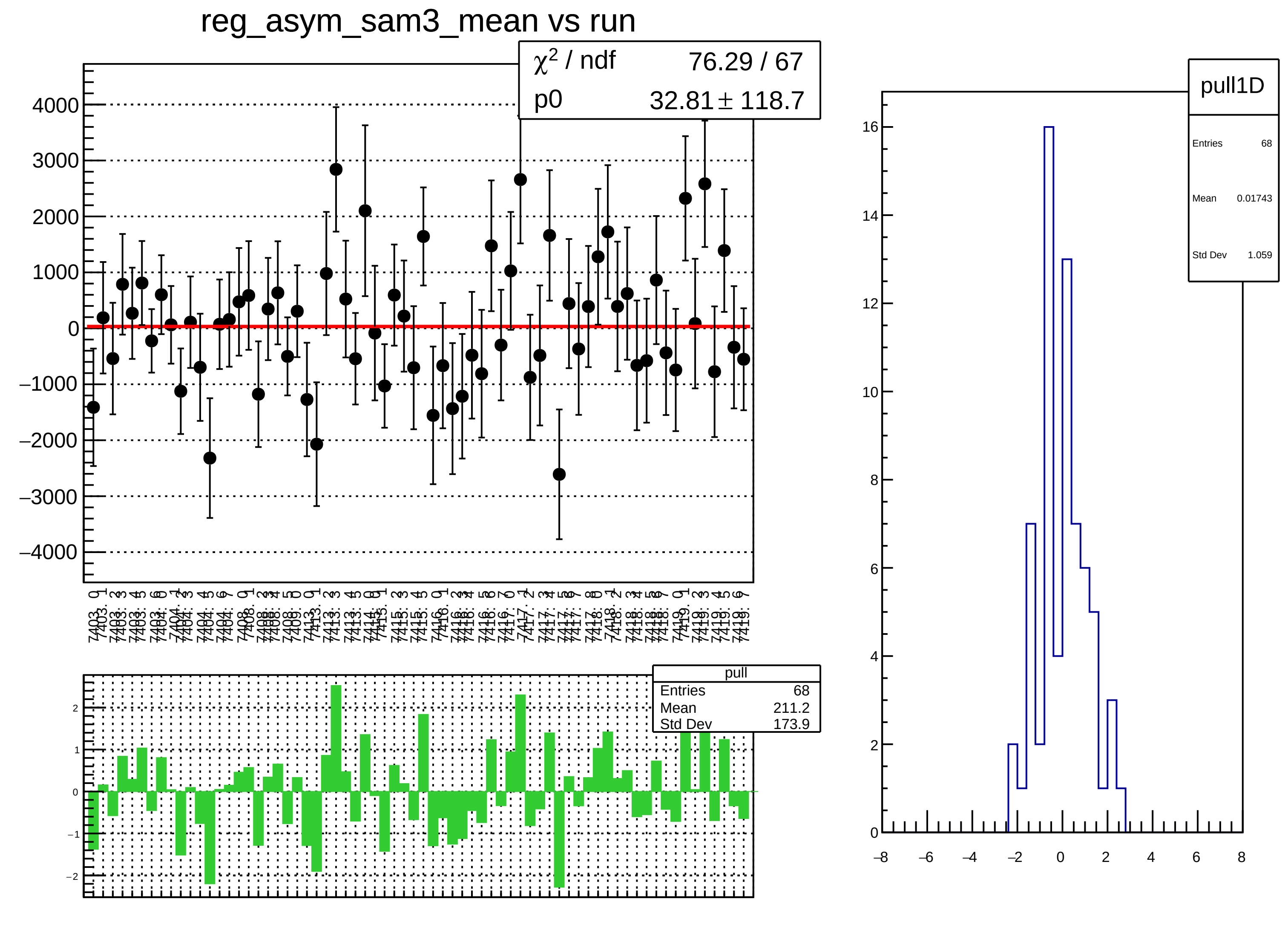

reg_asym_sam2_mean vs run
χ2 / ndf 68.69 / 67
p0 50.24 ± 327.8
pull
Entries 68
Mean 251.3
Std Dev 226
pull1D
Entries 68
Mean 0.01176
Std Dev 1.005


reg_asym_sam2_rms vs run
χ2 / ndf 1047 / 67
p0 265.4 ± 0.2318
290
285
280
275
270
265
260
255
250
245

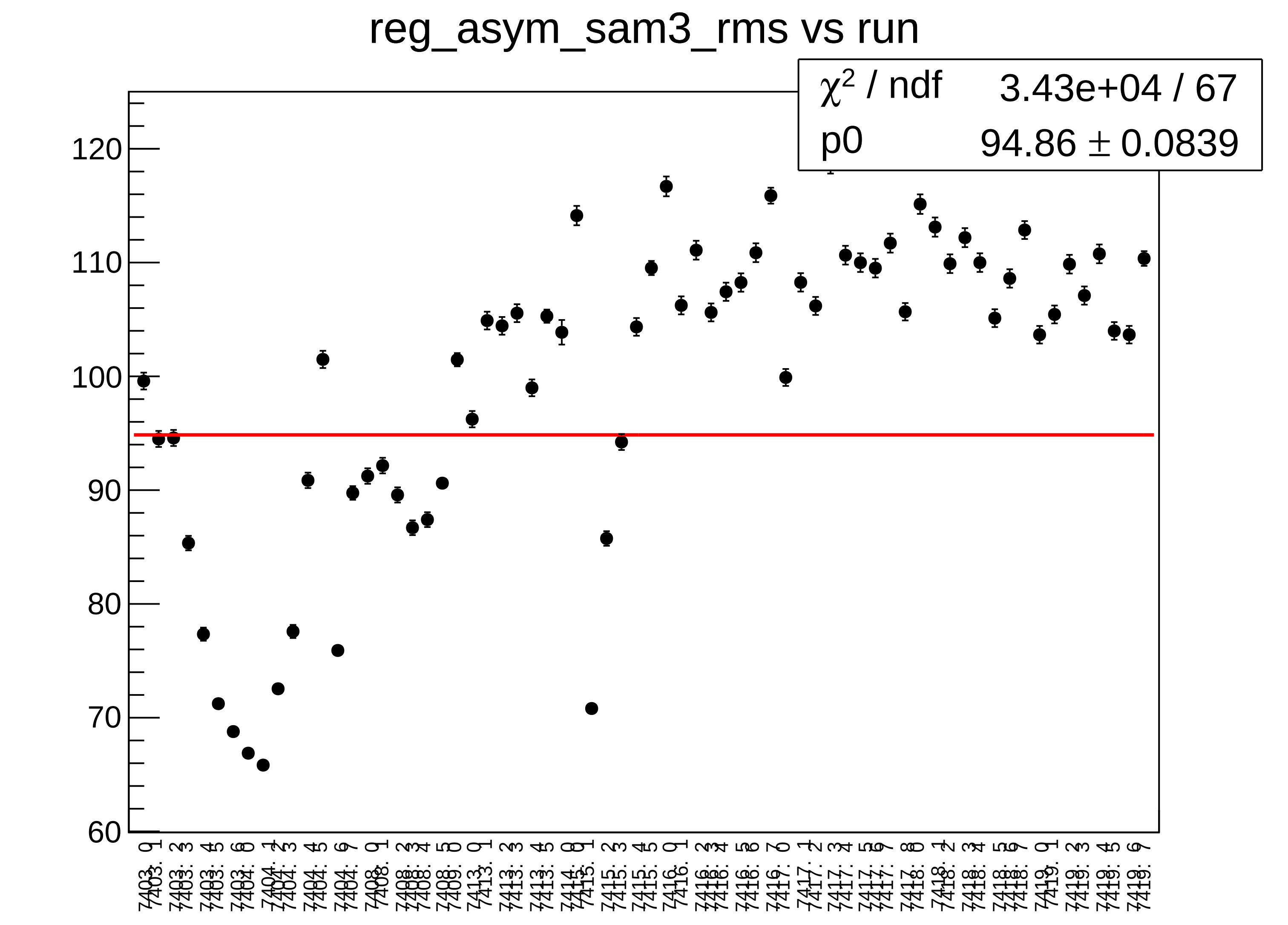


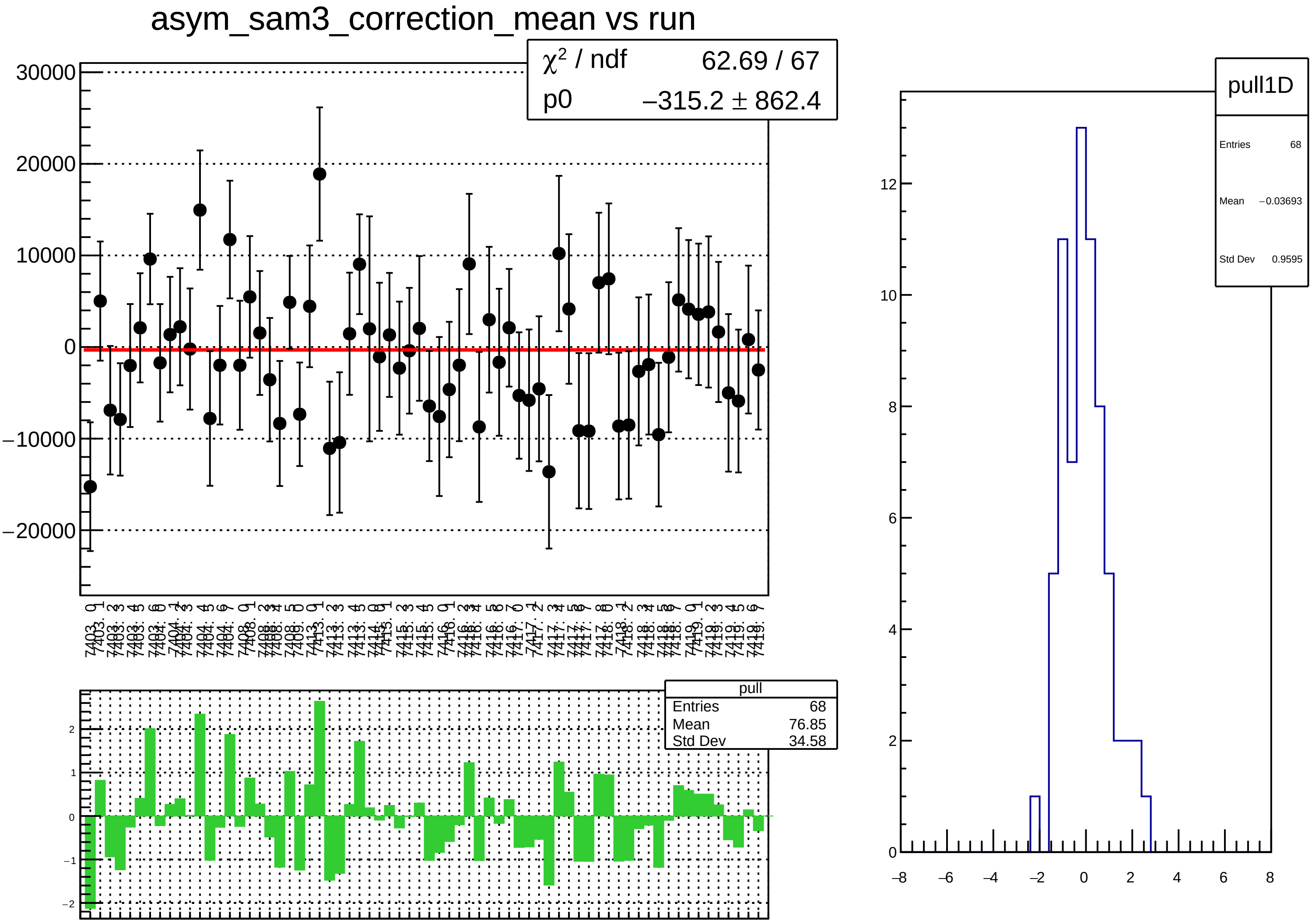
asym_sam2_correction_mean vs run
χ^2 / ndf 69.6 / 67
p0 −1655 ± 2043
pull
Entries 68
Mean 168.1
Std Dev 133.2
pull1D
Entries 68
Mean −0.02053
Std Dev 1.011


asym_sam2_correction_rms vs run
χ^2 / ndf 2085 / 67
p0 1654 ± 1.445
1850
1800
1750
1700
1650
1600
1550
1500

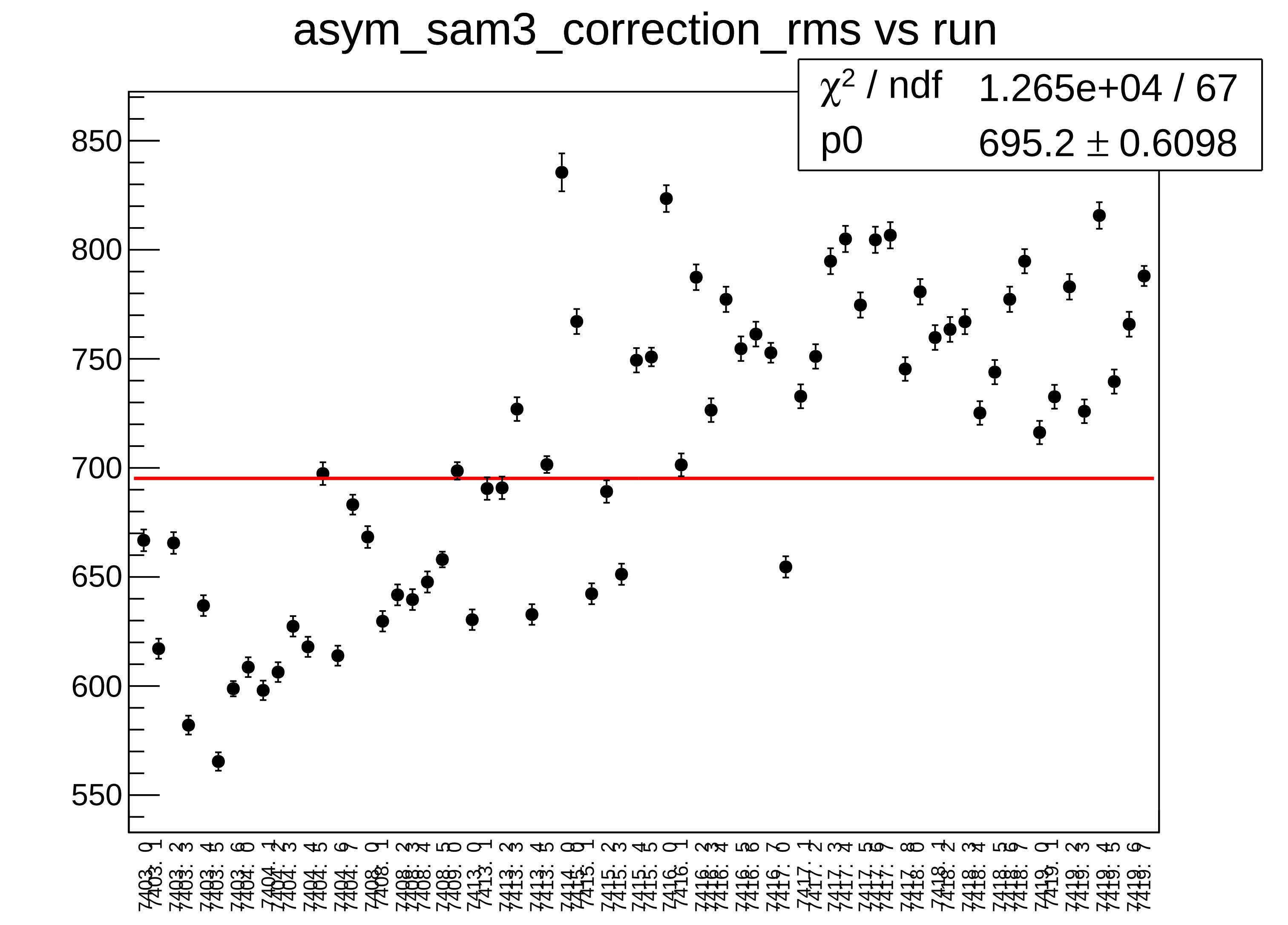


reg_asym_sam3_mean vs run
χ^2 / ndf 76.29 / 67
p0 32.81 ± 118.7
pull
Entries 68
Mean 211.2
Std Dev 173.9
pull1D
Entries 68
Mean 0.01743
Std Dev 1.059

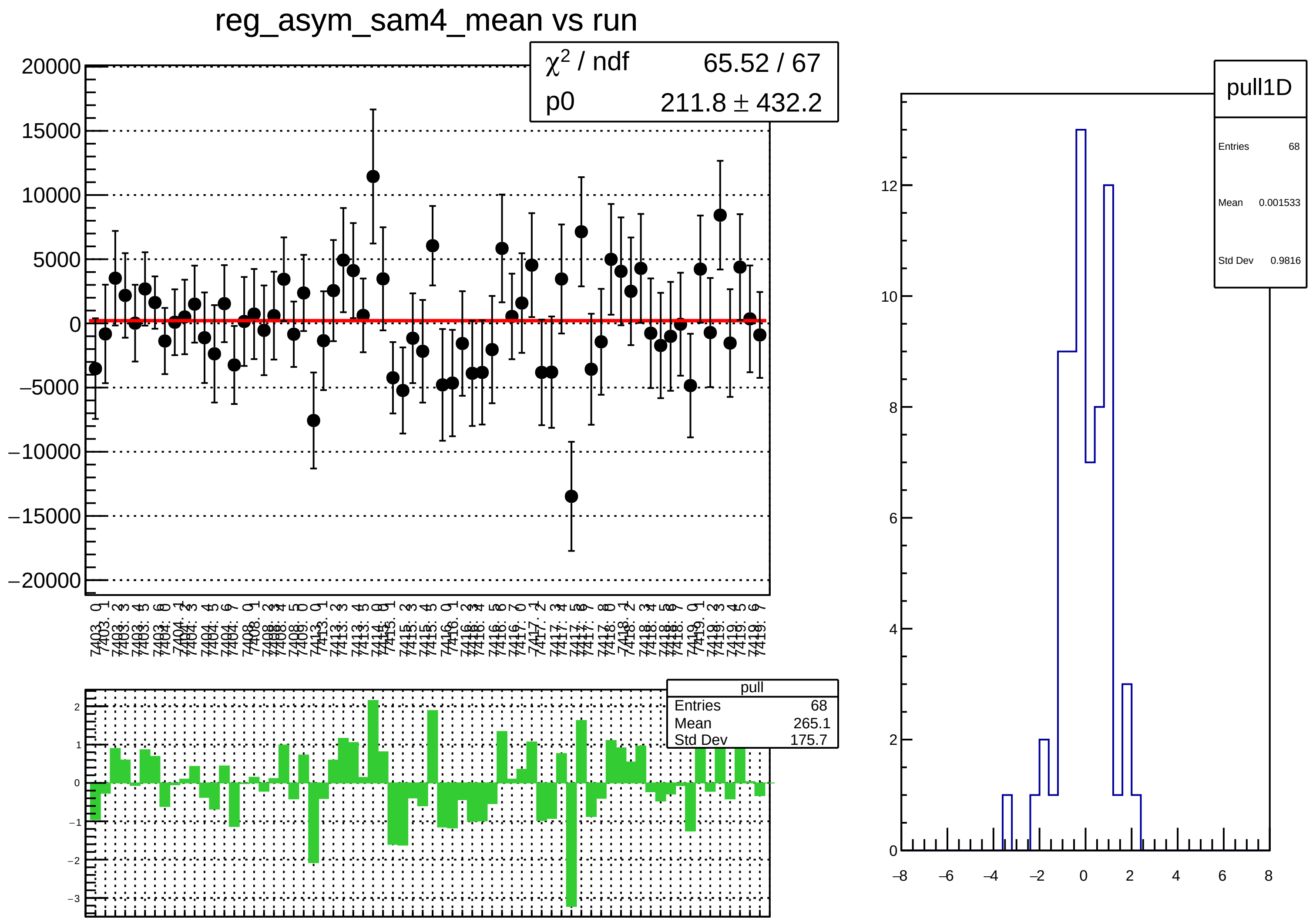

reg_asym_sam3_rms vs run
χ2 / ndf 3.43e+04 / 67
p0 94.86 ± 0.0839
120
110
100
90
80
70
60

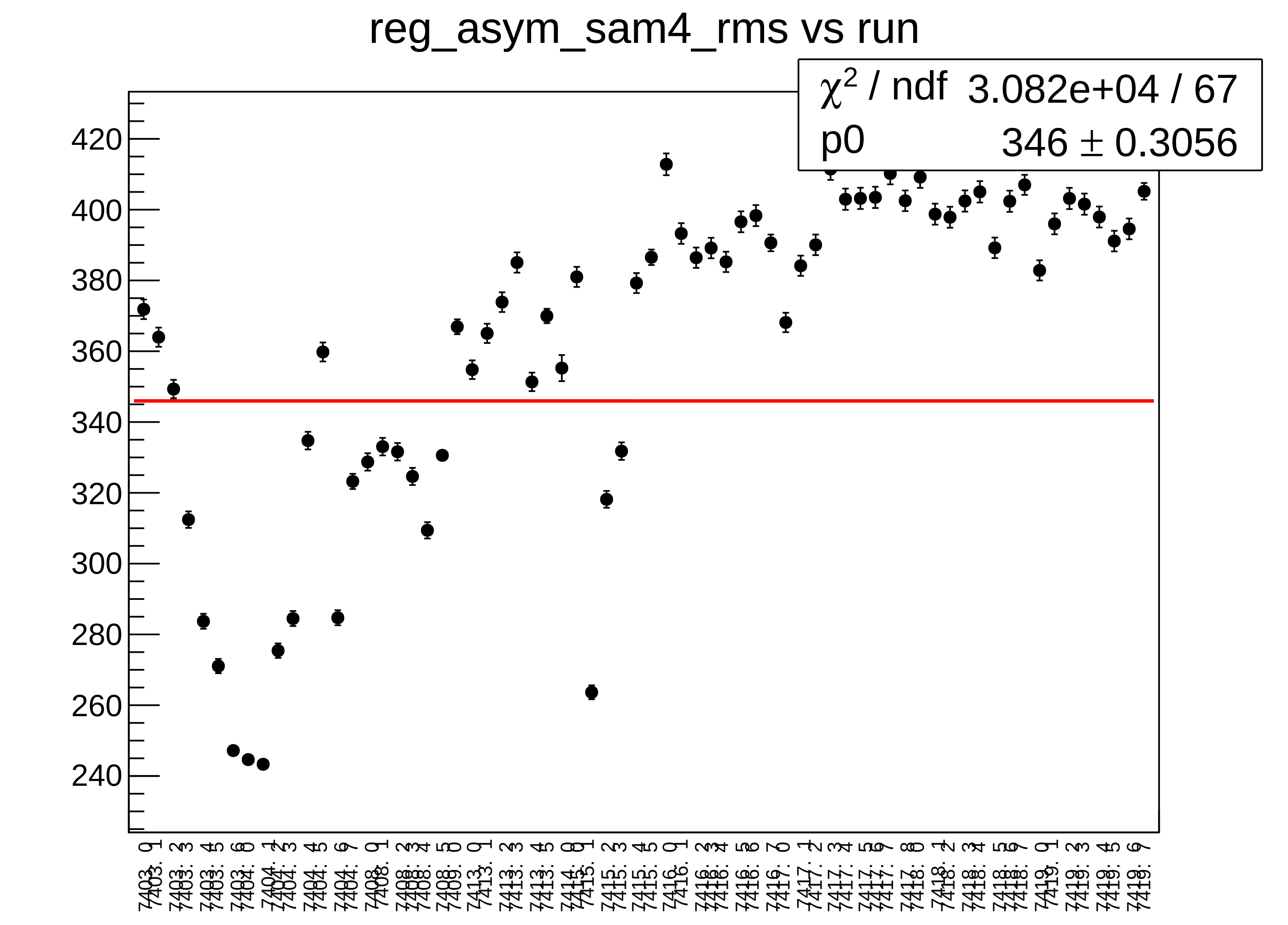


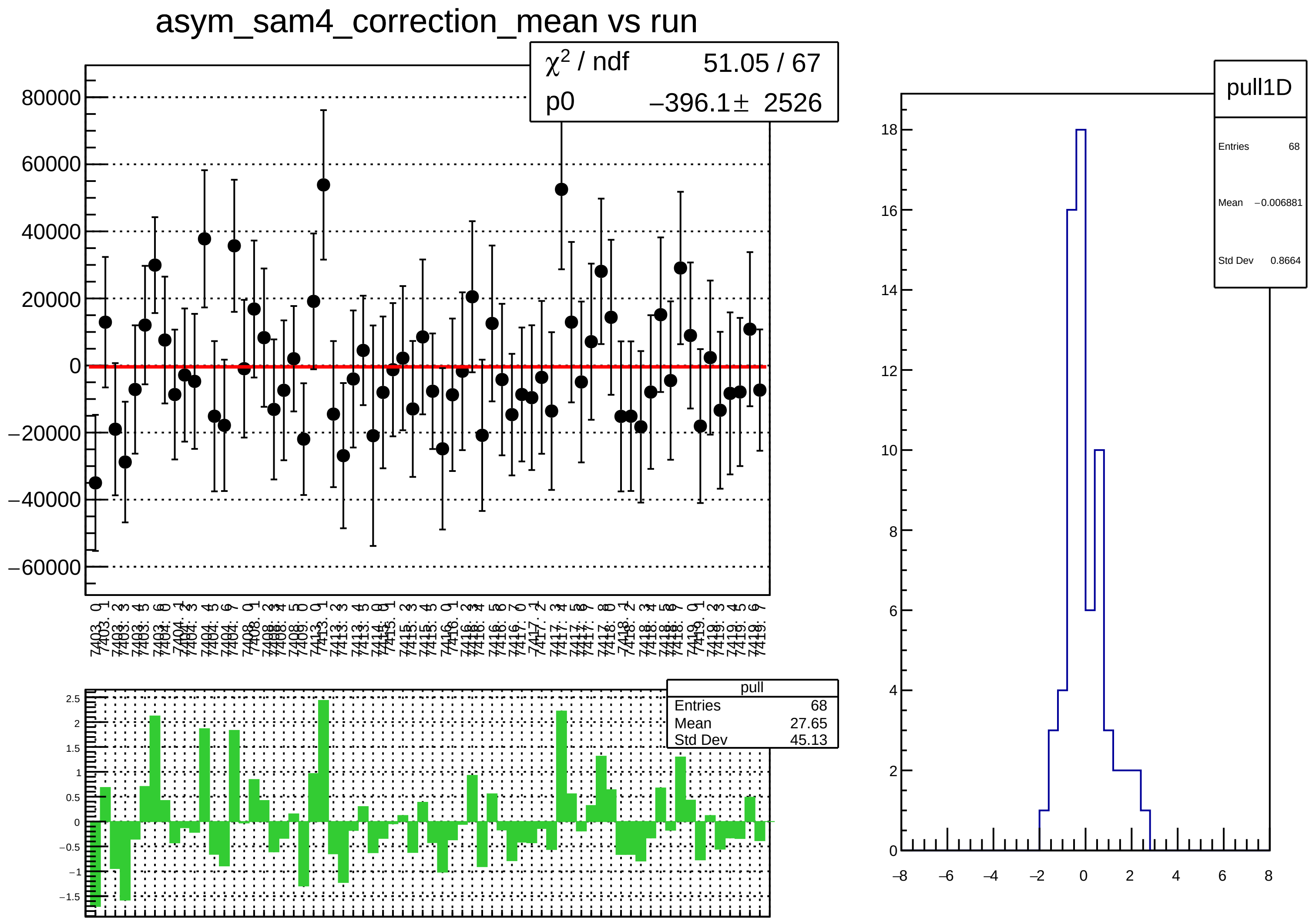
asym_sam3_correction_mean vs run
χ2 / ndf 62.69 / 67
p0 −315.2 ± 862.4
30000
20000
10000
0
−10000
−20000
pull
Entries 68
Mean 76.85
Std Dev 34.58
pull1D
Entries 68
Mean −0.03693
Std Dev 0.9595



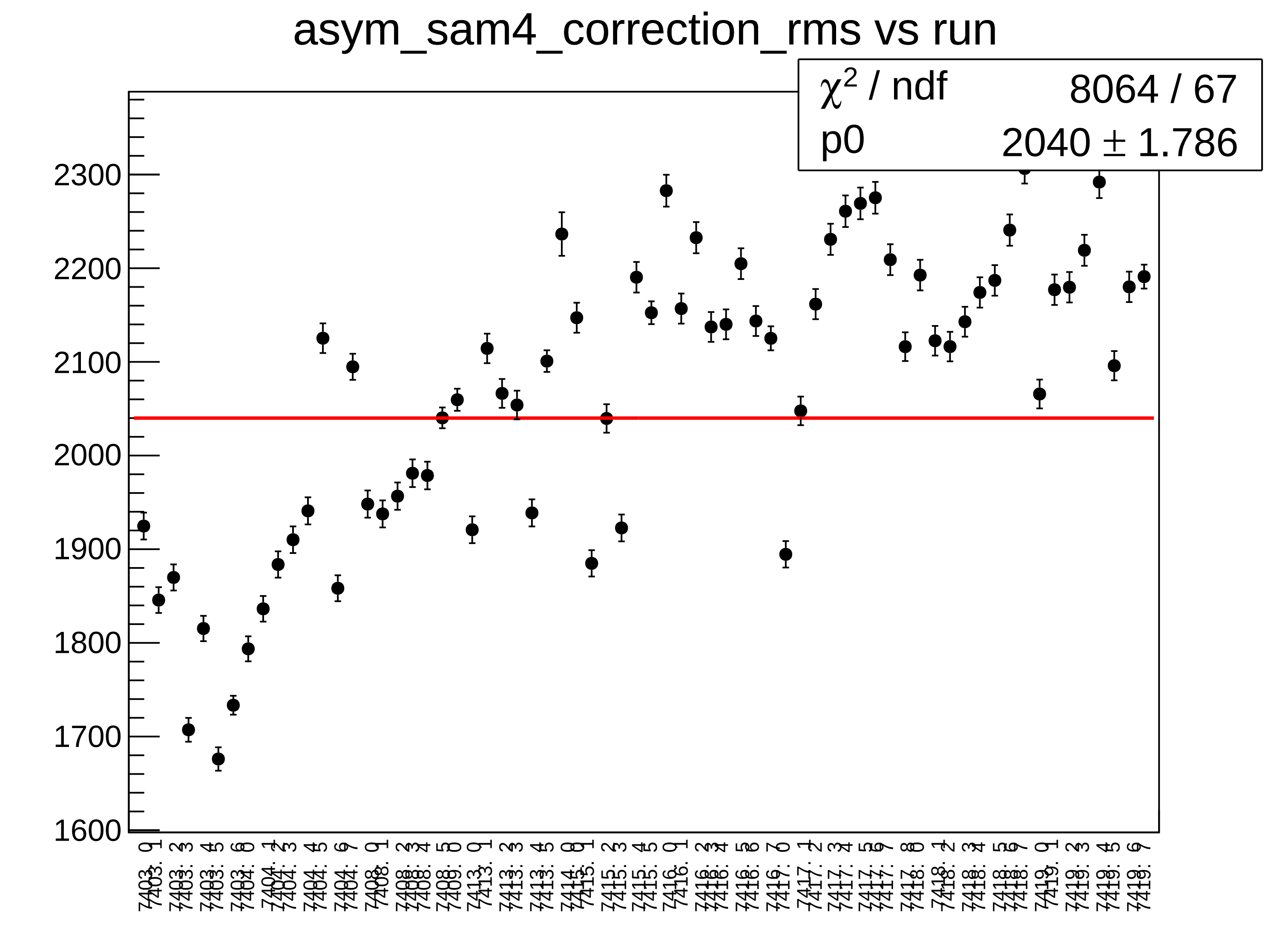
asym_sam3_correction_rms vs run
χ^2 / ndf 1.265e+04 / 67
p0 695.2 ± 0.6098
850
800
750
700
650
600
550


reg_asym_sam4_mean vs run
χ2 / ndf 65.52 / 67
p0 211.8 ± 432.2
pull
Entries 68
Mean 265.1
Std Dev 175.7
pull1D
Entries 68
Mean 0.001533
Std Dev 0.9816

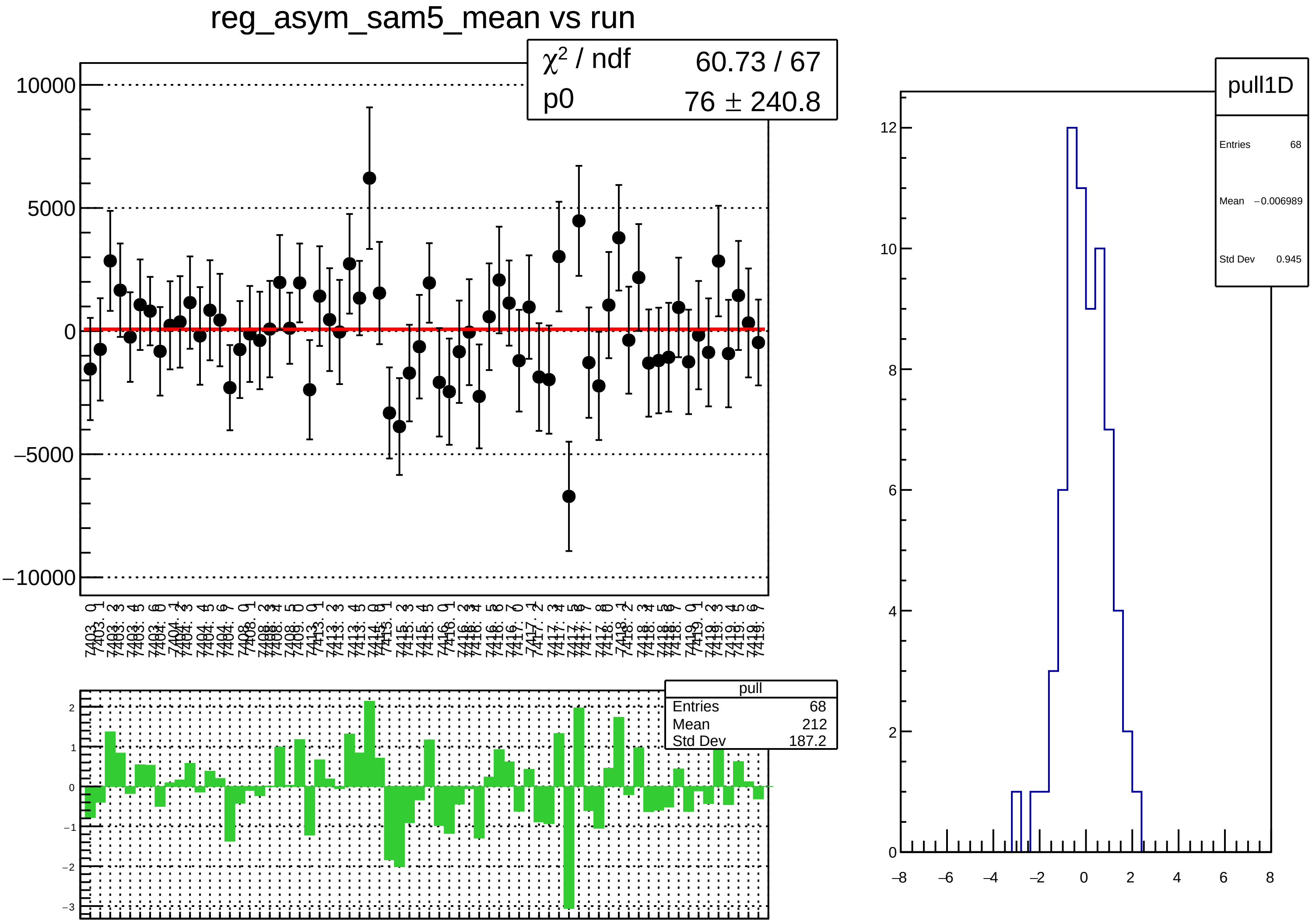

reg_asym_sam4_rms vs run
χ² / ndf 3.082e+04 / 67
p0 346 ± 0.3056
420
400
380
360
340
320
300
280
260
240



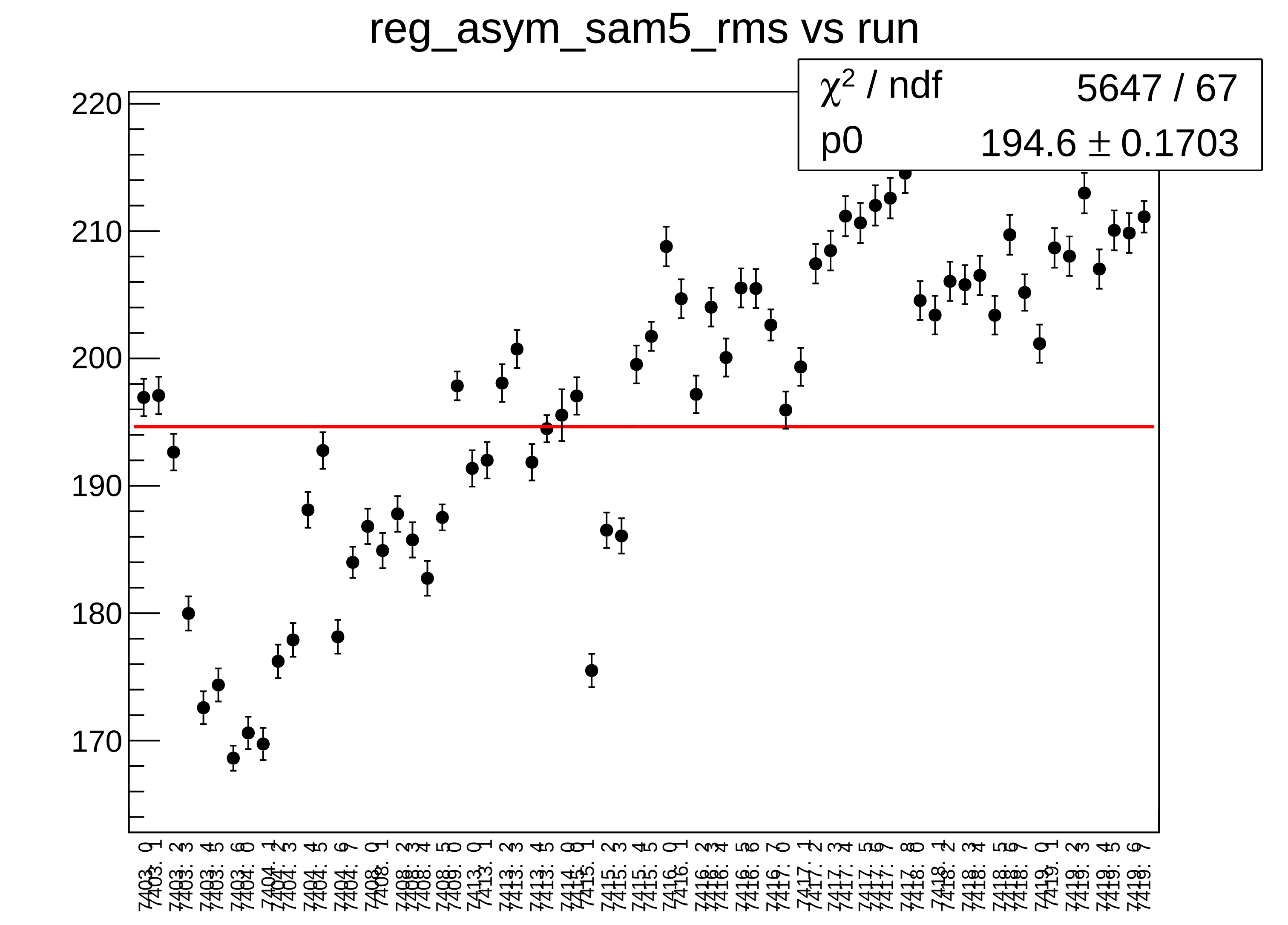
asym_sam4_correction_mean vs run
χ² / ndf 51.05 / 67
p0 −396.1 ± 2526
pull
Entries 68
Mean 27.65
Std Dev 45.13
pull1D
Entries 68
Mean −0.006881
Std Dev 0.8664

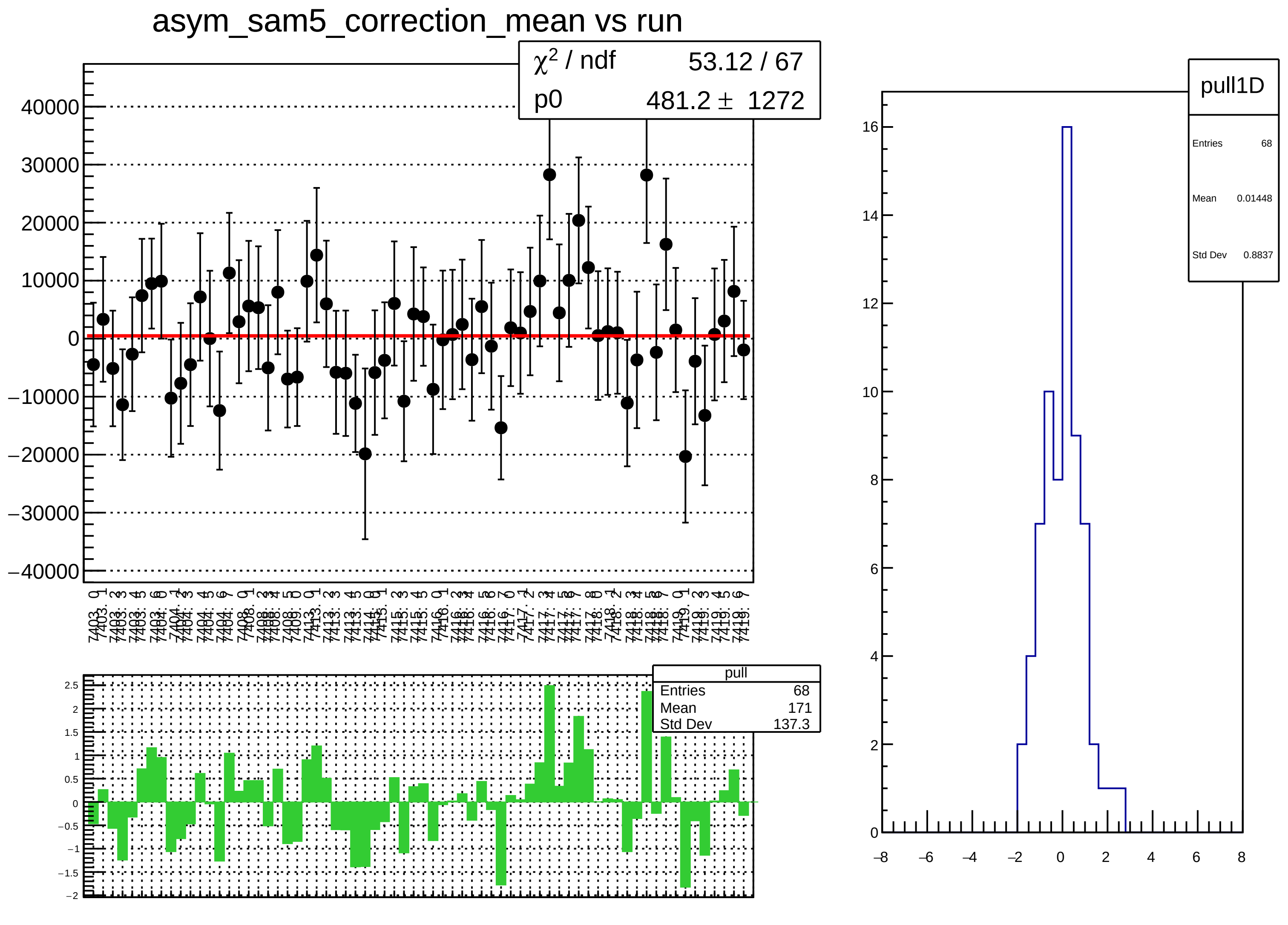


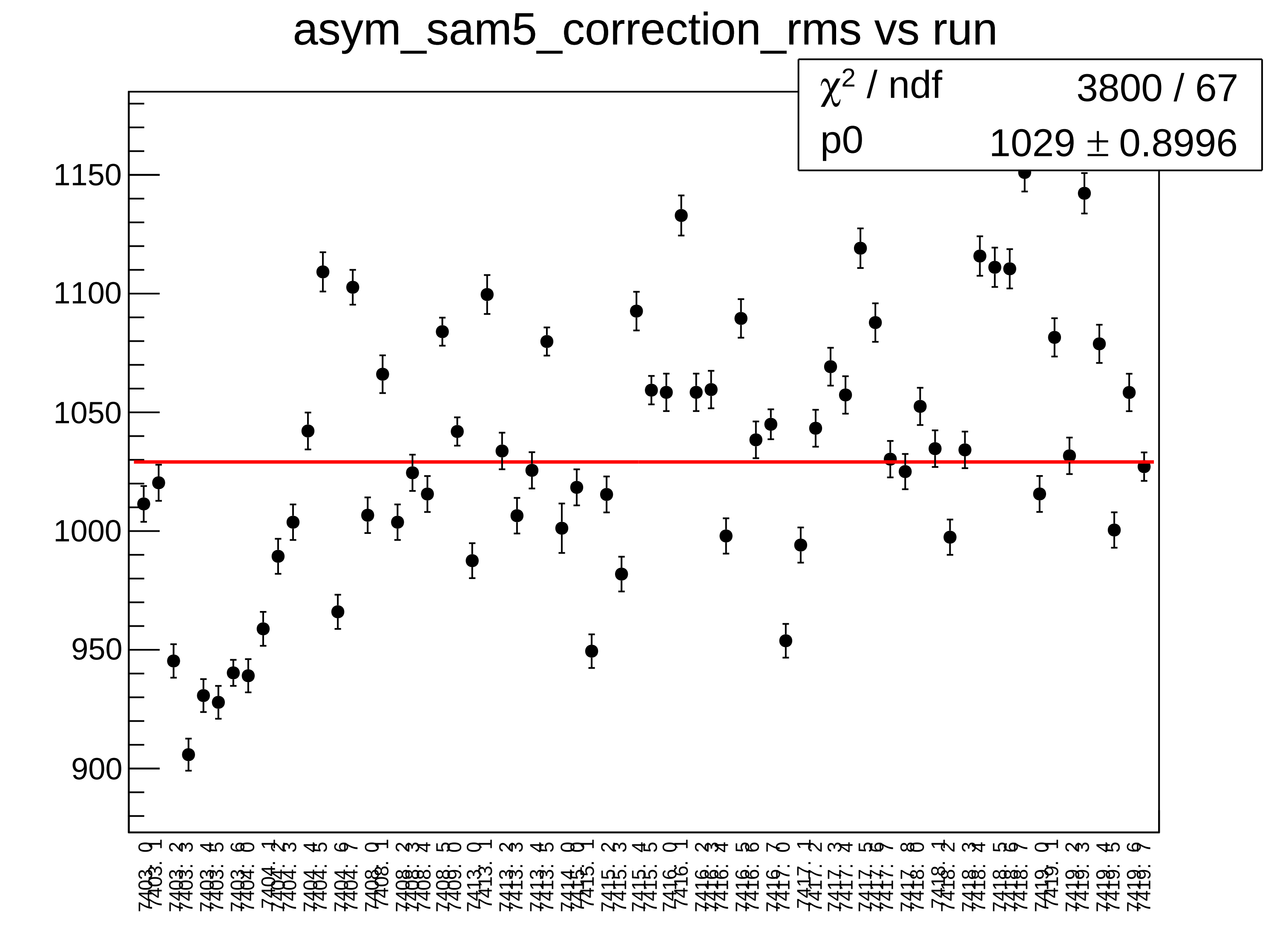
asym_sam4_correction_rms vs run
χ2 / ndf 8064 / 67
p0 2040 ± 1.786
2300
2200
2100
2000
1900
1800
1700
1600



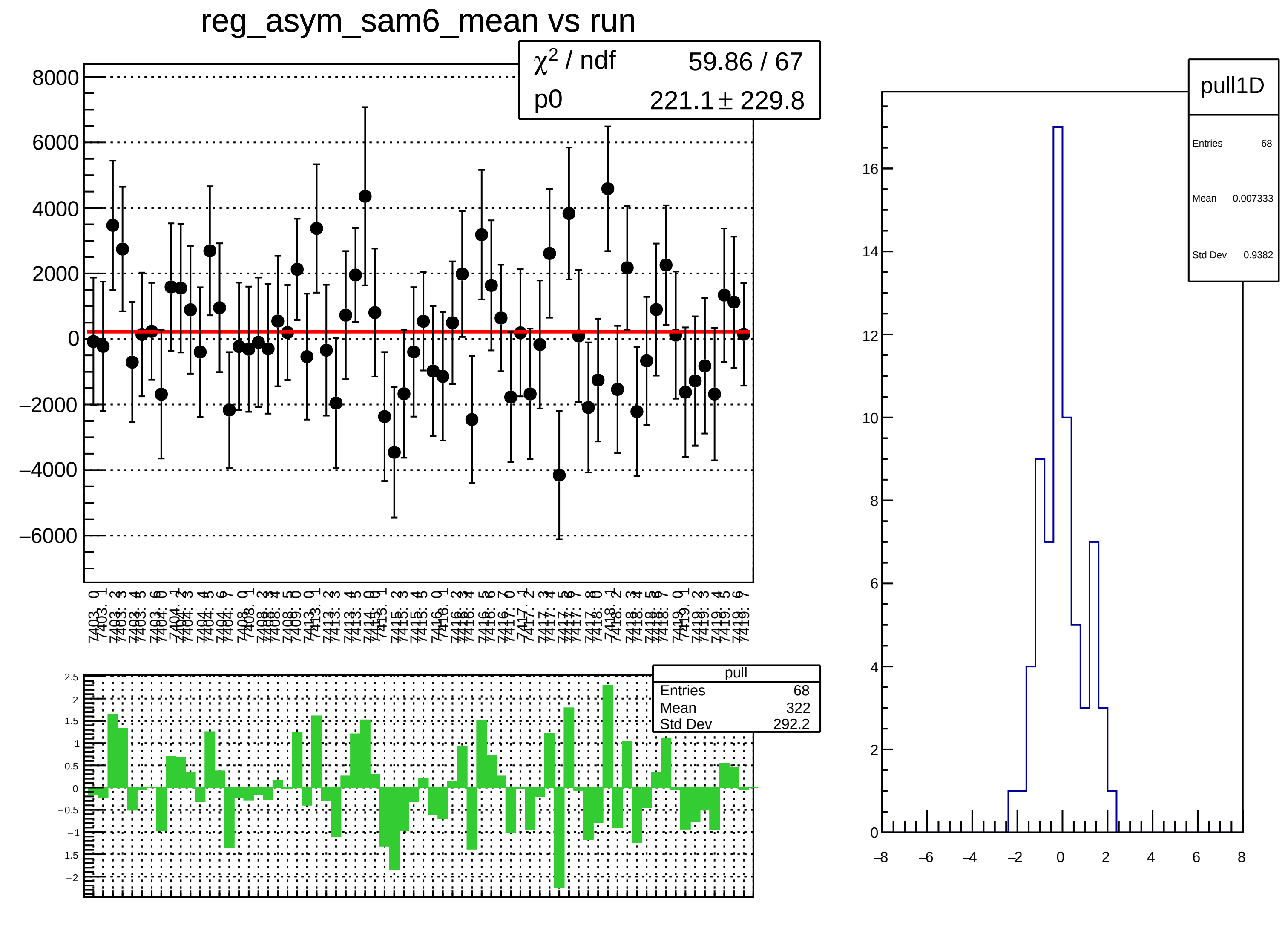
reg_asym_sam5_mean vs run
χ^2 / ndf 60.73 / 67
p0 76 ± 240.8
pull
Entries 68
Mean 212
Std Dev 187.2
pull1D
Entries 68
Mean −0.006989
Std Dev 0.945



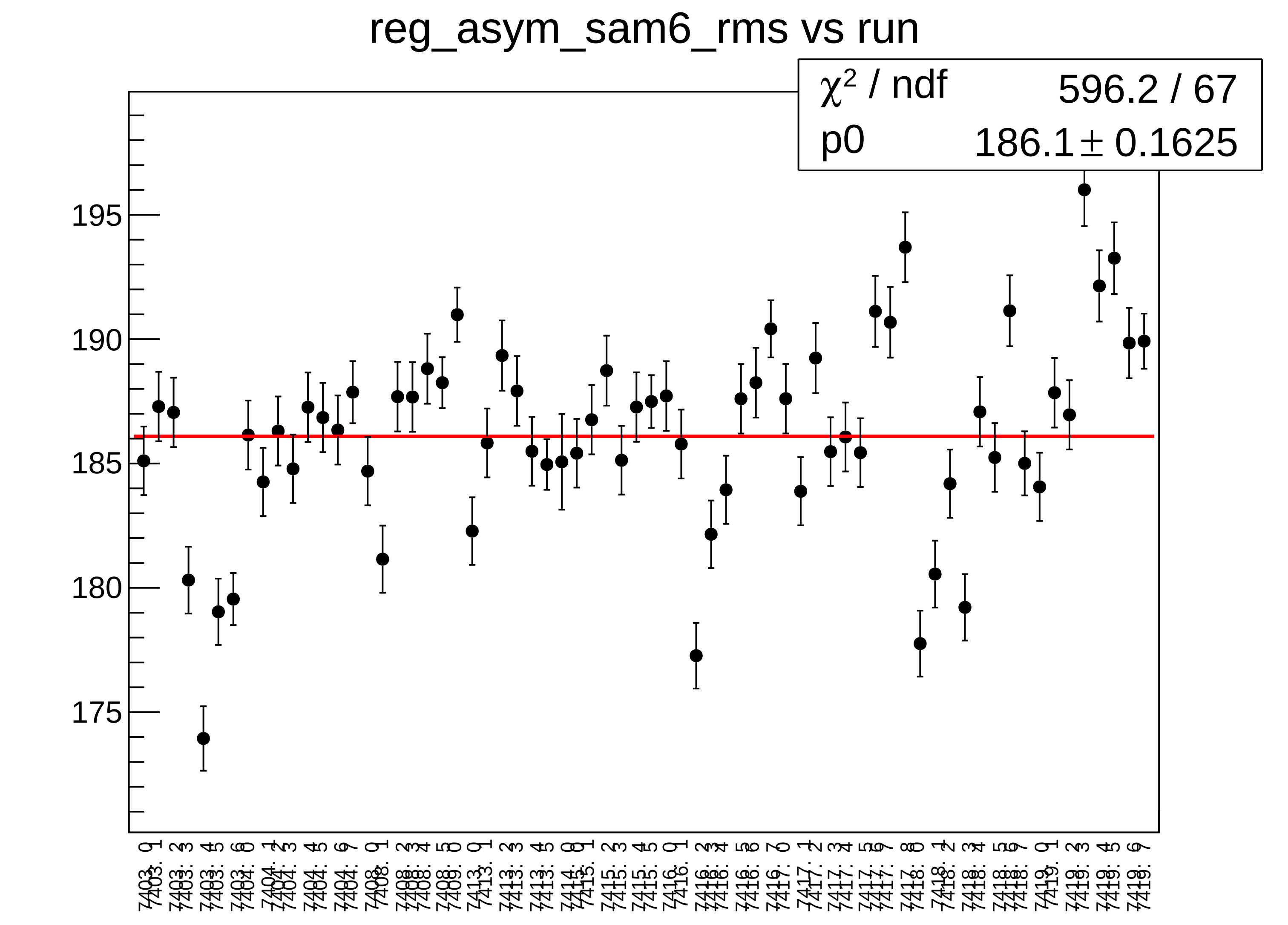

asym_sam5_correction_mean vs run
χ^2 / ndf 53.12 / 67
p0 481.2 ± 1272
pull
Entries 68
Mean 171
Std Dev 137.3
pull1D
Entries 68
Mean 0.01448
Std Dev 0.8837

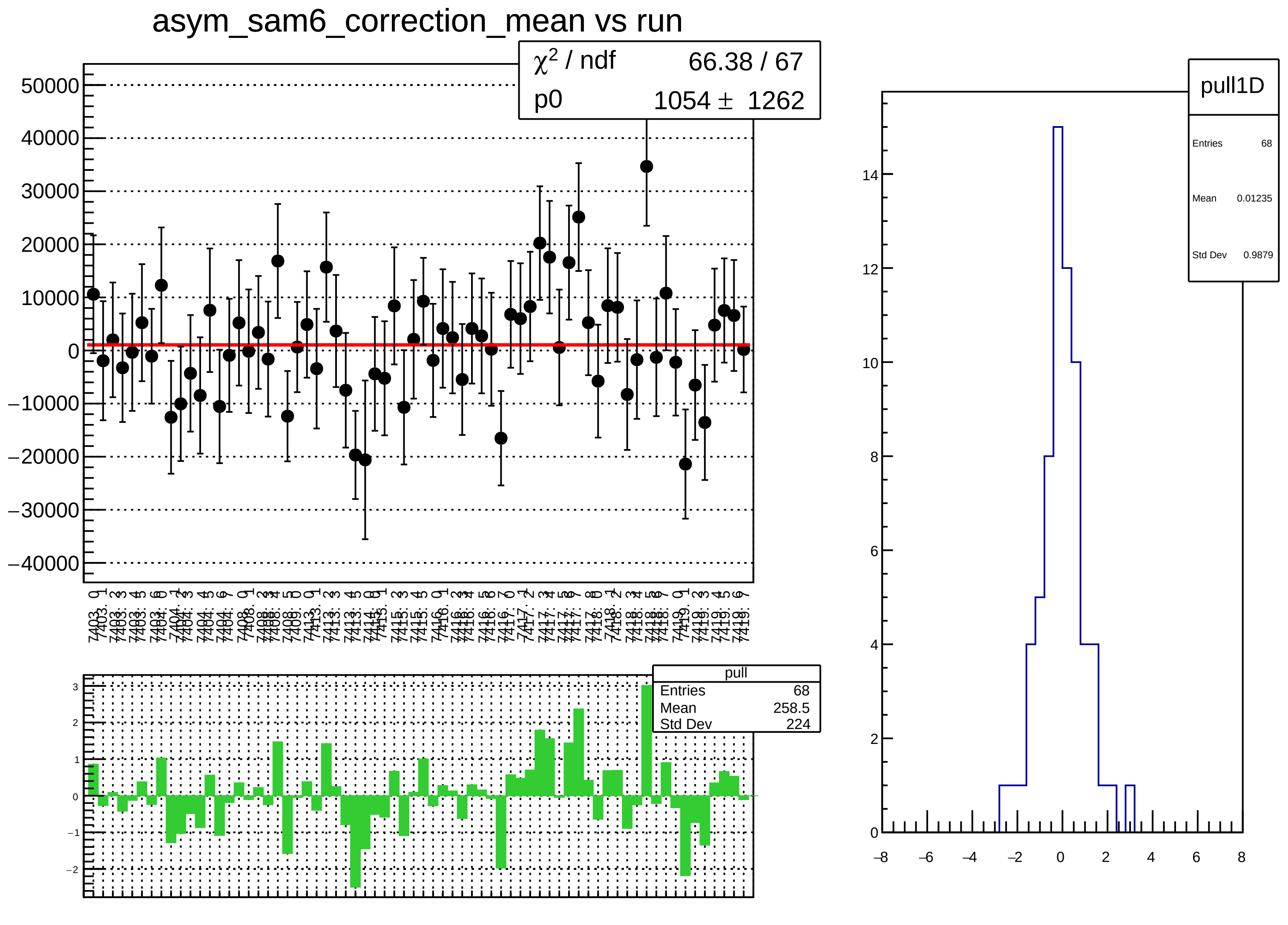


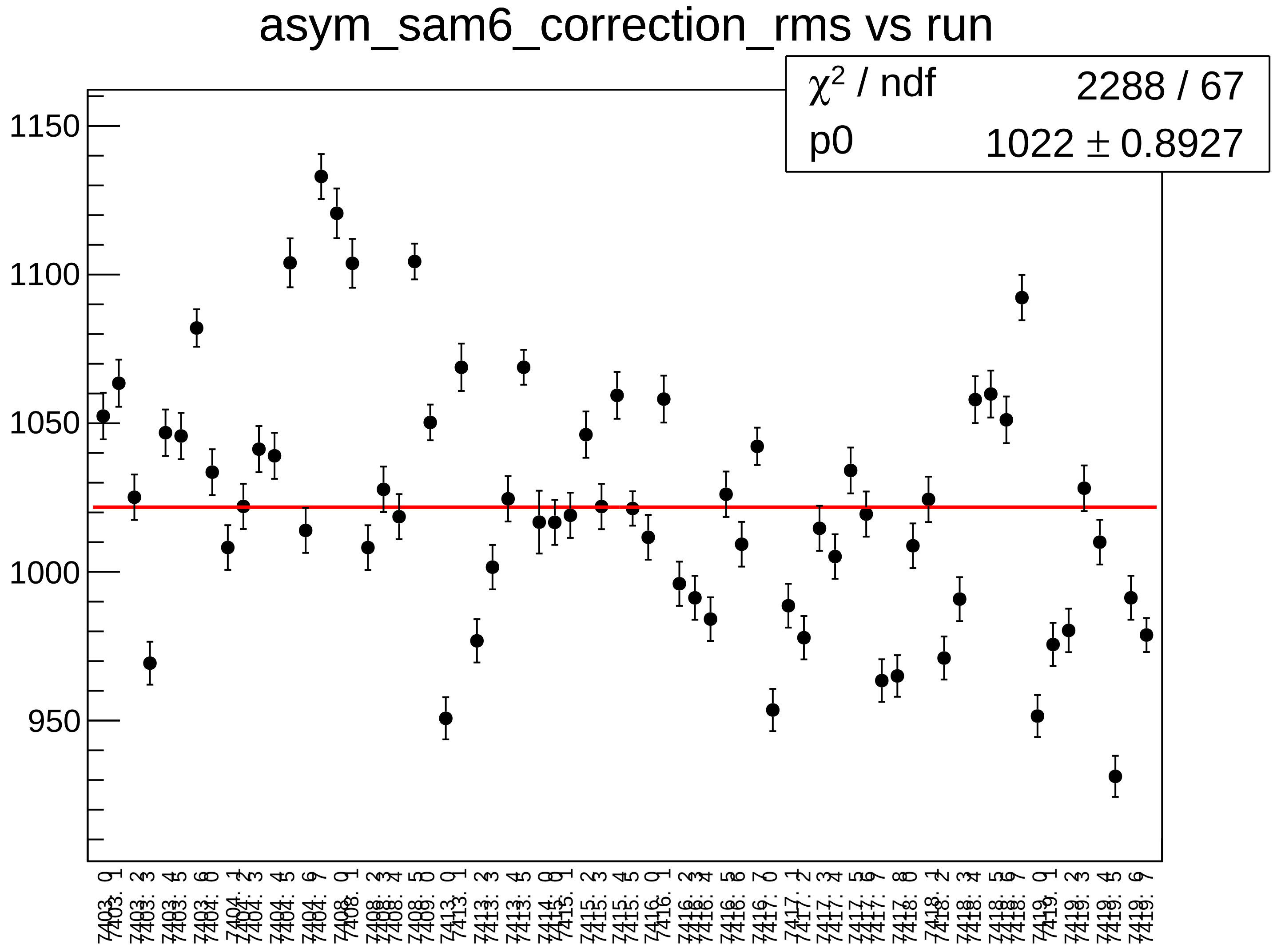
asym_sam5_correction_rms vs run
χ^2 / ndf 3800 / 67
p0 1029 ± 0.8996
1150
1100
1050
1000
950
900



reg_asym_sam6_mean vs run
χ^2 / ndf 59.86 / 67
p0 221.1 ± 229.8
pull
Entries 68
Mean 322
Std Dev 292.2
pull1D
Entries 68
Mean −0.007333
Std Dev 0.9382

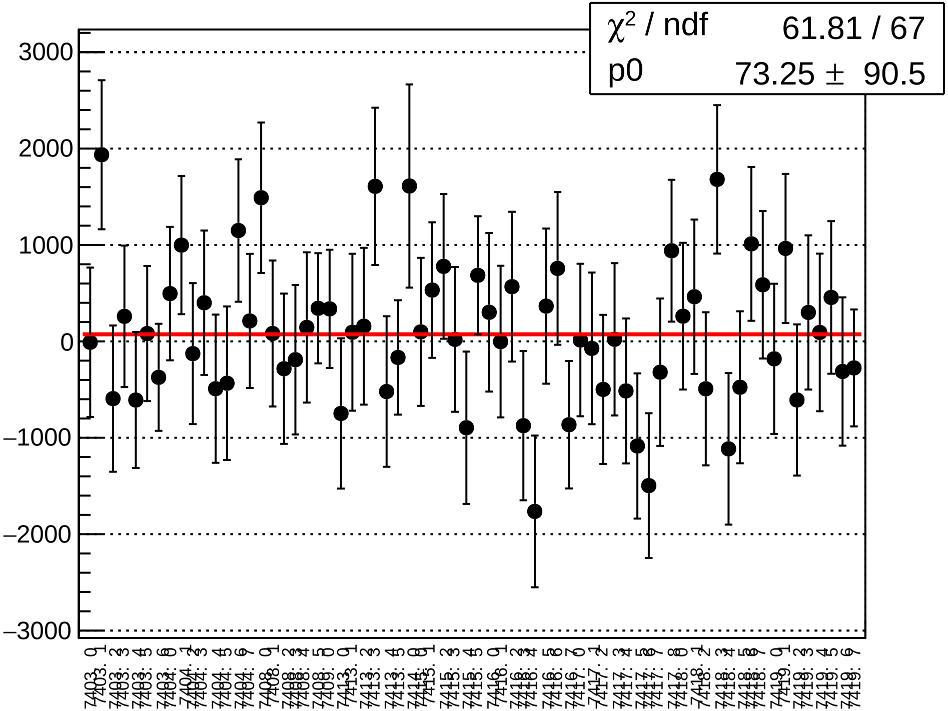

reg_asym_sam6_rms vs run
χ2 / ndf 596.2 / 67
p0 186.1 ± 0.1625
195
190
185
180
175

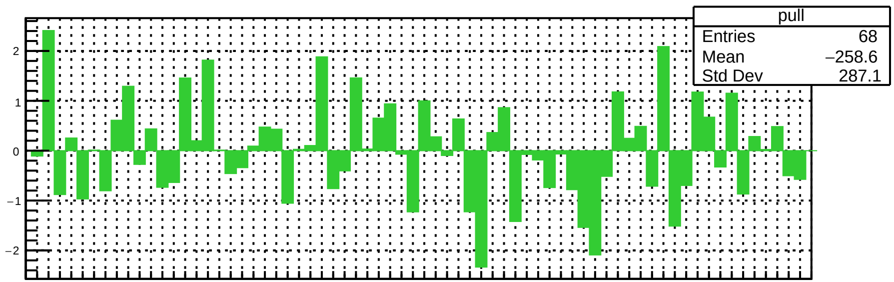

asym_sam6_correction_mean vs run
χ2 / ndf 66.38 / 67
p0 1054 ± 1262
pull
Entries 68
Mean 258.5
Std Dev 224
pull1D
Entries 68
Mean 0.01235
Std Dev 0.9879

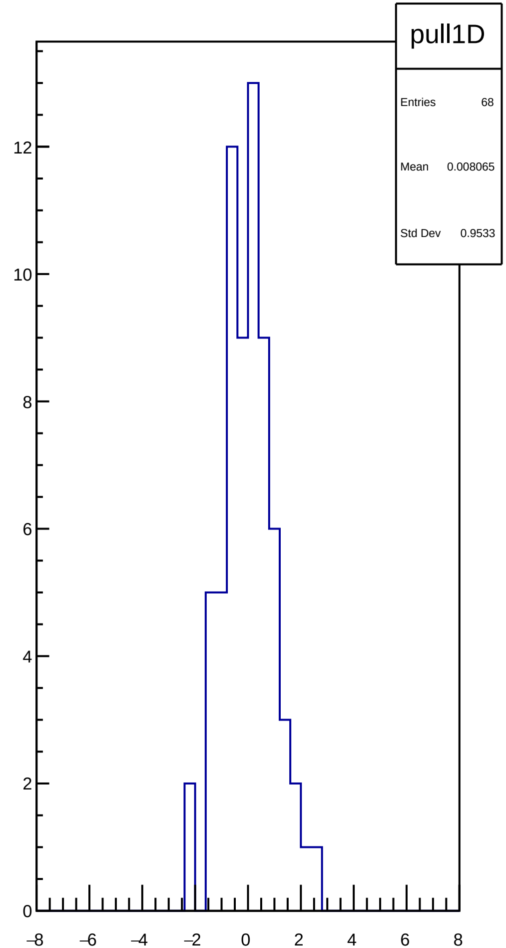


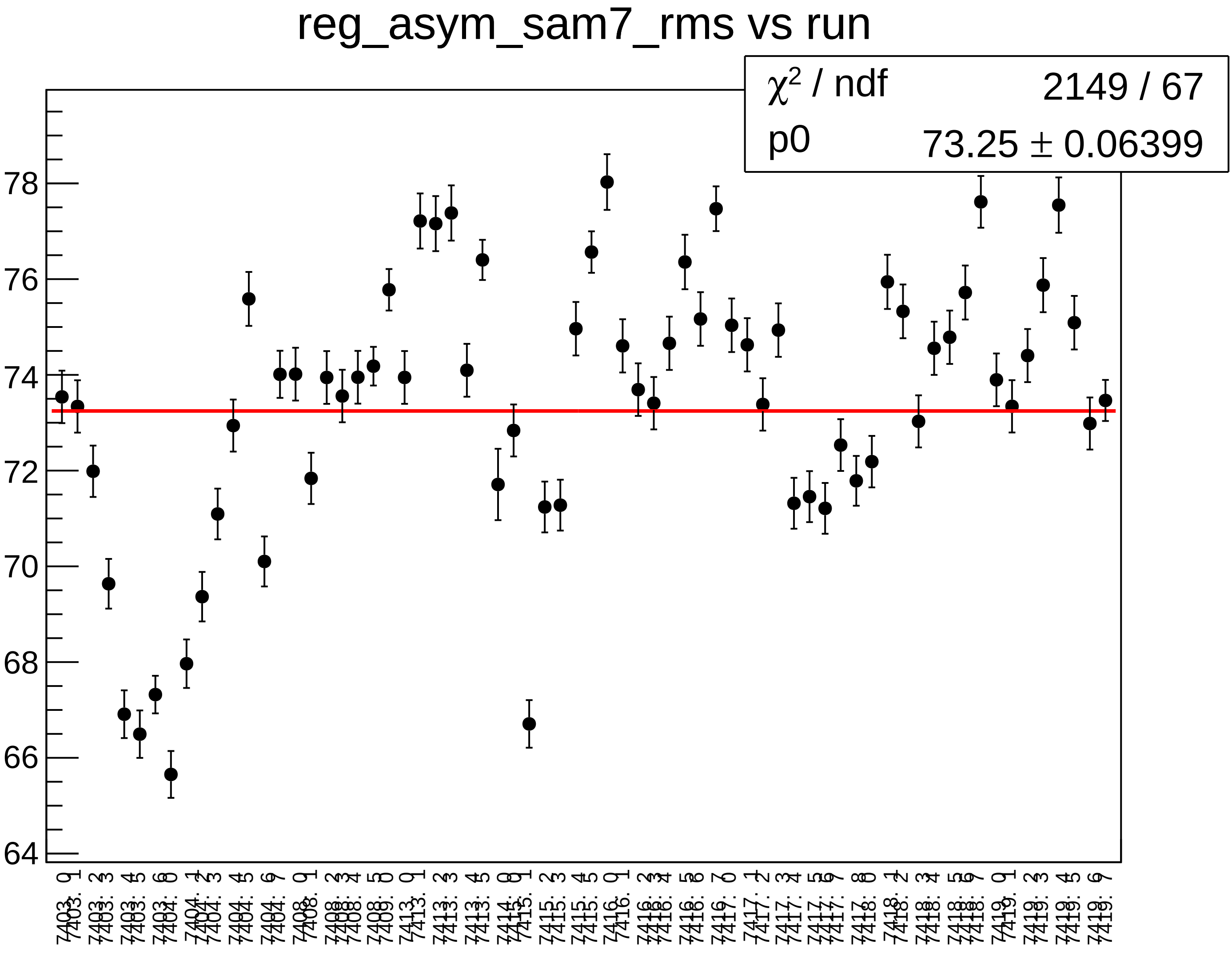
asym_sam6_correction_rms vs run
χ^2 / ndf 2288 / 67
p0 1022 ± 0.8927
1150
1100
1050
1000
950

reg_asym_sam7_mean vs run

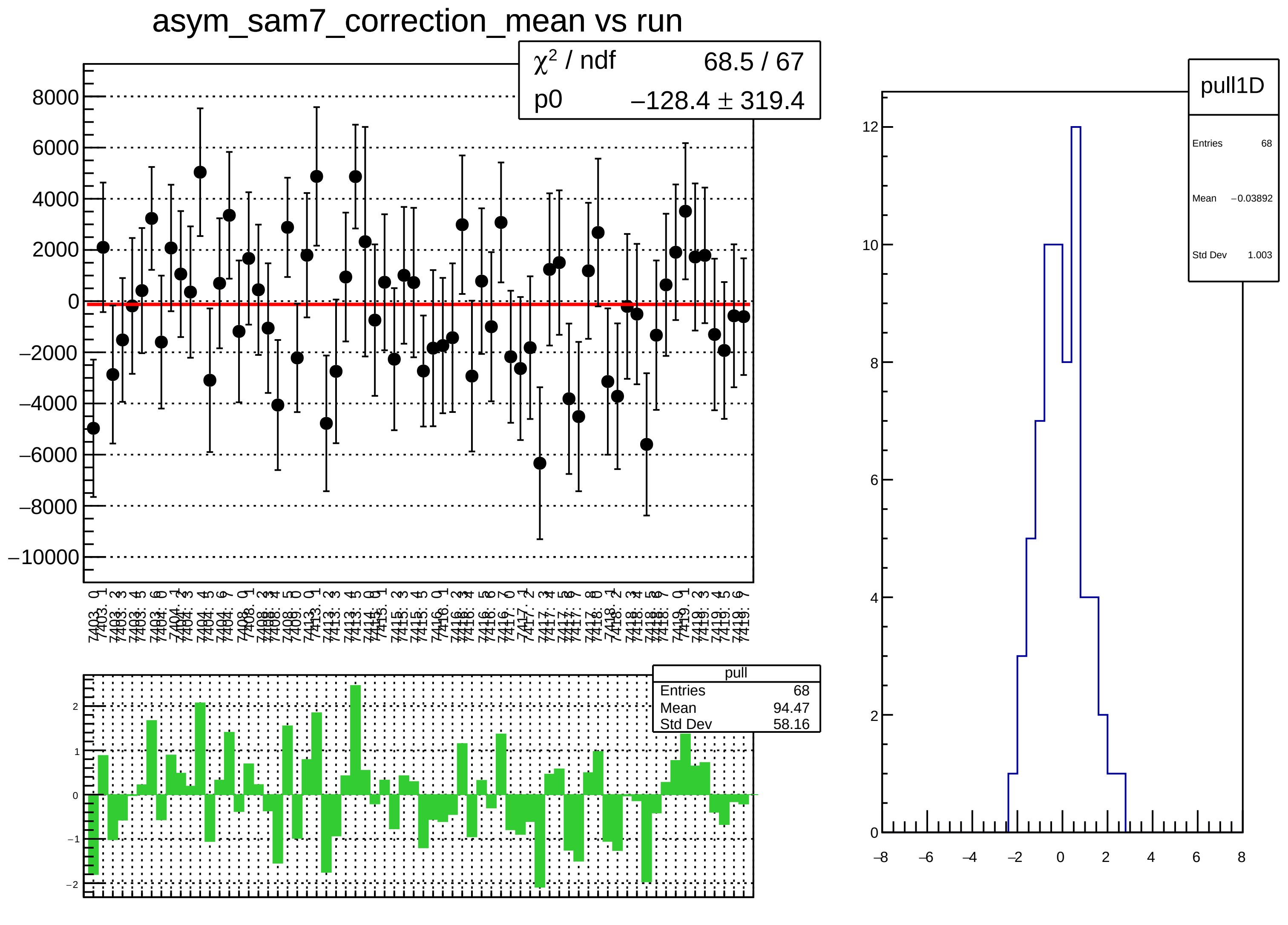




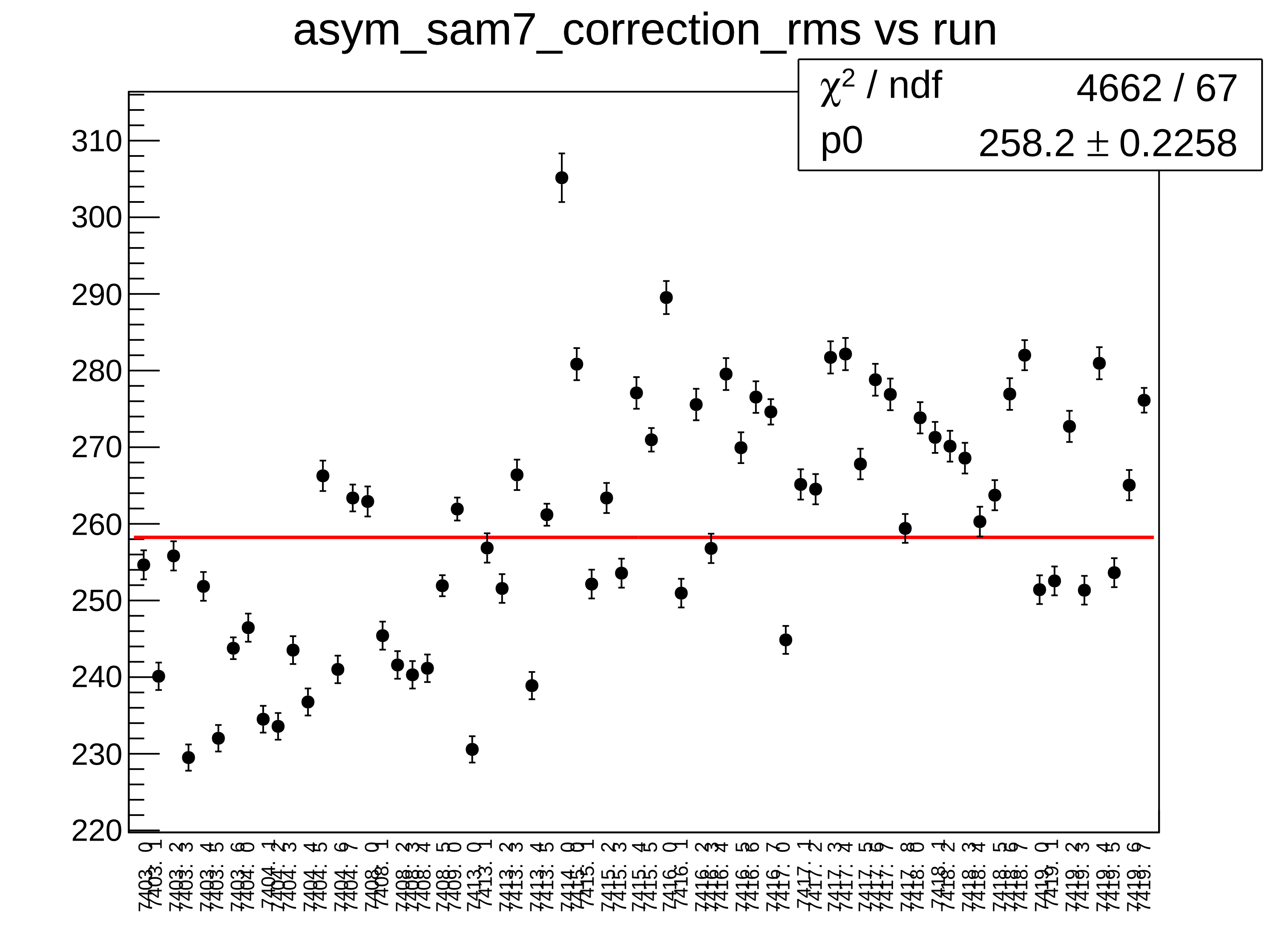




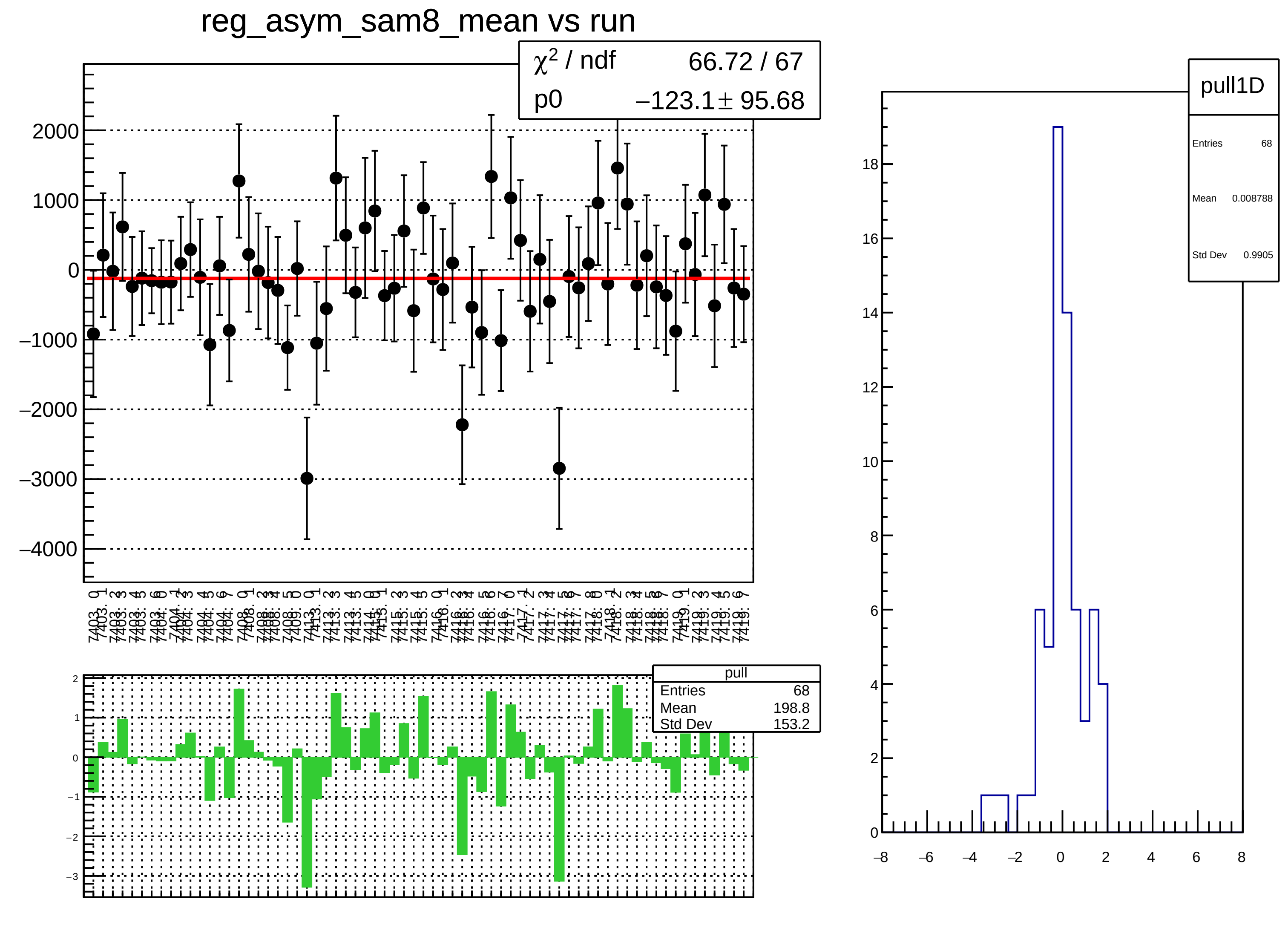
reg_asym_sam7_rms vs run
χ^2 / ndf 2149 / 67
p0 73.25 ± 0.06399
78
76
74
72
70
68
66
64

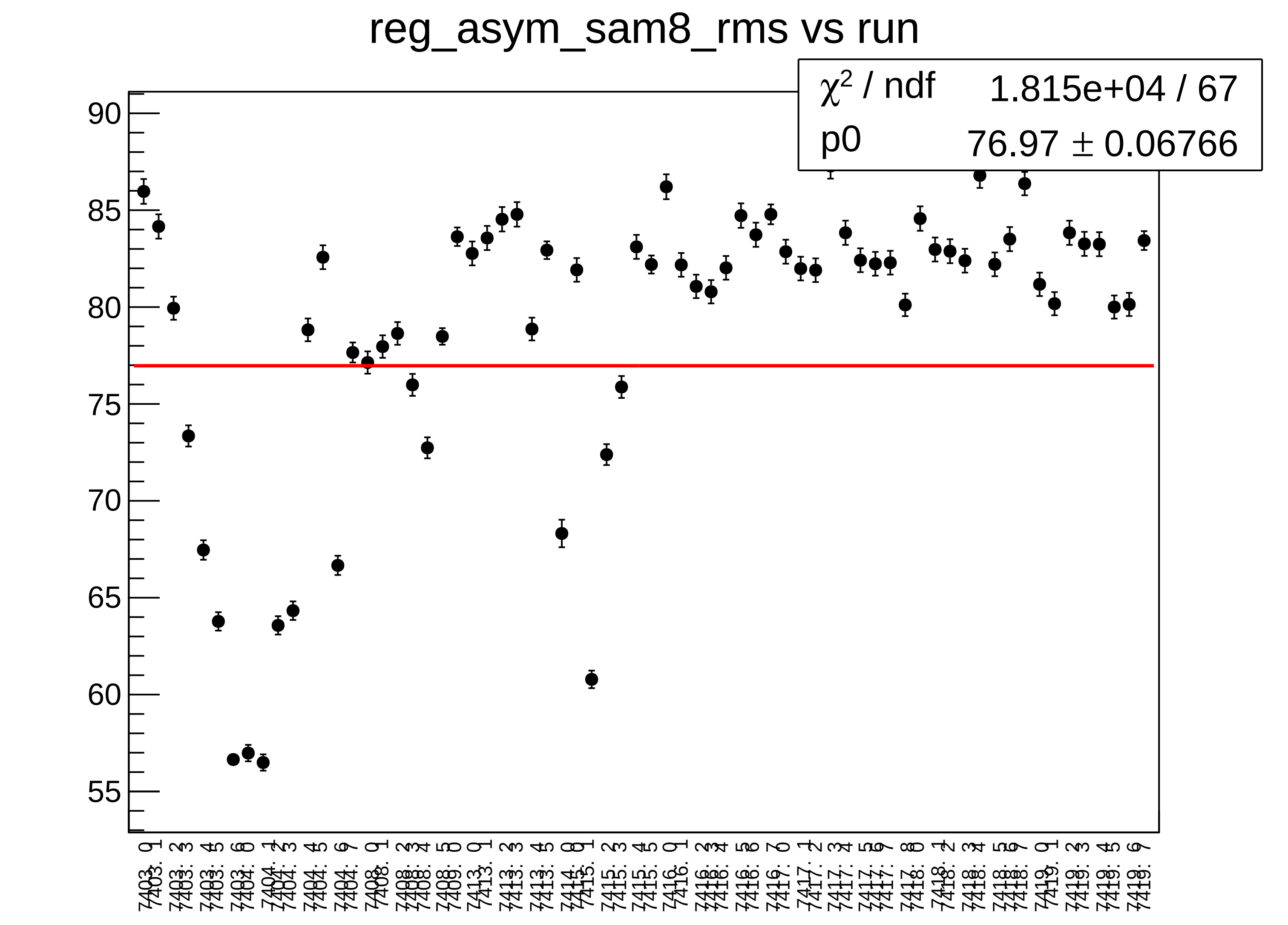


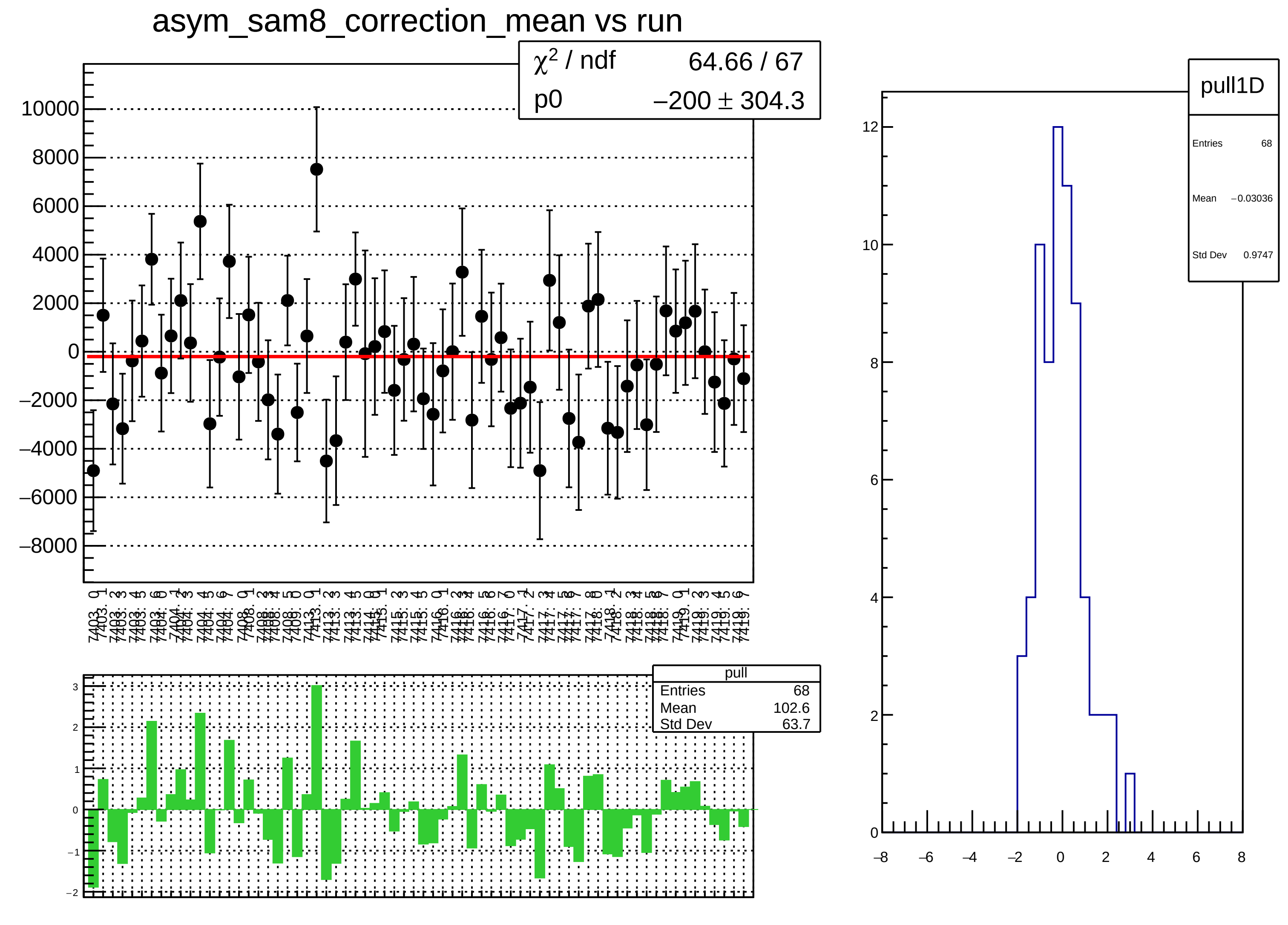
asym_sam7_correction_mean vs run
χ^2 / ndf 68.5 / 67
p0 −128.4 ± 319.4
pull
Entries 68
Mean 94.47
Std Dev 58.16
pull1D
Entries 68
Mean −0.03892
Std Dev 1.003

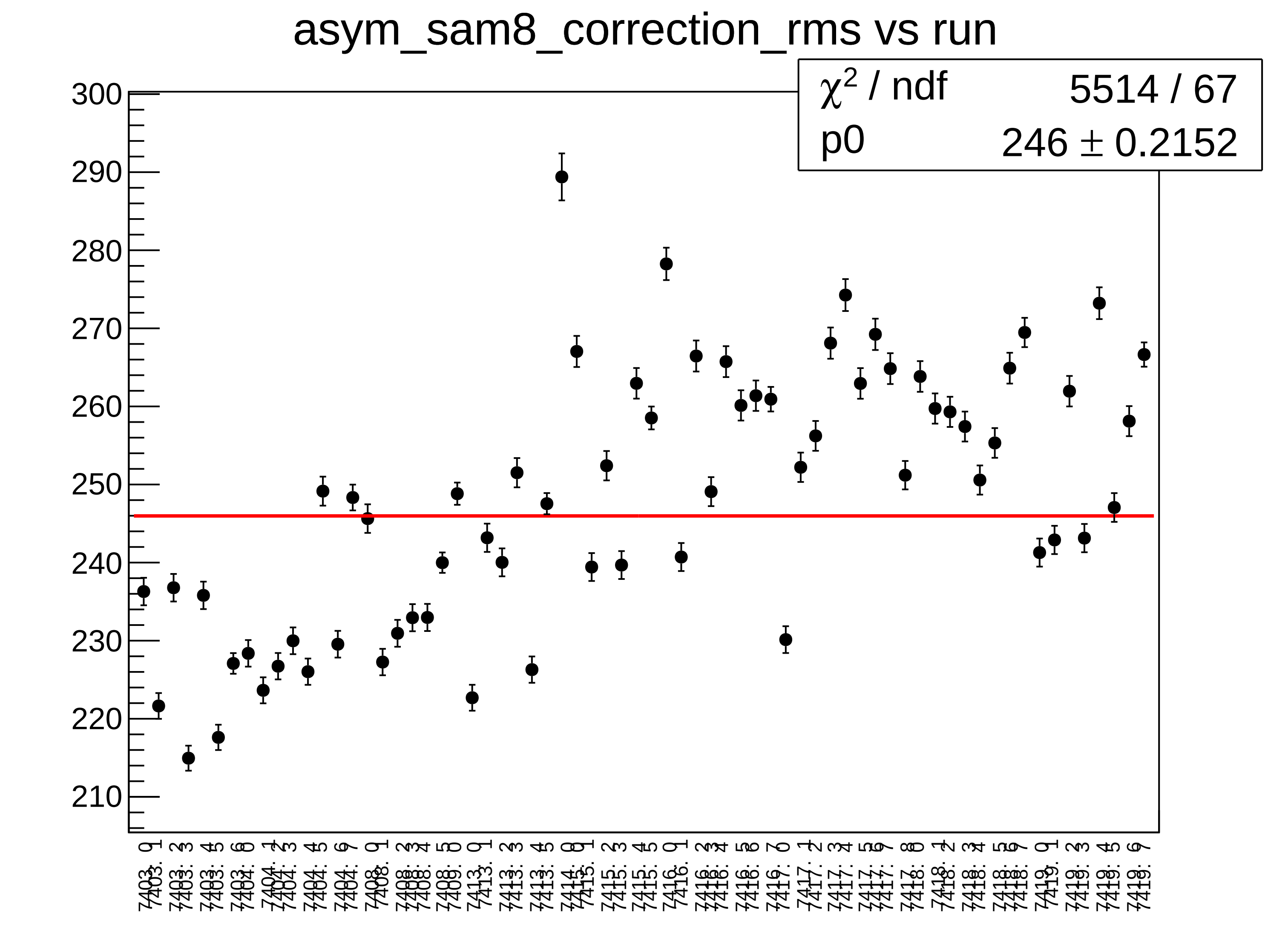


asym_sam7_correction_rms vs run
χ^2 / ndf 4662 / 67
p0 258.2 ± 0.2258
310
300
290
280
270
260
250
240
230
220

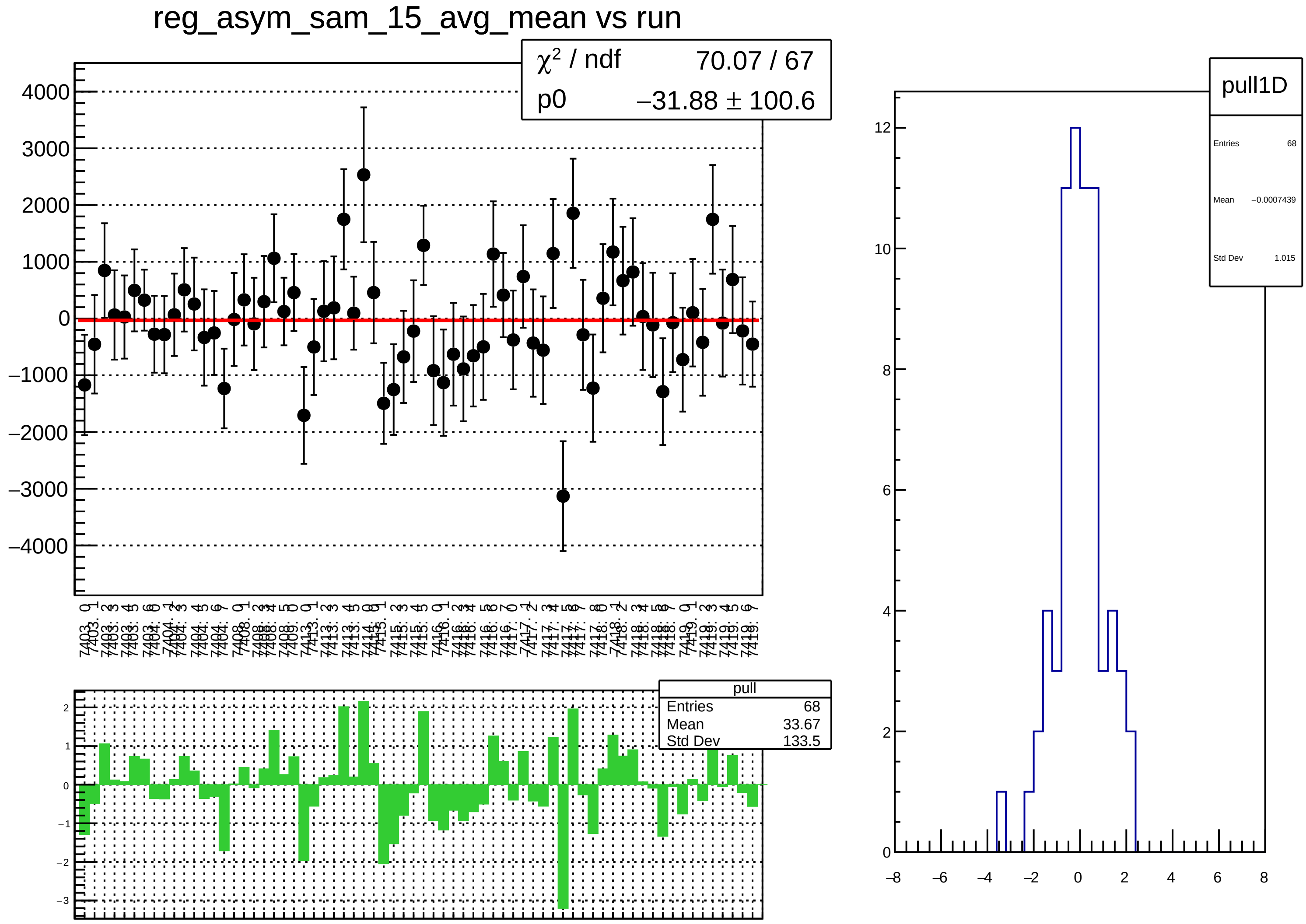

reg_asym_sam8_mean vs run
χ^2 / ndf 66.72 / 67
p0 −123.1 ± 95.68
pull
Entries 68
Mean 198.8
Std Dev 153.2
pull1D
Entries 68
Mean 0.008788
Std Dev 0.9905

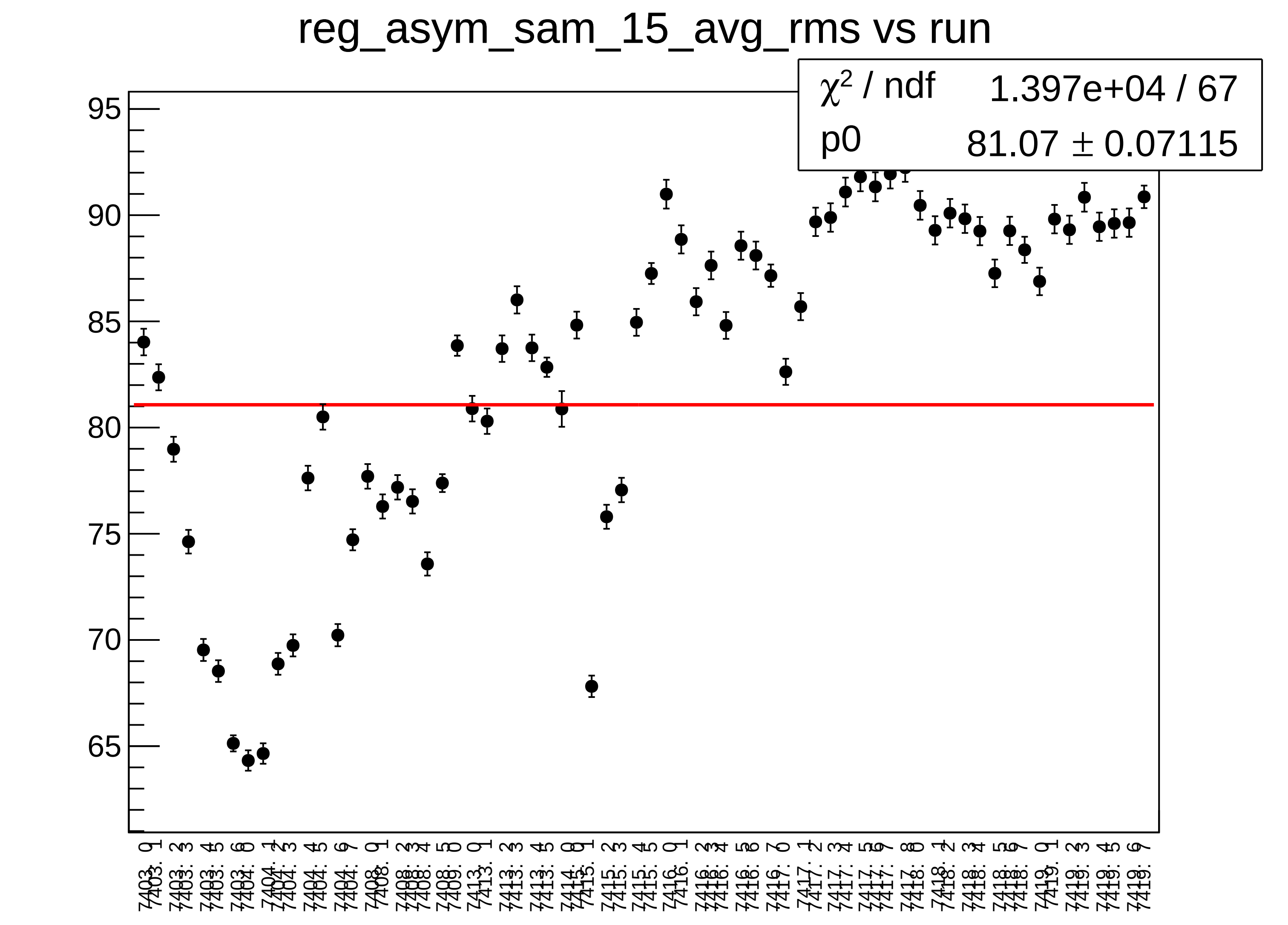

reg_asym_sam8_rms vs run
χ^2 / ndf 1.815e+04 / 67
p0 76.97 ± 0.06766
90
85
80
75
70
65
60
55

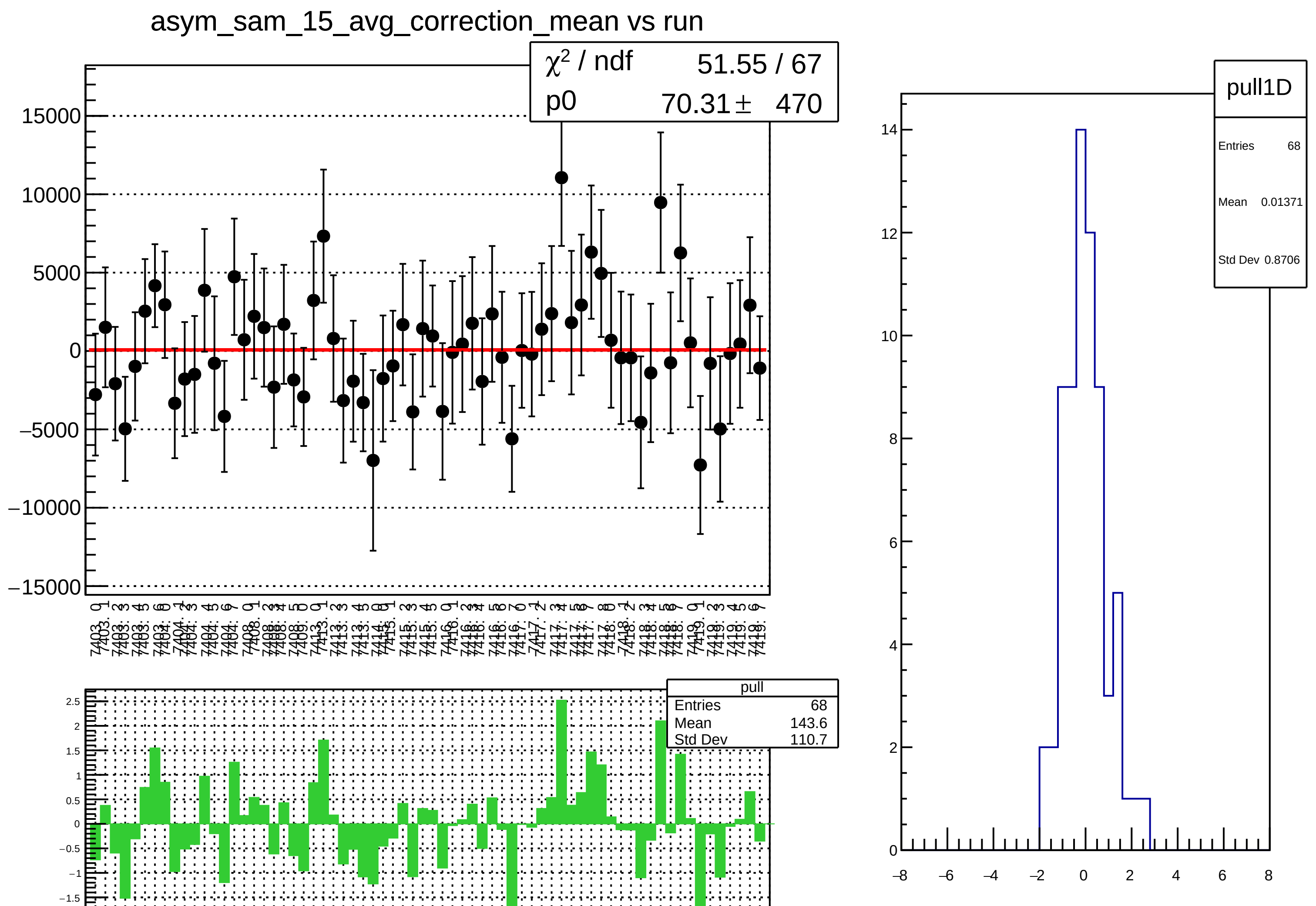

asym_sam8_correction_mean vs run
χ^2 / ndf 64.66 / 67
p0 −200 ± 304.3
pull
Entries 68
Mean 102.6
Std Dev 63.7
pull1D
Entries 68
Mean −0.03036
Std Dev 0.9747



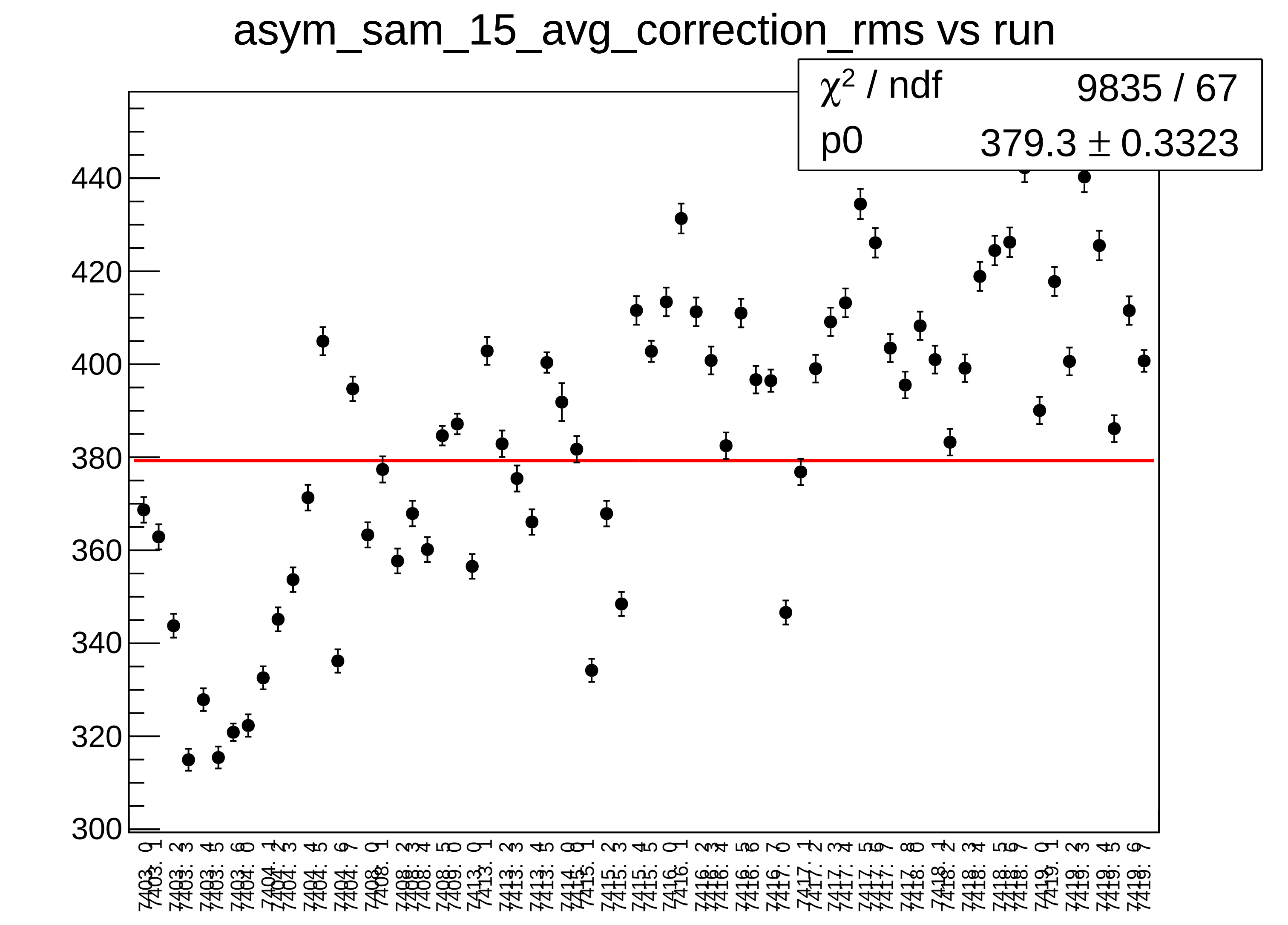
asym_sam8_correction_rms vs run
χ^2 / ndf 5514 / 67
p0 246 ± 0.2152
300
290
280
270
260
250
240
230
220
210


reg_asym_sam_15_avg_mean vs run
χ^2 / ndf 70.07 / 67
p0 −31.88 ± 100.6
pull1D
Entries 68
Mean −0.0007439
Std Dev 1.015
pull
Entries 68
Mean 33.67
Std Dev 133.5

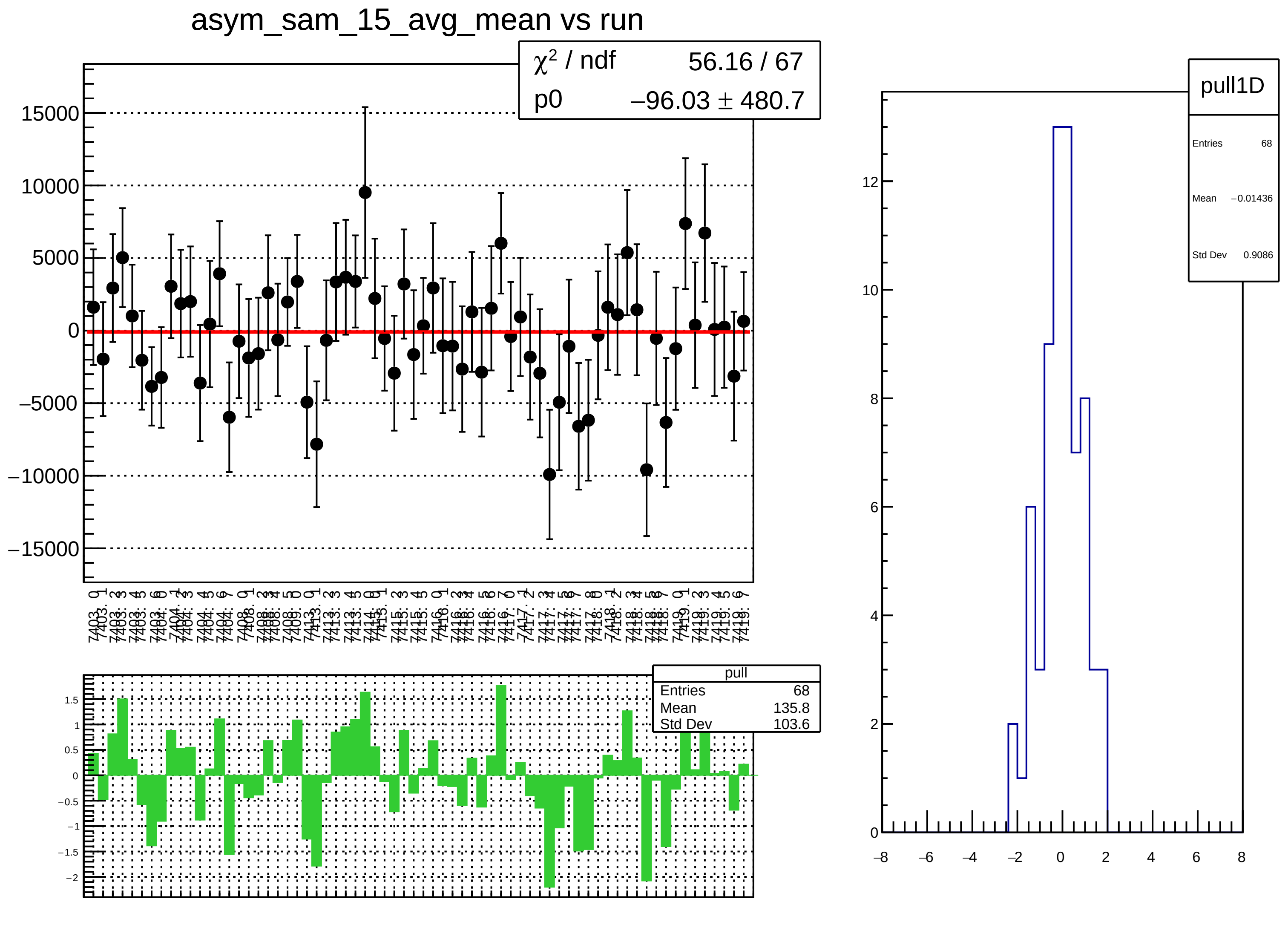

reg_asym_sam_15_avg_rms vs run
χ2 / ndf 1.397e+04 / 67
p0 81.07 ± 0.07115
95
90
85
80
75
70
65

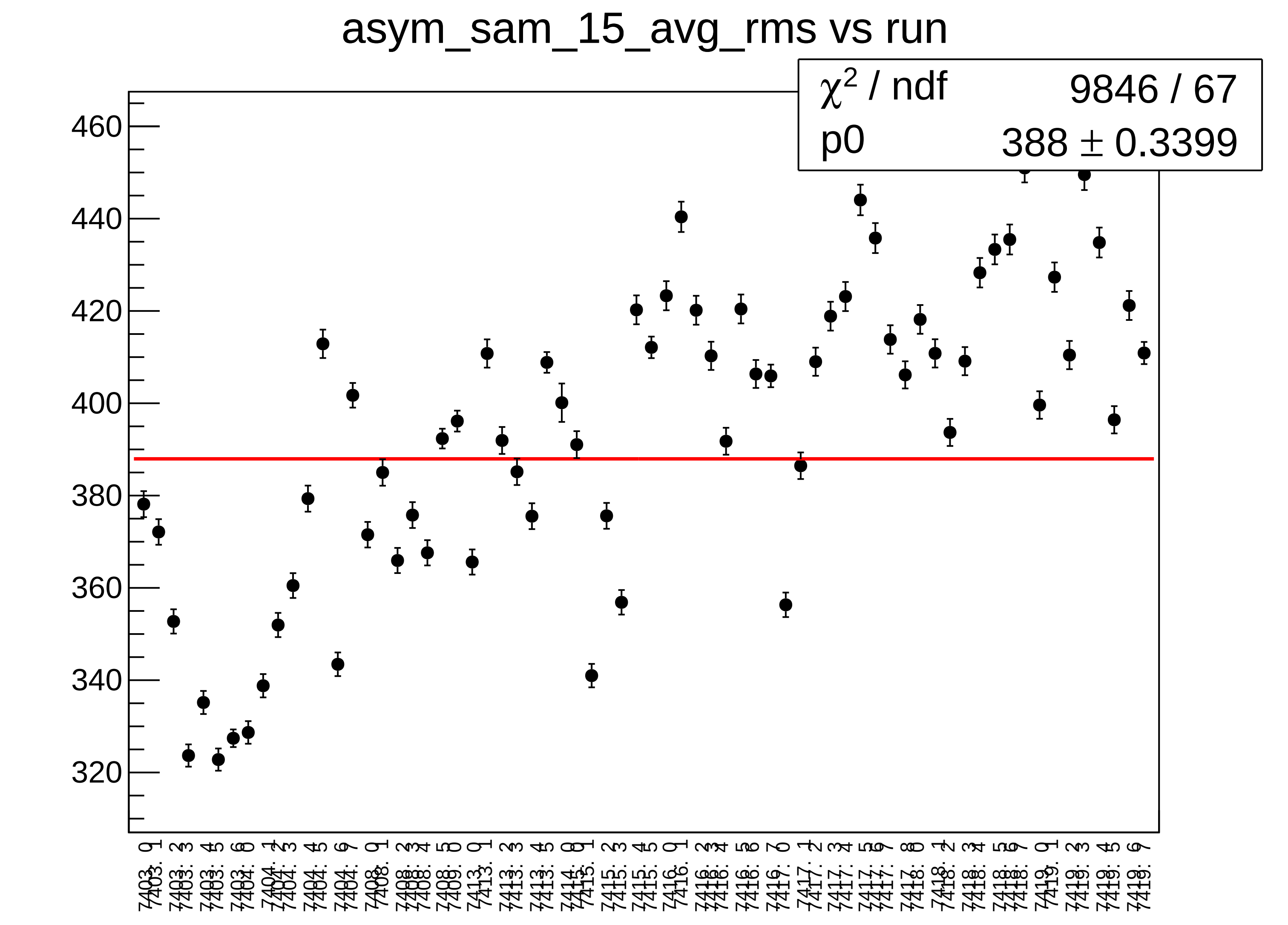


asym_sam_15_avg_correction_mean vs run
χ2 / ndf 51.55 / 67
p0 70.31 ± 470
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 143.6
Std Dev 110.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 68
Mean 0.01371
Std Dev 0.8706
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

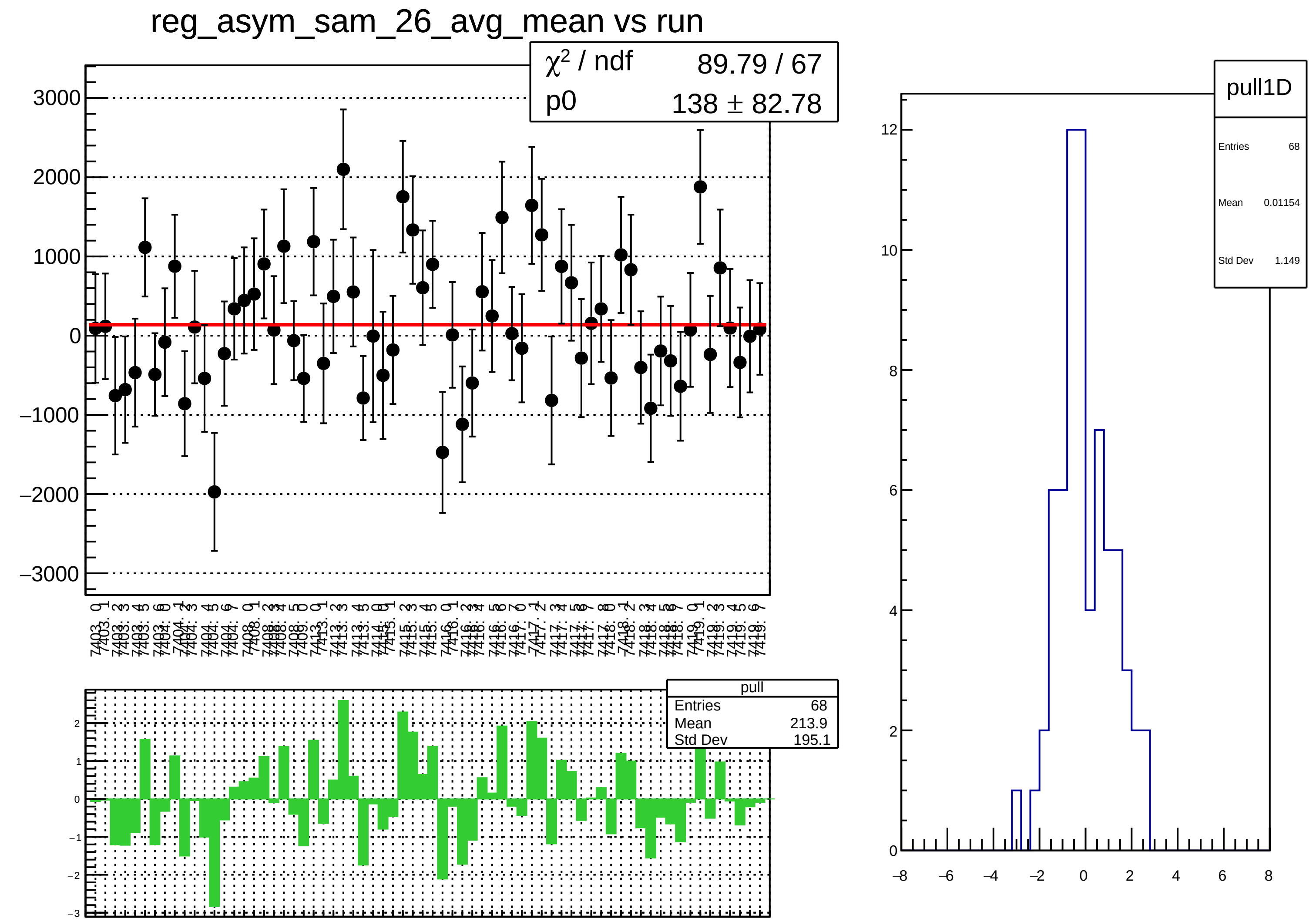


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 9835 / 67
p0 379.3 ± 0.3323
440
420
400
380
360
340
320
300

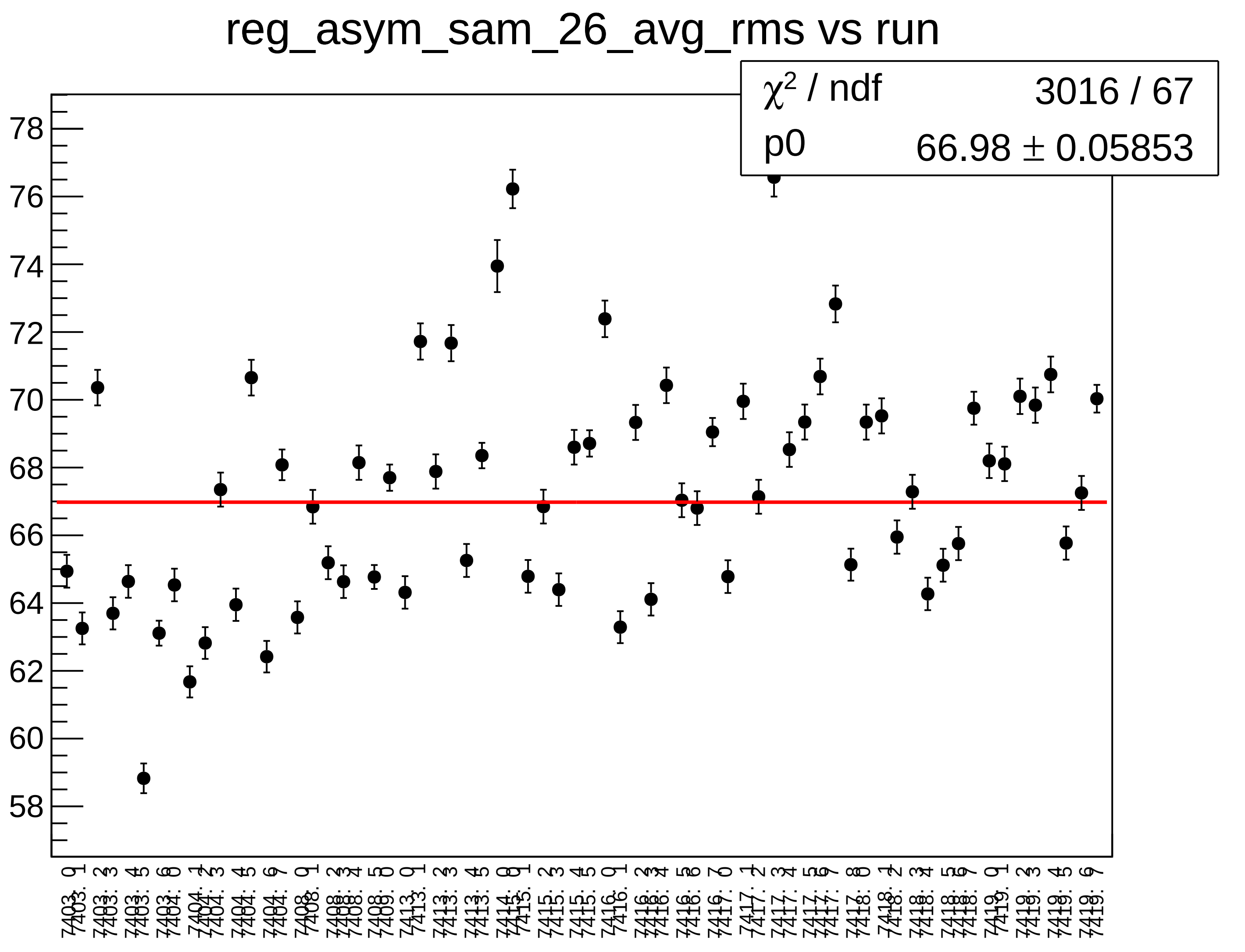

asym_sam_15_avg_mean vs run
χ^2 / ndf 56.16 / 67
p0 −96.03 ± 480.7
pull
Entries 68
Mean 135.8
Std Dev 103.6
pull1D
Entries 68
Mean −0.01436
Std Dev 0.9086

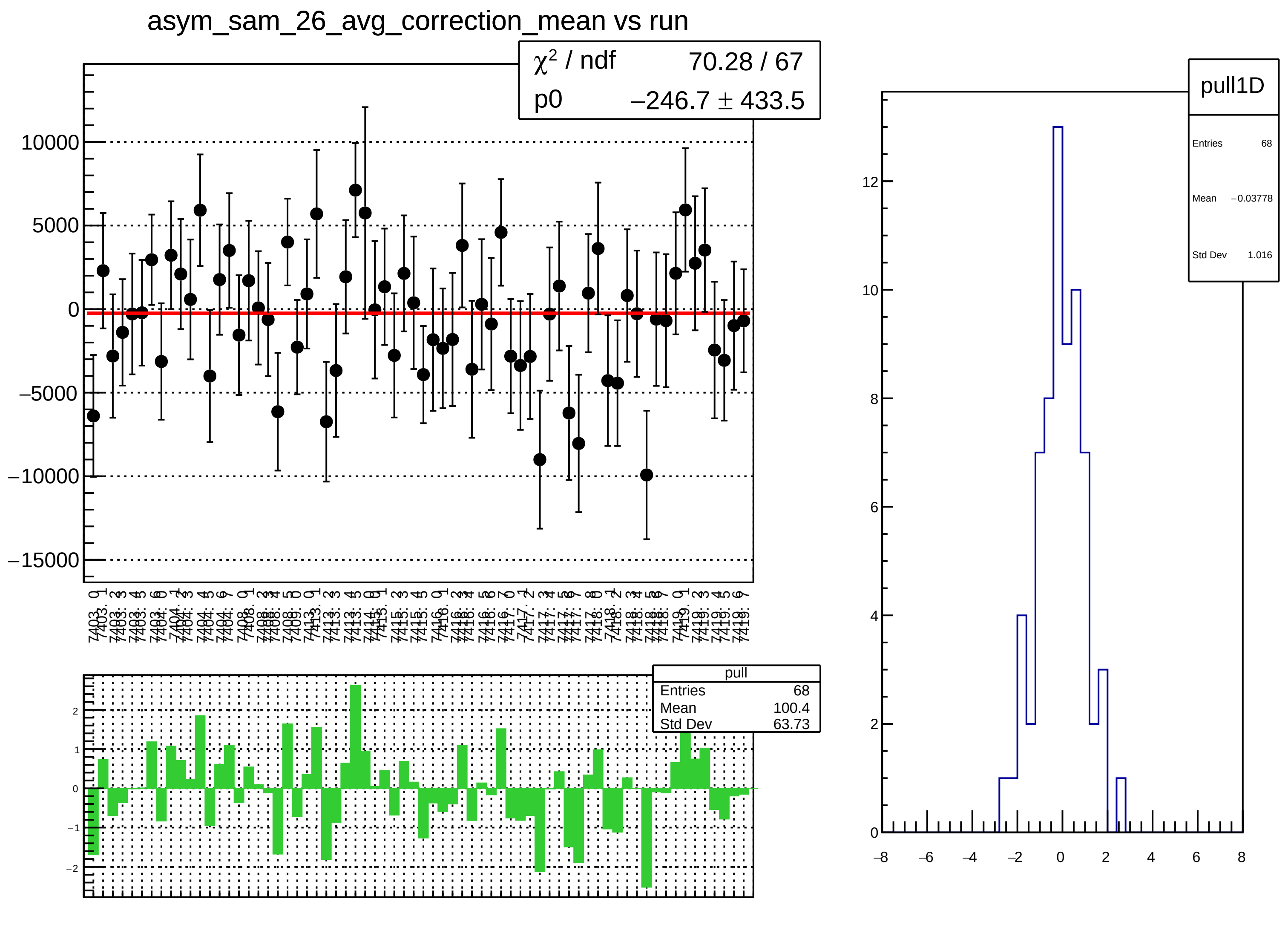


asym_sam_15_avg_rms vs run
χ^2 / ndf 9846 / 67
p0 388 ± 0.3399
460
440
420
400
380
360
340
320

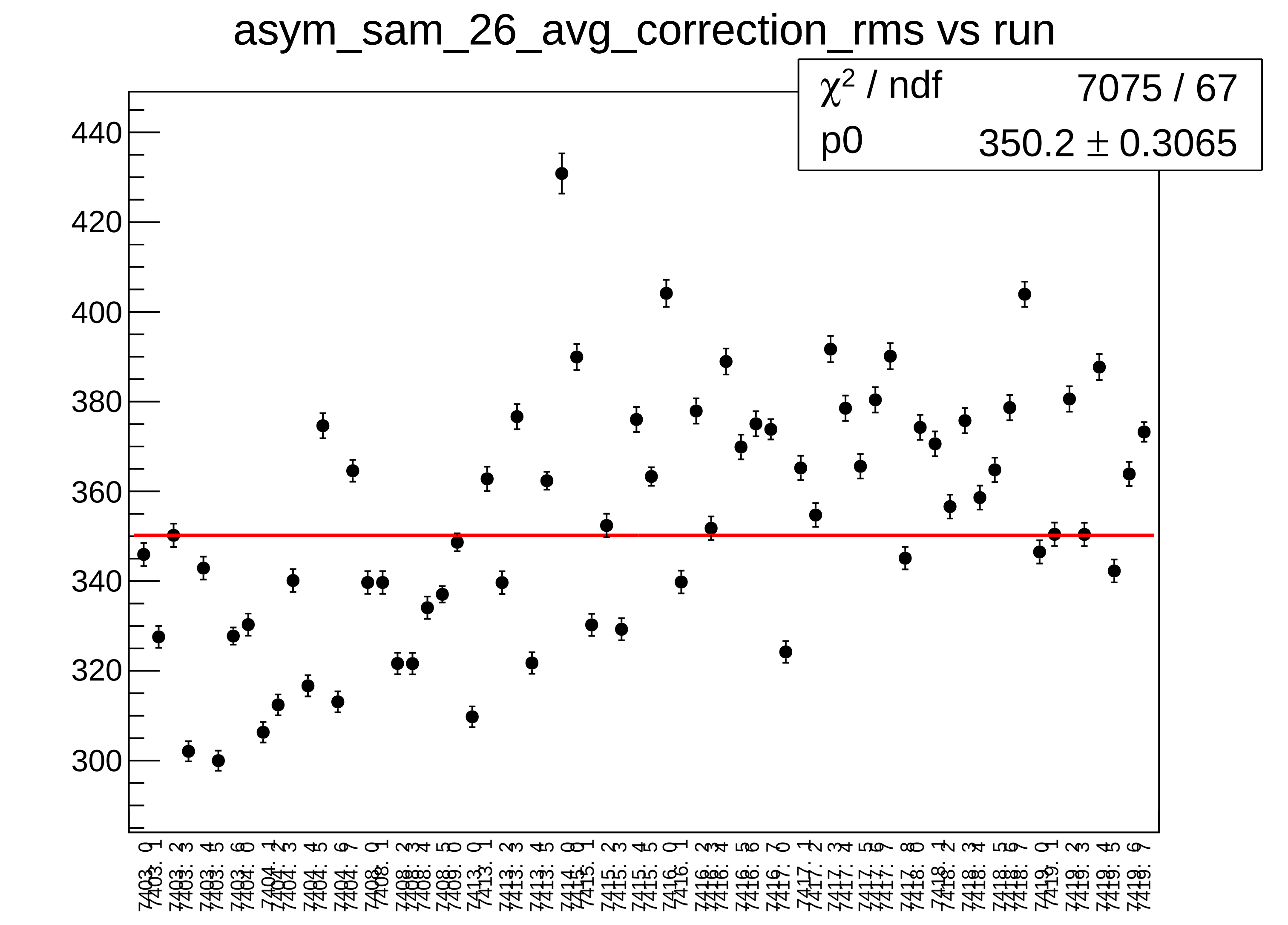


reg_asym_sam_26_avg_mean vs run
χ^2 / ndf 89.79 / 67
p0 138 ± 82.78
pull
Entries 68
Mean 213.9
Std Dev 195.1
pull1D
Entries 68
Mean 0.01154
Std Dev 1.149

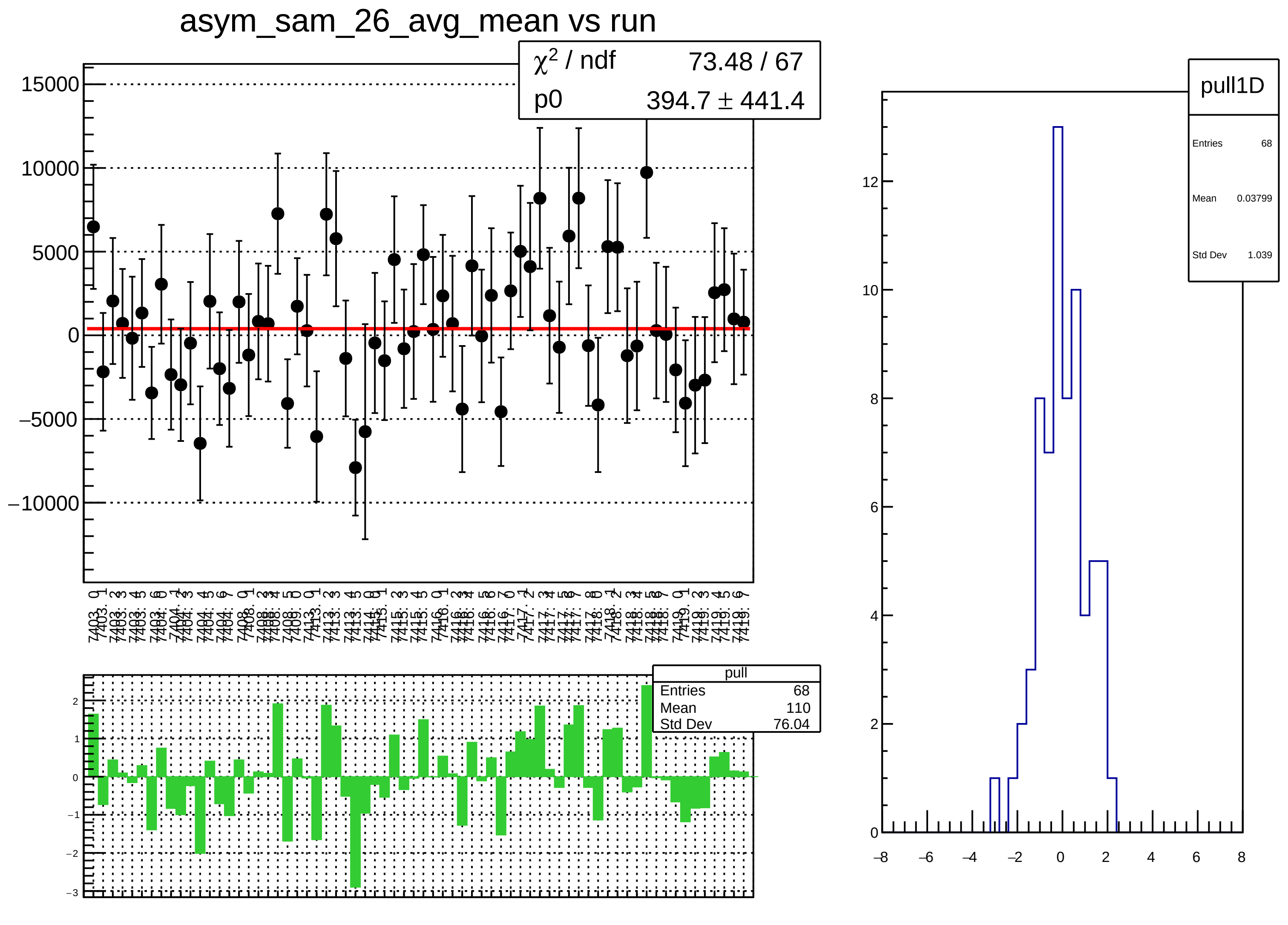

reg_asym_sam_26_avg_rms vs run
χ2 / ndf 3016 / 67
p0 66.98 ± 0.05853
78
76
74
72
70
68
66
64
62
60
58

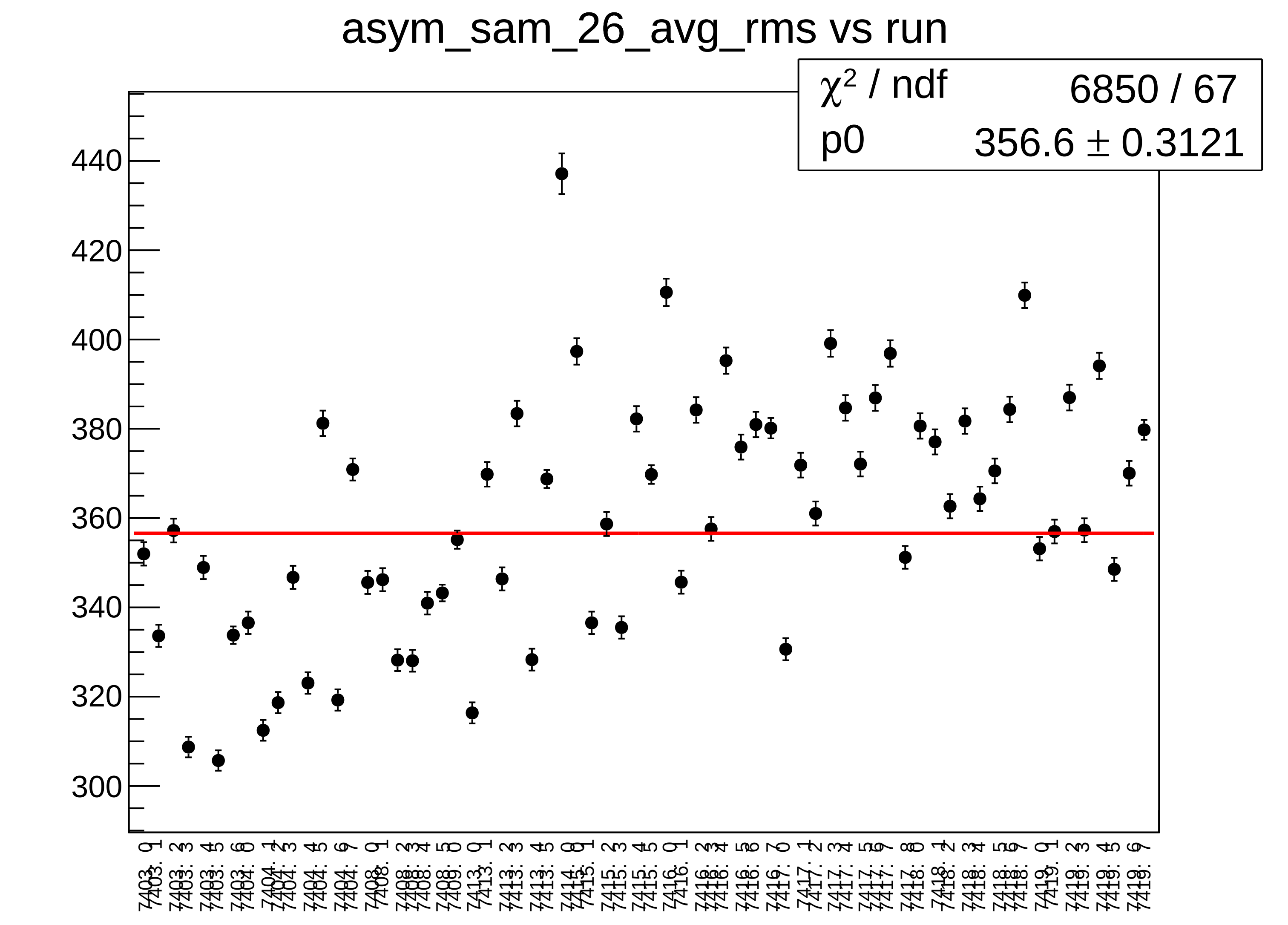


asym_sam_26_avg_correction_mean vs run
χ² / ndf 70.28 / 67
p0 −246.7 ± 433.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 100.4
Std Dev 63.73
pull1D
Entries 68
Mean −0.03778
Std Dev 1.016

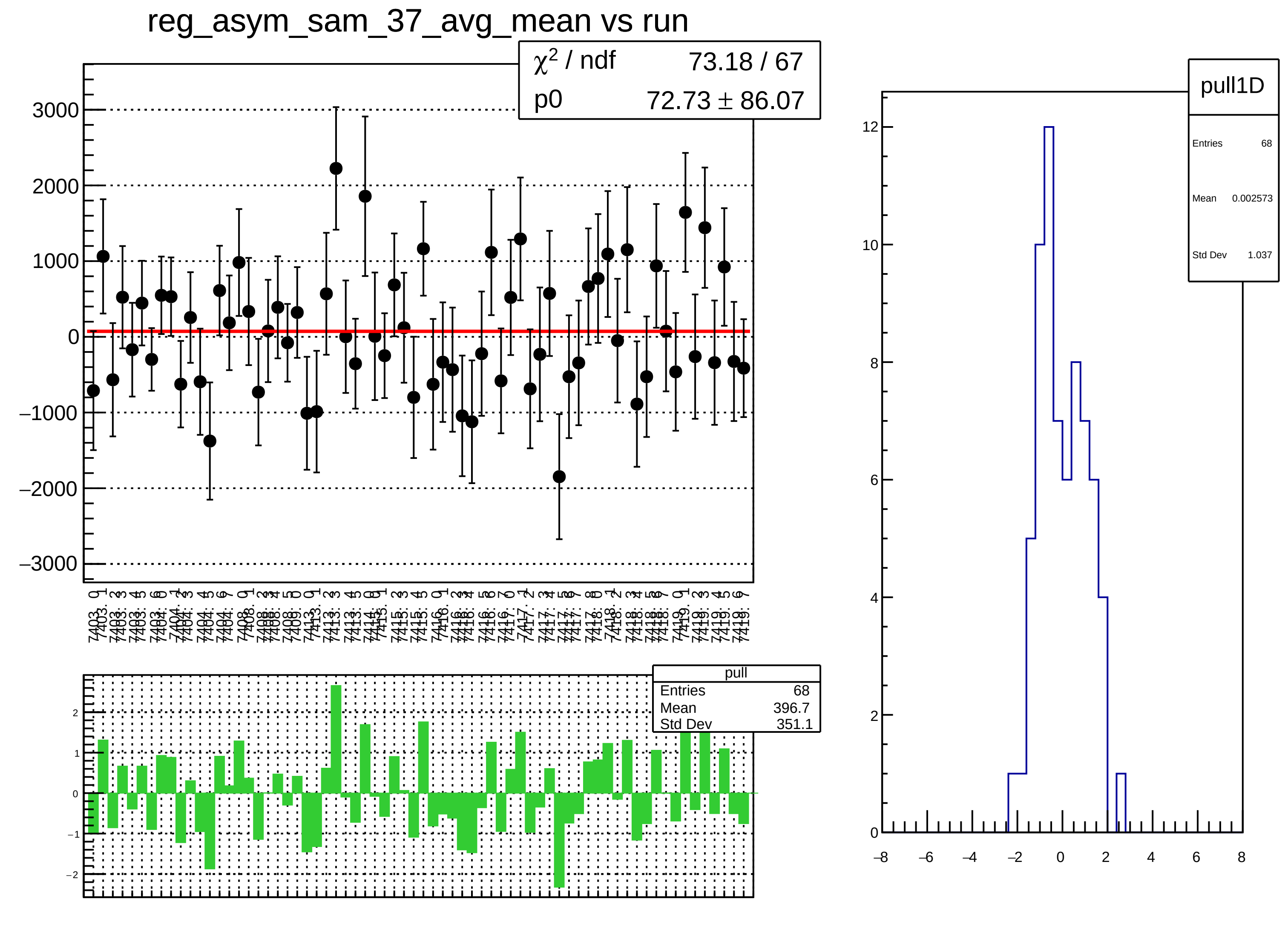


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 7075 / 67
p0 350.2 ± 0.3065
440
420
400
380
360
340
320
300

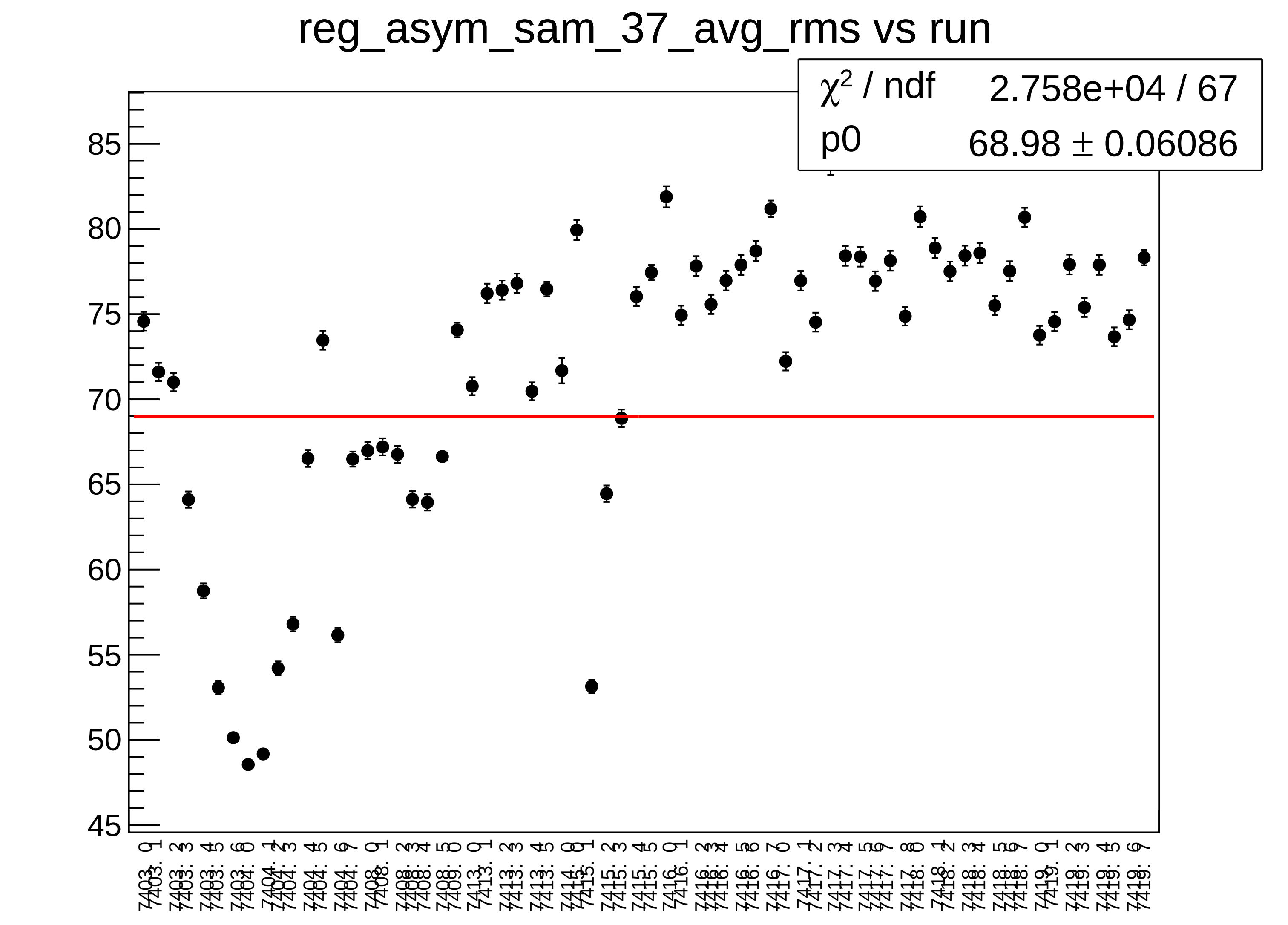

asym_sam_26_avg_mean vs run
χ^2 / ndf 73.48 / 67
p0 394.7 ± 441.4
pull
Entries 68
Mean 110
Std Dev 76.04
pull1D
Entries 68
Mean 0.03799
Std Dev 1.039

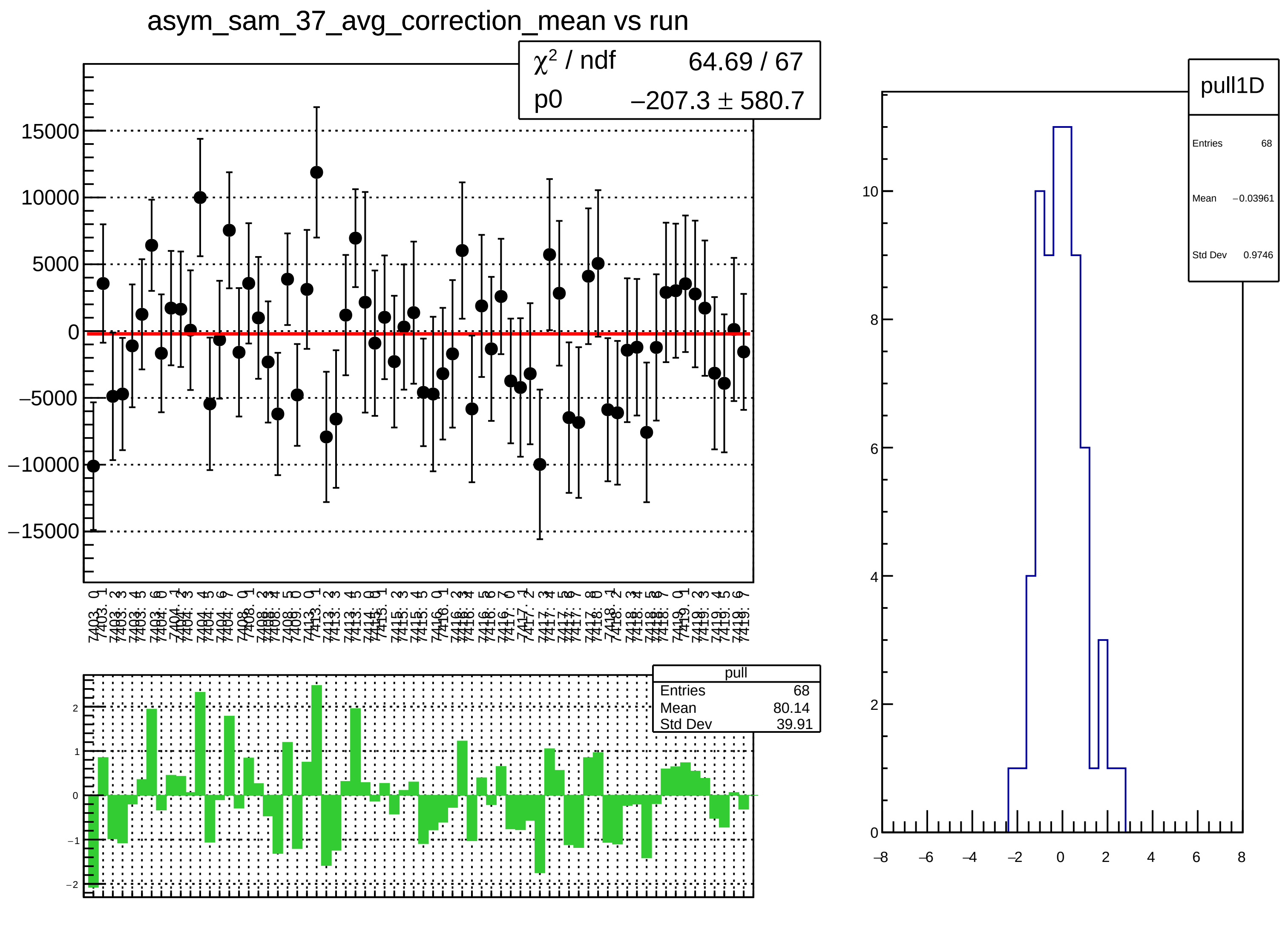


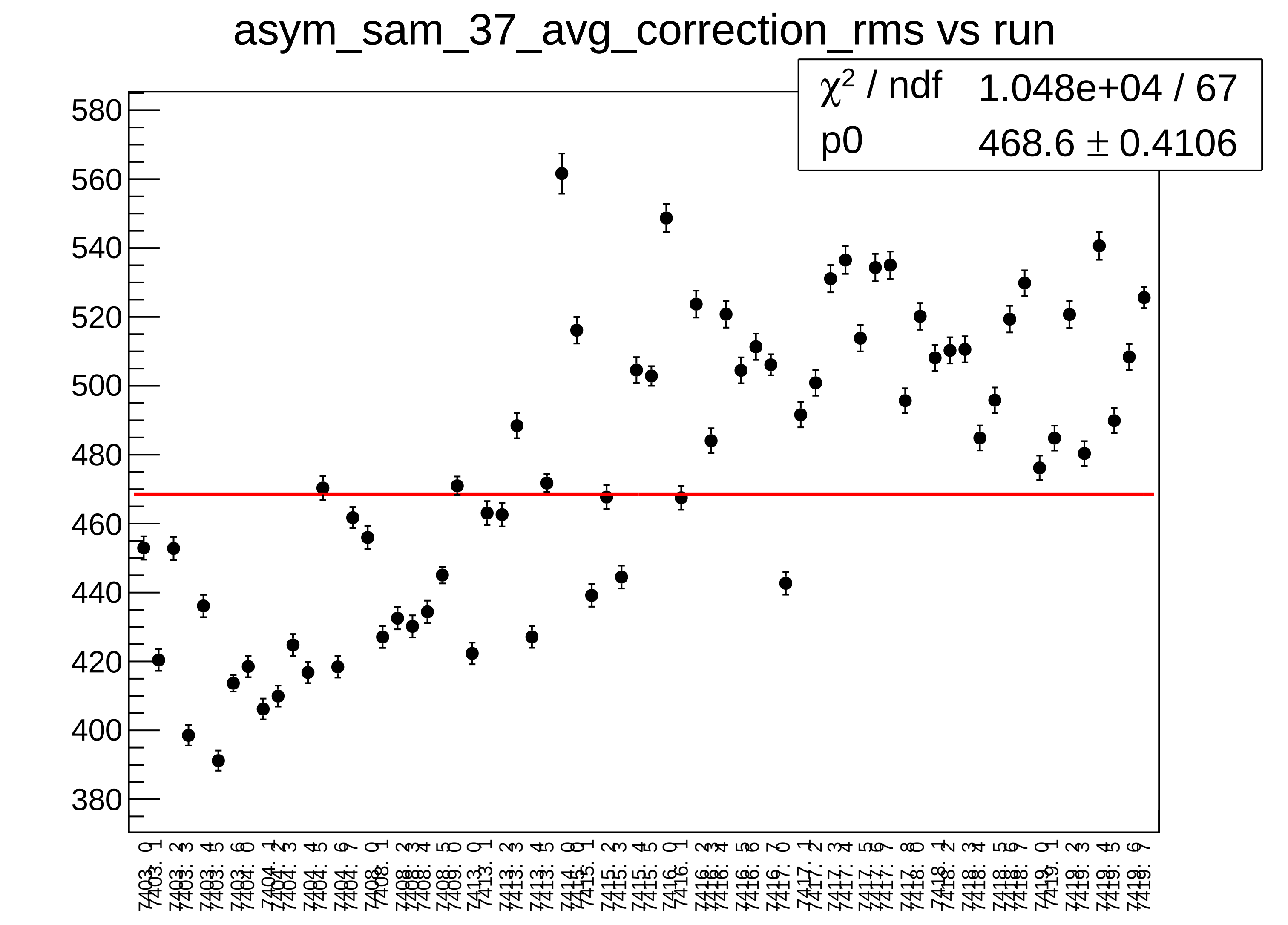
asym_sam_26_avg_rms vs run
χ2 / ndf 6850 / 67
p0 356.6 ± 0.3121
440
420
400
380
360
340
320
300



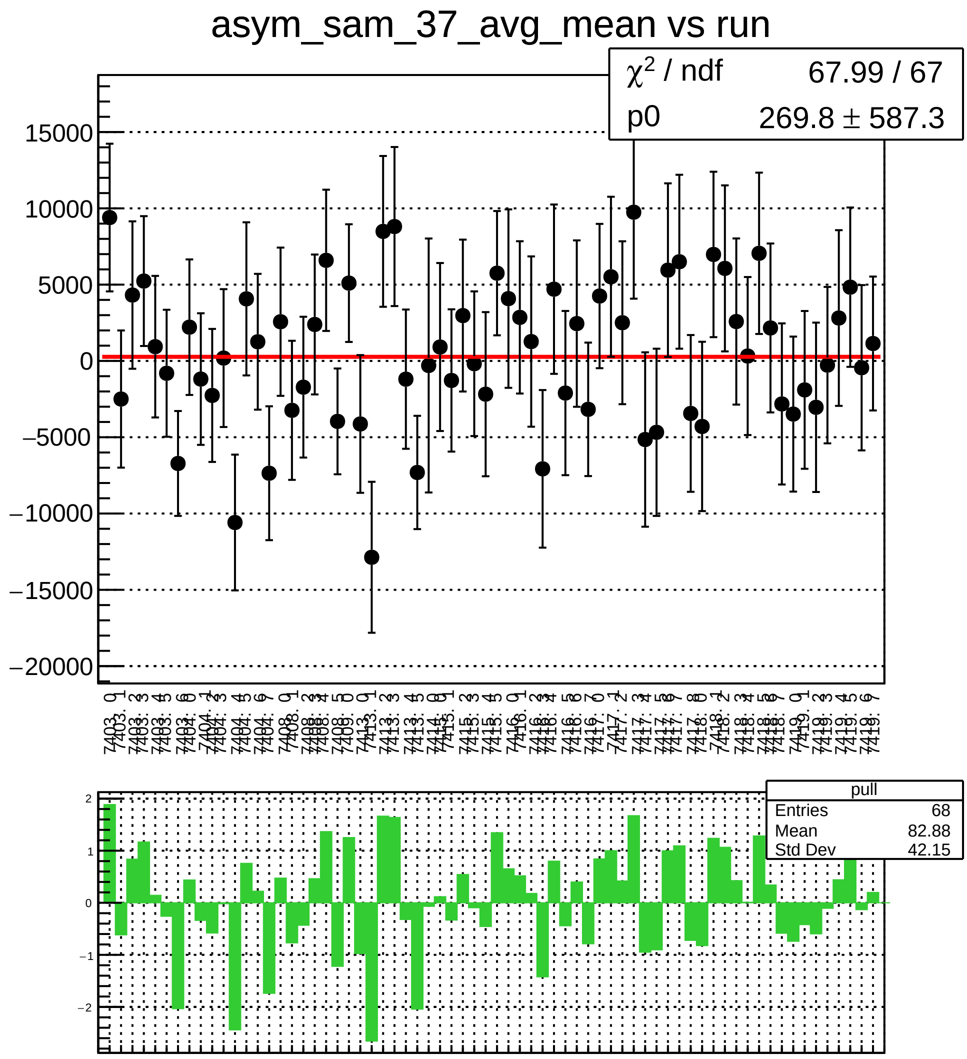
reg_asym_sam_37_avg_mean vs run
χ^2 / ndf 73.18 / 67
p0 72.73 ± 86.07
pull
Entries 68
Mean 396.7
Std Dev 351.1
pull1D
Entries 68
Mean 0.002573
Std Dev 1.037

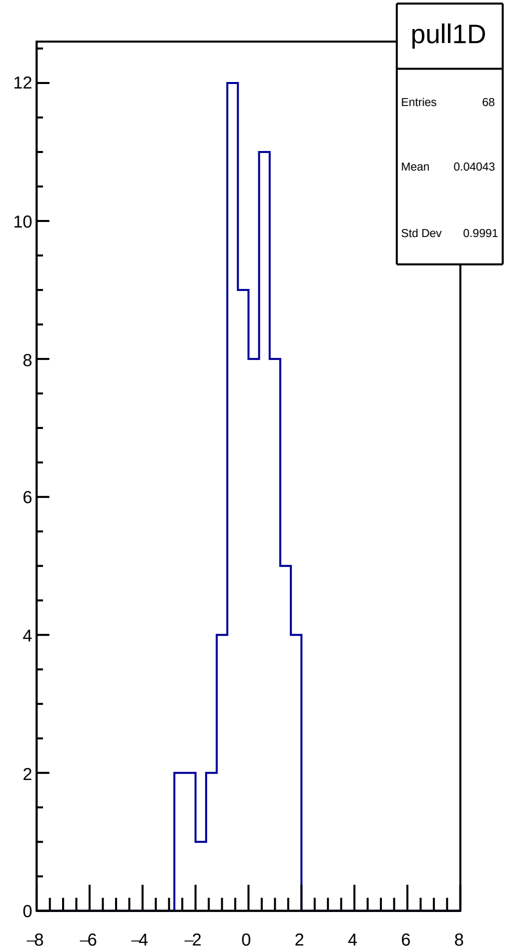

reg_asym_sam_37_avg_rms vs run
χ2 / ndf 2.758e+04 / 67
p0 68.98 ± 0.06086
85
80
75
70
65
60
55
50
45

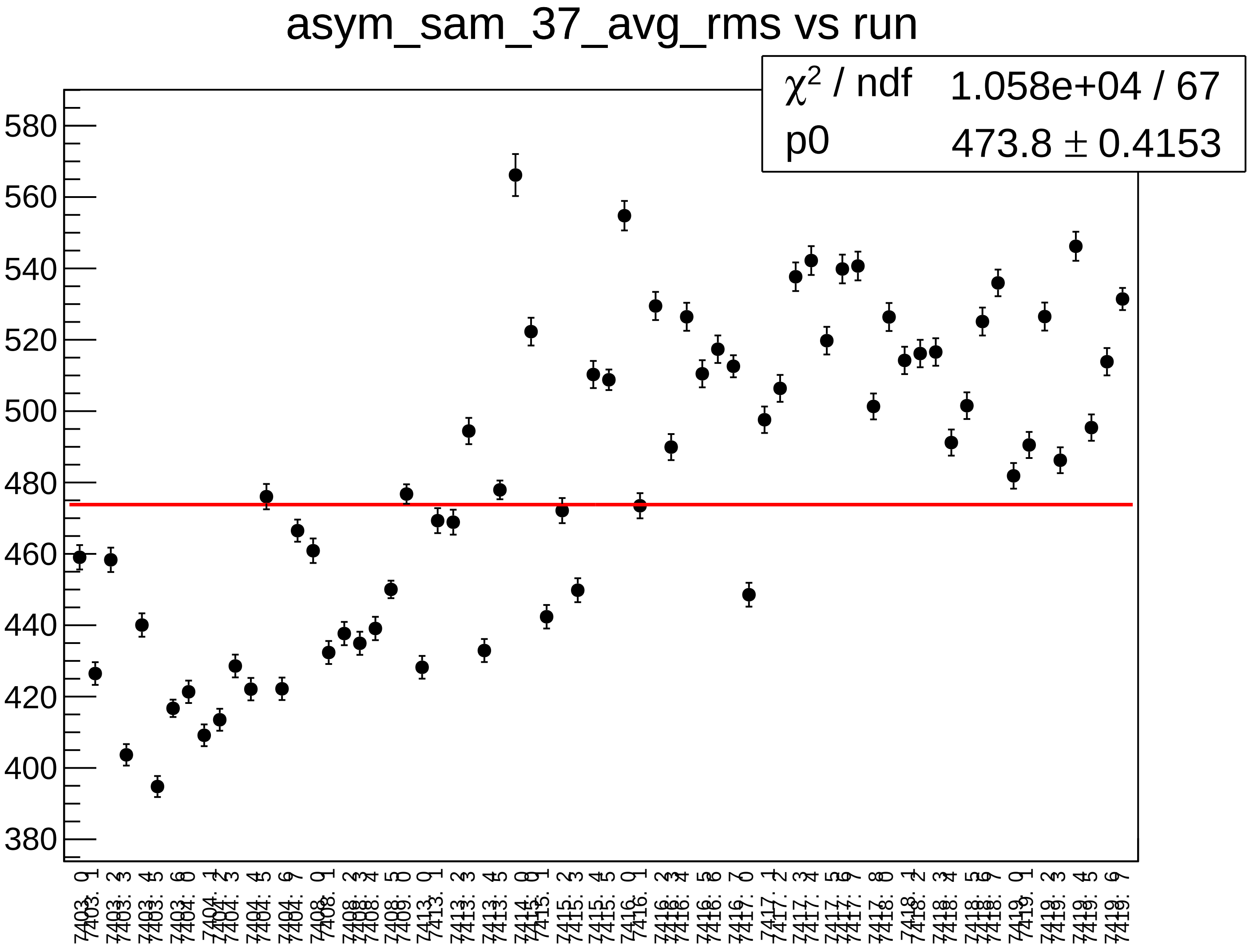

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 64.69 / 67
p0 −207.3 ± 580.7
pull
Entries 68
Mean 80.14
Std Dev 39.91
pull1D
Entries 68
Mean −0.03961
Std Dev 0.9746



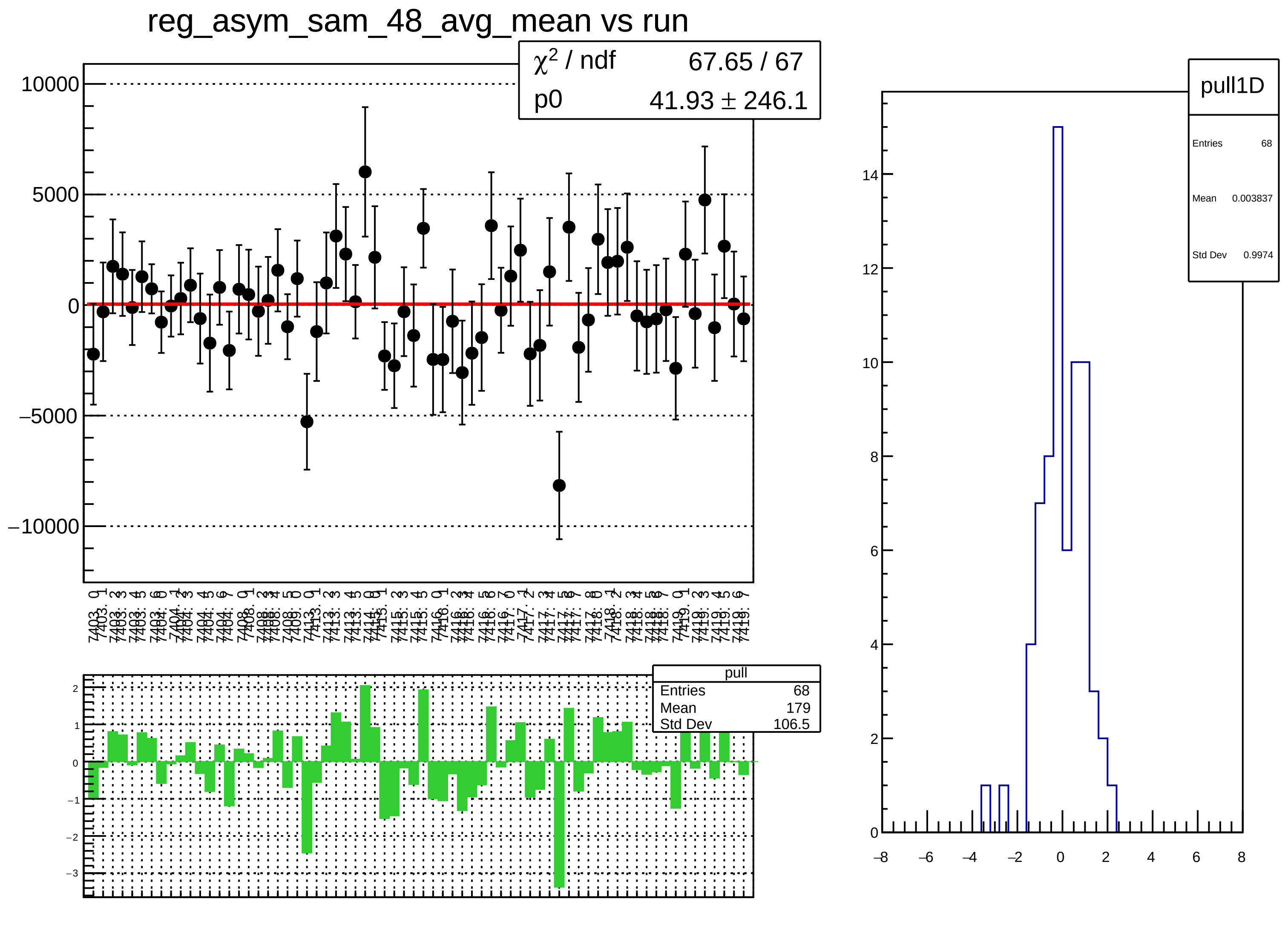
asym_sam_37_avg_correction_rms vs run
χ2 / ndf 1.048e+04 / 67
p0 468.6 ± 0.4106
580
560
540
520
500
480
460
440
420
400
380

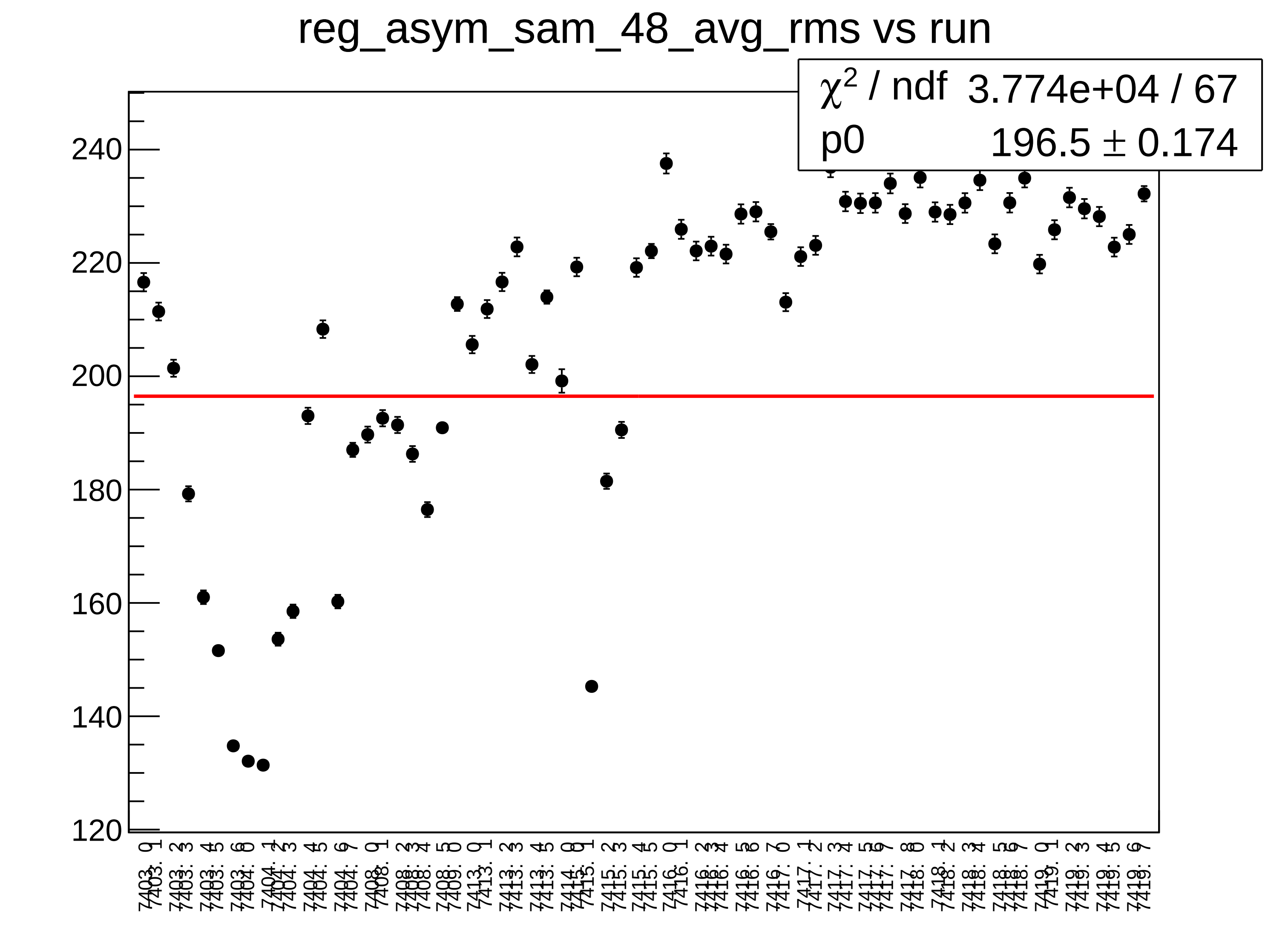

asym_sam_37_avg_mean vs run
χ^2 / ndf 67.99 / 67
p0 269.8 ± 587.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 68
Mean 82.88
Std Dev 42.15

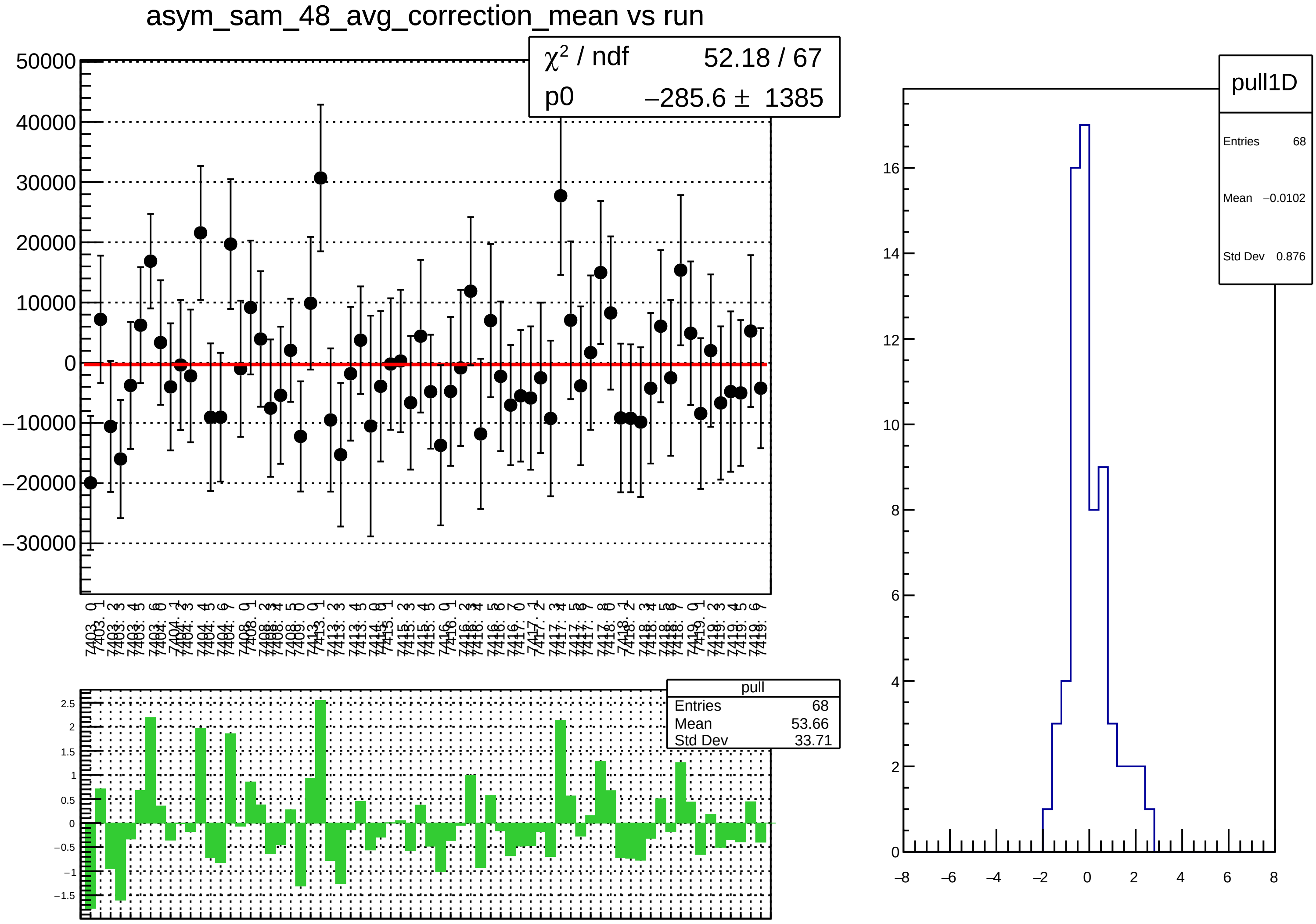

pull1D
Entries 68
Mean 0.04043
Std Dev 0.9991

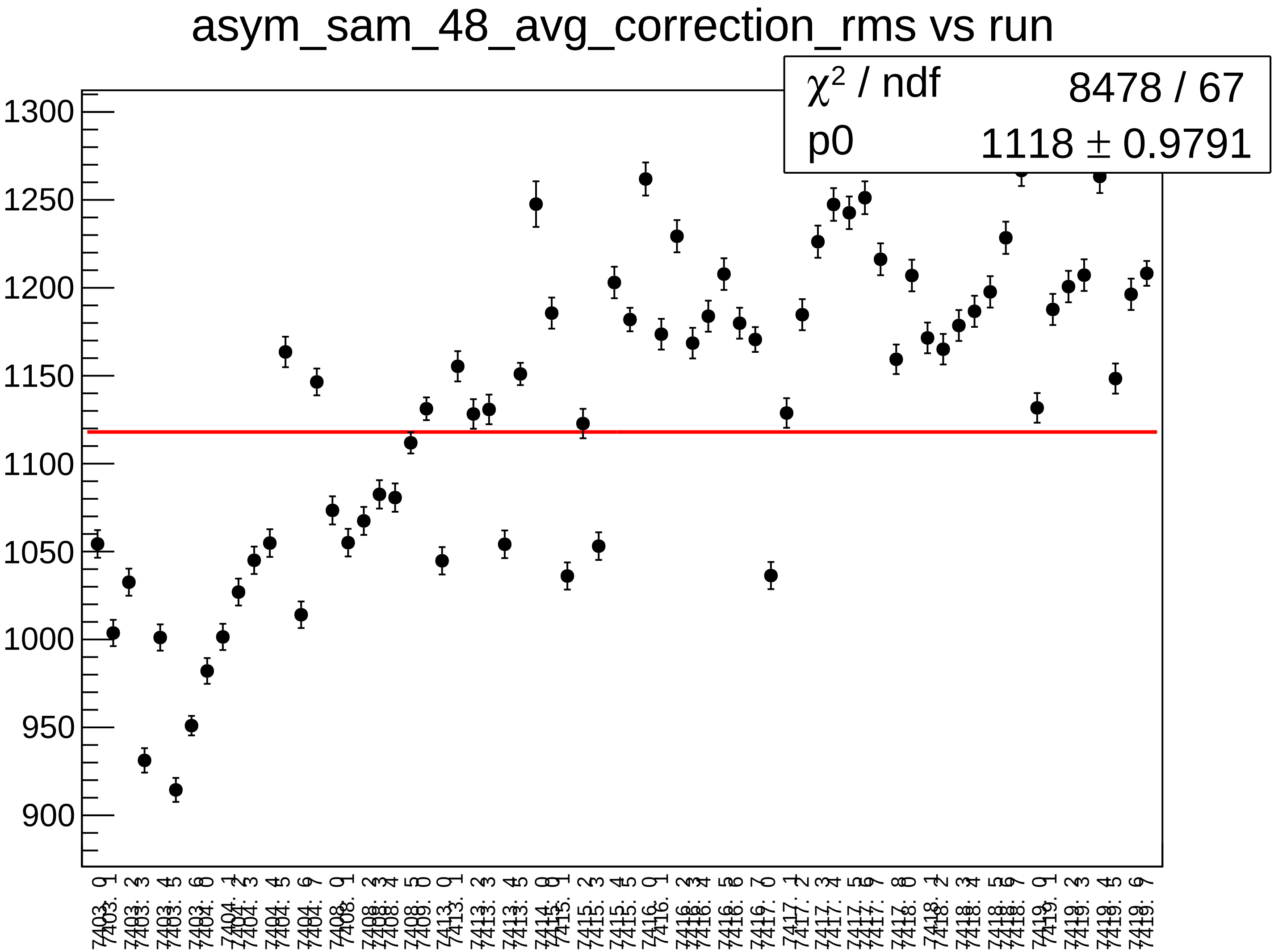


asym_sam_37_avg_rms vs run
χ^2 / ndf 1.058e+04 / 67
p0 473.8 ± 0.4153
580
560
540
520
500
480
460
440
420
400
380

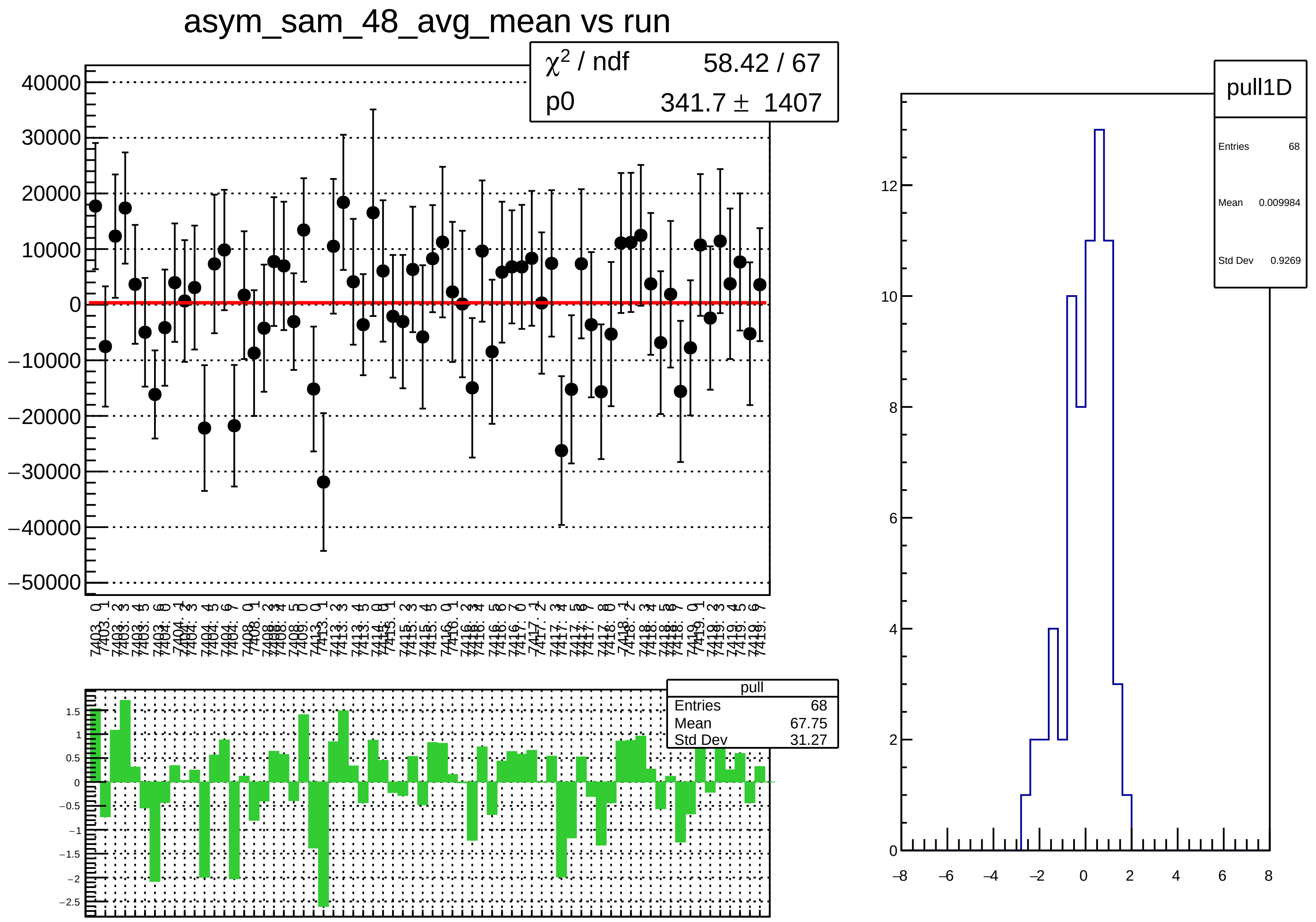

reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 67.65 / 67
p0 41.93 ± 246.1
pull
Entries 68
Mean 179
Std Dev 106.5
pull1D
Entries 68
Mean 0.003837
Std Dev 0.9974


reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.774e+04 / 67
p0 196.5 ± 0.174

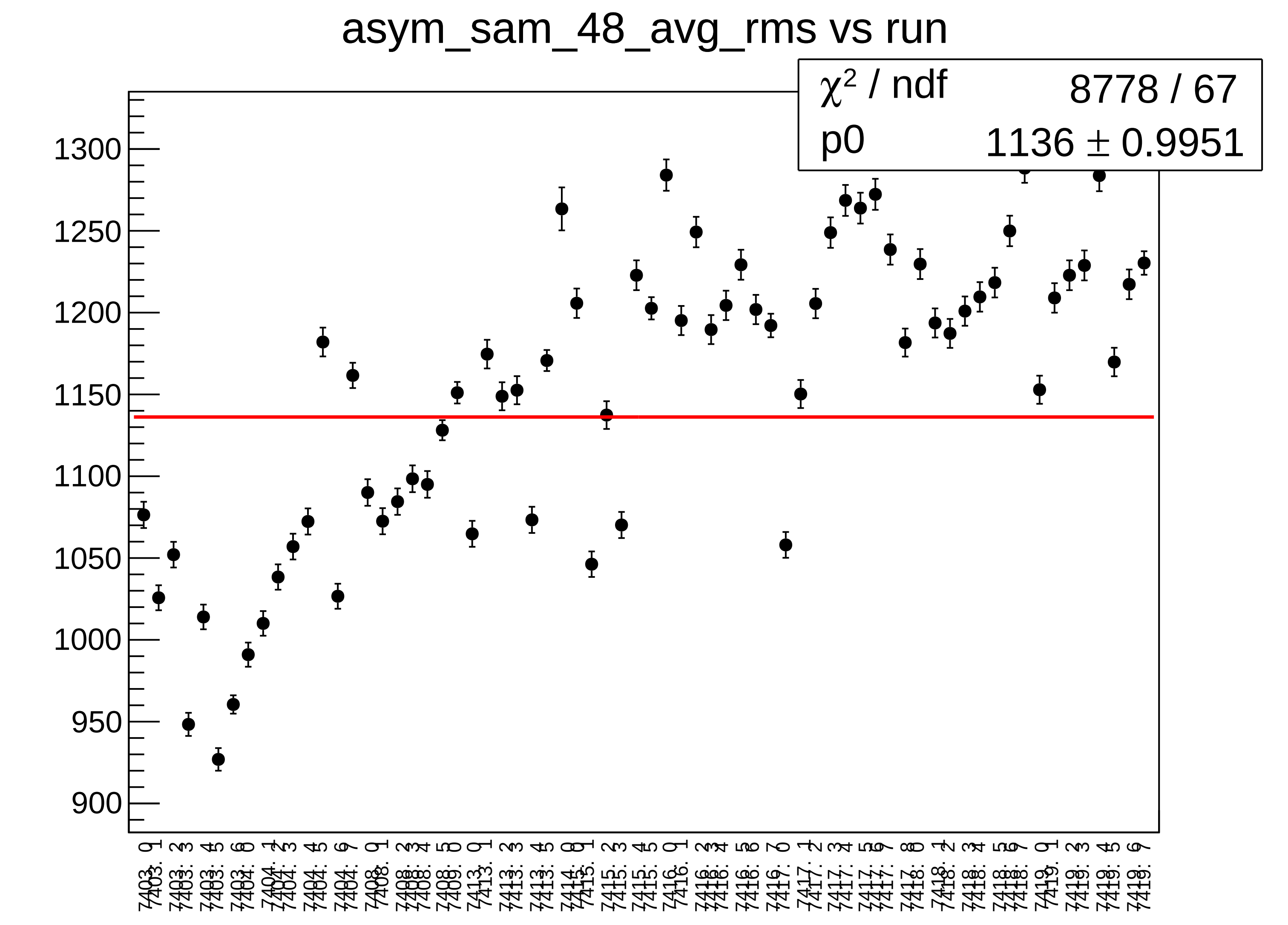

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 52.18 / 67
p0 −285.6 ± 1385
pull
Entries 68
Mean 53.66
Std Dev 33.71
pull1D
Entries 68
Mean −0.0102
Std Dev 0.876

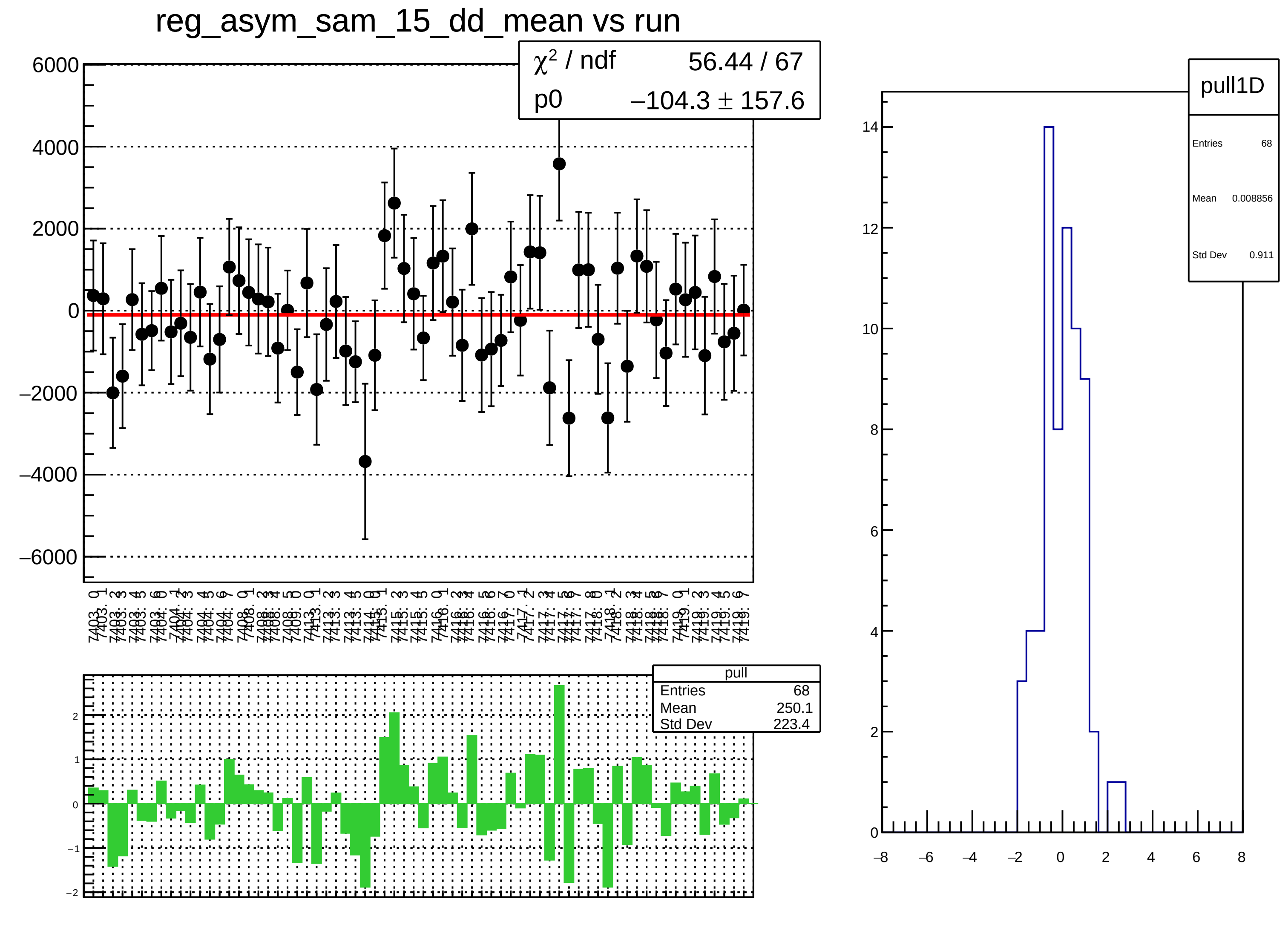


asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 8478 / 67
p0 1118 ± 0.9791
1300
1250
1200
1150
1100
1050
1000
950
900

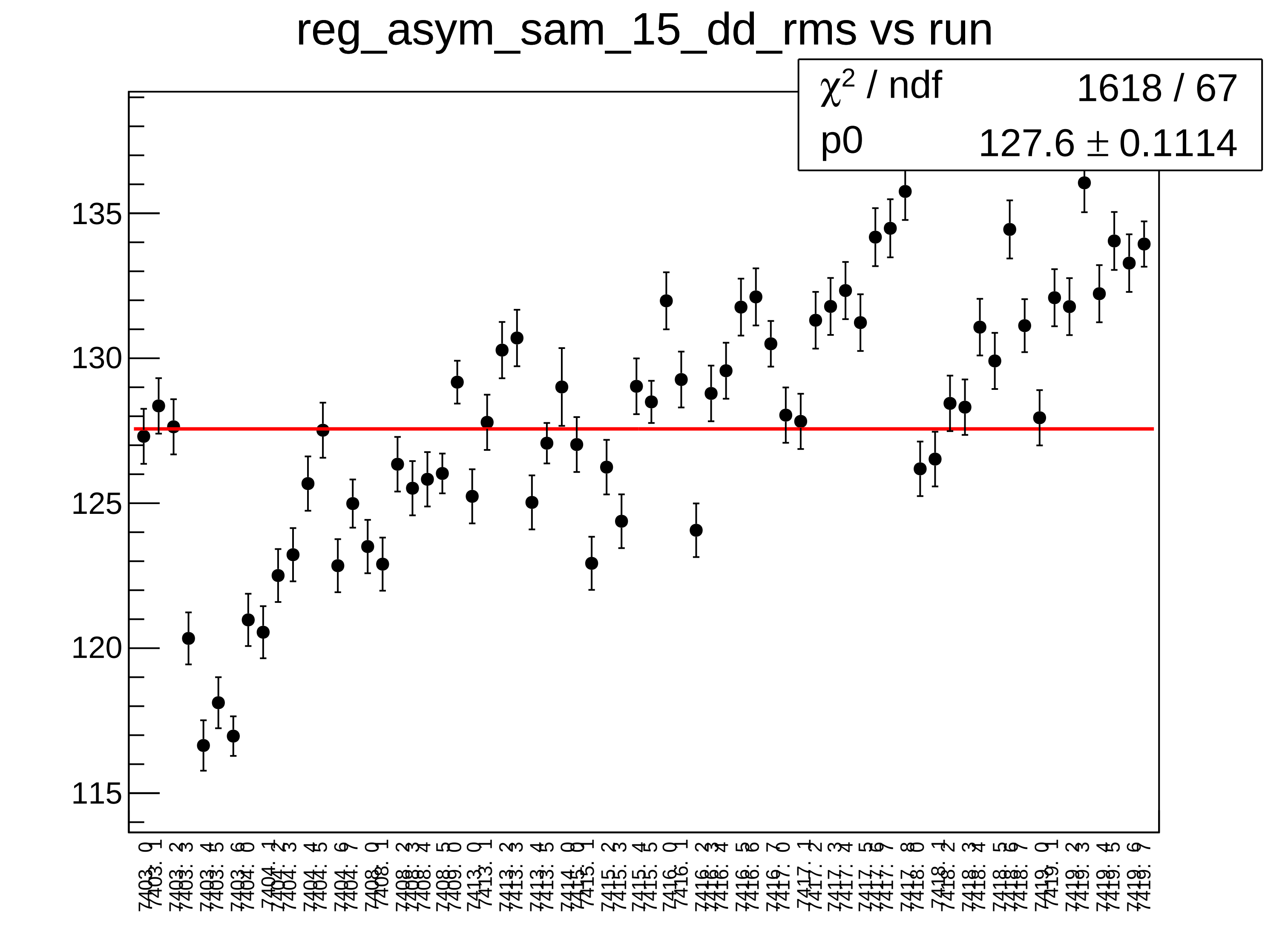


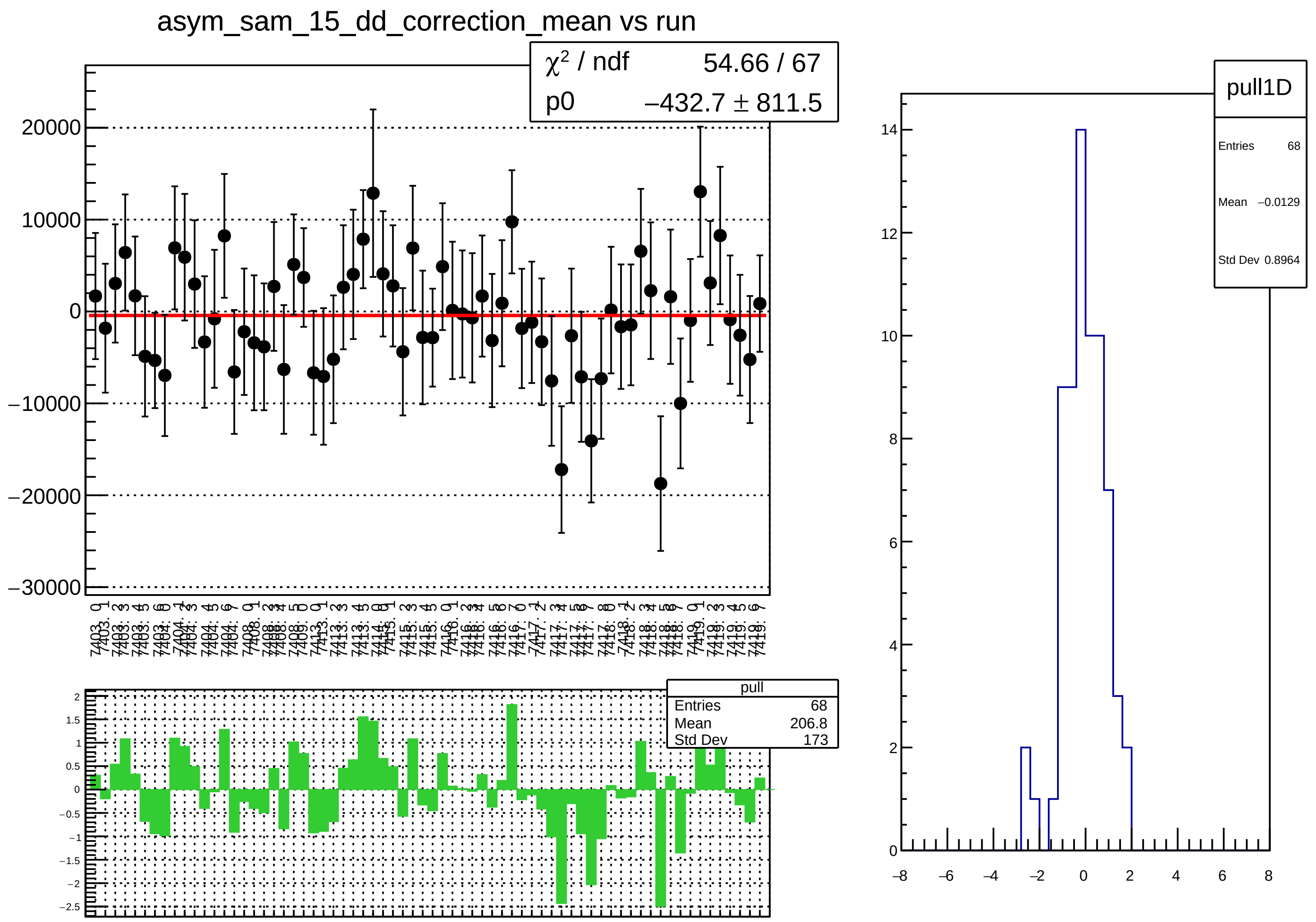
asym_sam_48_avg_mean vs run
χ^2 / ndf 58.42 / 67
p0 341.7 ± 1407
pull
Entries 68
Mean 67.75
Std Dev 31.27
pull1D
Entries 68
Mean 0.009984
Std Dev 0.9269

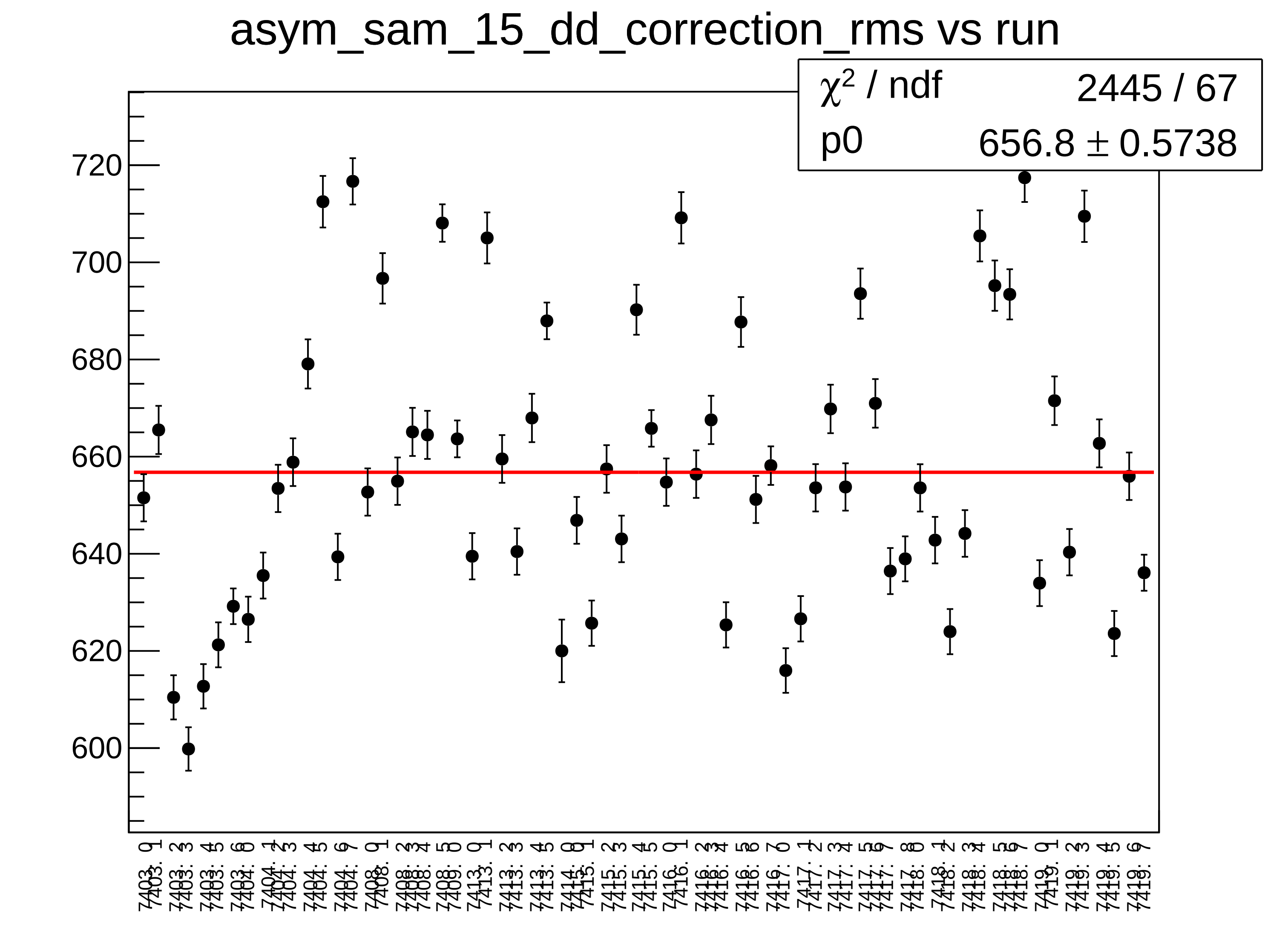

asym_sam_48_avg_rms vs run
χ2 / ndf 8778 / 67
p0 1136 ± 0.9951
1300
1250
1200
1150
1100
1050
1000
950
900

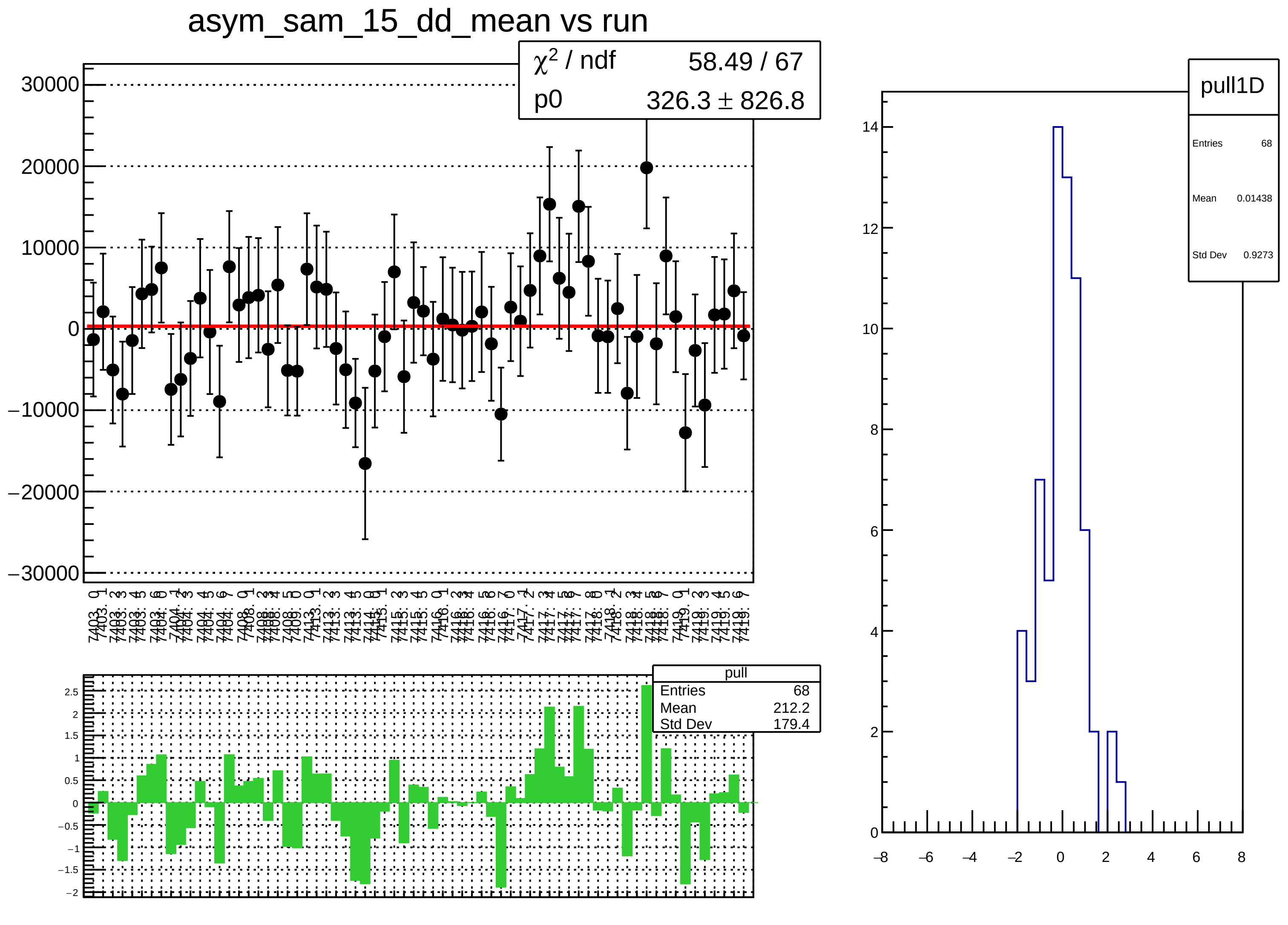


reg_asym_sam_15_dd_mean vs run
χ^2 / ndf 56.44 / 67
p0 −104.3 ± 157.6
pull
Entries 68
Mean 250.1
Std Dev 223.4
pull1D
Entries 68
Mean 0.008856
Std Dev 0.911

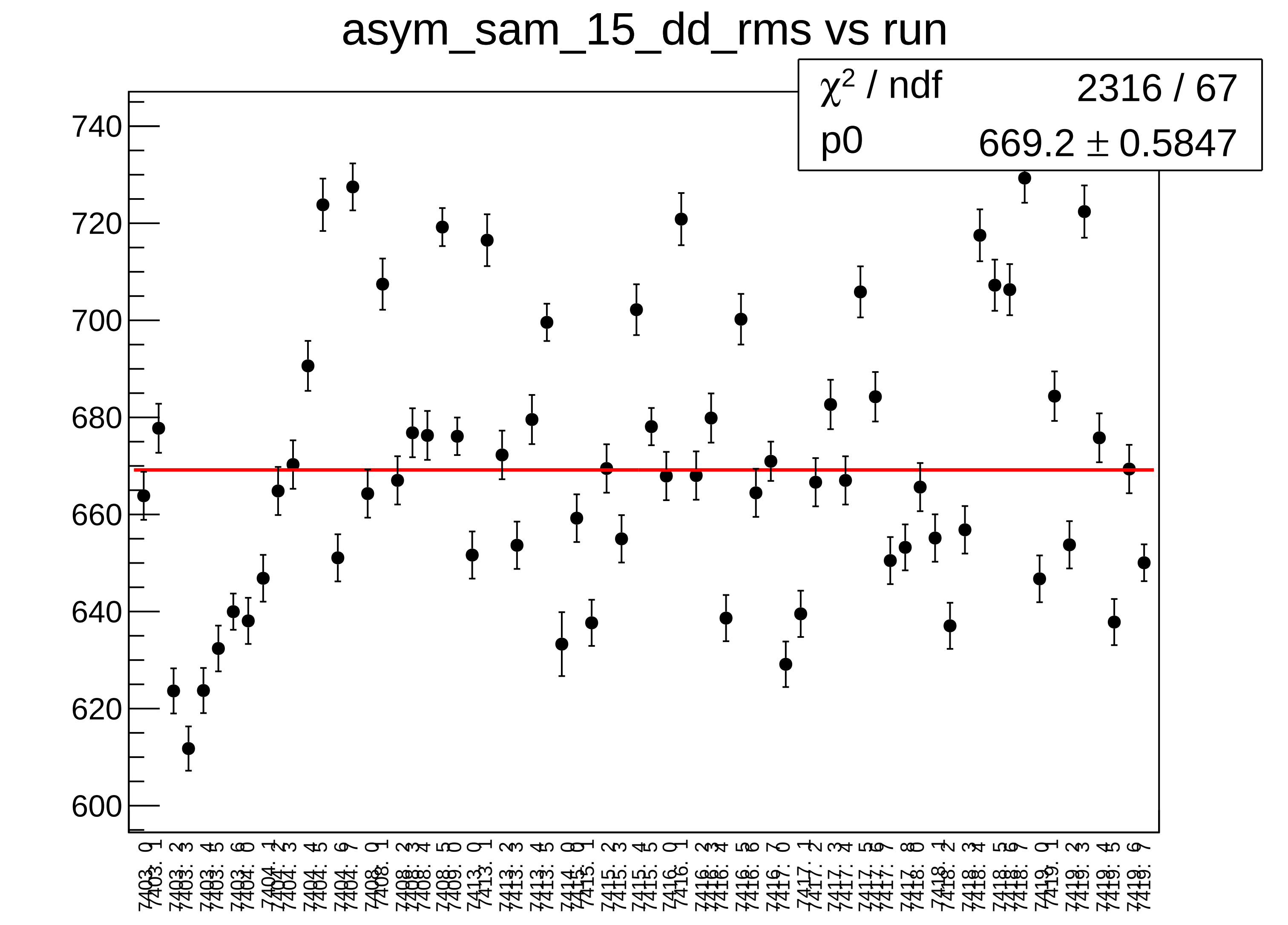

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 1618 / 67
p0 127.6 ± 0.1114
135
130
125
120
115

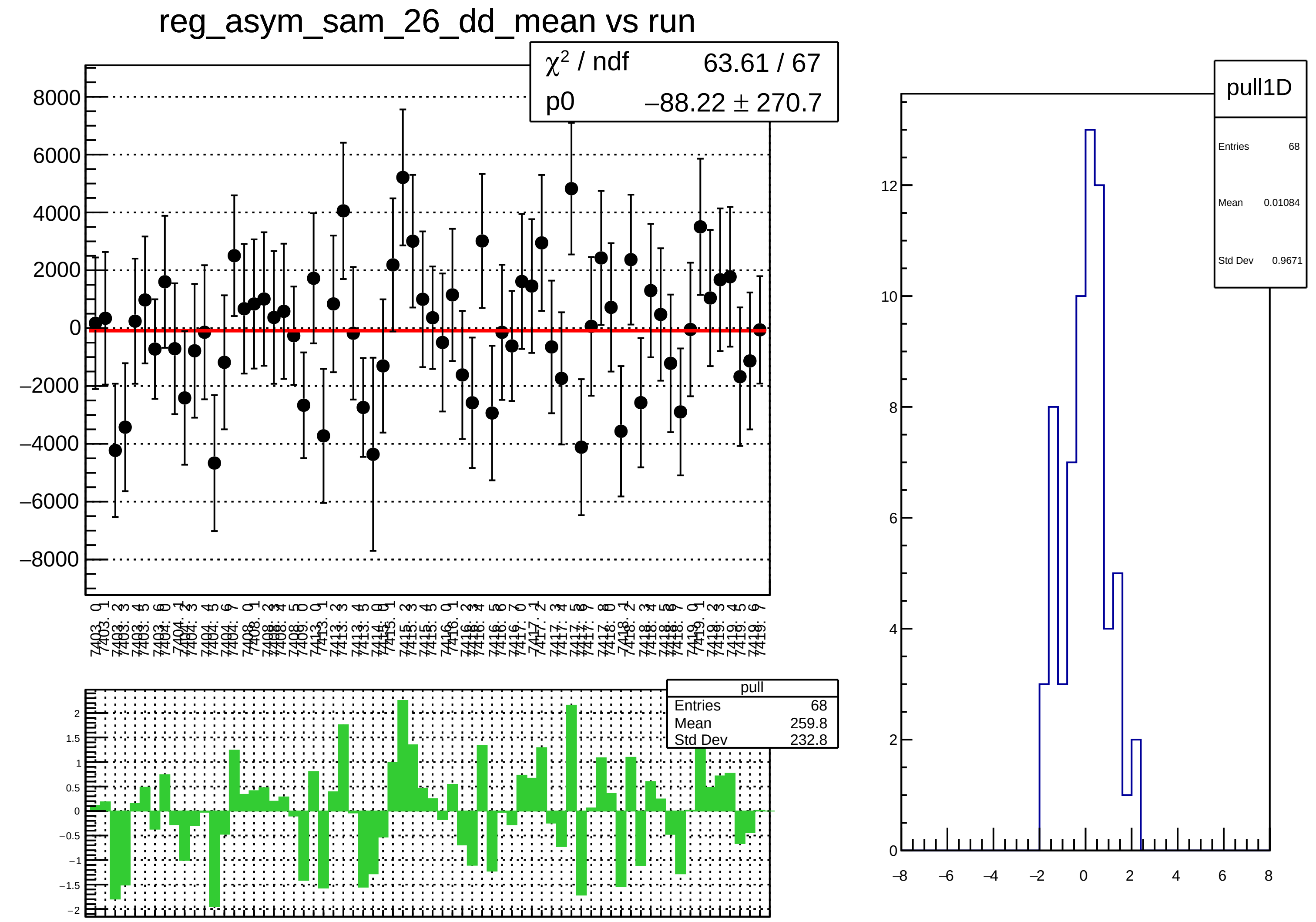

asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 54.66 / 67
p0 −432.7 ± 811.5
pull
Entries 68
Mean 206.8
Std Dev 173
pull1D
Entries 68
Mean −0.0129
Std Dev 0.8964


asym_sam_15_dd_correction_rms vs run
χ2 / ndf 2445 / 67
p0 656.8 ± 0.5738
720
700
680
660
640
620
600

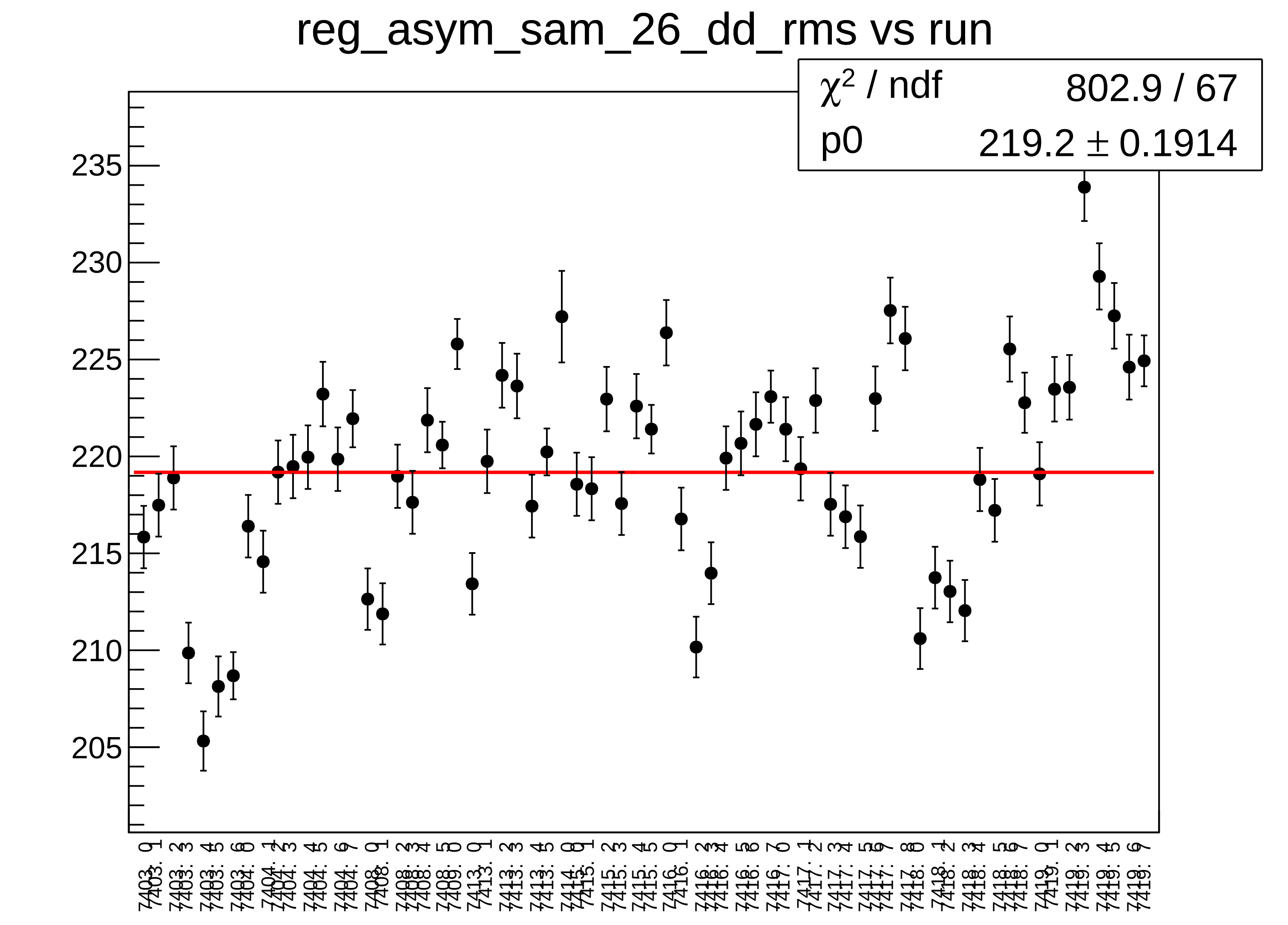


asym_sam_15_dd_mean vs run
χ^2 / ndf 58.49 / 67
p0 326.3 ± 826.8
pull
Entries 68
Mean 212.2
Std Dev 179.4
pull1D
Entries 68
Mean 0.01438
Std Dev 0.9273

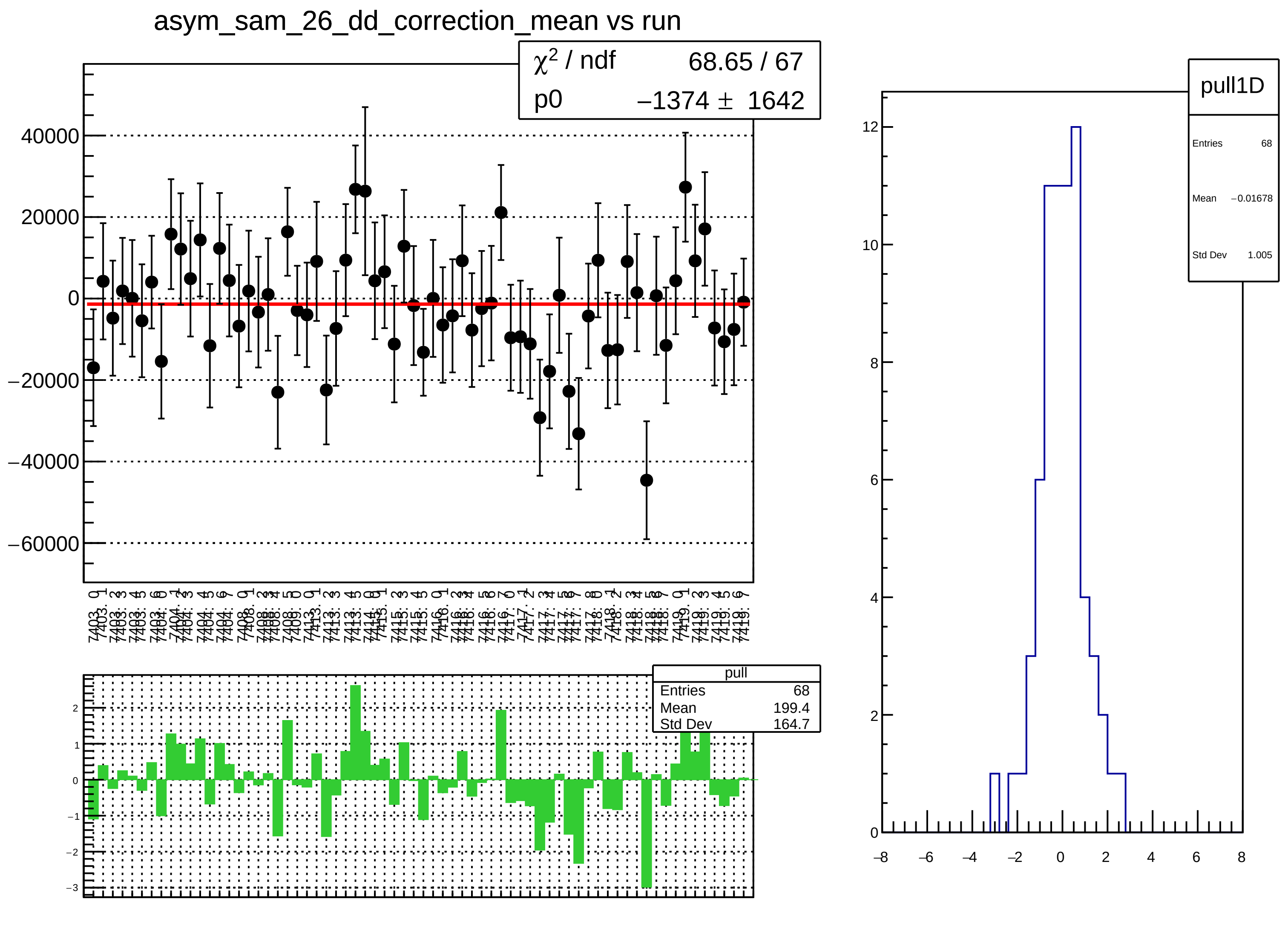

asym_sam_15_dd_rms vs run
χ^2 / ndf 2316 / 67
p0 669.2 ± 0.5847
740
720
700
680
660
640
620
600

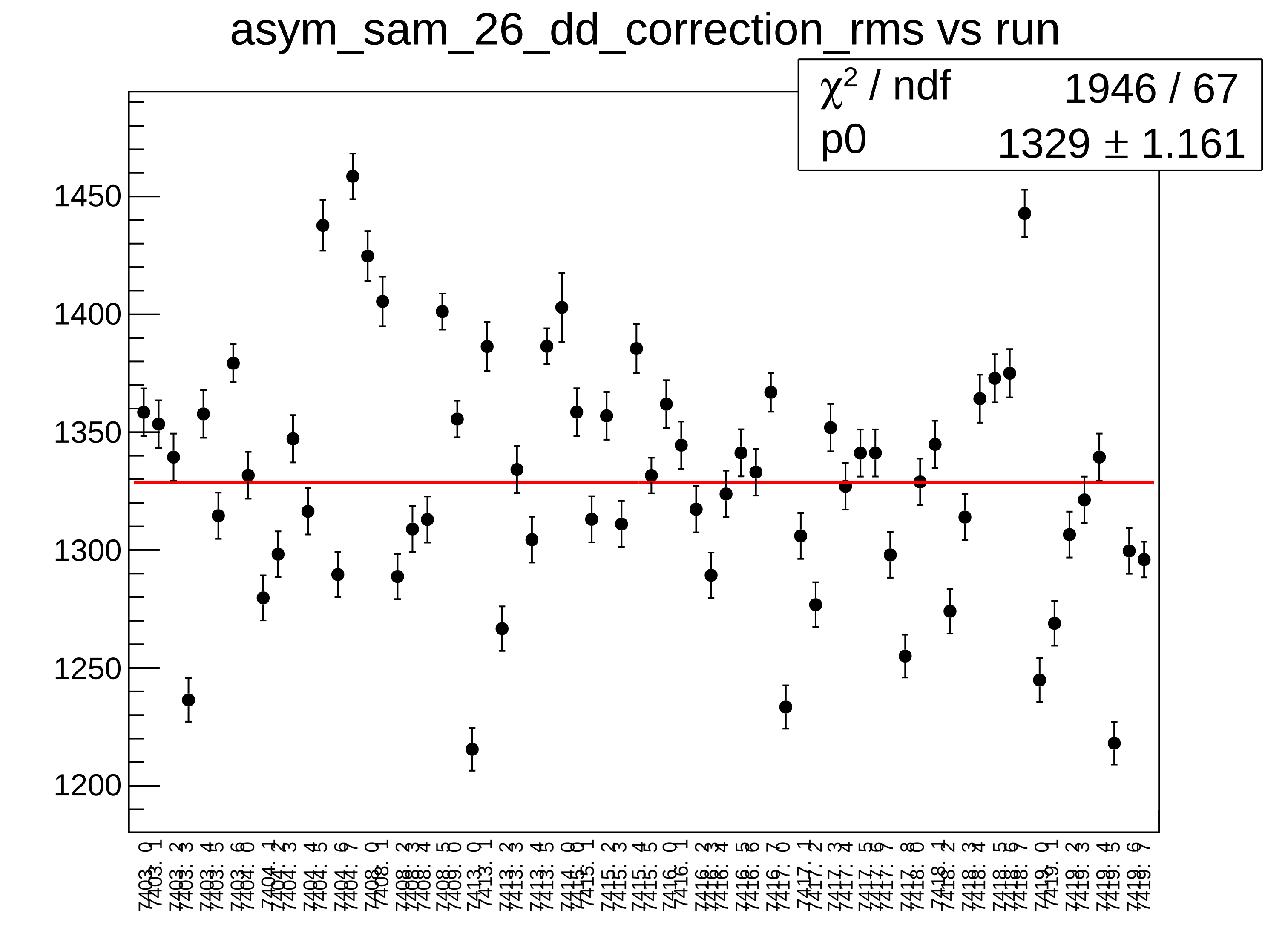


reg_asym_sam_26_dd_mean vs run
χ2 / ndf 63.61 / 67
p0 −88.22 ± 270.7
pull
Entries 68
Mean 259.8
Std Dev 232.8
pull1D
Entries 68
Mean 0.01084
Std Dev 0.9671

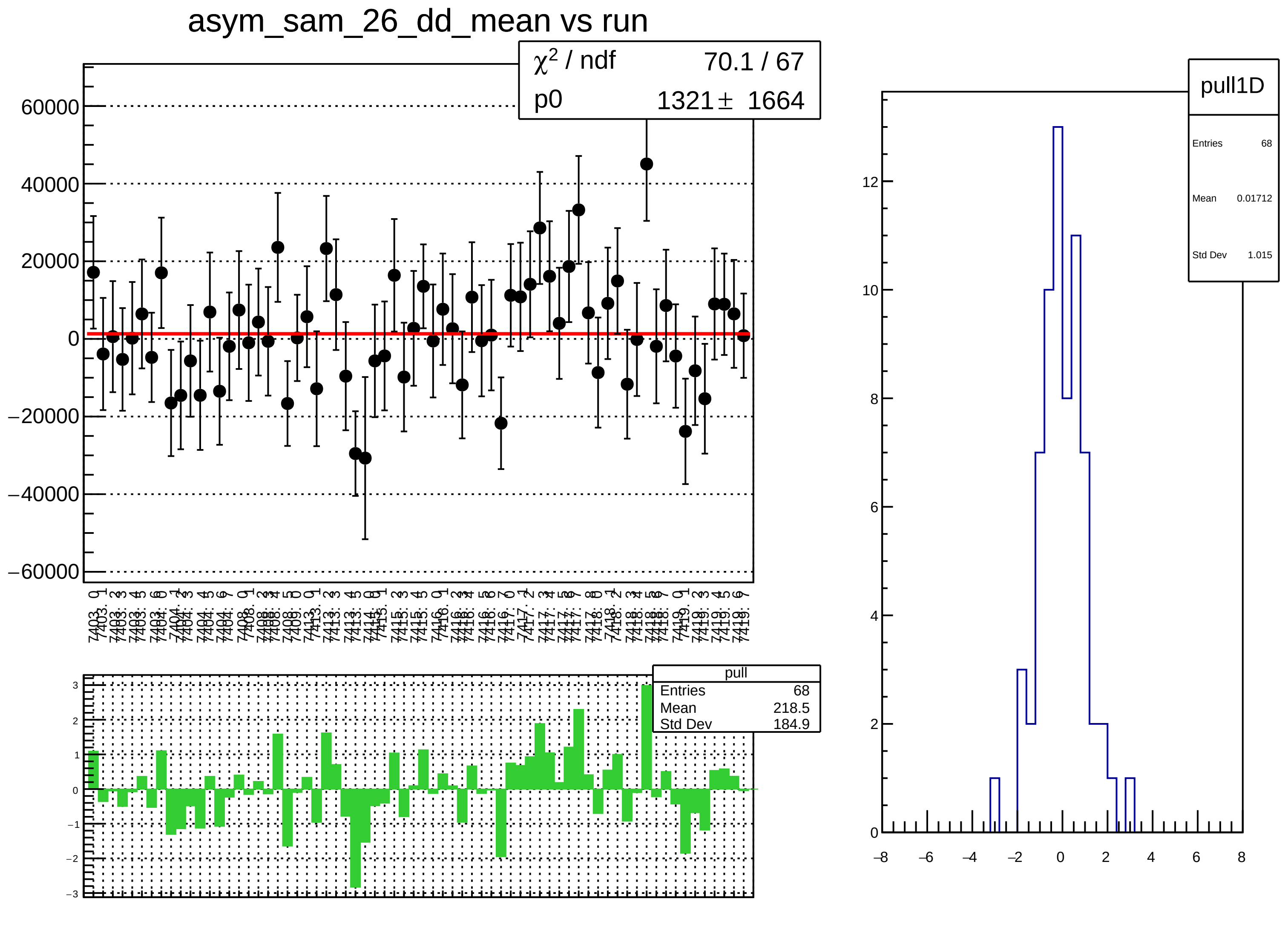


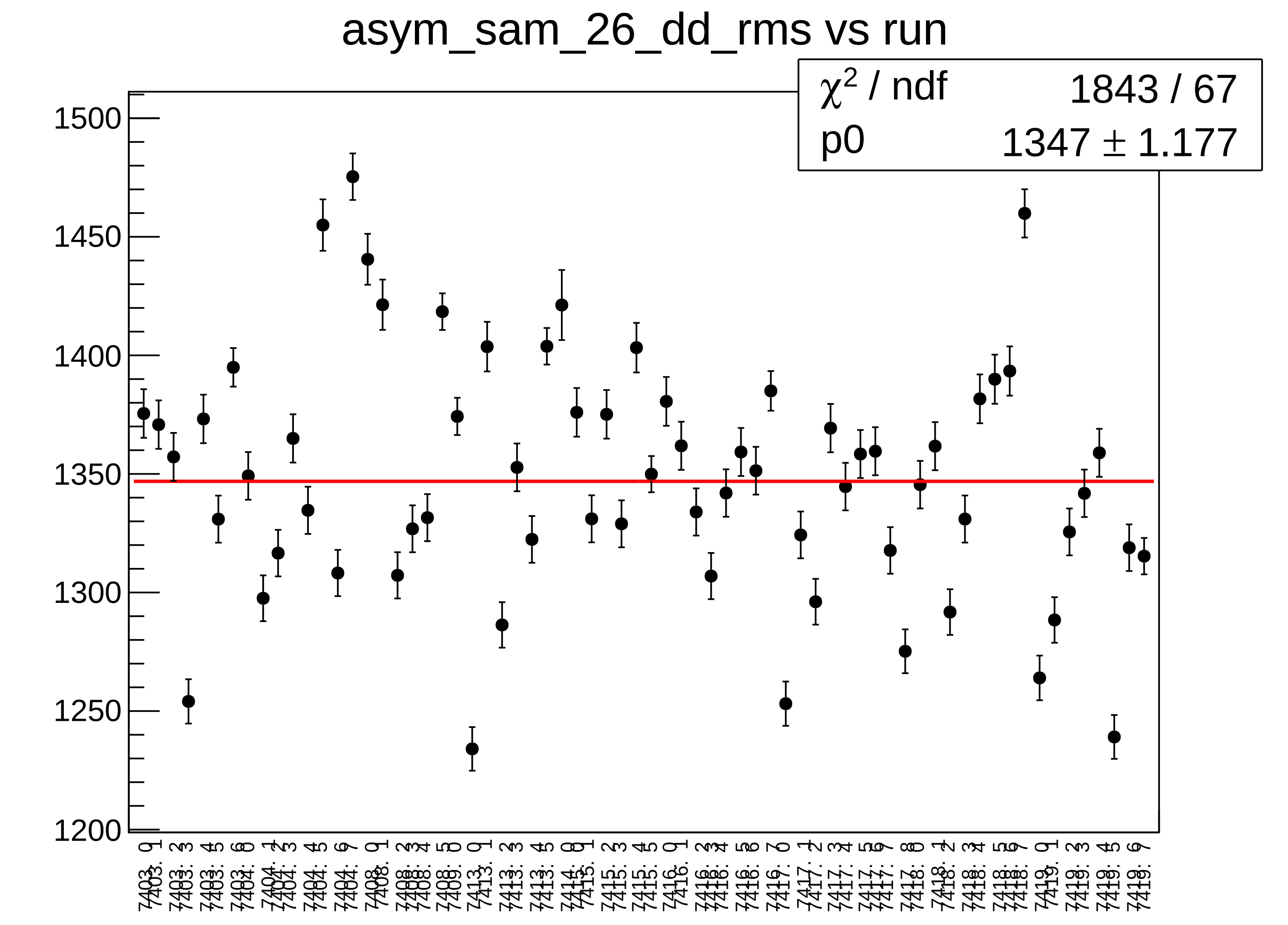
reg_asym_sam_26_dd_rms vs run
χ2 / ndf 802.9 / 67
p0 219.2 ± 0.1914
235
230
225
220
215
210
205


asym_sam_26_dd_correction_mean vs run
χ2 / ndf 68.65 / 67
p0 −1374 ± 1642
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean 199.4
Std Dev 164.7
pull1D
Entries 68
Mean −0.01678
Std Dev 1.005



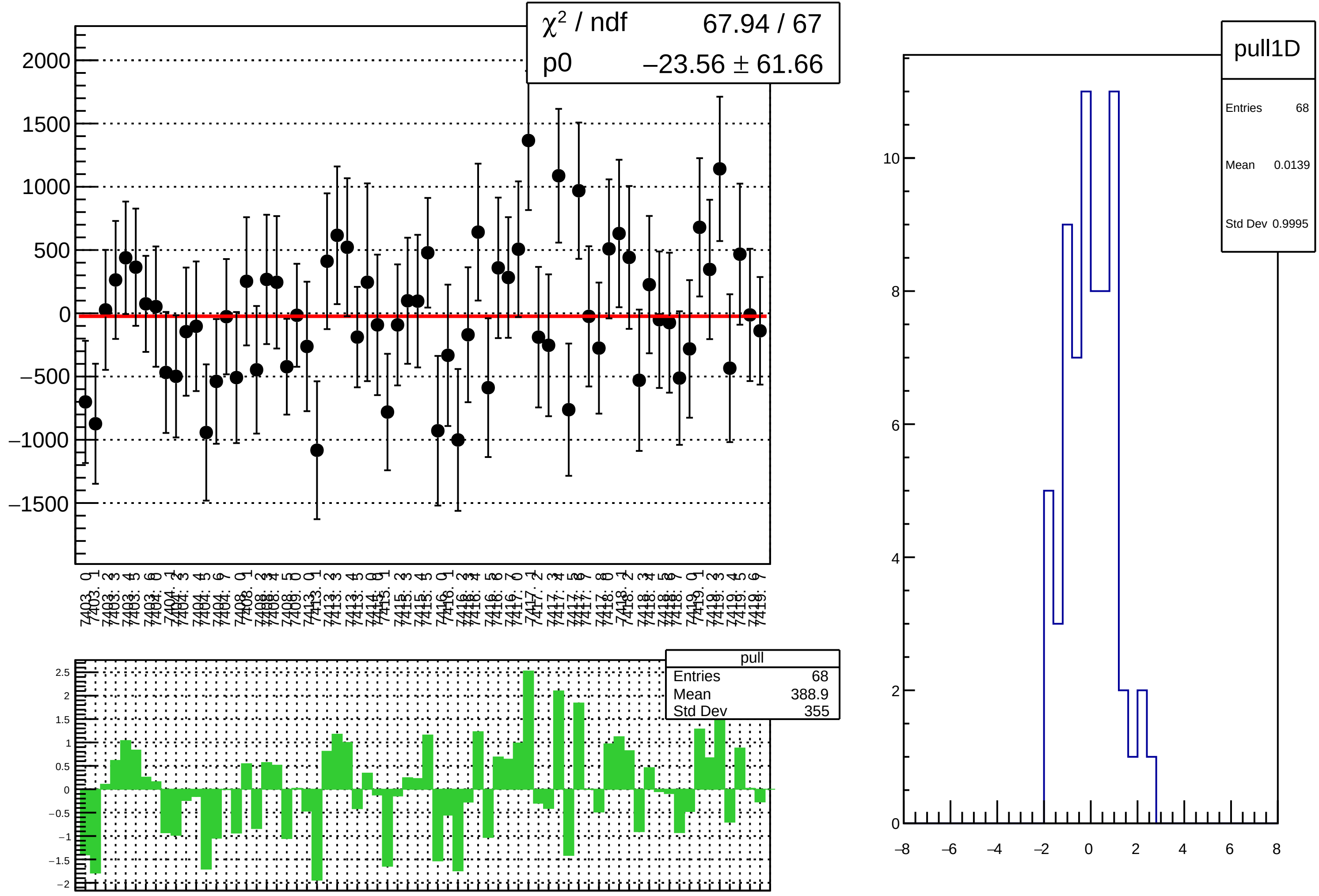
asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 1946 / 67
p0 1329 ± 1.161
1450
1400
1350
1300
1250
1200

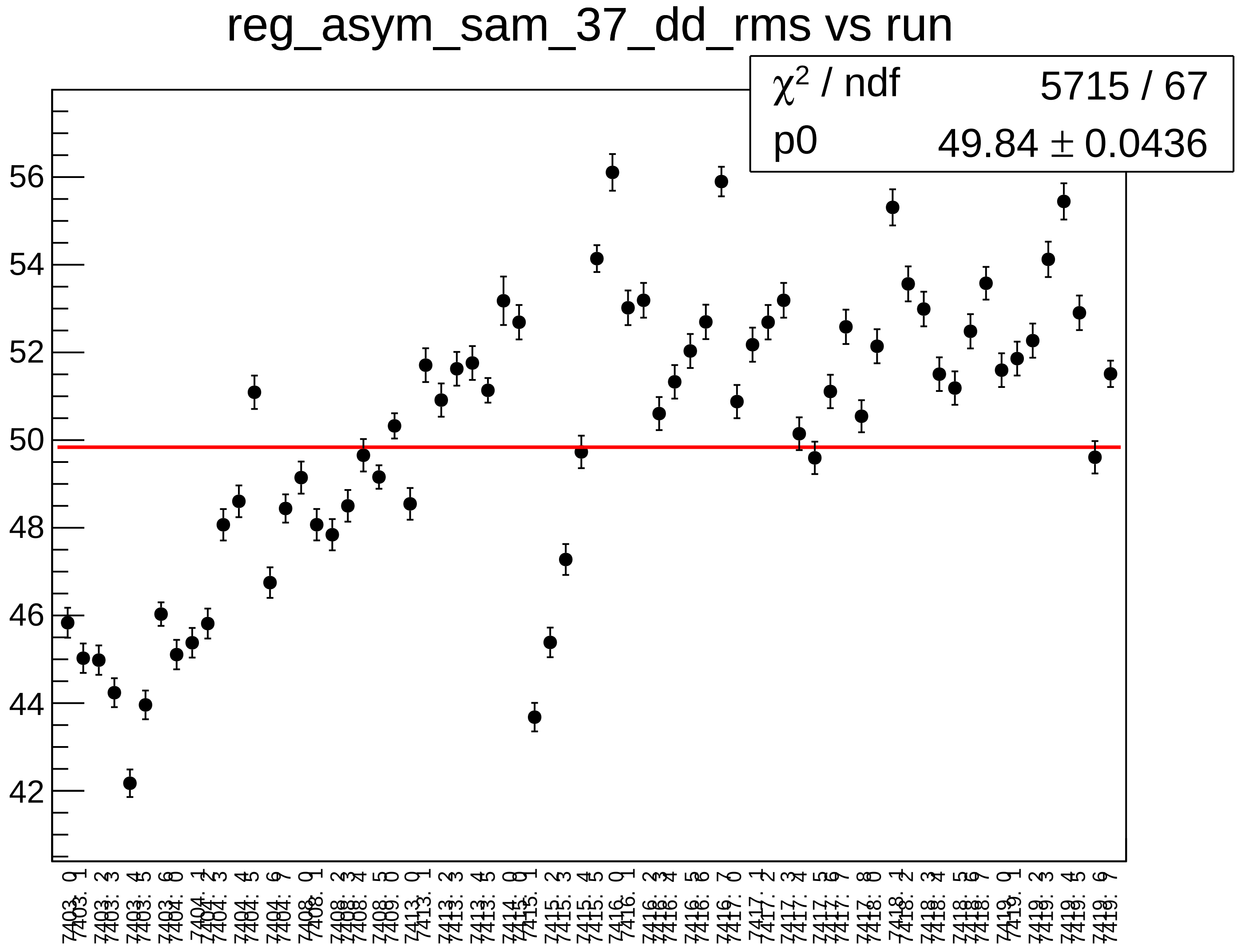

asym_sam_26_dd_mean vs run
χ^2 / ndf 70.1 / 67
p0 1321 ± 1664
pull
Entries 68
Mean 218.5
Std Dev 184.9
pull1D
Entries 68
Mean 0.01712
Std Dev 1.015

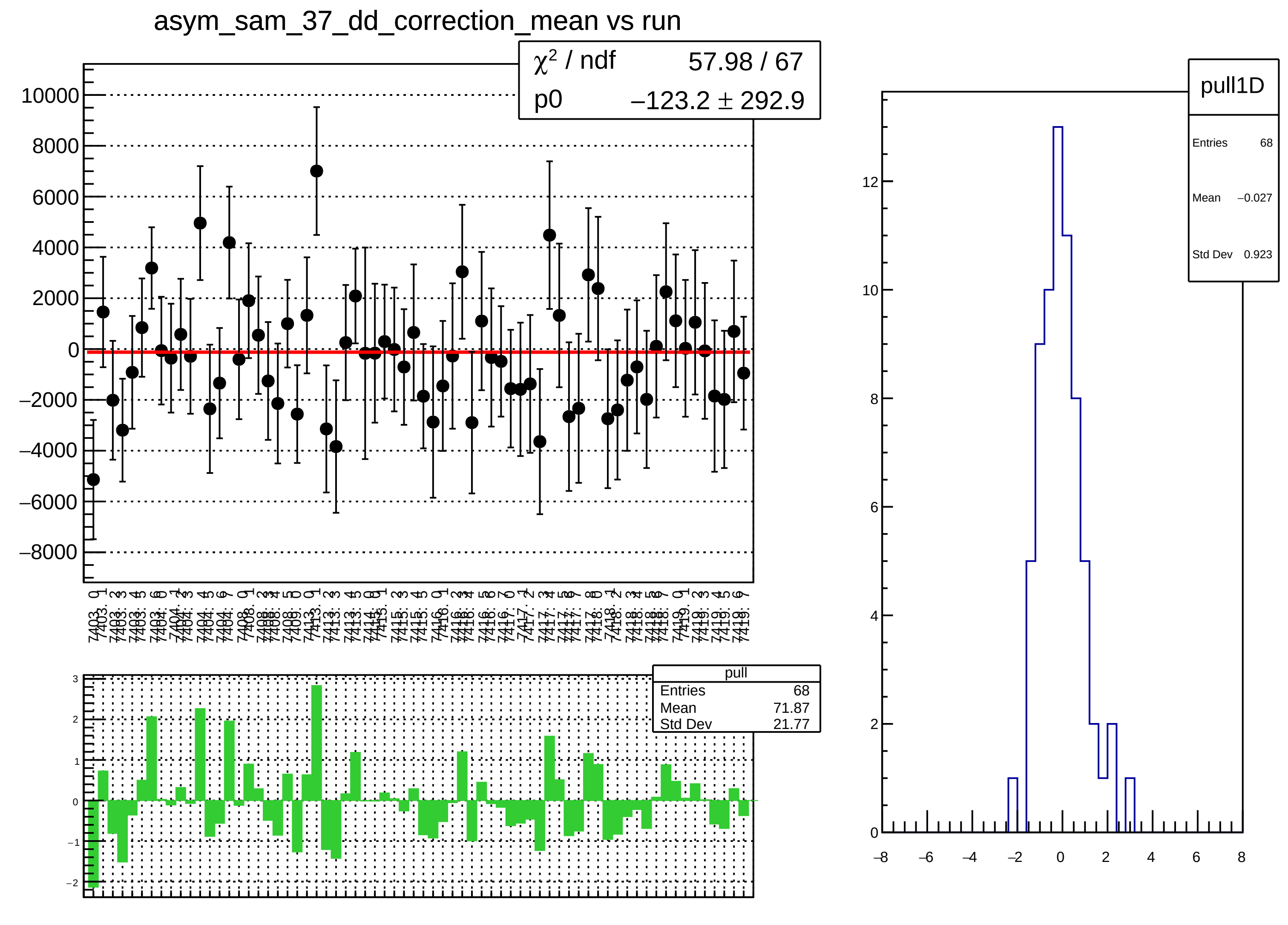


asym_sam_26_dd_rms vs run
χ^2 / ndf 1843 / 67
p0 1347 ± 1.177
1500
1450
1400
1350
1300
1250
1200

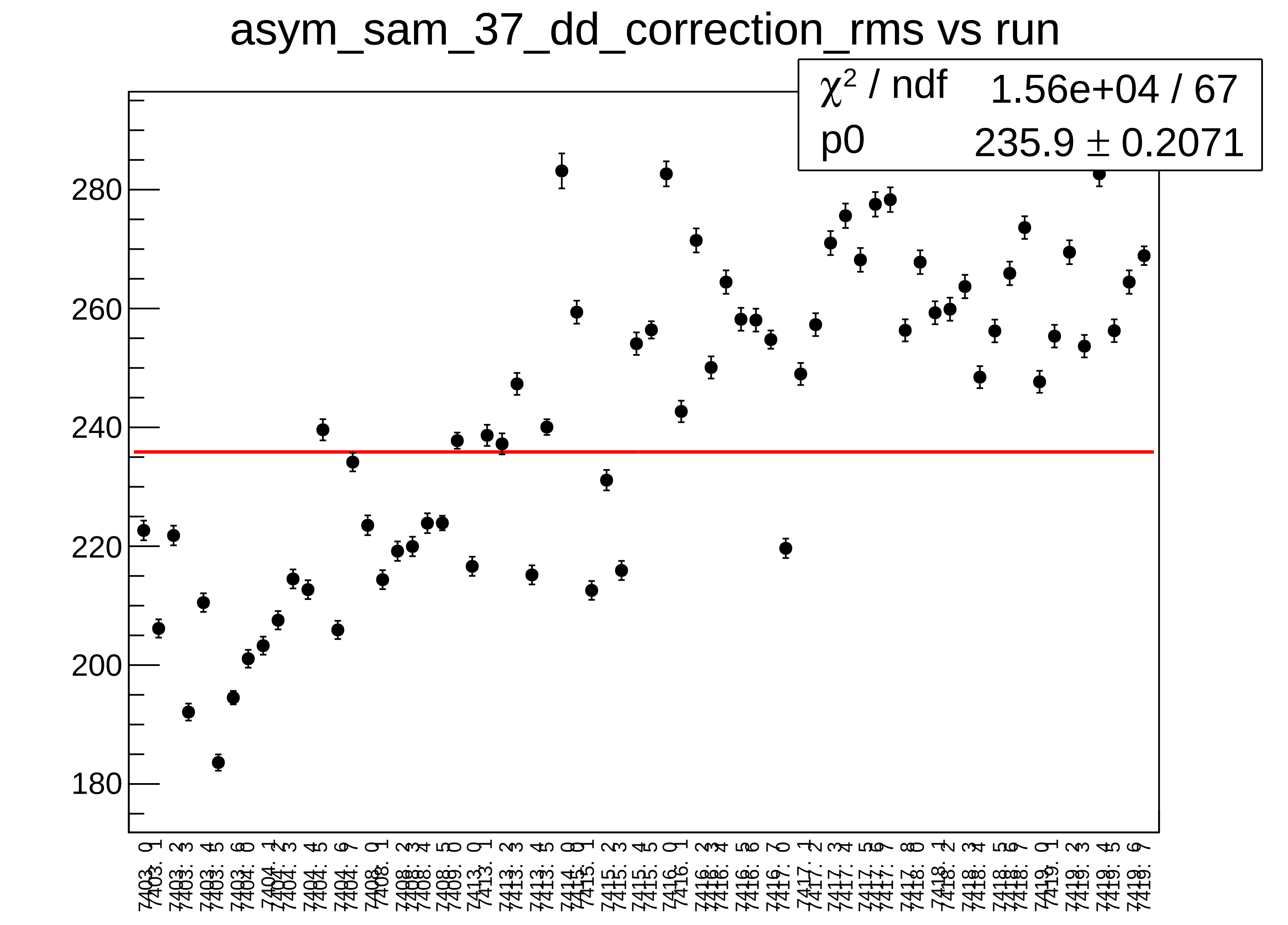
reg_asym_sam_37_dd_mean vs run



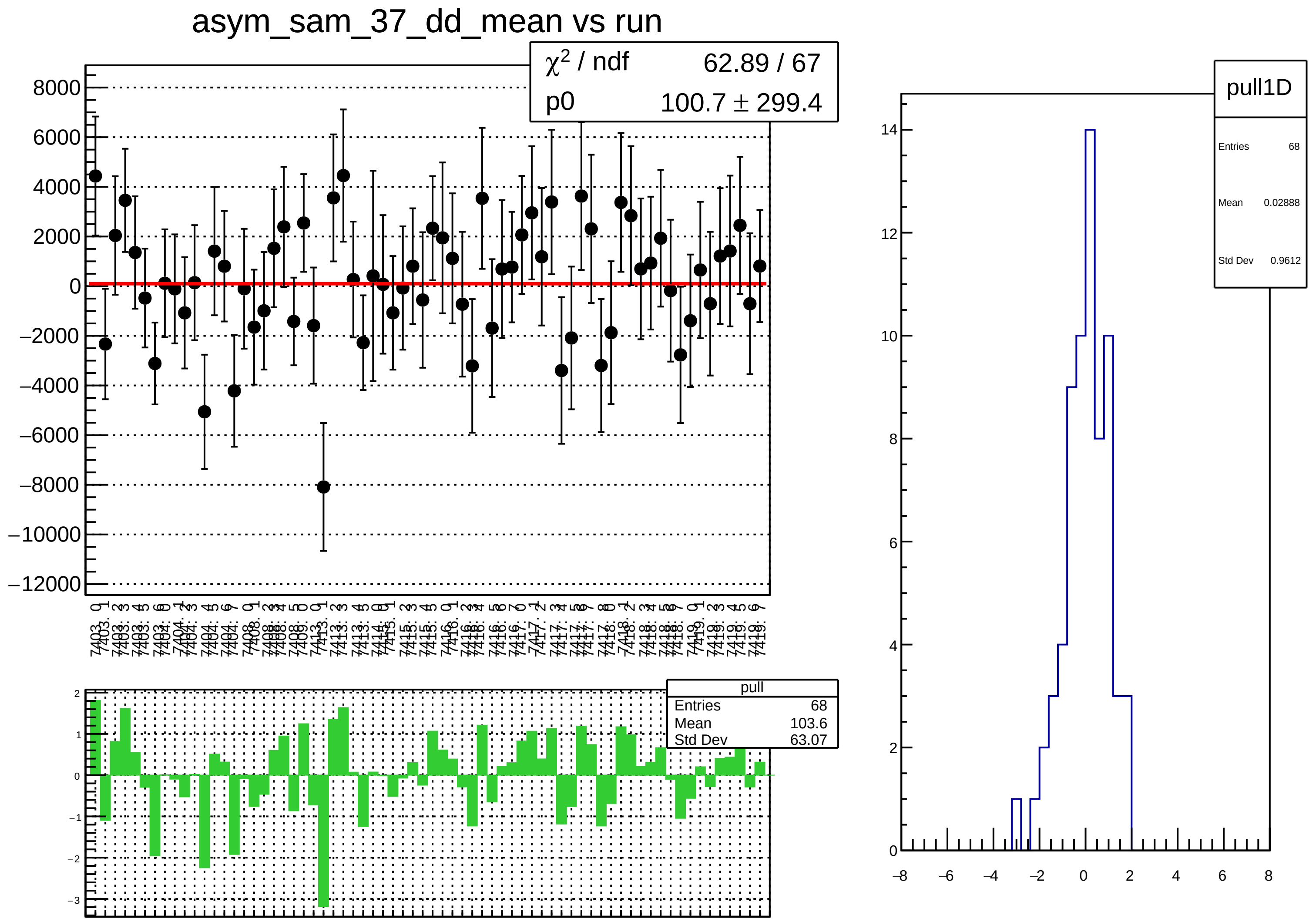

reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 5715 / 67
p0 49.84 ± 0.0436
56
54
52
50
48
46
44
42



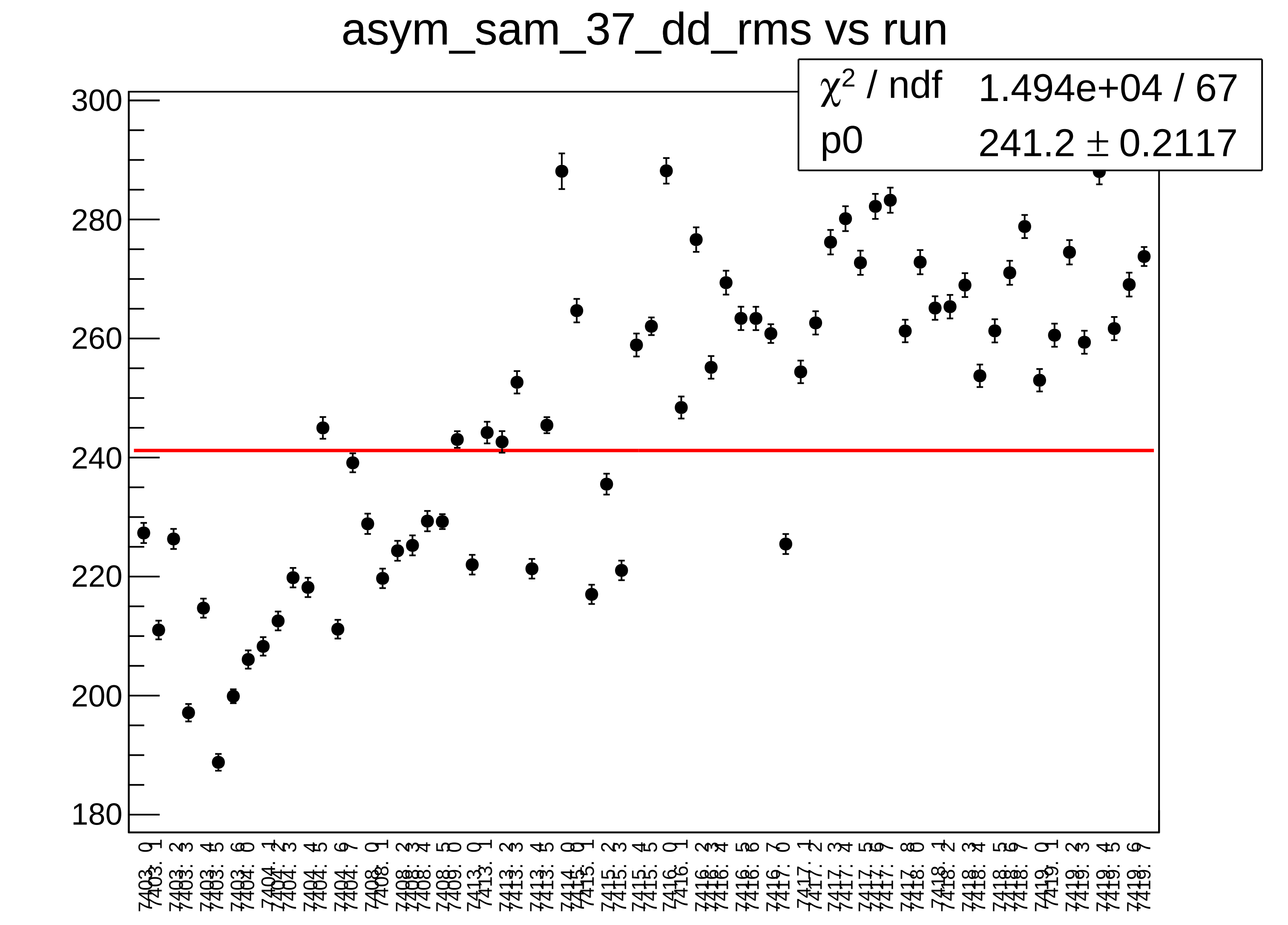
asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 57.98 / 67
p0 −123.2 ± 292.9
pull
Entries 68
Mean 71.87
Std Dev 21.77
pull1D
Entries 68
Mean −0.027
Std Dev 0.923



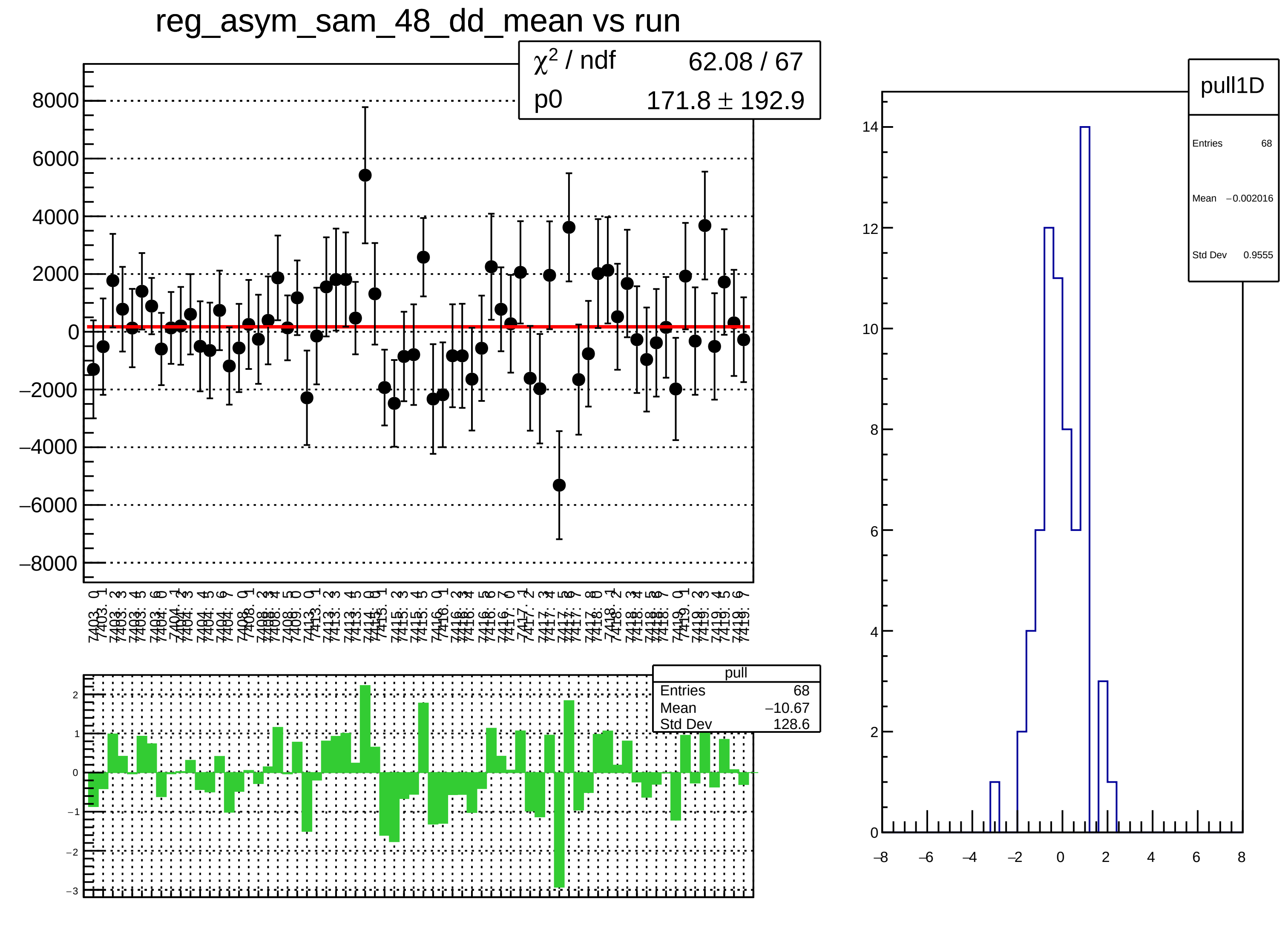
asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.56e+04 / 67
p0 235.9 ± 0.2071
280
260
240
220
200
180

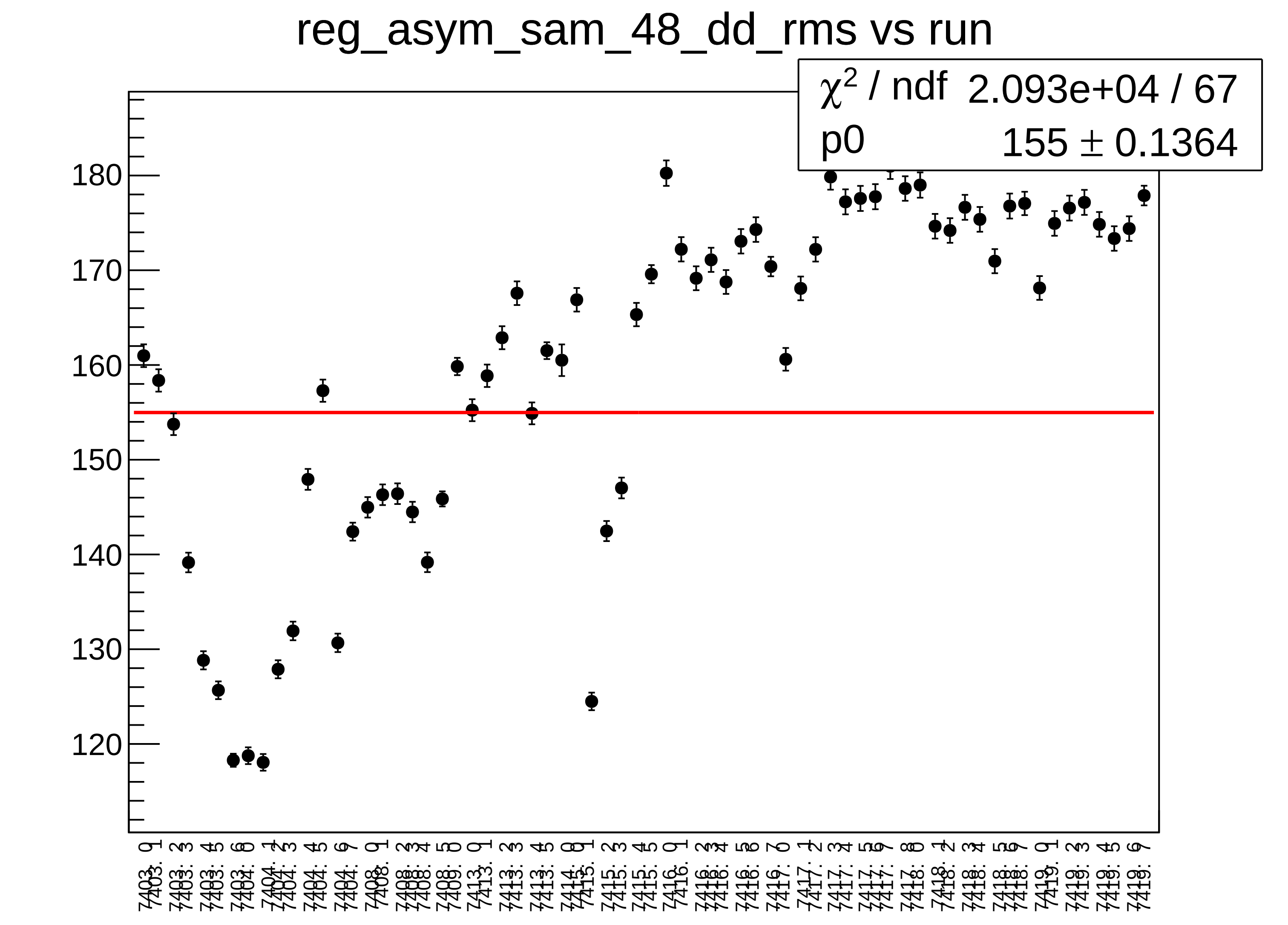


asym_sam_37_dd_mean vs run
χ^2 / ndf 62.89 / 67
p0 100.7 ± 299.4
pull
Entries 68
Mean 103.6
Std Dev 63.07
pull1D
Entries 68
Mean 0.02888
Std Dev 0.9612

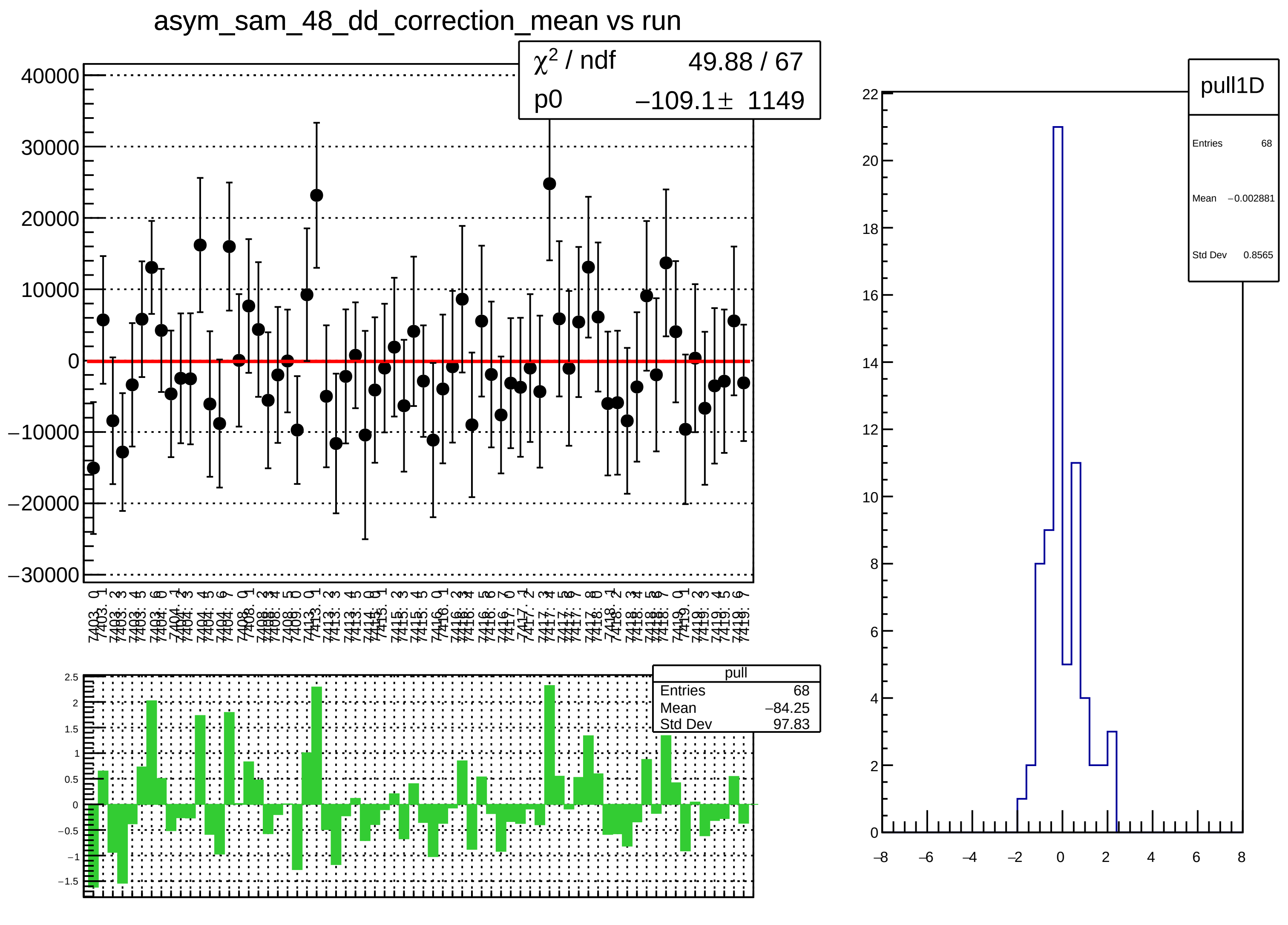


asym_sam_37_dd_rms vs run
χ^2 / ndf 1.494e+04 / 67
p0 241.2 ± 0.2117
300
280
260
240
220
200
180

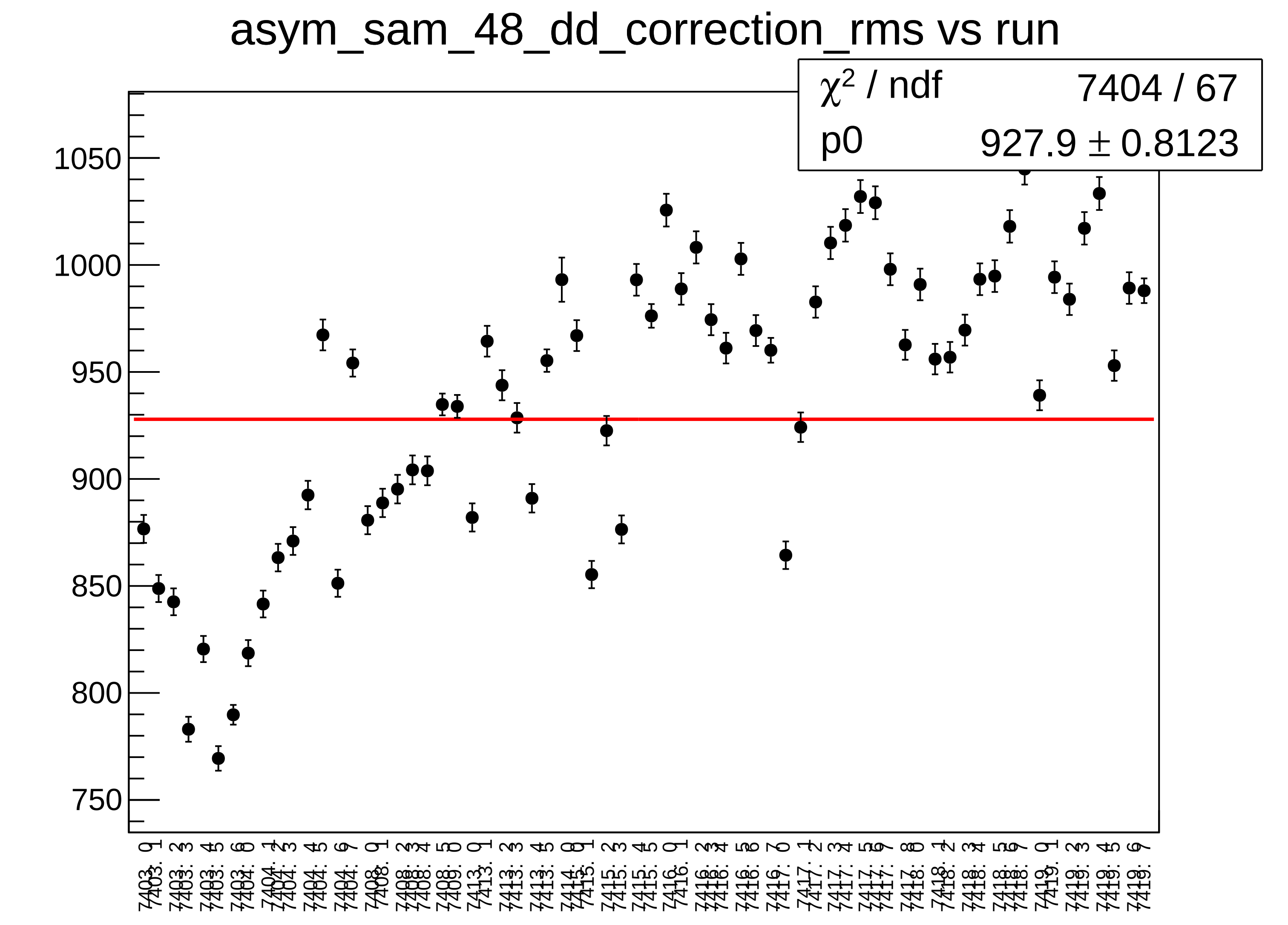

reg_asym_sam_48_dd_mean vs run
χ2 / ndf 62.08 / 67
p0 171.8 ± 192.9
pull
Entries 68
Mean −10.67
Std Dev 128.6
pull1D
Entries 68
Mean −0.002016
Std Dev 0.9555

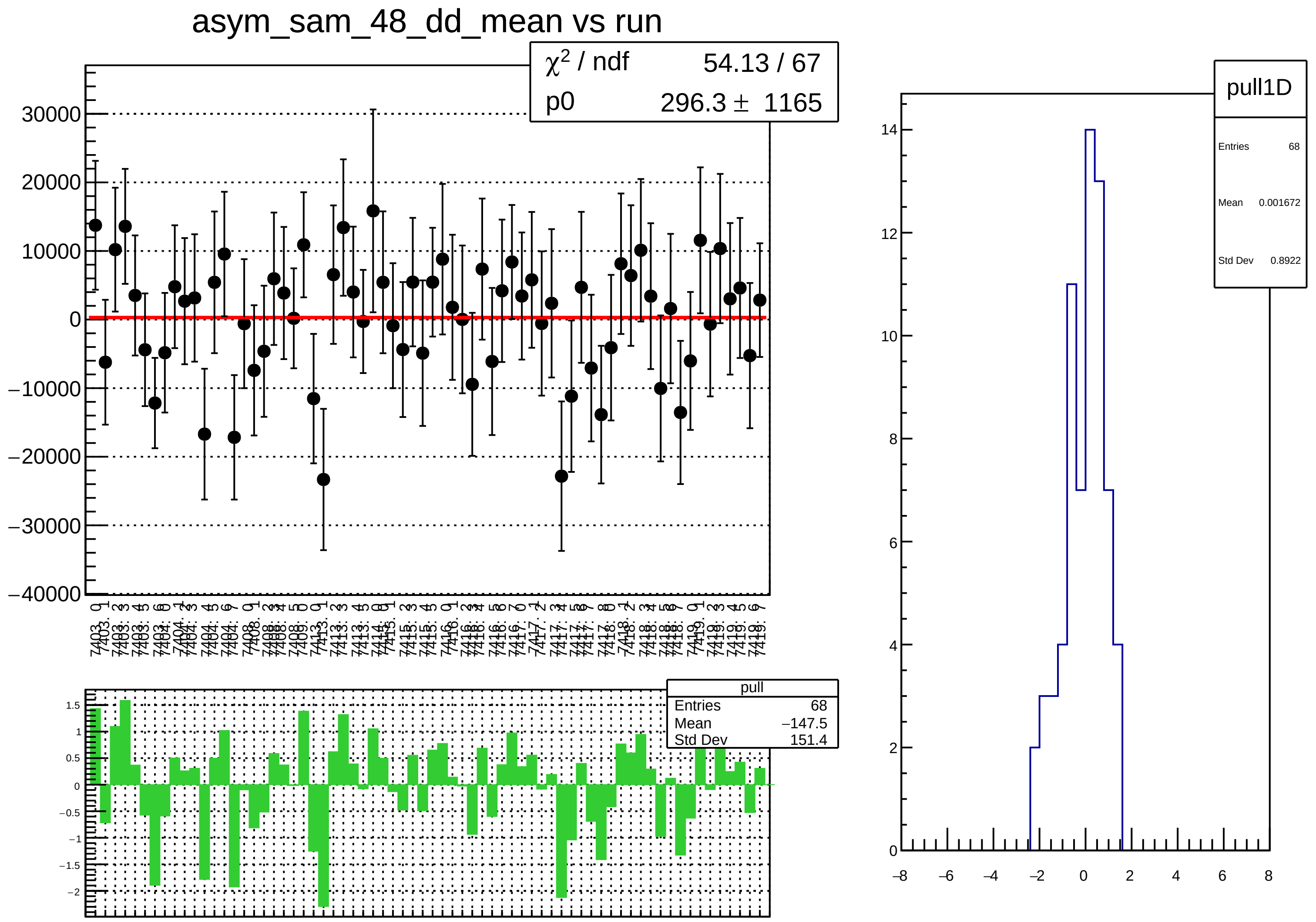


reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 2.093e+04 / 67
p0 155 ± 0.1364
180
170
160
150
140
130
120

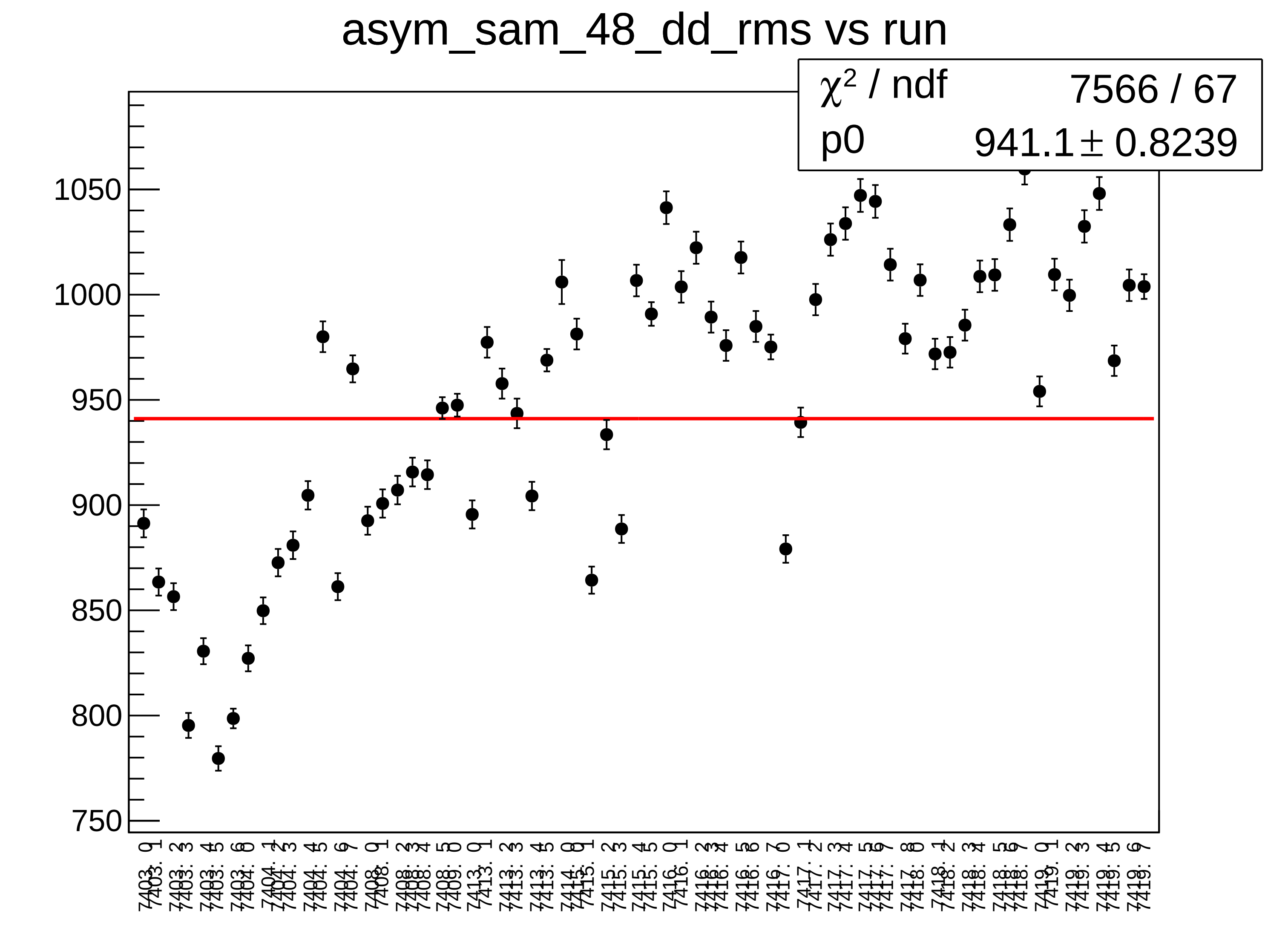


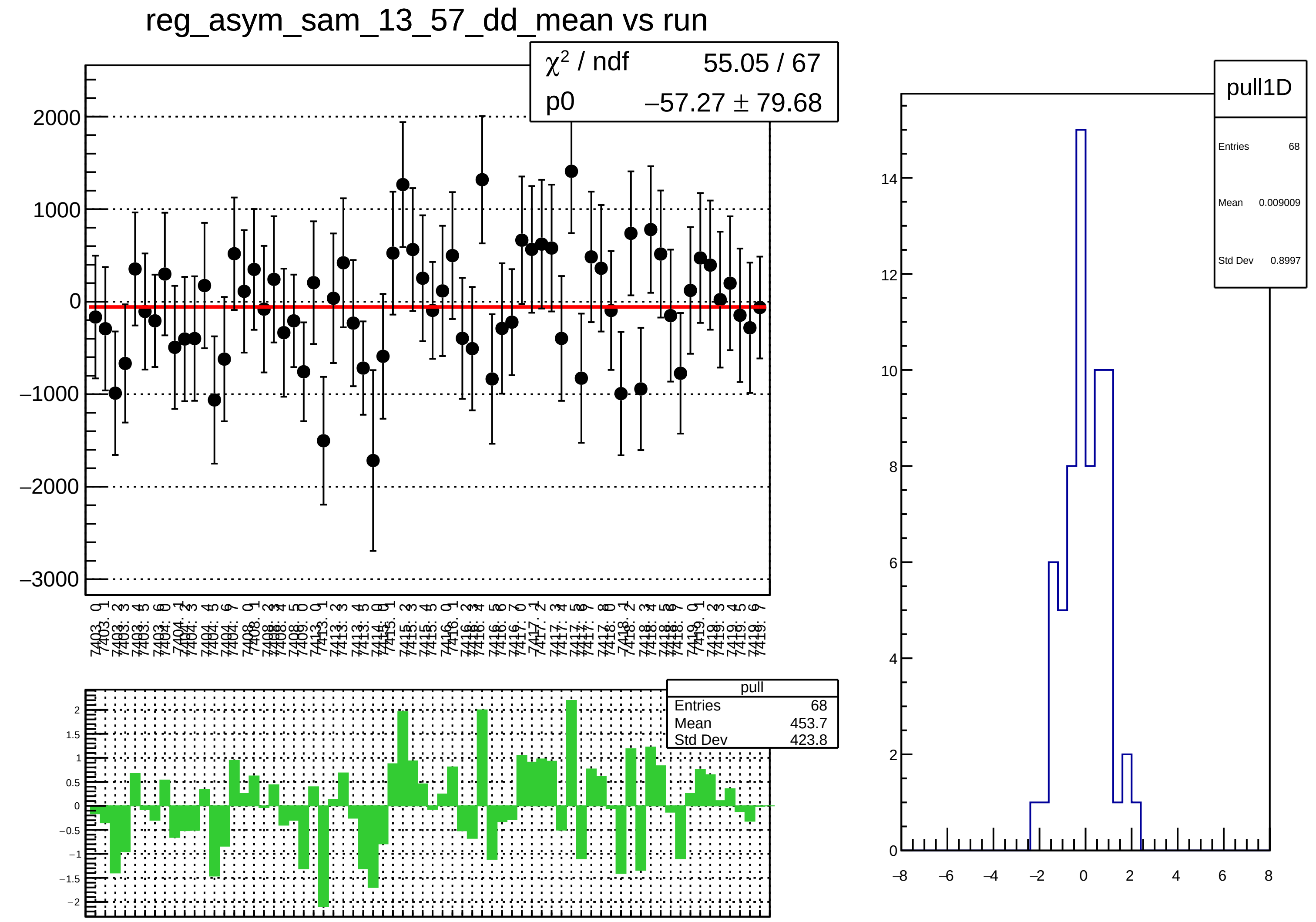
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 49.88 / 67
p0 −109.1 ± 1149
pull
Entries 68
Mean −84.25
Std Dev 97.83
pull1D
Entries 68
Mean −0.002881
Std Dev 0.8565

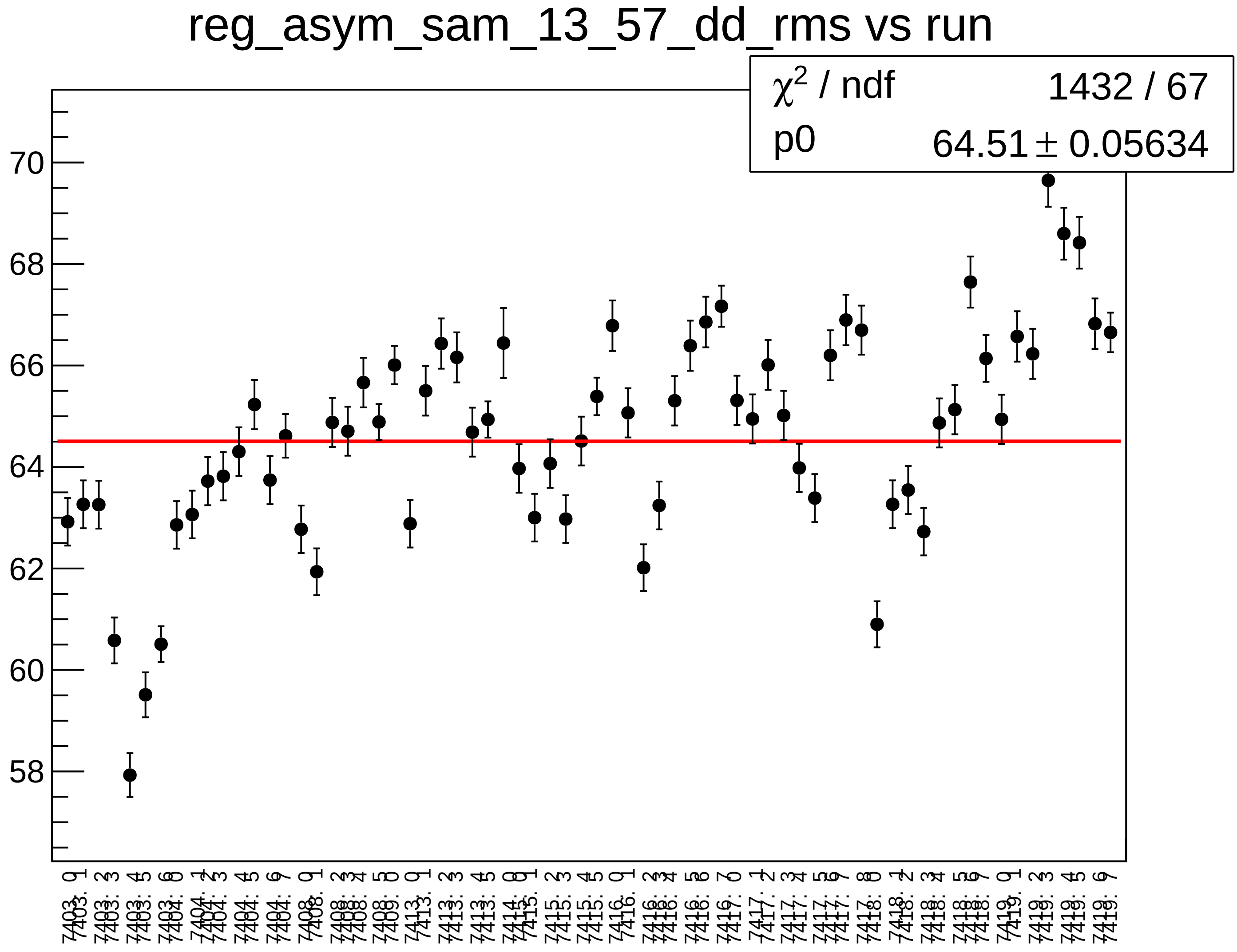

asym_sam_48_dd_correction_rms vs run
χ2 / ndf 7404 / 67
p0 927.9 ± 0.8123

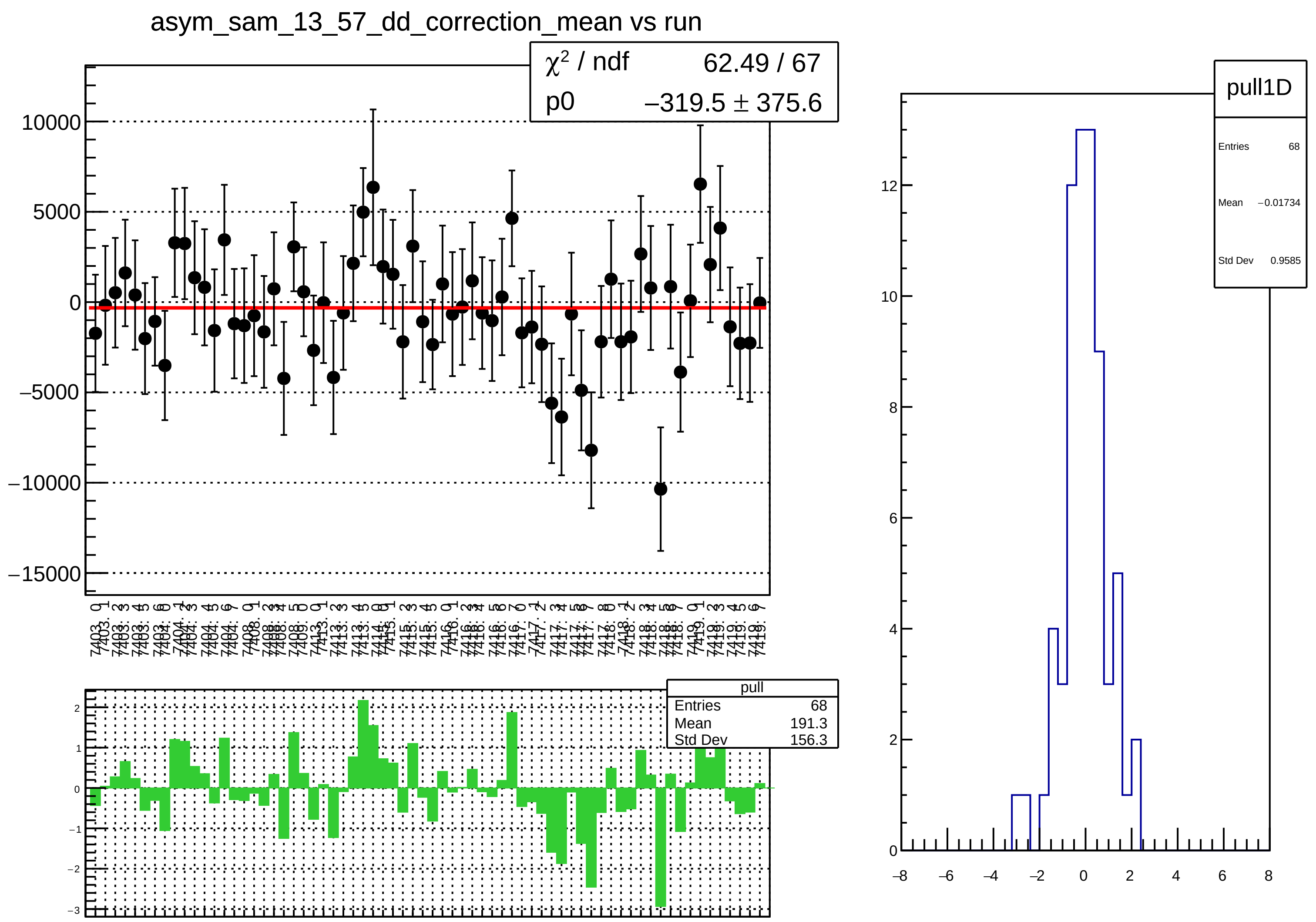


asym_sam_48_dd_mean vs run
χ^2 / ndf 54.13 / 67
p0 296.3 ± 1165
pull
Entries 68
Mean −147.5
Std Dev 151.4
pull1D
Entries 68
Mean 0.001672
Std Dev 0.8922

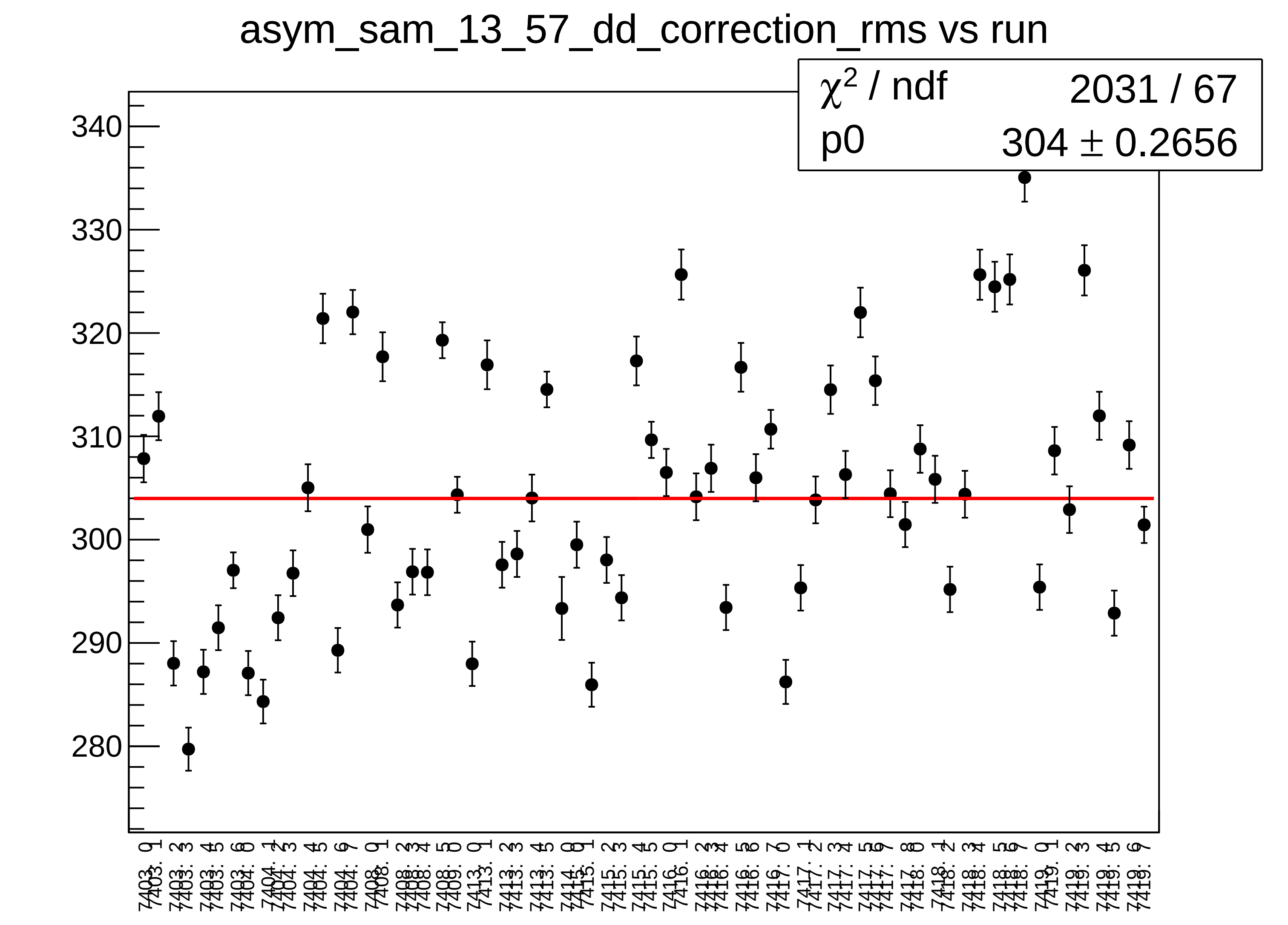

asym_sam_48_dd_rms vs run
χ2 / ndf 7566 / 67
p0 941.1 ± 0.8239
1050
1000
950
900
850
800
750

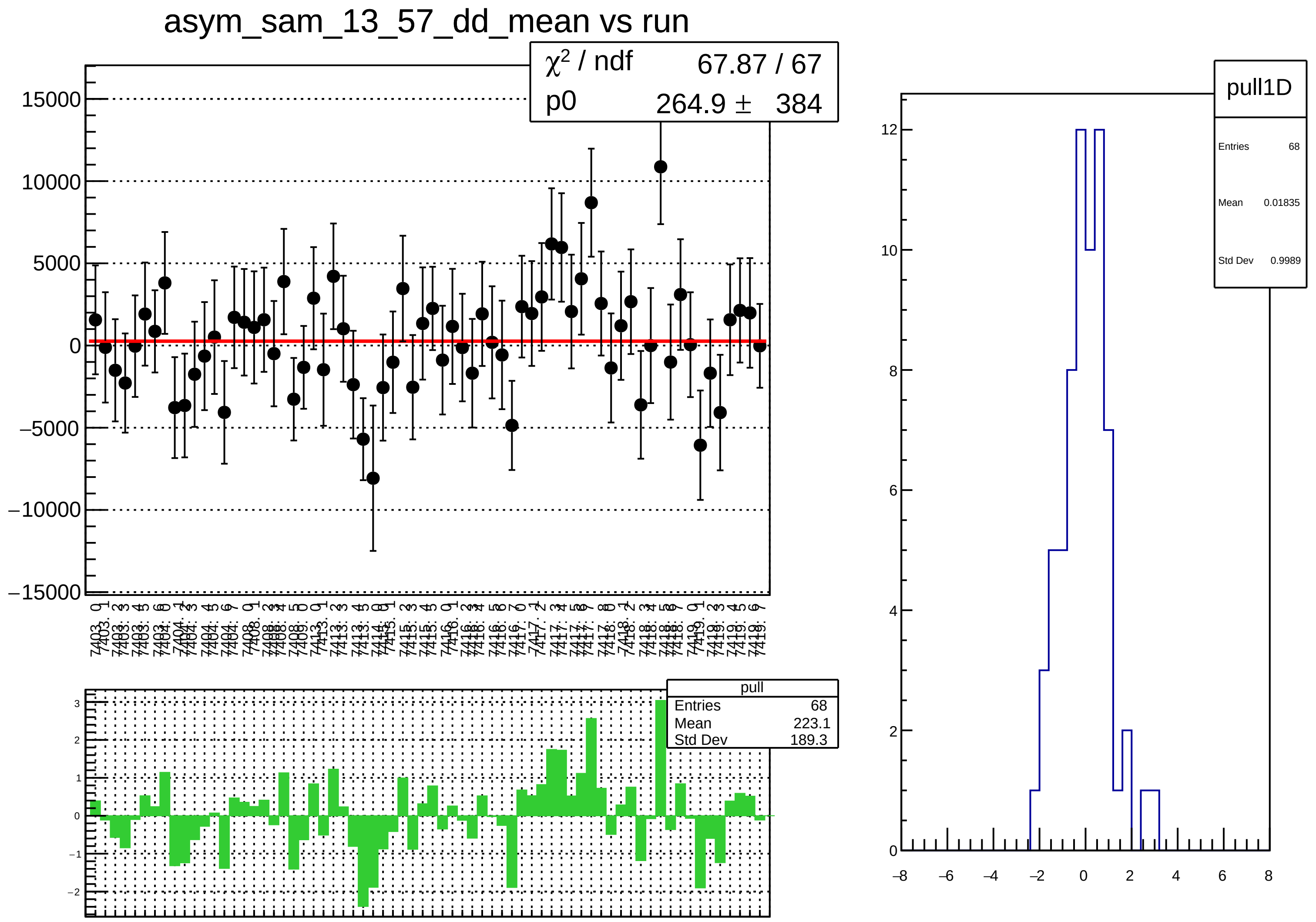

reg_asym_sam_13_57_dd_mean vs run
χ2 / ndf 55.05 / 67
p0 −57.27 ± 79.68
pull
Entries 68
Mean 453.7
Std Dev 423.8
pull1D
Entries 68
Mean 0.009009
Std Dev 0.8997


reg_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1432 / 67
p0 64.51 ± 0.05634
70
68
66
64
62
60
58

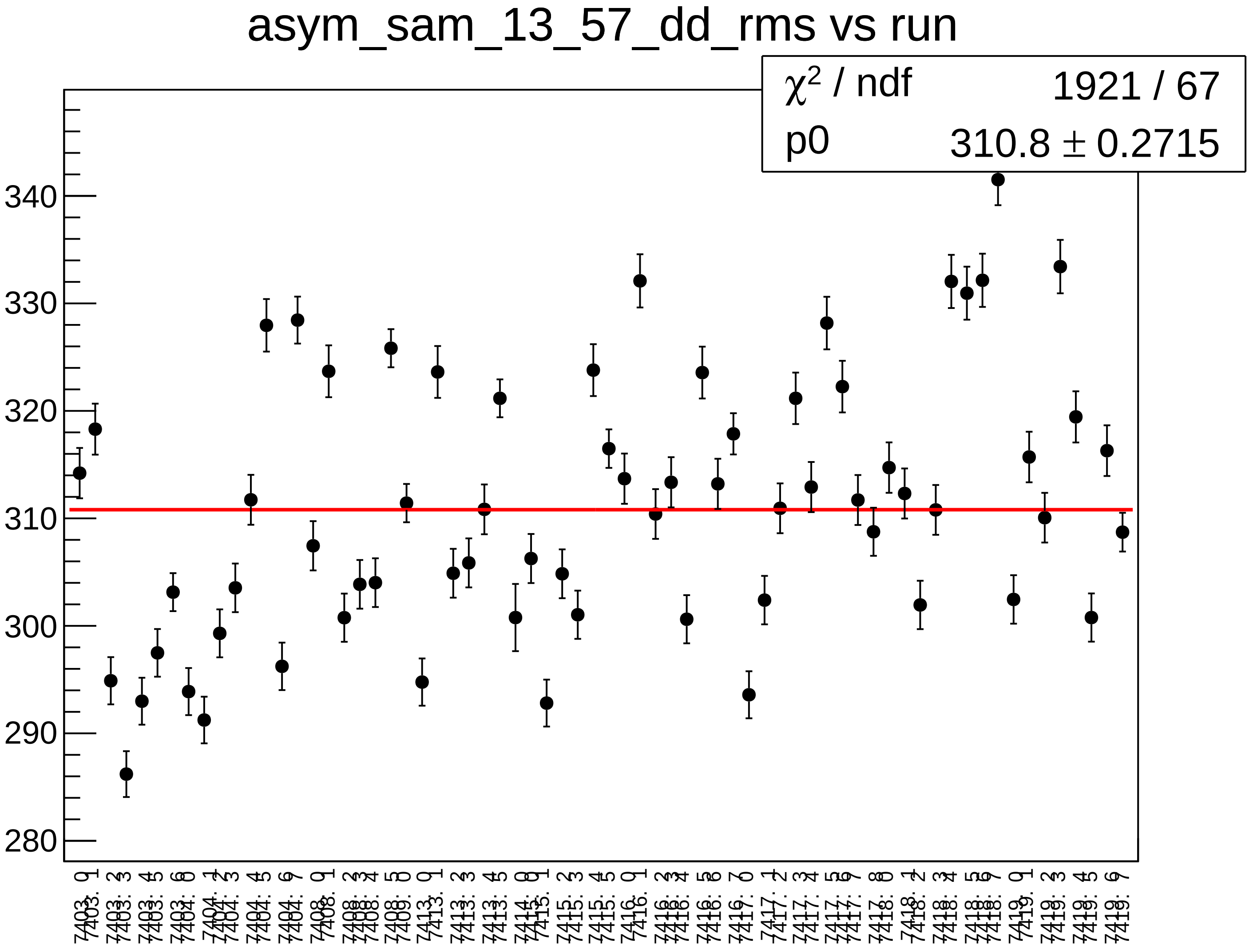


asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 62.49 / 67
p0 −319.5 ± 375.6
pull
Entries 68
Mean 191.3
Std Dev 156.3
pull1D
Entries 68
Mean −0.01734
Std Dev 0.9585

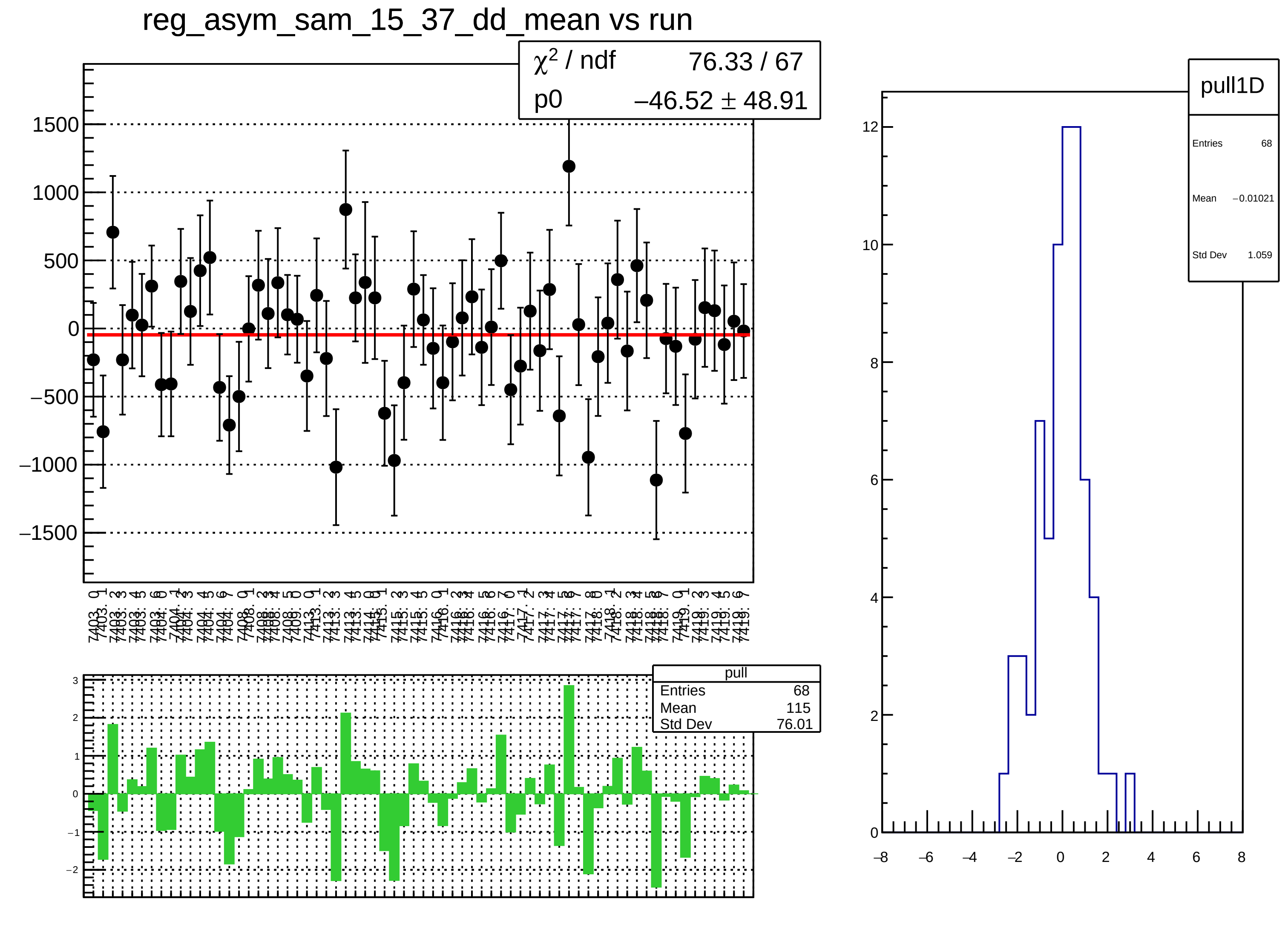

asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 2031 / 67
p0 304 ± 0.2656
340
330
320
310
300
290
280



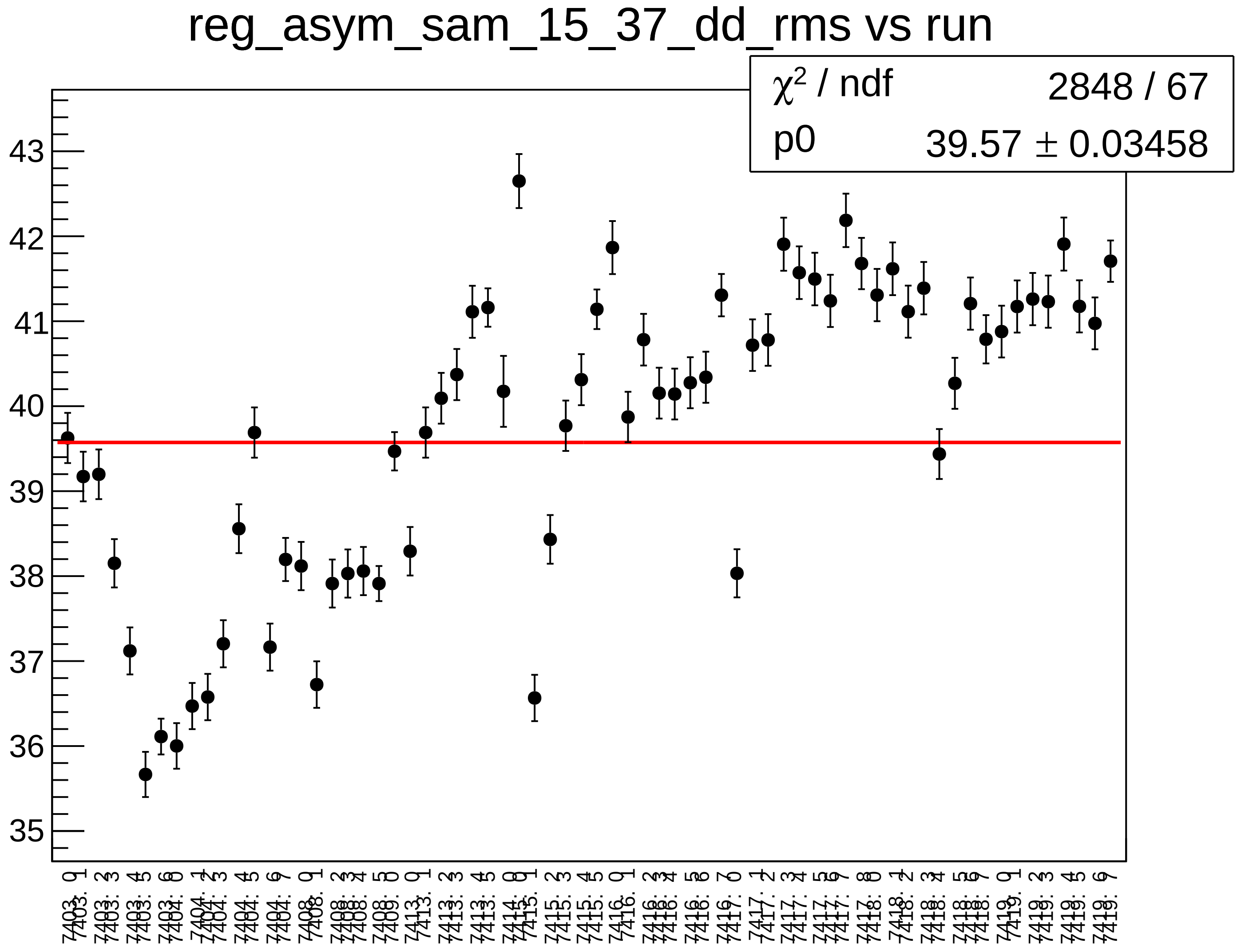
asym_sam_13_57_dd_mean vs run
χ2 / ndf 67.87 / 67
p0 264.9 ± 384
pull
Entries 68
Mean 223.1
Std Dev 189.3
pull1D
Entries 68
Mean 0.01835
Std Dev 0.9989

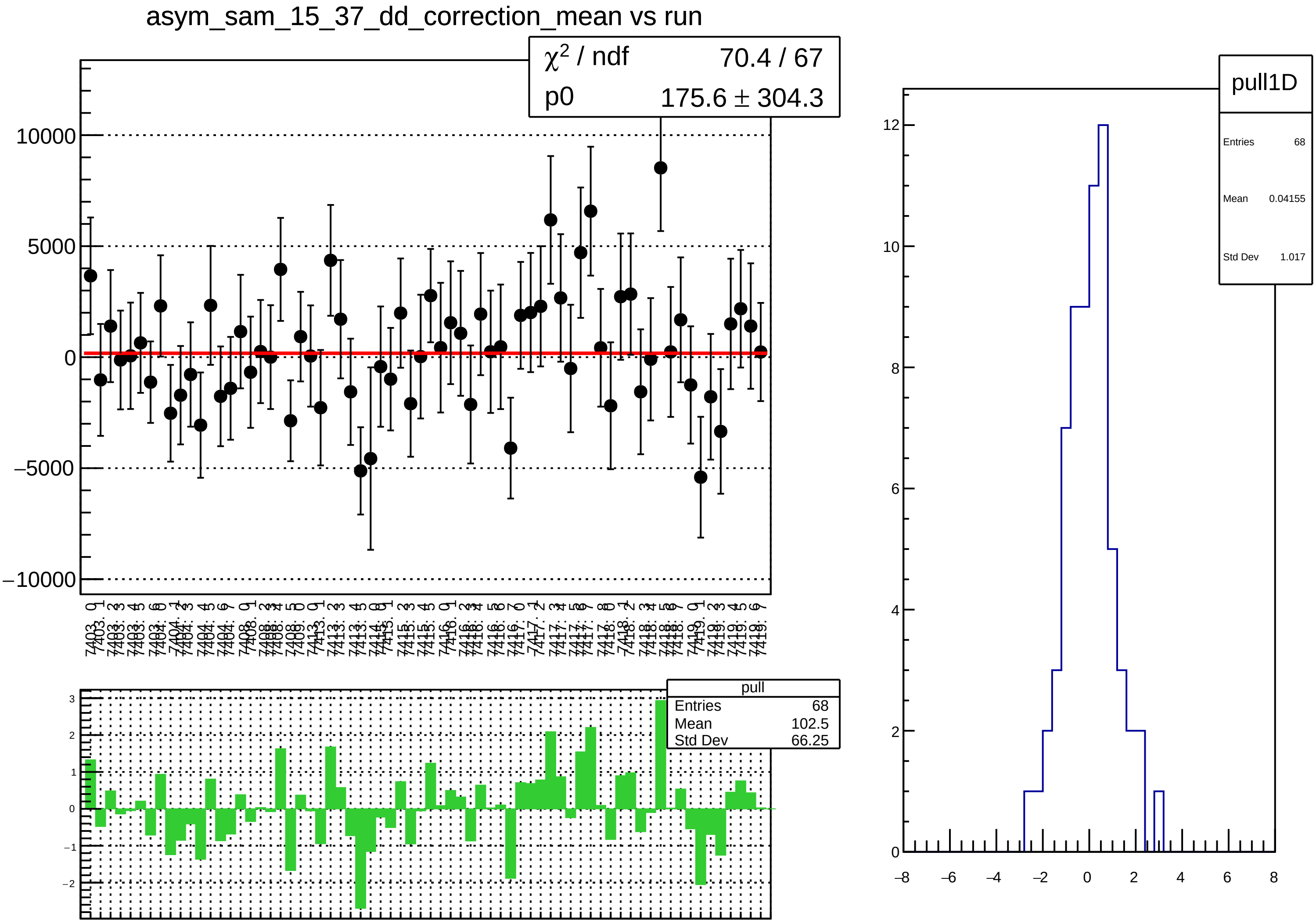


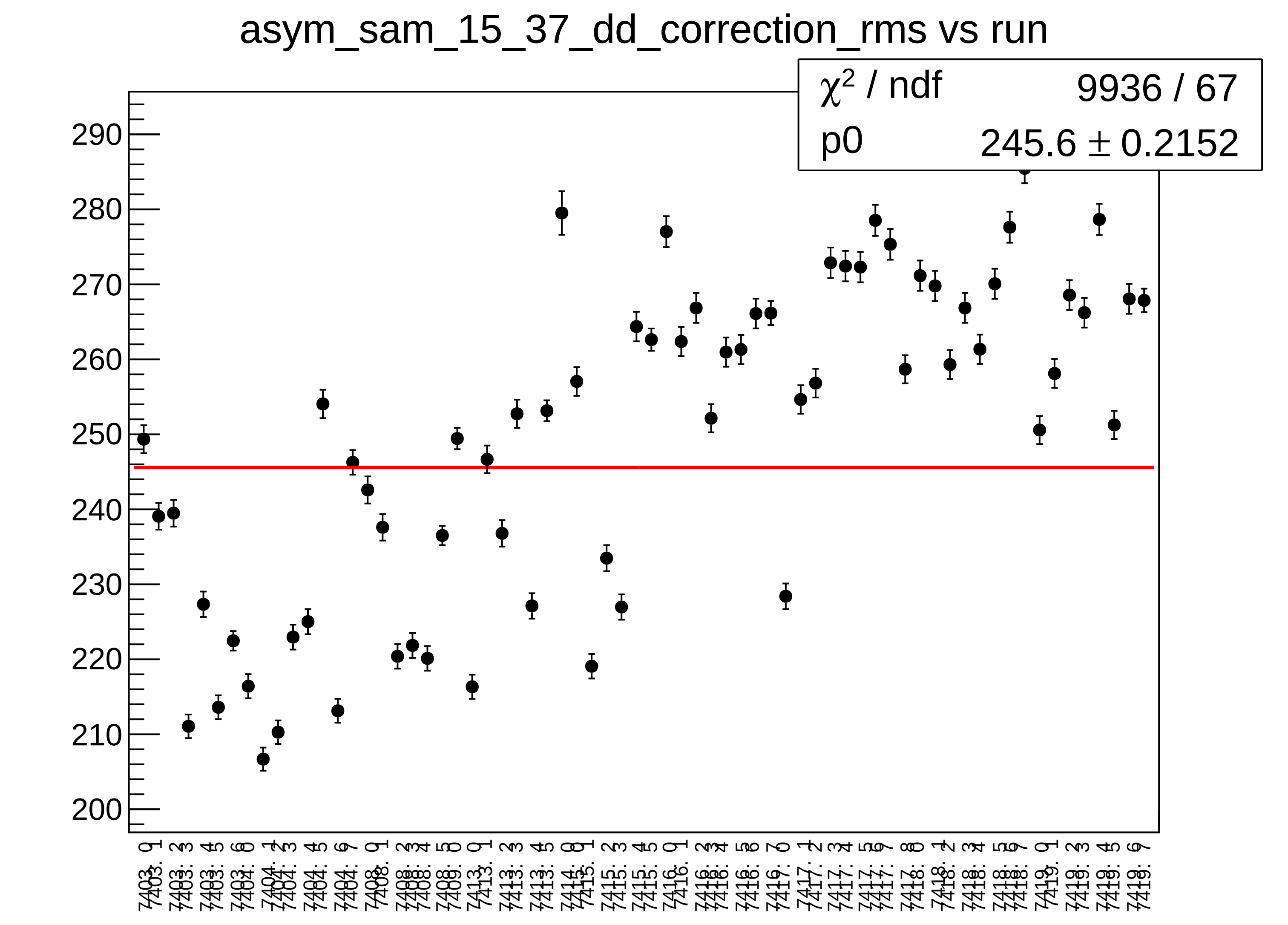
asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1921 / 67
p0 310.8 ± 0.2715
340
330
320
310
300
290
280

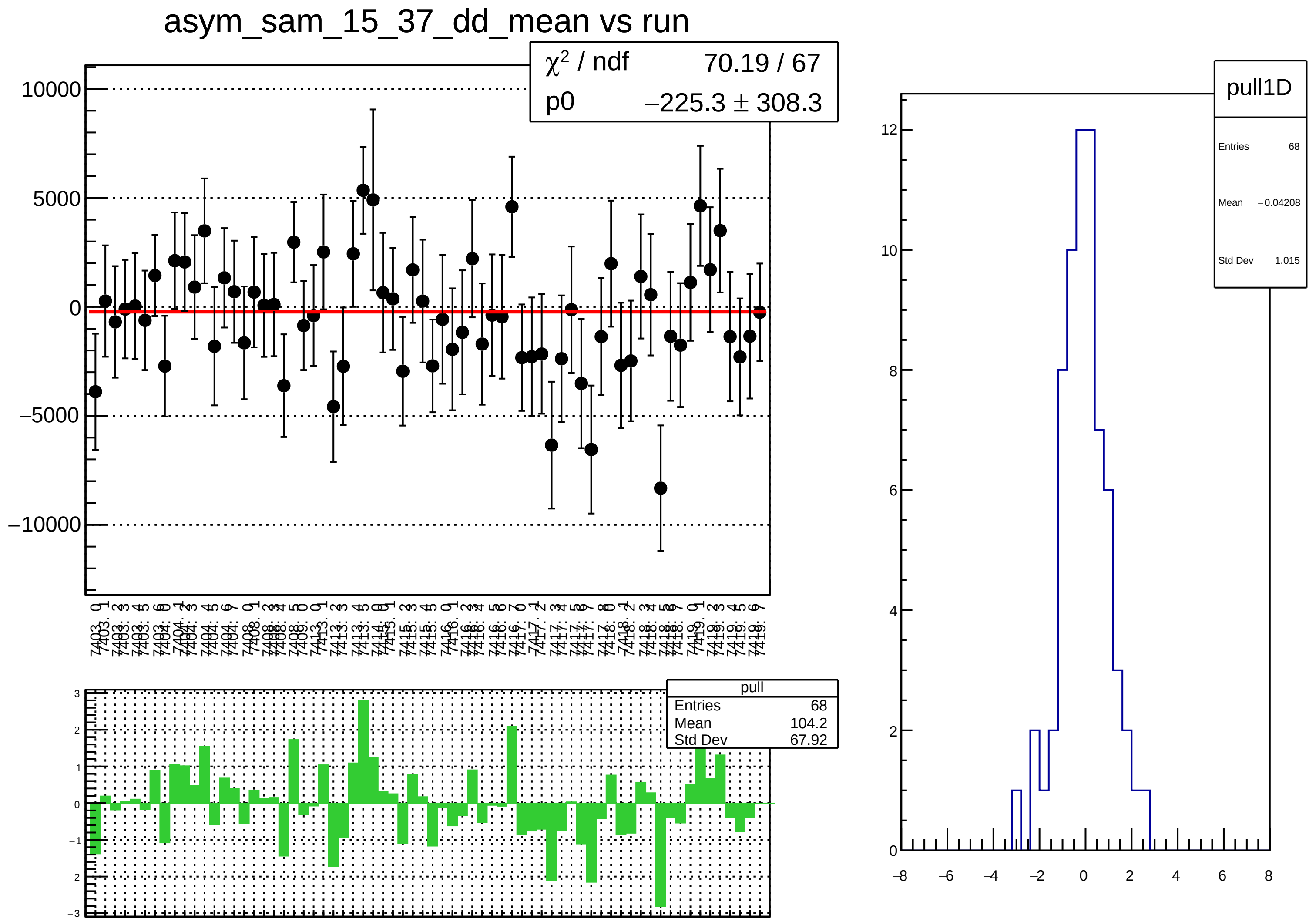


reg_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 76.33 / 67
p0 −46.52 ± 48.91
pull
Entries 68
Mean 115
Std Dev 76.01
pull1D
Entries 68
Mean −0.01021
Std Dev 1.059

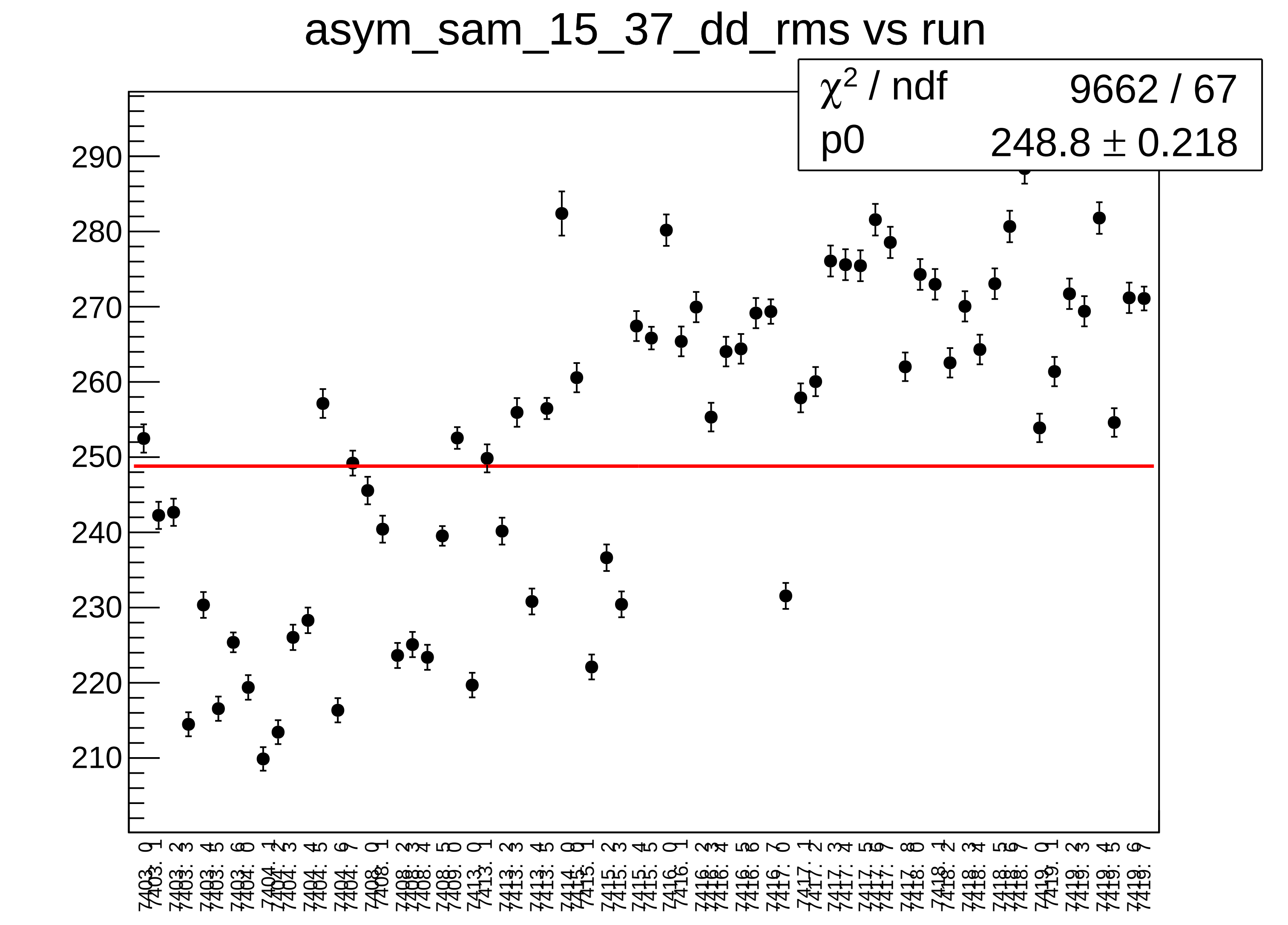

reg_asym_sam_15_37_dd_rms vs run
χ2 / ndf 2848 / 67
p0 39.57 ± 0.03458
35
36
37
38
39
40
41
42
43


asym_sam_15_37_dd_correction_mean vs run
χ2 / ndf 70.4 / 67
p0 175.6 ± 304.3
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 102.5
Std Dev 66.25
3
2
1
0
−1
−2
pull1D
Entries 68
Mean 0.04155
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

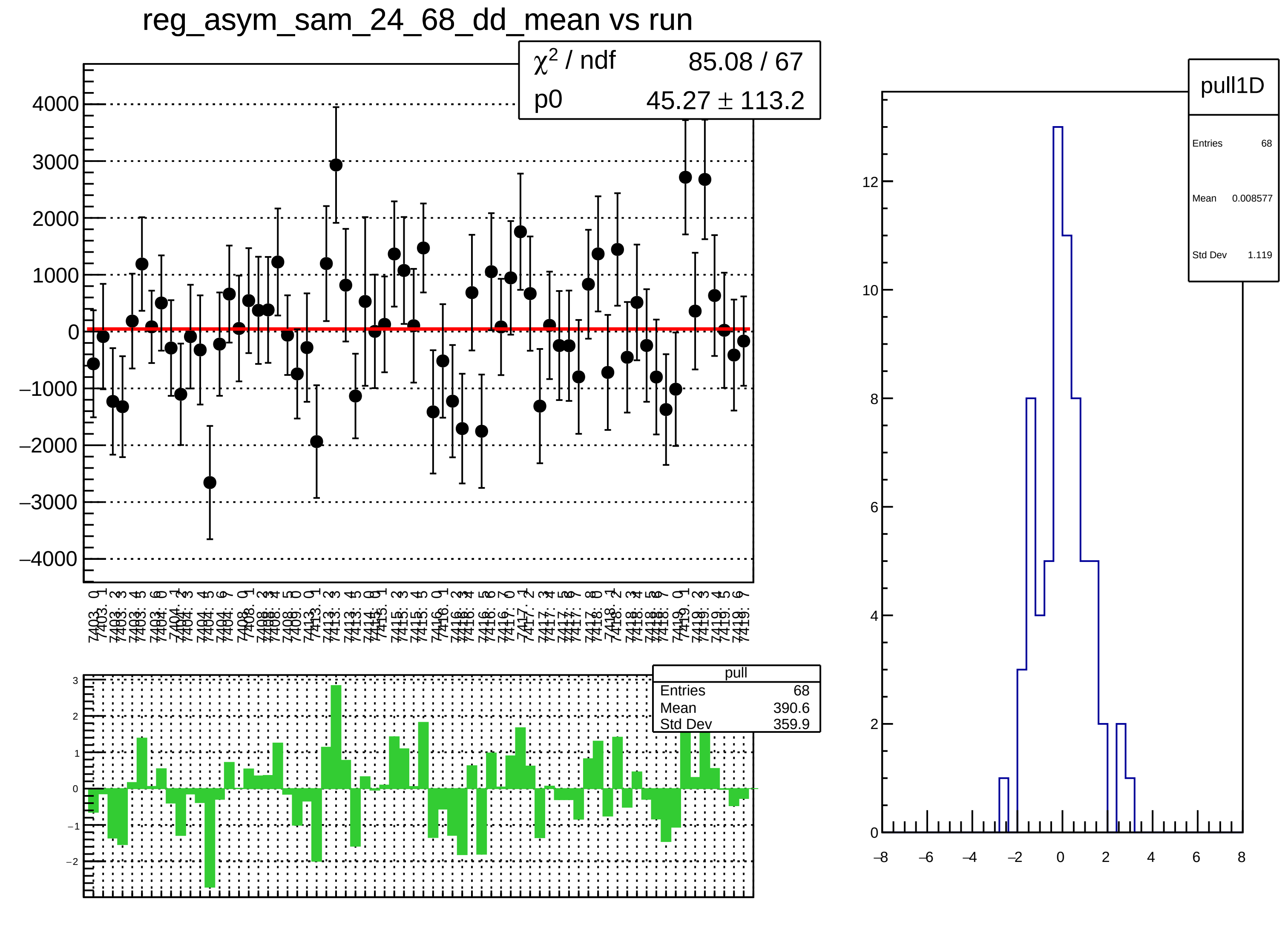

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 9936 / 67
p0 245.6 ± 0.2152
290
280
270
260
250
240
230
220
210
200



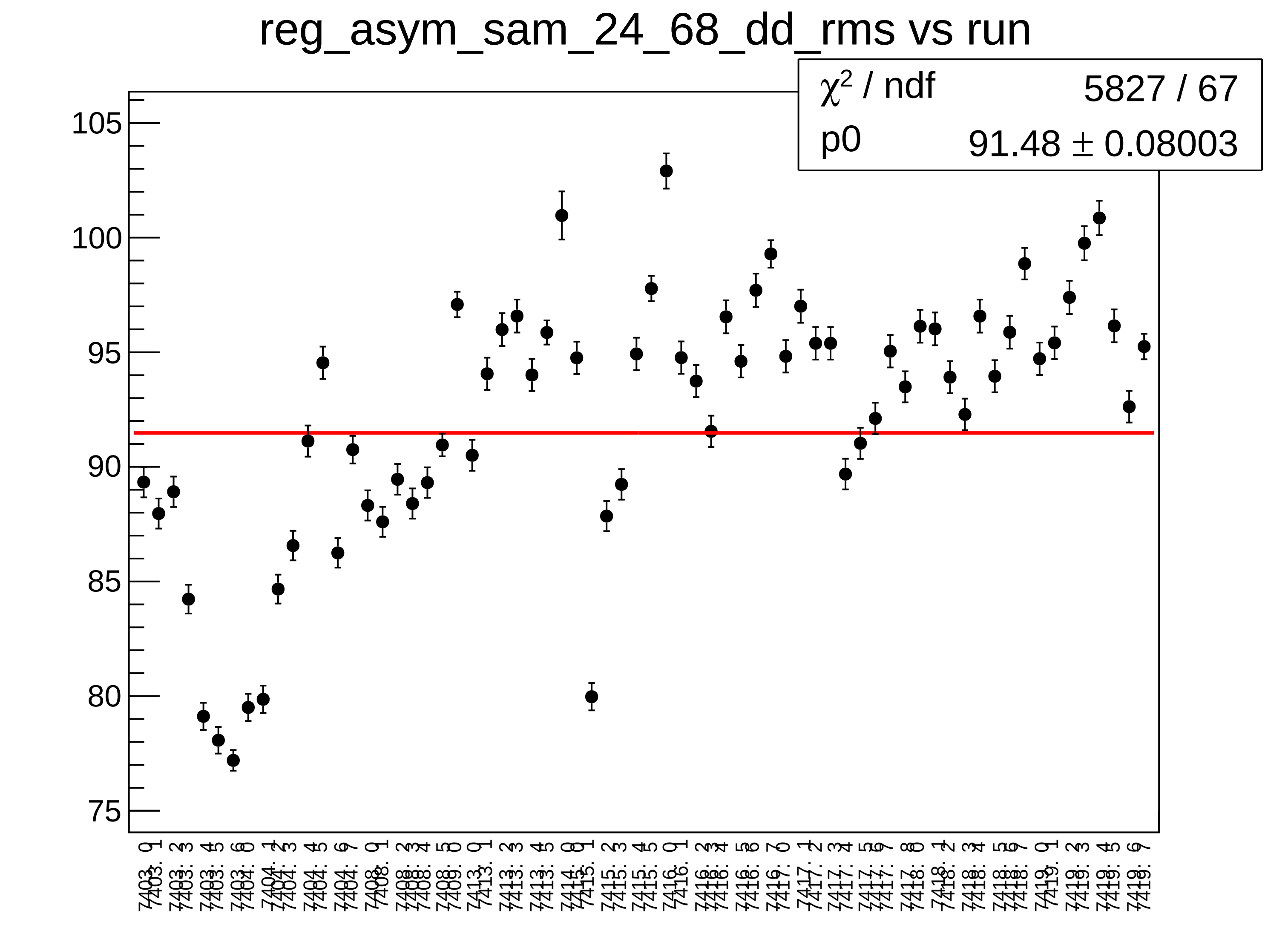
asym_sam_15_37_dd_mean vs run
χ^2 / ndf 70.19 / 67
p0 −225.3 ± 308.3
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 104.2
Std Dev 67.92
pull1D
Entries 68
Mean −0.04208
Std Dev 1.015



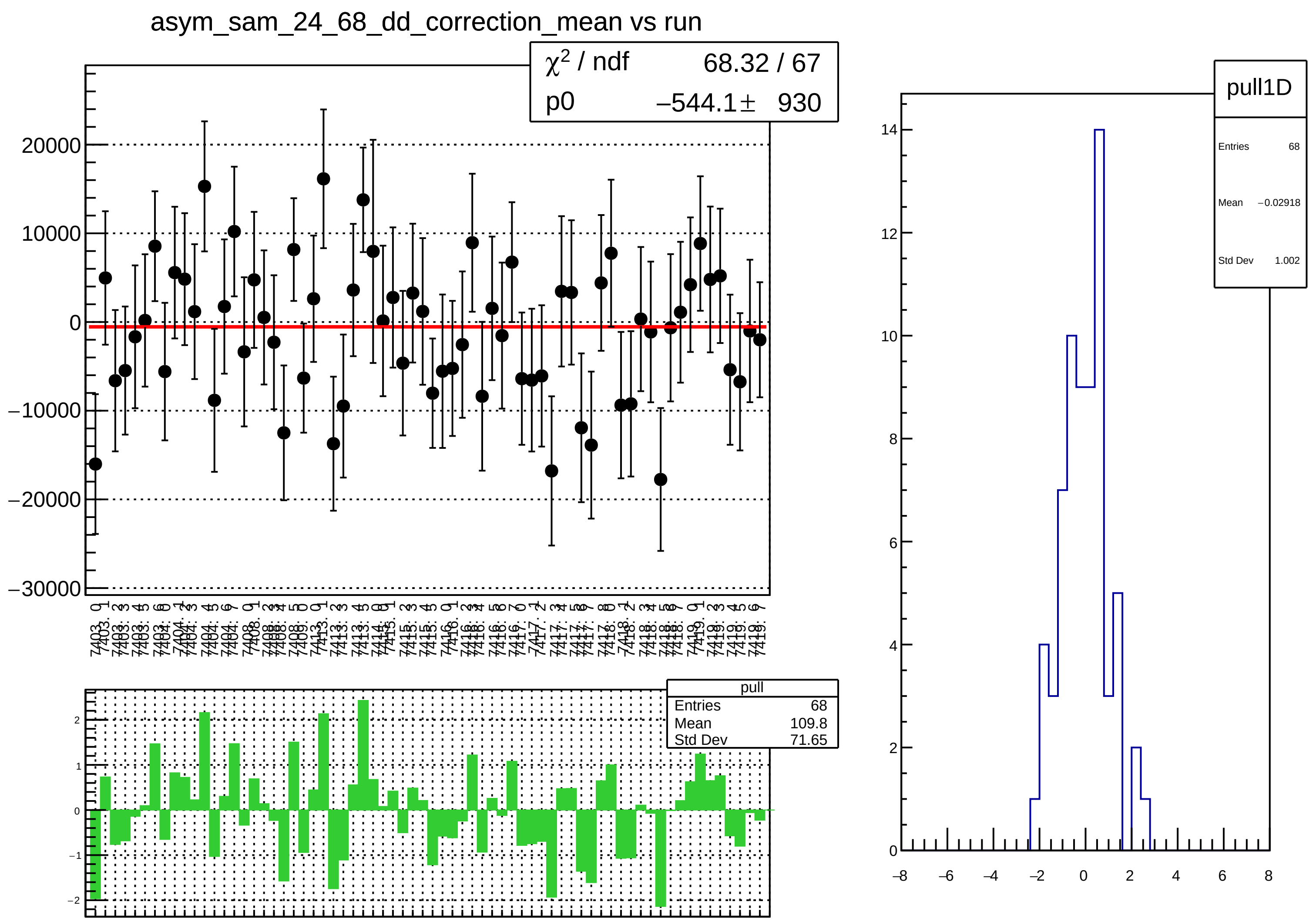
asym_sam_15_37_dd_rms vs run
χ^2 / ndf 9662 / 67
p0 248.8 ± 0.218
290
280
270
260
250
240
230
220
210



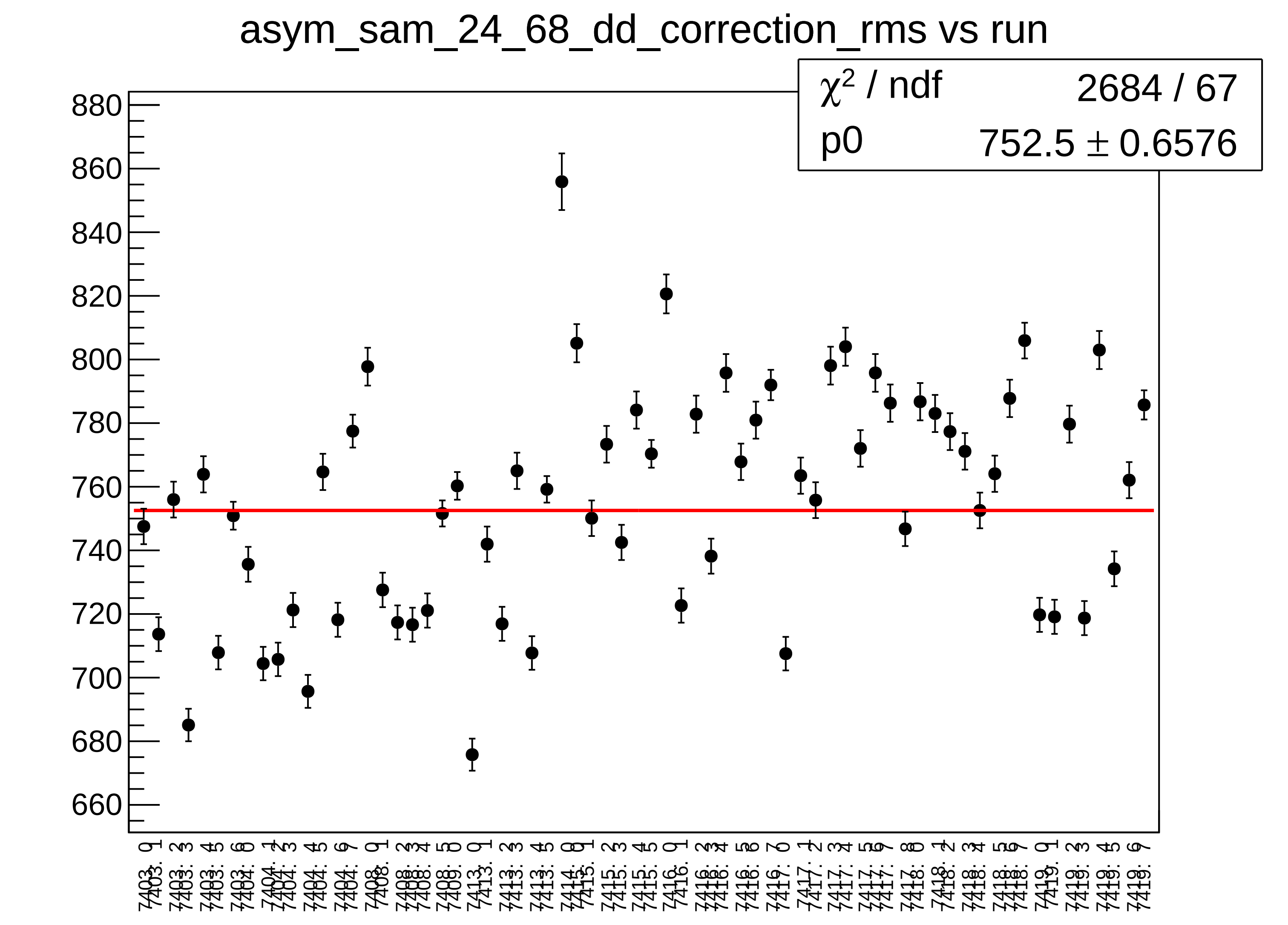
reg_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 85.08 / 67
p0 45.27 ± 113.2
pull
Entries 68
Mean 390.6
Std Dev 359.9
pull1D
Entries 68
Mean 0.008577
Std Dev 1.119

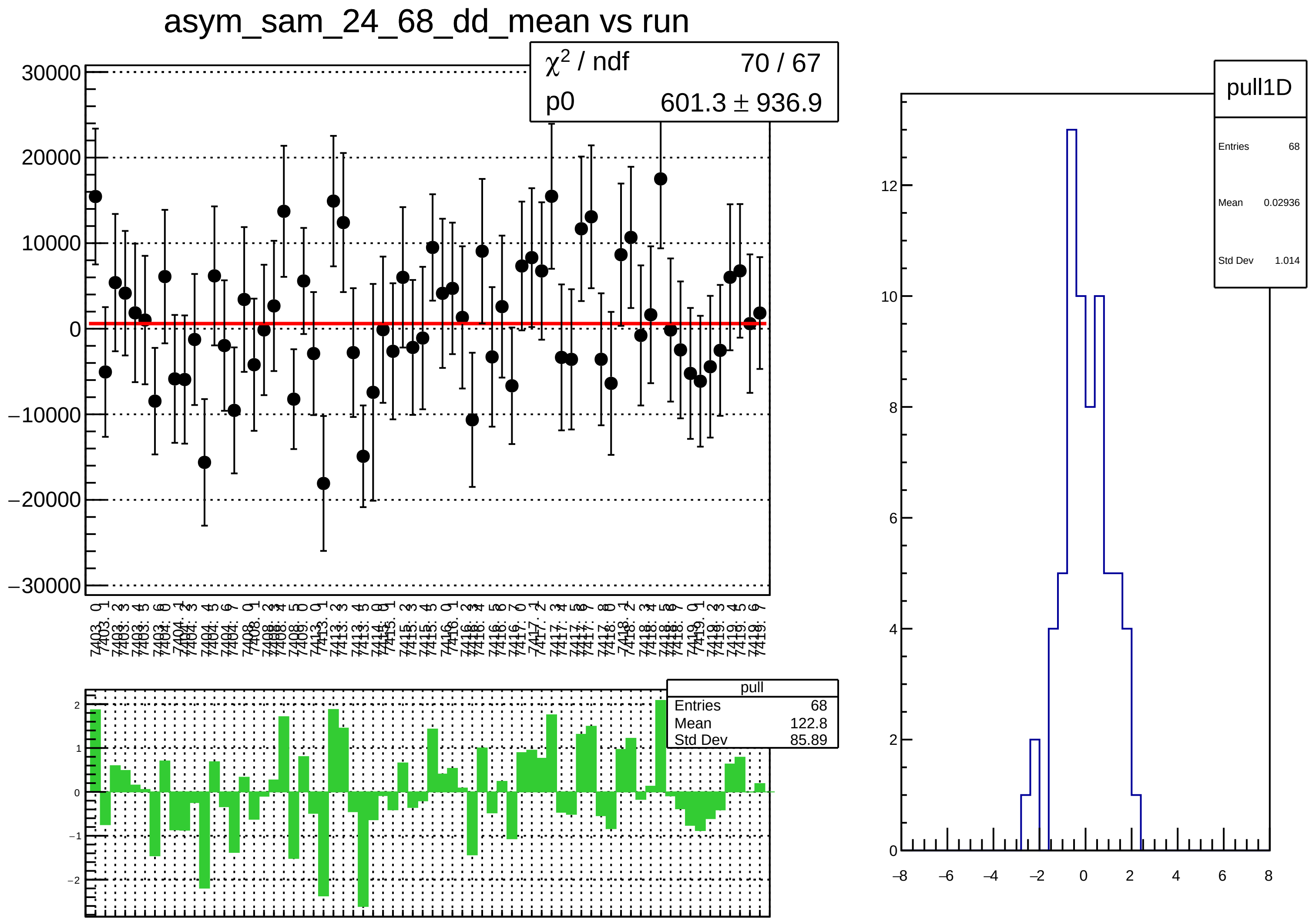


reg_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 5827 / 67
p0 91.48 ± 0.08003

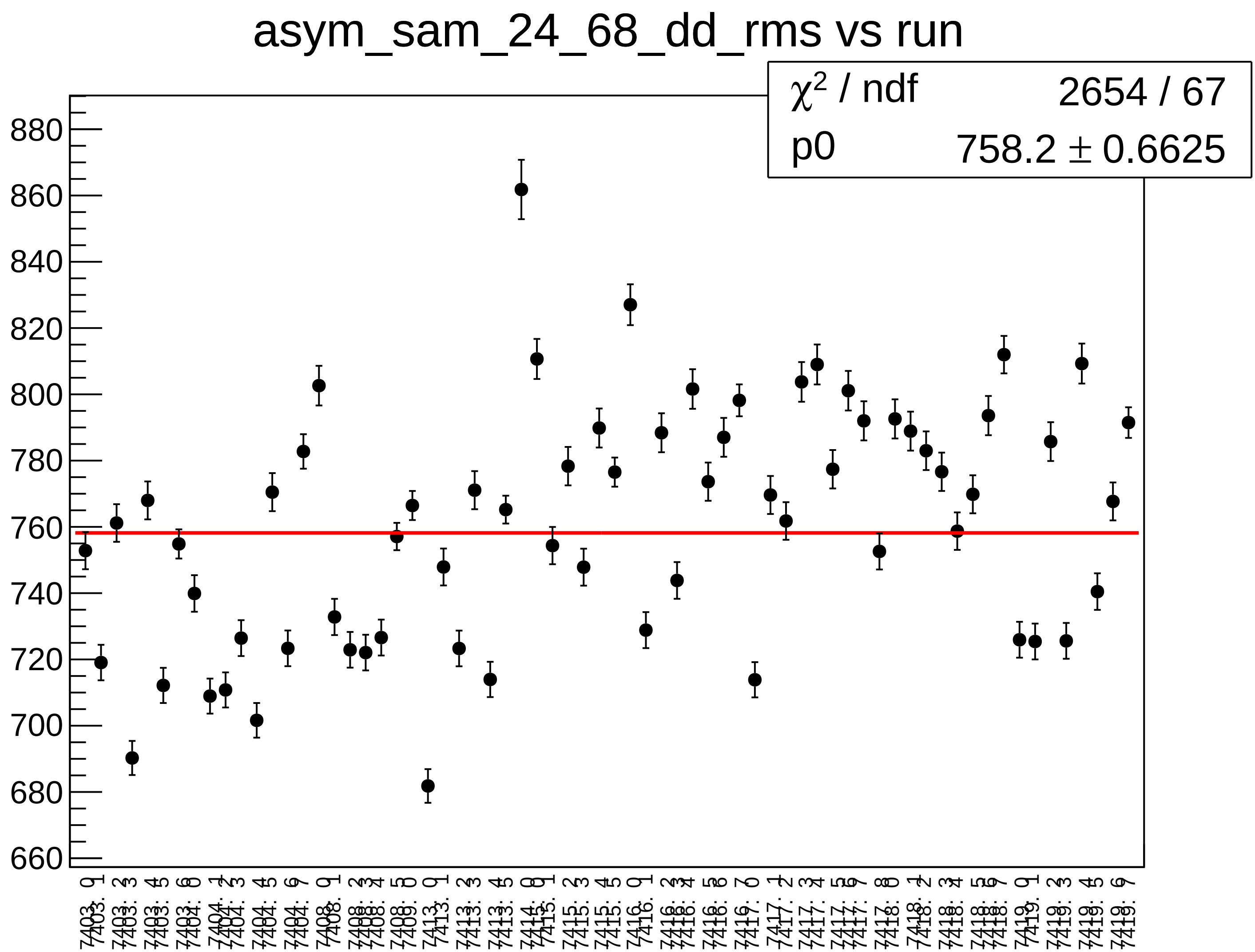


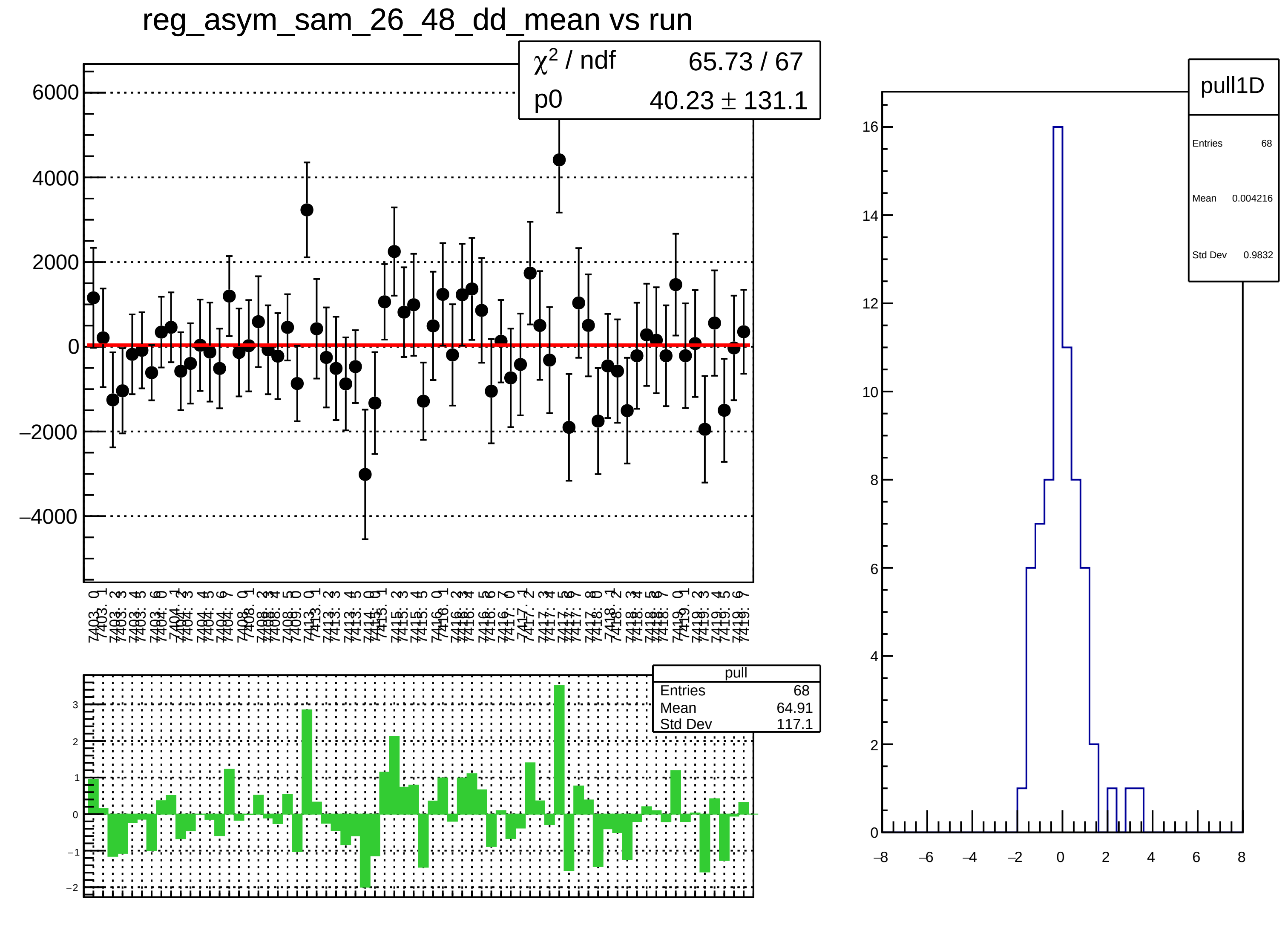
asym_sam_24_68_dd_correction_mean vs run
χ2 / ndf 68.32 / 67
p0 −544.1 ± 930
pull
Entries 68
Mean 109.8
Std Dev 71.65
pull1D
Entries 68
Mean −0.02918
Std Dev 1.002


asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 2684 / 67
p0 752.5 ± 0.6576
880
860
840
820
800
780
760
740
720
700
680
660

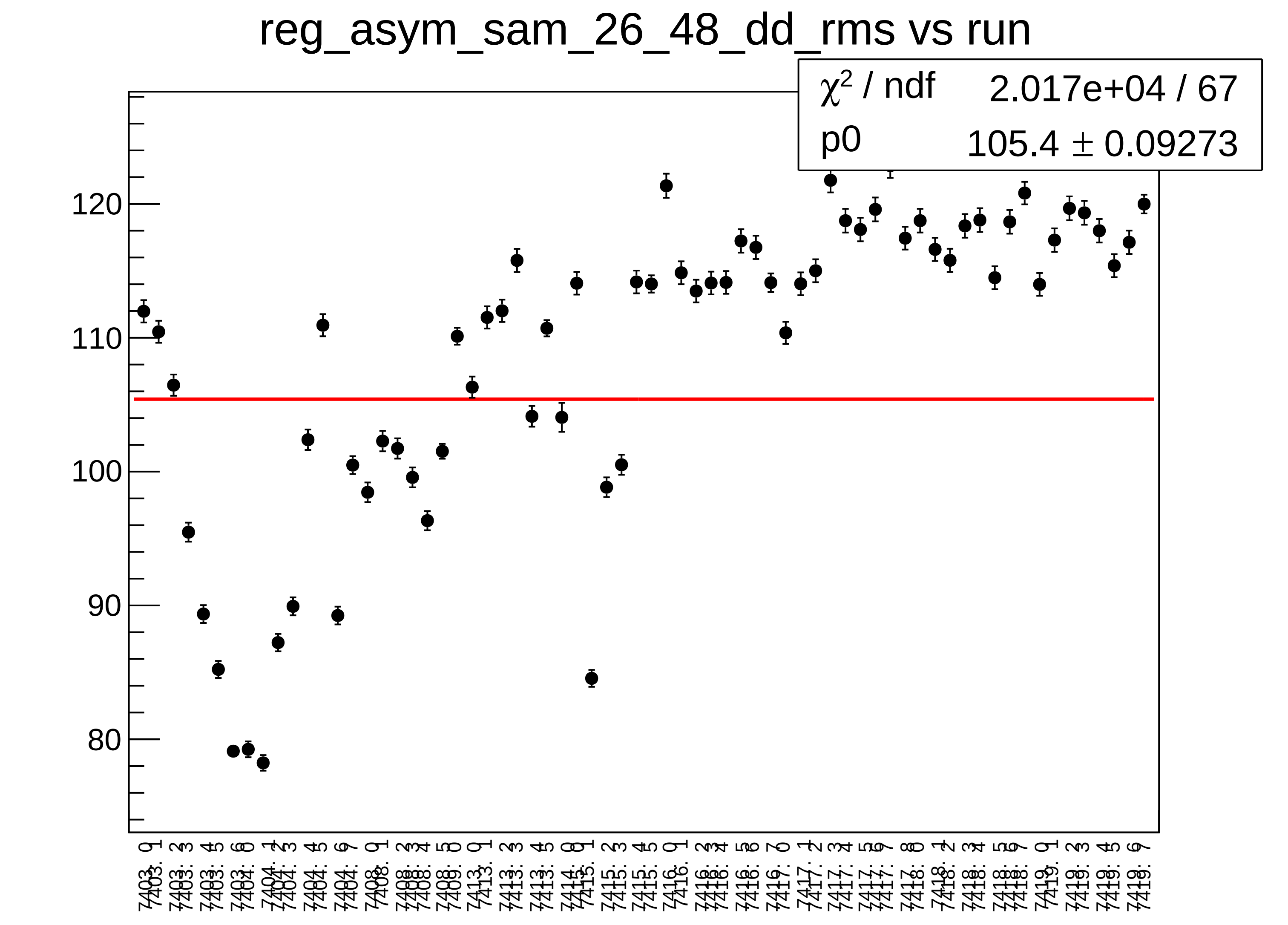


asym_sam_24_68_dd_mean vs run
χ^2 / ndf 70 / 67
p0 601.3 ± 936.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 122.8
Std Dev 85.89
2
1
0
−1
−2
pull1D
Entries 68
Mean 0.02936
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

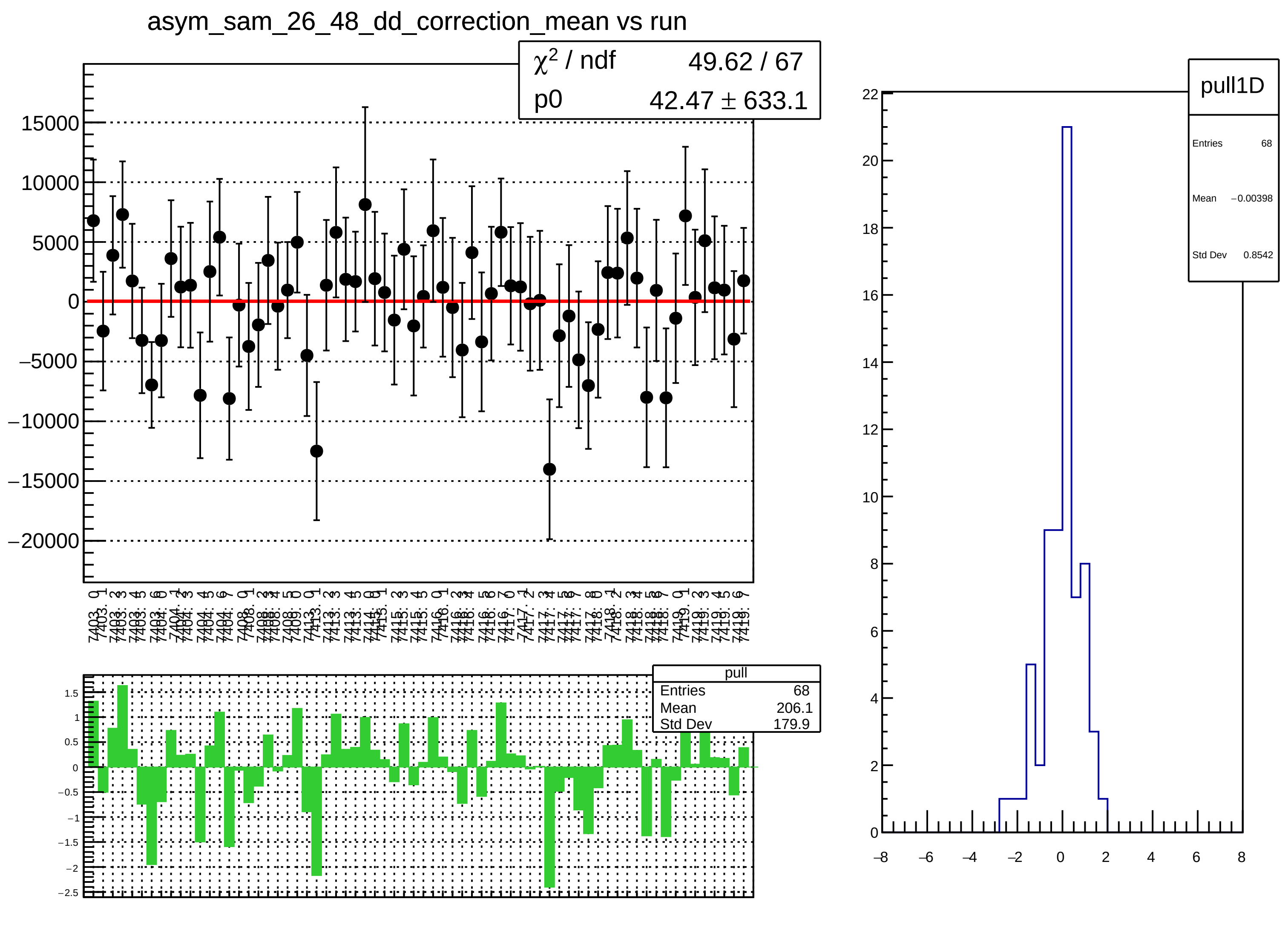

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2654 / 67
p0 758.2 ± 0.6625
880
860
840
820
800
780
760
740
720
700
680
660

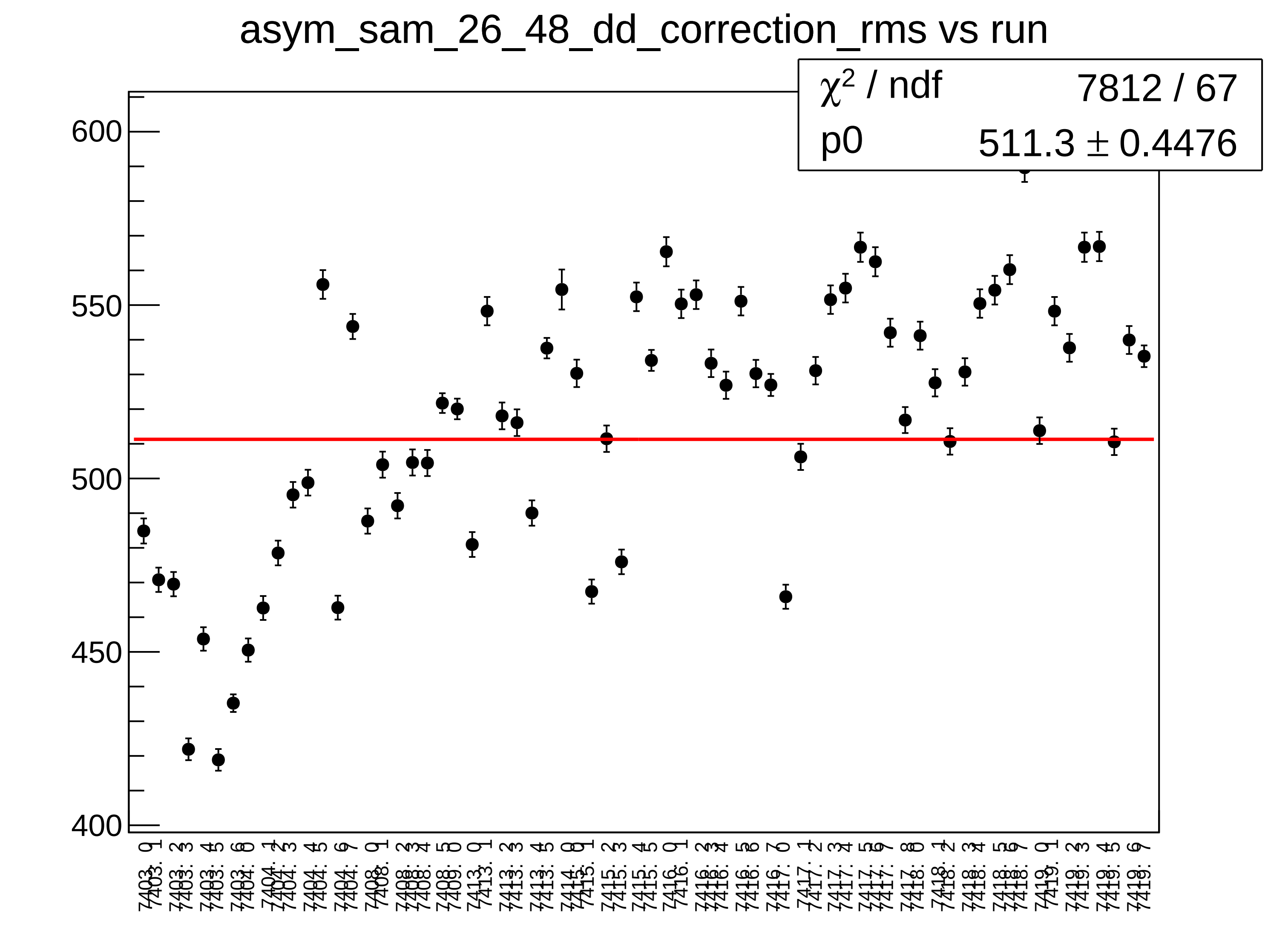


reg_asym_sam_26_48_dd_mean vs run
χ2 / ndf 65.73 / 67
p0 40.23 ± 131.1
pull
Entries 68
Mean 64.91
Std Dev 117.1
pull1D
Entries 68
Mean 0.004216
Std Dev 0.9832

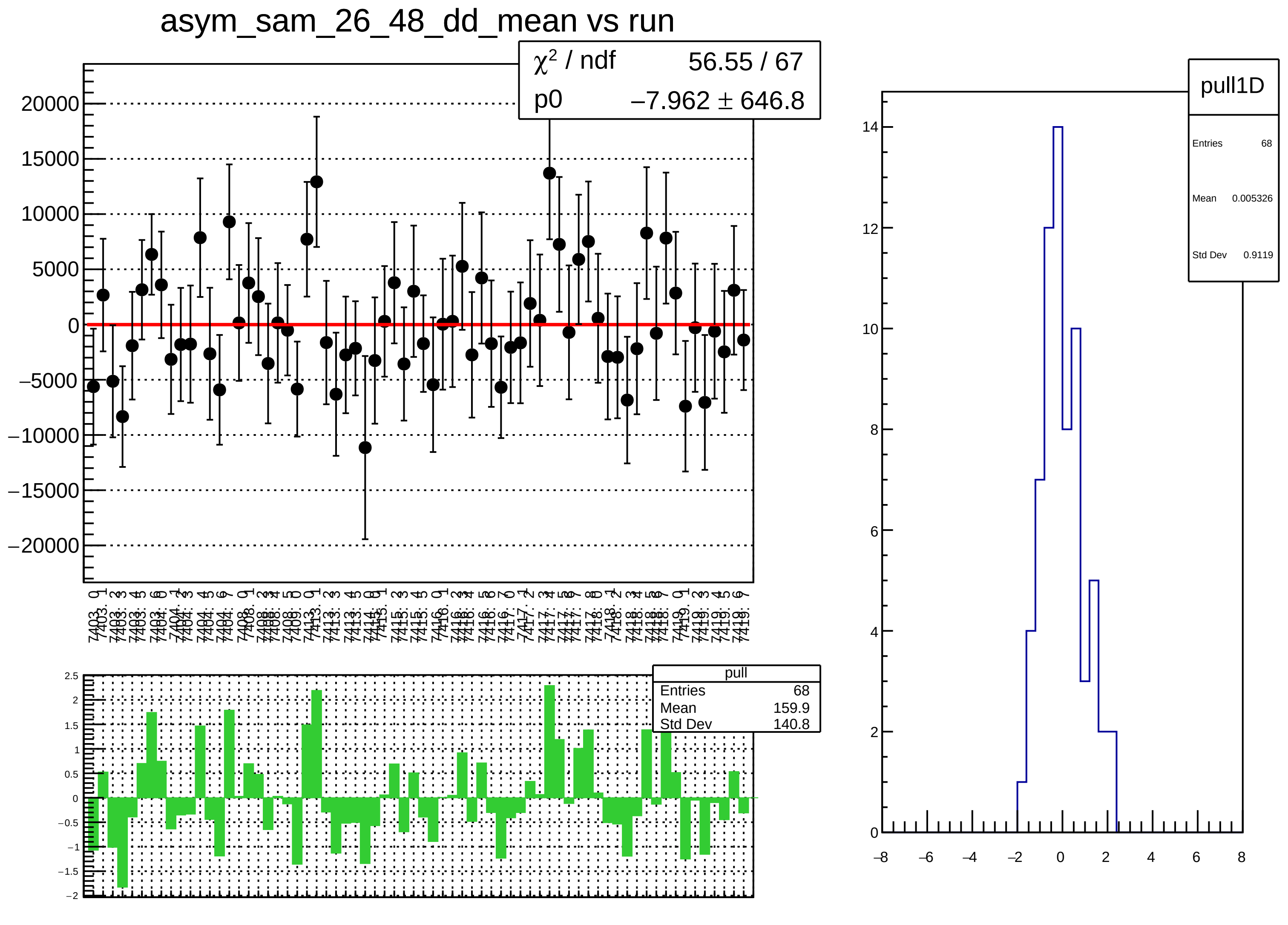


reg_asym_sam_26_48_dd_rms vs run
χ2 / ndf 2.017e+04 / 67
p0 105.4 ± 0.09273
120
110
100
90
80

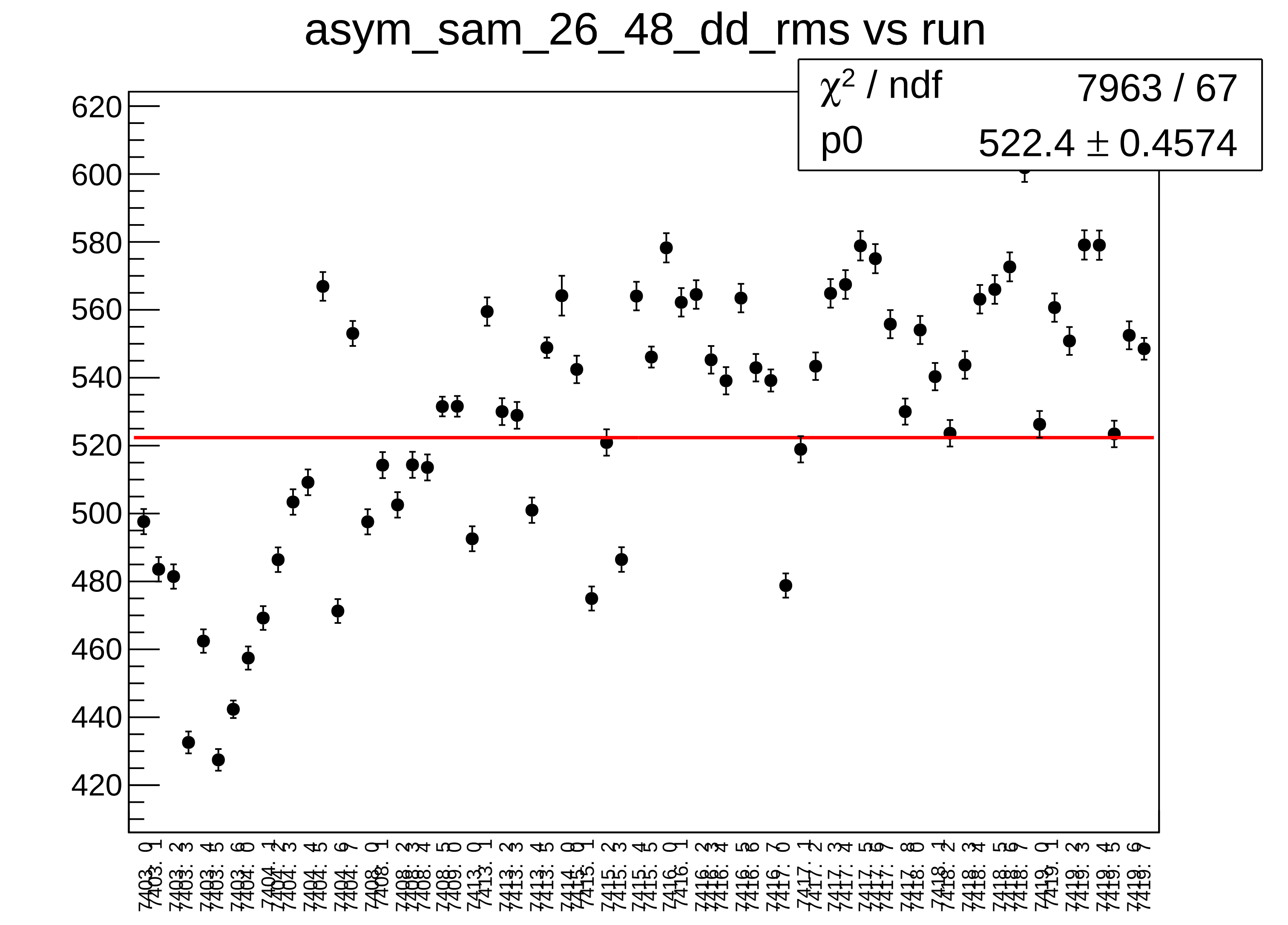

asym_sam_26_48_dd_correction_mean vs run
χ2 / ndf 49.62 / 67
p0 42.47 ± 633.1
pull
Entries 68
Mean 206.1
Std Dev 179.9
pull1D
Entries 68
Mean −0.00398
Std Dev 0.8542



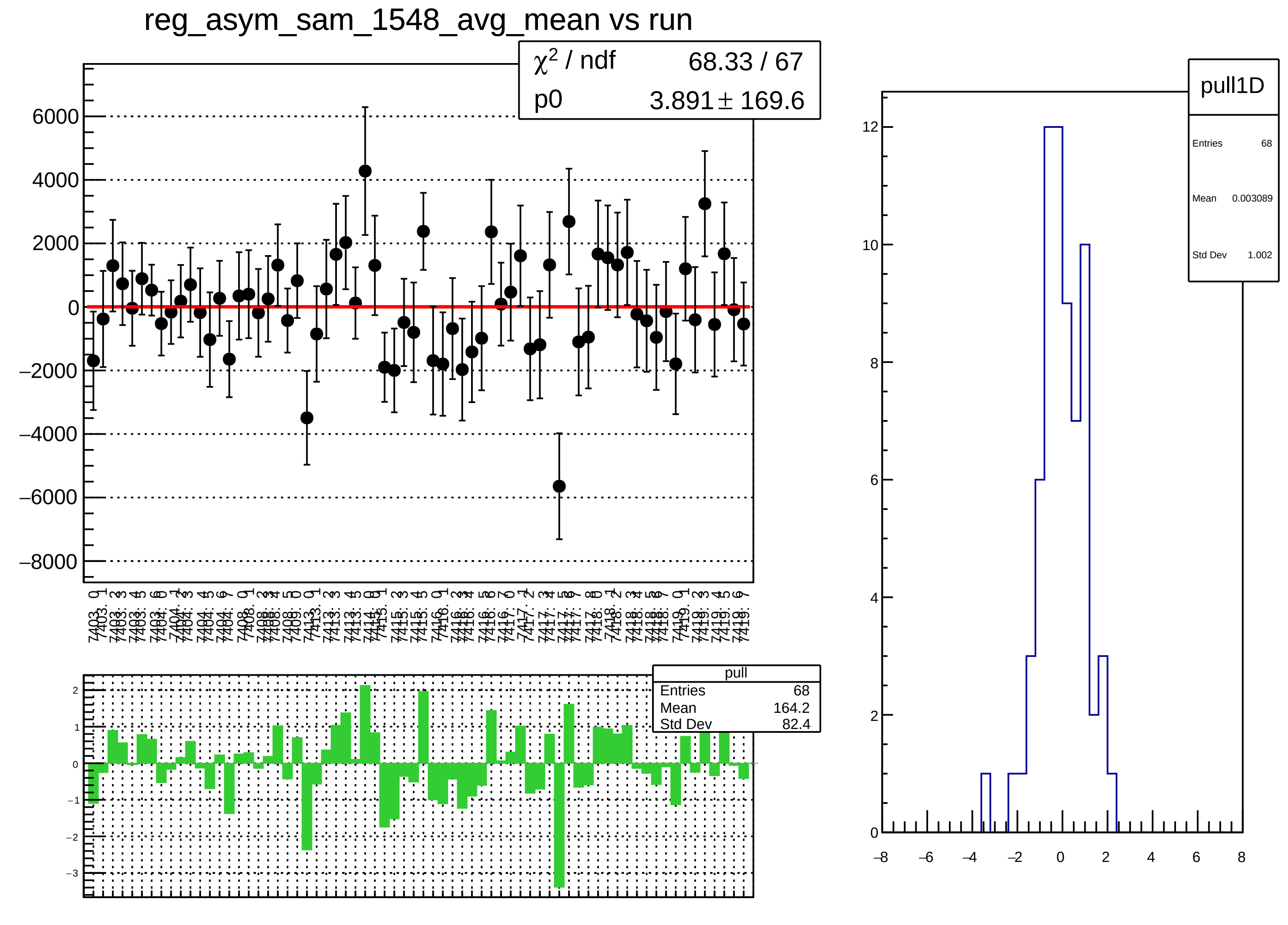
asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 7812 / 67
p0 511.3 ± 0.4476
600
550
500
450
400

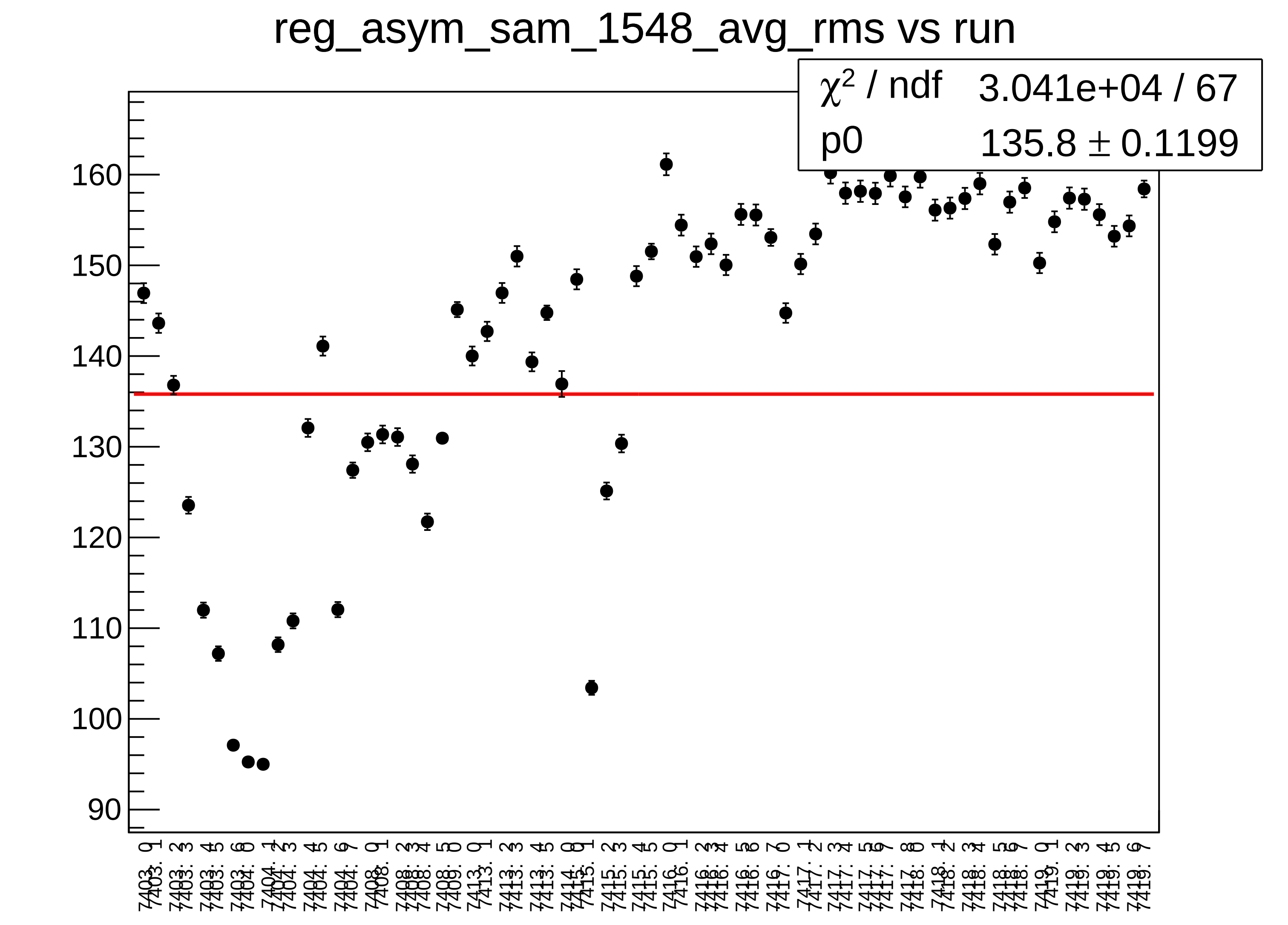


asym_sam_26_48_dd_mean vs run
χ^2 / ndf 56.55 / 67
p0 −7.962 ± 646.8
pull
Entries 68
Mean 159.9
Std Dev 140.8
pull1D
Entries 68
Mean 0.005326
Std Dev 0.9119

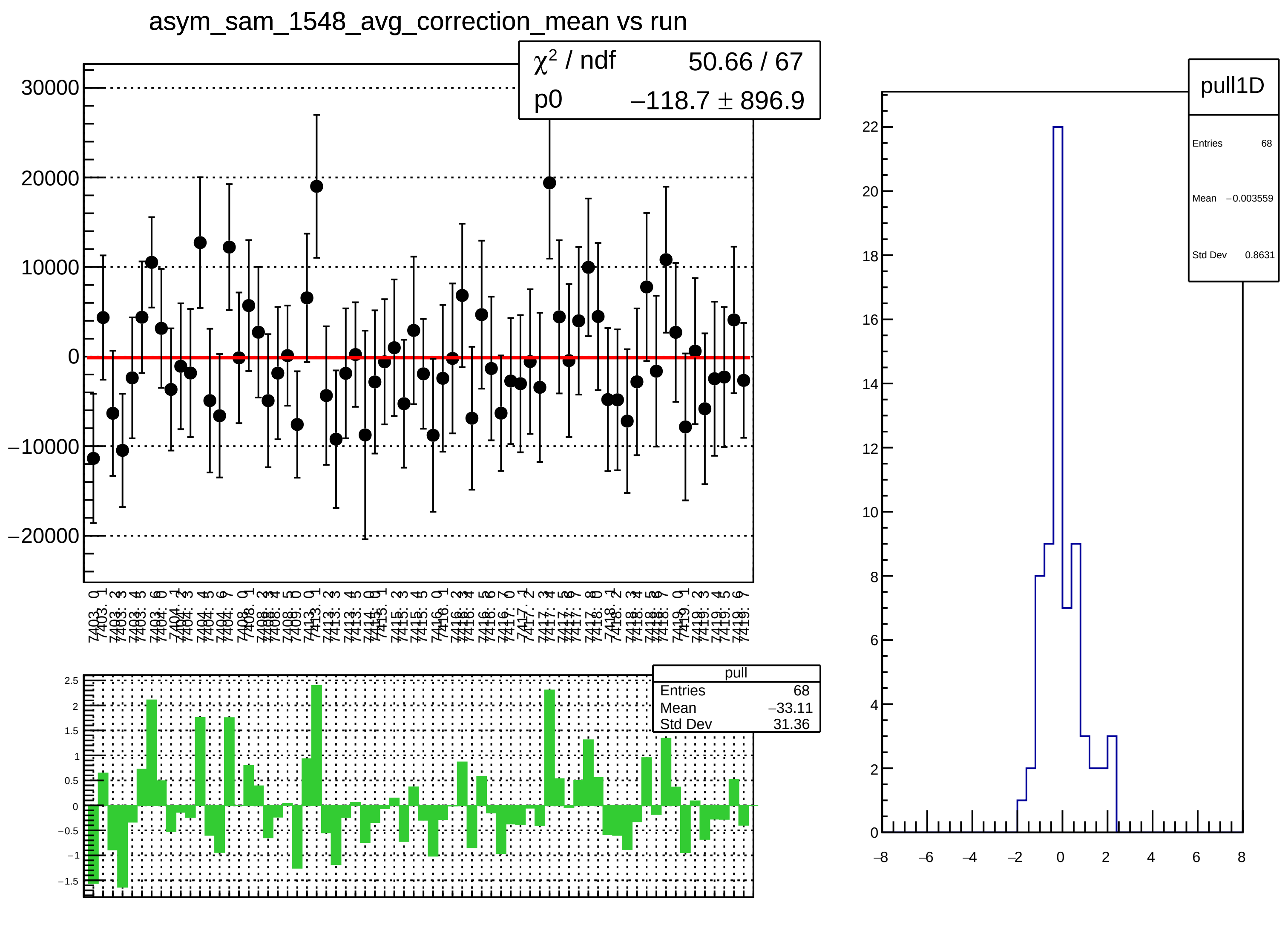


asym_sam_26_48_dd_rms vs run
χ^2 / ndf 7963 / 67
p0 522.4 ± 0.4574
620
600
580
560
540
520
500
480
460
440
420

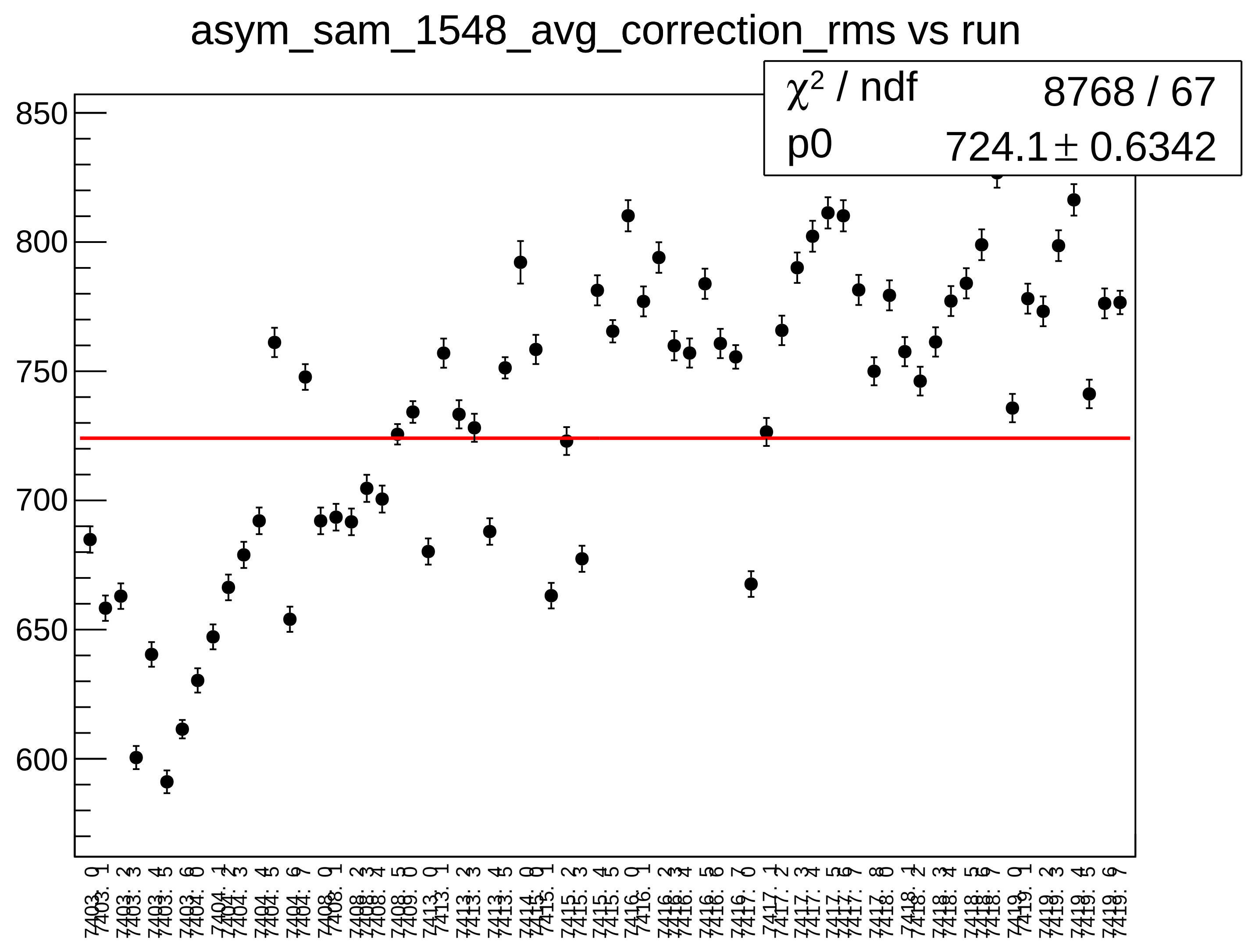

reg_asym_sam_1548_avg_mean vs run
χ^2 / ndf 68.33 / 67
p0 3.891 ± 169.6
pull
Entries 68
Mean 164.2
Std Dev 82.4
pull1D
Entries 68
Mean 0.003089
Std Dev 1.002

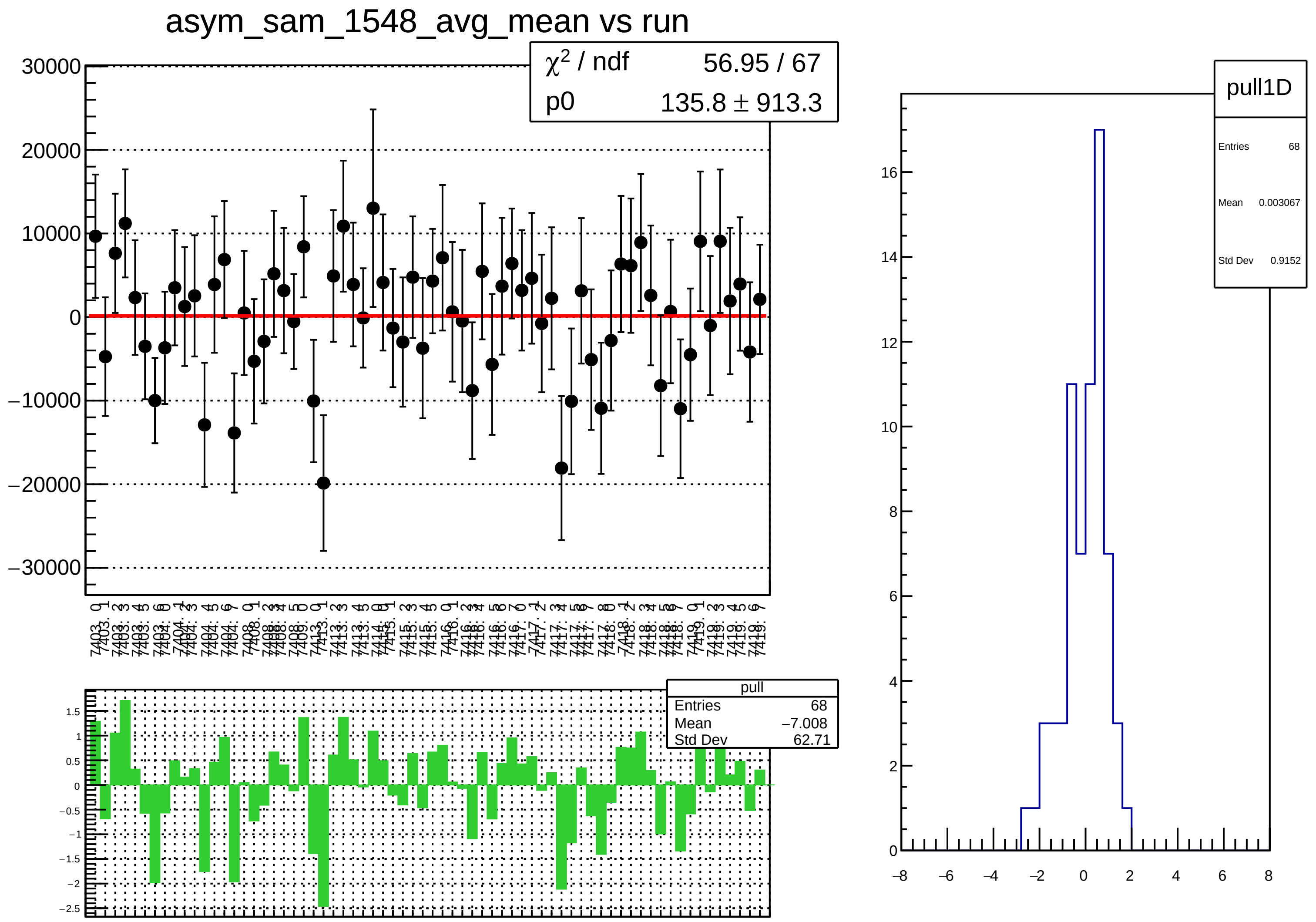


reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3.041e+04 / 67
p0 135.8 ± 0.1199
160
150
140
130
120
110
100
90

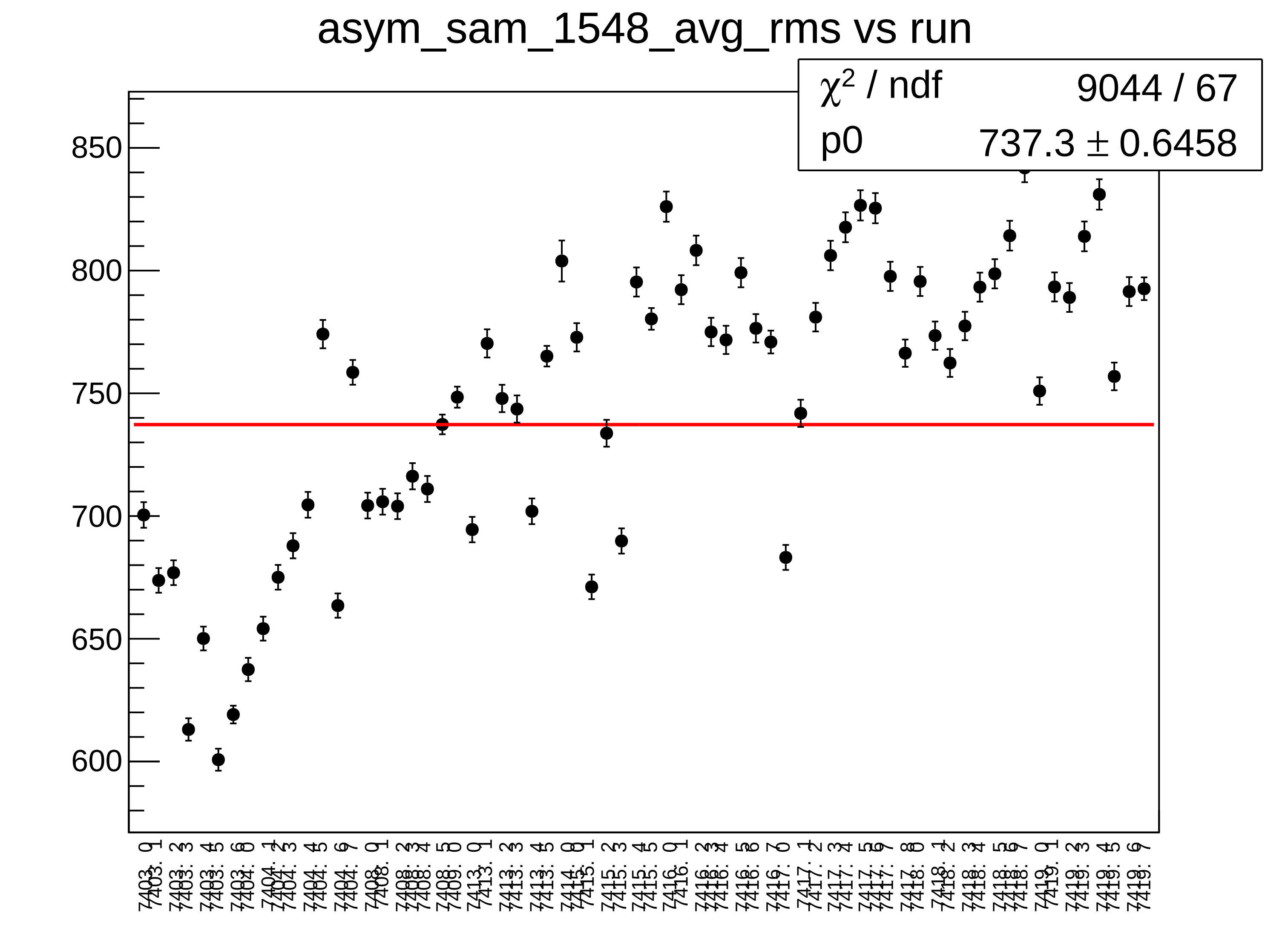


asym_sam_1548_avg_correction_mean vs run
χ2 / ndf 50.66 / 67
p0 −118.7 ± 896.9
pull
Entries 68
Mean −33.11
Std Dev 31.36
pull1D
Entries 68
Mean −0.003559
Std Dev 0.8631

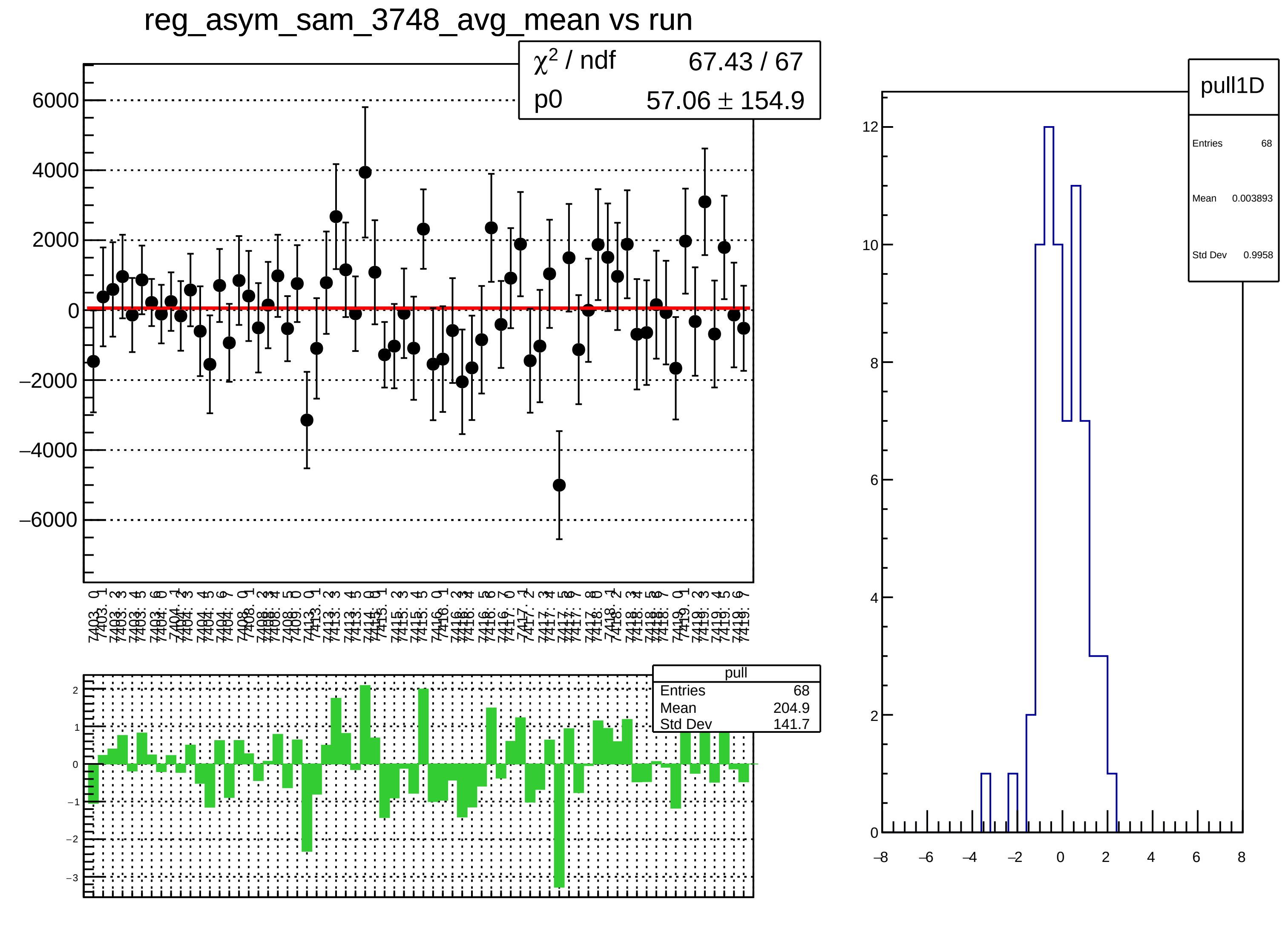

asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 8768 / 67
p0 724.1 ± 0.6342
850
800
750
700
650
600

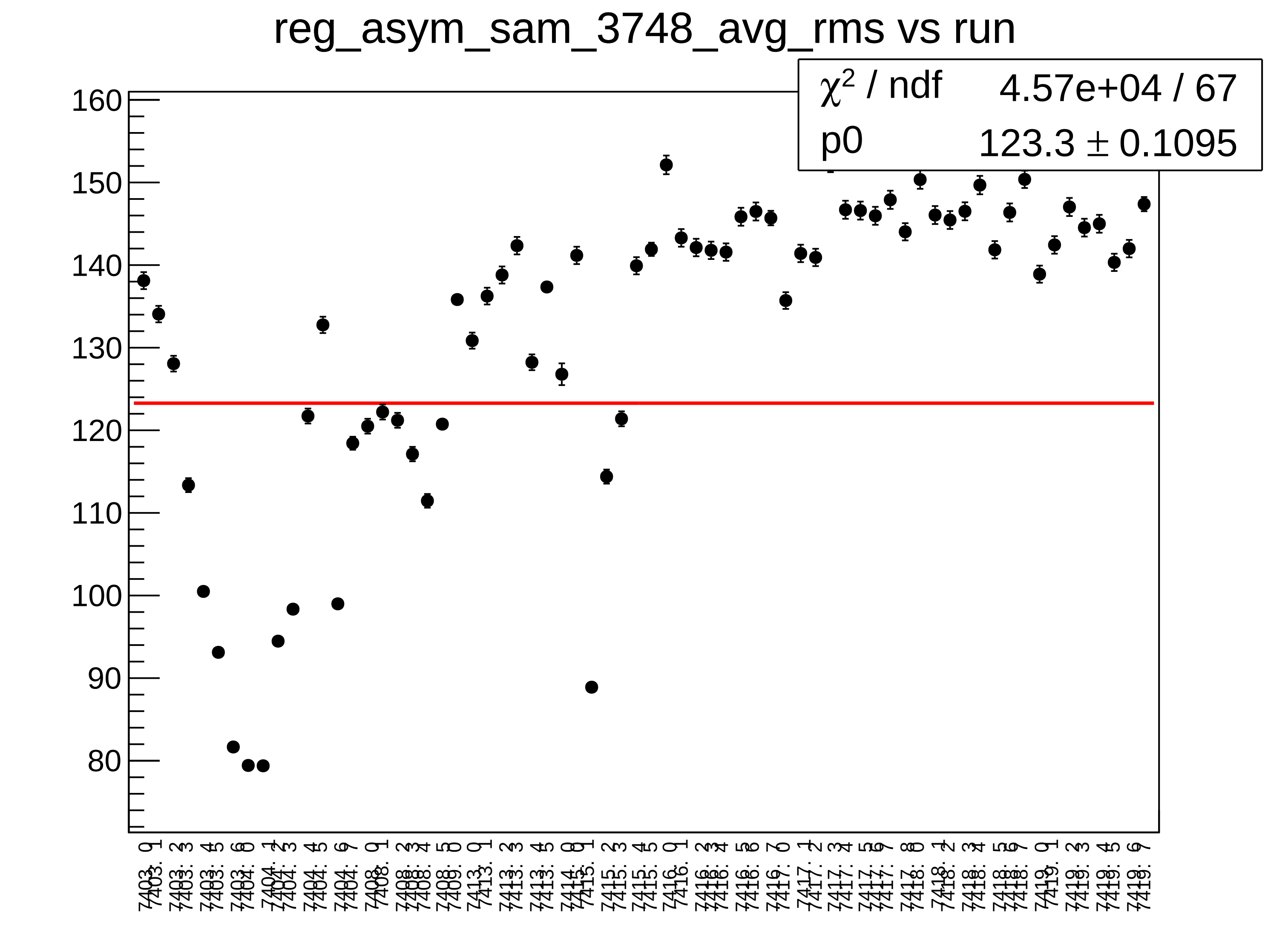


asym_sam_1548_avg_mean vs run
χ^2 / ndf 56.95 / 67
p0 135.8 ± 913.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean −7.008
Std Dev 62.71
pull1D
Entries 68
Mean 0.003067
Std Dev 0.9152

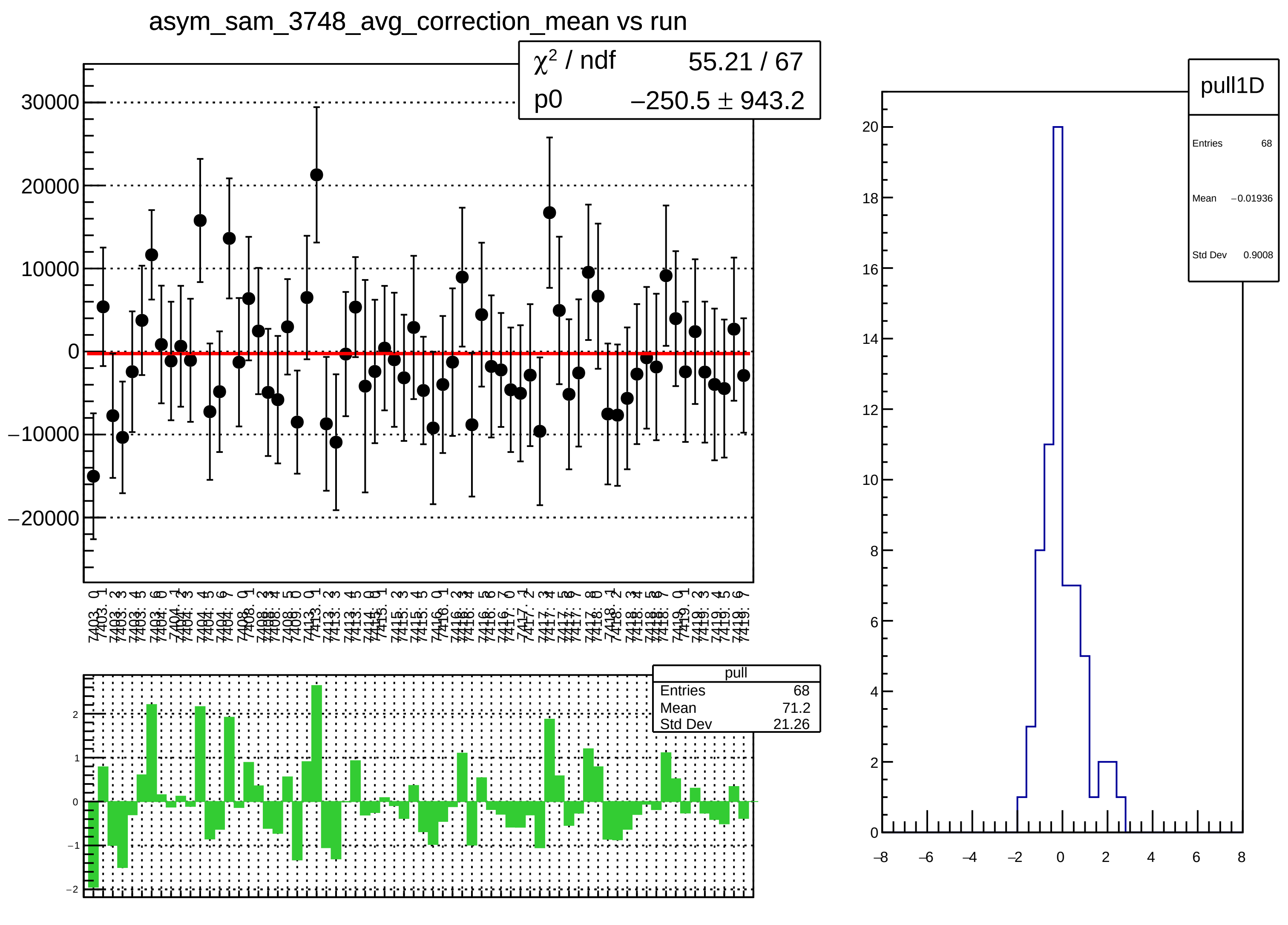


asym_sam_1548_avg_rms vs run
χ^2 / ndf 9044 / 67
p0 737.3 ± 0.6458

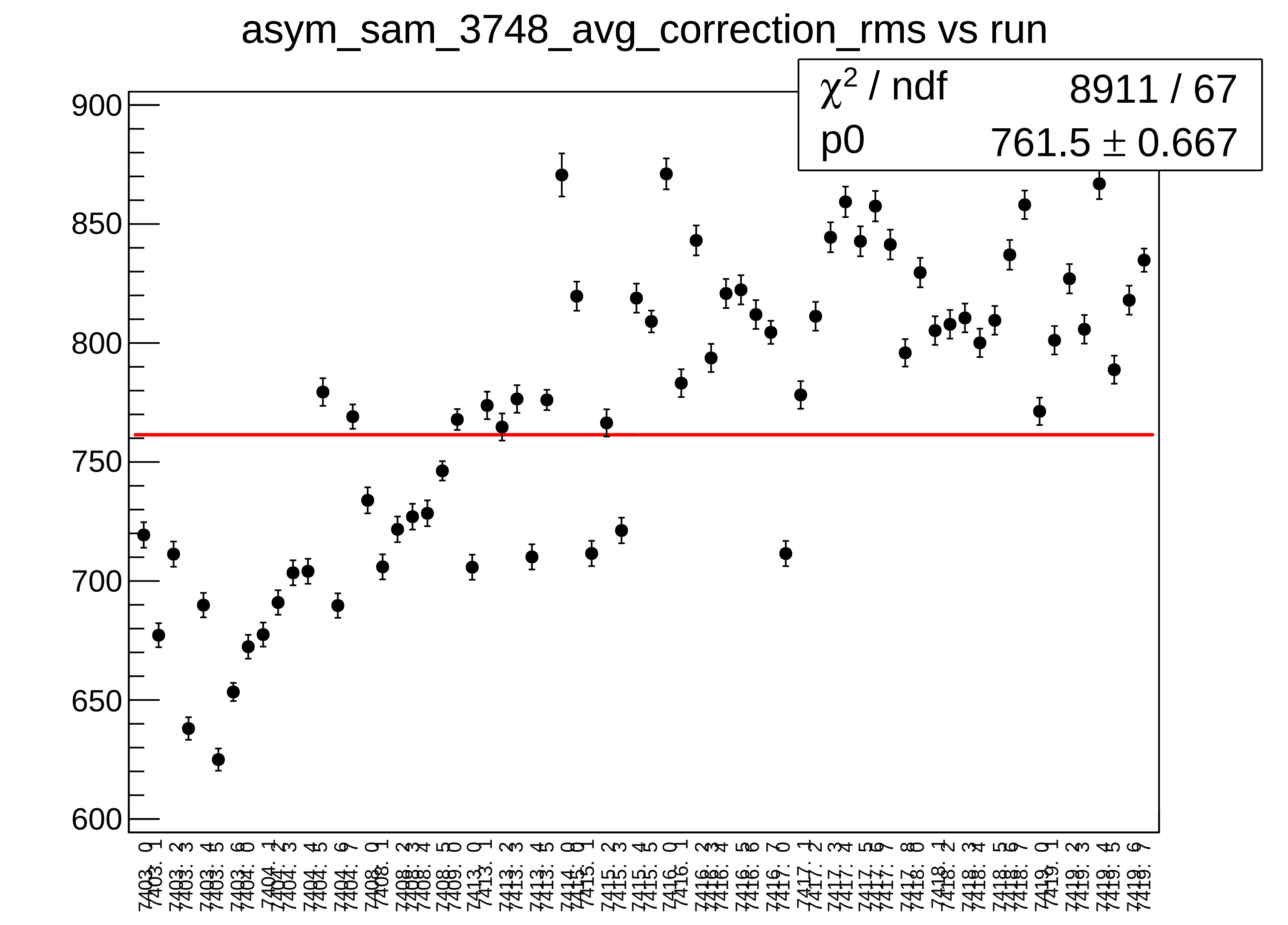

reg_asym_sam_3748_avg_mean vs run
χ^2 / ndf 67.43 / 67
p0 57.06 ± 154.9
pull
Entries 68
Mean 204.9
Std Dev 141.7
pull1D
Entries 68
Mean 0.003893
Std Dev 0.9958



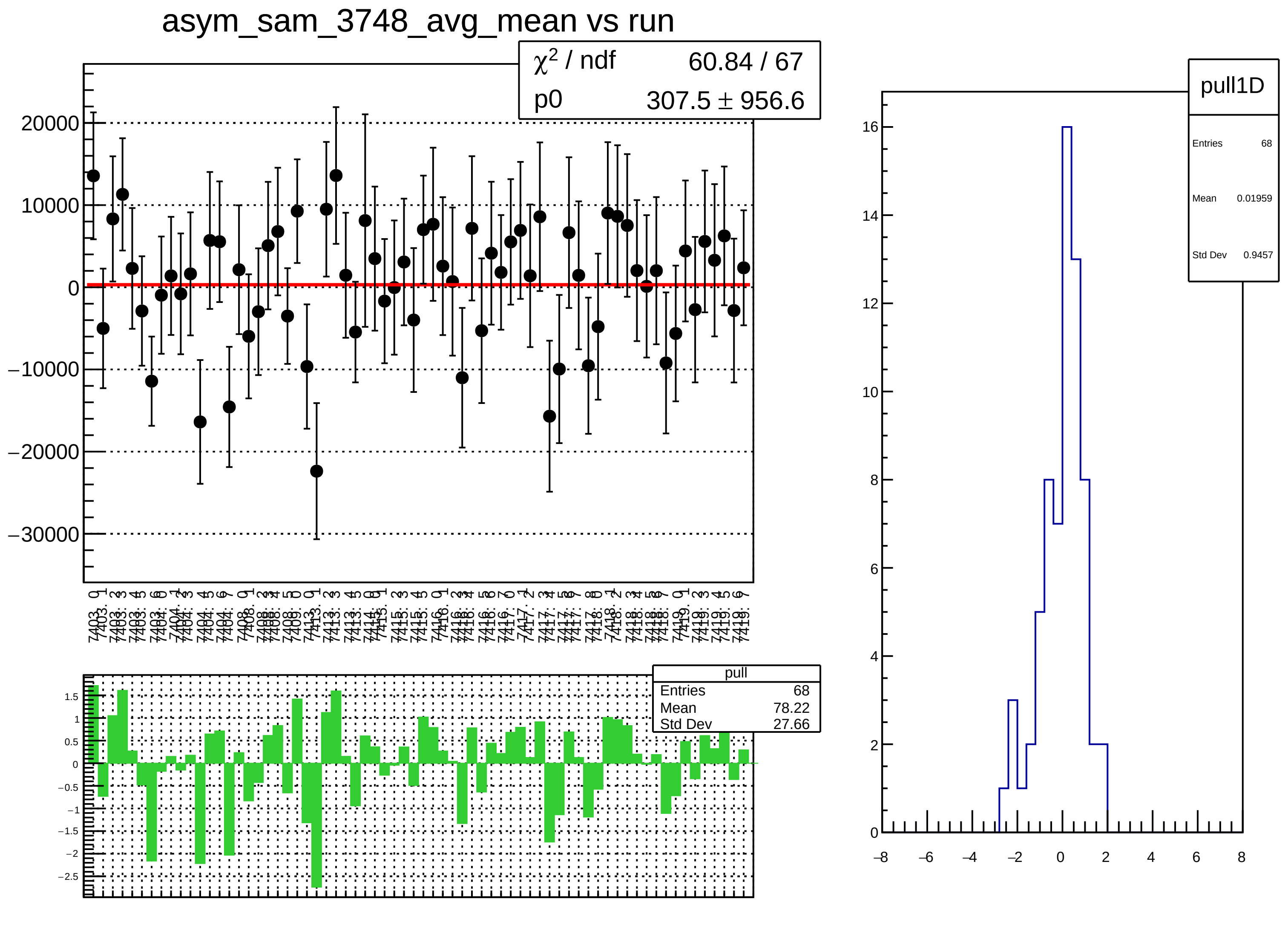
reg_asym_sam_3748_avg_rms vs run
χ2 / ndf 4.57e+04 / 67
p0 123.3 ± 0.1095
160
150
140
130
120
110
100
90
80



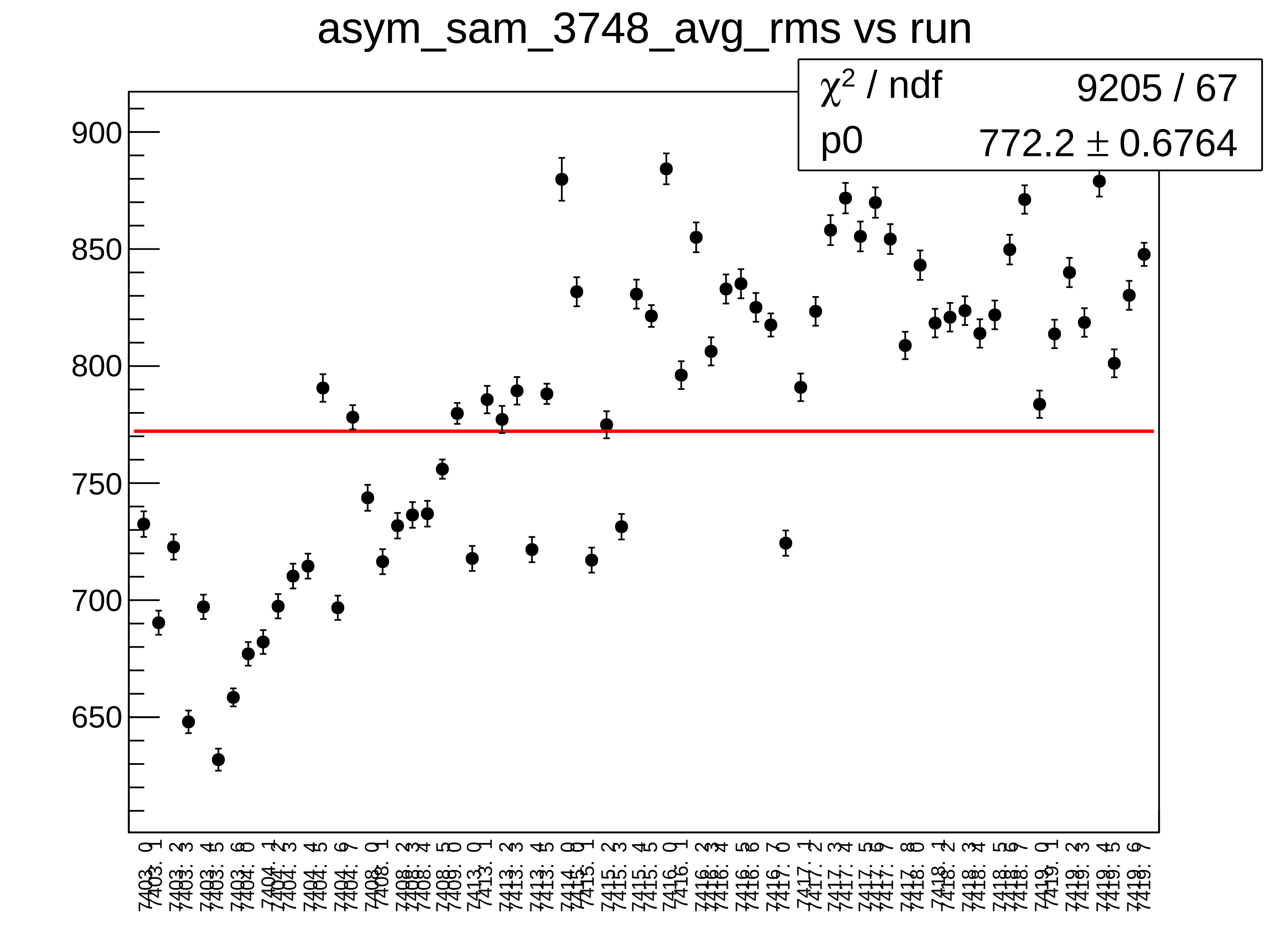
asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 55.21 / 67
p0 −250.5 ± 943.2
pull
Entries 68
Mean 71.2
Std Dev 21.26
pull1D
Entries 68
Mean −0.01936
Std Dev 0.9008



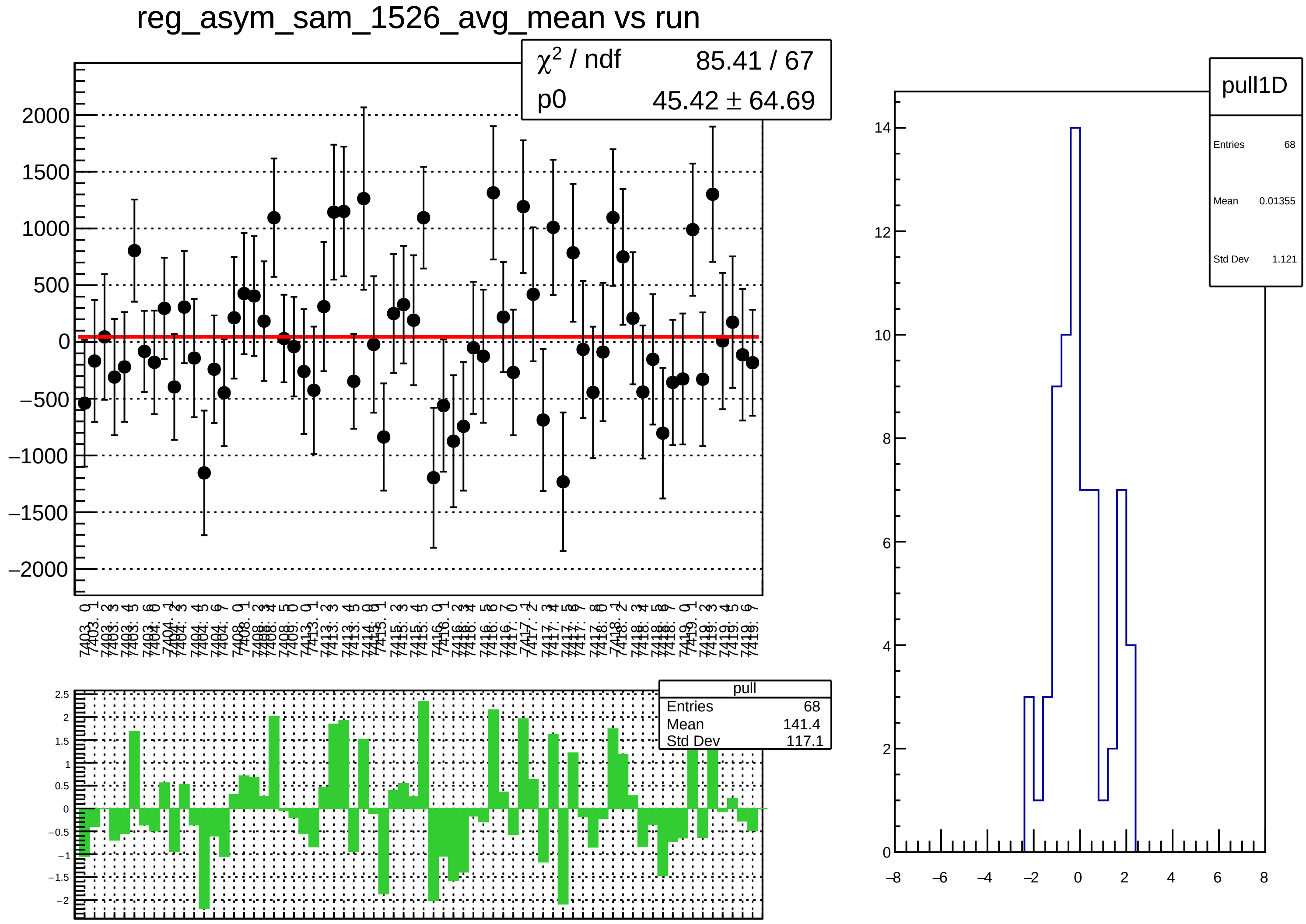
asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 8911 / 67
p0 761.5 ± 0.667
900
850
800
750
700
650
600



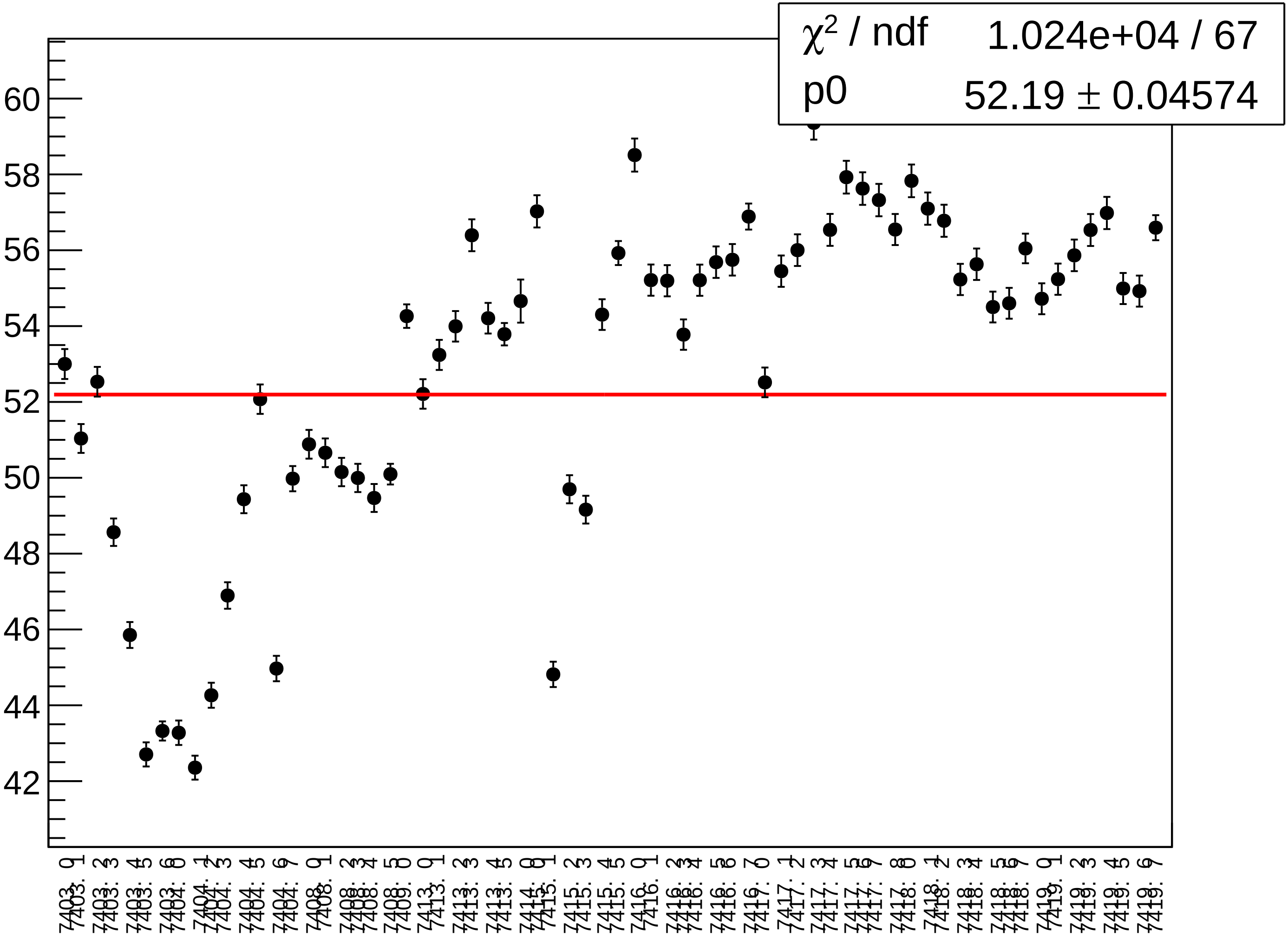
asym_sam_3748_avg_mean vs run
χ^2 / ndf 60.84 / 67
p0 307.5 ± 956.6
pull
Entries 68
Mean 78.22
Std Dev 27.66
pull1D
Entries 68
Mean 0.01959
Std Dev 0.9457

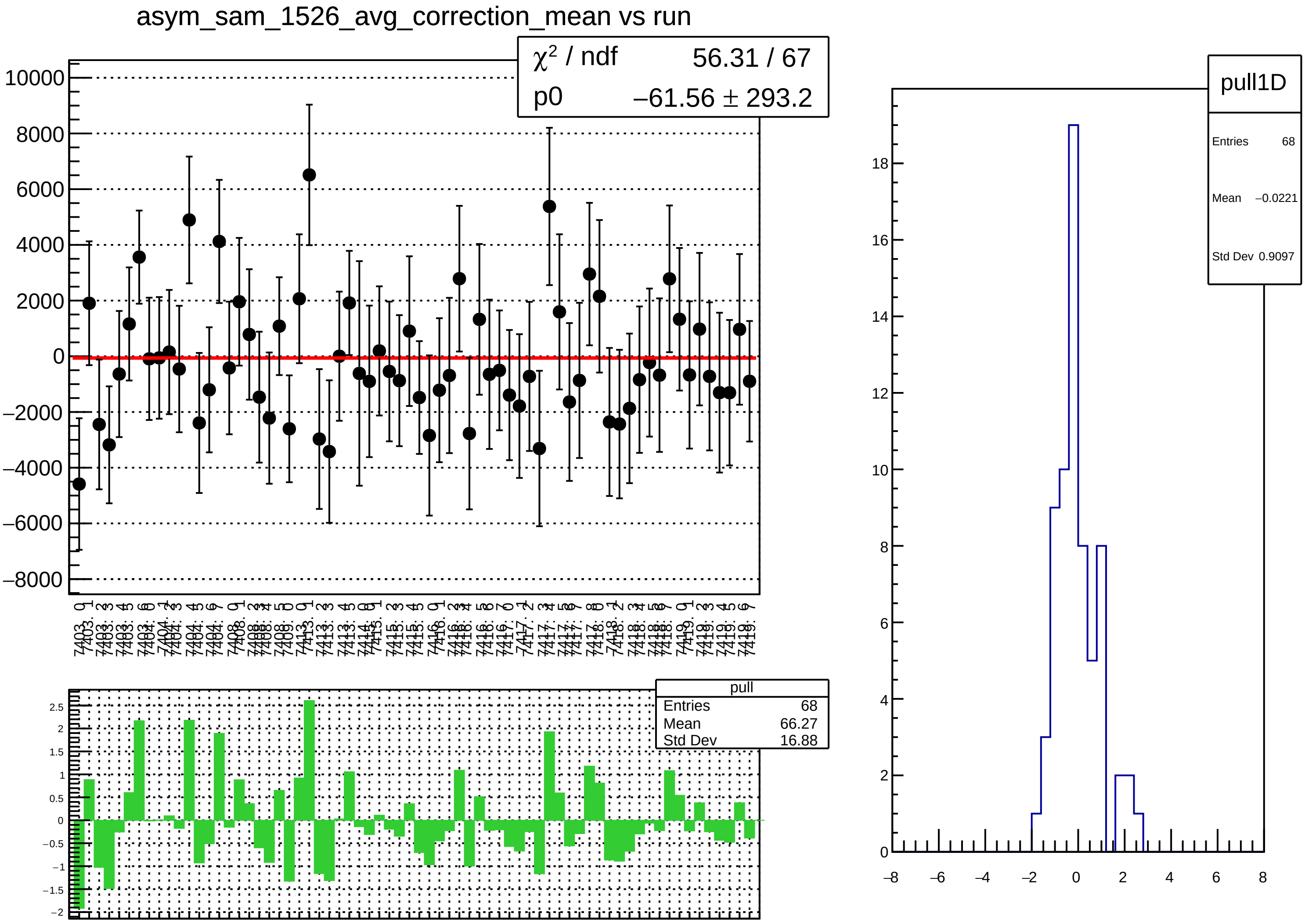


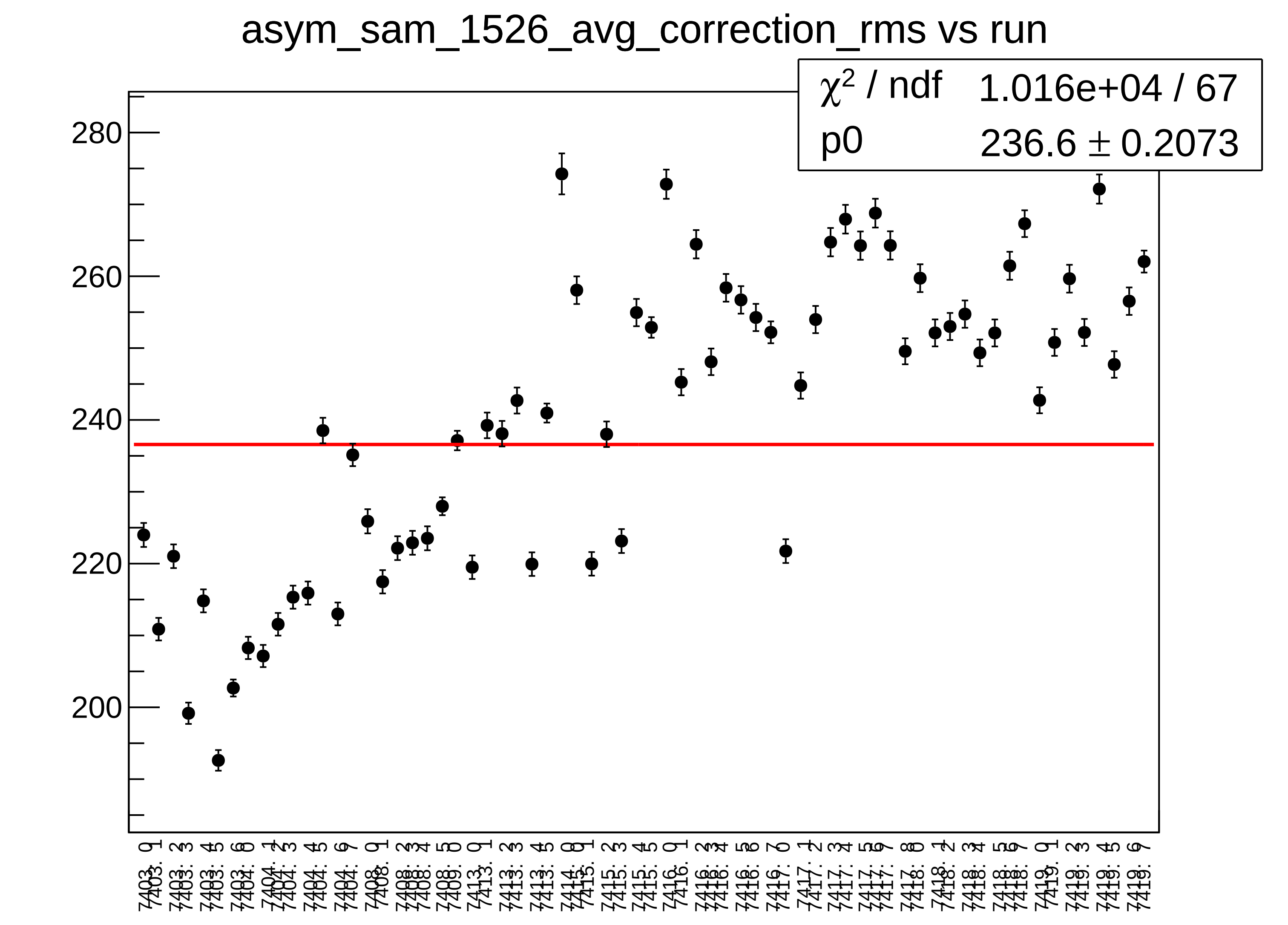
asym_sam_3748_avg_rms vs run
χ^2 / ndf 9205 / 67
p0 772.2 ± 0.6764
900
850
800
750
700
650


reg_asym_sam_1526_avg_mean vs run
χ^2 / ndf 85.41 / 67
p0 45.42 ± 64.69
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 68
Mean 141.4
Std Dev 117.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean 0.01355
Std Dev 1.121
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

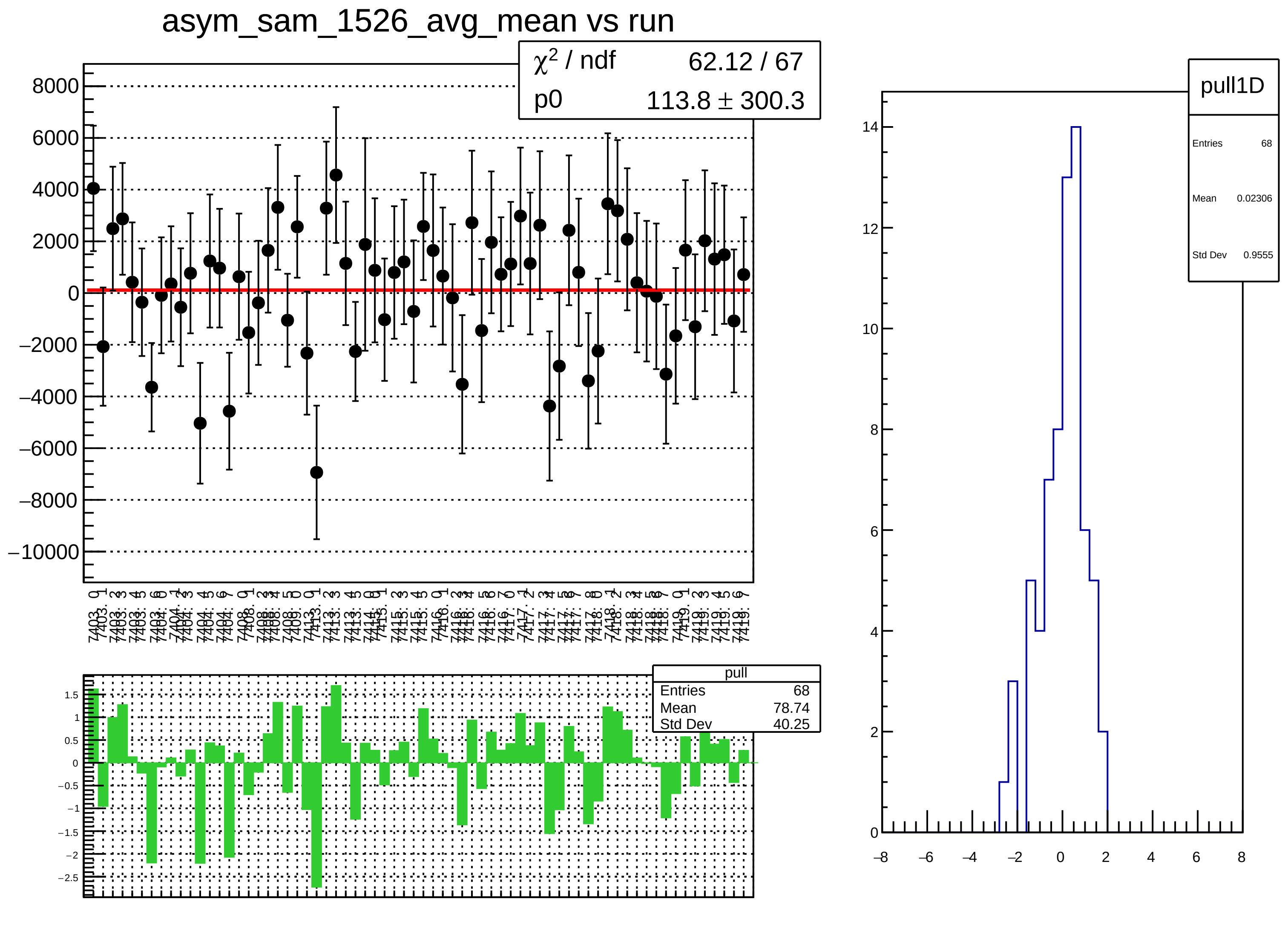
reg_asym_sam_1526_avg_rms vs run



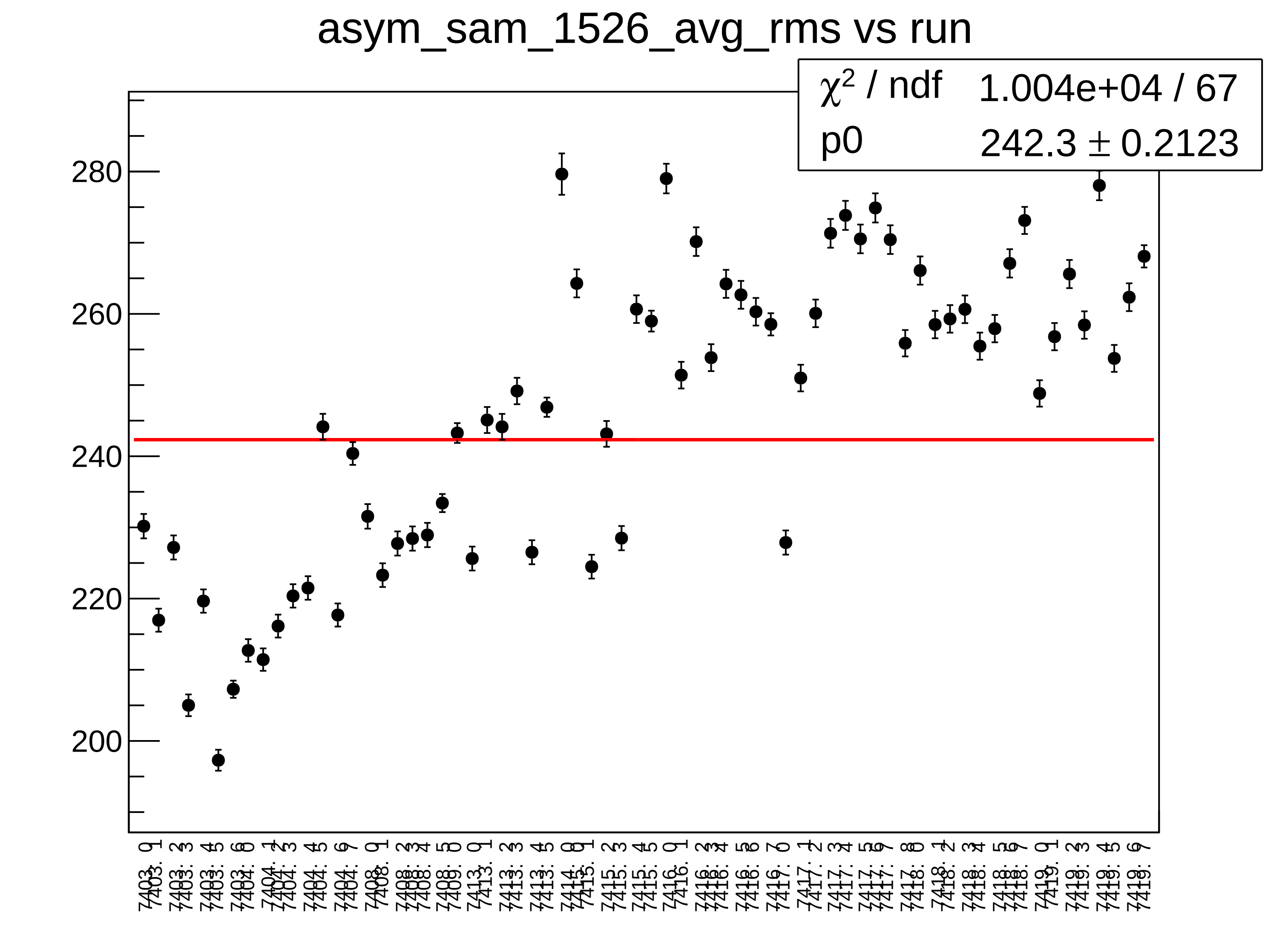

asym_sam_1526_avg_correction_mean vs run
χ2 / ndf 56.31 / 67
p0 −61.56 ± 293.2
pull
Entries 68
Mean 66.27
Std Dev 16.88
pull1D
Entries 68
Mean −0.0221
Std Dev 0.9097

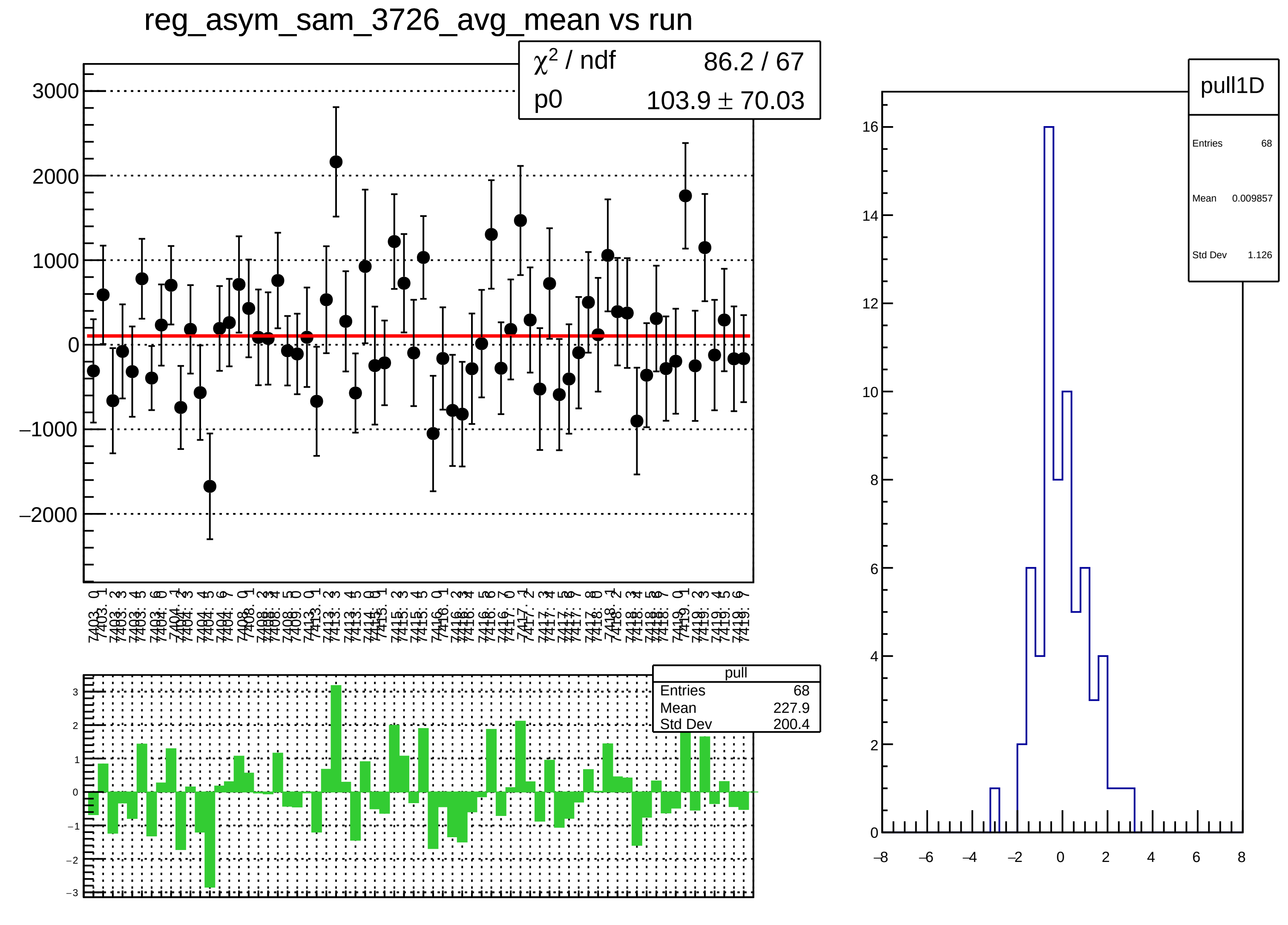


asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 1.016e+04 / 67
p0 236.6 ± 0.2073
280
260
240
220
200

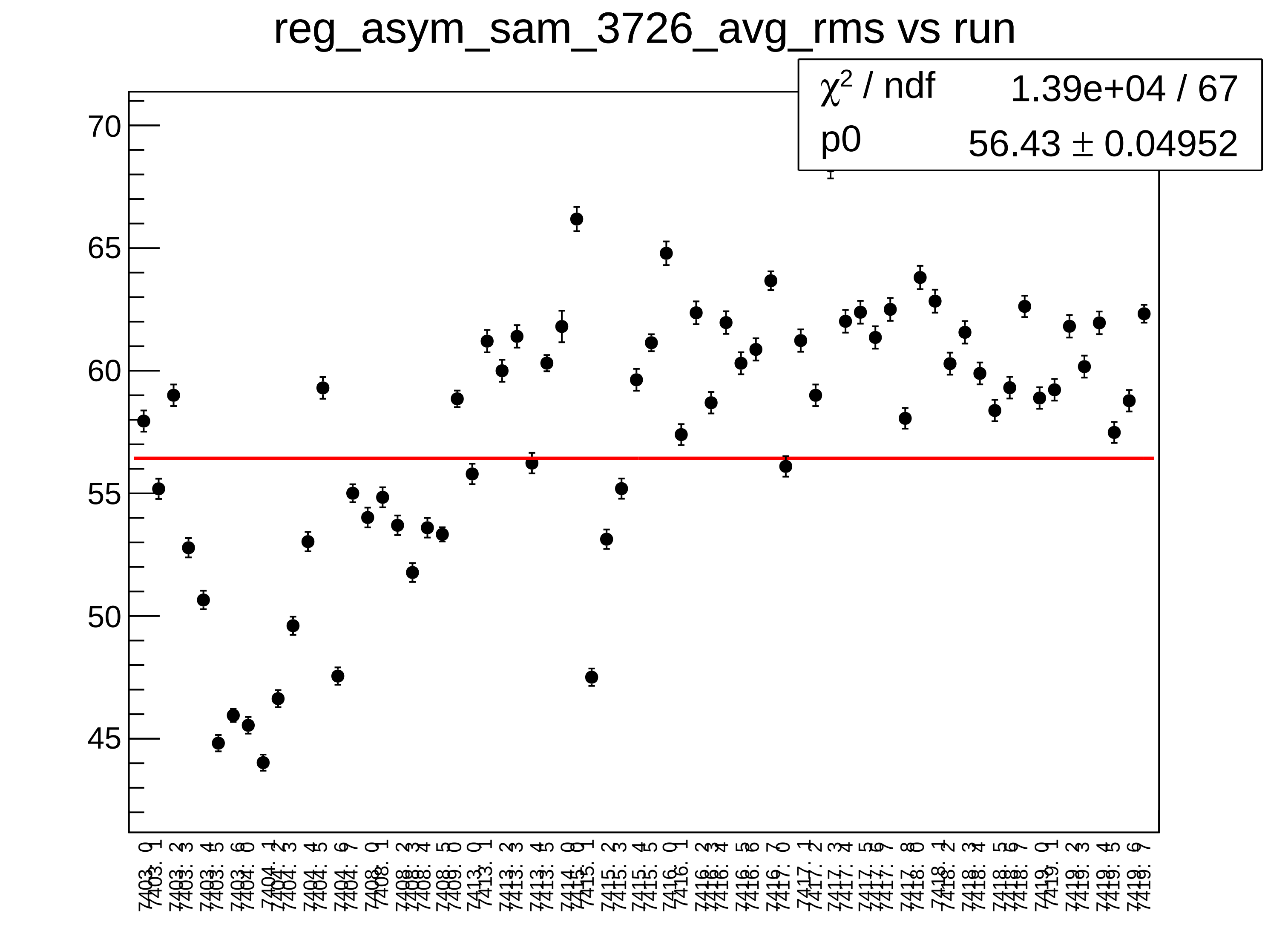


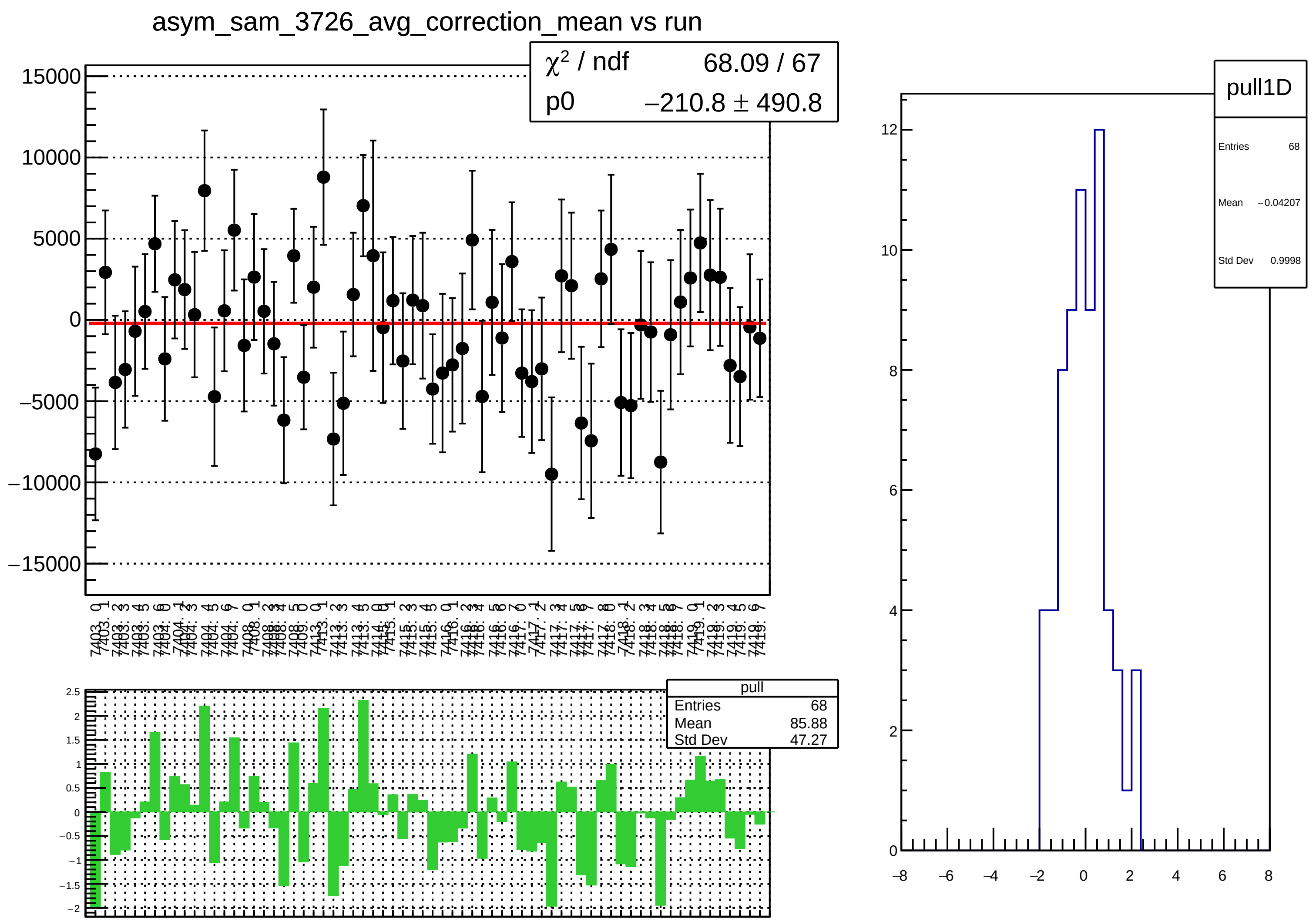
asym_sam_1526_avg_mean vs run
χ^2 / ndf 62.12 / 67
p0 113.8 ± 300.3
pull
Entries 68
Mean 78.74
Std Dev 40.25
pull1D
Entries 68
Mean 0.02306
Std Dev 0.9555

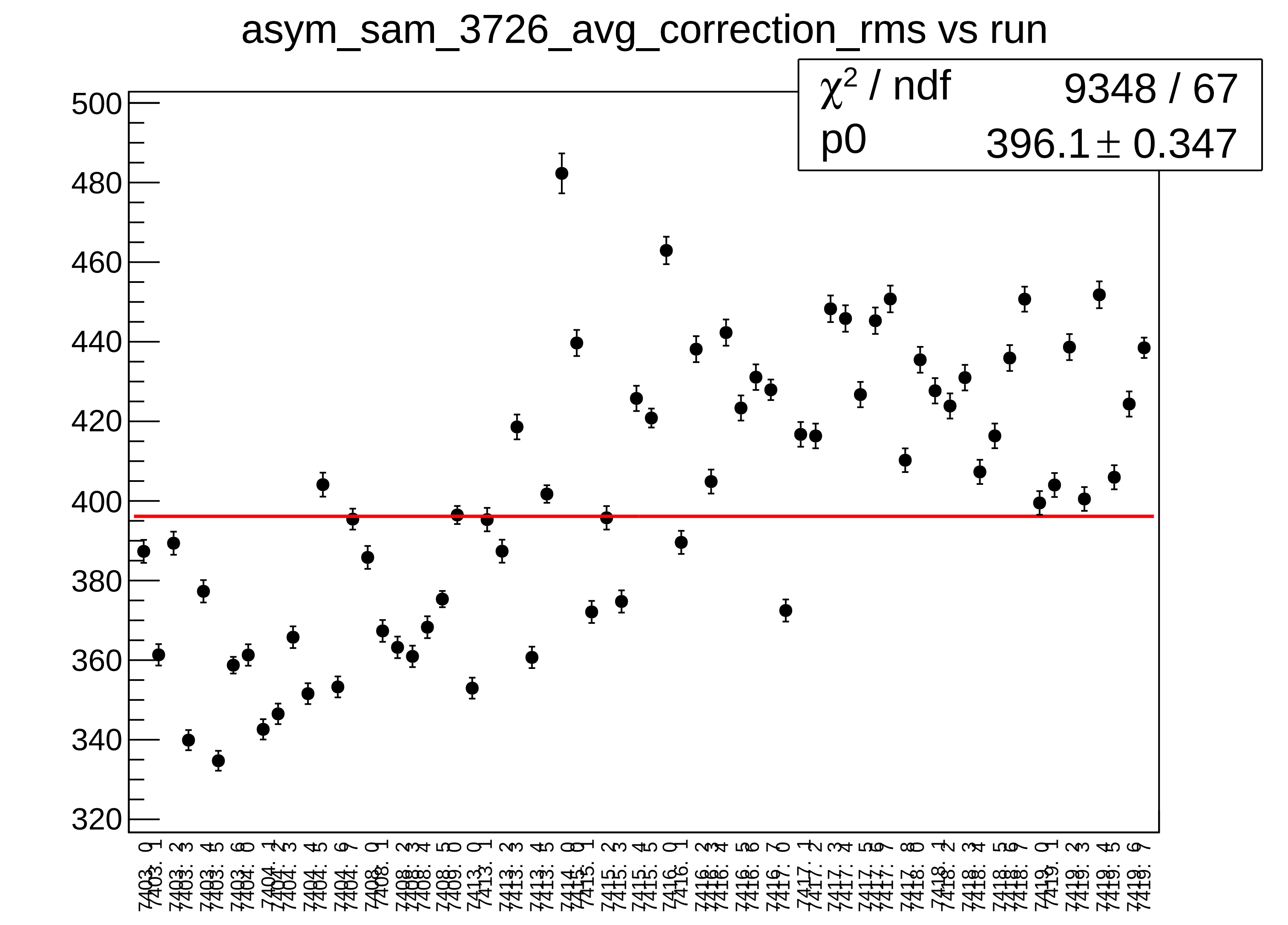

asym_sam_1526_avg_rms vs run
χ2 / ndf 1.004e+04 / 67
p0 242.3 ± 0.2123
280
260
240
220
200



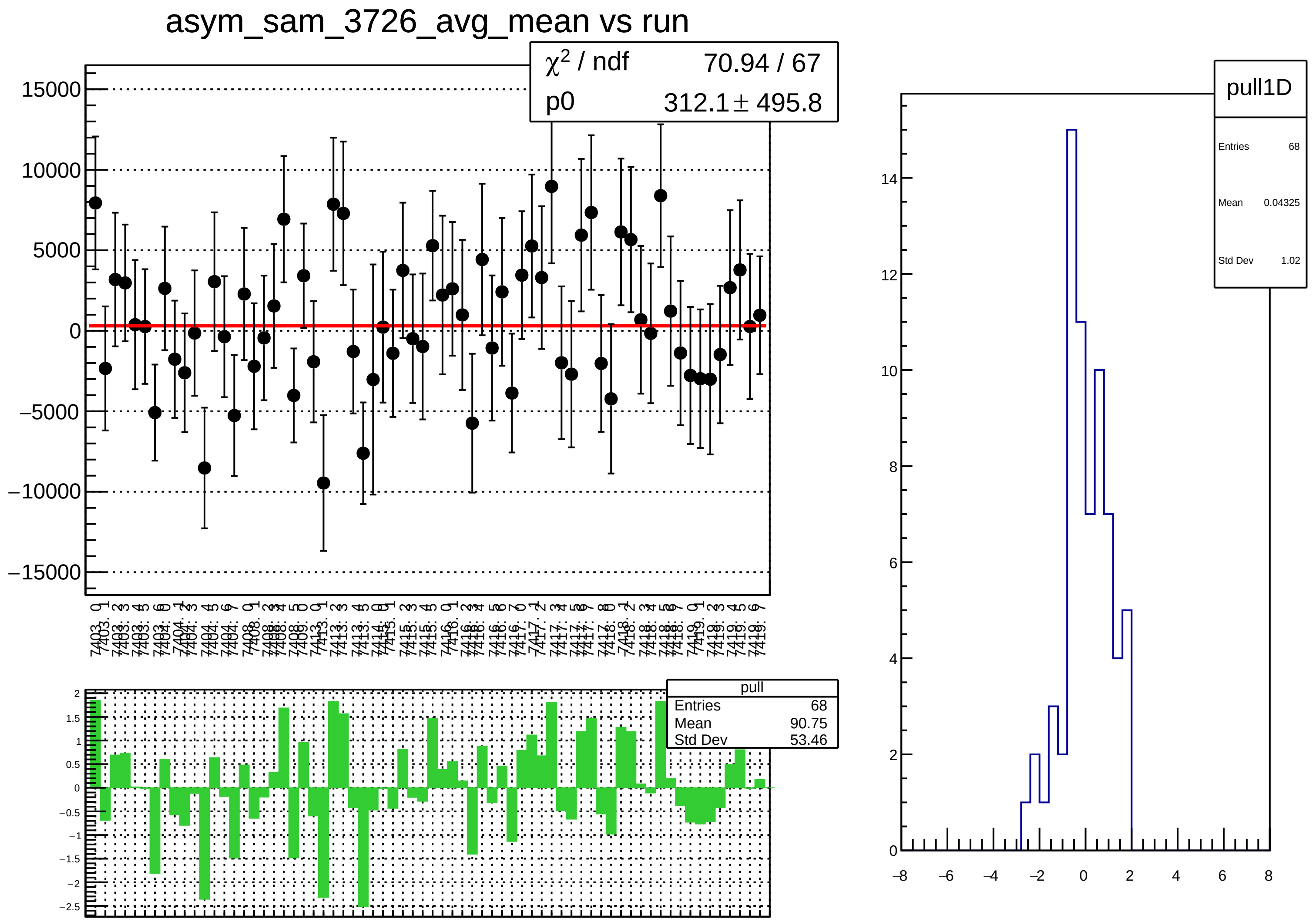
reg_asym_sam_3726_avg_mean vs run
χ^2 / ndf 86.2 / 67
p0 103.9 ± 70.03
pull
Entries 68
Mean 227.9
Std Dev 200.4
pull1D
Entries 68
Mean 0.009857
Std Dev 1.126


reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.39e+04 / 67
p0 56.43 ± 0.04952
70
65
60
55
50
45

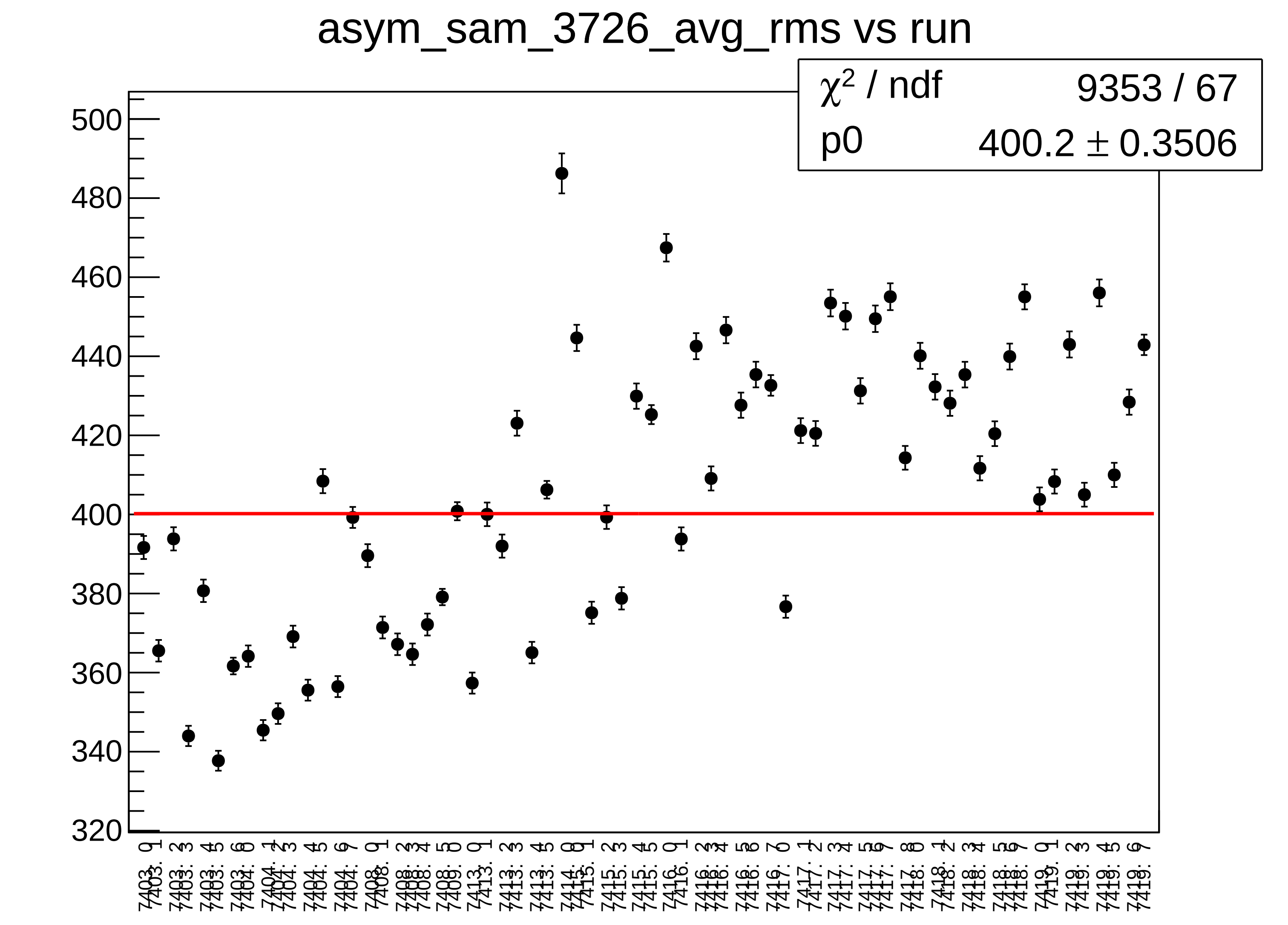

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 68.09 / 67
p0 −210.8 ± 490.8
pull
Entries 68
Mean 85.88
Std Dev 47.27
pull1D
Entries 68
Mean −0.04207
Std Dev 0.9998



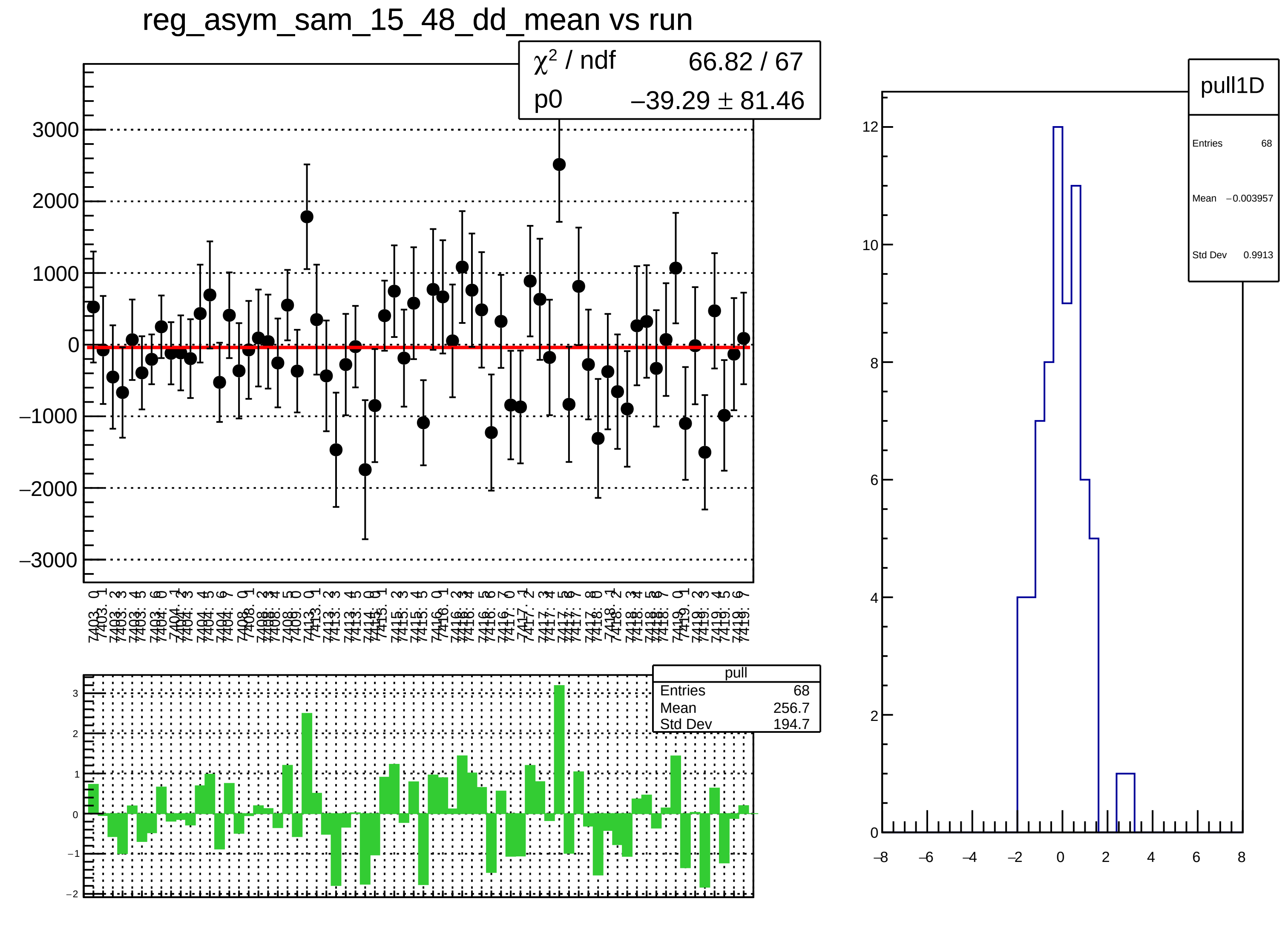
asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 9348 / 67
p0 396.1 ± 0.347



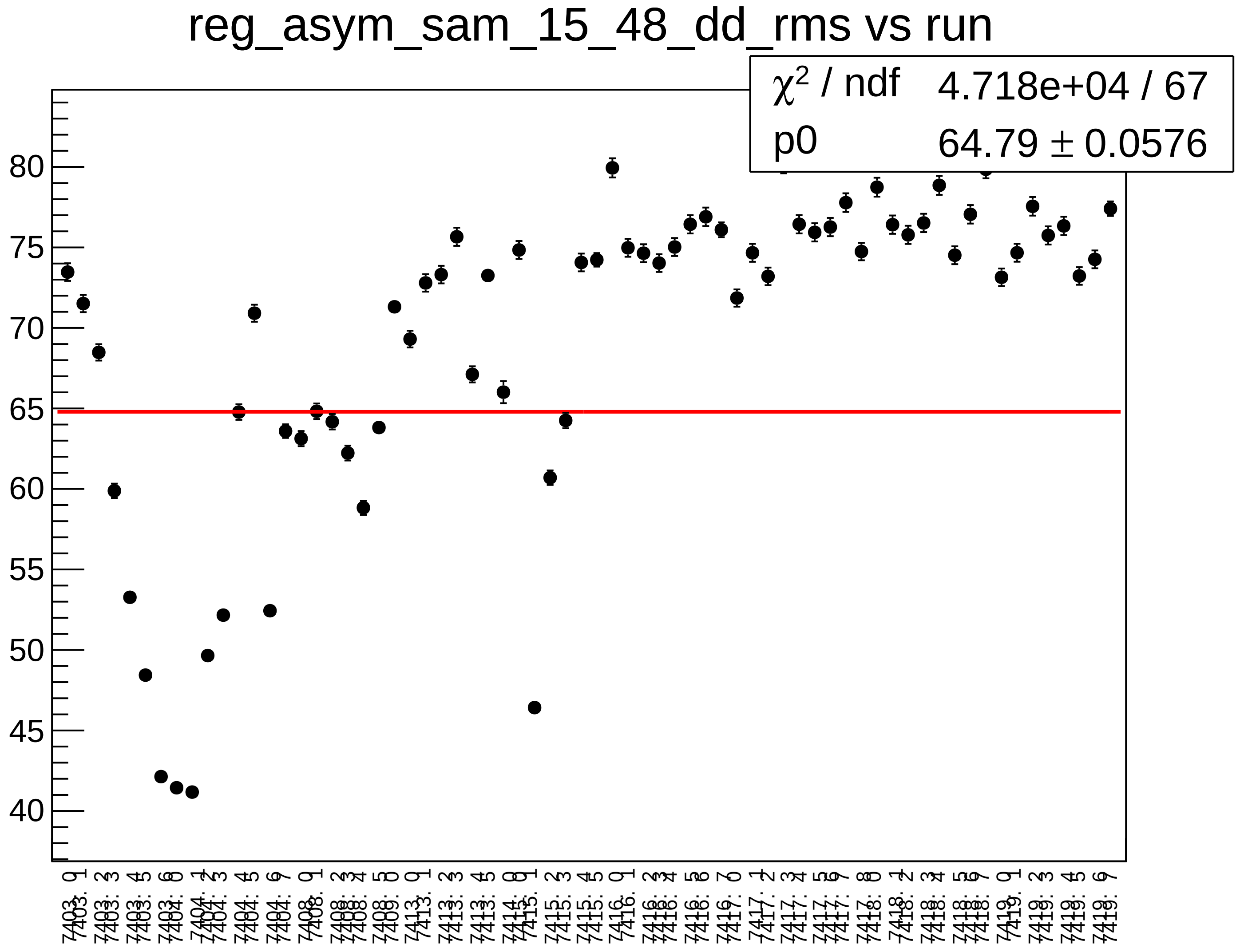
asym_sam_3726_avg_mean vs run
χ² / ndf 70.94 / 67
p0 312.1 ± 495.8
pull
Entries 68
Mean 90.75
Std Dev 53.46
pull1D
Entries 68
Mean 0.04325
Std Dev 1.02



asym_sam_3726_avg_rms vs run
χ^2 / ndf 9353 / 67
p0 400.2 ± 0.3506

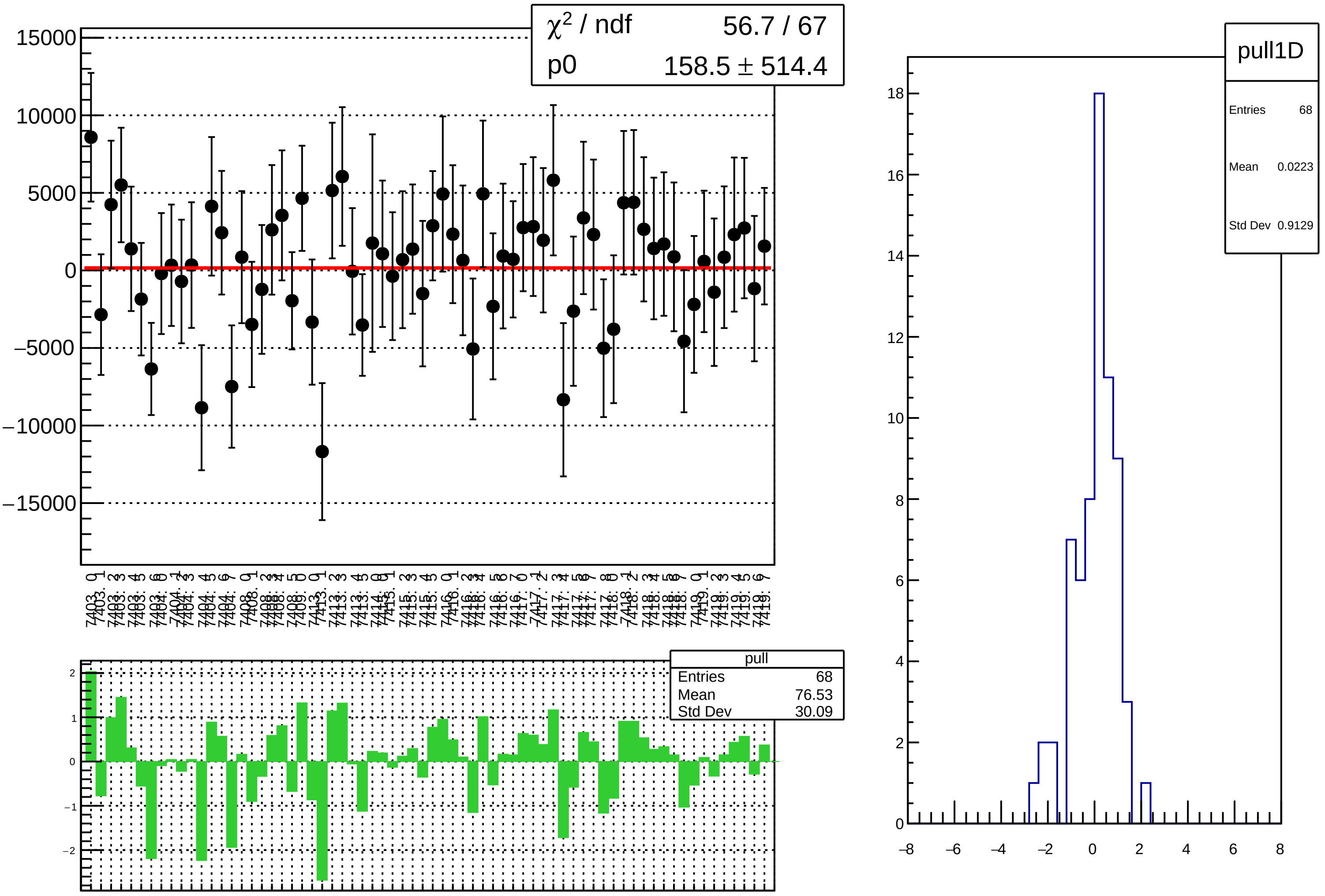


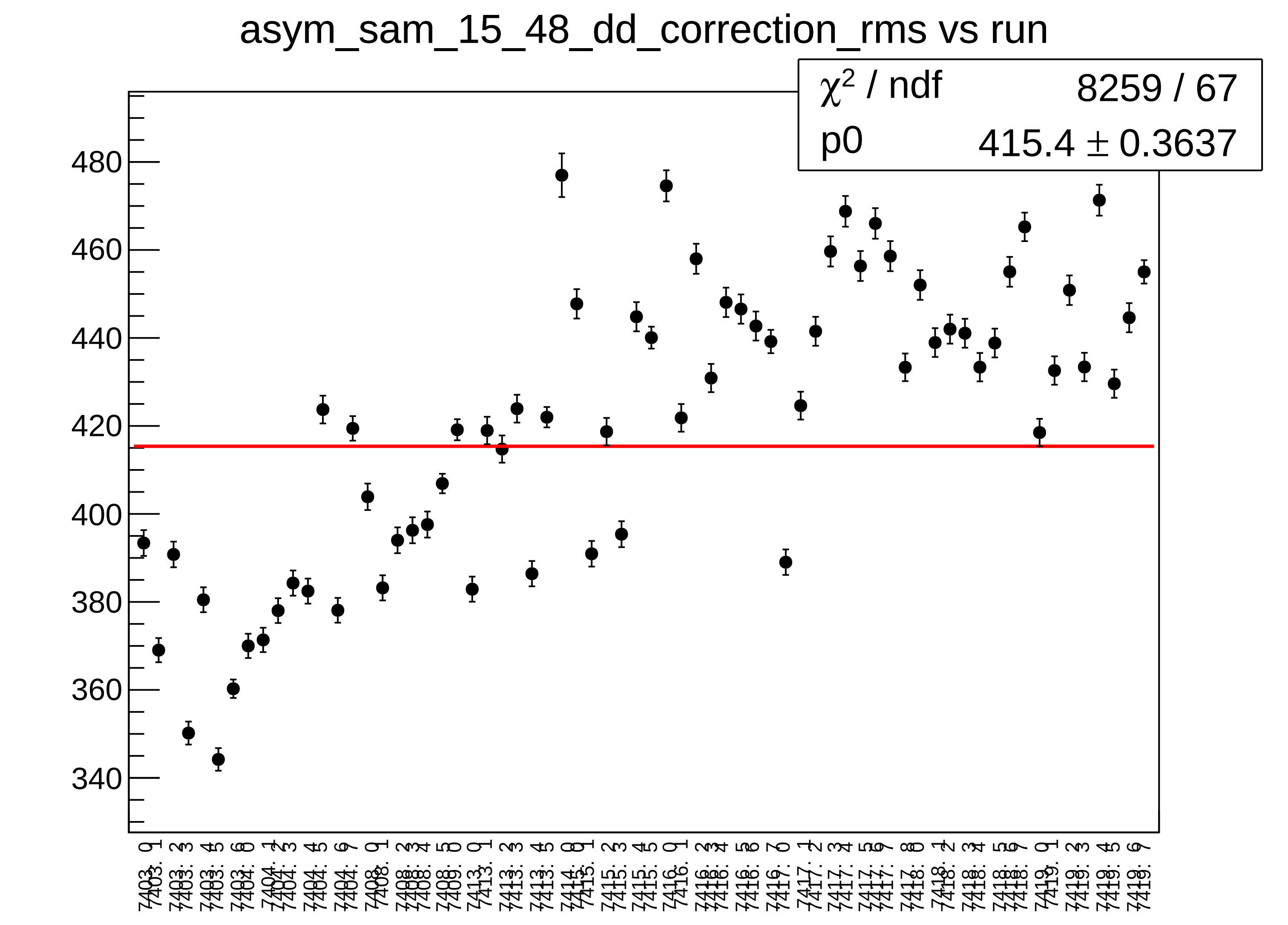
reg_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 66.82 / 67
p0 −39.29 ± 81.46
pull
Entries 68
Mean 256.7
Std Dev 194.7
pull1D
Entries 68
Mean −0.003957
Std Dev 0.9913

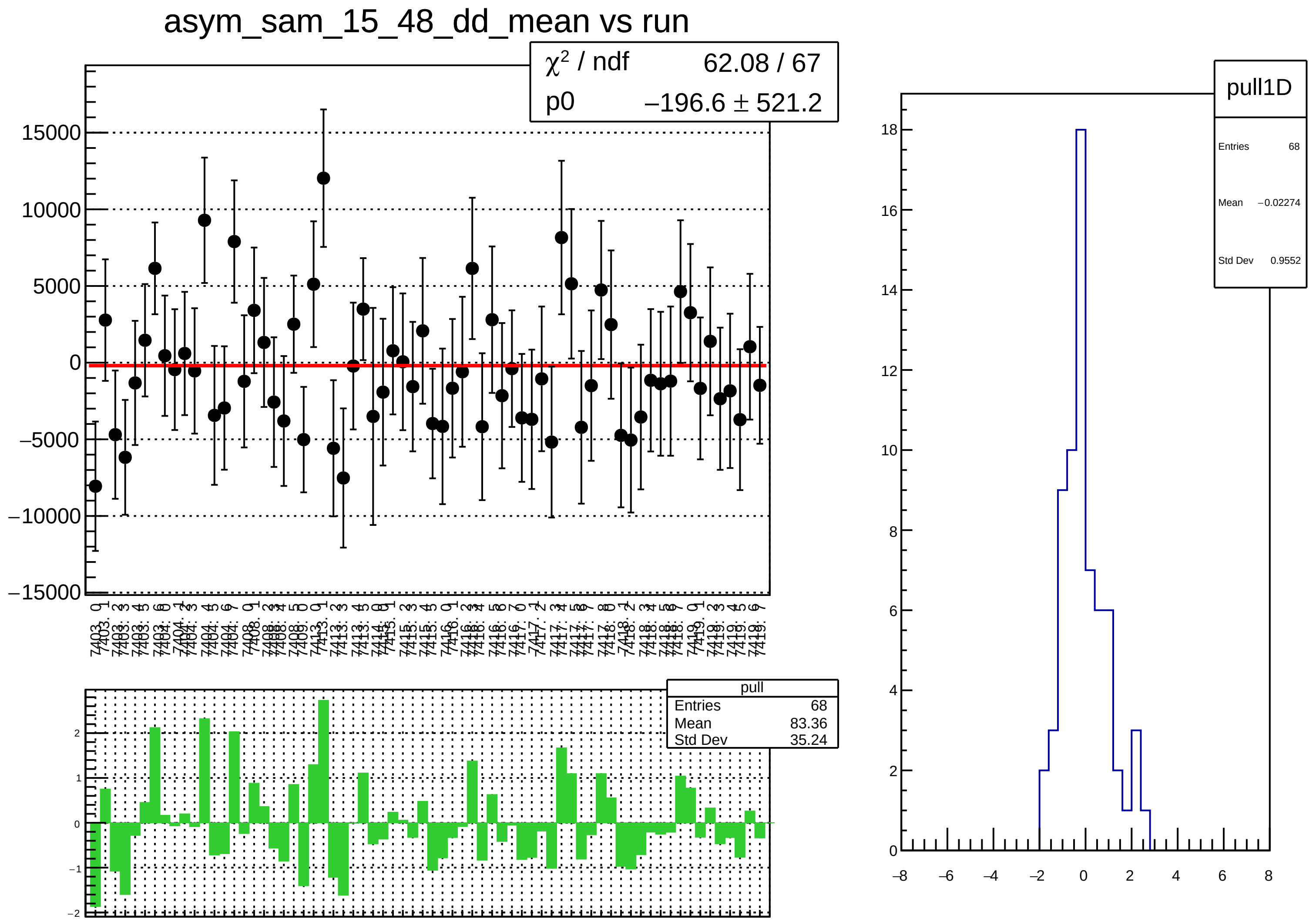


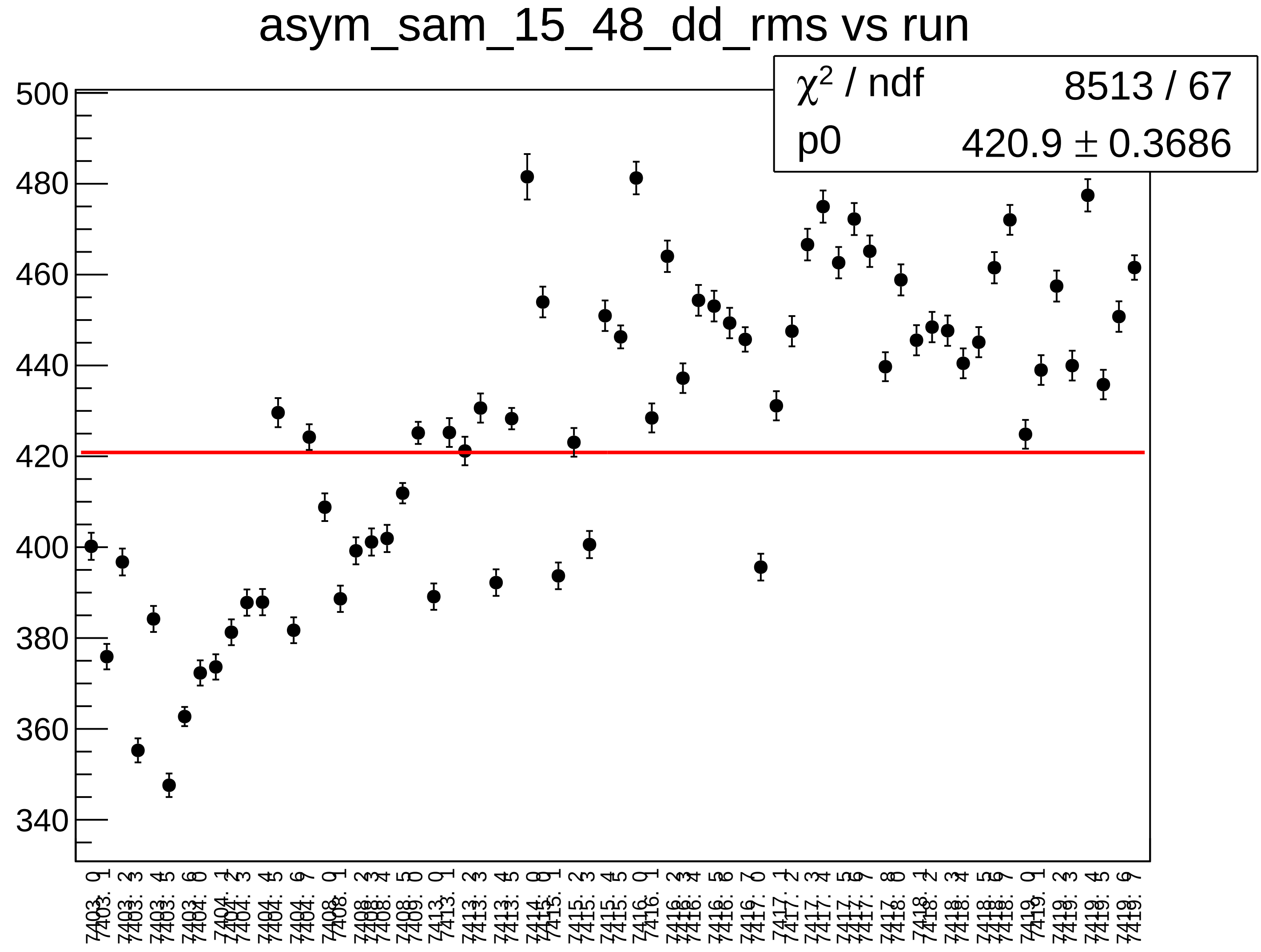
reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 4.718e+04 / 67
p0 64.79 ± 0.0576
80
75
70
65
60
55
50
45
40

asym_sam_15_48_dd_correction_mean vs run

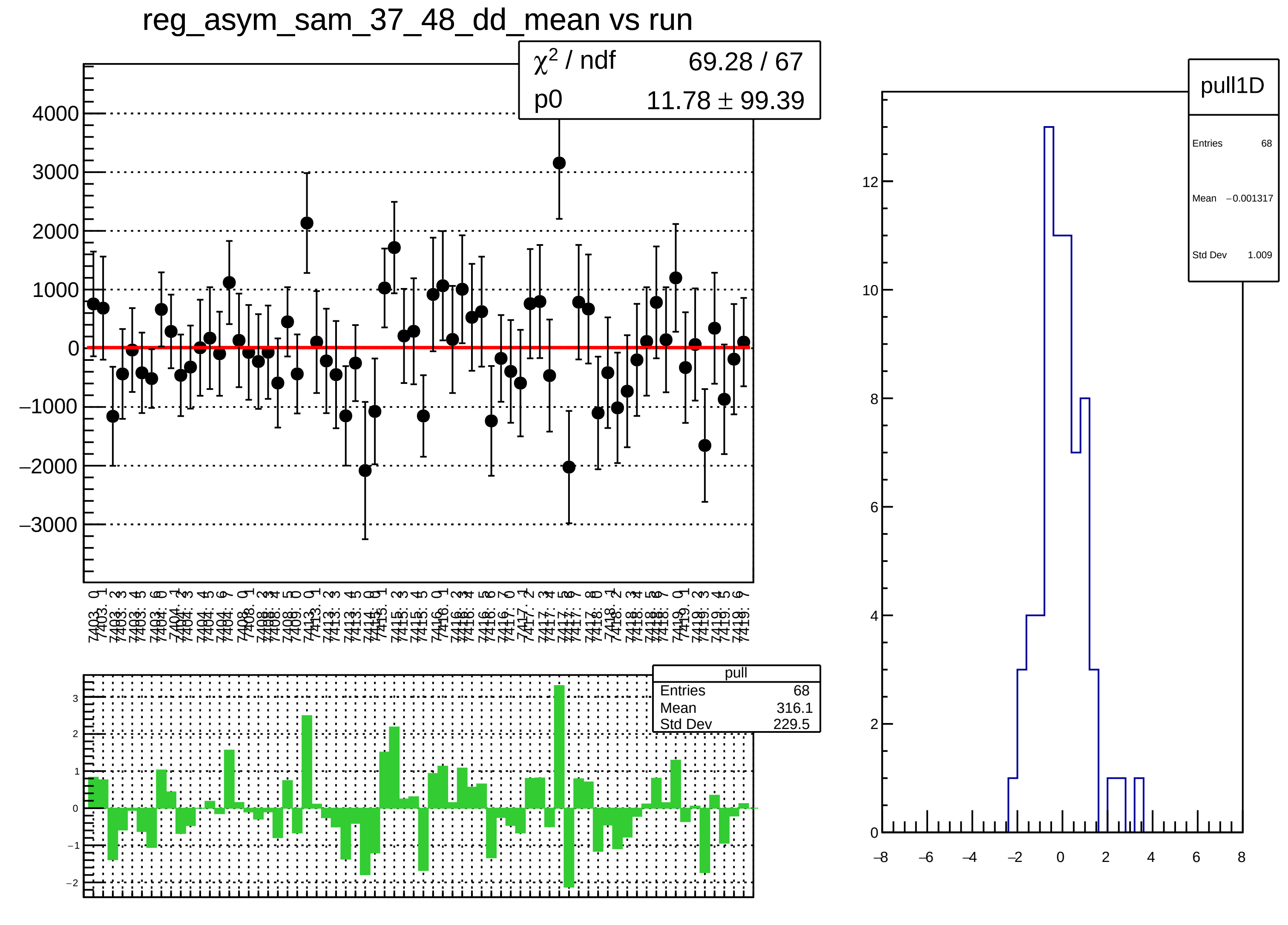



asym_sam_15_48_dd_correction_rms vs run
χ2 / ndf 8259 / 67
p0 415.4 ± 0.3637
480
460
440
420
400
380
360
340

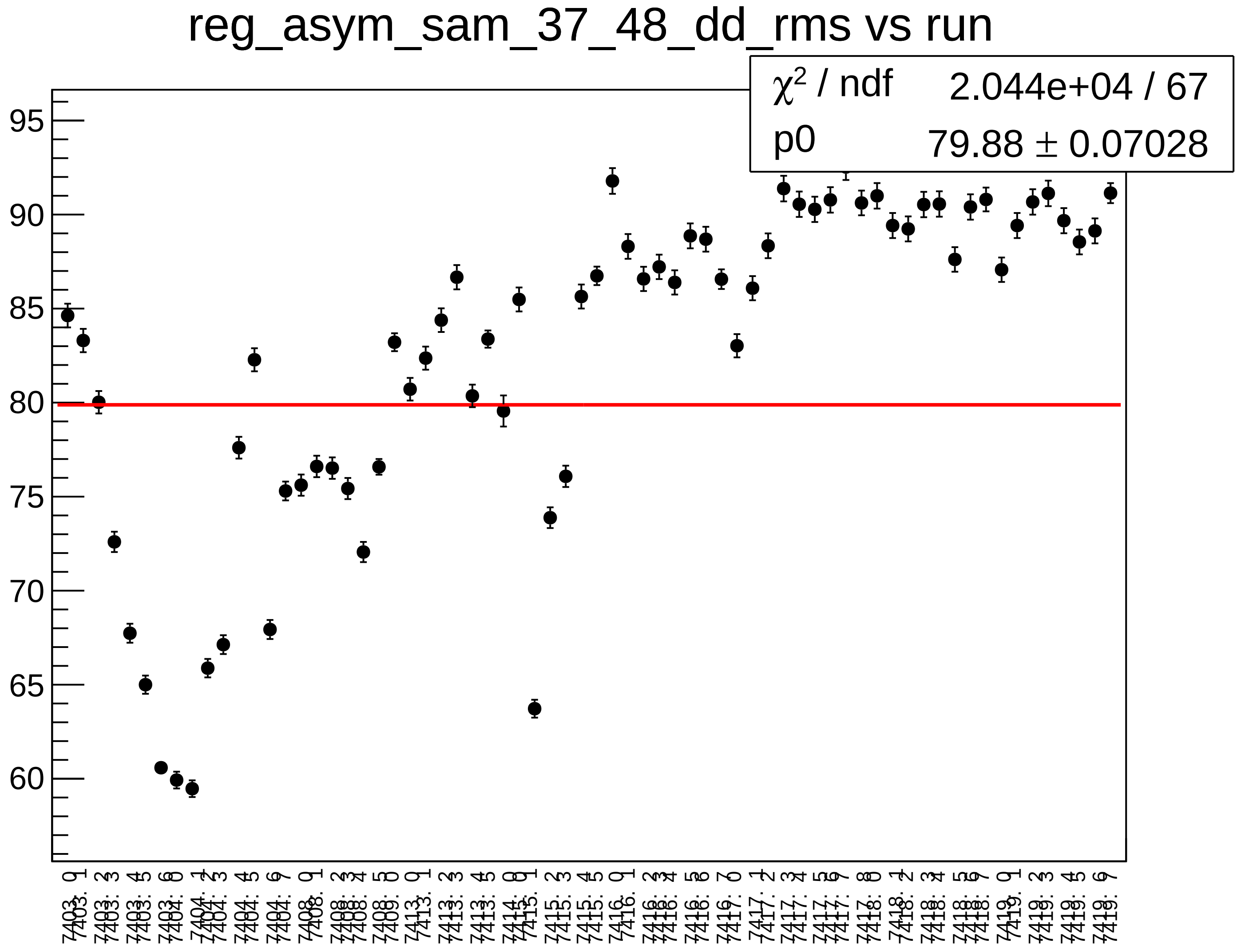

asym_sam_15_48_dd_mean vs run
χ^2 / ndf 62.08 / 67
p0 −196.6 ± 521.2
pull
Entries 68
Mean 83.36
Std Dev 35.24
pull1D
Entries 68
Mean −0.02274
Std Dev 0.9552



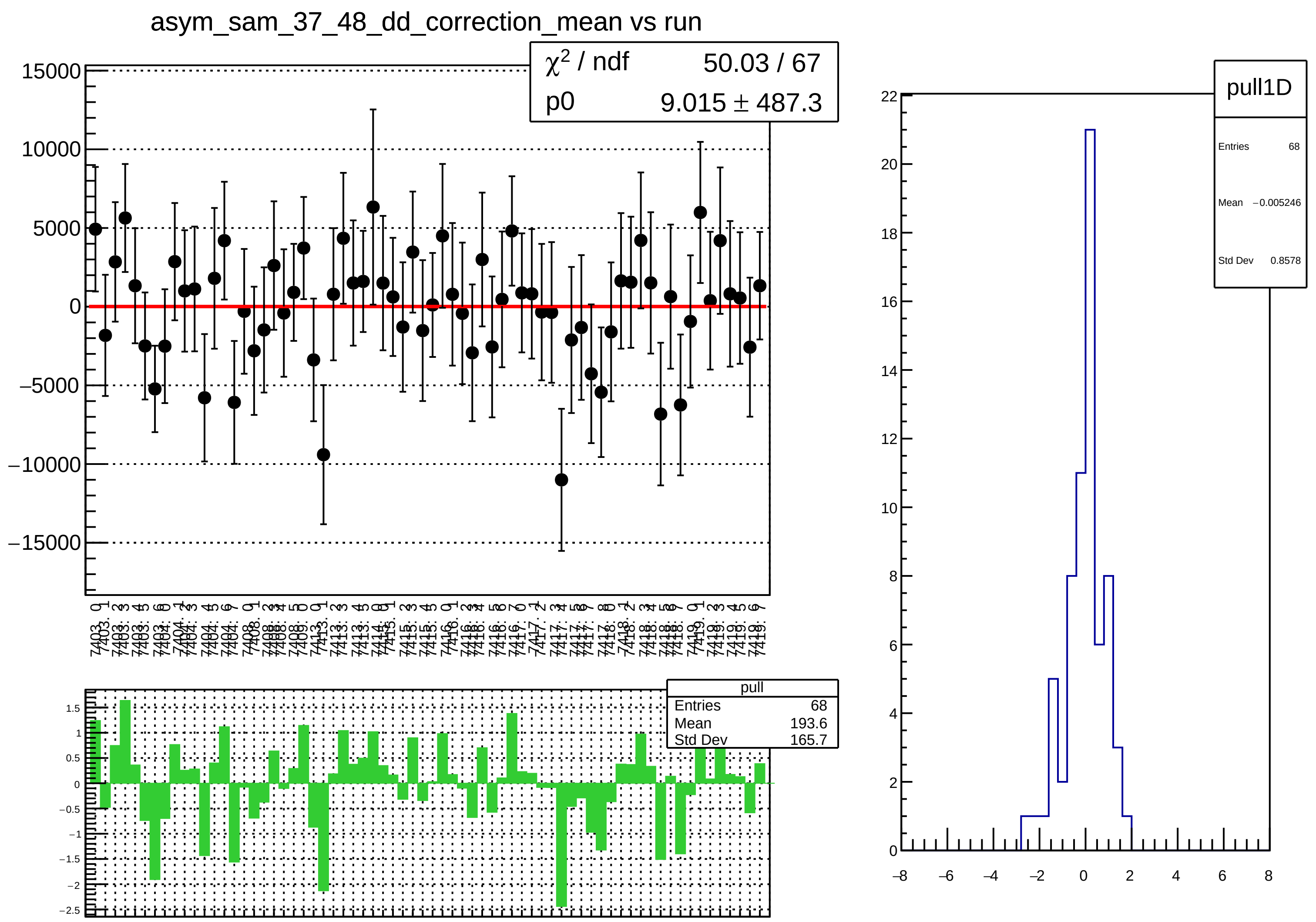
asym_sam_15_48_dd_rms vs run
χ^2 / ndf 8513 / 67
p0 420.9 ± 0.3686
500
480
460
440
420
400
380
360
340

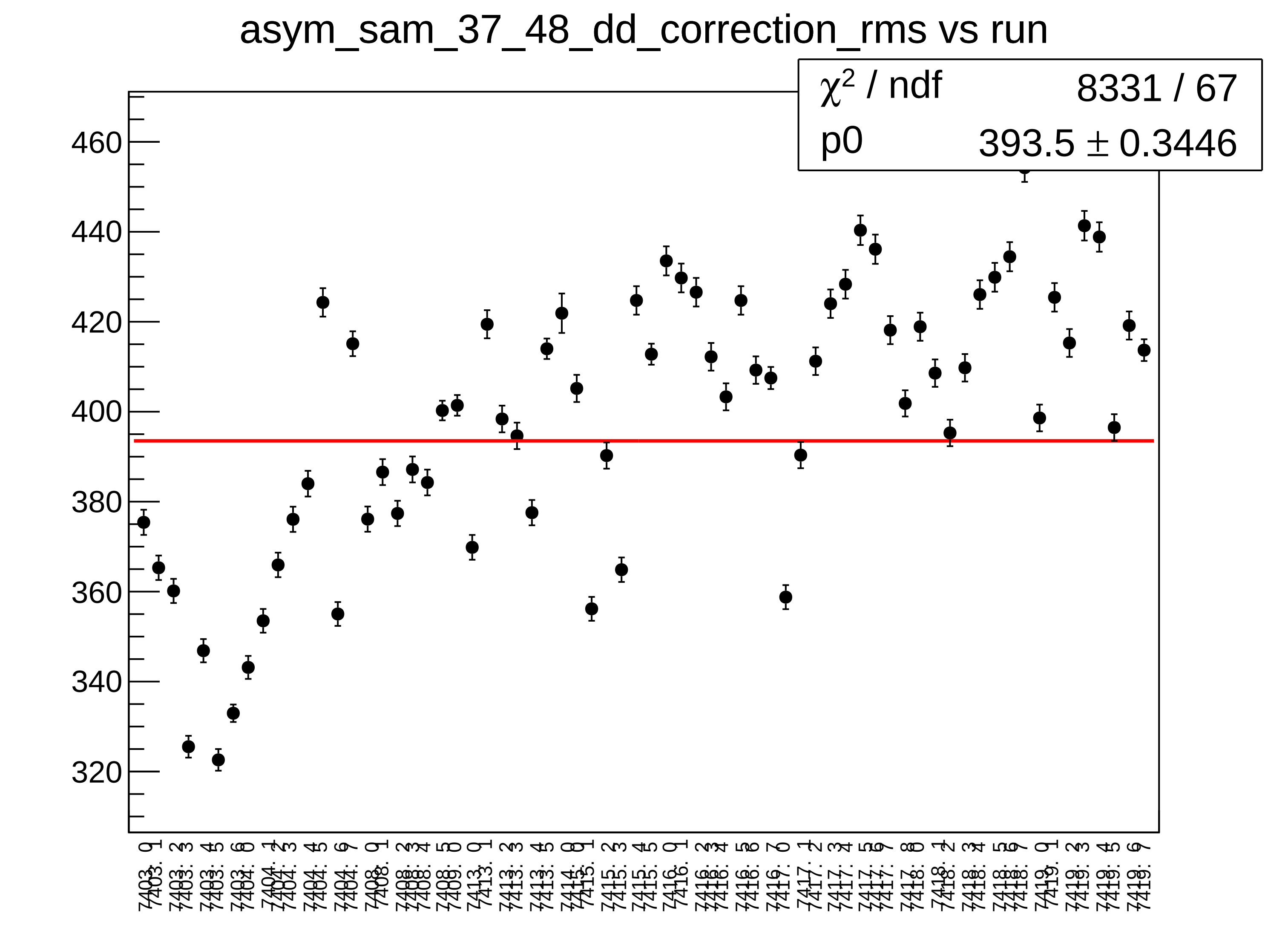


reg_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 69.28 / 67
p0 11.78 ± 99.39
pull
Entries 68
Mean 316.1
Std Dev 229.5
pull1D
Entries 68
Mean −0.001317
Std Dev 1.009

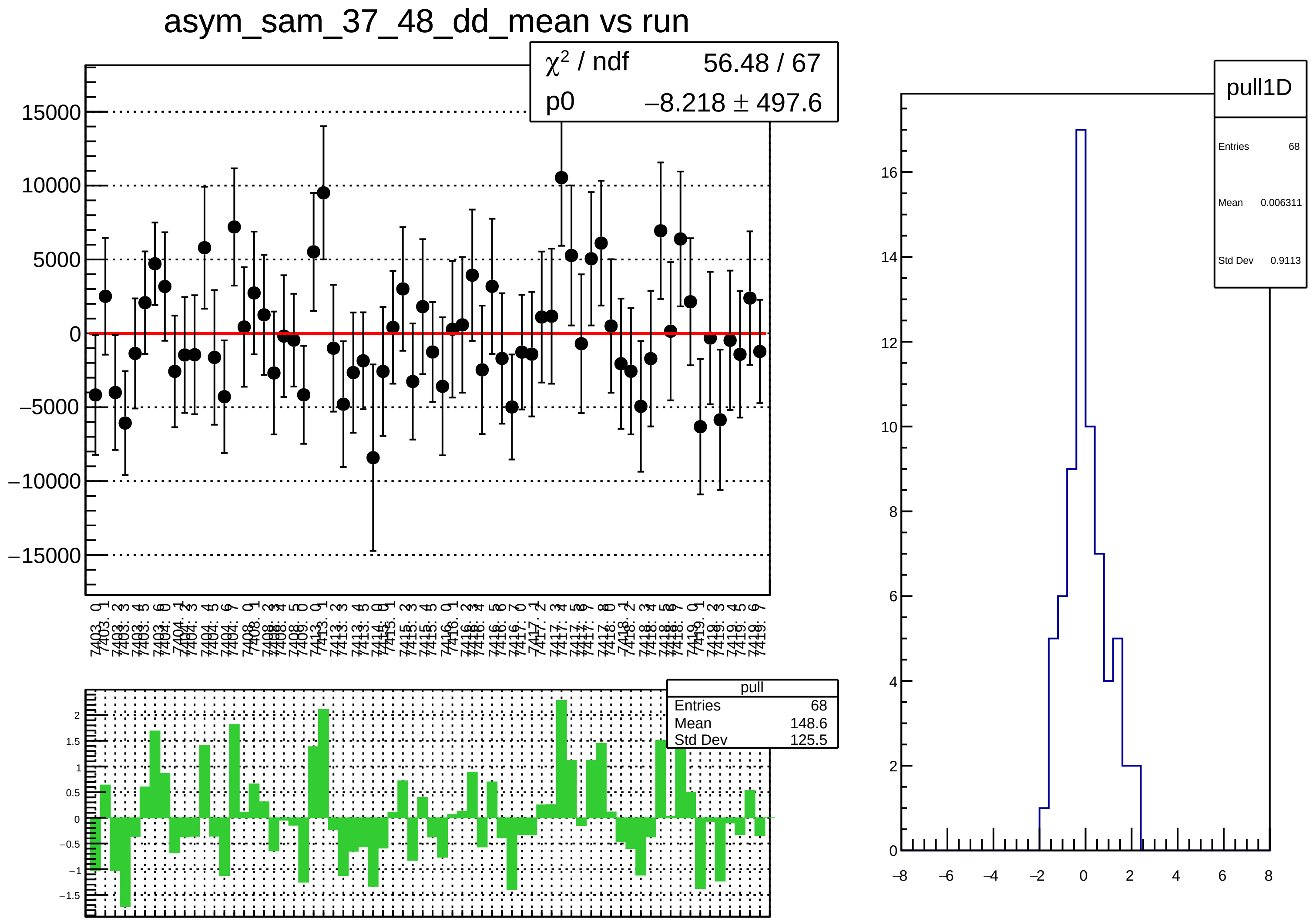


reg_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2.044e+04 / 67
p0 79.88 ± 0.07028
95
90
85
80
75
70
65
60

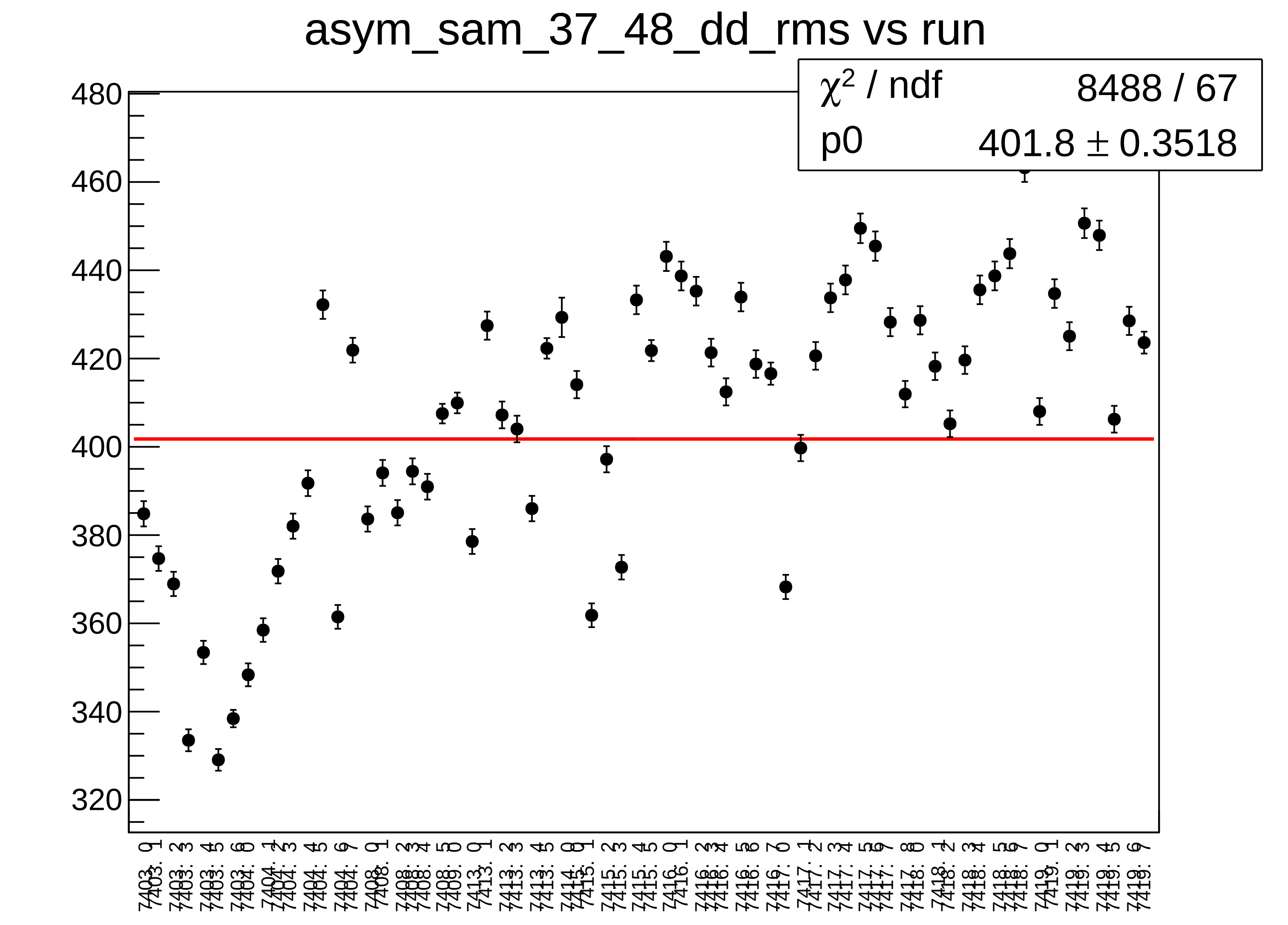

asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 50.03 / 67
p0 9.015 ± 487.3
pull
Entries 68
Mean 193.6
Std Dev 165.7
pull1D
Entries 68
Mean −0.005246
Std Dev 0.8578

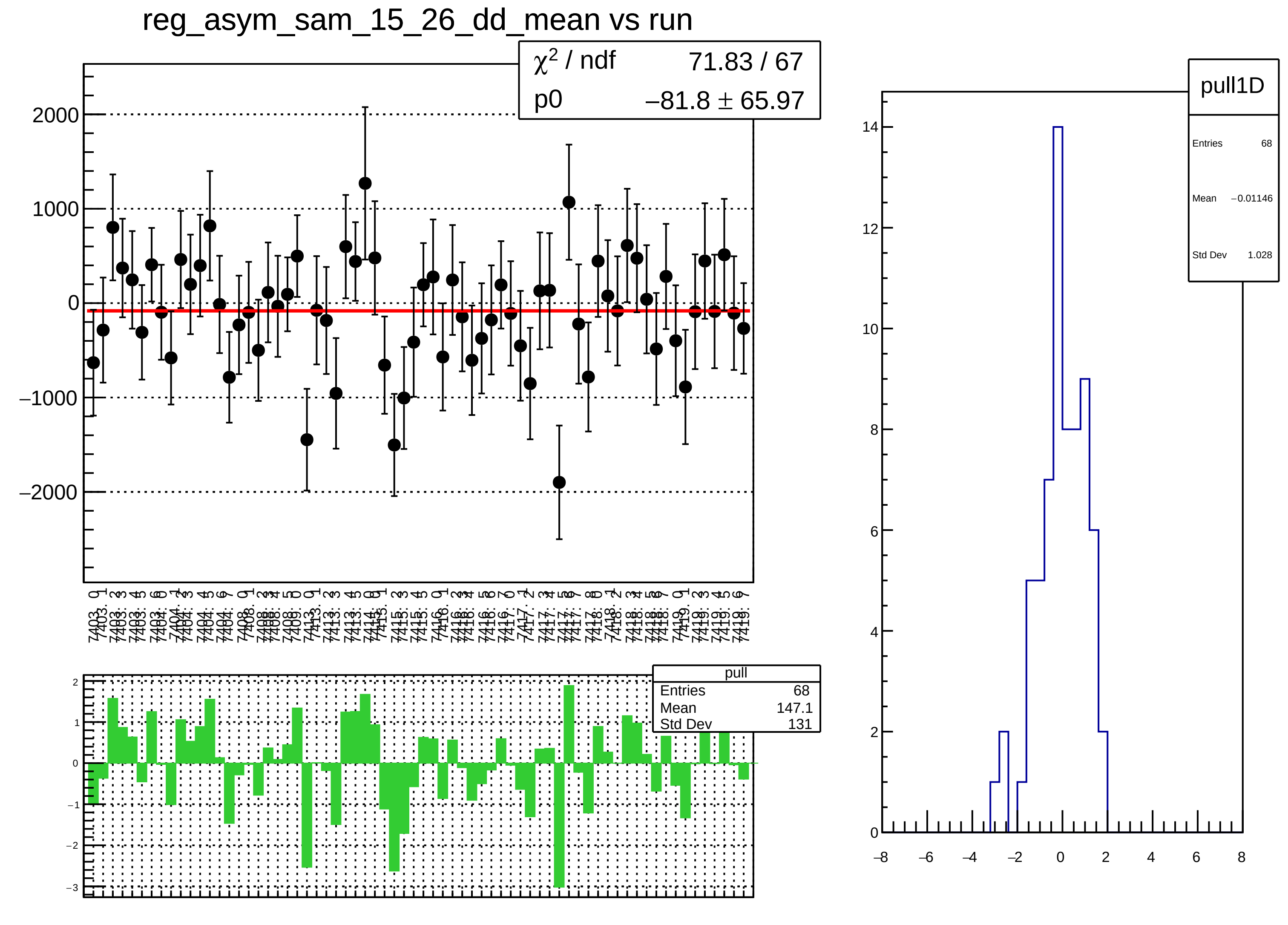


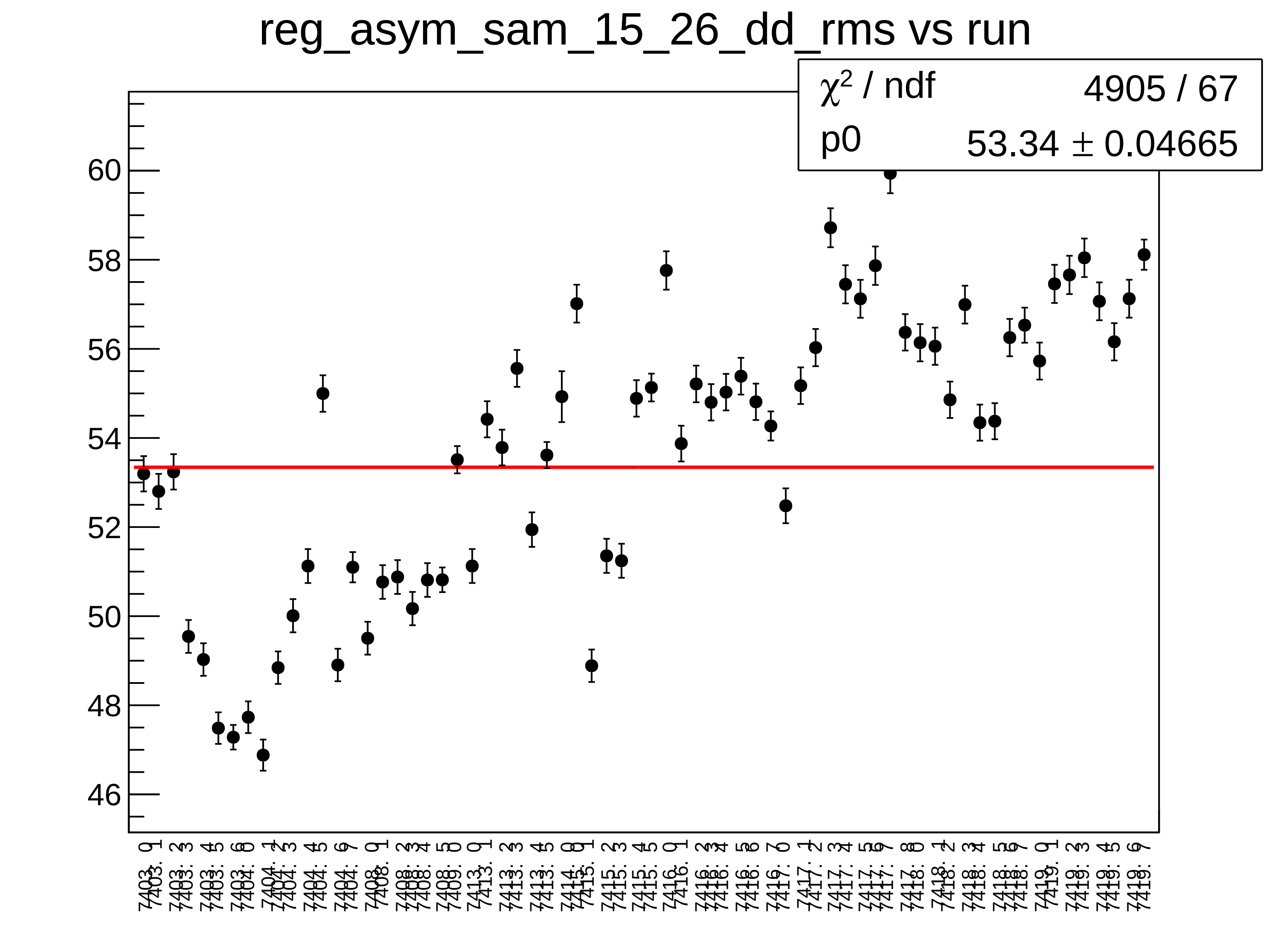
asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 8331 / 67
p0 393.5 ± 0.3446
460
440
420
400
380
360
340
320

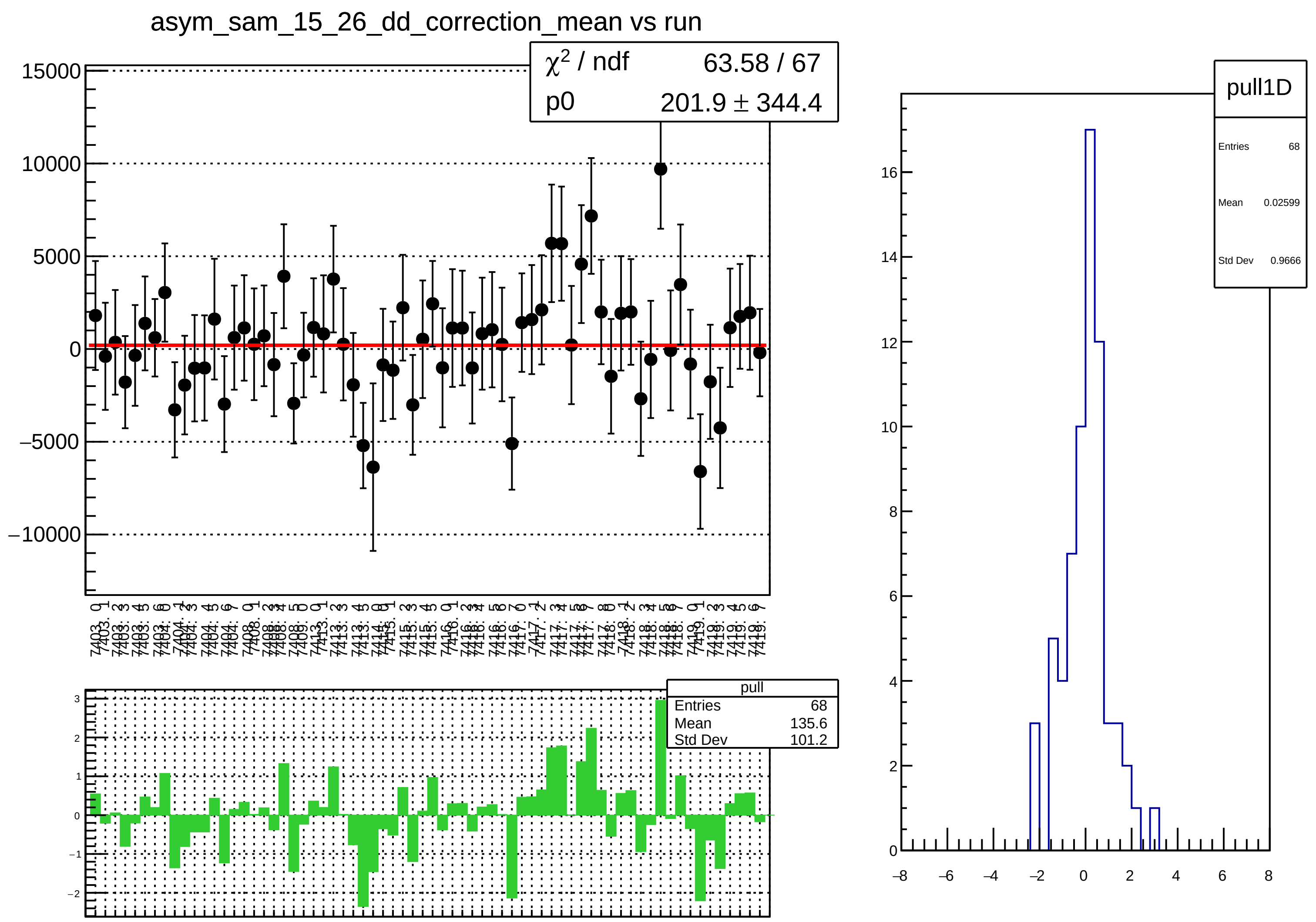


asym_sam_37_48_dd_mean vs run
χ2 / ndf 56.48 / 67
p0 −8.218 ± 497.6
pull
Entries 68
Mean 148.6
Std Dev 125.5
pull1D
Entries 68
Mean 0.006311
Std Dev 0.9113

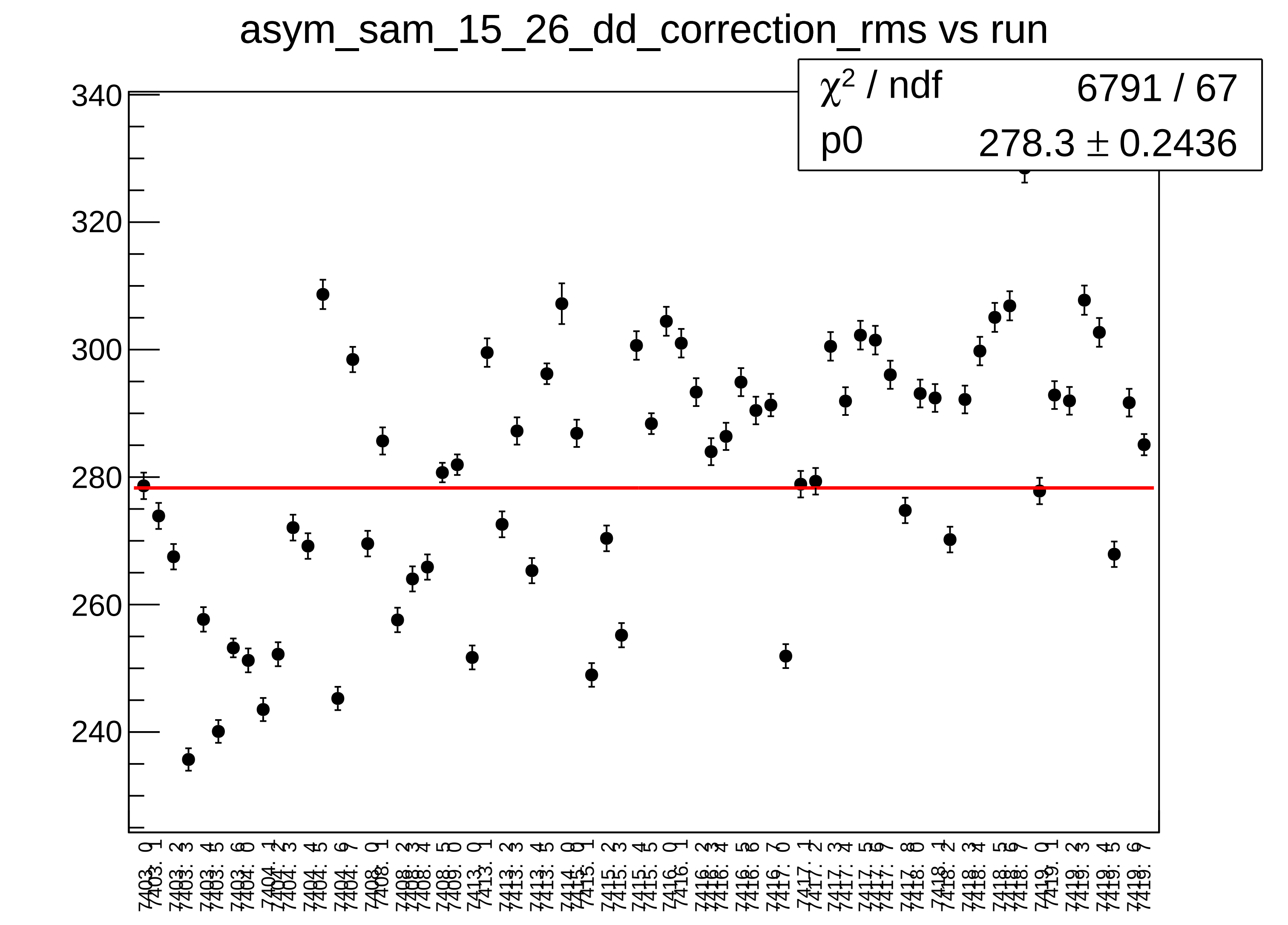

asym_sam_37_48_dd_rms vs run
χ2 / ndf 8488 / 67
p0 401.8 ± 0.3518
480
460
440
420
400
380
360
340
320


reg_asym_sam_15_26_dd_mean vs run
χ2 / ndf 71.83 / 67
p0 −81.8 ± 65.97
pull
Entries 68
Mean 147.1
Std Dev 131
pull1D
Entries 68
Mean −0.01146
Std Dev 1.028

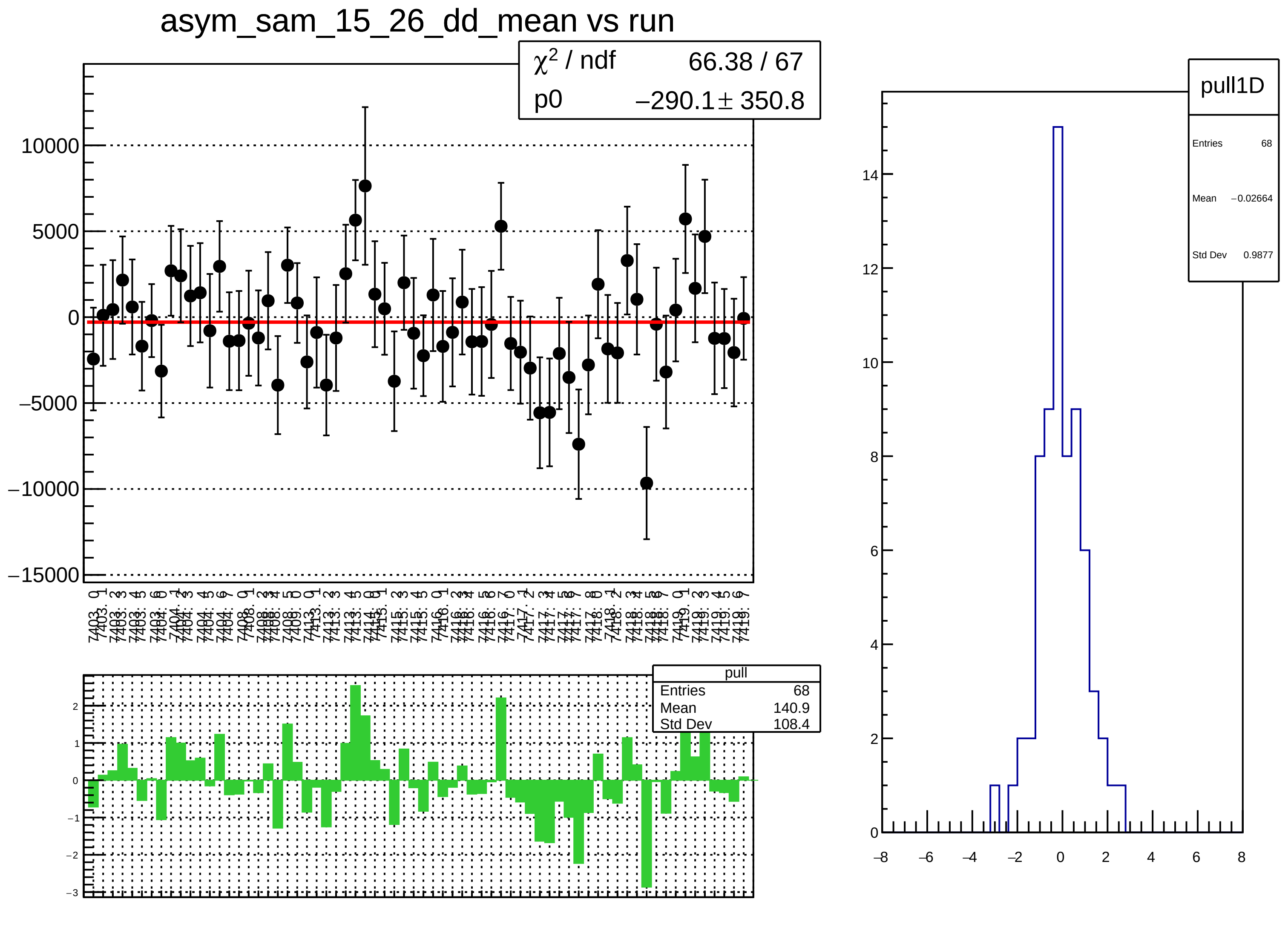

reg_asym_sam_15_26_dd_rms vs run
χ2 / ndf 4905 / 67
p0 53.34 ± 0.04665



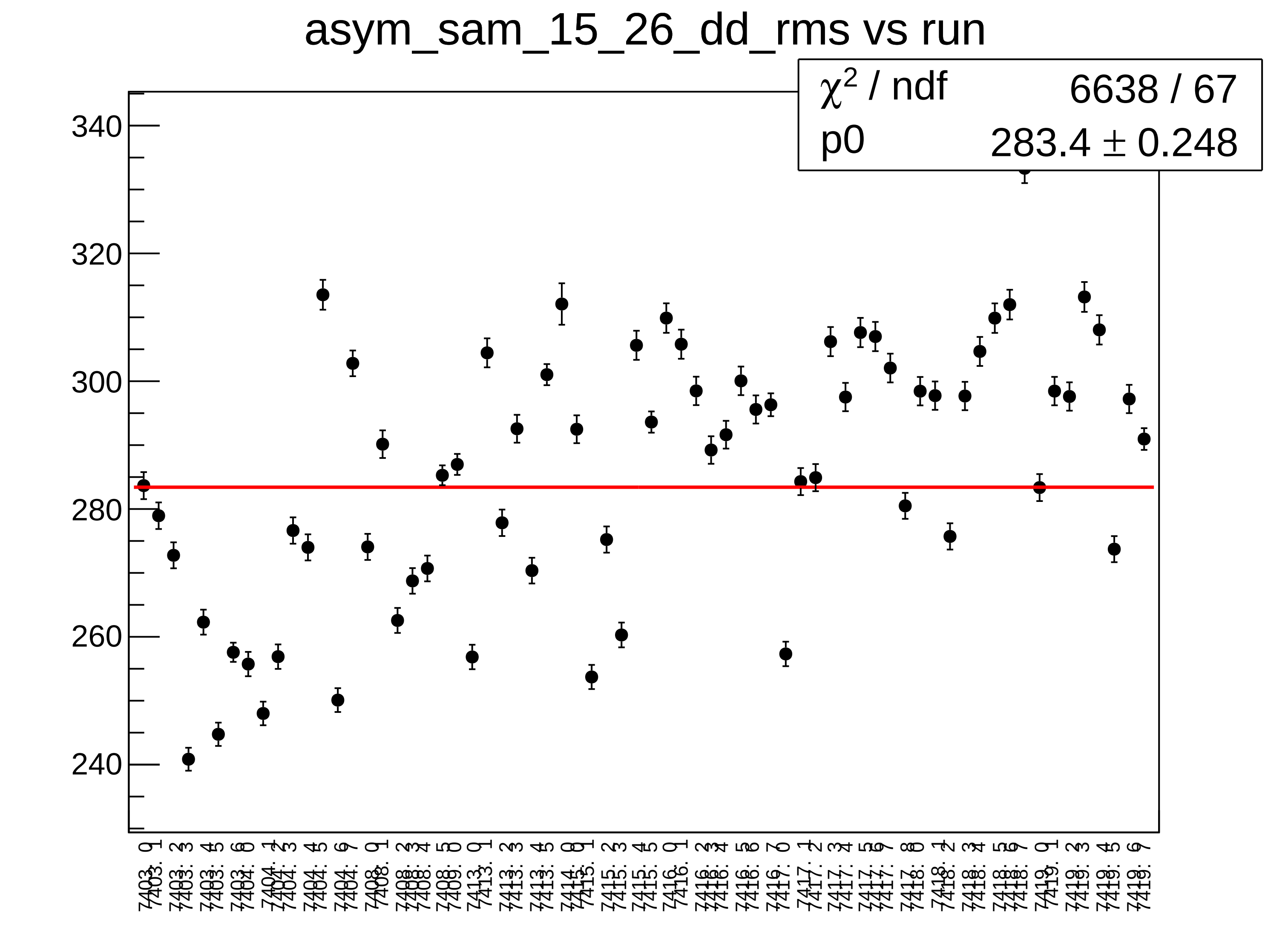
asym_sam_15_26_dd_correction_mean vs run
χ2 / ndf 63.58 / 67
p0 201.9 ± 344.4
pull
Entries 68
Mean 135.6
Std Dev 101.2
pull1D
Entries 68
Mean 0.02599
Std Dev 0.9666

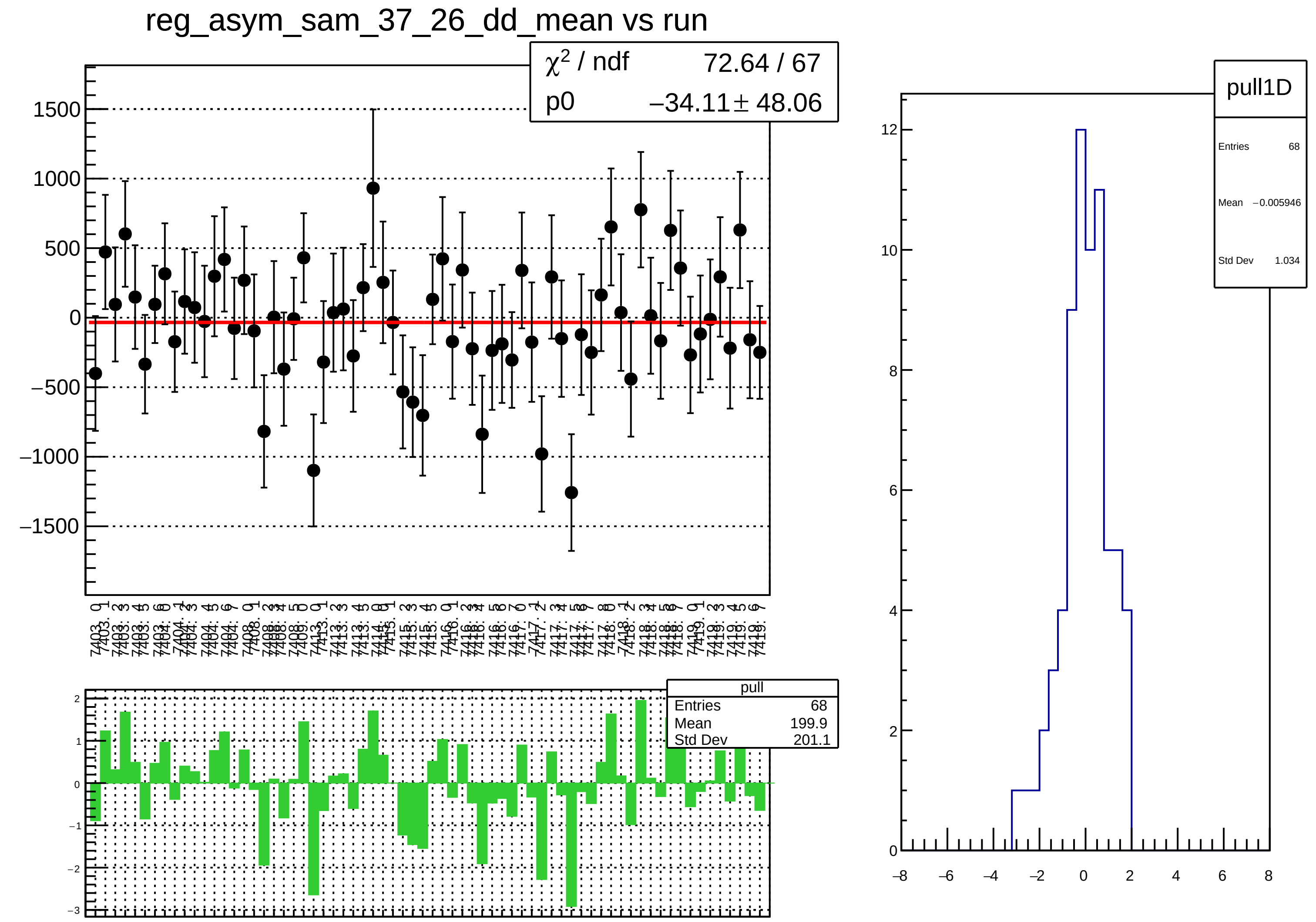


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 6791 / 67
p0 278.3 ± 0.2436
340
320
300
280
260
240

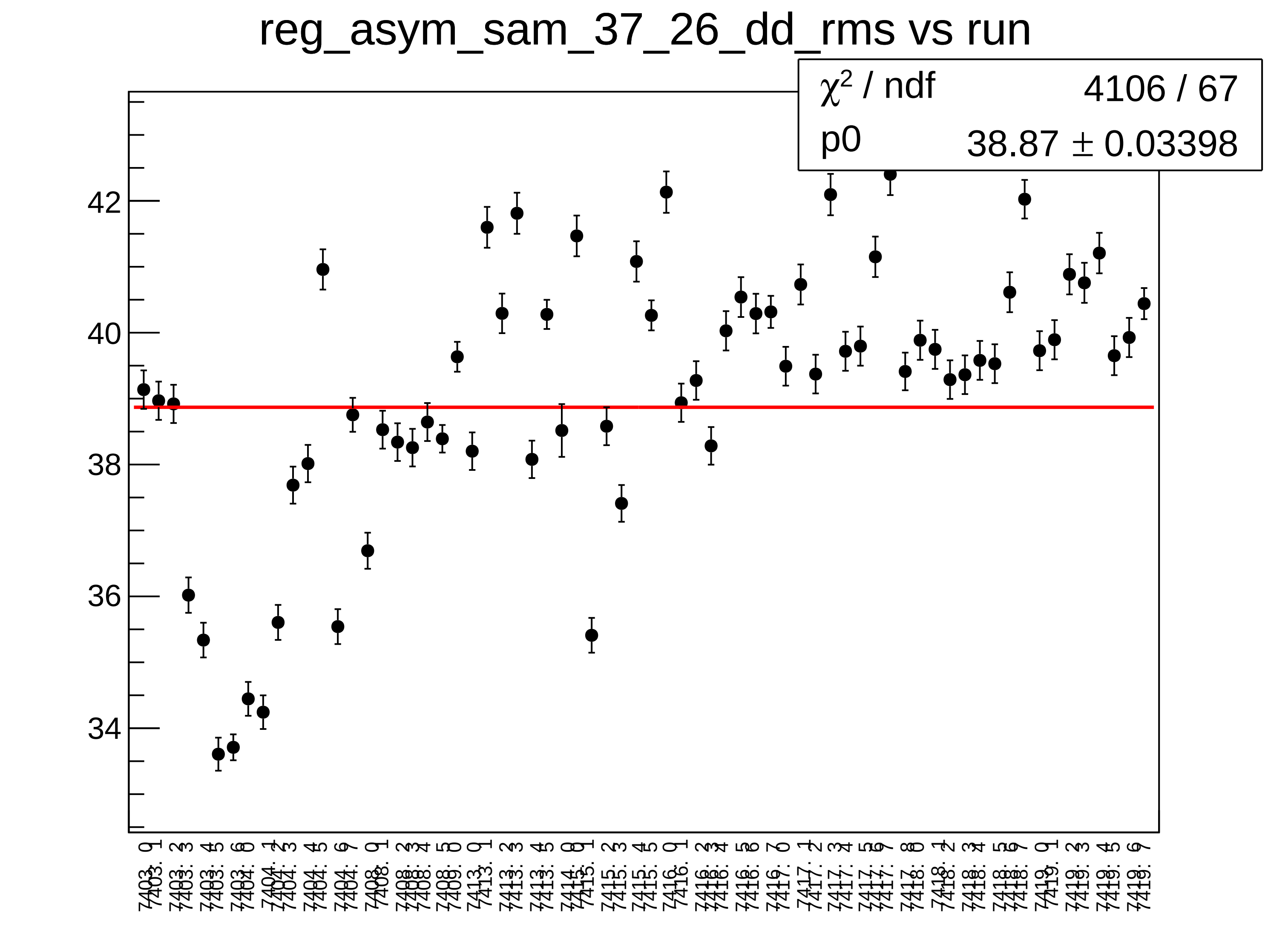


asym_sam_15_26_dd_mean vs run
χ^2 / ndf 66.38 / 67
p0 −290.1 ± 350.8
pull
Entries 68
Mean 140.9
Std Dev 108.4
pull1D
Entries 68
Mean −0.02664
Std Dev 0.9877

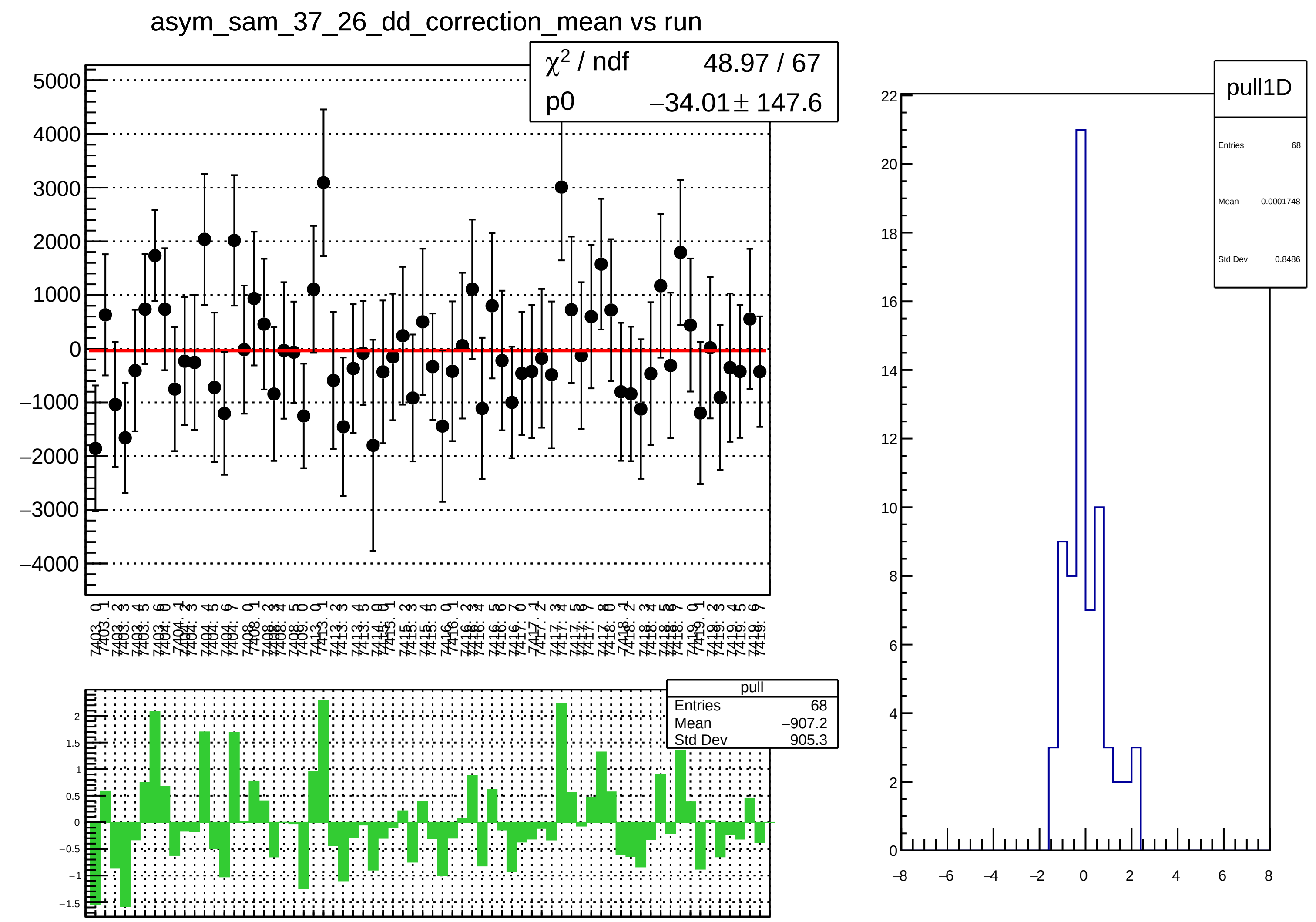

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 6638 / 67
p0 283.4 ± 0.248
340
320
300
280
260
240

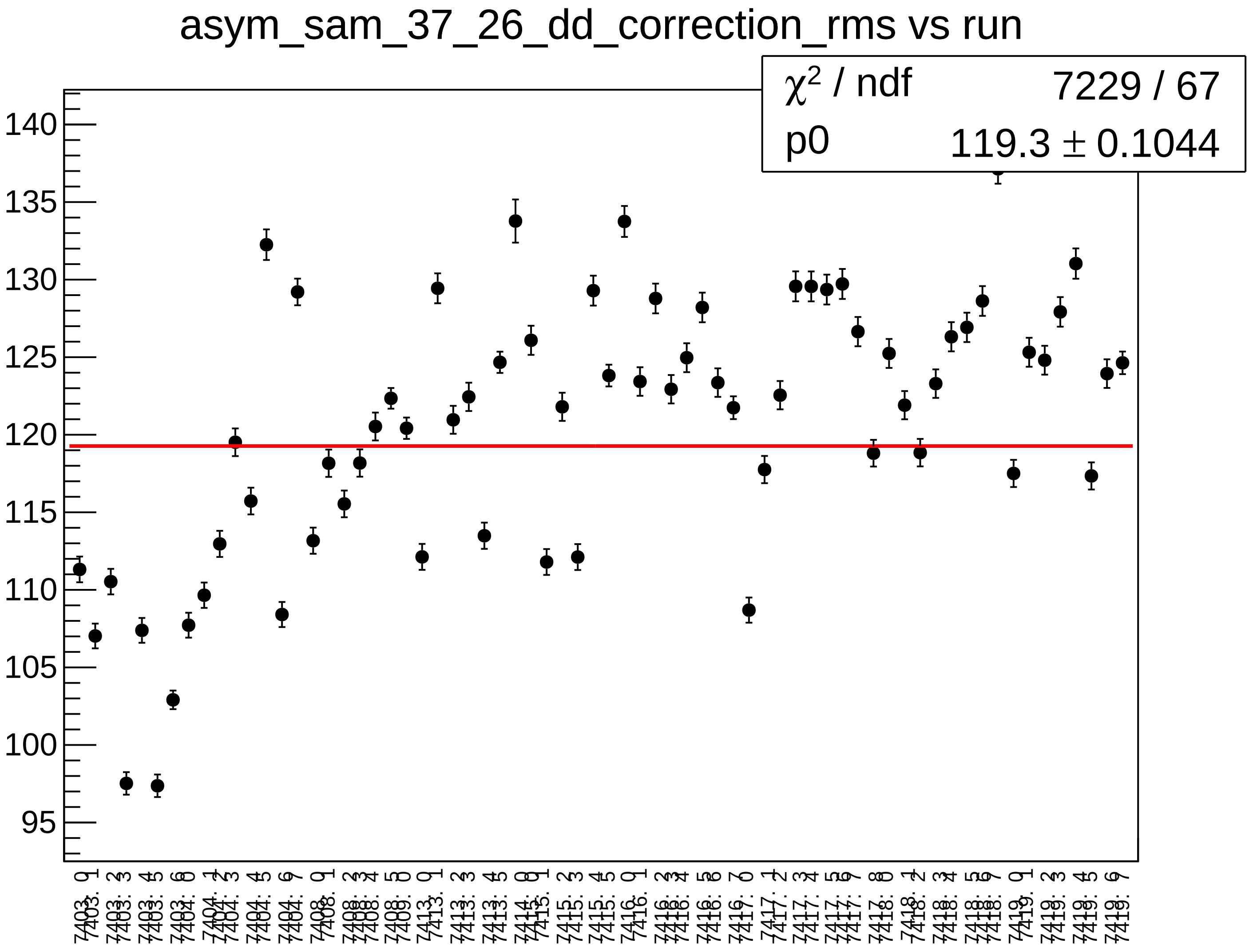


reg_asym_sam_37_26_dd_mean vs run
χ2 / ndf 72.64 / 67
p0 −34.11 ± 48.06
1500
1000
500
0
−500
−1000
−1500
pull
Entries 68
Mean 199.9
Std Dev 201.1
2
1
0
−1
−2
−3
pull1D
Entries 68
Mean −0.005946
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

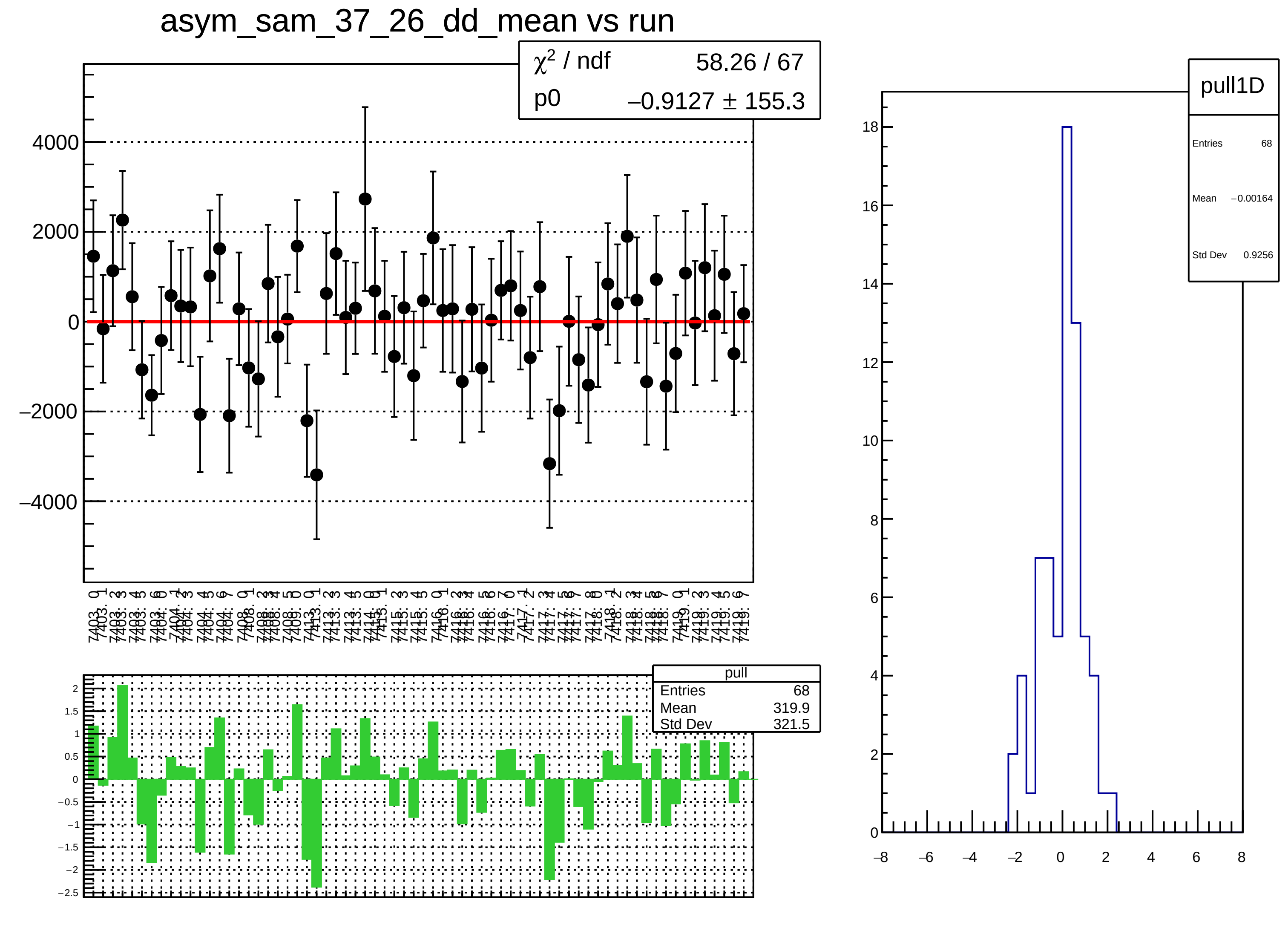


reg_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 4106 / 67
p0 38.87 ± 0.03398

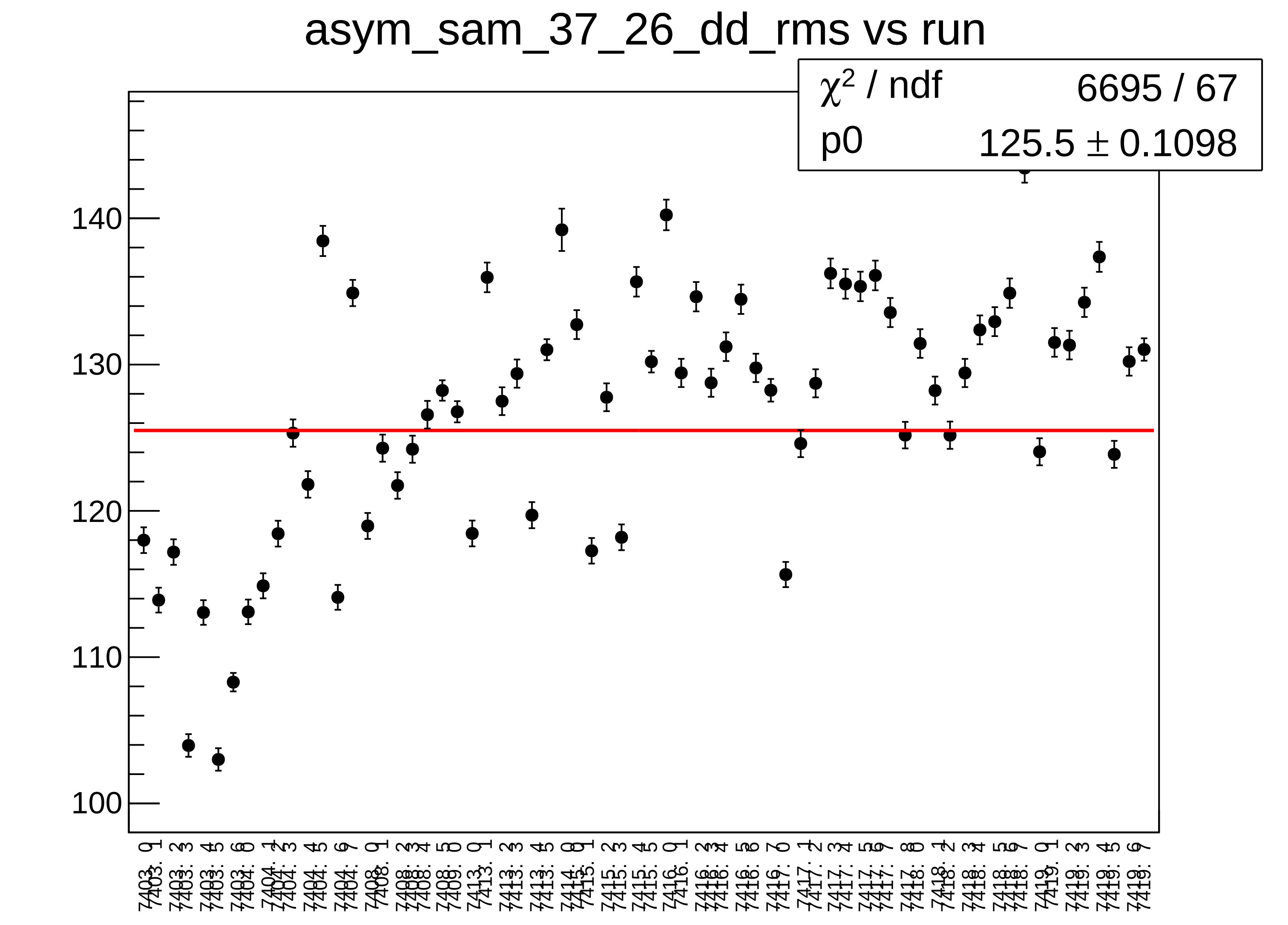

asym_sam_37_26_dd_correction_mean vs run
χ2 / ndf 48.97 / 67
p0 −34.01 ± 147.6
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 68
Mean −907.2
Std Dev 905.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 68
Mean −0.0001748
Std Dev 0.8486
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

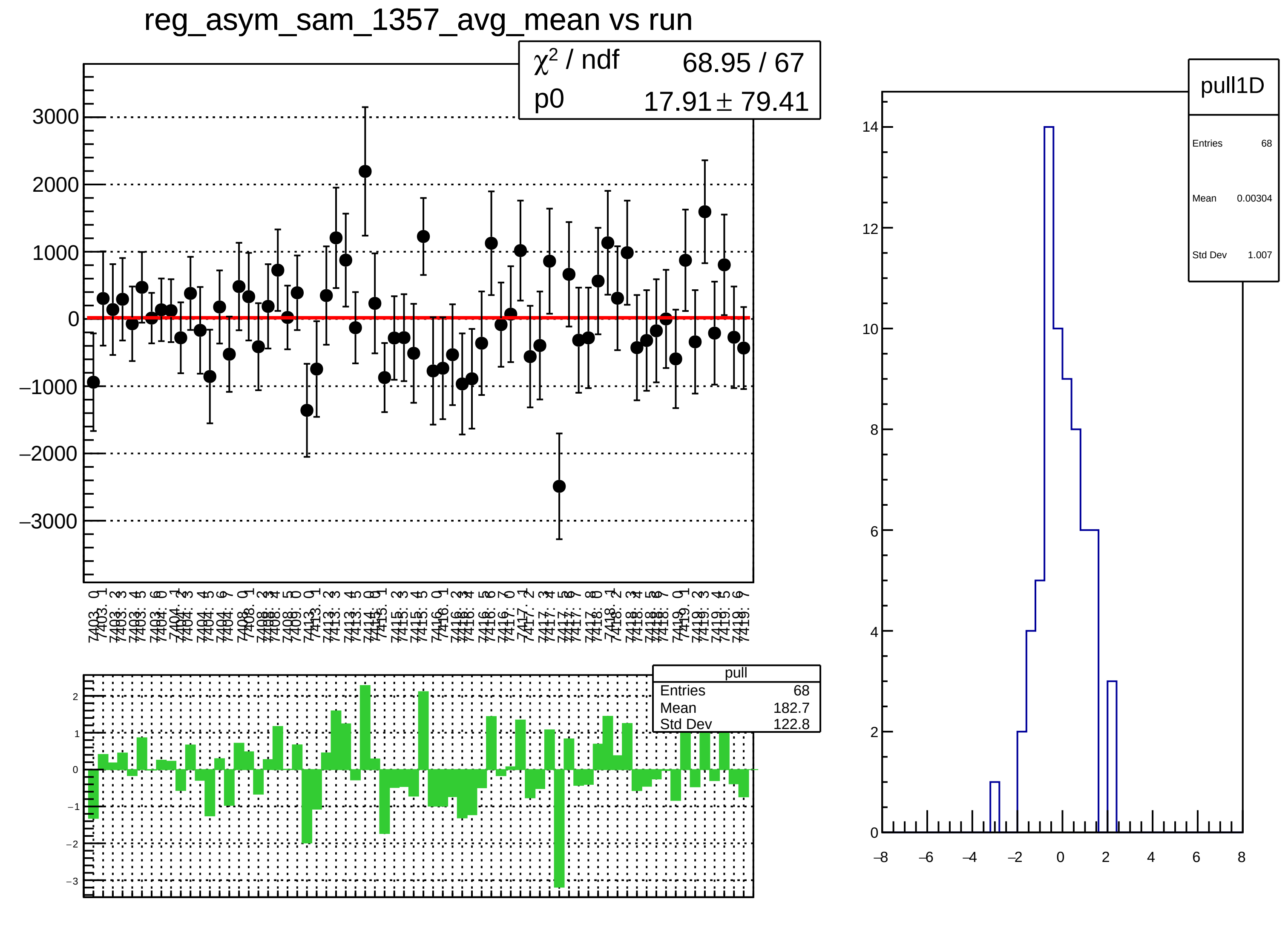


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 7229 / 67
p0 119.3 ± 0.1044
140
135
130
125
120
115
110
105
100
95

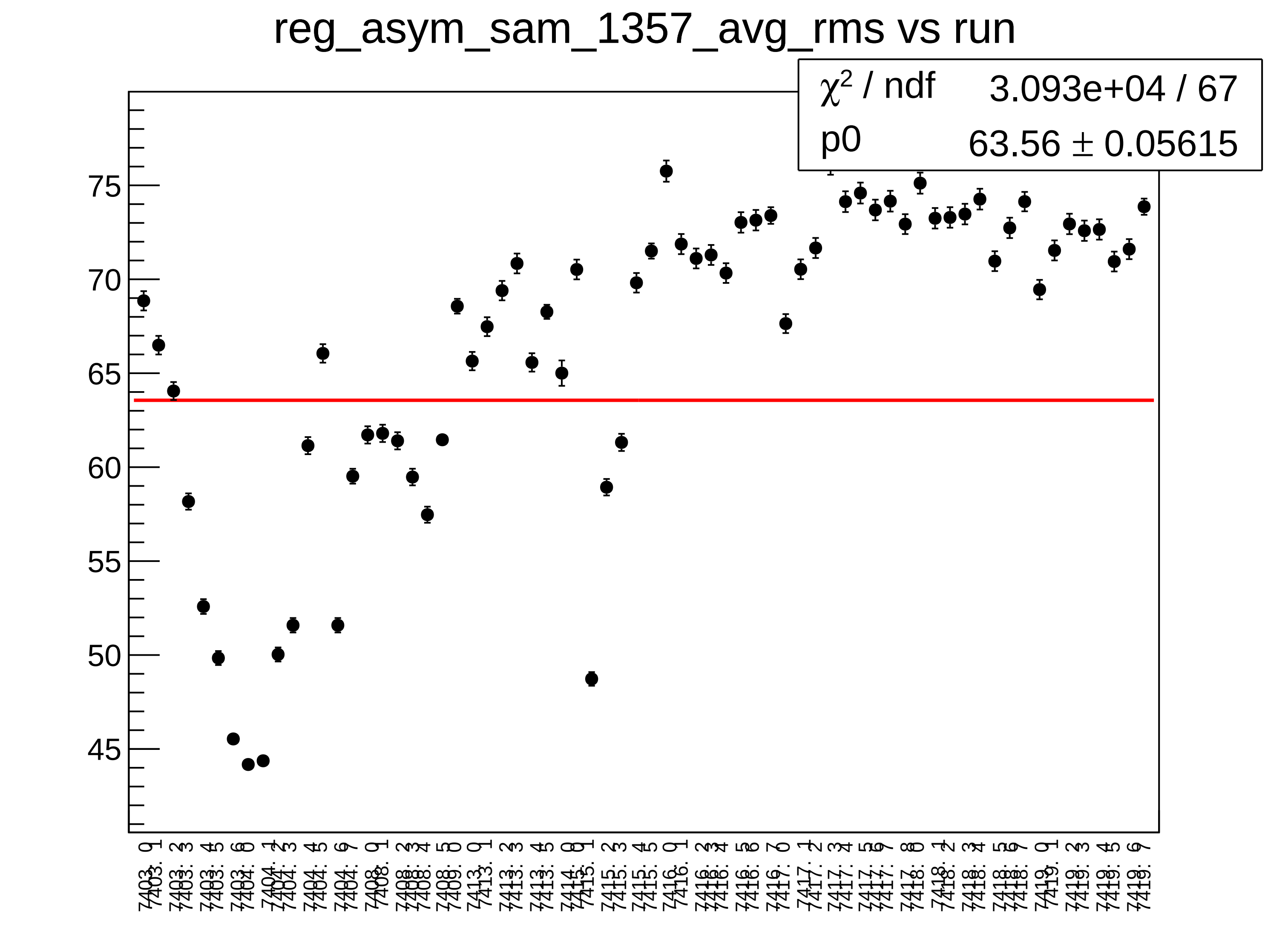


asym_sam_37_26_dd_mean vs run
χ^2 / ndf 58.26 / 67
p0 −0.9127 ± 155.3
pull
Entries 68
Mean 319.9
Std Dev 321.5
pull1D
Entries 68
Mean −0.00164
Std Dev 0.9256

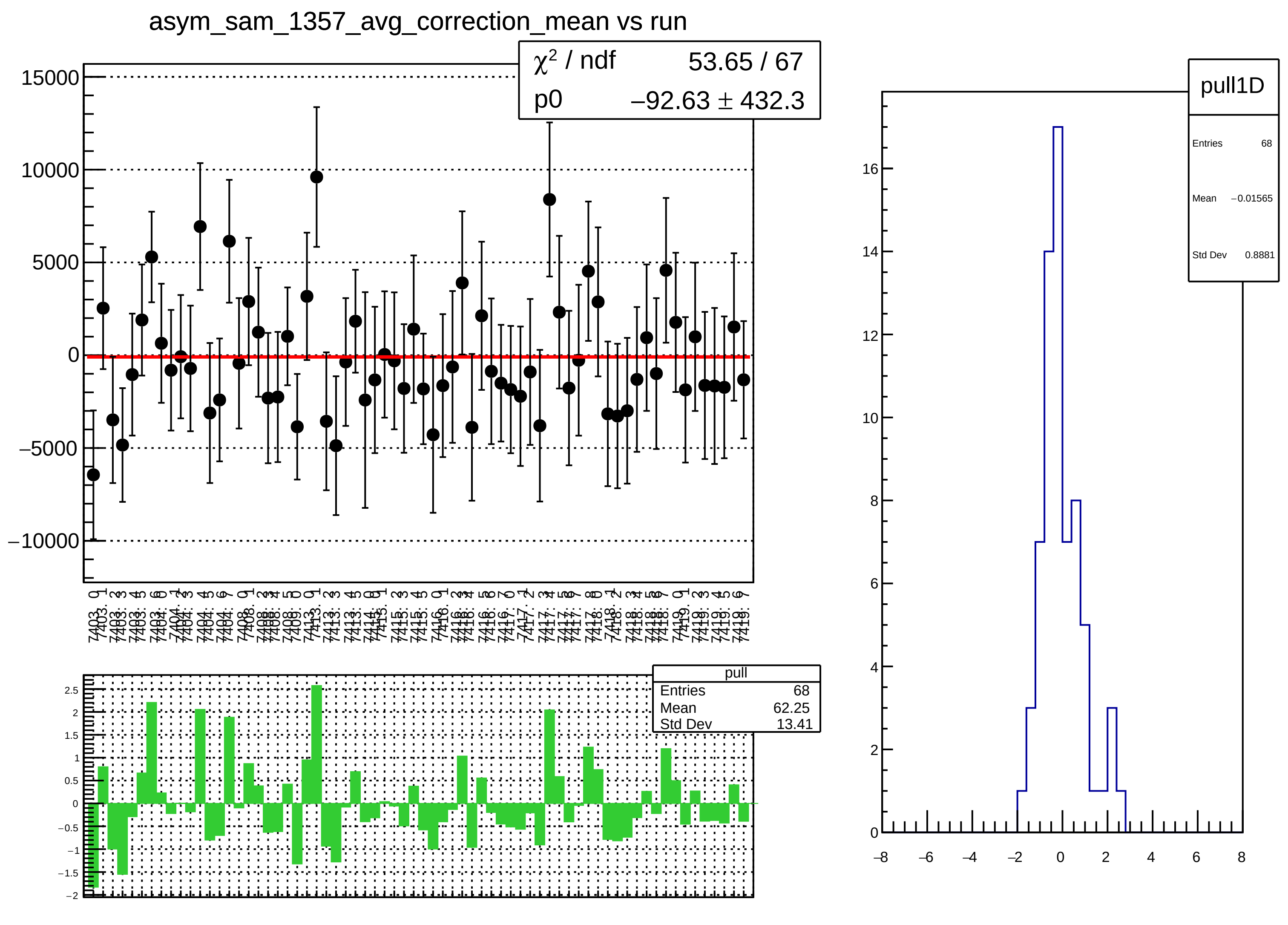




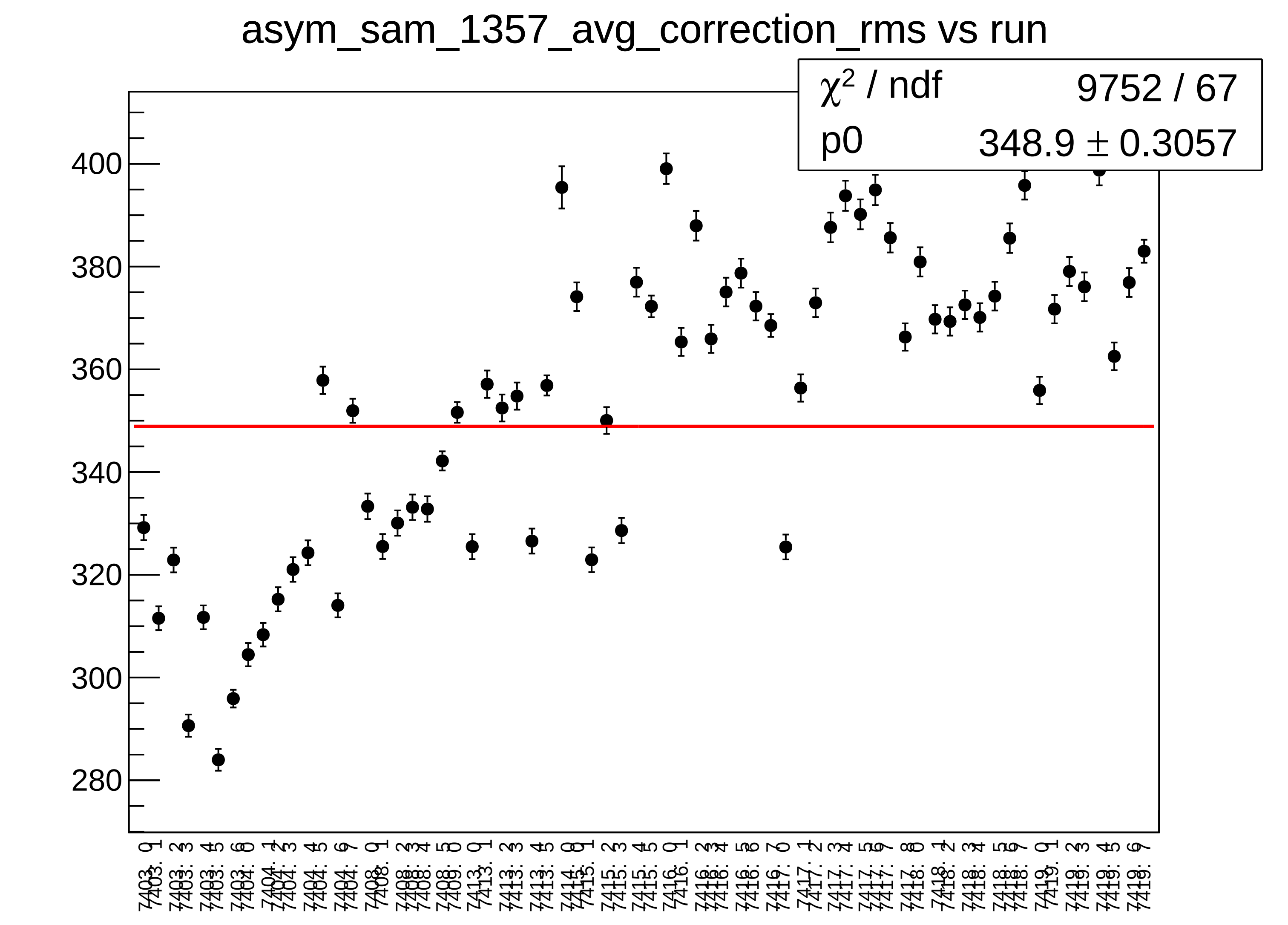
reg_asym_sam_1357_avg_mean vs run
χ^2 / ndf 68.95 / 67
p0 17.91 ± 79.41
pull
Entries 68
Mean 182.7
Std Dev 122.8
pull1D
Entries 68
Mean 0.00304
Std Dev 1.007



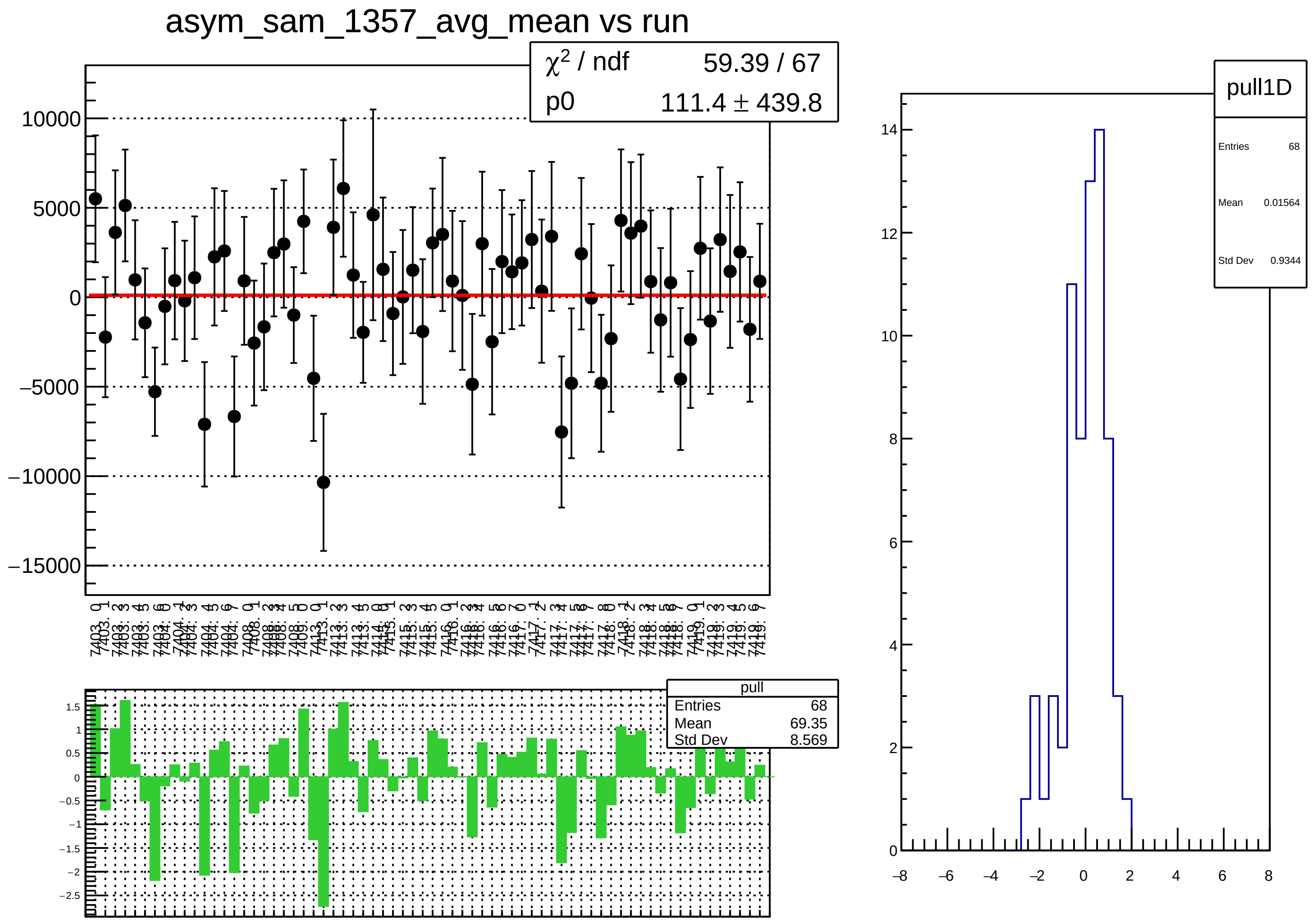
reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 3.093e+04 / 67
p0 63.56 ± 0.05615



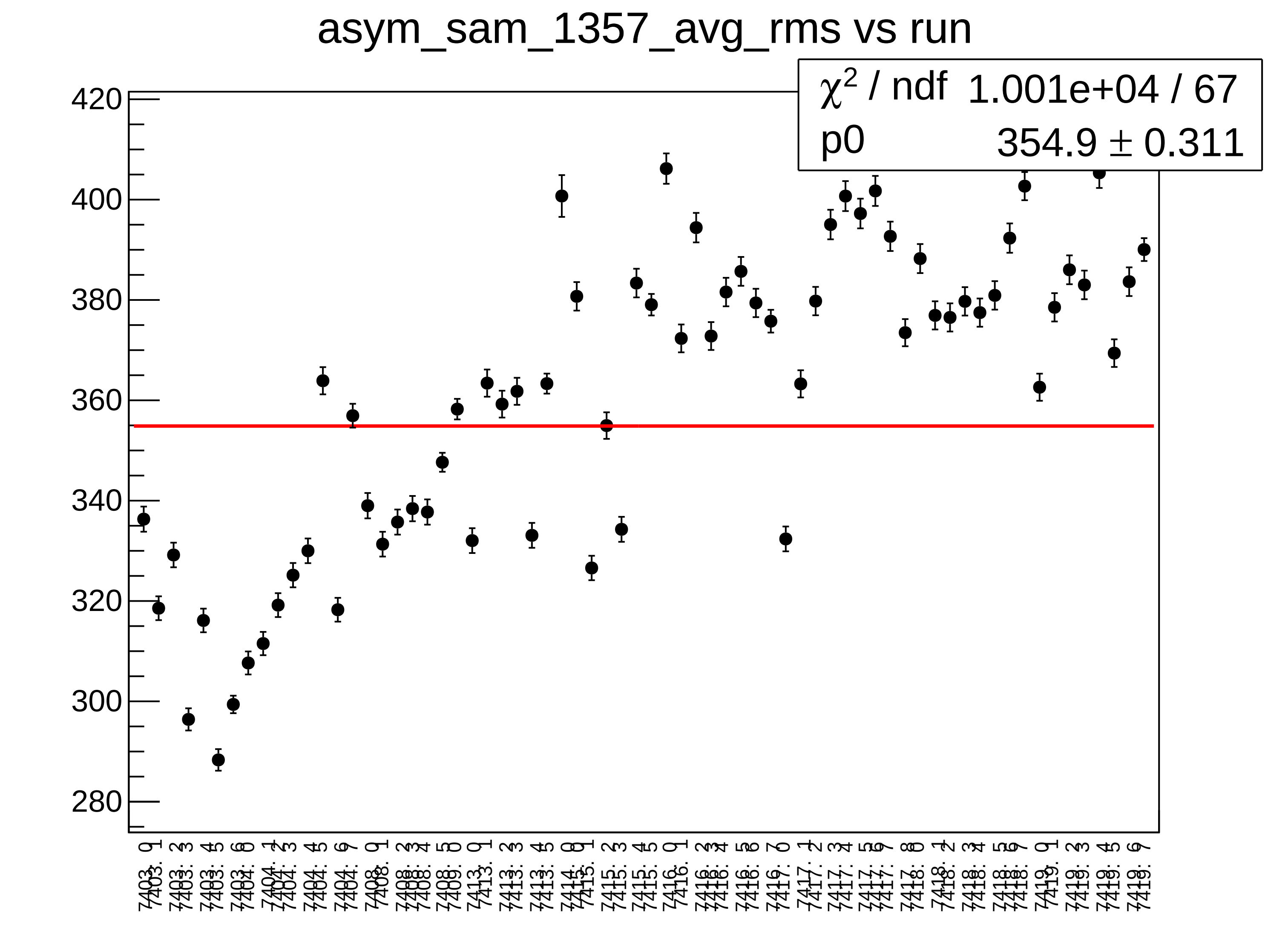
asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 53.65 / 67
p0 −92.63 ± 432.3
15000
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 62.25
Std Dev 13.41
pull1D
Entries 68
Mean −0.01565
Std Dev 0.8881



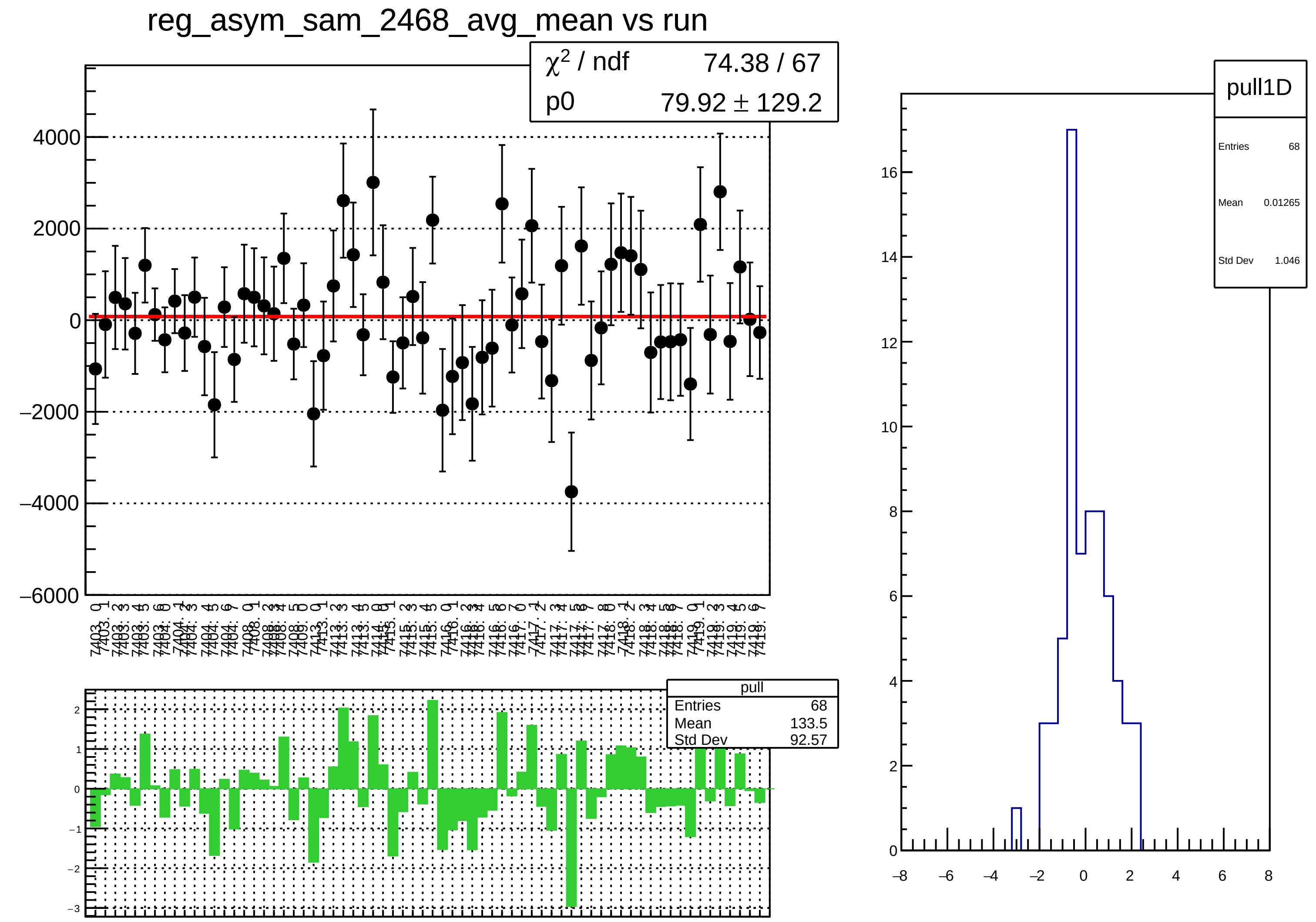
asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 9752 / 67
p0 348.9 ± 0.3057
400
380
360
340
320
300
280



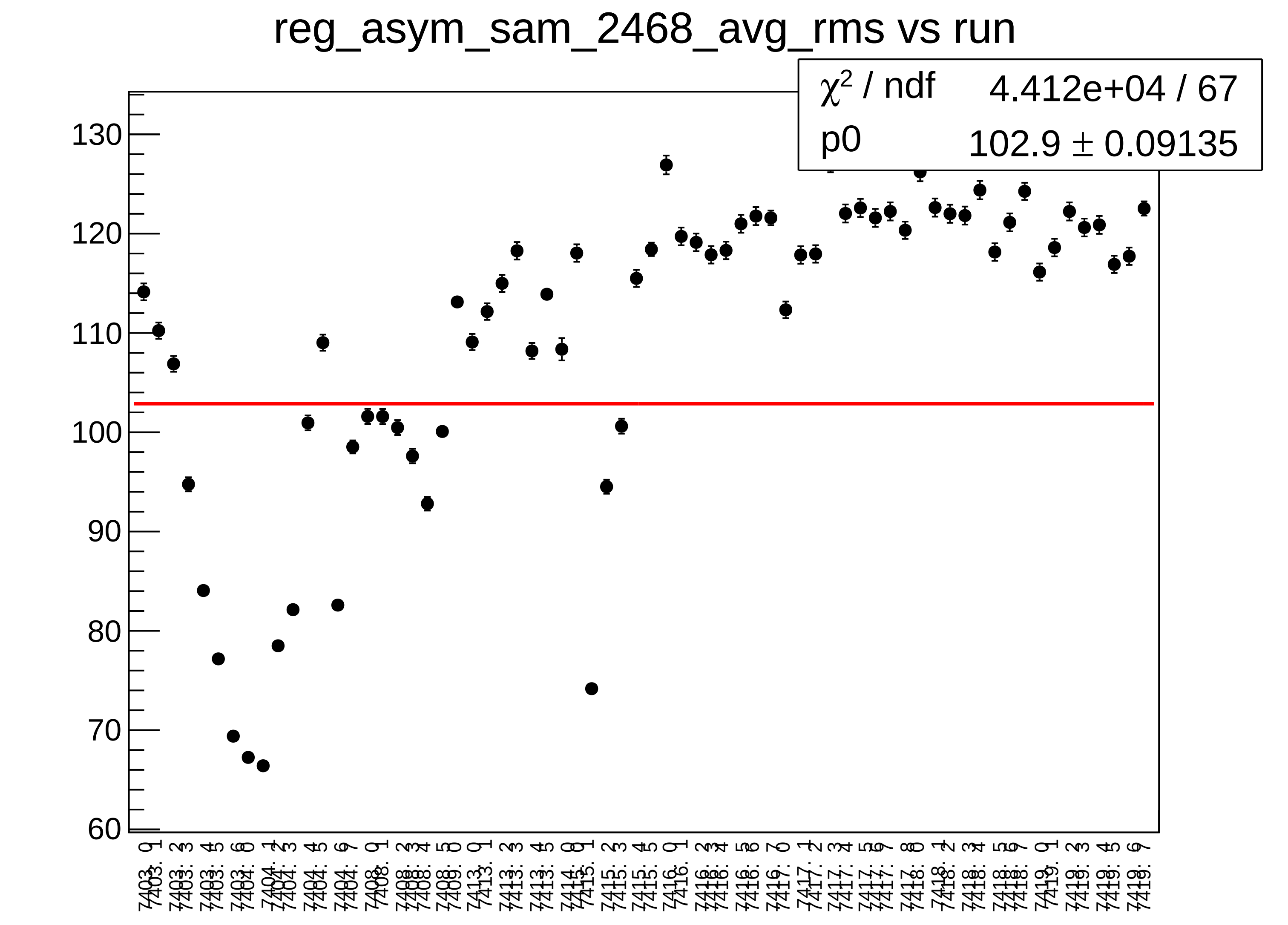
asym_sam_1357_avg_mean vs run
χ^2 / ndf 59.39 / 67
p0 111.4 ± 439.8
pull
Entries 68
Mean 69.35
Std Dev 8.569
pull1D
Entries 68
Mean 0.01564
Std Dev 0.9344



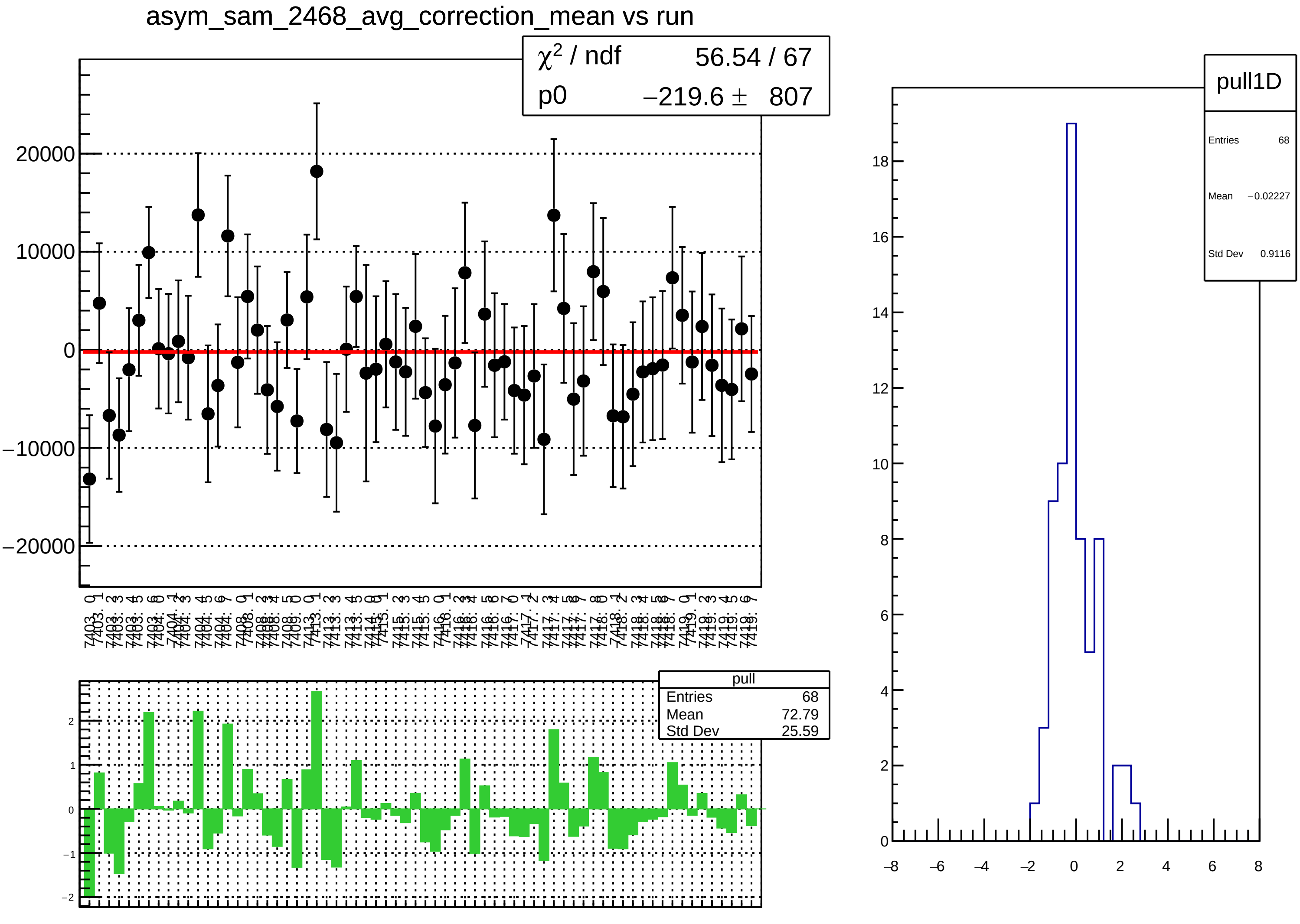
asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.001e+04 / 67
p0 354.9 ± 0.311
420
400
380
360
340
320
300
280

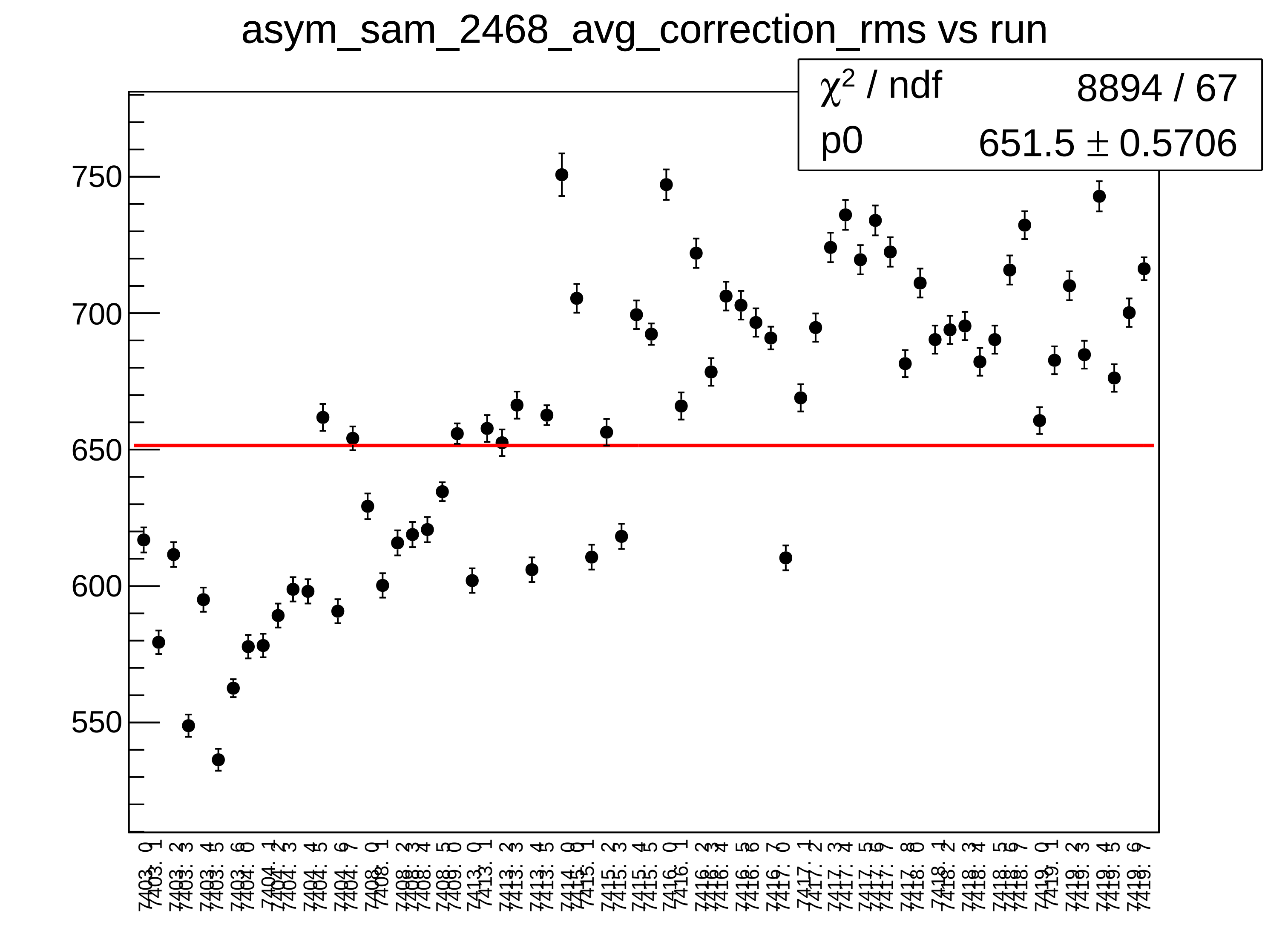


reg_asym_sam_2468_avg_mean vs run
χ^2 / ndf 74.38 / 67
p0 79.92 ± 129.2
pull
Entries 68
Mean 133.5
Std Dev 92.57
pull1D
Entries 68
Mean 0.01265
Std Dev 1.046

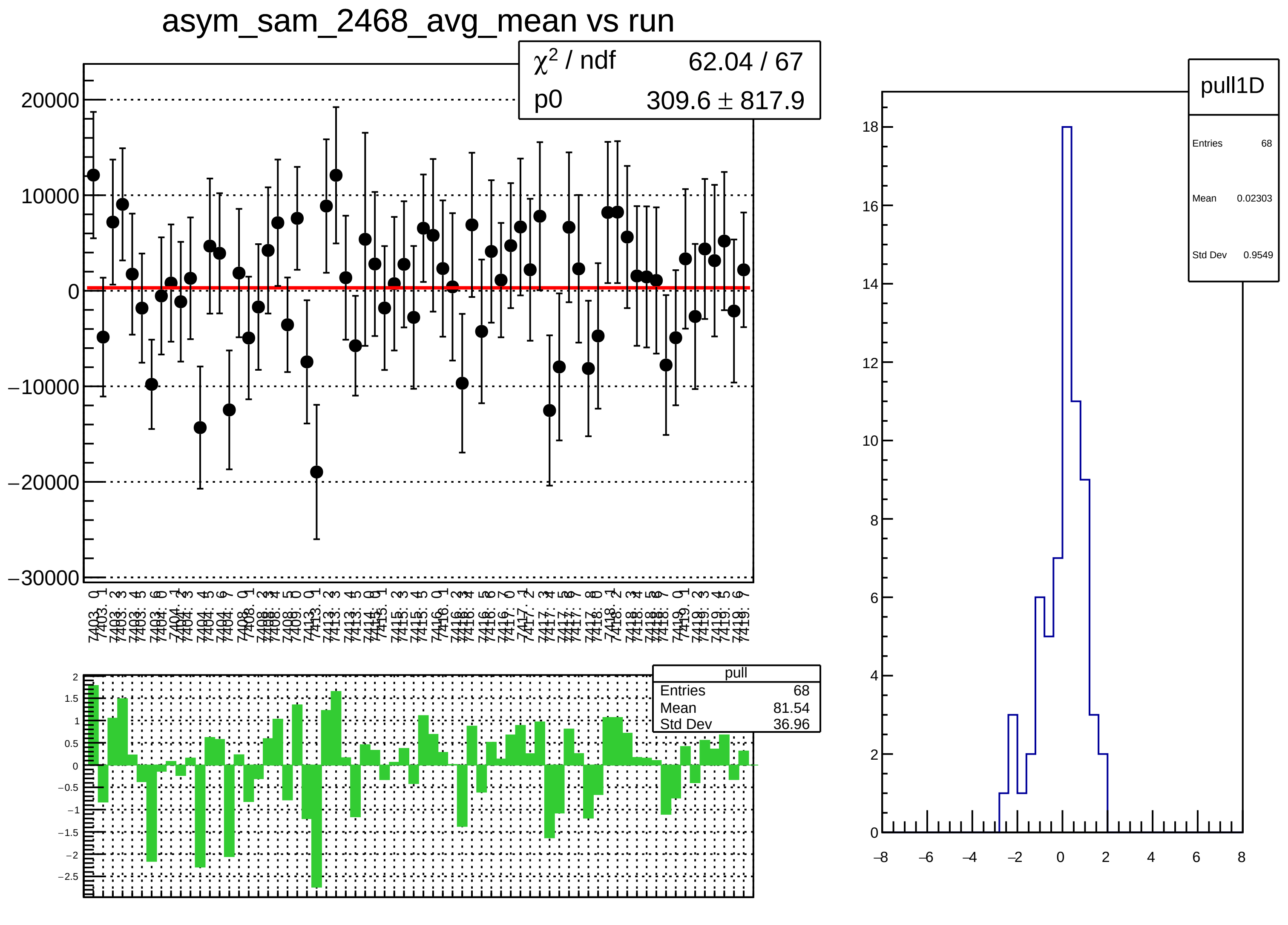


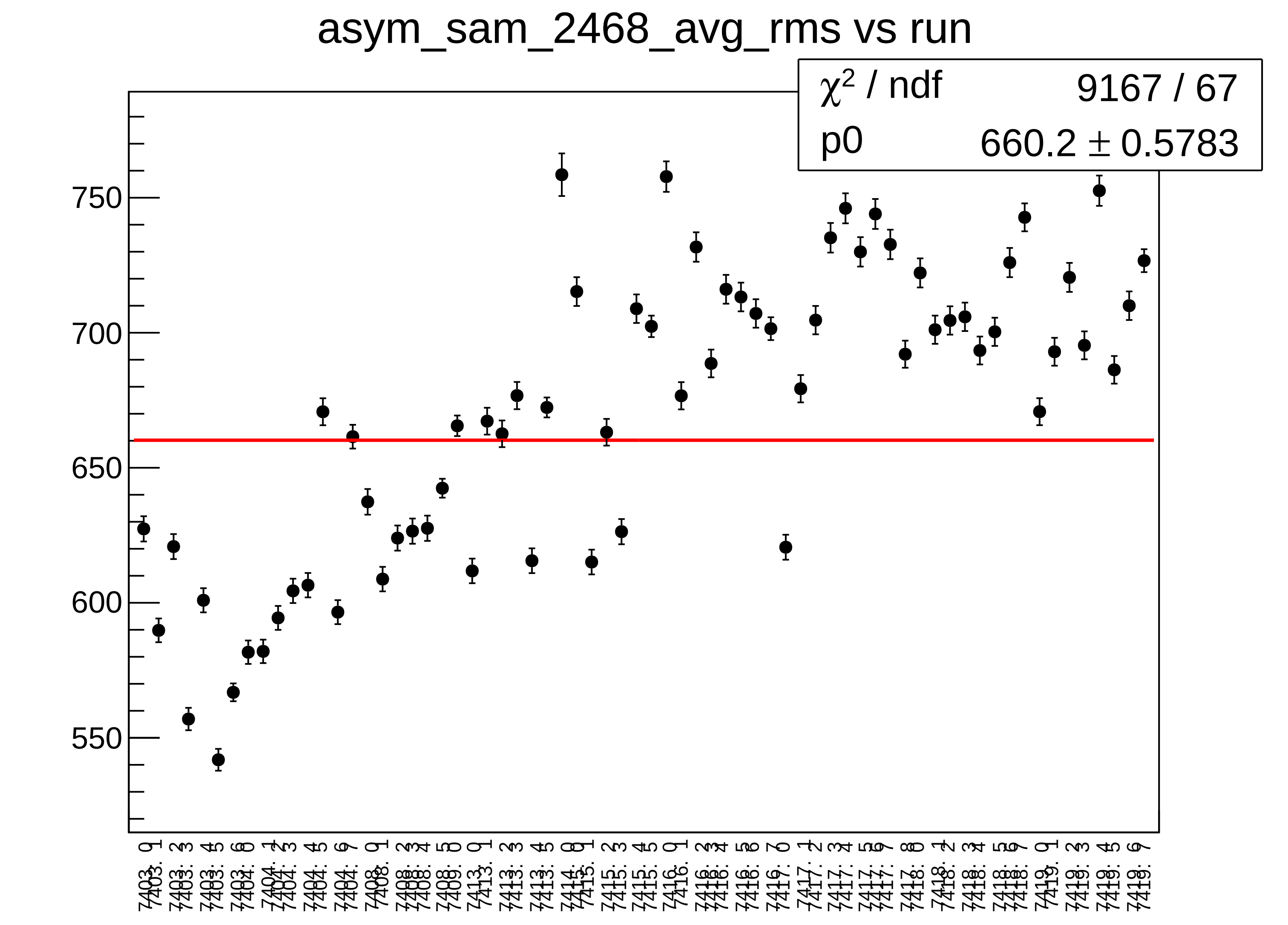
reg_asym_sam_2468_avg_rms vs run
χ2 / ndf 4.412e+04 / 67
p0 102.9 ± 0.09135

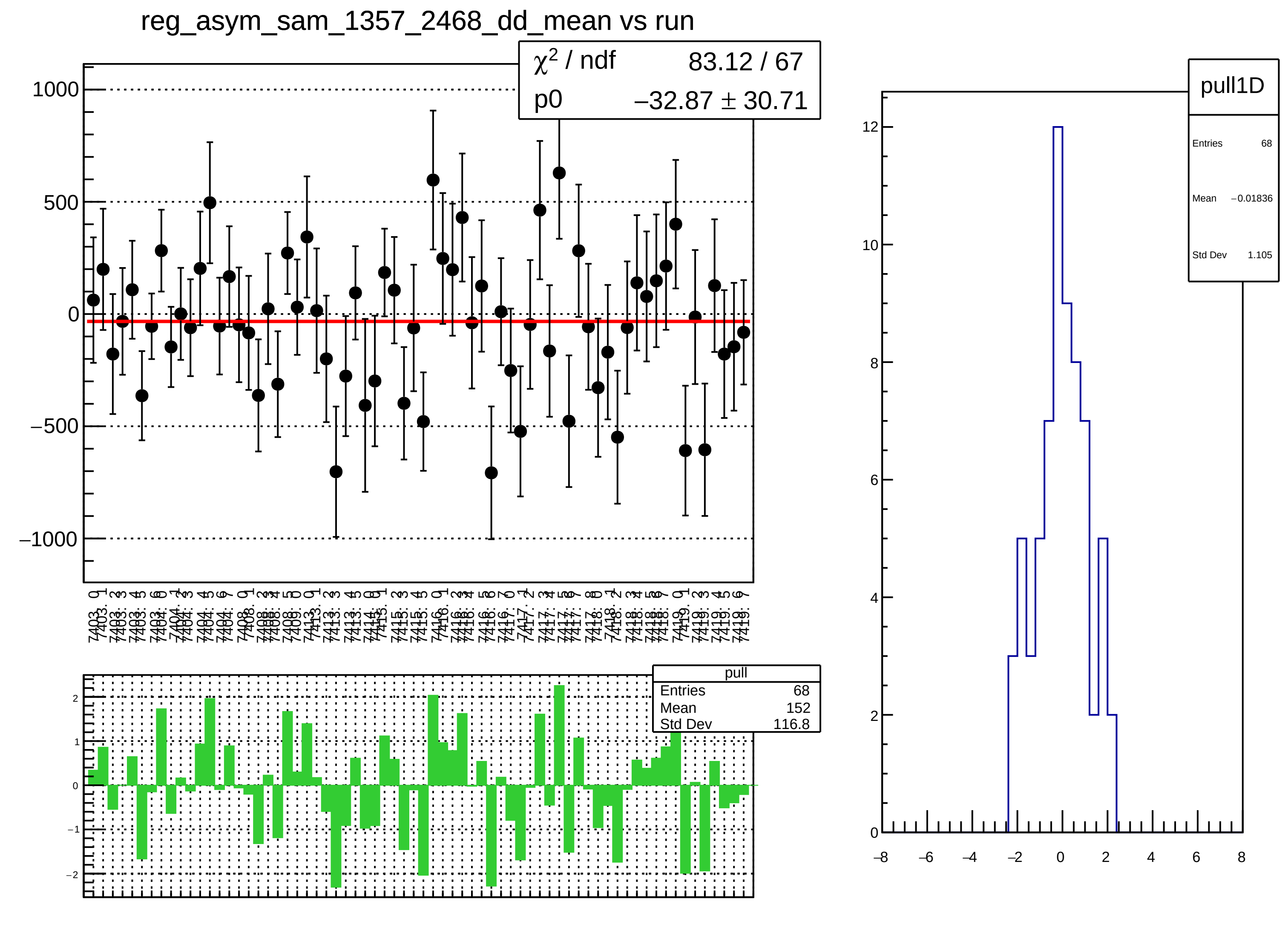

asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 56.54 / 67
p0 −219.6 ± 807
pull
Entries 68
Mean 72.79
Std Dev 25.59
pull1D
Entries 68
Mean −0.02227
Std Dev 0.9116



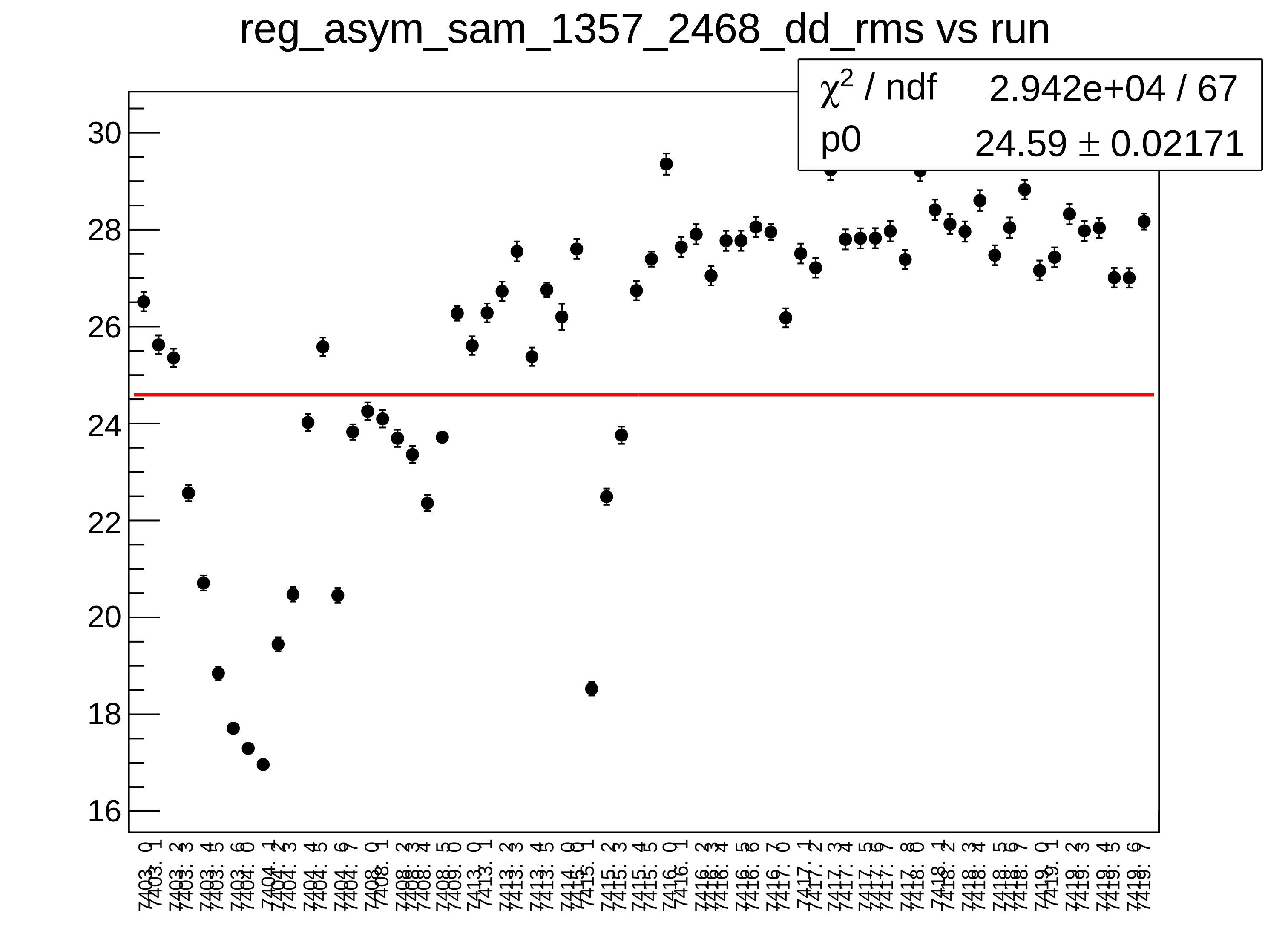
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 8894 / 67
p0 651.5 ± 0.5706
750
700
650
600
550

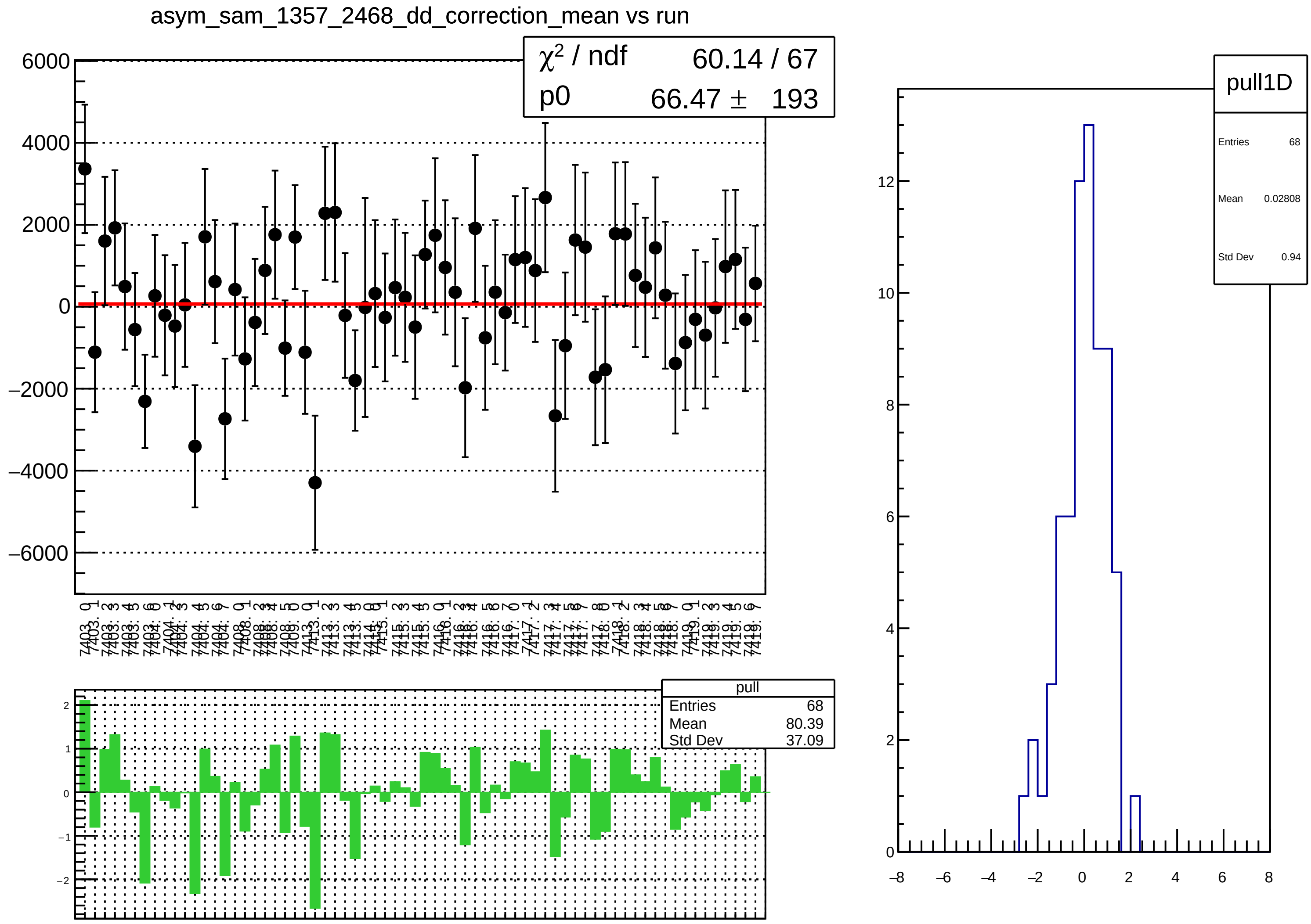

asym_sam_2468_avg_mean vs run
χ2 / ndf 62.04 / 67
p0 309.6 ± 817.9
pull
Entries 68
Mean 81.54
Std Dev 36.96
pull1D
Entries 68
Mean 0.02303
Std Dev 0.9549


asym_sam_2468_avg_rms vs run
χ2 / ndf 9167 / 67
p0 660.2 ± 0.5783
750
700
650
600
550

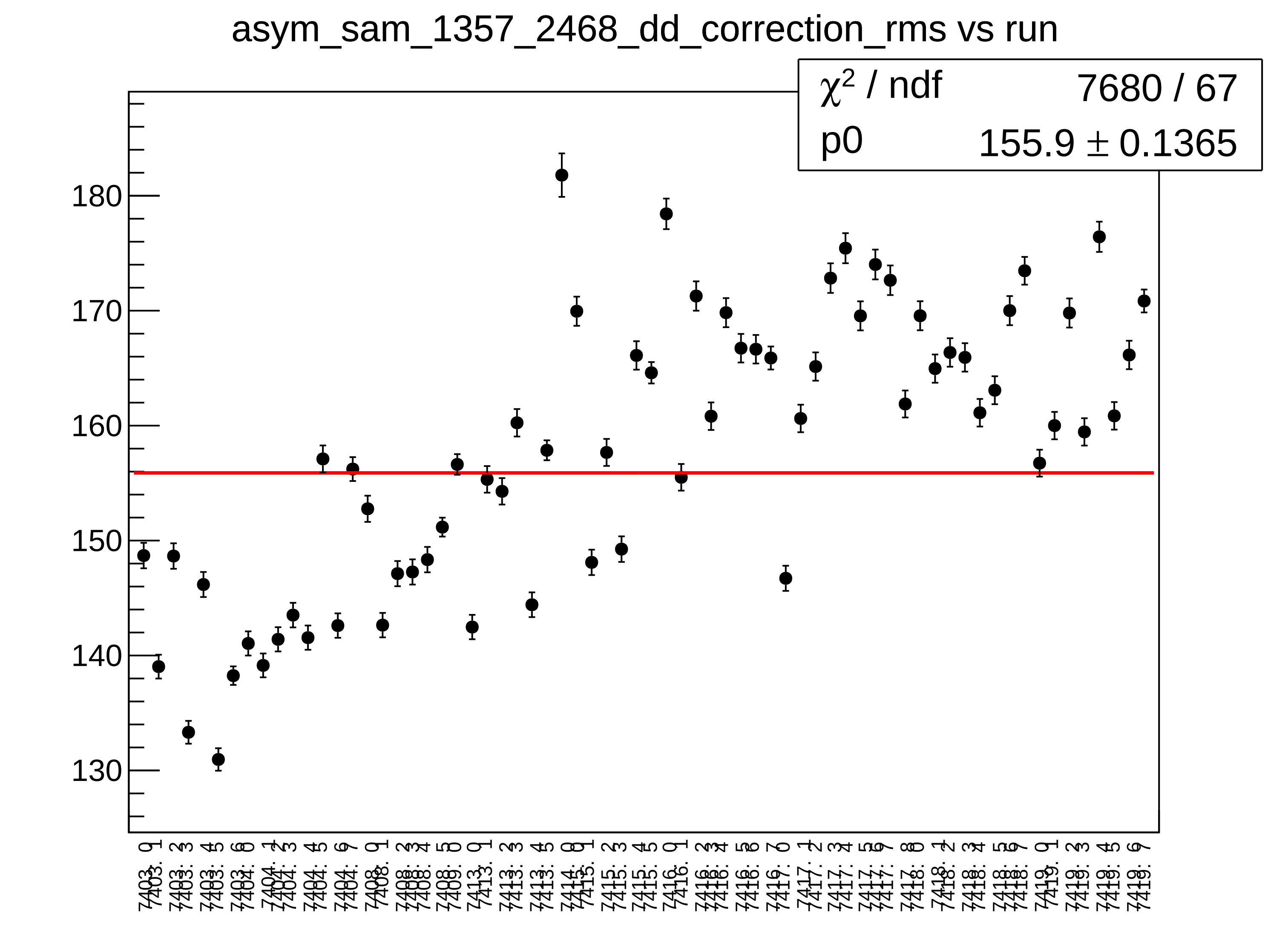


reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 83.12 / 67
p0 −32.87 ± 30.71
1000
500
0
−500
−1000
pull
Entries 68
Mean 152
Std Dev 116.8
pull1D
Entries 68
Mean −0.01836
Std Dev 1.105

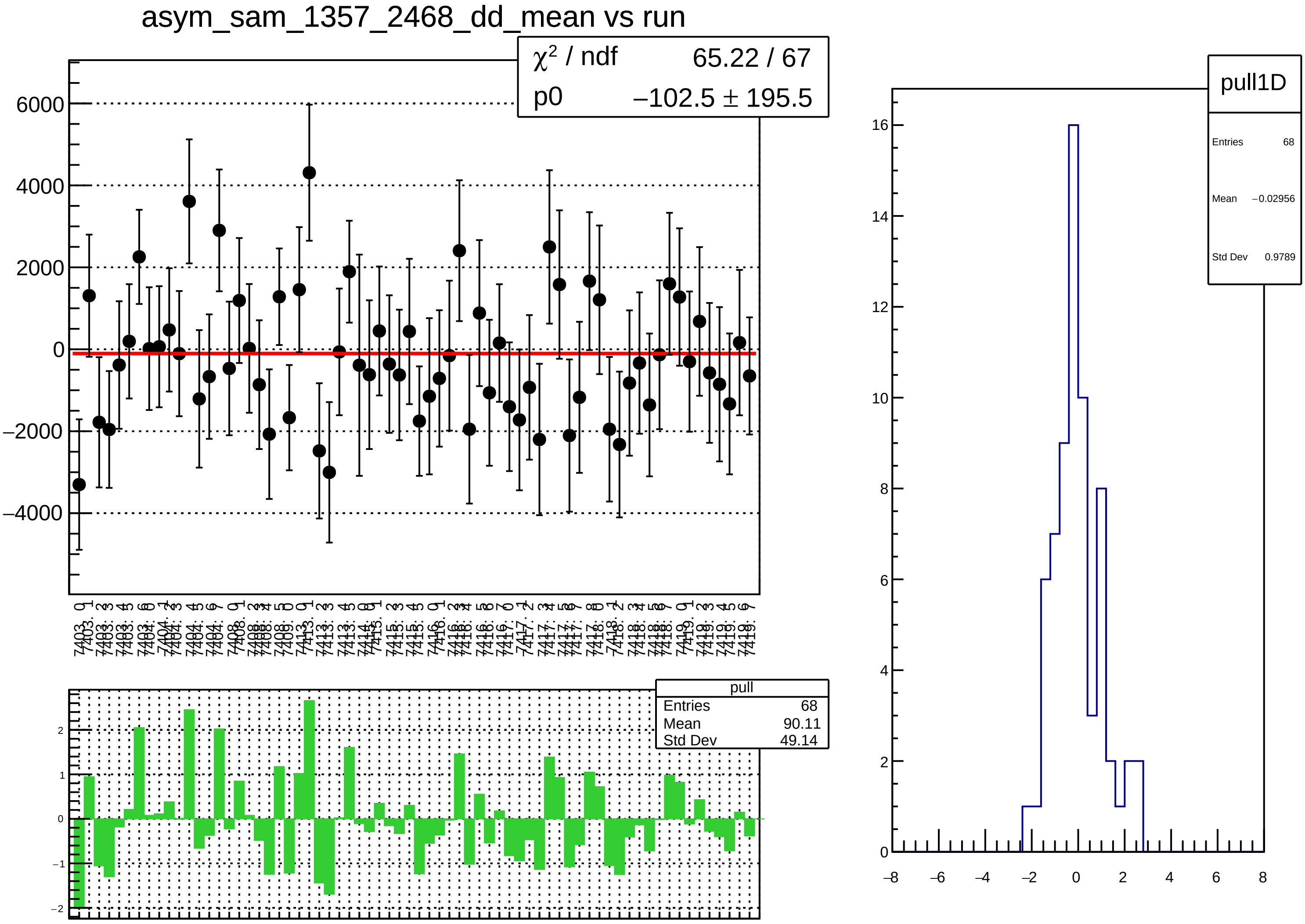

reg_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 2.942e+04 / 67
p0 24.59 ± 0.02171
30
28
26
24
22
20
18
16



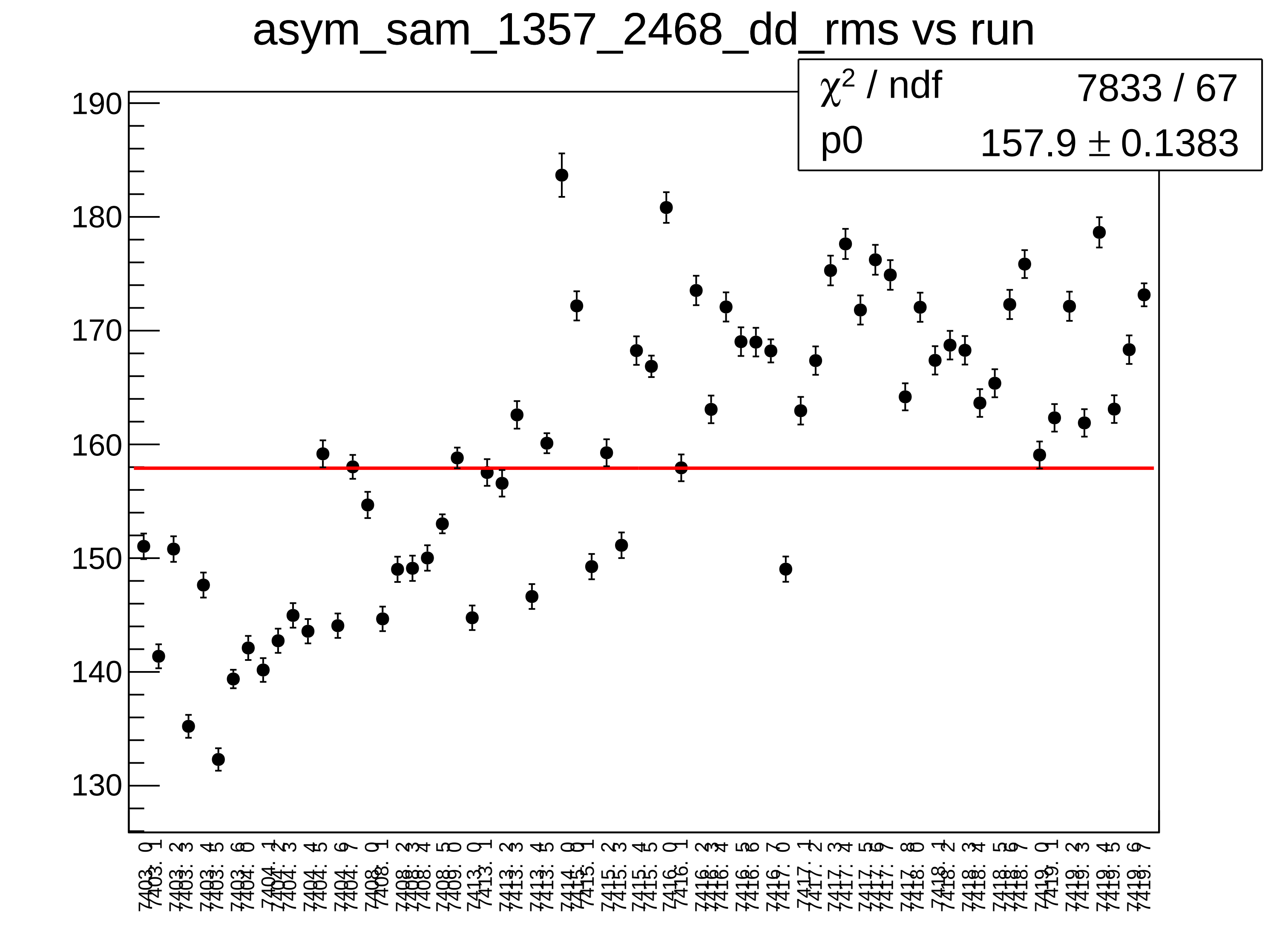
asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 60.14 / 67
p0 66.47 ± 193
pull
Entries 68
Mean 80.39
Std Dev 37.09
pull1D
Entries 68
Mean 0.02808
Std Dev 0.94



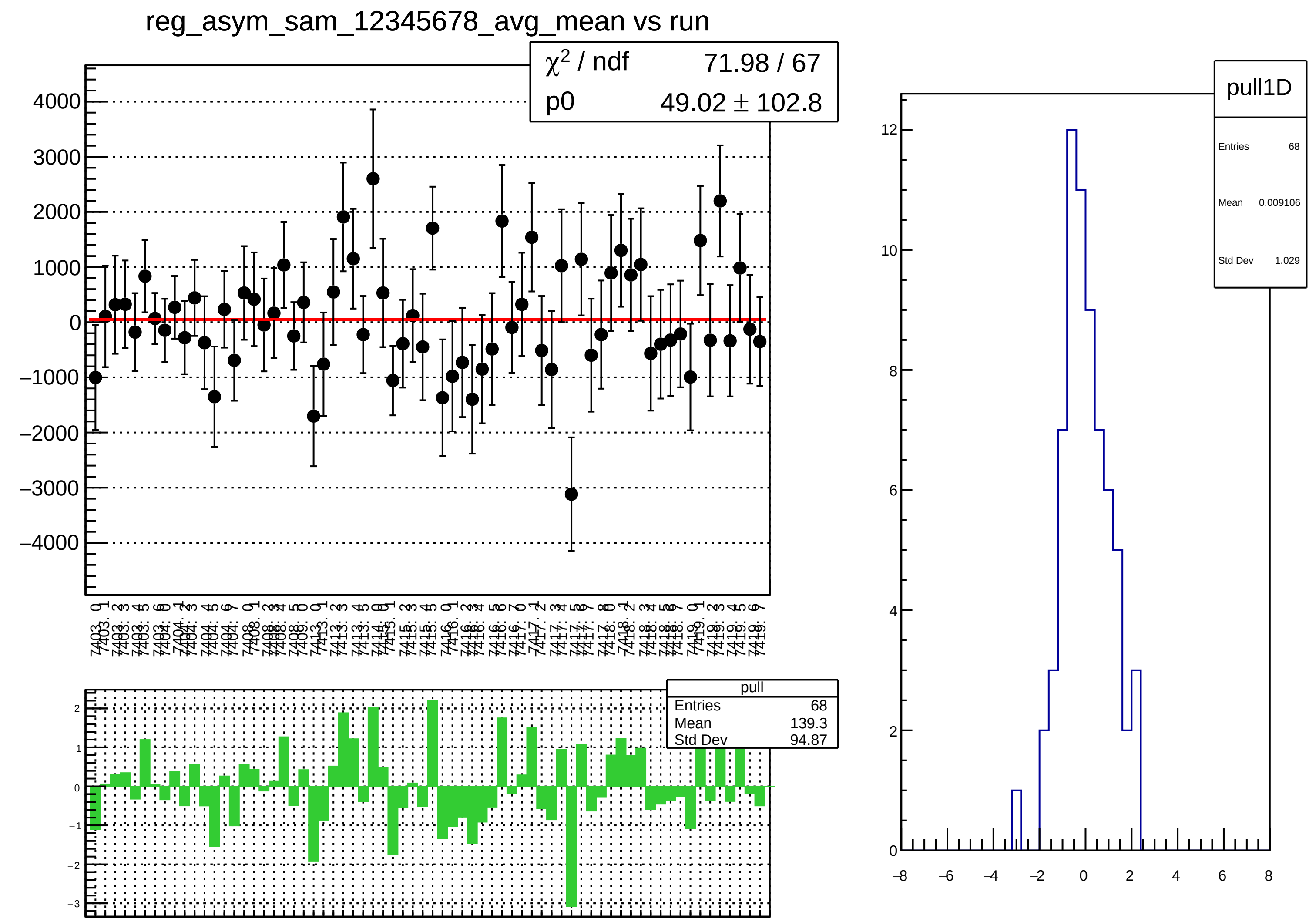
asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 7680 / 67
p0 155.9 ± 0.1365
130
140
150
160
170
180



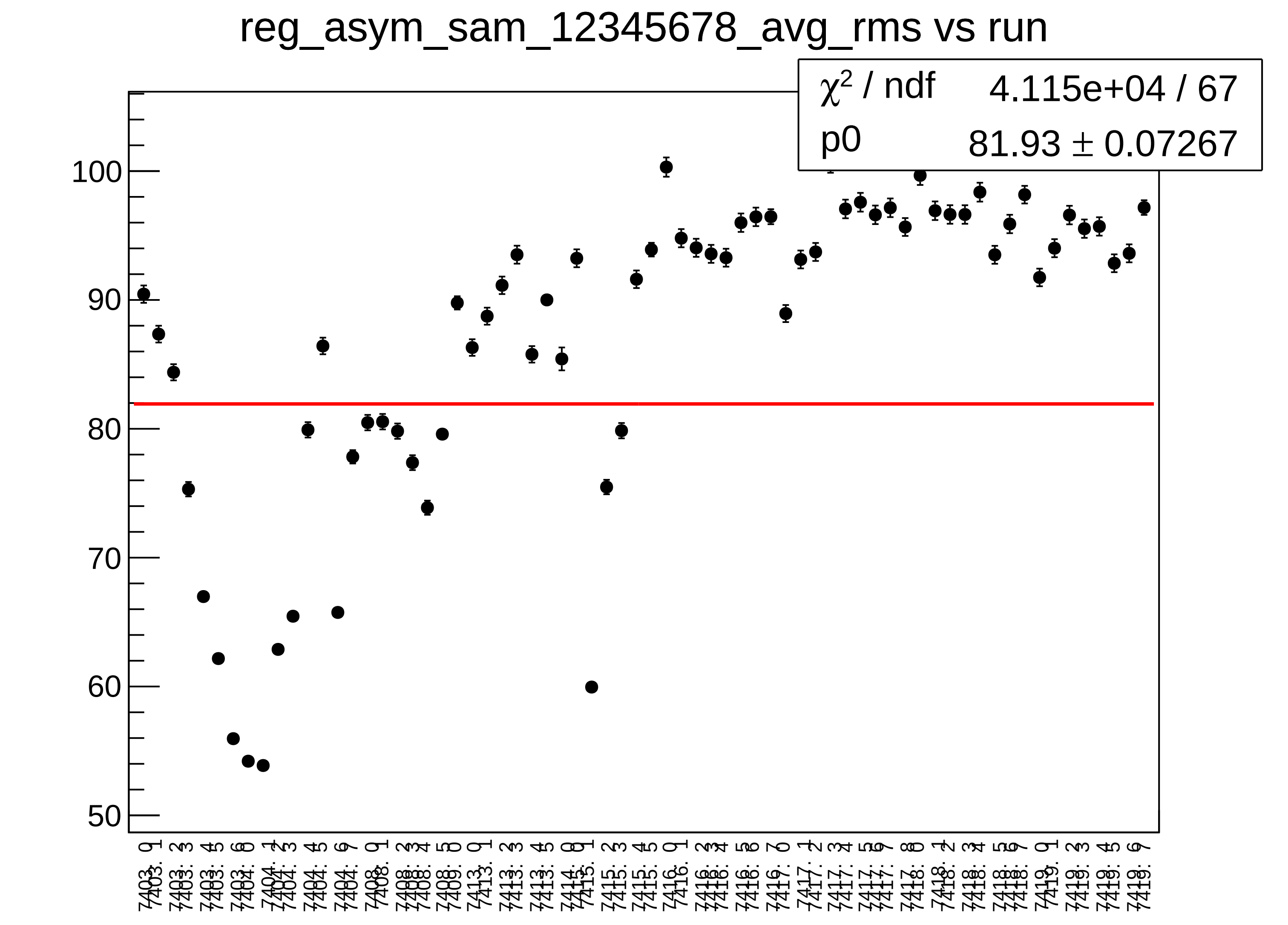
asym_sam_1357_2468_dd_mean vs run
χ2 / ndf 65.22 / 67
p0 −102.5 ± 195.5
pull
Entries 68
Mean 90.11
Std Dev 49.14
pull1D
Entries 68
Mean −0.02956
Std Dev 0.9789



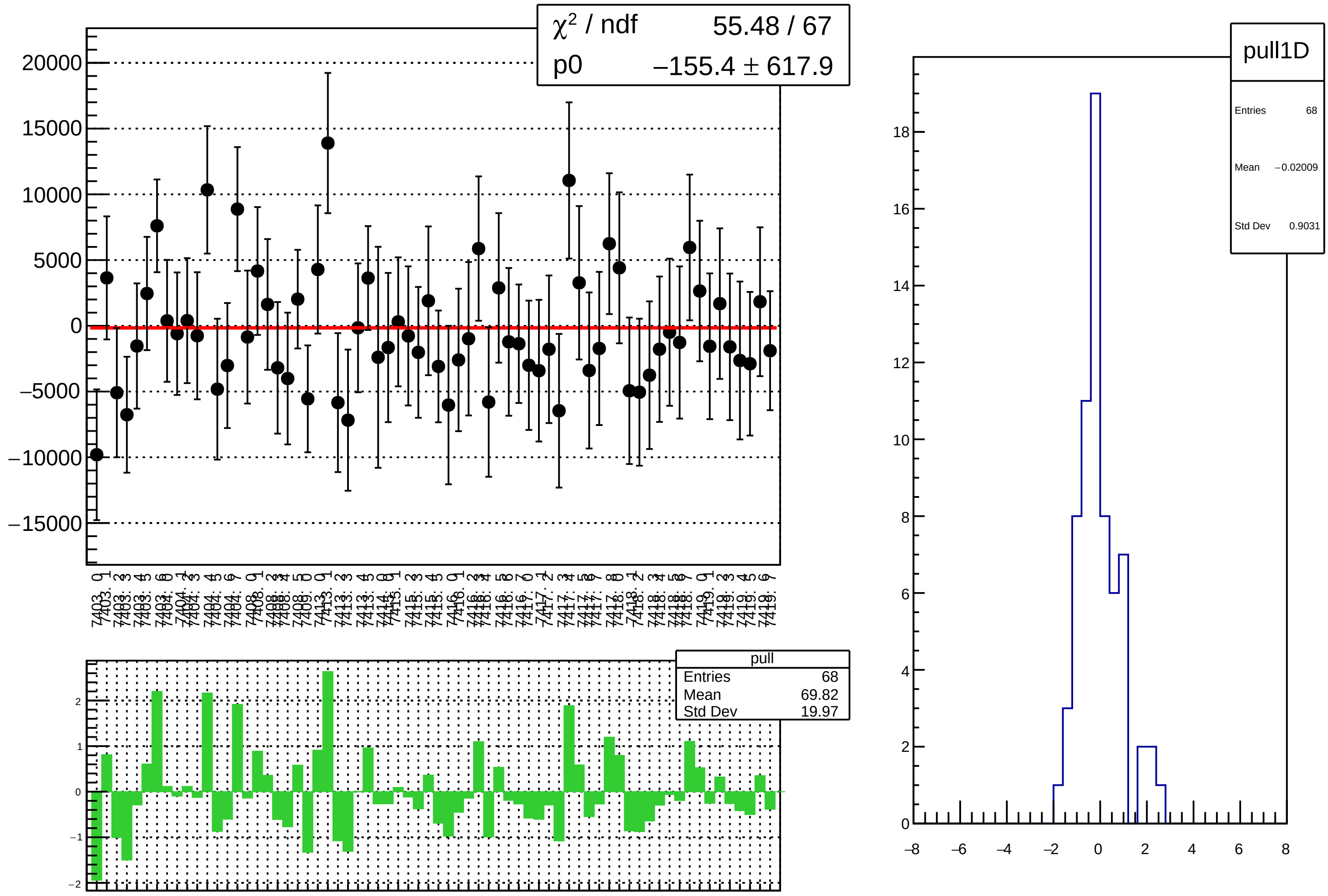
asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 7833 / 67
p0 157.9 ± 0.1383
190
180
170
160
150
140
130

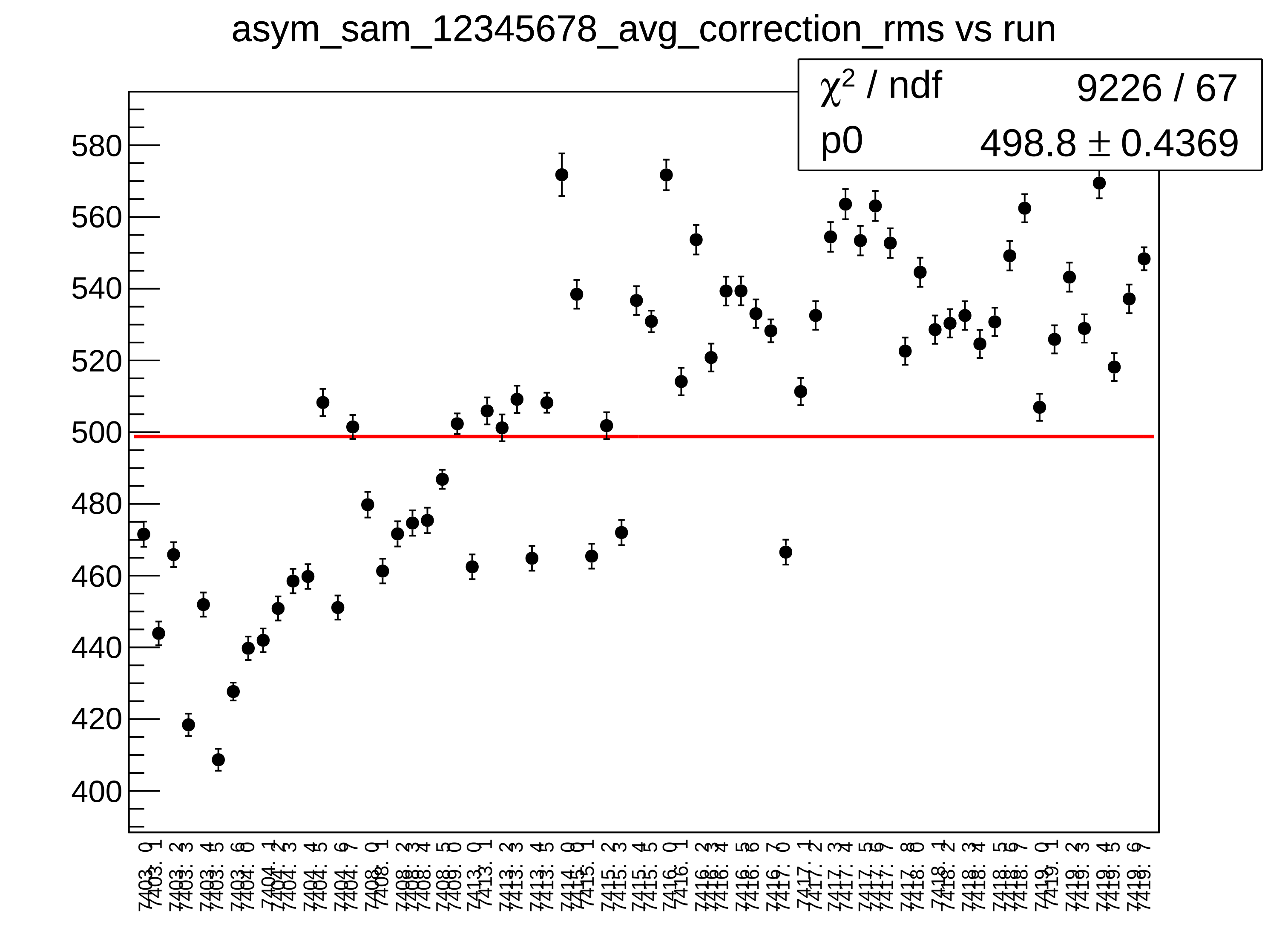


reg_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 71.98 / 67
p0 49.02 ± 102.8
pull
Entries 68
Mean 139.3
Std Dev 94.87
pull1D
Entries 68
Mean 0.009106
Std Dev 1.029

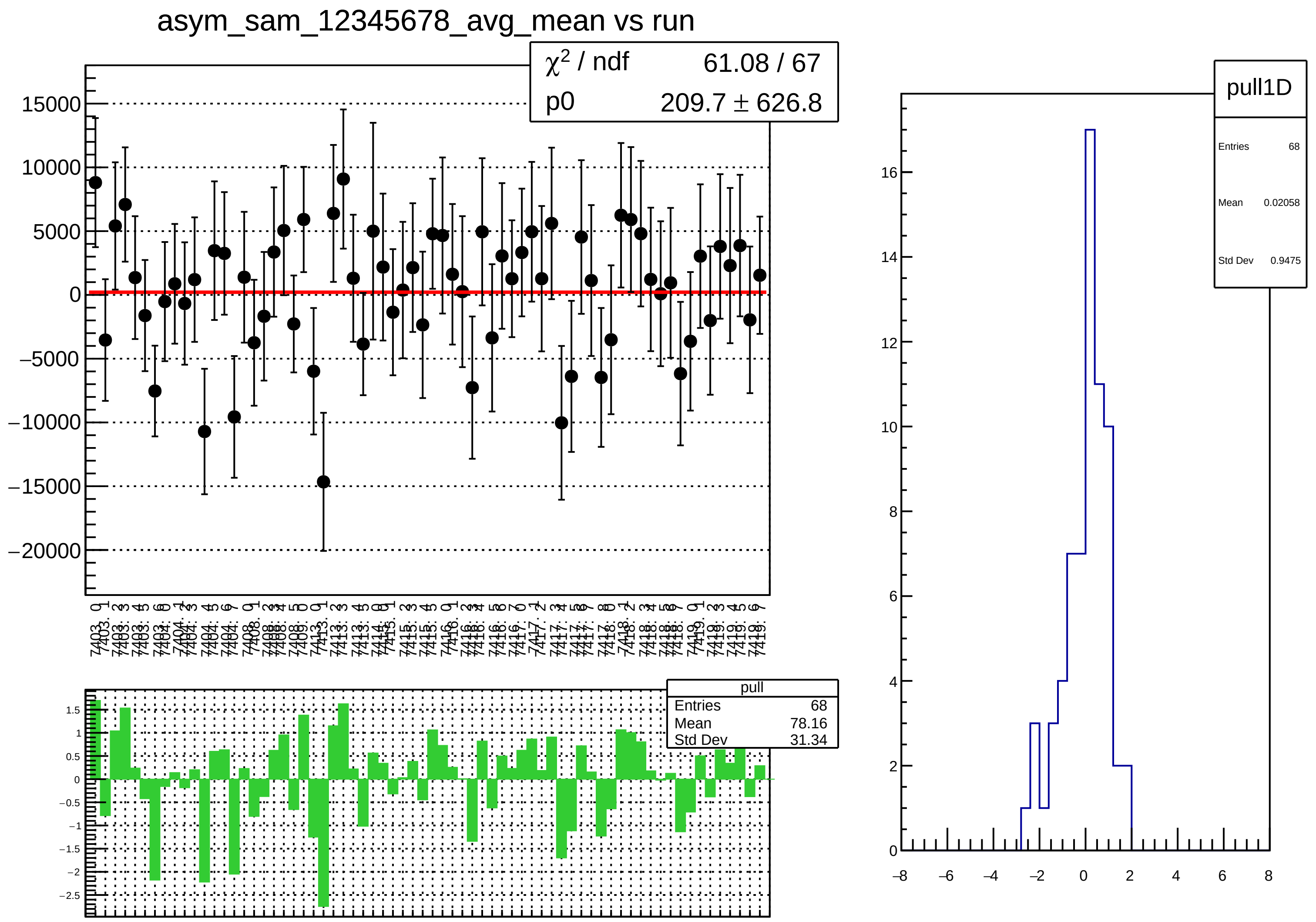

reg_asym_sam_12345678_avg_rms vs run
χ2 / ndf 4.115e+04 / 67
p0 81.93 ± 0.07267
100
90
80
70
60
50

asym_sam_12345678_avg_correction_mean vs run

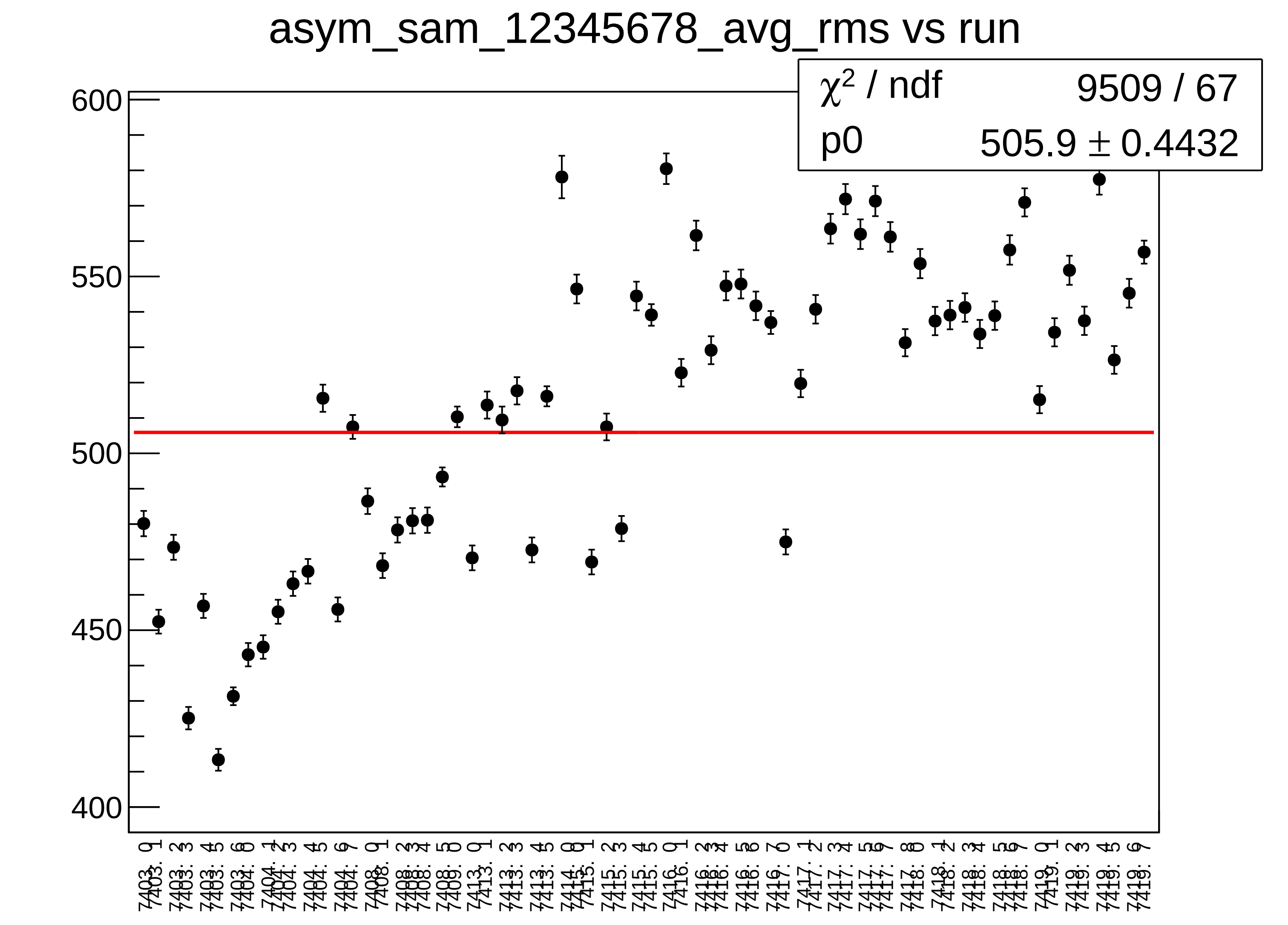


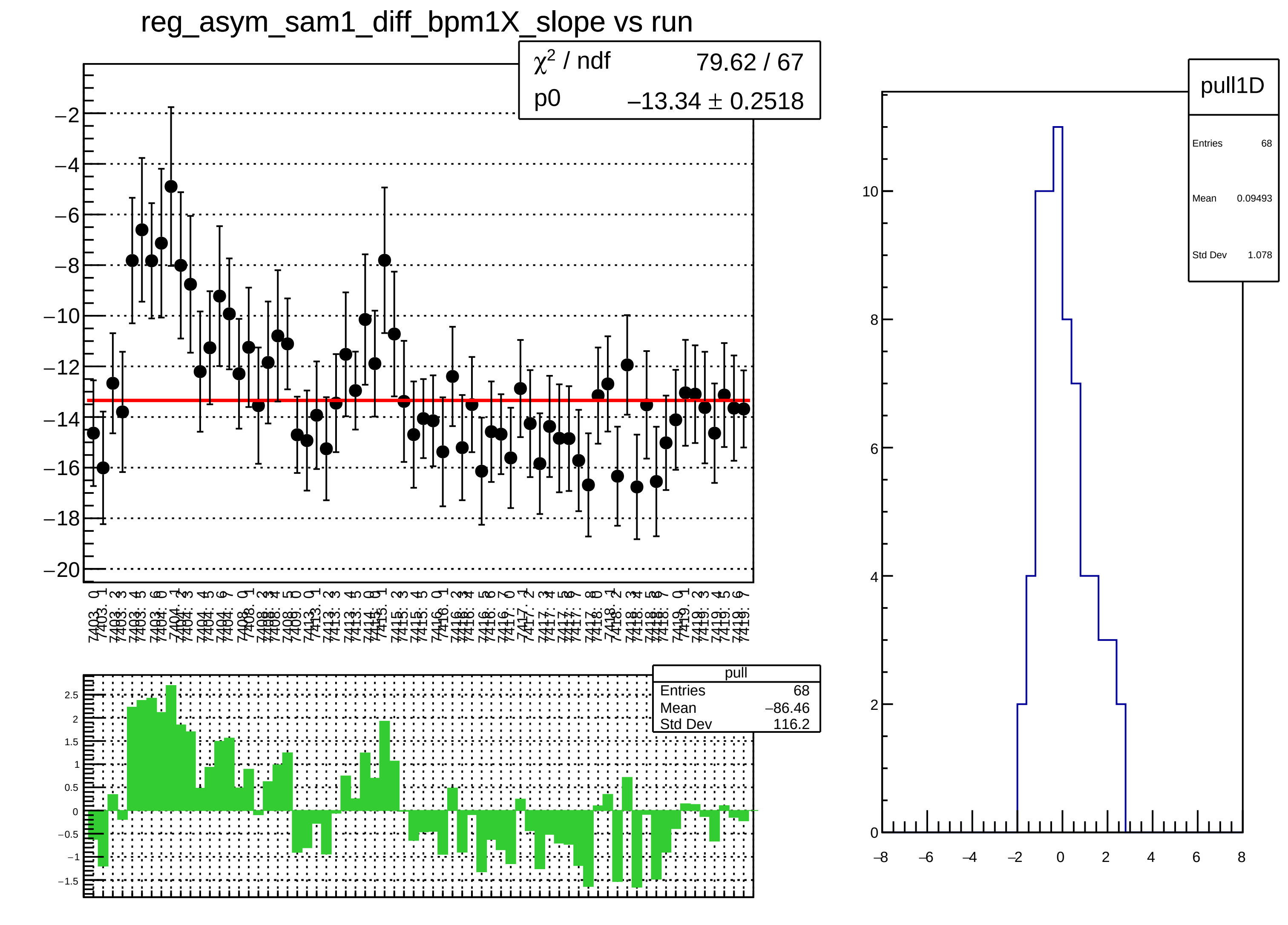


asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 9226 / 67
p0 498.8 ± 0.4369
580
560
540
520
500
480
460
440
420
400

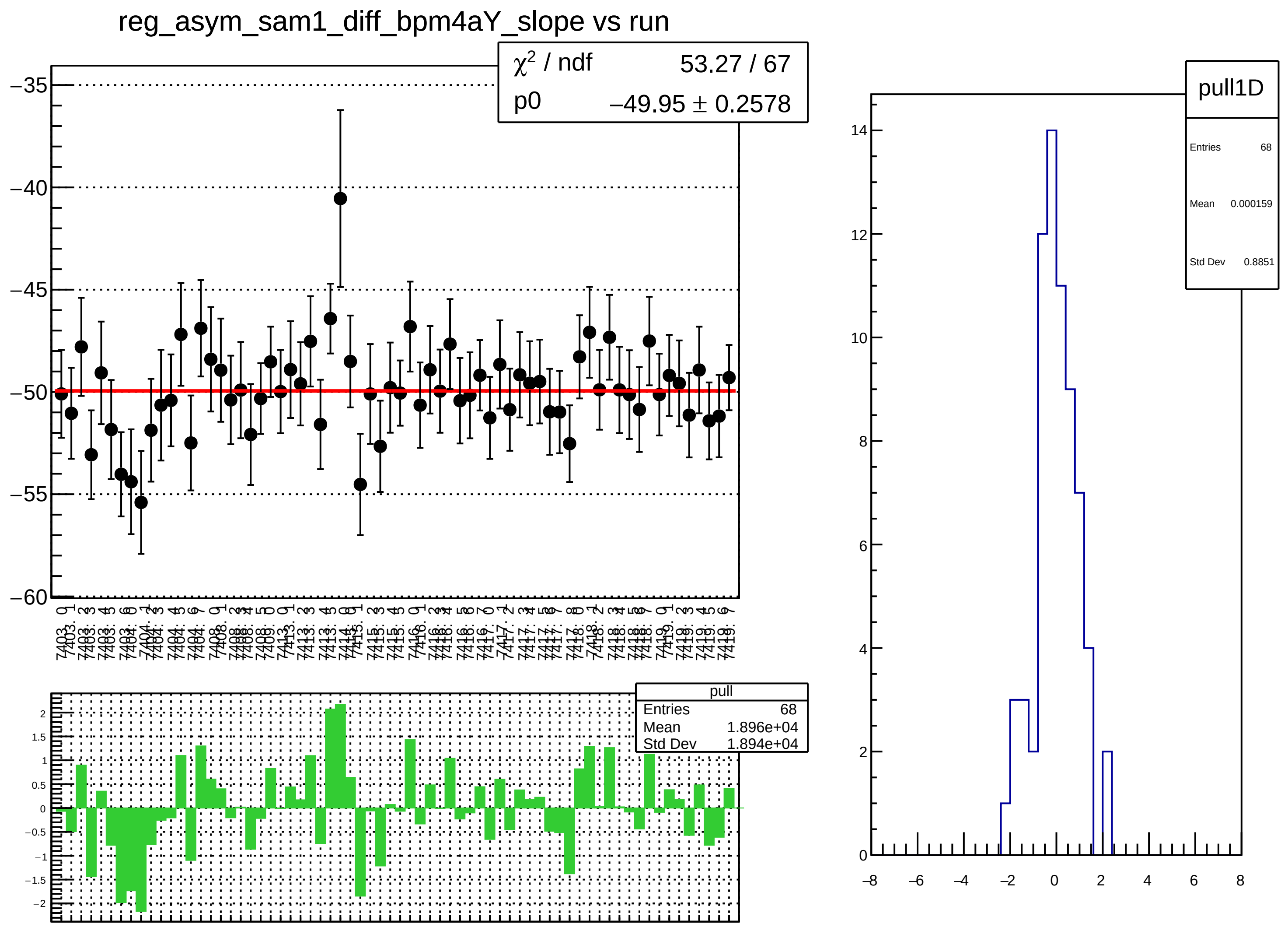


asym_sam_12345678_avg_mean vs run
χ^2 / ndf 61.08 / 67
p0 209.7 ± 626.8
pull
Entries 68
Mean 78.16
Std Dev 31.34
pull1D
Entries 68
Mean 0.02058
Std Dev 0.9475

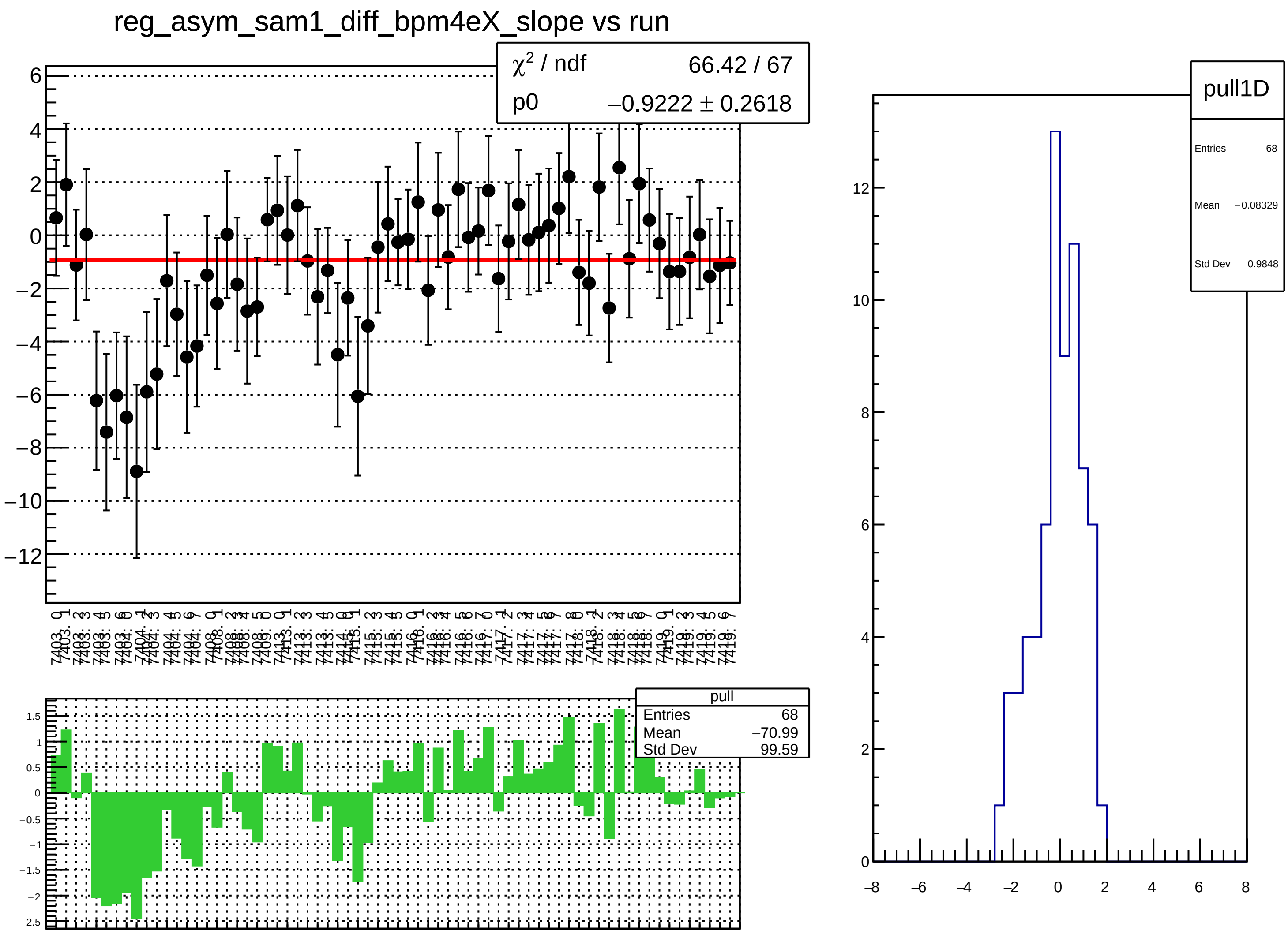

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 9509 / 67
p0 505.9 ± 0.4432
600
550
500
450
400



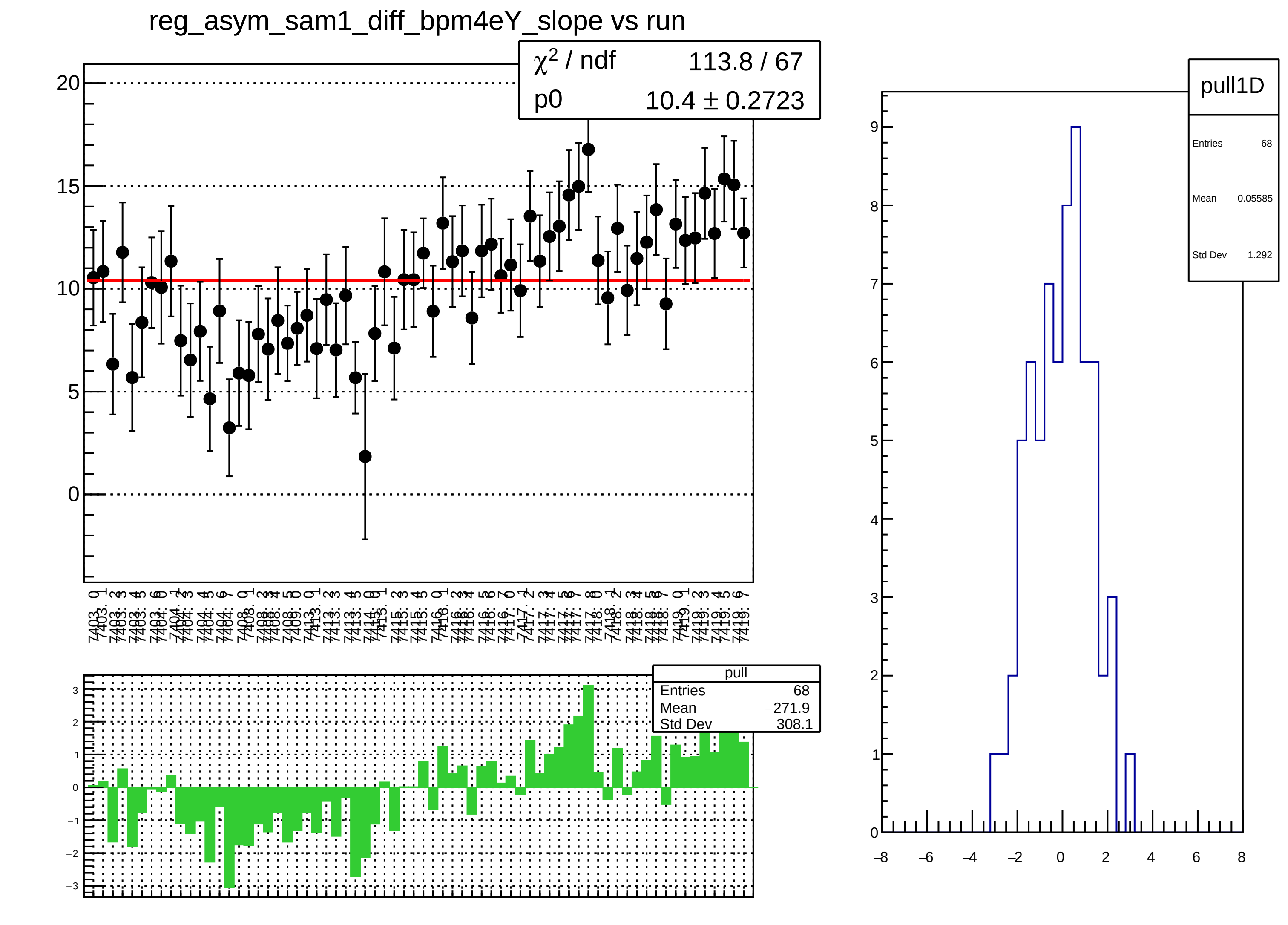
reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 79.62 / 67
p0 −13.34 ± 0.2518
pull
Entries 68
Mean −86.46
Std Dev 116.2
pull1D
Entries 68
Mean 0.09493
Std Dev 1.078



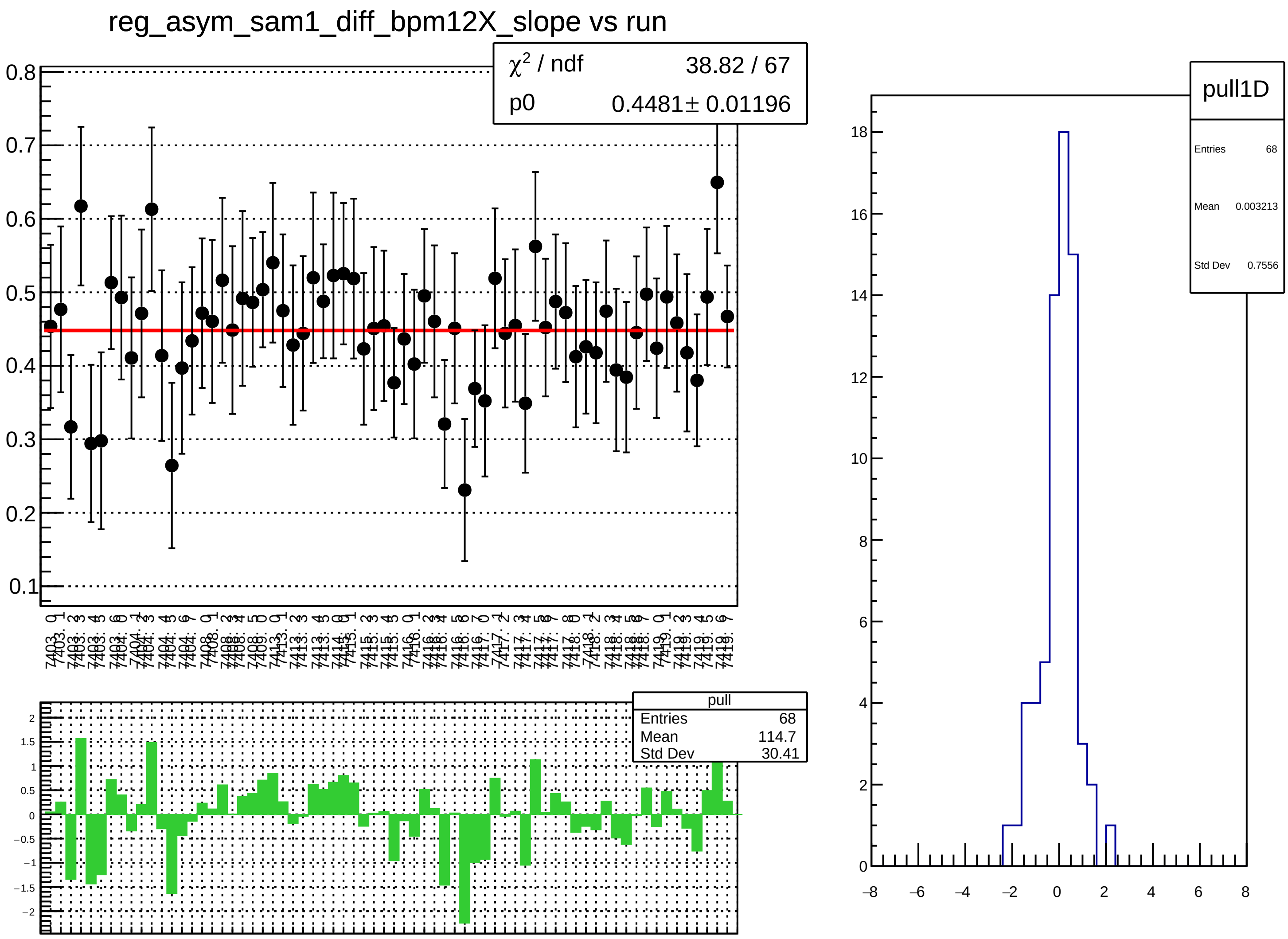
reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 53.27 / 67
p0 −49.95 ± 0.2578
pull
Entries 68
Mean 1.896e+04
Std Dev 1.894e+04
pull1D
Entries 68
Mean 0.000159
Std Dev 0.8851

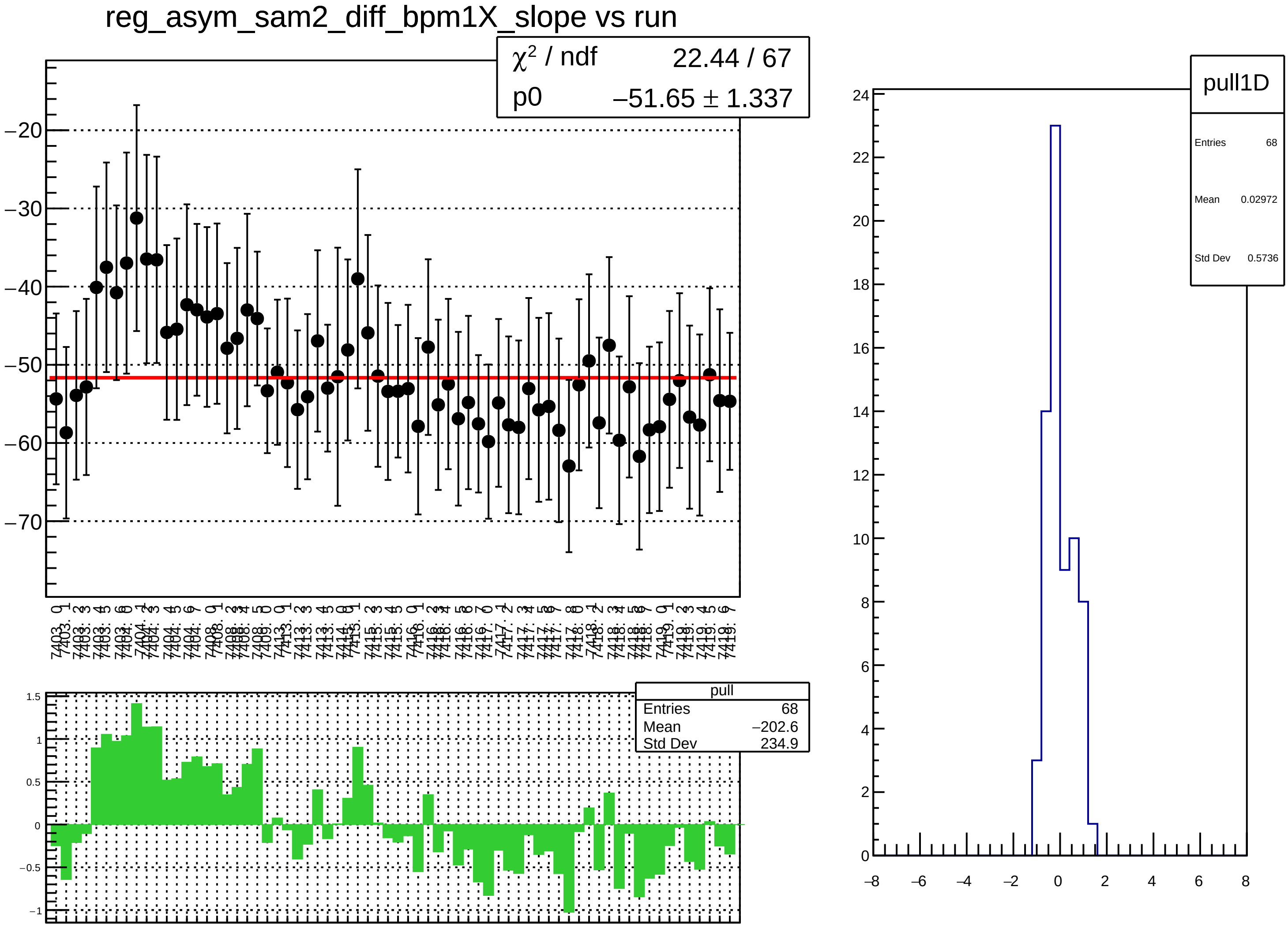


reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 66.42 / 67
p0 −0.9222 ± 0.2618
pull
Entries 68
Mean −70.99
Std Dev 99.59
pull1D
Entries 68
Mean −0.08329
Std Dev 0.9848

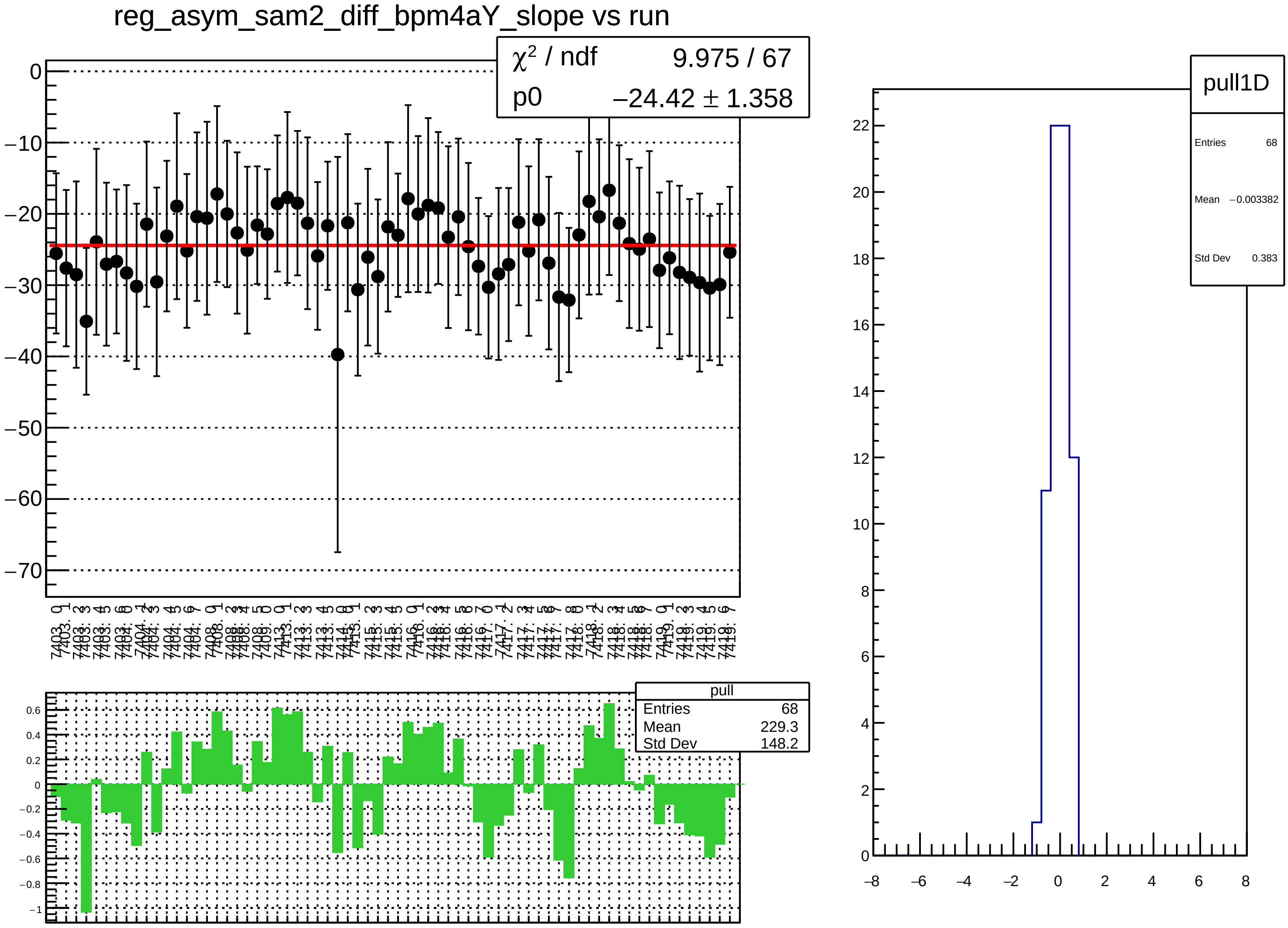


reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 113.8 / 67
p0 10.4 ± 0.2723
pull
Entries 68
Mean −271.9
Std Dev 308.1
pull1D
Entries 68
Mean −0.05585
Std Dev 1.292

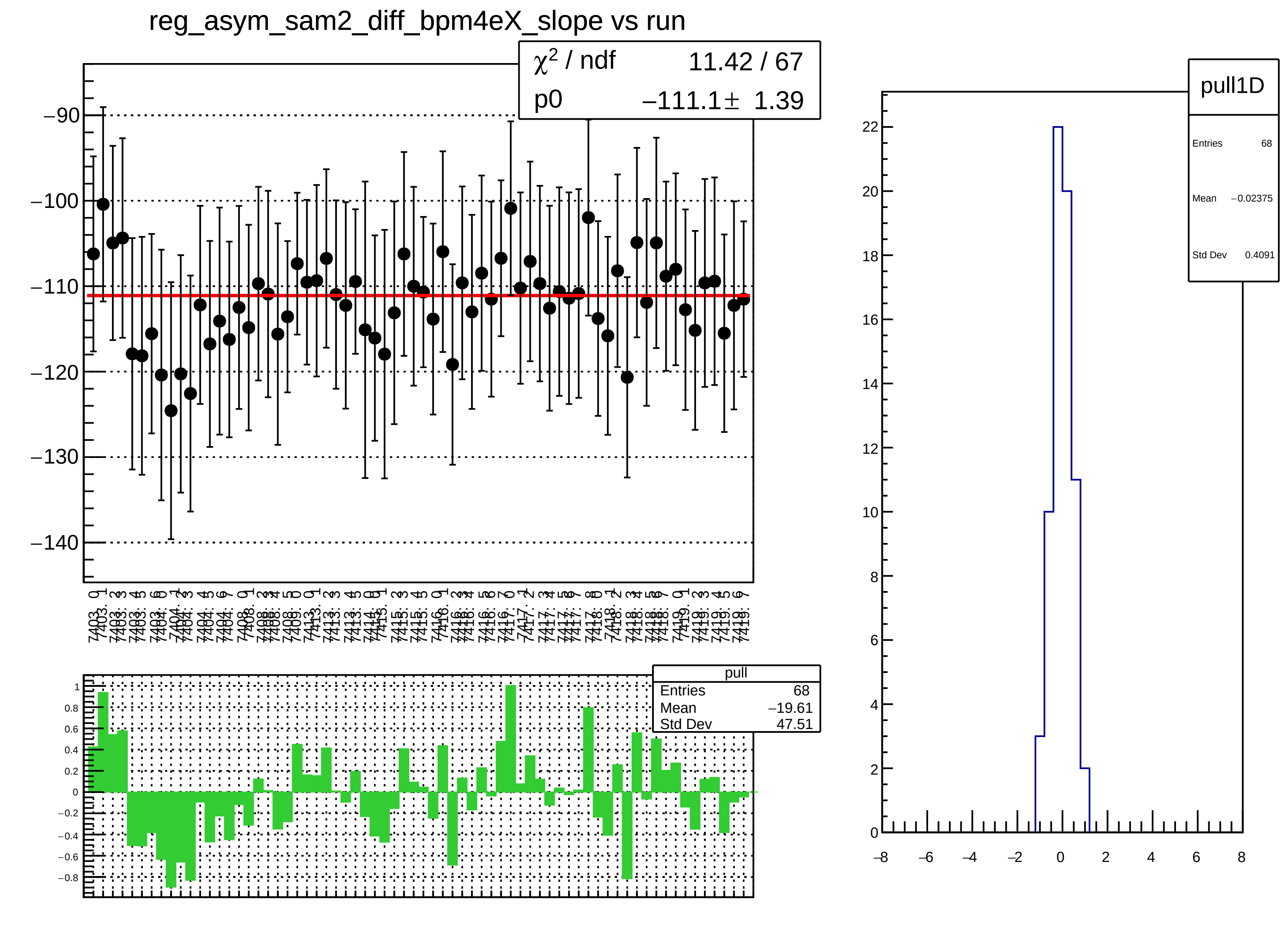

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 38.82 / 67
p0 0.4481 ± 0.01196
pull
Entries 68
Mean 114.7
Std Dev 30.41
pull1D
Entries 68
Mean 0.003213
Std Dev 0.7556



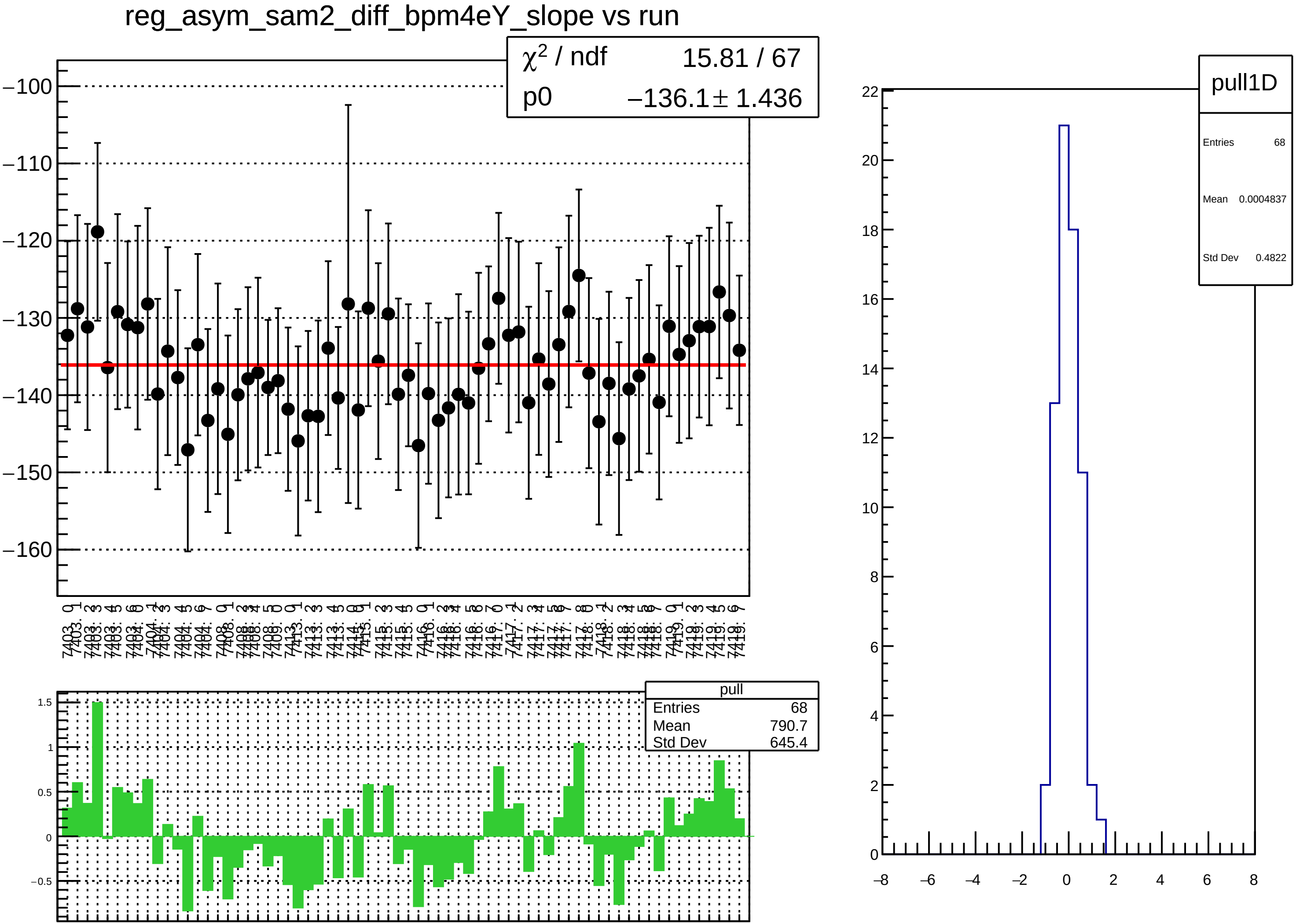
reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 22.44 / 67
p0 −51.65 ± 1.337
pull
Entries 68
Mean −202.6
Std Dev 234.9
pull1D
Entries 68
Mean 0.02972
Std Dev 0.5736



reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 9.975 / 67
p0 −24.42 ± 1.358
pull
Entries 68
Mean 229.3
Std Dev 148.2
pull1D
Entries 68
Mean −0.003382
Std Dev 0.383

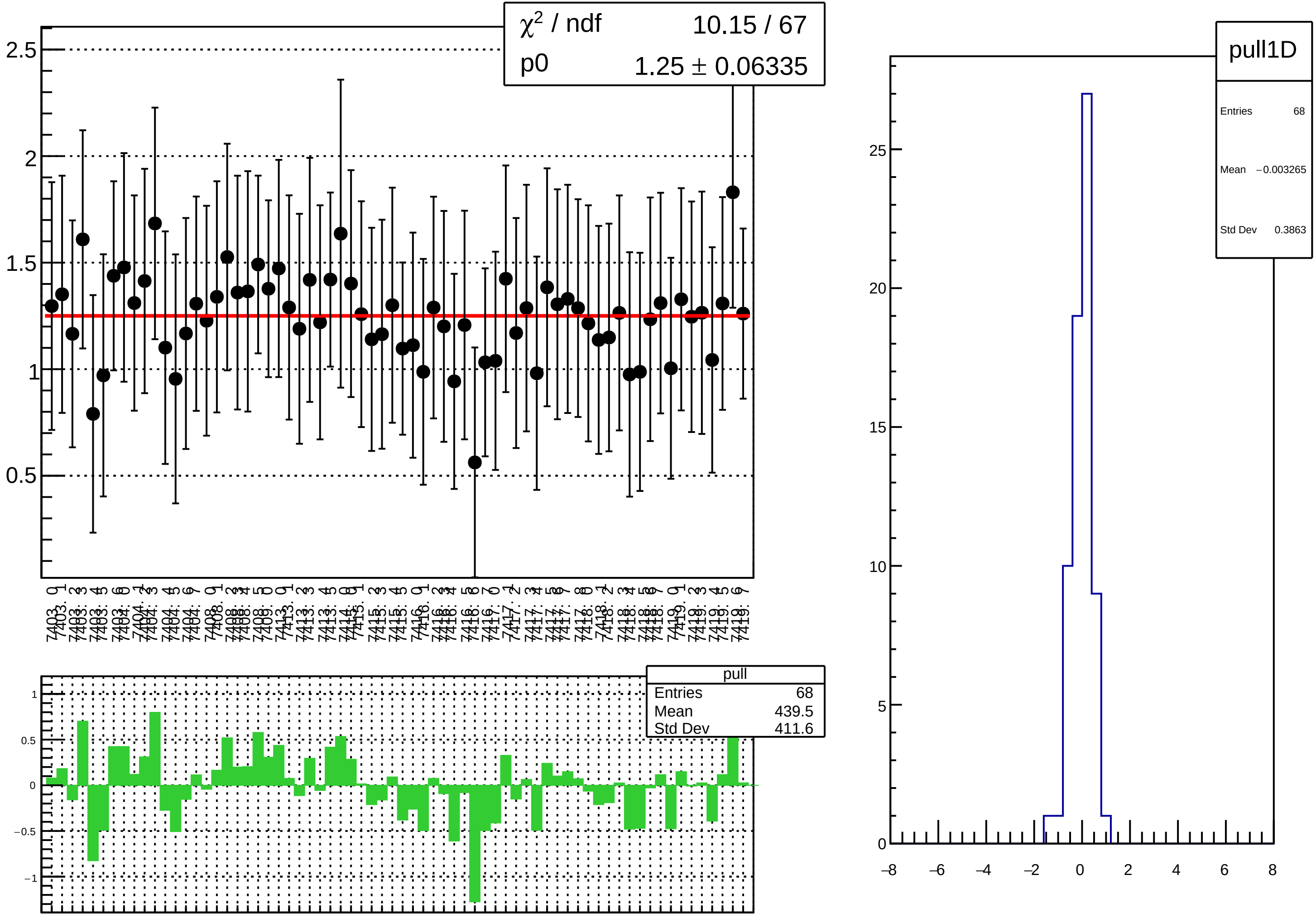


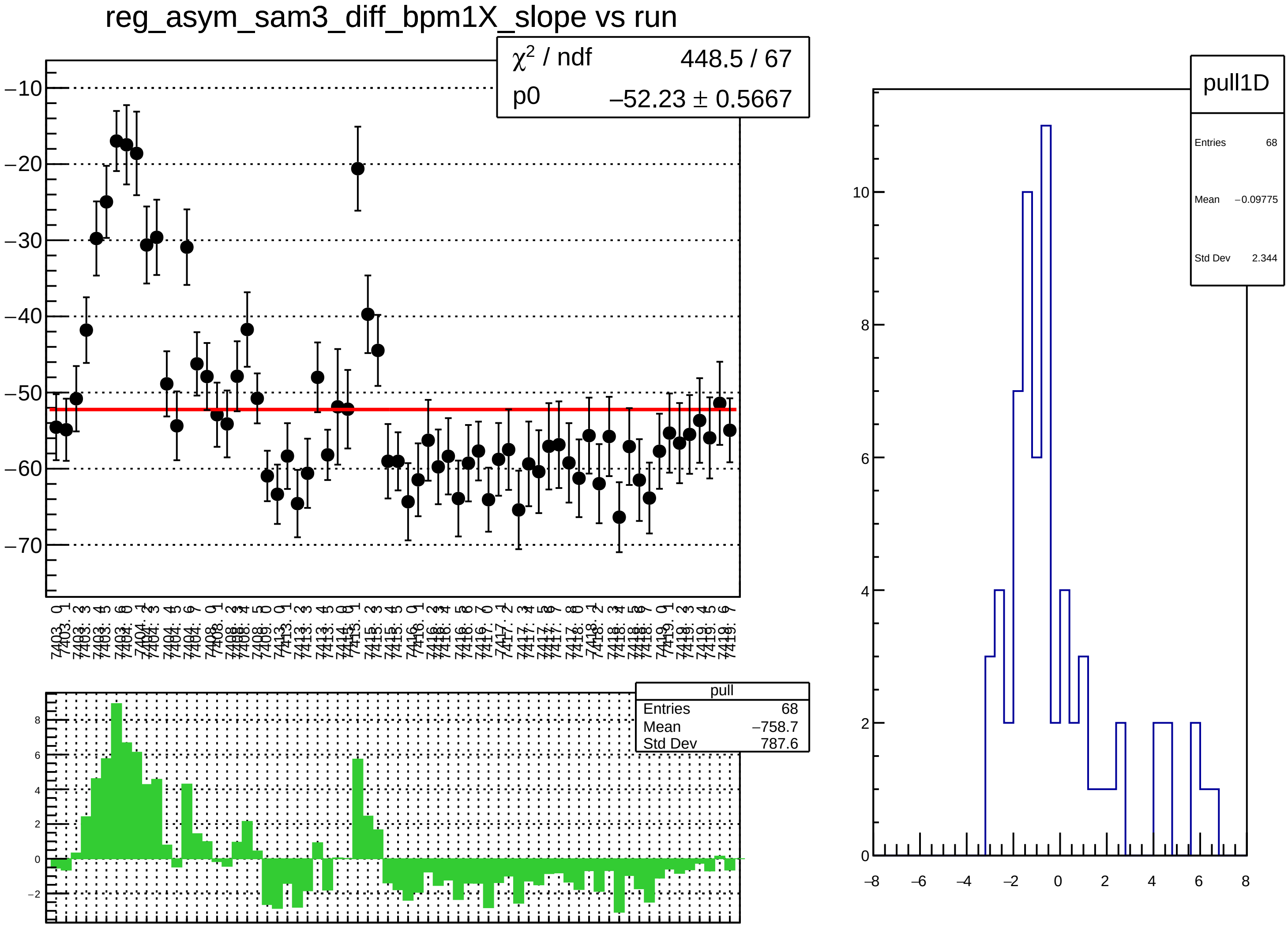
reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 11.42 / 67
p0 −111.1 ± 1.39
pull
Entries 68
Mean −19.61
Std Dev 47.51
pull1D
Entries 68
Mean −0.02375
Std Dev 0.4091



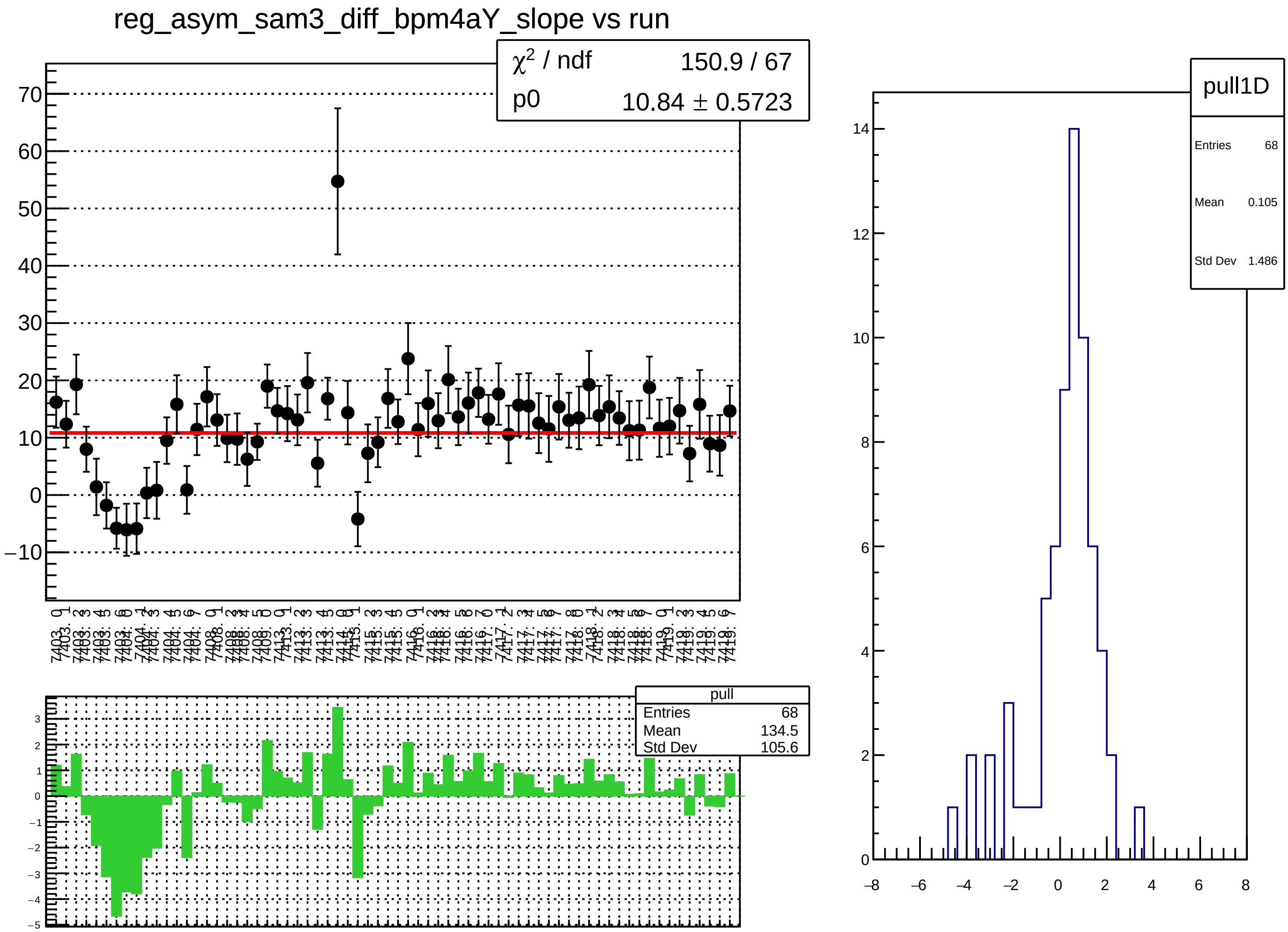
reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 15.81 / 67
p0 −136.1 ± 1.436
pull
Entries 68
Mean 790.7
Std Dev 645.4
pull1D
Entries 68
Mean 0.0004837
Std Dev 0.4822

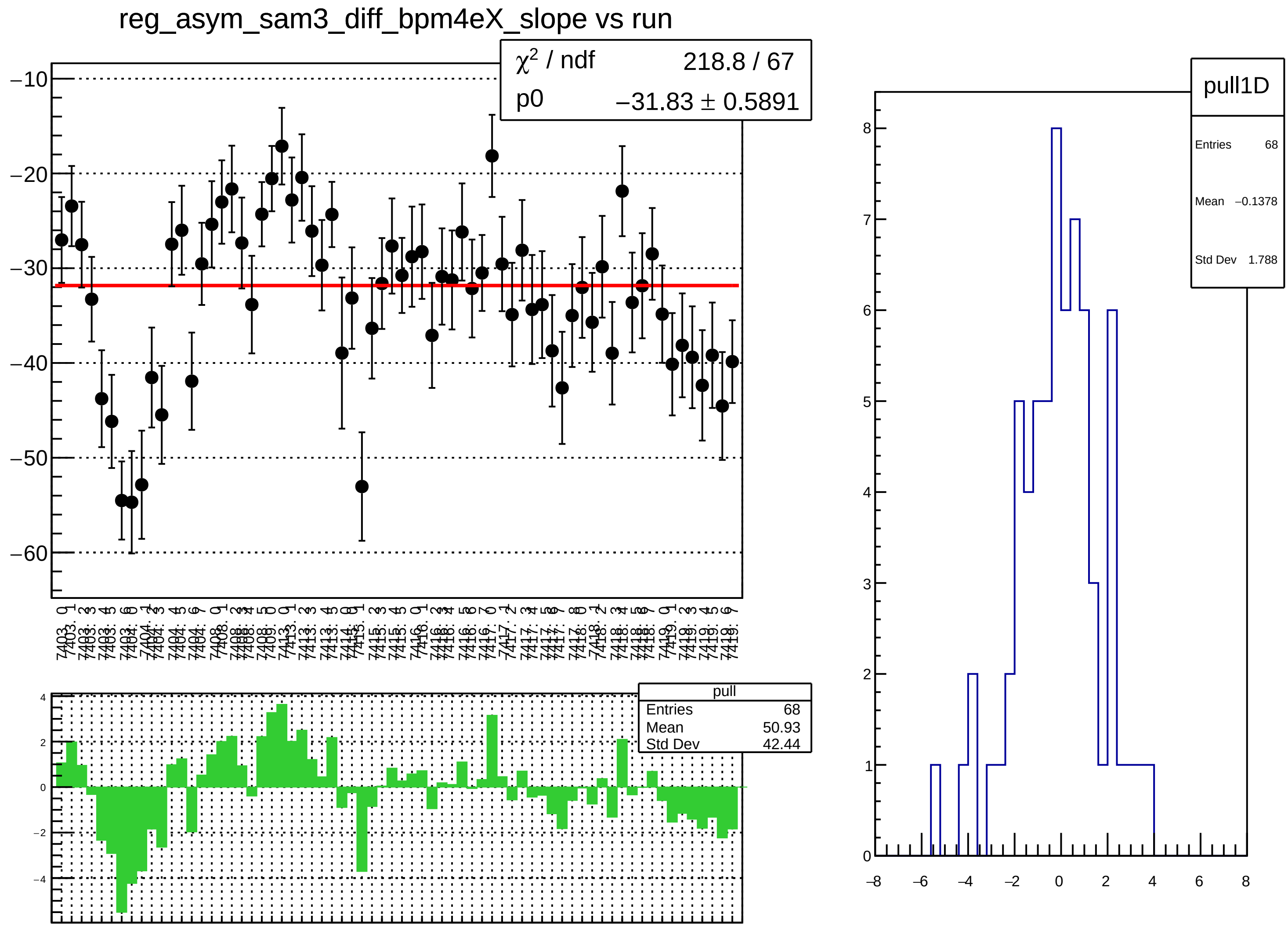
reg_asym_sam2_diff_bpm12X_slope vs run

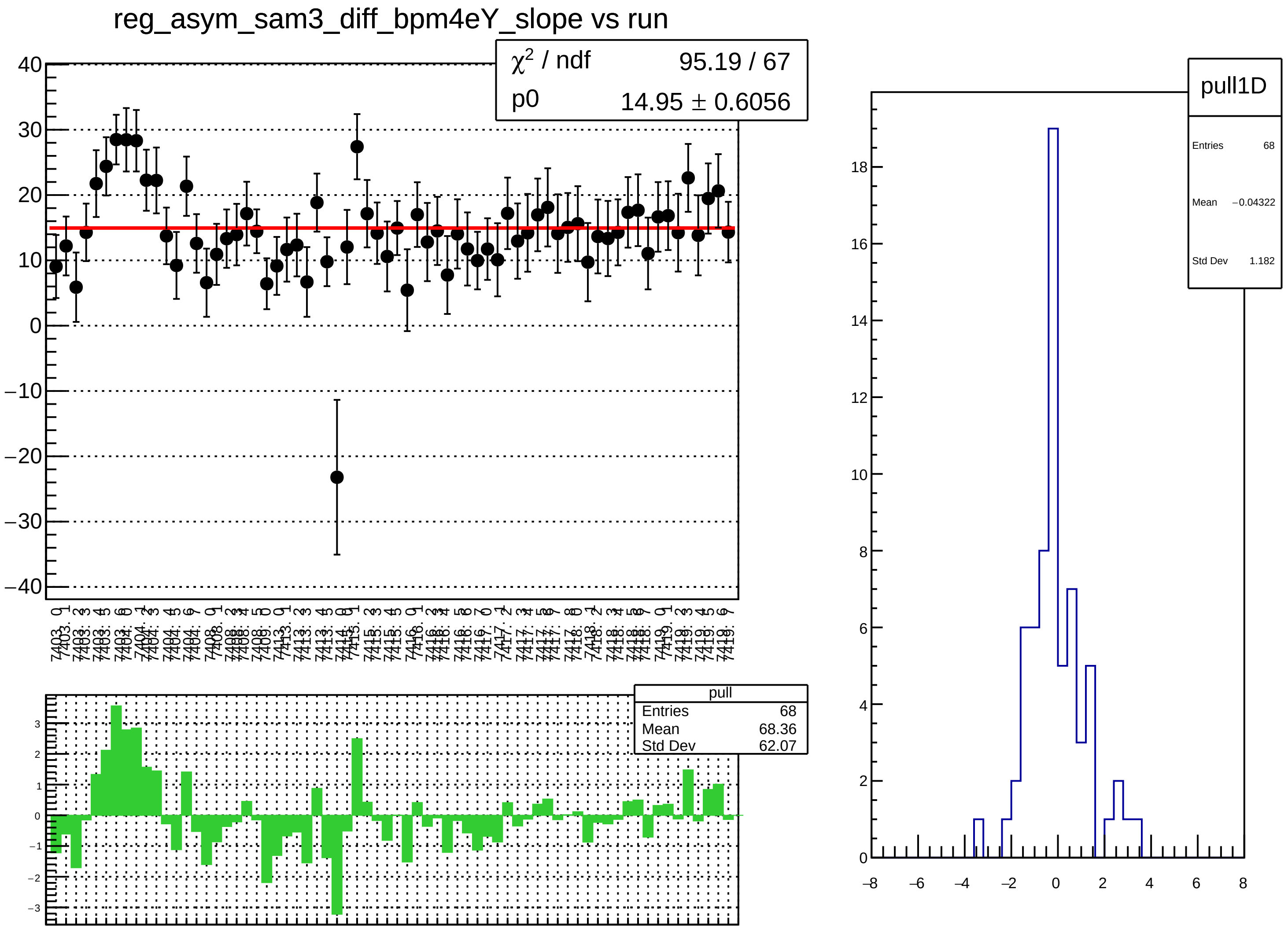


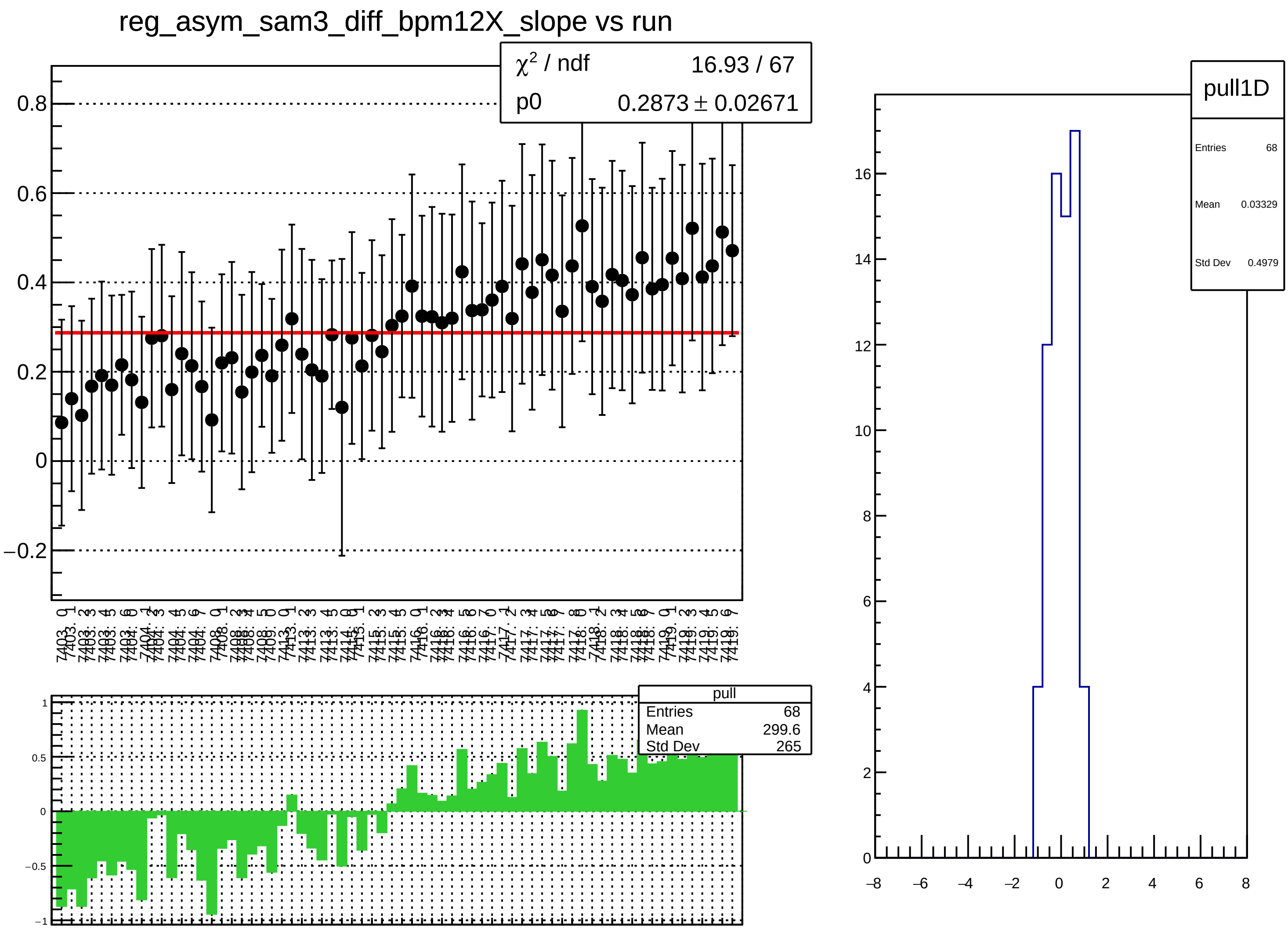


reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 448.5 / 67
p0 −52.23 ± 0.5667
pull
Entries 68
Mean −758.7
Std Dev 787.6
pull1D
Entries 68
Mean −0.09775
Std Dev 2.344

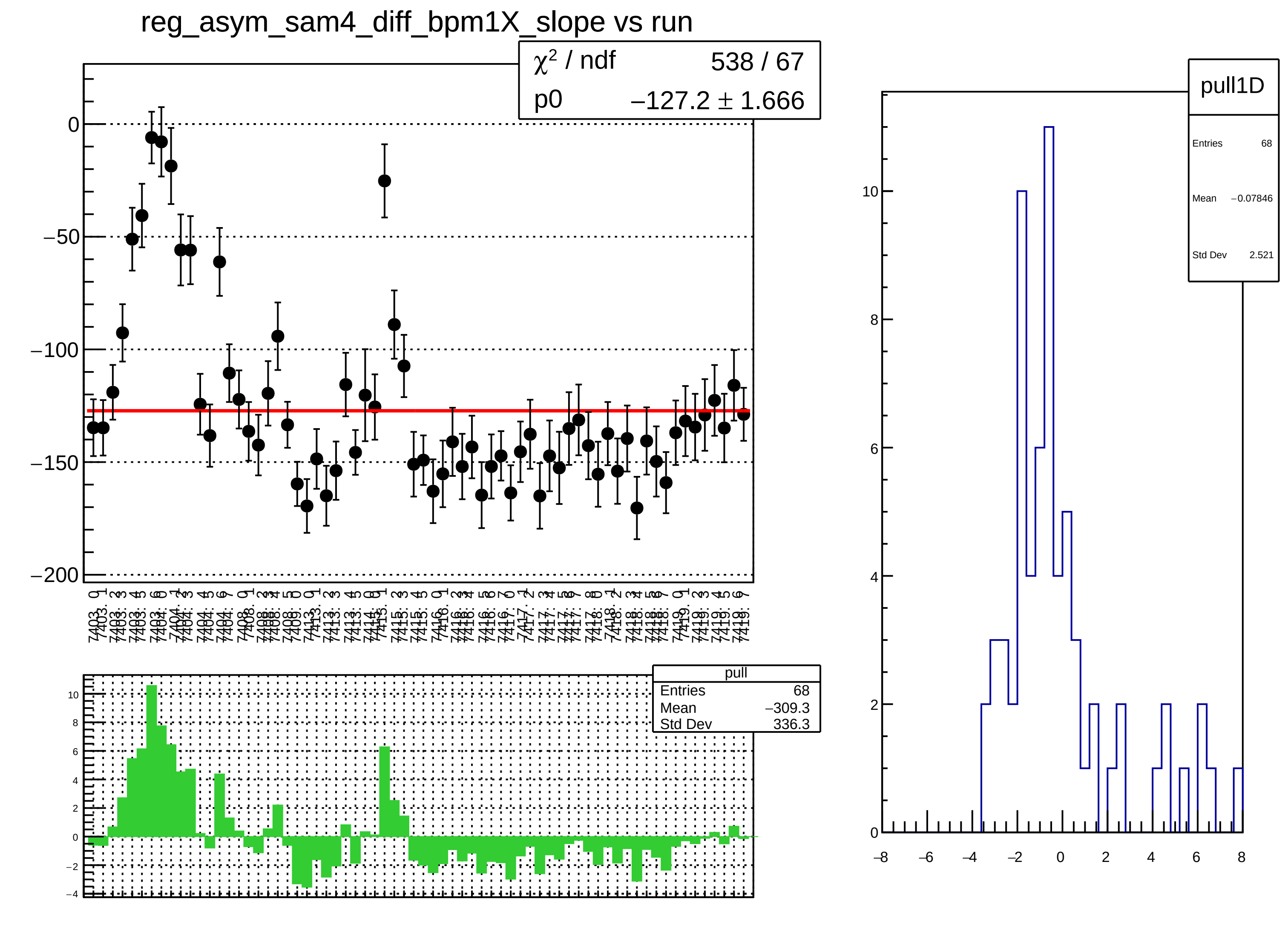

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 150.9 / 67
p0 10.84 ± 0.5723
pull
Entries 68
Mean 134.5
Std Dev 105.6
pull1D
Entries 68
Mean 0.105
Std Dev 1.486

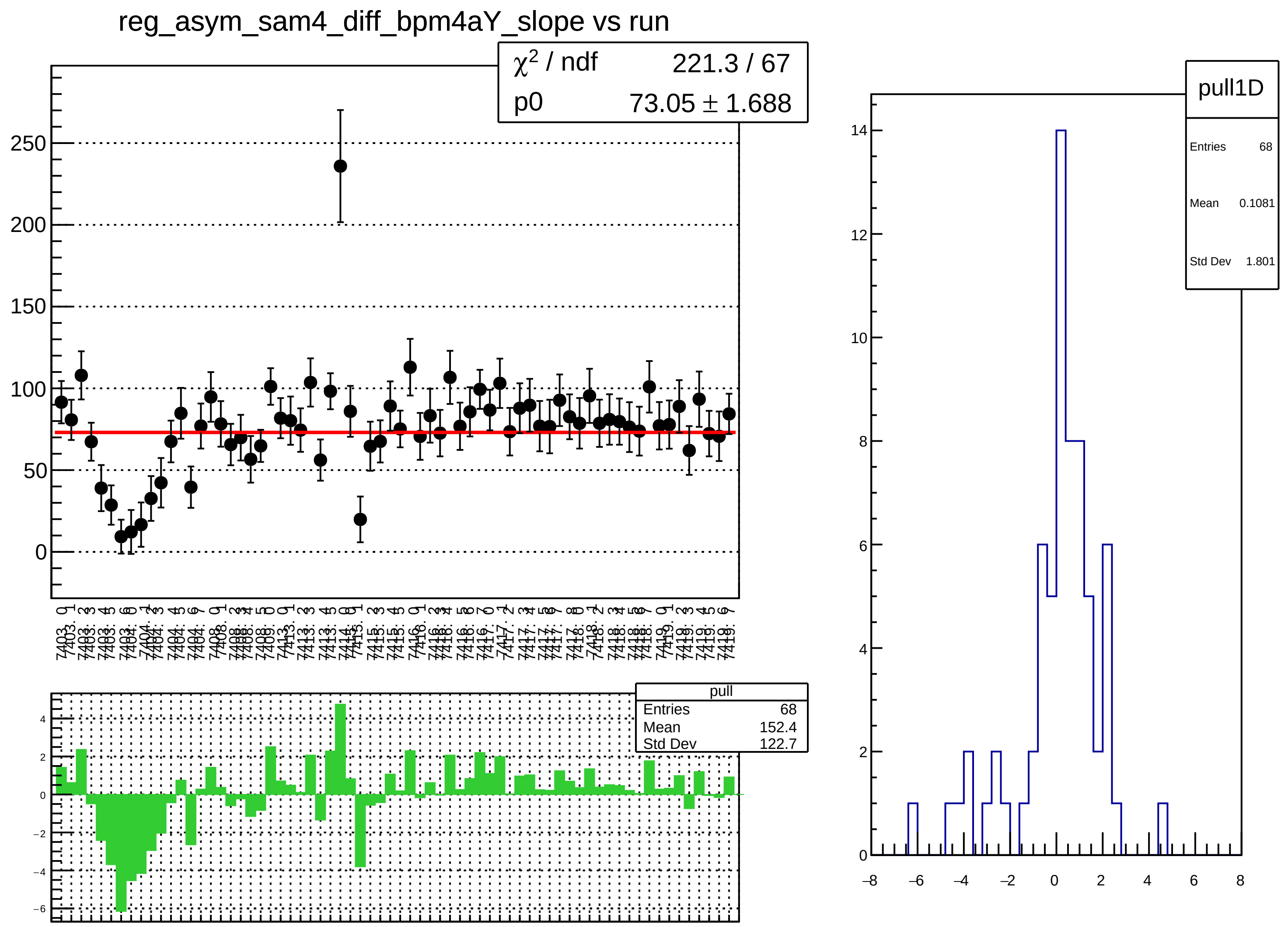

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 218.8 / 67
p0 −31.83 ± 0.5891
−10
−20
−30
−40
−50
−60
pull
Entries 68
Mean 50.93
Std Dev 42.44
4
2
0
−2
−4
pull1D
Entries 68
Mean −0.1378
Std Dev 1.788
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 95.19 / 67
p0 14.95 ± 0.6056
pull
Entries 68
Mean 68.36
Std Dev 62.07
pull1D
Entries 68
Mean −0.04322
Std Dev 1.182

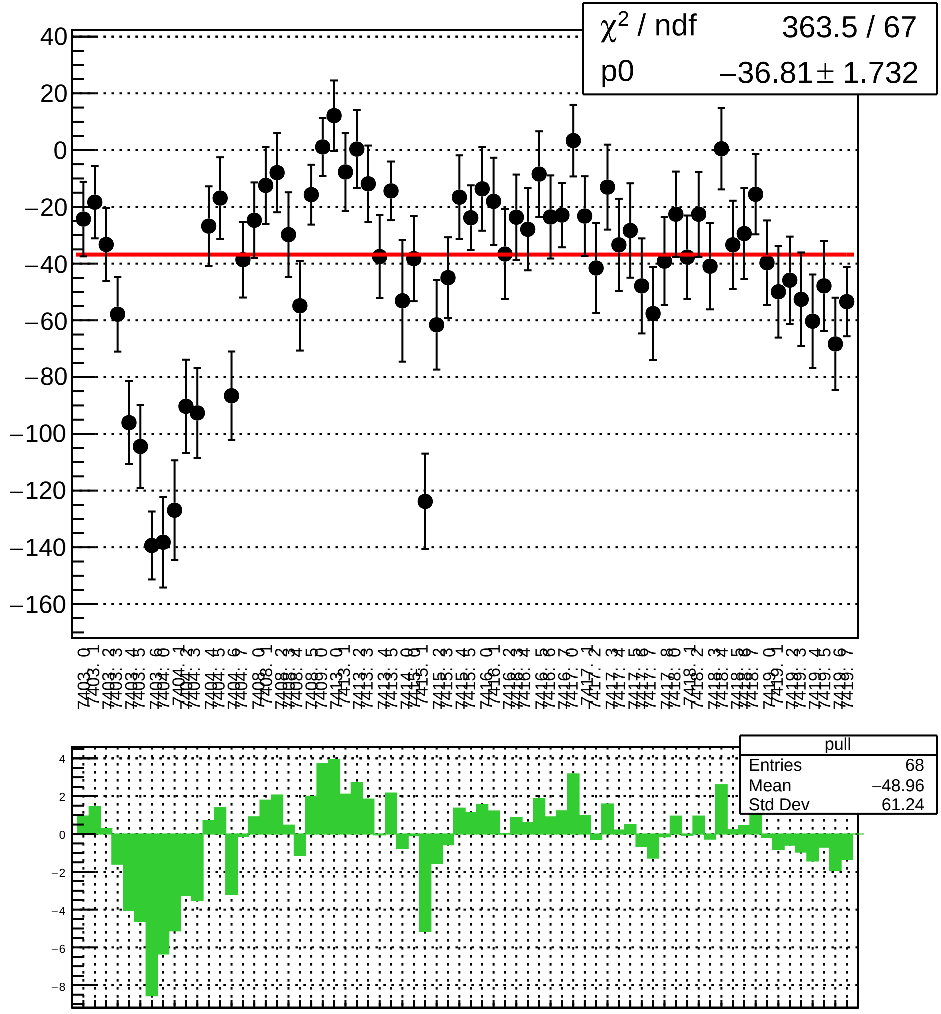


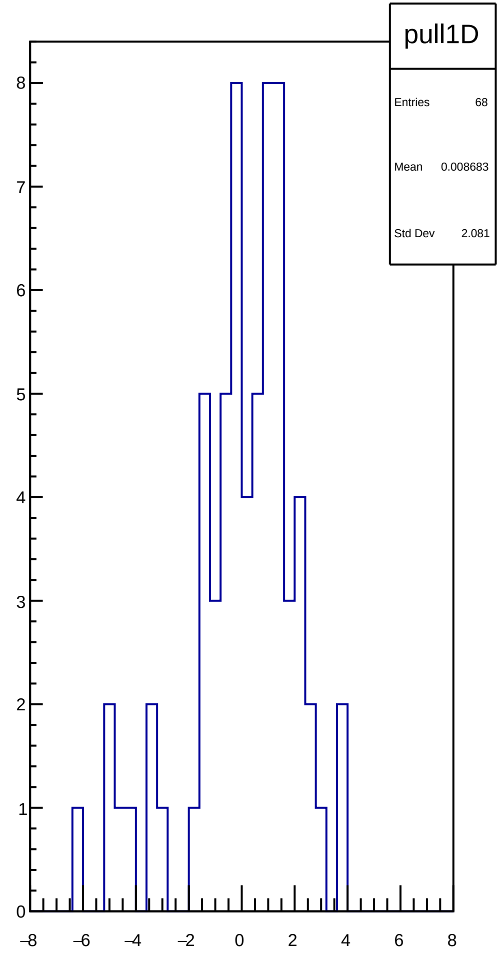
reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 16.93 / 67
p0 0.2873 ± 0.02671
pull
Entries 68
Mean 299.6
Std Dev 265
pull1D
Entries 68
Mean 0.03329
Std Dev 0.4979

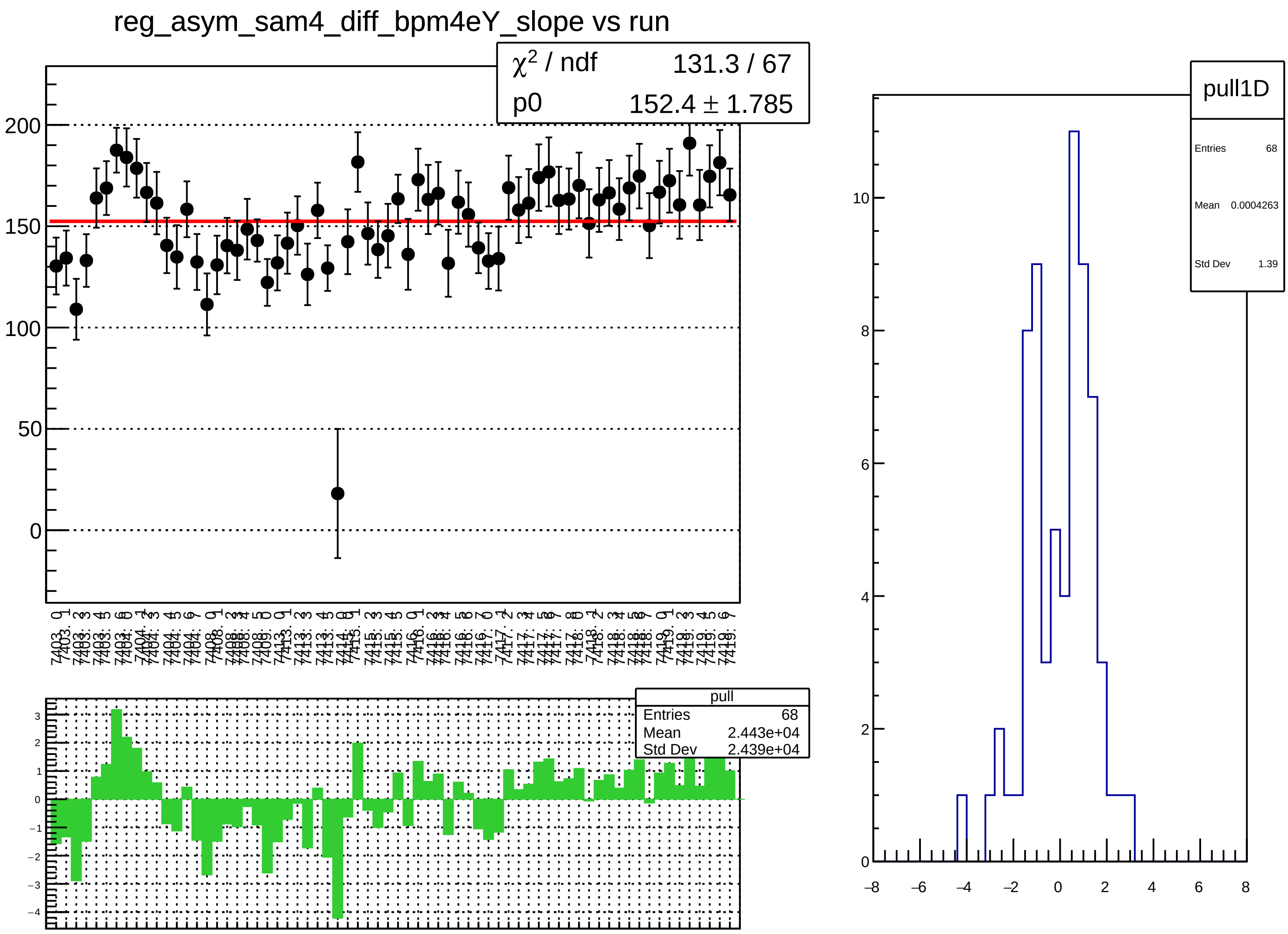

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 538 / 67
p0 −127.2 ± 1.666
pull
Entries 68
Mean −309.3
Std Dev 336.3
pull1D
Entries 68
Mean −0.07846
Std Dev 2.521


reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 221.3 / 67
p0 73.05 ± 1.688
pull
Entries 68
Mean 152.4
Std Dev 122.7
pull1D
Entries 68
Mean 0.1081
Std Dev 1.801

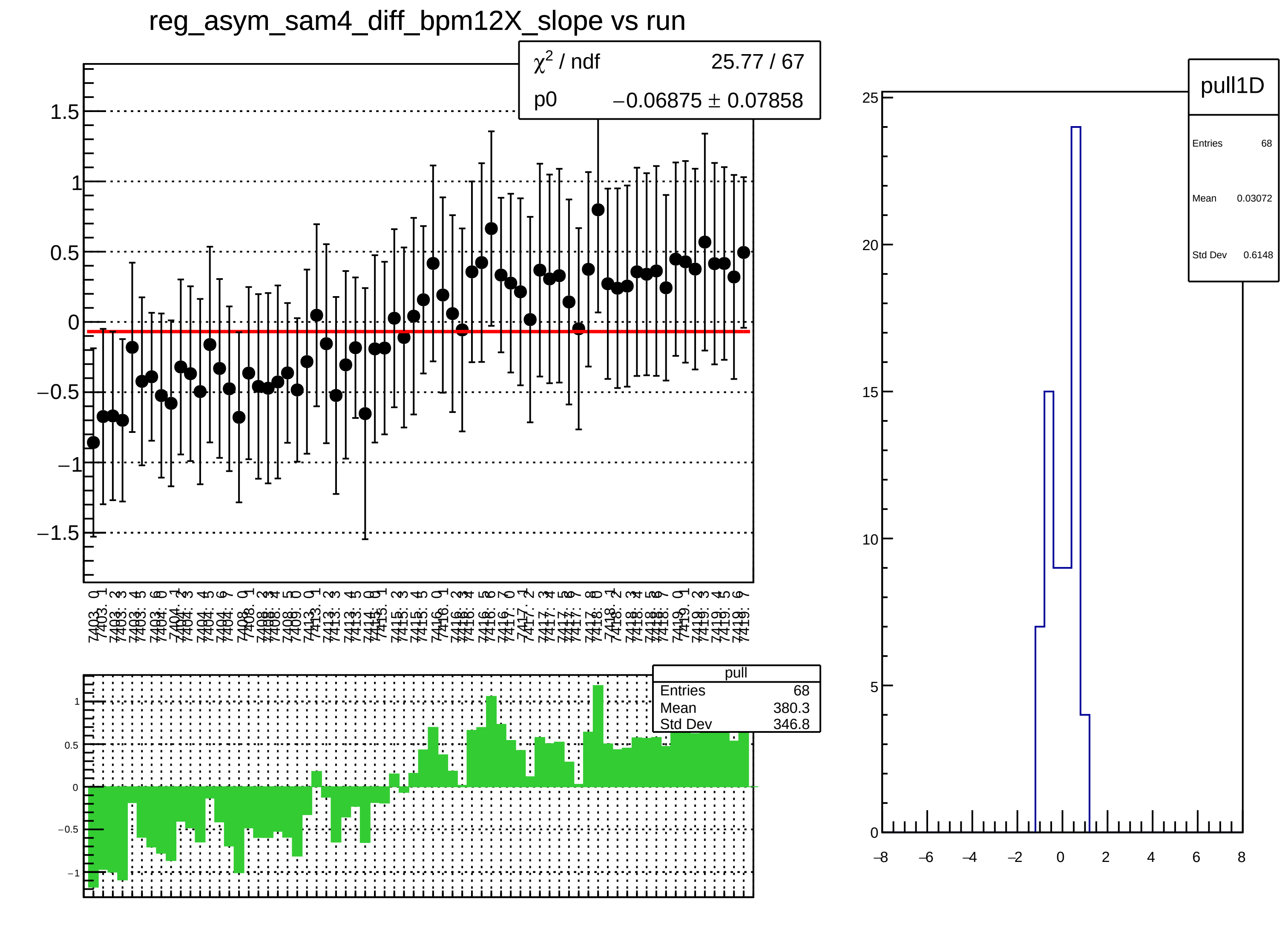
reg_asym_sam4_diff_bpm4eX_slope vs run



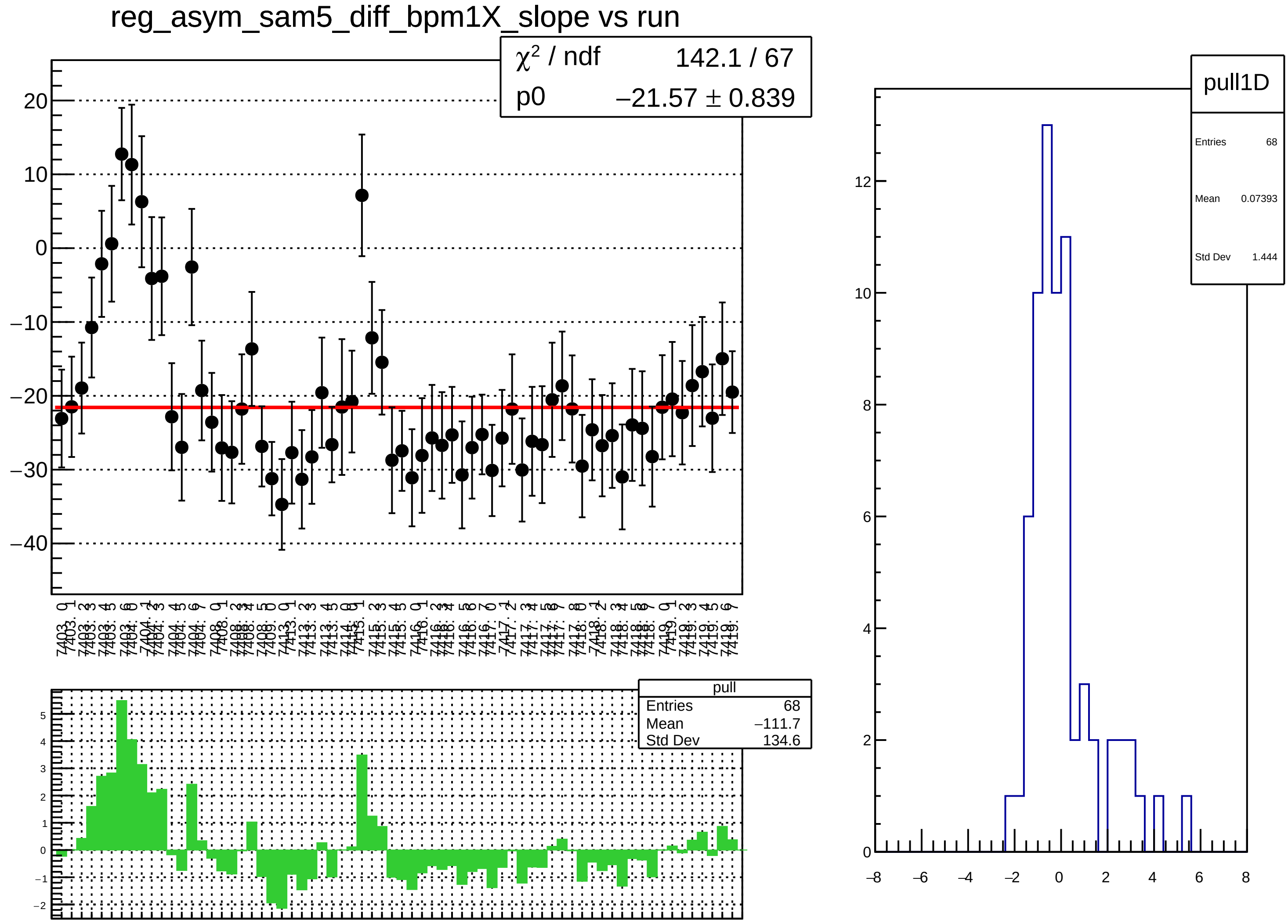




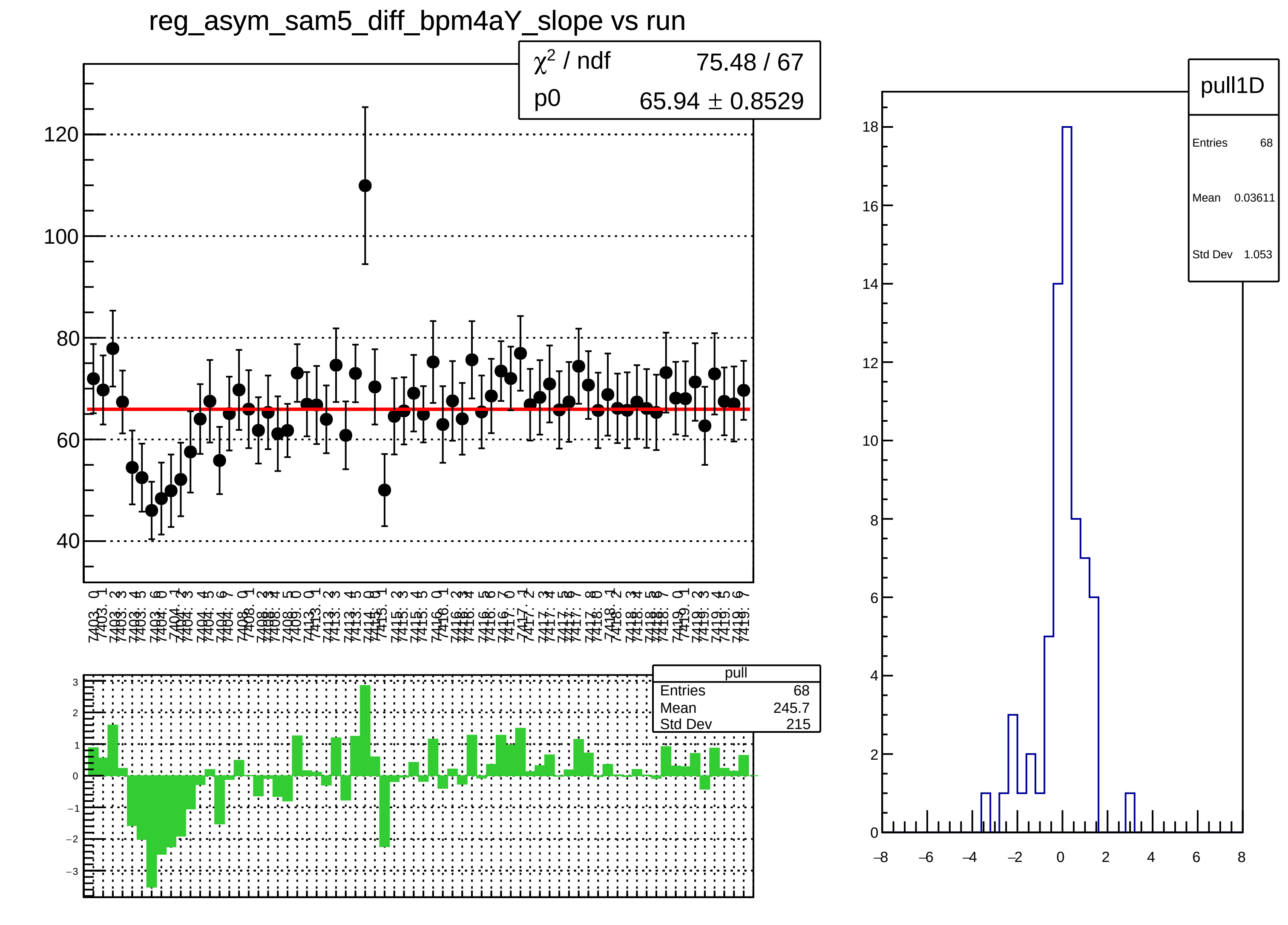
reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 131.3 / 67
p0 152.4 ± 1.785
pull
Entries 68
Mean 2.443e+04
Std Dev 2.439e+04
pull1D
Entries 68
Mean 0.0004263
Std Dev 1.39



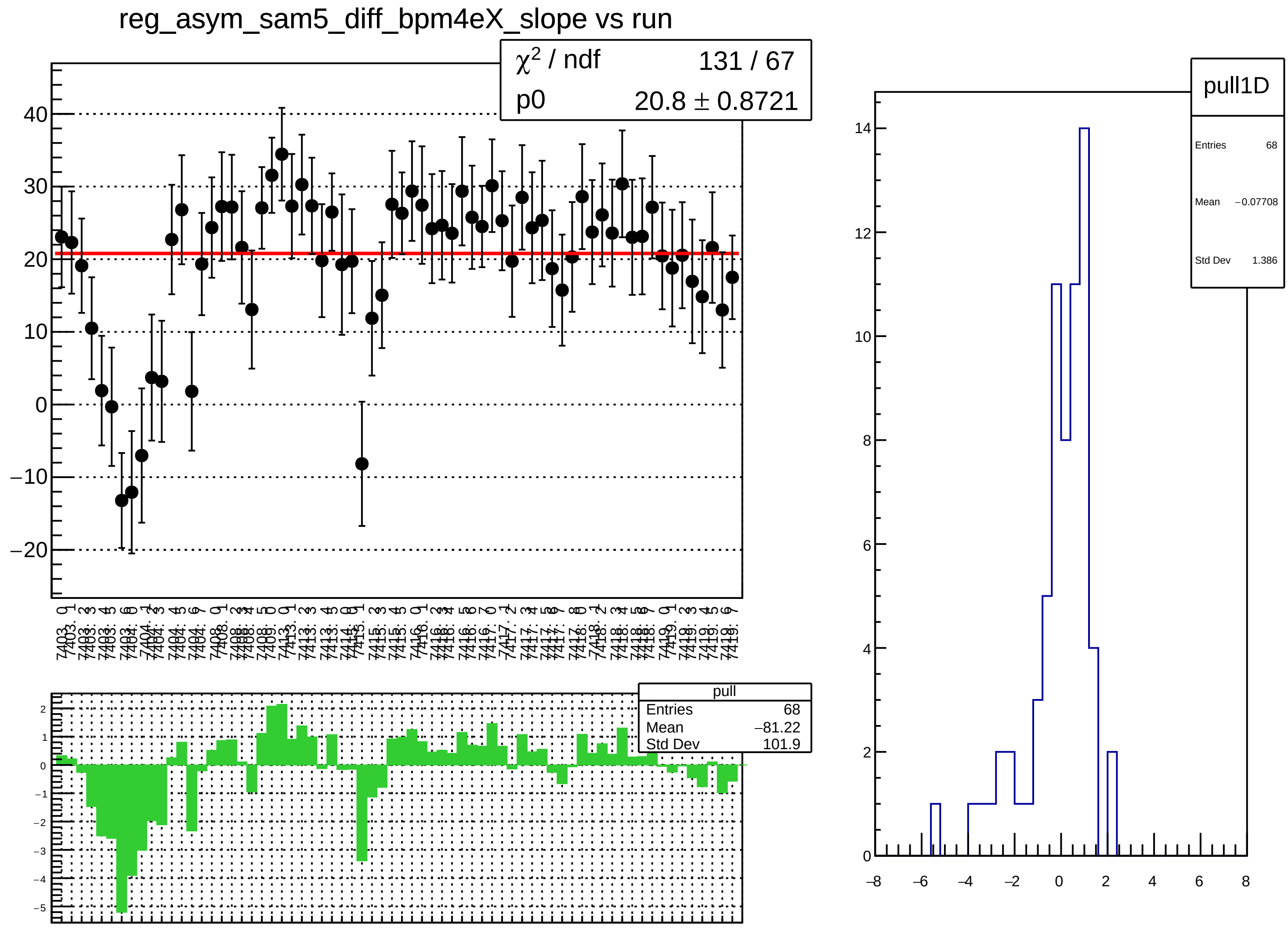
reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 25.77 / 67
p0 −0.06875 ± 0.07858
pull
Entries 68
Mean 380.3
Std Dev 346.8
pull1D
Entries 68
Mean 0.03072
Std Dev 0.6148



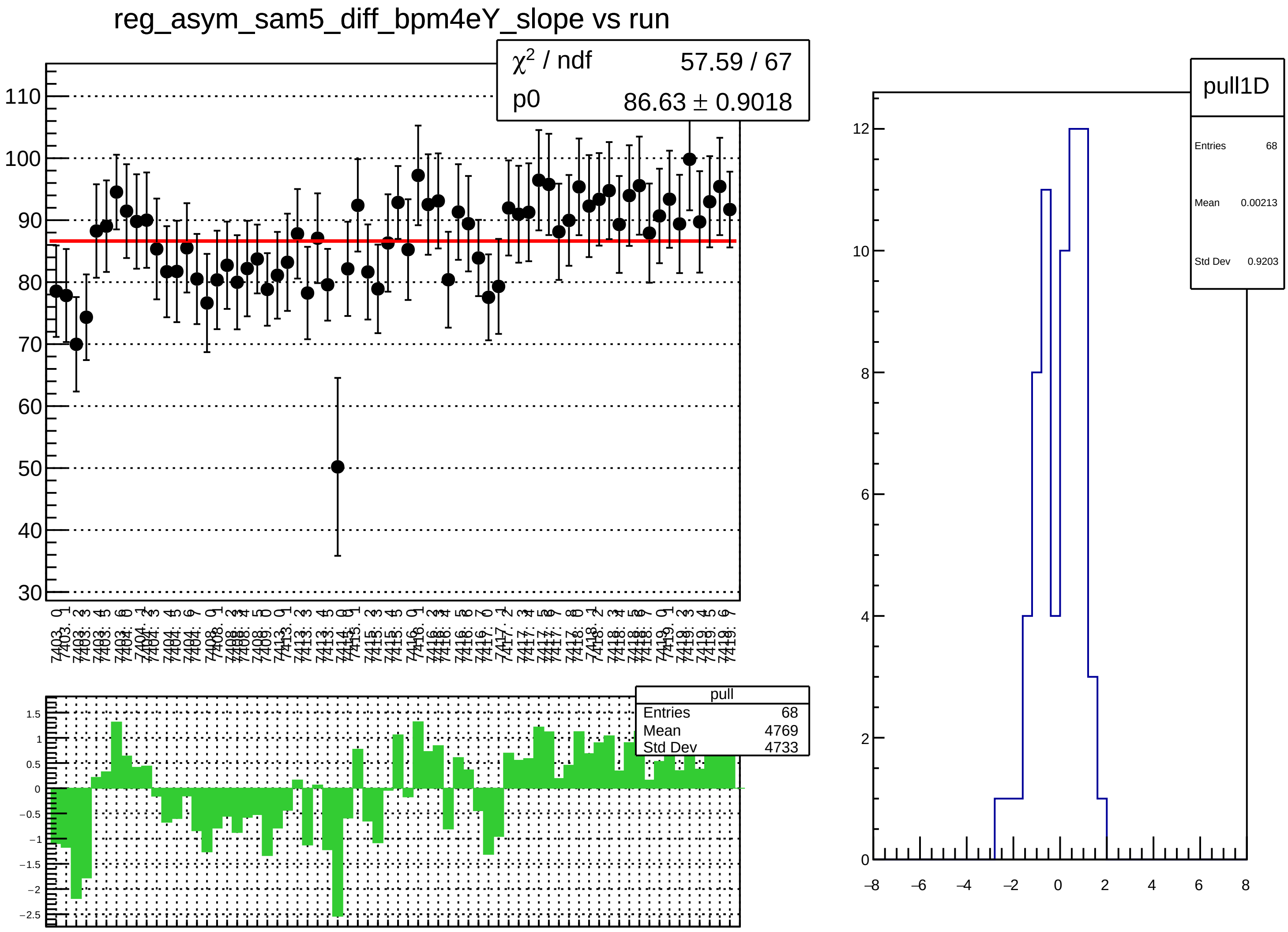
reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 142.1 / 67
p0 −21.57 ± 0.839
pull
Entries 68
Mean −111.7
Std Dev 134.6
pull1D
Entries 68
Mean 0.07393
Std Dev 1.444



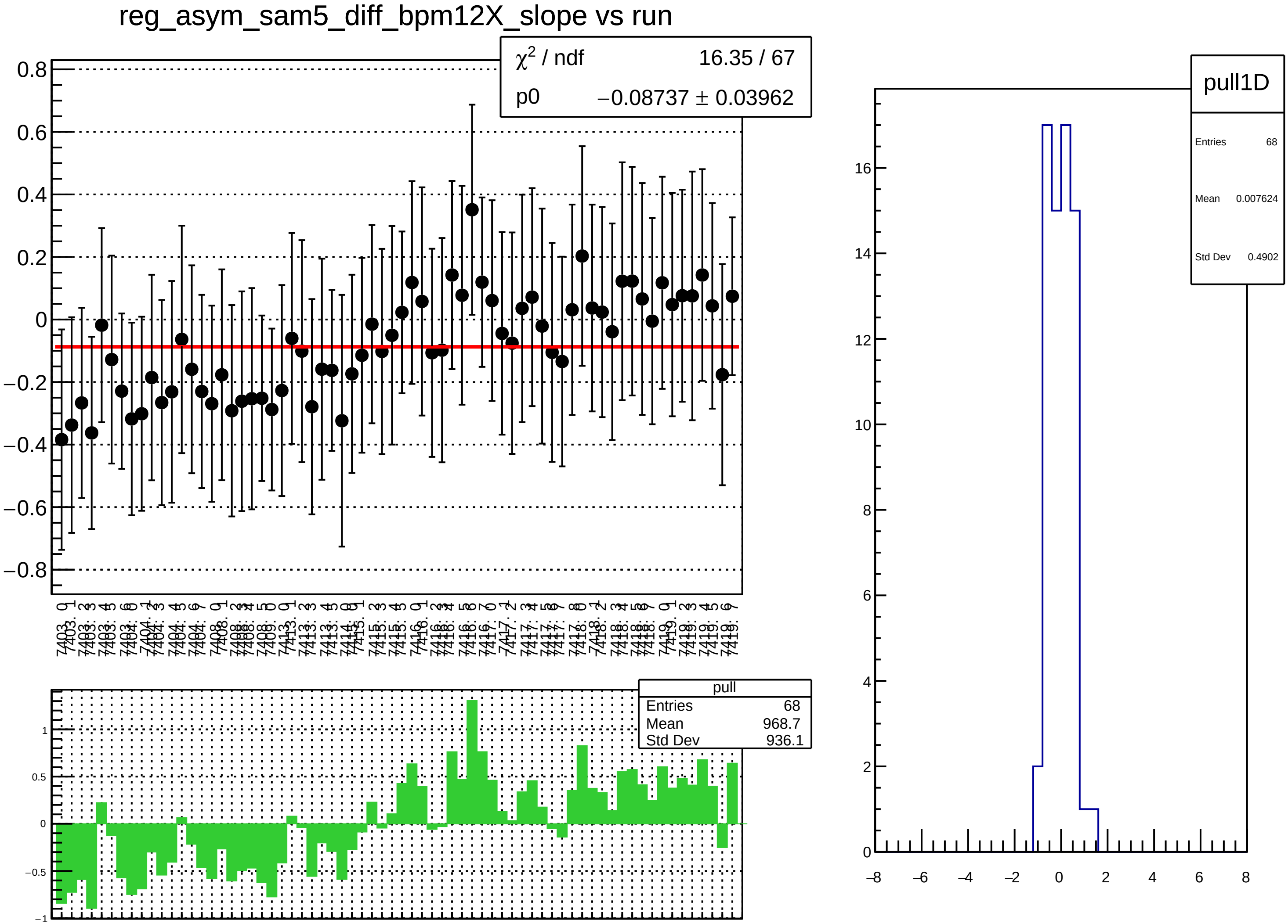
reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 75.48 / 67
p0 65.94 ± 0.8529
pull
Entries 68
Mean 245.7
Std Dev 215
pull1D
Entries 68
Mean 0.03611
Std Dev 1.053



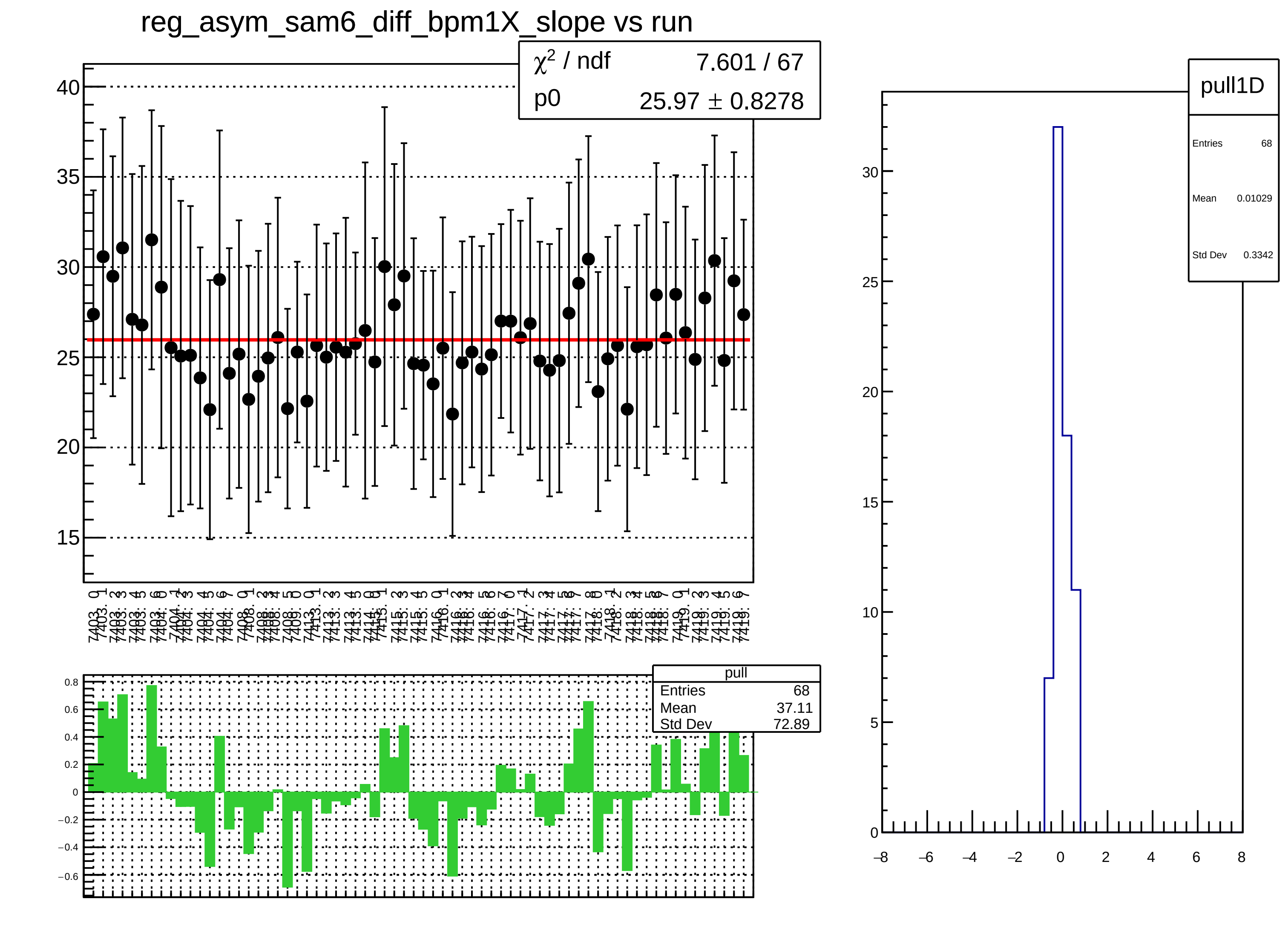
reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 131 / 67
p0 20.8 ± 0.8721
pull
Entries 68
Mean −81.22
Std Dev 101.9
pull1D
Entries 68
Mean −0.07708
Std Dev 1.386



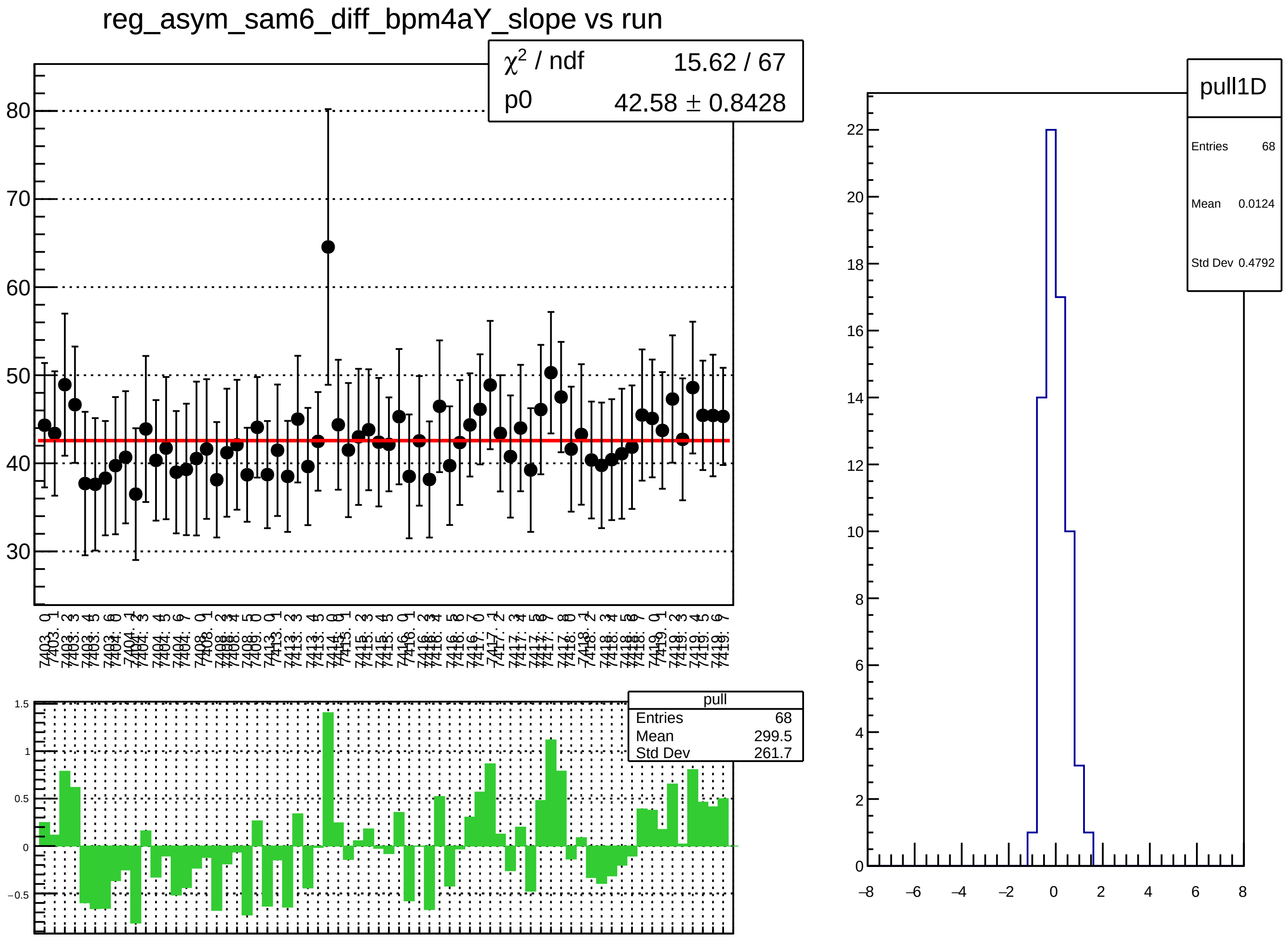
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 57.59 / 67
p0 86.63 ± 0.9018
pull
Entries 68
Mean 4769
Std Dev 4733
pull1D
Entries 68
Mean 0.00213
Std Dev 0.9203

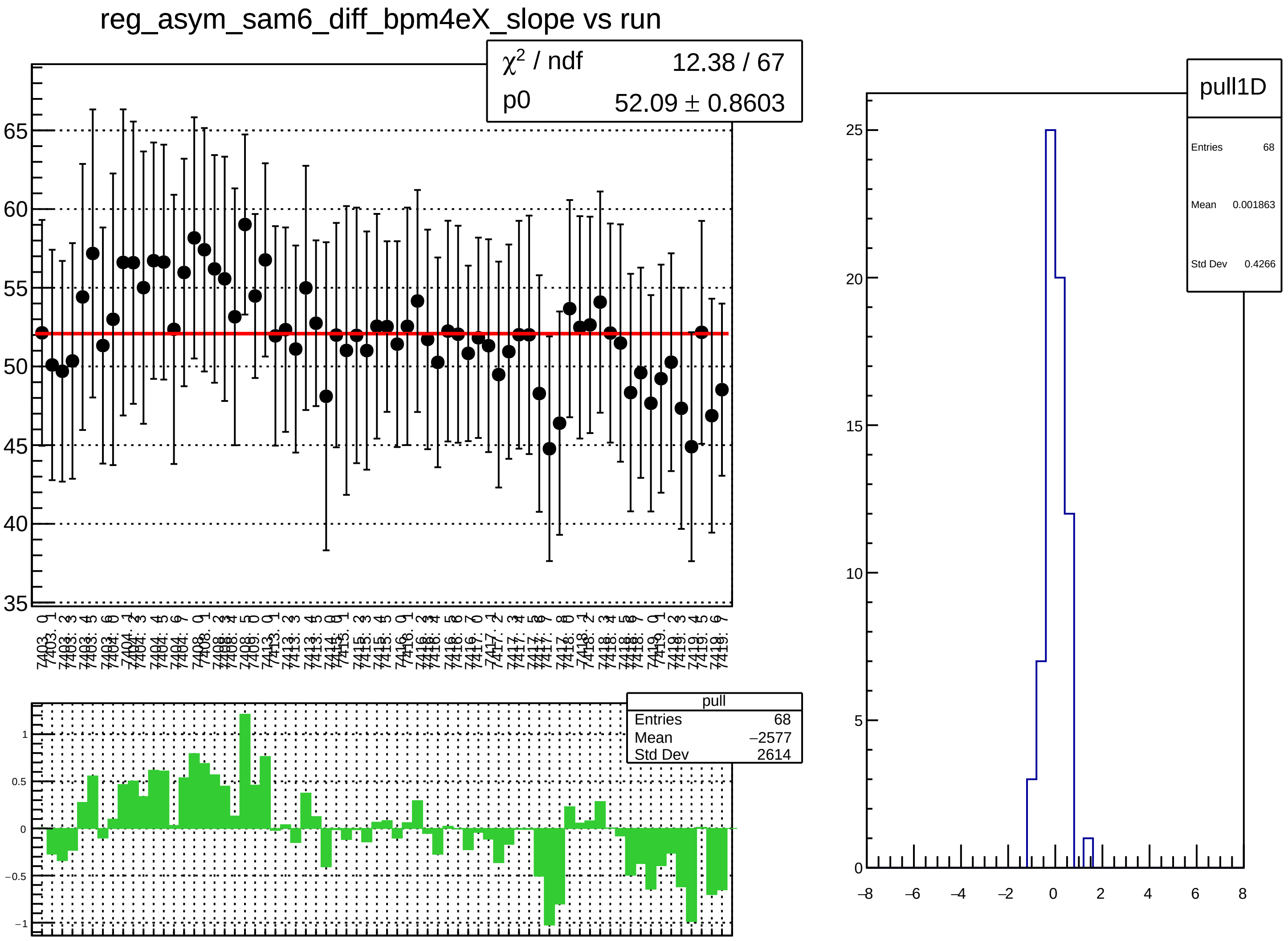


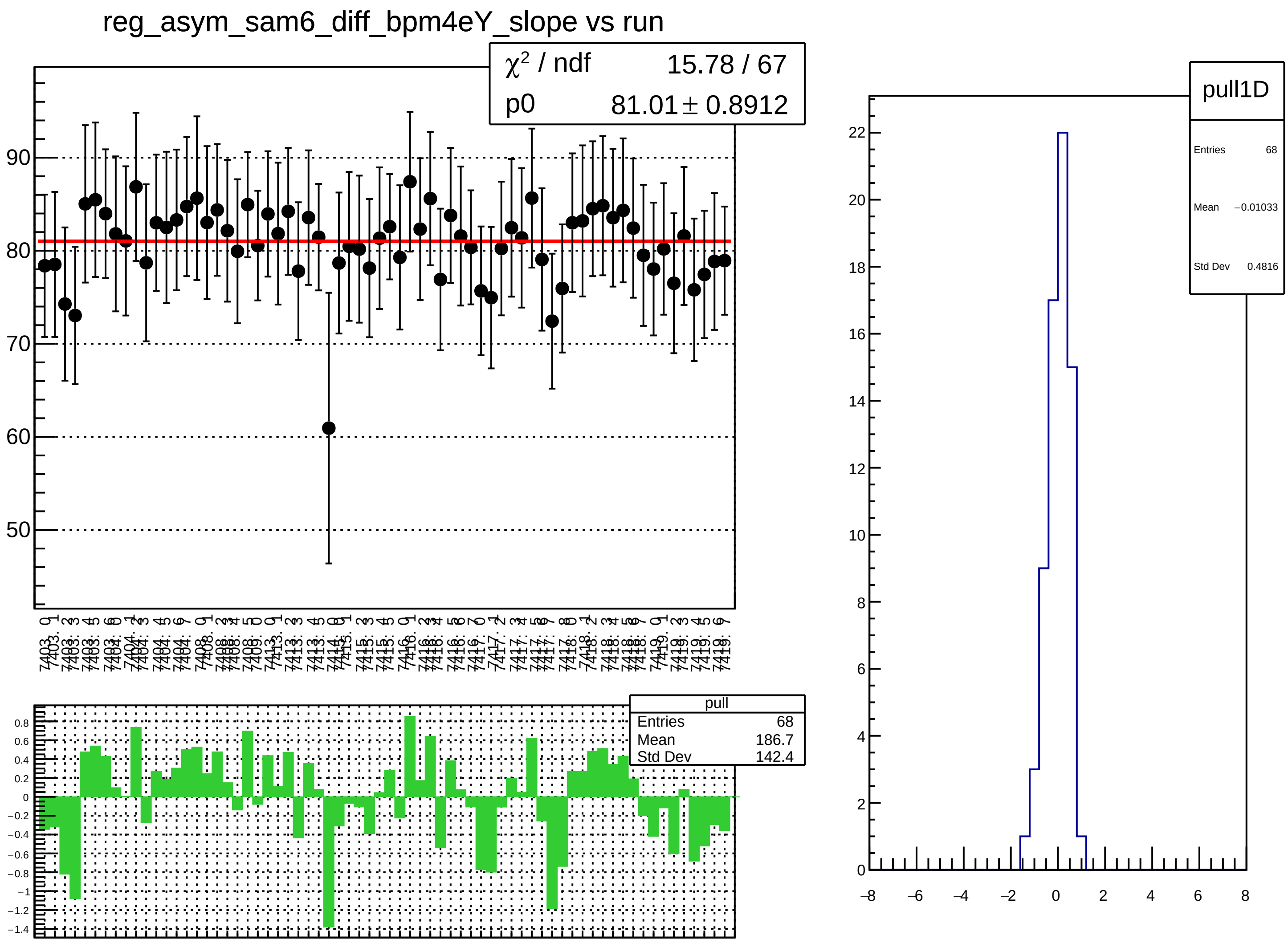
reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 16.35 / 67
p0 −0.08737 ± 0.03962
pull
Entries 68
Mean 968.7
Std Dev 936.1
pull1D
Entries 68
Mean 0.007624
Std Dev 0.4902



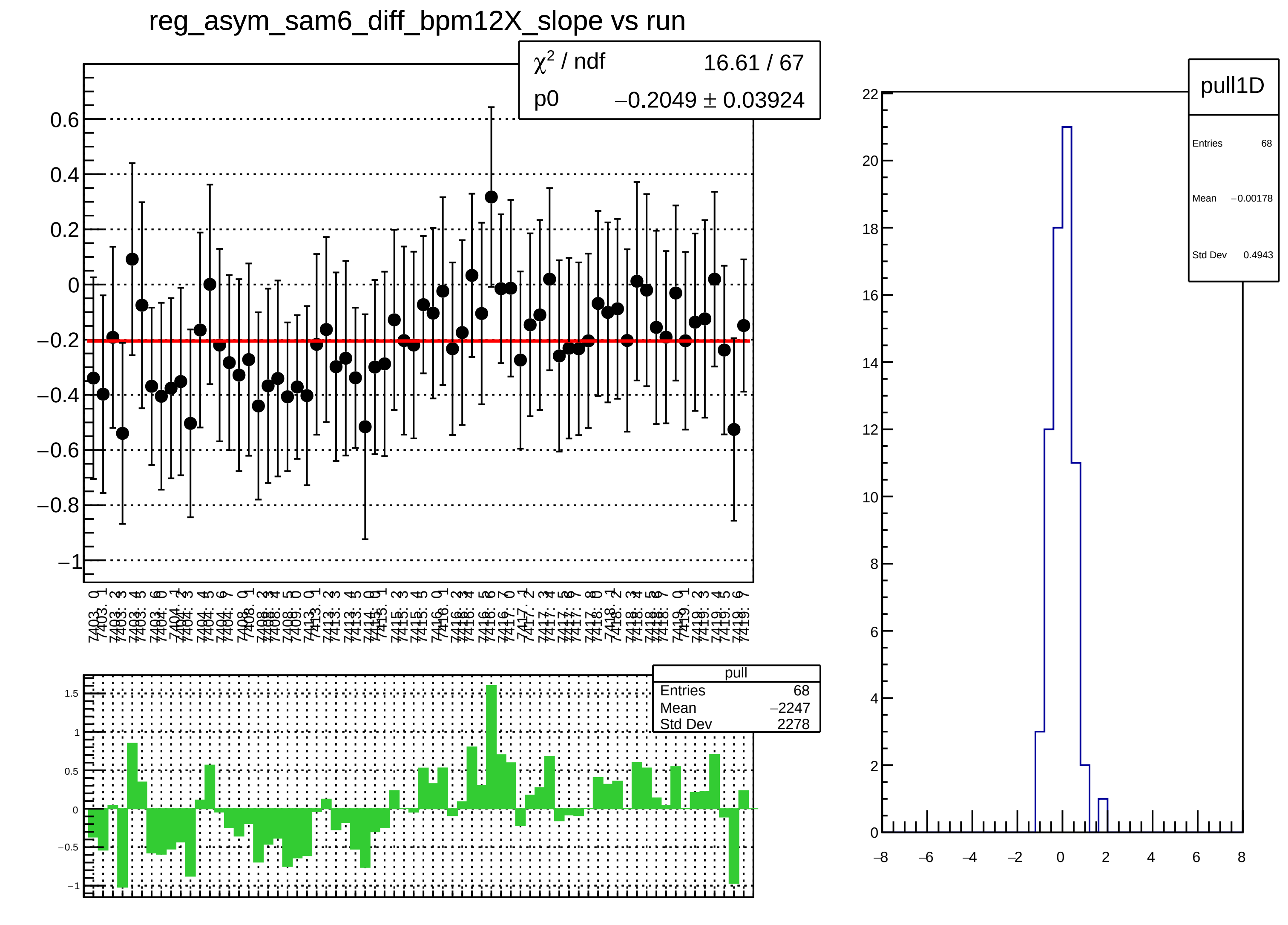
reg_asym_sam6_diff_bpm1X_slope vs run
χ2 / ndf 7.601 / 67
p0 25.97 ± 0.8278
pull
Entries 68
Mean 37.11
Std Dev 72.89
pull1D
Entries 68
Mean 0.01029
Std Dev 0.3342


reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 15.62 / 67
p0 42.58 ± 0.8428
pull
Entries 68
Mean 299.5
Std Dev 261.7
pull1D
Entries 68
Mean 0.0124
Std Dev 0.4792

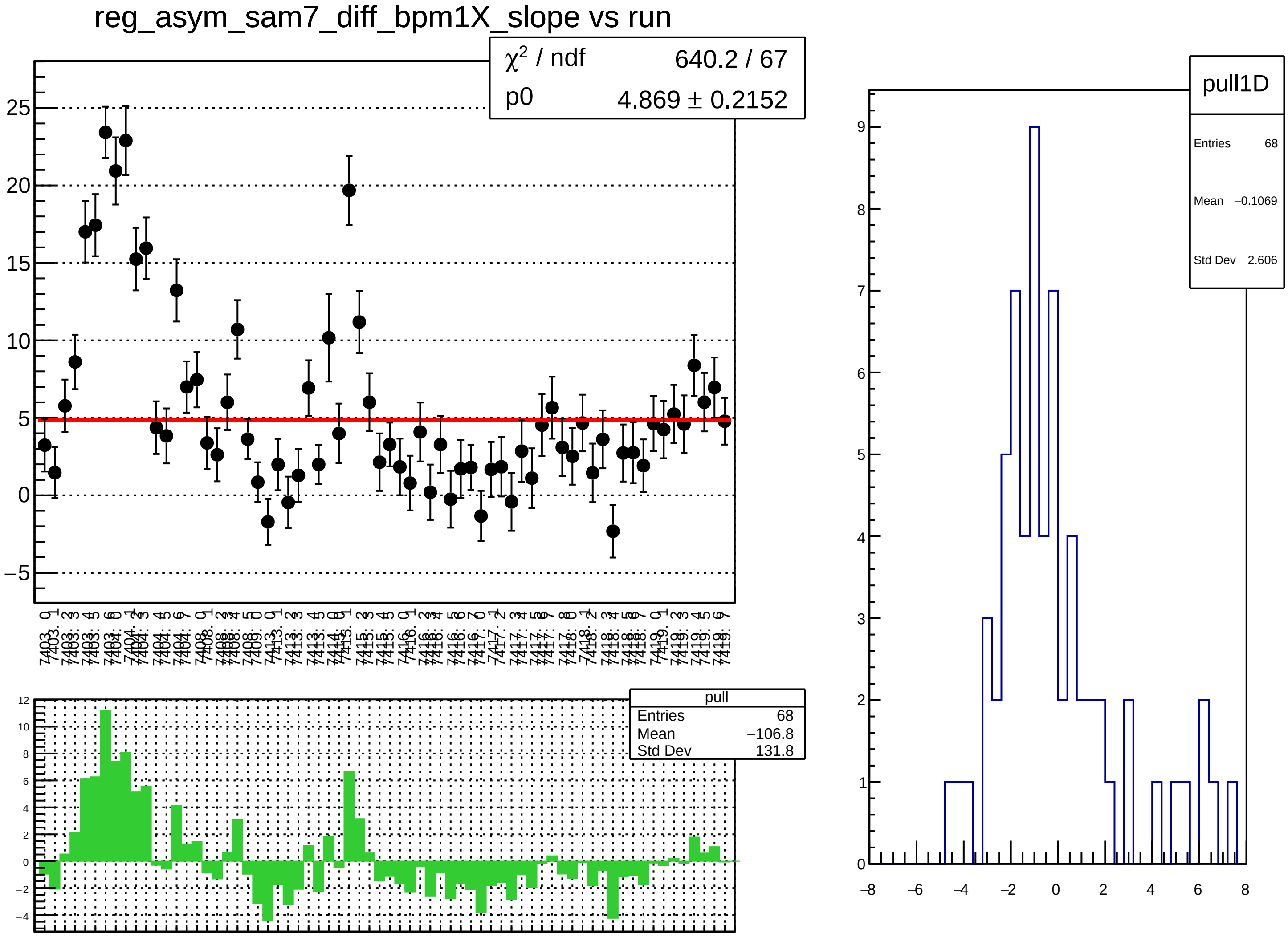

reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 12.38 / 67
p0 52.09 ± 0.8603
pull
Entries 68
Mean −2577
Std Dev 2614
pull1D
Entries 68
Mean 0.001863
Std Dev 0.4266



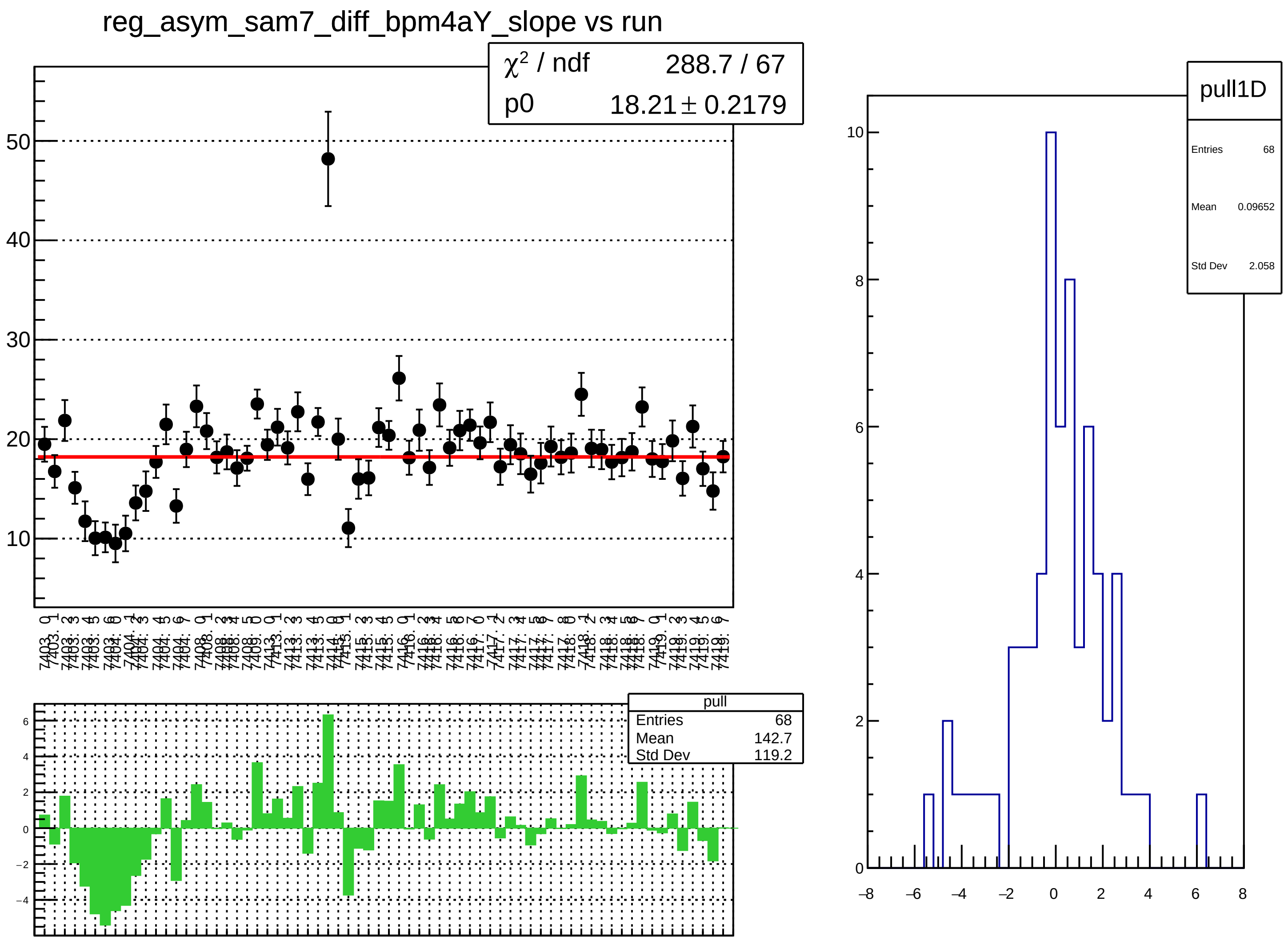
reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 15.78 / 67
p0 81.01 ± 0.8912
pull
Entries 68
Mean 186.7
Std Dev 142.4
pull1D
Entries 68
Mean −0.01033
Std Dev 0.4816



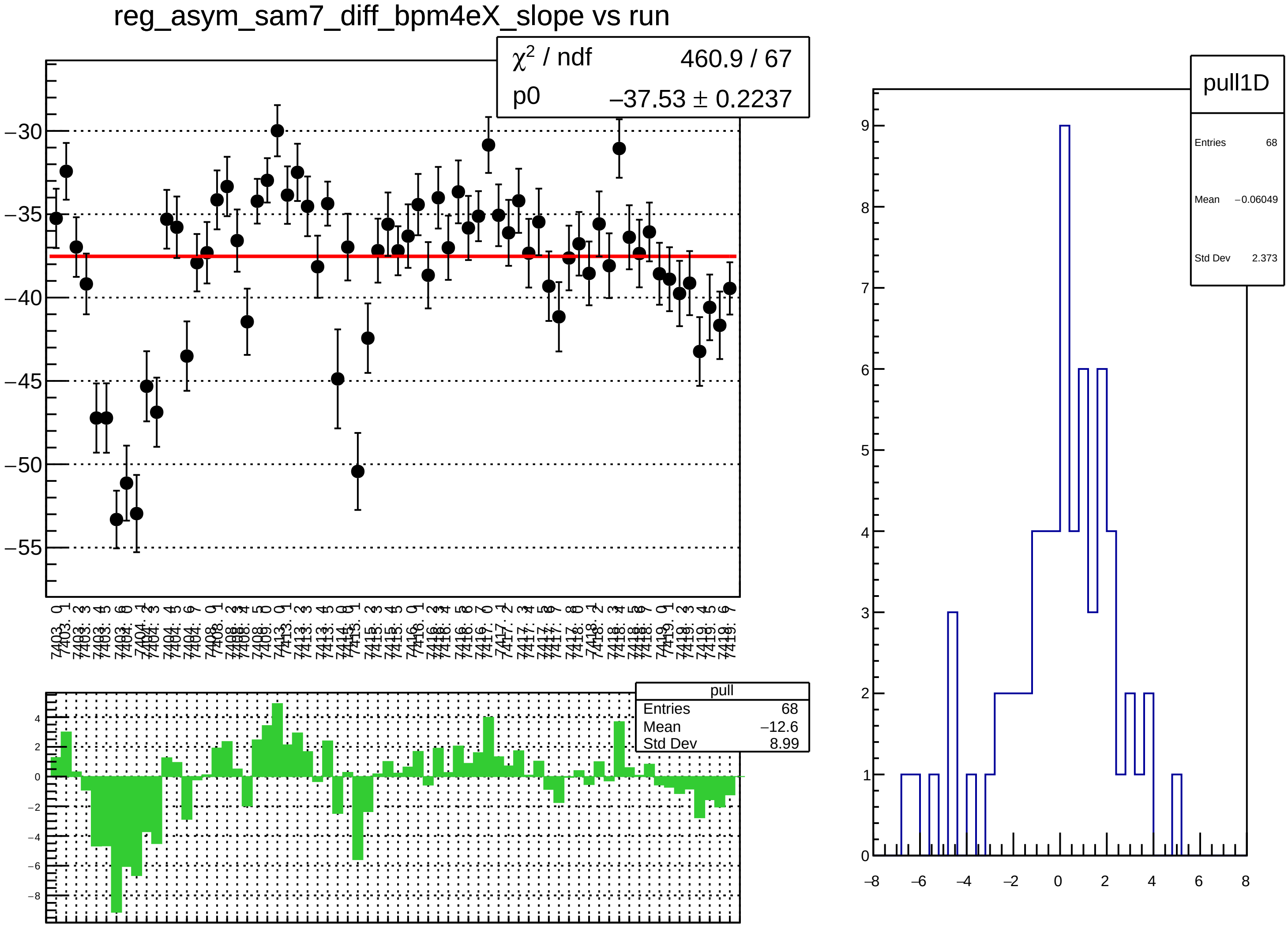
reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 16.61 / 67
p0 −0.2049 ± 0.03924
pull
Entries 68
Mean −2247
Std Dev 2278
pull1D
Entries 68
Mean −0.00178
Std Dev 0.4943



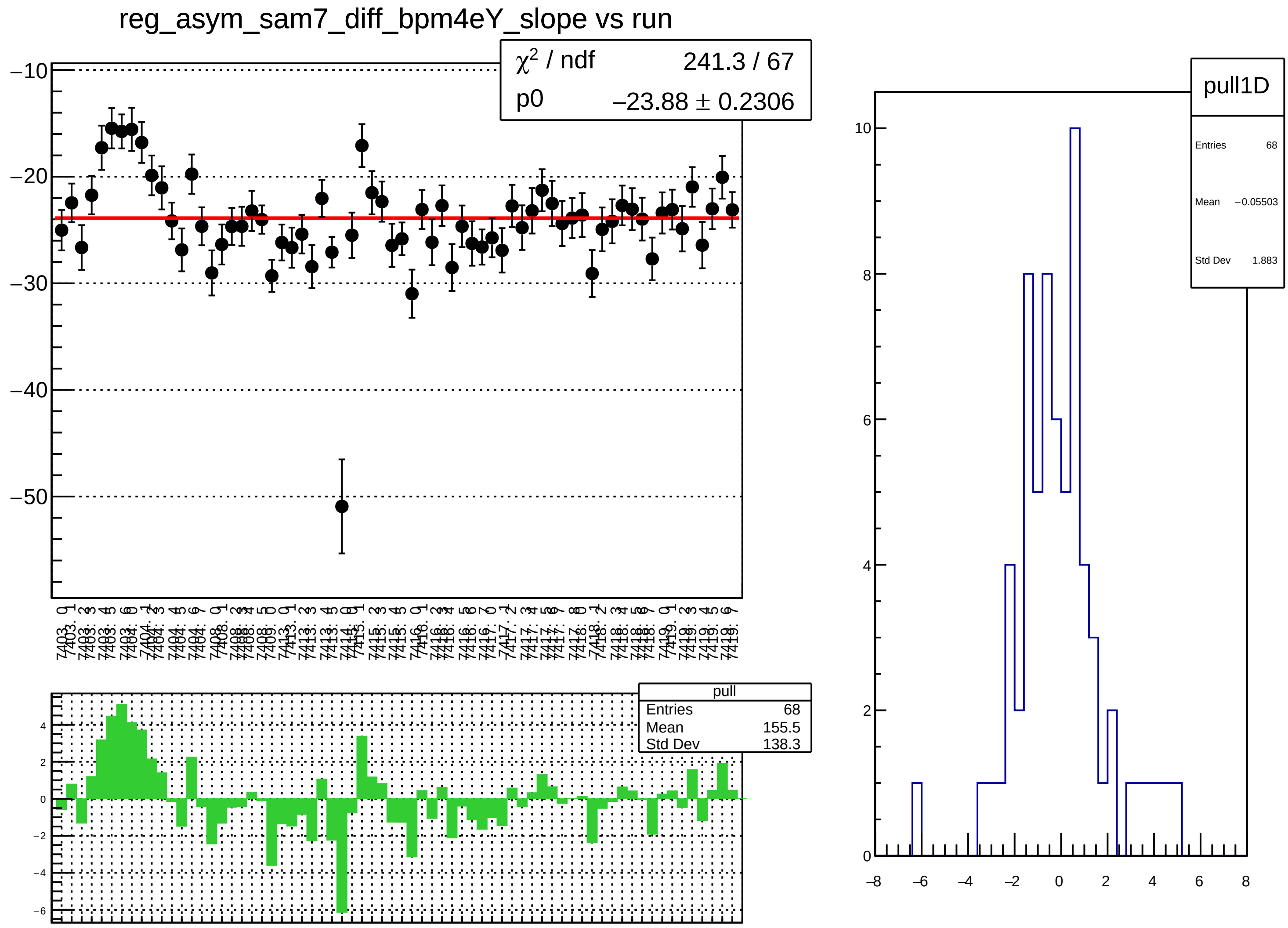
reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 640.2 / 67
p0 4.869 ± 0.2152
pull
Entries 68
Mean −106.8
Std Dev 131.8
pull1D
Entries 68
Mean −0.1069
Std Dev 2.606

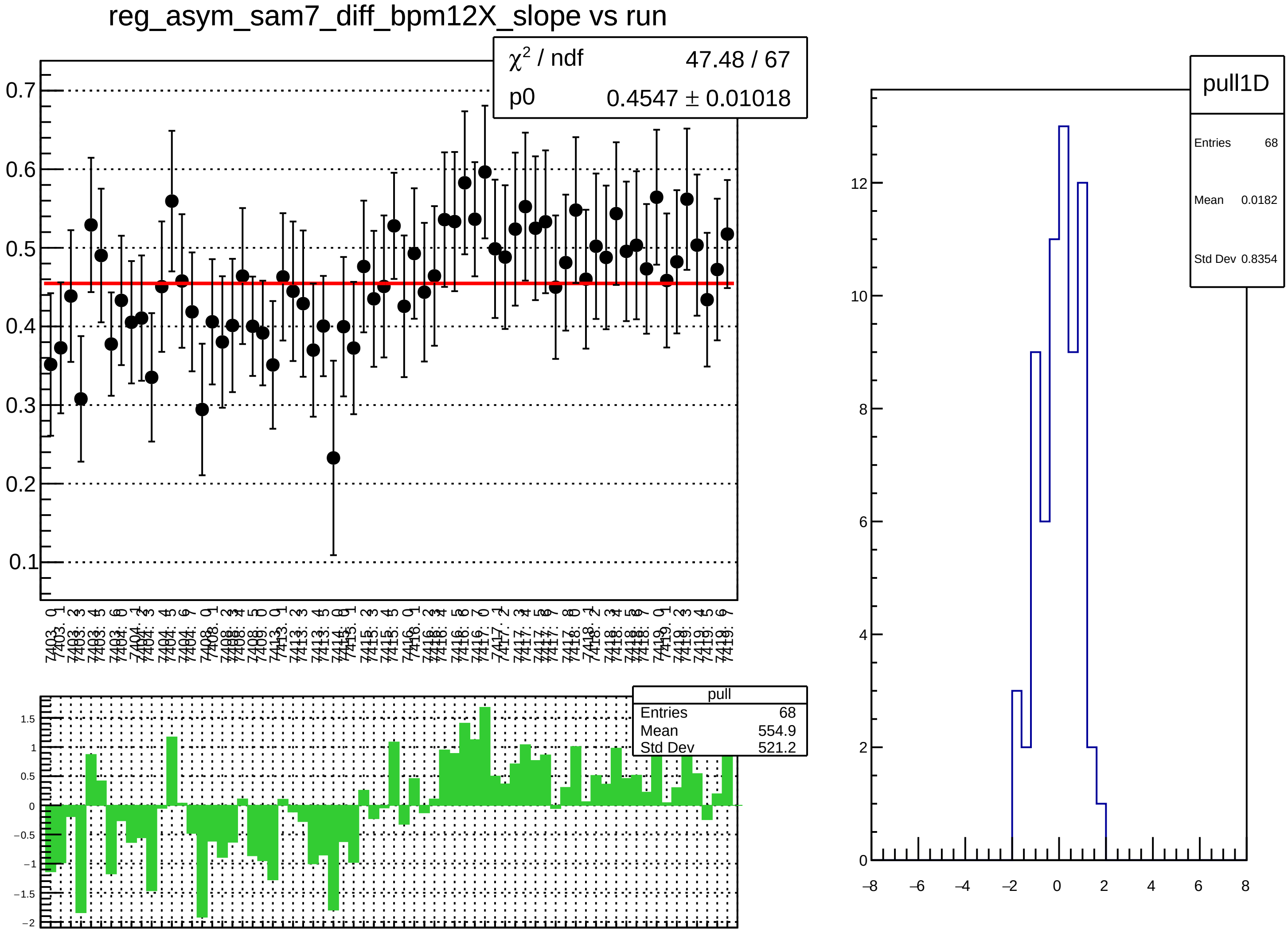


reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 288.7 / 67
p0 18.21 ± 0.2179
pull
Entries 68
Mean 142.7
Std Dev 119.2
pull1D
Entries 68
Mean 0.09652
Std Dev 2.058

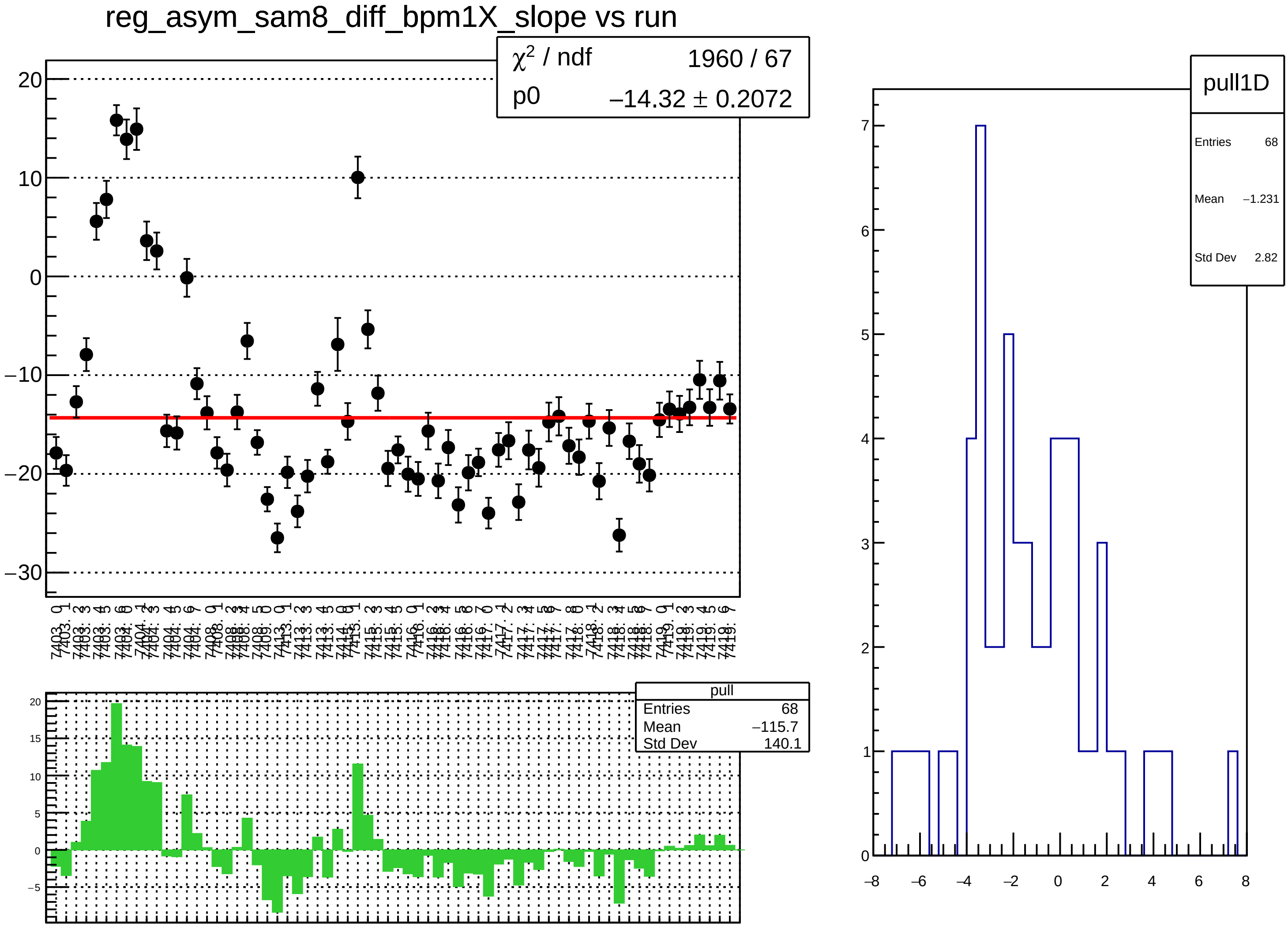


reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 460.9 / 67
p0 −37.53 ± 0.2237
pull
Entries 68
Mean −12.6
Std Dev 8.99
pull1D
Entries 68
Mean −0.06049
Std Dev 2.373

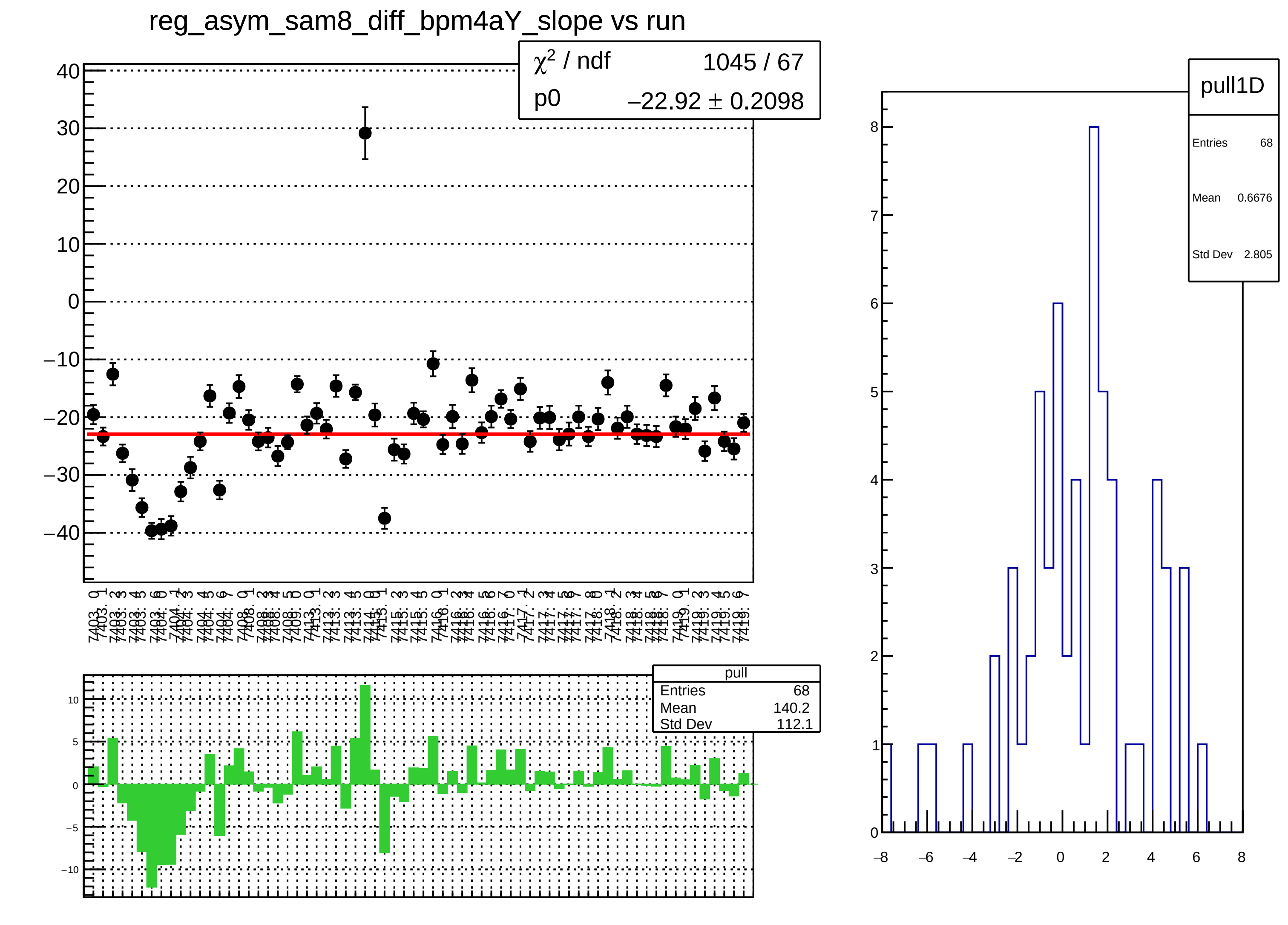

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 241.3 / 67
p0 −23.88 ± 0.2306
pull
Entries 68
Mean 155.5
Std Dev 138.3
pull1D
Entries 68
Mean −0.05503
Std Dev 1.883



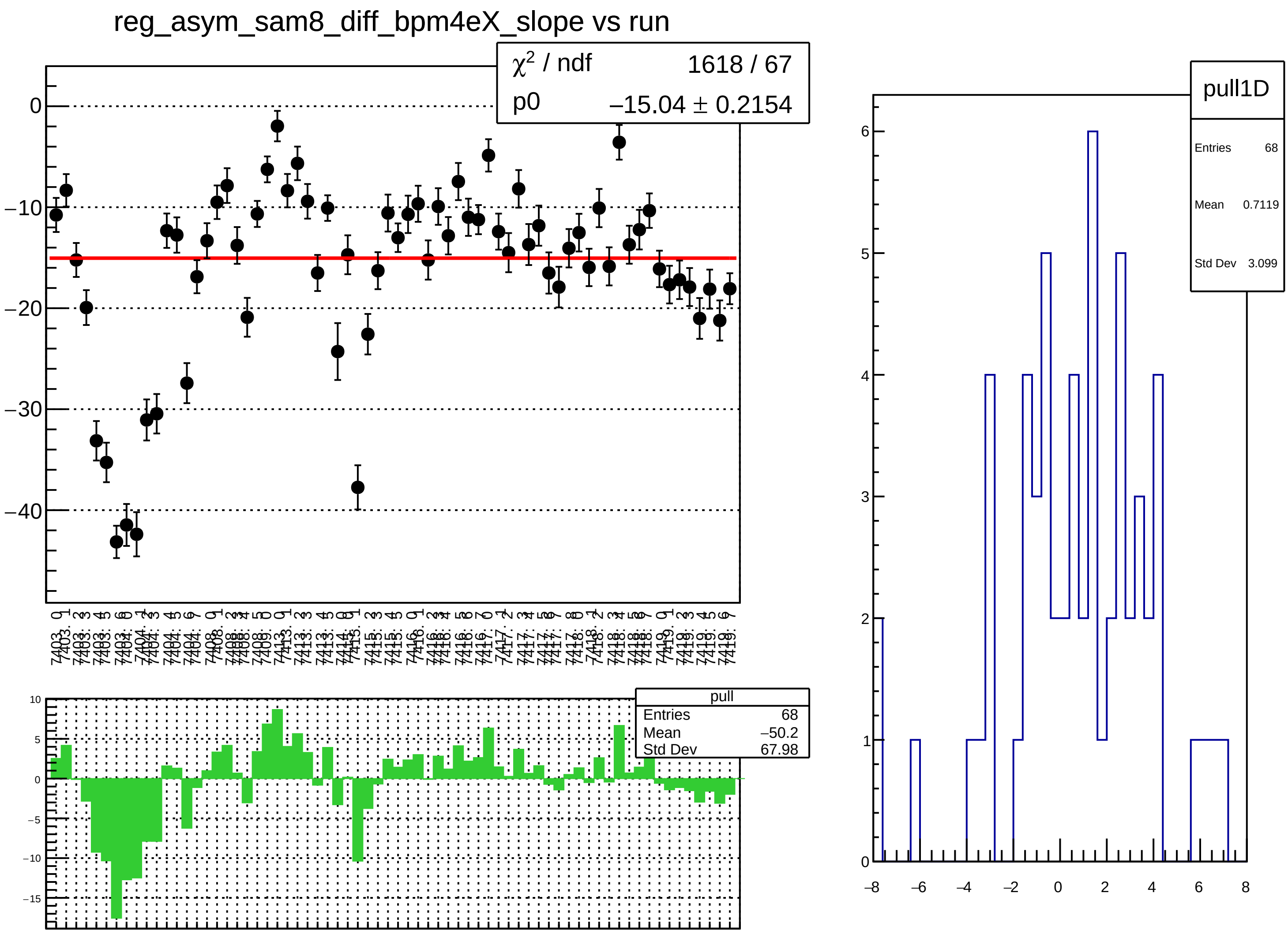
reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 47.48 / 67
p0 0.4547 ± 0.01018
pull
Entries 68
Mean 554.9
Std Dev 521.2
pull1D
Entries 68
Mean 0.0182
Std Dev 0.8354



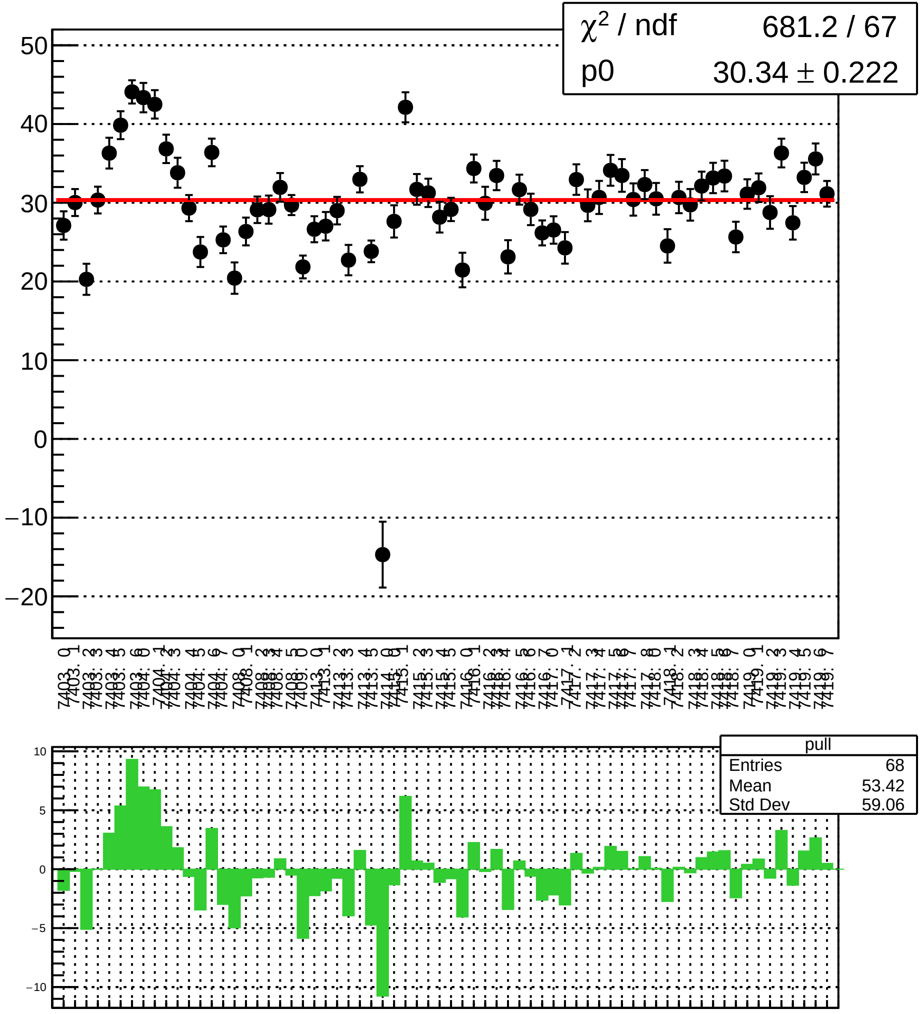
reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 1960 / 67
p0 −14.32 ± 0.2072
pull
Entries 68
Mean −115.7
Std Dev 140.1
pull1D
Entries 68
Mean −1.231
Std Dev 2.82

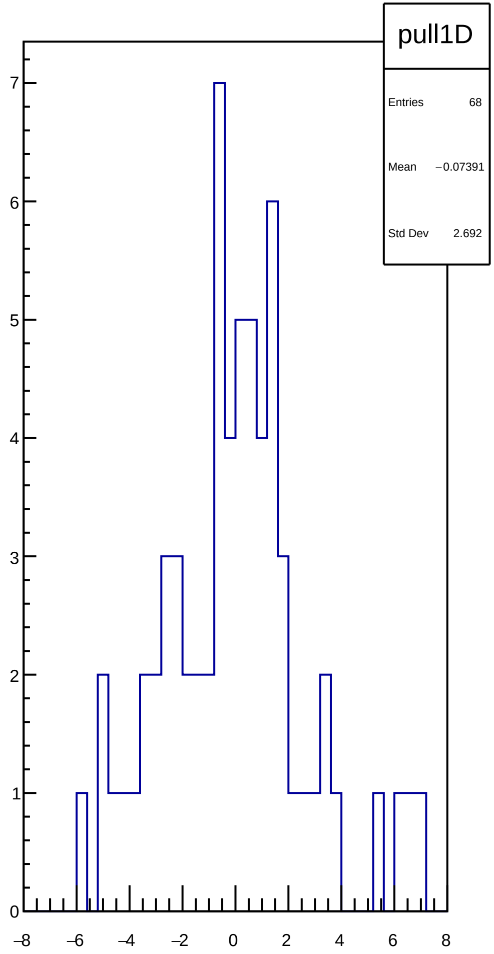


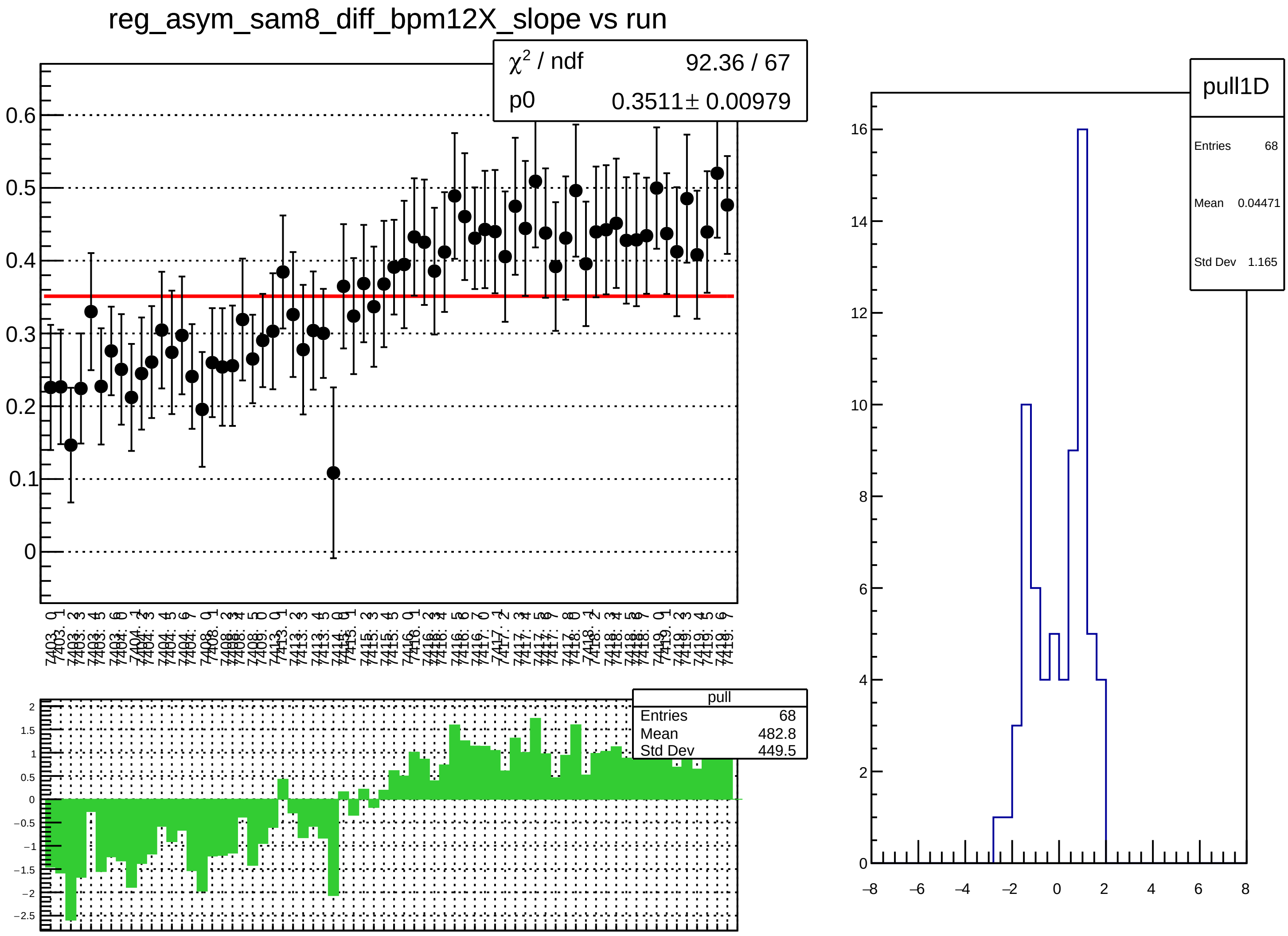
reg_asym_sam8_diff_bpm4aY_slope vs run
χ2 / ndf 1045 / 67
p0 −22.92 ± 0.2098
pull
Entries 68
Mean 140.2
Std Dev 112.1
pull1D
Entries 68
Mean 0.6676
Std Dev 2.805


reg_asym_sam8_diff_bpm4eX_slope vs run
χ2 / ndf 1618 / 67
p0 −15.04 ± 0.2154
pull
Entries 68
Mean −50.2
Std Dev 67.98
pull1D
Entries 68
Mean 0.7119
Std Dev 3.099

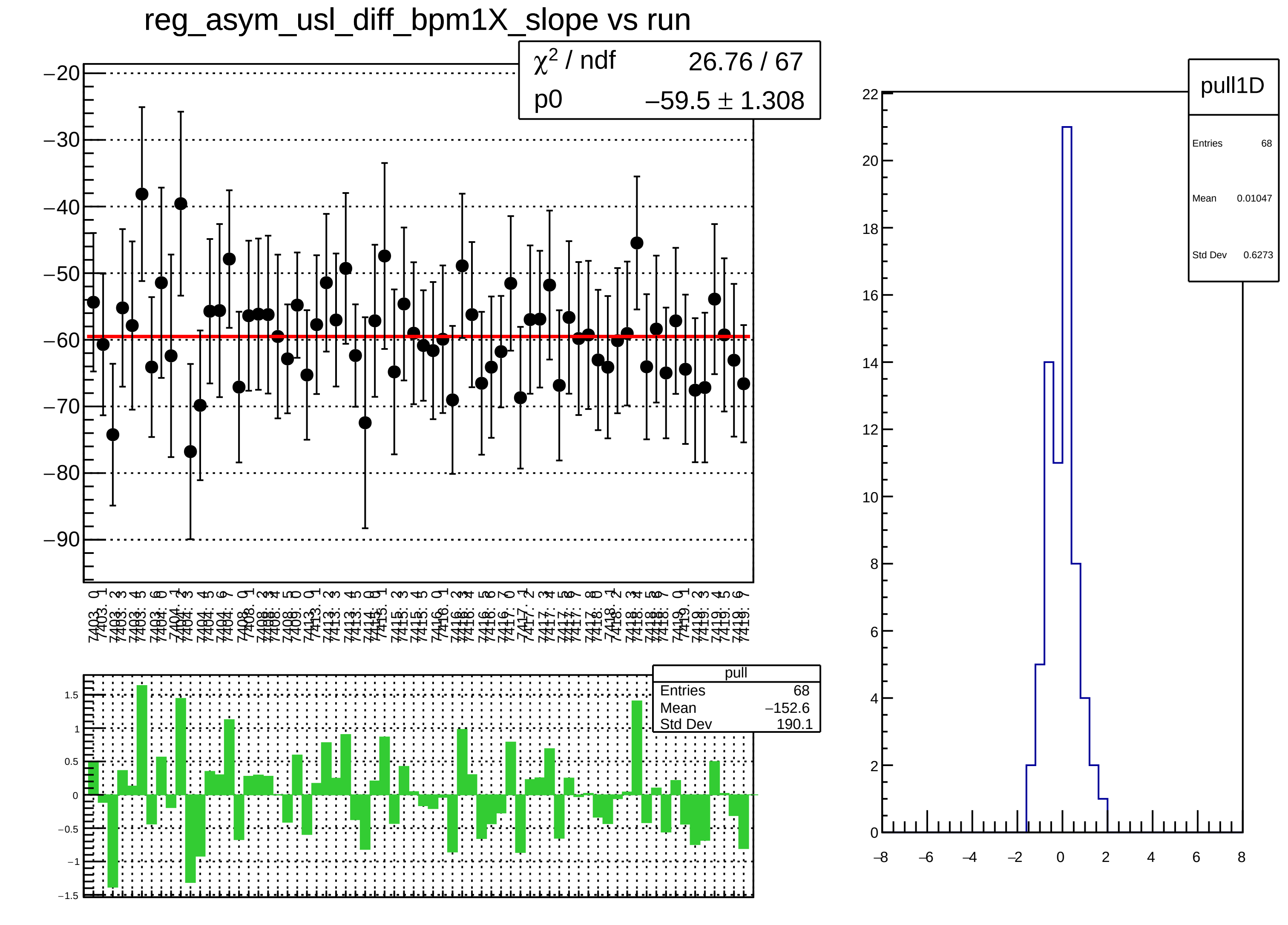
reg_asym_sam8_diff_bpm4eY_slope vs run



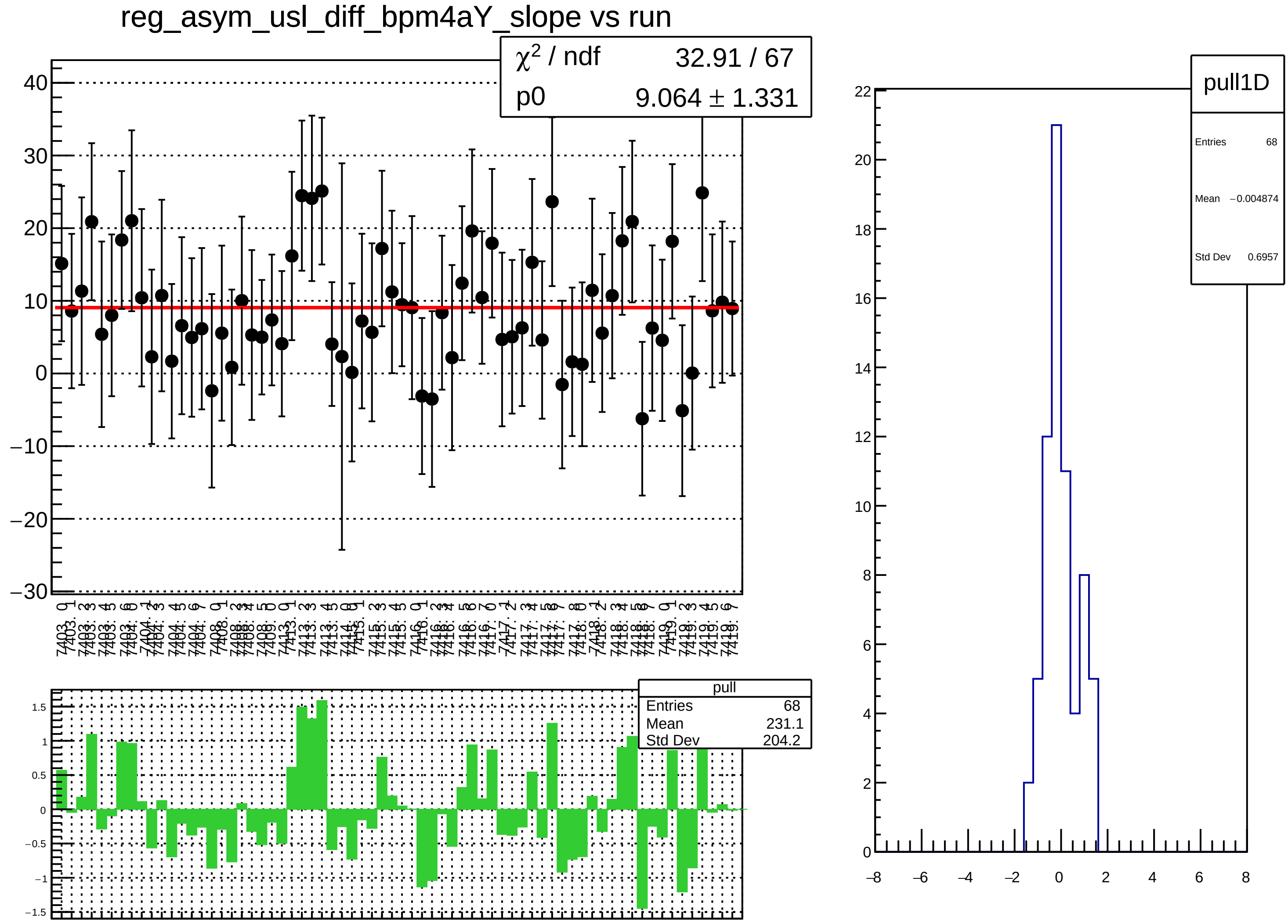


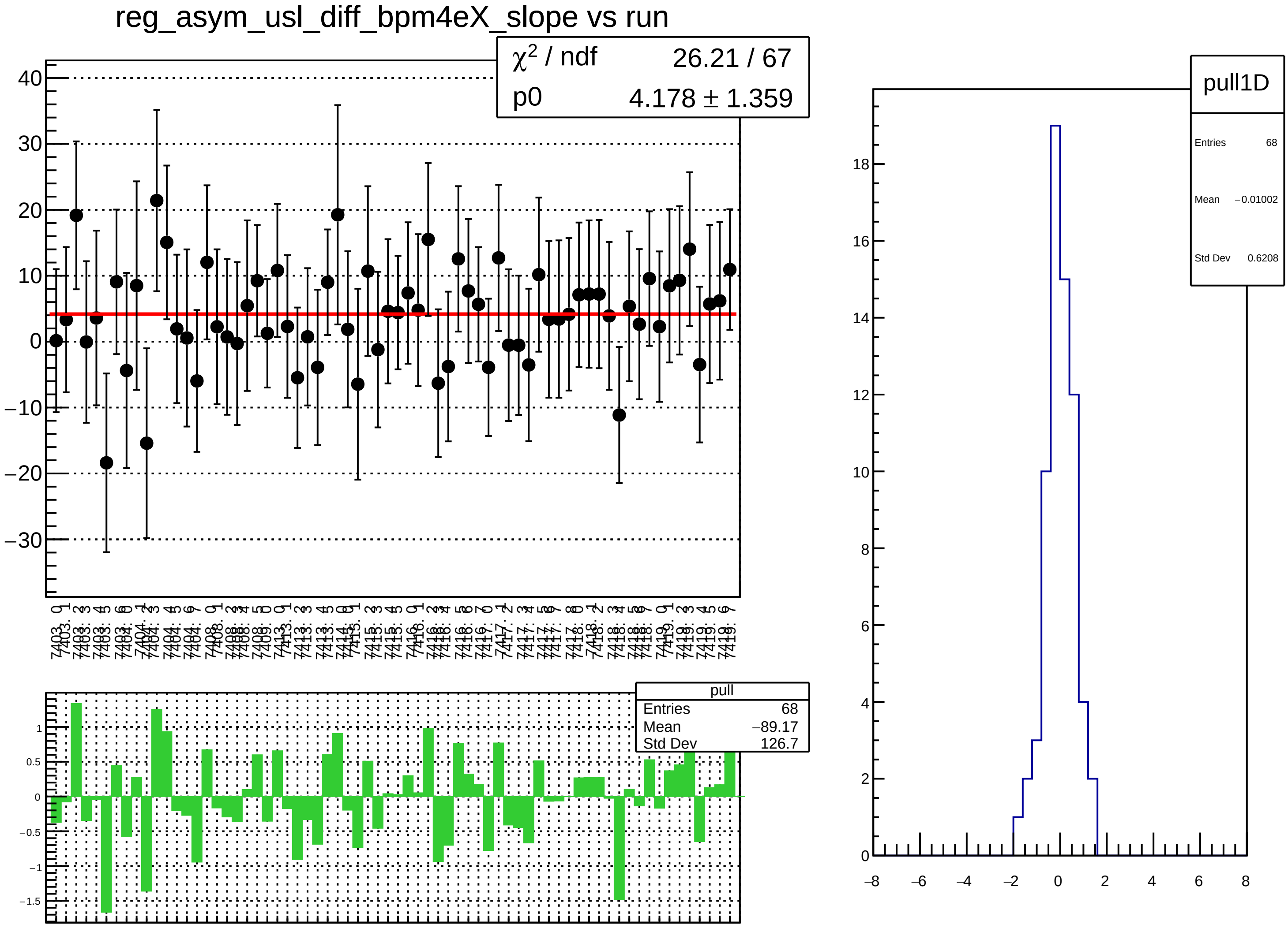


reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 92.36 / 67
p0 0.3511 ± 0.00979
pull
Entries 68
Mean 482.8
Std Dev 449.5
pull1D
Entries 68
Mean 0.04471
Std Dev 1.165



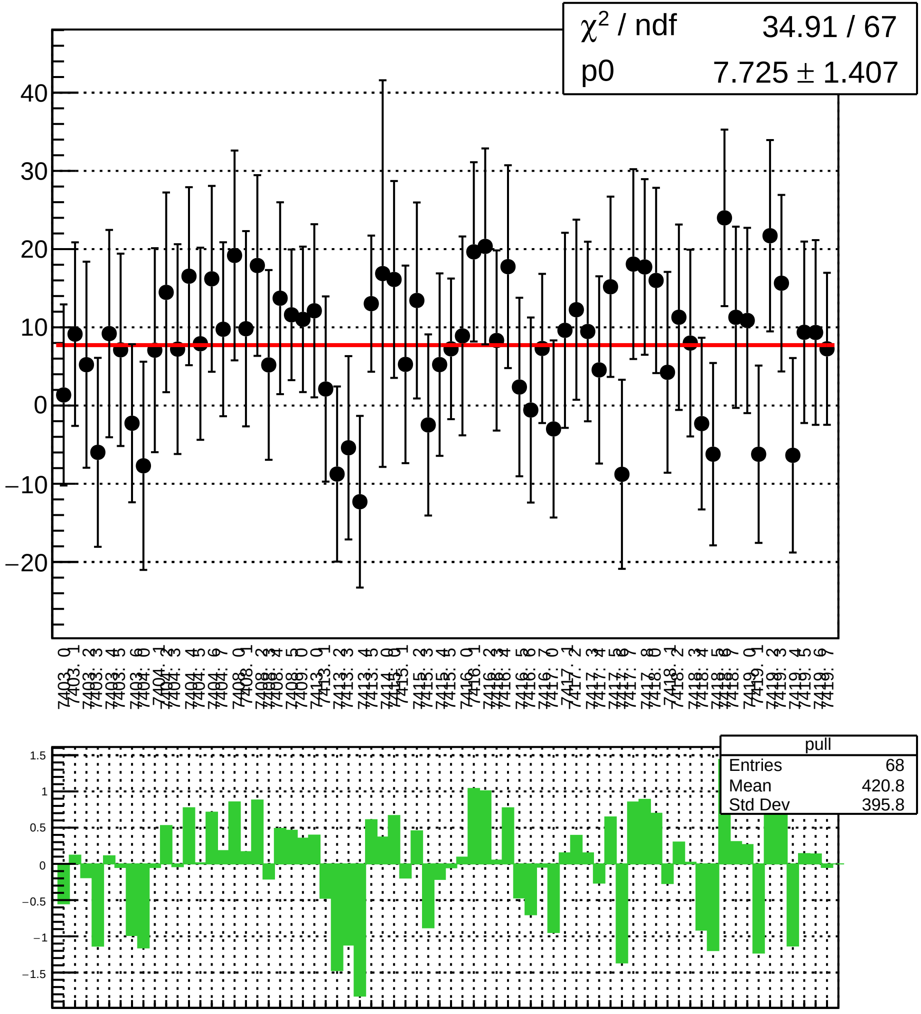
reg_asym_usl_diff_bpm1X_slope vs run
χ2 / ndf 26.76 / 67
p0 −59.5 ± 1.308
pull
Entries 68
Mean −152.6
Std Dev 190.1
pull1D
Entries 68
Mean 0.01047
Std Dev 0.6273

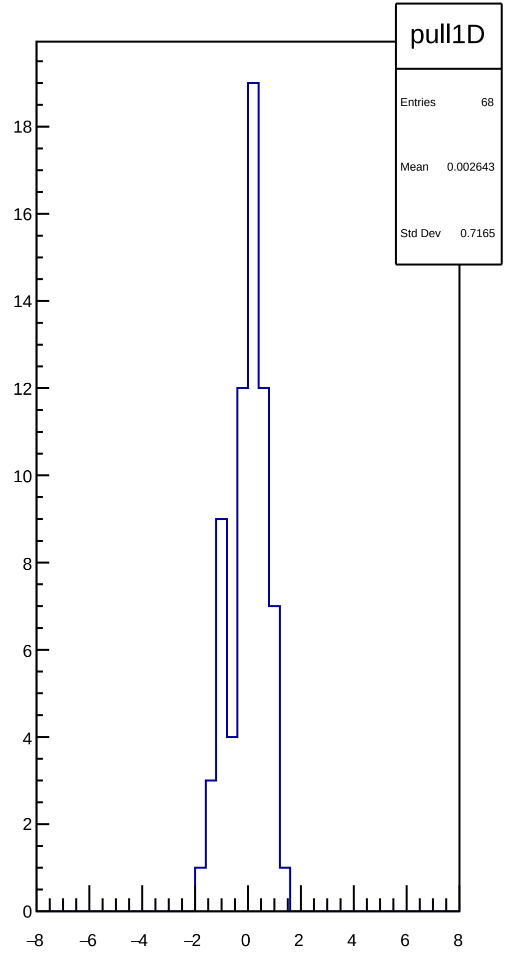

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 32.91 / 67
p0 9.064 ± 1.331
40
30
20
10
0
−10
−20
−30
pull
Entries 68
Mean 231.1
Std Dev 204.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 68
Mean −0.004874
Std Dev 0.6957
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

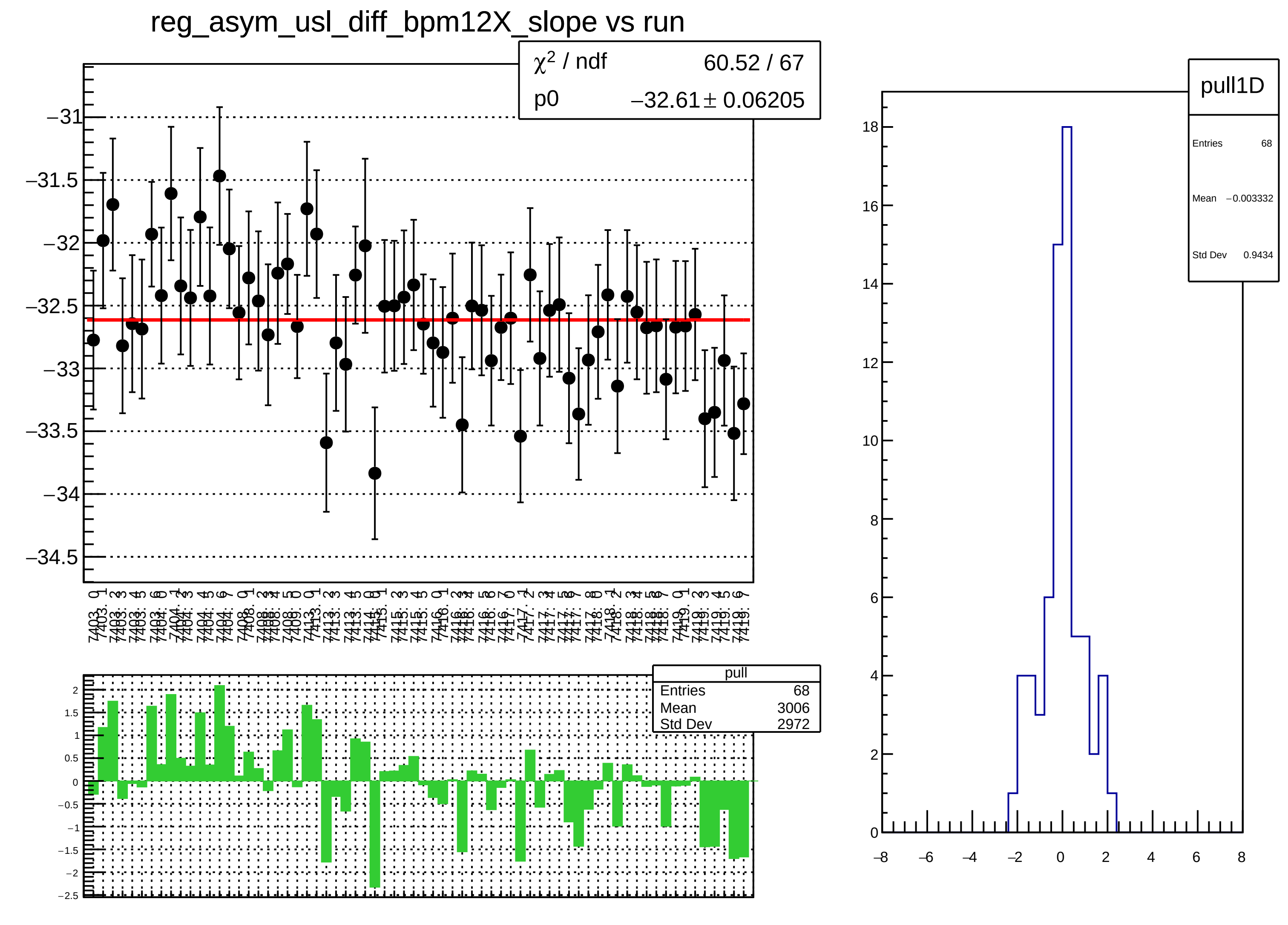


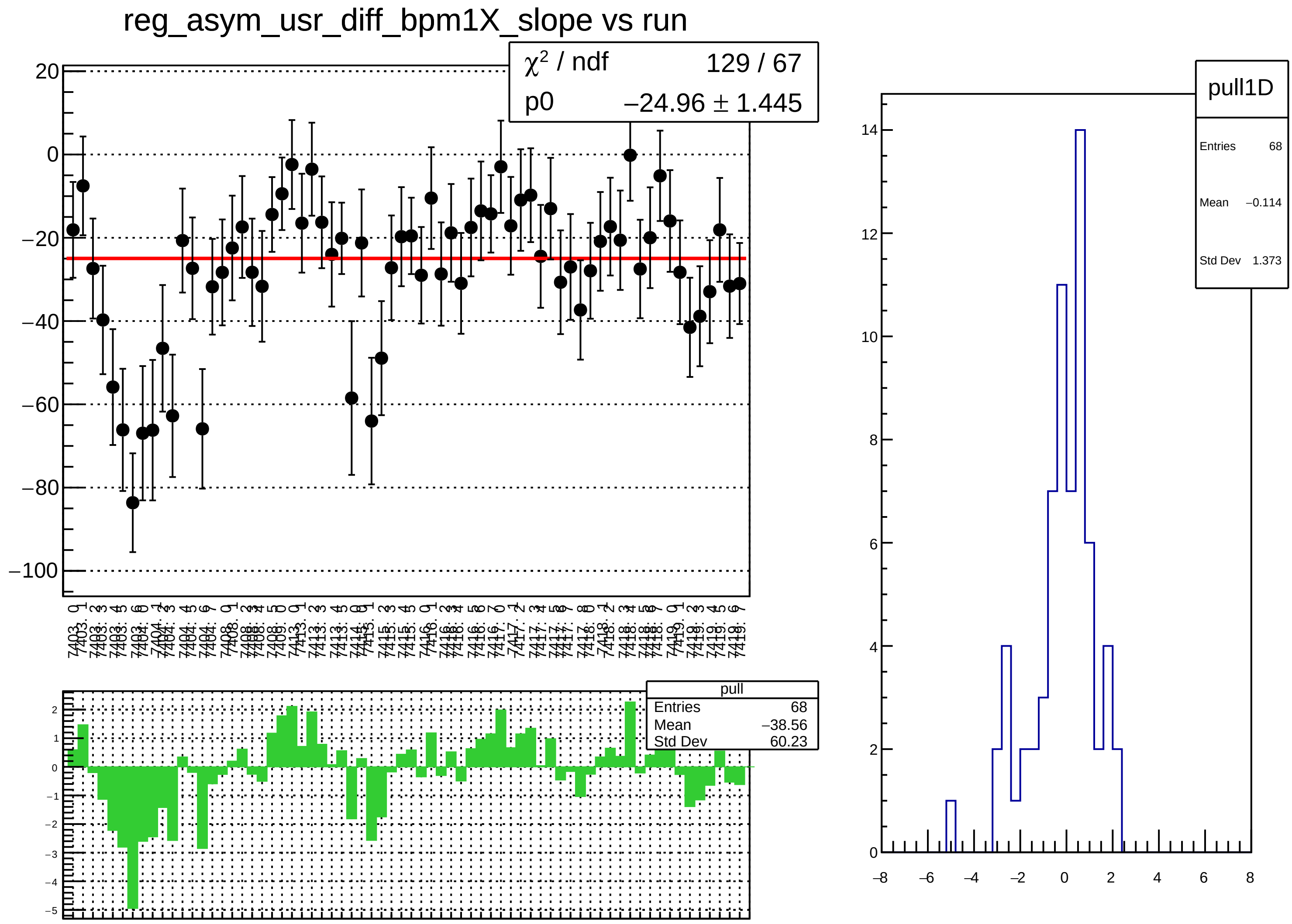
reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 26.21 / 67
p0 4.178 ± 1.359
pull
Entries 68
Mean −89.17
Std Dev 126.7
pull1D
Entries 68
Mean −0.01002
Std Dev 0.6208

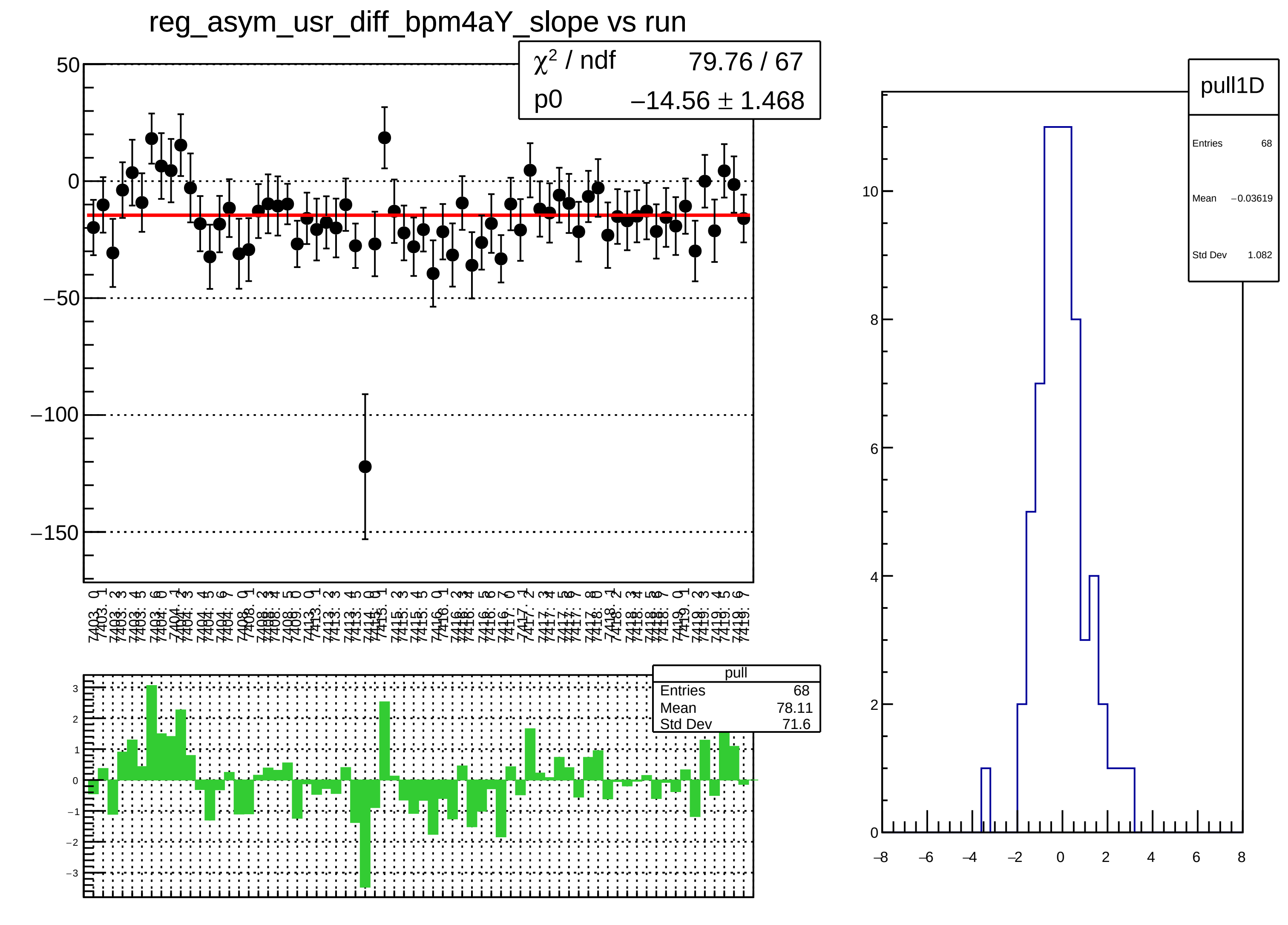
reg_asym_usl_diff_bpm4eY_slope vs run

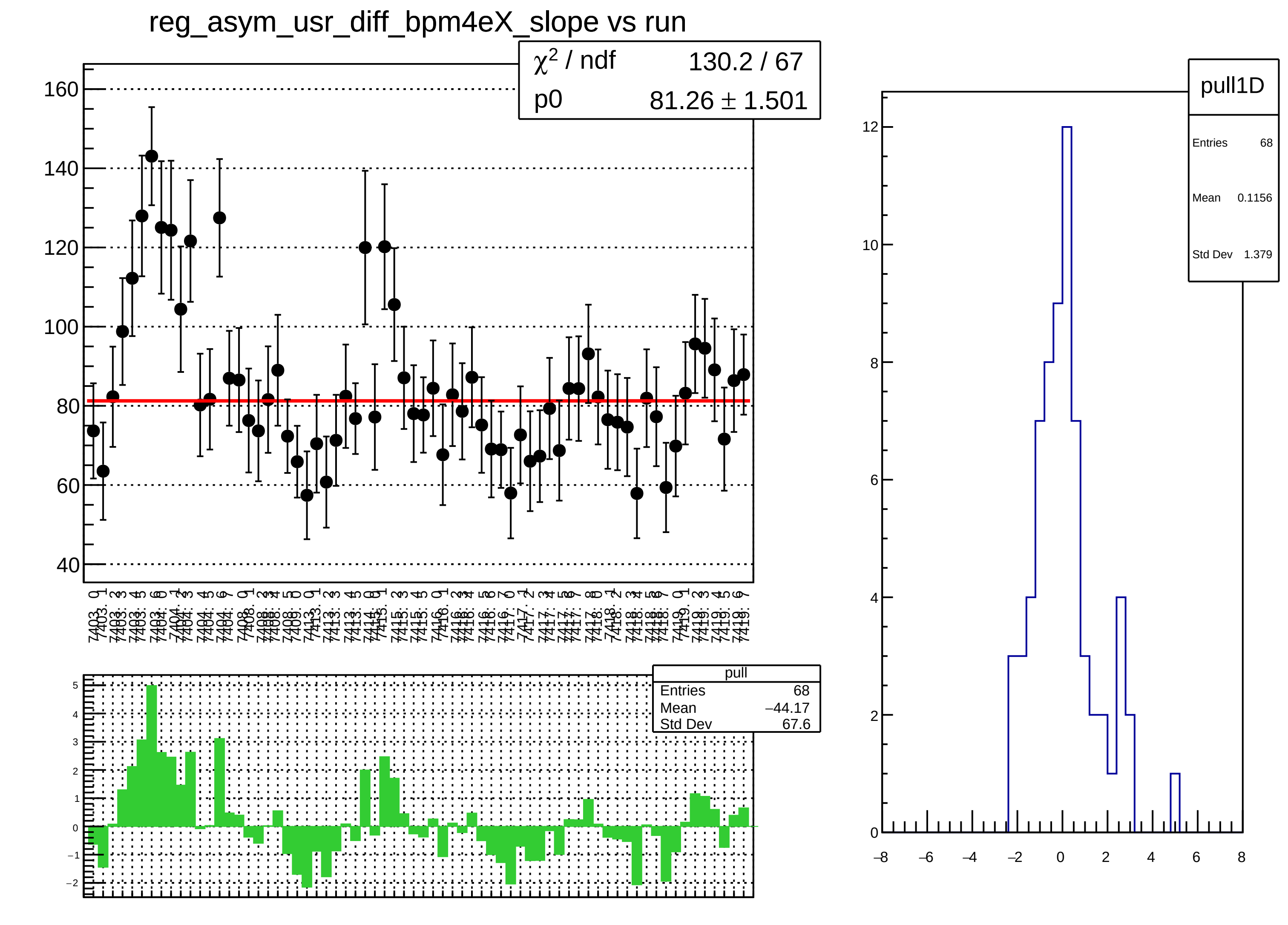


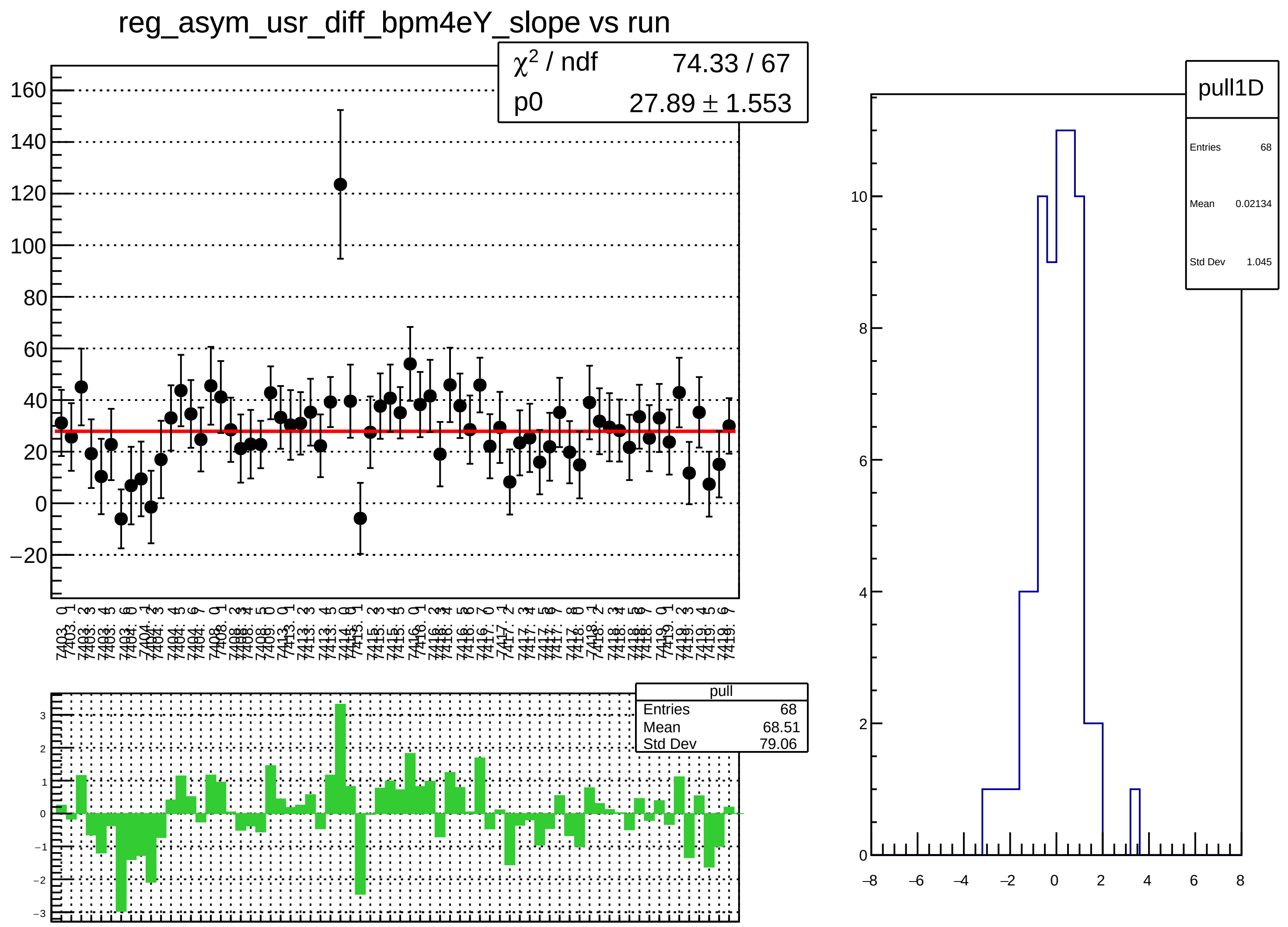



reg_asym_usl_diff_bpm12X_slope vs run
χ2 / ndf 60.52 / 67
p0 −32.61 ± 0.06205
pull
Entries 68
Mean 3006
Std Dev 2972
pull1D
Entries 68
Mean −0.003332
Std Dev 0.9434

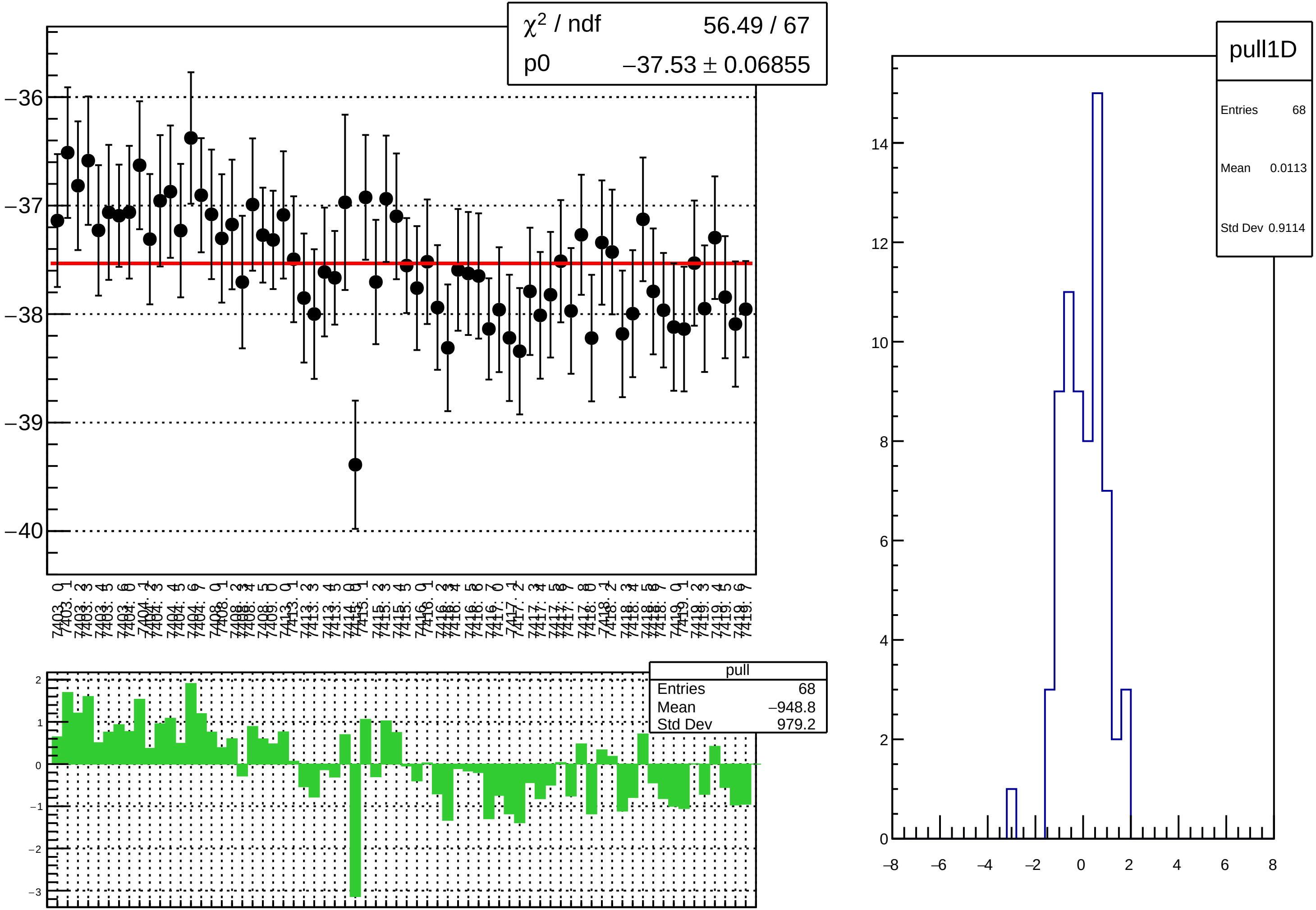

reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 129 / 67
p0 −24.96 ± 1.445
pull
Entries 68
Mean −38.56
Std Dev 60.23
pull1D
Entries 68
Mean −0.114
Std Dev 1.373

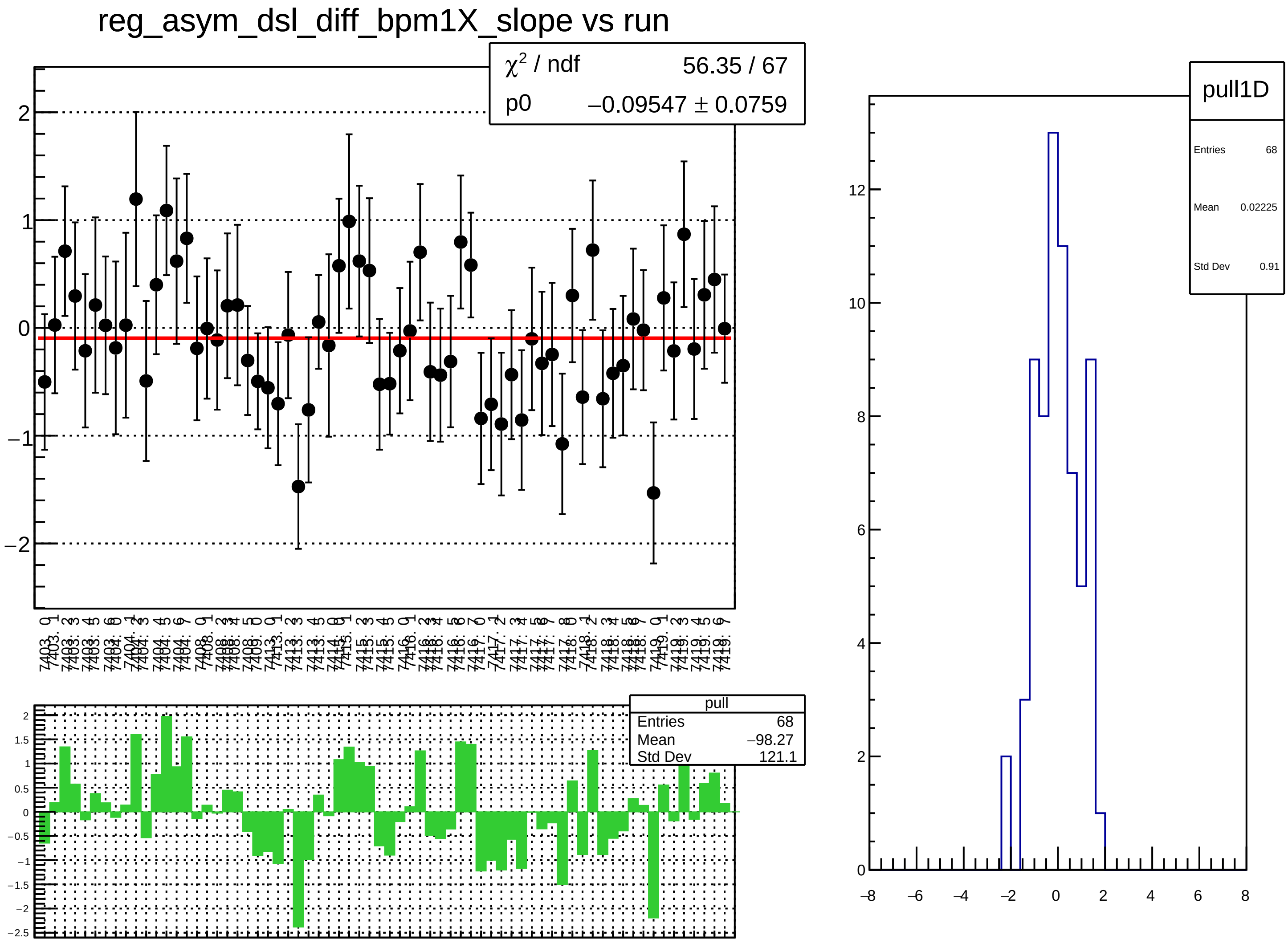

reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 79.76 / 67
p0 −14.56 ± 1.468
pull
Entries 68
Mean 78.11
Std Dev 71.6
pull1D
Entries 68
Mean −0.03619
Std Dev 1.082


reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 130.2 / 67
p0 81.26 ± 1.501
160
140
120
100
80
60
40
pull
Entries 68
Mean −44.17
Std Dev 67.6
5
4
3
2
1
0
−1
−2
pull1D
Entries 68
Mean 0.1156
Std Dev 1.379
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

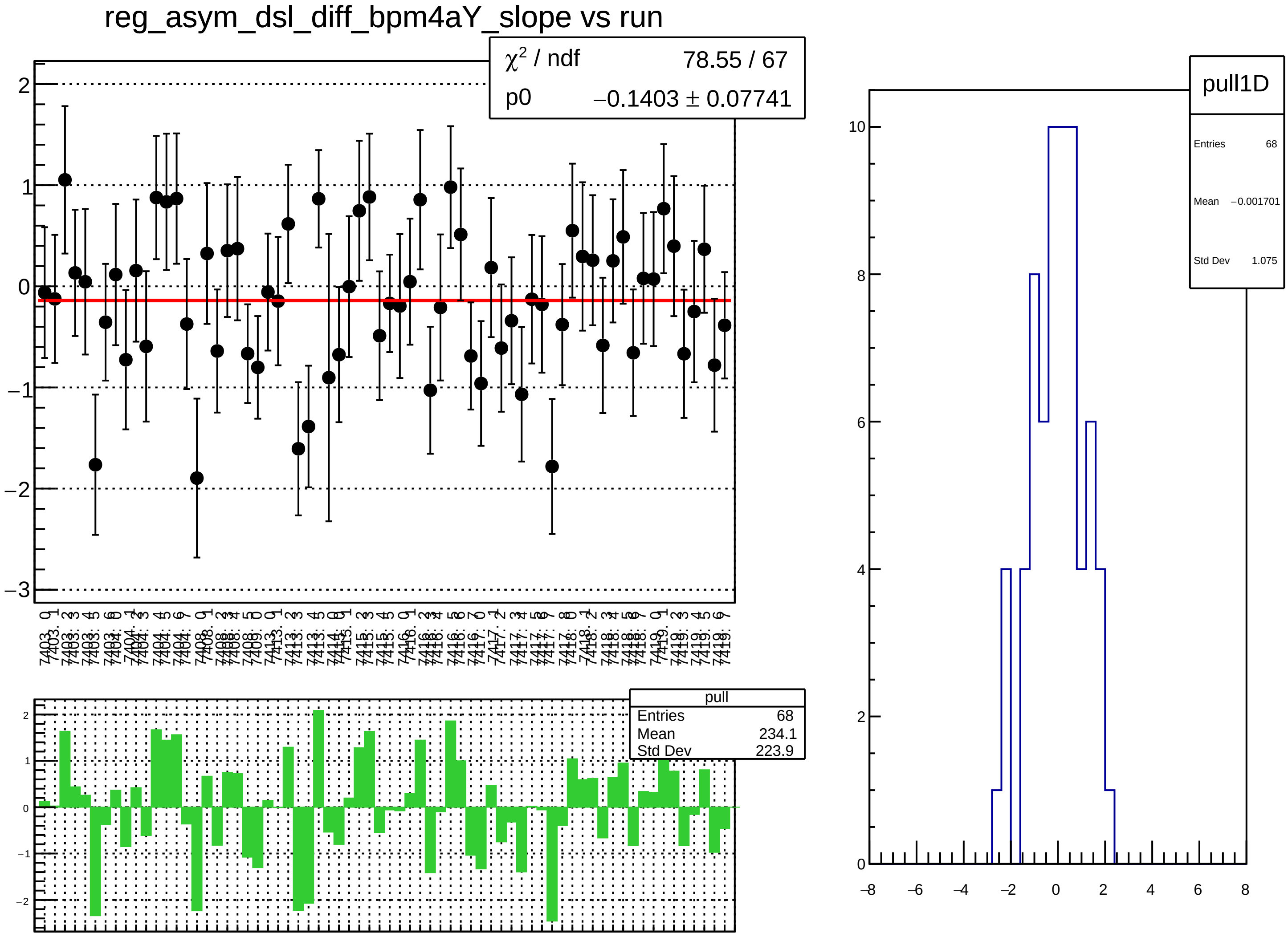

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 74.33 / 67
p0 27.89 ± 1.553
pull
Entries 68
Mean 68.51
Std Dev 79.06
pull1D
Entries 68
Mean 0.02134
Std Dev 1.045

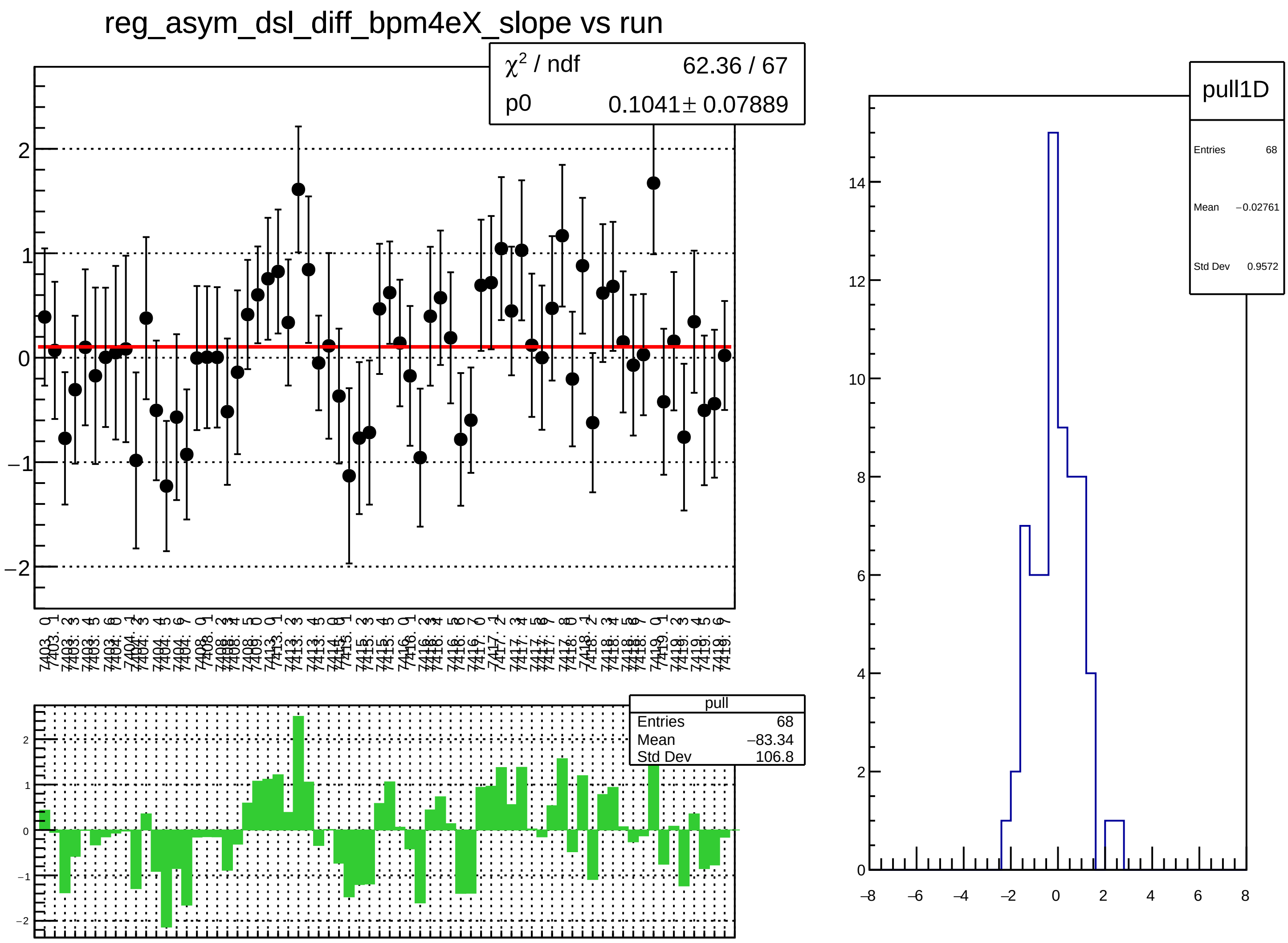
reg_asym_usr_diff_bpm12X_slope vs run

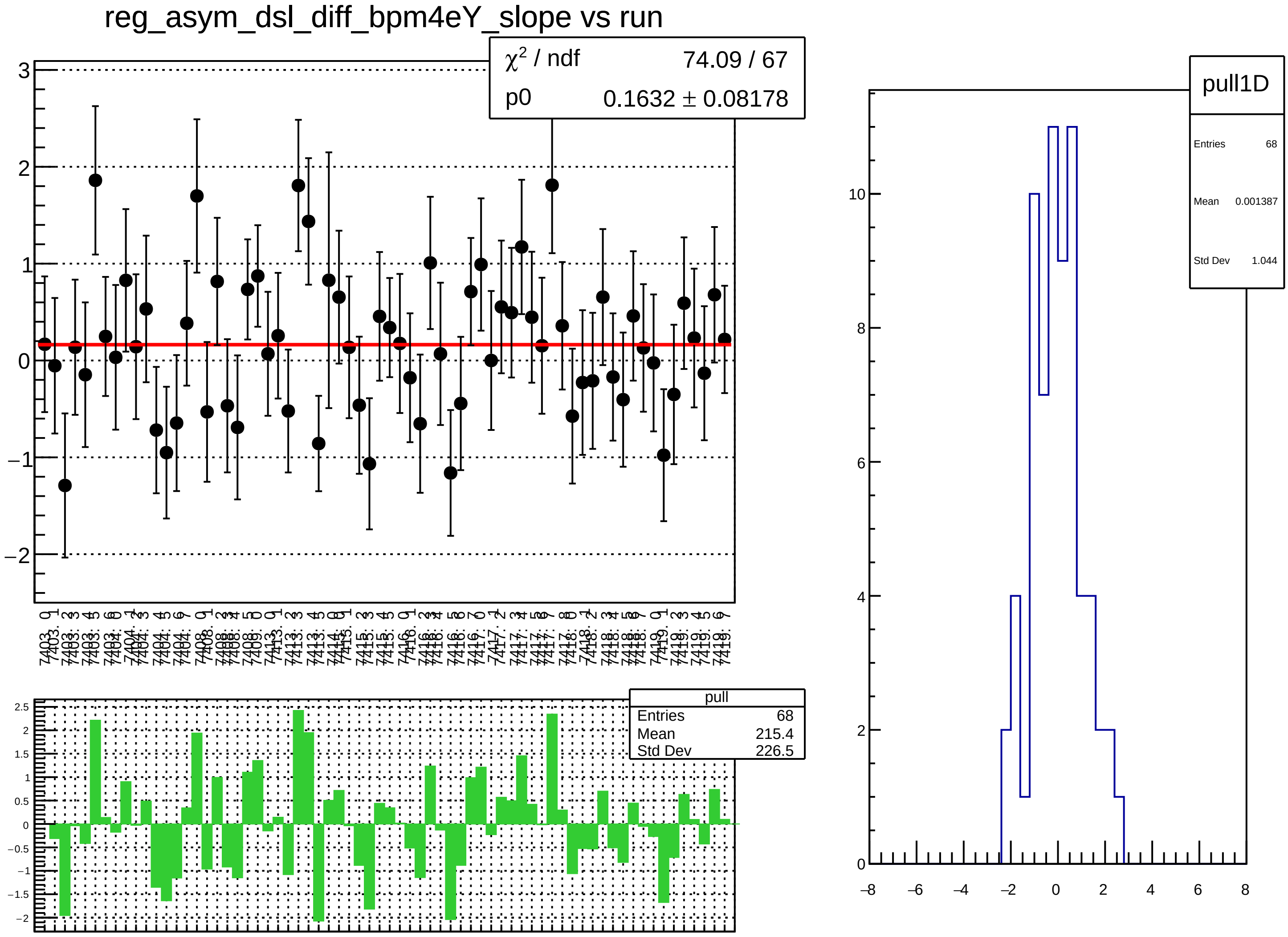


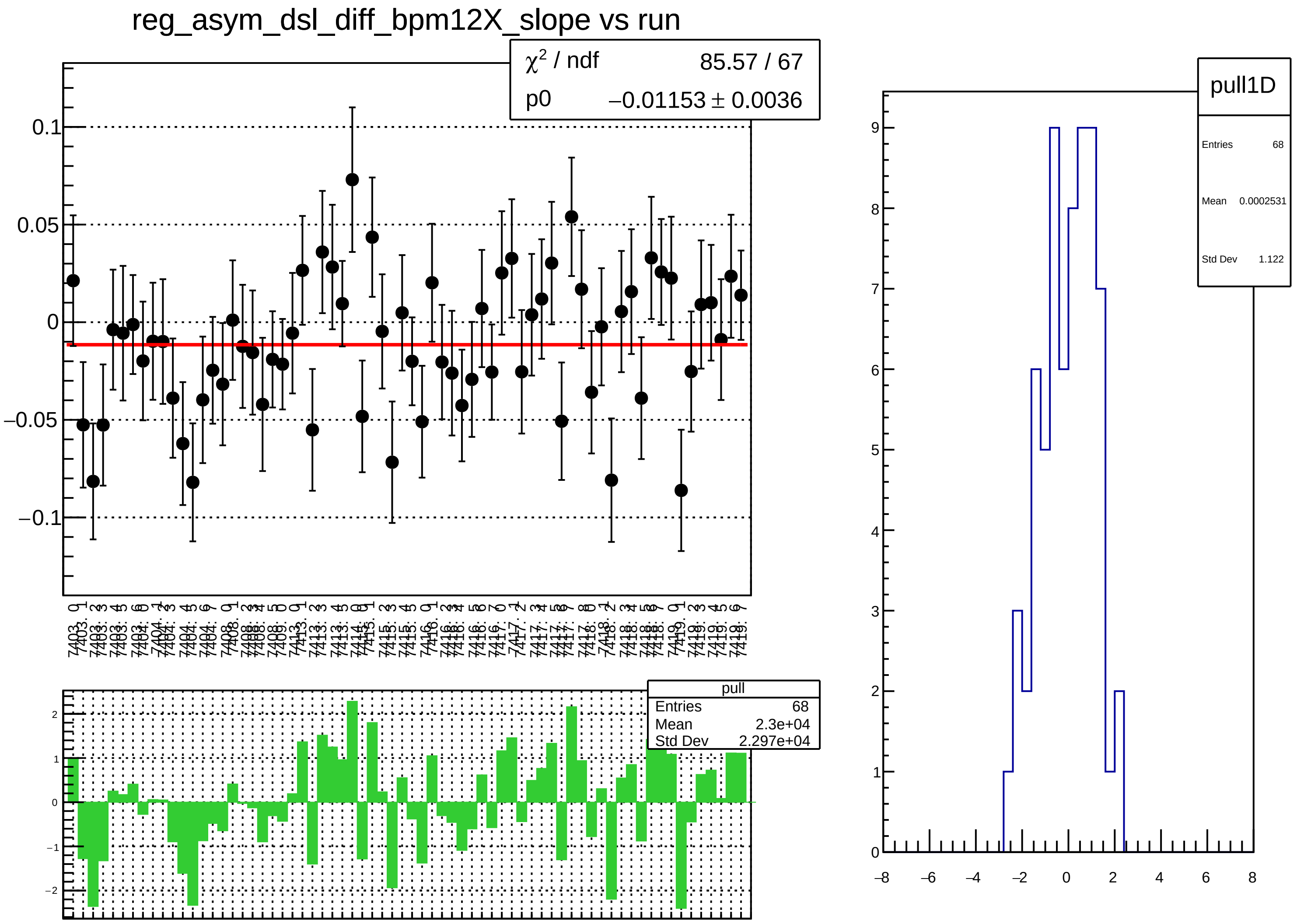


reg_asym_dsl_diff_bpm1X_slope vs run
χ^2 / ndf 56.35 / 67
p0 −0.09547 ± 0.0759
pull
Entries 68
Mean −98.27
Std Dev 121.1
pull1D
Entries 68
Mean 0.02225
Std Dev 0.91

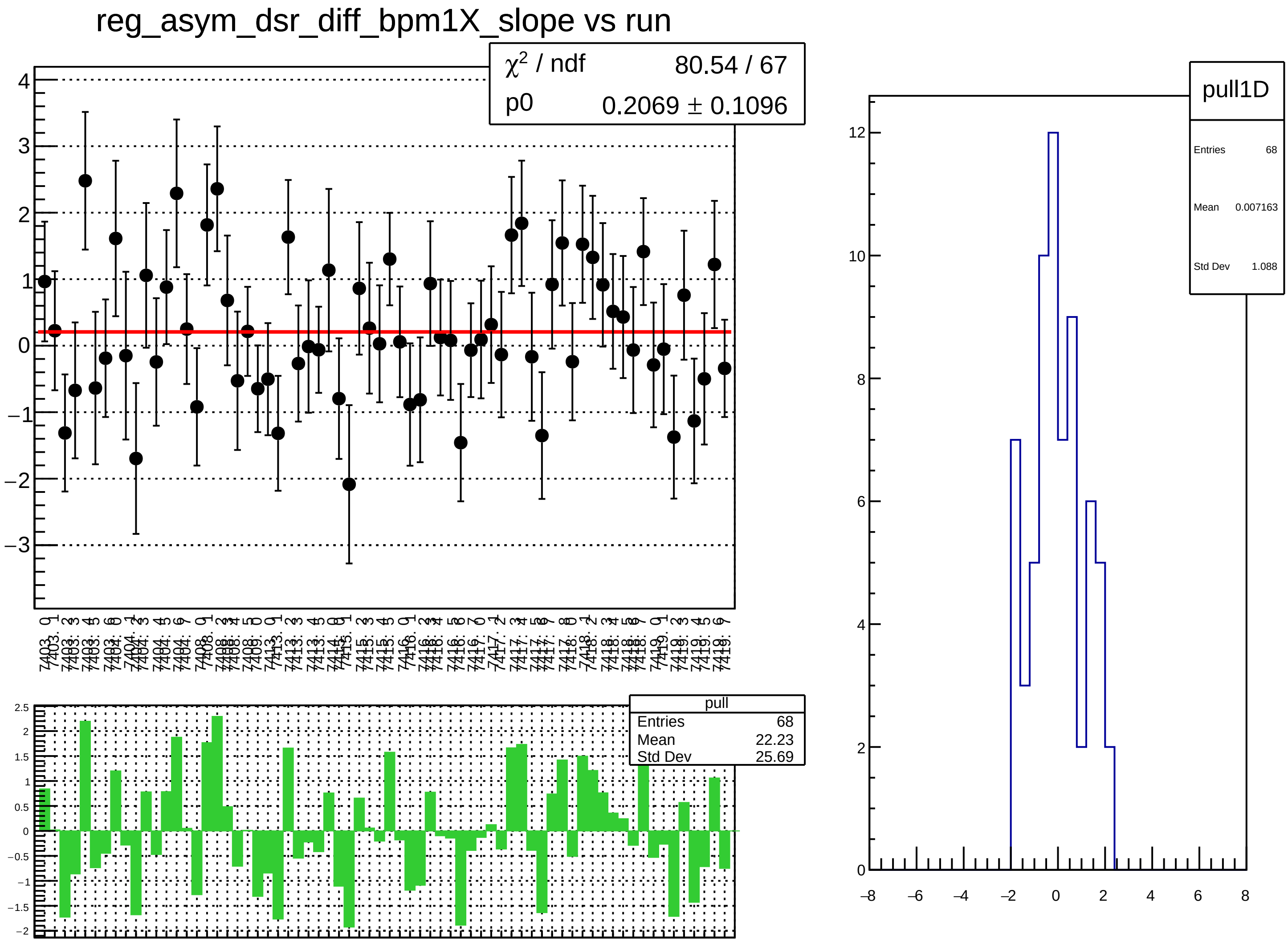

reg_asym_dsl_diff_bpm4aY_slope vs run
χ2 / ndf 78.55 / 67
p0 −0.1403 ± 0.07741
pull
Entries 68
Mean 234.1
Std Dev 223.9
pull1D
Entries 68
Mean −0.001701
Std Dev 1.075


reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 62.36 / 67
p0 0.1041 ± 0.07889
pull
Entries 68
Mean −83.34
Std Dev 106.8
pull1D
Entries 68
Mean −0.02761
Std Dev 0.9572

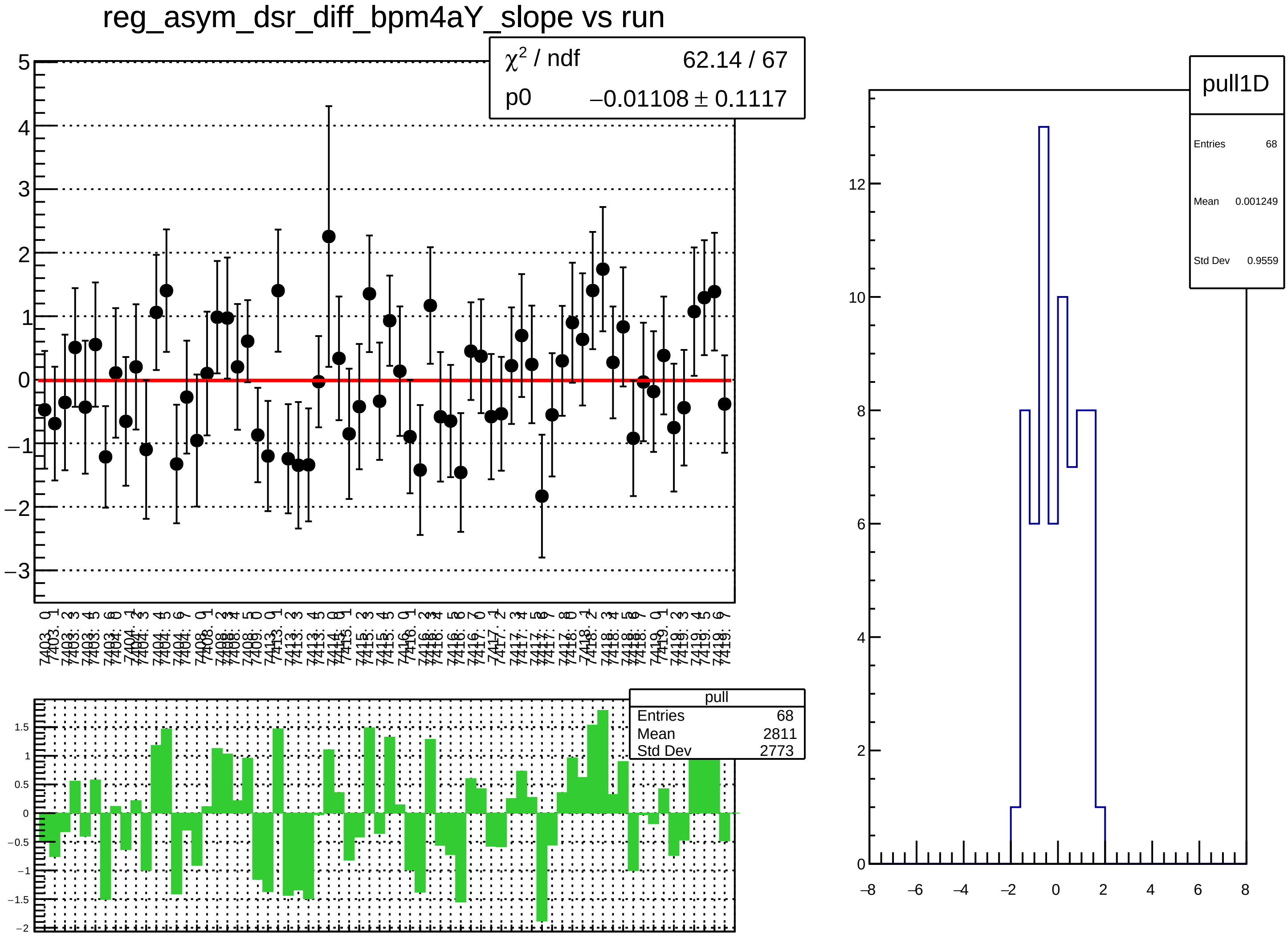

reg_asym_dsl_diff_bpm4eY_slope vs run
χ2 / ndf 74.09 / 67
p0 0.1632 ± 0.08178
pull
Entries 68
Mean 215.4
Std Dev 226.5
pull1D
Entries 68
Mean 0.001387
Std Dev 1.044



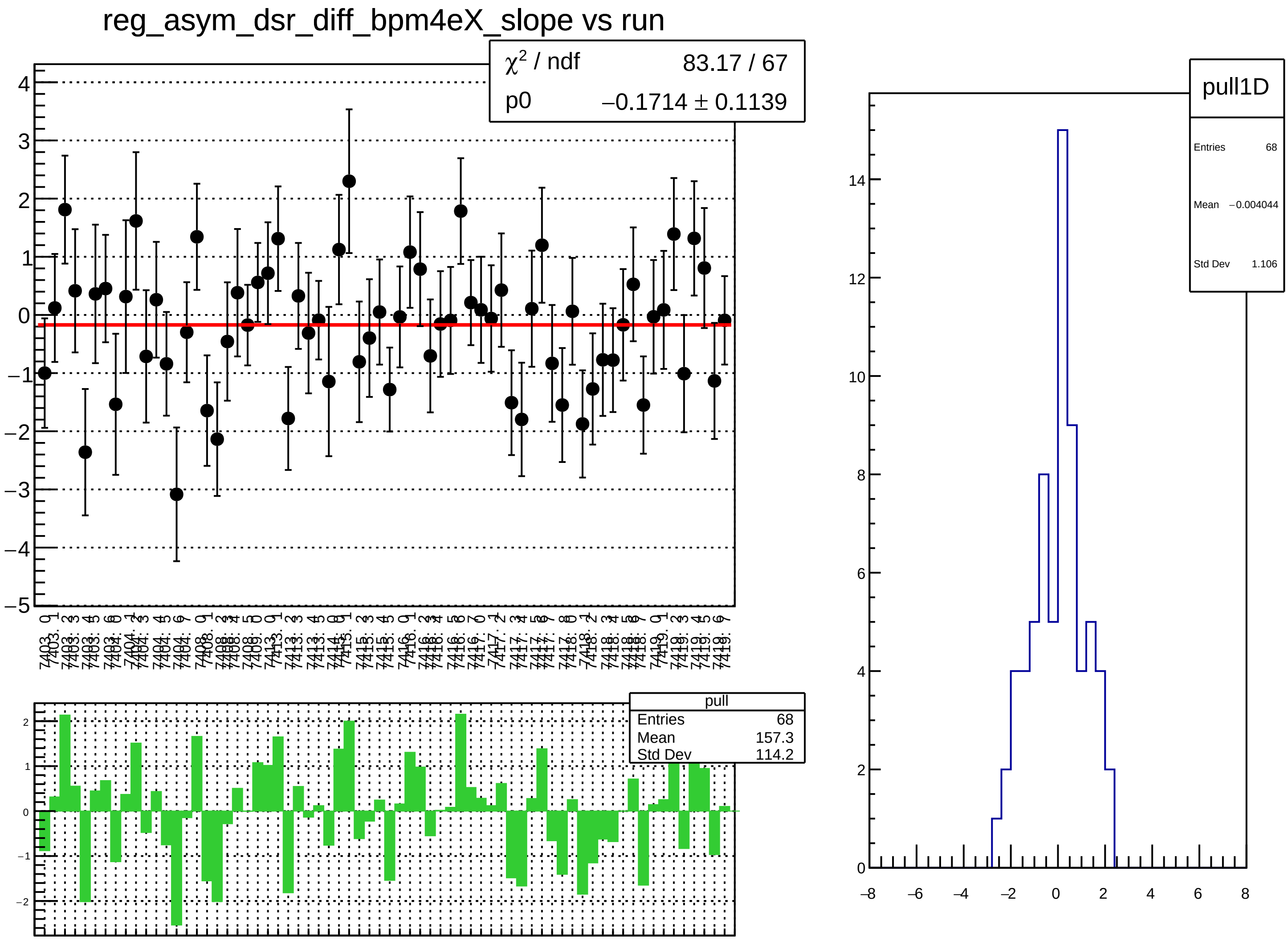
reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 85.57 / 67
p0 −0.01153 ± 0.0036
pull
Entries 68
Mean 2.3e+04
Std Dev 2.297e+04
pull1D
Entries 68
Mean 0.0002531
Std Dev 1.122



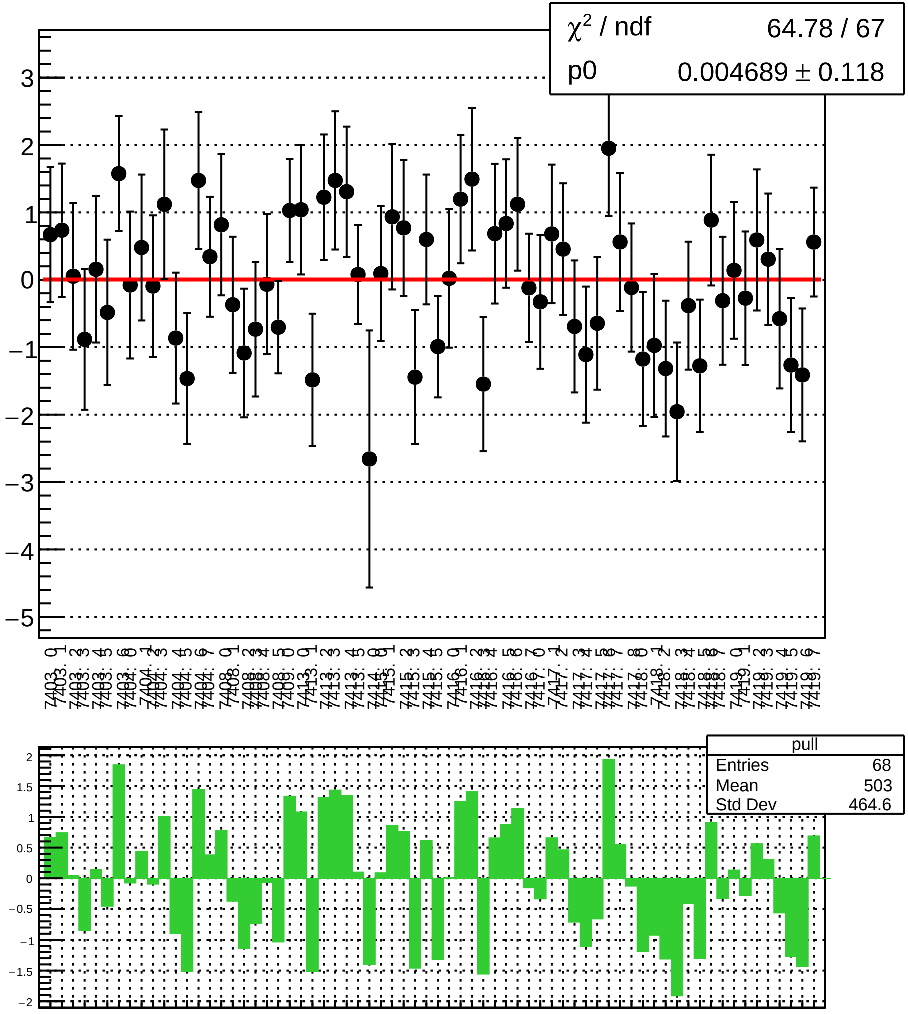
reg_asym_dsr_diff_bpm1X_slope vs run
χ2 / ndf 80.54 / 67
p0 0.2069 ± 0.1096
pull
Entries 68
Mean 22.23
Std Dev 25.69
pull1D
Entries 68
Mean 0.007163
Std Dev 1.088

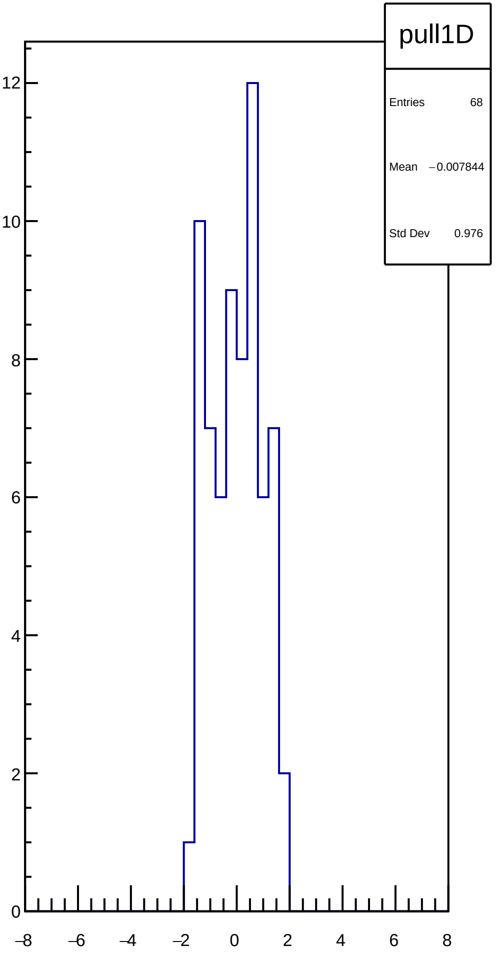


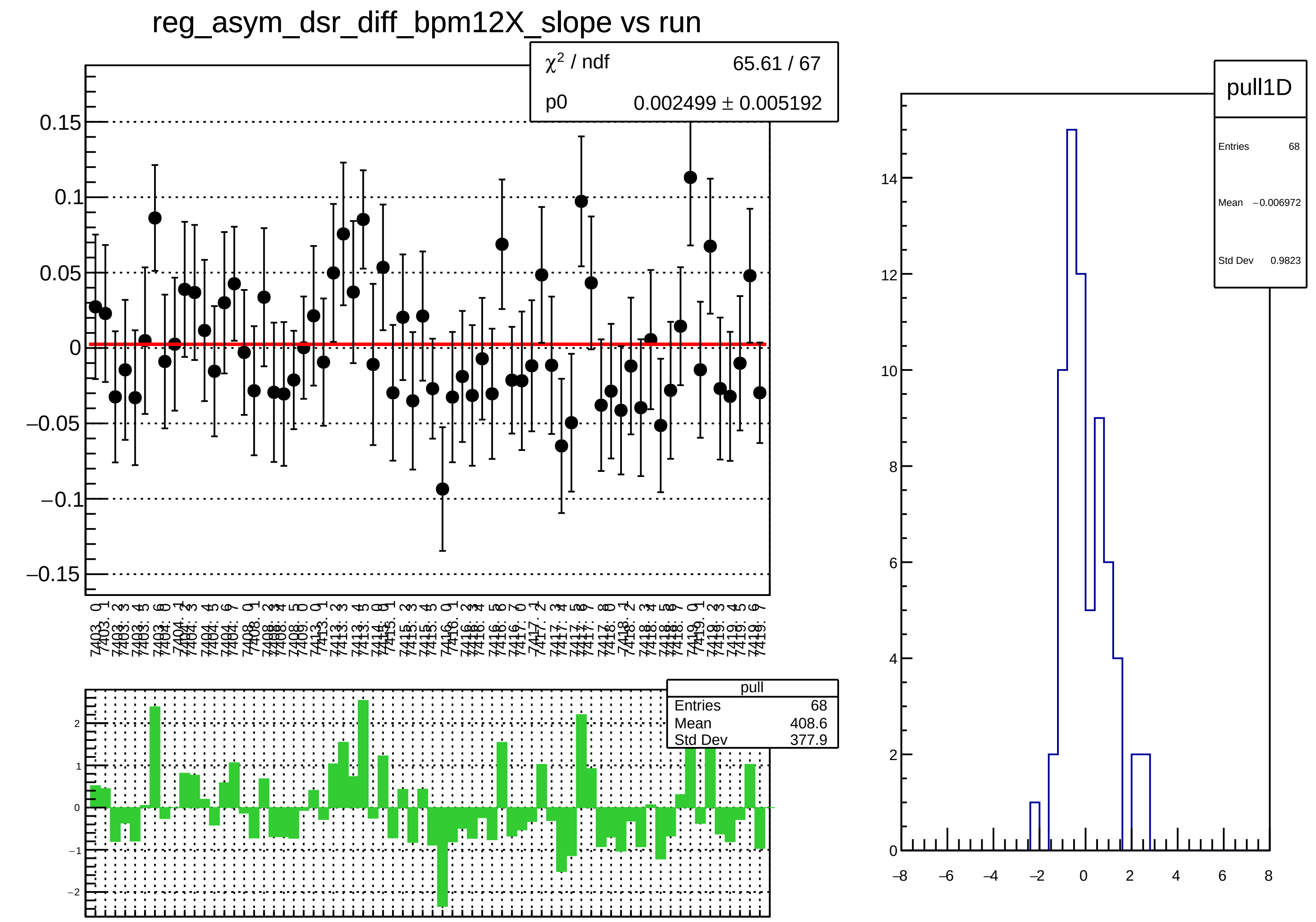
reg_asym_dsr_diff_bpm4aY_slope vs run
χ2 / ndf 62.14 / 67
p0 −0.01108 ± 0.1117
pull
Entries 68
Mean 2811
Std Dev 2773
pull1D
Entries 68
Mean 0.001249
Std Dev 0.9559


reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 83.17 / 67
p0 −0.1714 ± 0.1139
pull
Entries 68
Mean 157.3
Std Dev 114.2
pull1D
Entries 68
Mean −0.004044
Std Dev 1.106

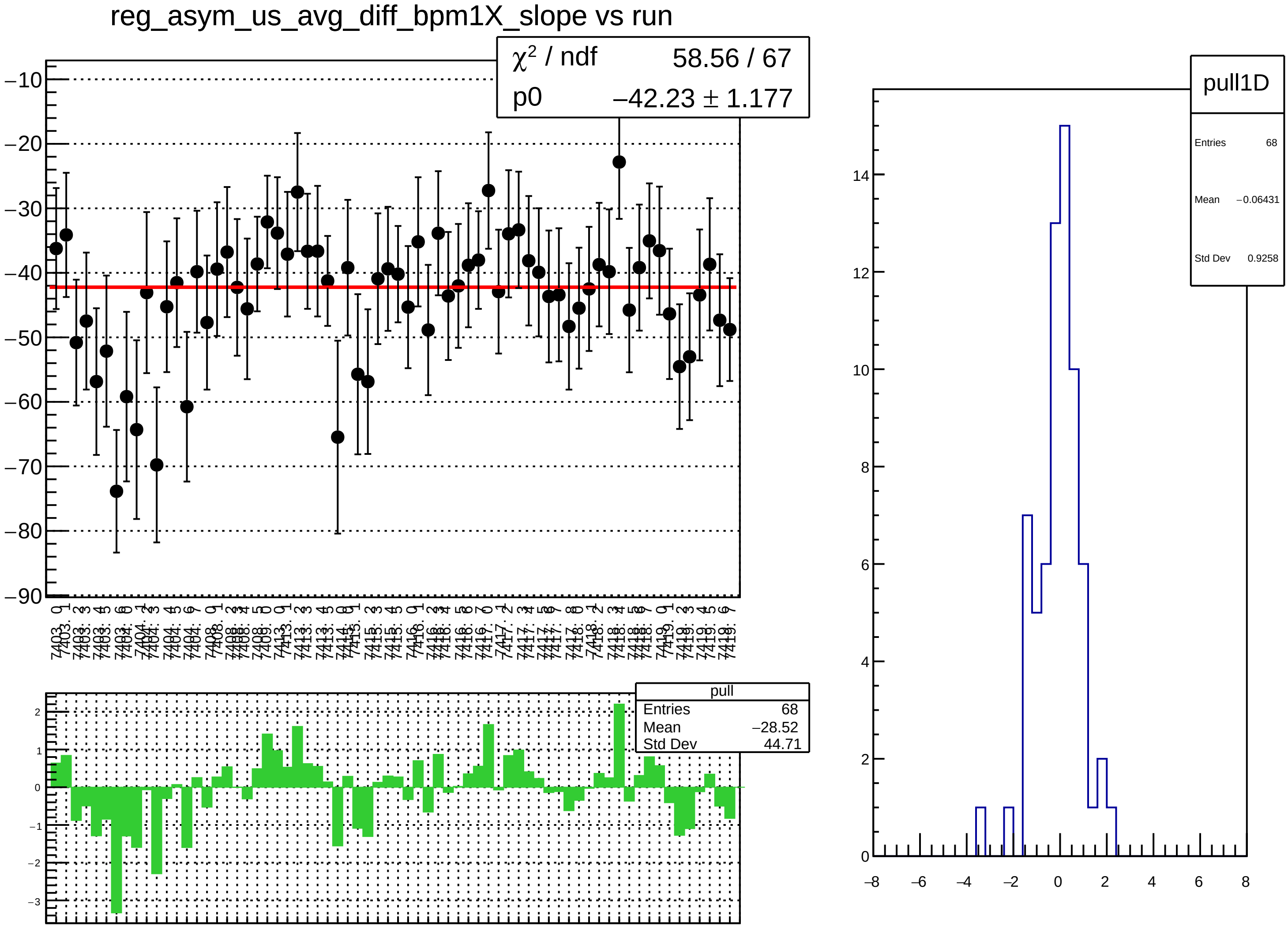
reg_asym_dsr_diff_bpm4eY_slope vs run

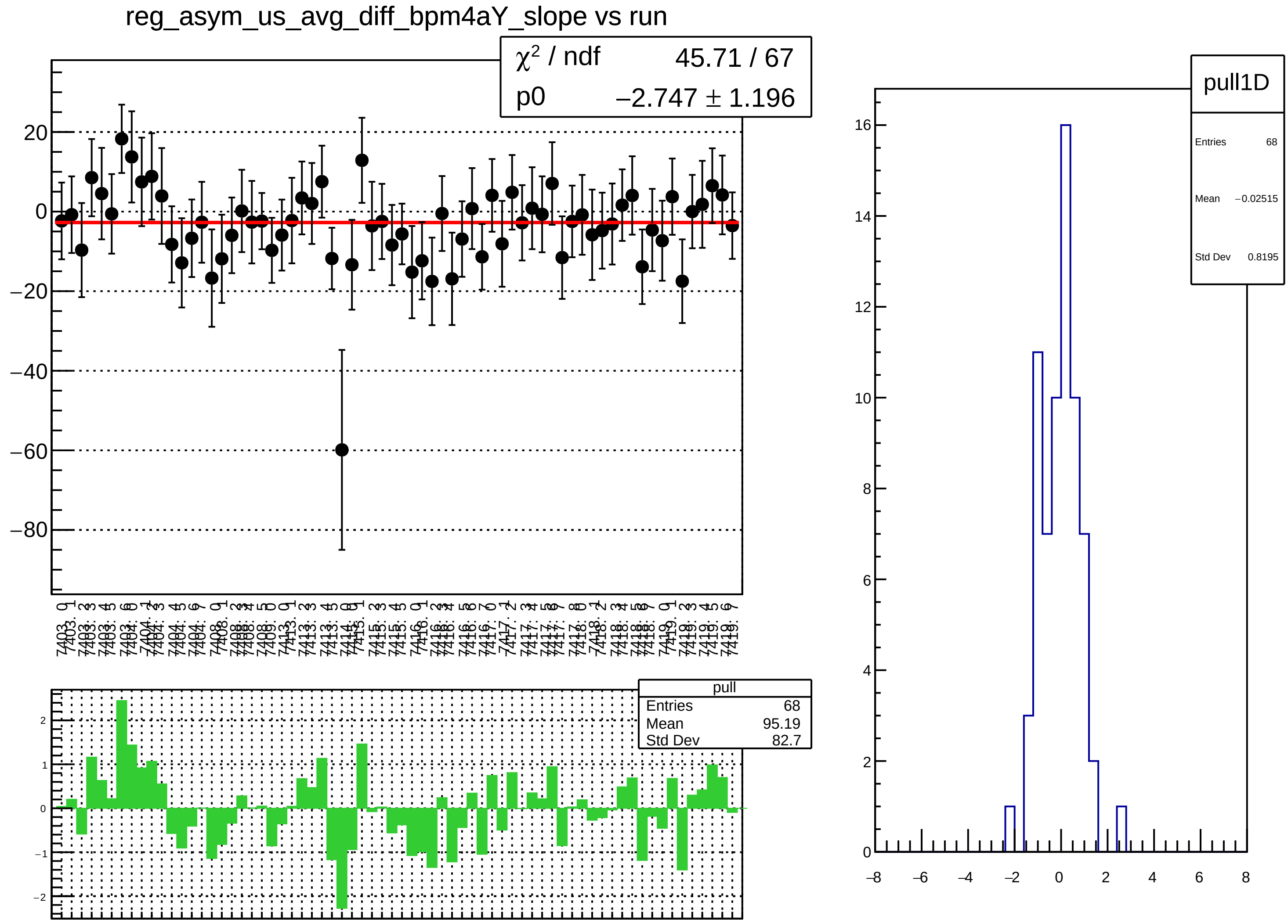




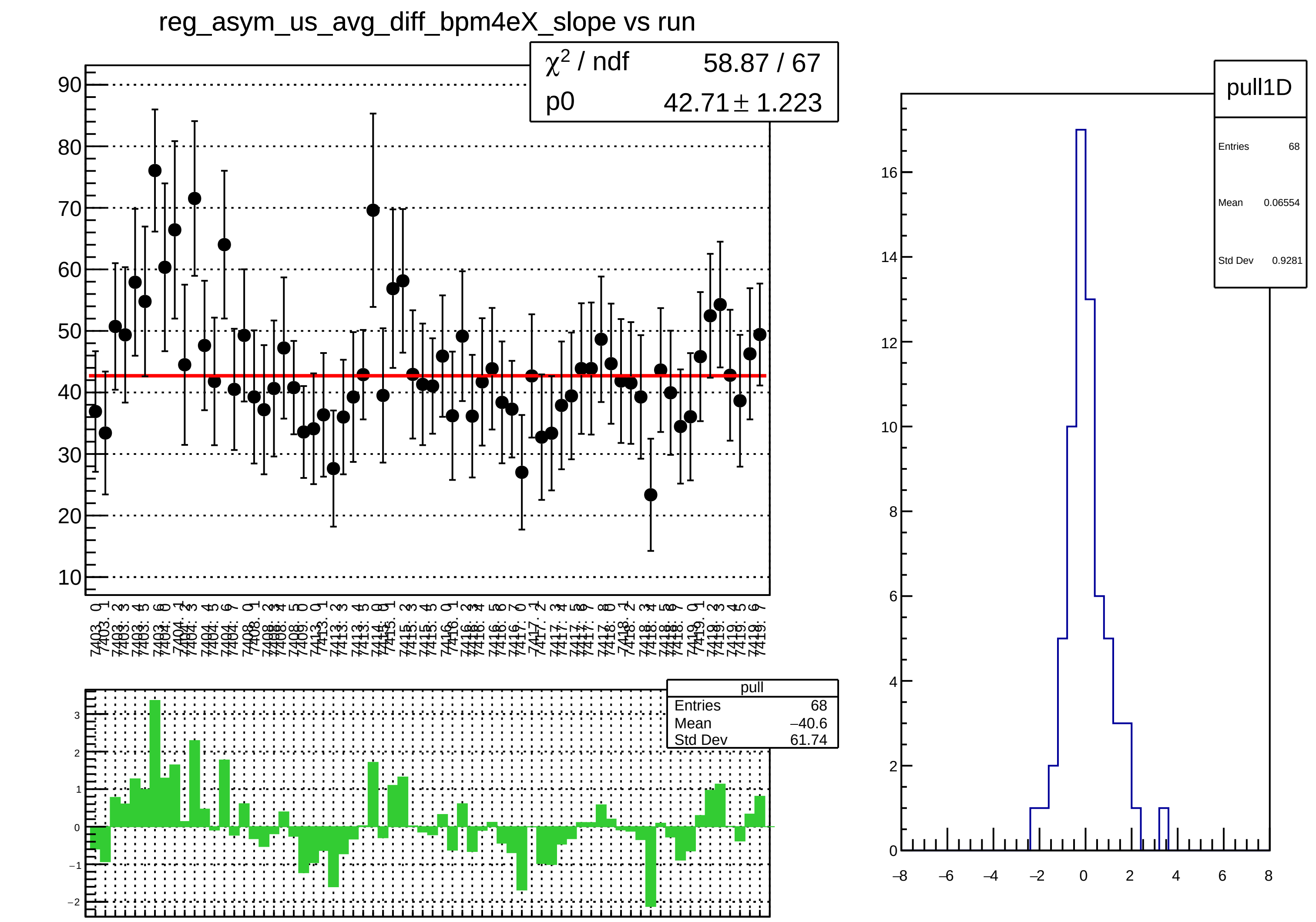


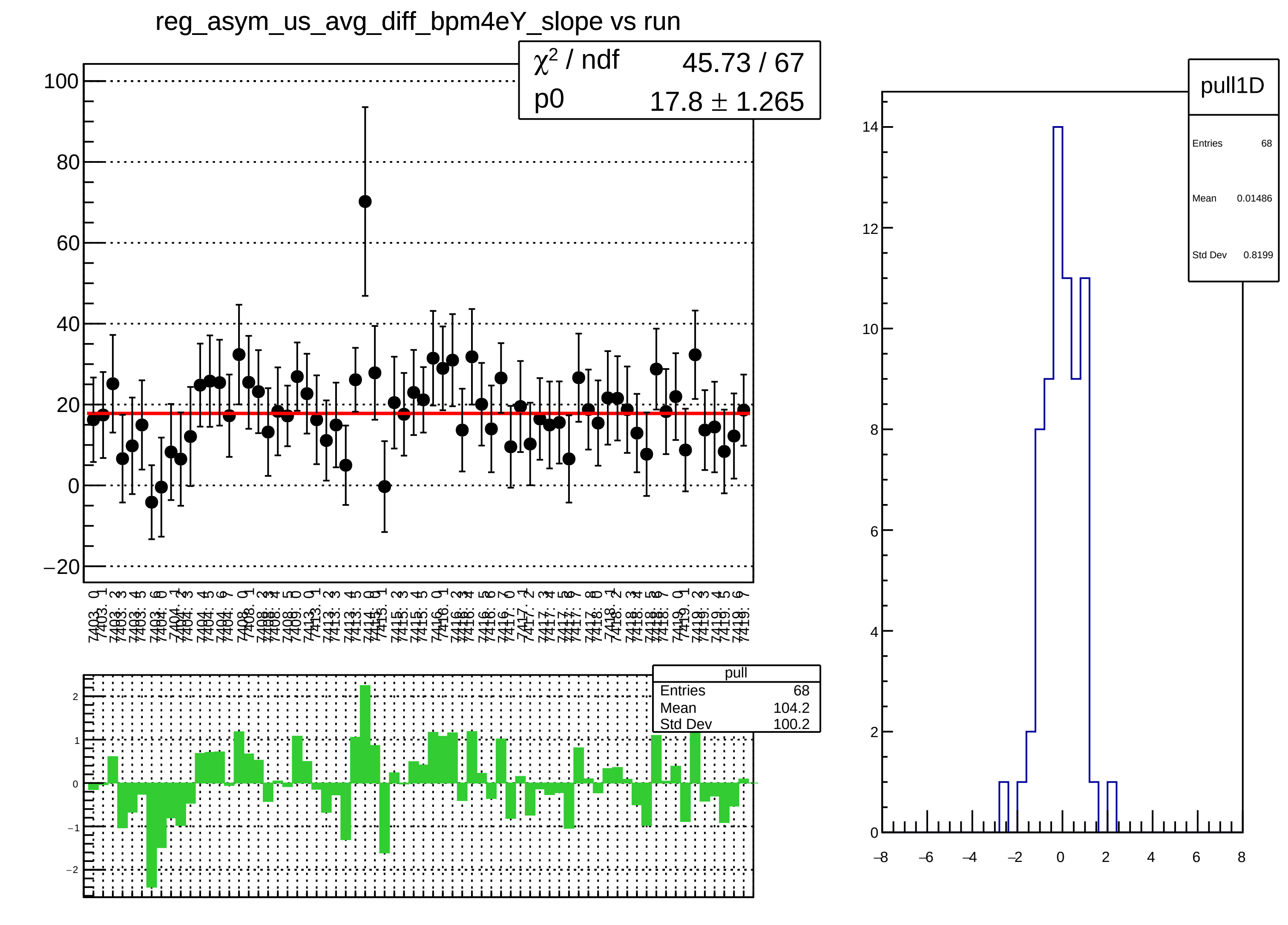
reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 65.61 / 67
p0 0.002499 ± 0.005192
pull
Entries 68
Mean 408.6
Std Dev 377.9
pull1D
Entries 68
Mean −0.006972
Std Dev 0.9823


reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 58.56 / 67
p0 −42.23 ± 1.177
pull
Entries 68
Mean −28.52
Std Dev 44.71
pull1D
Entries 68
Mean −0.06431
Std Dev 0.9258

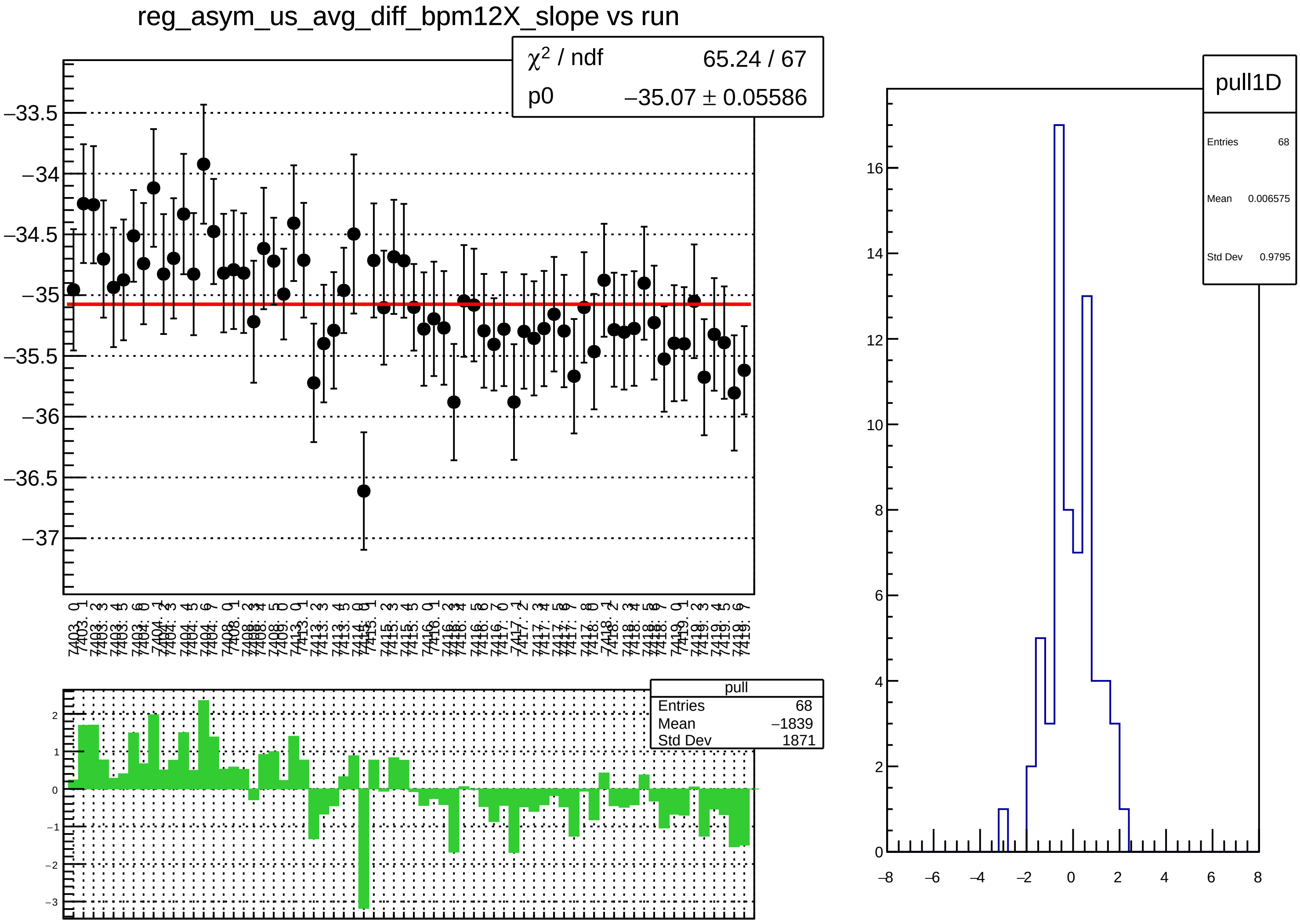


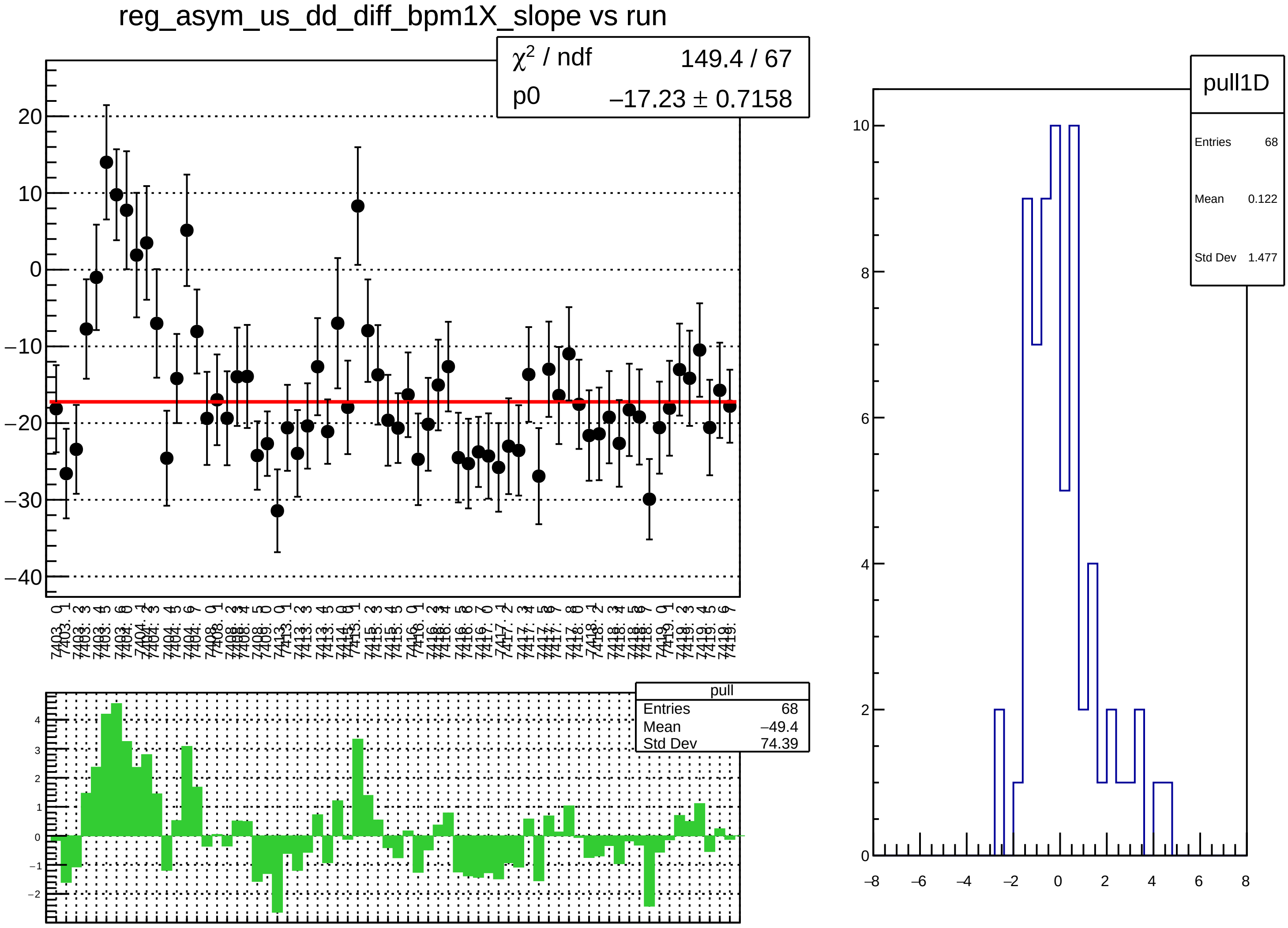
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 45.71 / 67
p0 −2.747 ± 1.196
pull
Entries 68
Mean 95.19
Std Dev 82.7
pull1D
Entries 68
Mean −0.02515
Std Dev 0.8195


reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 58.87 / 67
p0 42.71 ± 1.223
pull
Entries 68
Mean −40.6
Std Dev 61.74
pull1D
Entries 68
Mean 0.06554
Std Dev 0.9281

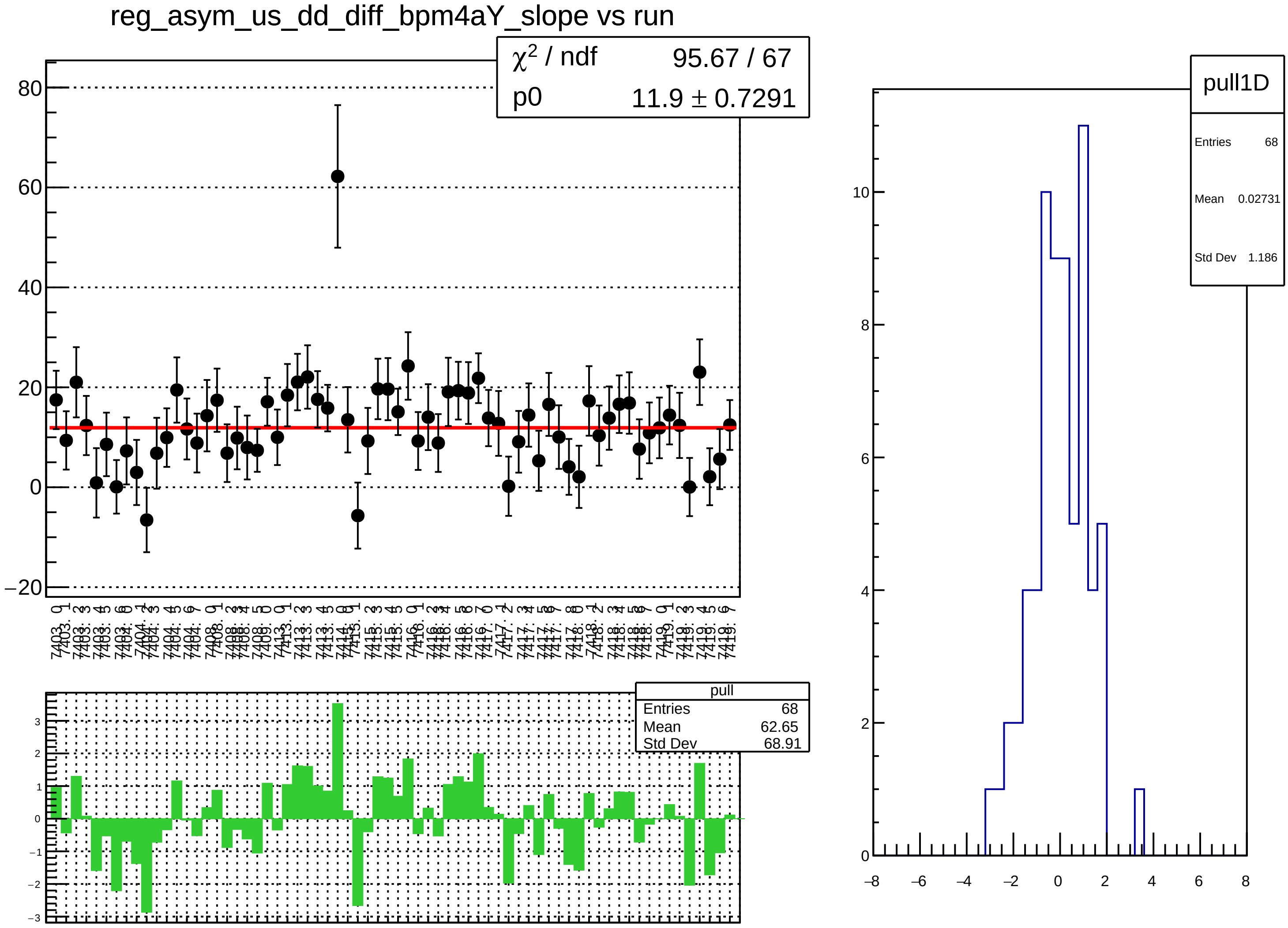


reg_asym_us_avg_diff_bpm4eY_slope vs run
χ2 / ndf 45.73 / 67
p0 17.8 ± 1.265
pull
Entries 68
Mean 104.2
Std Dev 100.2
pull1D
Entries 68
Mean 0.01486
Std Dev 0.8199

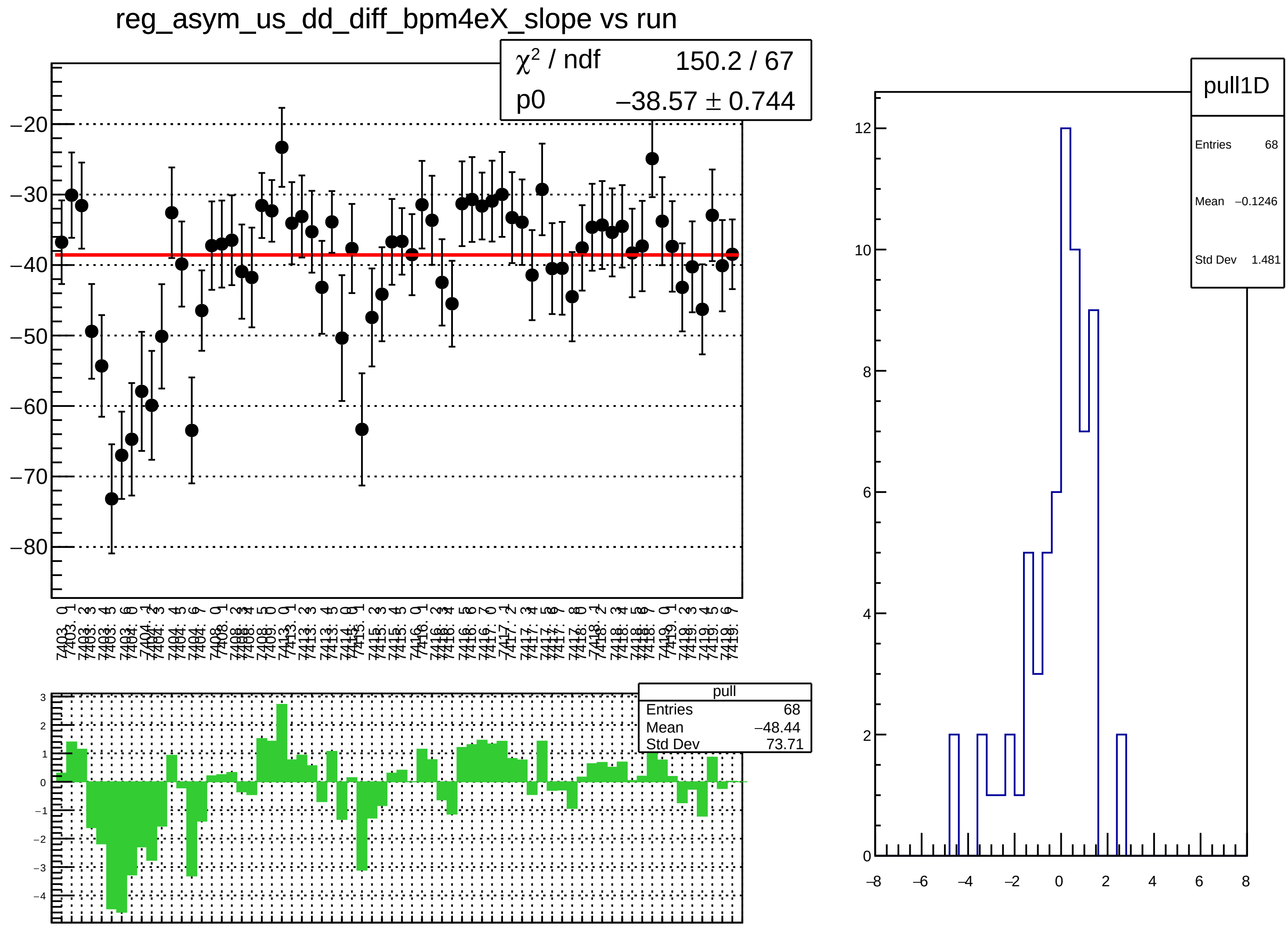

reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 65.24 / 67
p0 −35.07 ± 0.05586
pull
Entries 68
Mean −1839
Std Dev 1871
pull1D
Entries 68
Mean 0.006575
Std Dev 0.9795



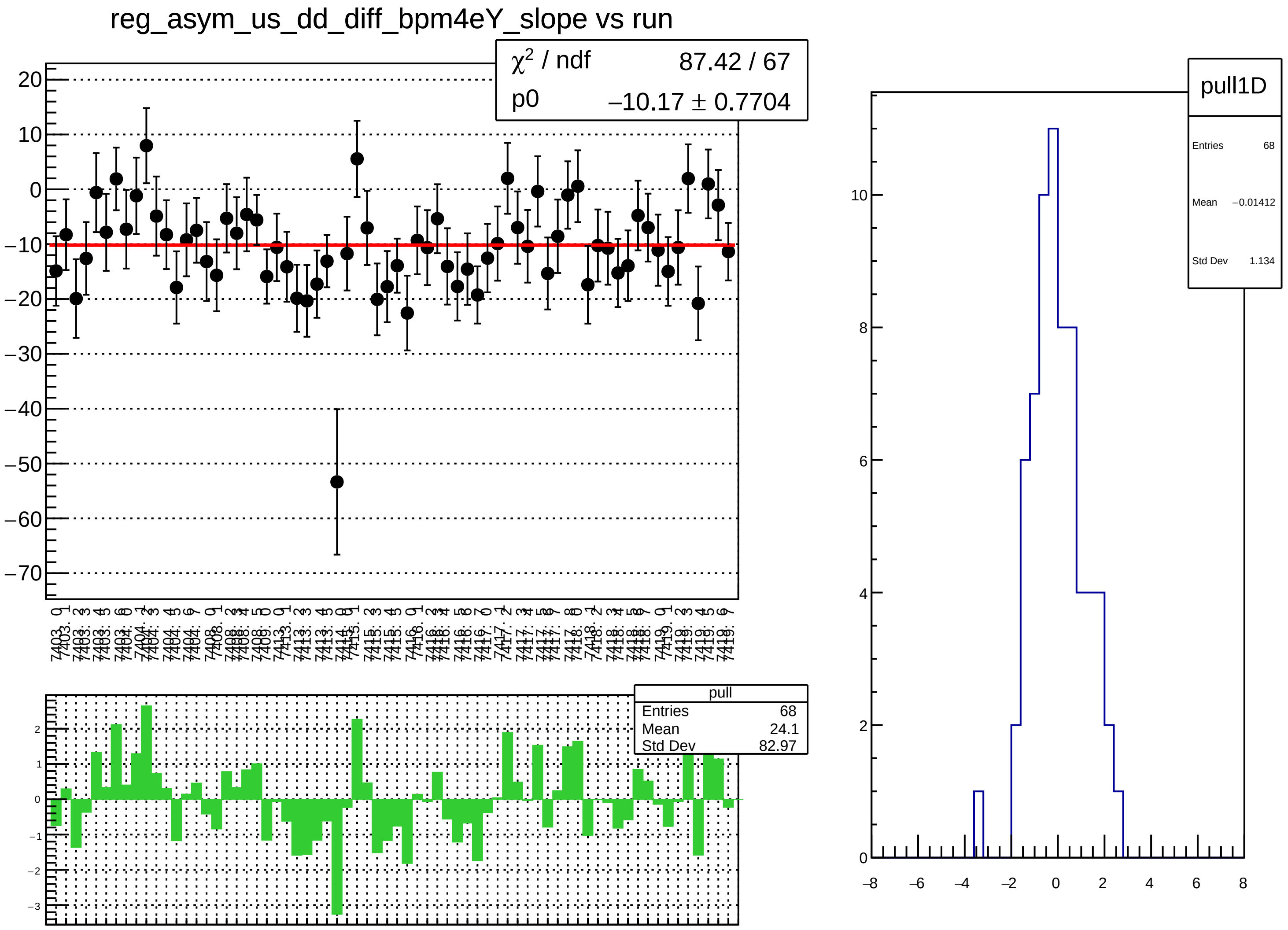
reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 149.4 / 67
p0 −17.23 ± 0.7158
pull
Entries 68
Mean −49.4
Std Dev 74.39
pull1D
Entries 68
Mean 0.122
Std Dev 1.477



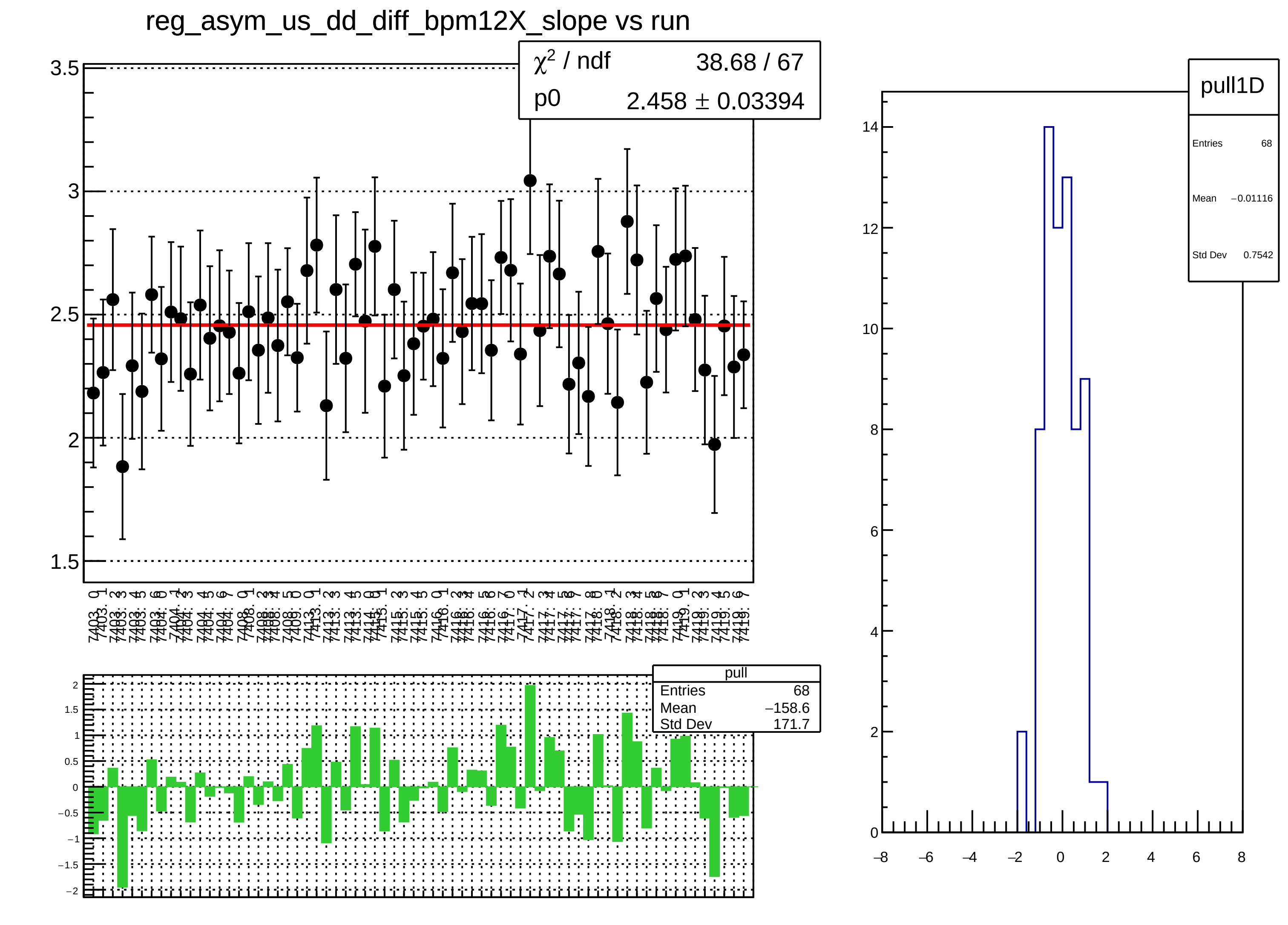
reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 95.67 / 67
p0 11.9 ± 0.7291
80
60
40
20
0
−20
pull
Entries 68
Mean 62.65
Std Dev 68.91
3
2
1
0
−1
−2
−3
pull1D
Entries 68
Mean 0.02731
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



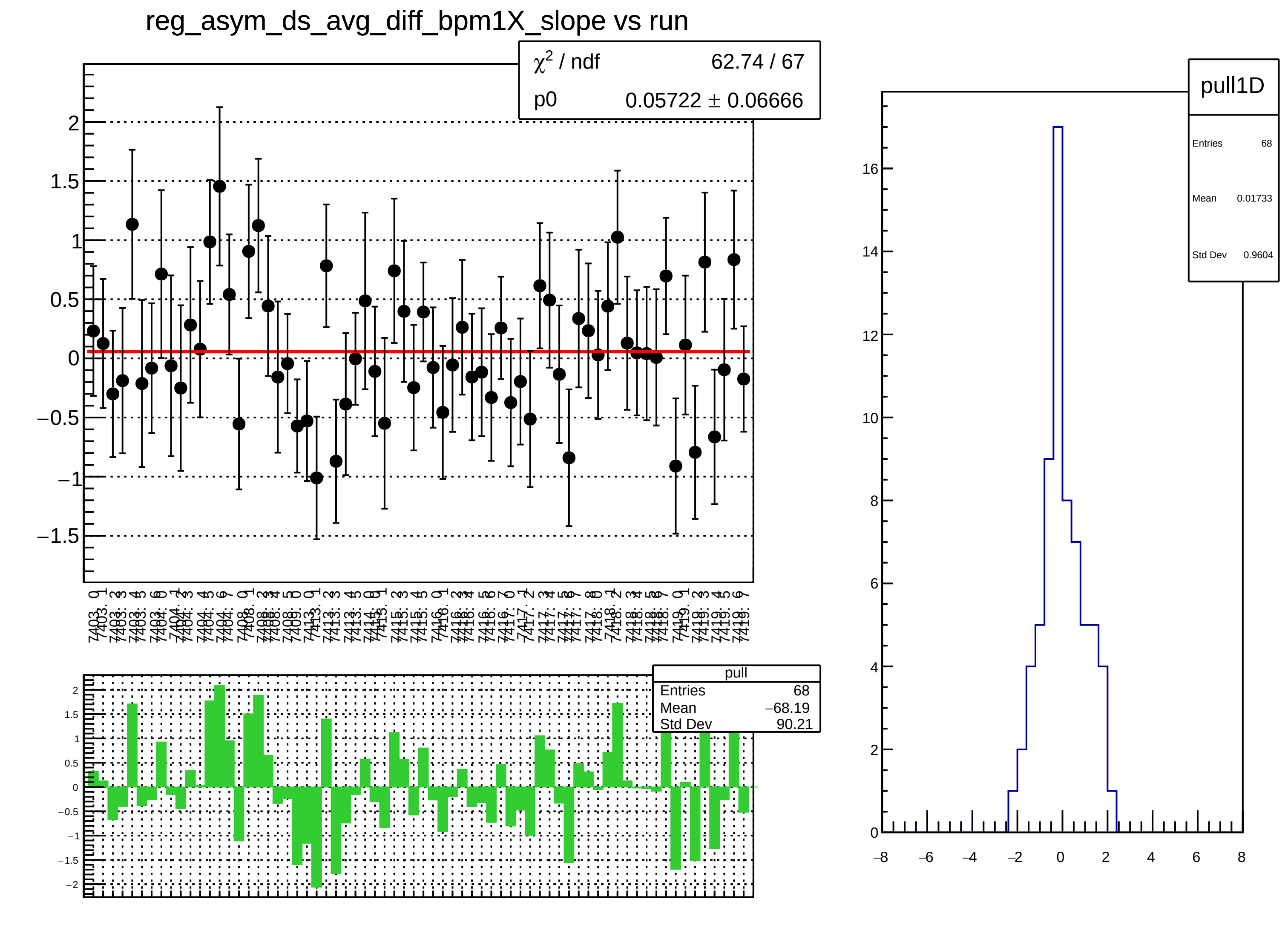
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ2 / ndf 150.2 / 67
p0 −38.57 ± 0.744
pull
Entries 68
Mean −48.44
Std Dev 73.71
pull1D
Entries 68
Mean −0.1246
Std Dev 1.481

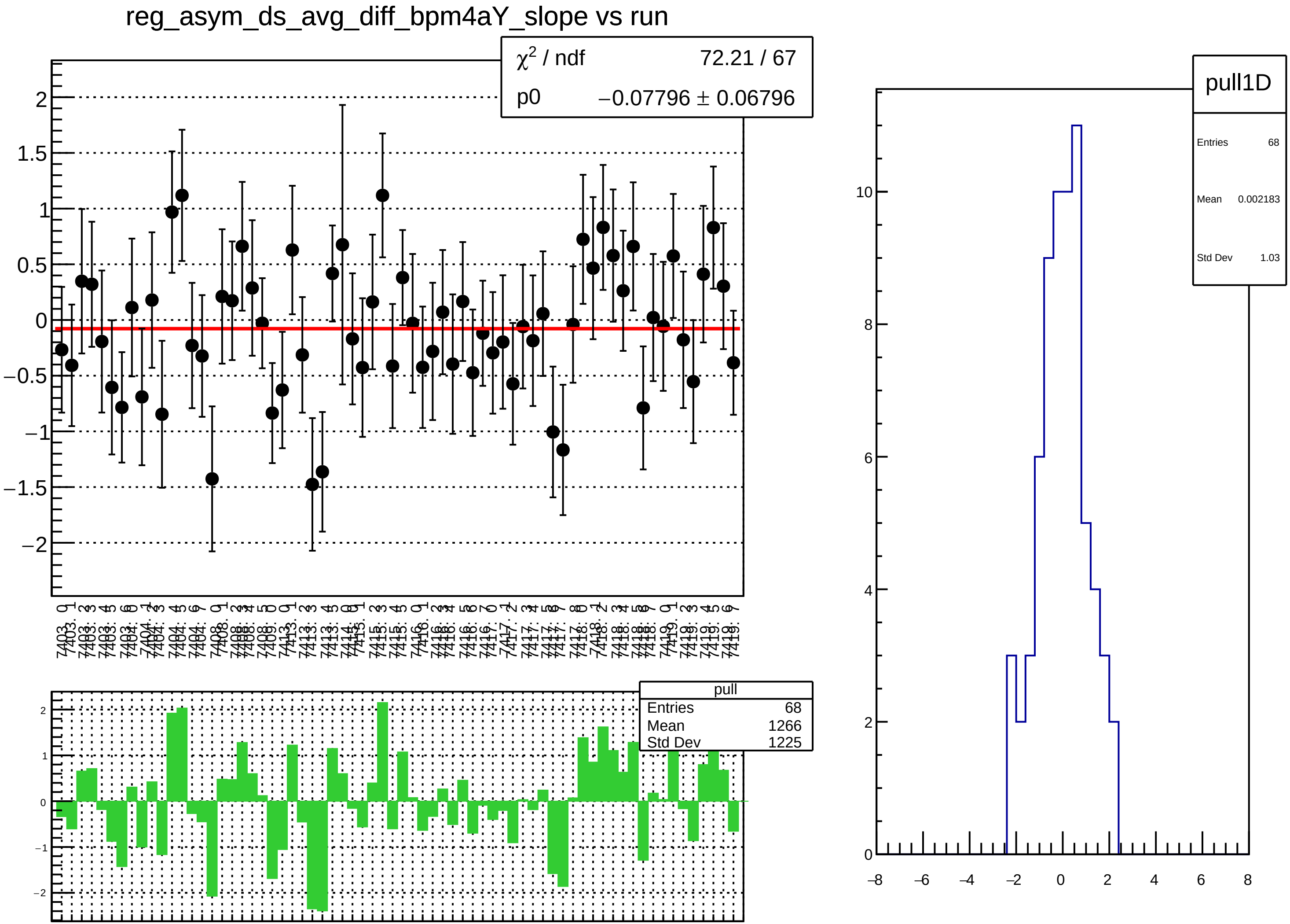


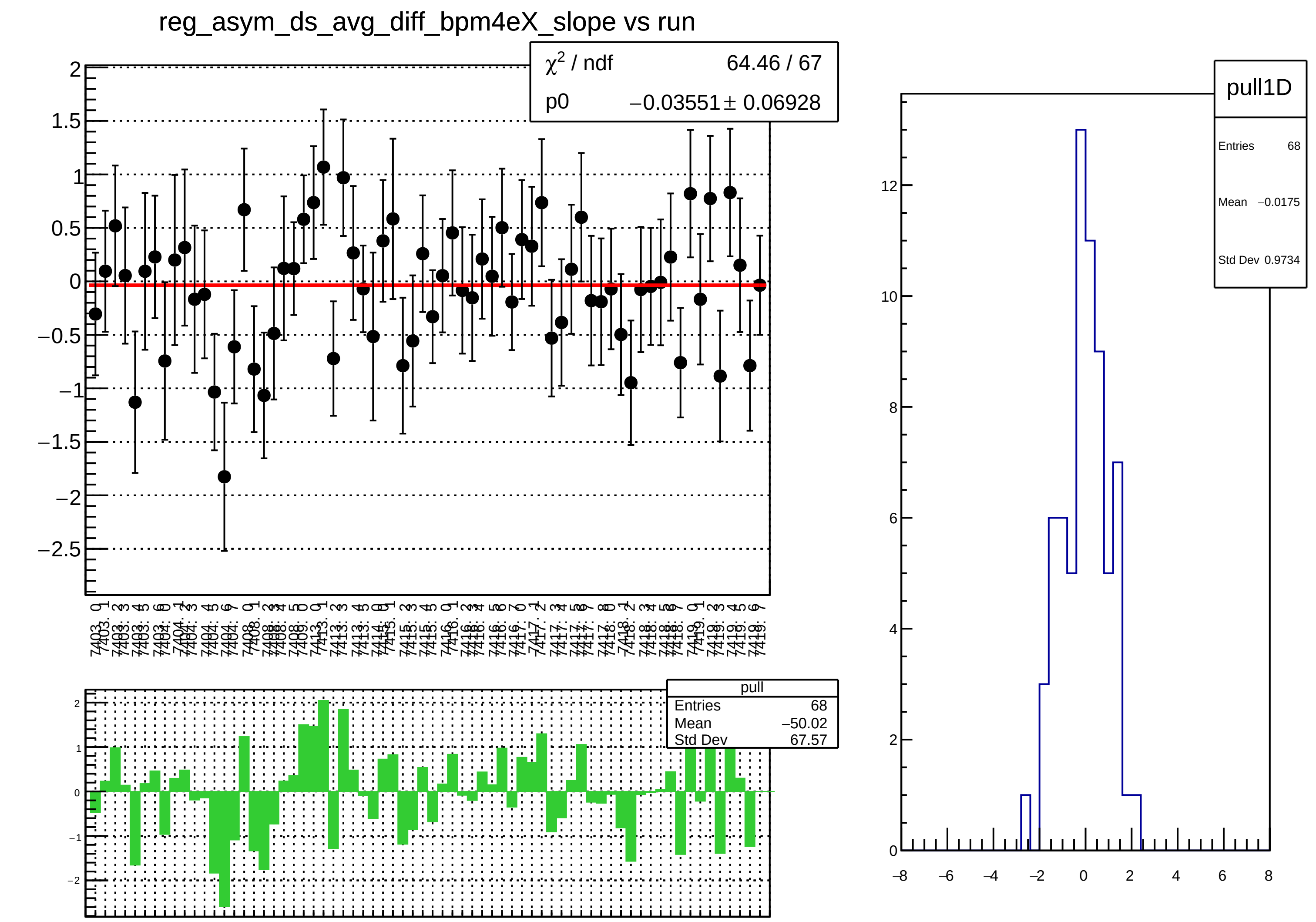
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 87.42 / 67
p0 −10.17 ± 0.7704
pull
Entries 68
Mean 24.1
Std Dev 82.97
pull1D
Entries 68
Mean −0.01412
Std Dev 1.134



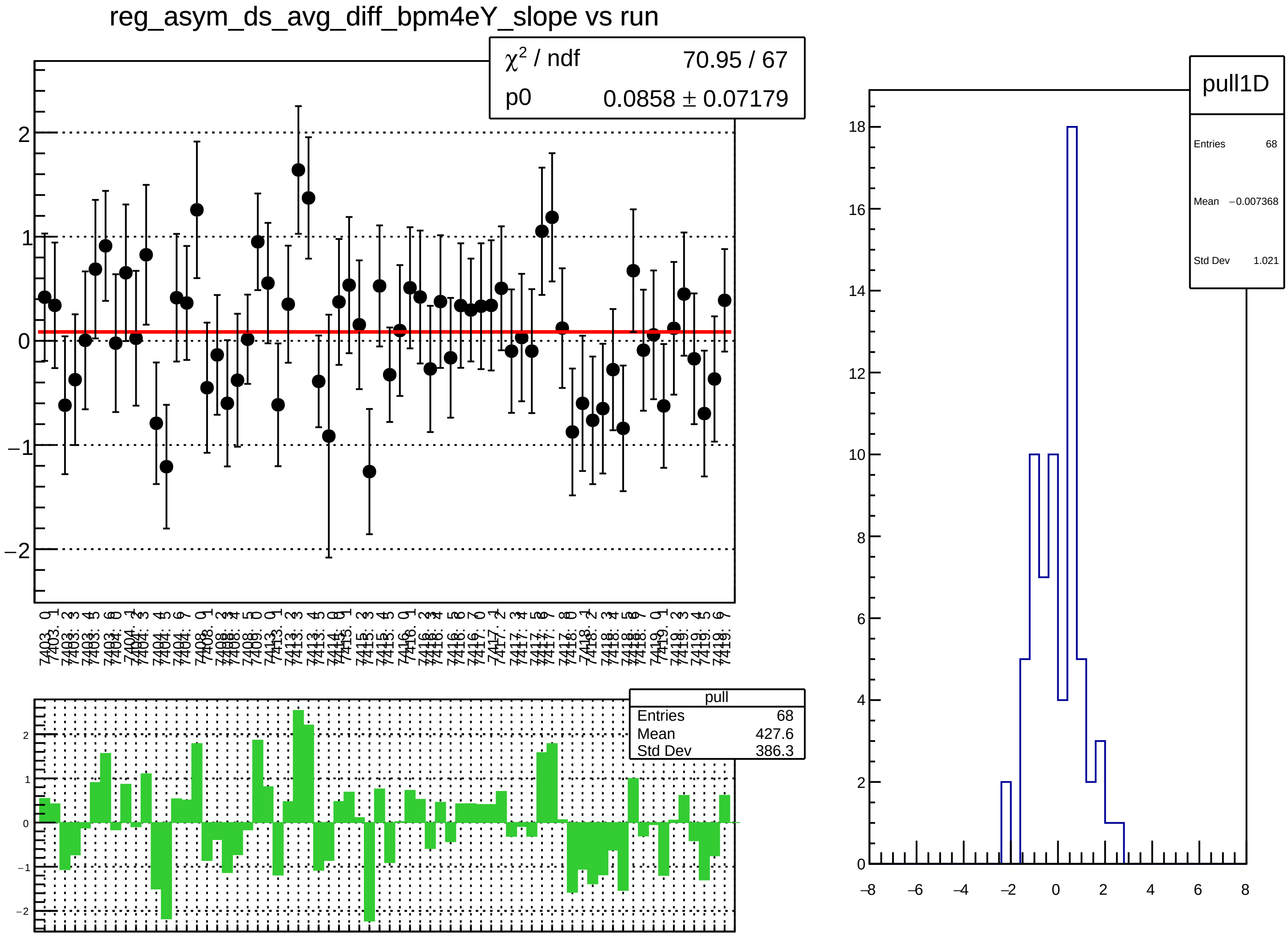
reg_asym_us_dd_diff_bpm12X_slope vs run
χ2 / ndf 38.68 / 67
p0 2.458 ± 0.03394
3.5
3
2.5
2
1.5
pull
Entries 68
Mean −158.6
Std Dev 171.7
pull1D
Entries 68
Mean −0.01116
Std Dev 0.7542

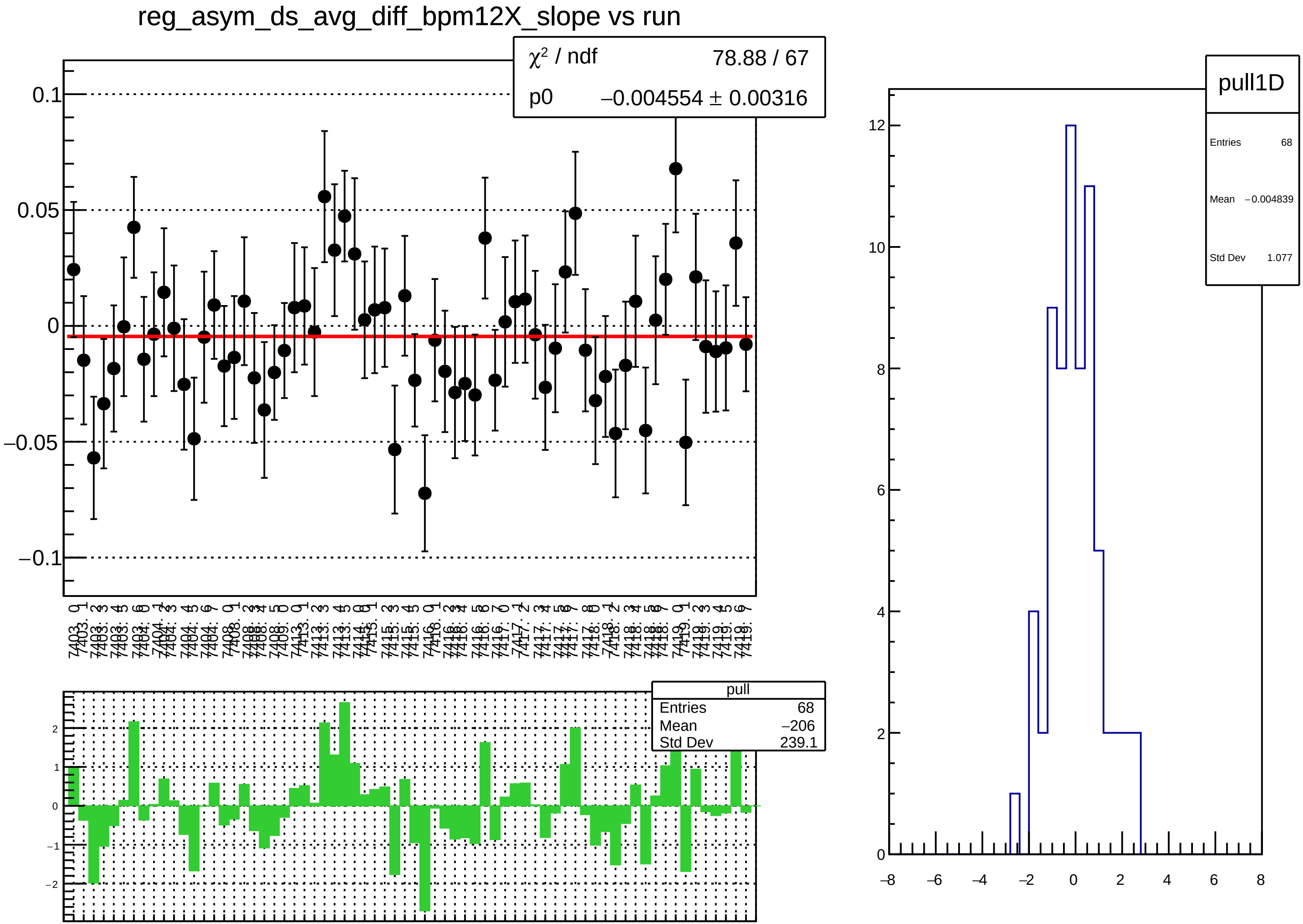

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 62.74 / 67
p0 0.05722 ± 0.06666
pull
Entries 68
Mean −68.19
Std Dev 90.21
pull1D
Entries 68
Mean 0.01733
Std Dev 0.9604

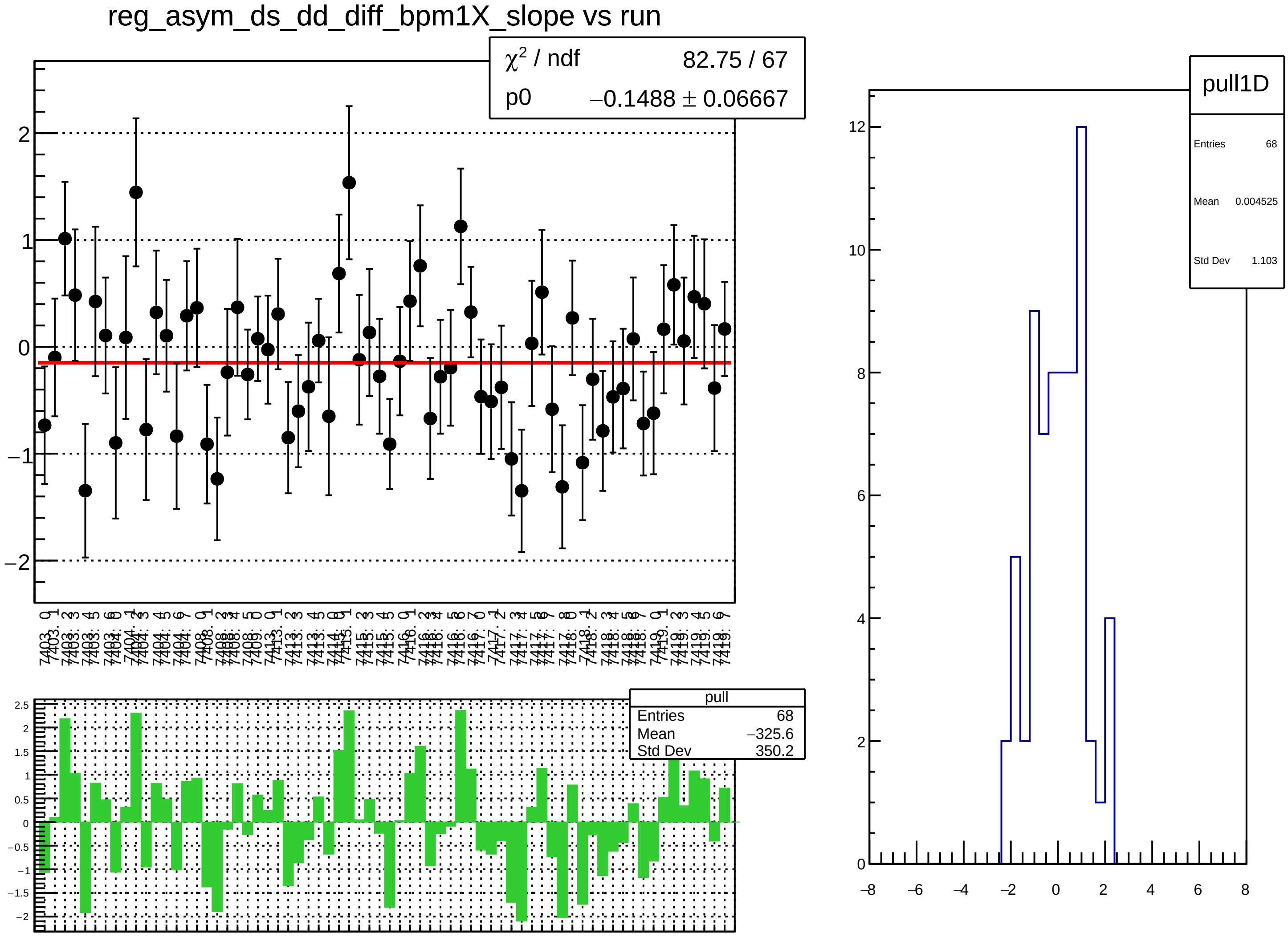

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 72.21 / 67
p0 −0.07796 ± 0.06796
pull
Entries 68
Mean 1266
Std Dev 1225
pull1D
Entries 68
Mean 0.002183
Std Dev 1.03



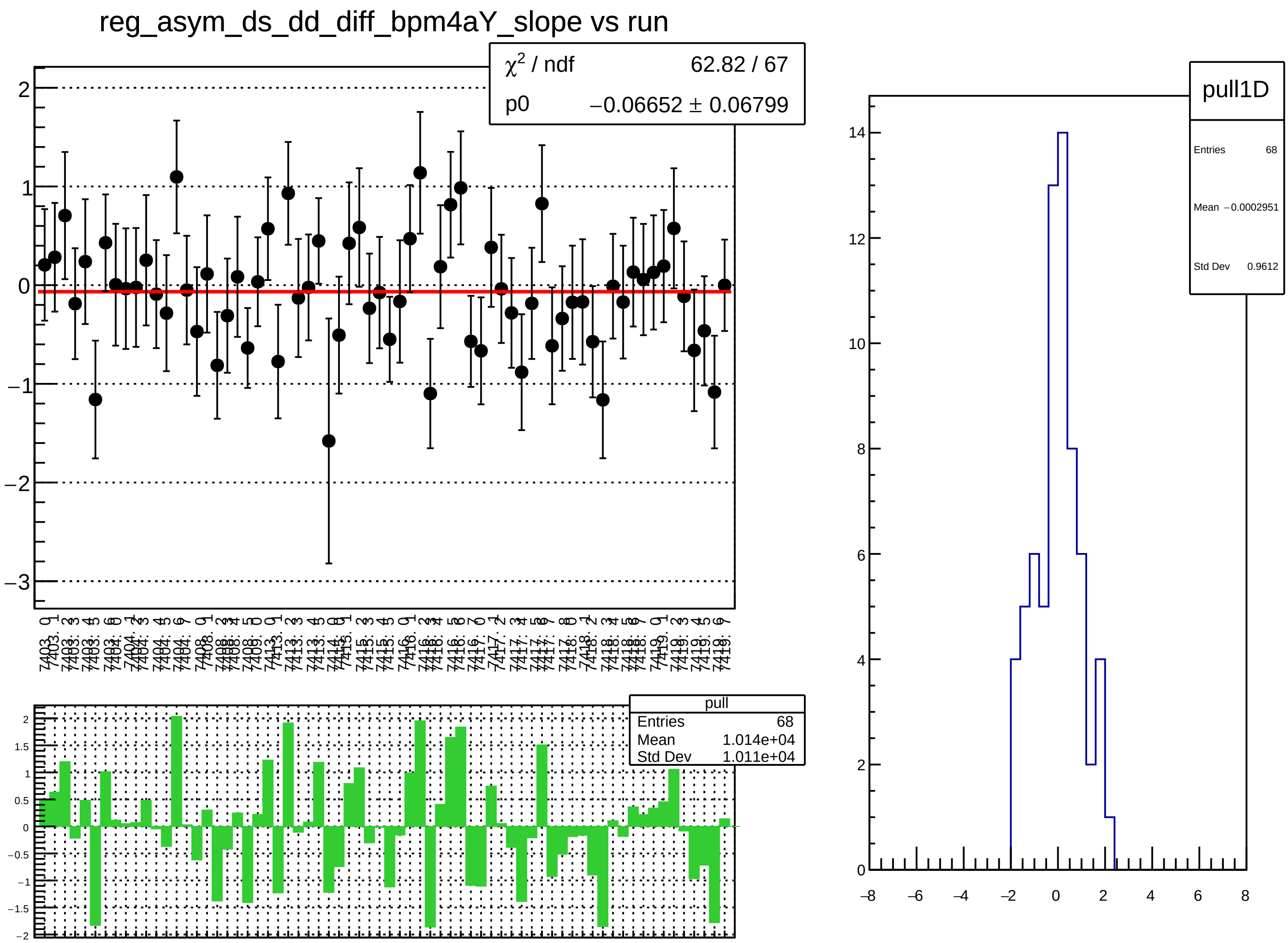
reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 64.46 / 67
p0 −0.03551 ± 0.06928
pull
Entries 68
Mean −50.02
Std Dev 67.57
pull1D
Entries 68
Mean −0.0175
Std Dev 0.9734

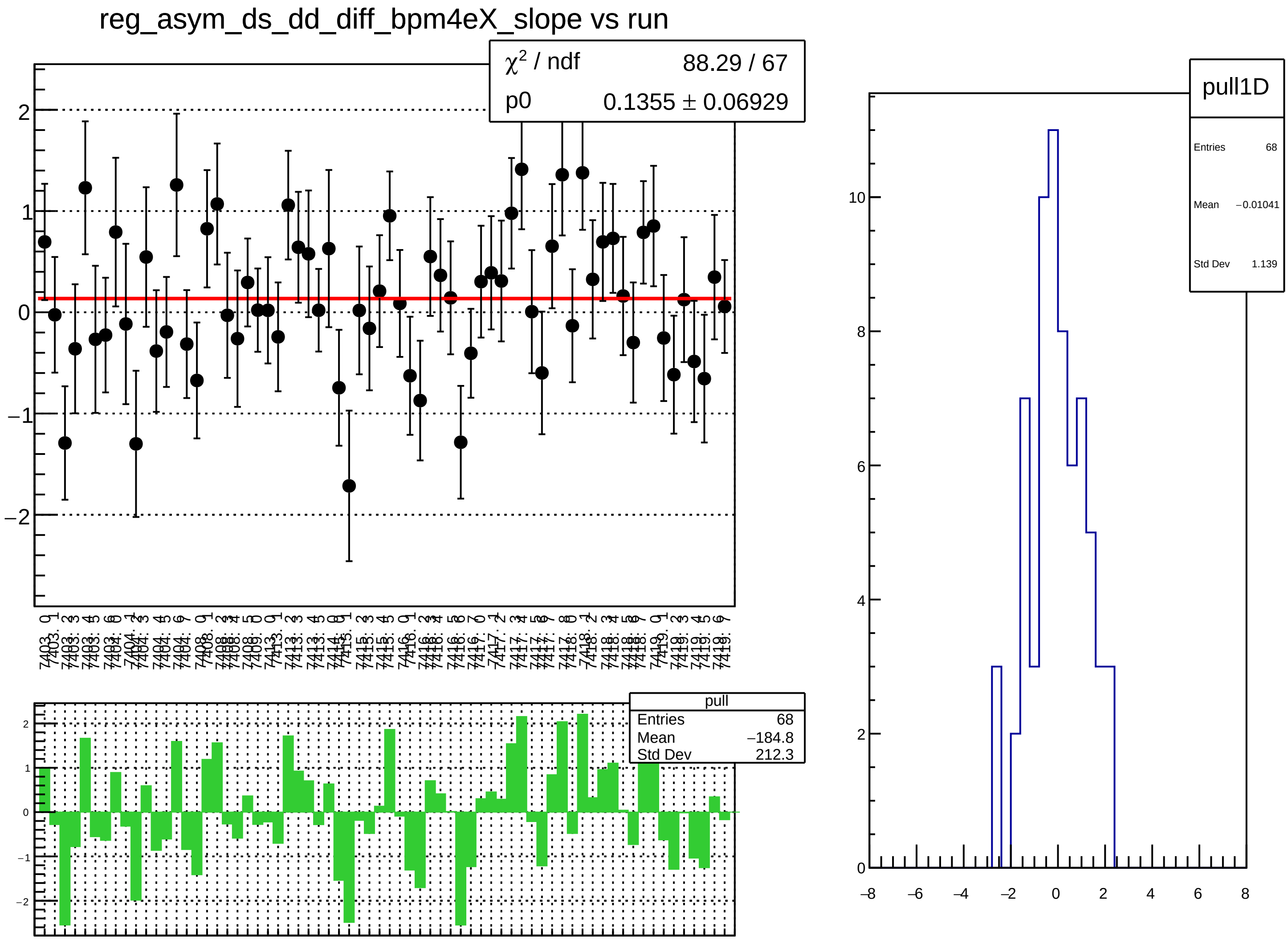

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ2 / ndf 70.95 / 67
p0 0.0858 ± 0.07179
pull
Entries 68
Mean 427.6
Std Dev 386.3
pull1D
Entries 68
Mean −0.007368
Std Dev 1.021

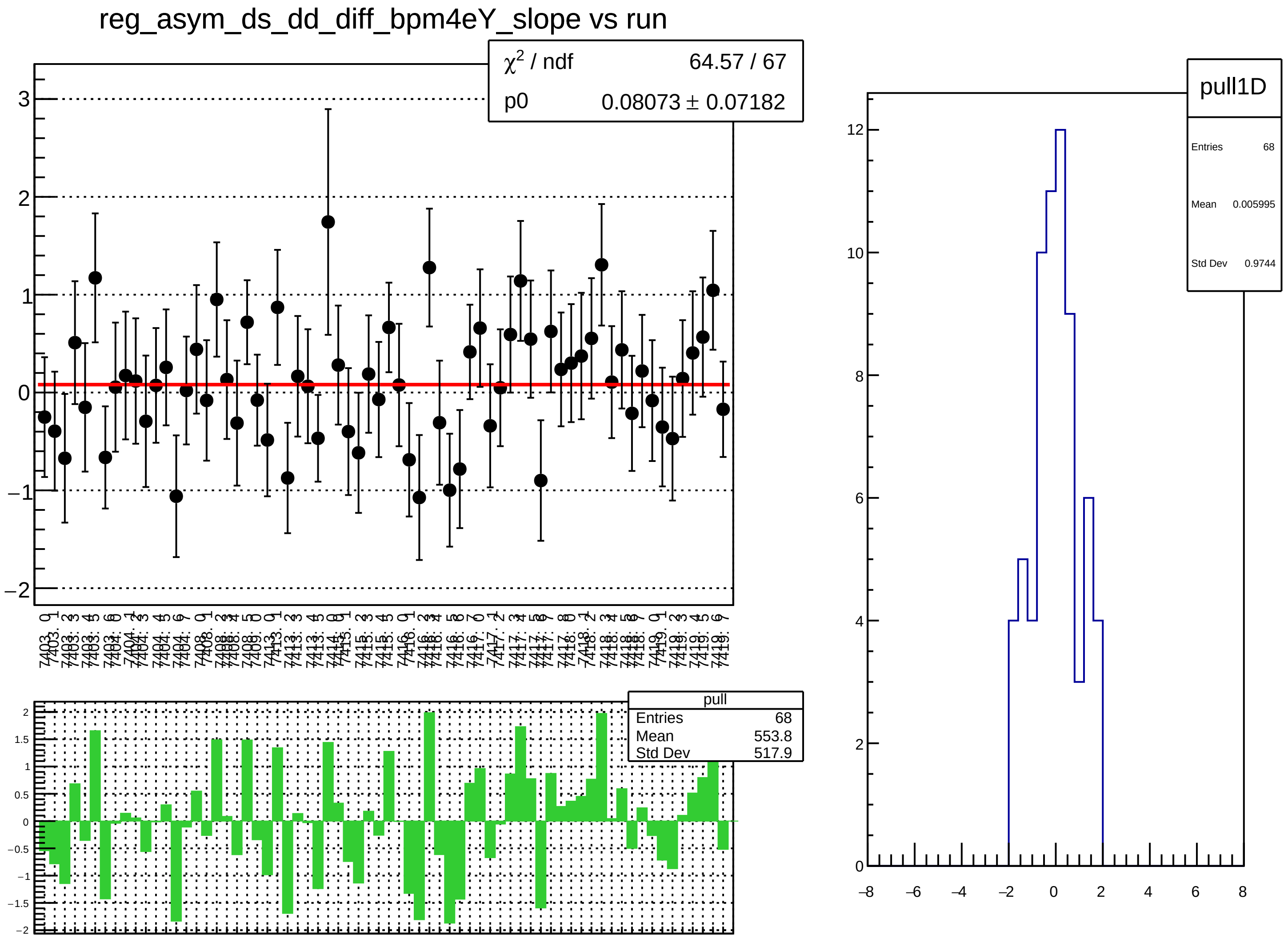

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ2 / ndf 78.88 / 67
p0 −0.004554 ± 0.00316
pull
Entries 68
Mean −206
Std Dev 239.1
pull1D
Entries 68
Mean −0.004839
Std Dev 1.077

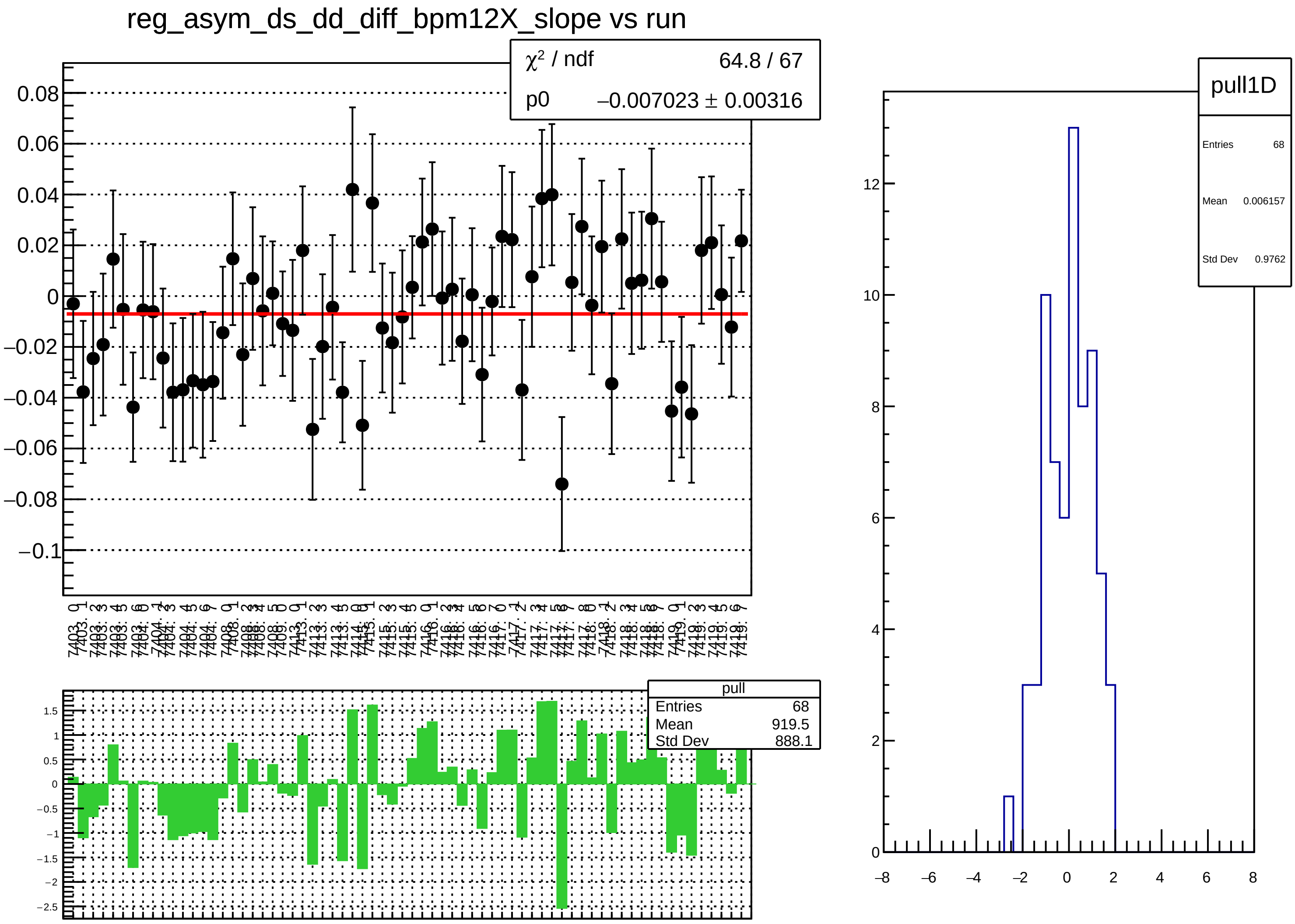


reg_asym_ds_dd_diff_bpm1X_slope vs run
χ2 / ndf 82.75 / 67
p0 −0.1488 ± 0.06667
pull
Entries 68
Mean −325.6
Std Dev 350.2
pull1D
Entries 68
Mean 0.004525
Std Dev 1.103

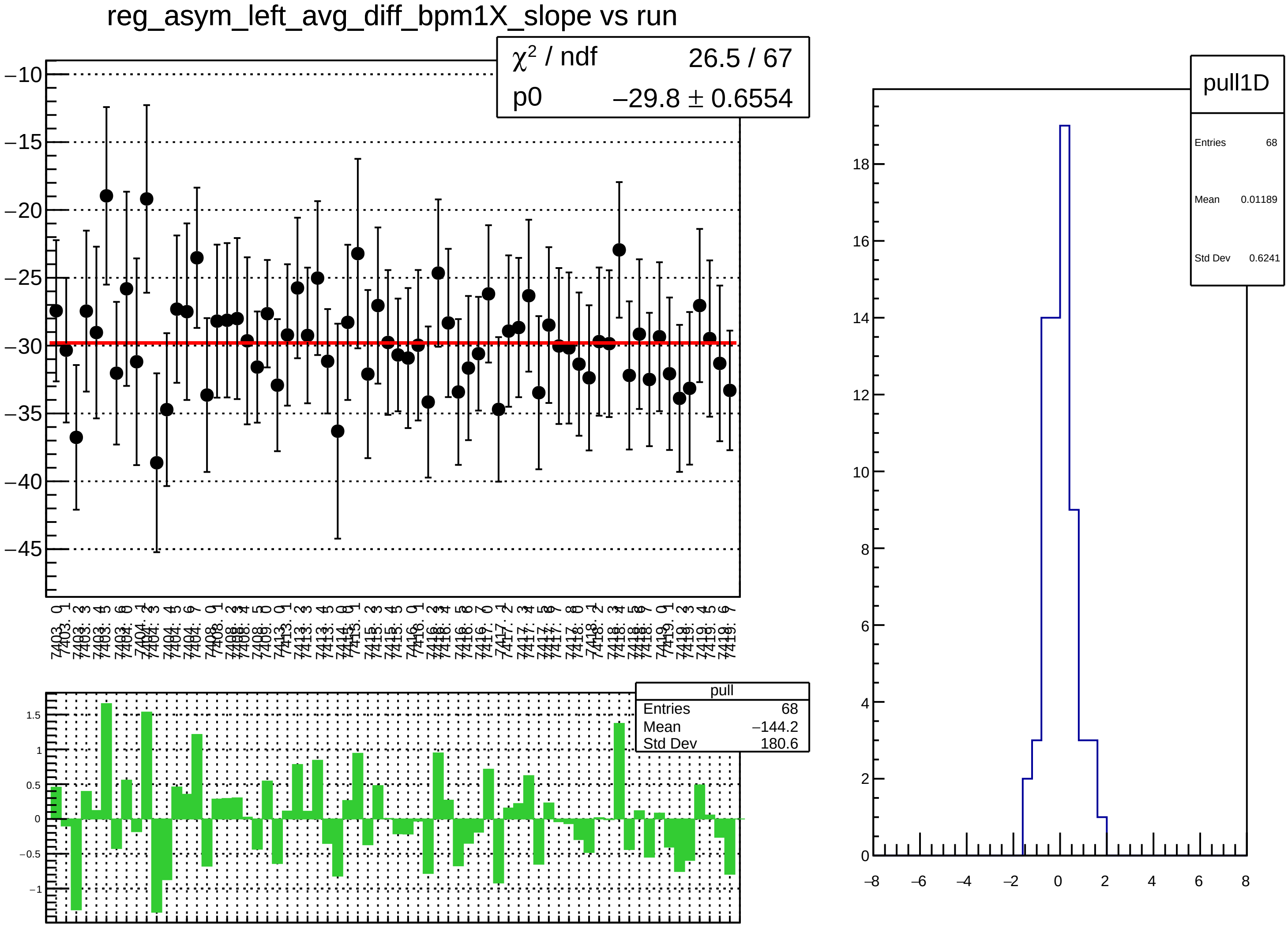

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ2 / ndf 62.82 / 67
p0 −0.06652 ± 0.06799
pull
Entries 68
Mean 1.014e+04
Std Dev 1.011e+04
pull1D
Entries 68
Mean −0.0002951
Std Dev 0.9612


reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ2 / ndf 88.29 / 67
p0 0.1355 ± 0.06929
pull
Entries 68
Mean −184.8
Std Dev 212.3
pull1D
Entries 68
Mean −0.01041
Std Dev 1.139

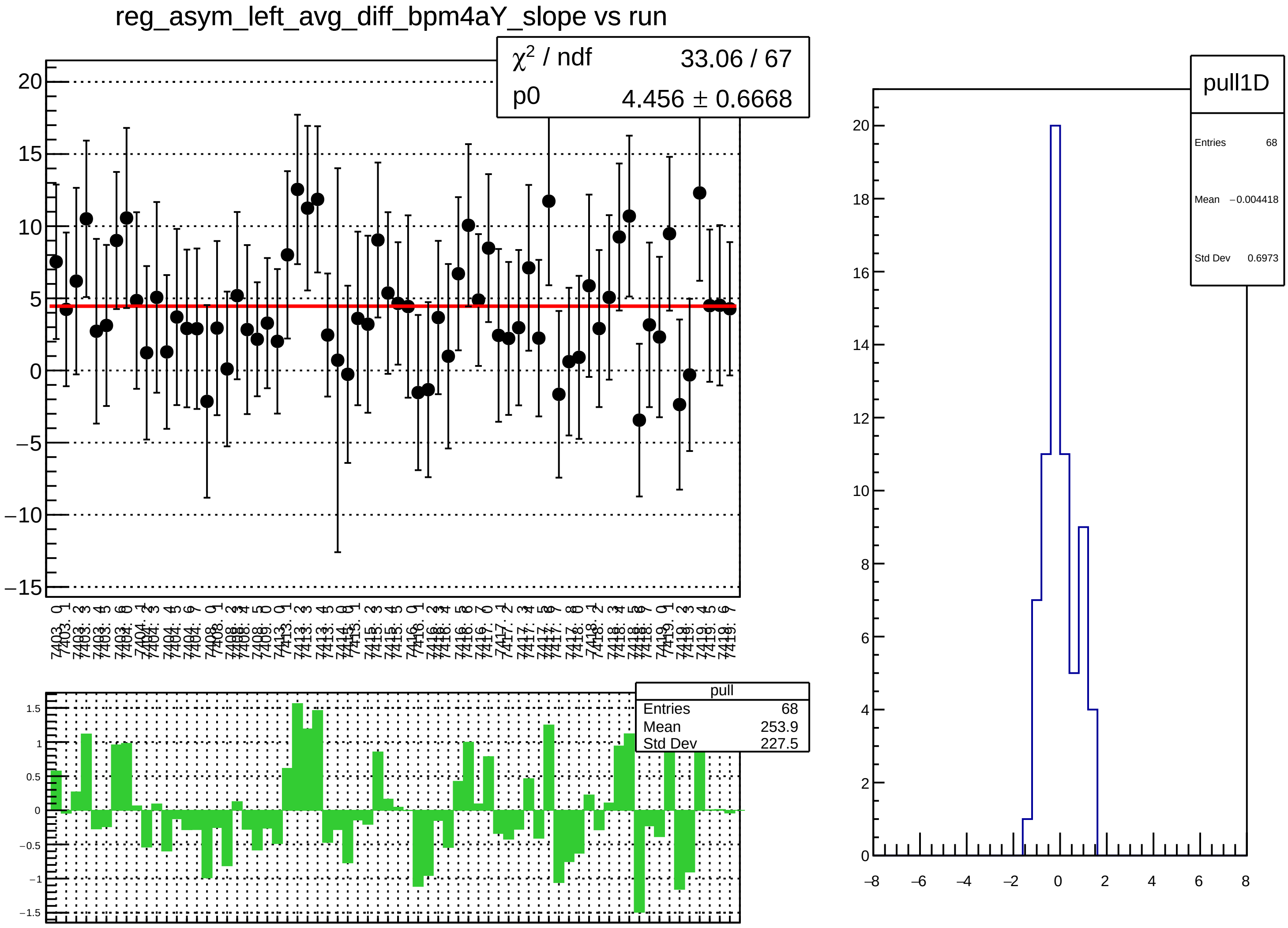

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 64.57 / 67
p0 0.08073 ± 0.07182
pull
Entries 68
Mean 553.8
Std Dev 517.9
pull1D
Entries 68
Mean 0.005995
Std Dev 0.9744



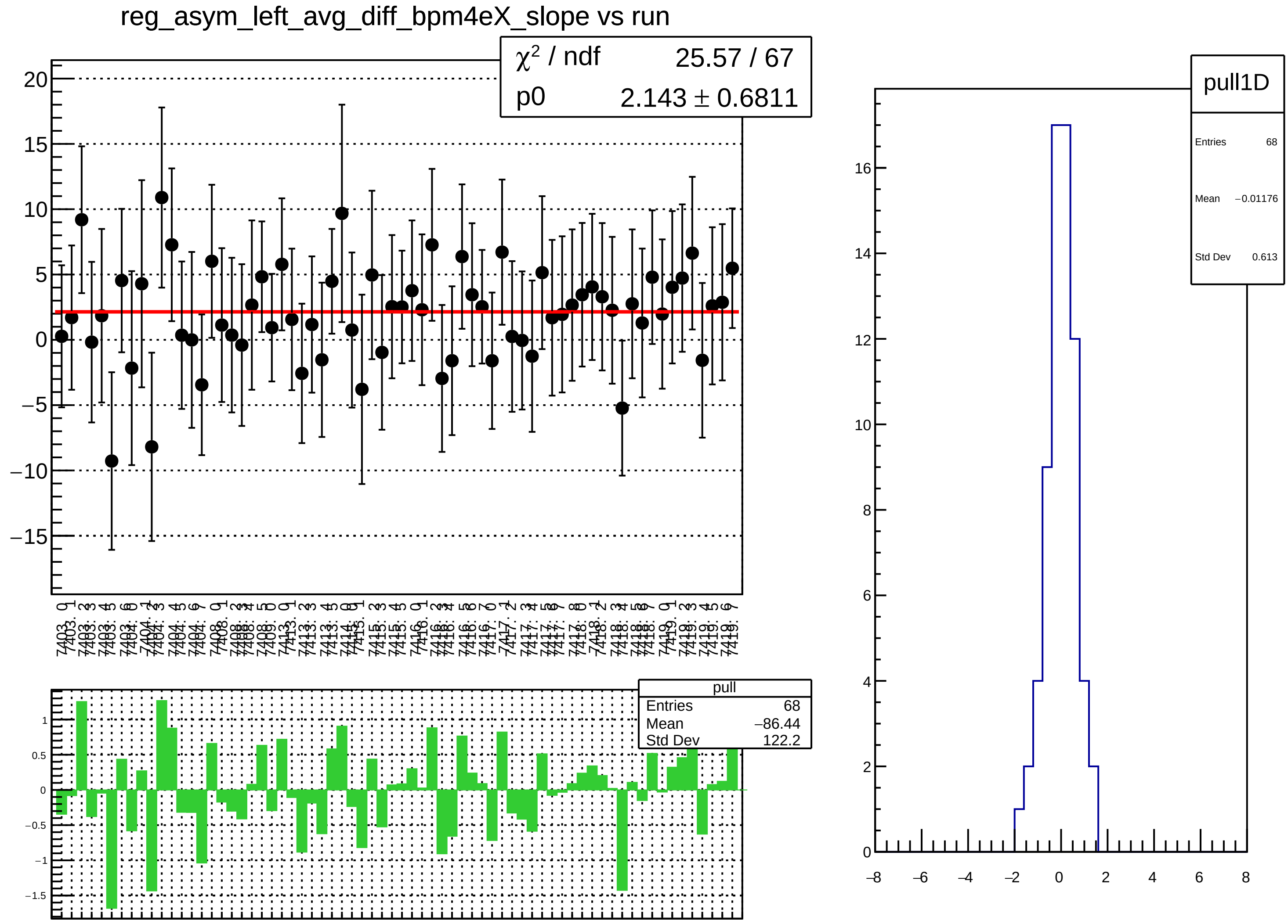
reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 64.8 / 67
p0 −0.007023 ± 0.00316
pull
Entries 68
Mean 919.5
Std Dev 888.1
pull1D
Entries 68
Mean 0.006157
Std Dev 0.9762



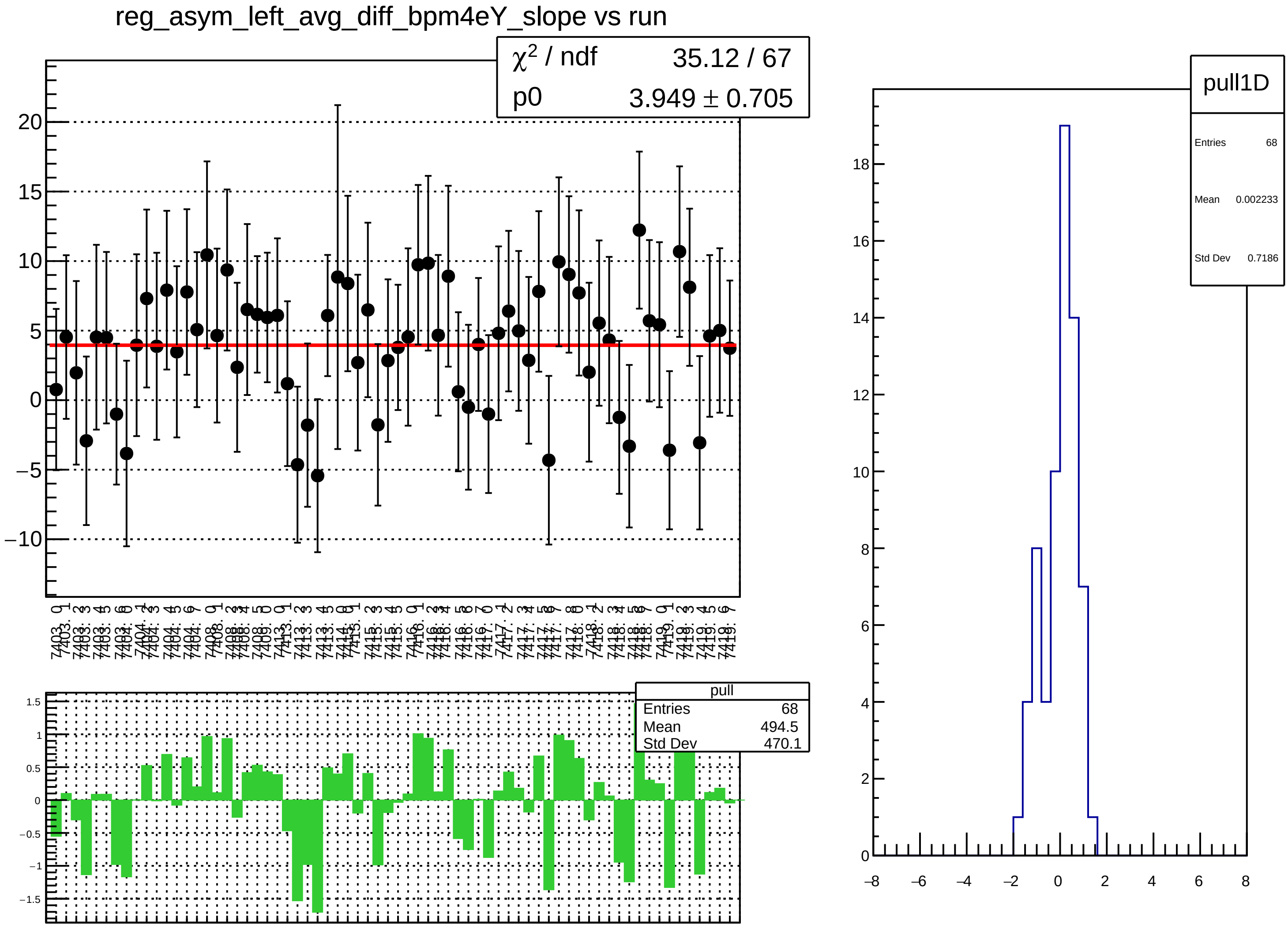
reg_asym_left_avg_diff_bpm1X_slope vs run
χ2 / ndf 26.5 / 67
p0 −29.8 ± 0.6554
pull
Entries 68
Mean −144.2
Std Dev 180.6
pull1D
Entries 68
Mean 0.01189
Std Dev 0.6241

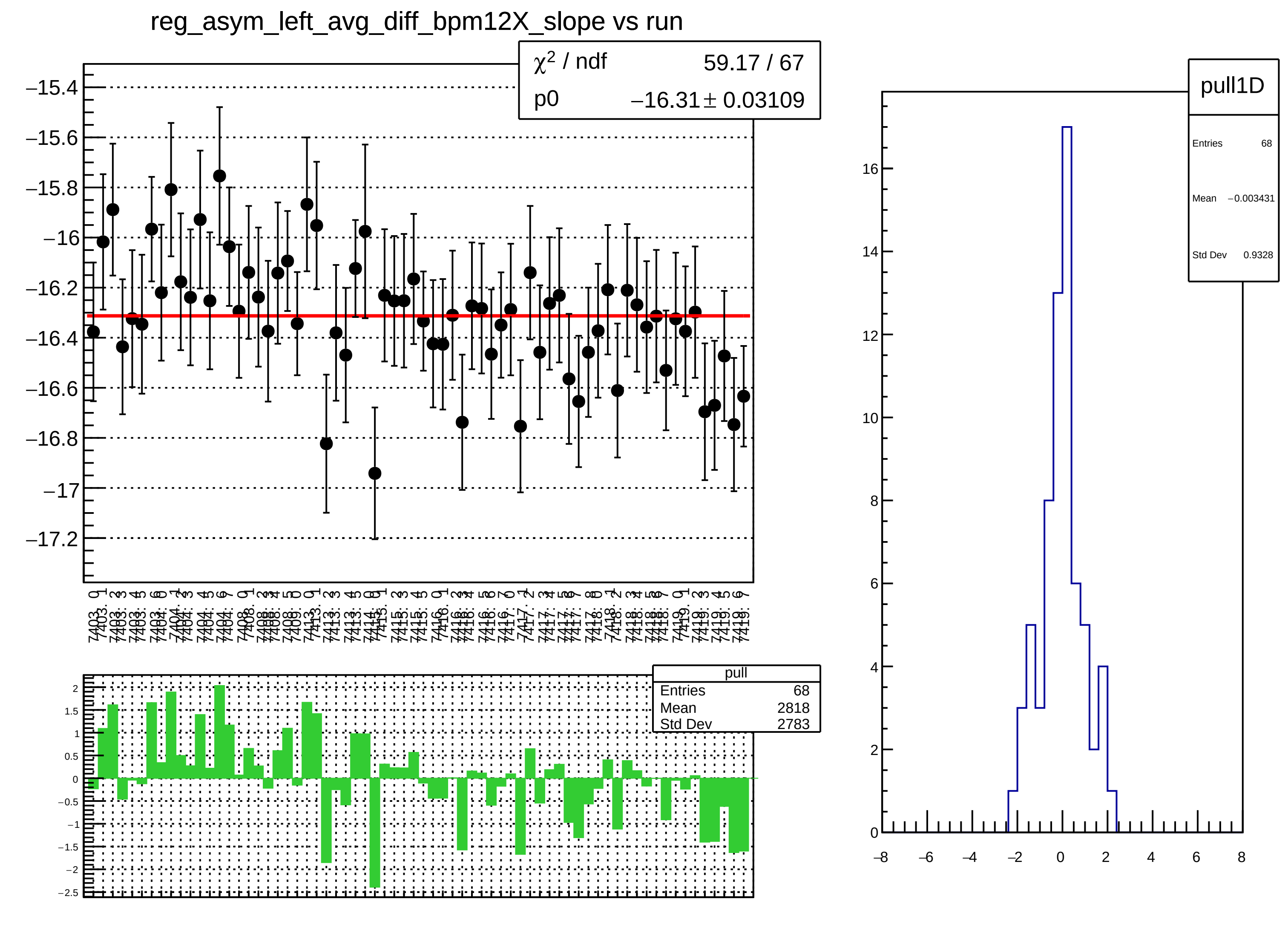


reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 33.06 / 67
p0 4.456 ± 0.6668
pull
Entries 68
Mean 253.9
Std Dev 227.5
pull1D
Entries 68
Mean −0.004418
Std Dev 0.6973

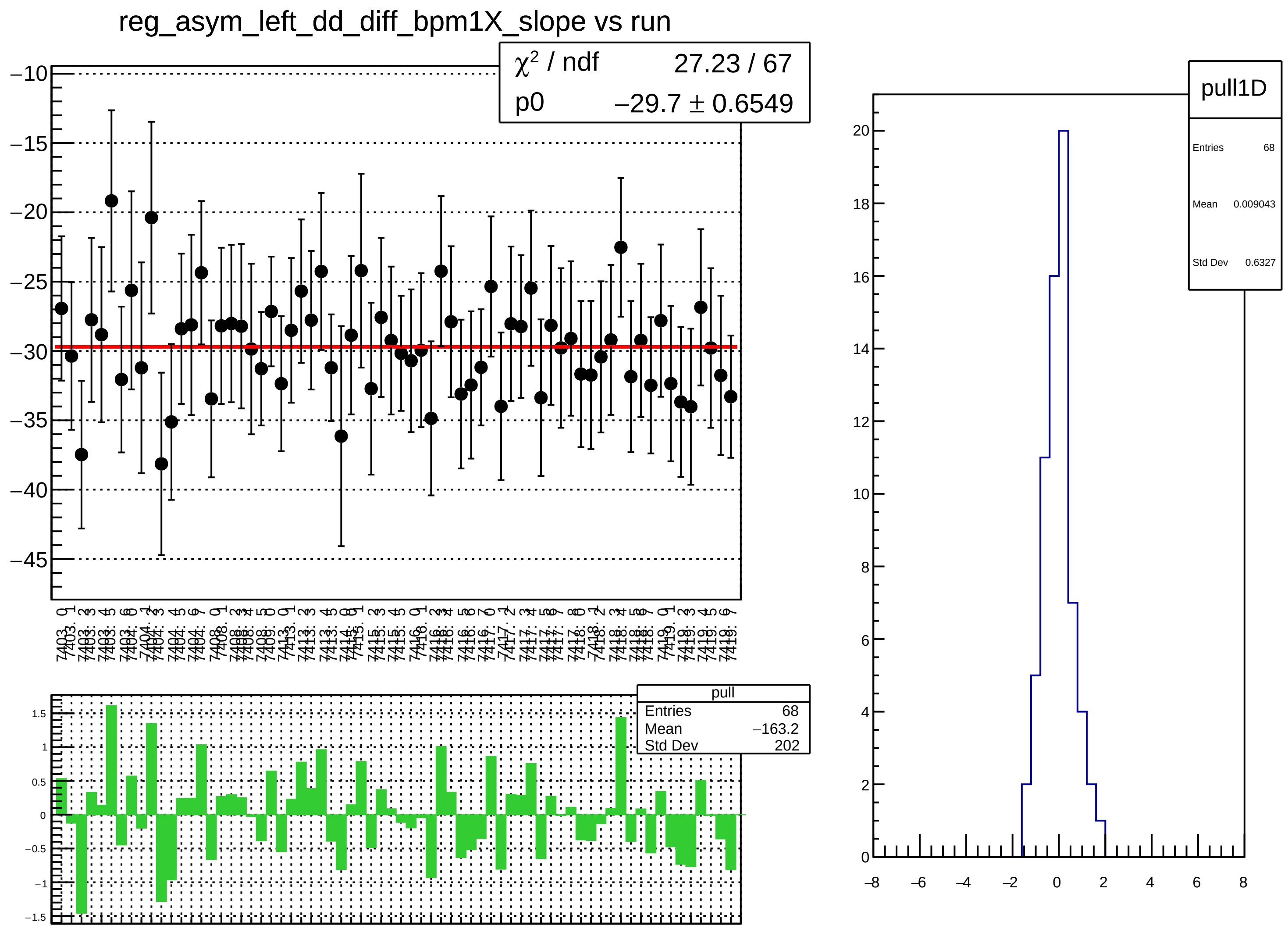


reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 25.57 / 67
p0 2.143 ± 0.6811
pull
Entries 68
Mean −86.44
Std Dev 122.2
pull1D
Entries 68
Mean −0.01176
Std Dev 0.613

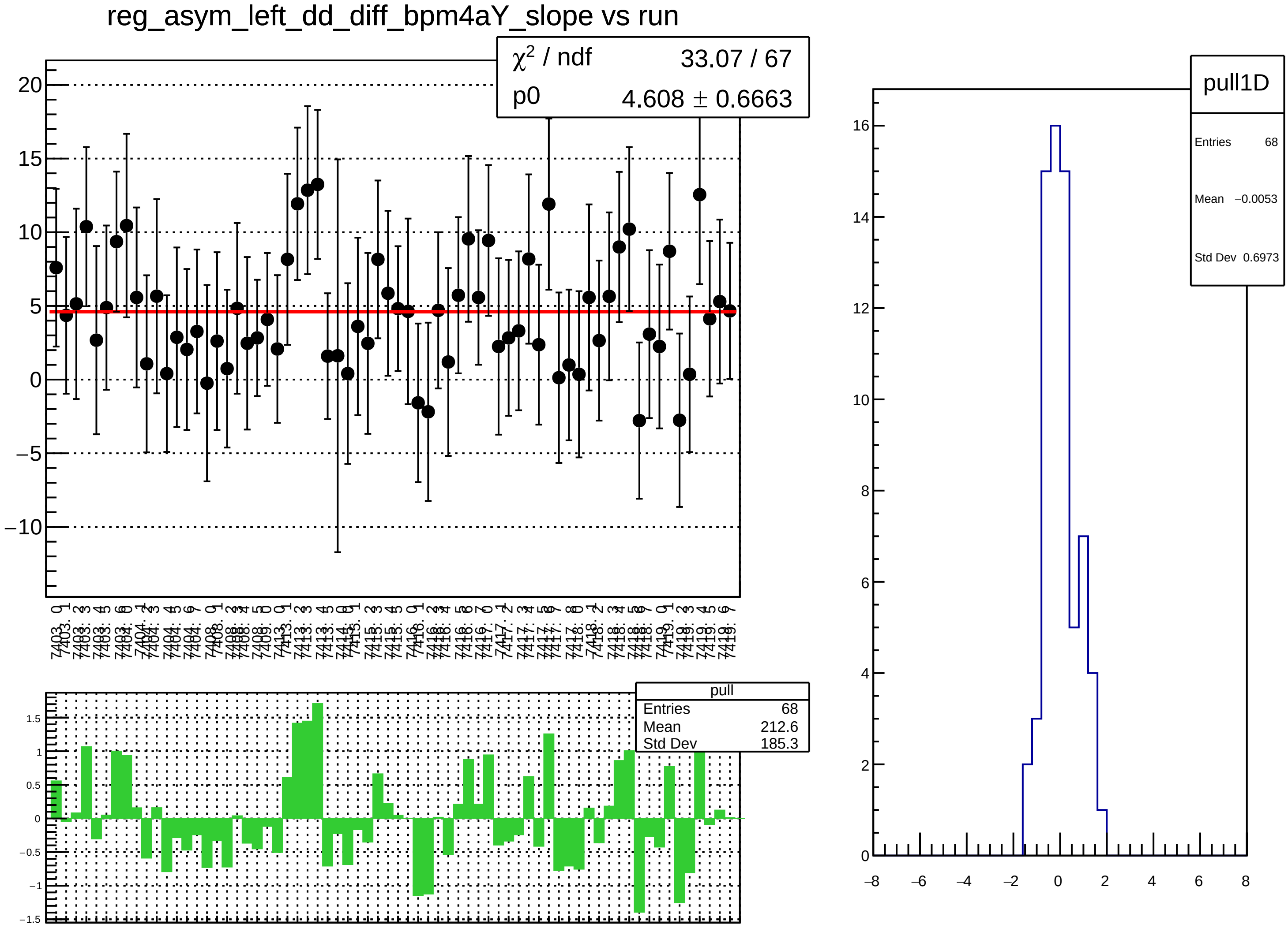

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.12 / 67
p0 3.949 ± 0.705
pull
Entries 68
Mean 494.5
Std Dev 470.1
pull1D
Entries 68
Mean 0.002233
Std Dev 0.7186



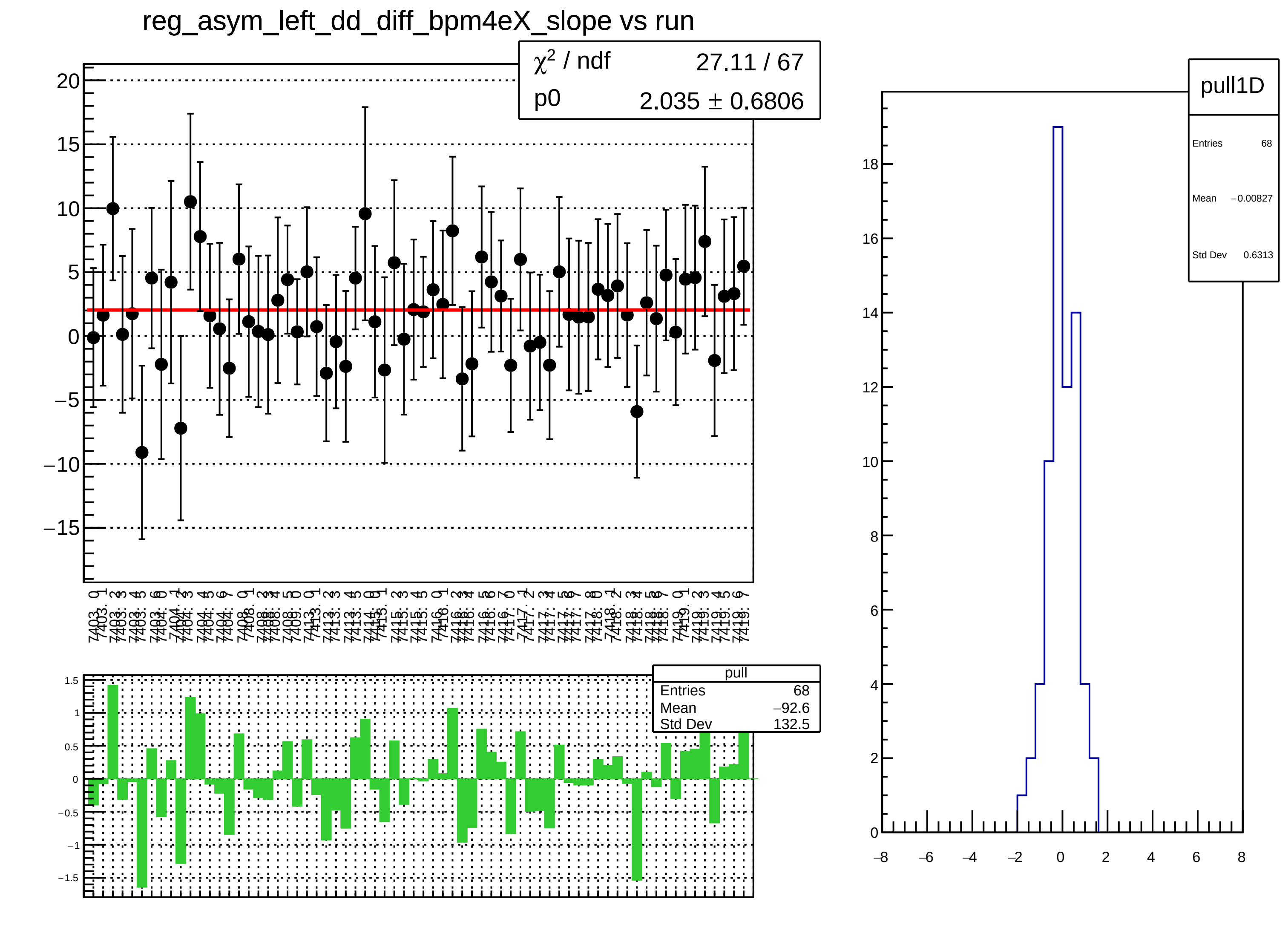
reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 59.17 / 67
p0 −16.31 ± 0.03109
pull
Entries 68
Mean 2818
Std Dev 2783
pull1D
Entries 68
Mean −0.003431
Std Dev 0.9328



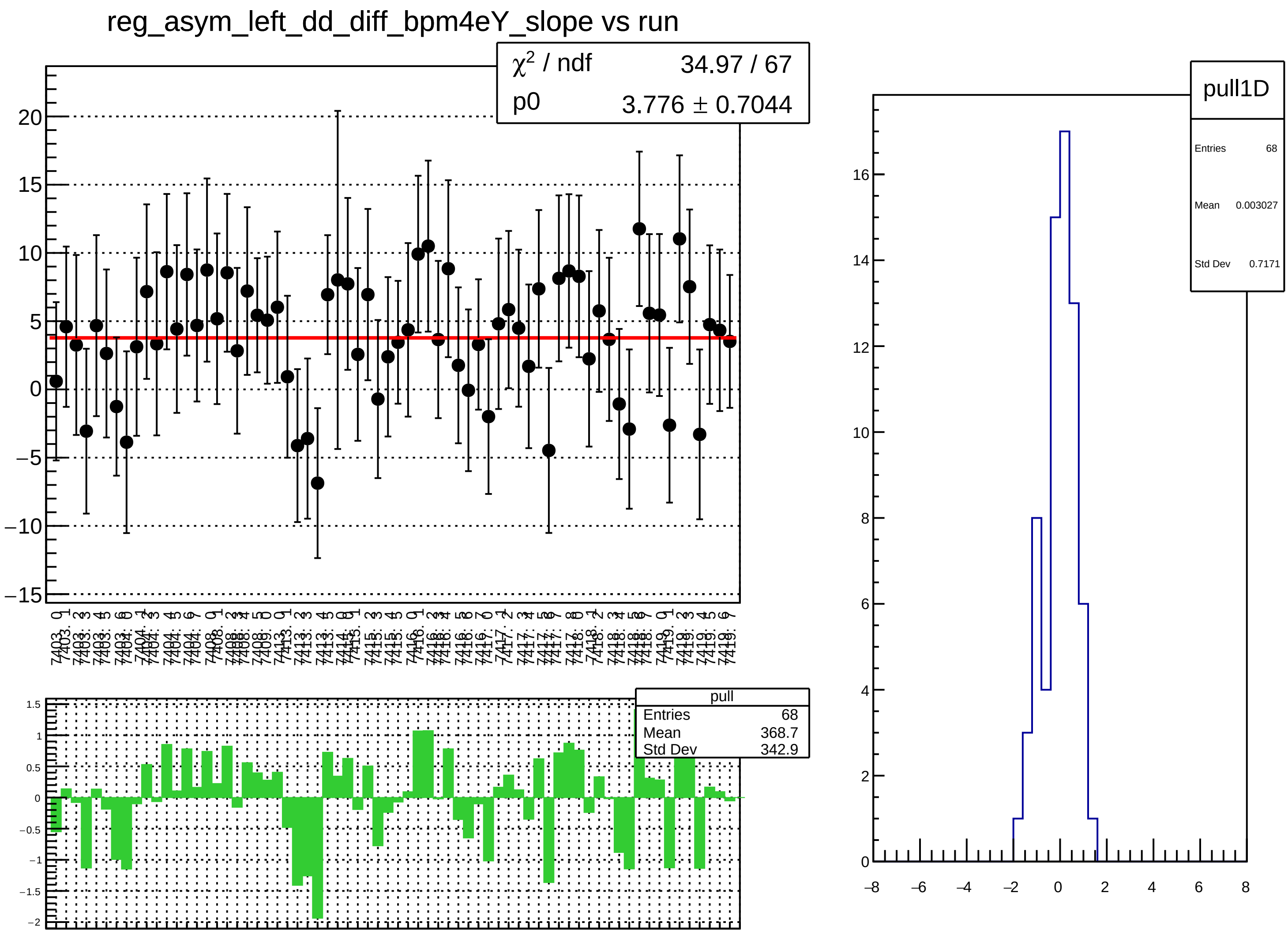
reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 27.23 / 67
p0 −29.7 ± 0.6549
pull
Entries 68
Mean −163.2
Std Dev 202
pull1D
Entries 68
Mean 0.009043
Std Dev 0.6327



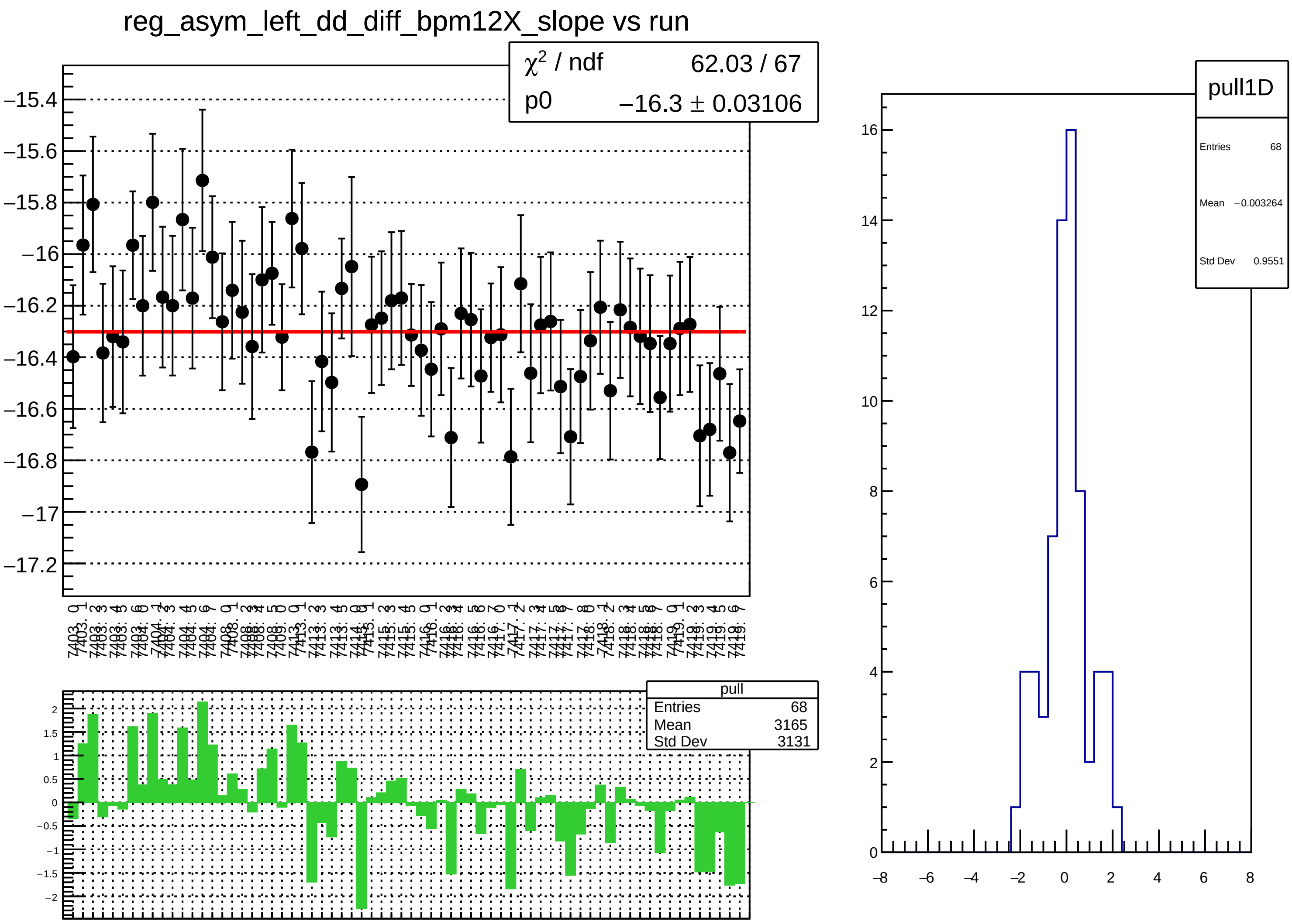
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 33.07 / 67
p0 4.608 ± 0.6663
pull
Entries 68
Mean 212.6
Std Dev 185.3
pull1D
Entries 68
Mean −0.0053
Std Dev 0.6973



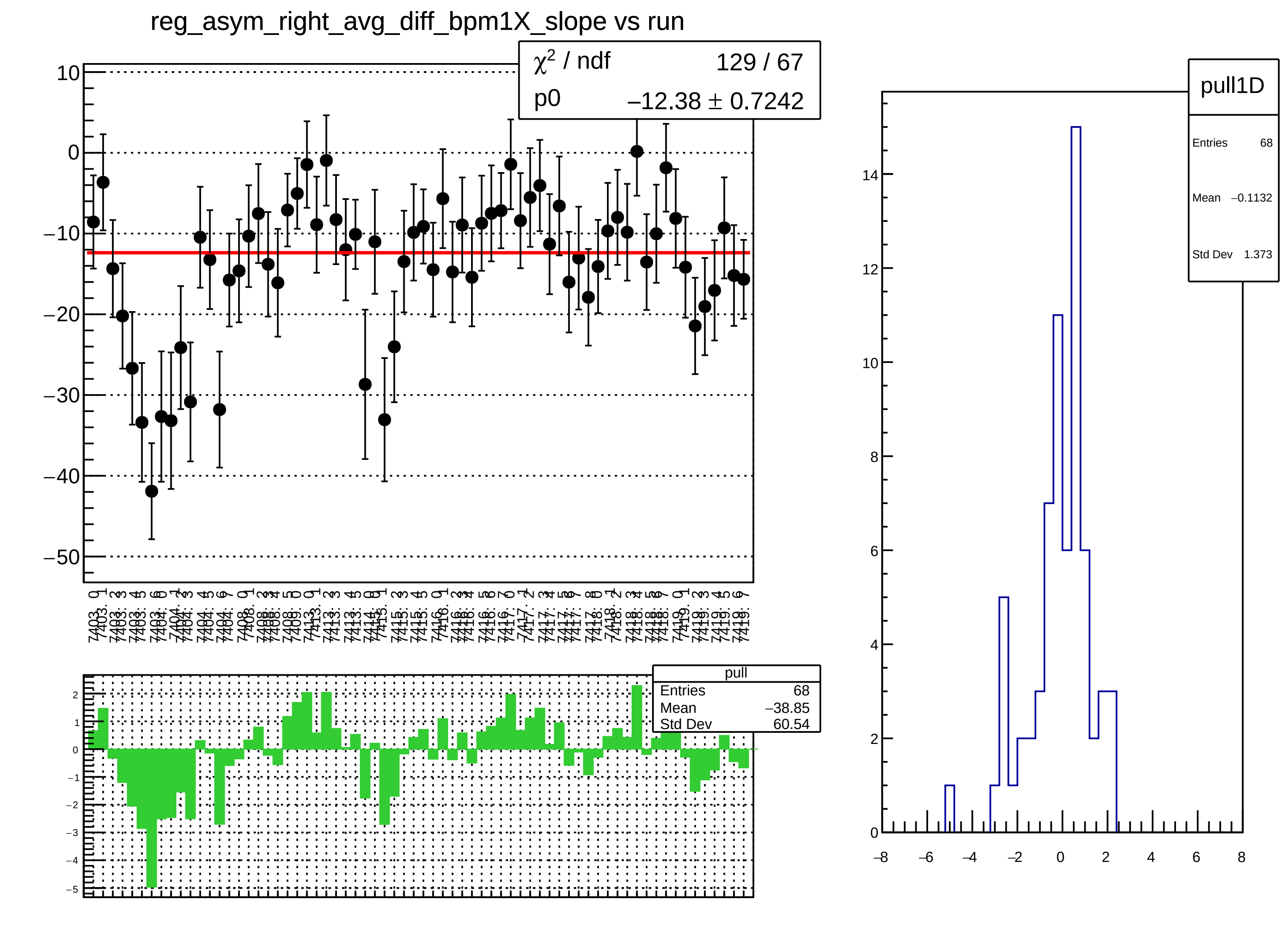
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 27.11 / 67
p0 2.035 ± 0.6806
pull
Entries 68
Mean −92.6
Std Dev 132.5
pull1D
Entries 68
Mean −0.00827
Std Dev 0.6313

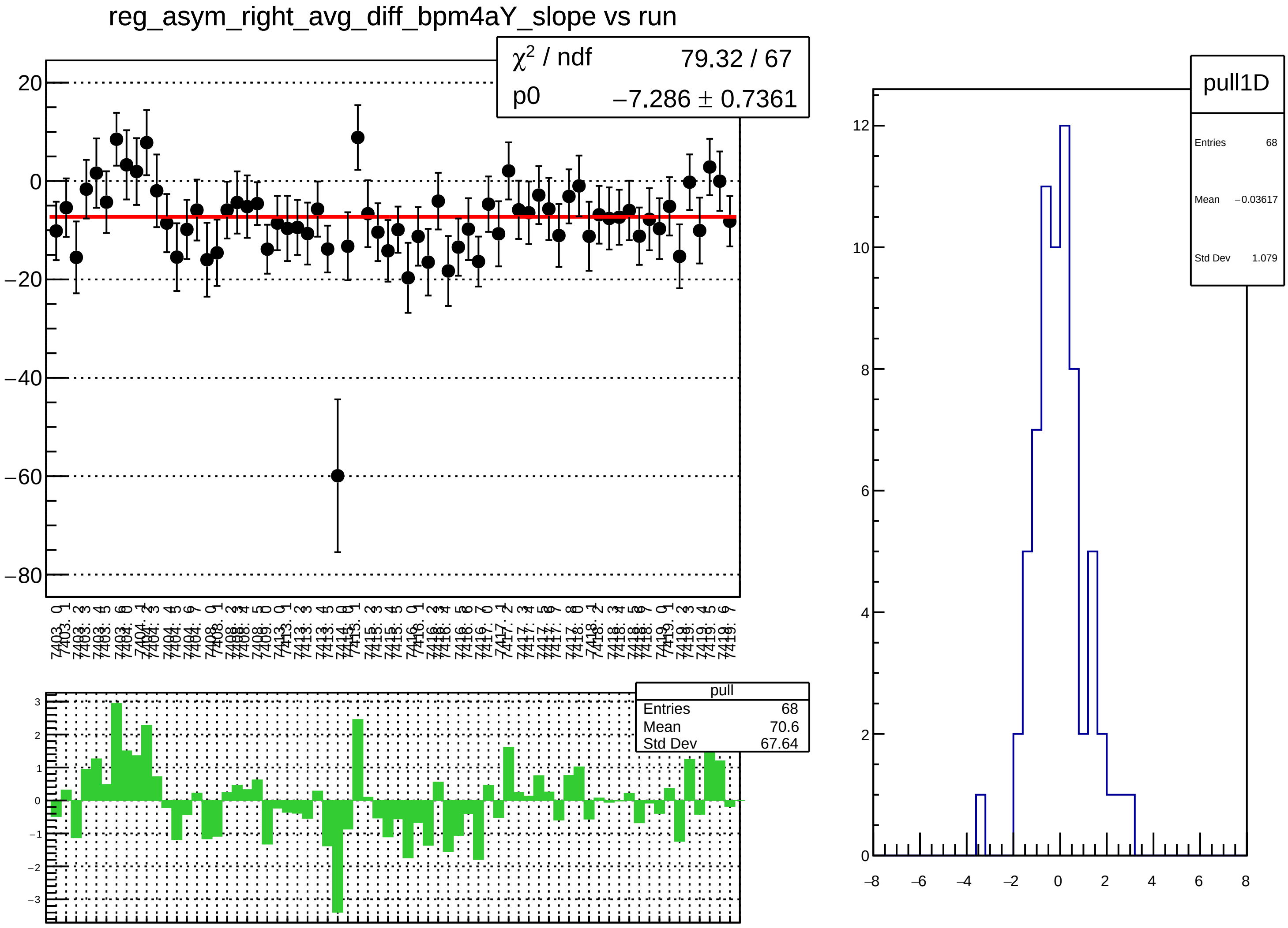


reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 34.97 / 67
p0 3.776 ± 0.7044
pull
Entries 68
Mean 368.7
Std Dev 342.9
pull1D
Entries 68
Mean 0.003027
Std Dev 0.7171

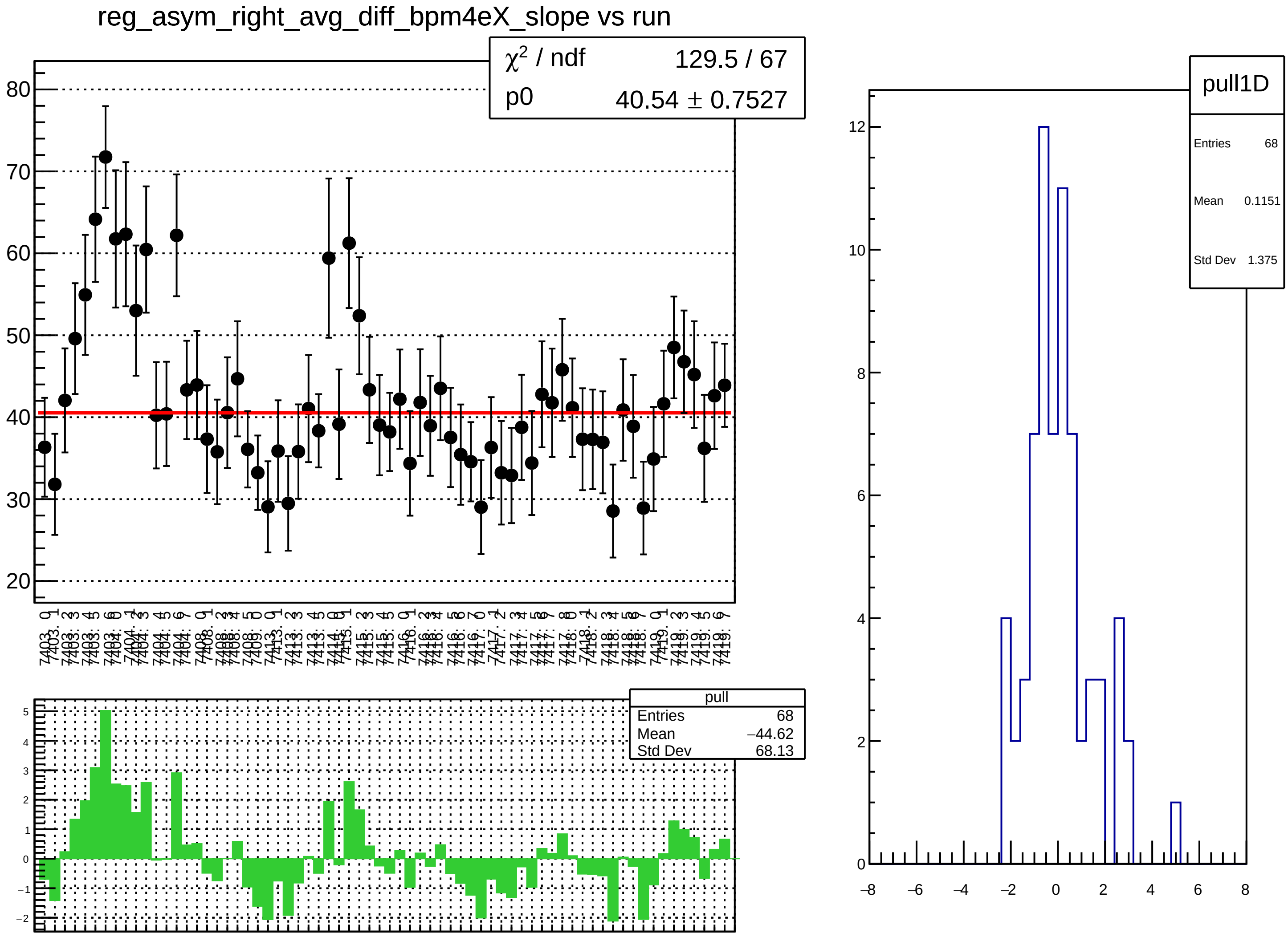


reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 62.03 / 67
p0 −16.3 ± 0.03106
pull
Entries 68
Mean 3165
Std Dev 3131
pull1D
Entries 68
Mean −0.003264
Std Dev 0.9551

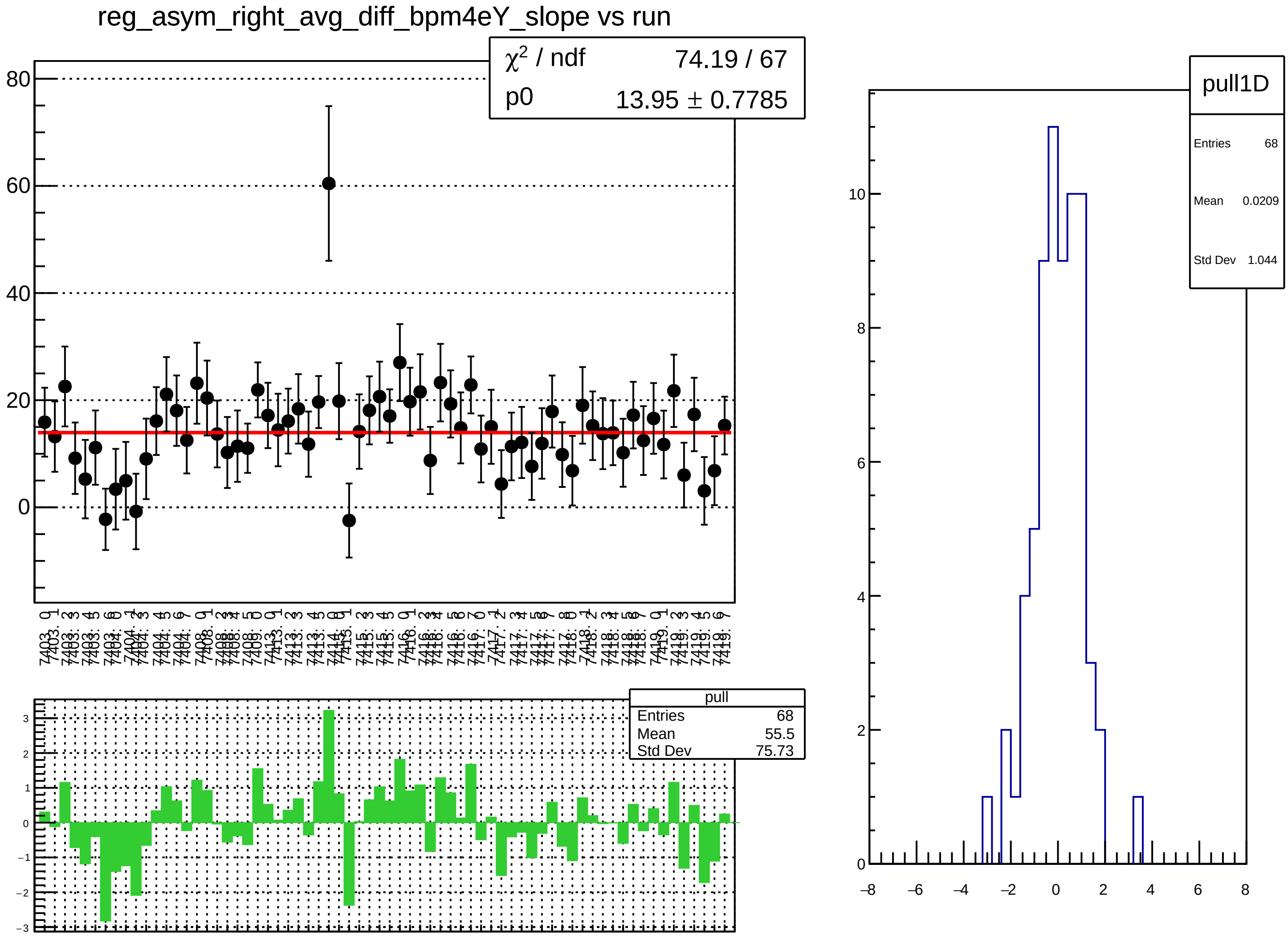

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 129 / 67
p0 −12.38 ± 0.7242
pull
Entries 68
Mean −38.85
Std Dev 60.54
pull1D
Entries 68
Mean −0.1132
Std Dev 1.373



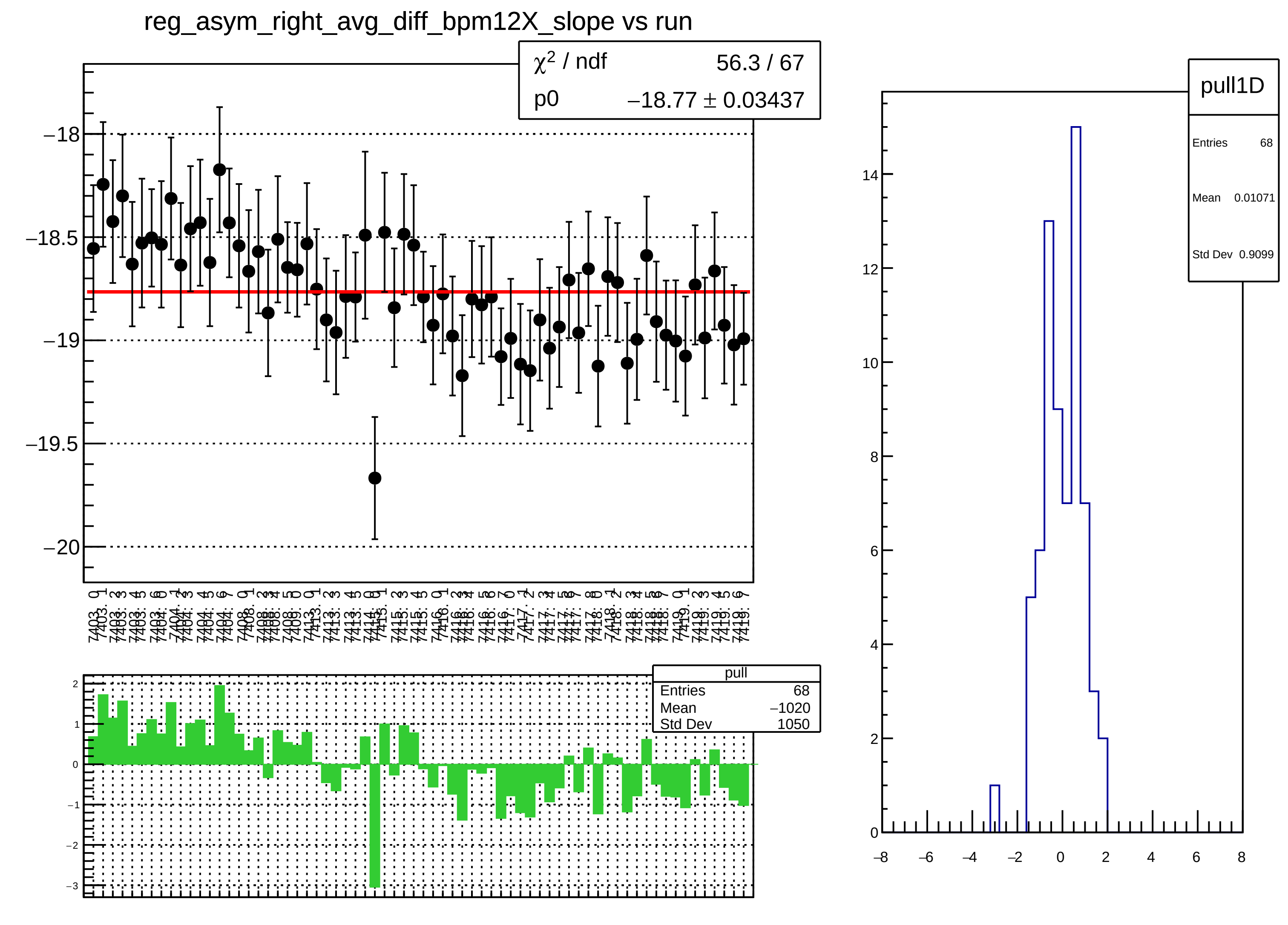
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 79.32 / 67
p0 −7.286 ± 0.7361
pull
Entries 68
Mean 70.6
Std Dev 67.64
pull1D
Entries 68
Mean −0.03617
Std Dev 1.079



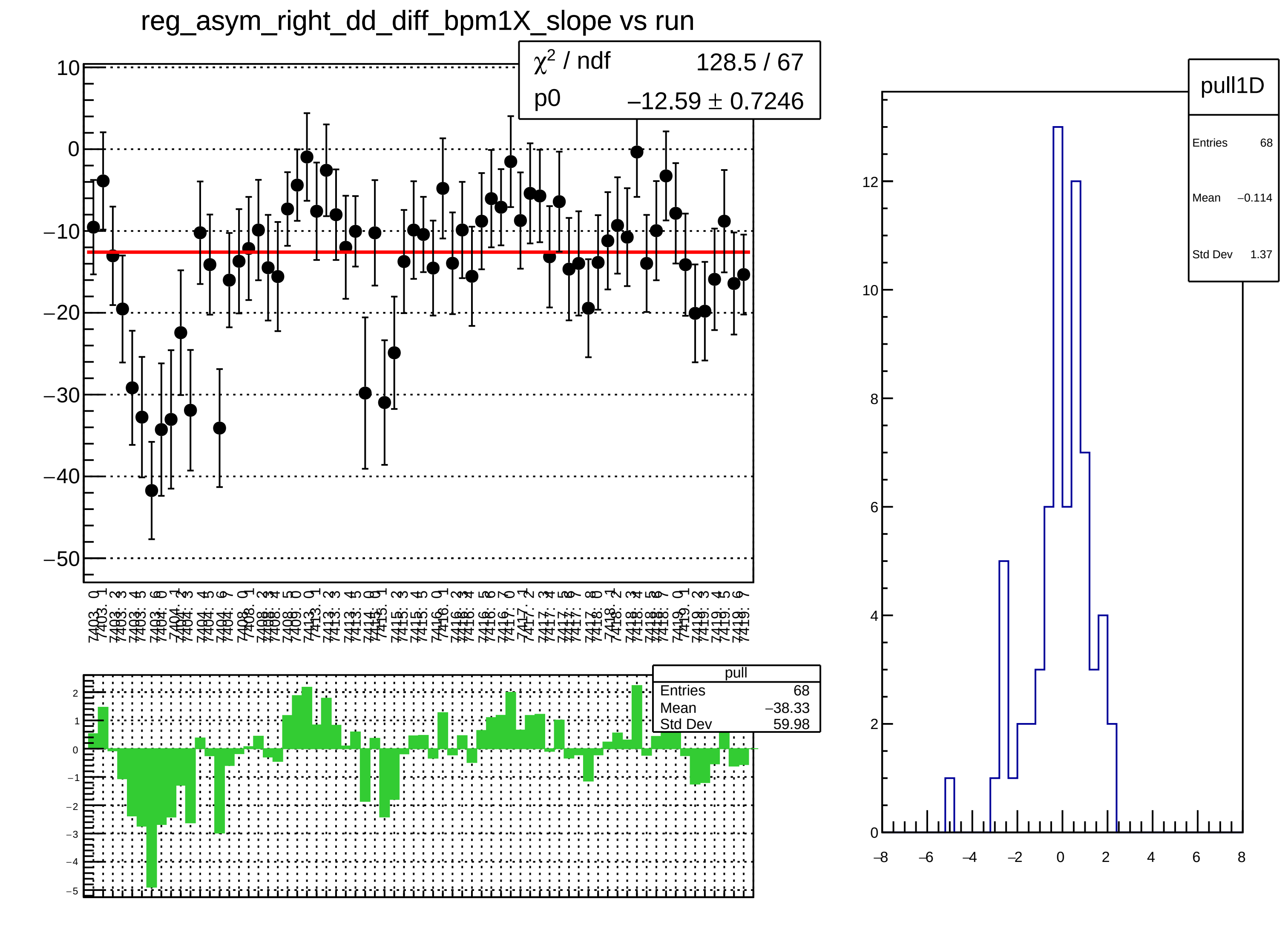
reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 129.5 / 67
p0 40.54 ± 0.7527
pull
Entries 68
Mean −44.62
Std Dev 68.13
pull1D
Entries 68
Mean 0.1151
Std Dev 1.375



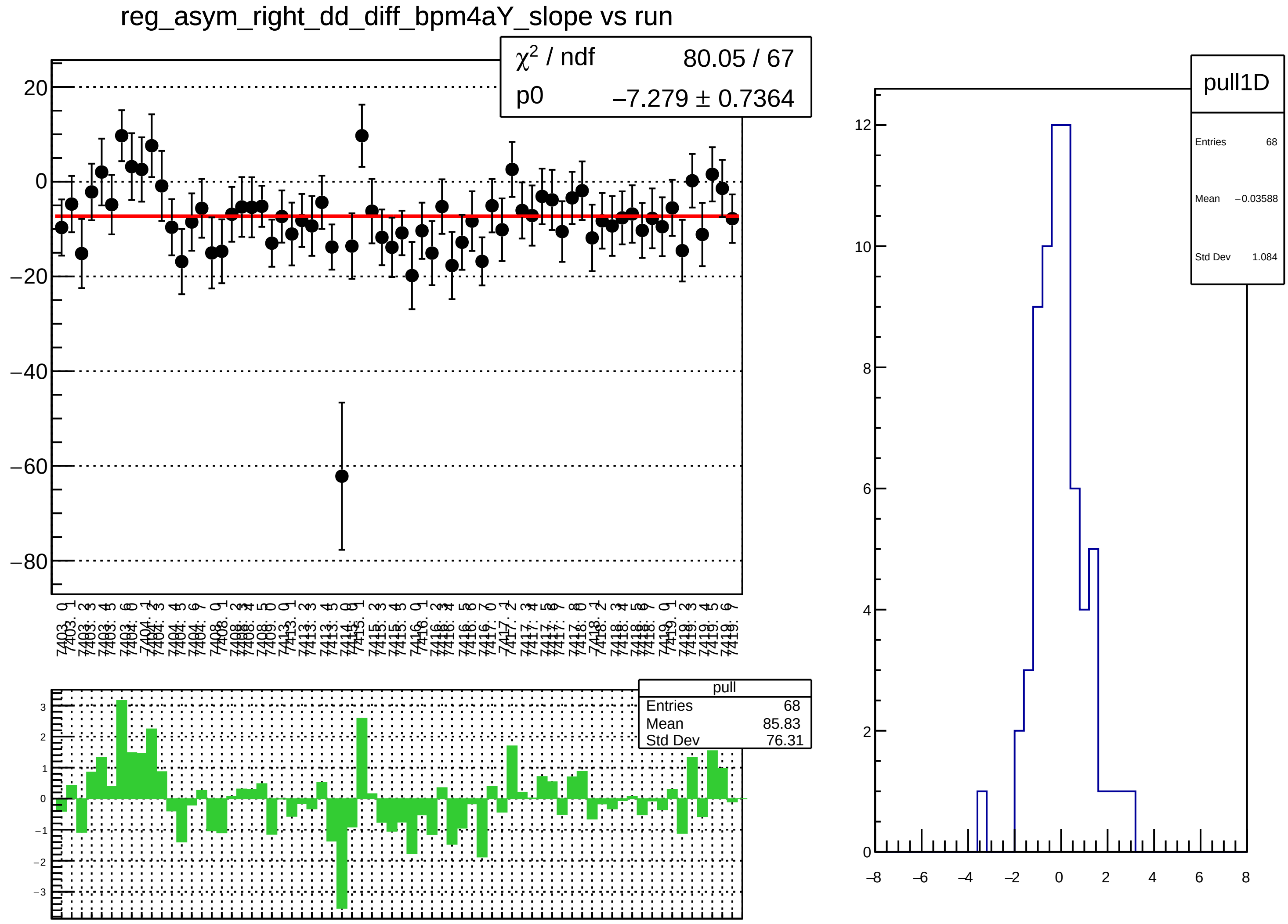
reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 74.19 / 67
p0 13.95 ± 0.7785
pull
Entries 68
Mean 55.5
Std Dev 75.73
pull1D
Entries 68
Mean 0.0209
Std Dev 1.044



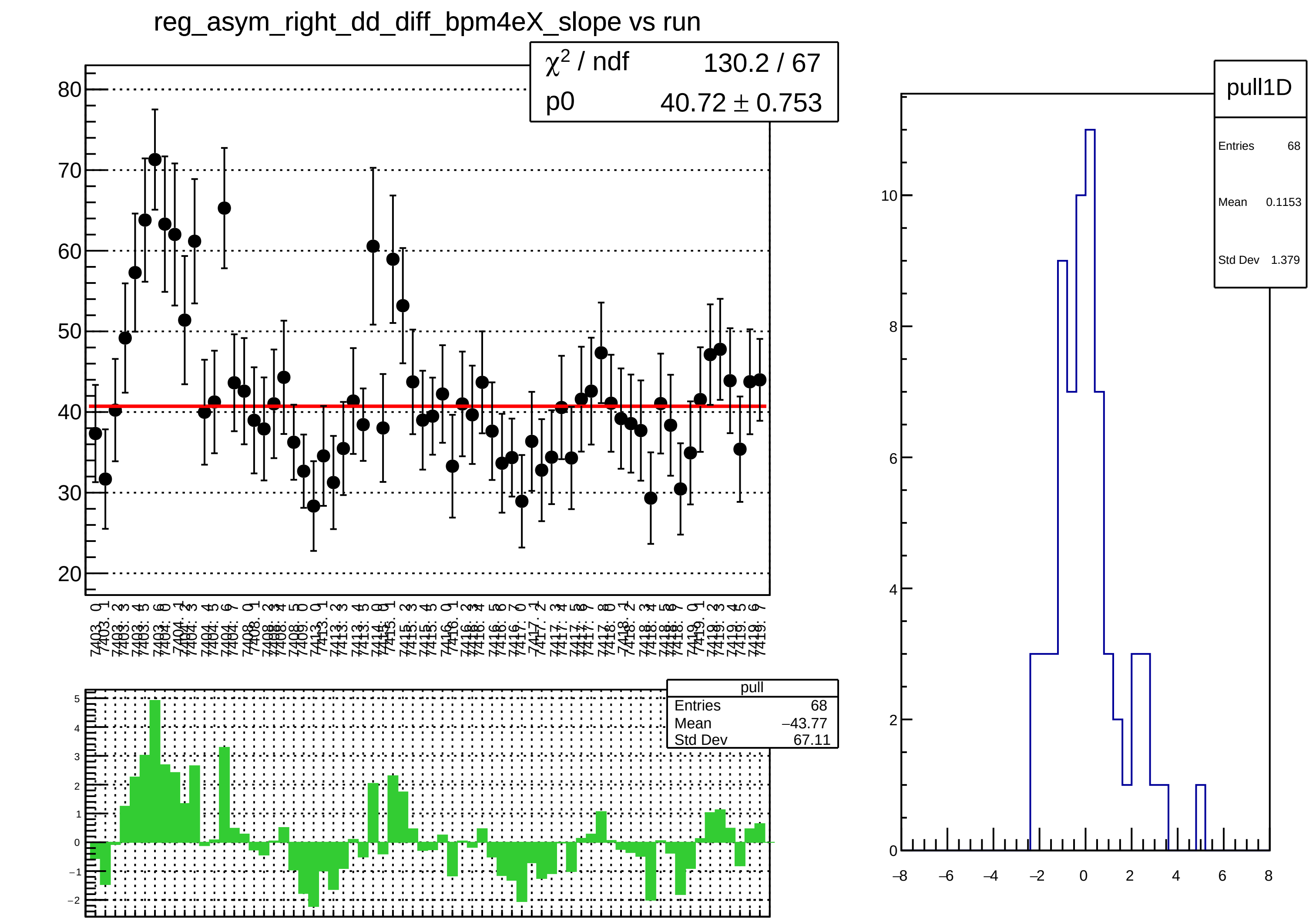
reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 56.3 / 67
p0 −18.77 ± 0.03437
pull
Entries 68
Mean −1020
Std Dev 1050
pull1D
Entries 68
Mean 0.01071
Std Dev 0.9099

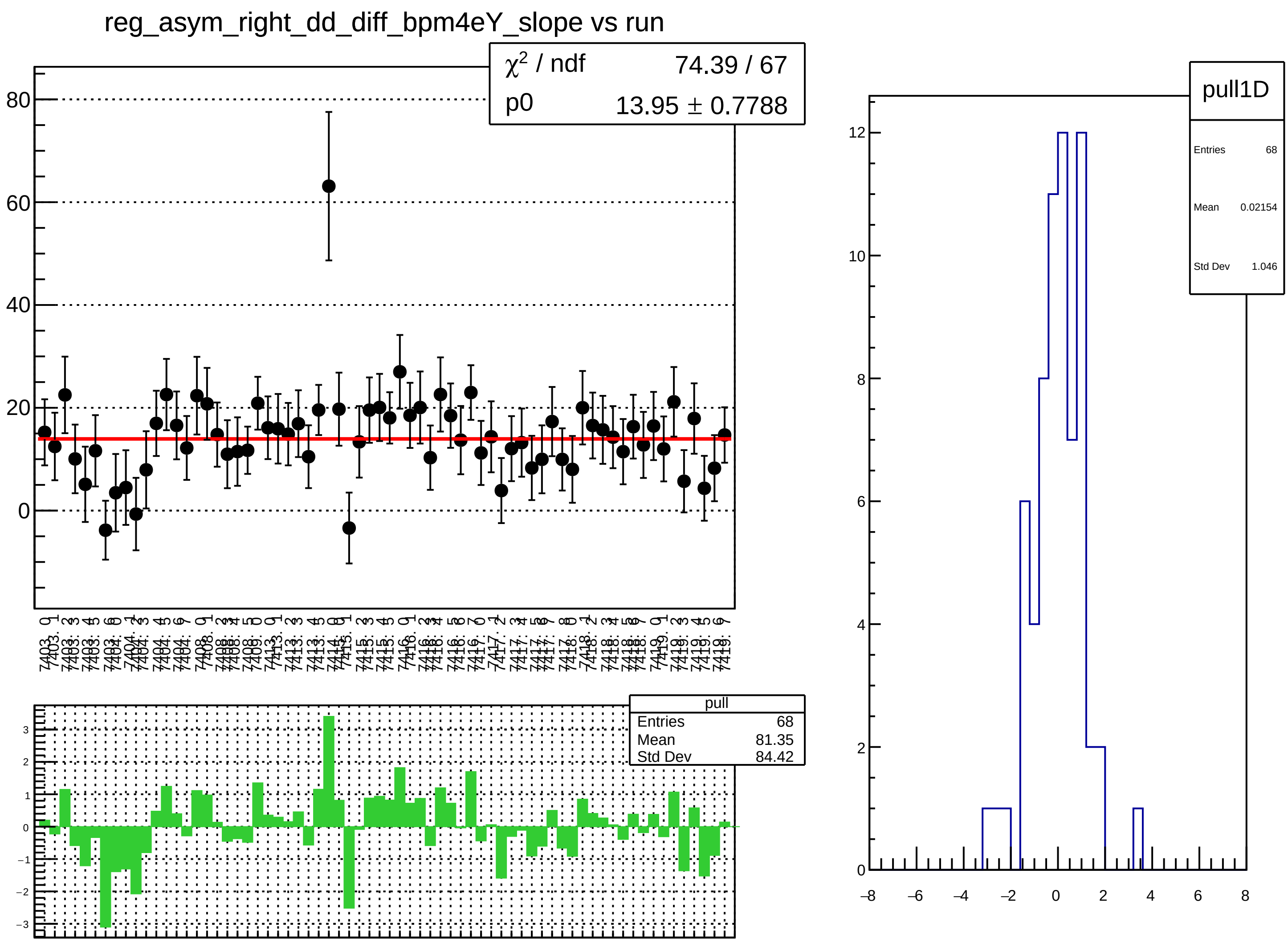


reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 128.5 / 67
p0 −12.59 ± 0.7246
pull
Entries 68
Mean −38.33
Std Dev 59.98
pull1D
Entries 68
Mean −0.114
Std Dev 1.37

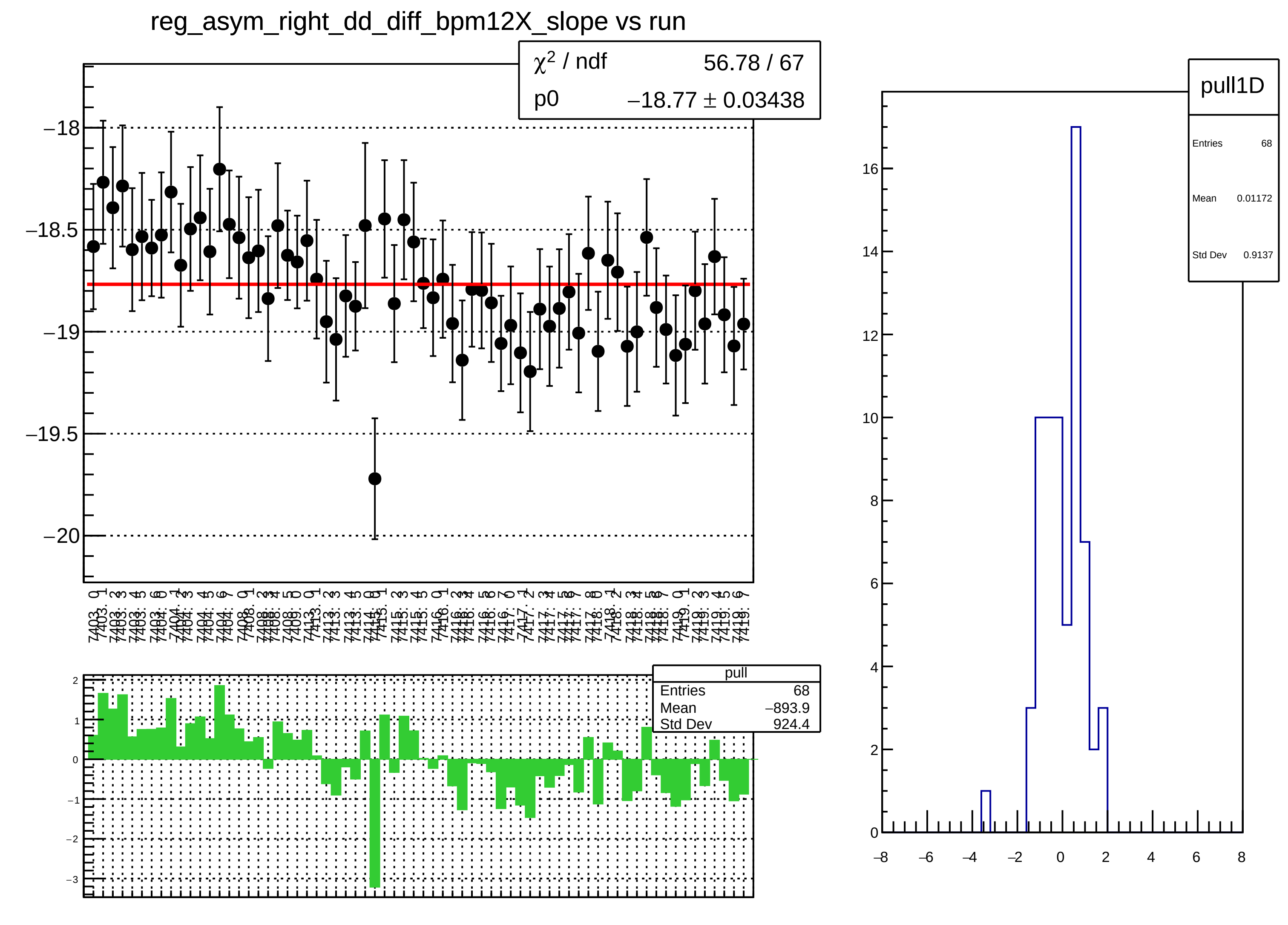


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ2 / ndf 80.05 / 67
p0 −7.279 ± 0.7364
pull
Entries 68
Mean 85.83
Std Dev 76.31
pull1D
Entries 68
Mean −0.03588
Std Dev 1.084

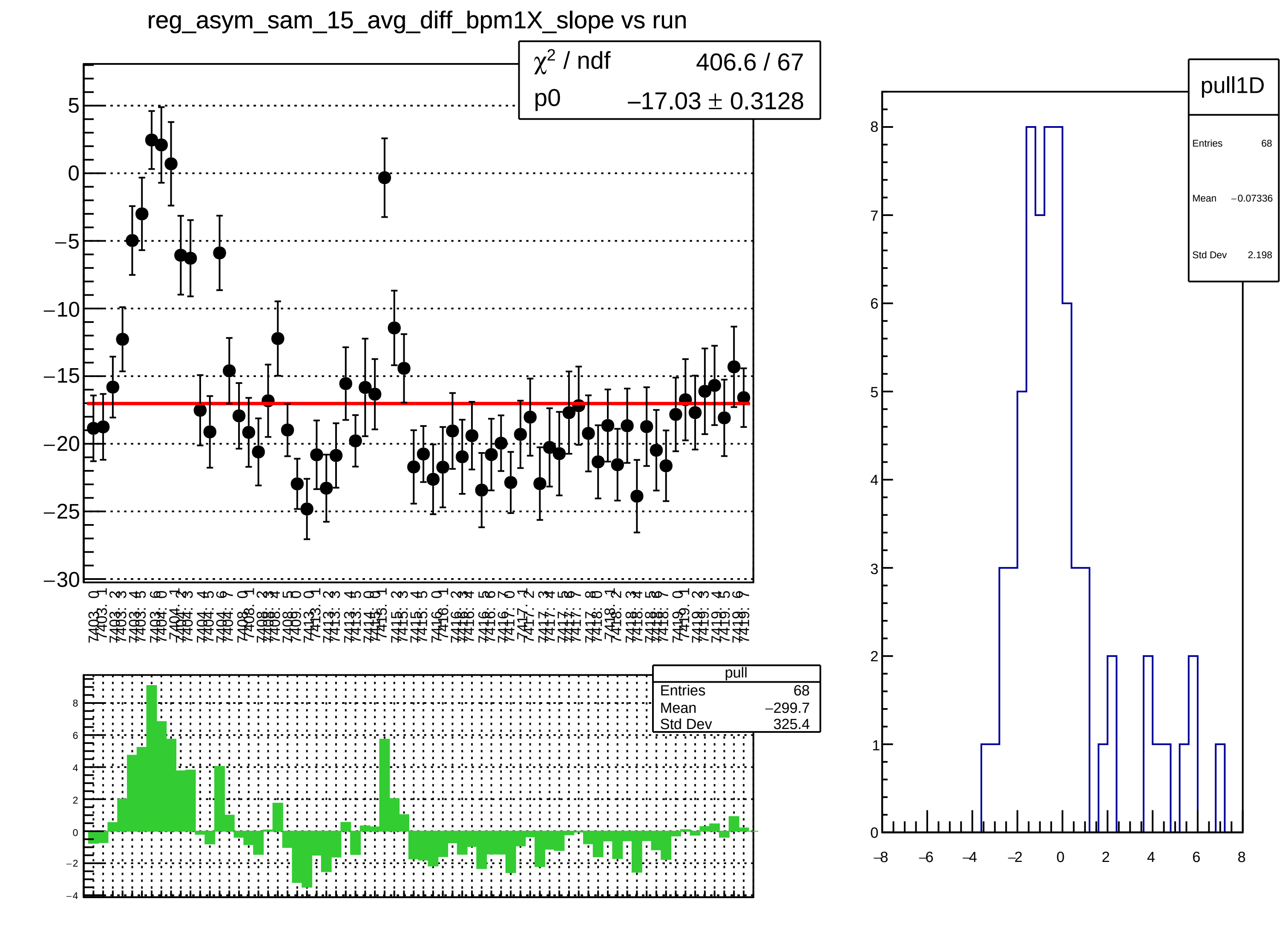

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 130.2 / 67
p0 40.72 ± 0.753
pull
Entries 68
Mean −43.77
Std Dev 67.11
pull1D
Entries 68
Mean 0.1153
Std Dev 1.379



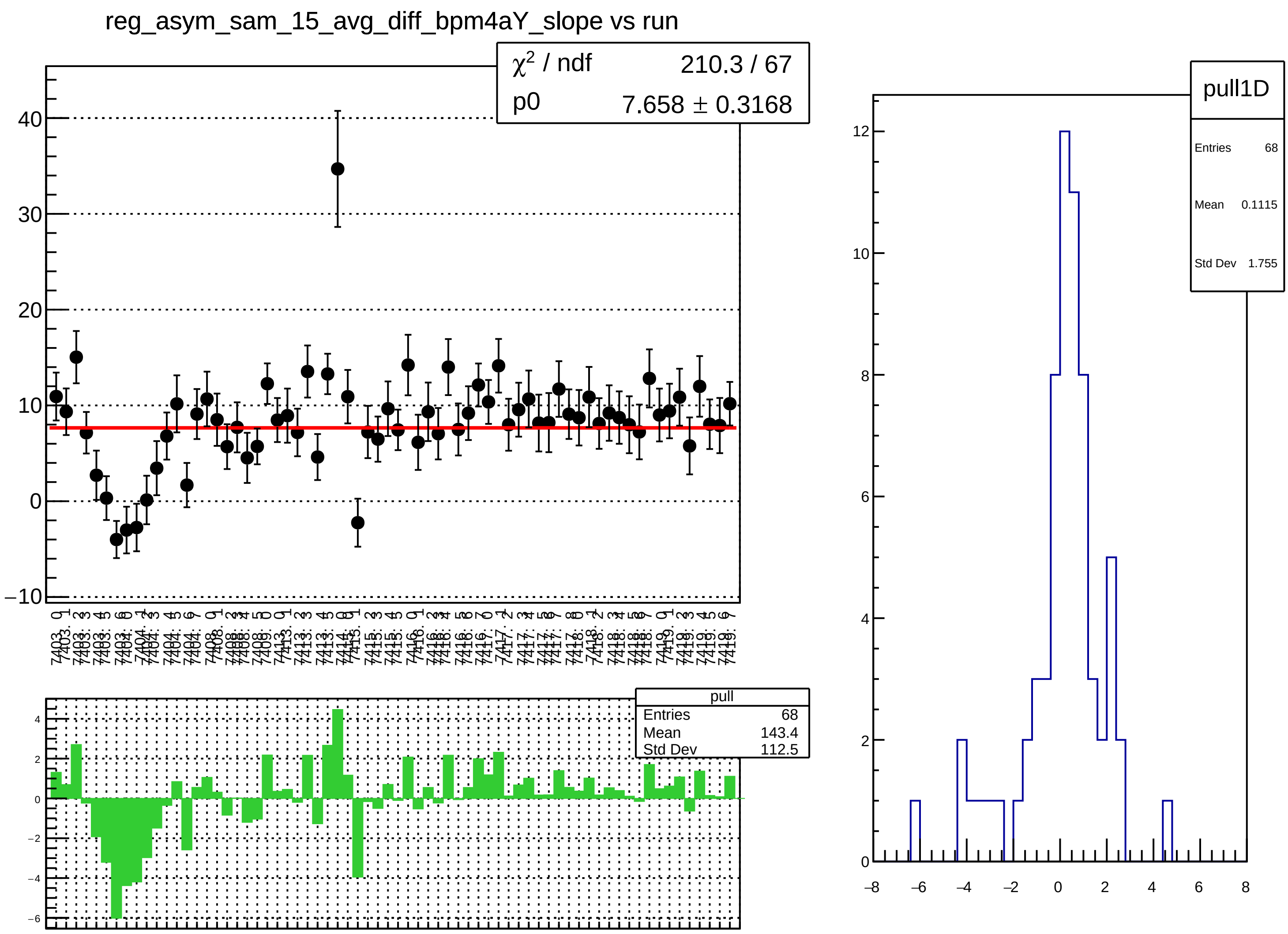
reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 74.39 / 67
p0 13.95 ± 0.7788
pull
Entries 68
Mean 81.35
Std Dev 84.42
pull1D
Entries 68
Mean 0.02154
Std Dev 1.046



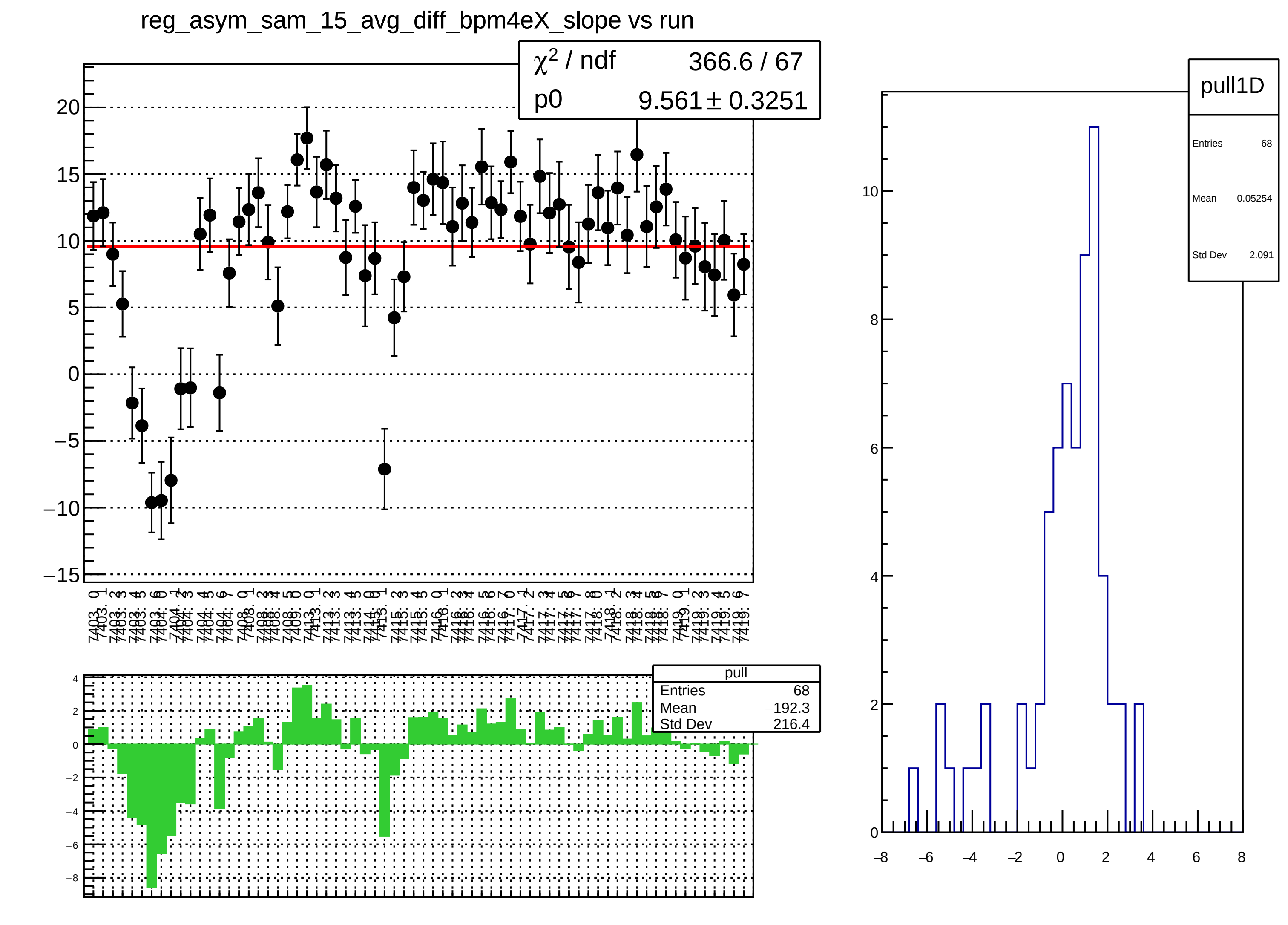
reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 56.78 / 67
p0 −18.77 ± 0.03438
−18
−18.5
−19
−19.5
−20
pull
Entries 68
Mean −893.9
Std Dev 924.4
pull1D
Entries 68
Mean 0.01172
Std Dev 0.9137



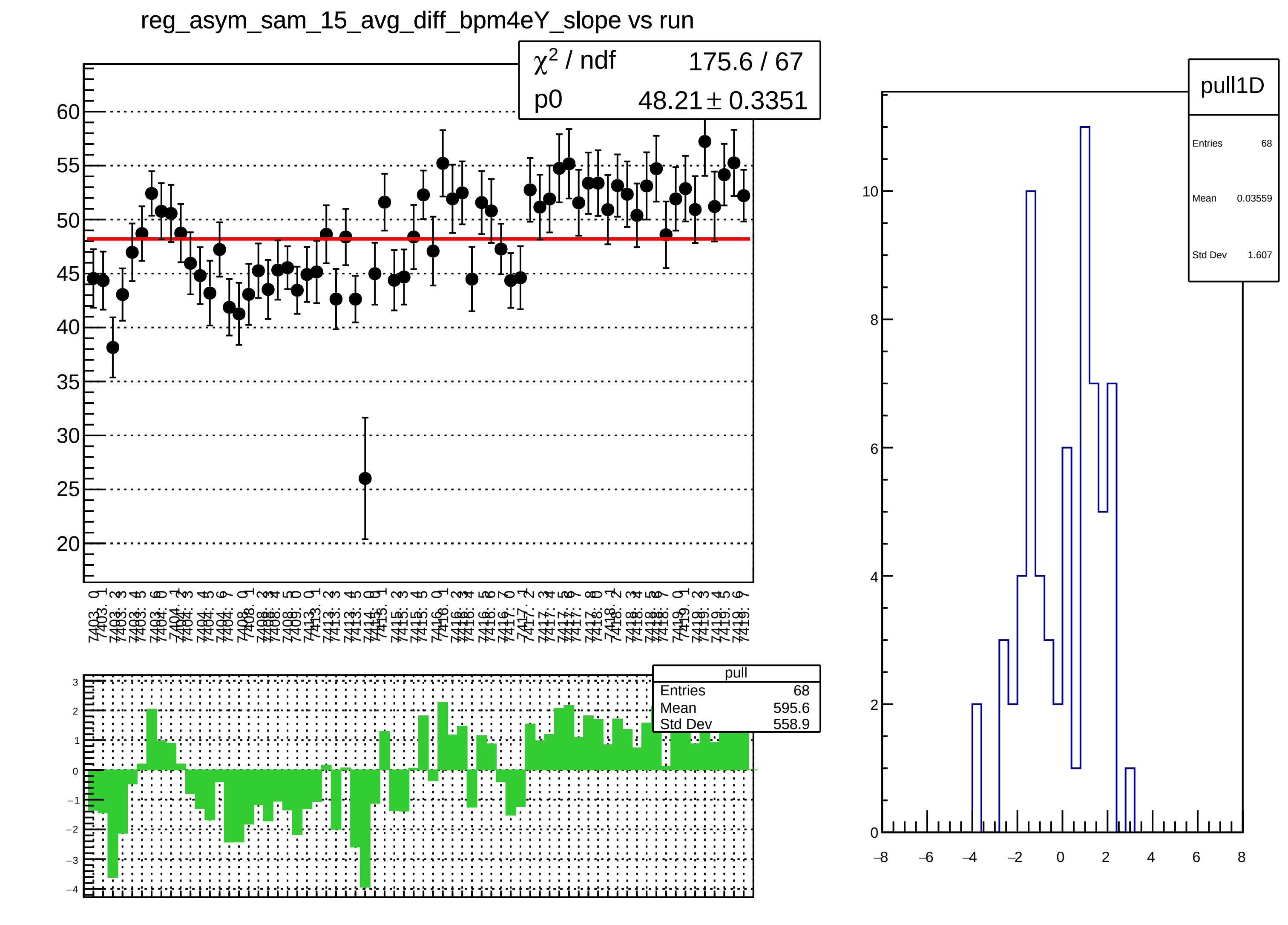
reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 406.6 / 67
p0 −17.03 ± 0.3128
pull
Entries 68
Mean −299.7
Std Dev 325.4
pull1D
Entries 68
Mean −0.07336
Std Dev 2.198



reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ2 / ndf 210.3 / 67
p0 7.658 ± 0.3168
pull
Entries 68
Mean 143.4
Std Dev 112.5
pull1D
Entries 68
Mean 0.1115
Std Dev 1.755

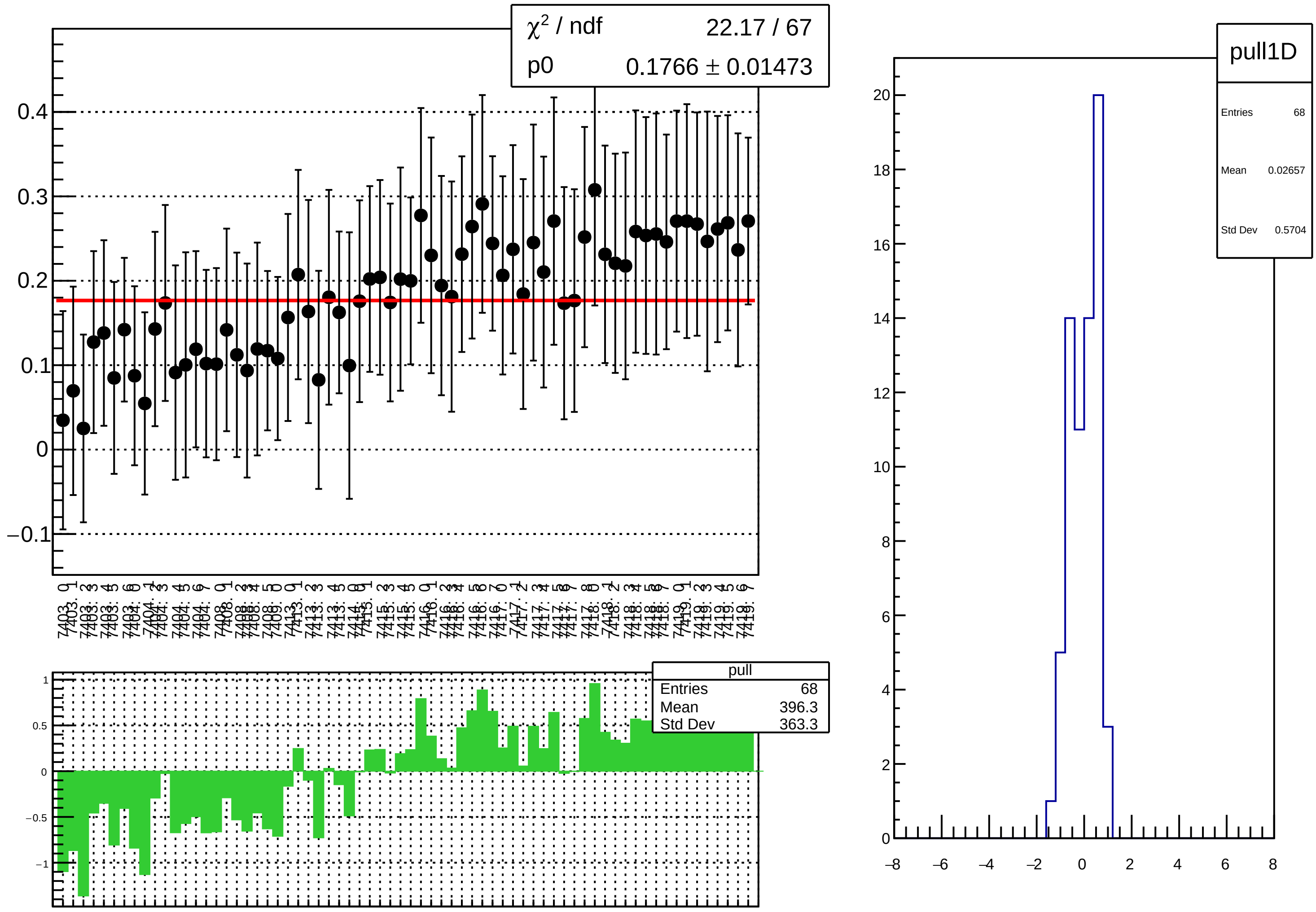


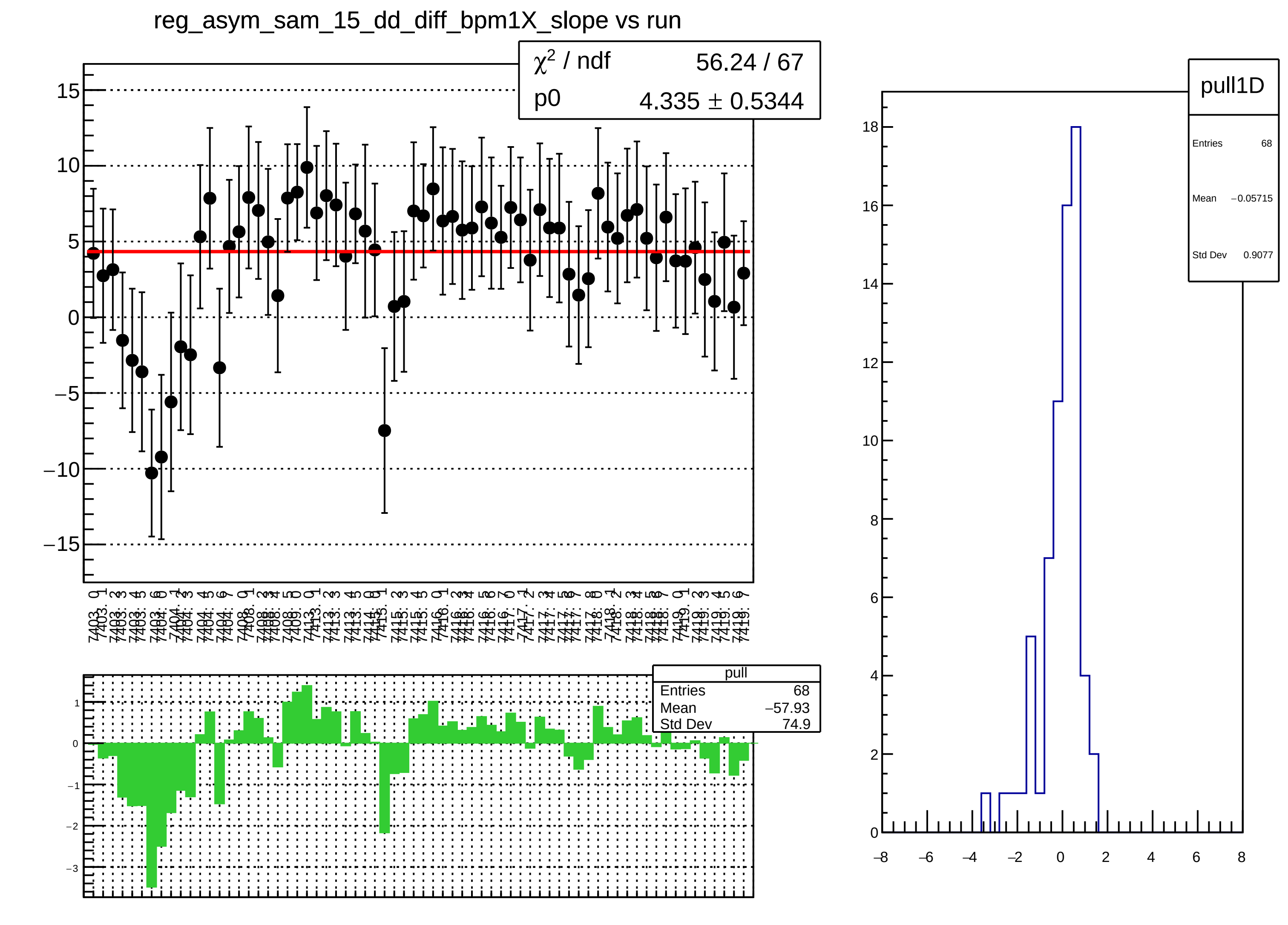
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 366.6 / 67
p0 9.561 ± 0.3251
pull
Entries 68
Mean −192.3
Std Dev 216.4
pull1D
Entries 68
Mean 0.05254
Std Dev 2.091

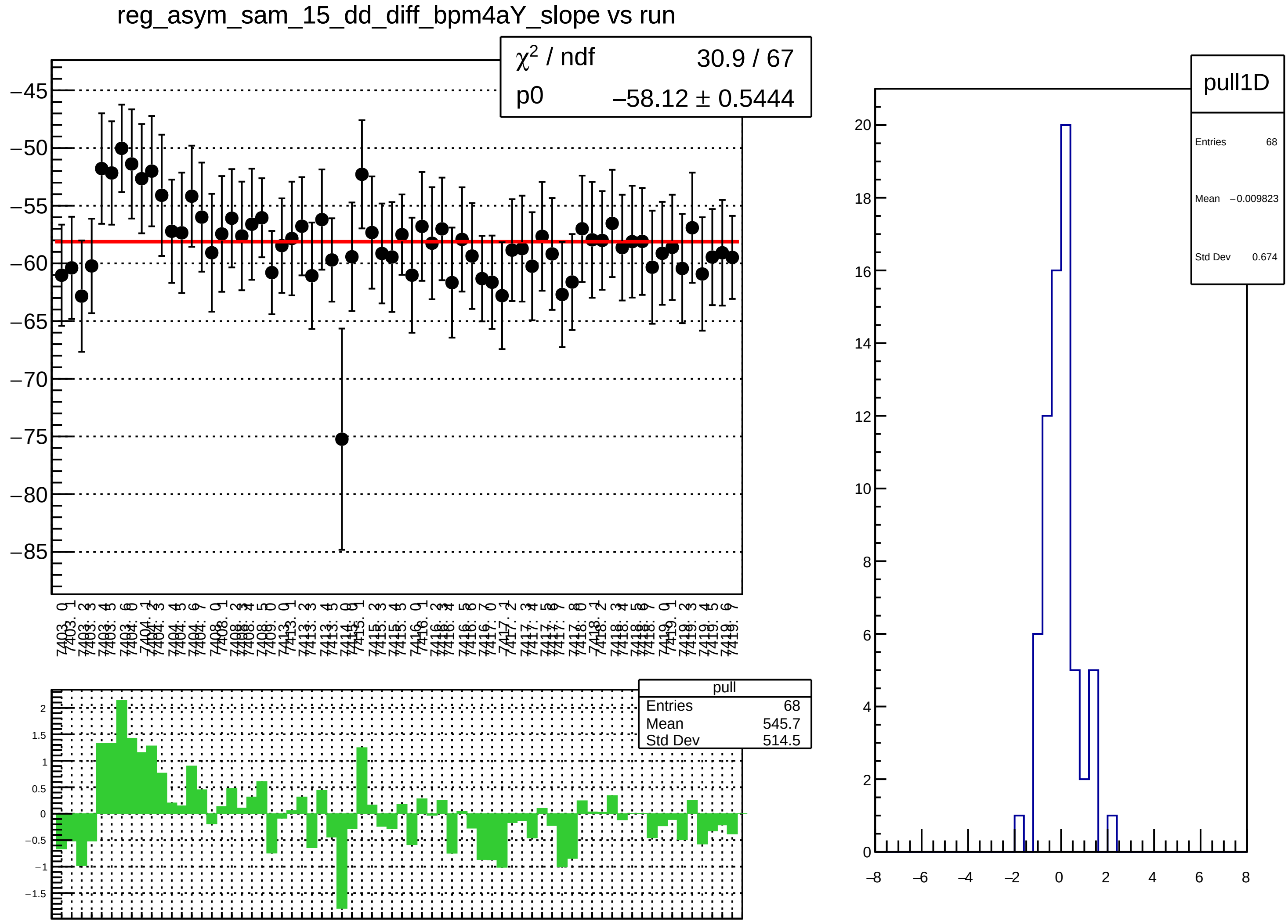


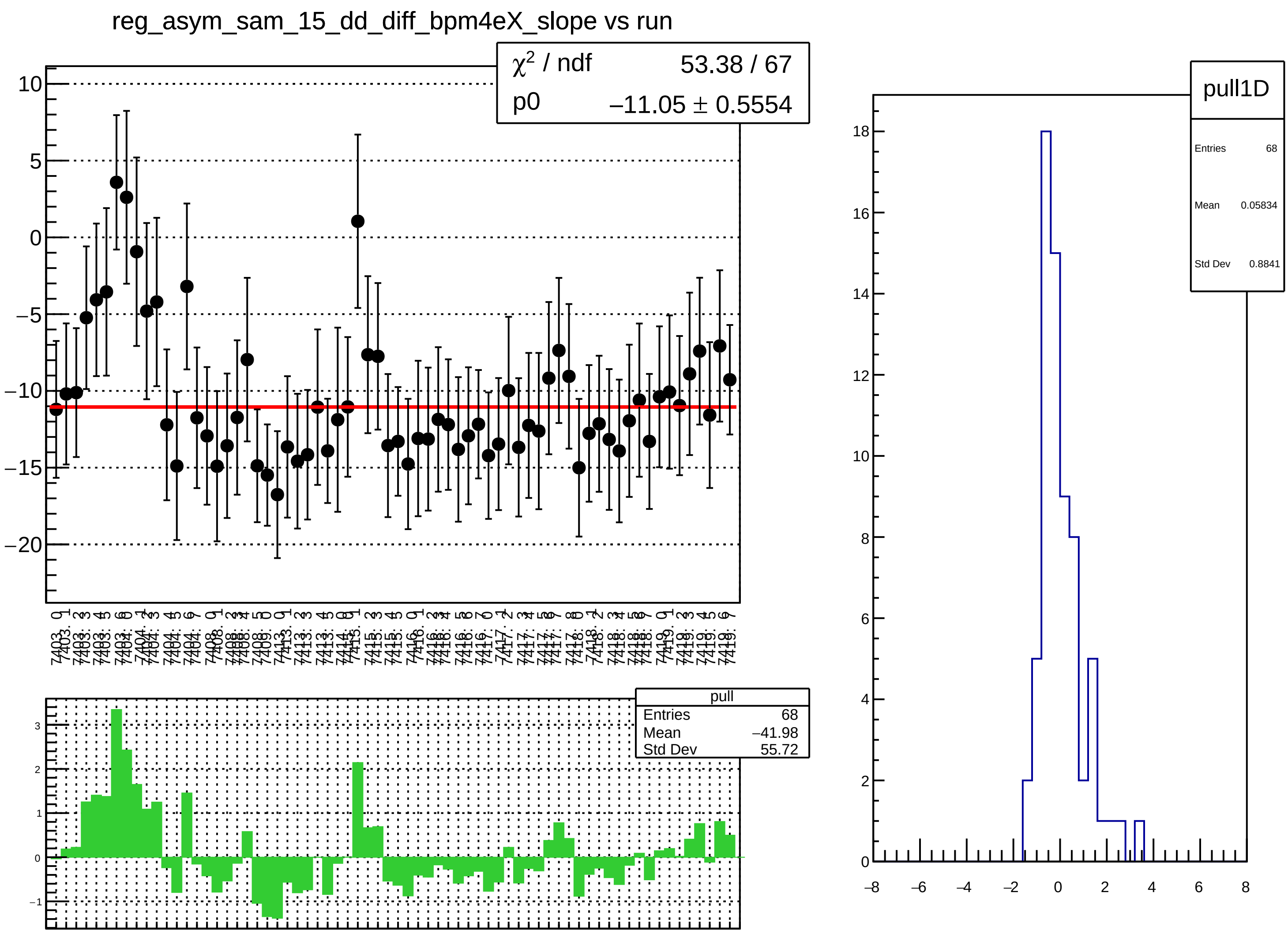
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 175.6 / 67
p0 48.21 ± 0.3351
pull
Entries 68
Mean 595.6
Std Dev 558.9
pull1D
Entries 68
Mean 0.03559
Std Dev 1.607

reg_asym_sam_15_avg_diff_bpm12X_slope vs run

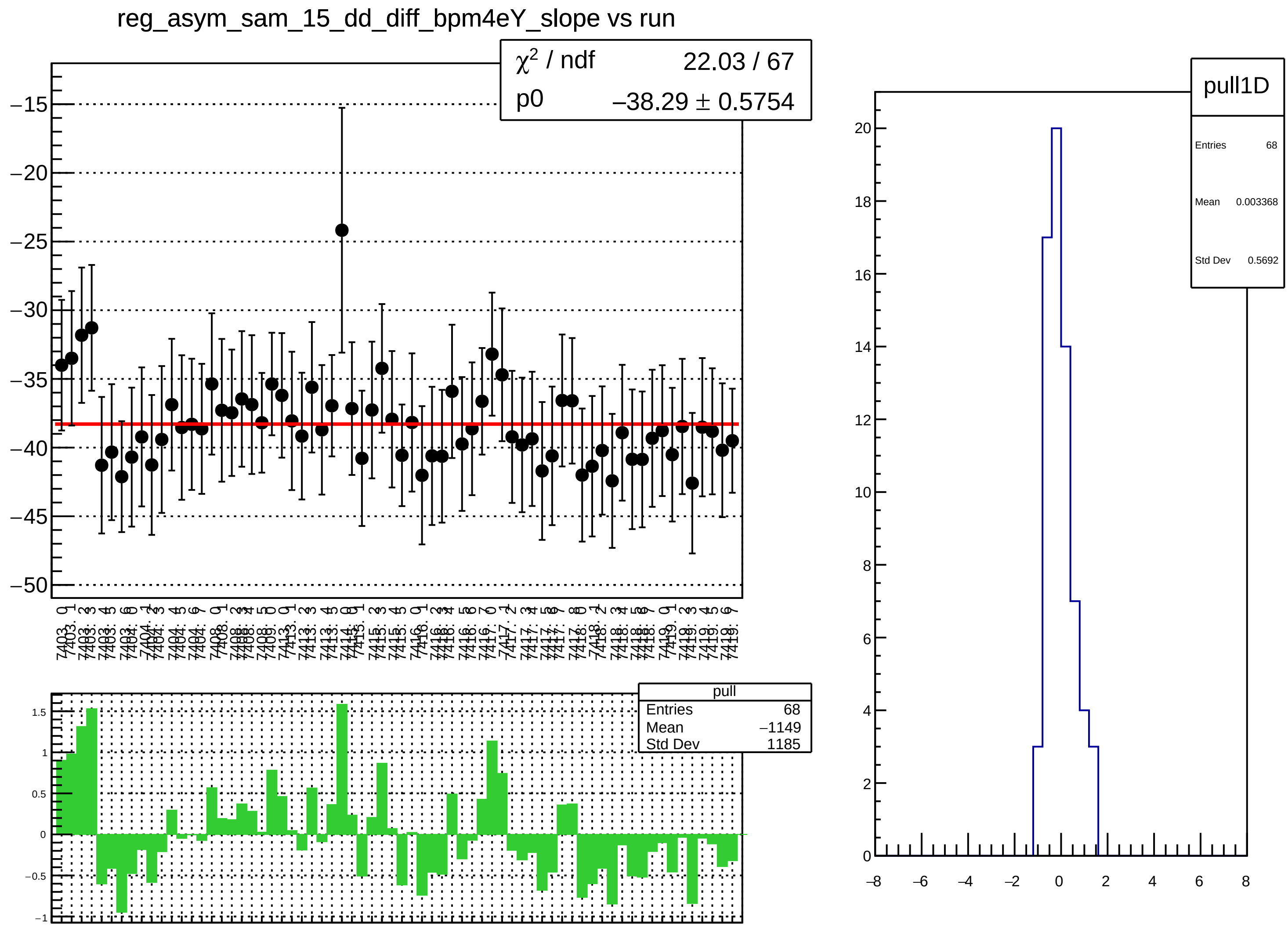



reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 56.24 / 67
p0 4.335 ± 0.5344
pull
Entries 68
Mean −57.93
Std Dev 74.9
pull1D
Entries 68
Mean −0.05715
Std Dev 0.9077

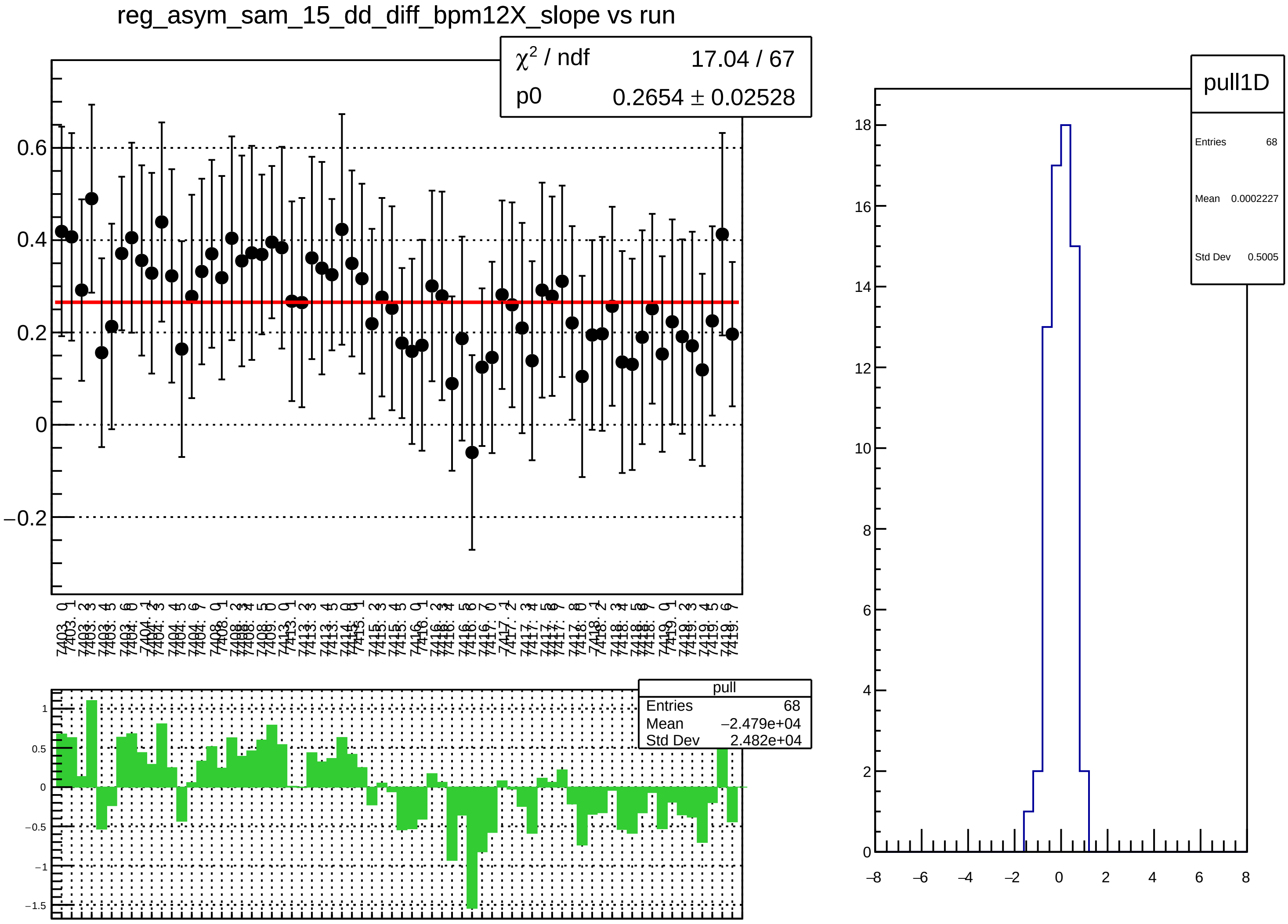

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 30.9 / 67
p0 −58.12 ± 0.5444
pull
Entries 68
Mean 545.7
Std Dev 514.5
pull1D
Entries 68
Mean −0.009823
Std Dev 0.674

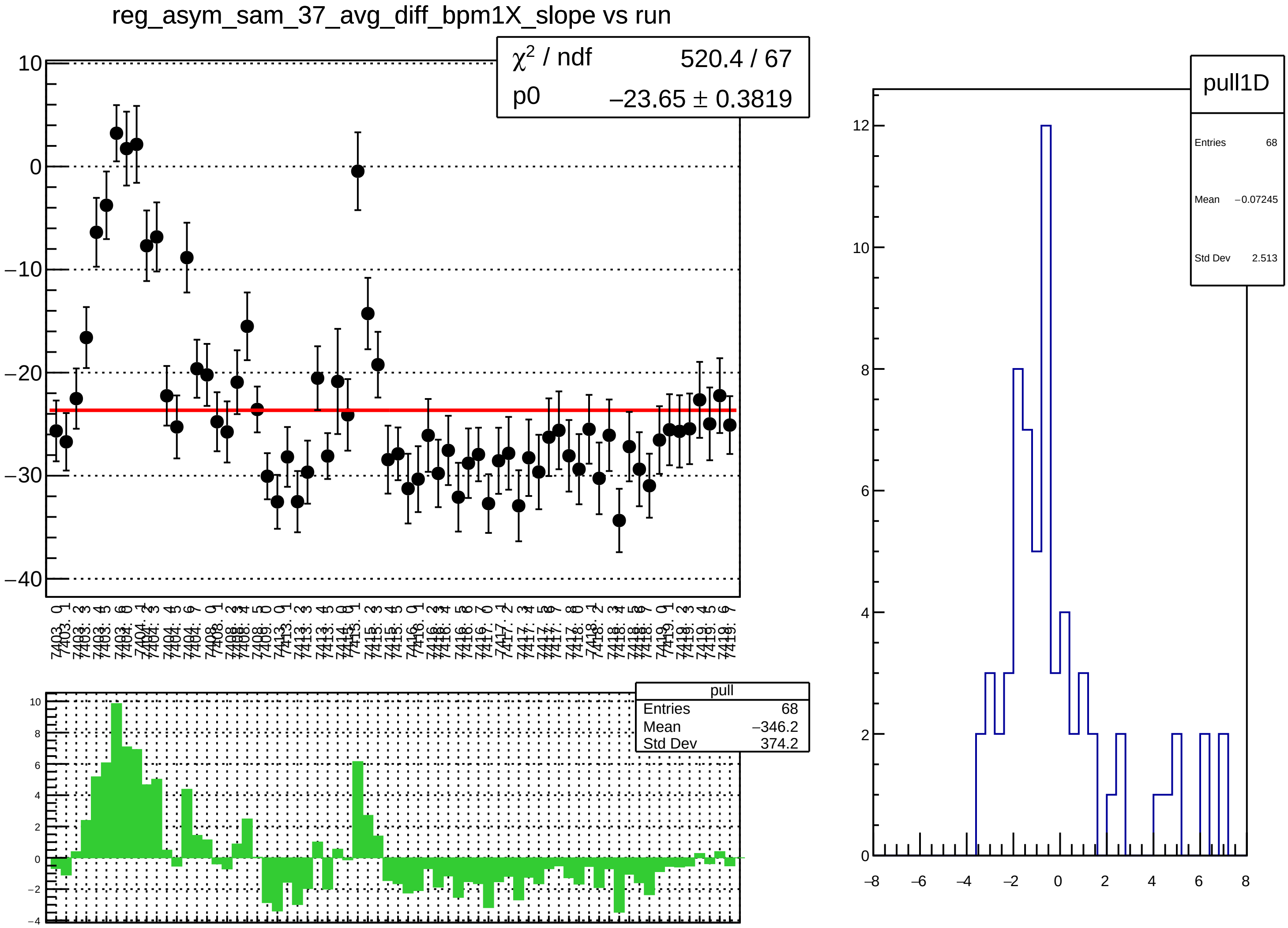


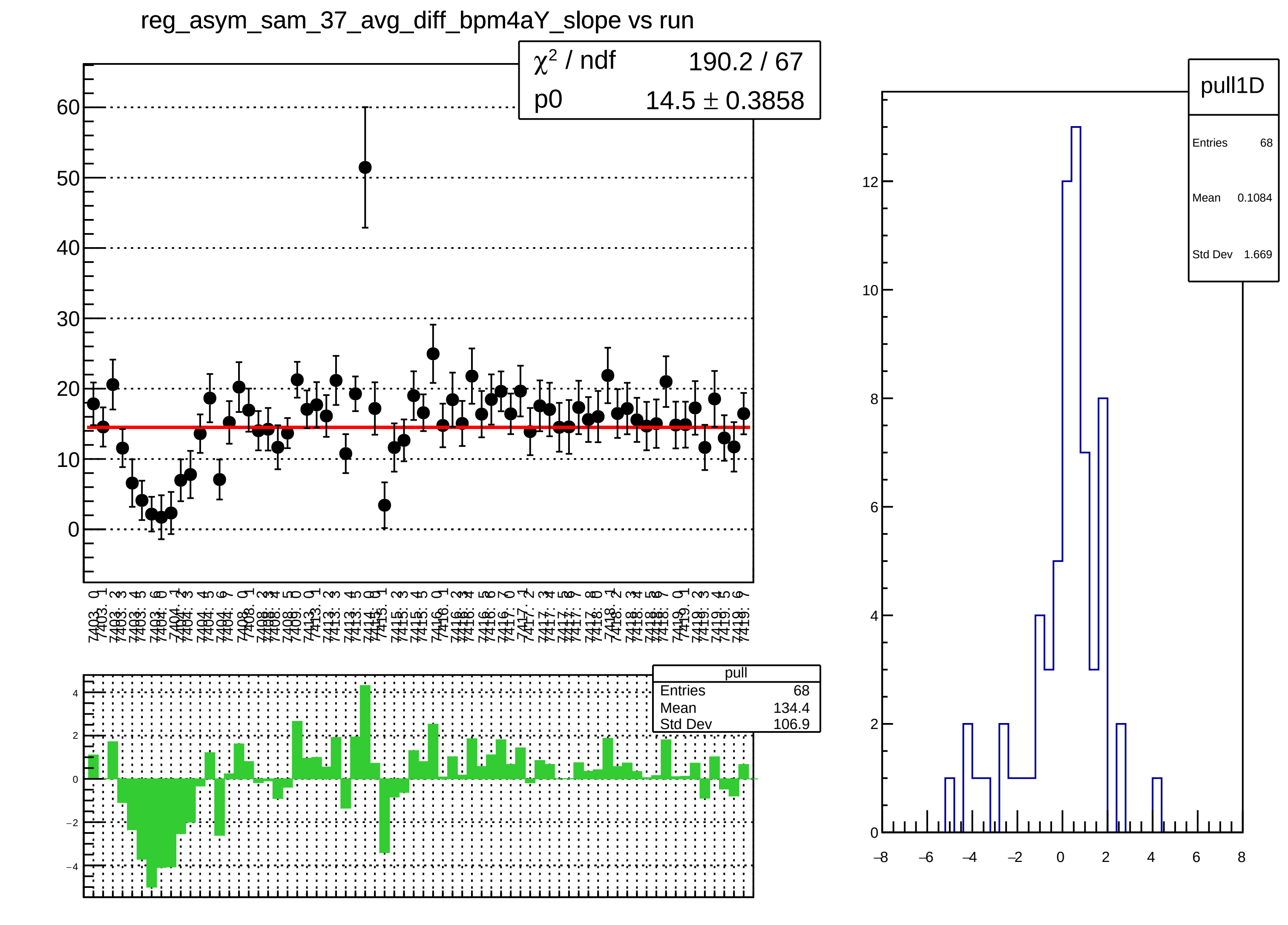
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 53.38 / 67
p0 −11.05 ± 0.5554
pull
Entries 68
Mean −41.98
Std Dev 55.72
pull1D
Entries 68
Mean 0.05834
Std Dev 0.8841

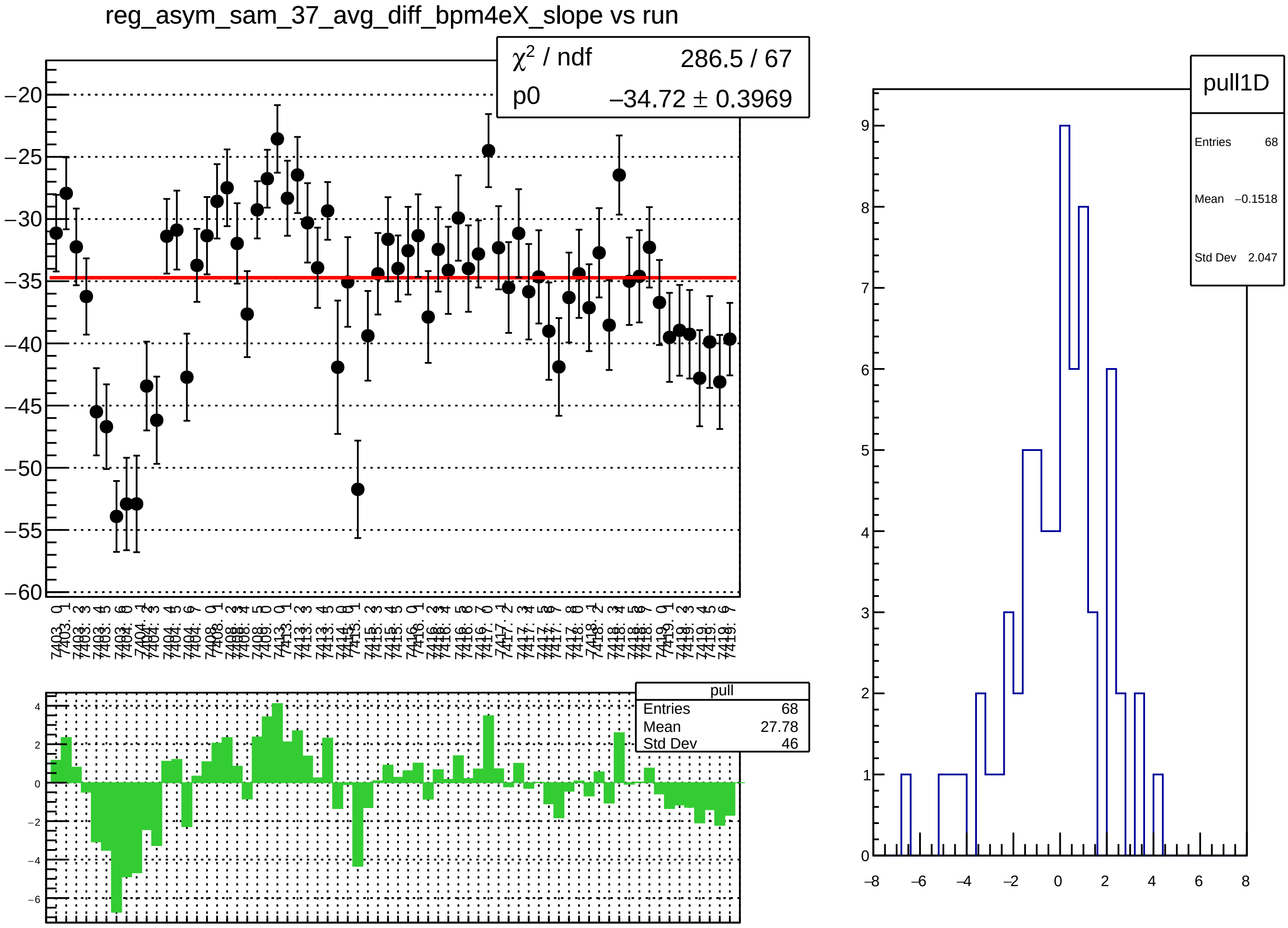


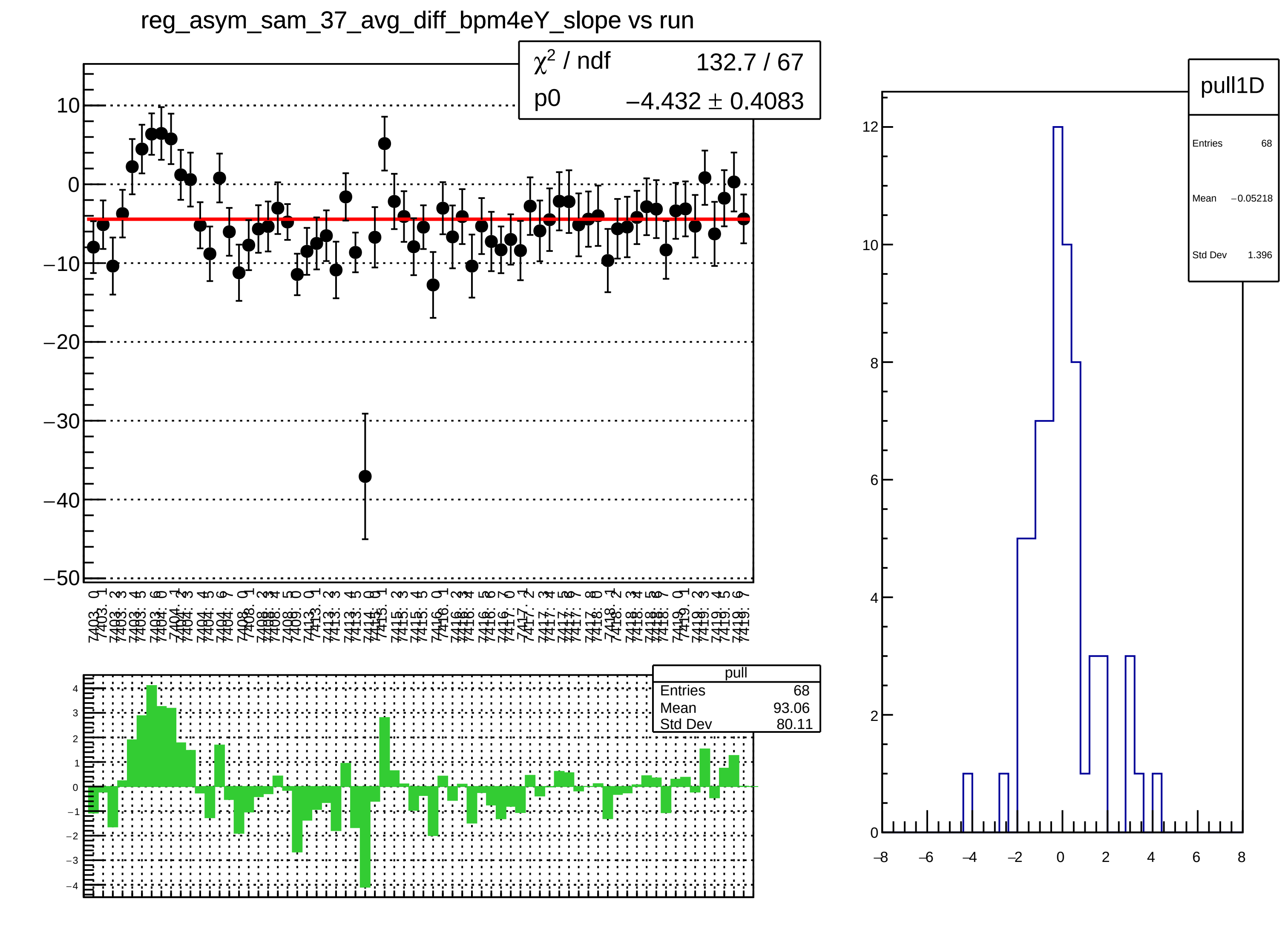
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 22.03 / 67
p0 −38.29 ± 0.5754
pull
Entries 68
Mean −1149
Std Dev 1185
pull1D
Entries 68
Mean 0.003368
Std Dev 0.5692

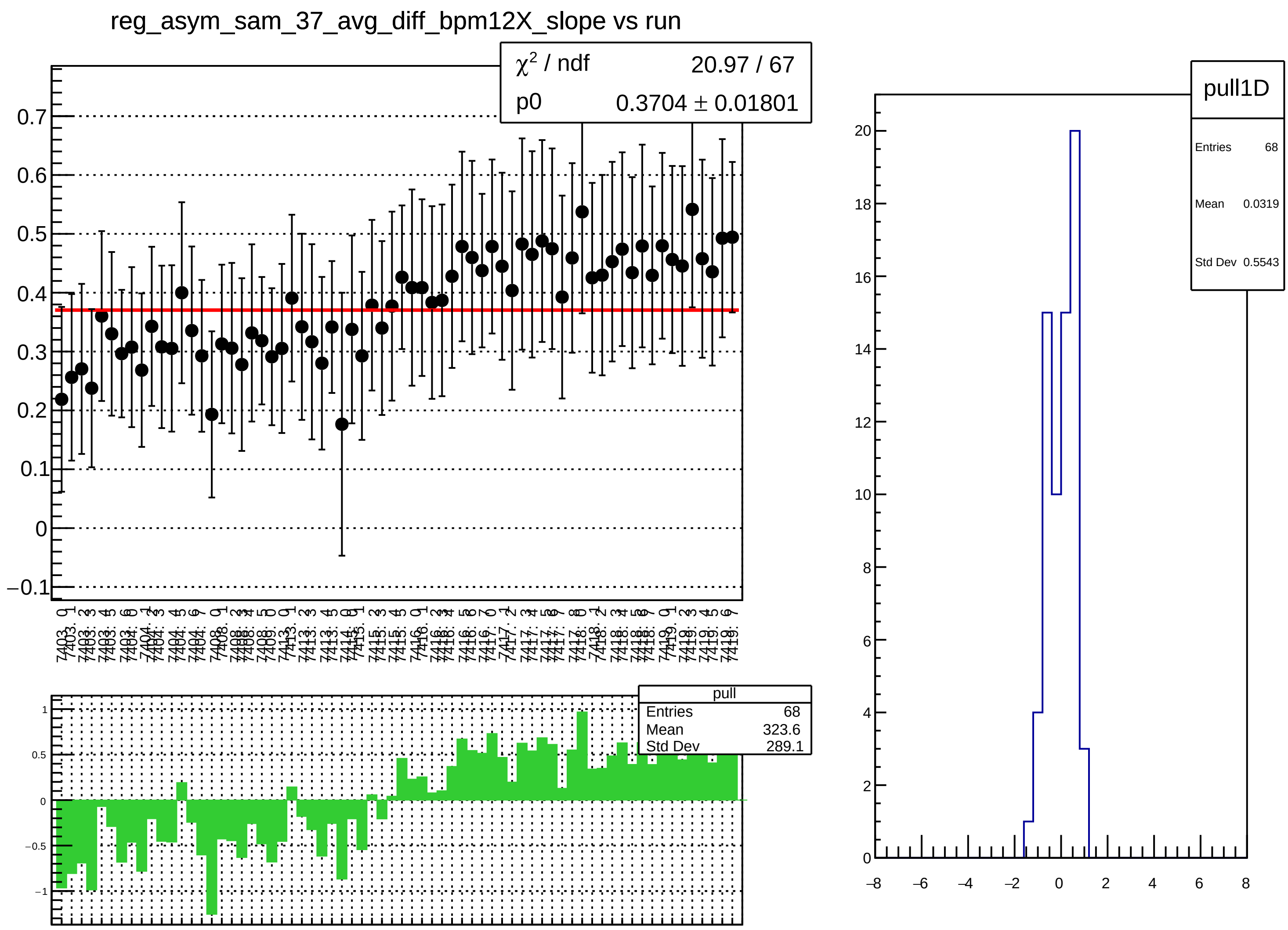

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.04 / 67
p0 0.2654 ± 0.02528
pull
Entries 68
Mean −2.479e+04
Std Dev 2.482e+04
pull1D
Entries 68
Mean 0.0002227
Std Dev 0.5005


reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 520.4 / 67
p0 −23.65 ± 0.3819
pull
Entries 68
Mean −346.2
Std Dev 374.2
pull1D
Entries 68
Mean −0.07245
Std Dev 2.513

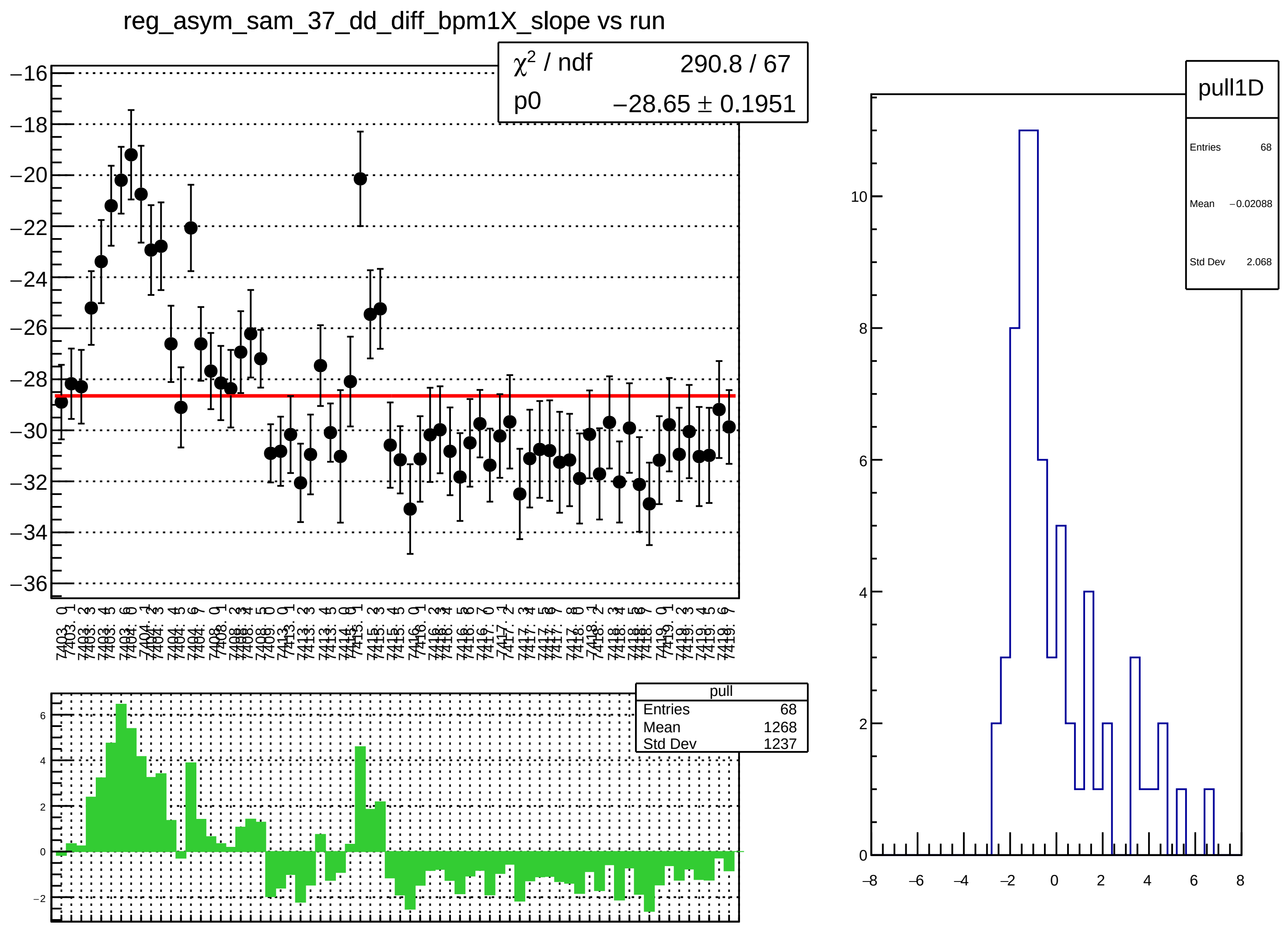

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 190.2 / 67
p0 14.5 ± 0.3858
pull
Entries 68
Mean 134.4
Std Dev 106.9
pull1D
Entries 68
Mean 0.1084
Std Dev 1.669


reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ2 / ndf 286.5 / 67
p0 −34.72 ± 0.3969
pull
Entries 68
Mean 27.78
Std Dev 46
pull1D
Entries 68
Mean −0.1518
Std Dev 2.047

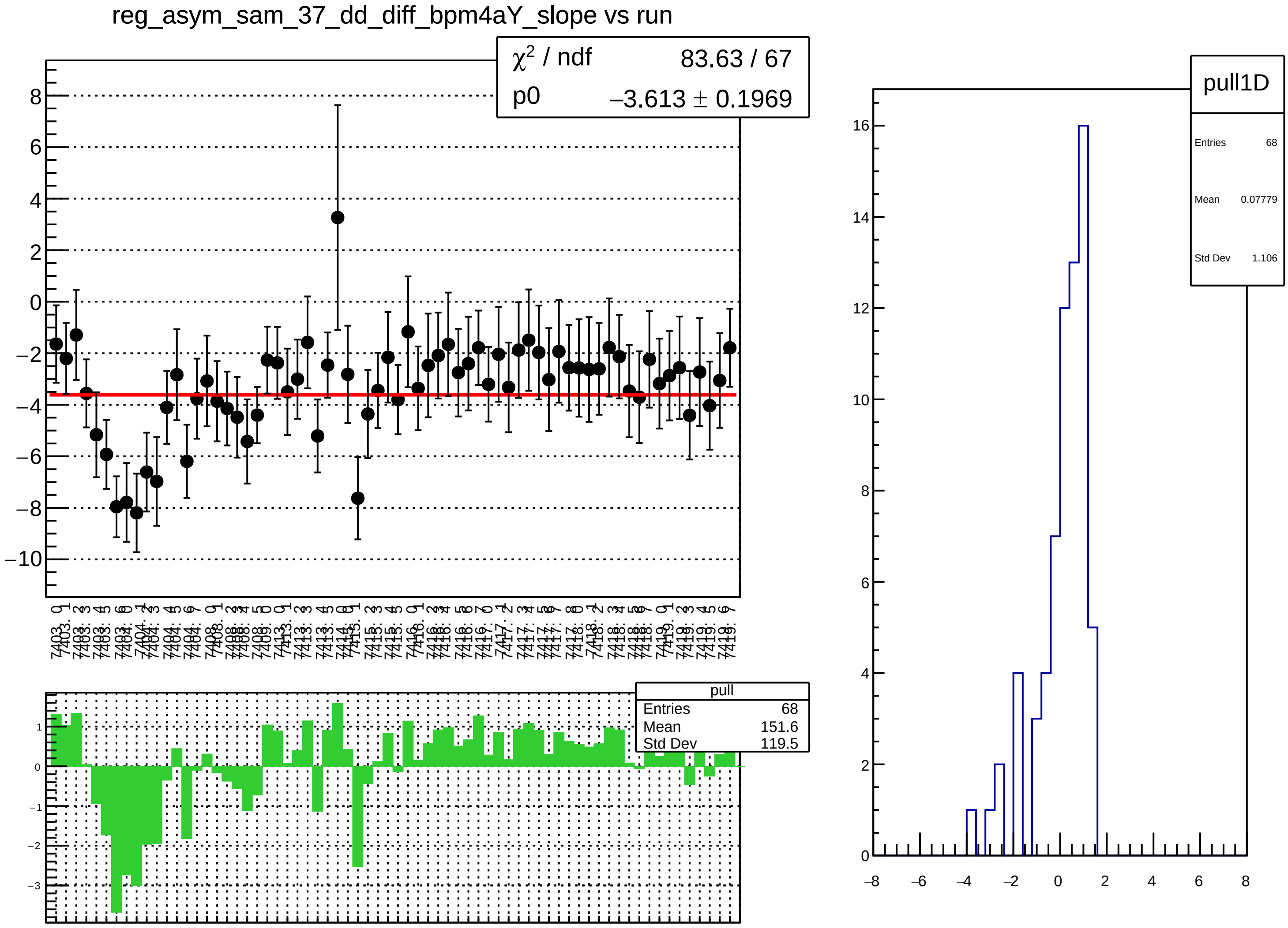

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 132.7 / 67
p0 −4.432 ± 0.4083
pull
Entries 68
Mean 93.06
Std Dev 80.11
pull1D
Entries 68
Mean −0.05218
Std Dev 1.396



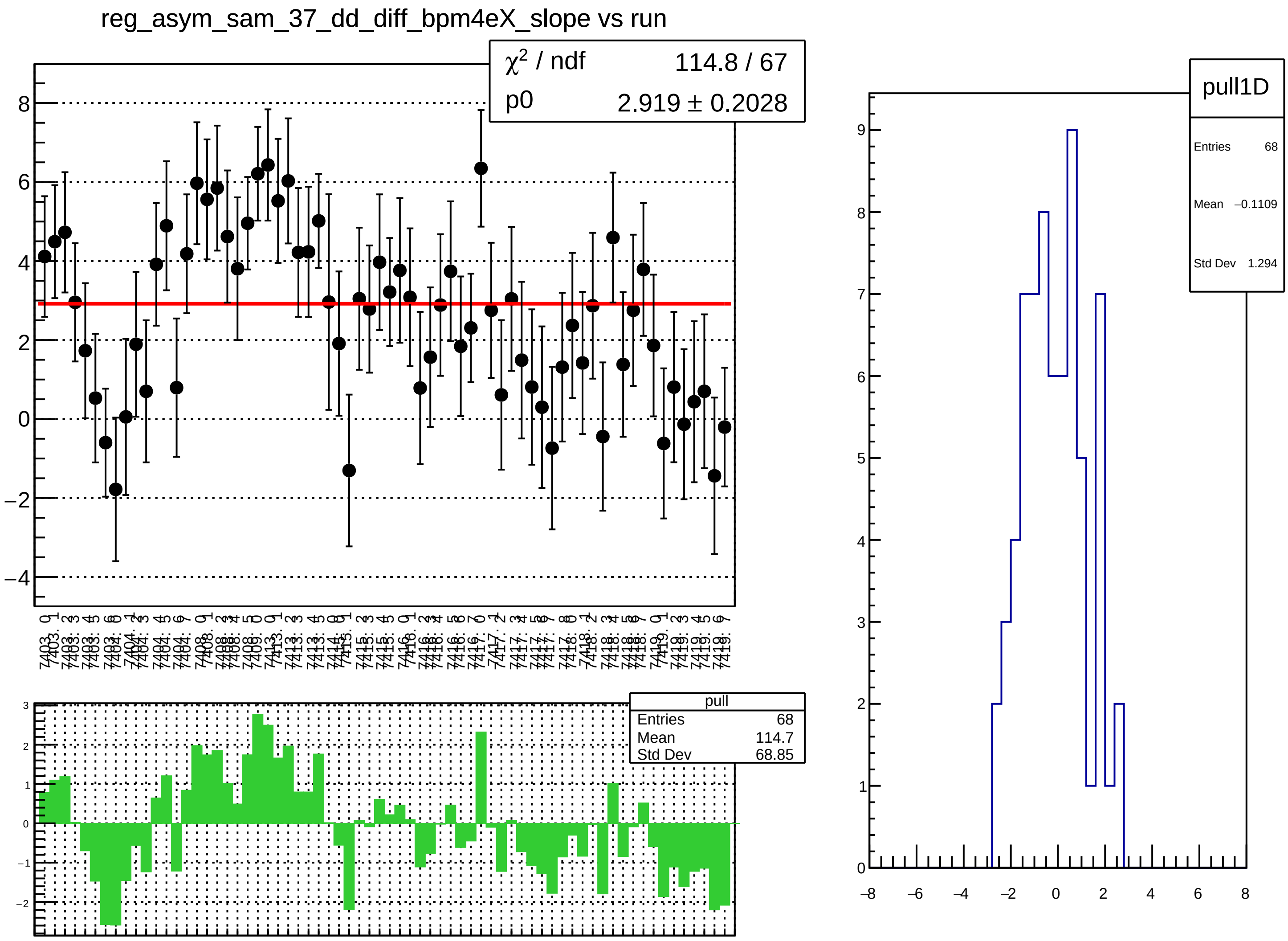
reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.97 / 67
p0 0.3704 ± 0.01801
pull
Entries 68
Mean 323.6
Std Dev 289.1
pull1D
Entries 68
Mean 0.0319
Std Dev 0.5543



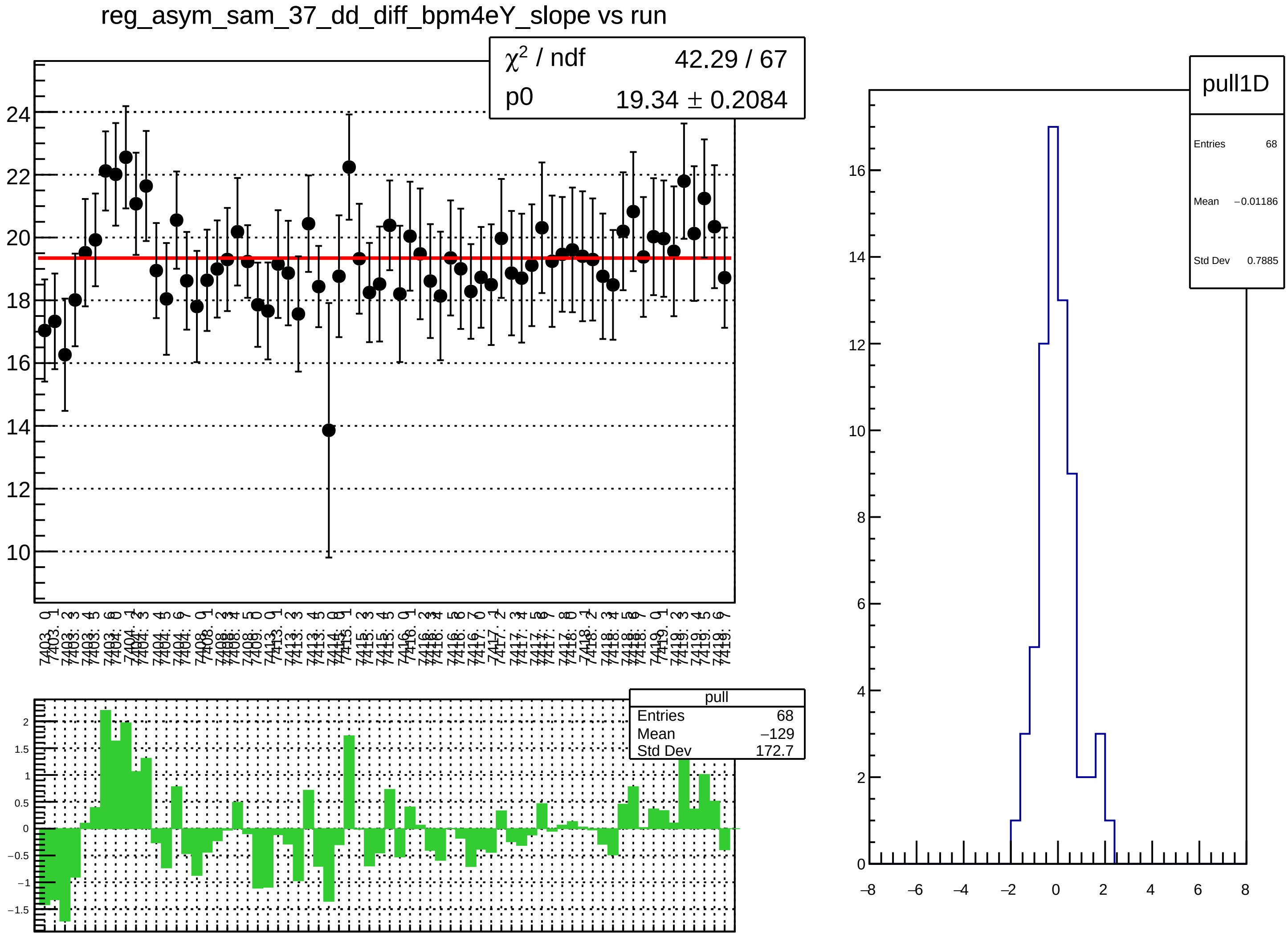
reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 290.8 / 67
p0 −28.65 ± 0.1951
pull
Entries 68
Mean 1268
Std Dev 1237
pull1D
Entries 68
Mean −0.02088
Std Dev 2.068



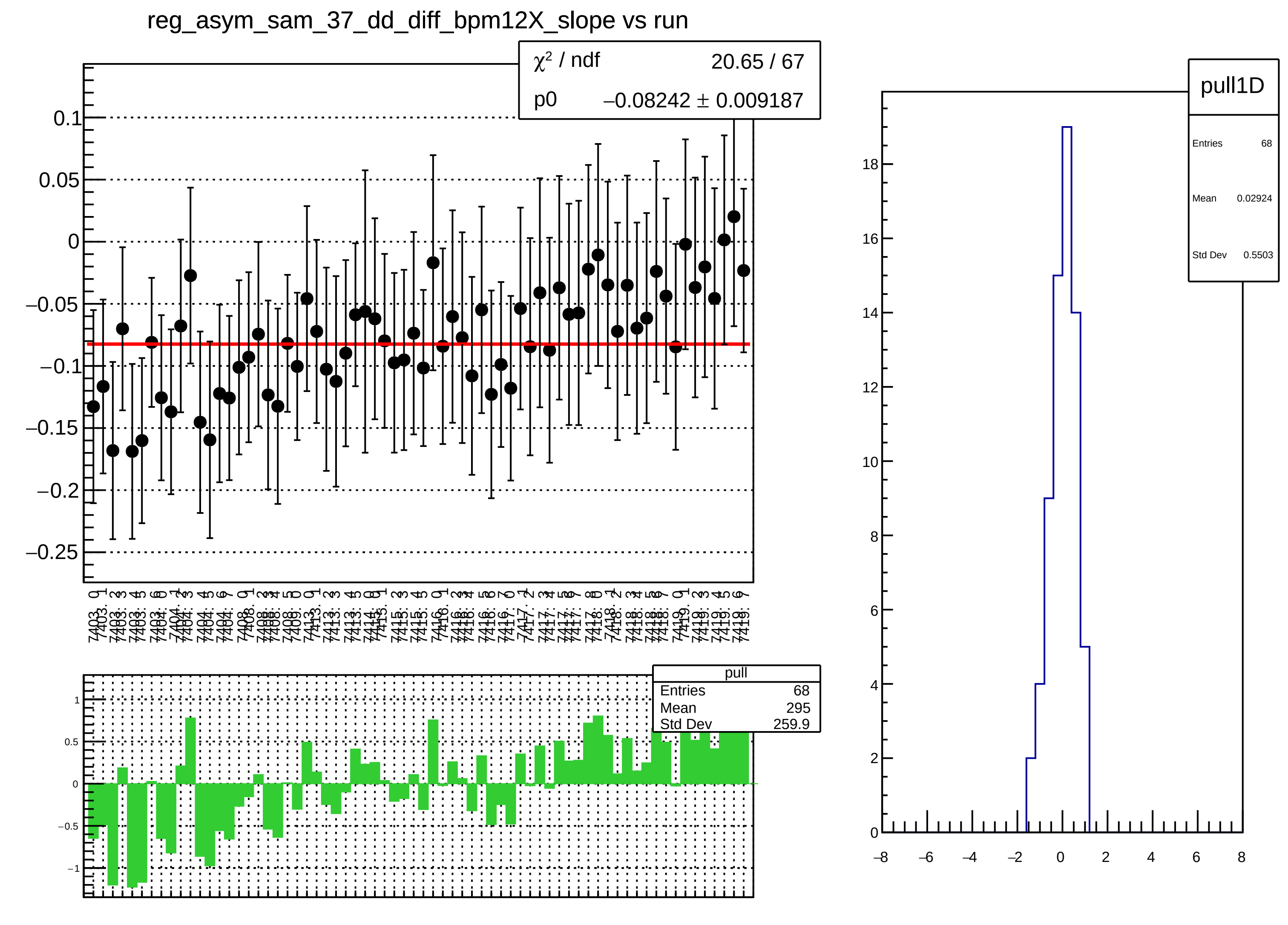
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 83.63 / 67
p0 −3.613 ± 0.1969
pull
Entries 68
Mean 151.6
Std Dev 119.5
pull1D
Entries 68
Mean 0.07779
Std Dev 1.106



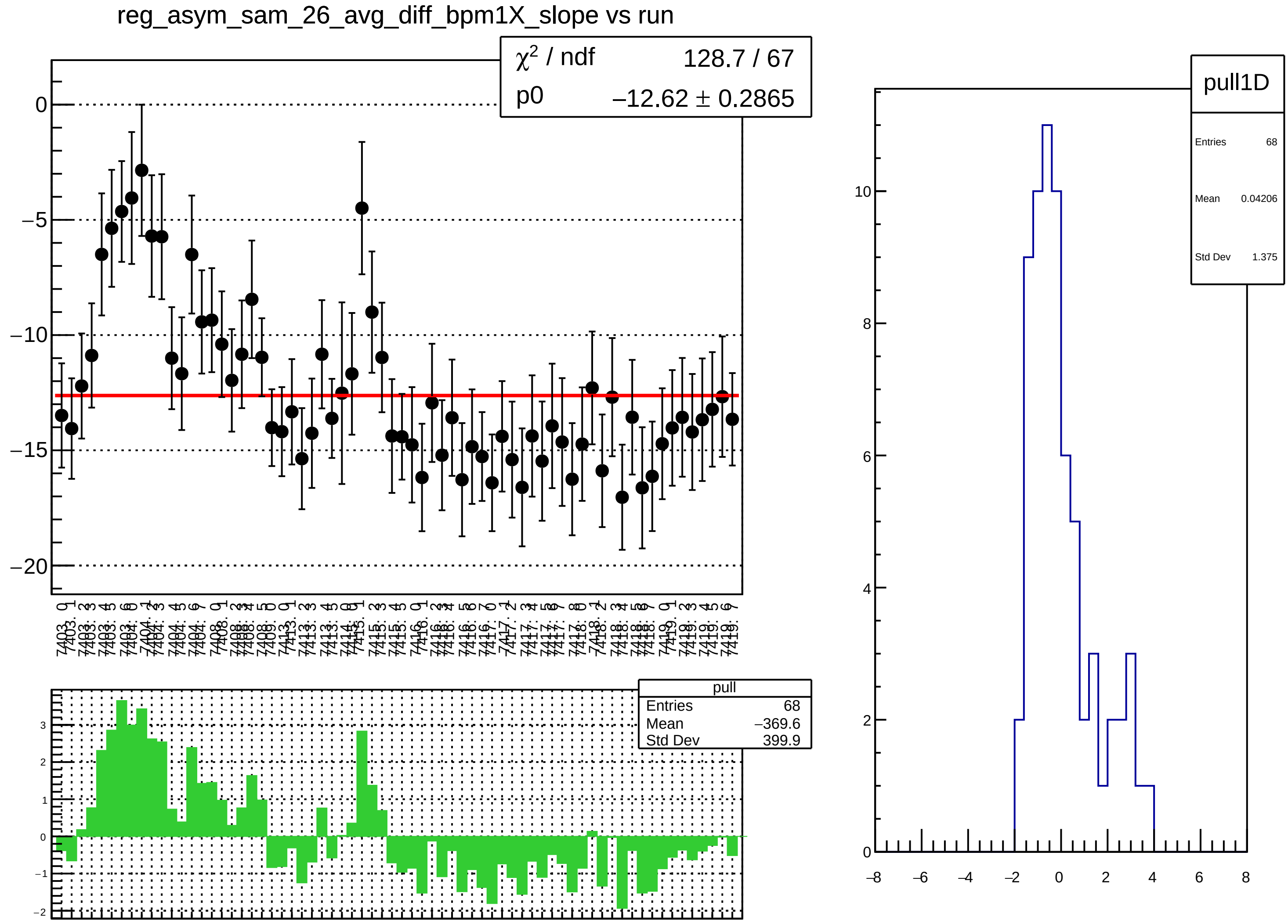
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 114.8 / 67
p0 2.919 ± 0.2028
pull
Entries 68
Mean 114.7
Std Dev 68.85
pull1D
Entries 68
Mean −0.1109
Std Dev 1.294



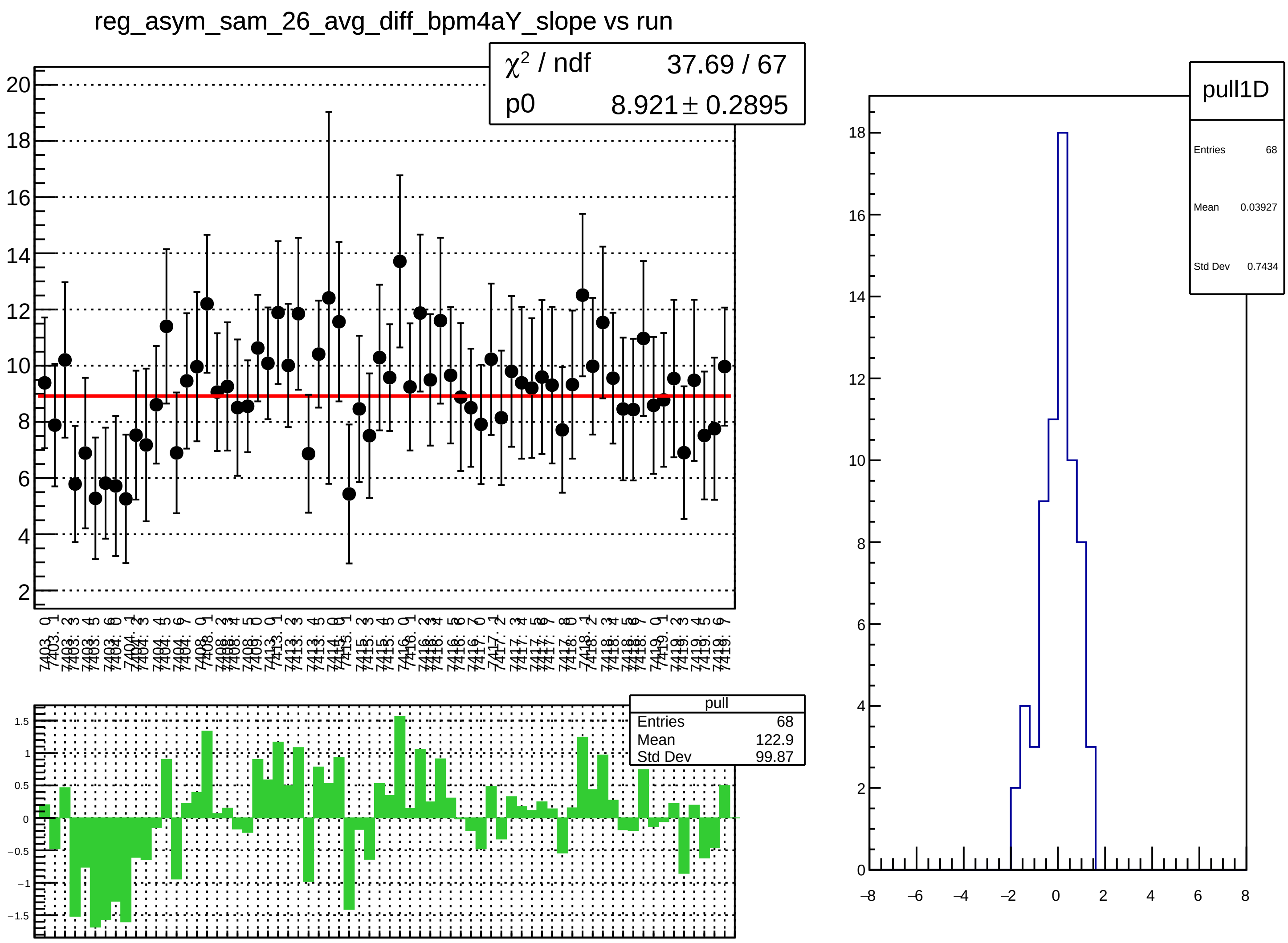
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 42.29 / 67
p0 19.34 ± 0.2084
pull
Entries 68
Mean −129
Std Dev 172.7
pull1D
Entries 68
Mean −0.01186
Std Dev 0.7885



reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.65 / 67
p0 −0.08242 ± 0.009187
pull
Entries 68
Mean 295
Std Dev 259.9
pull1D
Entries 68
Mean 0.02924
Std Dev 0.5503

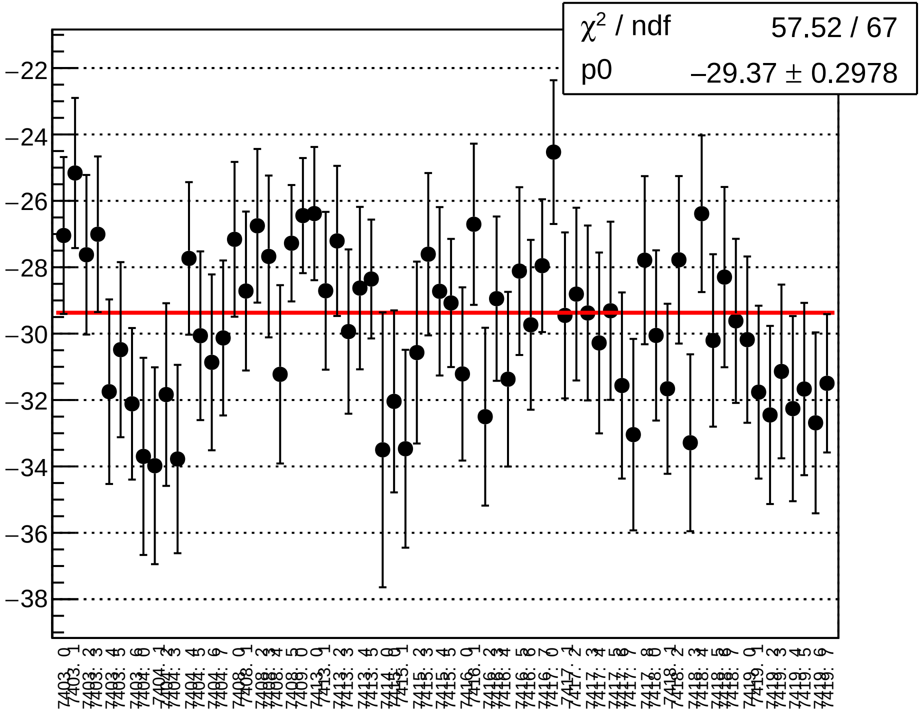


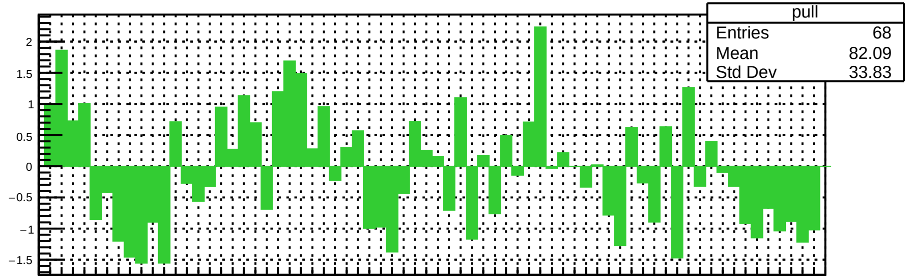
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 128.7 / 67
p0 −12.62 ± 0.2865
pull
Entries 68
Mean −369.6
Std Dev 399.9
pull1D
Entries 68
Mean 0.04206
Std Dev 1.375

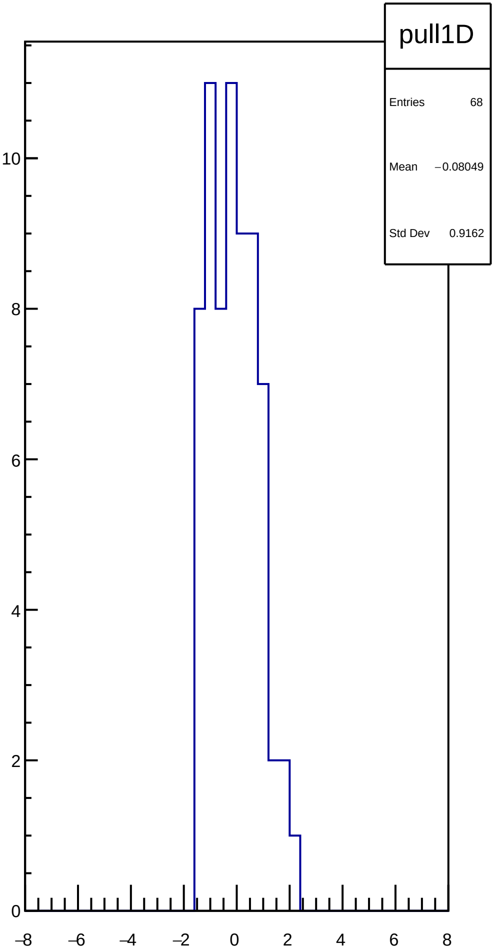


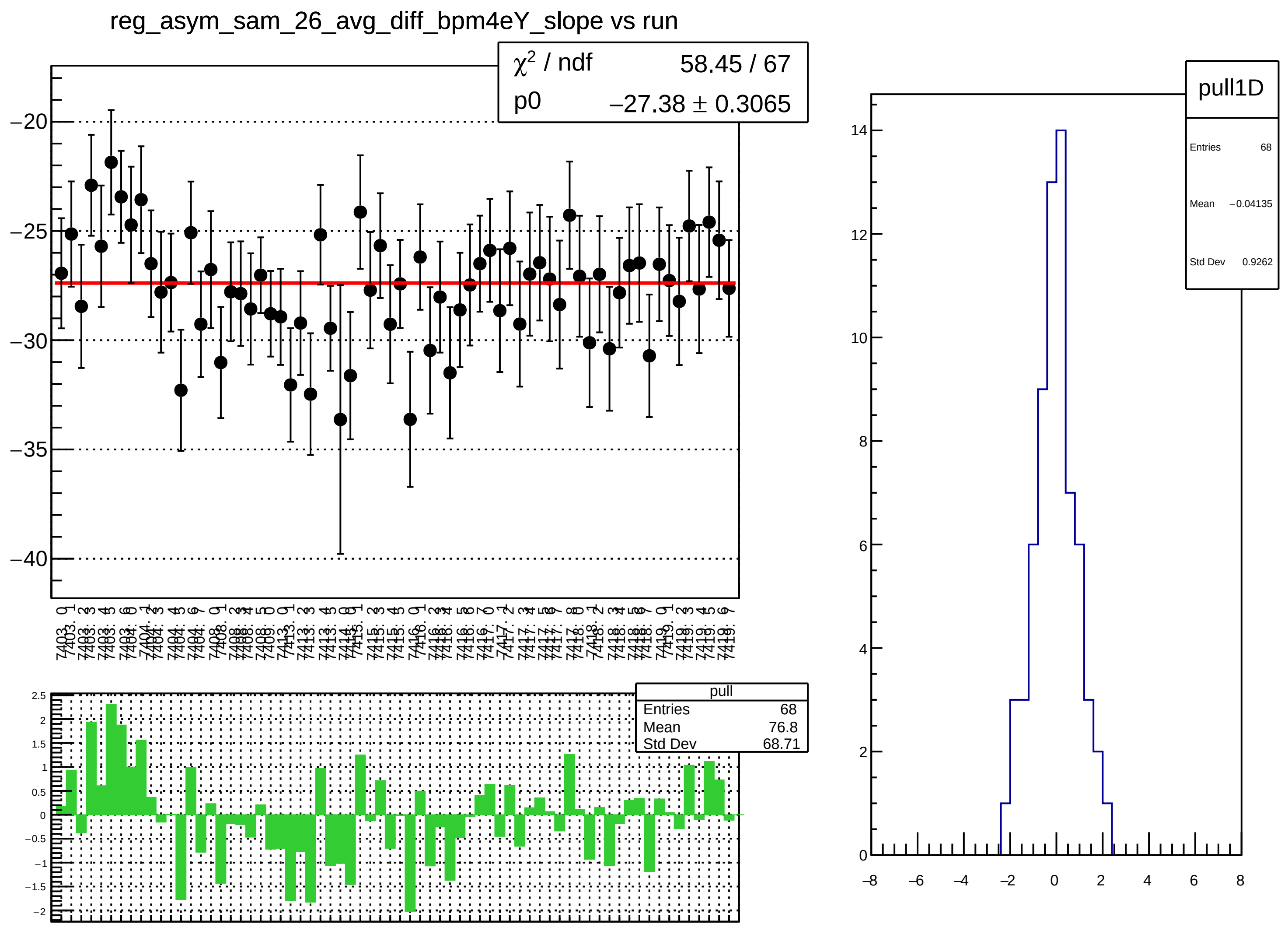
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 37.69 / 67
p0 8.921 ± 0.2895
pull
Entries 68
Mean 122.9
Std Dev 99.87
pull1D
Entries 68
Mean 0.03927
Std Dev 0.7434

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run

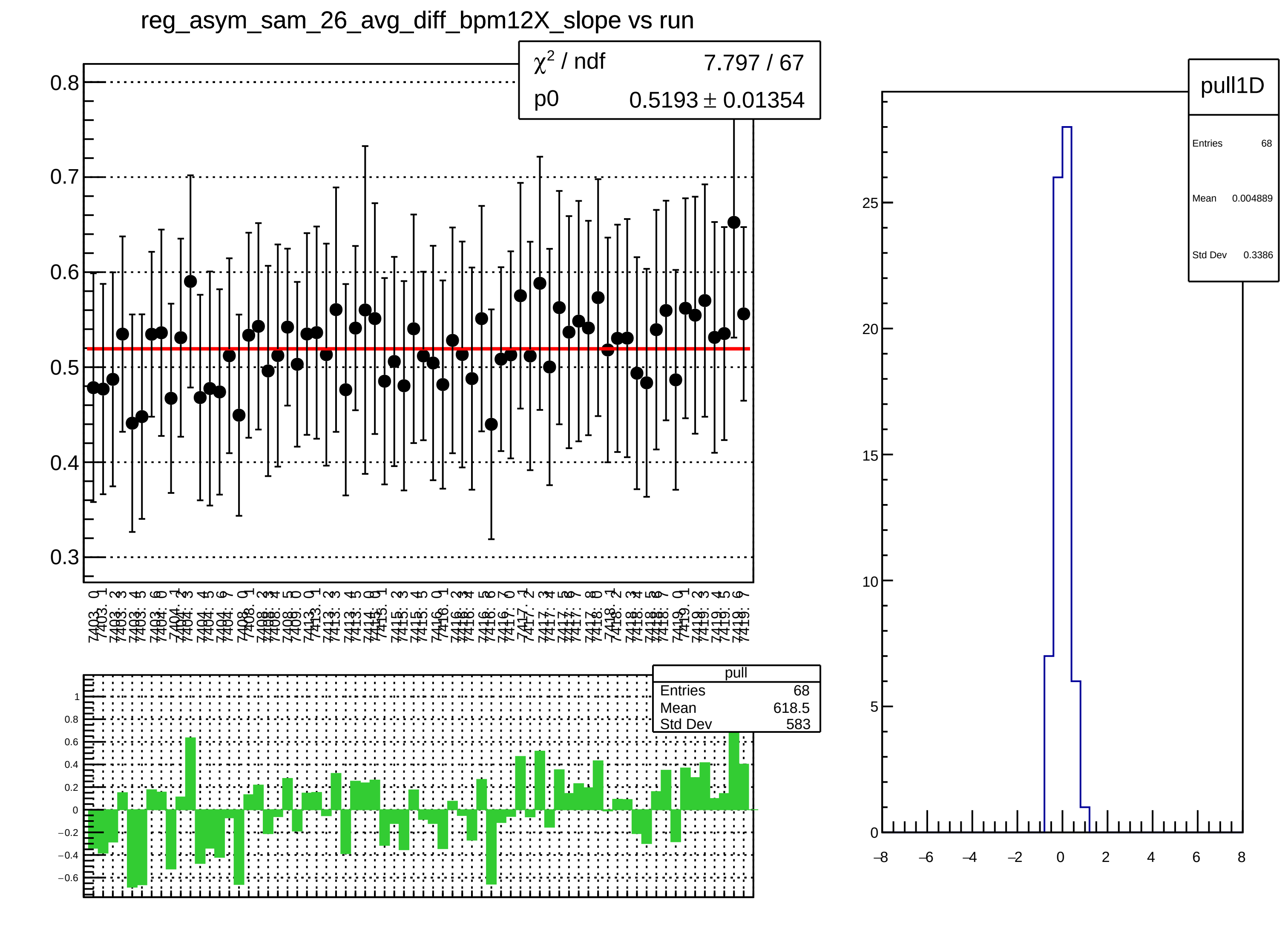




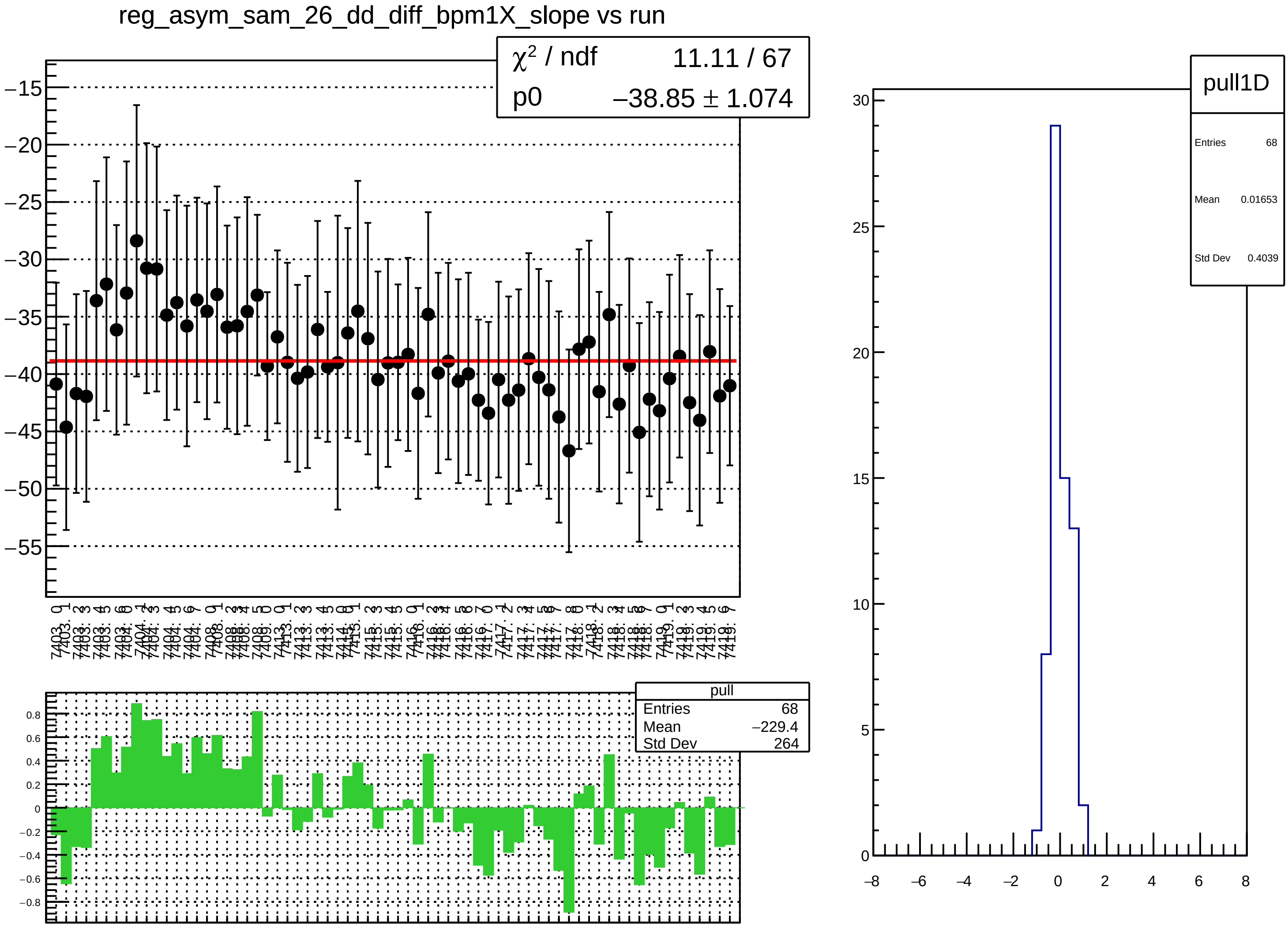




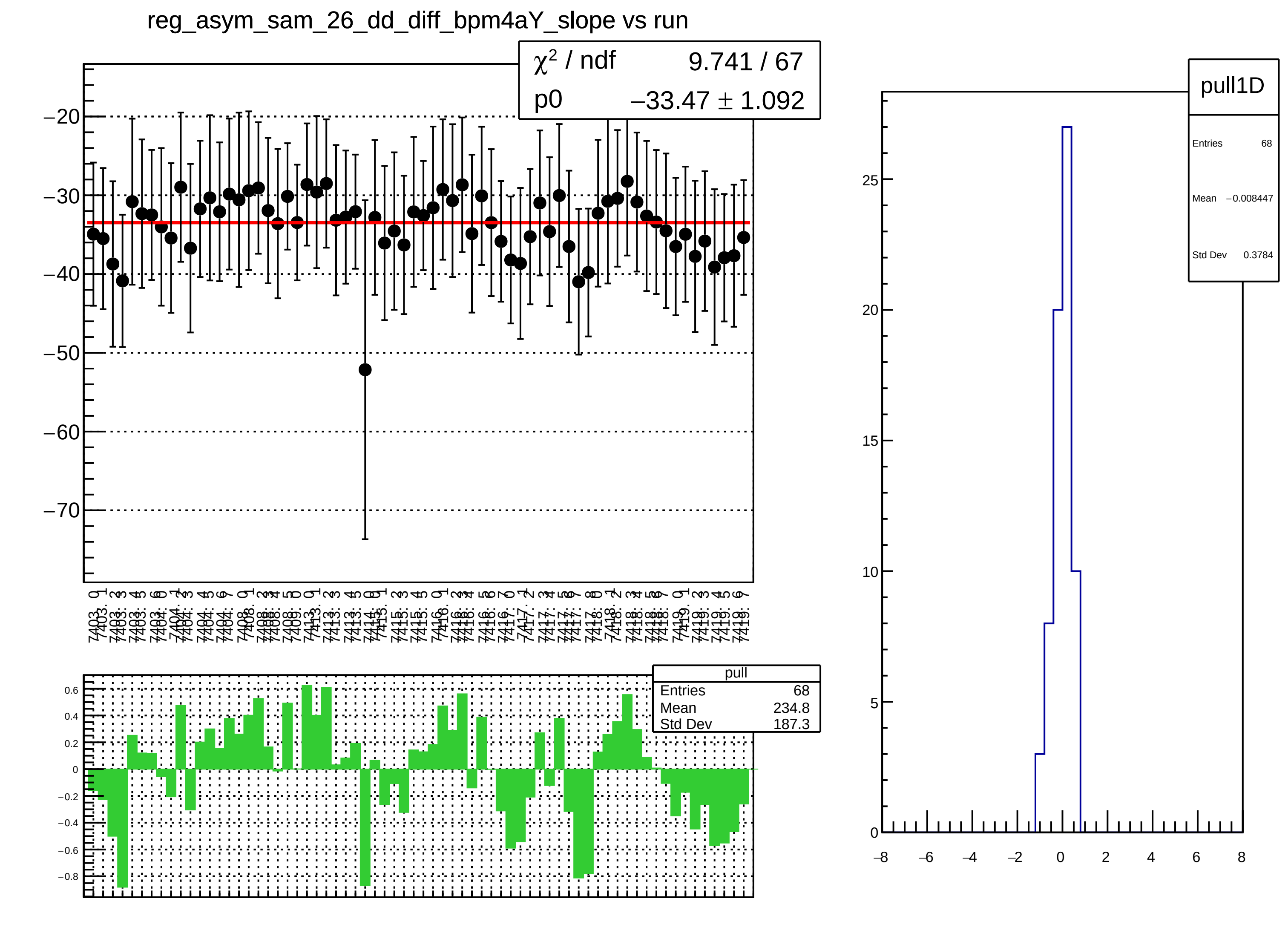
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 58.45 / 67
p0 −27.38 ± 0.3065
−20
−25
−30
−35
−40
pull
Entries 68
Mean 76.8
Std Dev 68.71
pull1D
Entries 68
Mean −0.04135
Std Dev 0.9262

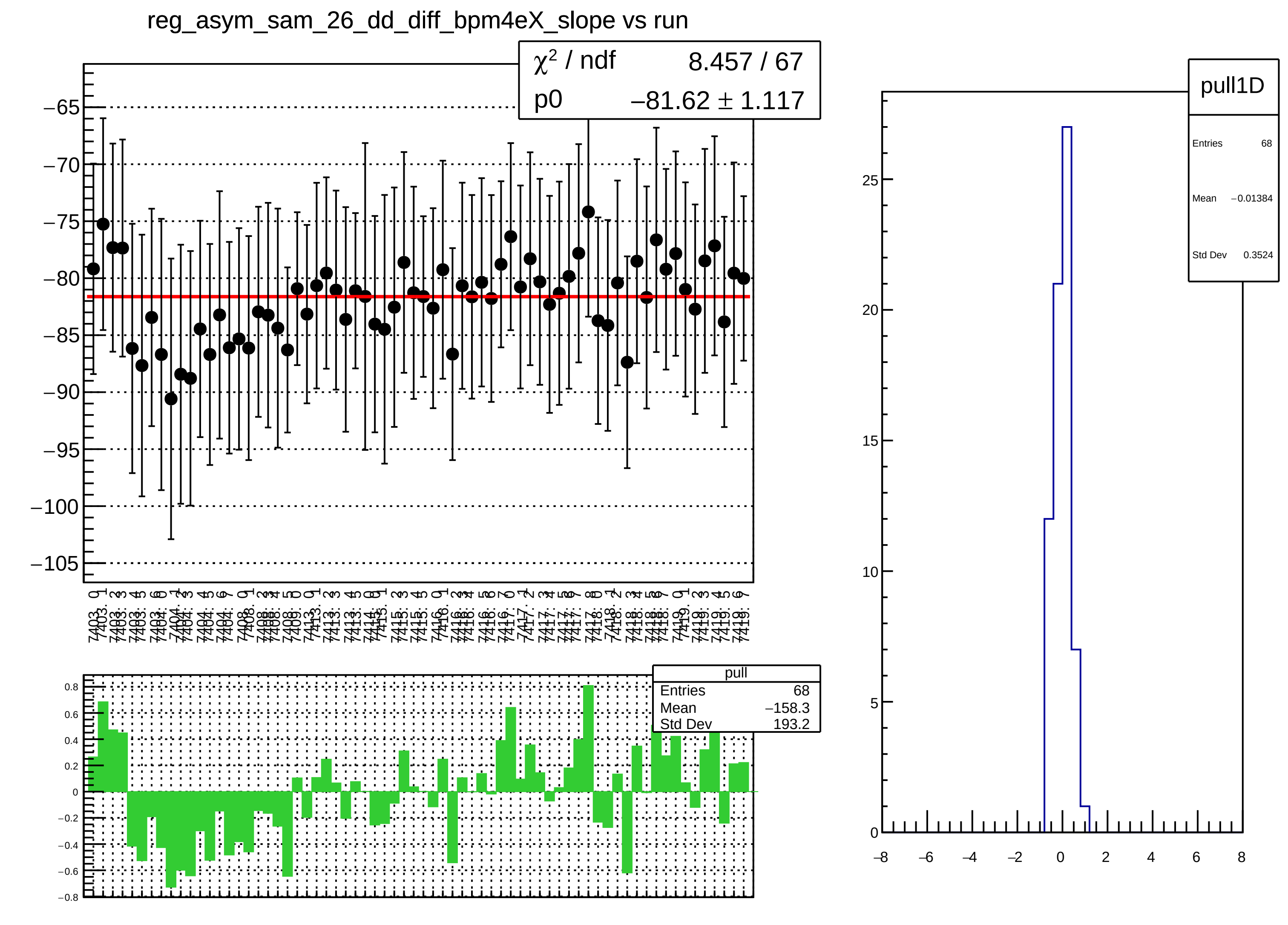


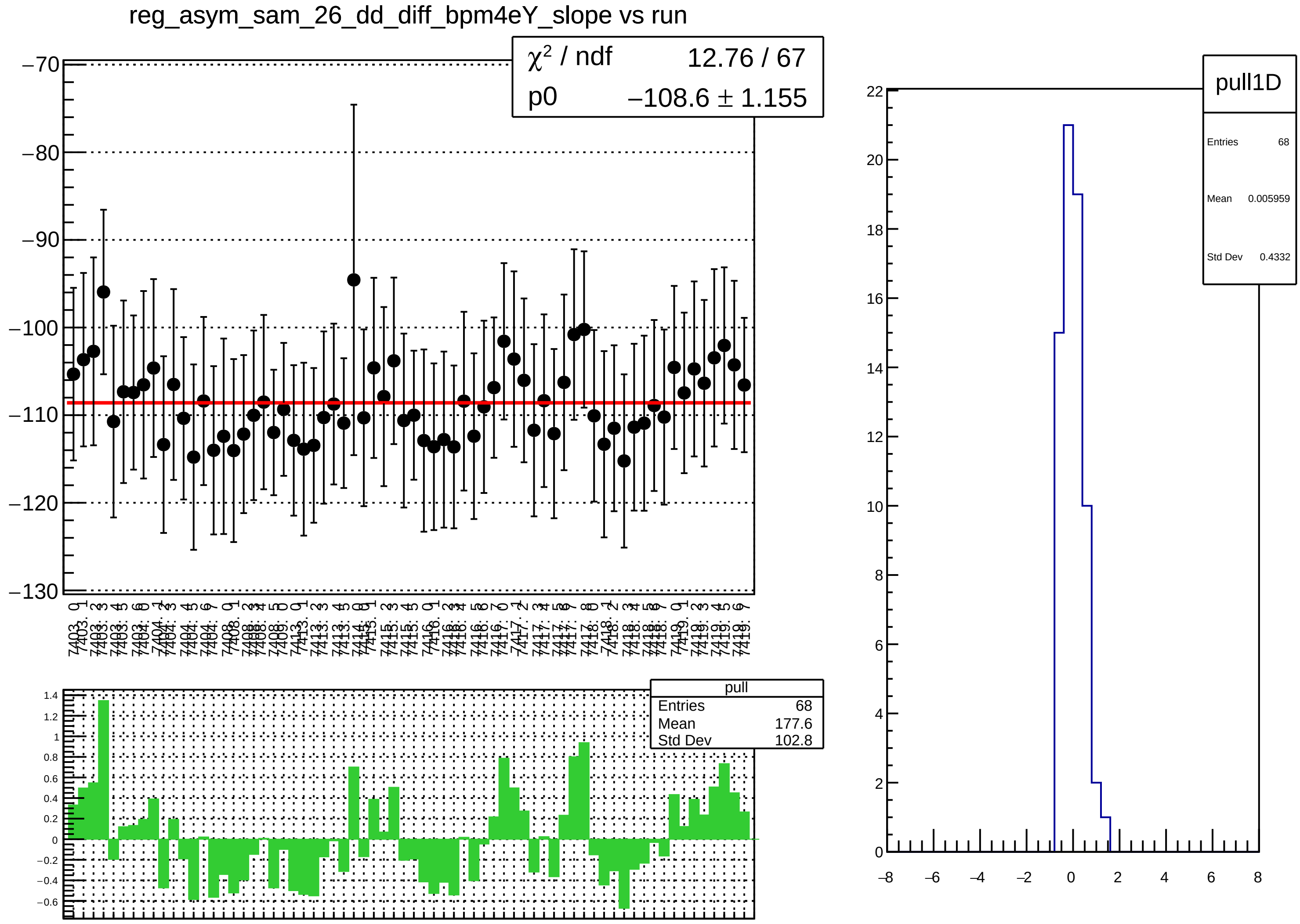
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.797 / 67
p0 0.5193 ± 0.01354
pull
Entries 68
Mean 618.5
Std Dev 583
pull1D
Entries 68
Mean 0.004889
Std Dev 0.3386



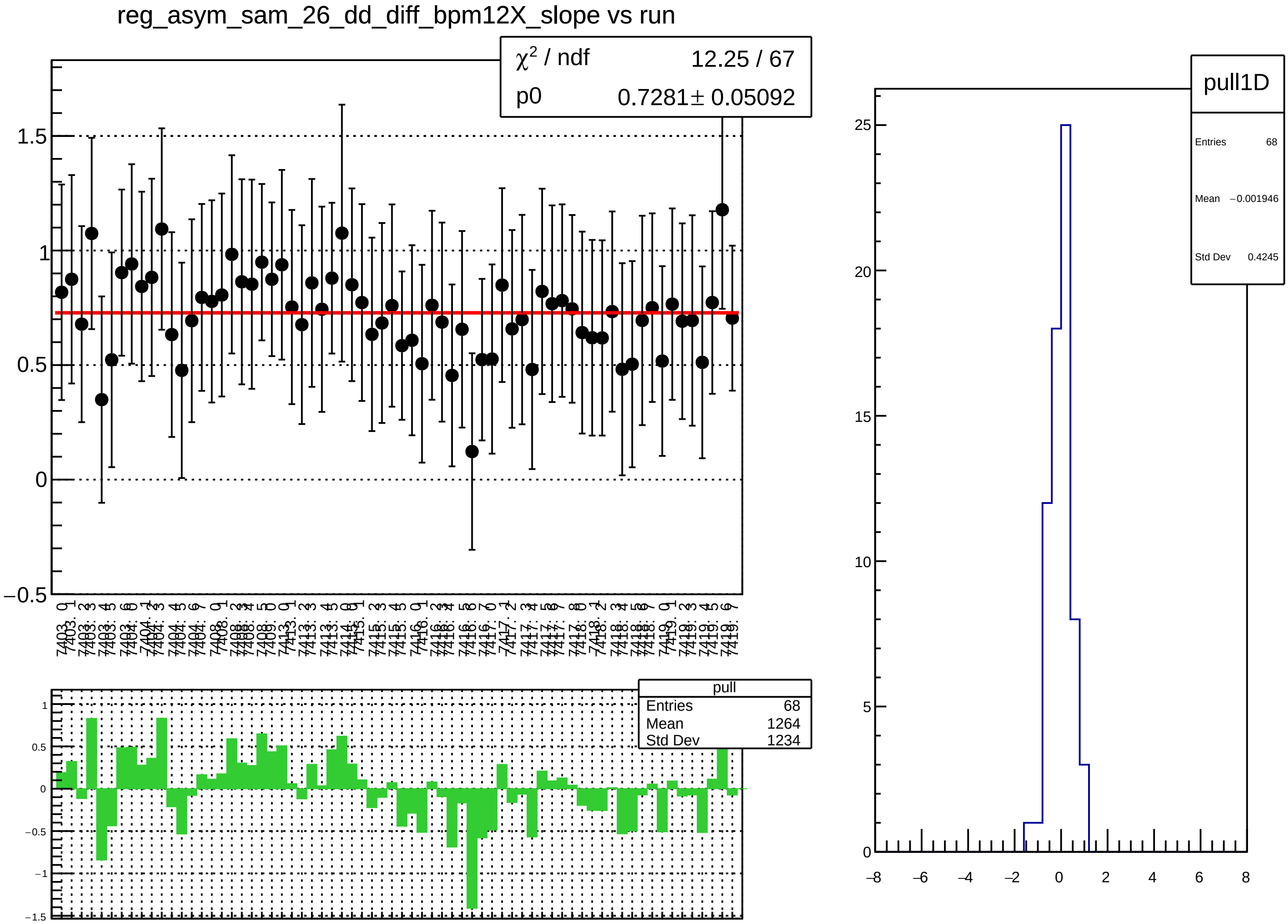
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 11.11 / 67
p0 −38.85 ± 1.074
pull
Entries 68
Mean −229.4
Std Dev 264
pull1D
Entries 68
Mean 0.01653
Std Dev 0.4039

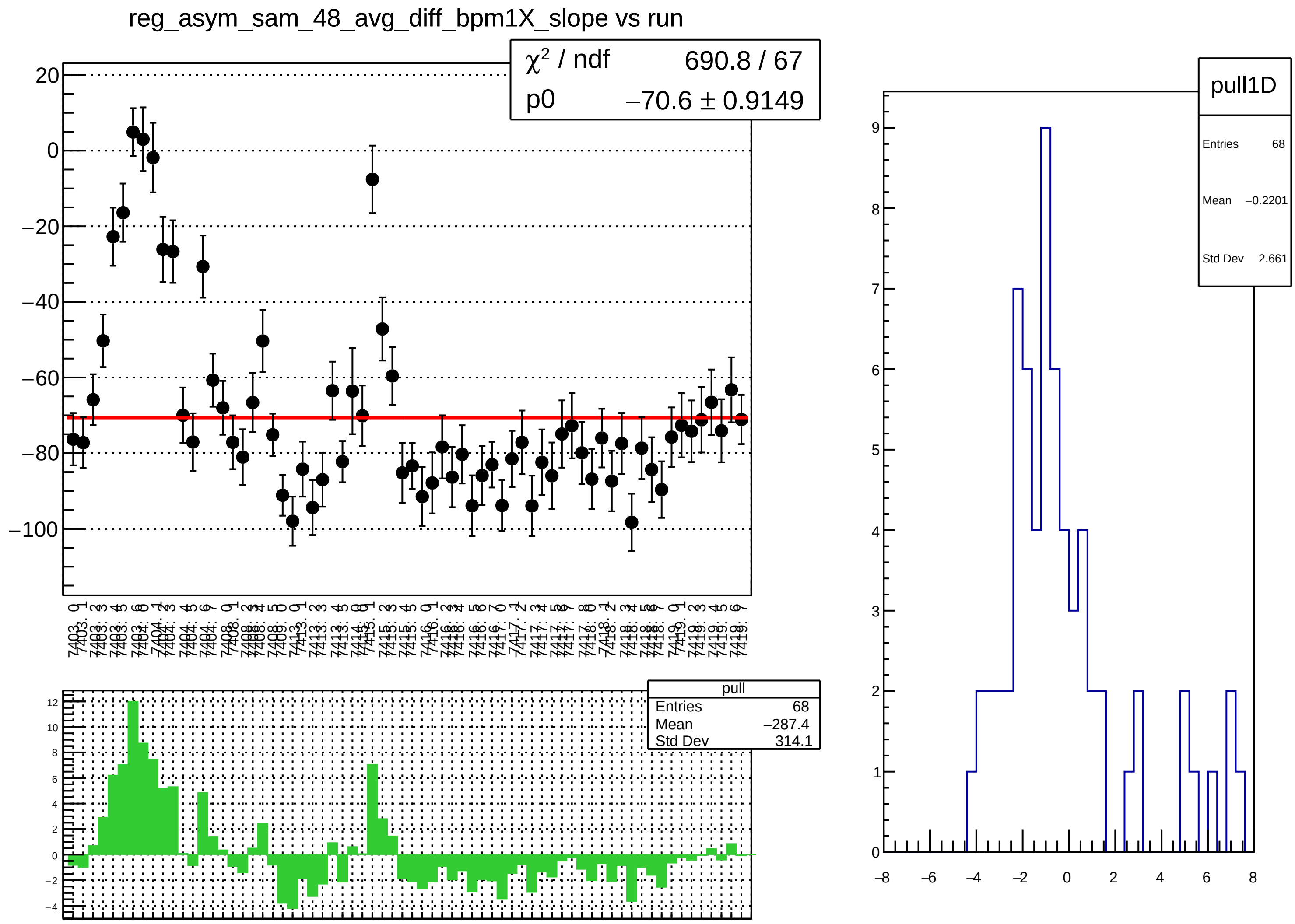

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.741 / 67
p0 −33.47 ± 1.092
pull
Entries 68
Mean 234.8
Std Dev 187.3
pull1D
Entries 68
Mean −0.008447
Std Dev 0.3784

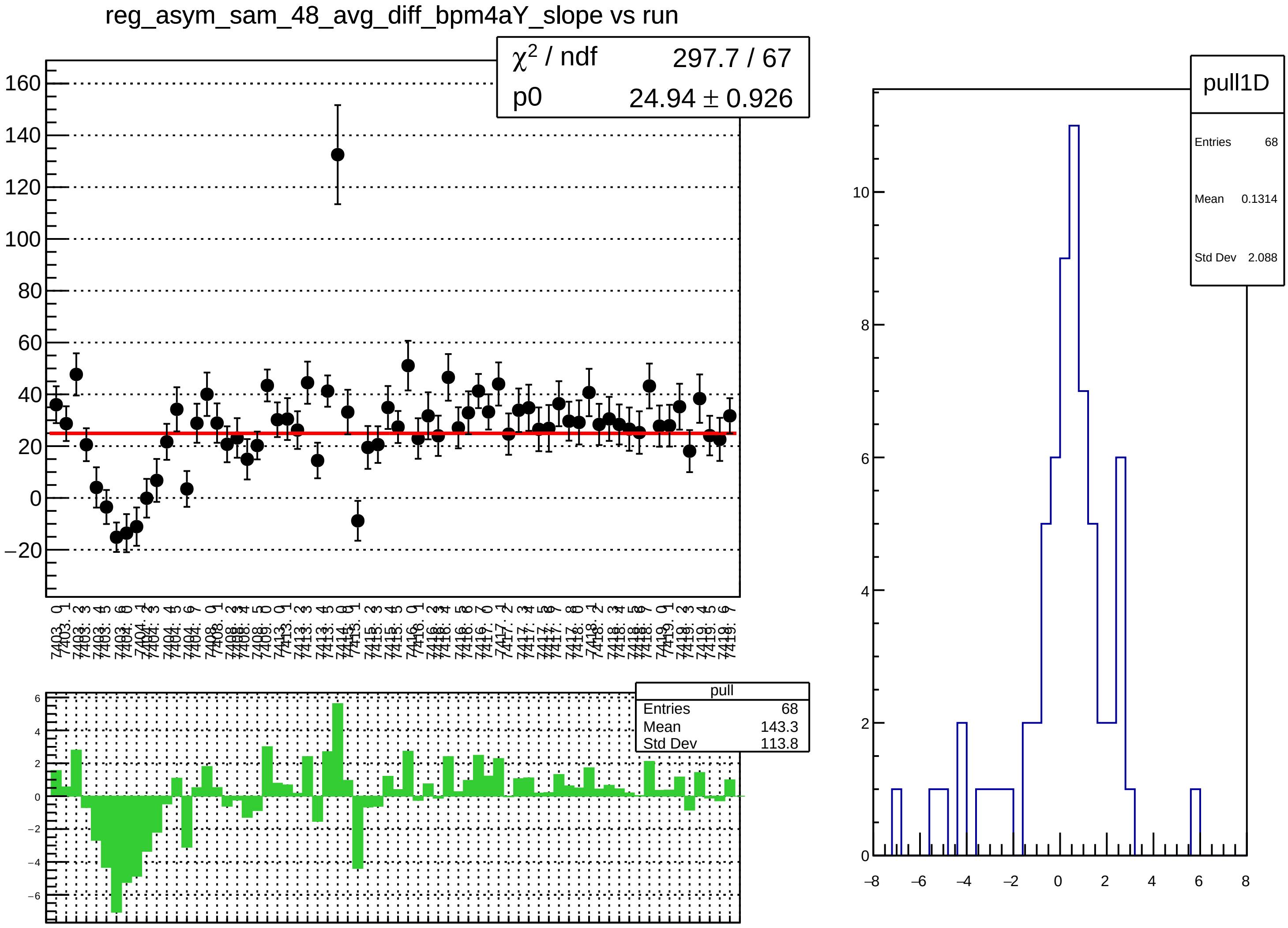

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 8.457 / 67
p0 −81.62 ± 1.117
pull
Entries 68
Mean −158.3
Std Dev 193.2
pull1D
Entries 68
Mean −0.01384
Std Dev 0.3524

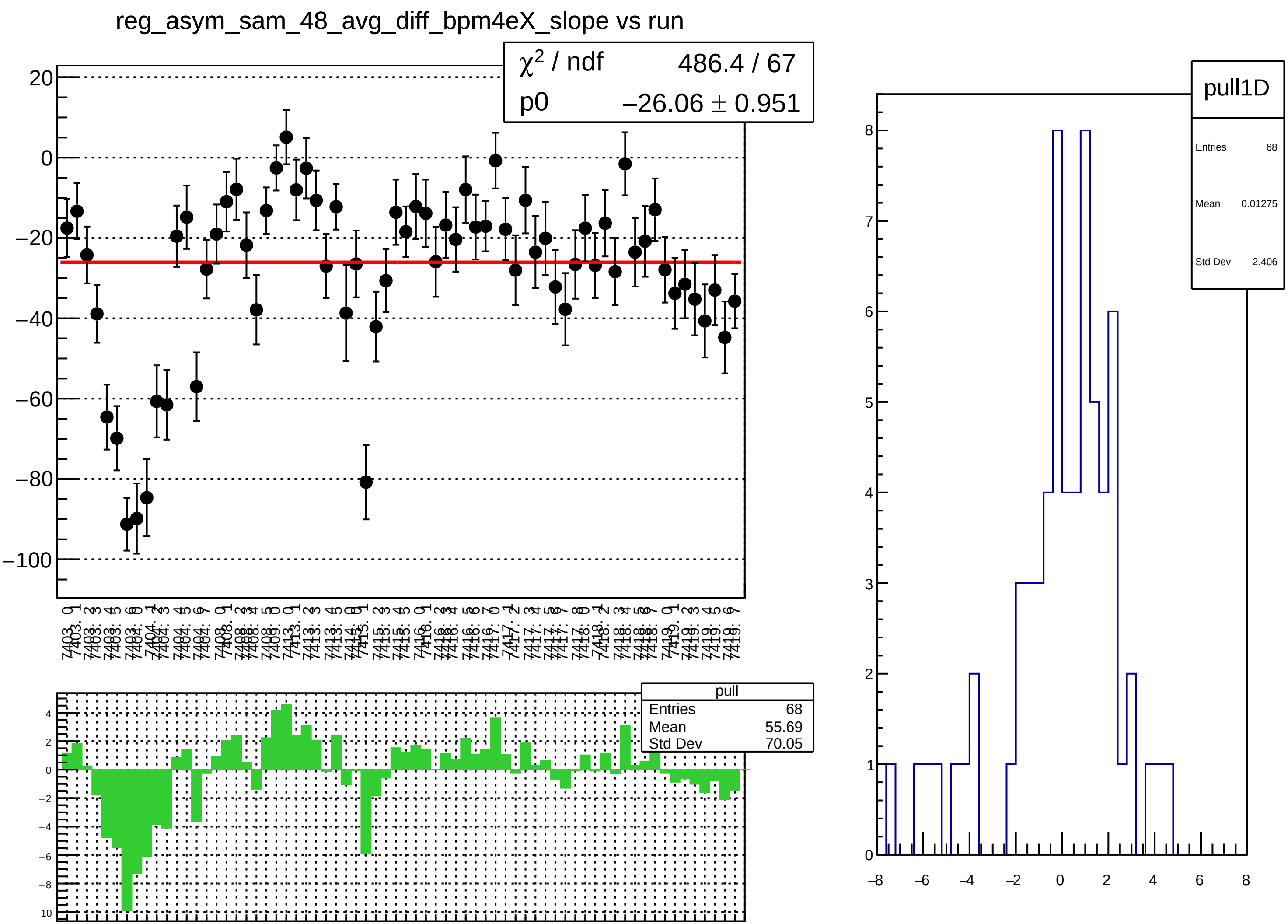


reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 12.76 / 67
p0 −108.6 ± 1.155
pull
Entries 68
Mean 177.6
Std Dev 102.8
pull1D
Entries 68
Mean 0.005959
Std Dev 0.4332

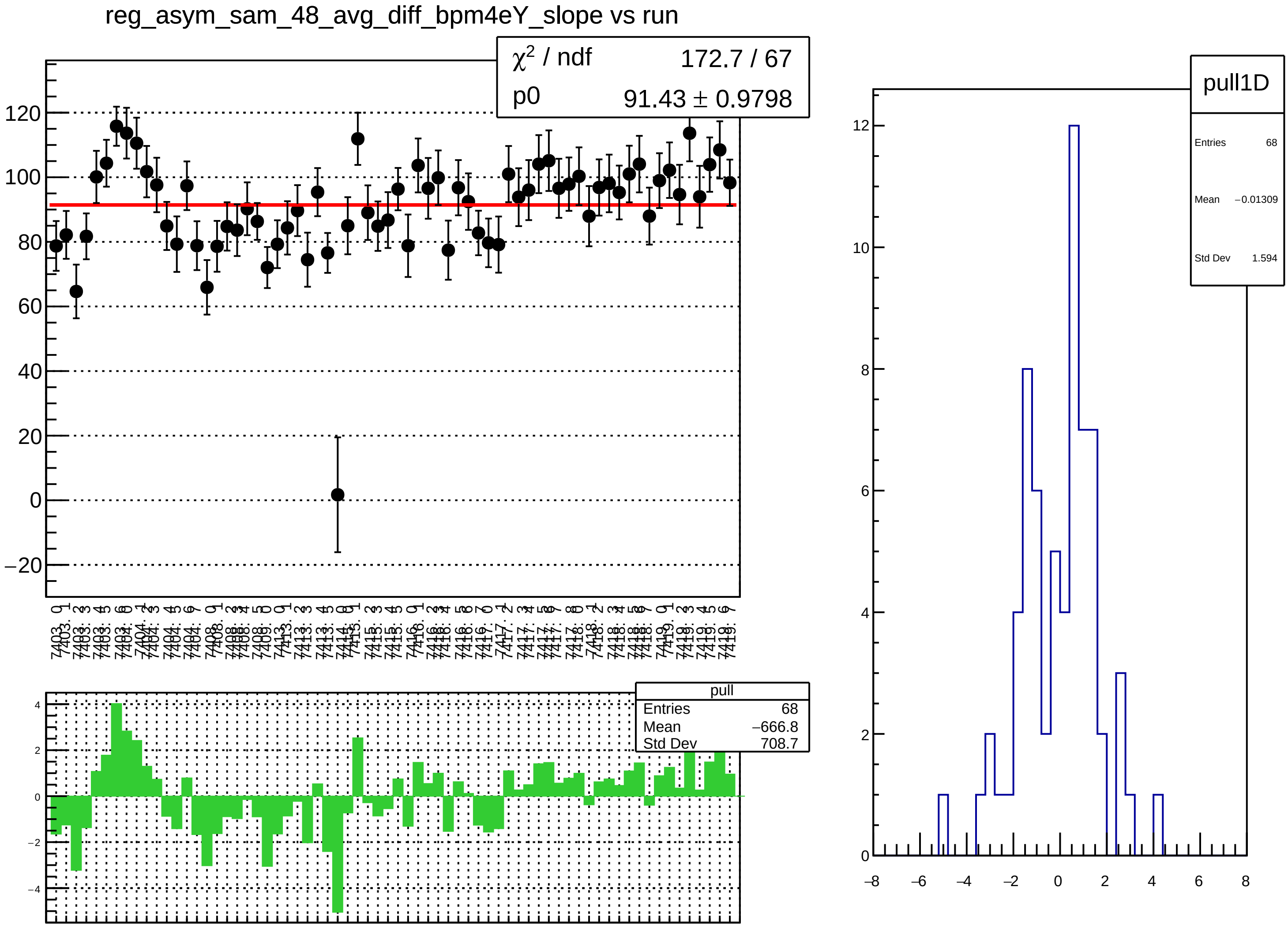

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.25 / 67
p0 0.7281 ± 0.05092
pull
Entries 68
Mean 1264
Std Dev 1234
pull1D
Entries 68
Mean −0.001946
Std Dev 0.4245

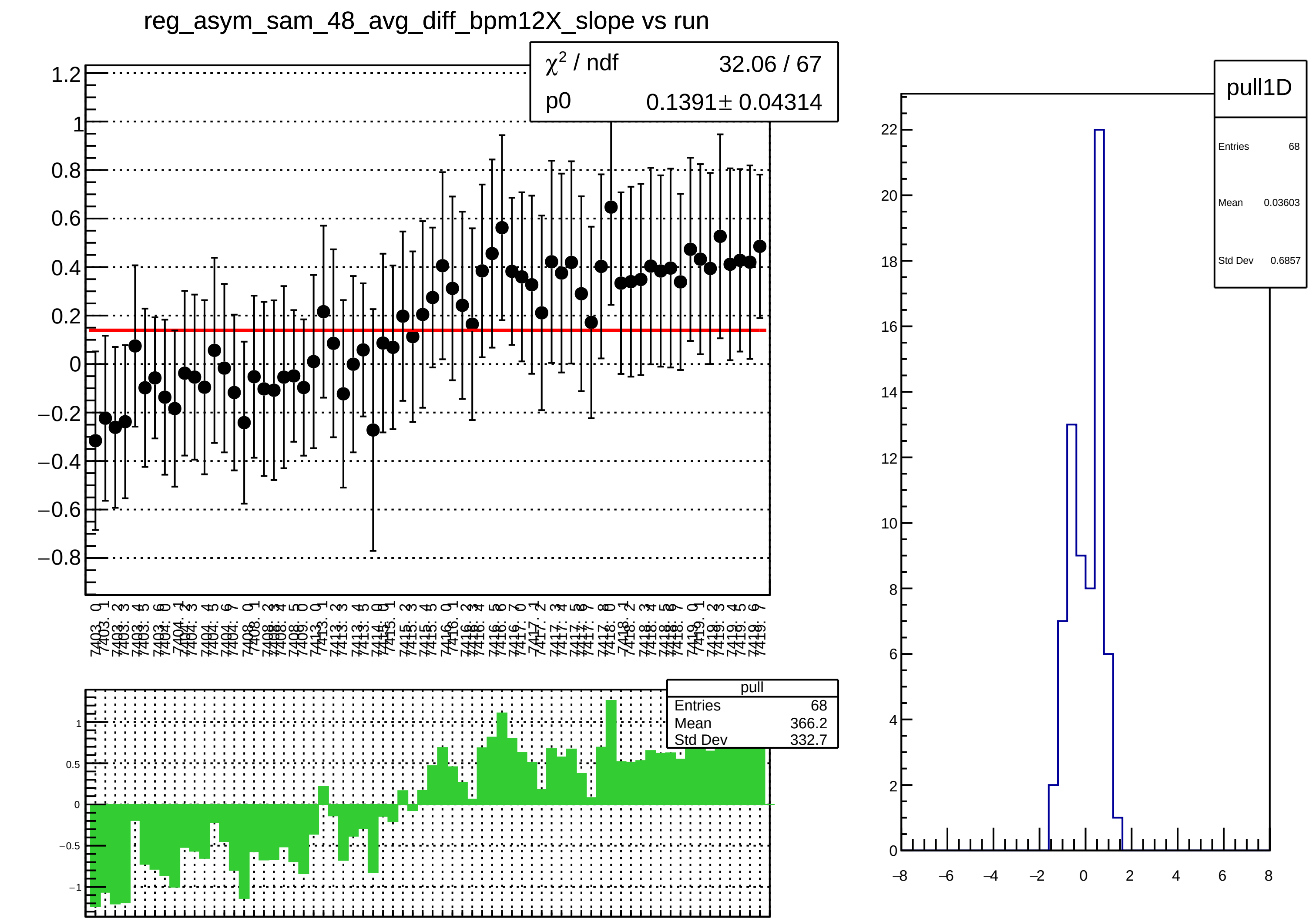

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 690.8 / 67
p0 −70.6 ± 0.9149
pull
Entries 68
Mean −287.4
Std Dev 314.1
pull1D
Entries 68
Mean −0.2201
Std Dev 2.661


reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 297.7 / 67
p0 24.94 ± 0.926
pull
Entries 68
Mean 143.3
Std Dev 113.8
pull1D
Entries 68
Mean 0.1314
Std Dev 2.088

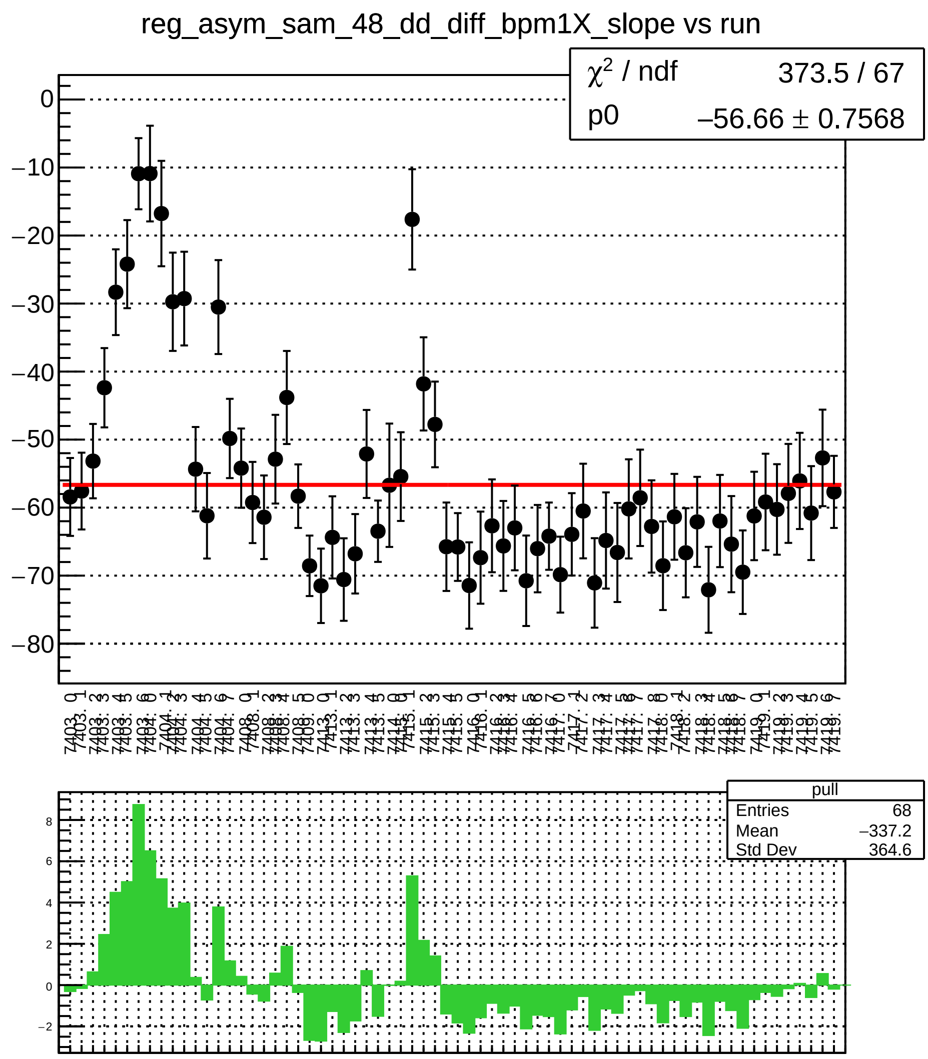


reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ2 / ndf 486.4 / 67
p0 −26.06 ± 0.951
pull
Entries 68
Mean −55.69
Std Dev 70.05
pull1D
Entries 68
Mean 0.01275
Std Dev 2.406

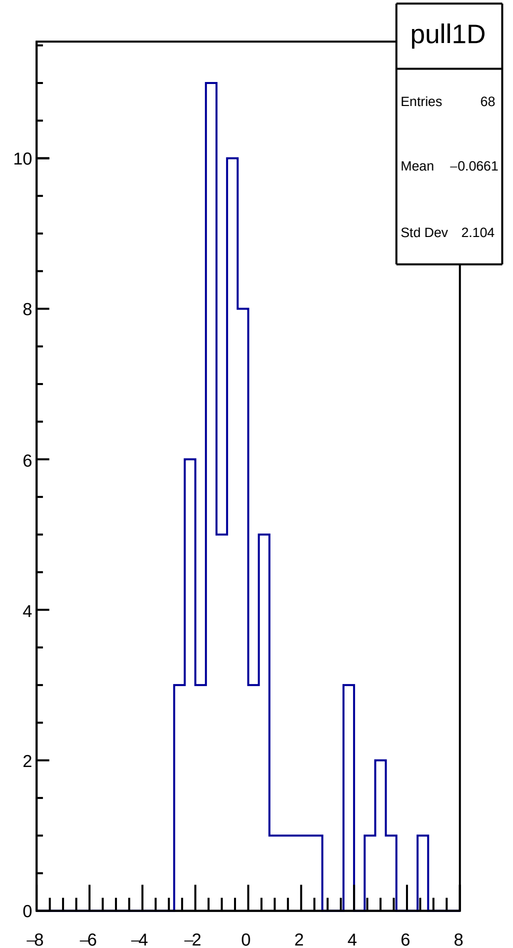

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 172.7 / 67
p0 91.43 ± 0.9798
pull
Entries 68
Mean −666.8
Std Dev 708.7
pull1D
Entries 68
Mean −0.01309
Std Dev 1.594



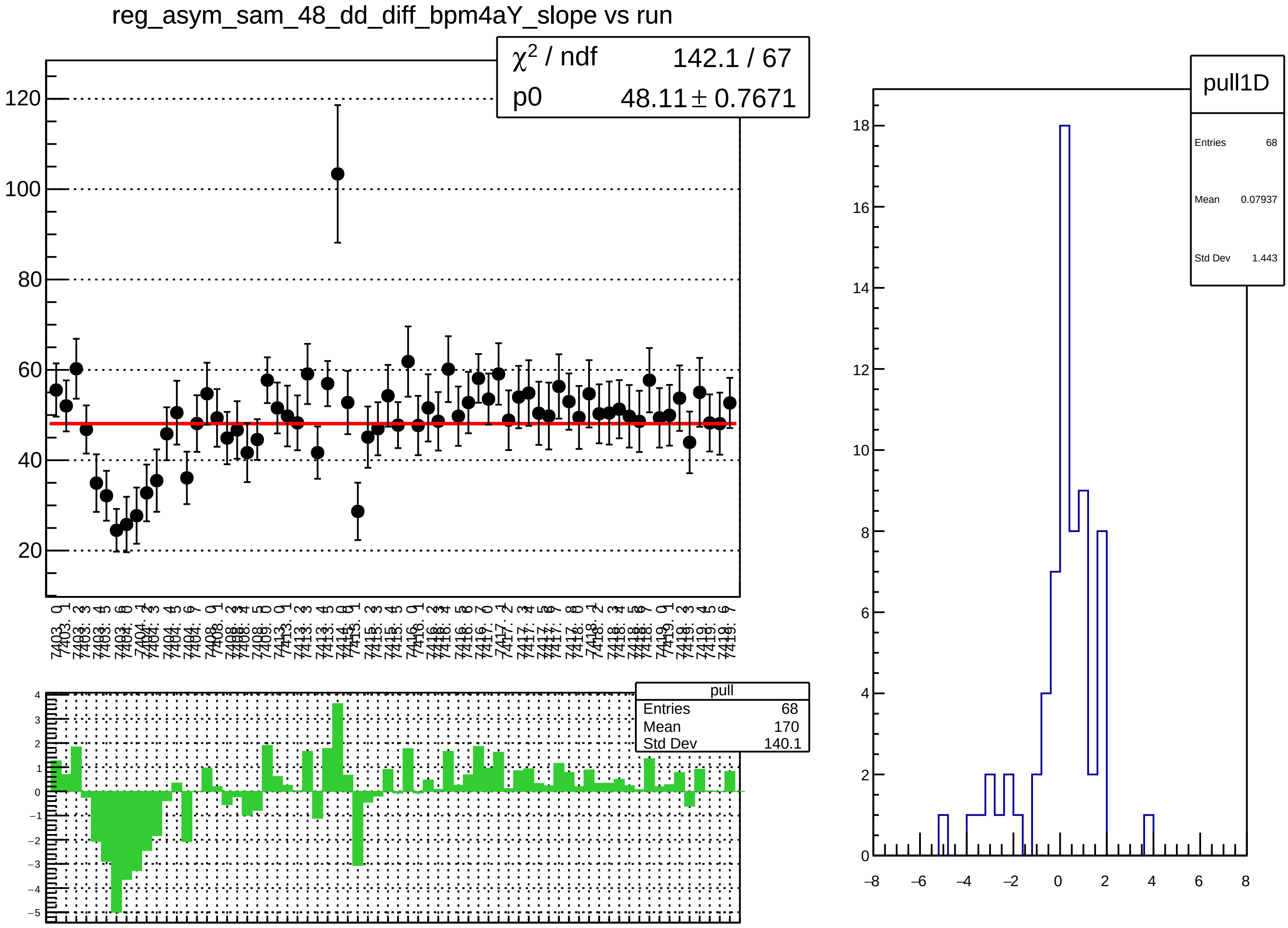
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 32.06 / 67
p0 0.1391 ± 0.04314
pull
Entries 68
Mean 366.2
Std Dev 332.7
pull1D
Entries 68
Mean 0.03603
Std Dev 0.6857



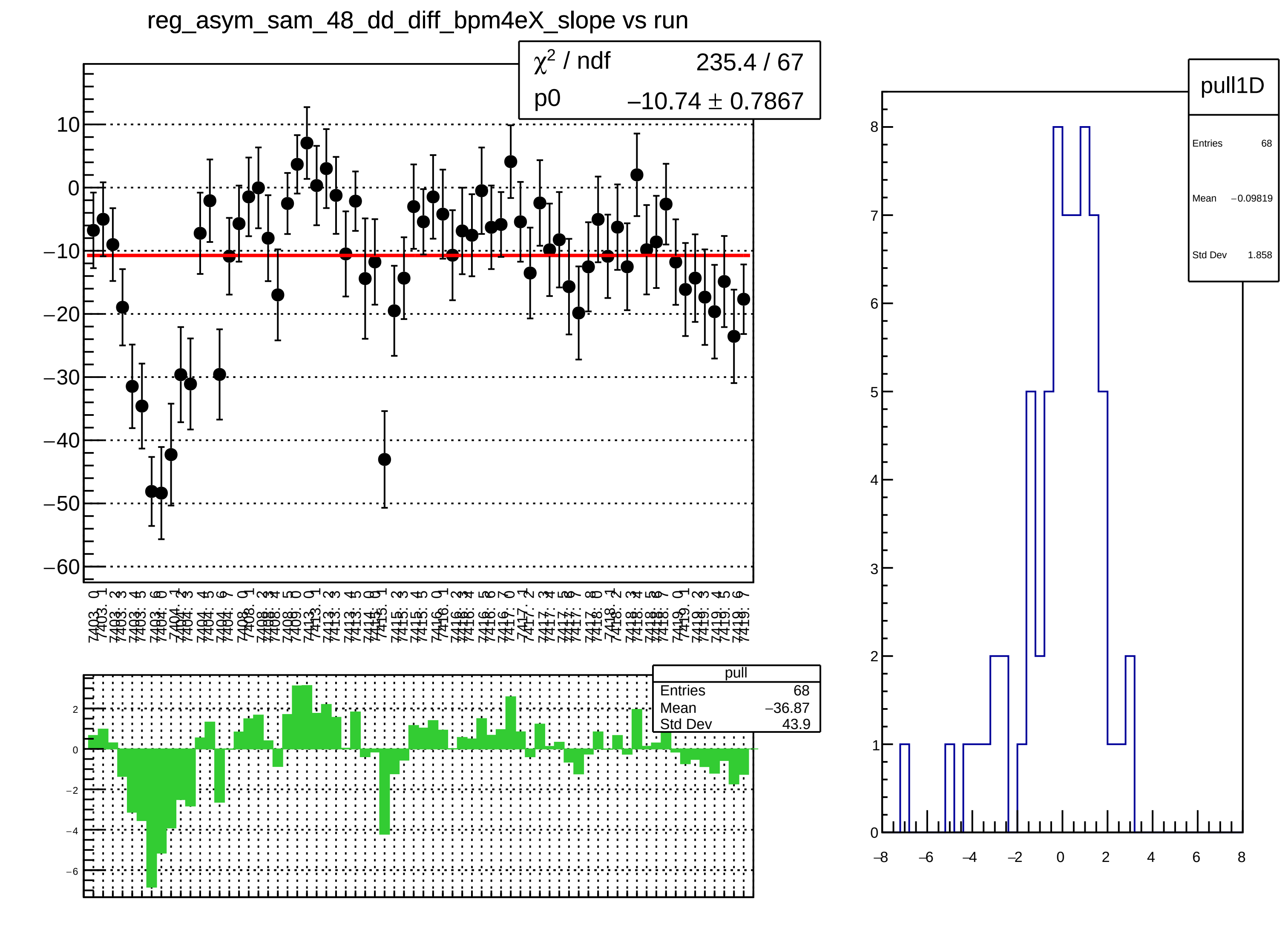
reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 373.5 / 67
p0 −56.66 ± 0.7568
pull
Entries 68
Mean −337.2
Std Dev 364.6



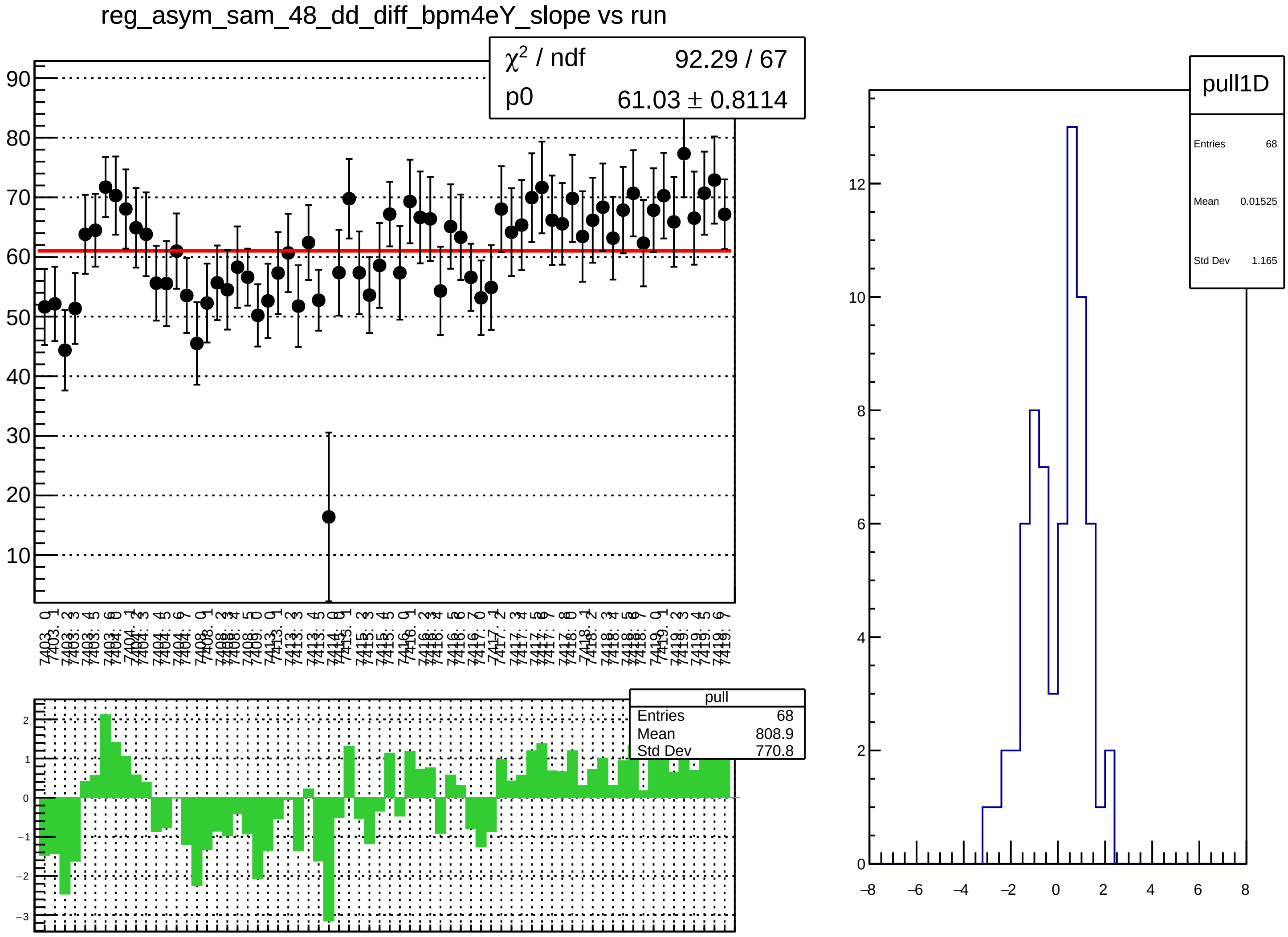
pull1D
Entries 68
Mean −0.0661
Std Dev 2.104



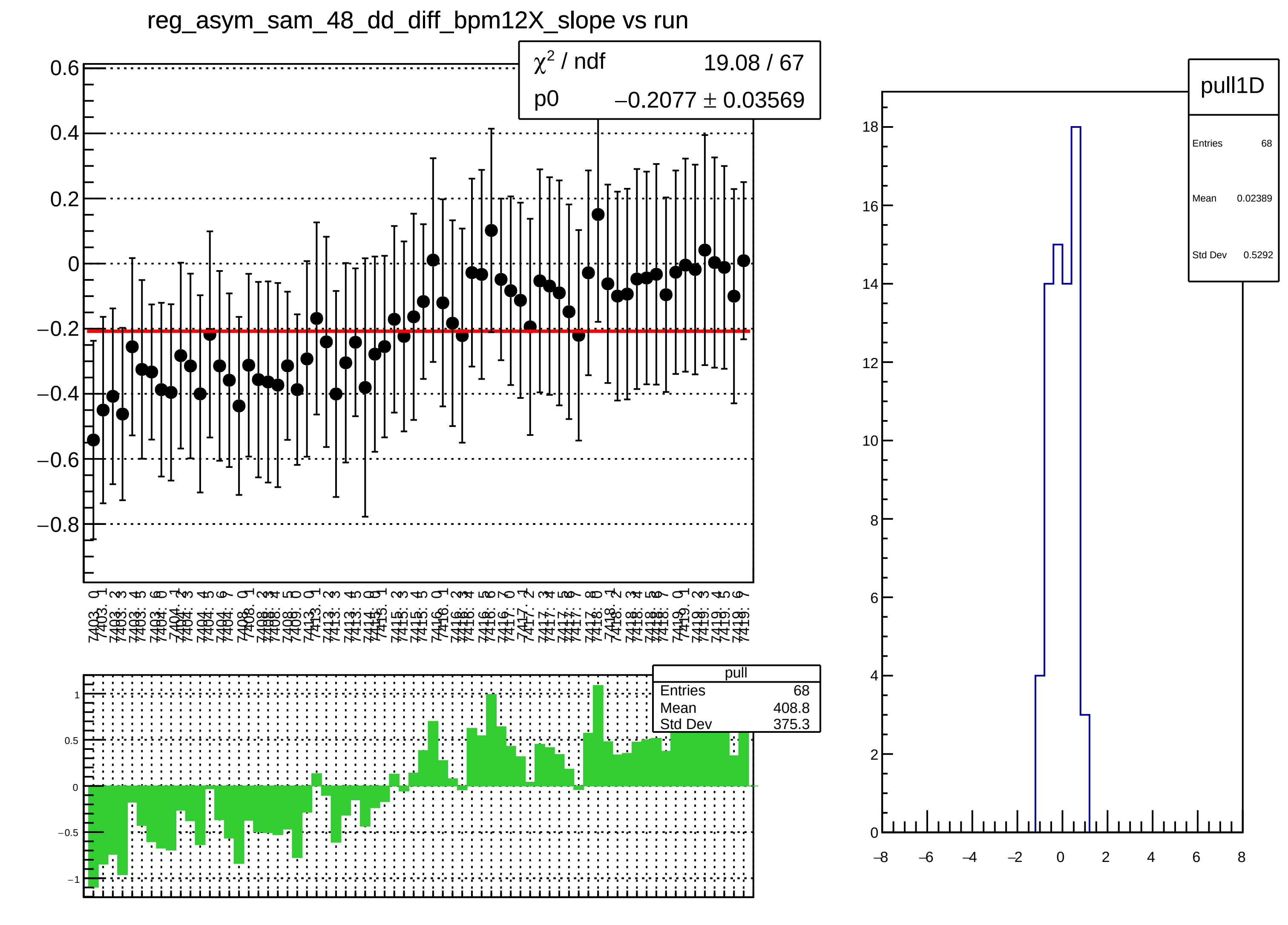
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 142.1 / 67
p0 48.11 ± 0.7671
pull
Entries 68
Mean 170
Std Dev 140.1
pull1D
Entries 68
Mean 0.07937
Std Dev 1.443



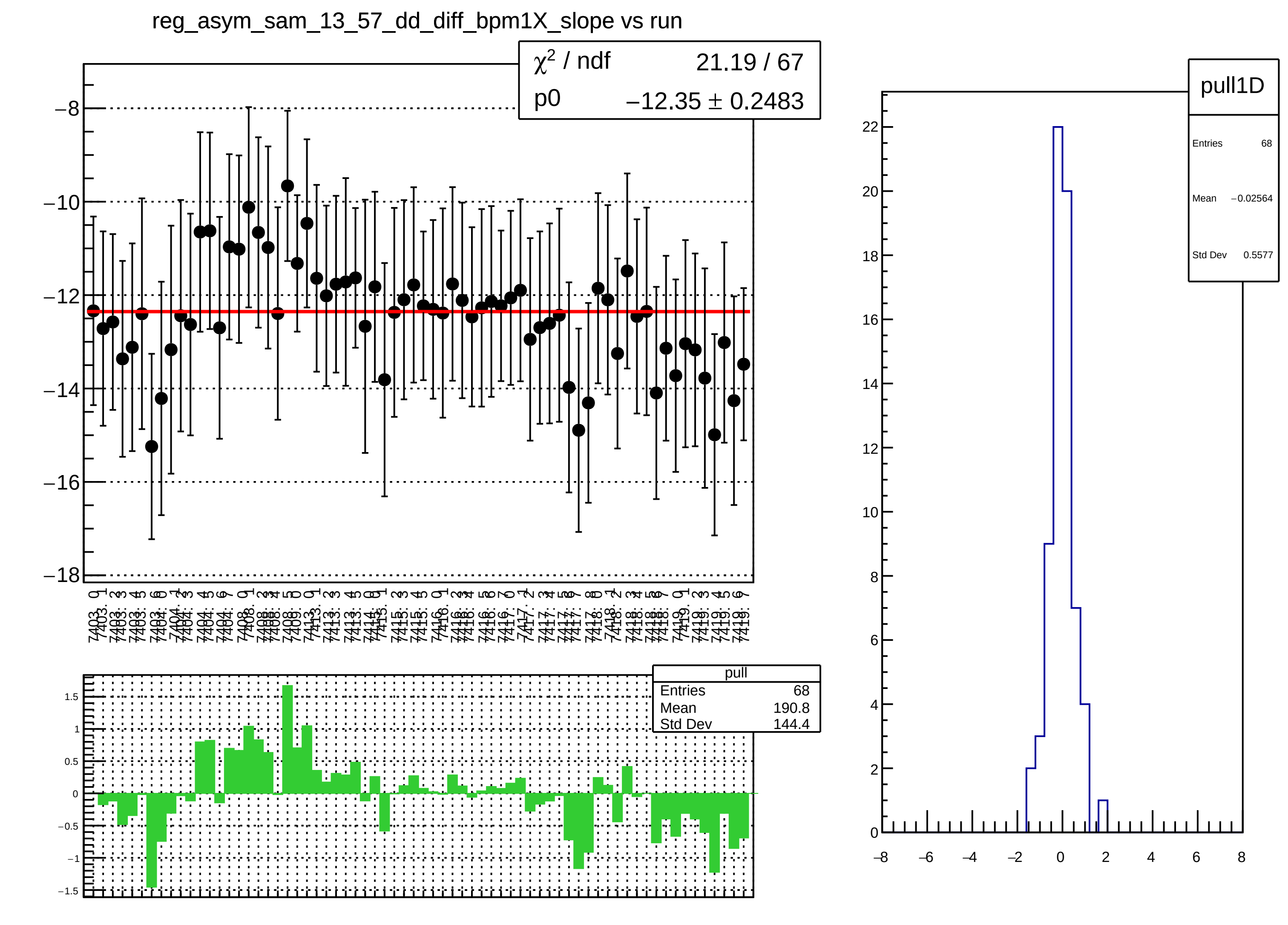
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 235.4 / 67
p0 −10.74 ± 0.7867
pull
Entries 68
Mean −36.87
Std Dev 43.9
pull1D
Entries 68
Mean −0.09819
Std Dev 1.858



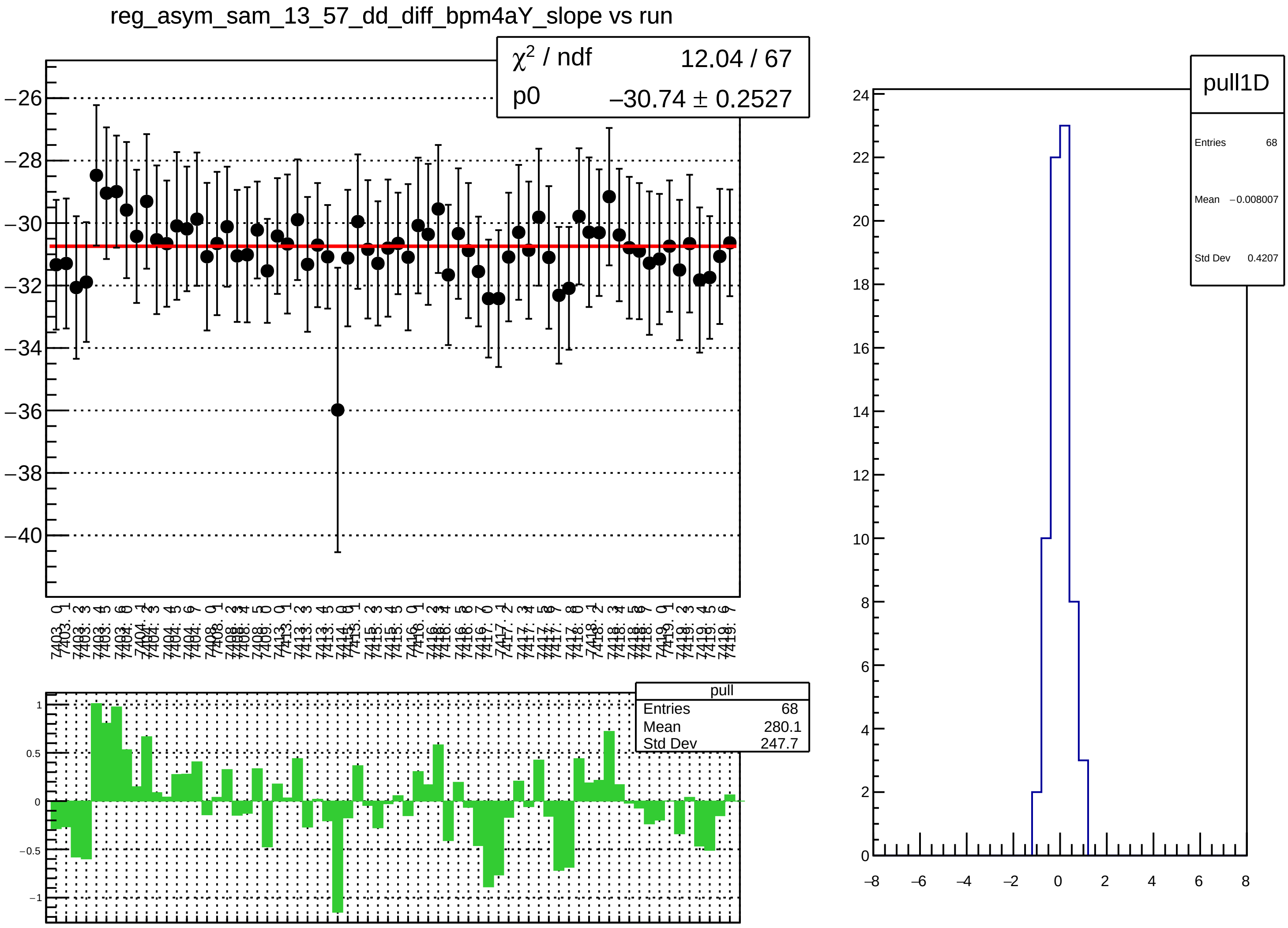
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 92.29 / 67
p0 61.03 ± 0.8114
pull
Entries 68
Mean 808.9
Std Dev 770.8
pull1D
Entries 68
Mean 0.01525
Std Dev 1.165



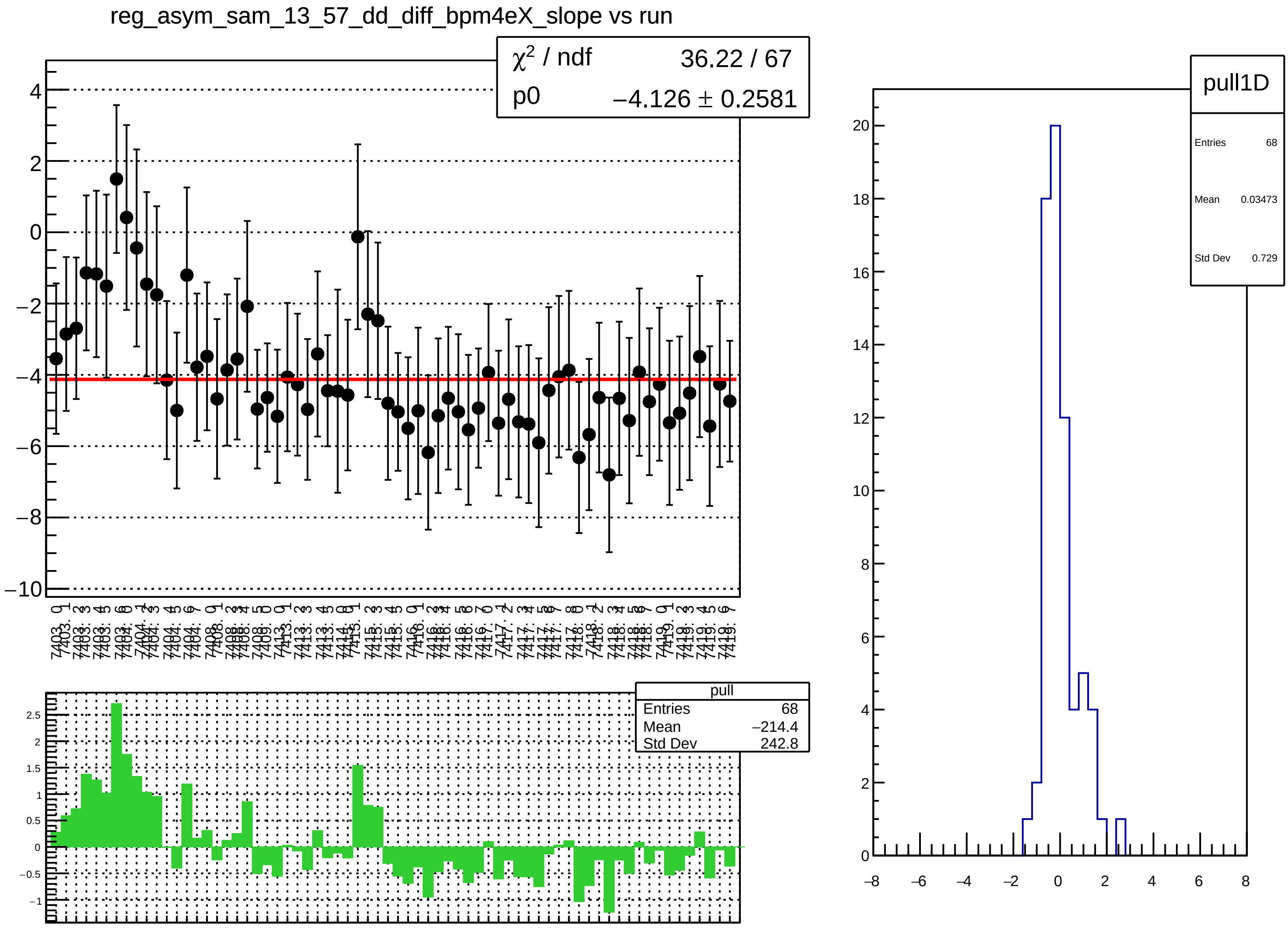
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 19.08 / 67
p0 −0.2077 ± 0.03569
pull
Entries 68
Mean 408.8
Std Dev 375.3
pull1D
Entries 68
Mean 0.02389
Std Dev 0.5292



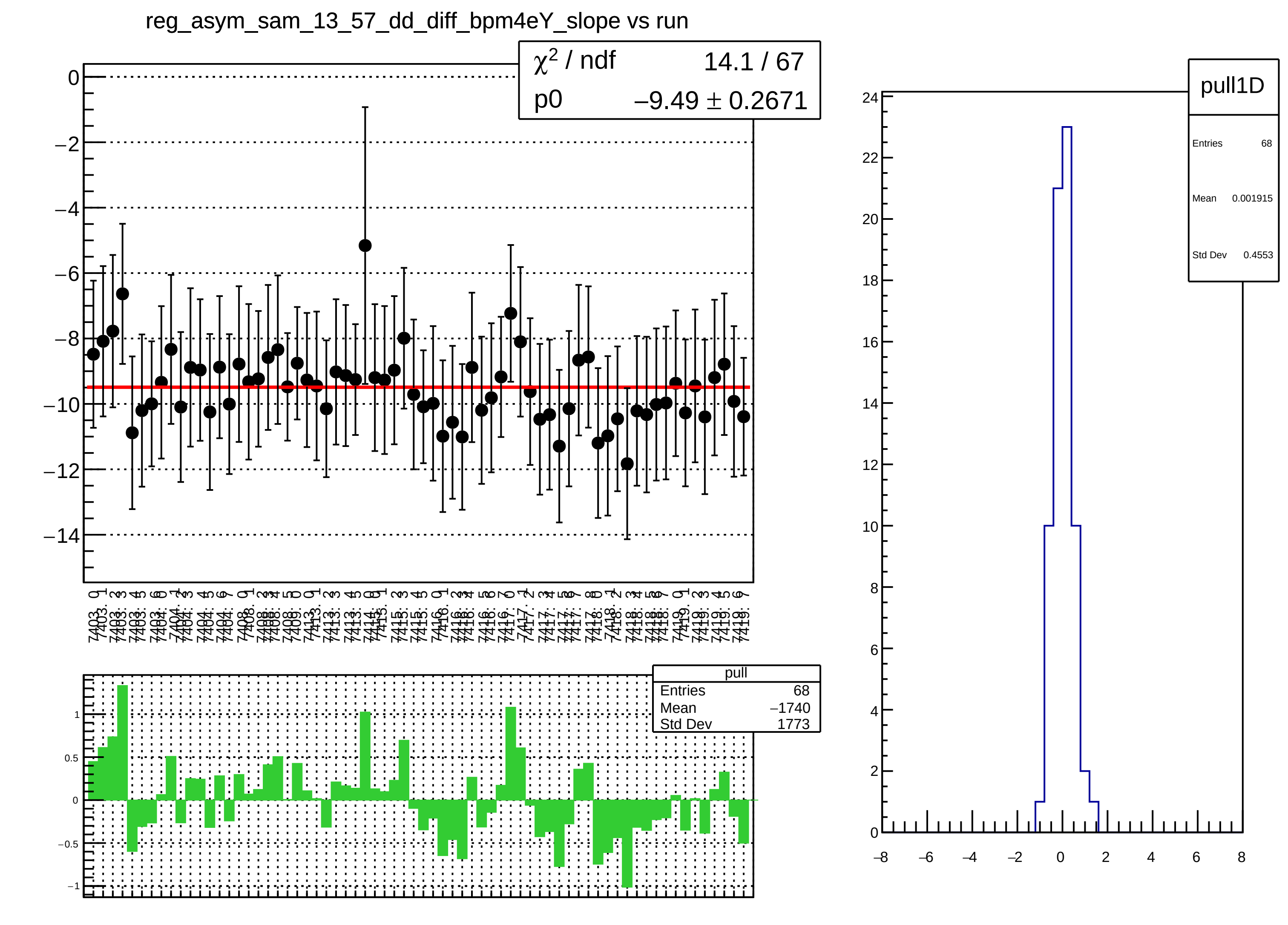
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ2 / ndf 21.19 / 67
p0 −12.35 ± 0.2483
pull
Entries 68
Mean 190.8
Std Dev 144.4
pull1D
Entries 68
Mean −0.02564
Std Dev 0.5577



reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 12.04 / 67
p0 −30.74 ± 0.2527
pull
Entries 68
Mean 280.1
Std Dev 247.7
pull1D
Entries 68
Mean −0.008007
Std Dev 0.4207

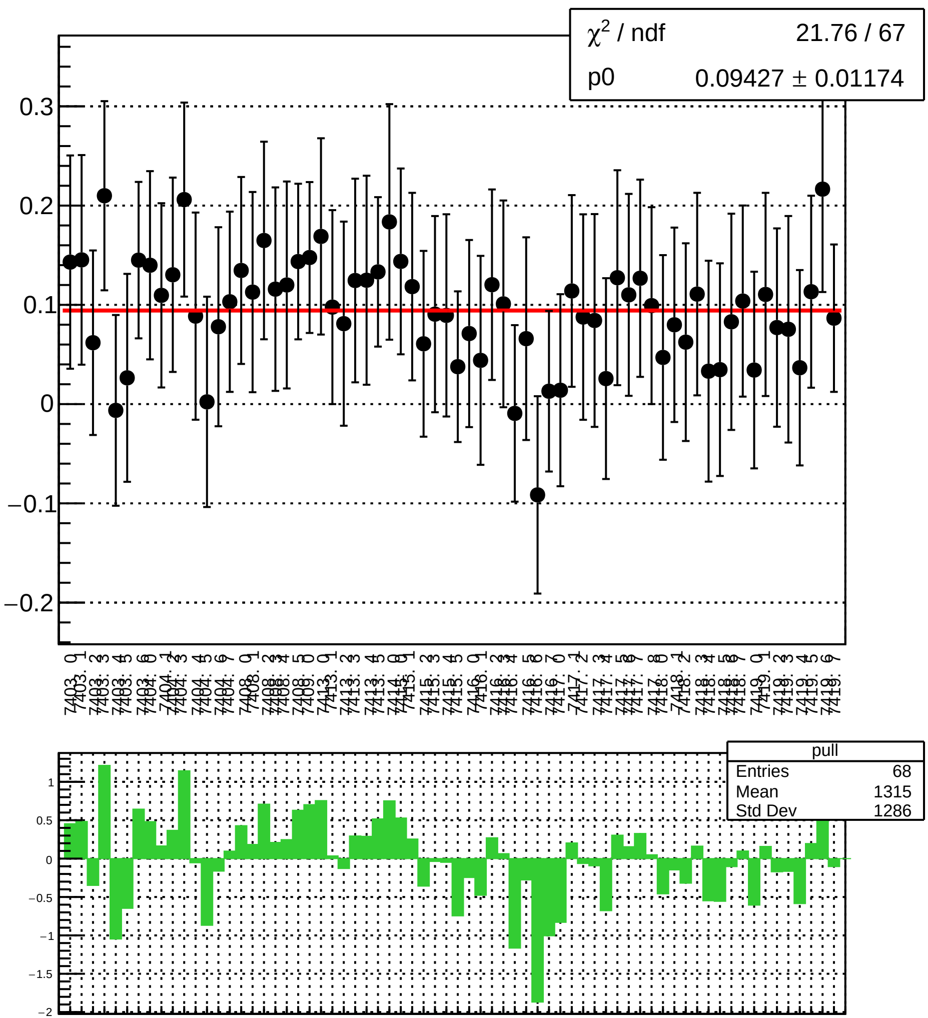


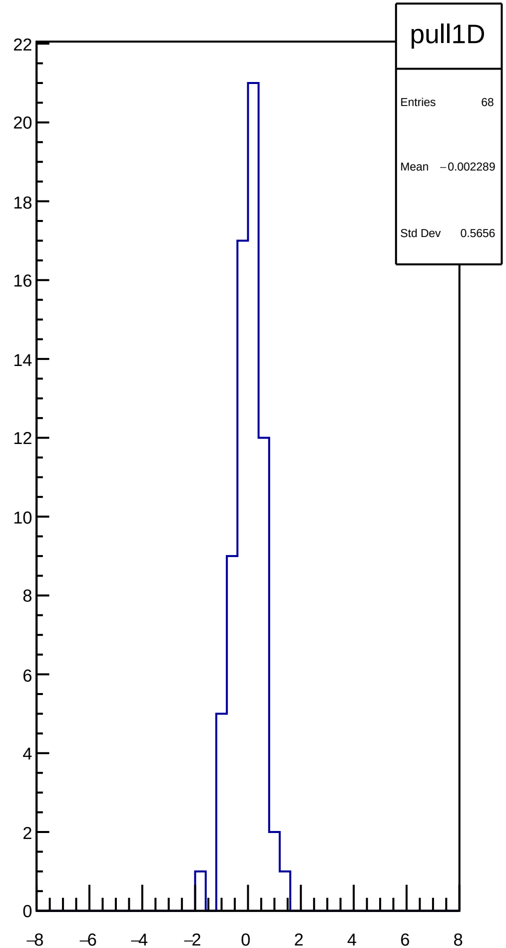
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 36.22 / 67
p0 −4.126 ± 0.2581
pull
Entries 68
Mean −214.4
Std Dev 242.8
pull1D
Entries 68
Mean 0.03473
Std Dev 0.729

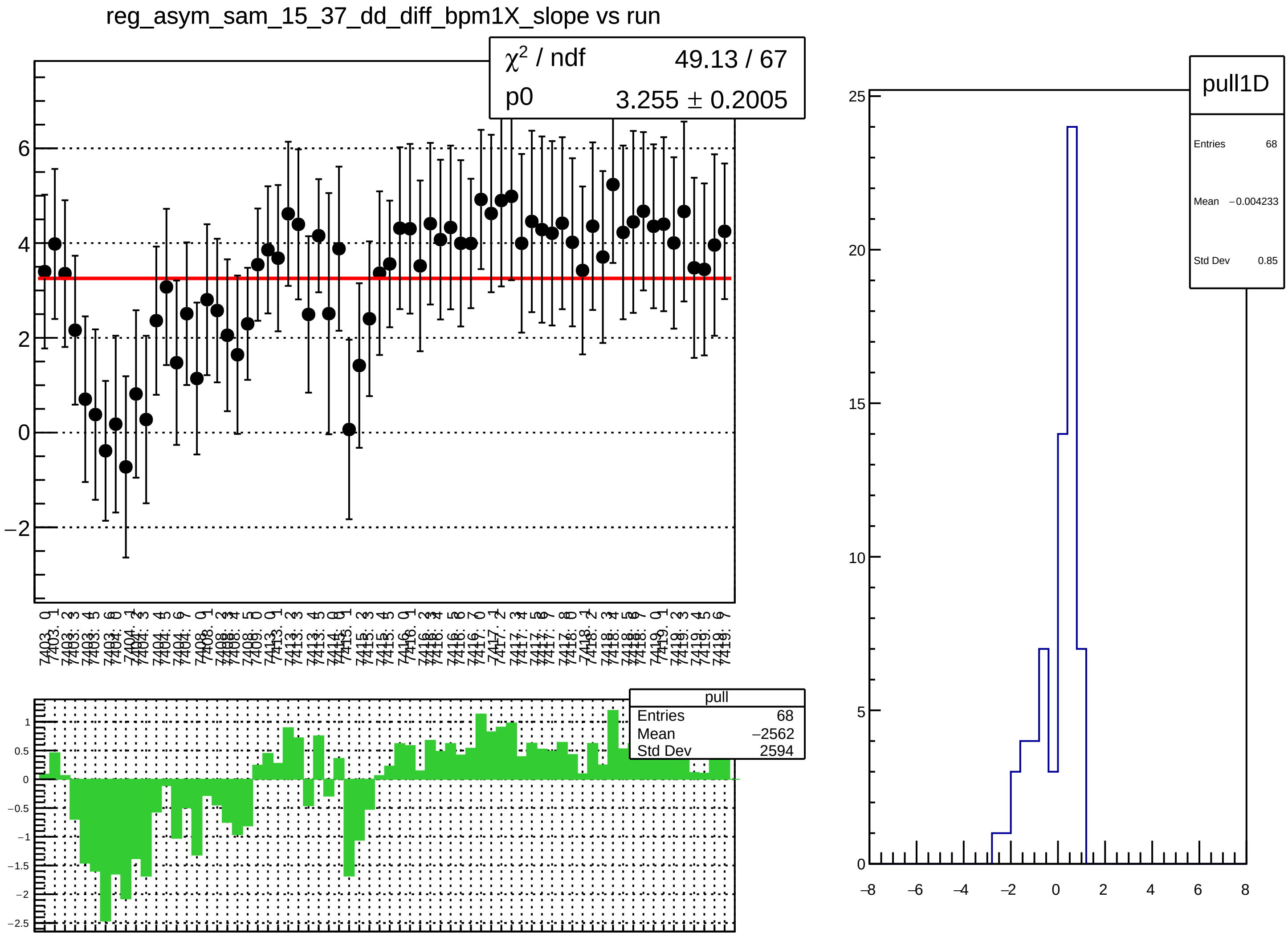


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.1 / 67
p0 −9.49 ± 0.2671
pull
Entries 68
Mean −1740
Std Dev 1773
pull1D
Entries 68
Mean 0.001915
Std Dev 0.4553

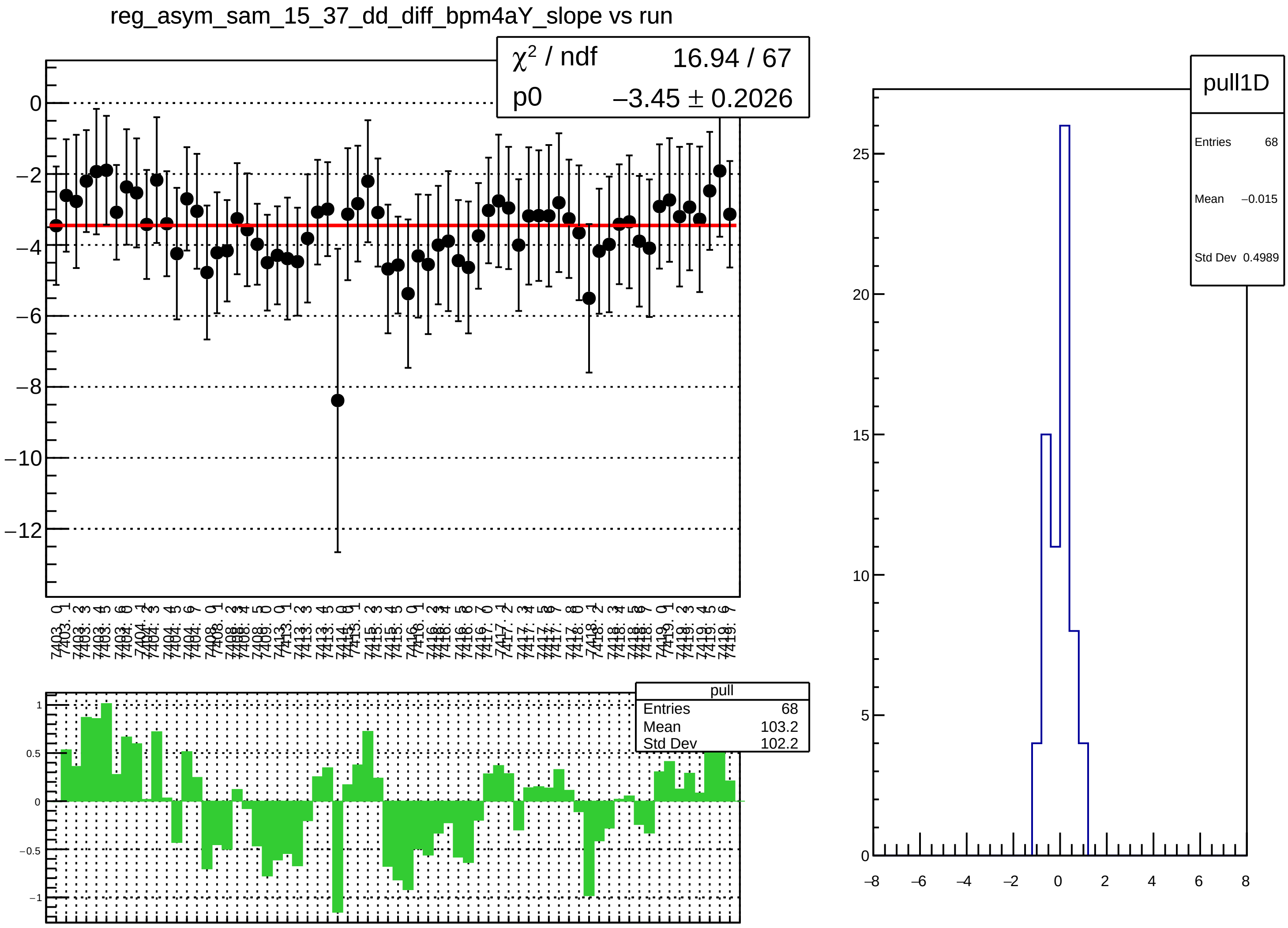
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run

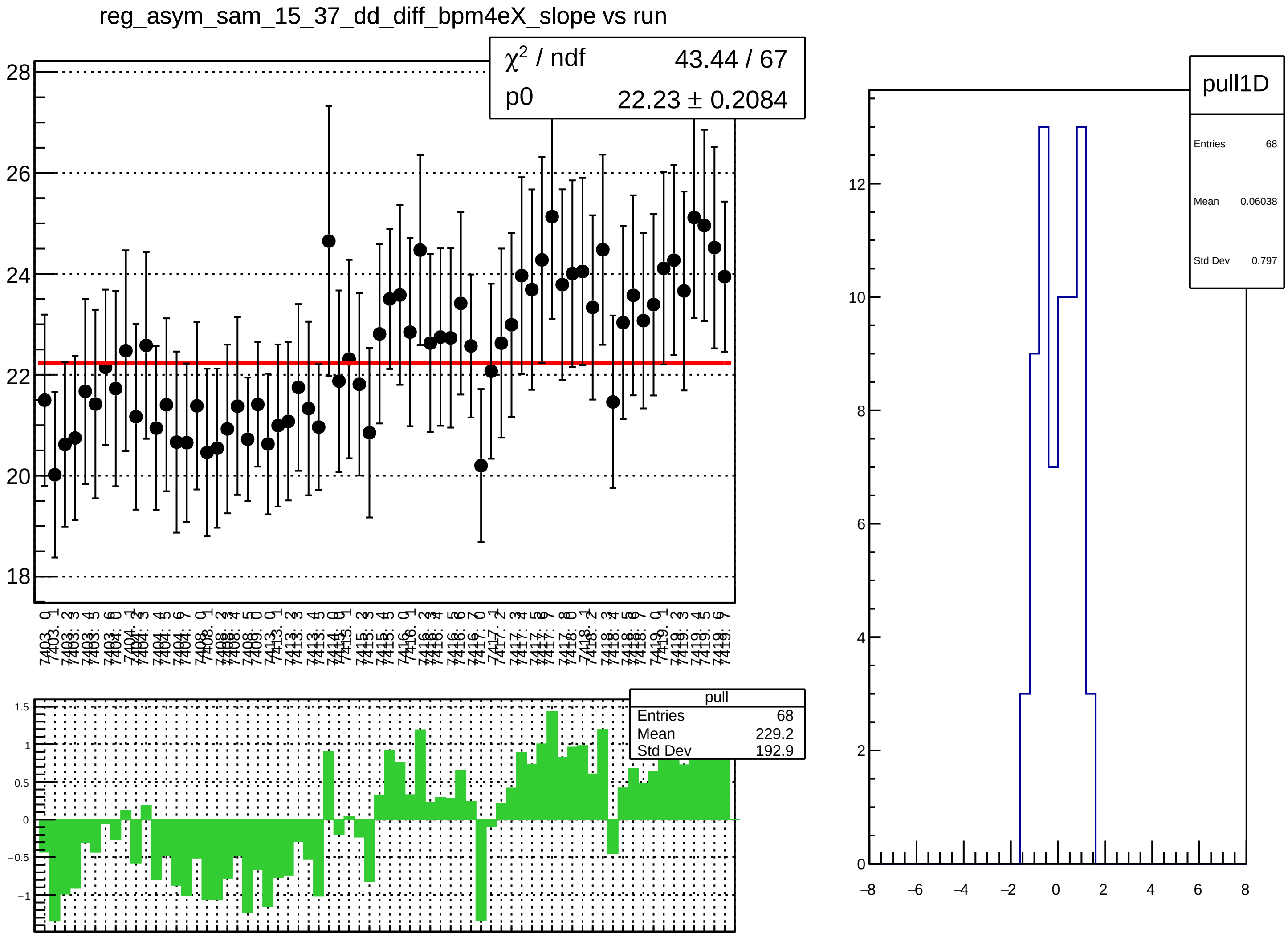




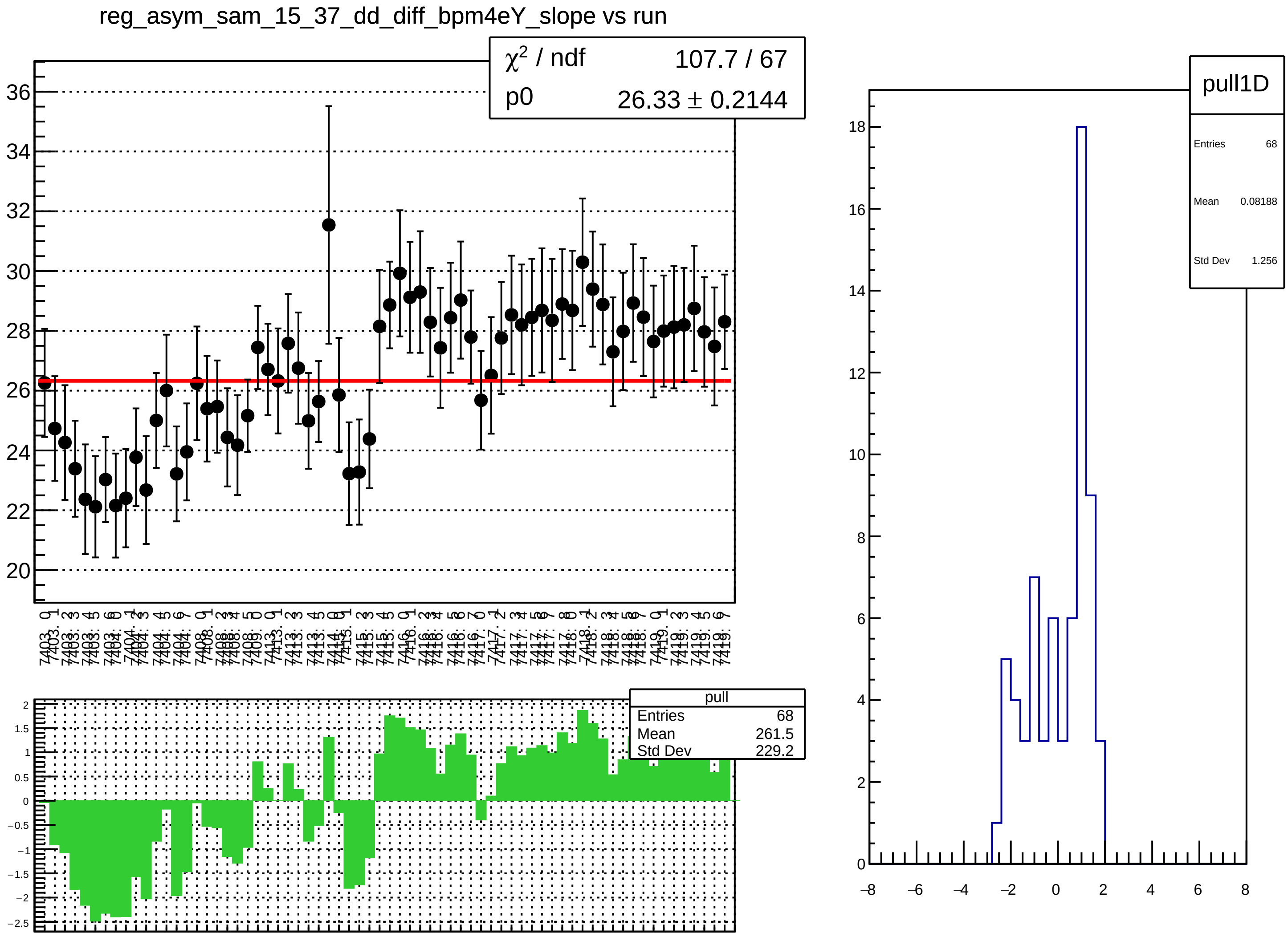


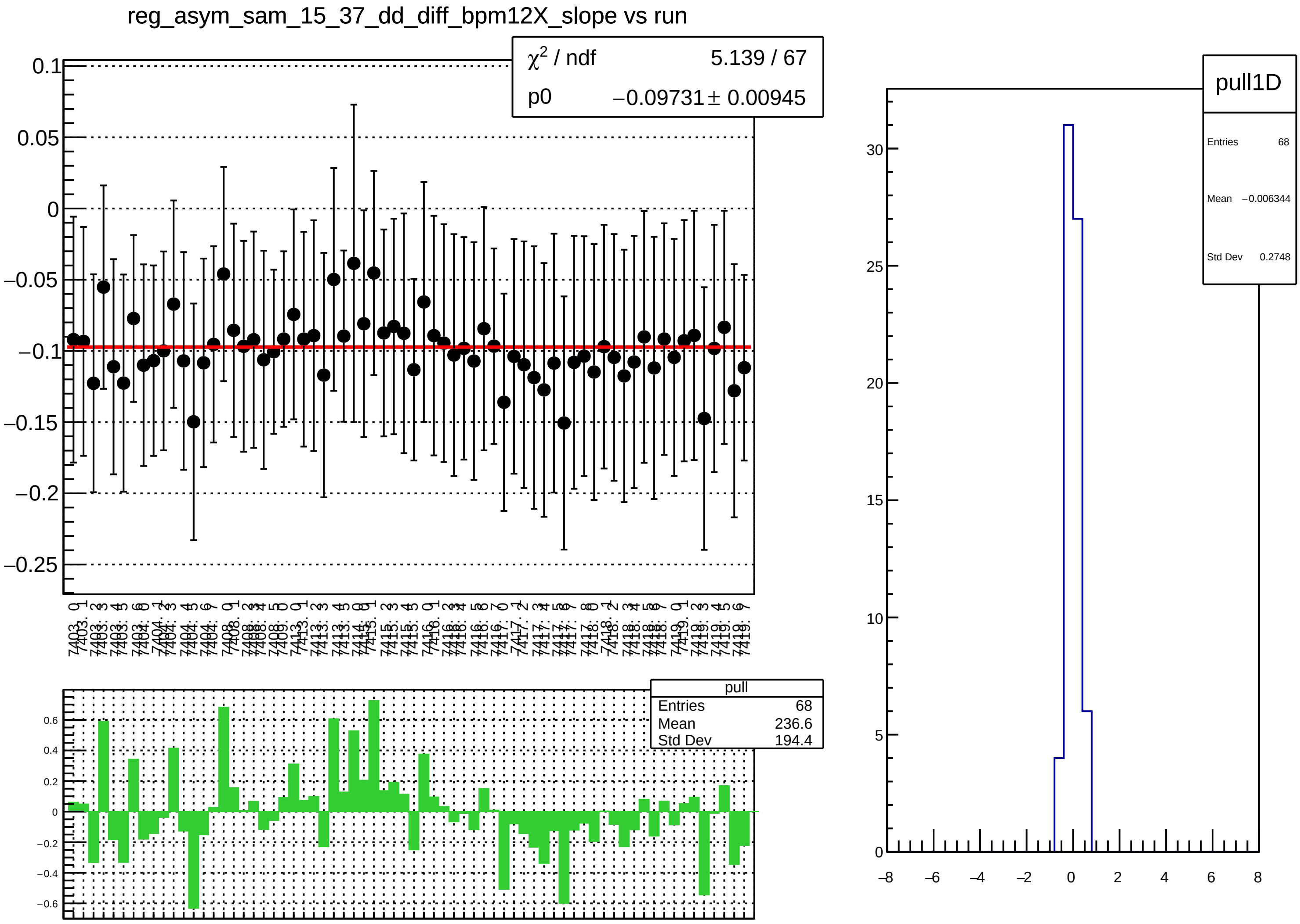
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 49.13 / 67
p0 3.255 ± 0.2005
pull
Entries 68
Mean −2562
Std Dev 2594
pull1D
Entries 68
Mean −0.004233
Std Dev 0.85

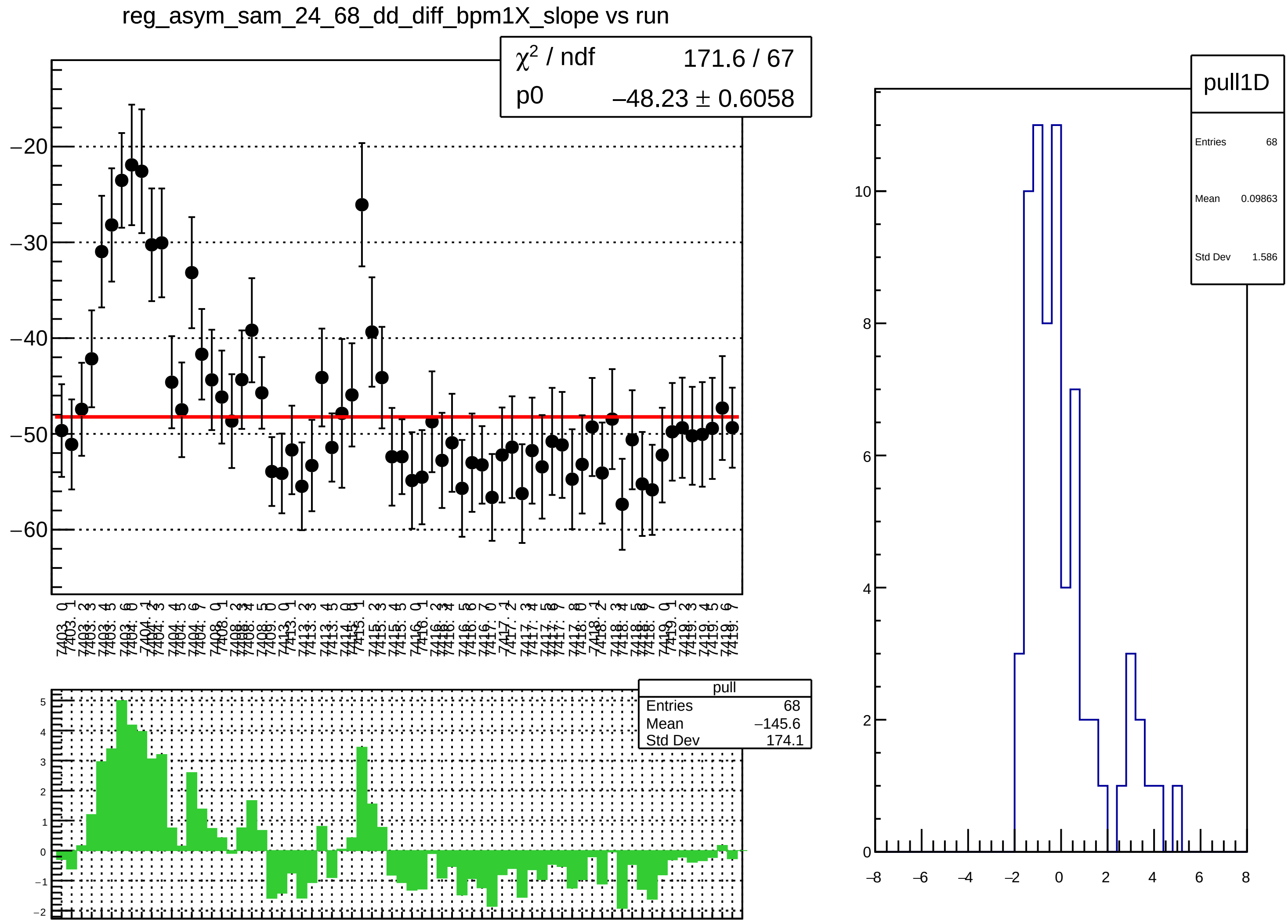

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 16.94 / 67
p0 −3.45 ± 0.2026
pull
Entries 68
Mean 103.2
Std Dev 102.2
pull1D
Entries 68
Mean −0.015
Std Dev 0.4989



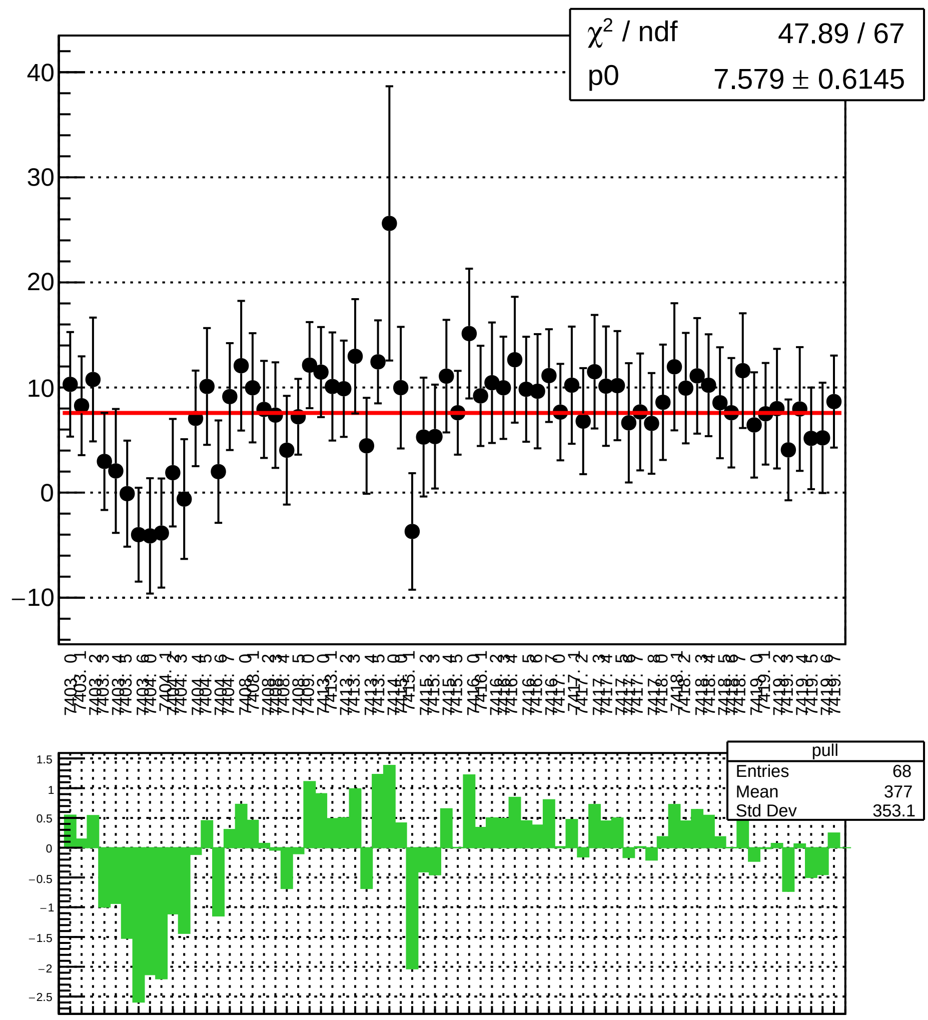
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 43.44 / 67
p0 22.23 ± 0.2084
pull
Entries 68
Mean 229.2
Std Dev 192.9
pull1D
Entries 68
Mean 0.06038
Std Dev 0.797

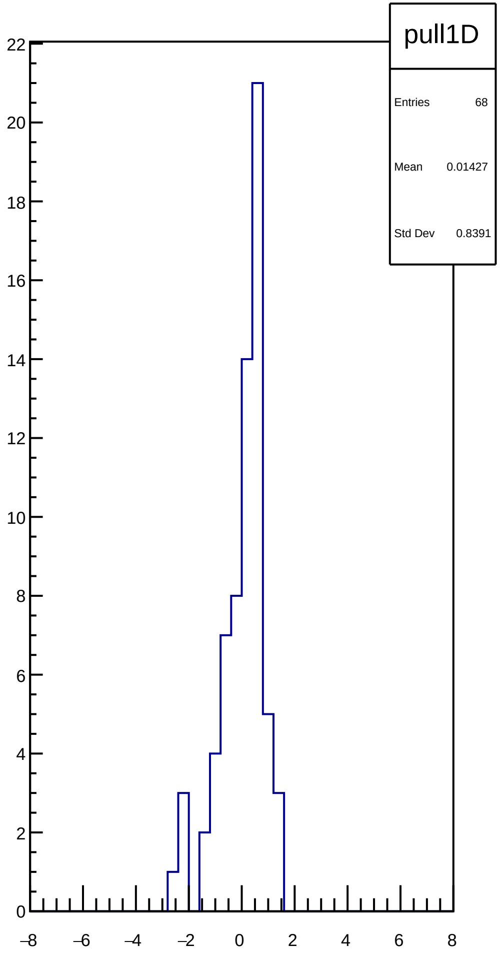

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 107.7 / 67
p0 26.33 ± 0.2144
pull
Entries 68
Mean 261.5
Std Dev 229.2
pull1D
Entries 68
Mean 0.08188
Std Dev 1.256

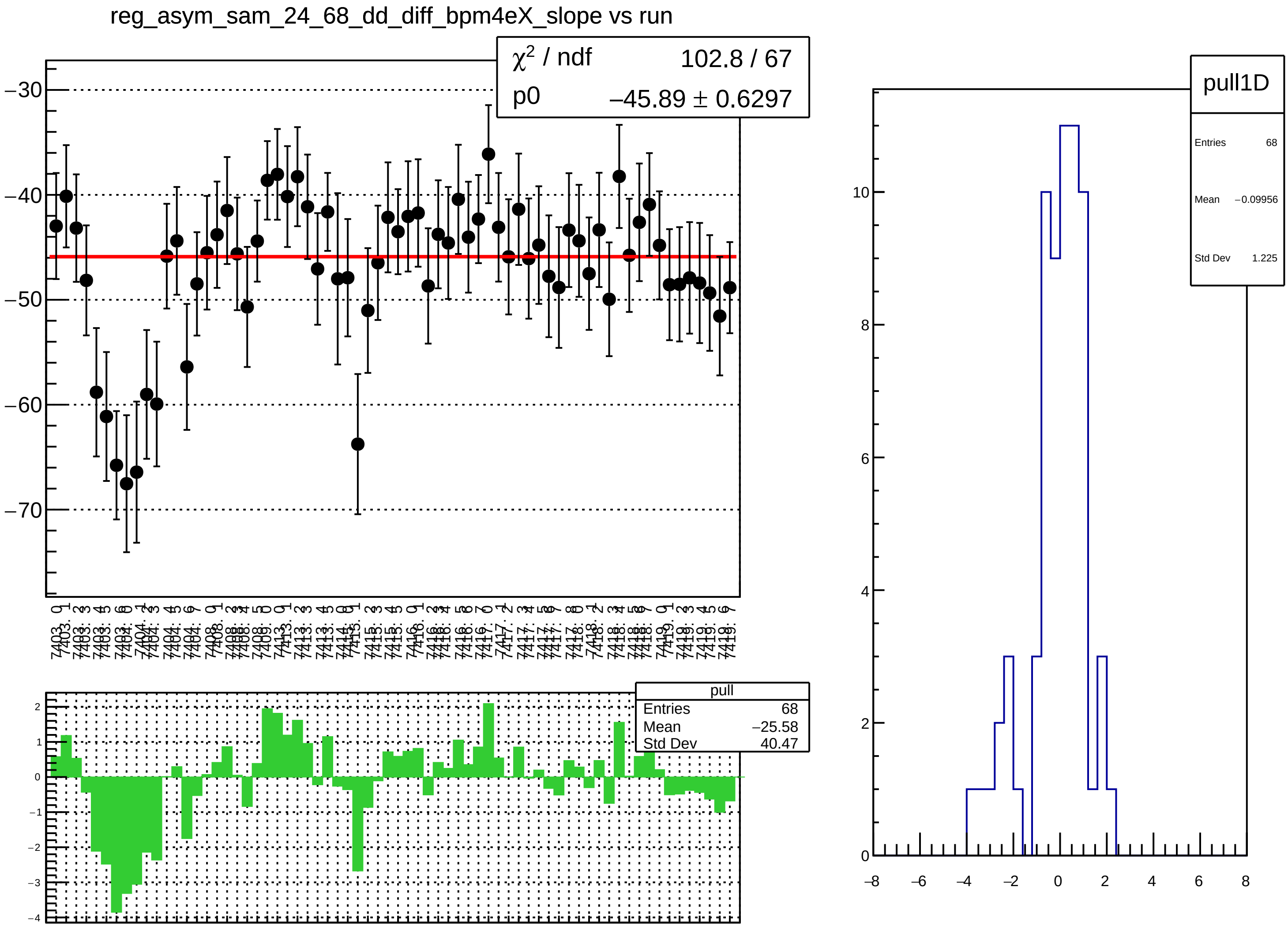

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 5.139 / 67
p0 −0.09731 ± 0.00945
pull
Entries 68
Mean 236.6
Std Dev 194.4
pull1D
Entries 68
Mean −0.006344
Std Dev 0.2748

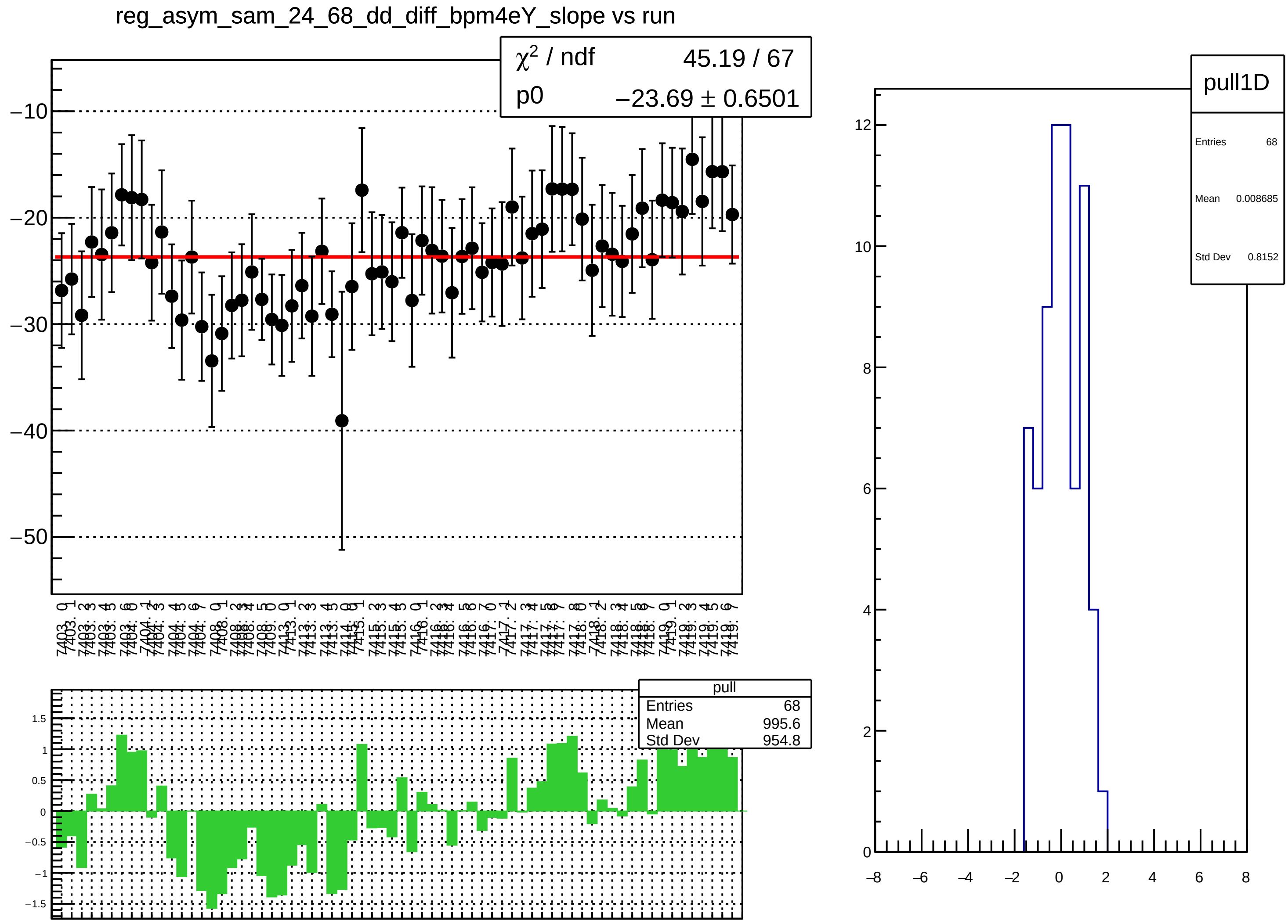

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 171.6 / 67
p0 −48.23 ± 0.6058
pull
Entries 68
Mean −145.6
Std Dev 174.1
pull1D
Entries 68
Mean 0.09863
Std Dev 1.586

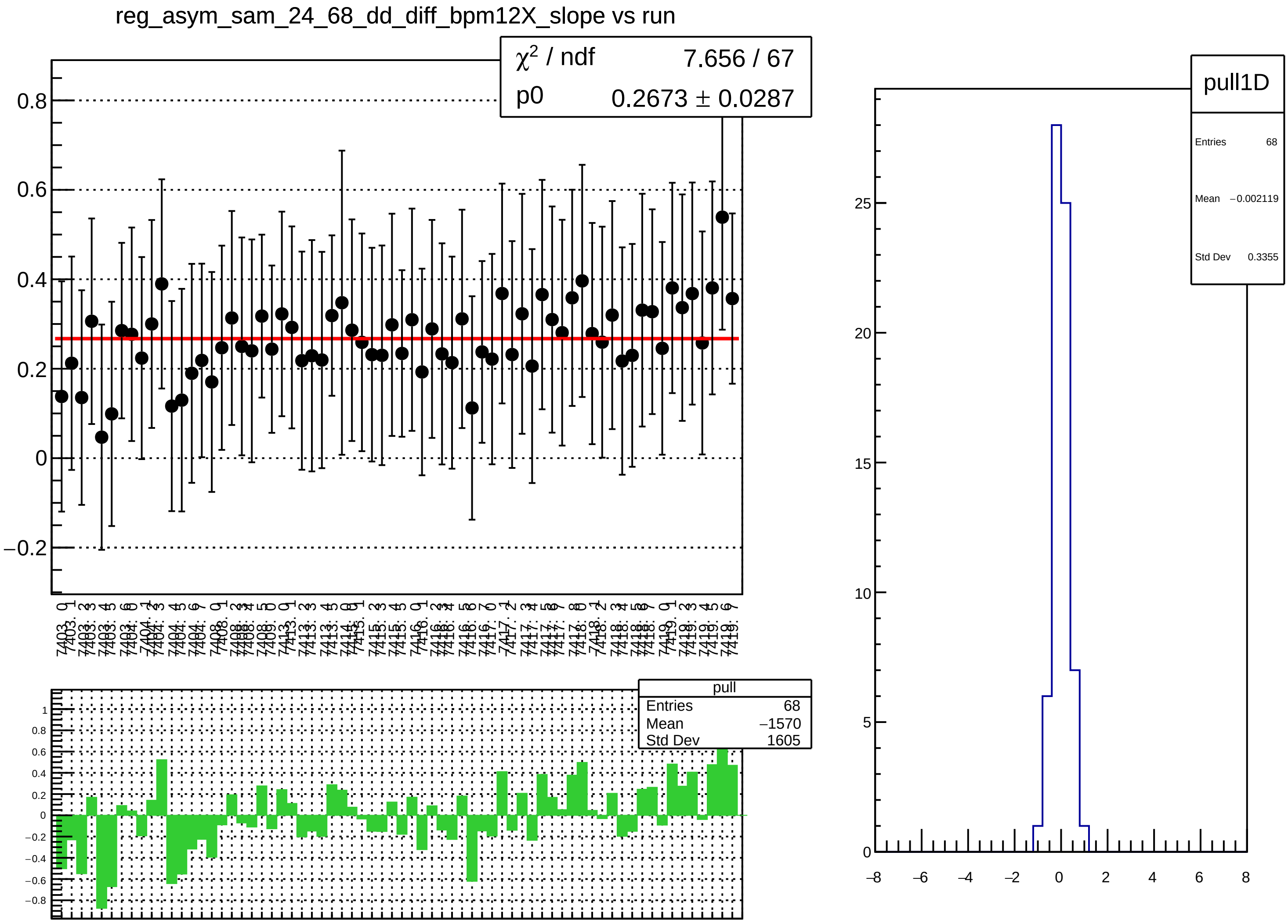
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run



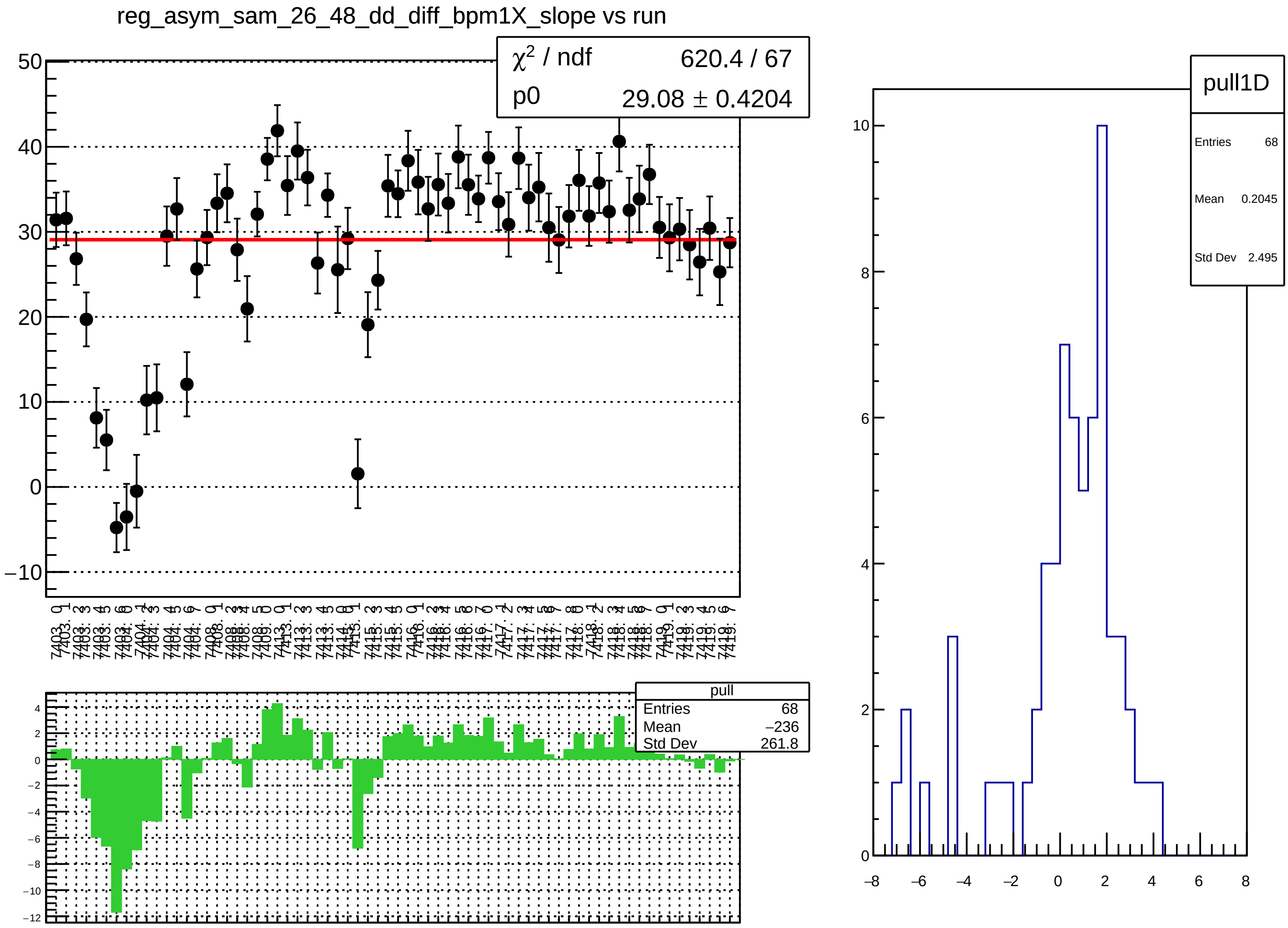



reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 102.8 / 67
p0 −45.89 ± 0.6297
pull
Entries 68
Mean −25.58
Std Dev 40.47
pull1D
Entries 68
Mean −0.09956
Std Dev 1.225

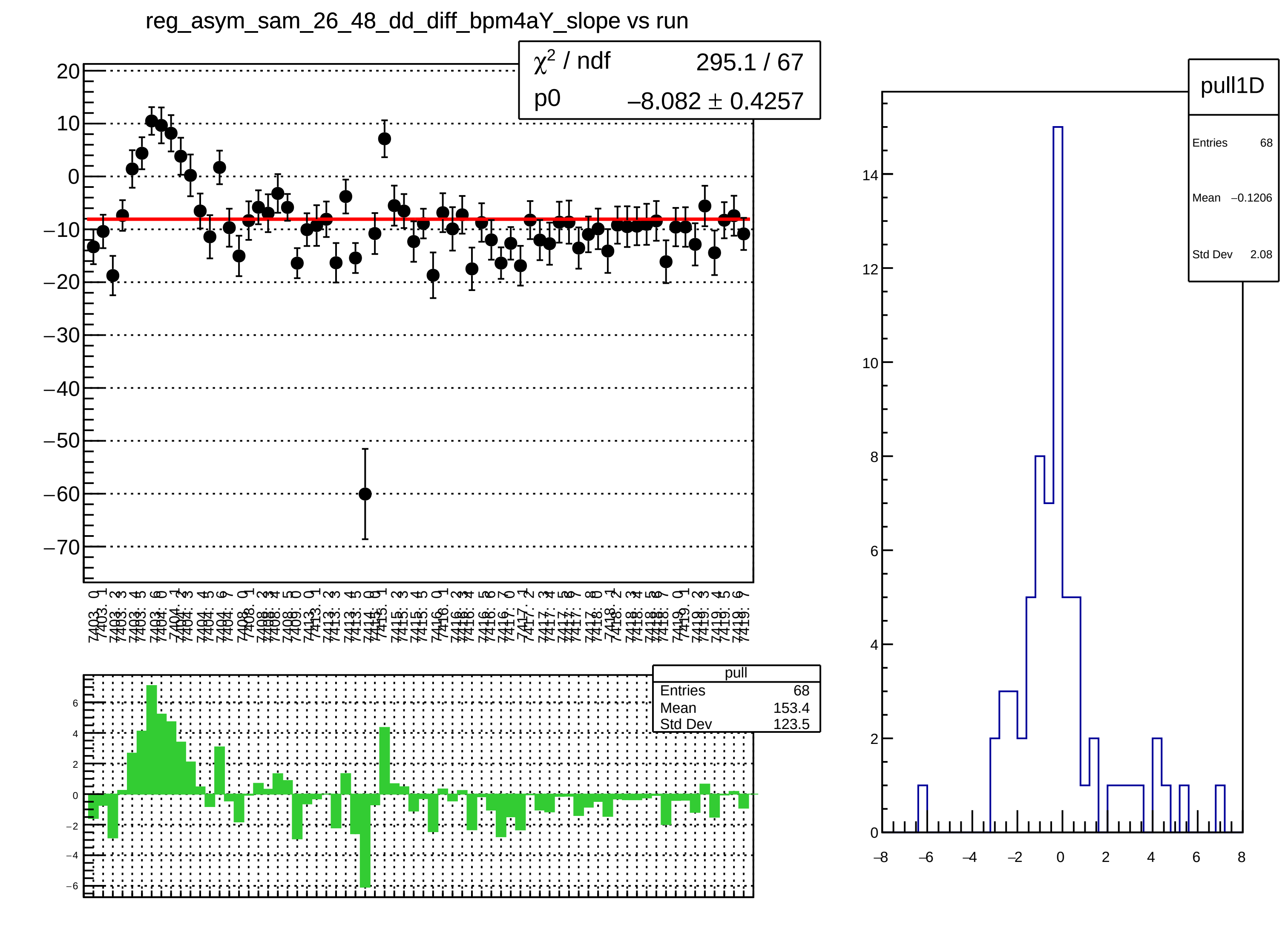

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 45.19 / 67
p0 −23.69 ± 0.6501
−10
−20
−30
−40
−50
pull
Entries 68
Mean 995.6
Std Dev 954.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 68
Mean 0.008685
Std Dev 0.8152
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



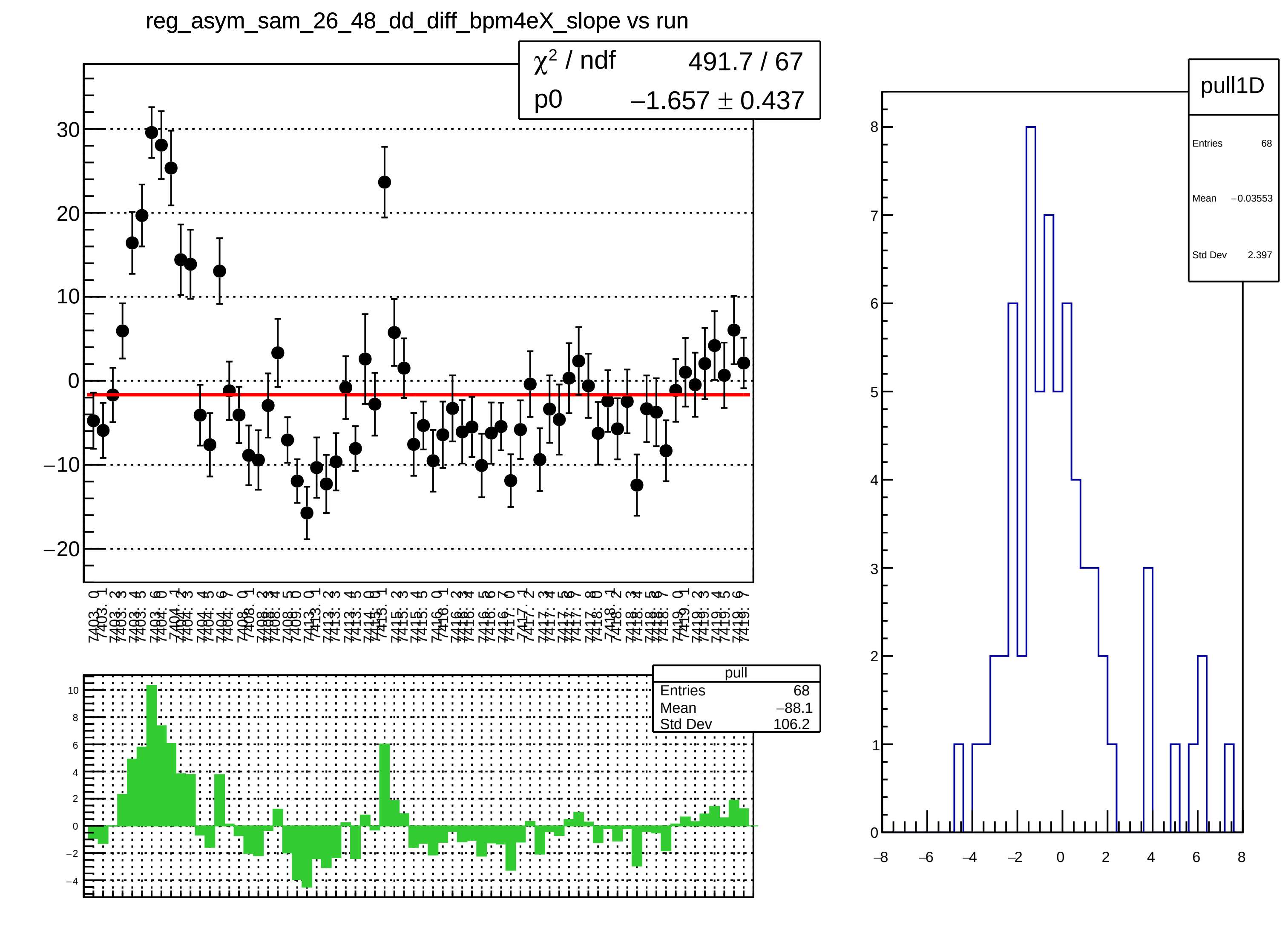
reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.656 / 67
p0 0.2673 ± 0.0287
pull
Entries 68
Mean −1570
Std Dev 1605
pull1D
Entries 68
Mean −0.002119
Std Dev 0.3355

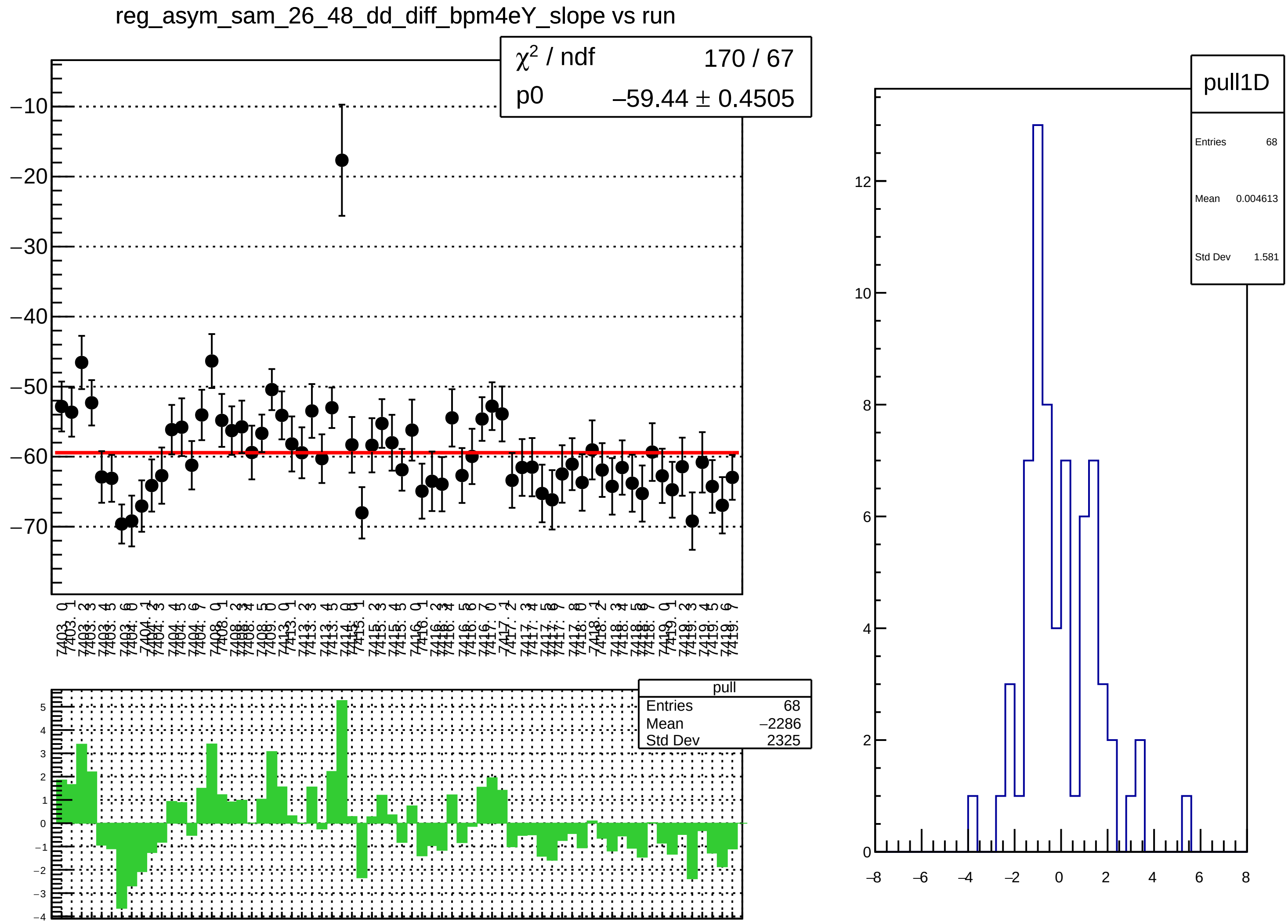


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 620.4 / 67
p0 29.08 ± 0.4204
pull
Entries 68
Mean −236
Std Dev 261.8
pull1D
Entries 68
Mean 0.2045
Std Dev 2.495

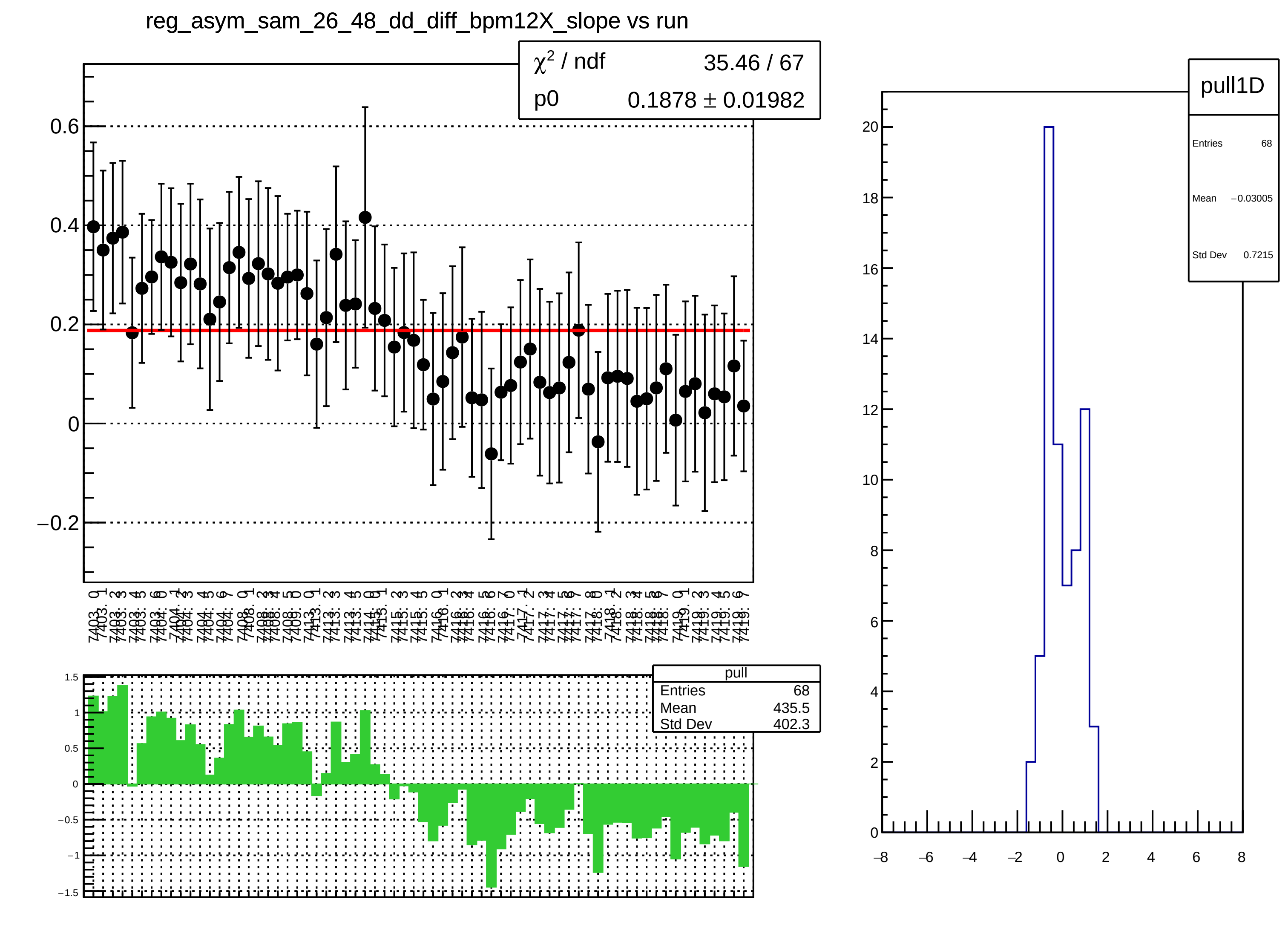


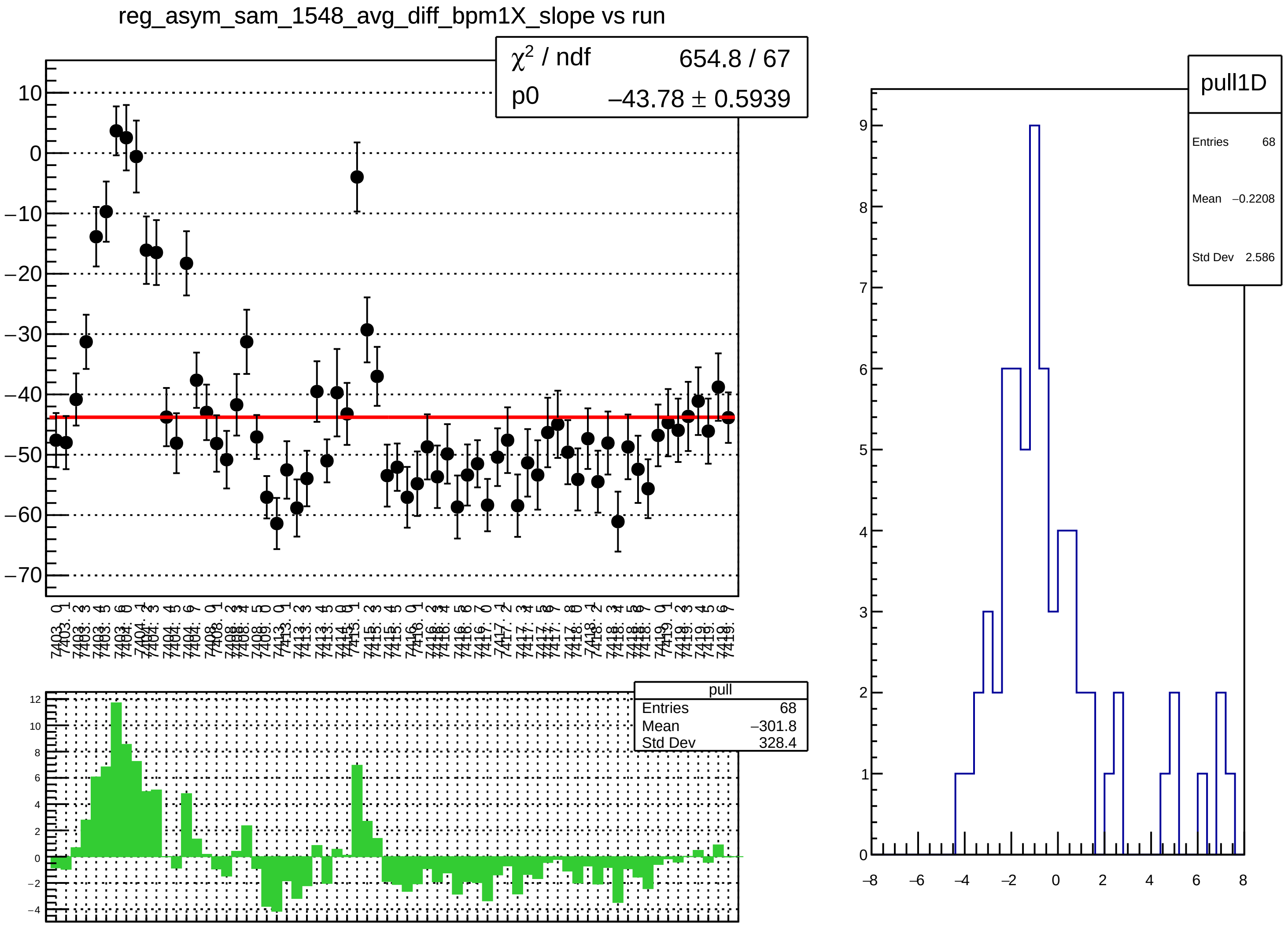
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 295.1 / 67
p0 −8.082 ± 0.4257
pull
Entries 68
Mean 153.4
Std Dev 123.5
pull1D
Entries 68
Mean −0.1206
Std Dev 2.08


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 491.7 / 67
p0 −1.657 ± 0.437
pull
Entries 68
Mean −88.1
Std Dev 106.2
pull1D
Entries 68
Mean −0.03553
Std Dev 2.397

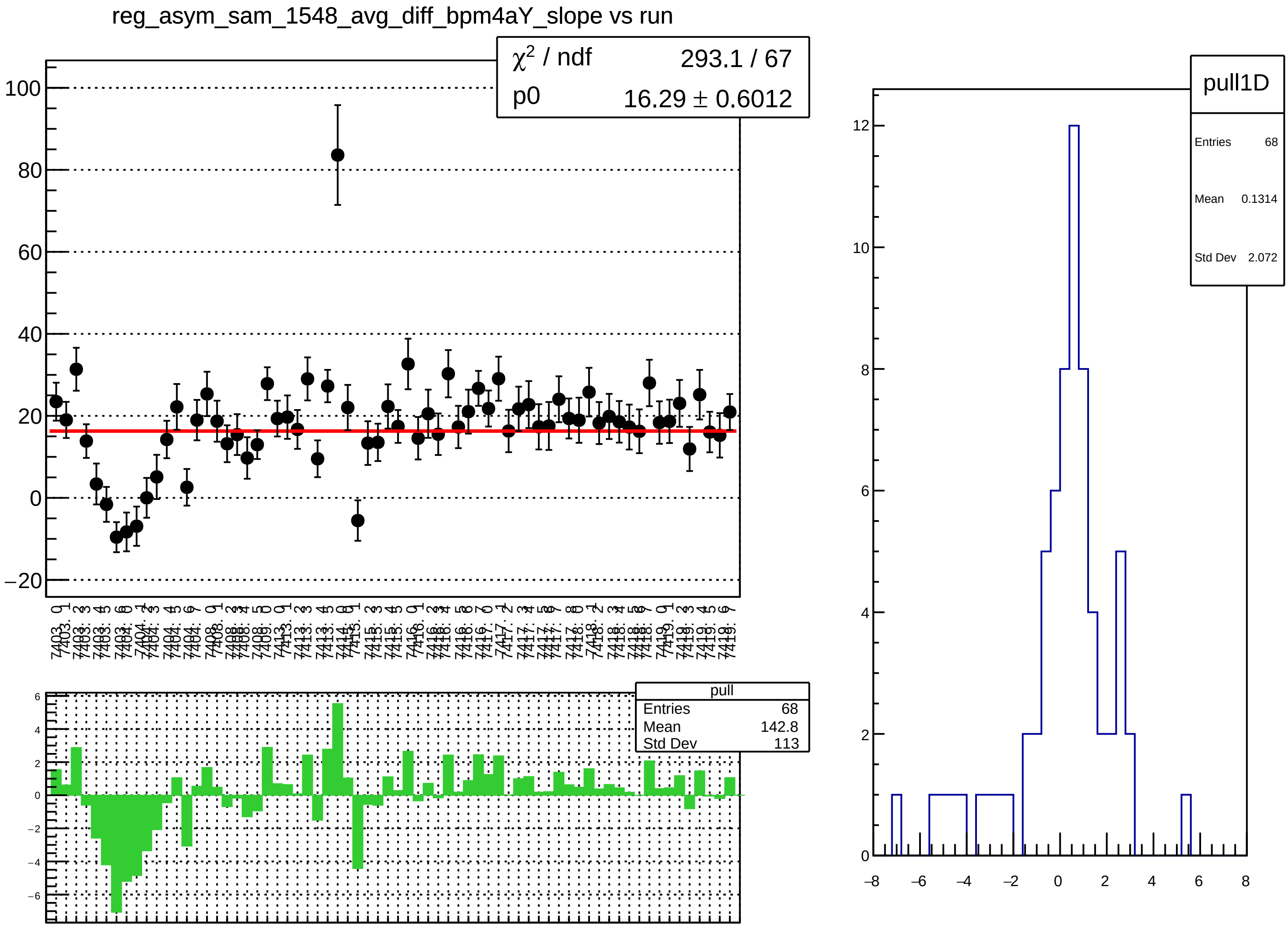


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 170 / 67
p0 −59.44 ± 0.4505
pull
Entries 68
Mean −2286
Std Dev 2325
pull1D
Entries 68
Mean 0.004613
Std Dev 1.581

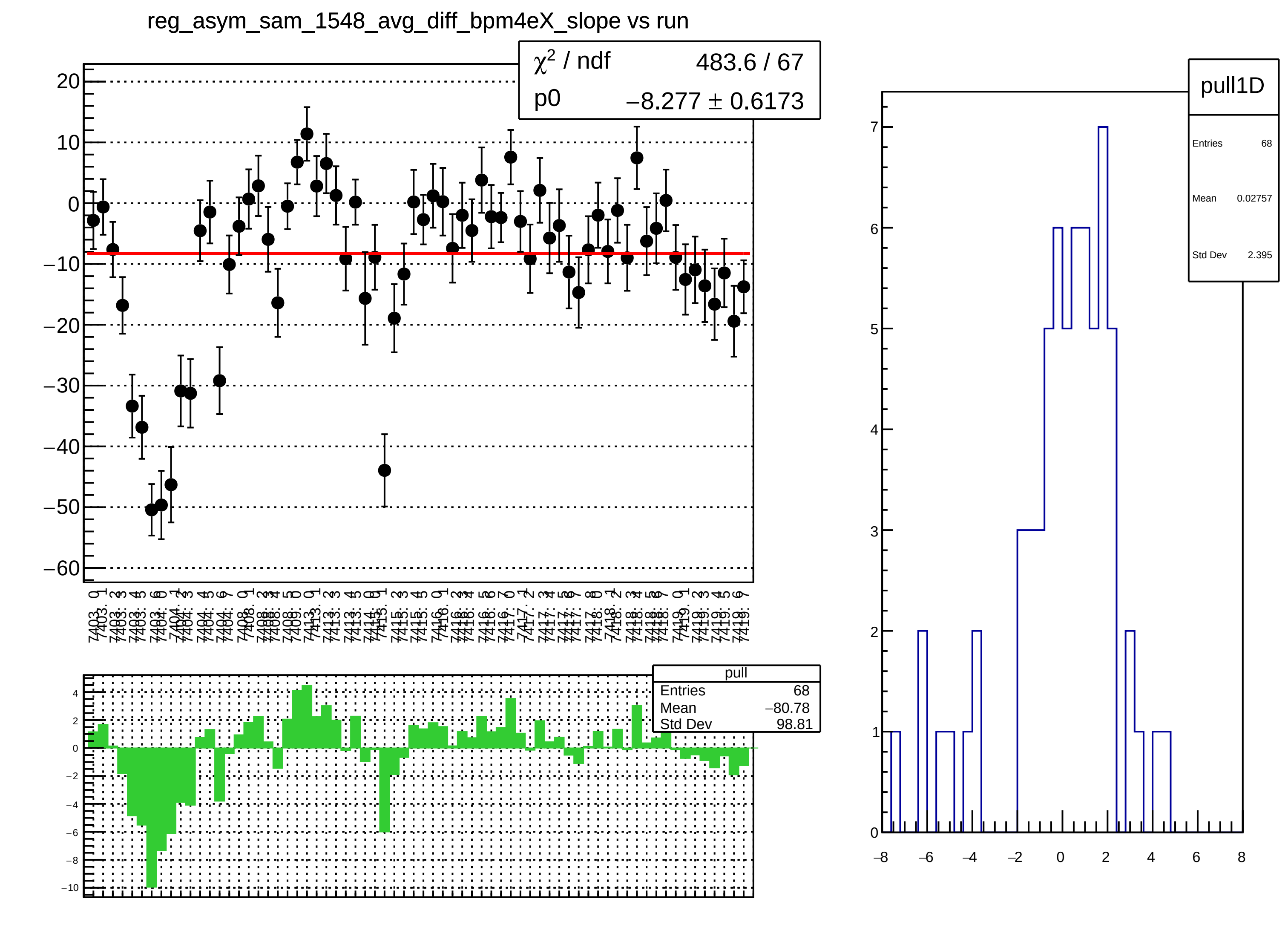

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ2 / ndf 35.46 / 67
p0 0.1878 ± 0.01982
pull
Entries 68
Mean 435.5
Std Dev 402.3
pull1D
Entries 68
Mean −0.03005
Std Dev 0.7215

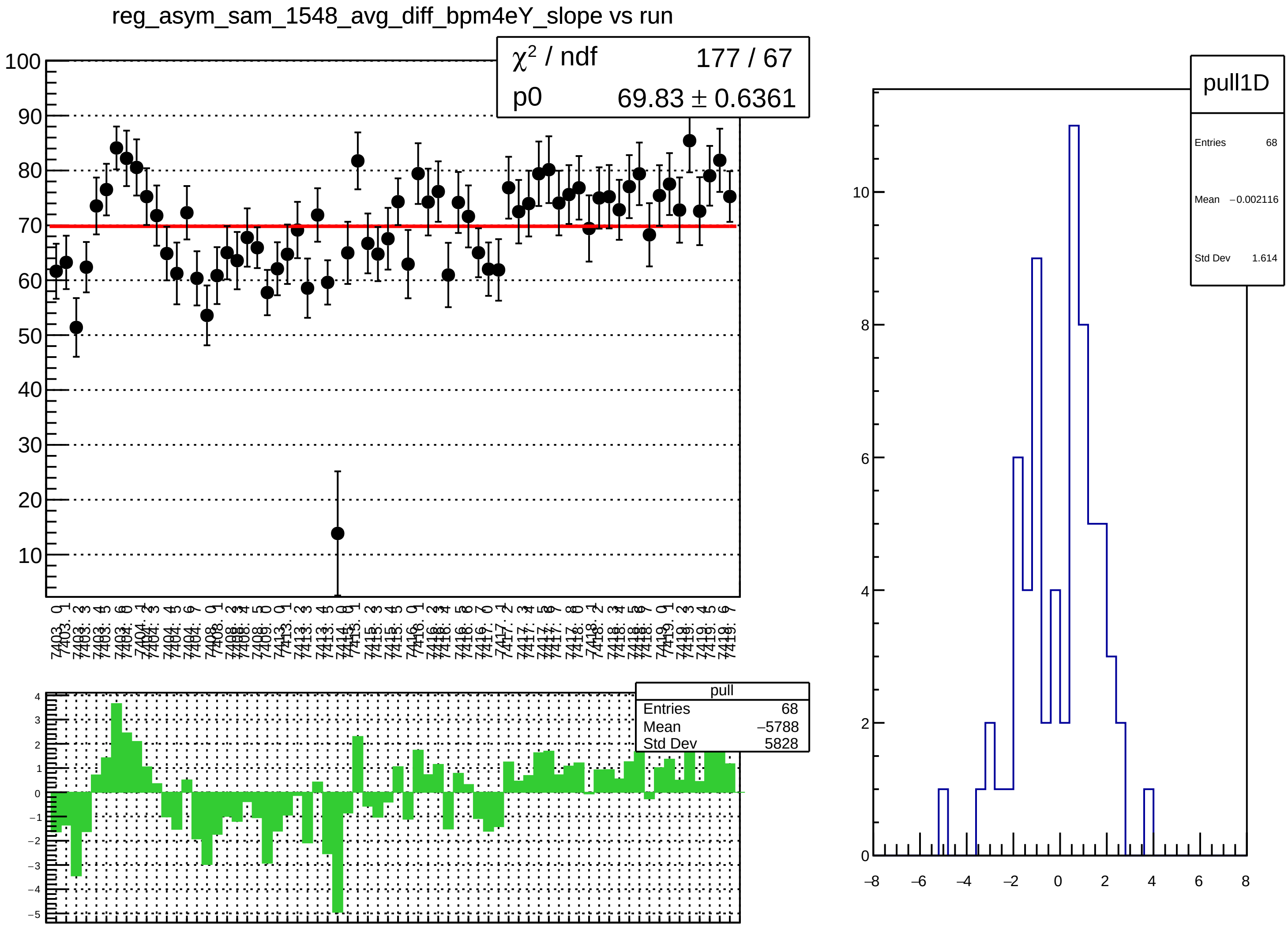


reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ2 / ndf 654.8 / 67
p0 −43.78 ± 0.5939
10
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 68
Mean −301.8
Std Dev 328.4
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 68
Mean −0.2208
Std Dev 2.586
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

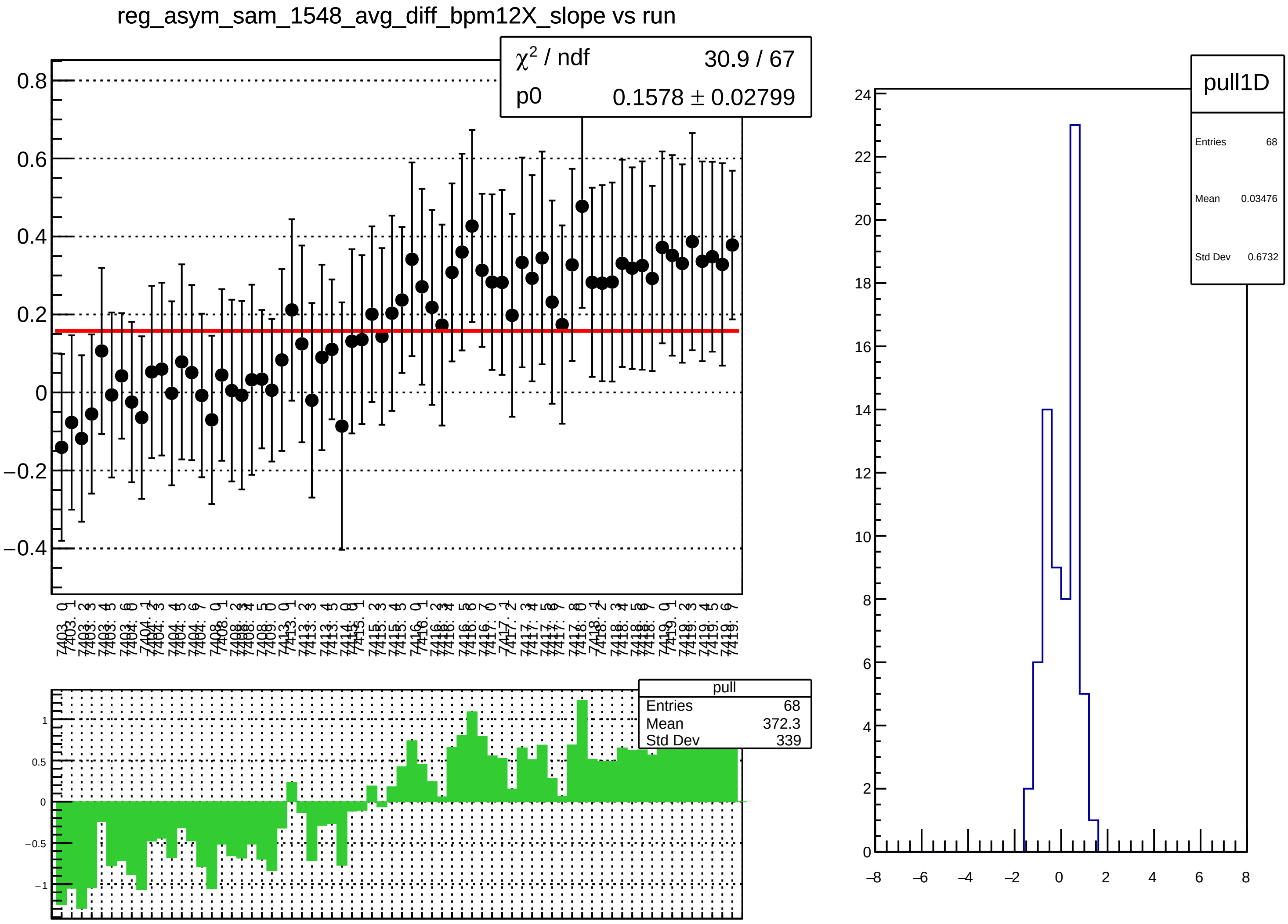


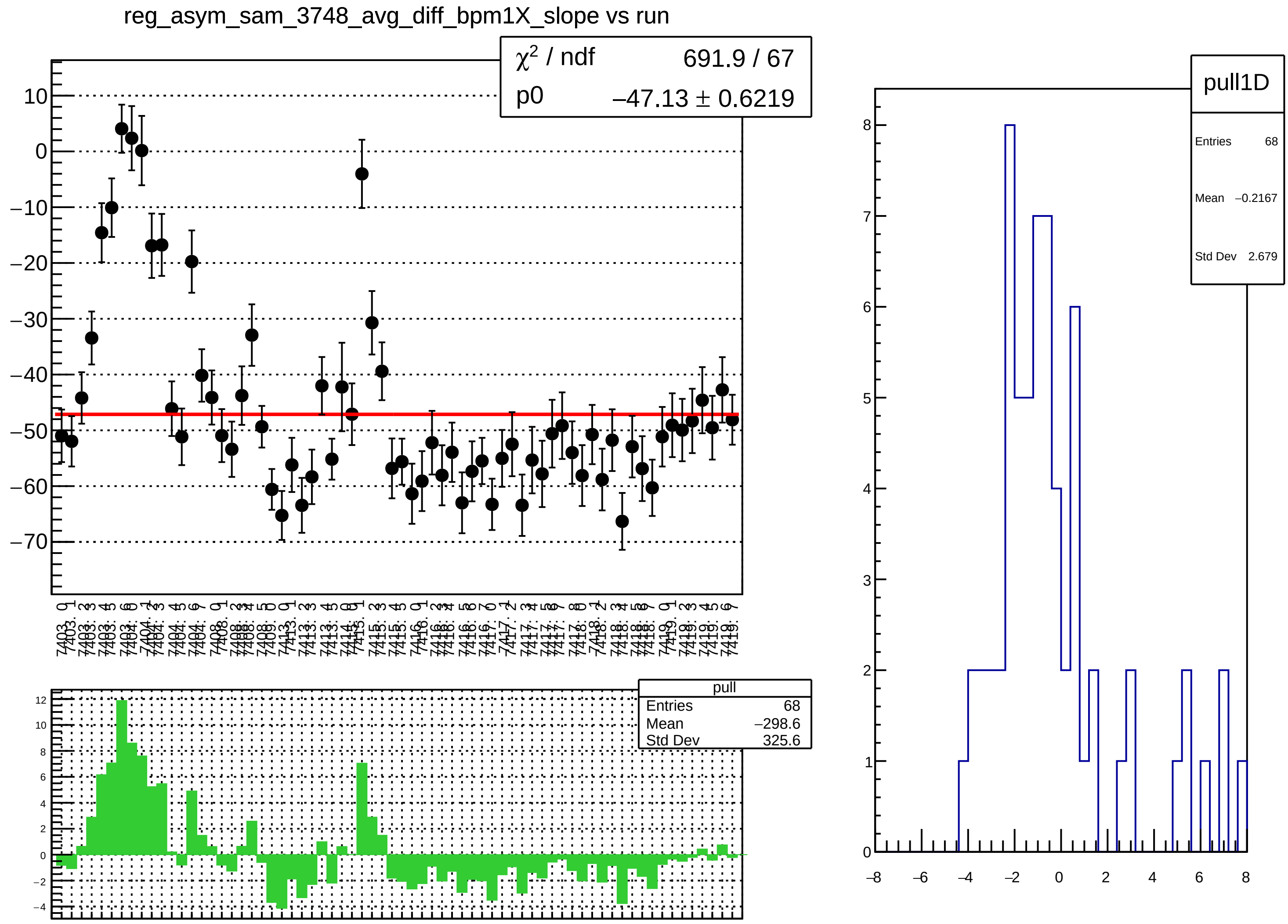
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 293.1 / 67
p0 16.29 ± 0.6012
pull
Entries 68
Mean 142.8
Std Dev 113
pull1D
Entries 68
Mean 0.1314
Std Dev 2.072


reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 483.6 / 67
p0 −8.277 ± 0.6173
pull
Entries 68
Mean −80.78
Std Dev 98.81
pull1D
Entries 68
Mean 0.02757
Std Dev 2.395

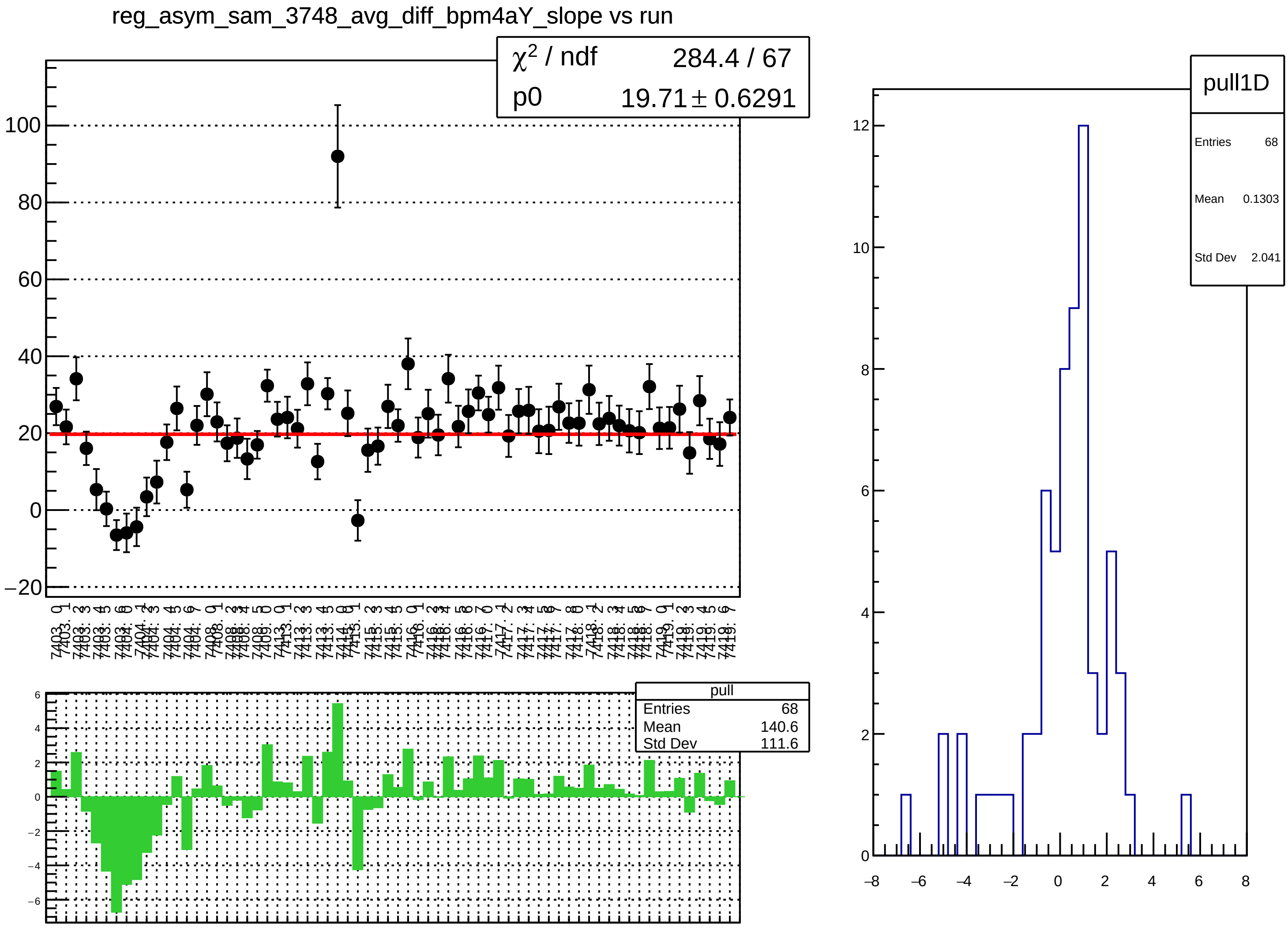


reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 177 / 67
p0 69.83 ± 0.6361
pull
Entries 68
Mean −5788
Std Dev 5828
pull1D
Entries 68
Mean −0.002116
Std Dev 1.614

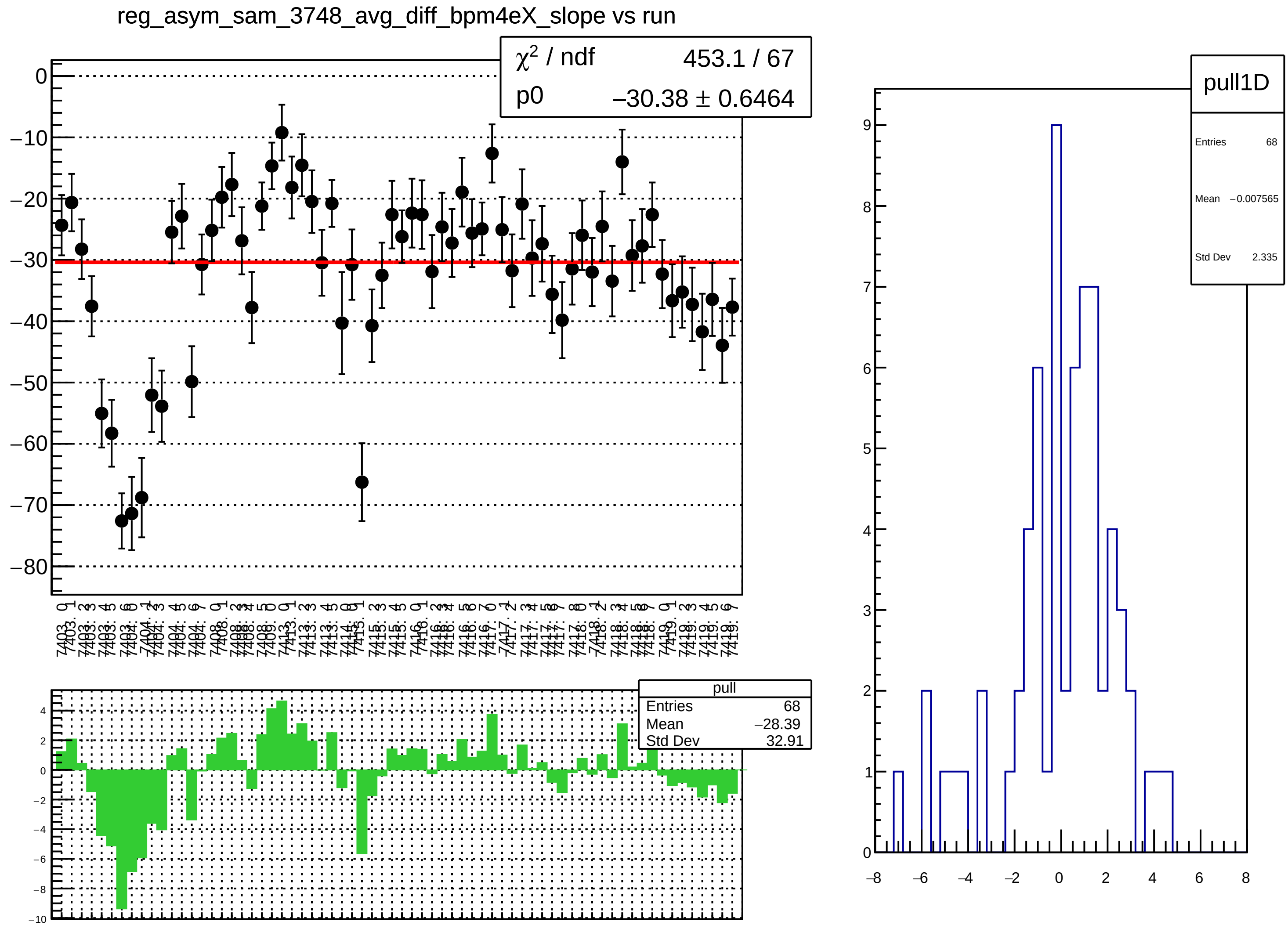

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ2 / ndf 30.9 / 67
p0 0.1578 ± 0.02799
pull
Entries 68
Mean 372.3
Std Dev 339
pull1D
Entries 68
Mean 0.03476
Std Dev 0.6732

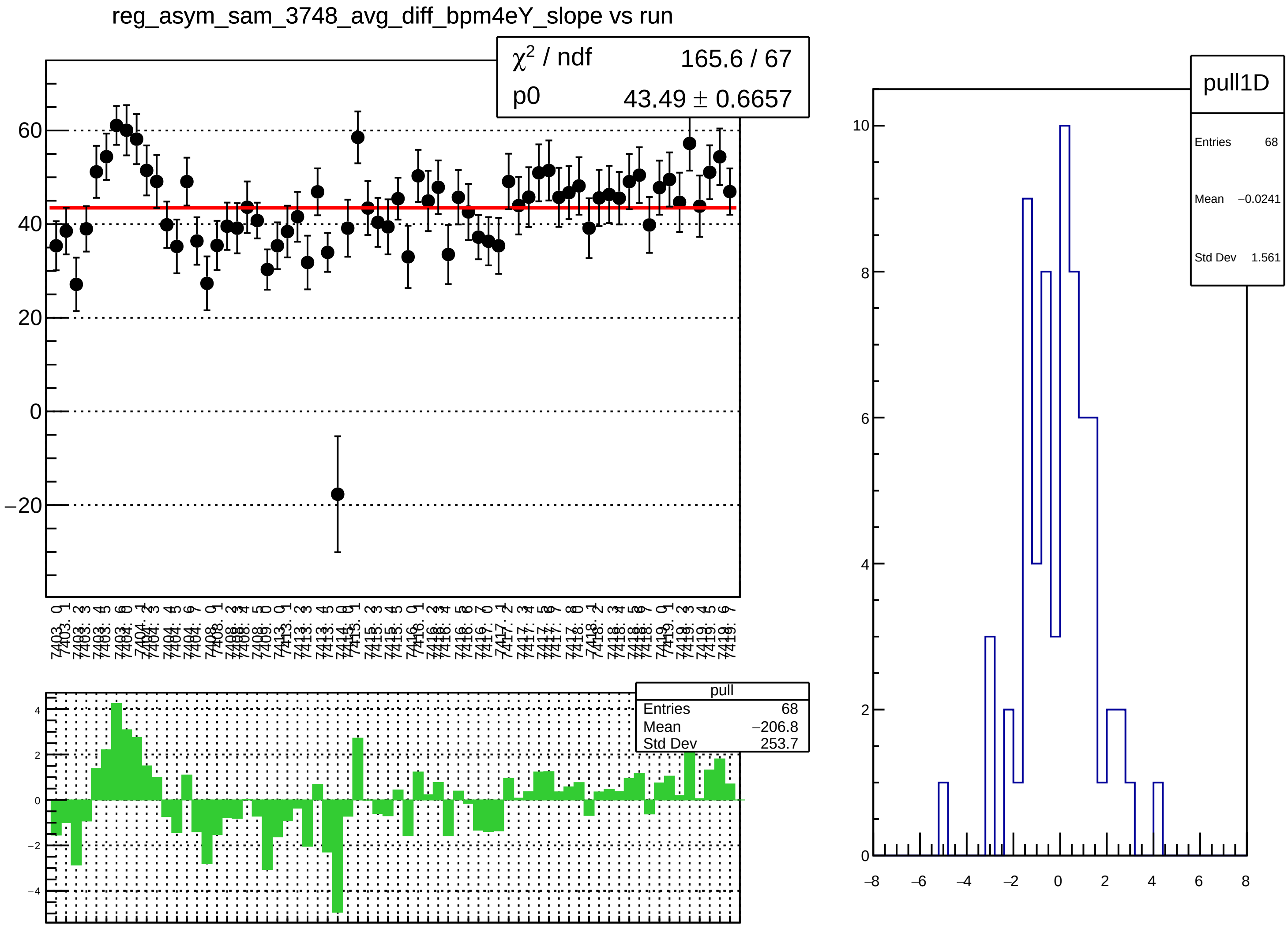


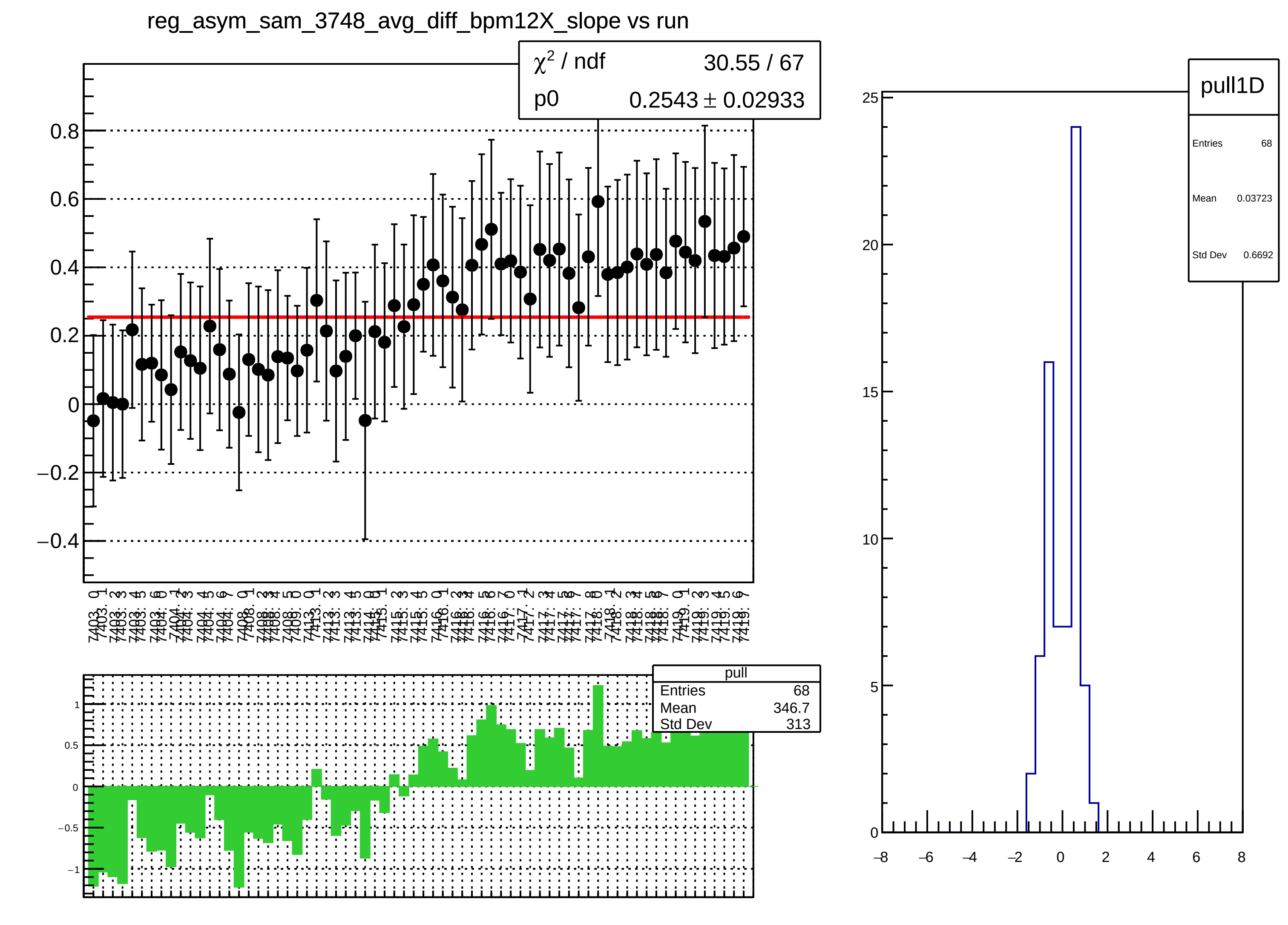
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 691.9 / 67
p0 −47.13 ± 0.6219
pull
Entries 68
Mean −298.6
Std Dev 325.6
pull1D
Entries 68
Mean −0.2167
Std Dev 2.679

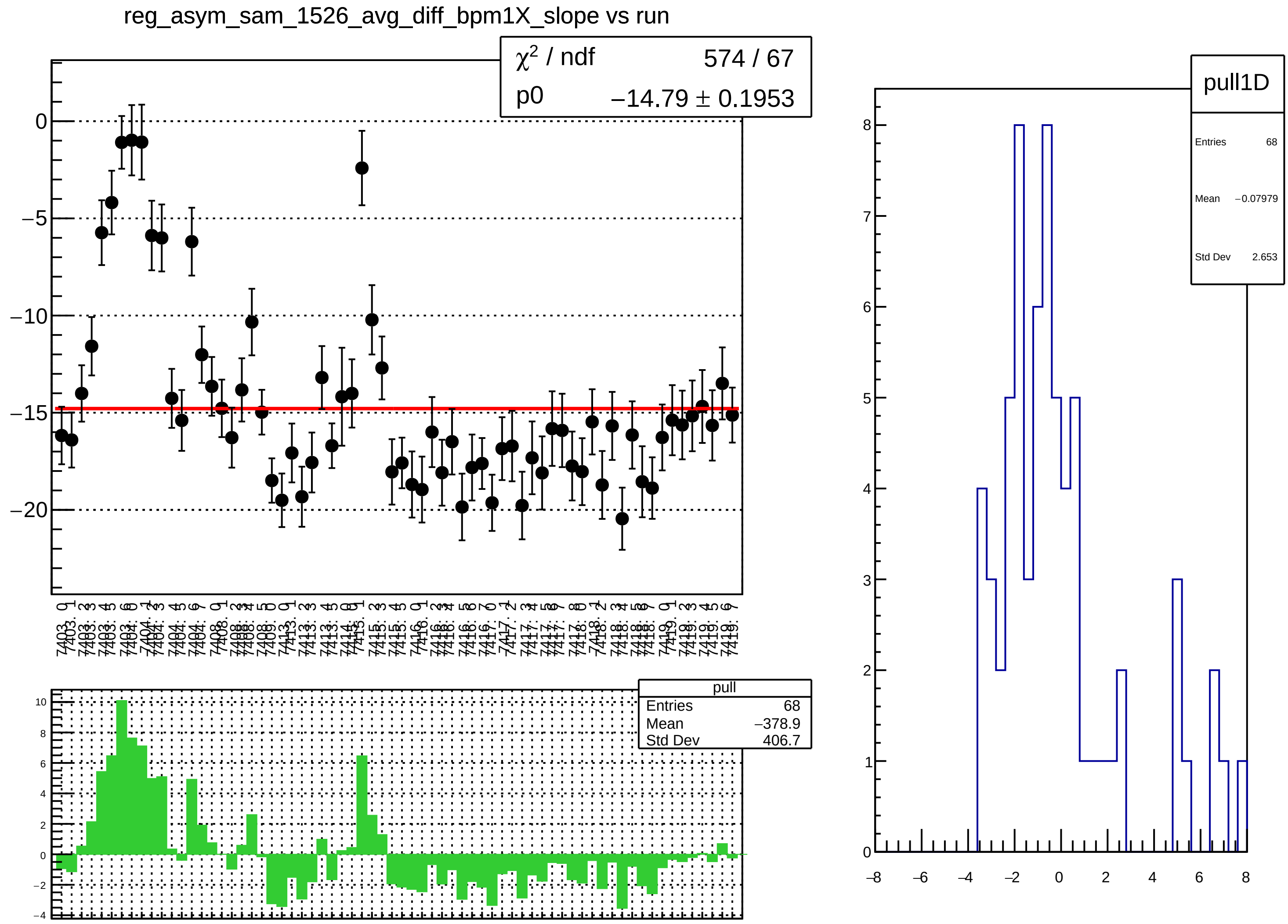


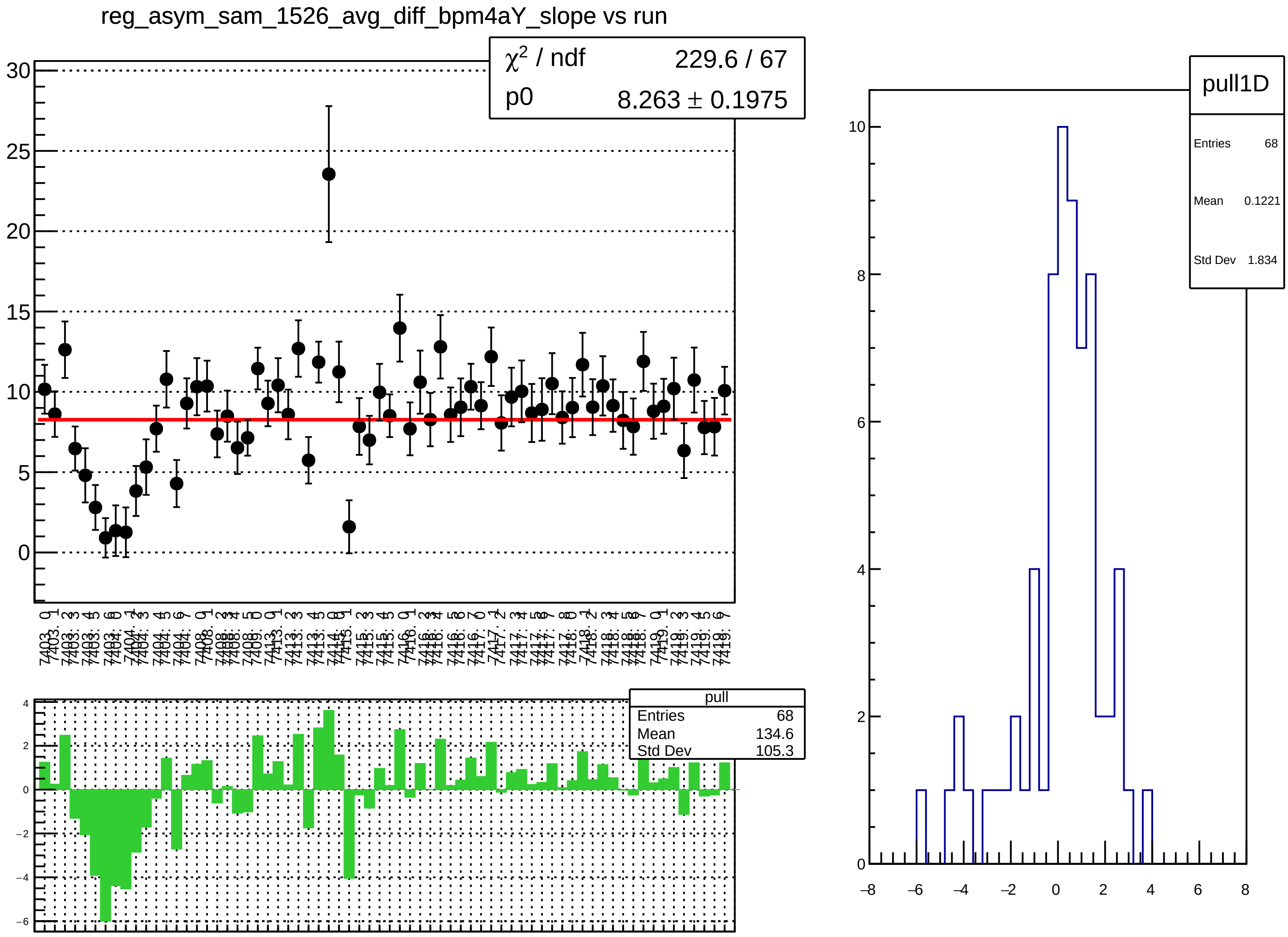
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 284.4 / 67
p0 19.71 ± 0.6291
pull
Entries 68
Mean 140.6
Std Dev 111.6
pull1D
Entries 68
Mean 0.1303
Std Dev 2.041


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 453.1 / 67
p0 −30.38 ± 0.6464
pull
Entries 68
Mean −28.39
Std Dev 32.91
pull1D
Entries 68
Mean −0.007565
Std Dev 2.335

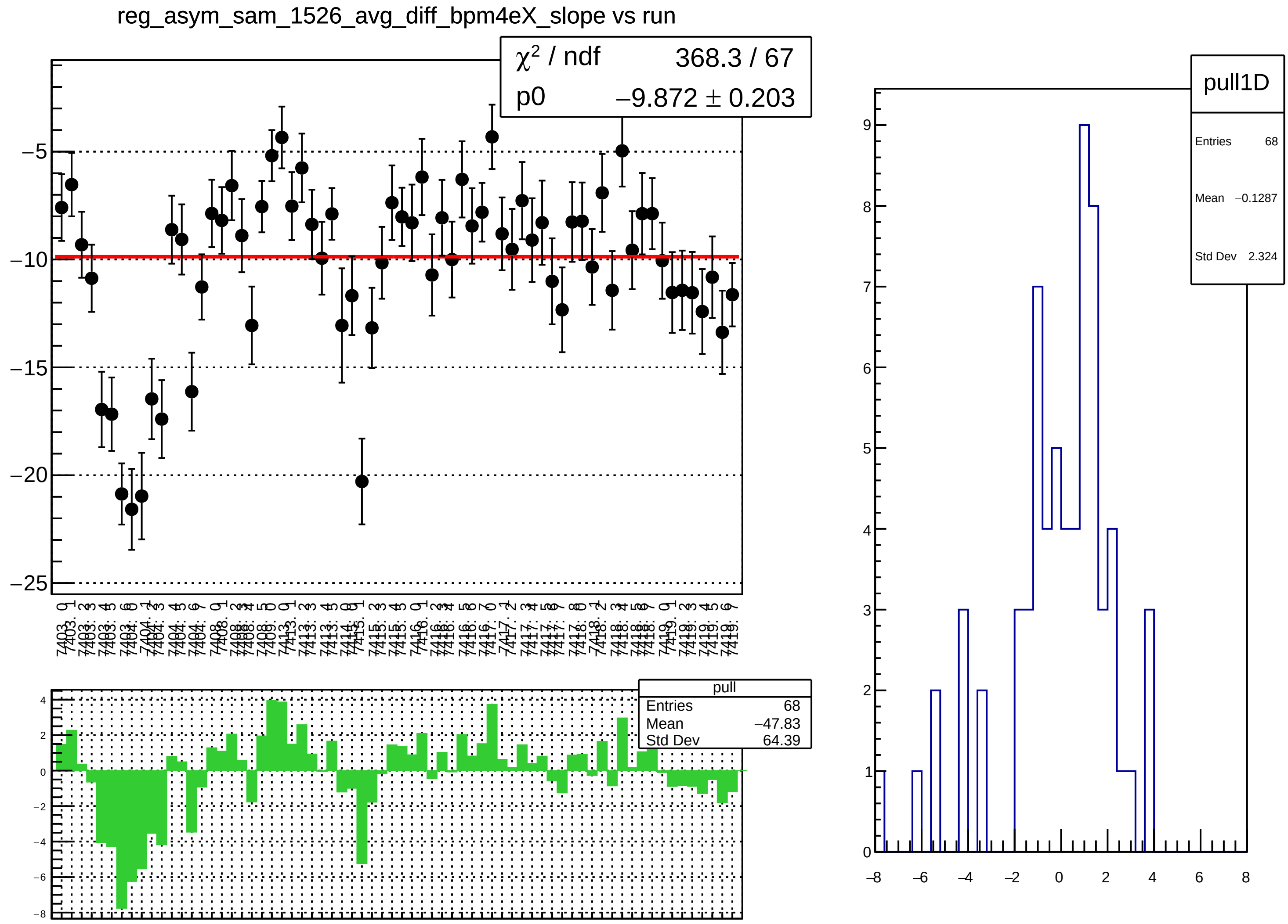

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 165.6 / 67
p0 43.49 ± 0.6657
pull
Entries 68
Mean −206.8
Std Dev 253.7
pull1D
Entries 68
Mean −0.0241
Std Dev 1.561


reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 30.55 / 67
p0 0.2543 ± 0.02933
pull
Entries 68
Mean 346.7
Std Dev 313
pull1D
Entries 68
Mean 0.03723
Std Dev 0.6692

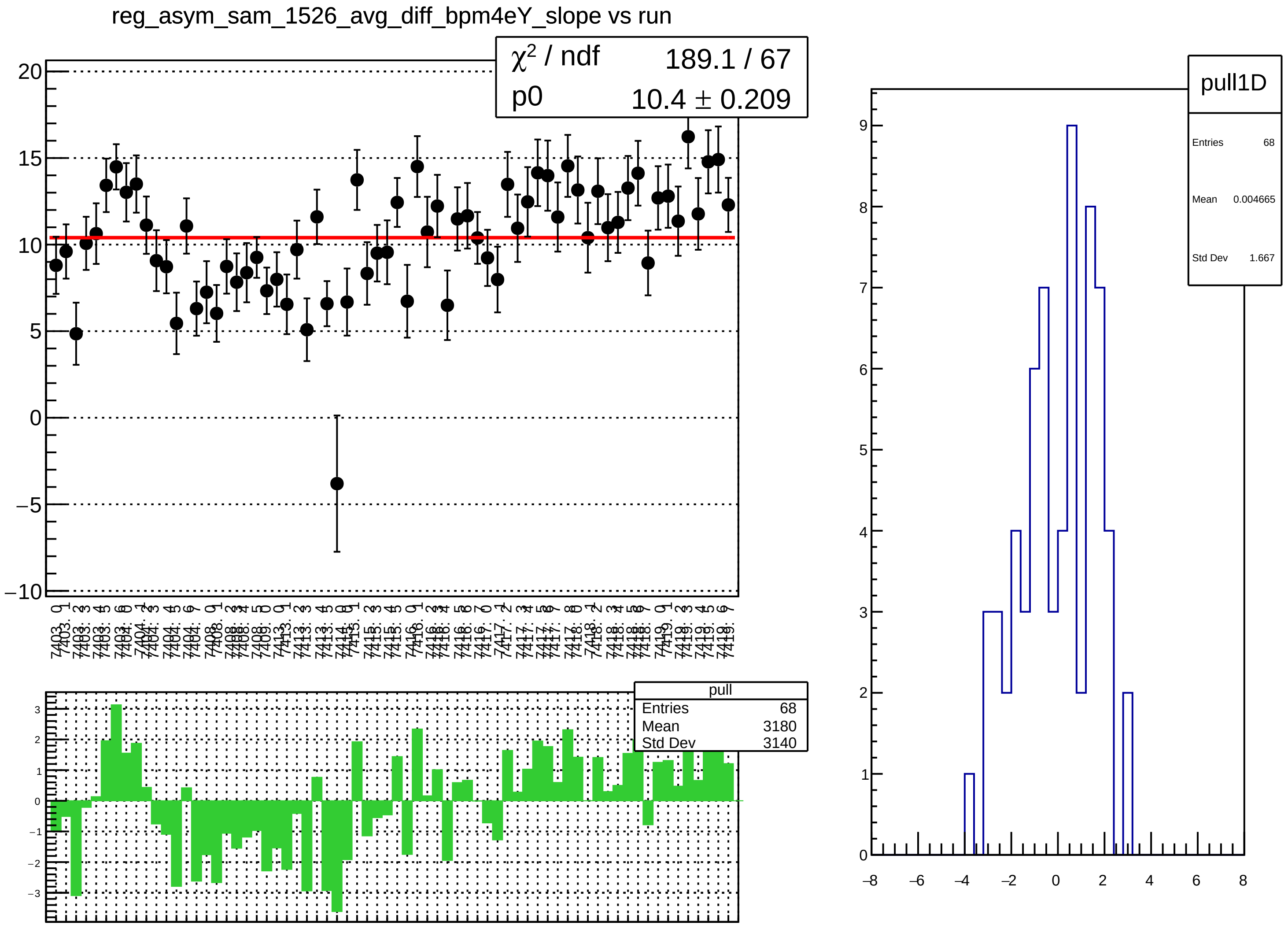

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 574 / 67
p0 −14.79 ± 0.1953
pull
Entries 68
Mean −378.9
Std Dev 406.7
pull1D
Entries 68
Mean −0.07979
Std Dev 2.653



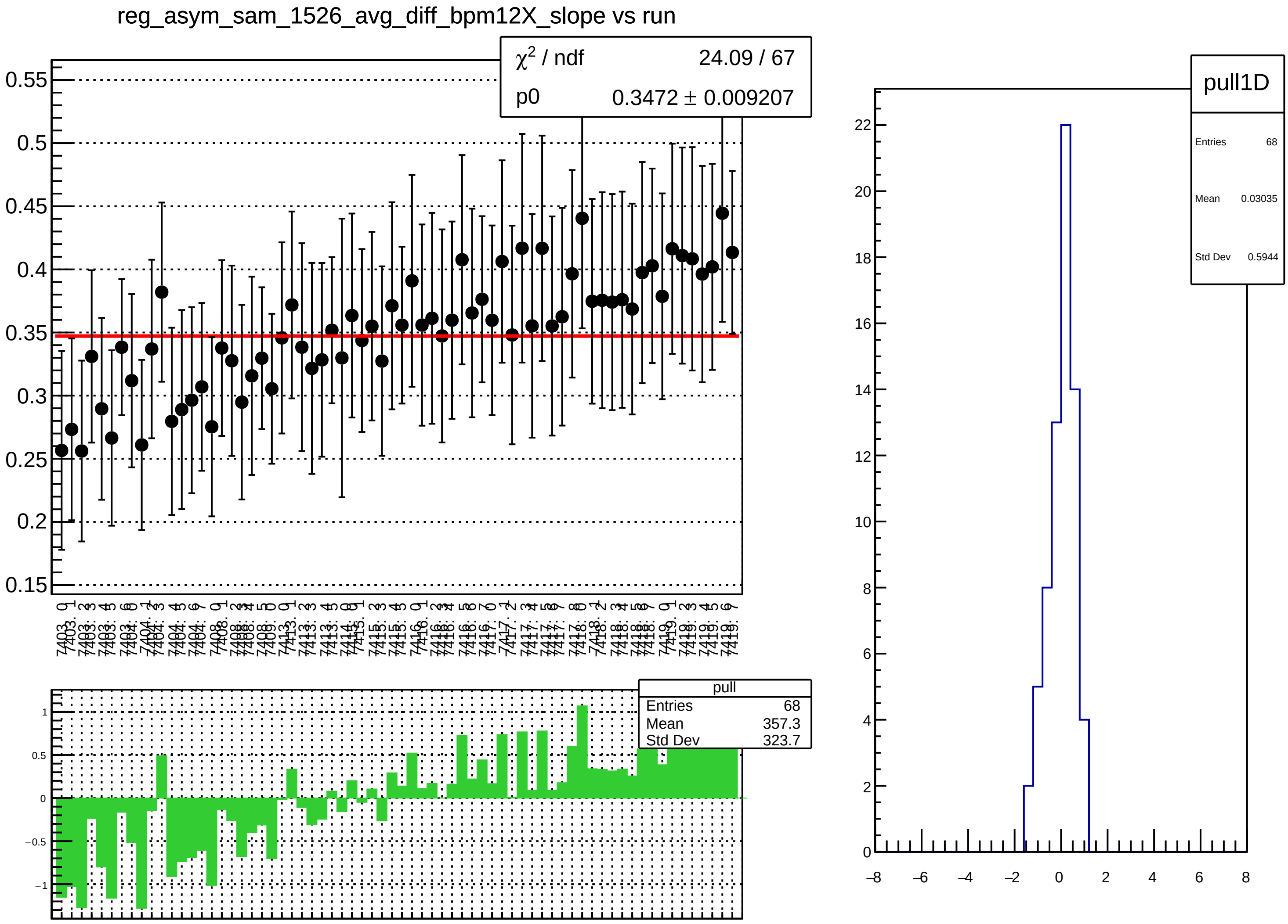
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 229.6 / 67
p0 8.263 ± 0.1975
pull
Entries 68
Mean 134.6
Std Dev 105.3
pull1D
Entries 68
Mean 0.1221
Std Dev 1.834



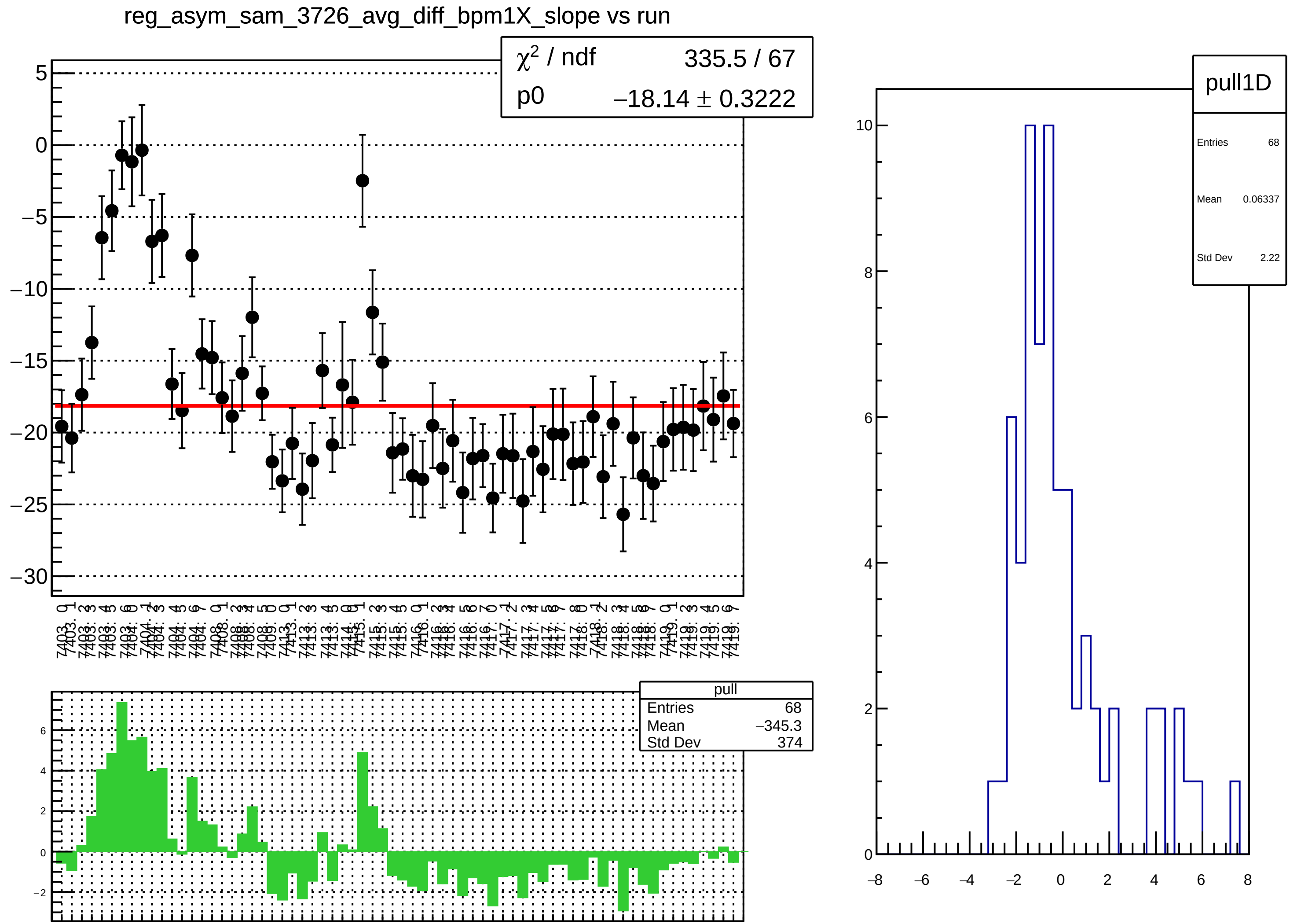
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 368.3 / 67
p0 −9.872 ± 0.203
pull
Entries 68
Mean −47.83
Std Dev 64.39
pull1D
Entries 68
Mean −0.1287
Std Dev 2.324



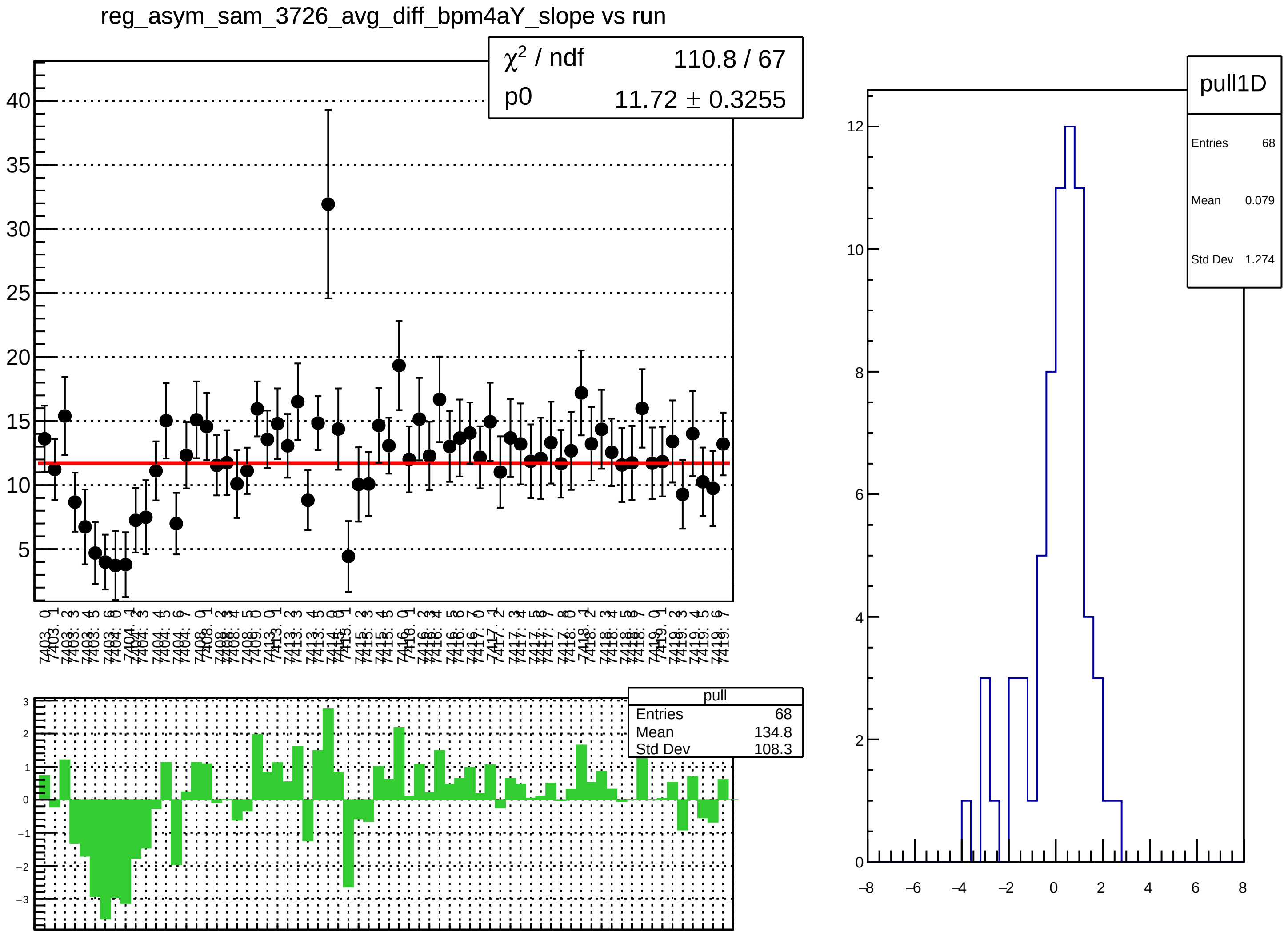
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ2 / ndf 189.1 / 67
p0 10.4 ± 0.209
pull
Entries 68
Mean 3180
Std Dev 3140
pull1D
Entries 68
Mean 0.004665
Std Dev 1.667

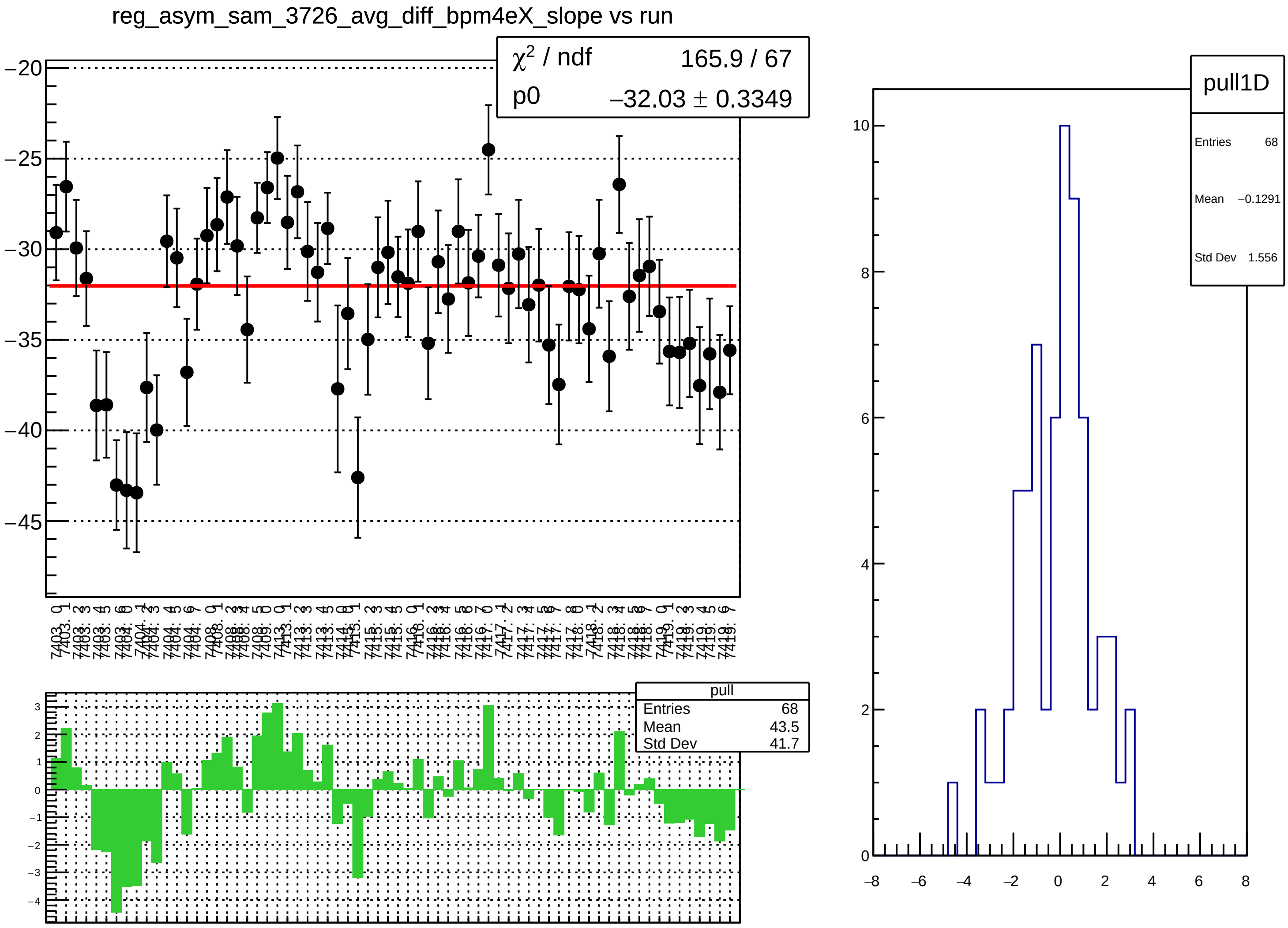


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 24.09 / 67
p0 0.3472 ± 0.009207
pull
Entries 68
Mean 357.3
Std Dev 323.7
pull1D
Entries 68
Mean 0.03035
Std Dev 0.5944

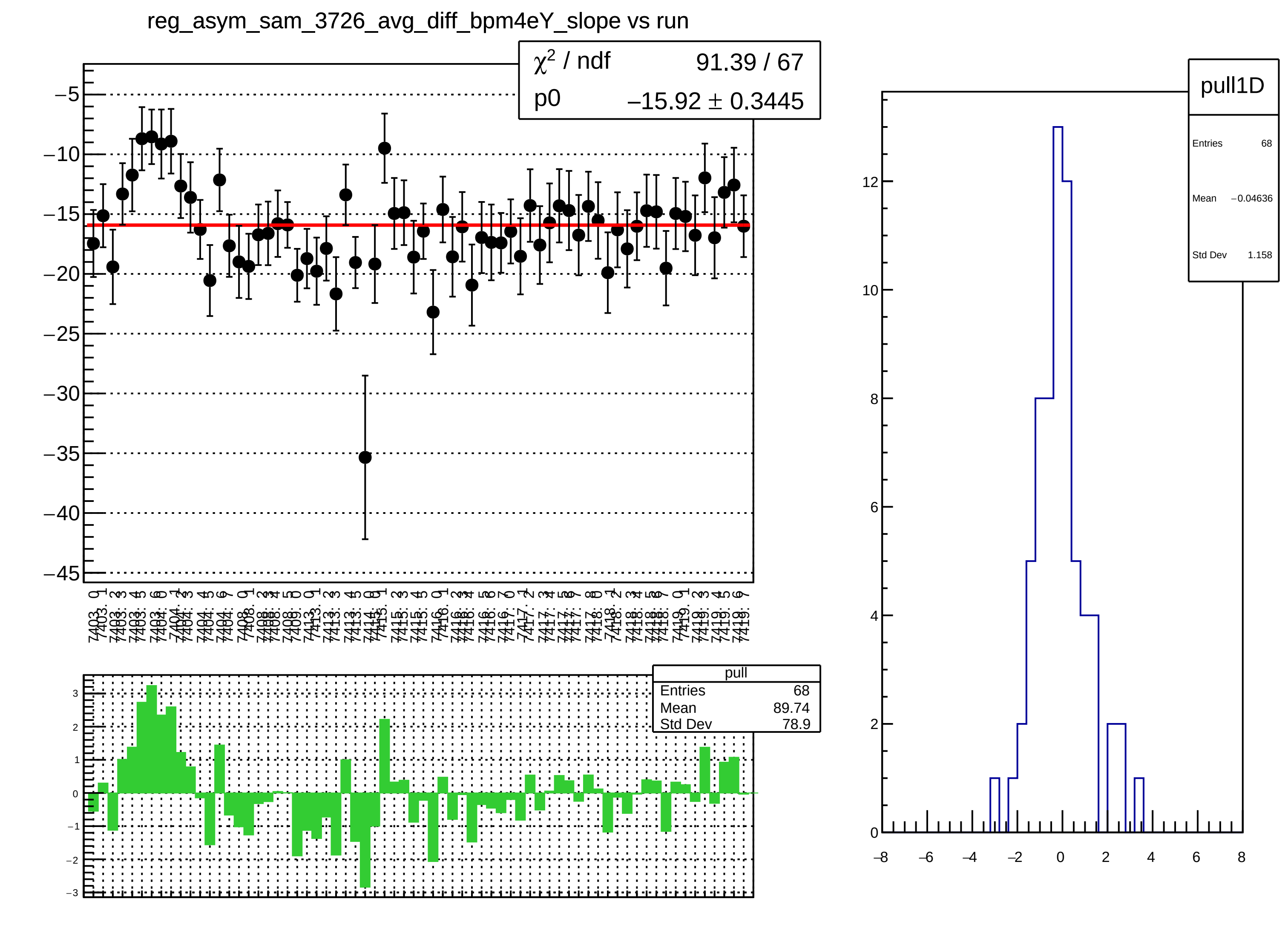


reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 335.5 / 67
p0 −18.14 ± 0.3222
pull
Entries 68
Mean −345.3
Std Dev 374
pull1D
Entries 68
Mean 0.06337
Std Dev 2.22

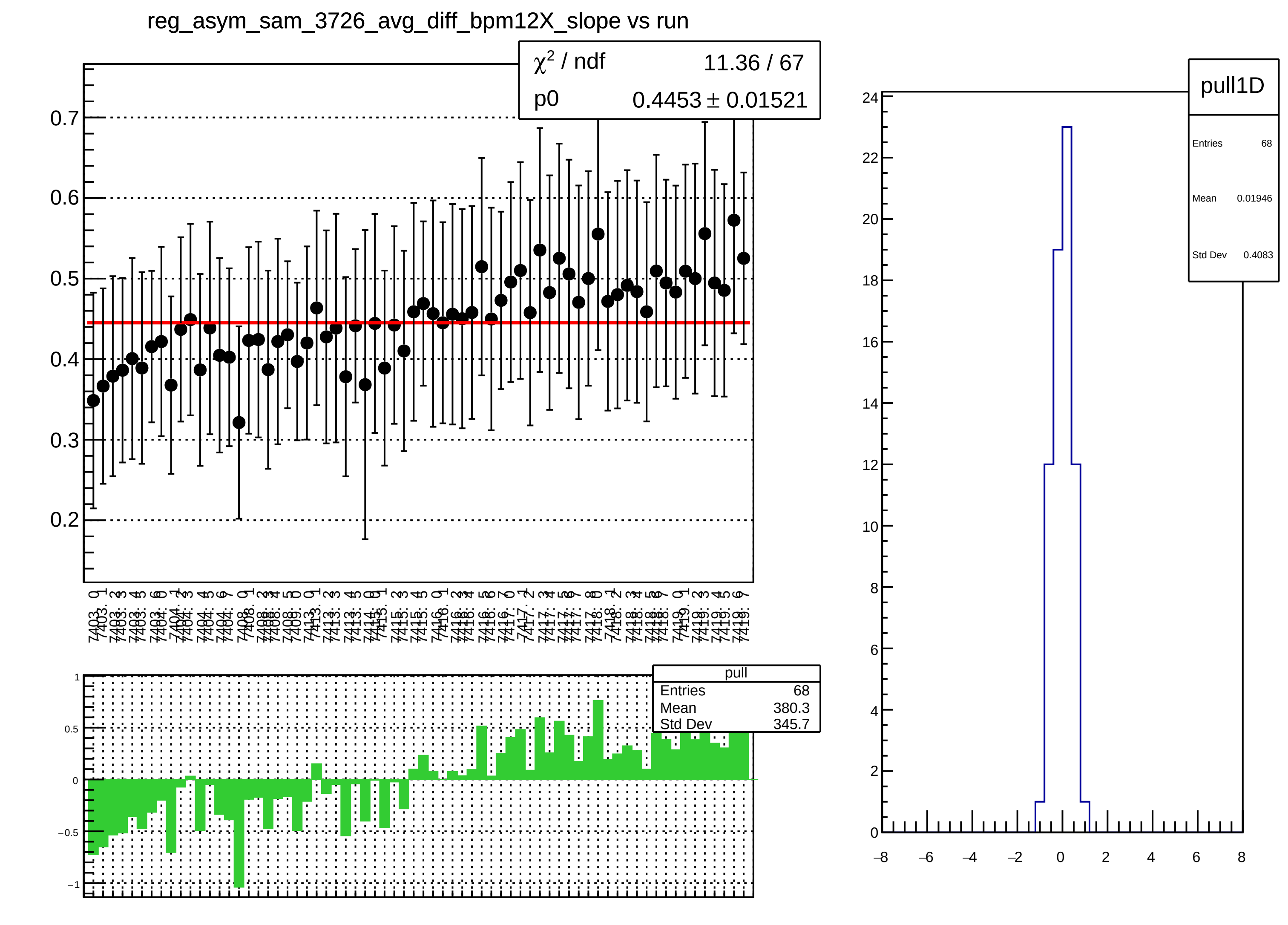

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 110.8 / 67
p0 11.72 ± 0.3255
pull
Entries 68
Mean 134.8
Std Dev 108.3
pull1D
Entries 68
Mean 0.079
Std Dev 1.274



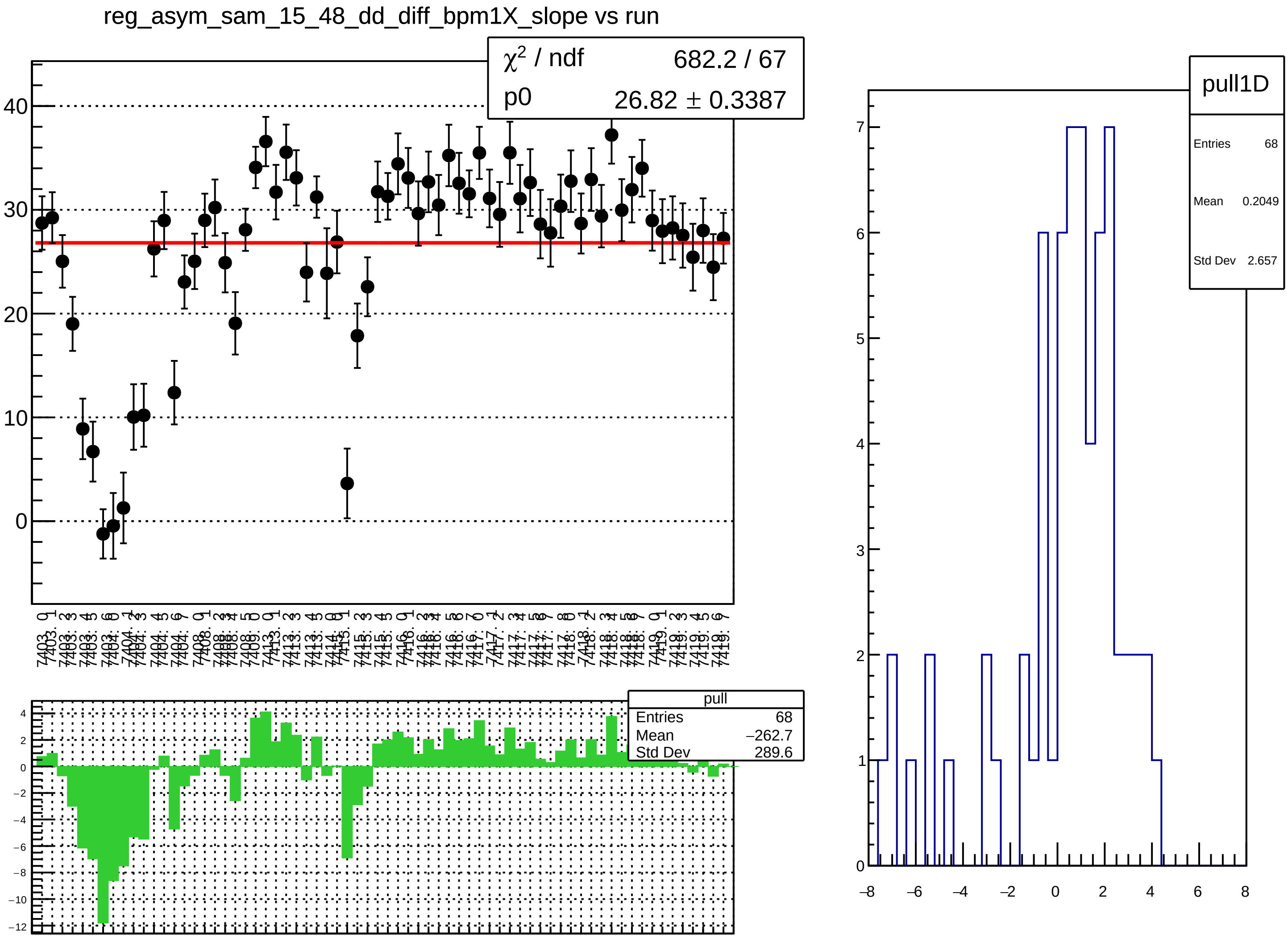
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ2 / ndf 165.9 / 67
p0 −32.03 ± 0.3349
pull
Entries 68
Mean 43.5
Std Dev 41.7
pull1D
Entries 68
Mean −0.1291
Std Dev 1.556

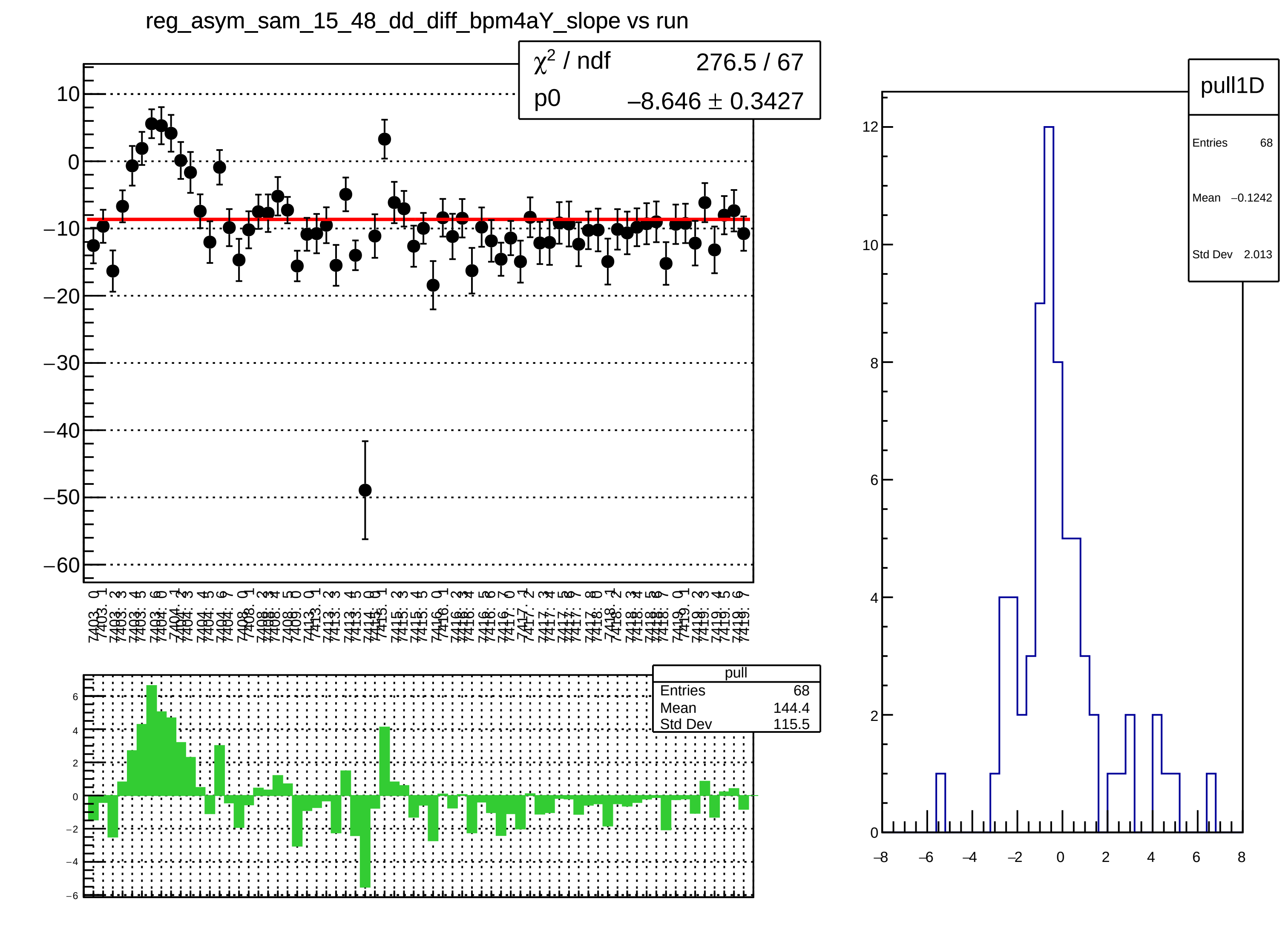


reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 91.39 / 67
p0 −15.92 ± 0.3445
pull
Entries 68
Mean 89.74
Std Dev 78.9
pull1D
Entries 68
Mean −0.04636
Std Dev 1.158

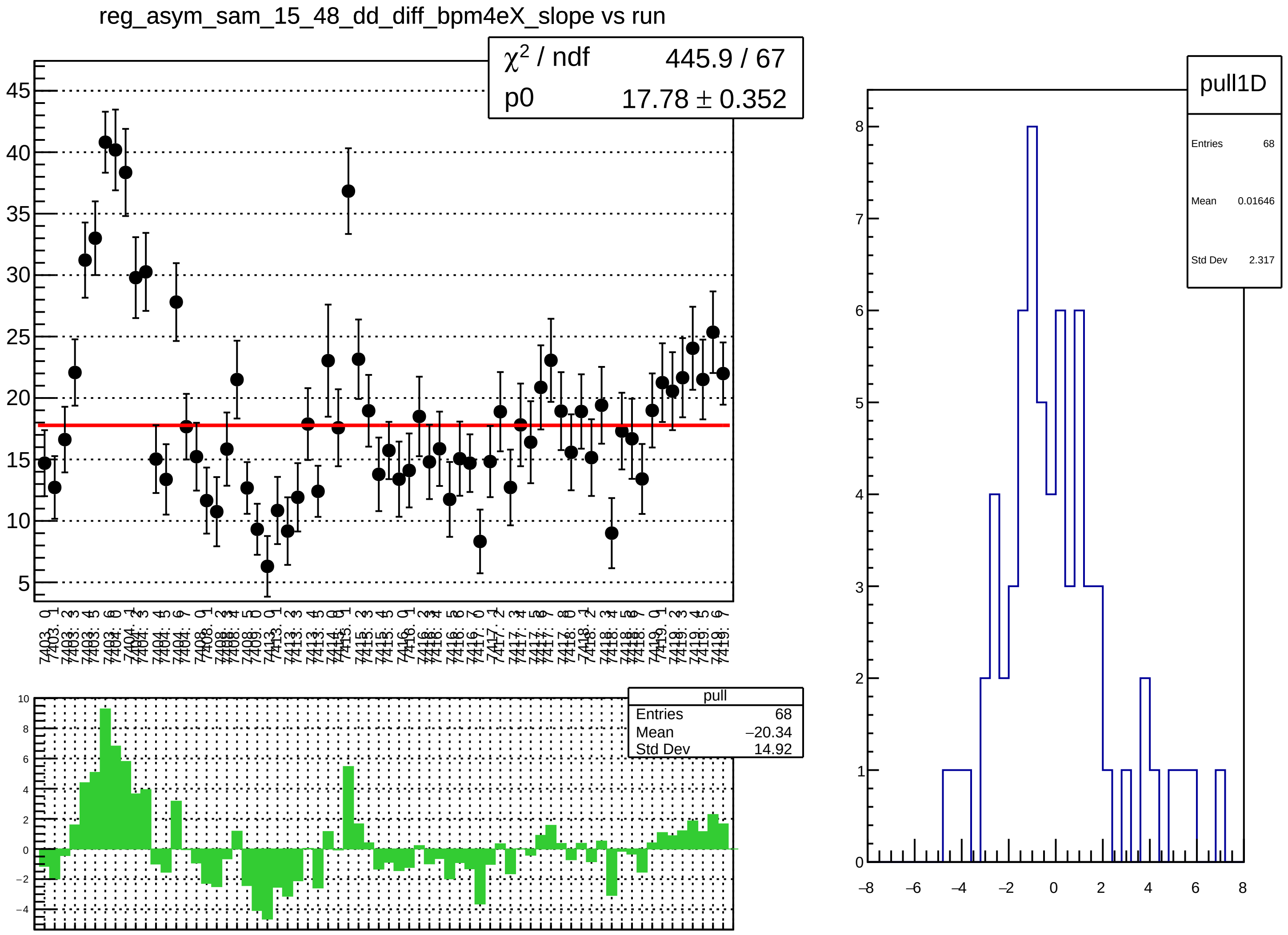


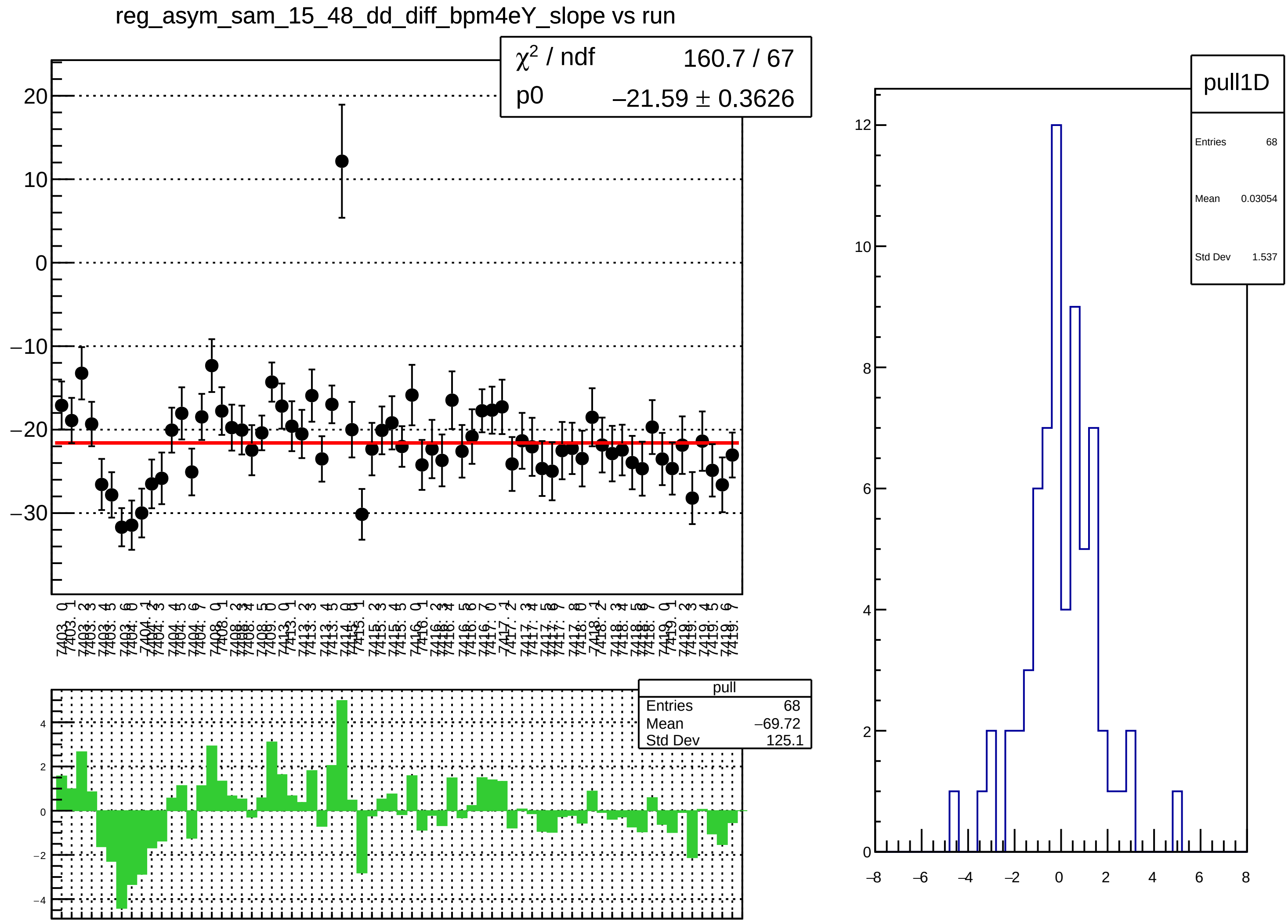
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.36 / 67
p0 0.4453 ± 0.01521
pull
Entries 68
Mean 380.3
Std Dev 345.7
pull1D
Entries 68
Mean 0.01946
Std Dev 0.4083

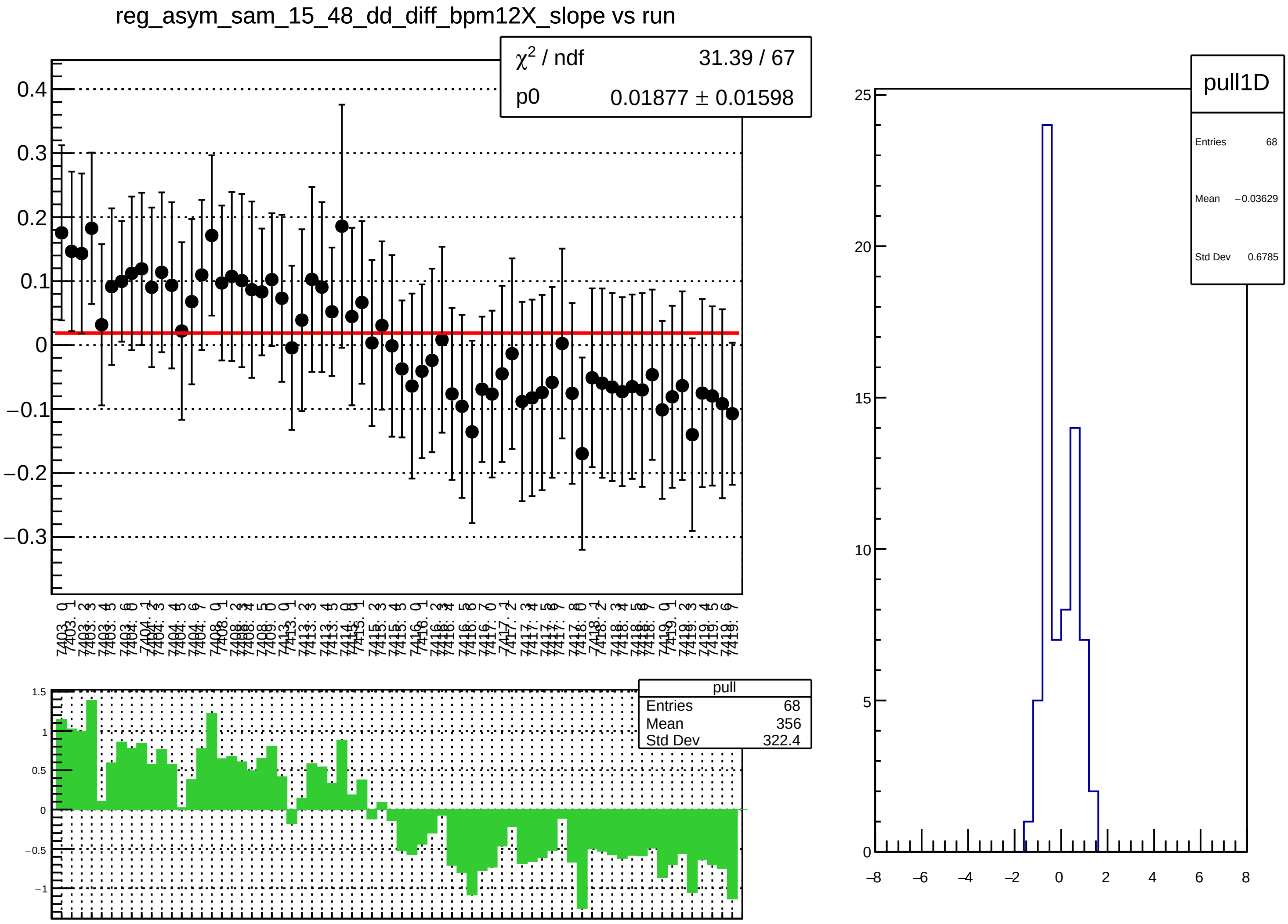

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 682.2 / 67
p0 26.82 ± 0.3387
pull
Entries 68
Mean −262.7
Std Dev 289.6
pull1D
Entries 68
Mean 0.2049
Std Dev 2.657

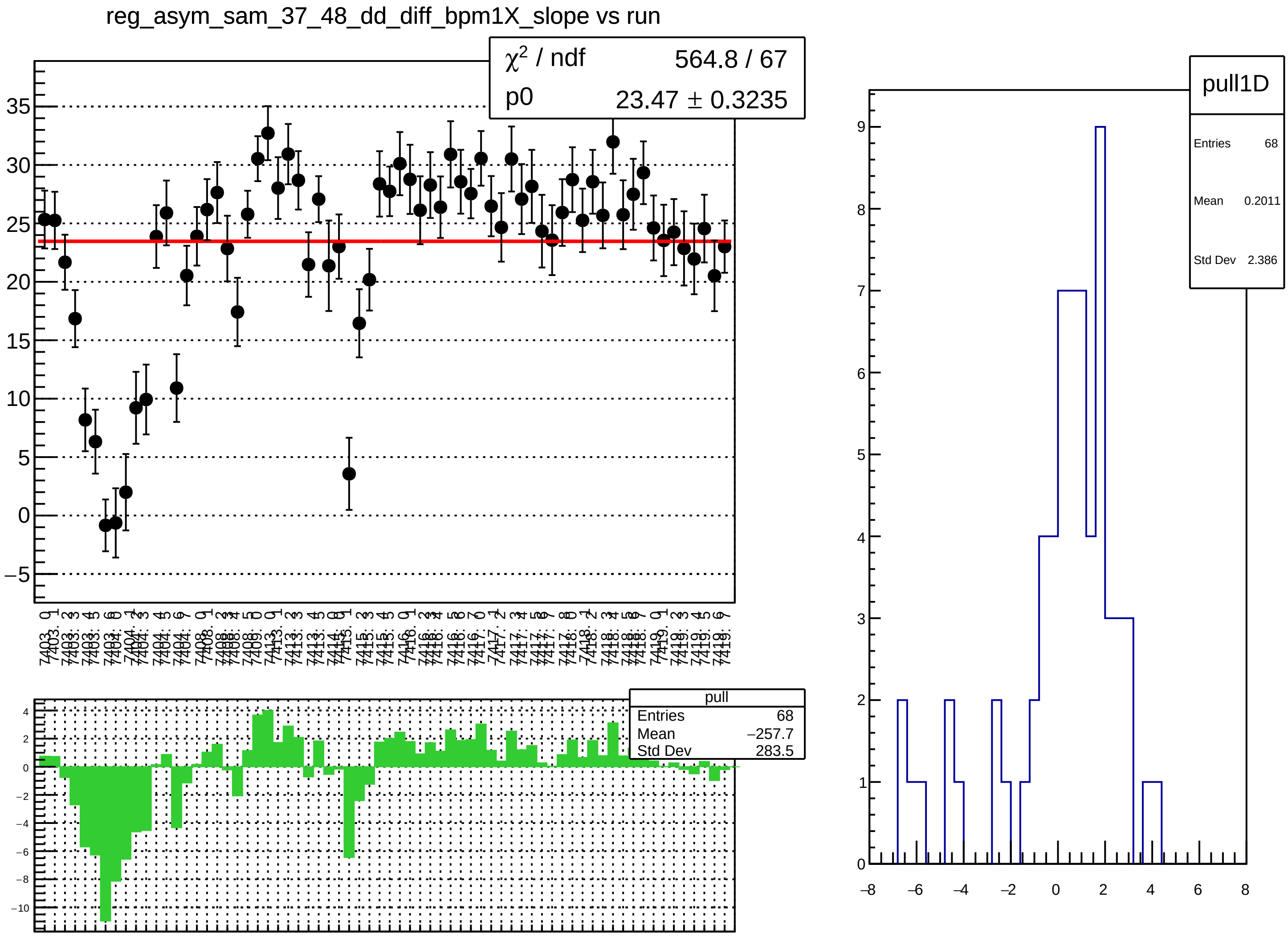


reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 276.5 / 67
p0 −8.646 ± 0.3427
pull
Entries 68
Mean 144.4
Std Dev 115.5
pull1D
Entries 68
Mean −0.1242
Std Dev 2.013

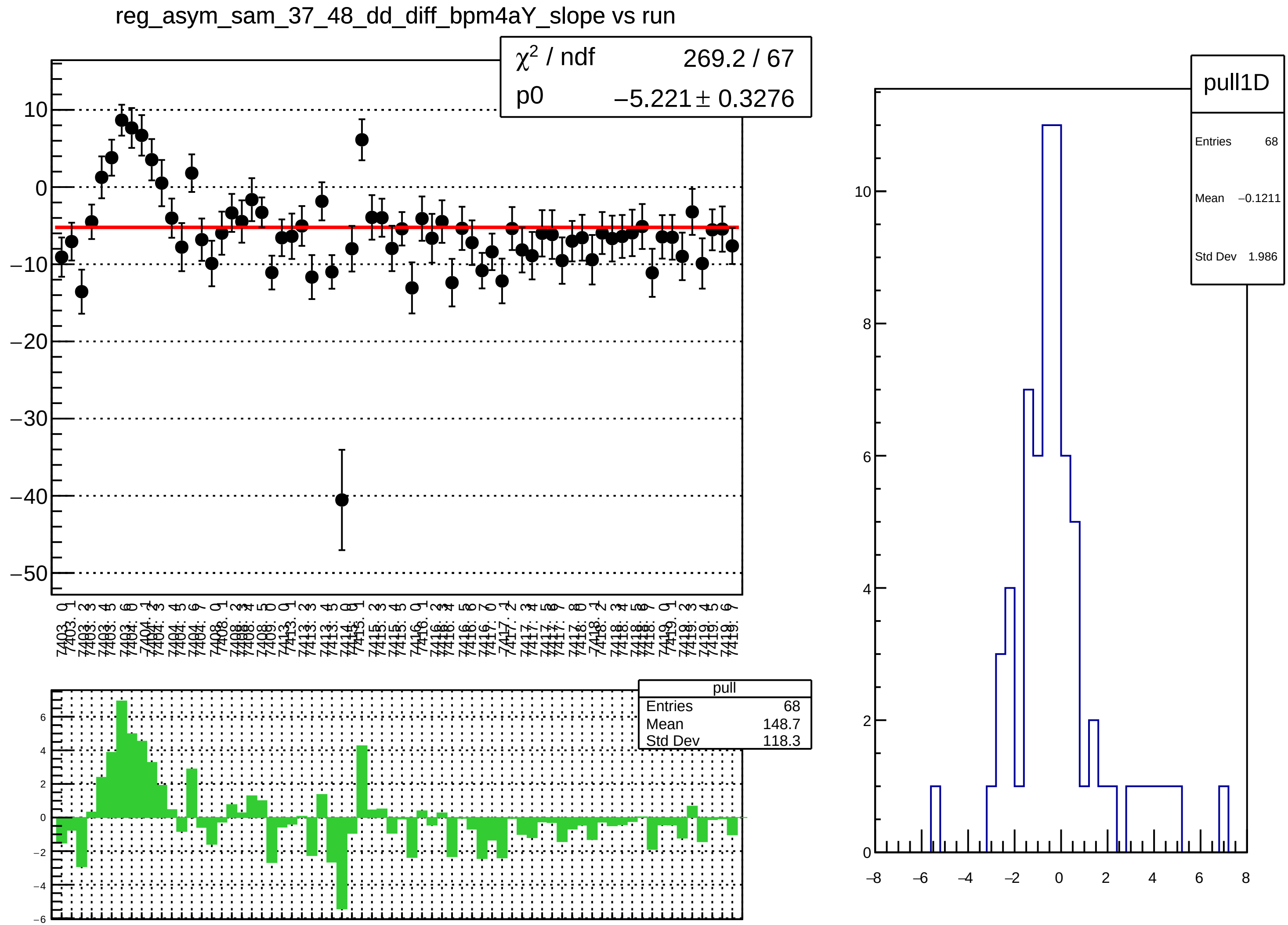

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 445.9 / 67
p0 17.78 ± 0.352
pull
Entries 68
Mean −20.34
Std Dev 14.92
pull1D
Entries 68
Mean 0.01646
Std Dev 2.317


reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 160.7 / 67
p0 −21.59 ± 0.3626
pull
Entries 68
Mean −69.72
Std Dev 125.1
pull1D
Entries 68
Mean 0.03054
Std Dev 1.537

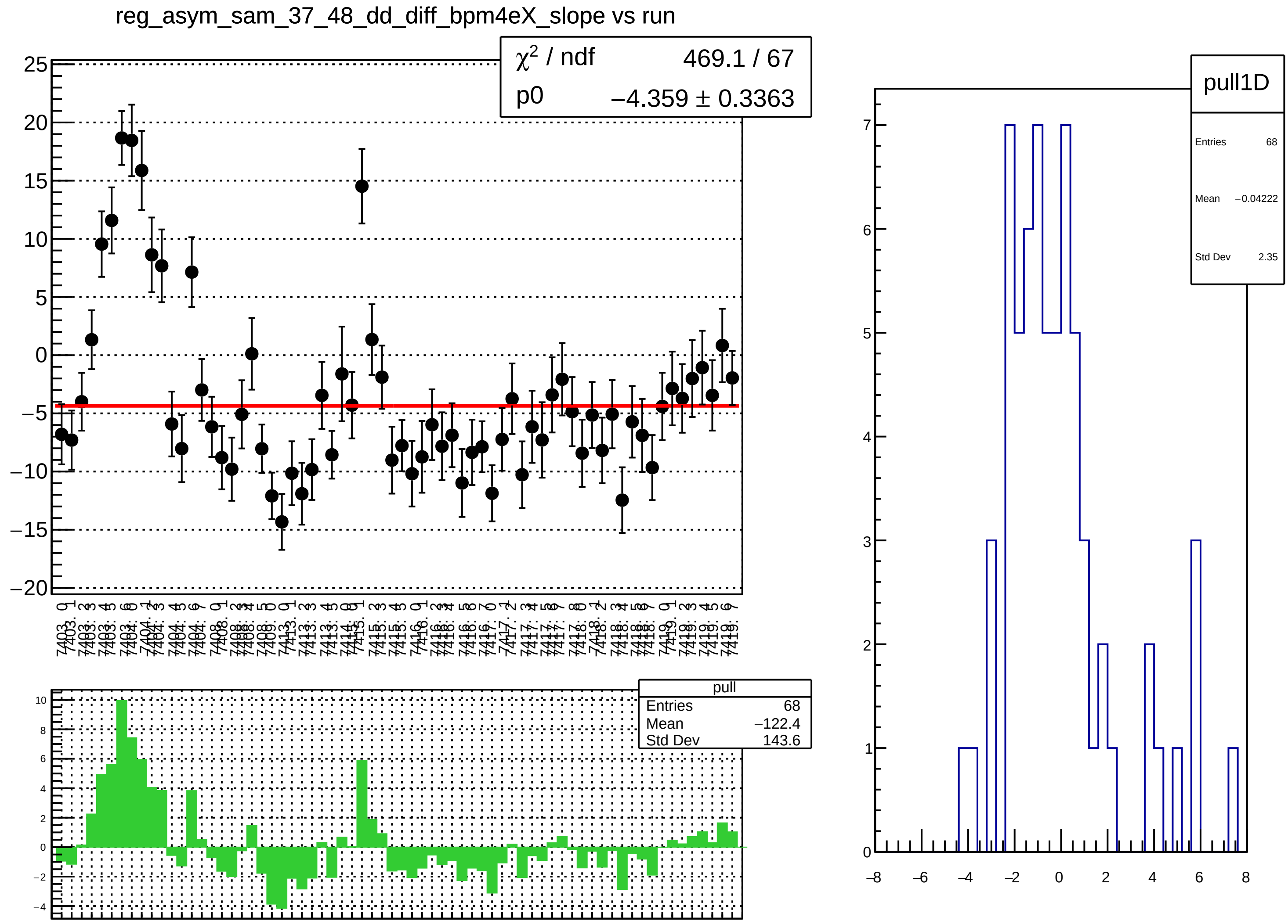

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 31.39 / 67
p0 0.01877 ± 0.01598
pull
Entries 68
Mean 356
Std Dev 322.4
pull1D
Entries 68
Mean −0.03629
Std Dev 0.6785



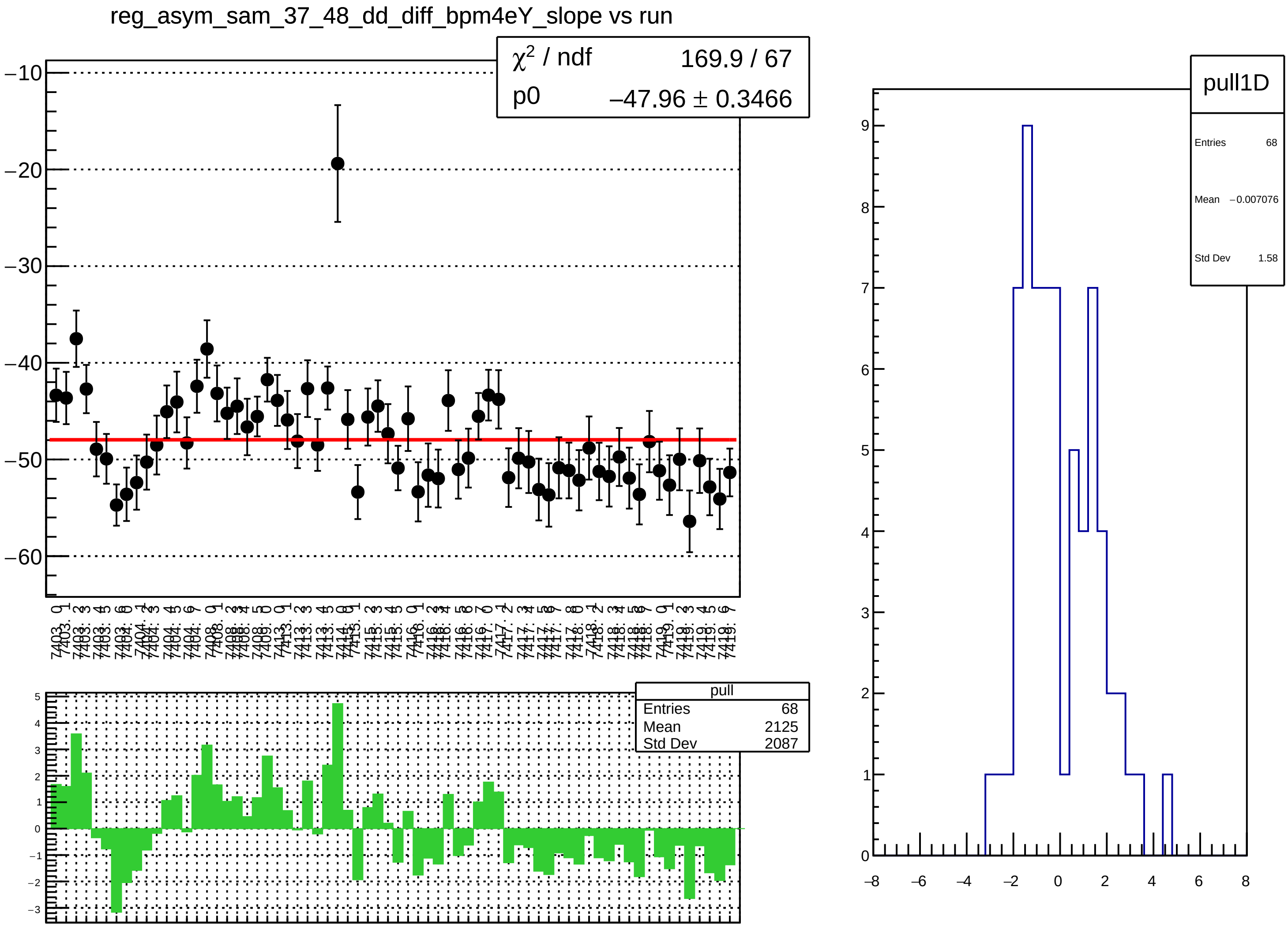
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 564.8 / 67
p0 23.47 ± 0.3235
pull
Entries 68
Mean −257.7
Std Dev 283.5
pull1D
Entries 68
Mean 0.2011
Std Dev 2.386



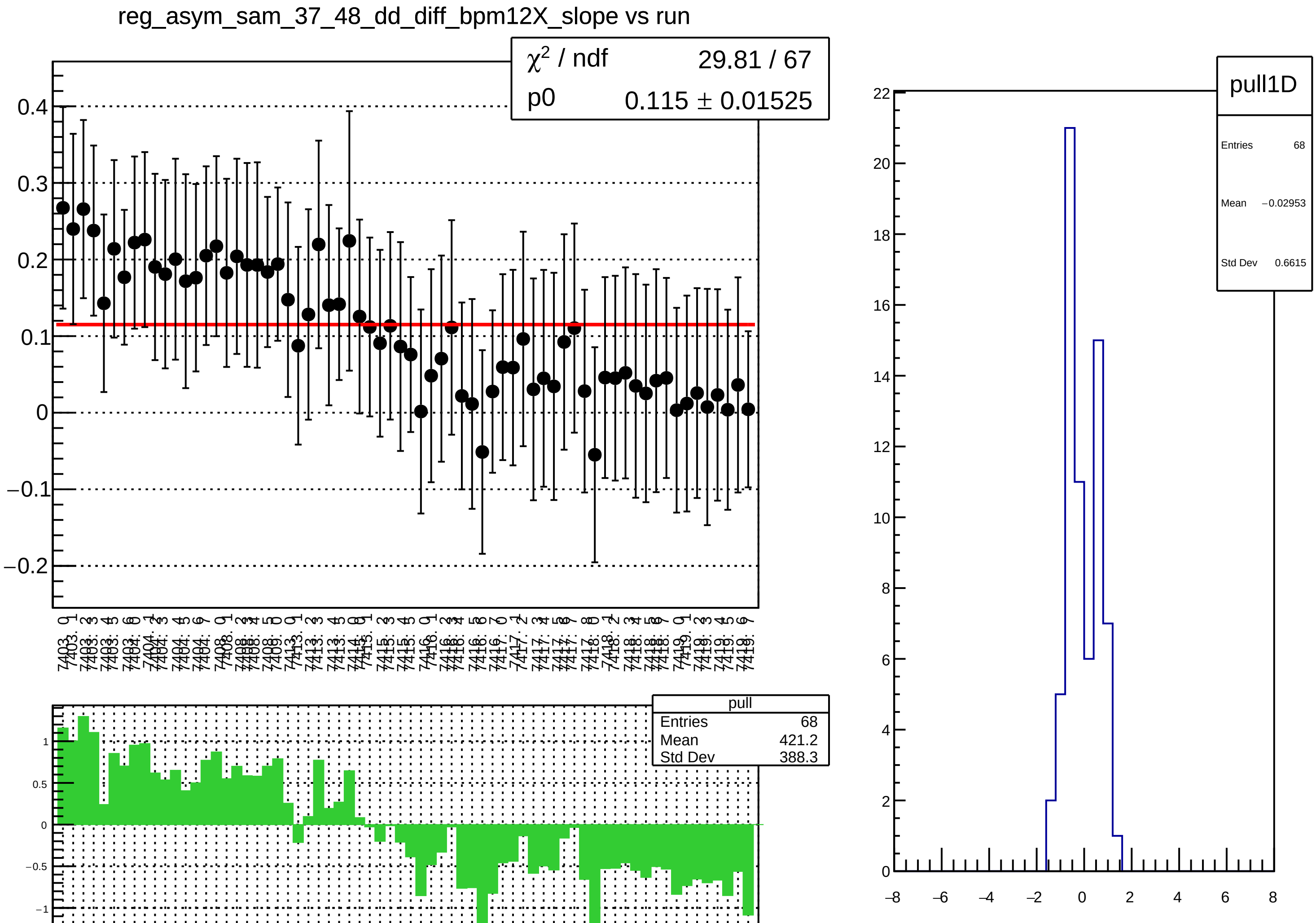
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 269.2 / 67
p0 −5.221 ± 0.3276
pull
Entries 68
Mean 148.7
Std Dev 118.3
pull1D
Entries 68
Mean −0.1211
Std Dev 1.986



reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 469.1 / 67
p0 −4.359 ± 0.3363
pull
Entries 68
Mean −122.4
Std Dev 143.6
pull1D
Entries 68
Mean −0.04222
Std Dev 2.35

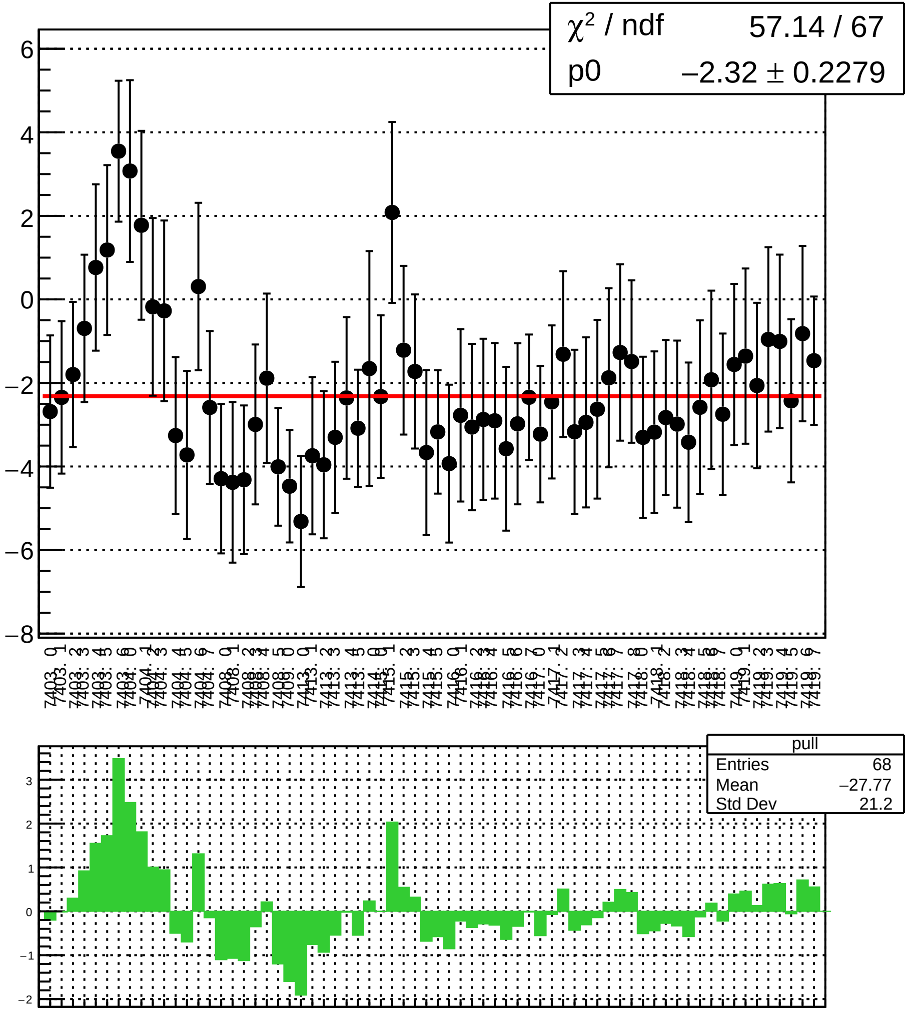


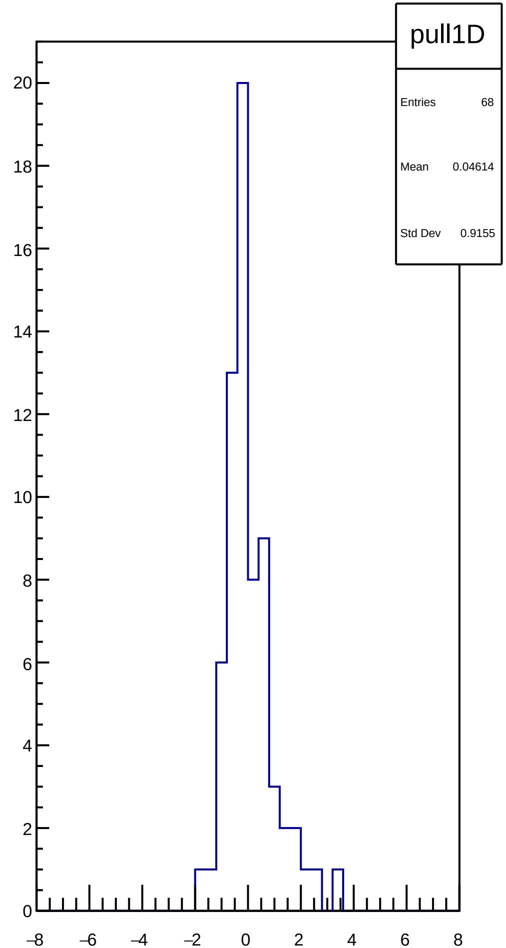
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 169.9 / 67
p0 −47.96 ± 0.3466
pull
Entries 68
Mean 2125
Std Dev 2087
pull1D
Entries 68
Mean −0.007076
Std Dev 1.58

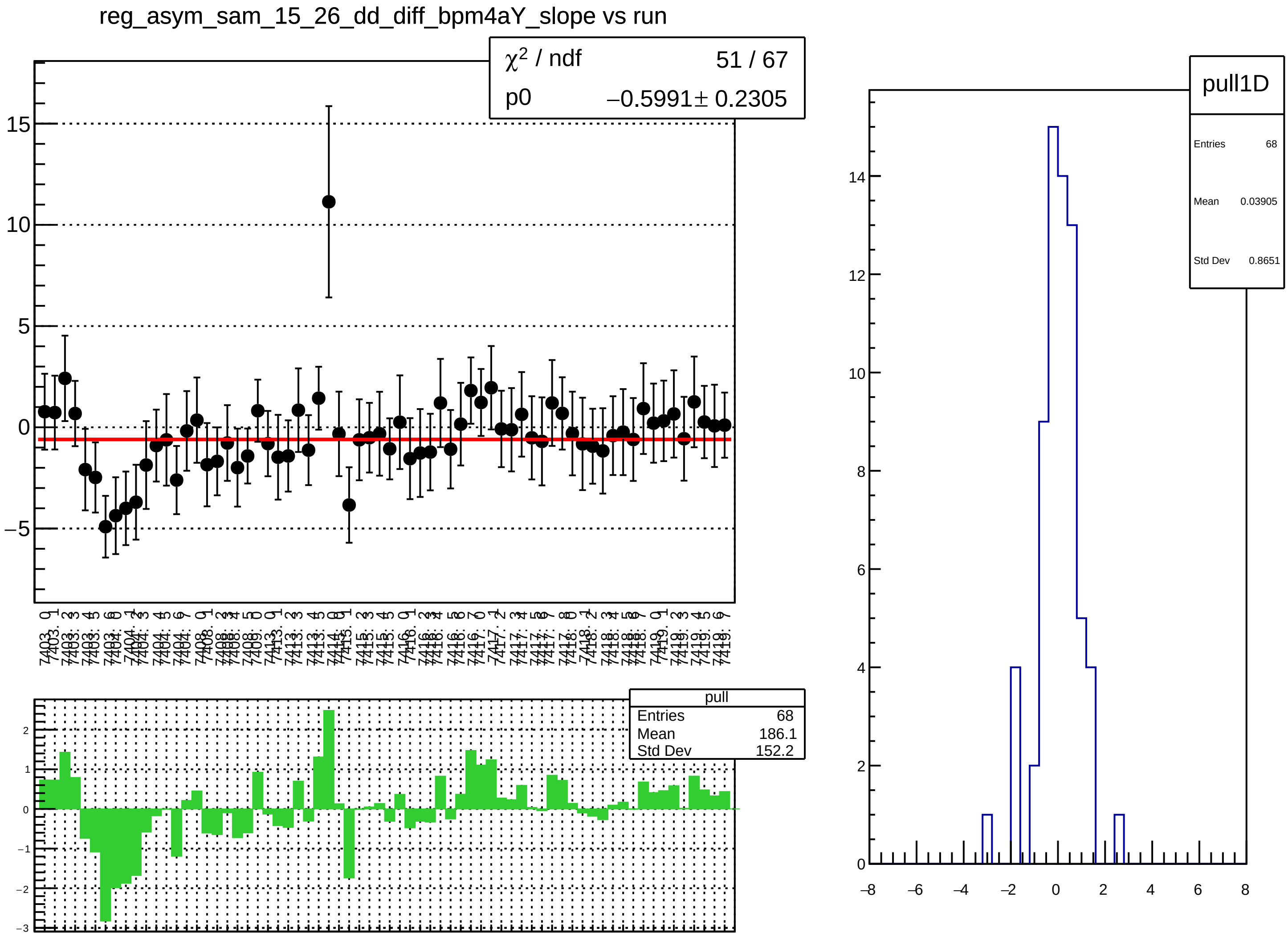


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 29.81 / 67
p0 0.115 ± 0.01525
pull
Entries 68
Mean 421.2
Std Dev 388.3
pull1D
Entries 68
Mean −0.02953
Std Dev 0.6615

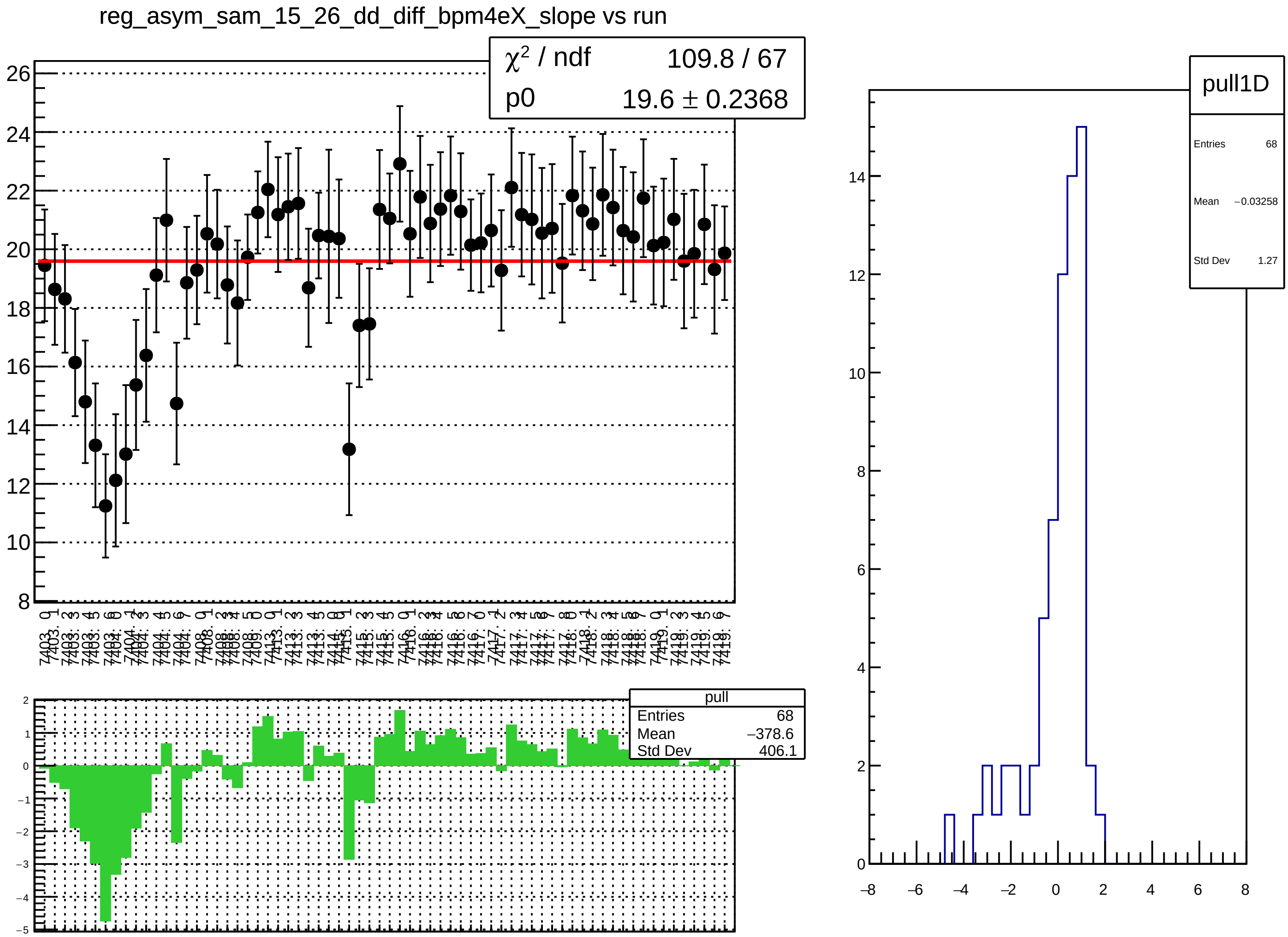
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run



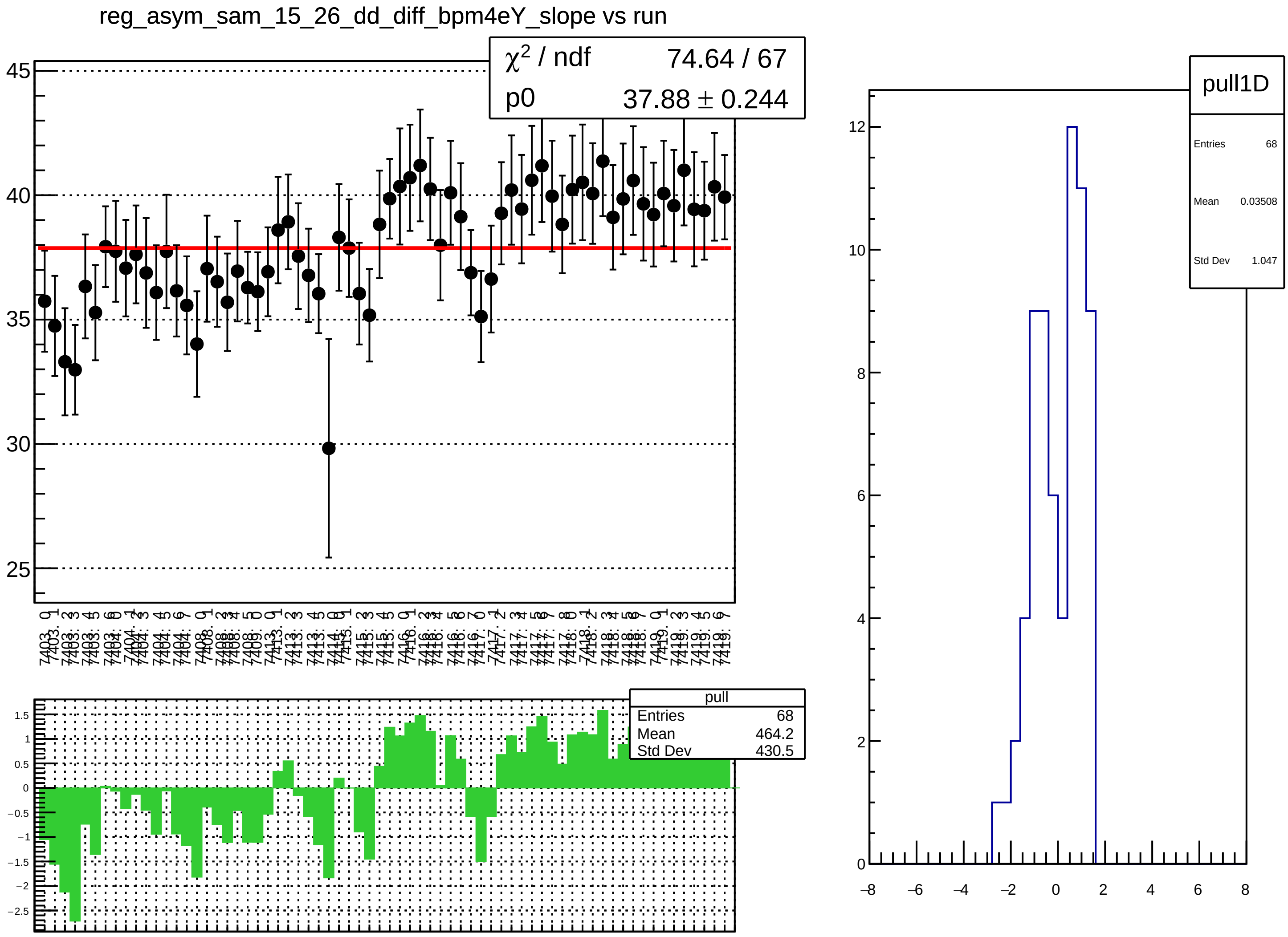


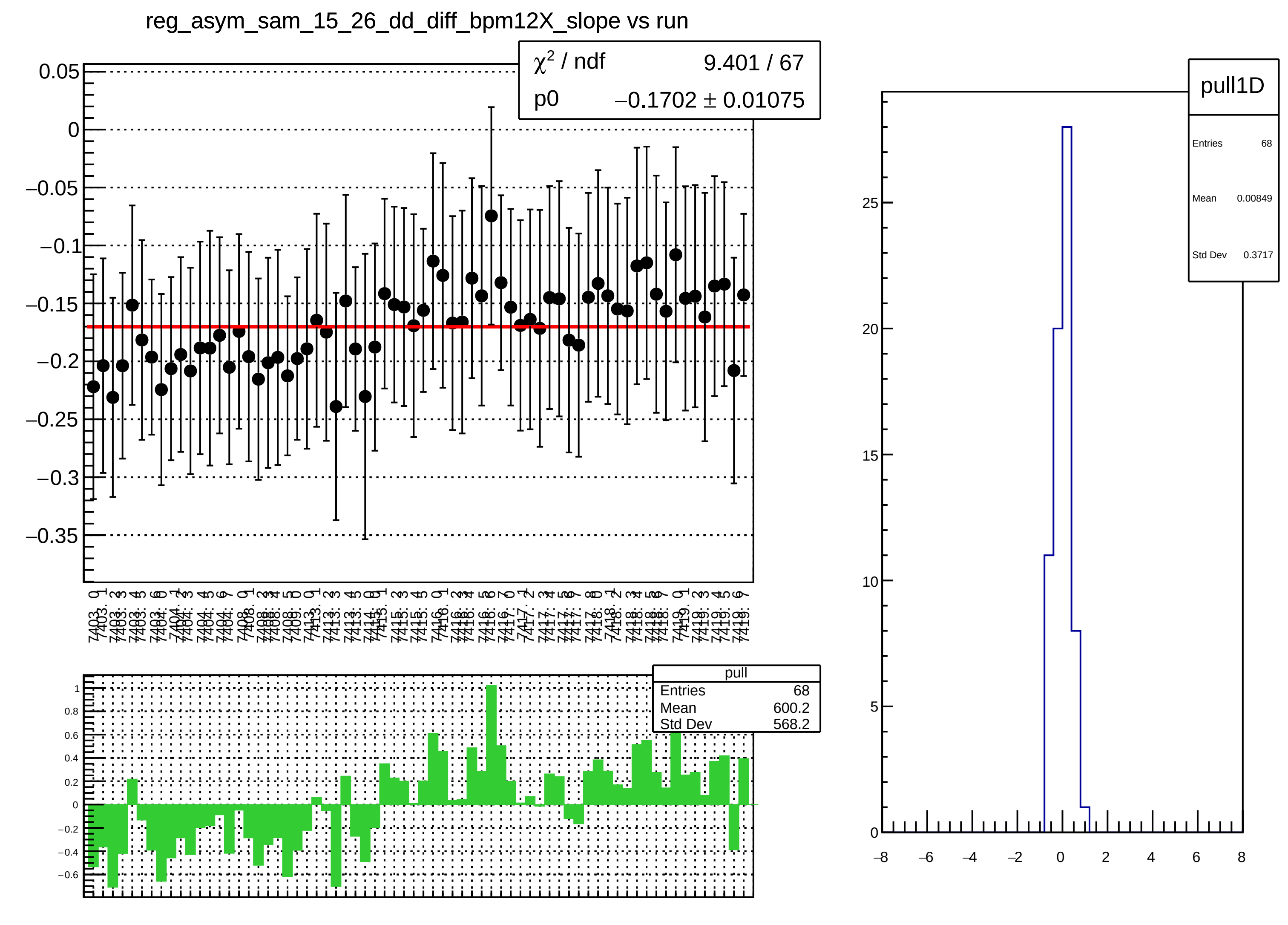


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 51 / 67
p0 −0.5991± 0.2305
pull
Entries 68
Mean 186.1
Std Dev 152.2
pull1D
Entries 68
Mean 0.03905
Std Dev 0.8651

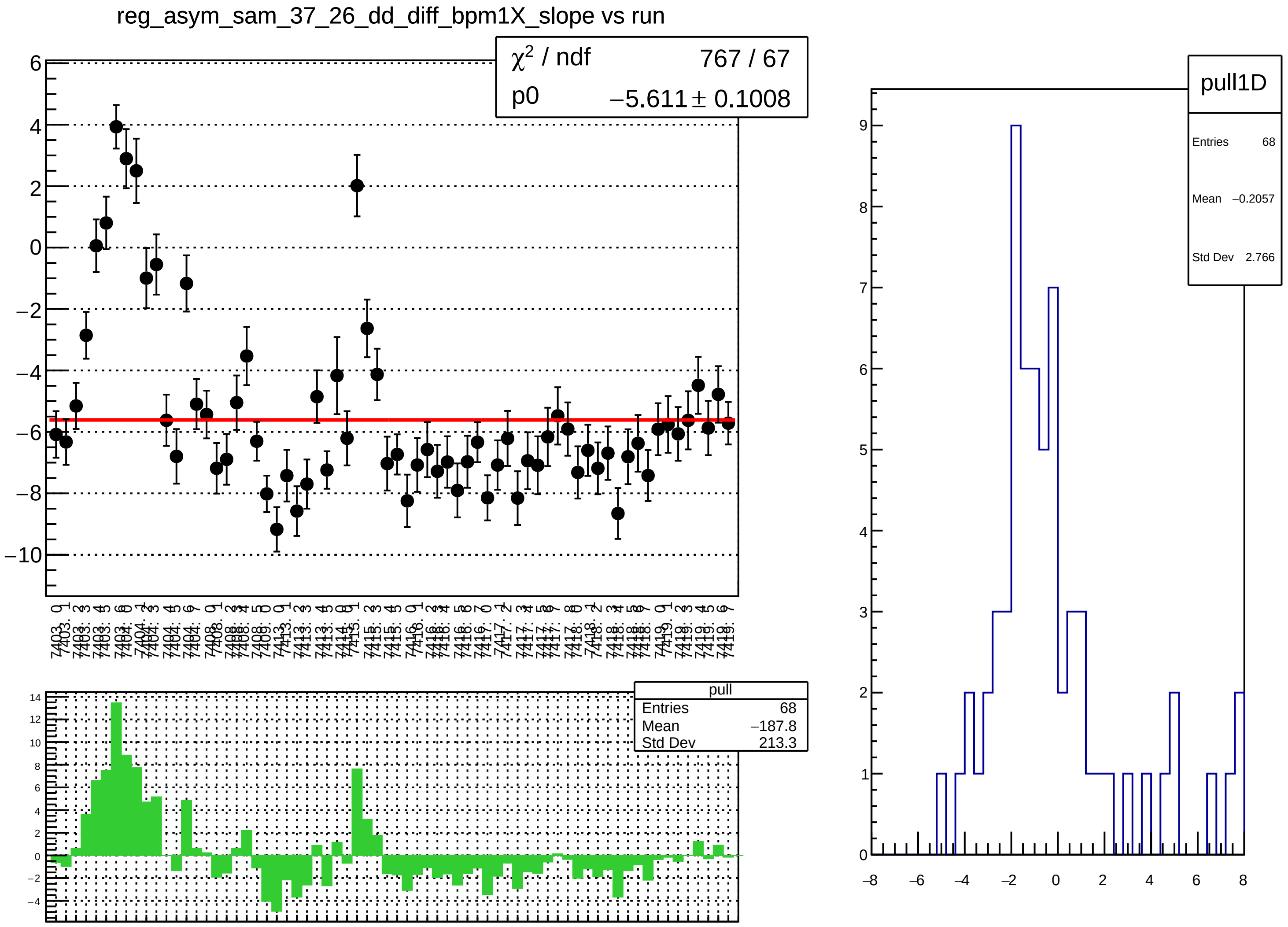


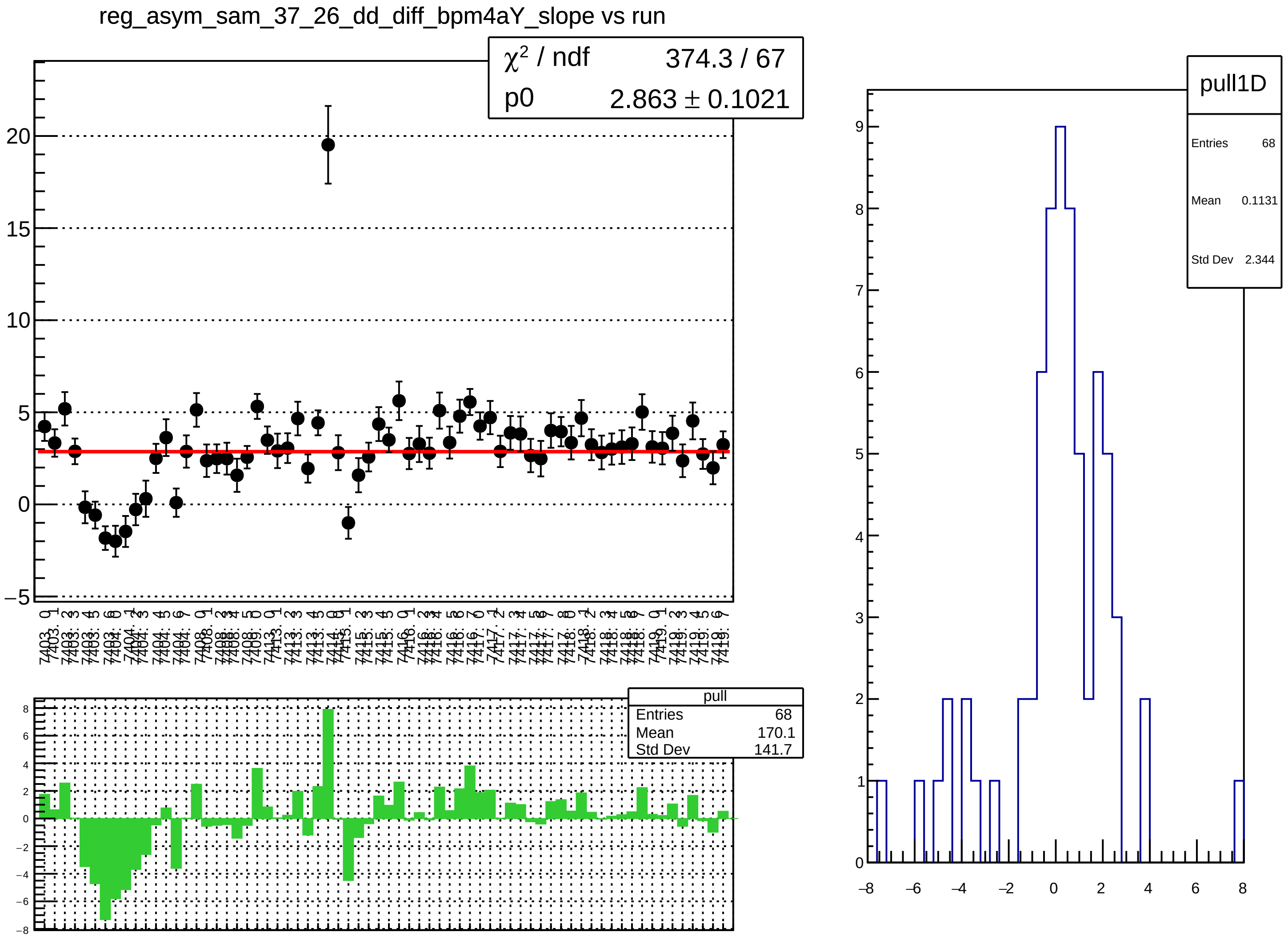
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 109.8 / 67
p0 19.6 ± 0.2368
pull
Entries 68
Mean −378.6
Std Dev 406.1
pull1D
Entries 68
Mean −0.03258
Std Dev 1.27


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 74.64 / 67
p0 37.88 ± 0.244
pull
Entries 68
Mean 464.2
Std Dev 430.5
pull1D
Entries 68
Mean 0.03508
Std Dev 1.047

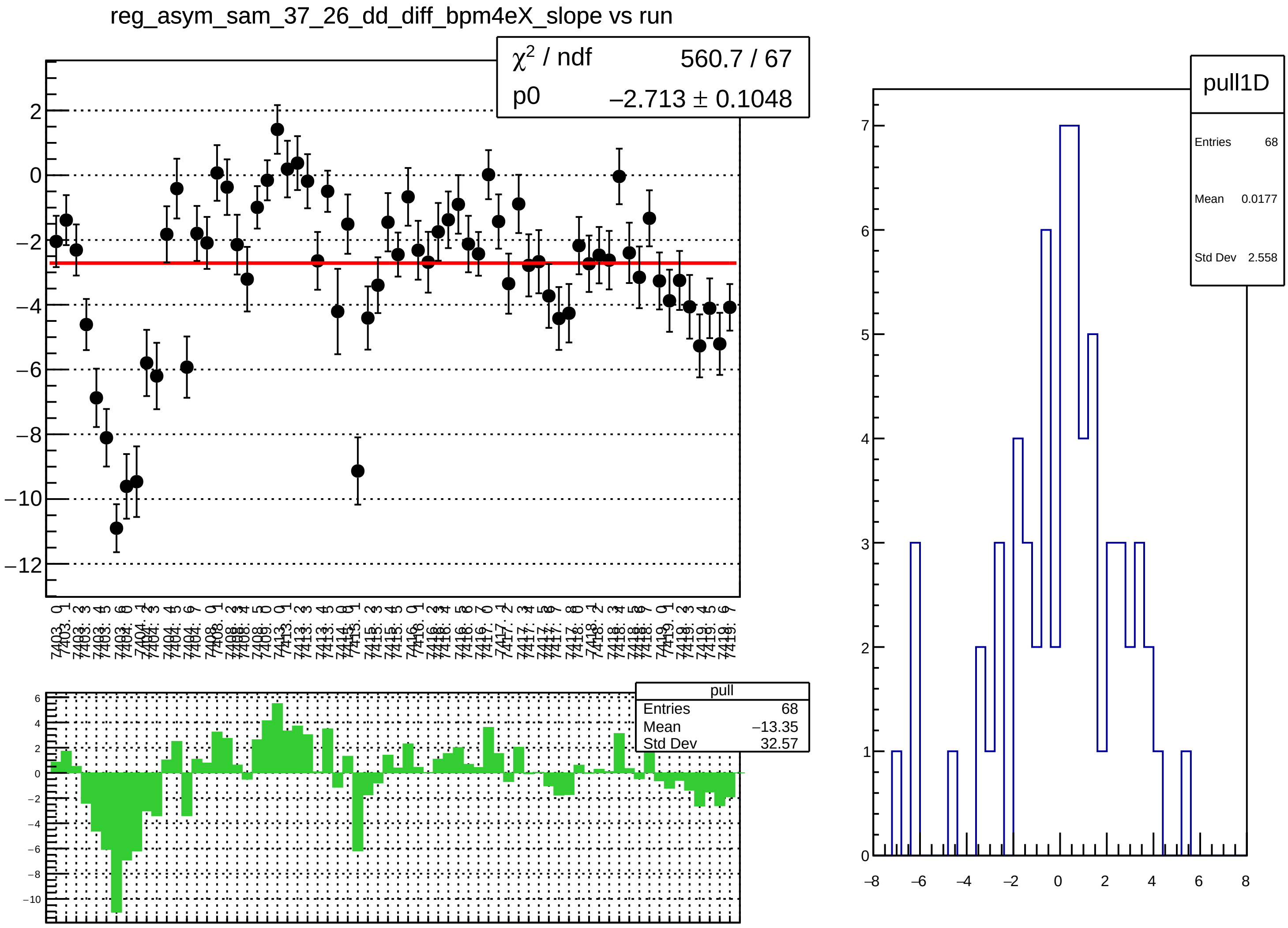


reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.401 / 67
p0 −0.1702 ± 0.01075
pull
Entries 68
Mean 600.2
Std Dev 568.2
pull1D
Entries 68
Mean 0.00849
Std Dev 0.3717

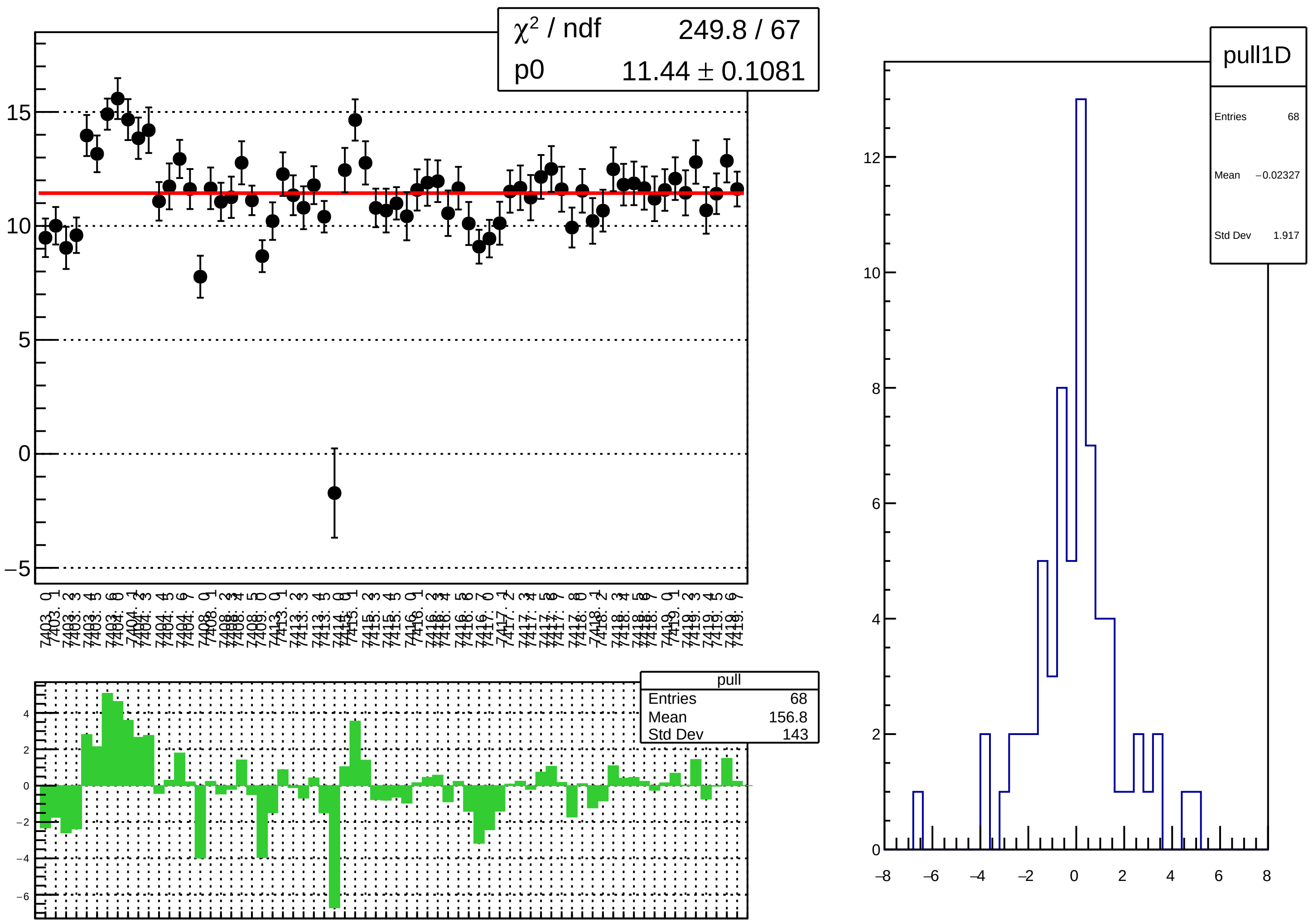

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 767 / 67
p0 −5.611 ± 0.1008
pull
Entries 68
Mean −187.8
Std Dev 213.3
pull1D
Entries 68
Mean −0.2057
Std Dev 2.766

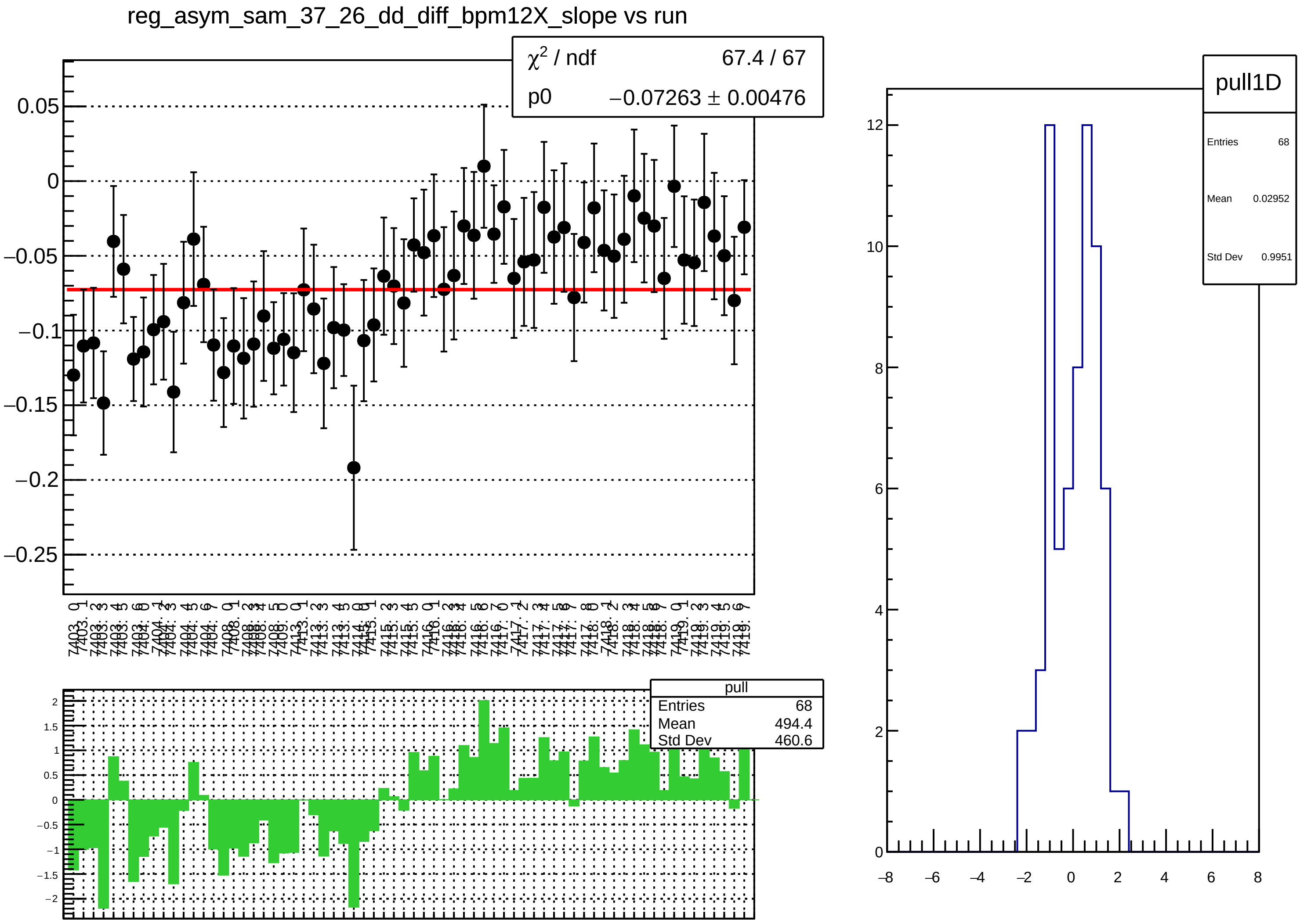


reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 374.3 / 67
p0 2.863 ± 0.1021
pull
Entries 68
Mean 170.1
Std Dev 141.7
pull1D
Entries 68
Mean 0.1131
Std Dev 2.344


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 560.7 / 67
p0 −2.713 ± 0.1048
pull
Entries 68
Mean −13.35
Std Dev 32.57
pull1D
Entries 68
Mean 0.0177
Std Dev 2.558

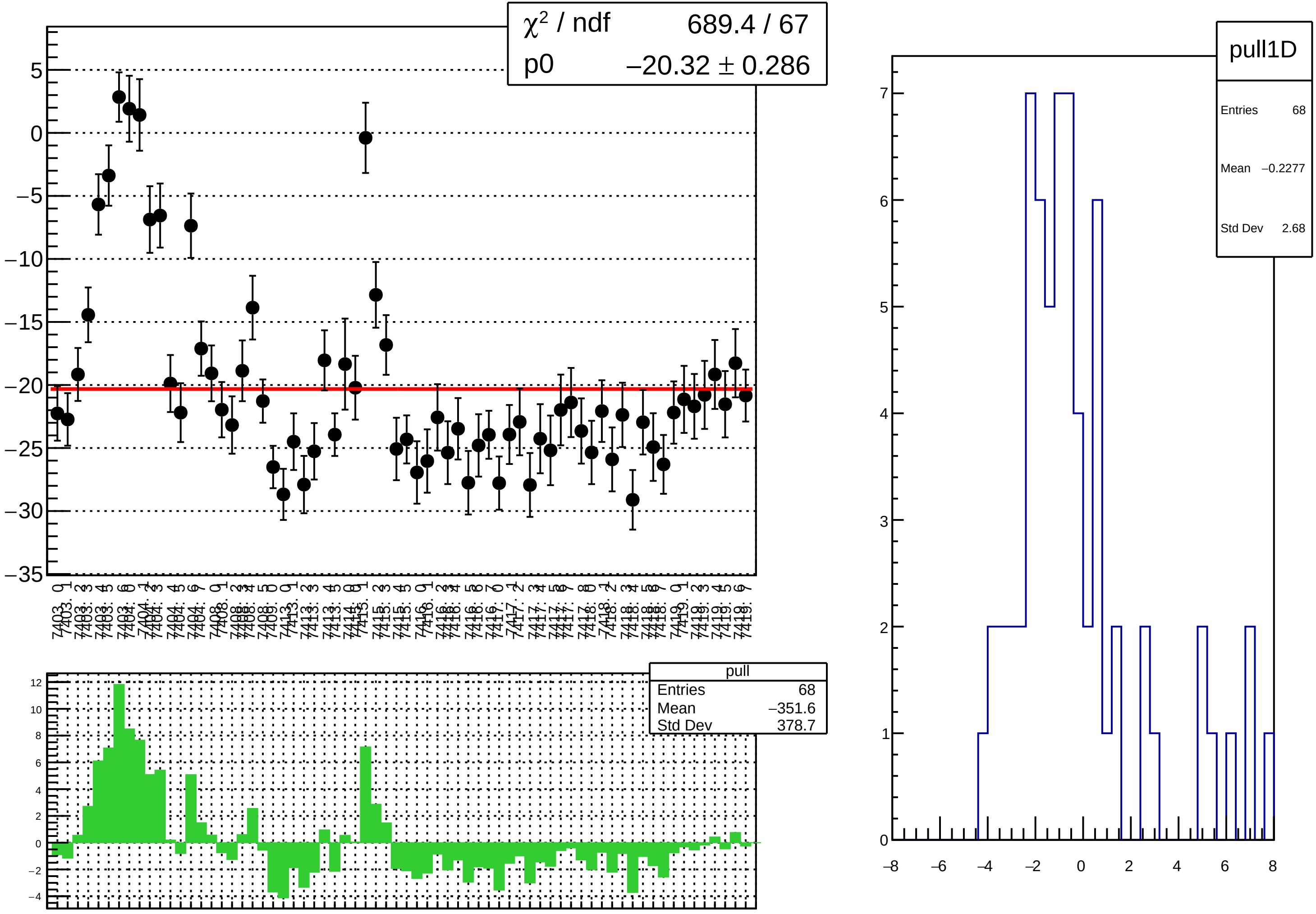
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run

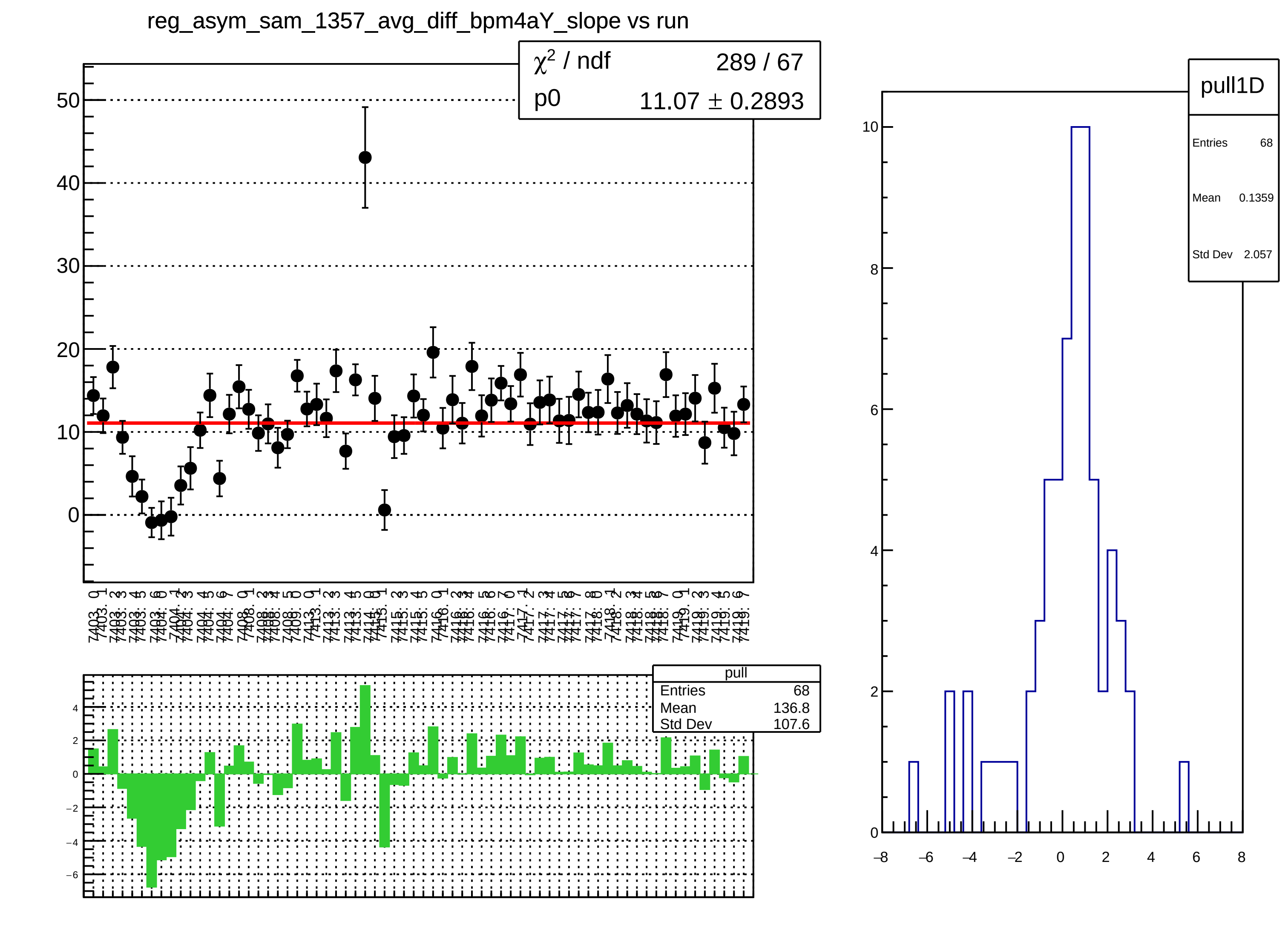




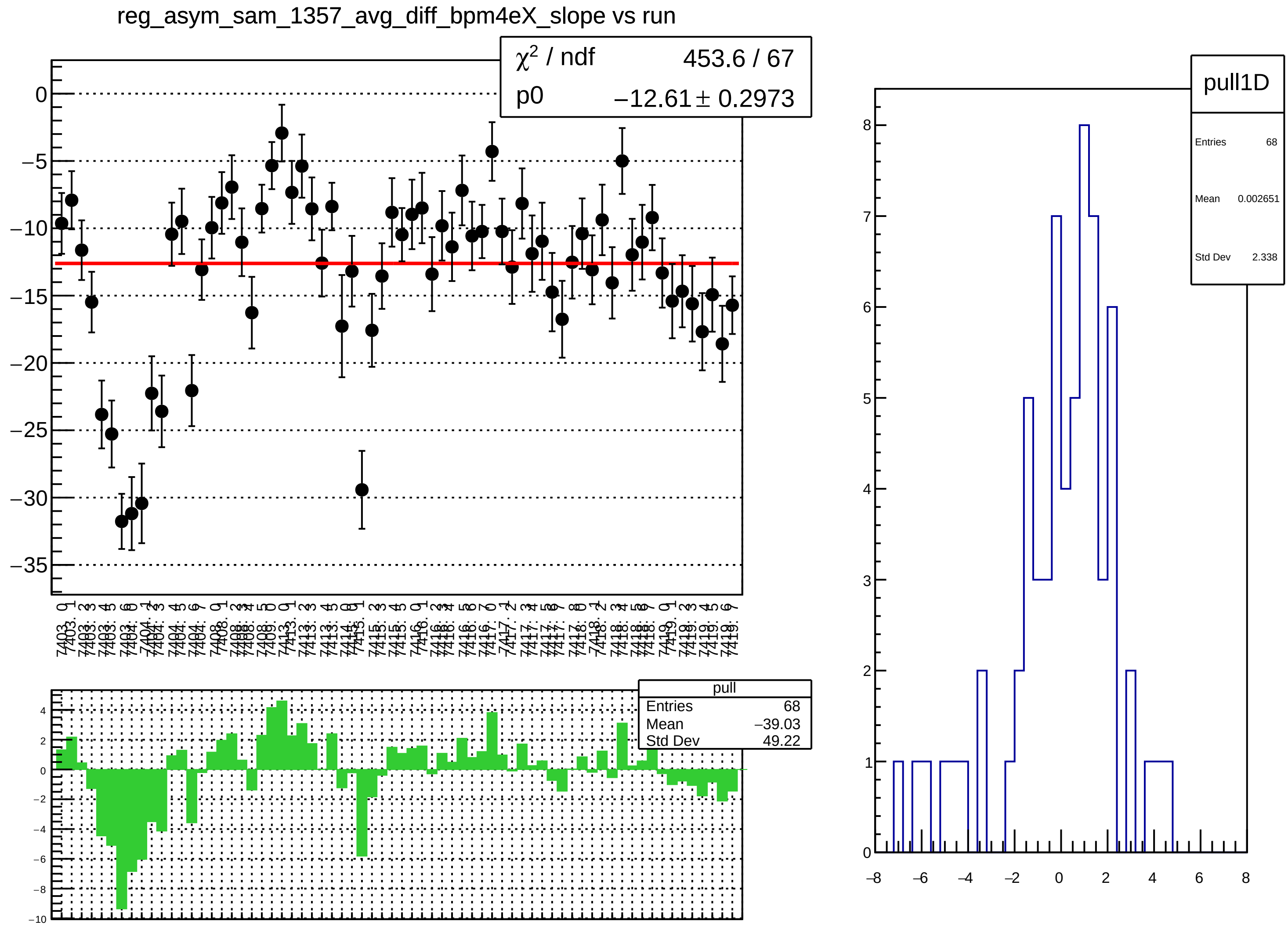
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 67.4 / 67
p0 −0.07263 ± 0.00476
pull
Entries 68
Mean 494.4
Std Dev 460.6
pull1D
Entries 68
Mean 0.02952
Std Dev 0.9951

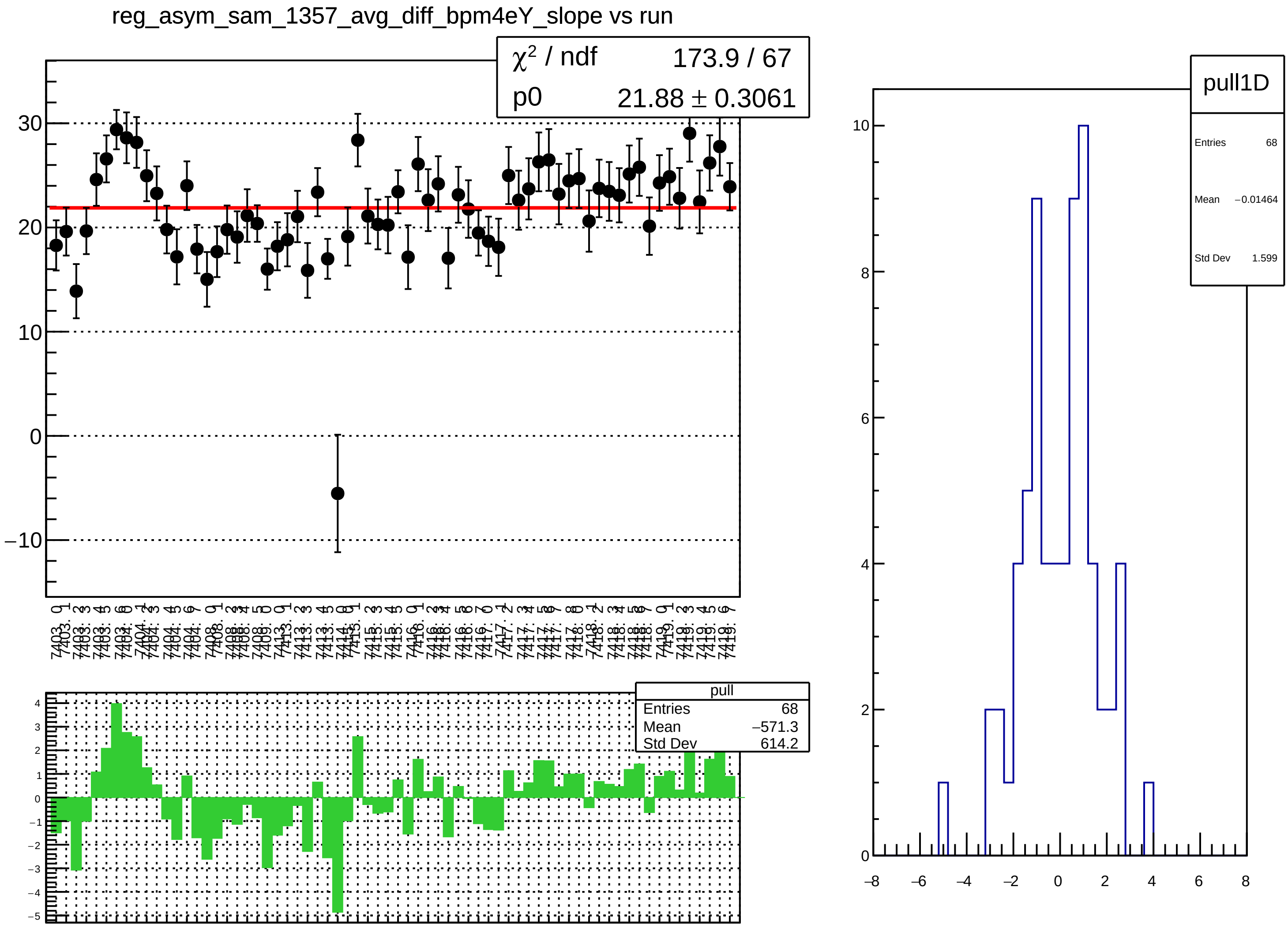
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run

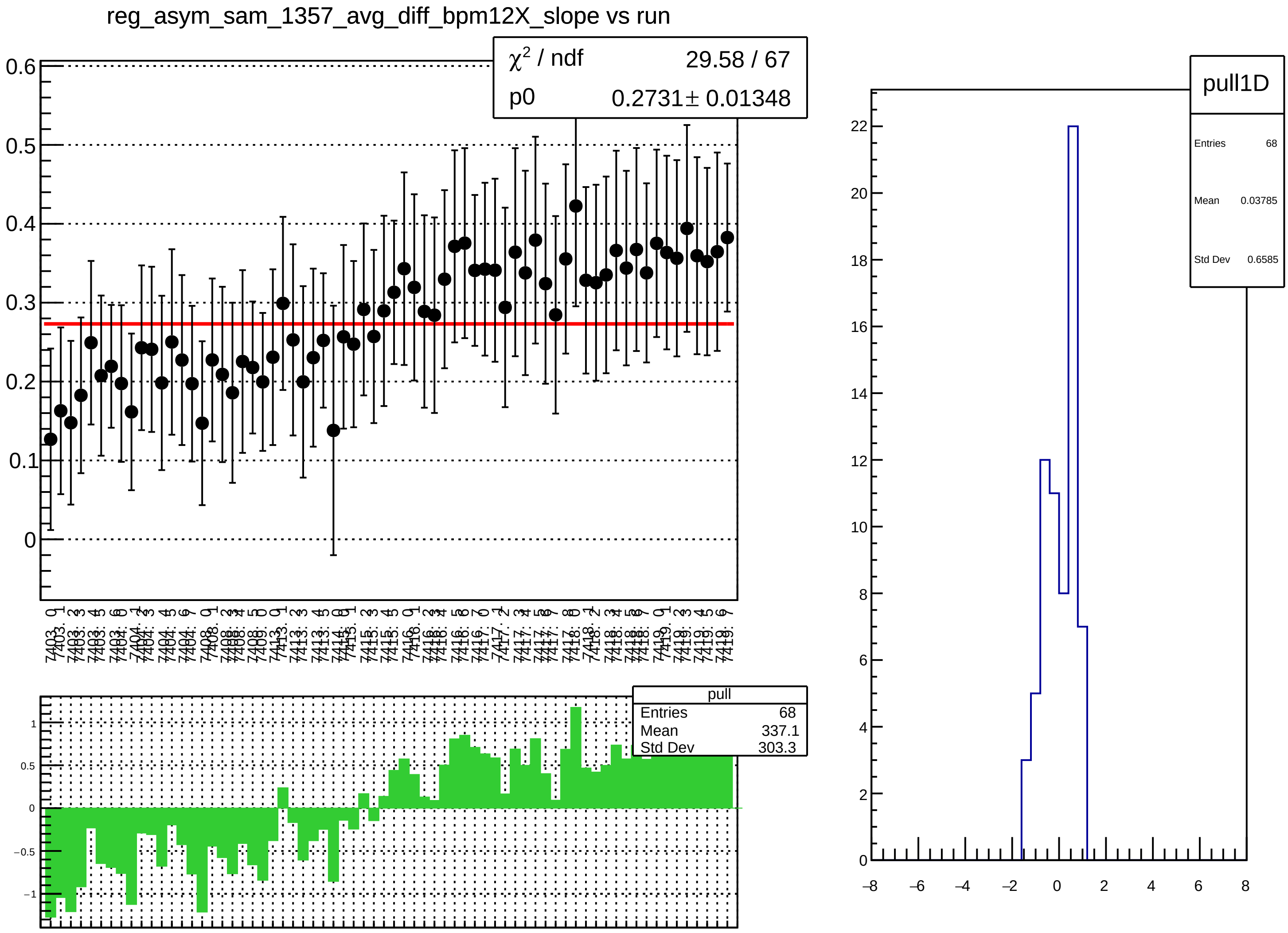




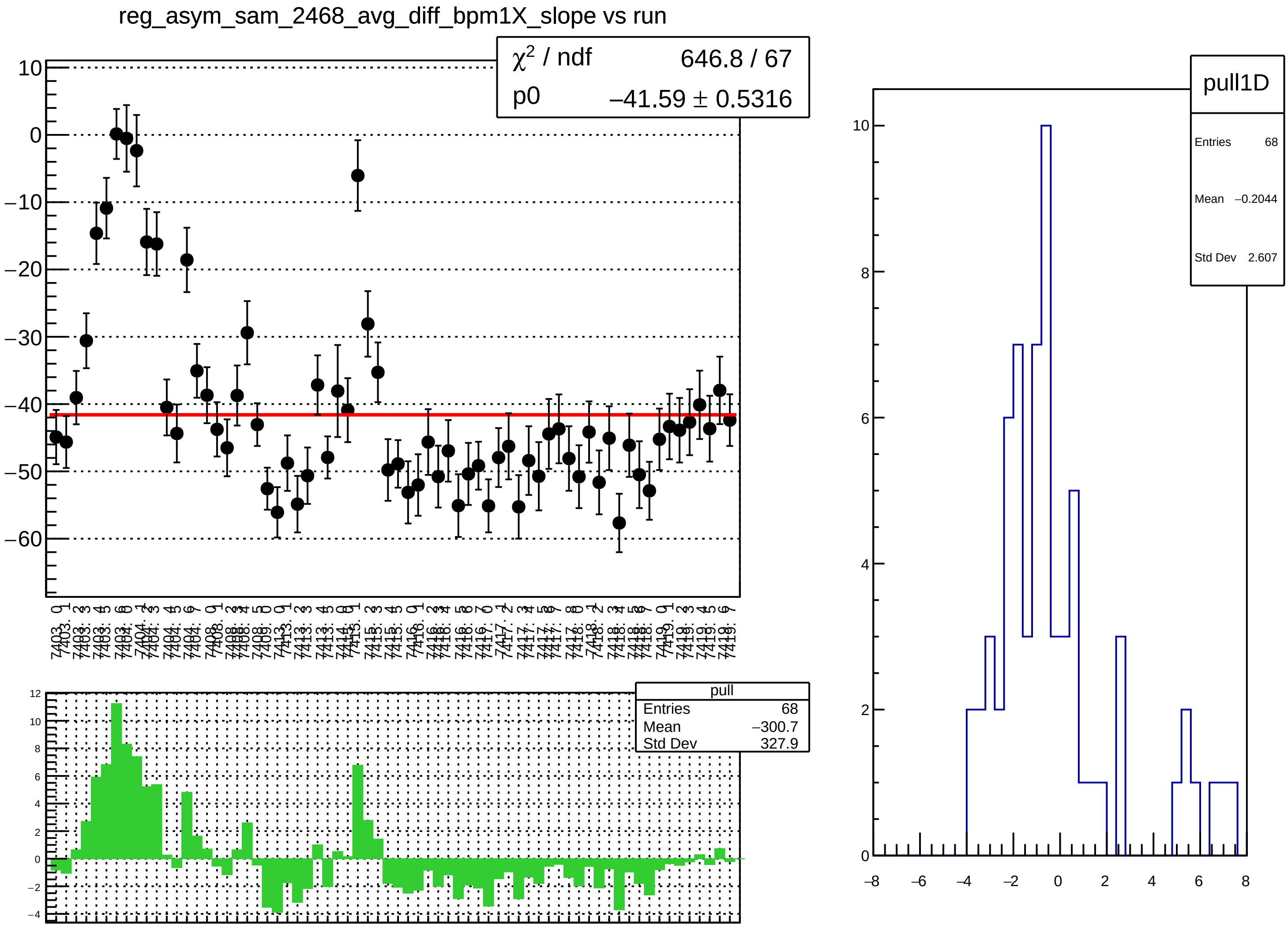
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 289 / 67
p0 11.07 ± 0.2893
pull
Entries 68
Mean 136.8
Std Dev 107.6
pull1D
Entries 68
Mean 0.1359
Std Dev 2.057


reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 453.6 / 67
p0 −12.61 ± 0.2973
pull
Entries 68
Mean −39.03
Std Dev 49.22
pull1D
Entries 68
Mean 0.002651
Std Dev 2.338

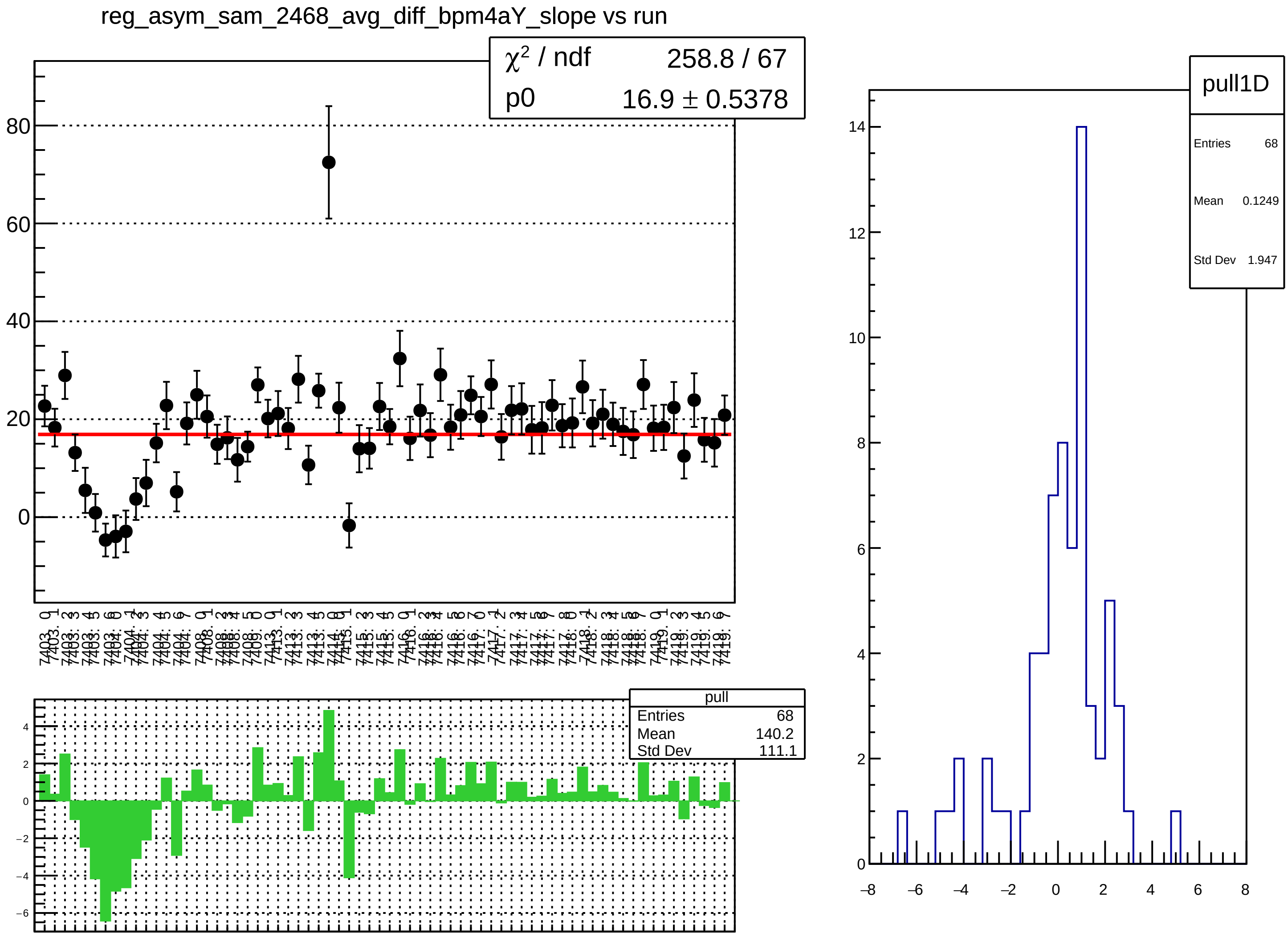

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ2 / ndf 173.9 / 67
p0 21.88 ± 0.3061
pull
Entries 68
Mean −571.3
Std Dev 614.2
pull1D
Entries 68
Mean −0.01464
Std Dev 1.599



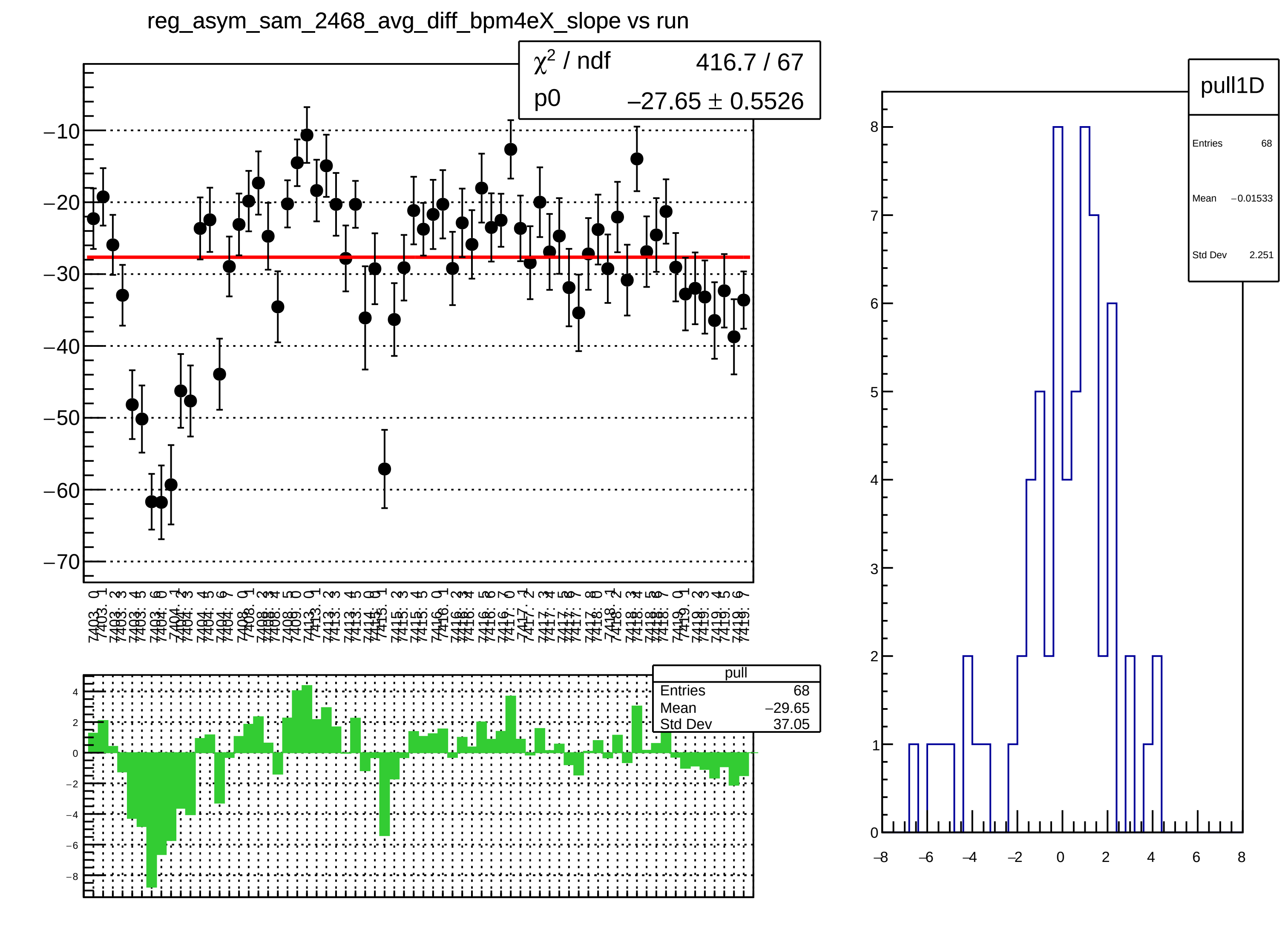
reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 29.58 / 67
p0 0.2731 ± 0.01348
pull
Entries 68
Mean 337.1
Std Dev 303.3
pull1D
Entries 68
Mean 0.03785
Std Dev 0.6585

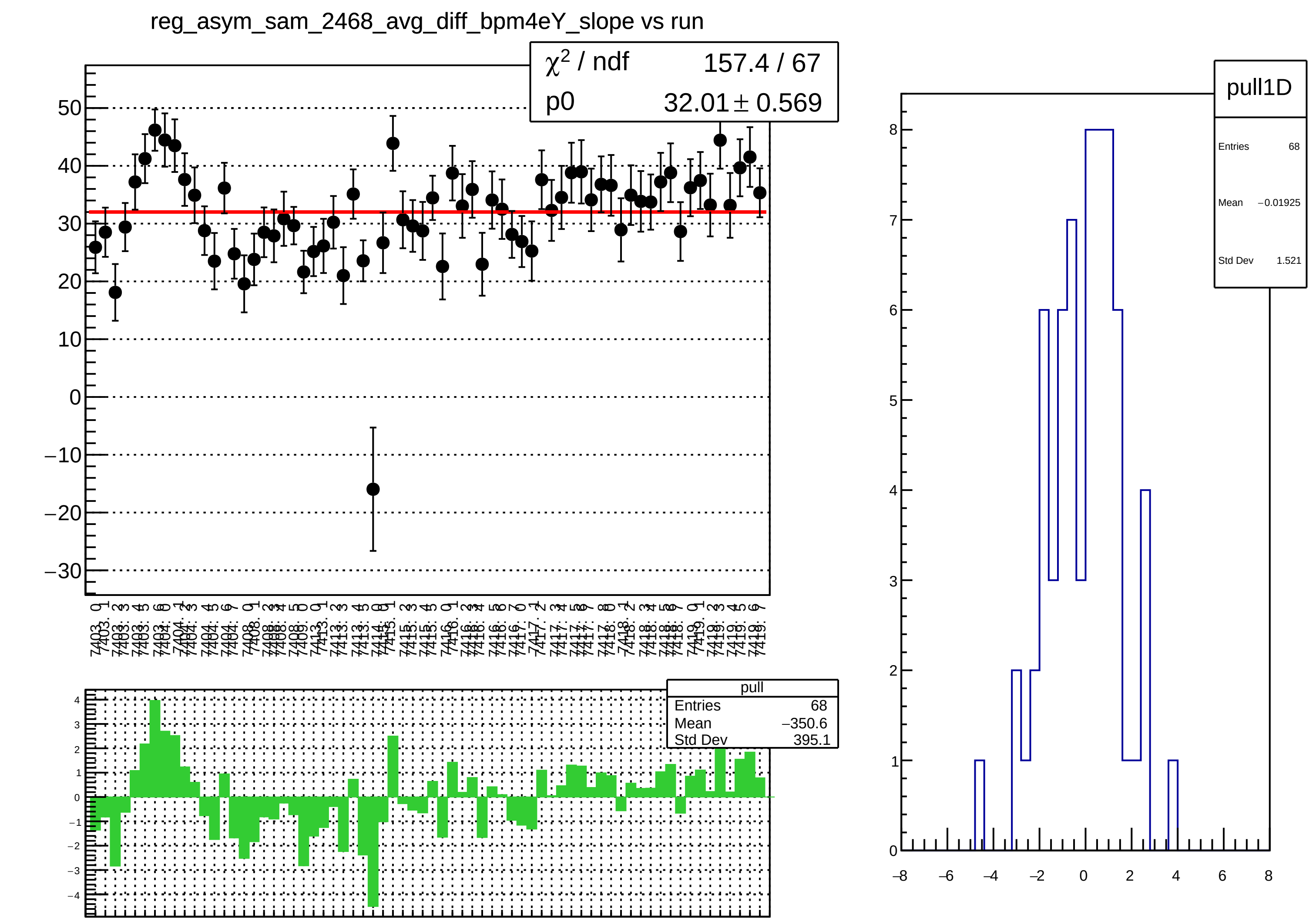


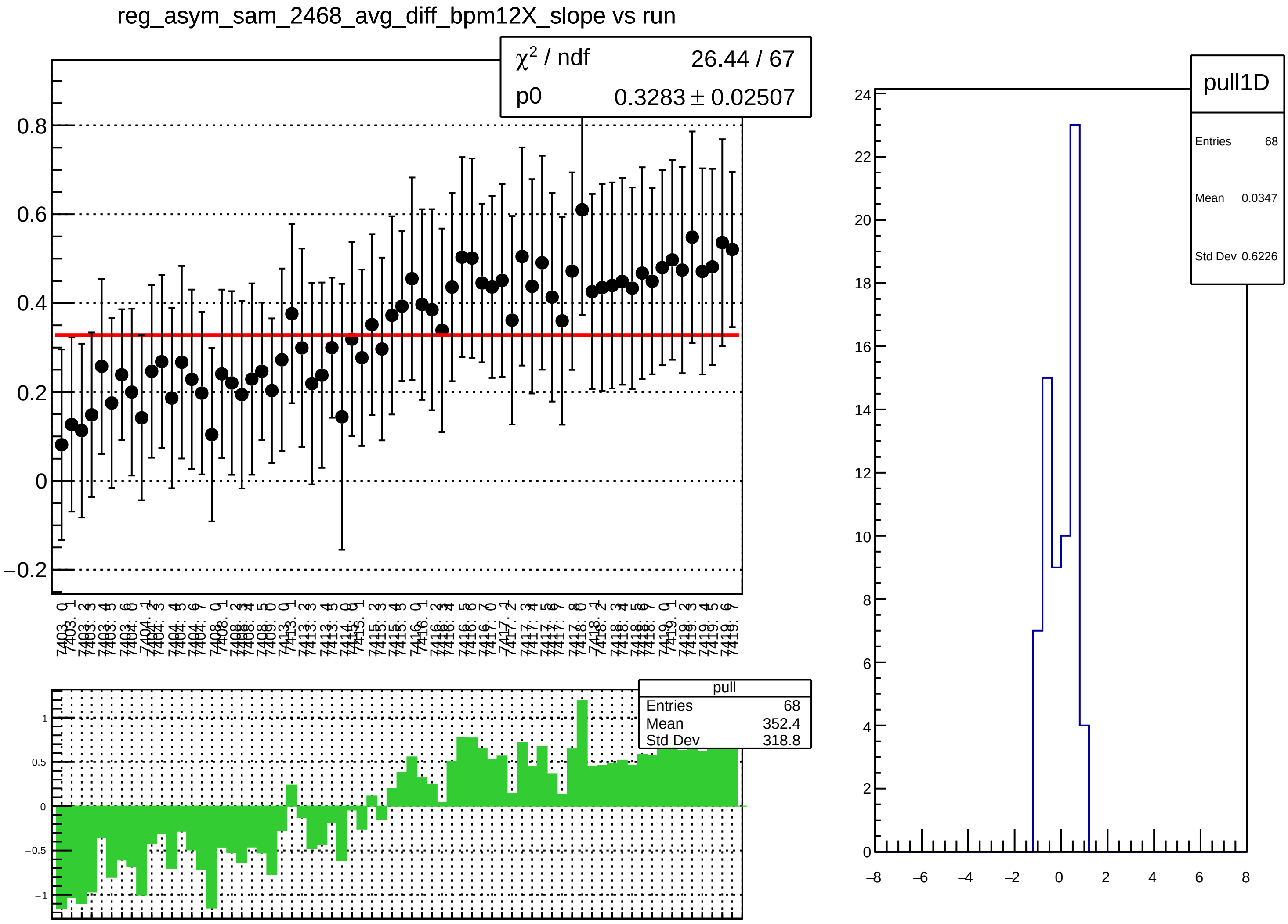
reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 646.8 / 67
p0 −41.59 ± 0.5316
pull
Entries 68
Mean −300.7
Std Dev 327.9
pull1D
Entries 68
Mean −0.2044
Std Dev 2.607



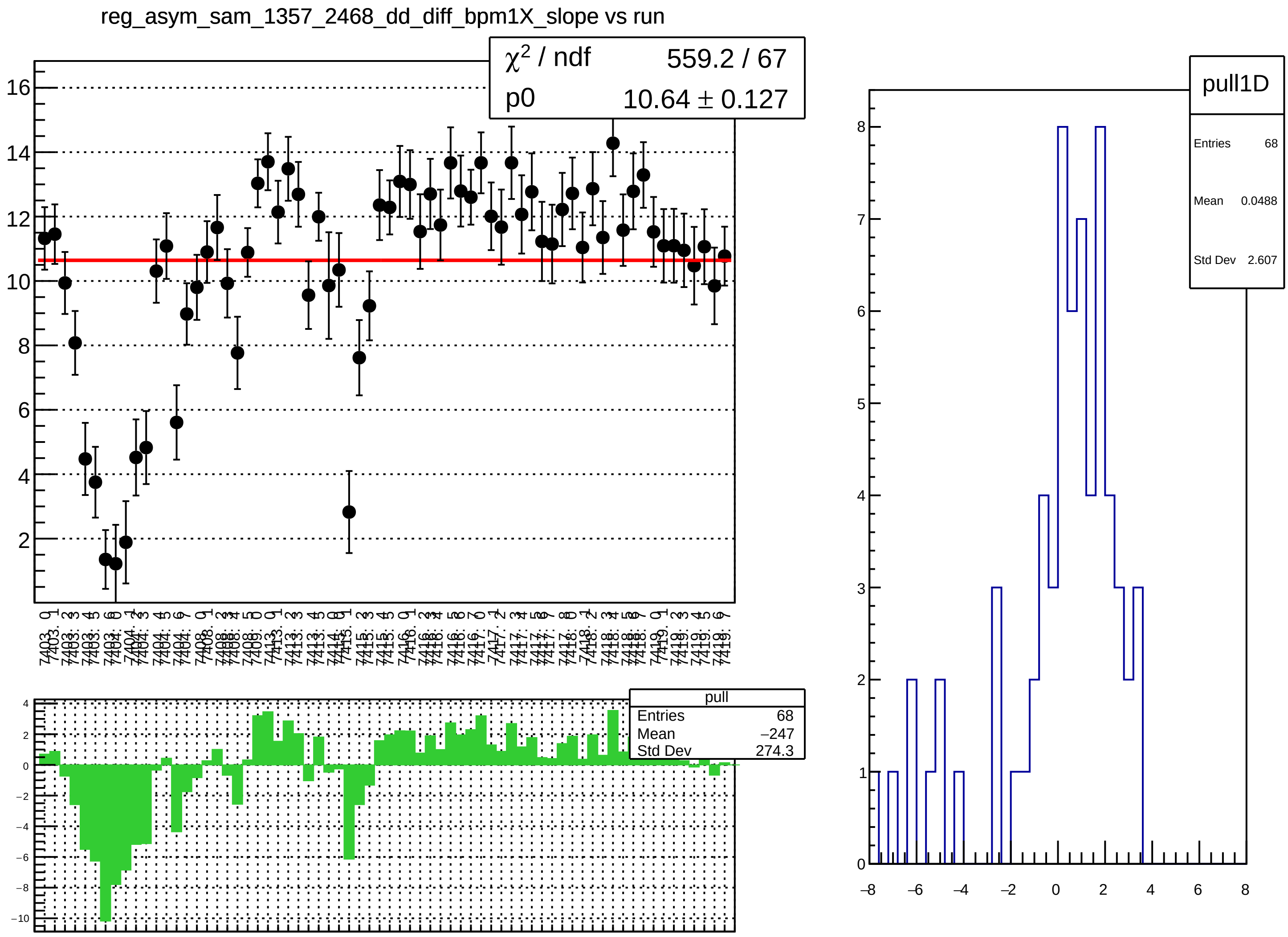
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 258.8 / 67
p0 16.9 ± 0.5378
pull
Entries 68
Mean 140.2
Std Dev 111.1
pull1D
Entries 68
Mean 0.1249
Std Dev 1.947


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 416.7 / 67
p0 −27.65 ± 0.5526
pull
Entries 68
Mean −29.65
Std Dev 37.05
pull1D
Entries 68
Mean −0.01533
Std Dev 2.251

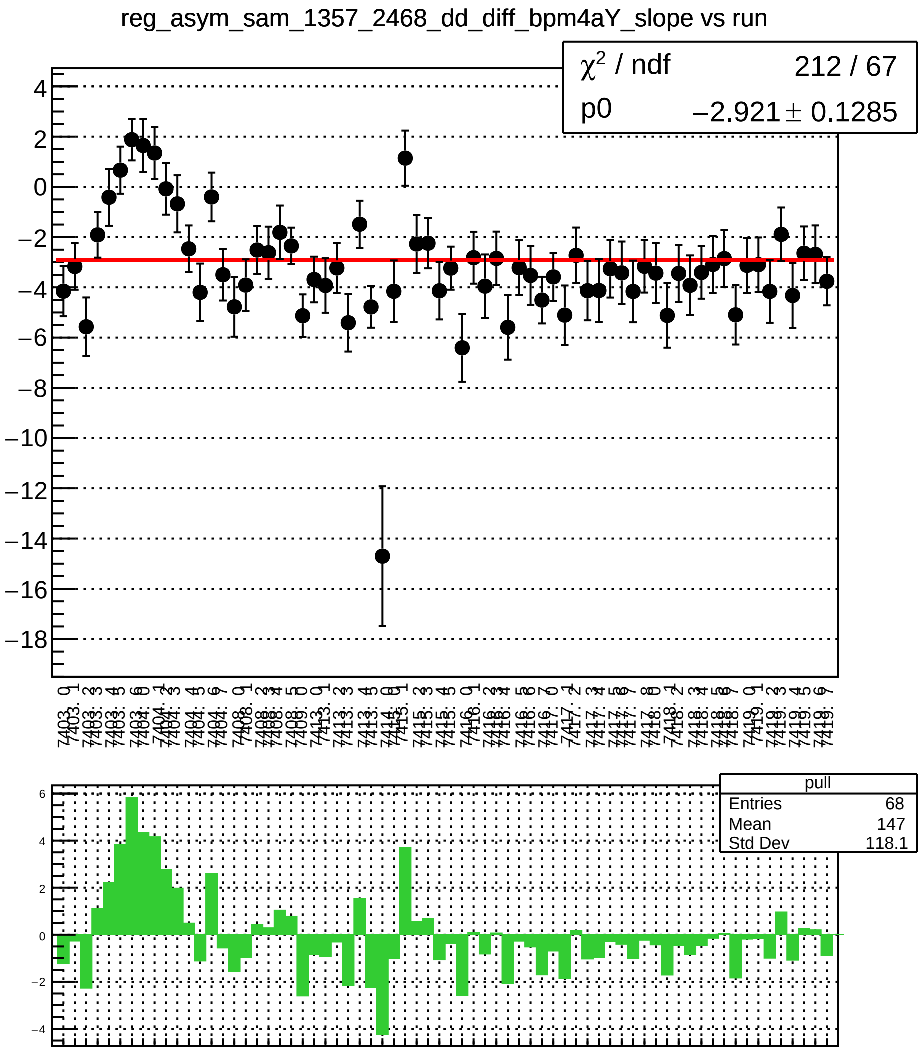

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ2 / ndf 157.4 / 67
p0 32.01 ± 0.569
pull
Entries 68
Mean −350.6
Std Dev 395.1
pull1D
Entries 68
Mean −0.01925
Std Dev 1.521



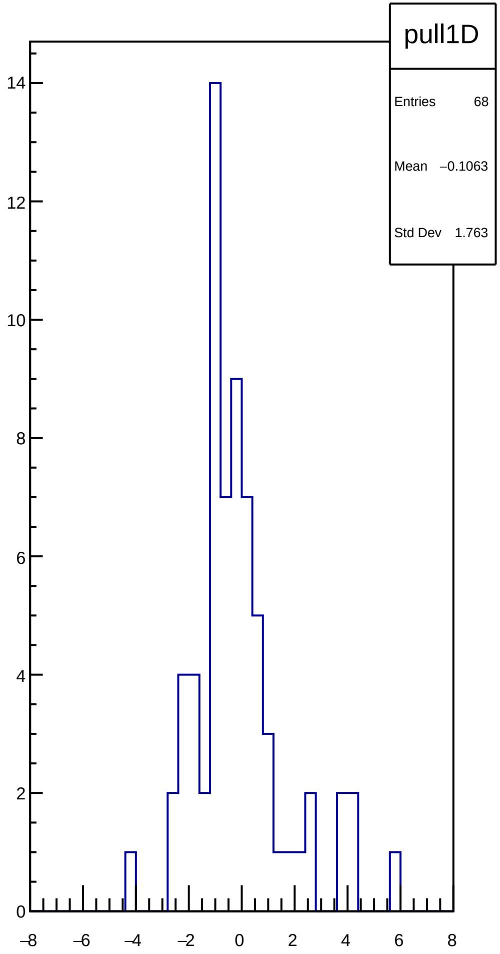
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 26.44 / 67
p0 0.3283 ± 0.02507
pull
Entries 68
Mean 352.4
Std Dev 318.8
pull1D
Entries 68
Mean 0.0347
Std Dev 0.6226



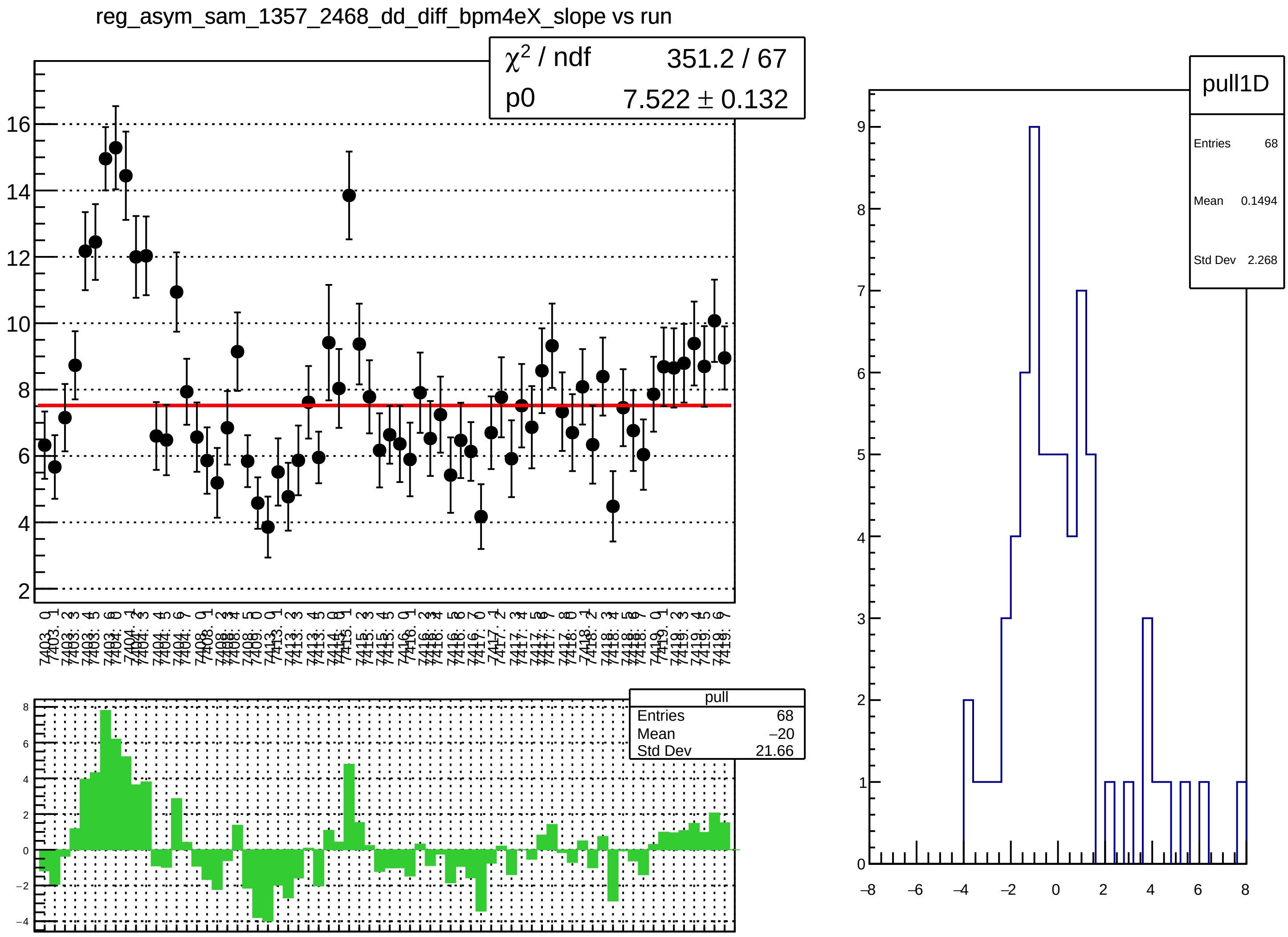
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 559.2 / 67
p0 10.64 ± 0.127
pull
Entries 68
Mean −247
Std Dev 274.3
pull1D
Entries 68
Mean 0.0488
Std Dev 2.607



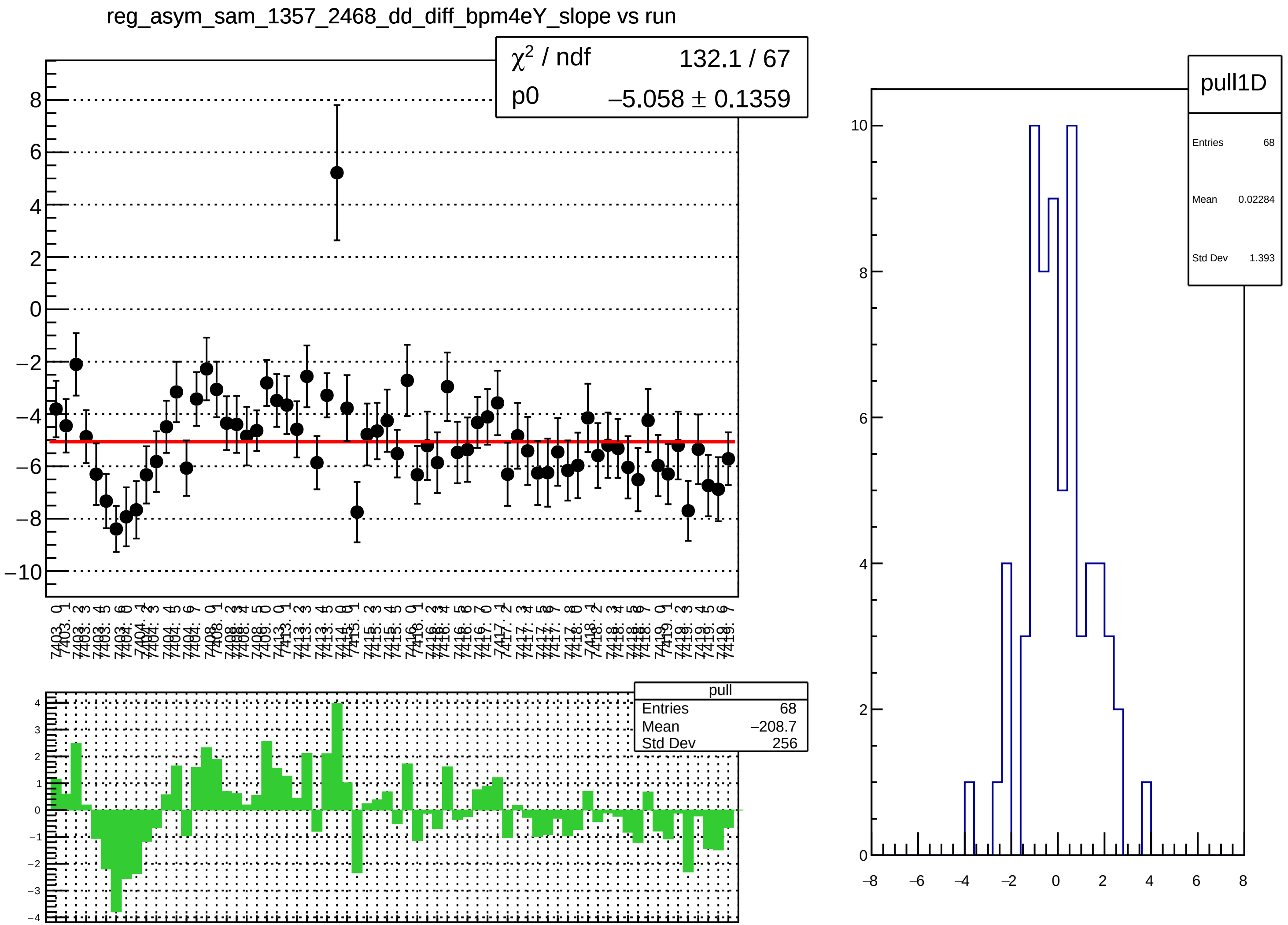
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 212 / 67
p0 −2.921 ± 0.1285
pull
Entries 68
Mean 147
Std Dev 118.1



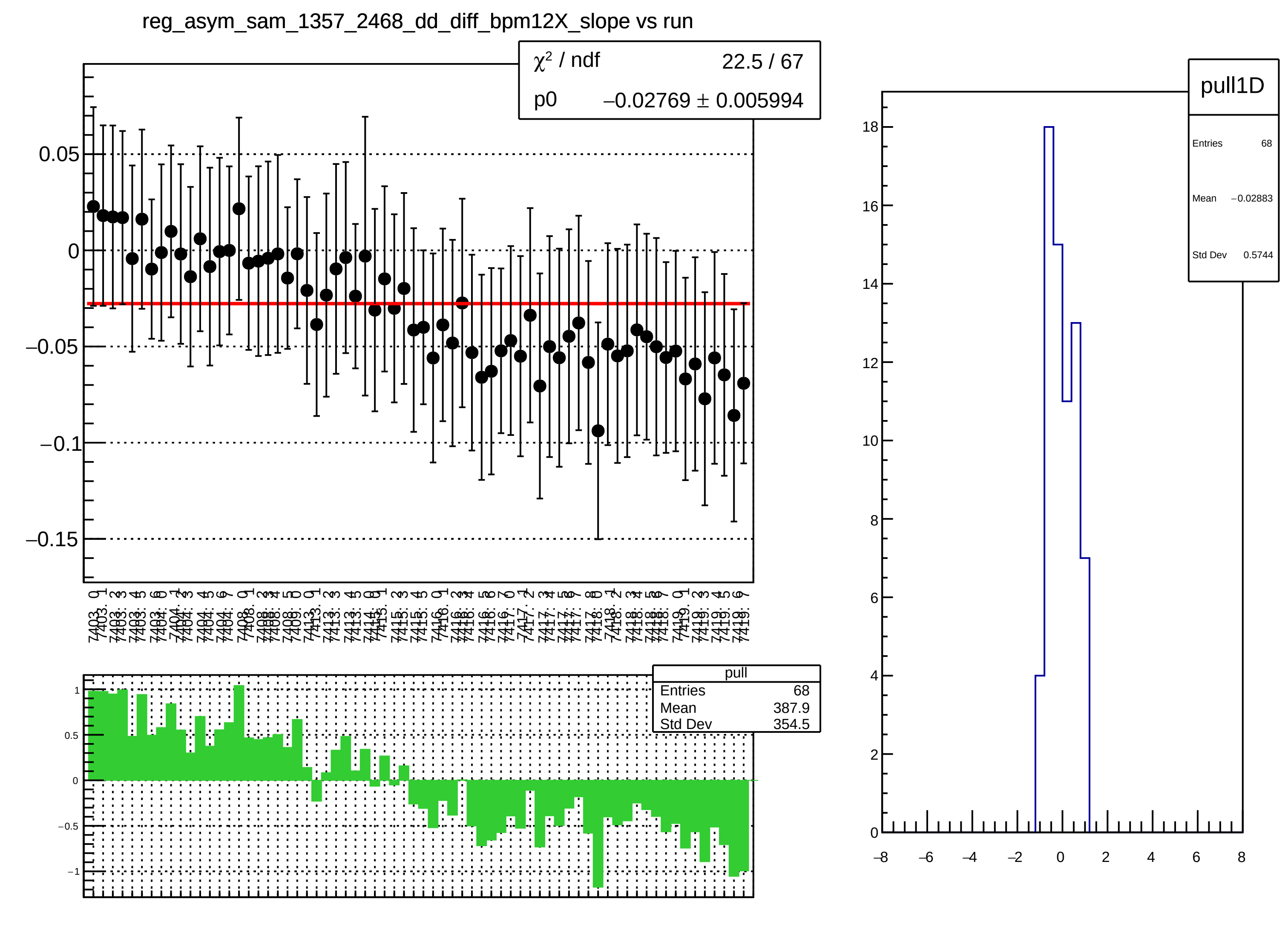
pull1D
Entries 68
Mean −0.1063
Std Dev 1.763



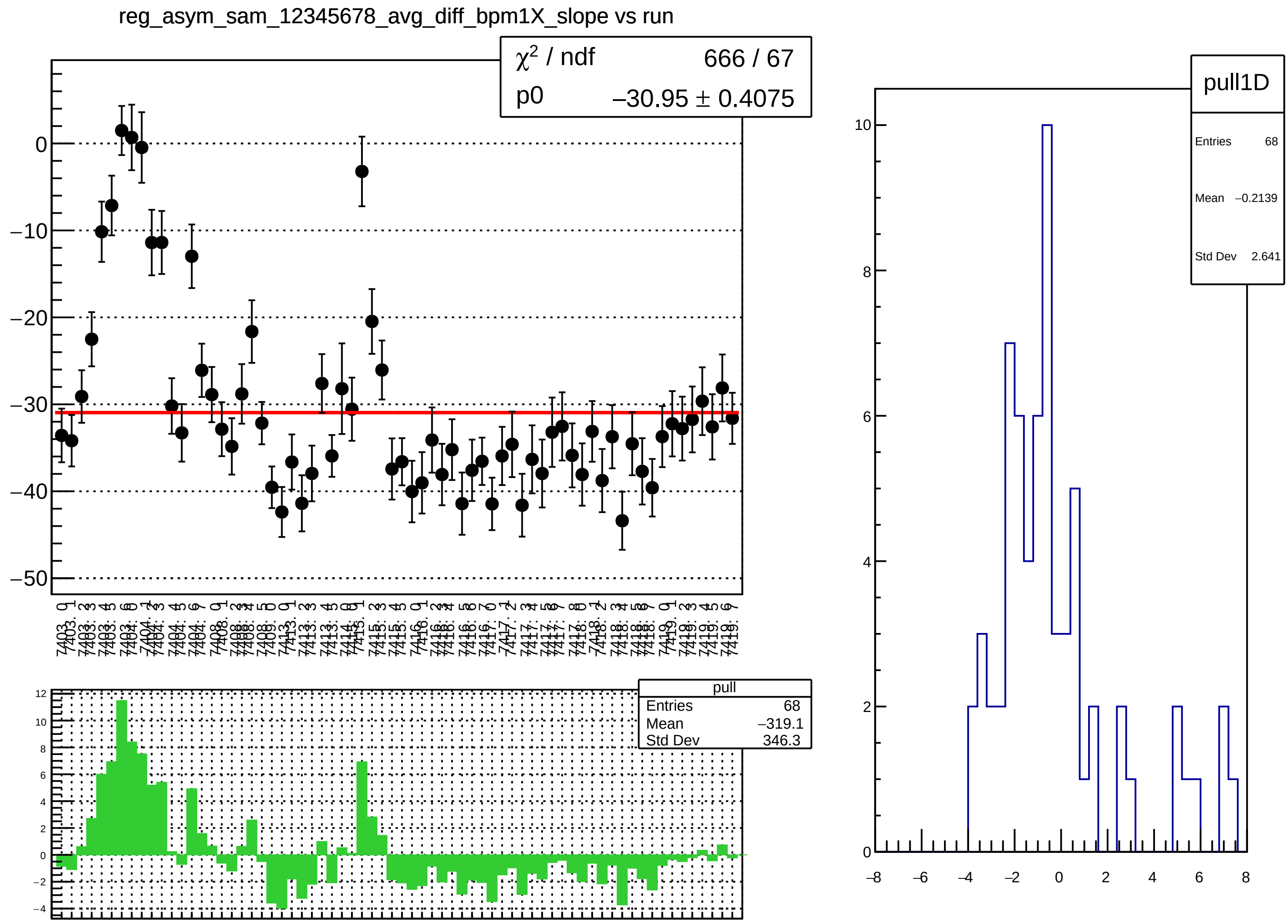
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 351.2 / 67
p0 7.522 ± 0.132
pull
Entries 68
Mean −20
Std Dev 21.66
pull1D
Entries 68
Mean 0.1494
Std Dev 2.268



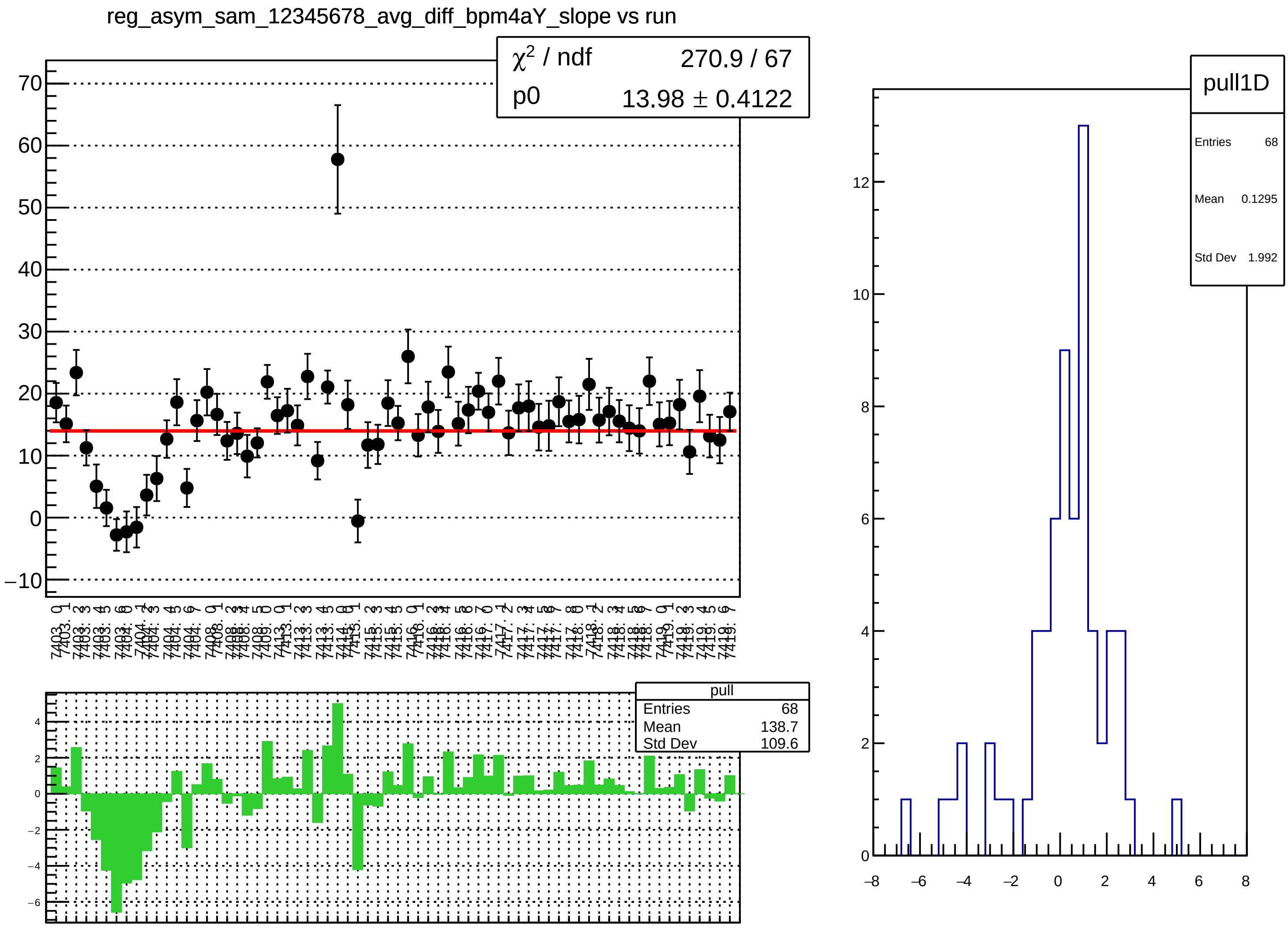
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 132.1 / 67
p0 −5.058 ± 0.1359
pull
Entries 68
Mean −208.7
Std Dev 256
pull1D
Entries 68
Mean 0.02284
Std Dev 1.393



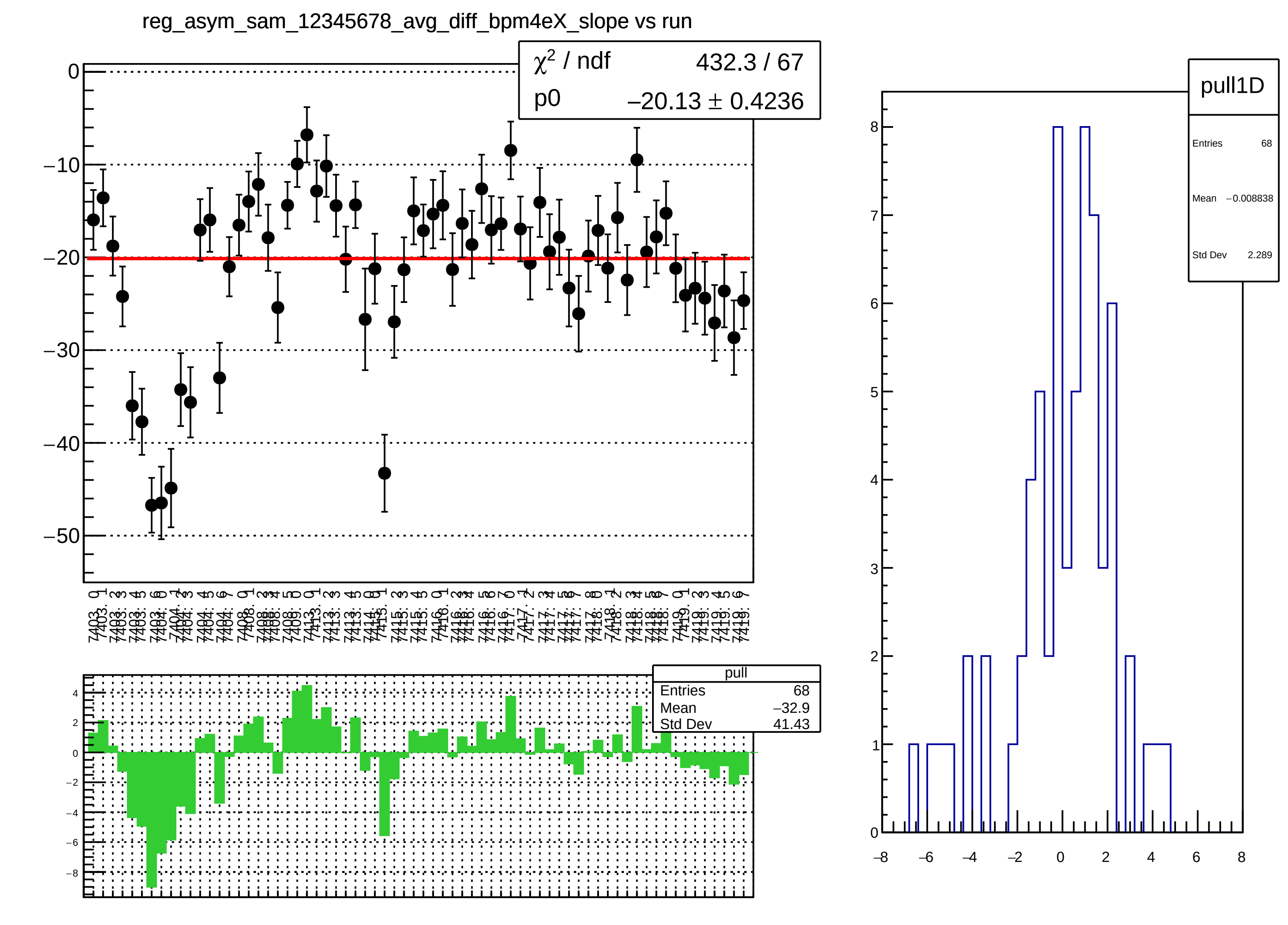
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ2 / ndf 22.5 / 67
p0 −0.02769 ± 0.005994
pull
Entries 68
Mean 387.9
Std Dev 354.5
pull1D
Entries 68
Mean −0.02883
Std Dev 0.5744



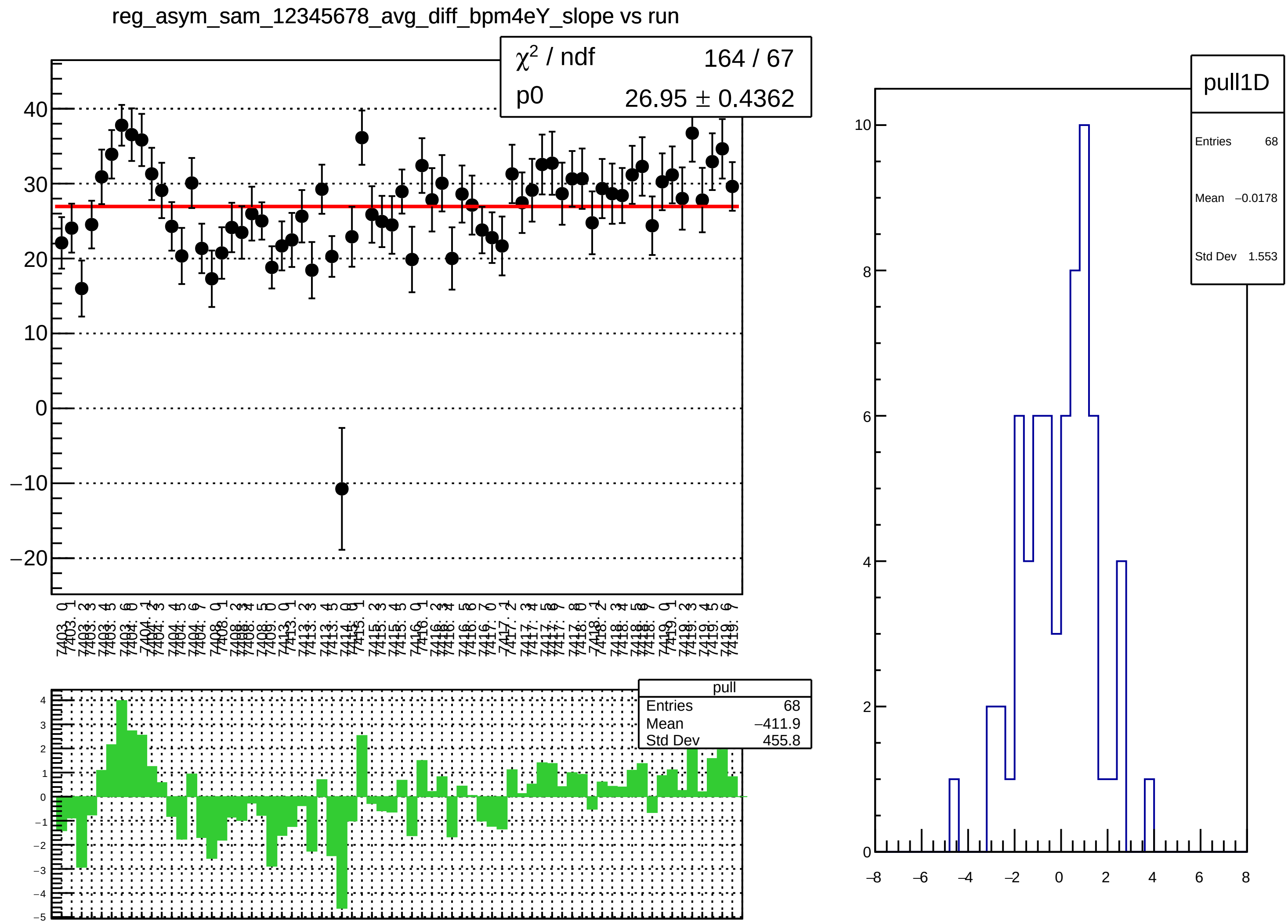
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ2 / ndf 666 / 67
p0 −30.95 ± 0.4075
0
−10
−20
−30
−40
−50
pull
Entries 68
Mean −319.1
Std Dev 346.3
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 68
Mean −0.2139
Std Dev 2.641
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



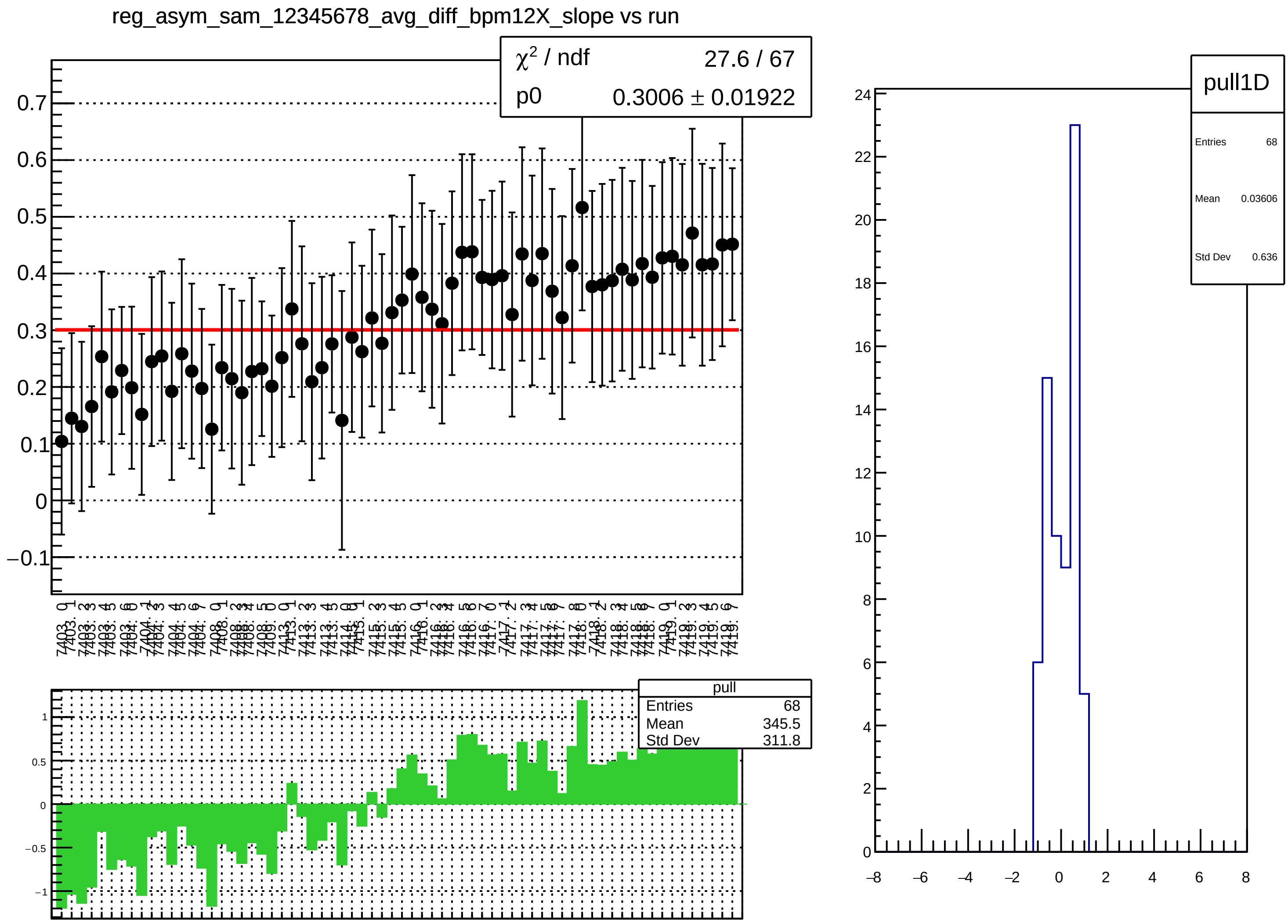
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 270.9 / 67
p0 13.98 ± 0.4122
pull
Entries 68
Mean 138.7
Std Dev 109.6
pull1D
Entries 68
Mean 0.1295
Std Dev 1.992

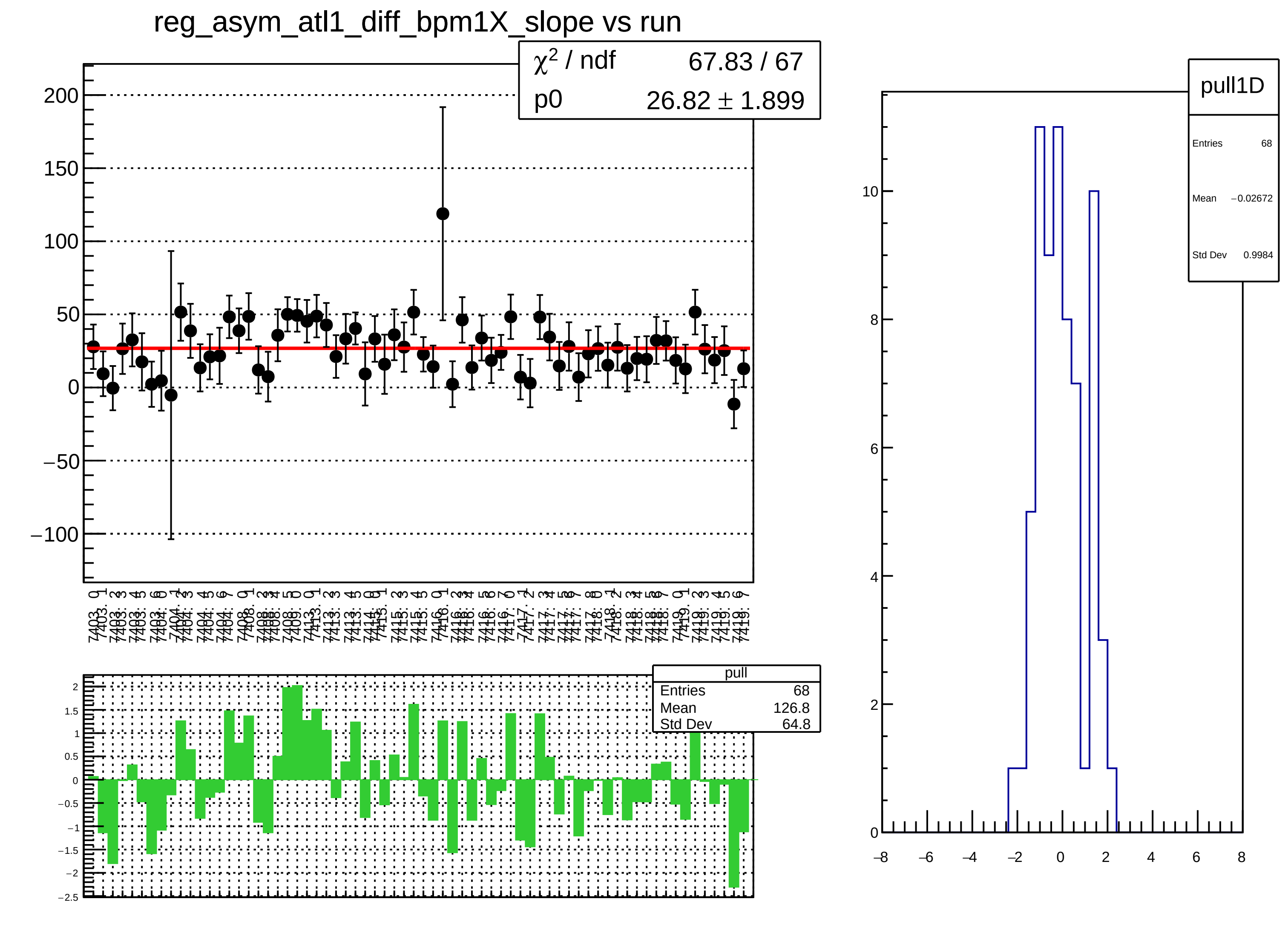


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 432.3 / 67
p0 −20.13 ± 0.4236
pull
Entries 68
Mean −32.9
Std Dev 41.43
pull1D
Entries 68
Mean −0.008838
Std Dev 2.289

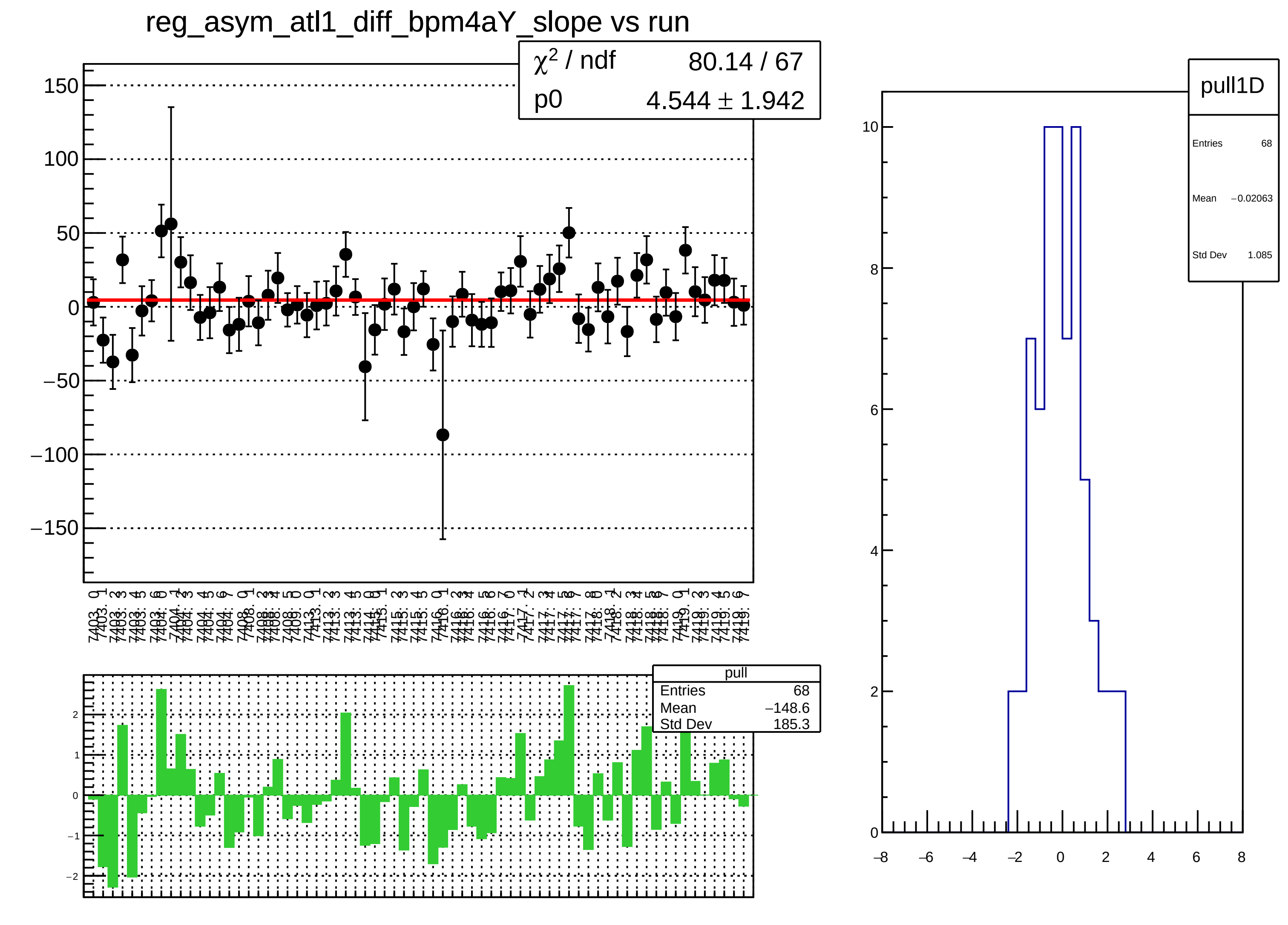


reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 164 / 67
p0 26.95 ± 0.4362
pull
Entries 68
Mean −411.9
Std Dev 455.8
pull1D
Entries 68
Mean −0.0178
Std Dev 1.553

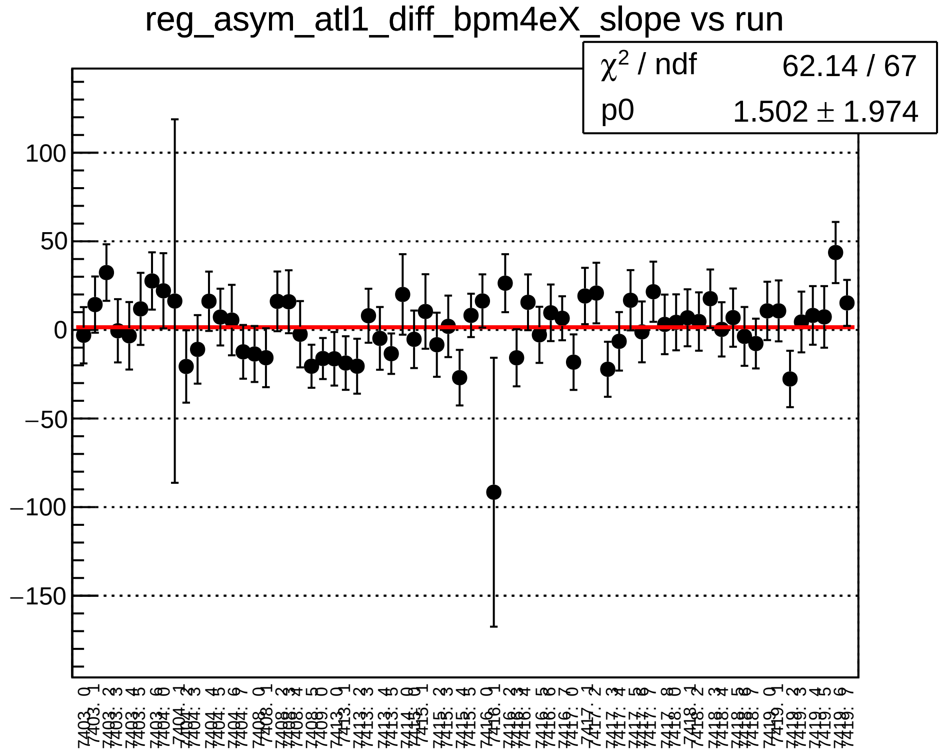

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 27.6 / 67
p0 0.3006 ± 0.01922
pull
Entries 68
Mean 345.5
Std Dev 311.8
pull1D
Entries 68
Mean 0.03606
Std Dev 0.636



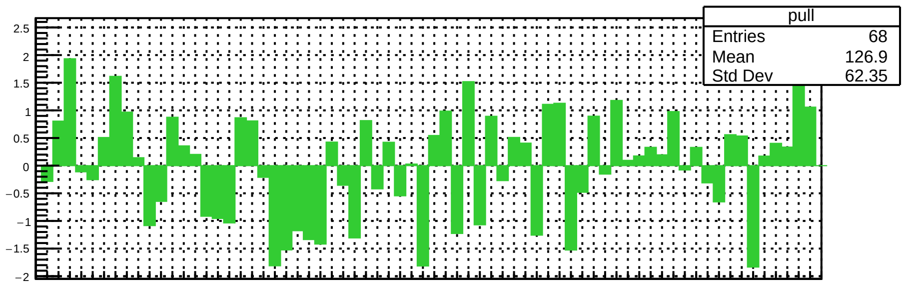
reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 67.83 / 67
p0 26.82 ± 1.899
pull
Entries 68
Mean 126.8
Std Dev 64.8
pull1D
Entries 68
Mean −0.02672
Std Dev 0.9984



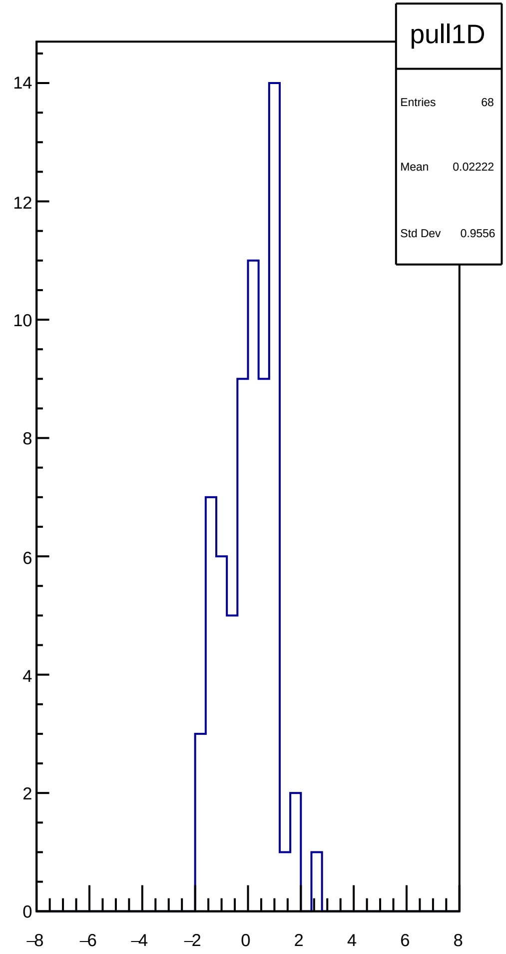
reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 80.14 / 67
p0 4.544 ± 1.942
pull
Entries 68
Mean −148.6
Std Dev 185.3
pull1D
Entries 68
Mean −0.02063
Std Dev 1.085



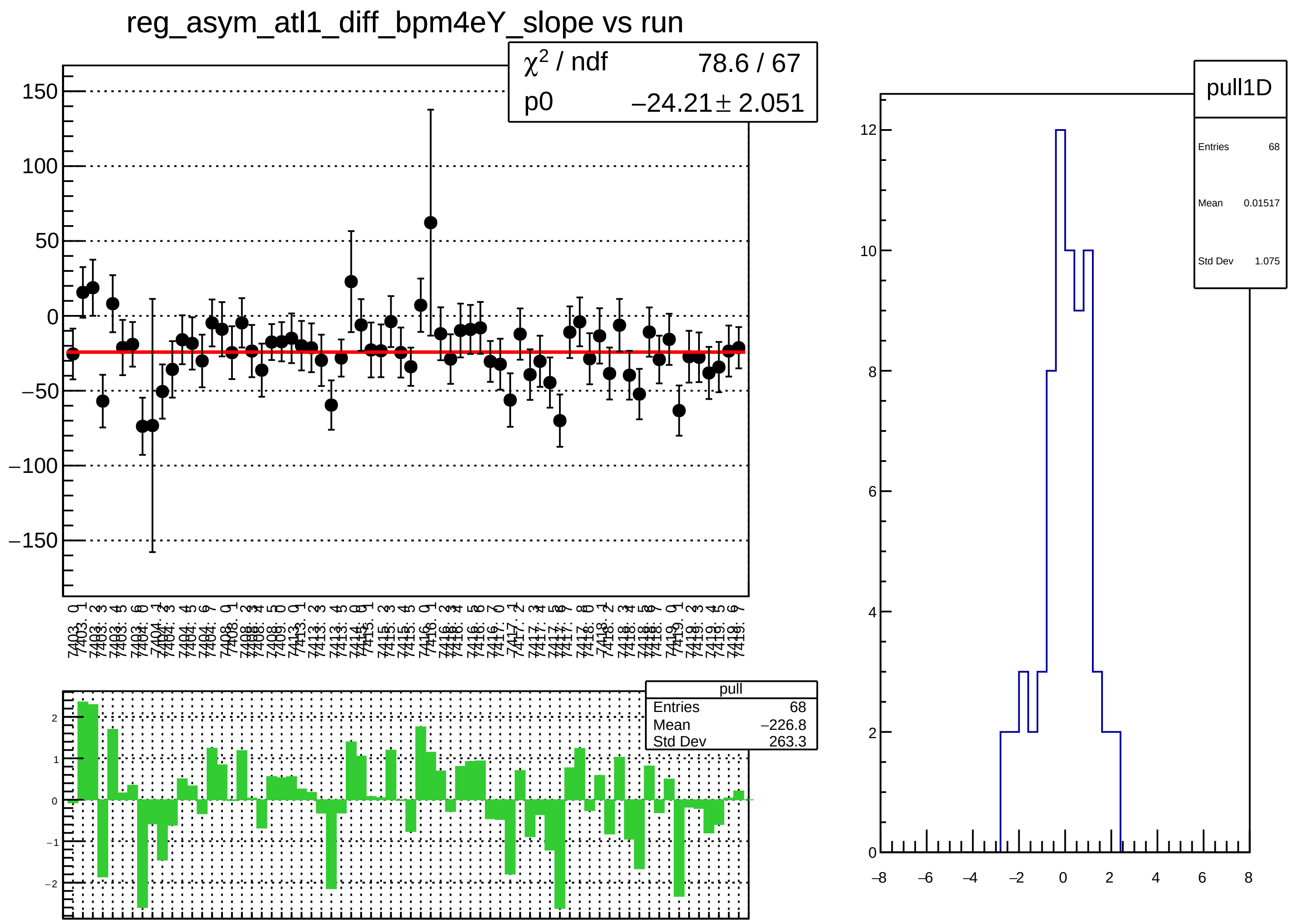
reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 62.14 / 67
p0 1.502 ± 1.974



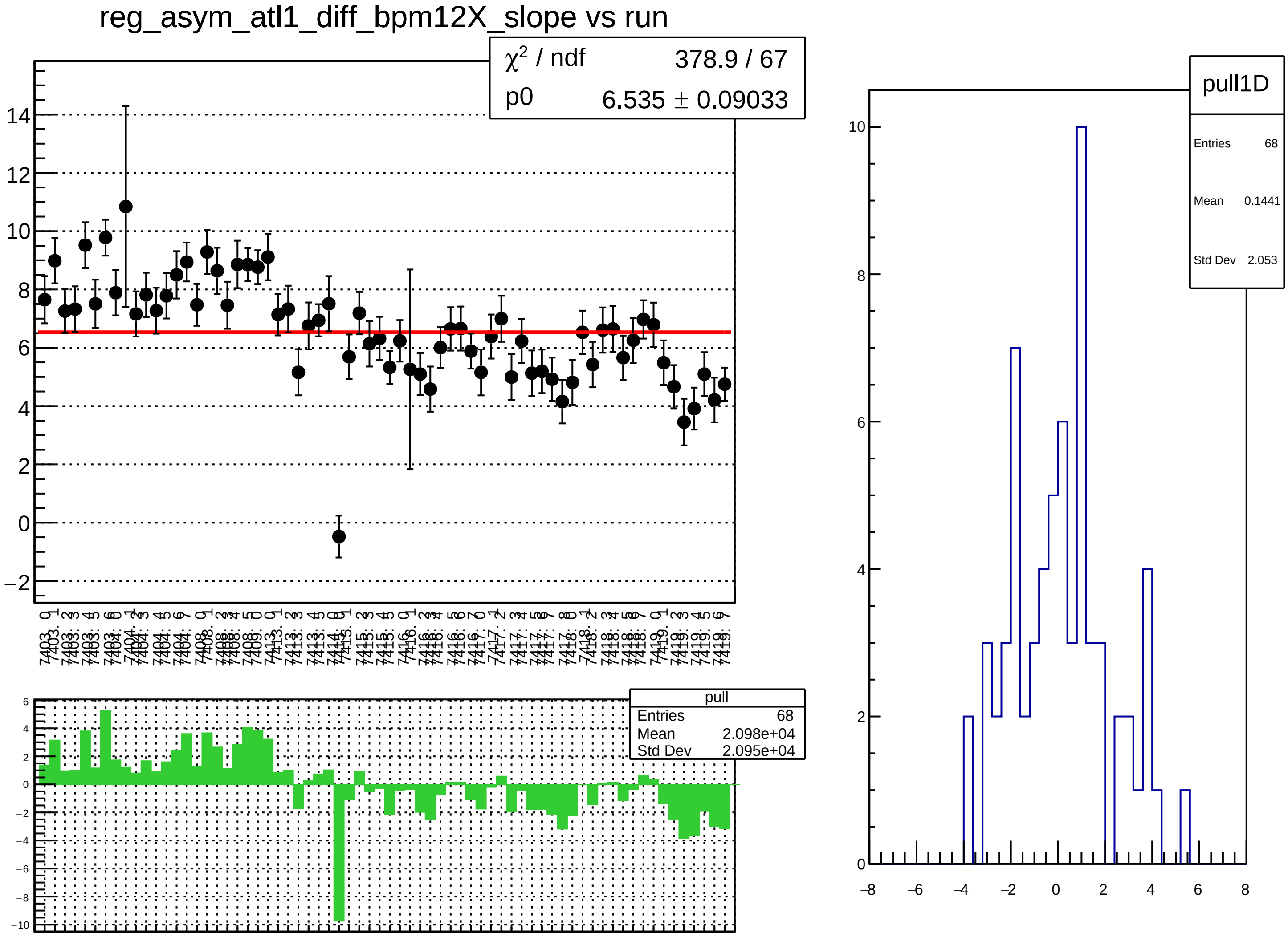
pull
Entries 68
Mean 126.9
Std Dev 62.35

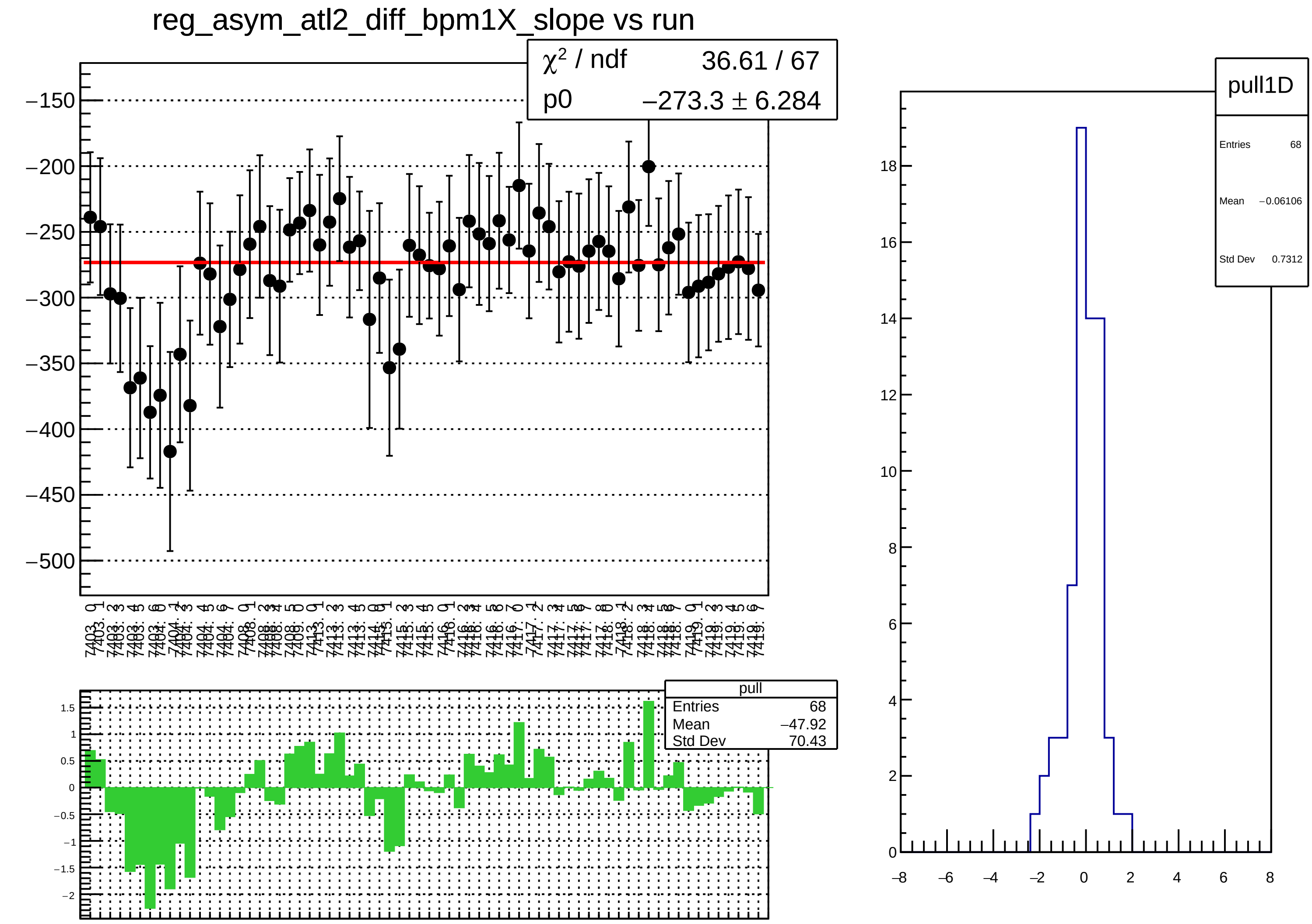


pull1D
Entries 68
Mean 0.02222
Std Dev 0.9556

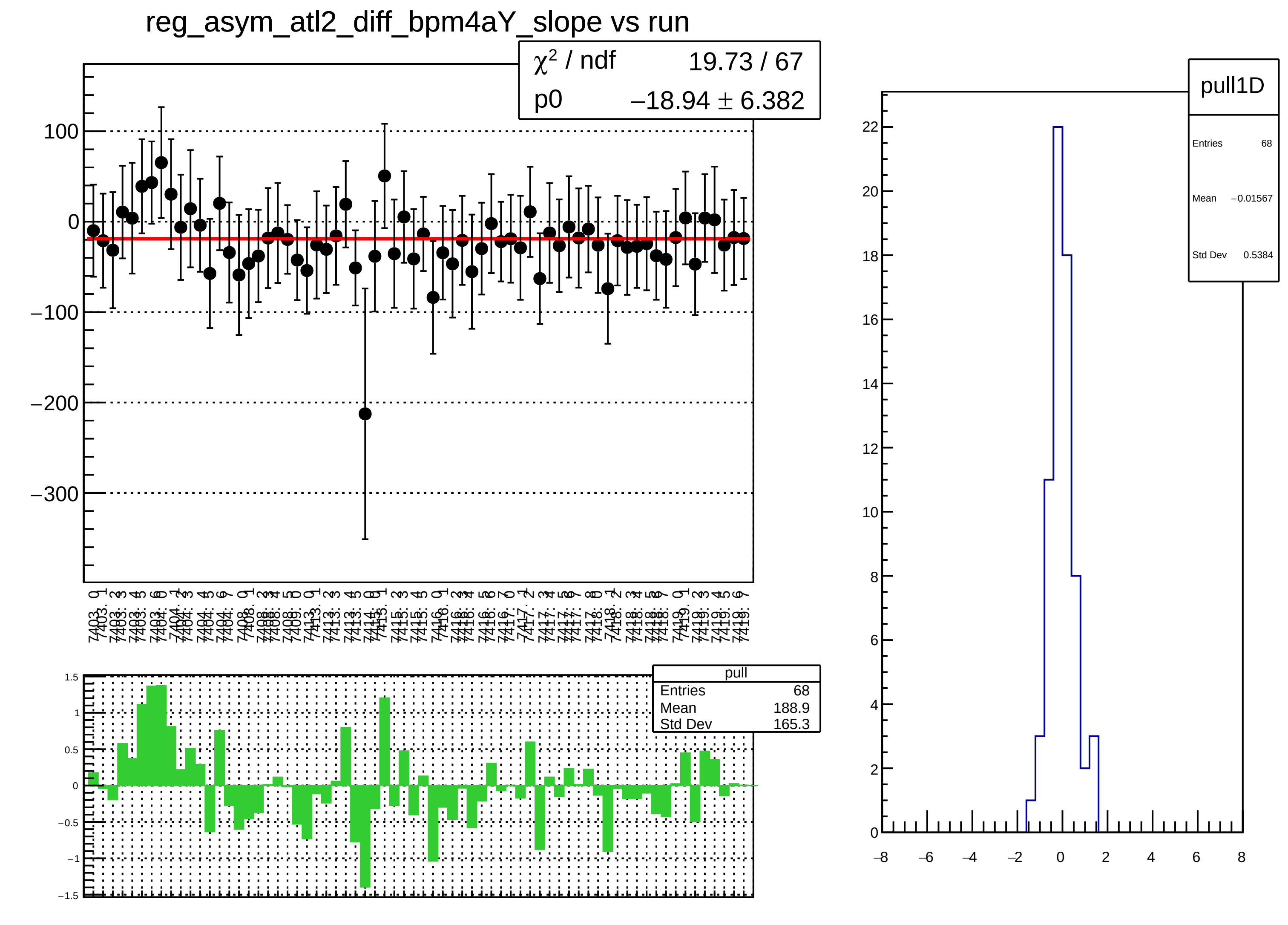


reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 78.6 / 67
p0 −24.21 ± 2.051
pull
Entries 68
Mean −226.8
Std Dev 263.3
pull1D
Entries 68
Mean 0.01517
Std Dev 1.075

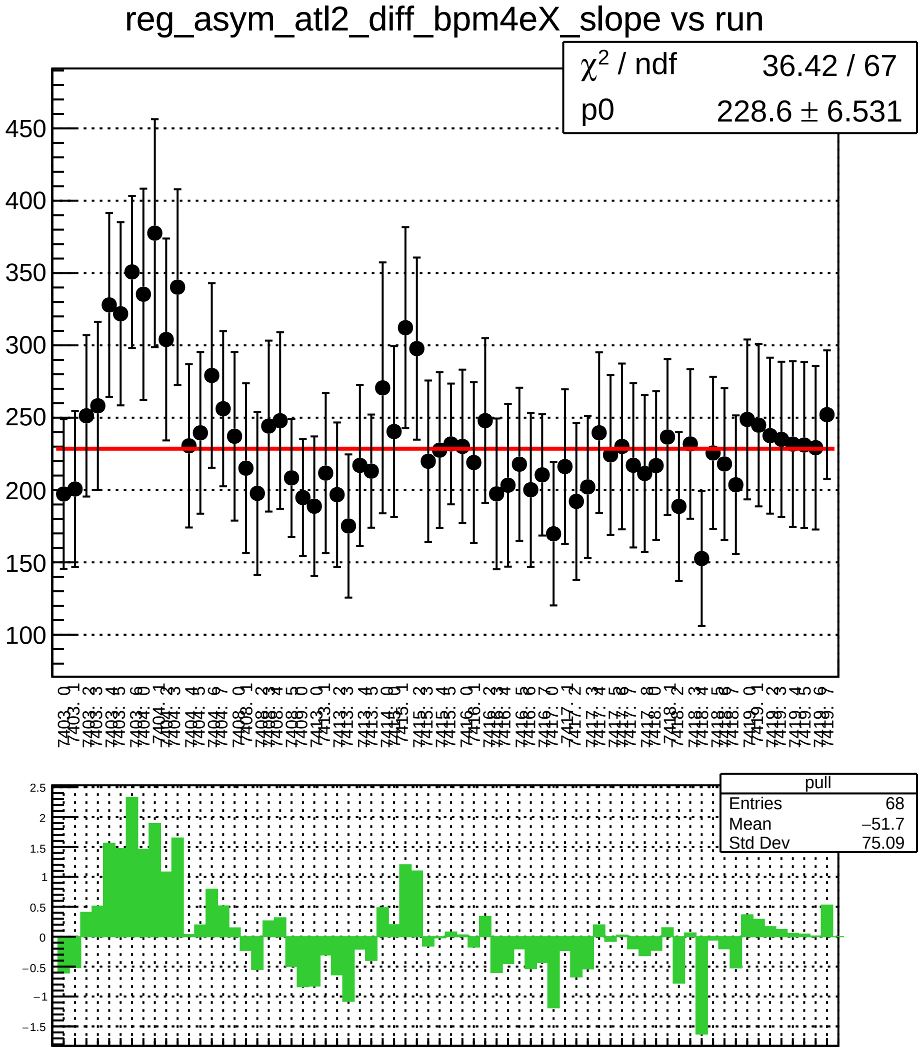

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 378.9 / 67
p0 6.535 ± 0.09033
pull
Entries 68
Mean 2.098e+04
Std Dev 2.095e+04
pull1D
Entries 68
Mean 0.1441
Std Dev 2.053

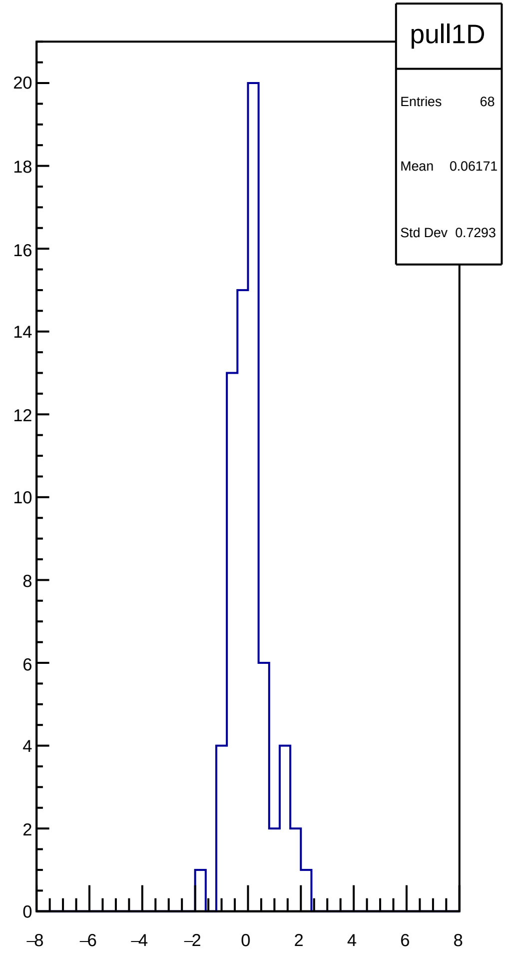


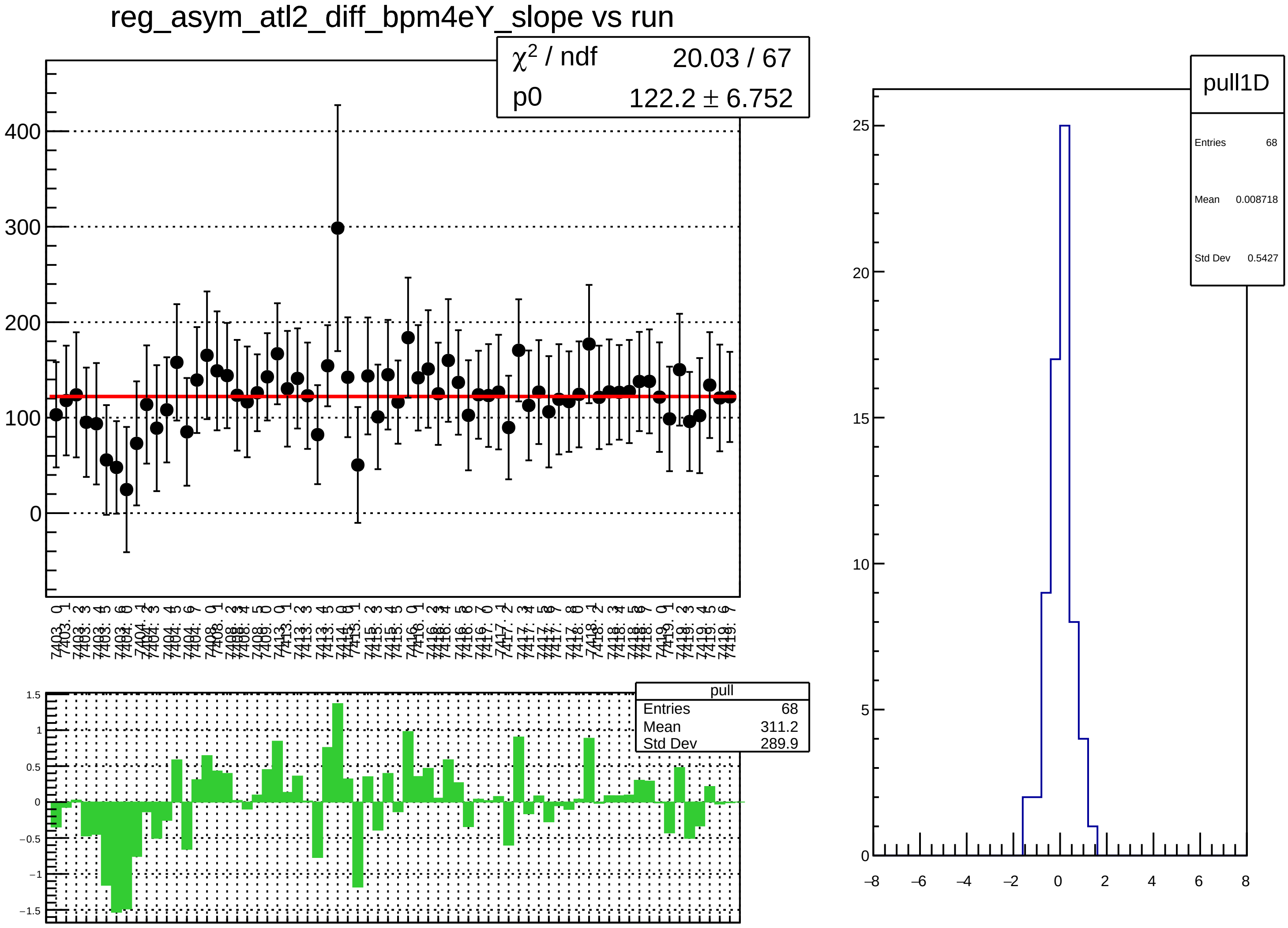
reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 36.61 / 67
p0 −273.3 ± 6.284
pull
Entries 68
Mean −47.92
Std Dev 70.43
pull1D
Entries 68
Mean −0.06106
Std Dev 0.7312



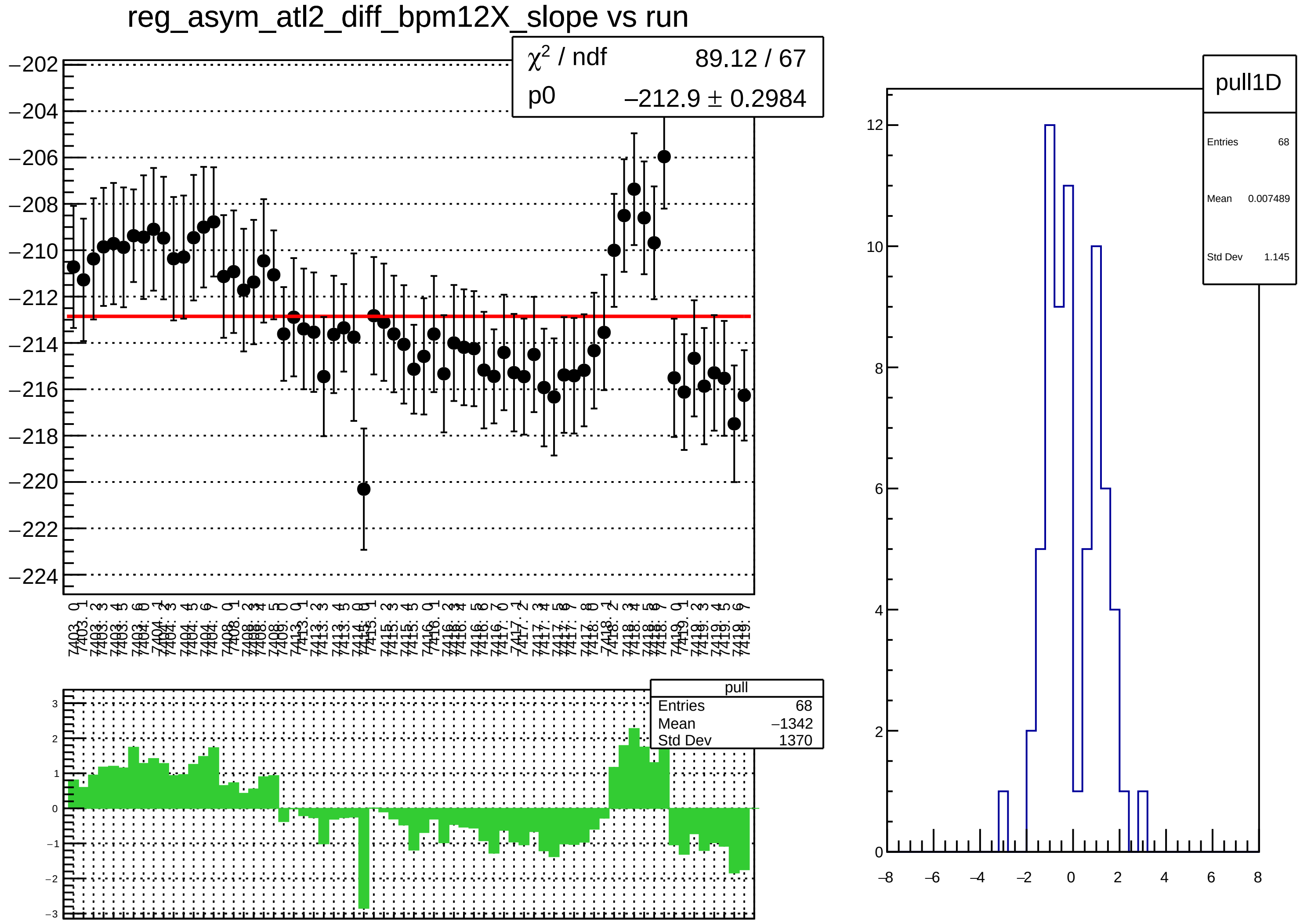
reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 19.73 / 67
p0 −18.94 ± 6.382
pull
Entries 68
Mean 188.9
Std Dev 165.3
pull1D
Entries 68
Mean −0.01567
Std Dev 0.5384

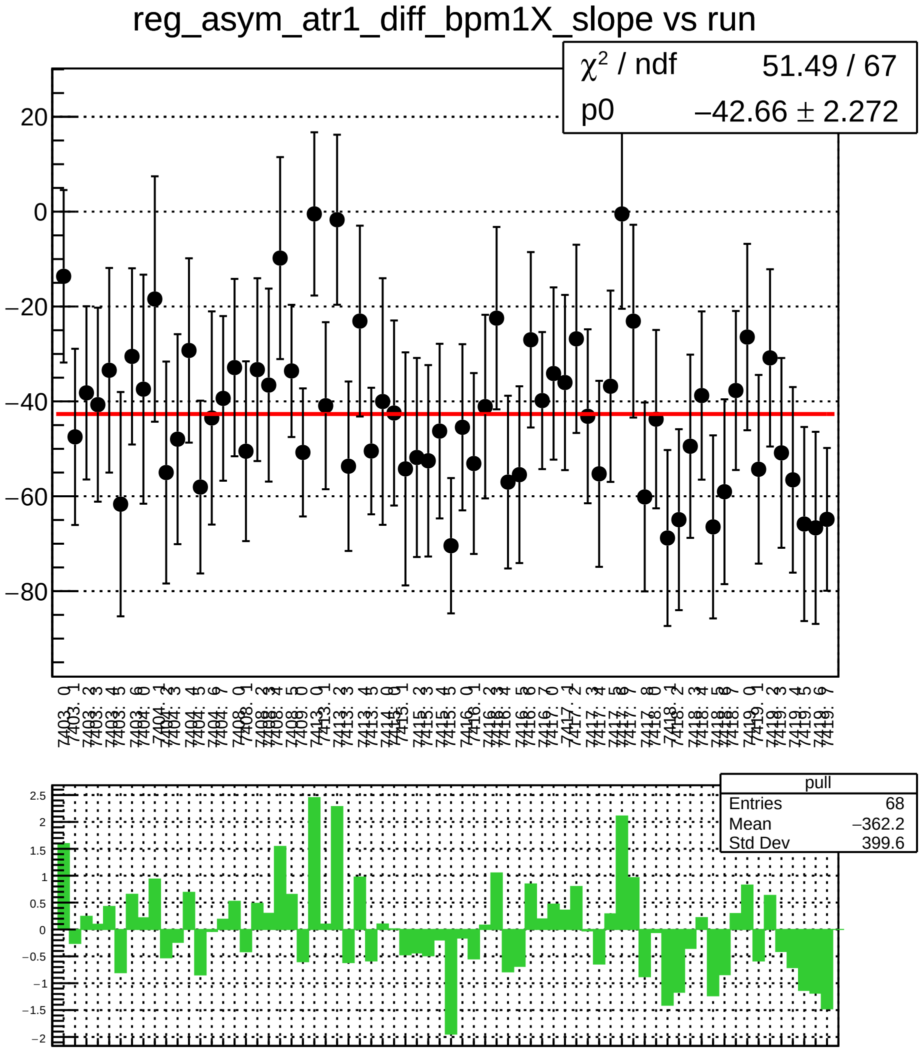

reg_asym_atl2_diff_bpm4eX_slope vs run
χ2 / ndf 36.42 / 67
p0 228.6 ± 6.531
pull
Entries 68
Mean −51.7
Std Dev 75.09

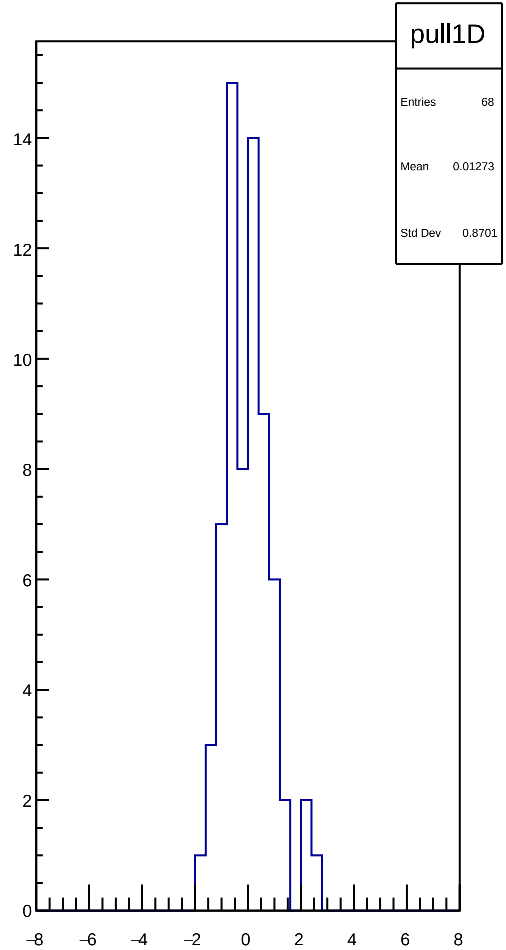

pull1D
Entries 68
Mean 0.06171
Std Dev 0.7293

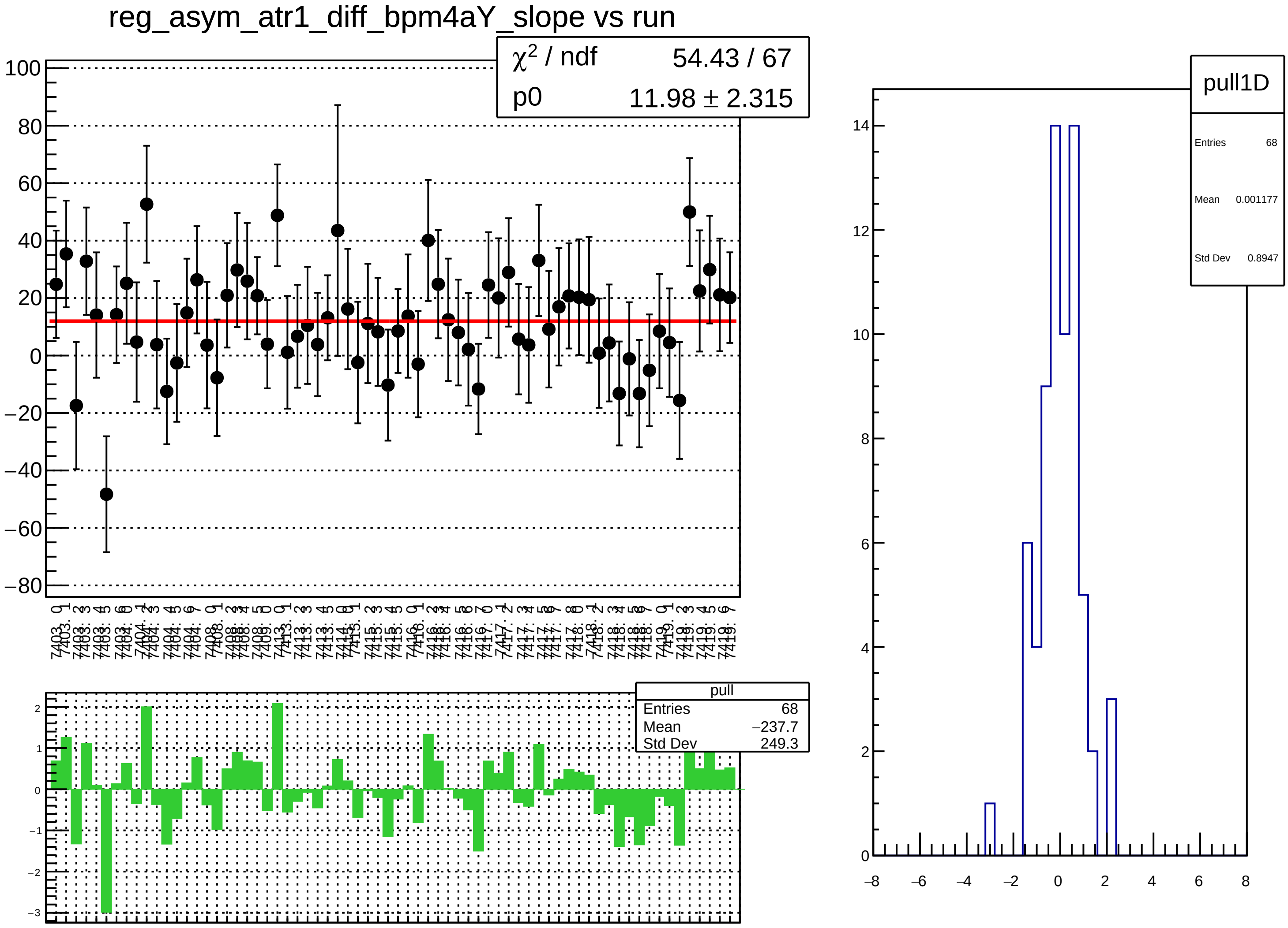


reg_asym_atl2_diff_bpm4eY_slope vs run
χ2 / ndf 20.03 / 67
p0 122.2 ± 6.752
pull
Entries 68
Mean 311.2
Std Dev 289.9
pull1D
Entries 68
Mean 0.008718
Std Dev 0.5427

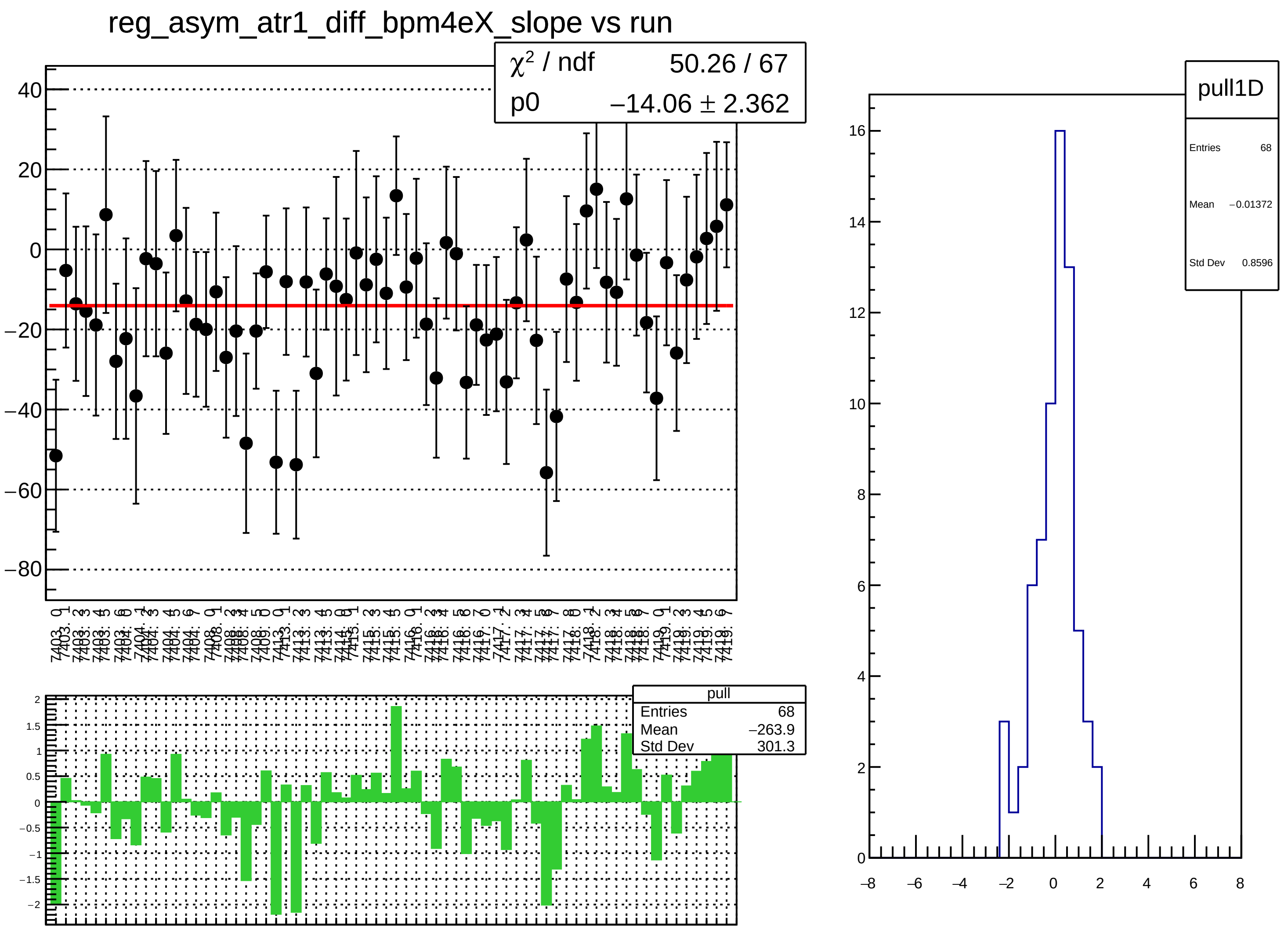

reg_asym_atl2_diff_bpm12X_slope vs run
χ2 / ndf 89.12 / 67
p0 −212.9 ± 0.2984
pull
Entries 68
Mean −1342
Std Dev 1370
pull1D
Entries 68
Mean 0.007489
Std Dev 1.145

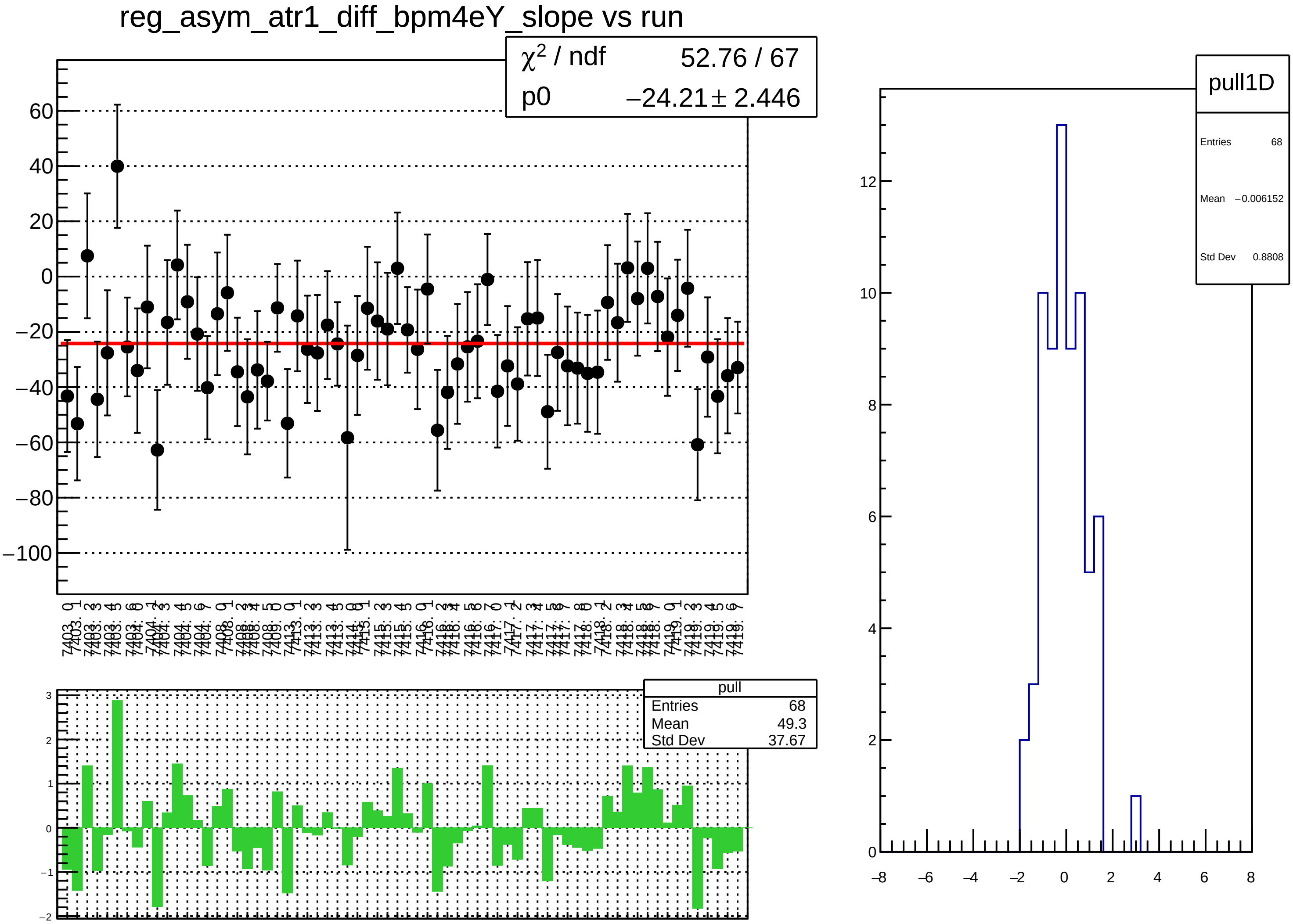

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 51.49 / 67
p0 −42.66 ± 2.272
pull
Entries 68
Mean −362.2
Std Dev 399.6

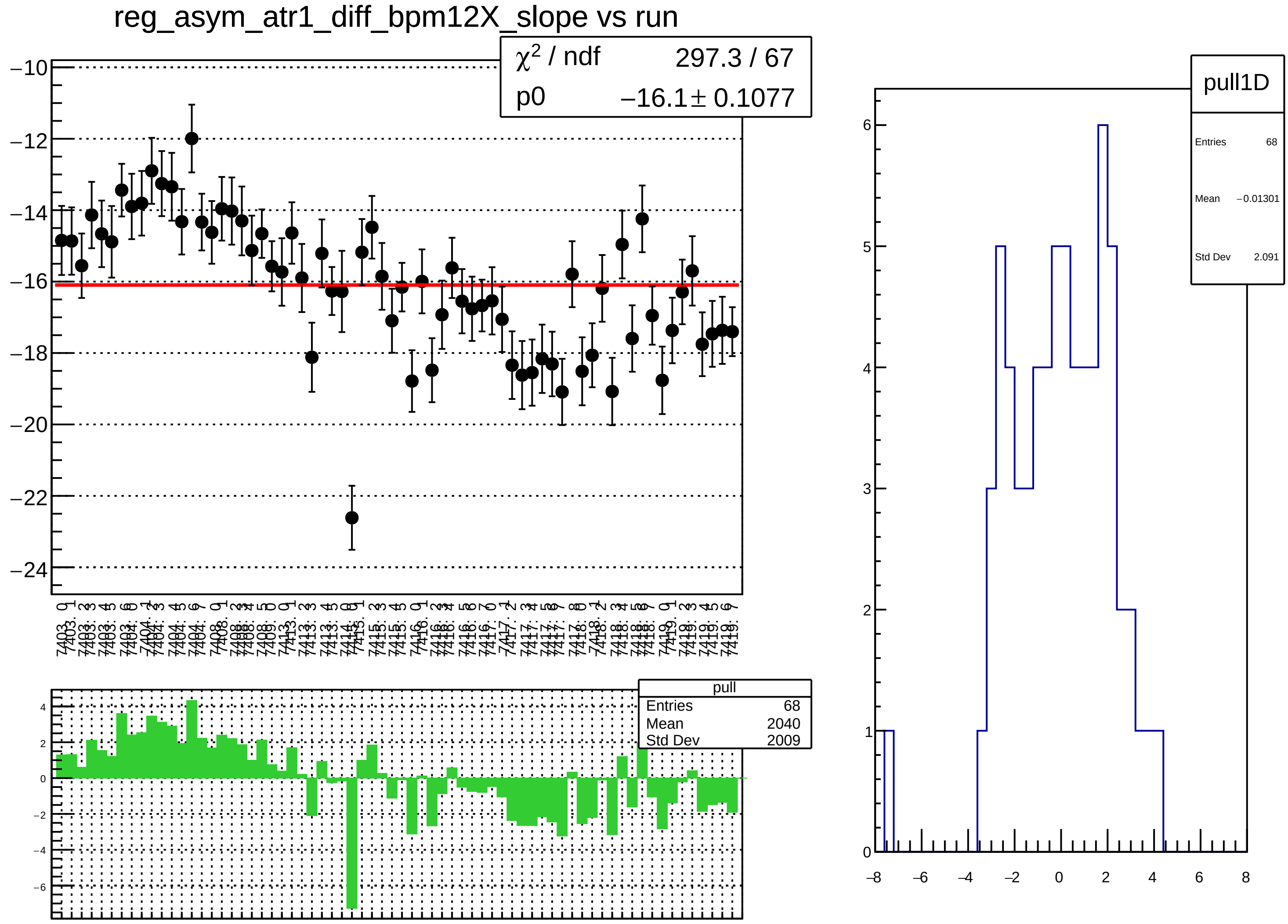

pull1D
Entries 68
Mean 0.01273
Std Dev 0.8701



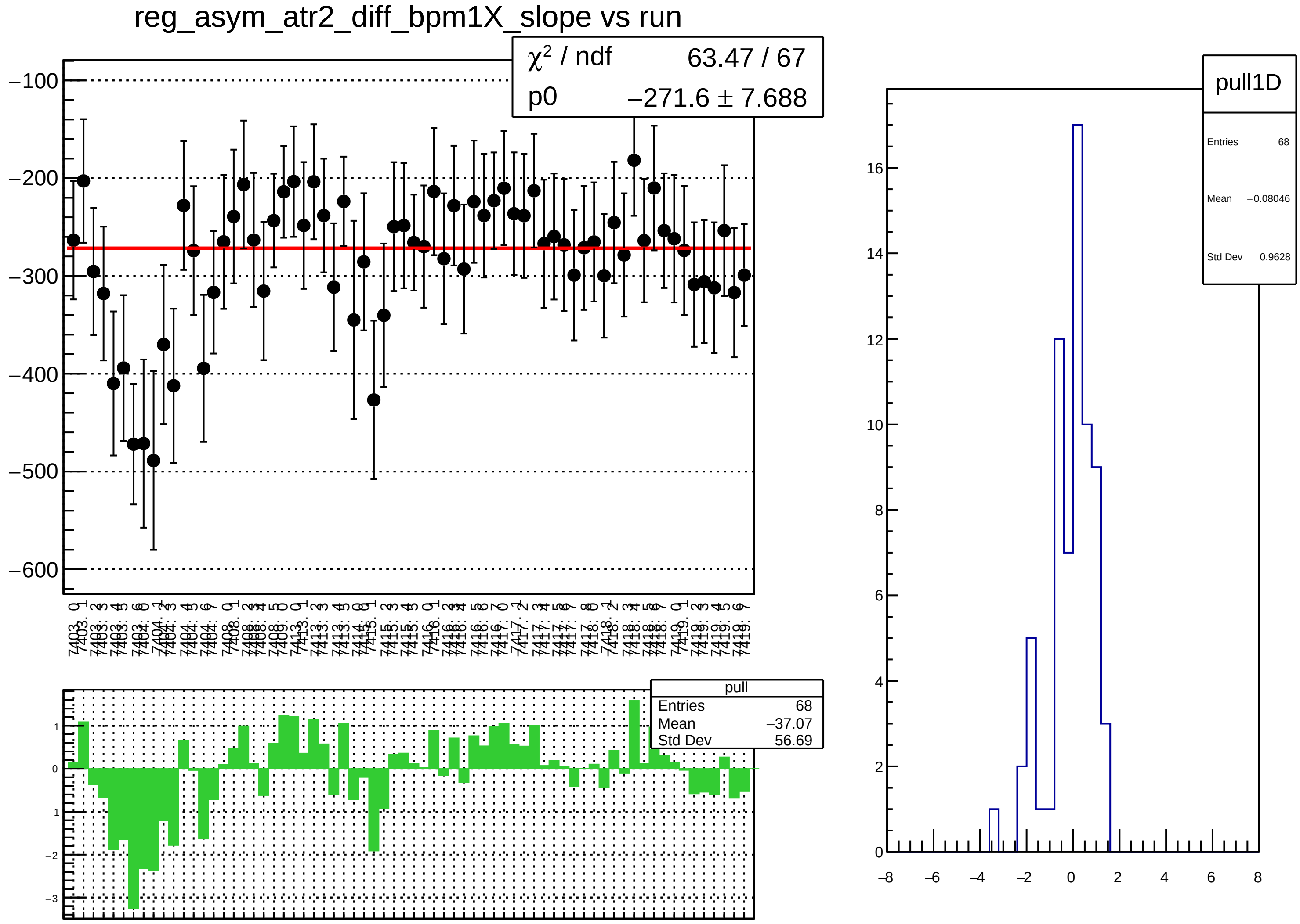
reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 54.43 / 67
p0 11.98 ± 2.315
pull
Entries 68
Mean −237.7
Std Dev 249.3
pull1D
Entries 68
Mean 0.001177
Std Dev 0.8947


reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 50.26 / 67
p0 −14.06 ± 2.362
pull
Entries 68
Mean −263.9
Std Dev 301.3
pull1D
Entries 68
Mean −0.01372
Std Dev 0.8596

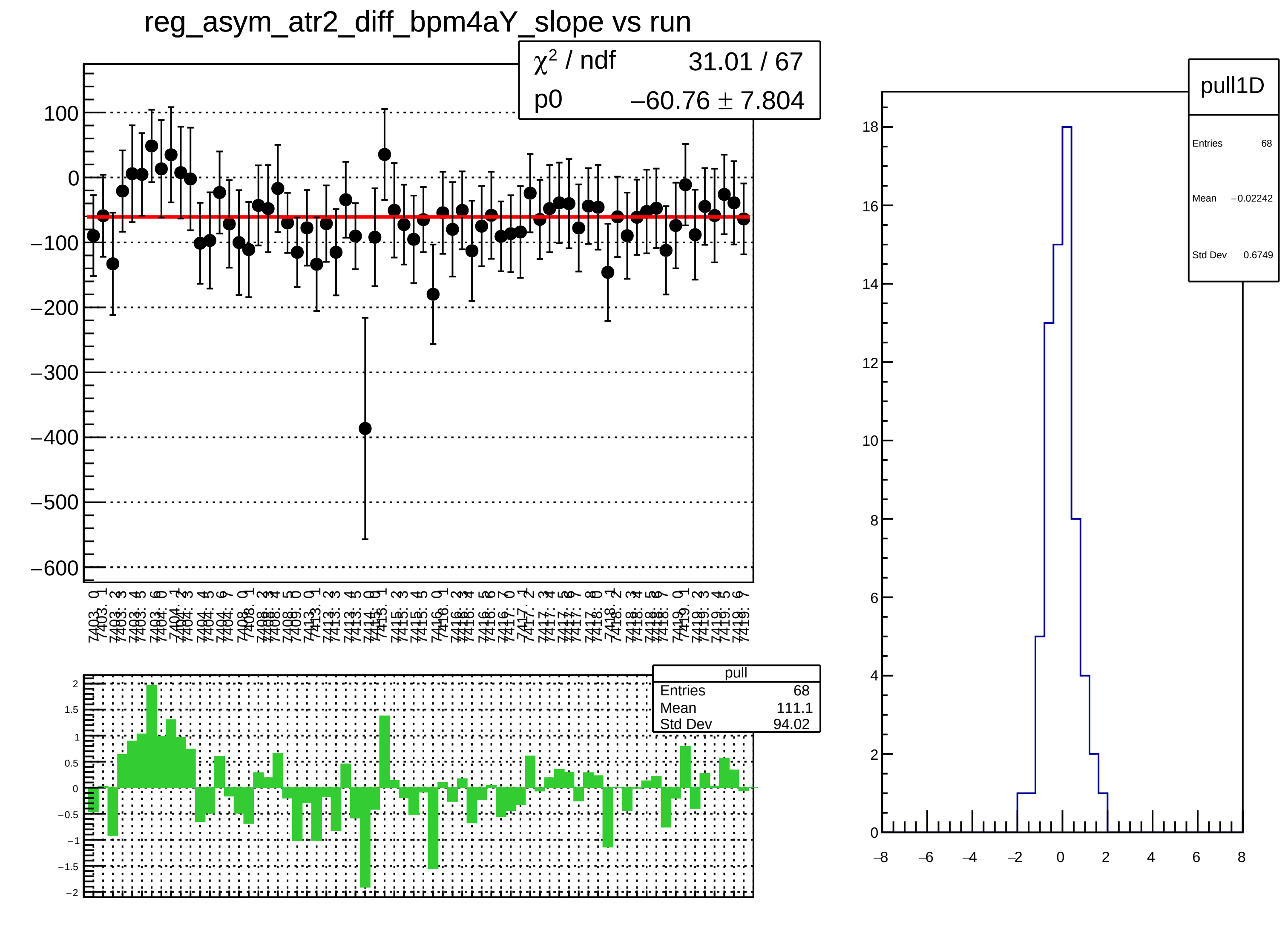

reg_asym_atr1_diff_bpm4eY_slope vs run
χ2 / ndf 52.76 / 67
p0 −24.21 ± 2.446
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 68
Mean 49.3
Std Dev 37.67
3
2
1
0
−1
−2
pull1D
Entries 68
Mean −0.006152
Std Dev 0.8808
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



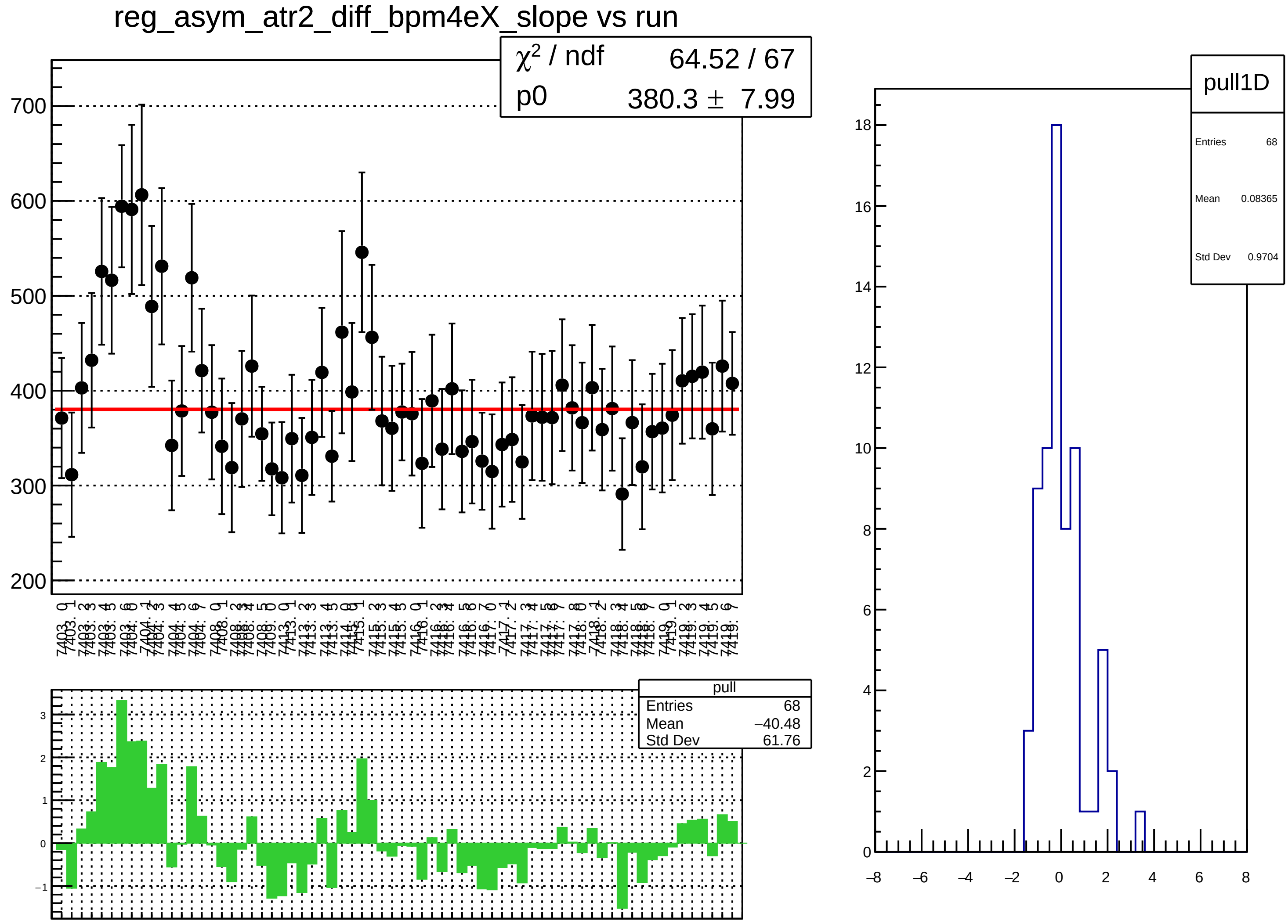
reg_asym_atr1_diff_bpm12X_slope vs run
χ2 / ndf 297.3 / 67
p0 −16.1 ± 0.1077
pull
Entries 68
Mean 2040
Std Dev 2009
pull1D
Entries 68
Mean −0.01301
Std Dev 2.091

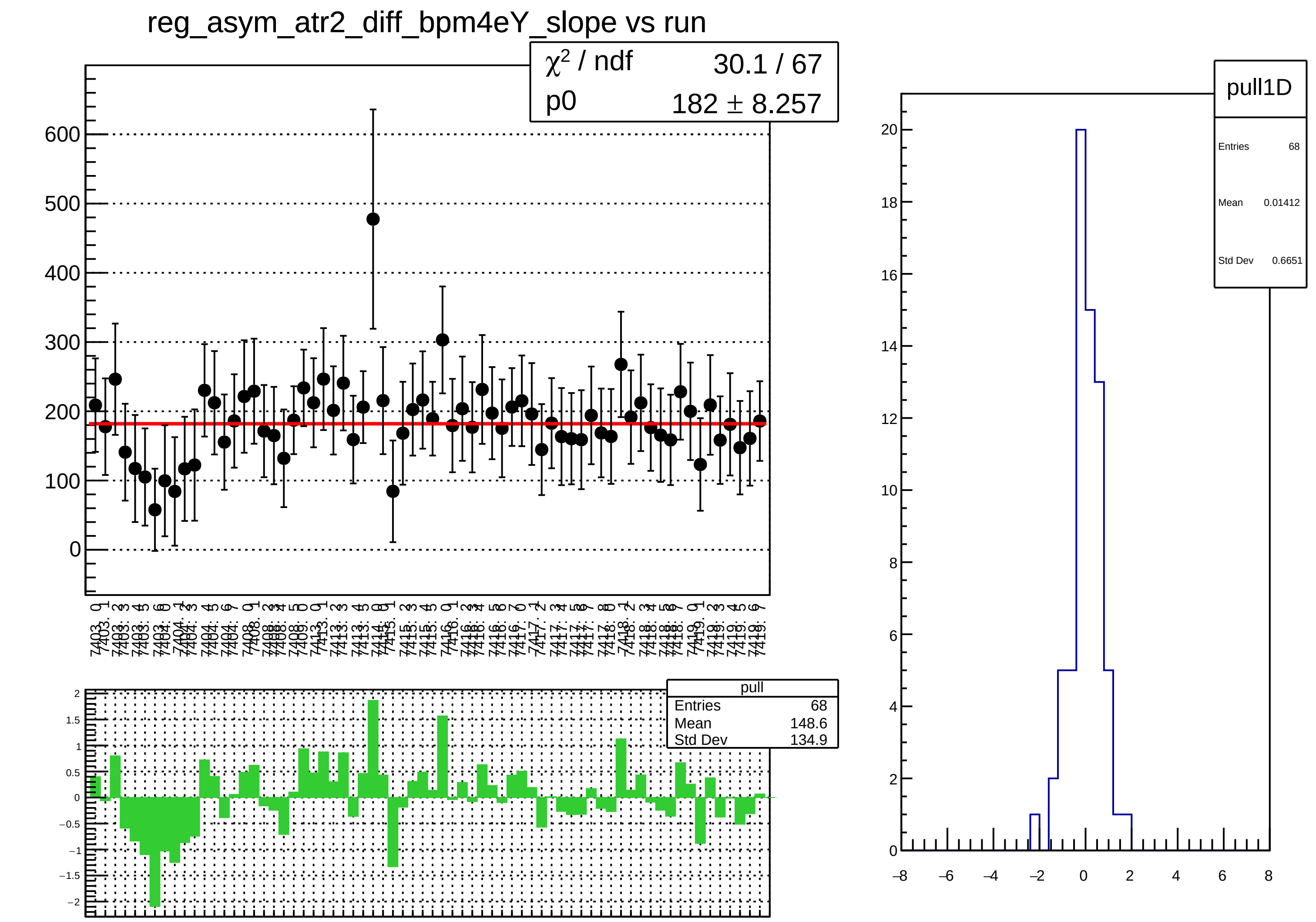


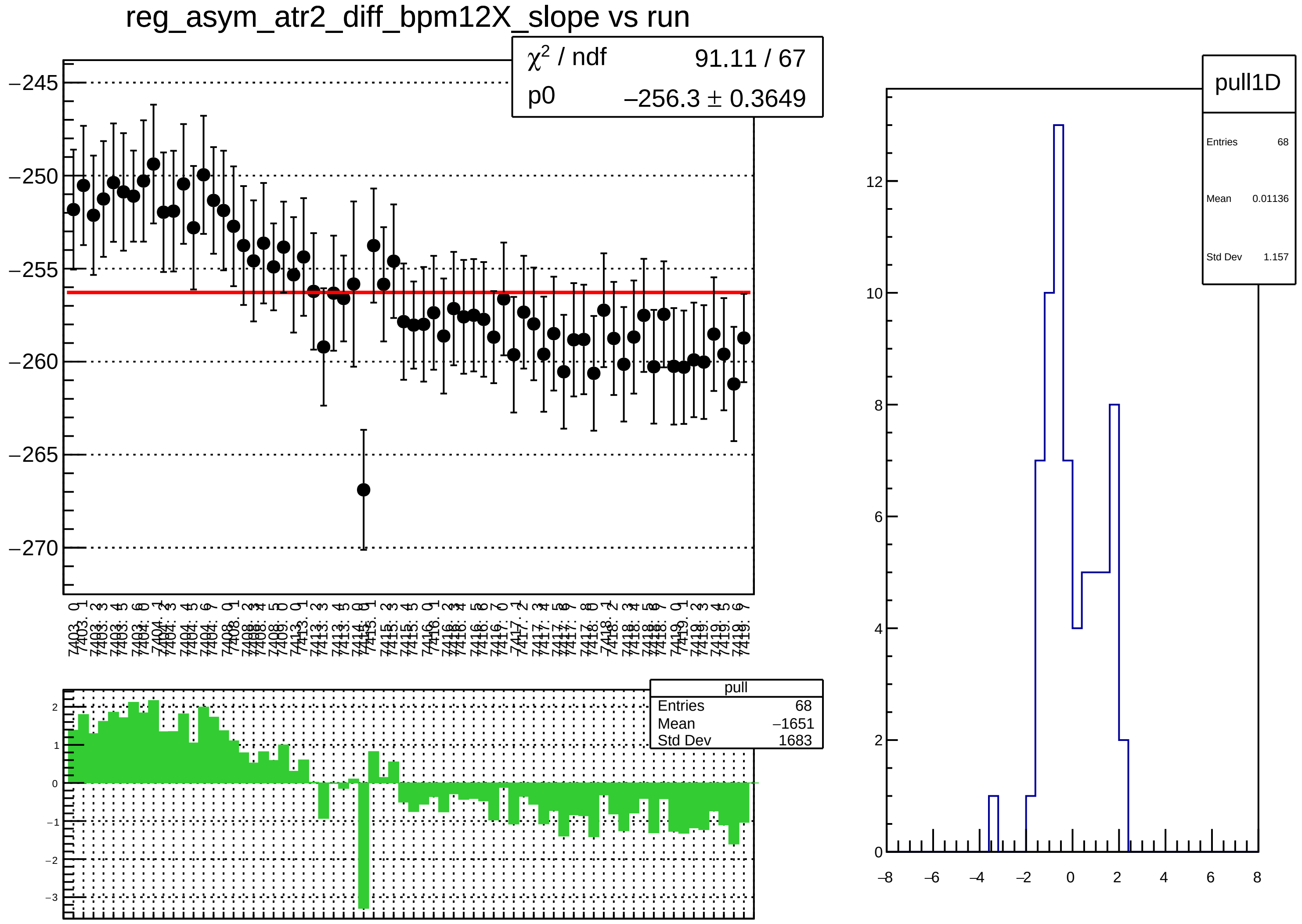
reg_asym_atr2_diff_bpm1X_slope vs run
χ2 / ndf 63.47 / 67
p0 −271.6 ± 7.688
pull
Entries 68
Mean −37.07
Std Dev 56.69
pull1D
Entries 68
Mean −0.08046
Std Dev 0.9628

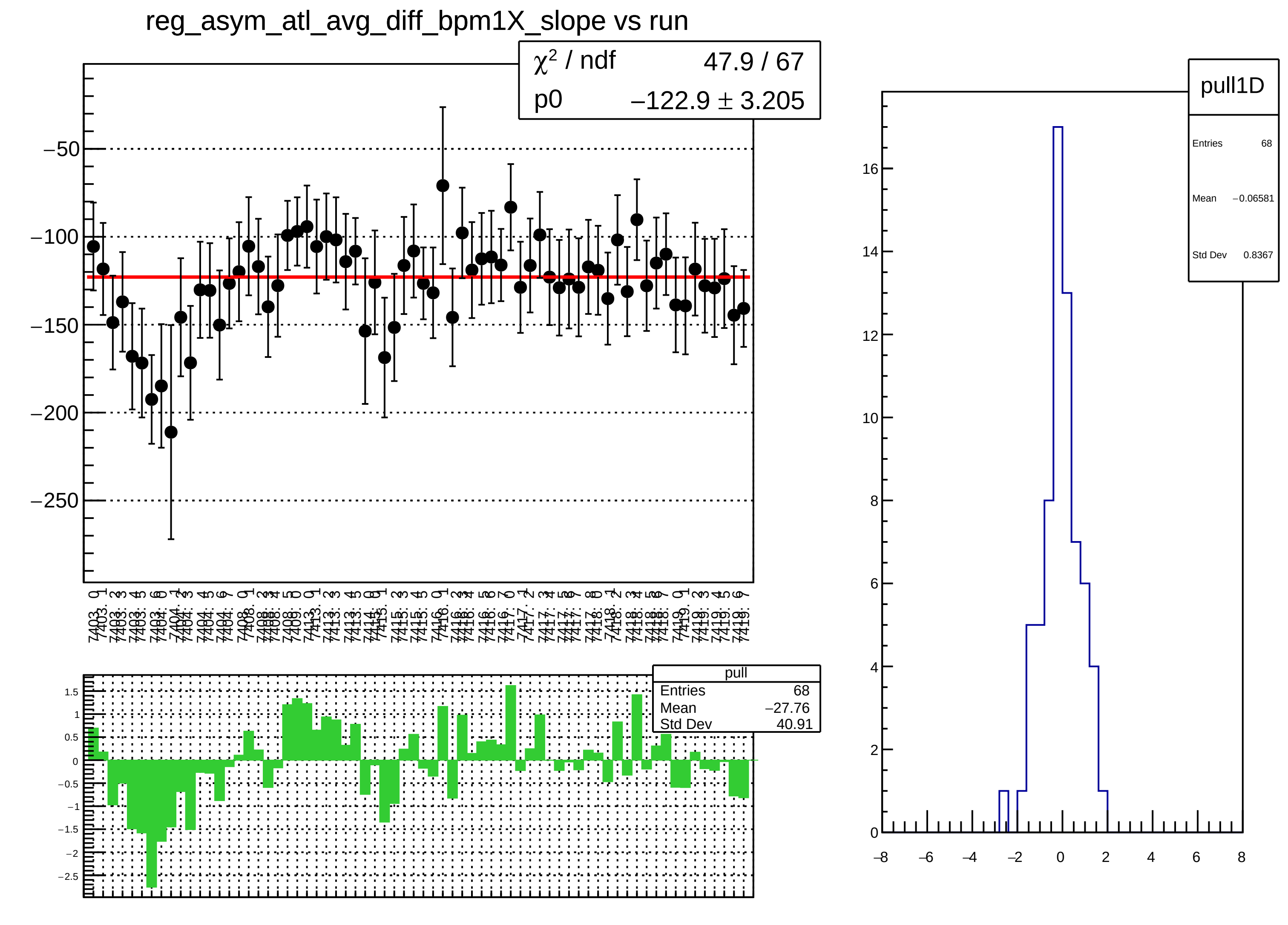


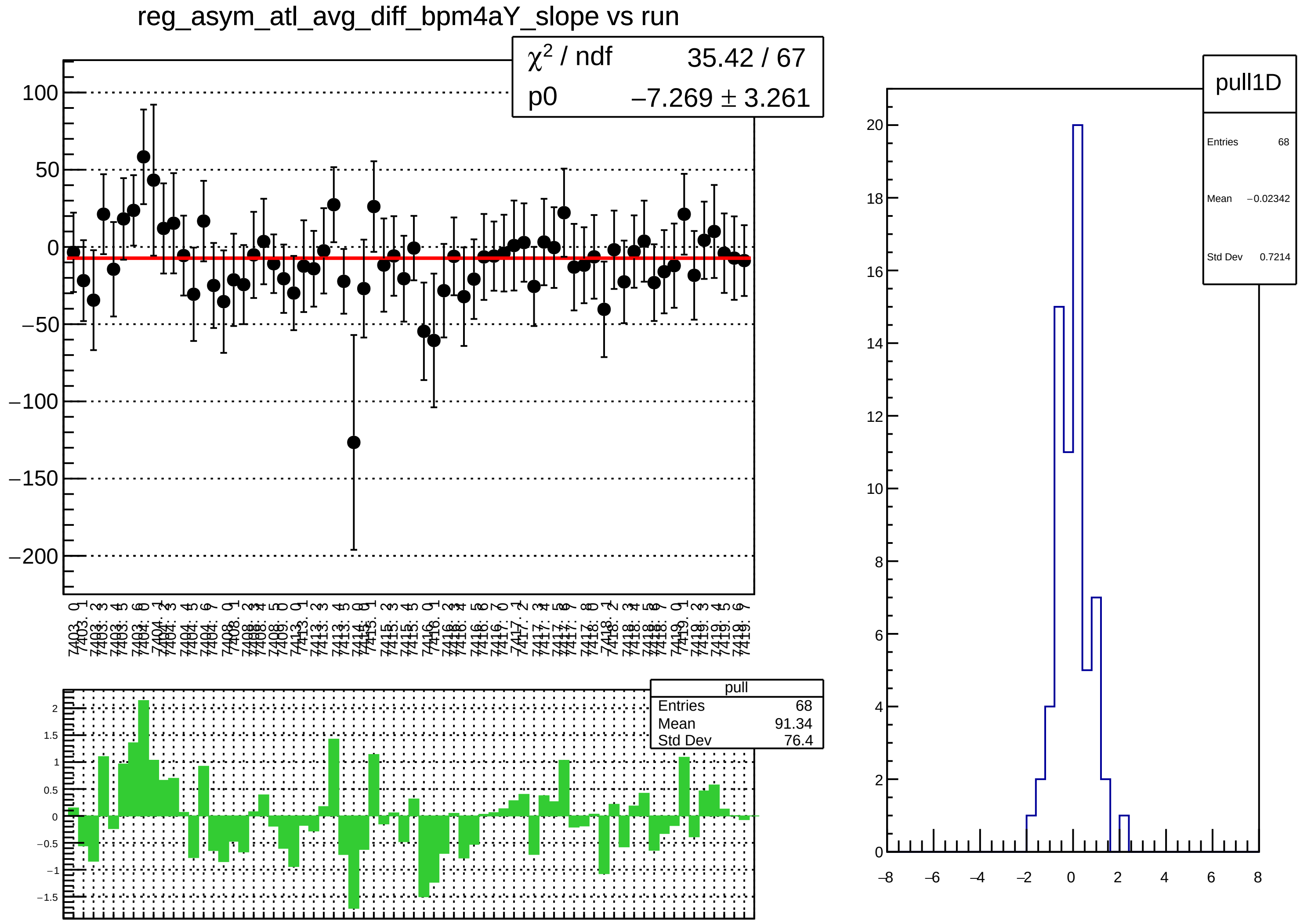
reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 31.01 / 67
p0 −60.76 ± 7.804
pull
Entries 68
Mean 111.1
Std Dev 94.02
pull1D
Entries 68
Mean −0.02242
Std Dev 0.6749


reg_asym_atr2_diff_bpm4eX_slope vs run
χ2 / ndf 64.52 / 67
p0 380.3 ± 7.99
pull
Entries 68
Mean −40.48
Std Dev 61.76
pull1D
Entries 68
Mean 0.08365
Std Dev 0.9704

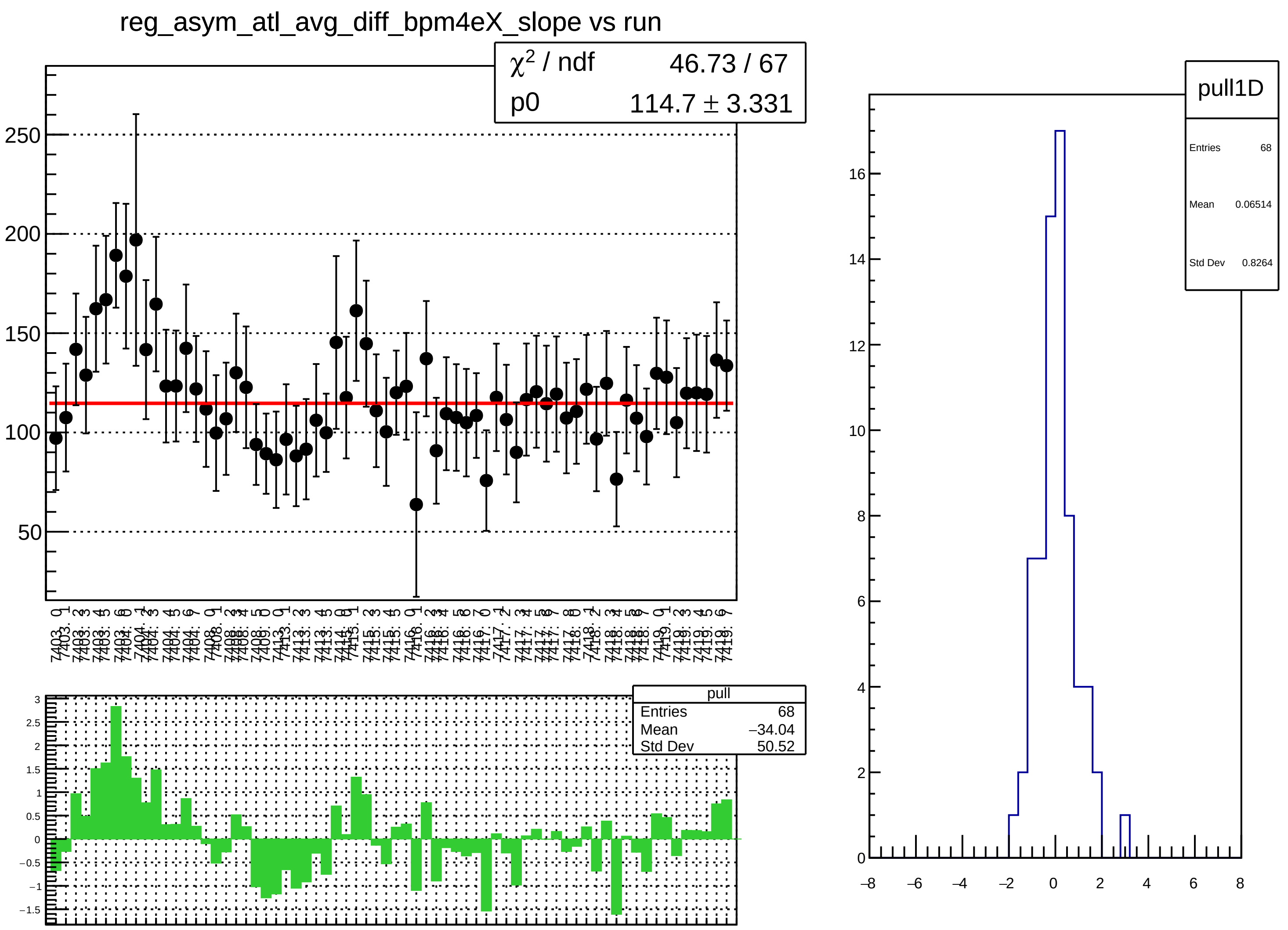

reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 30.1 / 67
p0 182 ± 8.257
pull
Entries 68
Mean 148.6
Std Dev 134.9
pull1D
Entries 68
Mean 0.01412
Std Dev 0.6651

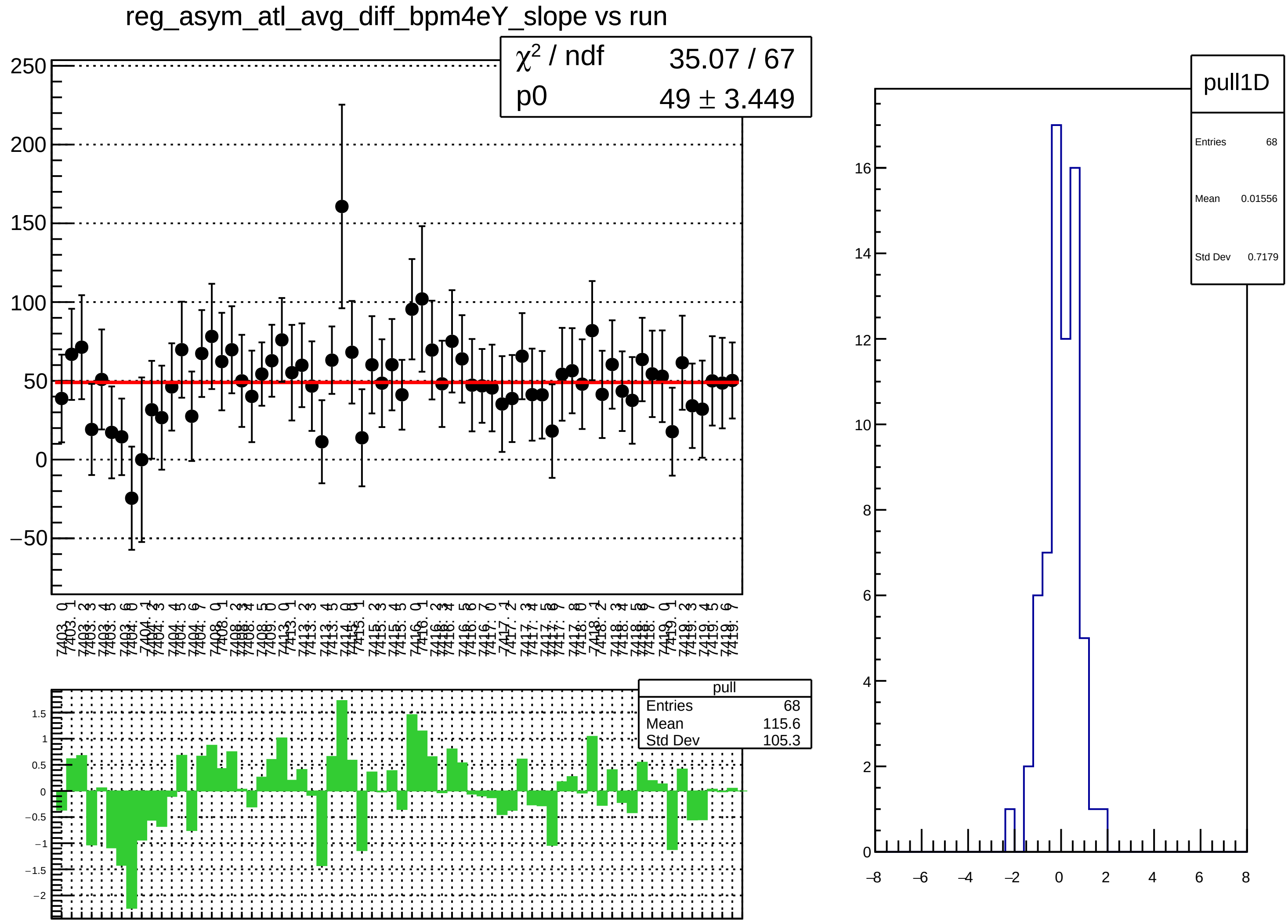

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 91.11 / 67
p0 −256.3 ± 0.3649
pull
Entries 68
Mean −1651
Std Dev 1683
pull1D
Entries 68
Mean 0.01136
Std Dev 1.157


reg_asym_atl_avg_diff_bpm1X_slope vs run
χ2 / ndf 47.9 / 67
p0 −122.9 ± 3.205
−50
−100
−150
−200
−250
pull
Entries 68
Mean −27.76
Std Dev 40.91
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 68
Mean −0.06581
Std Dev 0.8367
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

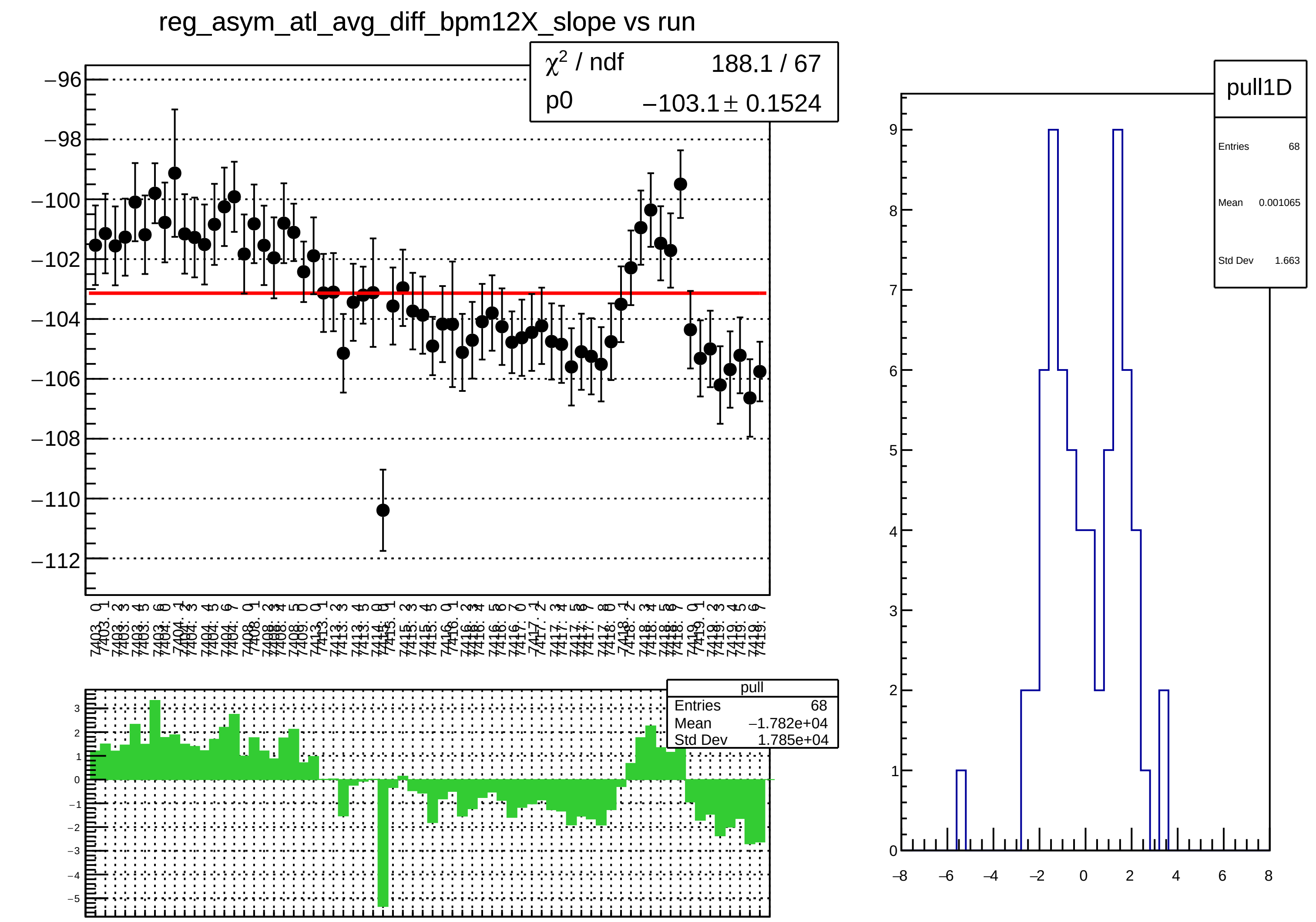


reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 35.42 / 67
p0 −7.269 ± 3.261
pull
Entries 68
Mean 91.34
Std Dev 76.4
pull1D
Entries 68
Mean −0.02342
Std Dev 0.7214

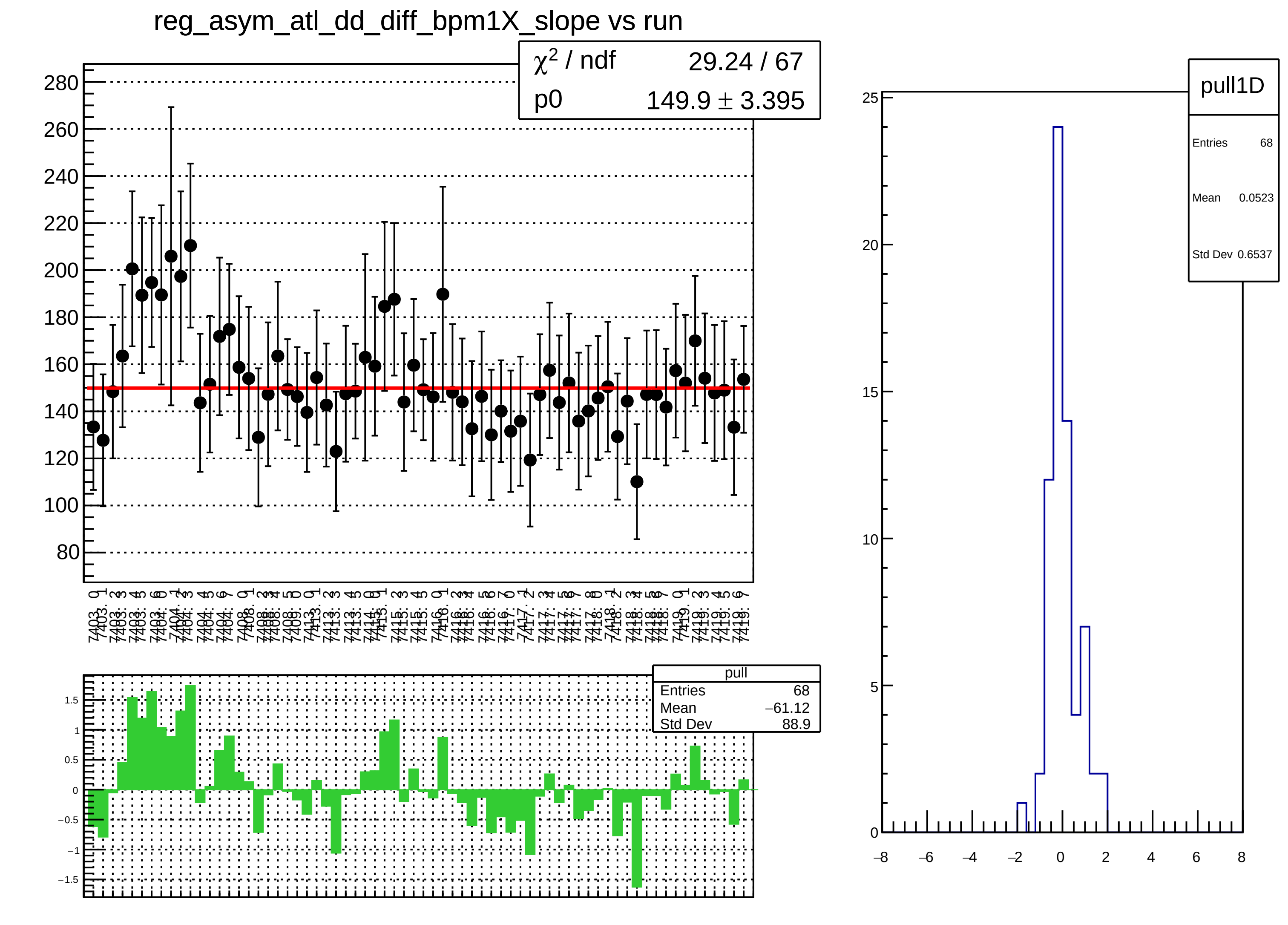

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 46.73 / 67
p0 114.7 ± 3.331
pull
Entries 68
Mean −34.04
Std Dev 50.52
pull1D
Entries 68
Mean 0.06514
Std Dev 0.8264



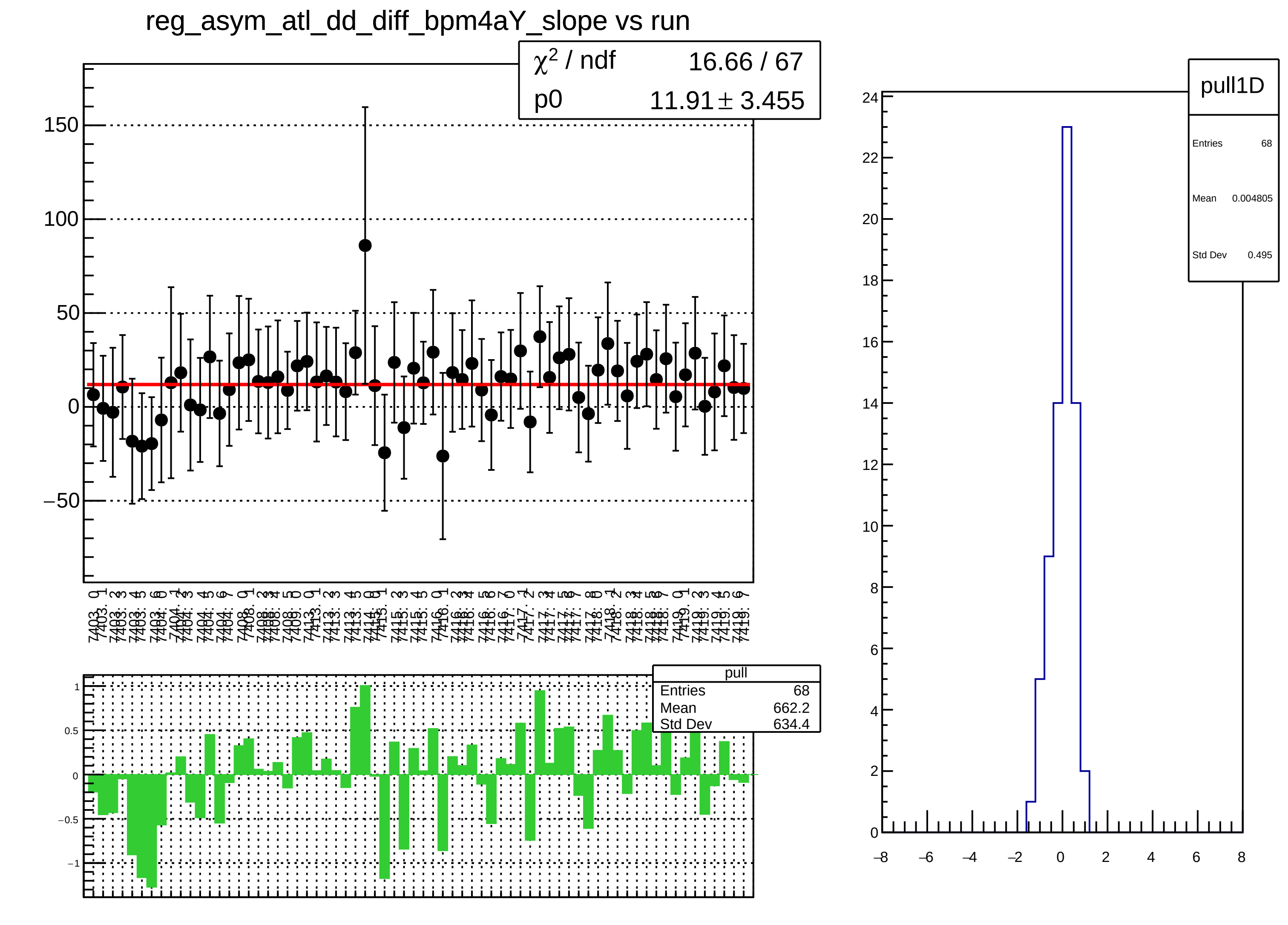
reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.07 / 67
p0 49 ± 3.449
pull
Entries 68
Mean 115.6
Std Dev 105.3
pull1D
Entries 68
Mean 0.01556
Std Dev 0.7179



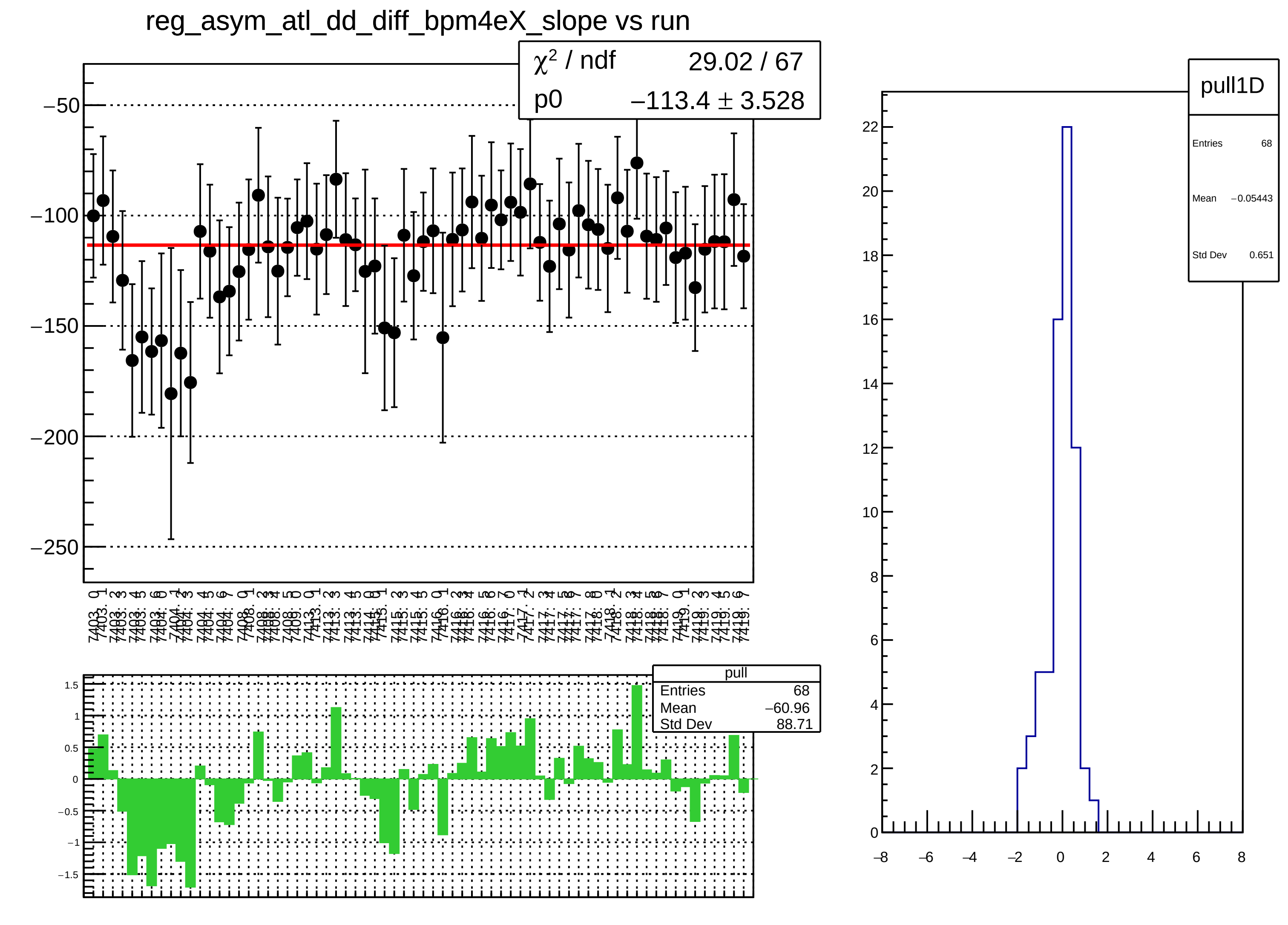
reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 188.1 / 67
p0 −103.1 ± 0.1524
pull
Entries 68
Mean −1.782e+04
Std Dev 1.785e+04
pull1D
Entries 68
Mean 0.001065
Std Dev 1.663

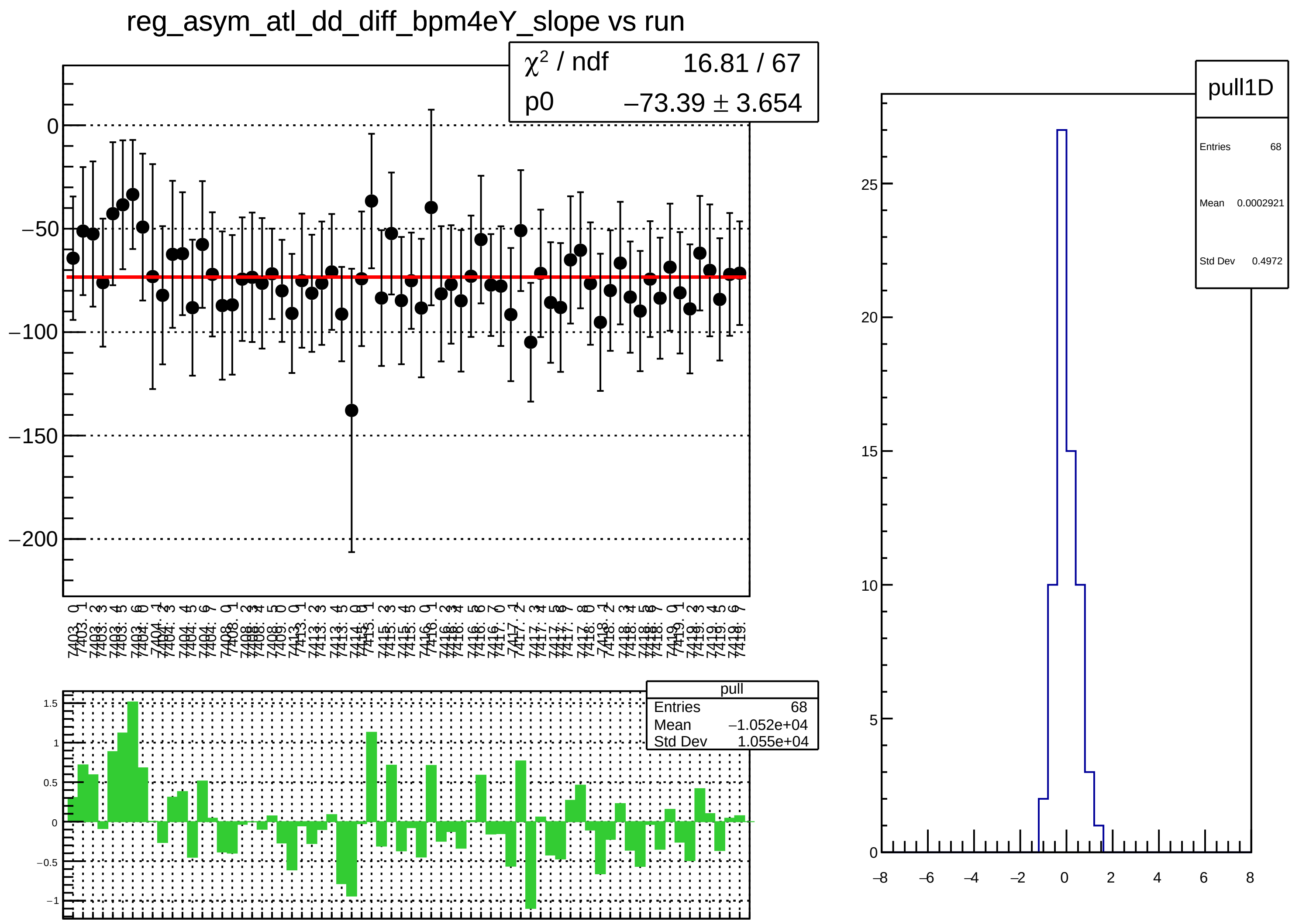


reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 29.24 / 67
p0 149.9 ± 3.395
pull
Entries 68
Mean −61.12
Std Dev 88.9
pull1D
Entries 68
Mean 0.0523
Std Dev 0.6537

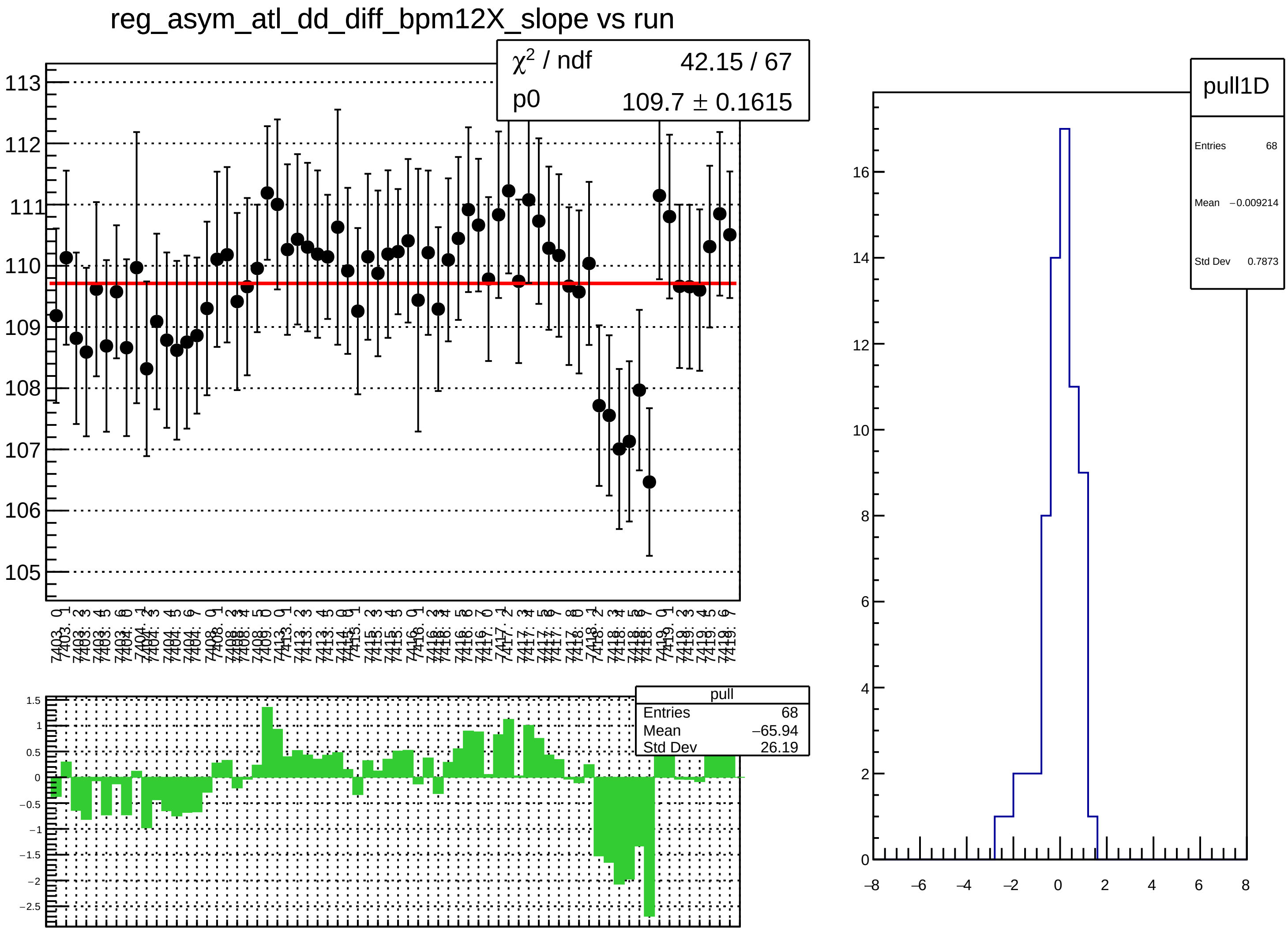


reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 16.66 / 67
p0 11.91 ± 3.455
pull
Entries 68
Mean 662.2
Std Dev 634.4
pull1D
Entries 68
Mean 0.004805
Std Dev 0.495

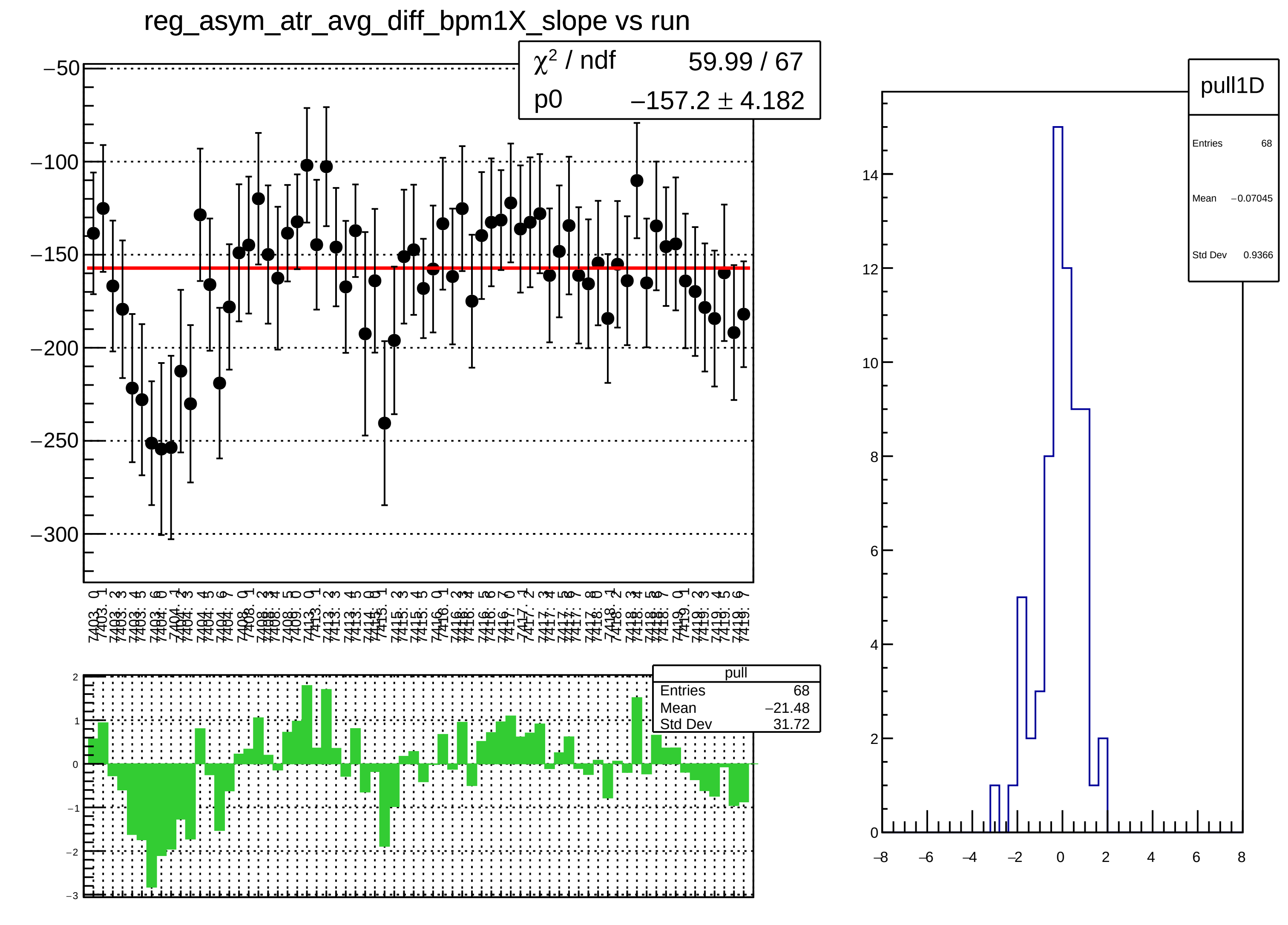

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 29.02 / 67
p0 −113.4 ± 3.528
pull
Entries 68
Mean −60.96
Std Dev 88.71
pull1D
Entries 68
Mean −0.05443
Std Dev 0.651

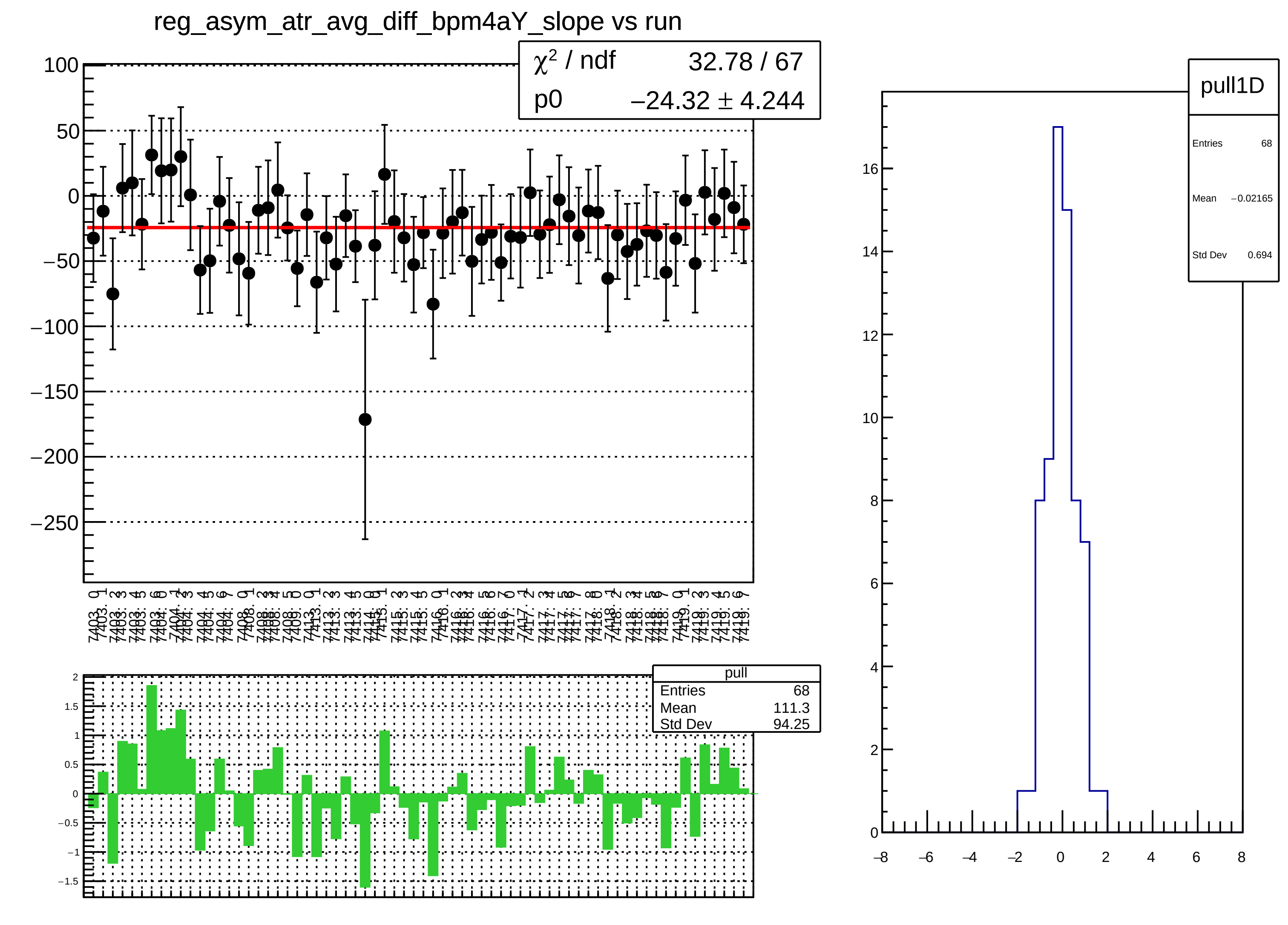


reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ2 / ndf 16.81 / 67
p0 −73.39 ± 3.654
pull
Entries 68
Mean −1.052e+04
Std Dev 1.055e+04
pull1D
Entries 68
Mean 0.0002921
Std Dev 0.4972

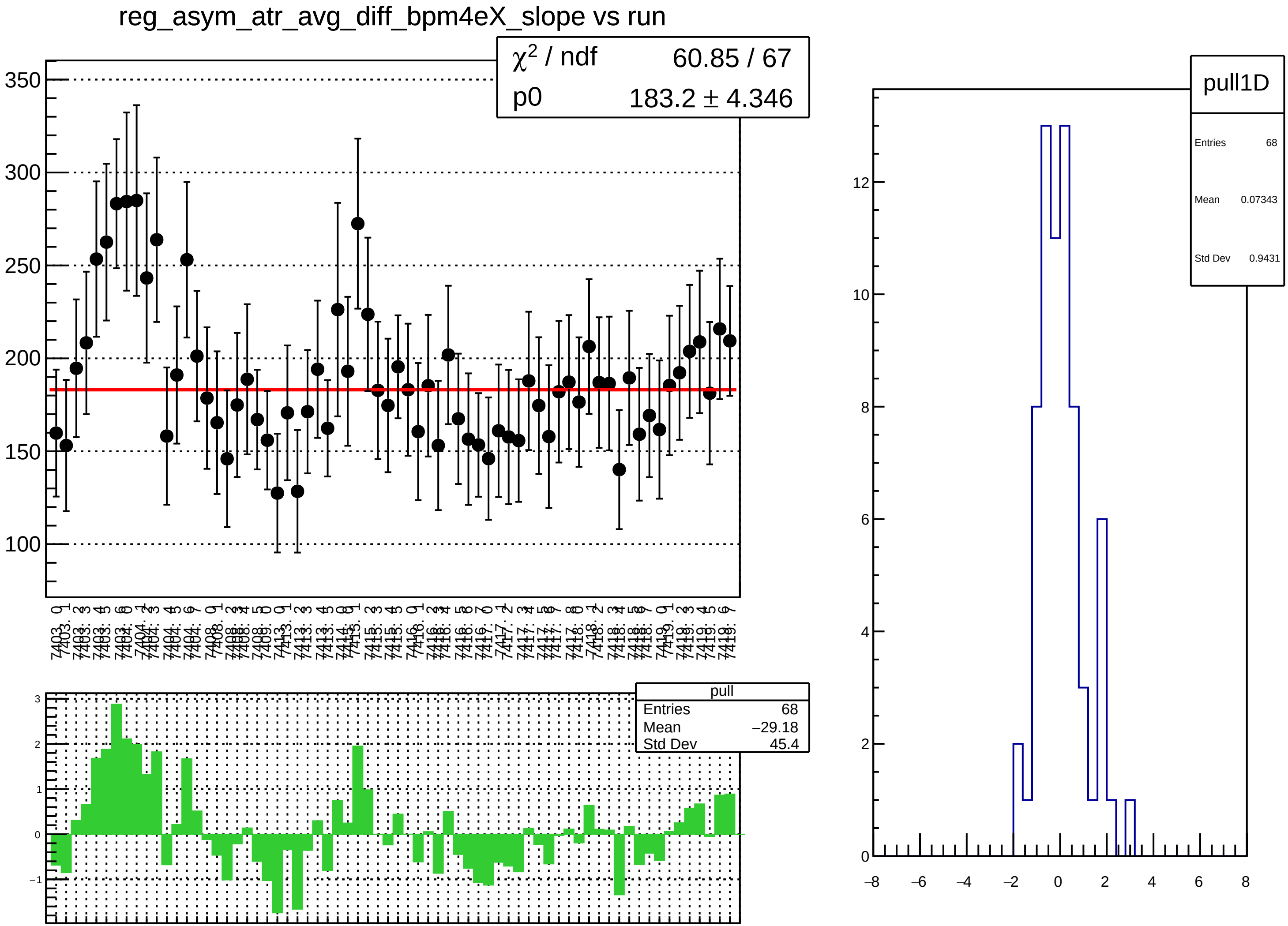


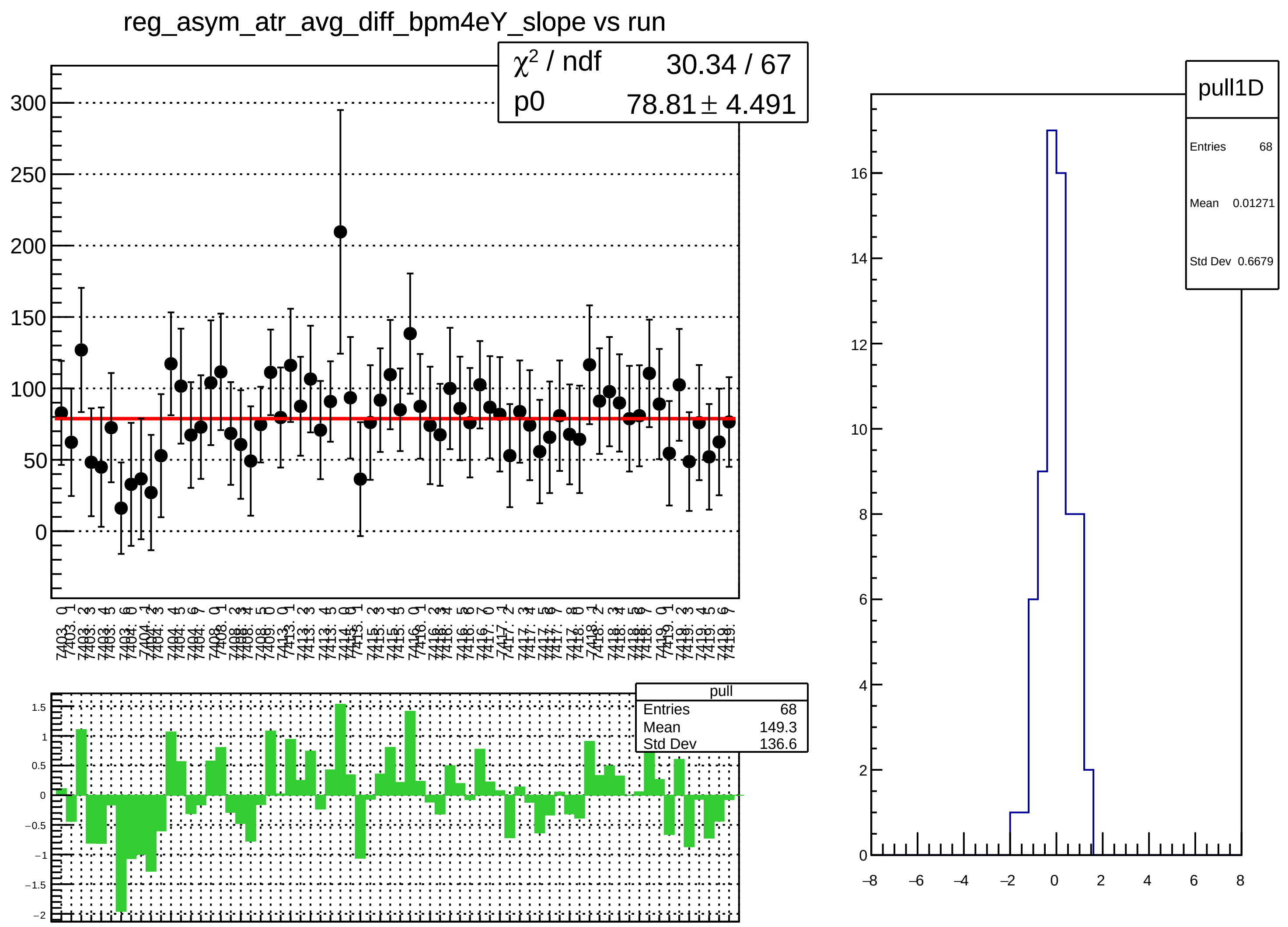
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 42.15 / 67
p0 109.7 ± 0.1615
pull
Entries 68
Mean −65.94
Std Dev 26.19
pull1D
Entries 68
Mean −0.009214
Std Dev 0.7873


reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 59.99 / 67
p0 −157.2 ± 4.182
pull
Entries 68
Mean −21.48
Std Dev 31.72
pull1D
Entries 68
Mean −0.07045
Std Dev 0.9366

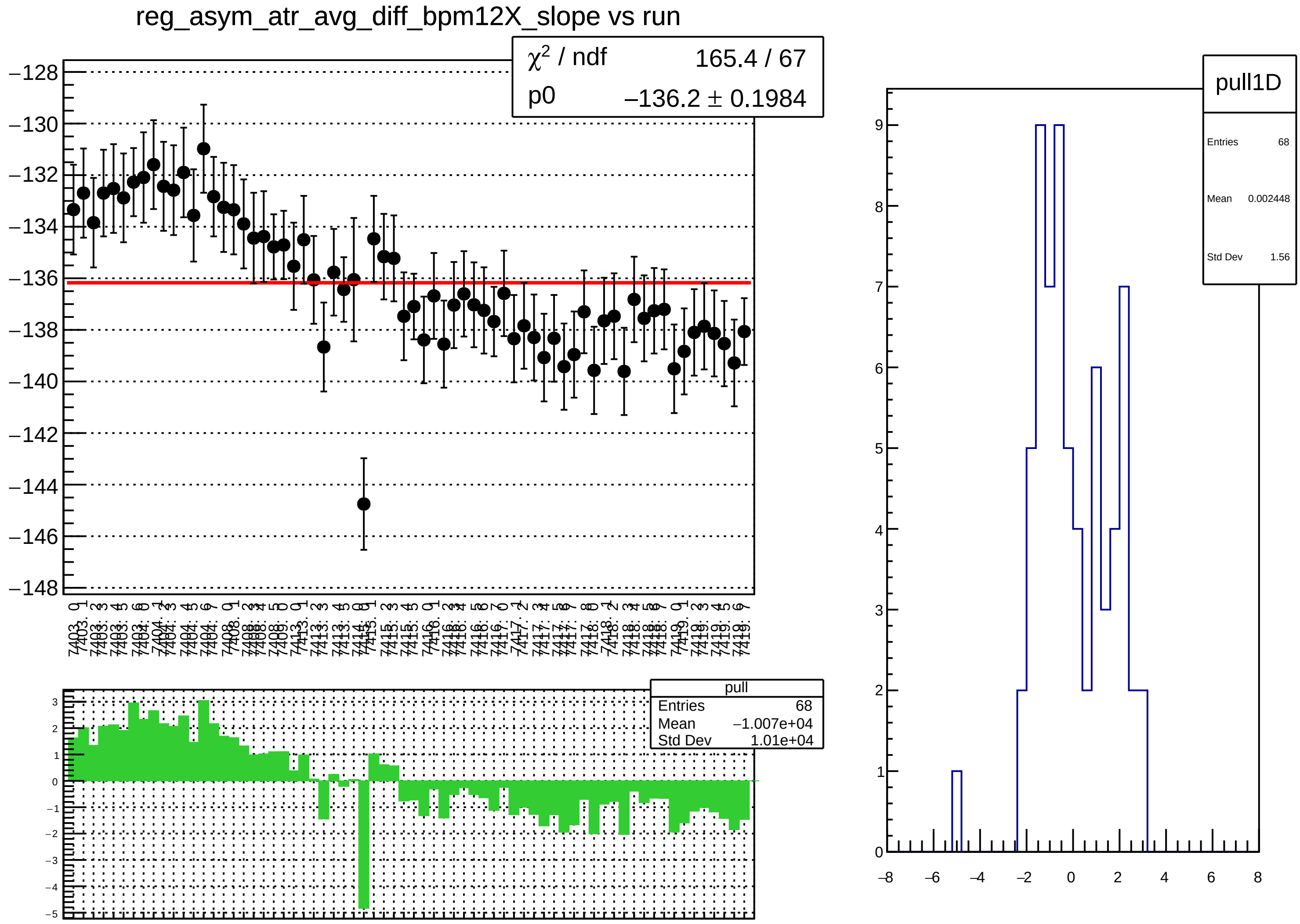


reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 32.78 / 67
p0 −24.32 ± 4.244
pull
Entries 68
Mean 111.3
Std Dev 94.25
pull1D
Entries 68
Mean −0.02165
Std Dev 0.694

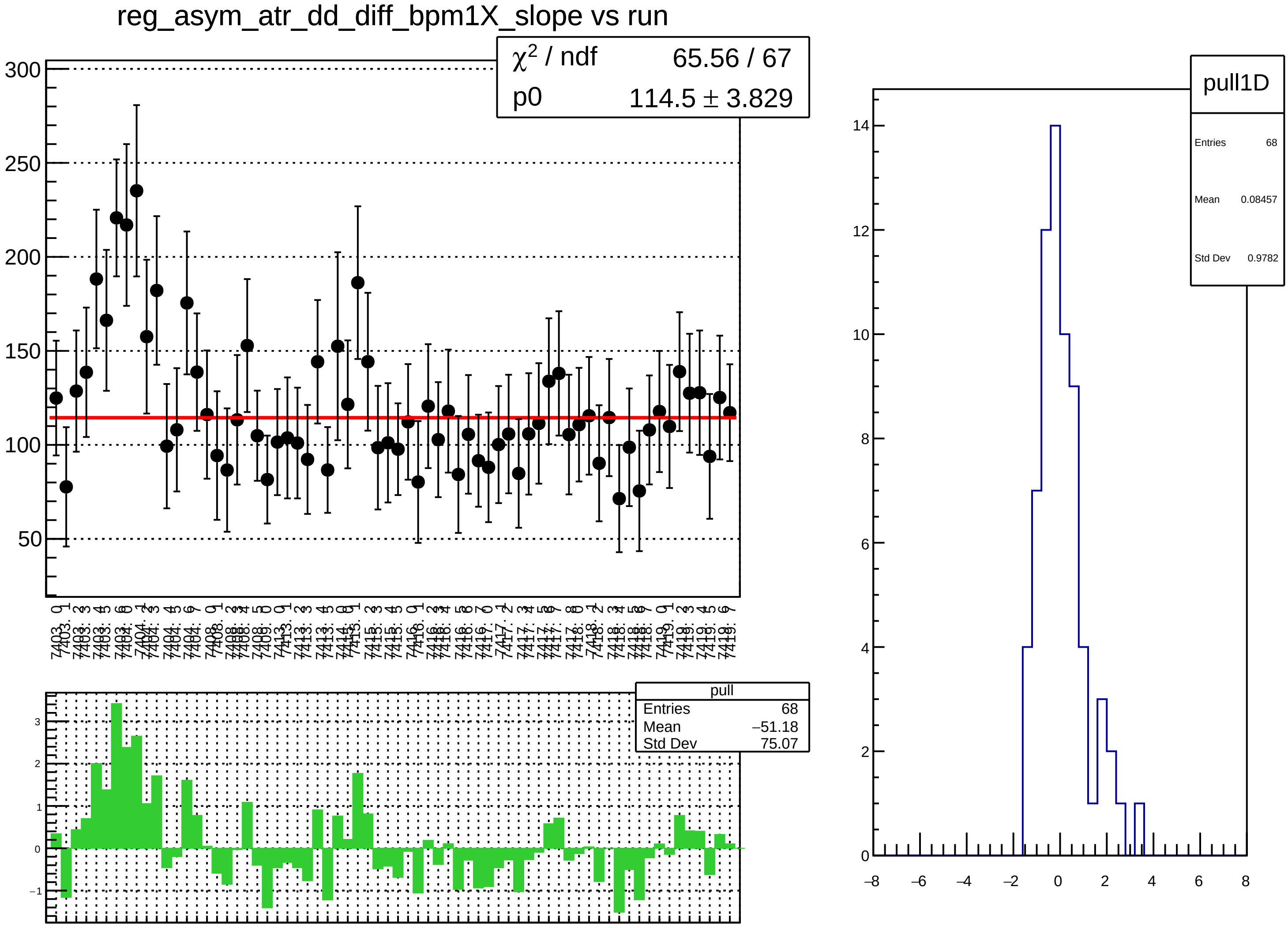

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 60.85 / 67
p0 183.2 ± 4.346
pull
Entries 68
Mean −29.18
Std Dev 45.4
pull1D
Entries 68
Mean 0.07343
Std Dev 0.9431



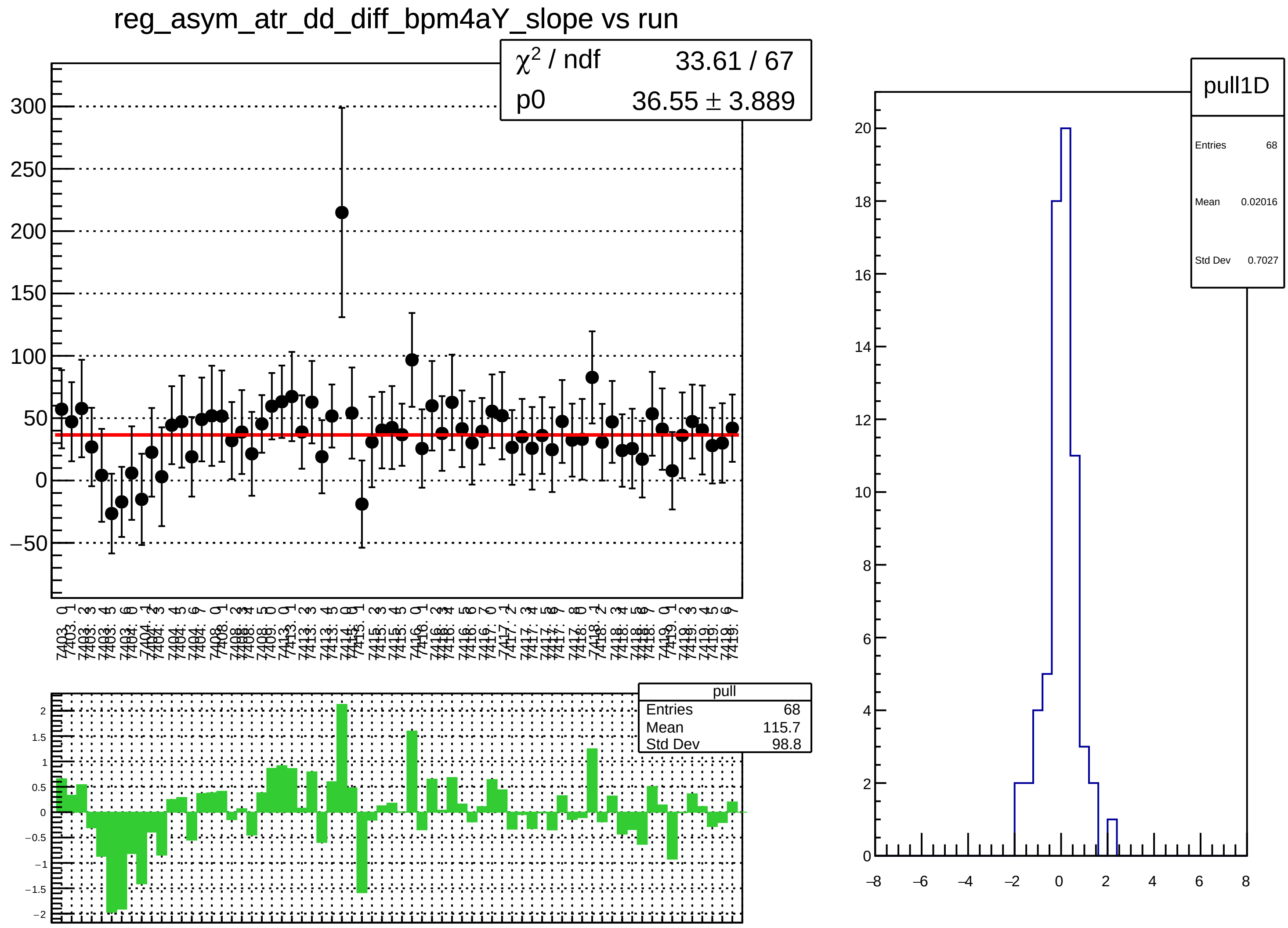
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 30.34 / 67
p0 78.81 ± 4.491
pull
Entries 68
Mean 149.3
Std Dev 136.6
pull1D
Entries 68
Mean 0.01271
Std Dev 0.6679

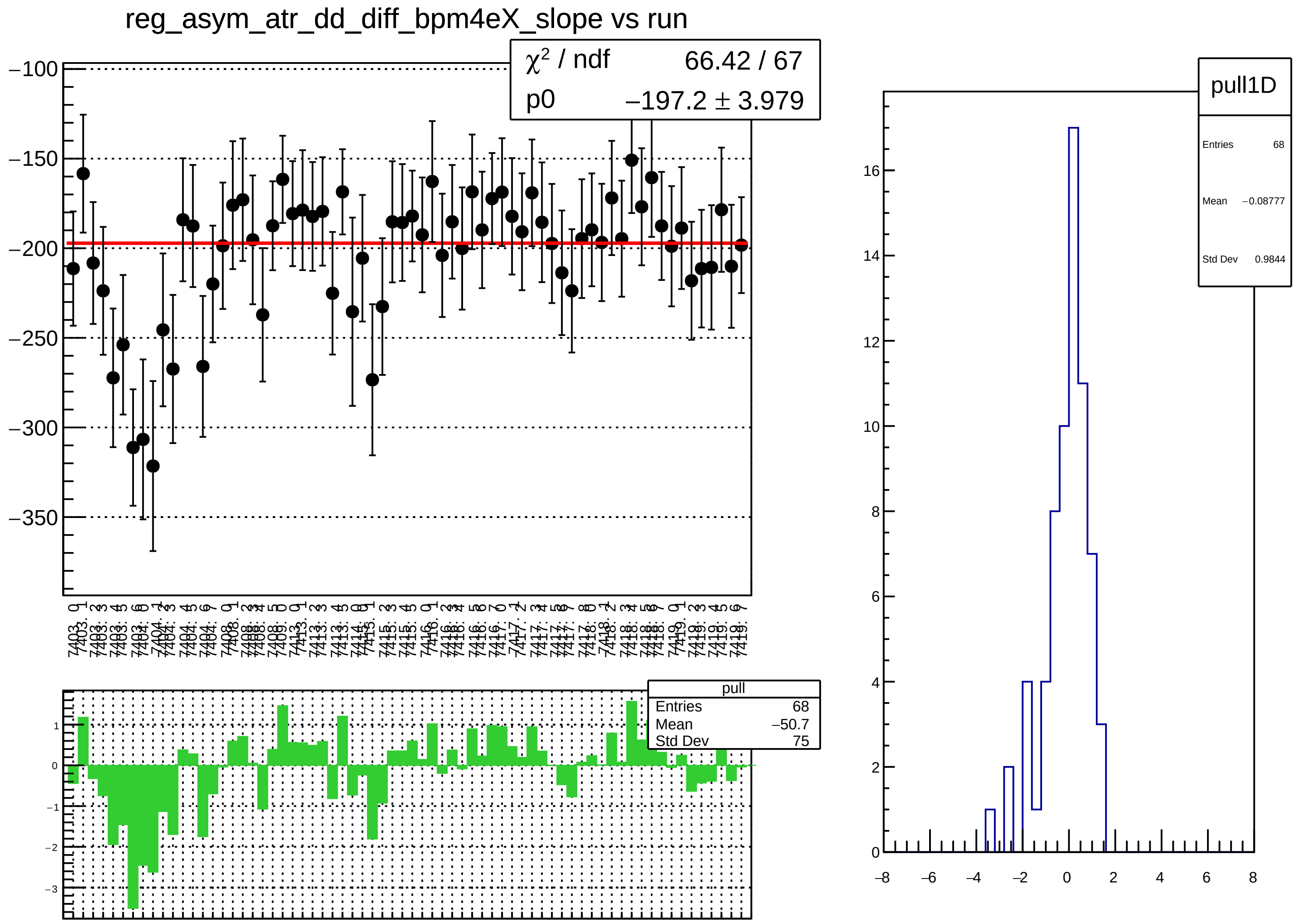


reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 165.4 / 67
p0 −136.2 ± 0.1984
pull
Entries 68
Mean −1.007e+04
Std Dev 1.01e+04
pull1D
Entries 68
Mean 0.002448
Std Dev 1.56

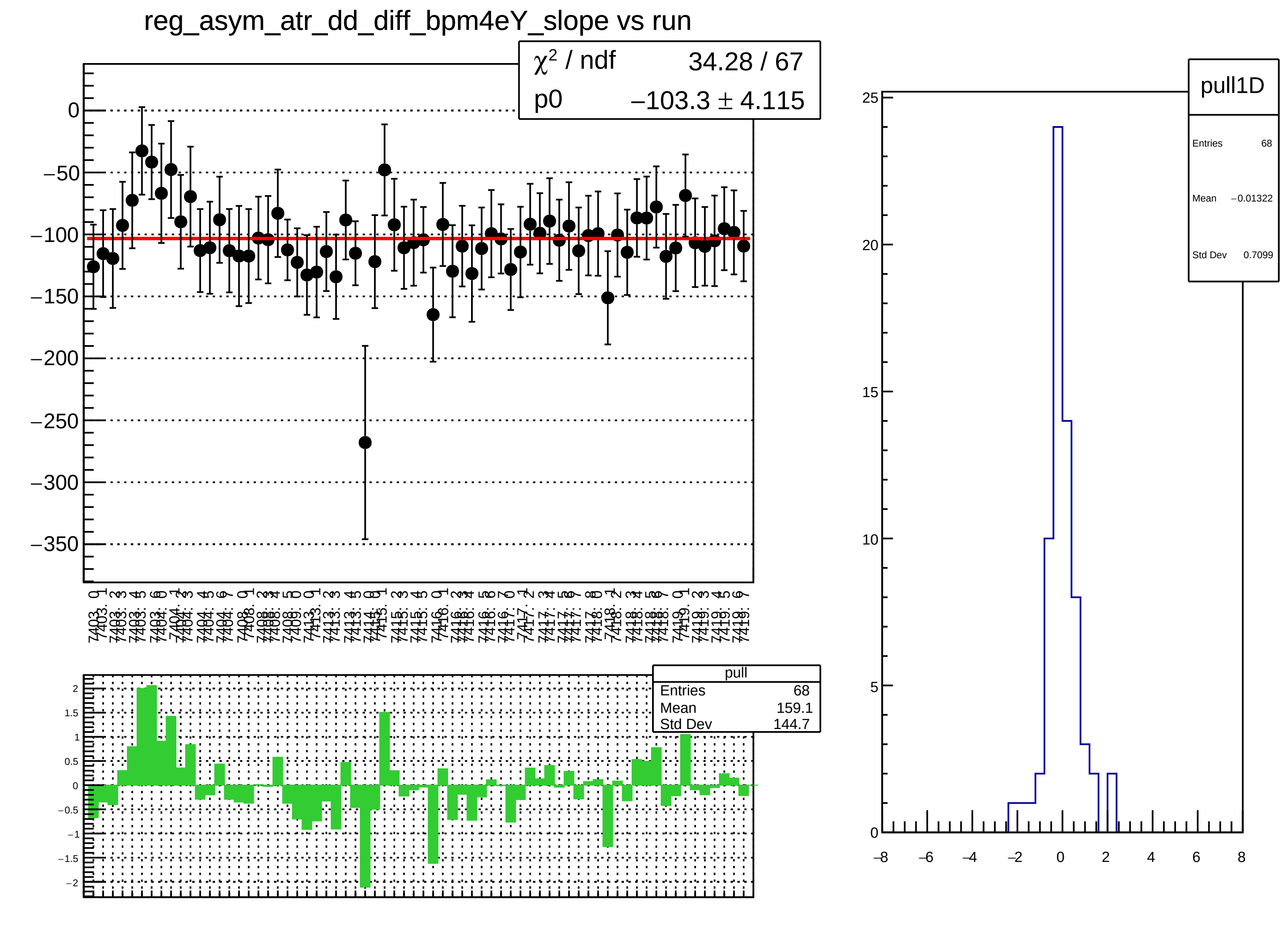


reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 65.56 / 67
p0 114.5 ± 3.829
pull
Entries 68
Mean −51.18
Std Dev 75.07
pull1D
Entries 68
Mean 0.08457
Std Dev 0.9782

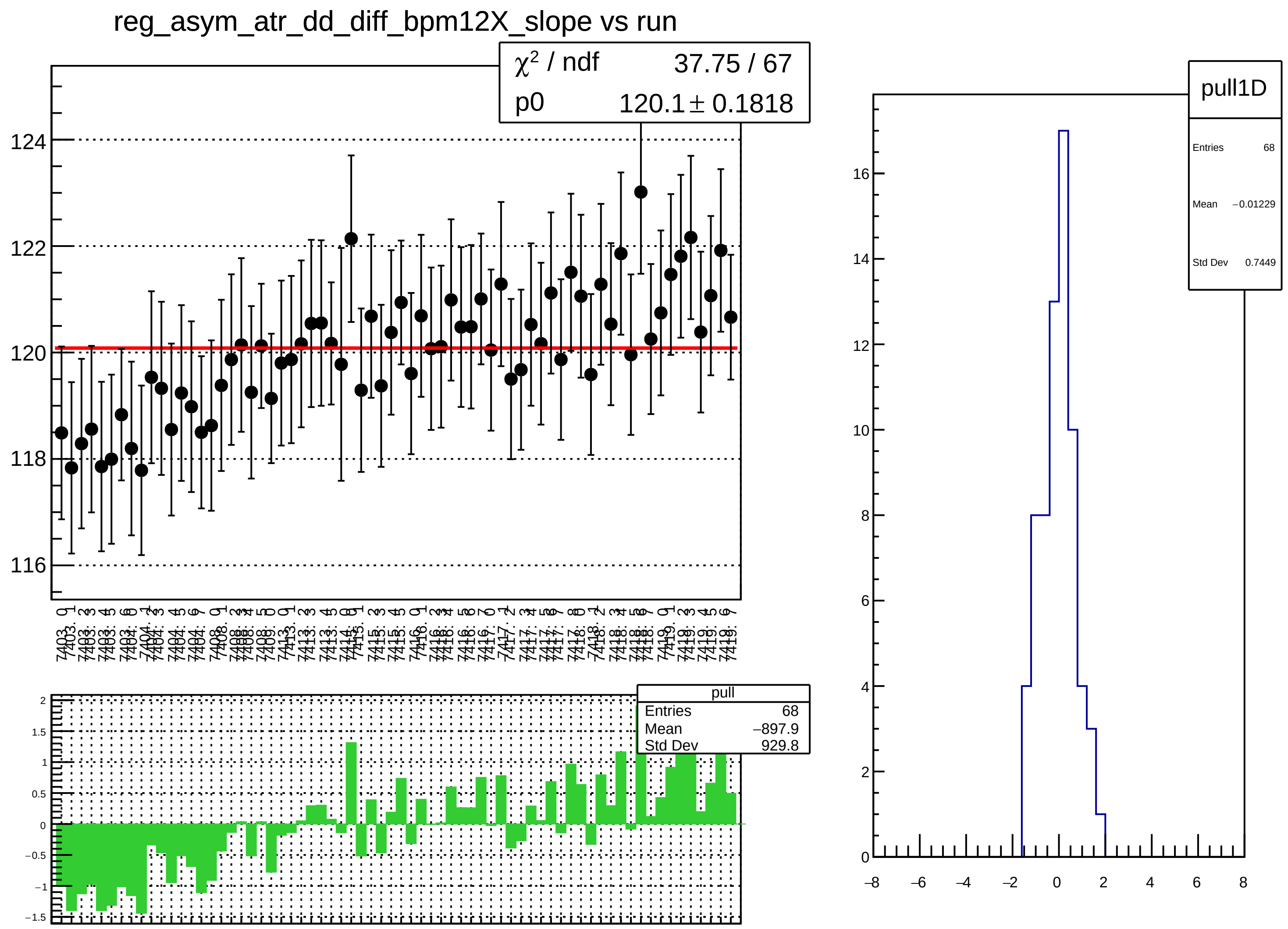

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ2 / ndf 33.61 / 67
p0 36.55 ± 3.889
pull
Entries 68
Mean 115.7
Std Dev 98.8
pull1D
Entries 68
Mean 0.02016
Std Dev 0.7027



reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 66.42 / 67
p0 −197.2 ± 3.979
pull
Entries 68
Mean −50.7
Std Dev 75
pull1D
Entries 68
Mean −0.08777
Std Dev 0.9844

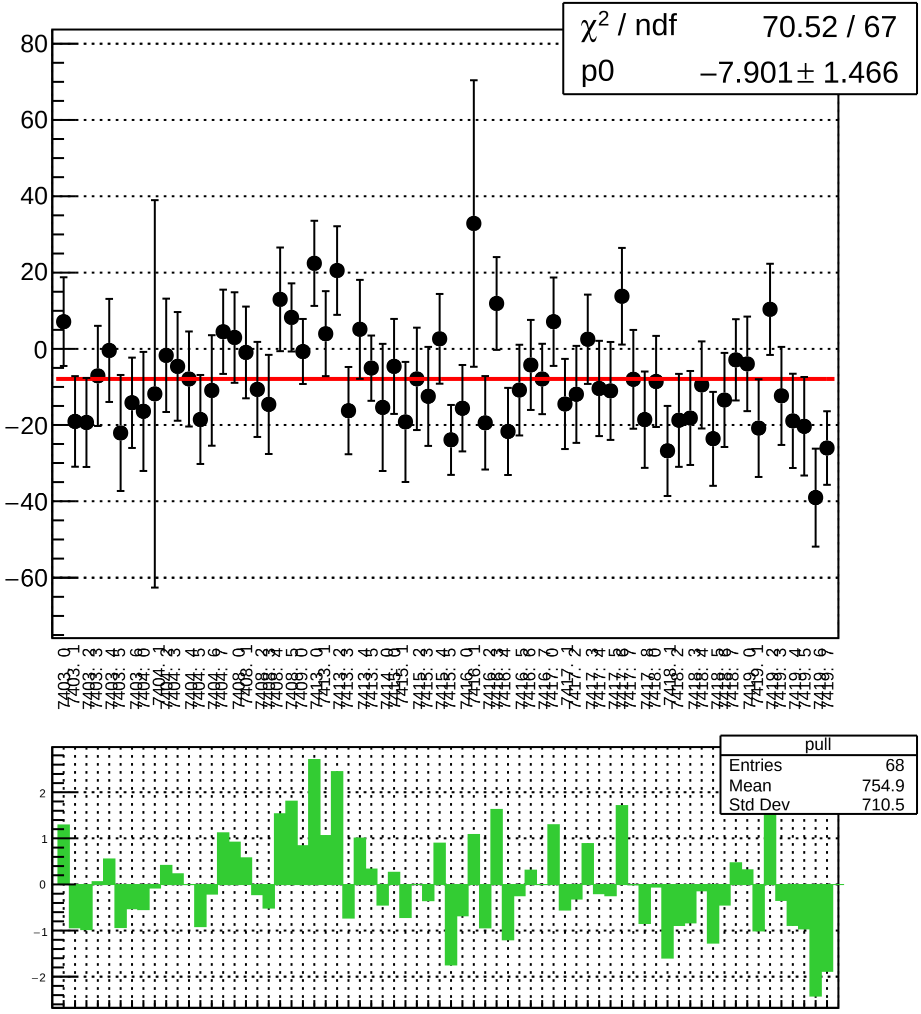


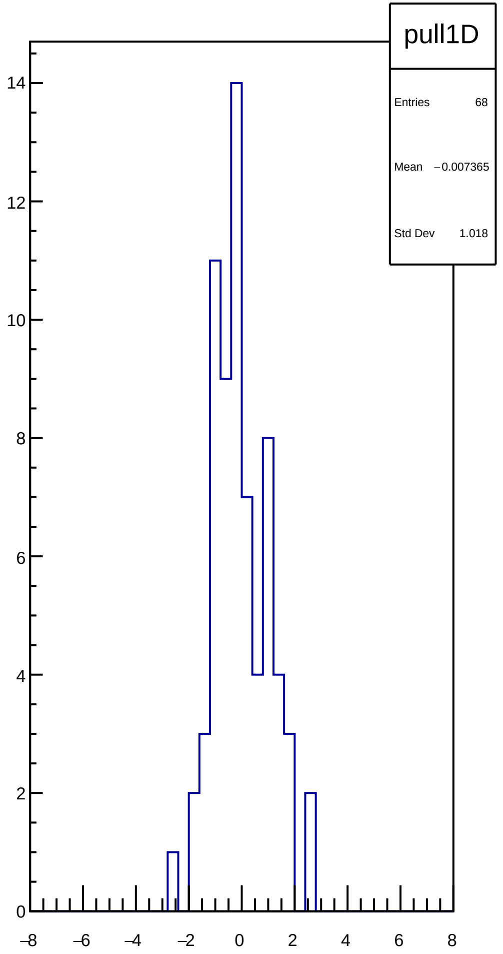
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 34.28 / 67
p0 −103.3 ± 4.115
pull
Entries 68
Mean 159.1
Std Dev 144.7
pull1D
Entries 68
Mean −0.01322
Std Dev 0.7099



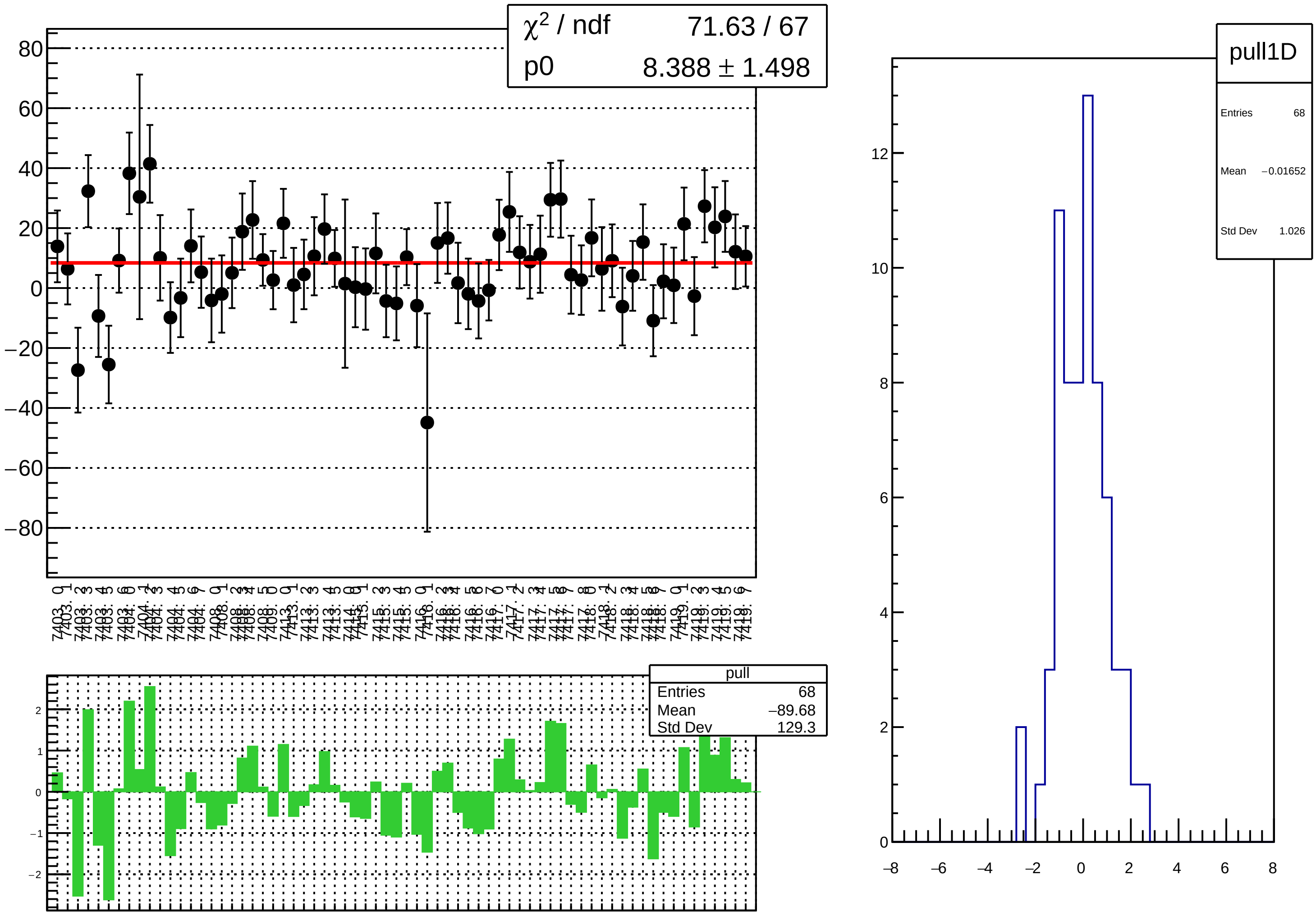
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 37.75 / 67
p0 120.1 ± 0.1818
pull
Entries 68
Mean −897.9
Std Dev 929.8
pull1D
Entries 68
Mean −0.01229
Std Dev 0.7449

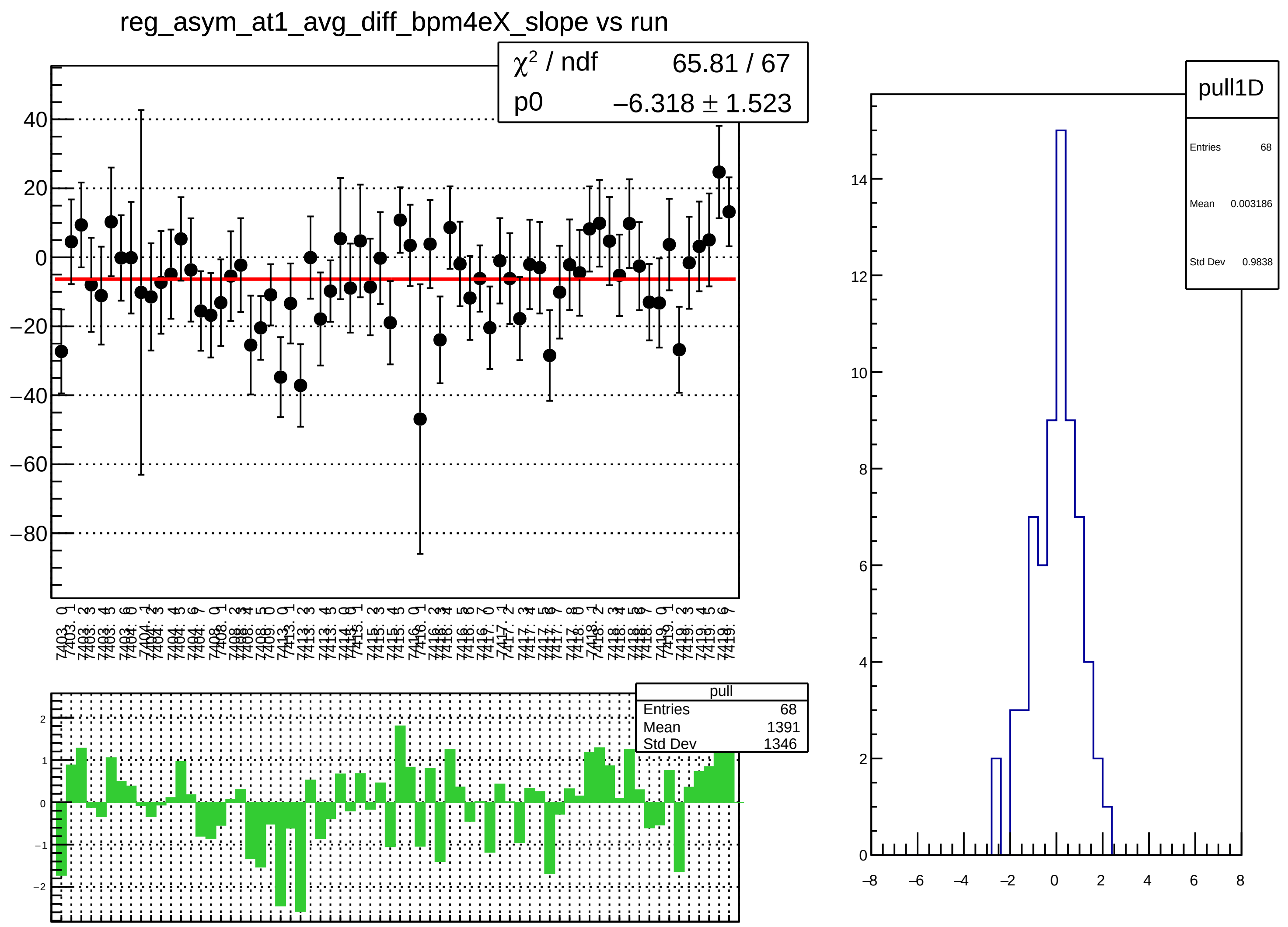
reg_asym_at1_avg_diff_bpm1X_slope vs run



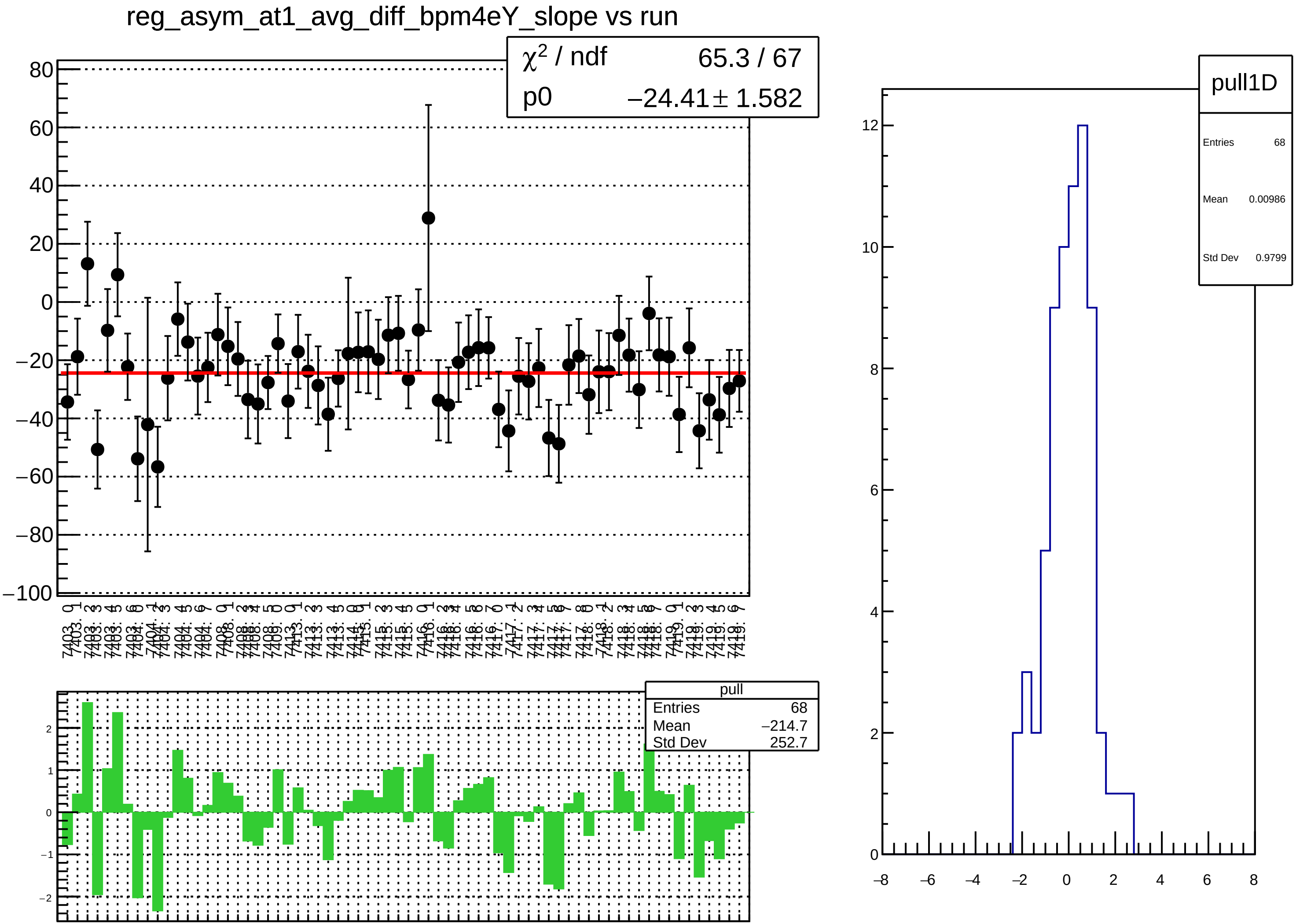


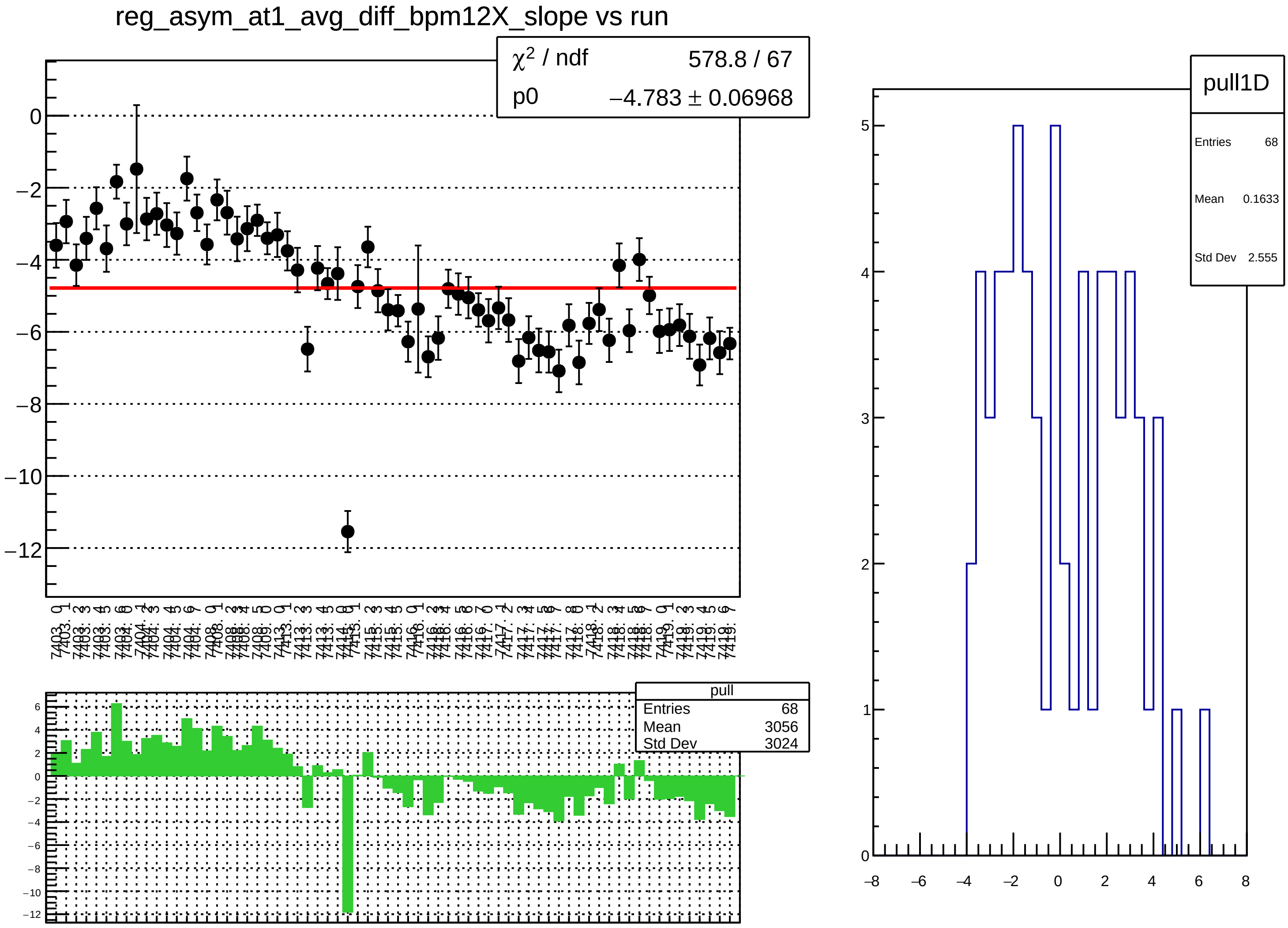
reg_asym_at1_avg_diff_bpm4aY_slope vs run



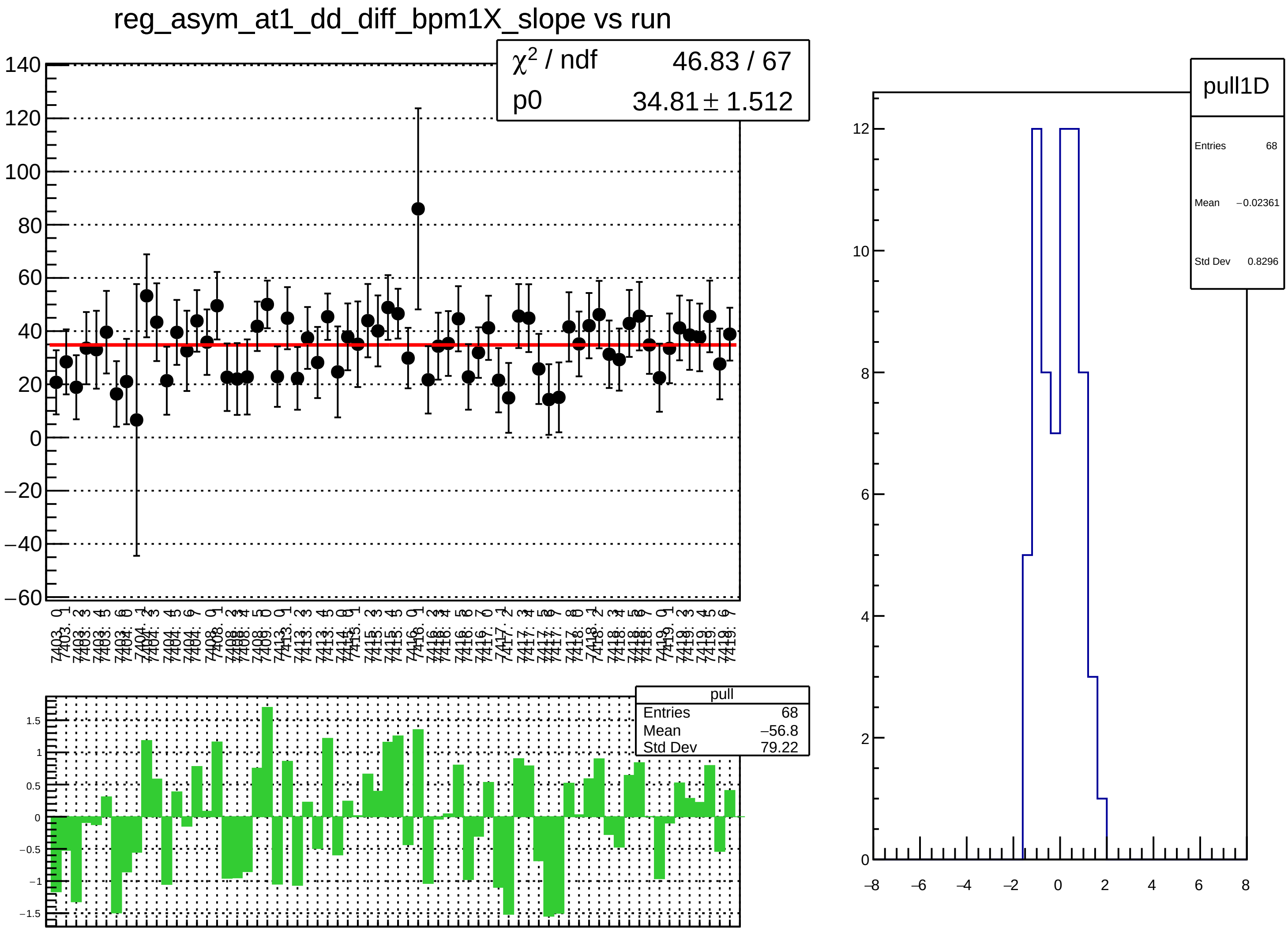


reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 65.81 / 67
p0 −6.318 ± 1.523
pull
Entries 68
Mean 1391
Std Dev 1346
pull1D
Entries 68
Mean 0.003186
Std Dev 0.9838

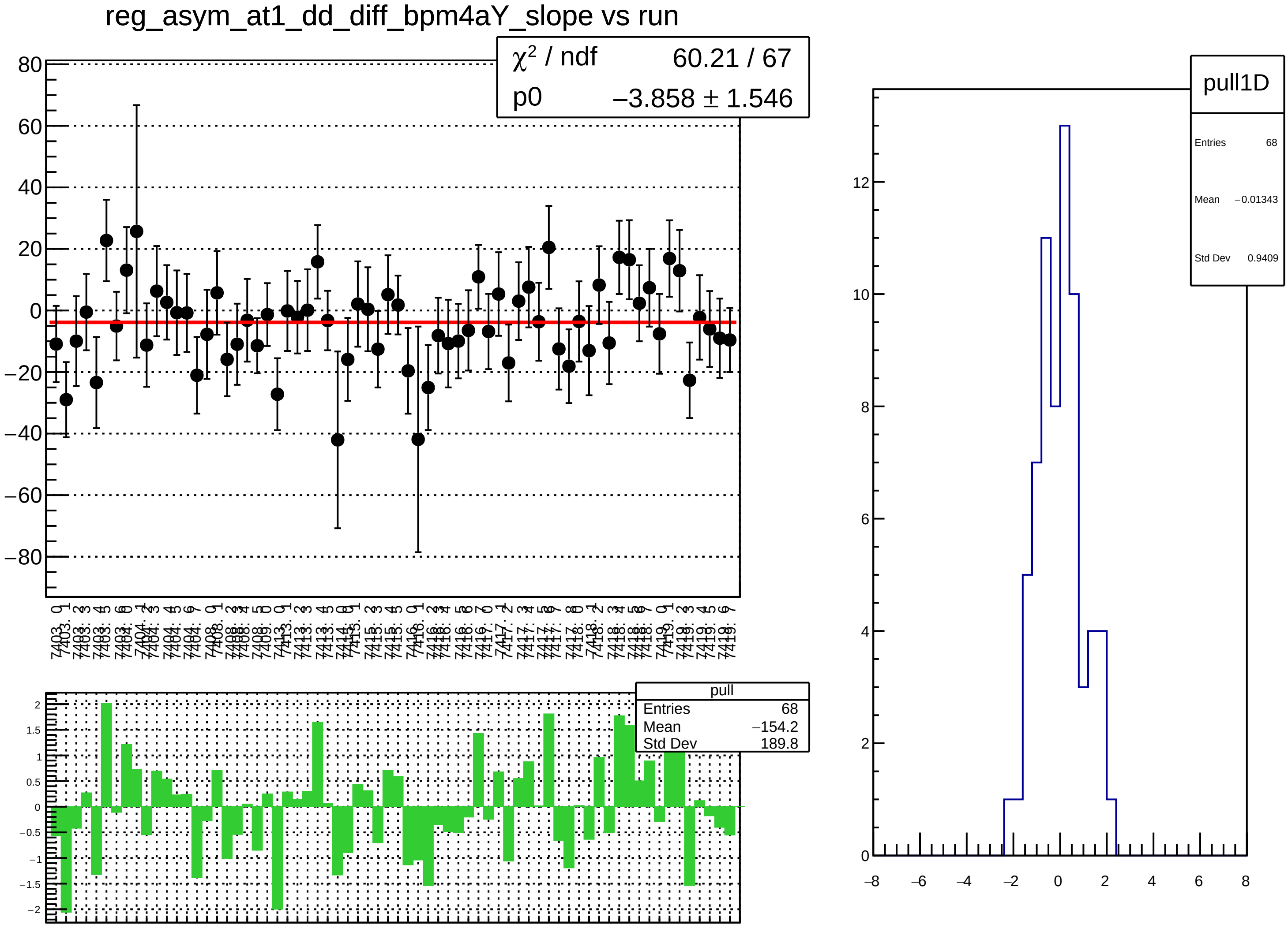

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 65.3 / 67
p0 −24.41 ± 1.582
pull
Entries 68
Mean −214.7
Std Dev 252.7
pull1D
Entries 68
Mean 0.00986
Std Dev 0.9799



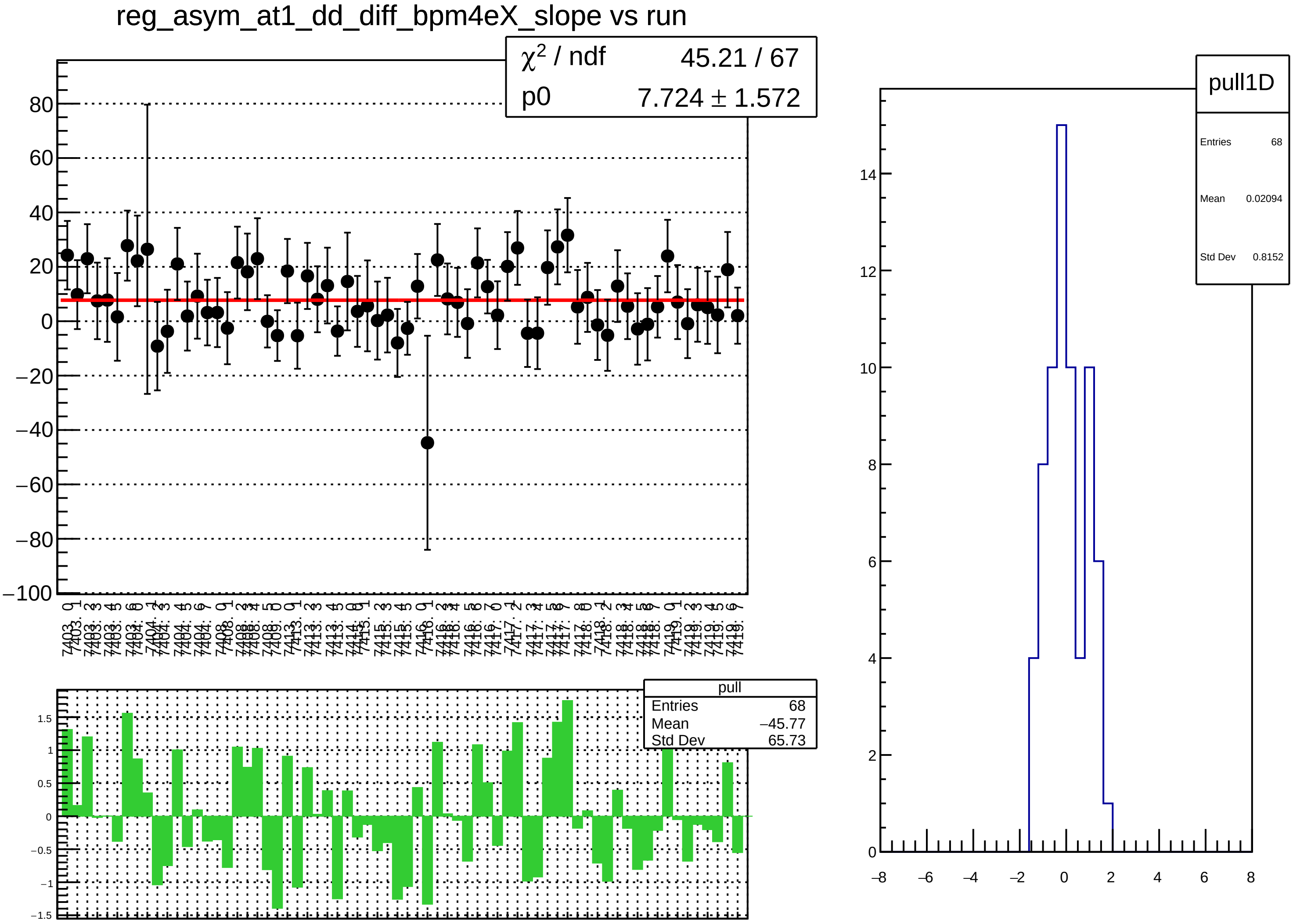
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 578.8 / 67
p0 −4.783 ± 0.06968
pull
Entries 68
Mean 3056
Std Dev 3024
pull1D
Entries 68
Mean 0.1633
Std Dev 2.555



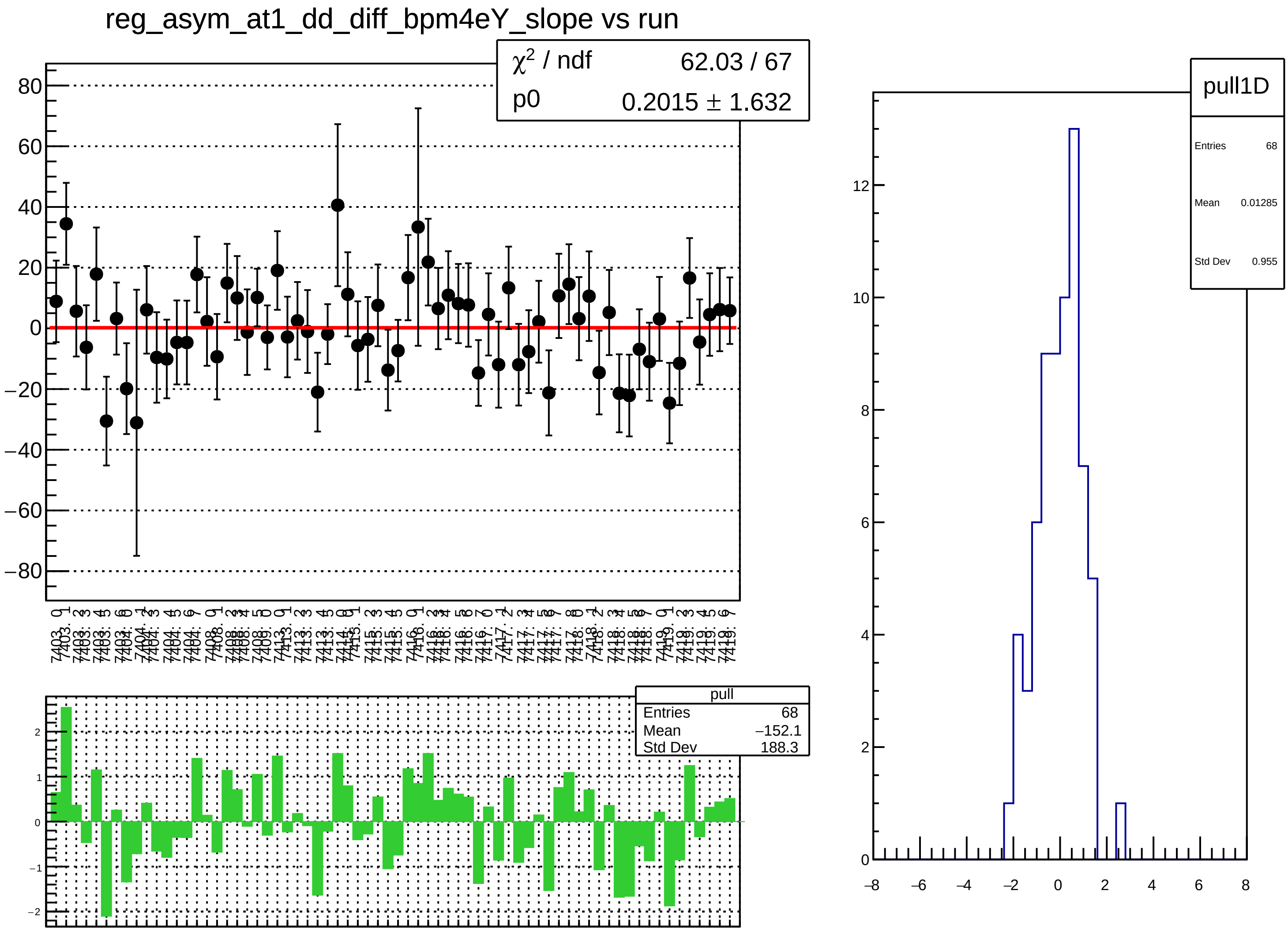
reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 46.83 / 67
p0 34.81 ± 1.512
pull
Entries 68
Mean −56.8
Std Dev 79.22
pull1D
Entries 68
Mean −0.02361
Std Dev 0.8296



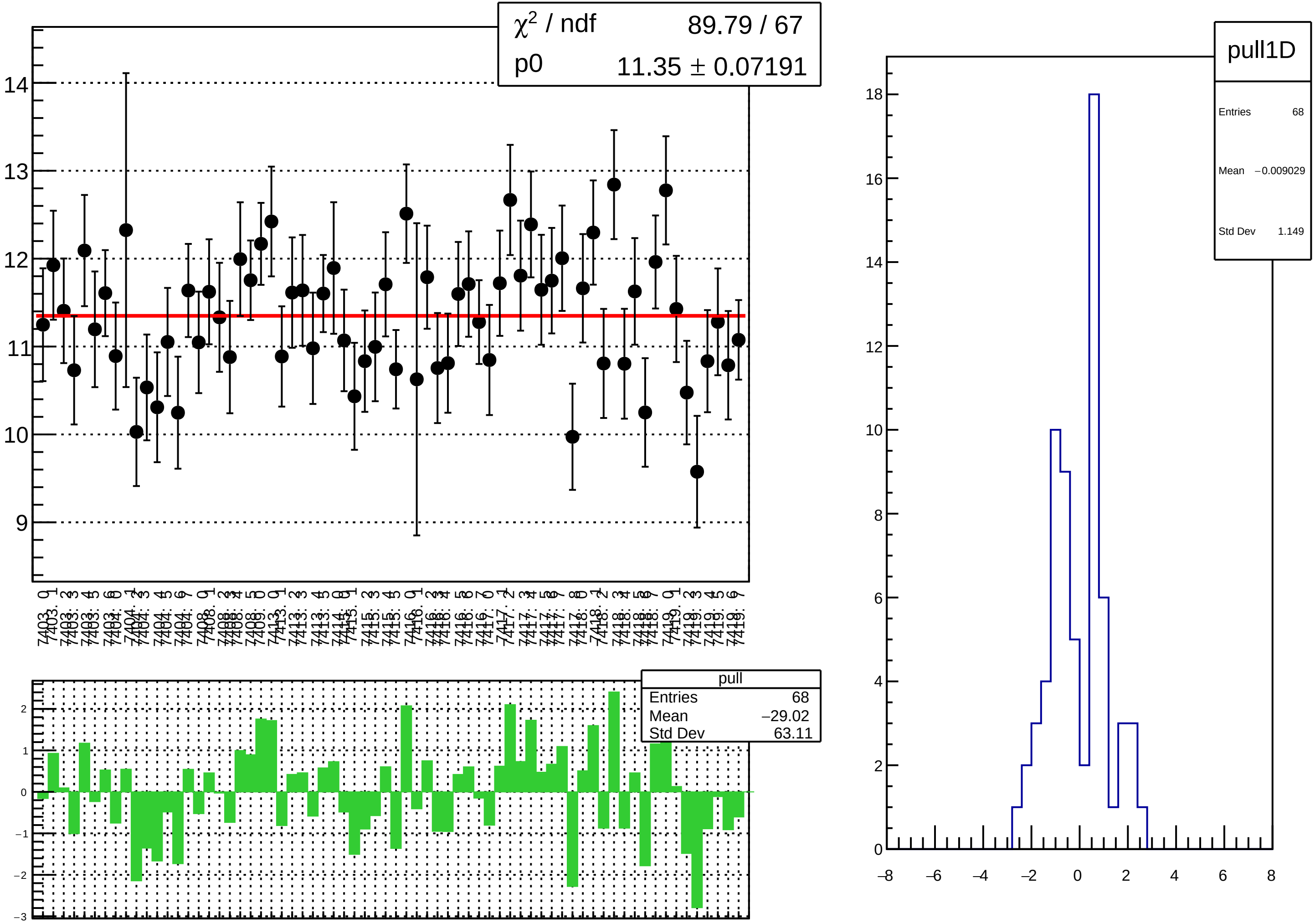
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 60.21 / 67
p0 −3.858 ± 1.546
pull
Entries 68
Mean −154.2
Std Dev 189.8
pull1D
Entries 68
Mean −0.01343
Std Dev 0.9409

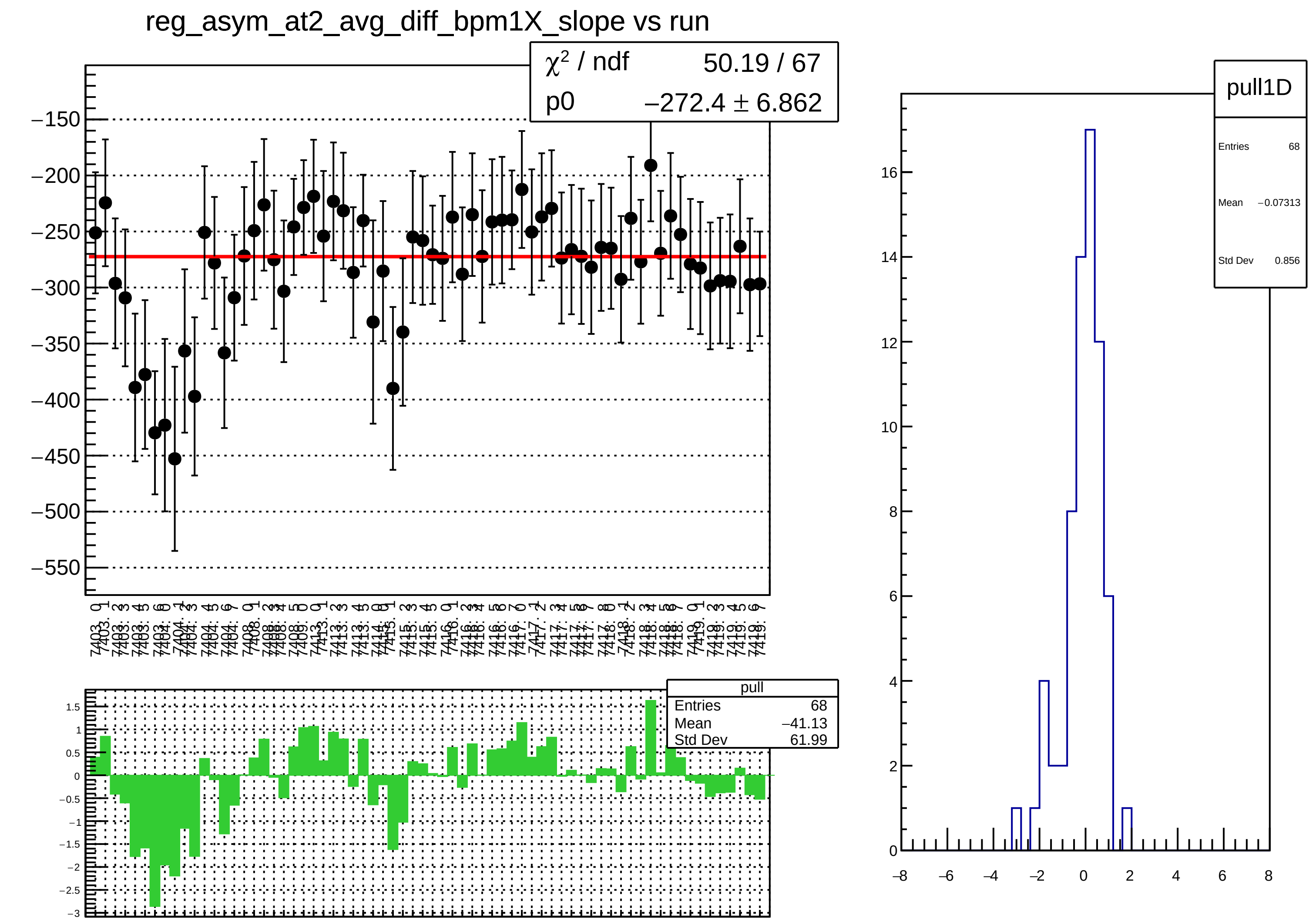


reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 45.21 / 67
p0 7.724 ± 1.572
pull
Entries 68
Mean −45.77
Std Dev 65.73
pull1D
Entries 68
Mean 0.02094
Std Dev 0.8152

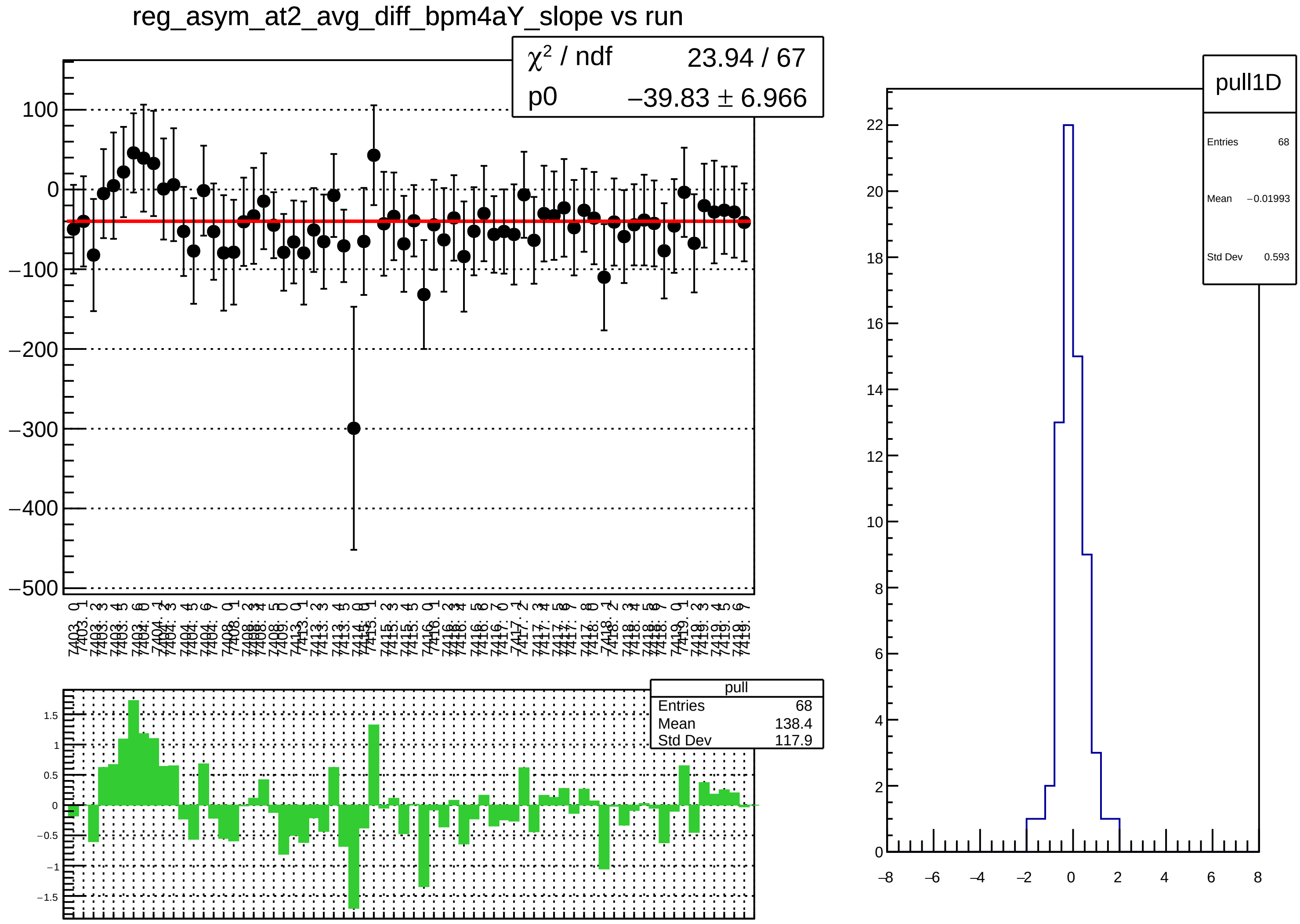

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 62.03 / 67
p0 0.2015 ± 1.632
pull
Entries 68
Mean −152.1
Std Dev 188.3
pull1D
Entries 68
Mean 0.01285
Std Dev 0.955

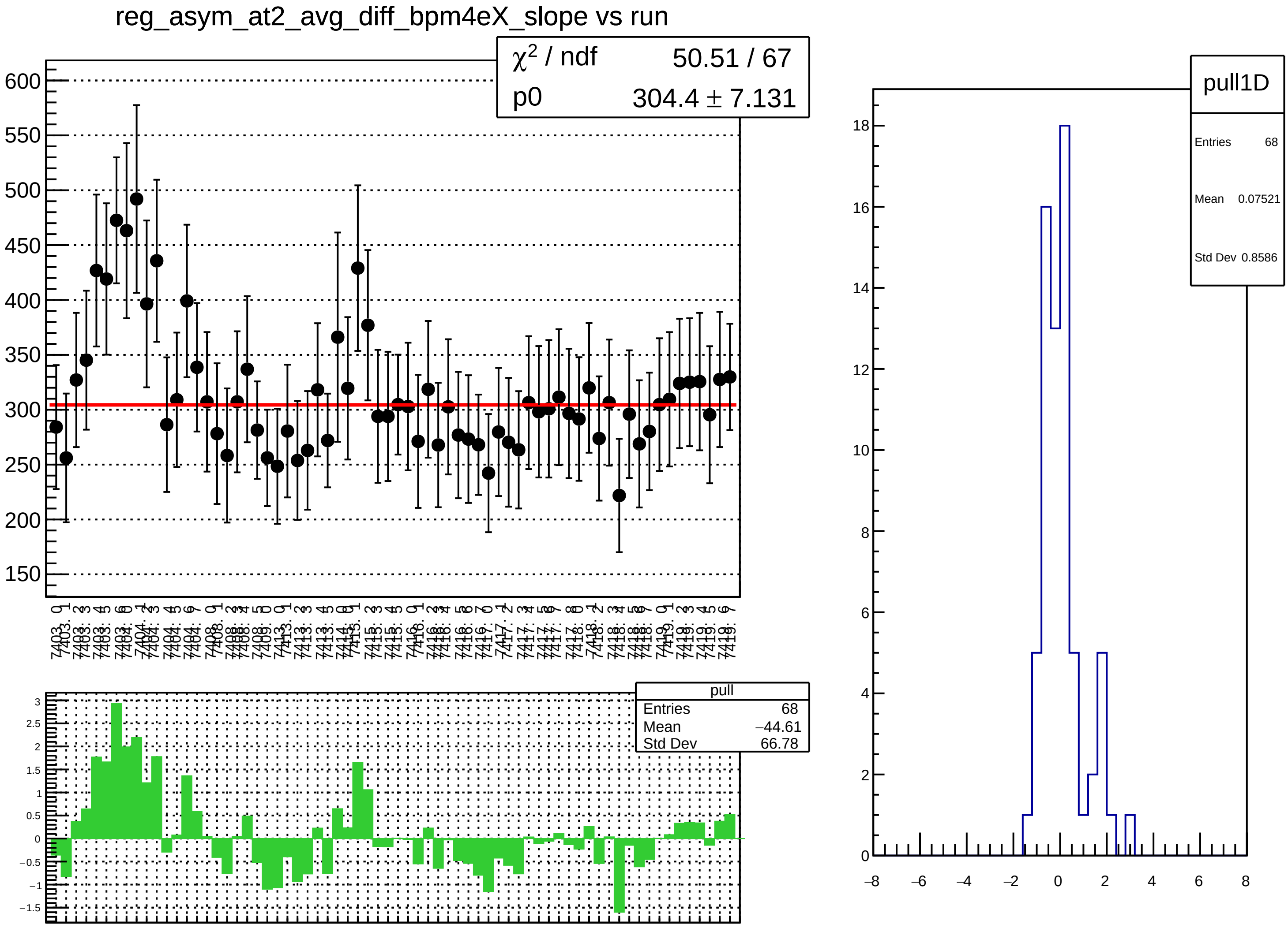
reg_asym_at1_dd_diff_bpm12X_slope vs run



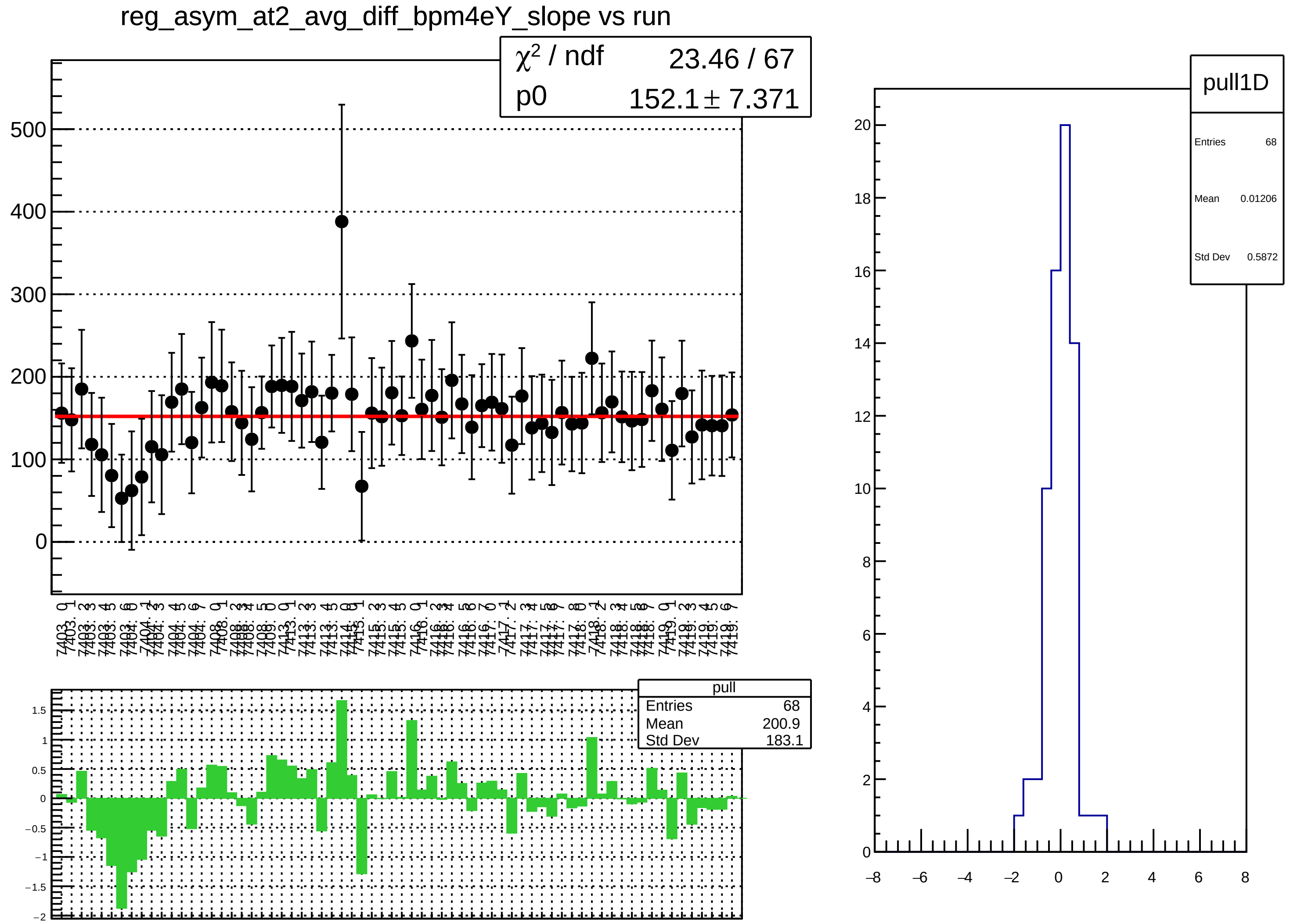


reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 50.19 / 67
p0 −272.4 ± 6.862
pull
Entries 68
Mean −41.13
Std Dev 61.99
pull1D
Entries 68
Mean −0.07313
Std Dev 0.856

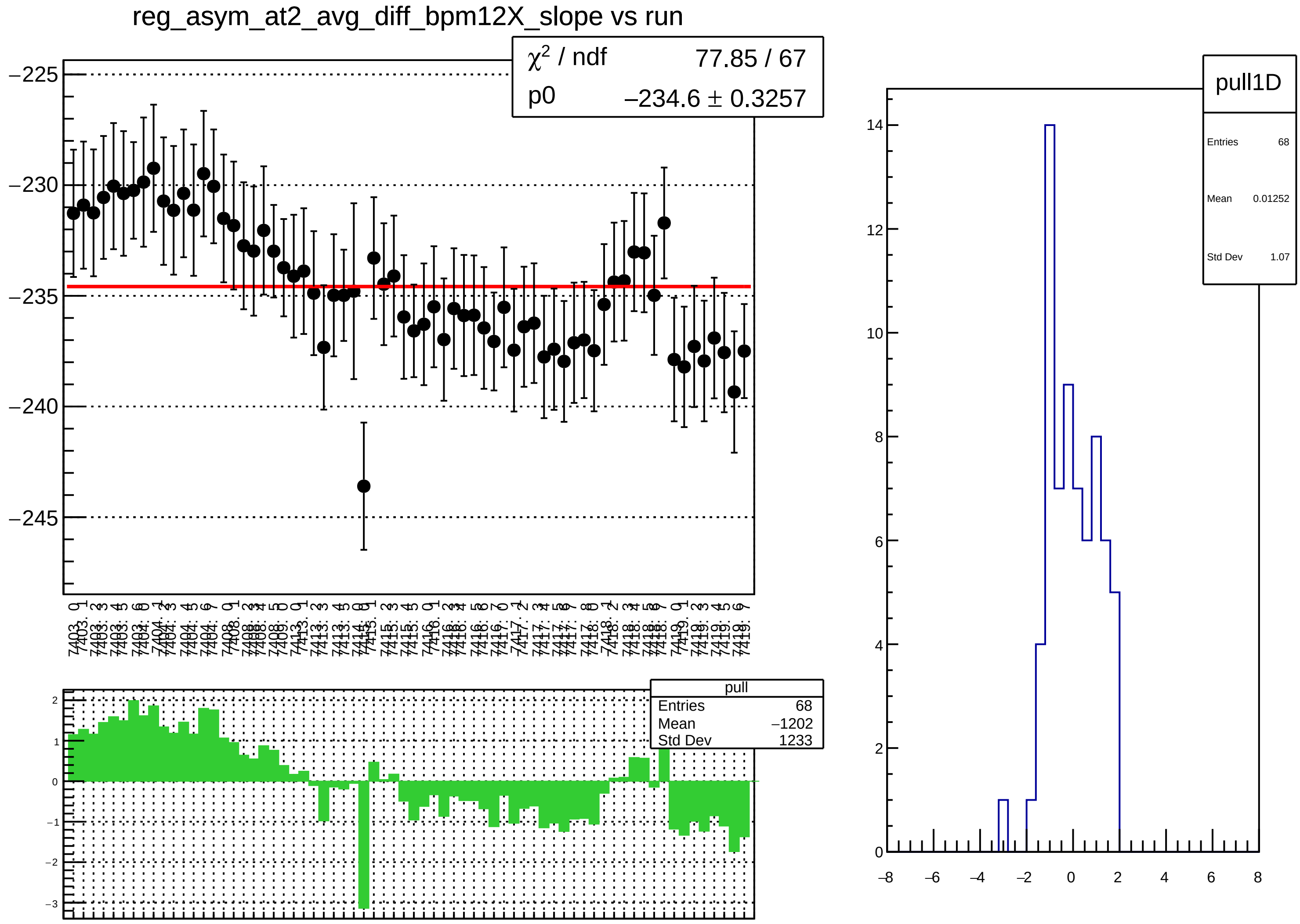

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 23.94 / 67
p0 −39.83 ± 6.966
pull
Entries 68
Mean 138.4
Std Dev 117.9
pull1D
Entries 68
Mean −0.01993
Std Dev 0.593



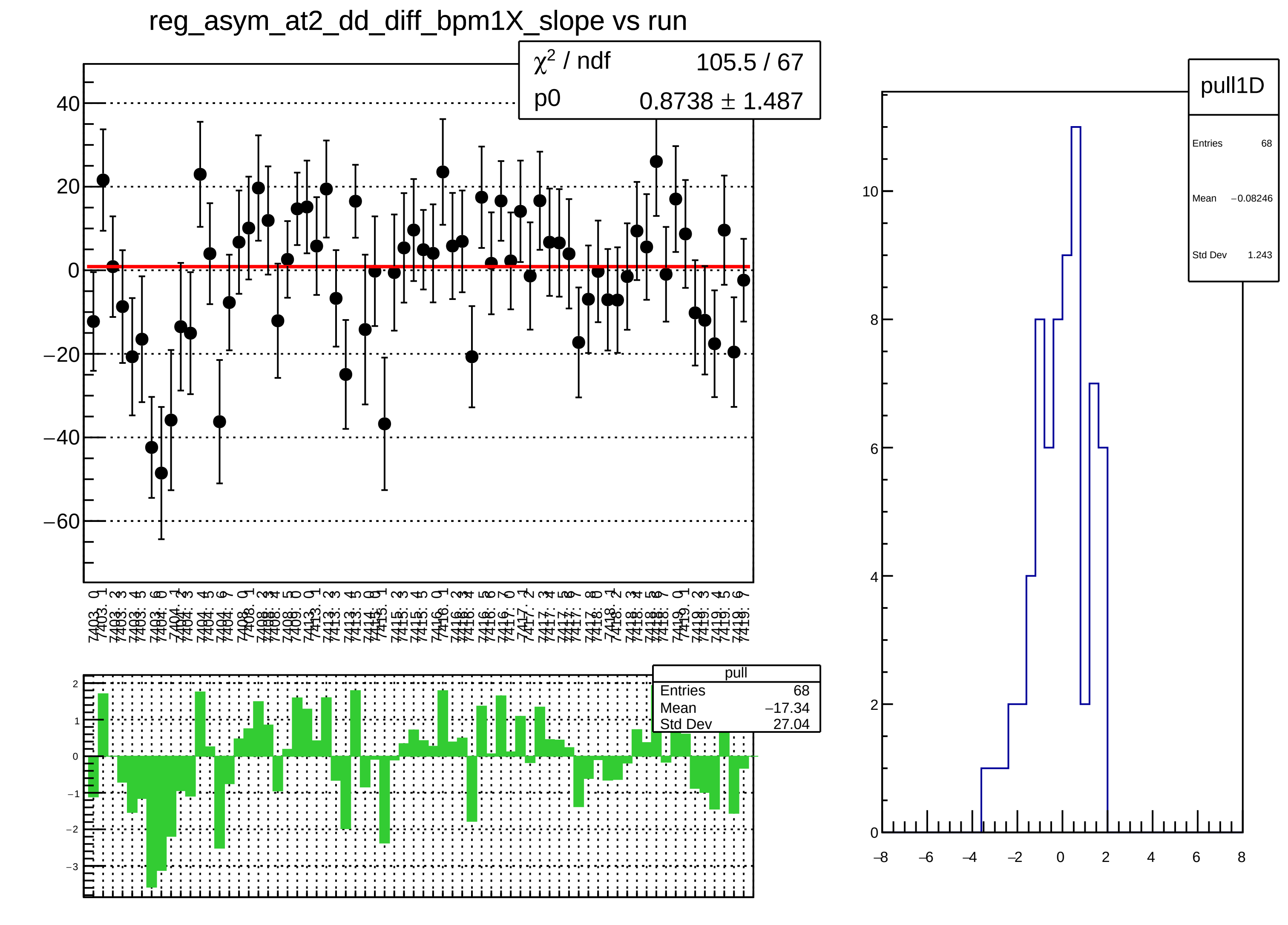
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 50.51 / 67
p0 304.4 ± 7.131
pull
Entries 68
Mean −44.61
Std Dev 66.78
pull1D
Entries 68
Mean 0.07521
Std Dev 0.8586



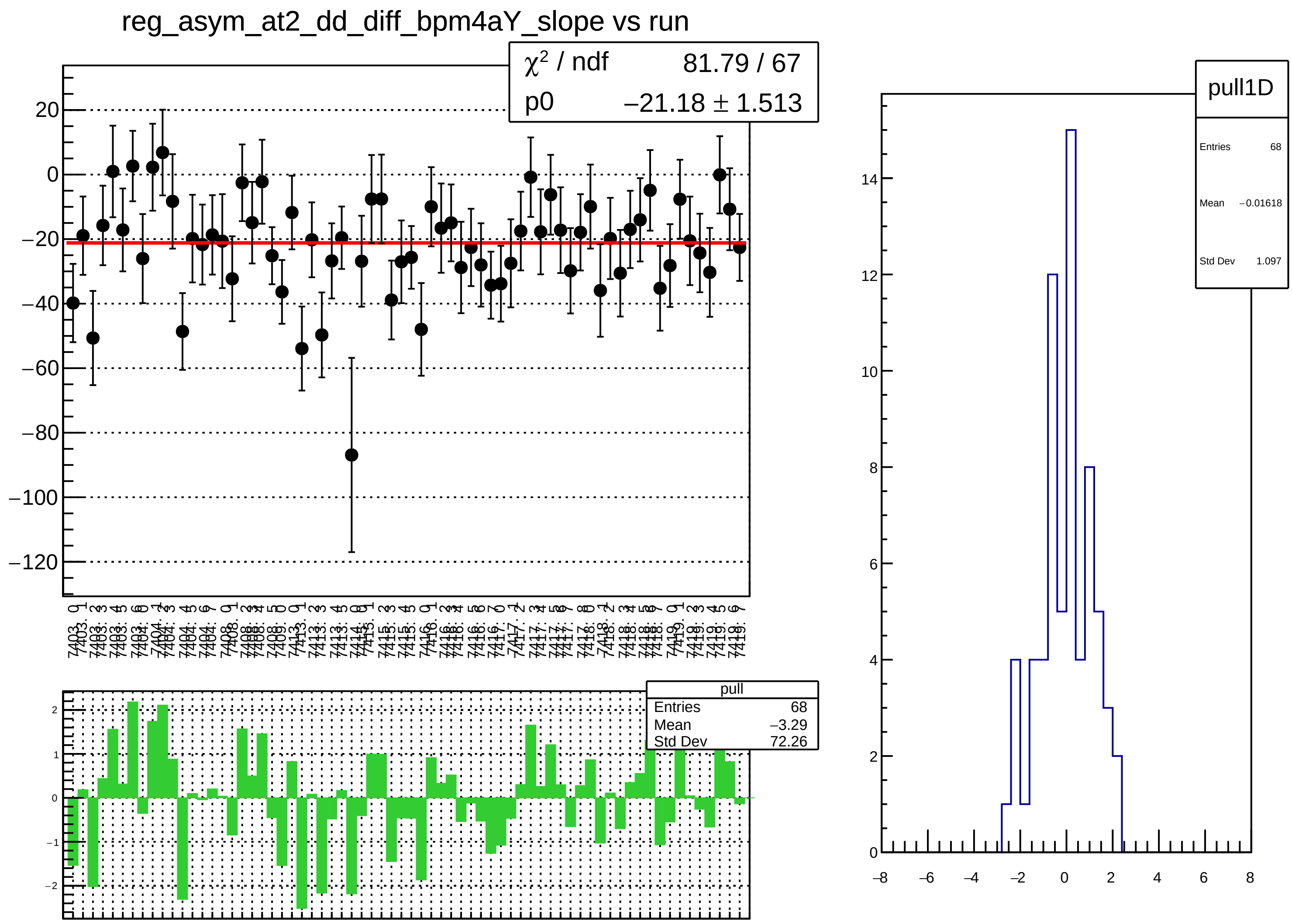
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.46 / 67
p0 152.1 ± 7.371
pull
Entries 68
Mean 200.9
Std Dev 183.1
pull1D
Entries 68
Mean 0.01206
Std Dev 0.5872



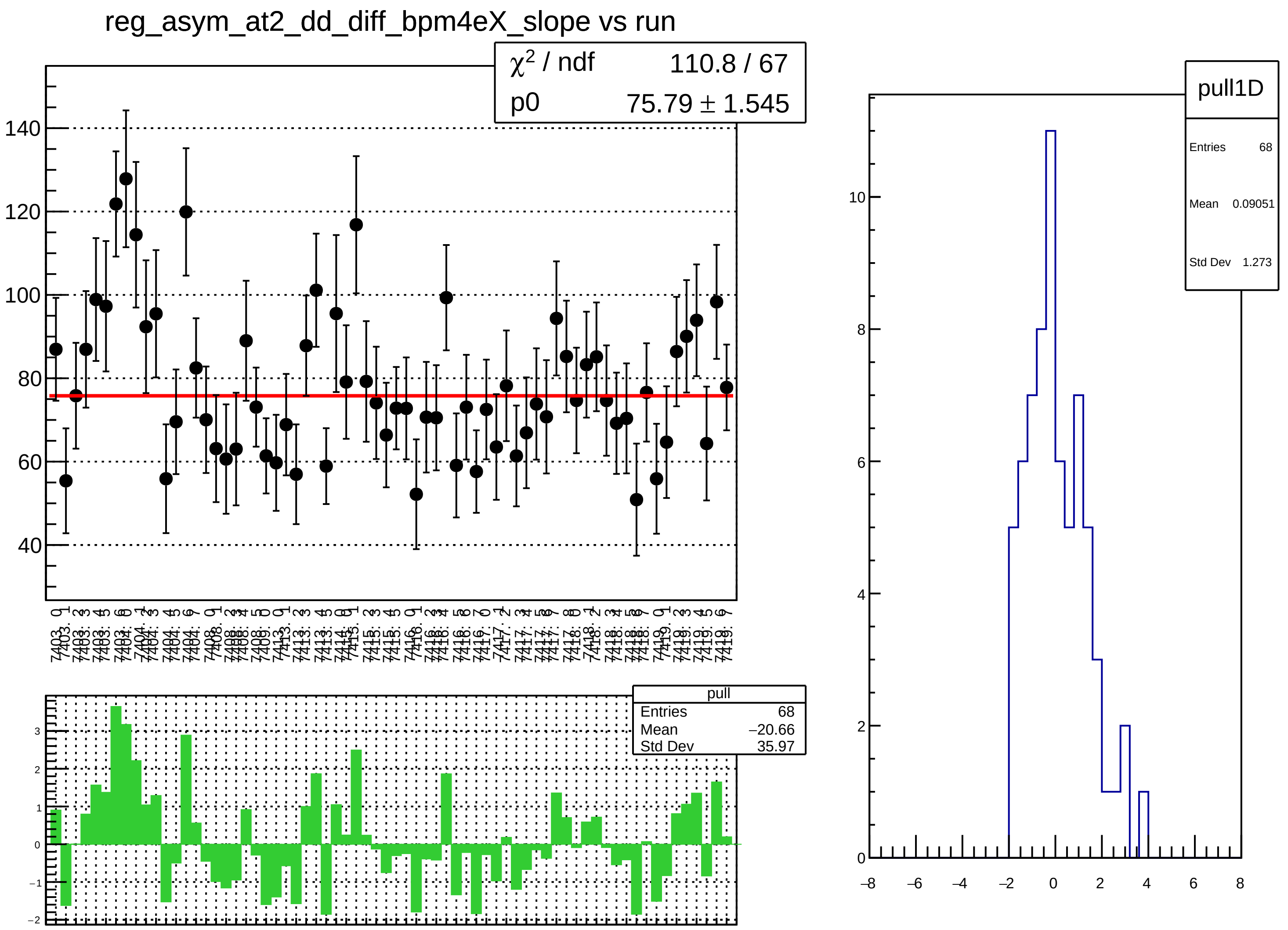
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ2 / ndf 77.85 / 67
p0 −234.6 ± 0.3257
pull
Entries 68
Mean −1202
Std Dev 1233
pull1D
Entries 68
Mean 0.01252
Std Dev 1.07

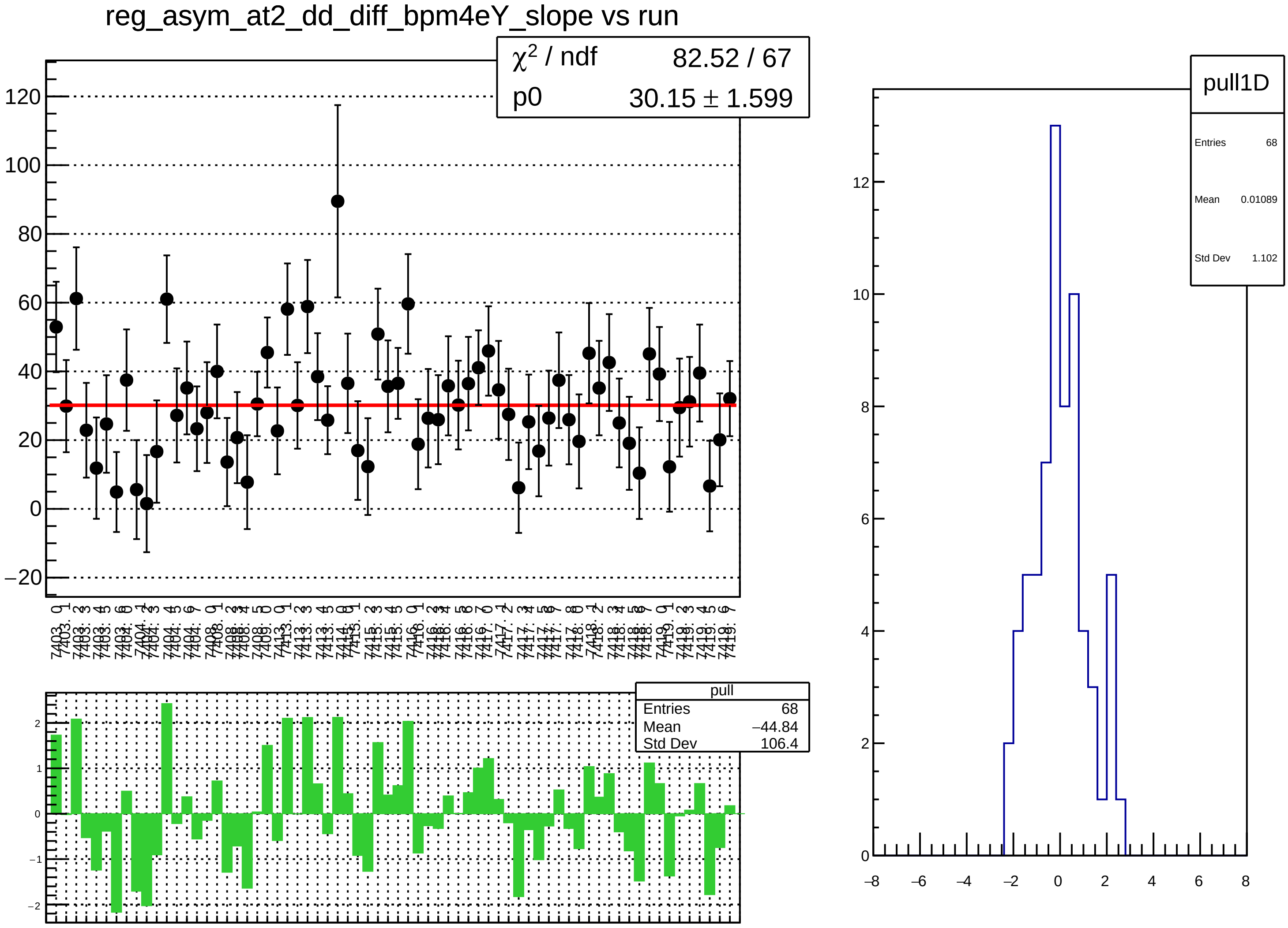


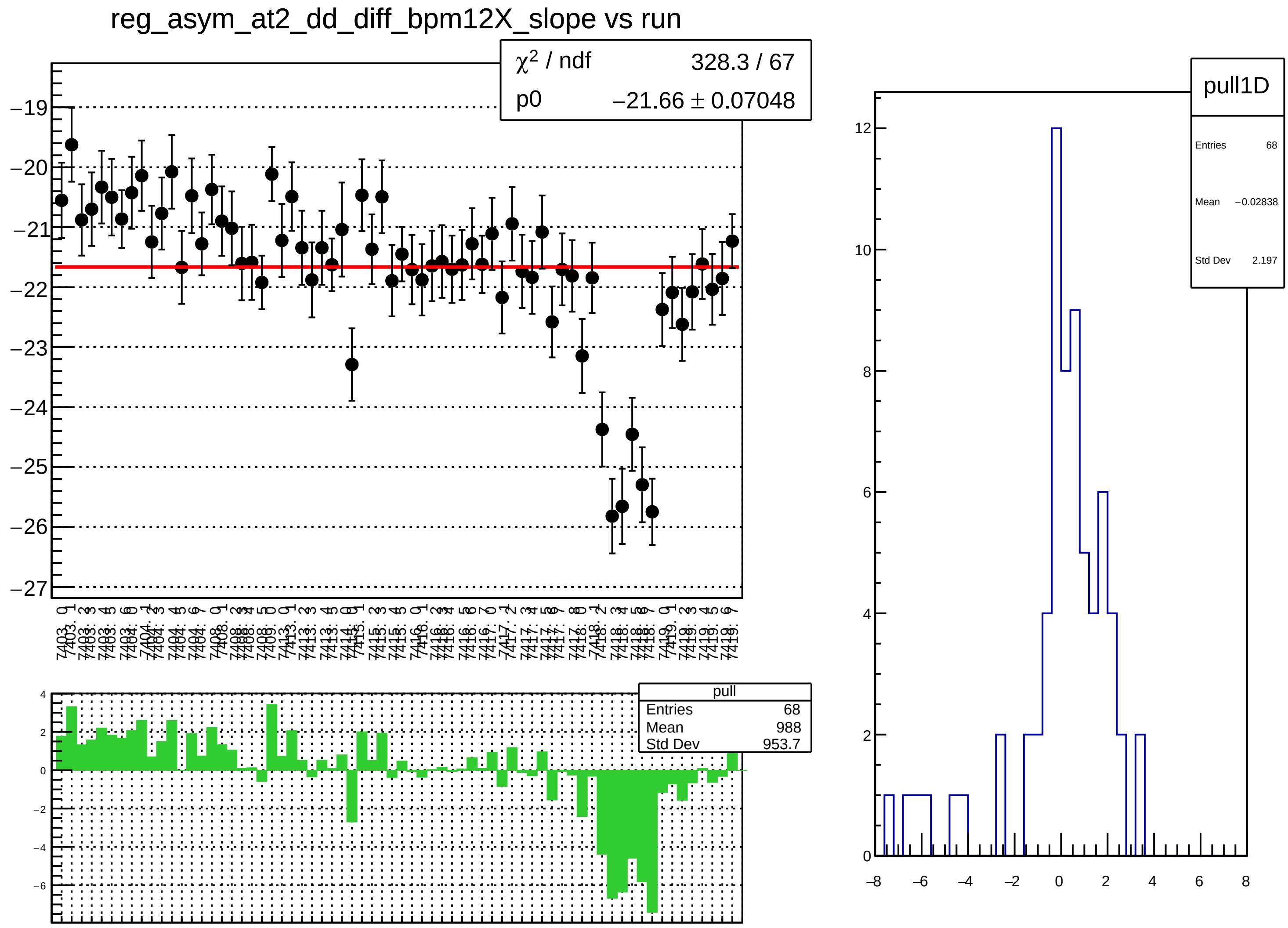
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 105.5 / 67
p0 0.8738 ± 1.487
pull
Entries 68
Mean −17.34
Std Dev 27.04
pull1D
Entries 68
Mean −0.08246
Std Dev 1.243



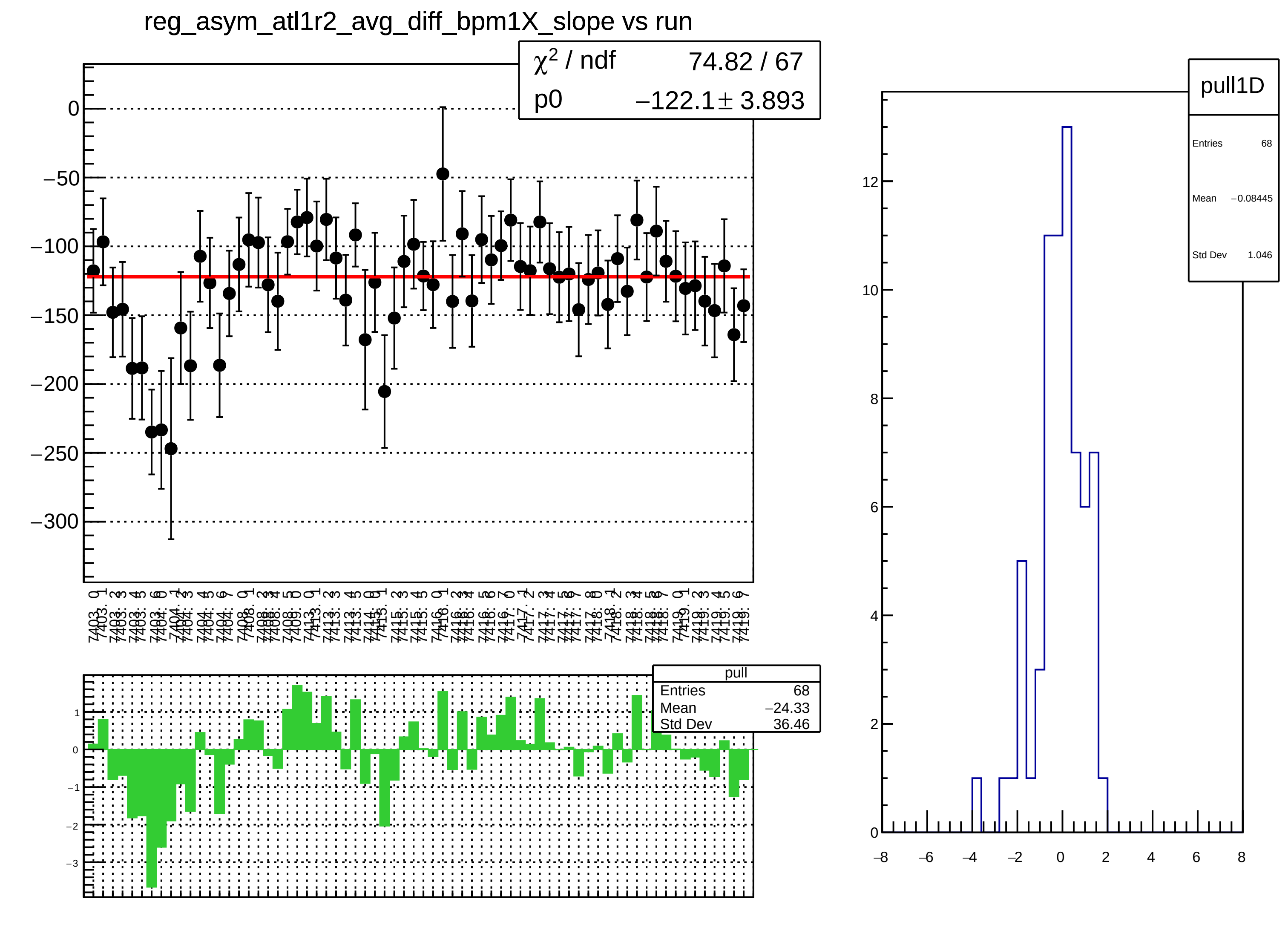
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 81.79 / 67
p0 −21.18 ± 1.513
pull
Entries 68
Mean −3.29
Std Dev 72.26
pull1D
Entries 68
Mean −0.01618
Std Dev 1.097


reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 110.8 / 67
p0 75.79 ± 1.545
pull
Entries 68
Mean −20.66
Std Dev 35.97
pull1D
Entries 68
Mean 0.09051
Std Dev 1.273

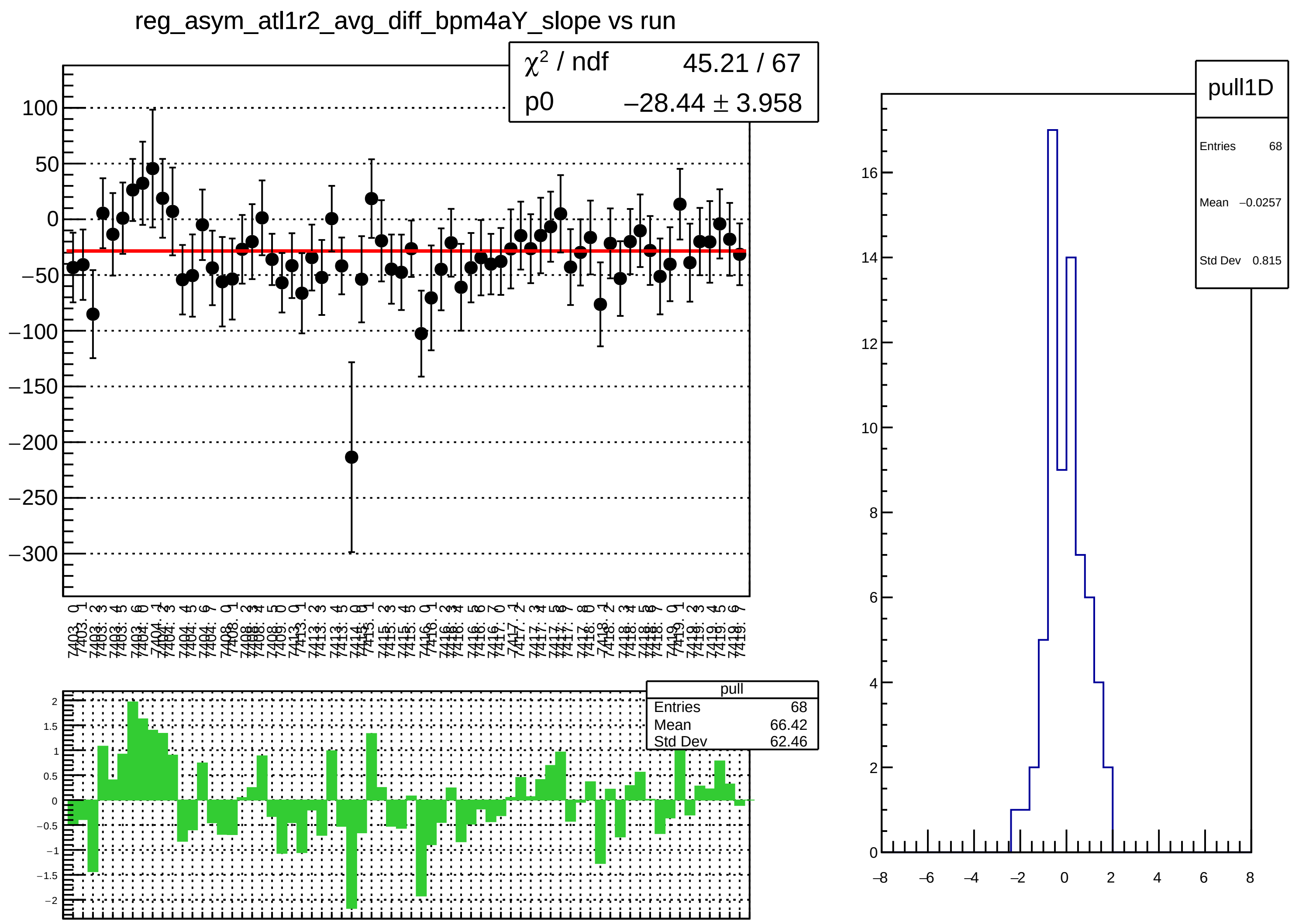

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 82.52 / 67
p0 30.15 ± 1.599
pull
Entries 68
Mean −44.84
Std Dev 106.4
pull1D
Entries 68
Mean 0.01089
Std Dev 1.102

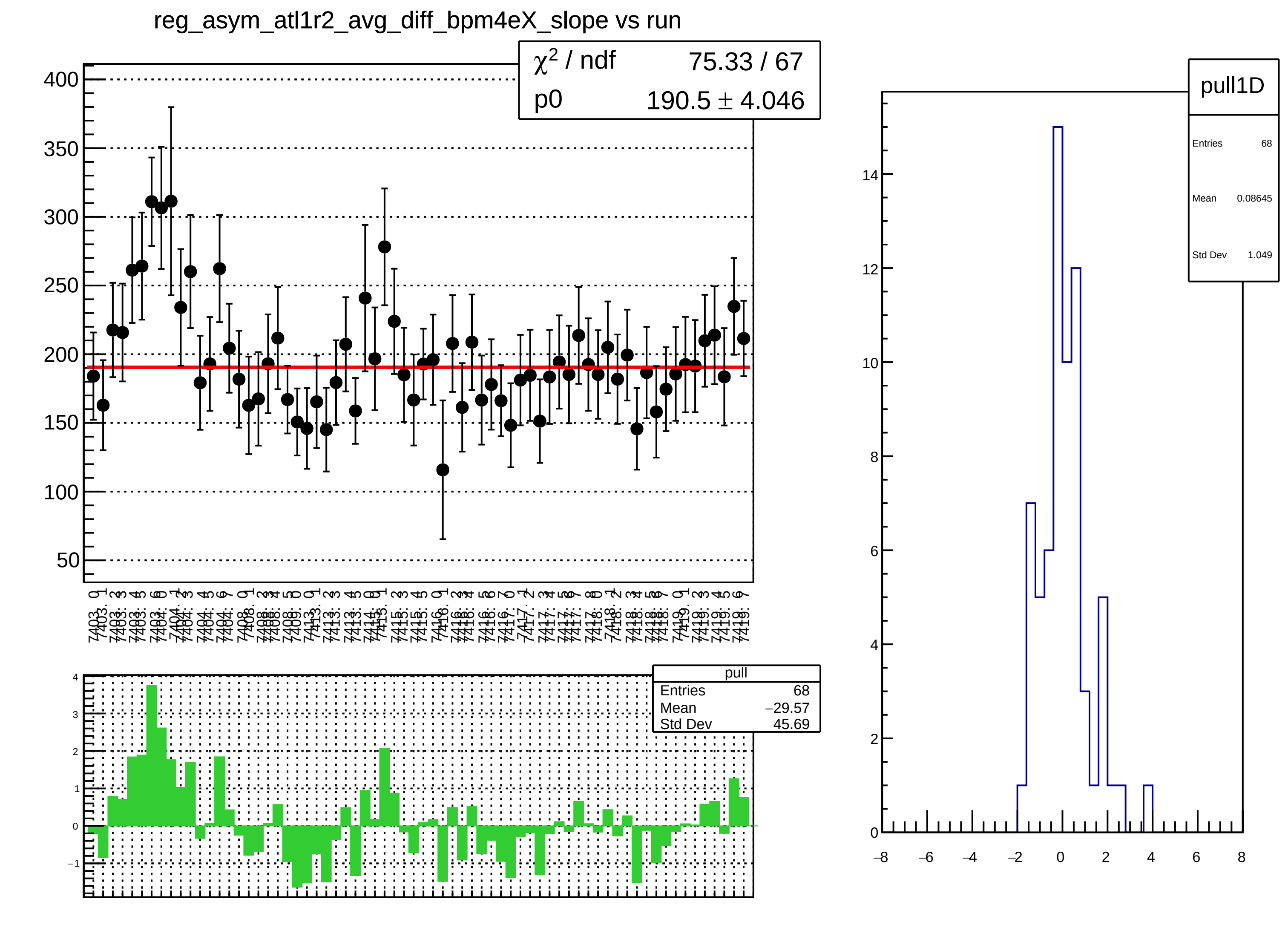


reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 328.3 / 67
p0 −21.66 ± 0.07048
pull
Entries 68
Mean 988
Std Dev 953.7
pull1D
Entries 68
Mean −0.02838
Std Dev 2.197

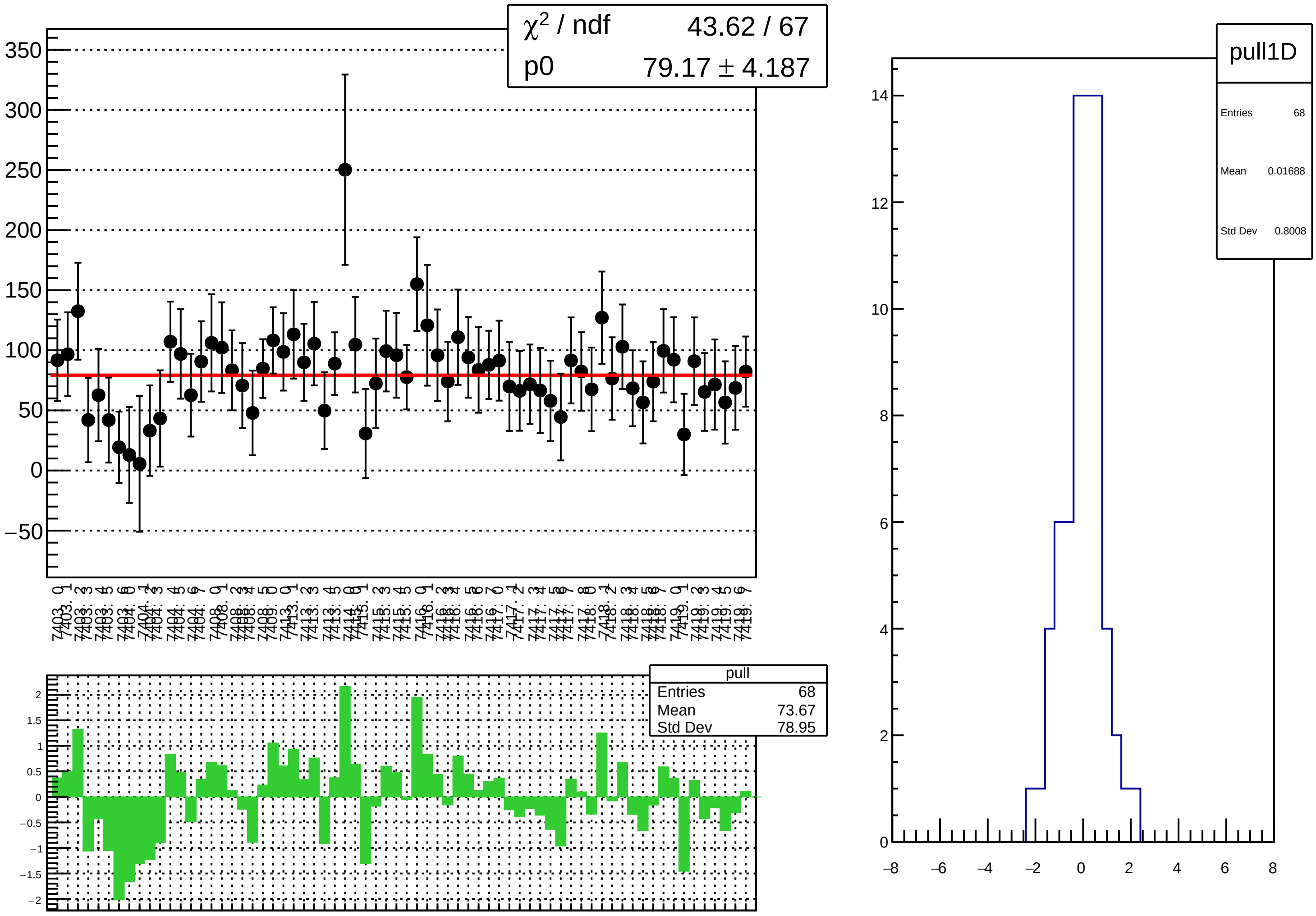


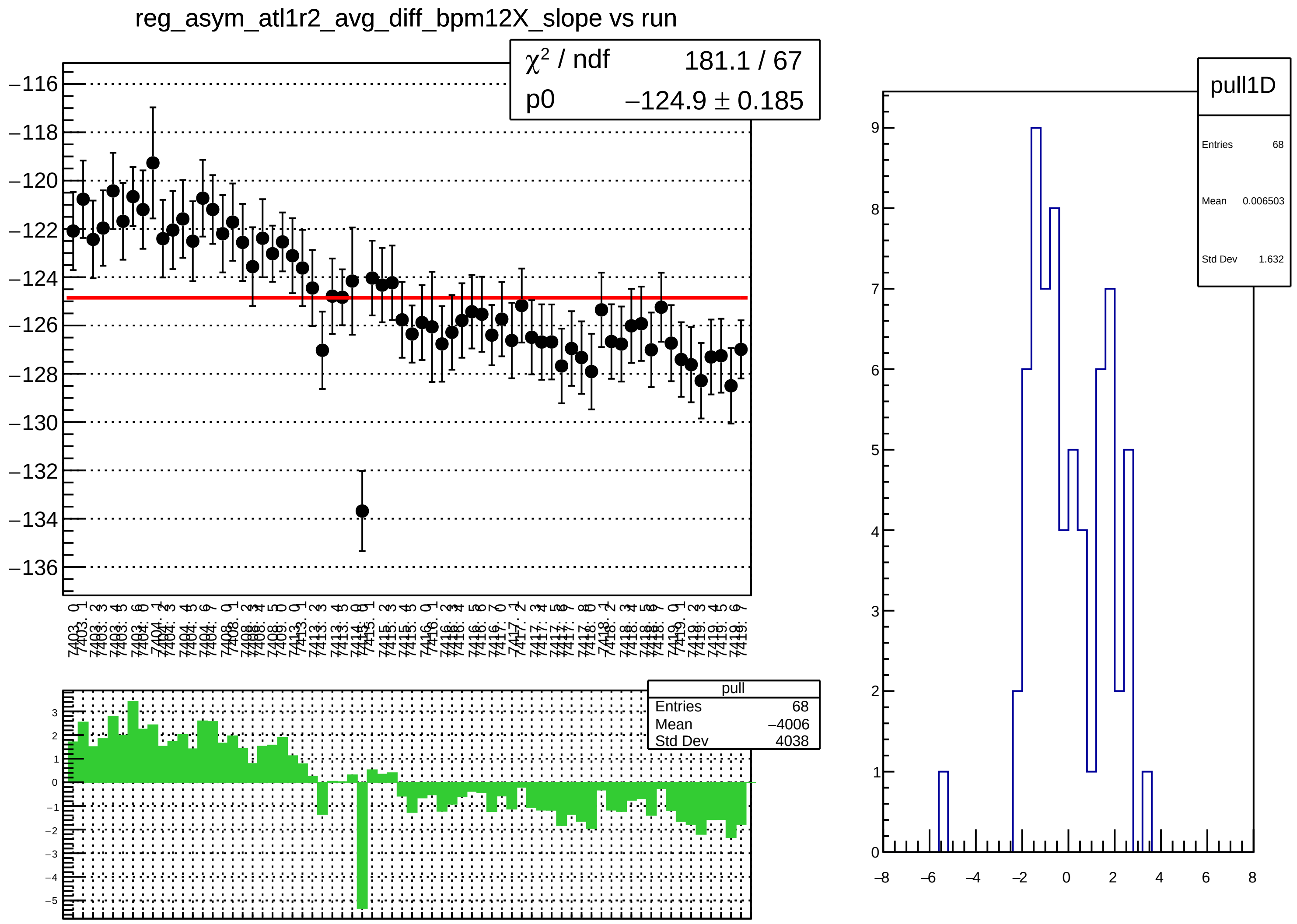
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 74.82 / 67
p0 −122.1 ± 3.893
pull
Entries 68
Mean −24.33
Std Dev 36.46
pull1D
Entries 68
Mean −0.08445
Std Dev 1.046

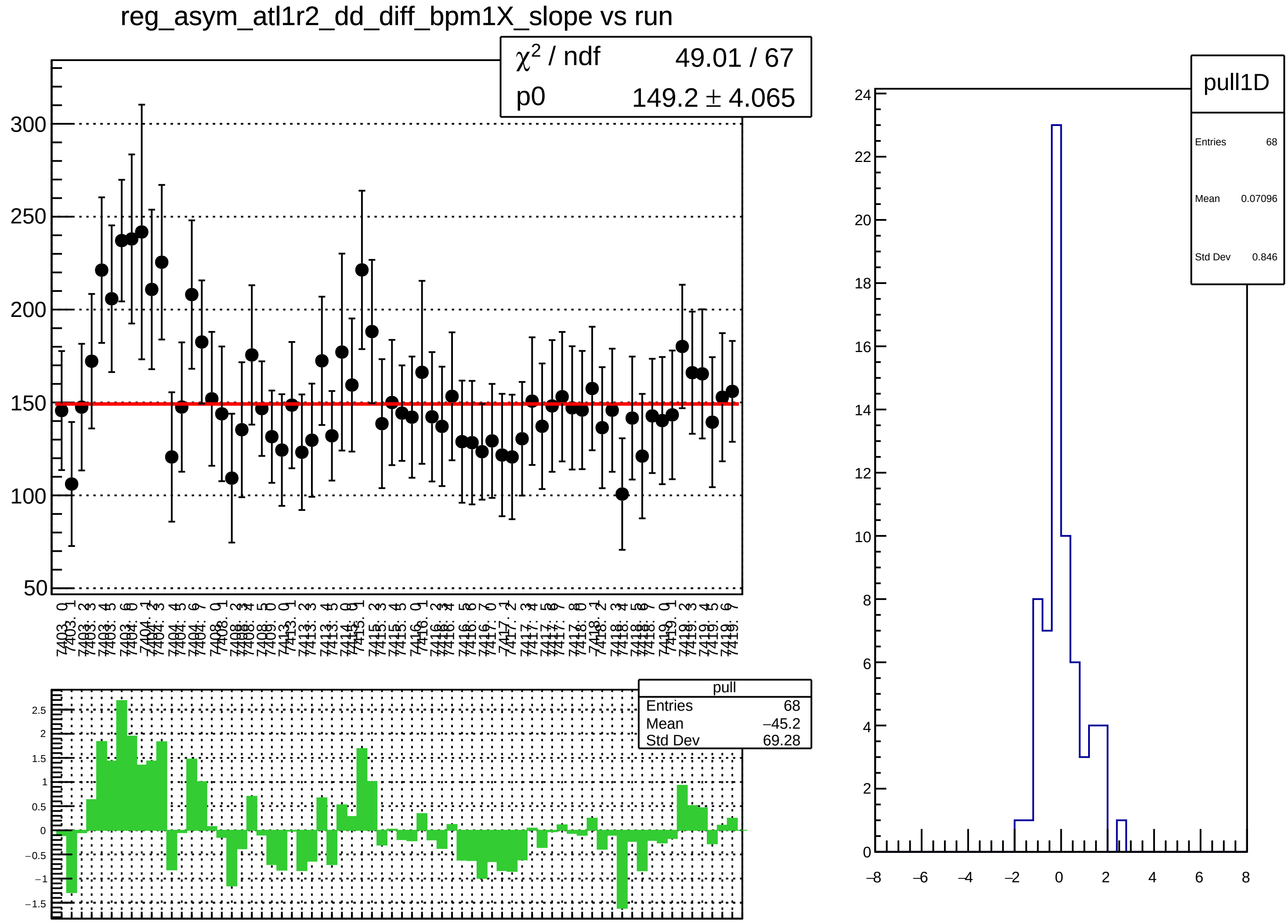

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 45.21 / 67
p0 −28.44 ± 3.958
pull
Entries 68
Mean 66.42
Std Dev 62.46
pull1D
Entries 68
Mean −0.0257
Std Dev 0.815

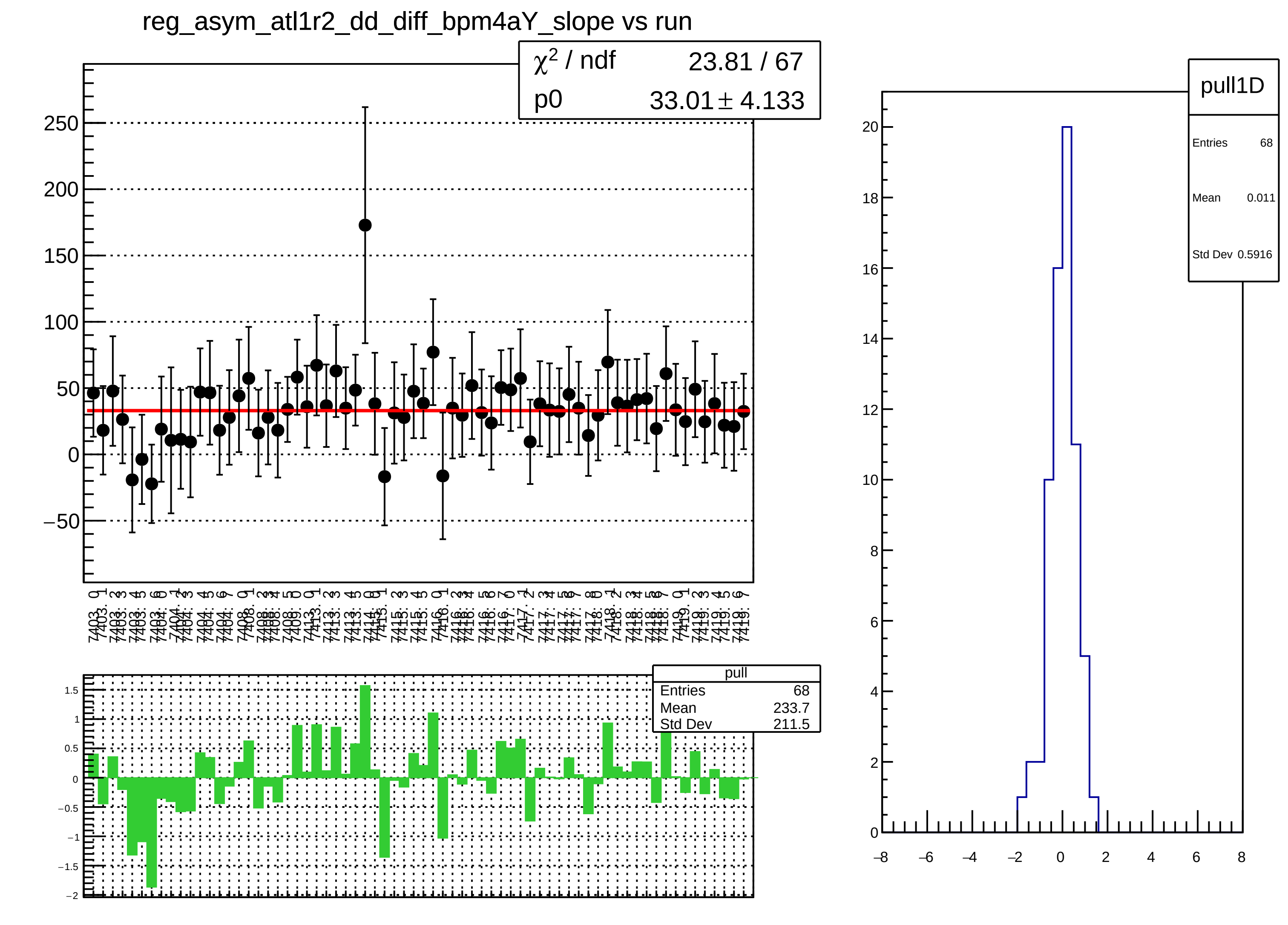

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 75.33 / 67
p0 190.5 ± 4.046
pull
Entries 68
Mean −29.57
Std Dev 45.69
pull1D
Entries 68
Mean 0.08645
Std Dev 1.049

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run

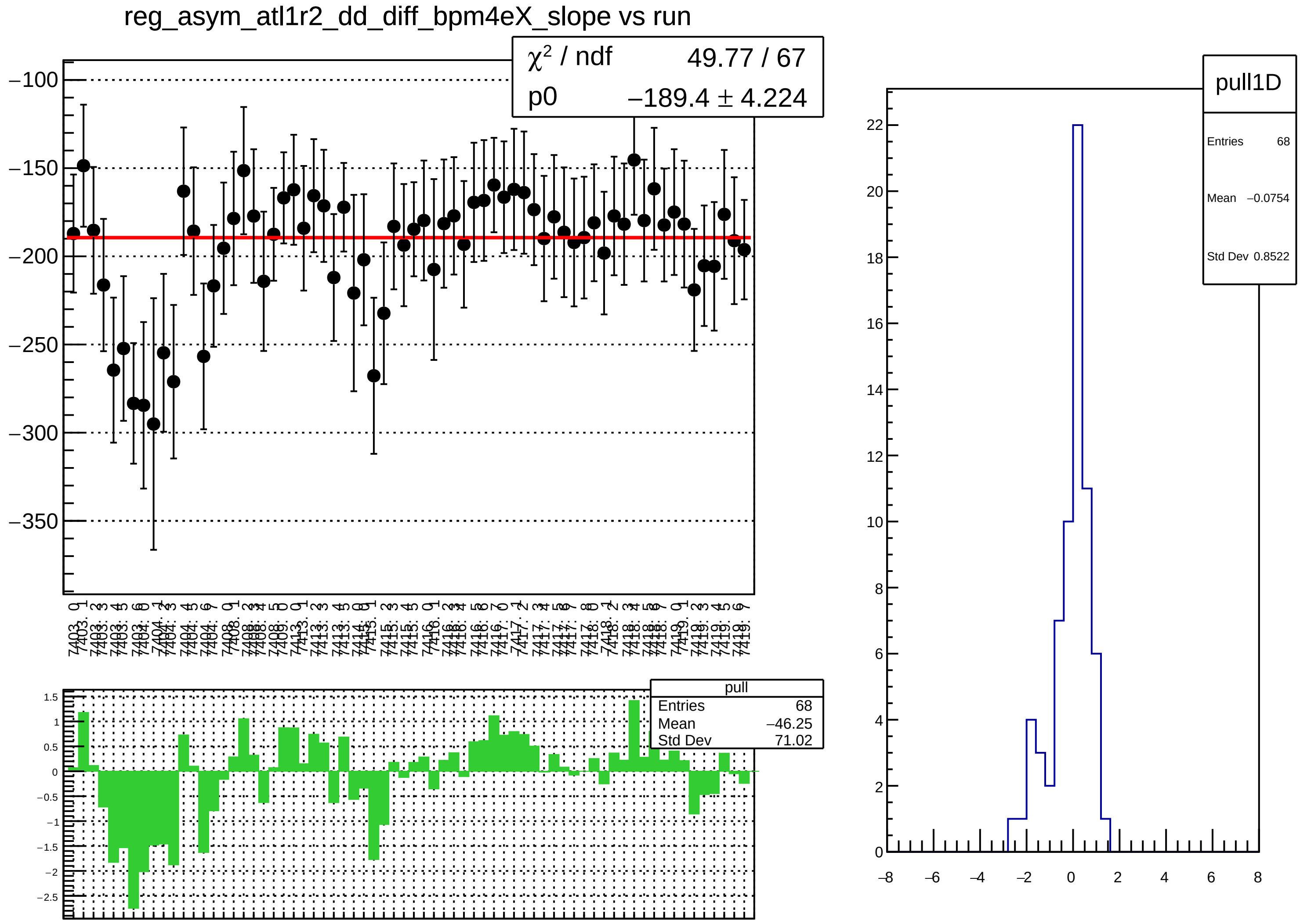


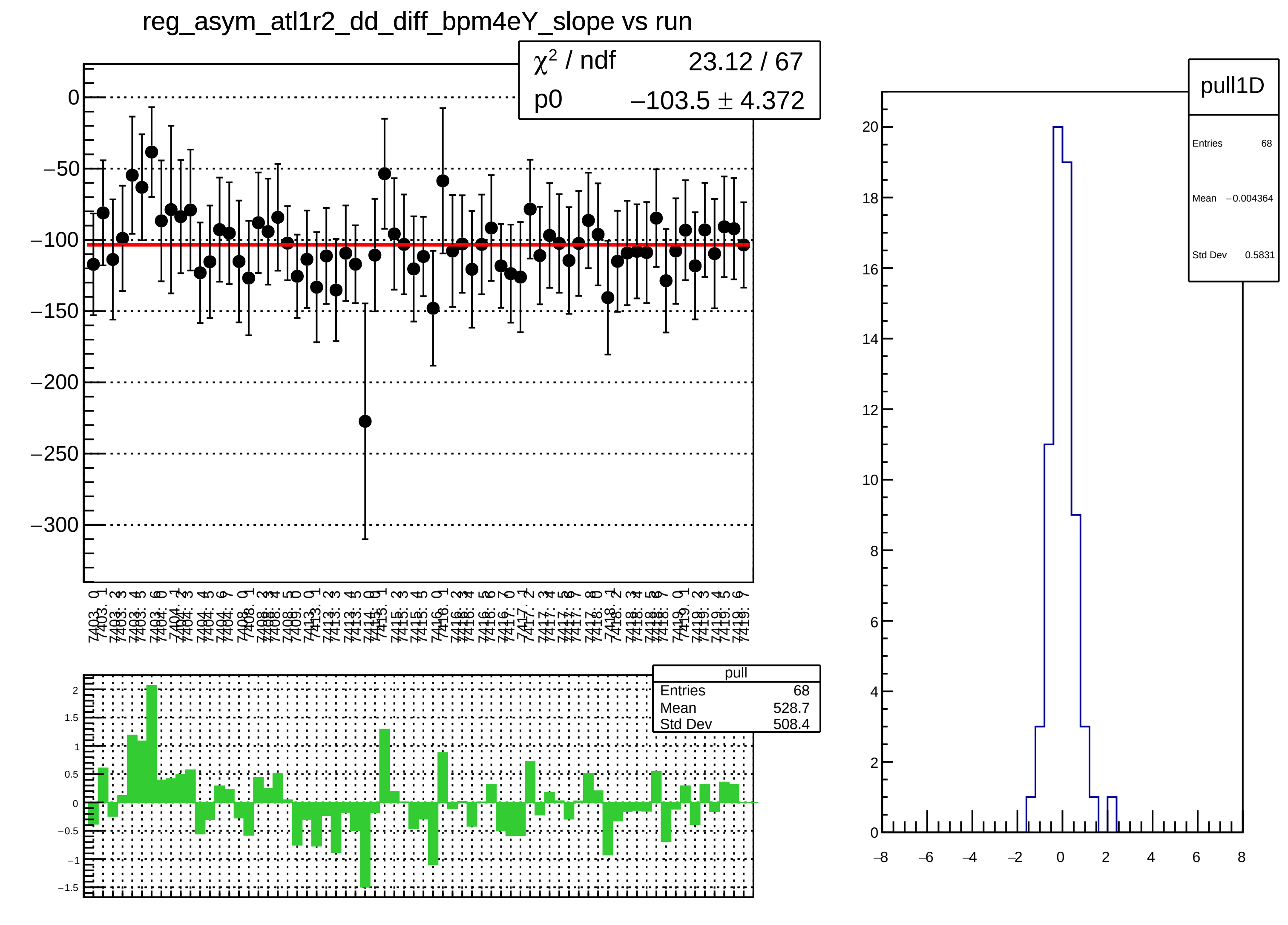

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 181.1 / 67
p0 −124.9 ± 0.185
pull
Entries 68
Mean −4006
Std Dev 4038
pull1D
Entries 68
Mean 0.006503
Std Dev 1.632


reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 49.01 / 67
p0 149.2 ± 4.065
pull
Entries 68
Mean −45.2
Std Dev 69.28
pull1D
Entries 68
Mean 0.07096
Std Dev 0.846

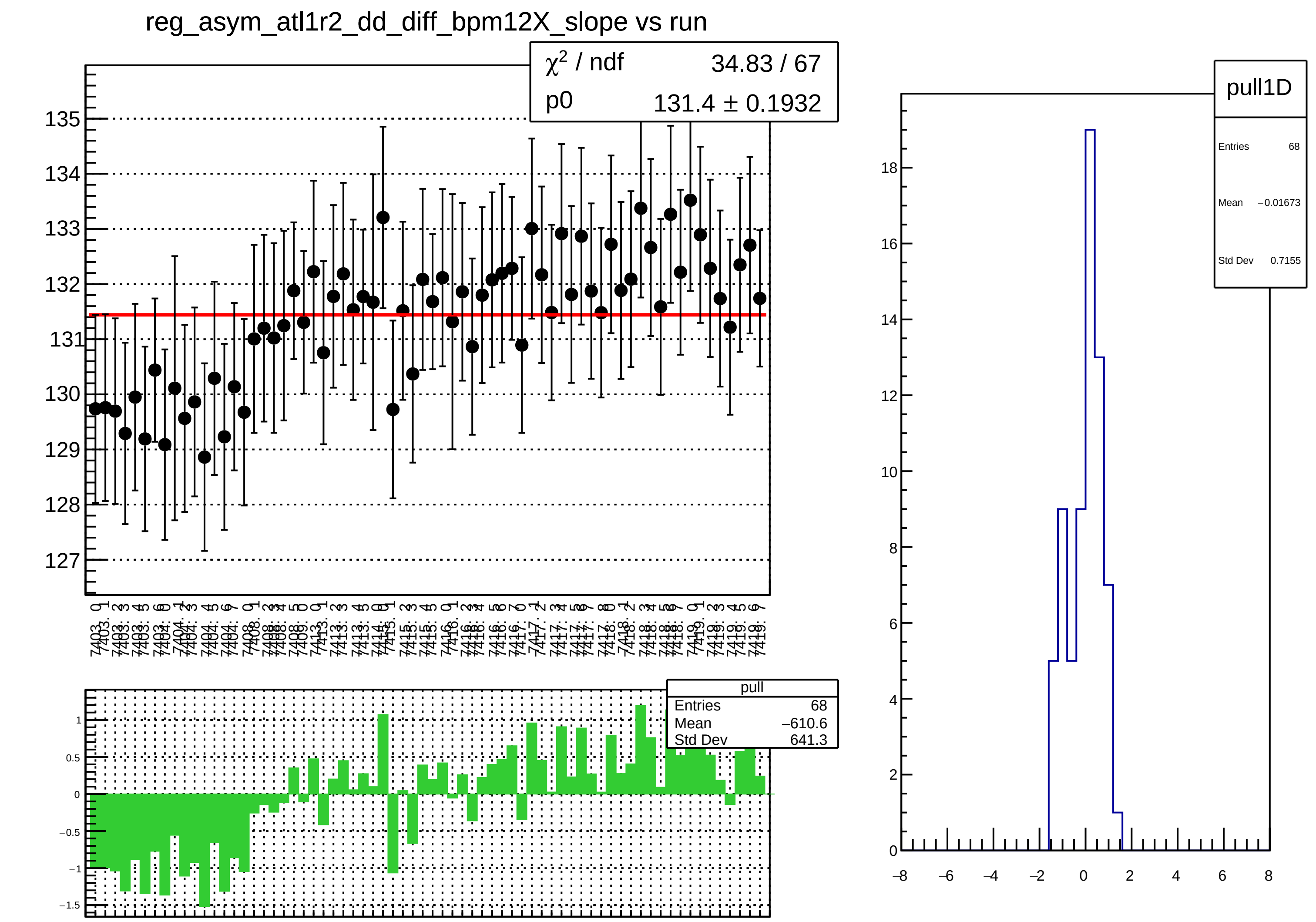


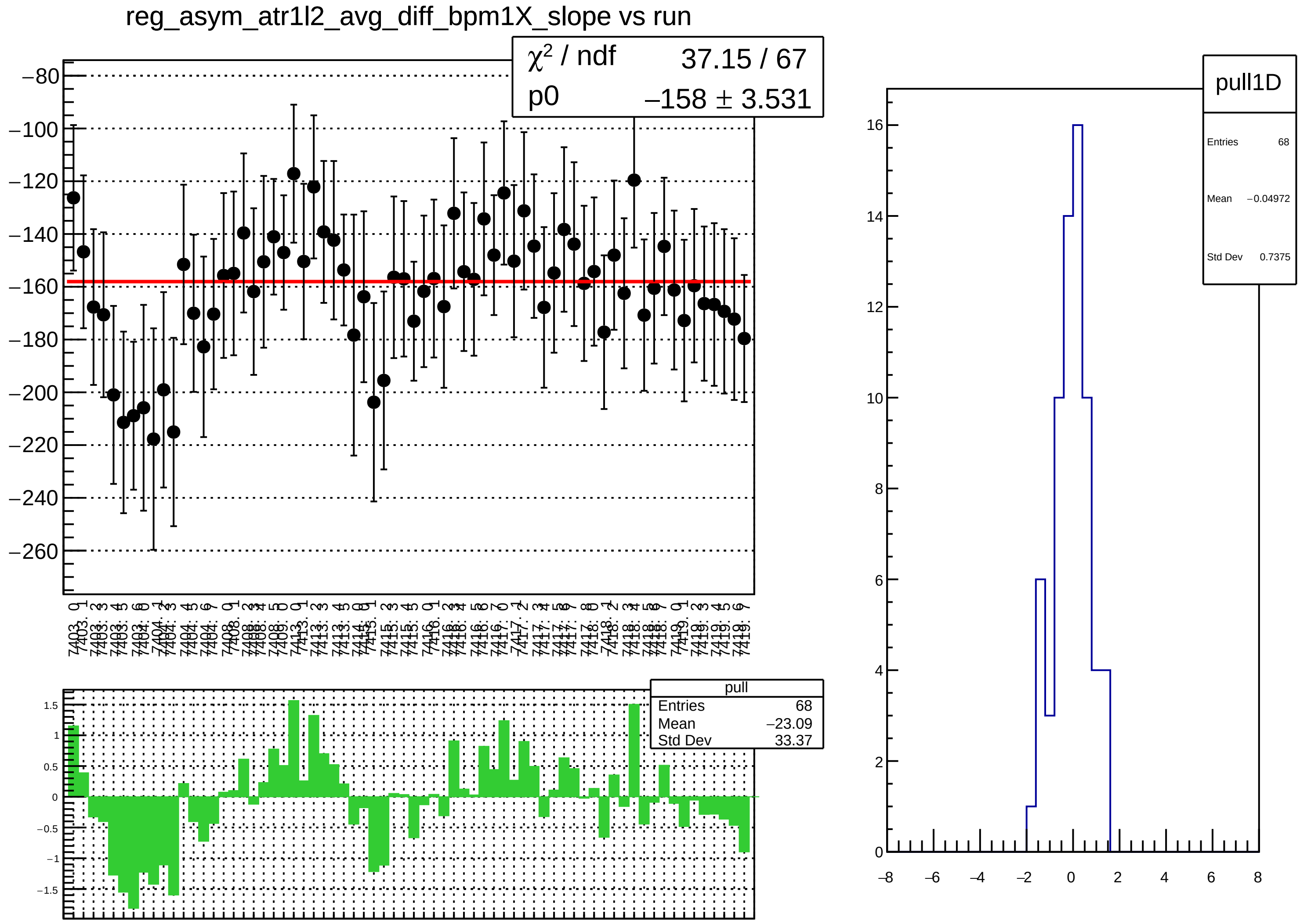
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 23.81 / 67
p0 33.01 ± 4.133
pull
Entries 68
Mean 233.7
Std Dev 211.5
pull1D
Entries 68
Mean 0.011
Std Dev 0.5916


reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 49.77 / 67
p0 −189.4 ± 4.224
pull
Entries 68
Mean −46.25
Std Dev 71.02
pull1D
Entries 68
Mean −0.0754
Std Dev 0.8522

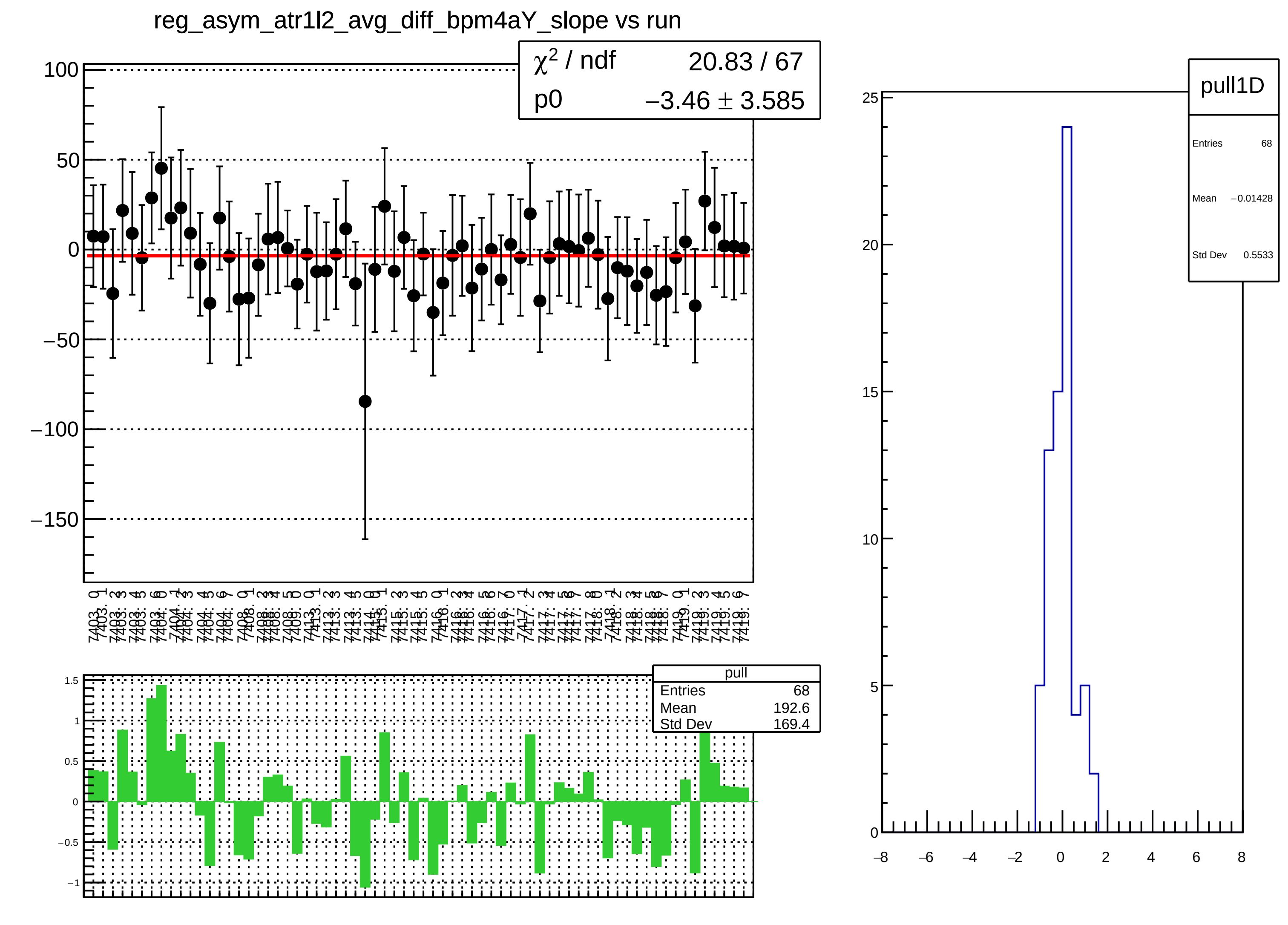


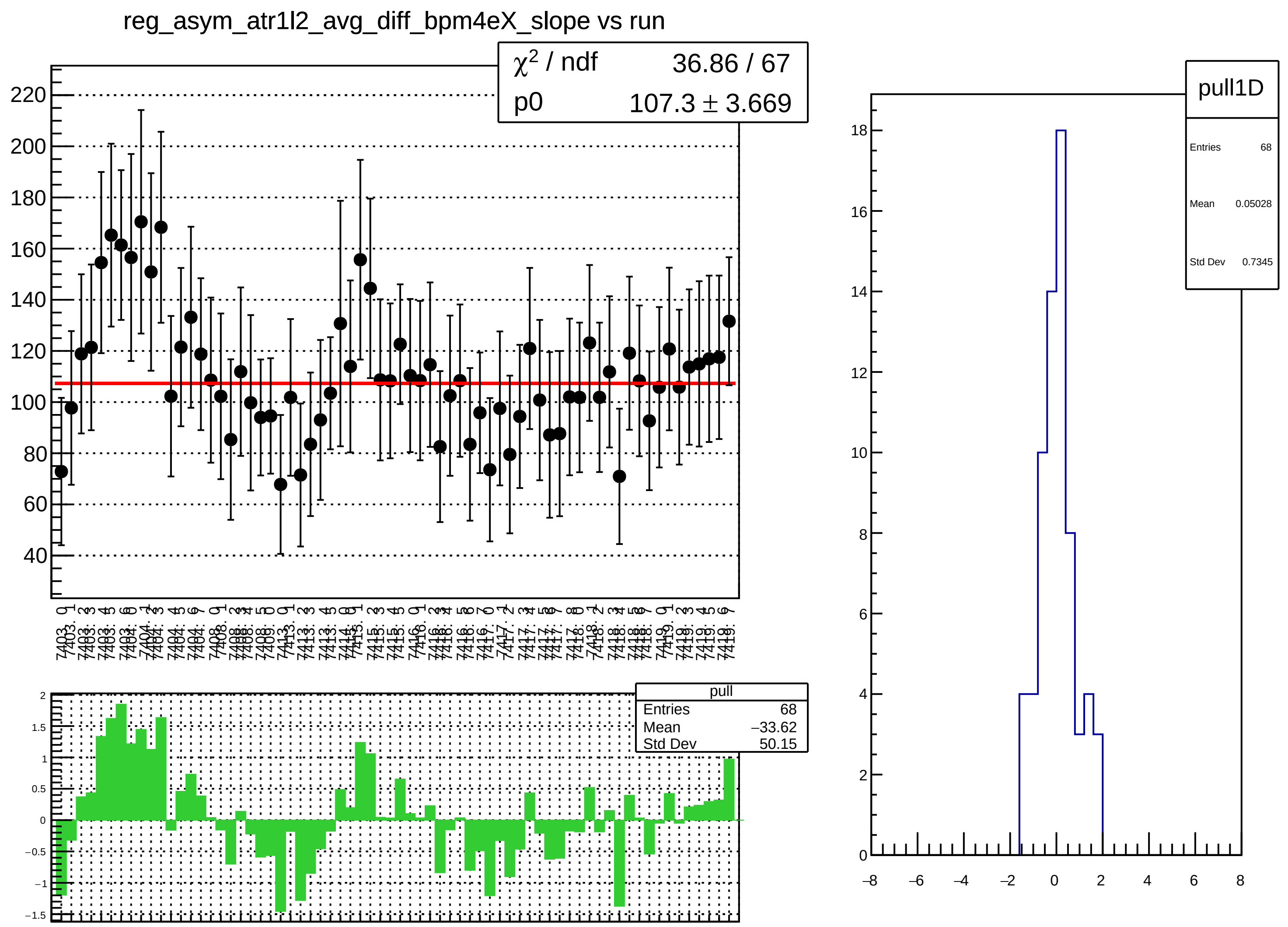
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 23.12 / 67
p0 −103.5 ± 4.372
pull
Entries 68
Mean 528.7
Std Dev 508.4
pull1D
Entries 68
Mean −0.004364
Std Dev 0.5831

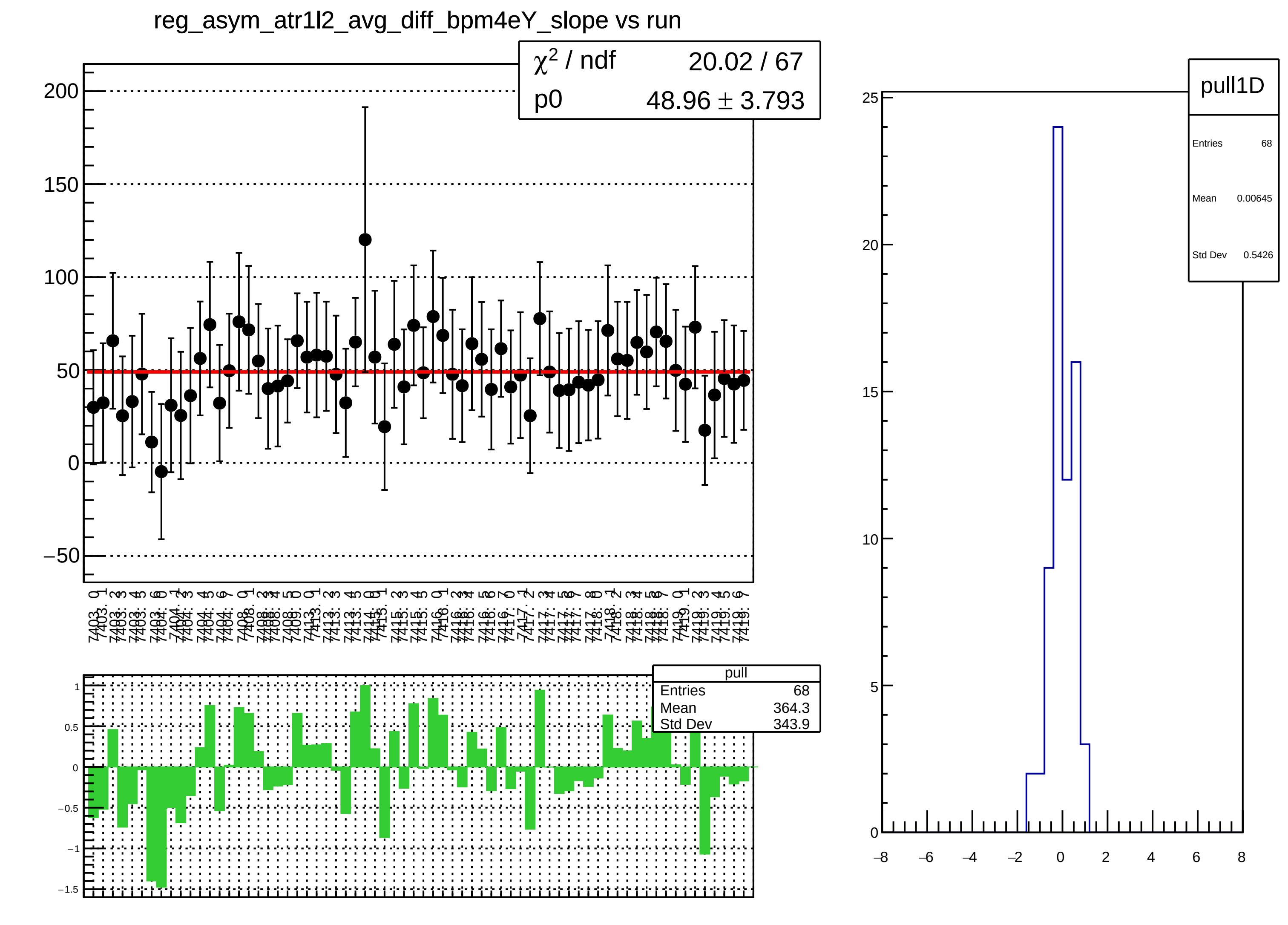

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 34.83 / 67
p0 131.4 ± 0.1932
pull
Entries 68
Mean −610.6
Std Dev 641.3
pull1D
Entries 68
Mean −0.01673
Std Dev 0.7155



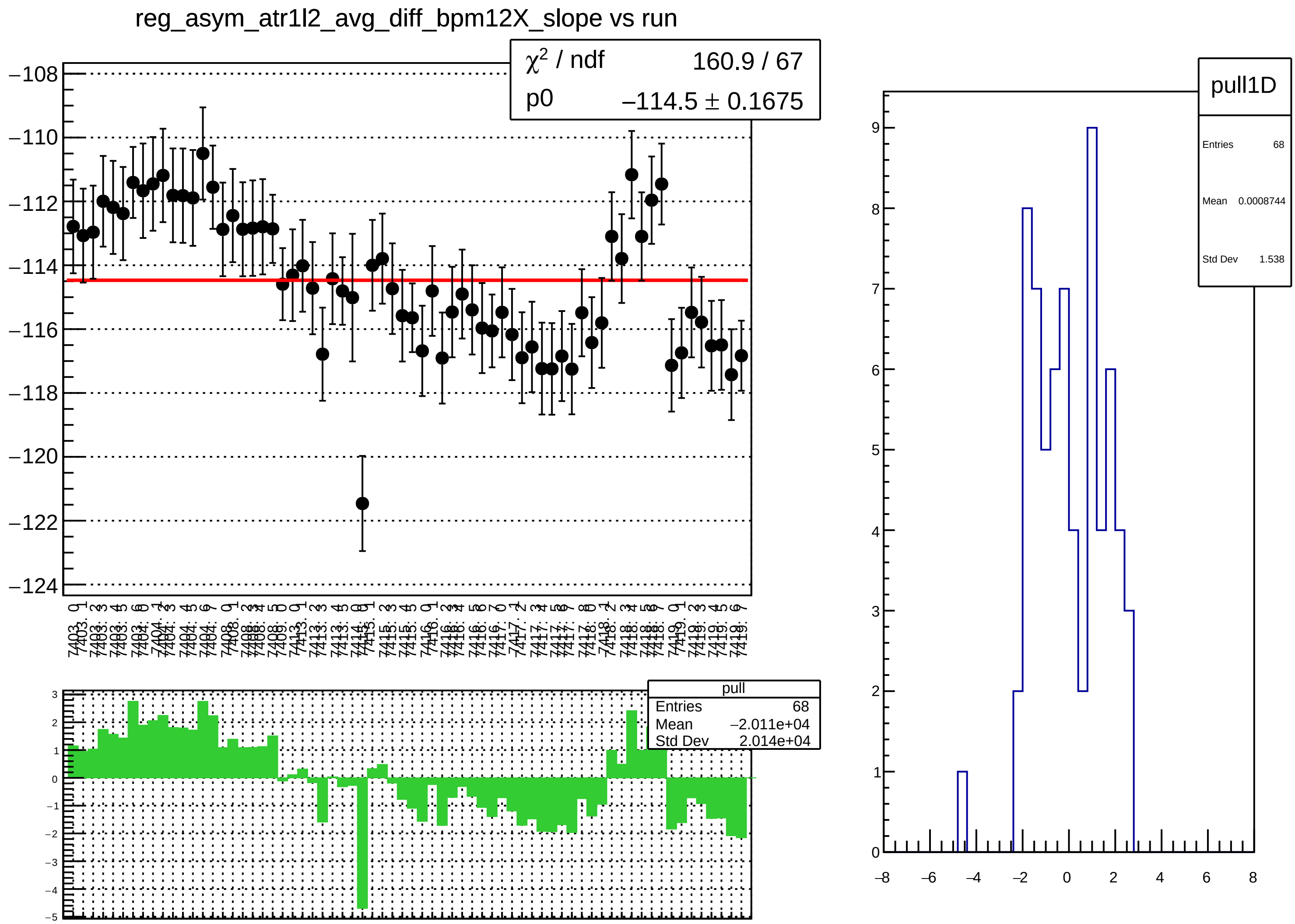
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 37.15 / 67
p0 −158 ± 3.531
pull
Entries 68
Mean −23.09
Std Dev 33.37
pull1D
Entries 68
Mean −0.04972
Std Dev 0.7375


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 20.83 / 67
p0 −3.46 ± 3.585
100
50
0
−50
−100
−150
pull
Entries 68
Mean 192.6
Std Dev 169.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 68
Mean −0.01428
Std Dev 0.5533
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

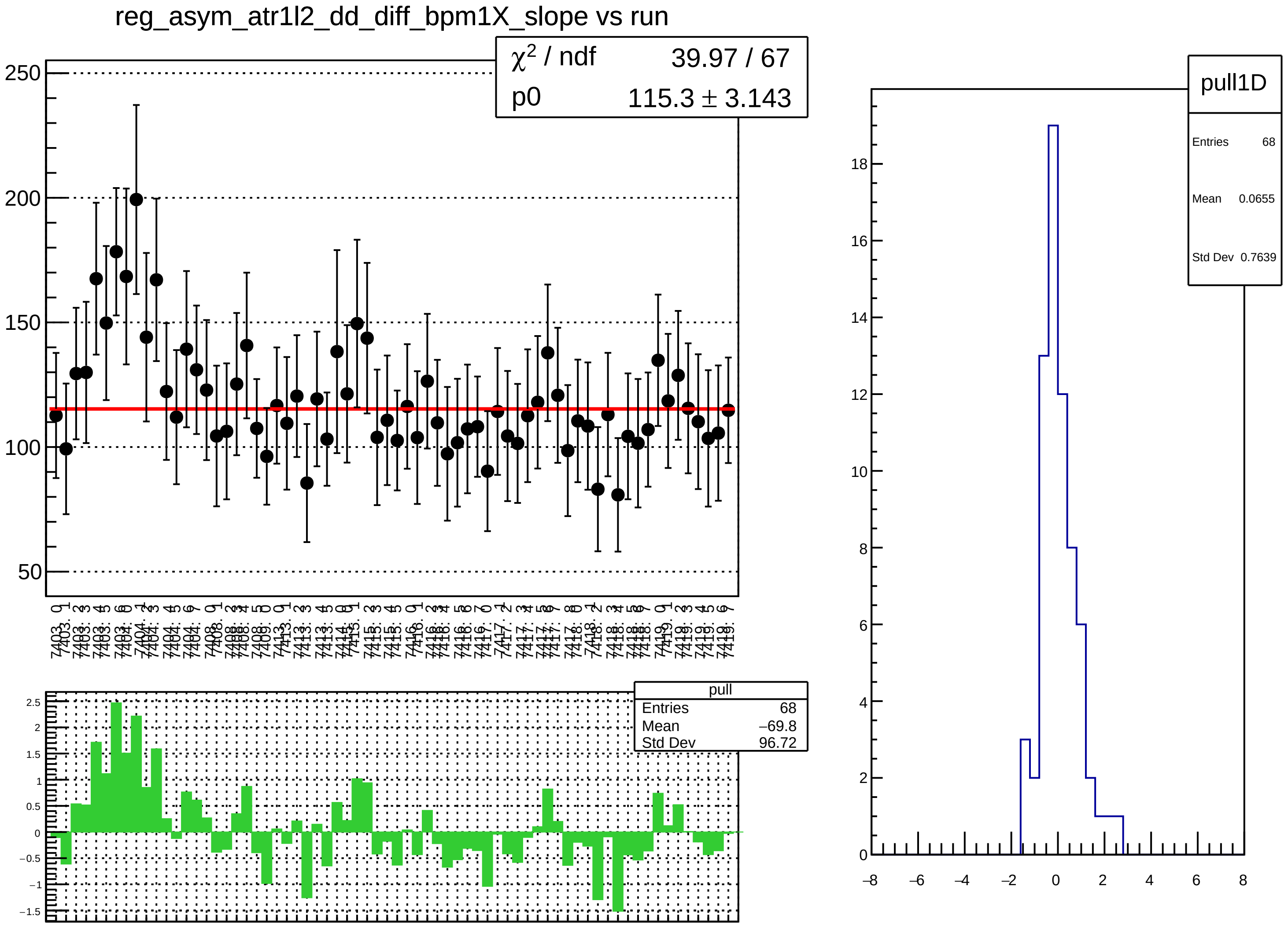

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 36.86 / 67
p0 107.3 ± 3.669
pull
Entries 68
Mean −33.62
Std Dev 50.15
pull1D
Entries 68
Mean 0.05028
Std Dev 0.7345

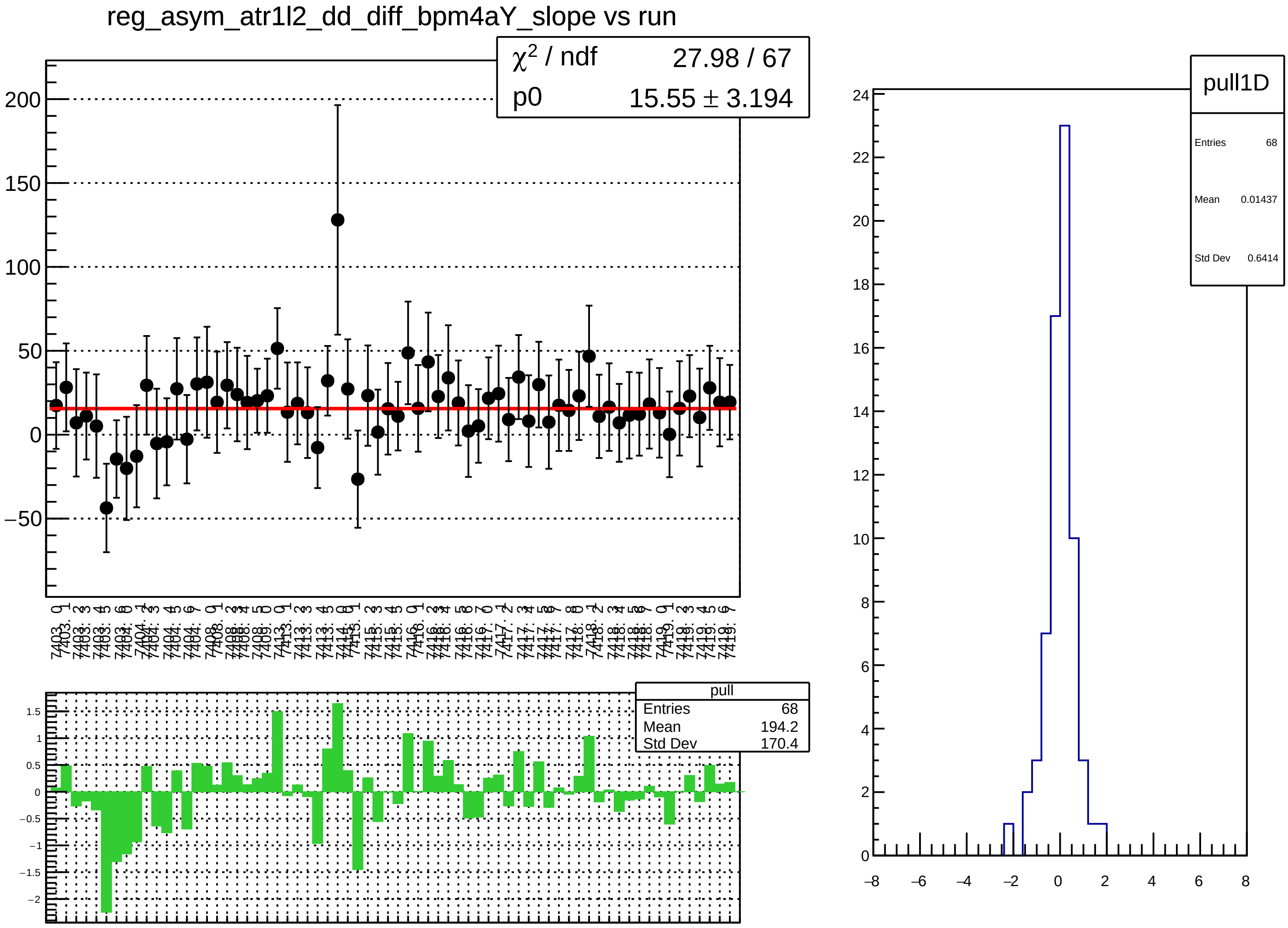


reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 20.02 / 67
p0 48.96 ± 3.793
pull
Entries 68
Mean 364.3
Std Dev 343.9
pull1D
Entries 68
Mean 0.00645
Std Dev 0.5426

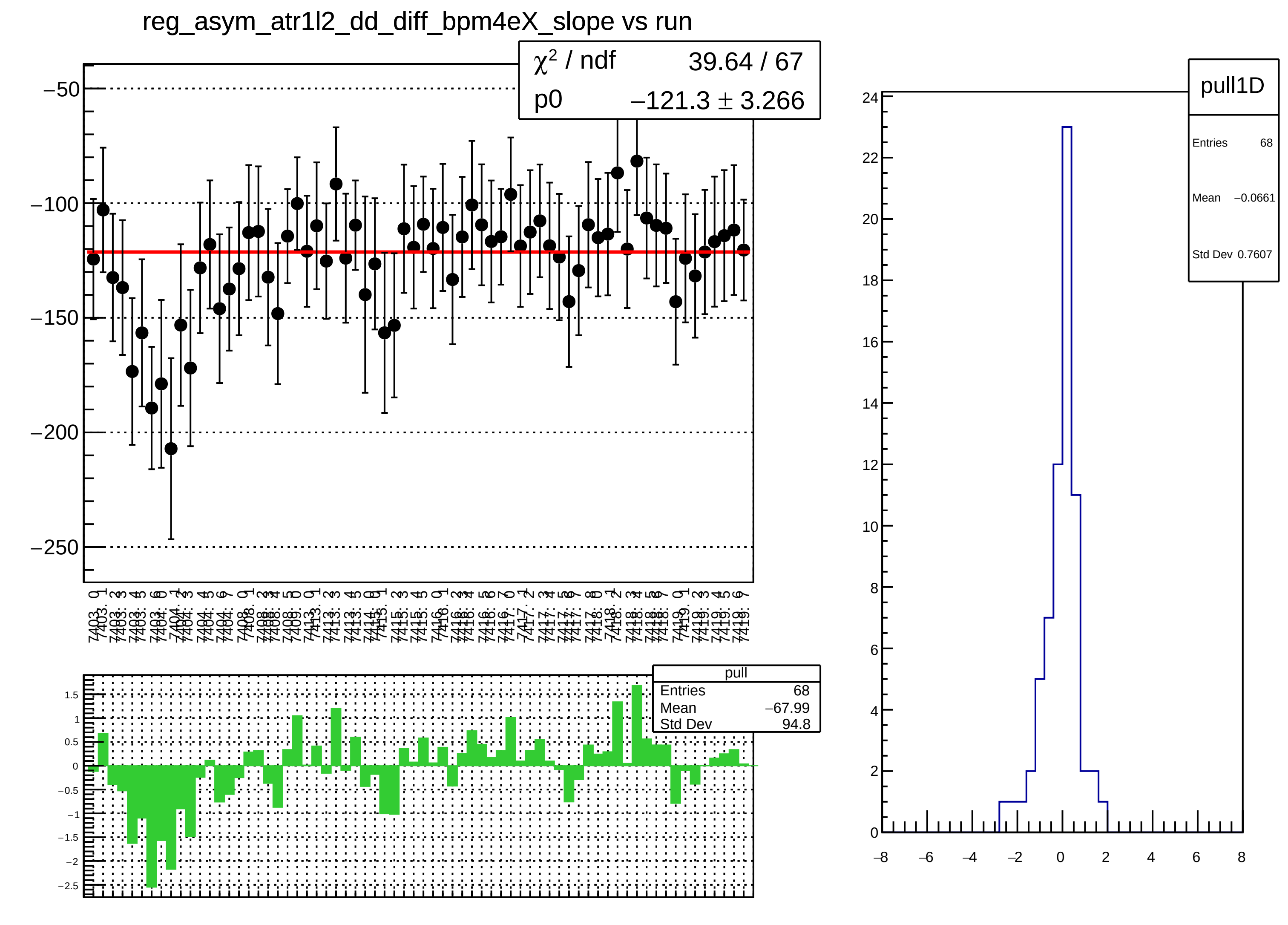


reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 160.9 / 67
p0 −114.5 ± 0.1675
pull
Entries 68
Mean −2.011e+04
Std Dev 2.014e+04
pull1D
Entries 68
Mean 0.0008744
Std Dev 1.538

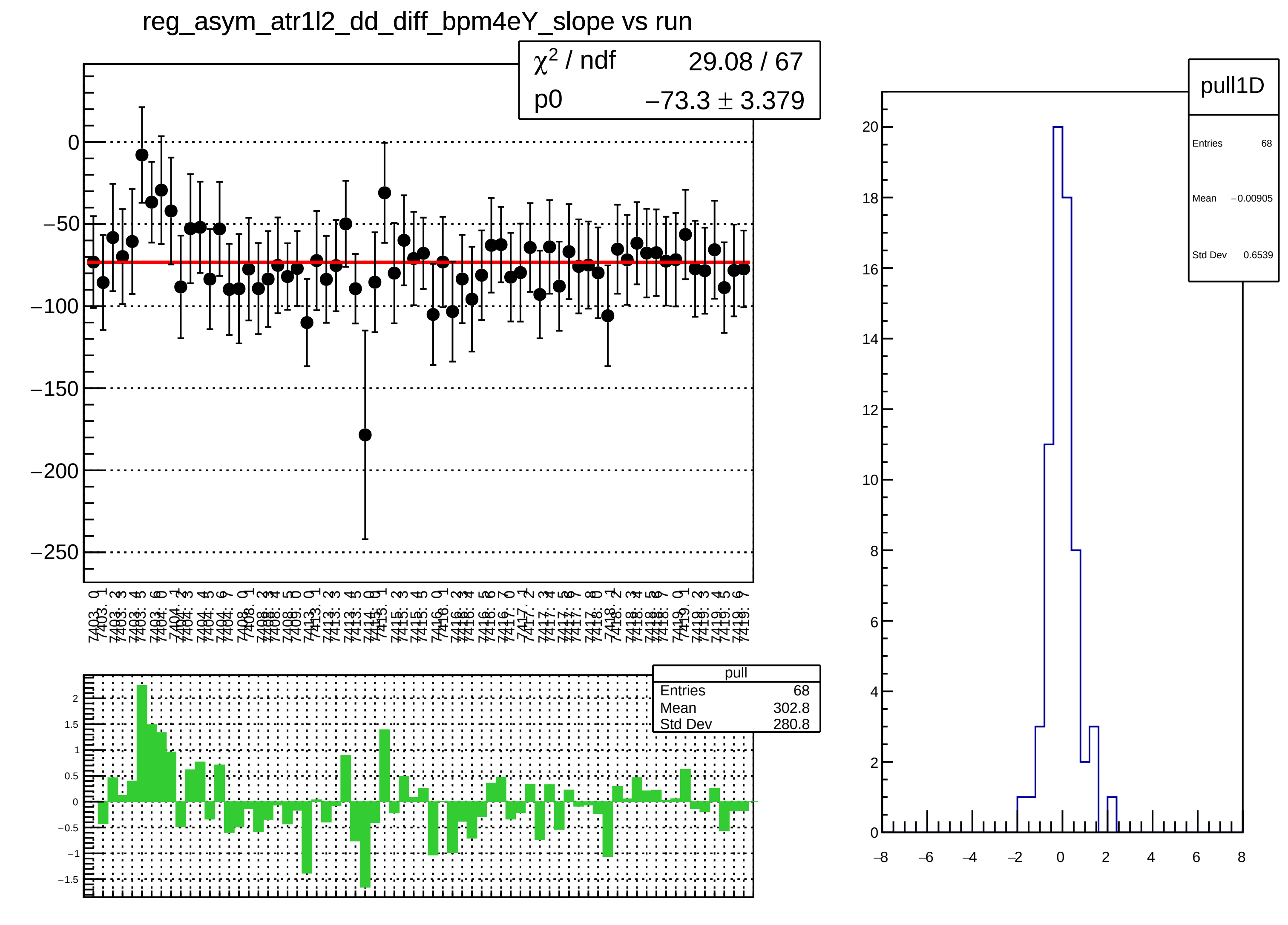

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 39.97 / 67
p0 115.3 ± 3.143
pull
Entries 68
Mean −69.8
Std Dev 96.72
pull1D
Entries 68
Mean 0.0655
Std Dev 0.7639



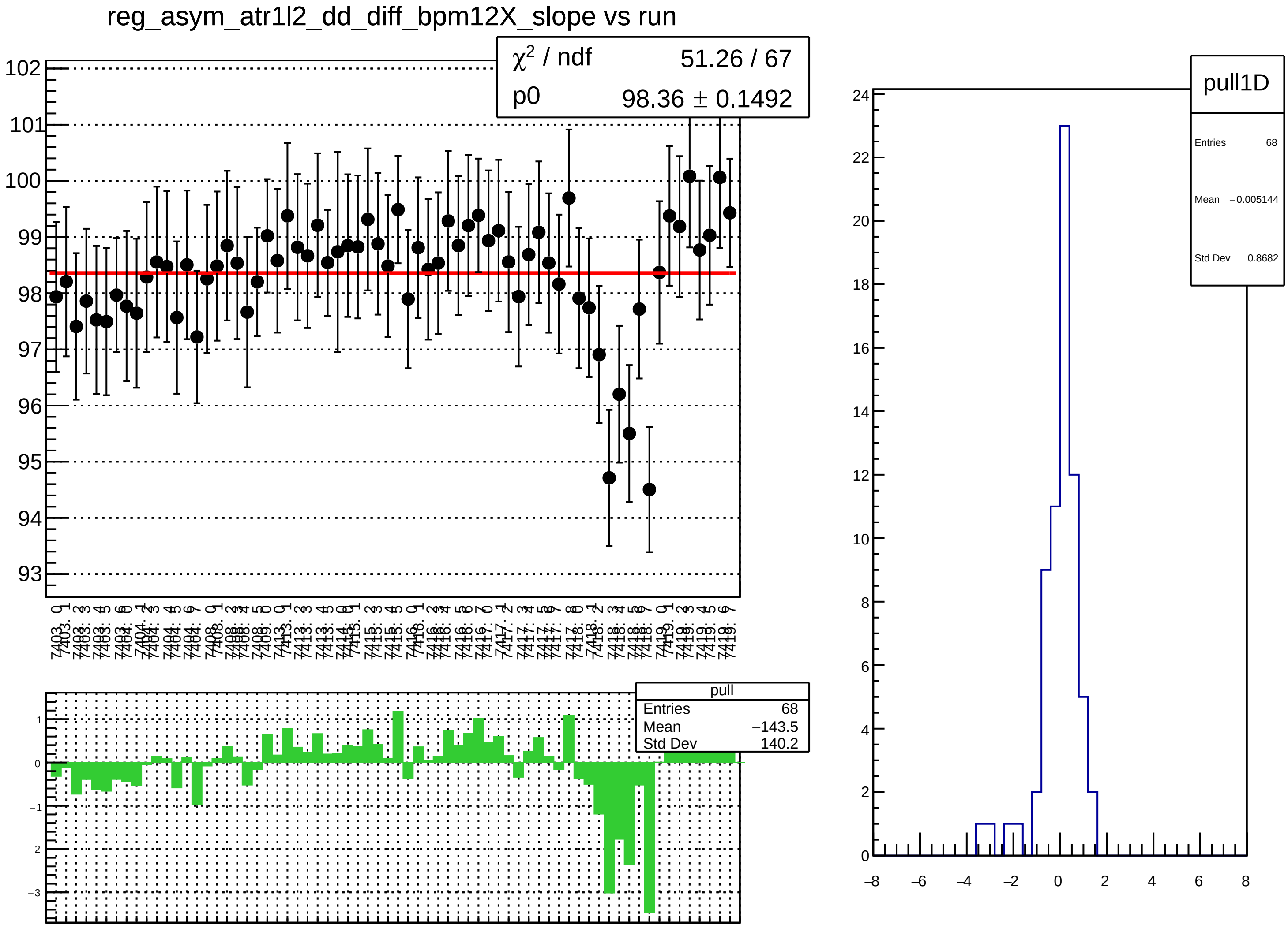
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 27.98 / 67
p0 15.55 ± 3.194
pull
Entries 68
Mean 194.2
Std Dev 170.4
pull1D
Entries 68
Mean 0.01437
Std Dev 0.6414

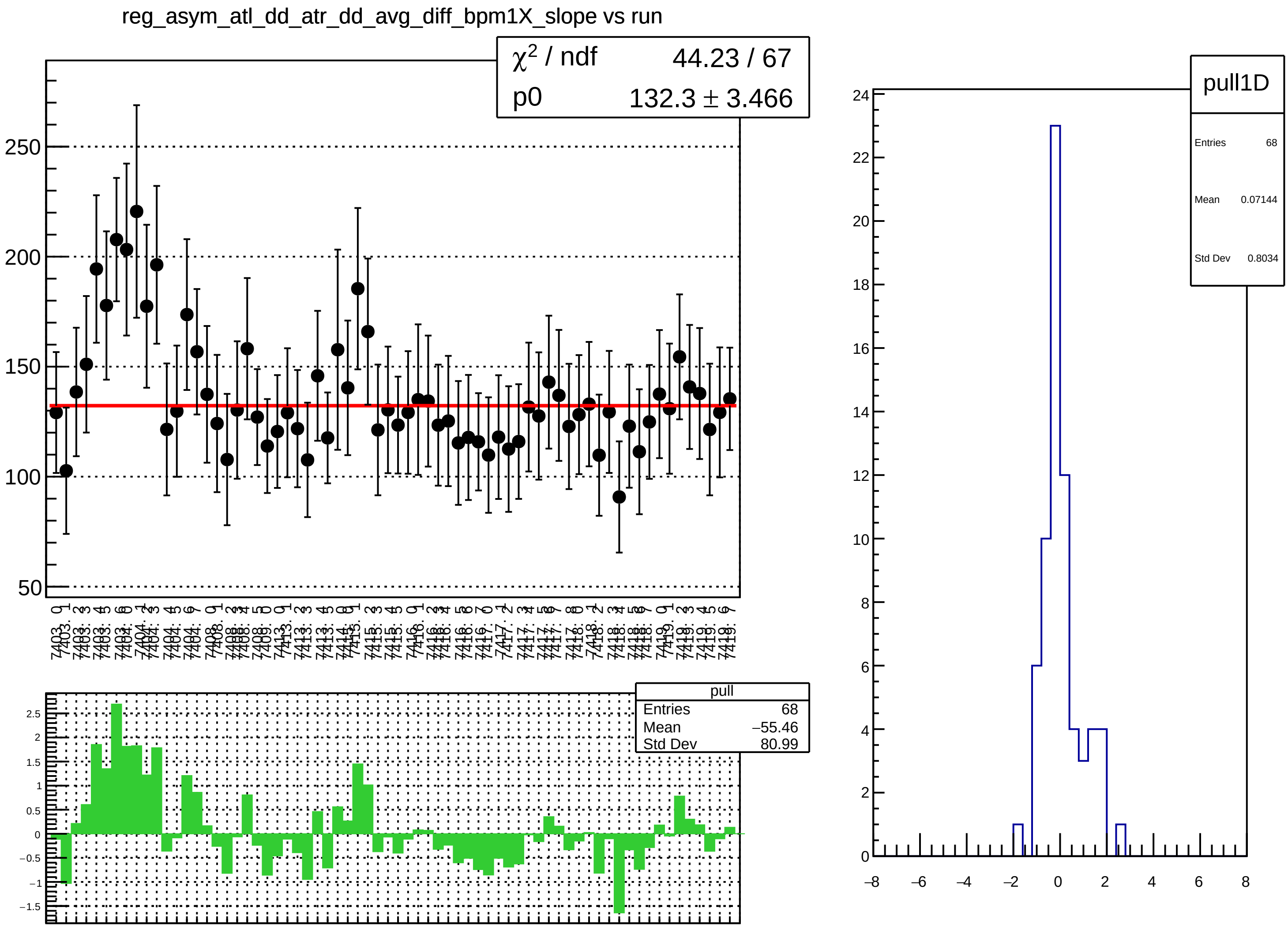


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 39.64 / 67
p0 −121.3 ± 3.266
pull
Entries 68
Mean −67.99
Std Dev 94.8
pull1D
Entries 68
Mean −0.0661
Std Dev 0.7607

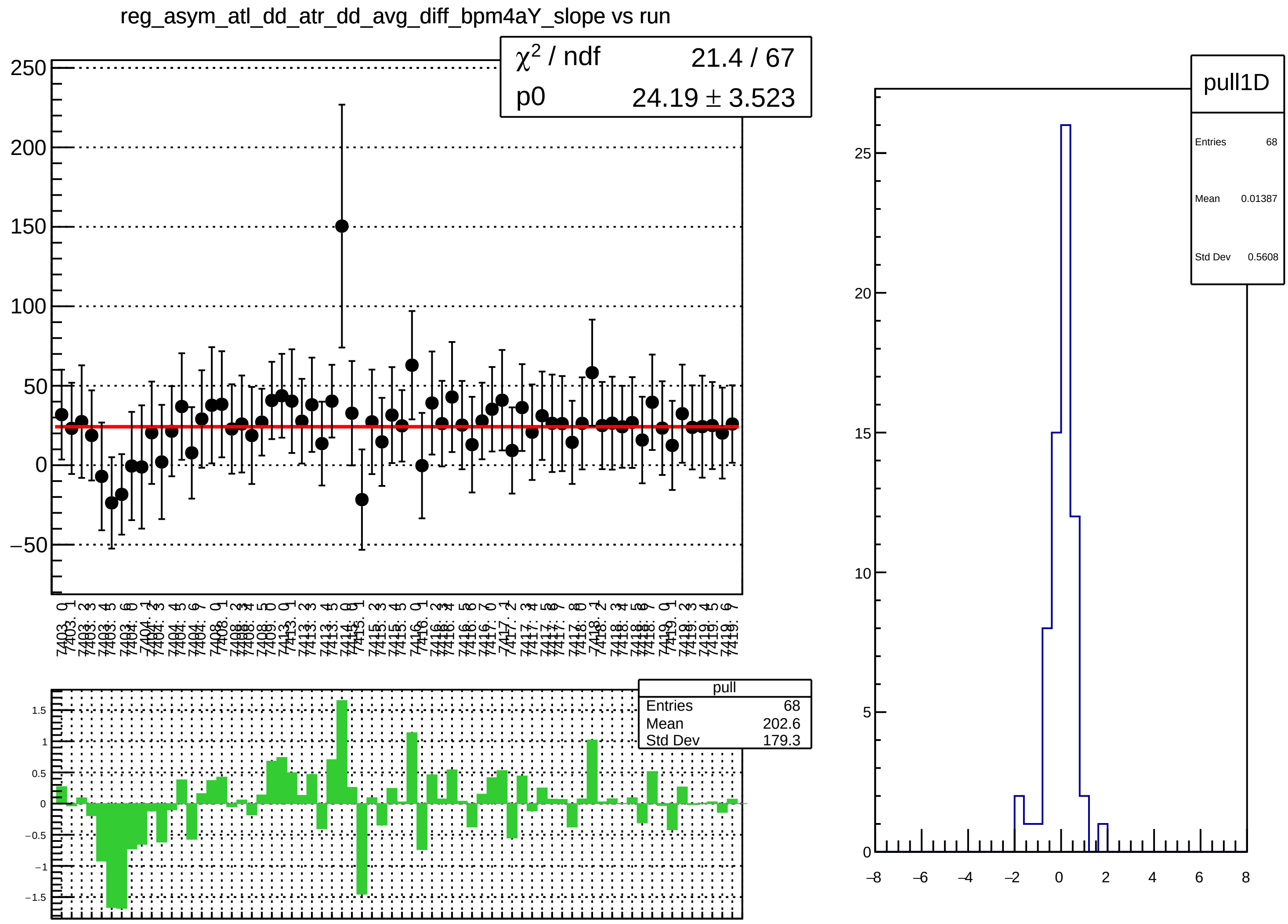


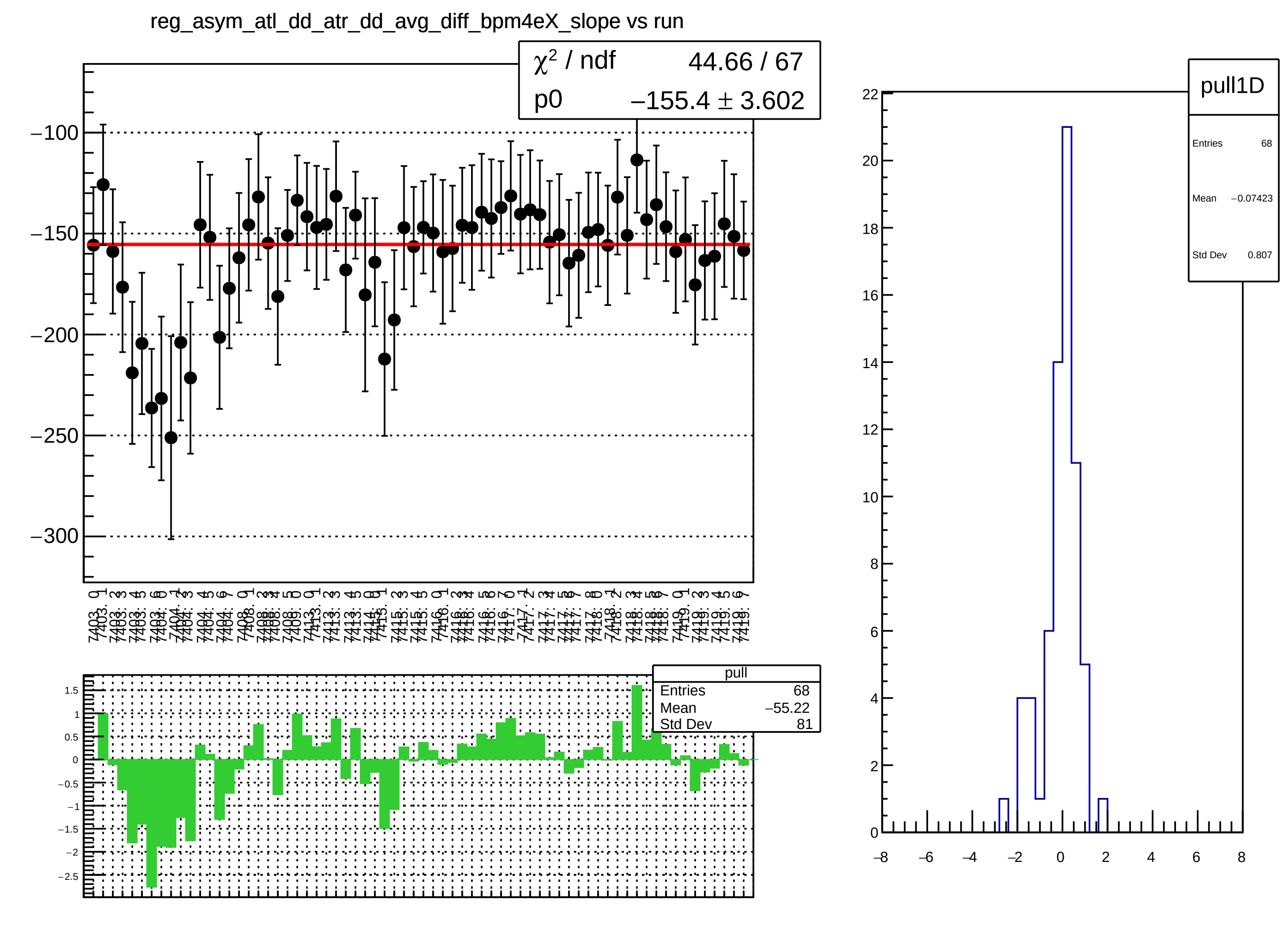
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 29.08 / 67
p0 −73.3 ± 3.379
pull
Entries 68
Mean 302.8
Std Dev 280.8
pull1D
Entries 68
Mean −0.00905
Std Dev 0.6539

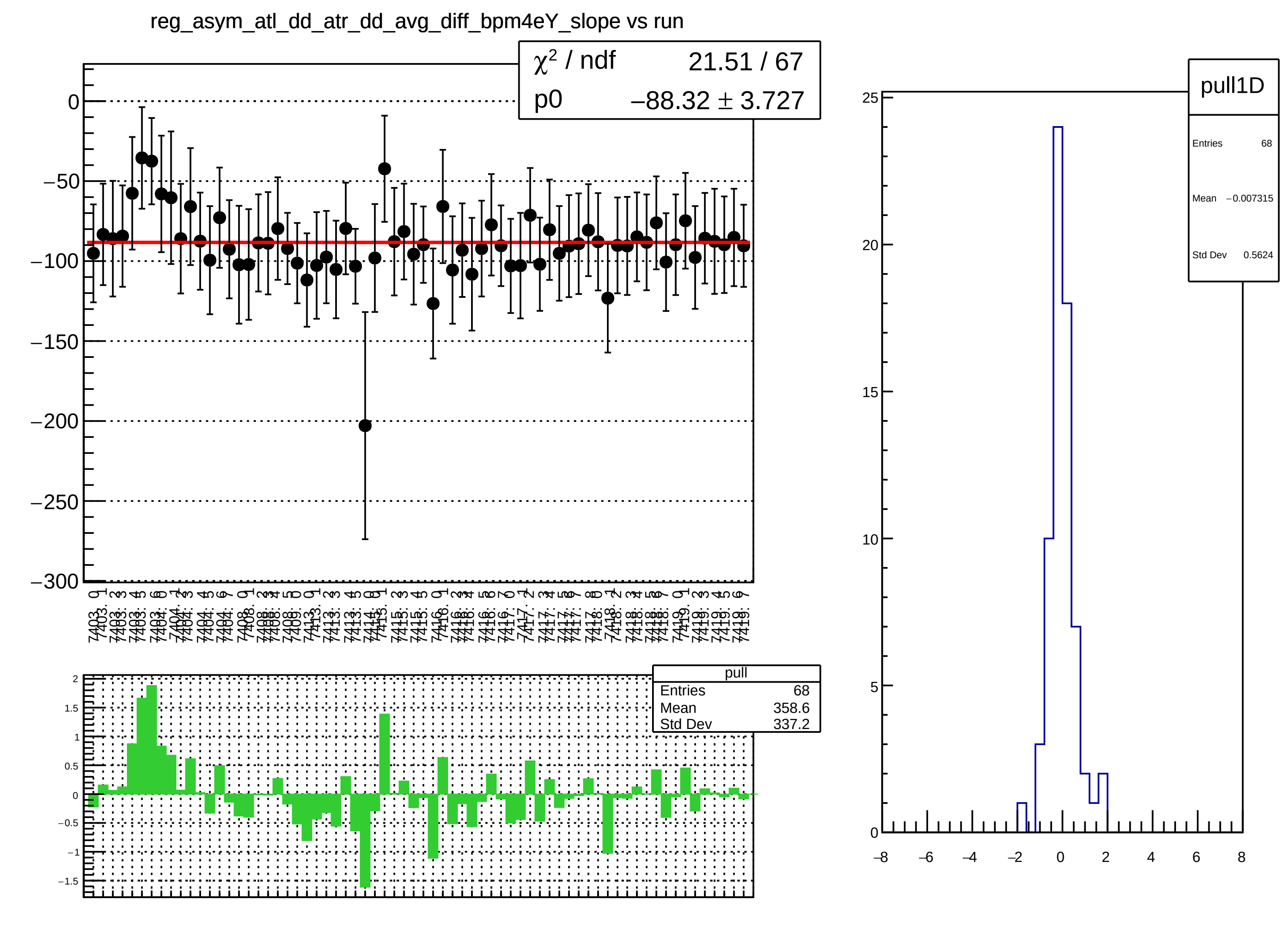

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 51.26 / 67
p0 98.36 ± 0.1492
pull
Entries 68
Mean −143.5
Std Dev 140.2
pull1D
Entries 68
Mean −0.005144
Std Dev 0.8682

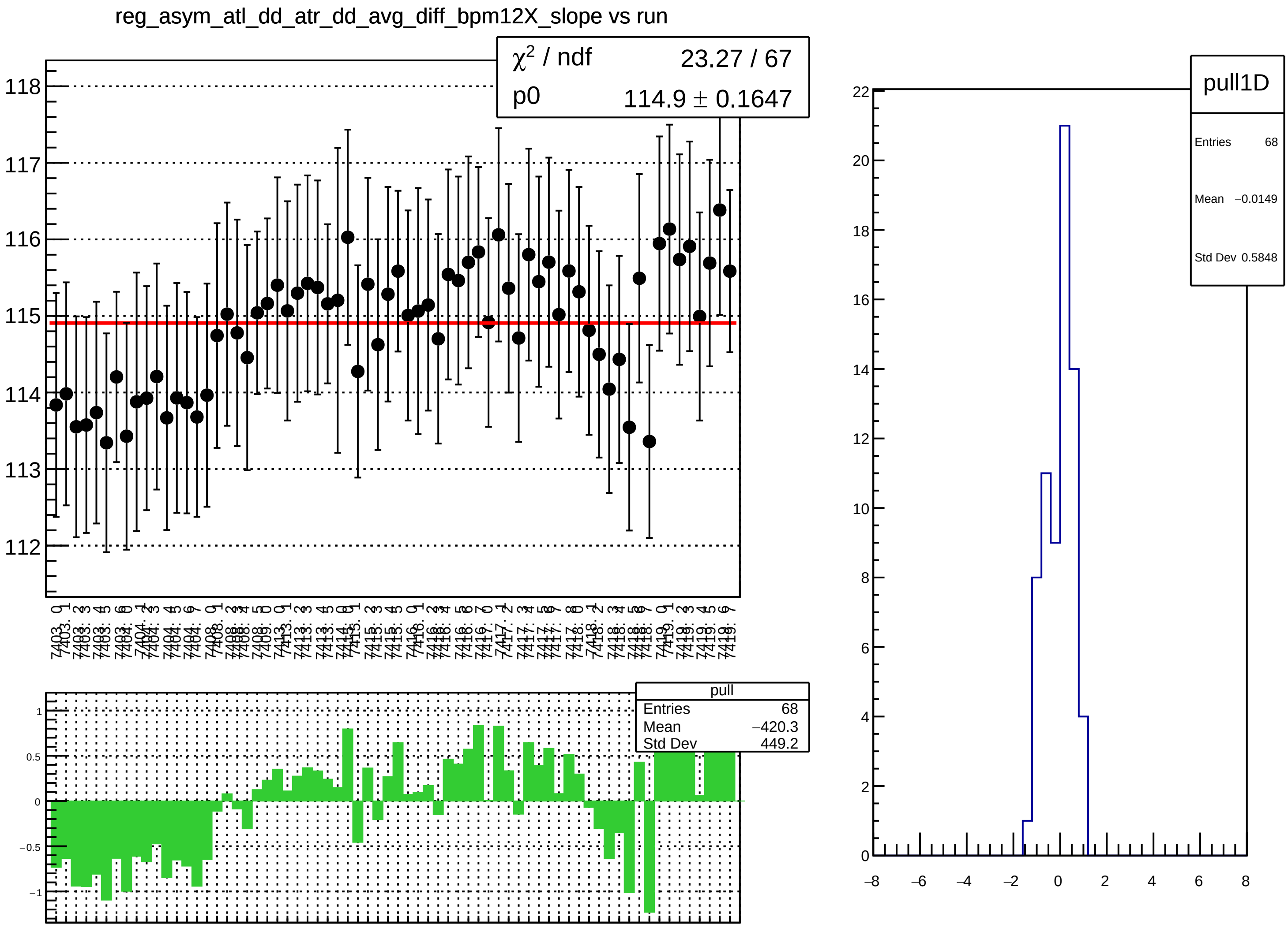


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.23 / 67
p0 132.3 ± 3.466
pull
Entries 68
Mean −55.46
Std Dev 80.99
pull1D
Entries 68
Mean 0.07144
Std Dev 0.8034

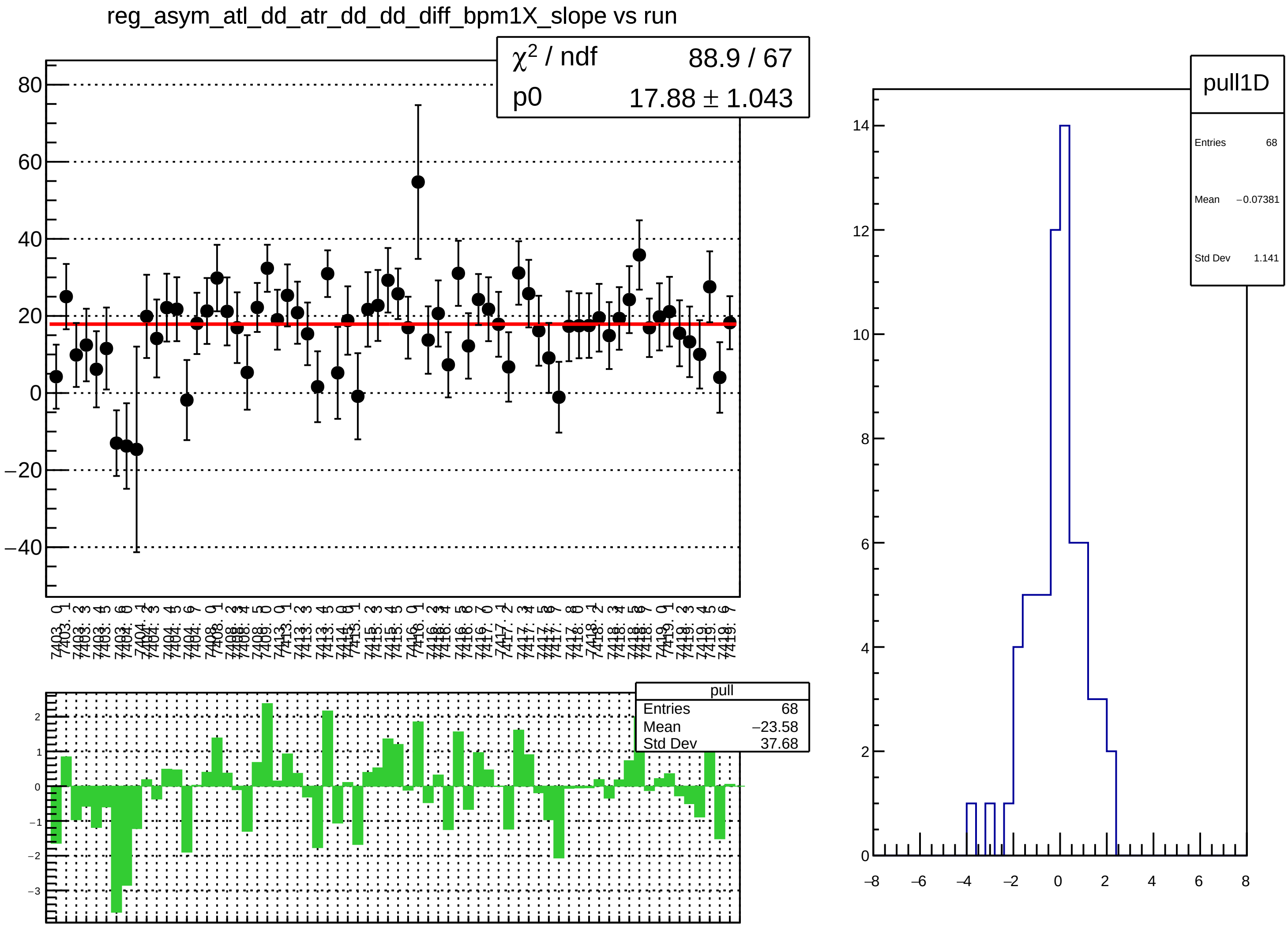

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 21.4 / 67
p0 24.19 ± 3.523
pull
Entries 68
Mean 202.6
Std Dev 179.3
pull1D
Entries 68
Mean 0.01387
Std Dev 0.5608

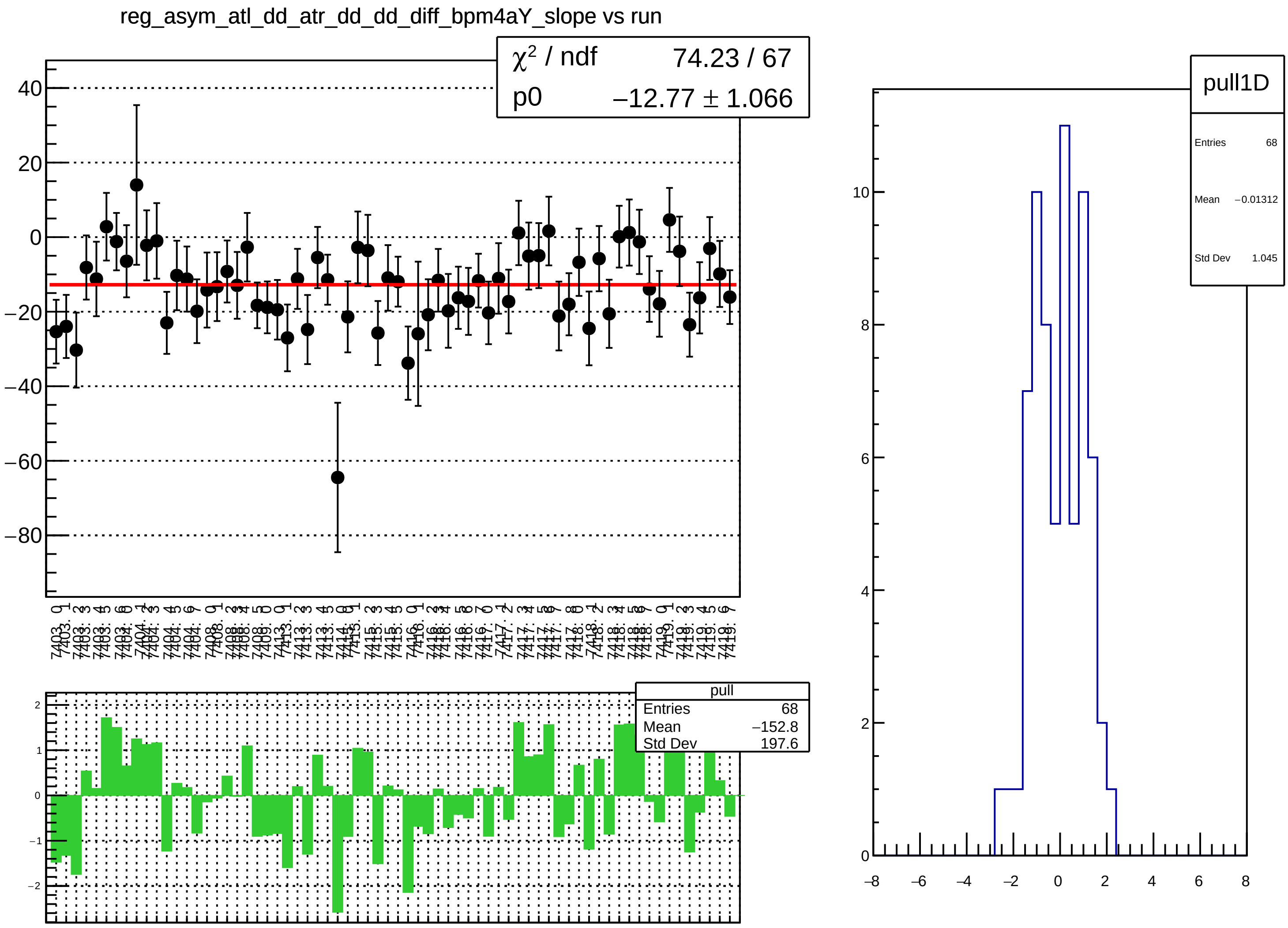

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 44.66 / 67
p0 −155.4 ± 3.602
pull
Entries 68
Mean −55.22
Std Dev 81
pull1D
Entries 68
Mean −0.07423
Std Dev 0.807

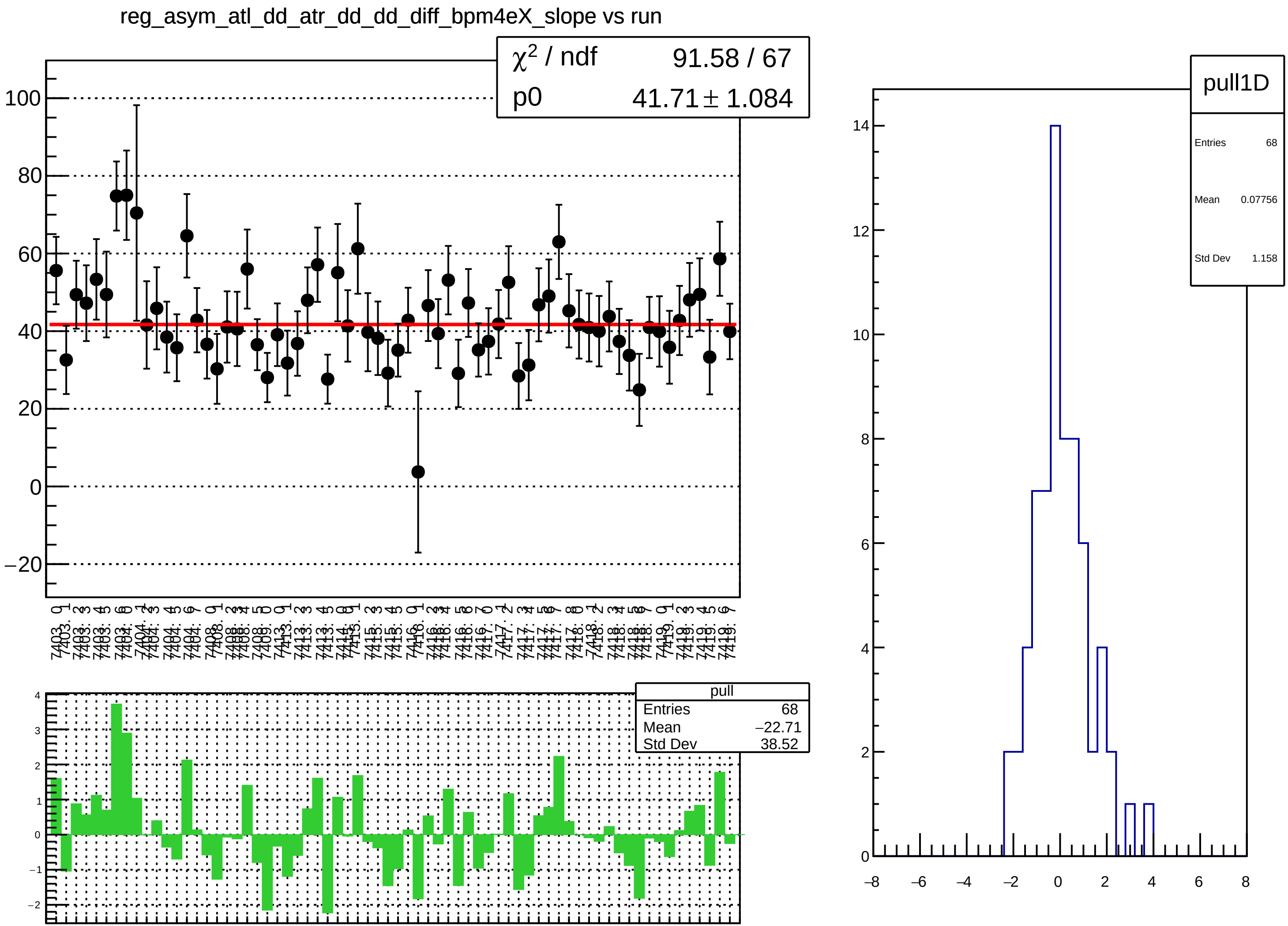

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ2 / ndf 21.51 / 67
p0 −88.32 ± 3.727
pull
Entries 68
Mean 358.6
Std Dev 337.2
pull1D
Entries 68
Mean −0.007315
Std Dev 0.5624



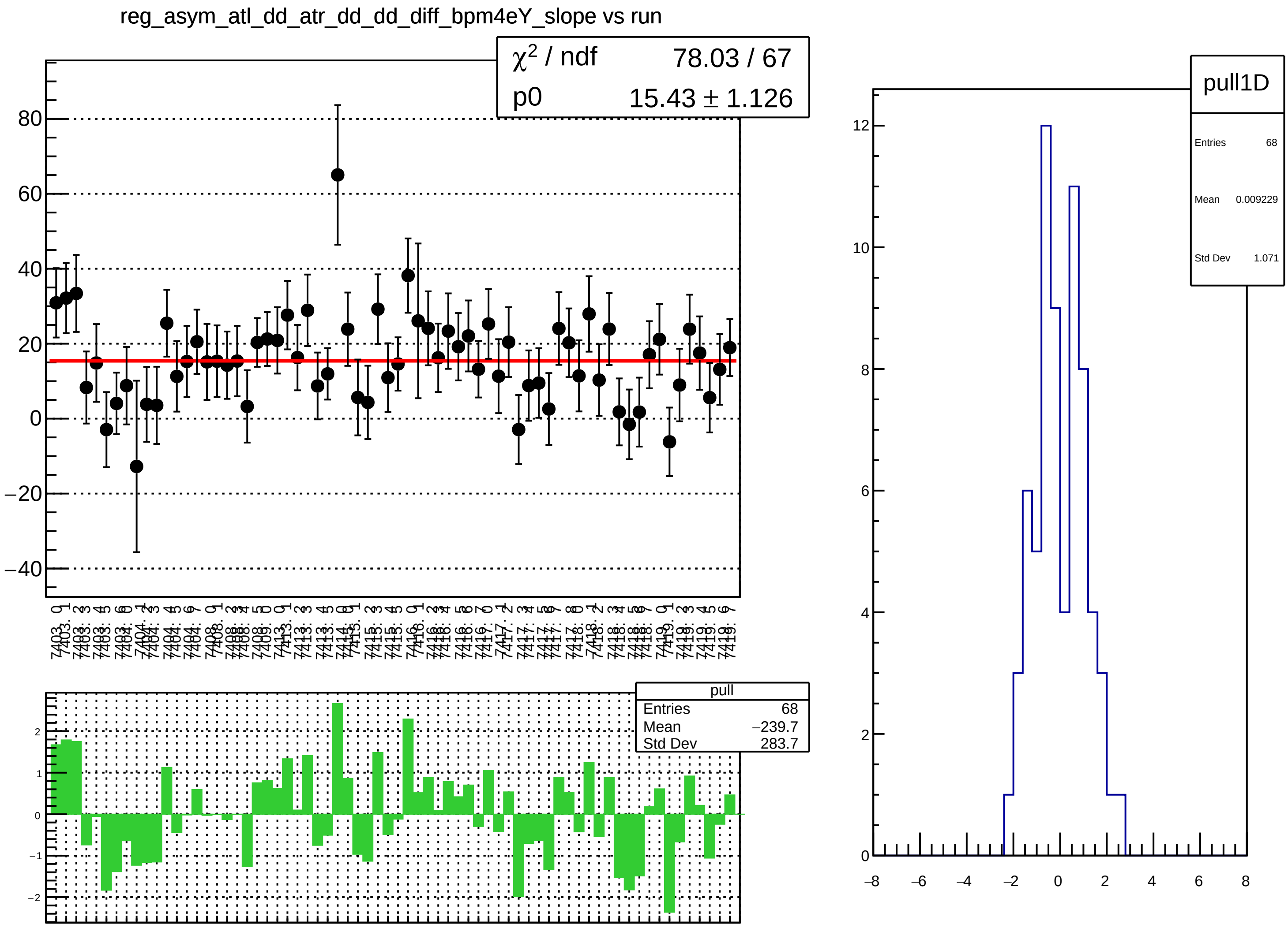
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.27 / 67
p0 114.9 ± 0.1647
pull
Entries 68
Mean −420.3
Std Dev 449.2
pull1D
Entries 68
Mean −0.0149
Std Dev 0.5848


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 88.9 / 67
p0 17.88 ± 1.043
pull
Entries 68
Mean −23.58
Std Dev 37.68
pull1D
Entries 68
Mean −0.07381
Std Dev 1.141

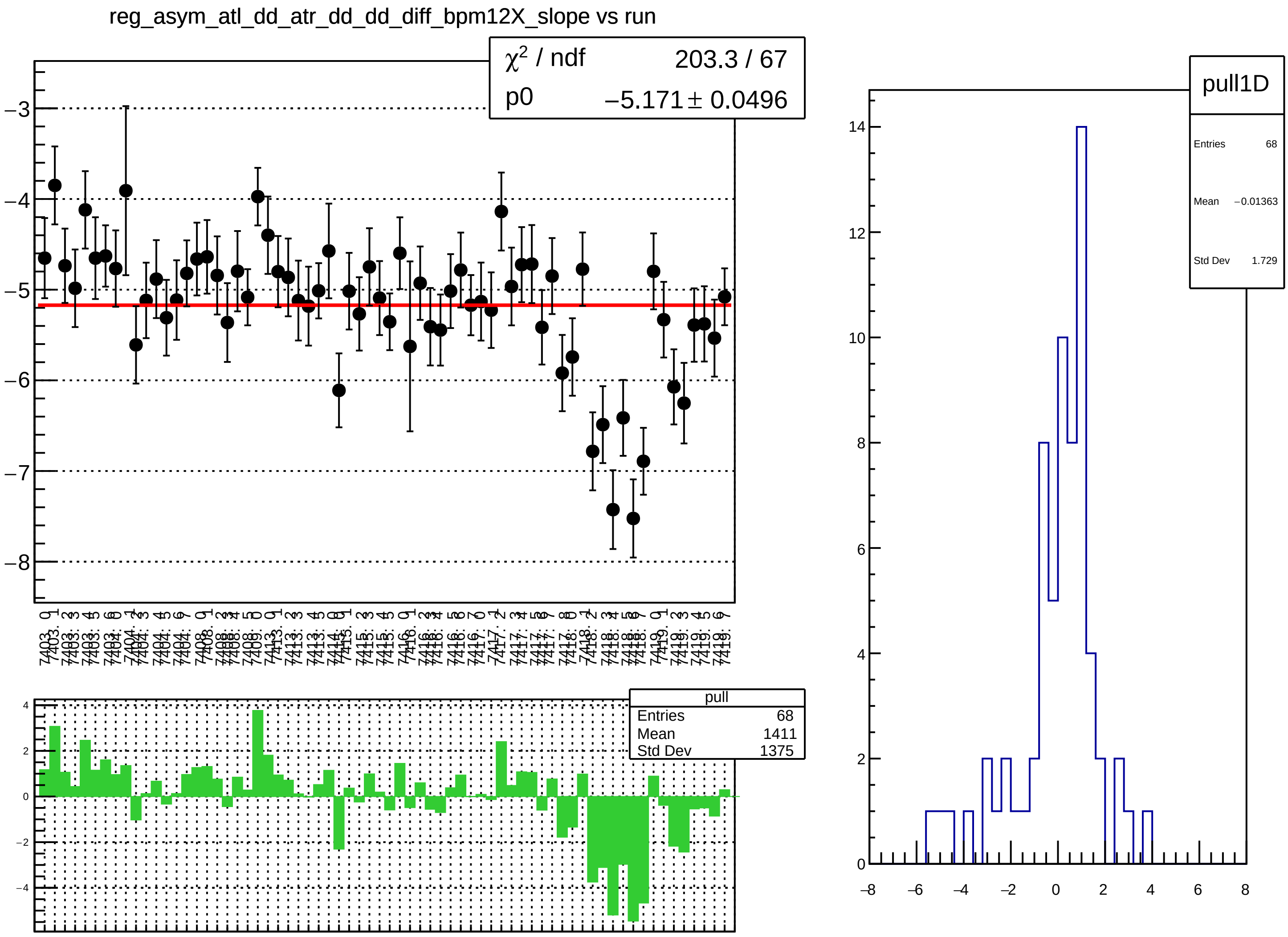

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 74.23 / 67
p0 −12.77 ± 1.066
pull
Entries 68
Mean −152.8
Std Dev 197.6
pull1D
Entries 68
Mean −0.01312
Std Dev 1.045



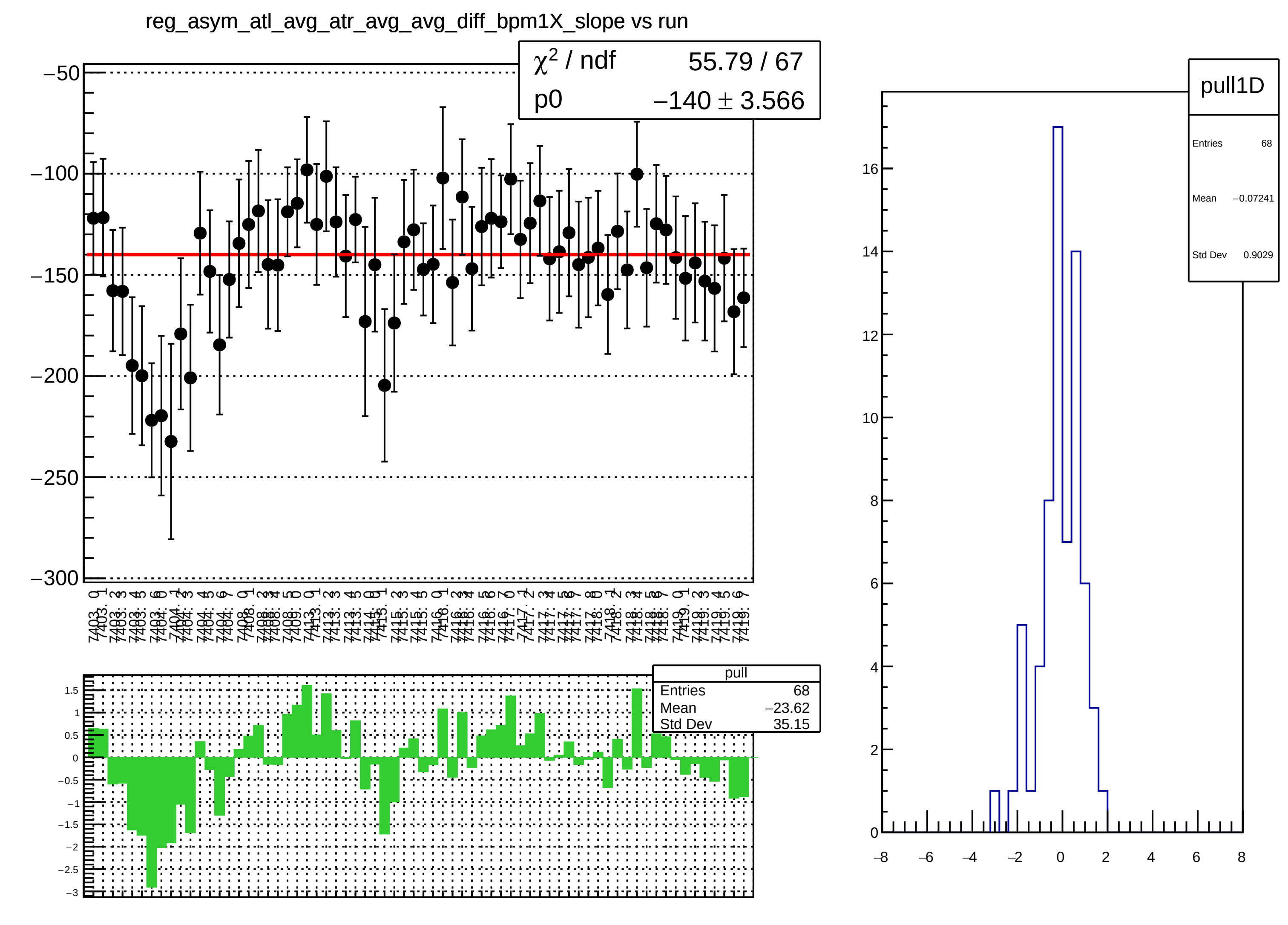
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 91.58 / 67
p0 41.71 ± 1.084
pull
Entries 68
Mean −22.71
Std Dev 38.52
pull1D
Entries 68
Mean 0.07756
Std Dev 1.158

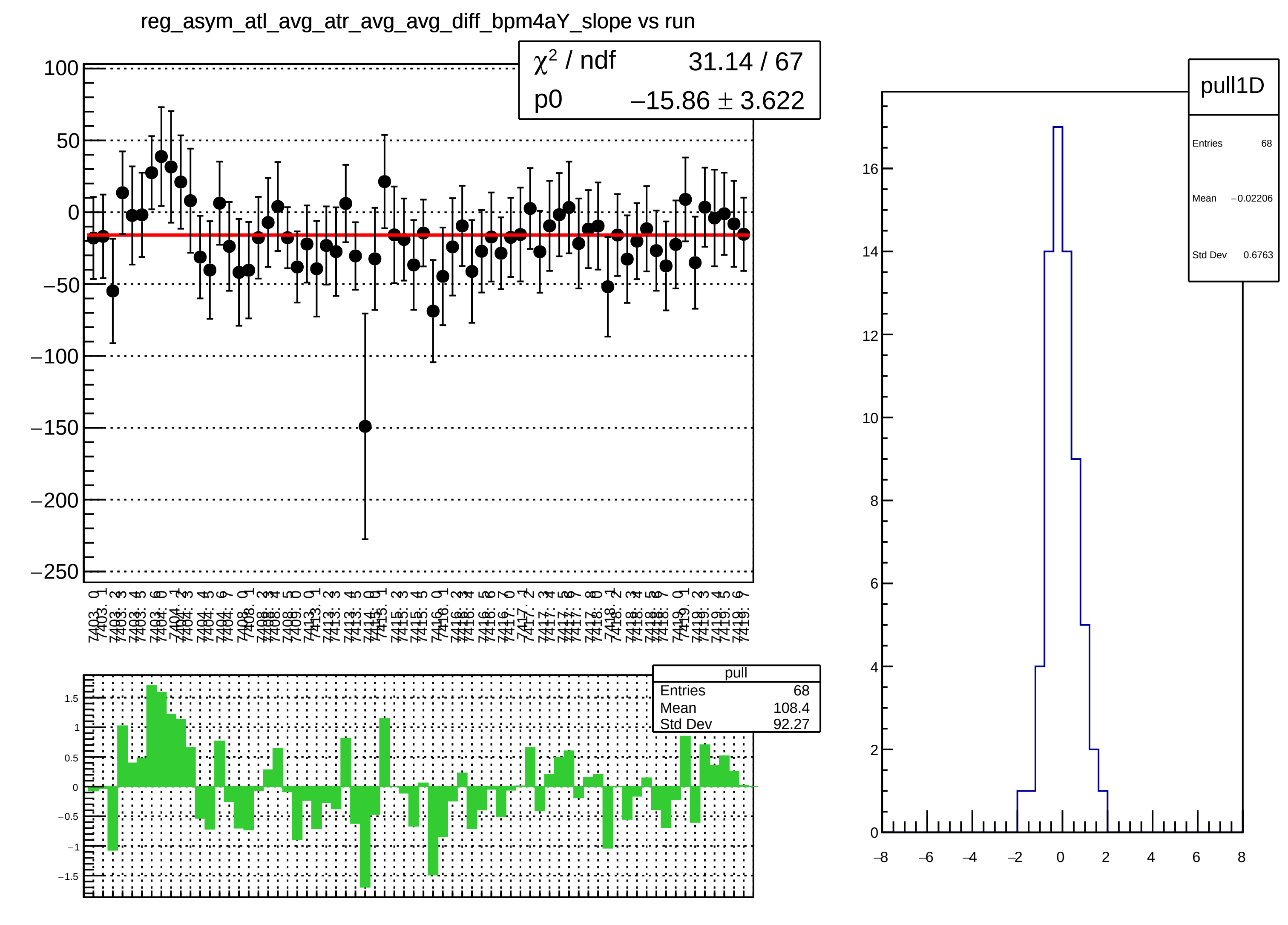


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ2 / ndf 78.03 / 67
p0 15.43 ± 1.126
pull
Entries 68
Mean −239.7
Std Dev 283.7
pull1D
Entries 68
Mean 0.009229
Std Dev 1.071

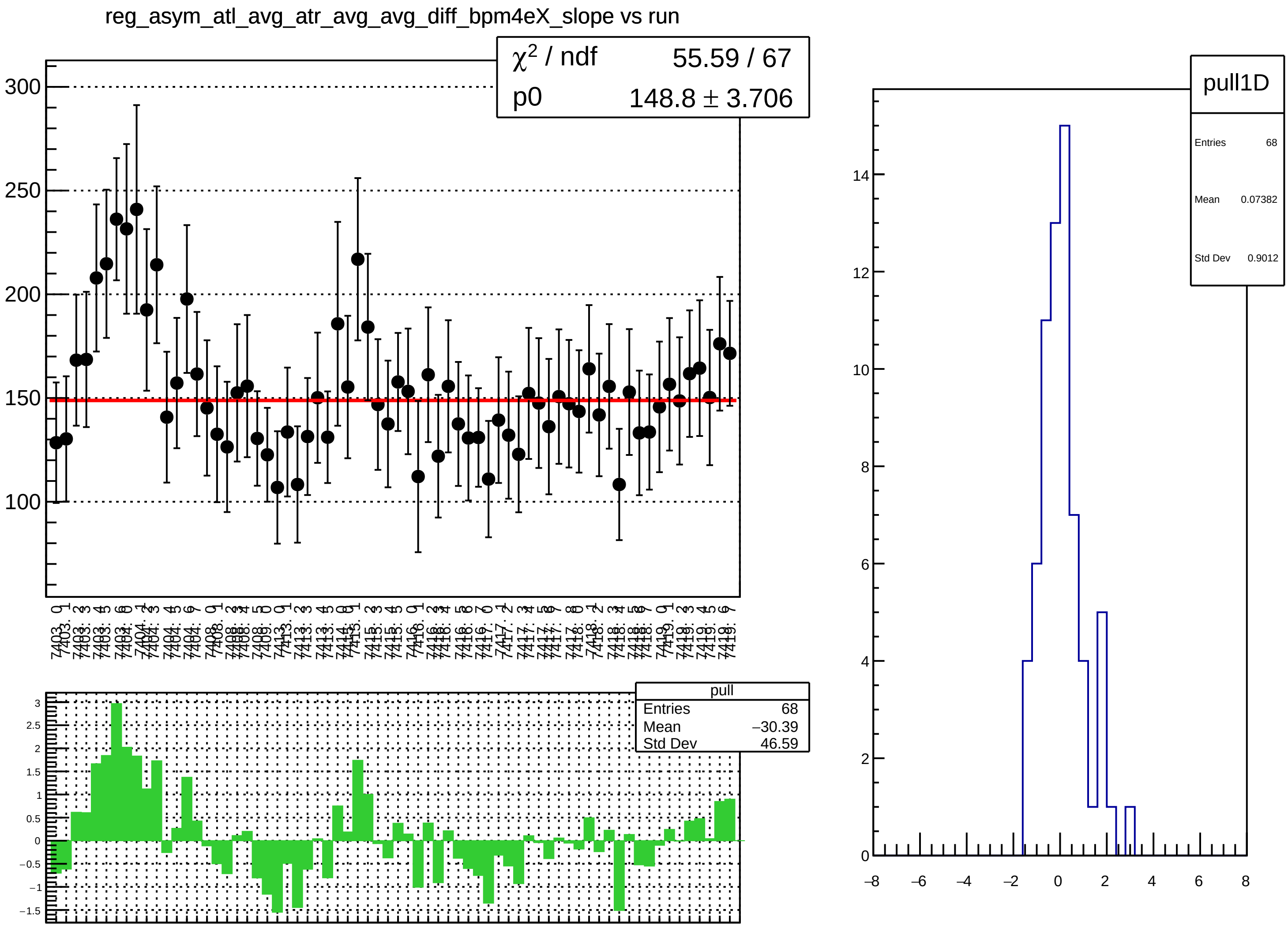


reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 203.3 / 67
p0 −5.171 ± 0.0496
pull
Entries 68
Mean 1411
Std Dev 1375
pull1D
Entries 68
Mean −0.01363
Std Dev 1.729

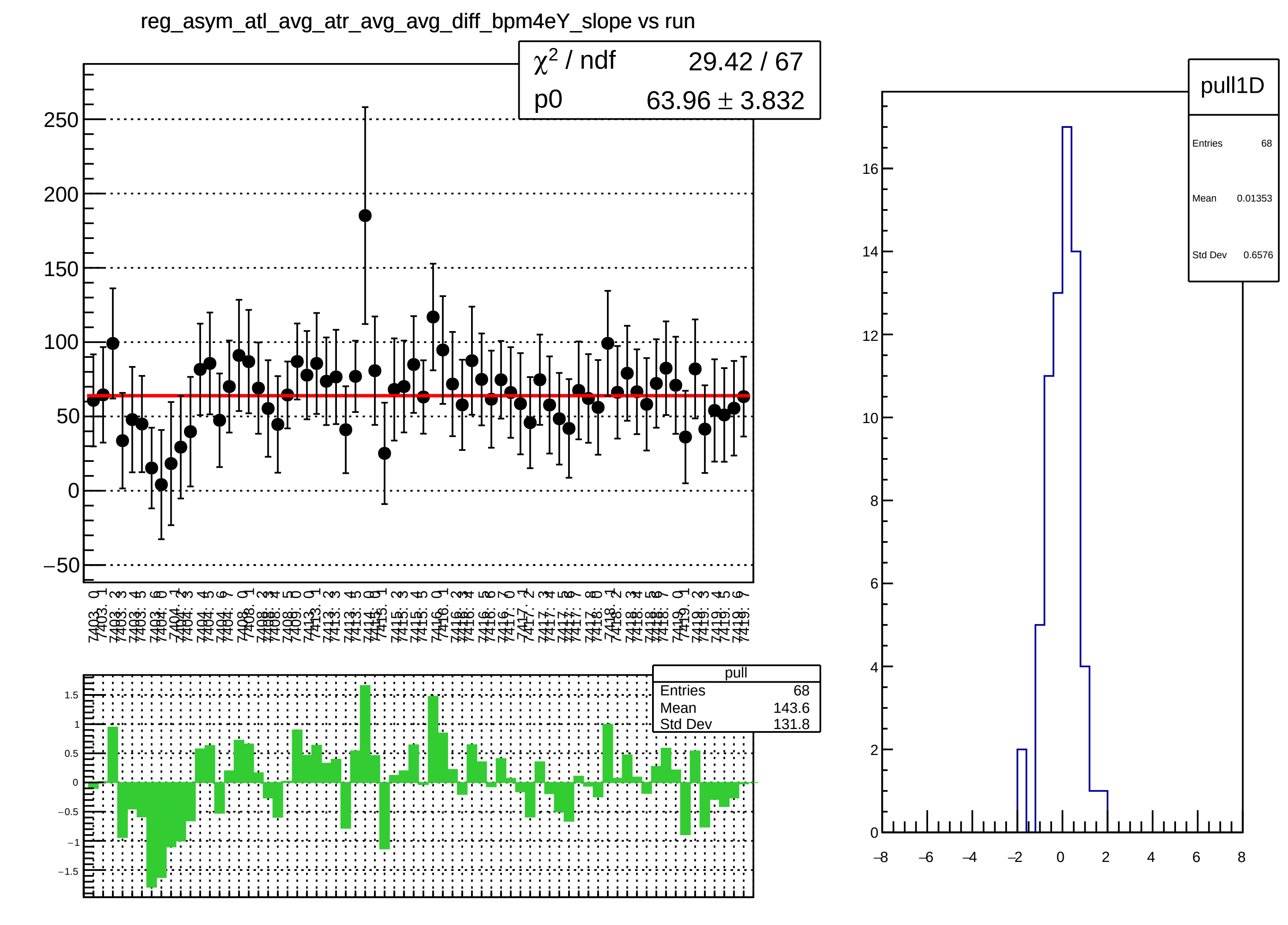

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ2 / ndf 55.79 / 67
p0 −140 ± 3.566
pull
Entries 68
Mean −23.62
Std Dev 35.15
pull1D
Entries 68
Mean −0.07241
Std Dev 0.9029



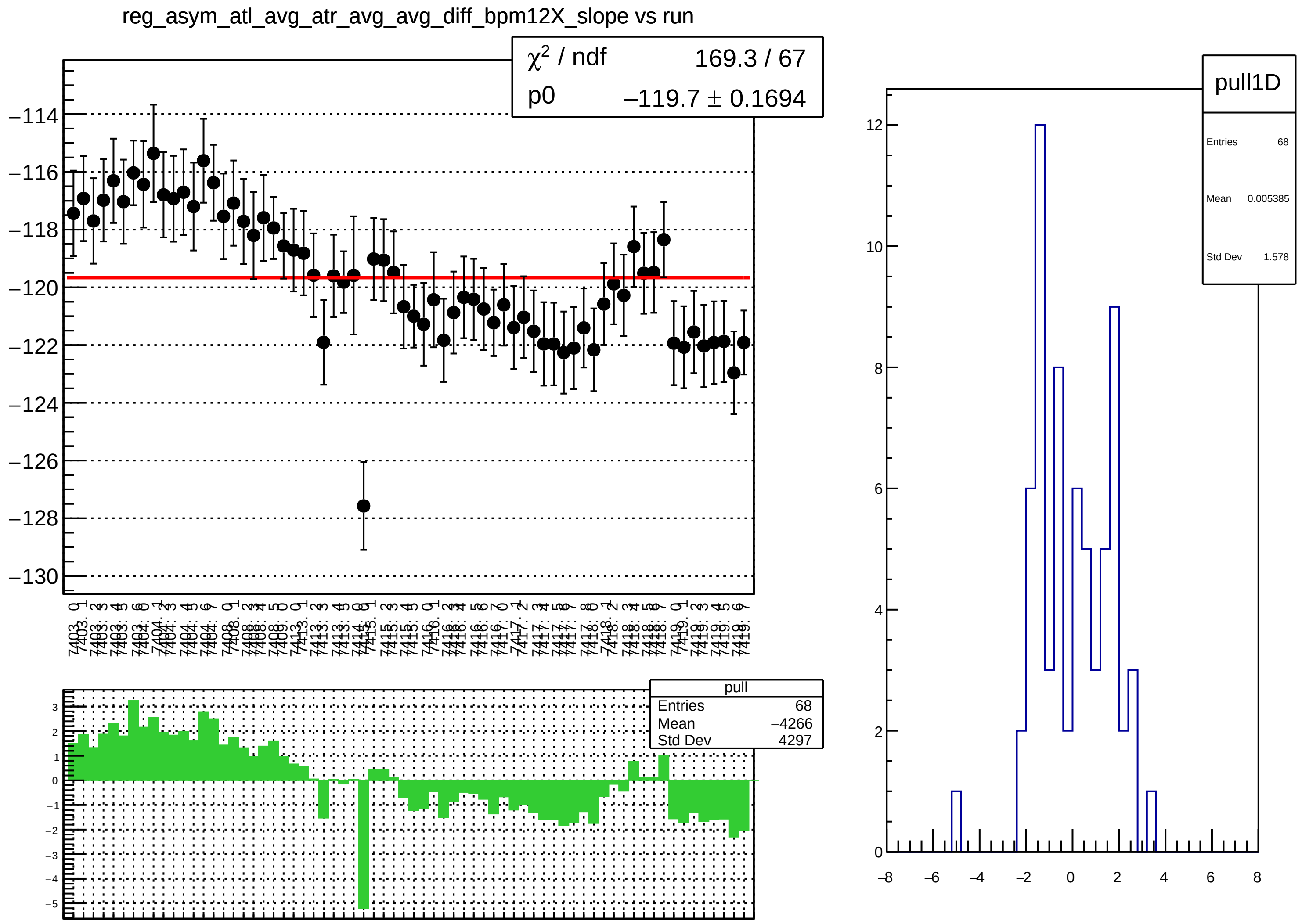
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 31.14 / 67
p0 −15.86 ± 3.622
pull
Entries 68
Mean 108.4
Std Dev 92.27
pull1D
Entries 68
Mean −0.02206
Std Dev 0.6763



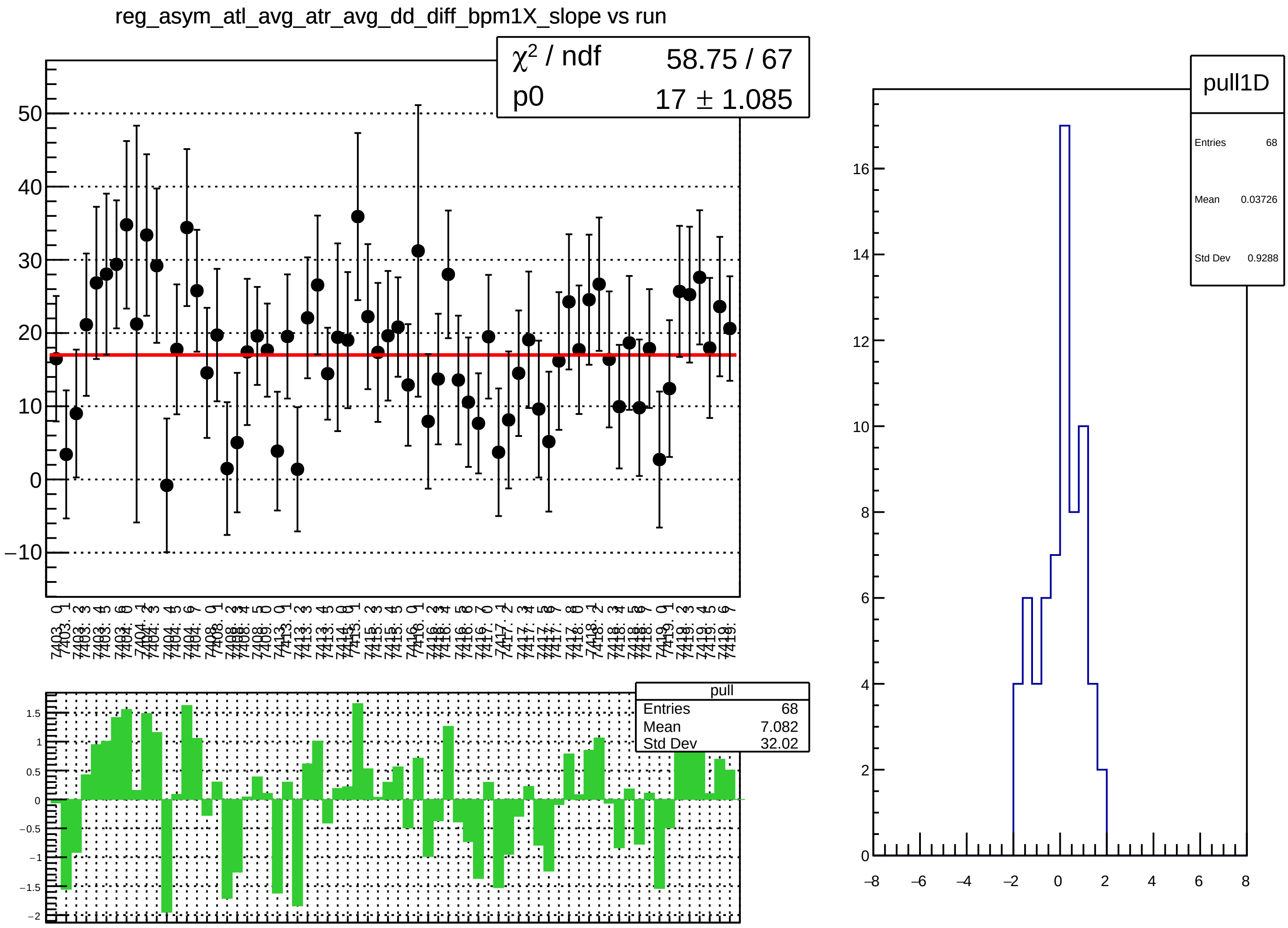
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 55.59 / 67
p0 148.8 ± 3.706
pull
Entries 68
Mean −30.39
Std Dev 46.59
pull1D
Entries 68
Mean 0.07382
Std Dev 0.9012



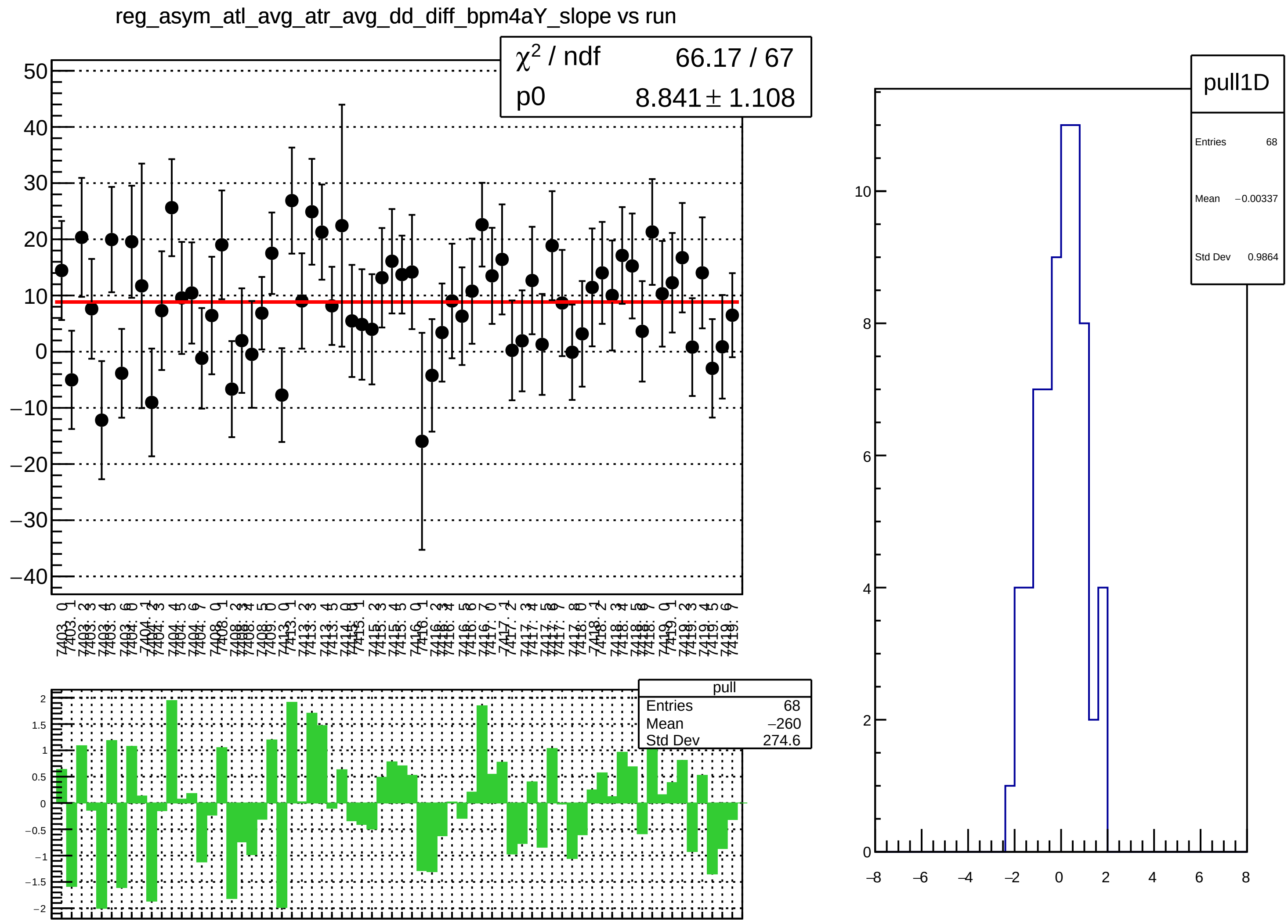
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 29.42 / 67
p0 63.96 ± 3.832
pull
Entries 68
Mean 143.6
Std Dev 131.8
pull1D
Entries 68
Mean 0.01353
Std Dev 0.6576



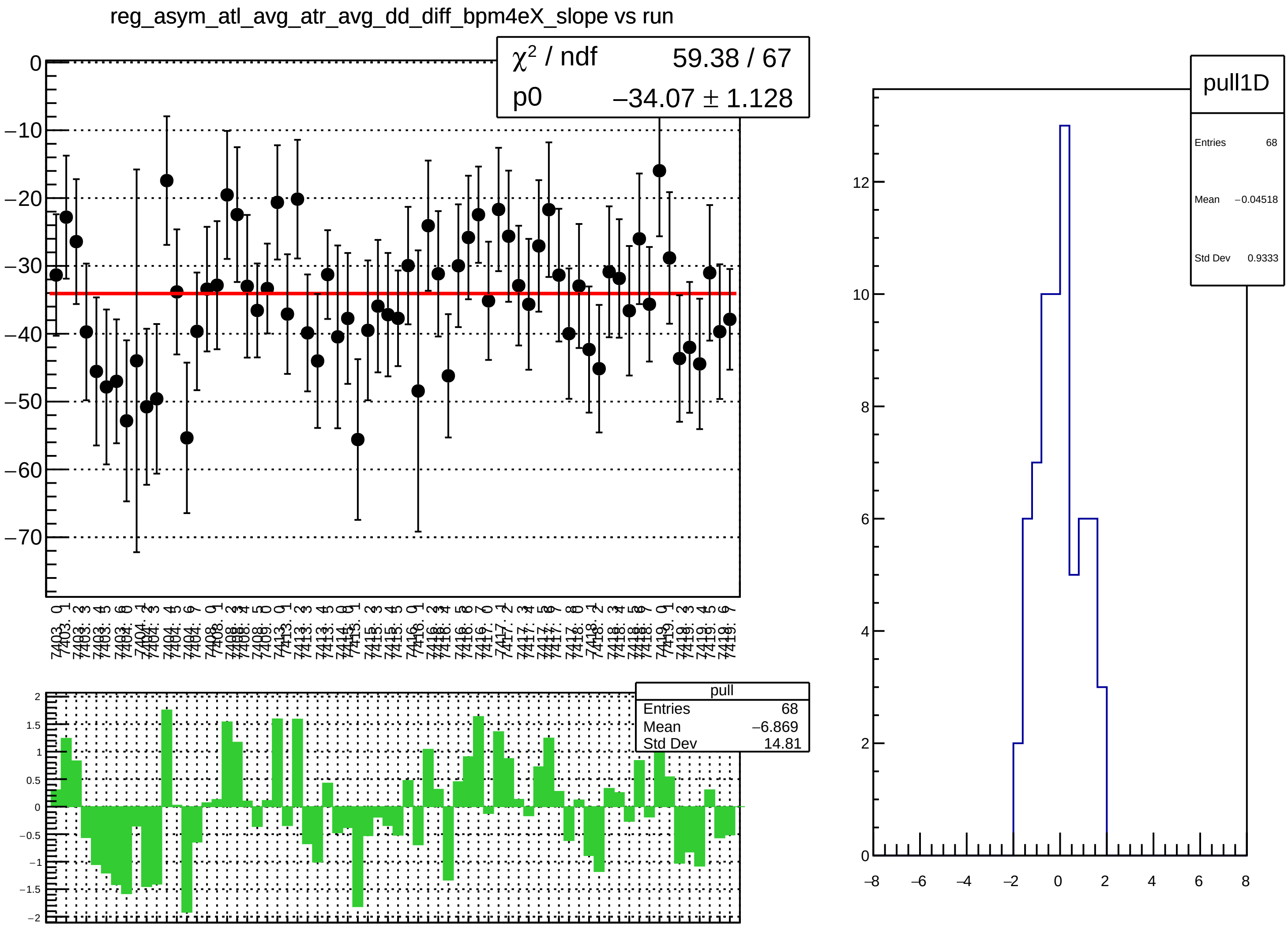
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 169.3 / 67
p0 −119.7 ± 0.1694
pull
Entries 68
Mean −4266
Std Dev 4297
pull1D
Entries 68
Mean 0.005385
Std Dev 1.578



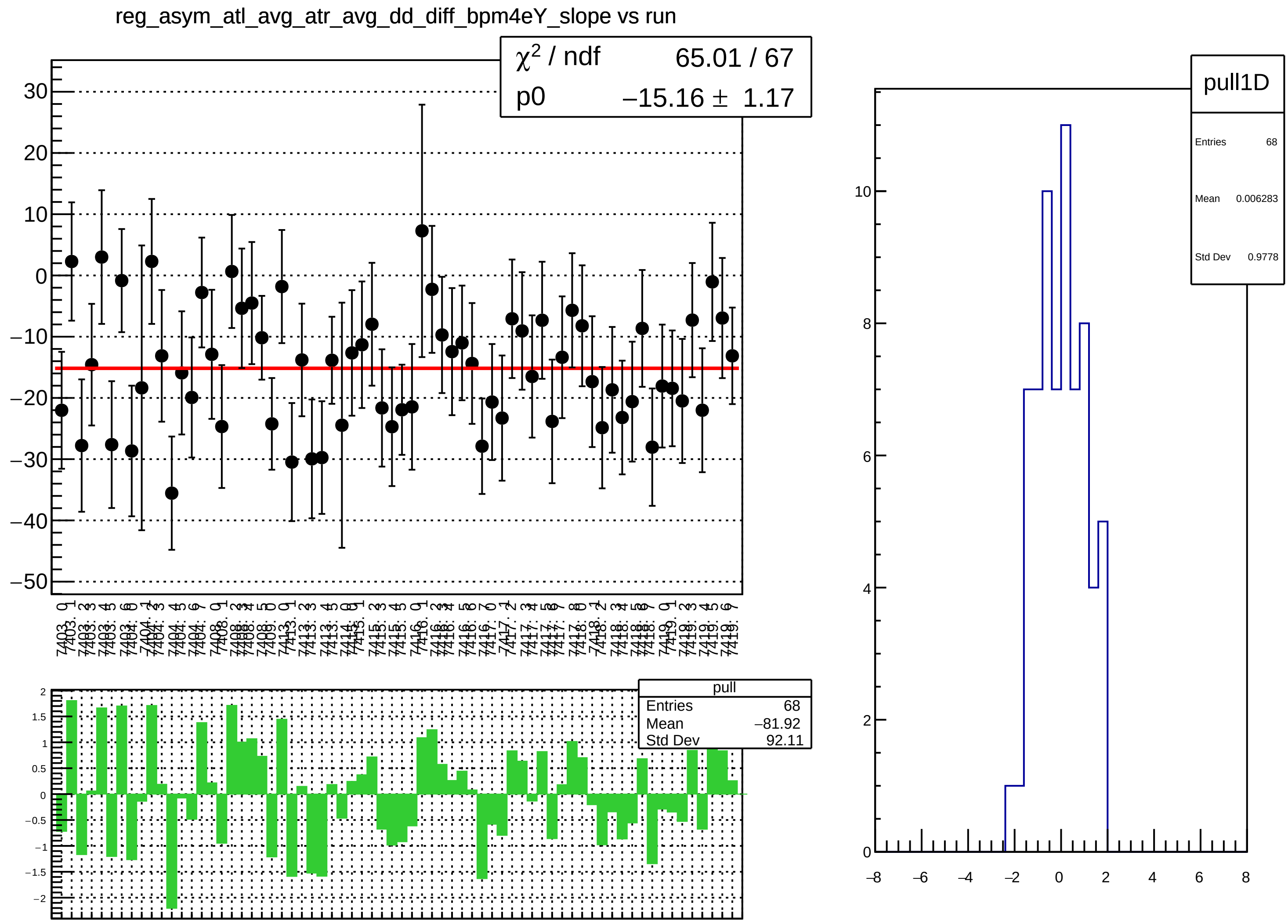
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 58.75 / 67
p0 17 ± 1.085
pull
Entries 68
Mean 7.082
Std Dev 32.02
pull1D
Entries 68
Mean 0.03726
Std Dev 0.9288



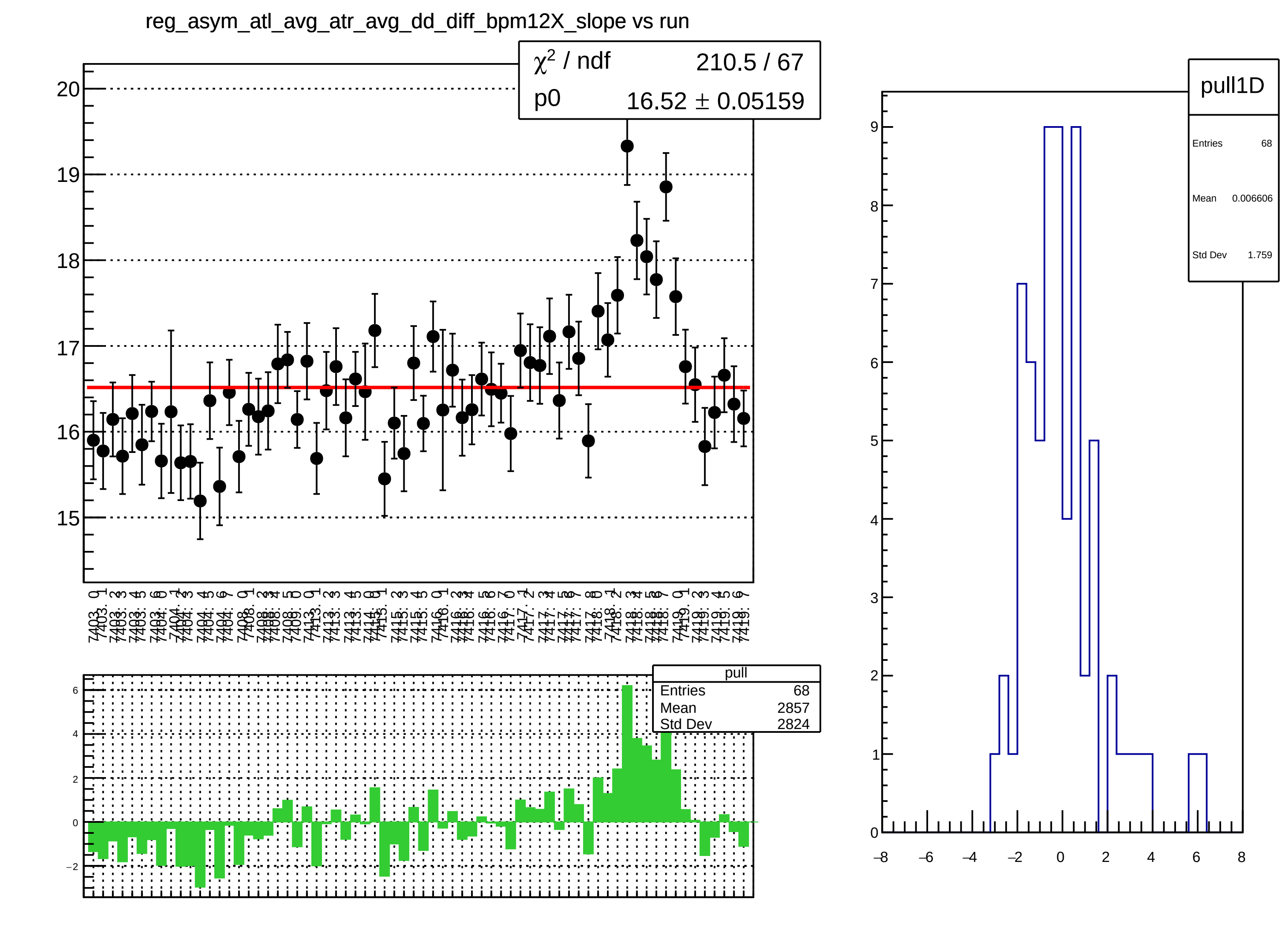
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ2 / ndf 66.17 / 67
p0 8.841 ± 1.108
pull
Entries 68
Mean −260
Std Dev 274.6
pull1D
Entries 68
Mean −0.00337
Std Dev 0.9864

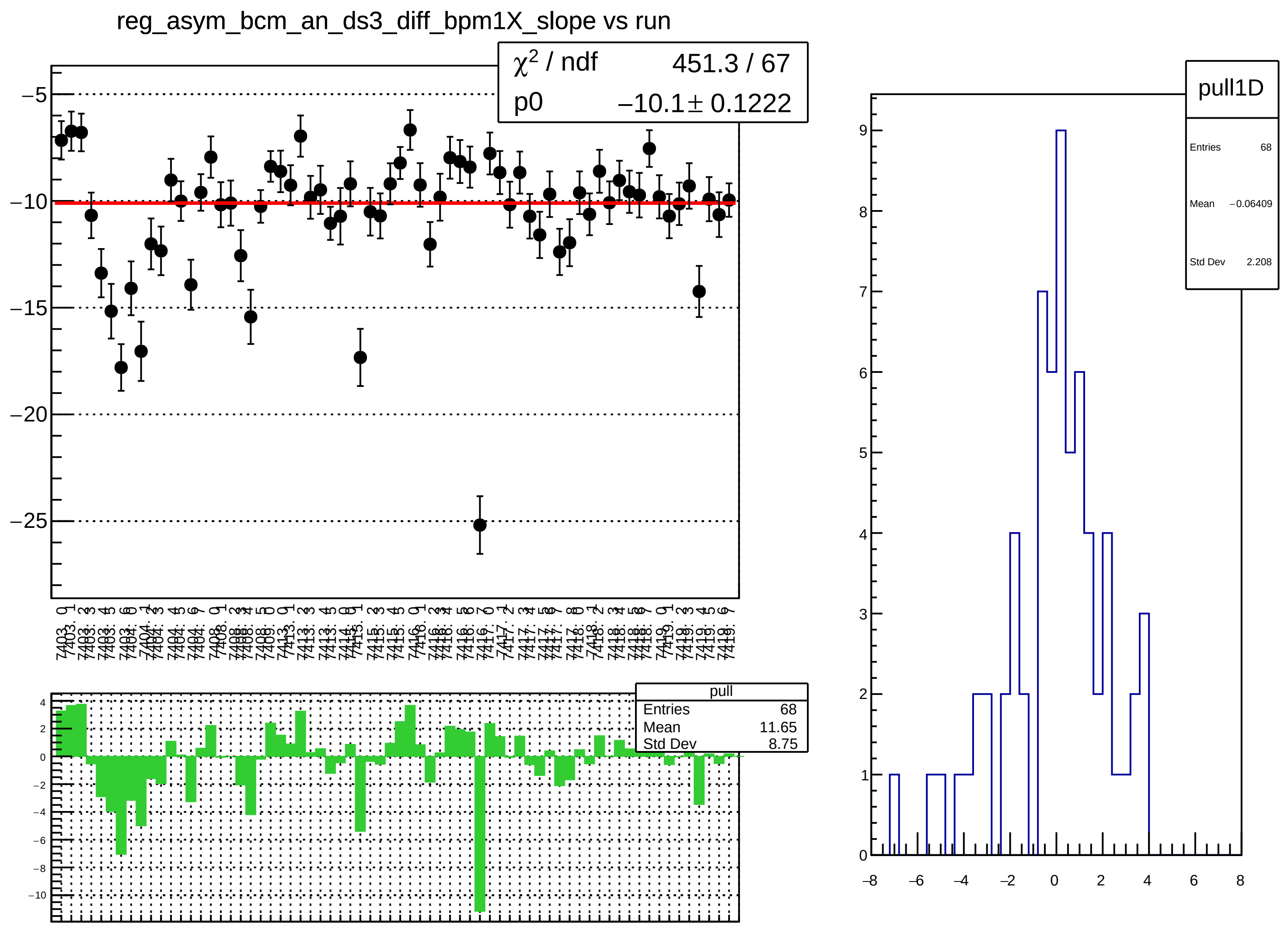


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 59.38 / 67
p0 −34.07 ± 1.128
pull
Entries 68
Mean −6.869
Std Dev 14.81
pull1D
Entries 68
Mean −0.04518
Std Dev 0.9333

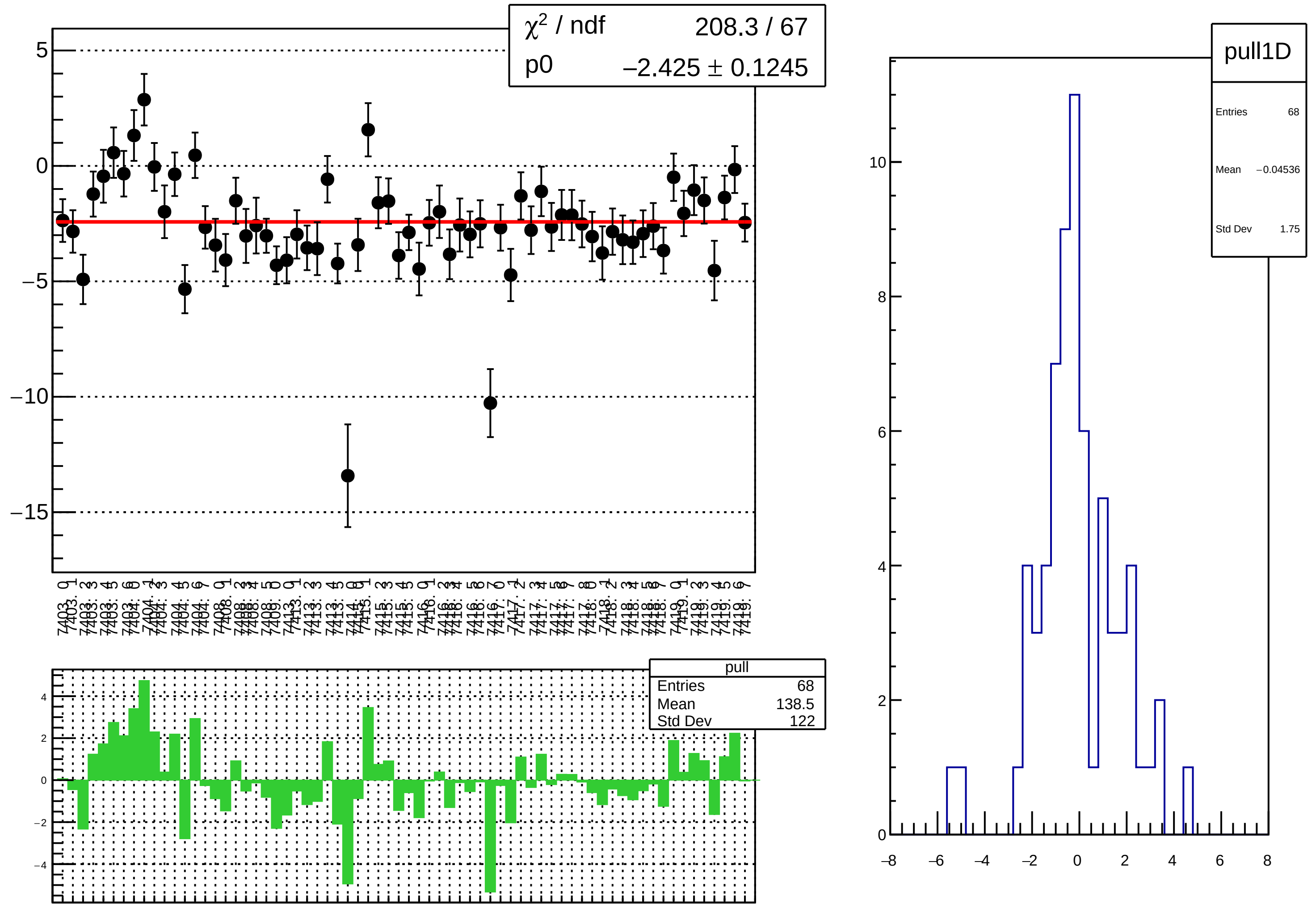


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 65.01 / 67
p0 −15.16 ± 1.17
pull
Entries 68
Mean −81.92
Std Dev 92.11
pull1D
Entries 68
Mean 0.006283
Std Dev 0.9778

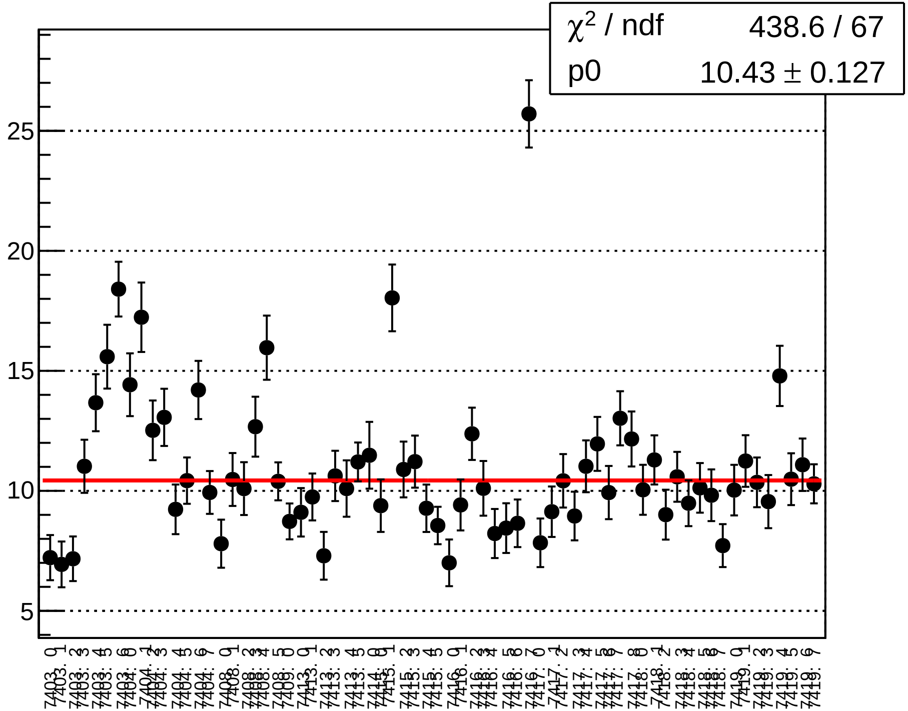

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 210.5 / 67
p0 16.52 ± 0.05159
pull
Entries 68
Mean 2857
Std Dev 2824
pull1D
Entries 68
Mean 0.006606
Std Dev 1.759

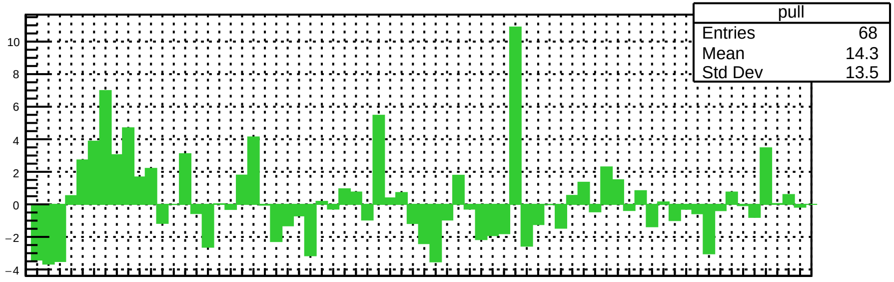

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 451.3 / 67
p0 −10.1 ± 0.1222
pull
Entries 68
Mean 11.65
Std Dev 8.75
pull1D
Entries 68
Mean −0.06409
Std Dev 2.208

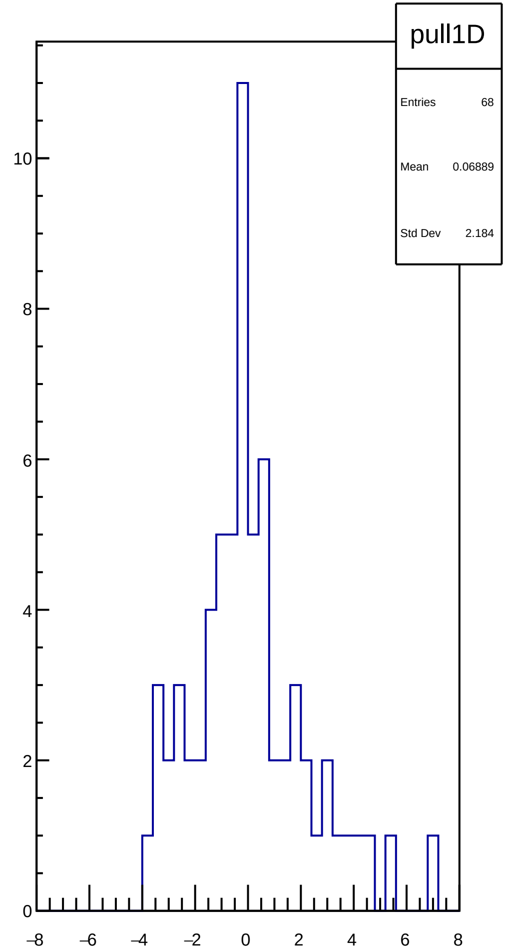
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run

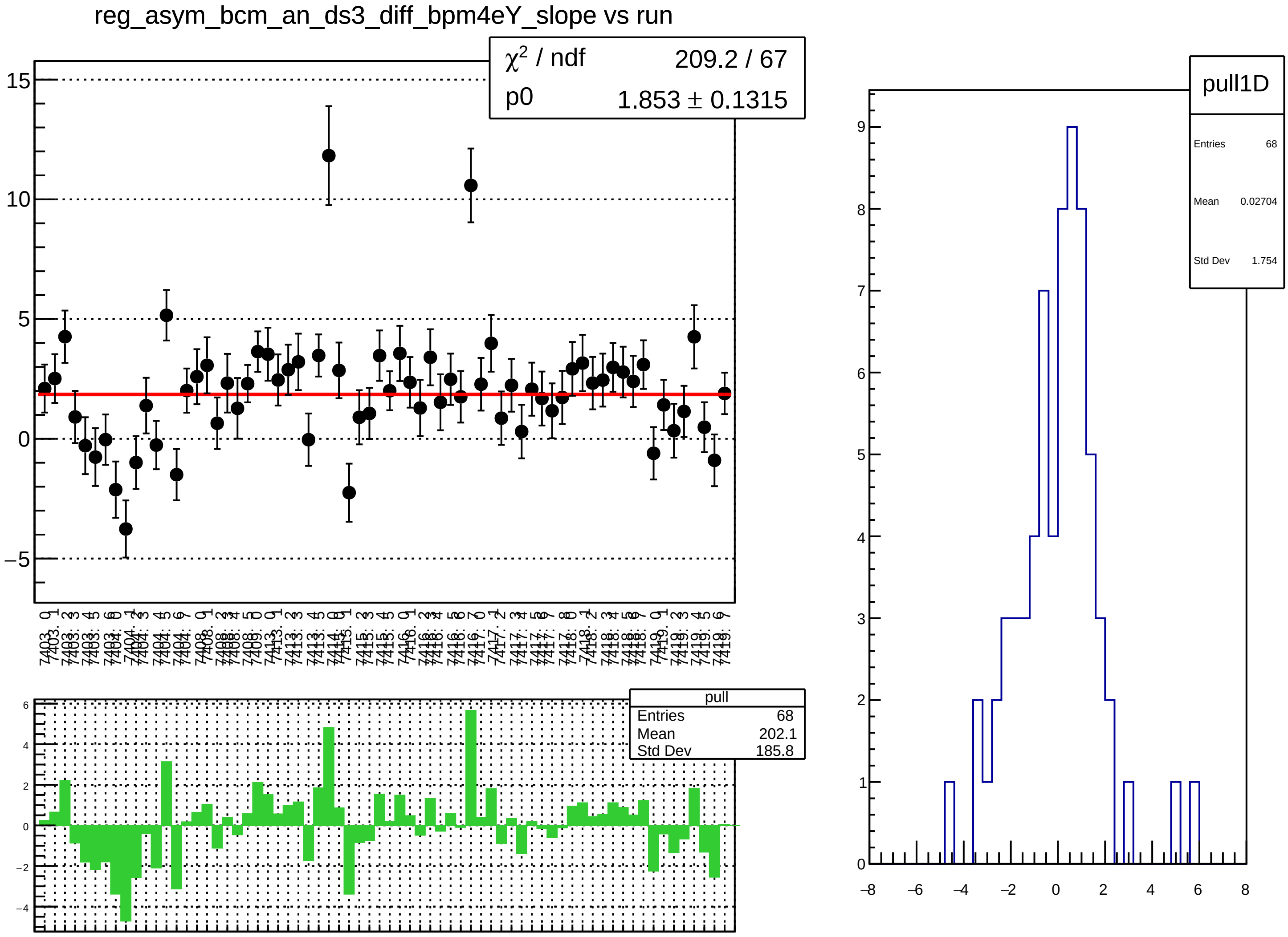


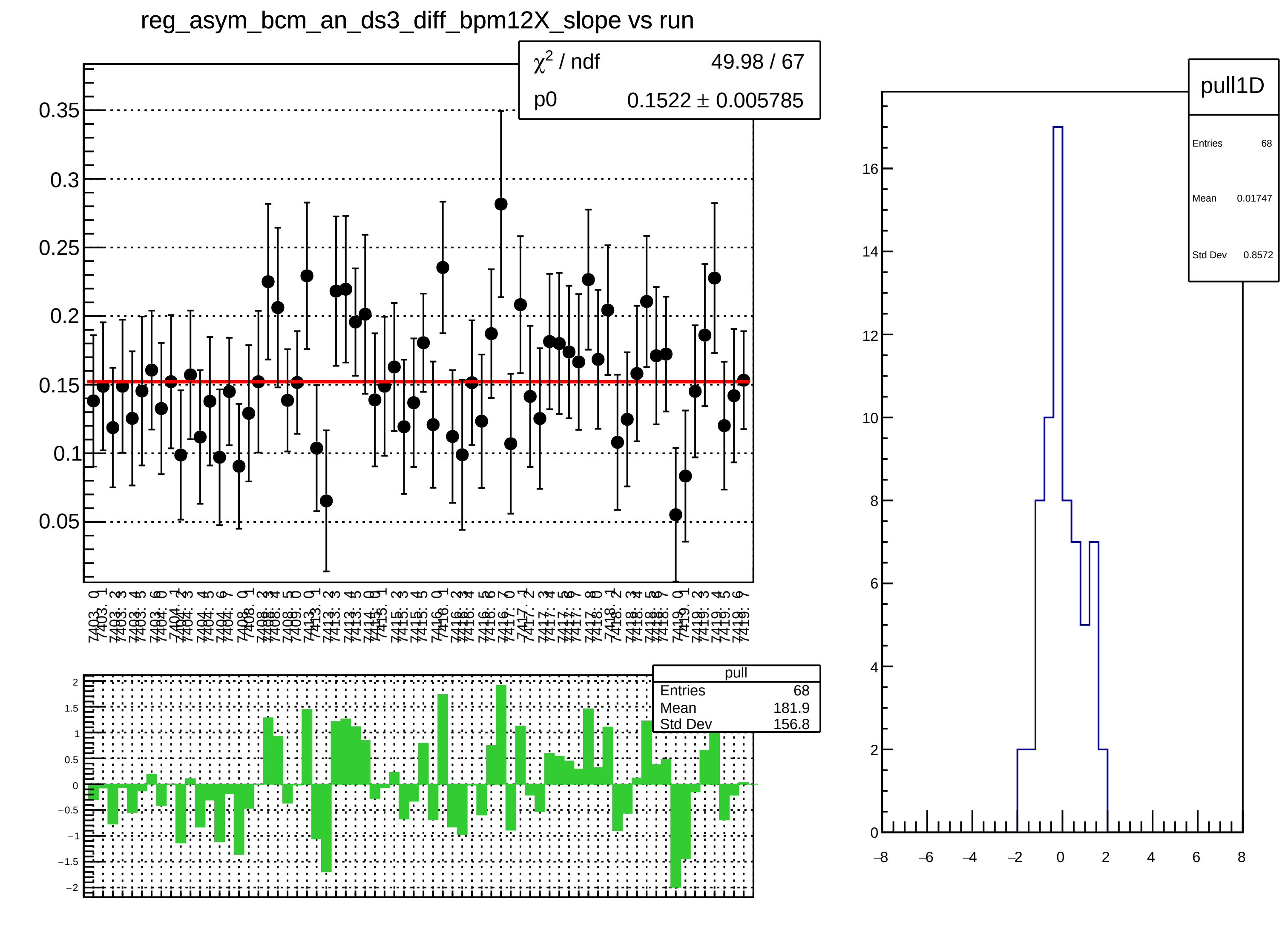
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run

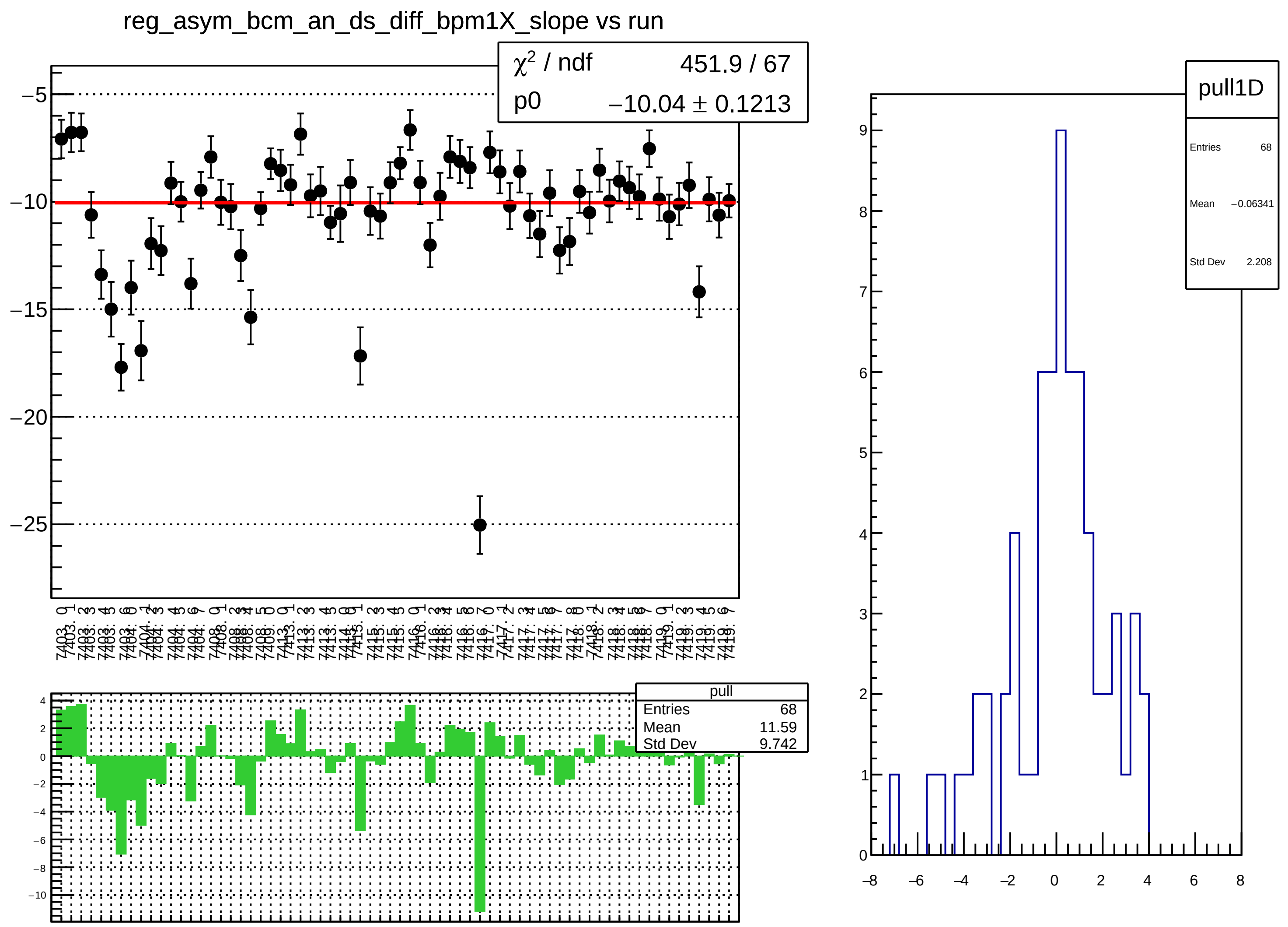


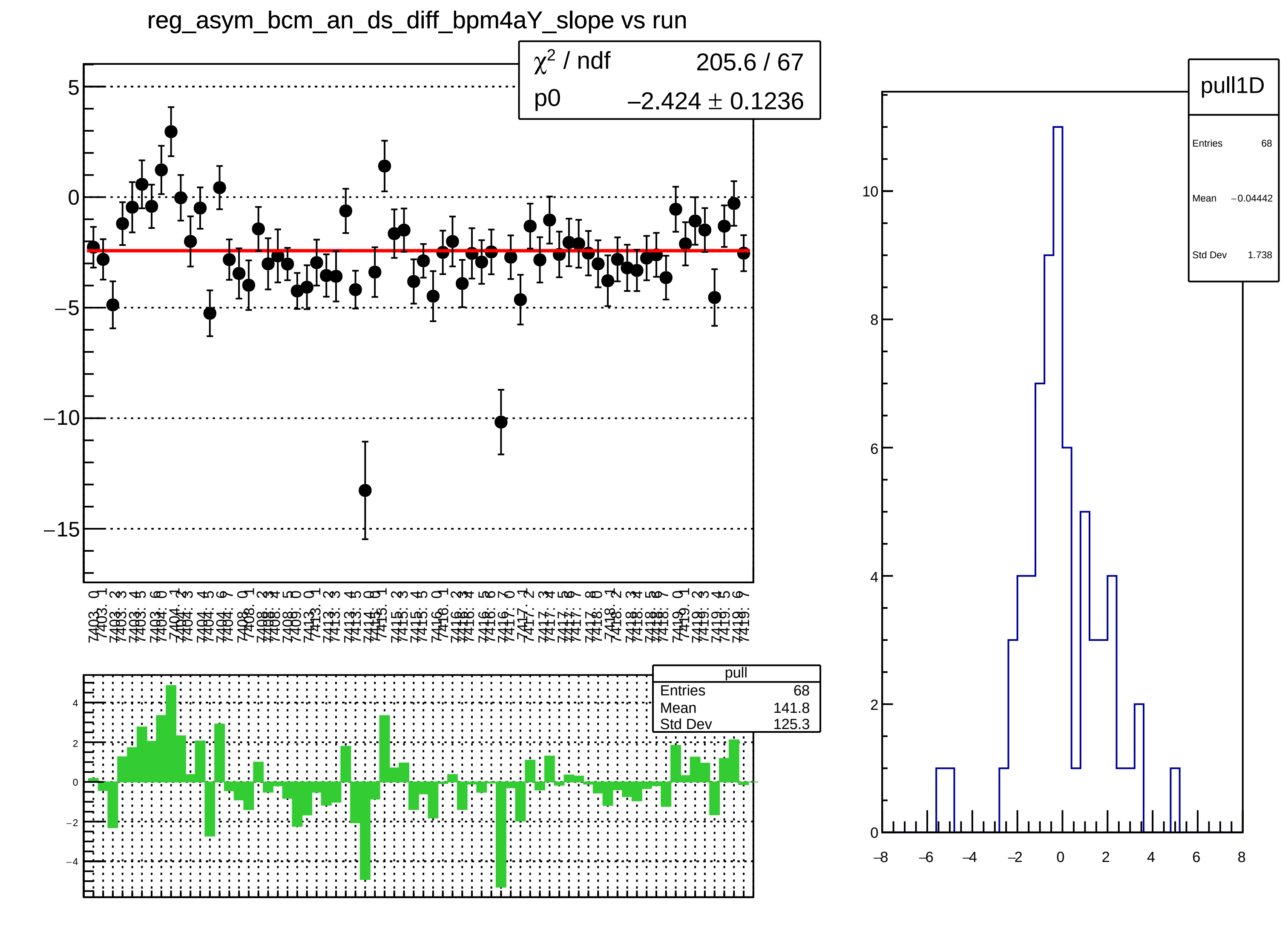


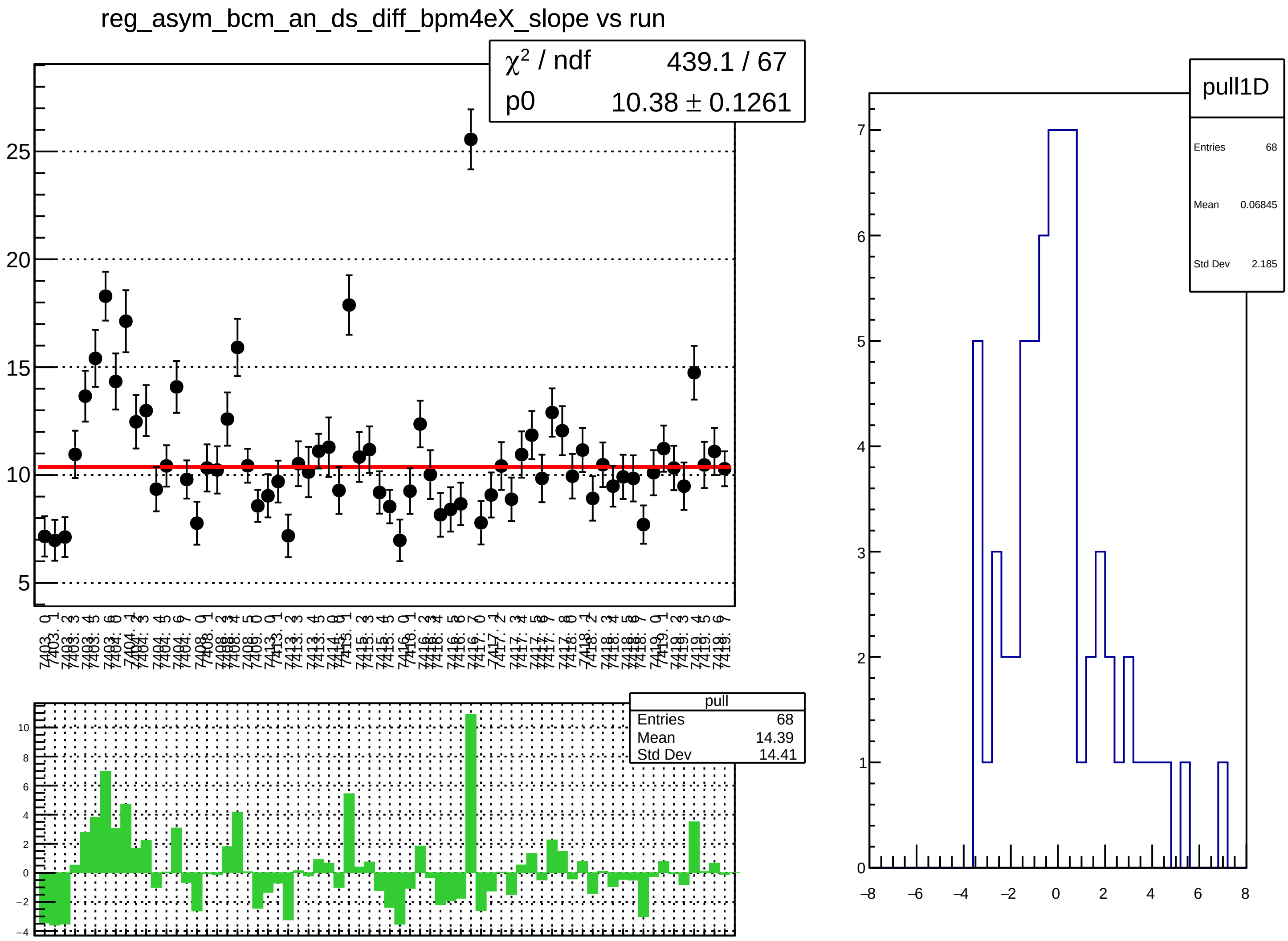



reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 209.2 / 67
p0 1.853 ± 0.1315
pull
Entries 68
Mean 202.1
Std Dev 185.8
pull1D
Entries 68
Mean 0.02704
Std Dev 1.754

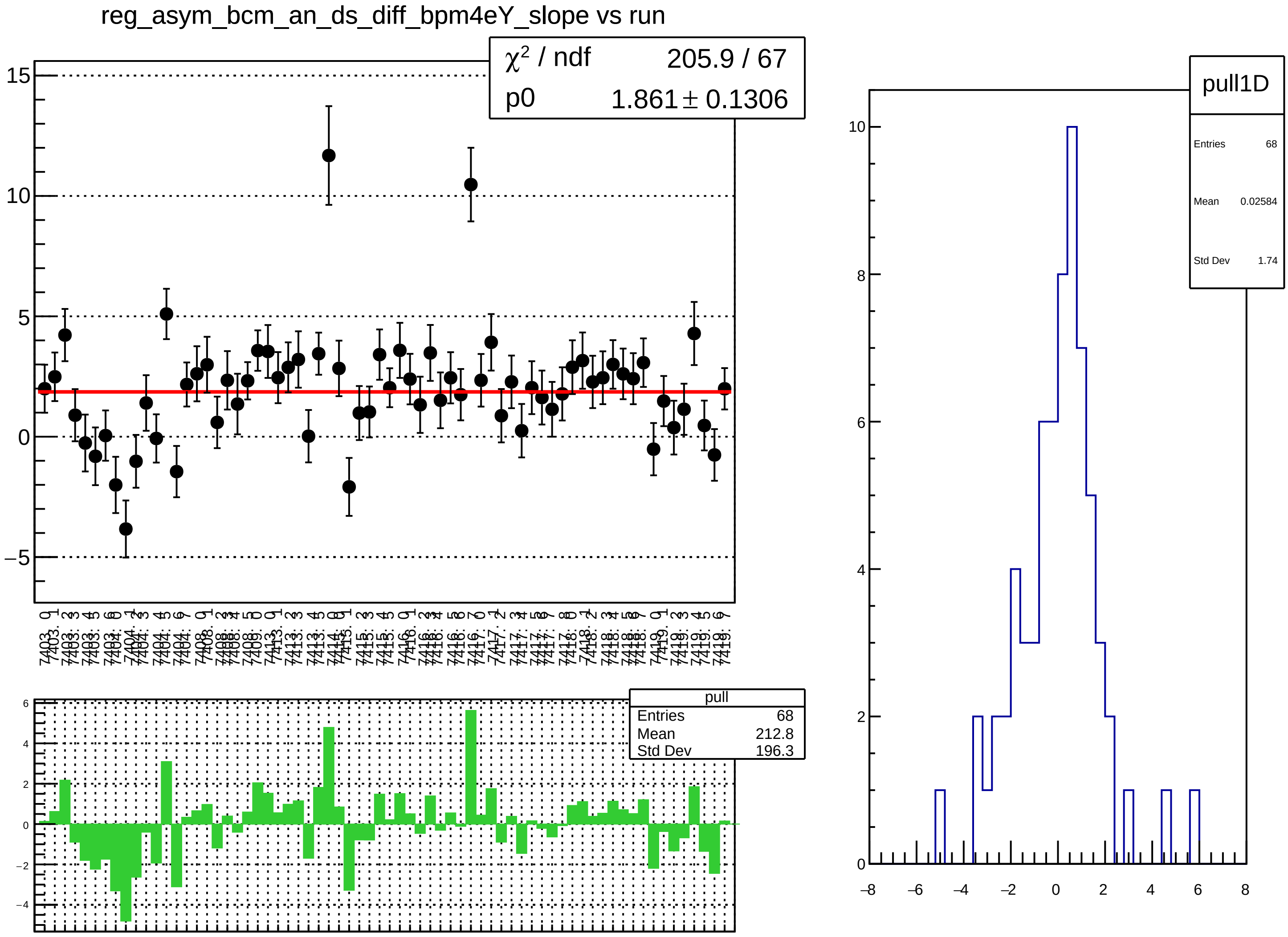

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 49.98 / 67
p0 0.1522 ± 0.005785
pull
Entries 68
Mean 181.9
Std Dev 156.8
pull1D
Entries 68
Mean 0.01747
Std Dev 0.8572


reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 451.9 / 67
p0 −10.04 ± 0.1213
pull
Entries 68
Mean 11.59
Std Dev 9.742
pull1D
Entries 68
Mean −0.06341
Std Dev 2.208

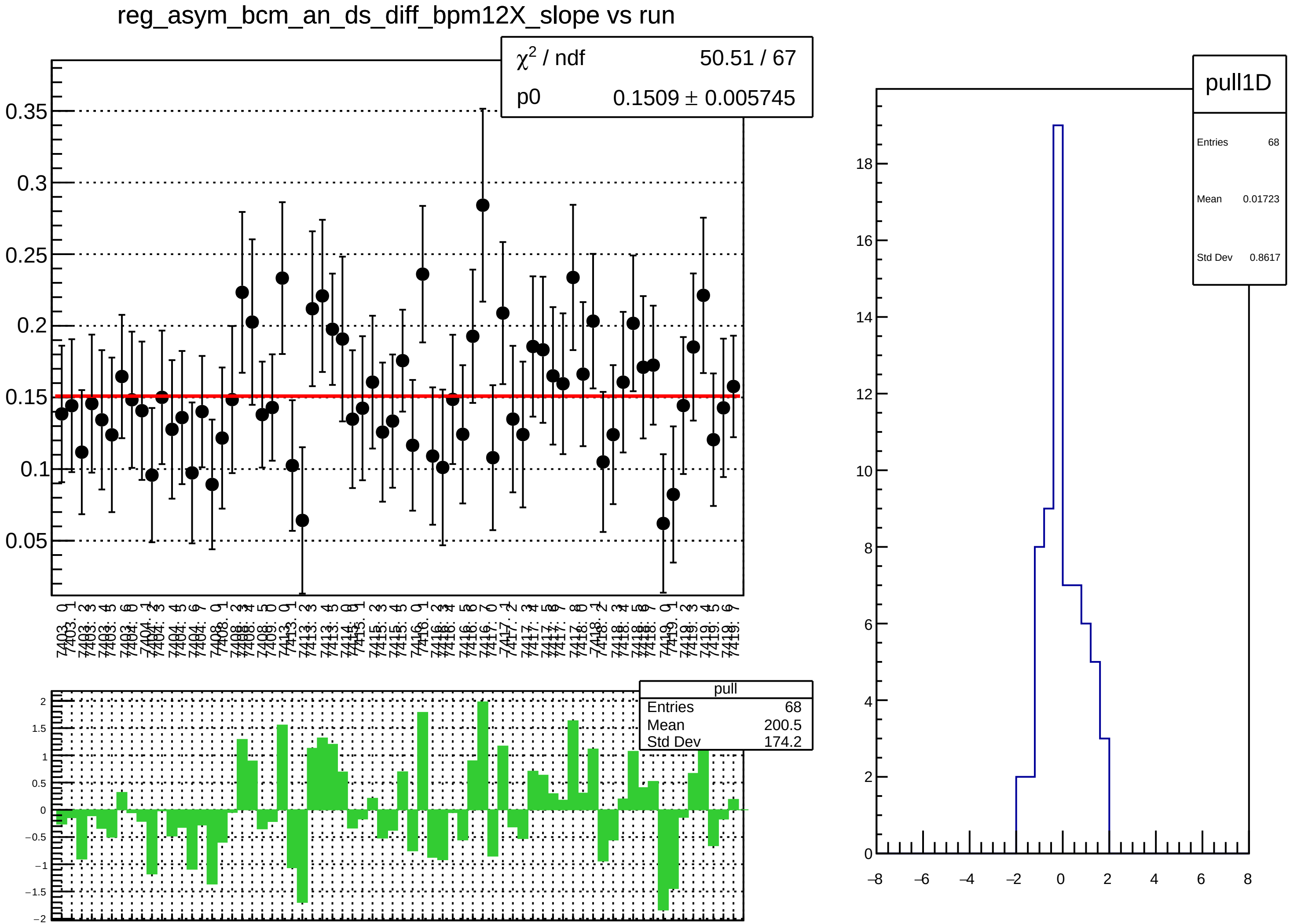

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 205.6 / 67
p0 −2.424 ± 0.1236
pull
Entries 68
Mean 141.8
Std Dev 125.3
pull1D
Entries 68
Mean −0.04442
Std Dev 1.738

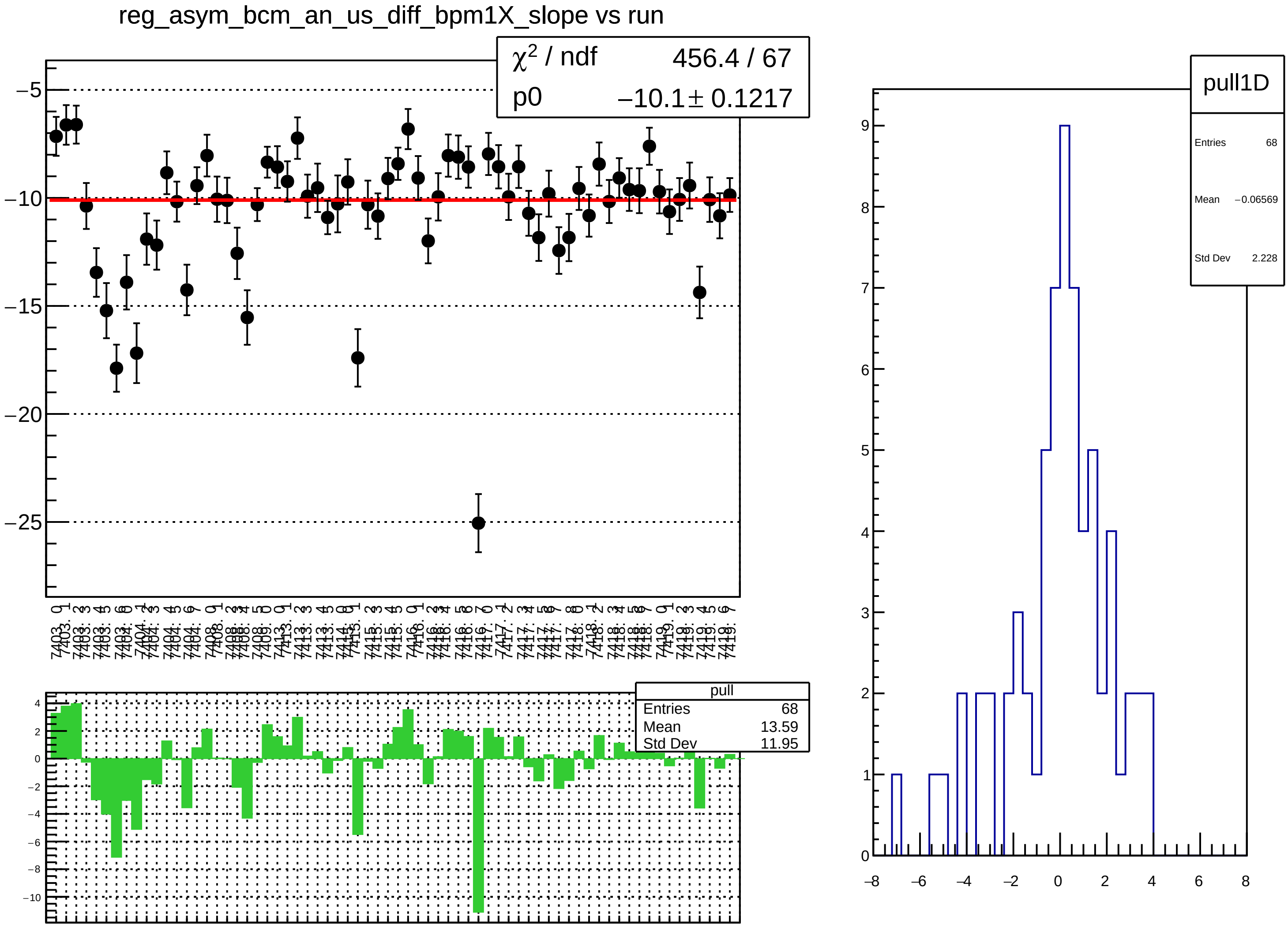


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ2 / ndf 439.1 / 67
p0 10.38 ± 0.1261
pull
Entries 68
Mean 14.39
Std Dev 14.41
pull1D
Entries 68
Mean 0.06845
Std Dev 2.185

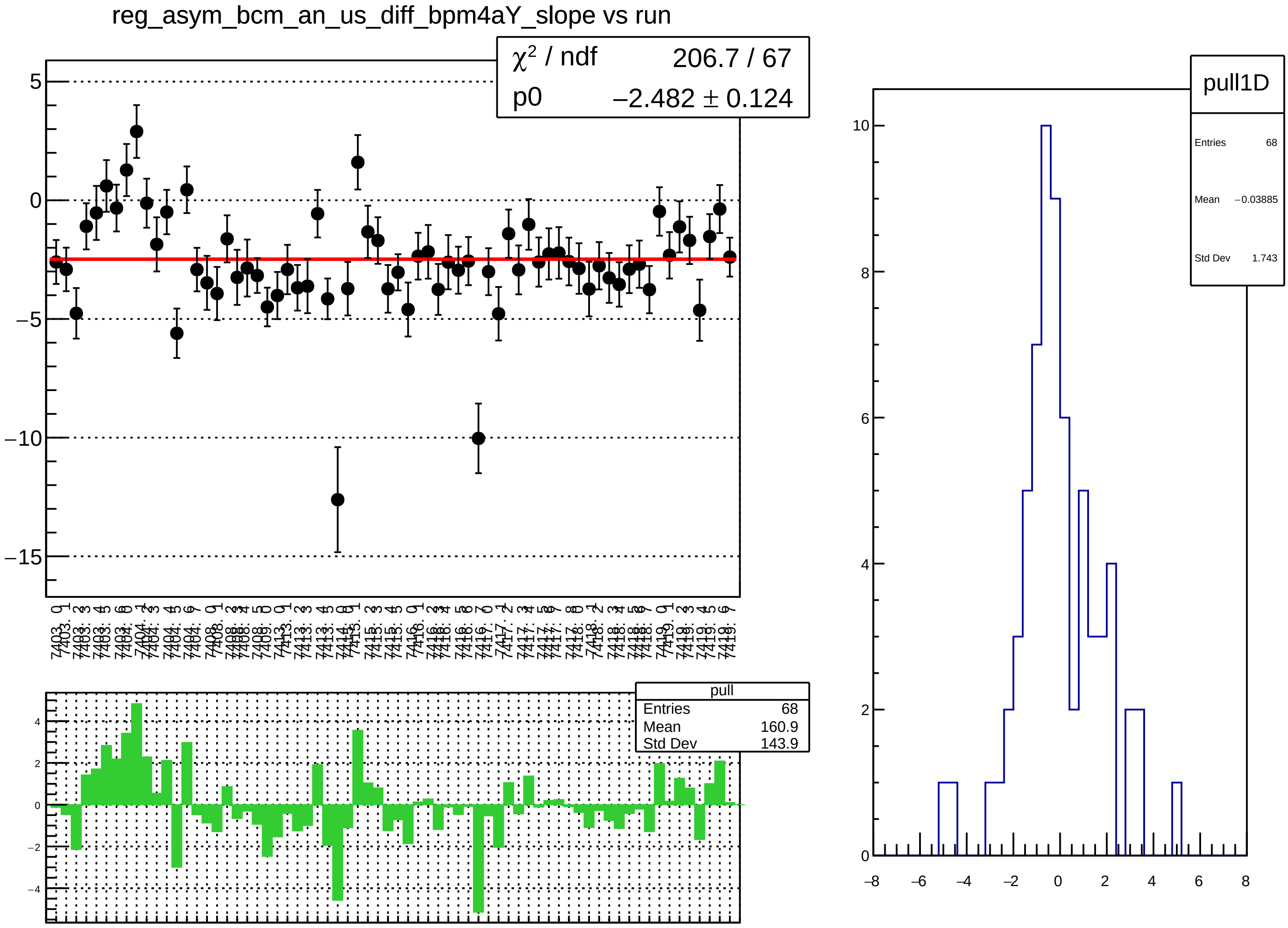


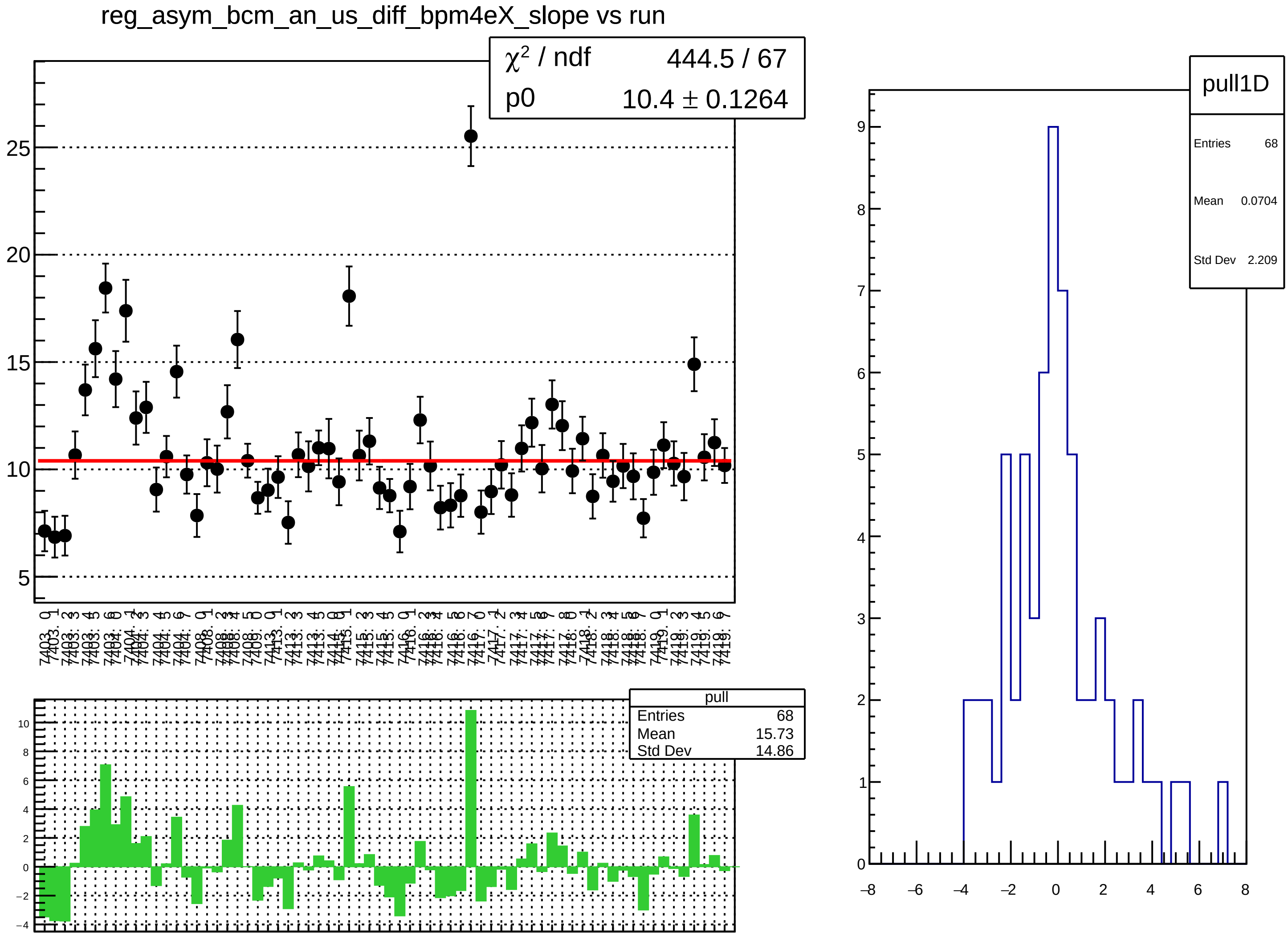
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ2 / ndf 205.9 / 67
p0 1.861 ± 0.1306
pull
Entries 68
Mean 212.8
Std Dev 196.3
pull1D
Entries 68
Mean 0.02584
Std Dev 1.74

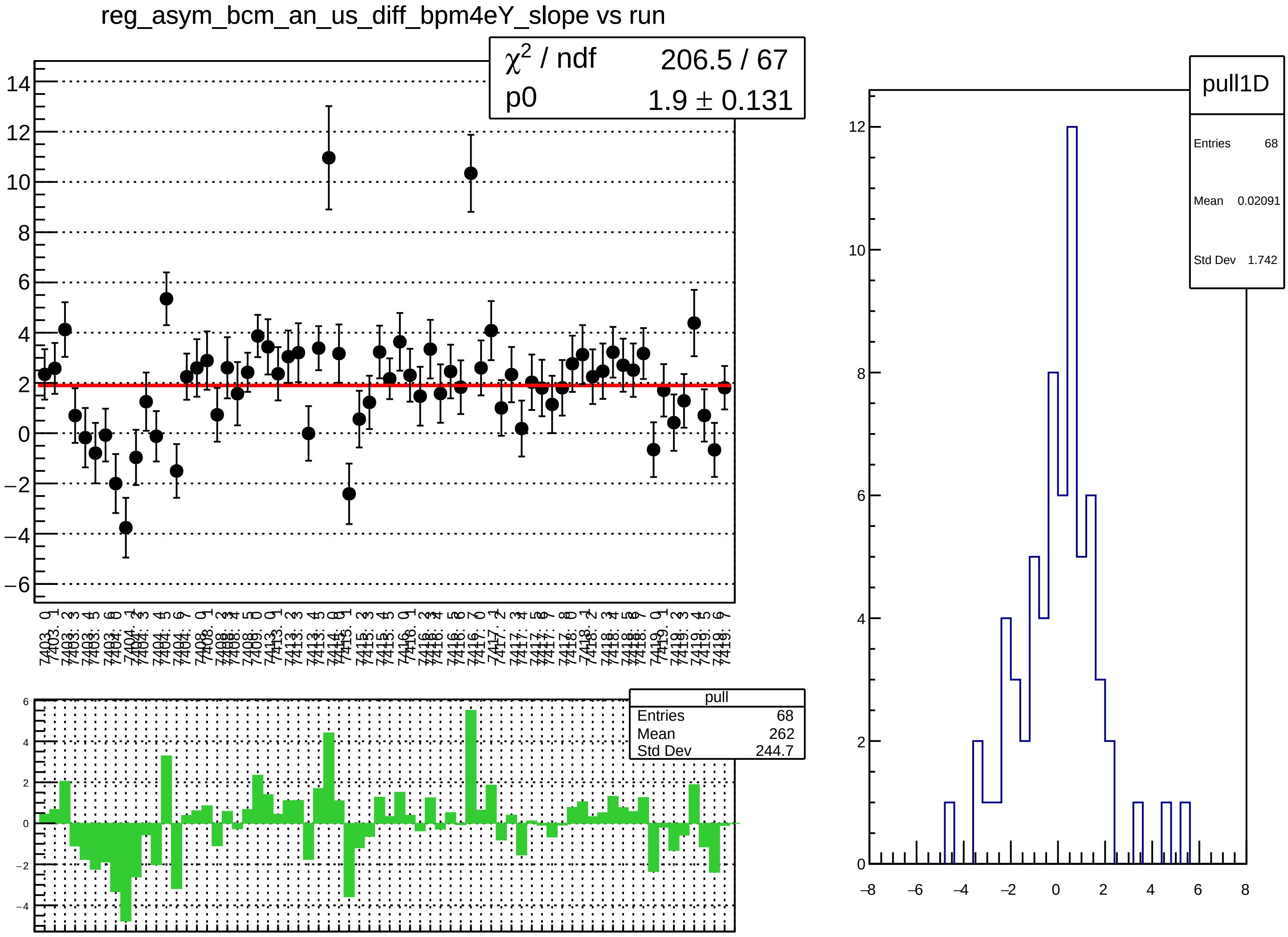

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 50.51 / 67
p0 0.1509 ± 0.005745
0.35
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 68
Mean 200.5
Std Dev 174.2
pull1D
Entries 68
Mean 0.01723
Std Dev 0.8617



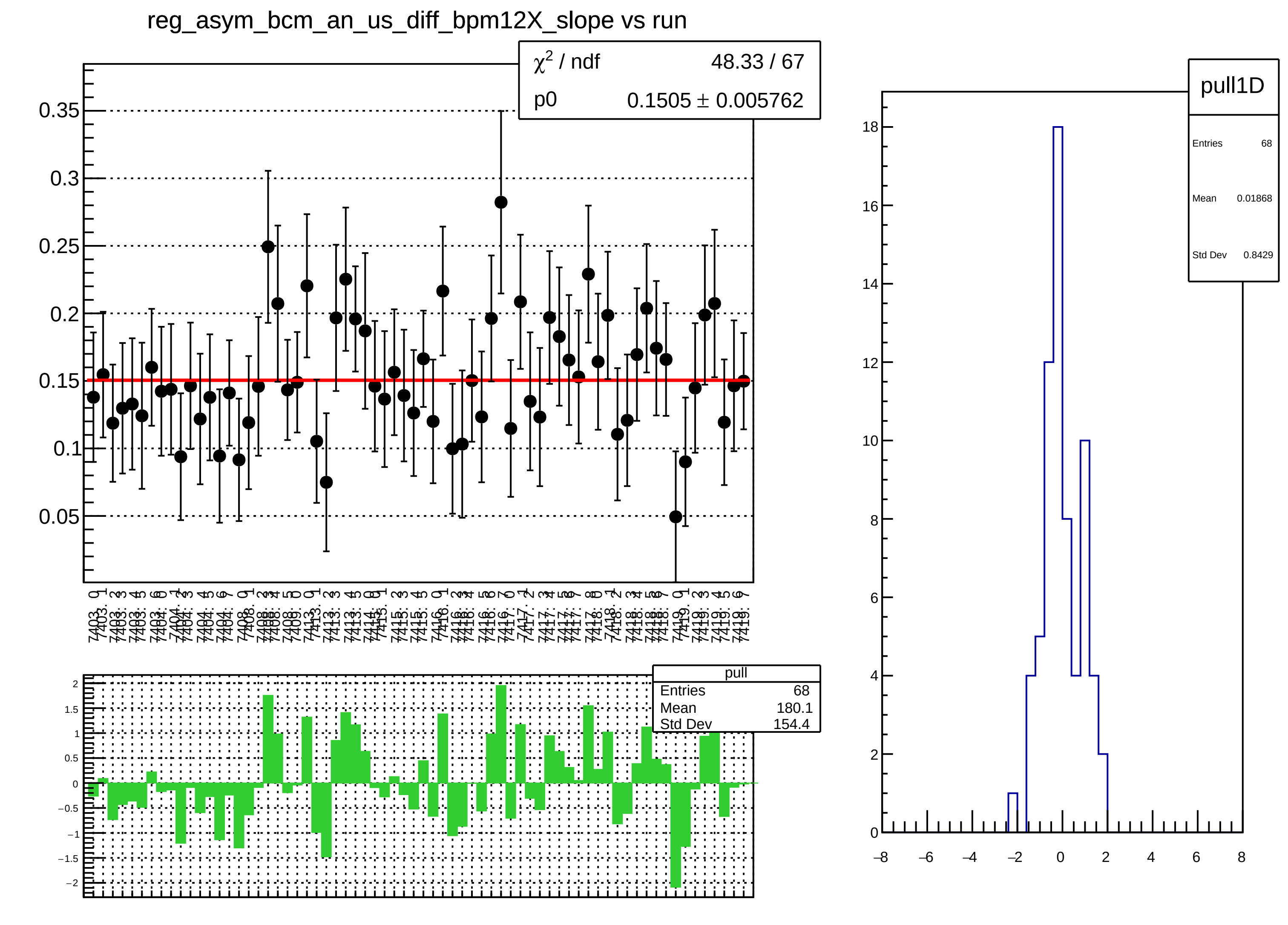
reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 456.4 / 67
p0 −10.1 ± 0.1217
−5
−10
−15
−20
−25
pull
Entries 68
Mean 13.59
Std Dev 11.95
pull1D
Entries 68
Mean −0.06569
Std Dev 2.228

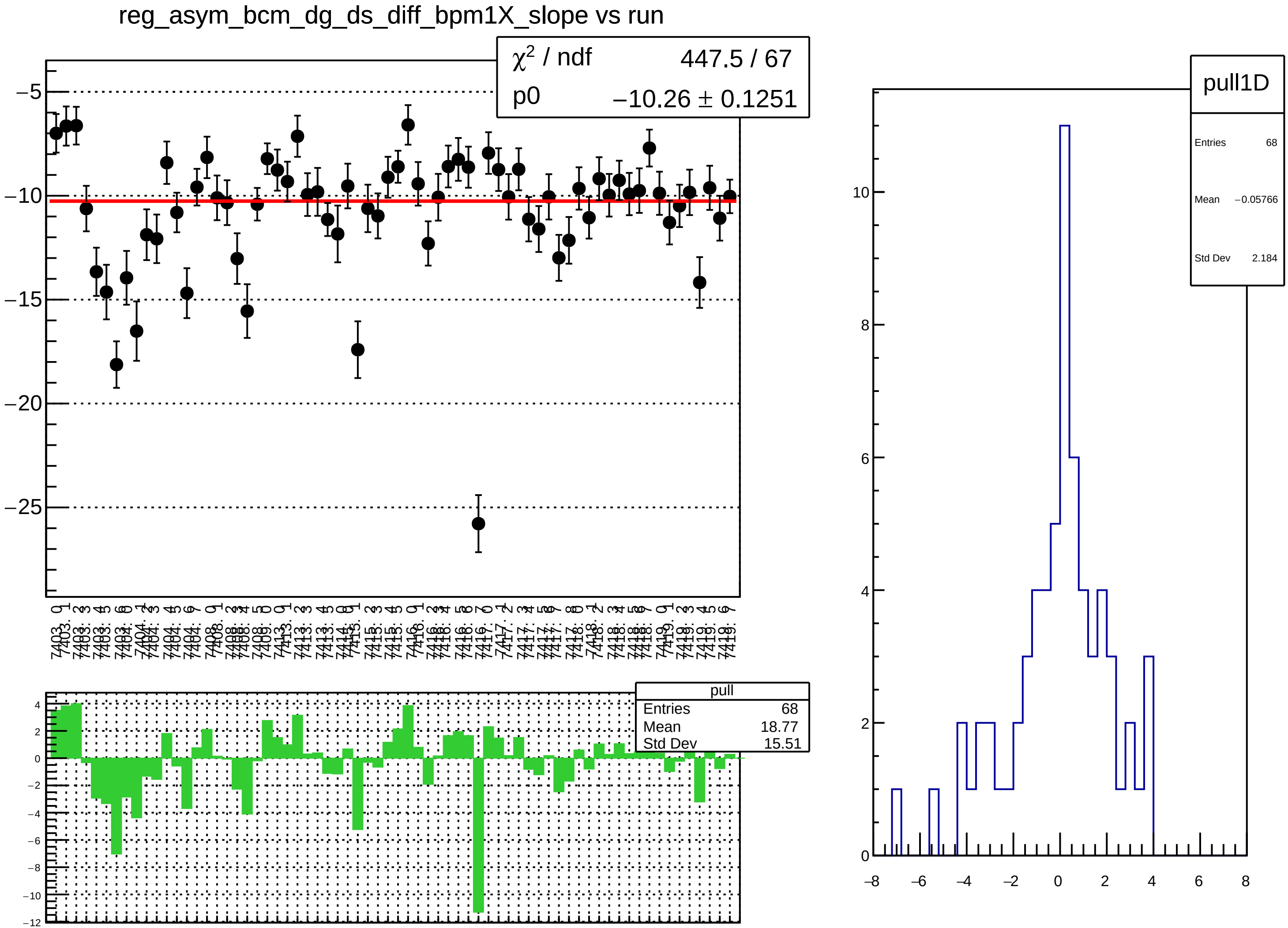

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ2 / ndf 206.7 / 67
p0 −2.482 ± 0.124
pull
Entries 68
Mean 160.9
Std Dev 143.9
pull1D
Entries 68
Mean −0.03885
Std Dev 1.743


reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 444.5 / 67
p0 10.4 ± 0.1264
pull
Entries 68
Mean 15.73
Std Dev 14.86
pull1D
Entries 68
Mean 0.0704
Std Dev 2.209

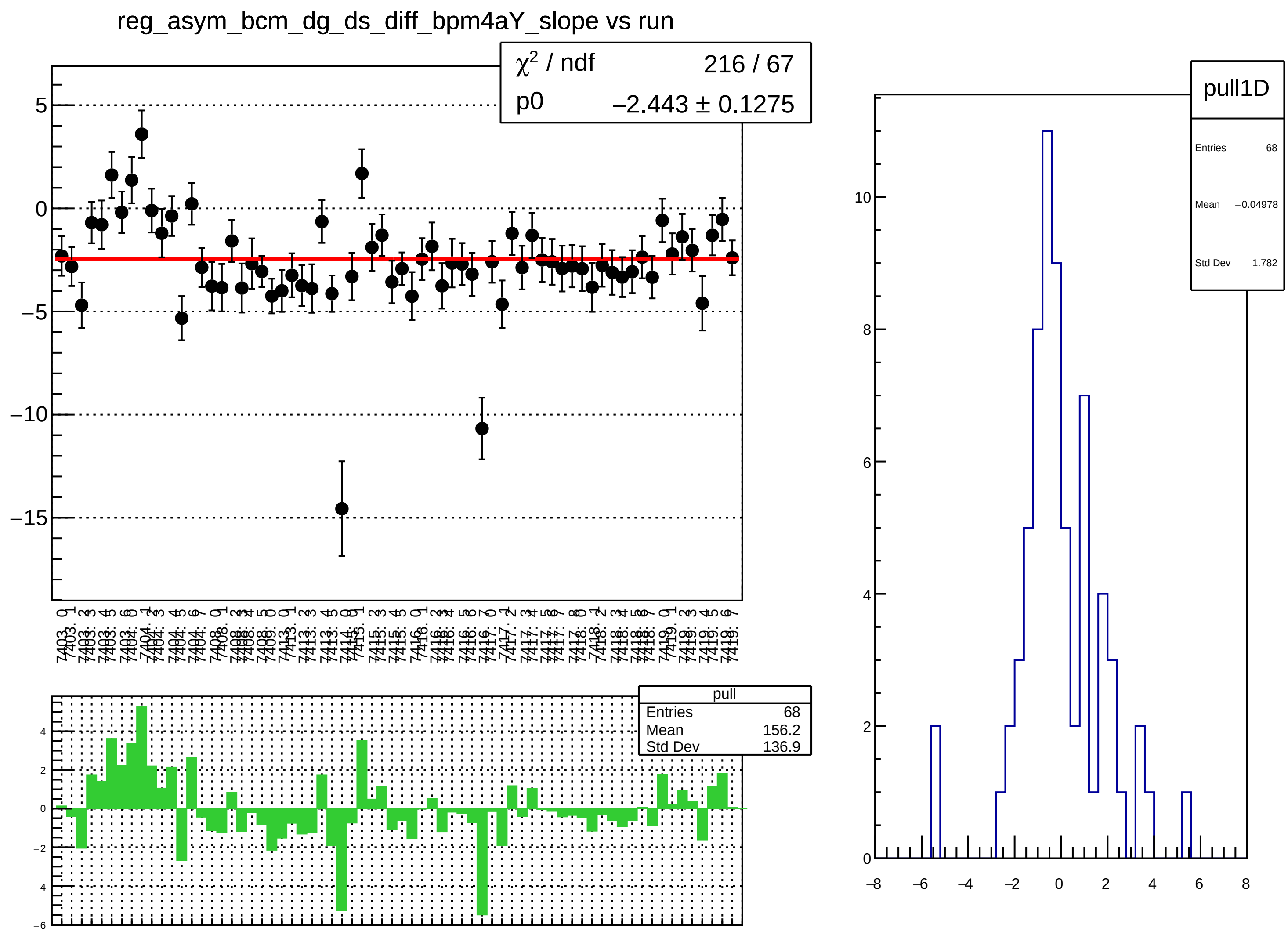


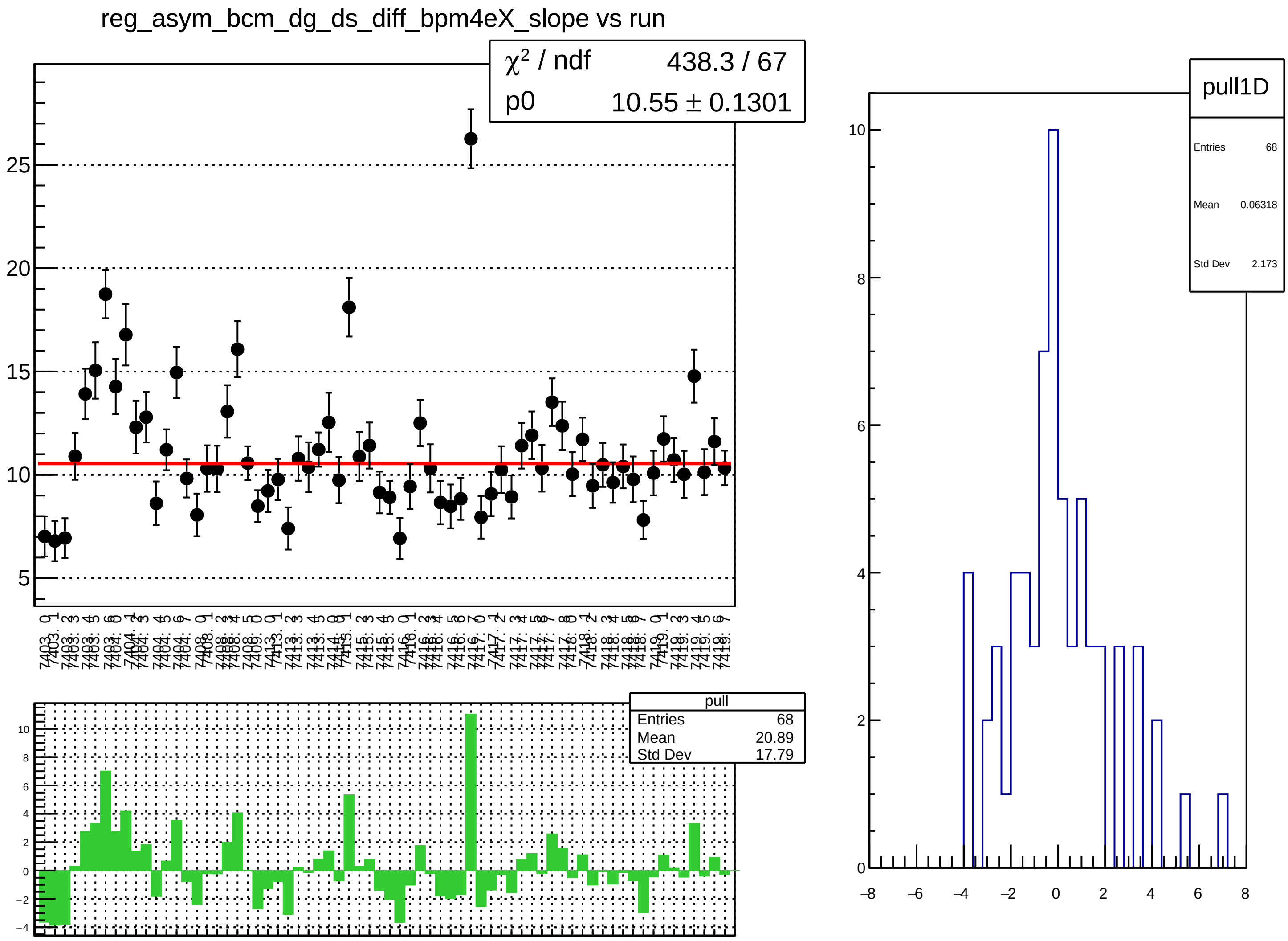
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ2 / ndf 206.5 / 67
p0 1.9 ± 0.131
pull
Entries 68
Mean 262
Std Dev 244.7
pull1D
Entries 68
Mean 0.02091
Std Dev 1.742


reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 48.33 / 67
p0 0.1505 ± 0.005762
pull
Entries 68
Mean 180.1
Std Dev 154.4
pull1D
Entries 68
Mean 0.01868
Std Dev 0.8429



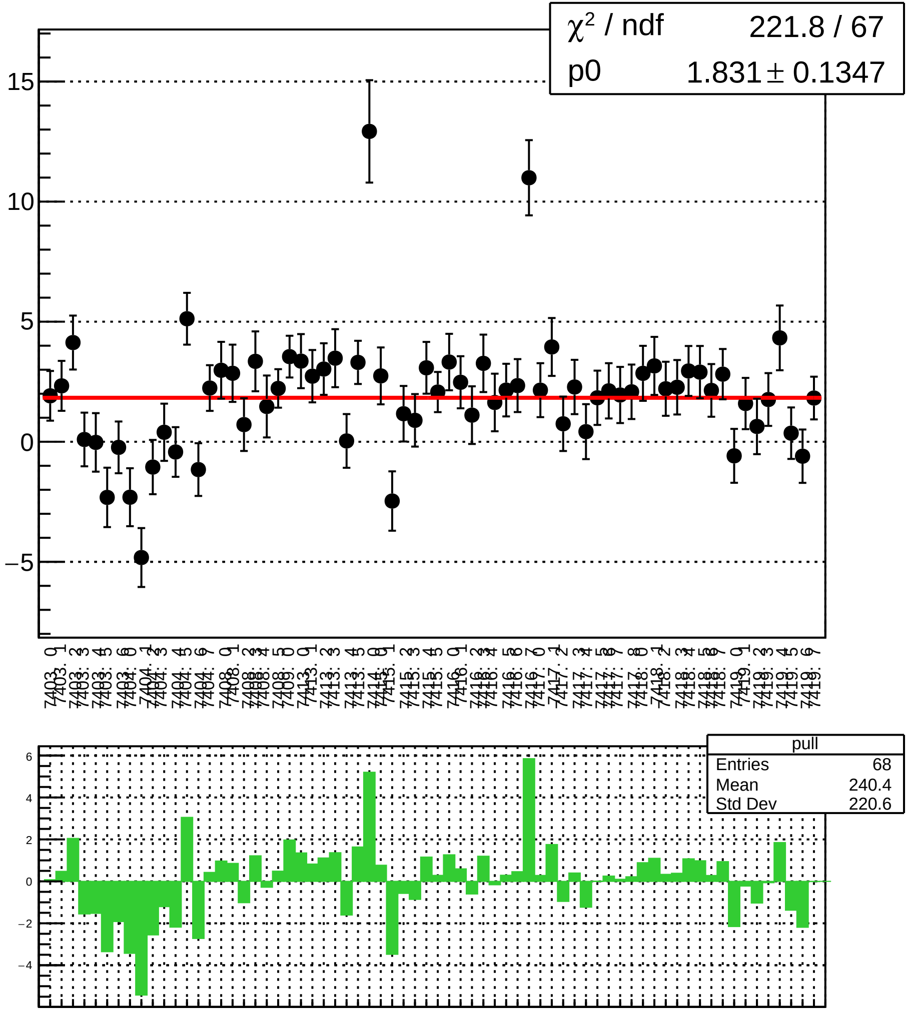
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 447.5 / 67
p0 −10.26 ± 0.1251
pull
Entries 68
Mean 18.77
Std Dev 15.51
pull1D
Entries 68
Mean −0.05766
Std Dev 2.184

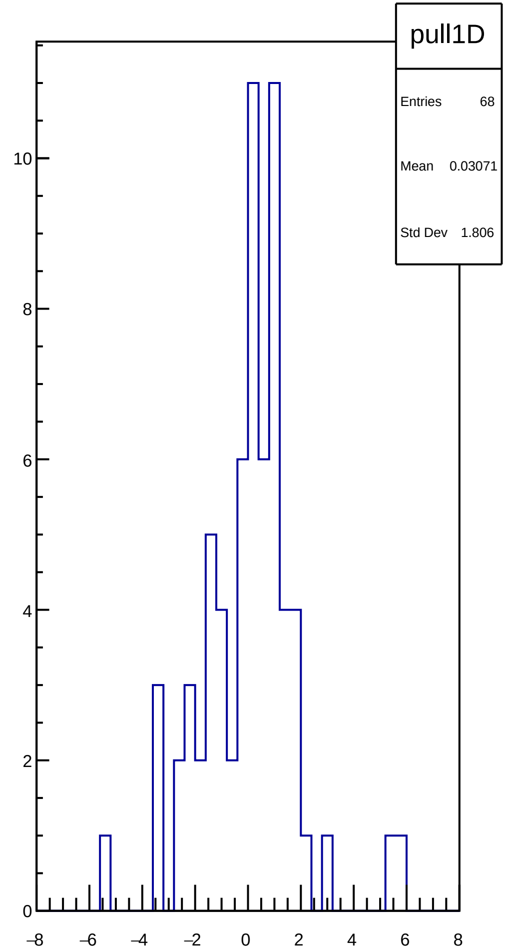

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 216 / 67
p0 −2.443 ± 0.1275
pull
Entries 68
Mean 156.2
Std Dev 136.9
pull1D
Entries 68
Mean −0.04978
Std Dev 1.782

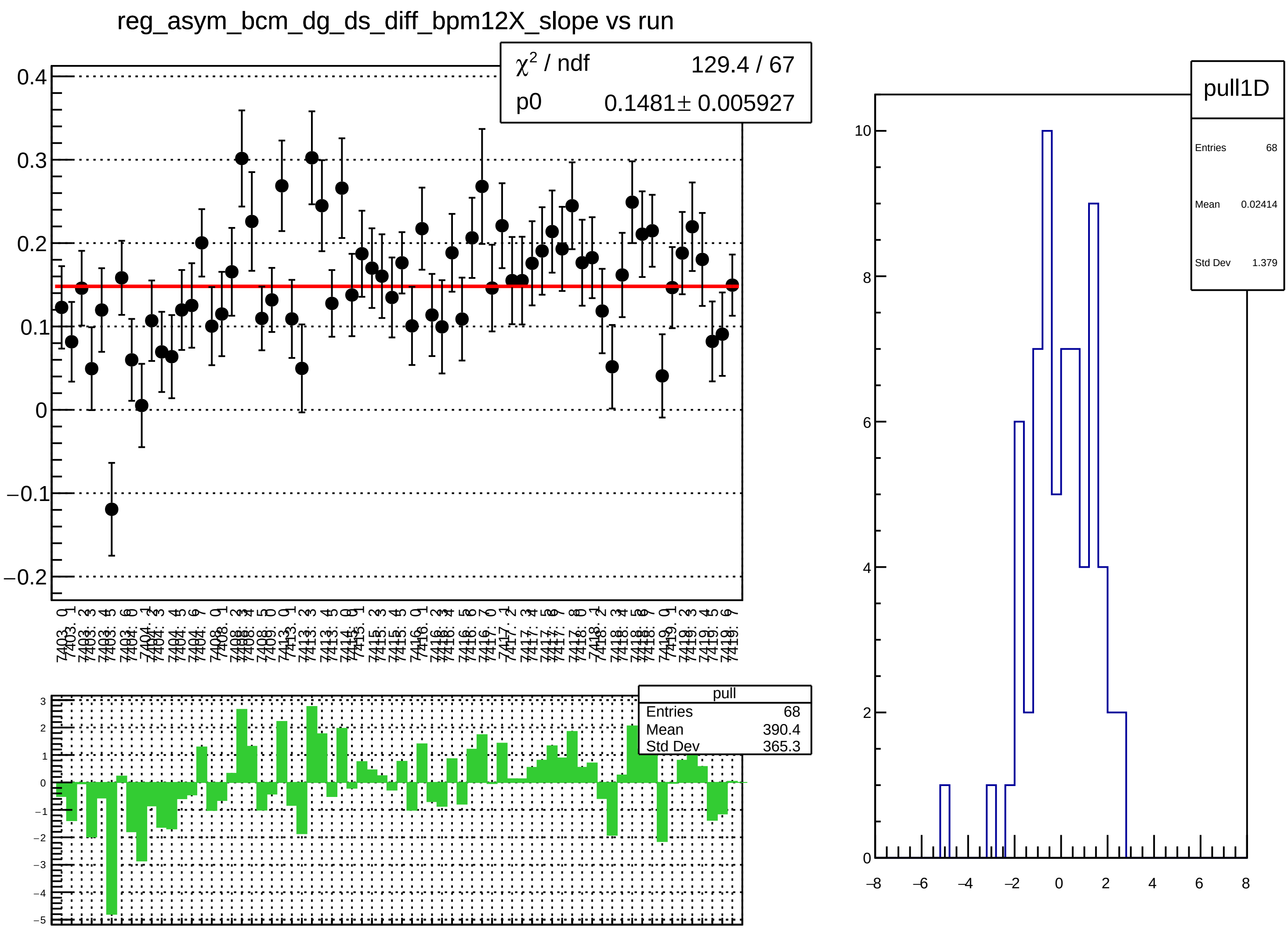


reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 438.3 / 67
p0 10.55 ± 0.1301
pull
Entries 68
Mean 20.89
Std Dev 17.79
pull1D
Entries 68
Mean 0.06318
Std Dev 2.173

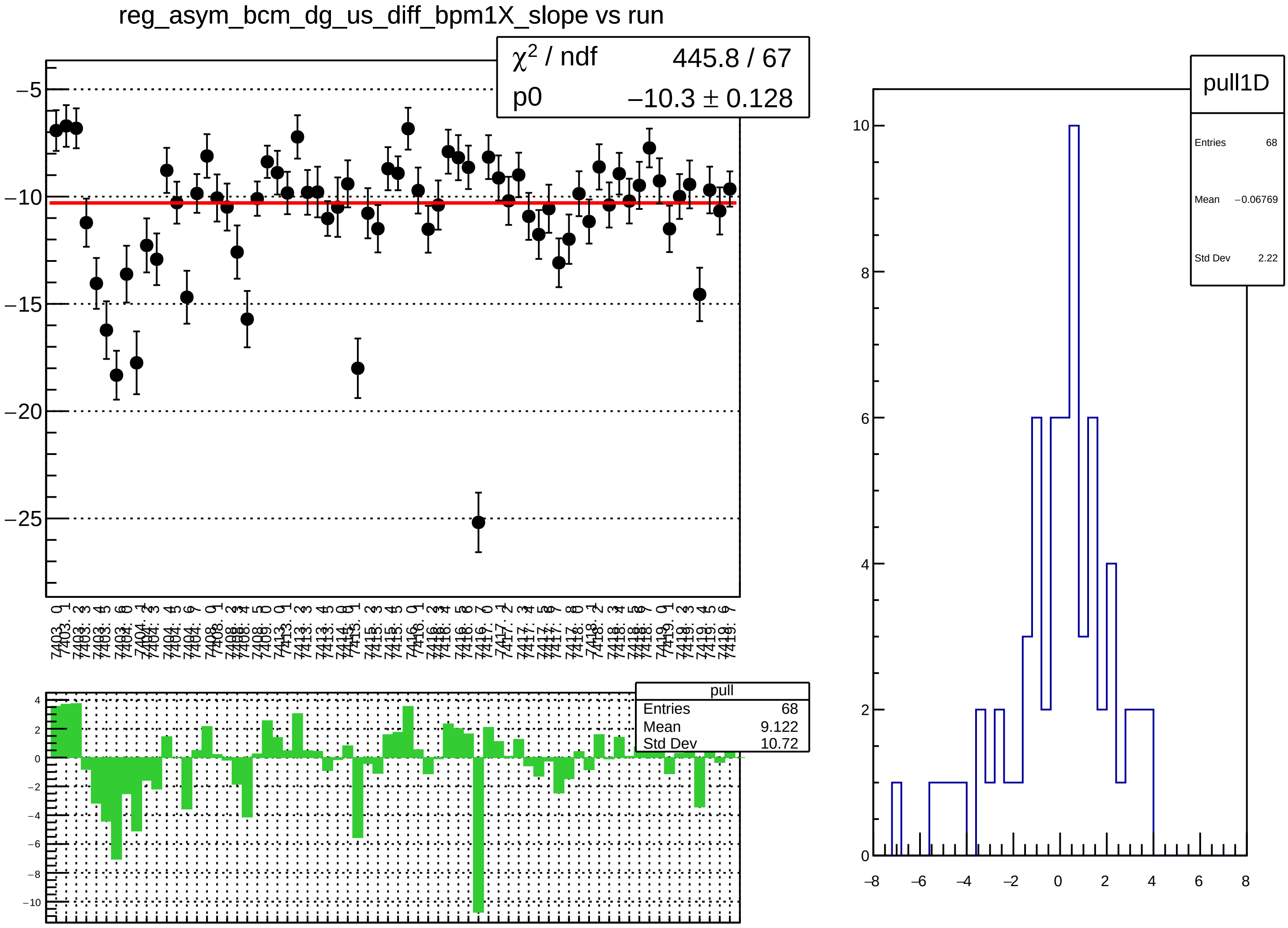
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run



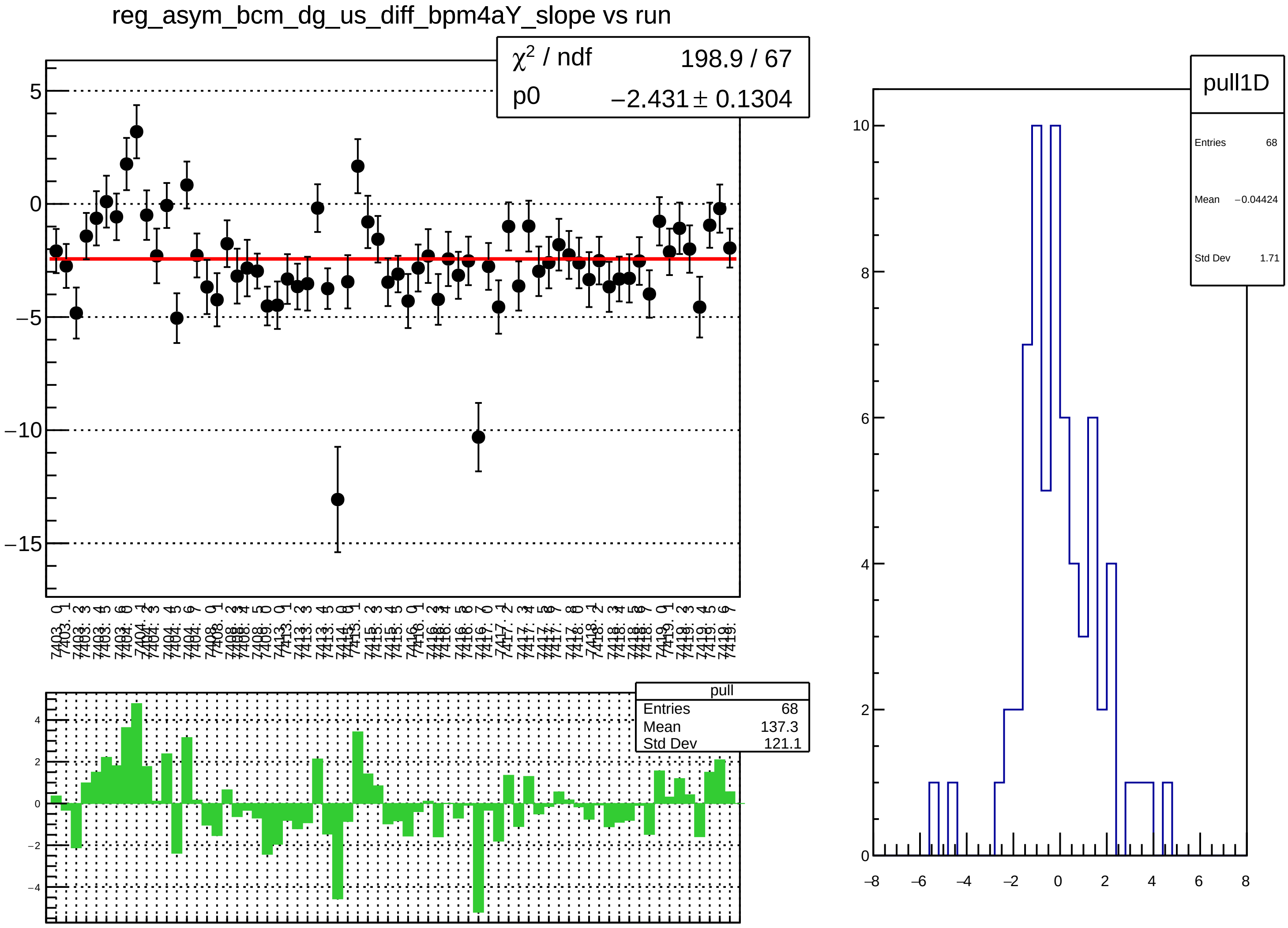


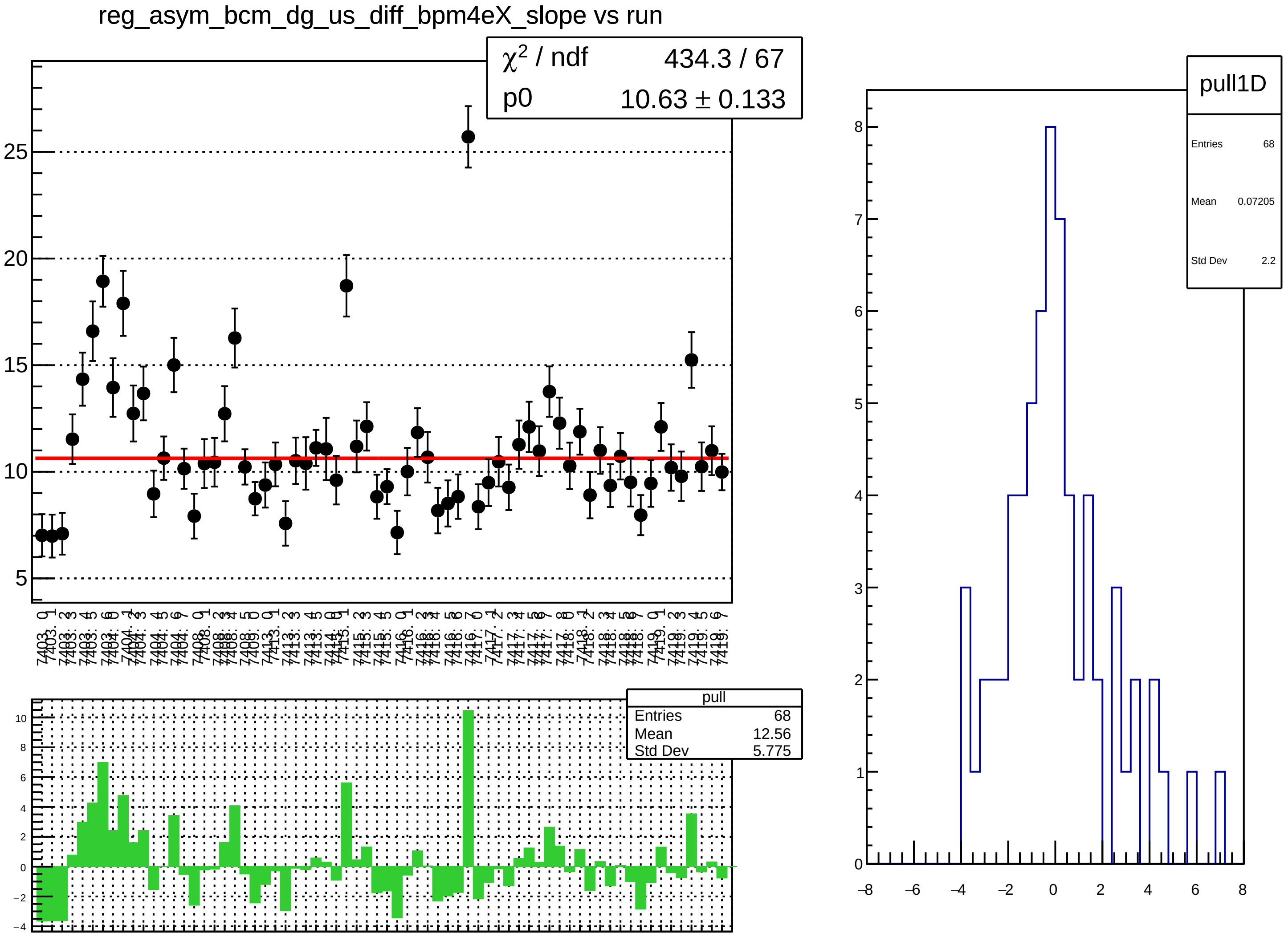


reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 129.4 / 67
p0 0.1481± 0.005927
pull
Entries 68
Mean 390.4
Std Dev 365.3
pull1D
Entries 68
Mean 0.02414
Std Dev 1.379

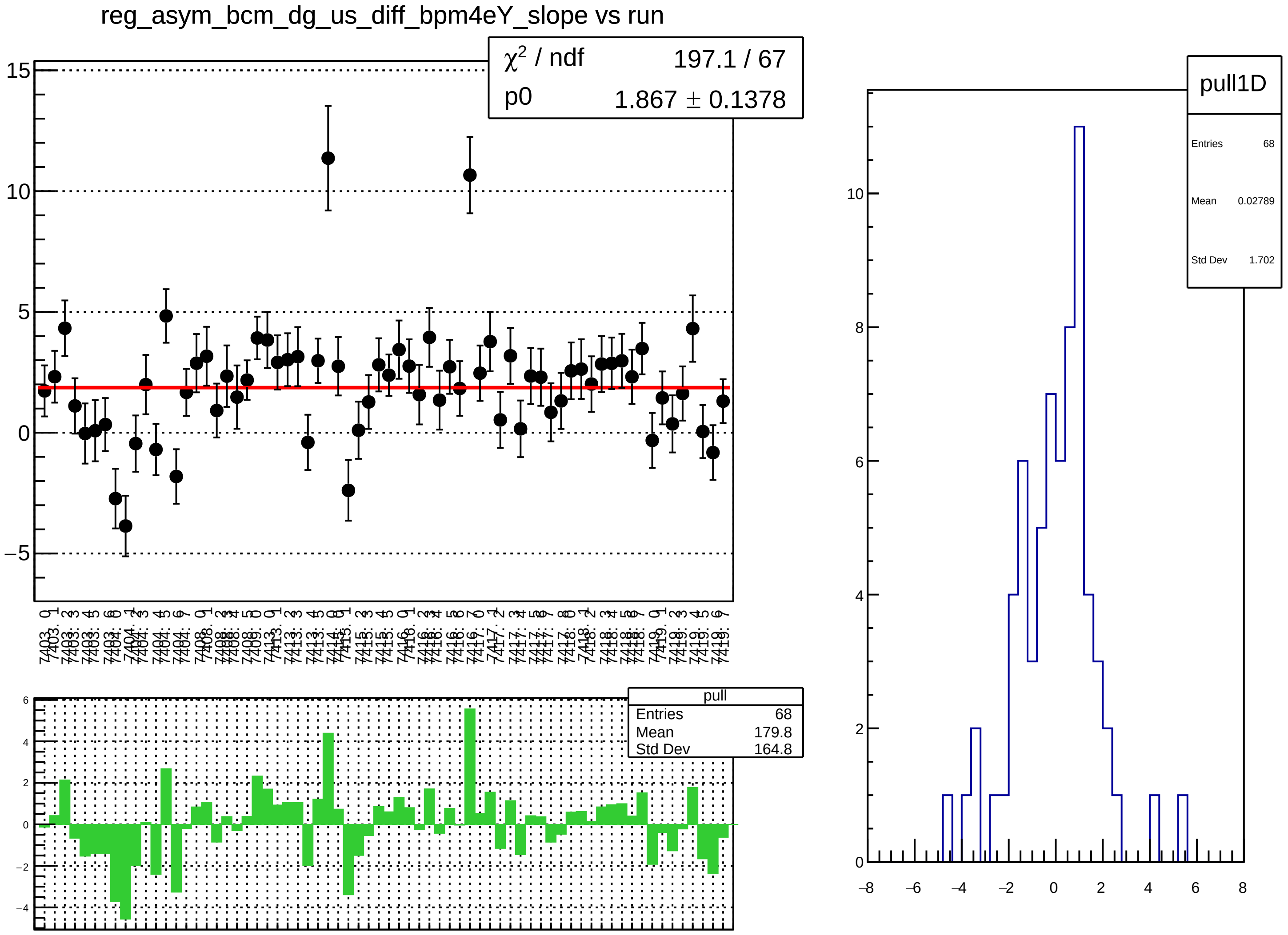


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ2 / ndf 445.8 / 67
p0 −10.3 ± 0.128
pull
Entries 68
Mean 9.122
Std Dev 10.72
pull1D
Entries 68
Mean −0.06769
Std Dev 2.22

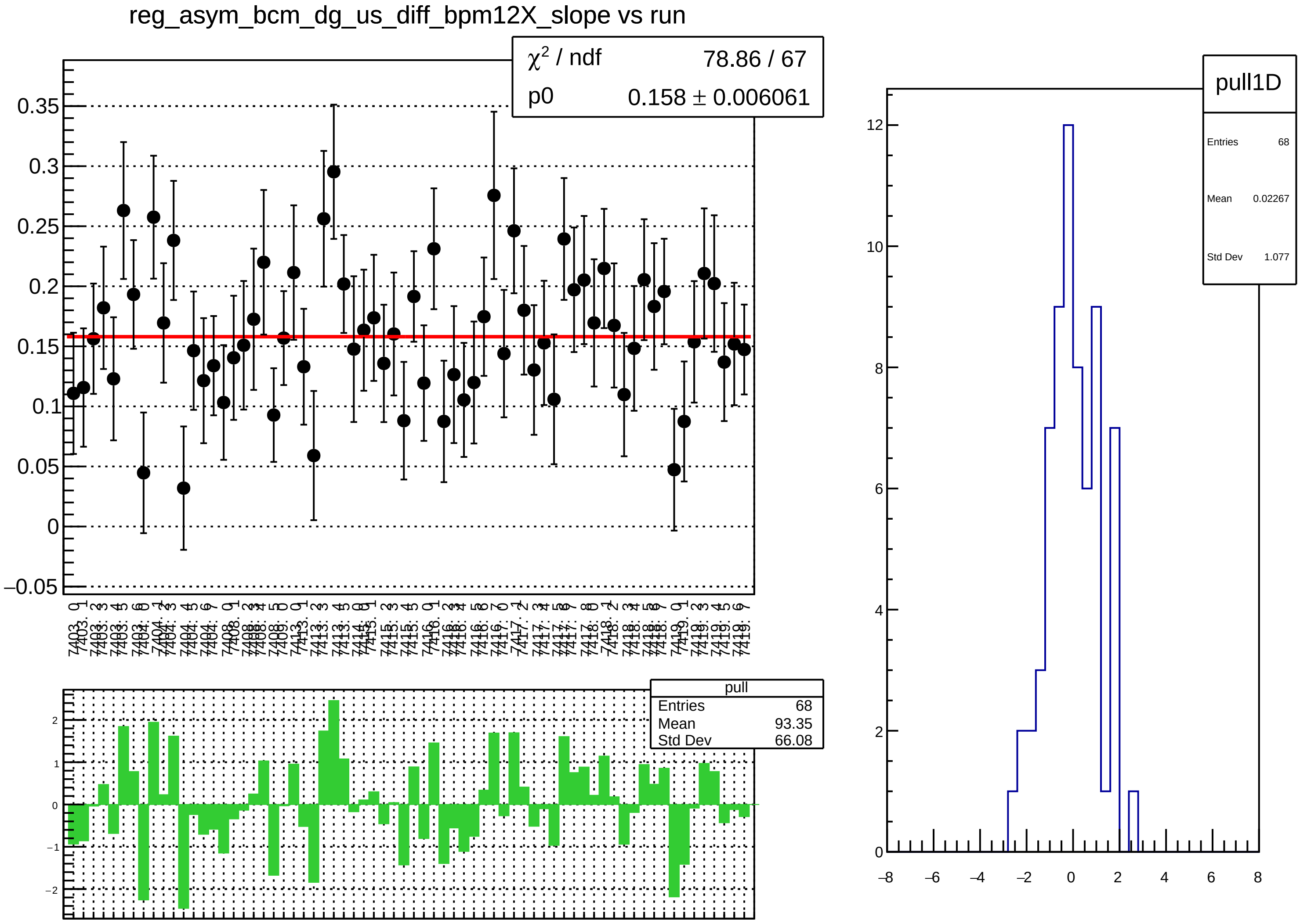

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ2 / ndf 198.9 / 67
p0 −2.431 ± 0.1304
pull
Entries 68
Mean 137.3
Std Dev 121.1
pull1D
Entries 68
Mean −0.04424
Std Dev 1.71



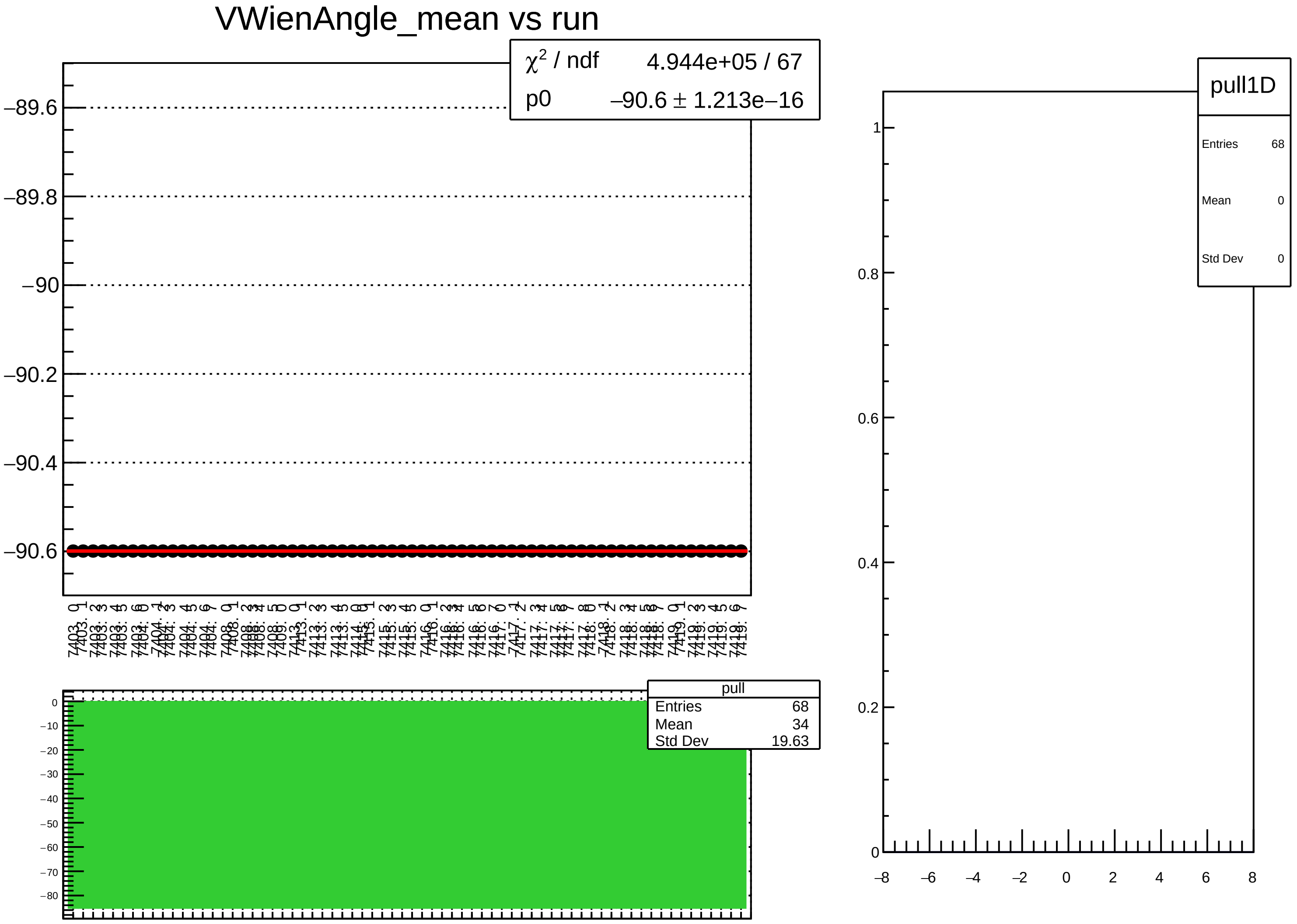
reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 434.3 / 67
p0 10.63 ± 0.133
pull
Entries 68
Mean 12.56
Std Dev 5.775
pull1D
Entries 68
Mean 0.07205
Std Dev 2.2



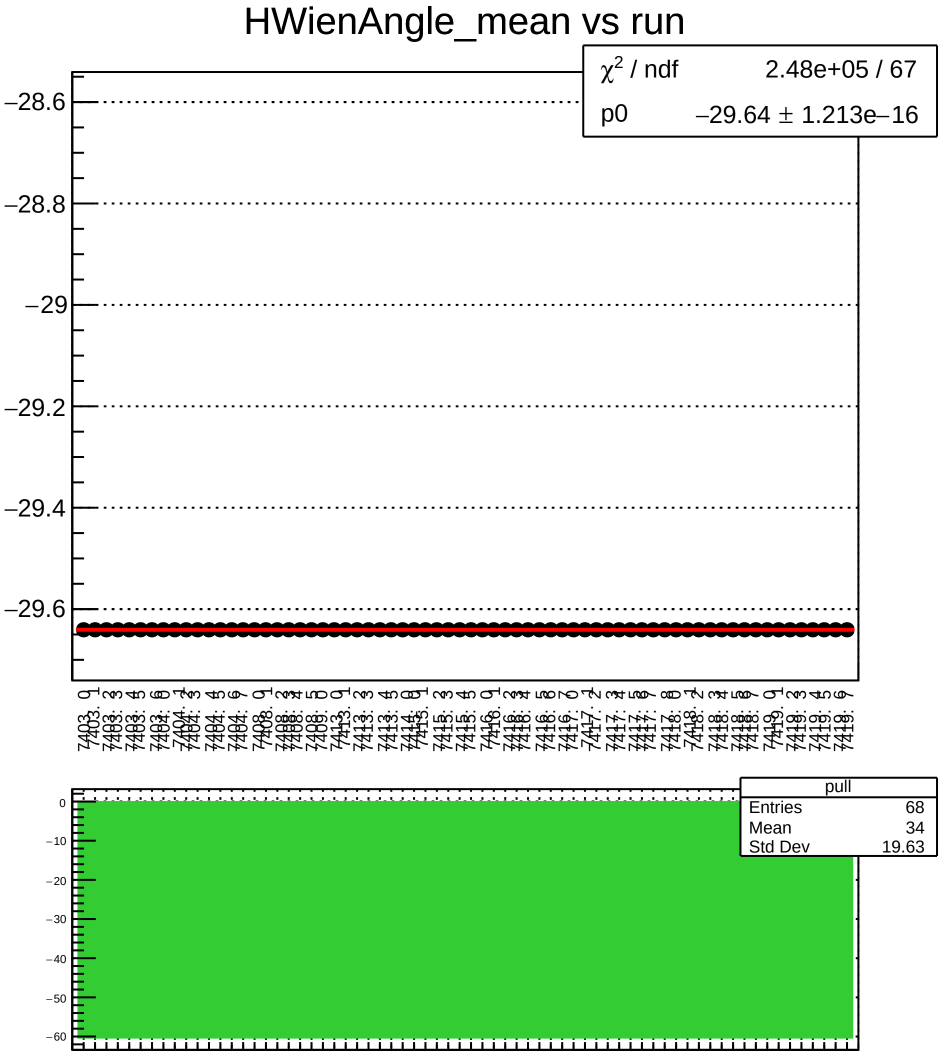
reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ2 / ndf 197.1 / 67
p0 1.867 ± 0.1378
pull
Entries 68
Mean 179.8
Std Dev 164.8
pull1D
Entries 68
Mean 0.02789
Std Dev 1.702

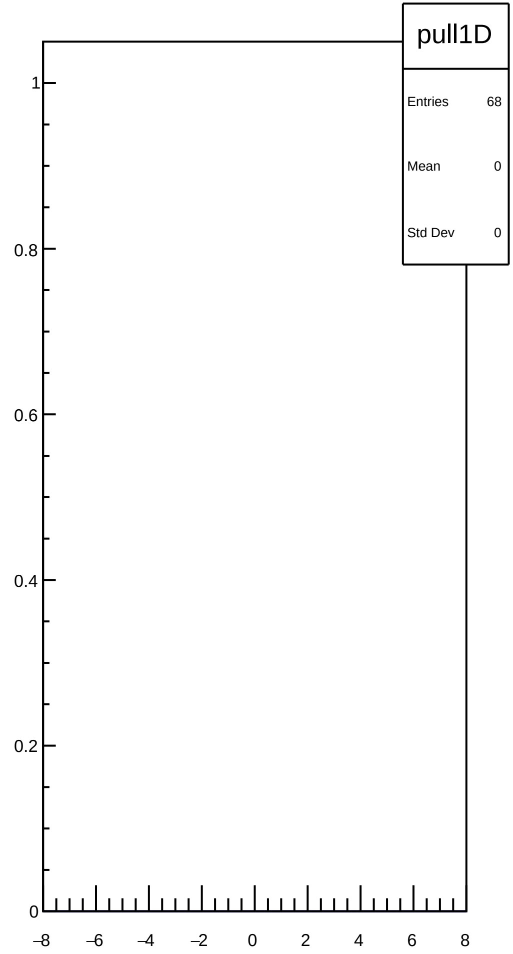


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 78.86 / 67
p0 0.158 ± 0.006061
pull
Entries 68
Mean 93.35
Std Dev 66.08
pull1D
Entries 68
Mean 0.02267
Std Dev 1.077

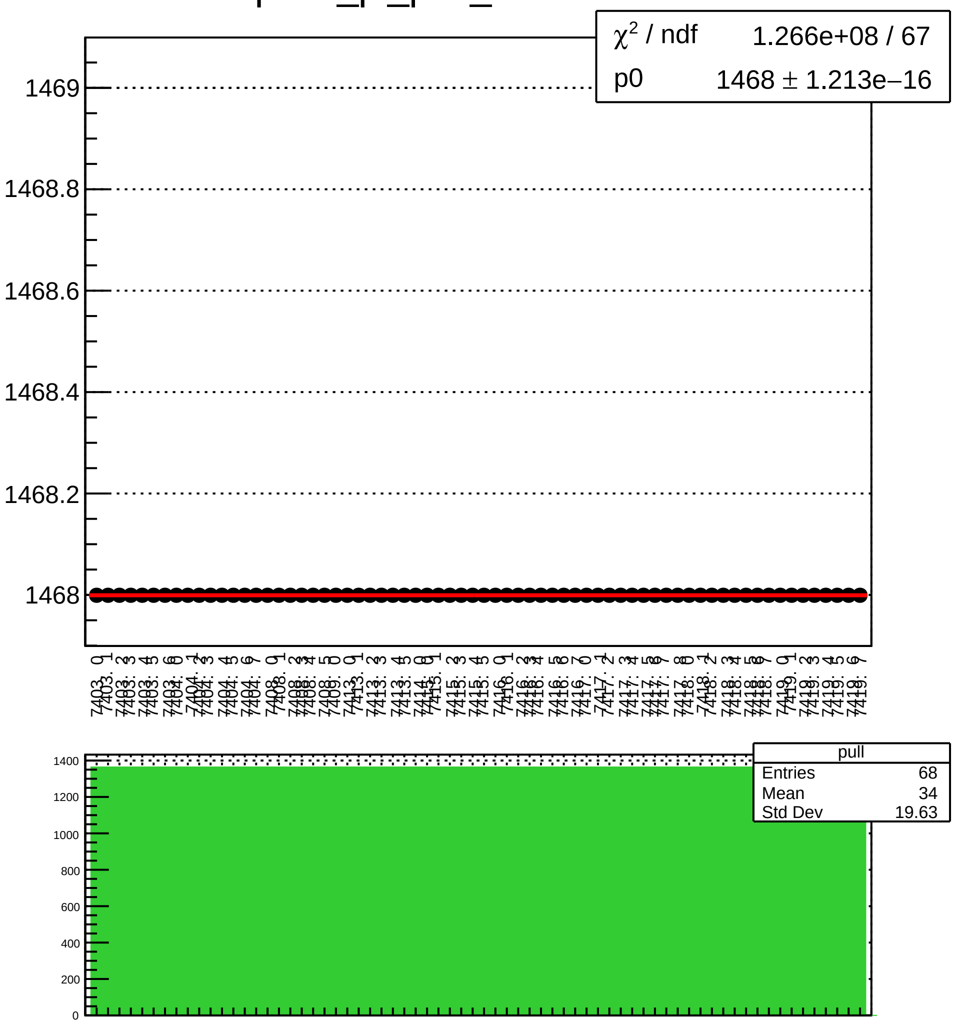


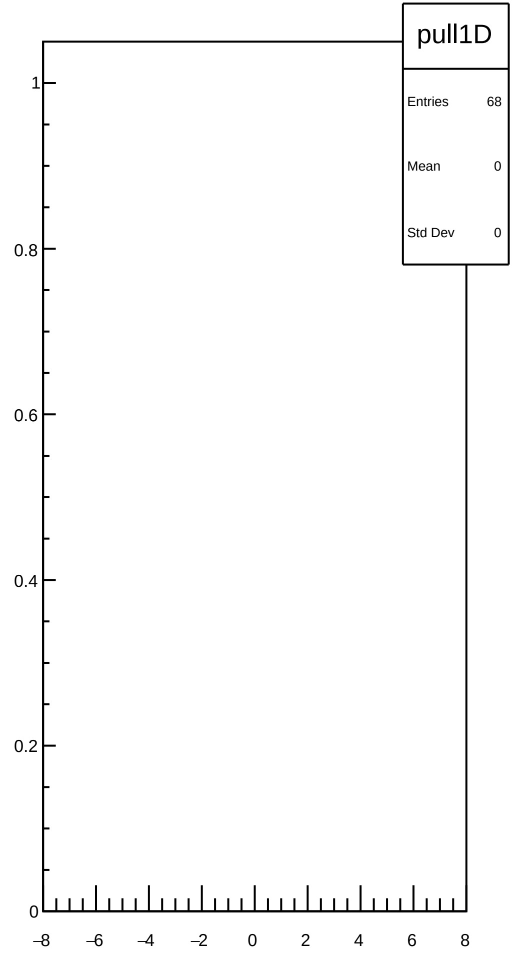
VWienAngle_mean vs run
χ^2 / ndf 4.944e+05 / 67
p0 −90.6 ± 1.213e−16
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 0
Std Dev 0

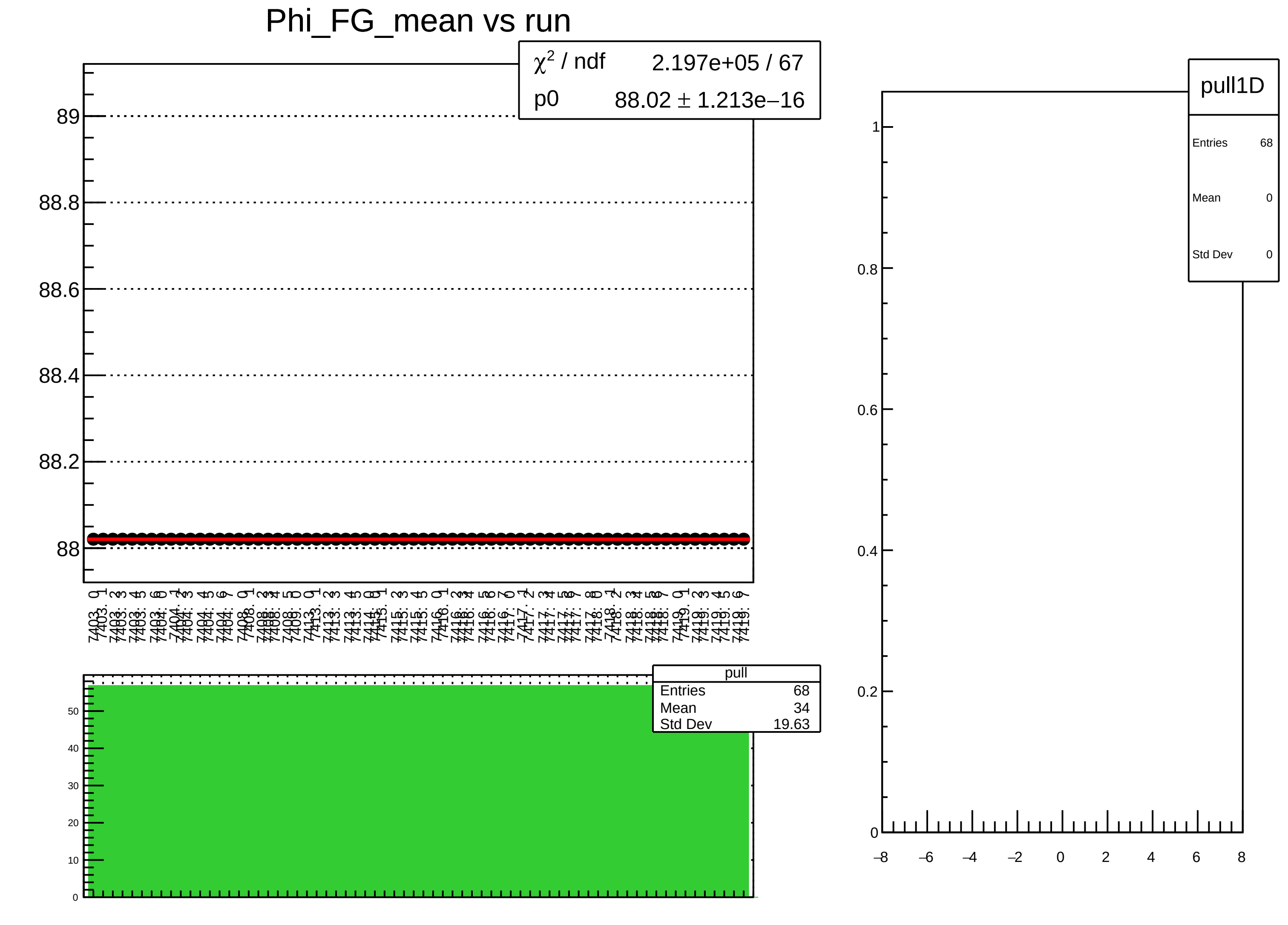

HWienAngle_mean vs run
χ2 / ndf 2.48e+05 / 67
p0 −29.64 ± 1.213e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 68
Mean 34
Std Dev 19.63
0
−10
−20
−30
−40
−50
−60

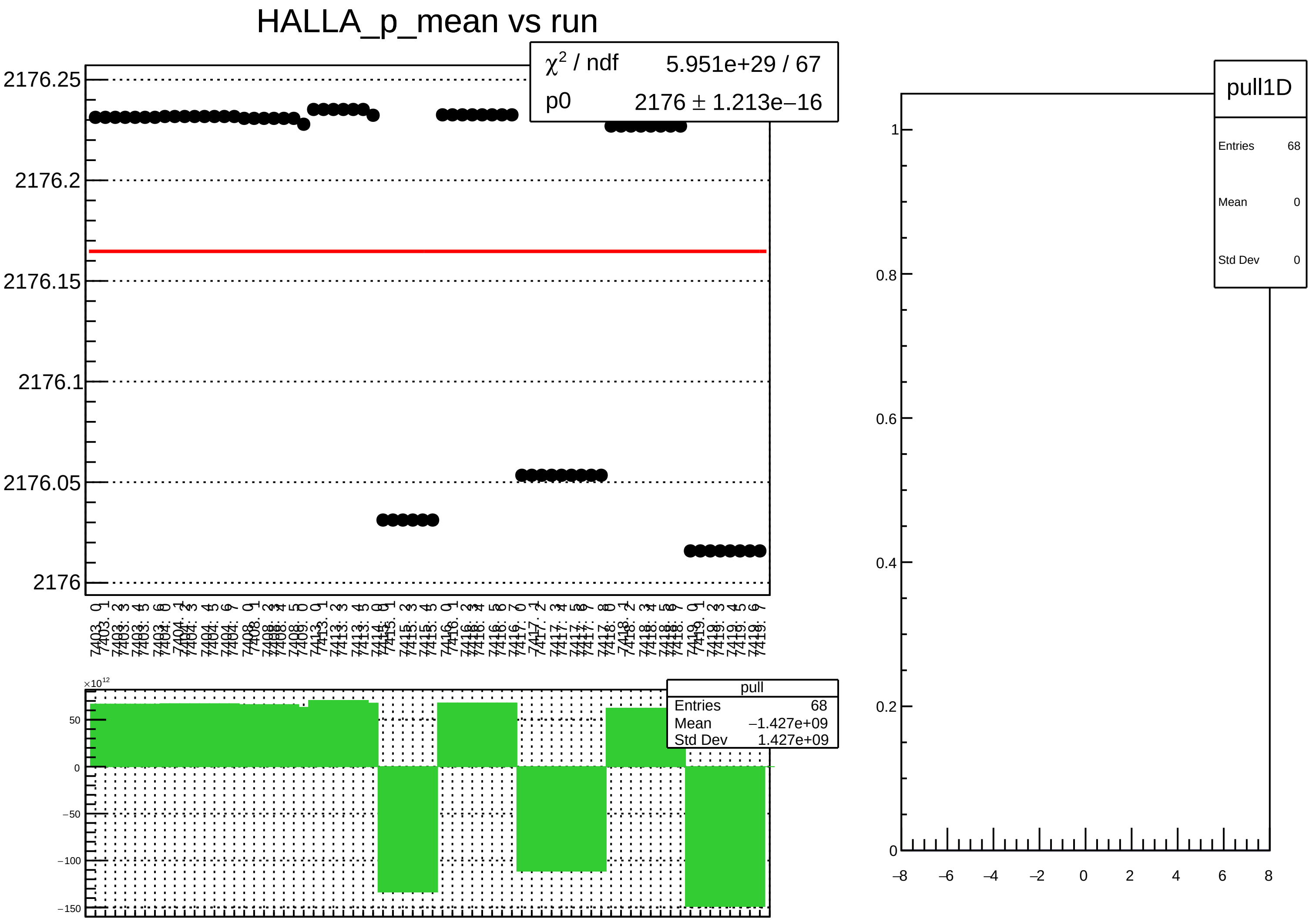

pull1D
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

psub_pl_pos_mean vs run



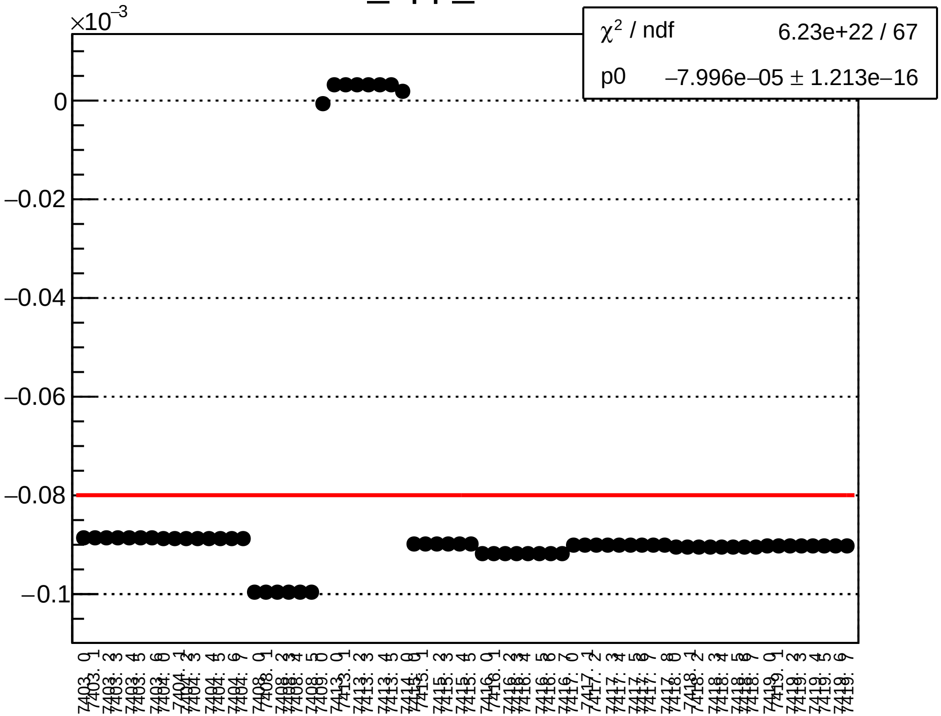


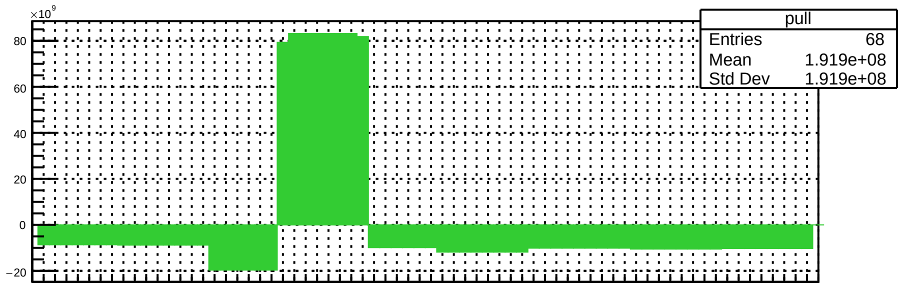

Phi_FG_mean vs run
χ2 / ndf 2.197e+05 / 67
p0 88.02 ± 1.213e−16
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 0
Std Dev 0

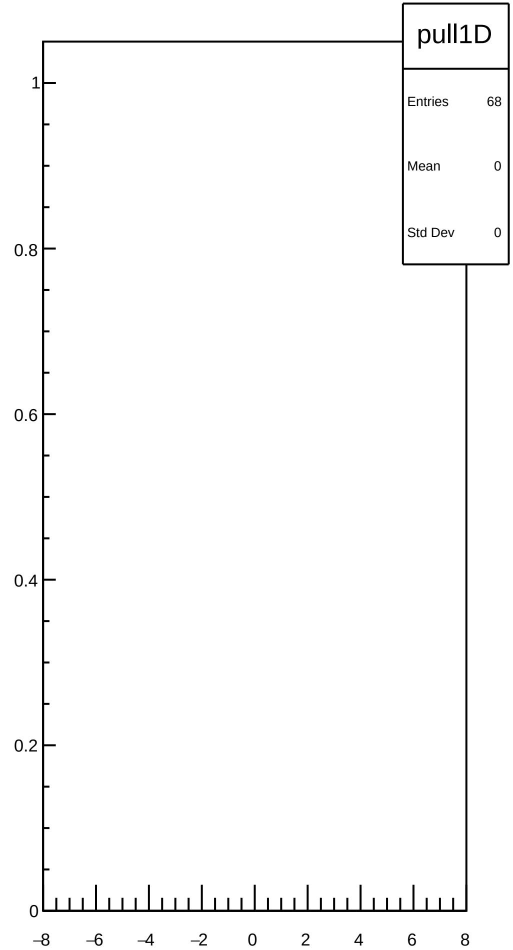


HALLA_p_mean vs run
χ^2 / ndf 5.951e+29 / 67
p0 2176 ± 1.213e−16
pull
Entries 68
Mean −1.427e+09
Std Dev 1.427e+09
pull1D
Entries 68
Mean 0
Std Dev 0

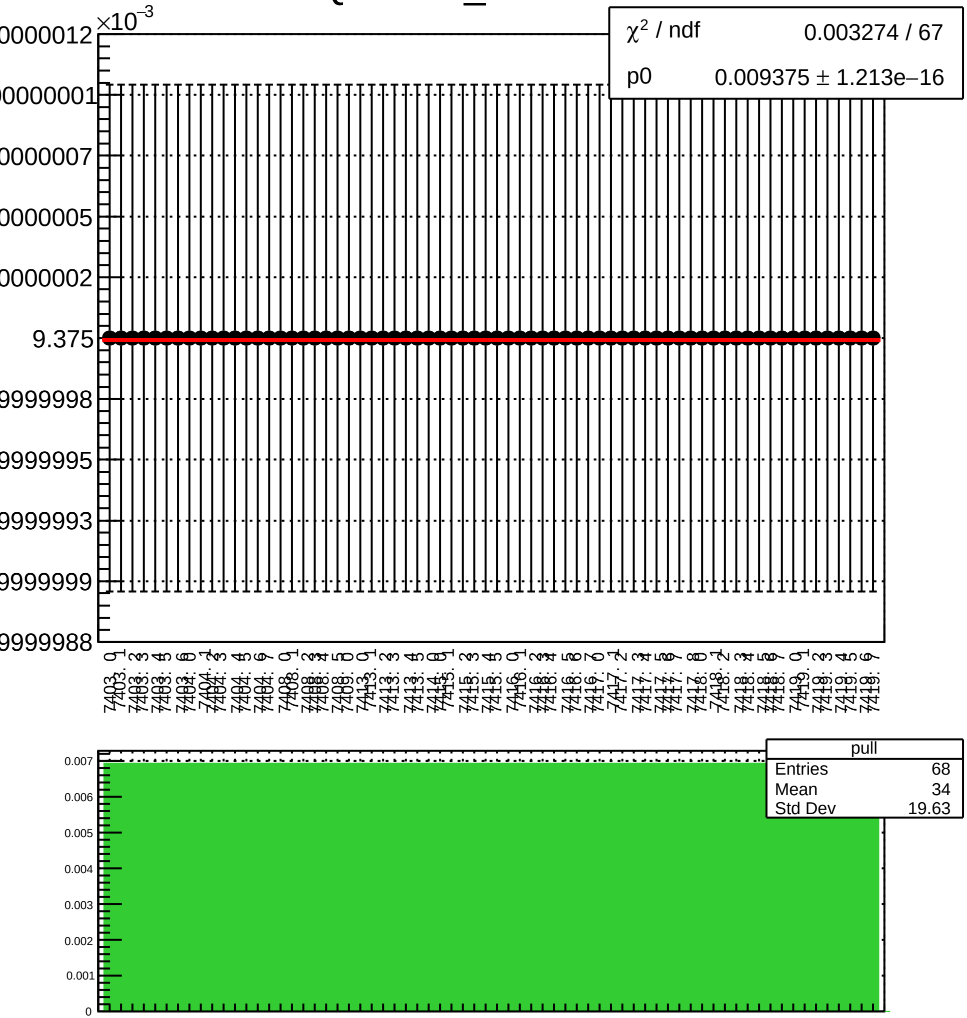
HALLA_dpp_mean vs run

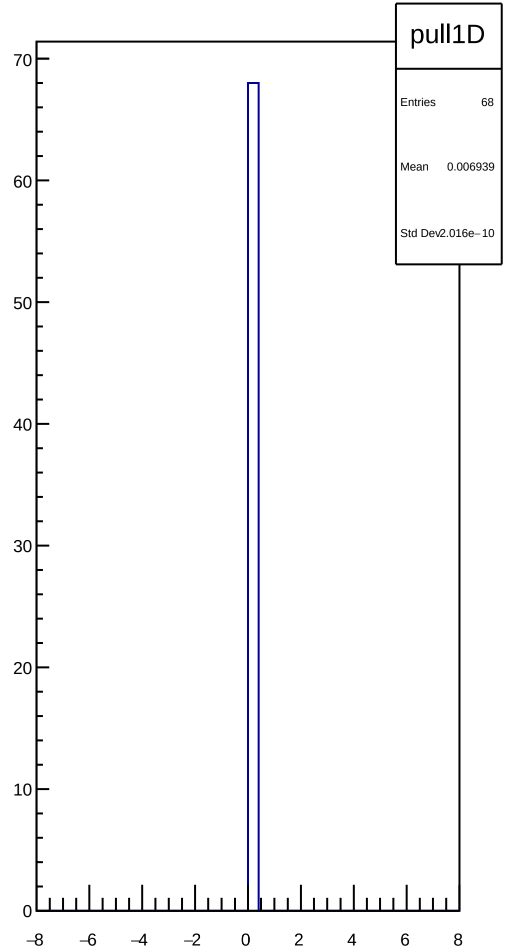


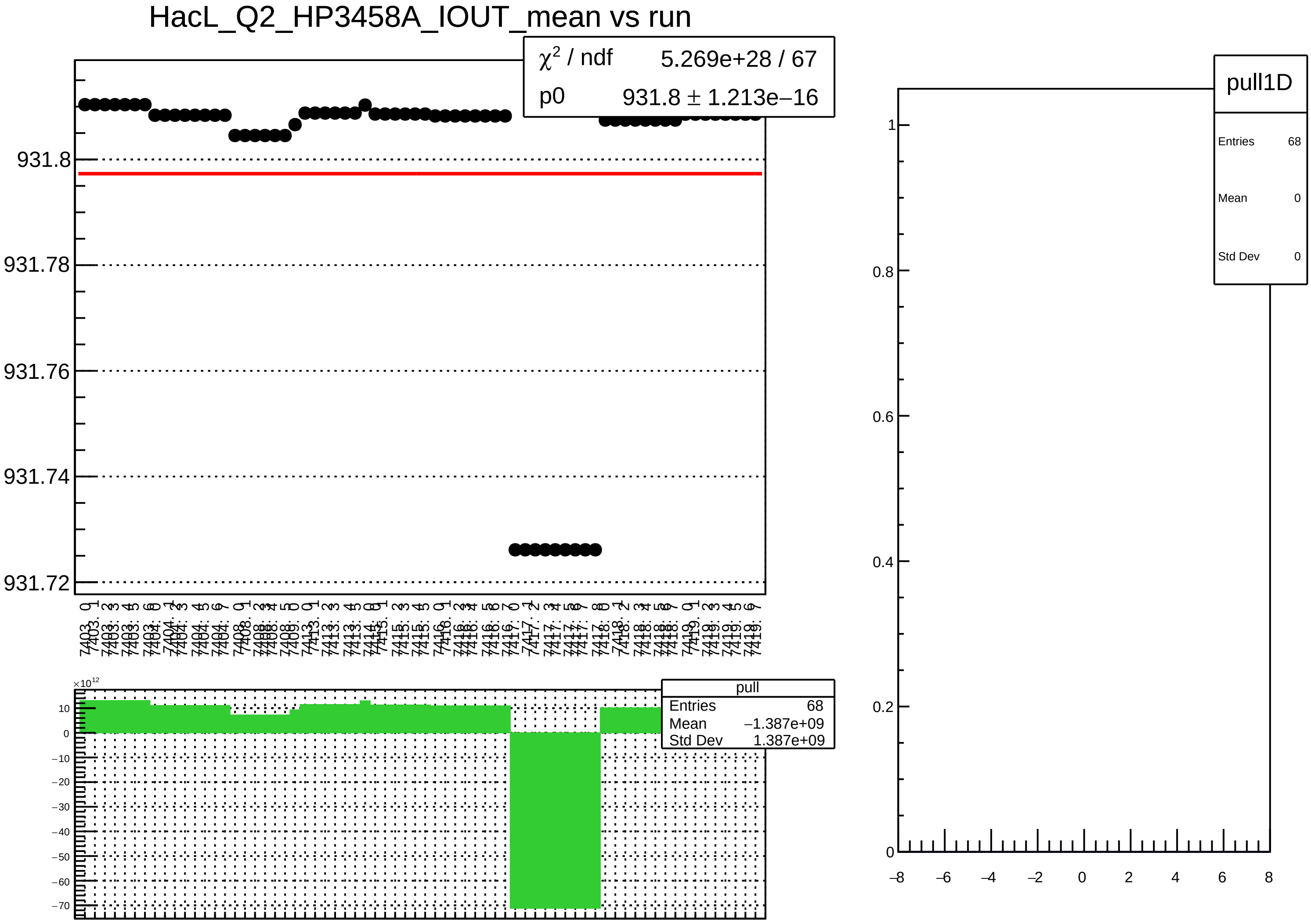




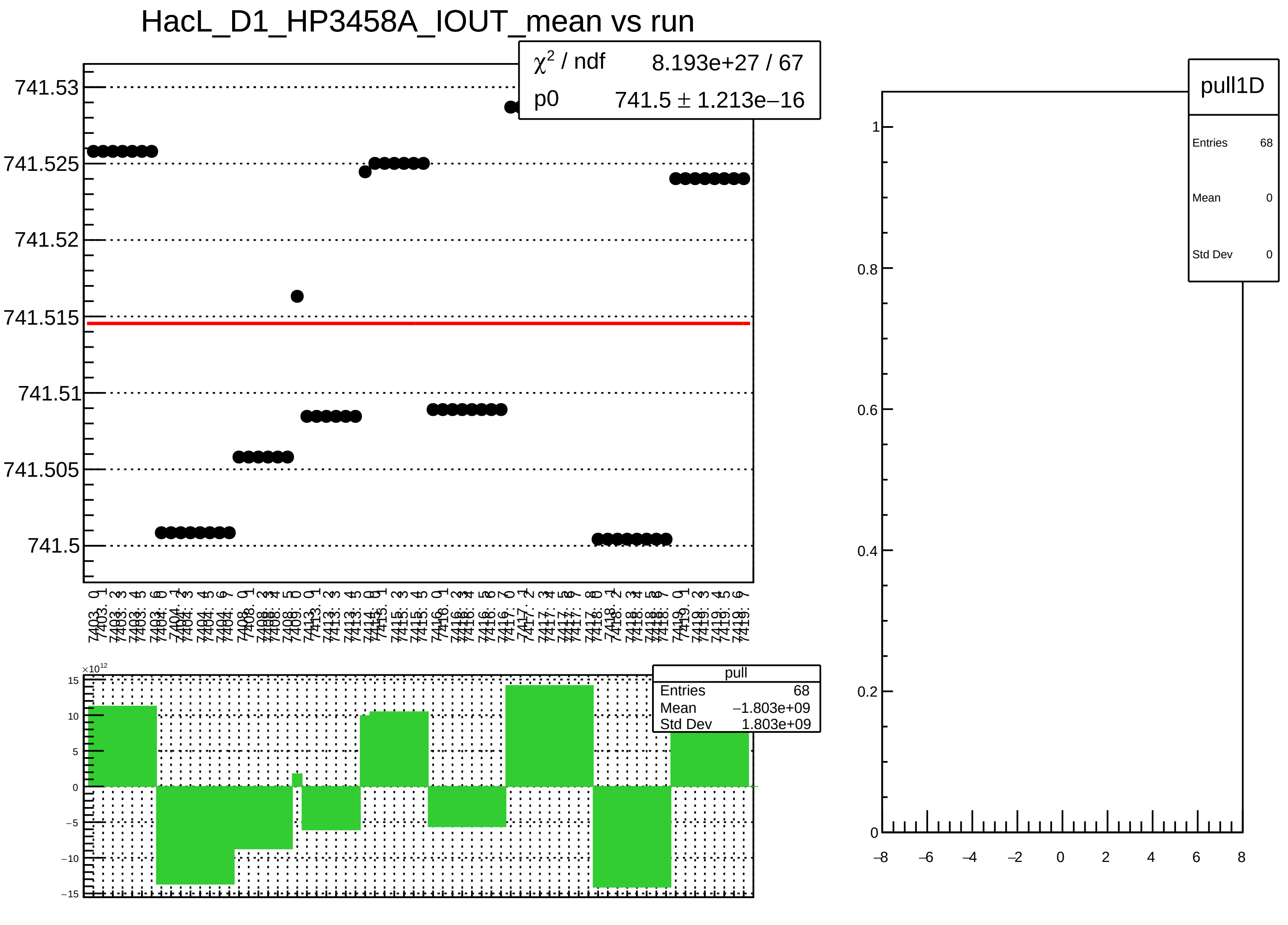
MQ171LM_mean vs run



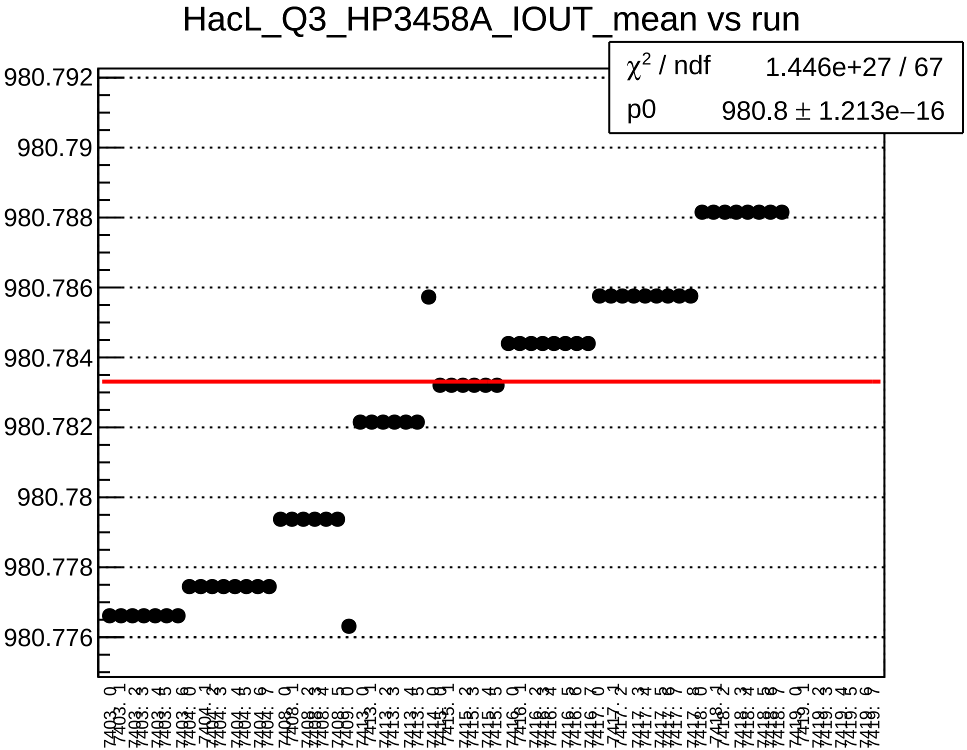


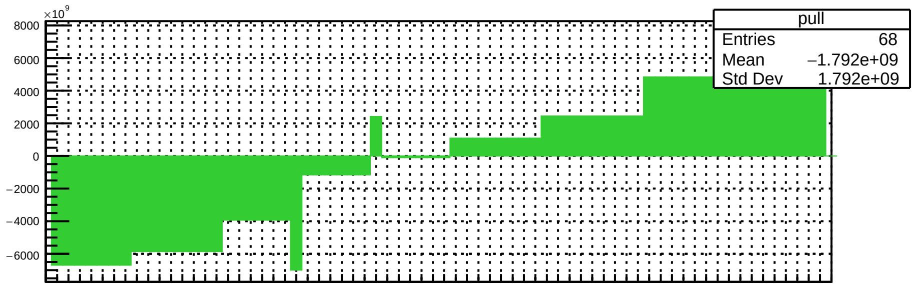


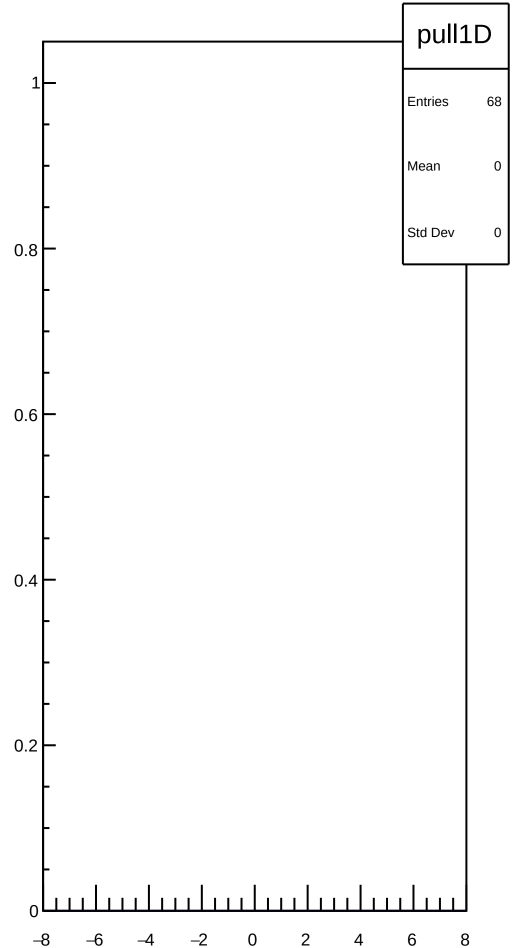
HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 5.269e+28 / 67
p0 931.8 ± 1.213e−16
pull
Entries 68
Mean −1.387e+09
Std Dev 1.387e+09
pull1D
Entries 68
Mean 0
Std Dev 0

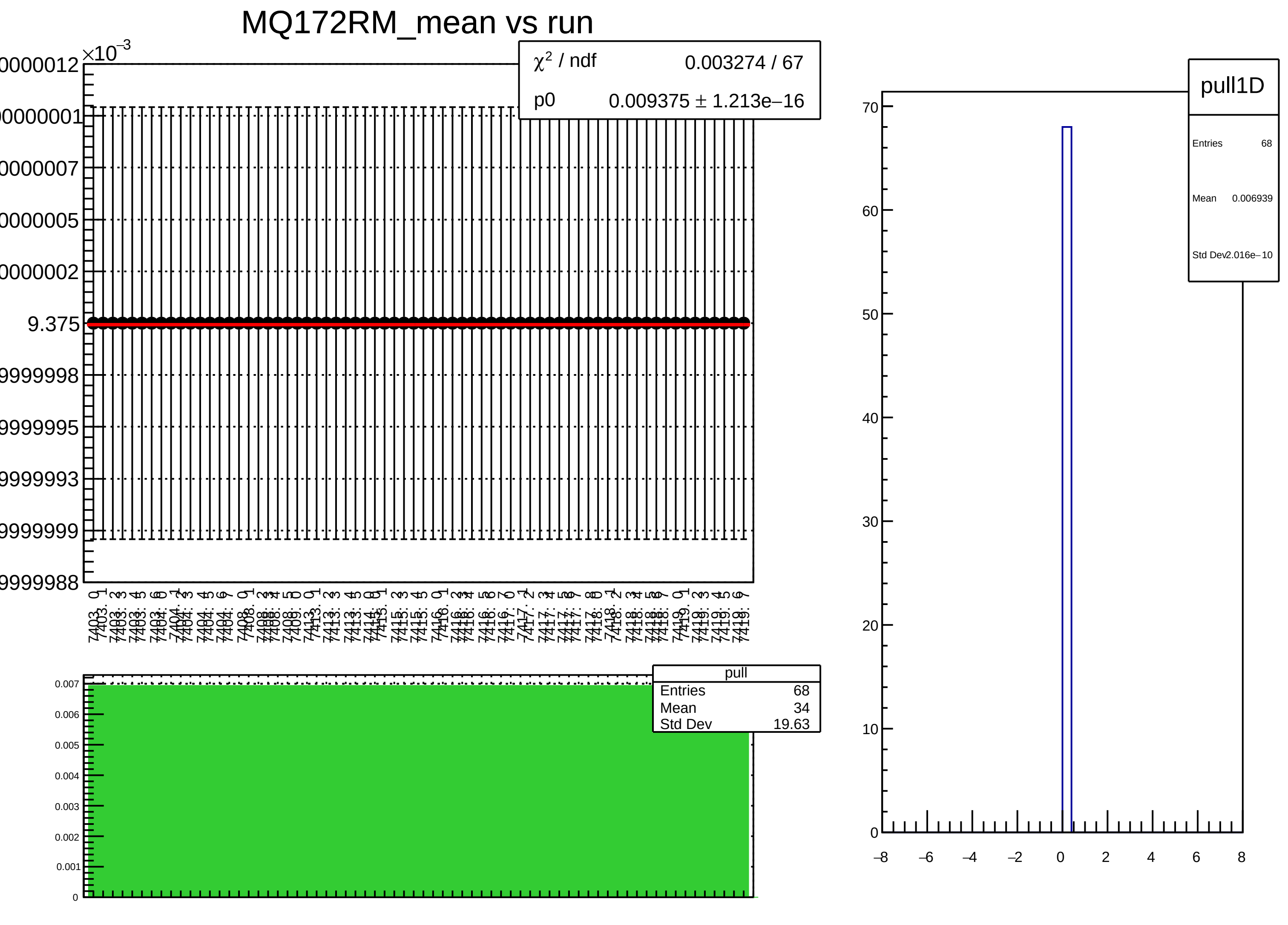


HacL_D1_HP3458A_IOUT_mean vs run
χ2 / ndf 8.193e+27 / 67
p0 741.5 ± 1.213e−16
741.53
741.525
741.52
741.515
741.51
741.505
741.5
pull
Entries 68
Mean −1.803e+09
Std Dev 1.803e+09
×10^12
pull1D
Entries 68
Mean 0
Std Dev 0

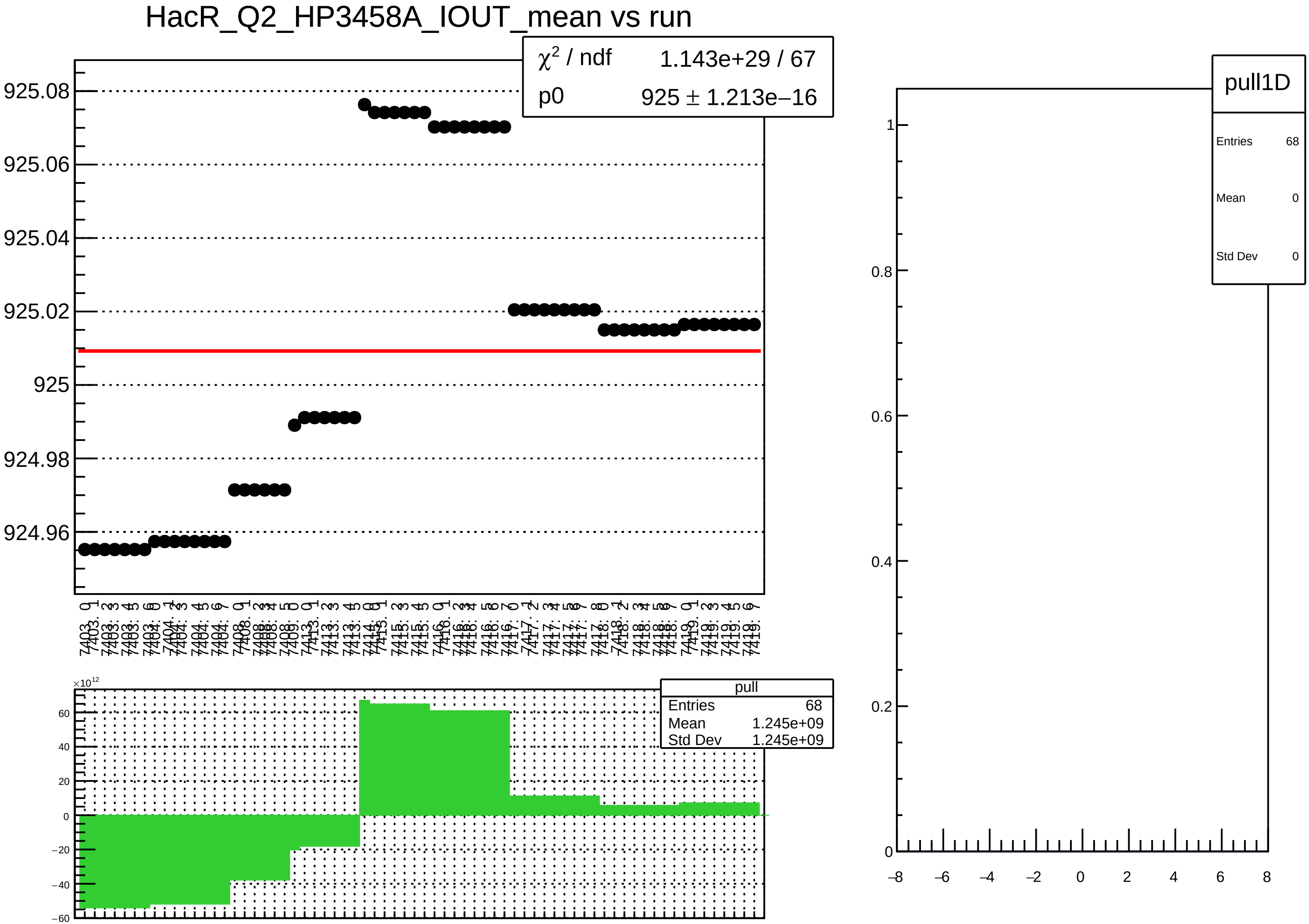

HacL_Q3_HP3458A_IOUT_mean vs run
χ^2 / ndf 1.446e+27 / 67
p0 980.8 ± 1.213e−16
980.792
980.79
980.788
980.786
980.784
980.782
980.78
980.778
980.776

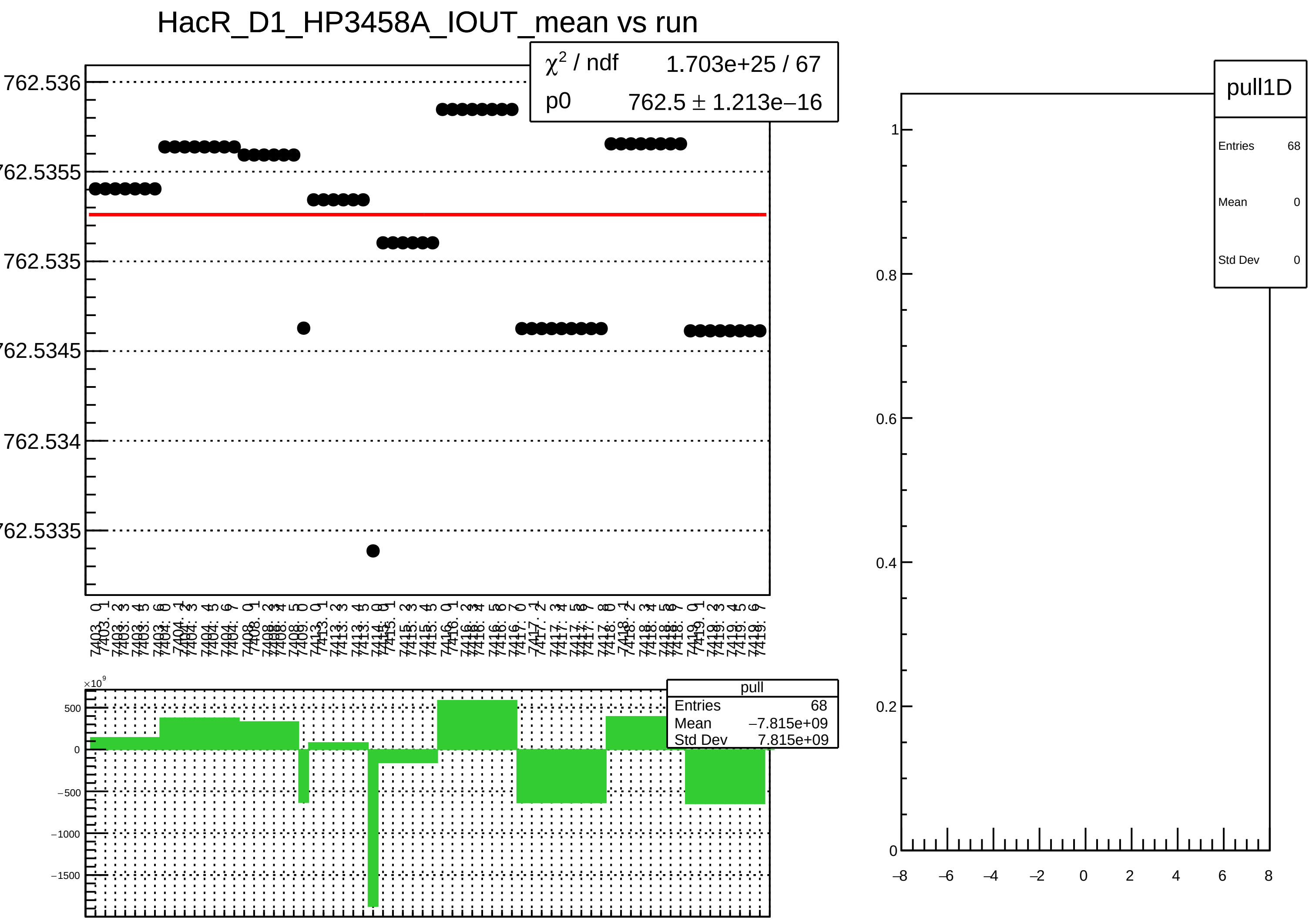

×10^9
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 68
Mean −1.792e+09
Std Dev 1.792e+09


pull1D
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

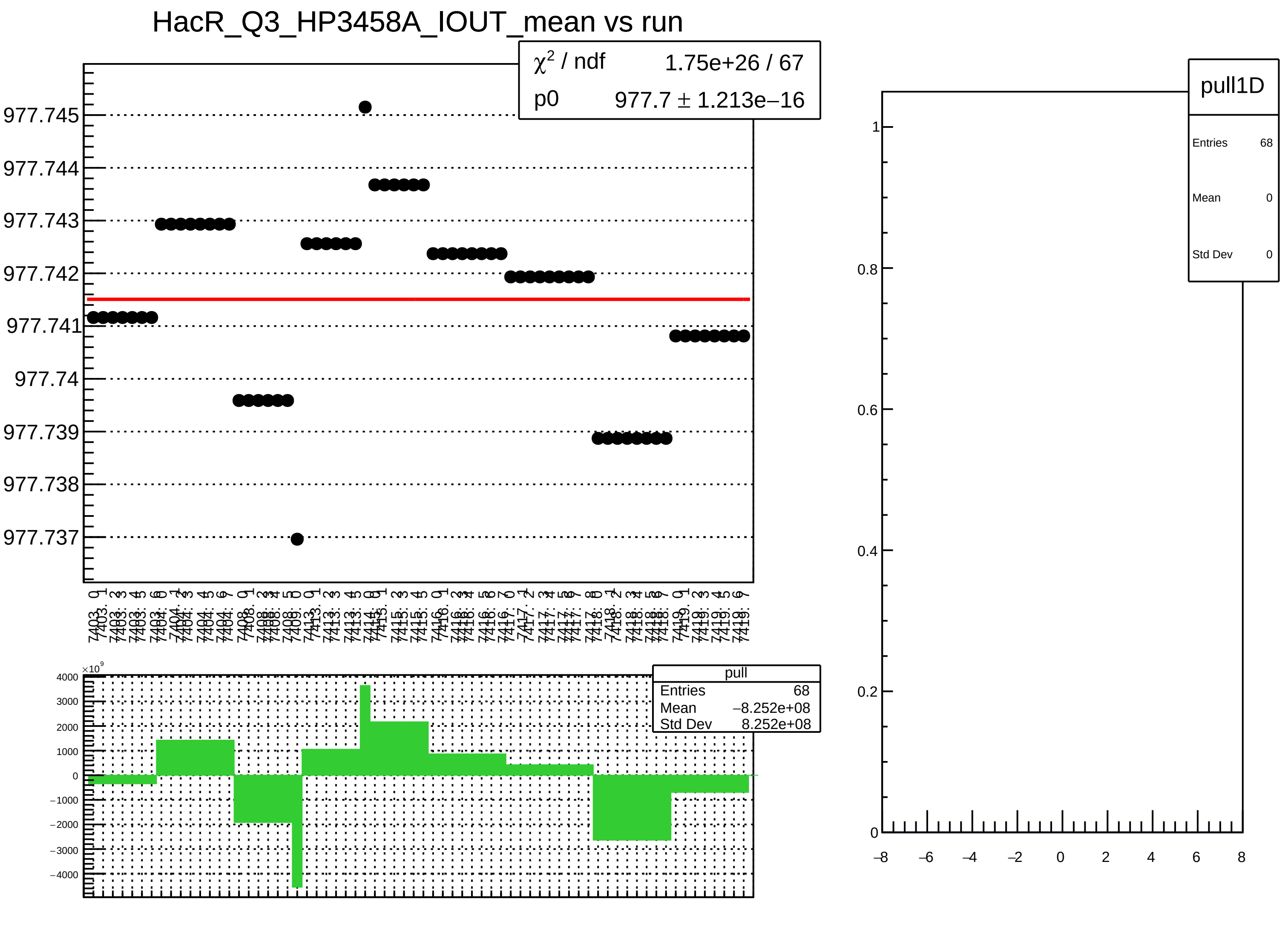


MQ172RM_mean vs run
χ^2 / ndf 0.003274 / 67
p0 0.009375 ± 1.213e−16
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 0.006939
Std Dev2.016e−10


HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.143e+29 / 67
p0 925 ± 1.213e−16
925.08
925.06
925.04
925.02
925
924.98
924.96
×10¹²
60
40
20
0
−20
−40
−60
pull
Entries 68
Mean 1.245e+09
Std Dev 1.245e+09
pull1D
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

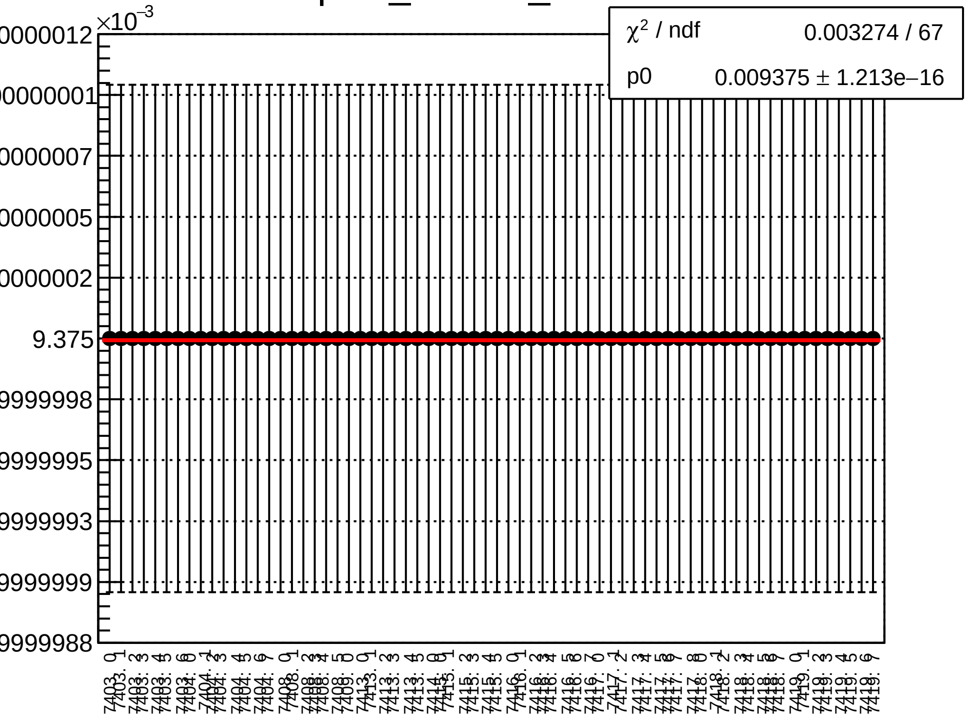


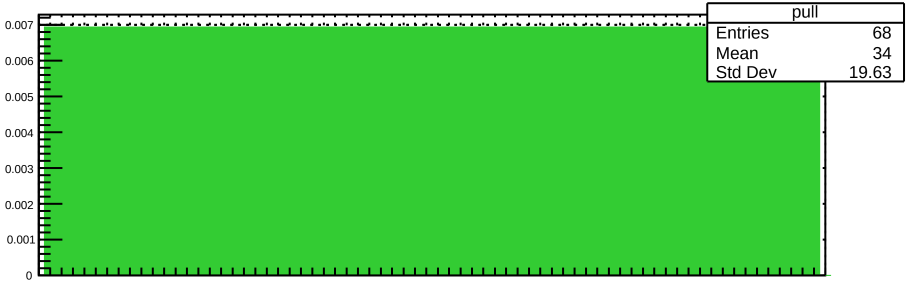
HacR_D1_HP3458A_IOUT_mean vs run
χ2 / ndf 1.703e+25 / 67
p0 762.5 ± 1.213e−16
pull
Entries 68
Mean −7.815e+09
Std Dev 7.815e+09
pull1D
Entries 68
Mean 0
Std Dev 0

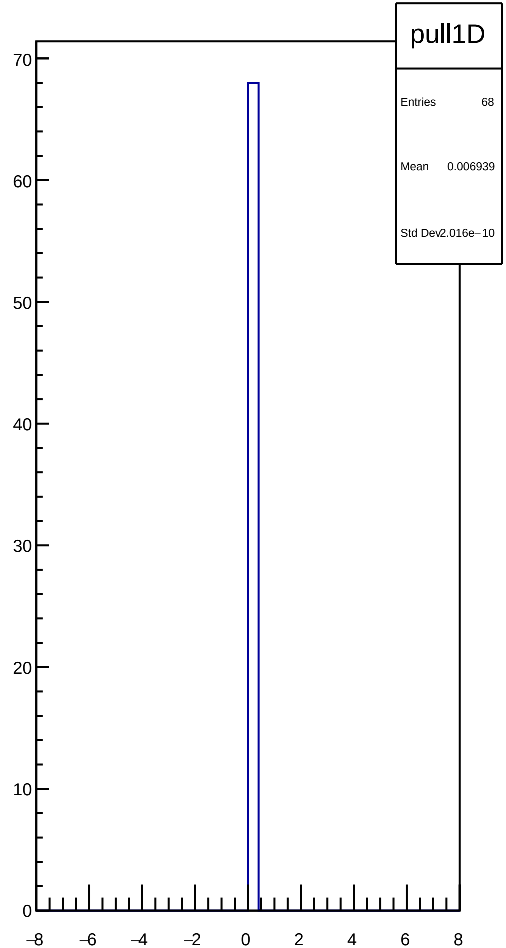


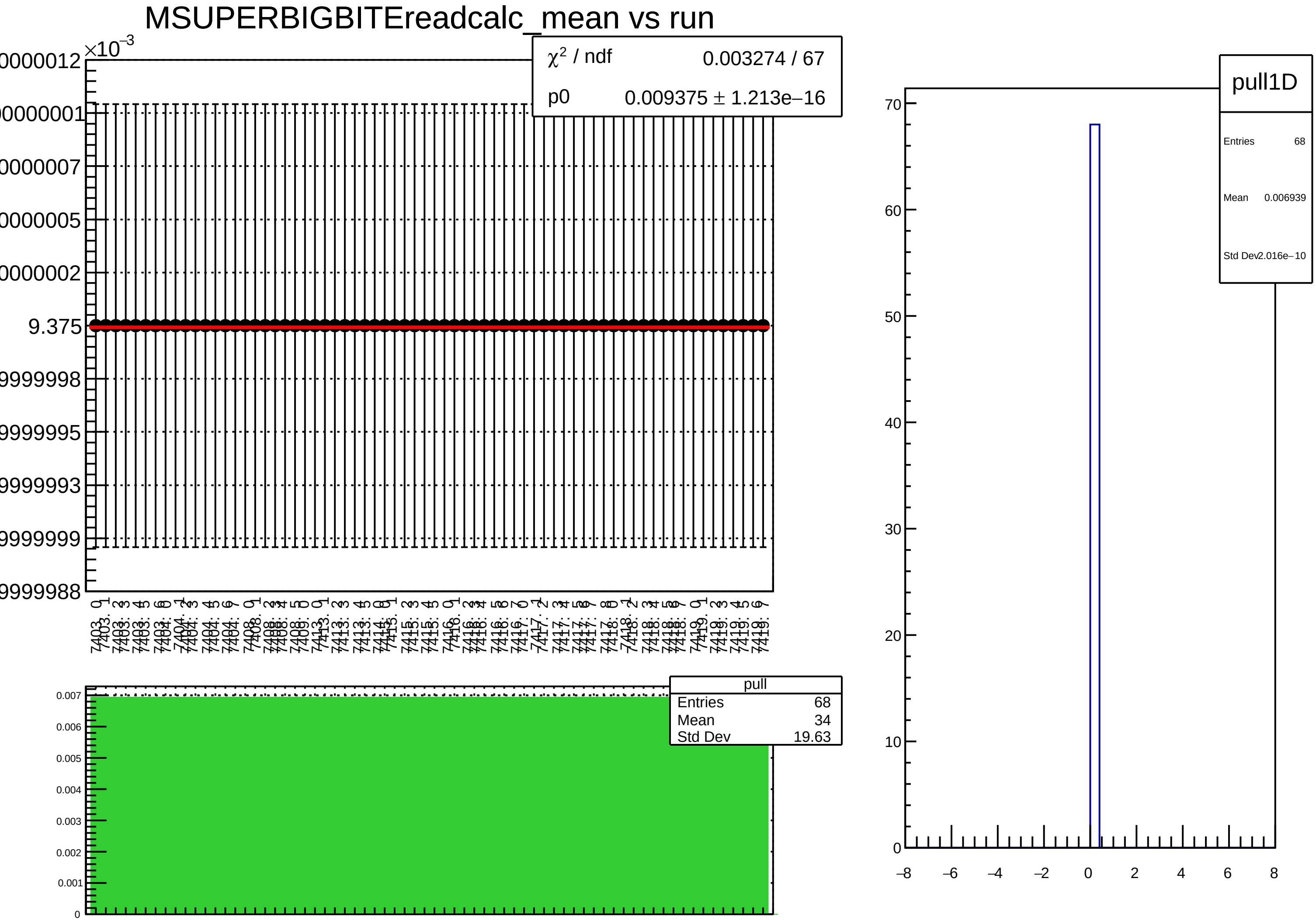
HacR_Q3_HP3458A_IOUT_mean vs run
χ^2 / ndf 1.75e+26 / 67
p0 977.7 ± 1.213e−16
pull
Entries 68
Mean −8.252e+08
Std Dev 8.252e+08
pull1D
Entries 68
Mean 0
Std Dev 0

hesDipole_current_mean vs run

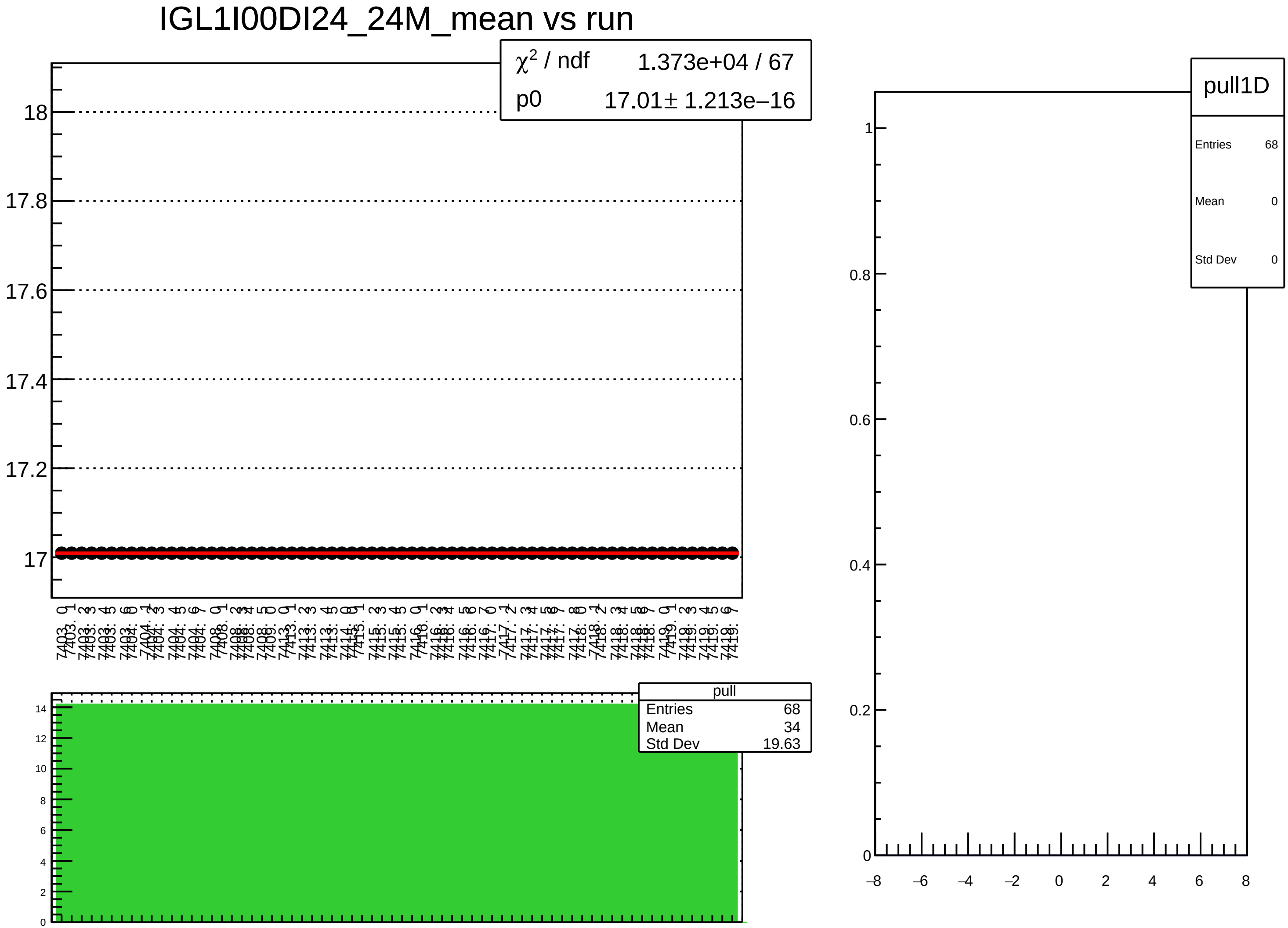


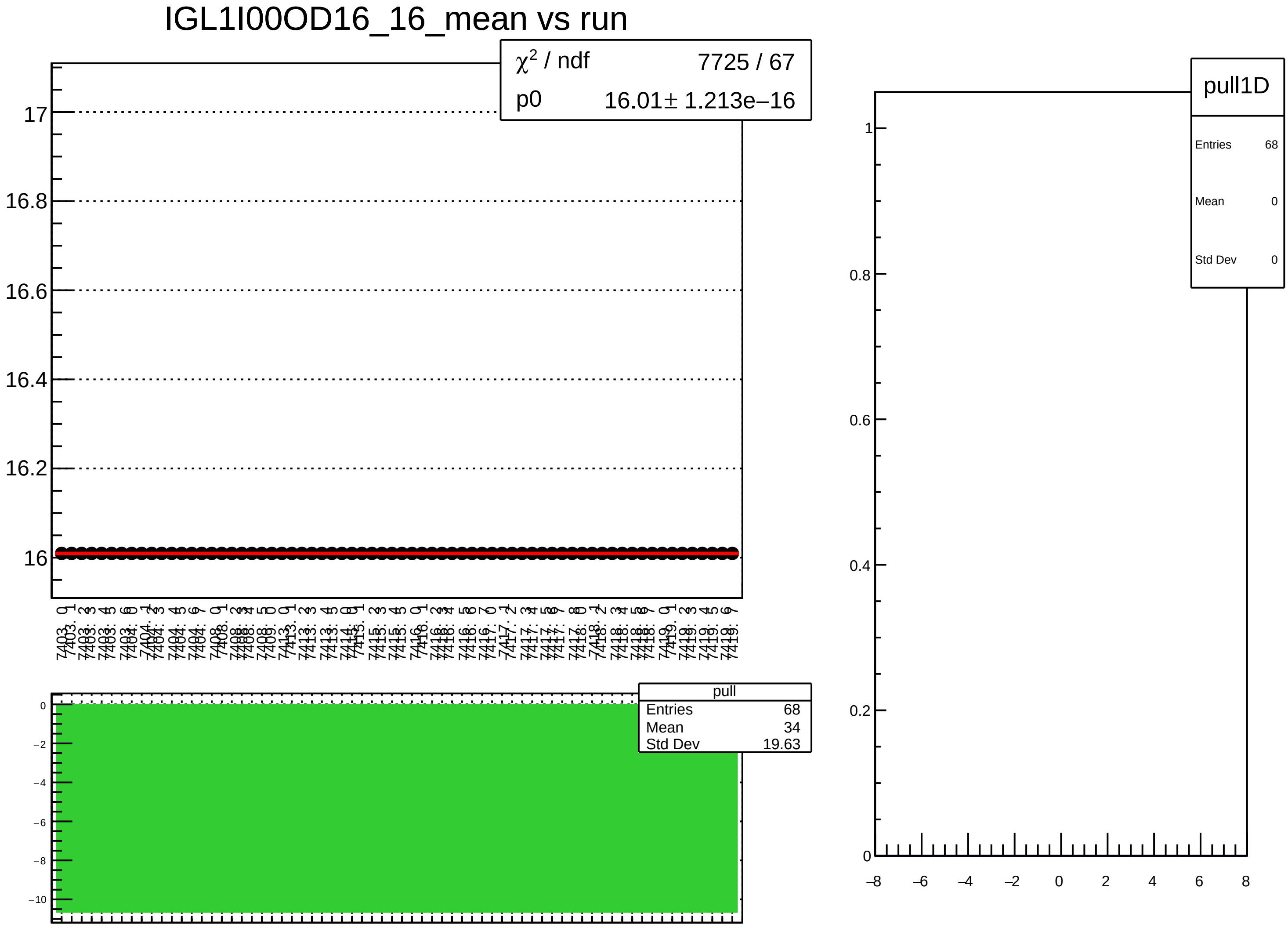


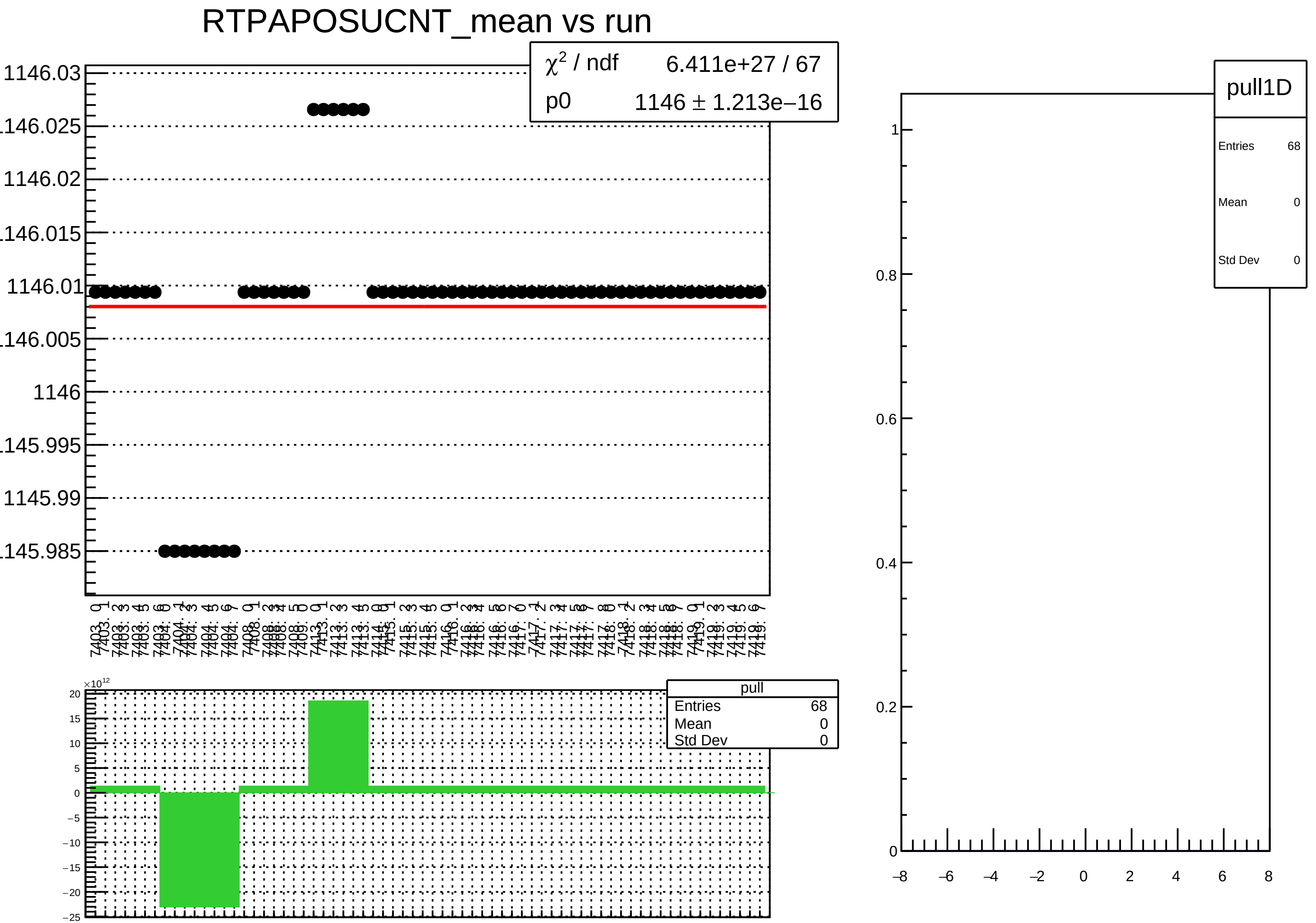




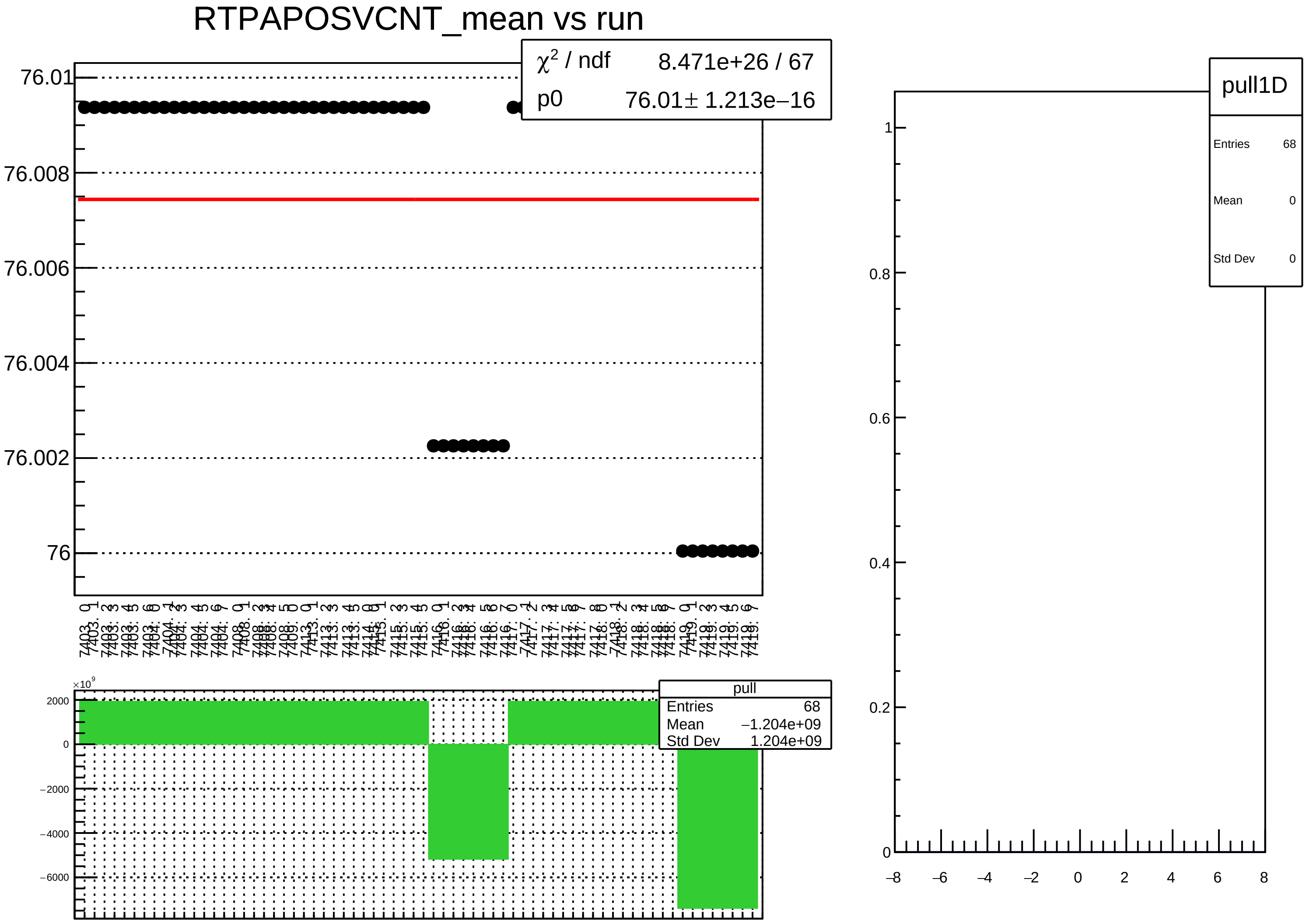
MSUPERBIGBITEreadcalc_mean vs run
χ^2 / ndf 0.003274 / 67
p0 0.009375 ± 1.213e−16
9.375
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 0.006939
Std Dev 2.016e−10


IGL1I00DI24_24M_mean vs run
χ2 / ndf 1.373e+04 / 67
p0 17.01± 1.213e−16
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 0
Std Dev 0


IGL1I00OD16_16_mean vs run
χ^2 / ndf 7725 / 67
p0 16.01± 1.213e−16
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 0
Std Dev 0



RTPAPOSUCNT_mean vs run
χ^2 / ndf 6.411e+27 / 67
p0 1146 ± 1.213e−16
1146.03
1146.025
1146.02
1146.015
1146.01
1146.005
1146
1145.995
1145.99
1145.985
×10^12
pull
Entries 68
Mean 0
Std Dev 0
pull1D
Entries 68
Mean 0
Std Dev 0


RTPAPOSVCNT_mean vs run
χ2 / ndf 8.471e+26 / 67
p0 76.01± 1.213e−16
76.01
76.008
76.006
76.004
76.002
76
×10^9
2000
0
−2000
−4000
−6000
pull
Entries 68
Mean −1.204e+09
Std Dev 1.204e+09
pull1D
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8