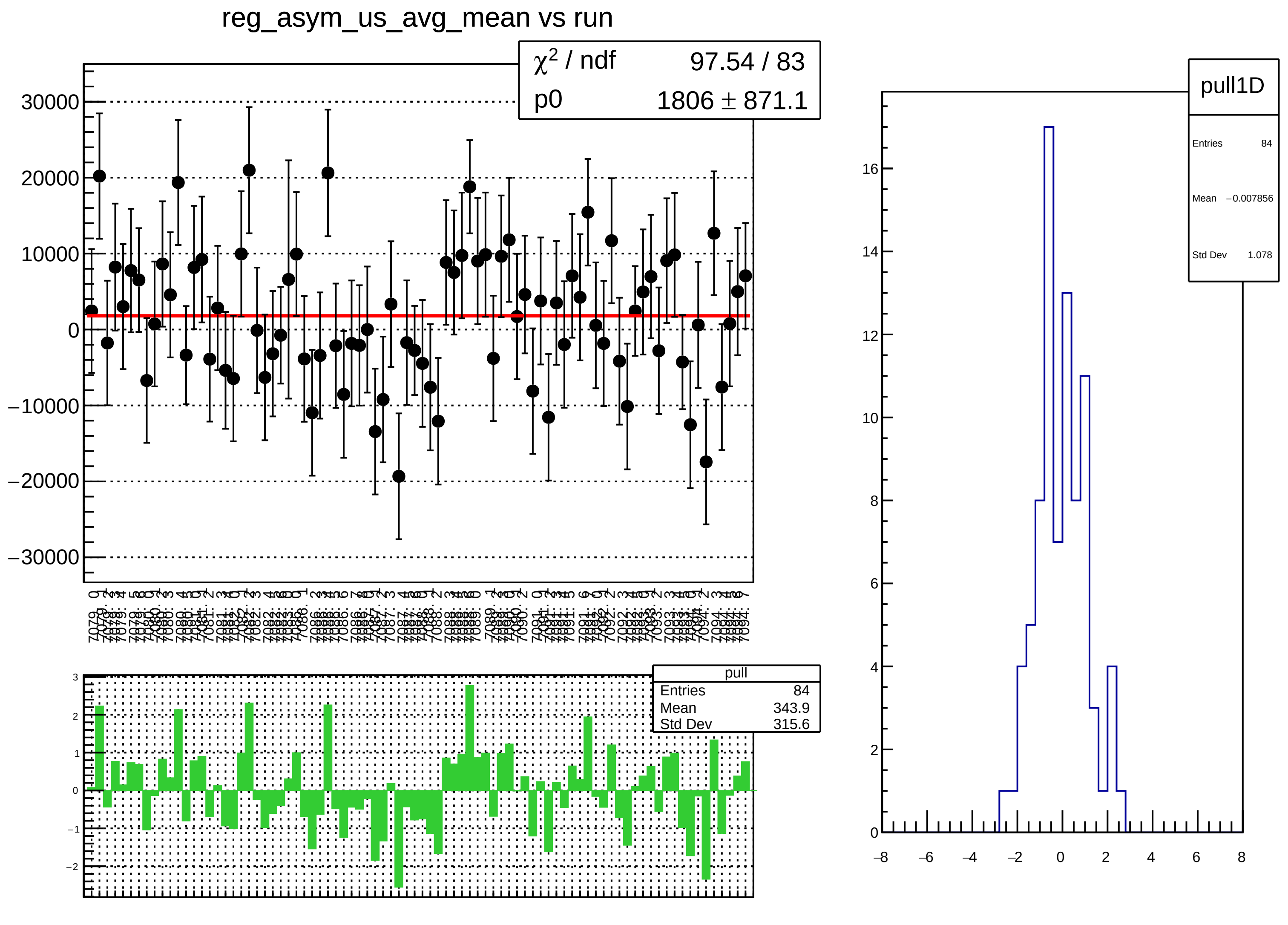
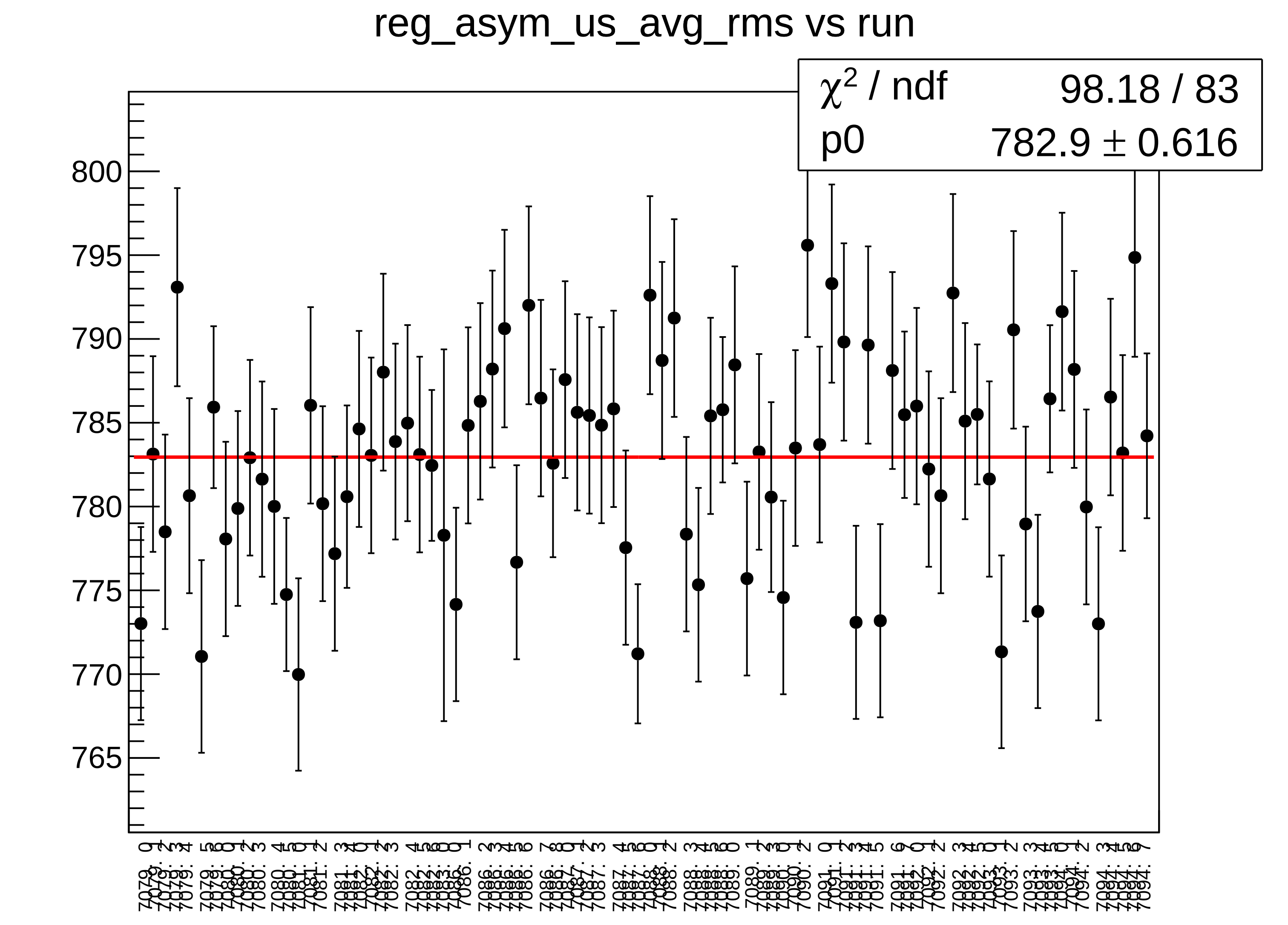
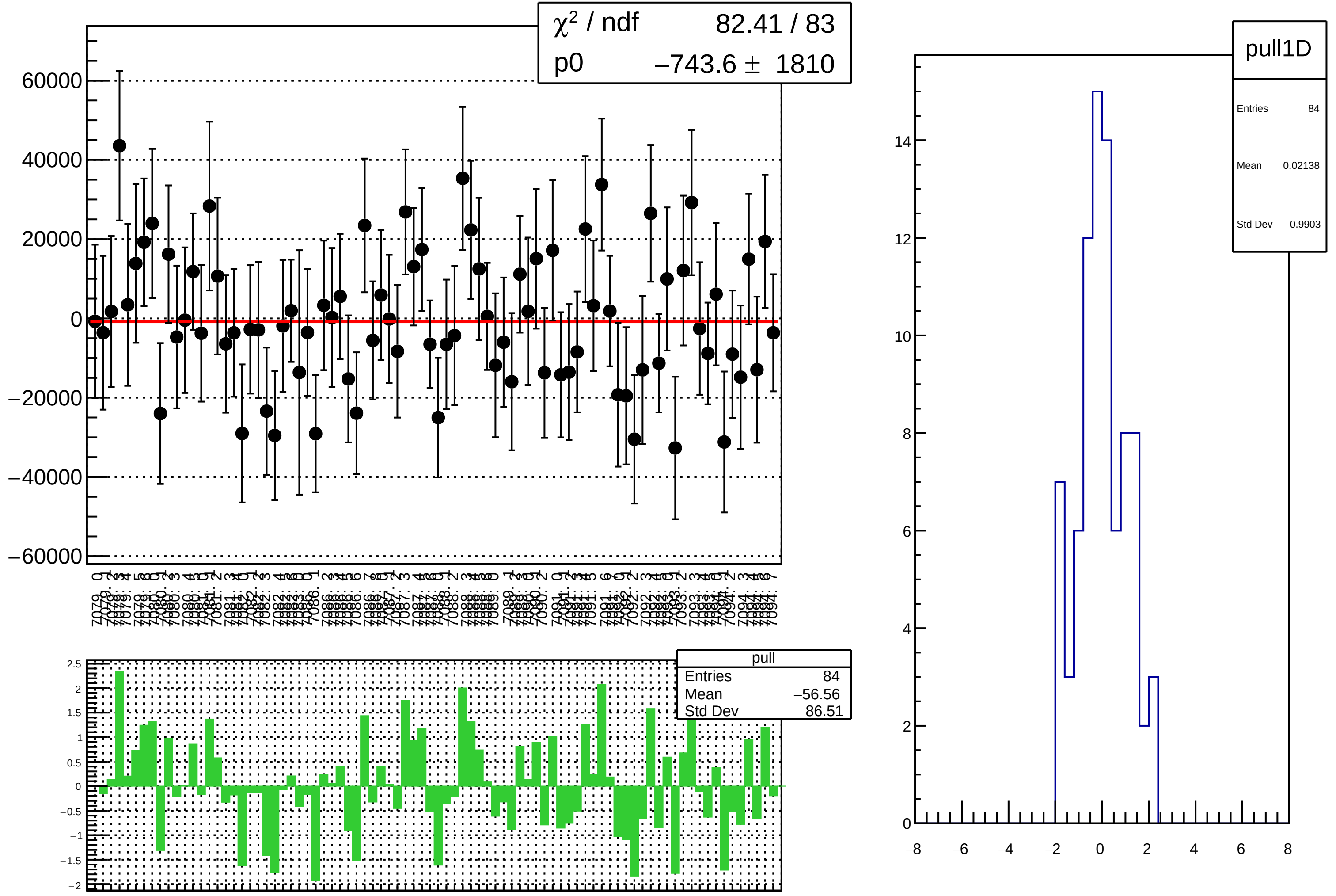


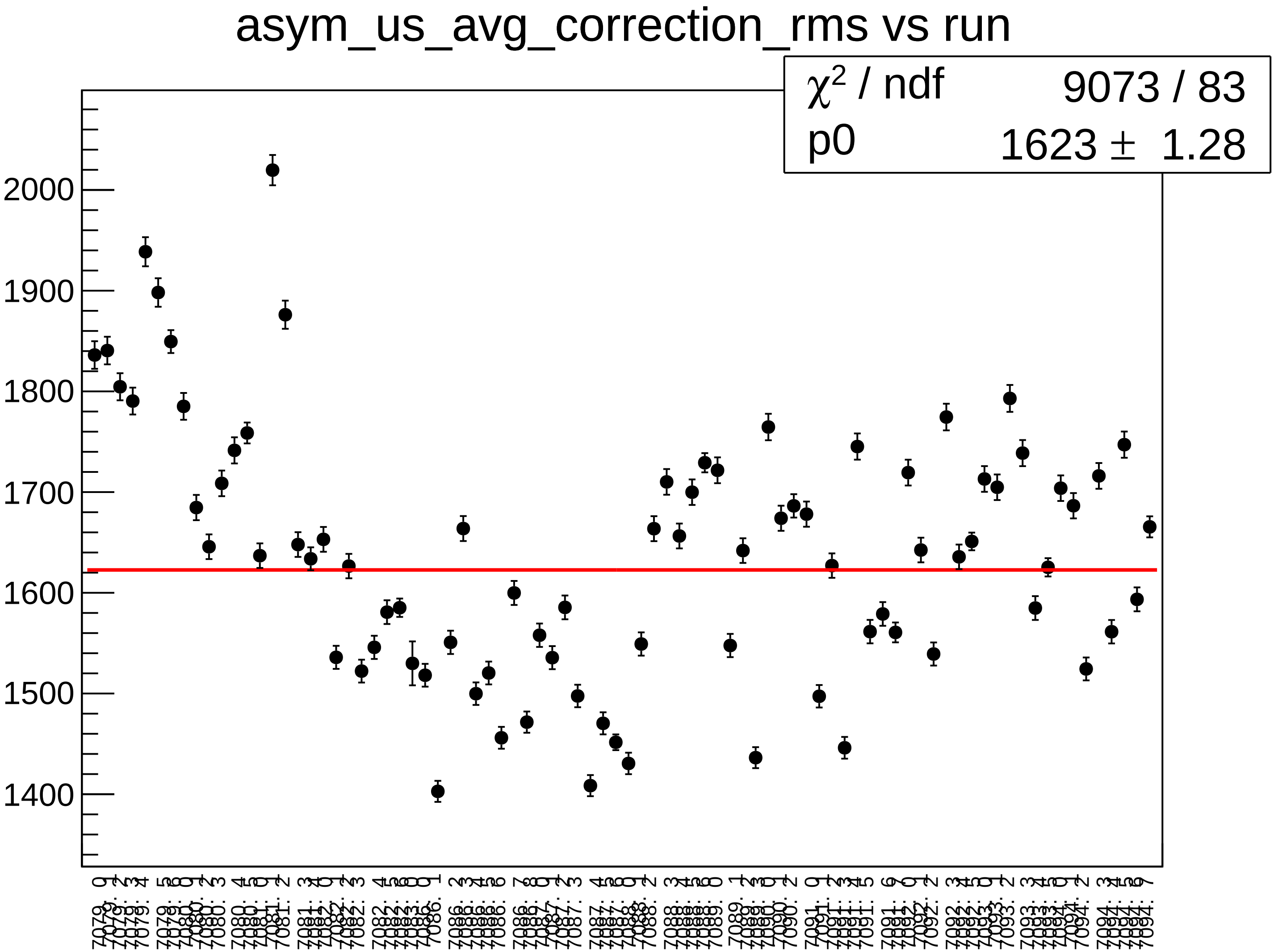
reg_asym_us_avg_mean vs run
χ^2 / ndf 97.54 / 83
p0 1806 ± 871.1
pull
Entries 84
Mean 343.9
Std Dev 315.6
pull1D
Entries 84
Mean −0.007856
Std Dev 1.078

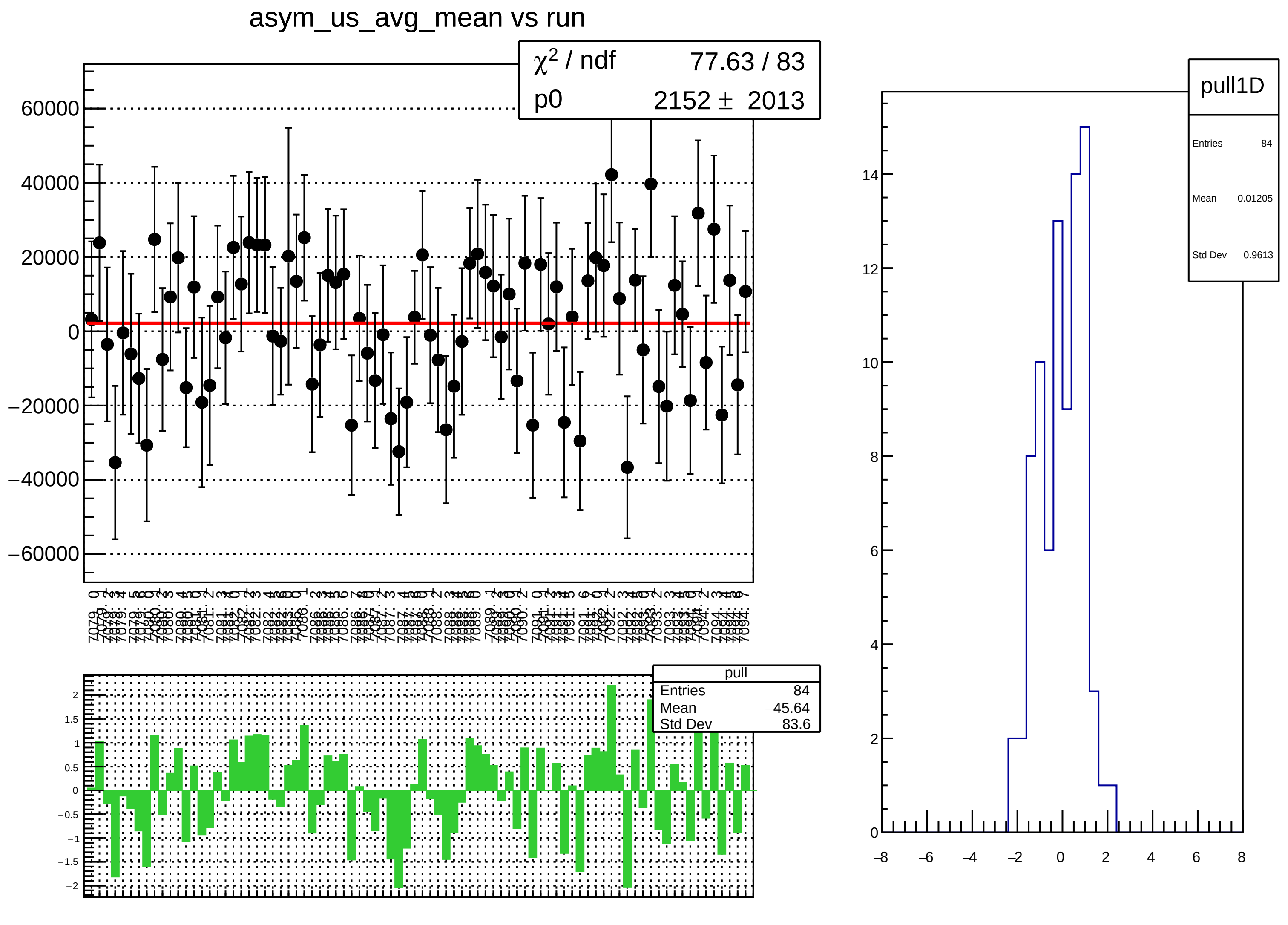


reg_asym_us_avg_rms vs run
χ^2 / ndf 98.18 / 83
p0 782.9 ± 0.616
800
795
790
785
780
775
770
765

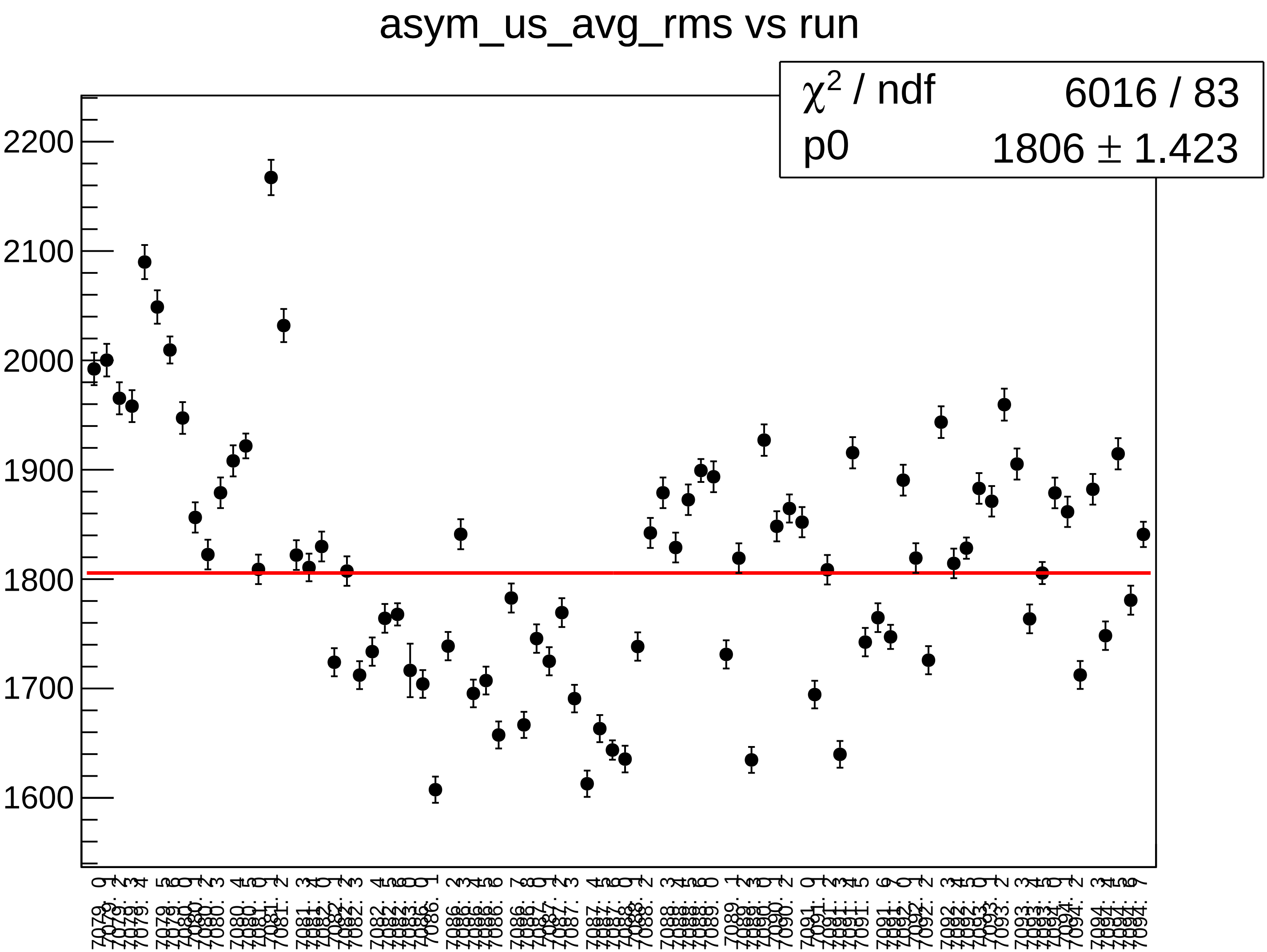
asym_us_avg_correction_mean vs run



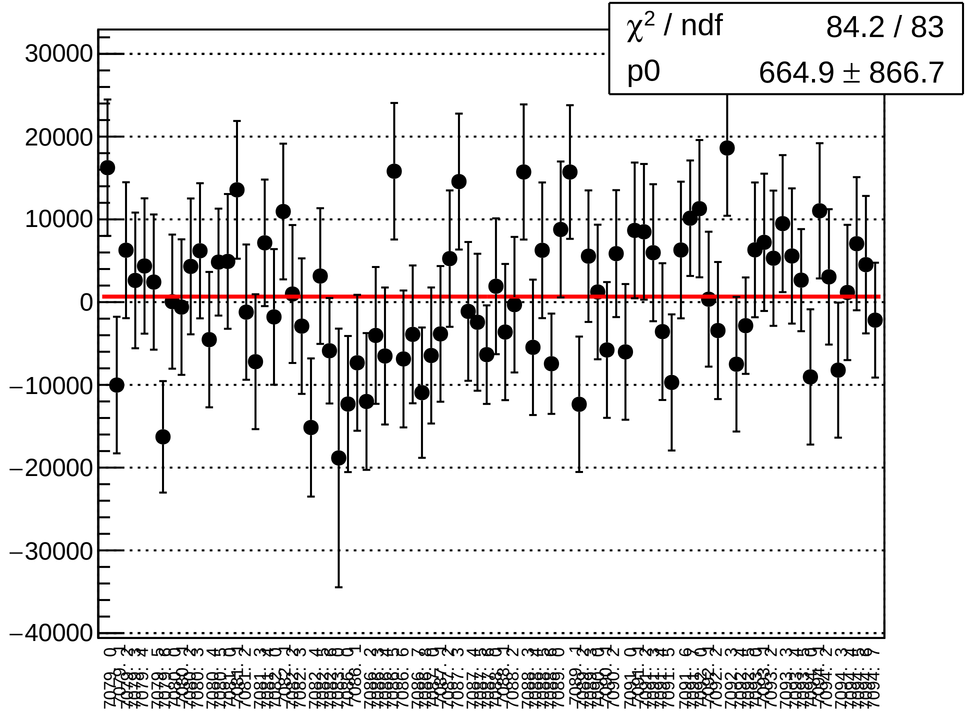

asym_us_avg_correction_rms vs run
χ^2 / ndf 9073 / 83
p0 1623 ± 1.28
2000
1900
1800
1700
1600
1500
1400

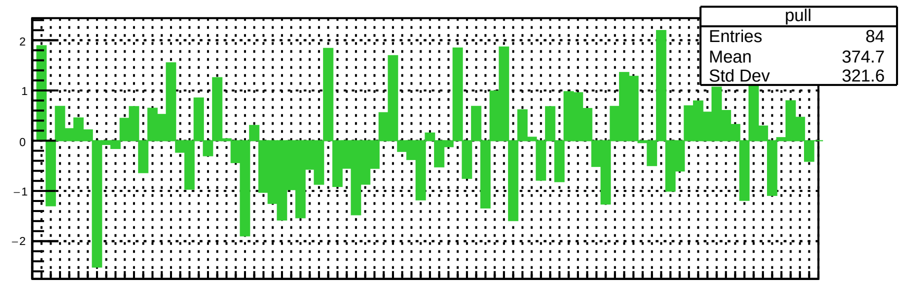


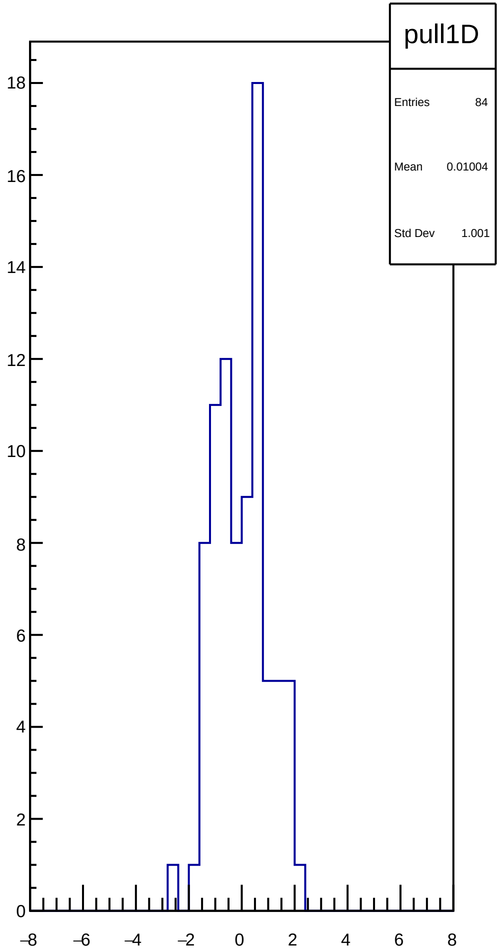
asym_us_avg_mean vs run
χ^2 / ndf 77.63 / 83
p0 2152 ± 2013
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −45.64
Std Dev 83.6
pull1D
Entries 84
Mean −0.01205
Std Dev 0.9613

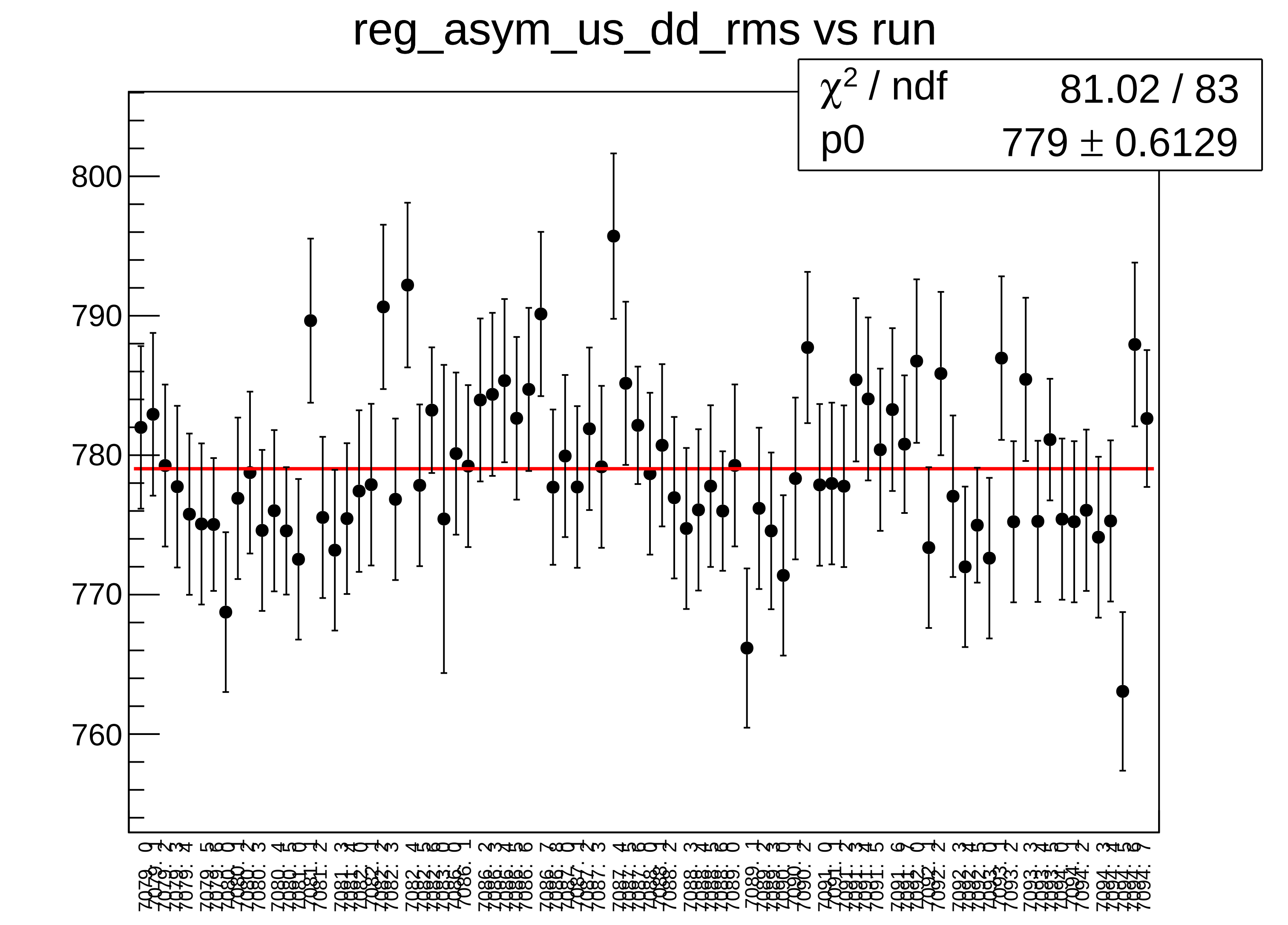

asym_us_avg_rms vs run
χ2 / ndf 6016 / 83
p0 1806 ± 1.423
2200
2100
2000
1900
1800
1700
1600

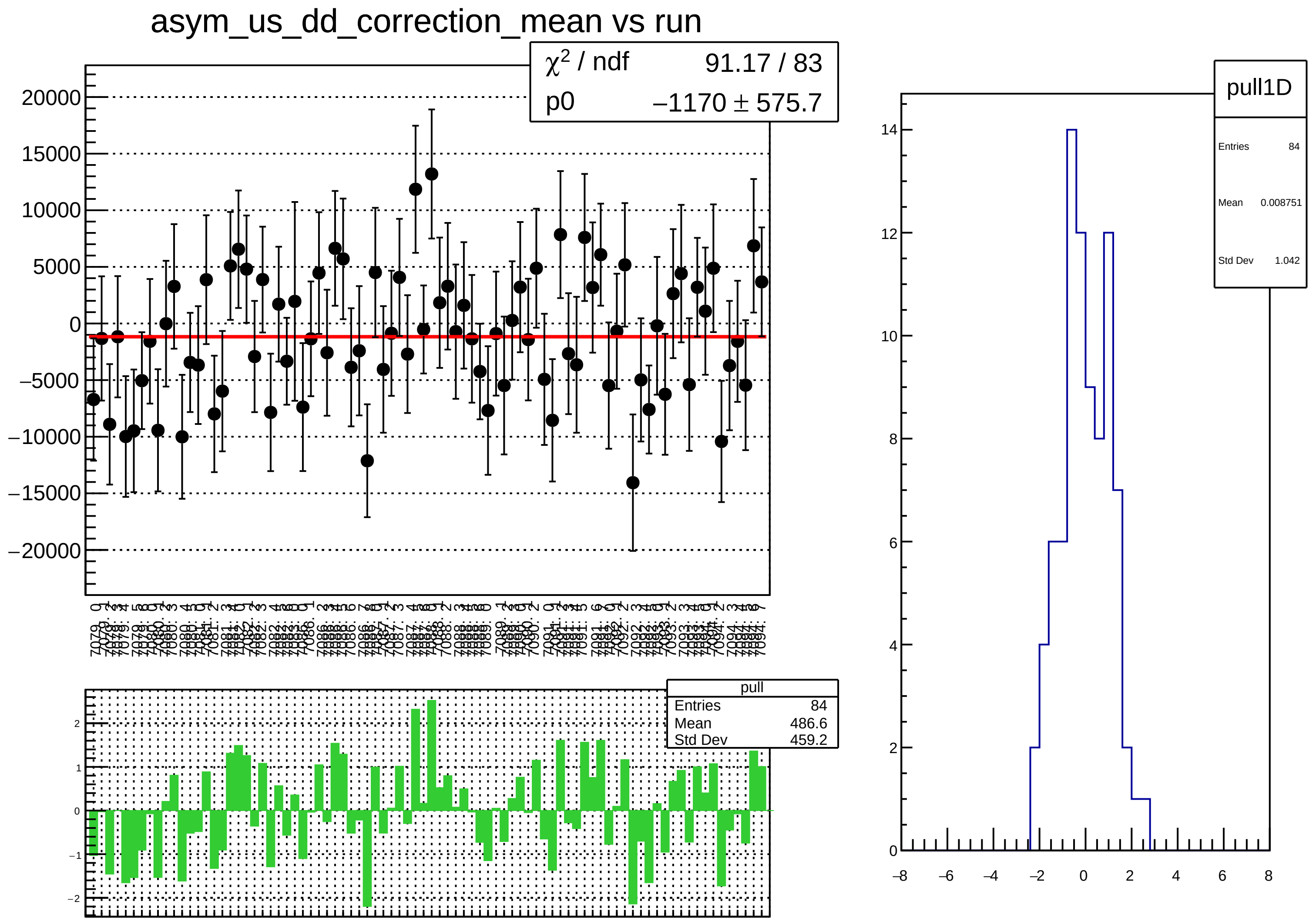
reg_asym_us_dd_mean vs run



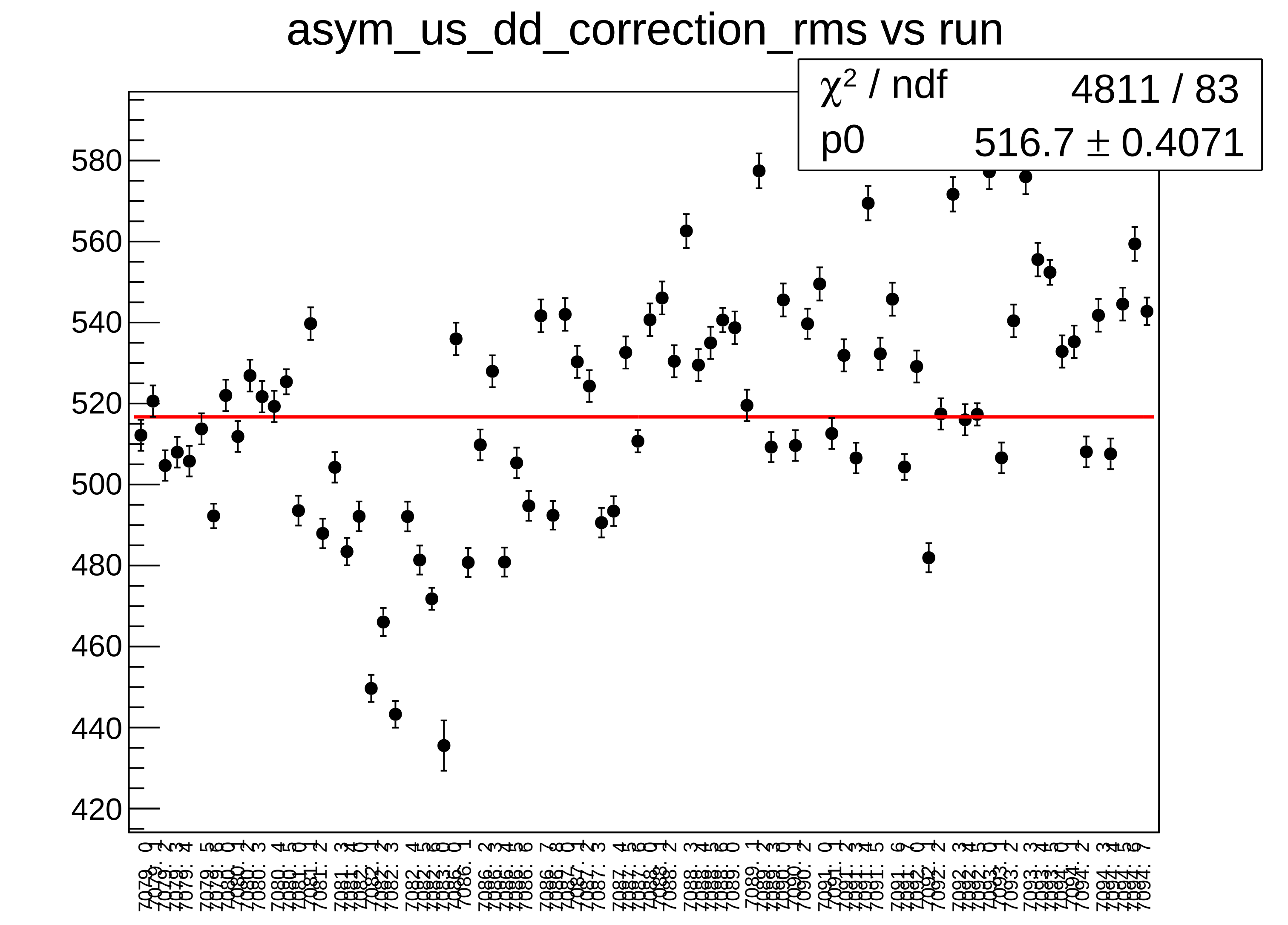


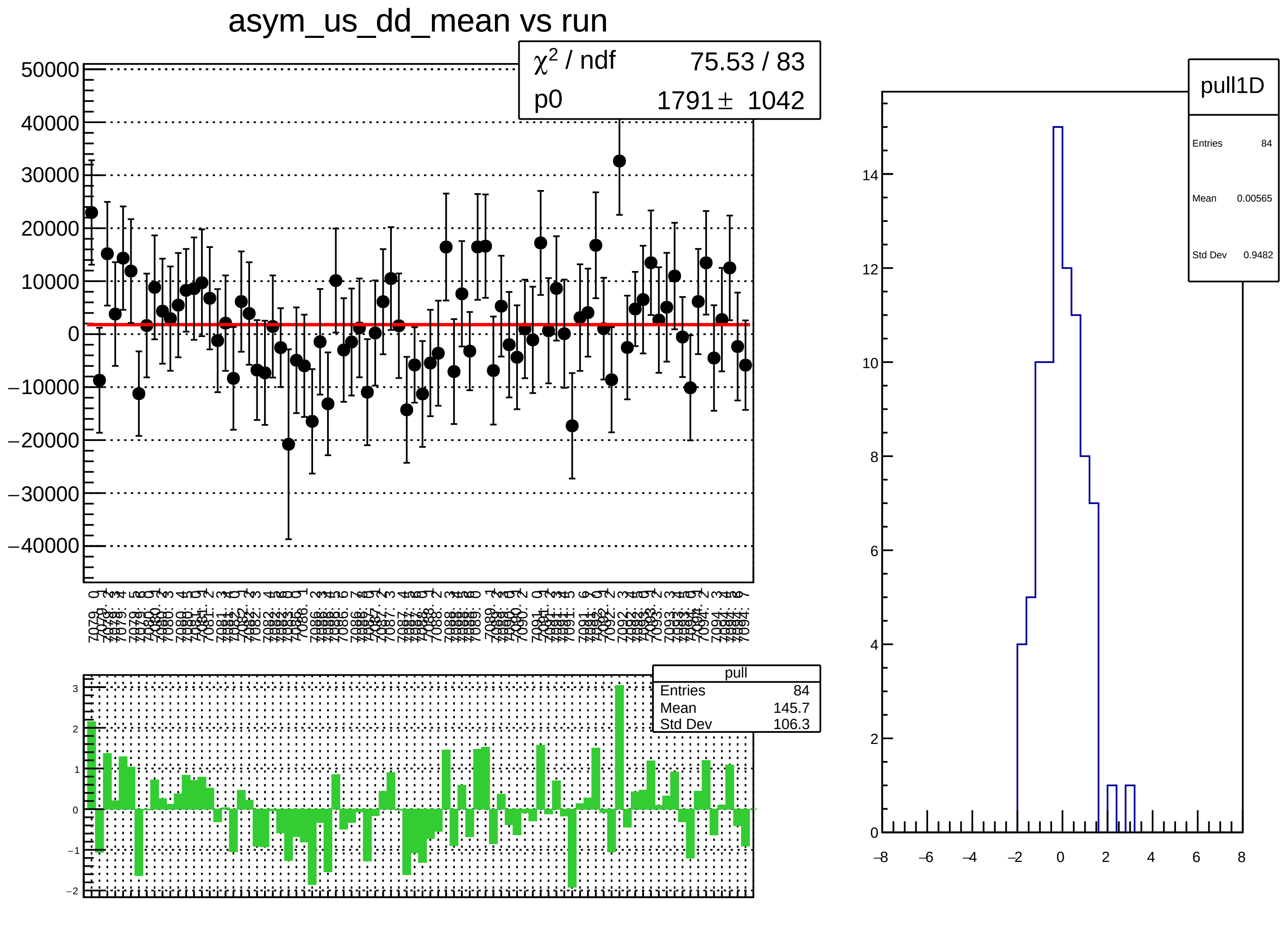


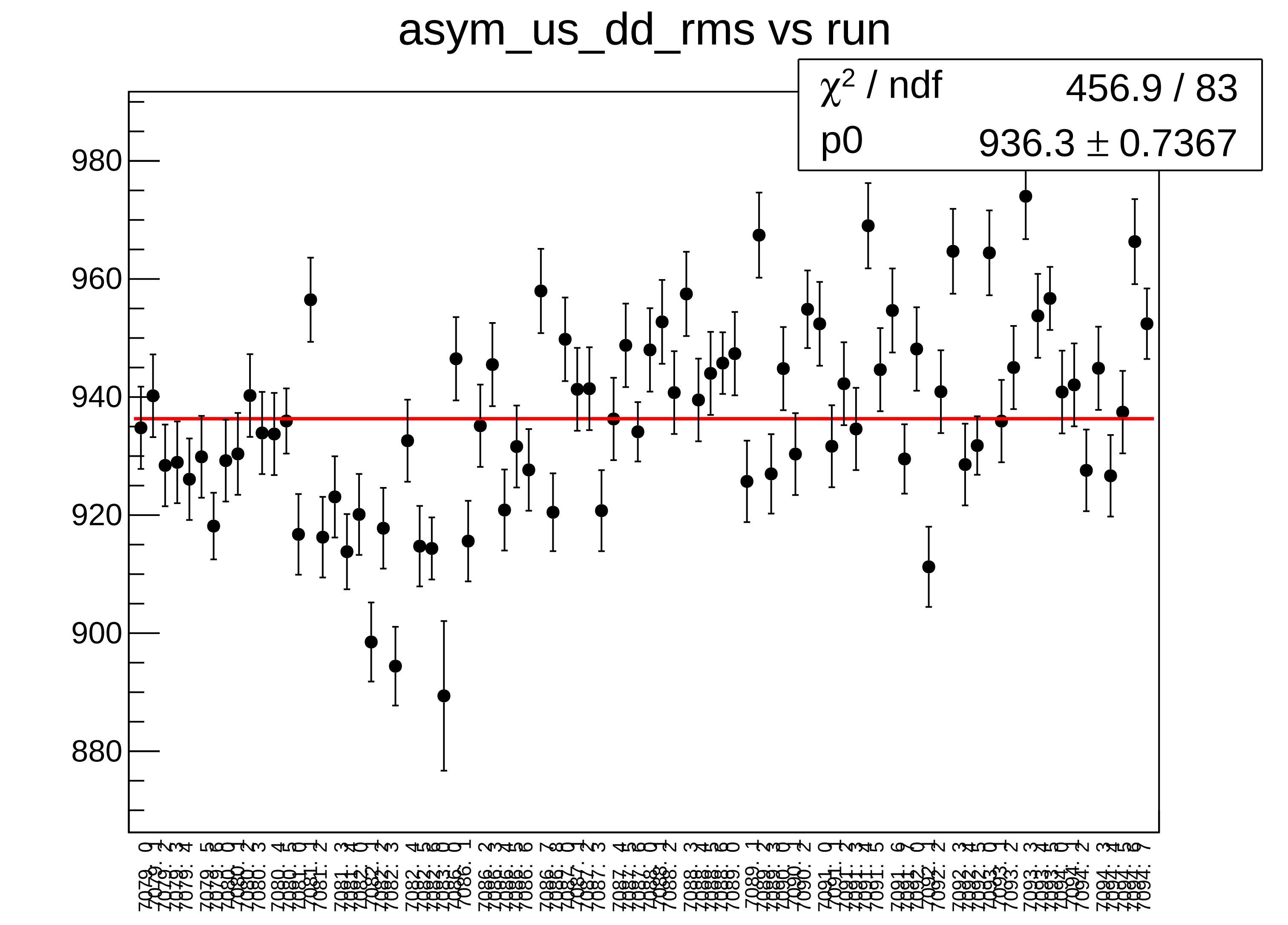

reg_asym_us_dd_rms vs run
χ2 / ndf 81.02 / 83
p0 779 ± 0.6129
800
790
780
770
760



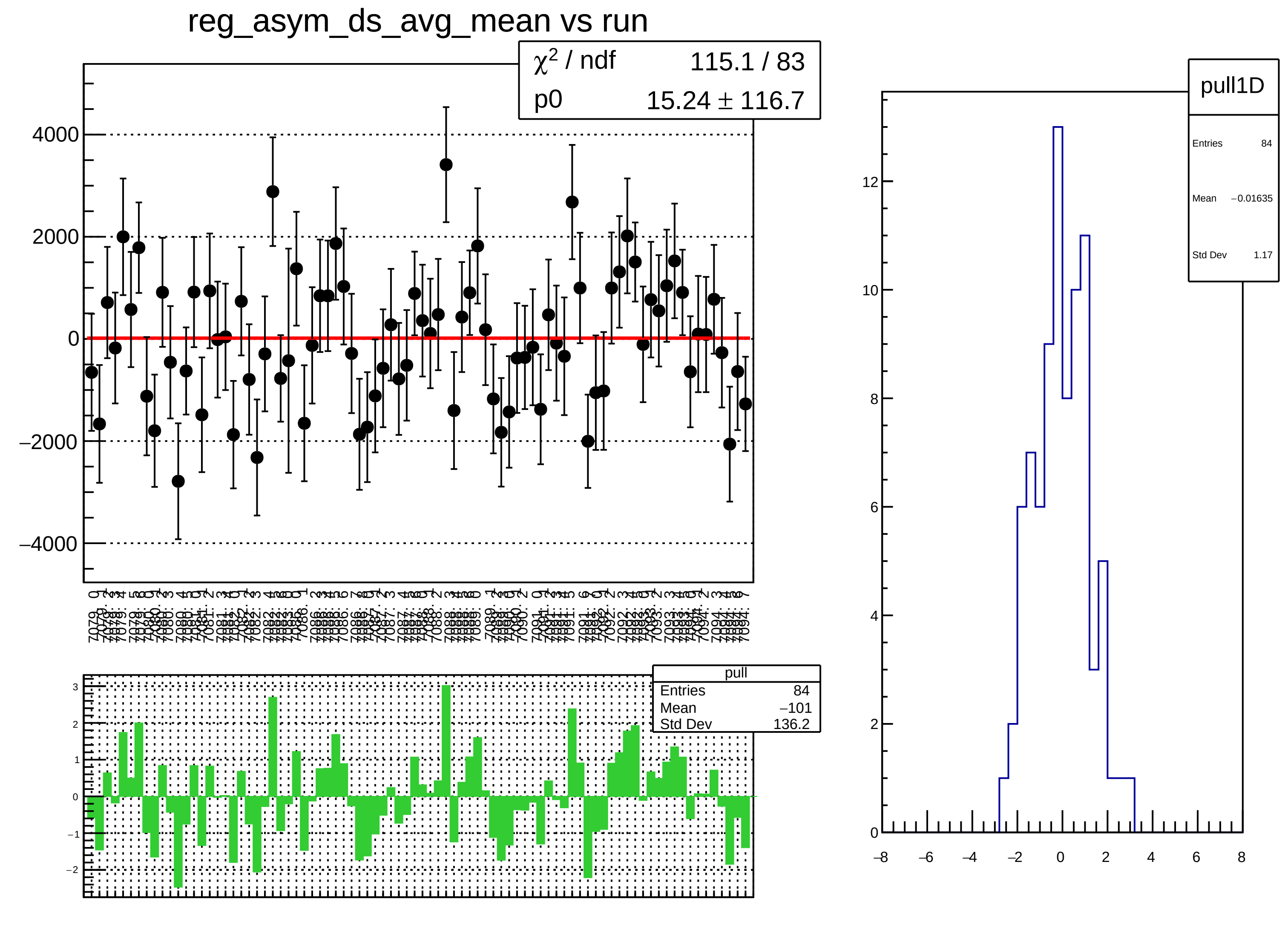
asym_us_dd_correction_mean vs run
χ^2 / ndf 91.17 / 83
p0 −1170 ± 575.7
pull
Entries 84
Mean 486.6
Std Dev 459.2
pull1D
Entries 84
Mean 0.008751
Std Dev 1.042

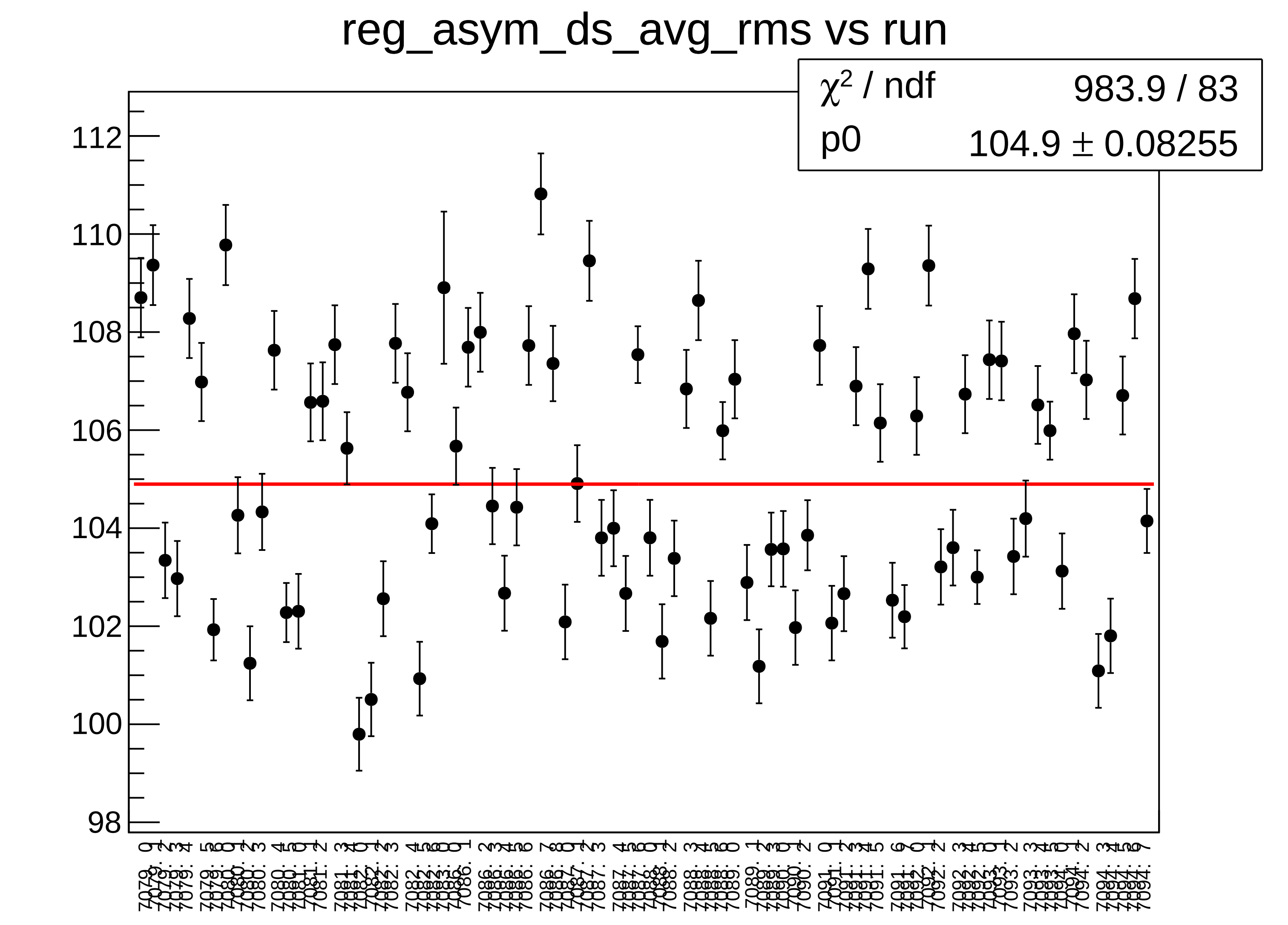

asym_us_dd_correction_rms vs run
χ2 / ndf 4811 / 83
p0 516.7 ± 0.4071

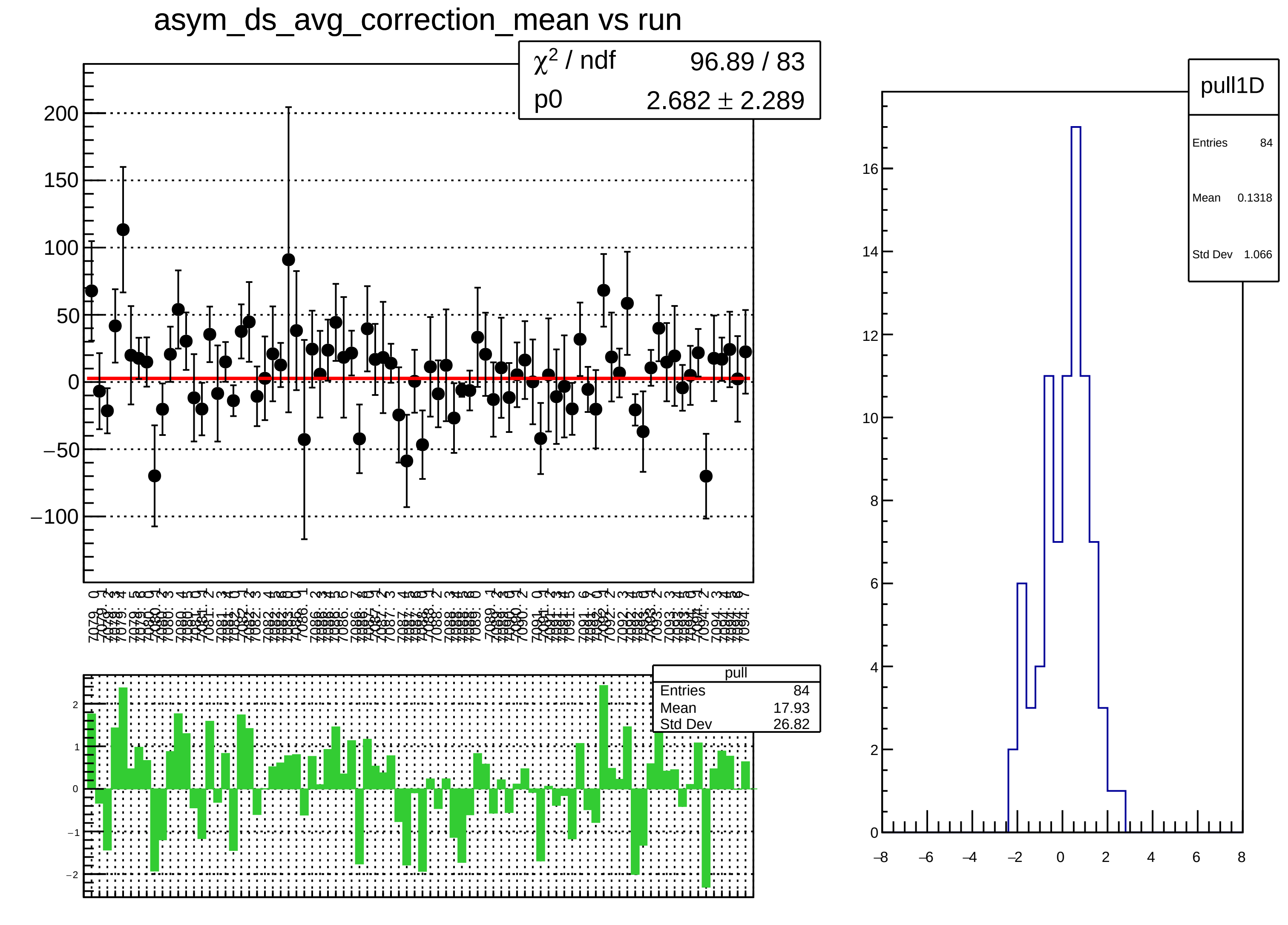

asym_us_dd_mean vs run
χ^2 / ndf 75.53 / 83
p0 1791 ± 1042
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean 145.7
Std Dev 106.3
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.00565
Std Dev 0.9482
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



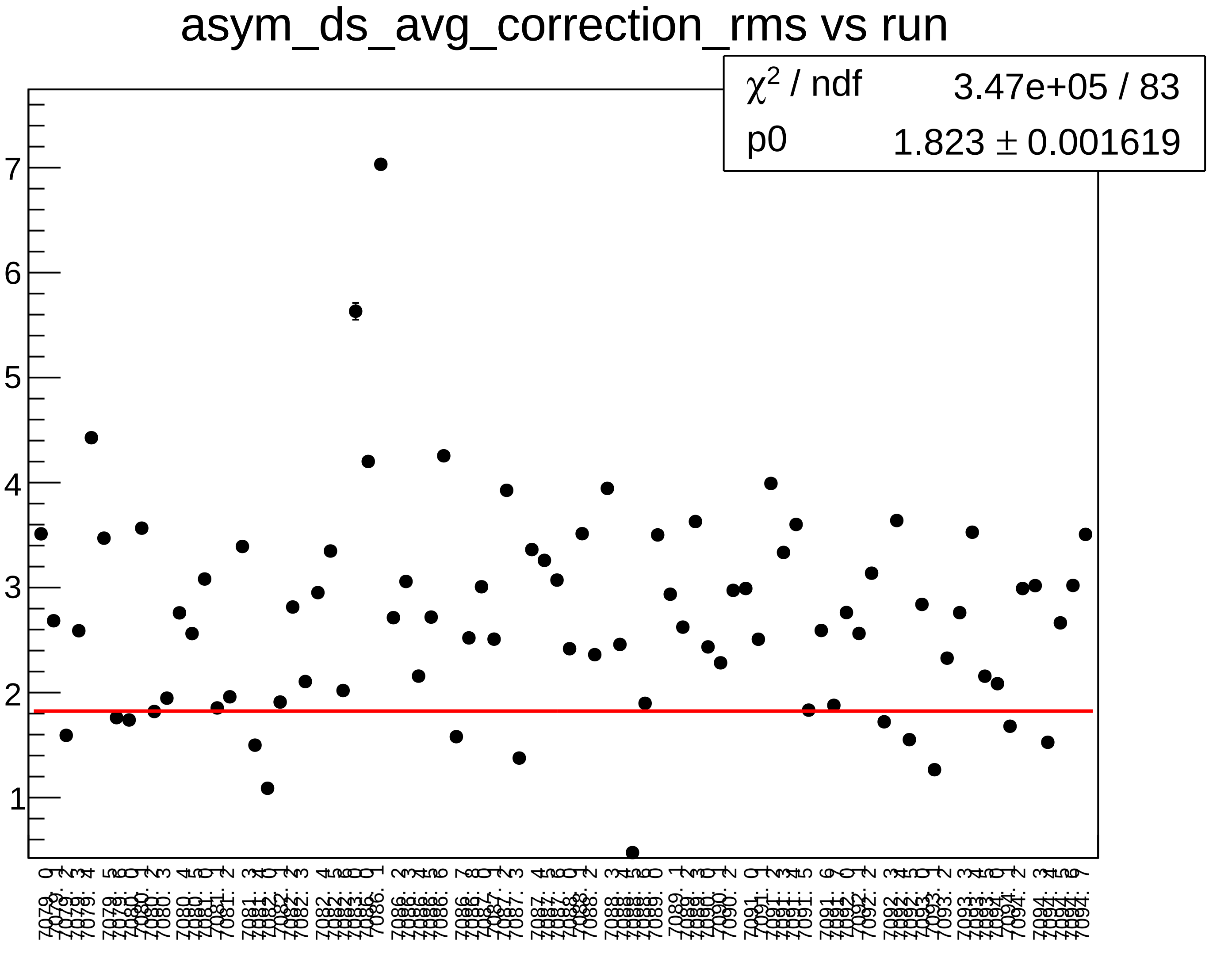
asym_us_dd_rms vs run
χ^2 / ndf 456.9 / 83
p0 936.3 ± 0.7367
980
960
940
920
900
880

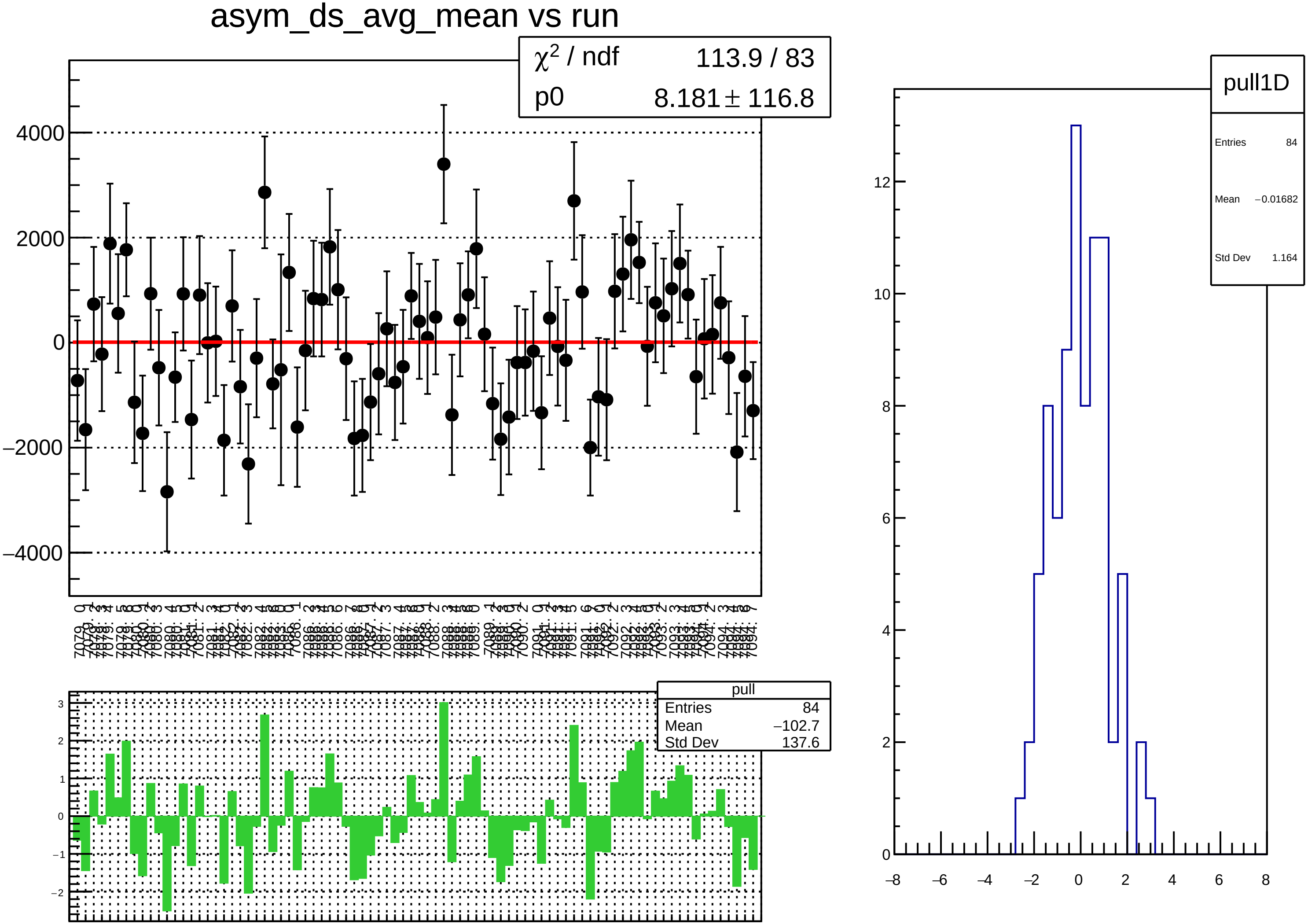

reg_asym_ds_avg_mean vs run
χ2 / ndf 115.1 / 83
p0 15.24 ± 116.7
4000
2000
0
−2000
−4000
pull
Entries 84
Mean −101
Std Dev 136.2
3
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.01635
Std Dev 1.17
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

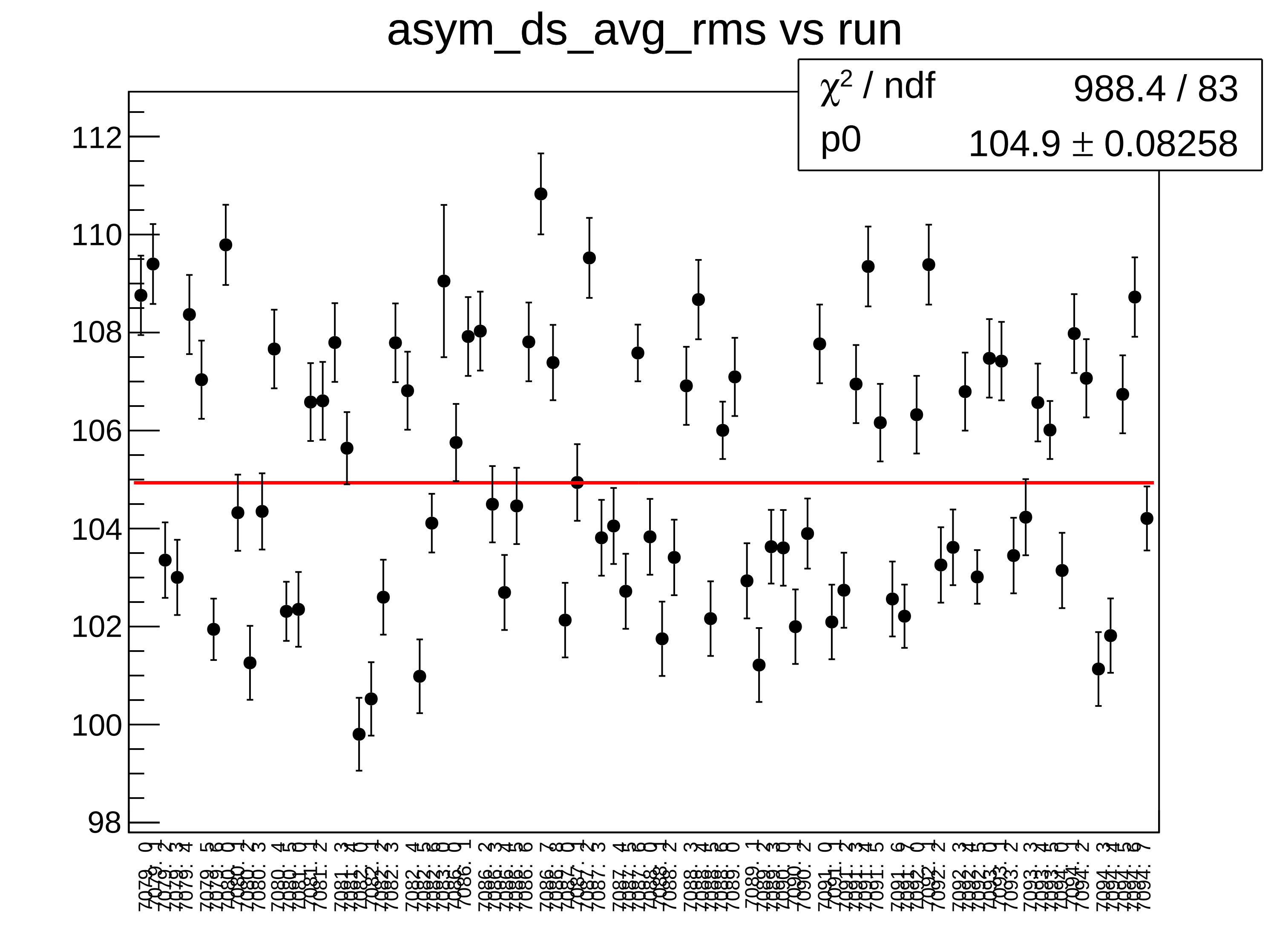

reg_asym_ds_avg_rms vs run
χ2 / ndf 983.9 / 83
p0 104.9 ± 0.08255
112
110
108
106
104
102
100
98

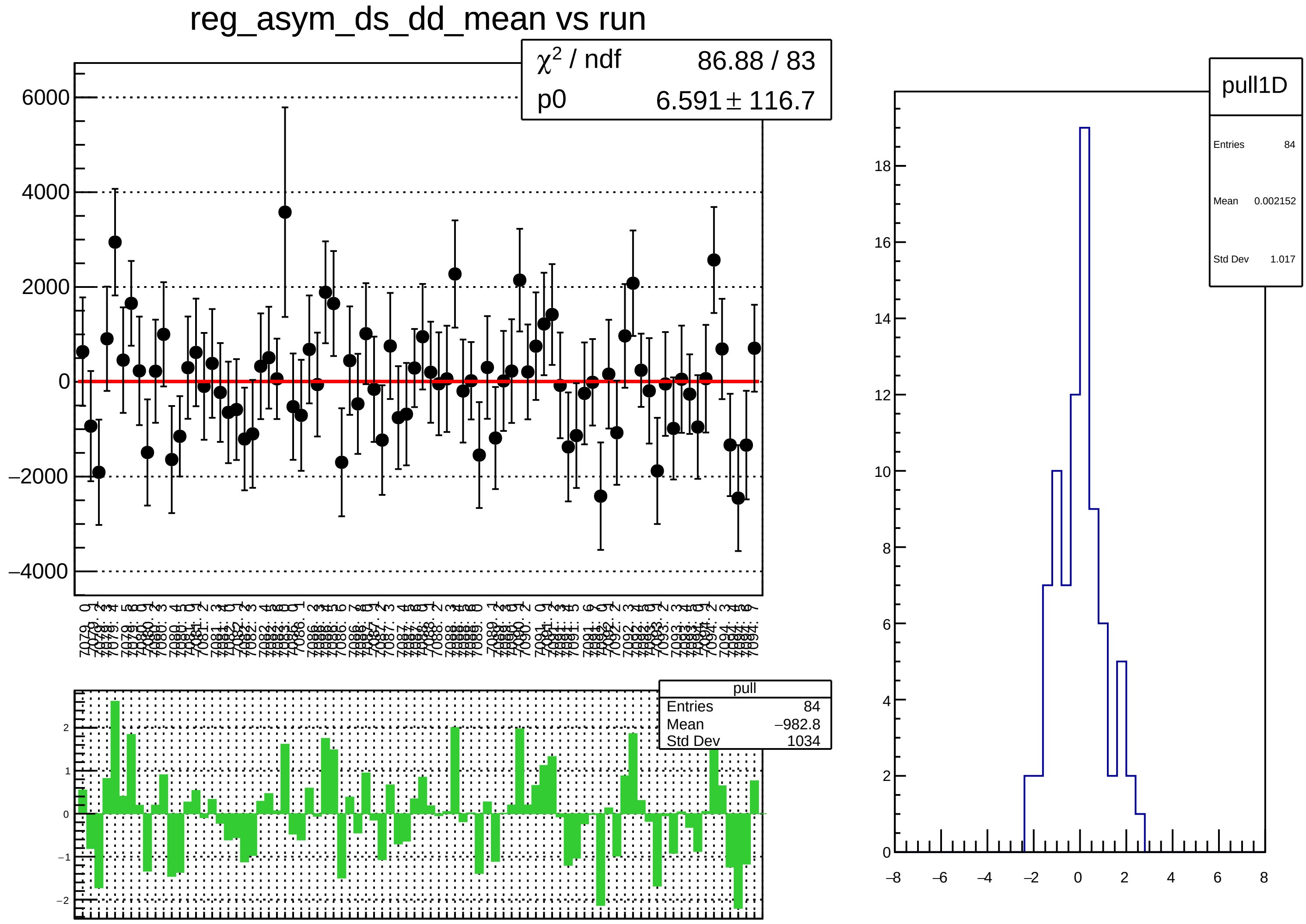


asym_ds_avg_correction_mean vs run
χ^2 / ndf 96.89 / 83
p0 2.682 ± 2.289
pull
Entries 84
Mean 17.93
Std Dev 26.82
pull1D
Entries 84
Mean 0.1318
Std Dev 1.066

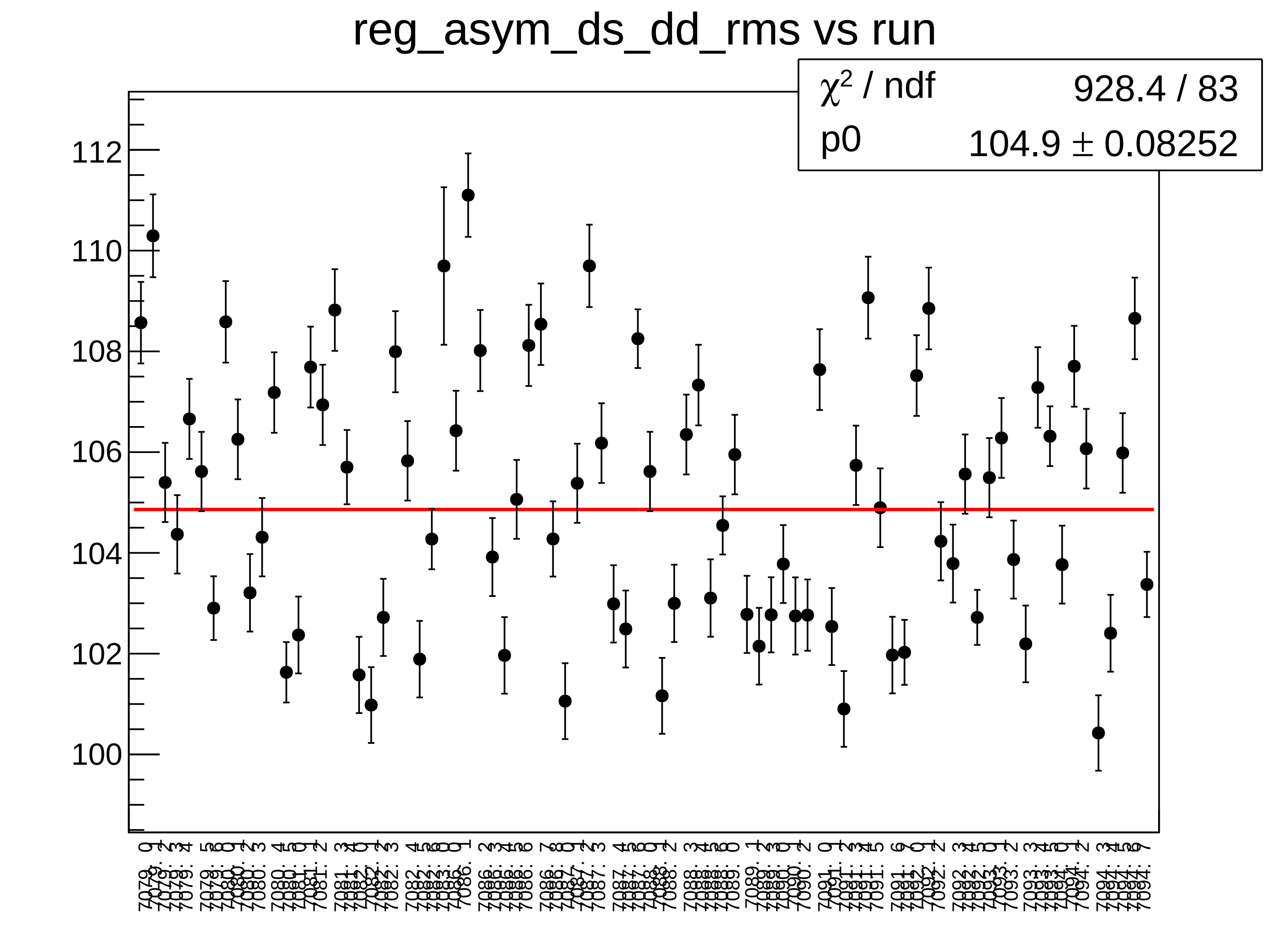

asym_ds_avg_correction_rms vs run
χ^2 / ndf 3.47e+05 / 83
p0 1.823 ± 0.001619
1
2
3
4
5
6
7

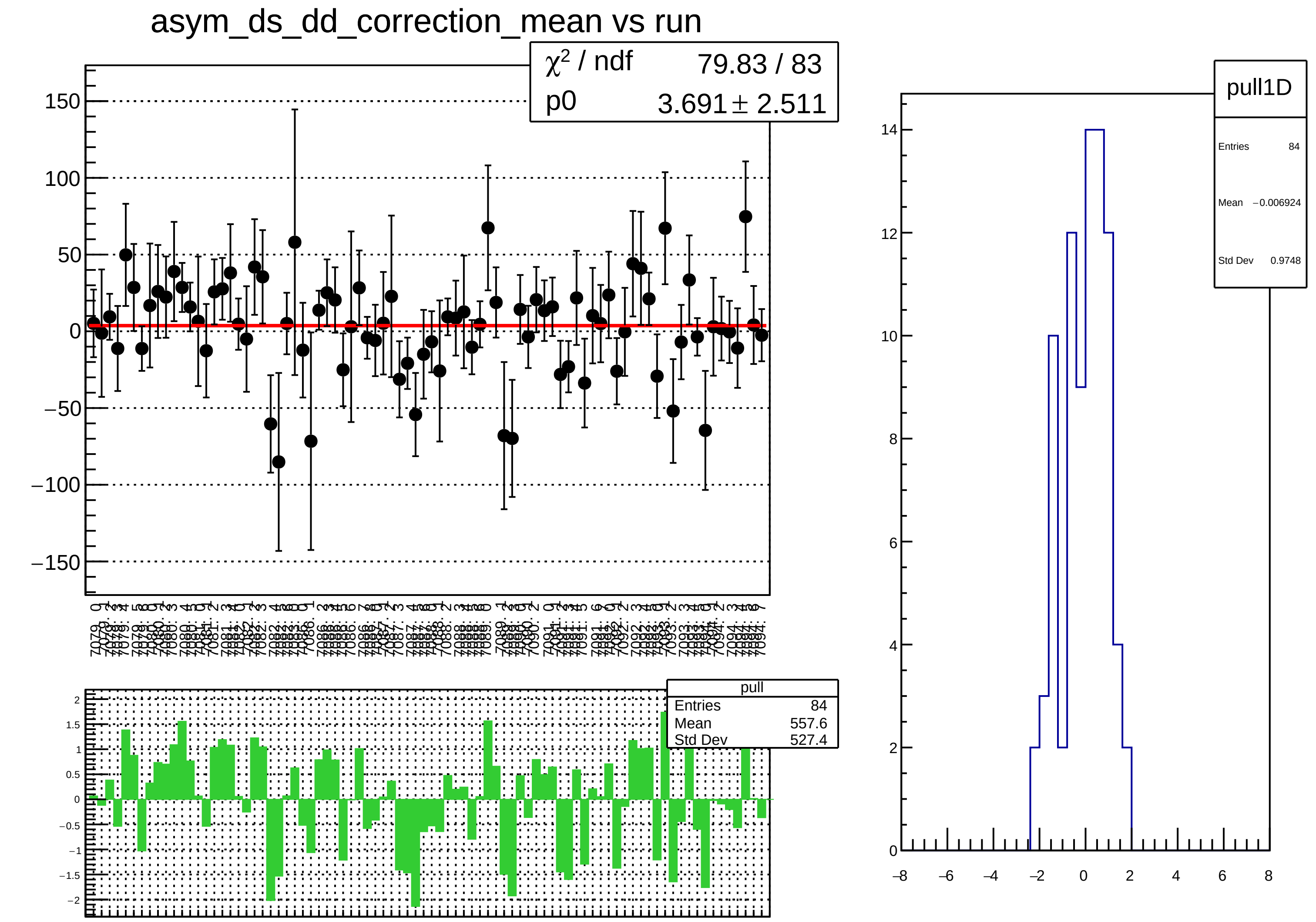

asym_ds_avg_mean vs run
χ2 / ndf 113.9 / 83
p0 8.181 ± 116.8
4000
2000
0
−2000
−4000
pull
Entries 84
Mean −102.7
Std Dev 137.6
3
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.01682
Std Dev 1.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

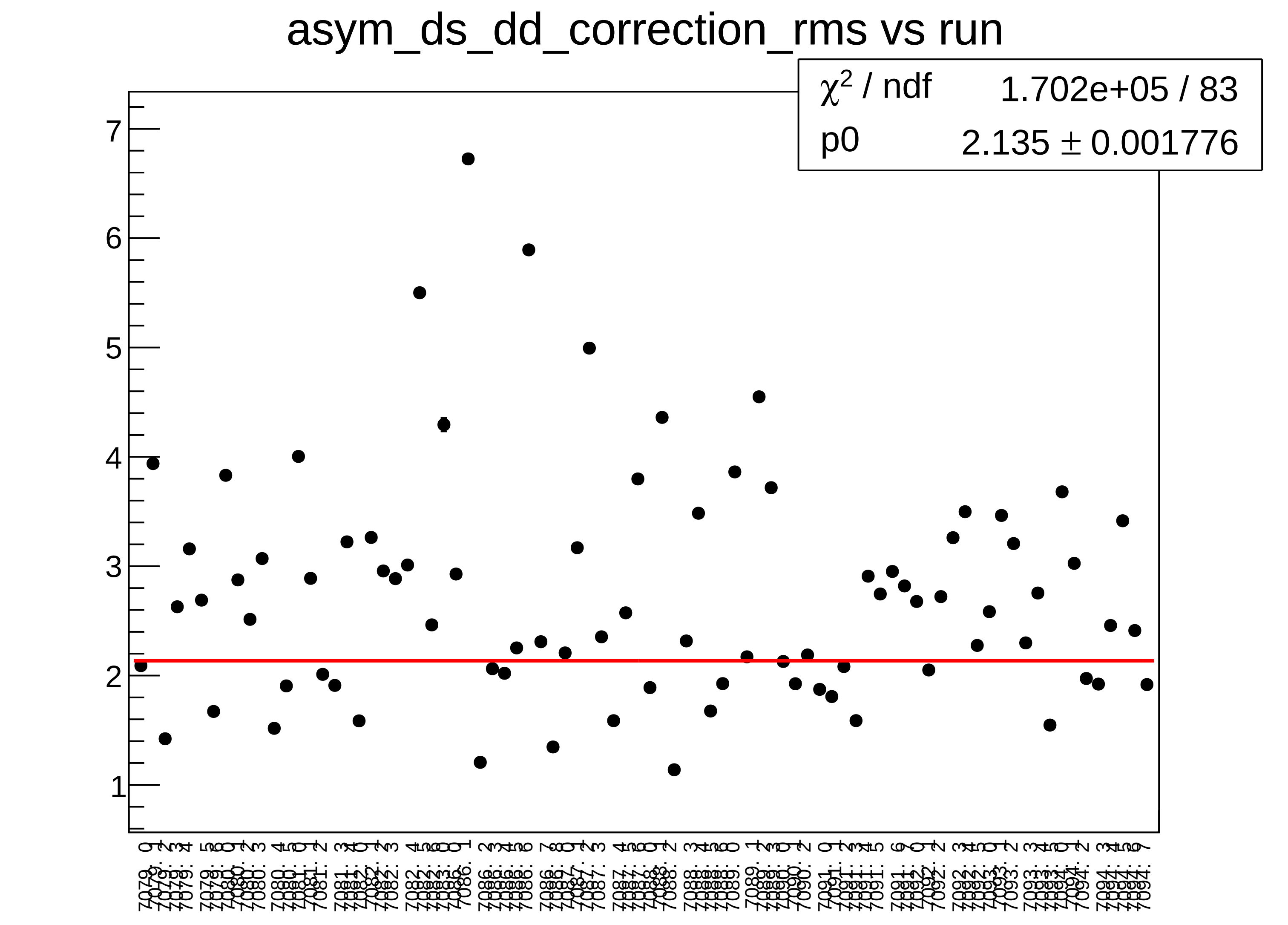

asym_ds_avg_rms vs run
χ^2 / ndf 988.4 / 83
p0 104.9 ± 0.08258
112
110
108
106
104
102
100
98



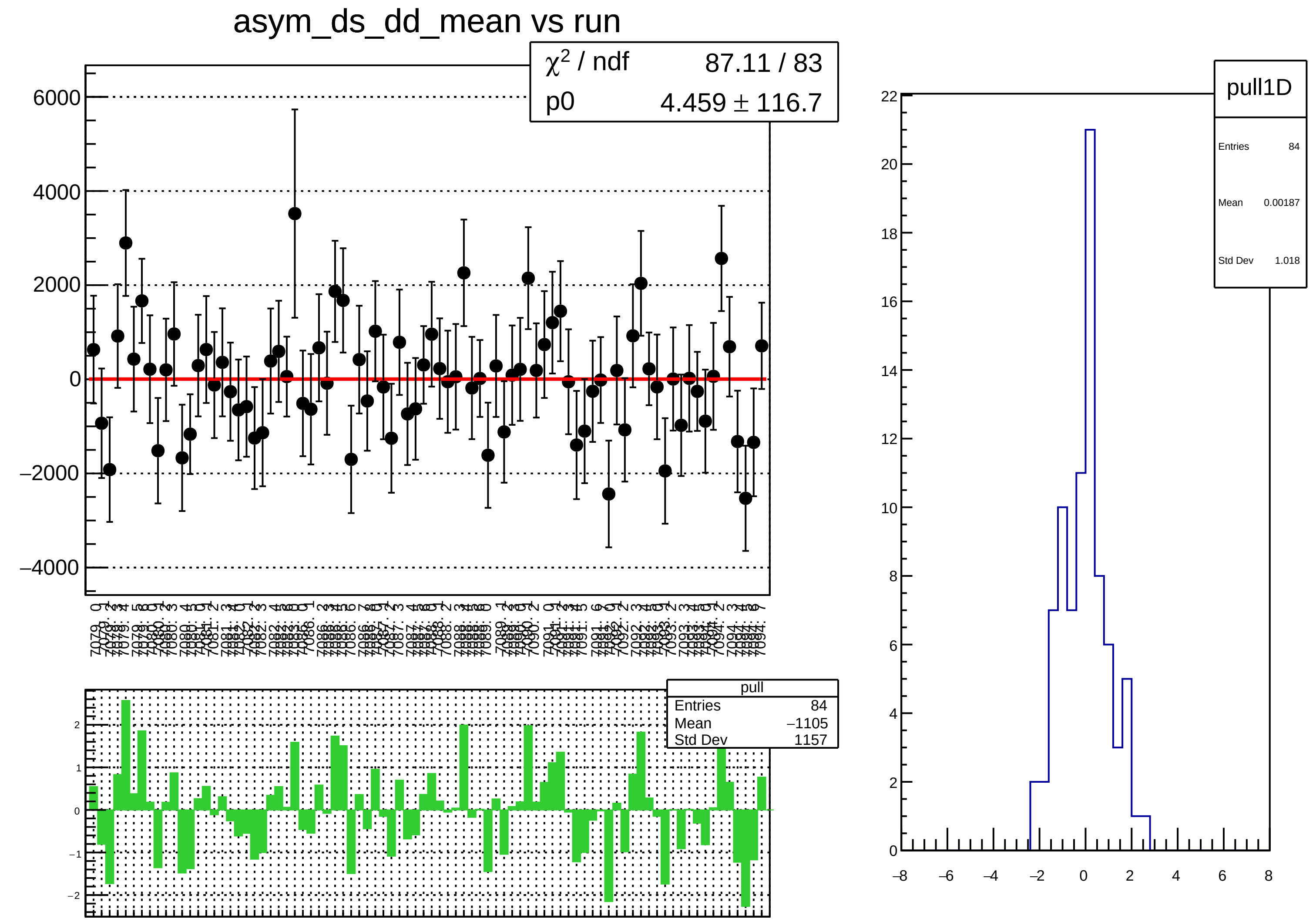
reg_asym_ds_dd_mean vs run
χ^2 / ndf 86.88 / 83
p0 6.591 ± 116.7
pull
Entries 84
Mean −982.8
Std Dev 1034
pull1D
Entries 84
Mean 0.002152
Std Dev 1.017


reg_asym_ds_dd_rms vs run
χ^2 / ndf 928.4 / 83
p0 104.9 ± 0.08252
112
110
108
106
104
102
100

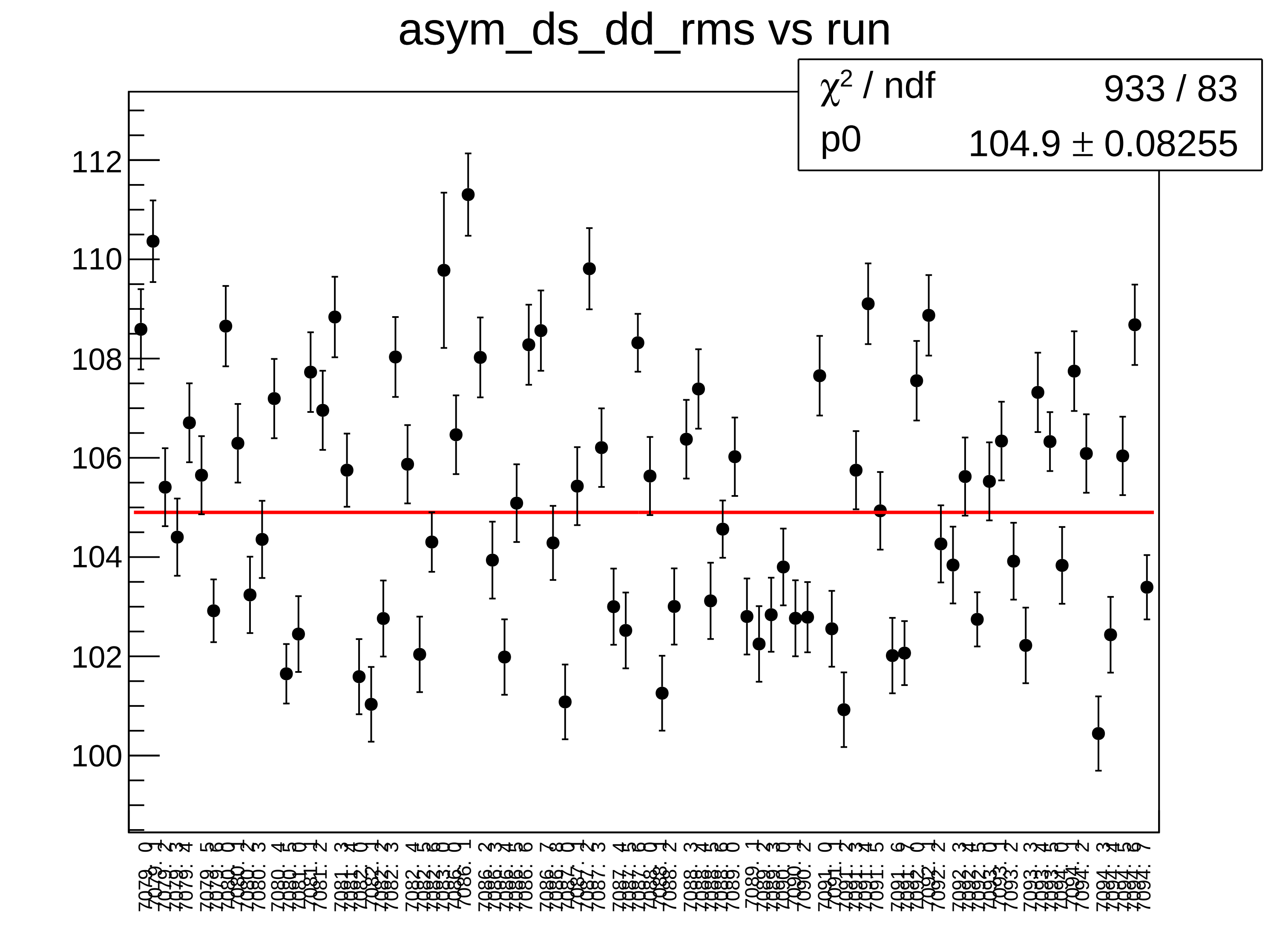

asym_ds_dd_correction_mean vs run
χ^2 / ndf 79.83 / 83
p0 3.691 ± 2.511
pull
Entries 84
Mean 557.6
Std Dev 527.4
pull1D
Entries 84
Mean −0.006924
Std Dev 0.9748



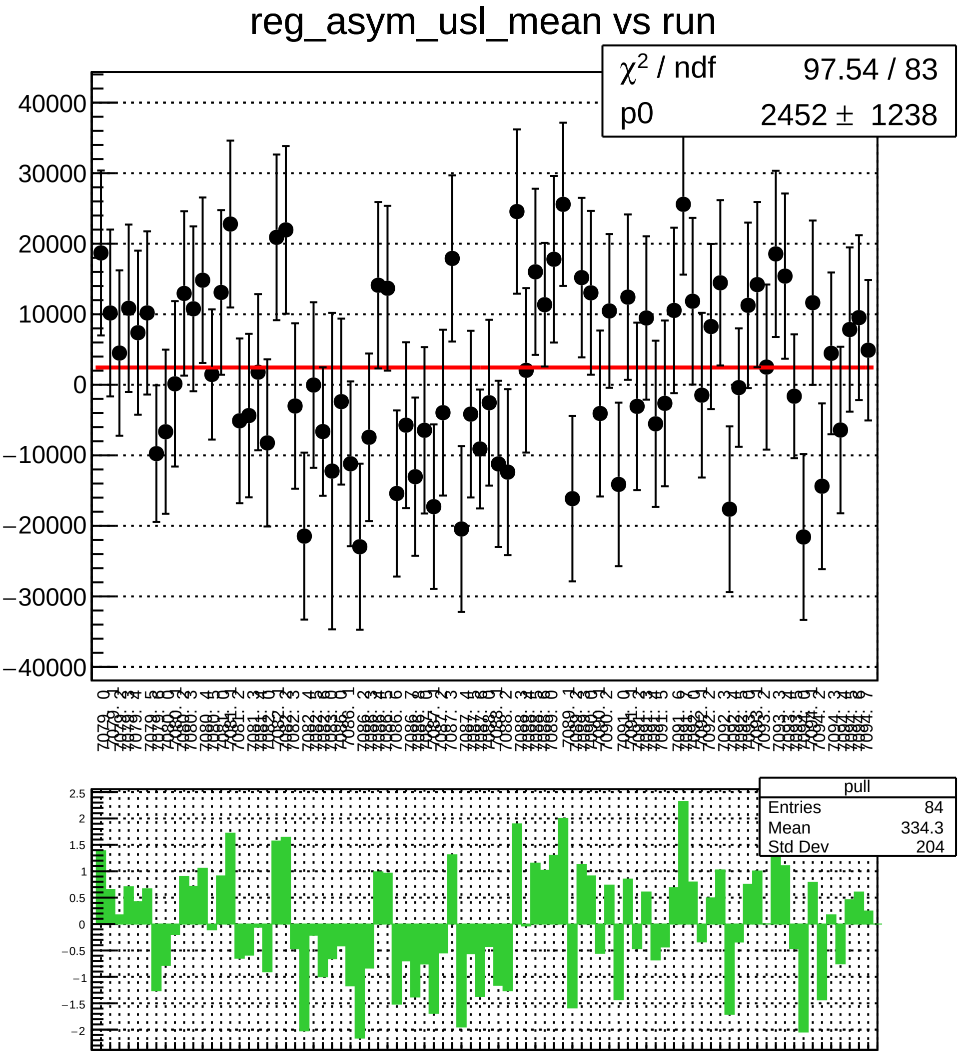
asym_ds_dd_correction_rms vs run
χ2 / ndf 1.702e+05 / 83
p0 2.135 ± 0.001776

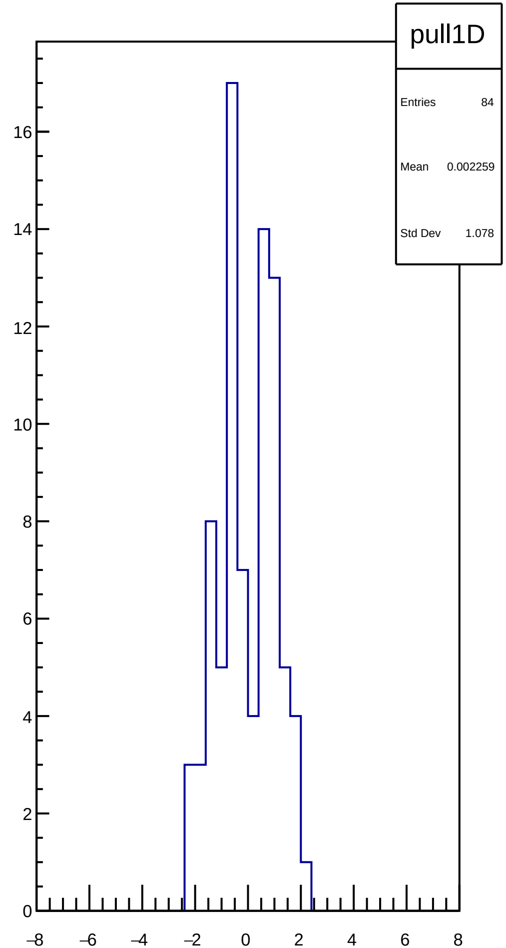


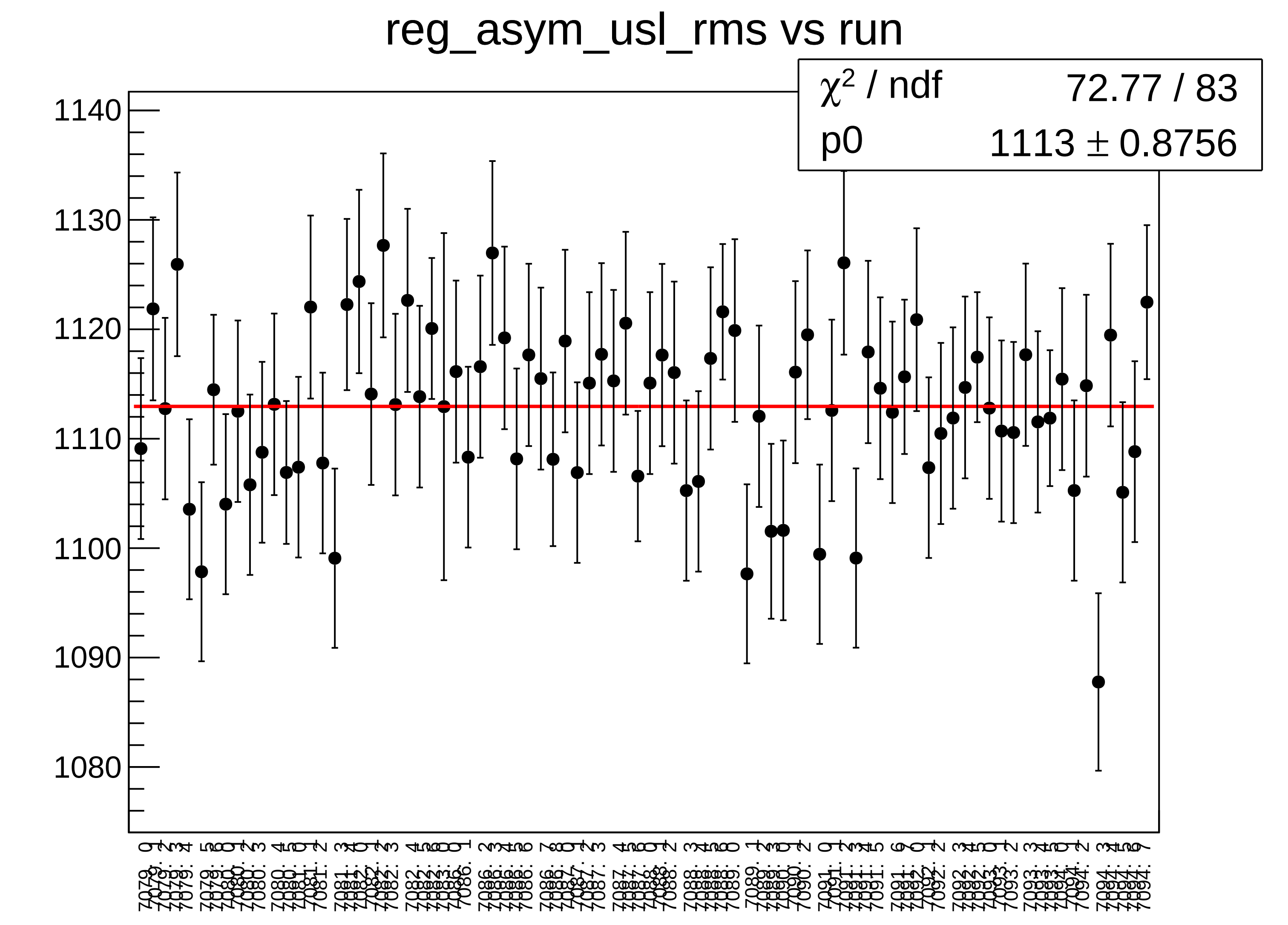
asym_ds_dd_mean vs run
χ^2 / ndf 87.11 / 83
p0 4.459 ± 116.7
6000
4000
2000
0
−2000
−4000
pull
Entries 84
Mean −1105
Std Dev 1157
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.00187
Std Dev 1.018
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



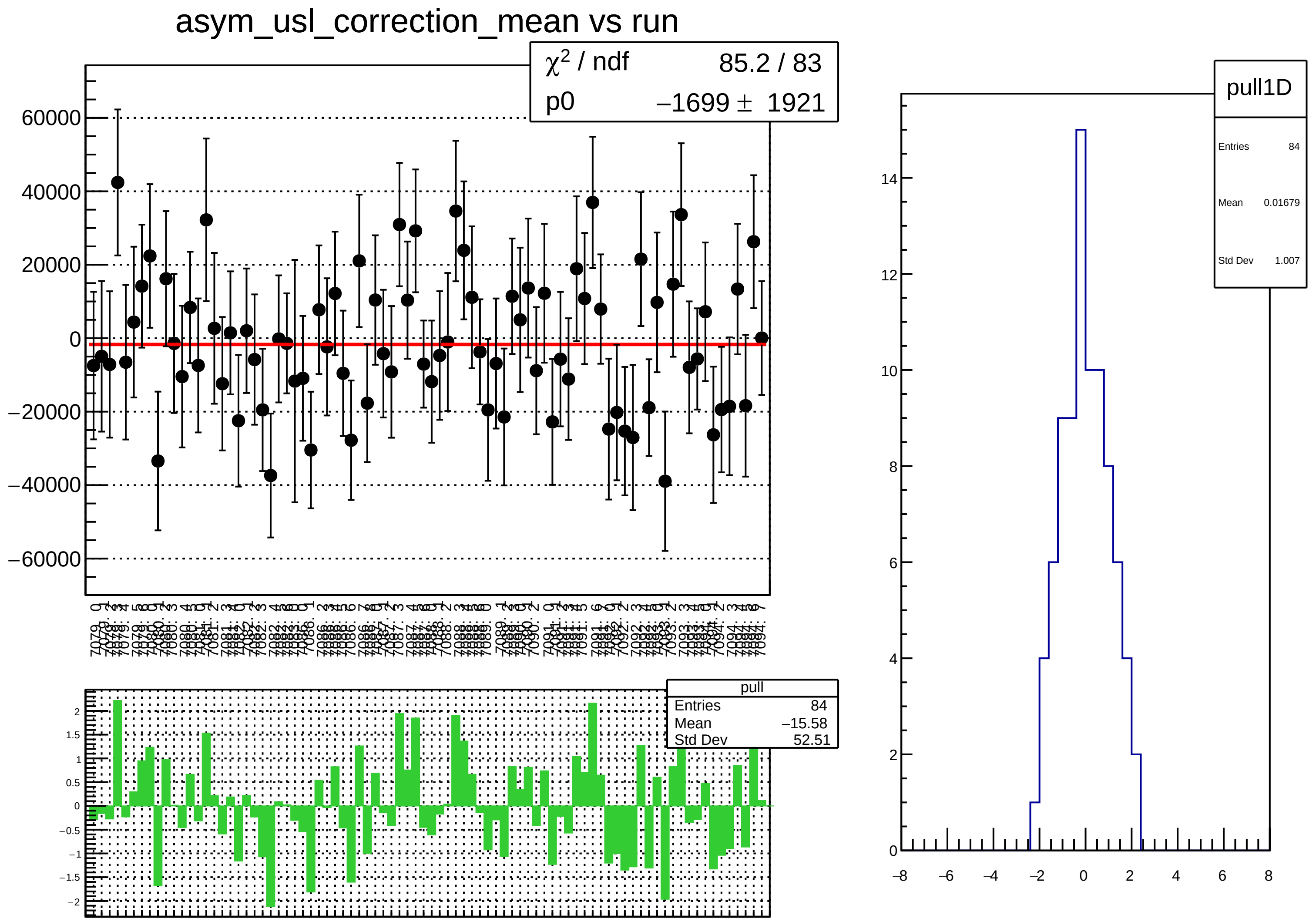
asym_ds_dd_rms vs run
χ2 / ndf 933 / 83
p0 104.9 ± 0.08255
112
110
108
106
104
102
100

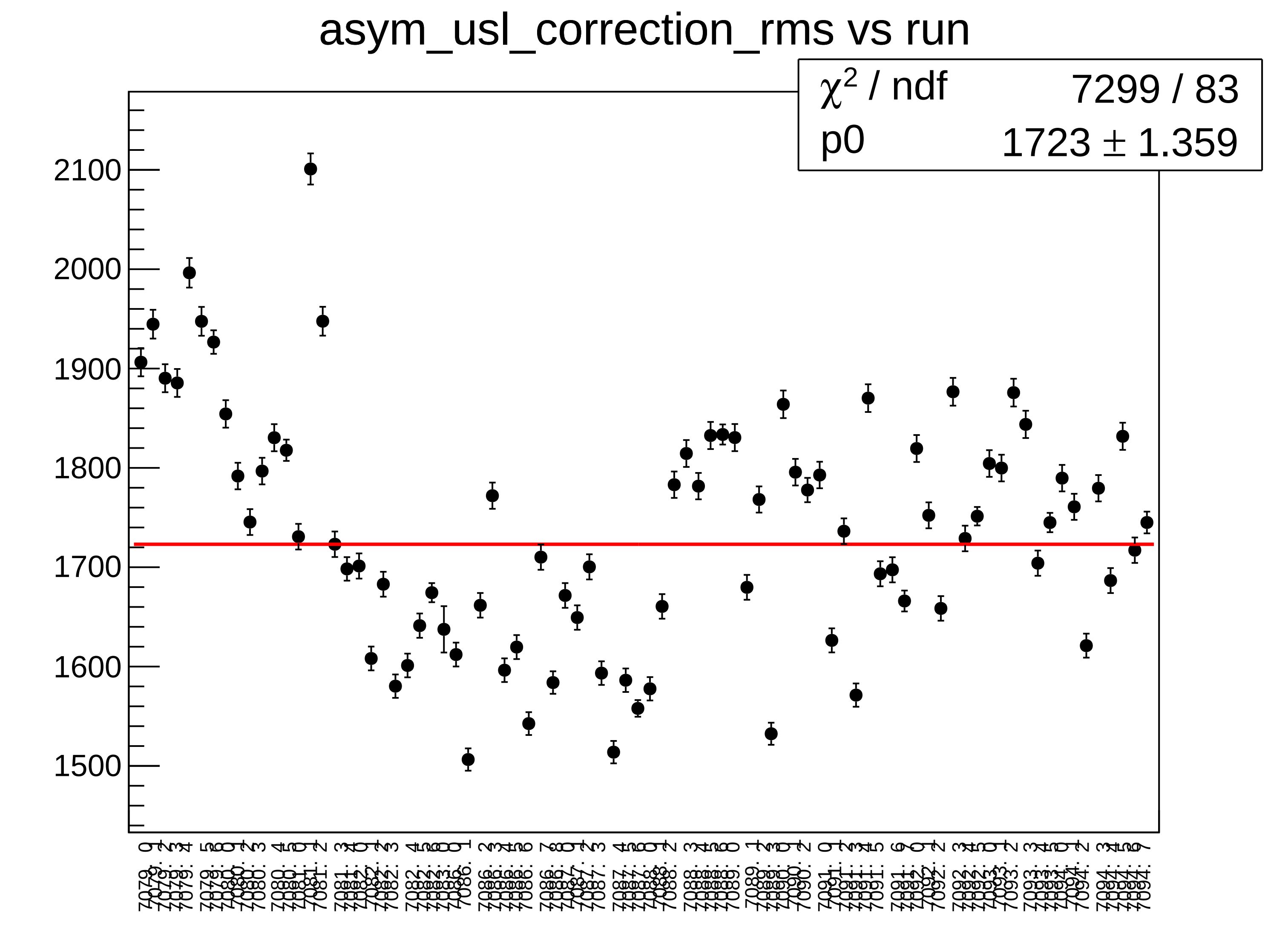

reg_asym_usl_mean vs run
χ^2 / ndf 97.54 / 83
p0 2452 ± 1238
pull
Entries 84
Mean 334.3
Std Dev 204

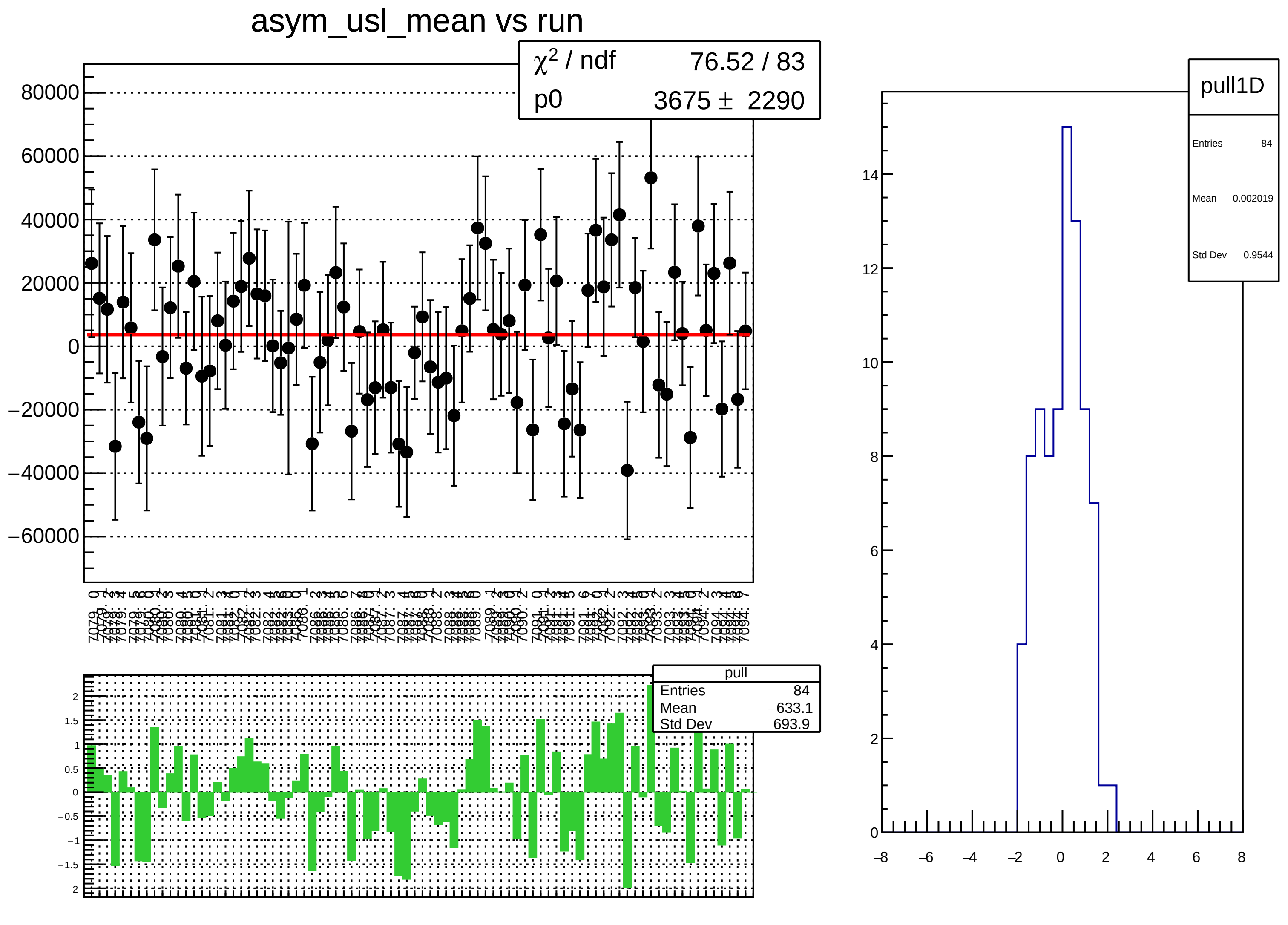

pull1D
Entries 84
Mean 0.002259
Std Dev 1.078



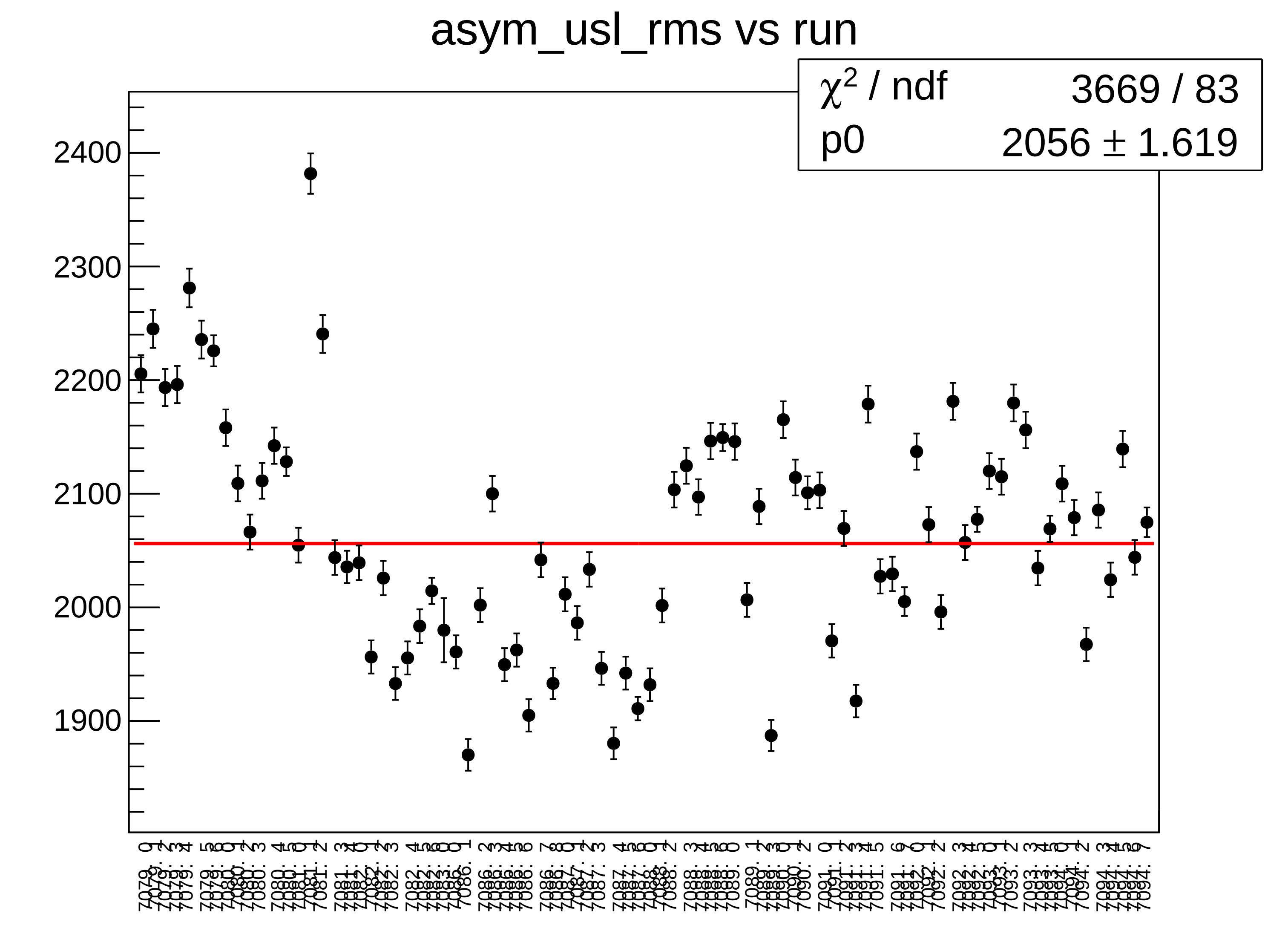
reg_asym_usl_rms vs run
χ2 / ndf 72.77 / 83
p0 1113 ± 0.8756
1140
1130
1120
1110
1100
1090
1080

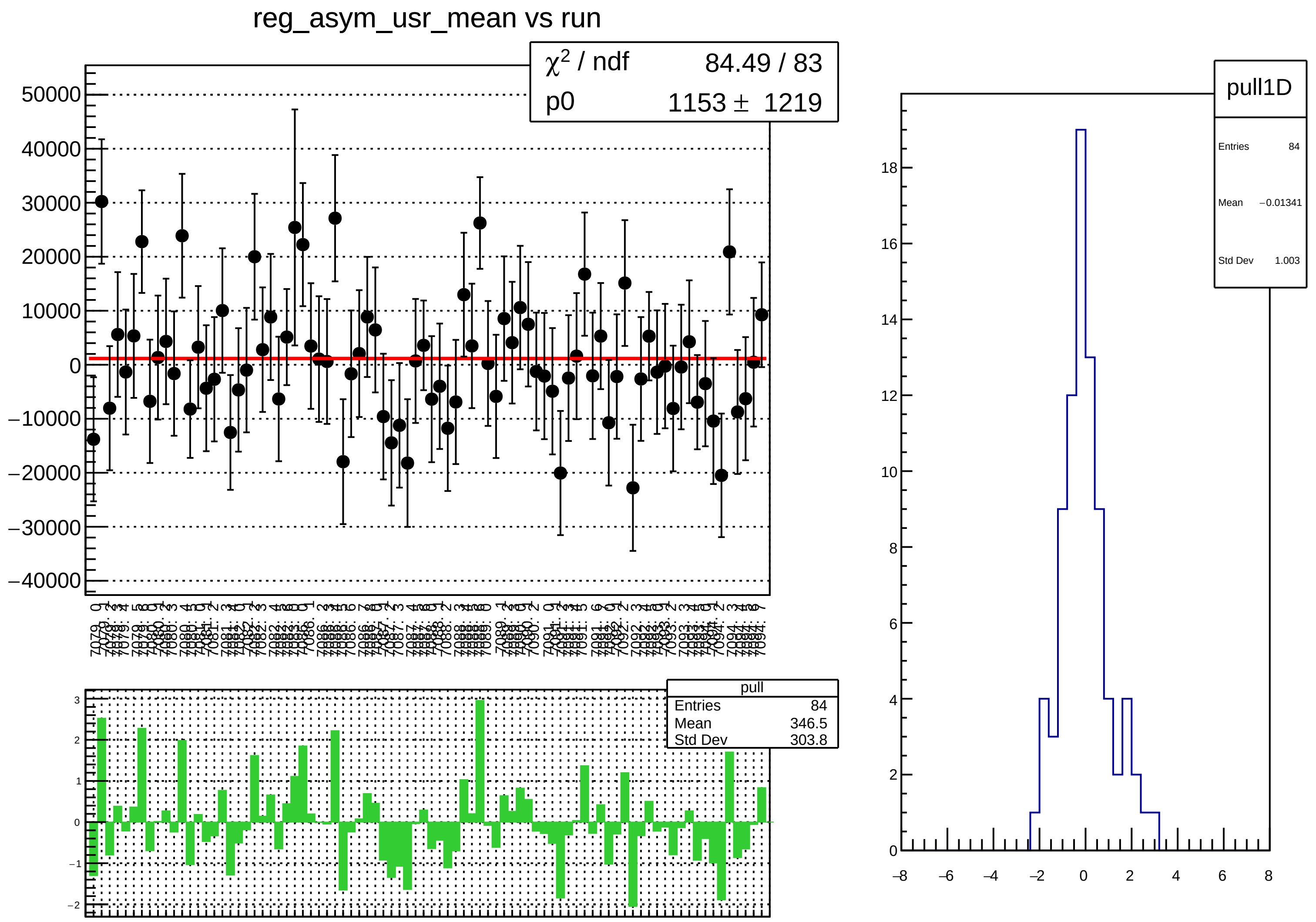

asym_usl_correction_mean vs run
χ2 / ndf 85.2 / 83
p0 −1699 ± 1921
pull
Entries 84
Mean −15.58
Std Dev 52.51
pull1D
Entries 84
Mean 0.01679
Std Dev 1.007

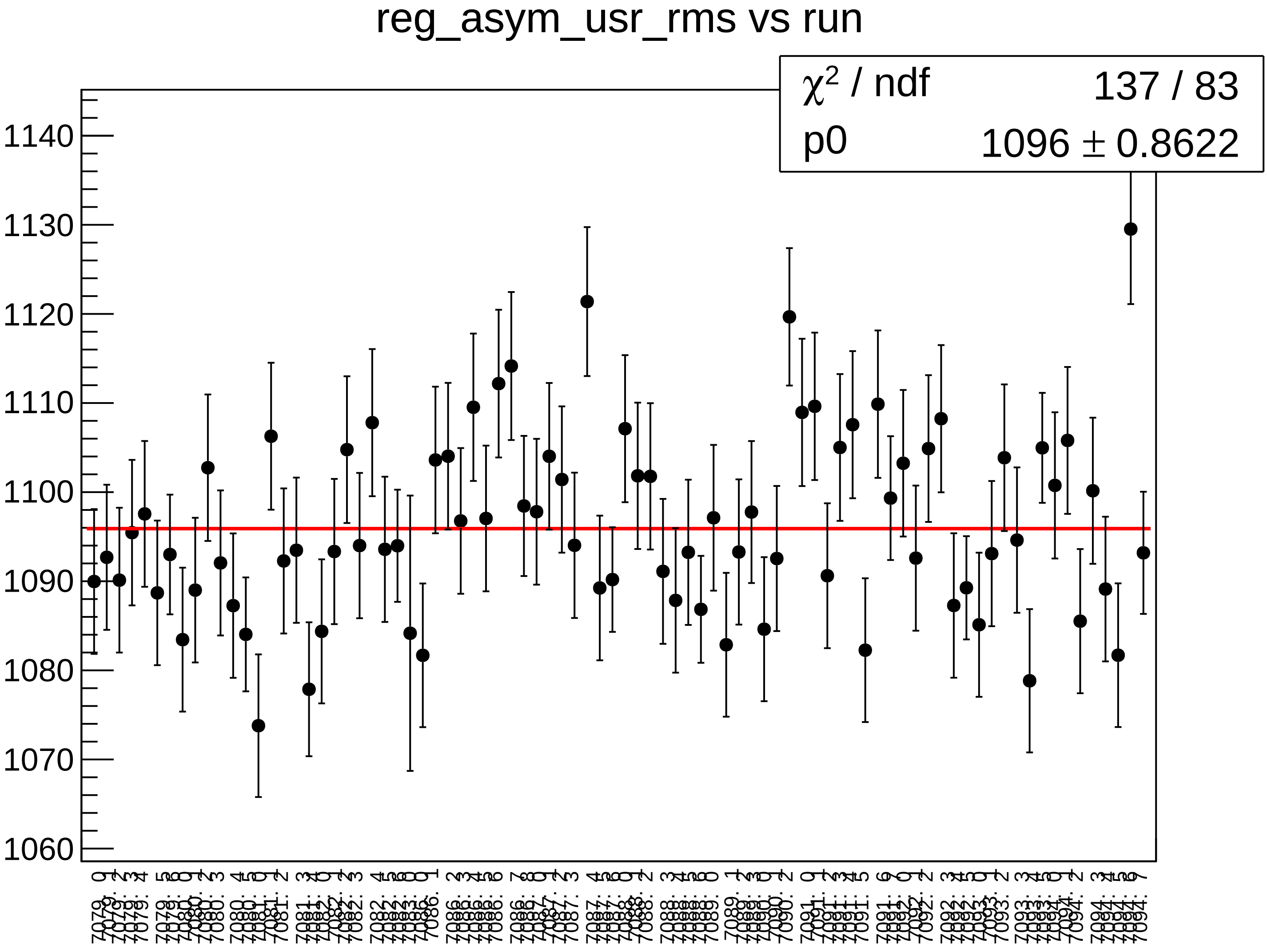

asym_usl_correction_rms vs run
χ^2 / ndf 7299 / 83
p0 1723 ± 1.359
2100
2000
1900
1800
1700
1600
1500



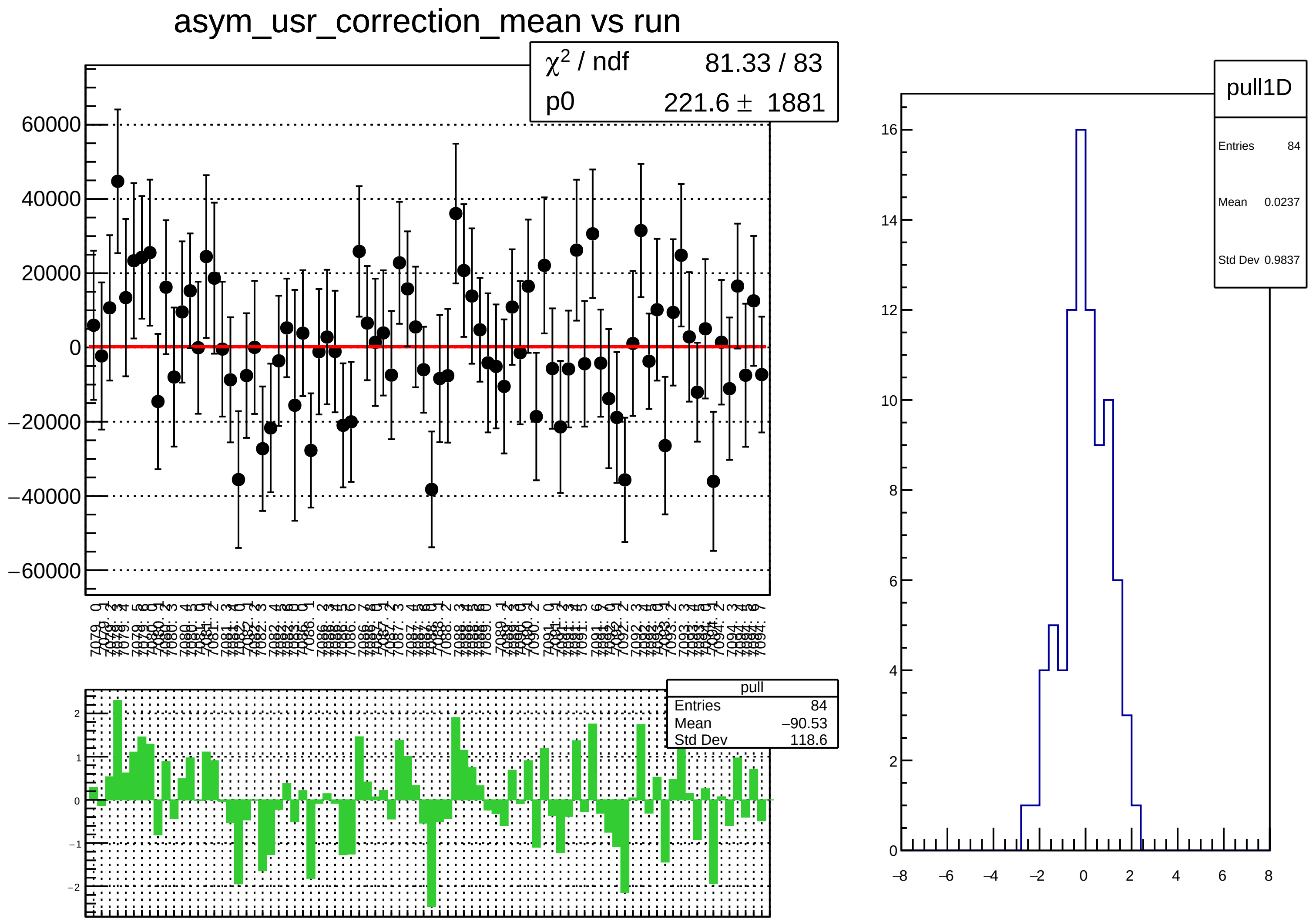
asym_usl_mean vs run
χ2 / ndf 76.52 / 83
p0 3675 ± 2290
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −633.1
Std Dev 693.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.002019
Std Dev 0.9544
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_rms vs run
χ^2 / ndf 3669 / 83
p0 2056 ± 1.619
2400
2300
2200
2100
2000
1900

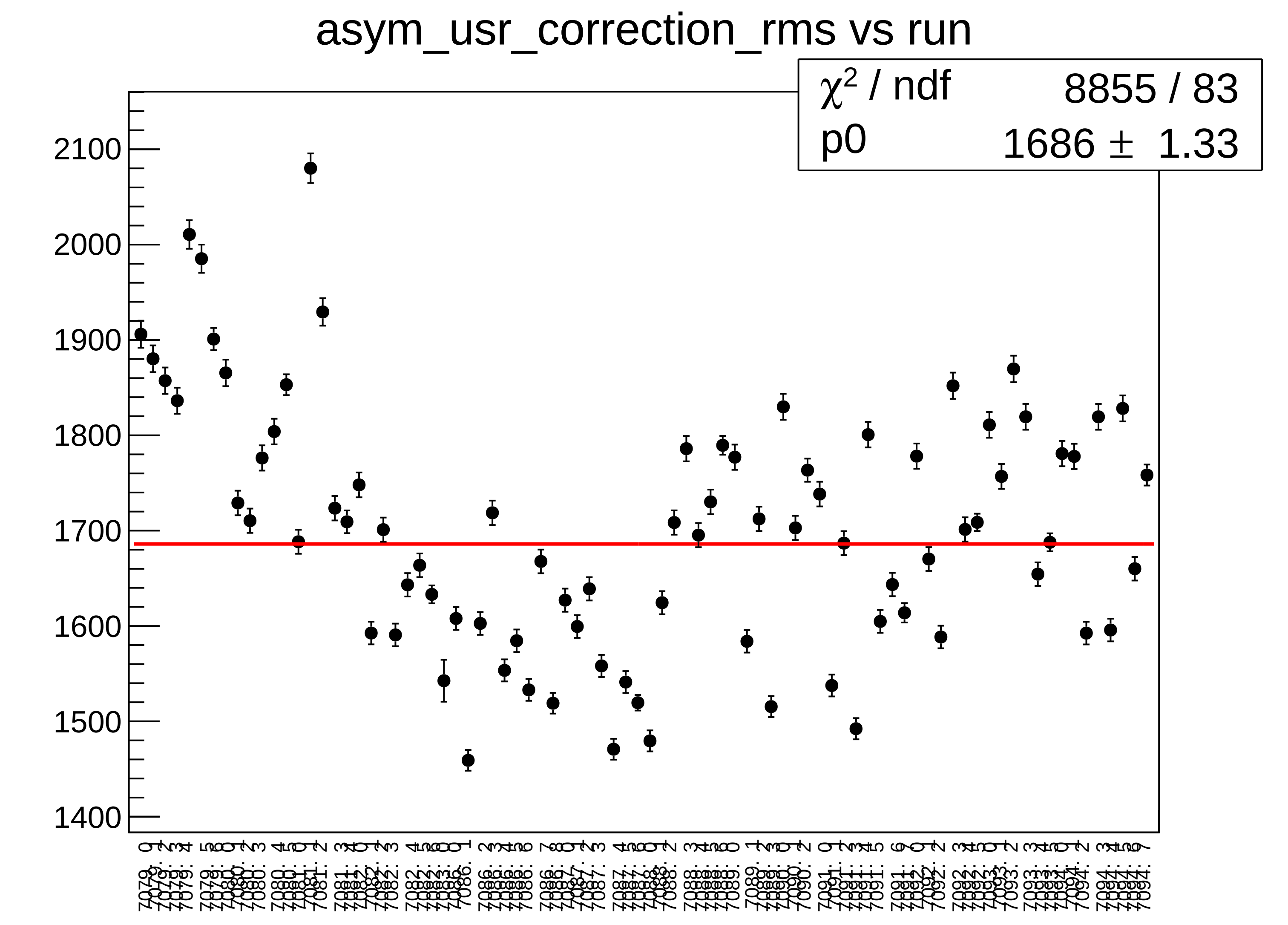

reg_asym_usr_mean vs run
χ2 / ndf 84.49 / 83
p0 1153 ± 1219
pull
Entries 84
Mean 346.5
Std Dev 303.8
pull1D
Entries 84
Mean −0.01341
Std Dev 1.003



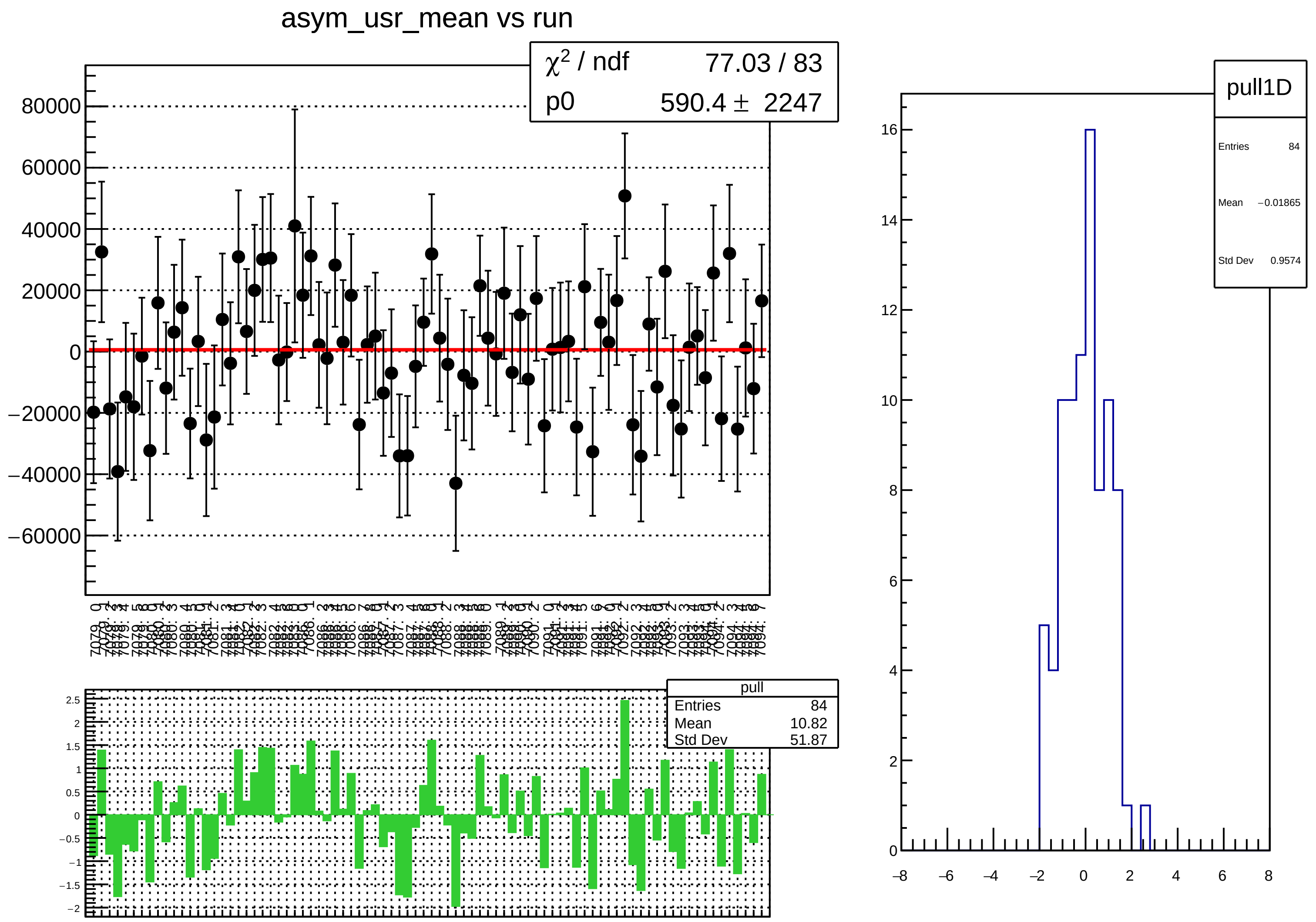
reg_asym_usr_rms vs run
χ2 / ndf 137 / 83
p0 1096 ± 0.8622
1140
1130
1120
1110
1100
1090
1080
1070
1060



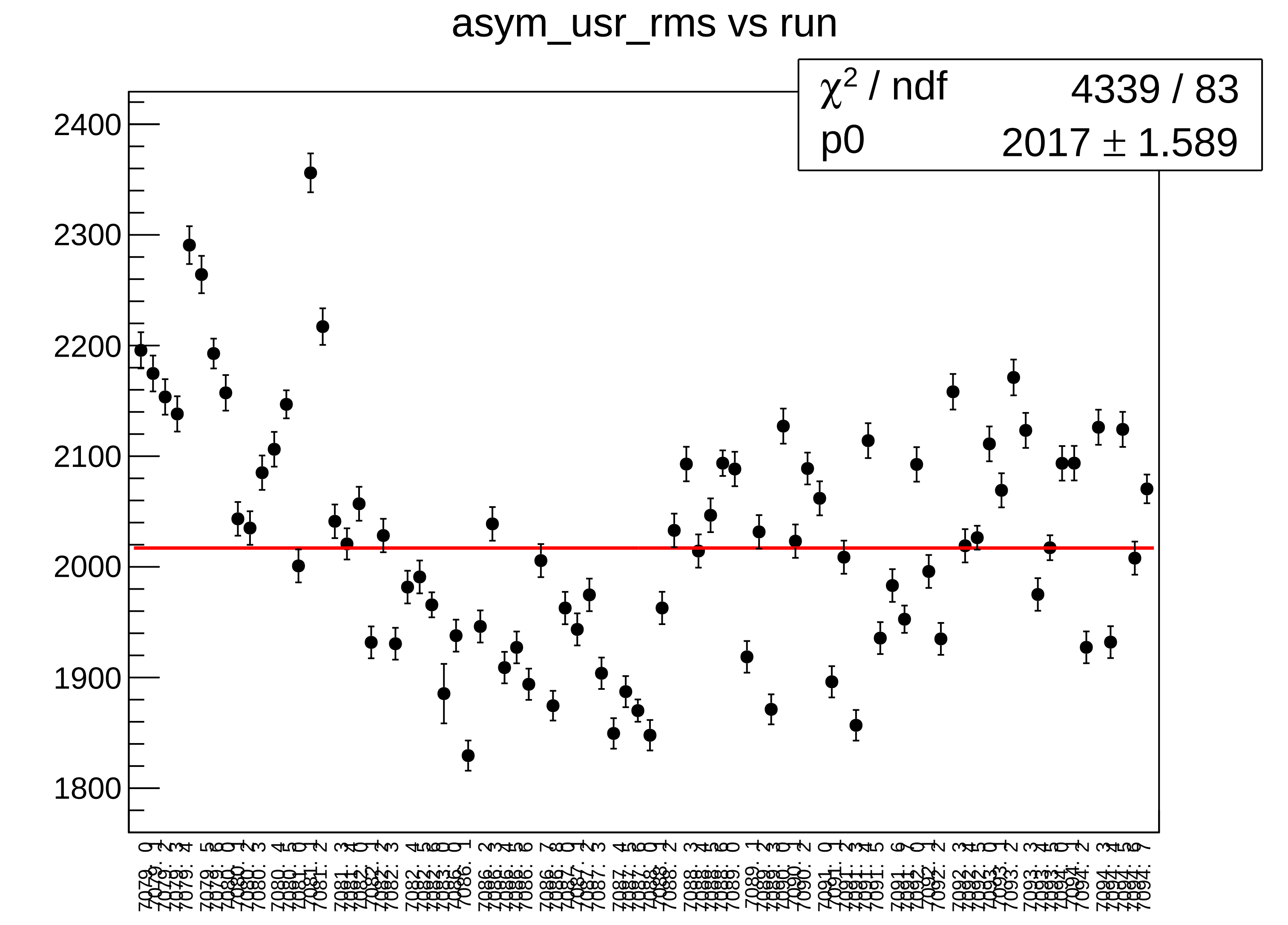
asym_usr_correction_mean vs run
χ^2 / ndf 81.33 / 83
p0 221.6 ± 1881
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −90.53
Std Dev 118.6
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.0237
Std Dev 0.9837
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



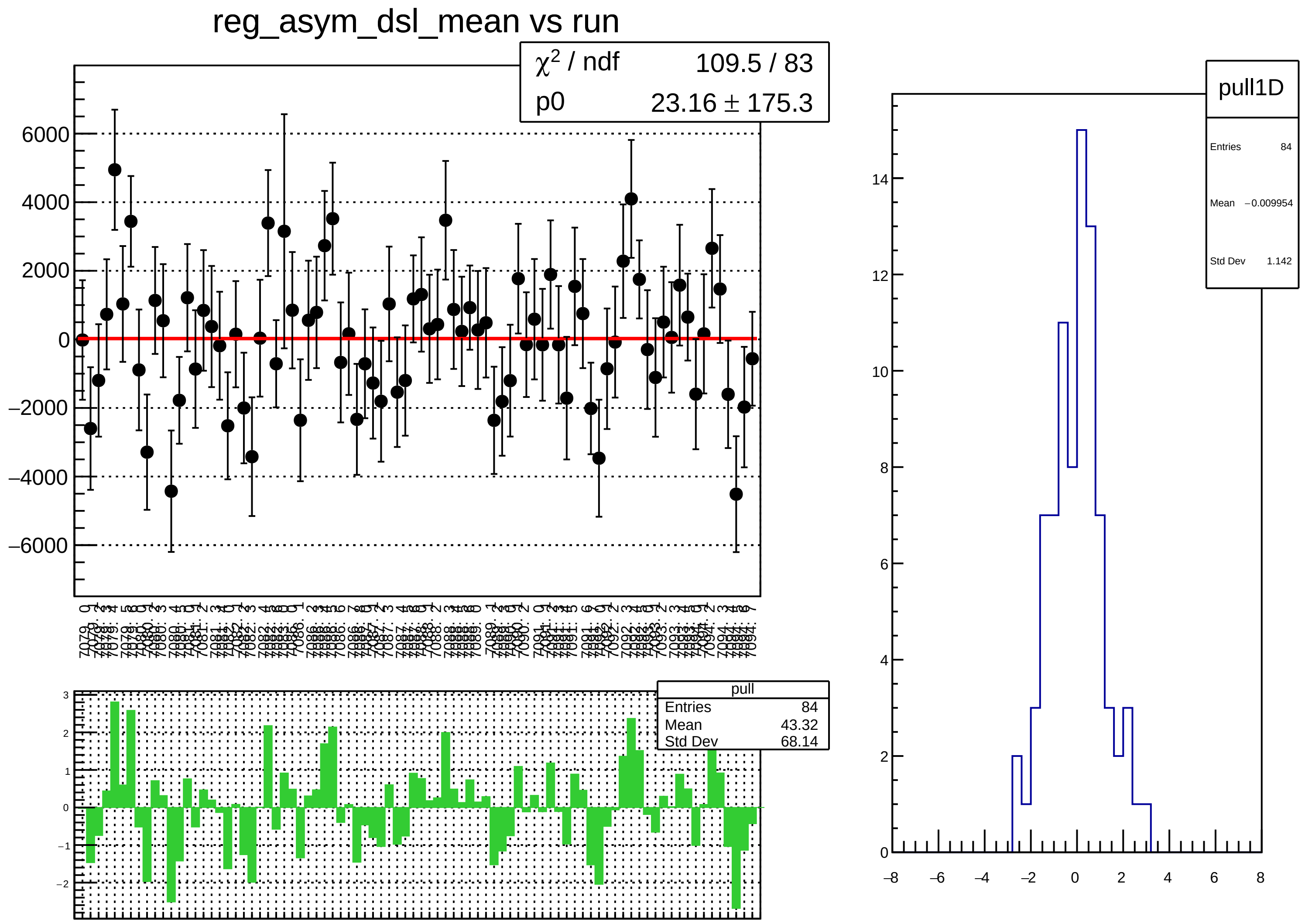
asym_usr_correction_rms vs run
χ2 / ndf 8855 / 83
p0 1686 ± 1.33
2100
2000
1900
1800
1700
1600
1500
1400



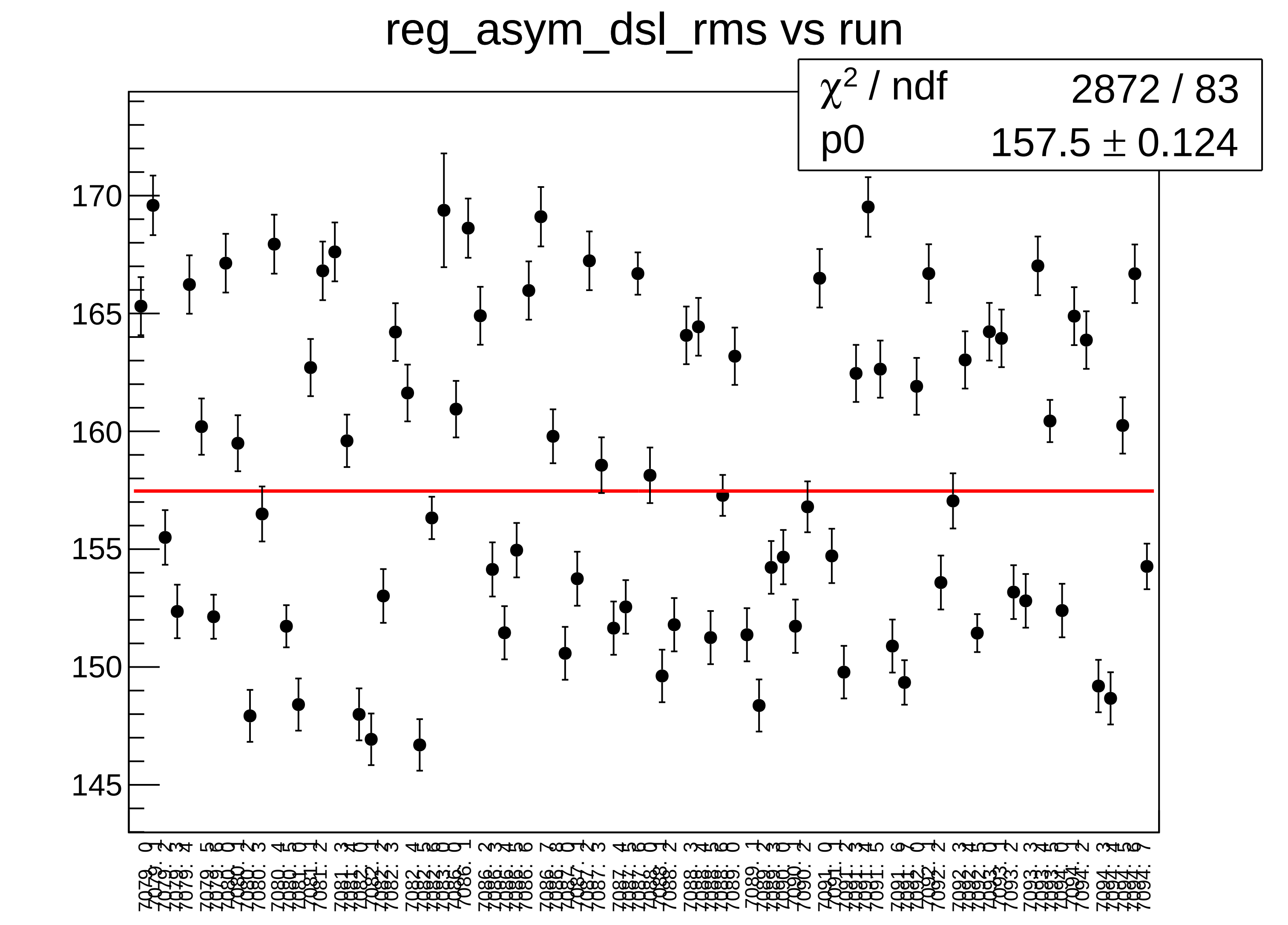
asym_usr_mean vs run
χ^2 / ndf 77.03 / 83
p0 590.4 ± 2247
pull
Entries 84
Mean 10.82
Std Dev 51.87
pull1D
Entries 84
Mean −0.01865
Std Dev 0.9574

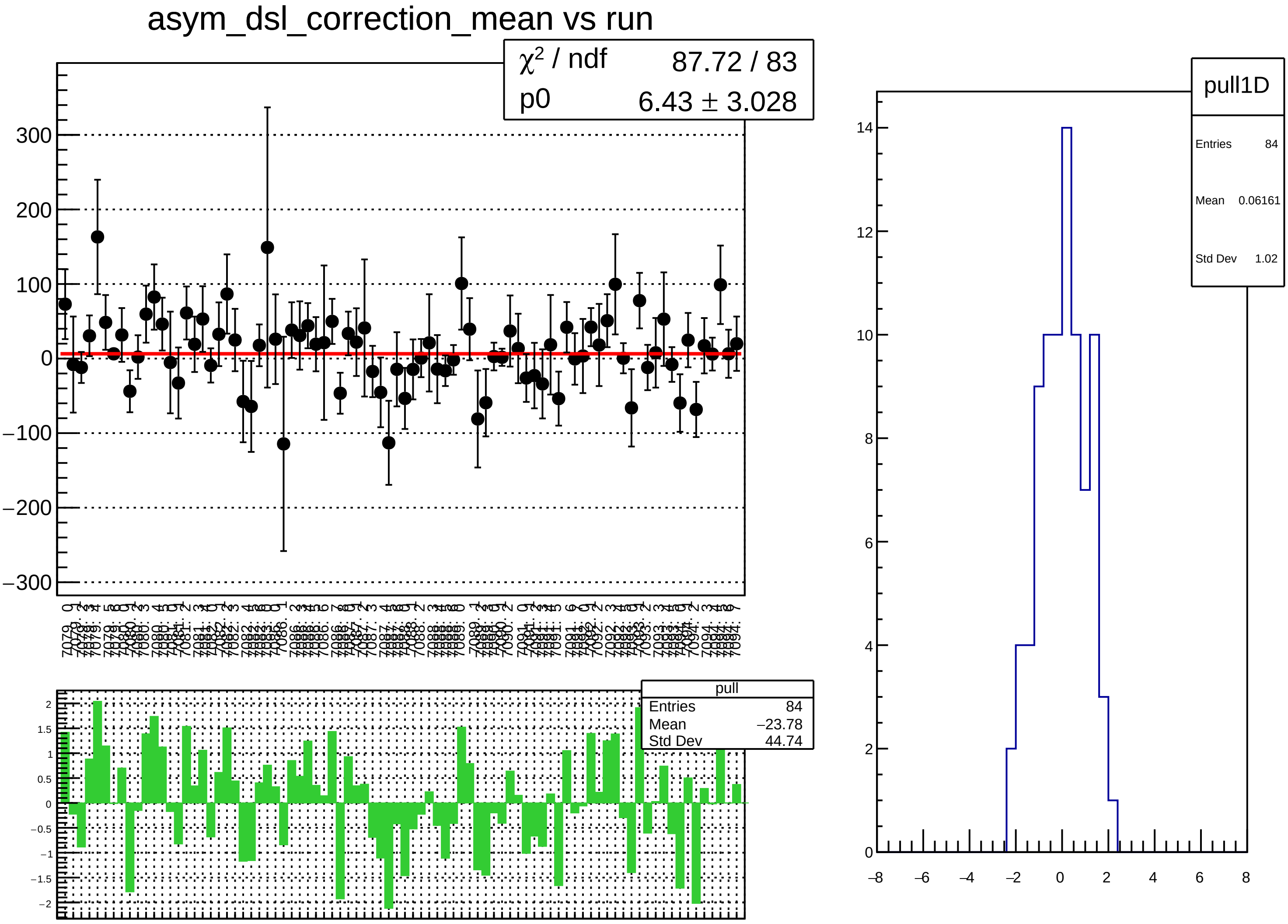


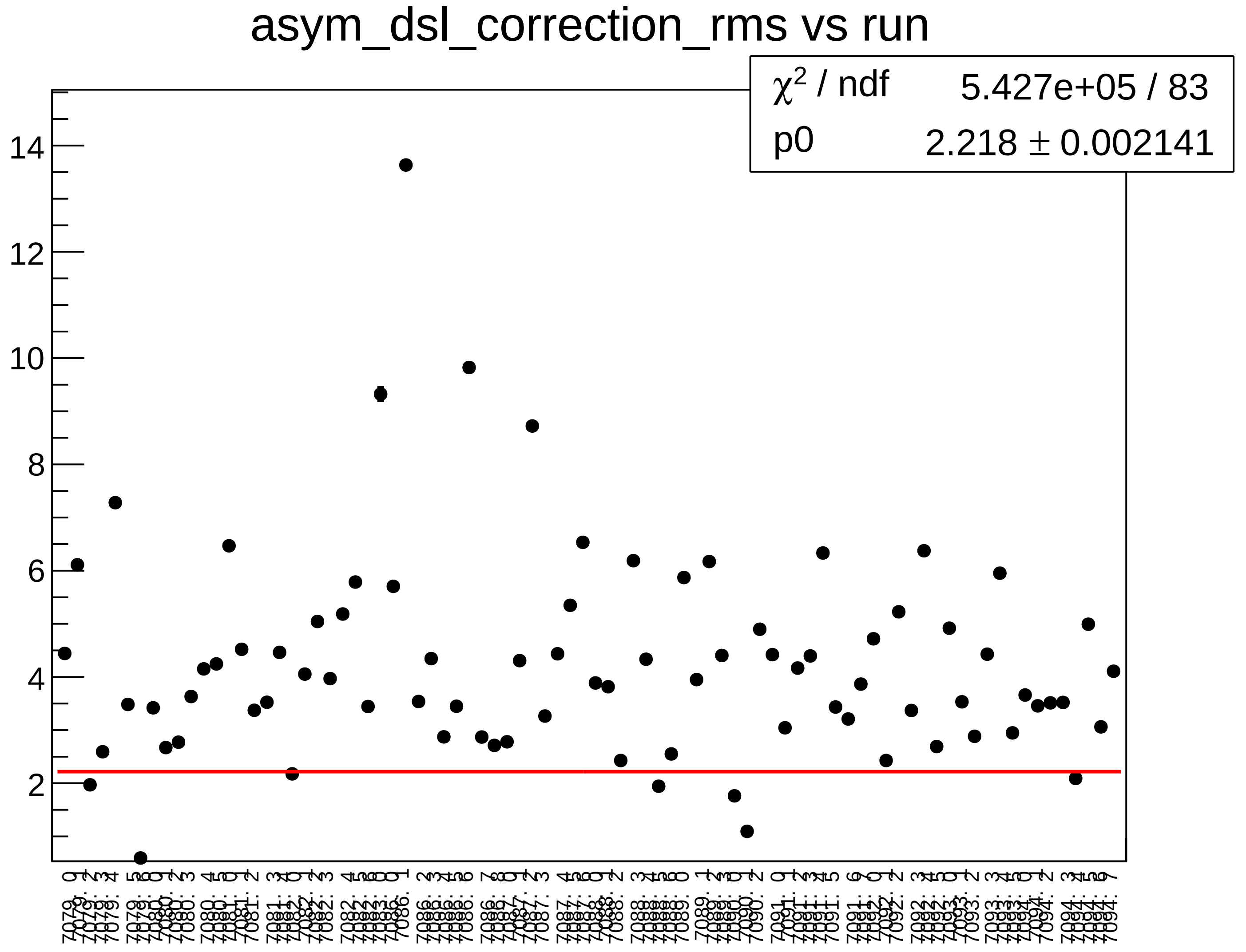
asym_usr_rms vs run
χ2 / ndf 4339 / 83
p0 2017 ± 1.589
2400
2300
2200
2100
2000
1900
1800



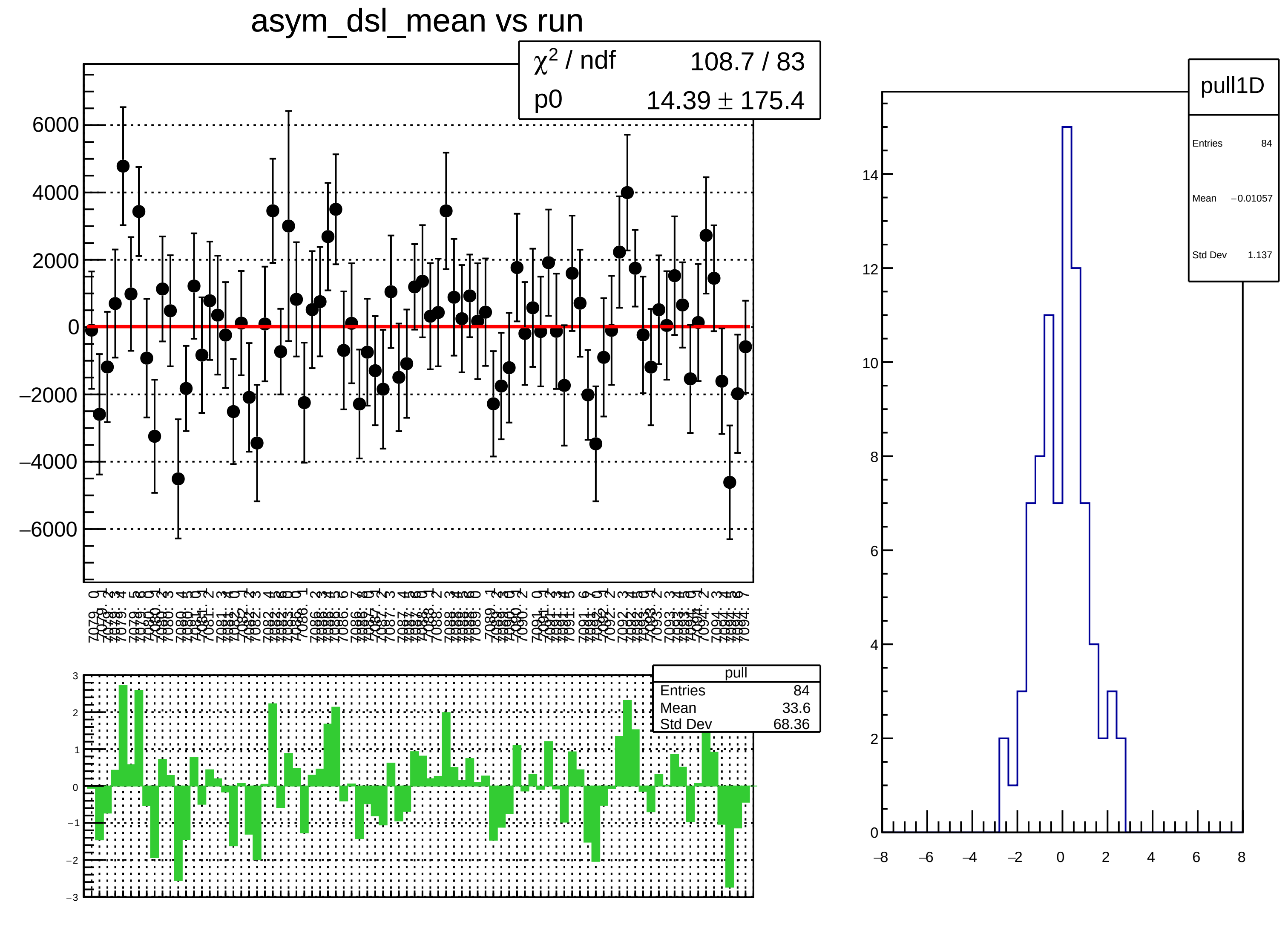
reg_asym_dsl_mean vs run
χ^2 / ndf 109.5 / 83
p0 23.16 ± 175.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 43.32
Std Dev 68.14
pull1D
Entries 84
Mean −0.009954
Std Dev 1.142

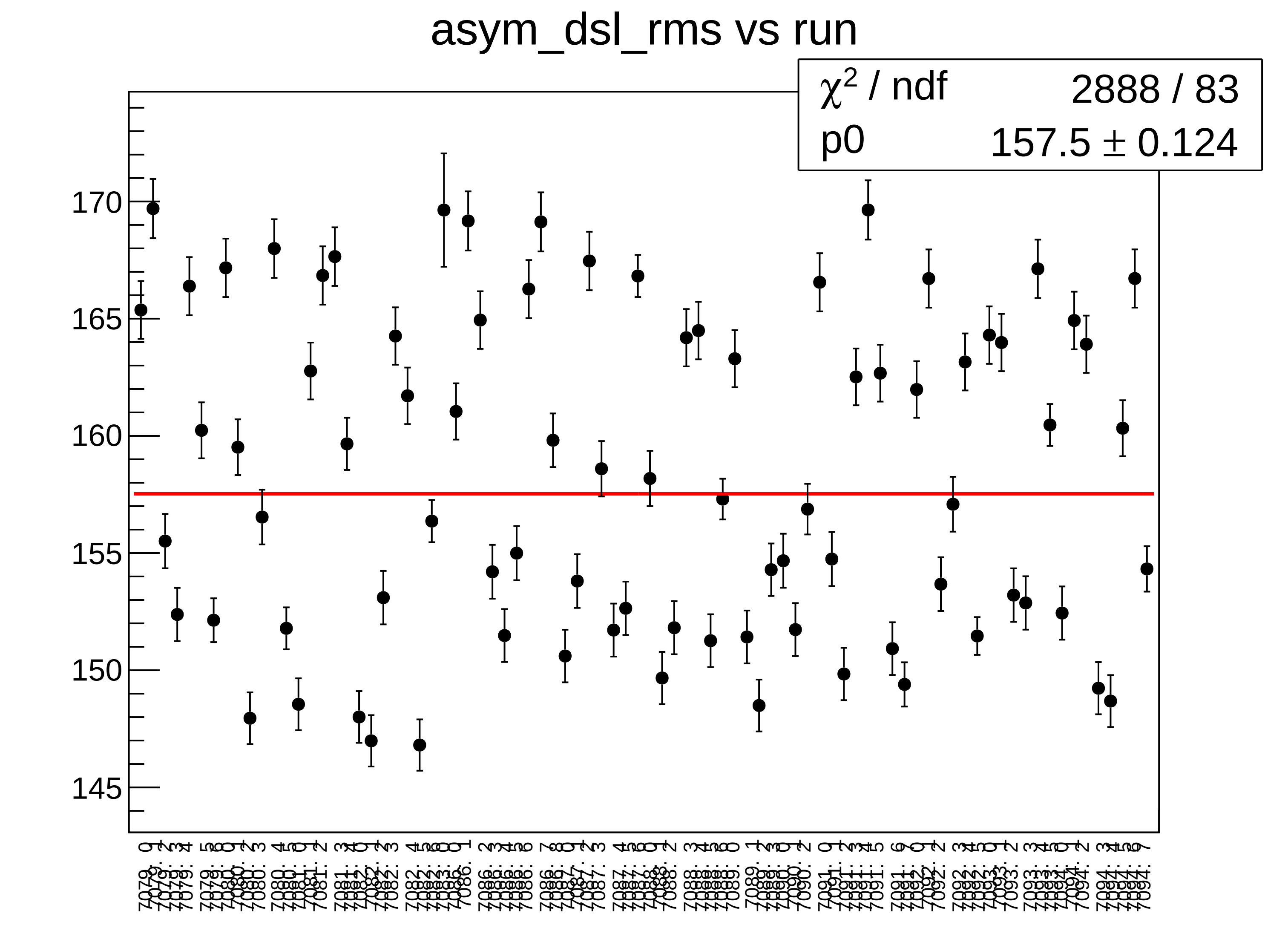

reg_asym_dsl_rms vs run
χ2 / ndf 2872 / 83
p0 157.5 ± 0.124
170
165
160
155
150
145

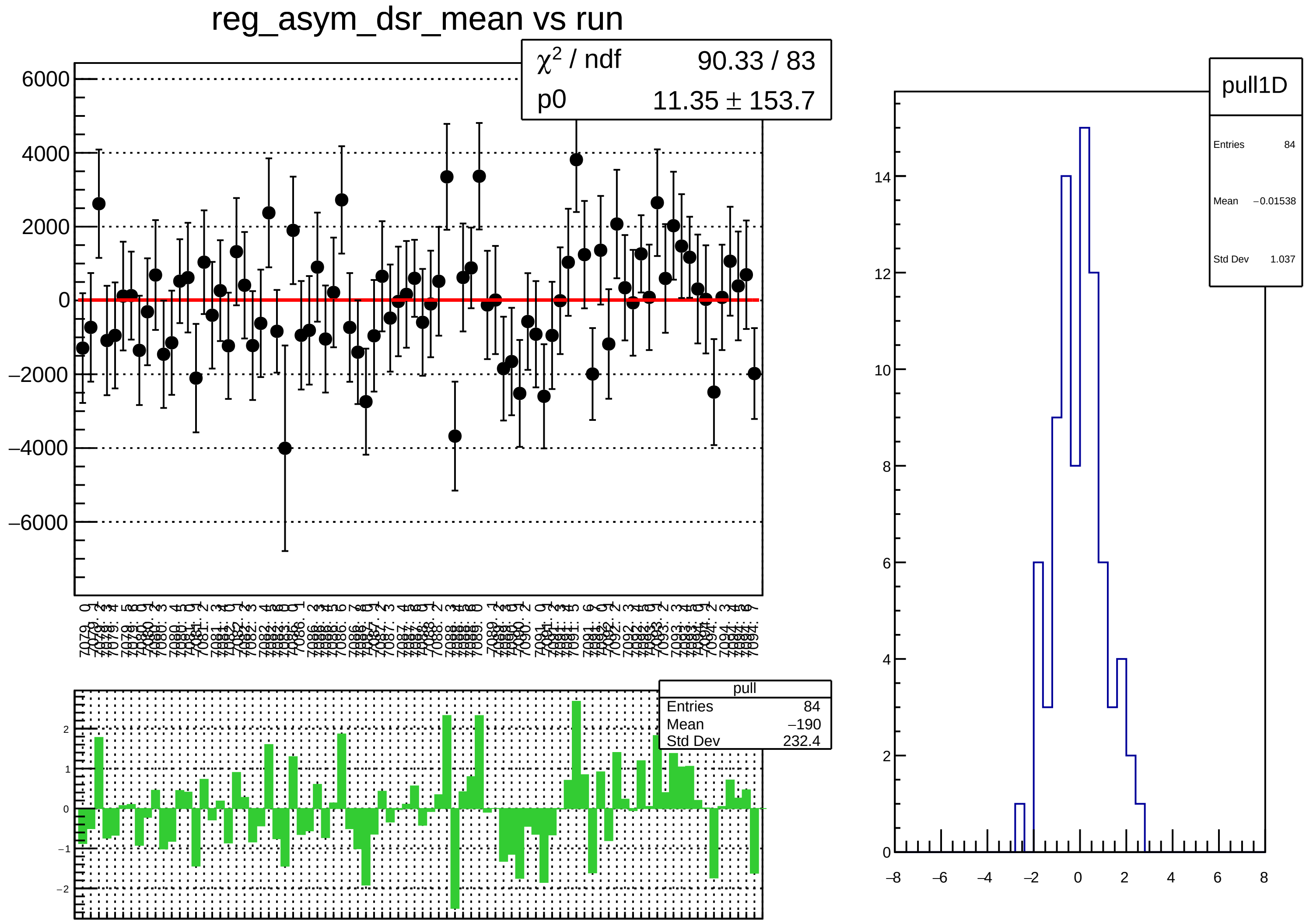

asym_dsl_correction_mean vs run
χ2 / ndf 87.72 / 83
p0 6.43 ± 3.028
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean −23.78
Std Dev 44.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean 0.06161
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

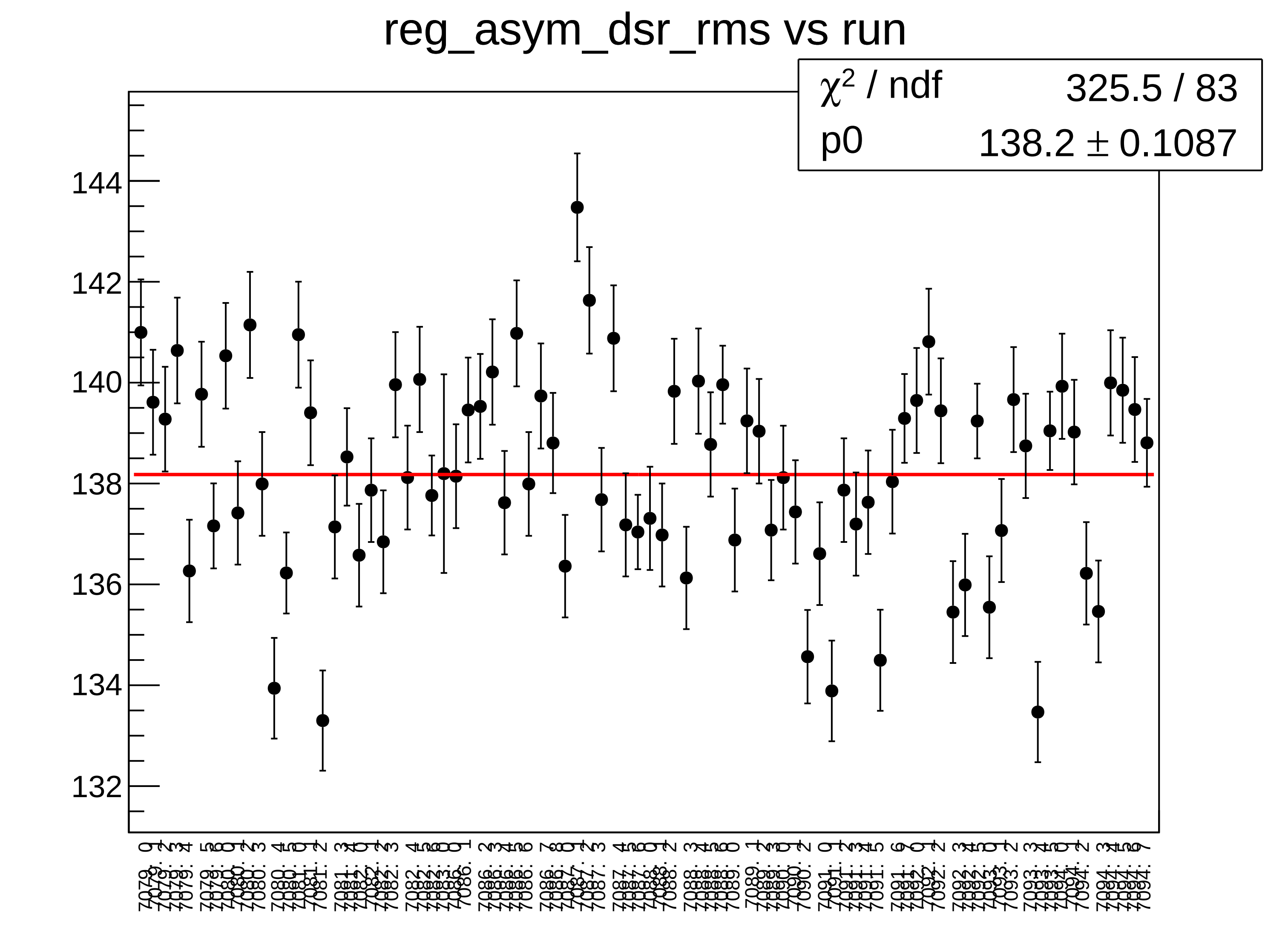


asym_dsl_correction_rms vs run
χ^2 / ndf 5.427e+05 / 83
p0 2.218 ± 0.002141
14
12
10
8
6
4
2

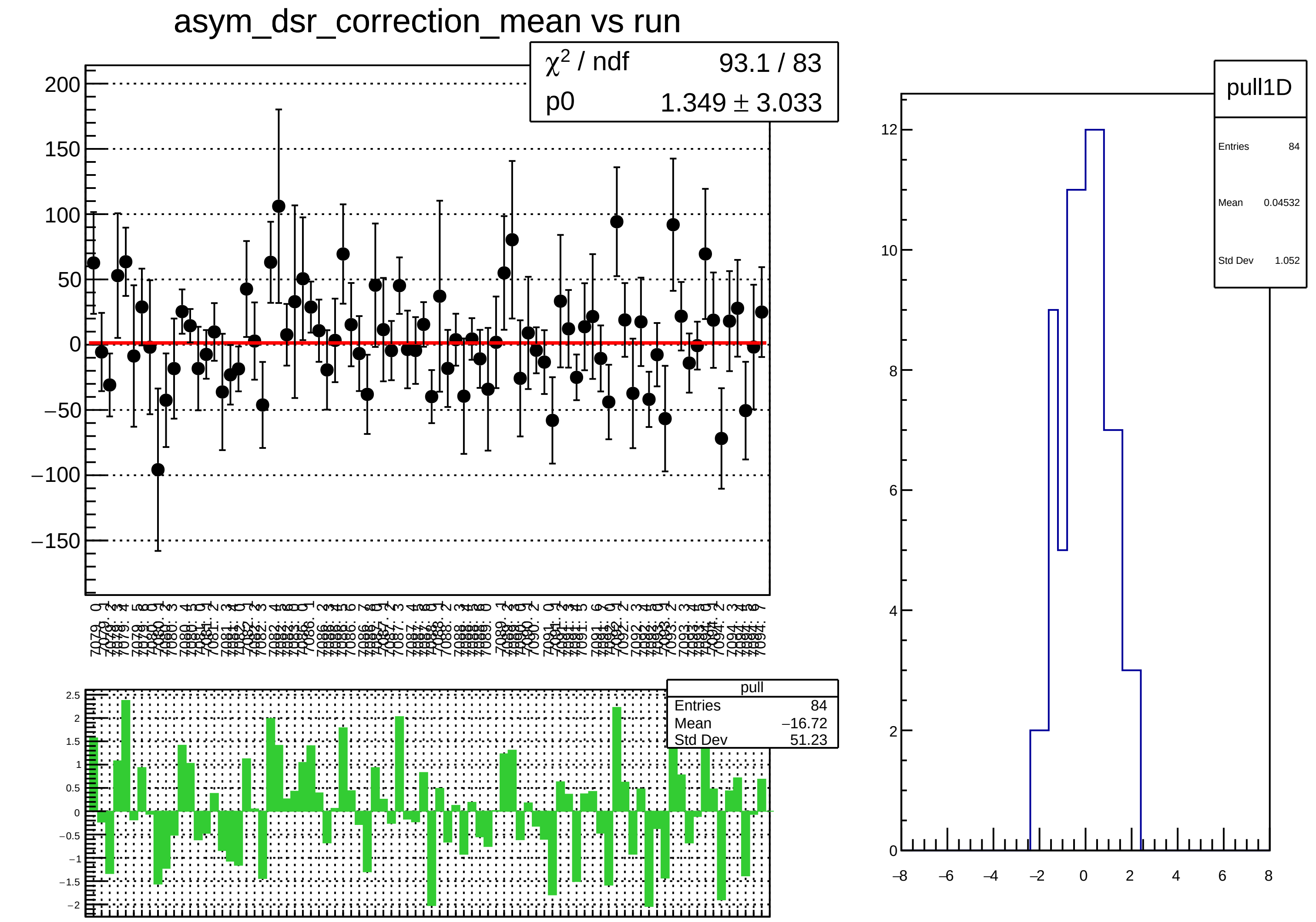

asym_dsl_mean vs run
χ2 / ndf 108.7 / 83
p0 14.39 ± 175.4
pull
Entries 84
Mean 33.6
Std Dev 68.36
pull1D
Entries 84
Mean −0.01057
Std Dev 1.137

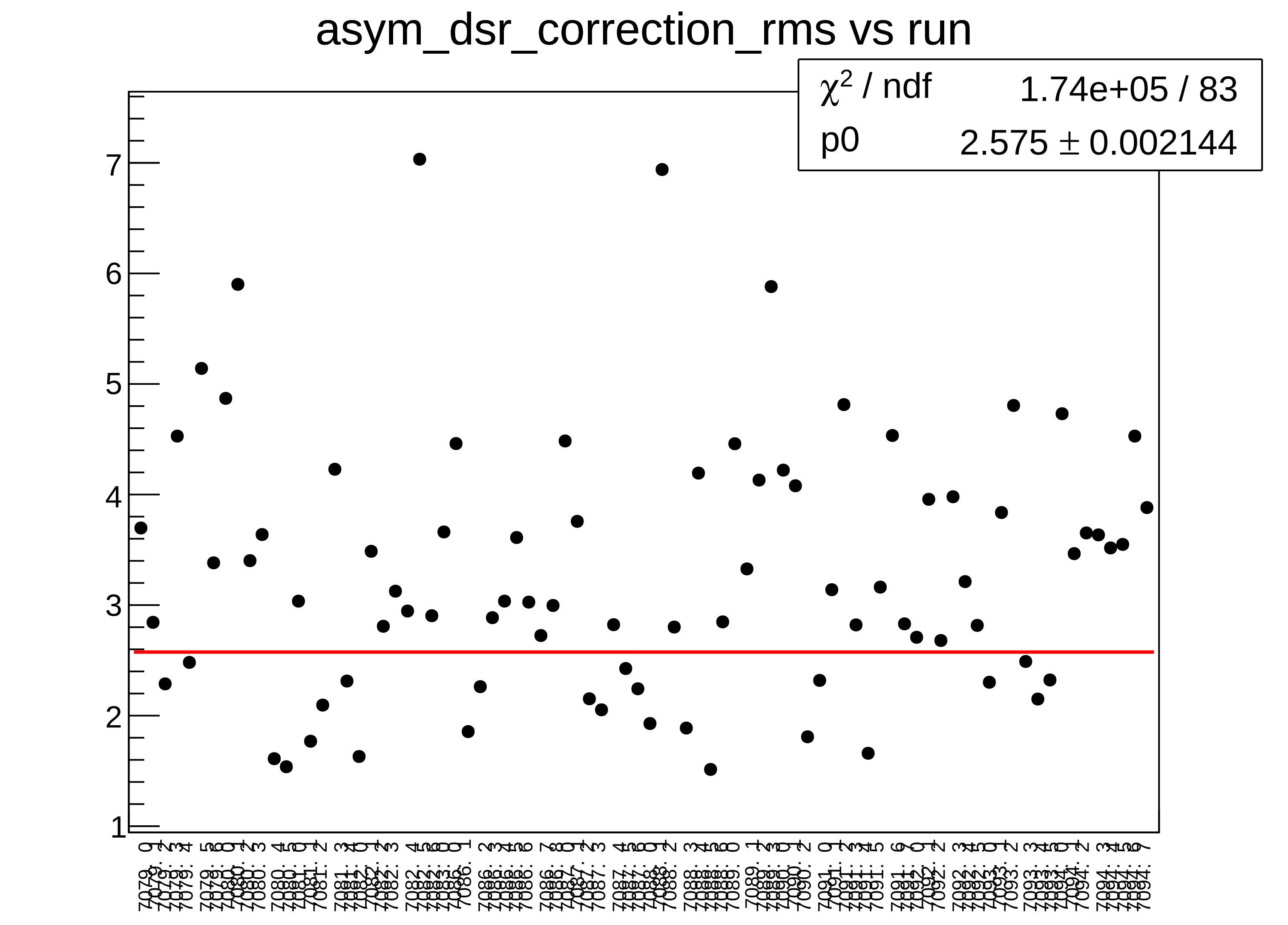

asym_dsl_rms vs run
χ2 / ndf 2888 / 83
p0 157.5 ± 0.124
145
150
155
160
165
170

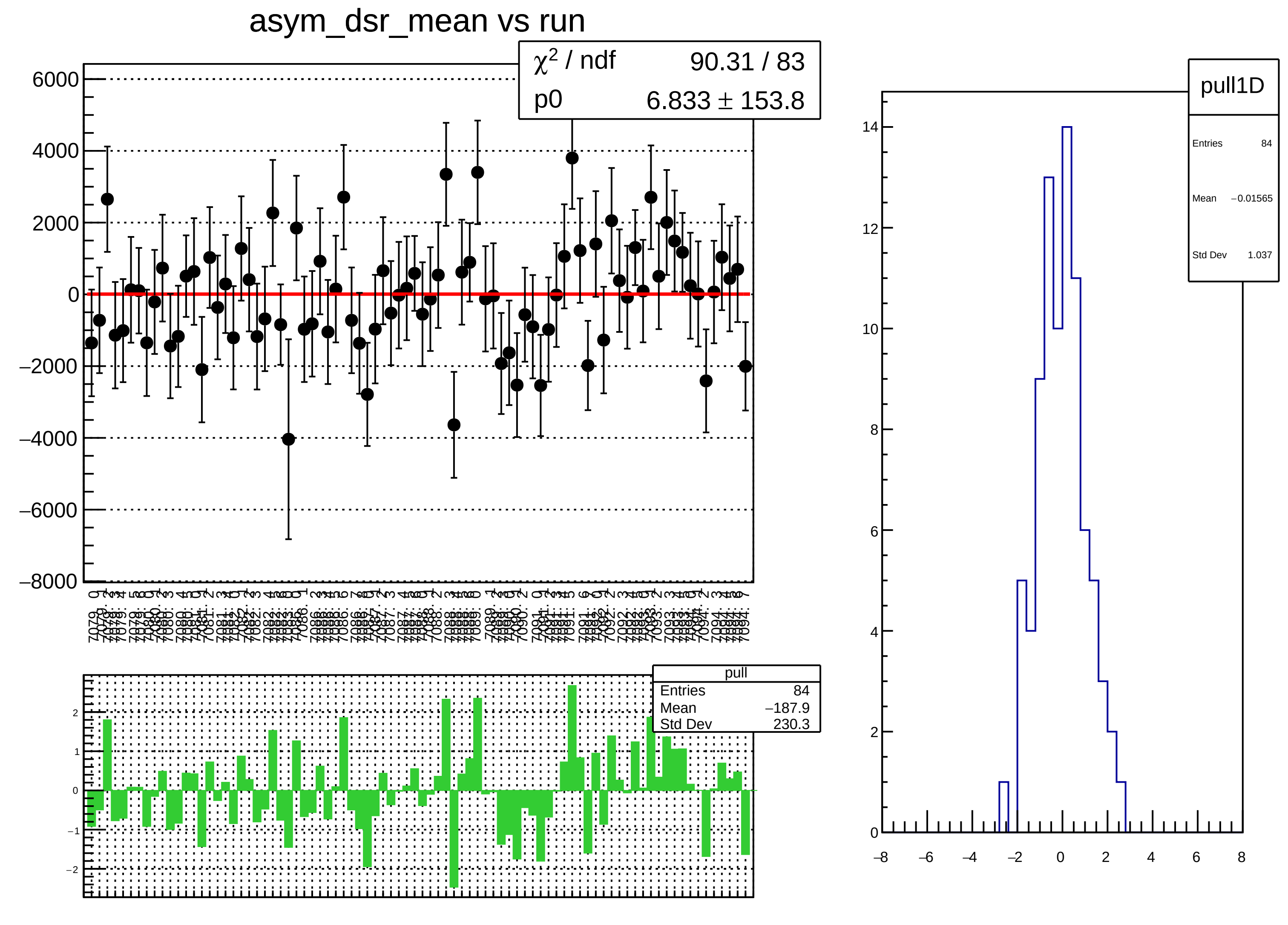

reg_asym_dsr_mean vs run
χ^2 / ndf 90.33 / 83
p0 11.35 ± 153.7
pull
Entries 84
Mean −190
Std Dev 232.4
pull1D
Entries 84
Mean −0.01538
Std Dev 1.037

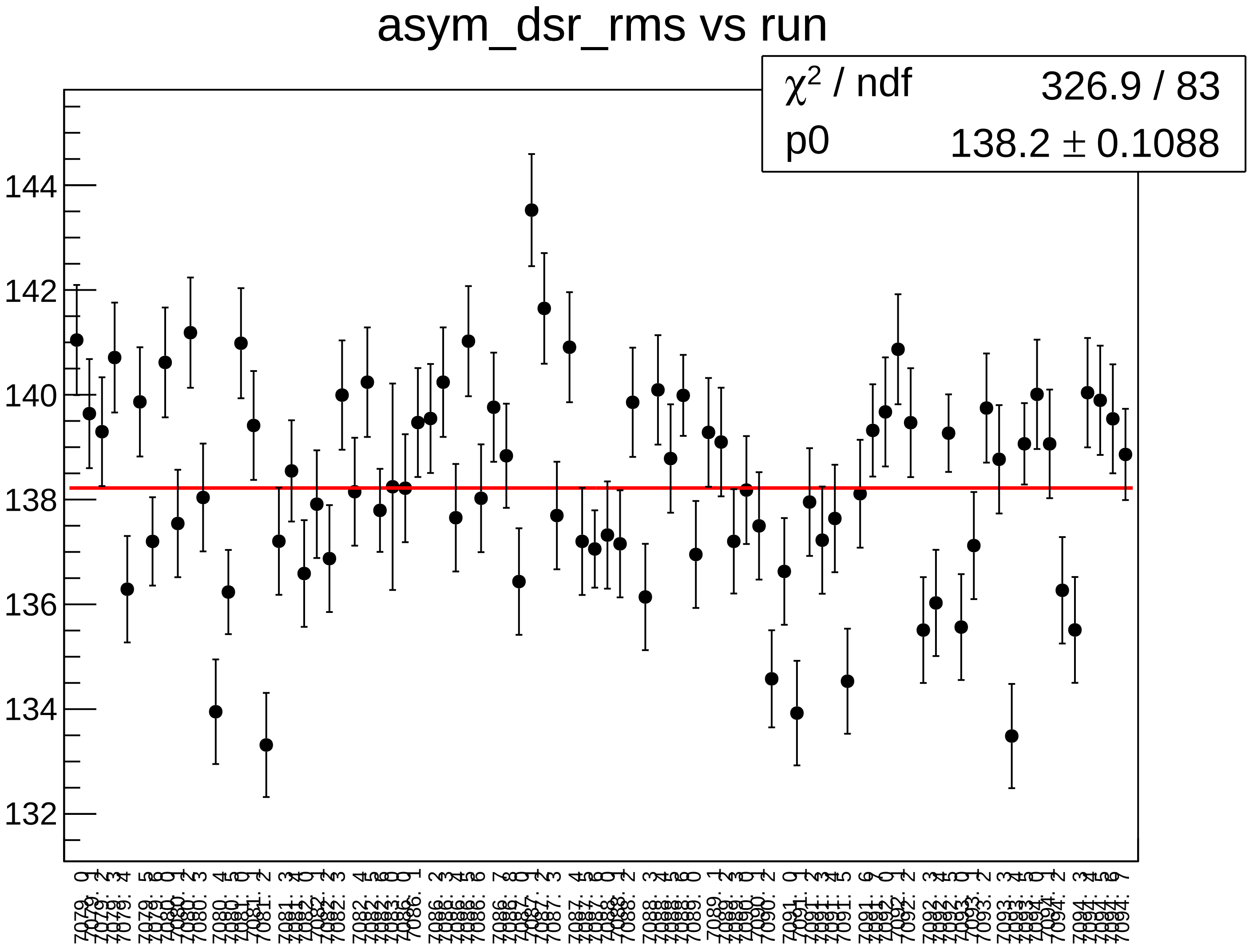


reg_asym_dsr_rms vs run
χ^2 / ndf 325.5 / 83
p0 138.2 ± 0.1087
144
142
140
138
136
134
132

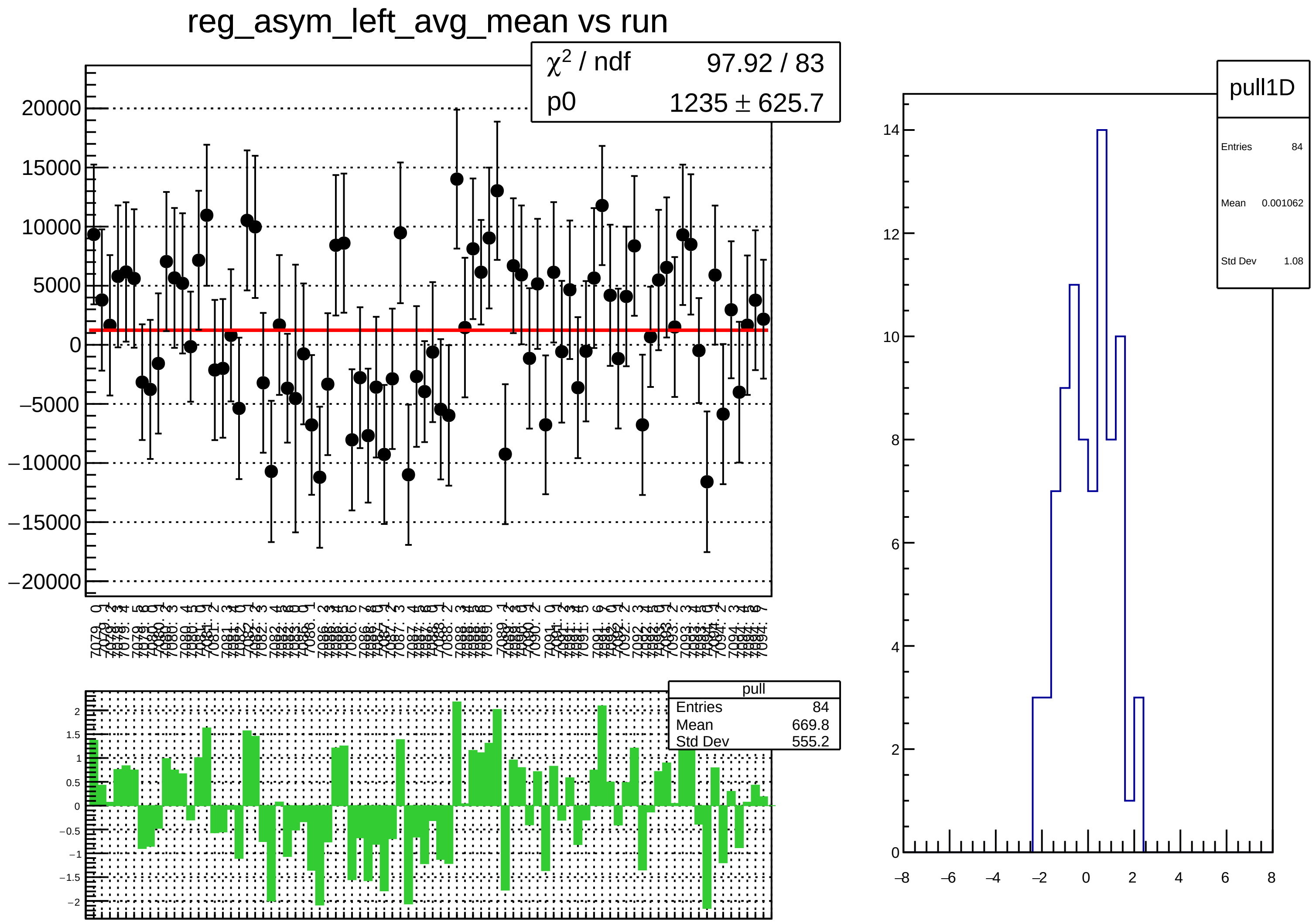

asym_dsr_correction_mean vs run
χ2 / ndf 93.1 / 83
p0 1.349 ± 3.033
200
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −16.72
Std Dev 51.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean 0.04532
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

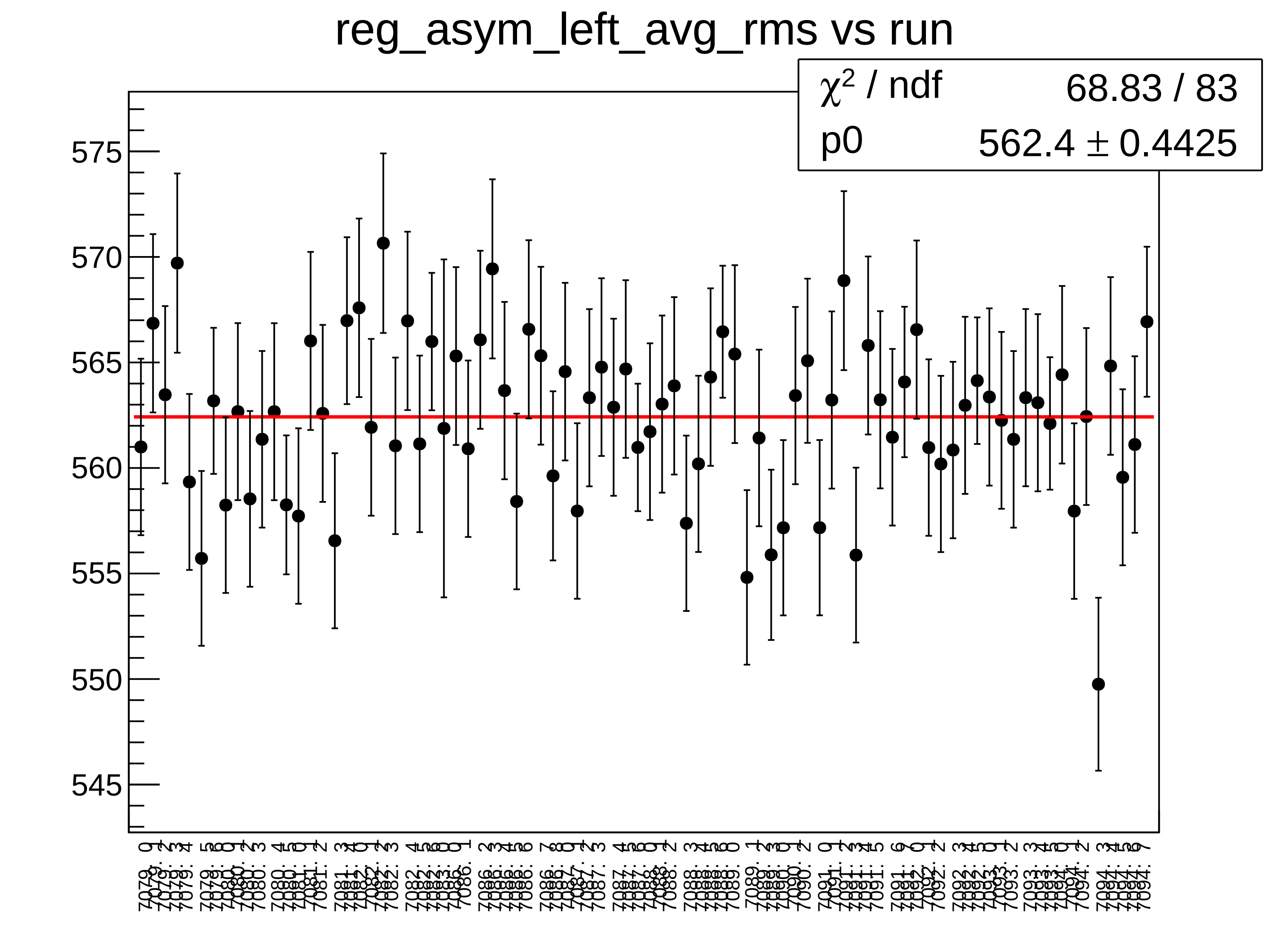

asym_dsr_correction_rms vs run
χ^2 / ndf 1.74e+05 / 83
p0 2.575 ± 0.002144
1
2
3
4
5
6
7

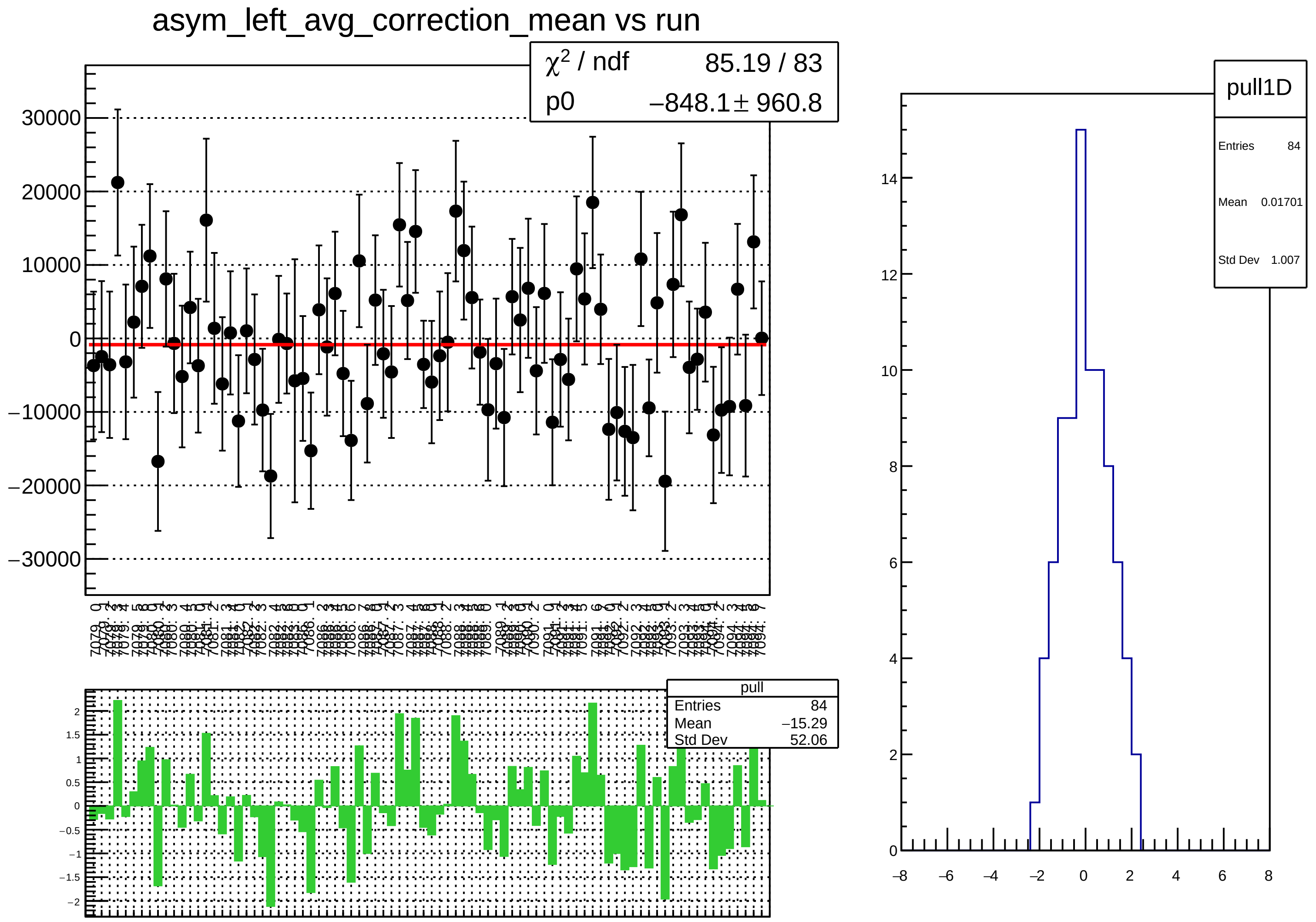

asym_dsr_mean vs run
χ^2 / ndf 90.31 / 83
p0 6.833 ± 153.8
pull
Entries 84
Mean −187.9
Std Dev 230.3
pull1D
Entries 84
Mean −0.01565
Std Dev 1.037



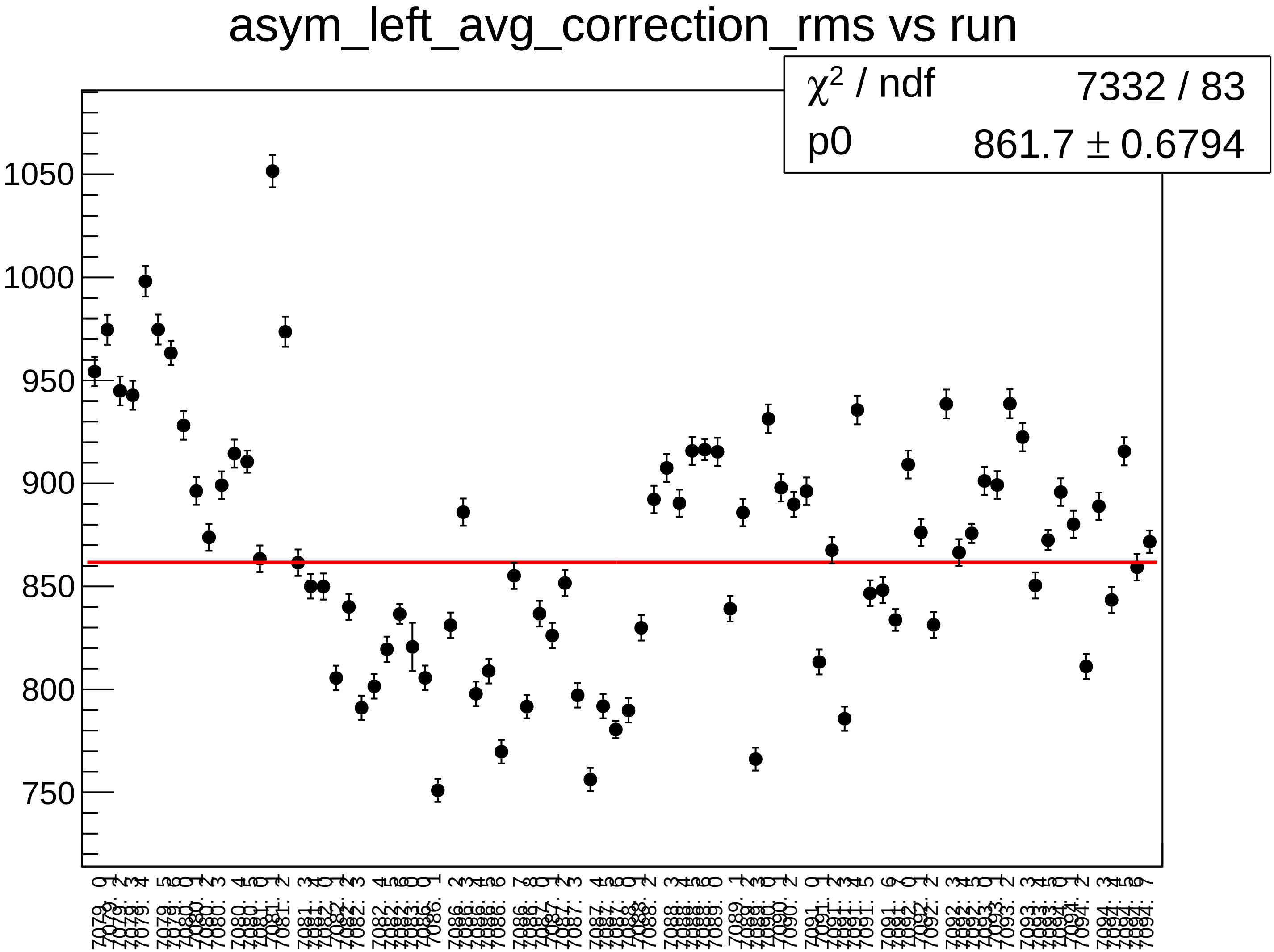
asym_dsr_rms vs run
χ^2 / ndf 326.9 / 83
p0 138.2 ± 0.1088
144
142
140
138
136
134
132


reg_asym_left_avg_mean vs run
χ2 / ndf 97.92 / 83
p0 1235 ± 625.7
pull
Entries 84
Mean 669.8
Std Dev 555.2
pull1D
Entries 84
Mean 0.001062
Std Dev 1.08

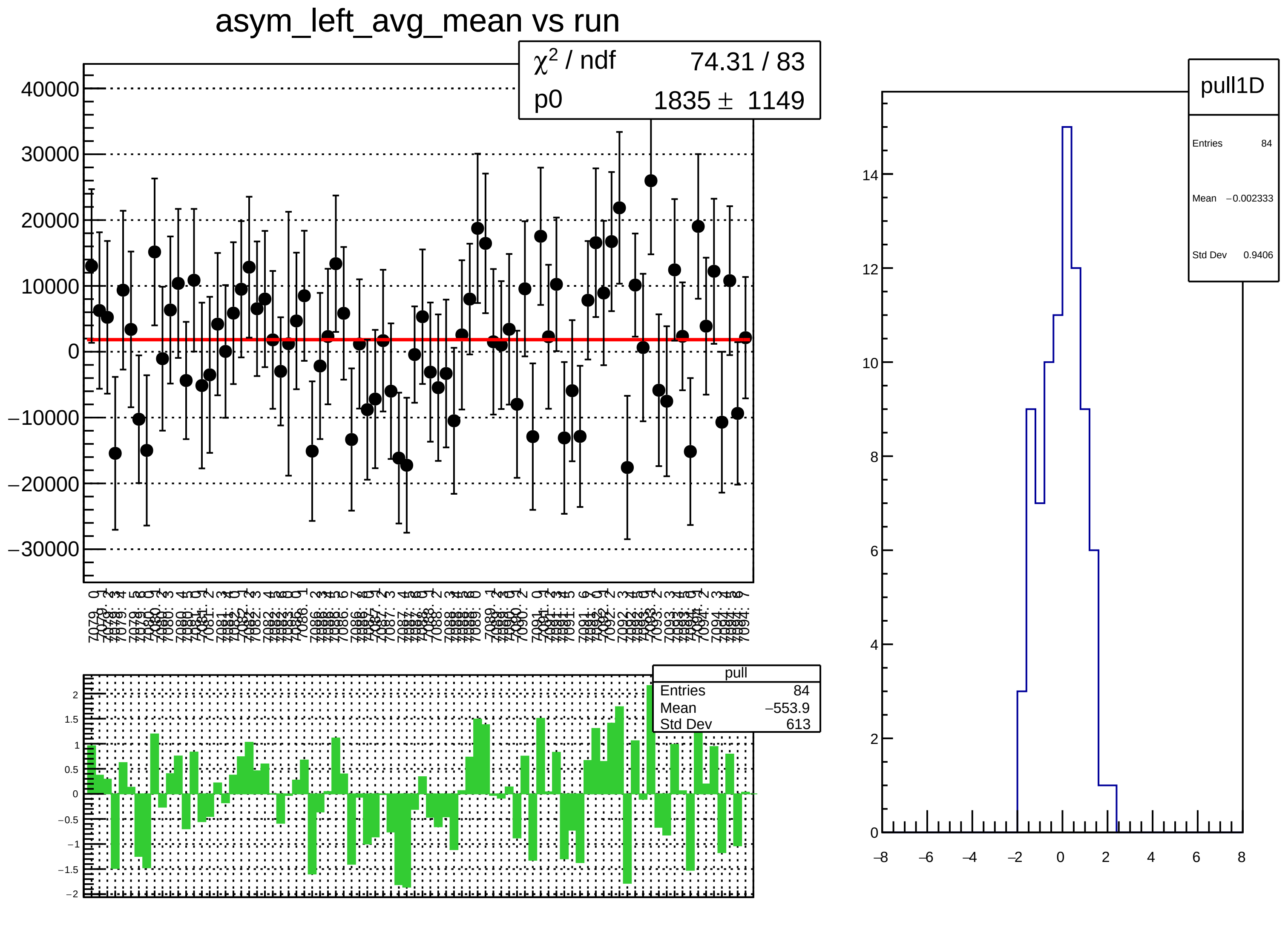

reg_asym_left_avg_rms vs run
χ2 / ndf 68.83 / 83
p0 562.4 ± 0.4425
575
570
565
560
555
550
545



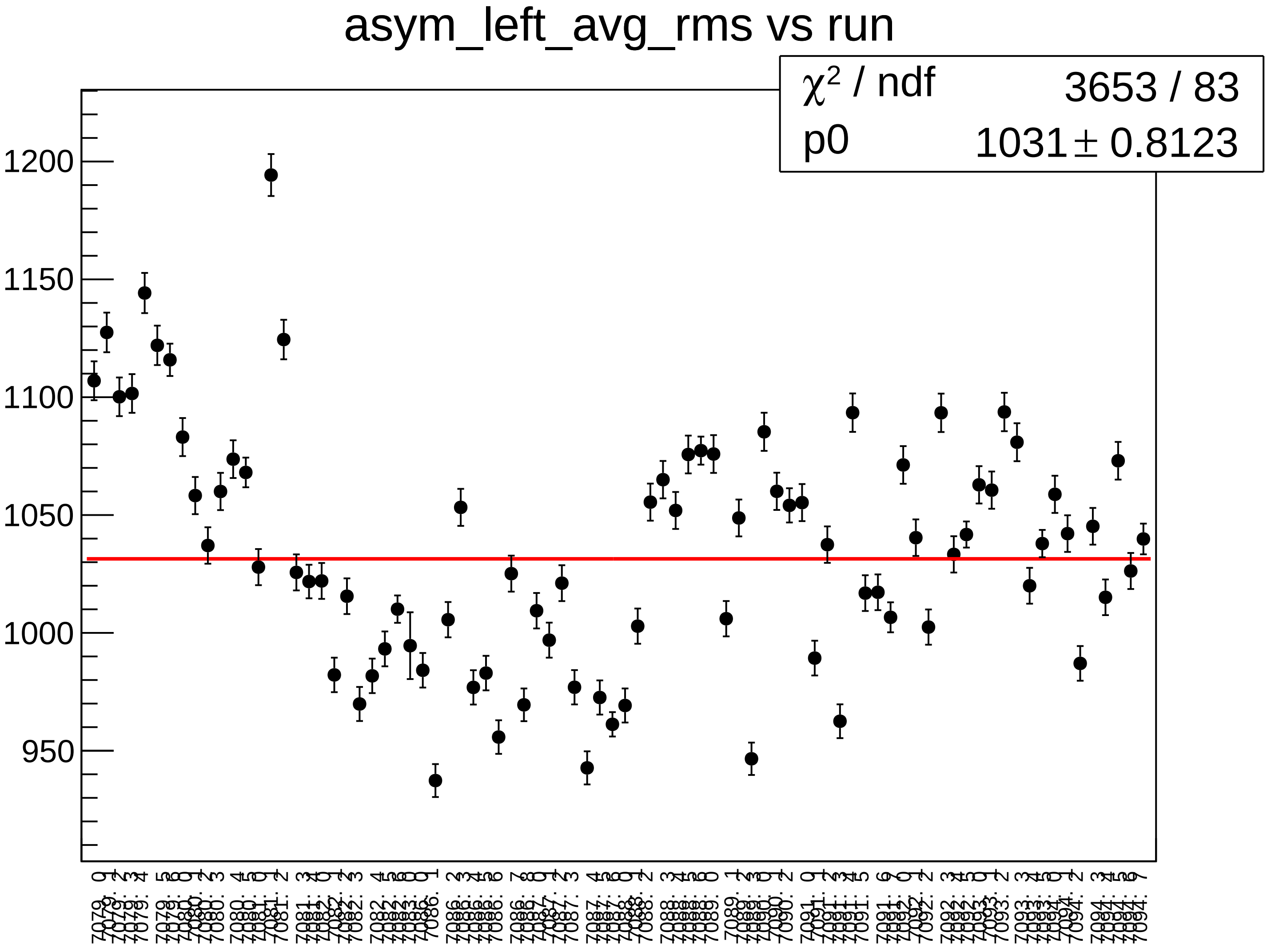
asym_left_avg_correction_mean vs run
χ^2 / ndf 85.19 / 83
p0 −848.1 ± 960.8
pull
Entries 84
Mean −15.29
Std Dev 52.06
pull1D
Entries 84
Mean 0.01701
Std Dev 1.007

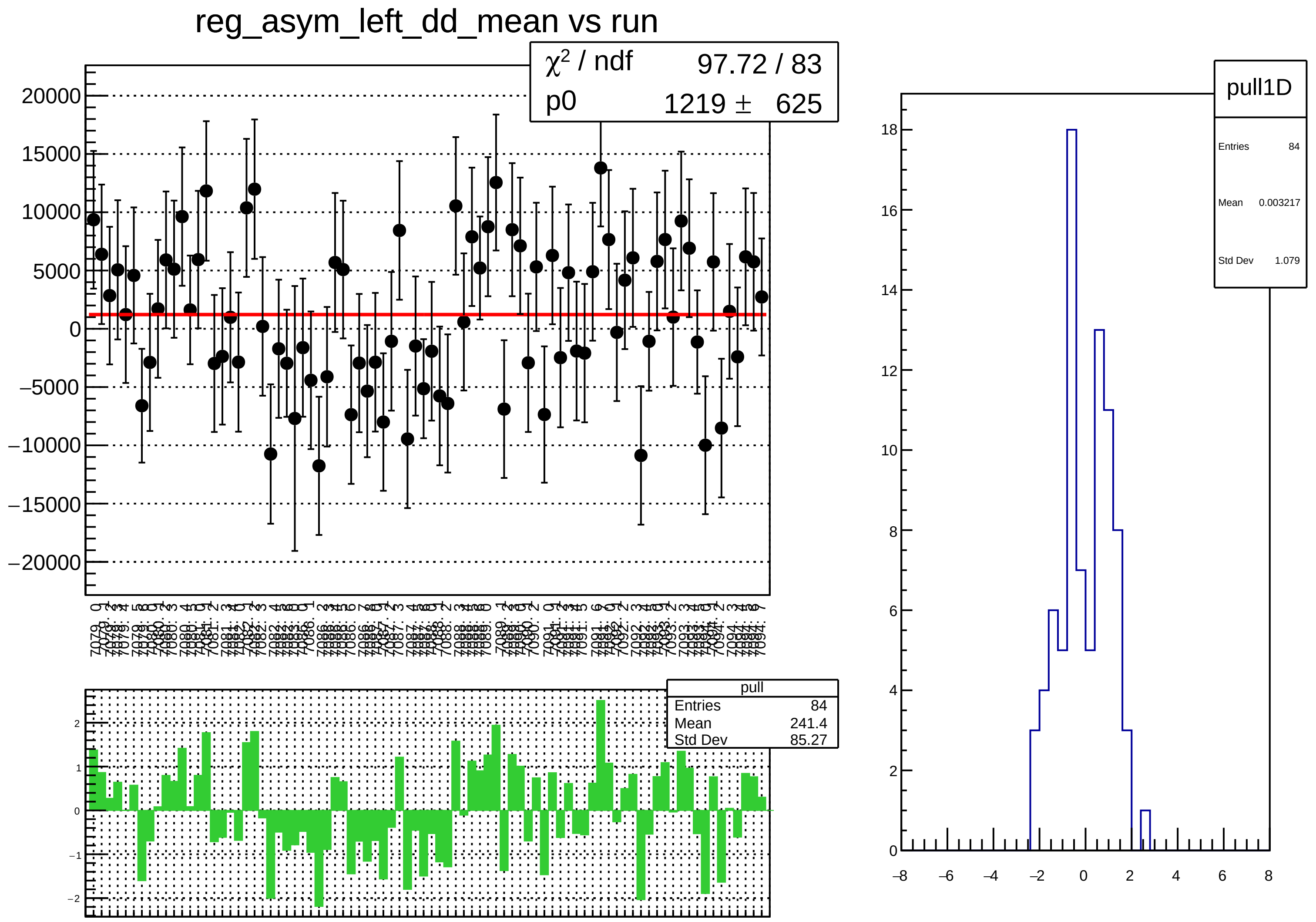


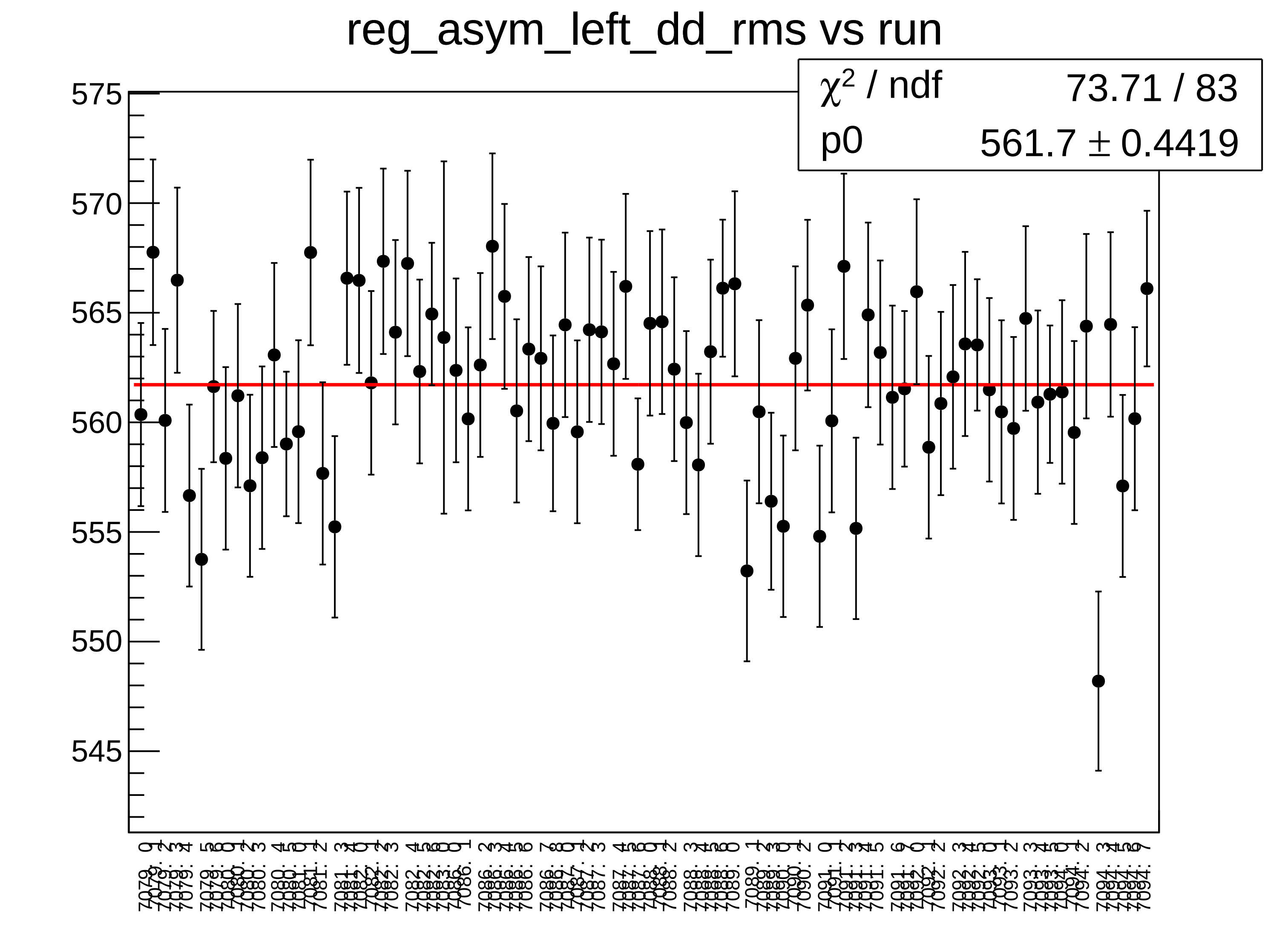
asym_left_avg_correction_rms vs run
χ^2 / ndf 7332 / 83
p0 861.7 ± 0.6794
1050
1000
950
900
850
800
750

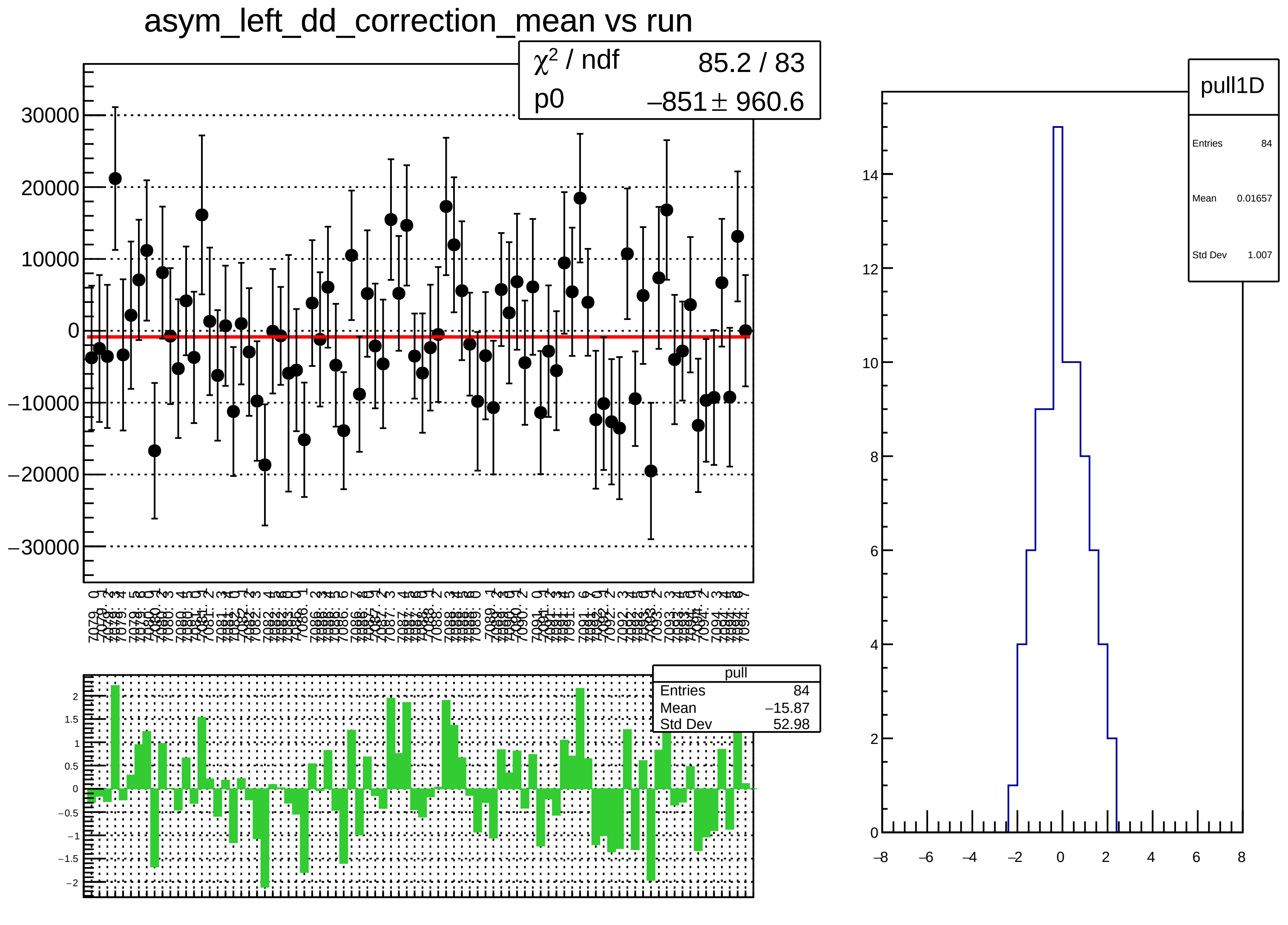


asym_left_avg_mean vs run
χ^2 / ndf 74.31 / 83
p0 1835 ± 1149
pull
Entries 84
Mean −553.9
Std Dev 613
pull1D
Entries 84
Mean −0.002333
Std Dev 0.9406

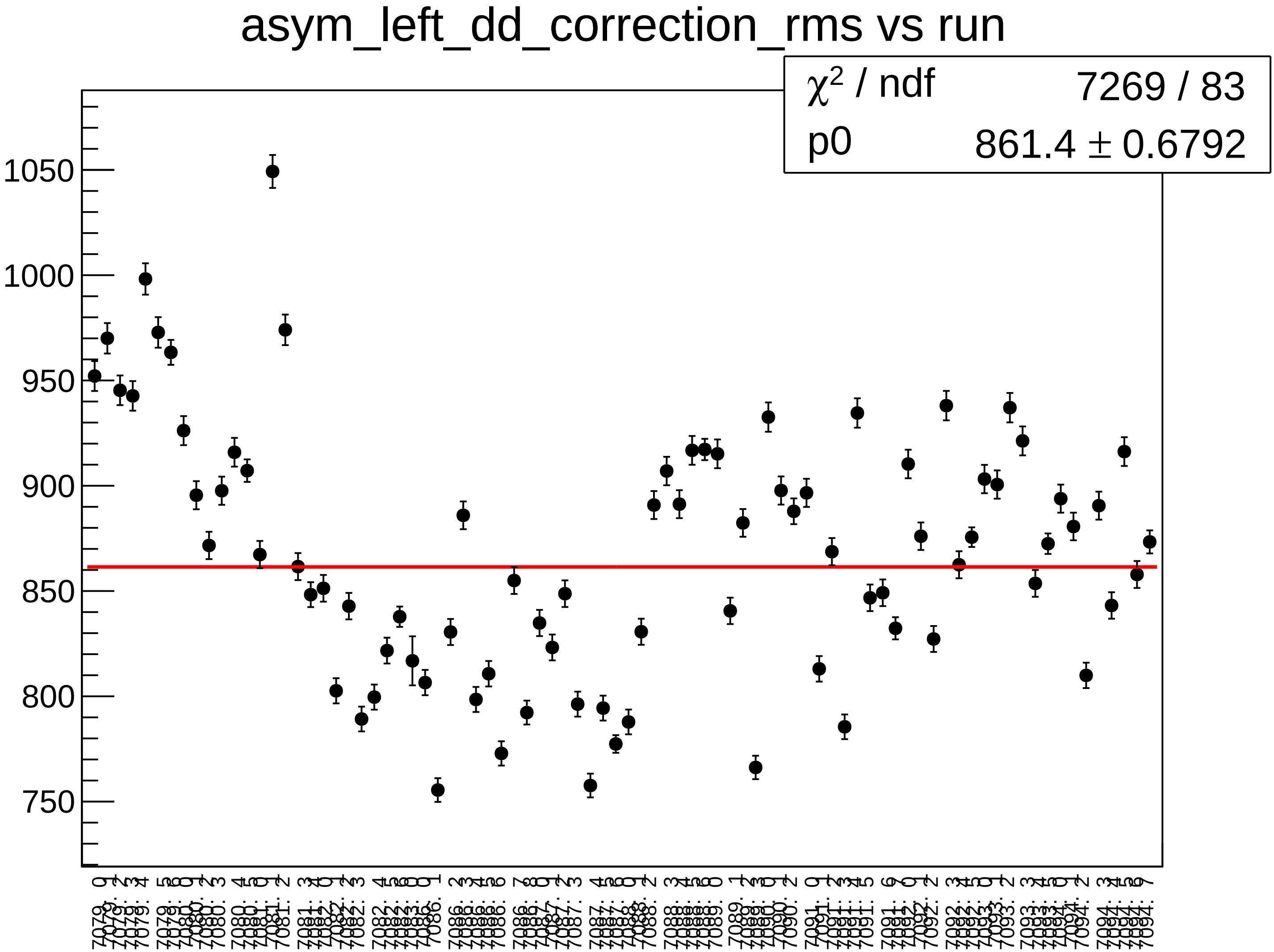

asym_left_avg_rms vs run
χ2 / ndf 3653 / 83
p0 1031 ± 0.8123
1200
1150
1100
1050
1000
950


reg_asym_left_dd_mean vs run
χ^2 / ndf 97.72 / 83
p0 1219 ± 625
pull
Entries 84
Mean 241.4
Std Dev 85.27
pull1D
Entries 84
Mean 0.003217
Std Dev 1.079

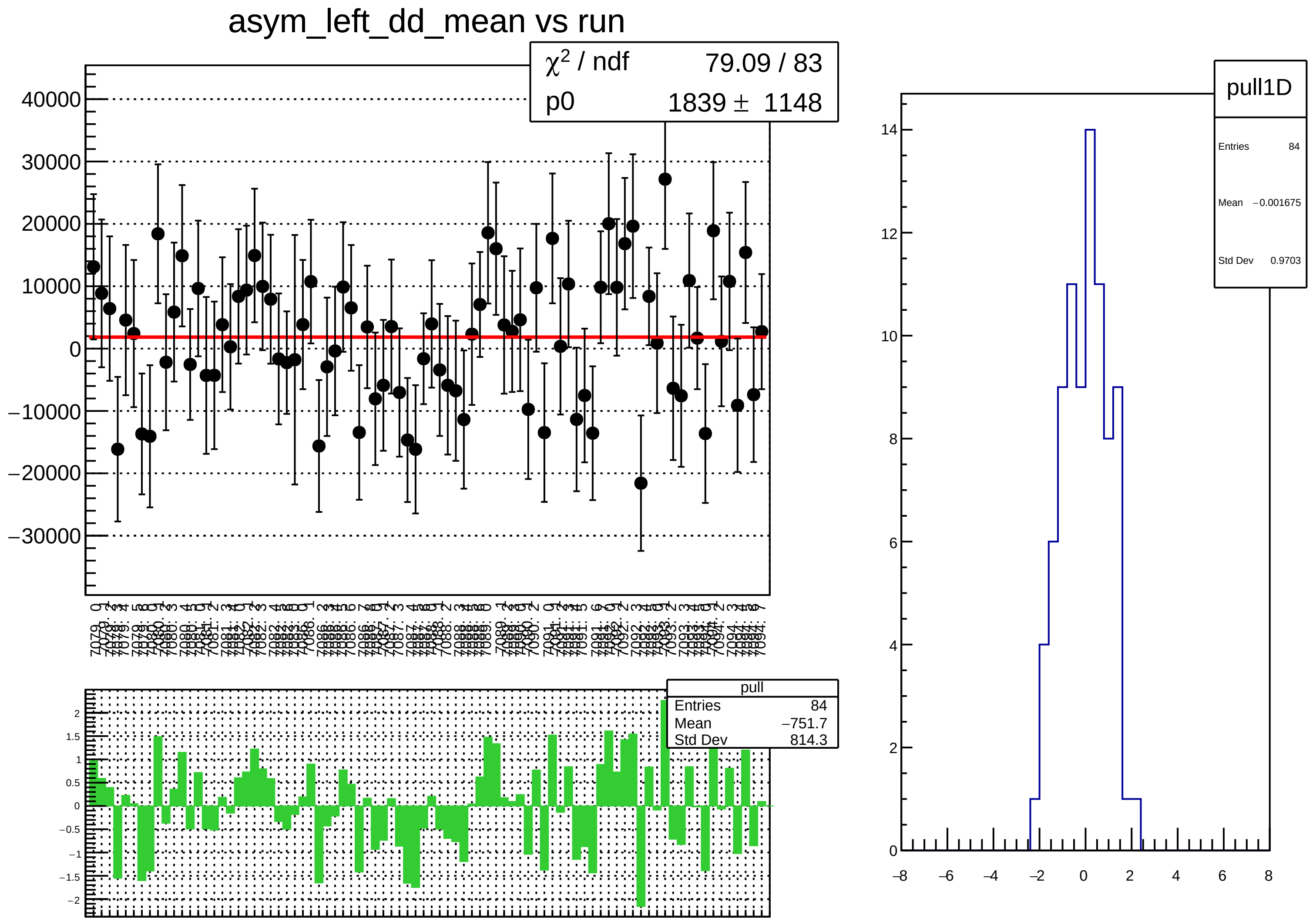

reg_asym_left_dd_rms vs run
χ2 / ndf 73.71 / 83
p0 561.7 ± 0.4419
575
570
565
560
555
550
545

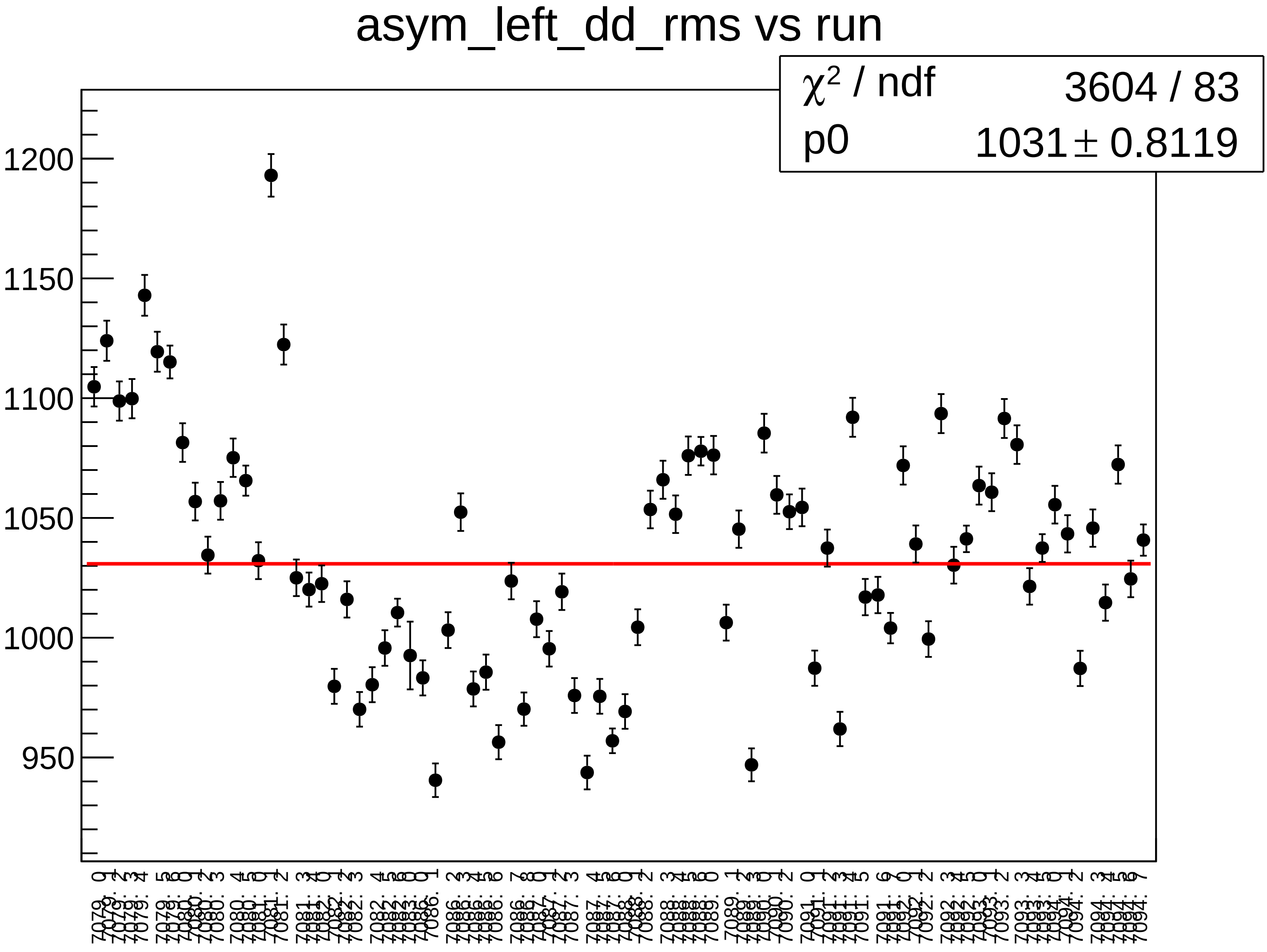


asym_left_dd_correction_mean vs run
χ^2 / ndf 85.2 / 83
p0 −851 ± 960.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −15.87
Std Dev 52.98
pull1D
Entries 84
Mean 0.01657
Std Dev 1.007

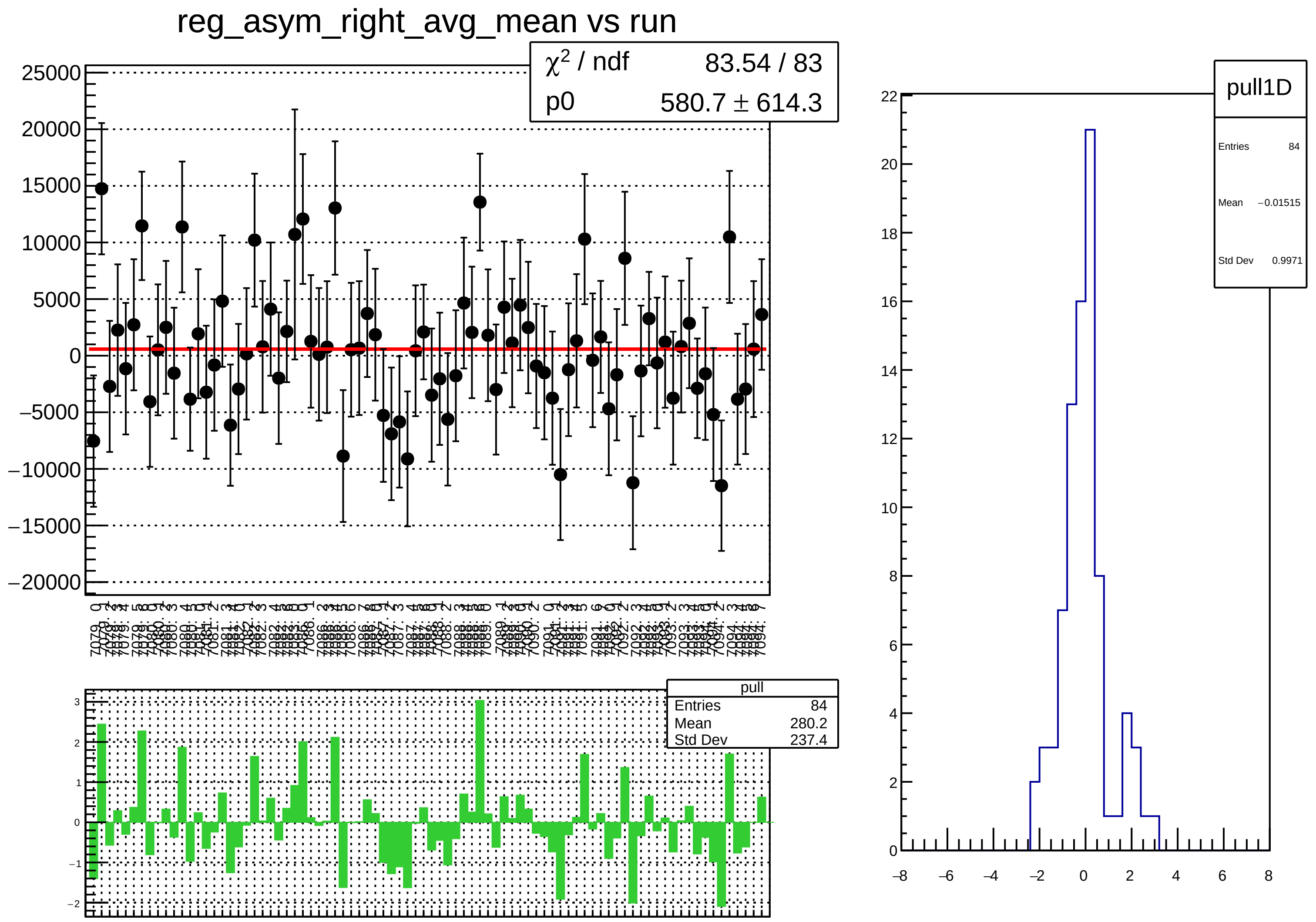


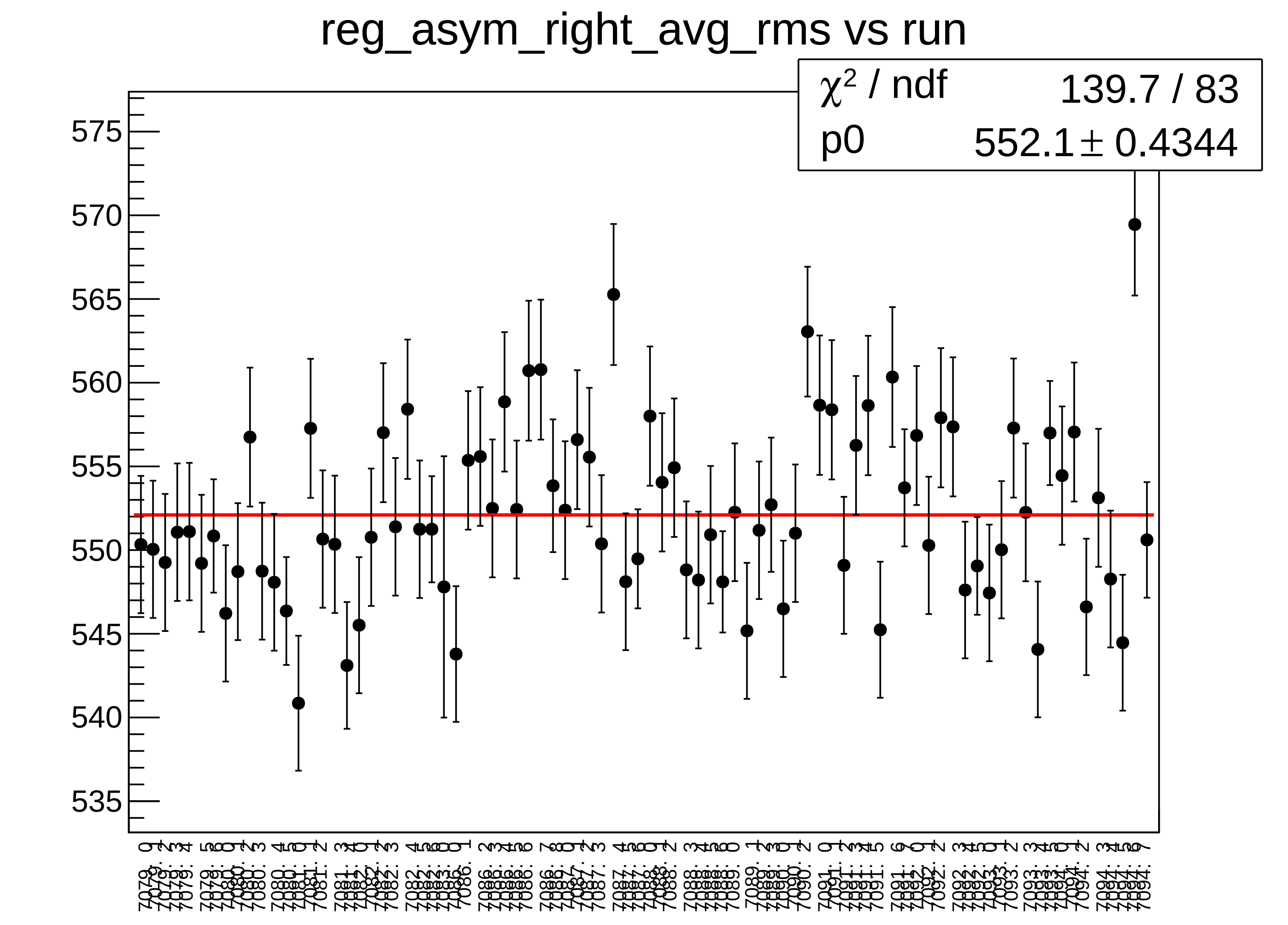
asym_left_dd_correction_rms vs run
χ^2 / ndf 7269 / 83
p0 861.4 ± 0.6792
1050
1000
950
900
850
800
750


asym_left_dd_mean vs run
χ^2 / ndf 79.09 / 83
p0 1839 ± 1148
pull
Entries 84
Mean −751.7
Std Dev 814.3
pull1D
Entries 84
Mean −0.001675
Std Dev 0.9703

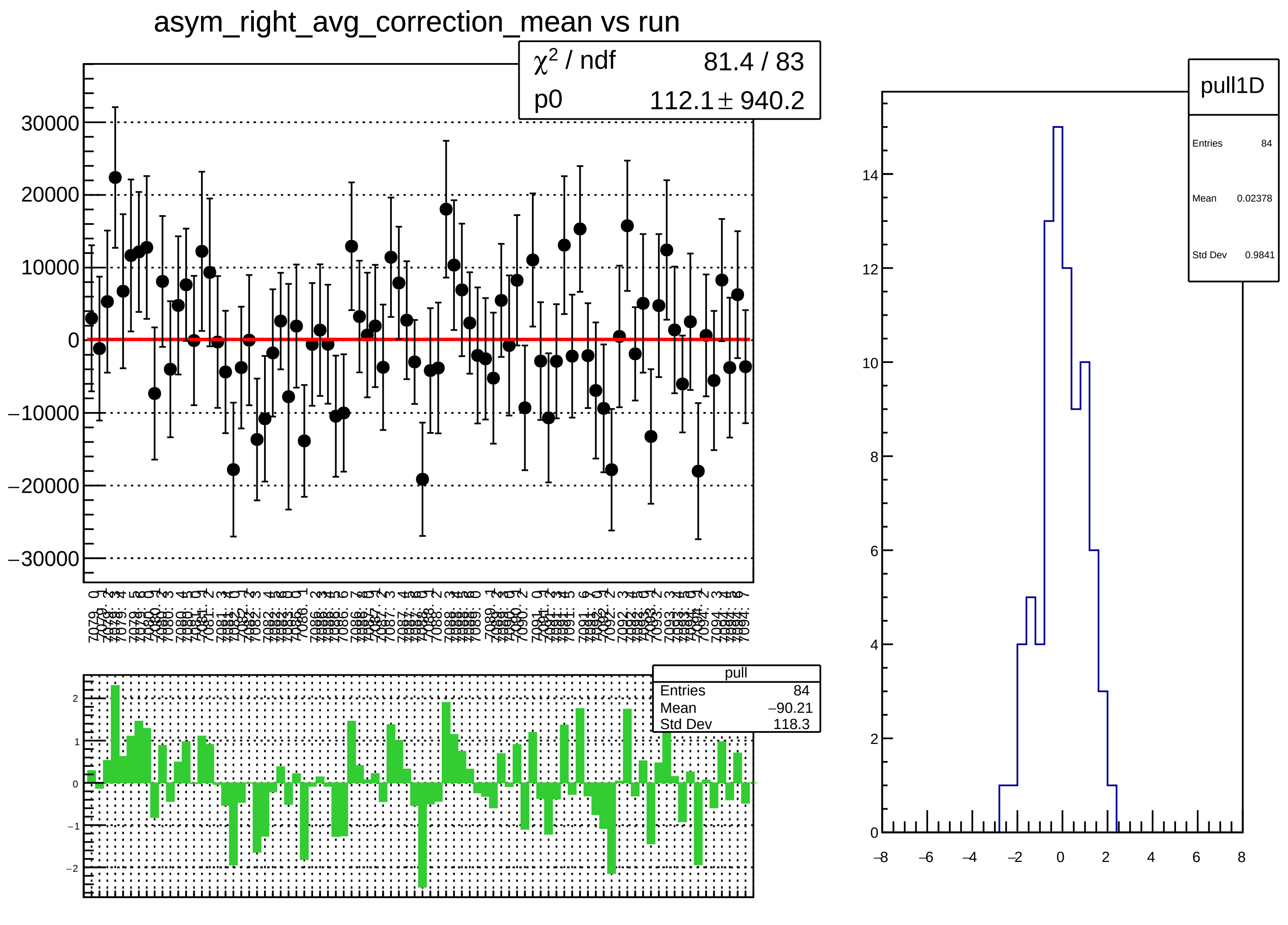


asym_left_dd_rms vs run
χ² / ndf 3604 / 83
p0 1031 ± 0.8119
1200
1150
1100
1050
1000
950

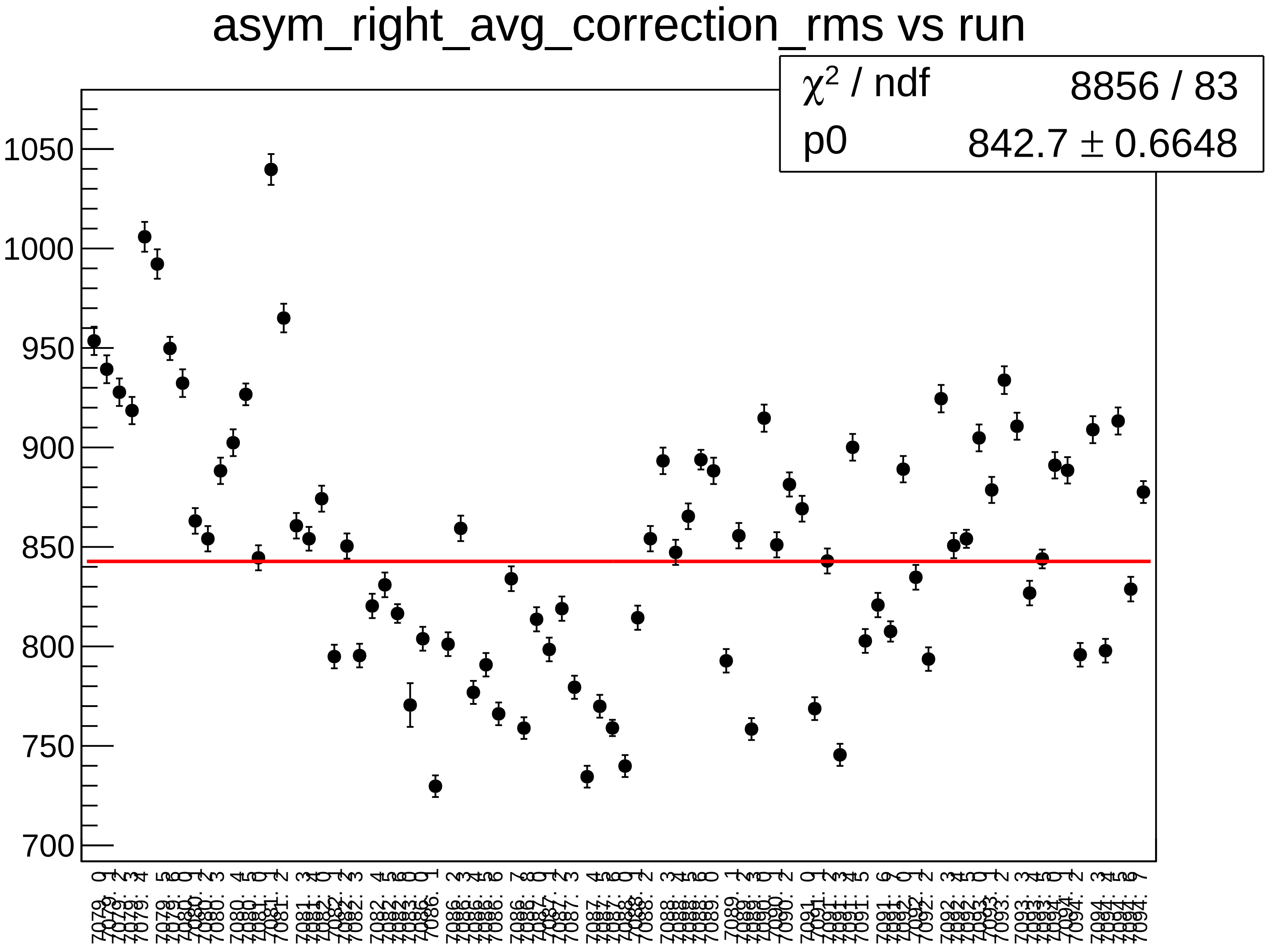

reg_asym_right_avg_mean vs run
χ^2 / ndf 83.54 / 83
p0 580.7 ± 614.3
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean 280.2
Std Dev 237.4
3
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.01515
Std Dev 0.9971
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

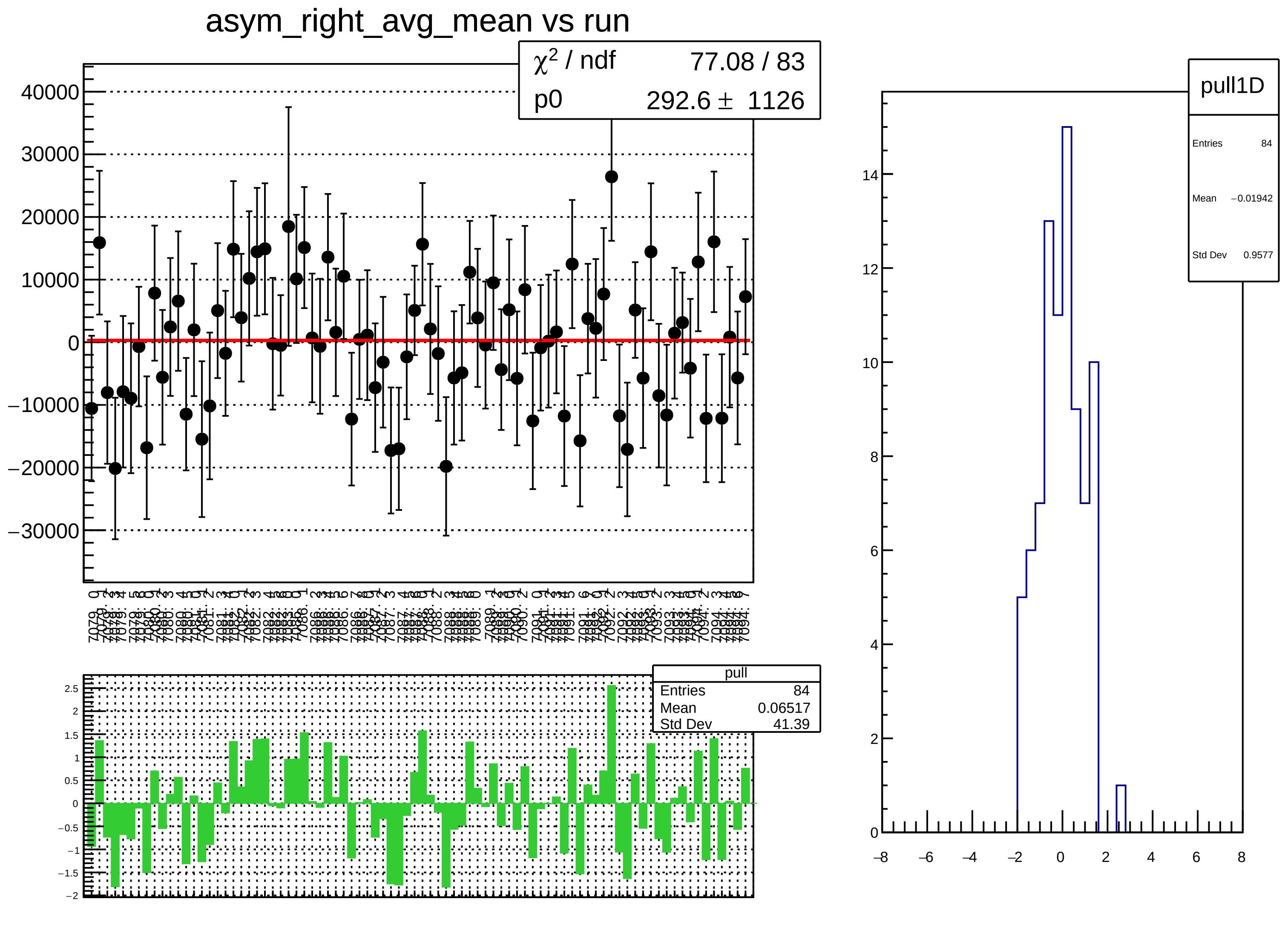


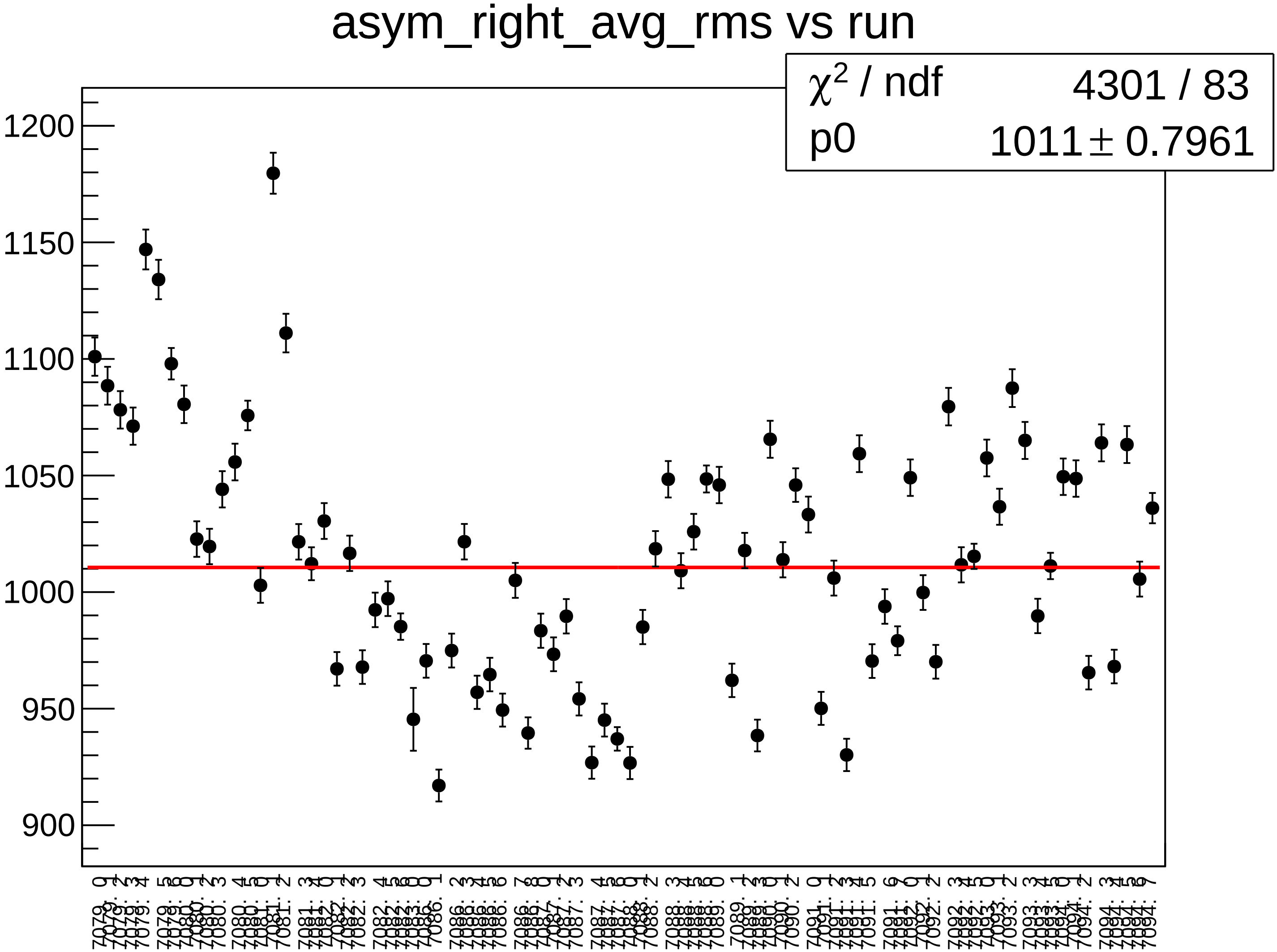
reg_asym_right_avg_rms vs run
χ^2 / ndf 139.7 / 83
p0 552.1 ± 0.4344
575
570
565
560
555
550
545
540
535



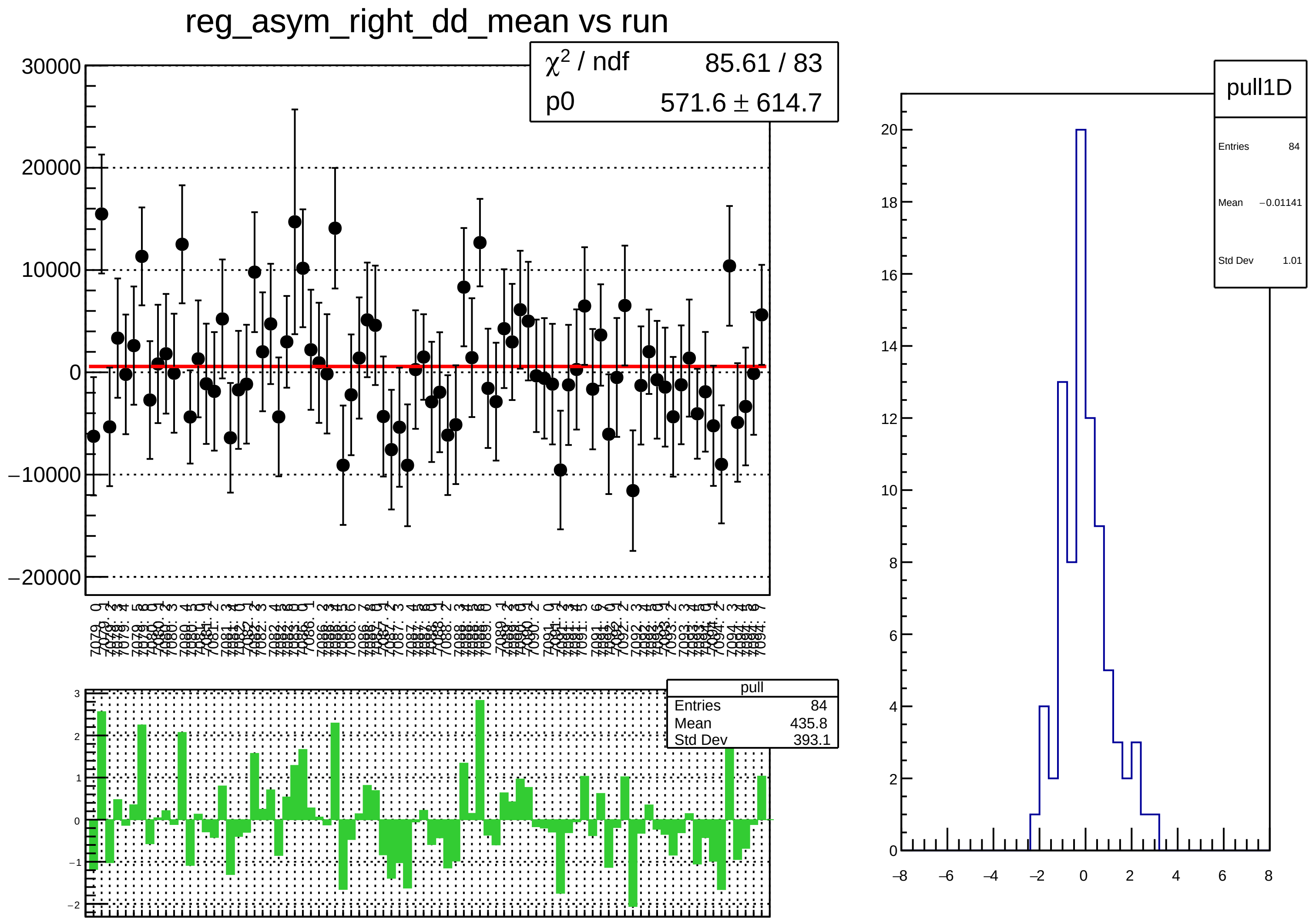
asym_right_avg_correction_mean vs run
χ^2 / ndf 81.4 / 83
p0 112.1 ± 940.2
pull
Entries 84
Mean −90.21
Std Dev 118.3
pull1D
Entries 84
Mean 0.02378
Std Dev 0.9841


asym_right_avg_correction_rms vs run
χ2 / ndf 8856 / 83
p0 842.7 ± 0.6648
1050
1000
950
900
850
800
750
700

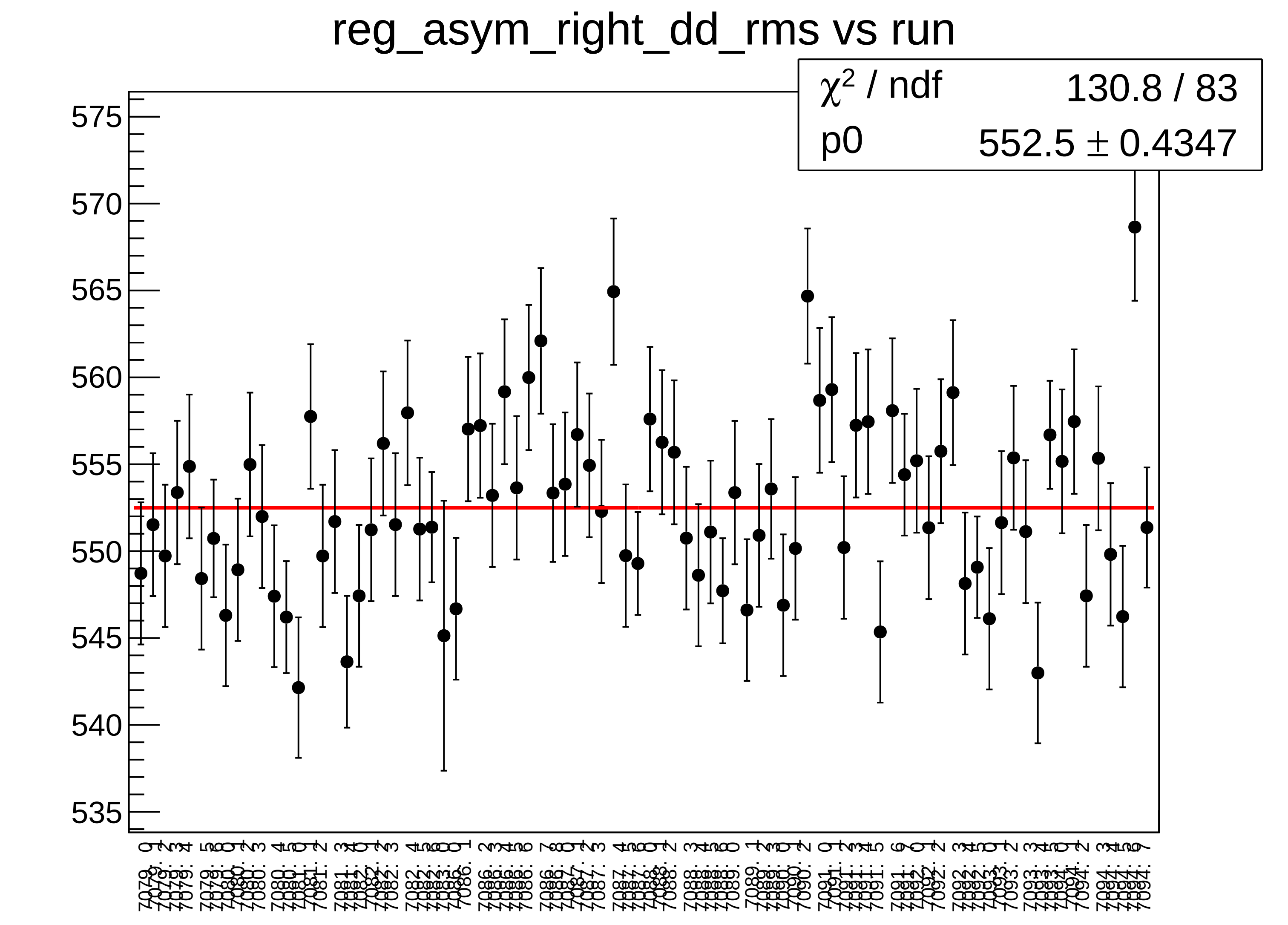

asym_right_avg_mean vs run
χ^2 / ndf 77.08 / 83
p0 292.6 ± 1126
pull
Entries 84
Mean 0.06517
Std Dev 41.39
pull1D
Entries 84
Mean −0.01942
Std Dev 0.9577

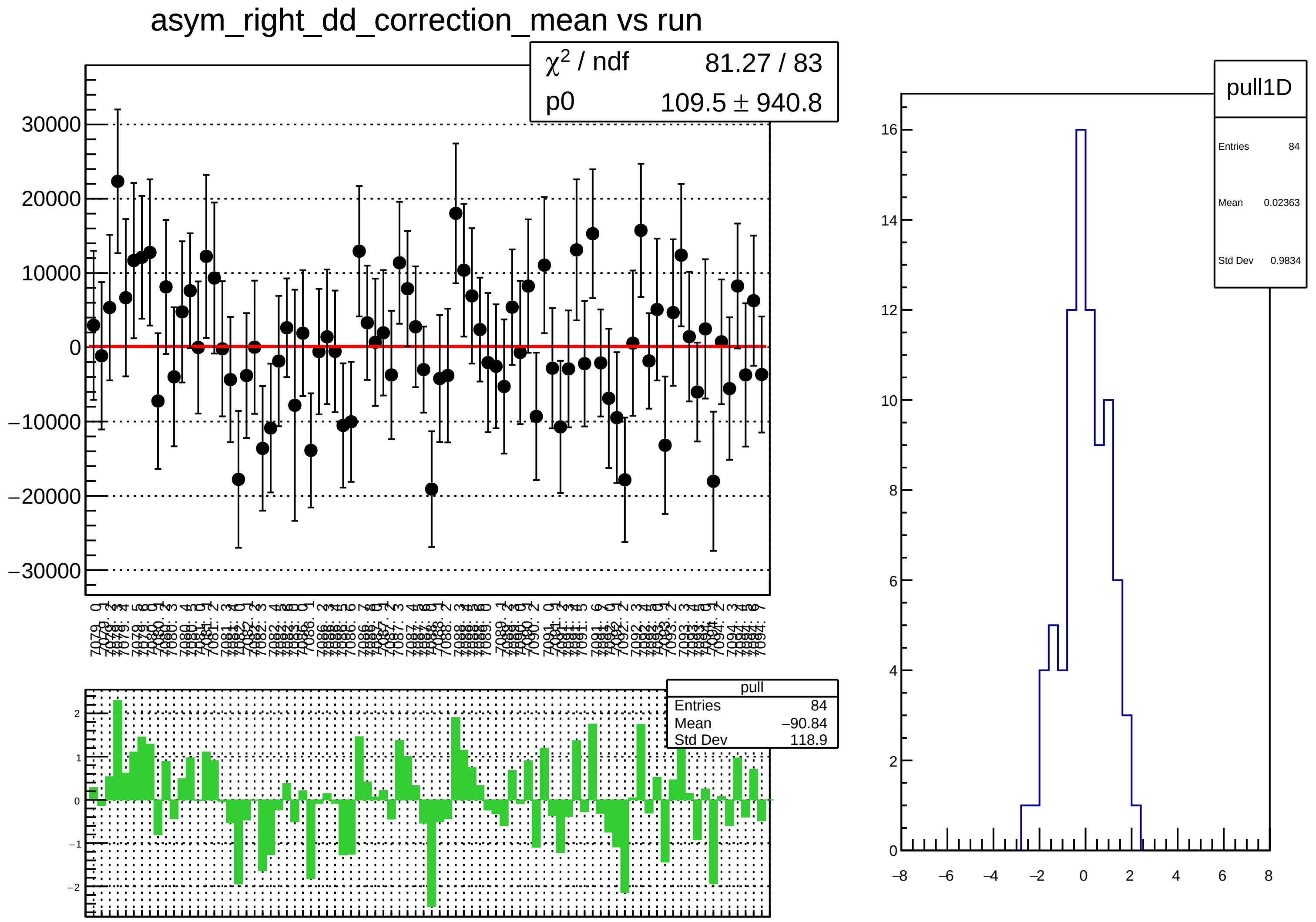


asym_right_avg_rms vs run
χ^2 / ndf 4301 / 83
p0 1011 ± 0.7961
1200
1150
1100
1050
1000
950
900

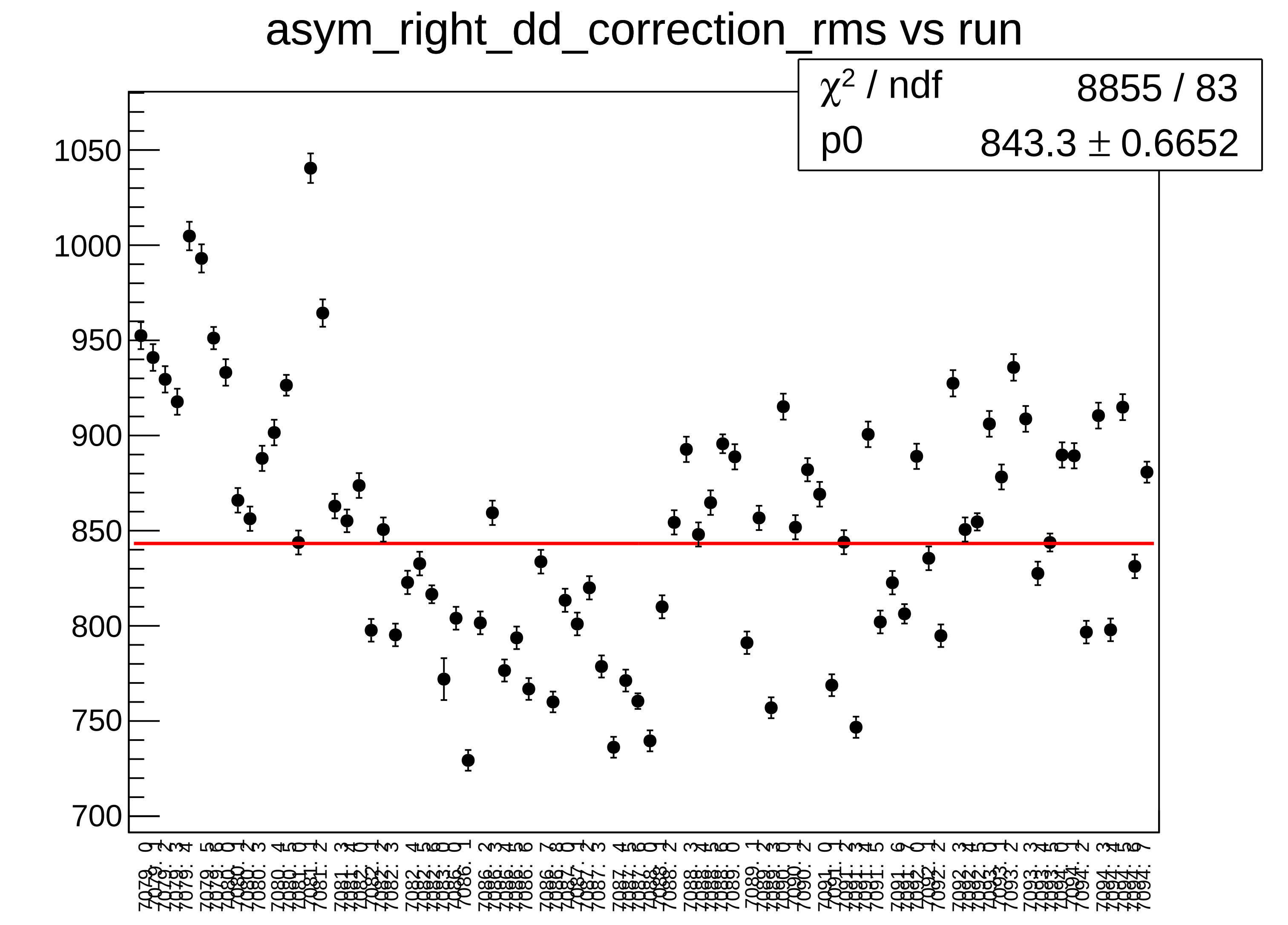


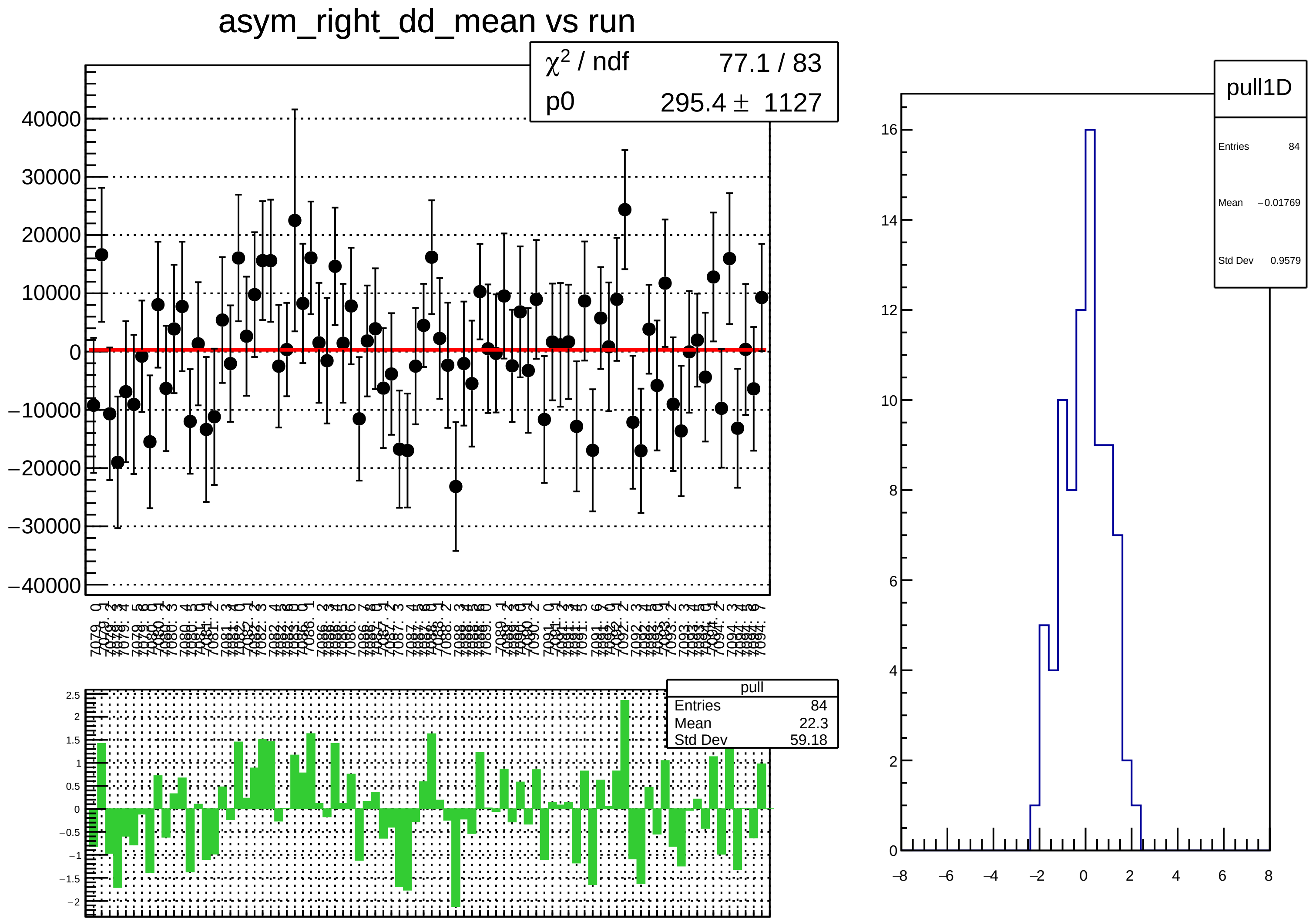
reg_asym_right_dd_mean vs run
χ^2 / ndf 85.61 / 83
p0 571.6 ± 614.7
pull
Entries 84
Mean 435.8
Std Dev 393.1
pull1D
Entries 84
Mean −0.01141
Std Dev 1.01

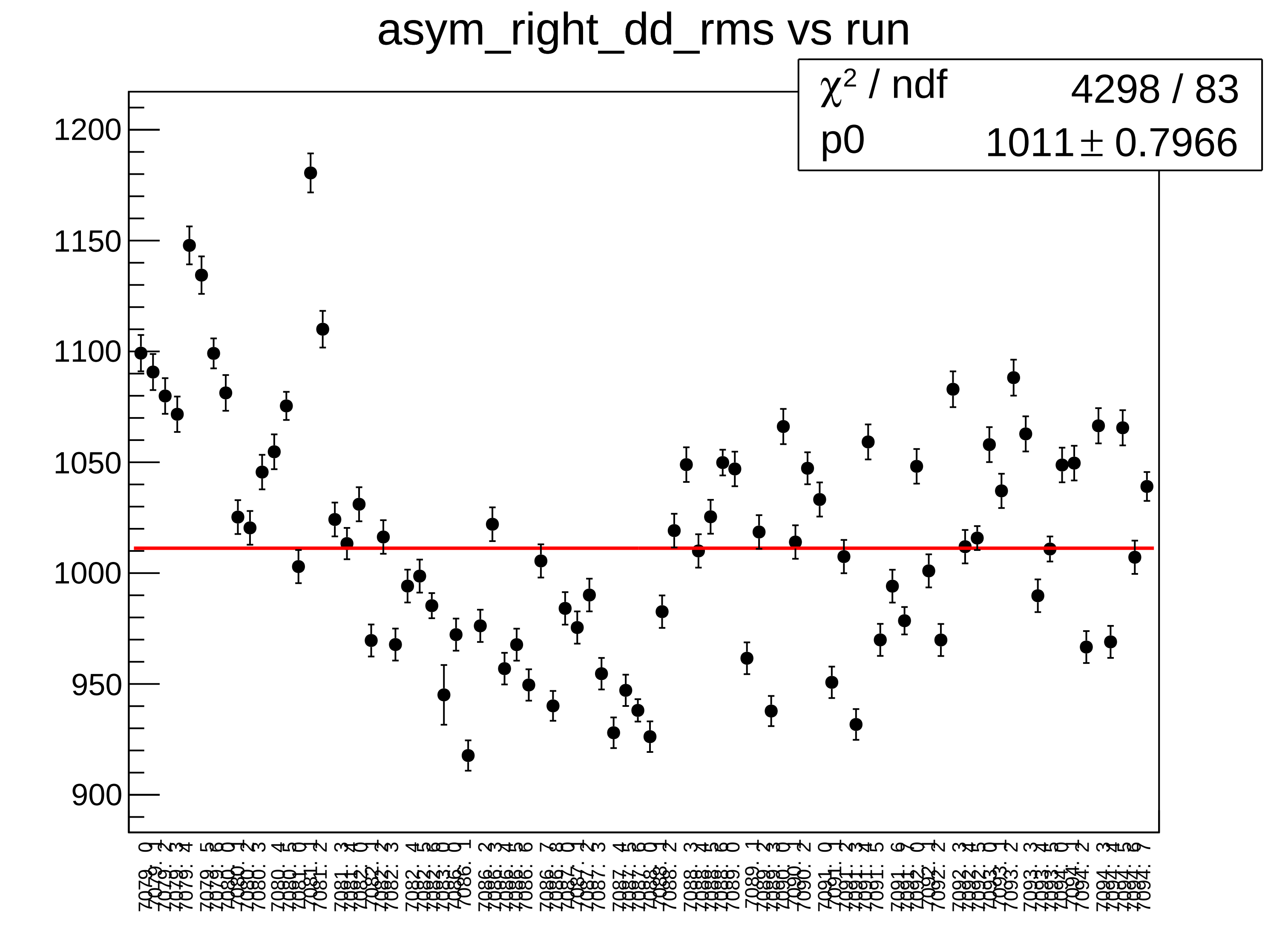

reg_asym_right_dd_rms vs run
χ^2 / ndf 130.8 / 83
p0 552.5 ± 0.4347
575
570
565
560
555
550
545
540
535

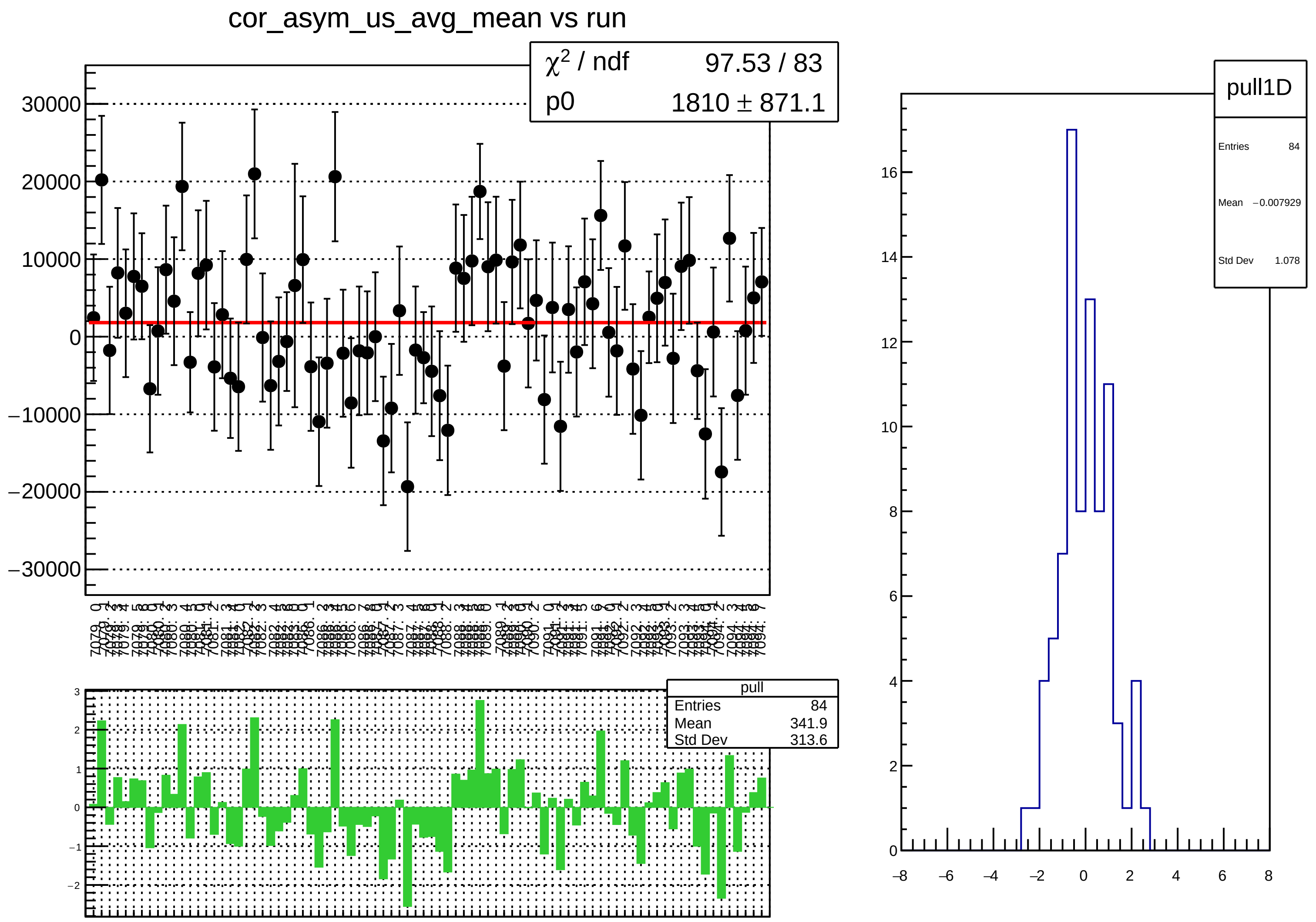


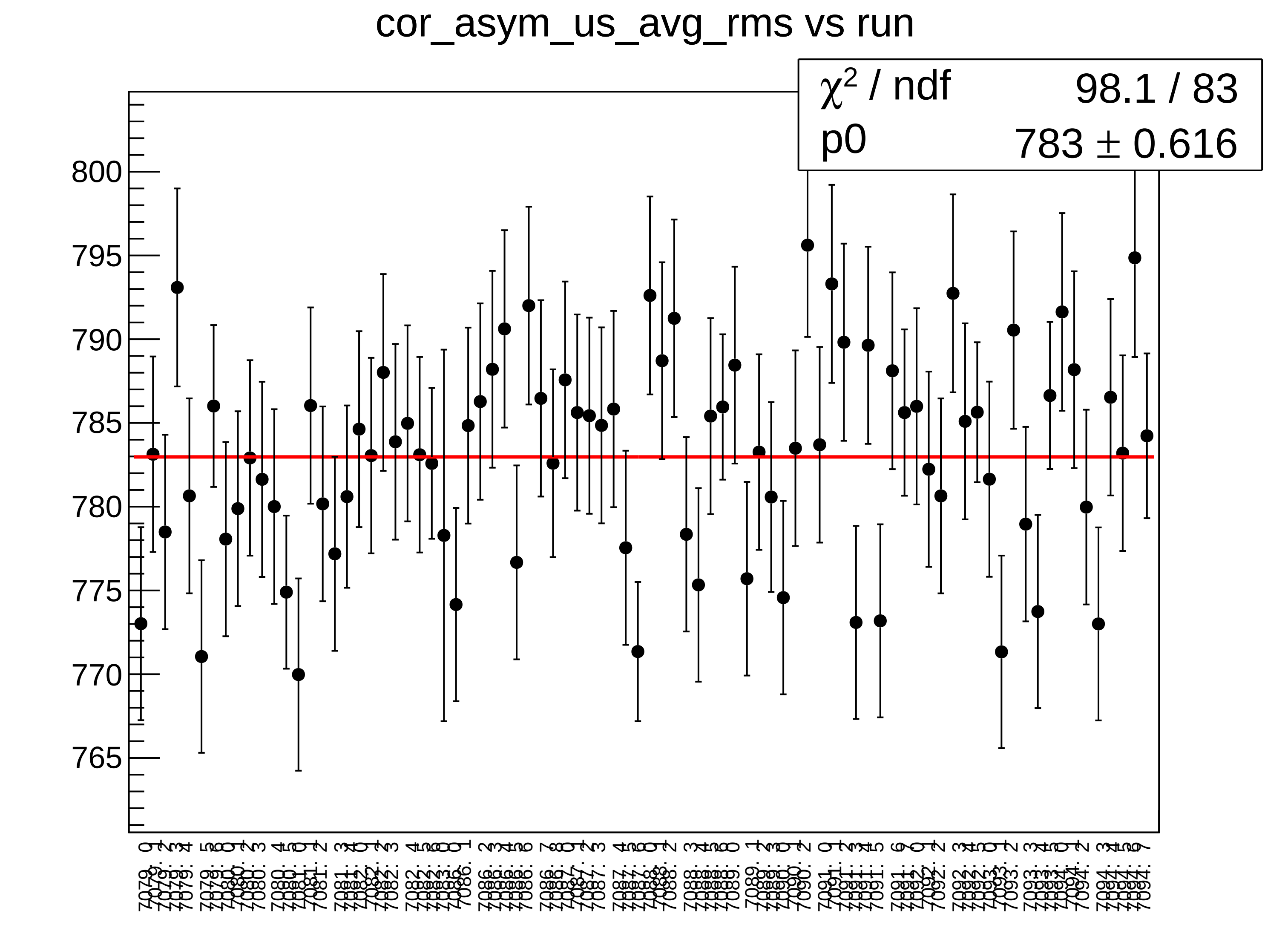
asym_right_dd_correction_mean vs run
χ2 / ndf 81.27 / 83
p0 109.5 ± 940.8
pull
Entries 84
Mean −90.84
Std Dev 118.9
pull1D
Entries 84
Mean 0.02363
Std Dev 0.9834


asym_right_dd_correction_rms vs run
χ2 / ndf 8855 / 83
p0 843.3 ± 0.6652

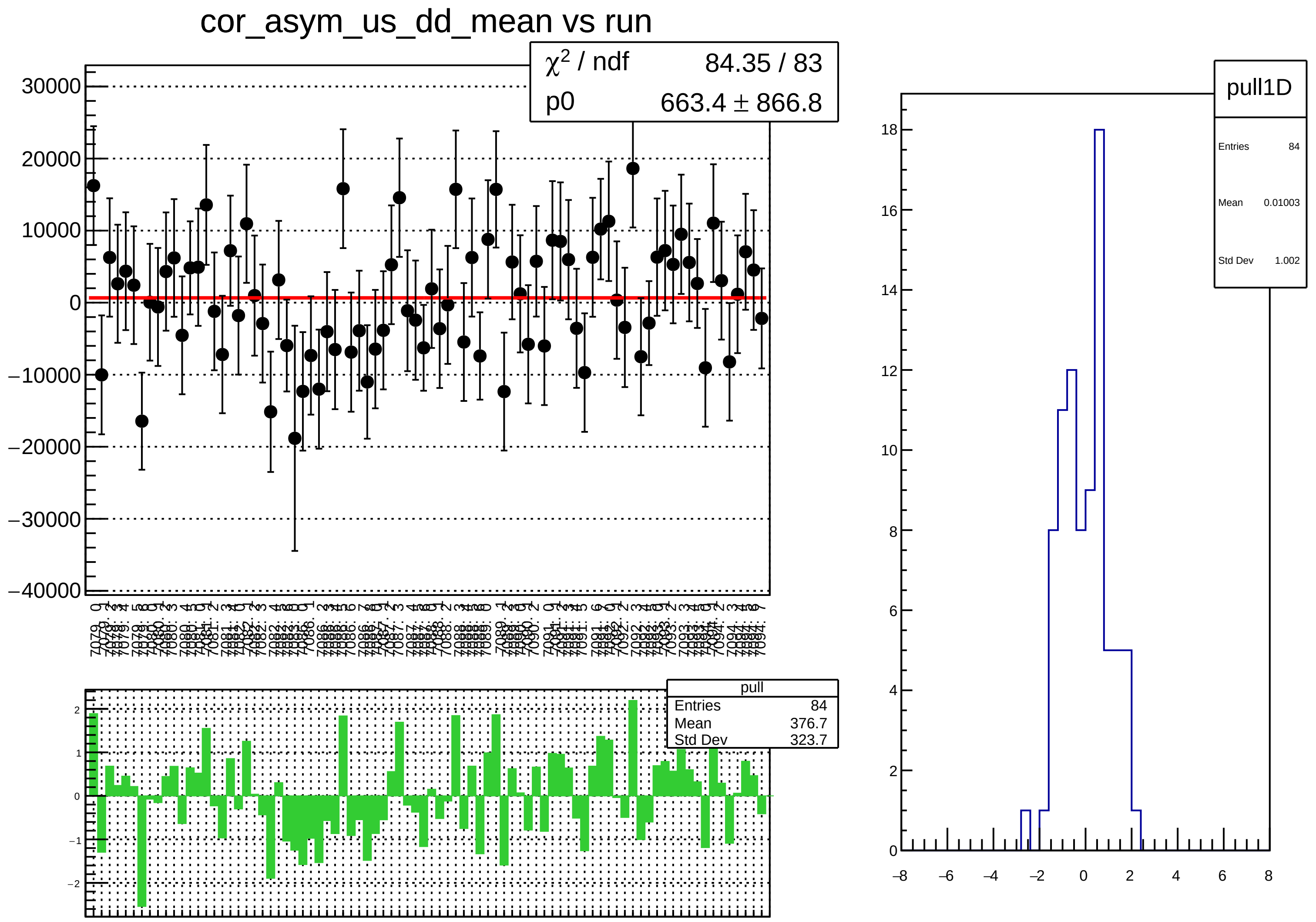

asym_right_dd_mean vs run
χ2 / ndf 77.1 / 83
p0 295.4 ± 1127
pull
Entries 84
Mean 22.3
Std Dev 59.18
pull1D
Entries 84
Mean −0.01769
Std Dev 0.9579

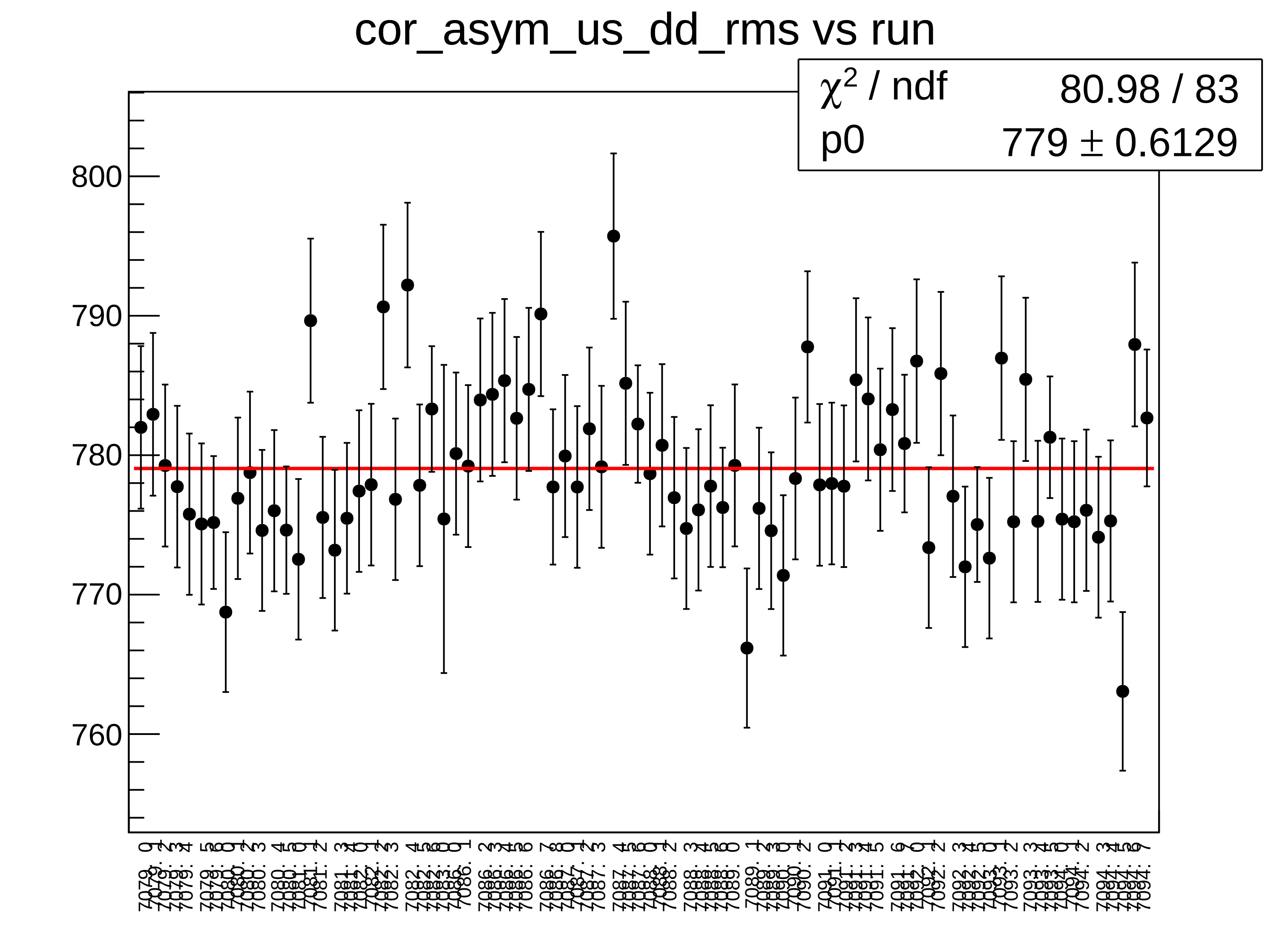

asym_right_dd_rms vs run
χ2 / ndf 4298 / 83
p0 1011 ± 0.7966
1200
1150
1100
1050
1000
950
900


cor_asym_us_avg_mean vs run
χ^2 / ndf 97.53 / 83
p0 1810 ± 871.1
pull
Entries 84
Mean 341.9
Std Dev 313.6
pull1D
Entries 84
Mean −0.007929
Std Dev 1.078

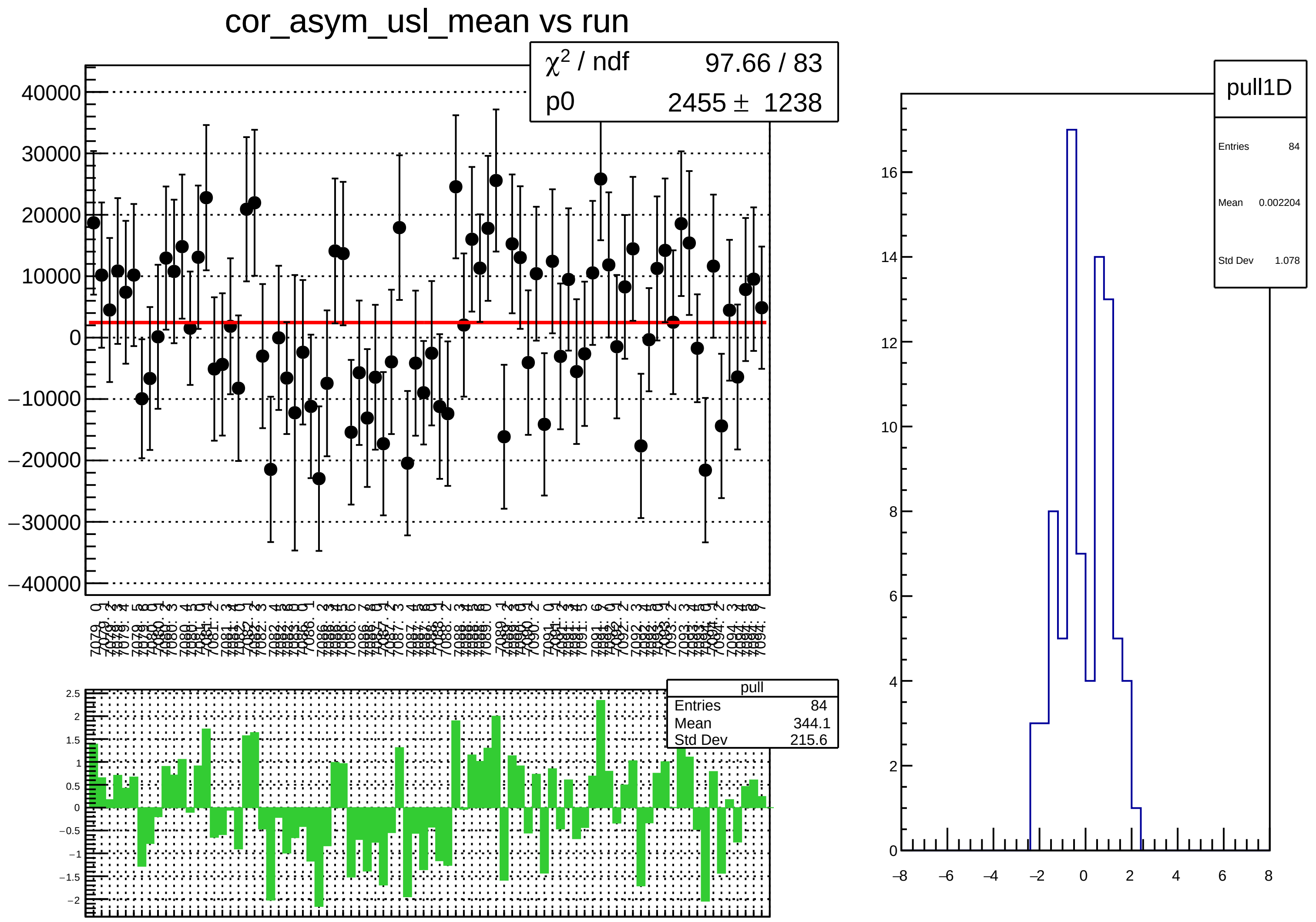


cor_asym_us_avg_rms vs run
χ^2 / ndf 98.1 / 83
p0 783 ± 0.616
800
795
790
785
780
775
770
765

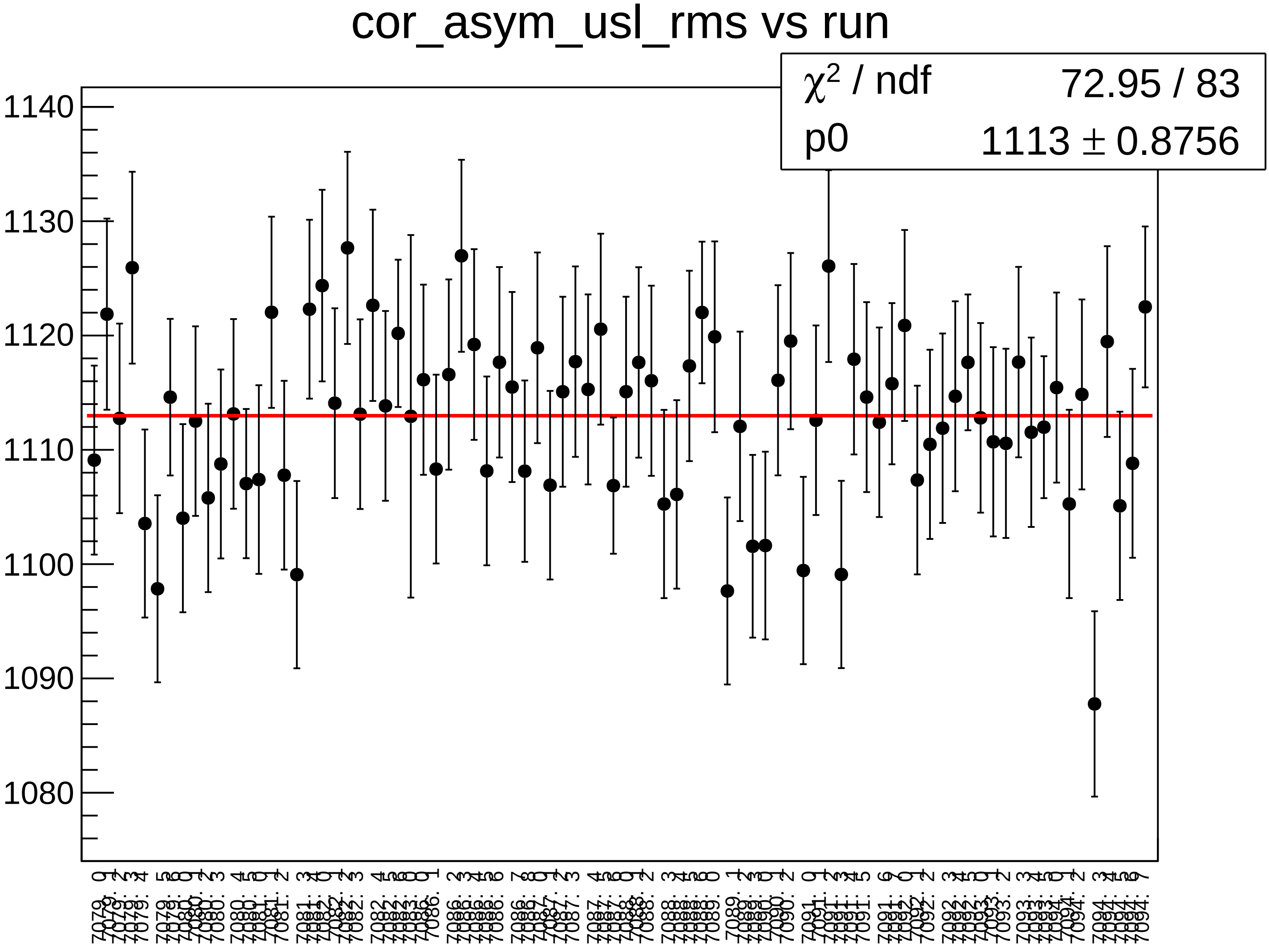

cor_asym_us_dd_mean vs run
χ^2 / ndf 84.35 / 83
p0 663.4 ± 866.8
pull
Entries 84
Mean 376.7
Std Dev 323.7
pull1D
Entries 84
Mean 0.01003
Std Dev 1.002



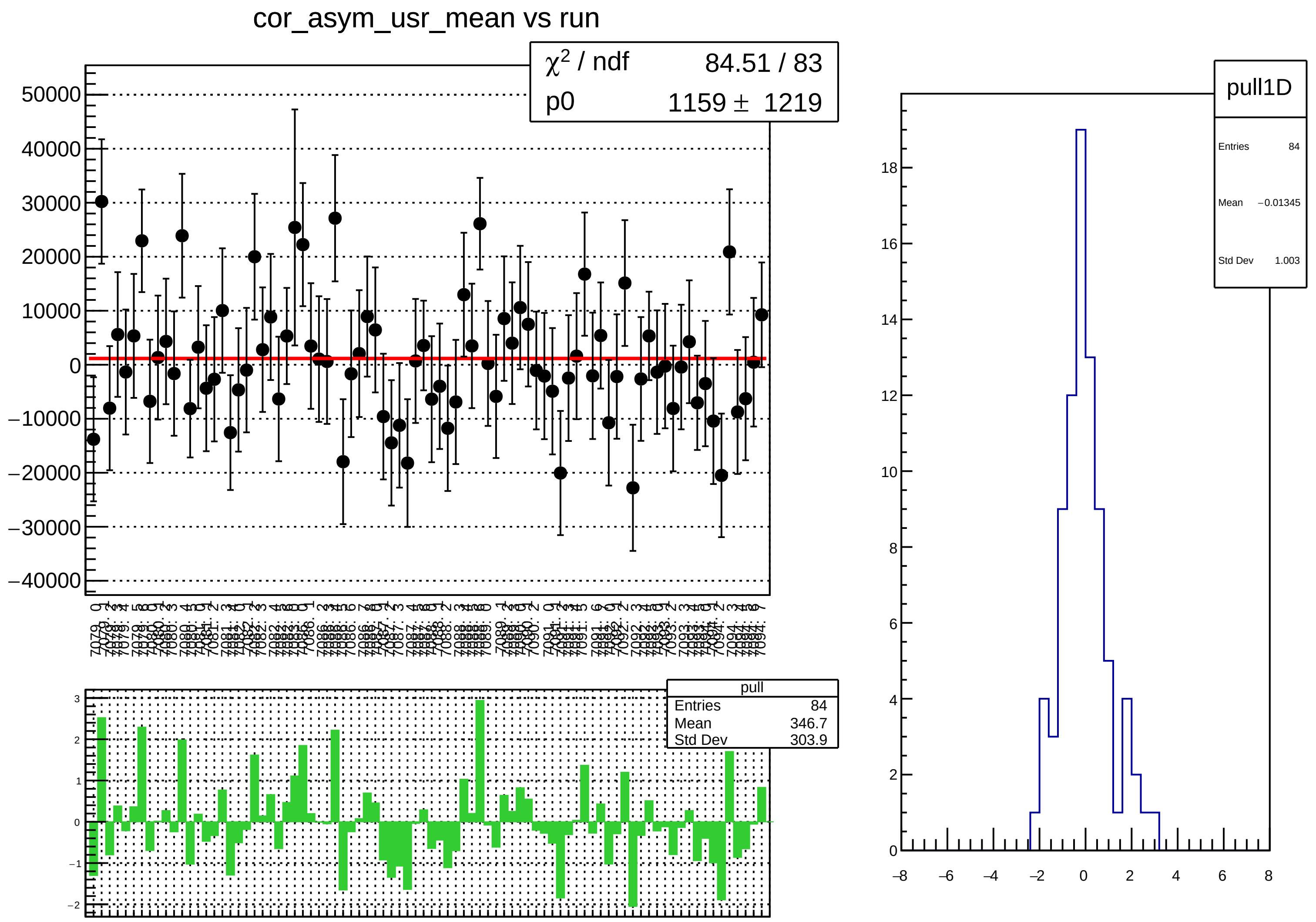
cor_asym_us_dd_rms vs run
χ^2 / ndf 80.98 / 83
p0 779 ± 0.6129
800
790
780
770
760

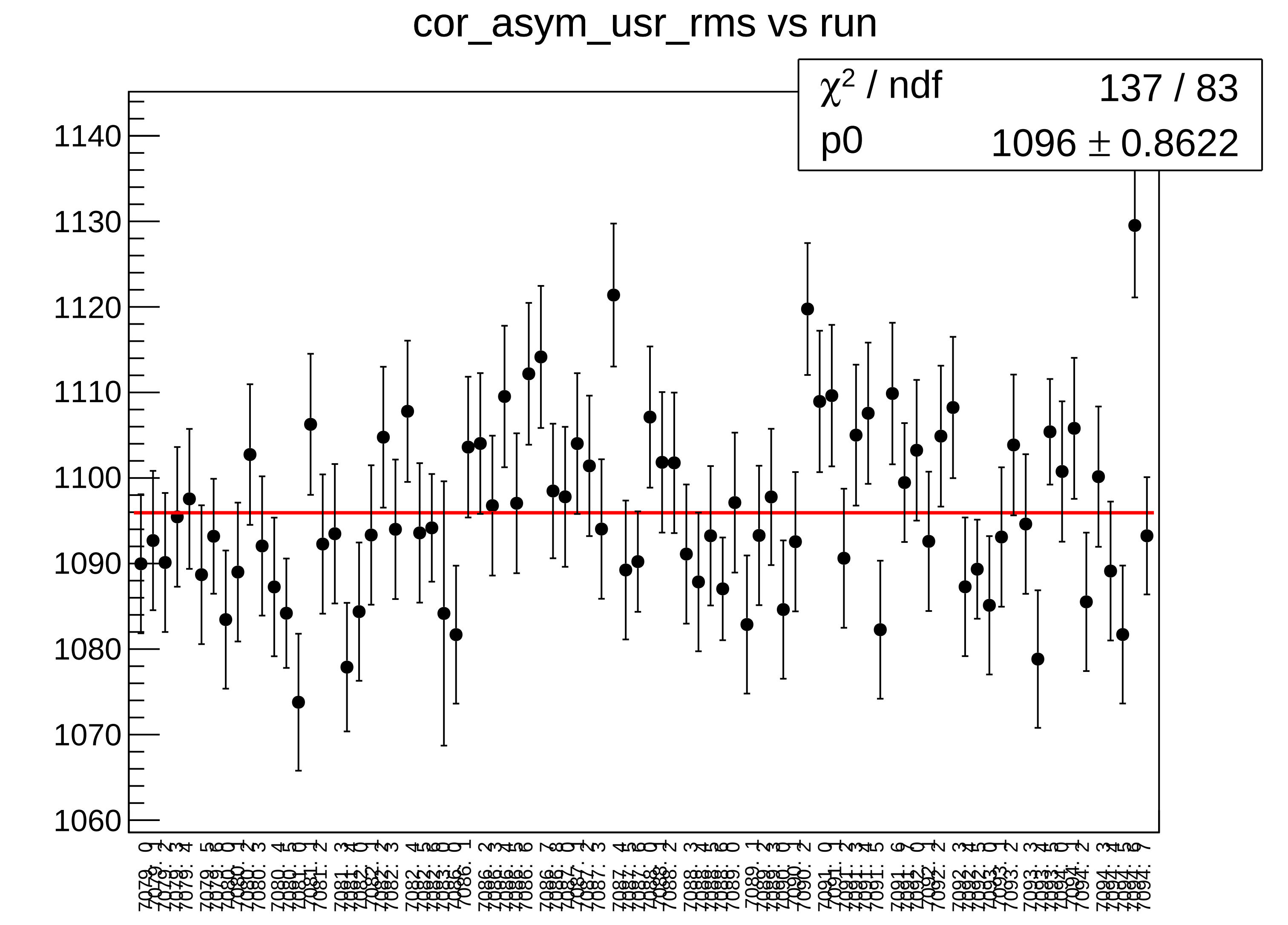


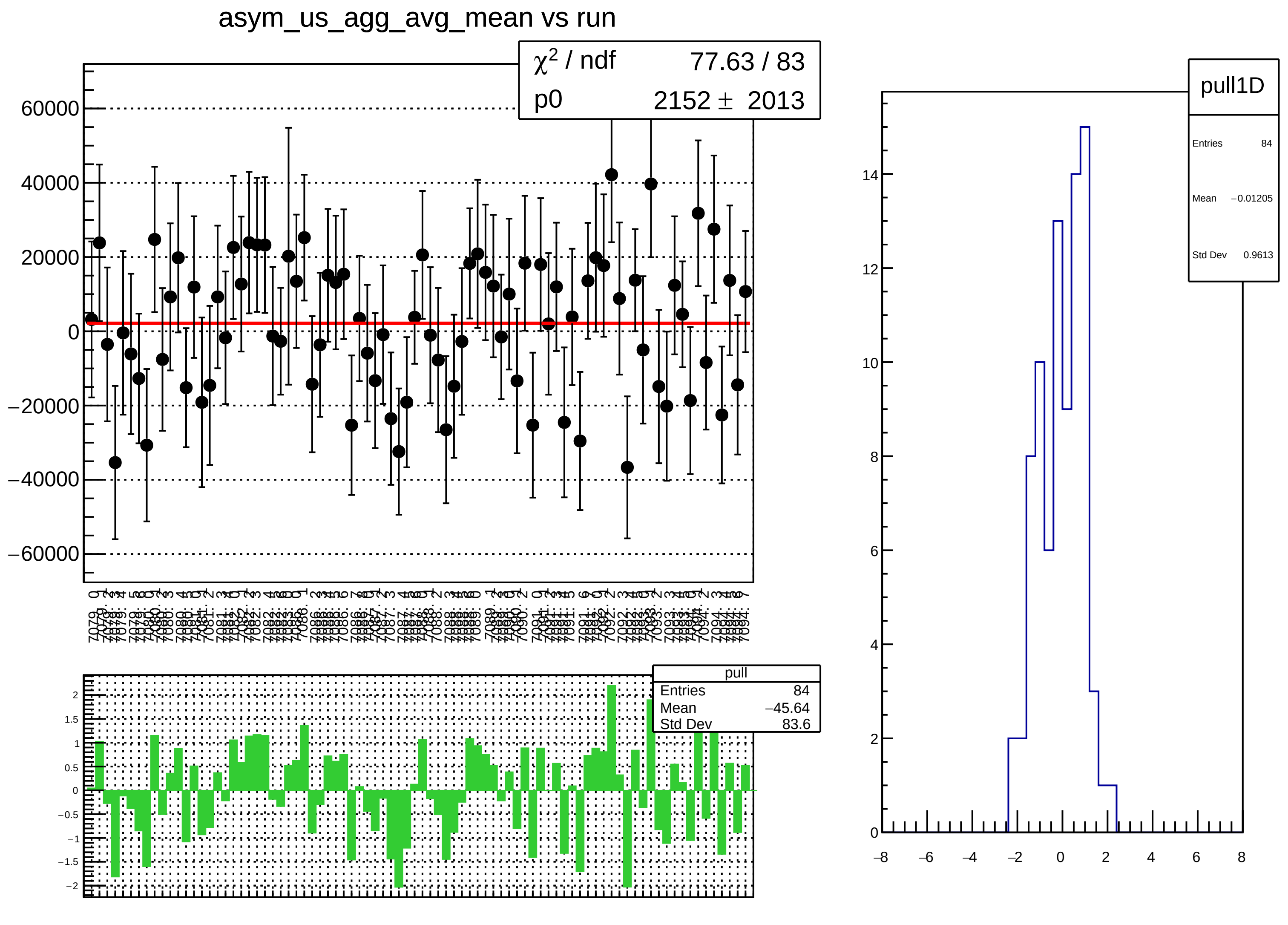
cor_asym_usl_mean vs run
χ2 / ndf 97.66 / 83
p0 2455 ± 1238
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean 344.1
Std Dev 215.6
pull1D
Entries 84
Mean 0.002204
Std Dev 1.078



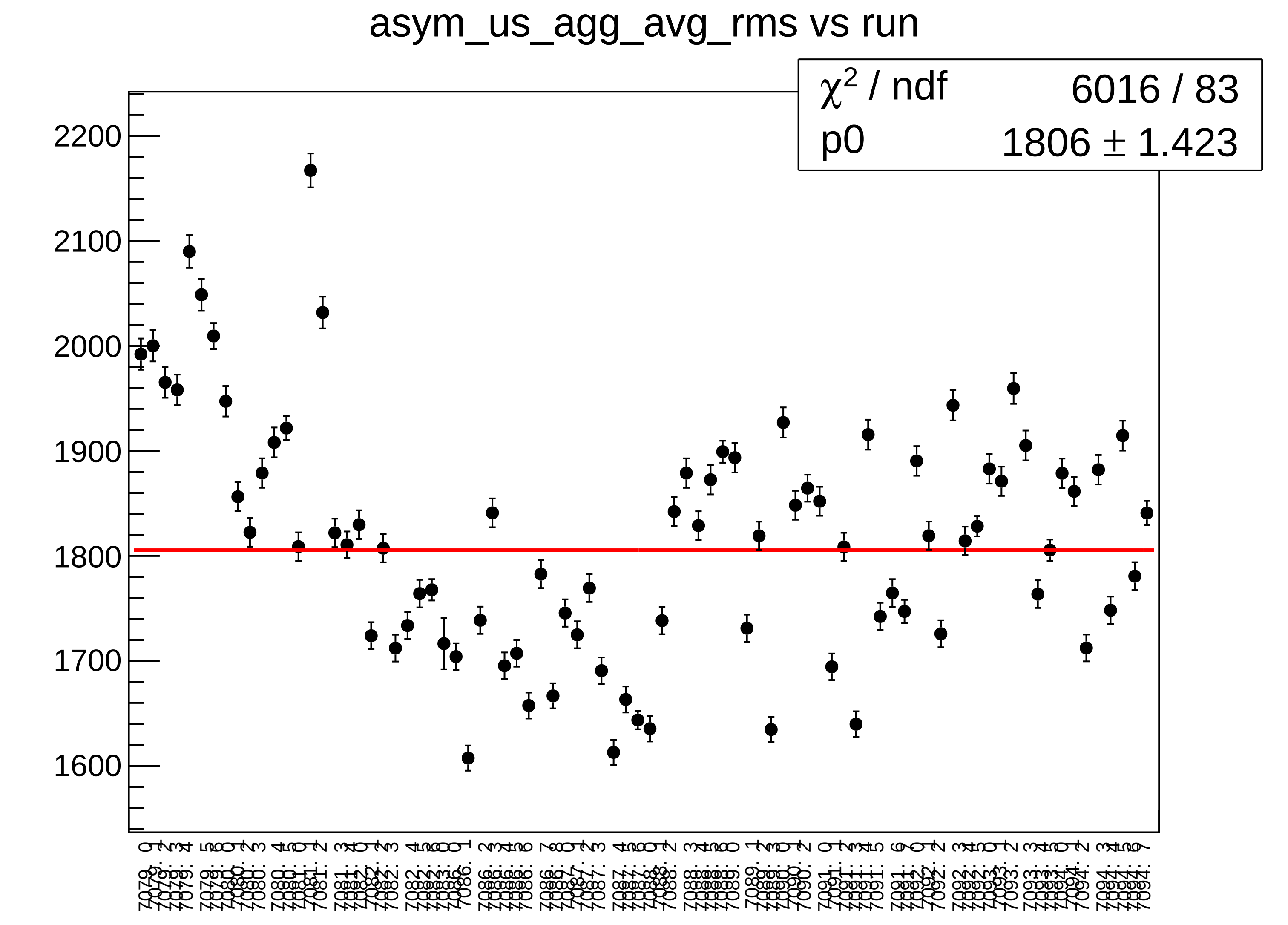
cor_asym_usl_rms vs run
χ^2 / ndf 72.95 / 83
p0 1113 ± 0.8756
1140
1130
1120
1110
1100
1090
1080

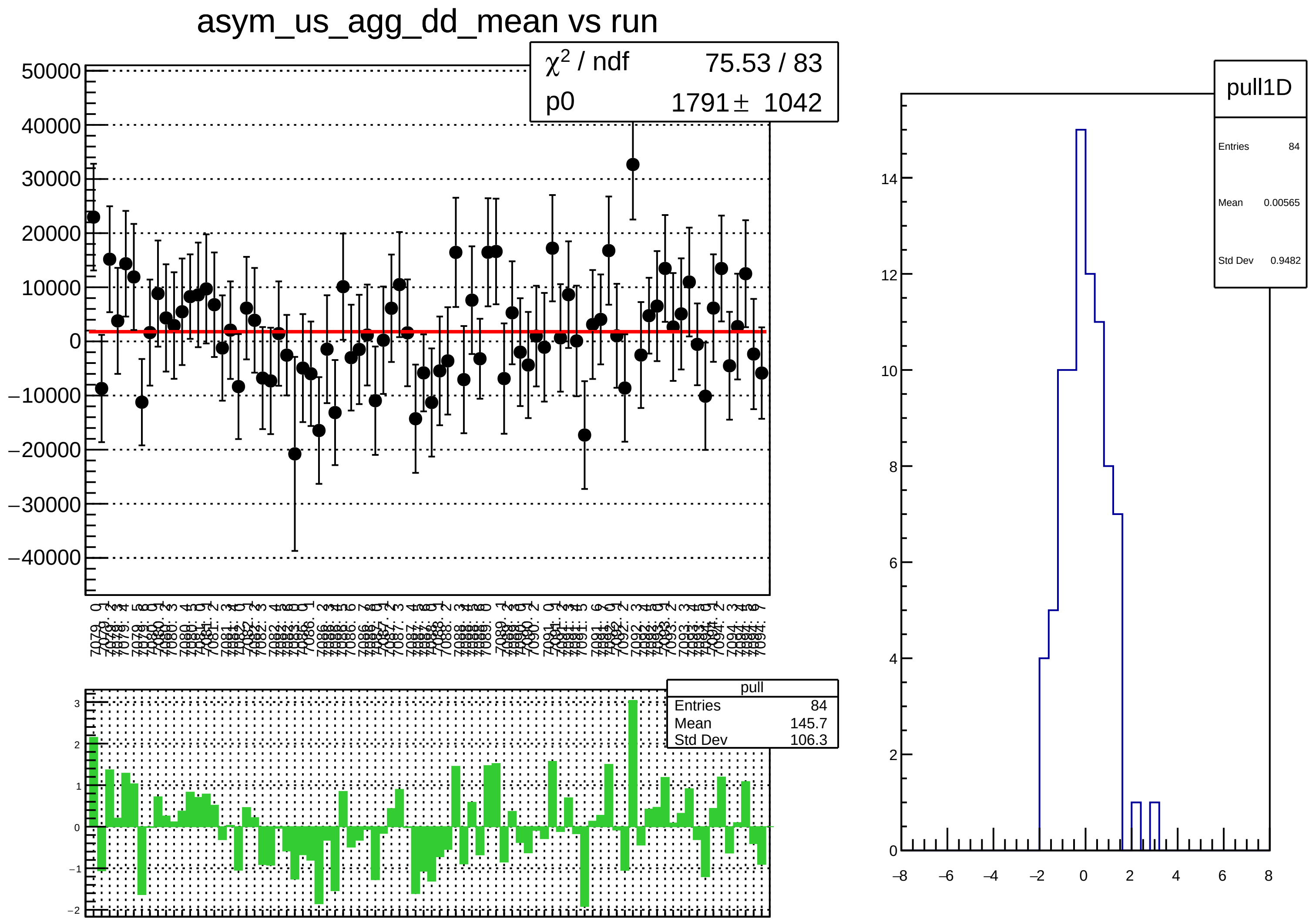

cor_asym_usr_mean vs run
χ2 / ndf 84.51 / 83
p0 1159 ± 1219
pull
Entries 84
Mean 346.7
Std Dev 303.9
pull1D
Entries 84
Mean −0.01345
Std Dev 1.003

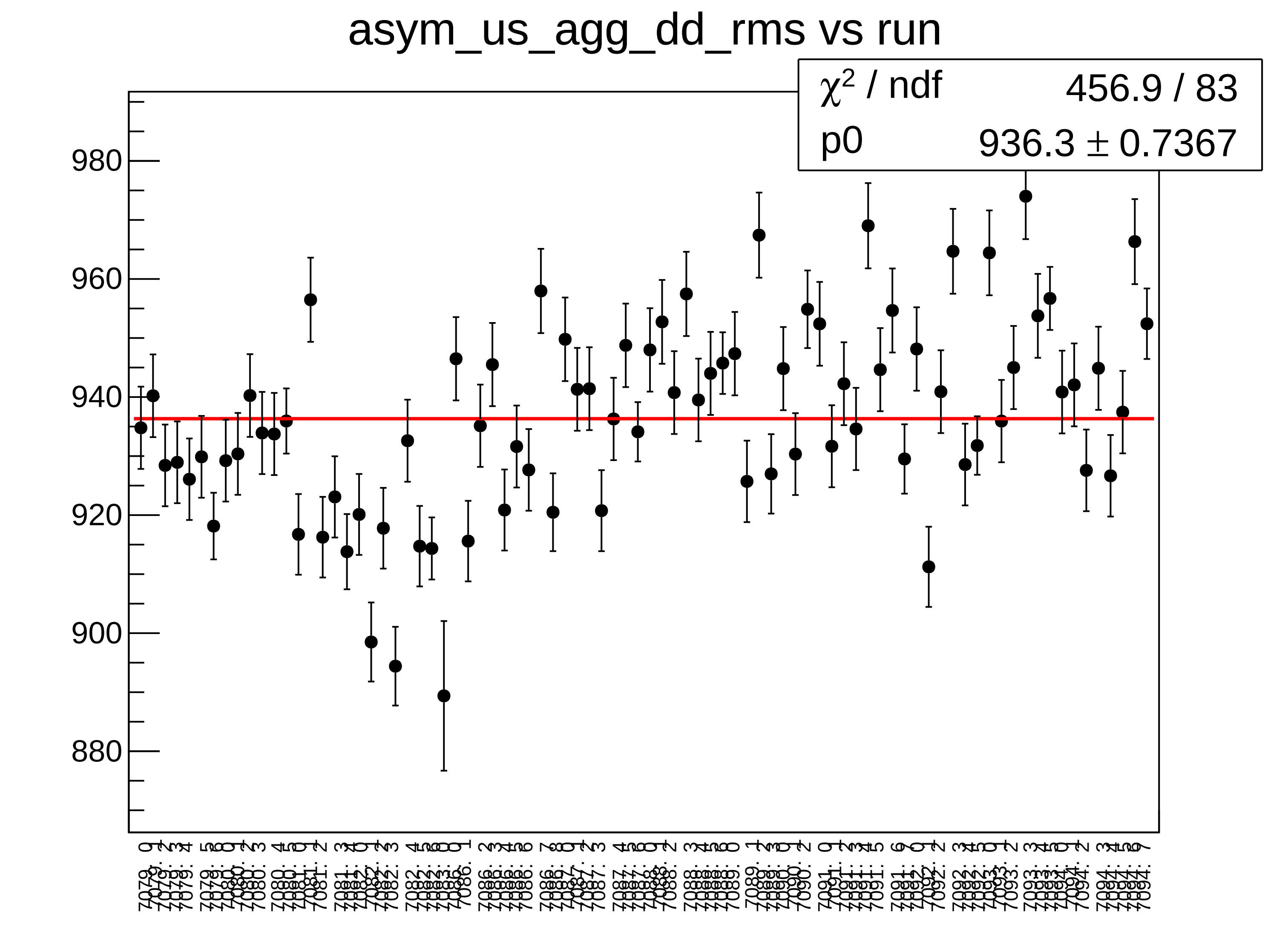

cor_asym_usr_rms vs run
χ^2 / ndf 137 / 83
p0 1096 ± 0.8622
1140
1130
1120
1110
1100
1090
1080
1070
1060



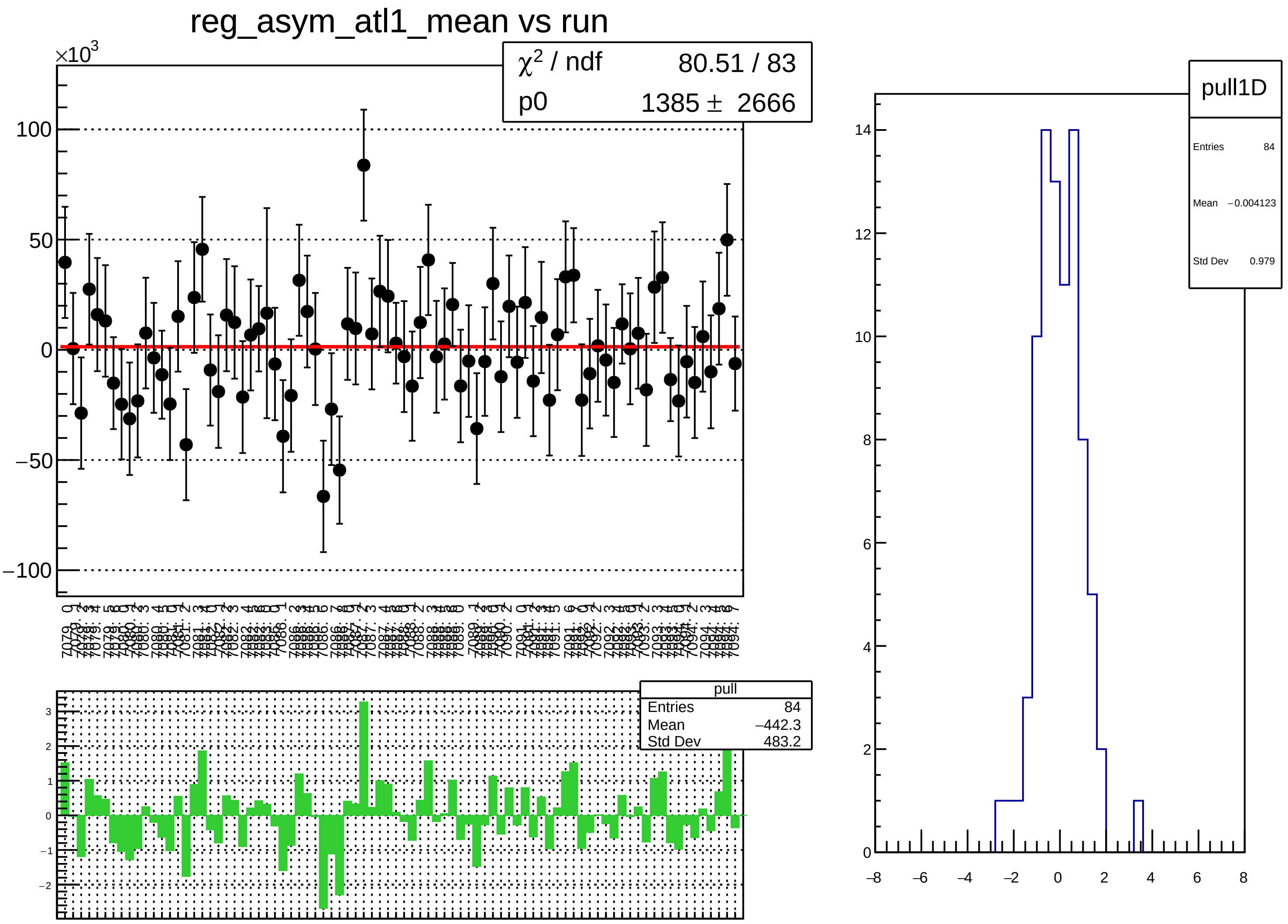
asym_us_agg_avg_mean vs run
χ^2 / ndf 77.63 / 83
p0 2152 ± 2013
pull
Entries 84
Mean −45.64
Std Dev 83.6
pull1D
Entries 84
Mean −0.01205
Std Dev 0.9613


asym_us_agg_avg_rms vs run
χ2 / ndf 6016 / 83
p0 1806 ± 1.423
2200
2100
2000
1900
1800
1700
1600

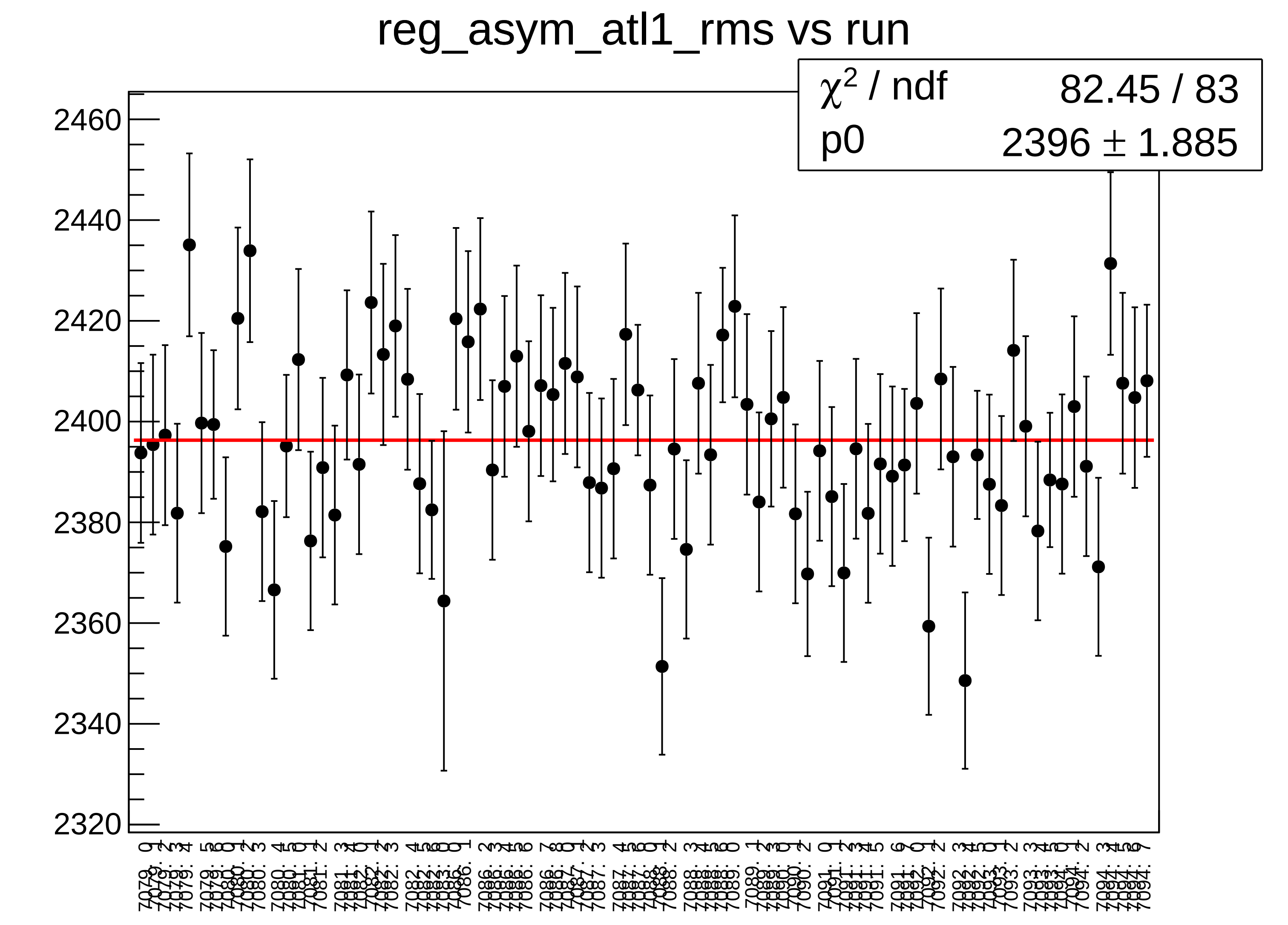

asym_us_agg_dd_mean vs run
χ^2 / ndf 75.53 / 83
p0 1791 ± 1042
pull
Entries 84
Mean 145.7
Std Dev 106.3
pull1D
Entries 84
Mean 0.00565
Std Dev 0.9482



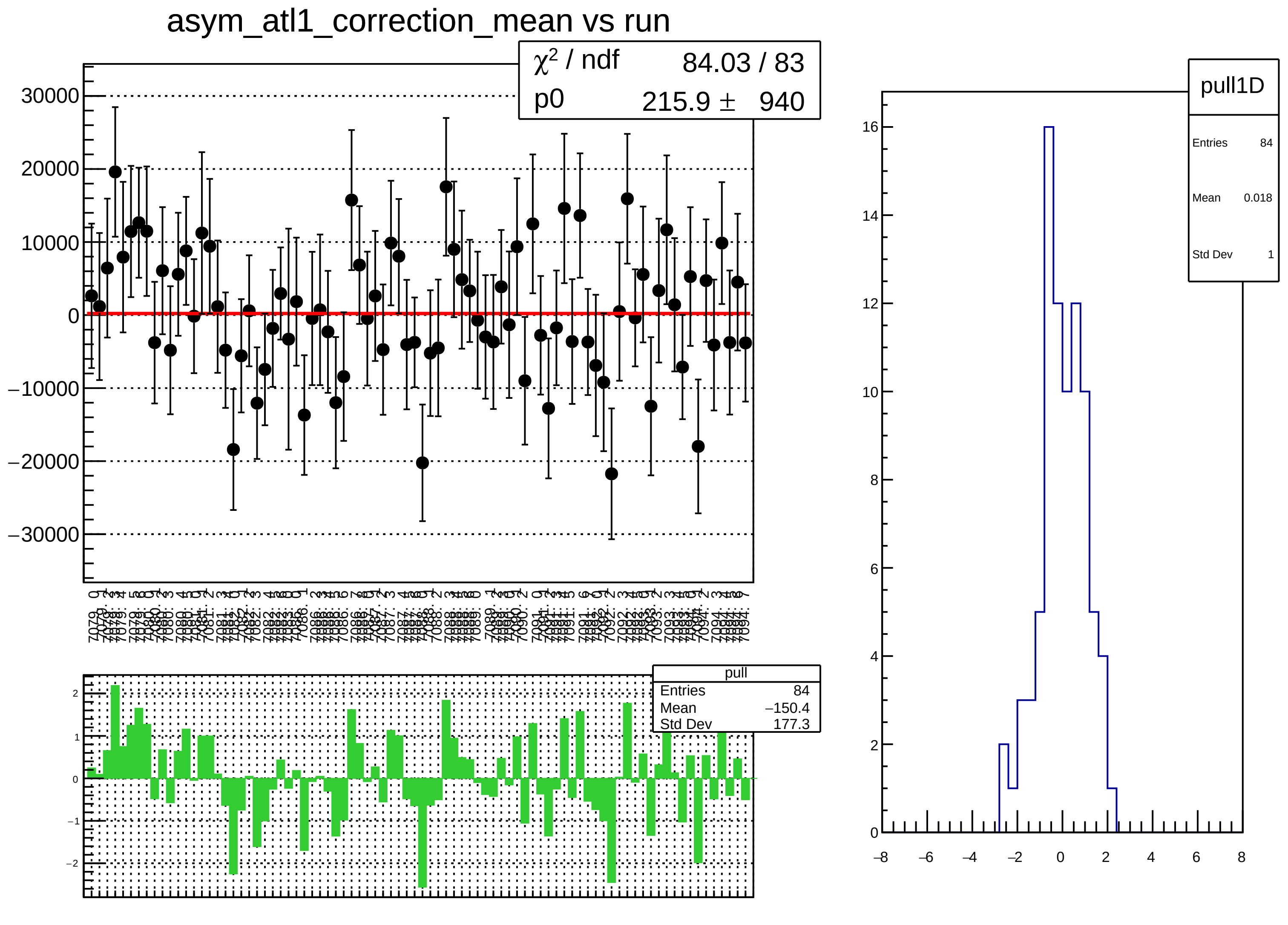
asym_us_agg_dd_rms vs run
χ2 / ndf 456.9 / 83
p0 936.3 ± 0.7367
980
960
940
920
900
880

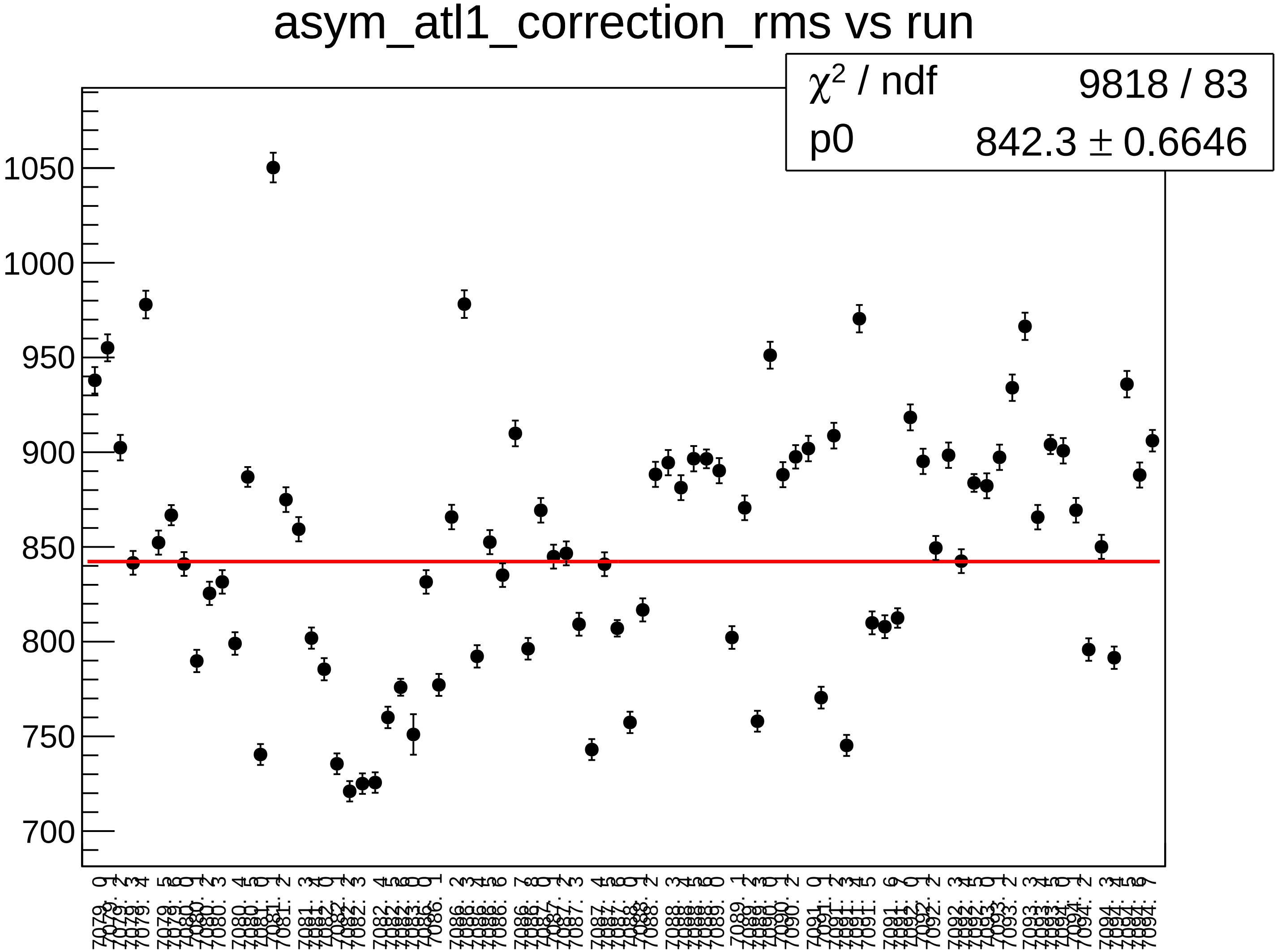


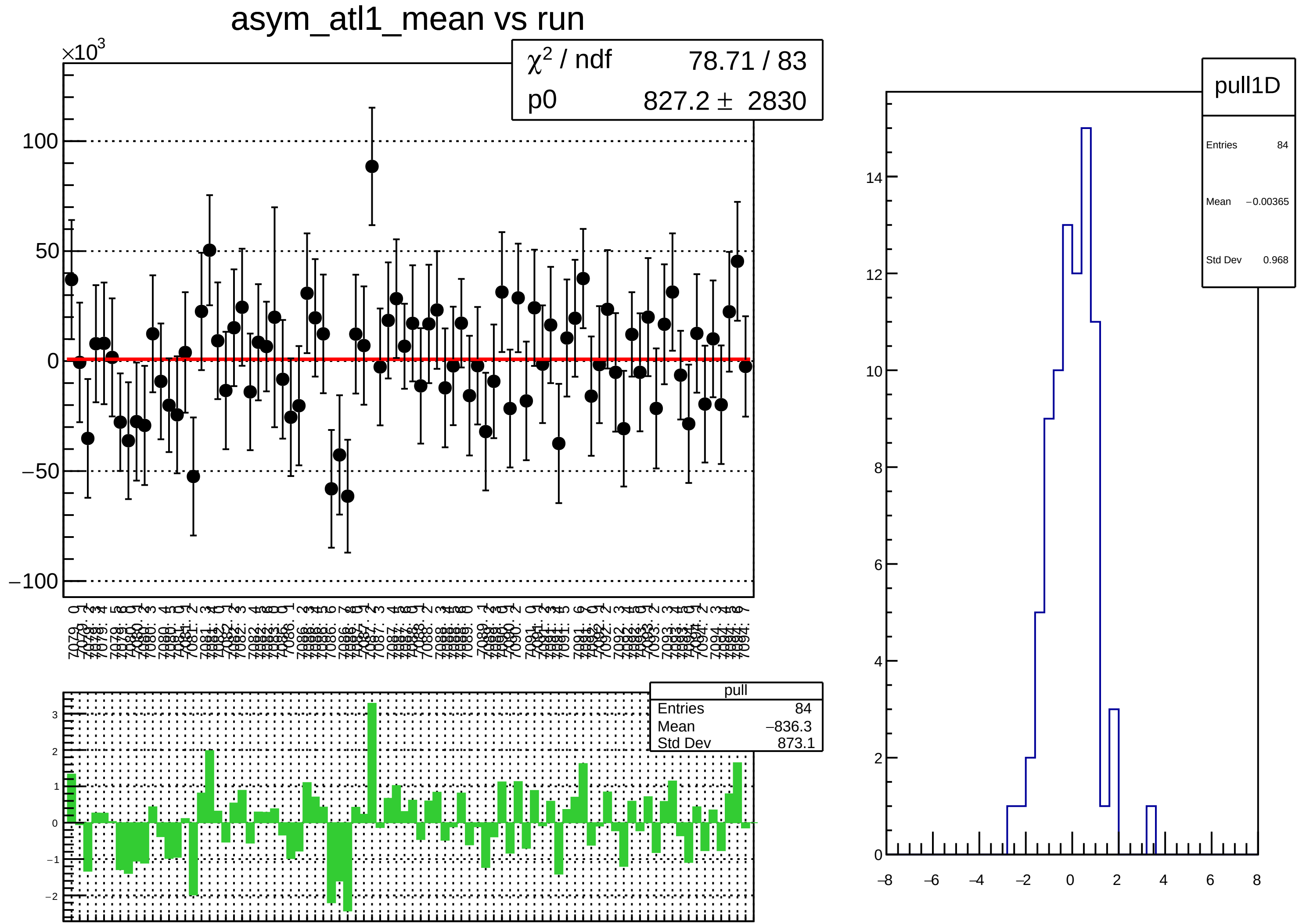
reg_asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 80.51 / 83
p0 1385 ± 2666
100
50
0
−50
−100
pull
Entries 84
Mean −442.3
Std Dev 483.2
pull1D
Entries 84
Mean −0.004123
Std Dev 0.979



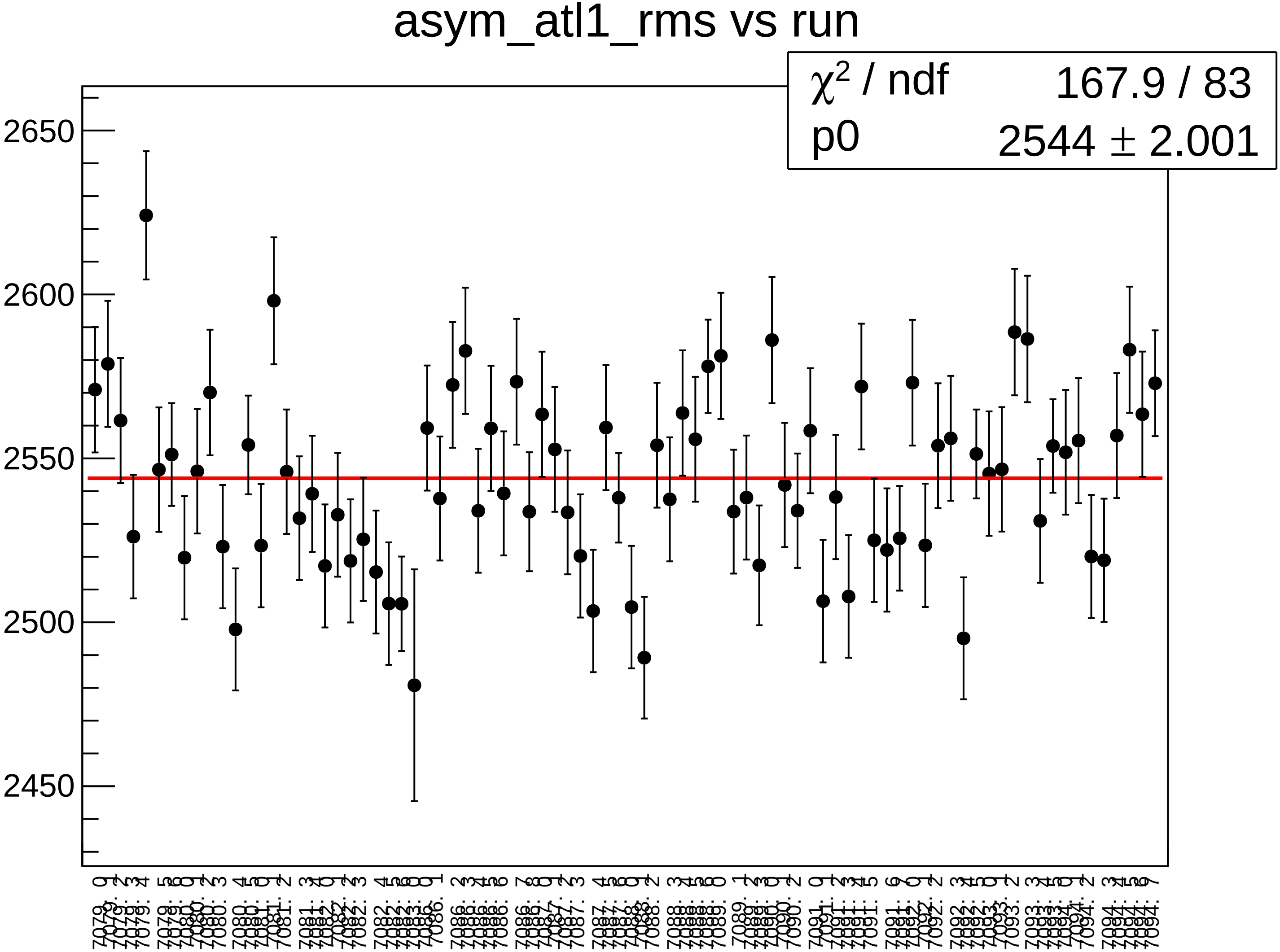
reg_asym_atl1_rms vs run
χ2 / ndf 82.45 / 83
p0 2396 ± 1.885
2460
2440
2420
2400
2380
2360
2340
2320

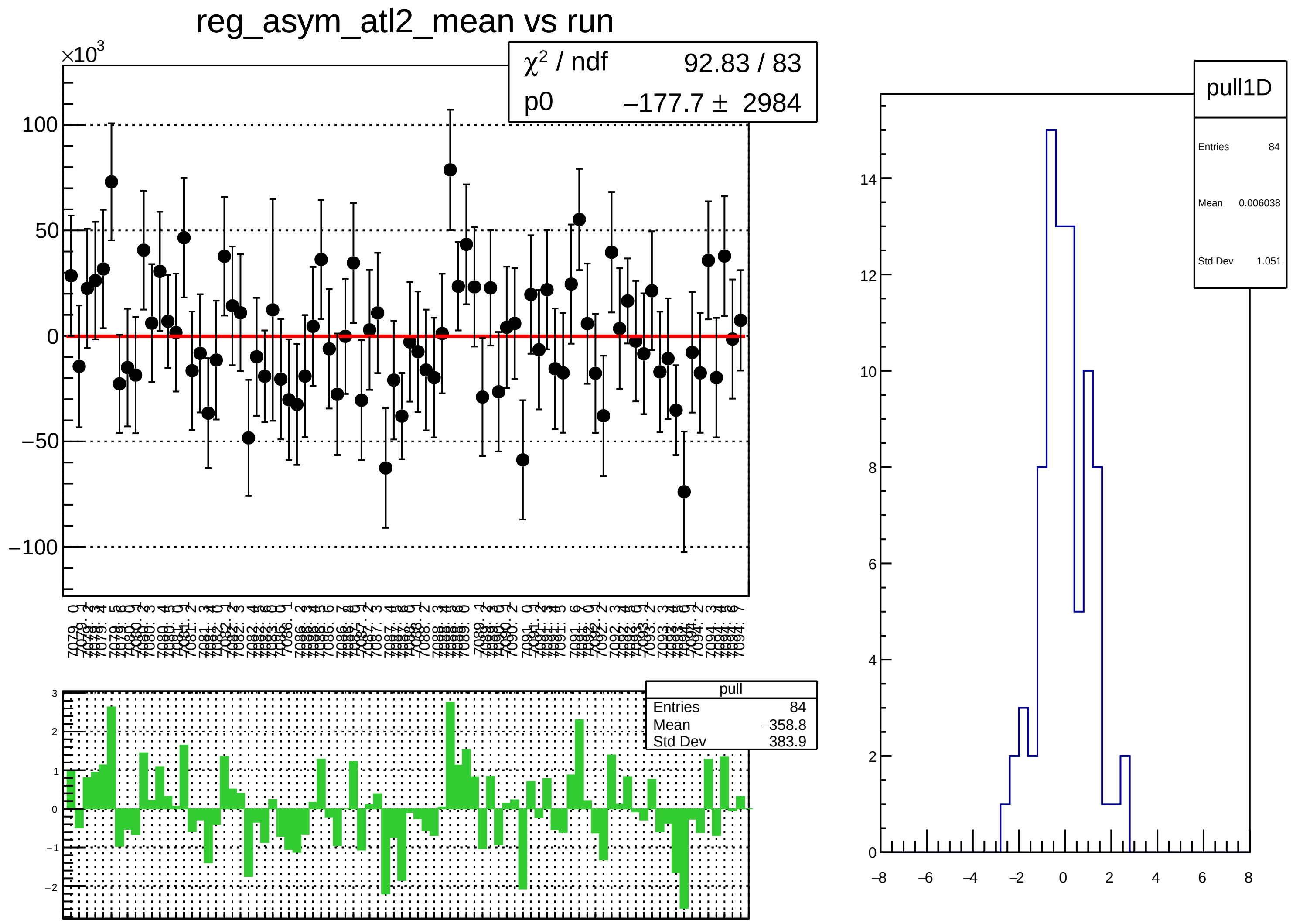

asym_atl1_correction_mean vs run
χ2 / ndf 84.03 / 83
p0 215.9 ± 940
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −150.4
Std Dev 177.3
pull1D
Entries 84
Mean 0.018
Std Dev 1


asym_atl1_correction_rms vs run
χ2 / ndf 9818 / 83
p0 842.3 ± 0.6646
1050
1000
950
900
850
800
750
700

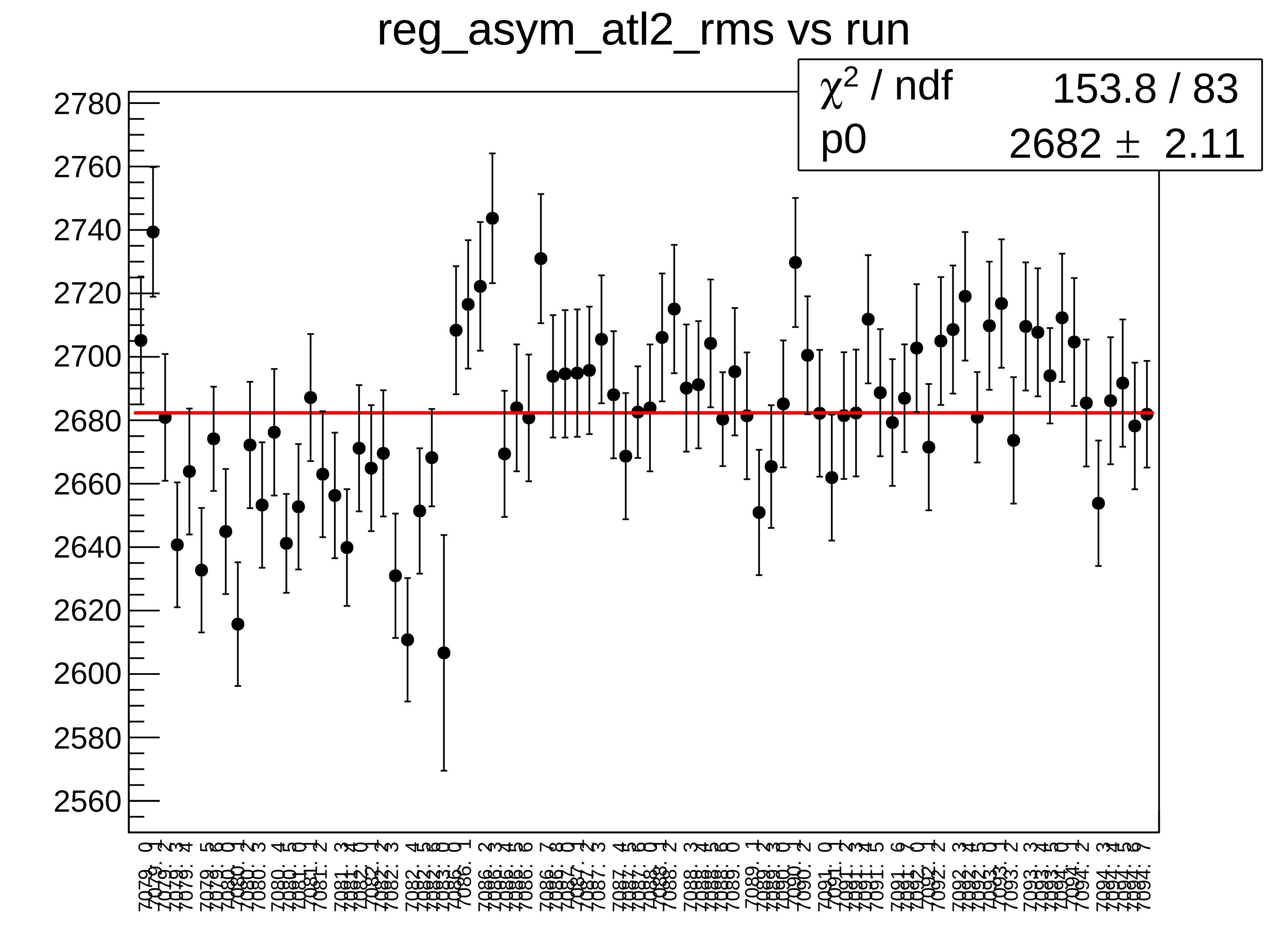


asym_atl1_mean vs run
×10^3
χ^2 / ndf 78.71 / 83
p0 827.2 ± 2830
100
50
0
−50
−100
pull
Entries 84
Mean −836.3
Std Dev 873.1
3
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.00365
Std Dev 0.968
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

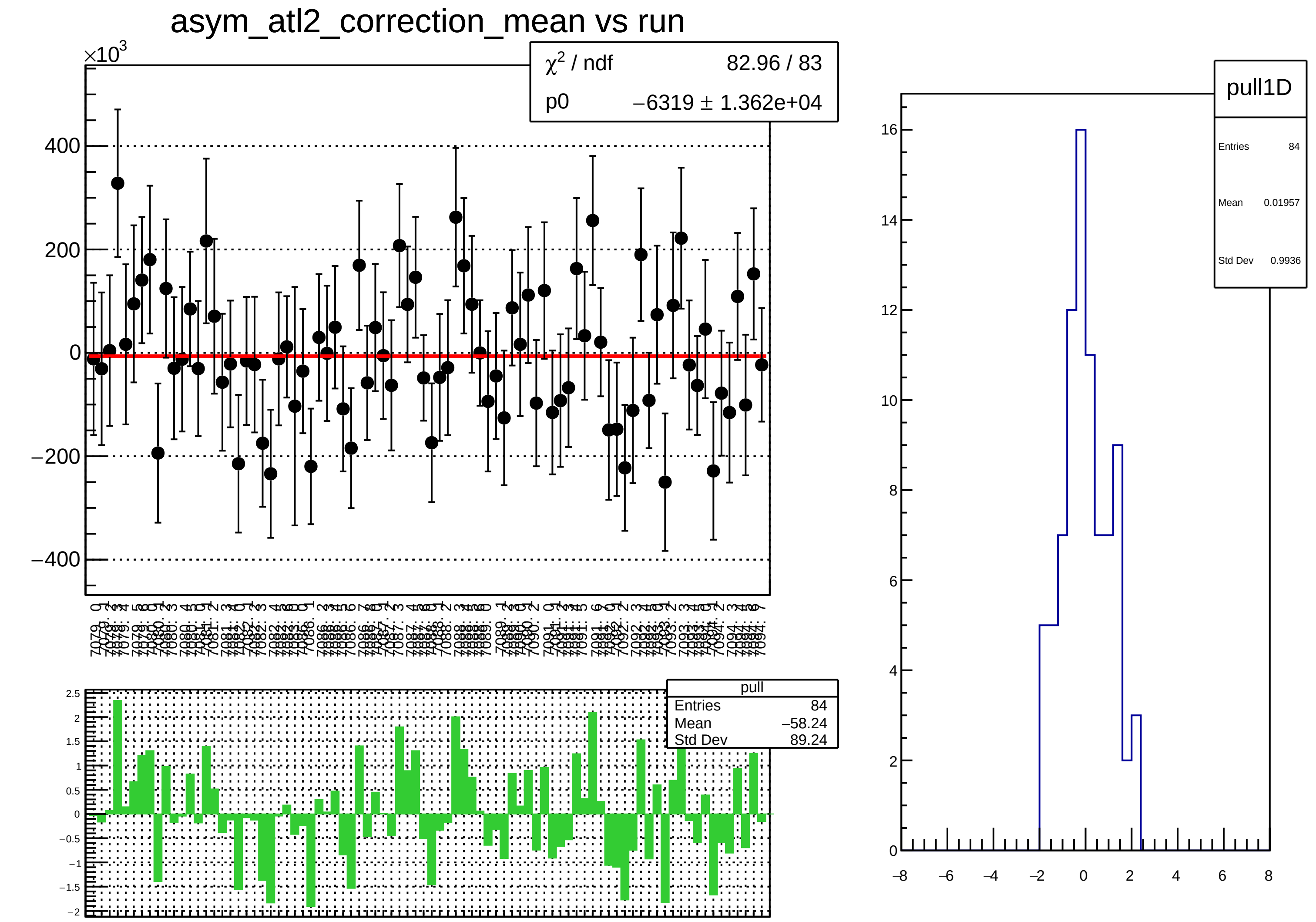

asym_atl1_rms vs run
χ2 / ndf 167.9 / 83
p0 2544 ± 2.001
2650
2600
2550
2500
2450



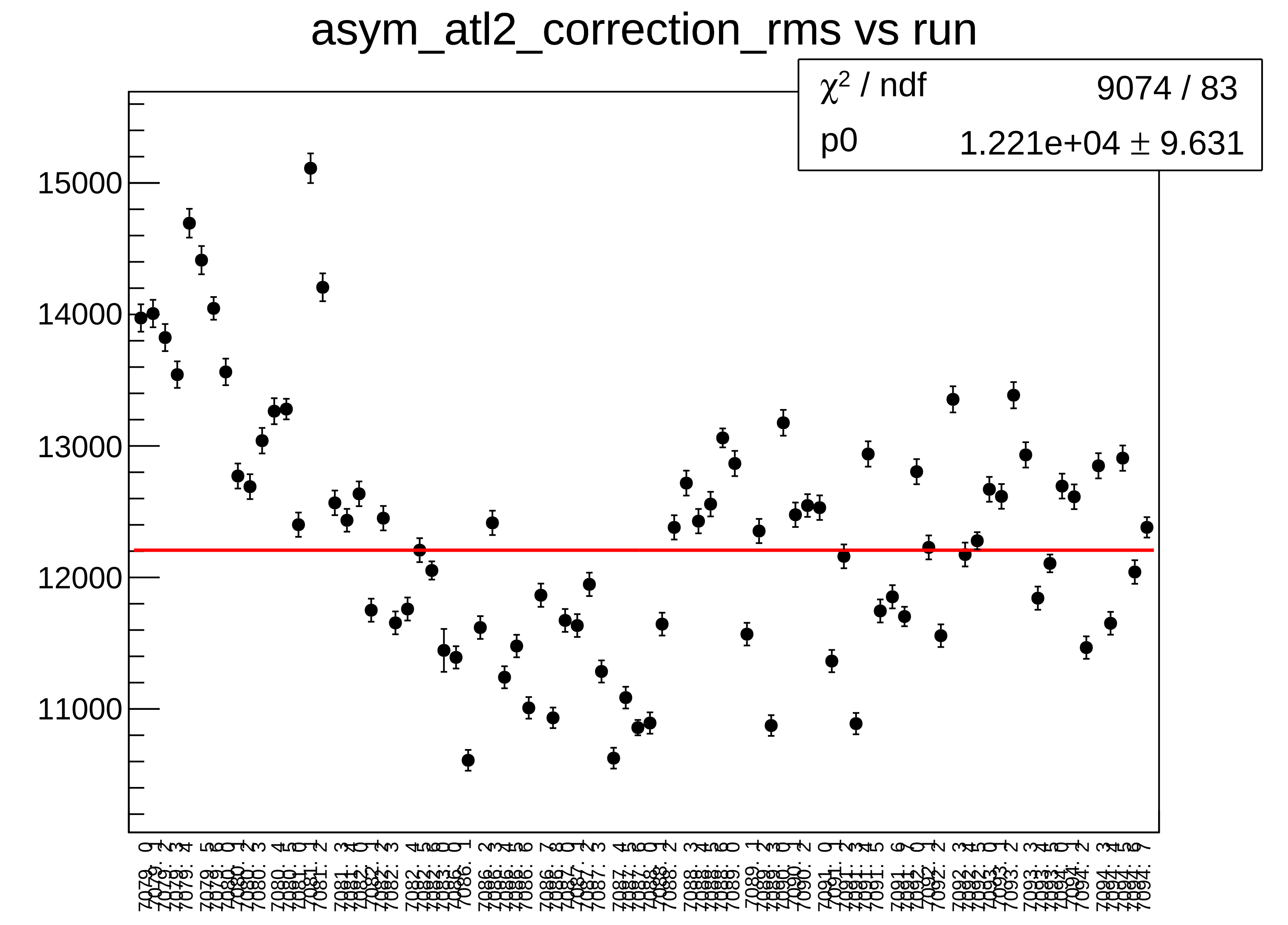
reg_asym_atl2_mean vs run
$\times10^3$
χ^2 / ndf 92.83 / 83
p0 −177.7 ± 2984
100
50
0
−50
−100
pull
Entries 84
Mean −358.8
Std Dev 383.9
pull1D
Entries 84
Mean 0.006038
Std Dev 1.051

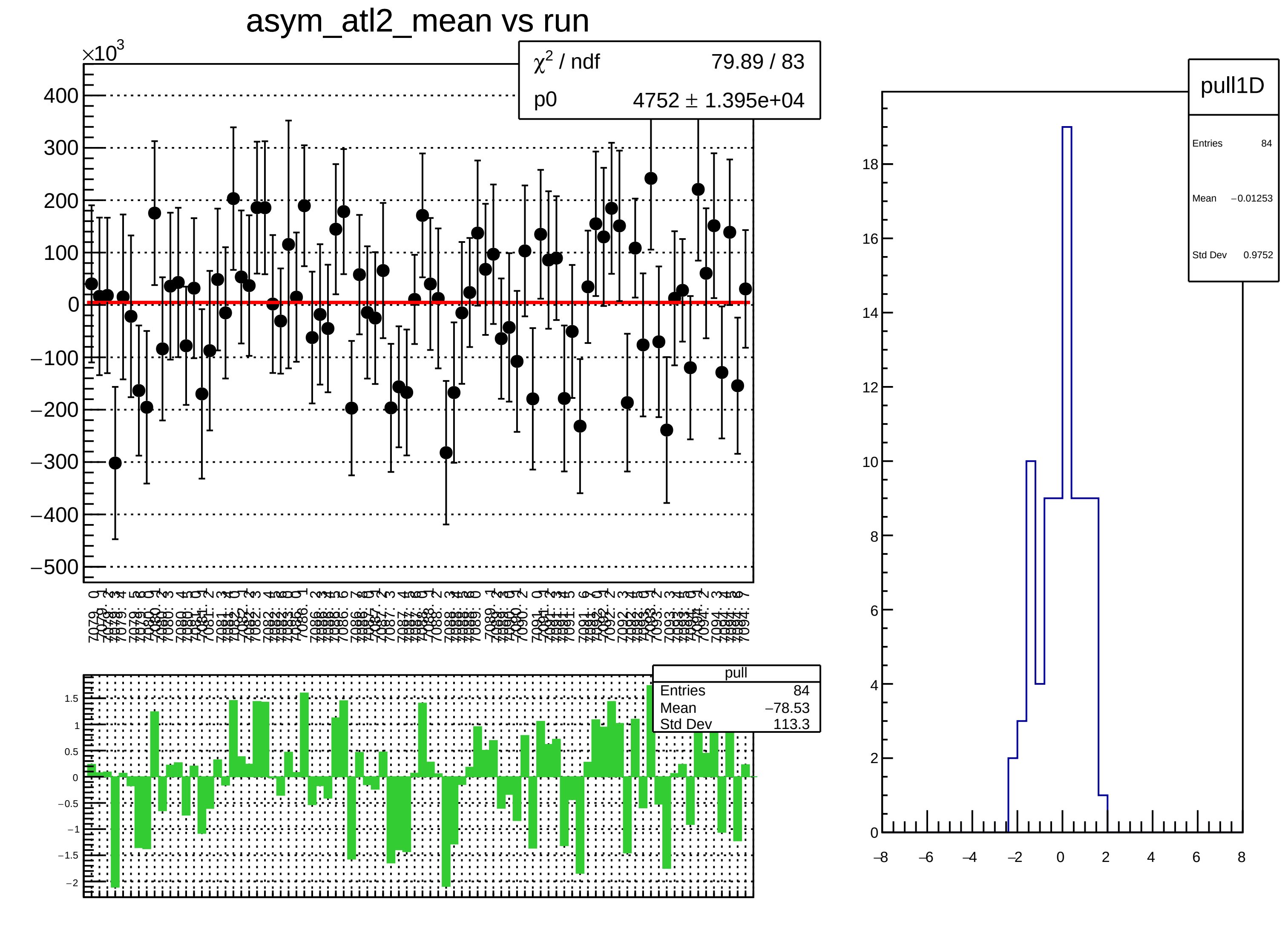


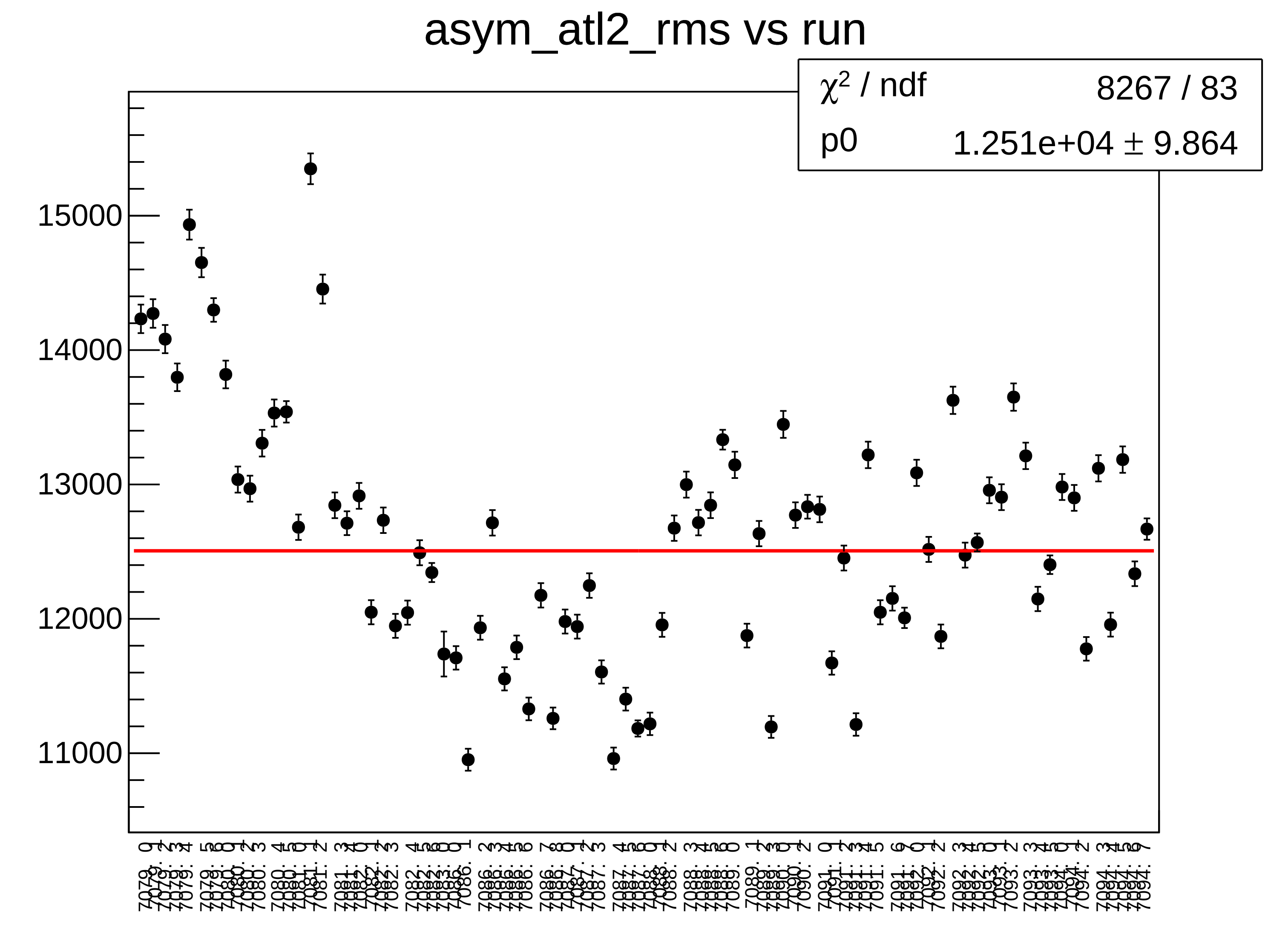
reg_asym_atl2_rms vs run
χ2 / ndf 153.8 / 83
p0 2682 ± 2.11
2780
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
2560



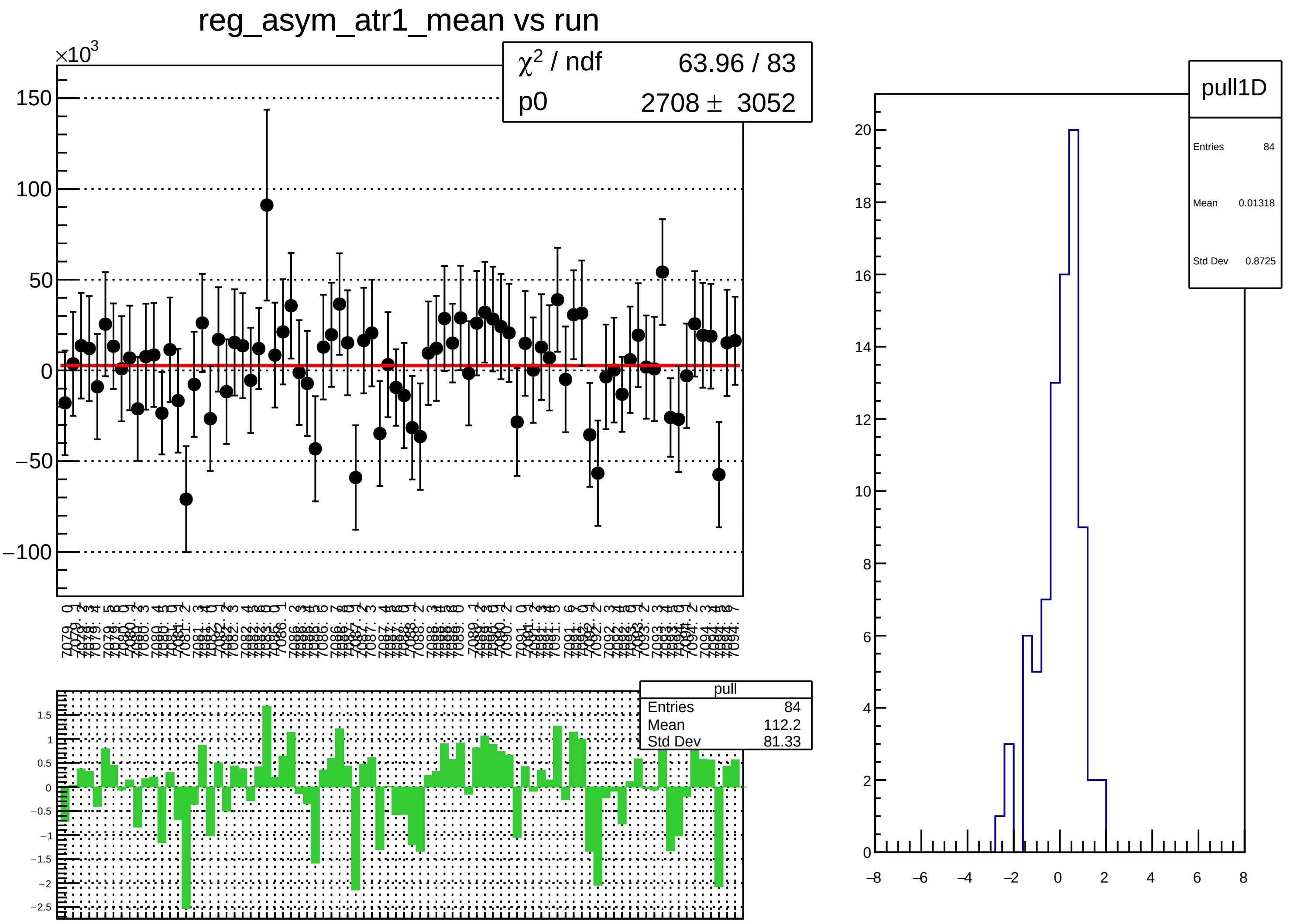
asym_atl2_correction_mean vs run
$\times10^3$
χ^2 / ndf 82.96 / 83
p0 −6319 ± 1.362e+04
400
200
0
−200
−400
pull
Entries 84
Mean −58.24
Std Dev 89.24
pull1D
Entries 84
Mean 0.01957
Std Dev 0.9936

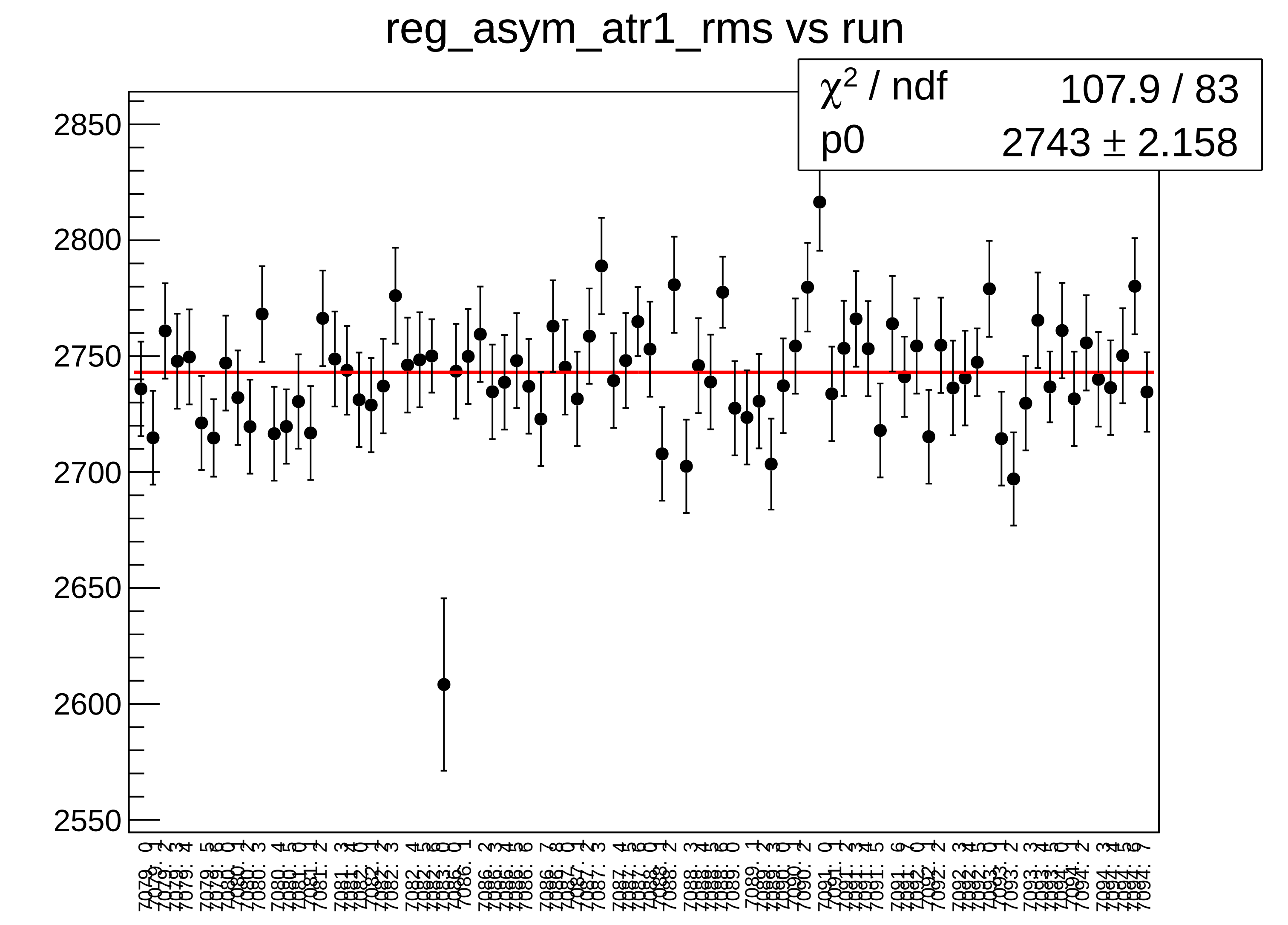

asym_atl2_correction_rms vs run
χ^2 / ndf 9074 / 83
p0 1.221e+04 ± 9.631
15000
14000
13000
12000
11000

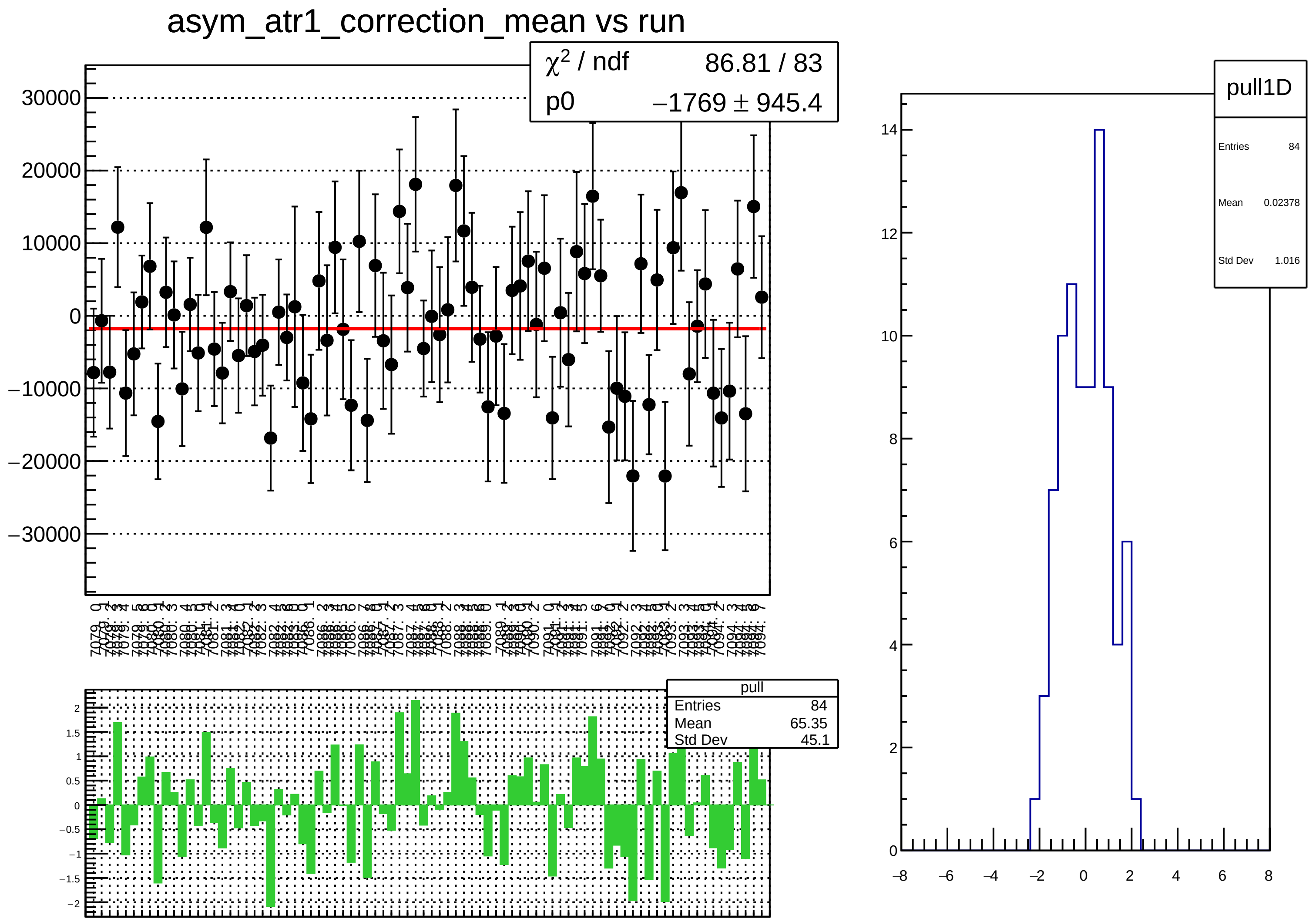

asym_atl2_mean vs run
×10^3
χ^2 / ndf 79.89 / 83
p0 4752 ± 1.395e+04
400
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 84
Mean −78.53
Std Dev 113.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.01253
Std Dev 0.9752
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

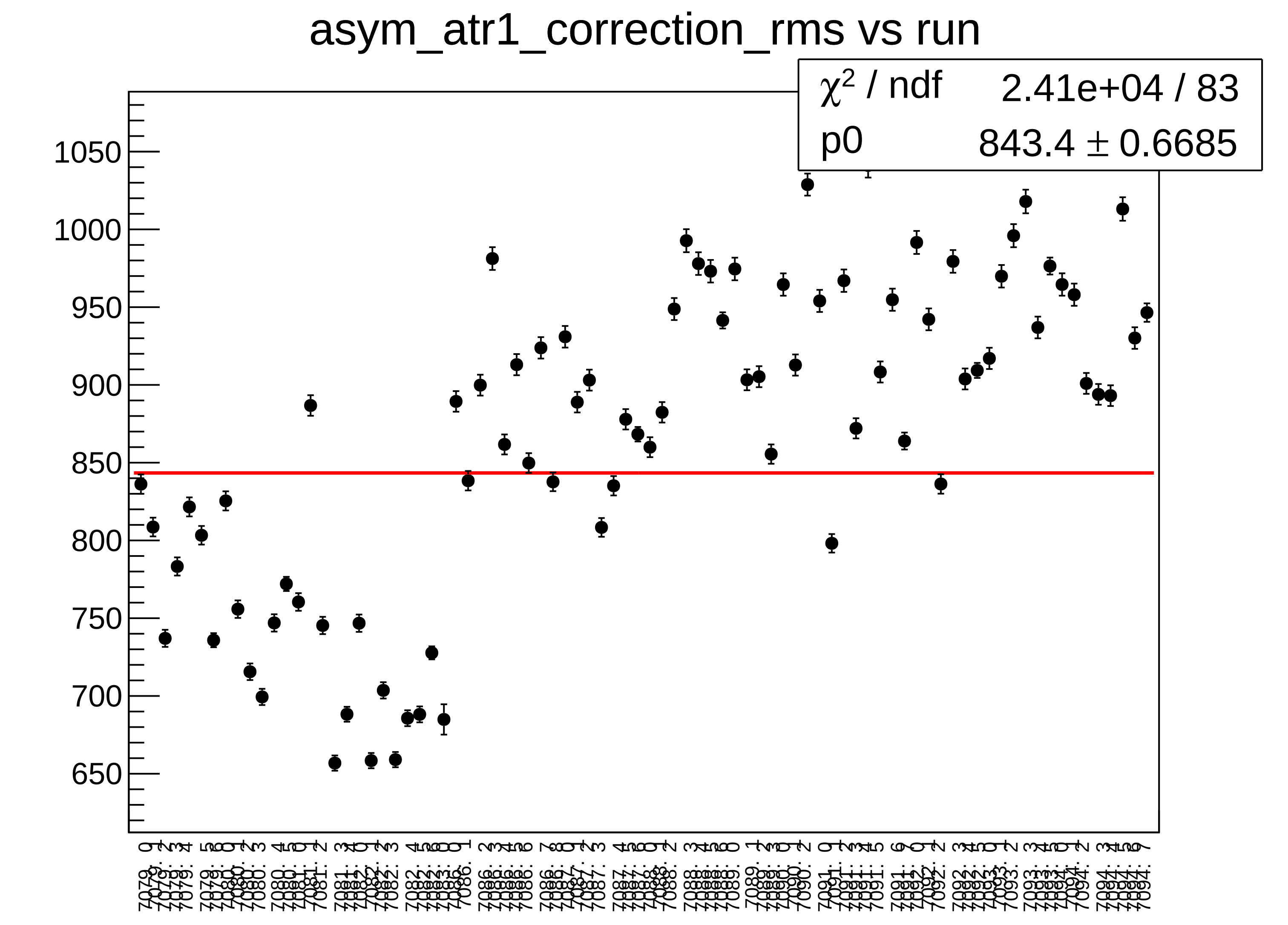


asym_atl2_rms vs run
χ^2 / ndf 8267 / 83
p0 1.251e+04 ± 9.864
15000
14000
13000
12000
11000

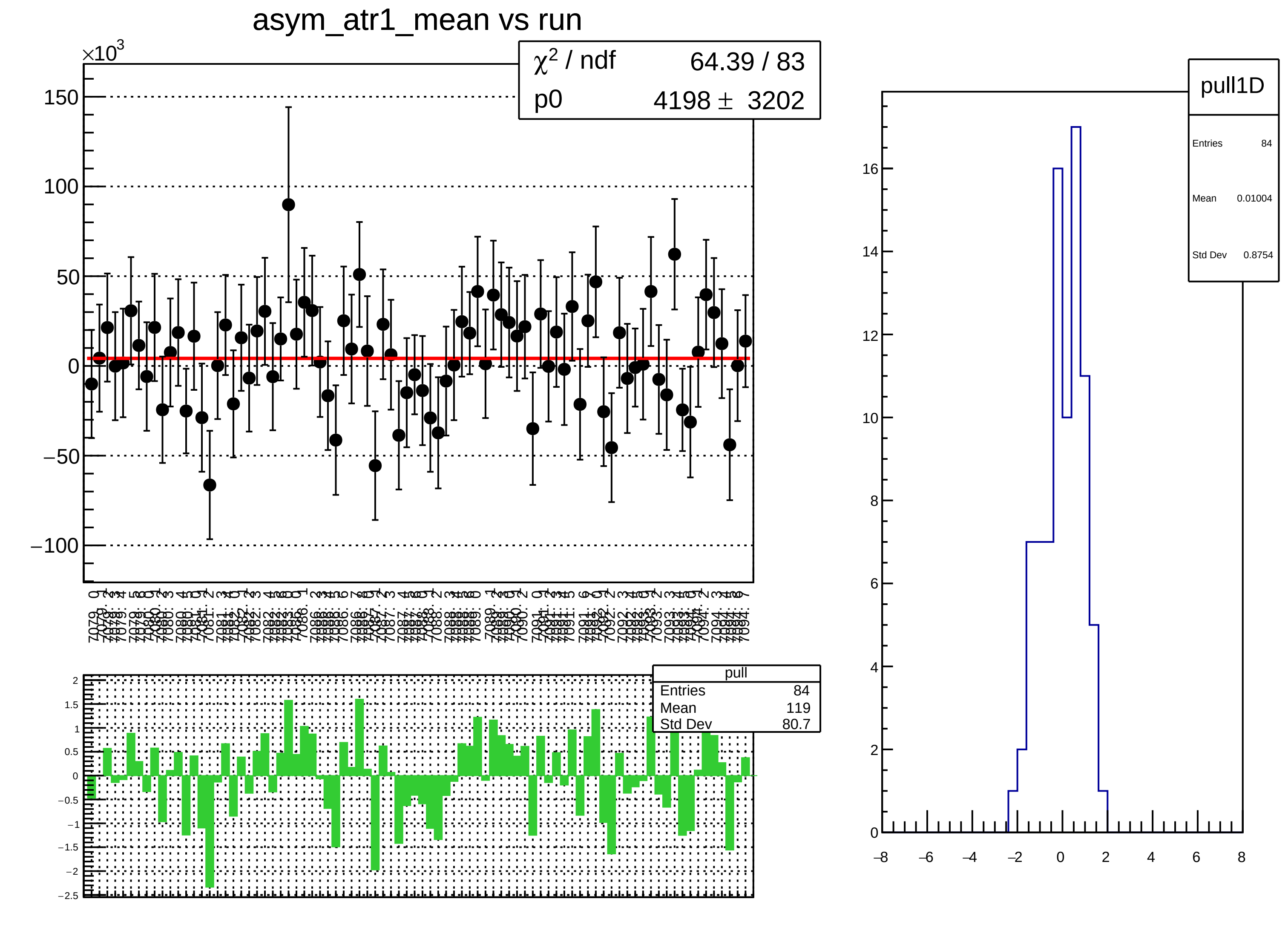

reg_asym_atr1_mean vs run
×10^3
χ2 / ndf 63.96 / 83
p0 2708 ± 3052
pull
Entries 84
Mean 112.2
Std Dev 81.33
pull1D
Entries 84
Mean 0.01318
Std Dev 0.8725

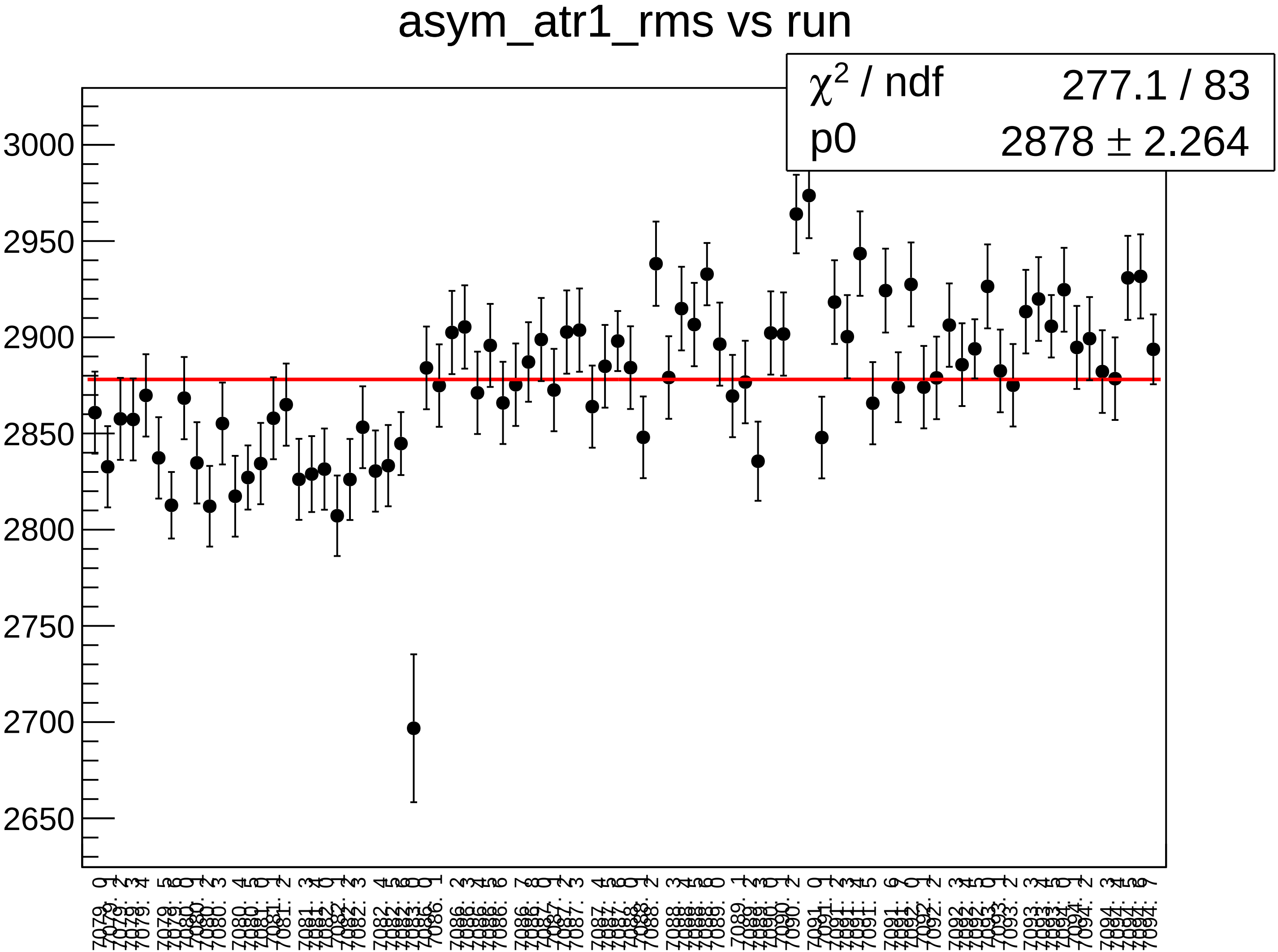

reg_asym_atr1_rms vs run
χ^2 / ndf 107.9 / 83
p0 2743 ± 2.158
2850
2800
2750
2700
2650
2600
2550

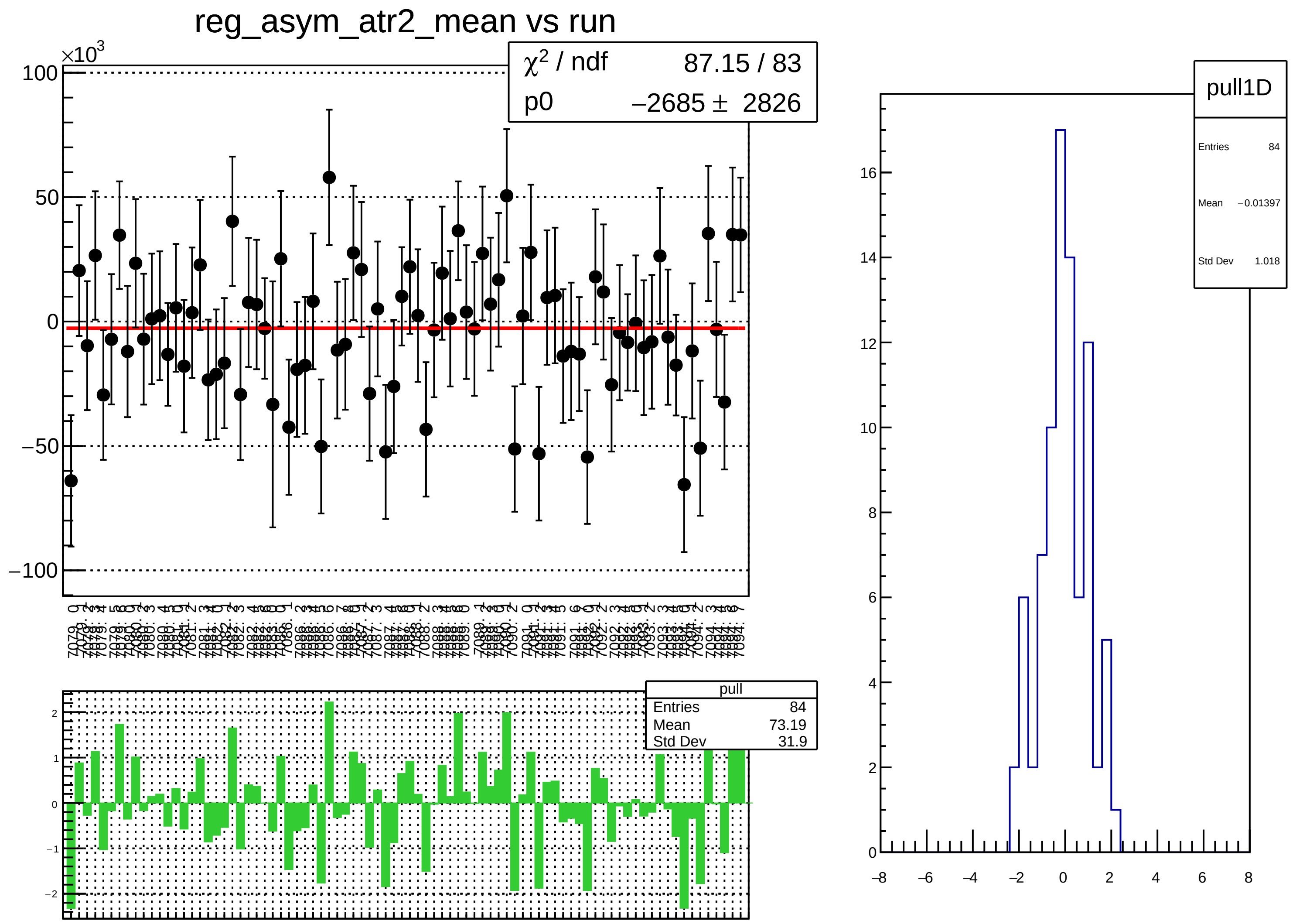

asym_atr1_correction_mean vs run
χ^2 / ndf 86.81 / 83
p0 −1769 ± 945.4
pull
Entries 84
Mean 65.35
Std Dev 45.1
pull1D
Entries 84
Mean 0.02378
Std Dev 1.016

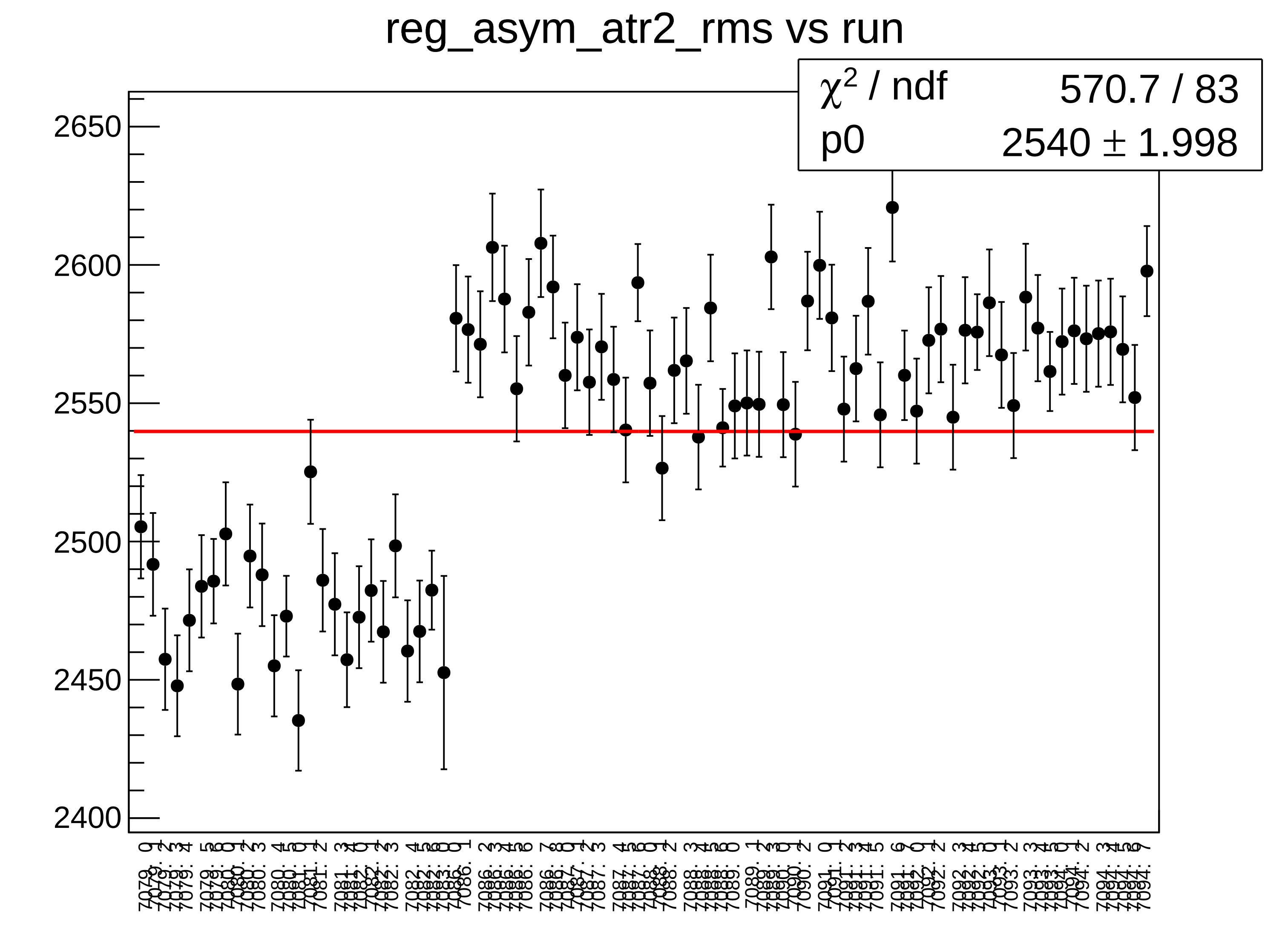


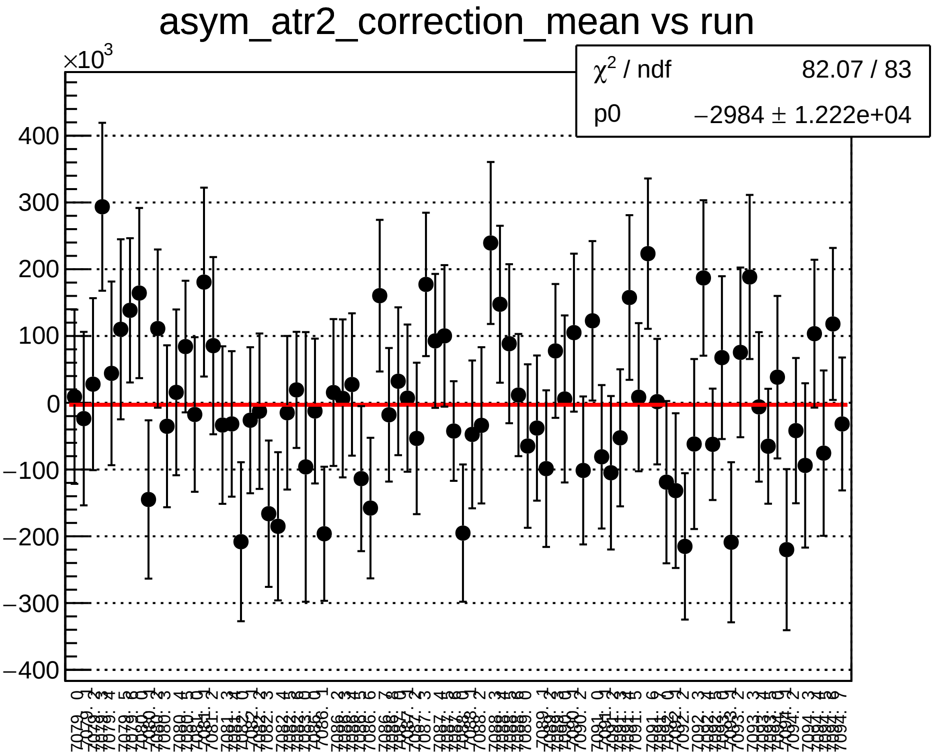
asym_atr1_correction_rms vs run
χ2 / ndf 2.41e+04 / 83
p0 843.4 ± 0.6685
1050
1000
950
900
850
800
750
700
650

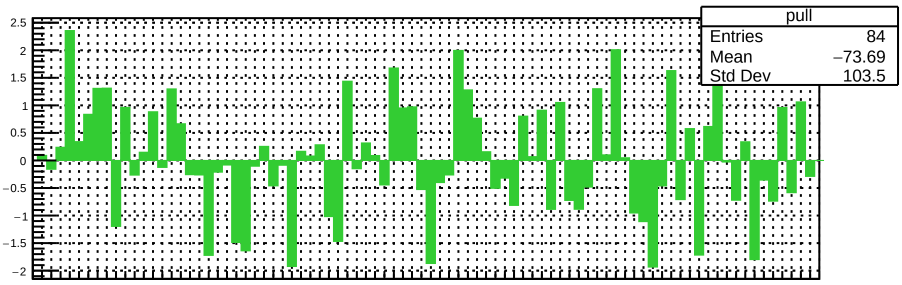

asym_atr1_mean vs run
χ^2 / ndf 64.39 / 83
p0 4198 ± 3202
pull
Entries 84
Mean 119
Std Dev 80.7
pull1D
Entries 84
Mean 0.01004
Std Dev 0.8754

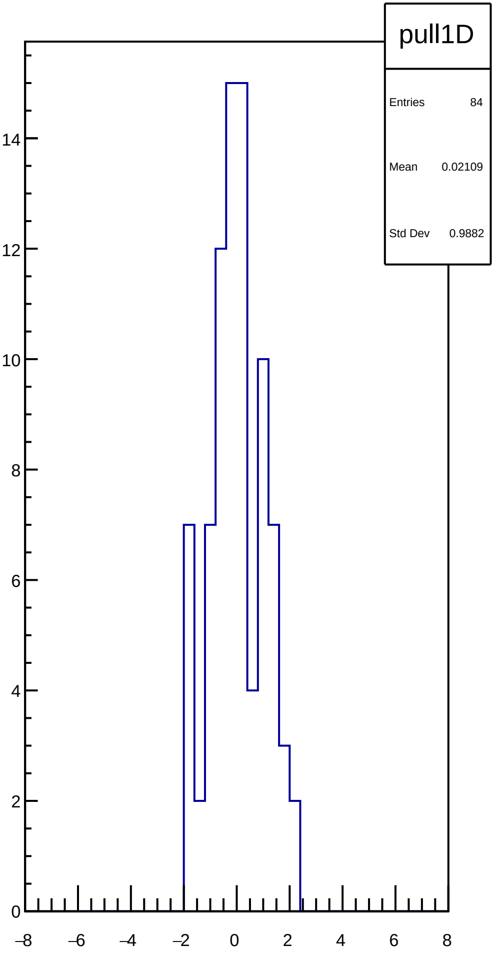

asym_atr1_rms vs run
χ^2 / ndf 277.1 / 83
p0 2878 ± 2.264
3000
2950
2900
2850
2800
2750
2700
2650

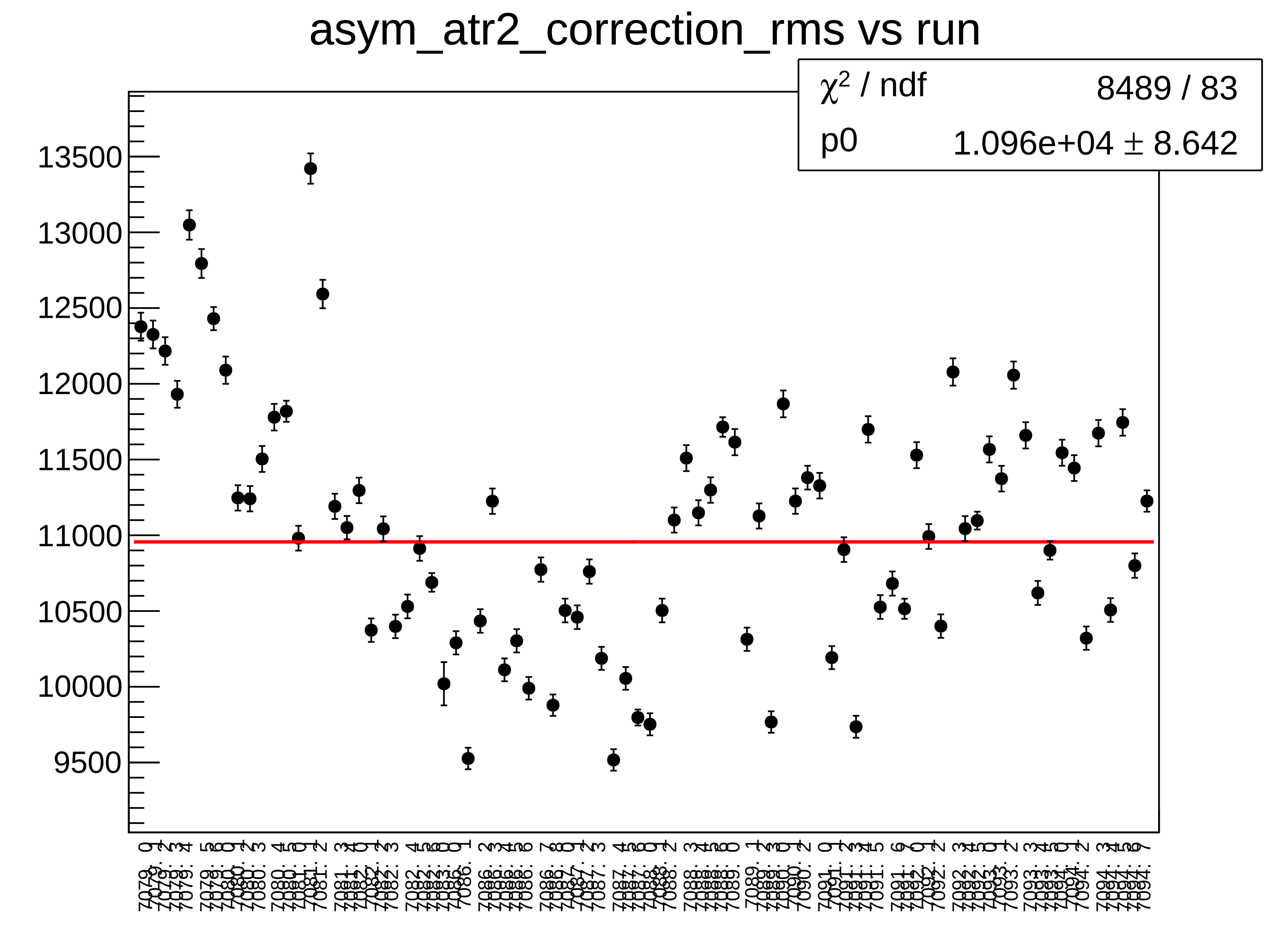

reg_asym_atr2_mean vs run
$\times10^3$
χ^2 / ndf 87.15 / 83
p0 −2685 ± 2826
100
50
0
−50
−100
pull
Entries 84
Mean 73.19
Std Dev 31.9
pull1D
Entries 84
Mean −0.01397
Std Dev 1.018


reg_asym_atr2_rms vs run
χ^2 / ndf 570.7 / 83
p0 2540 ± 1.998
2650
2600
2550
2500
2450
2400

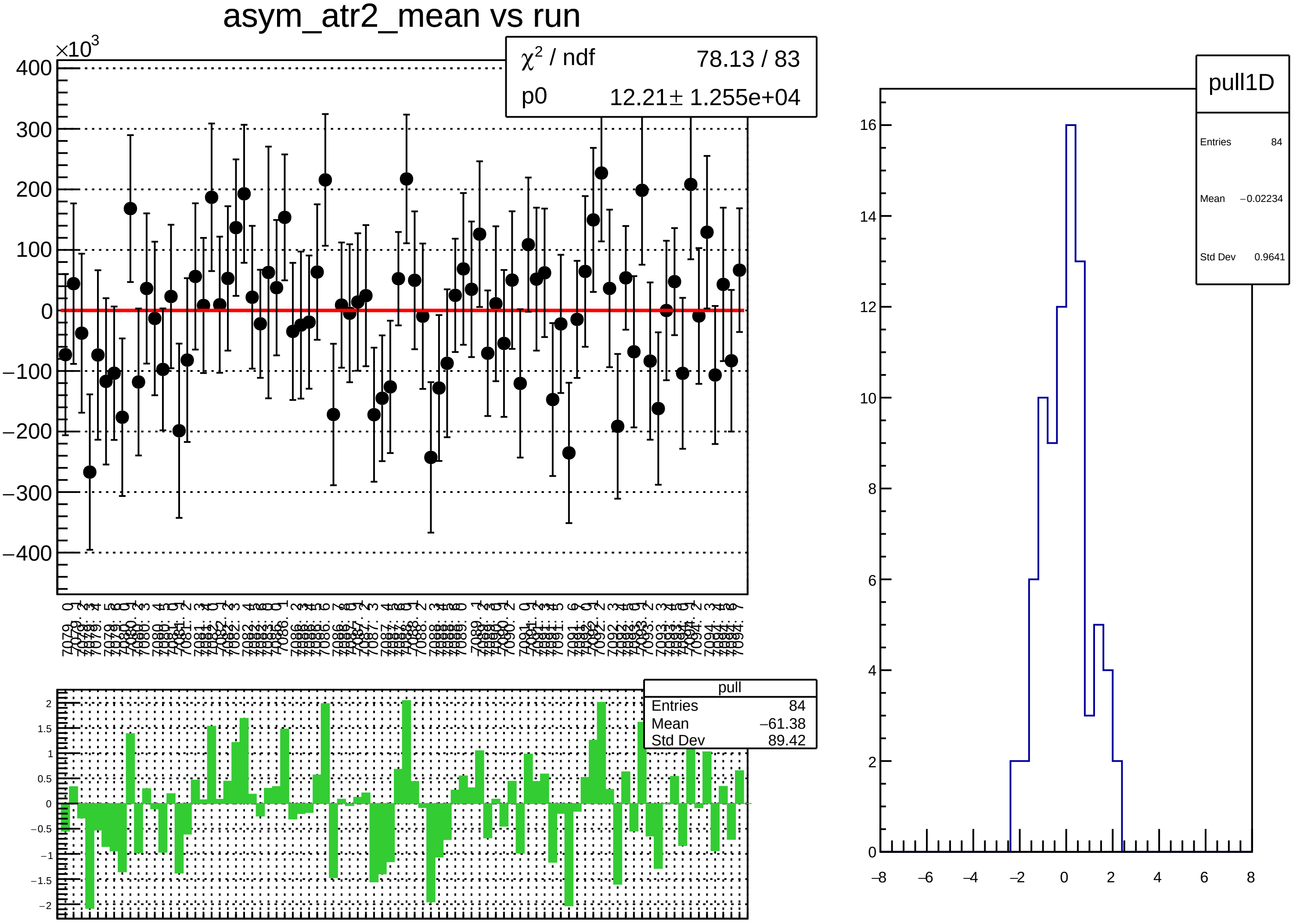

asym_atr2_correction_mean vs run
$\times10^{3}$
χ^2 / ndf 82.07 / 83
p0 −2984 ± 1.222e+04
400
300
200
100
0
−100
−200
−300
−400

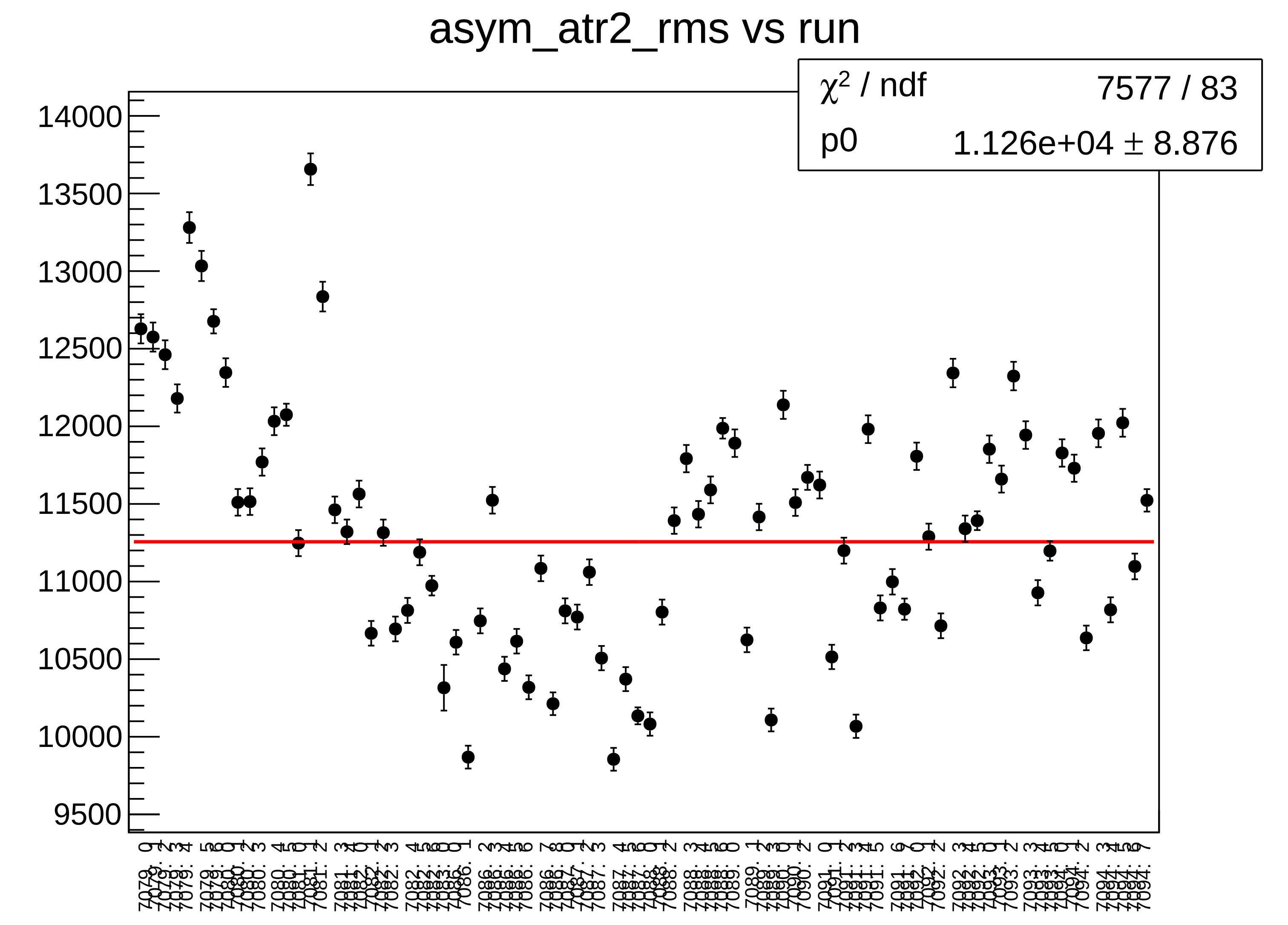

pull
Entries 84
Mean −73.69
Std Dev 103.5

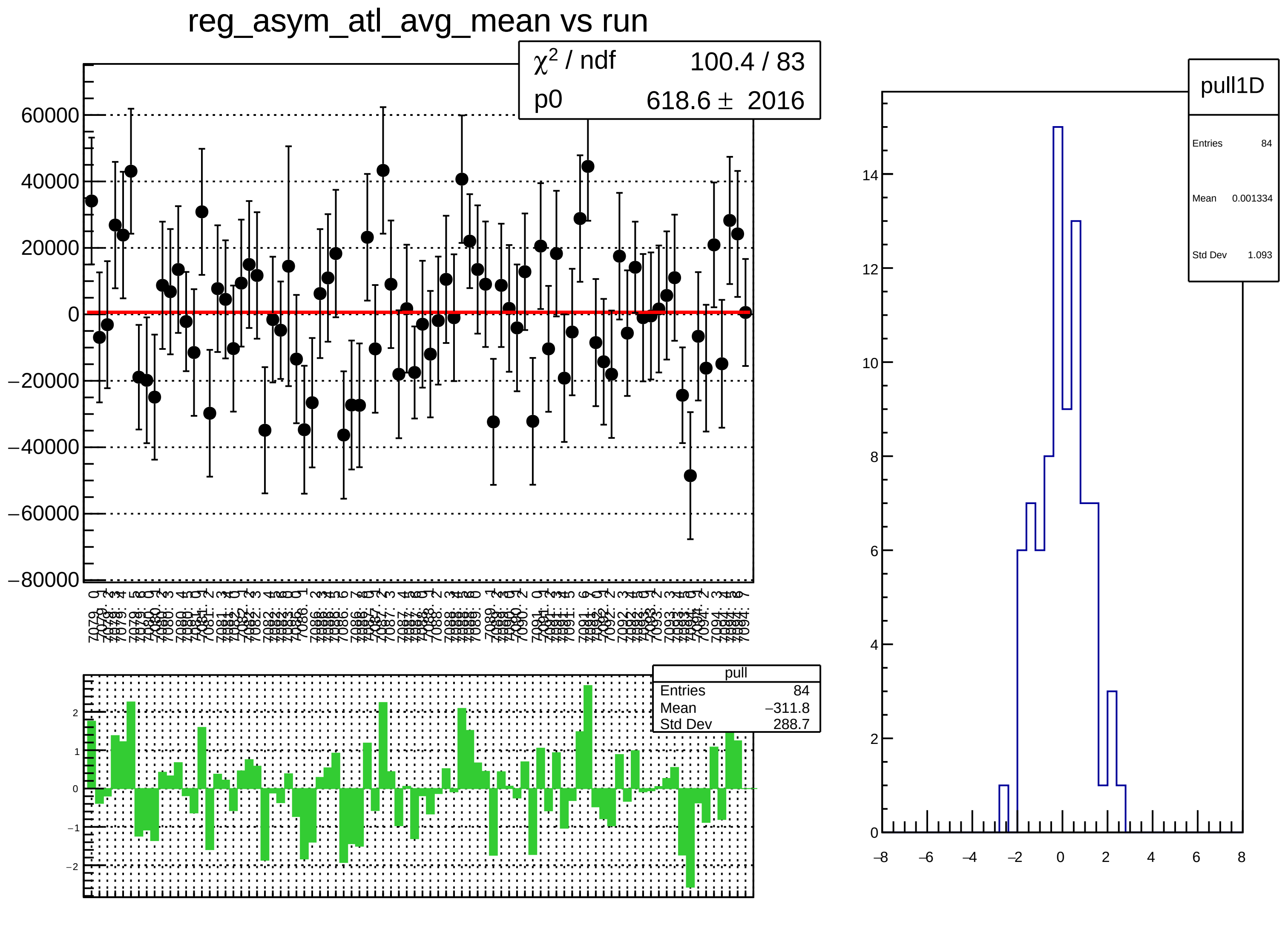

pull1D
Entries 84
Mean 0.02109
Std Dev 0.9882



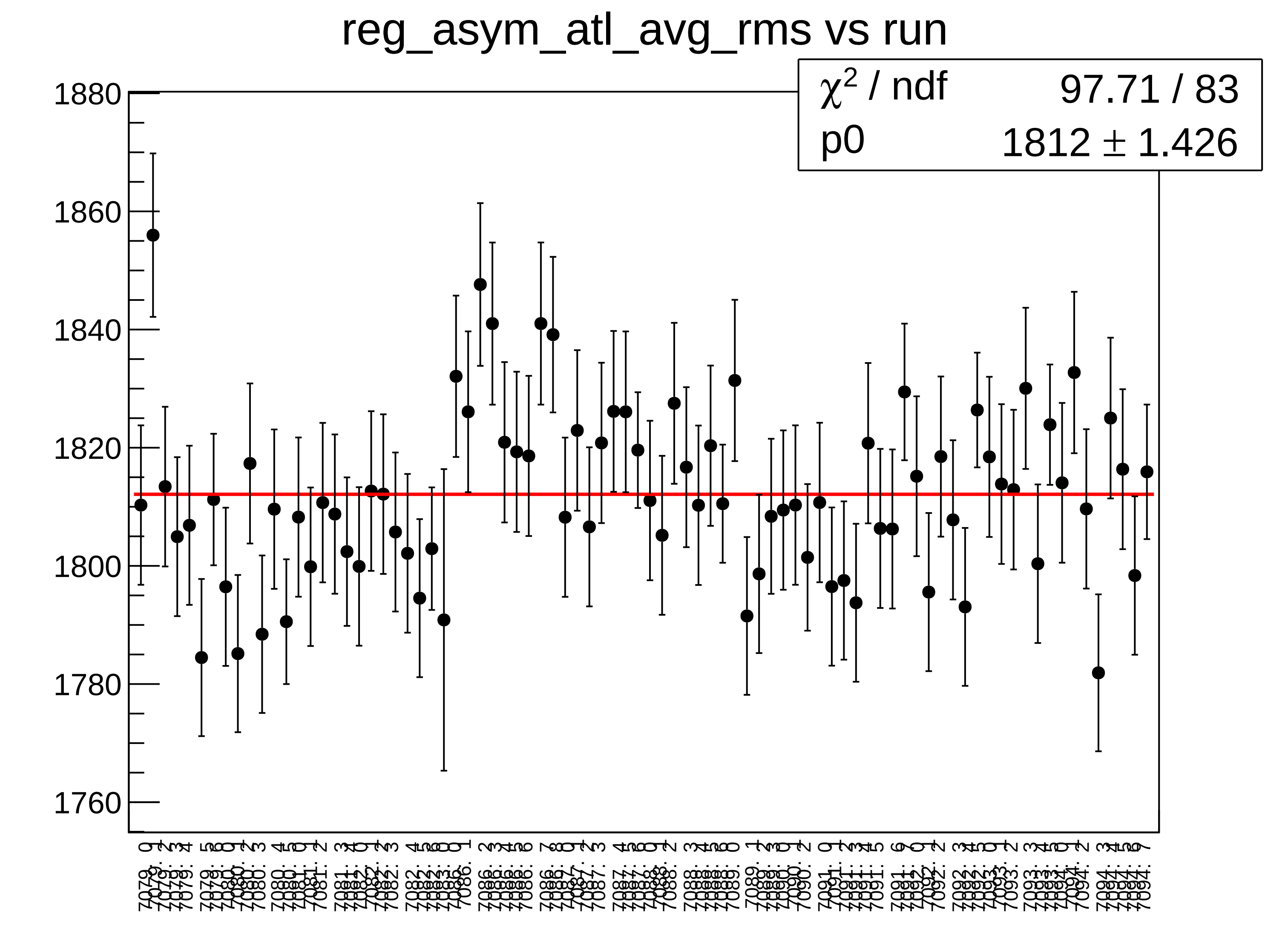
asym_atr2_correction_rms vs run
χ^2 / ndf 8489 / 83
p0 1.096e+04 ± 8.642
13500
13000
12500
12000
11500
11000
10500
10000
9500

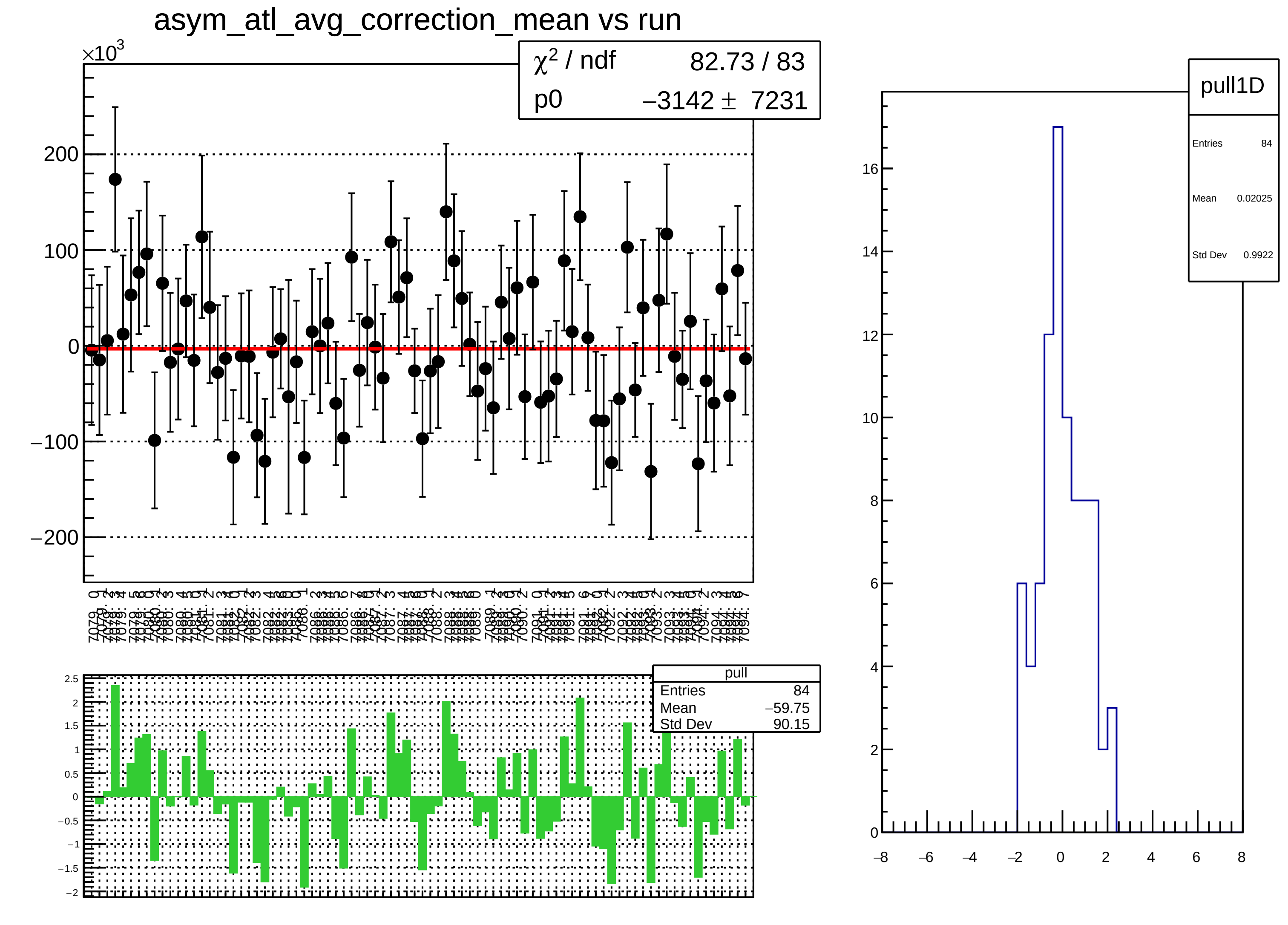

asym_atr2_mean vs run
×10^3
χ2 / ndf 78.13 / 83
p0 12.21± 1.255e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 84
Mean −61.38
Std Dev 89.42
pull1D
Entries 84
Mean −0.02234
Std Dev 0.9641
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

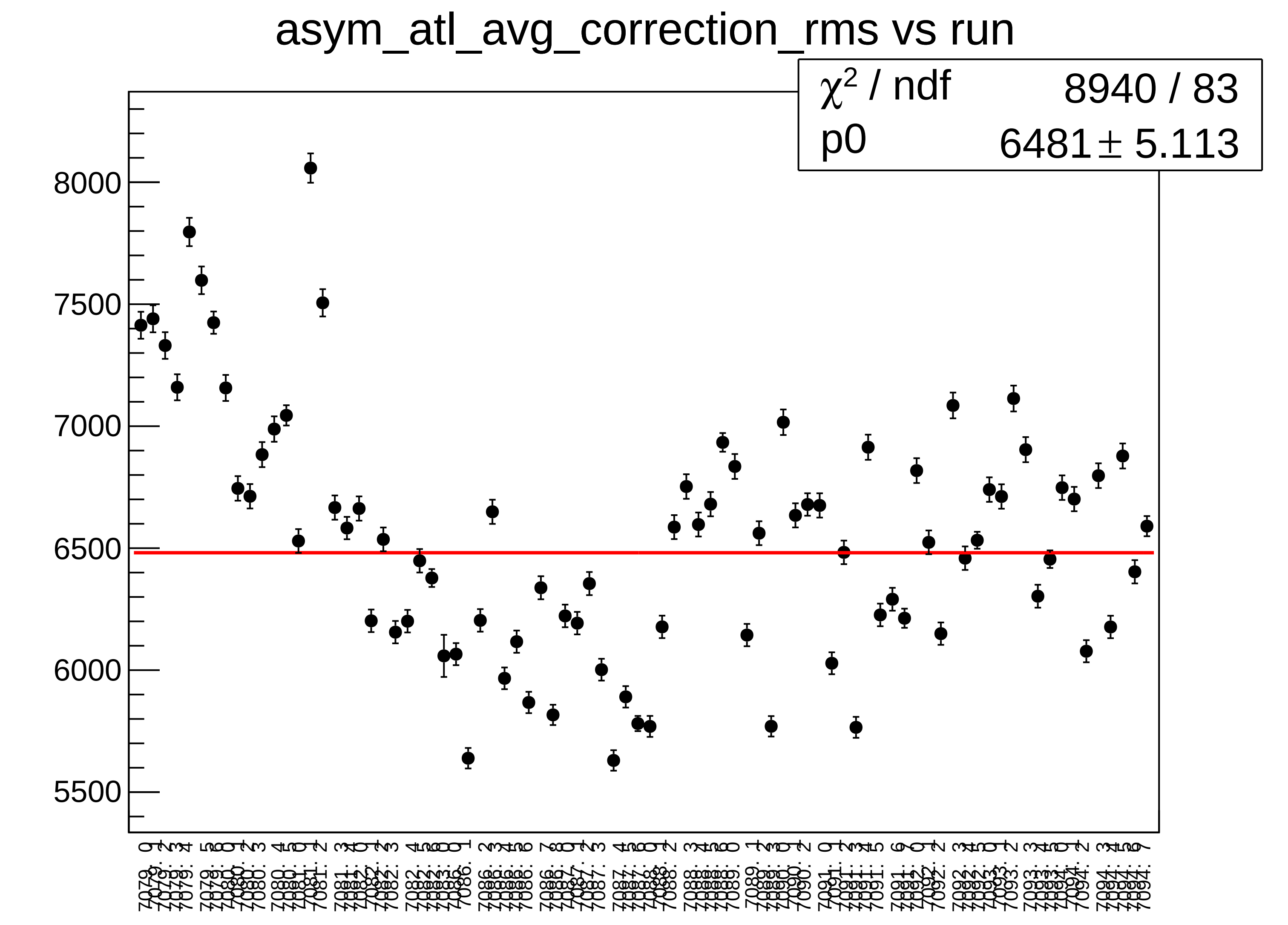

asym_atr2_rms vs run
χ^2 / ndf 7577 / 83
p0 1.126e+04 ± 8.876
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

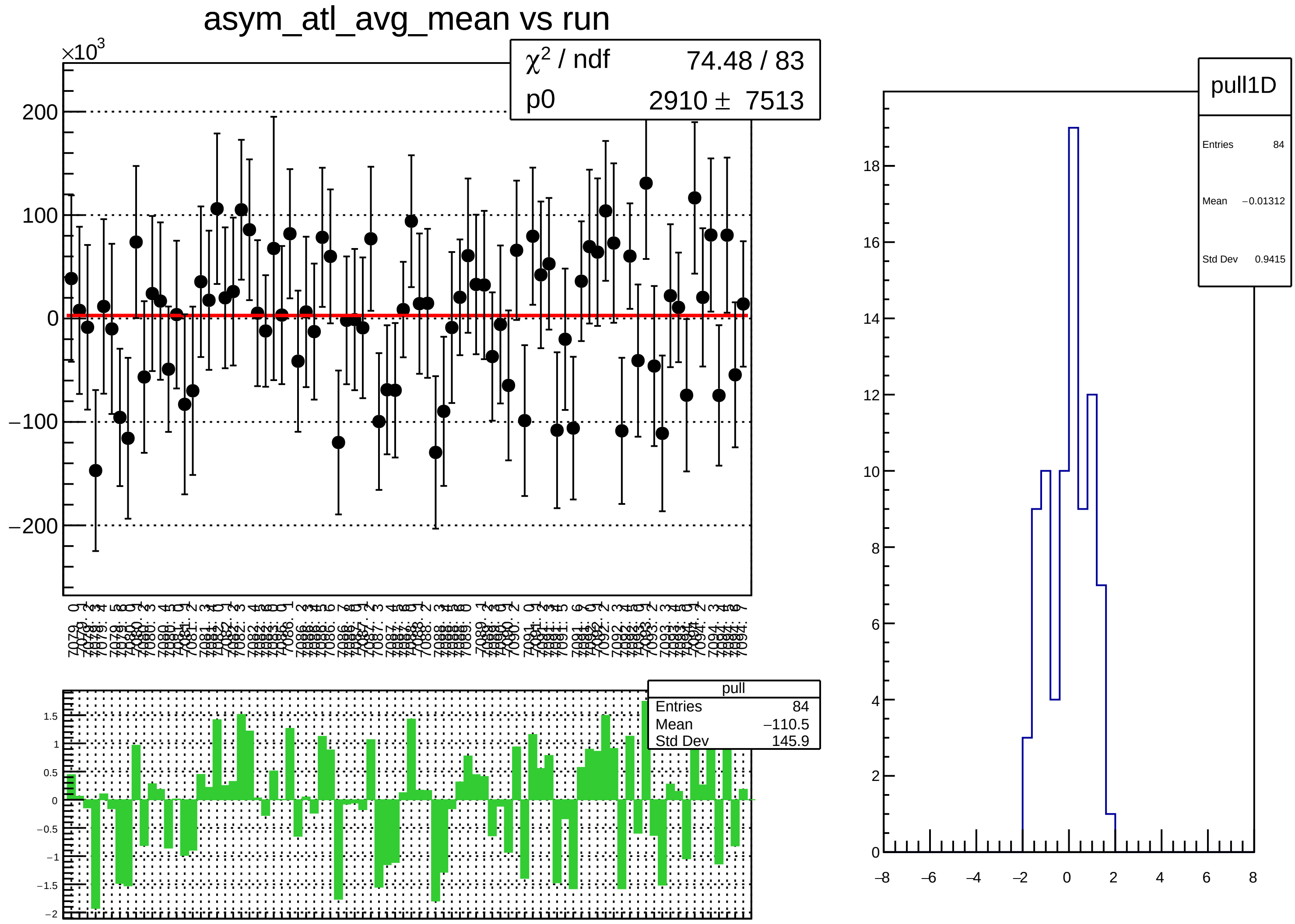


reg_asym_atl_avg_mean vs run
χ^2 / ndf 100.4 / 83
p0 618.6 ± 2016
pull
Entries 84
Mean −311.8
Std Dev 288.7
pull1D
Entries 84
Mean 0.001334
Std Dev 1.093

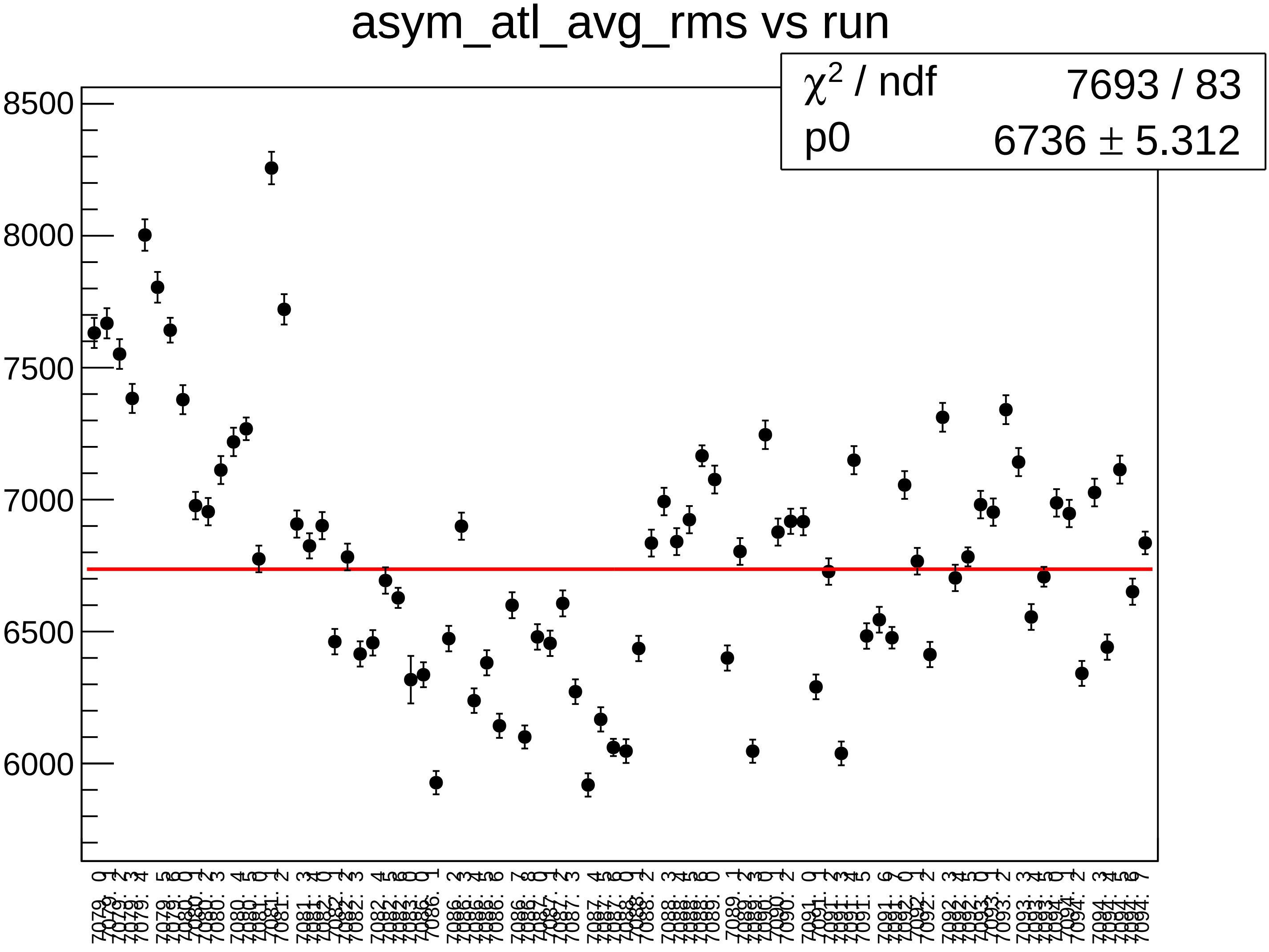

reg_asym_atl_avg_rms vs run
χ^2 / ndf 97.71 / 83
p0 1812 ± 1.426
1880
1860
1840
1820
1800
1780
1760


asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 82.73 / 83
p0 −3142 ± 7231
pull
Entries 84
Mean −59.75
Std Dev 90.15
pull1D
Entries 84
Mean 0.02025
Std Dev 0.9922

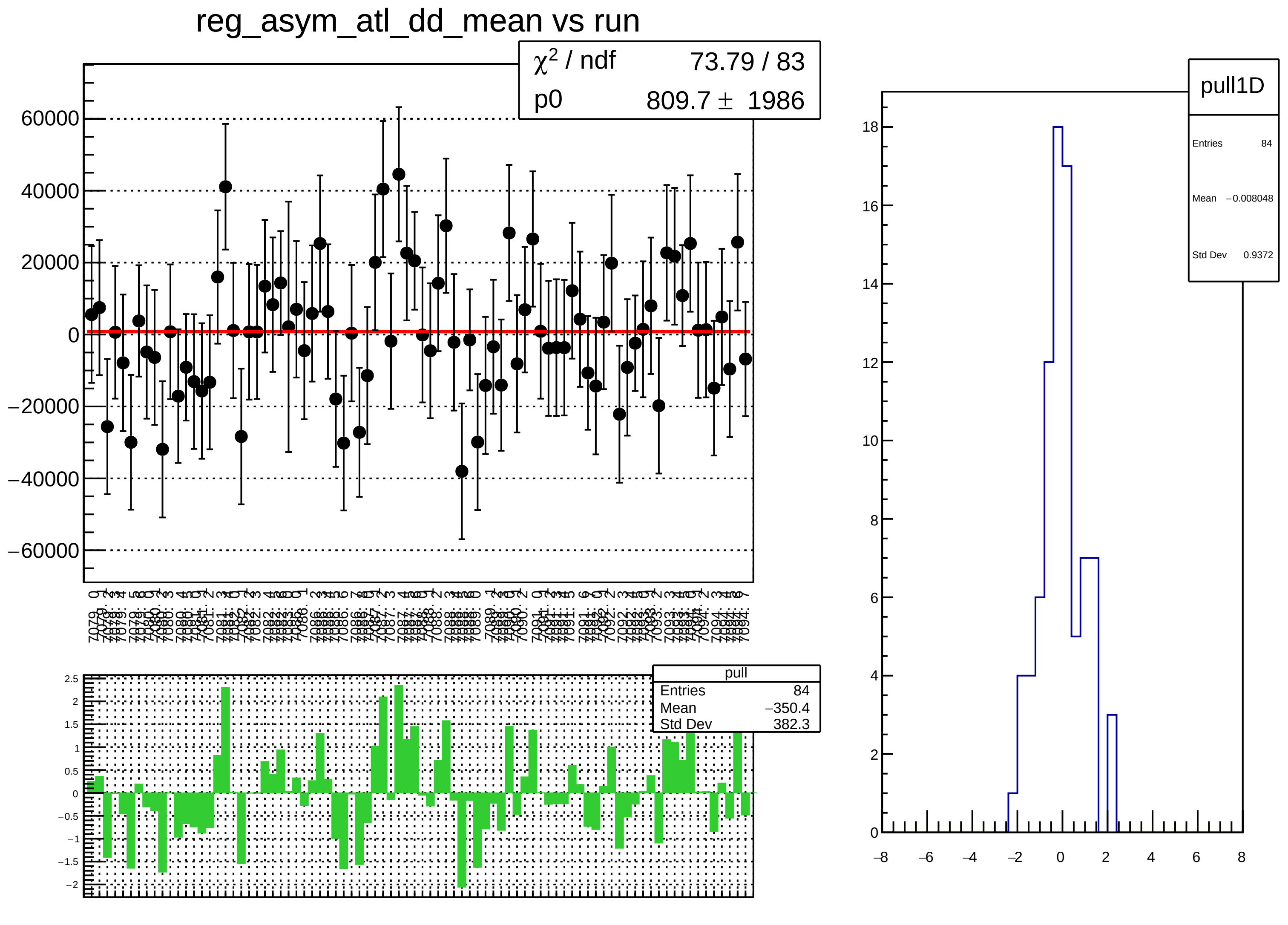

asym_atl_avg_correction_rms vs run
χ^2 / ndf 8940 / 83
p0 6481 ± 5.113
8000
7500
7000
6500
6000
5500



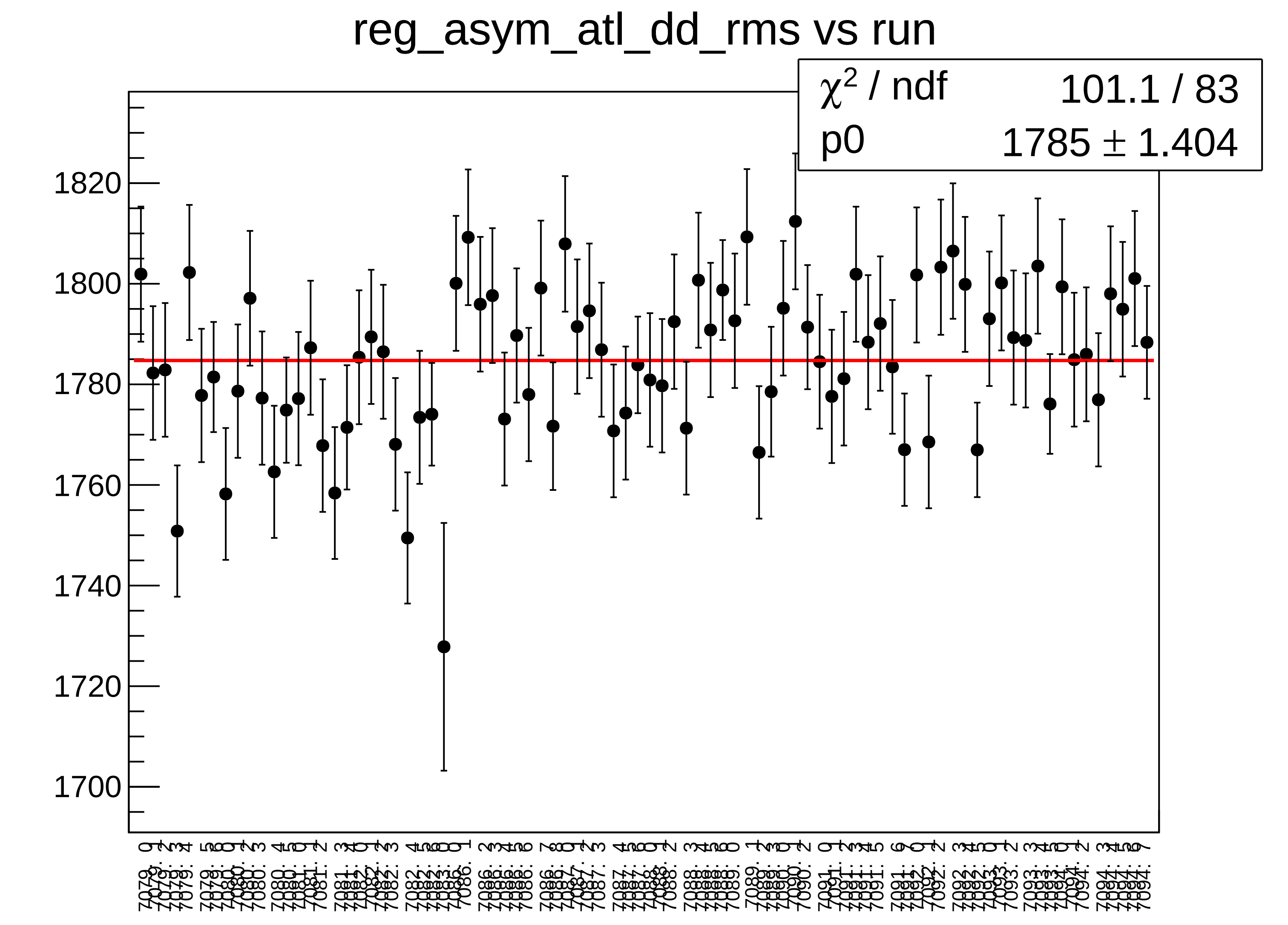
asym_atl_avg_mean vs run
×10^3
χ2 / ndf 74.48 / 83
p0 2910 ± 7513
pull
Entries 84
Mean −110.5
Std Dev 145.9
pull1D
Entries 84
Mean −0.01312
Std Dev 0.9415

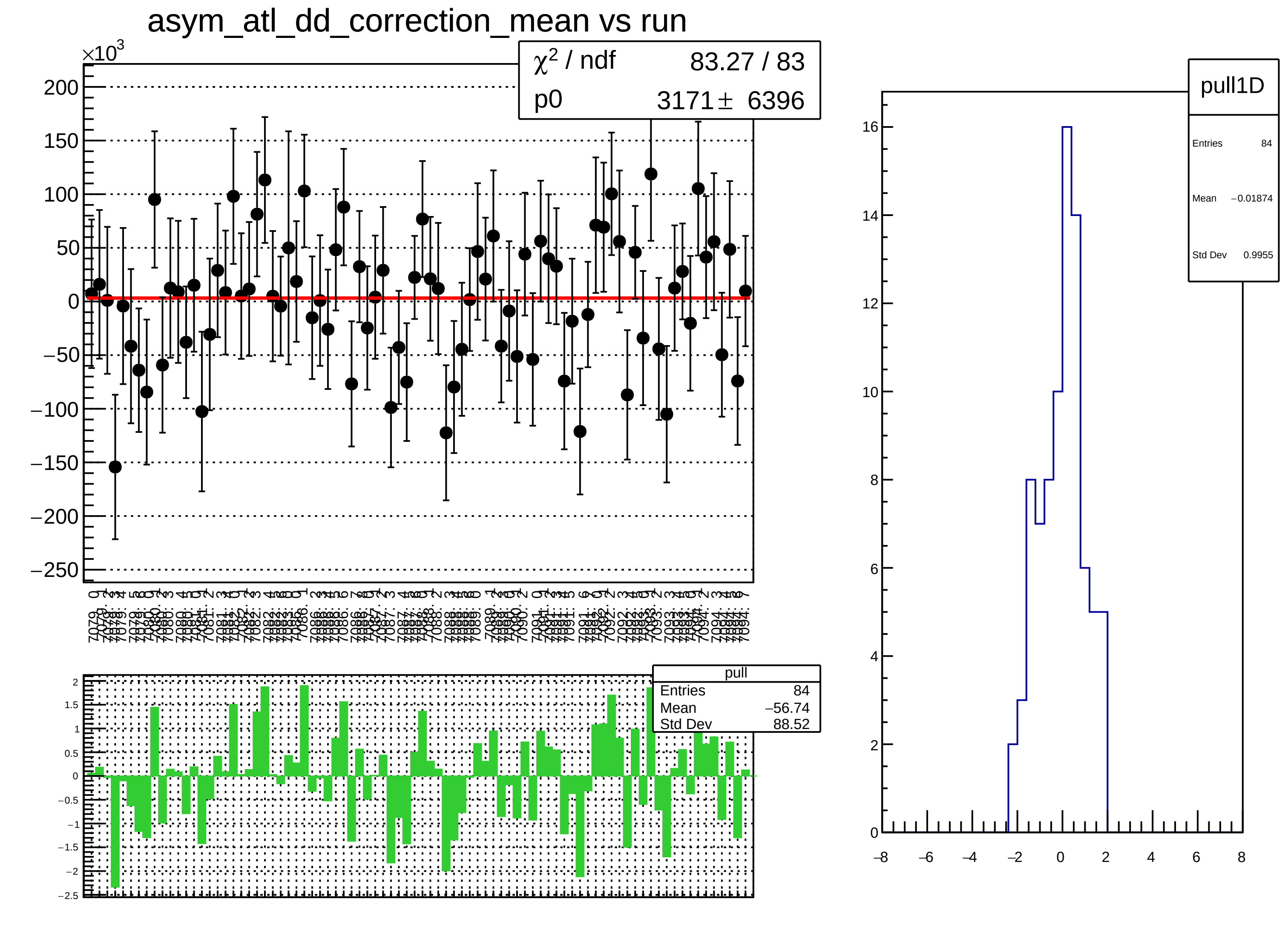


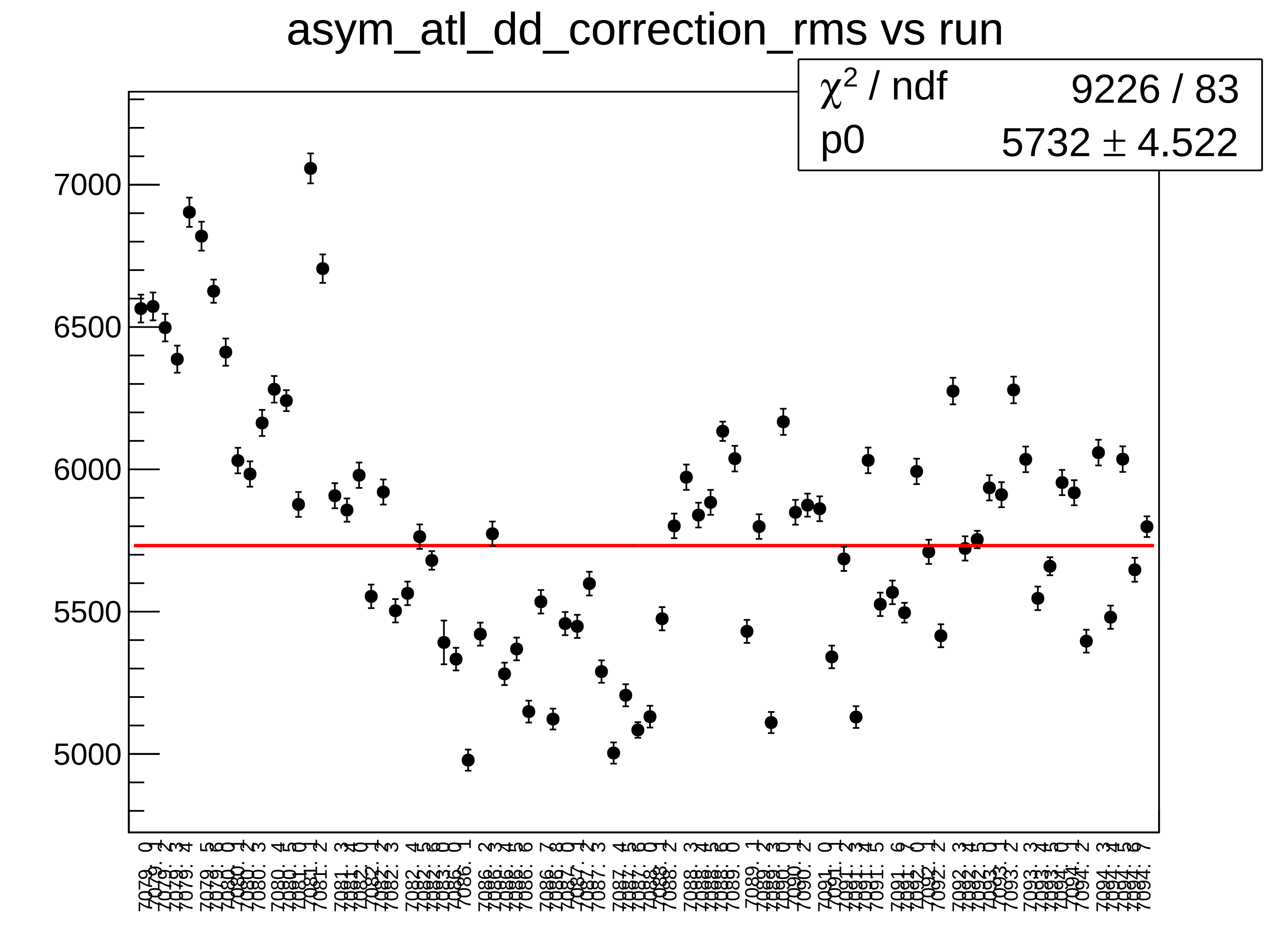
asym_atl_avg_rms vs run
χ^2 / ndf 7693 / 83
p0 6736 ± 5.312
8500
8000
7500
7000
6500
6000

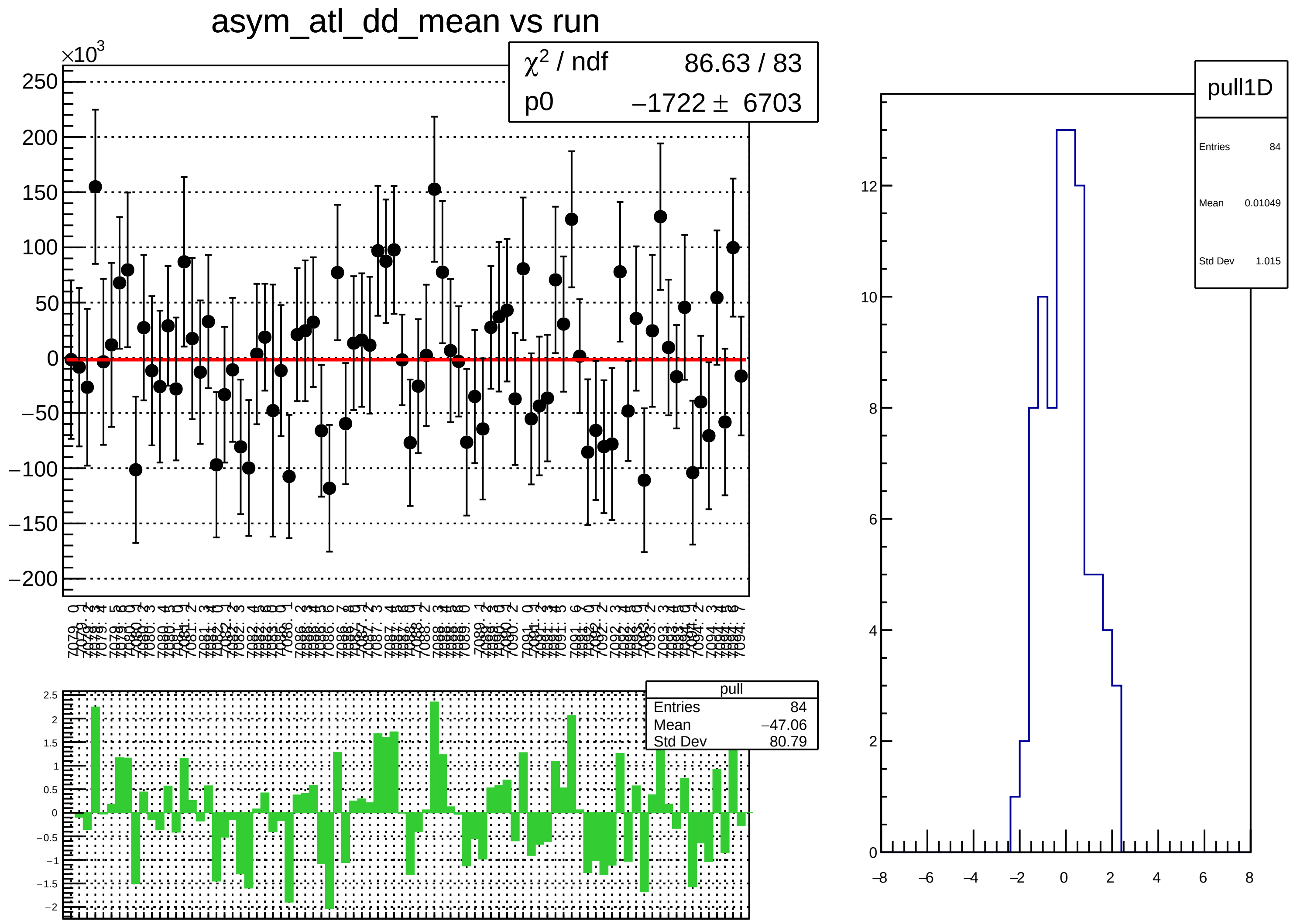


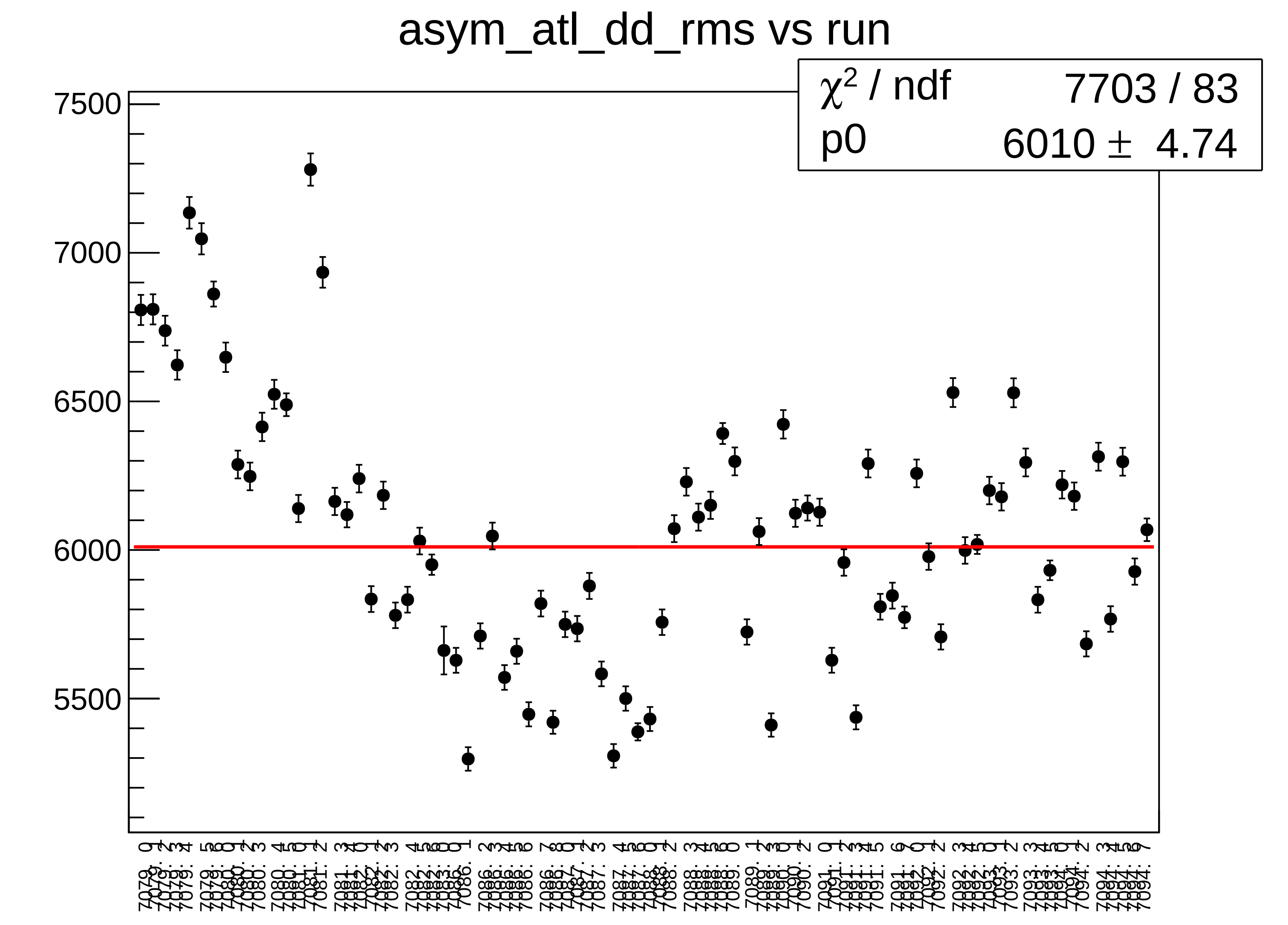
reg_asym_atl_dd_mean vs run
χ^2 / ndf 73.79 / 83
p0 809.7 ± 1986
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −350.4
Std Dev 382.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.008048
Std Dev 0.9372
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_rms vs run
χ2 / ndf 101.1 / 83
p0 1785 ± 1.404
1820
1800
1780
1760
1740
1720
1700

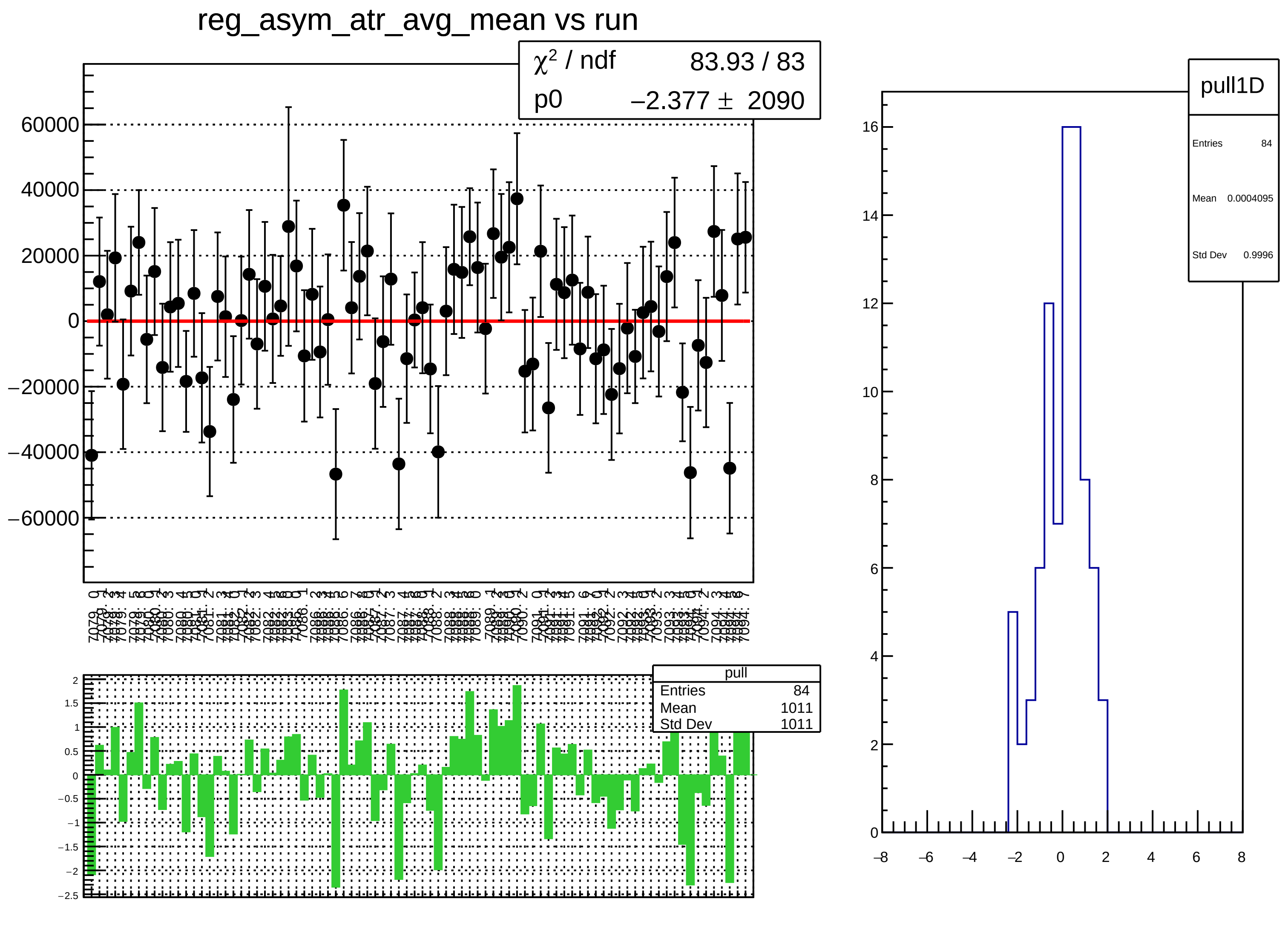

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 83.27 / 83
p0 3171 ± 6396
pull
Entries 84
Mean −56.74
Std Dev 88.52
pull1D
Entries 84
Mean −0.01874
Std Dev 0.9955

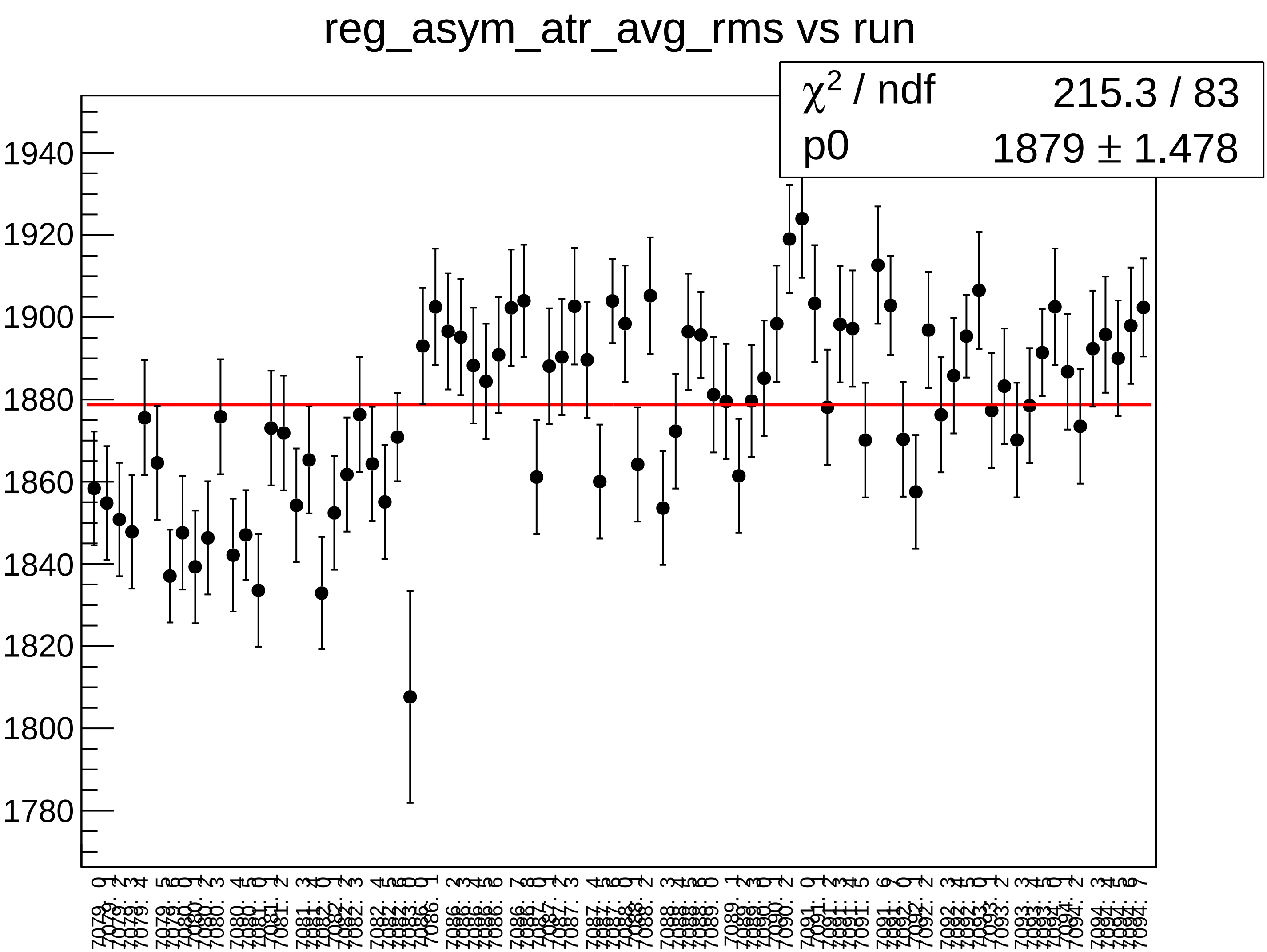

asym_atl_dd_correction_rms vs run
χ2 / ndf 9226 / 83
p0 5732 ± 4.522
7000
6500
6000
5500
5000


asym_atl_dd_mean vs run
$\times10^3$
χ^2 / ndf 86.63 / 83
p0 −1722 ± 6703
pull
Entries 84
Mean −47.06
Std Dev 80.79
pull1D
Entries 84
Mean 0.01049
Std Dev 1.015

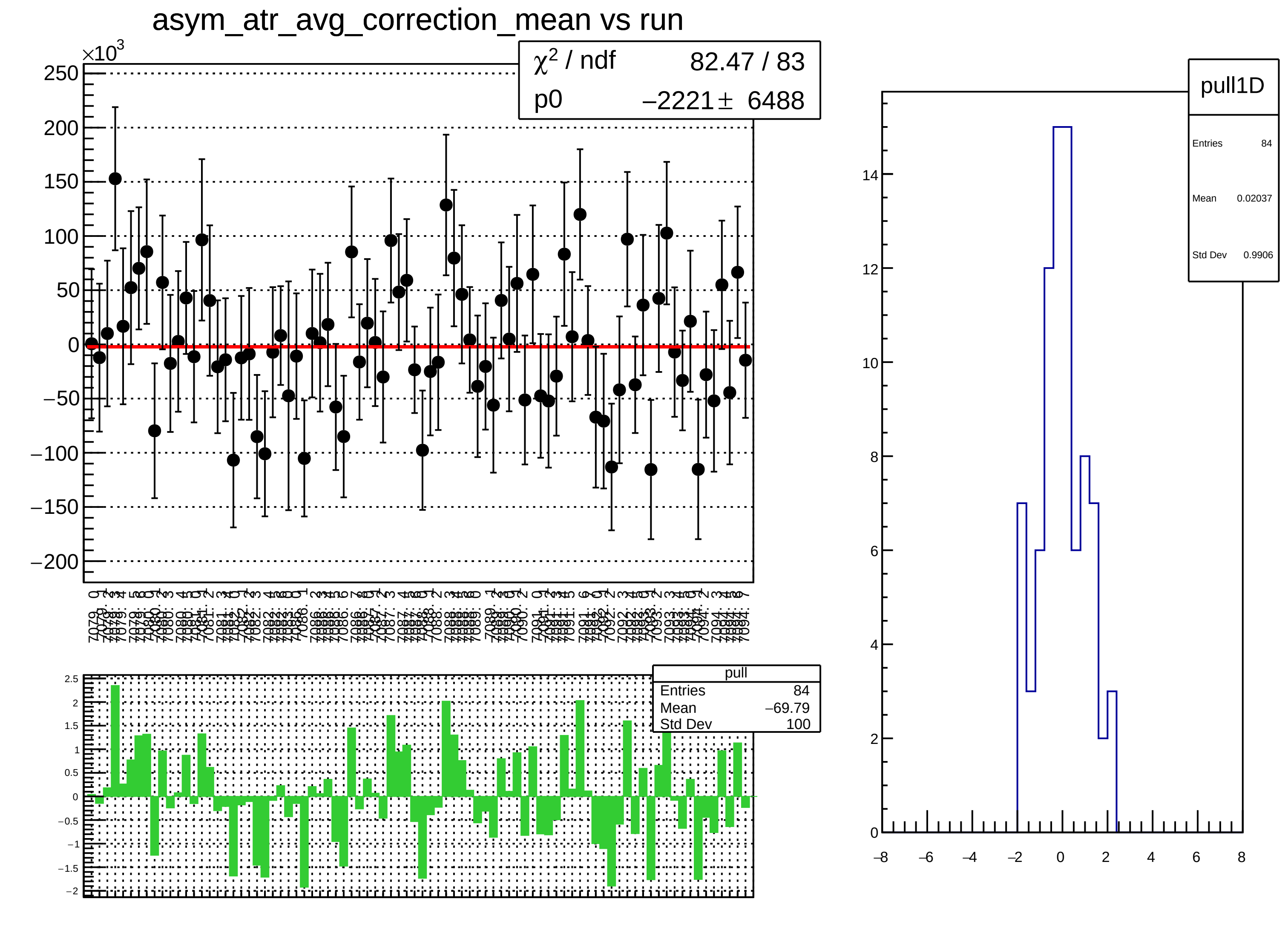


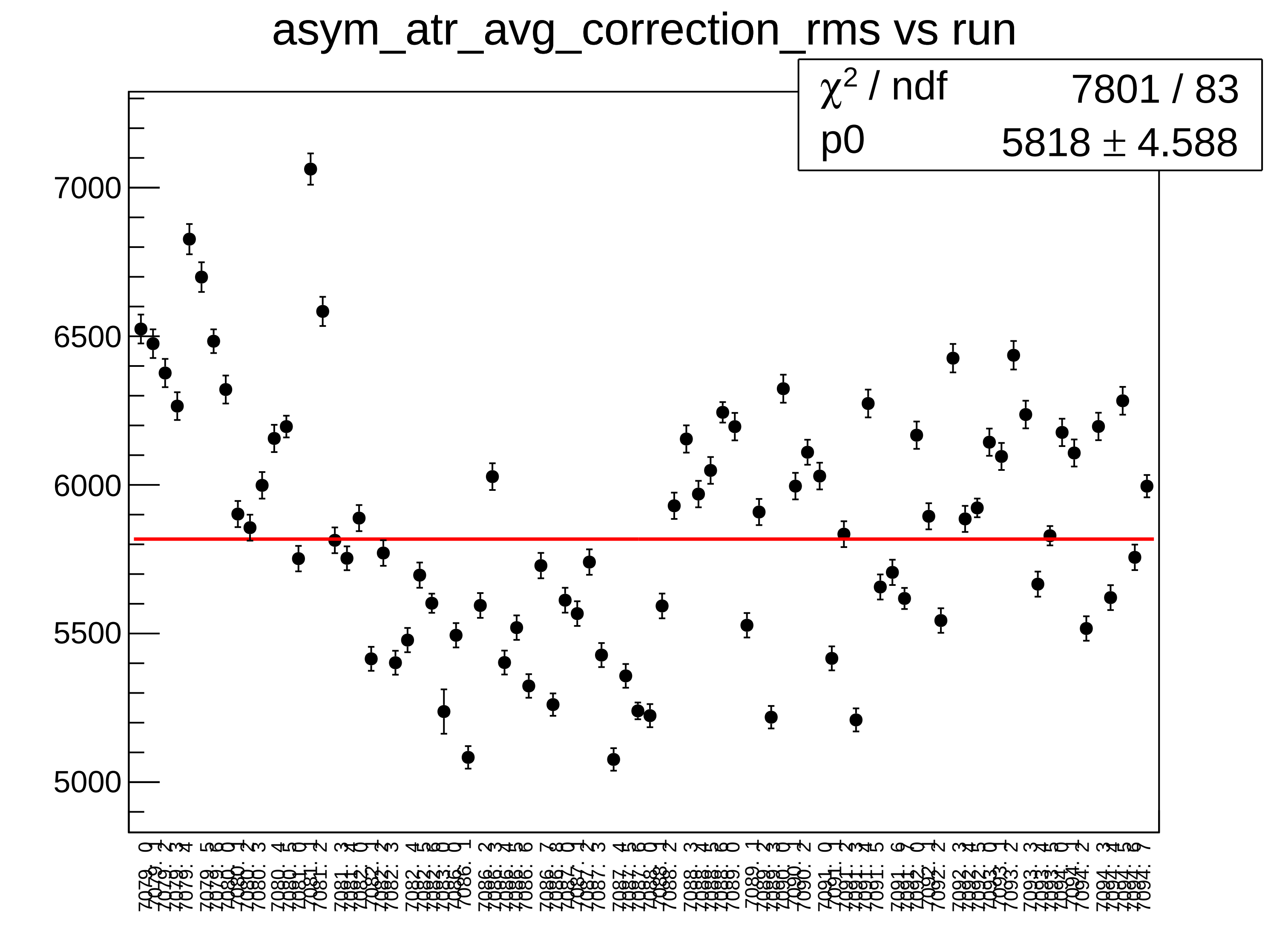
asym_atl_dd_rms vs run
χ^2 / ndf 7703 / 83
p0 6010 ± 4.74
7500
7000
6500
6000
5500

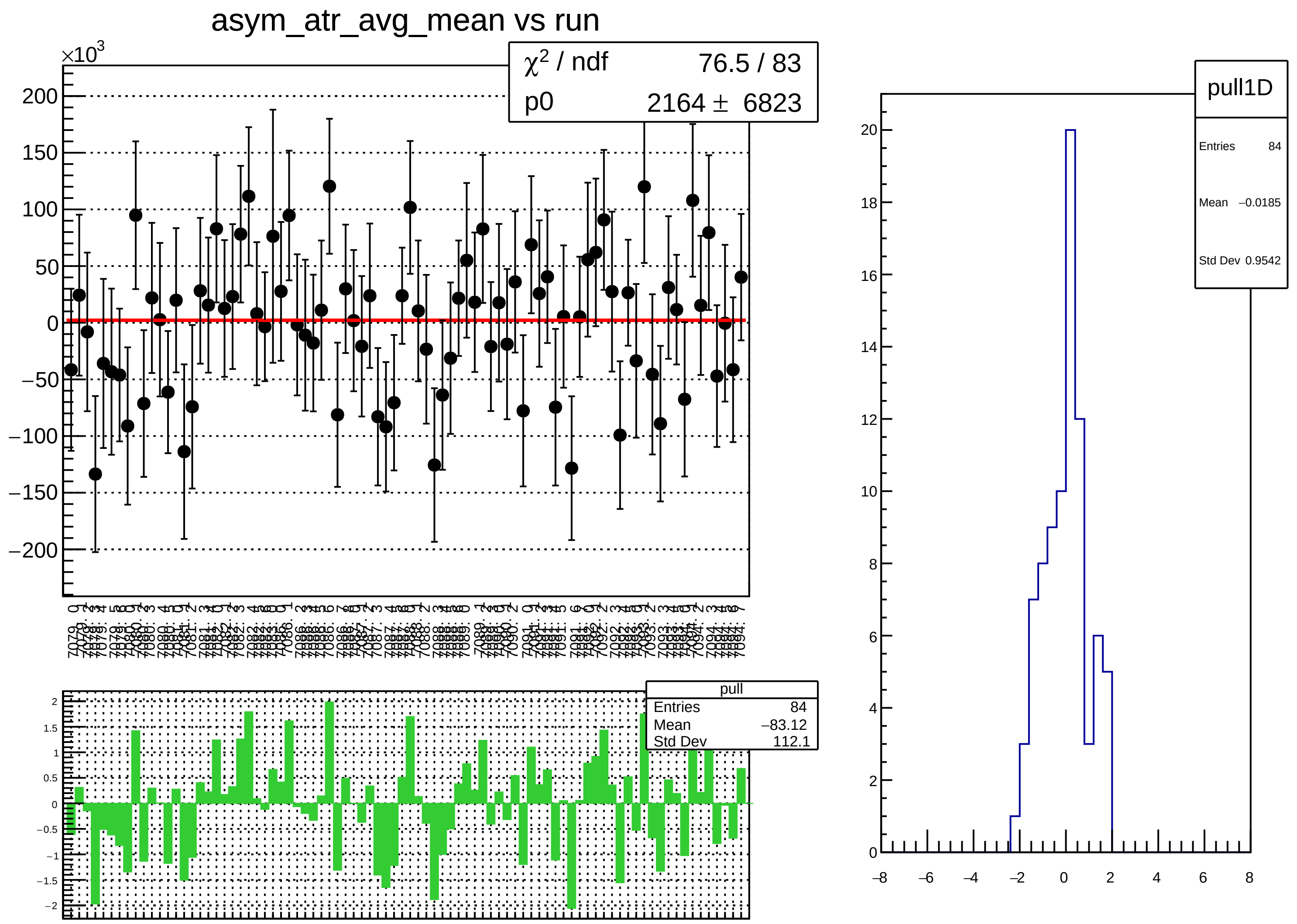

reg_asym_atr_avg_mean vs run
χ2 / ndf 83.93 / 83
p0 −2.377 ± 2090
pull
Entries 84
Mean 1011
Std Dev 1011
pull1D
Entries 84
Mean 0.0004095
Std Dev 0.9996

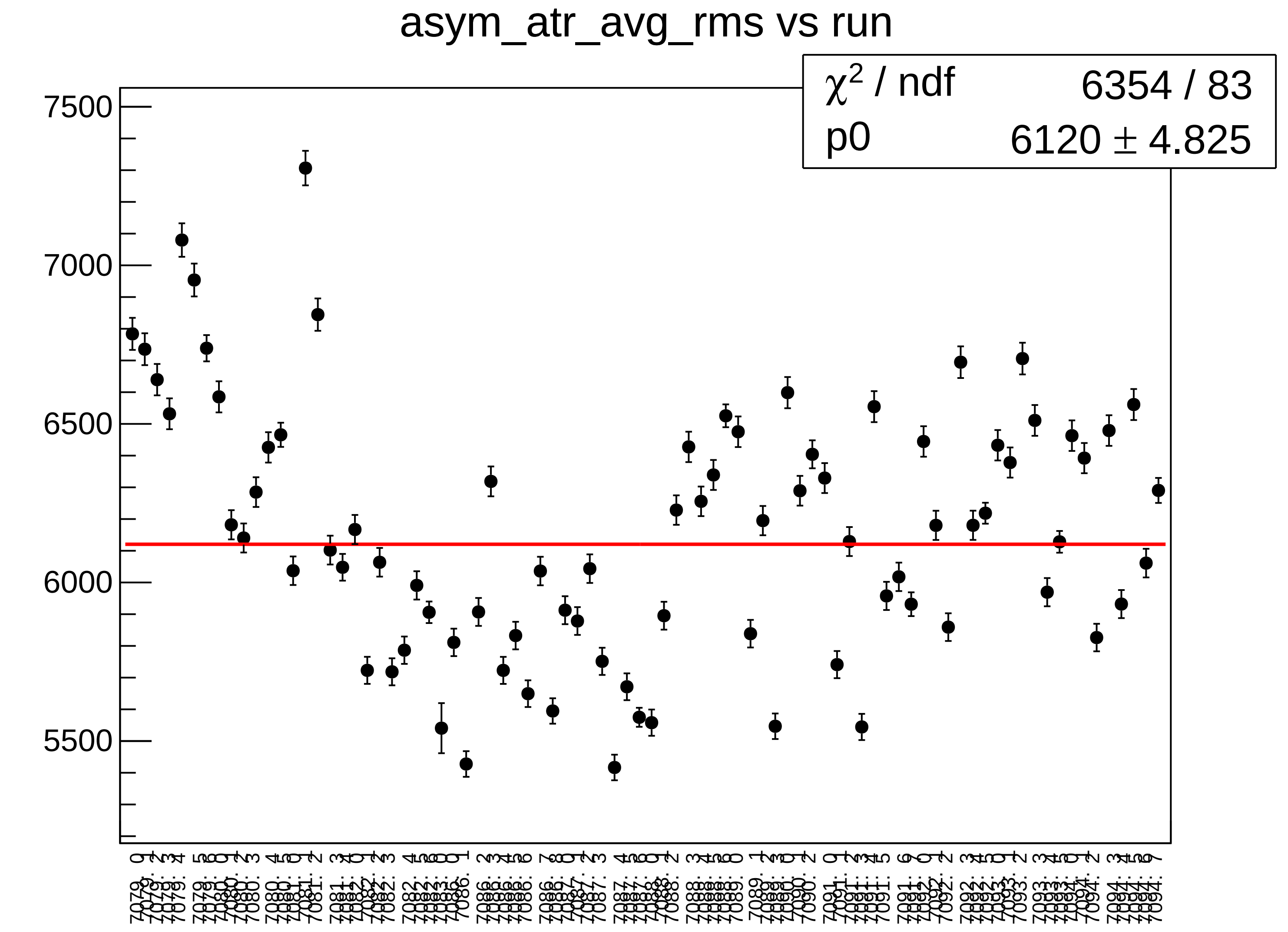


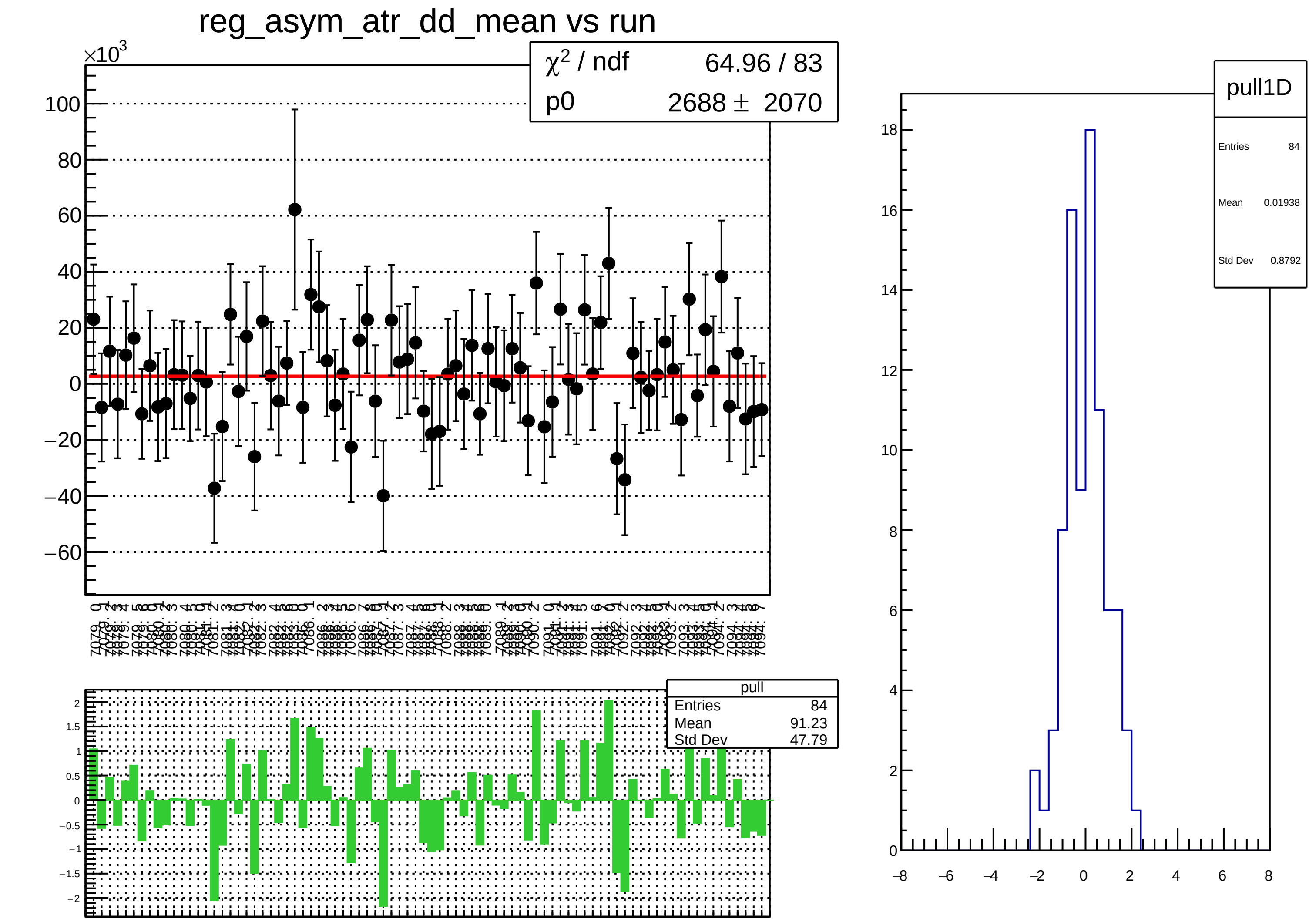
reg_asym_atr_avg_rms vs run
χ^2 / ndf 215.3 / 83
p0 1879 ± 1.478
1940
1920
1900
1880
1860
1840
1820
1800
1780

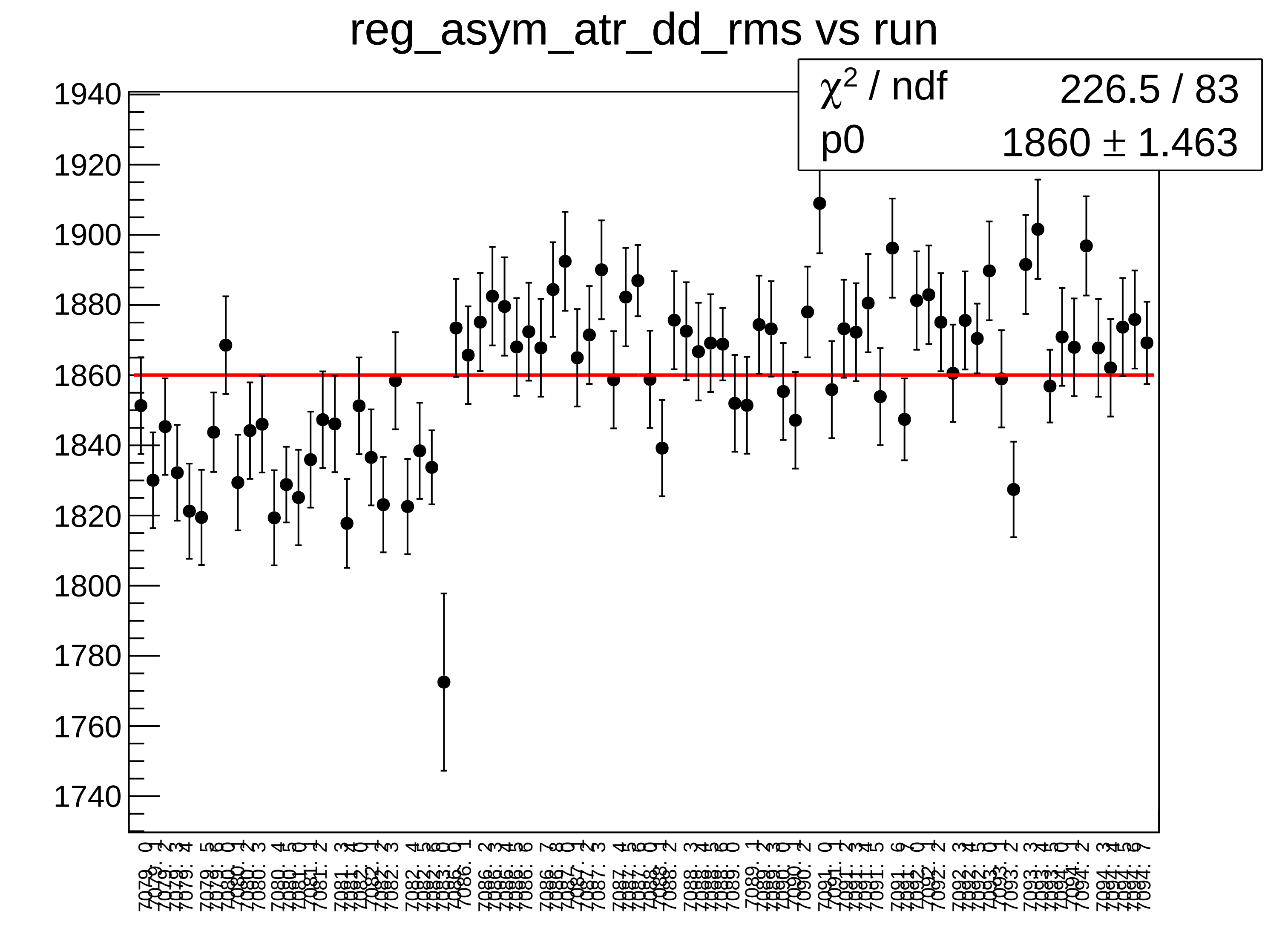

asym_atr_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 82.47 / 83
p0 −2221 ± 6488
pull
Entries 84
Mean −69.79
Std Dev 100
pull1D
Entries 84
Mean 0.02037
Std Dev 0.9906


asym_atr_avg_correction_rms vs run
χ^2 / ndf 7801 / 83
p0 5818 ± 4.588
7000
6500
6000
5500
5000

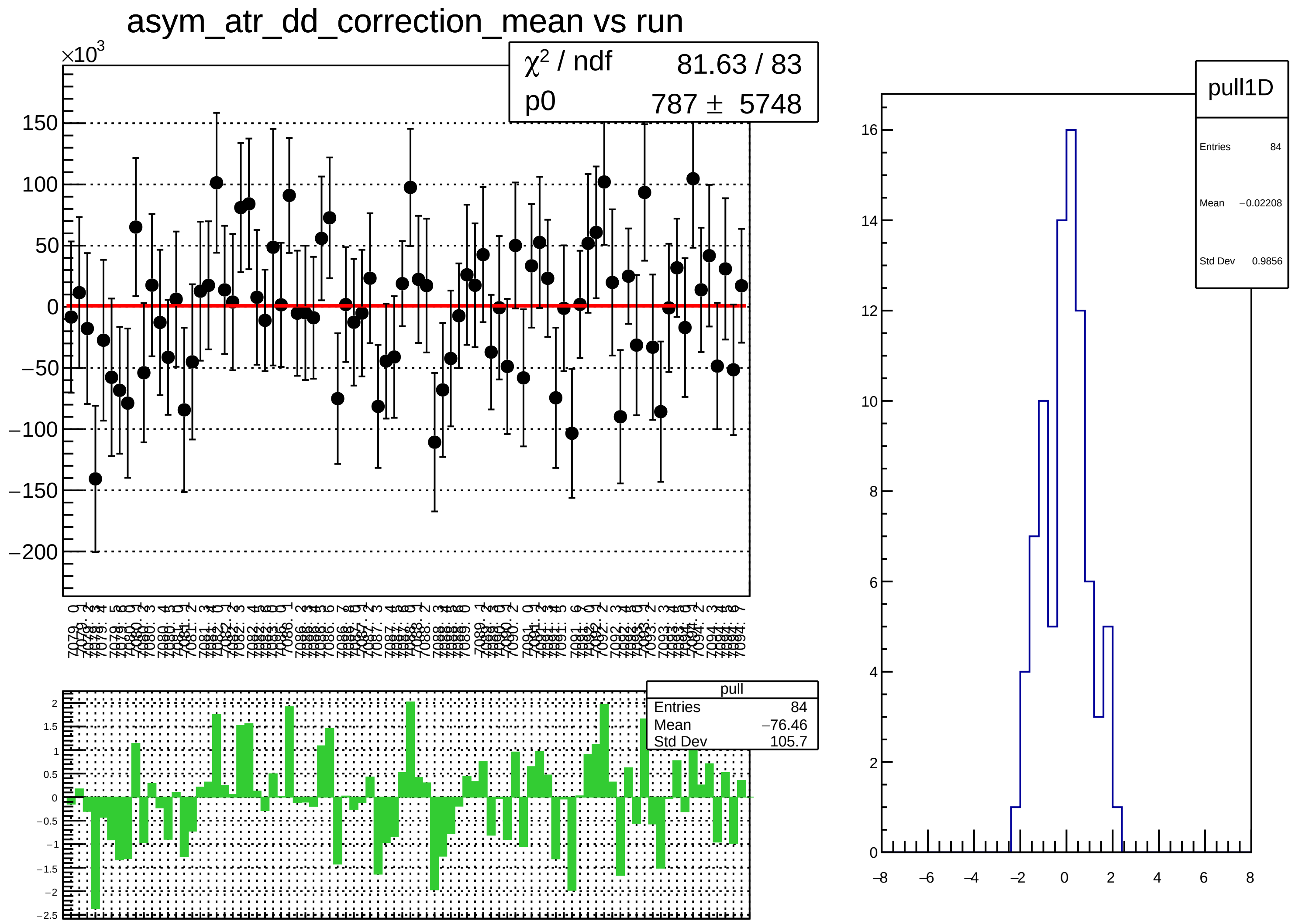

asym_atr_avg_mean vs run
χ^2 / ndf 76.5 / 83
p0 2164 ± 6823
pull
Entries 84
Mean −83.12
Std Dev 112.1
pull1D
Entries 84
Mean −0.0185
Std Dev 0.9542

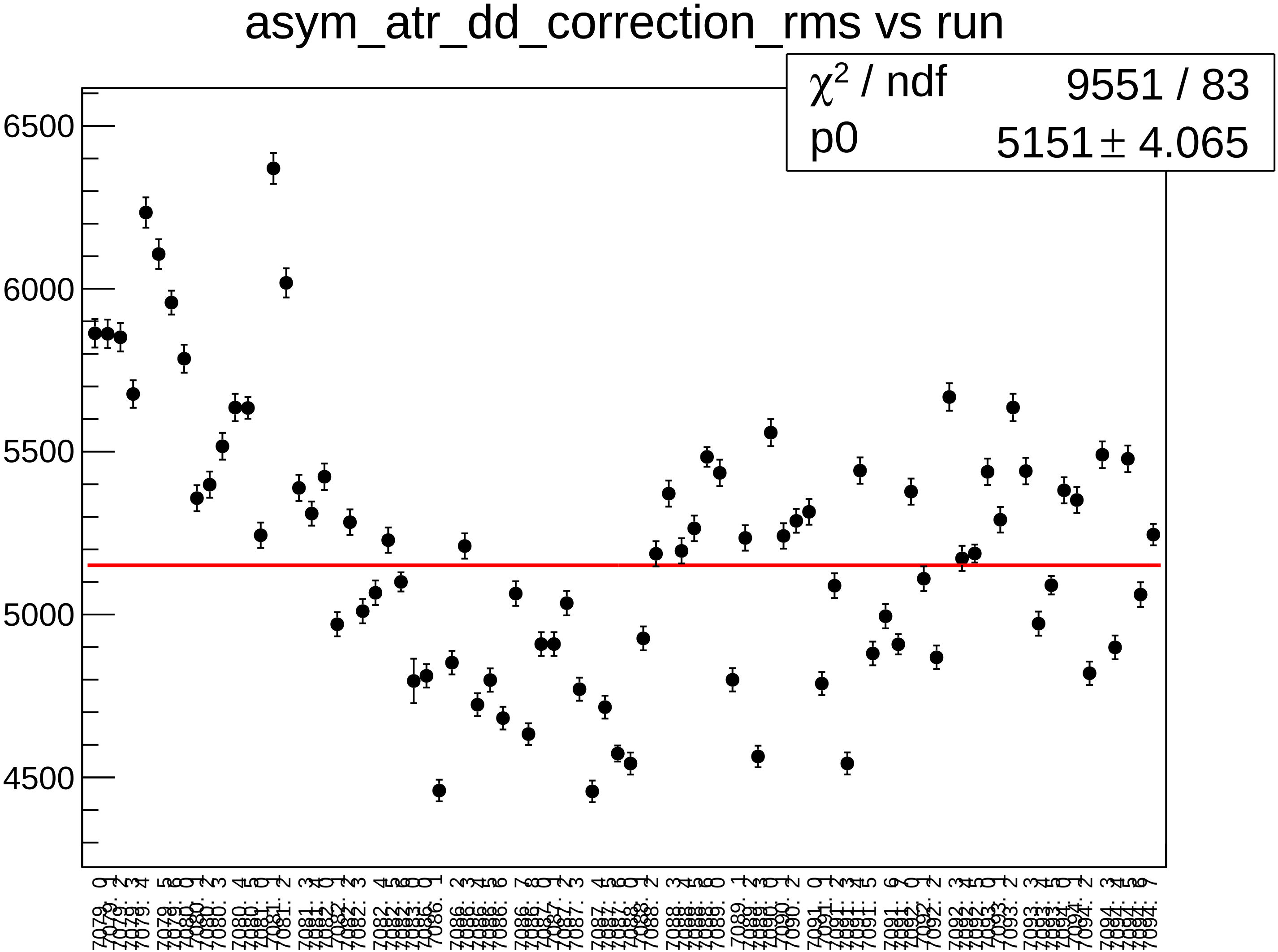

asym_atr_avg_rms vs run
χ^2 / ndf 6354 / 83
p0 6120 ± 4.825
7500
7000
6500
6000
5500


reg_asym_atr_dd_mean vs run
χ^2 / ndf 64.96 / 83
p0 2688 ± 2070
pull
Entries 84
Mean 91.23
Std Dev 47.79
pull1D
Entries 84
Mean 0.01938
Std Dev 0.8792

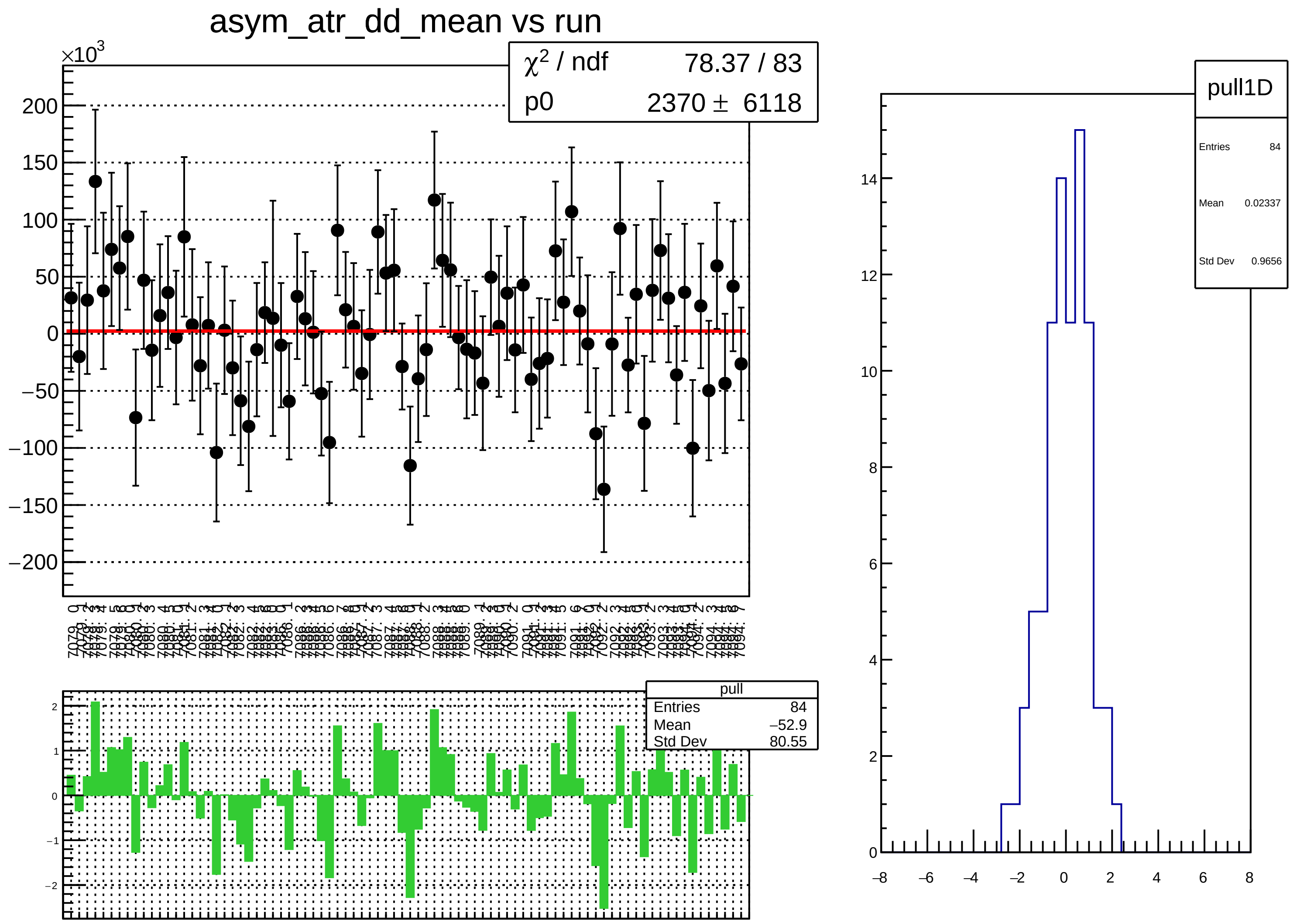


reg_asym_atr_dd_rms vs run
χ2 / ndf 226.5 / 83
p0 1860 ± 1.463
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740

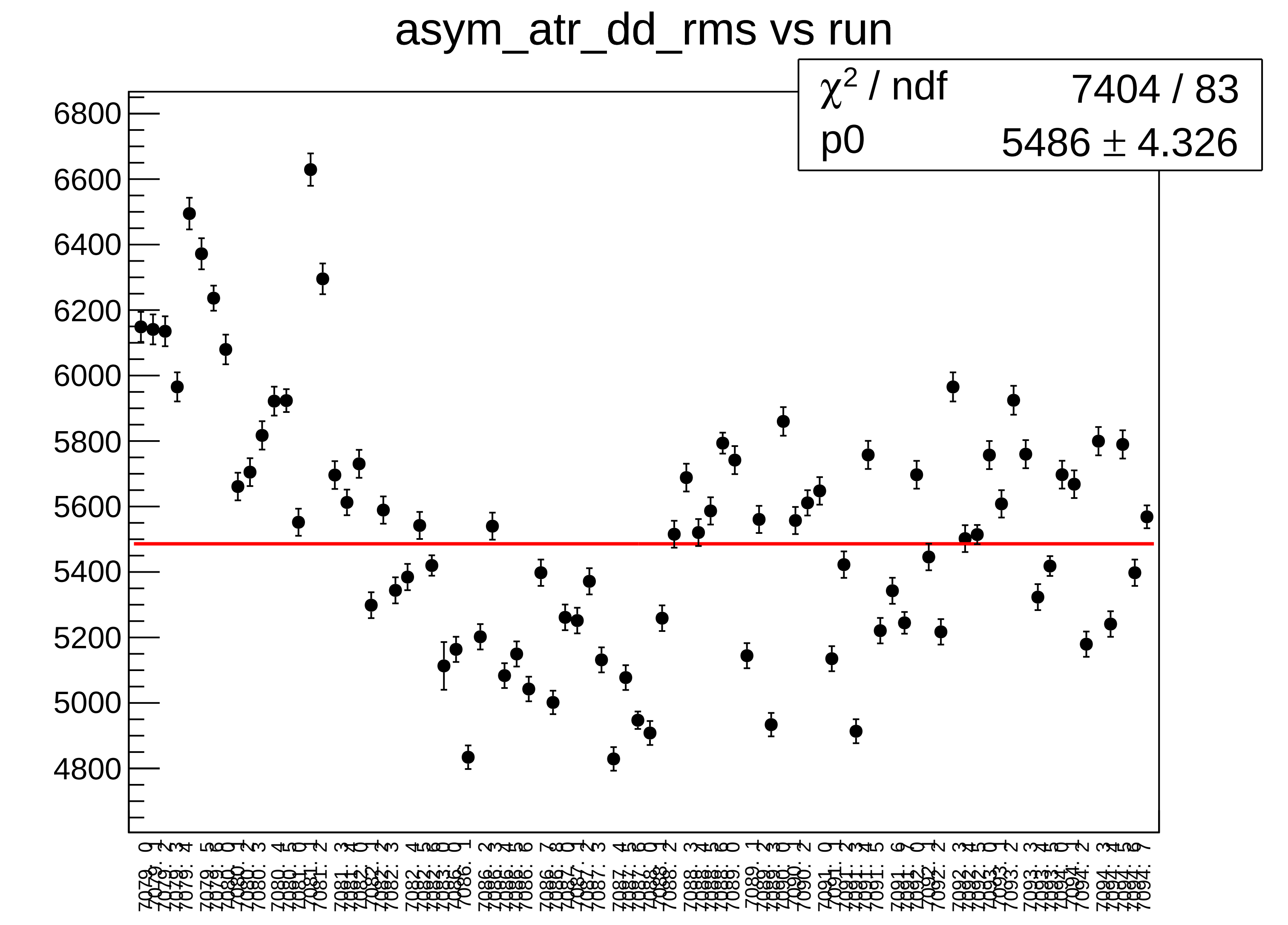

asym_atr_dd_correction_mean vs run
×10^3
χ2 / ndf 81.63 / 83
p0 787 ± 5748
pull
Entries 84
Mean −76.46
Std Dev 105.7
pull1D
Entries 84
Mean −0.02208
Std Dev 0.9856



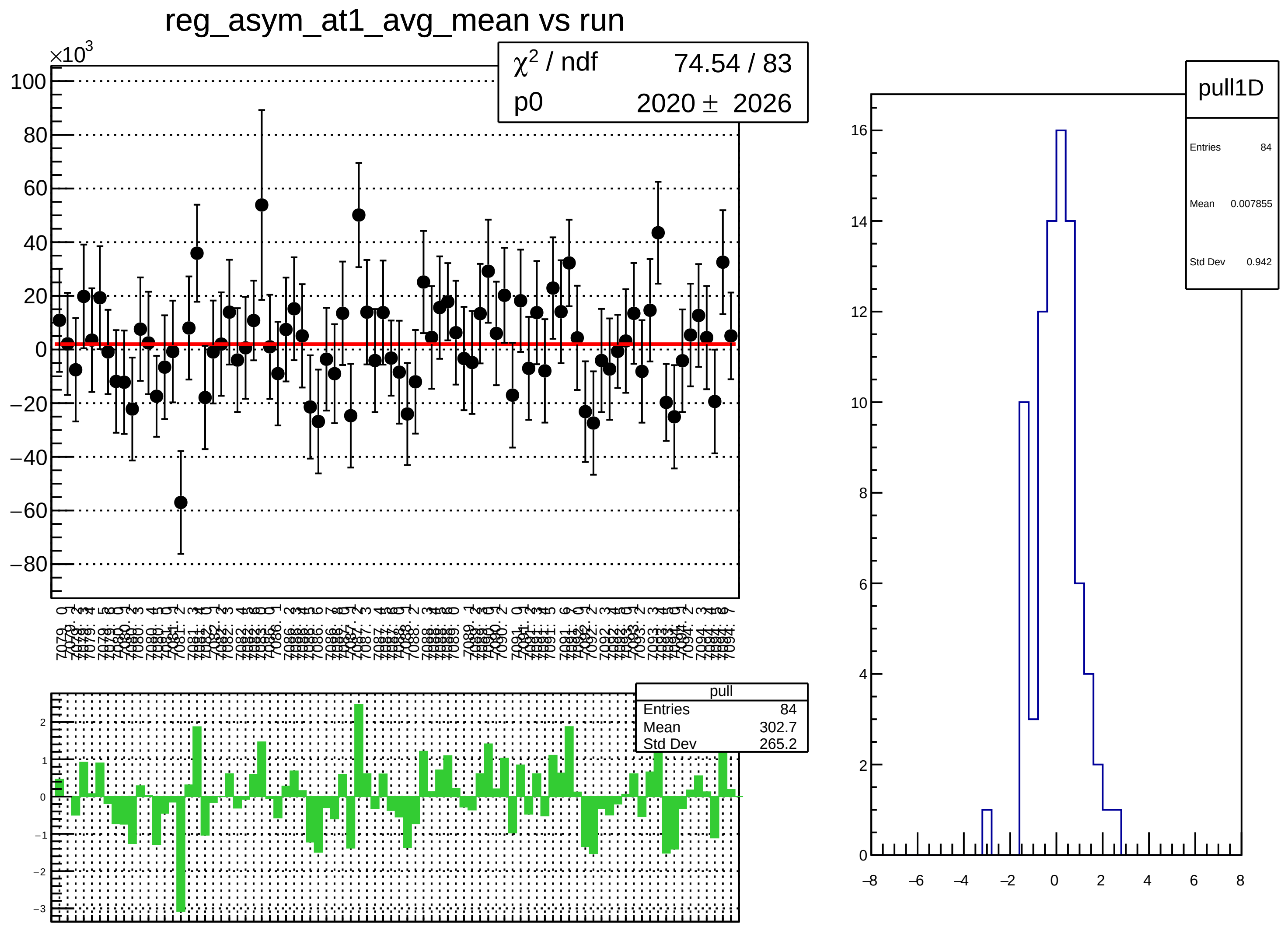
asym_atr_dd_correction_rms vs run
χ^2 / ndf 9551 / 83
p0 5151 ± 4.065
6500
6000
5500
5000
4500



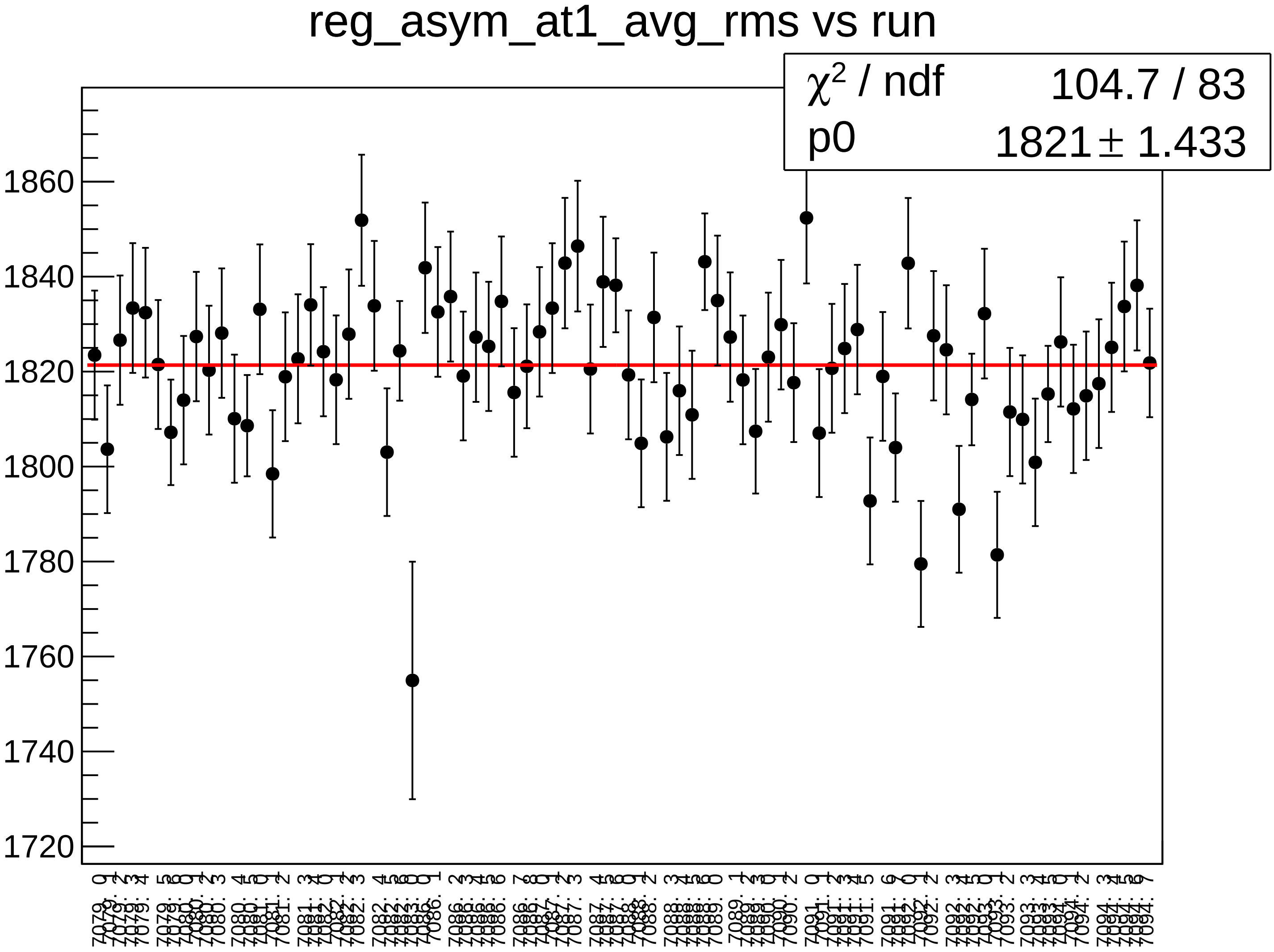
asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 78.37 / 83
p0 2370 ± 6118
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −52.9
Std Dev 80.55
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.02337
Std Dev 0.9656
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

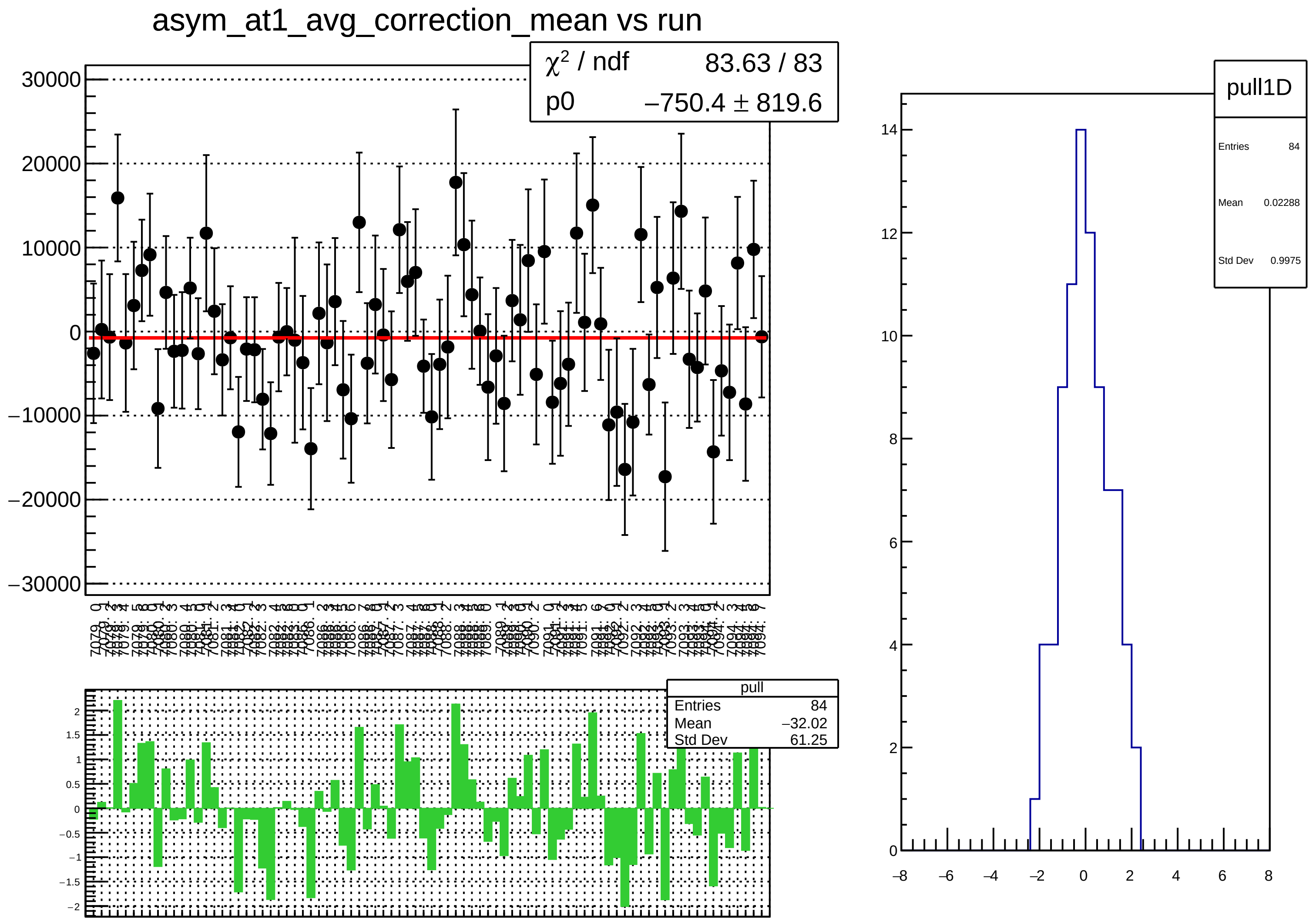


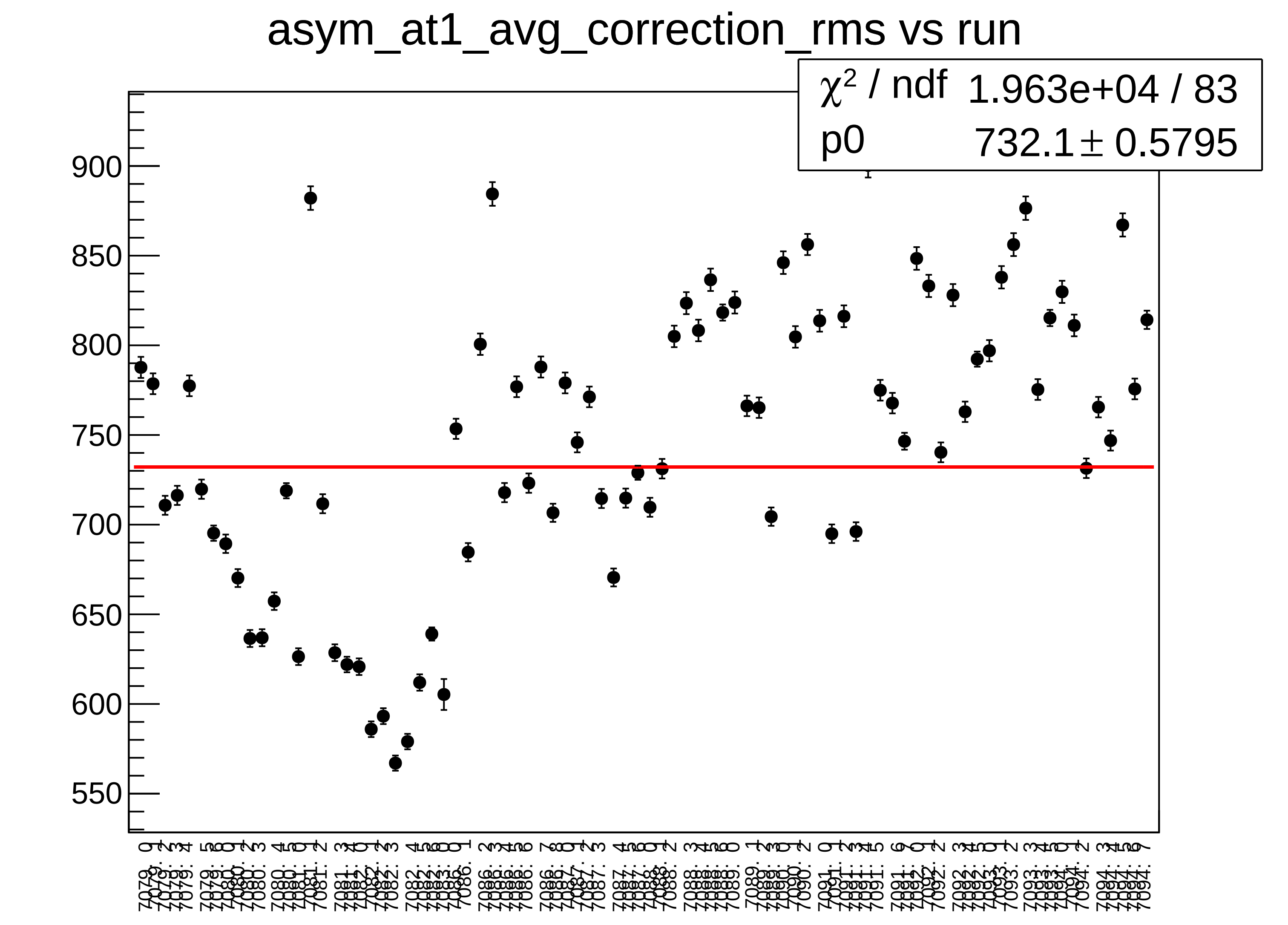
asym_atr_dd_rms vs run
χ^2 / ndf 7404 / 83
p0 5486 ± 4.326
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800



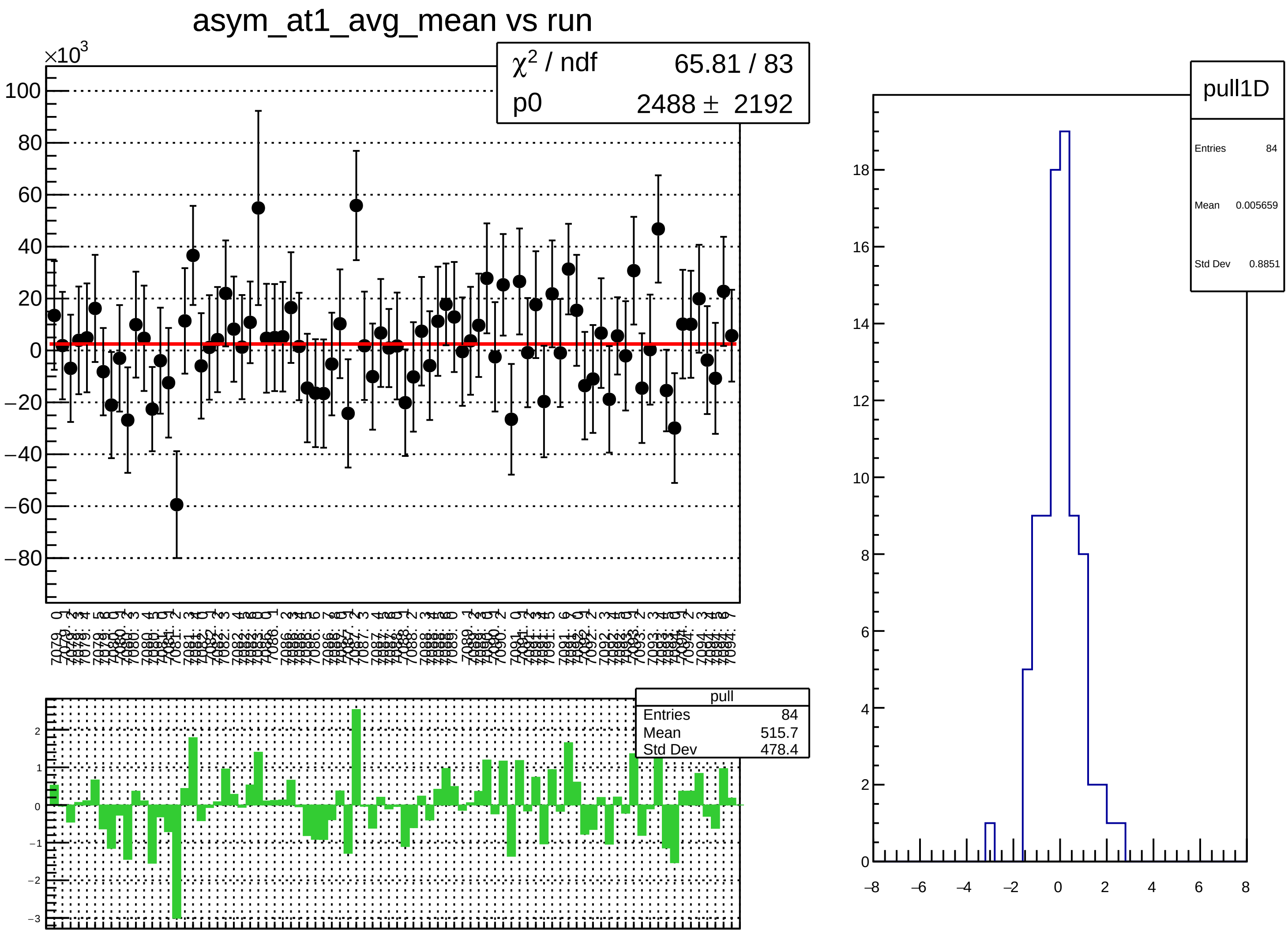
reg_asym_at1_avg_mean vs run
$\times10^3$
χ^2 / ndf 74.54 / 83
p0 2020 ± 2026
pull
Entries 84
Mean 302.7
Std Dev 265.2
pull1D
Entries 84
Mean 0.007855
Std Dev 0.942


reg_asym_at1_avg_rms vs run
χ^2 / ndf 104.7 / 83
p0 1821 ± 1.433
1860
1840
1820
1800
1780
1760
1740
1720

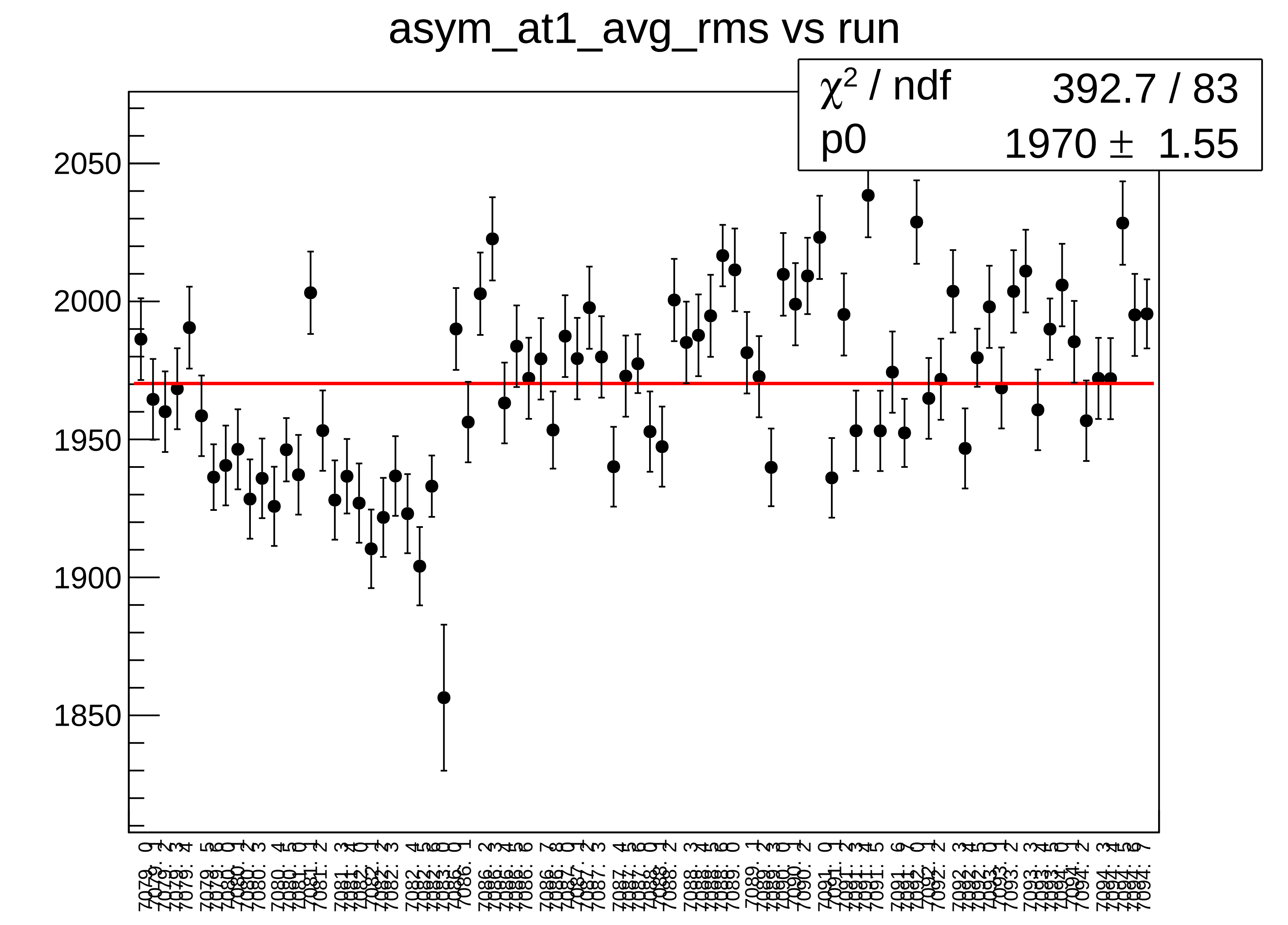

asym_at1_avg_correction_mean vs run
χ2 / ndf 83.63 / 83
p0 −750.4 ± 819.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −32.02
Std Dev 61.25
pull1D
Entries 84
Mean 0.02288
Std Dev 0.9975



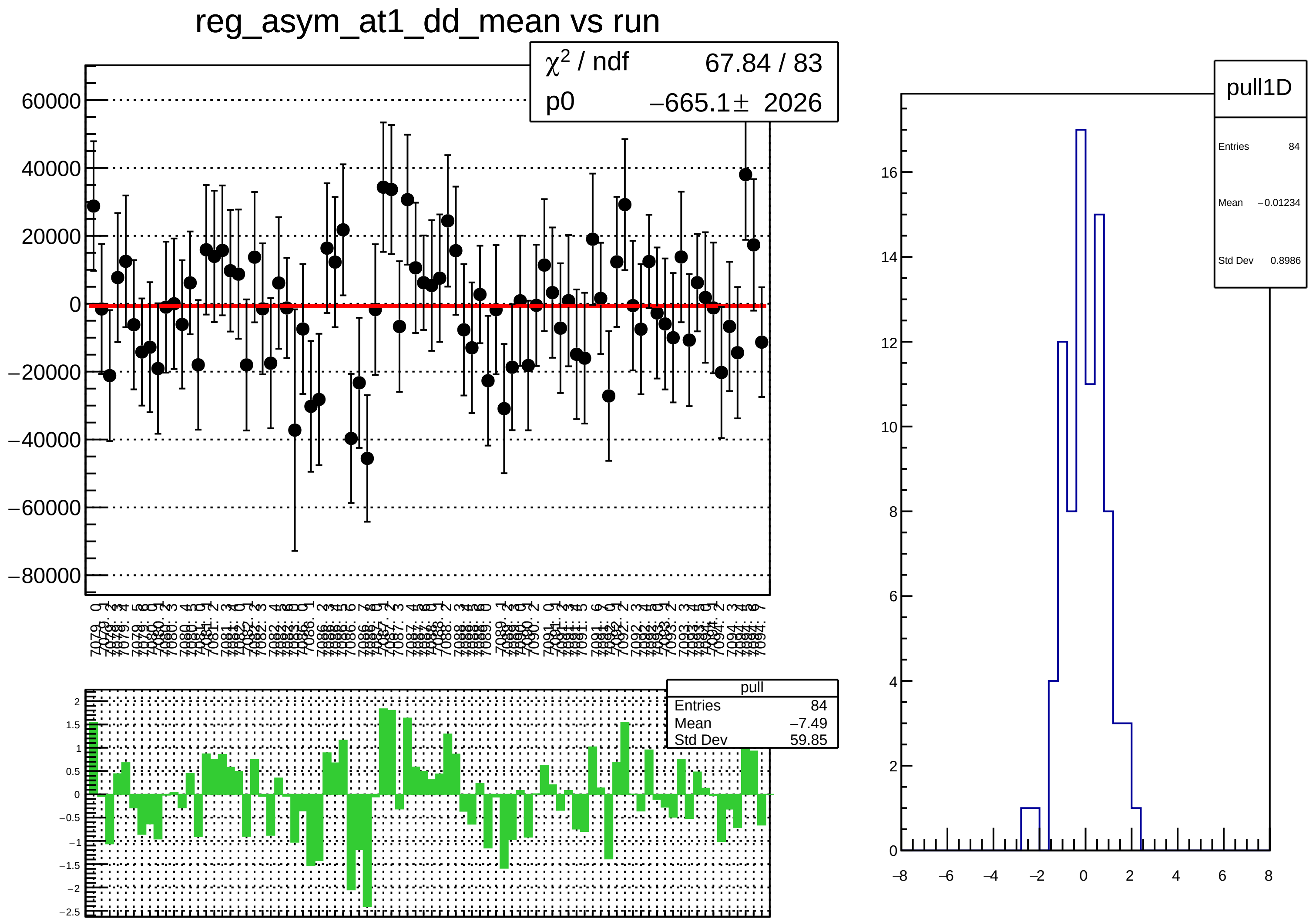
asym_at1_avg_correction_rms vs run
χ^2 / ndf 1.963e+04 / 83
p0 732.1 ± 0.5795
900
850
800
750
700
650
600
550



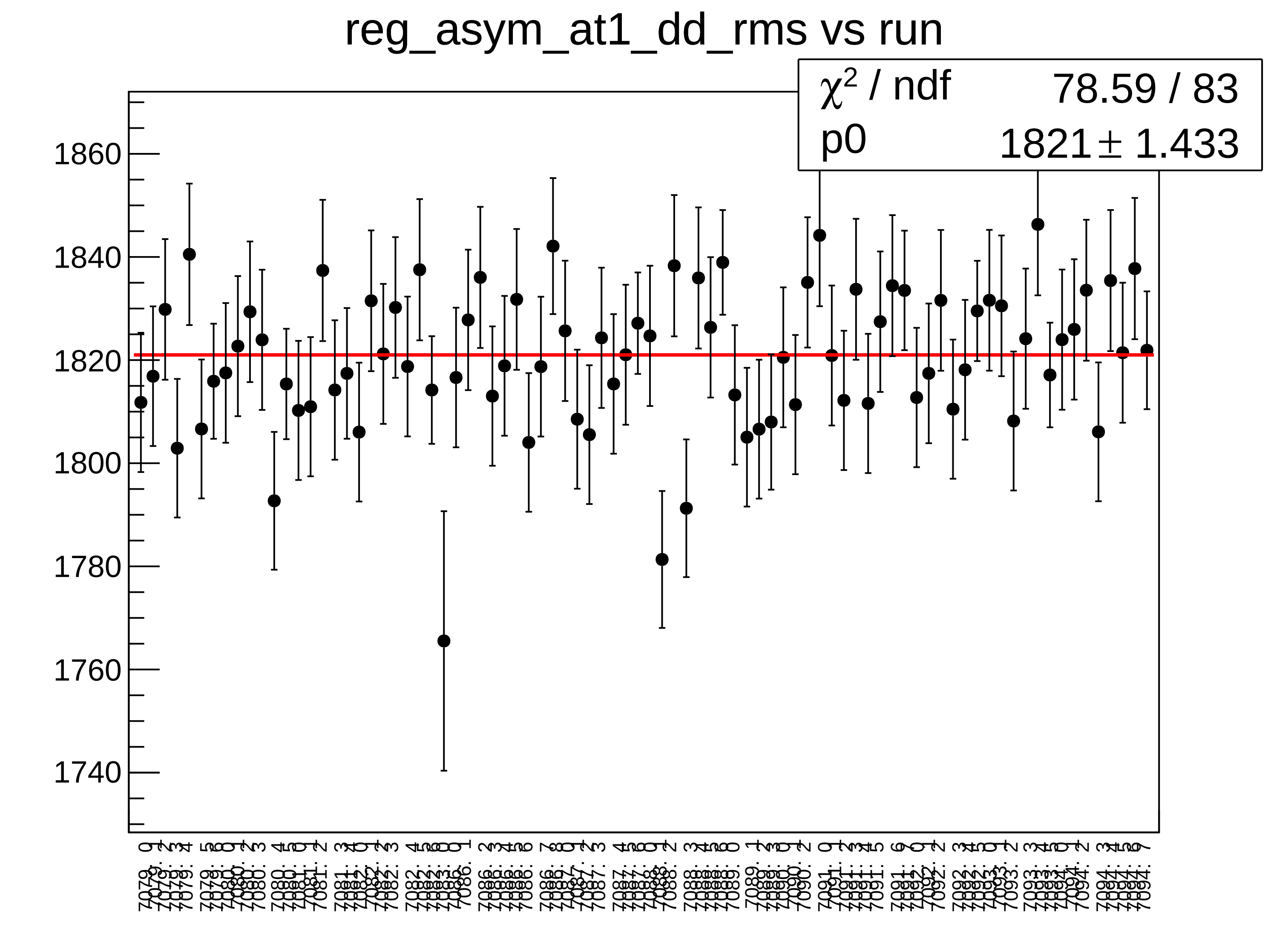
asym_at1_avg_mean vs run
$\times 10^3$
χ^2 / ndf 65.81 / 83
p0 2488 ± 2192
pull
Entries 84
Mean 515.7
Std Dev 478.4
pull1D
Entries 84
Mean 0.005659
Std Dev 0.8851

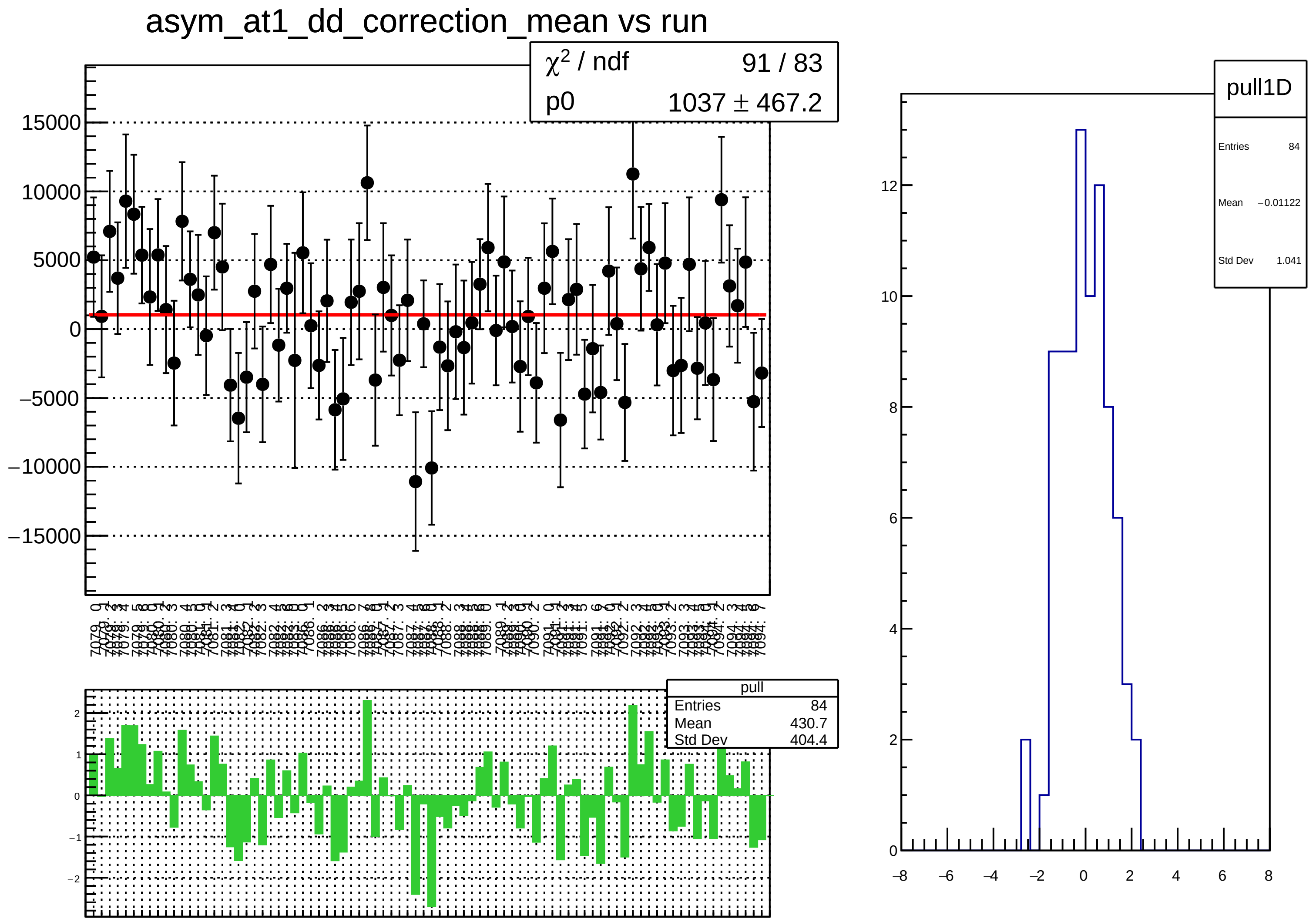


asym_at1_avg_rms vs run
χ^2 / ndf 392.7 / 83
p0 1970 ± 1.55
2050
2000
1950
1900
1850

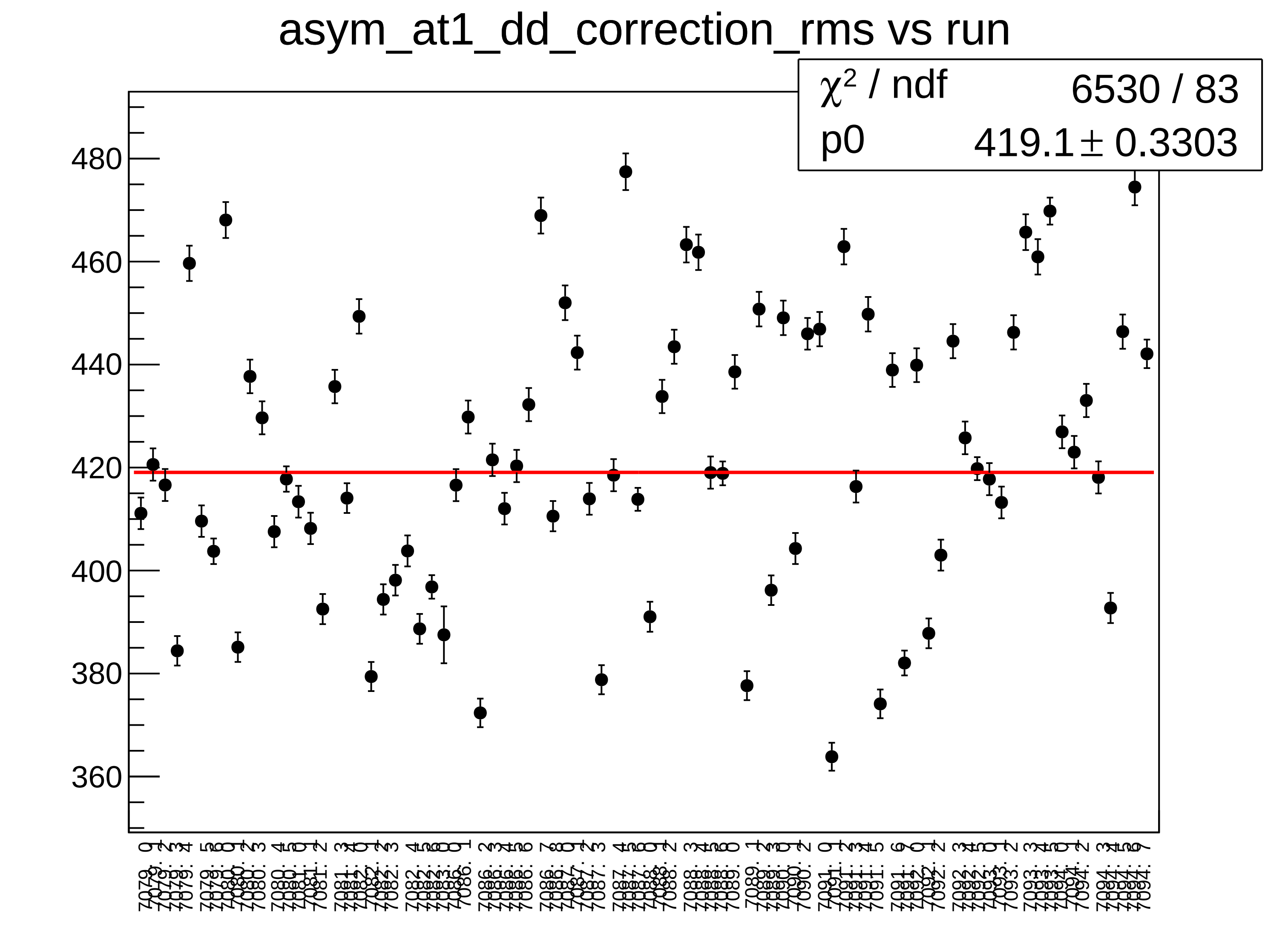


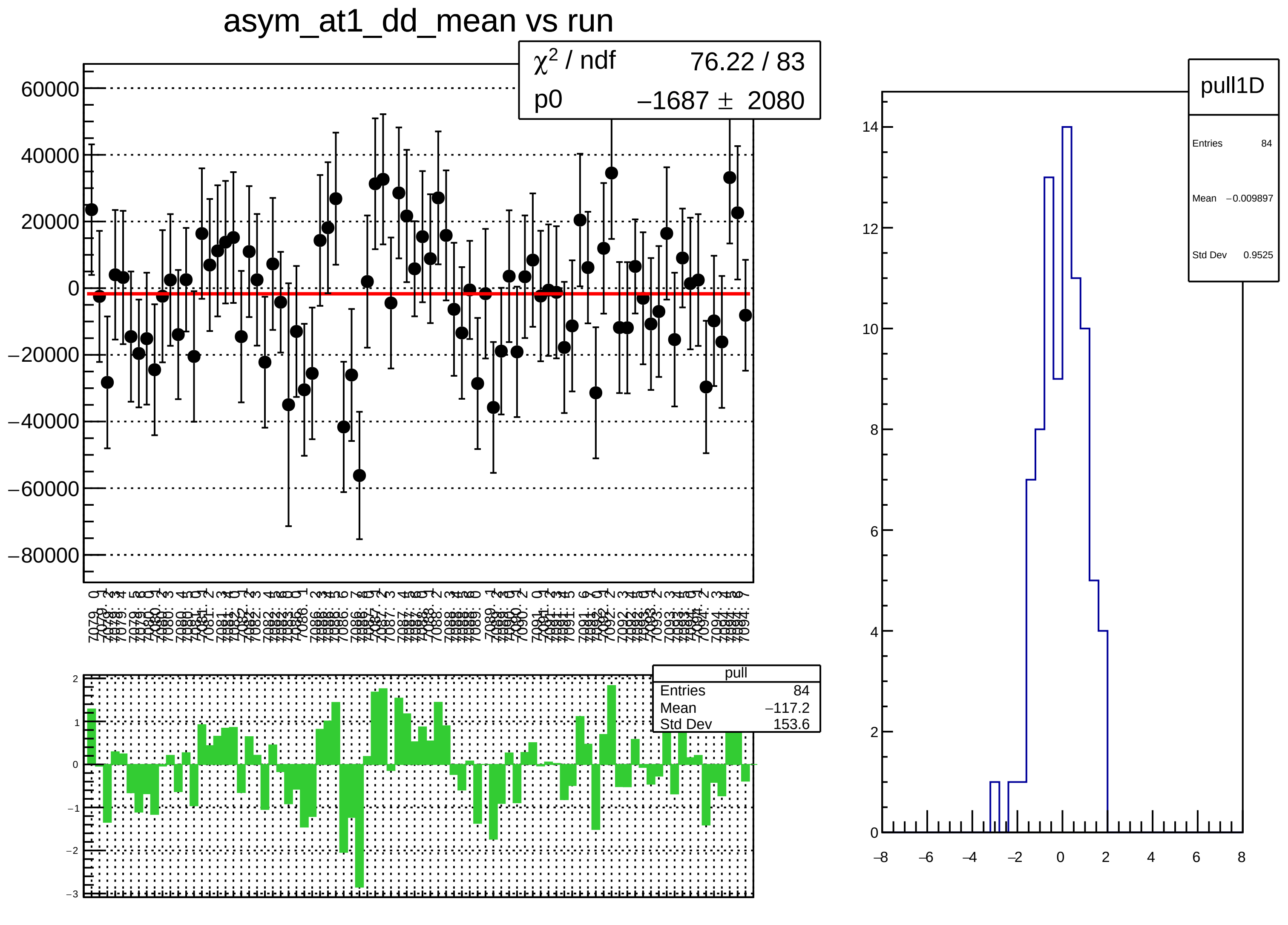
reg_asym_at1_dd_mean vs run
χ^2 / ndf 67.84 / 83
p0 −665.1 ± 2026
pull
Entries 84
Mean −7.49
Std Dev 59.85
pull1D
Entries 84
Mean −0.01234
Std Dev 0.8986

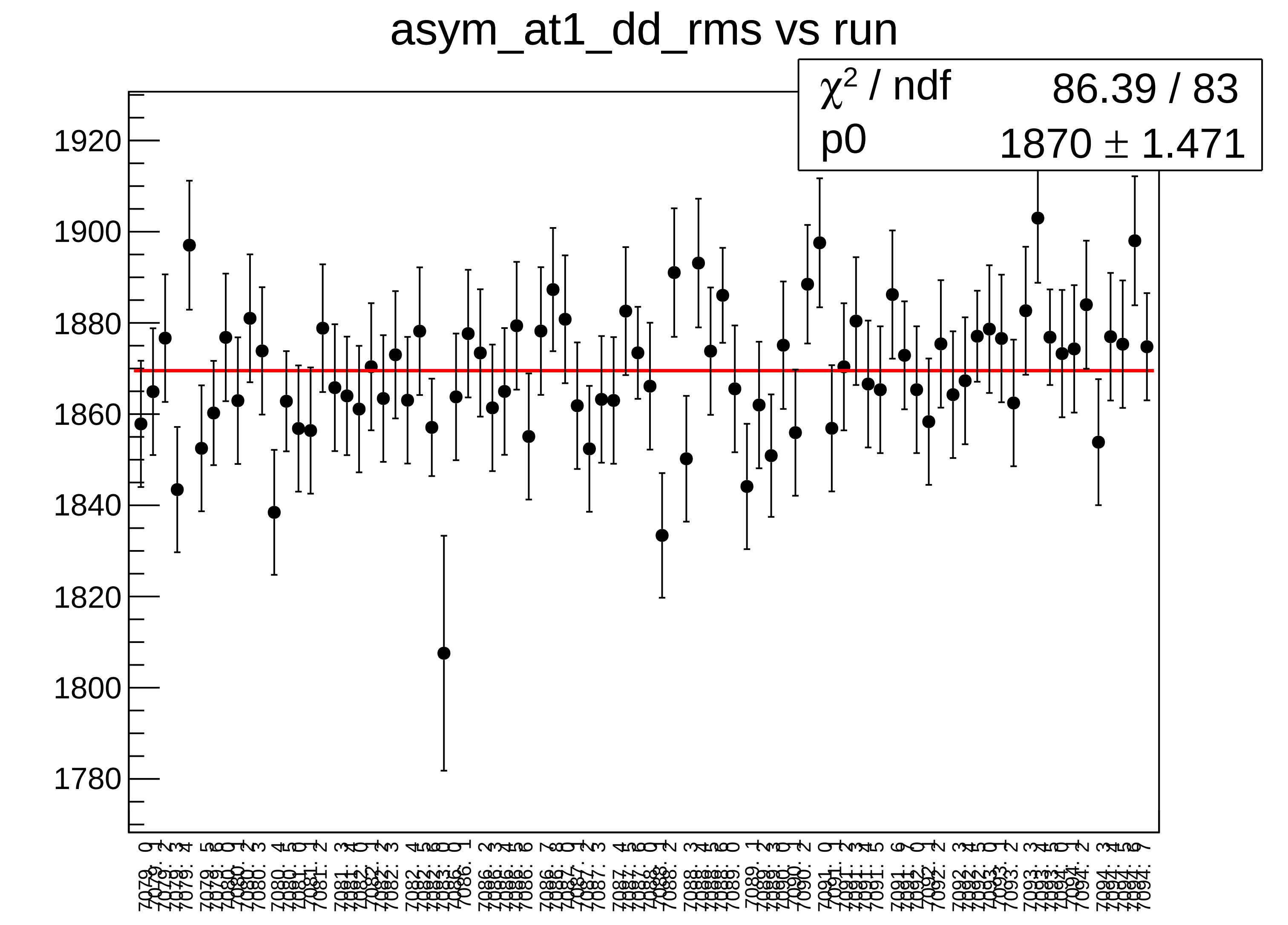

reg_asym_at1_dd_rms vs run
χ2 / ndf 78.59 / 83
p0 1821 ± 1.433
1860
1840
1820
1800
1780
1760
1740



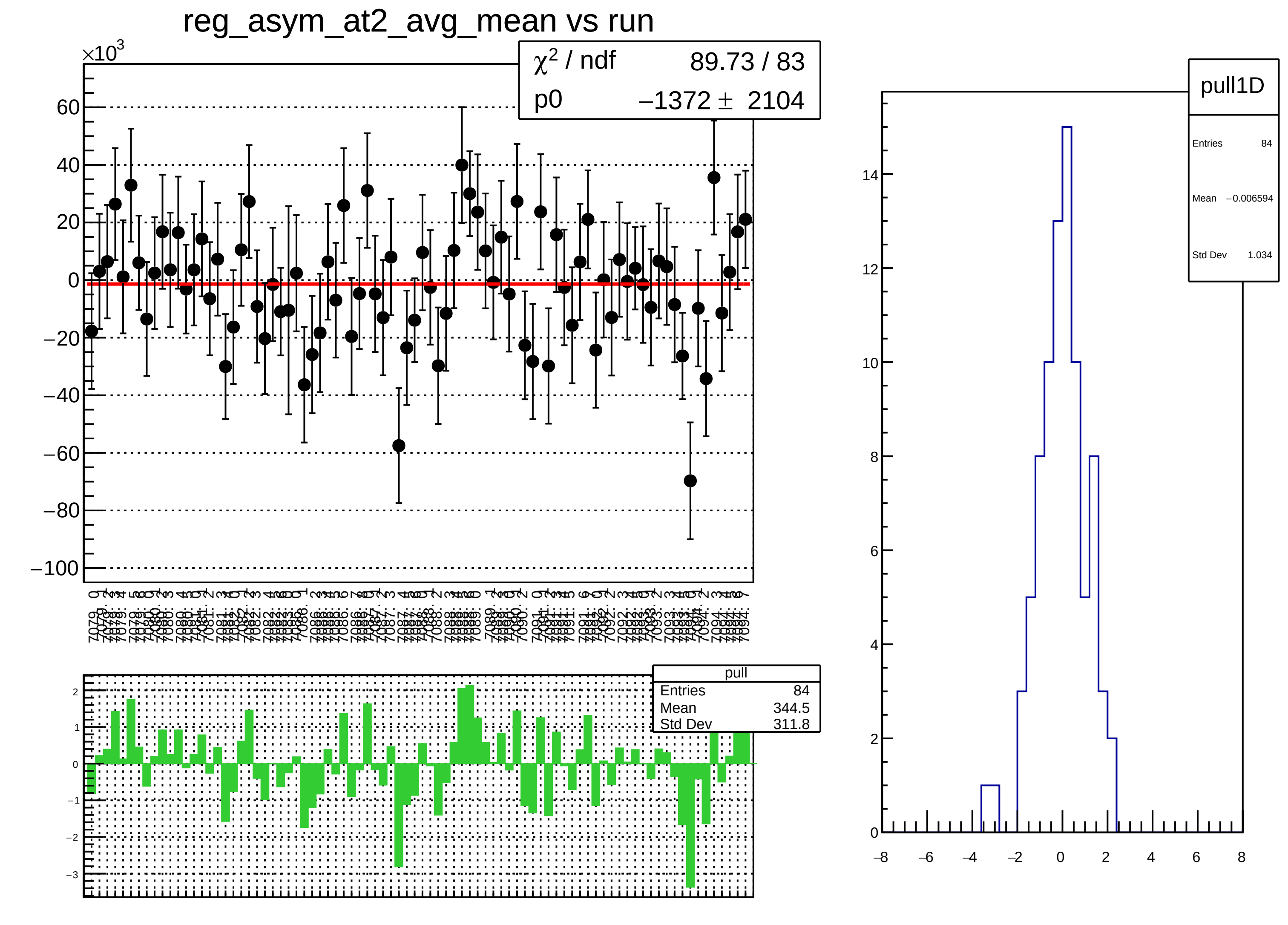
asym_at1_dd_correction_mean vs run
χ^2 / ndf 91 / 83
p0 1037 ± 467.2
pull
Entries 84
Mean 430.7
Std Dev 404.4
pull1D
Entries 84
Mean −0.01122
Std Dev 1.041

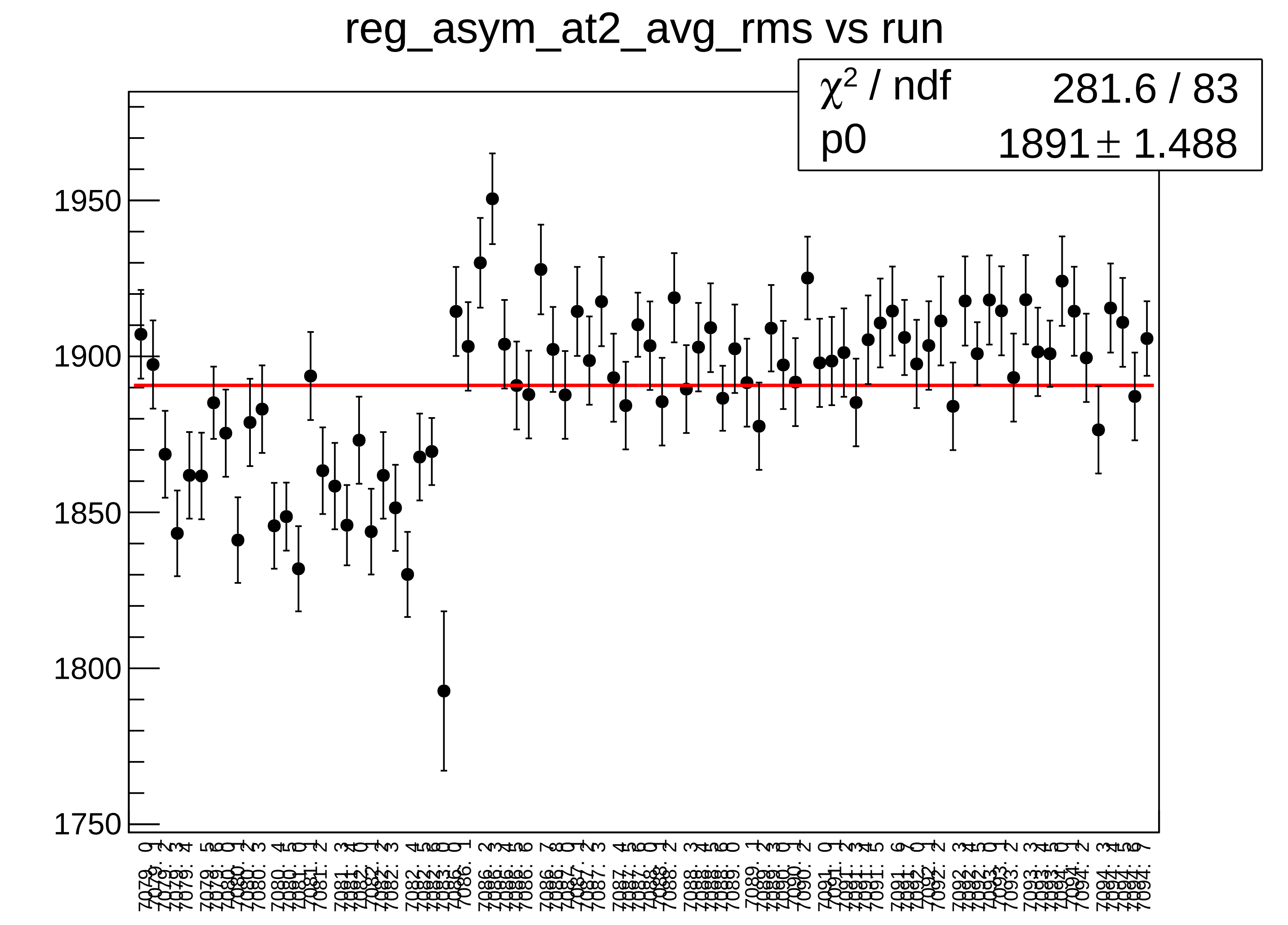

asym_at1_dd_correction_rms vs run
χ^2 / ndf 6530 / 83
p0 419.1 ± 0.3303
480
460
440
420
400
380
360

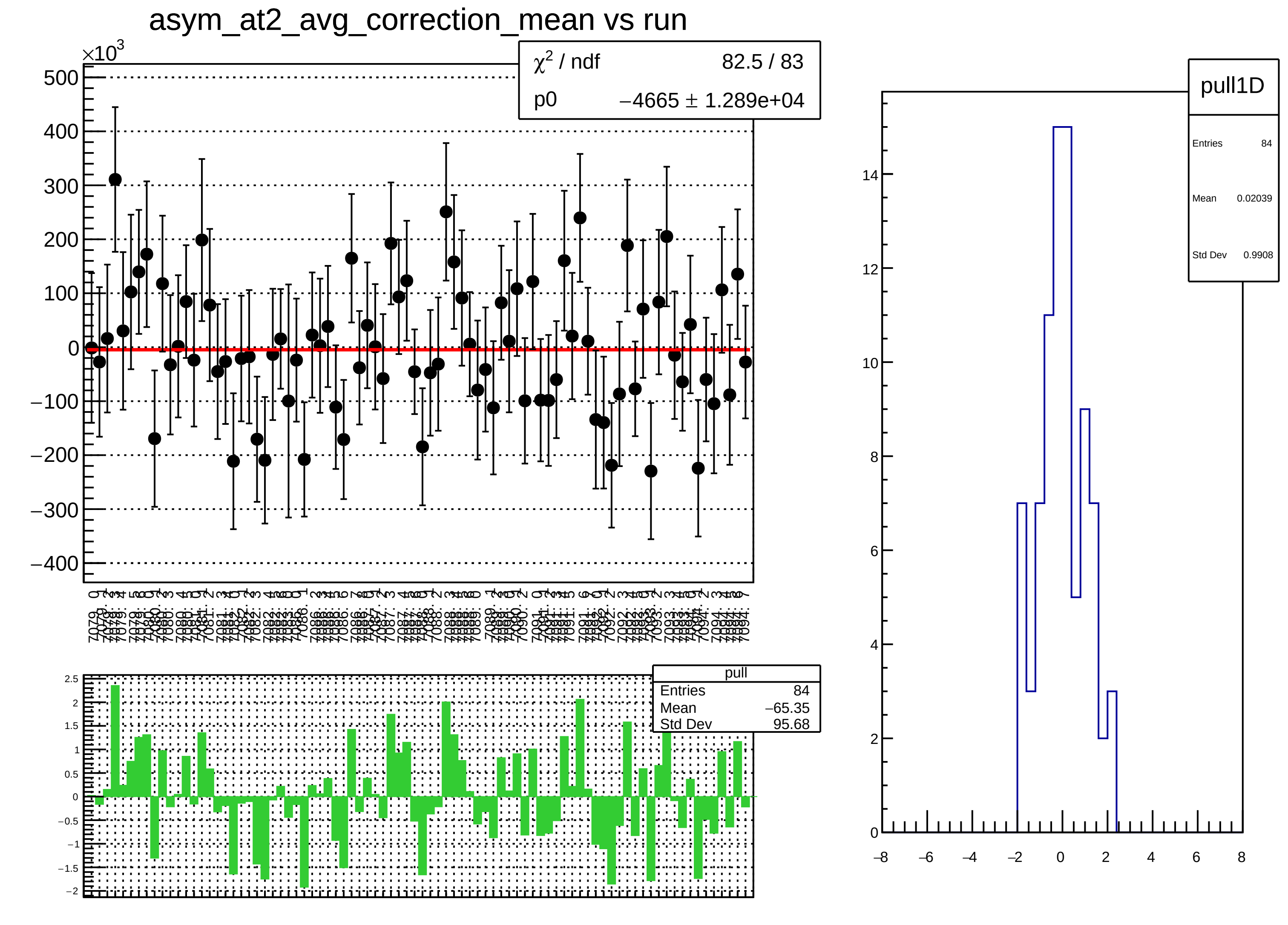

asym_at1_dd_mean vs run
χ^2 / ndf 76.22 / 83
p0 −1687 ± 2080
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean −117.2
Std Dev 153.6
pull1D
Entries 84
Mean −0.009897
Std Dev 0.9525



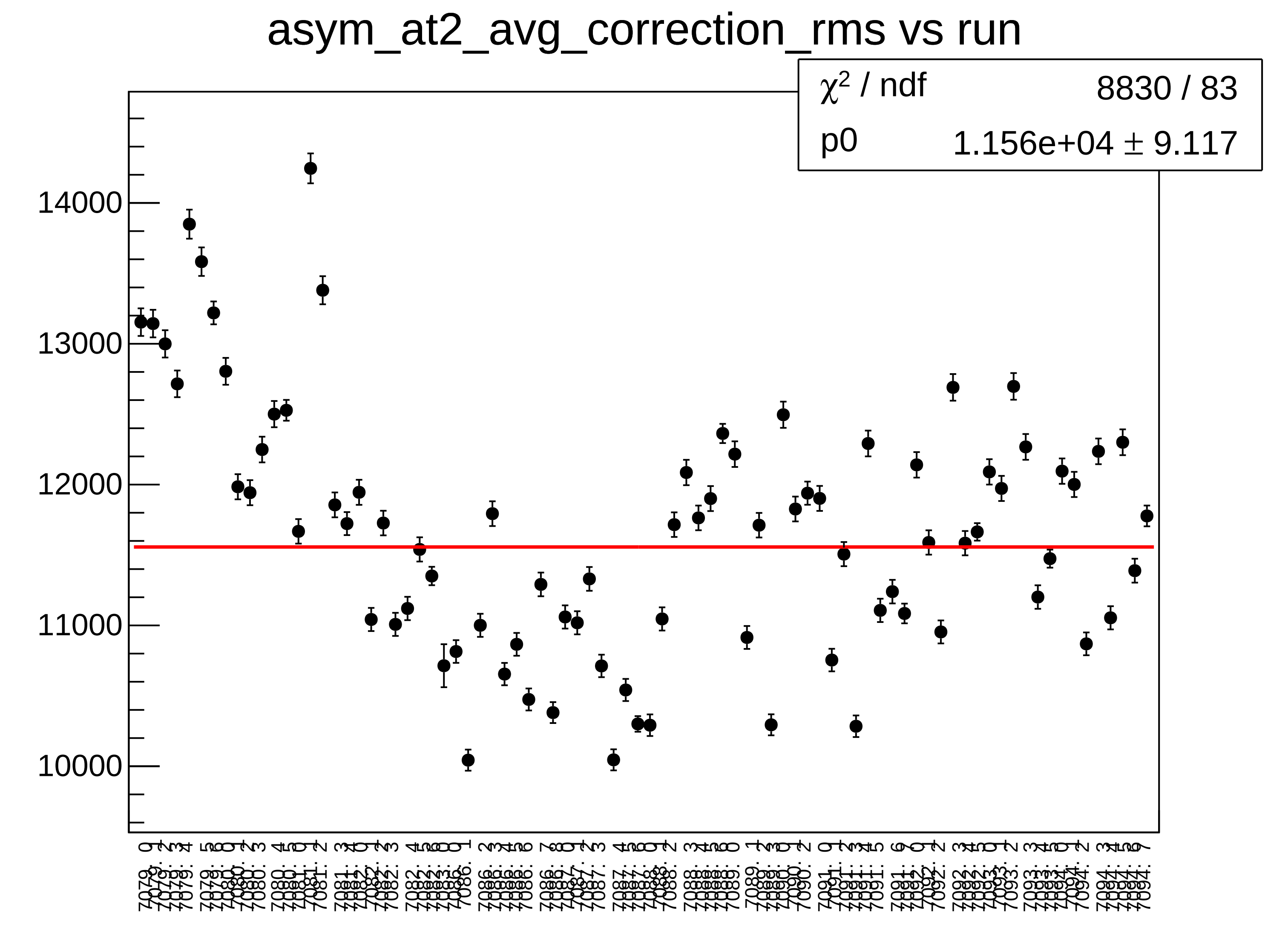
asym_at1_dd_rms vs run
χ2 / ndf 86.39 / 83
p0 1870 ± 1.471

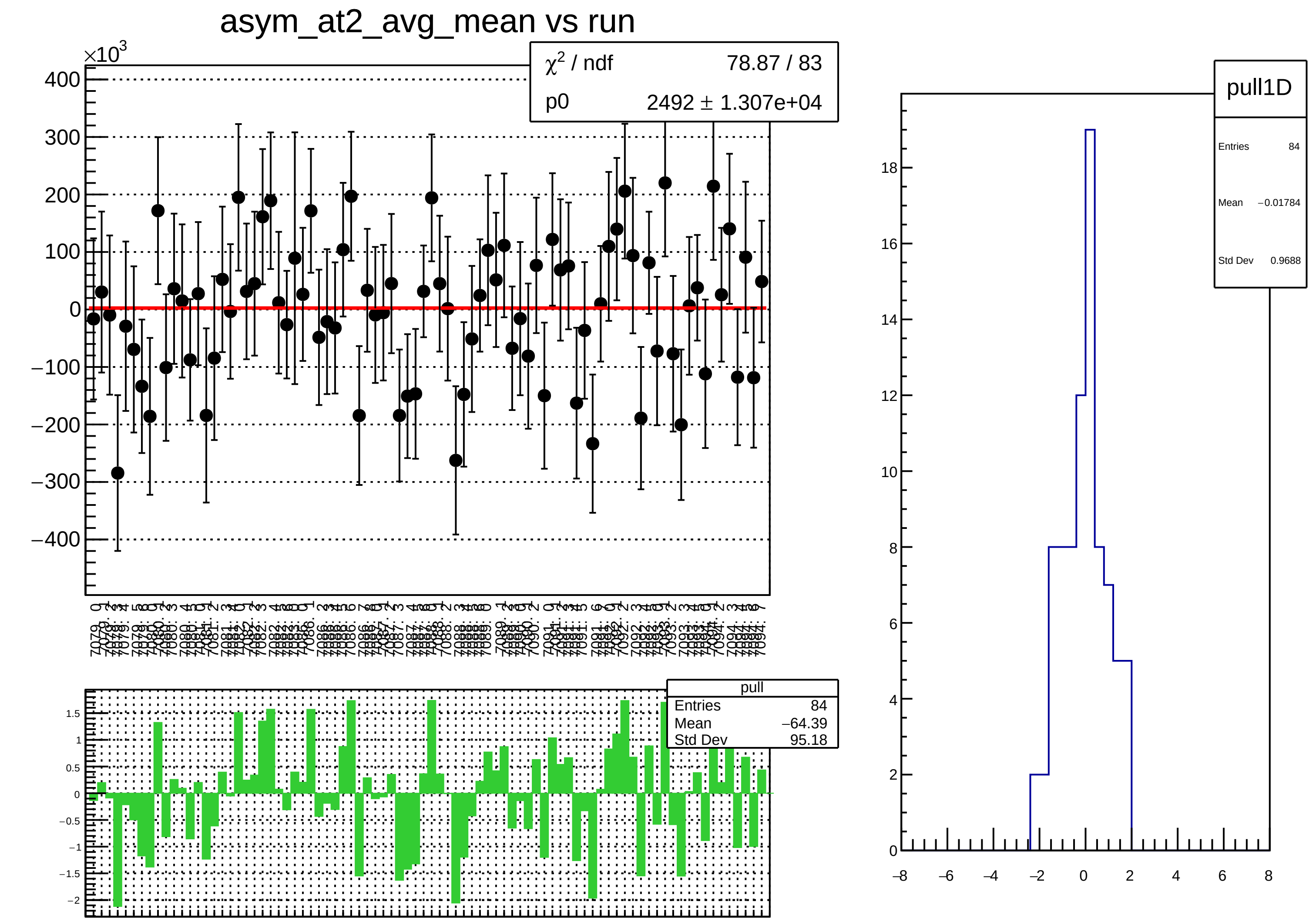

reg_asym_at2_avg_mean vs run
$\times10^3$
χ^2 / ndf 89.73 / 83
p0 −1372 ± 2104
pull
Entries 84
Mean 344.5
Std Dev 311.8
pull1D
Entries 84
Mean −0.006594
Std Dev 1.034

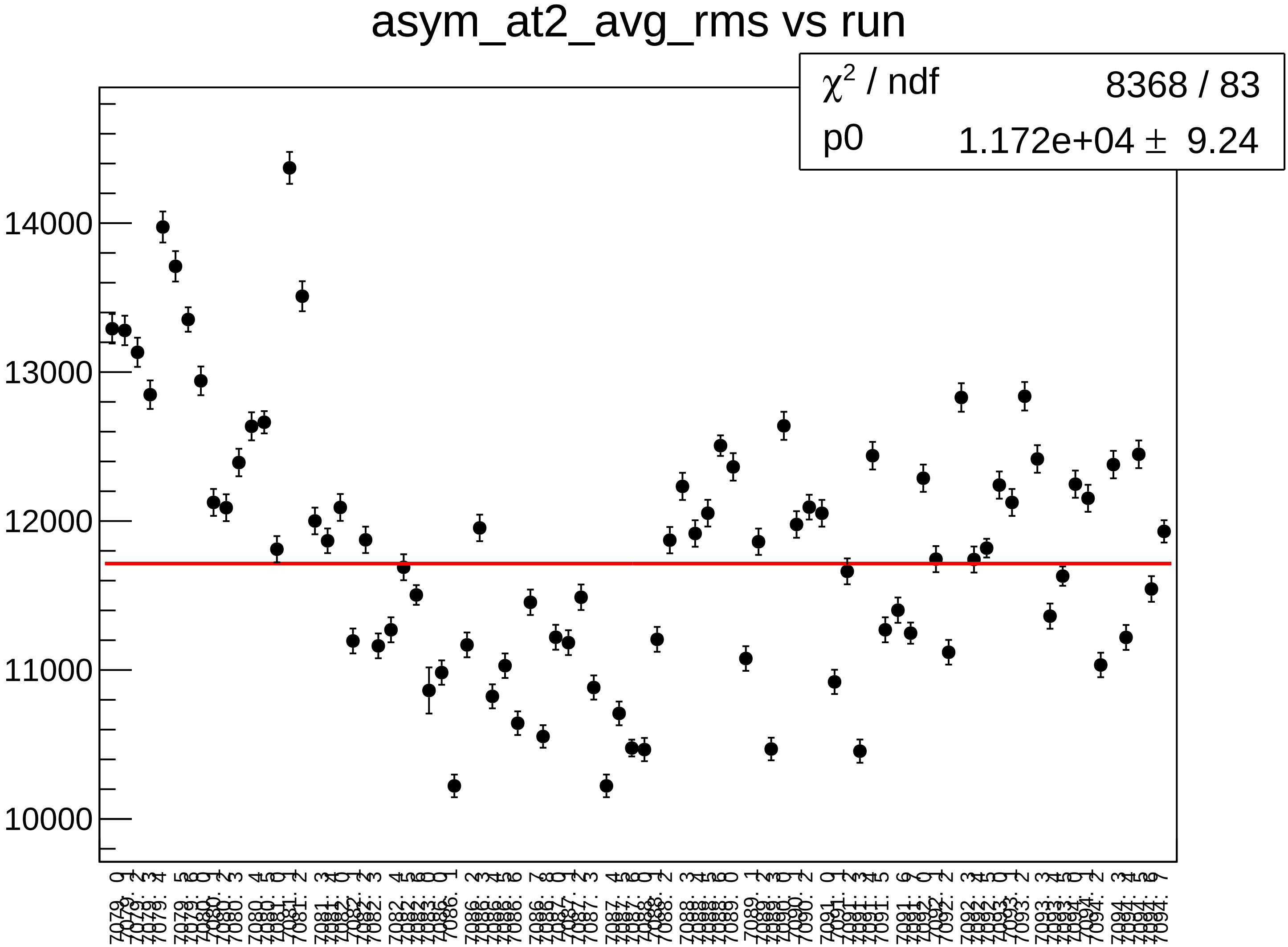

reg_asym_at2_avg_rms vs run
χ2 / ndf 281.6 / 83
p0 1891 ± 1.488
1950
1900
1850
1800
1750

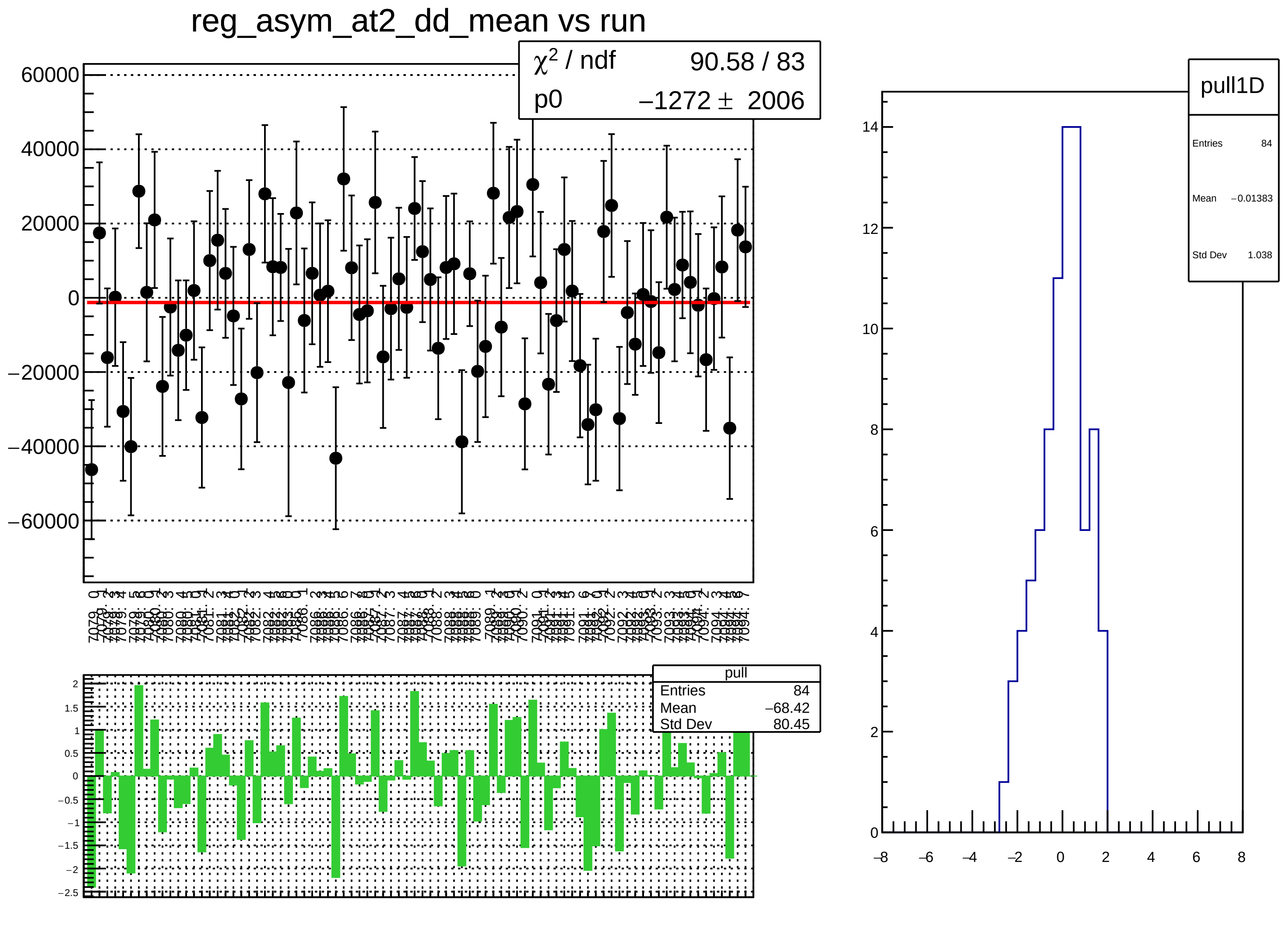


asym_at2_avg_correction_mean vs run
χ2 / ndf 82.5 / 83
p0 −4665 ± 1.289e+04
pull
Entries 84
Mean −65.35
Std Dev 95.68
pull1D
Entries 84
Mean 0.02039
Std Dev 0.9908

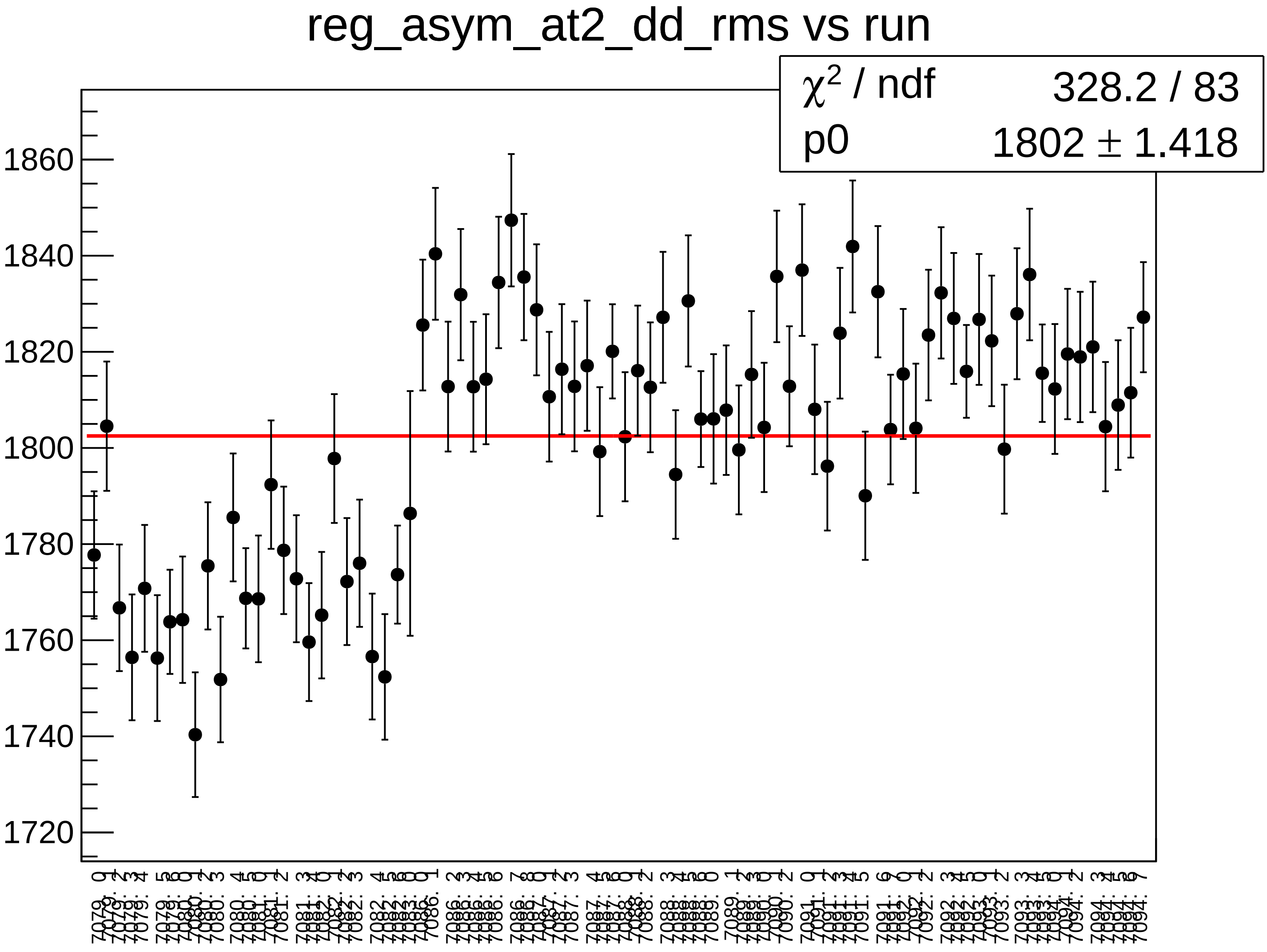

asym_at2_avg_correction_rms vs run
χ^2 / ndf 8830 / 83
p0 1.156e+04 ± 9.117
14000
13000
12000
11000
10000

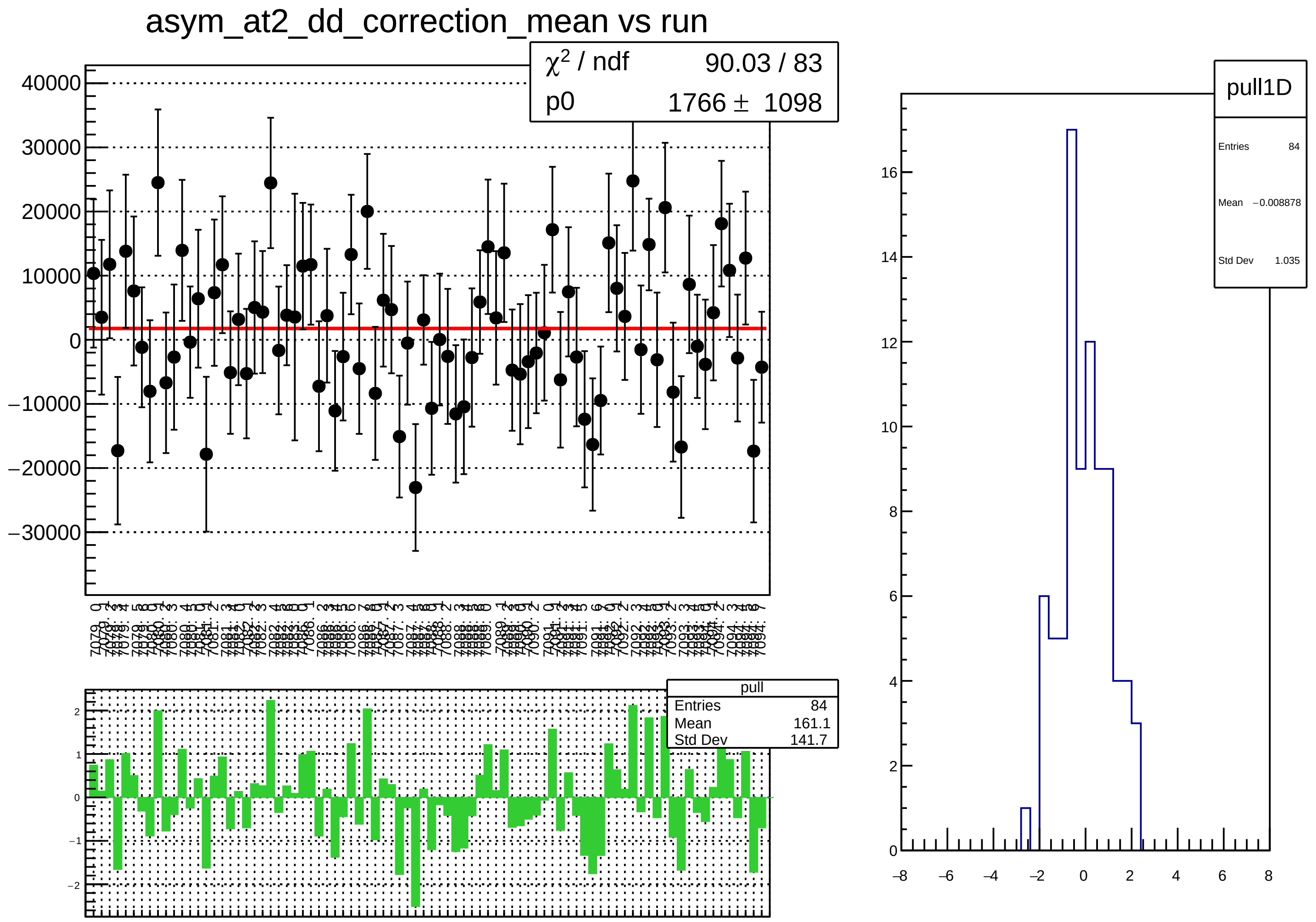

asym_at2_avg_mean vs run
×10^3
χ² / ndf 78.87 / 83
p0 2492 ± 1.307e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 84
Mean −64.39
Std Dev 95.18
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.01784
Std Dev 0.9688
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

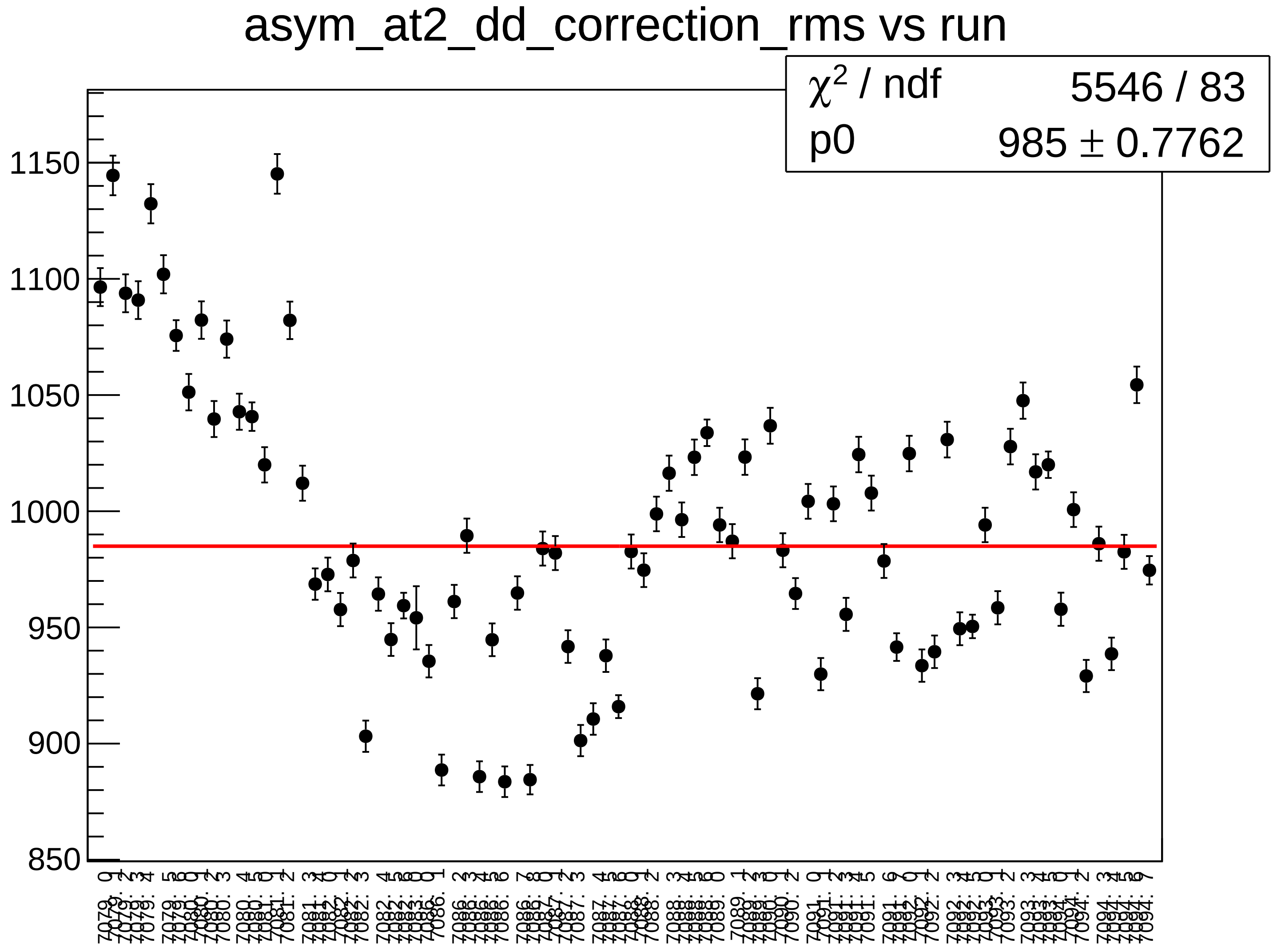

asym_at2_avg_rms vs run
χ^2 / ndf 8368 / 83
p0 1.172e+04 ± 9.24
14000
13000
12000
11000
10000



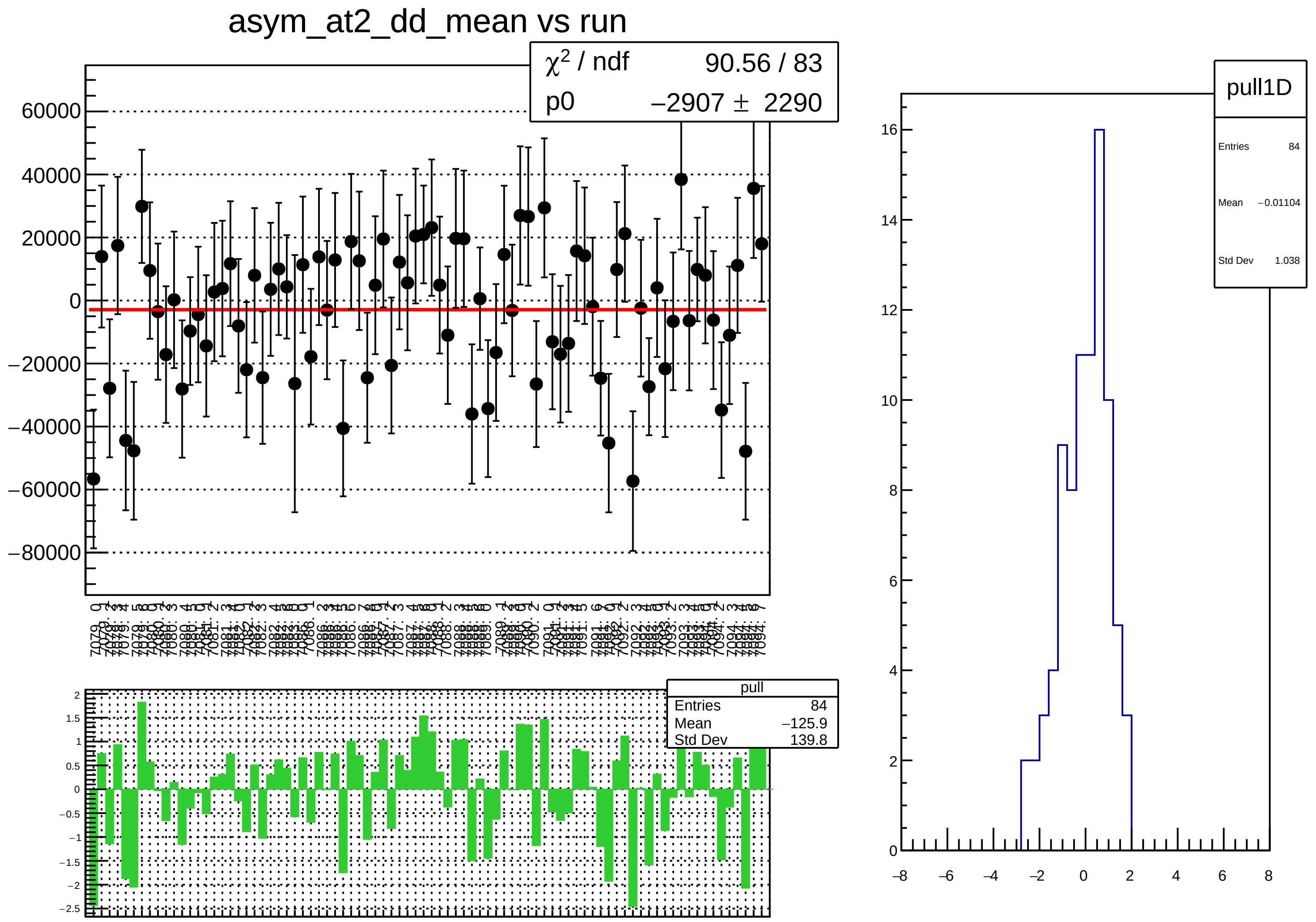
reg_asym_at2_dd_mean vs run
χ^2 / ndf 90.58 / 83
p0 −1272 ± 2006
pull
Entries 84
Mean −68.42
Std Dev 80.45
pull1D
Entries 84
Mean −0.01383
Std Dev 1.038


reg_asym_at2_dd_rms vs run
χ^2 / ndf 328.2 / 83
p0 1802 ± 1.418
1860
1840
1820
1800
1780
1760
1740
1720

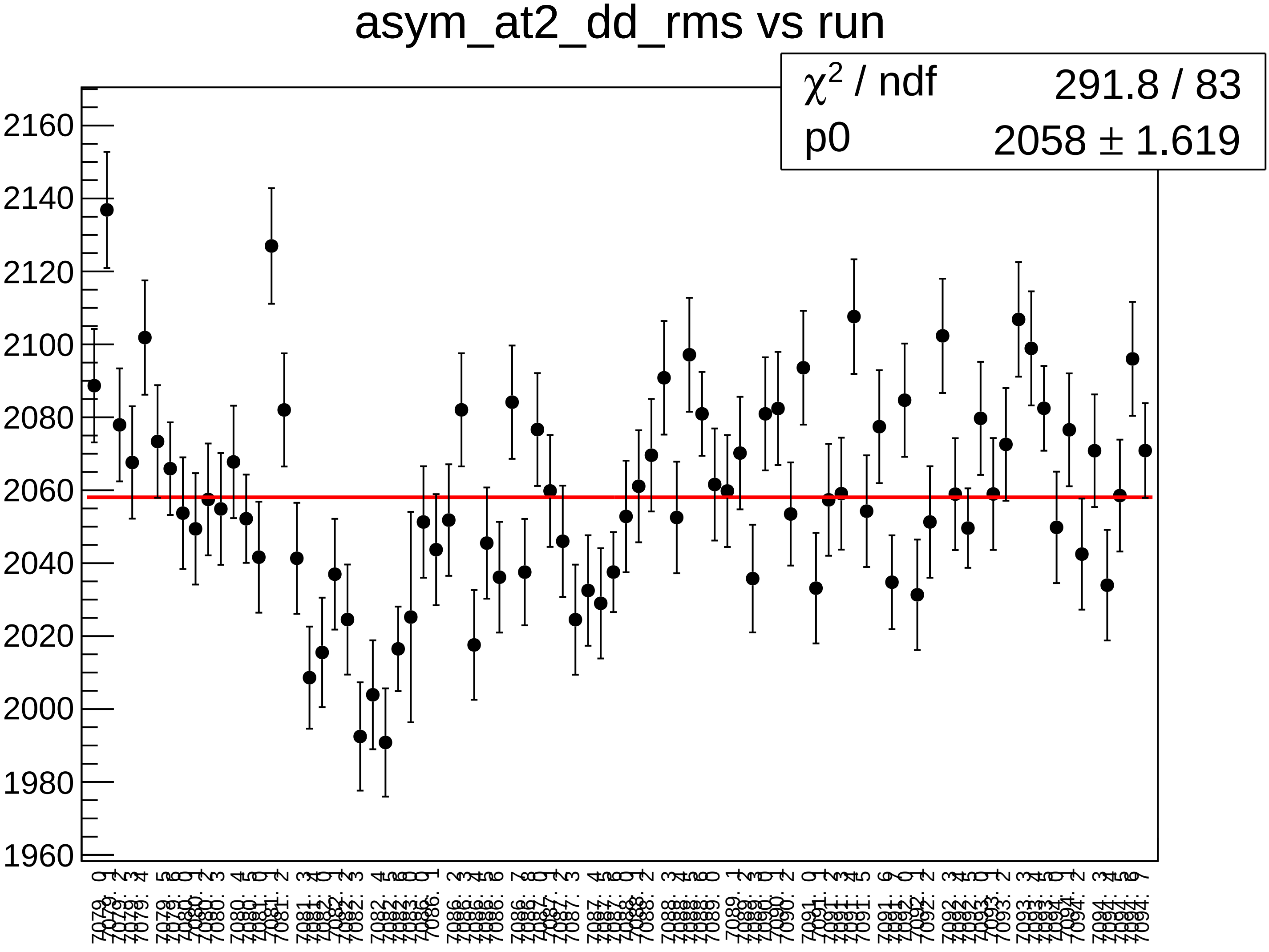

asym_at2_dd_correction_mean vs run
χ^2 / ndf 90.03 / 83
p0 1766 ± 1098
pull
Entries 84
Mean 161.1
Std Dev 141.7
pull1D
Entries 84
Mean −0.008878
Std Dev 1.035



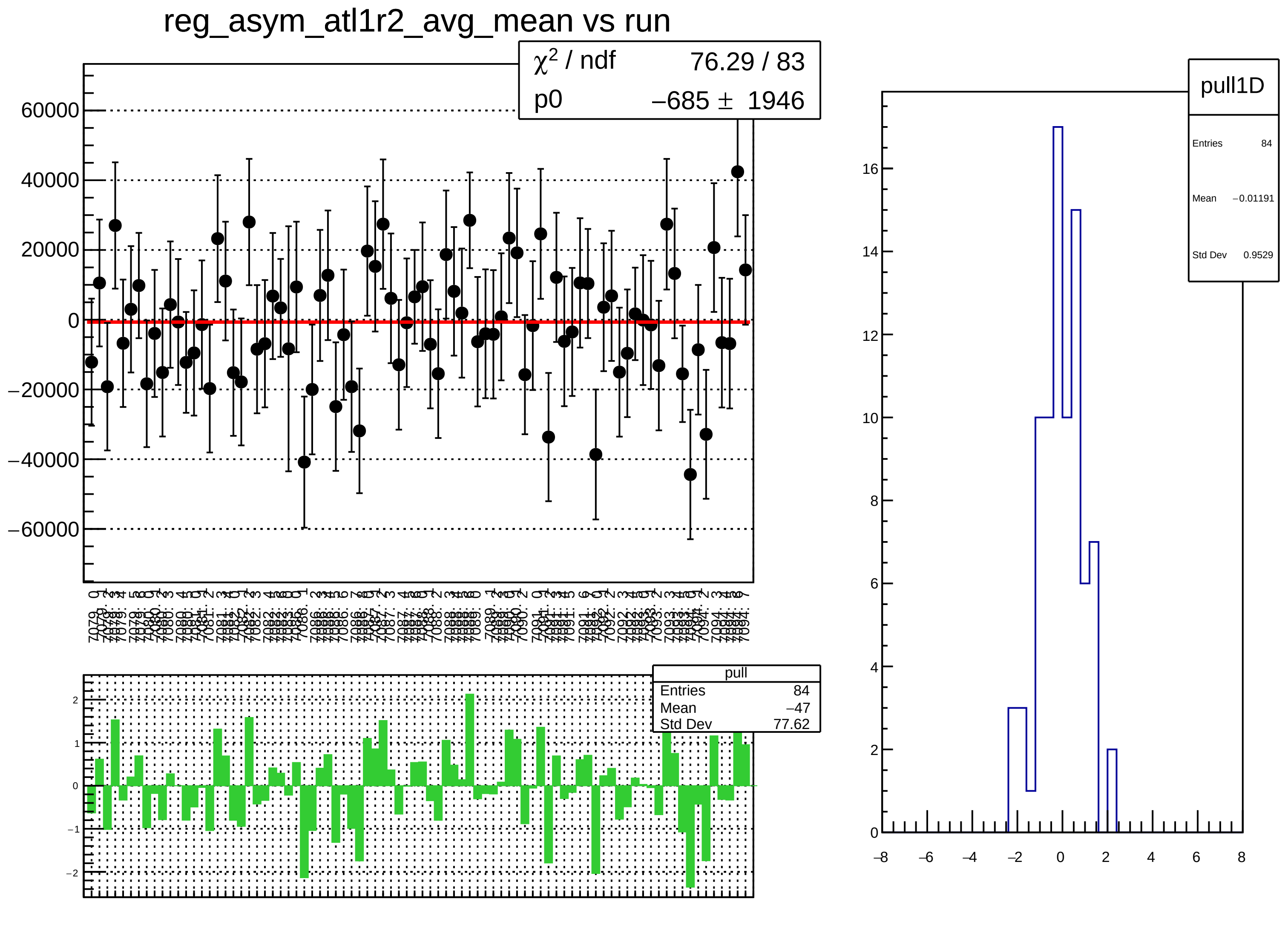
asym_at2_dd_correction_rms vs run
χ^2 / ndf 5546 / 83
p0 985 ± 0.7762
1150
1100
1050
1000
950
900
850



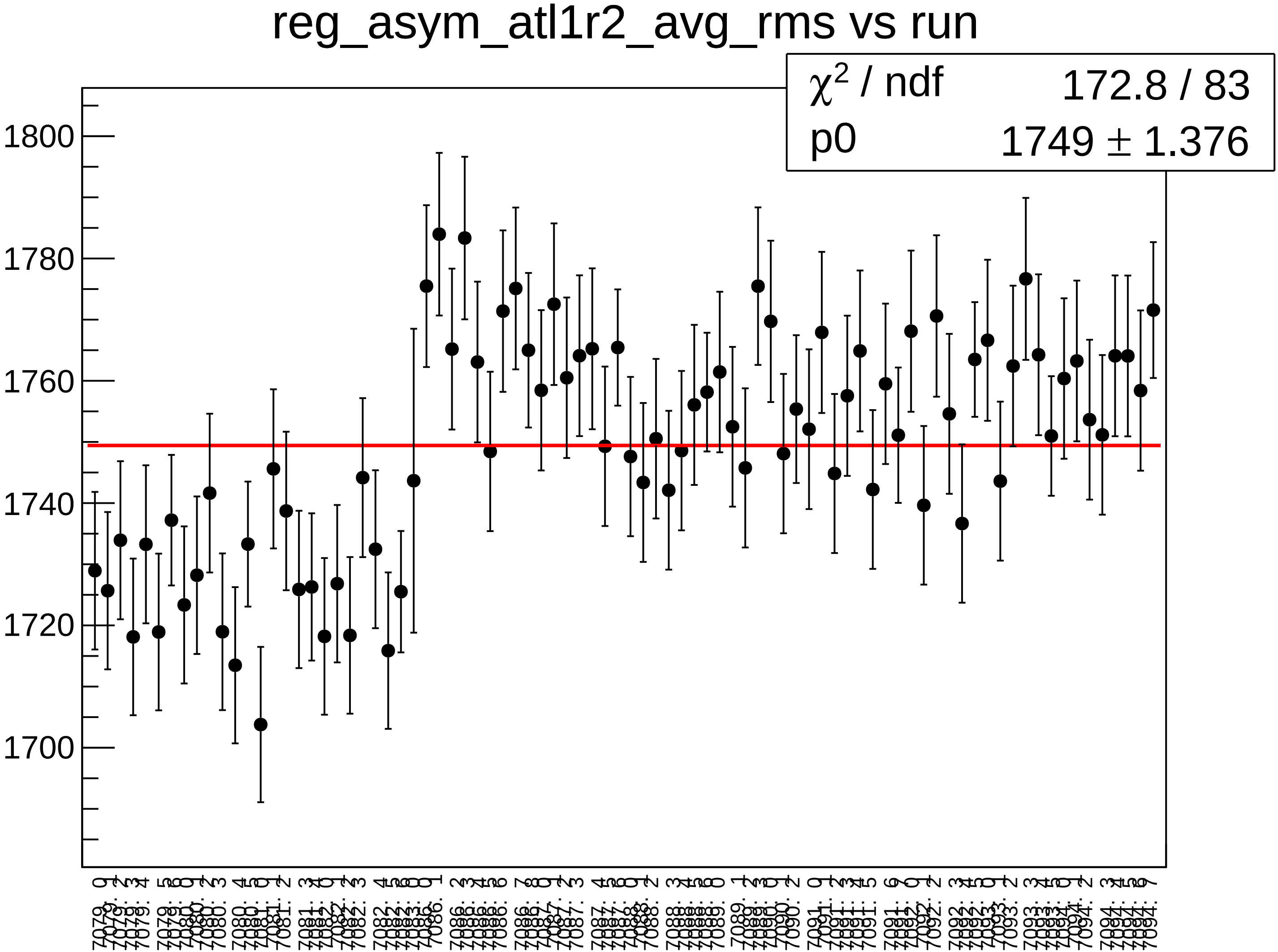
asym_at2_dd_mean vs run
χ^2 / ndf 90.56 / 83
p0 −2907 ± 2290
pull
Entries 84
Mean −125.9
Std Dev 139.8
pull1D
Entries 84
Mean −0.01104
Std Dev 1.038

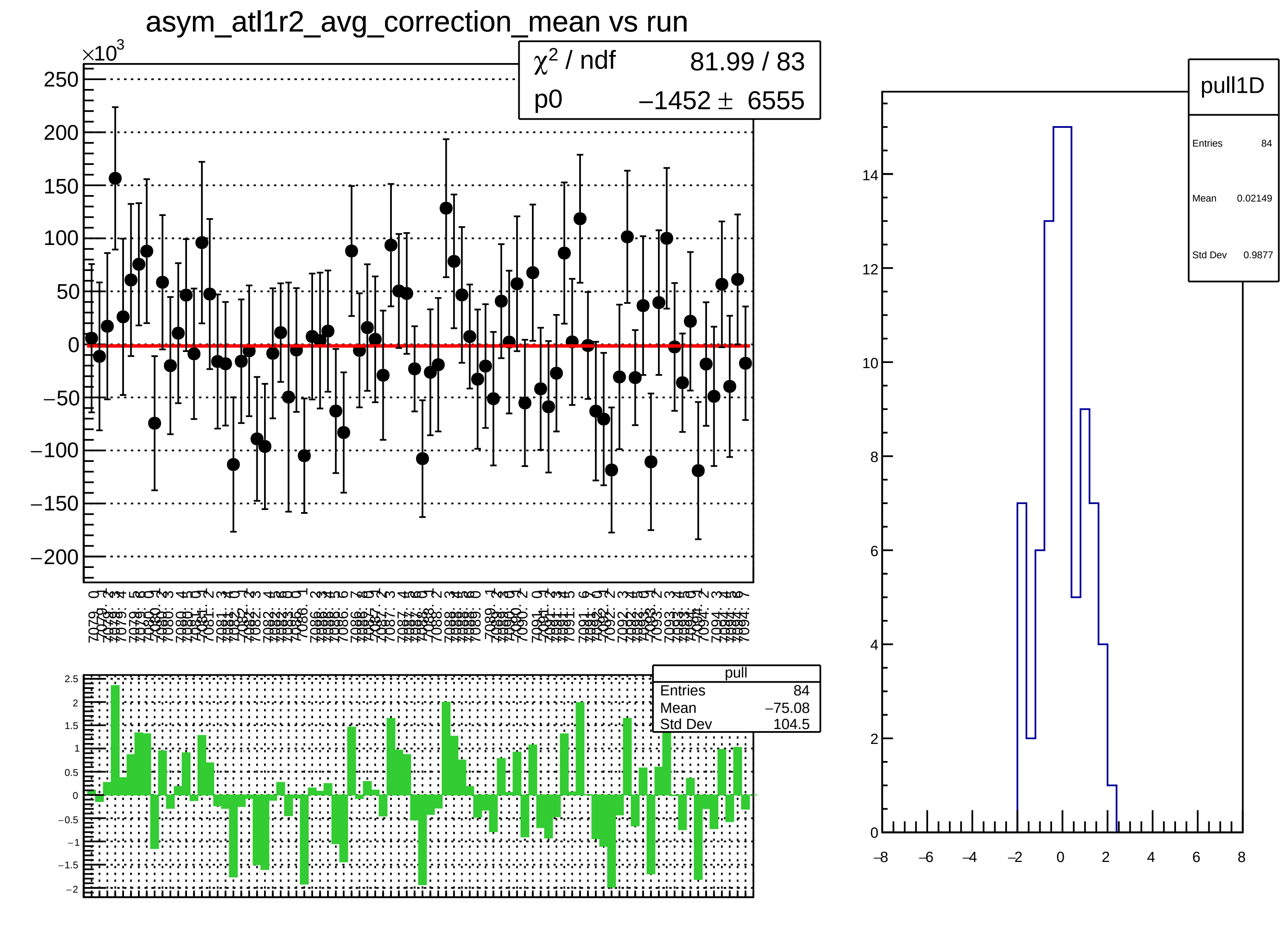


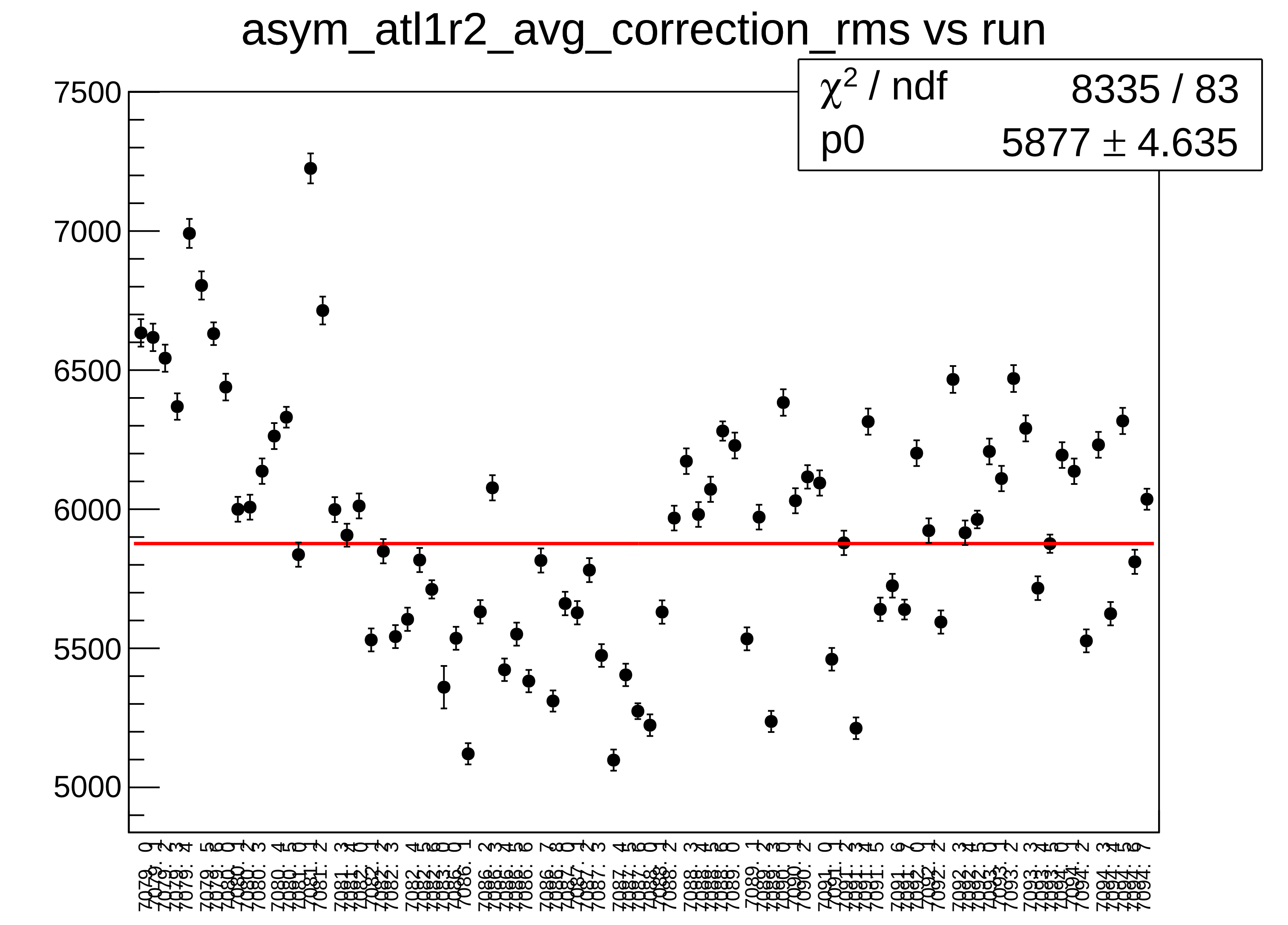
asym_at2_dd_rms vs run
χ^2 / ndf 291.8 / 83
p0 2058 ± 1.619
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960



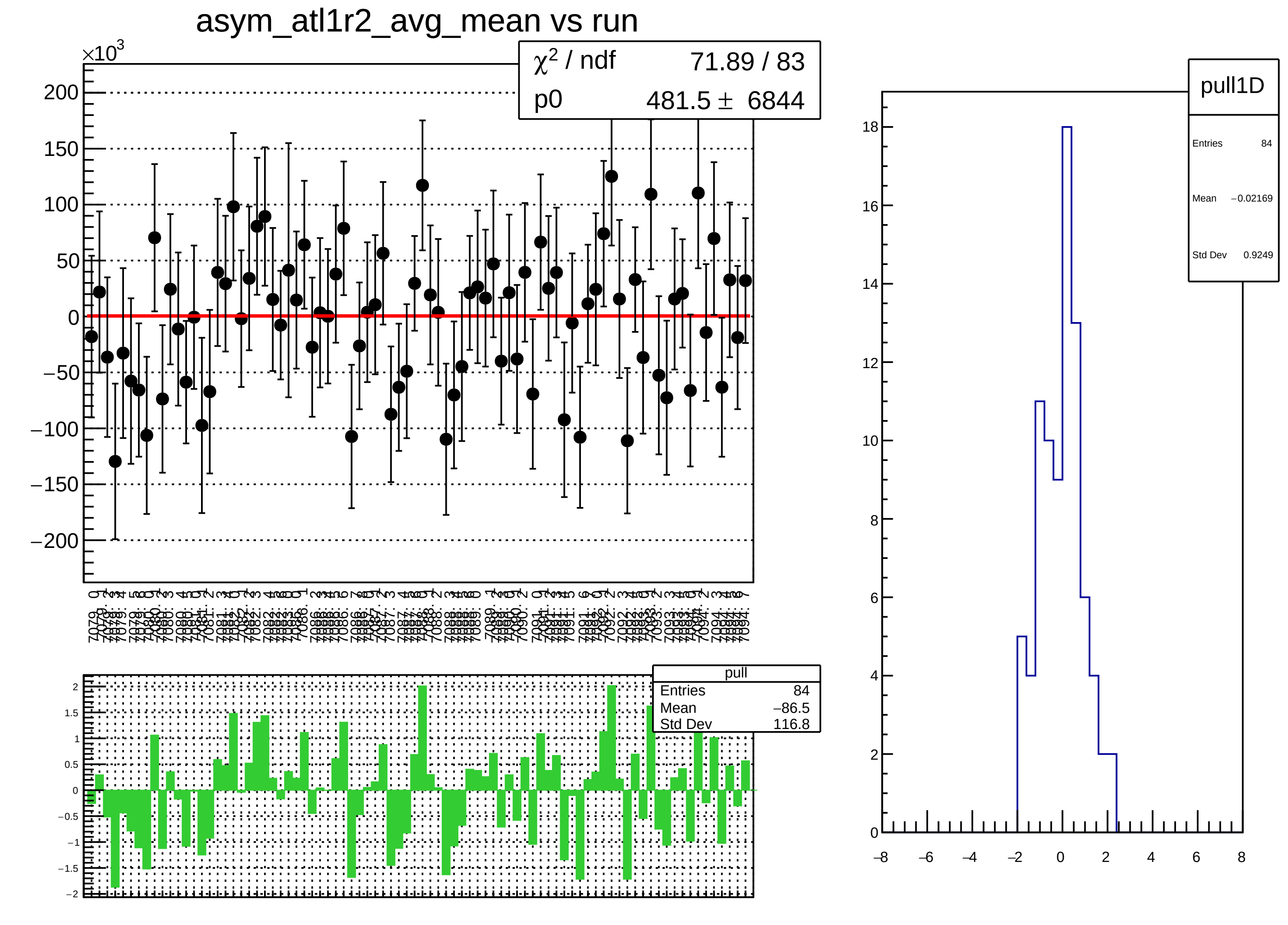
reg_asym_atl1r2_avg_mean vs run
χ^2 / ndf 76.29 / 83
p0 −685 ± 1946
pull
Entries 84
Mean −47
Std Dev 77.62
pull1D
Entries 84
Mean −0.01191
Std Dev 0.9529


reg_asym_atl1r2_avg_rms vs run
χ^2 / ndf 172.8 / 83
p0 1749 ± 1.376
1800
1780
1760
1740
1720
1700

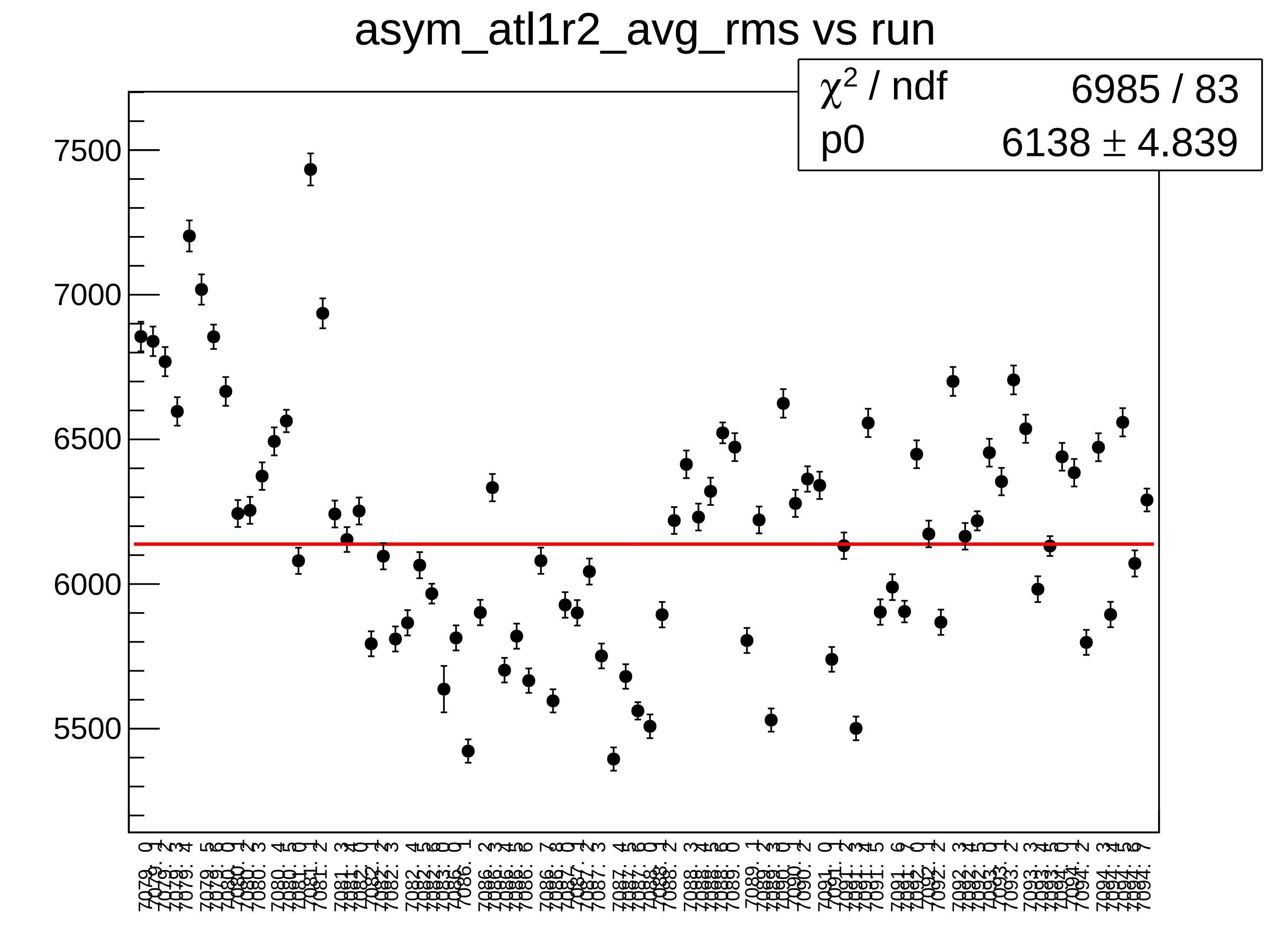

asym_atl1r2_avg_correction_mean vs run
χ^2 / ndf 81.99 / 83
p0 −1452 ± 6555
×10^3
pull
Entries 84
Mean −75.08
Std Dev 104.5
pull1D
Entries 84
Mean 0.02149
Std Dev 0.9877



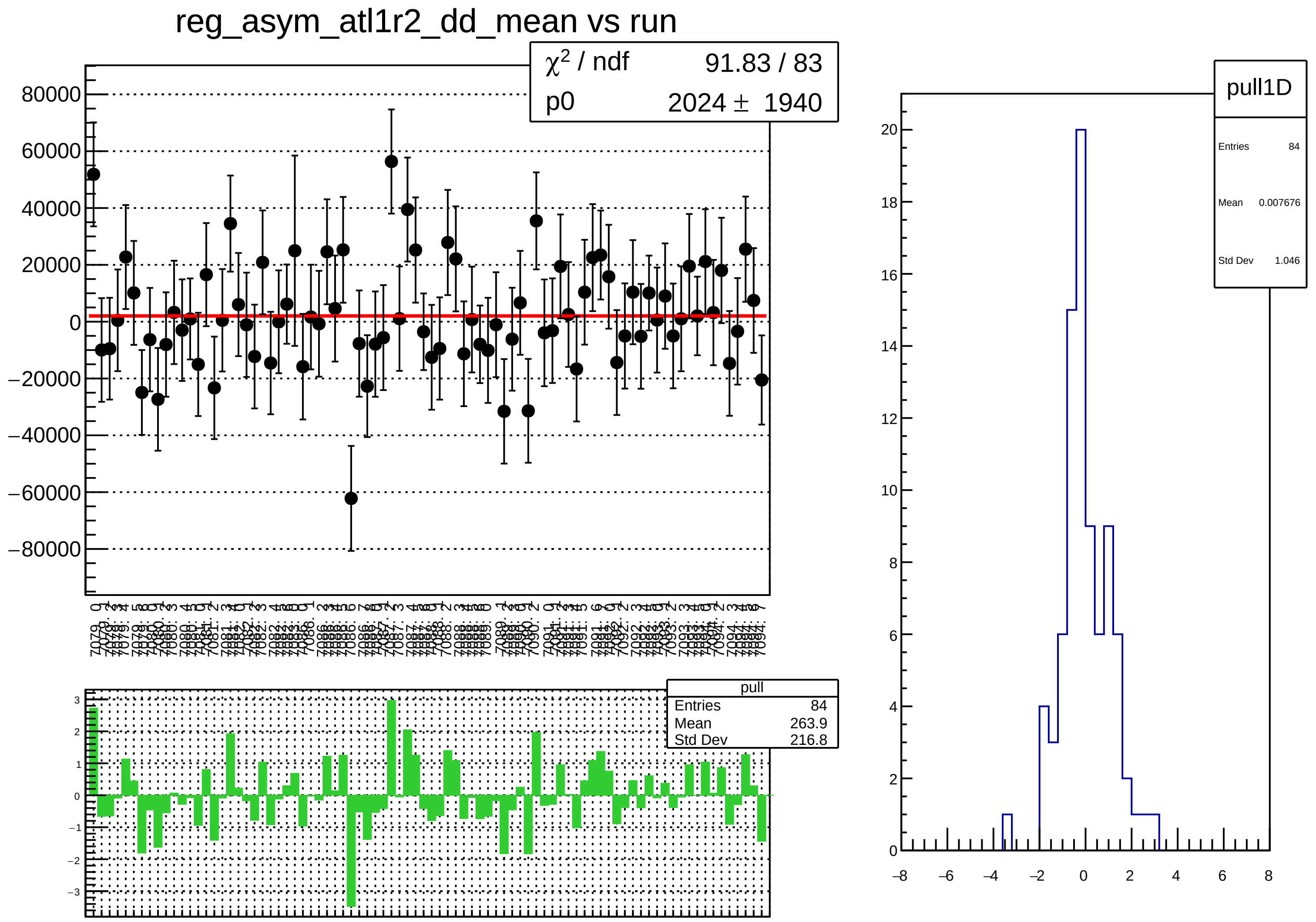
asym_atl1r2_avg_correction_rms vs run
χ^2 / ndf 8335 / 83
p0 5877 ± 4.635
7500
7000
6500
6000
5500
5000

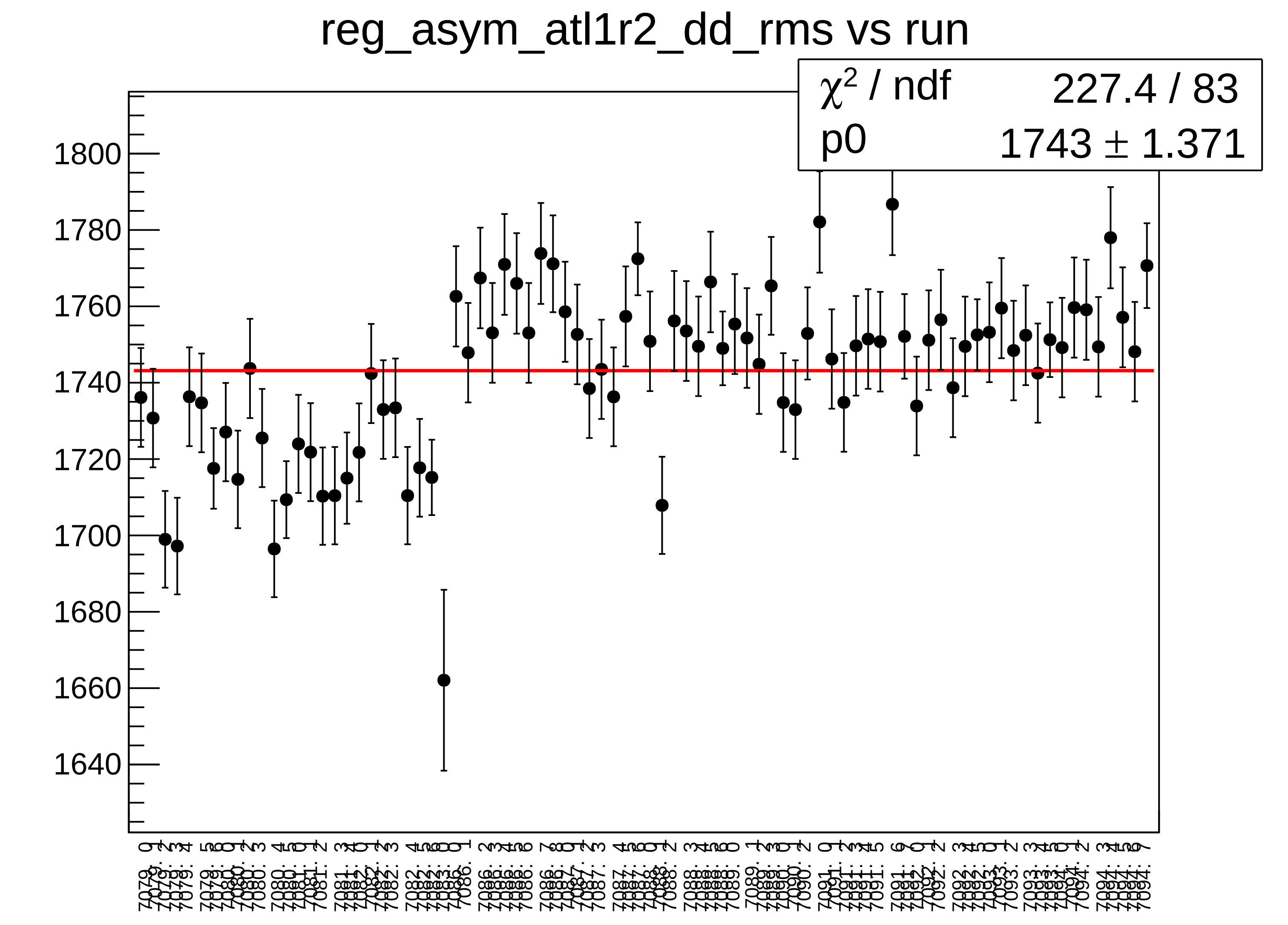


asym_atl1r2_avg_mean vs run
$\times 10^3$
χ^2 / ndf 71.89 / 83
p0 481.5 ± 6844
pull
Entries 84
Mean −86.5
Std Dev 116.8
pull1D
Entries 84
Mean −0.02169
Std Dev 0.9249

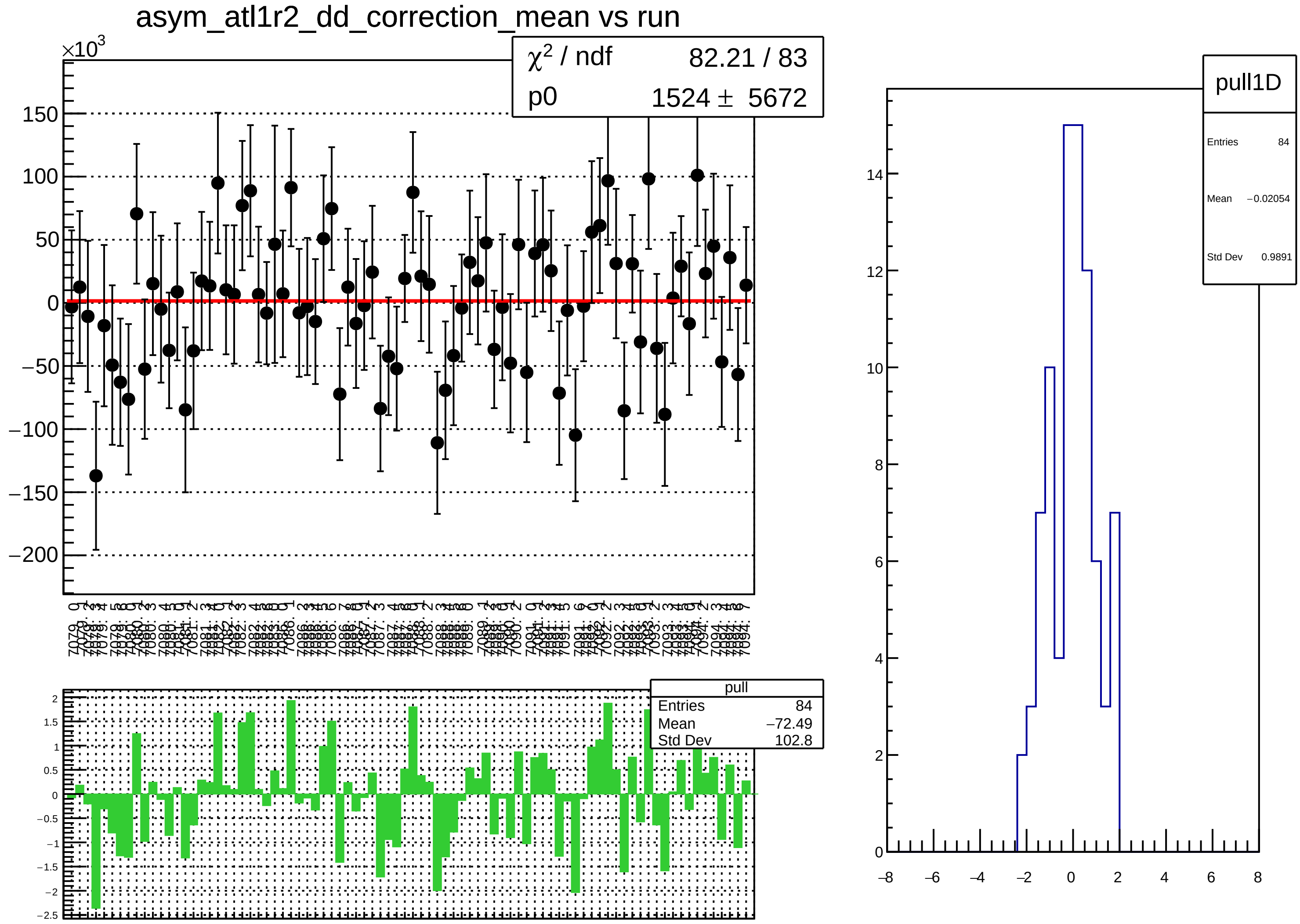


asym_atl1r2_avg_rms vs run
χ2 / ndf 6985 / 83
p0 6138 ± 4.839
7500
7000
6500
6000
5500

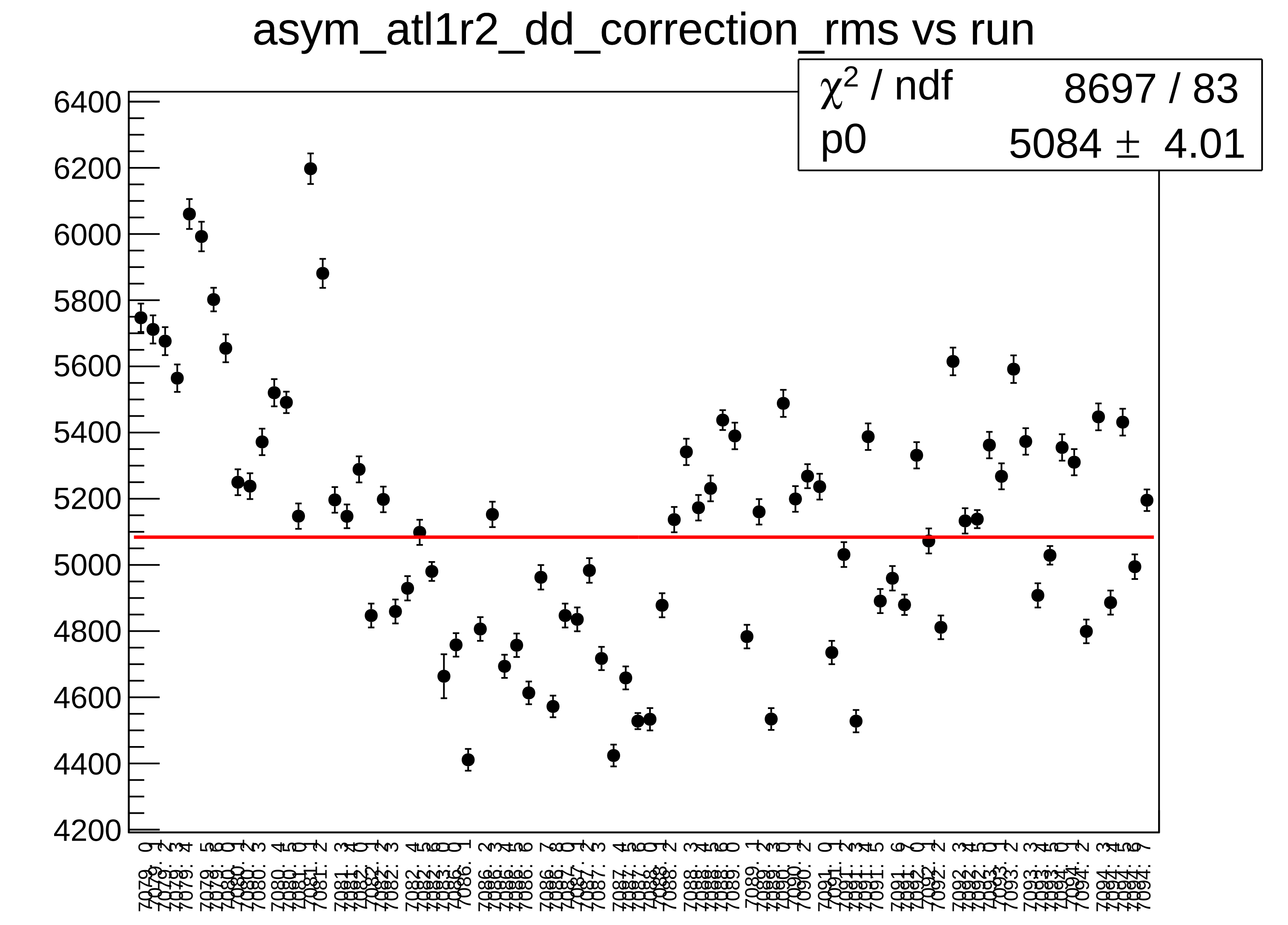

reg_asym_atl1r2_dd_mean vs run
χ^2 / ndf 91.83 / 83
p0 2024 ± 1940
pull
Entries 84
Mean 263.9
Std Dev 216.8
pull1D
Entries 84
Mean 0.007676
Std Dev 1.046

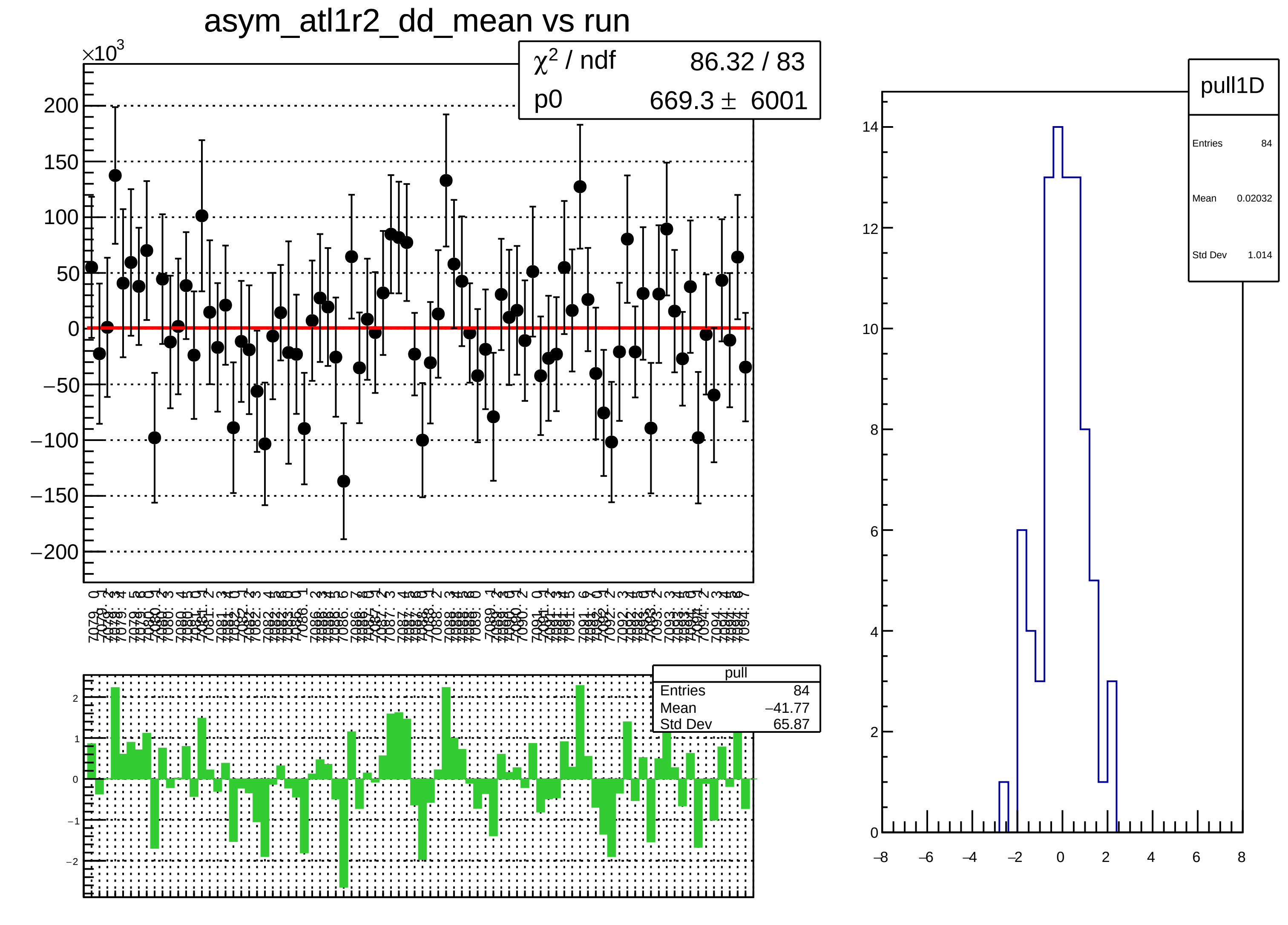


reg_asym_atl1r2_dd_rms vs run
χ2 / ndf 227.4 / 83
p0 1743 ± 1.371
1800
1780
1760
1740
1720
1700
1680
1660
1640

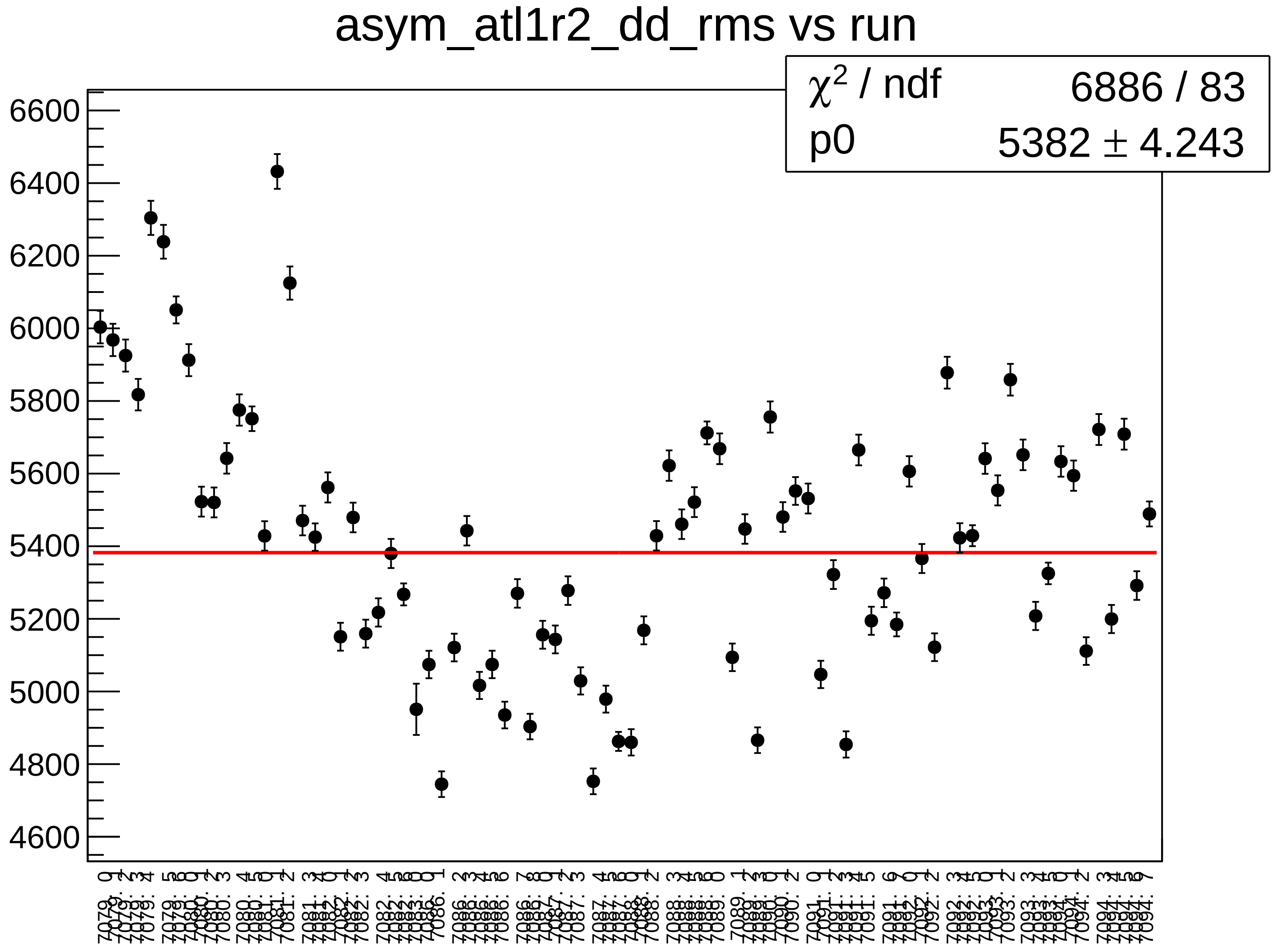


asym_atl1r2_dd_correction_mean vs run
×10^3
χ^2 / ndf 82.21 / 83
p0 1524 ± 5672
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −72.49
Std Dev 102.8
pull1D
Entries 84
Mean −0.02054
Std Dev 0.9891

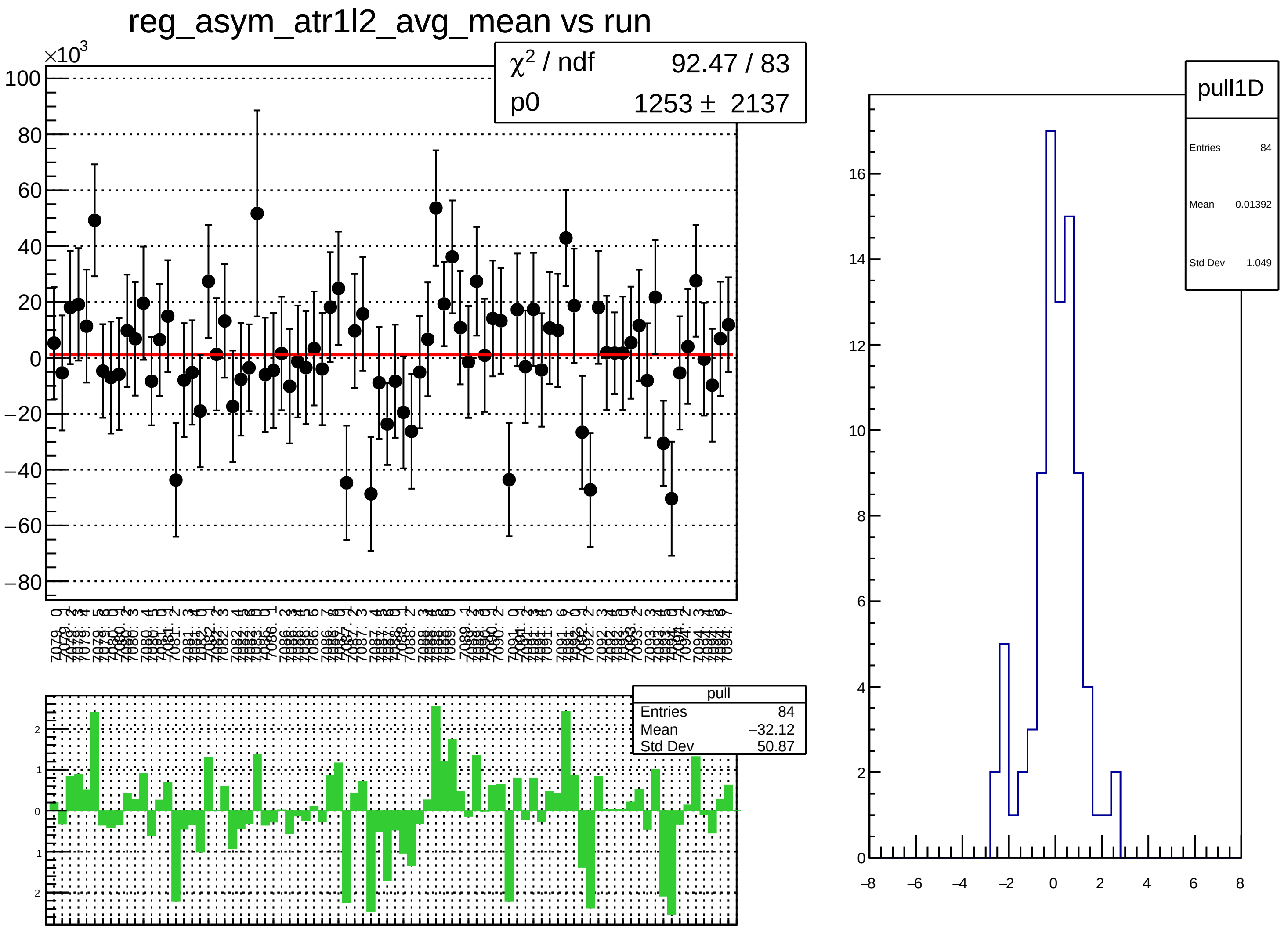

asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 8697 / 83
p0 5084 ± 4.01
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200



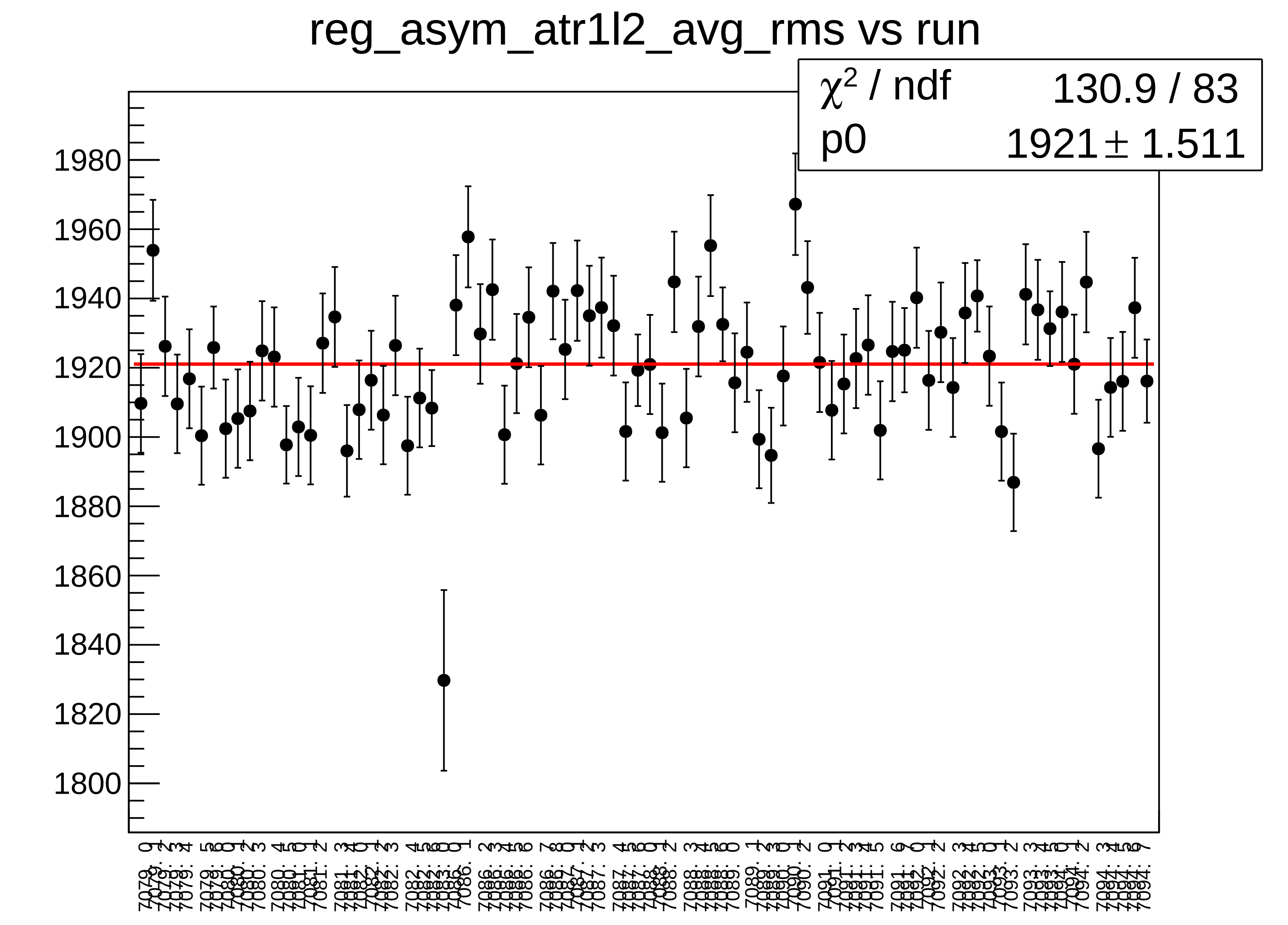
asym_atl1r2_dd_mean vs run
χ^2 / ndf 86.32 / 83
p0 669.3 ± 6001
pull
Entries 84
Mean −41.77
Std Dev 65.87
pull1D
Entries 84
Mean 0.02032
Std Dev 1.014

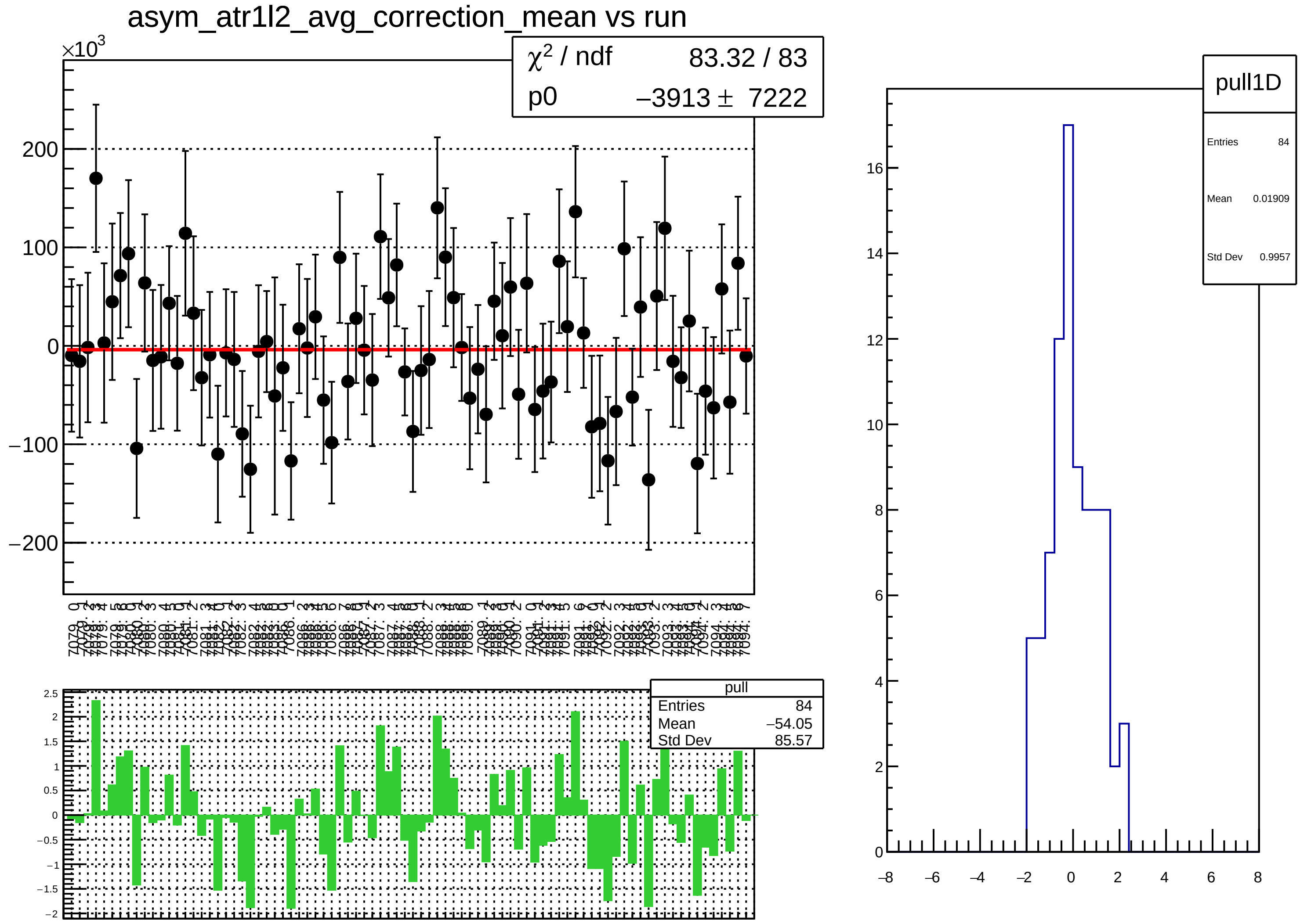


asym_atl1r2_dd_rms vs run
χ2 / ndf 6886 / 83
p0 5382 ± 4.243
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

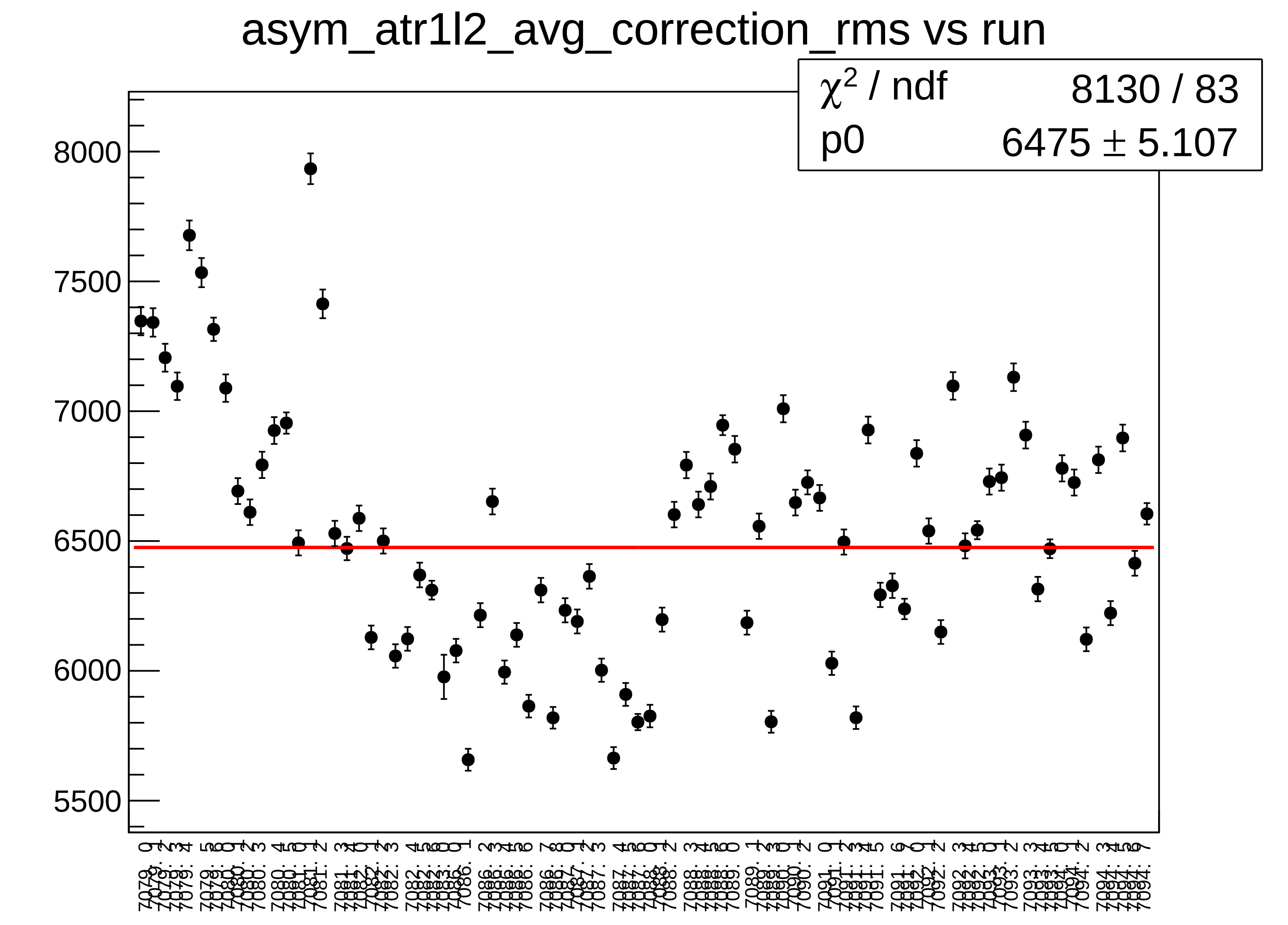


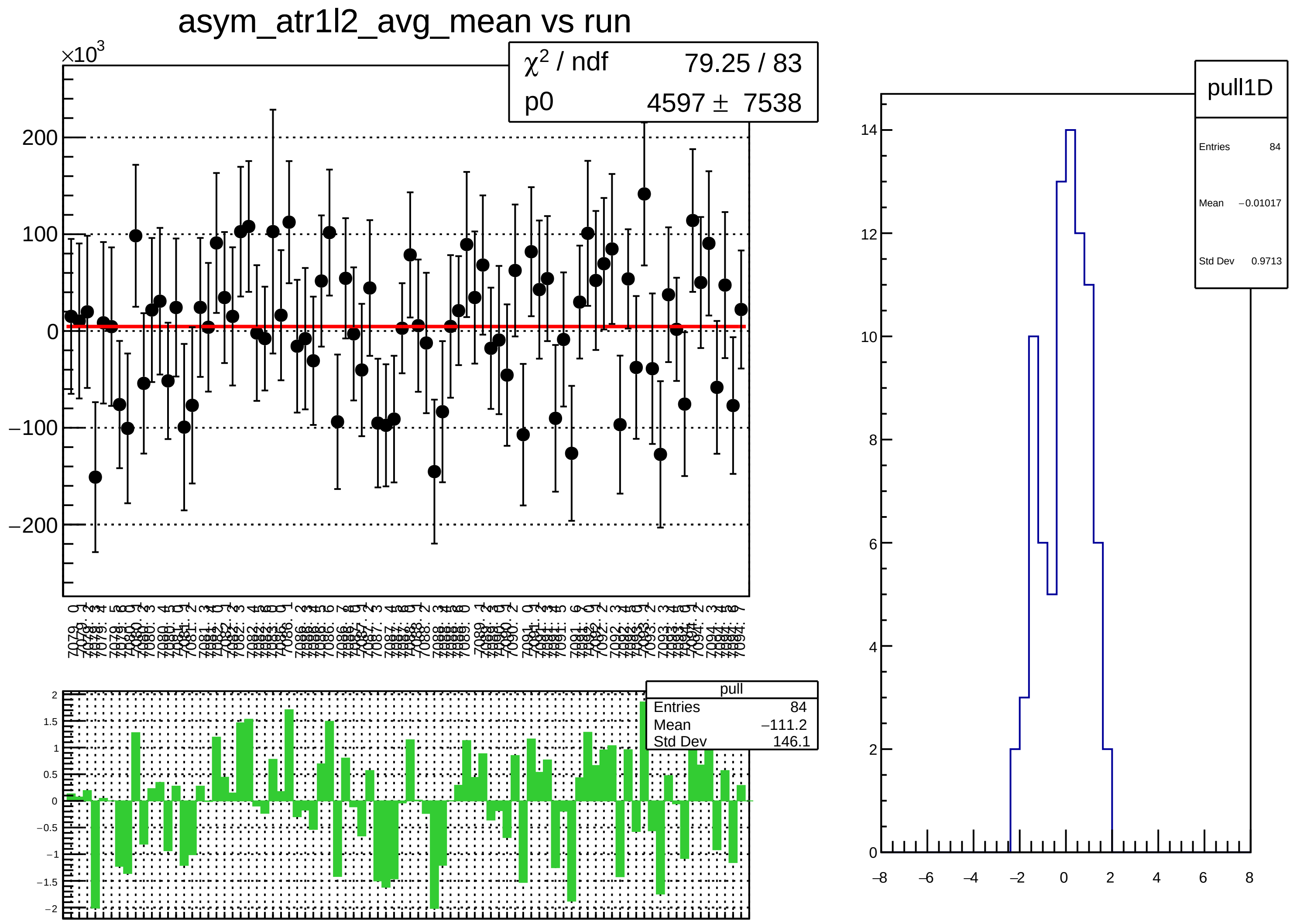
reg_asym_atr1l2_avg_mean vs run
χ^2 / ndf 92.47 / 83
p0 1253 ± 2137
pull
Entries 84
Mean −32.12
Std Dev 50.87
pull1D
Entries 84
Mean 0.01392
Std Dev 1.049


reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 130.9 / 83
p0 1921 ± 1.511
1800
1820
1840
1860
1880
1900
1920
1940
1960
1980

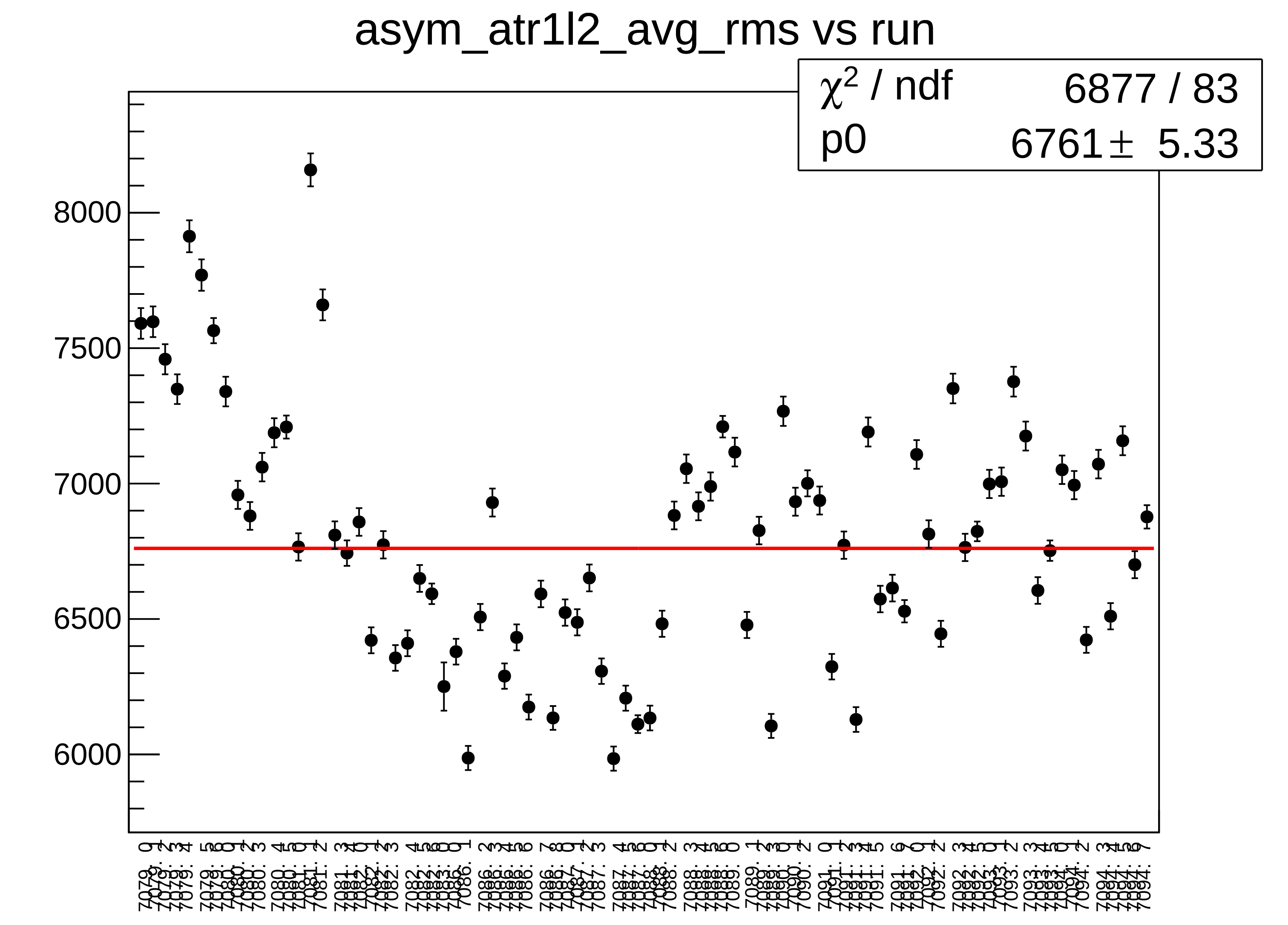


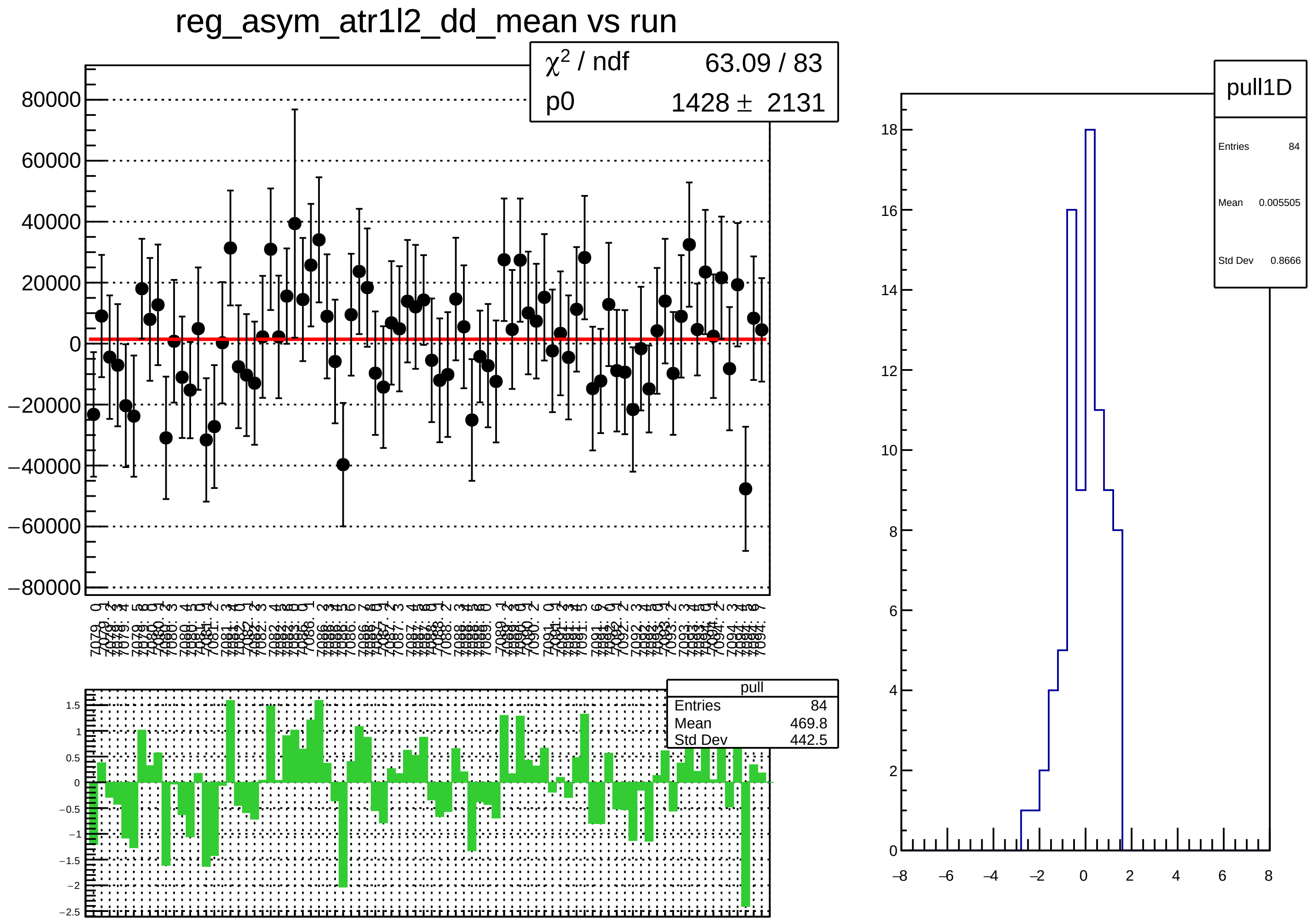
asym_atr1l2_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 83.32 / 83
p0 −3913 ± 7222
pull
Entries 84
Mean −54.05
Std Dev 85.57
pull1D
Entries 84
Mean 0.01909
Std Dev 0.9957

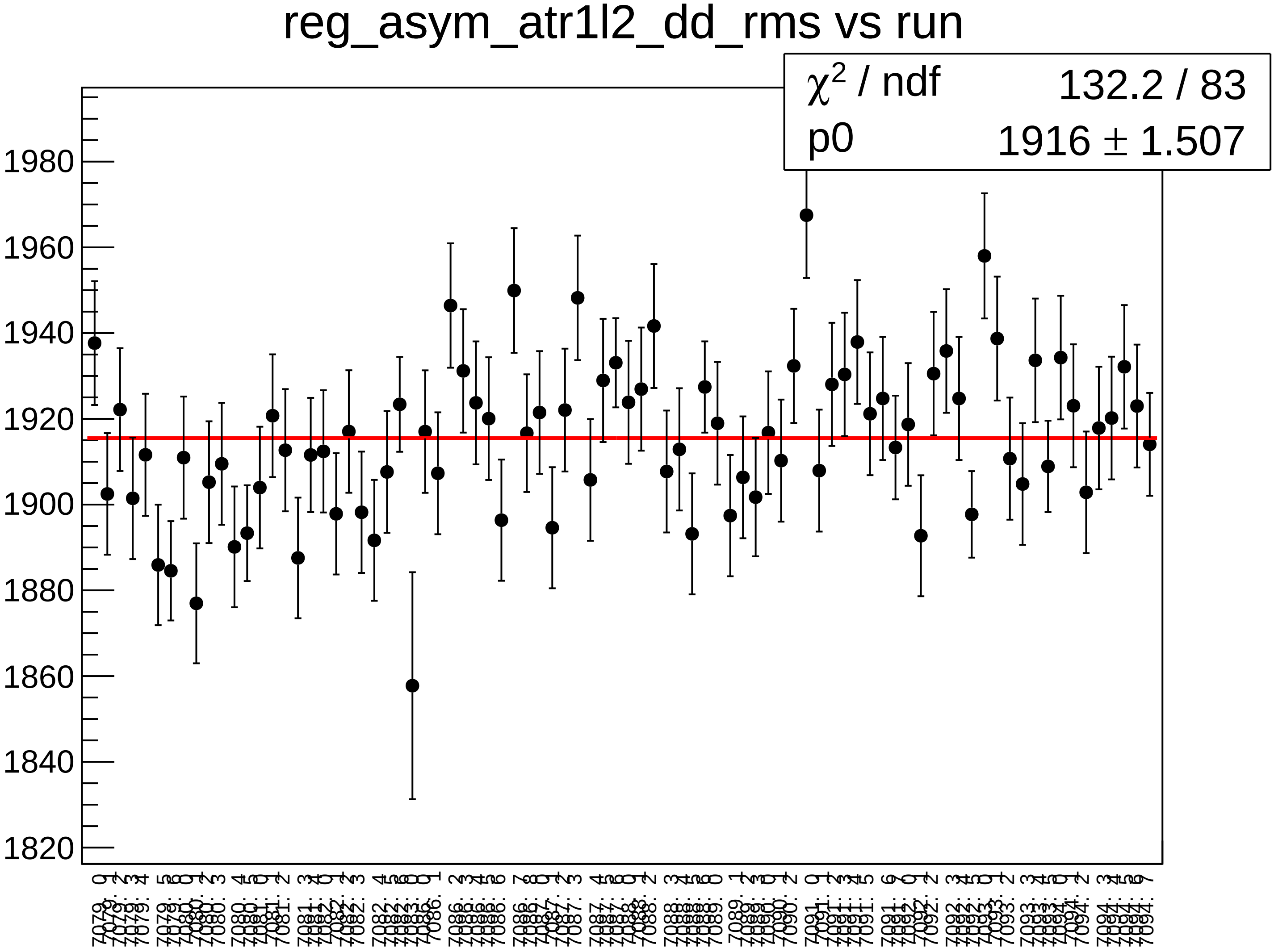

asym_atr1l2_avg_correction_rms vs run
χ2 / ndf 8130 / 83
p0 6475 ± 5.107
8000
7500
7000
6500
6000
5500



asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 79.25 / 83
p0 4597 ± 7538
200
100
0
−100
−200
pull
Entries 84
Mean −111.2
Std Dev 146.1
pull1D
Entries 84
Mean −0.01017
Std Dev 0.9713

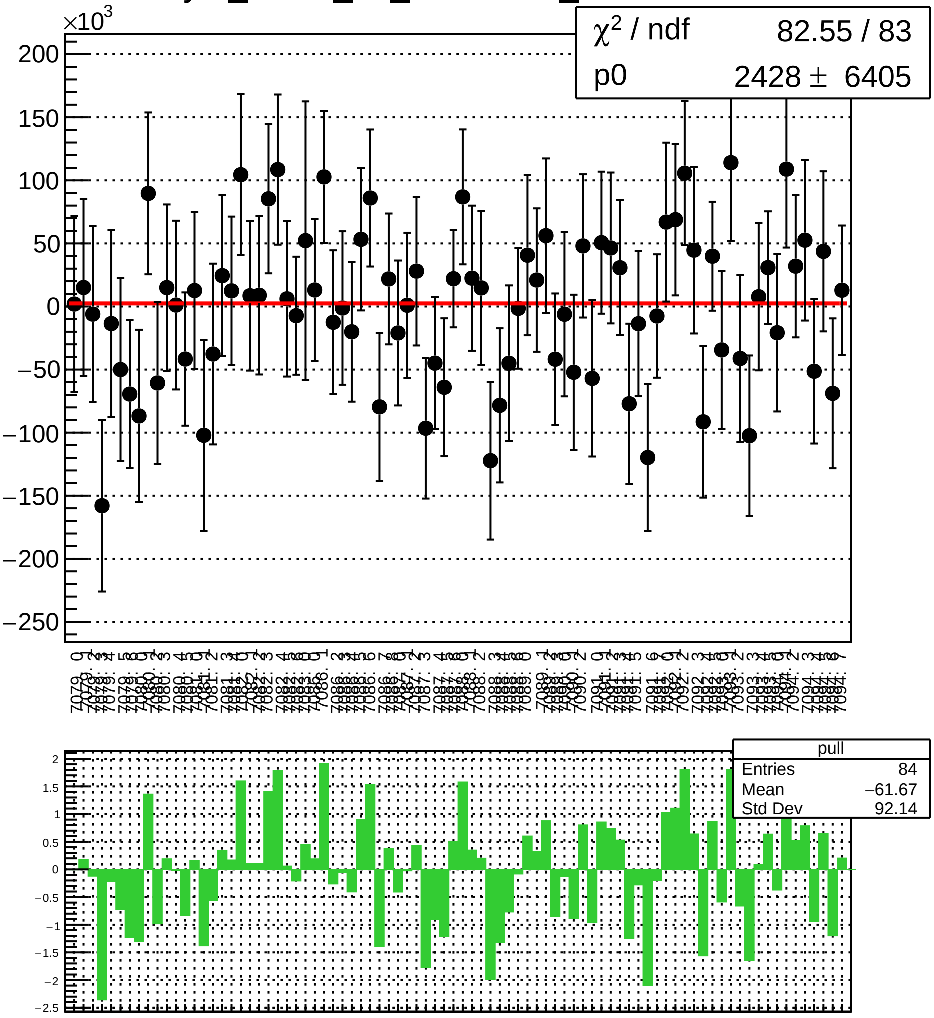

asym_atr1l2_avg_rms vs run
χ^2 / ndf 6877 / 83
p0 6761 ± 5.33
8000
7500
7000
6500
6000

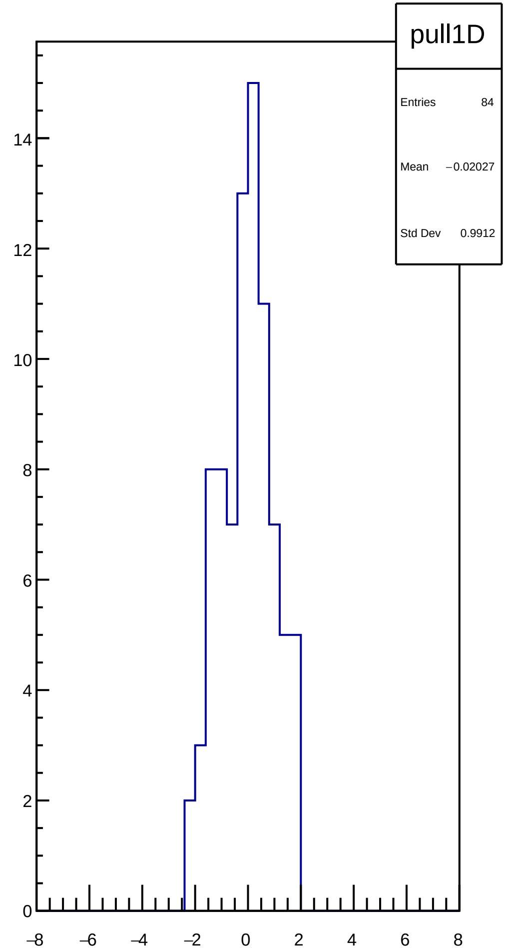

reg_asym_atr1l2_dd_mean vs run
χ^2 / ndf 63.09 / 83
p0 1428 ± 2131
pull
Entries 84
Mean 469.8
Std Dev 442.5
pull1D
Entries 84
Mean 0.005505
Std Dev 0.8666

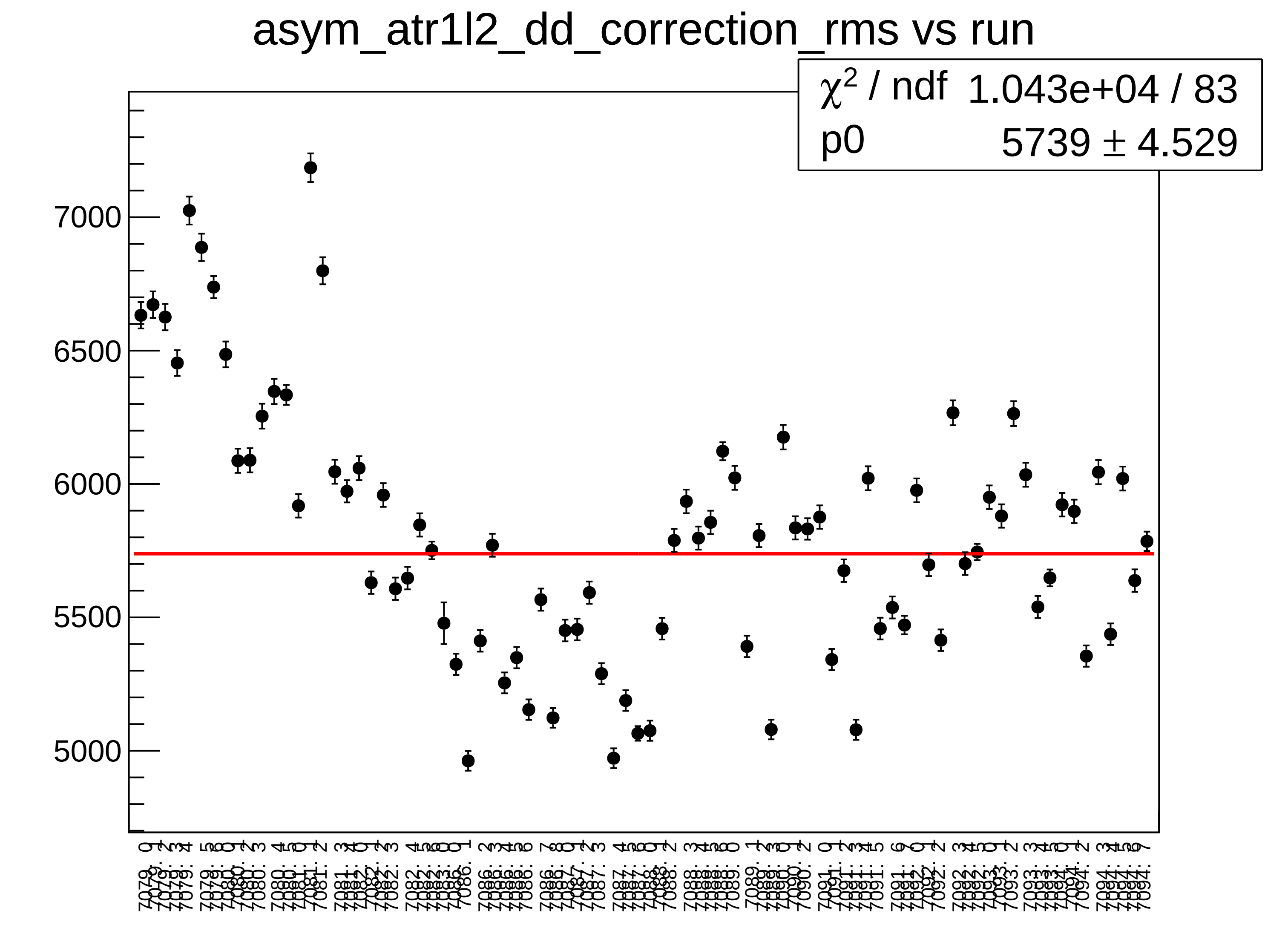


reg_asym_atr1l2_dd_rms vs run
χ^2 / ndf 132.2 / 83
p0 1916 ± 1.507
1980
1960
1940
1920
1900
1880
1860
1840
1820

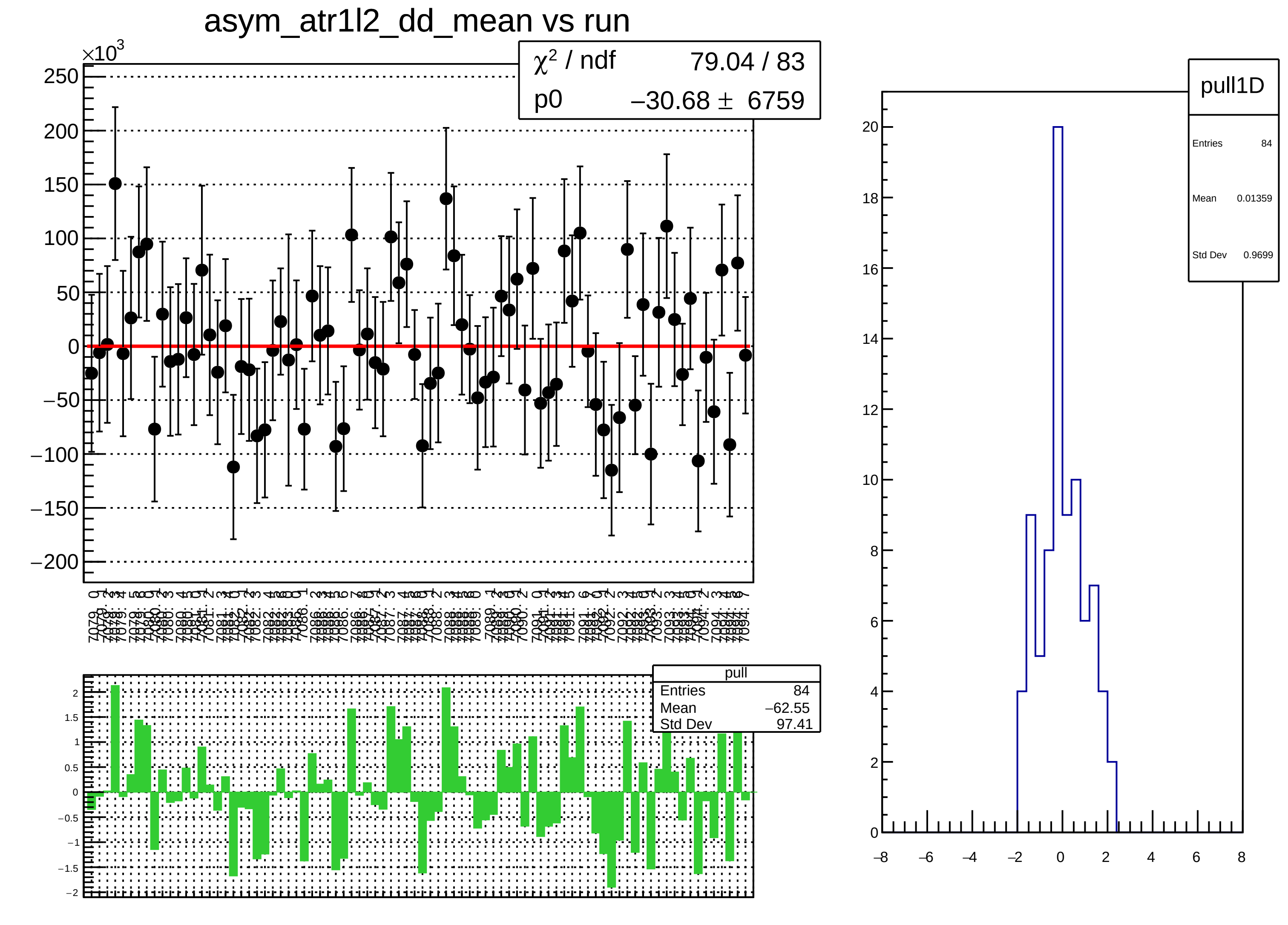
asym_atr1l2_dd_correction_mean vs run



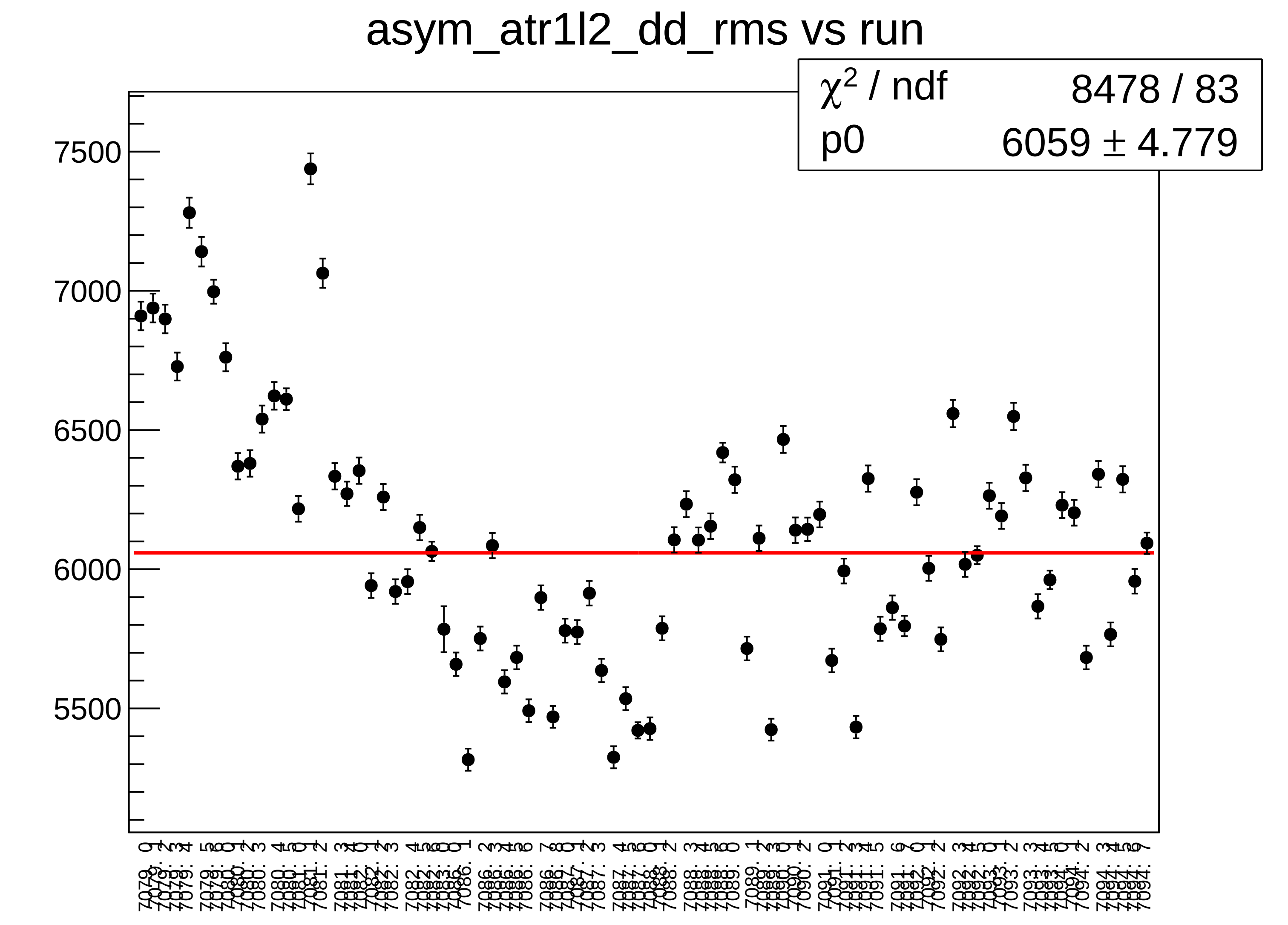




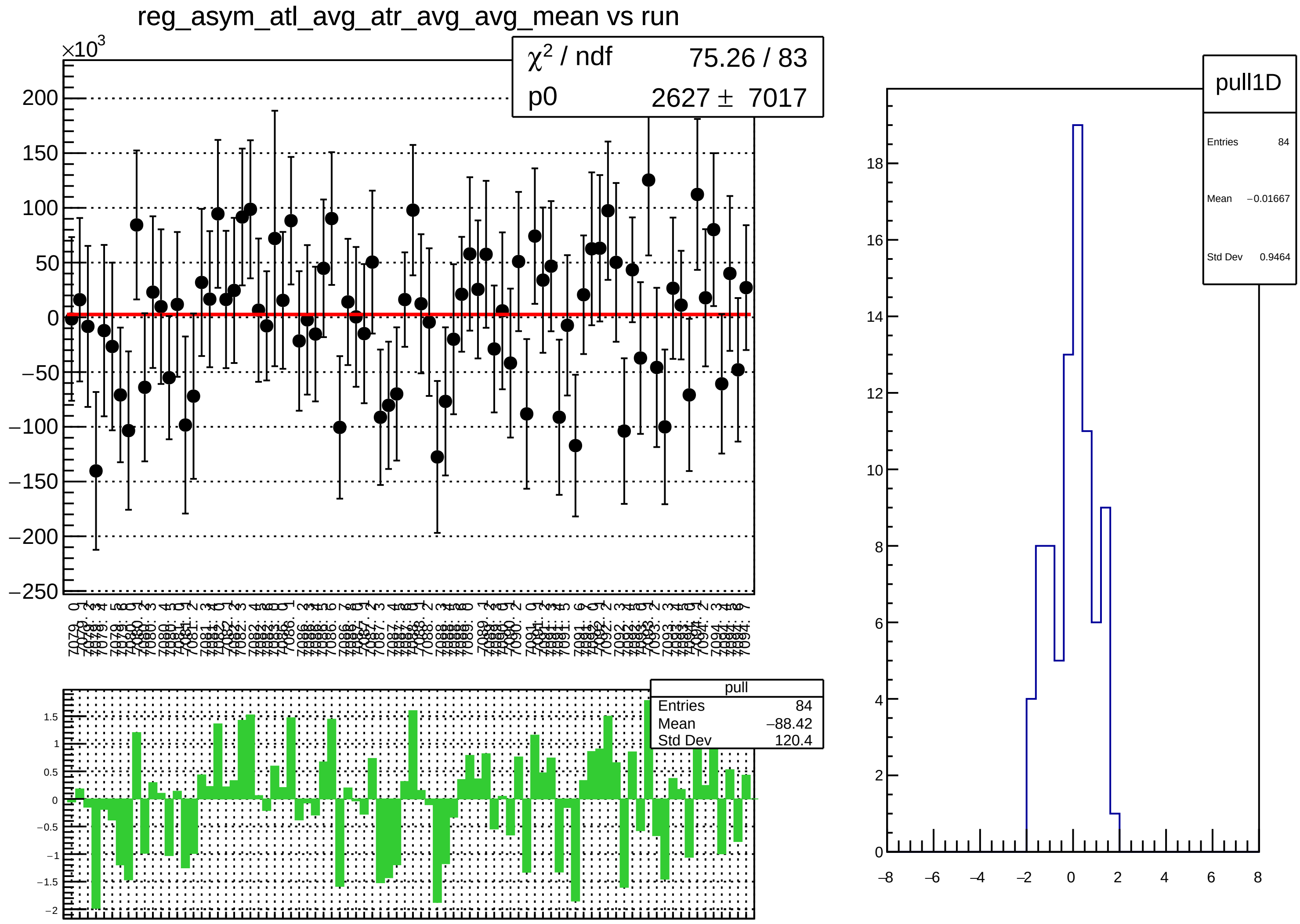
asym_atr1l2_dd_correction_rms vs run
χ^2 / ndf 1.043e+04 / 83
p0 5739 ± 4.529
7000
6500
6000
5500
5000

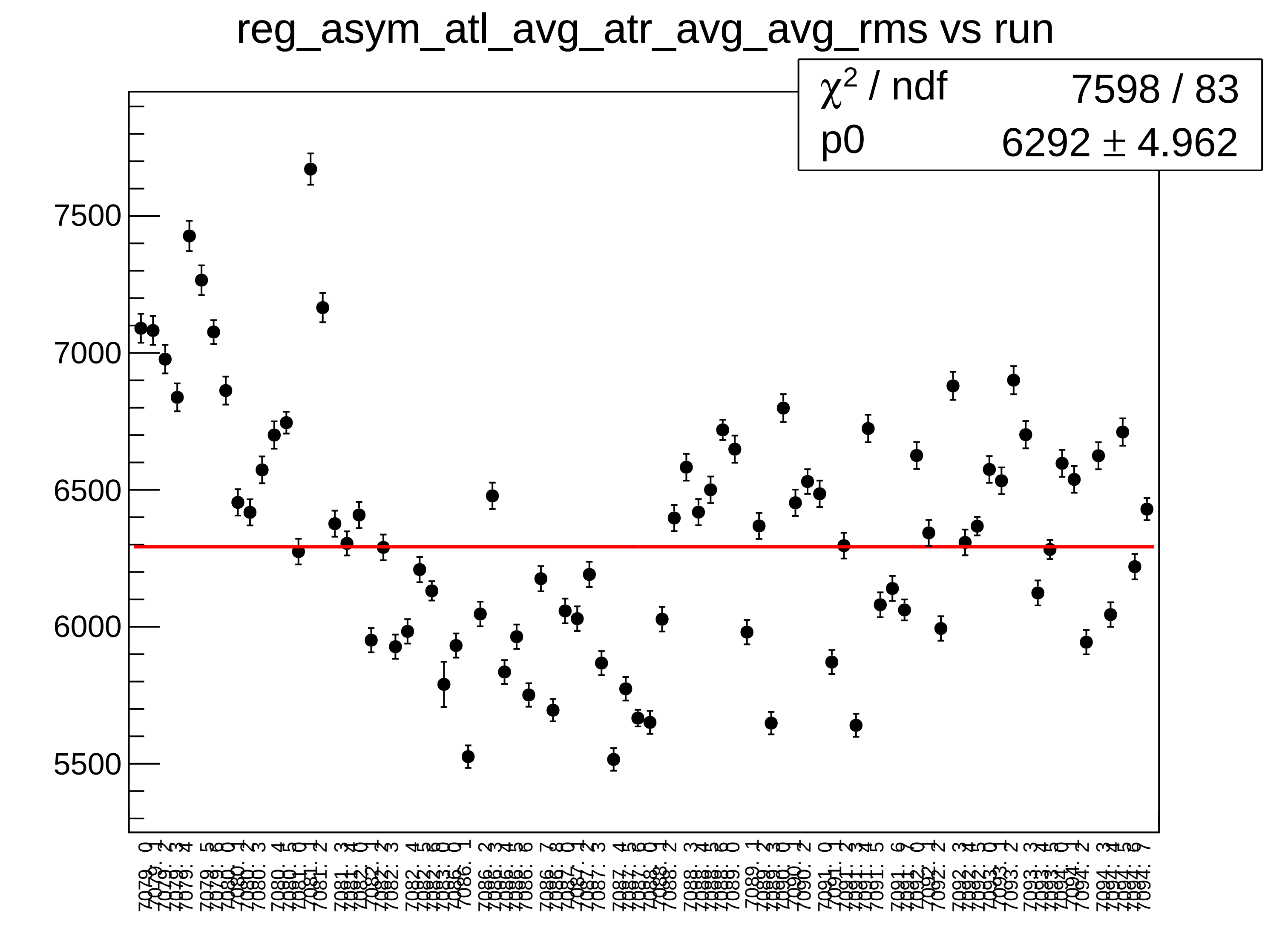


asym_atr1l2_dd_mean vs run
χ^2 / ndf 79.04 / 83
p0 −30.68 ± 6759
pull
Entries 84
Mean −62.55
Std Dev 97.41
pull1D
Entries 84
Mean 0.01359
Std Dev 0.9699

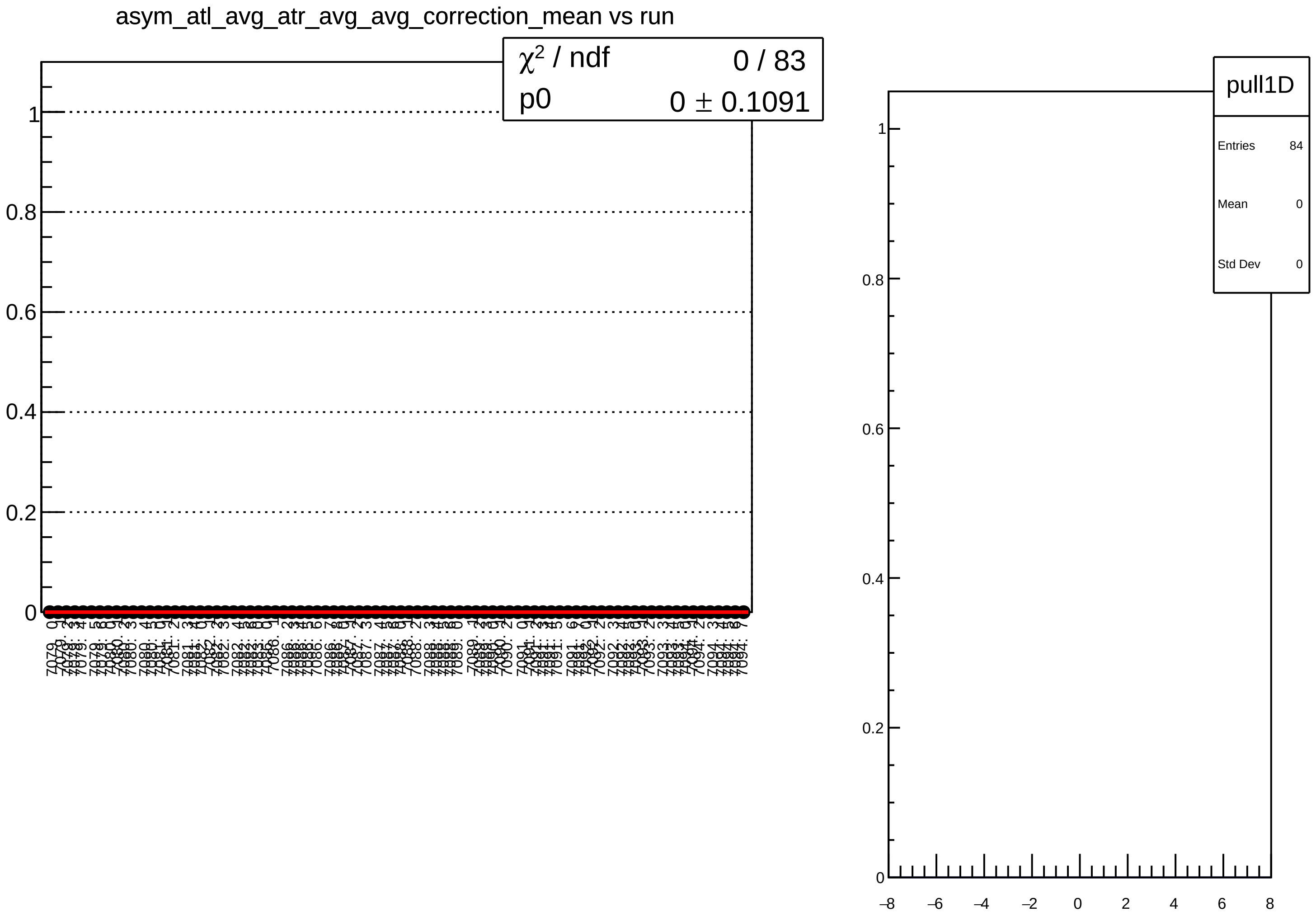


asym_atr1l2_dd_rms vs run
χ^2 / ndf 8478 / 83
p0 6059 ± 4.779
7500
7000
6500
6000
5500

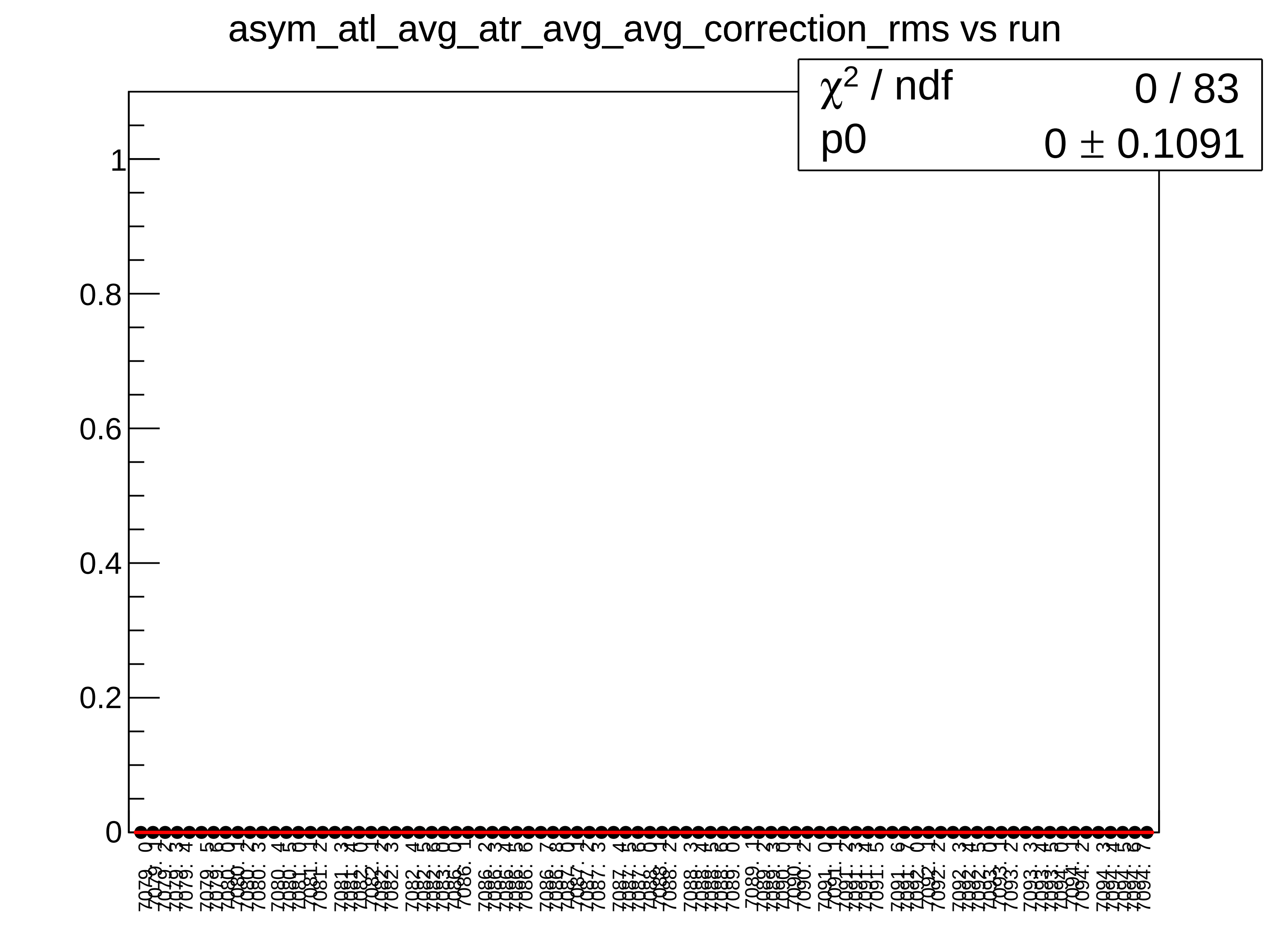

reg_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 75.26 / 83
p0 2627 ± 7017
pull
Entries 84
Mean −88.42
Std Dev 120.4
pull1D
Entries 84
Mean −0.01667
Std Dev 0.9464

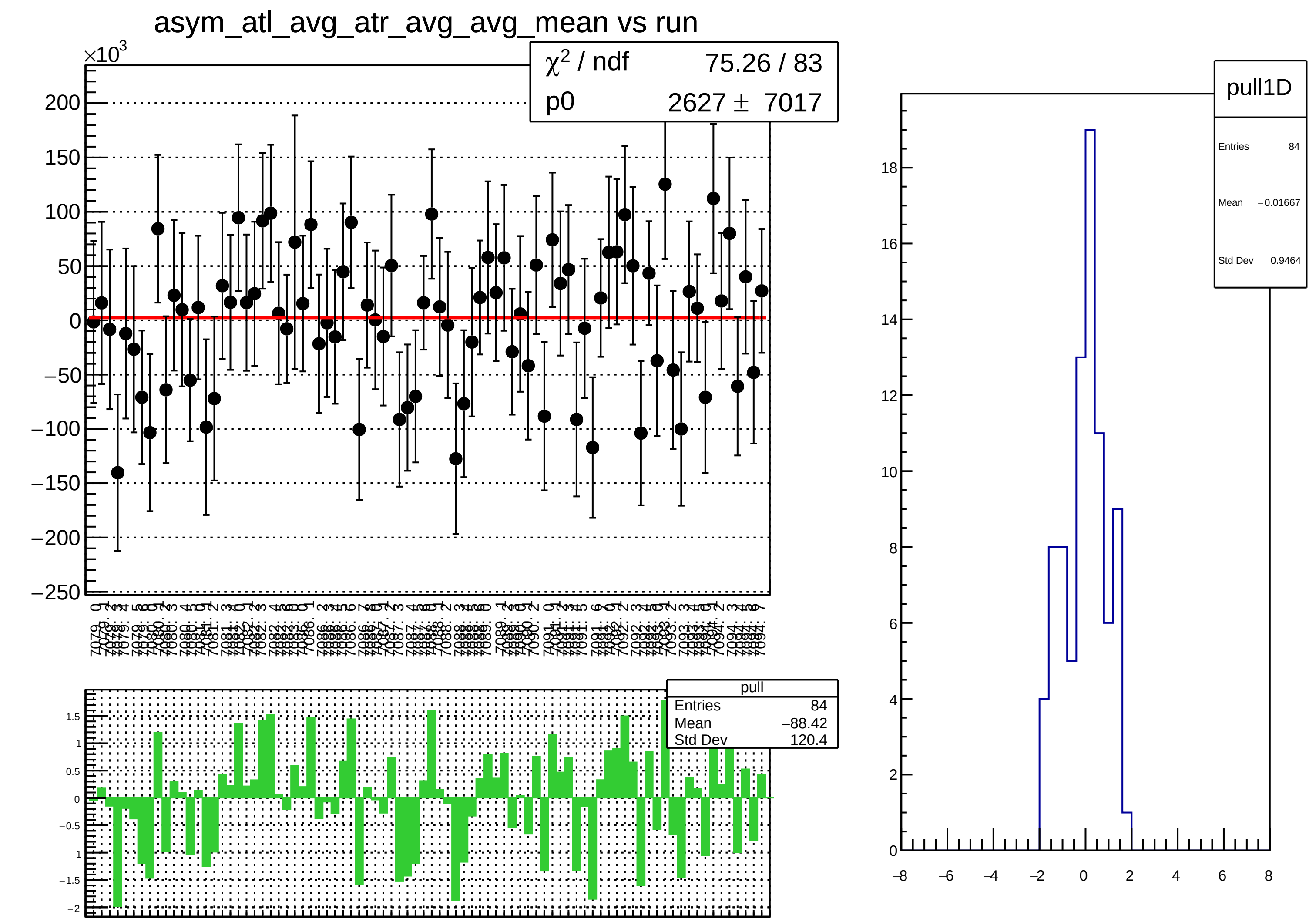


reg_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 7598 / 83
p0 6292 ± 4.962
7500
7000
6500
6000
5500

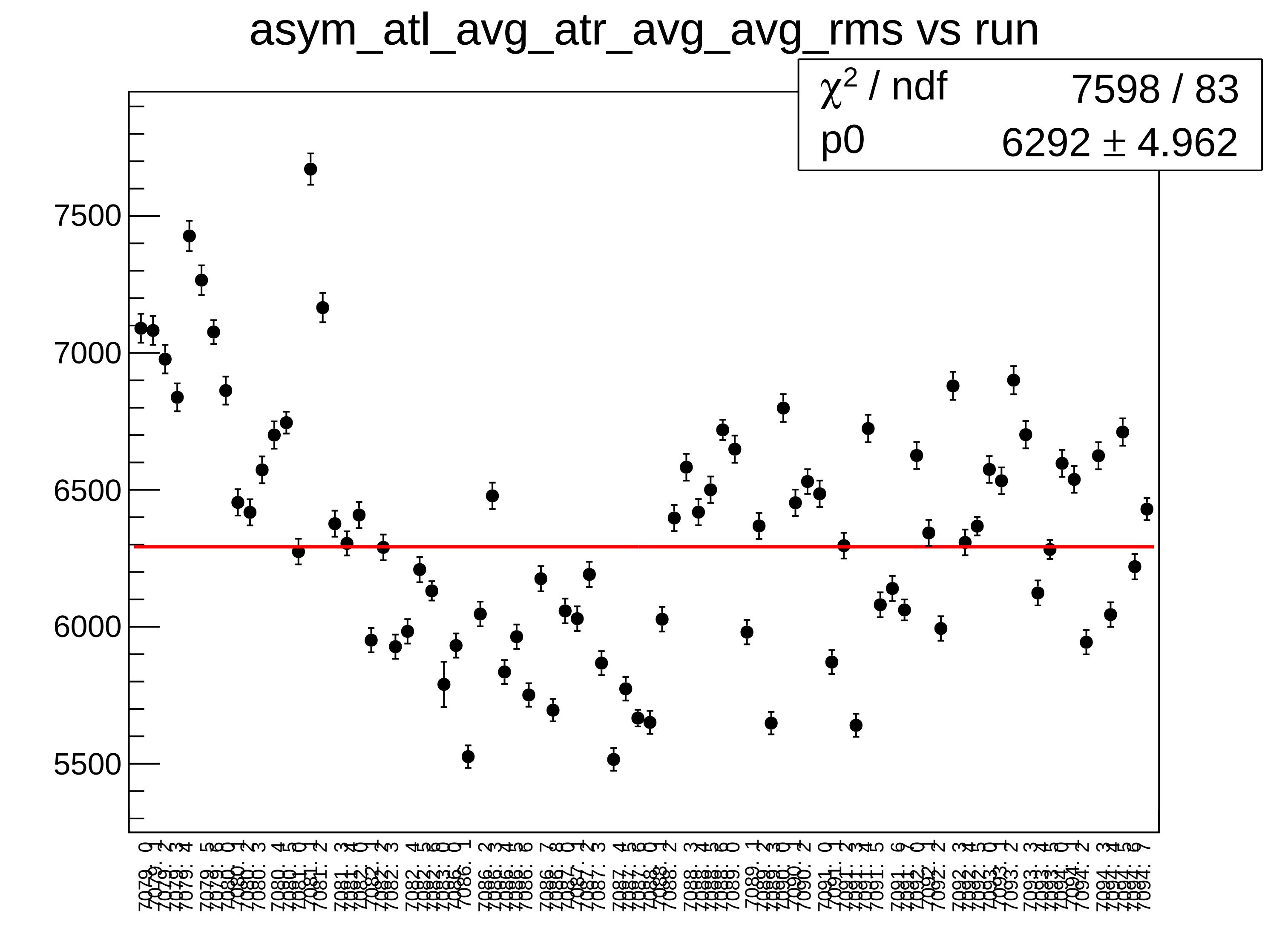


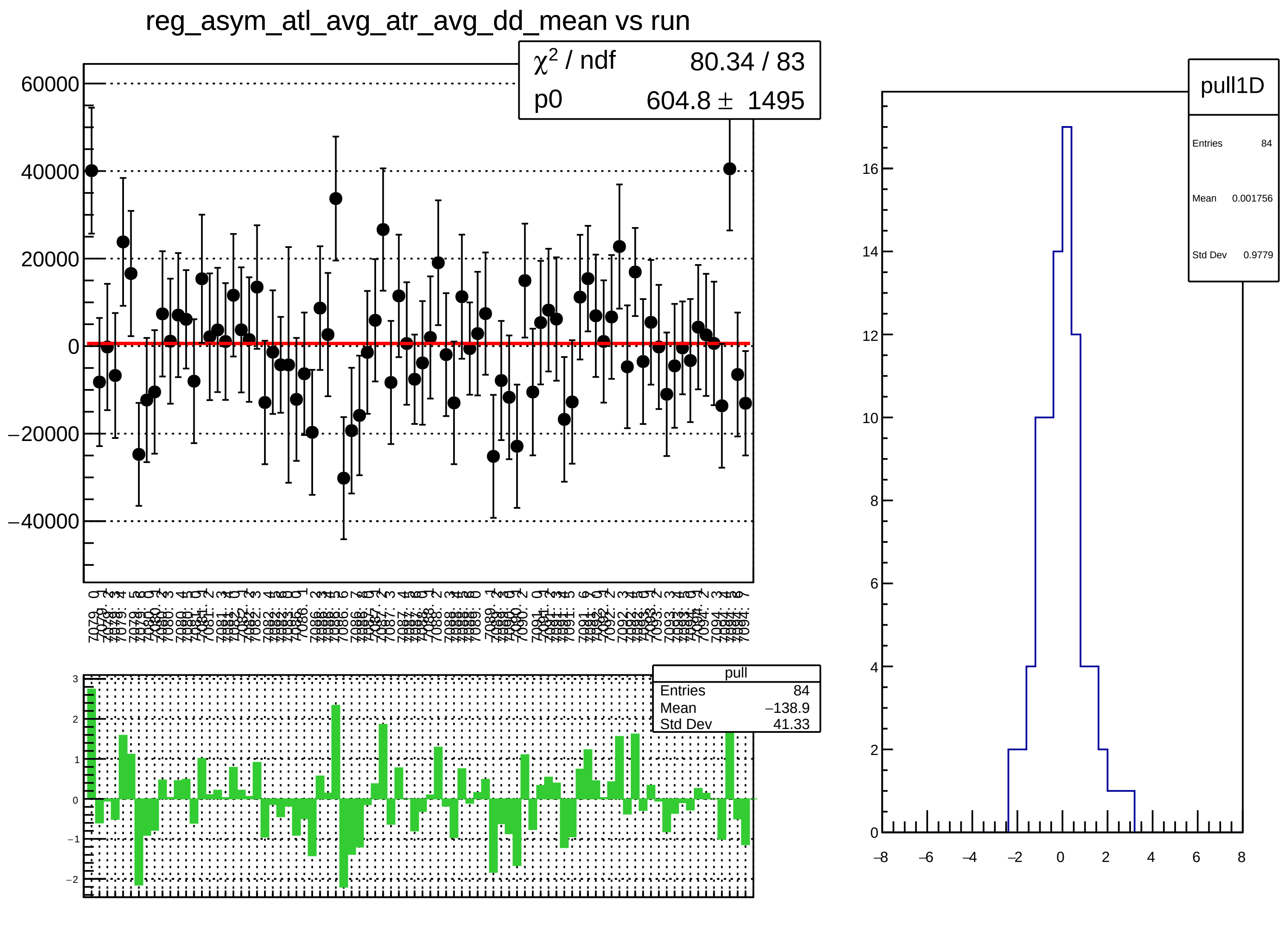
asym_atl_avg_atr_avg_avg_correction_mean vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
pull1D
Entries 84
Mean 0
Std Dev 0


asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

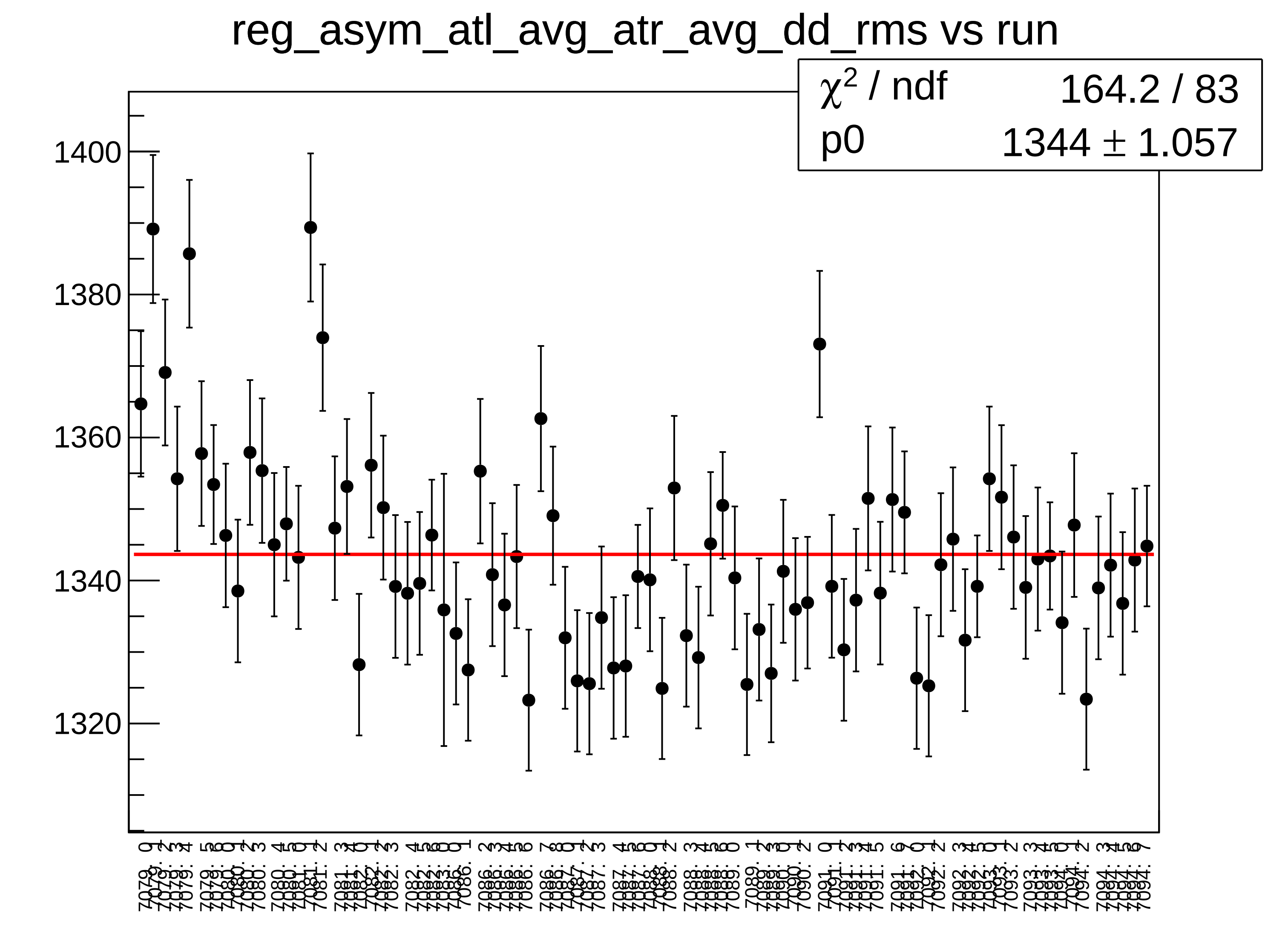


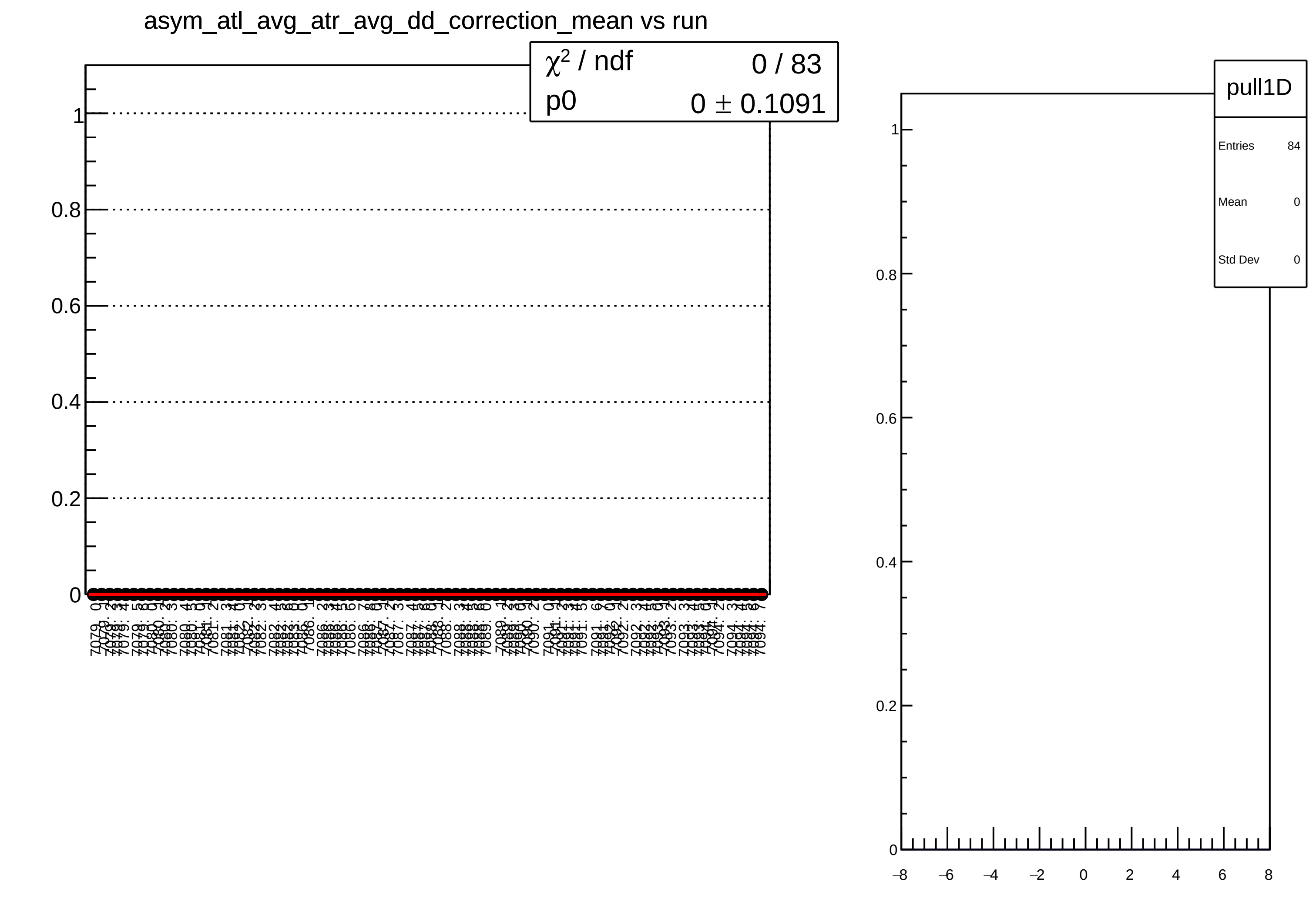
asym_atl_avg_atr_avg_avg_mean vs run
$\times10^3$
χ^2 / ndf 75.26 / 83
p0 2627 ± 7017
pull
Entries 84
Mean −88.42
Std Dev 120.4
pull1D
Entries 84
Mean −0.01667
Std Dev 0.9464


asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 7598 / 83
p0 6292 ± 4.962
7500
7000
6500
6000
5500

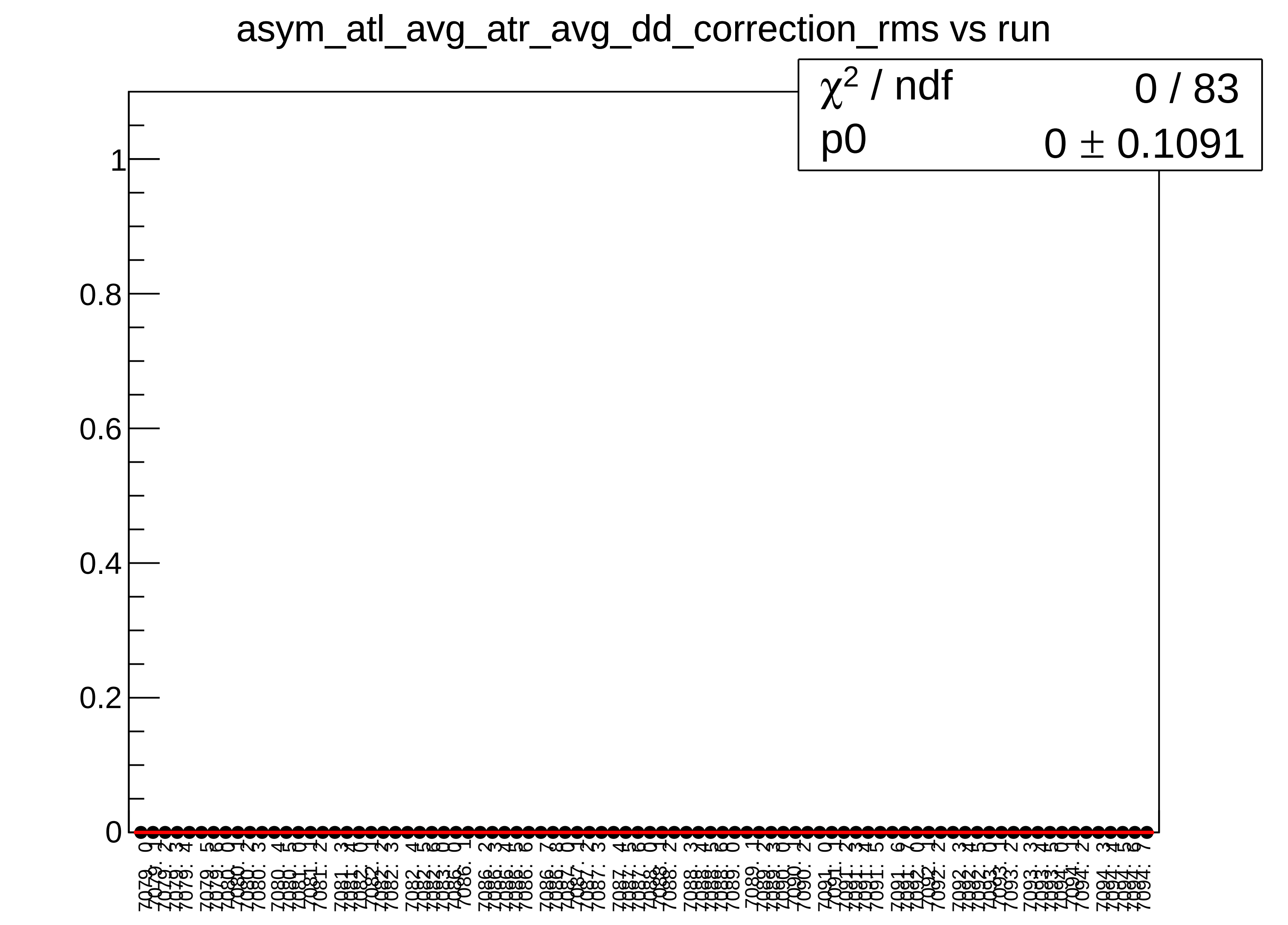


reg_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 80.34 / 83
p0 604.8 ± 1495
pull
Entries 84
Mean −138.9
Std Dev 41.33
pull1D
Entries 84
Mean 0.001756
Std Dev 0.9779

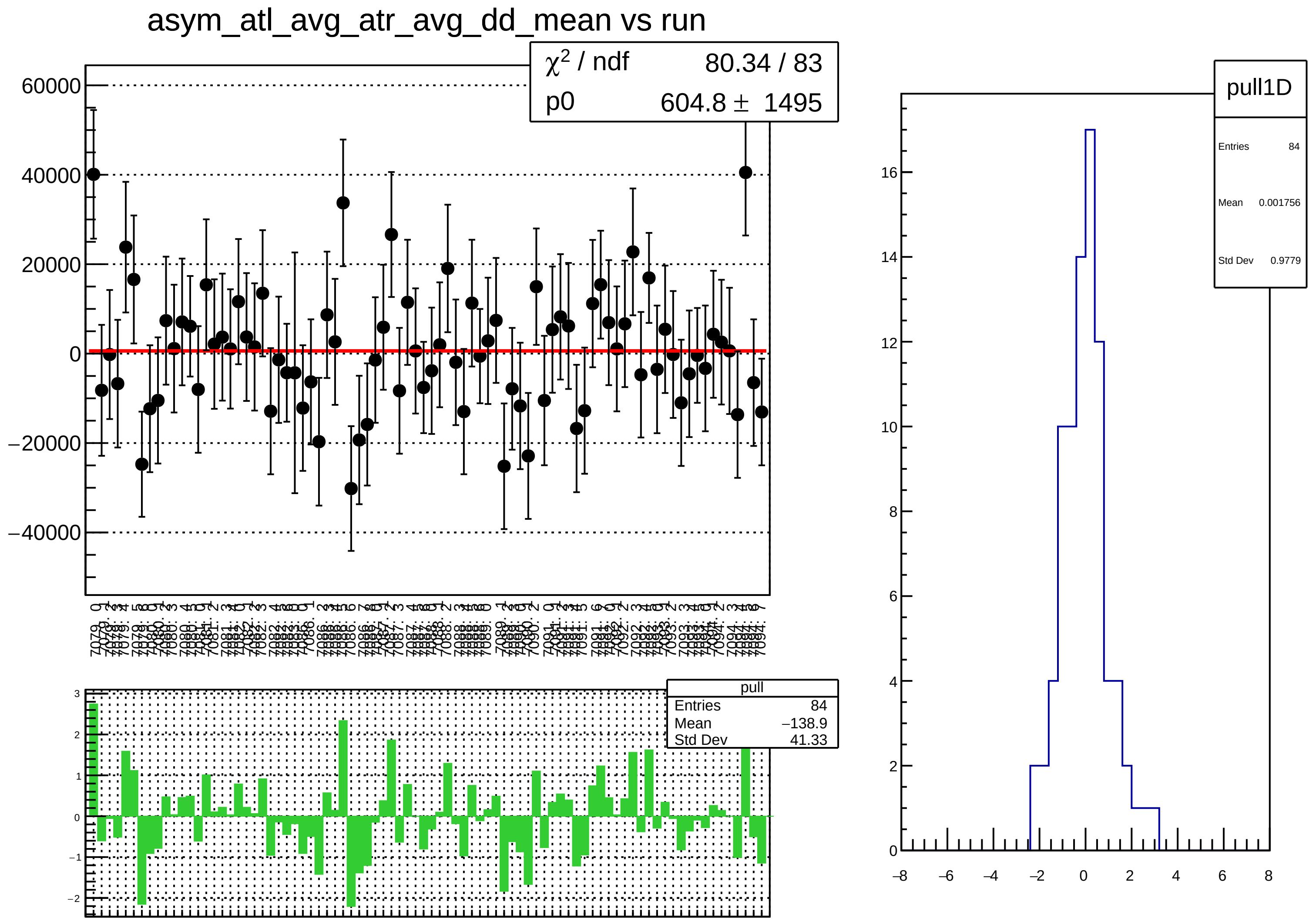

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 164.2 / 83
p0 1344 ± 1.057
1400
1380
1360
1340
1320

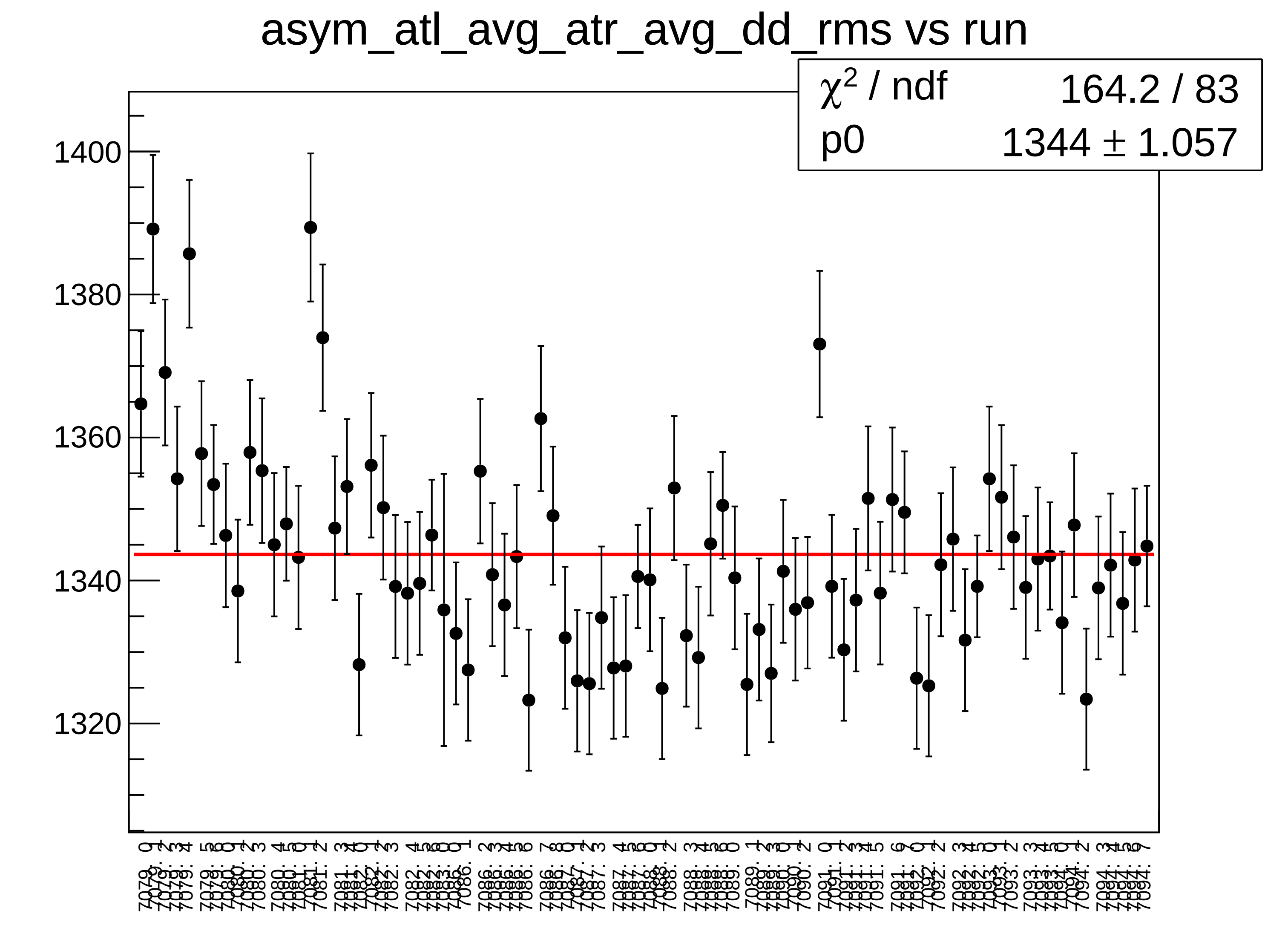


asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
pull1D
Entries 84
Mean 0
Std Dev 0

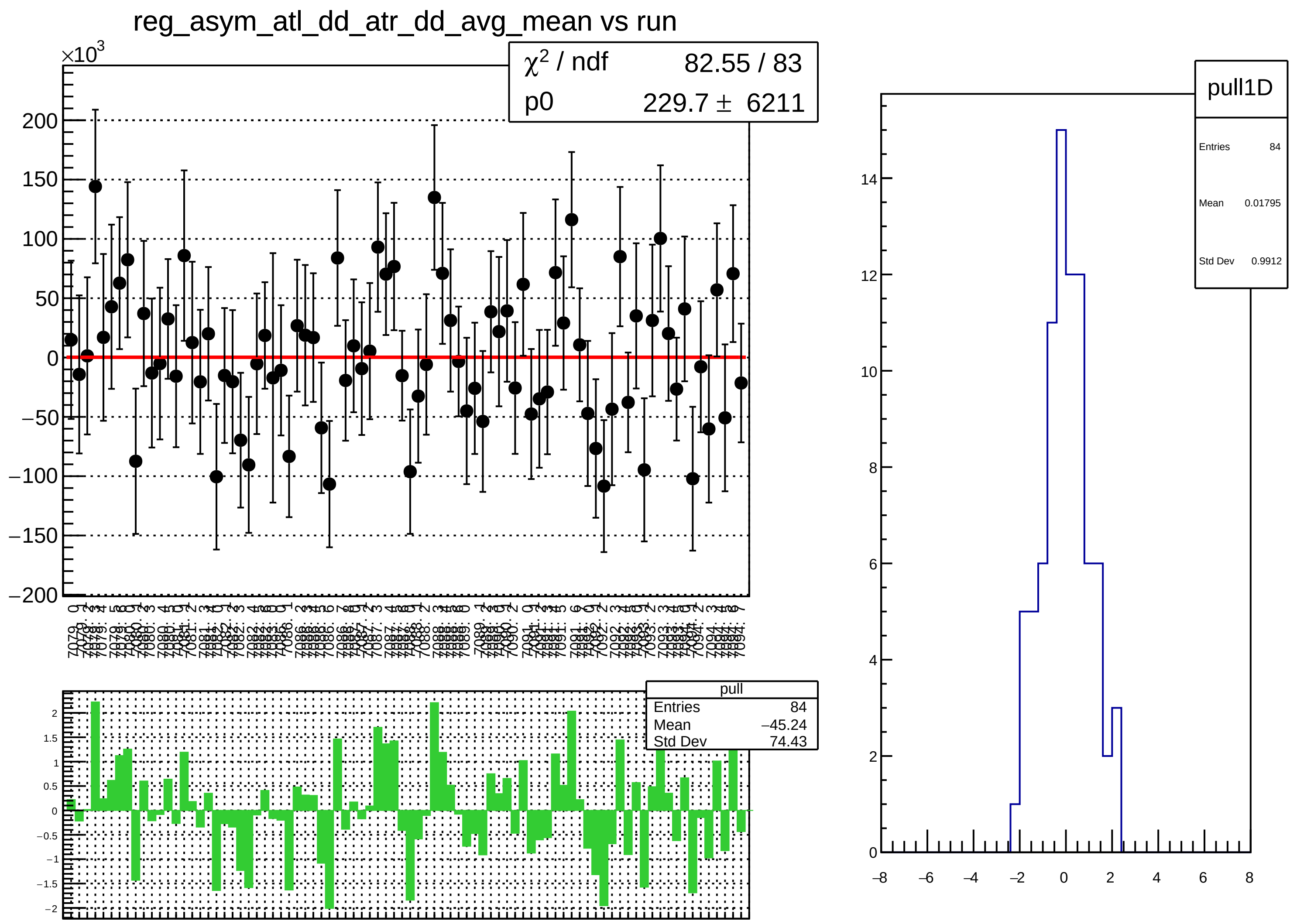


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

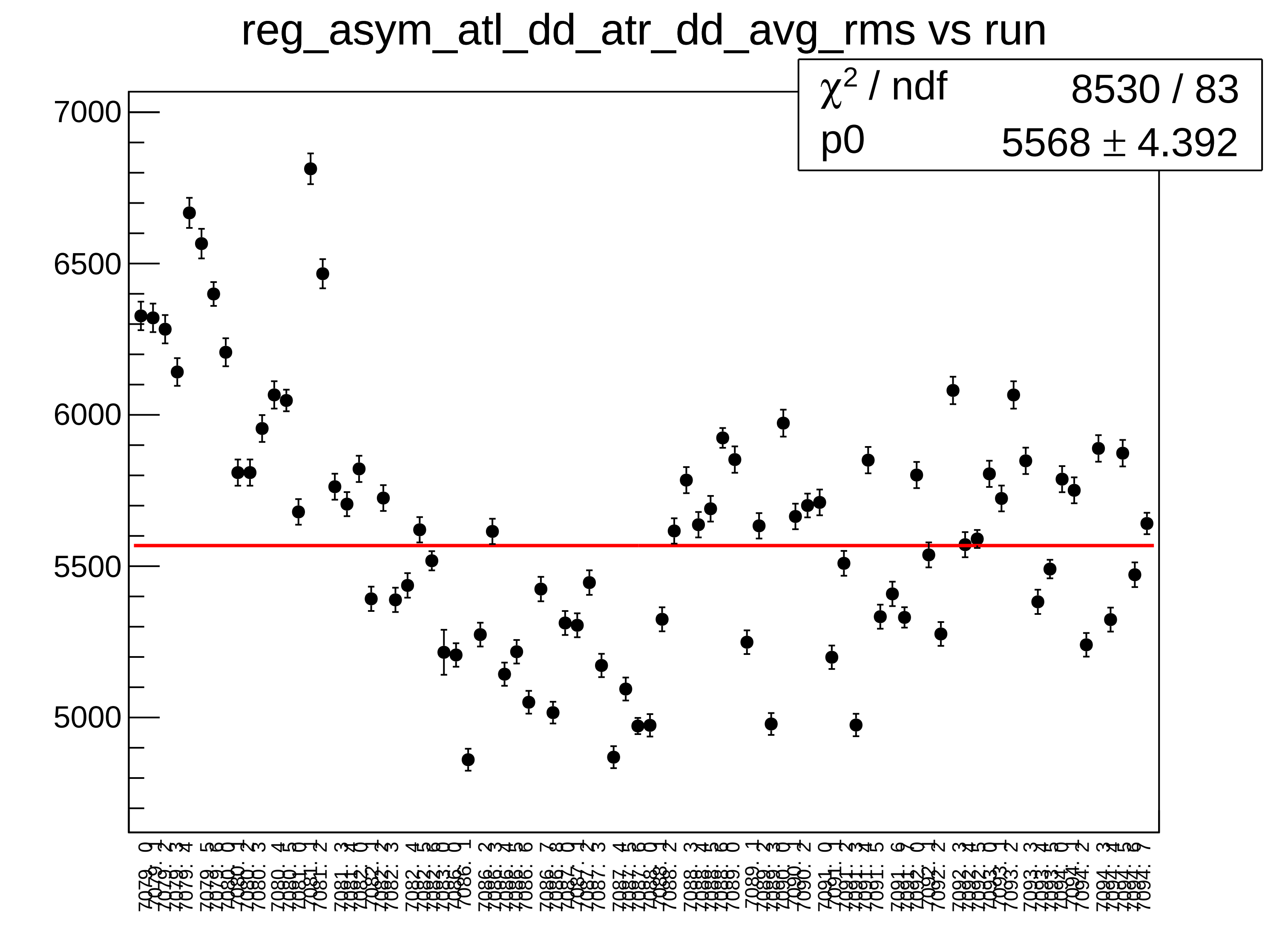

asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 80.34 / 83
p0 604.8 ± 1495
pull
Entries 84
Mean −138.9
Std Dev 41.33
pull1D
Entries 84
Mean 0.001756
Std Dev 0.9779



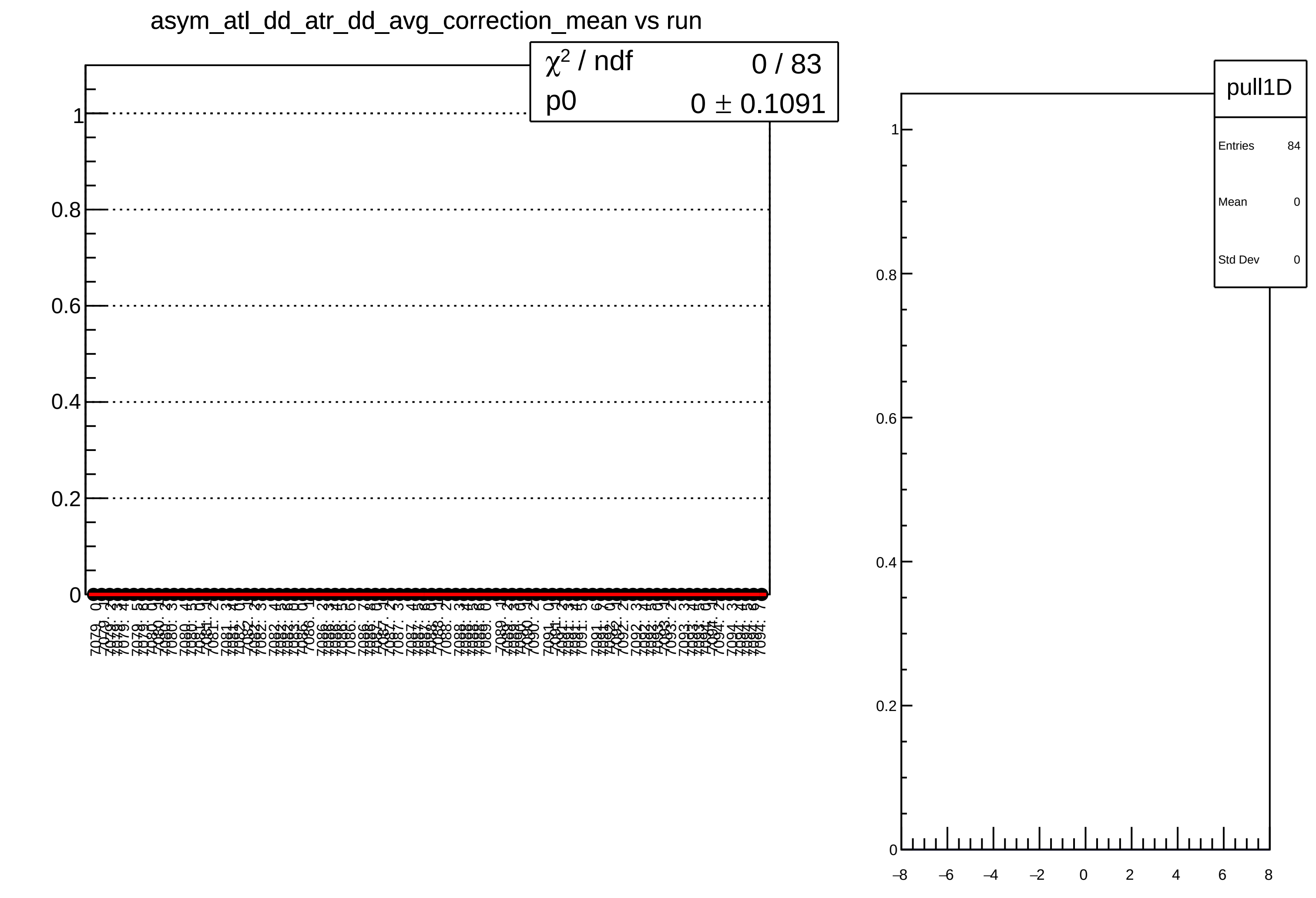
asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 164.2 / 83
p0 1344 ± 1.057
1400
1380
1360
1340
1320

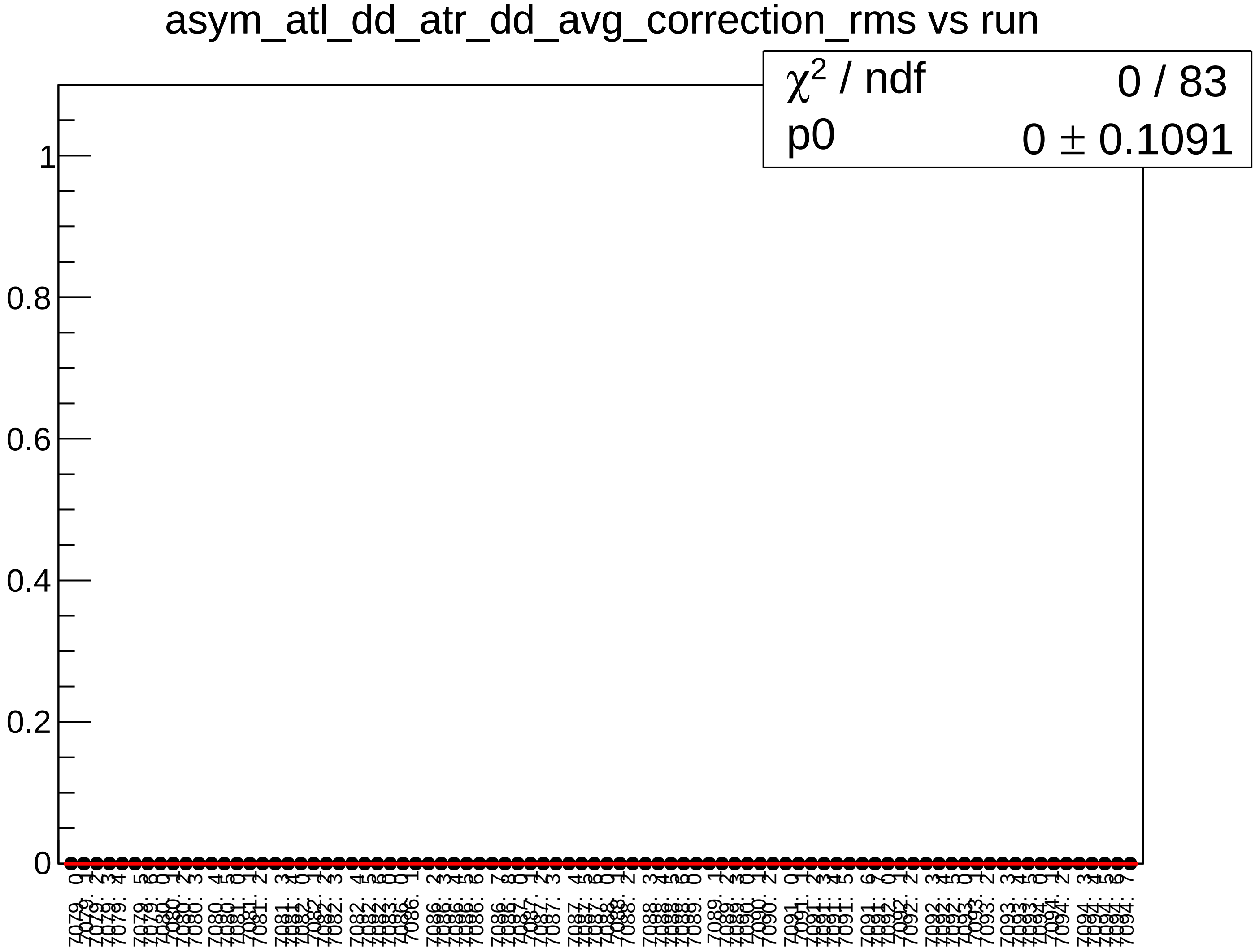


reg_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 82.55 / 83
p0 229.7 ± 6211
×10^3
pull
Entries 84
Mean −45.24
Std Dev 74.43
pull1D
Entries 84
Mean 0.01795
Std Dev 0.9912

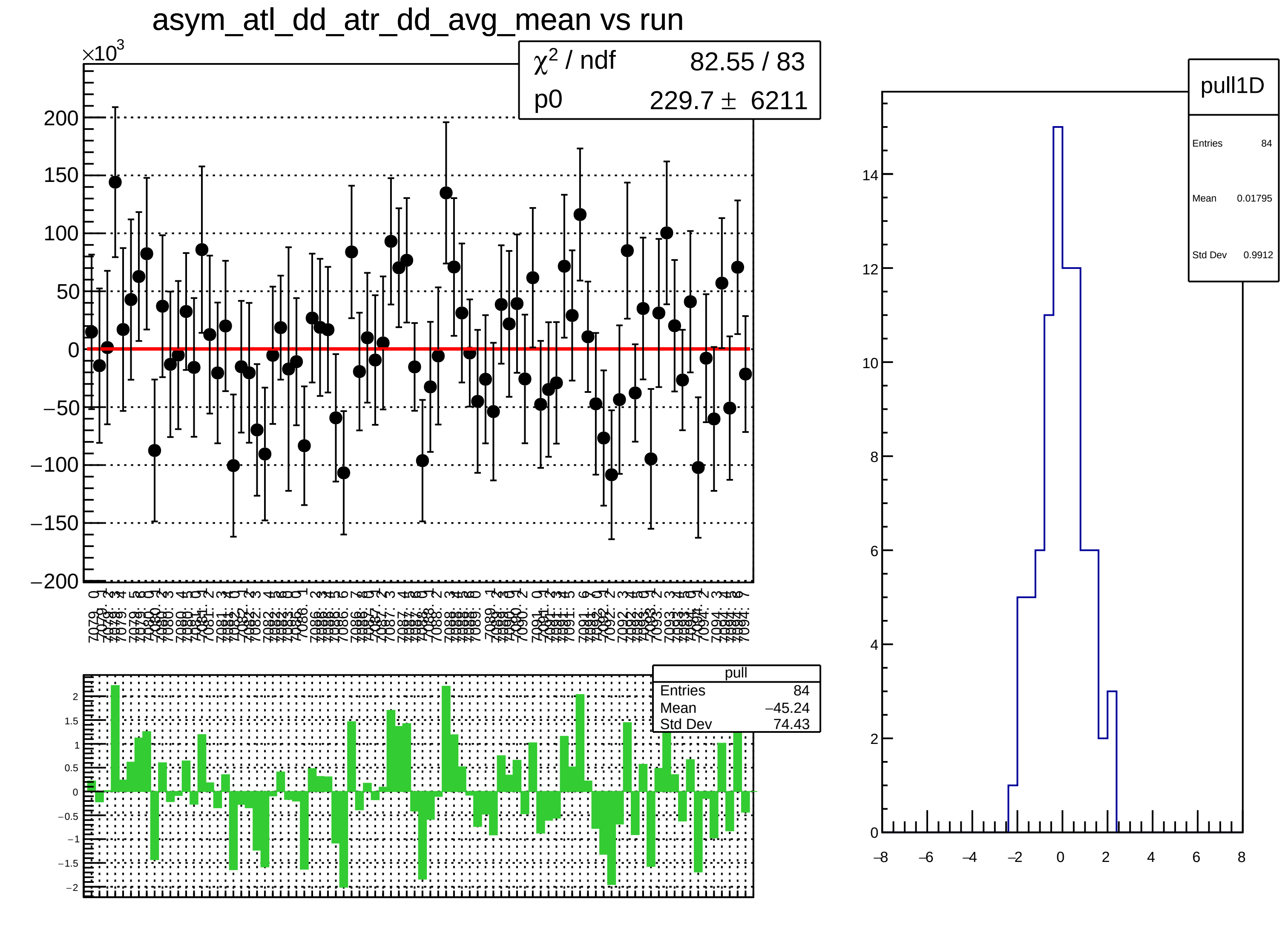


reg_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 8530 / 83
p0 5568 ± 4.392
7000
6500
6000
5500
5000

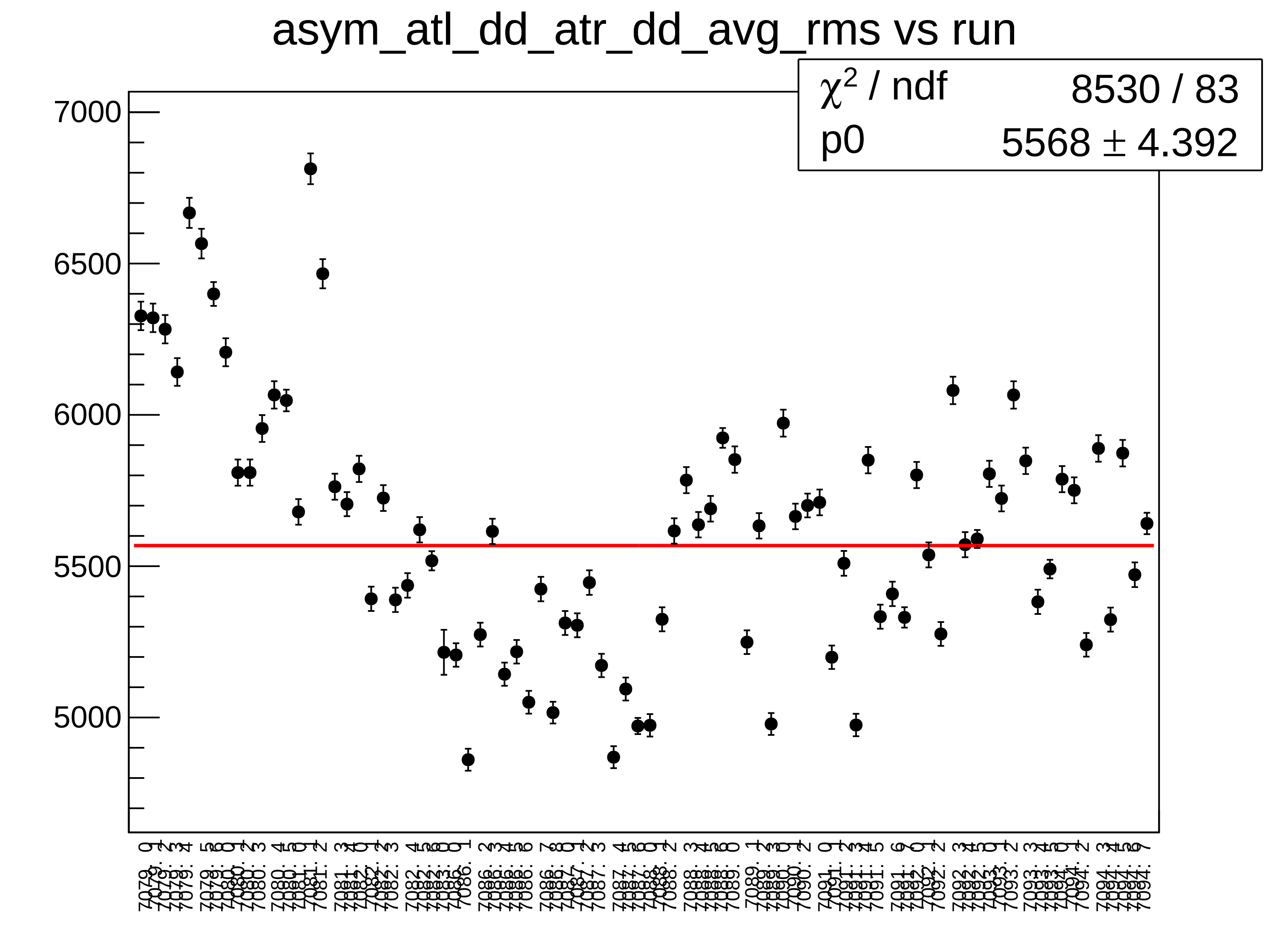

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ2 / ndf 0 / 83
p0 0 ± 0.1091
pull1D
Entries 84
Mean 0
Std Dev 0

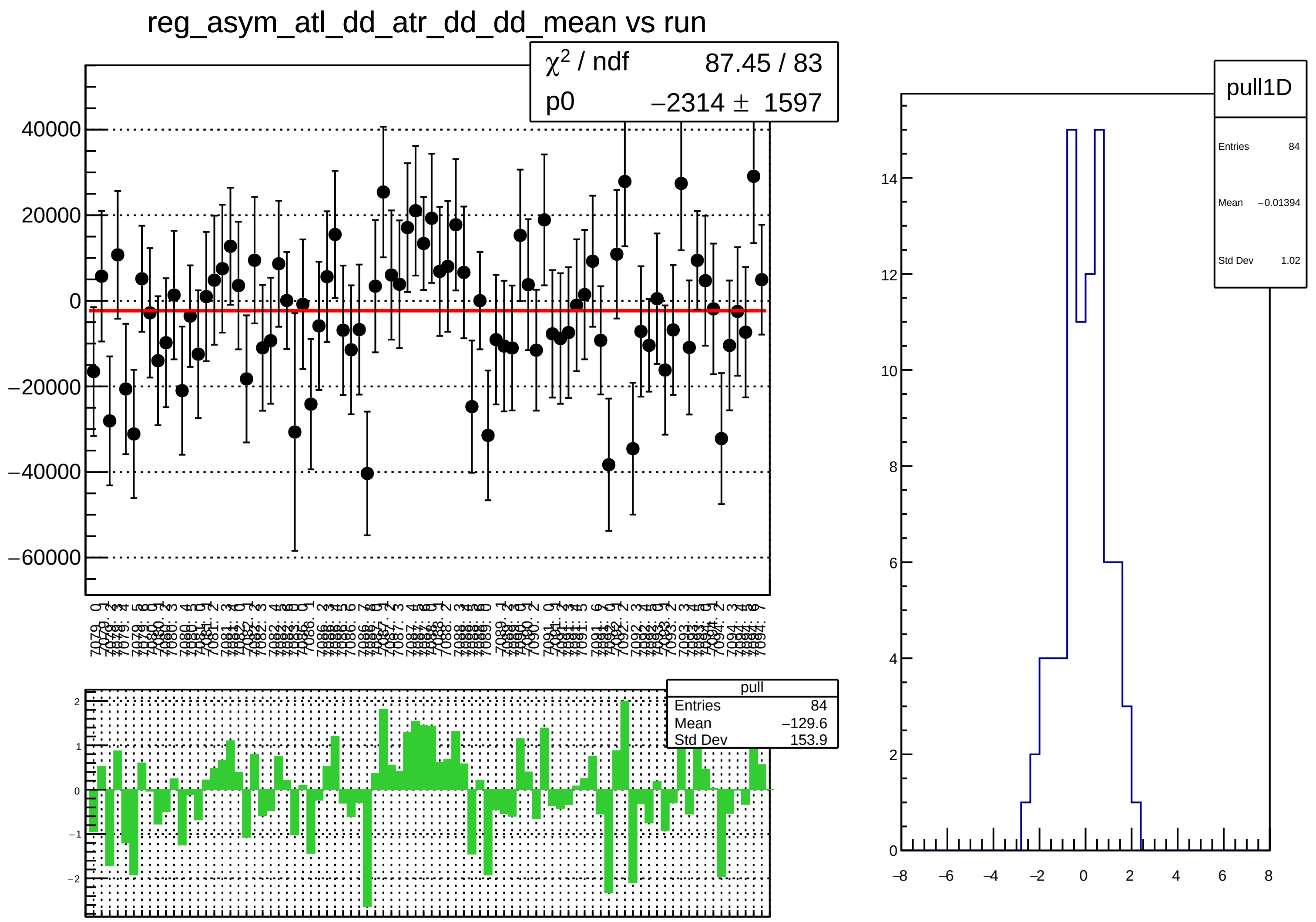


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
0
0.2
0.4
0.6
0.8
1

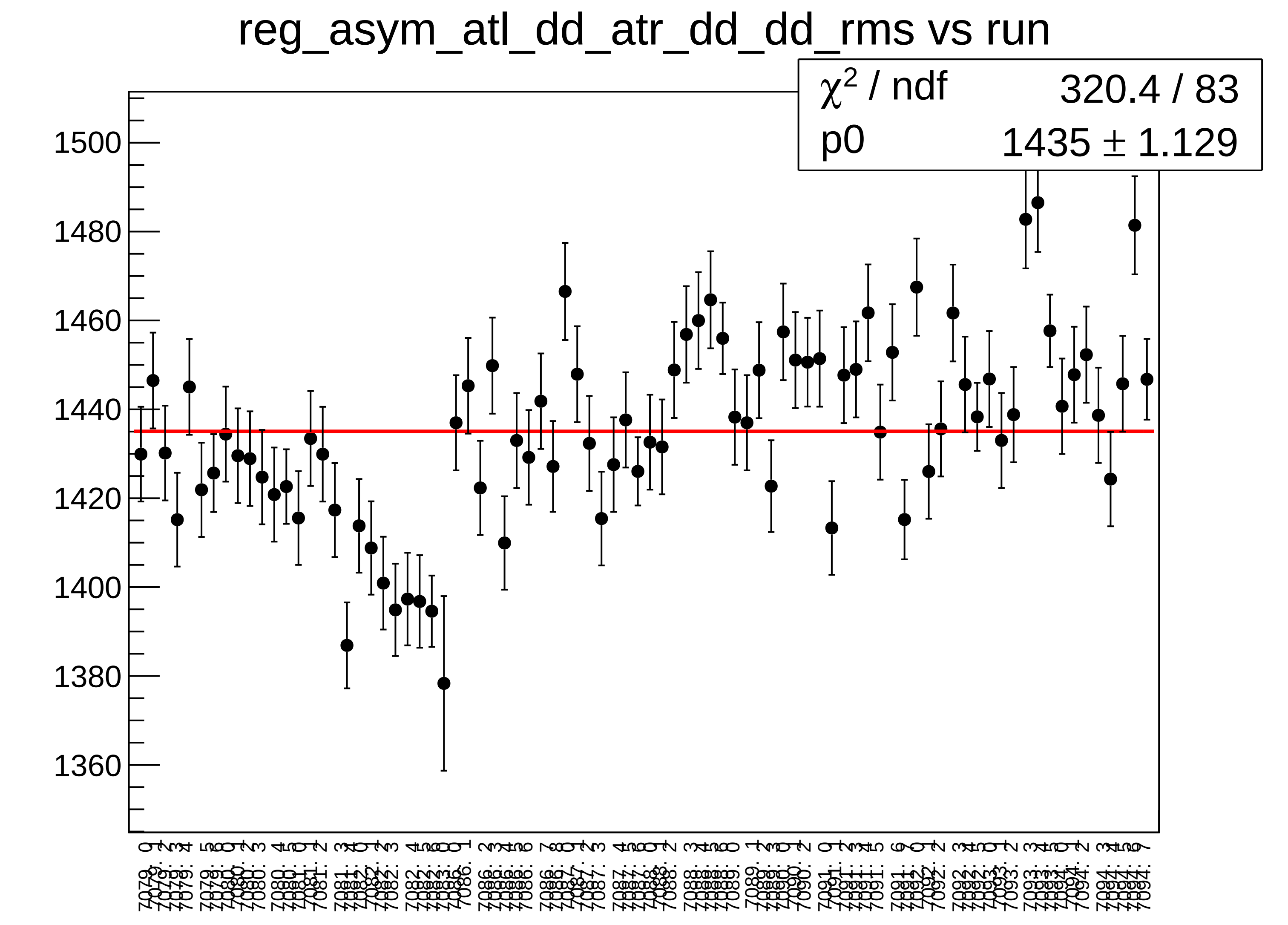


asym_atl_dd_atr_dd_avg_mean vs run
$\times10^3$
χ^2 / ndf 82.55 / 83
p0 229.7 ± 6211
pull
Entries 84
Mean −45.24
Std Dev 74.43
pull1D
Entries 84
Mean 0.01795
Std Dev 0.9912


asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 8530 / 83
p0 5568 ± 4.392
7000
6500
6000
5500
5000

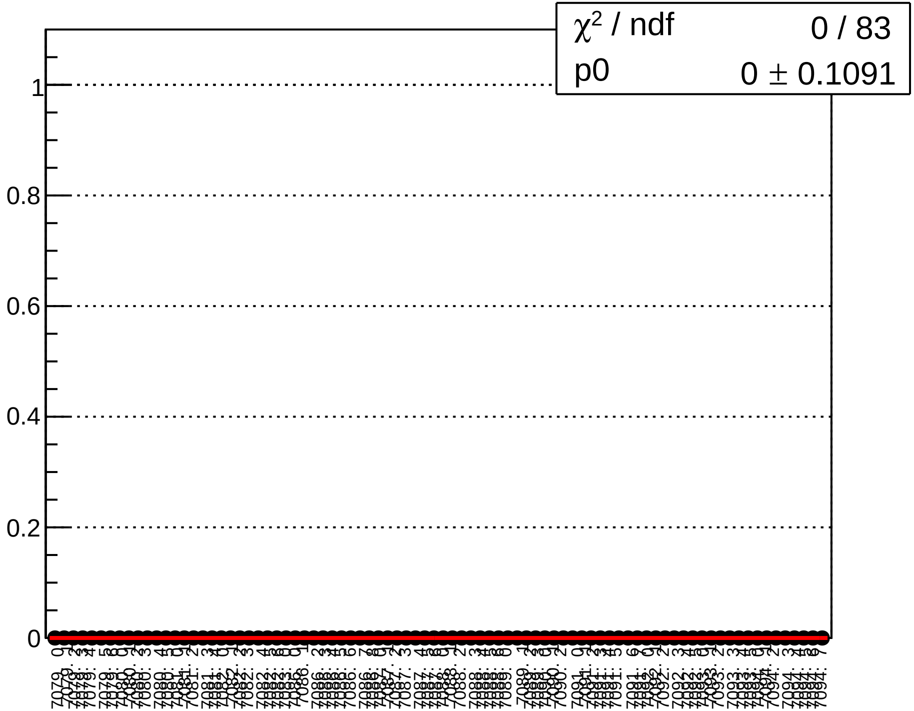


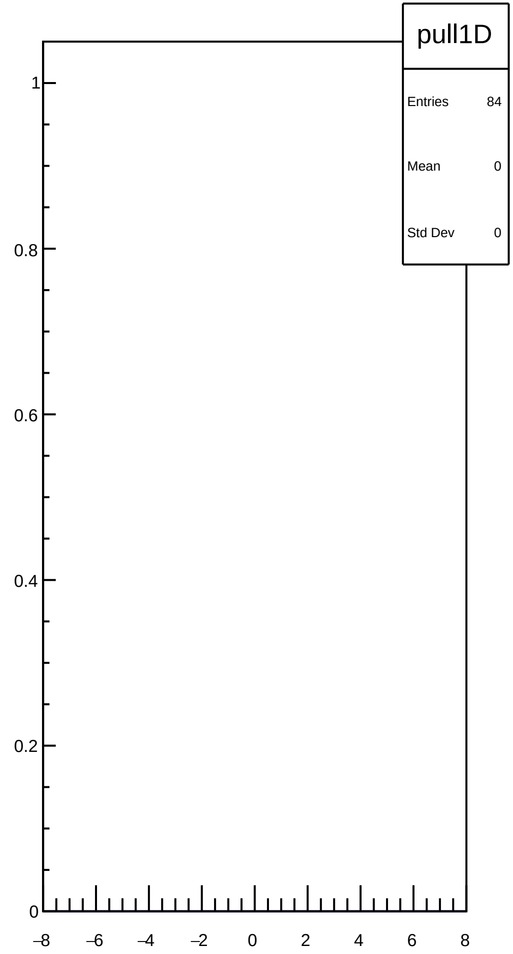
reg_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 87.45 / 83
p0 −2314 ± 1597
pull
Entries 84
Mean −129.6
Std Dev 153.9
pull1D
Entries 84
Mean −0.01394
Std Dev 1.02

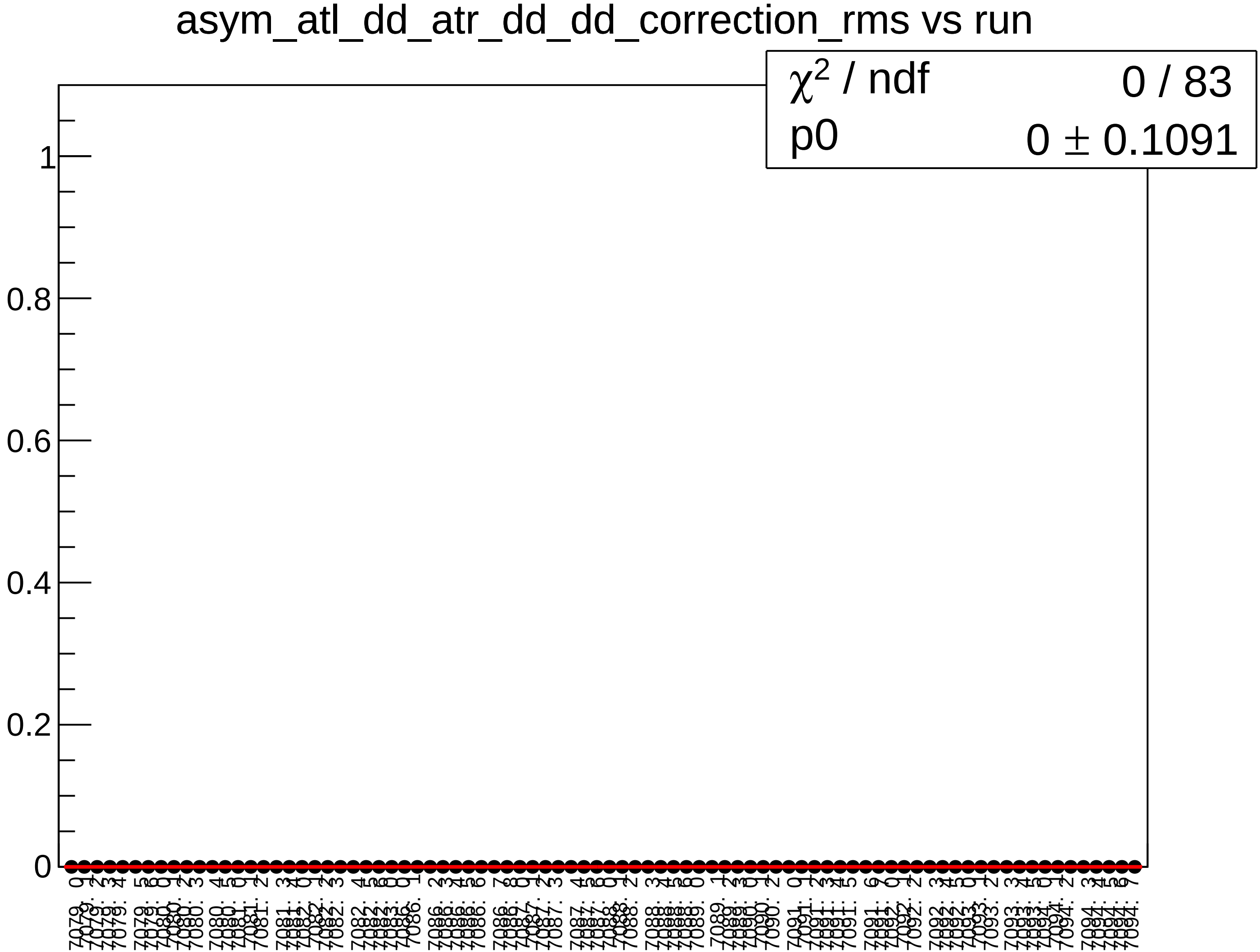


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 320.4 / 83
p0 1435 ± 1.129
1500
1480
1460
1440
1420
1400
1380
1360

asym_atl_dd_atr_dd_dd_correction_mean vs run

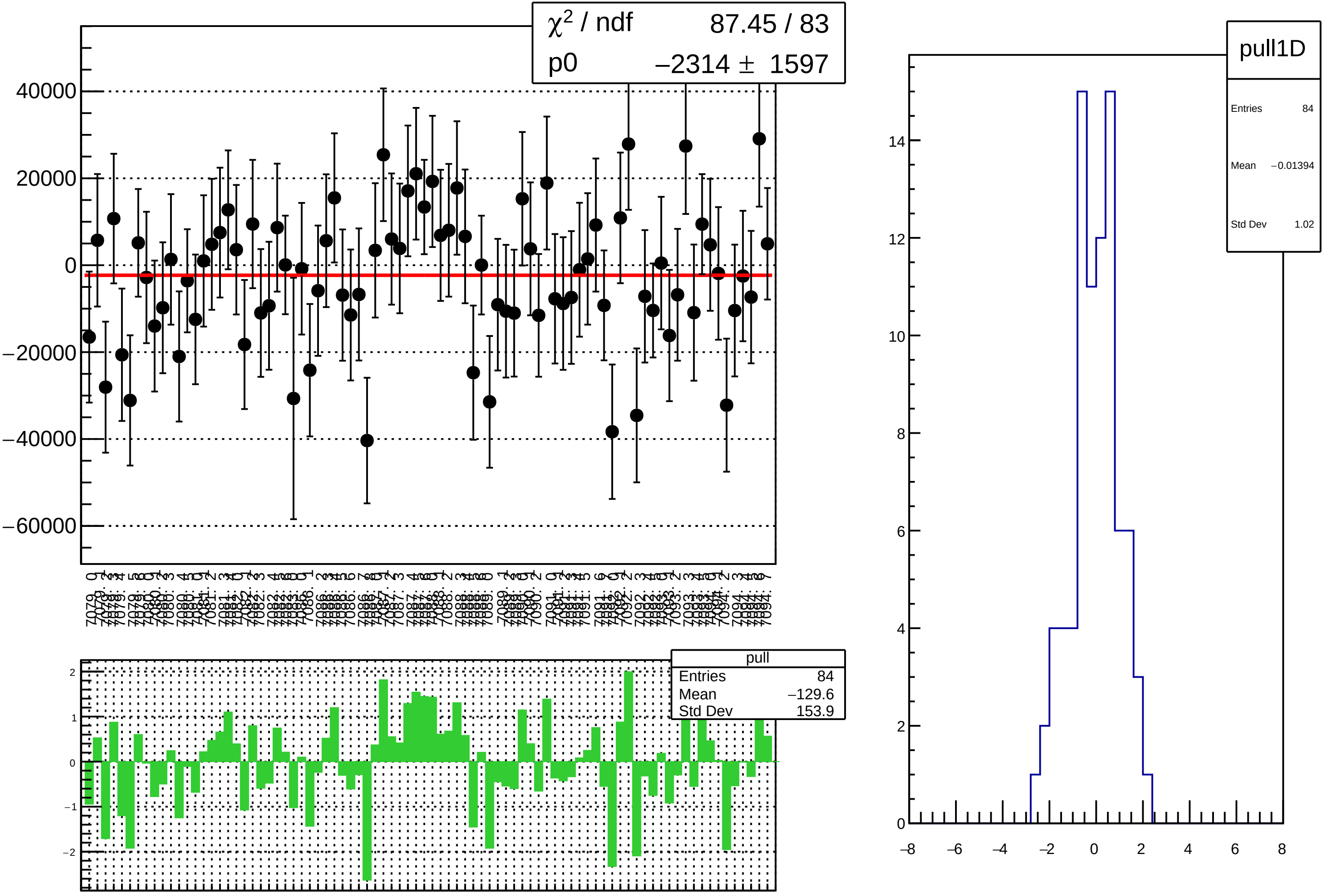


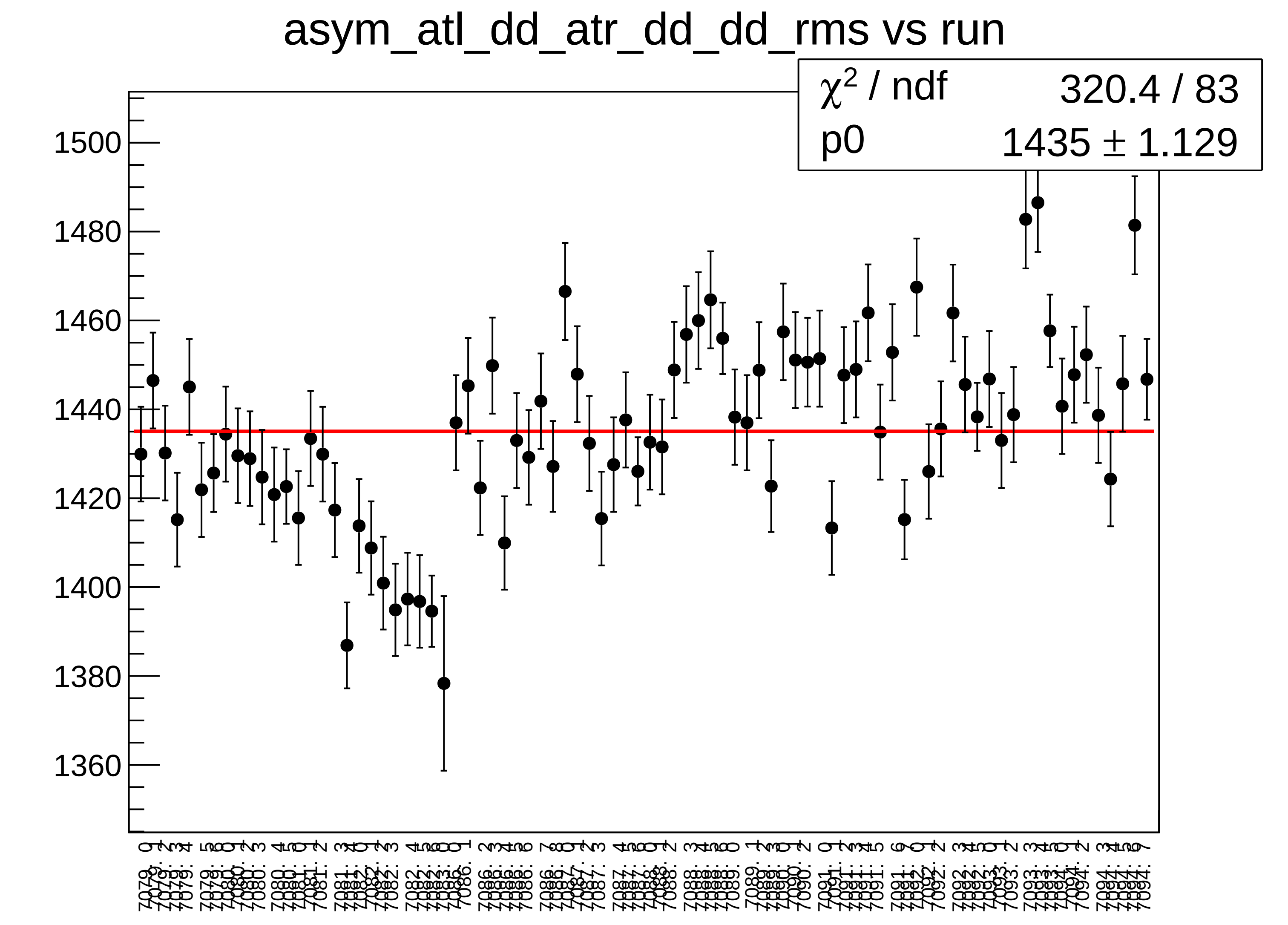


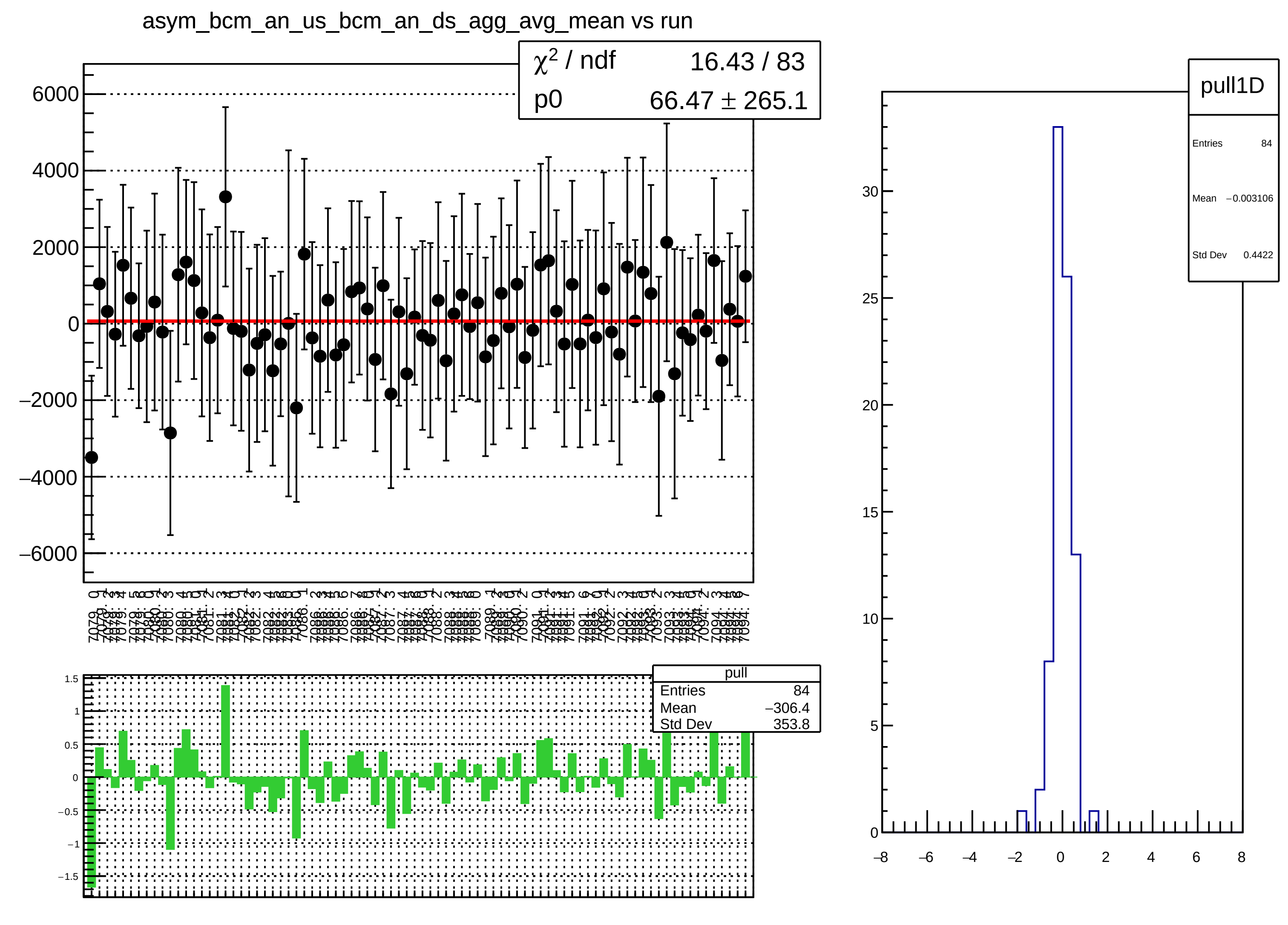


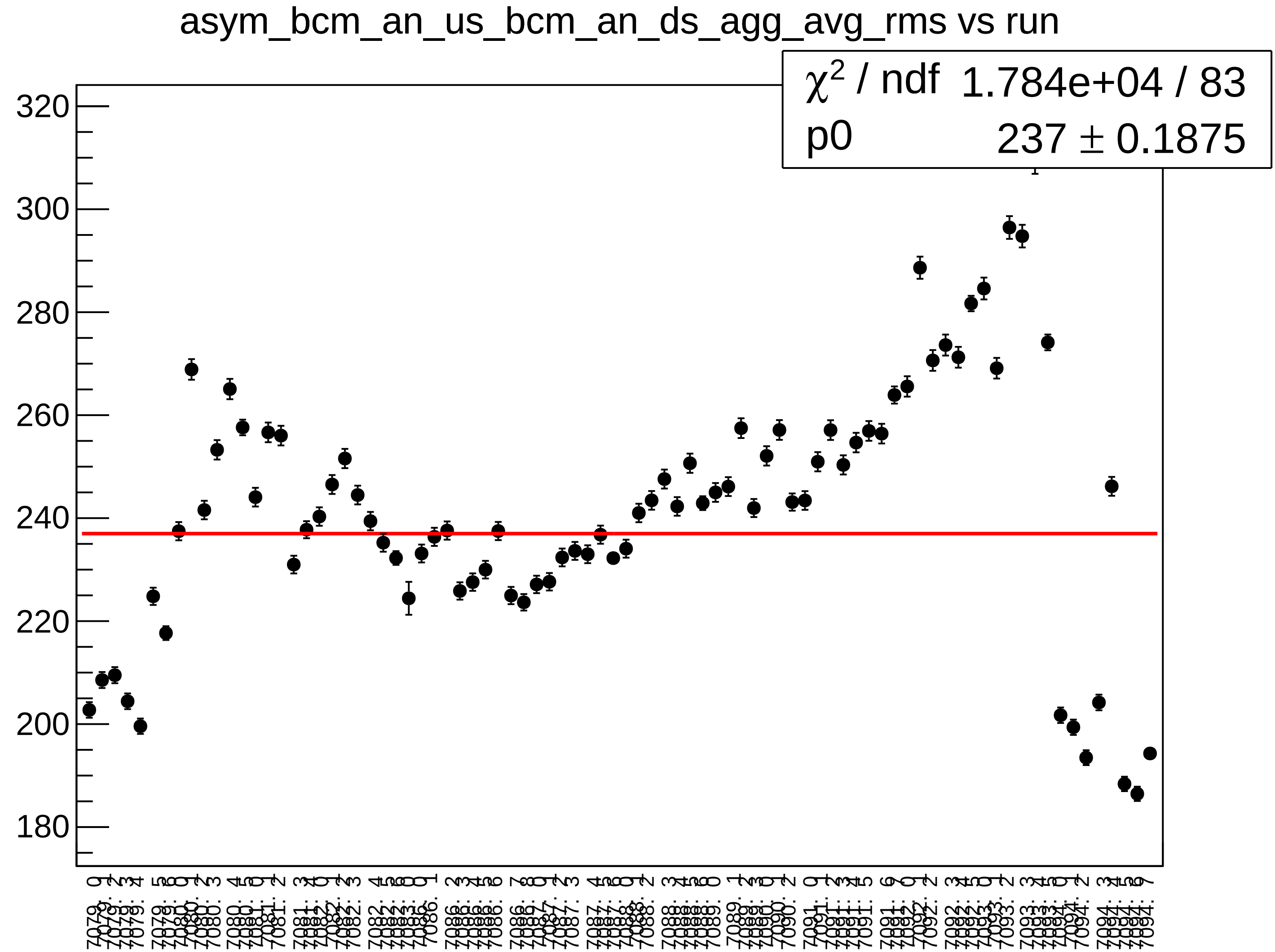
asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

asym_atl_dd_atr_dd_dd_mean vs run

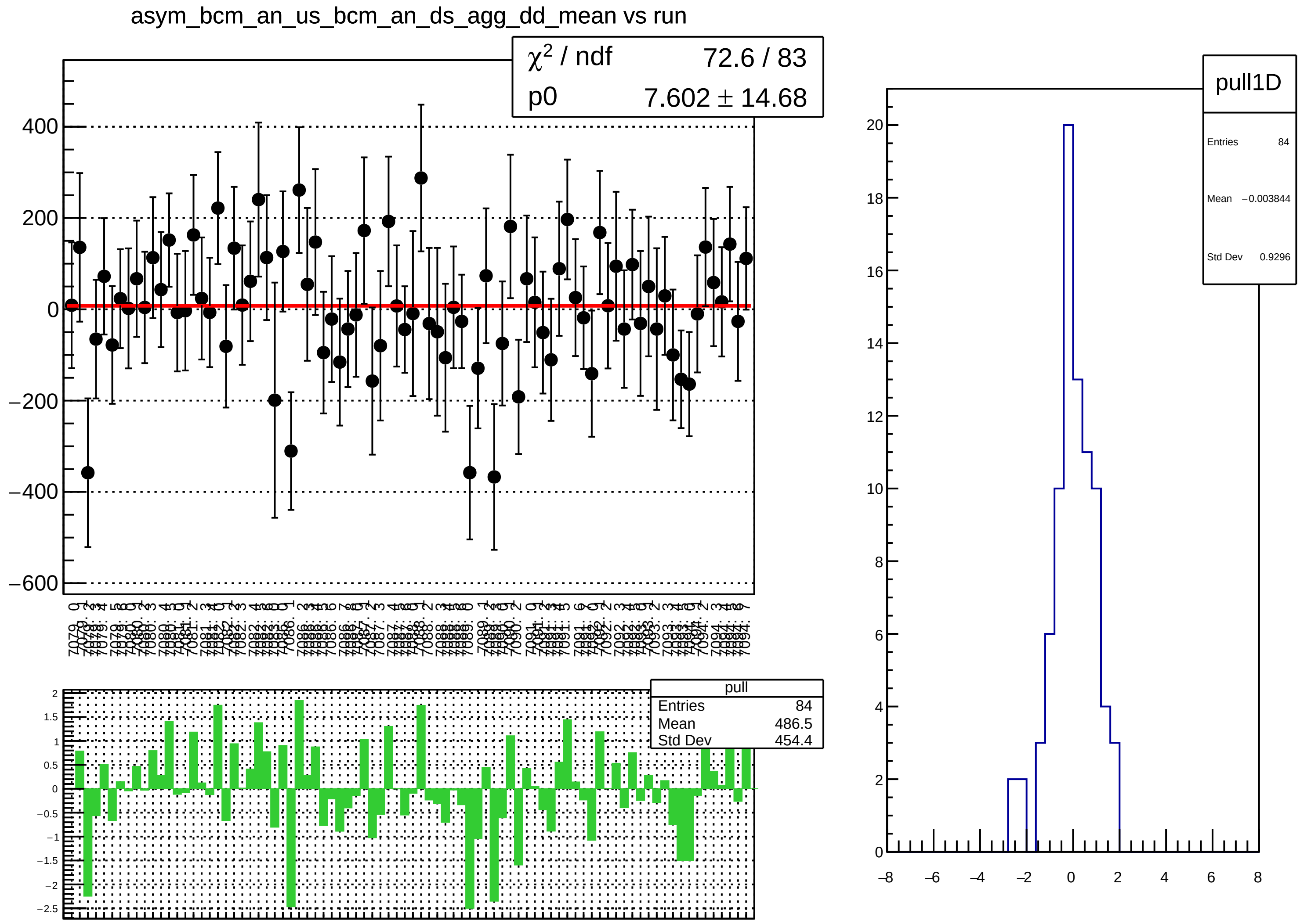


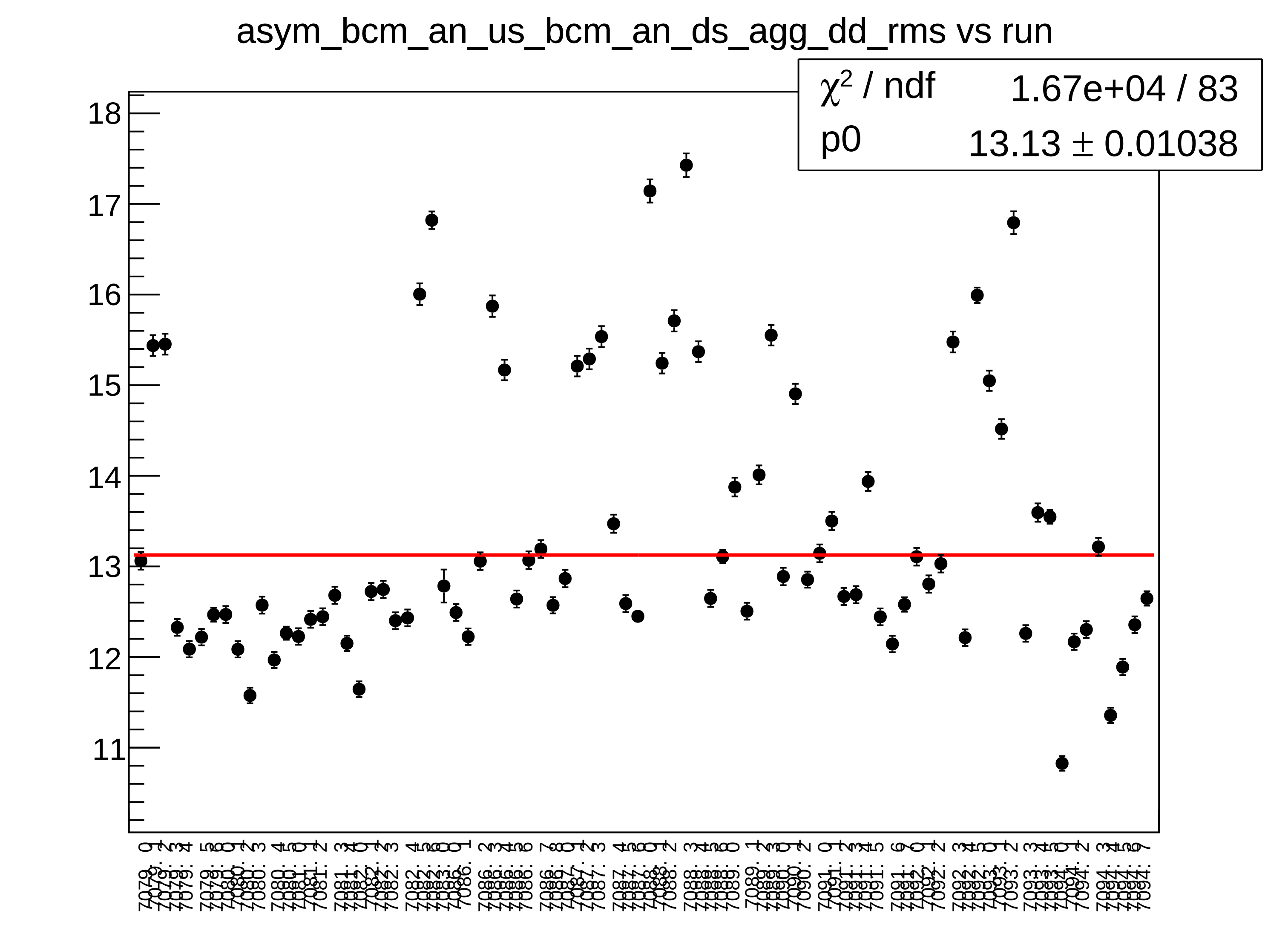

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 320.4 / 83
p0 1435 ± 1.129

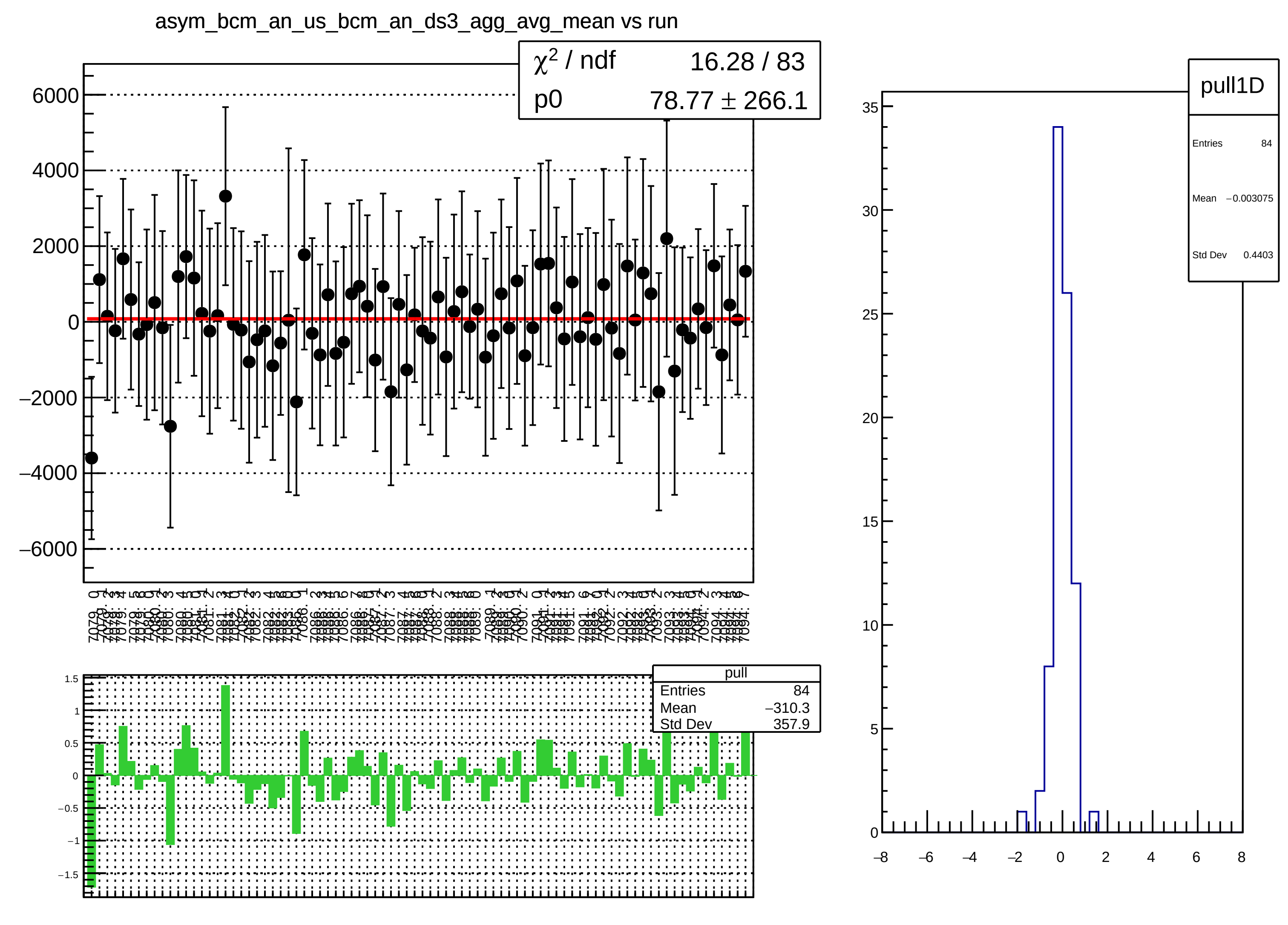

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 16.43 / 83
p0 66.47 ± 265.1
pull
Entries 84
Mean −306.4
Std Dev 353.8
pull1D
Entries 84
Mean −0.003106
Std Dev 0.4422



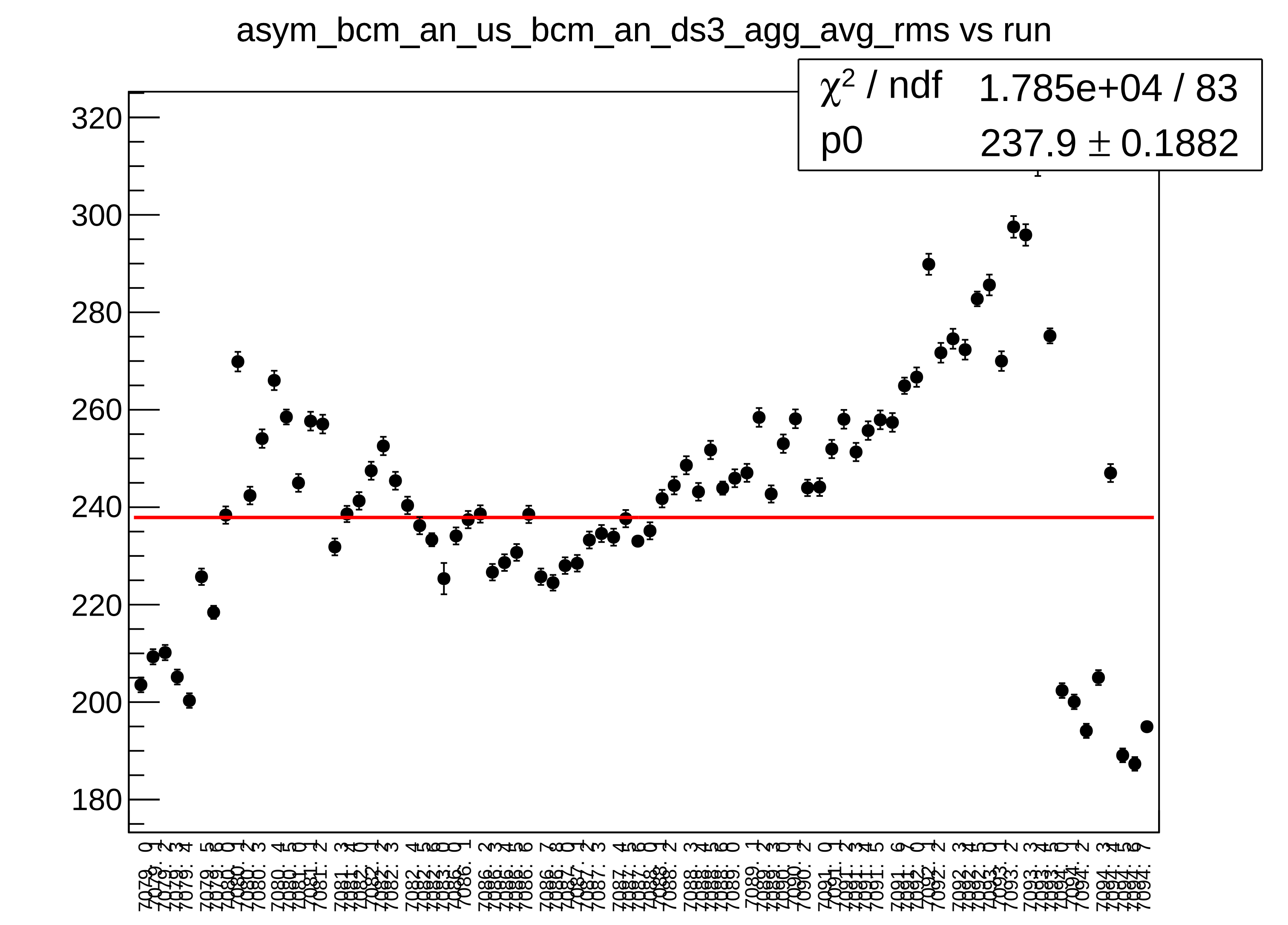
asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.784e+04 / 83
p0 237 ± 0.1875
320
300
280
260
240
220
200
180


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 72.6 / 83
p0 7.602 ± 14.68
pull
Entries 84
Mean 486.5
Std Dev 454.4
pull1D
Entries 84
Mean −0.003844
Std Dev 0.9296

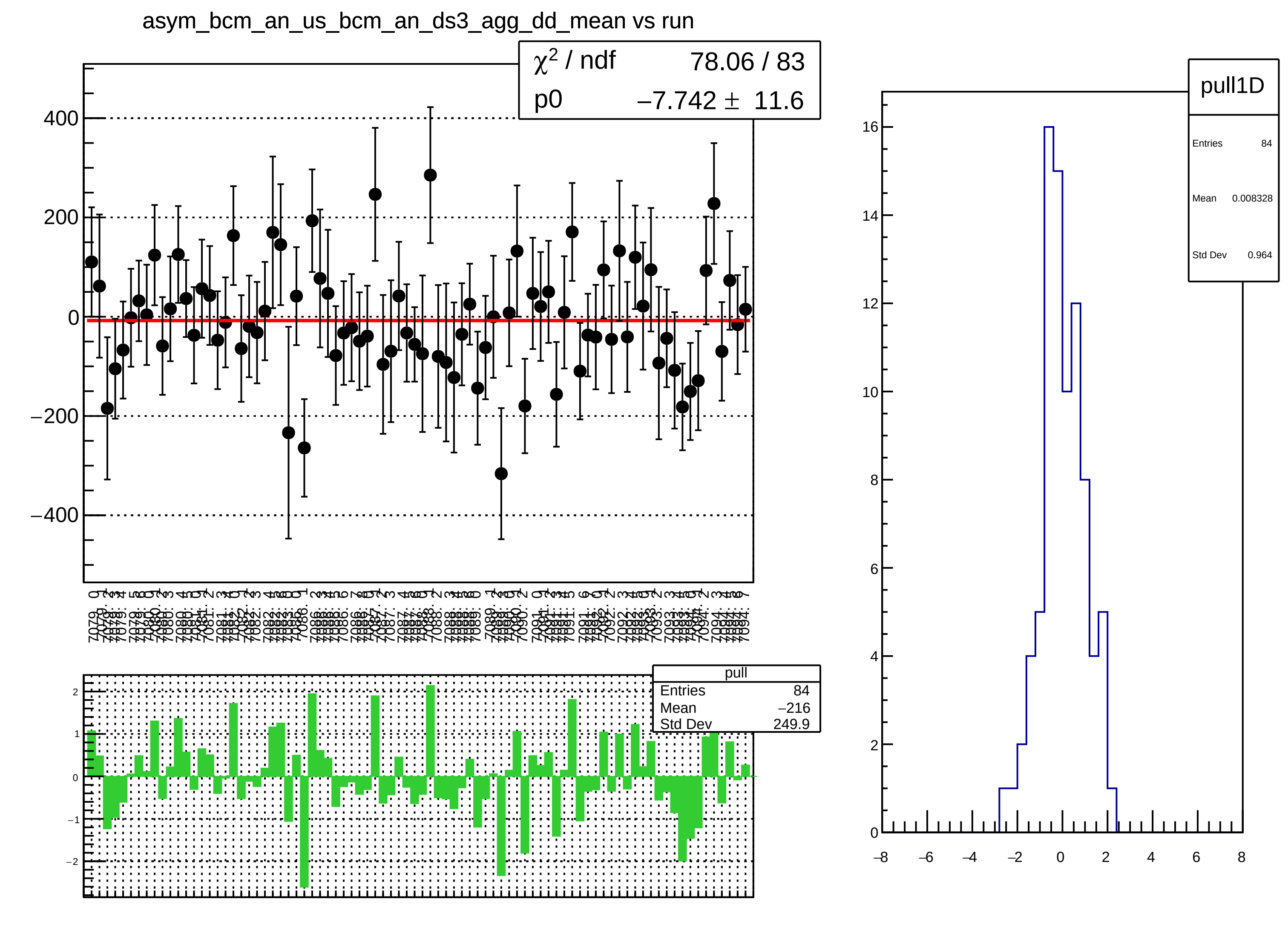

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1.67e+04 / 83
p0 13.13 ± 0.01038
18
17
16
15
14
13
12
11



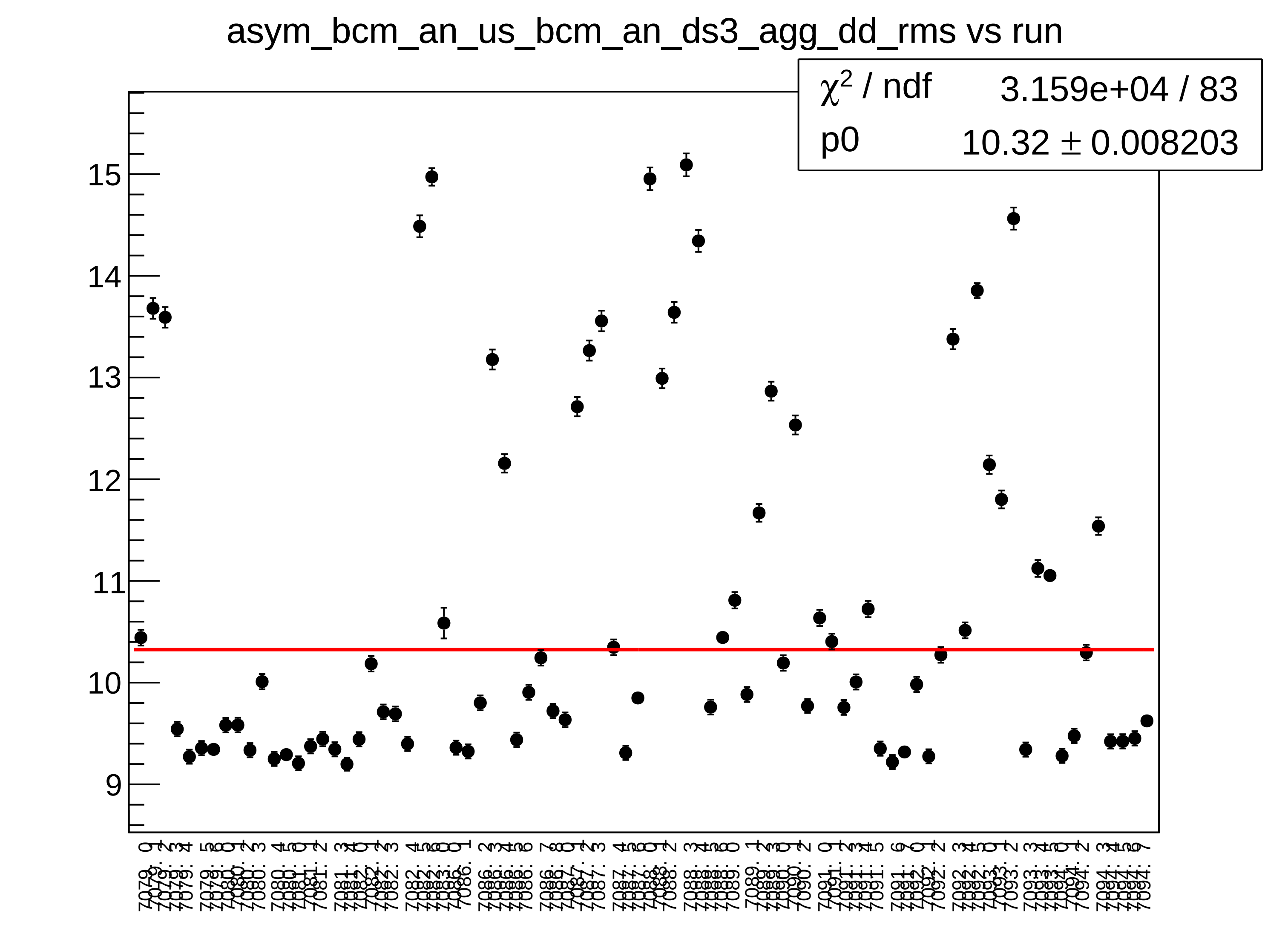
asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 16.28 / 83
p0 78.77 ± 266.1
pull
Entries 84
Mean −310.3
Std Dev 357.9
pull1D
Entries 84
Mean −0.003075
Std Dev 0.4403



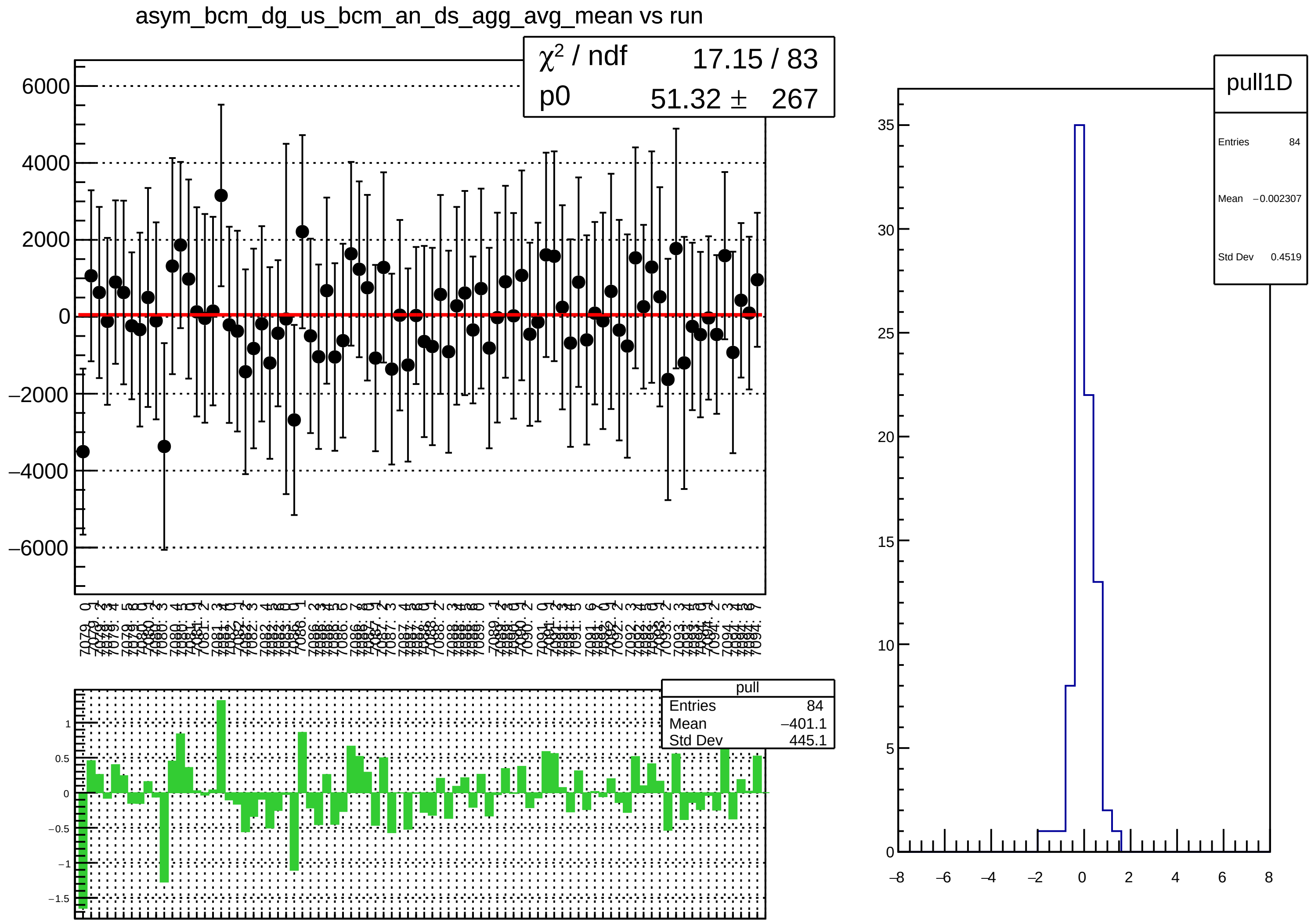
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ2 / ndf 1.785e+04 / 83
p0 237.9 ± 0.1882
320
300
280
260
240
220
200
180

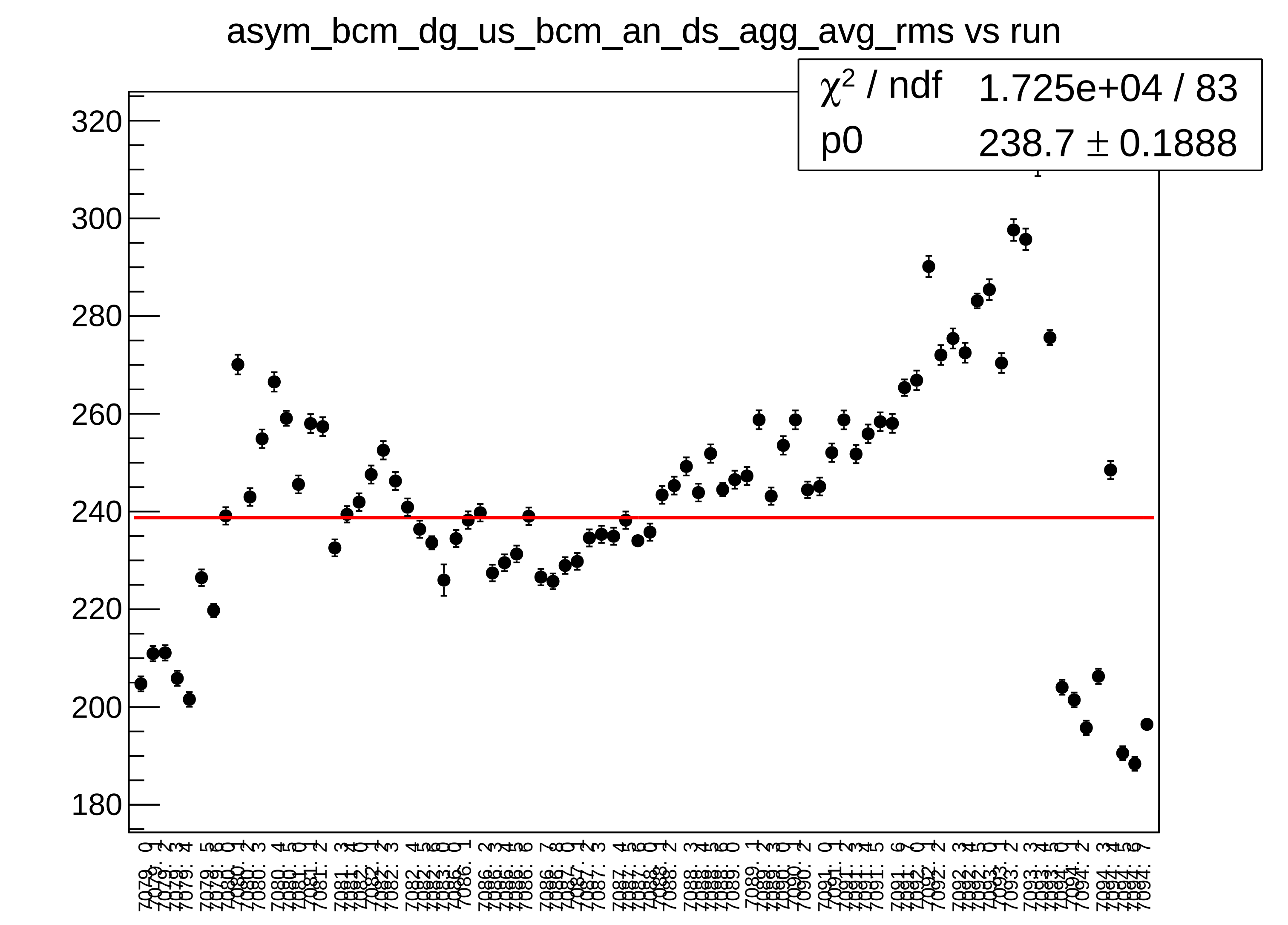


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ^2 / ndf 78.06 / 83
p0 −7.742 ± 11.6
pull
Entries 84
Mean −216
Std Dev 249.9
pull1D
Entries 84
Mean 0.008328
Std Dev 0.964

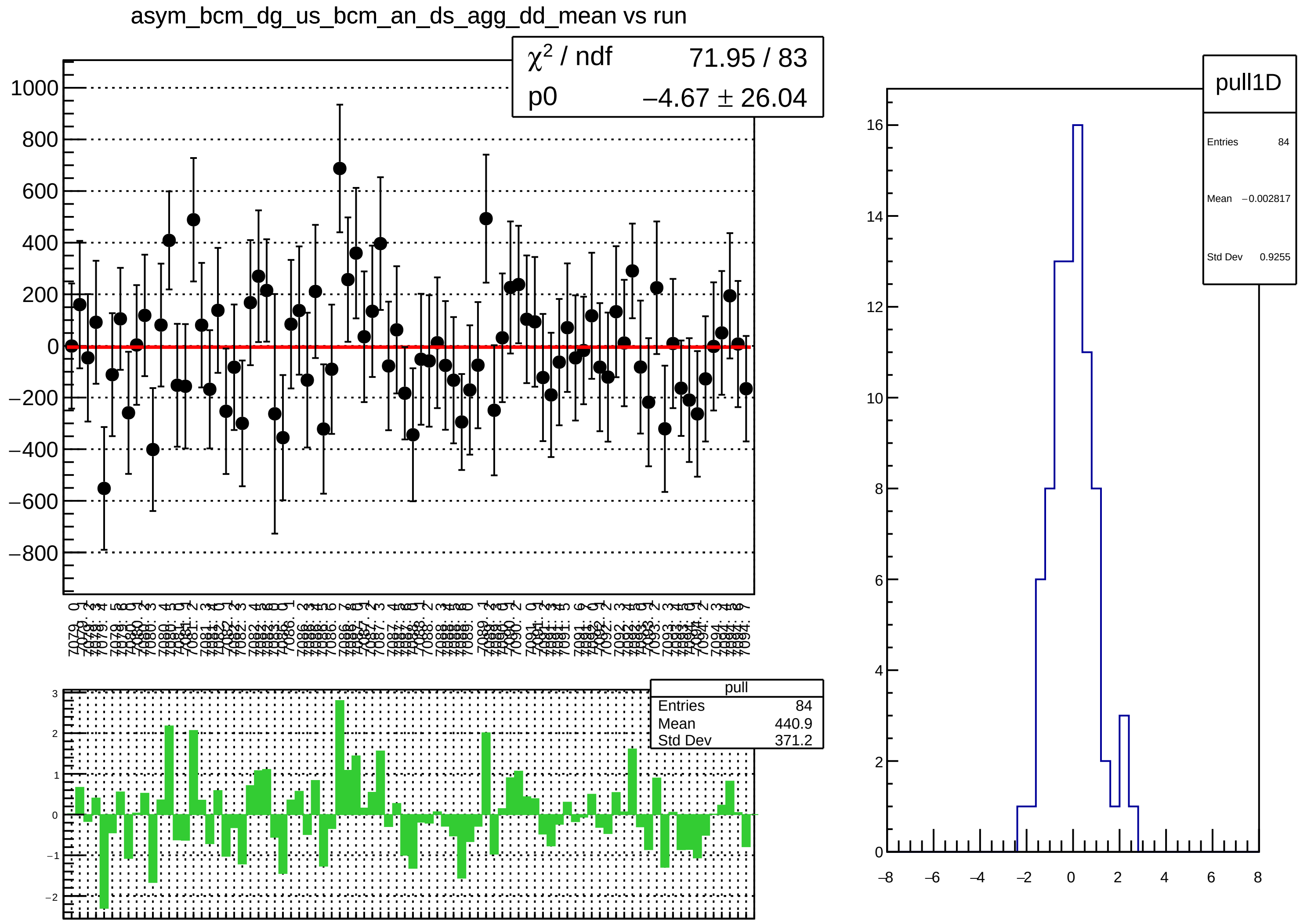


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ2 / ndf 3.159e+04 / 83
p0 10.32 ± 0.008203
15
14
13
12
11
10
9

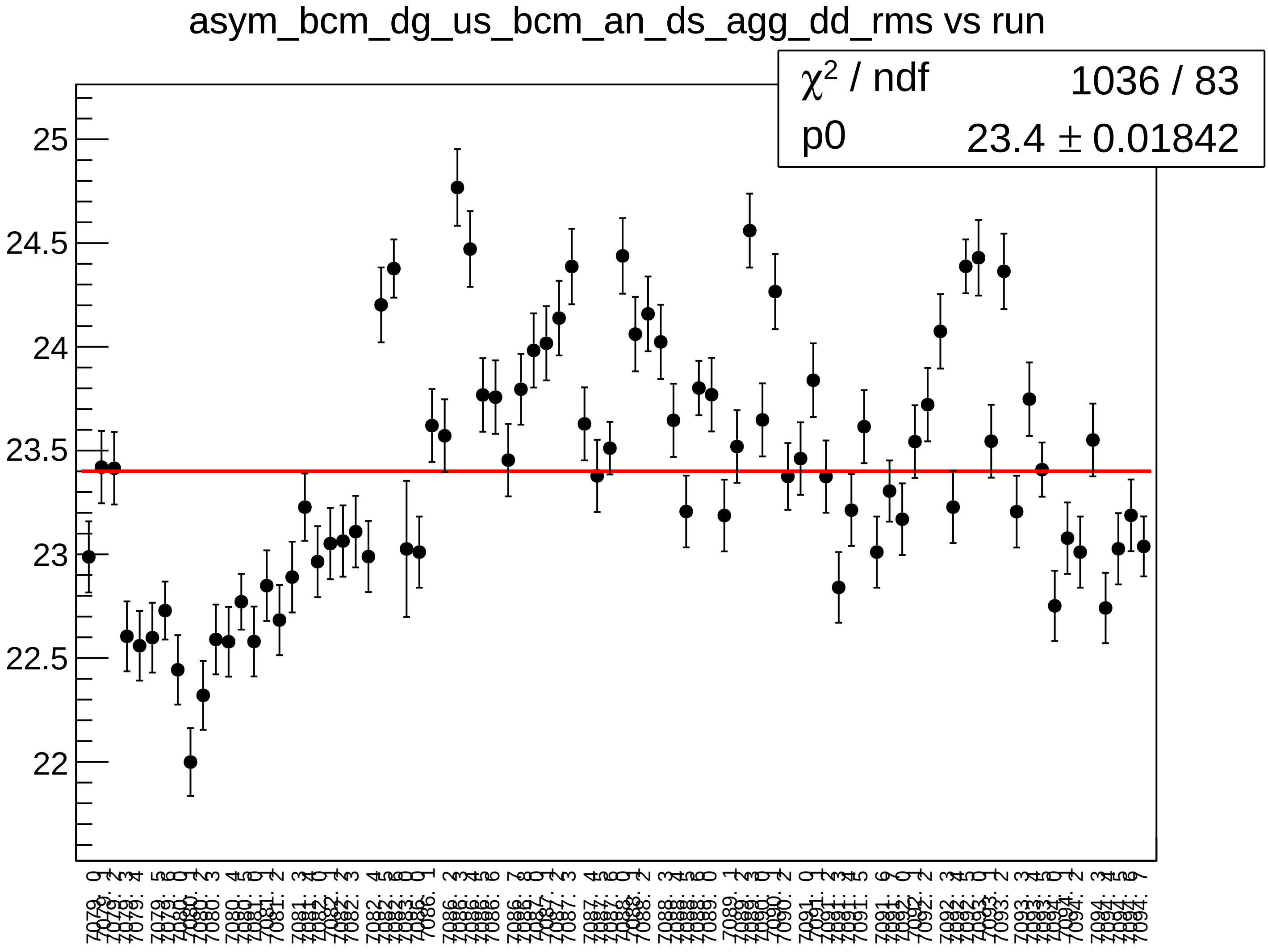

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 17.15 / 83
p0 51.32 ± 267
pull
Entries 84
Mean −401.1
Std Dev 445.1
pull1D
Entries 84
Mean −0.002307
Std Dev 0.4519



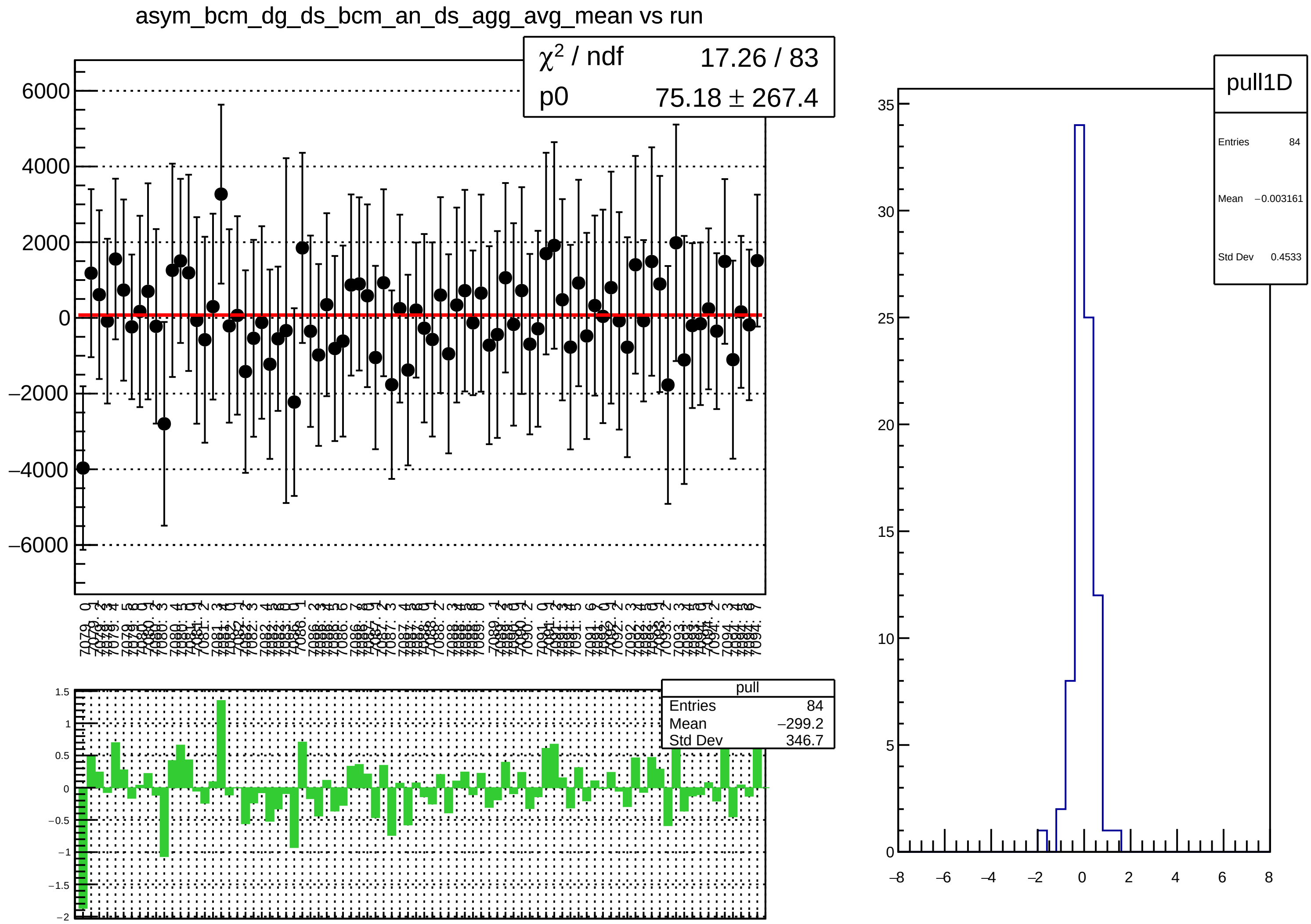
asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.725e+04 / 83
p0 238.7 ± 0.1888
320
300
280
260
240
220
200
180



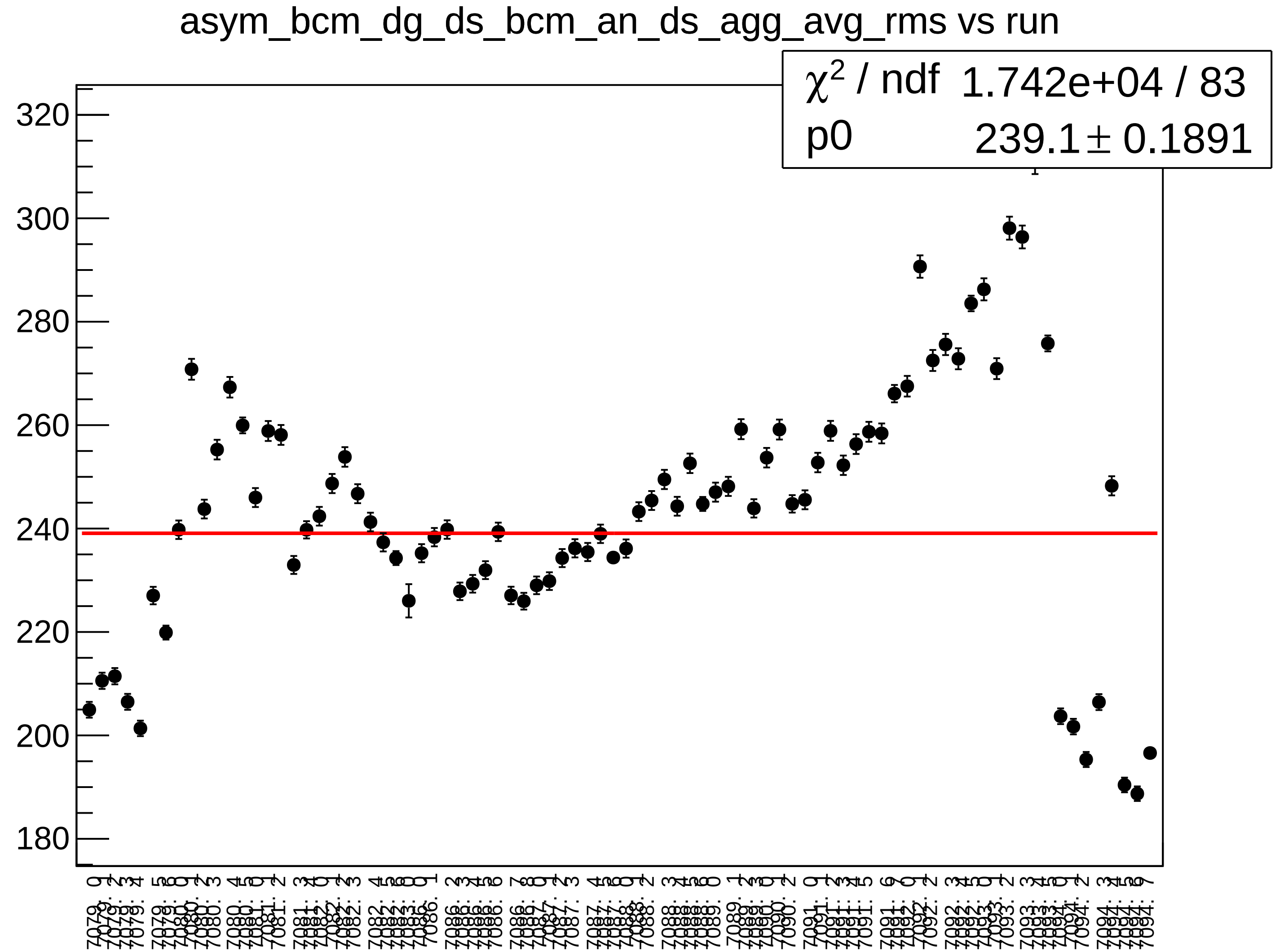
asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 71.95 / 83
p0 −4.67 ± 26.04
pull
Entries 84
Mean 440.9
Std Dev 371.2
pull1D
Entries 84
Mean −0.002817
Std Dev 0.9255

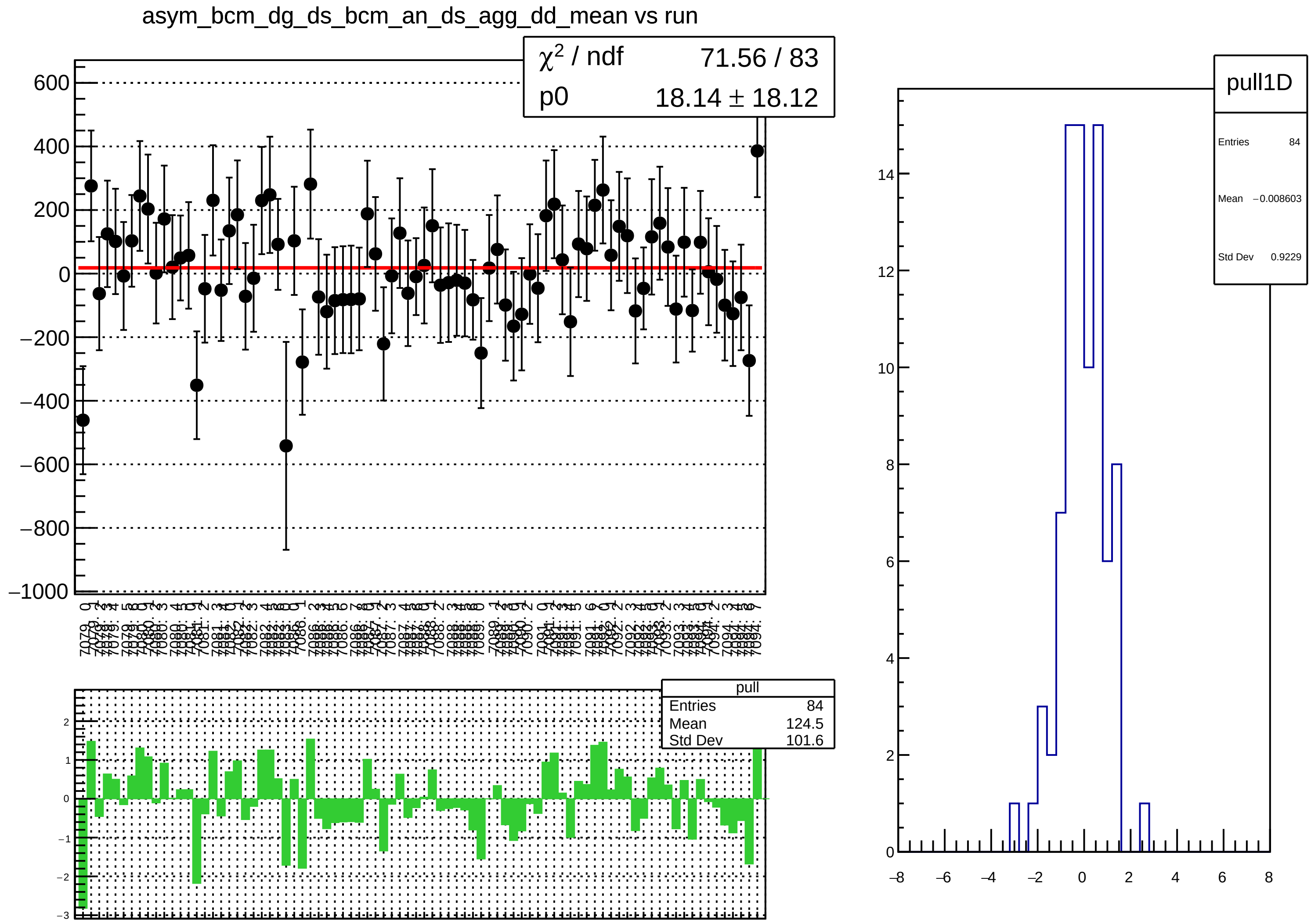


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1036 / 83
p0 23.4 ± 0.01842
25
24.5
24
23.5
23
22.5
22

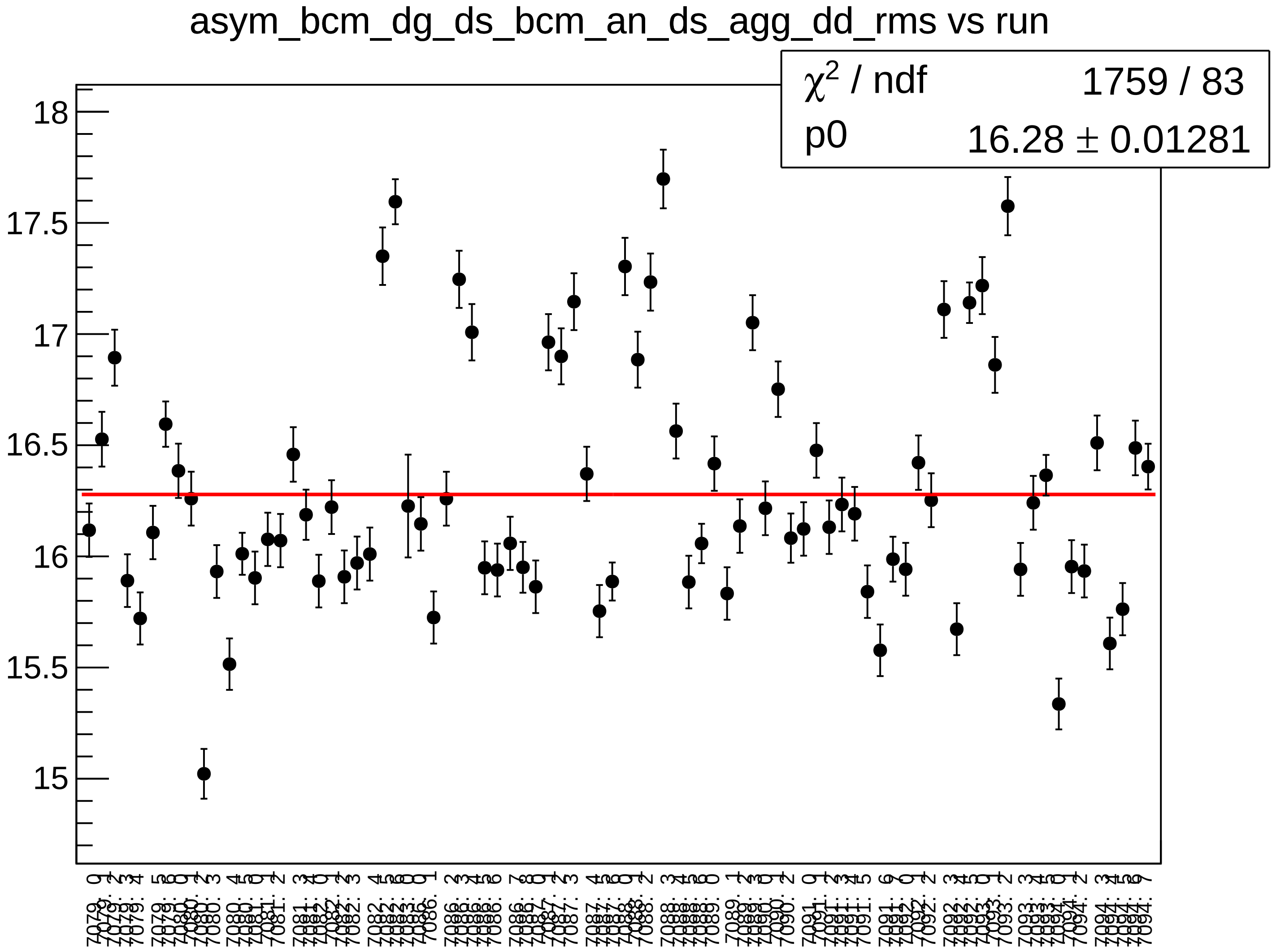


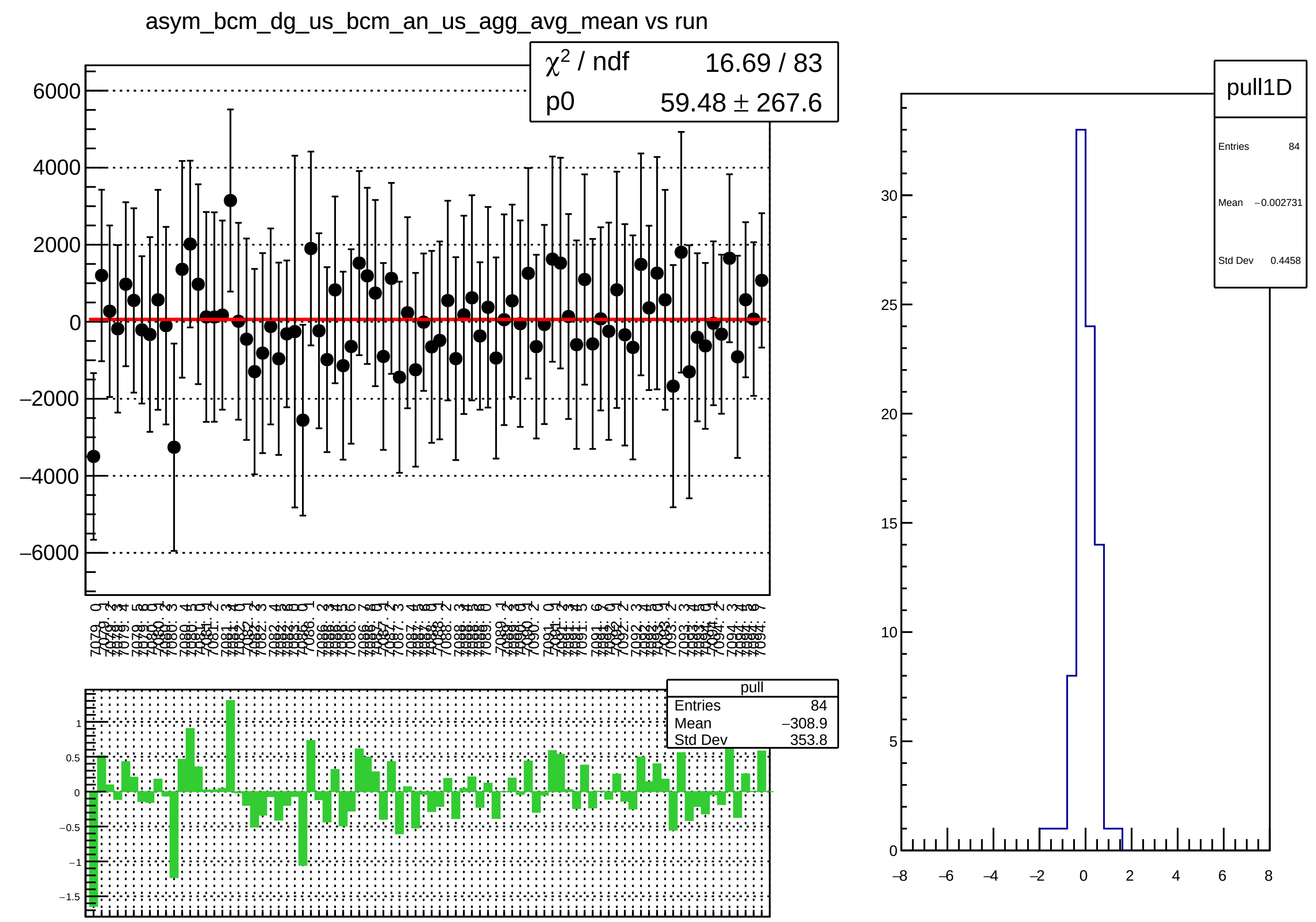
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 17.26 / 83
p0 75.18 ± 267.4
pull
Entries 84
Mean −299.2
Std Dev 346.7
pull1D
Entries 84
Mean −0.003161
Std Dev 0.4533


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.742e+04 / 83
p0 239.1 ± 0.1891
320
300
280
260
240
220
200
180

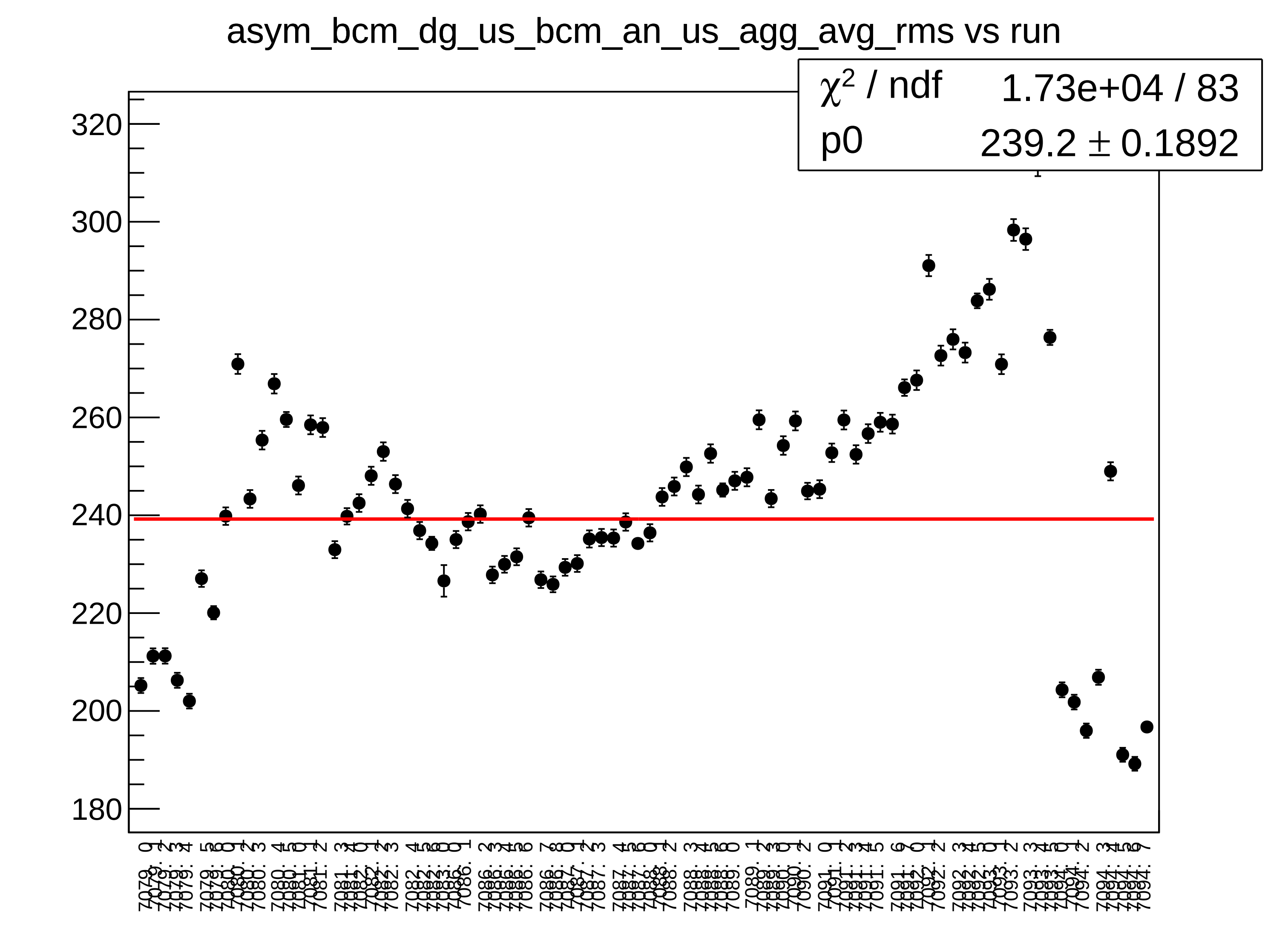


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 71.56 / 83
p0 18.14 ± 18.12
pull
Entries 84
Mean 124.5
Std Dev 101.6
pull1D
Entries 84
Mean −0.008603
Std Dev 0.9229

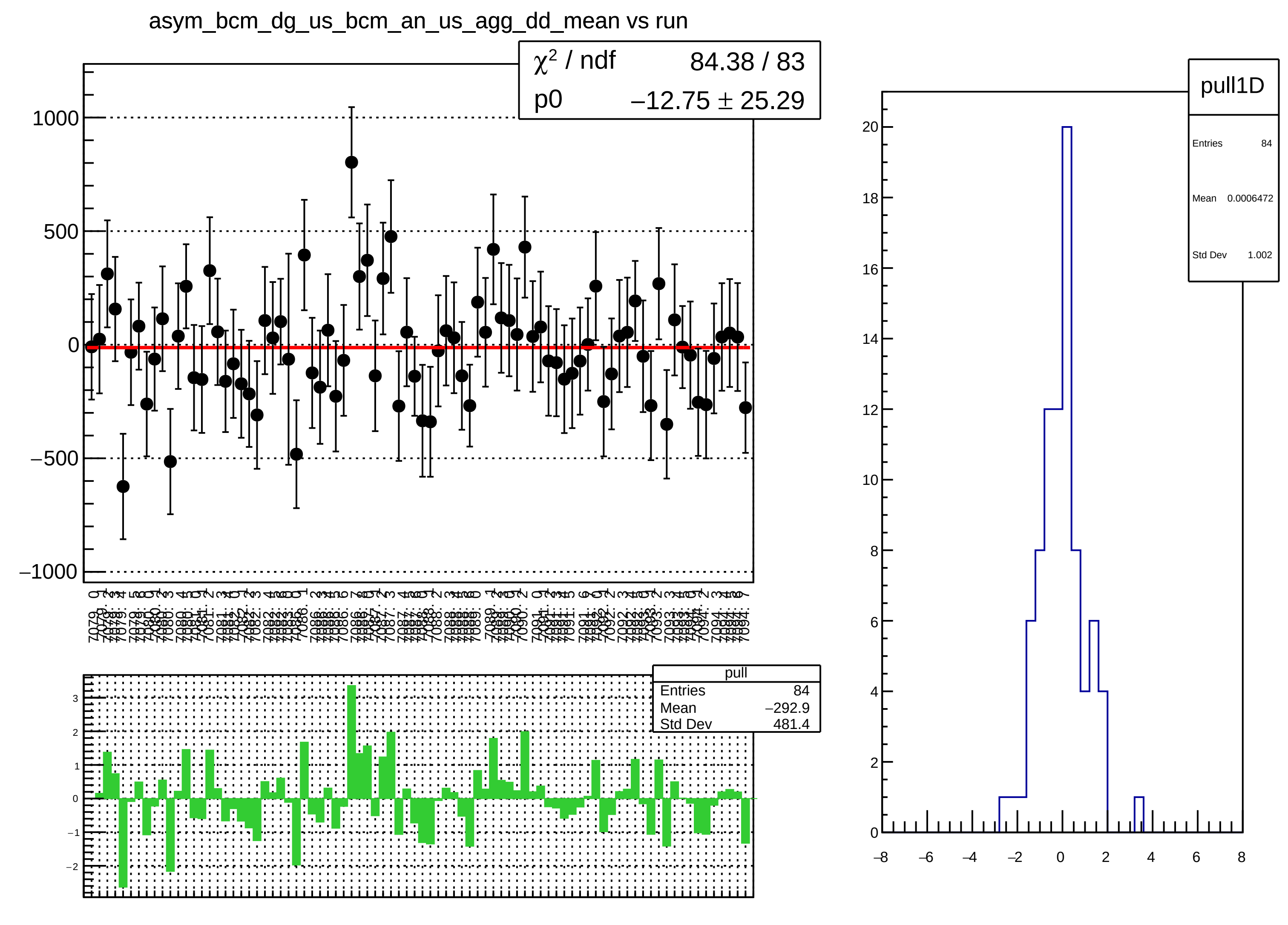

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 1759 / 83
p0 16.28 ± 0.01281
18
17.5
17
16.5
16
15.5
15



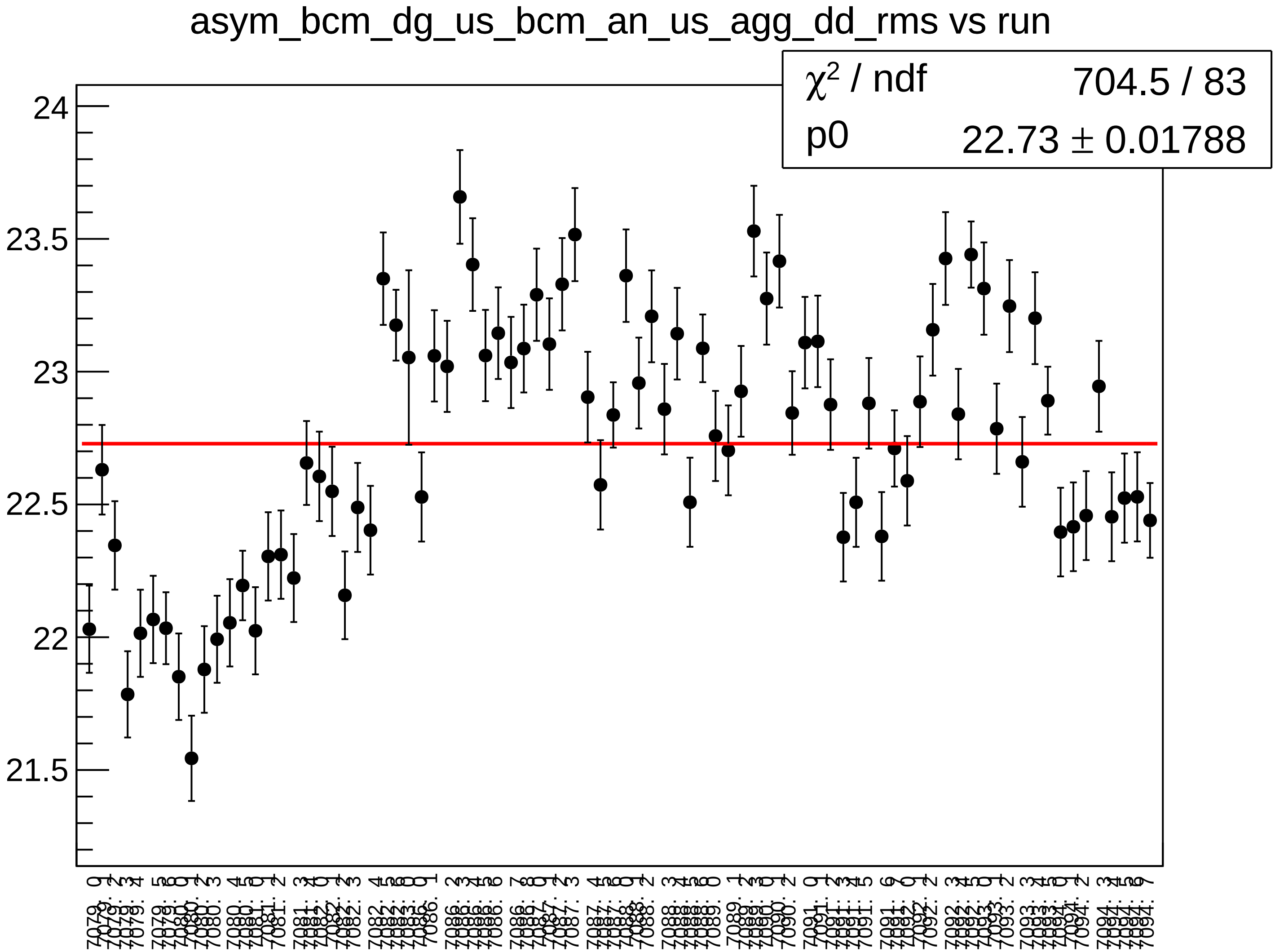
asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 16.69 / 83
p0 59.48 ± 267.6
pull
Entries 84
Mean −308.9
Std Dev 353.8
pull1D
Entries 84
Mean −0.002731
Std Dev 0.4458



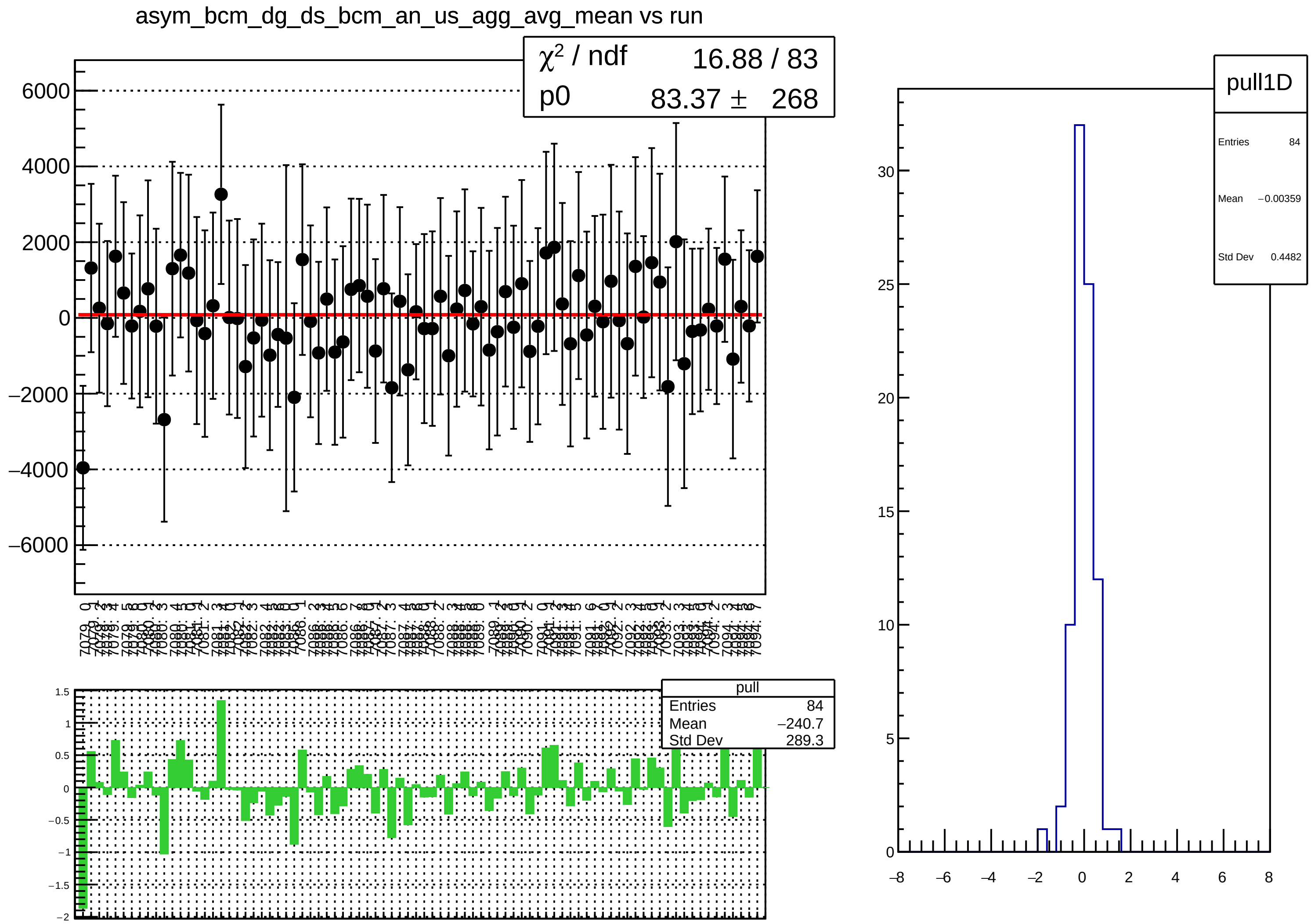
asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 1.73e+04 / 83
p0 239.2 ± 0.1892
320
300
280
260
240
220
200
180



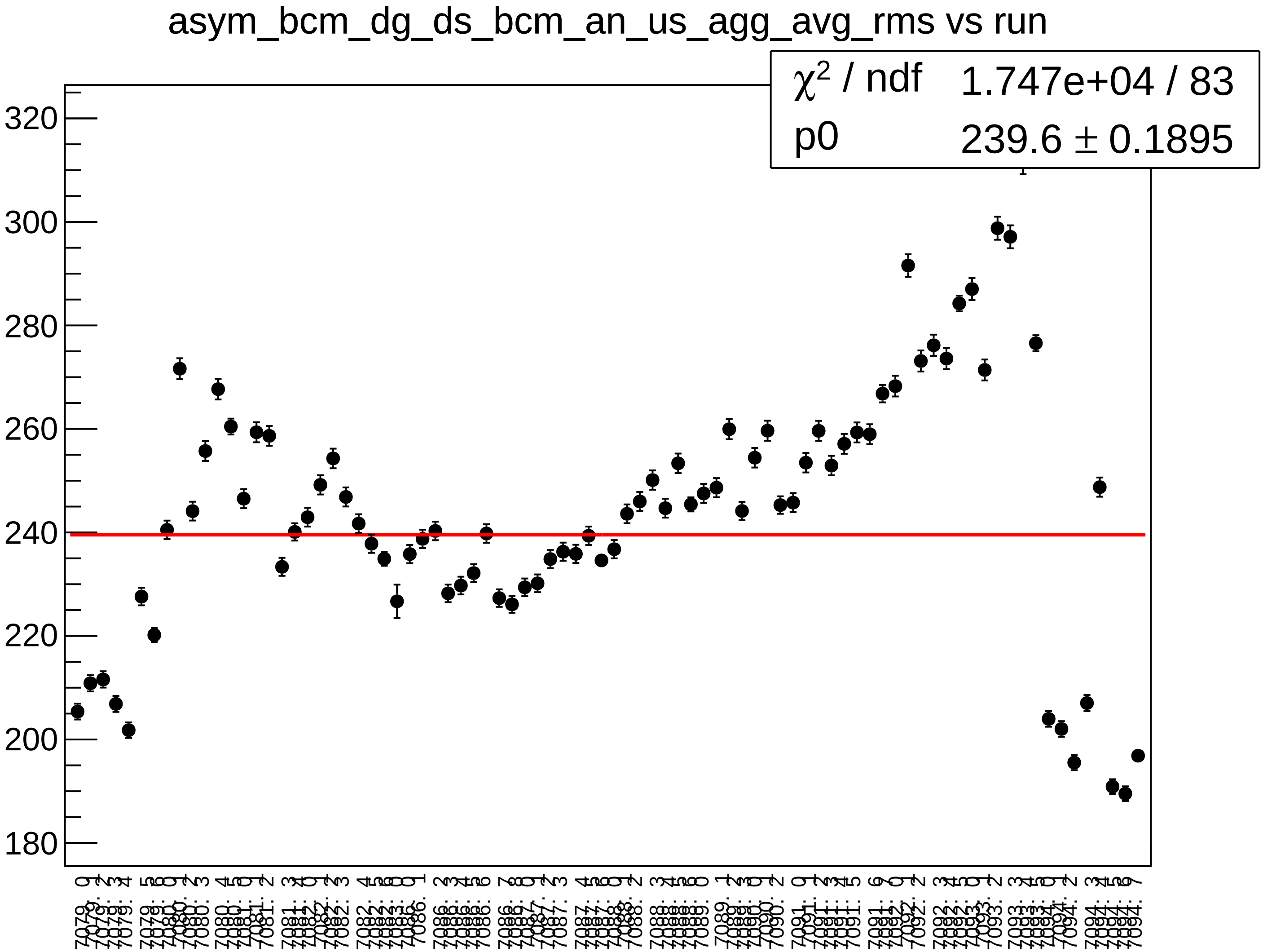
asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 84.38 / 83
p0 −12.75 ± 25.29
1000
500
0
−500
−1000
pull
Entries 84
Mean −292.9
Std Dev 481.4
pull1D
Entries 84
Mean 0.0006472
Std Dev 1.002



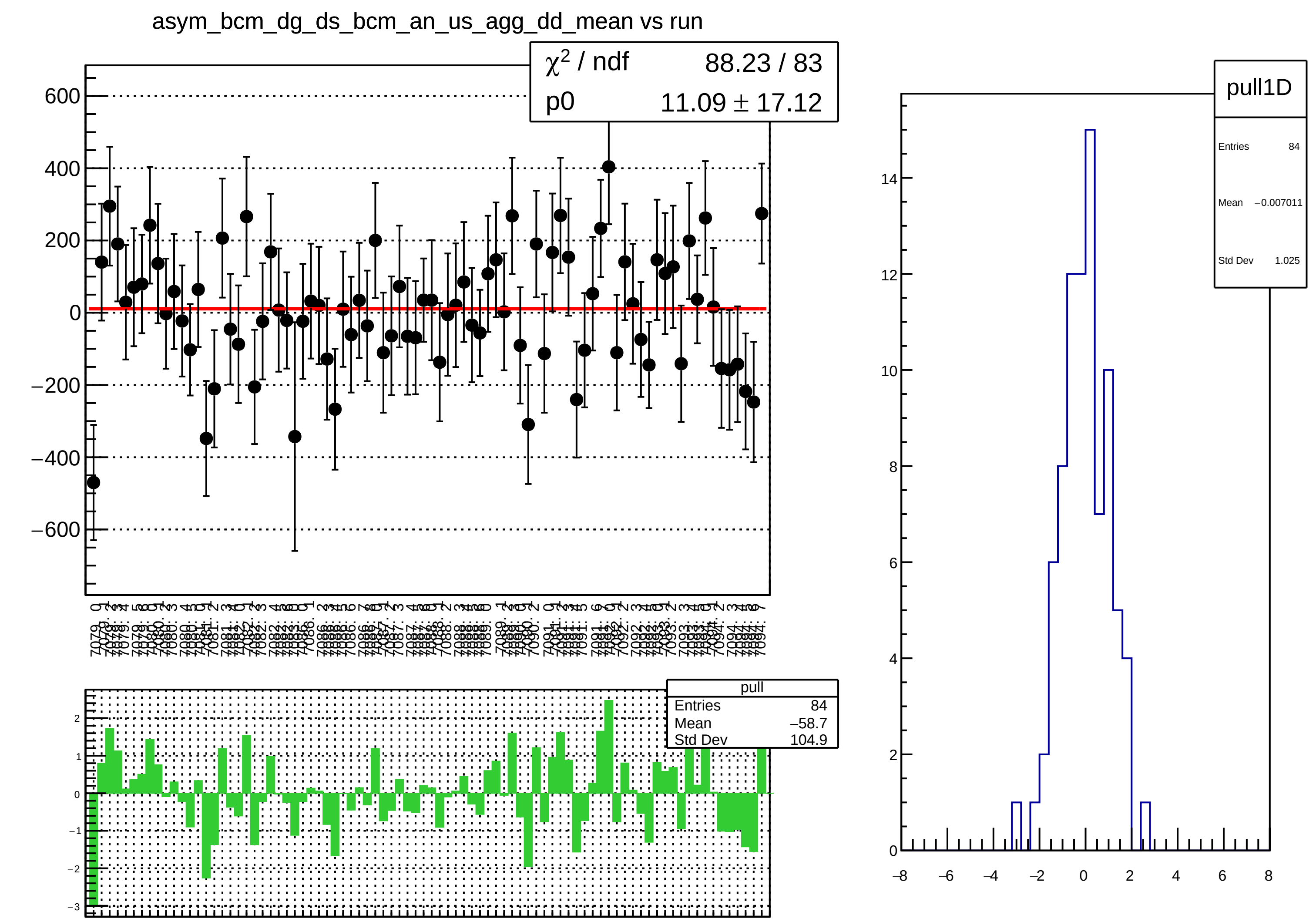
asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 704.5 / 83
p0 22.73 ± 0.01788
24
23.5
23
22.5
22
21.5

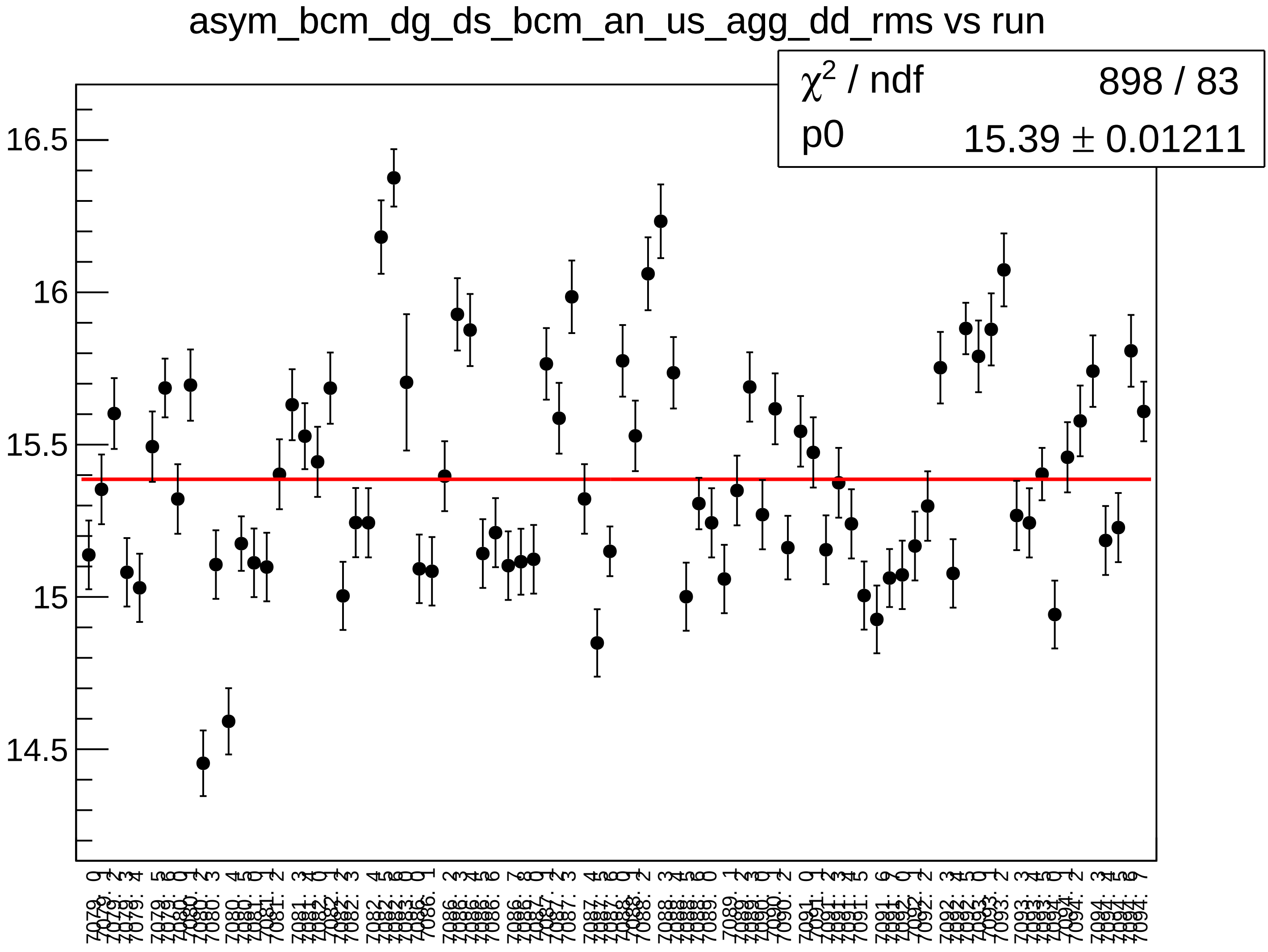


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ2 / ndf 16.88 / 83
p0 83.37 ± 268
pull
Entries 84
Mean −240.7
Std Dev 289.3
pull1D
Entries 84
Mean −0.00359
Std Dev 0.4482

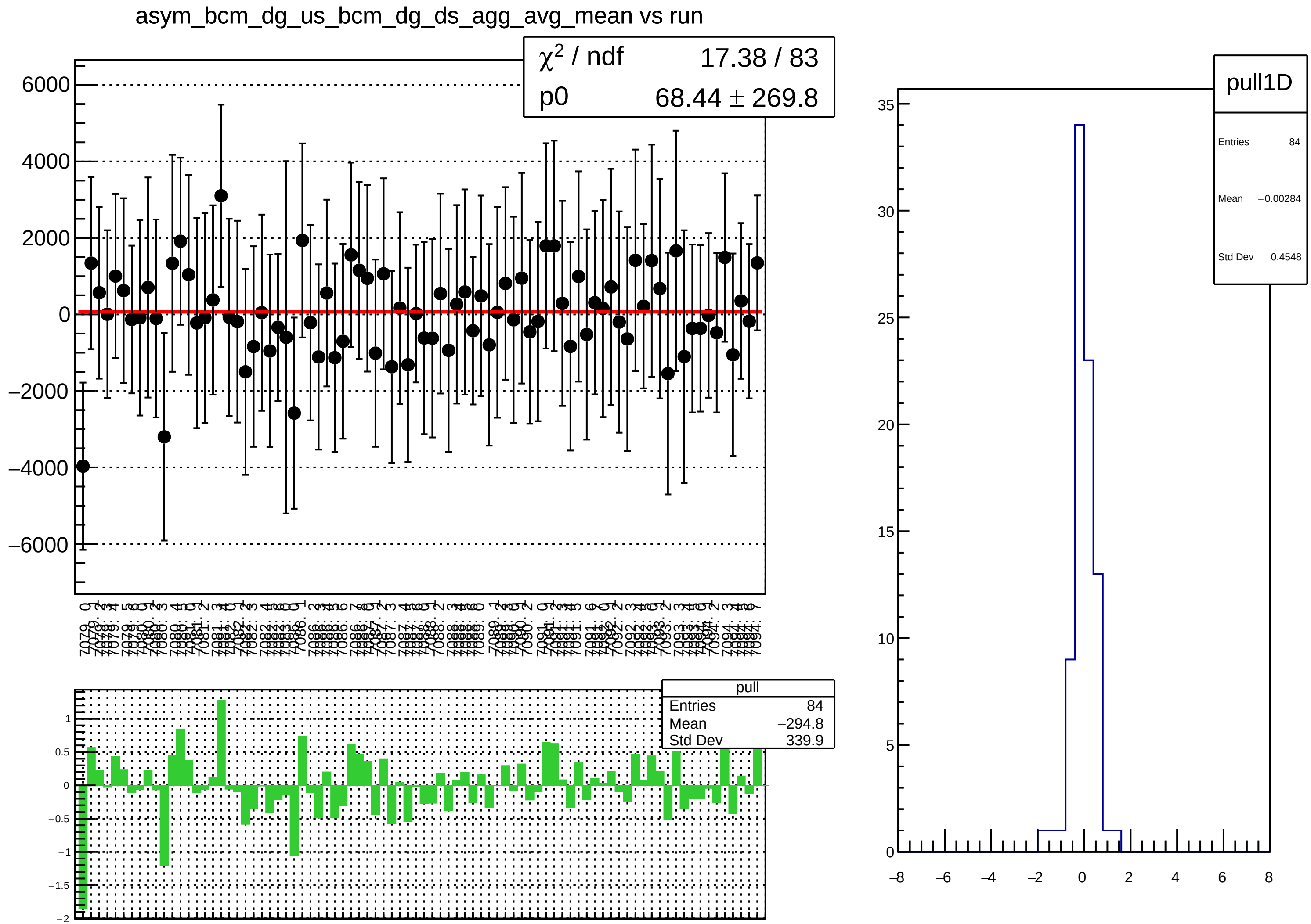


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.747e+04 / 83
p0 239.6 ± 0.1895
320
300
280
260
240
220
200
180

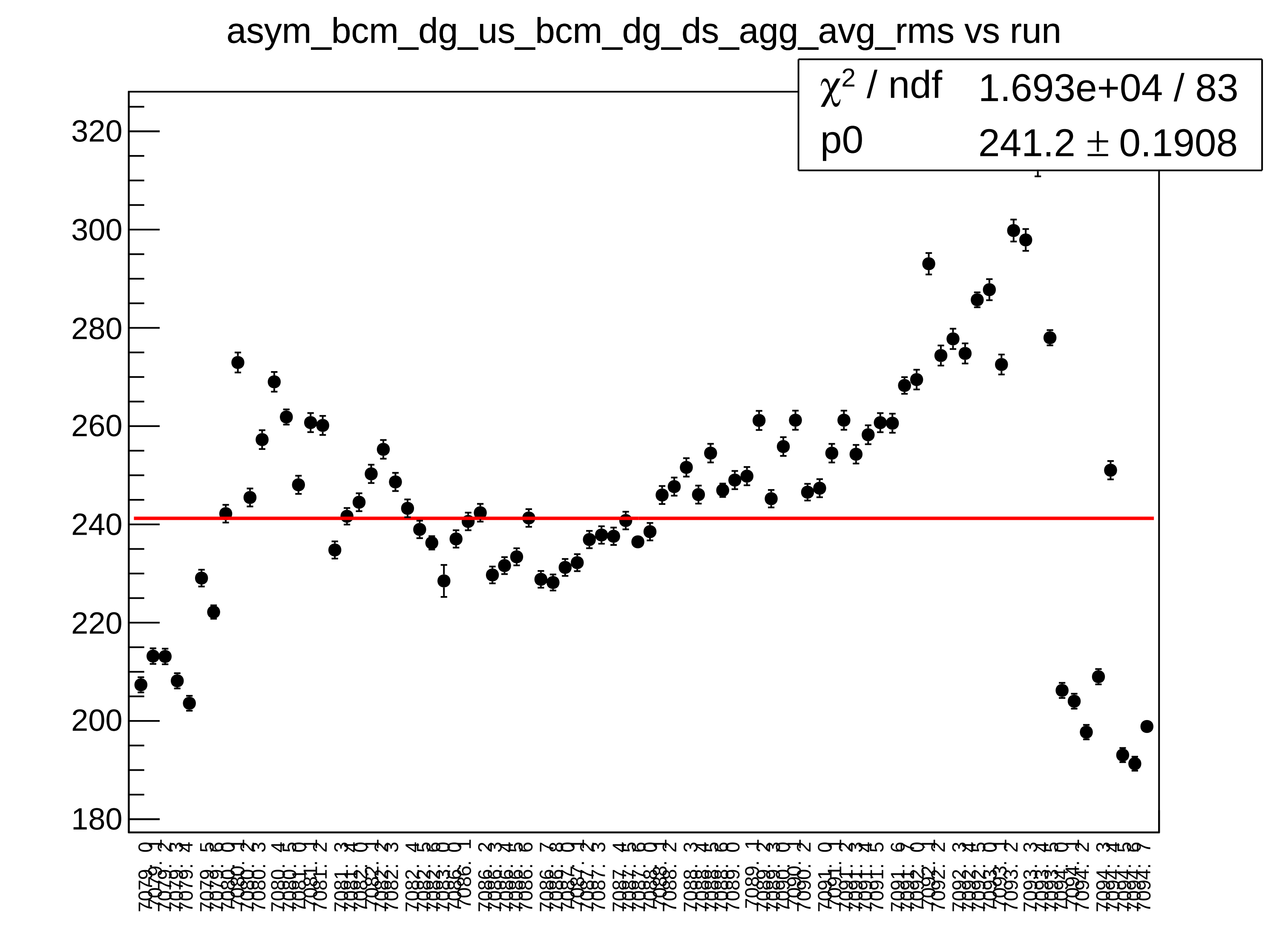

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 88.23 / 83
p0 11.09 ± 17.12
pull
Entries 84
Mean −58.7
Std Dev 104.9
pull1D
Entries 84
Mean −0.007011
Std Dev 1.025

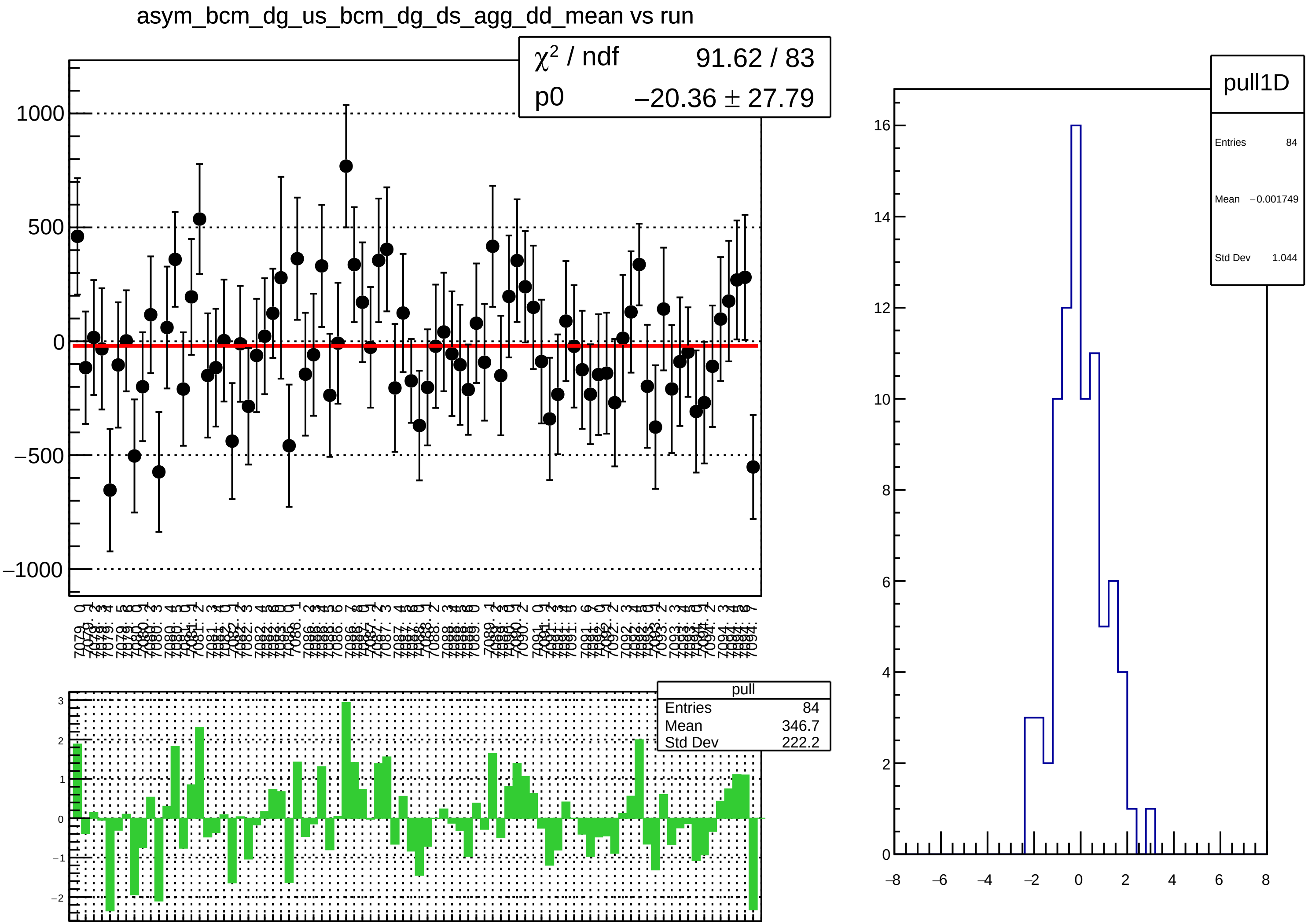


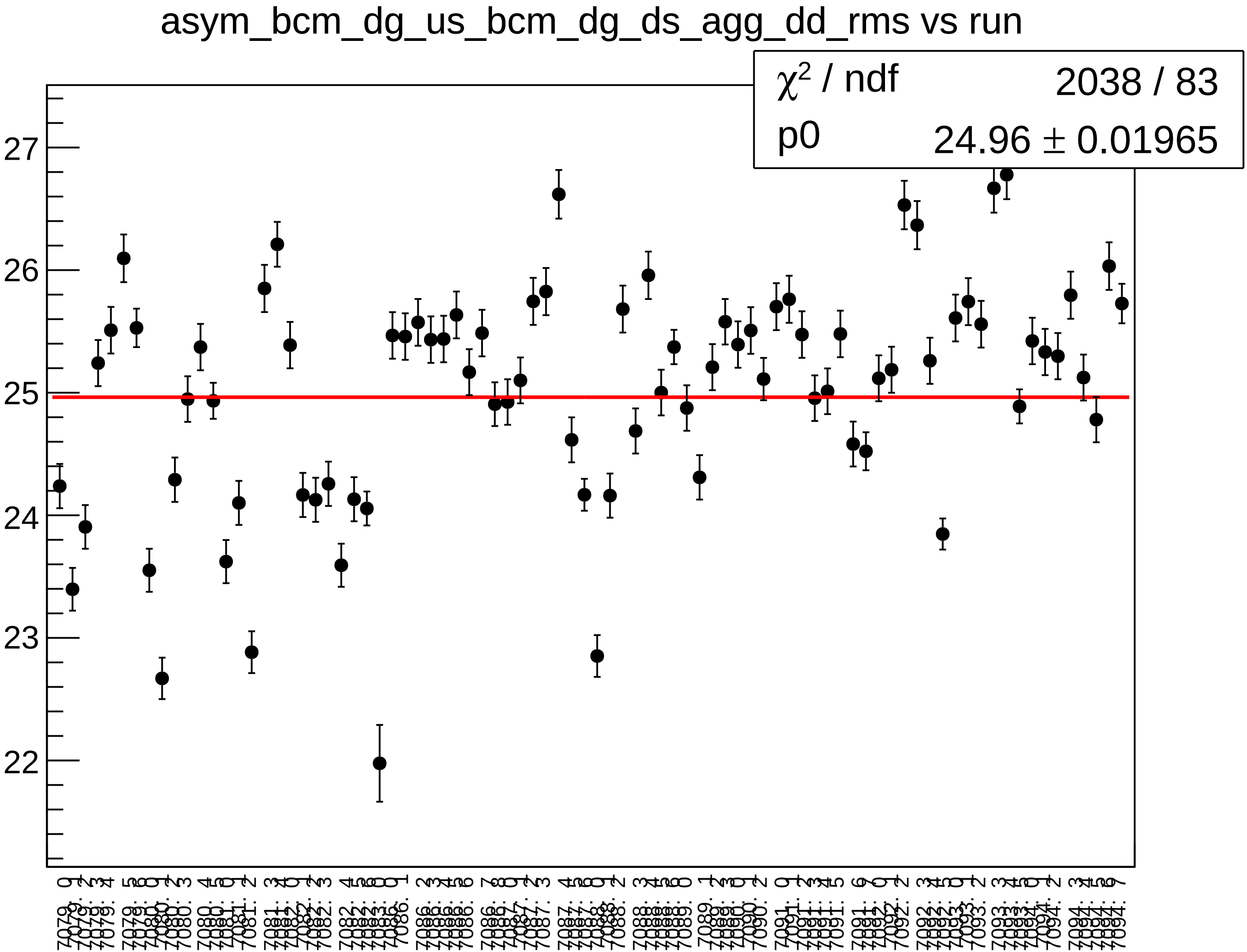
asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 898 / 83
p0 15.39 ± 0.01211
16.5
16
15.5
15
14.5

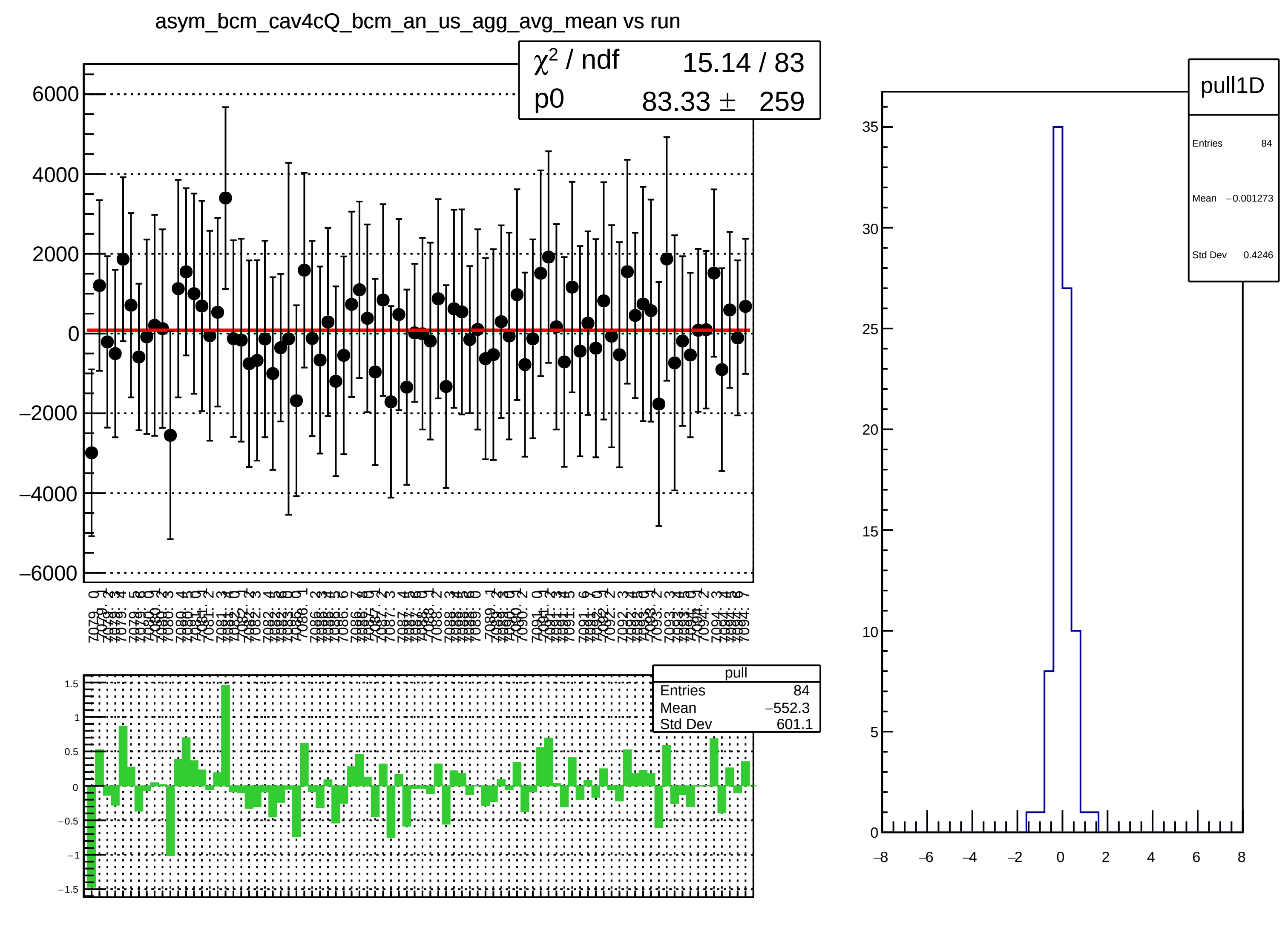


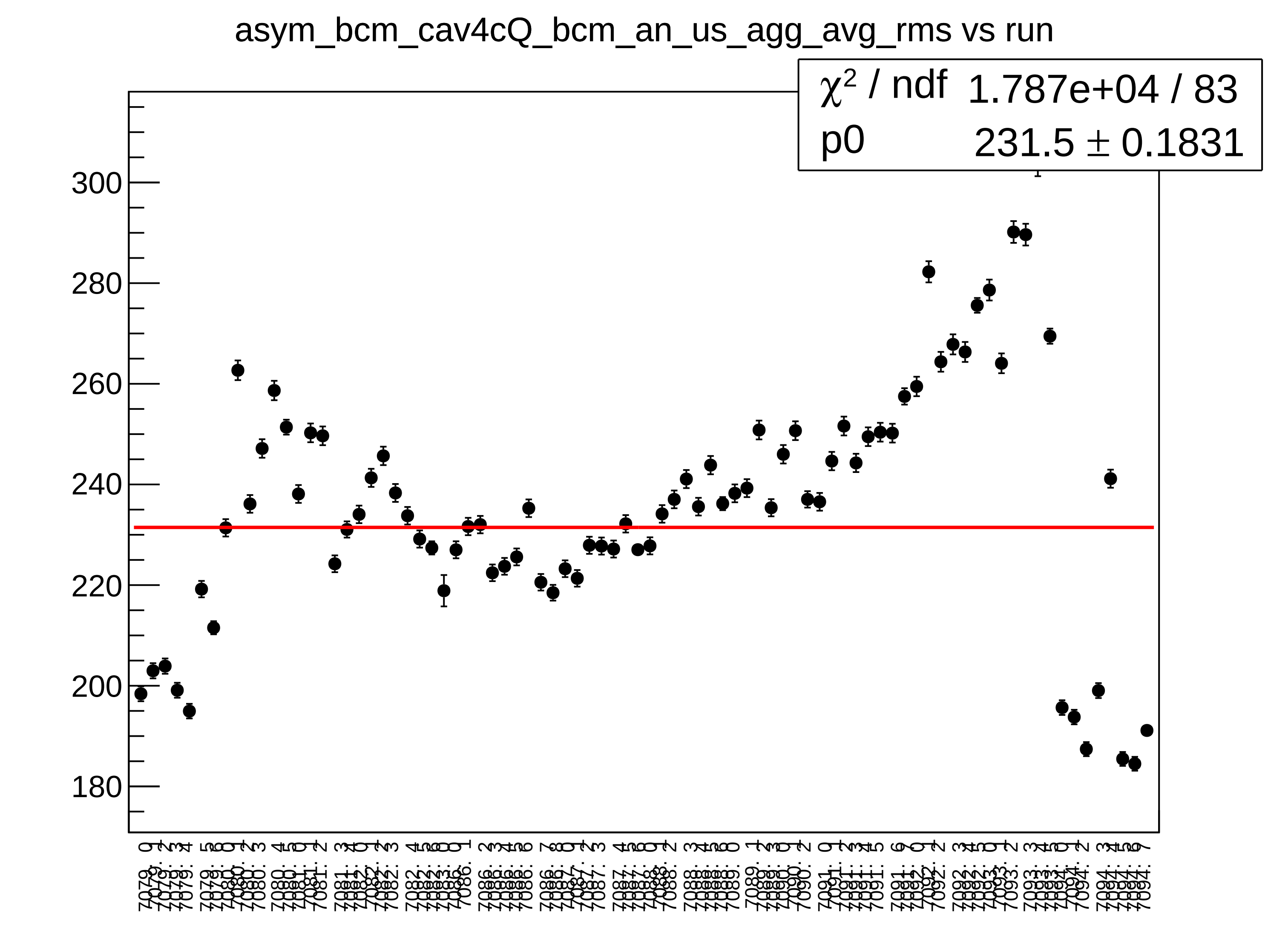
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 17.38 / 83
p0 68.44 ± 269.8
pull
Entries 84
Mean −294.8
Std Dev 339.9
pull1D
Entries 84
Mean −0.00284
Std Dev 0.4548


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 1.693e+04 / 83
p0 241.2 ± 0.1908
320
300
280
260
240
220
200
180

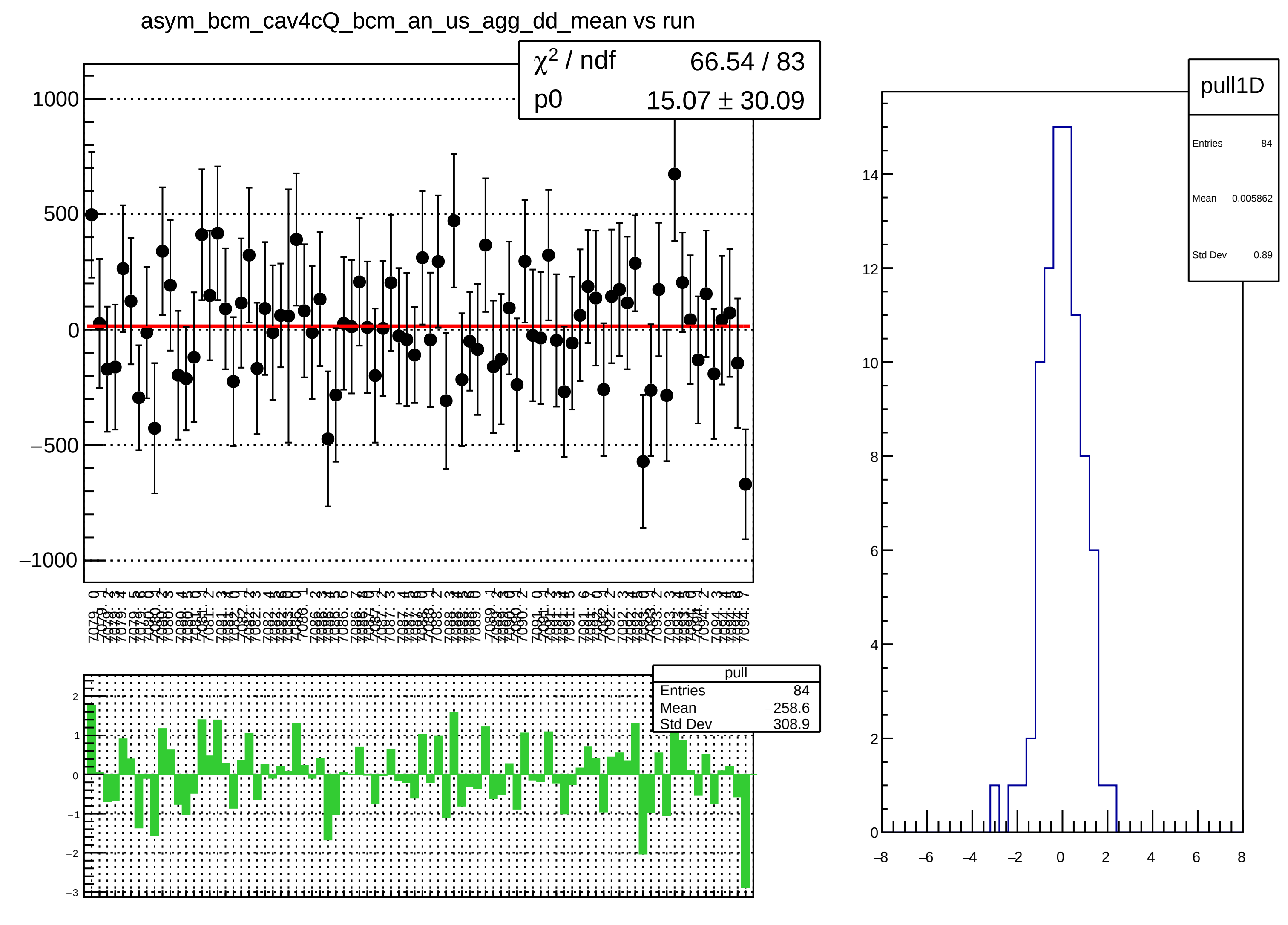

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 91.62 / 83
p0 −20.36 ± 27.79
pull
Entries 84
Mean 346.7
Std Dev 222.2
pull1D
Entries 84
Mean −0.001749
Std Dev 1.044


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 2038 / 83
p0 24.96 ± 0.01965
27
26
25
24
23
22

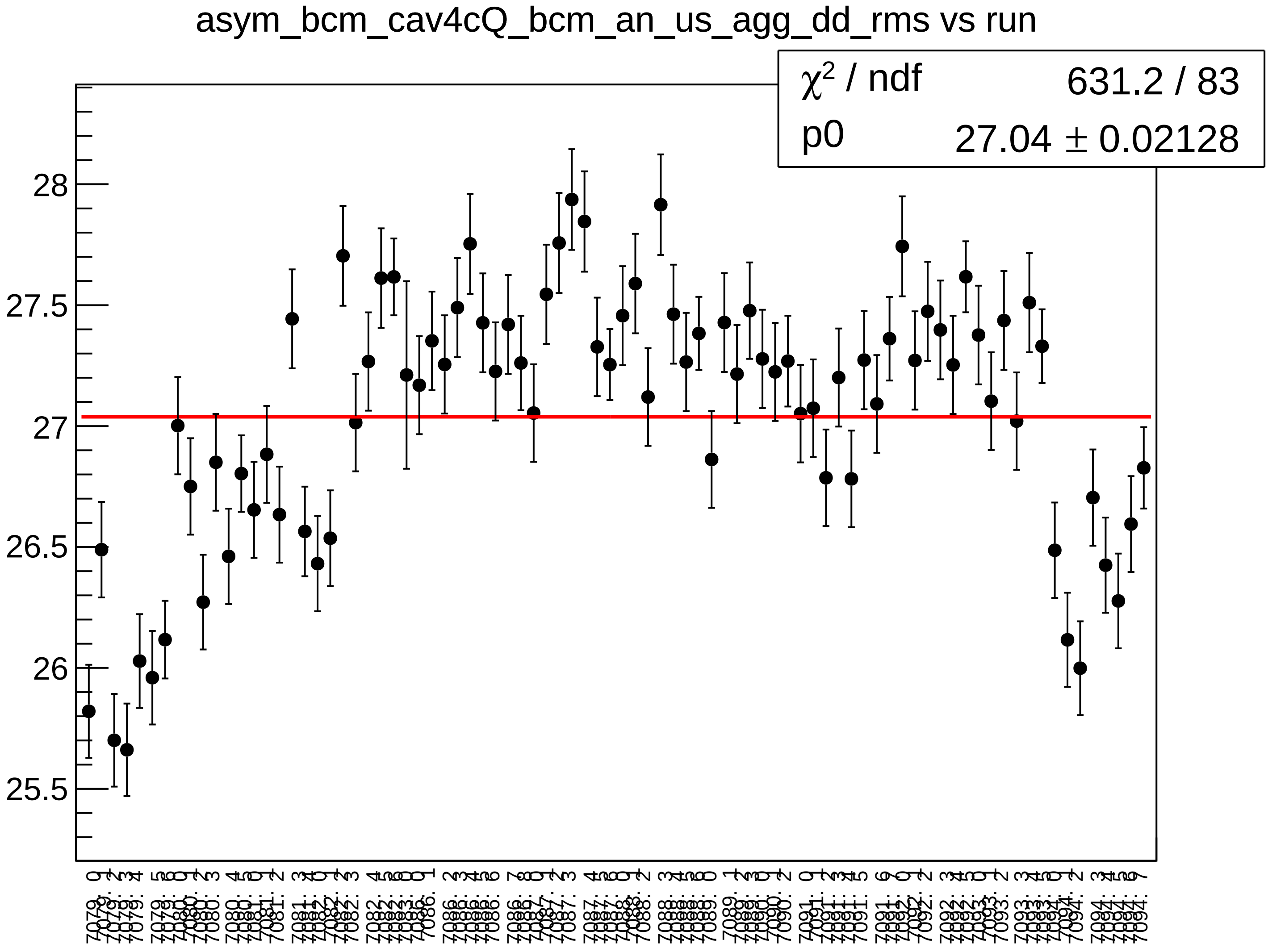

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 15.14 / 83
p0 83.33 ± 259
pull
Entries 84
Mean −552.3
Std Dev 601.1
pull1D
Entries 84
Mean −0.001273
Std Dev 0.4246

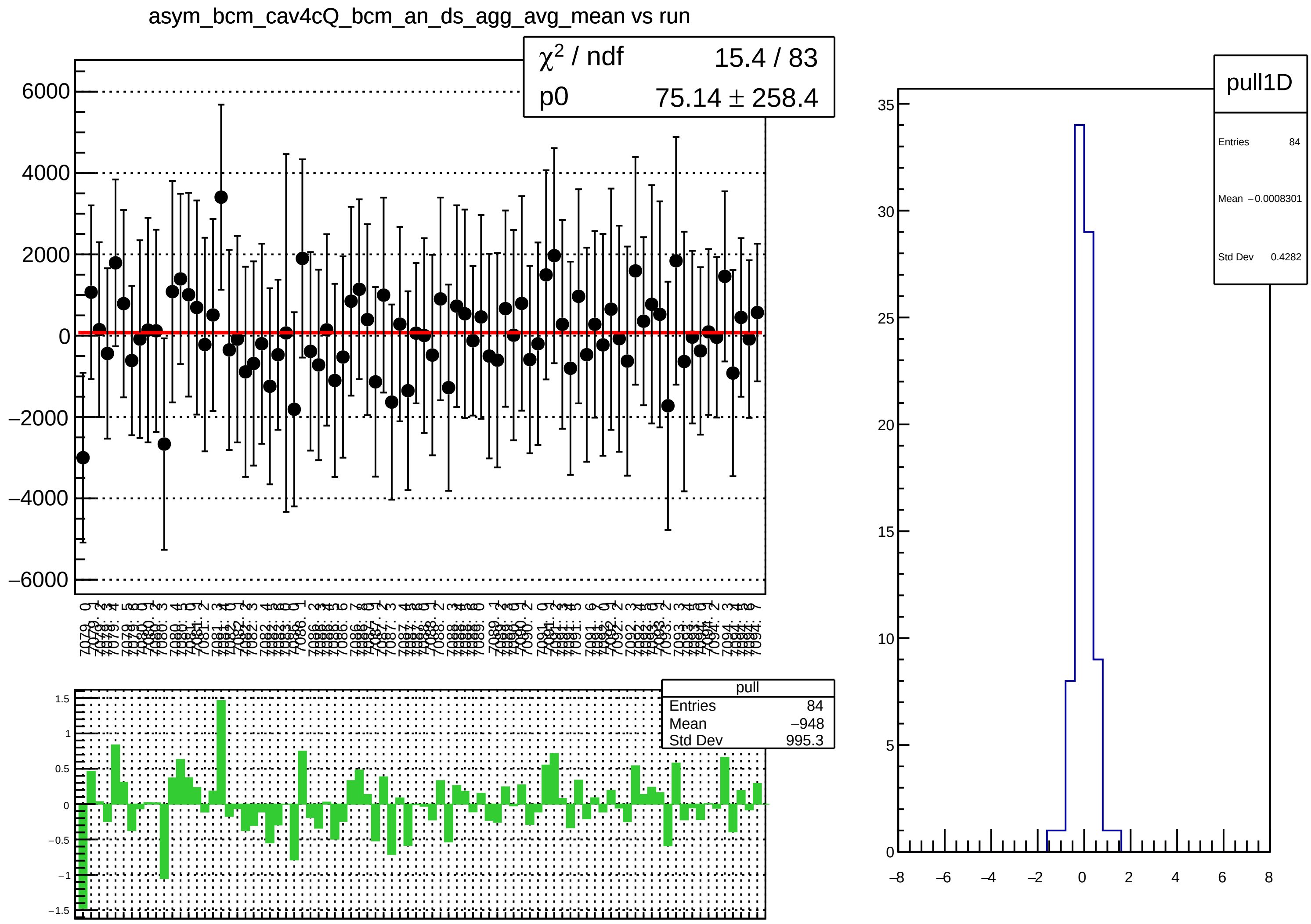


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.787e+04 / 83
p0 231.5 ± 0.1831
300
280
260
240
220
200
180

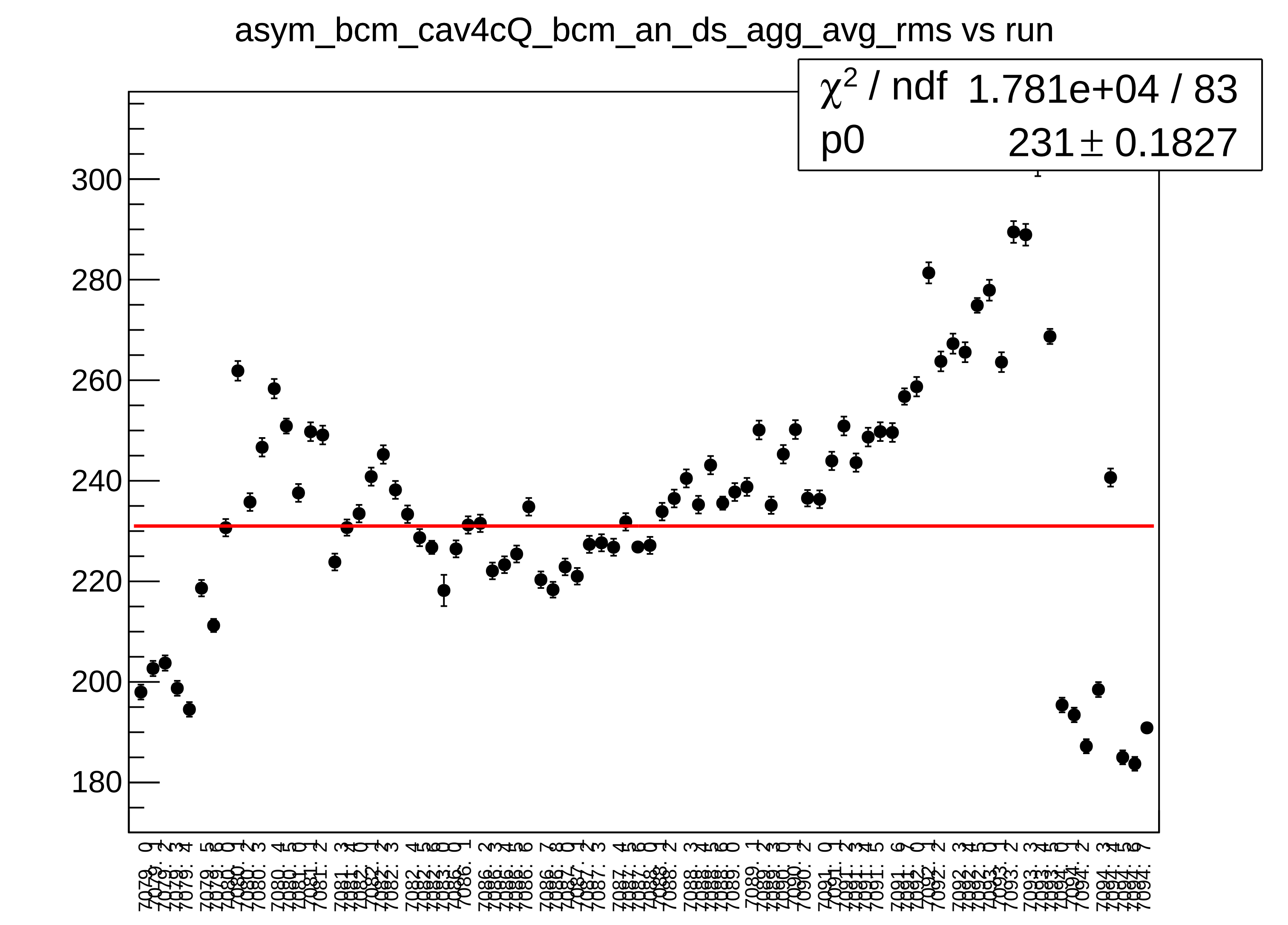


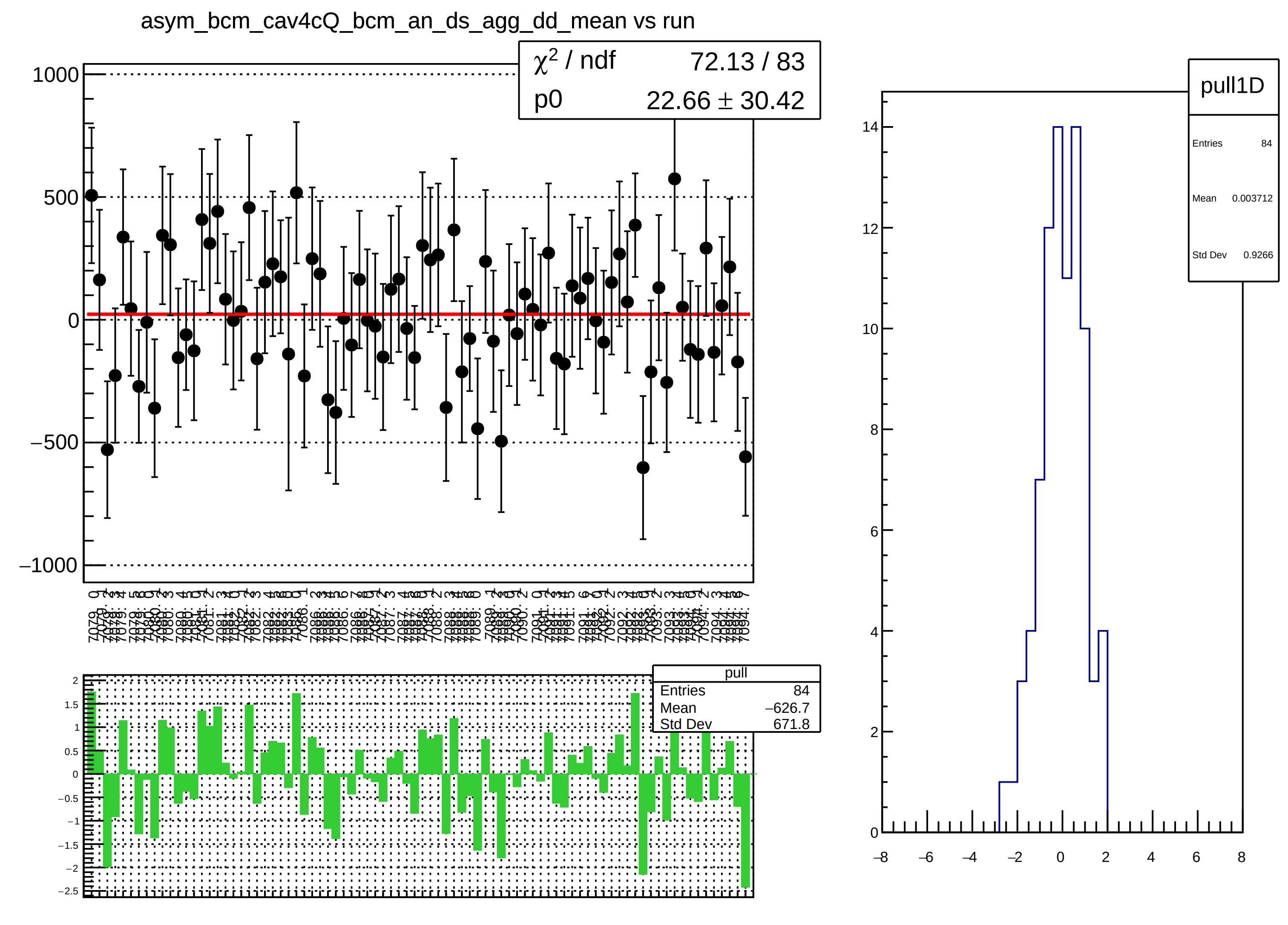
asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 66.54 / 83
p0 15.07 ± 30.09
1000
500
0
−500
−1000
pull
Entries 84
Mean −258.6
Std Dev 308.9
pull1D
Entries 84
Mean 0.005862
Std Dev 0.89


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 631.2 / 83
p0 27.04 ± 0.02128
28
27.5
27
26.5
26
25.5

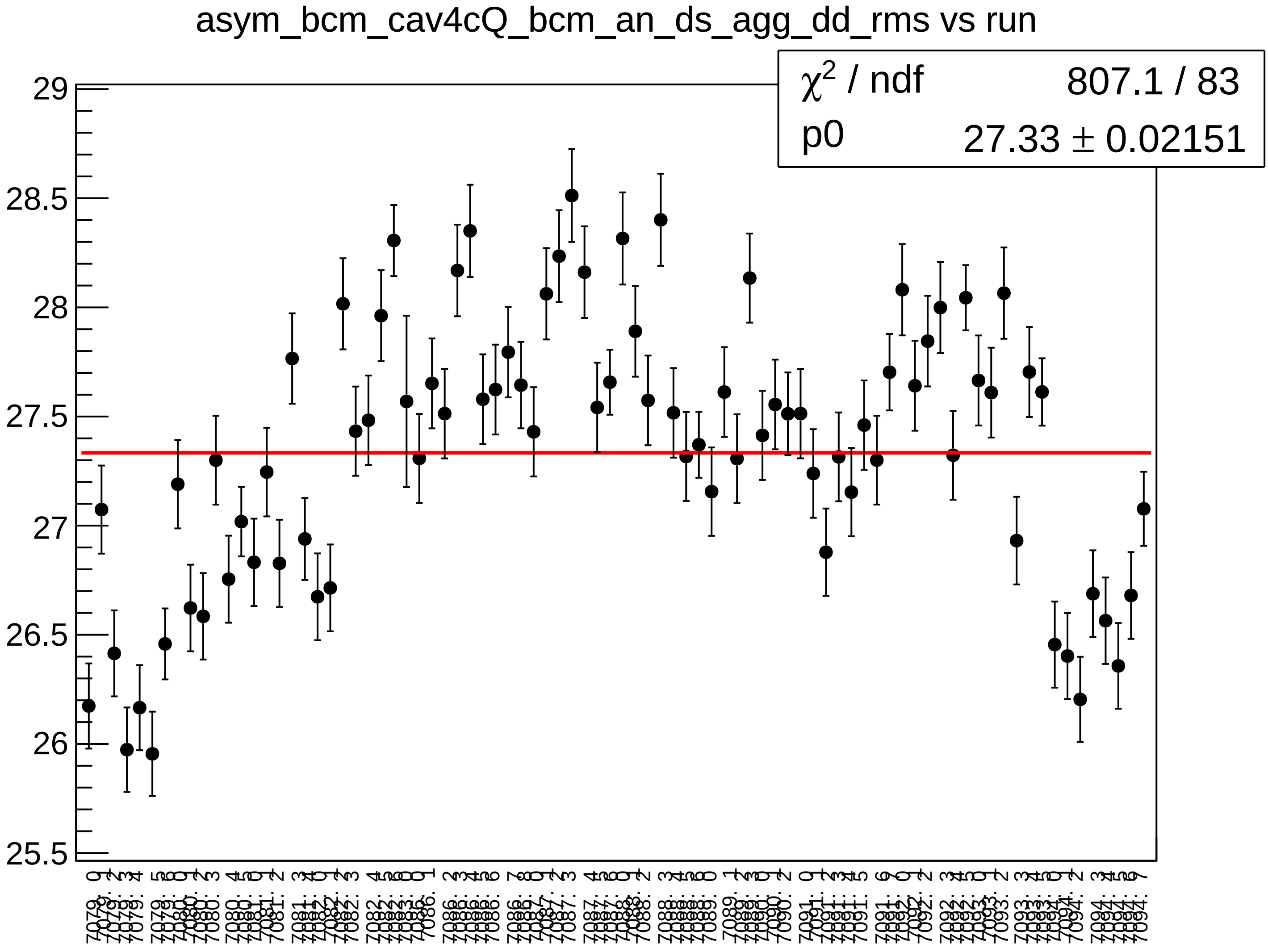


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 15.4 / 83
p0 75.14 ± 258.4
pull
Entries 84
Mean −948
Std Dev 995.3
pull1D
Entries 84
Mean −0.0008301
Std Dev 0.4282


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1.781e+04 / 83
p0 231 ± 0.1827
300
280
260
240
220
200
180

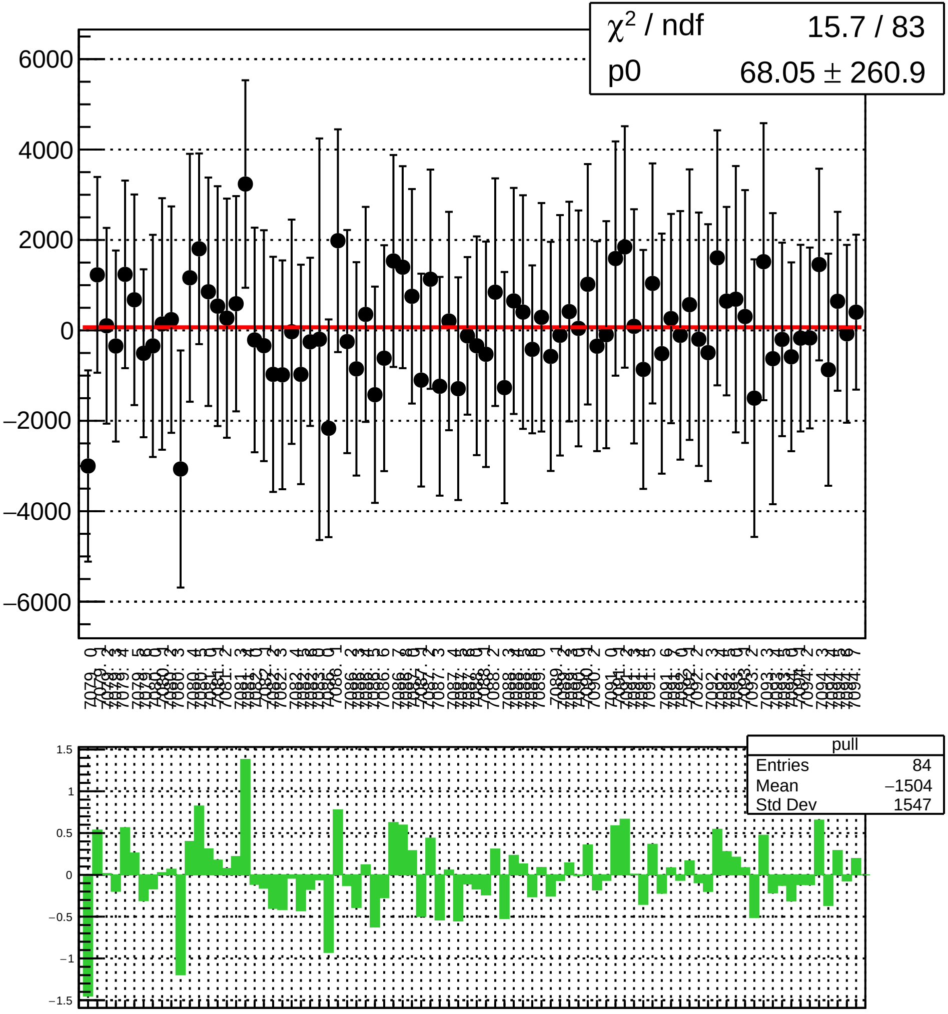


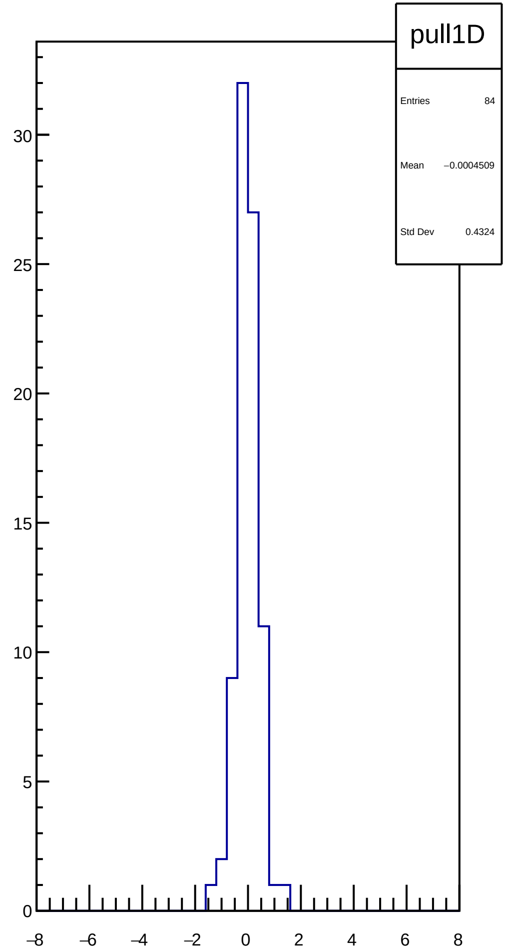
asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 72.13 / 83
p0 22.66 ± 30.42
pull
Entries 84
Mean −626.7
Std Dev 671.8
pull1D
Entries 84
Mean 0.003712
Std Dev 0.9266

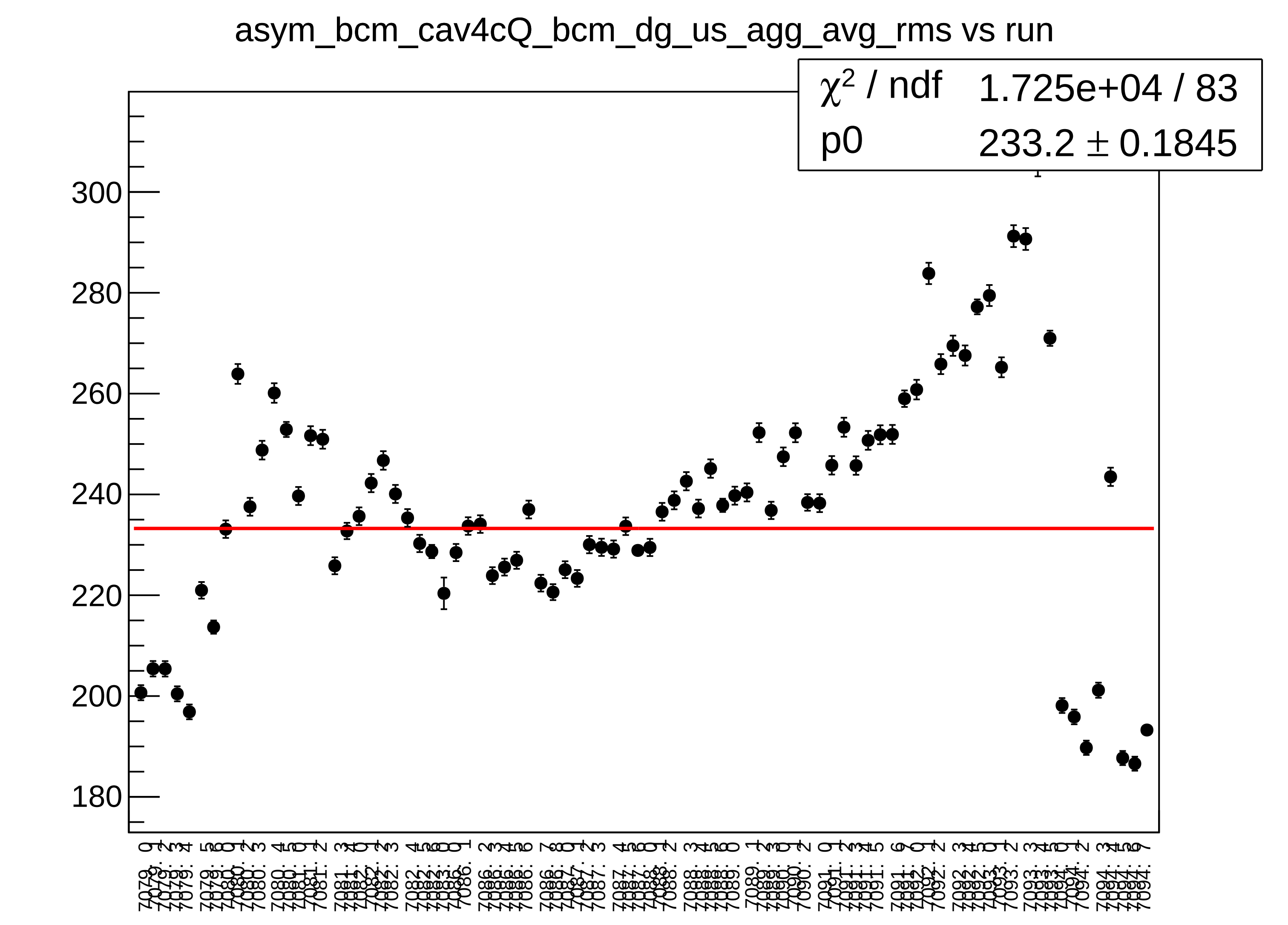


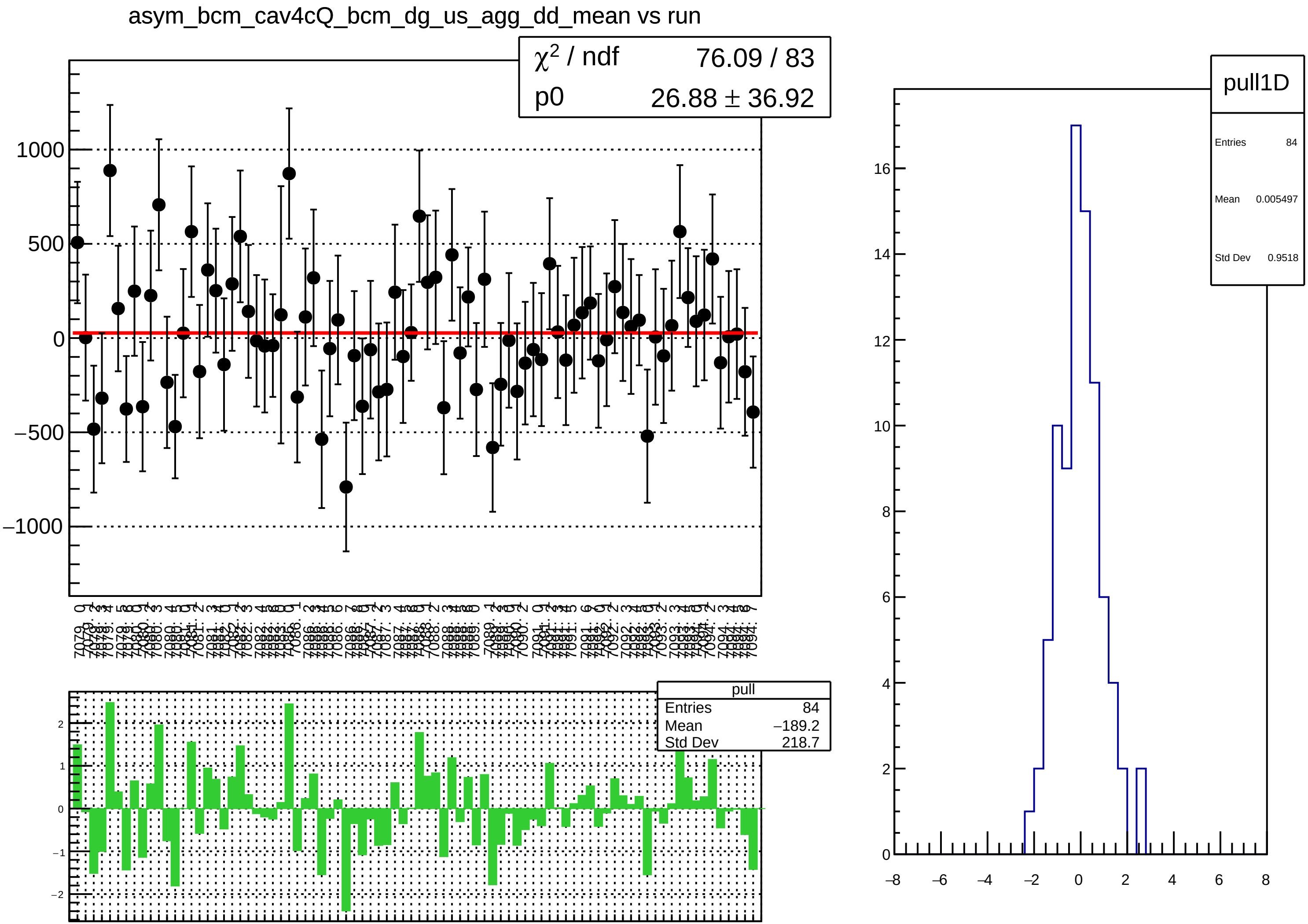
asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 807.1 / 83
p0 27.33 ± 0.02151
29
28.5
28
27.5
27
26.5
26
25.5

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run

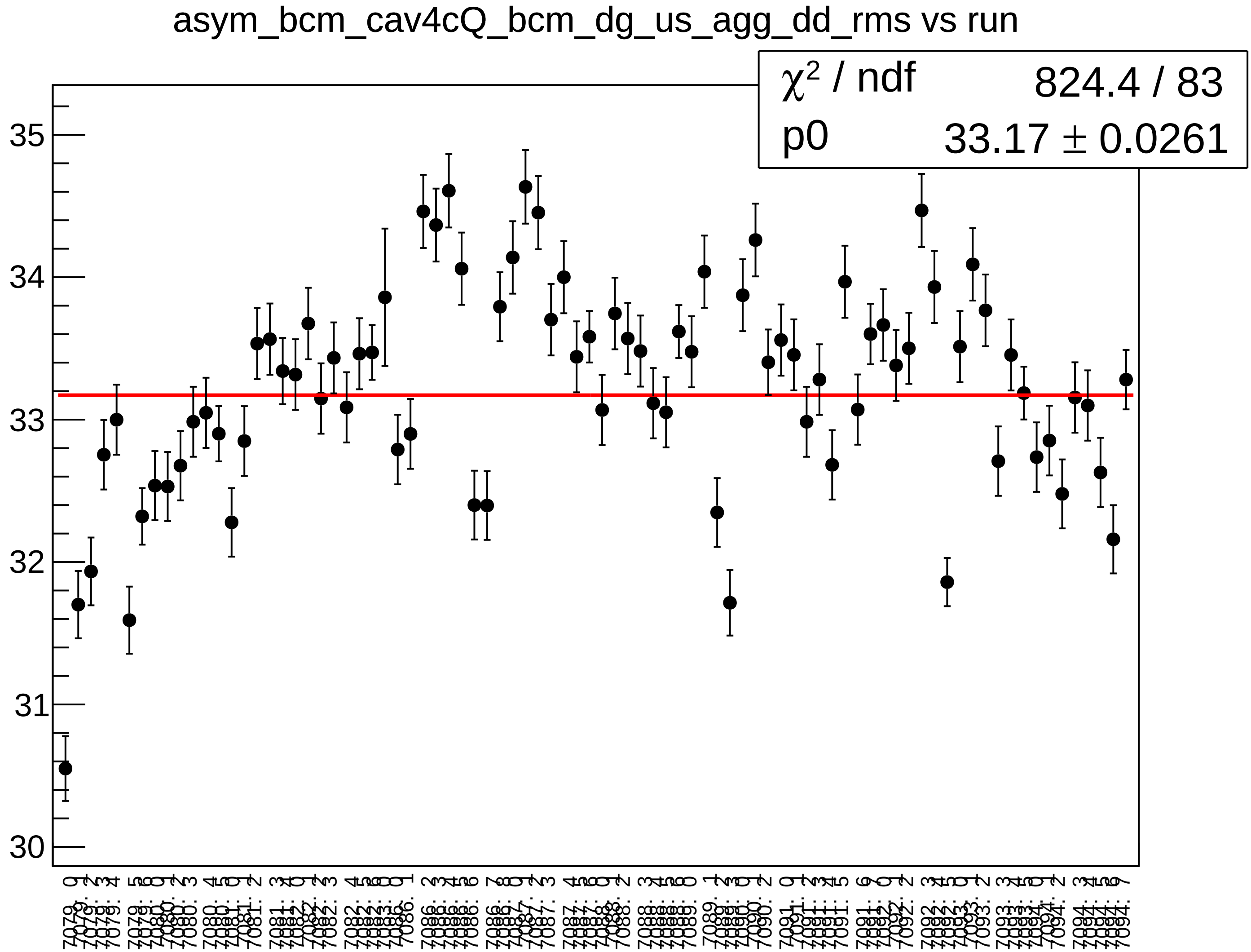





asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 1.725e+04 / 83
p0 233.2 ± 0.1845
300
280
260
240
220
200
180

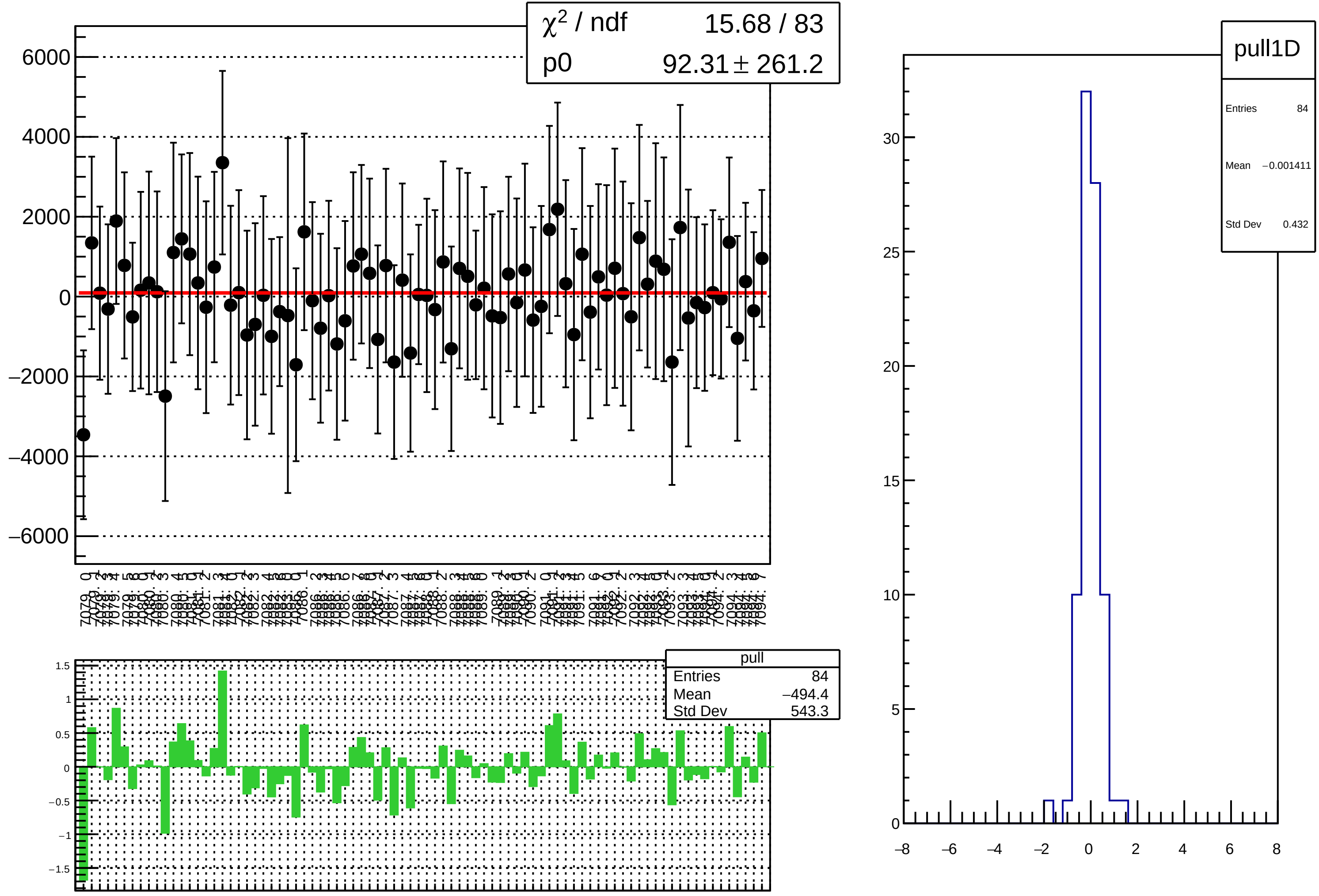


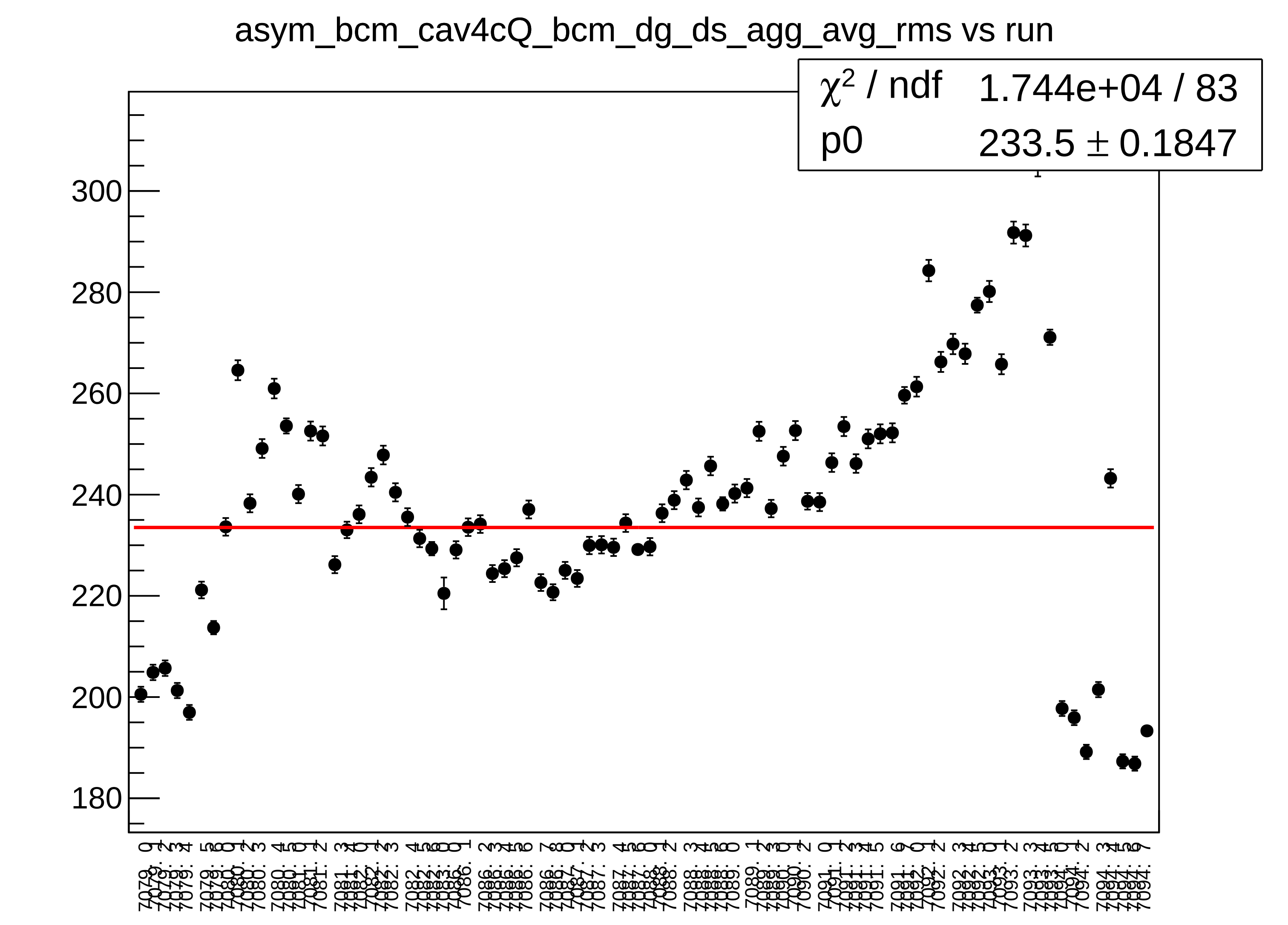
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 76.09 / 83
p0 26.88 ± 36.92
pull
Entries 84
Mean −189.2
Std Dev 218.7
pull1D
Entries 84
Mean 0.005497
Std Dev 0.9518



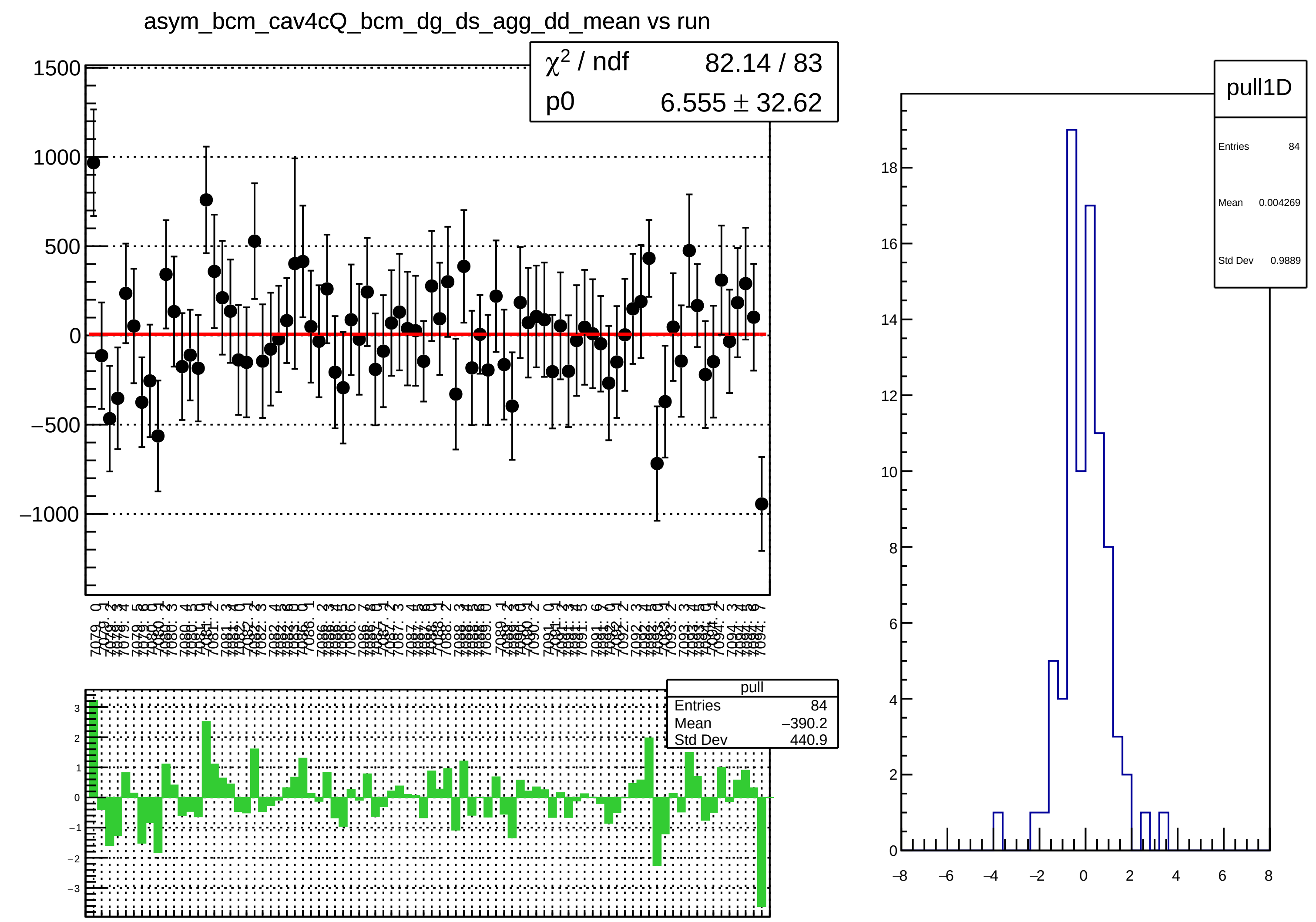
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ2 / ndf 824.4 / 83
p0 33.17 ± 0.0261
35
34
33
32
31
30

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run

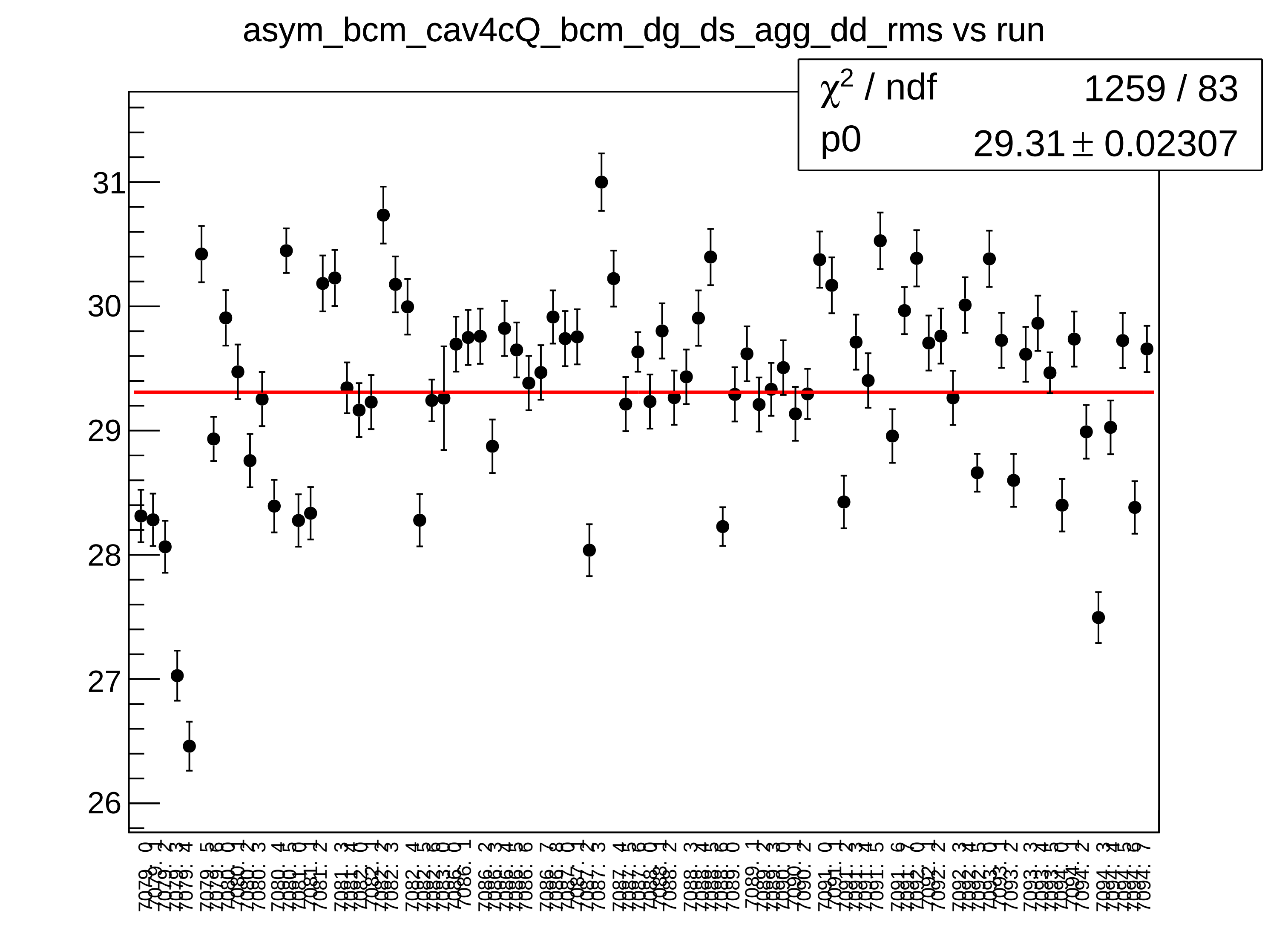


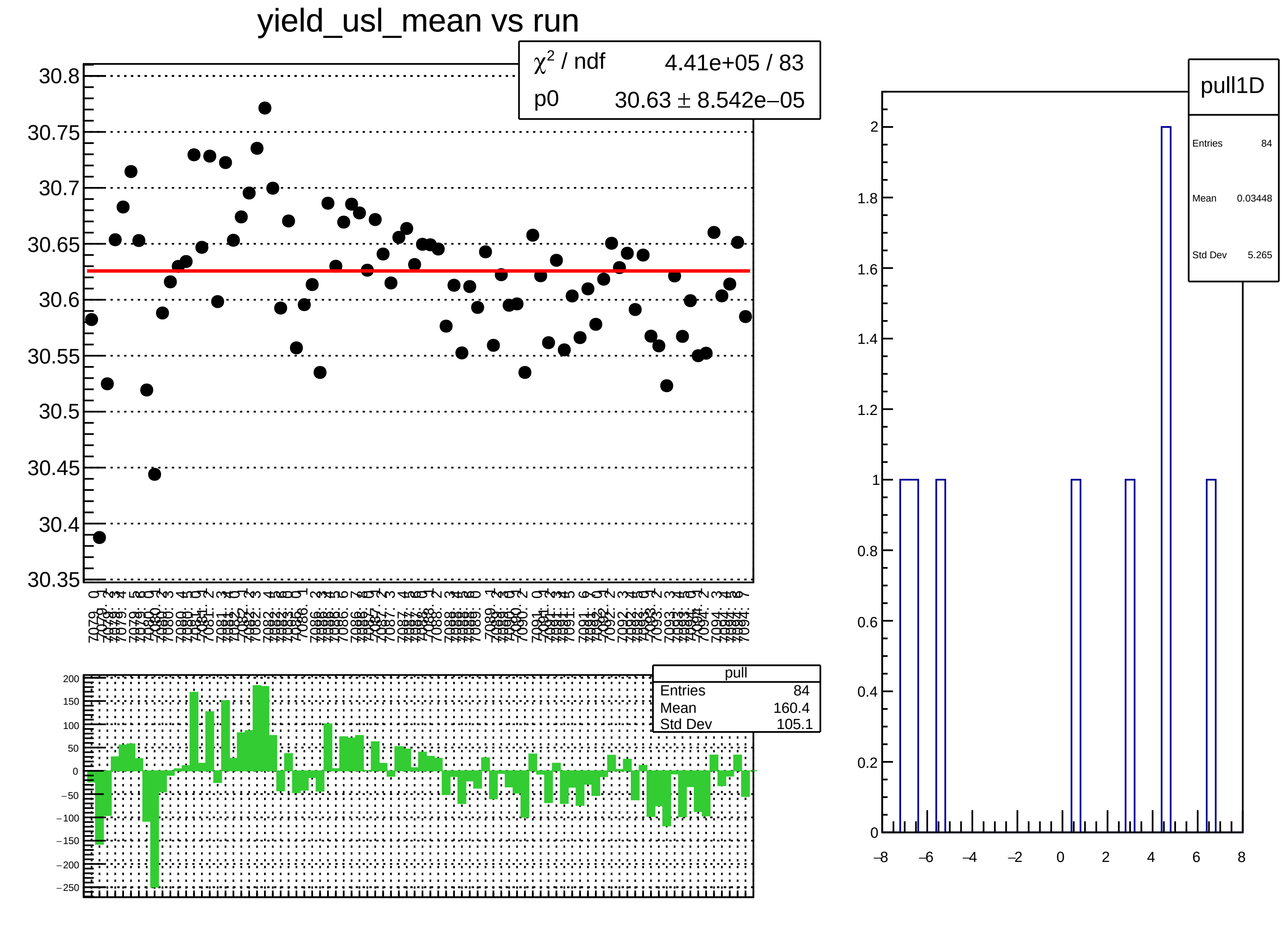


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 1.744e+04 / 83
p0 233.5 ± 0.1847
300
280
260
240
220
200
180

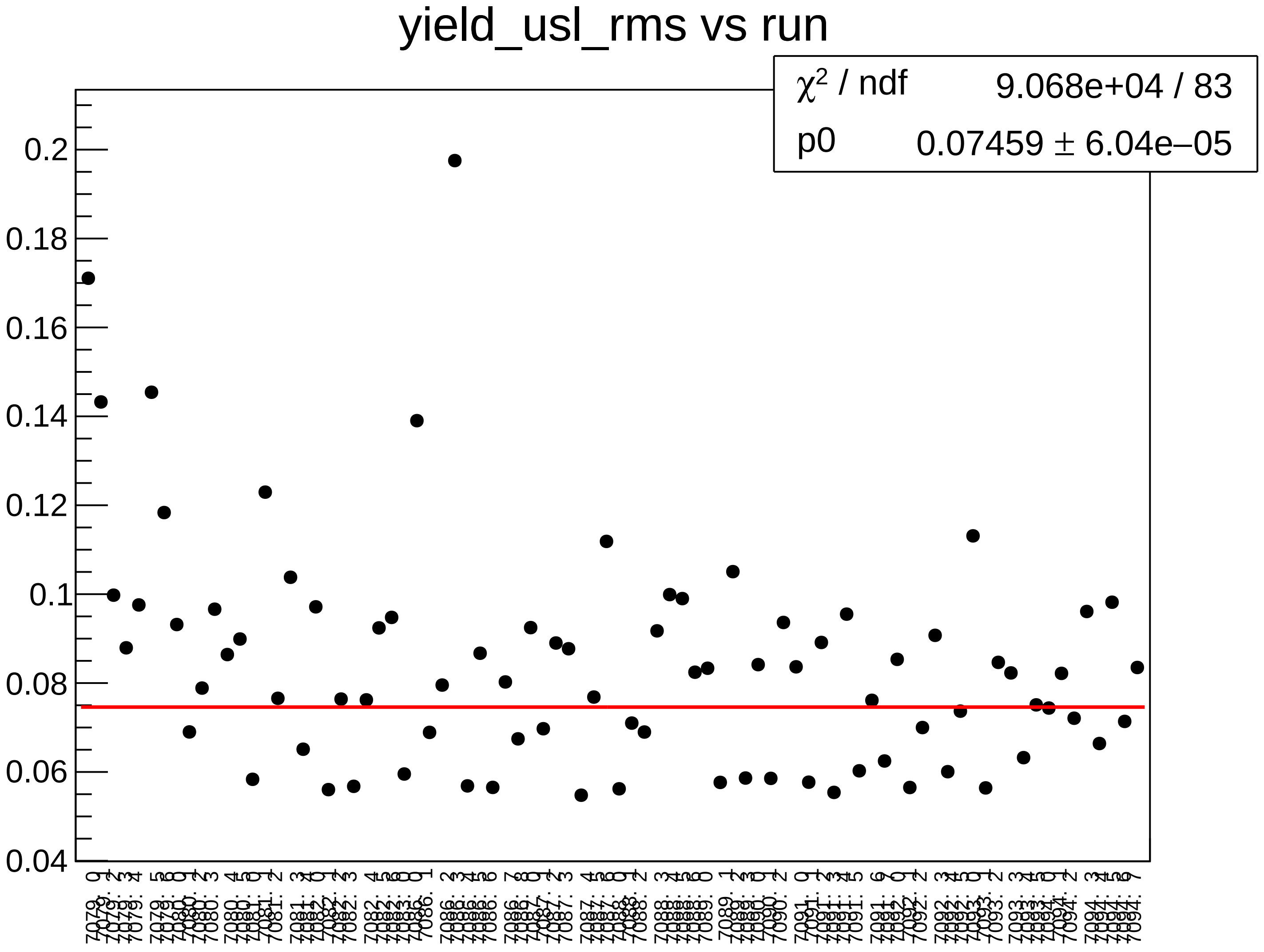


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 82.14 / 83
p0 6.555 ± 32.62
1500
1000
500
0
−500
−1000
pull
Entries 84
Mean −390.2
Std Dev 440.9
pull1D
Entries 84
Mean 0.004269
Std Dev 0.9889

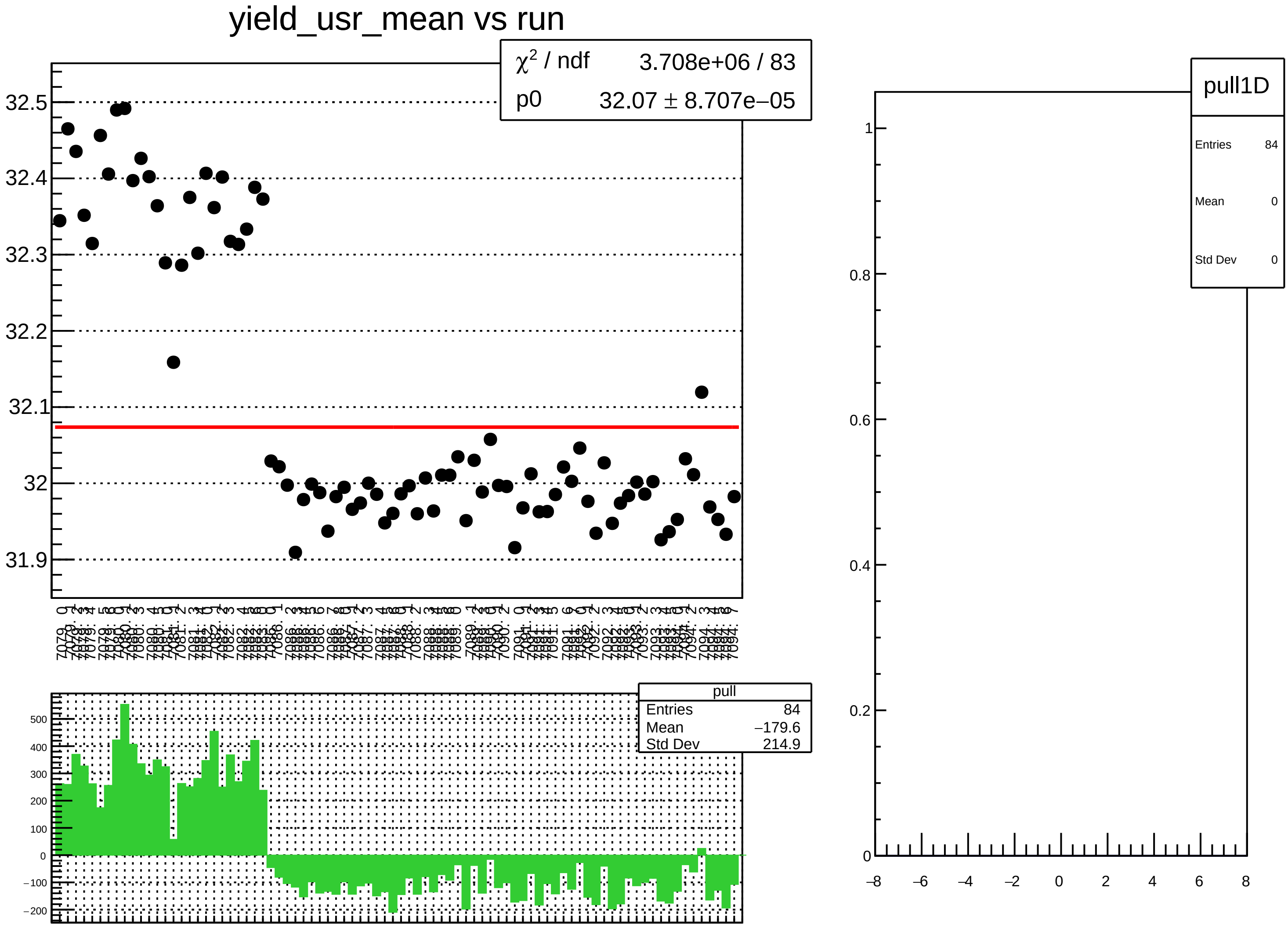

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 1259 / 83
p0 29.31 ± 0.02307
31
30
29
28
27
26



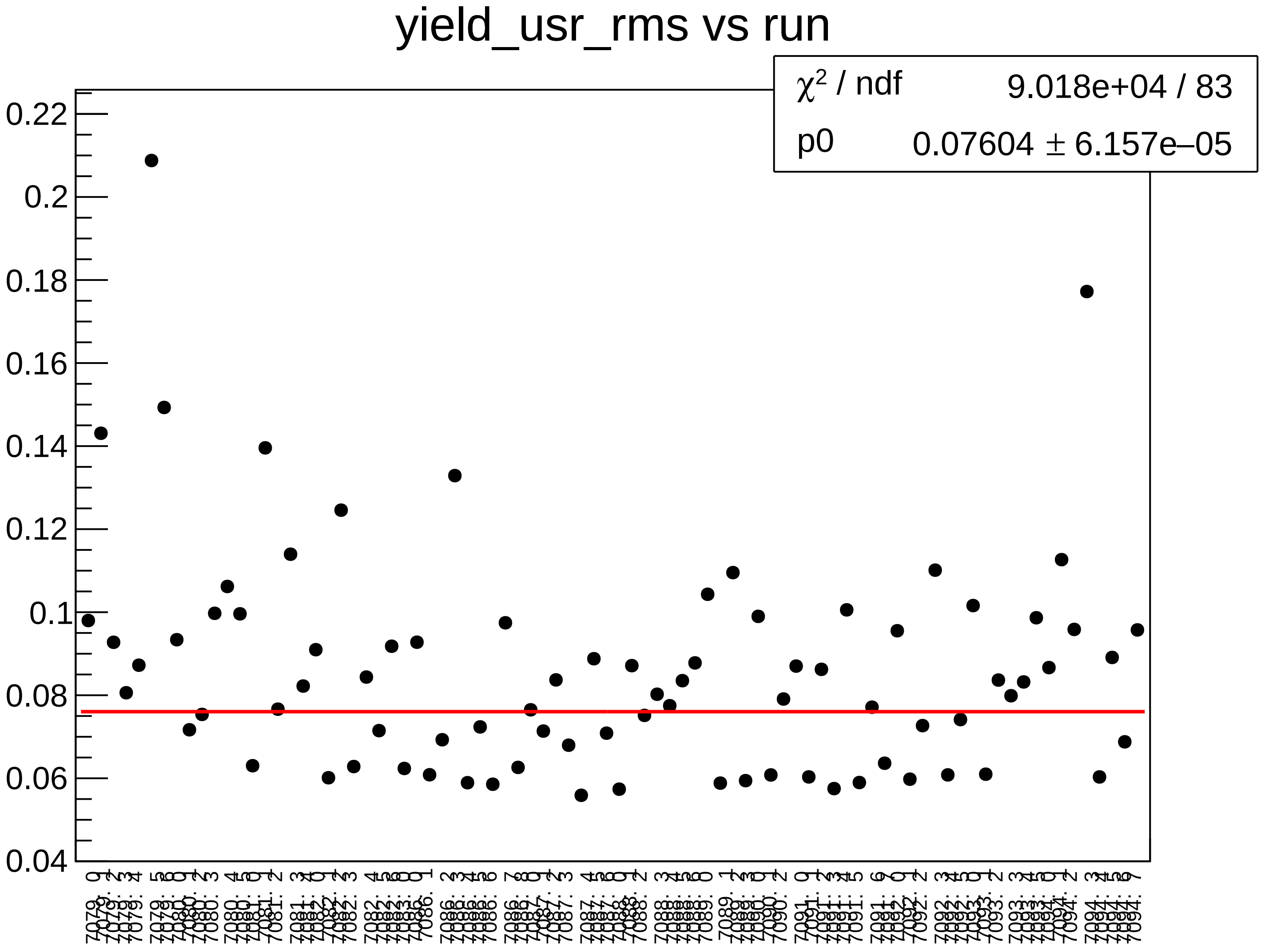
yield_usl_mean vs run
χ^2 / ndf 4.41e+05 / 83
p0 30.63 ± 8.542e−05
30.8
30.75
30.7
30.65
30.6
30.55
30.5
30.45
30.4
30.35
pull
Entries 84
Mean 160.4
Std Dev 105.1
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 84
Mean 0.03448
Std Dev 5.265
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

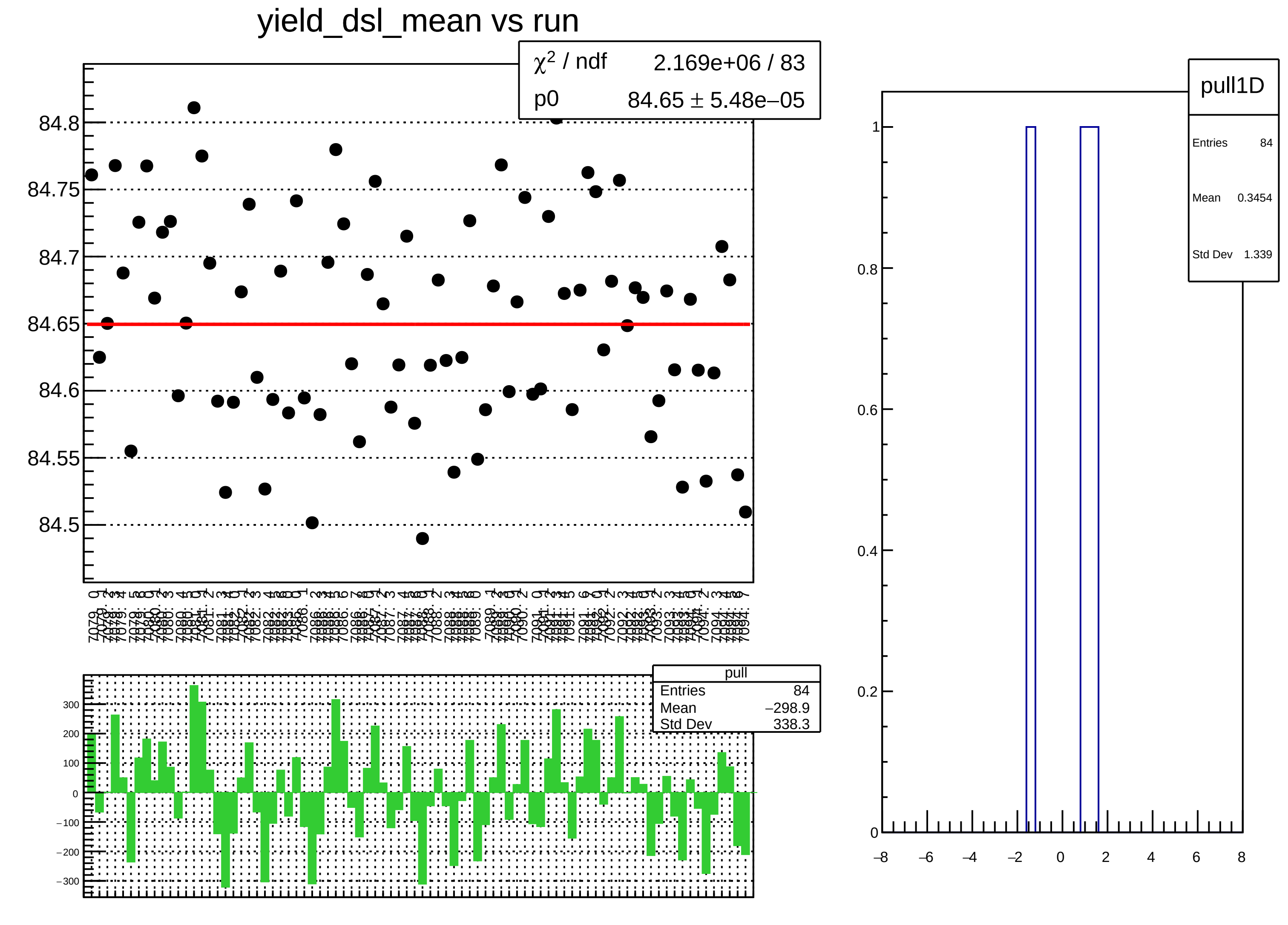


yield_usl_rms vs run
χ2 / ndf 9.068e+04 / 83
p0 0.07459 ± 6.04e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

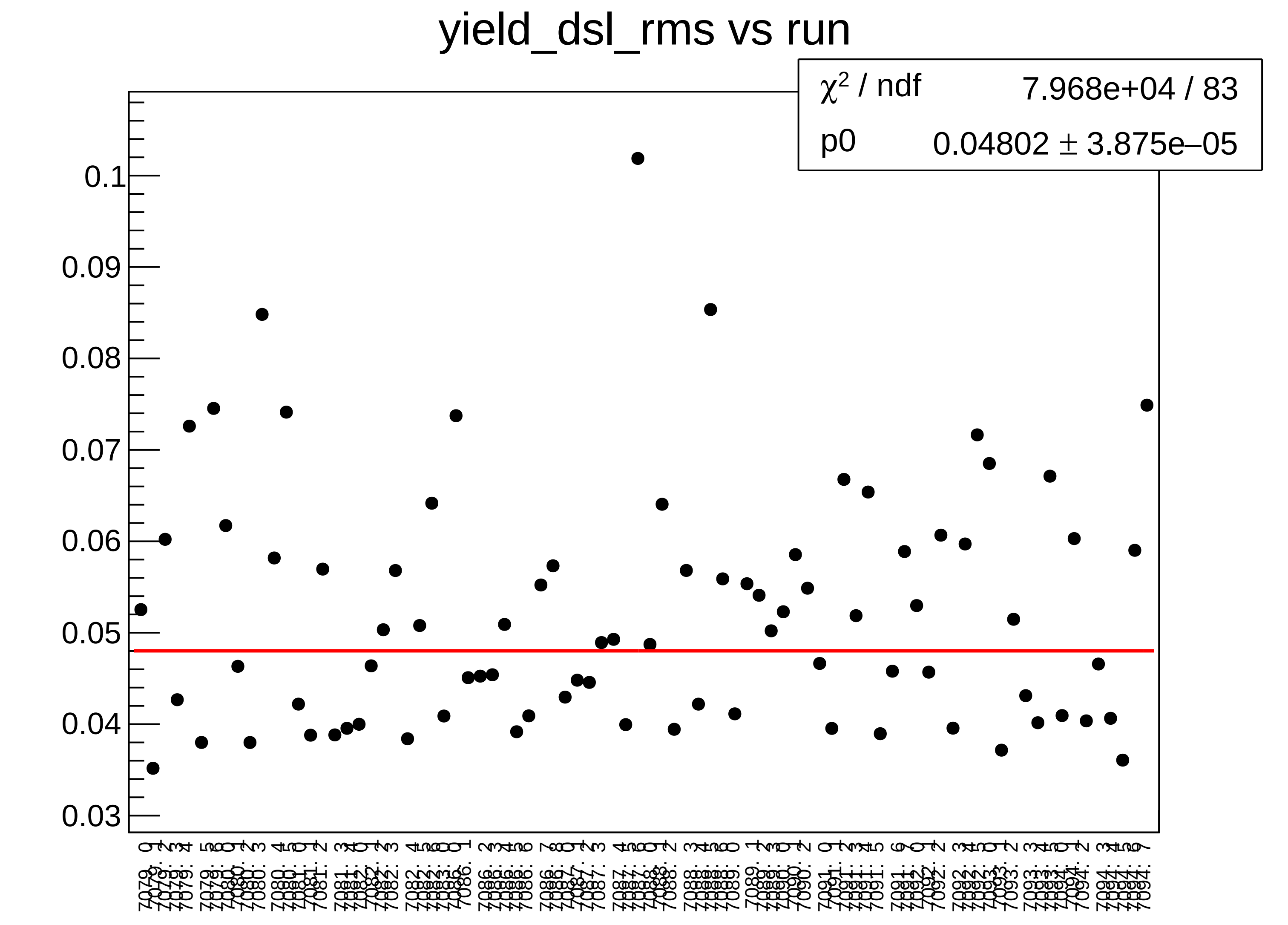


yield_usr_mean vs run
χ2 / ndf 3.708e+06 / 83
p0 32.07 ± 8.707e−05
pull
Entries 84
Mean −179.6
Std Dev 214.9
pull1D
Entries 84
Mean 0
Std Dev 0

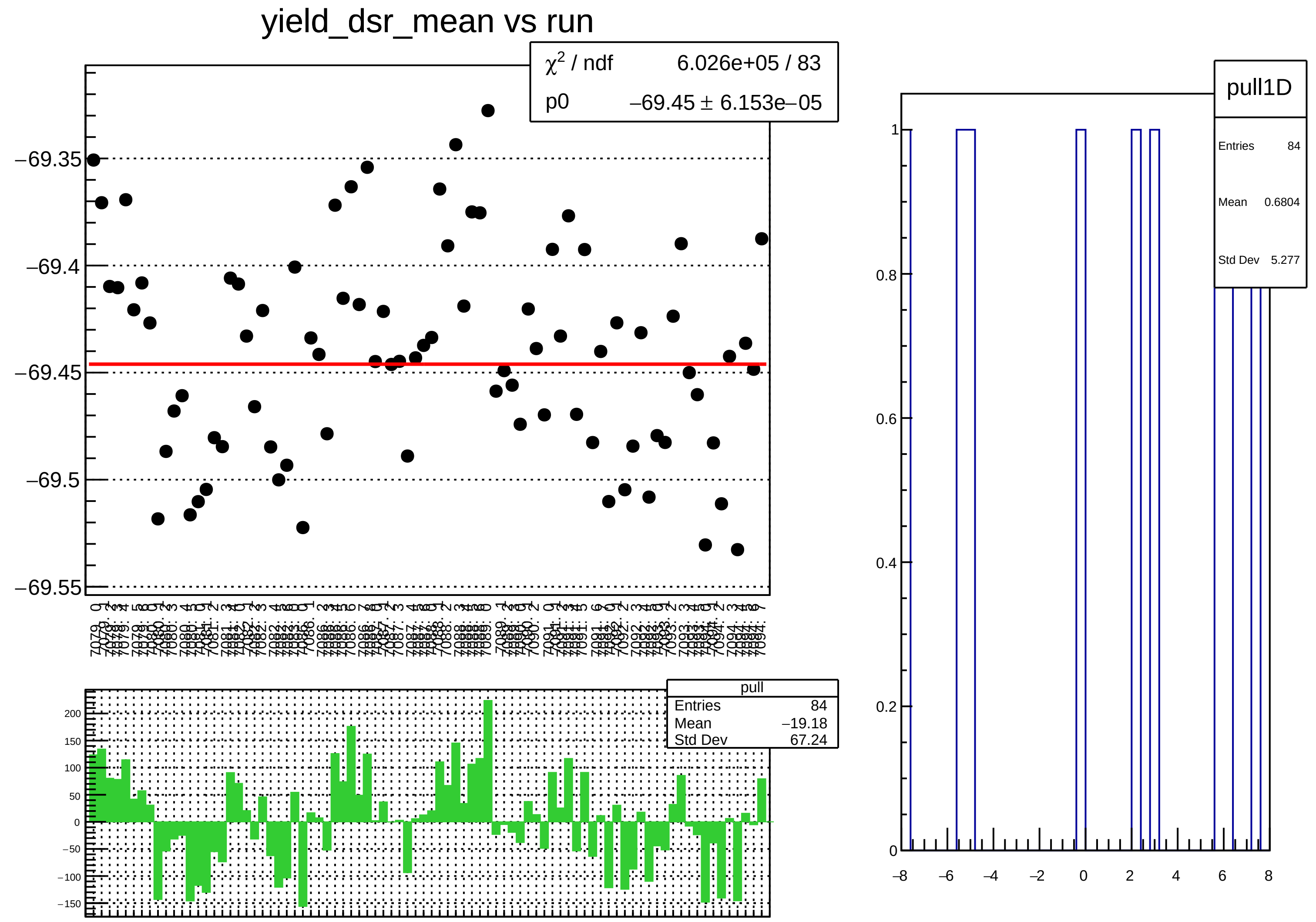

yield_usr_rms vs run
χ^2 / ndf 9.018e+04 / 83
p0 0.07604 ± 6.157e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04



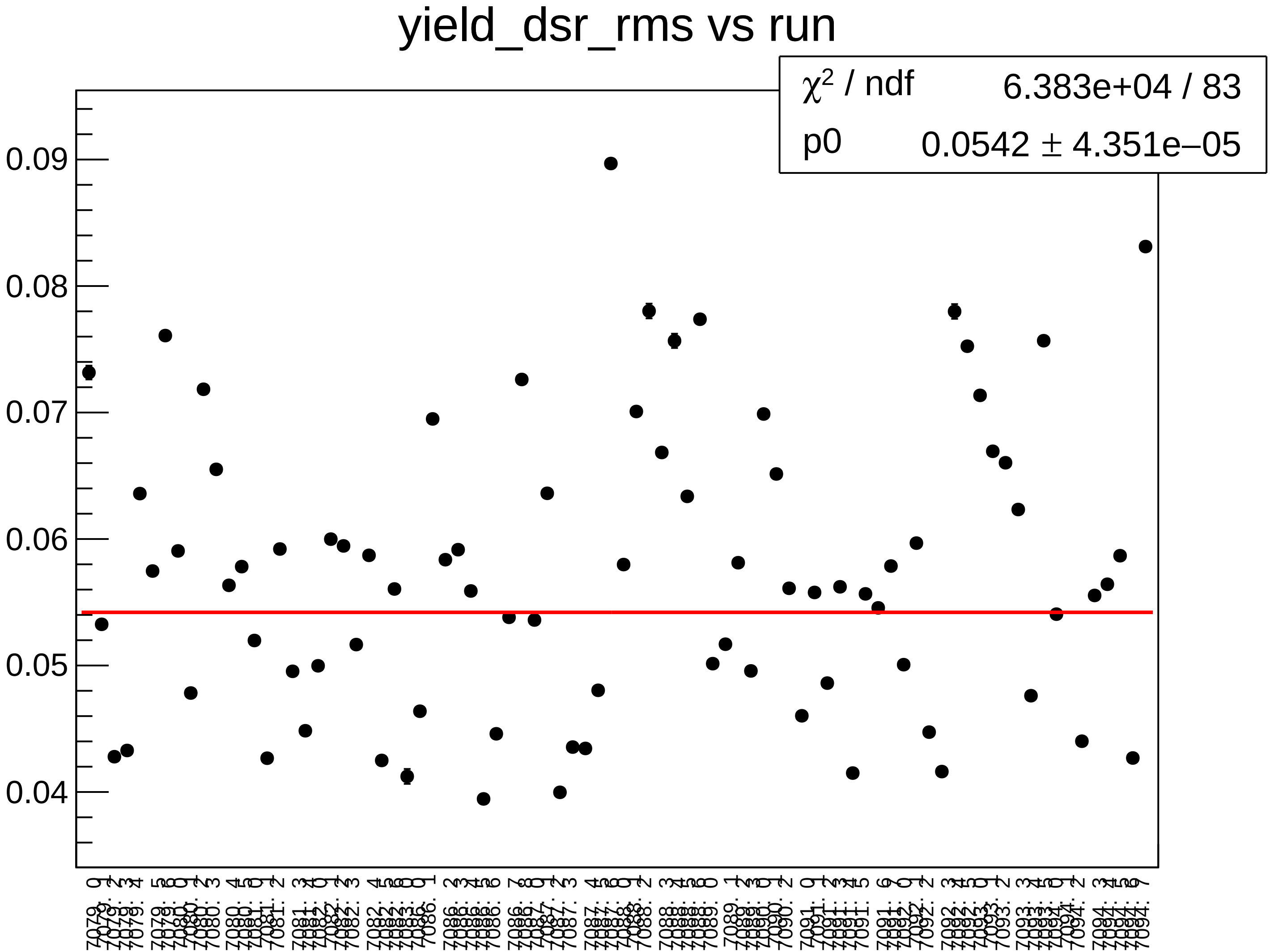
yield_dsl_mean vs run
χ^2 / ndf 2.169e+06 / 83
p0 84.65 ± 5.48e−05
pull
Entries 84
Mean −298.9
Std Dev 338.3
pull1D
Entries 84
Mean 0.3454
Std Dev 1.339

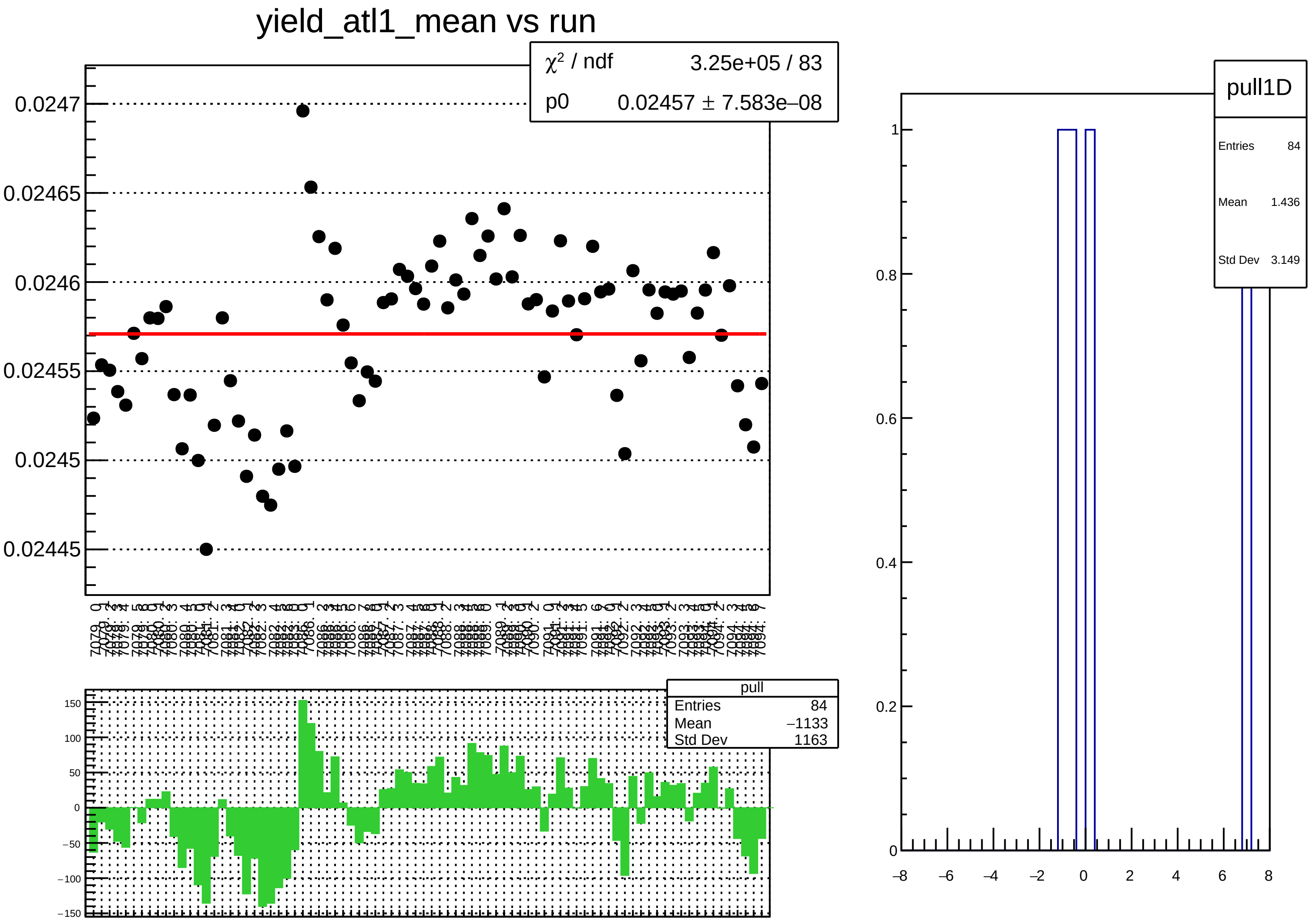


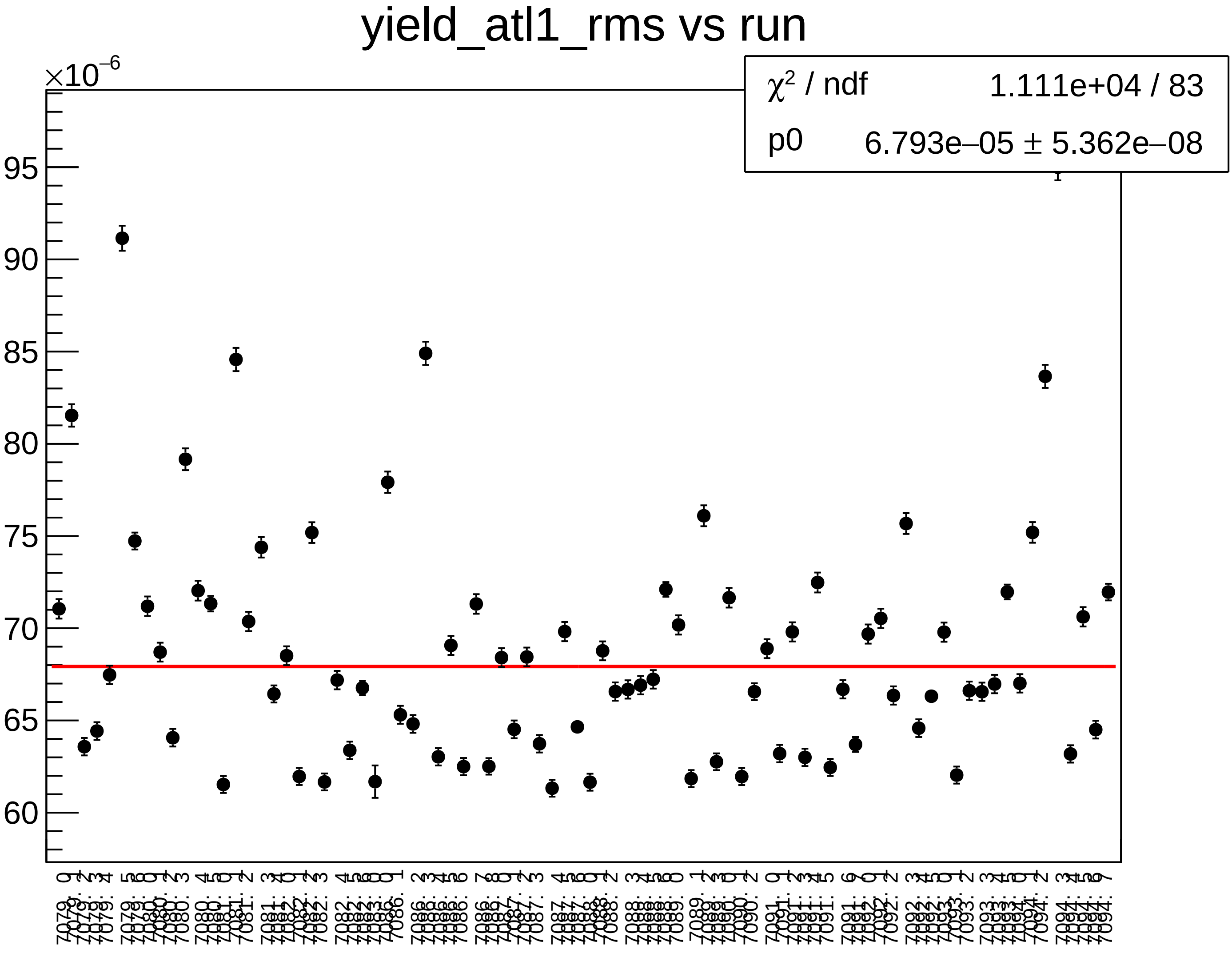
yield_dsl_rms vs run
χ2 / ndf 7.968e+04 / 83
p0 0.04802 ± 3.875e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03



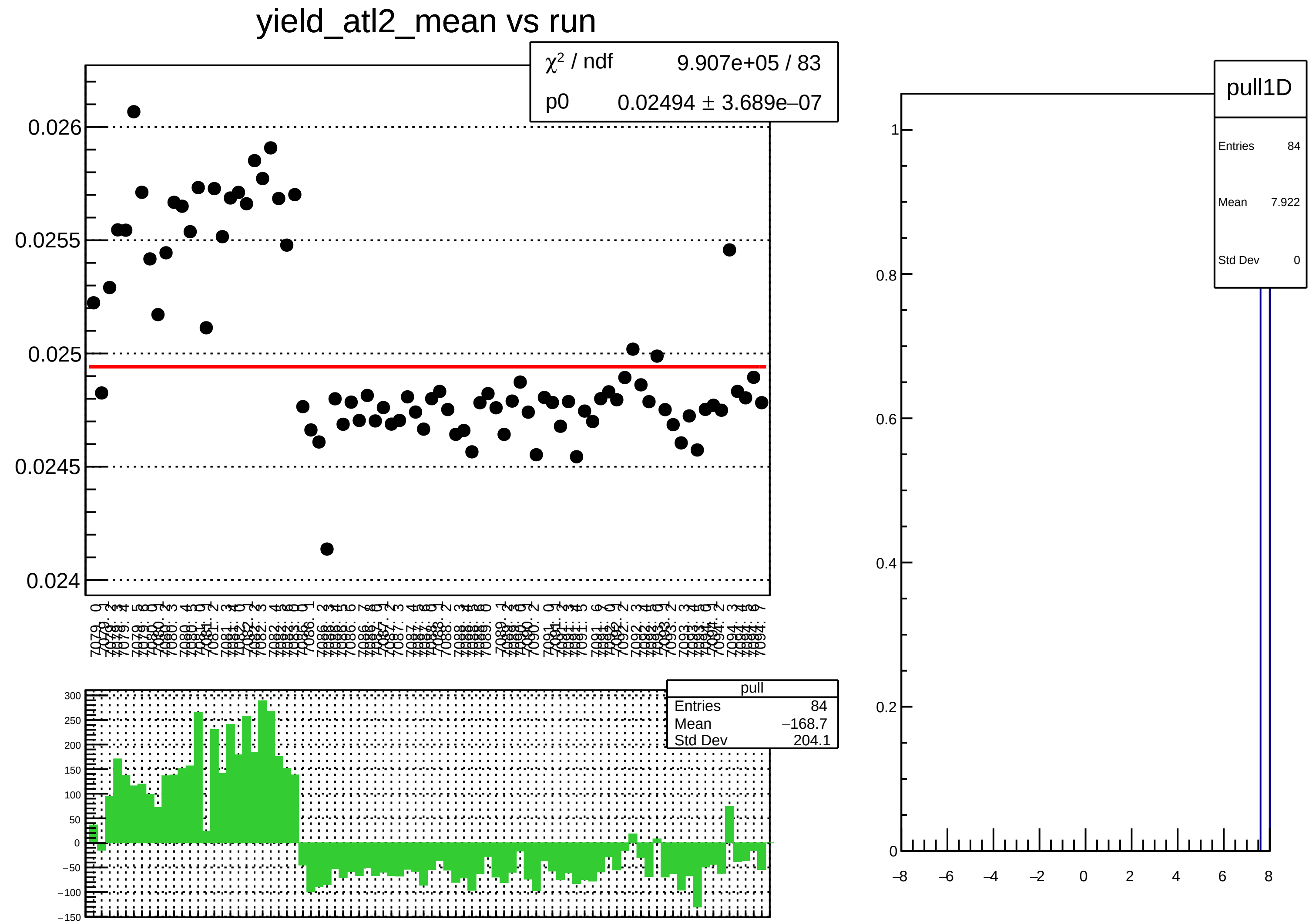
yield_dsr_mean vs run
χ^2 / ndf 6.026e+05 / 83
p0 −69.45 ± 6.153e−05
pull
Entries 84
Mean −19.18
Std Dev 67.24
pull1D
Entries 84
Mean 0.6804
Std Dev 5.277


yield_dsr_rms vs run
χ^2 / ndf 6.383e+04 / 83
p0 0.0542 ± 4.351e−05
0.09
0.08
0.07
0.06
0.05
0.04

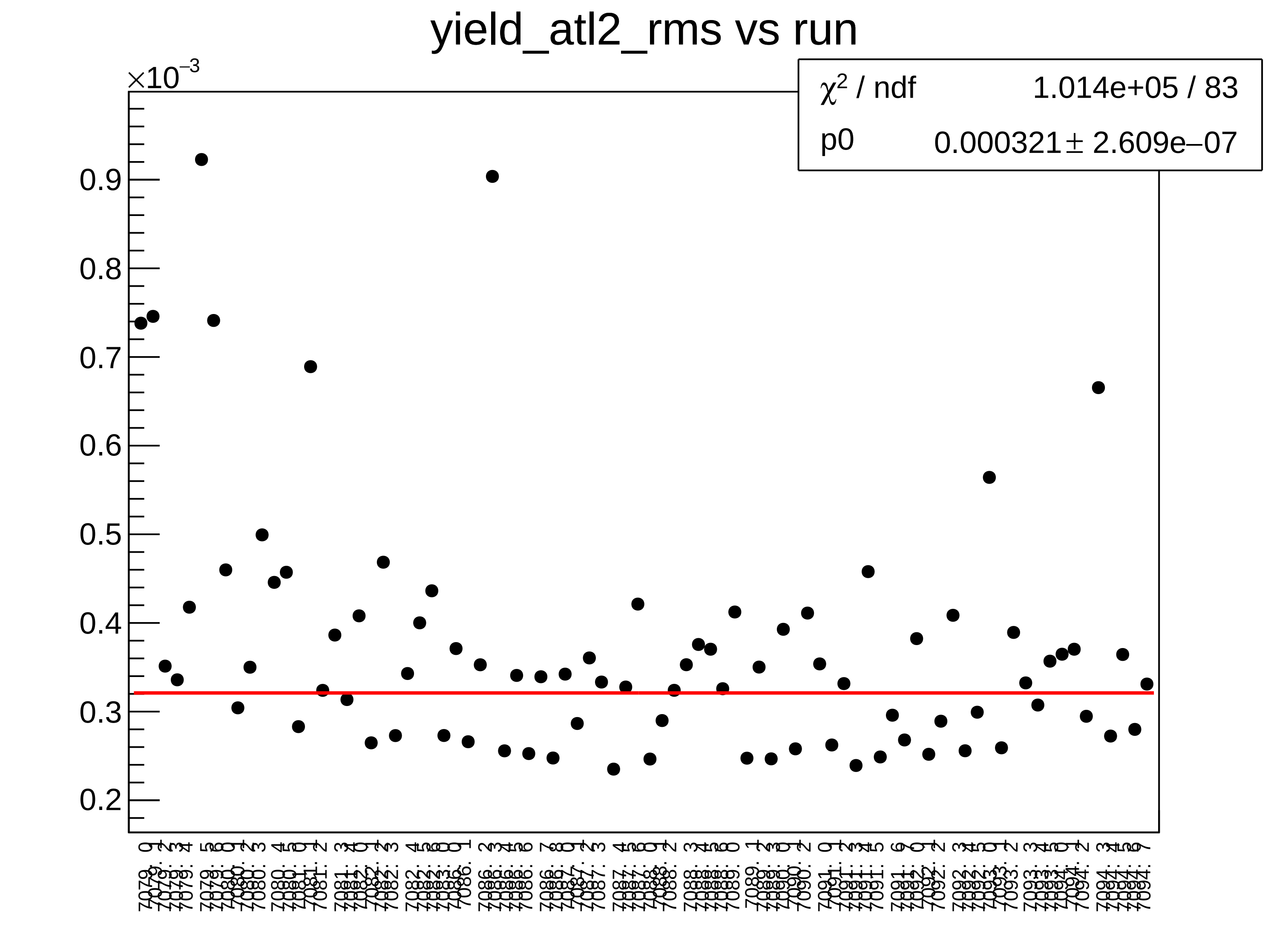

yield_atl1_mean vs run
χ² / ndf 3.25e+05 / 83
p0 0.02457 ± 7.583e−08
pull
Entries 84
Mean −1133
Std Dev 1163
pull1D
Entries 84
Mean 1.436
Std Dev 3.149

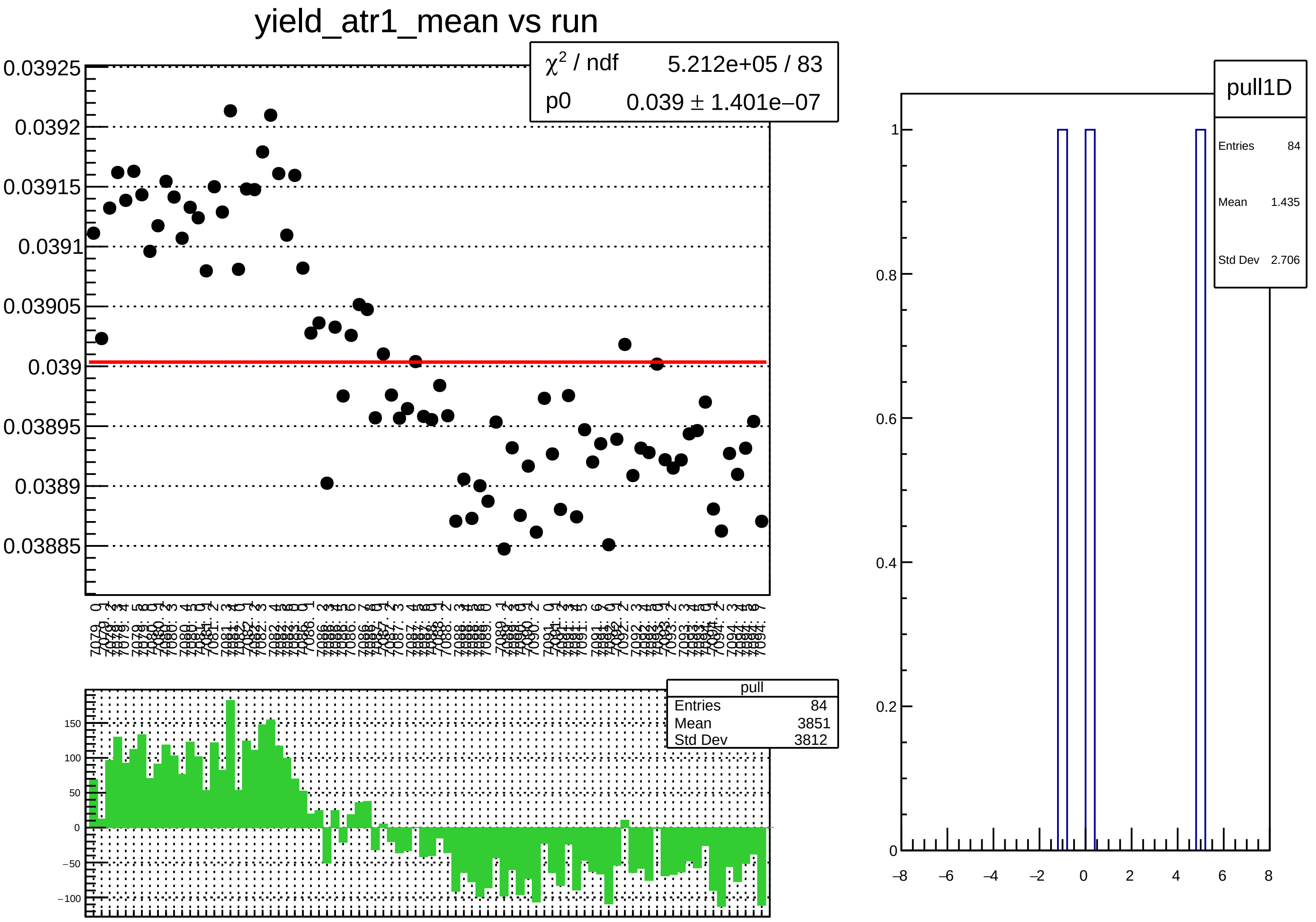


yield_atl1_rms vs run
×10⁻⁶
χ² / ndf 1.111e+04 / 83
p0 6.793e−05 ± 5.362e−08
95
90
85
80
75
70
65
60

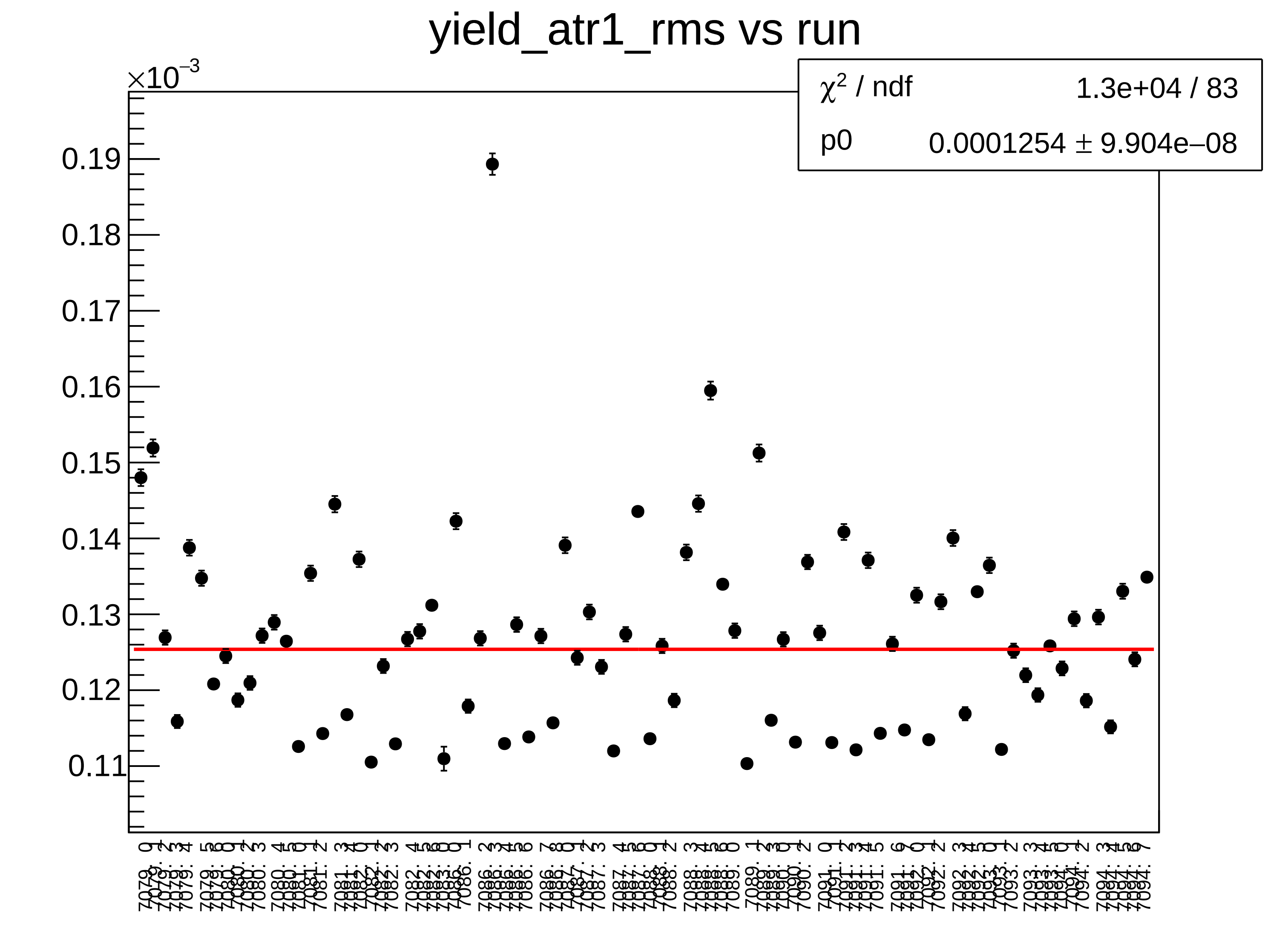


yield_atl2_mean vs run
χ^2 / ndf 9.907e+05 / 83
p0 0.02494 ± 3.689e−07
0.026
0.0255
0.025
0.0245
0.024
pull
Entries 84
Mean −168.7
Std Dev 204.1
300
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 84
Mean 7.922
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

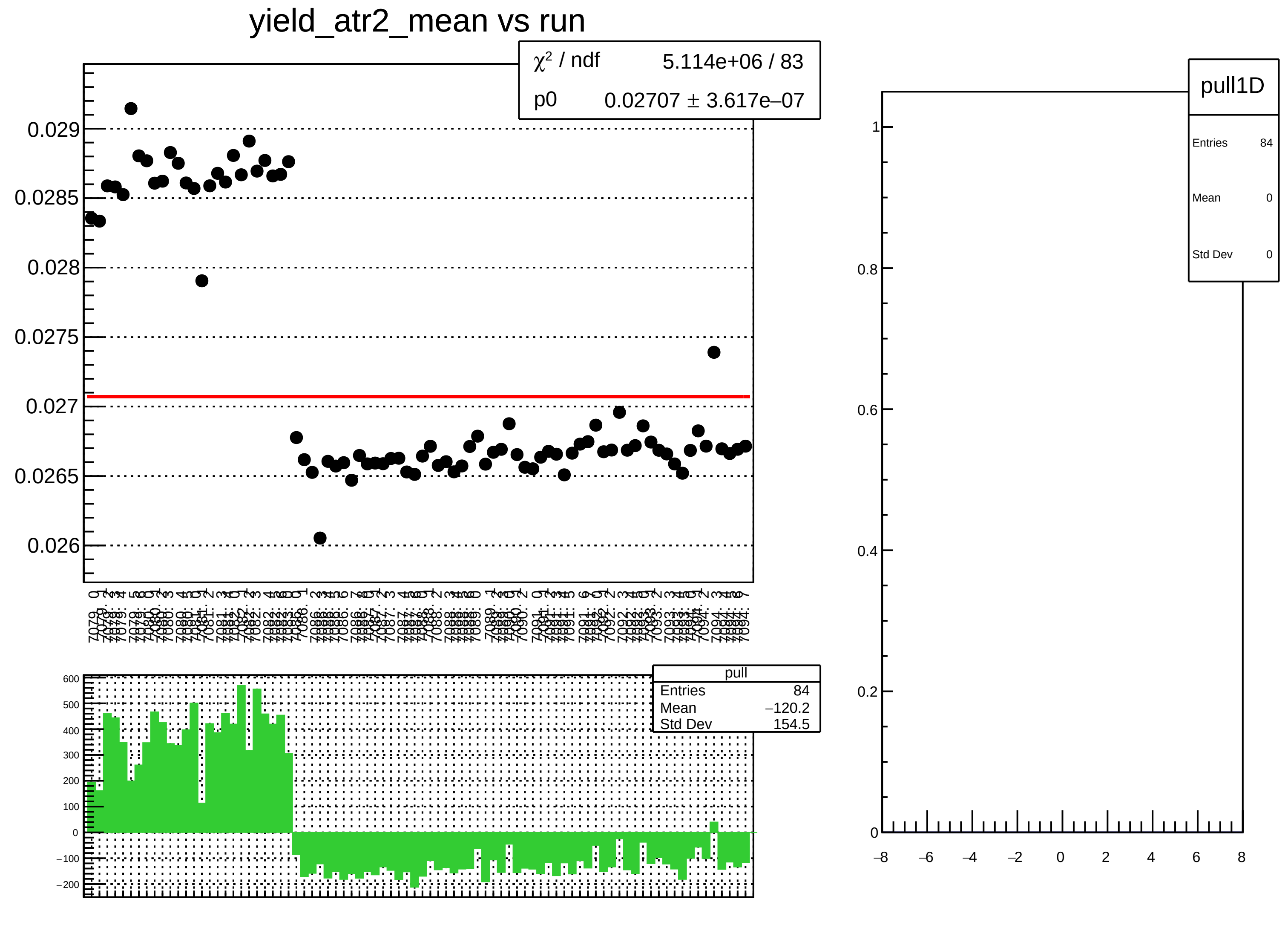

yield_atl2_rms vs run
$\times10^{-3}$
χ^2 / ndf 1.014e+05 / 83
p0 0.000321 ± 2.609e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2



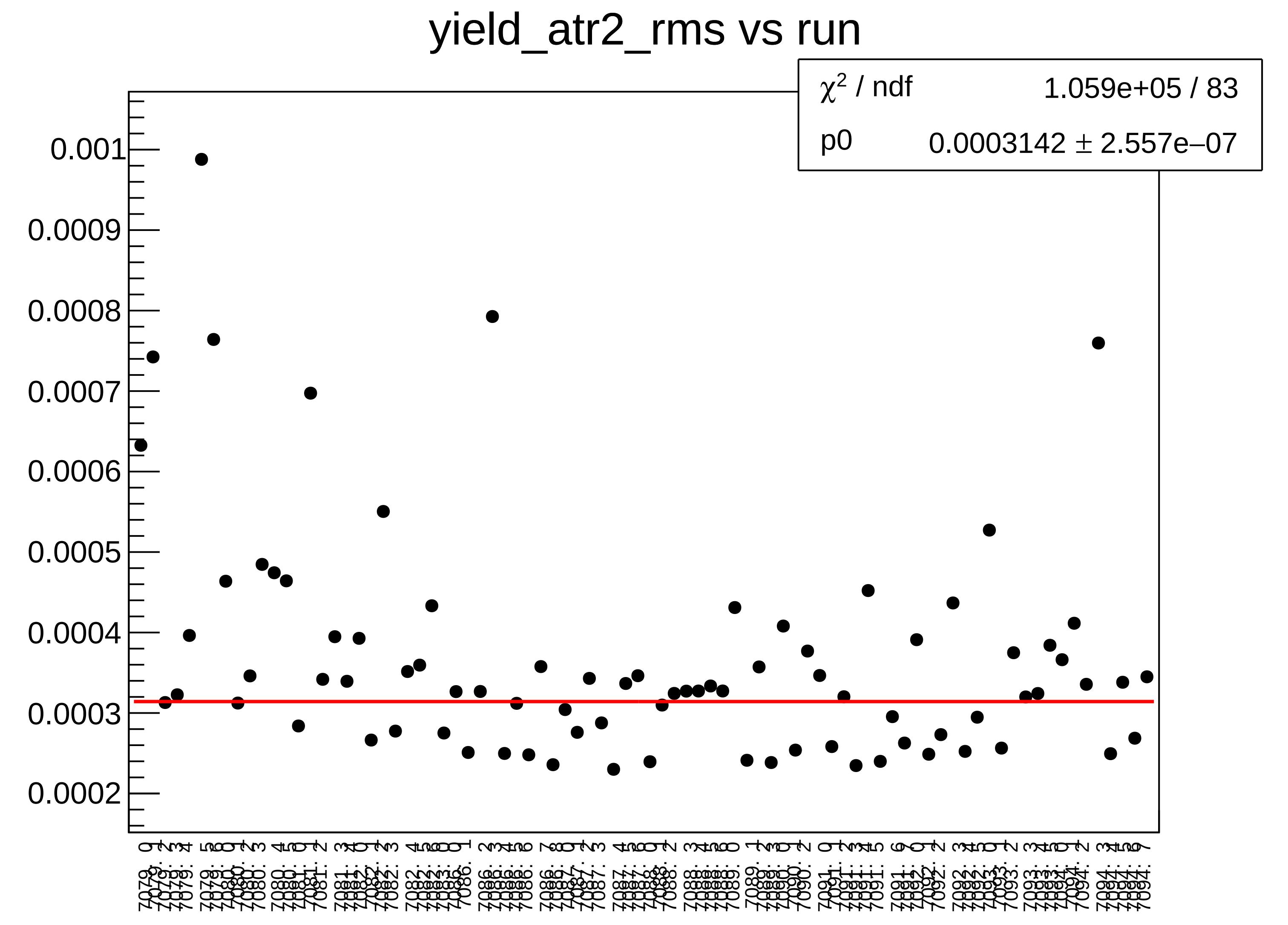
yield_atr1_mean vs run
χ2 / ndf 5.212e+05 / 83
p0 0.039 ± 1.401e−07
pull
Entries 84
Mean 3851
Std Dev 3812
pull1D
Entries 84
Mean 1.435
Std Dev 2.706

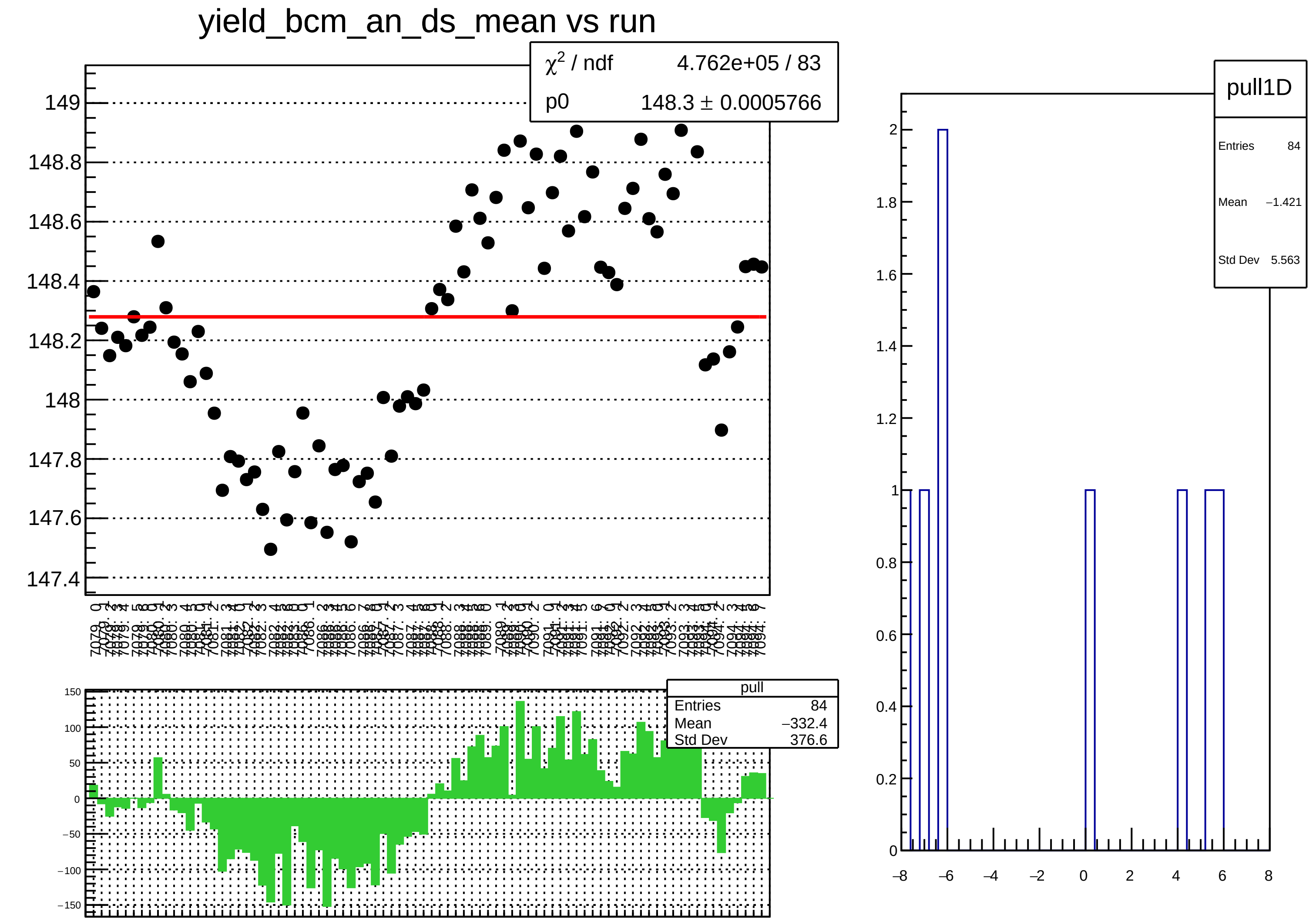


yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.3e+04 / 83
p0 0.0001254 ± 9.904e−08
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11

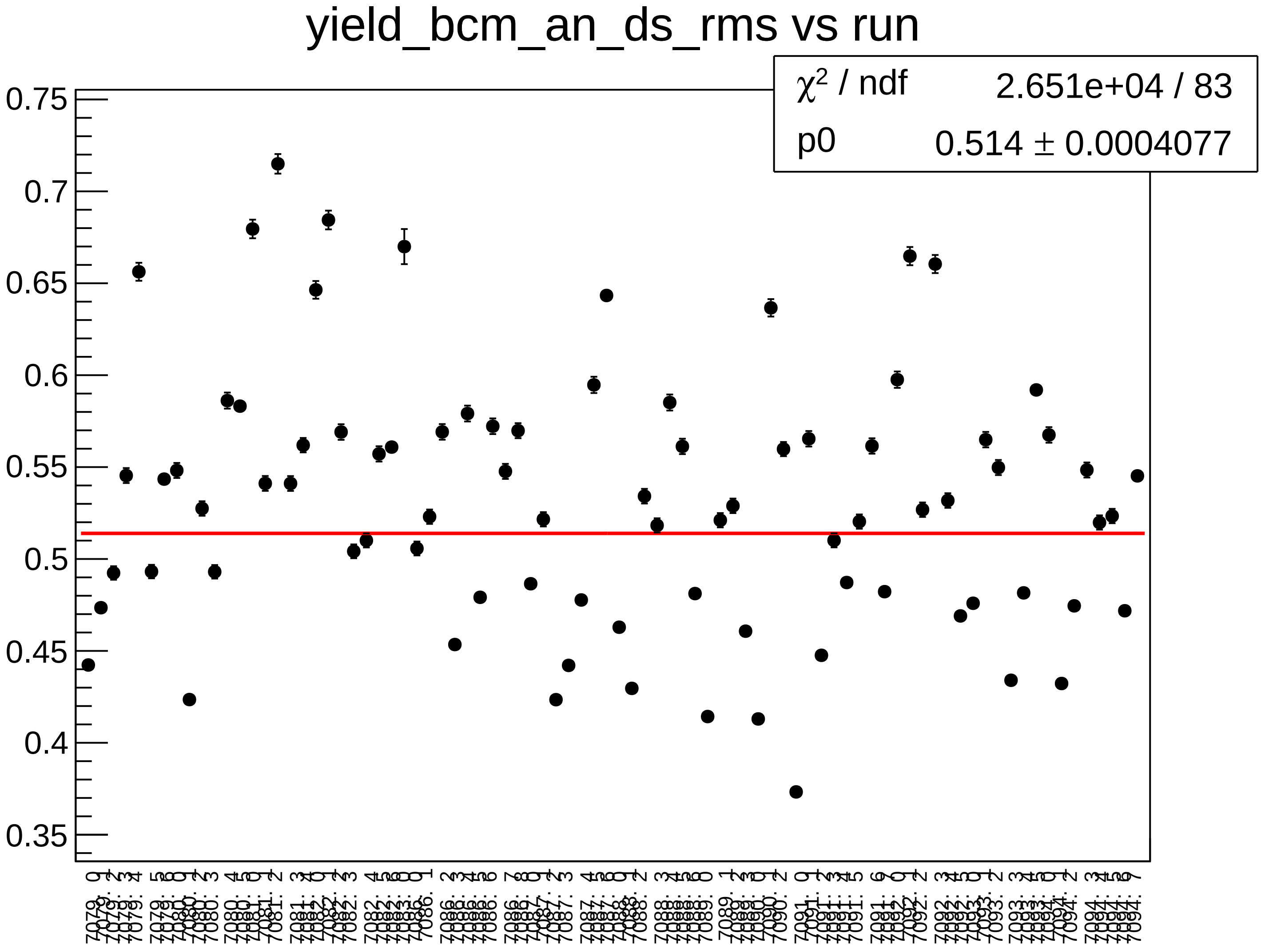


yield_atr2_mean vs run
χ² / ndf 5.114e+06 / 83
p0 0.02707 ± 3.617e−07
pull
Entries 84
Mean −120.2
Std Dev 154.5
pull1D
Entries 84
Mean 0
Std Dev 0

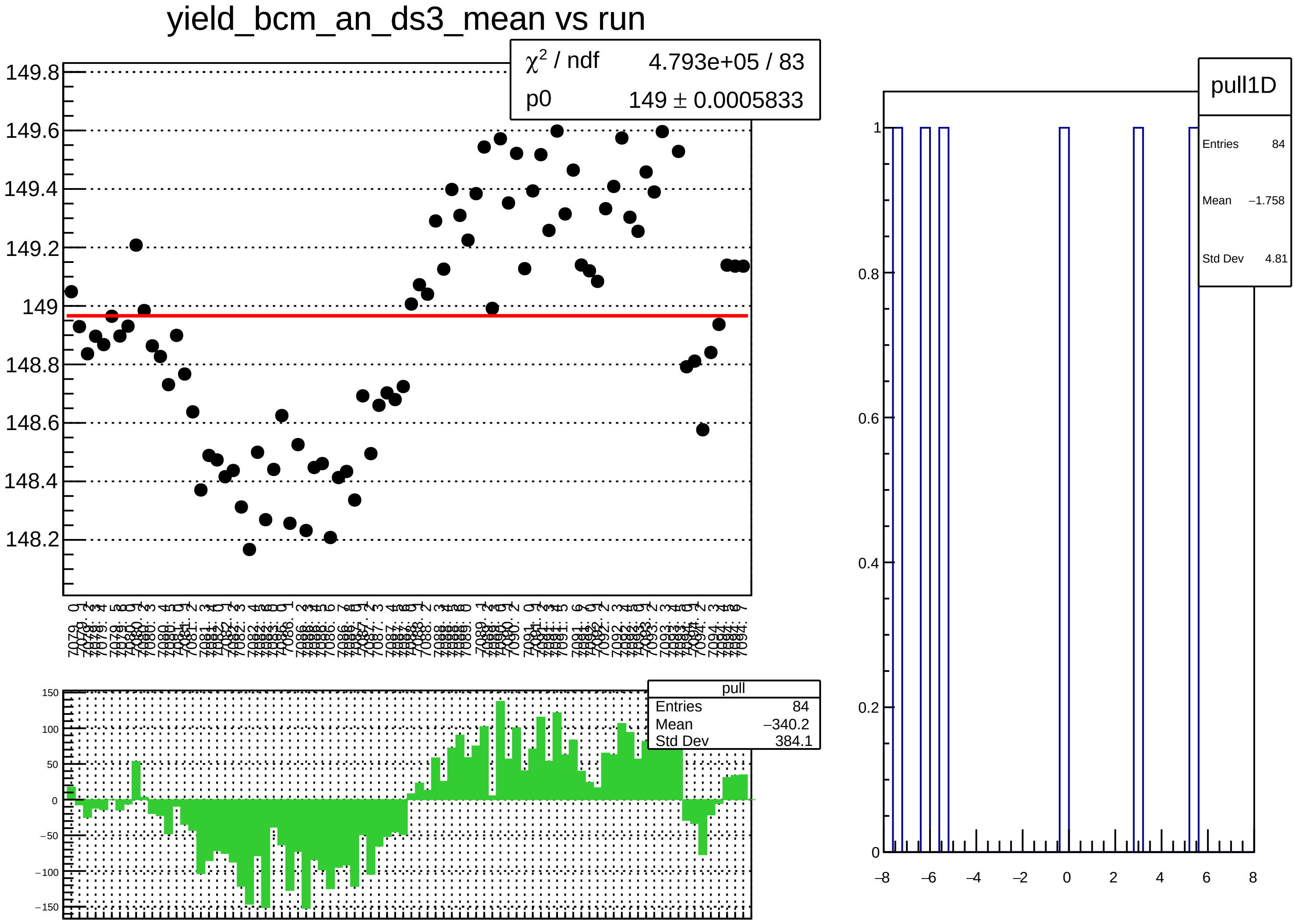

yield_atr2_rms vs run
χ2 / ndf 1.059e+05 / 83
p0 0.0003142 ± 2.557e−07
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002



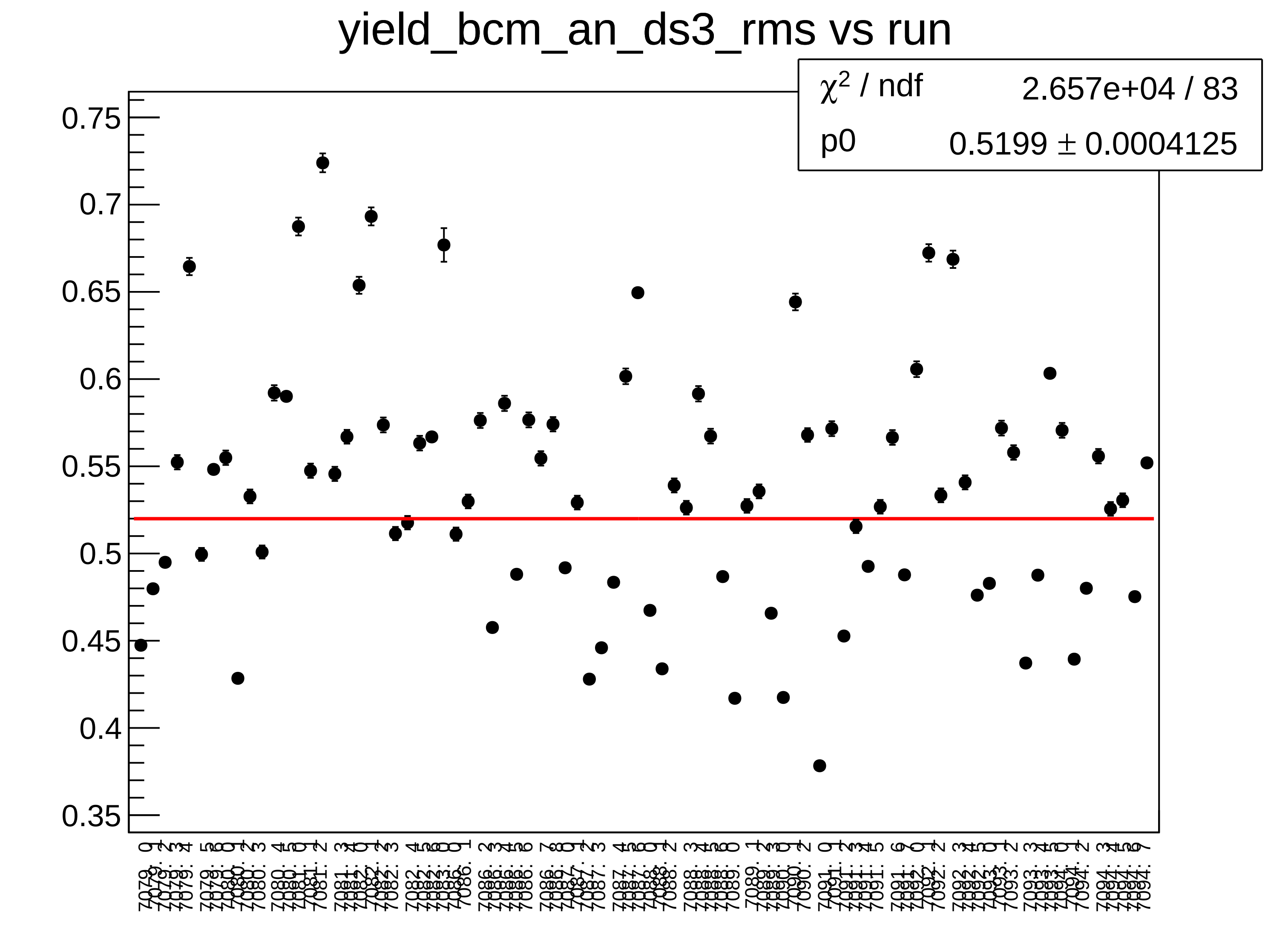
yield_bcm_an_ds_mean vs run
χ2 / ndf 4.762e+05 / 83
p0 148.3 ± 0.0005766
pull
Entries 84
Mean −332.4
Std Dev 376.6
pull1D
Entries 84
Mean −1.421
Std Dev 5.563



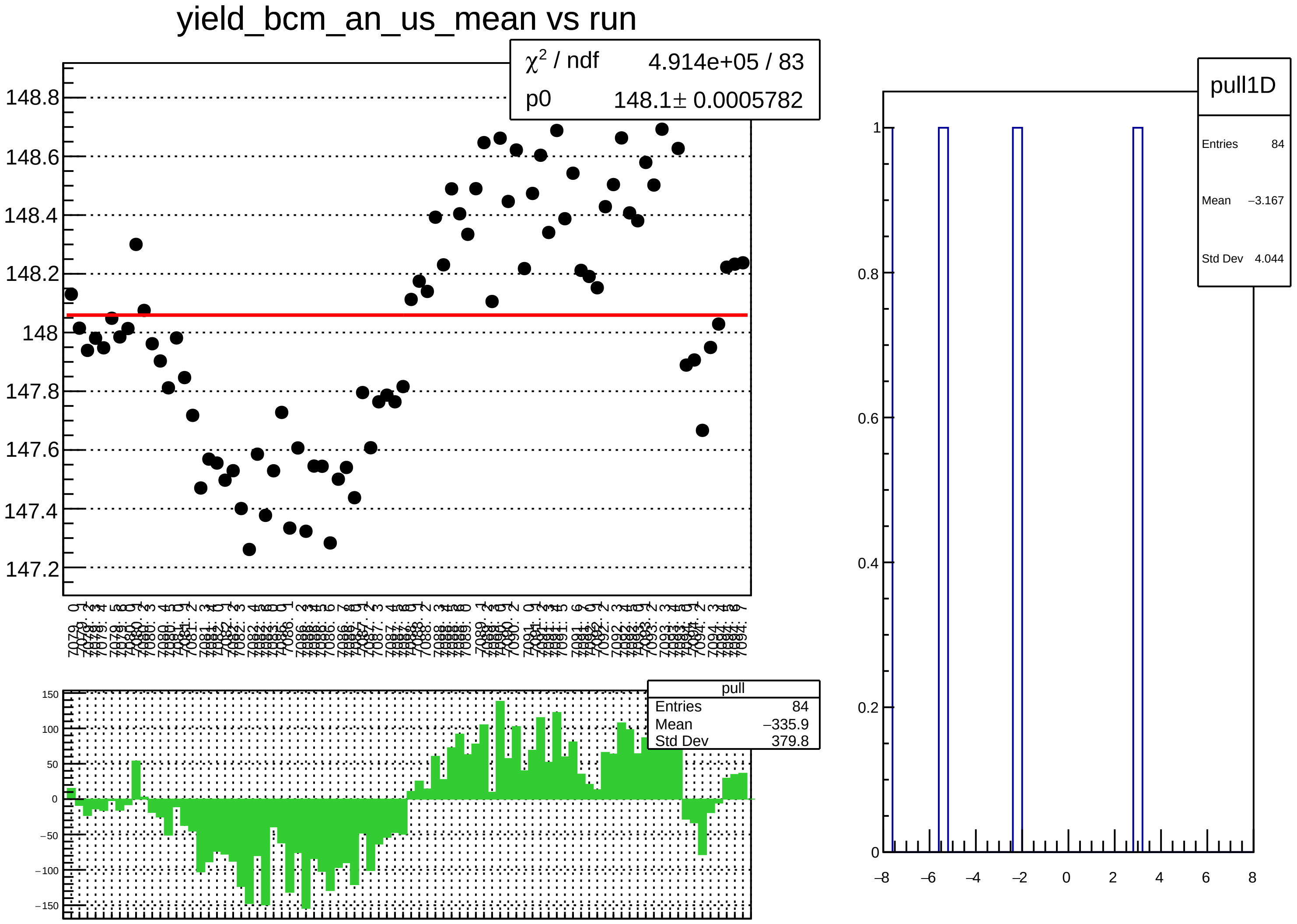
yield_bcm_an_ds_rms vs run
χ^2 / ndf 2.651e+04 / 83
p0 0.514 ± 0.0004077
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35

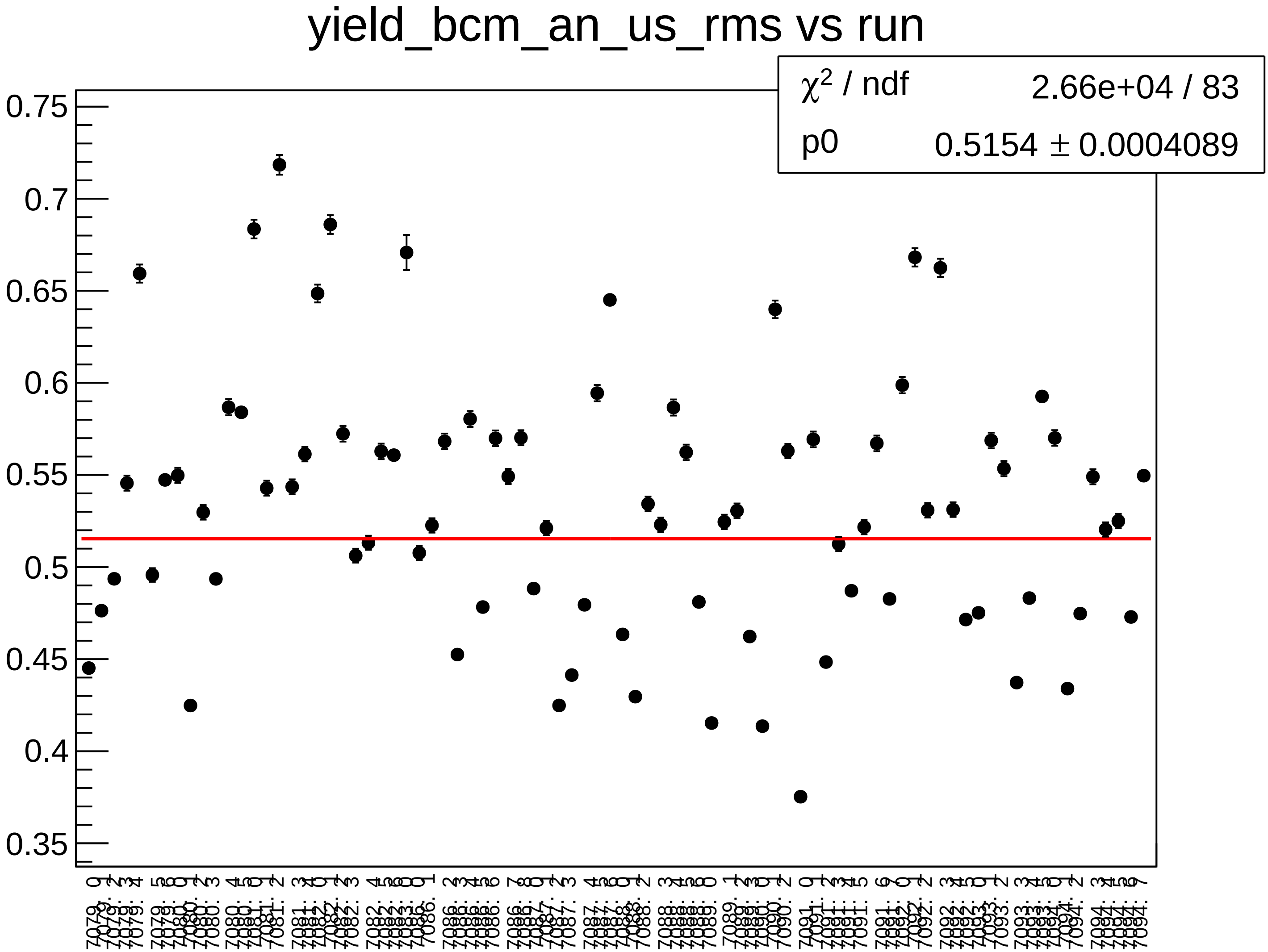


yield_bcm_an_ds3_mean vs run
χ2 / ndf 4.793e+05 / 83
p0 149 ± 0.0005833
pull
Entries 84
Mean −340.2
Std Dev 384.1
pull1D
Entries 84
Mean −1.758
Std Dev 4.81

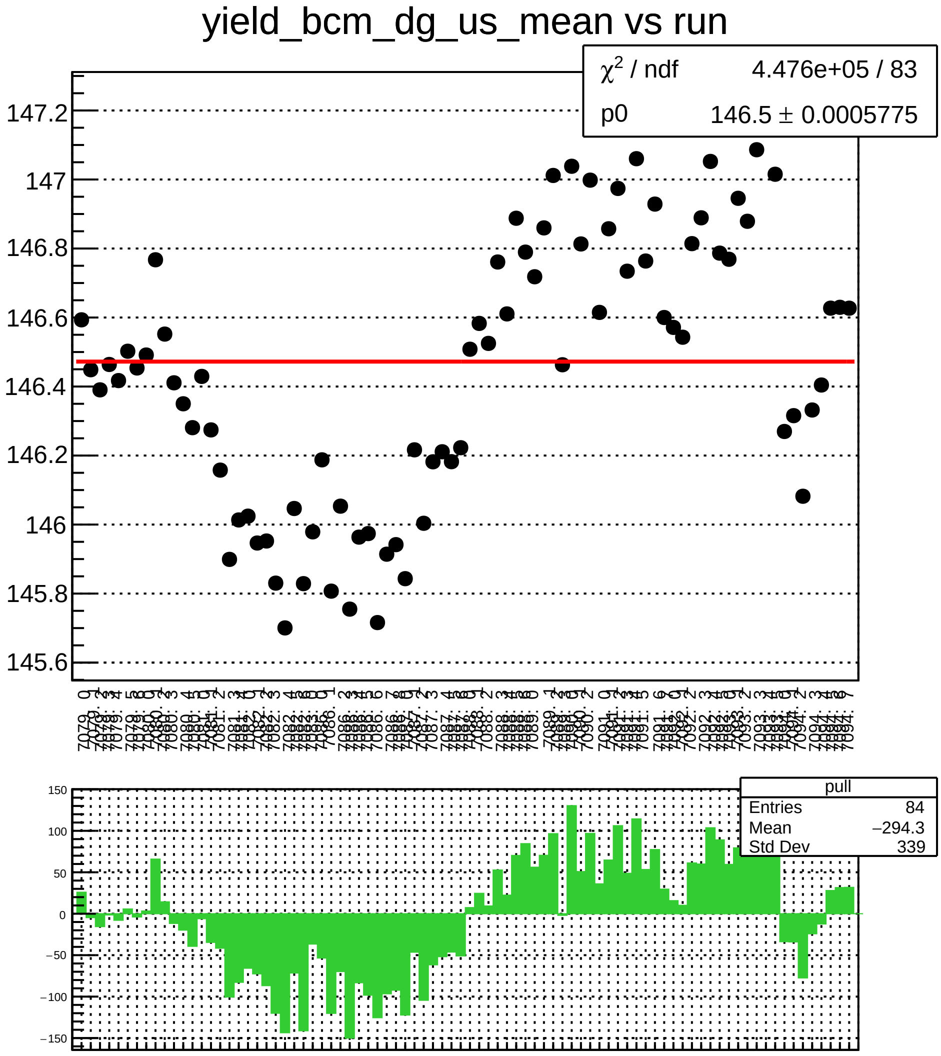


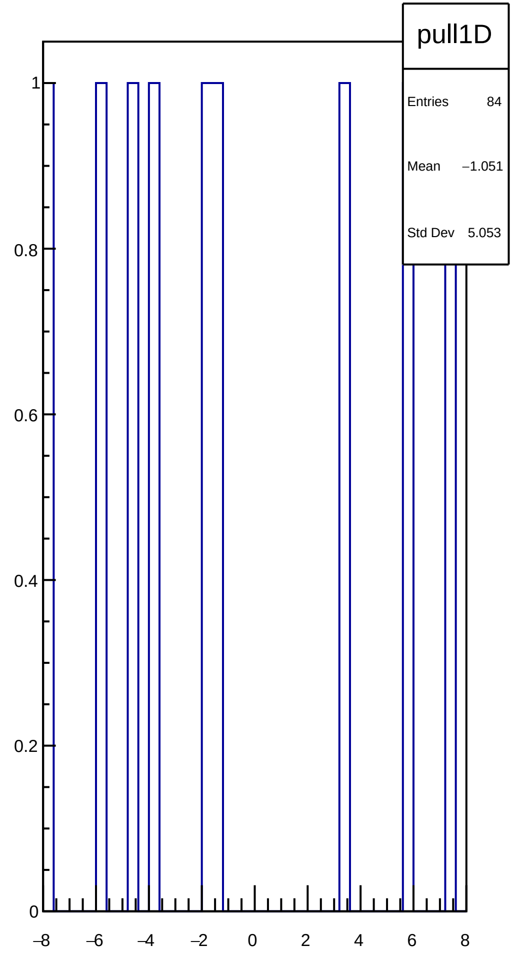
yield_bcm_an_ds3_rms vs run
χ² / ndf 2.657e+04 / 83
p0 0.5199 ± 0.0004125
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35

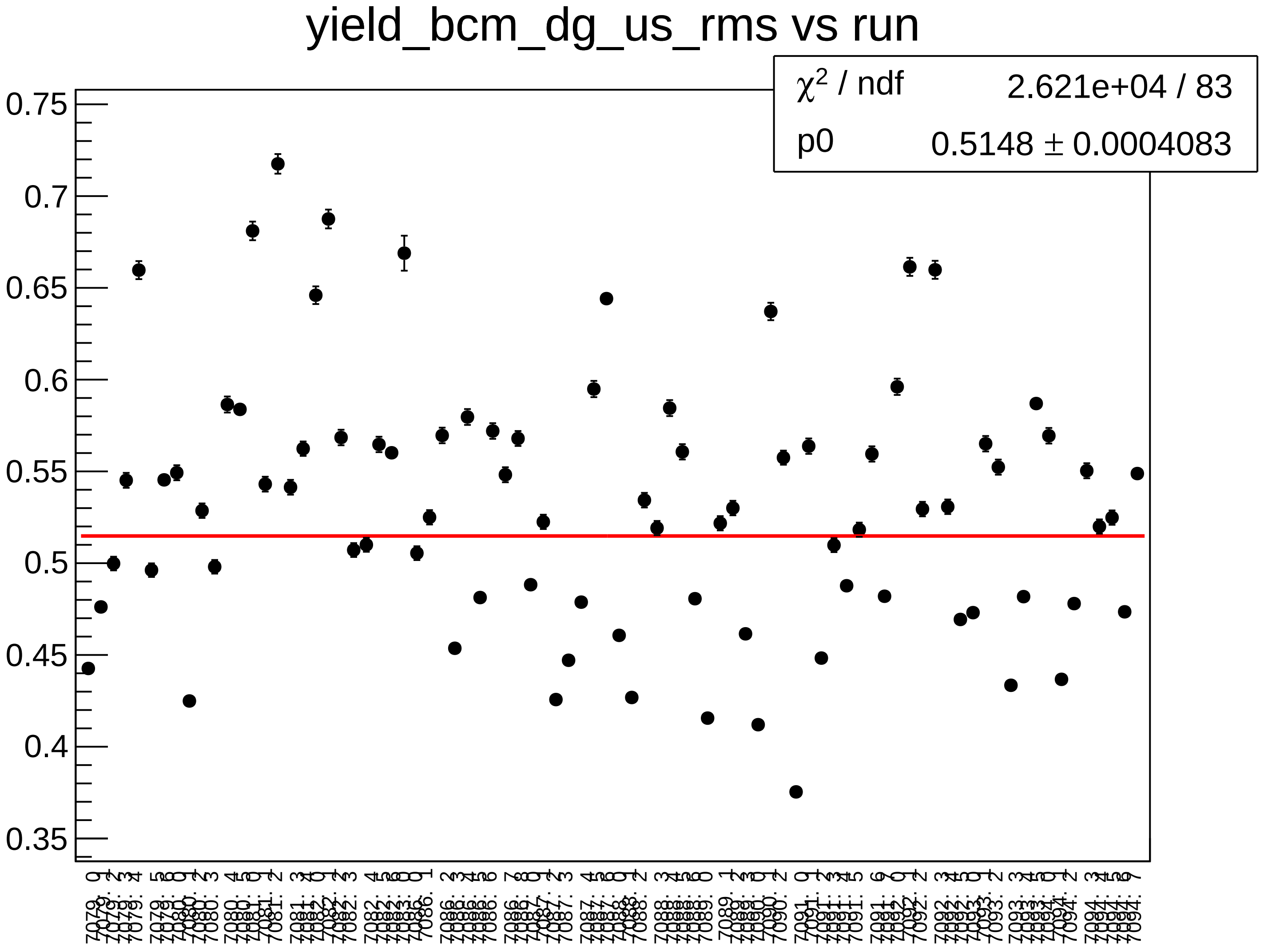

yield_bcm_an_us_mean vs run
χ^2 / ndf 4.914e+05 / 83
p0 148.1± 0.0005782
148.8
148.6
148.4
148.2
148
147.8
147.6
147.4
147.2
pull
Entries 84
Mean −335.9
Std Dev 379.8
150
100
50
0
−50
−100
−150
pull1D
Entries 84
Mean −3.167
Std Dev 4.044
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

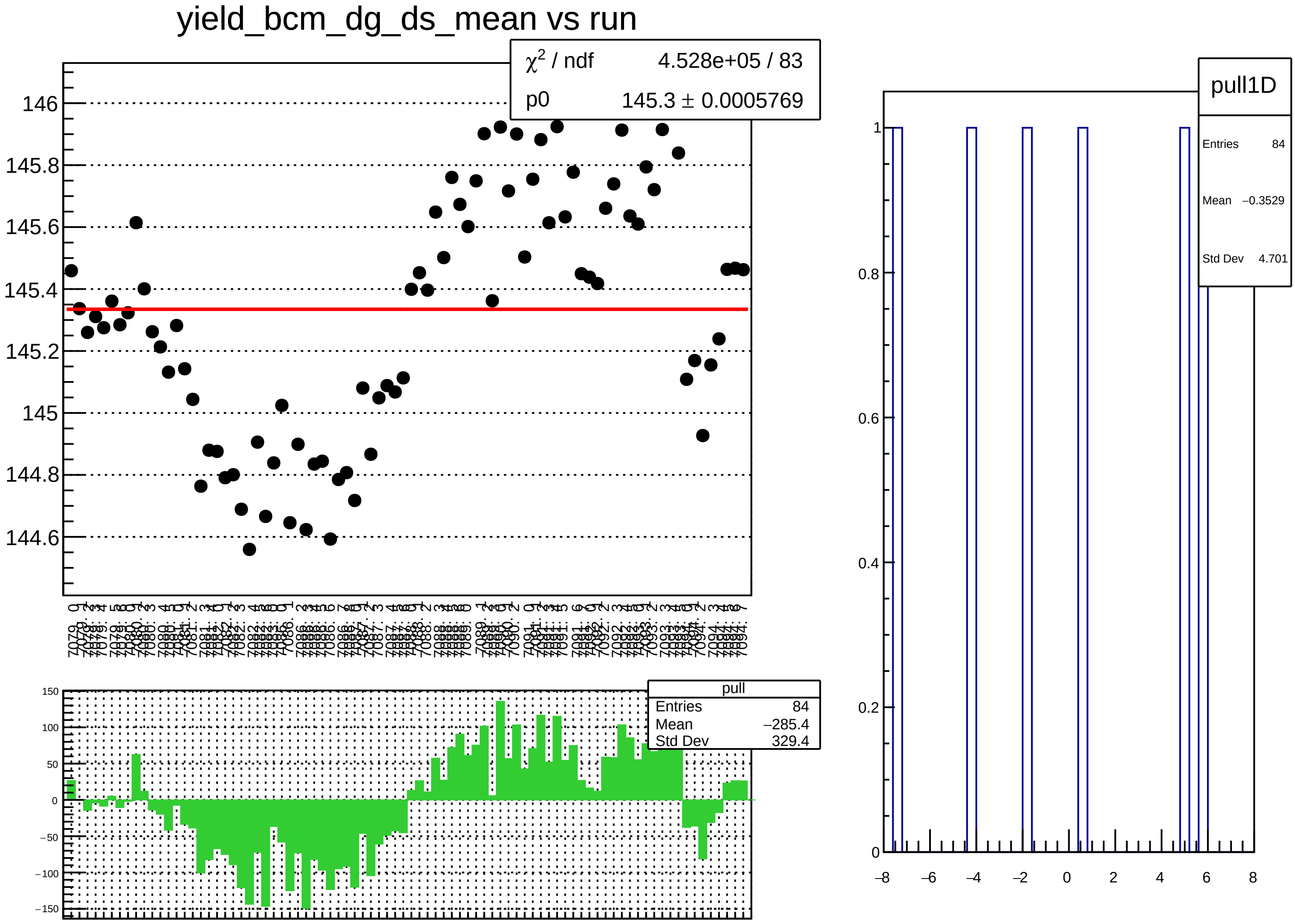


yield_bcm_an_us_rms vs run
χ^2 / ndf 2.66e+04 / 83
p0 0.5154 ± 0.0004089
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35

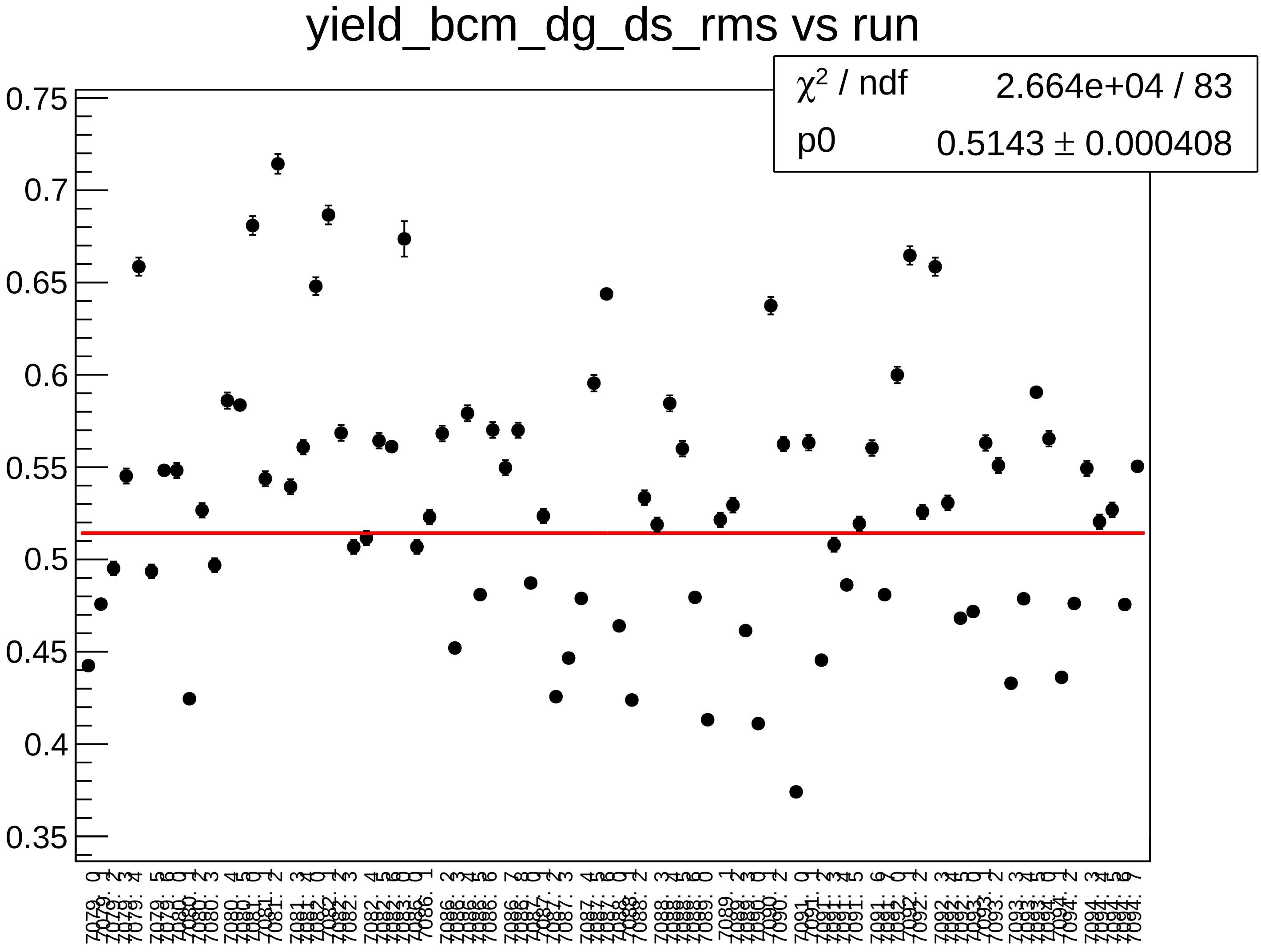

yield_bcm_dg_us_mean vs run
χ2 / ndf 4.476e+05 / 83
p0 146.5 ± 0.0005775
pull
Entries 84
Mean −294.3
Std Dev 339


pull1D
Entries 84
Mean −1.051
Std Dev 5.053

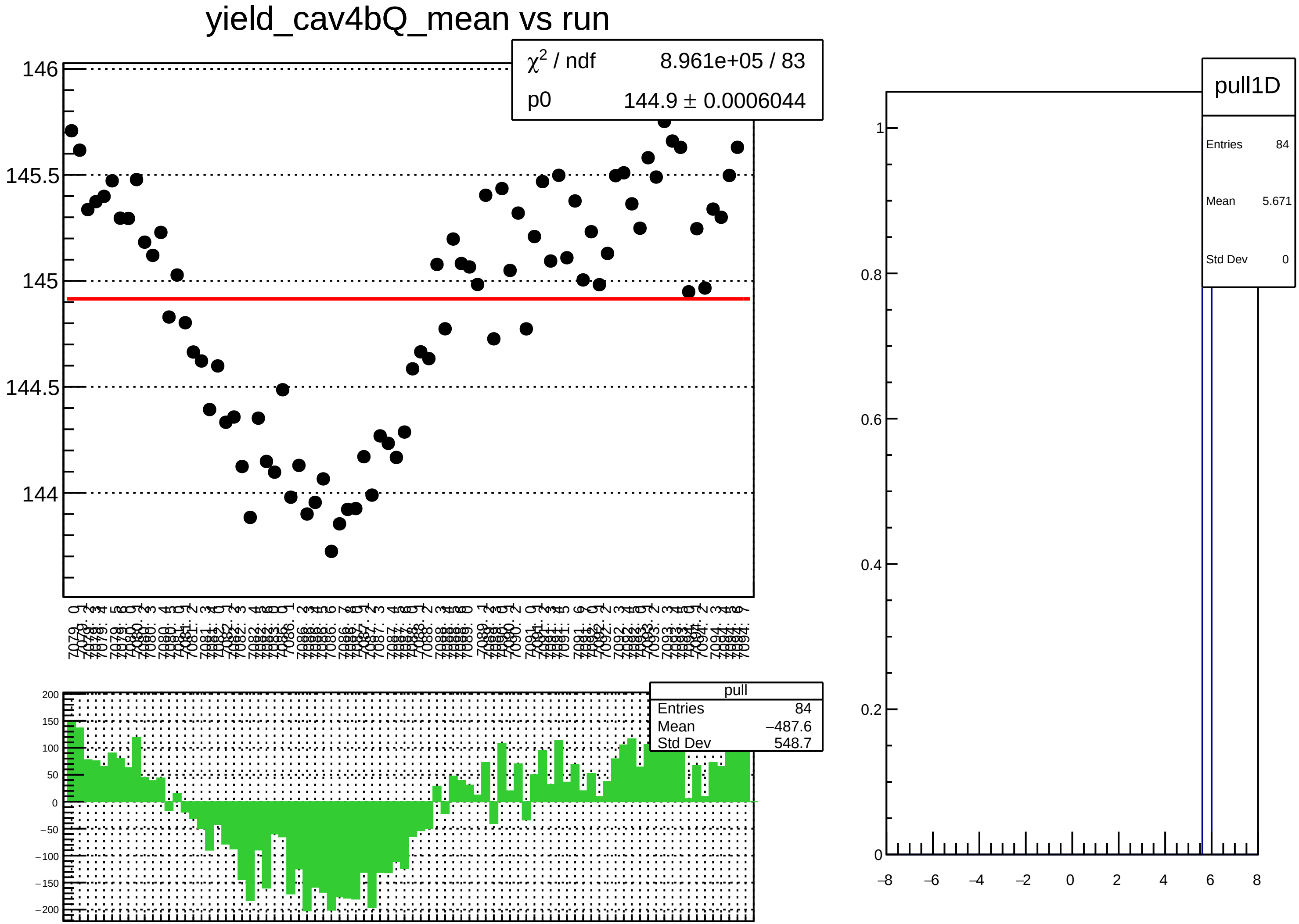

yield_bcm_dg_us_rms vs run
χ2 / ndf 2.621e+04 / 83
p0 0.5148 ± 0.0004083
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35



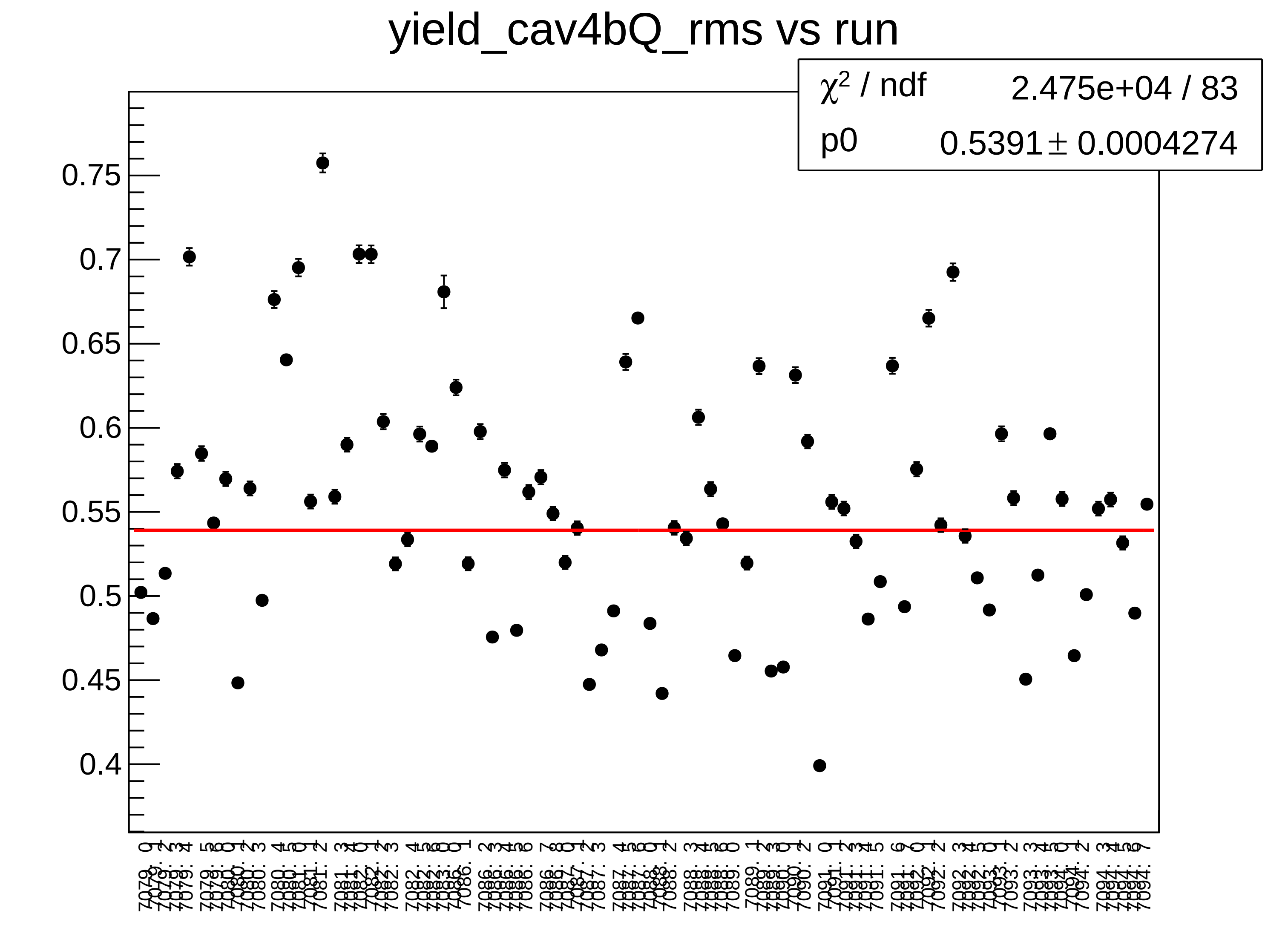
yield_bcm_dg_ds_mean vs run
χ^2 / ndf 4.528e+05 / 83
p0 145.3 ± 0.0005769
pull
Entries 84
Mean −285.4
Std Dev 329.4
pull1D
Entries 84
Mean −0.3529
Std Dev 4.701



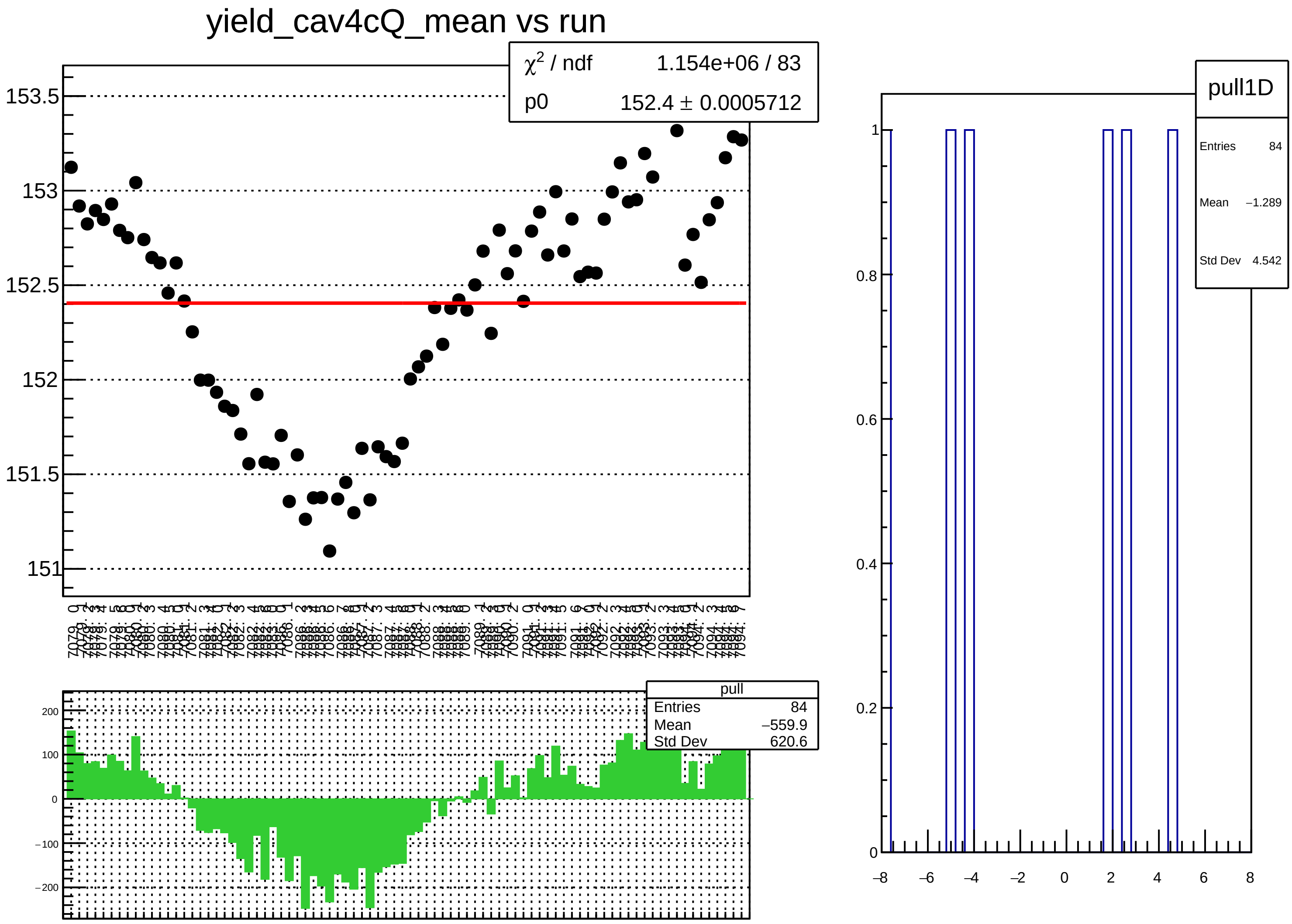
yield_bcm_dg_ds_rms vs run
χ^2 / ndf 2.664e+04 / 83
p0 0.5143 ± 0.000408
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35



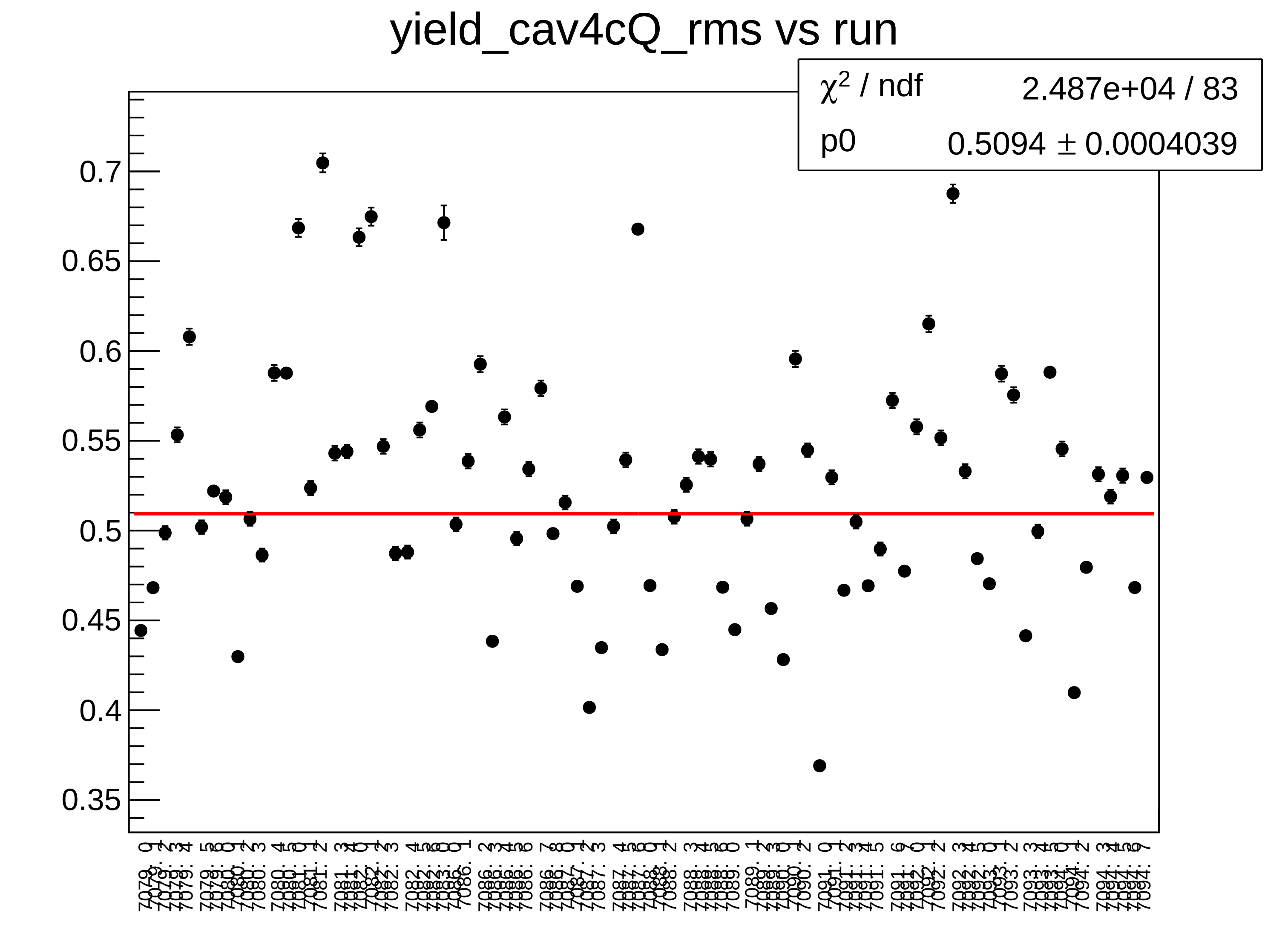
yield_cav4bQ_mean vs run
χ^2 / ndf 8.961e+05 / 83
p0 144.9 ± 0.0006044
pull
Entries 84
Mean −487.6
Std Dev 548.7
pull1D
Entries 84
Mean 5.671
Std Dev 0

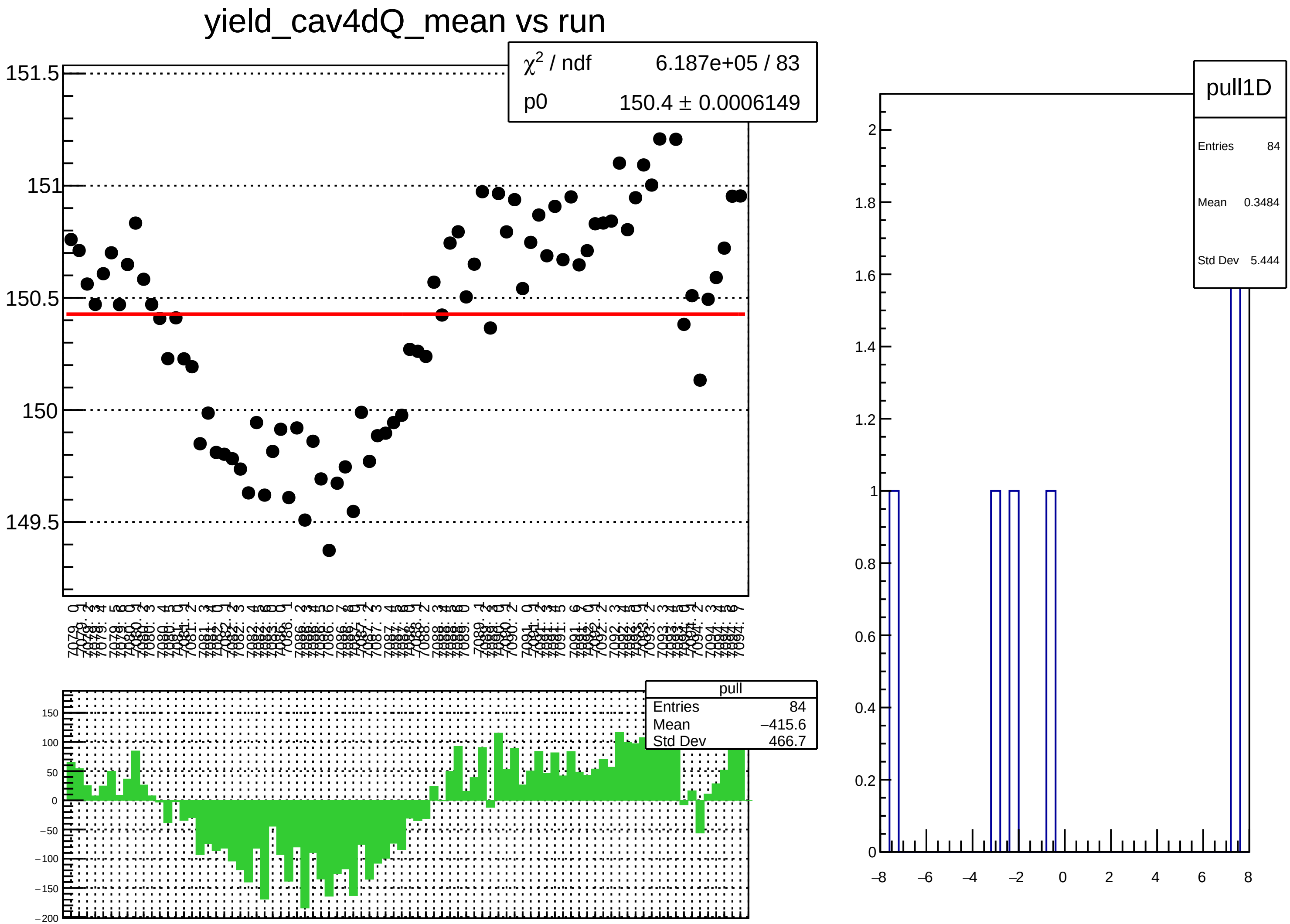


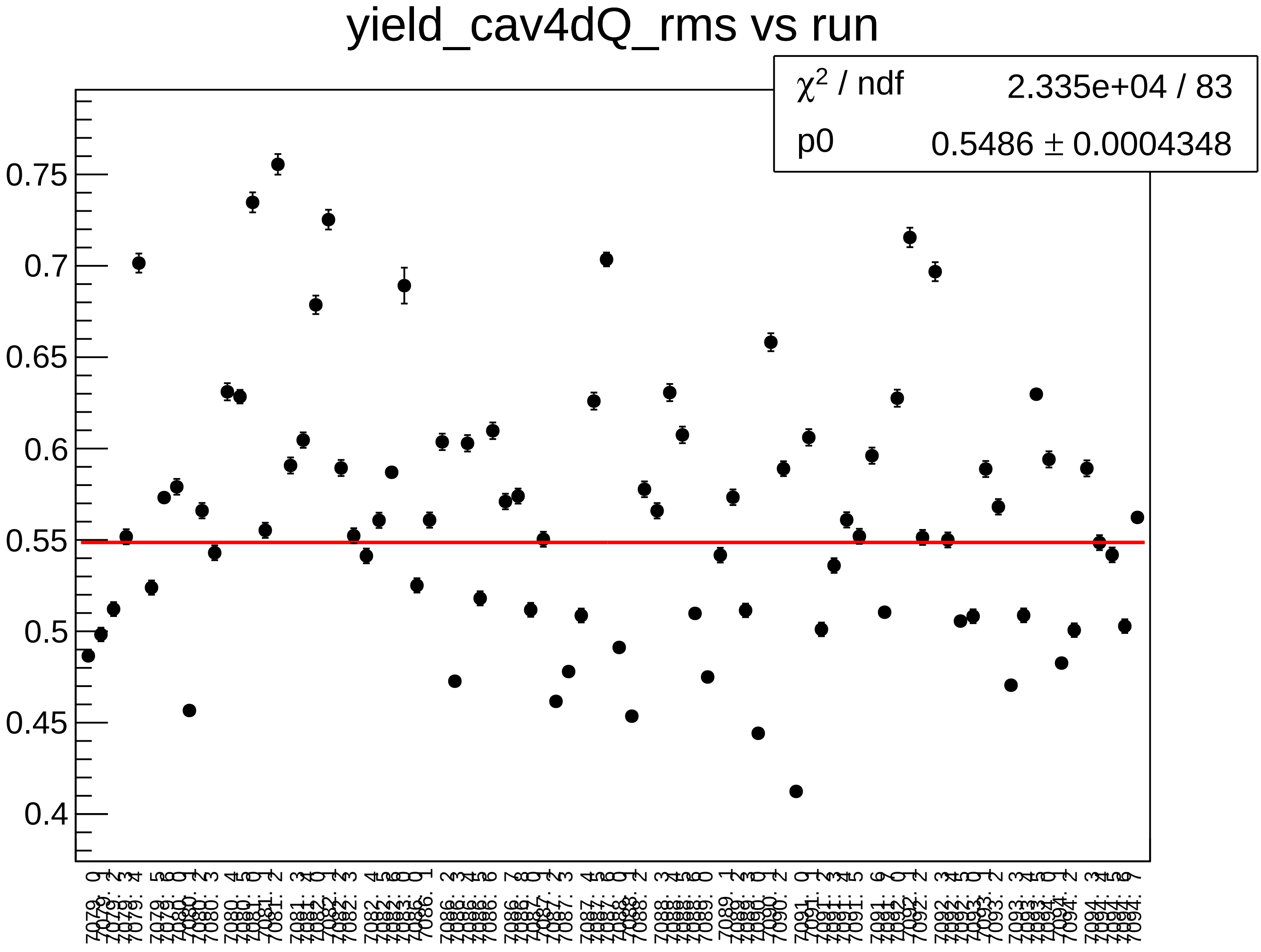
yield_cav4bQ_rms vs run
χ^2 / ndf 2.475e+04 / 83
p0 0.5391 ± 0.0004274
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

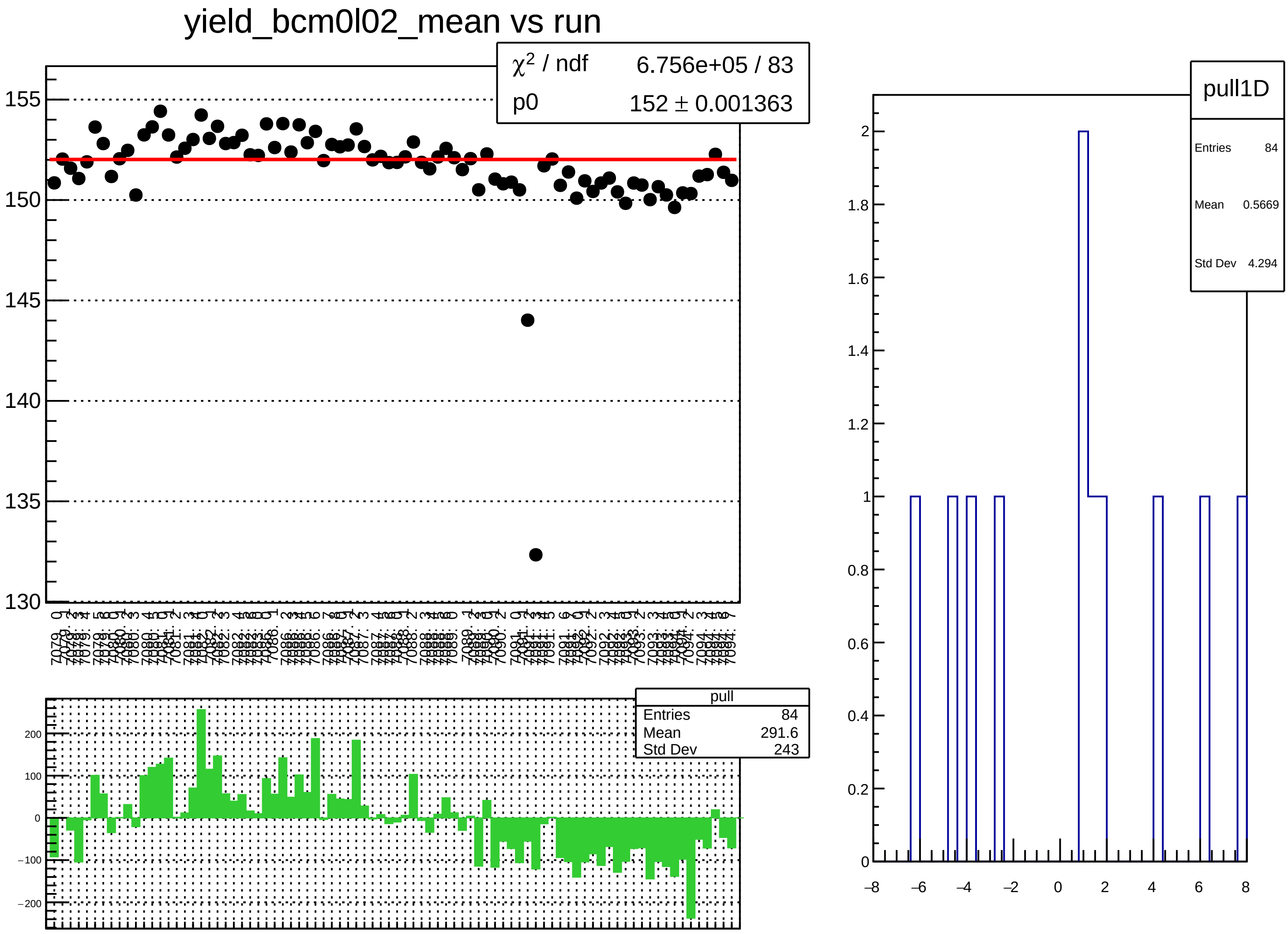


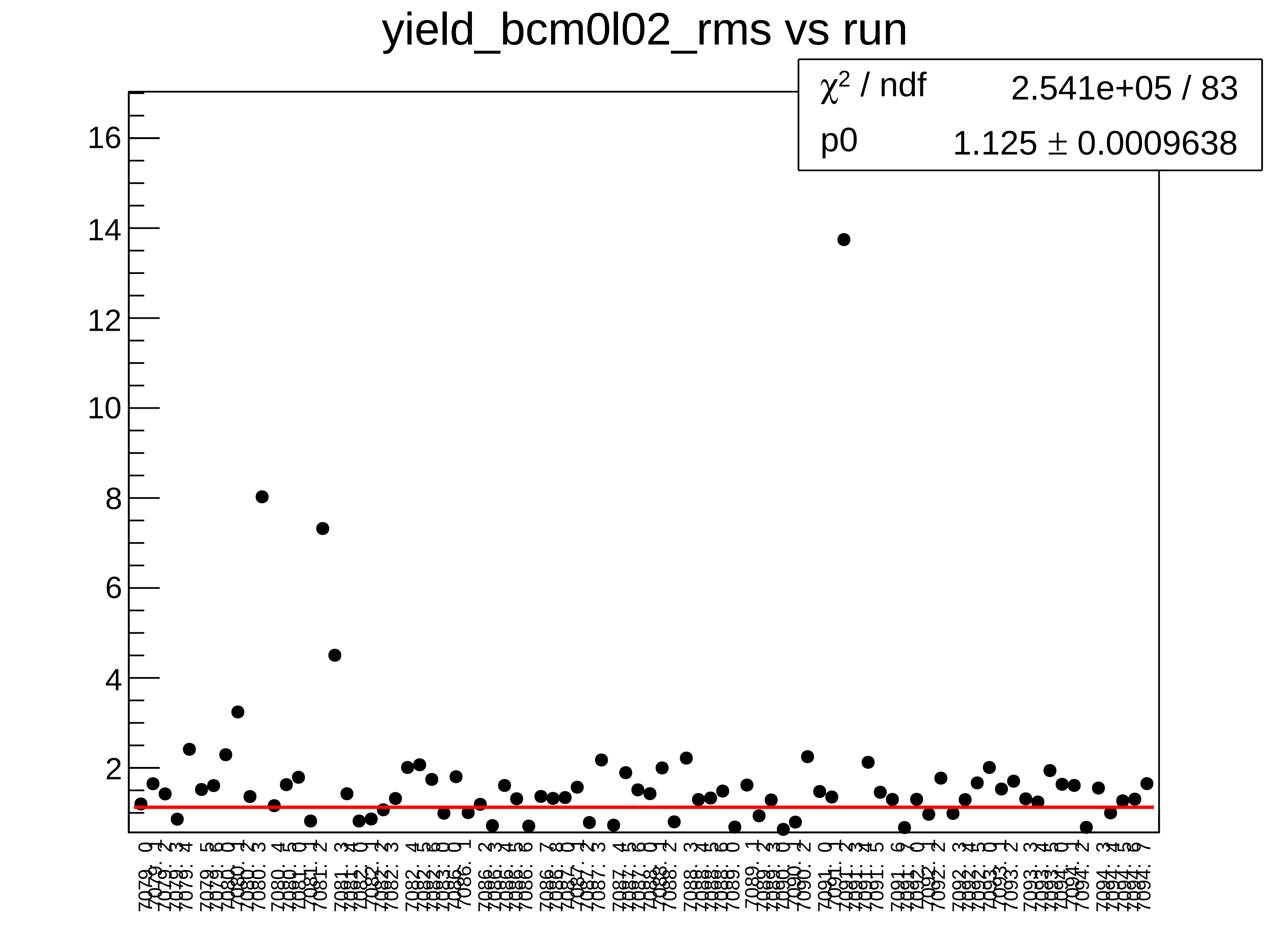
yield_cav4cQ_mean vs run
χ2 / ndf 1.154e+06 / 83
p0 152.4 ± 0.0005712
pull
Entries 84
Mean −559.9
Std Dev 620.6
pull1D
Entries 84
Mean −1.289
Std Dev 4.542


yield_cav4cQ_rms vs run
χ² / ndf 2.487e+04 / 83
p0 0.5094 ± 0.0004039
0.35
0.4
0.45
0.5
0.55
0.6
0.65
0.7

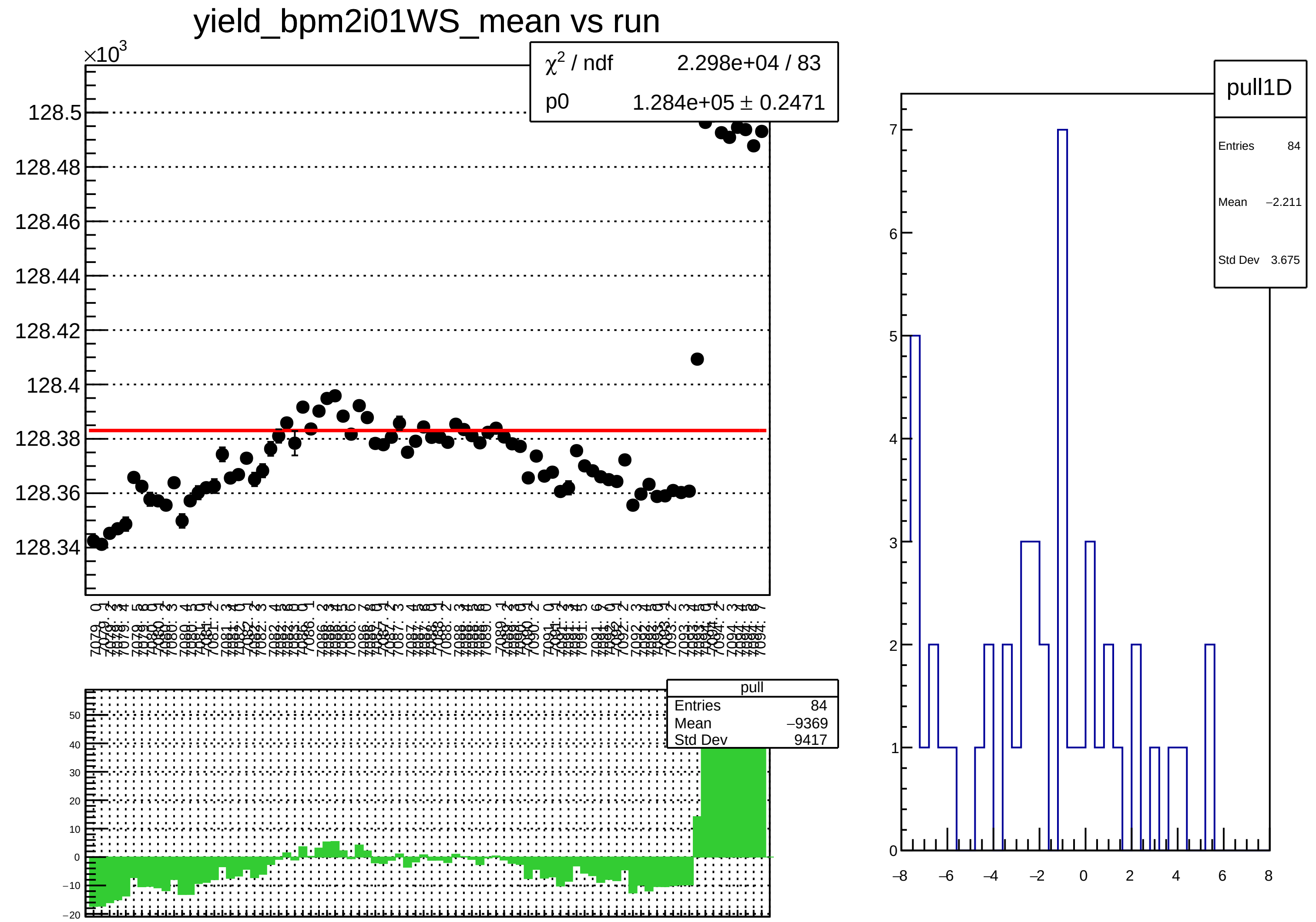

yield_cav4dQ_mean vs run
χ2 / ndf 6.187e+05 / 83
p0 150.4 ± 0.0006149
151.5
151
150.5
150
149.5
pull
Entries 84
Mean −415.6
Std Dev 466.7
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 84
Mean 0.3484
Std Dev 5.444
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_cav4dQ_rms vs run
χ^2 / ndf 2.335e+04 / 83
p0 0.5486 ± 0.0004348
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

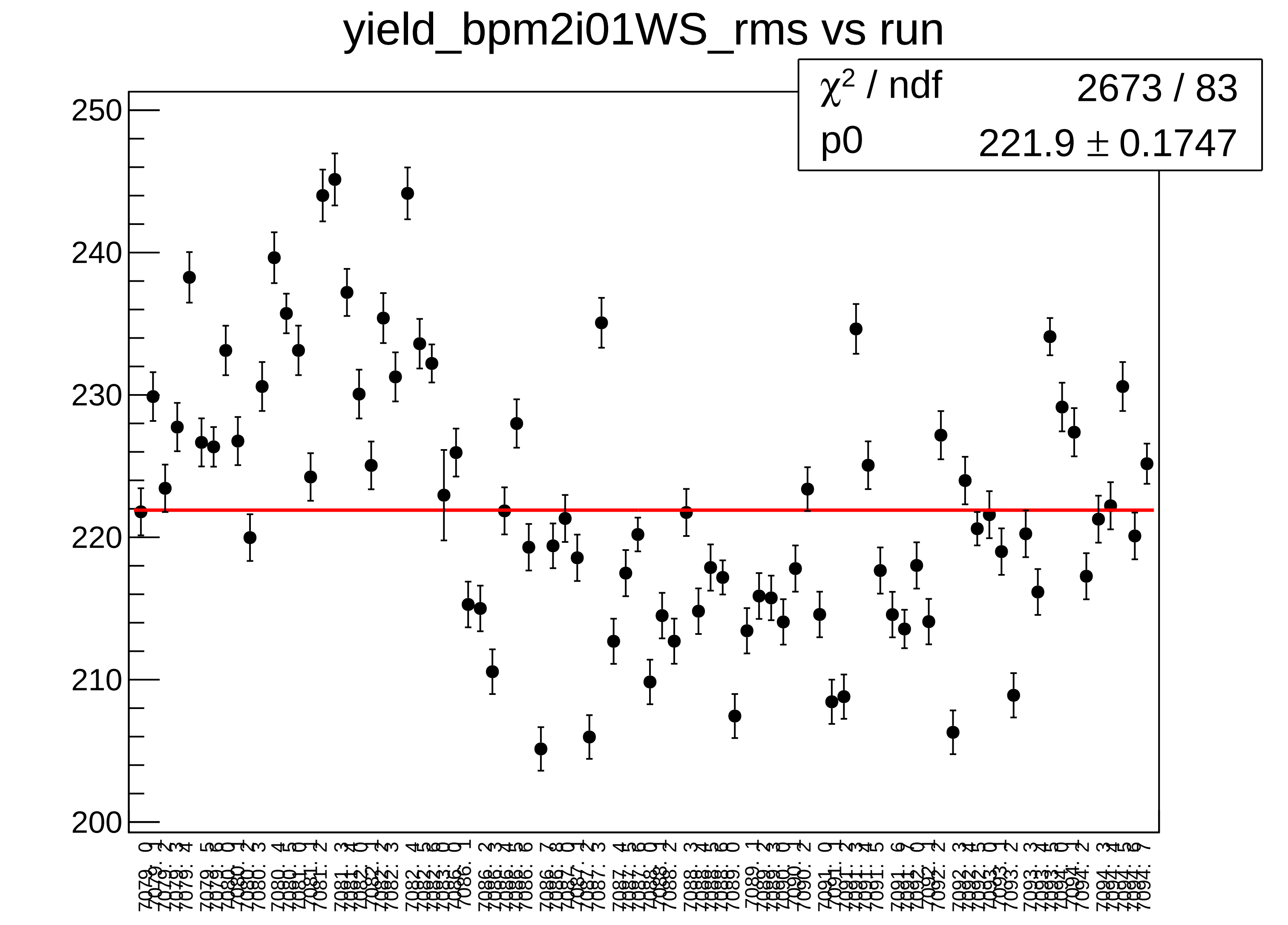

yield_bcm0l02_mean vs run
χ2 / ndf 6.756e+05 / 83
p0 152 ± 0.001363
155
150
145
140
135
130
pull
Entries 84
Mean 291.6
Std Dev 243
200
100
0
−100
−200
pull1D
Entries 84
Mean 0.5669
Std Dev 4.294
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

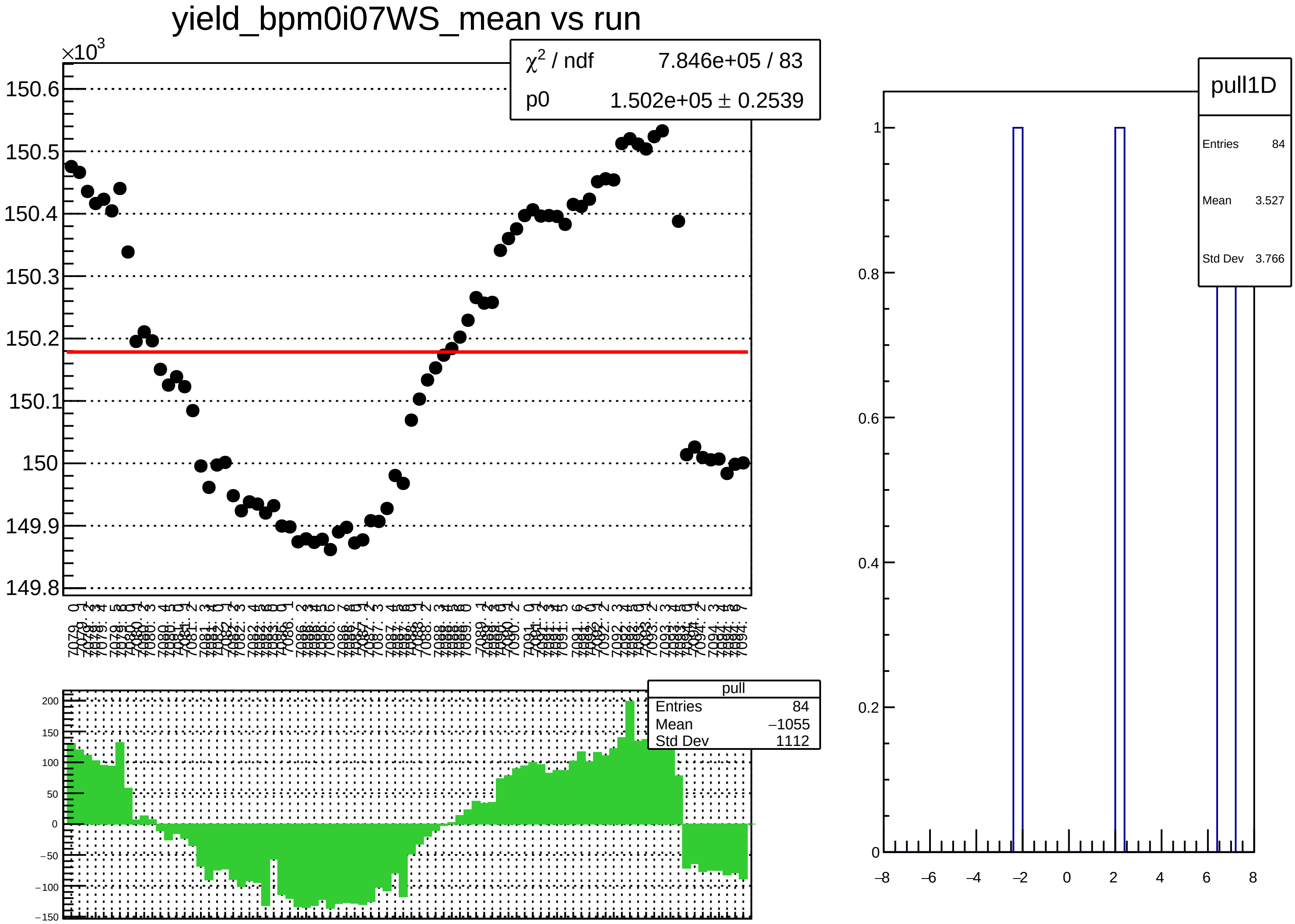


yield_bcm0l02_rms vs run
χ^2 / ndf 2.541e+05 / 83
p0 1.125 ± 0.0009638
16
14
12
10
8
6
4
2

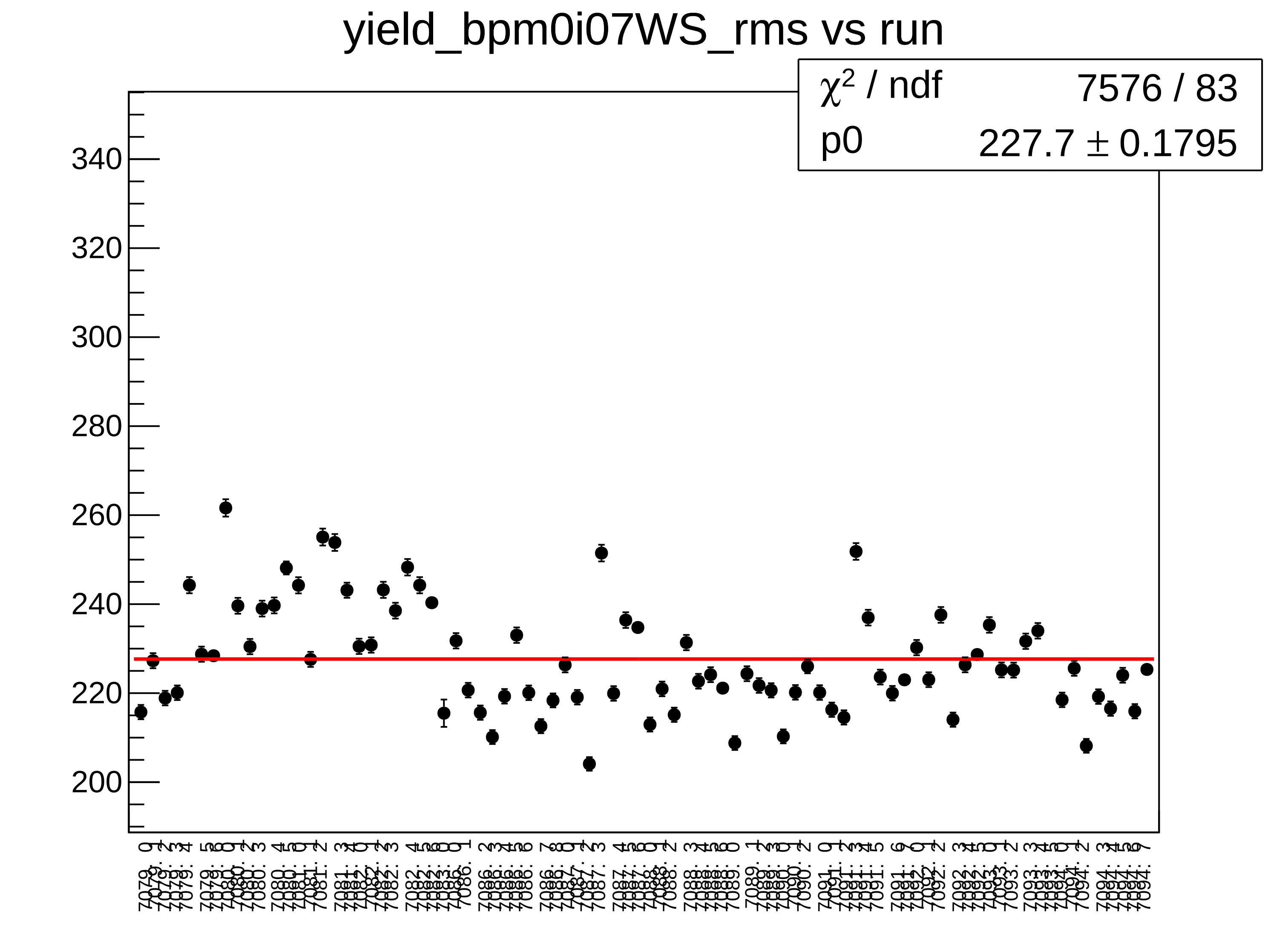


yield_bpm2i01WS_mean vs run
×10^3
χ2 / ndf 2.298e+04 / 83
p0 1.284e+05 ± 0.2471
128.5
128.48
128.46
128.44
128.42
128.4
128.38
128.36
128.34
pull
Entries 84
Mean −9369
Std Dev 9417
pull1D
Entries 84
Mean −2.211
Std Dev 3.675

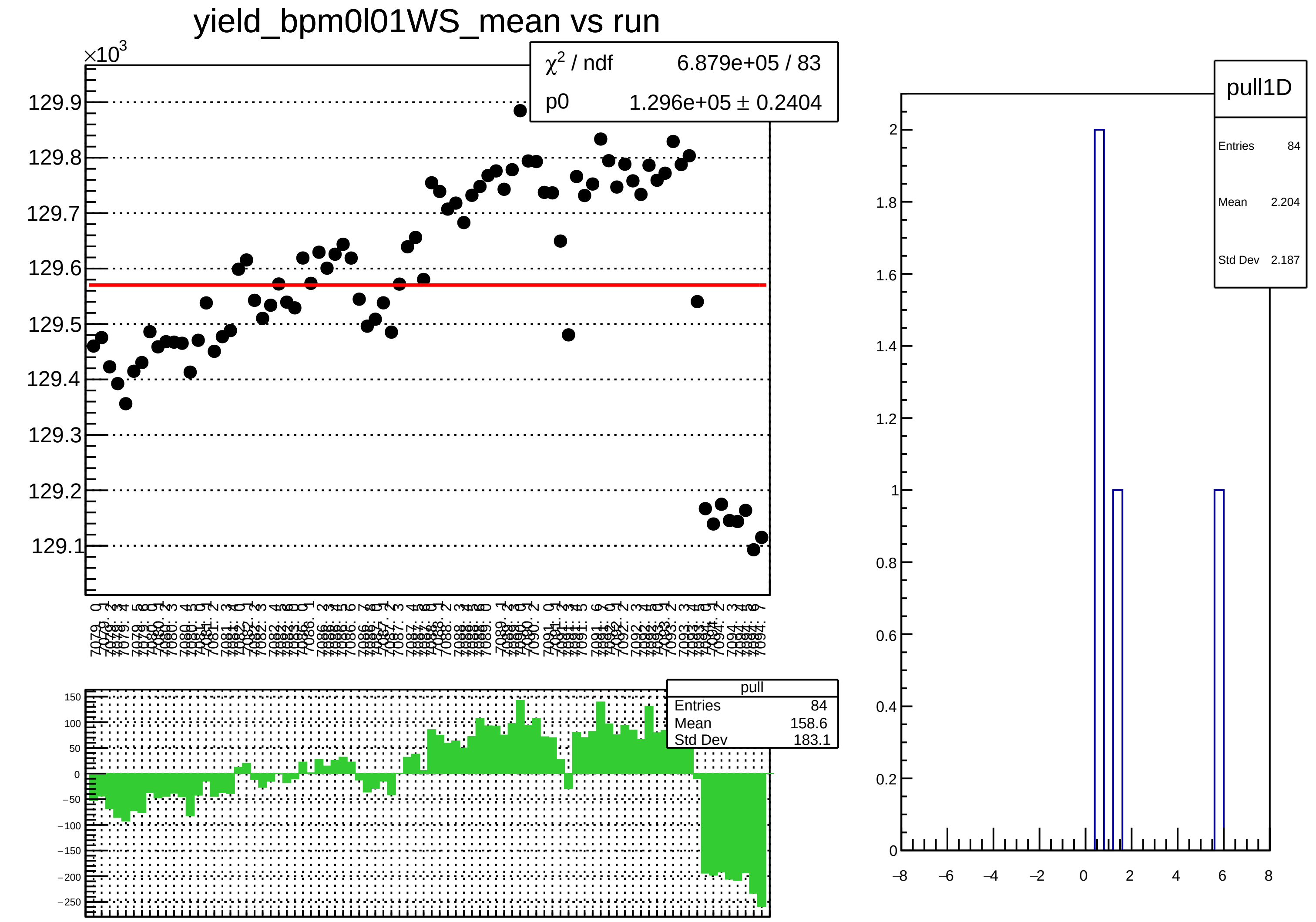

yield_bpm2i01WS_rms vs run
χ^2 / ndf 2673 / 83
p0 221.9 ± 0.1747
250
240
230
220
210
200

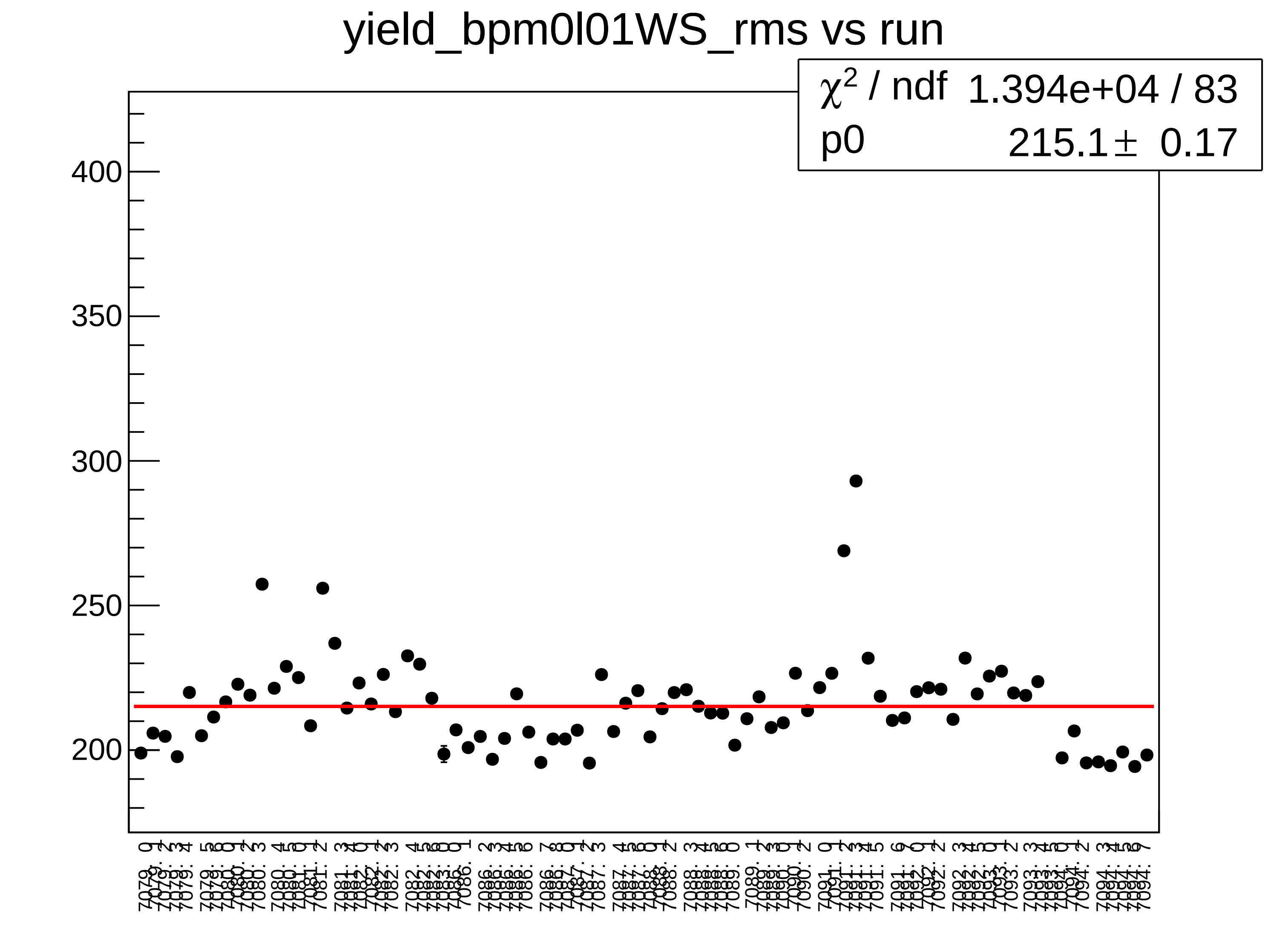


yield_bpm0i07WS_mean vs run
$\times10^3$
χ^2 / ndf 7.846e+05 / 83
p0 1.502e+05 ± 0.2539
150.6
150.5
150.4
150.3
150.2
150.1
150
149.9
149.8
pull
Entries 84
Mean −1055
Std Dev 1112
200
150
100
50
0
−50
−100
−150
pull1D
Entries 84
Mean 3.527
Std Dev 3.766
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

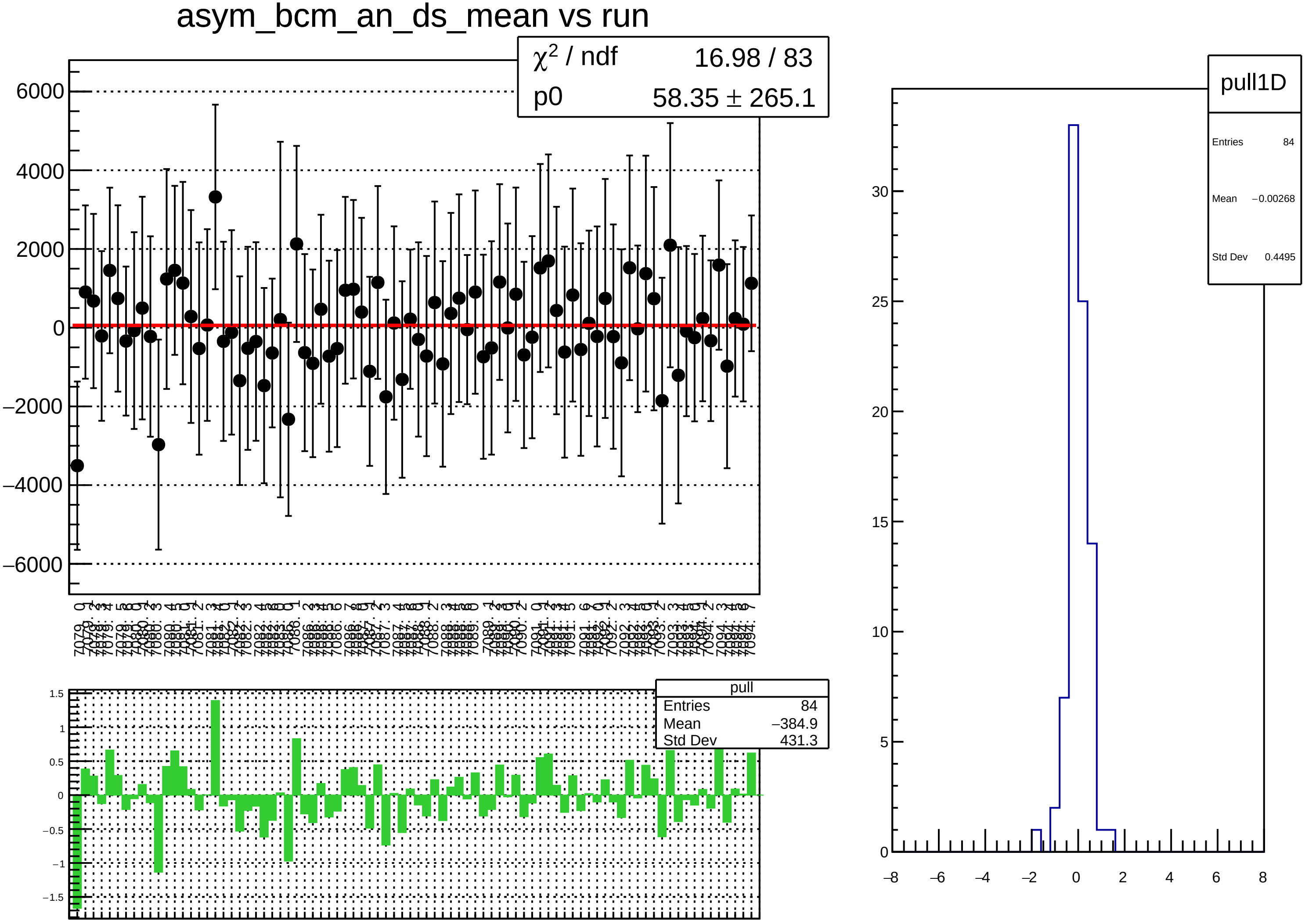


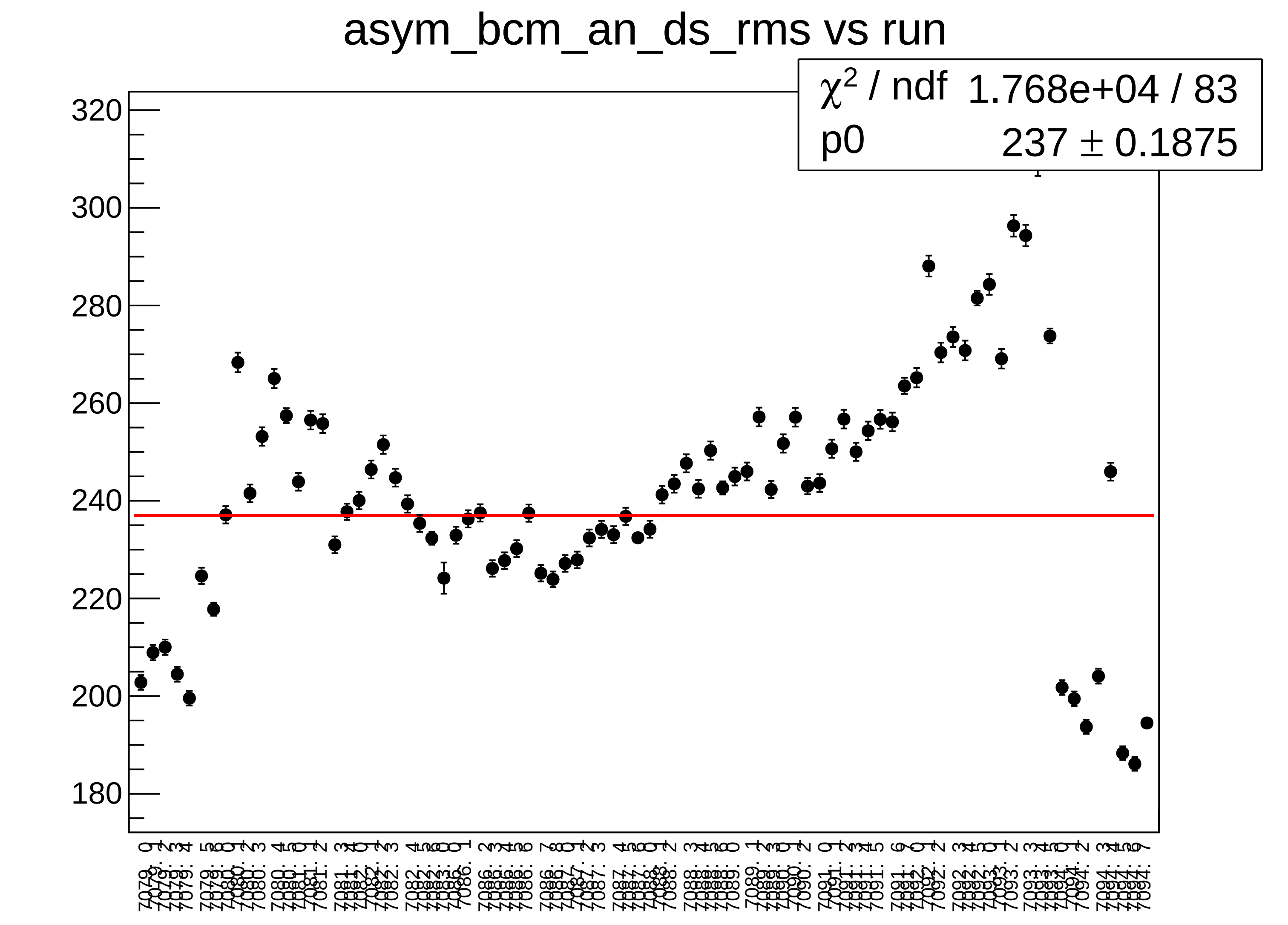
yield_bpm0i07WS_rms vs run
χ^2 / ndf 7576 / 83
p0 227.7 ± 0.1795
340
320
300
280
260
240
220
200

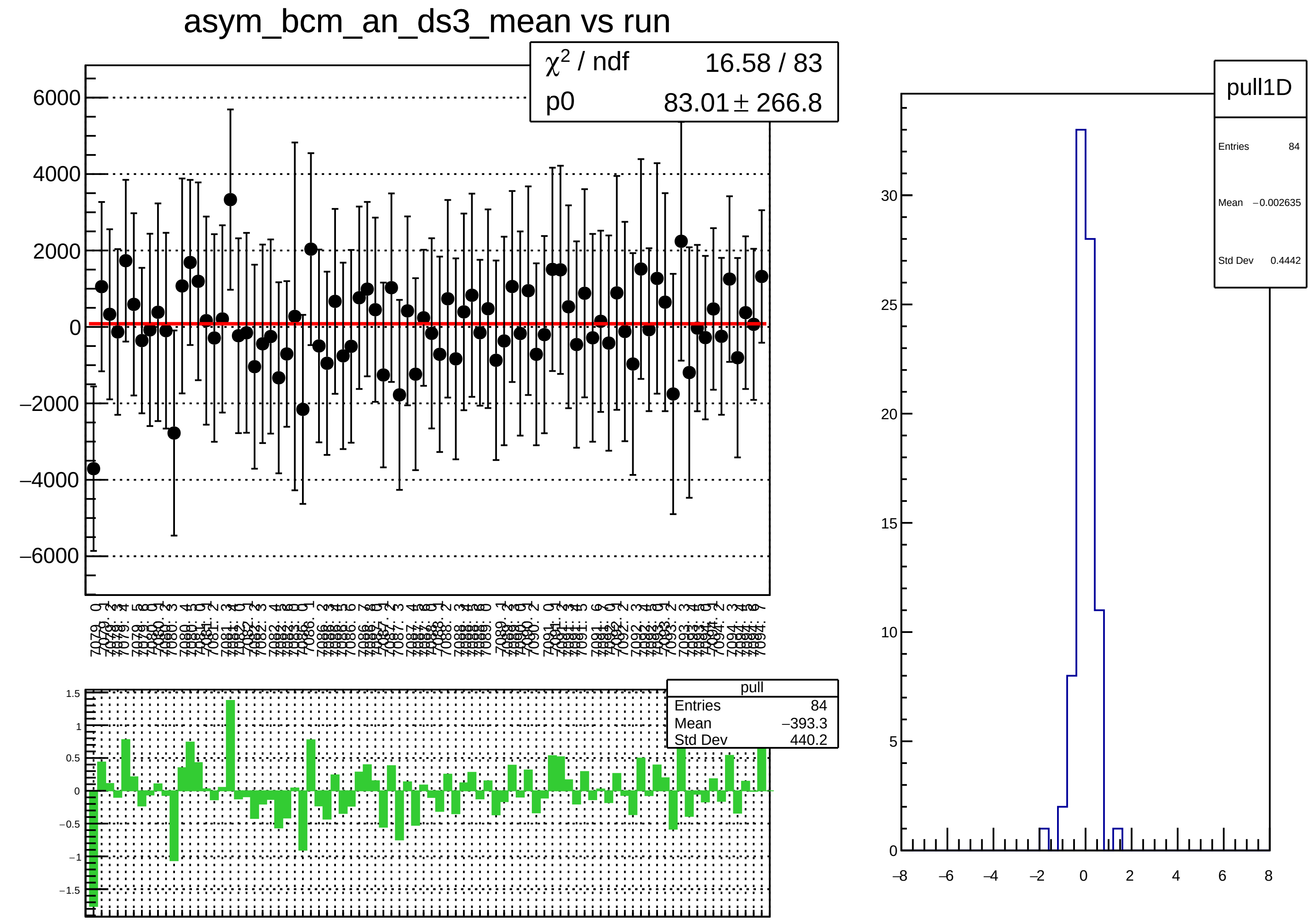

yield_bpm0l01WS_mean vs run
$\times10^{3}$
χ^2 / ndf 6.879e+05 / 83
p0 1.296e+05 ± 0.2404
129.9
129.8
129.7
129.6
129.5
129.4
129.3
129.2
129.1
pull
Entries 84
Mean 158.6
Std Dev 183.1
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 84
Mean 2.204
Std Dev 2.187
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



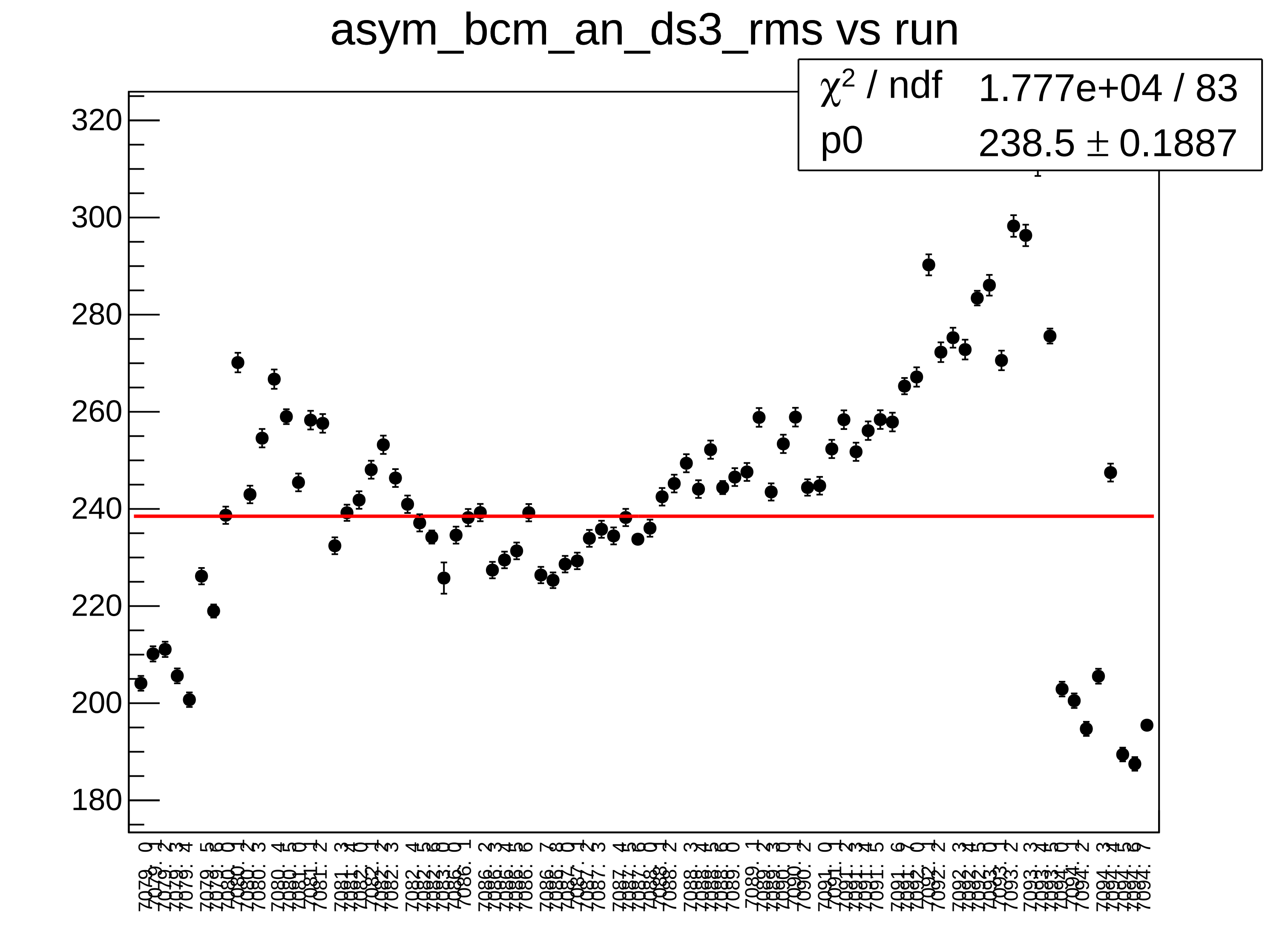
yield_bpm0l01WS_rms vs run
χ^2 / ndf 1.394e+04 / 83
p0 215.1 ± 0.17
400
350
300
250
200


asym_bcm_an_ds_mean vs run
χ2 / ndf 16.98 / 83
p0 58.35 ± 265.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −384.9
Std Dev 431.3
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.00268
Std Dev 0.4495
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

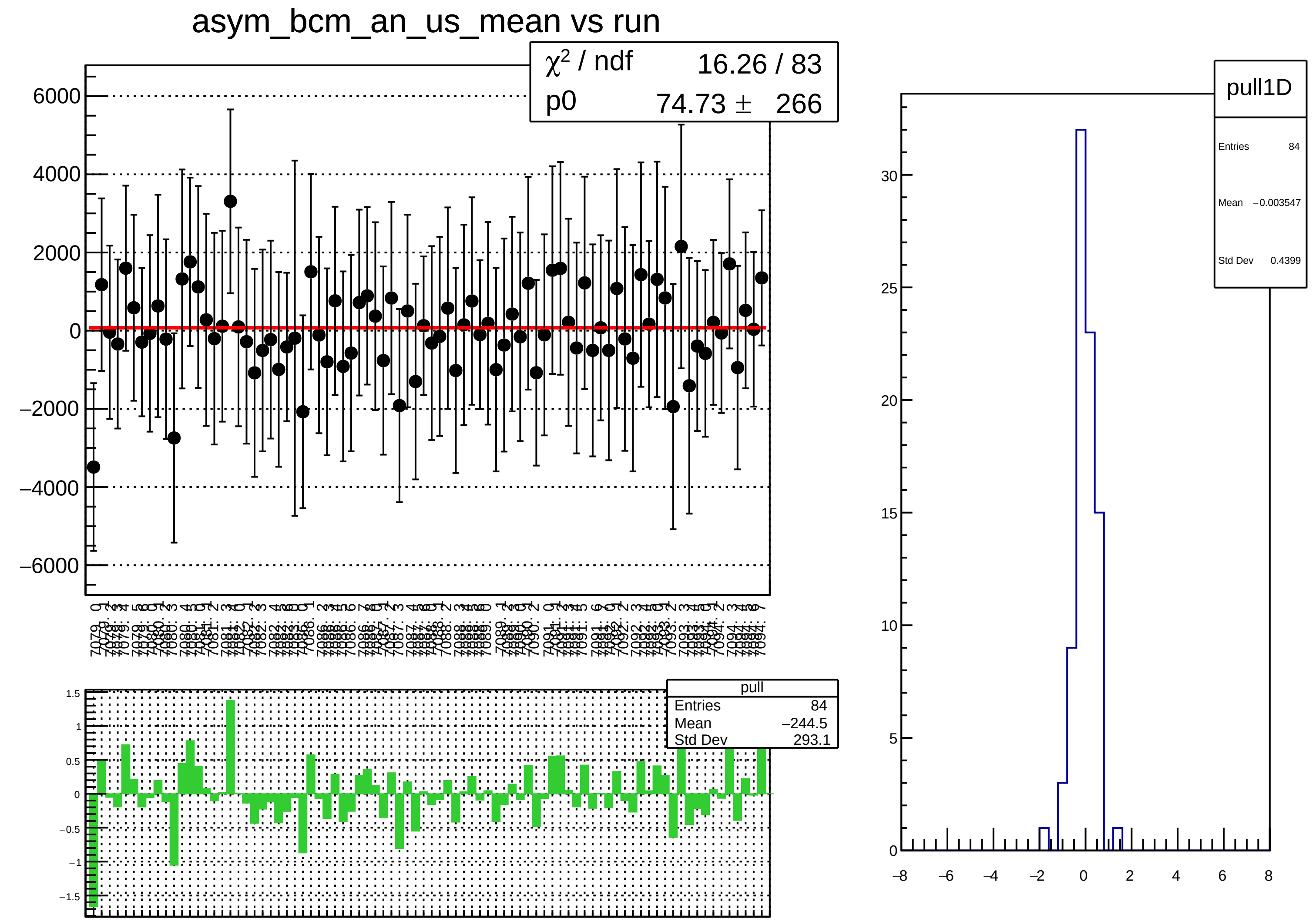

asym_bcm_an_ds_rms vs run
χ^2 / ndf 1.768e+04 / 83
p0 237 ± 0.1875
320
300
280
260
240
220
200
180



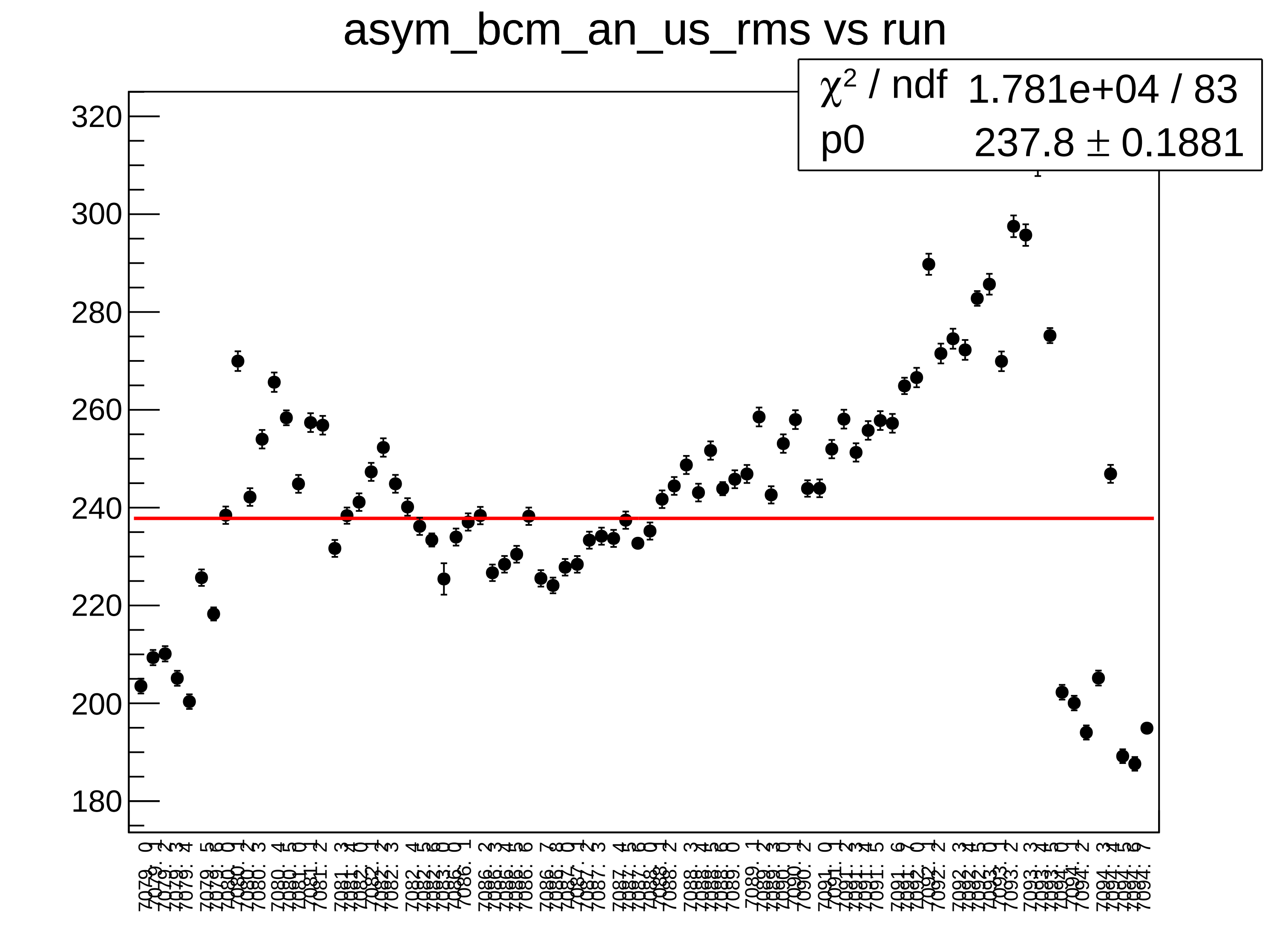
asym_bcm_an_ds3_mean vs run
χ^2 / ndf 16.58 / 83
p0 83.01 ± 266.8
pull
Entries 84
Mean −393.3
Std Dev 440.2
pull1D
Entries 84
Mean −0.002635
Std Dev 0.4442



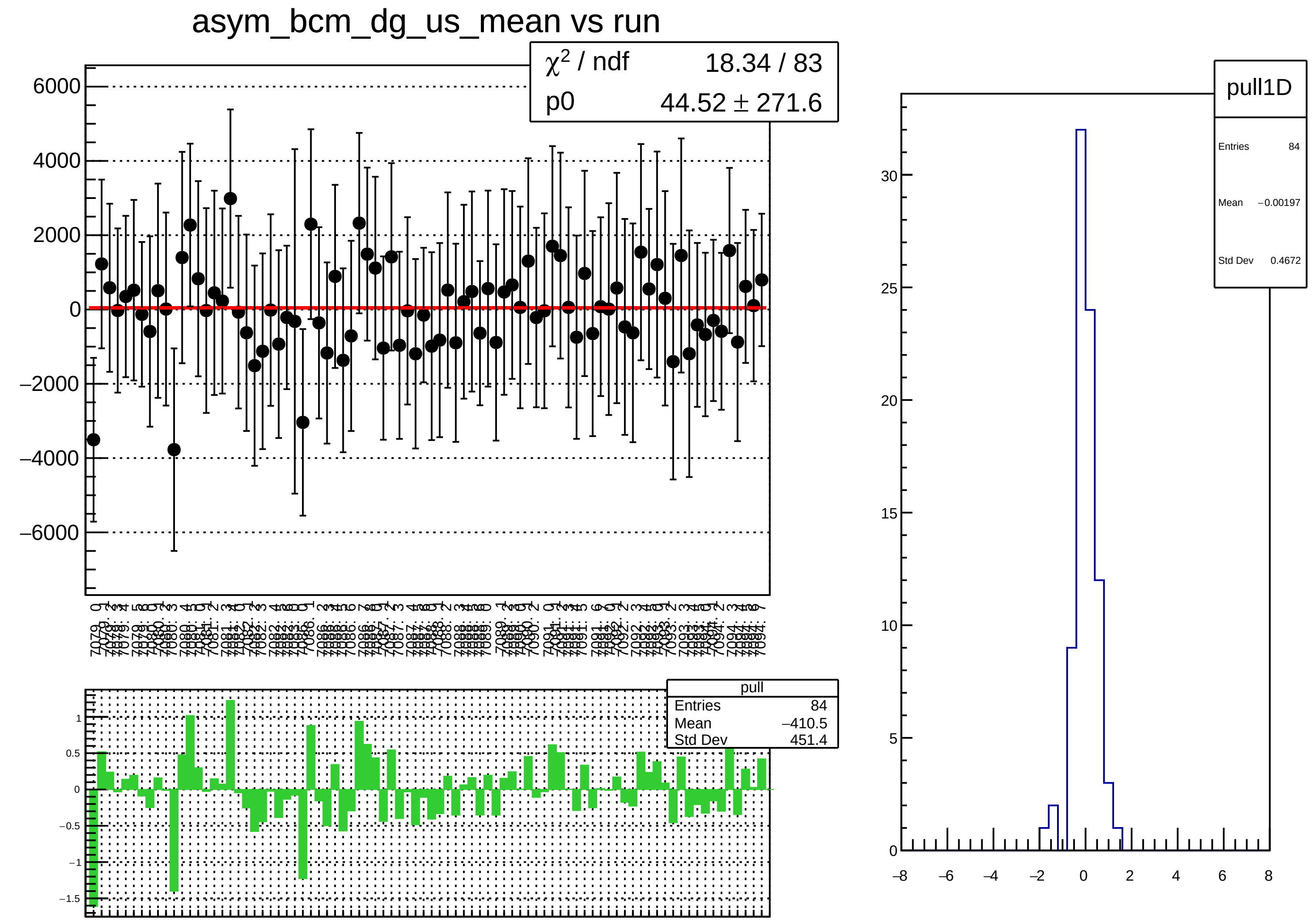
asym_bcm_an_ds3_rms vs run
χ^2 / ndf 1.777e+04 / 83
p0 238.5 ± 0.1887
320
300
280
260
240
220
200
180



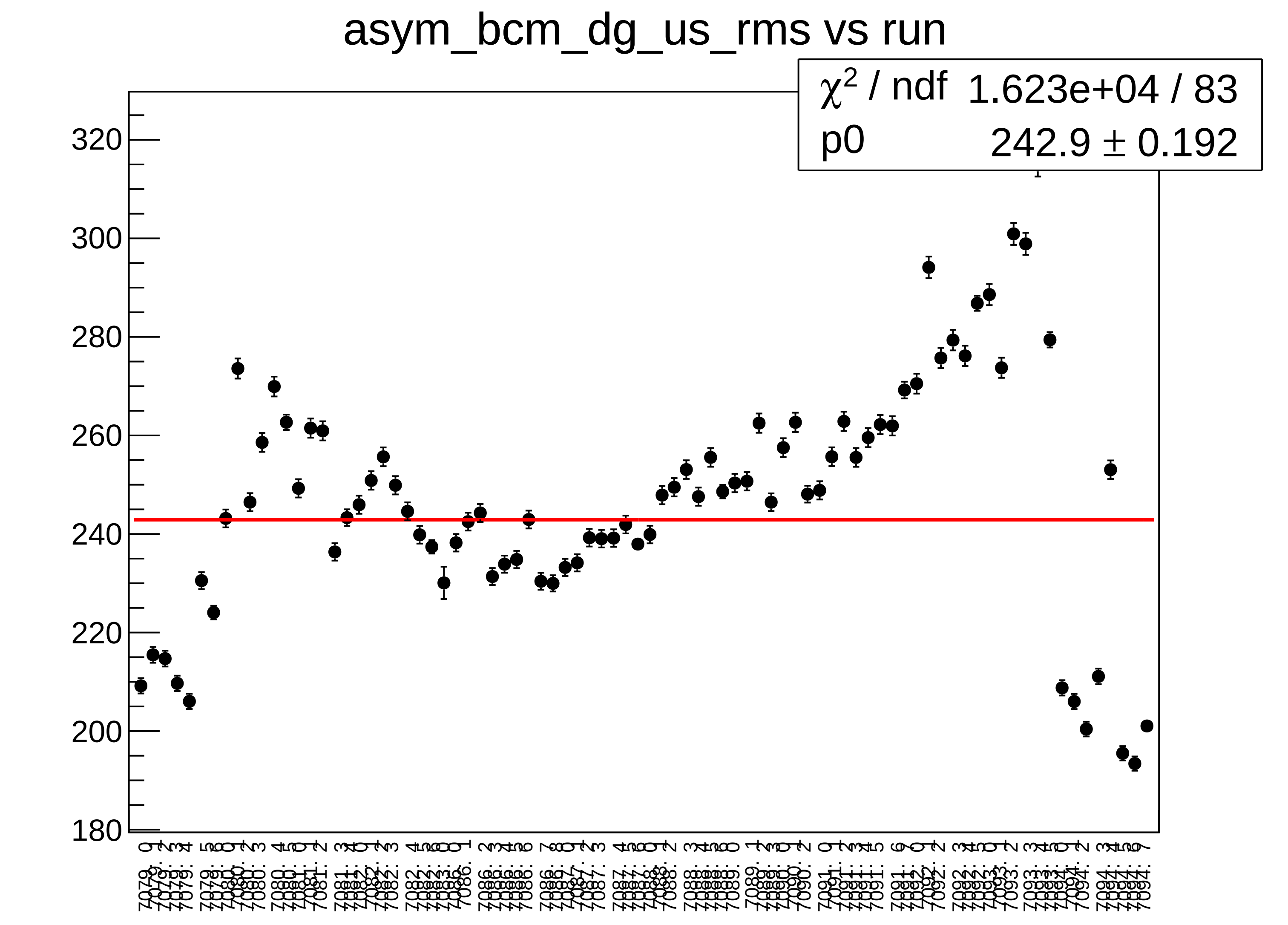
asym_bcm_an_us_mean vs run
χ^2 / ndf 16.26 / 83
p0 74.73 ± 266
pull
Entries 84
Mean −244.5
Std Dev 293.1
pull1D
Entries 84
Mean −0.003547
Std Dev 0.4399



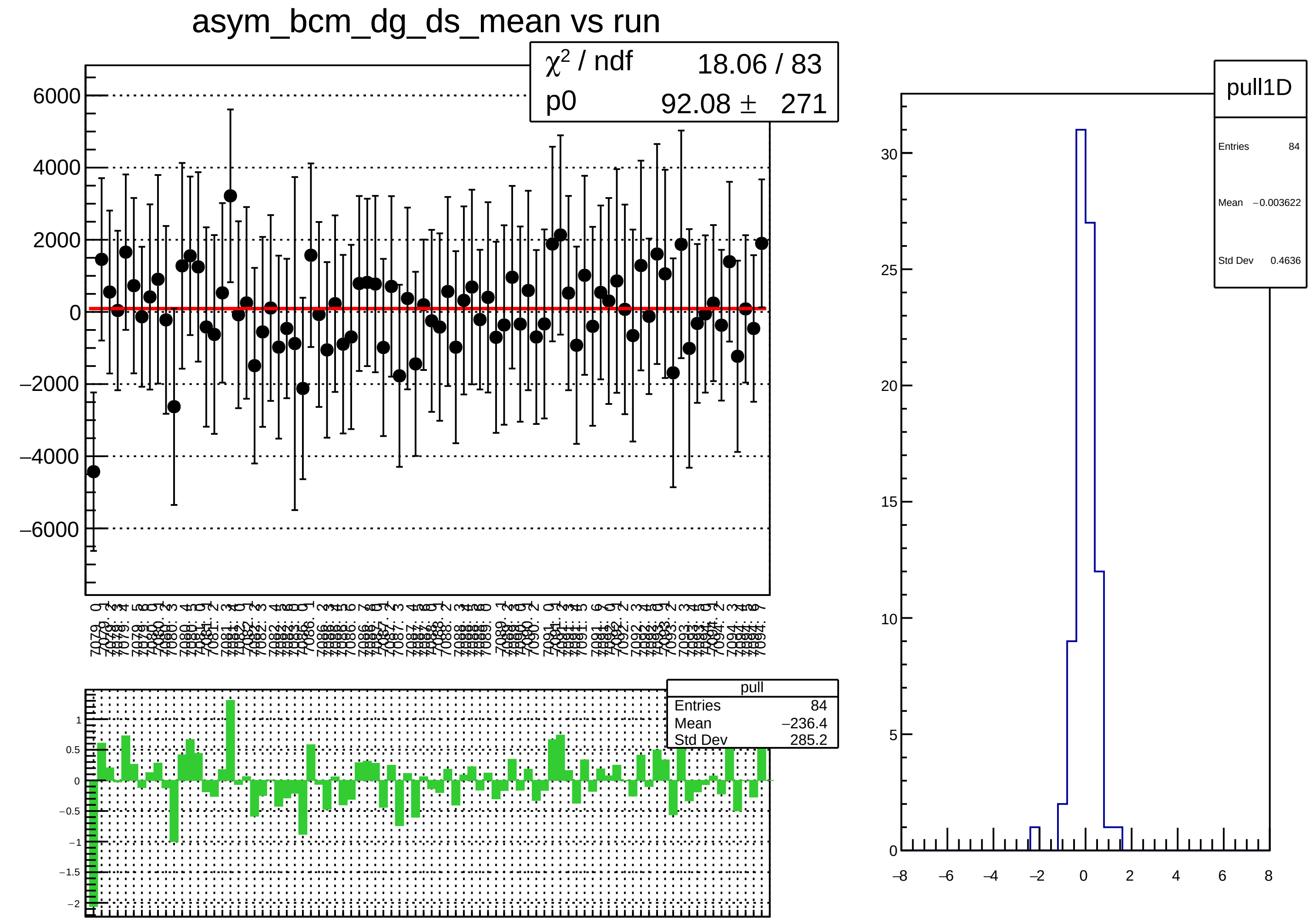
asym_bcm_an_us_rms vs run
χ^2 / ndf 1.781e+04 / 83
p0 237.8 ± 0.1881
320
300
280
260
240
220
200
180



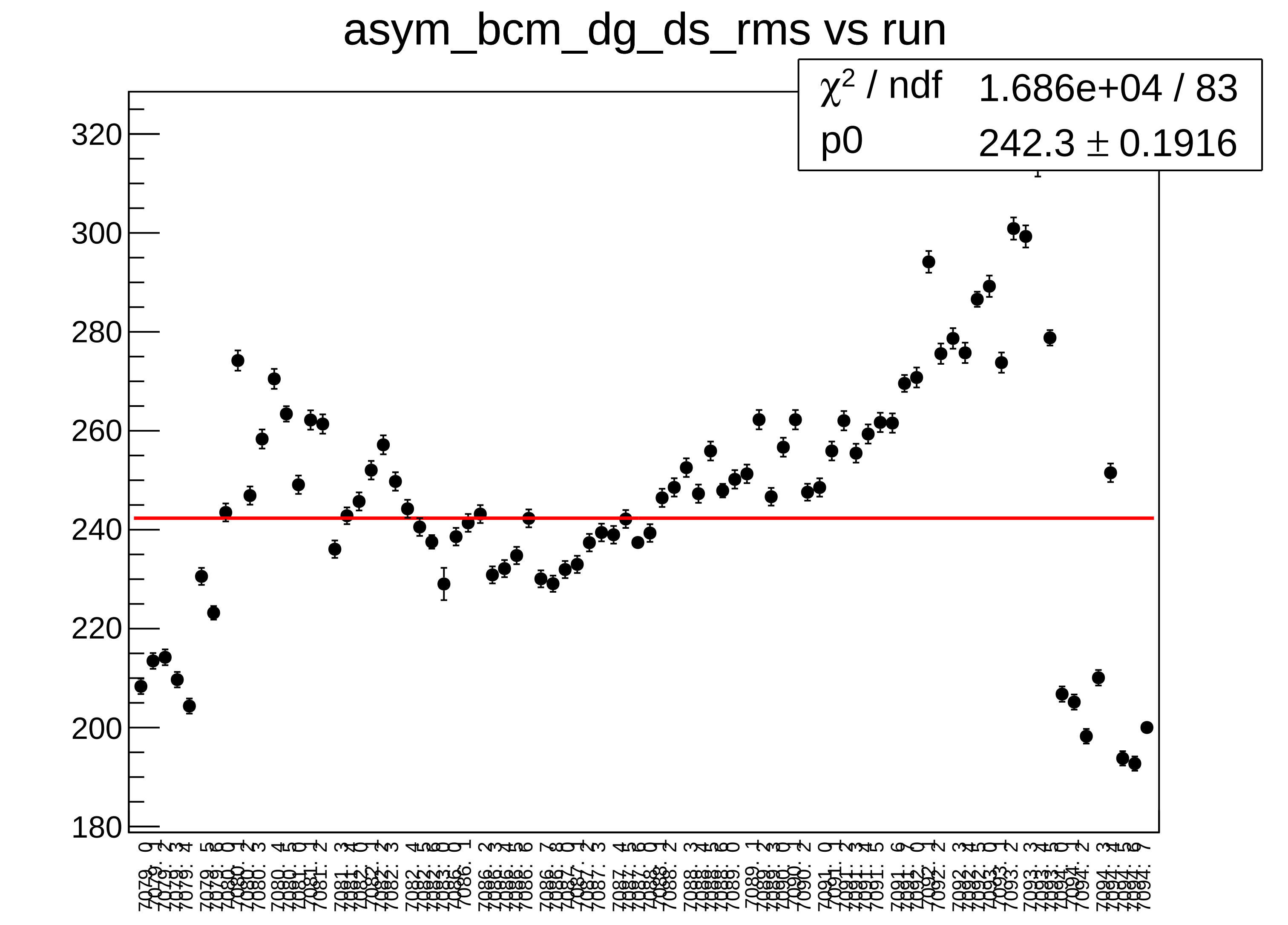
asym_bcm_dg_us_mean vs run
χ^2 / ndf 18.34 / 83
p0 44.52 ± 271.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −410.5
Std Dev 451.4
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.00197
Std Dev 0.4672
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



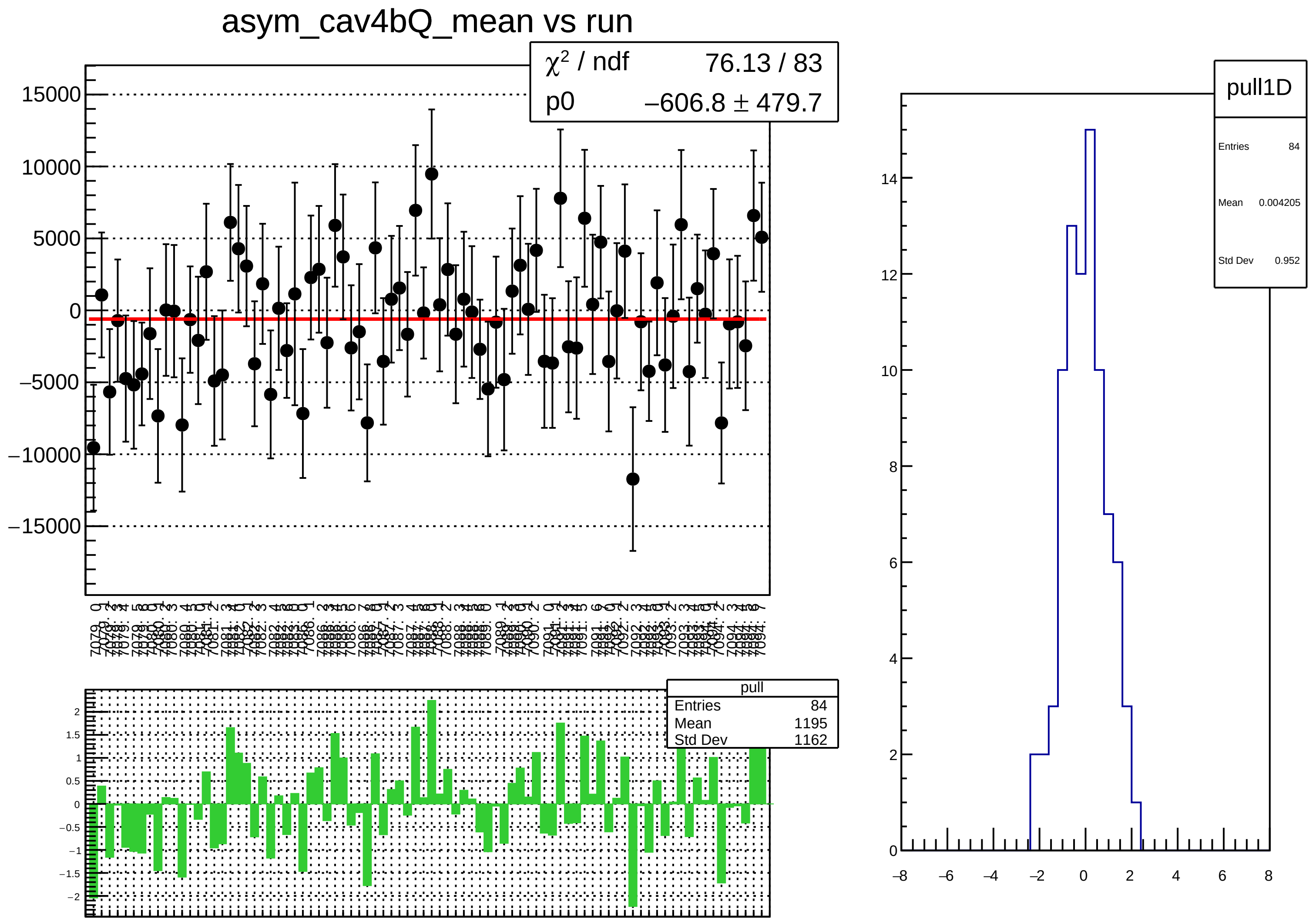
asym_bcm_dg_us_rms vs run
χ2 / ndf 1.623e+04 / 83
p0 242.9 ± 0.192
320
300
280
260
240
220
200
180



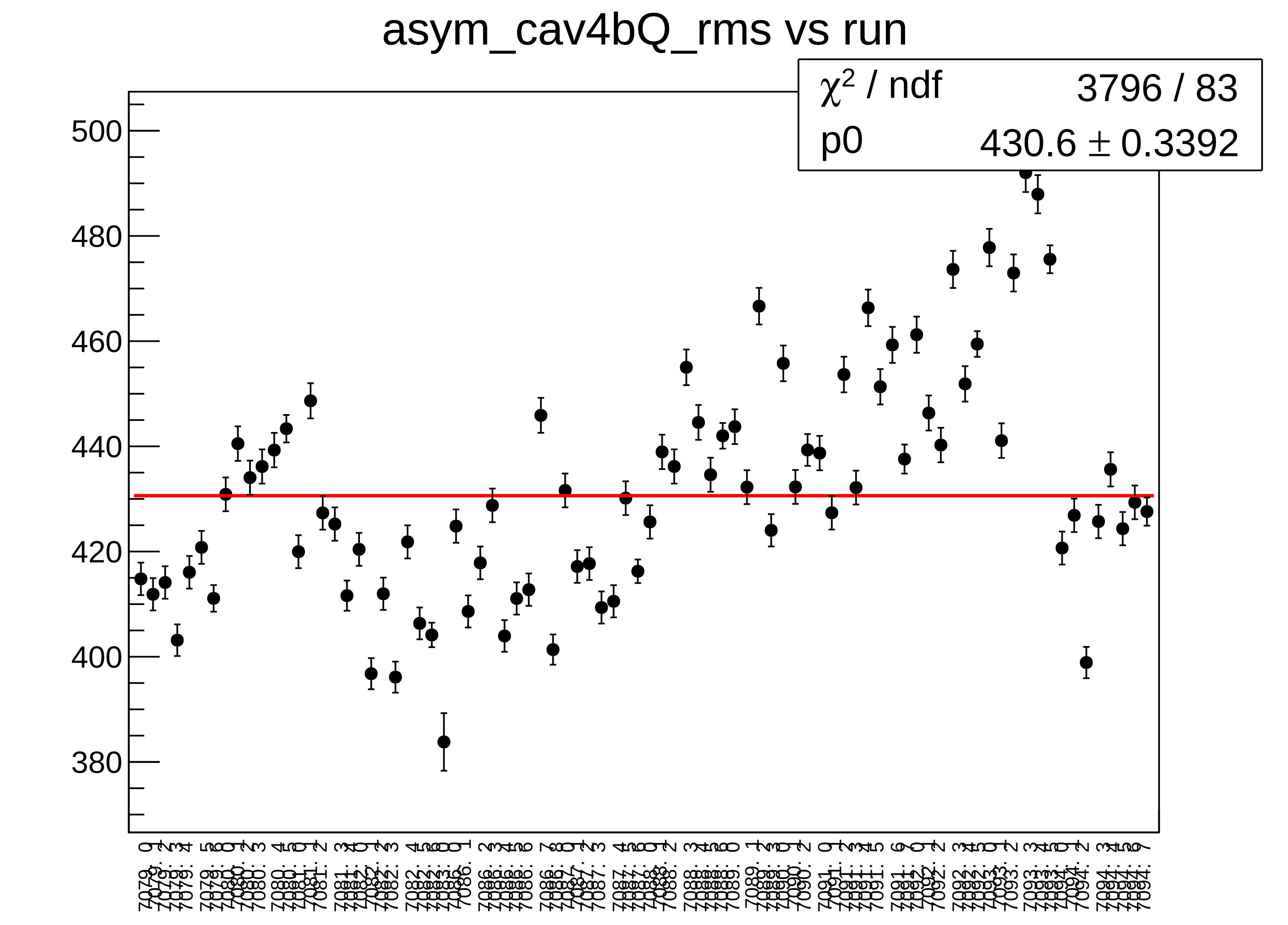
asym_bcm_dg_ds_mean vs run
χ^2 / ndf 18.06 / 83
p0 92.08 ± 271
pull
Entries 84
Mean −236.4
Std Dev 285.2
pull1D
Entries 84
Mean −0.003622
Std Dev 0.4636

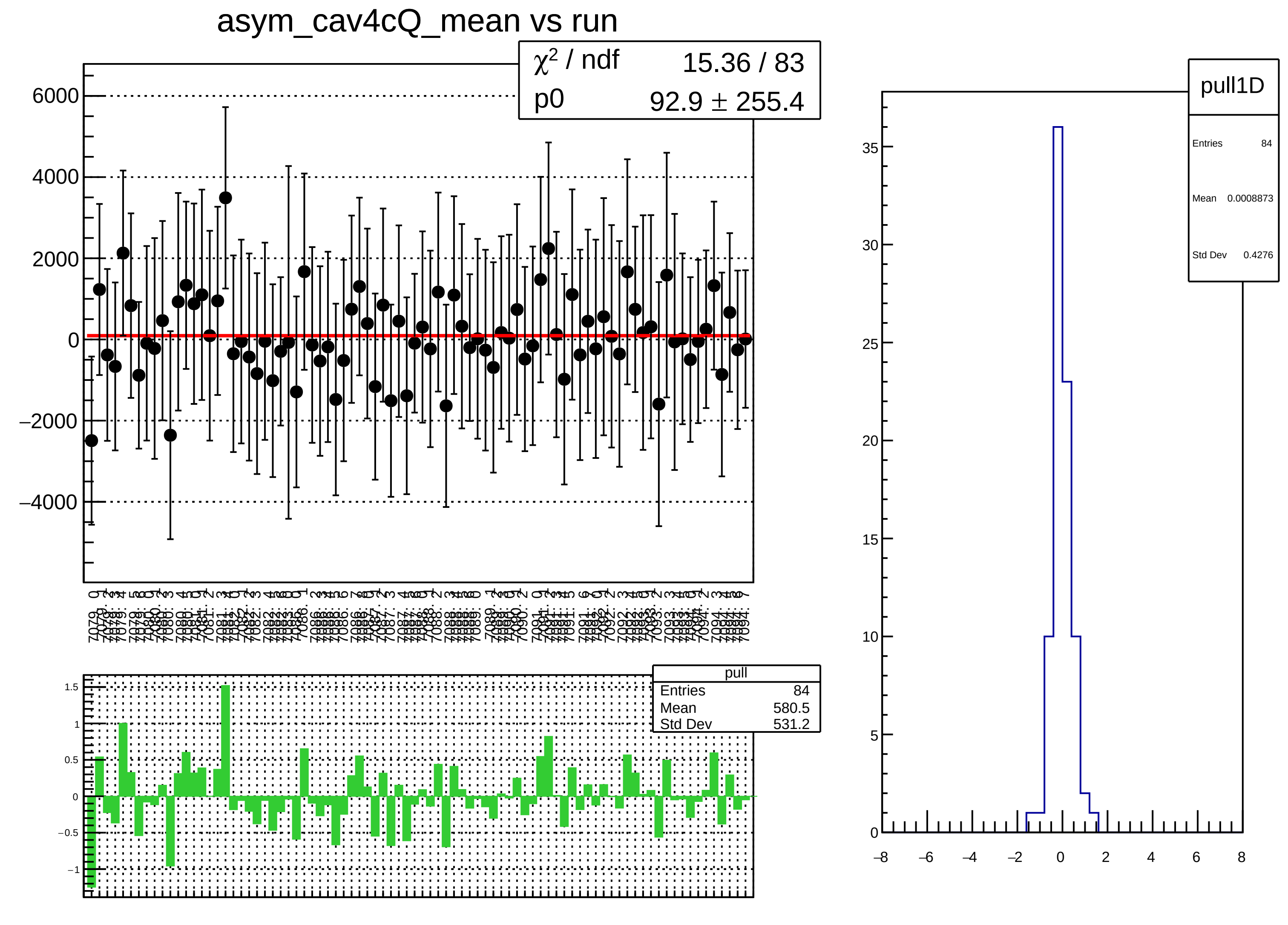


asym_bcm_dg_ds_rms vs run
χ2 / ndf 1.686e+04 / 83
p0 242.3 ± 0.1916
320
300
280
260
240
220
200
180

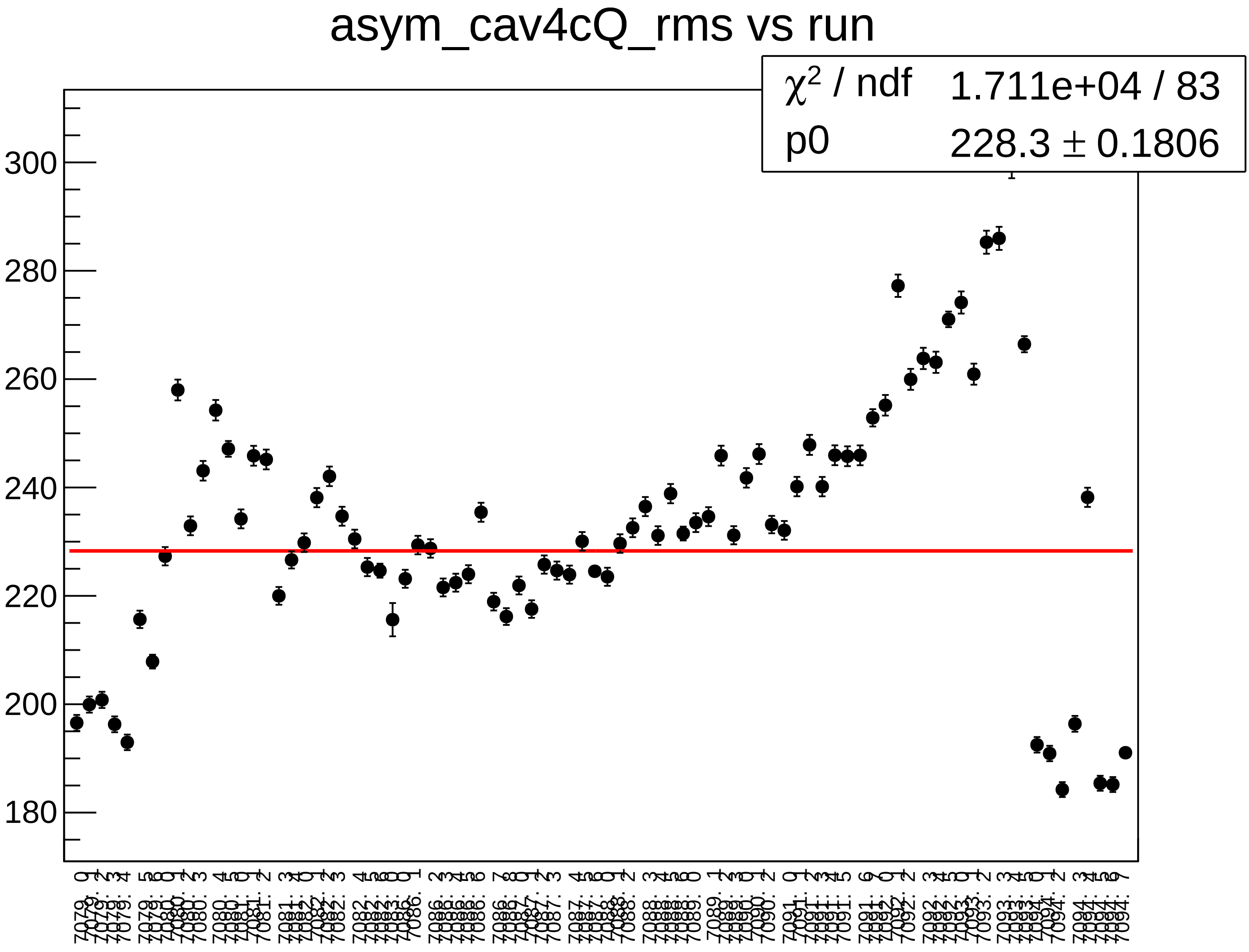


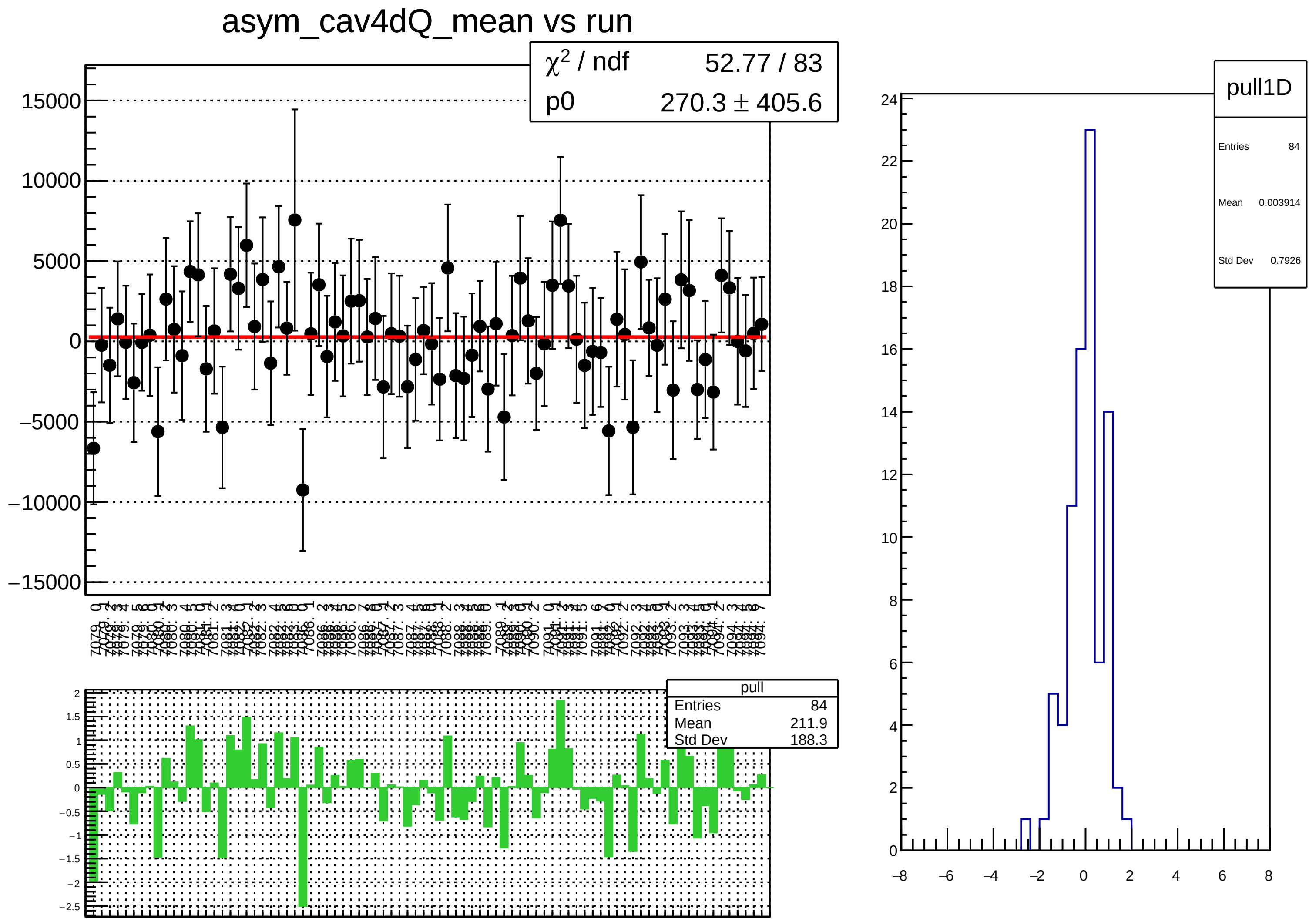
asym_cav4bQ_mean vs run
χ^2 / ndf 76.13 / 83
p0 −606.8 ± 479.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 1195
Std Dev 1162
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean 0.004205
Std Dev 0.952
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_cav4bQ_rms vs run
χ^2 / ndf 3796 / 83
p0 430.6 ± 0.3392
500
480
460
440
420
400
380

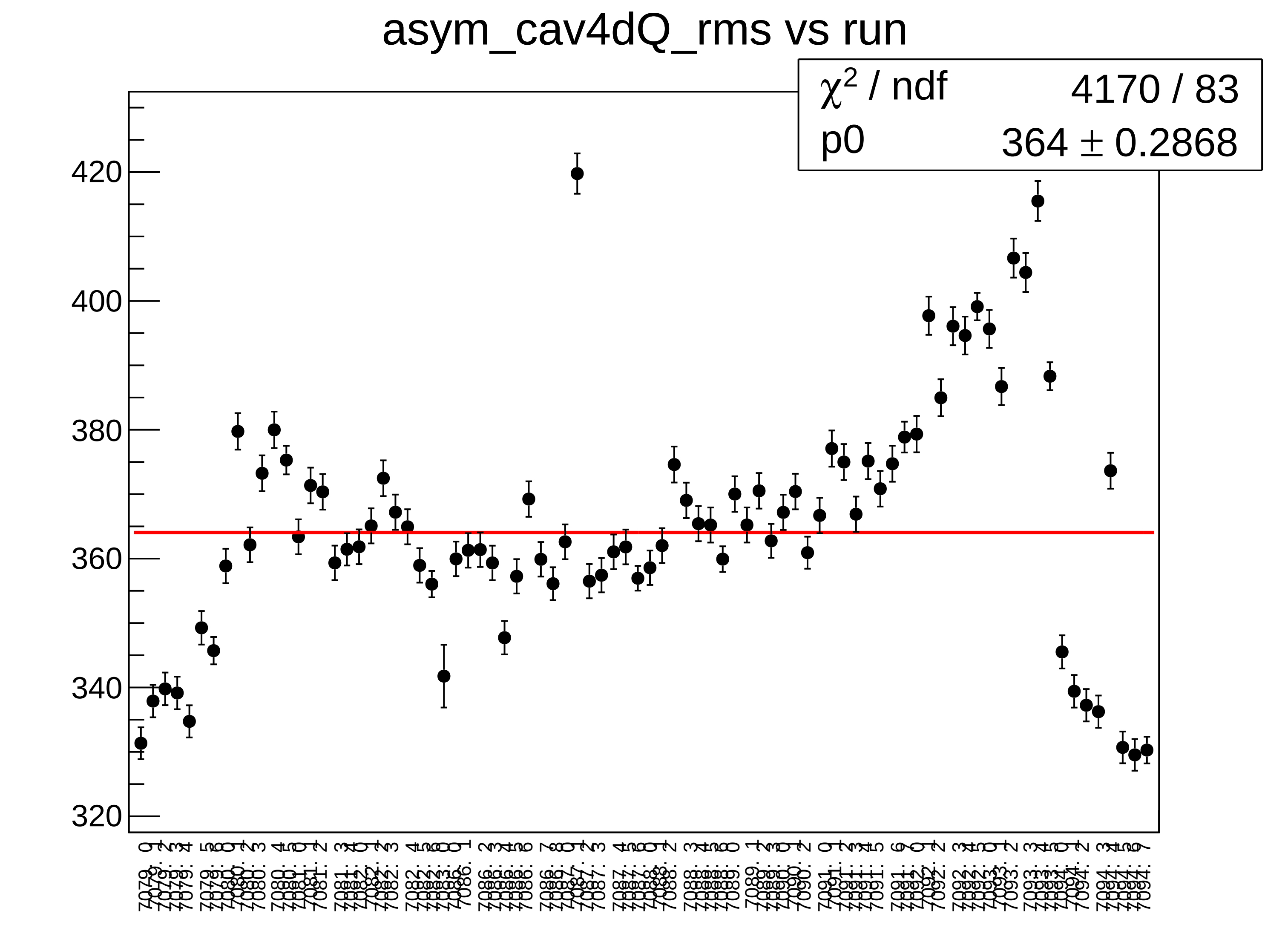


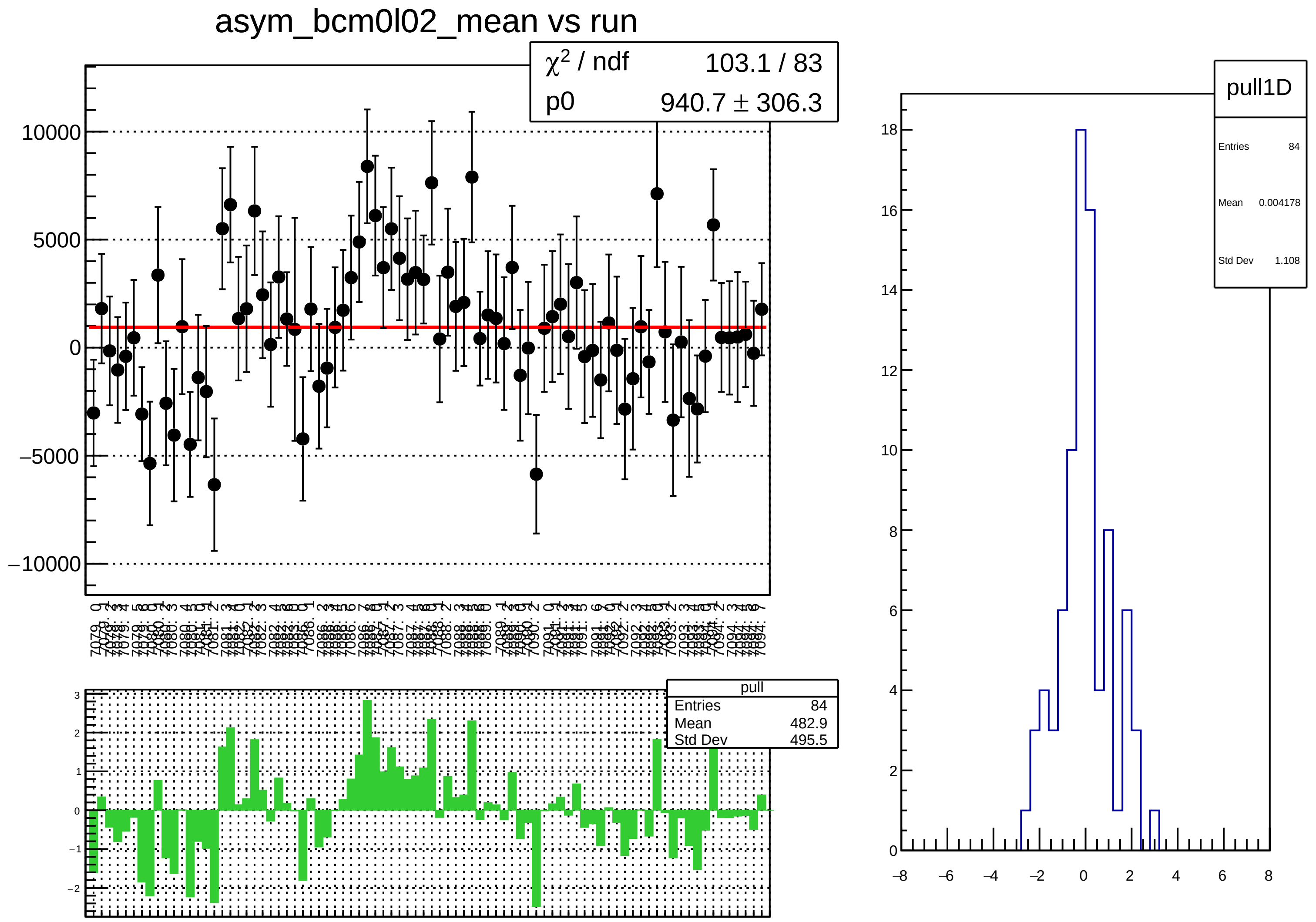
asym_cav4cQ_mean vs run
χ2 / ndf 15.36 / 83
p0 92.9 ± 255.4
pull
Entries 84
Mean 580.5
Std Dev 531.2
pull1D
Entries 84
Mean 0.0008873
Std Dev 0.4276


asym_cav4cQ_rms vs run
χ2 / ndf 1.711e+04 / 83
p0 228.3 ± 0.1806
300
280
260
240
220
200
180

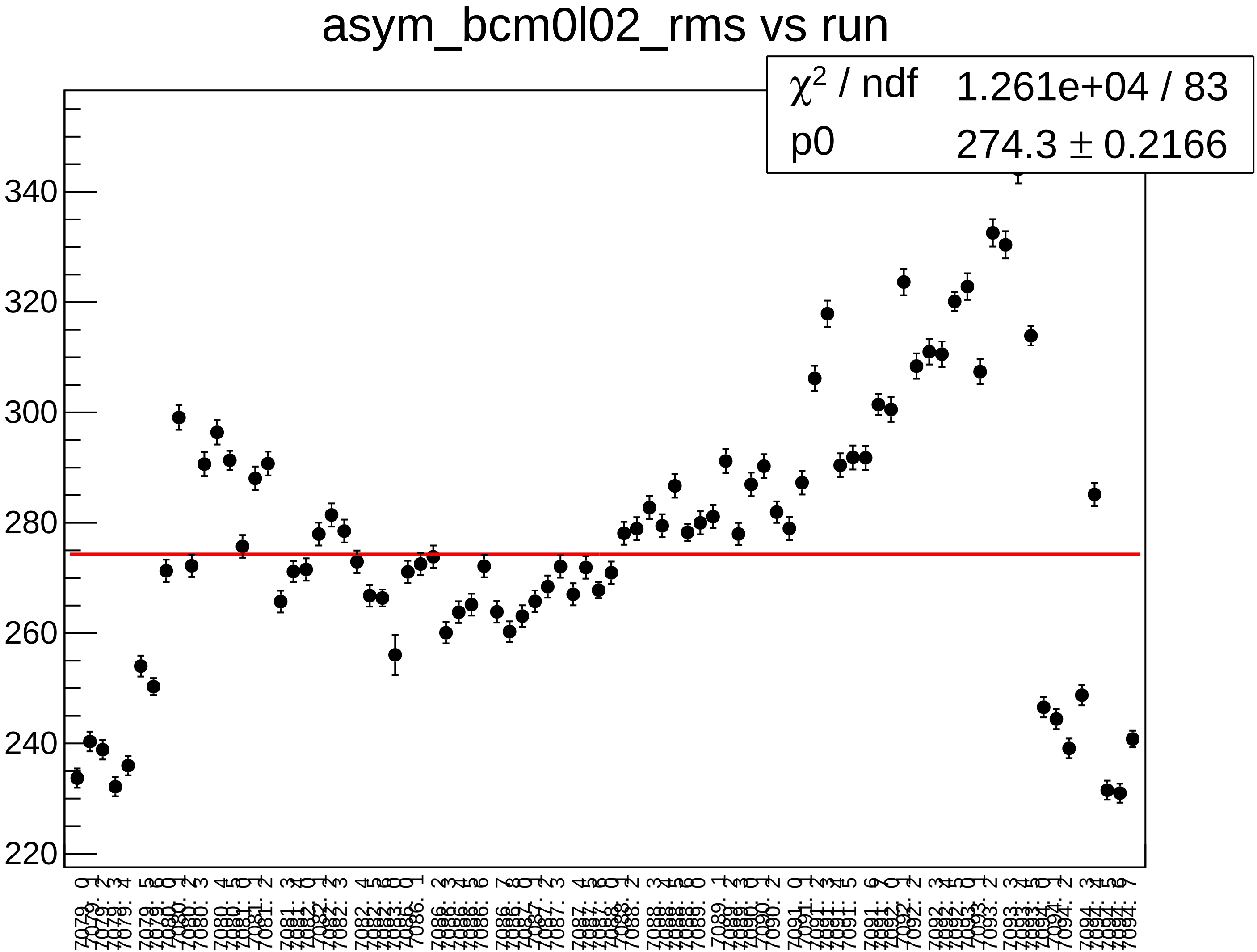


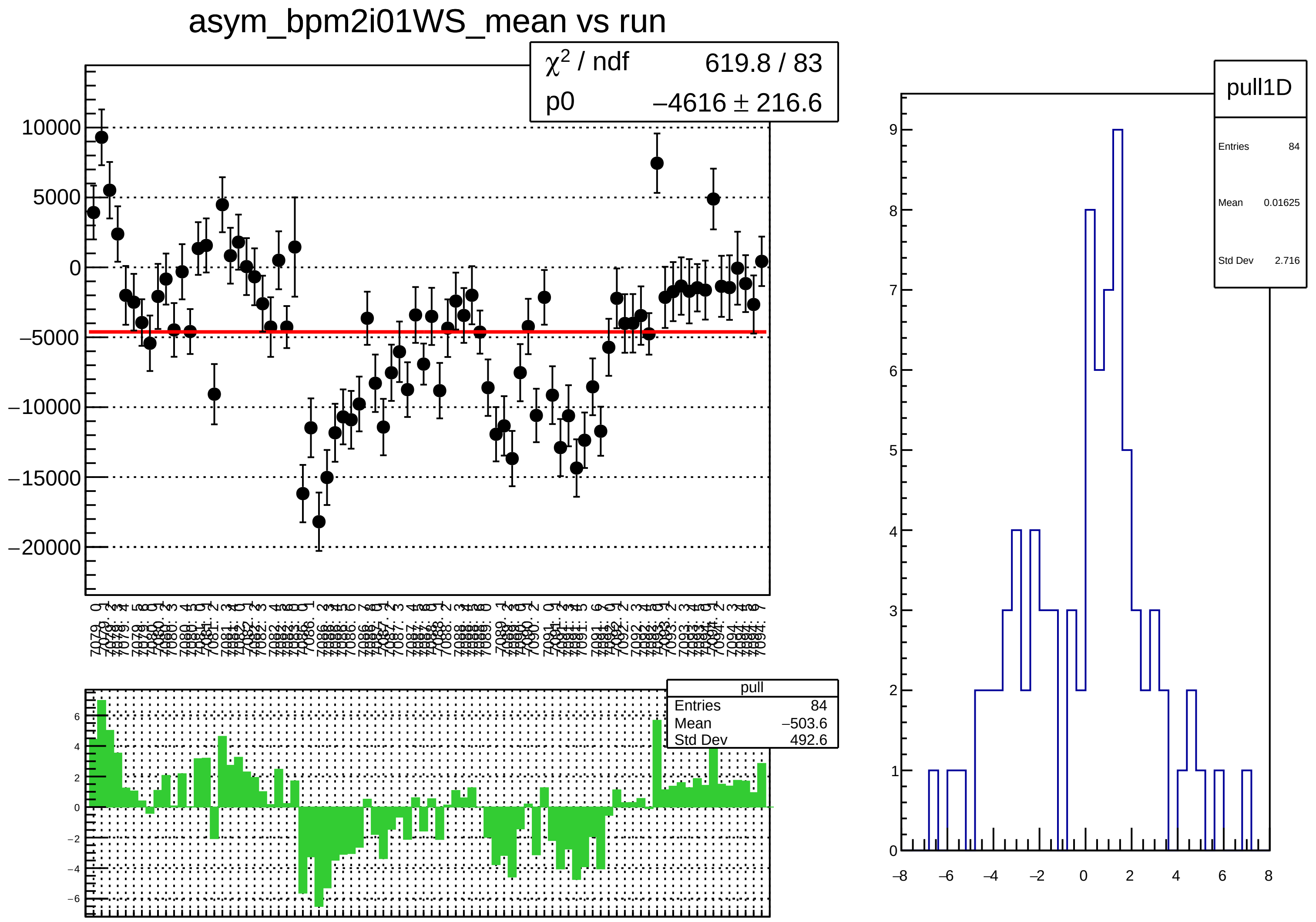
asym_cav4dQ_mean vs run
χ^2 / ndf 52.77 / 83
p0 270.3 ± 405.6
pull
Entries 84
Mean 211.9
Std Dev 188.3
pull1D
Entries 84
Mean 0.003914
Std Dev 0.7926


asym_cav4dQ_rms vs run
χ2 / ndf 4170 / 83
p0 364 ± 0.2868
420
400
380
360
340
320

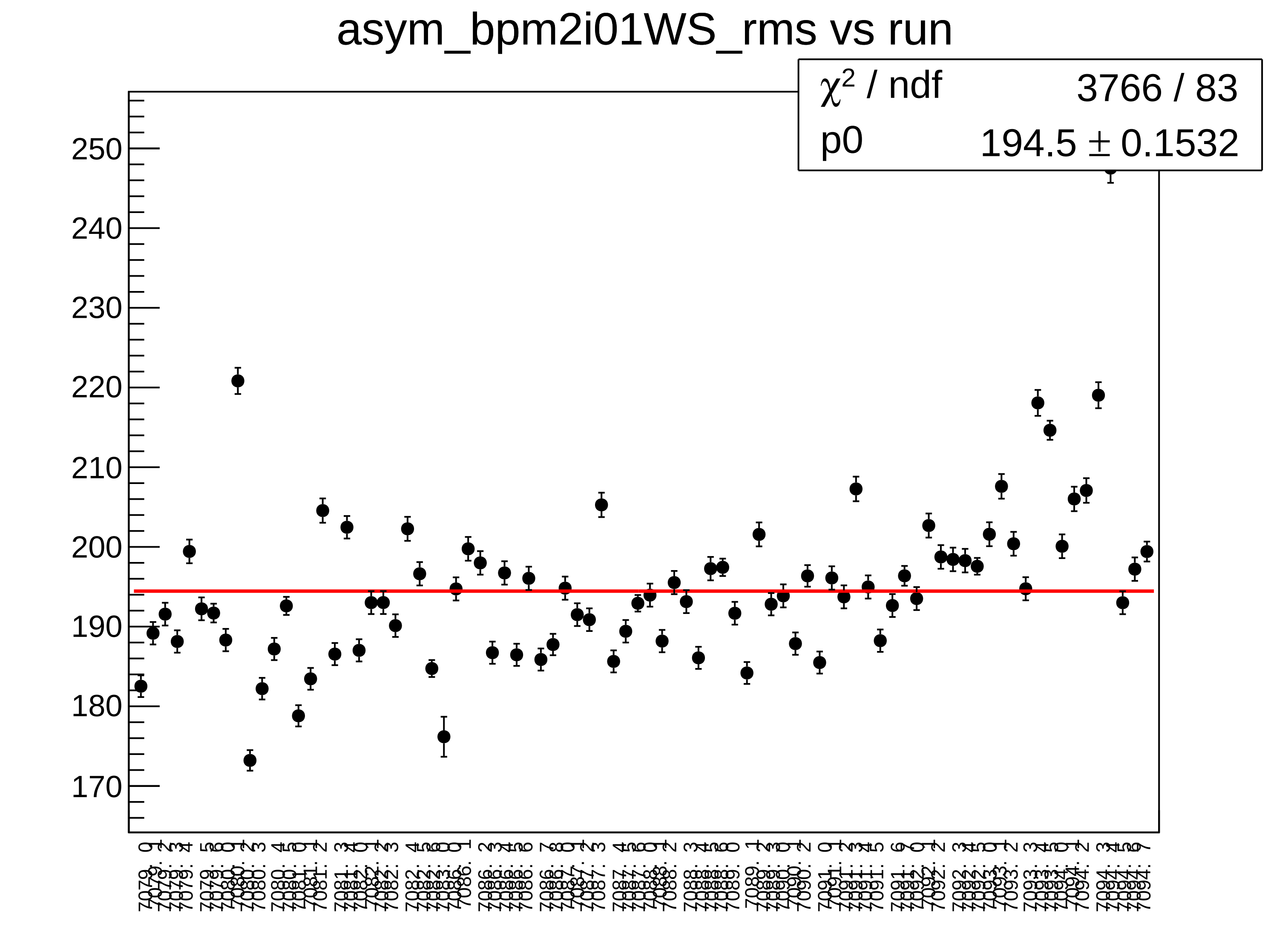


asym_bcm0l02_mean vs run
χ^2 / ndf 103.1 / 83
p0 940.7 ± 306.3
pull
Entries 84
Mean 482.9
Std Dev 495.5
pull1D
Entries 84
Mean 0.004178
Std Dev 1.108

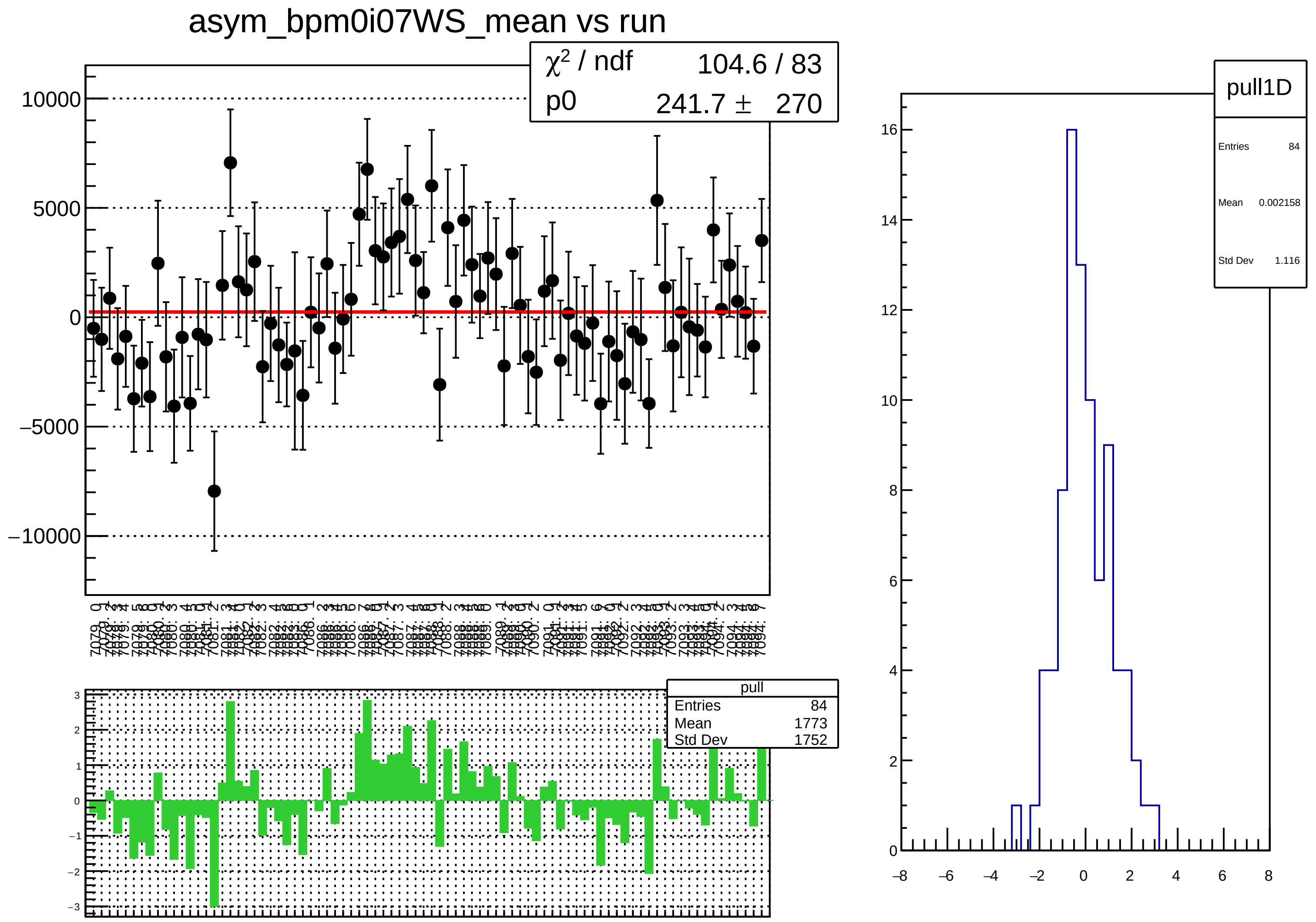

asym_bcm0l02_rms vs run
χ^2 / ndf 1.261e+04 / 83
p0 274.3 ± 0.2166
340
320
300
280
260
240
220

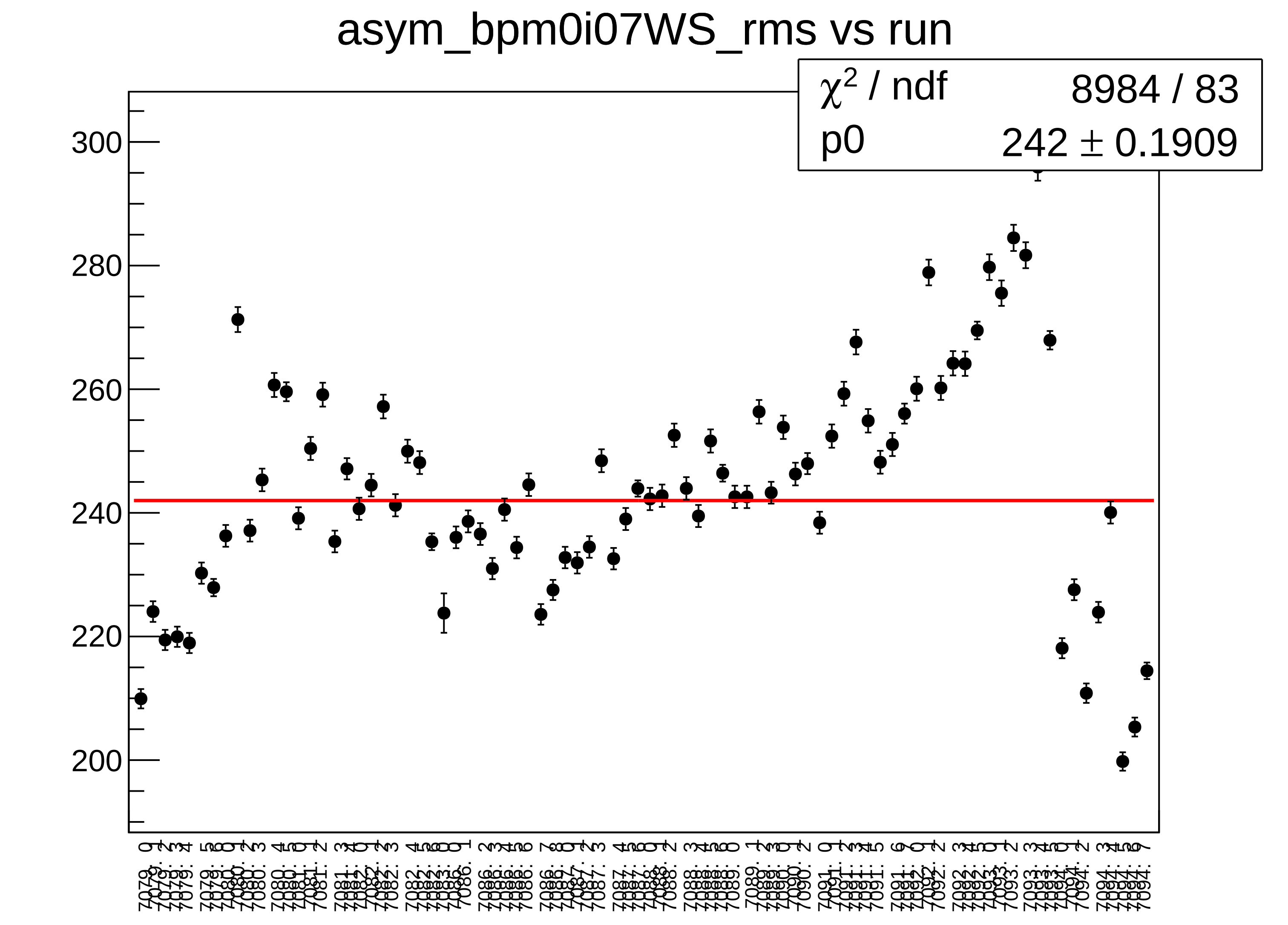


asym_bpm2i01WS_mean vs run
χ^2 / ndf 619.8 / 83
p0 −4616 ± 216.6
pull
Entries 84
Mean −503.6
Std Dev 492.6
pull1D
Entries 84
Mean 0.01625
Std Dev 2.716

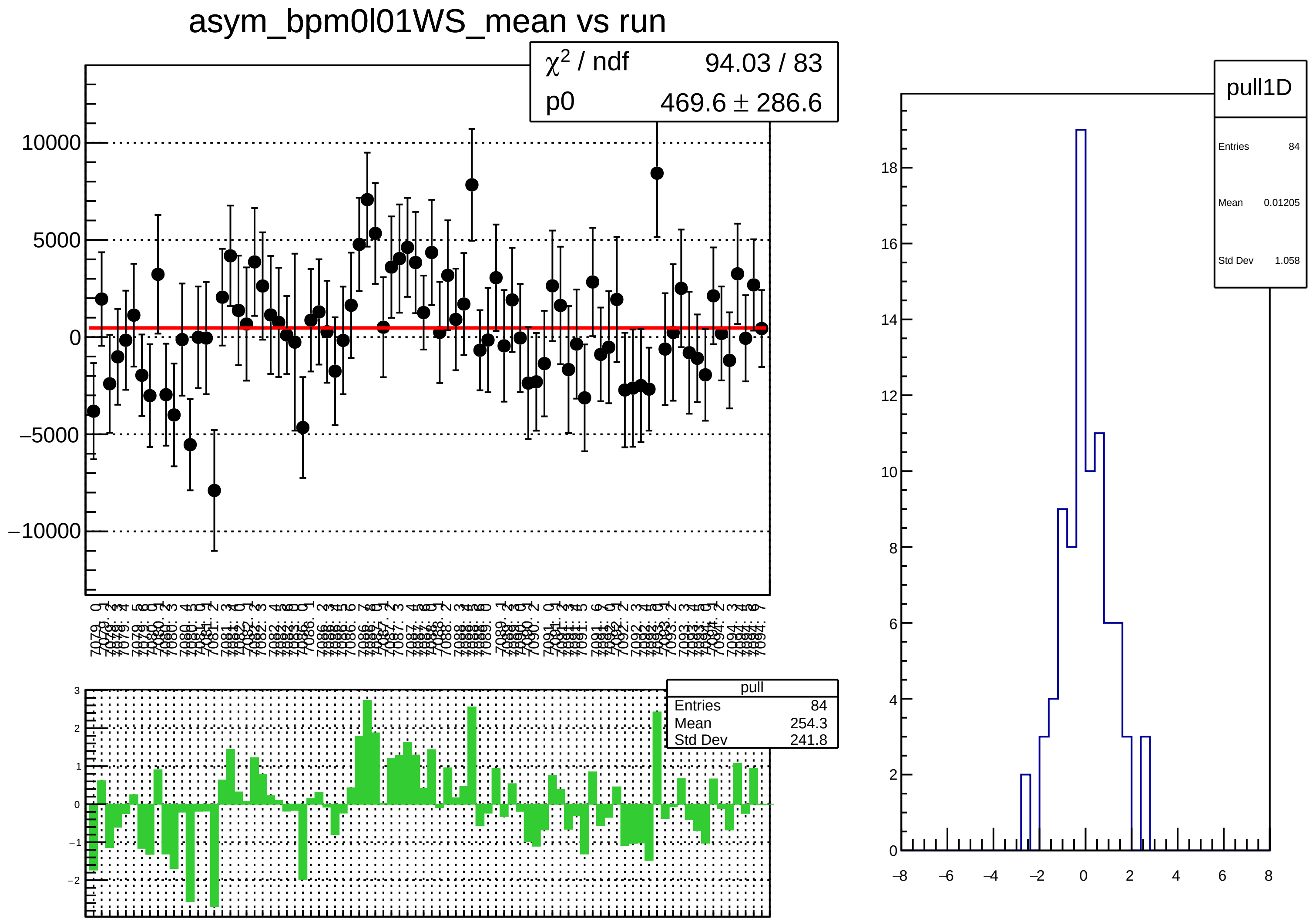


asym_bpm2i01WS_rms vs run
χ^2 / ndf 3766 / 83
p0 194.5 ± 0.1532
250
240
230
220
210
200
190
180
170

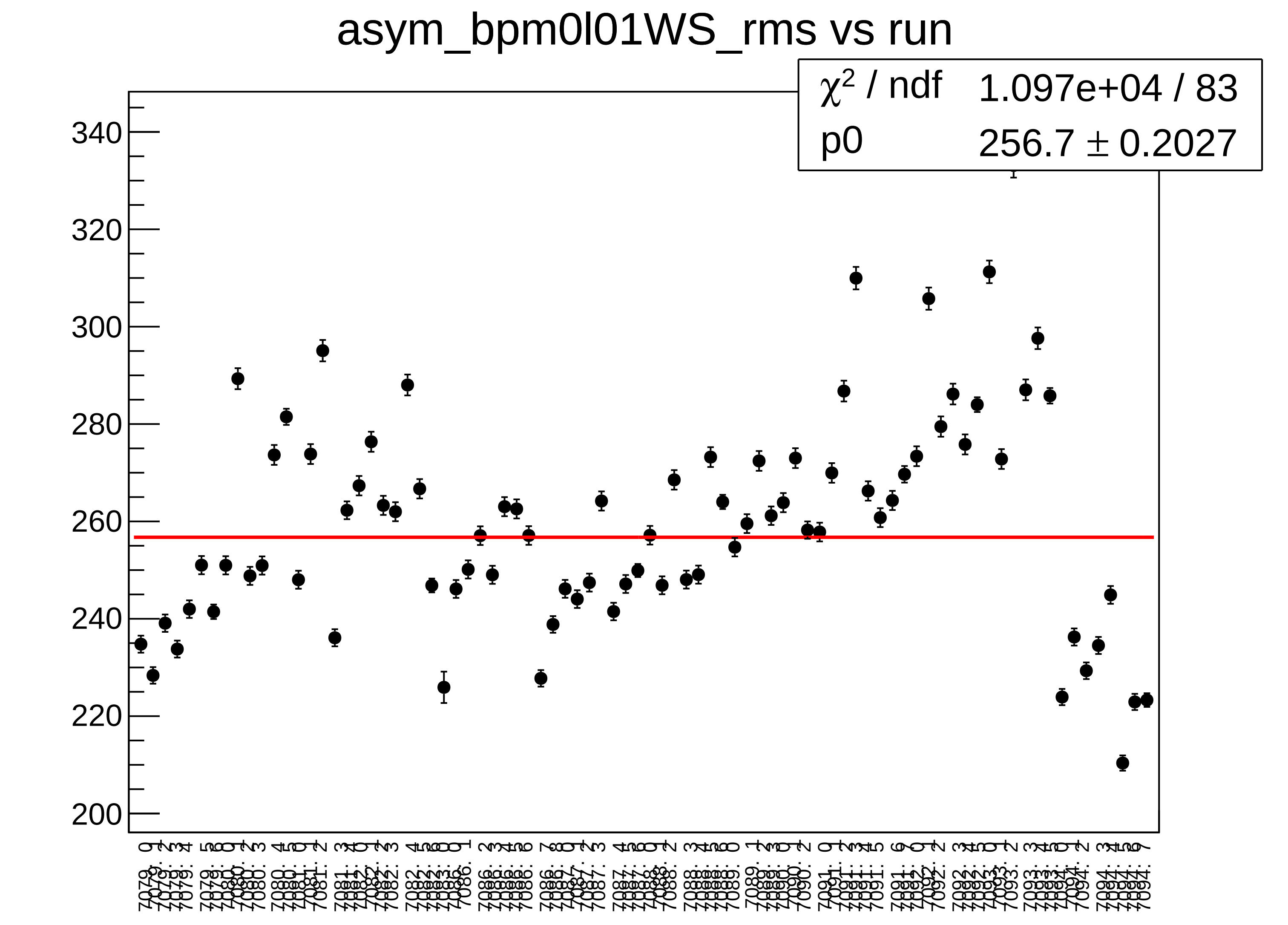

asym_bpm0i07WS_mean vs run
χ² / ndf 104.6 / 83
p0 241.7 ± 270
pull
Entries 84
Mean 1773
Std Dev 1752
pull1D
Entries 84
Mean 0.002158
Std Dev 1.116

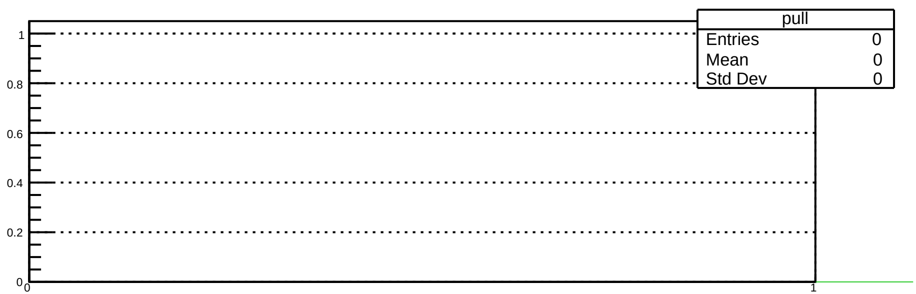


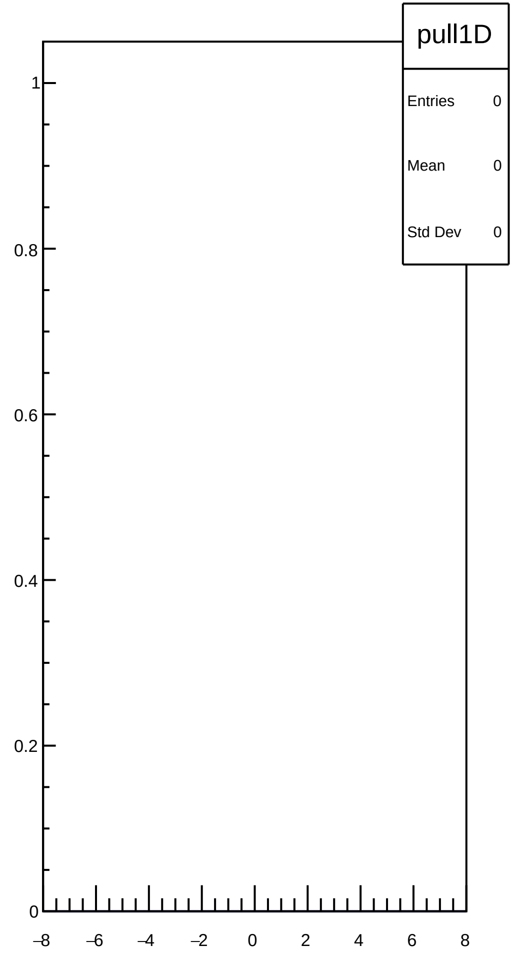
asym_bpm0i07WS_rms vs run
χ^2 / ndf 8984 / 83
p0 242 ± 0.1909
300
280
260
240
220
200

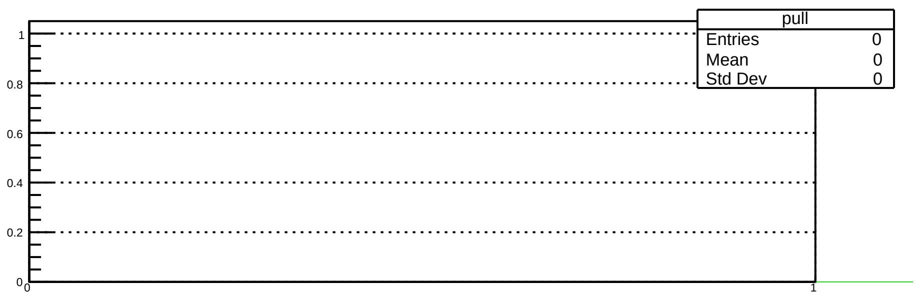


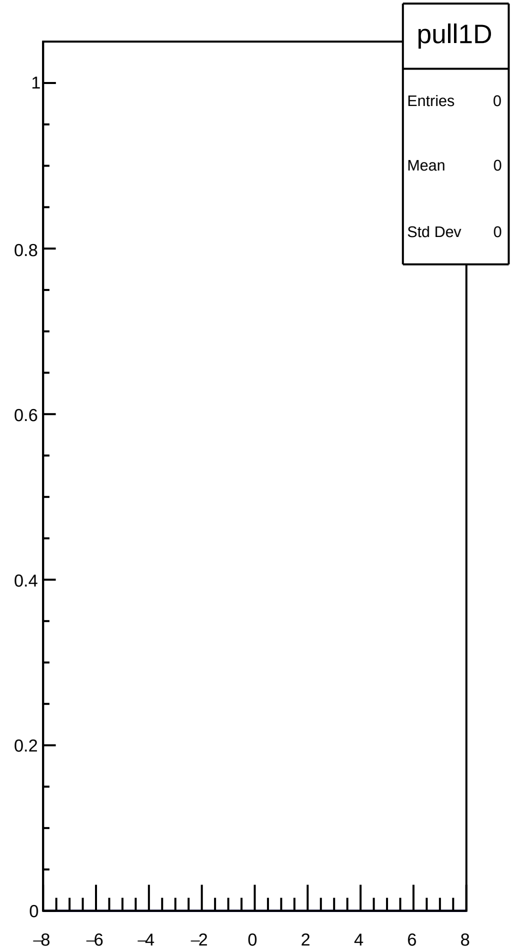
asym_bpm0l01WS_mean vs run
χ^2 / ndf 94.03 / 83
p0 469.6 ± 286.6
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 254.3
Std Dev 241.8
pull1D
Entries 84
Mean 0.01205
Std Dev 1.058

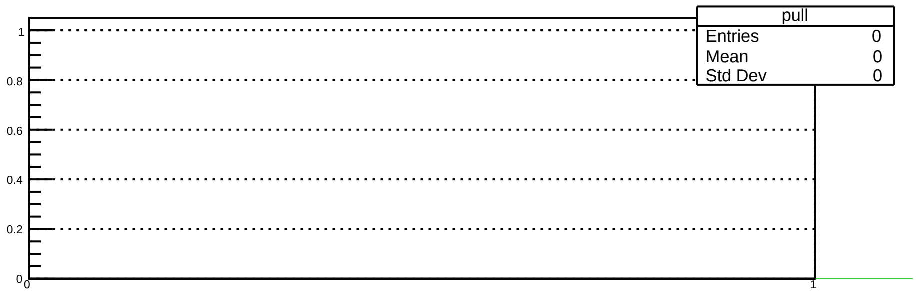

asym_bpm0l01WS_rms vs run
χ^2 / ndf 1.097e+04 / 83
p0 256.7 ± 0.2027

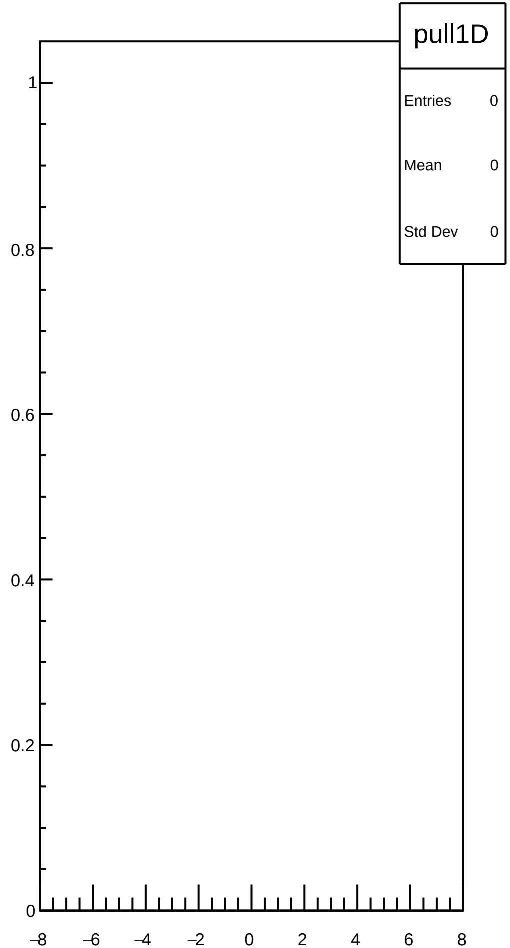

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1

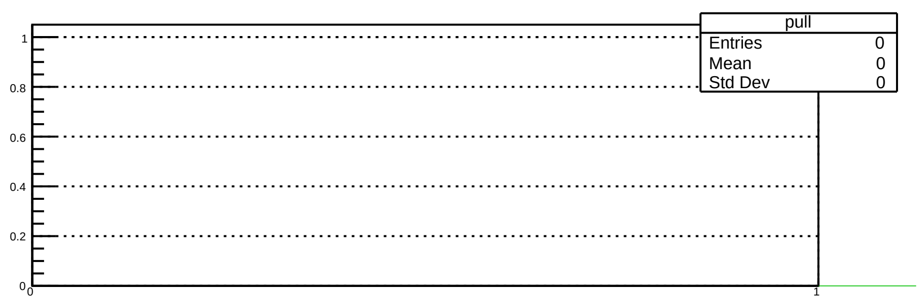

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8

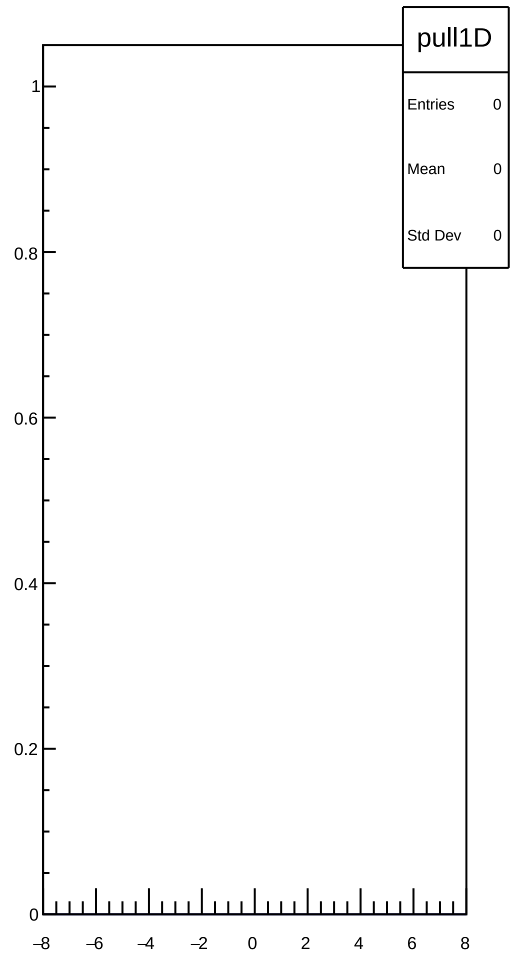

pull
Entries 0
Mean 0
Std Dev 0

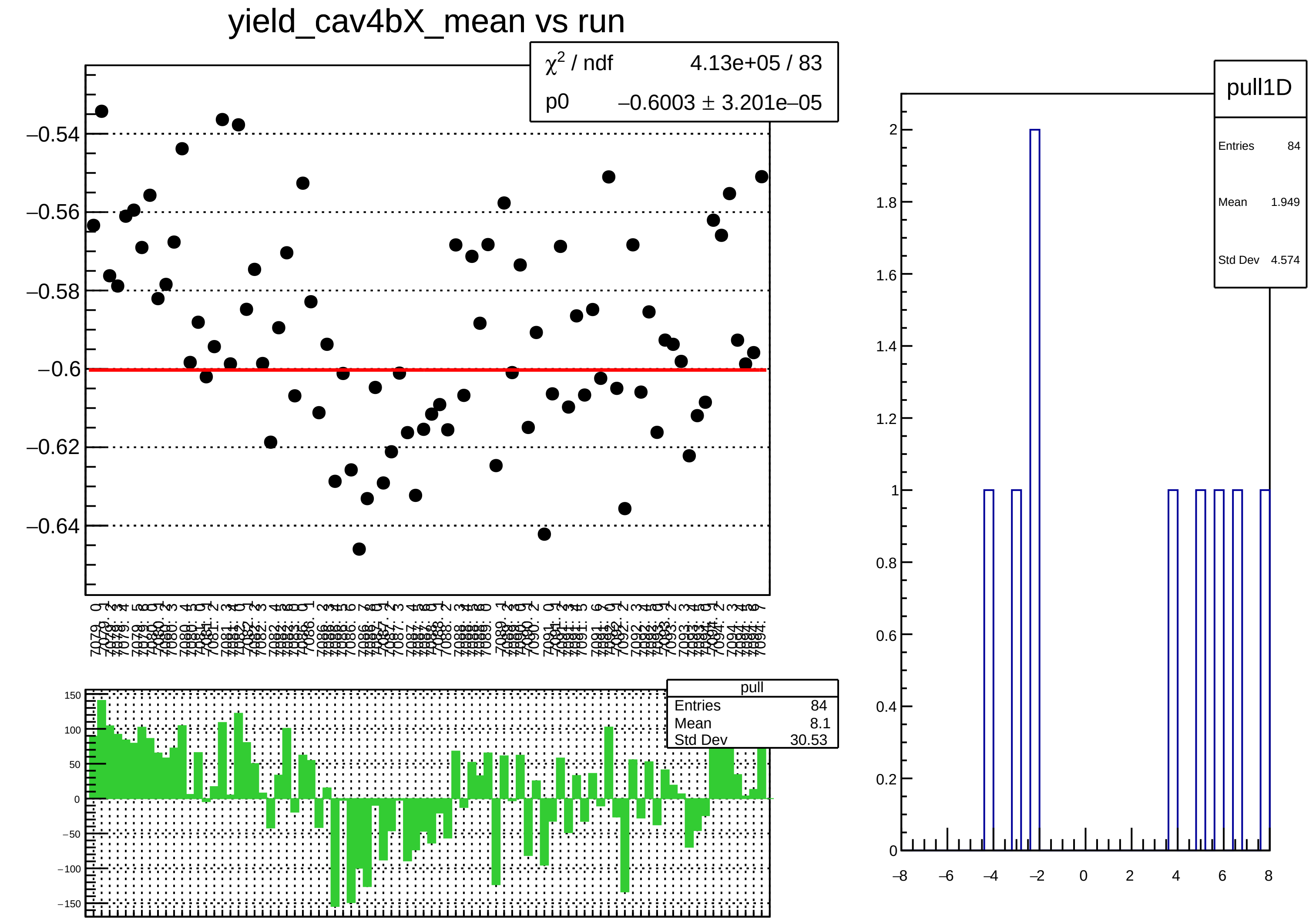

pull1D
Entries 0
Mean 0
Std Dev 0


pull
Entries 0
Mean 0
Std Dev 0

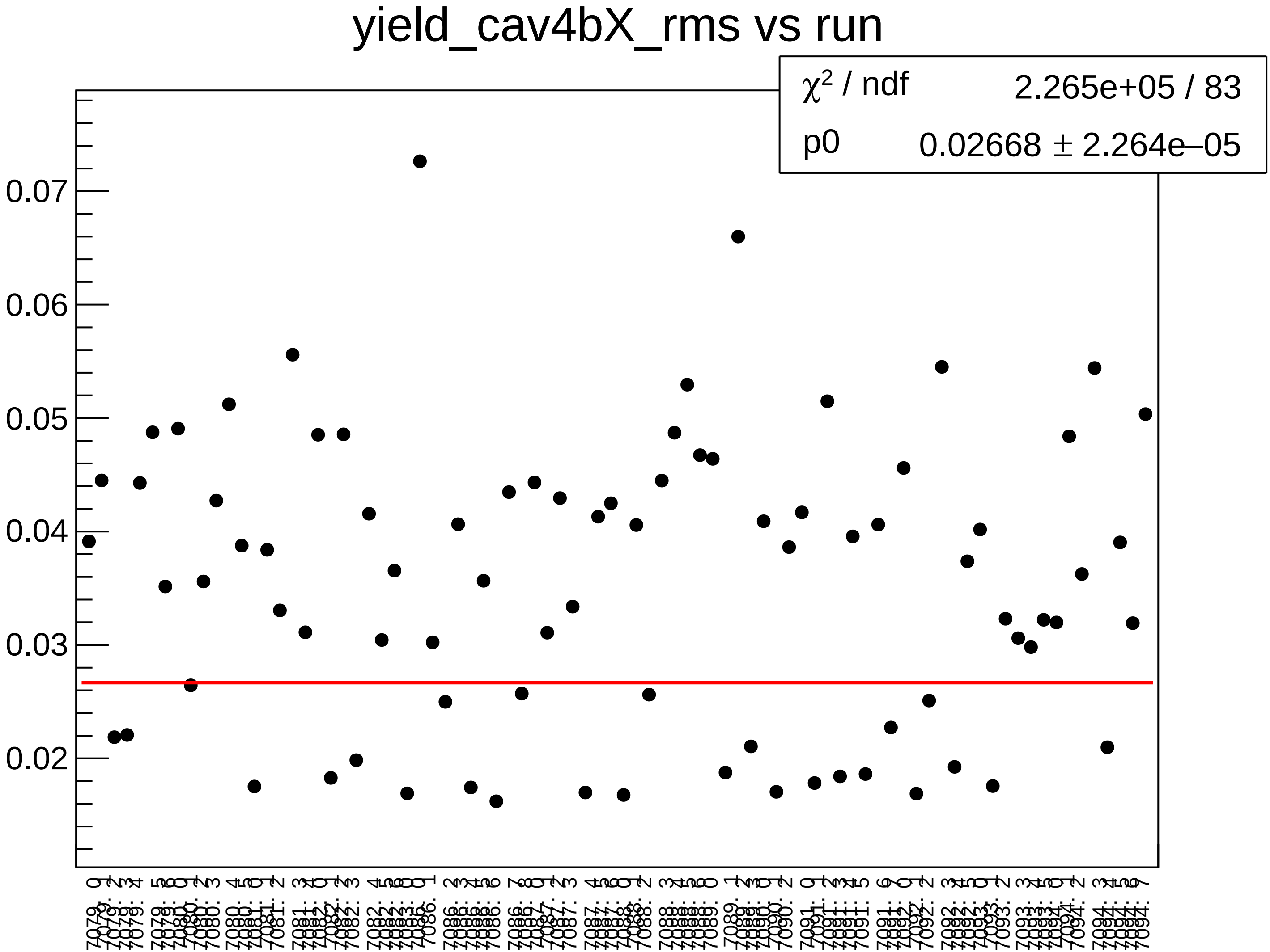

pull1D
Entries 0
Mean 0
Std Dev 0


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

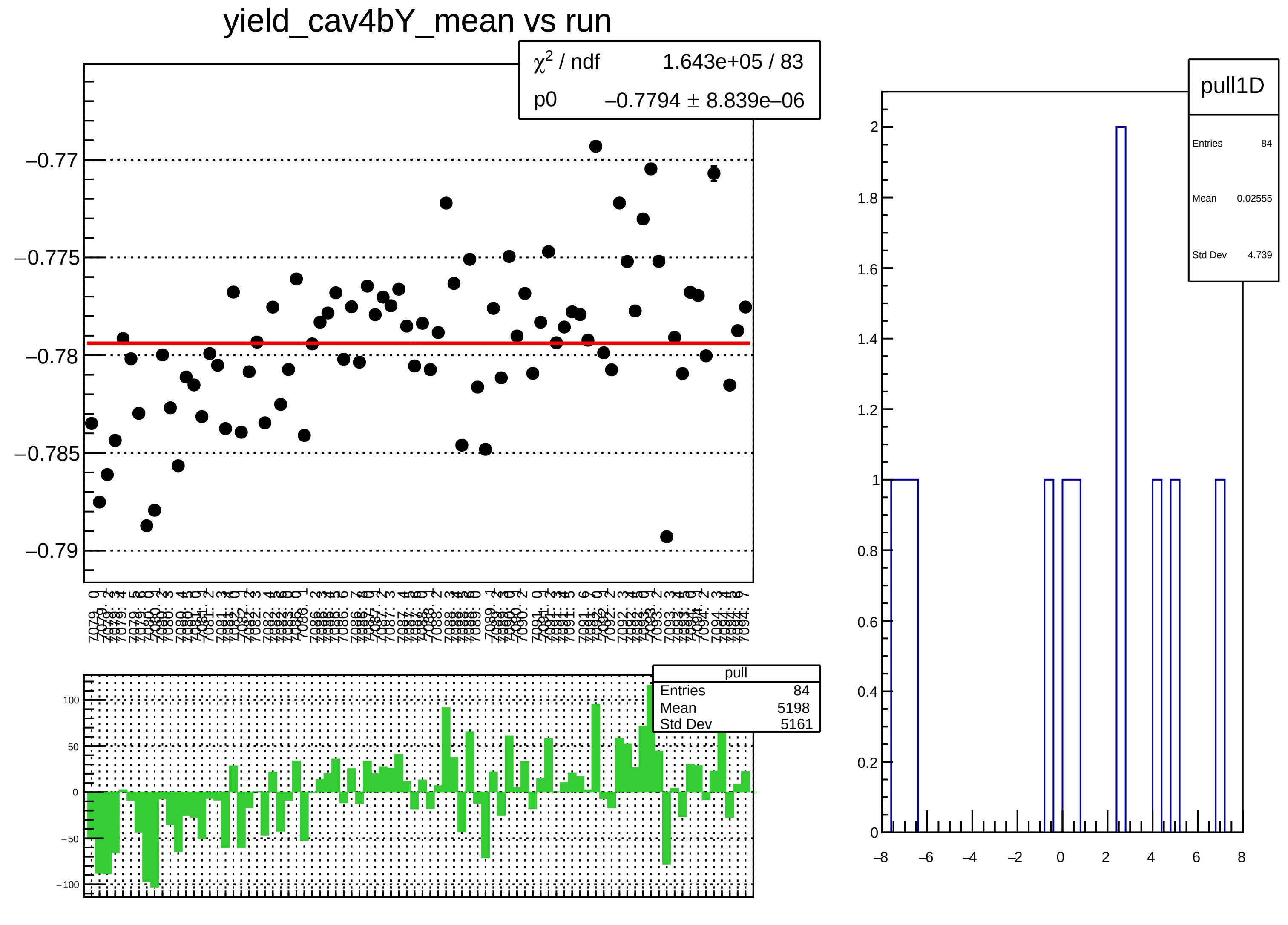

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8

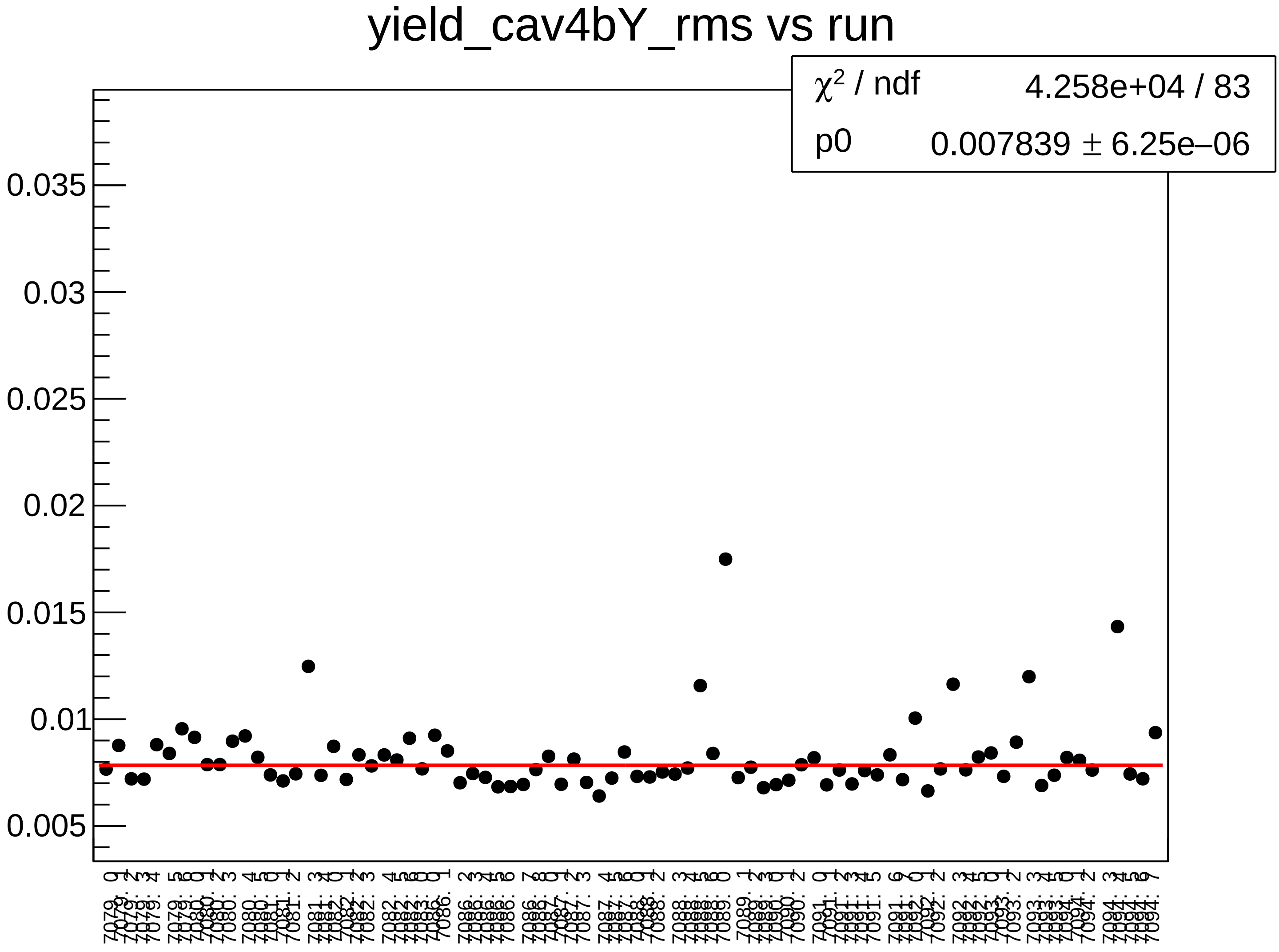


yield_cav4bX_mean vs run
χ^2 / ndf 4.13e+05 / 83
p0 −0.6003 ± 3.201e−05
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
pull
Entries 84
Mean 8.1
Std Dev 30.53
150
100
50
0
−50
−100
−150
pull1D
Entries 84
Mean 1.949
Std Dev 4.574
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

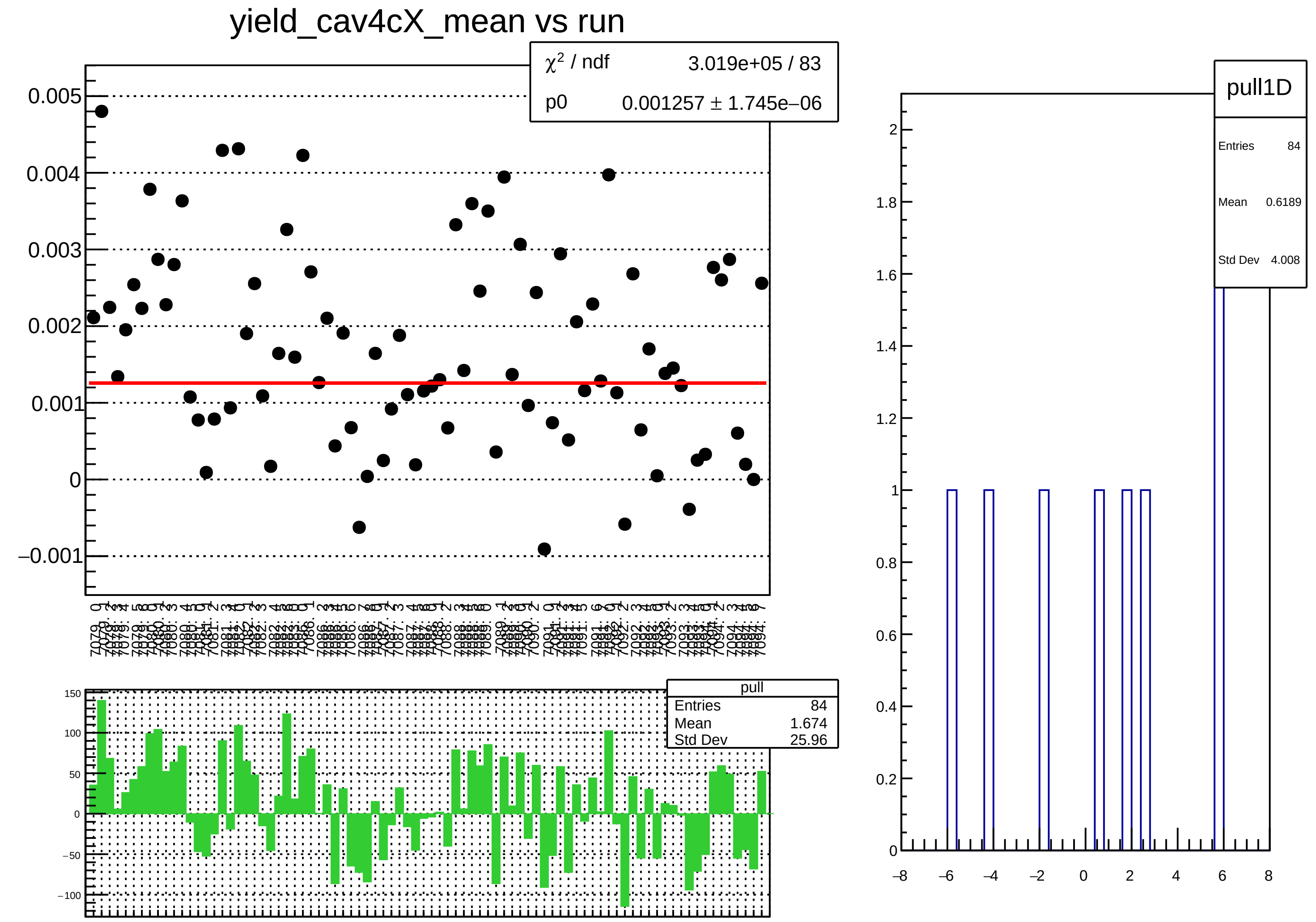


yield_cav4bX_rms vs run
χ² / ndf 2.265e+05 / 83
p0 0.02668 ± 2.264e−05
0.02
0.03
0.04
0.05
0.06
0.07

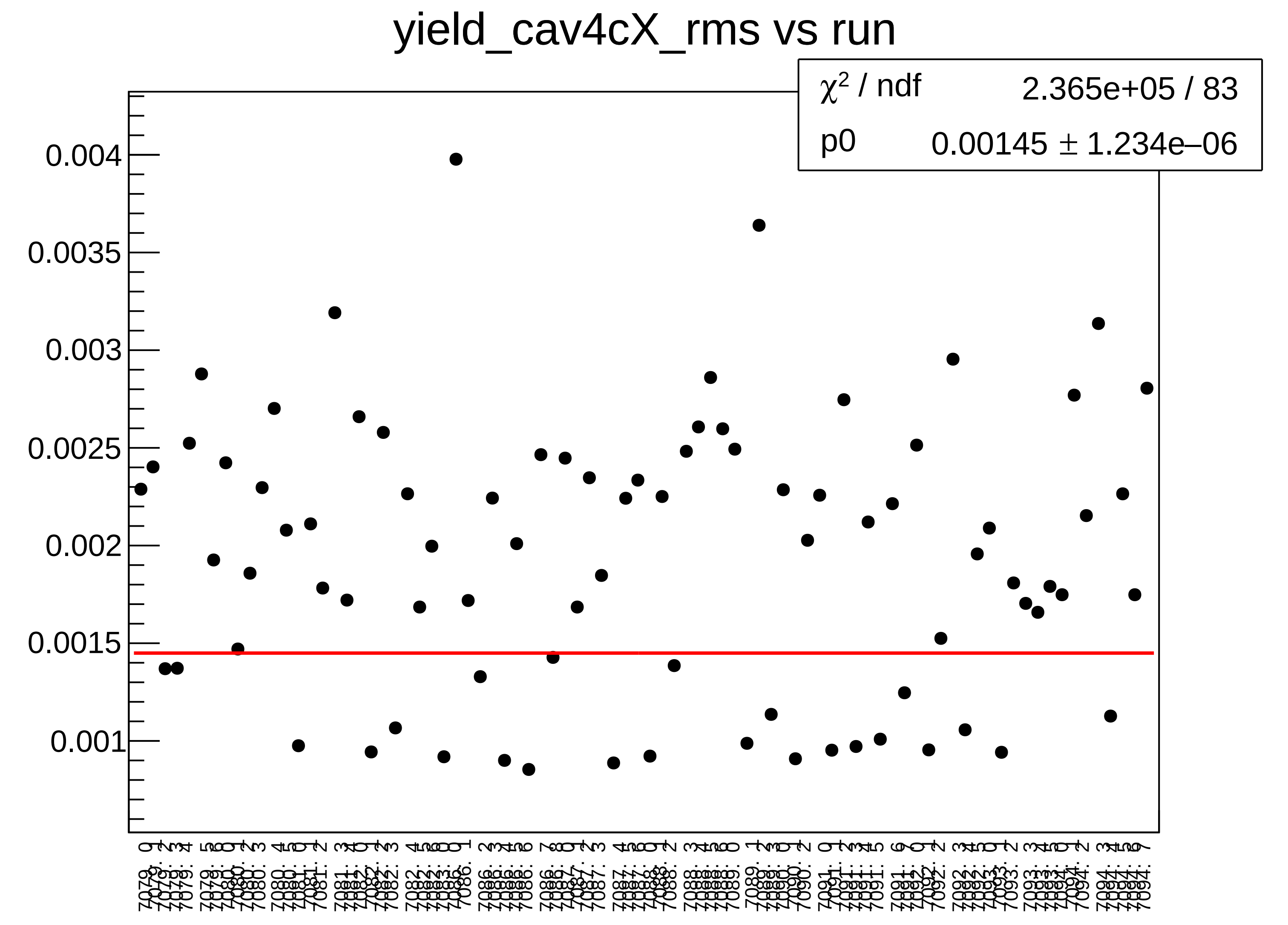

yield_cav4bY_mean vs run
χ^2 / ndf 1.643e+05 / 83
p0 −0.7794 ± 8.839e−06
pull
Entries 84
Mean 5198
Std Dev 5161
pull1D
Entries 84
Mean 0.02555
Std Dev 4.739

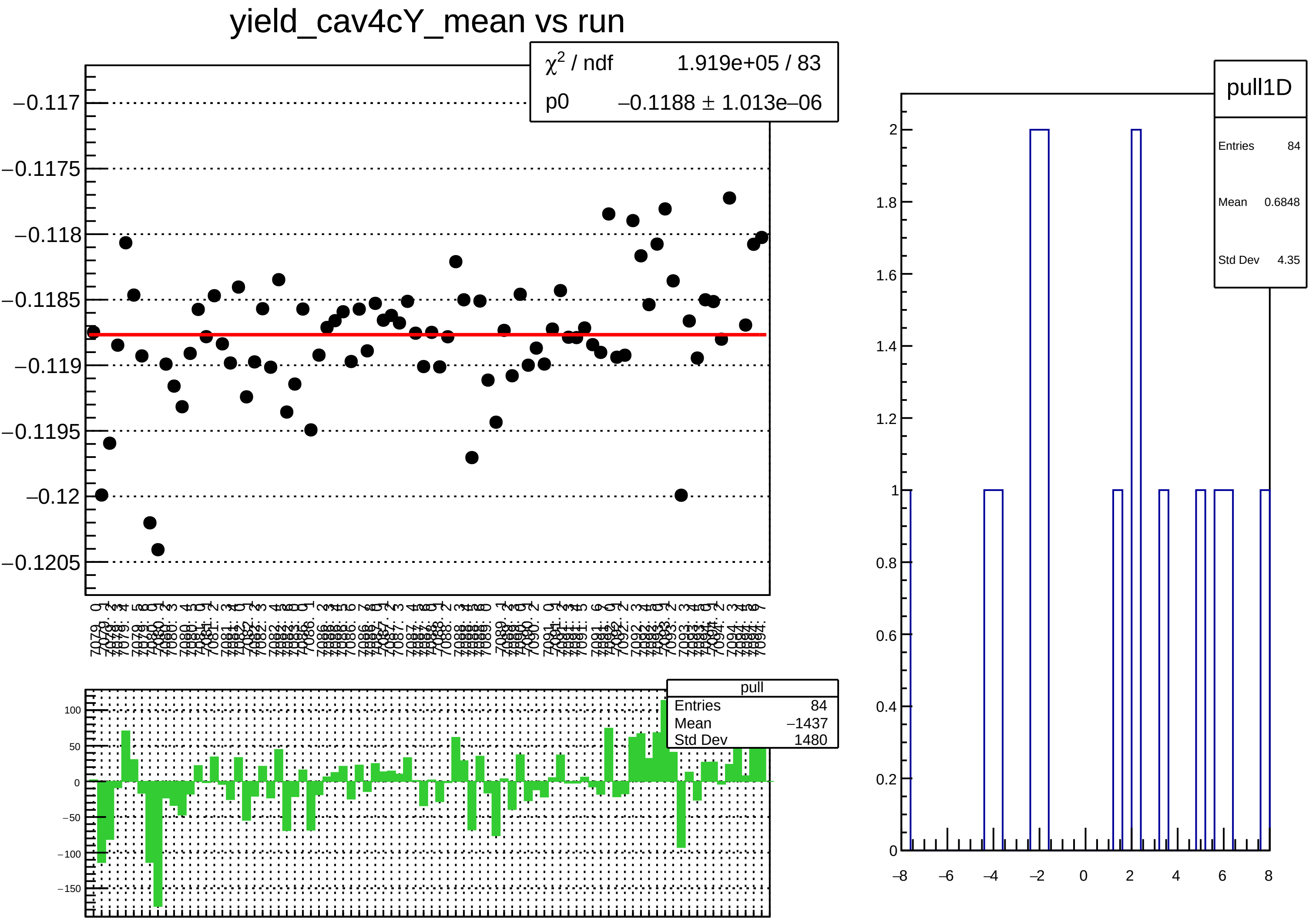


yield_cav4bY_rms vs run
χ^2 / ndf 4.258e+04 / 83
p0 0.007839 ± 6.25e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

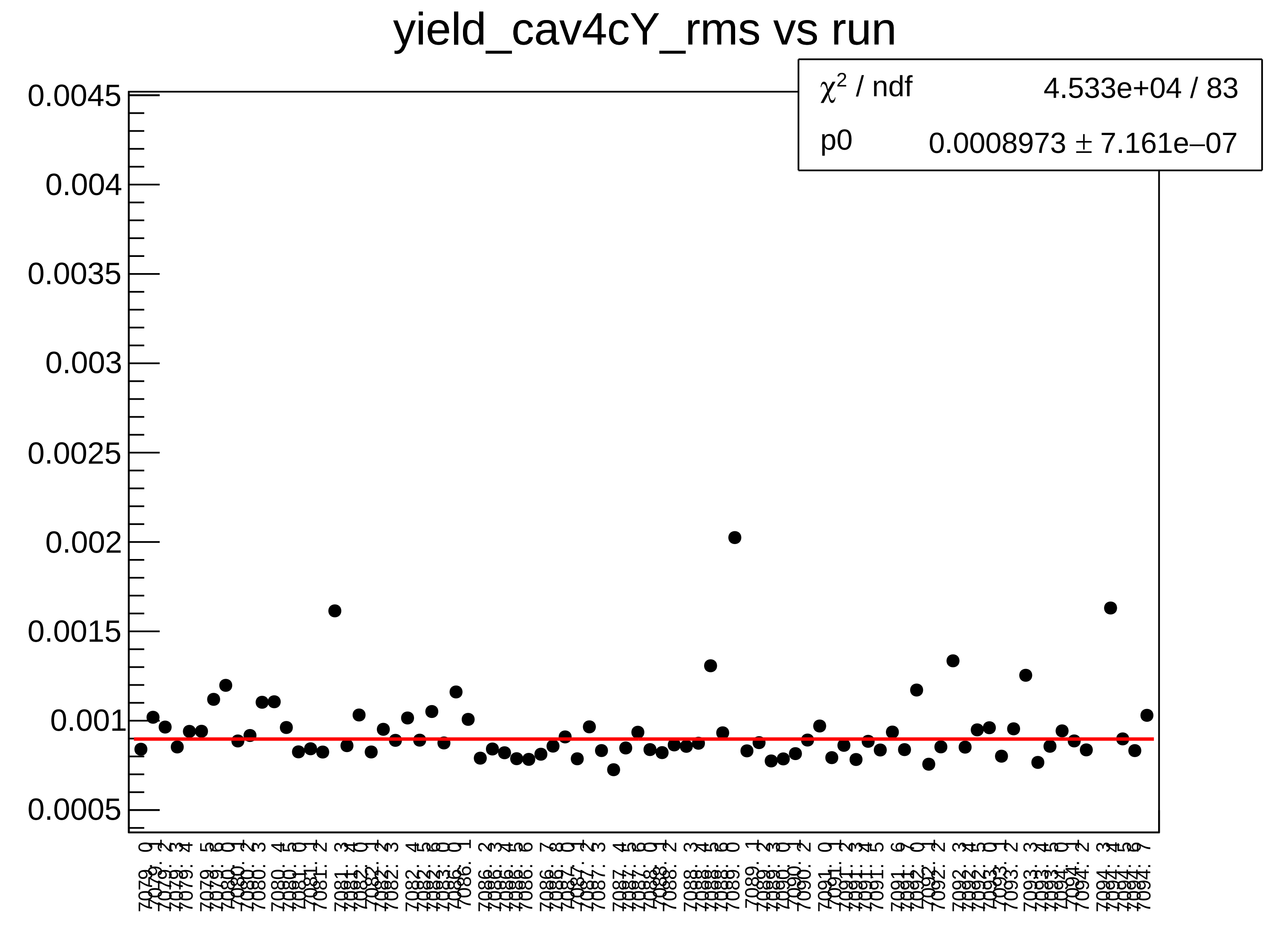


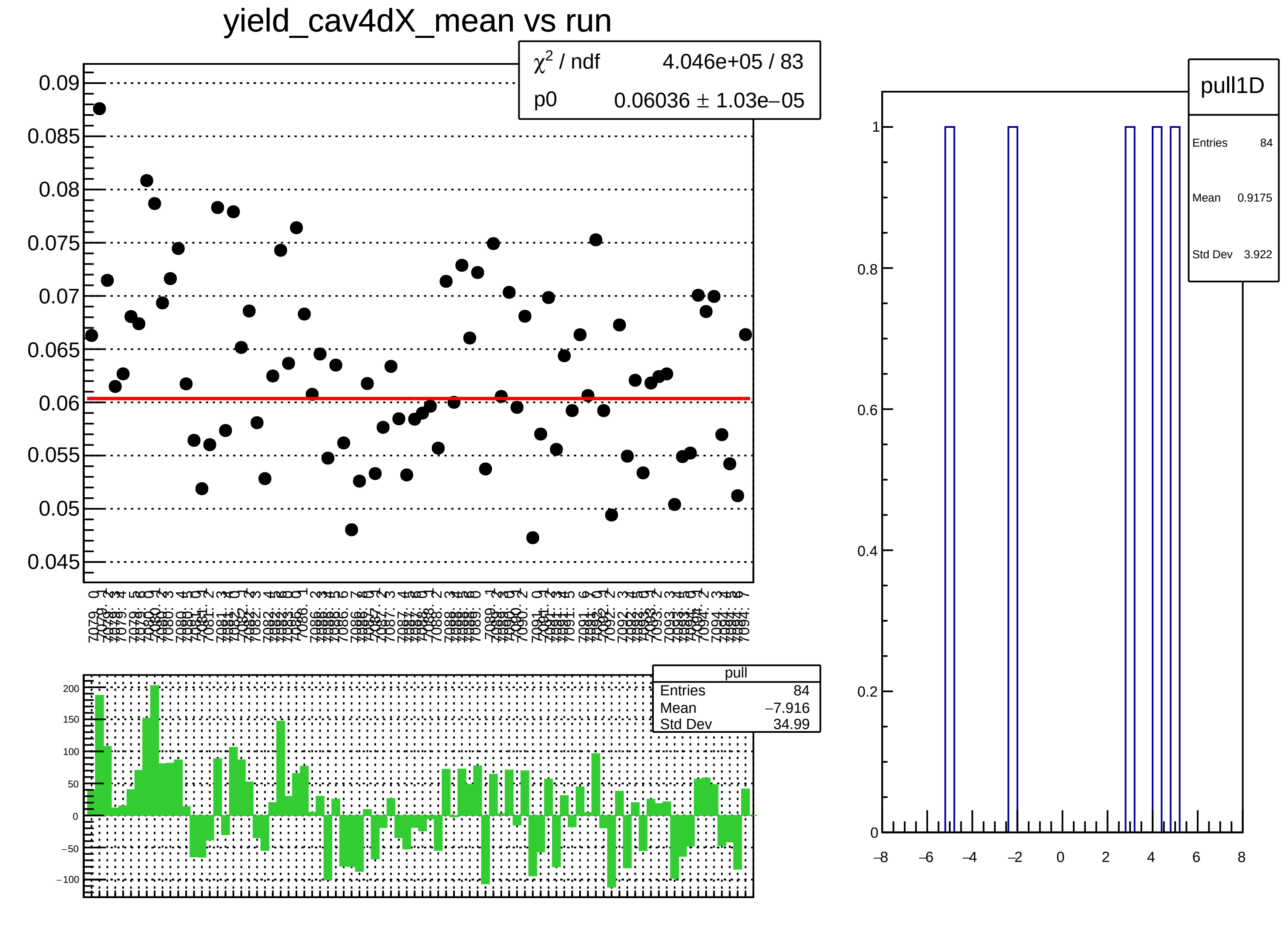
yield_cav4cX_mean vs run
χ^2 / ndf 3.019e+05 / 83
p0 0.001257 ± 1.745e−06
pull
Entries 84
Mean 1.674
Std Dev 25.96
pull1D
Entries 84
Mean 0.6189
Std Dev 4.008


yield_cav4cX_rms vs run
χ2 / ndf 2.365e+05 / 83
p0 0.00145 ± 1.234e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001

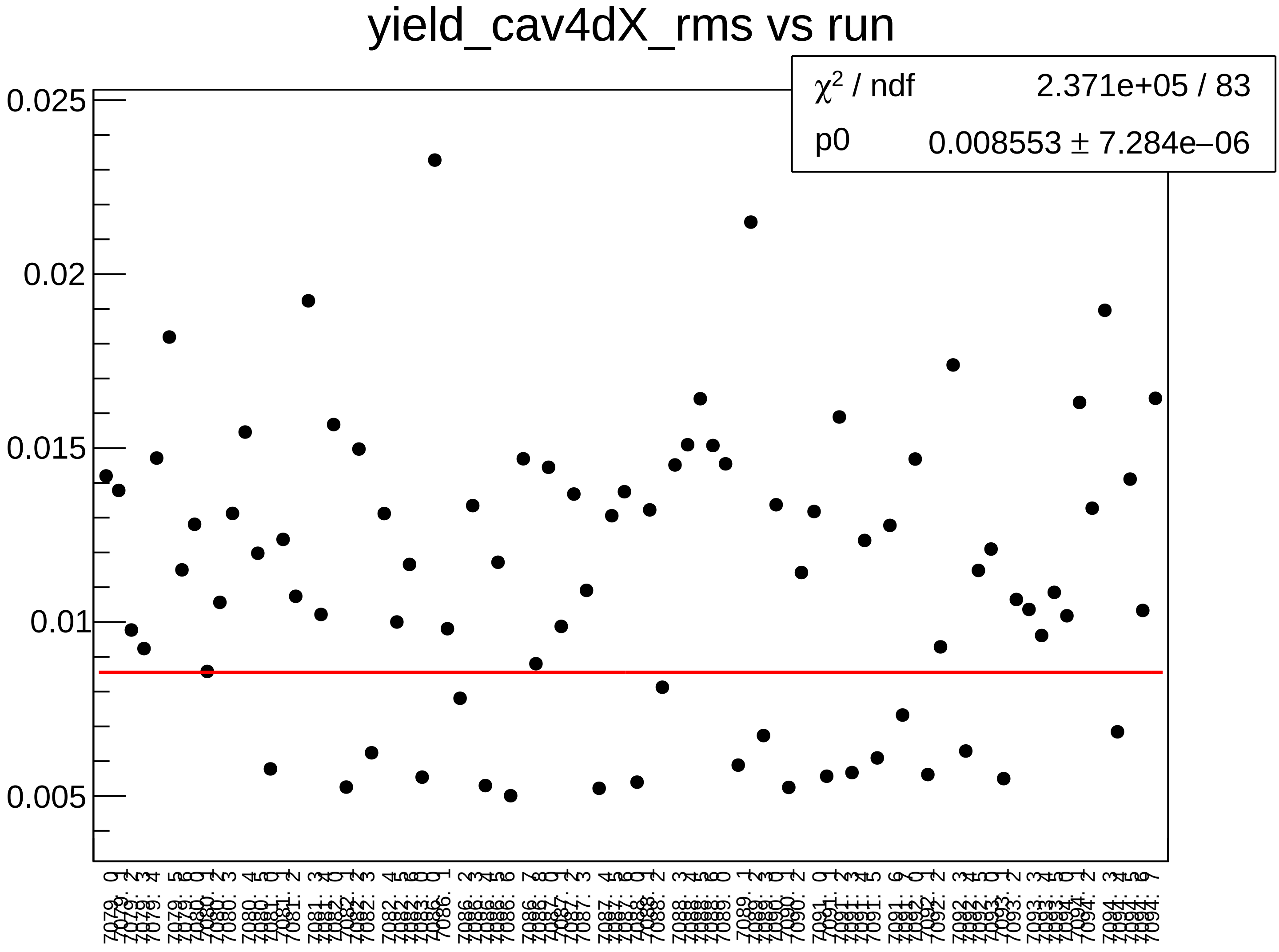


yield_cav4cY_mean vs run
χ^2 / ndf 1.919e+05 / 83
p0 −0.1188 ± 1.013e−06
pull
Entries 84
Mean −1437
Std Dev 1480
pull1D
Entries 84
Mean 0.6848
Std Dev 4.35

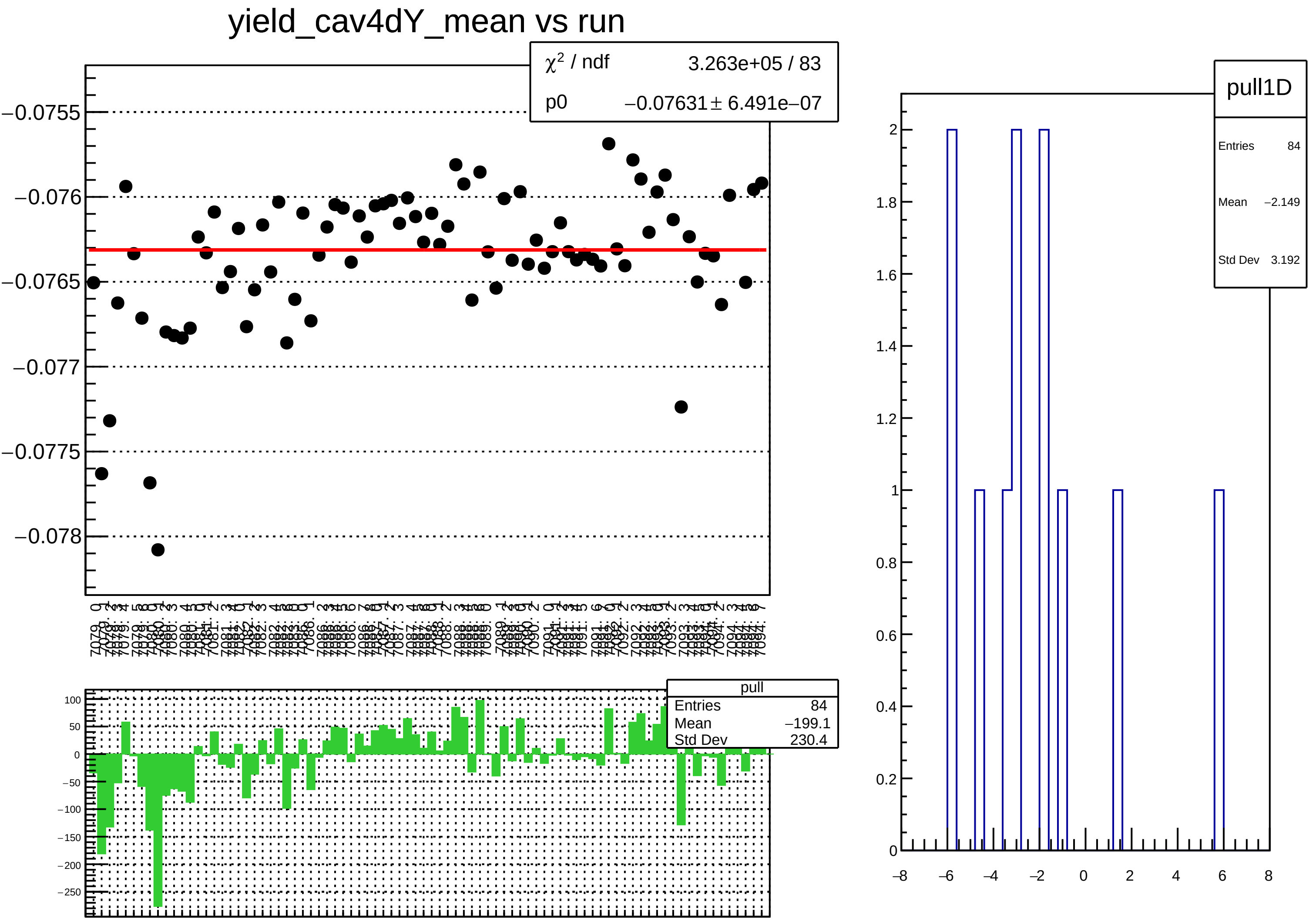

yield_cav4cY_rms vs run
χ2 / ndf 4.533e+04 / 83
p0 0.0008973 ± 7.161e−07
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005



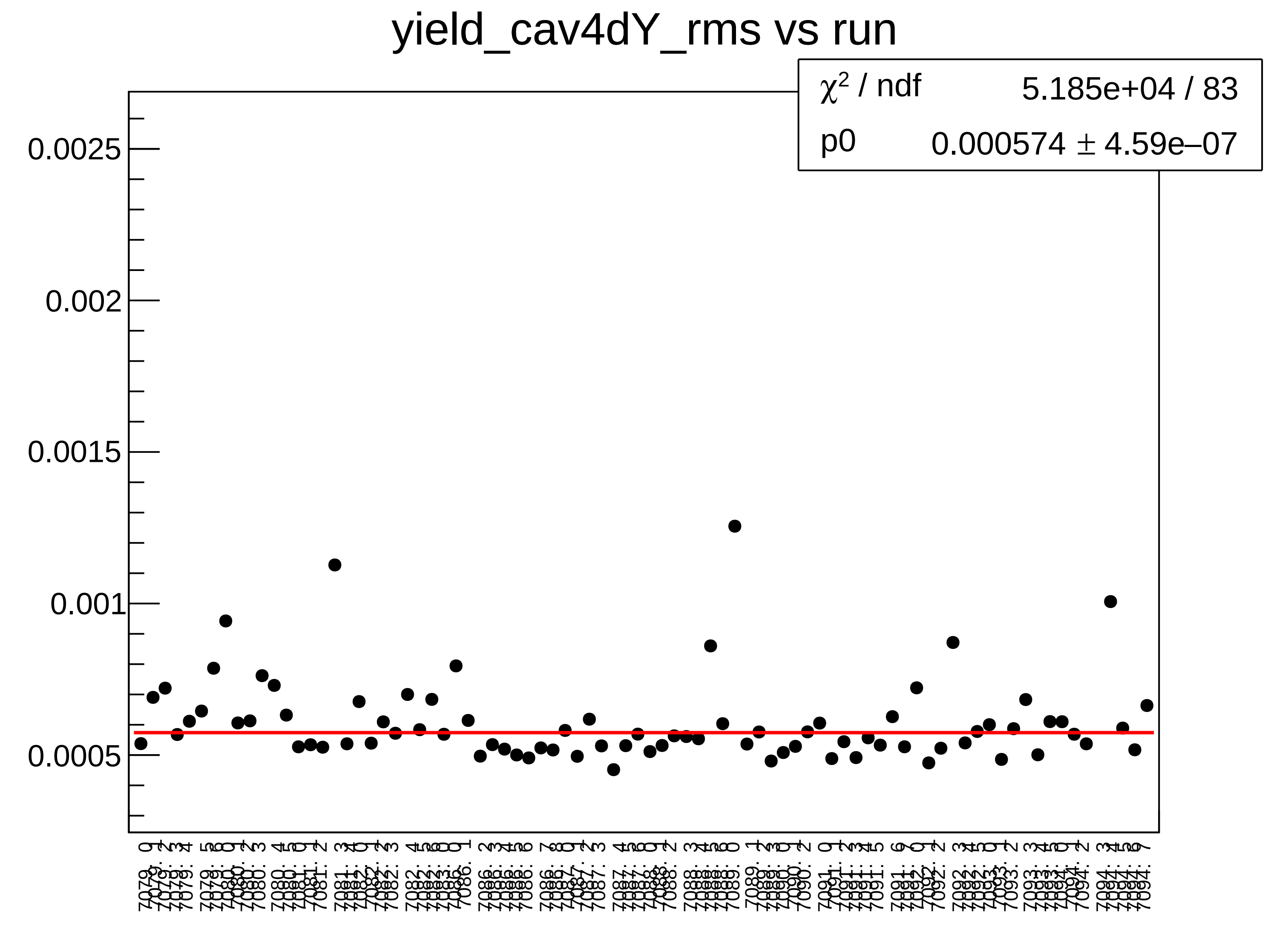
yield_cav4dX_mean vs run
χ2 / ndf 4.046e+05 / 83
p0 0.06036 ± 1.03e−05
0.09
0.085
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
pull
Entries 84
Mean −7.916
Std Dev 34.99
200
150
100
50
0
−50
−100
pull1D
Entries 84
Mean 0.9175
Std Dev 3.922
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



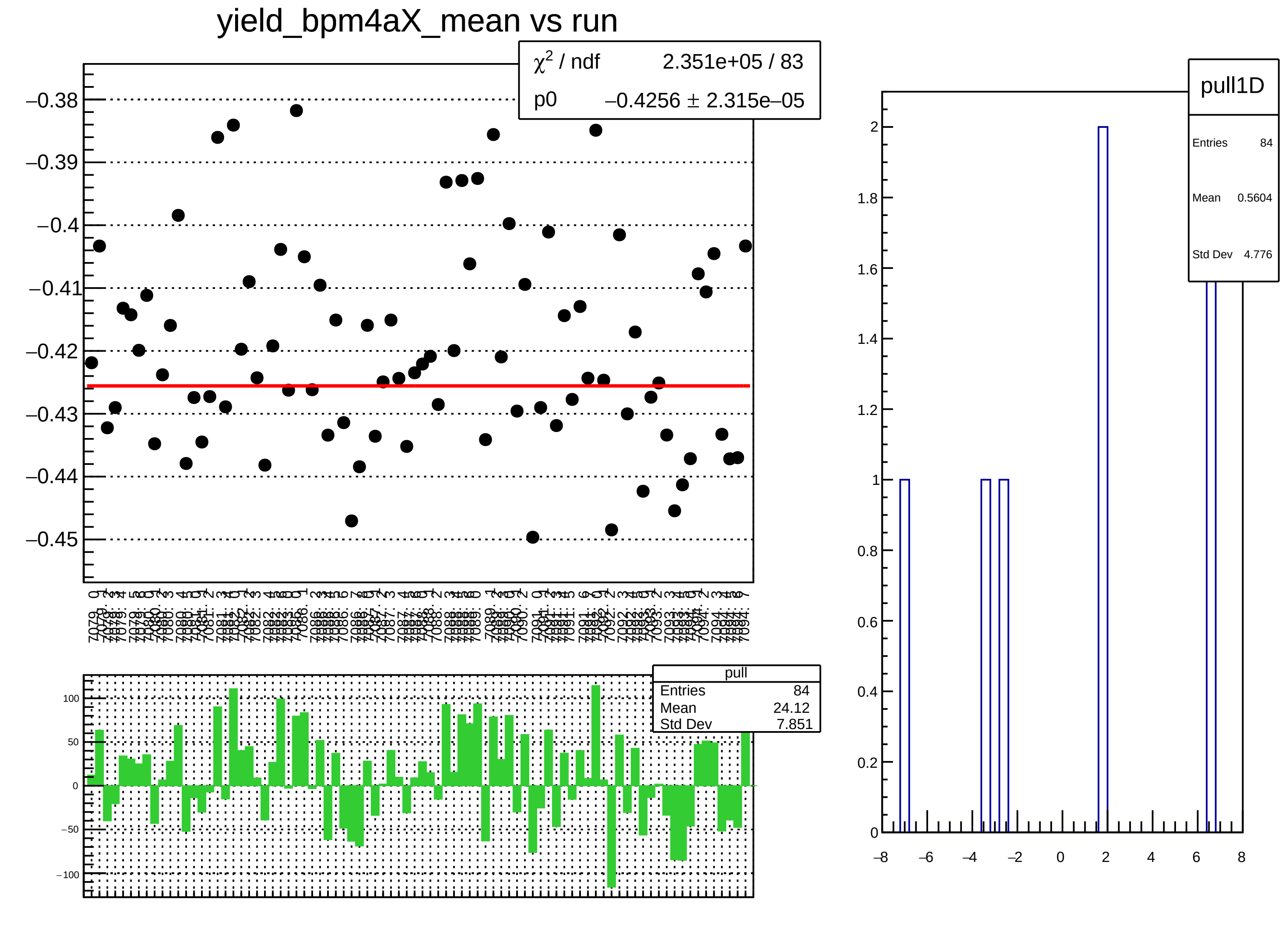
yield_cav4dX_rms vs run
χ^2 / ndf 2.371e+05 / 83
p0 0.008553 ± 7.284e−06
0.025
0.02
0.015
0.01
0.005



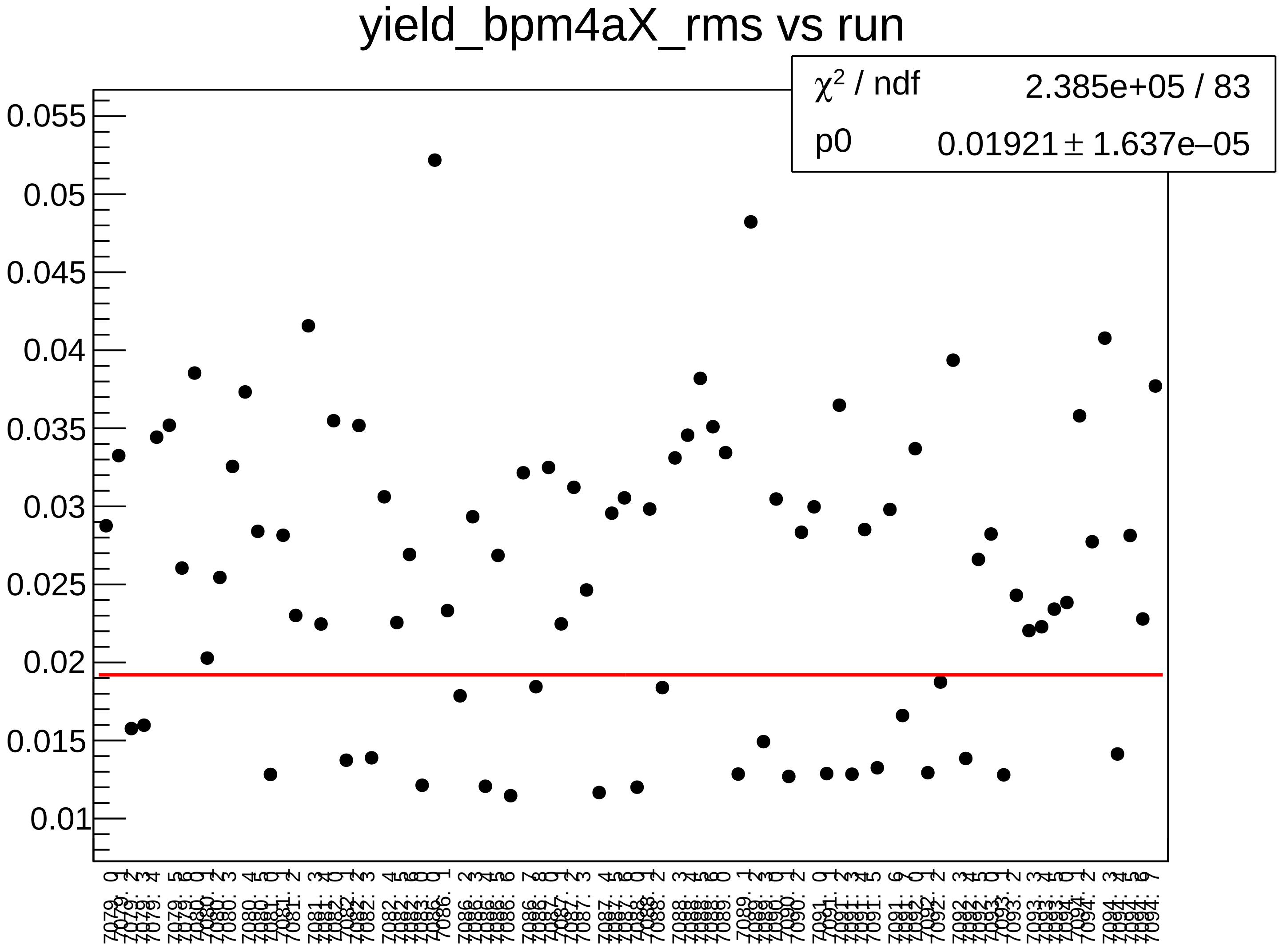
yield_cav4dY_mean vs run
χ^2 / ndf 3.263e+05 / 83
p0 −0.07631 ± 6.491e−07
pull
Entries 84
Mean −199.1
Std Dev 230.4
pull1D
Entries 84
Mean −2.149
Std Dev 3.192



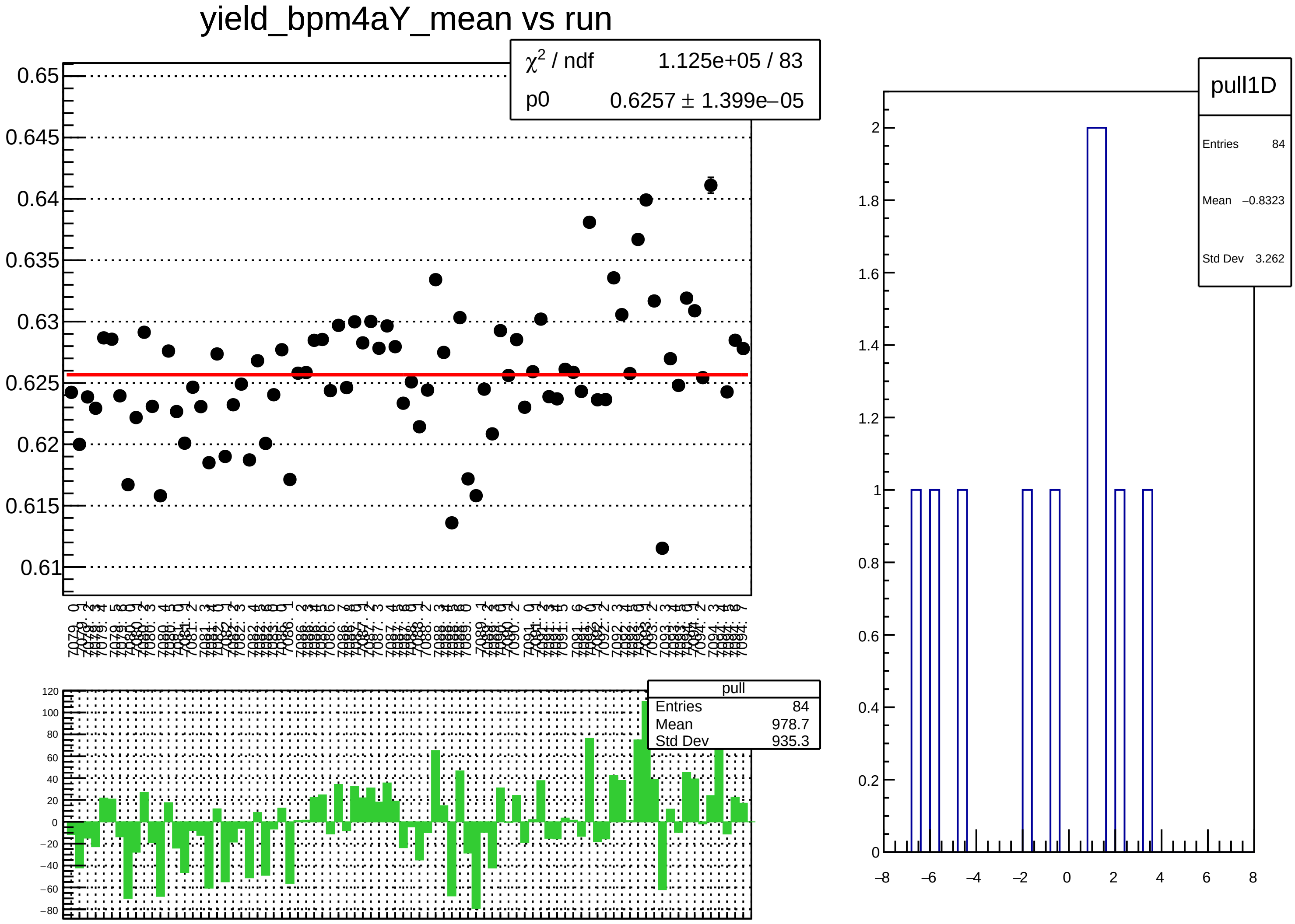
yield_cav4dY_rms vs run
χ^2 / ndf 5.185e+04 / 83
p0 0.000574 ± 4.59e−07
0.0025
0.002
0.0015
0.001
0.0005



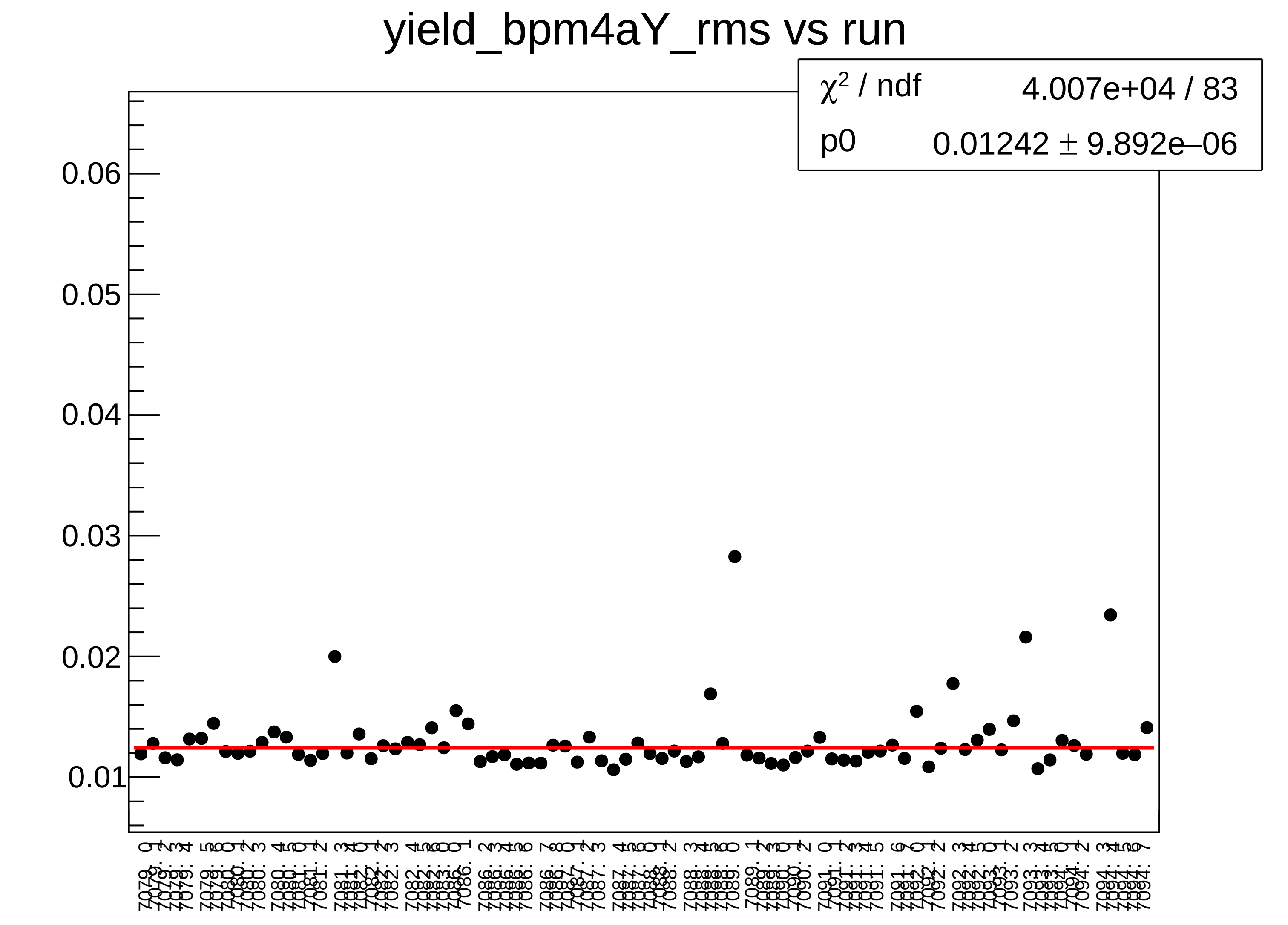
yield_bpm4aX_mean vs run
χ2 / ndf 2.351e+05 / 83
p0 −0.4256 ± 2.315e−05
pull
Entries 84
Mean 24.12
Std Dev 7.851
pull1D
Entries 84
Mean 0.5604
Std Dev 4.776



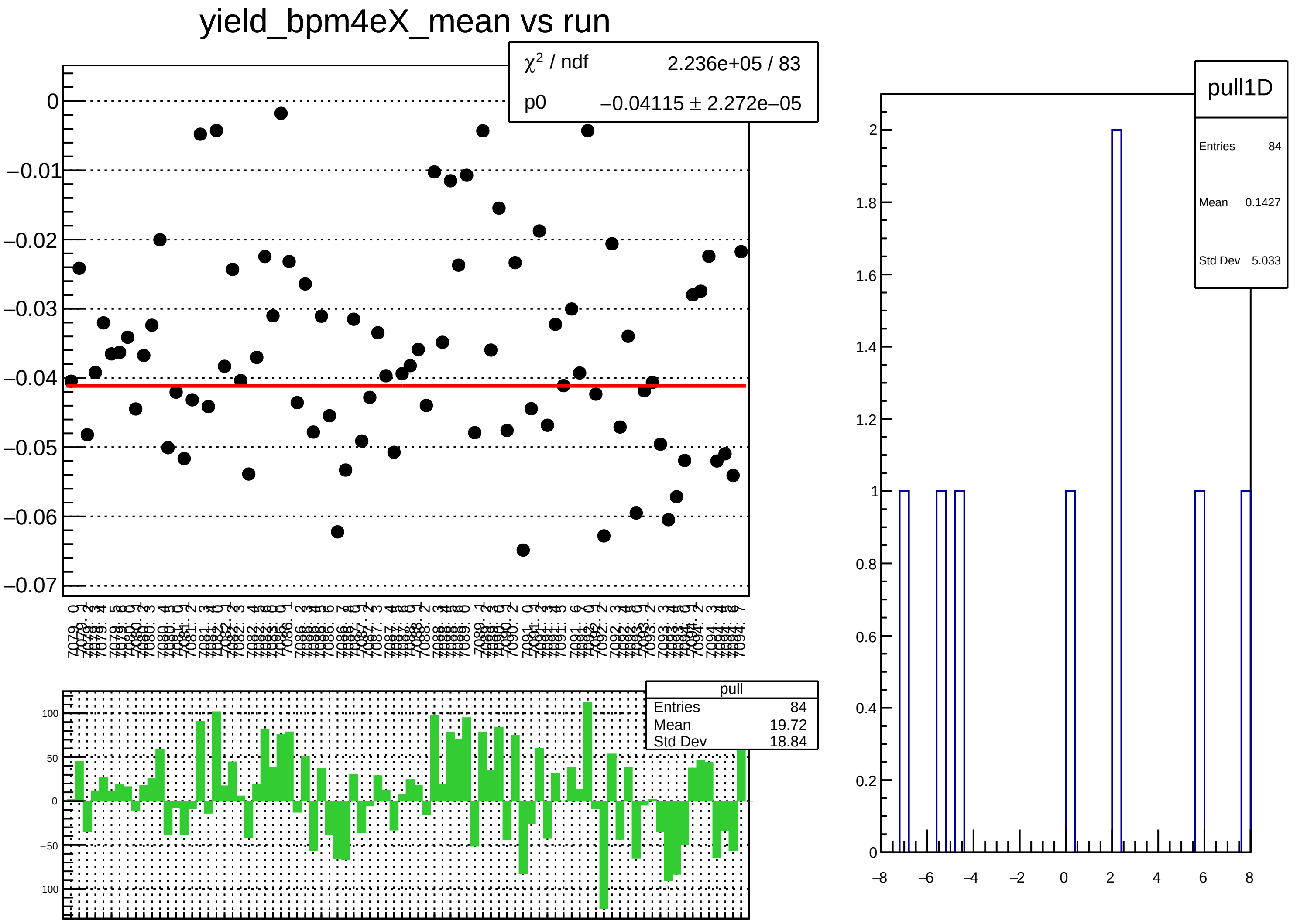
yield_bpm4aX_rms vs run
χ^2 / ndf 2.385e+05 / 83
p0 0.01921 ± 1.637e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01



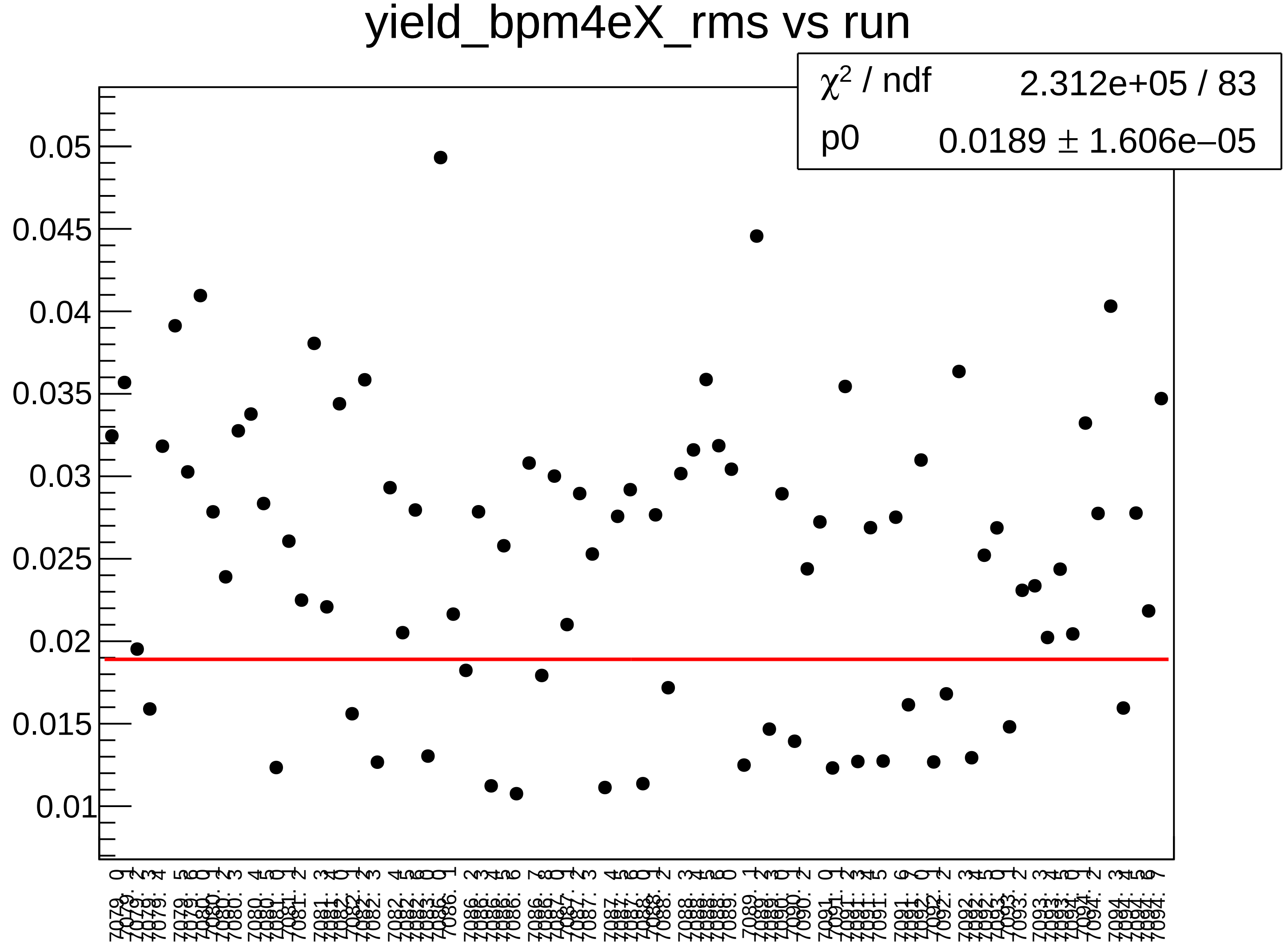
yield_bpm4aY_mean vs run
χ^2 / ndf 1.125e+05 / 83
p0 0.6257 ± 1.399e−05
pull
Entries 84
Mean 978.7
Std Dev 935.3
pull1D
Entries 84
Mean −0.8323
Std Dev 3.262

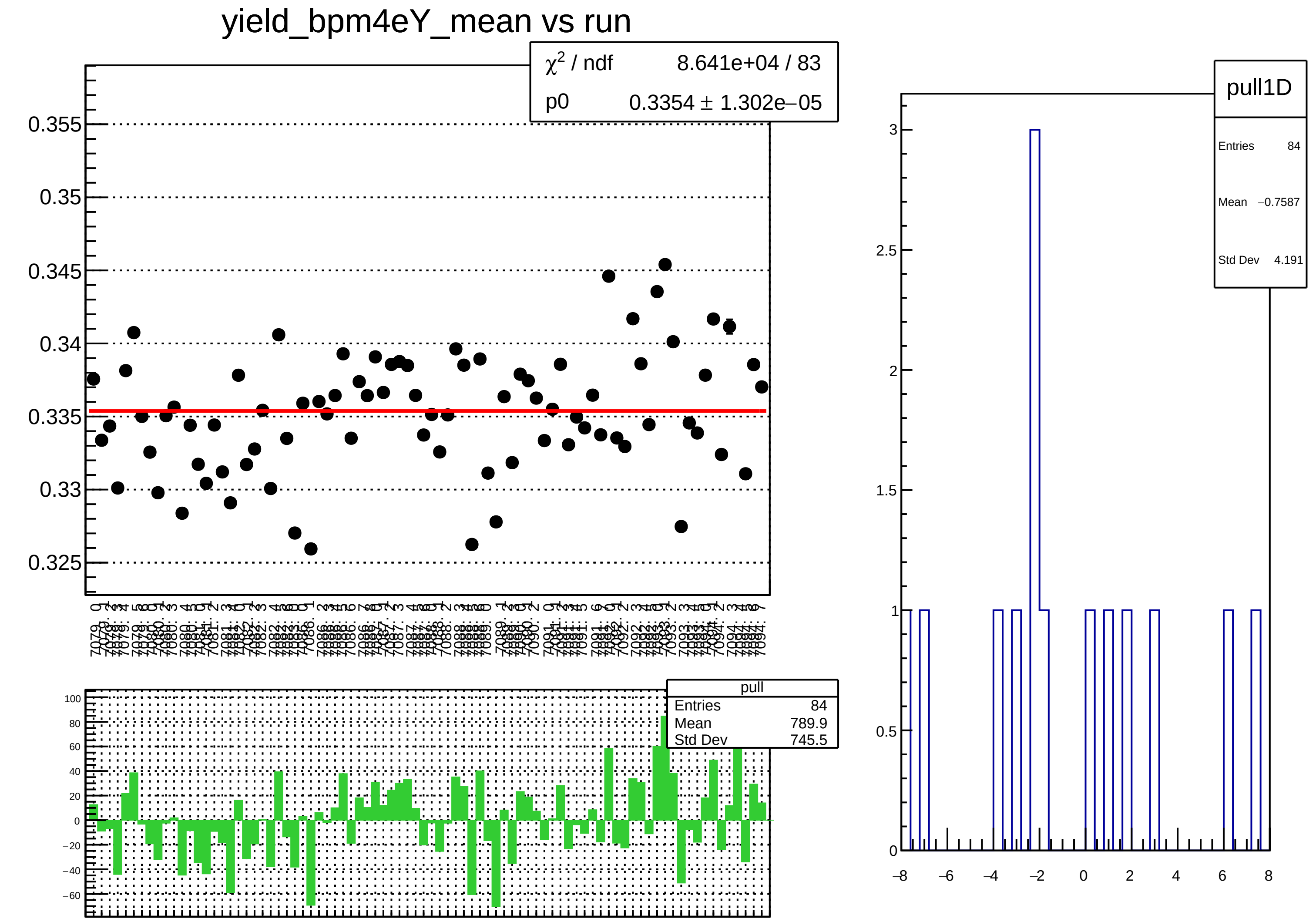


yield_bpm4aY_rms vs run
χ^2 / ndf 4.007e+04 / 83
p0 0.01242 ± 9.892e–06
0.06
0.05
0.04
0.03
0.02
0.01

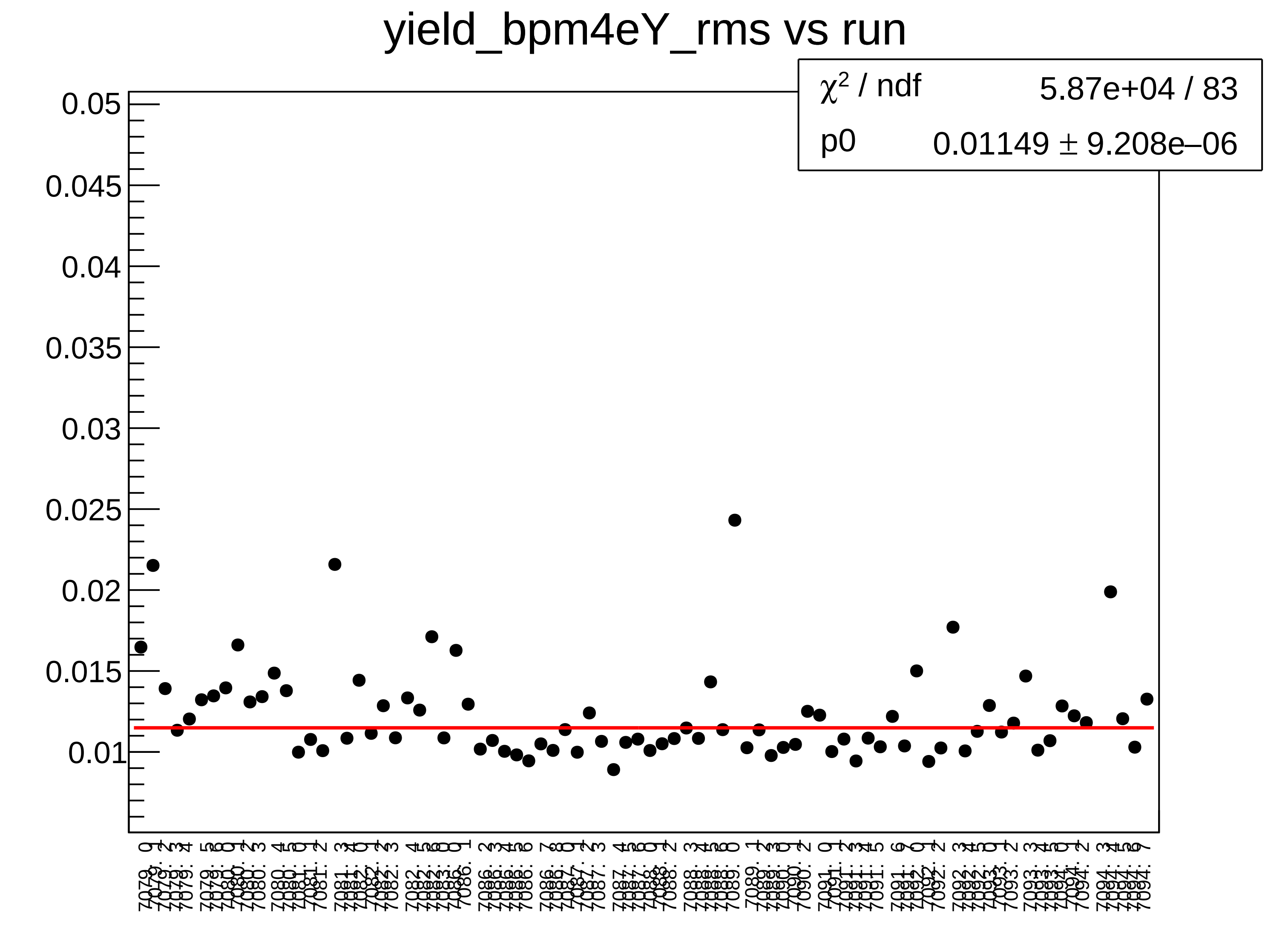


yield_bpm4eX_mean vs run
χ^2 / ndf 2.236e+05 / 83
p0 −0.04115 ± 2.272e−05
pull
Entries 84
Mean 19.72
Std Dev 18.84
pull1D
Entries 84
Mean 0.1427
Std Dev 5.033

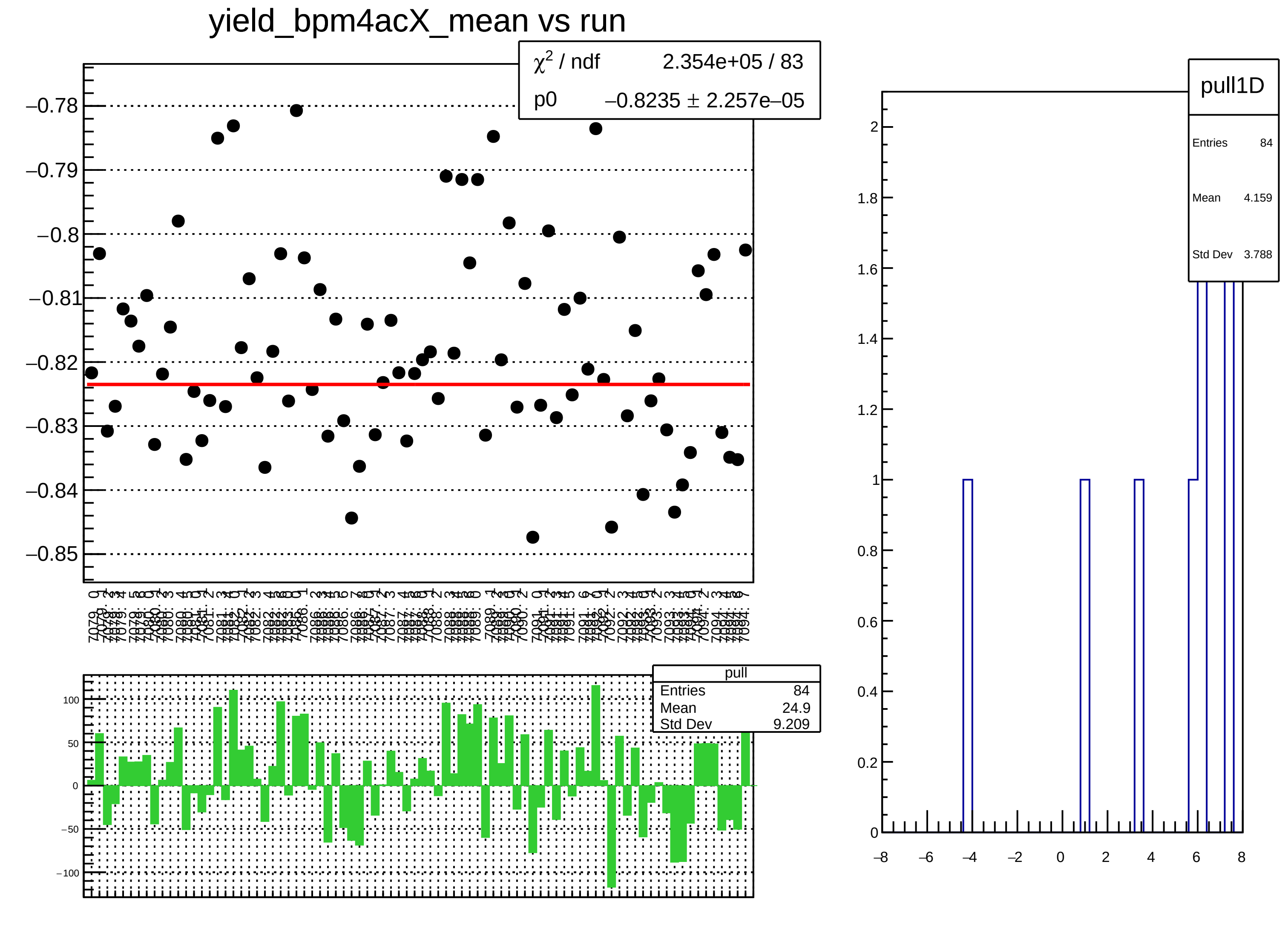

yield_bpm4eX_rms vs run
χ2 / ndf 2.312e+05 / 83
p0 0.0189 ± 1.606e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01



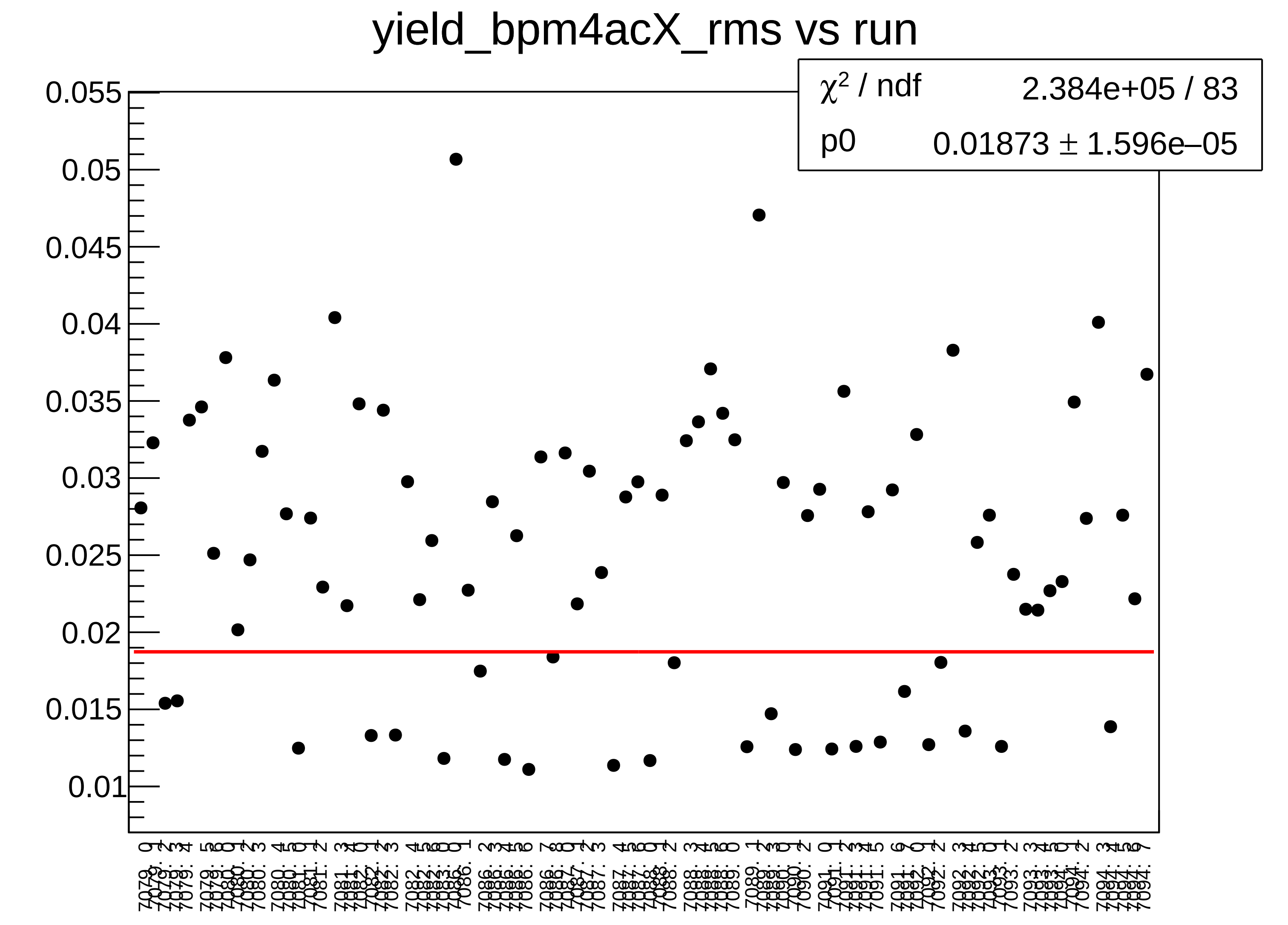
yield_bpm4eY_mean vs run
χ^2 / ndf 8.641e+04 / 83
p0 0.3354 ± 1.302e−05
0.355
0.35
0.345
0.34
0.335
0.33
0.325
pull
Entries 84
Mean 789.9
Std Dev 745.5
100
80
60
40
20
0
−20
−40
−60
pull1D
Entries 84
Mean −0.7587
Std Dev 4.191
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8



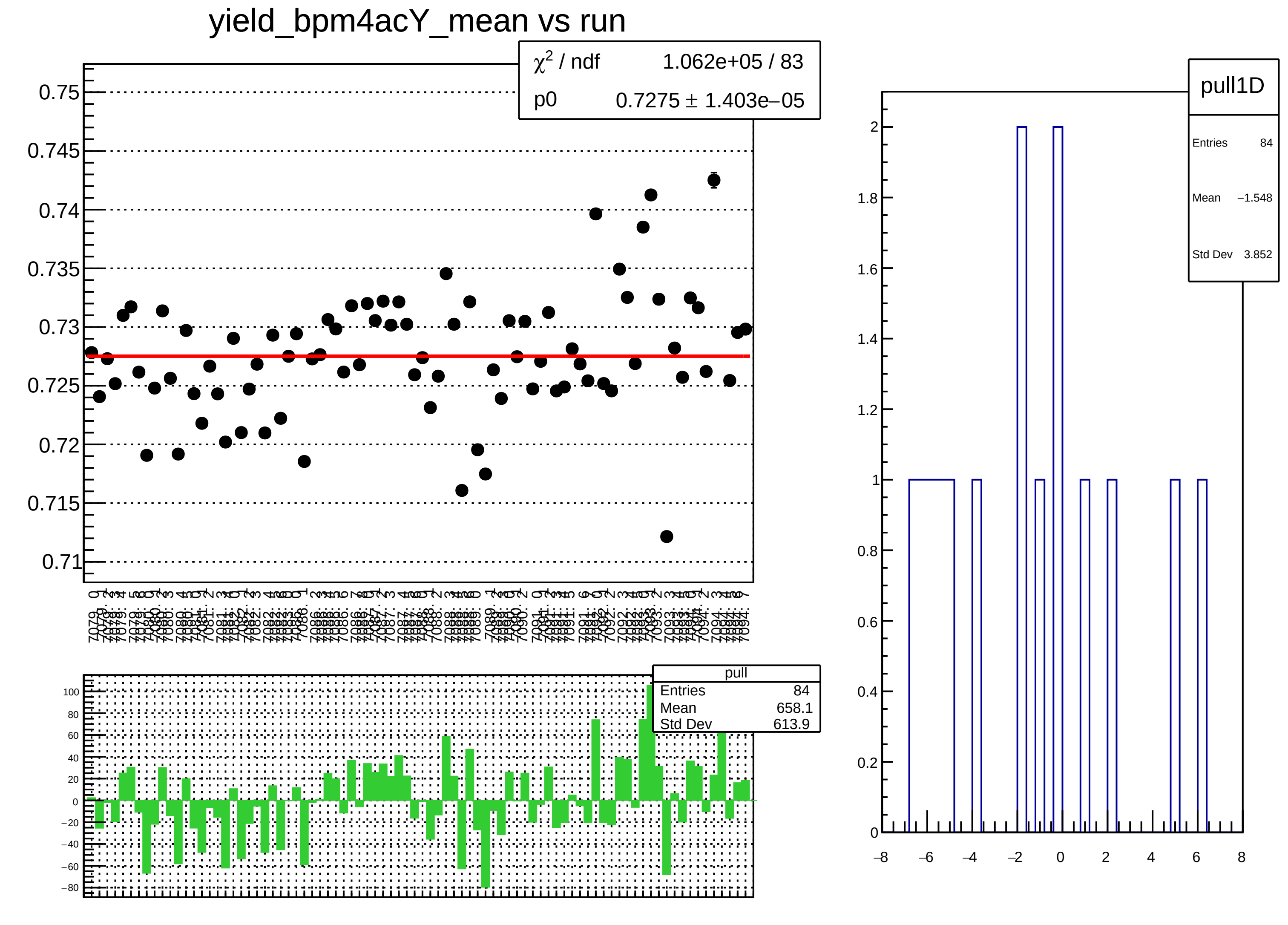
yield_bpm4eY_rms vs run
χ^2 / ndf 5.87e+04 / 83
p0 0.01149 ± 9.208e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01



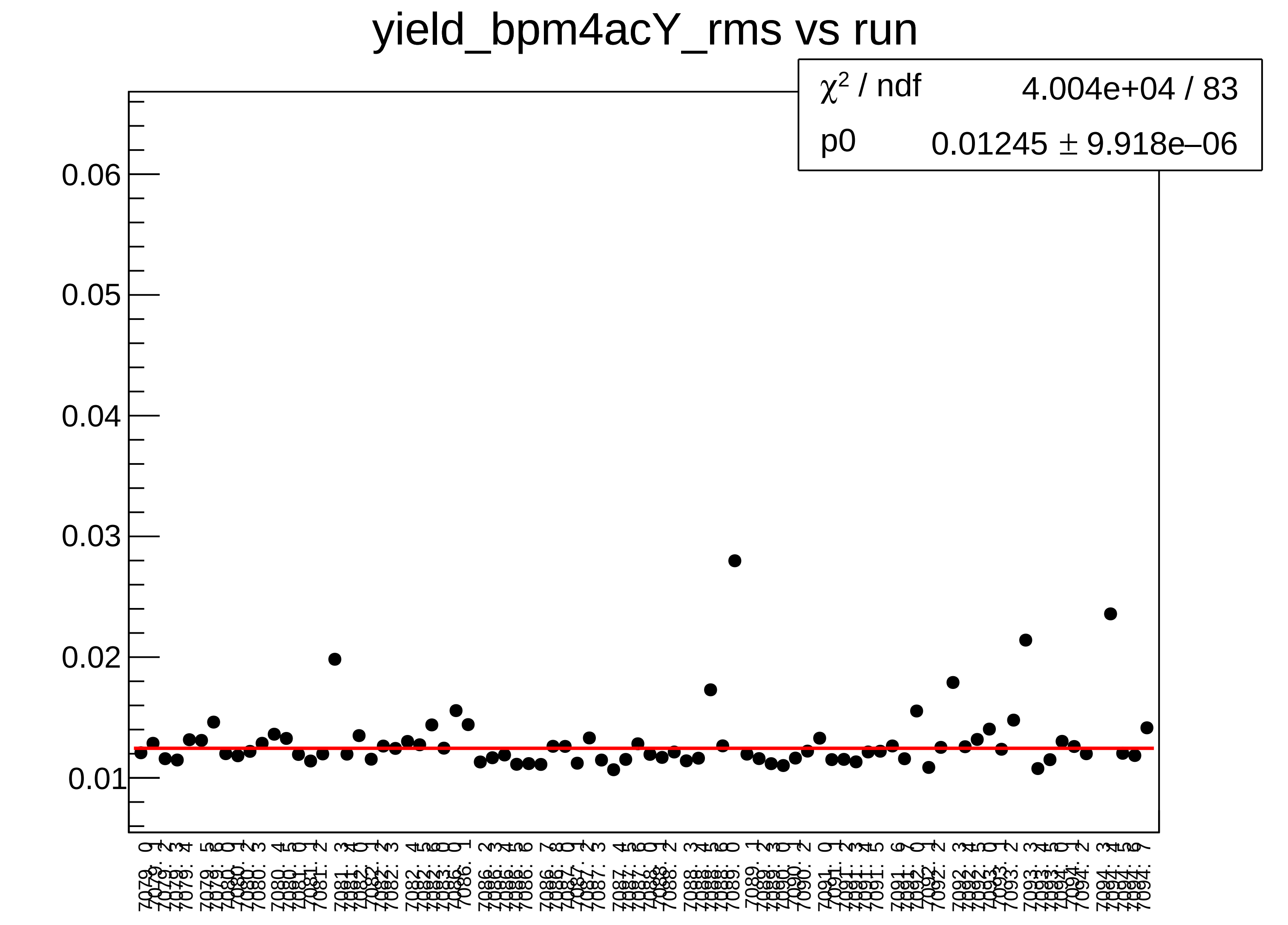
yield_bpm4acX_mean vs run
χ^2 / ndf 2.354e+05 / 83
p0 −0.8235 ± 2.257e−05
pull
Entries 84
Mean 24.9
Std Dev 9.209
pull1D
Entries 84
Mean 4.159
Std Dev 3.788

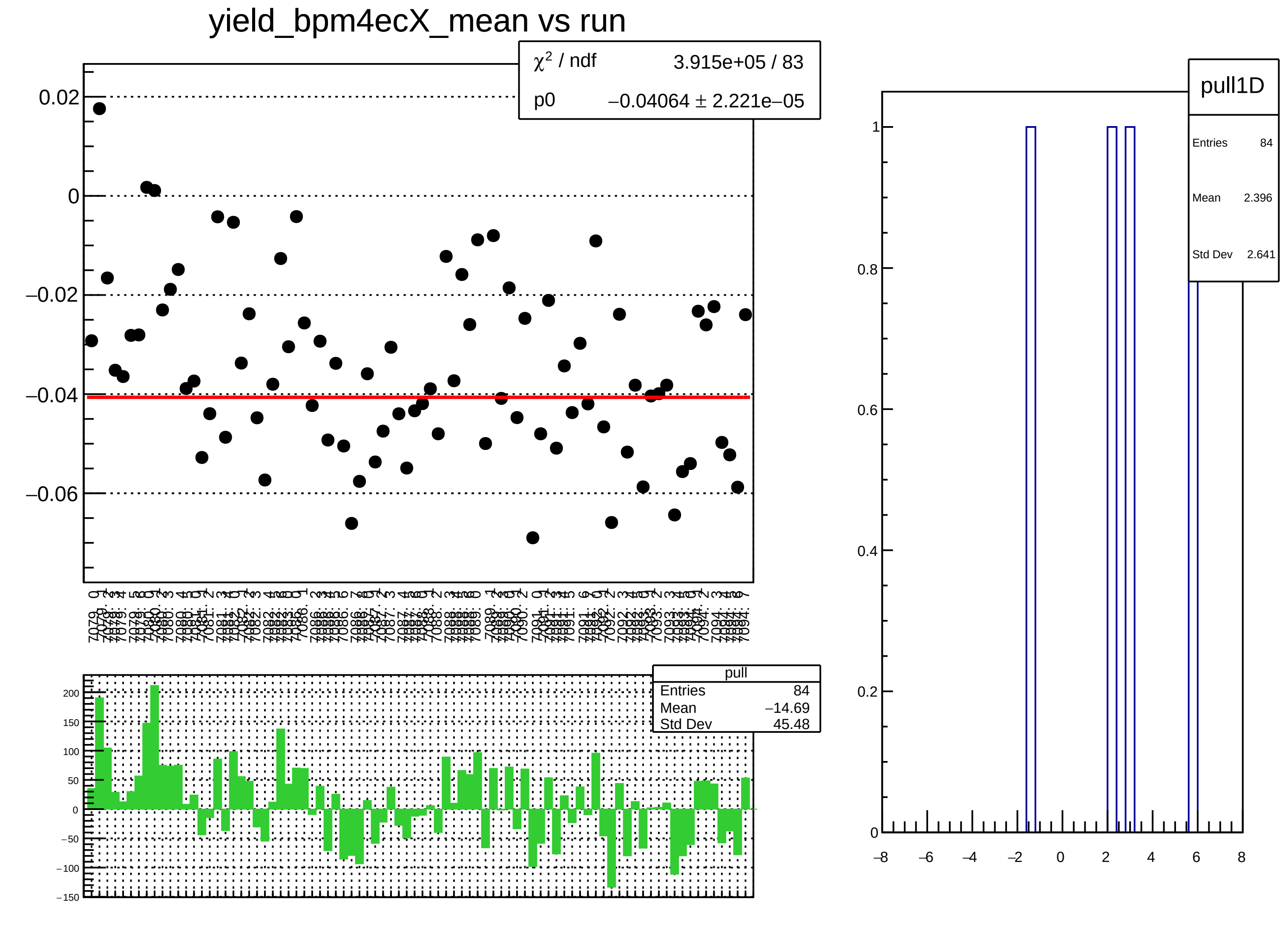


yield_bpm4acX_rms vs run
χ^2 / ndf 2.384e+05 / 83
p0 0.01873 ± 1.596e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

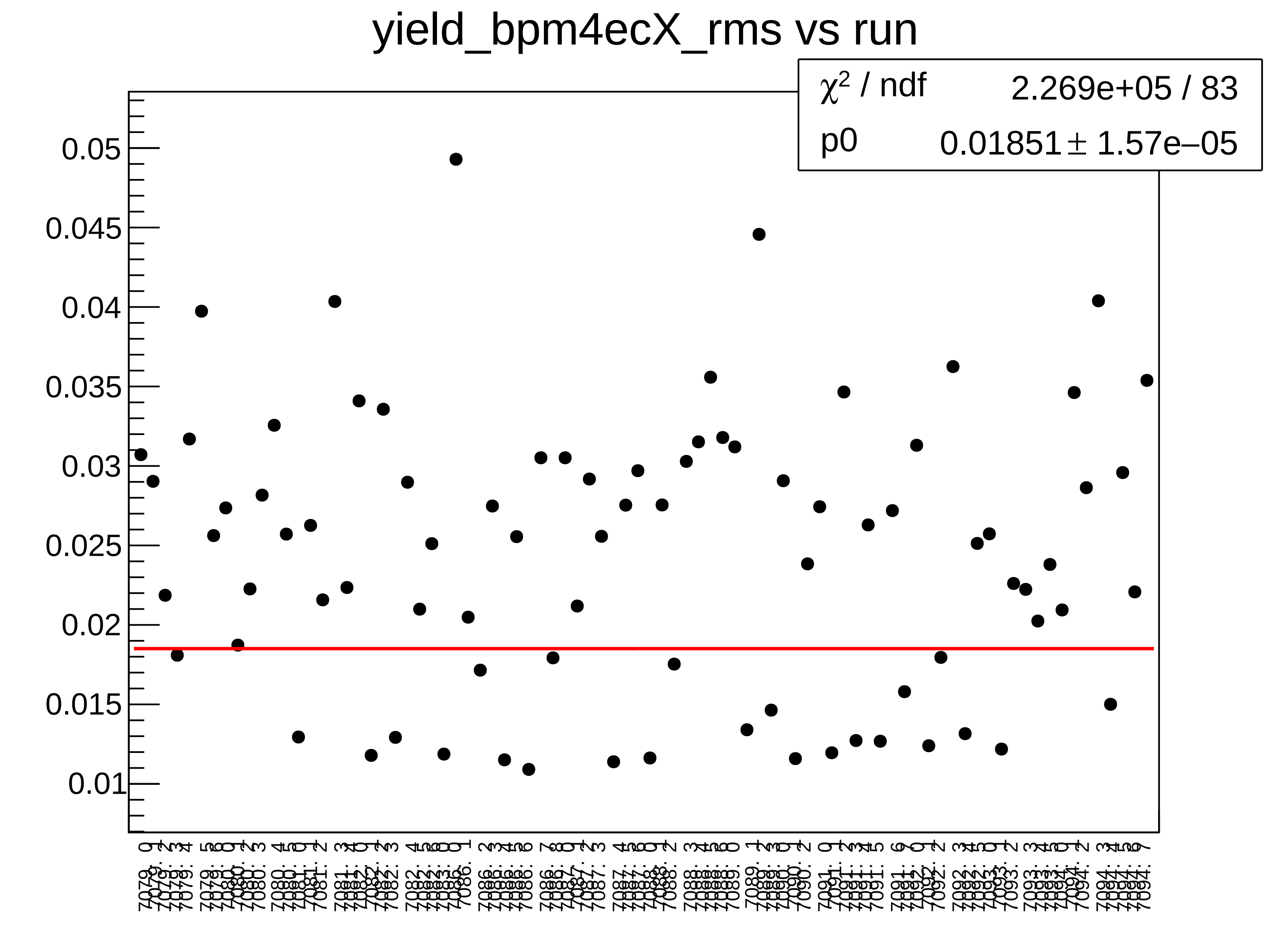


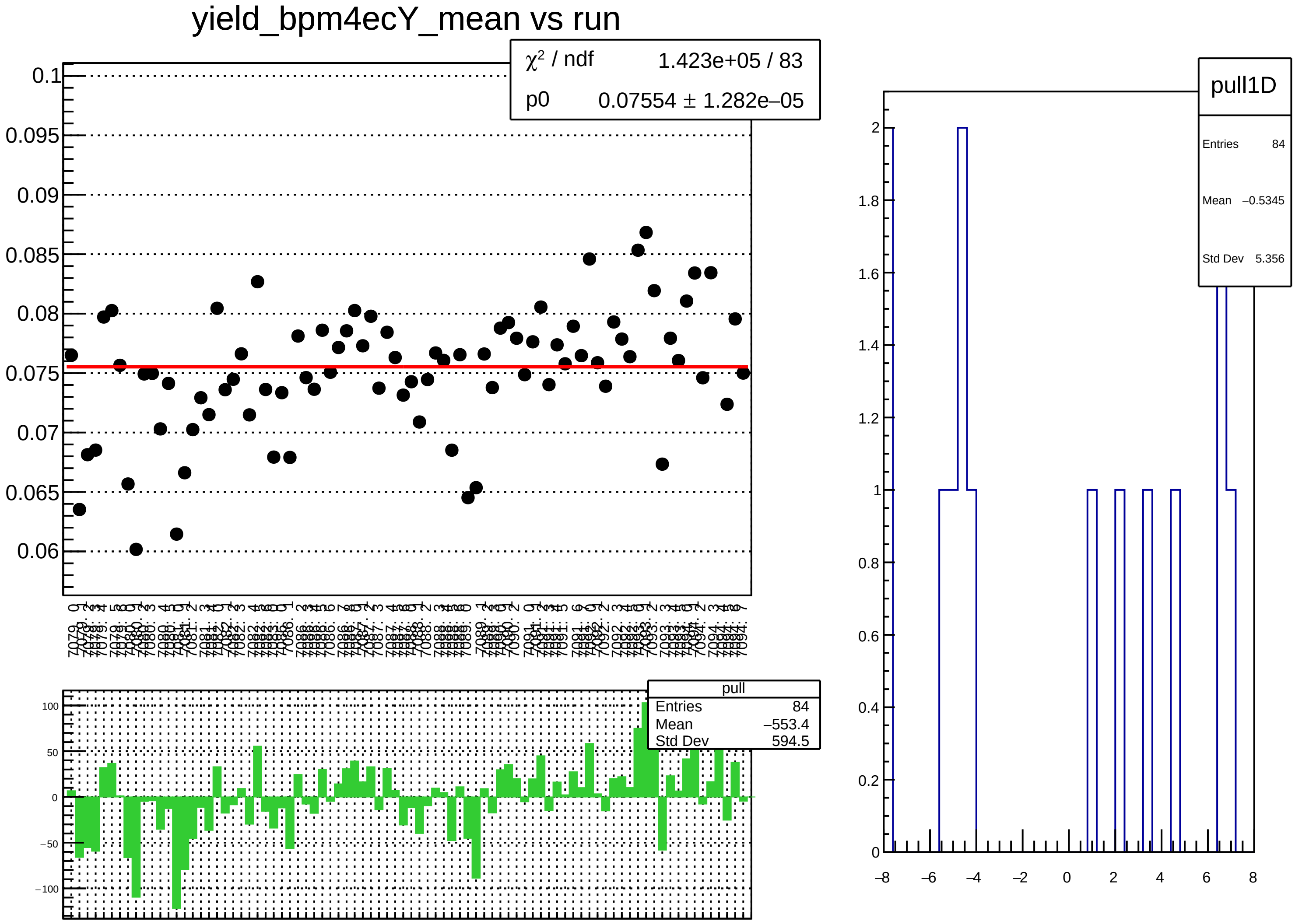
yield_bpm4acY_mean vs run
χ^2 / ndf 1.062e+05 / 83
p0 0.7275 ± 1.403e−05
pull
Entries 84
Mean 658.1
Std Dev 613.9
pull1D
Entries 84
Mean −1.548
Std Dev 3.852

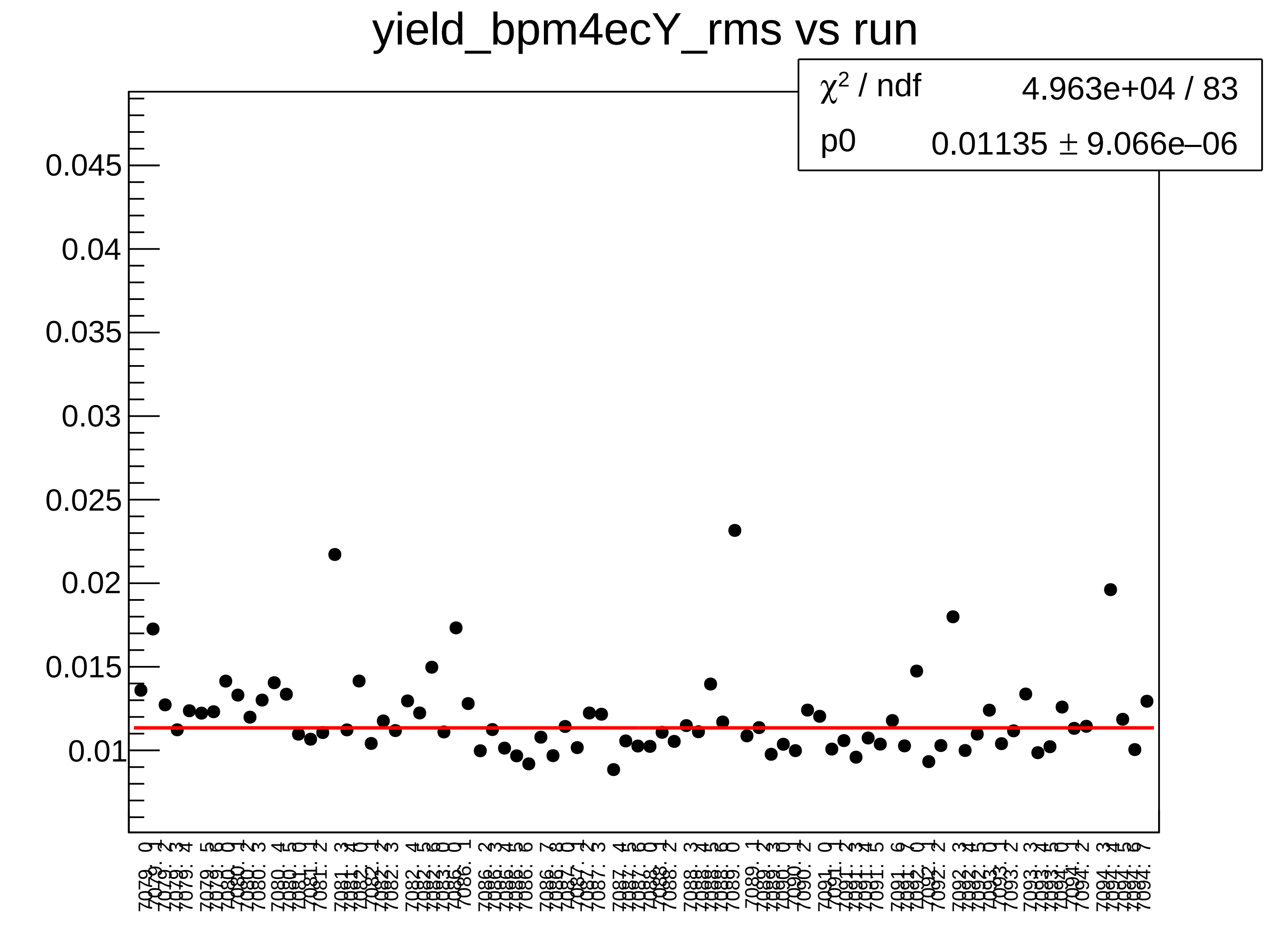

yield_bpm4acY_rms vs run
χ2 / ndf 4.004e+04 / 83
p0 0.01245 ± 9.918e–06
0.06
0.05
0.04
0.03
0.02
0.01



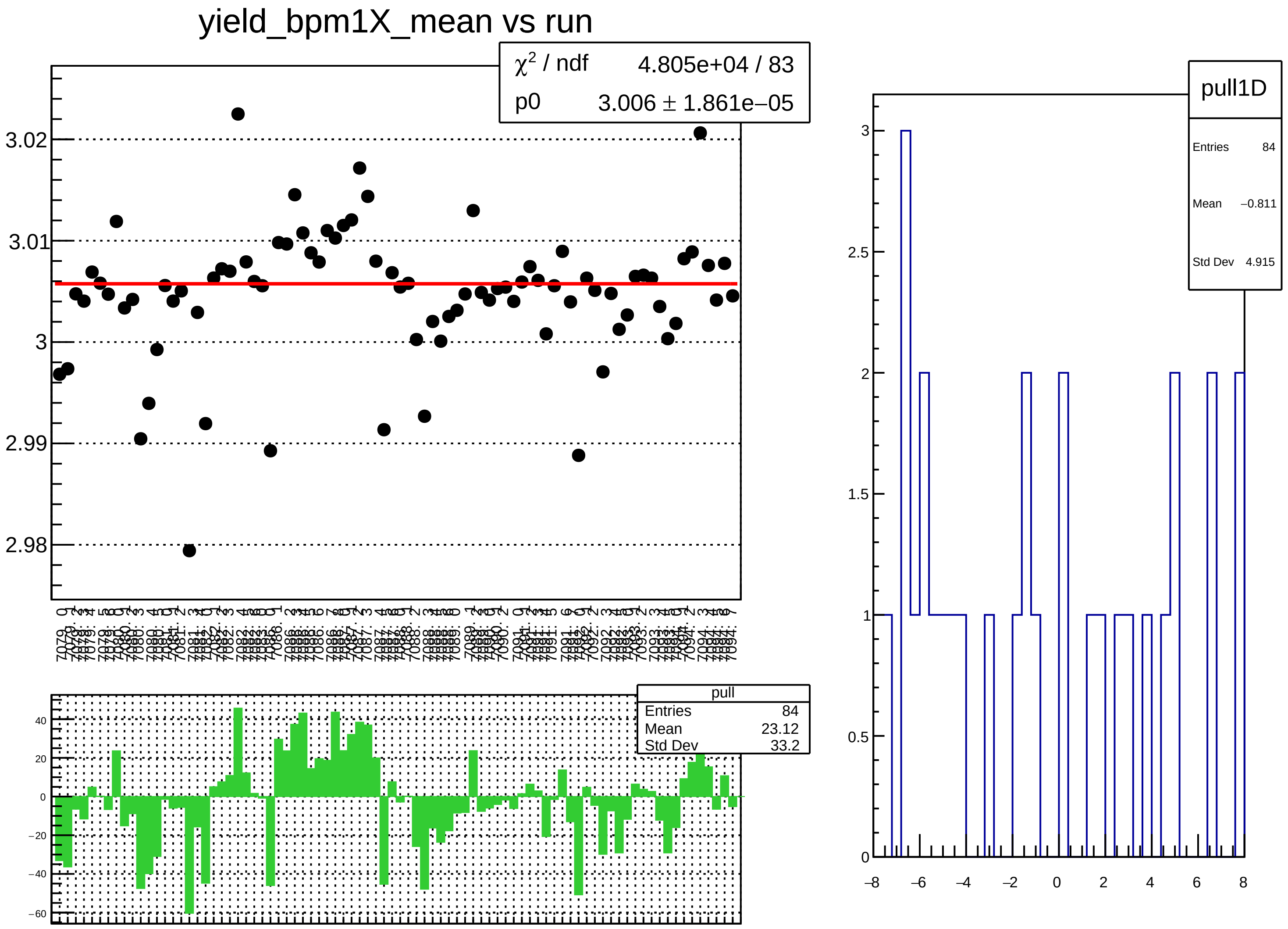
yield_bpm4ecX_mean vs run
χ2 / ndf 3.915e+05 / 83
p0 −0.04064 ± 2.221e−05
pull
Entries 84
Mean −14.69
Std Dev 45.48
pull1D
Entries 84
Mean 2.396
Std Dev 2.641


yield_bpm4ecX_rms vs run
χ2 / ndf 2.269e+05 / 83
p0 0.01851 ± 1.57e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

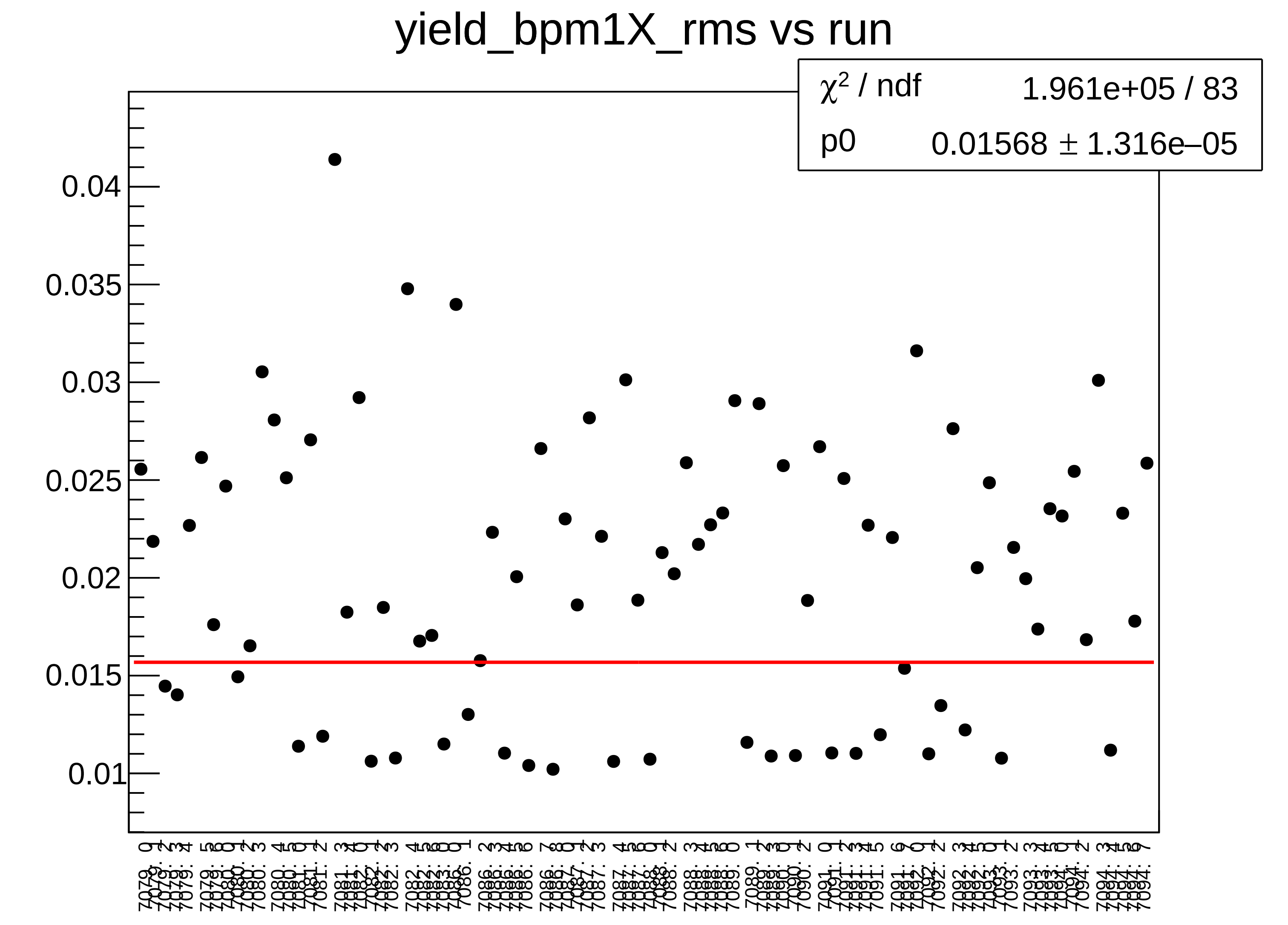

yield_bpm4ecY_mean vs run
χ2 / ndf 1.423e+05 / 83
p0 0.07554 ± 1.282e−05
0.1
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
pull
Entries 84
Mean −553.4
Std Dev 594.5
100
50
0
−50
−100
pull1D
Entries 84
Mean −0.5345
Std Dev 5.356
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



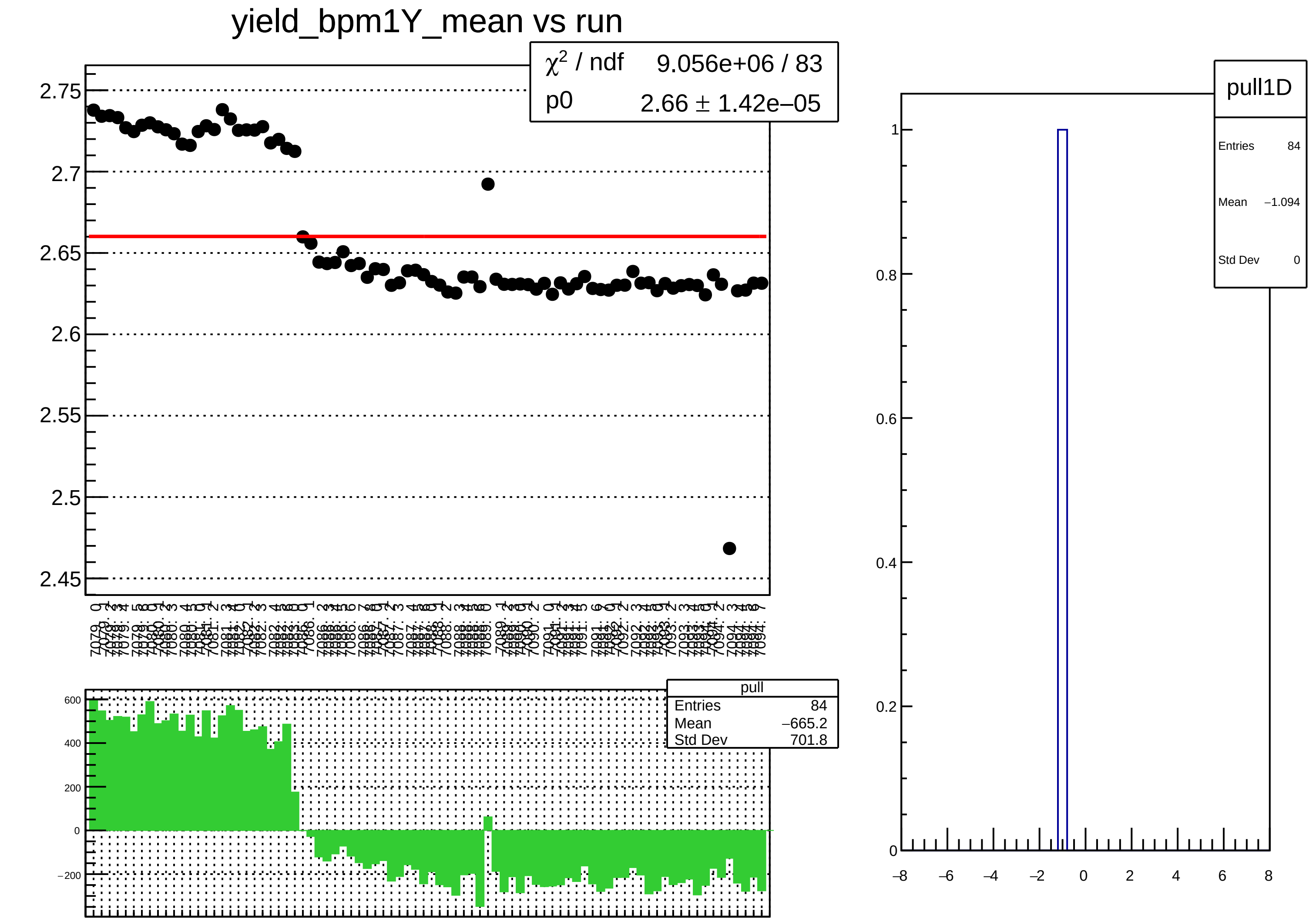
yield_bpm4ecY_rms vs run
χ2 / ndf 4.963e+04 / 83
p0 0.01135 ± 9.066e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01



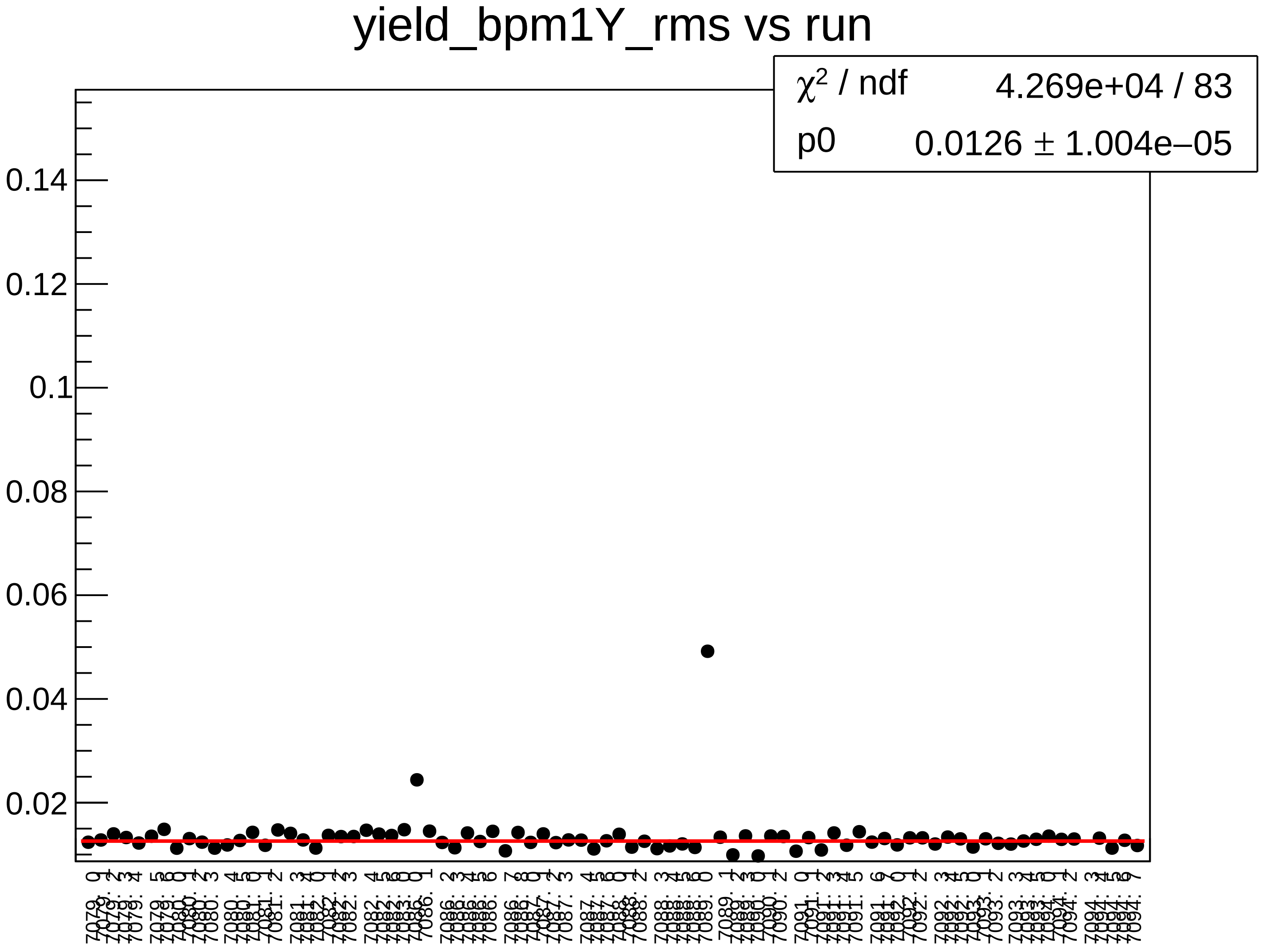
yield_bpm1X_mean vs run
χ^2 / ndf 4.805e+04 / 83
p0 3.006 ± 1.861e−05
3.02
3.01
3
2.99
2.98
pull
Entries 84
Mean 23.12
Std Dev 33.2
40
20
0
−20
−40
−60
pull1D
Entries 84
Mean −0.811
Std Dev 4.915
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8



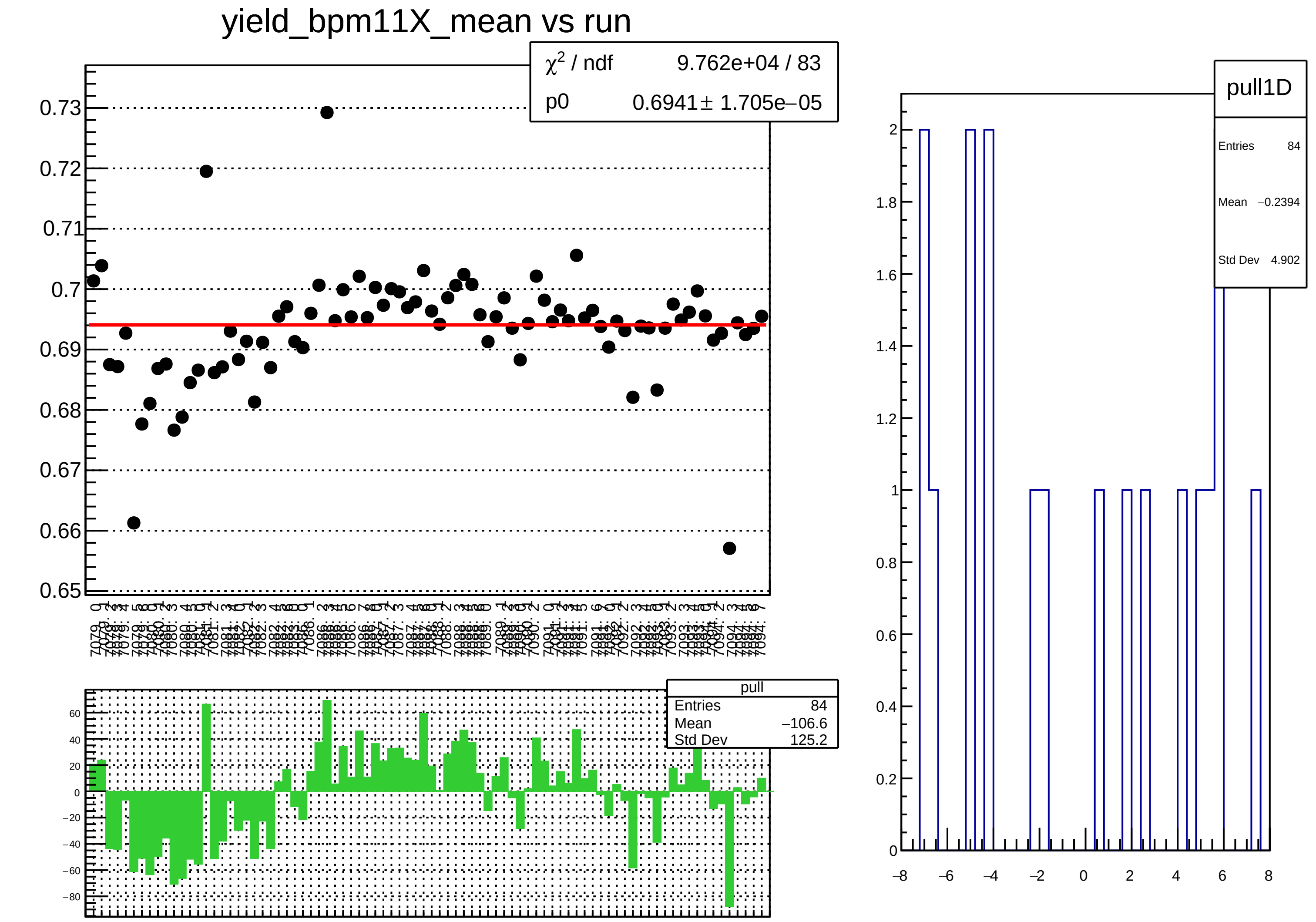
yield_bpm1X_rms vs run
χ2 / ndf 1.961e+05 / 83
p0 0.01568 ± 1.316e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01



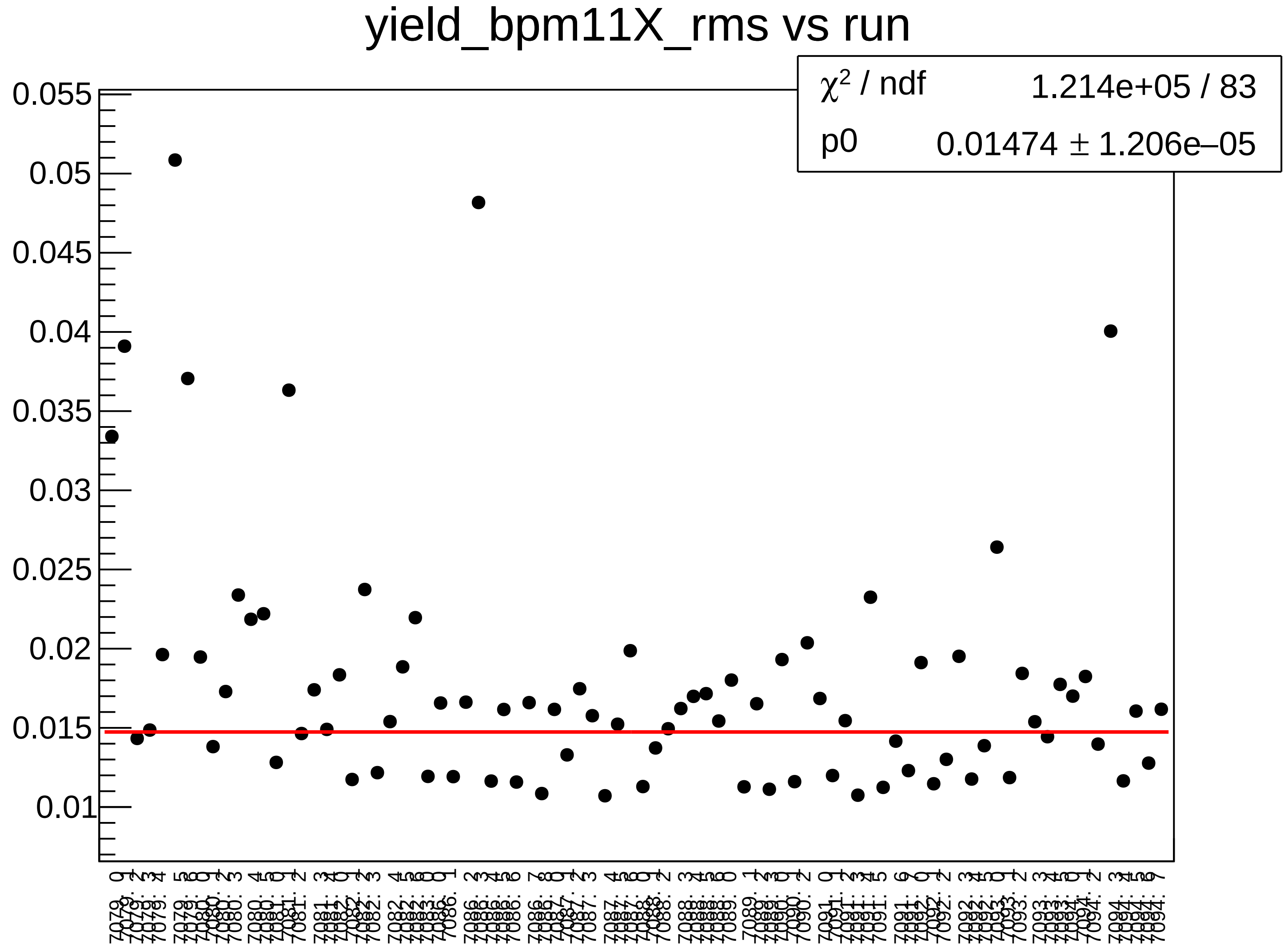
yield_bpm1Y_mean vs run
χ^2 / ndf 9.056e+06 / 83
p0 2.66 ± 1.42e−05
2.75
2.7
2.65
2.6
2.55
2.5
2.45
pull
Entries 84
Mean −665.2
Std Dev 701.8
600
400
200
0
−200
pull1D
Entries 84
Mean −1.094
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

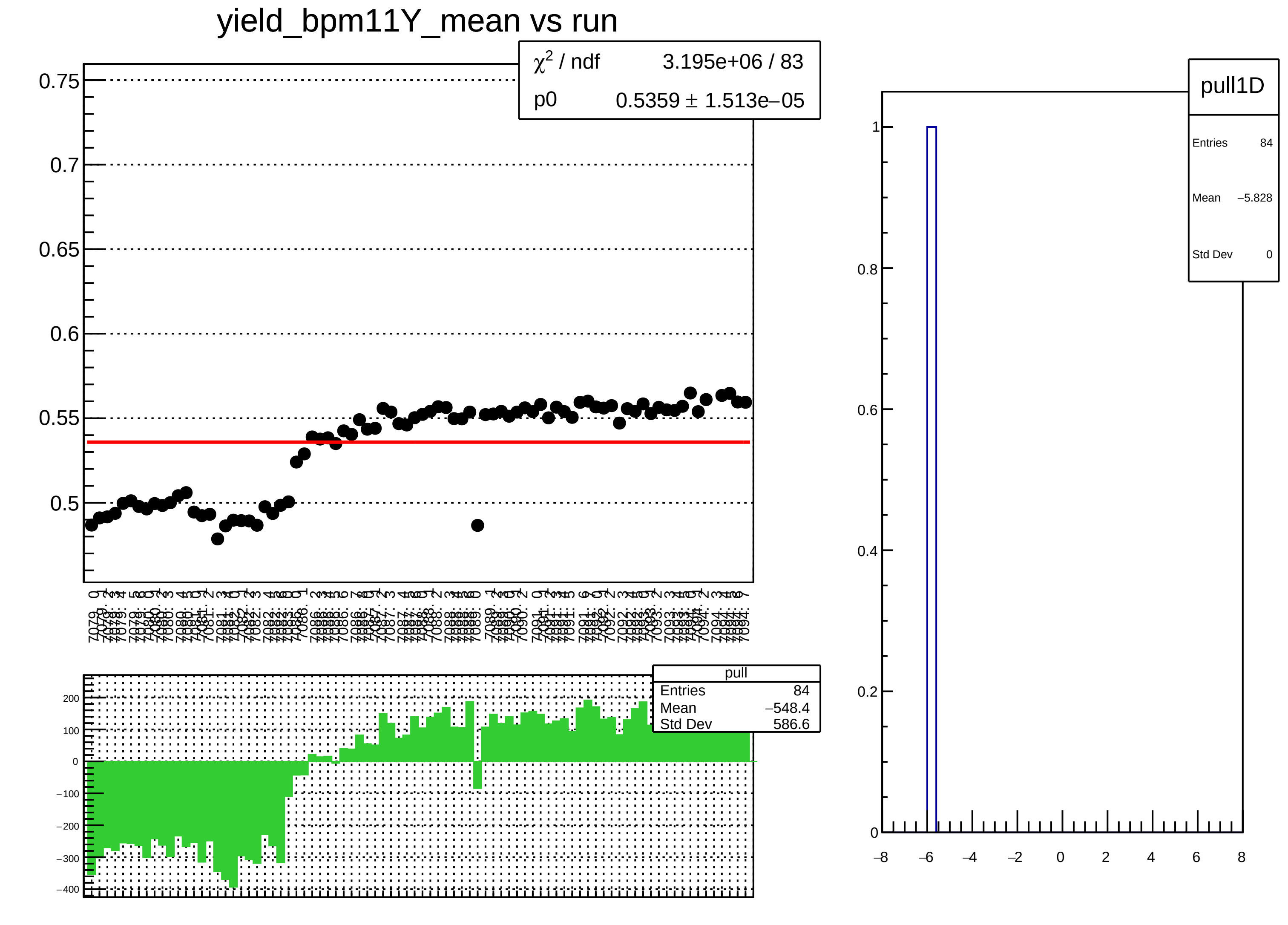


yield_bpm1Y_rms vs run
χ2 / ndf 4.269e+04 / 83
p0 0.0126 ± 1.004e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

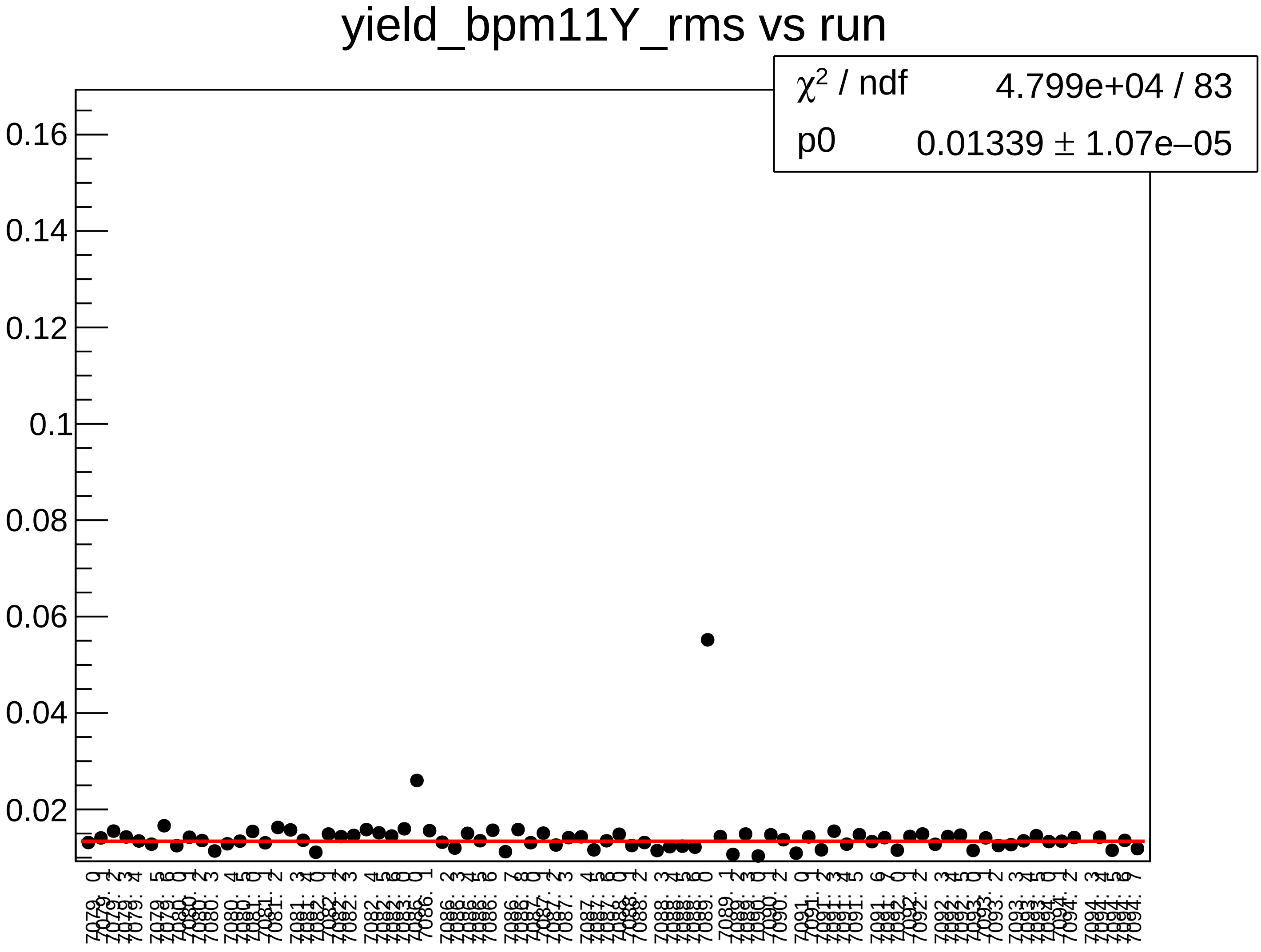


yield_bpm11X_mean vs run
χ2 / ndf 9.762e+04 / 83
p0 0.6941 ± 1.705e−05
pull
Entries 84
Mean −106.6
Std Dev 125.2
pull1D
Entries 84
Mean −0.2394
Std Dev 4.902

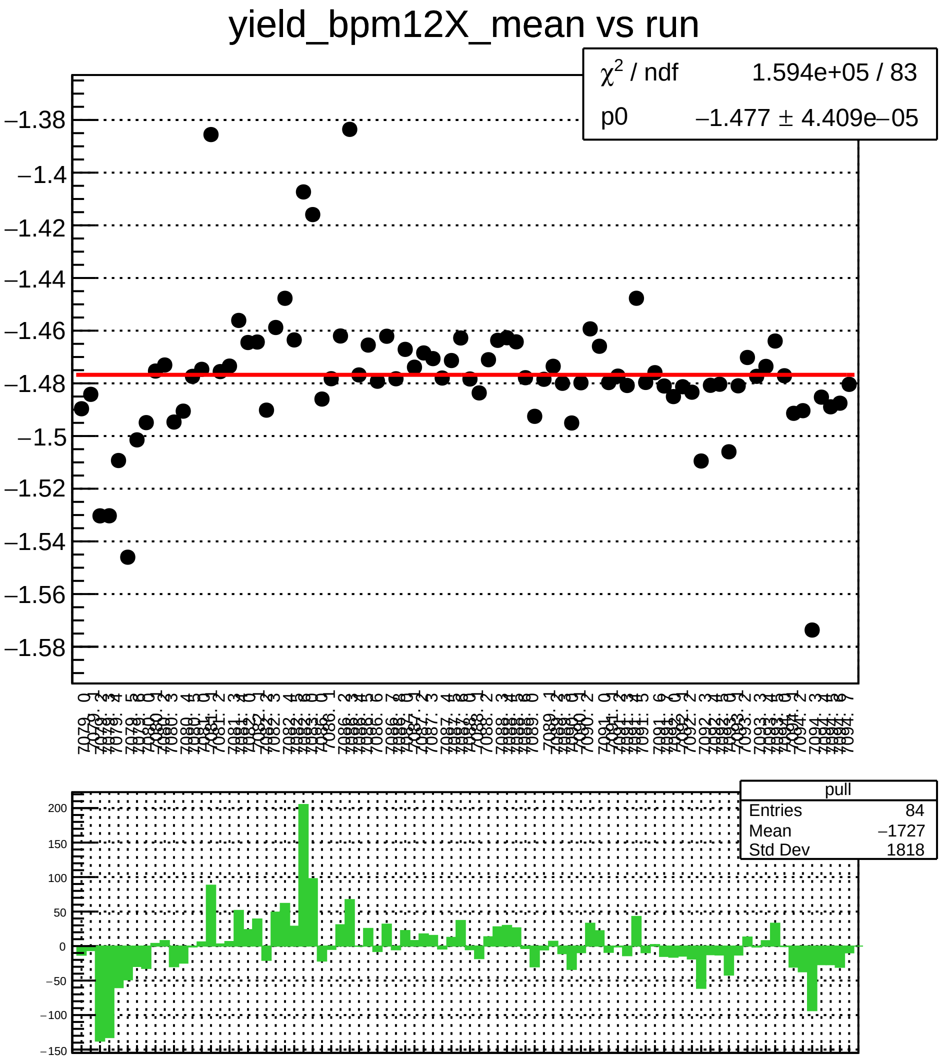

yield_bpm11X_rms vs run
χ² / ndf 1.214e+05 / 83
p0 0.01474 ± 1.206e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

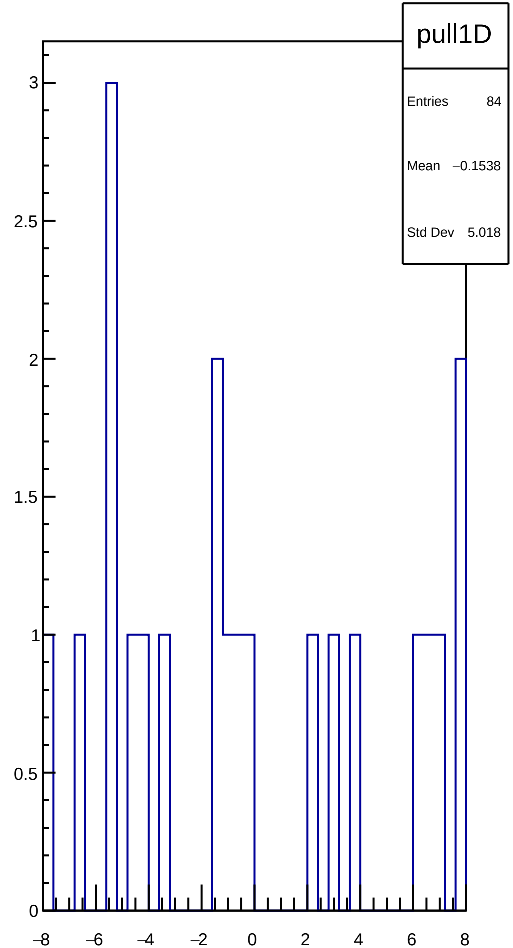


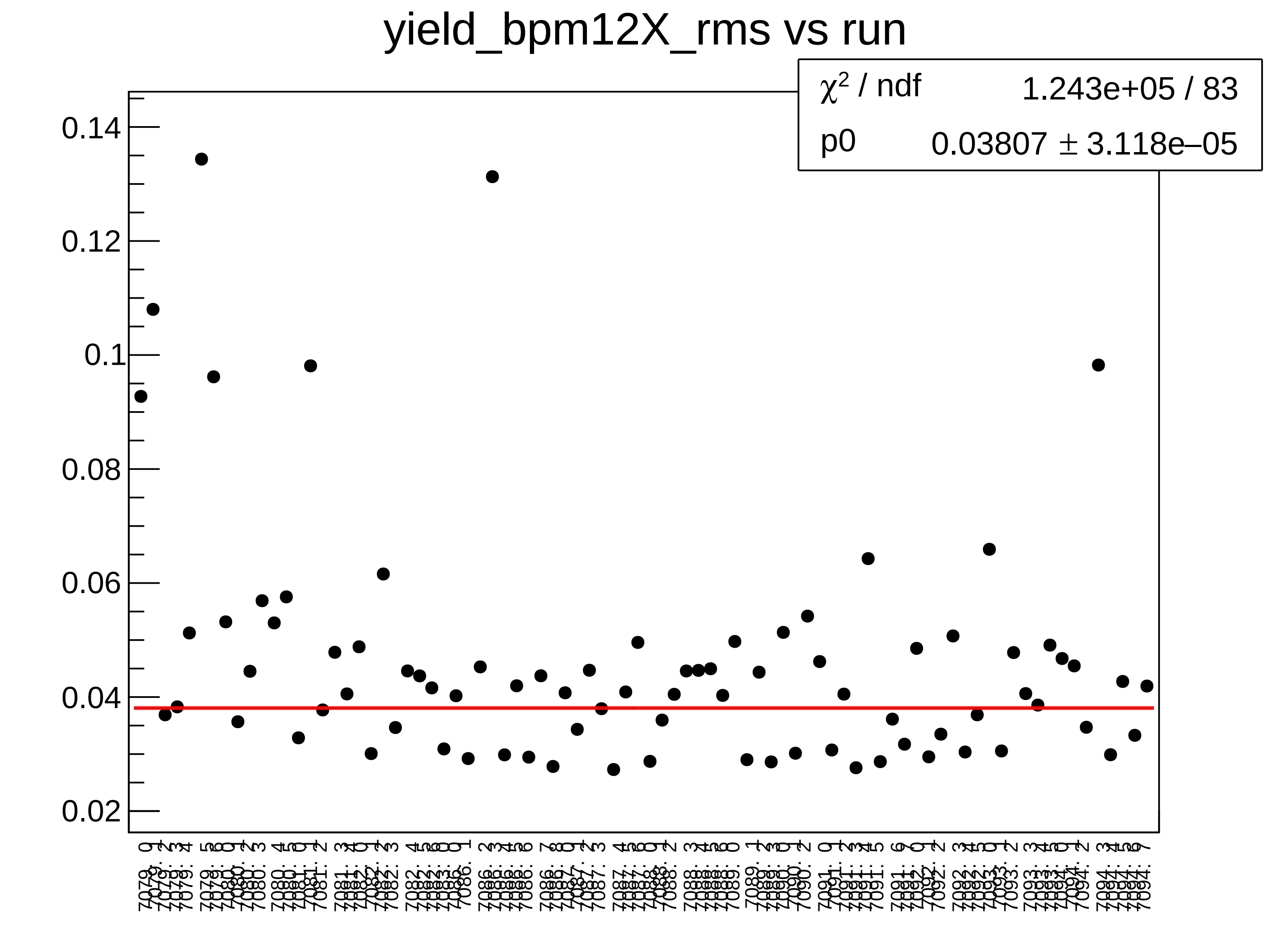
yield_bpm11Y_mean vs run
χ2 / ndf 3.195e+06 / 83
p0 0.5359 ± 1.513e−05
pull
Entries 84
Mean −548.4
Std Dev 586.6
pull1D
Entries 84
Mean −5.828
Std Dev 0



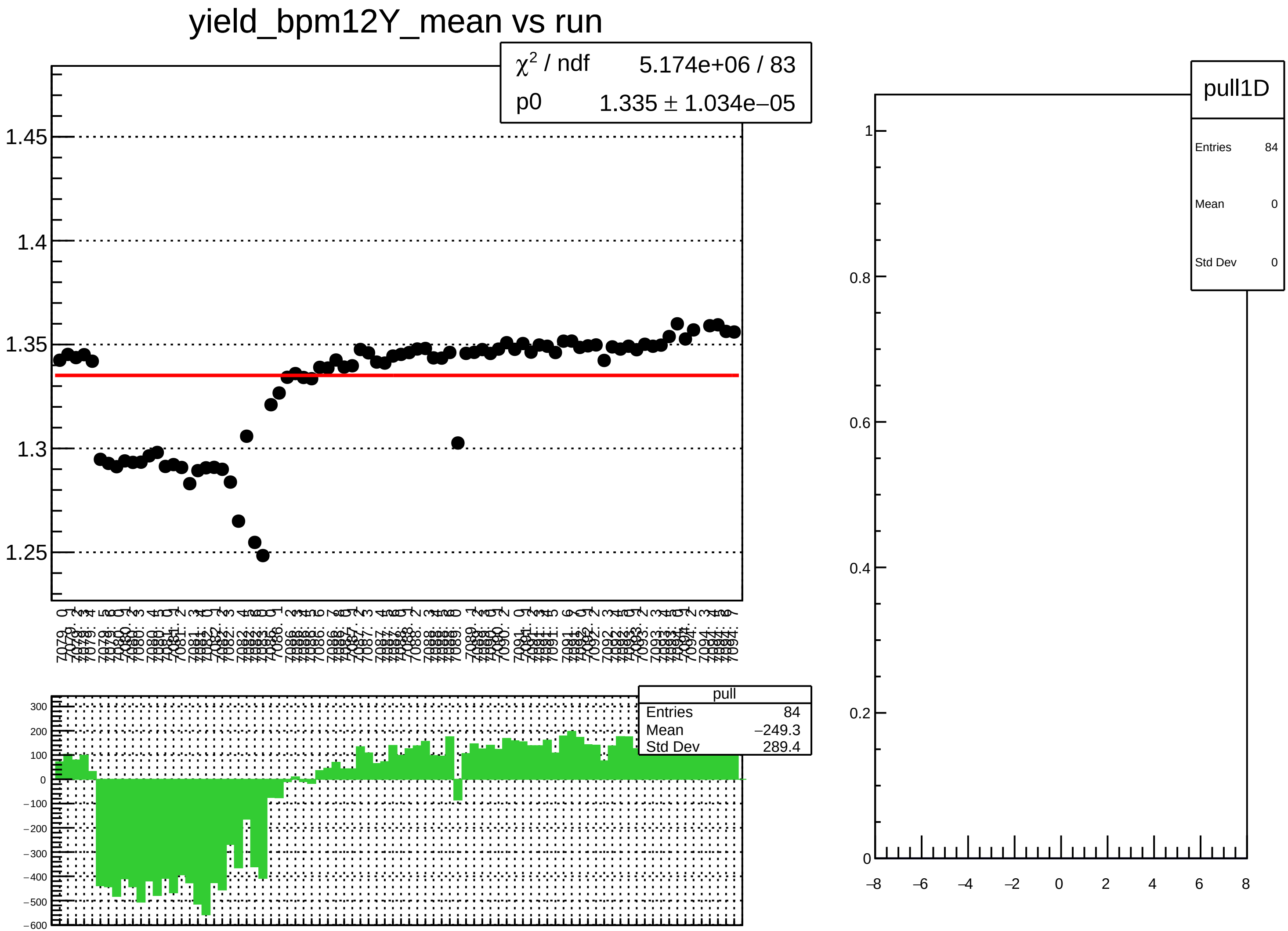
yield_bpm11Y_rms vs run
χ^2 / ndf 4.799e+04 / 83
p0 0.01339 ± 1.07e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02


yield_bpm12X_mean vs run
χ^2 / ndf 1.594e+05 / 83
p0 −1.477 ± 4.409e−05
pull
Entries 84
Mean −1727
Std Dev 1818

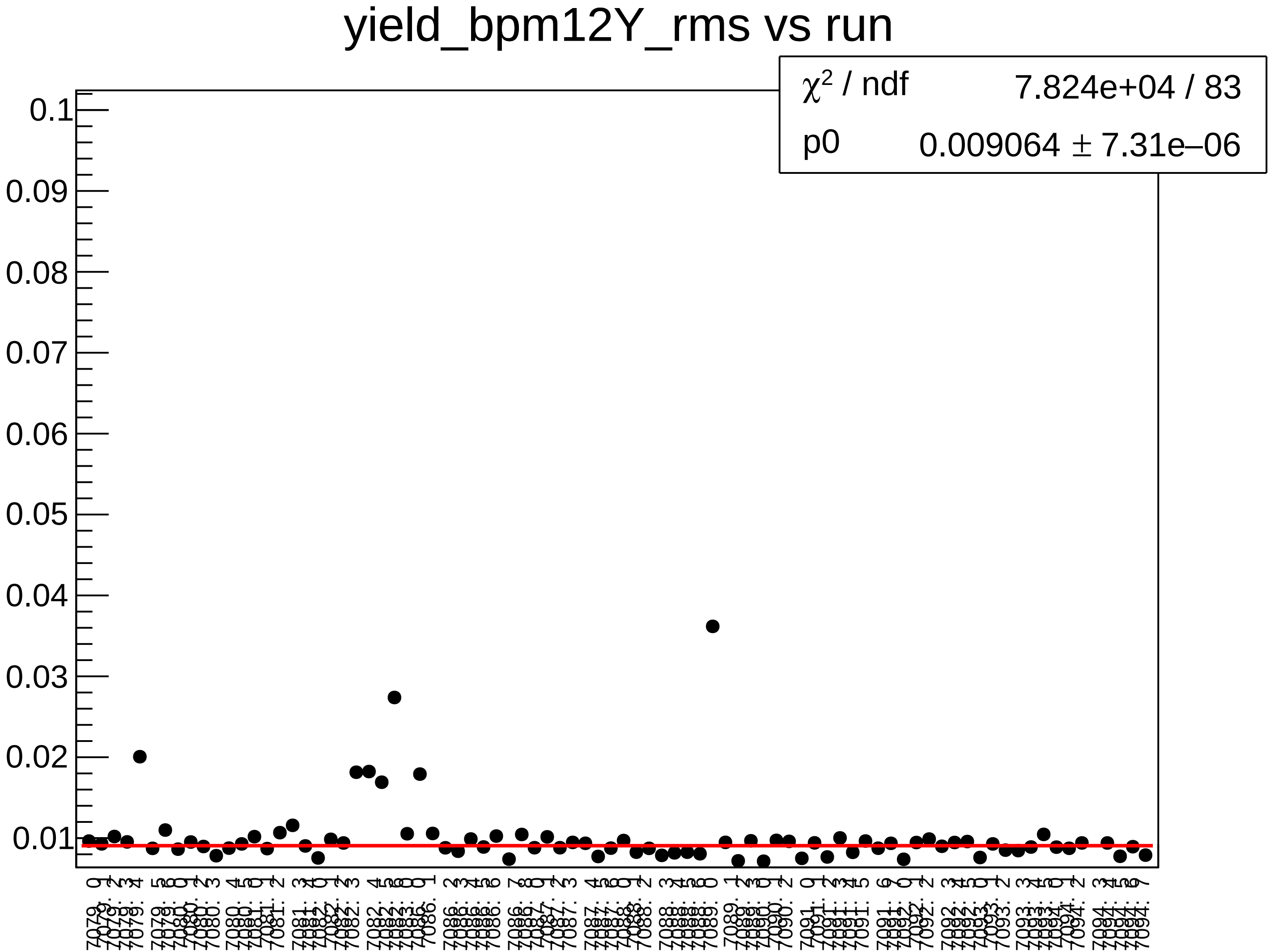

pull1D
Entries 84
Mean −0.1538
Std Dev 5.018

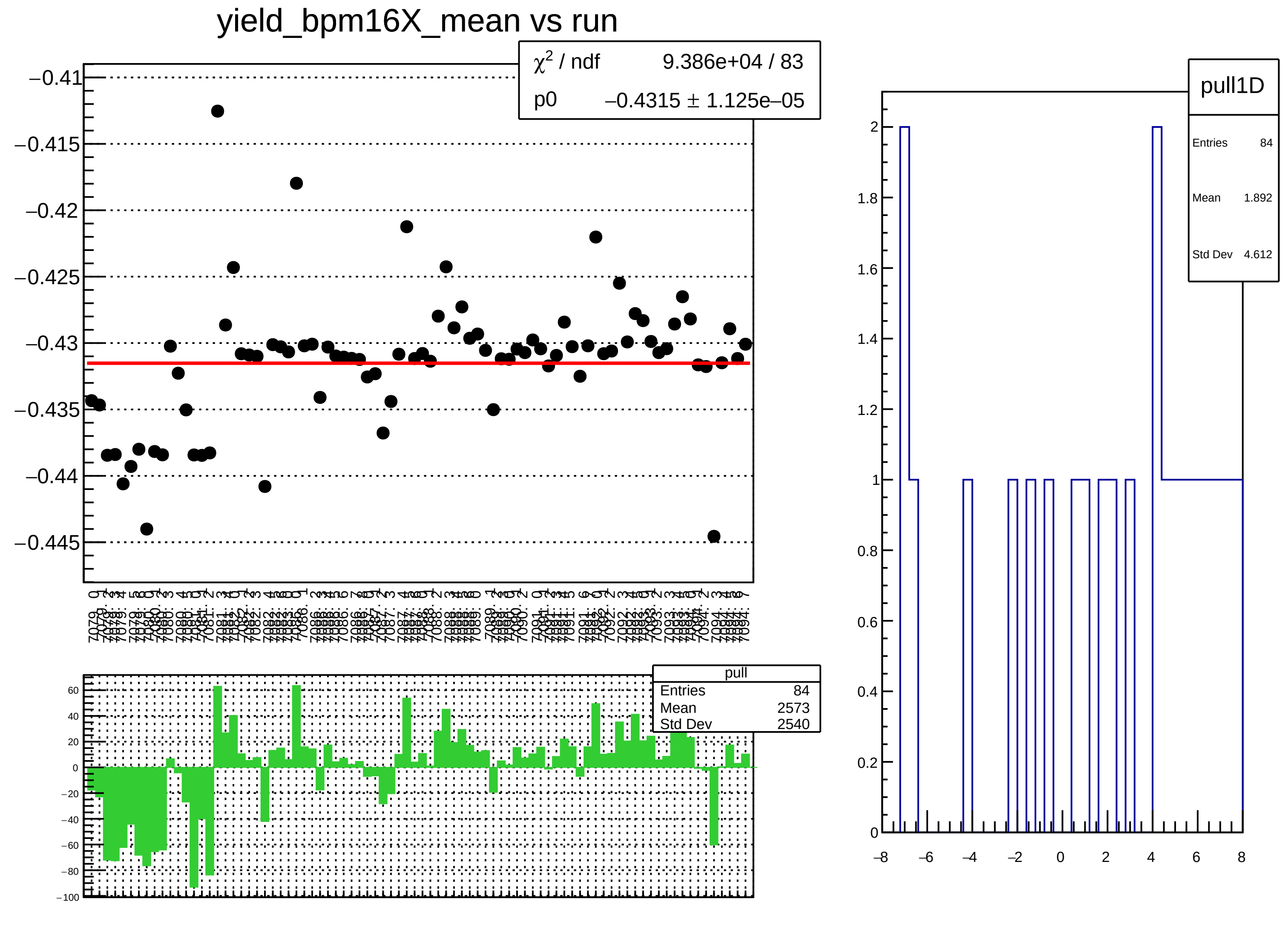


yield_bpm12X_rms vs run
χ^2 / ndf 1.243e+05 / 83
p0 0.03807 ± 3.118e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

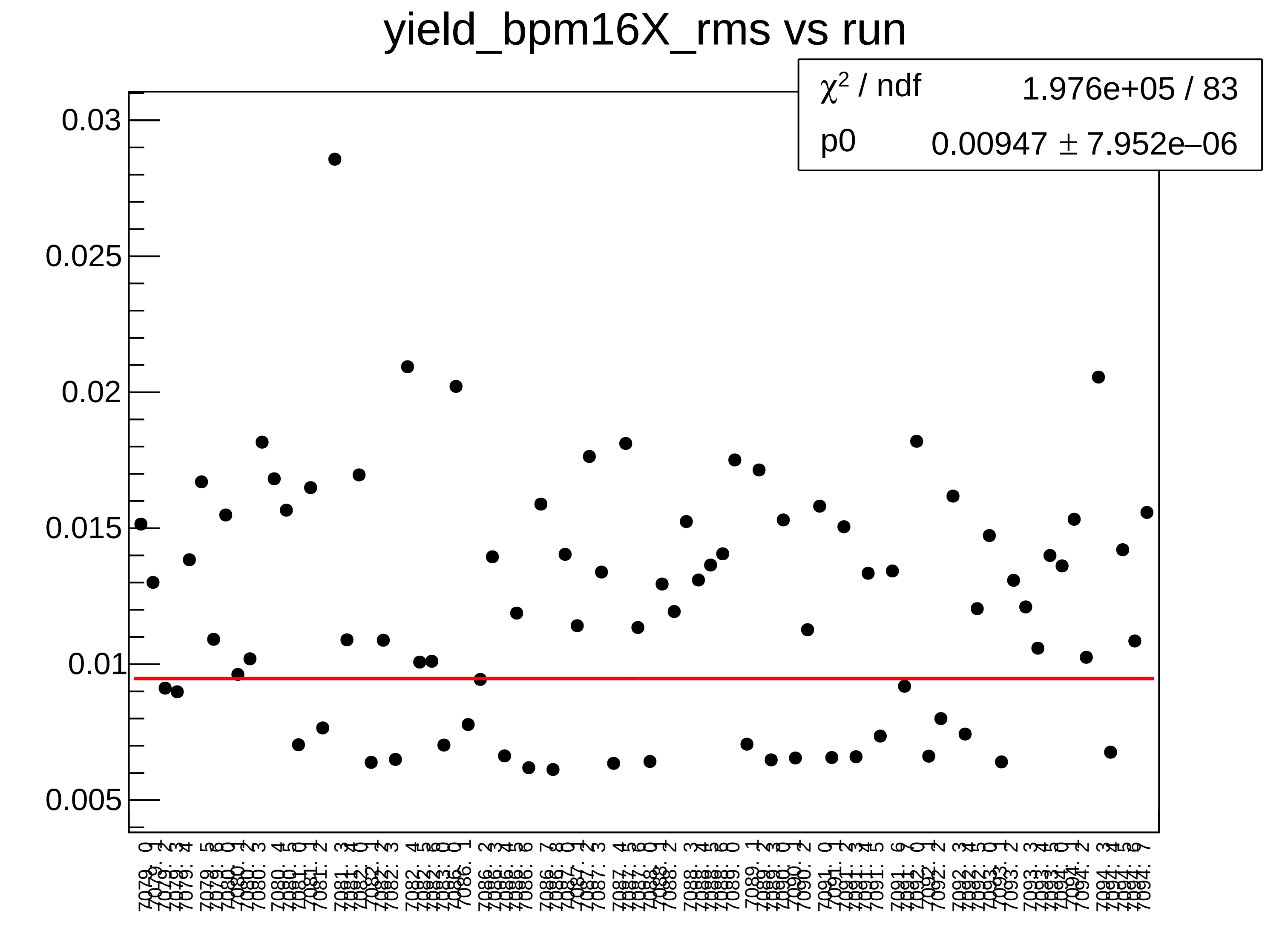


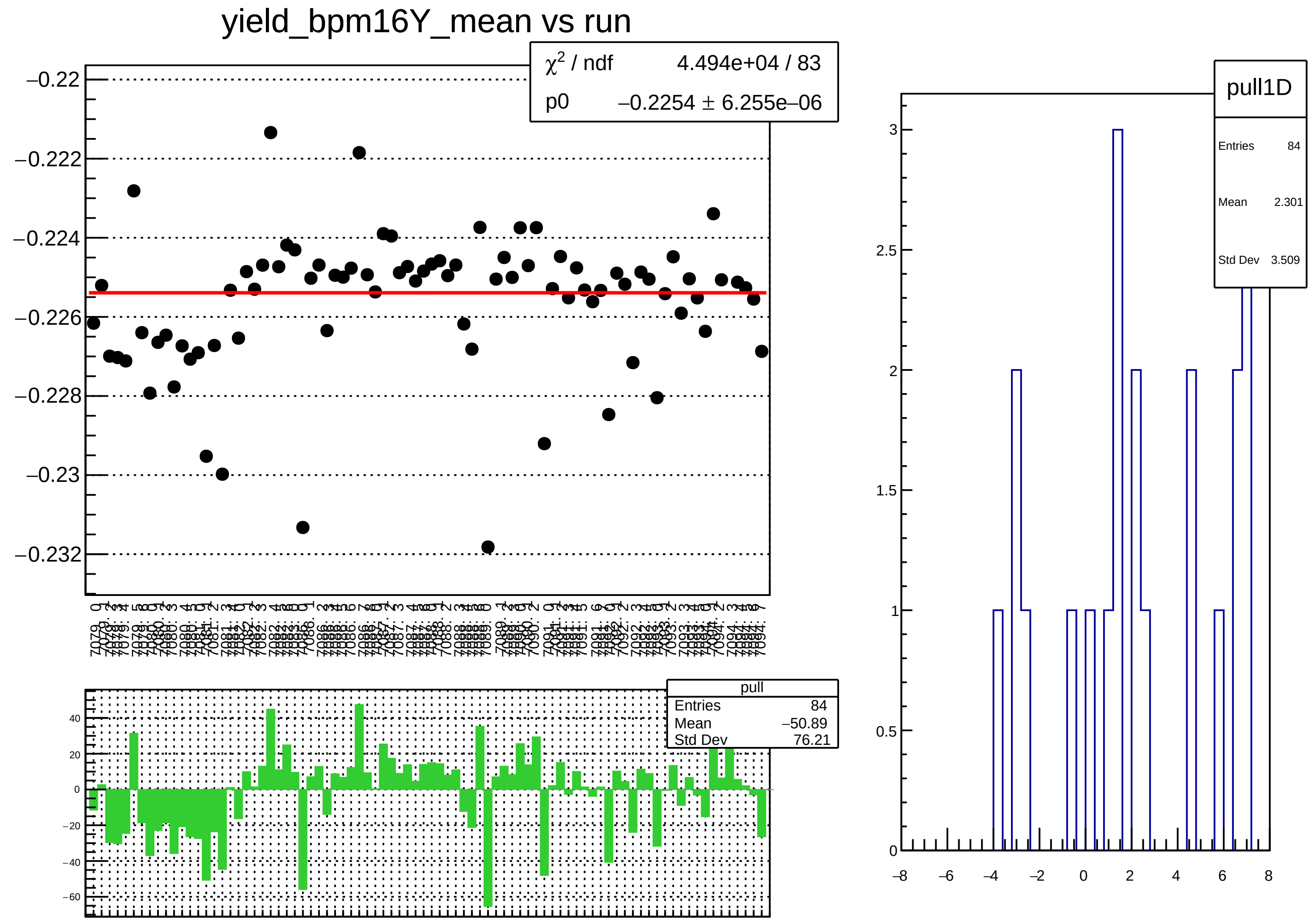
yield_bpm12Y_mean vs run
χ^2 / ndf 5.174e+06 / 83
p0 1.335 ± 1.034e−05
pull
Entries 84
Mean −249.3
Std Dev 289.4
pull1D
Entries 84
Mean 0
Std Dev 0


yield_bpm12Y_rms vs run
χ^2 / ndf 7.824e+04 / 83
p0 0.009064 ± 7.31e−06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

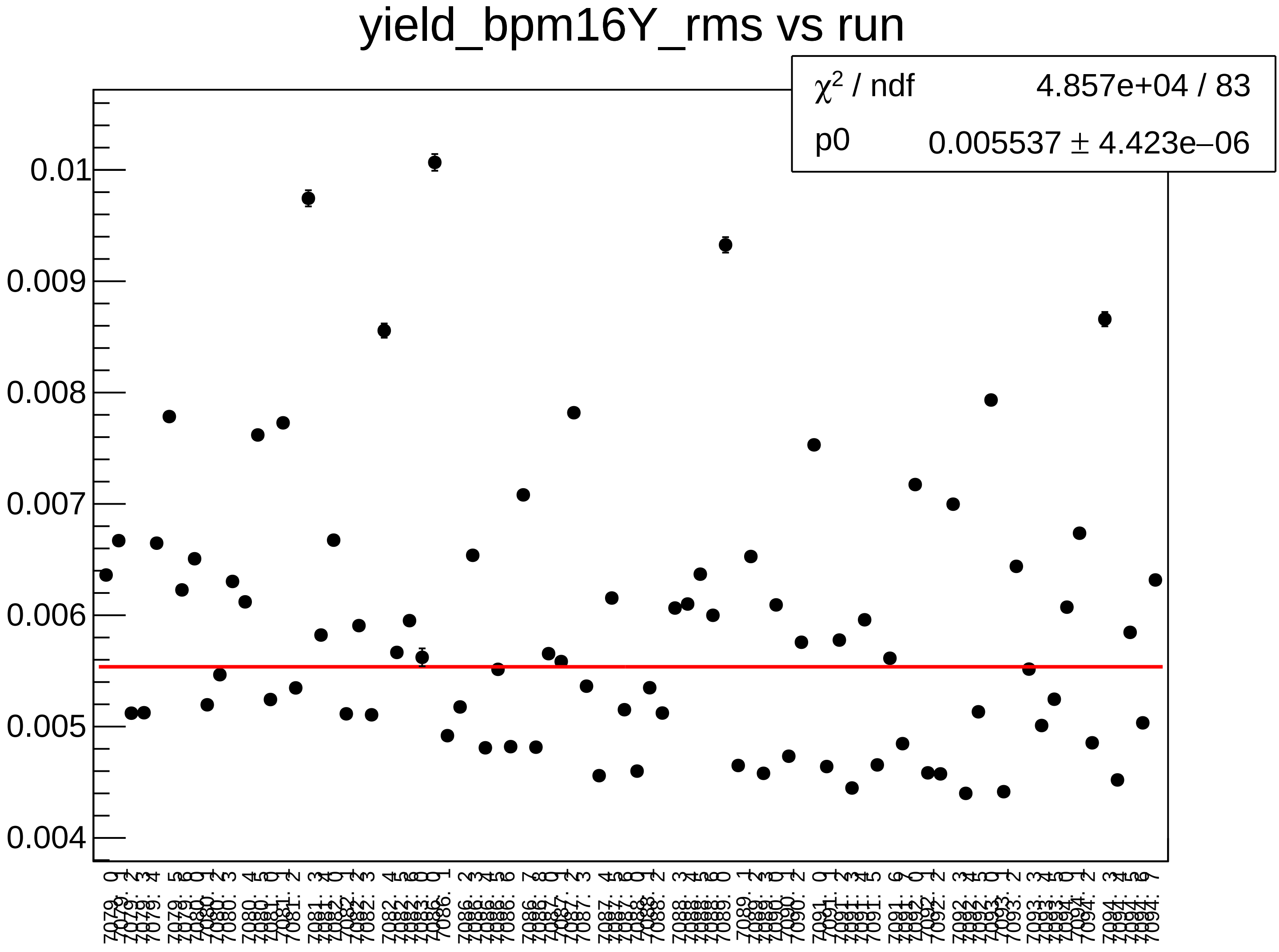


yield_bpm16X_mean vs run
χ^2 / ndf 9.386e+04 / 83
p0 −0.4315 ± 1.125e−05
pull
Entries 84
Mean 2573
Std Dev 2540
pull1D
Entries 84
Mean 1.892
Std Dev 4.612

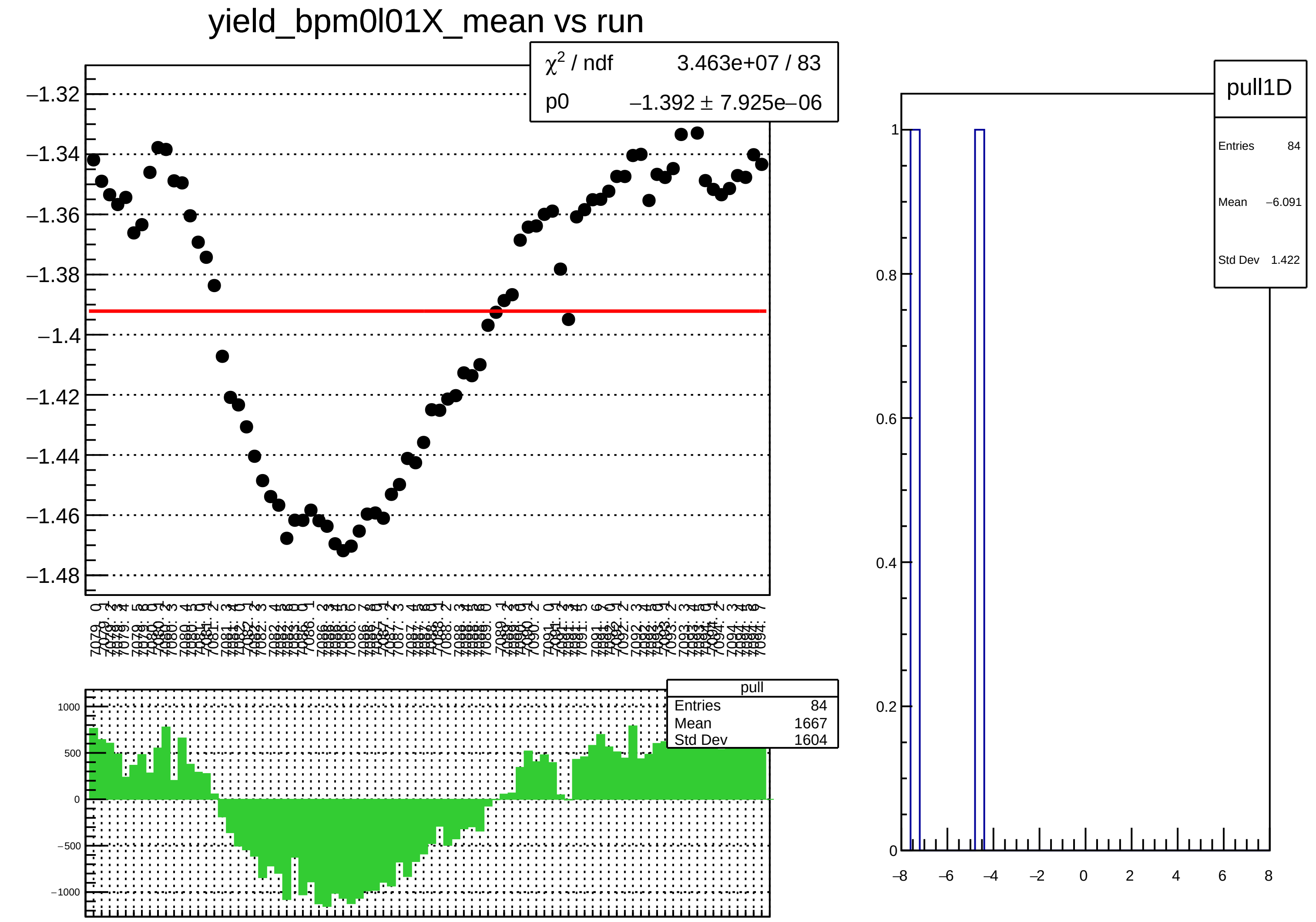

yield_bpm16X_rms vs run
χ^2 / ndf 1.976e+05 / 83
p0 0.00947 ± 7.952e−06
0.03
0.025
0.02
0.015
0.01
0.005

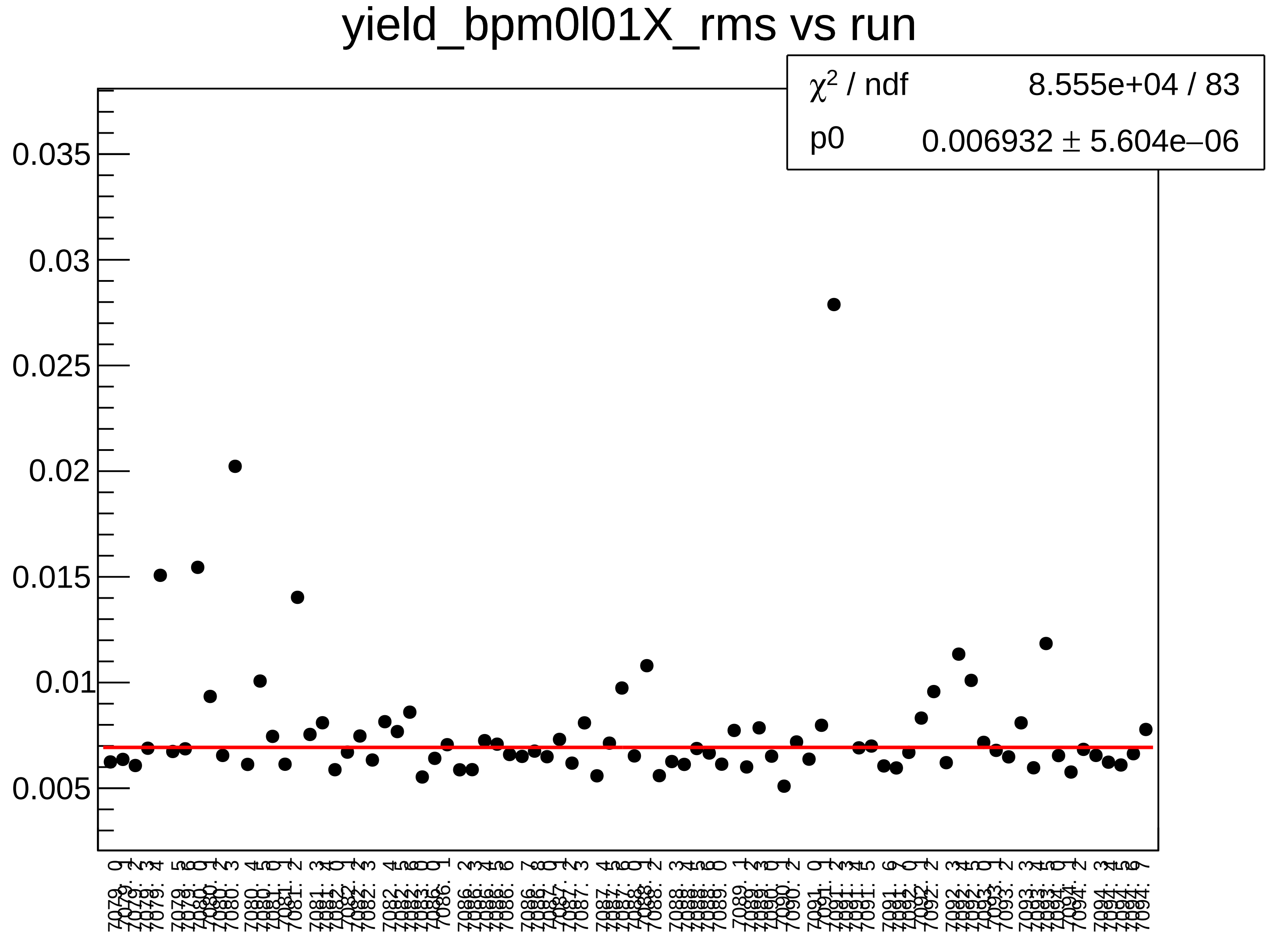


yield_bpm16Y_mean vs run
χ^2 / ndf 4.494e+04 / 83
p0 −0.2254 ± 6.255e−06
pull
Entries 84
Mean −50.89
Std Dev 76.21
pull1D
Entries 84
Mean 2.301
Std Dev 3.509

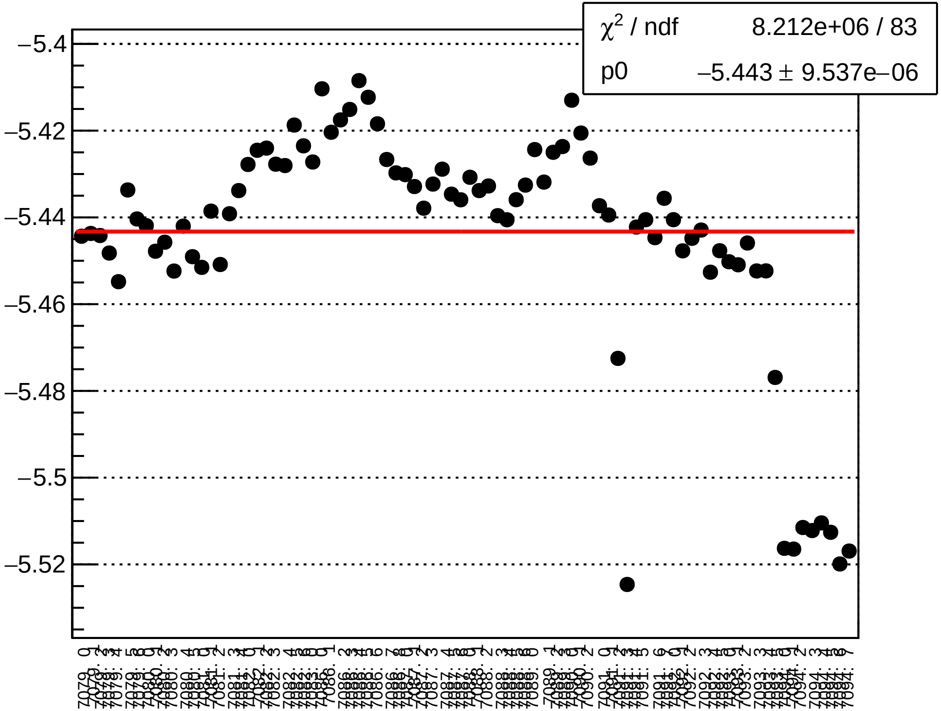


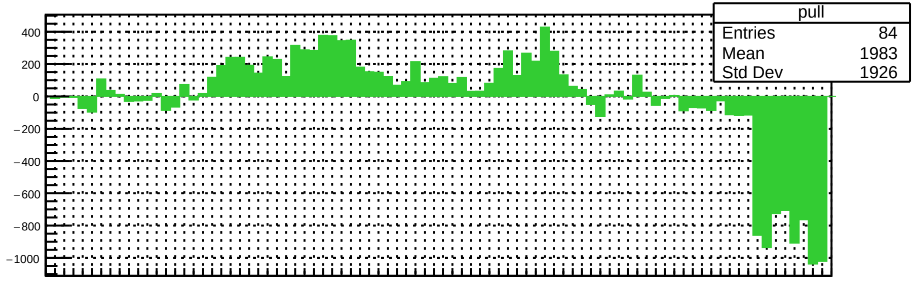
yield_bpm16Y_rms vs run
χ^2 / ndf 4.857e+04 / 83
p0 0.005537 ± 4.423e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

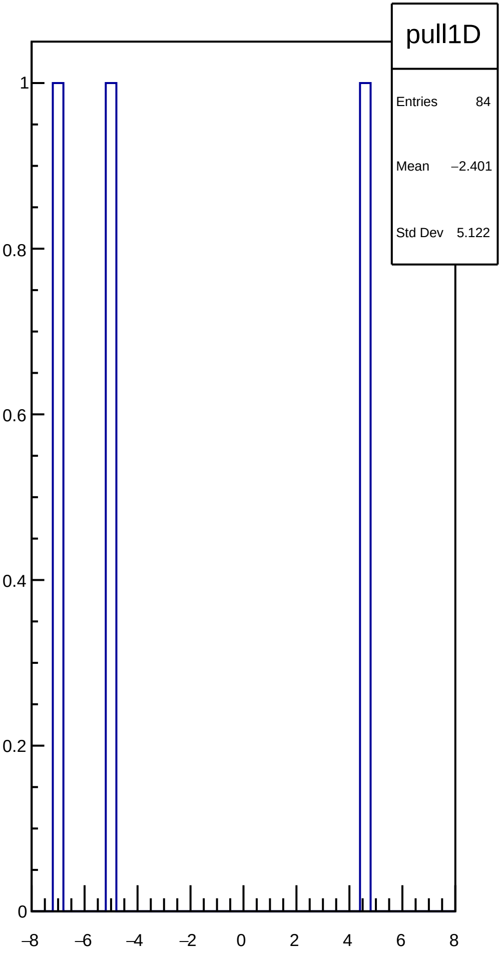

yield_bpm0l01X_mean vs run
χ2 / ndf 3.463e+07 / 83
p0 −1.392 ± 7.925e−06
−1.32
−1.34
−1.36
−1.38
−1.4
−1.42
−1.44
−1.46
−1.48
pull
Entries 84
Mean 1667
Std Dev 1604
1000
500
0
−500
−1000
pull1D
Entries 84
Mean −6.091
Std Dev 1.422
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

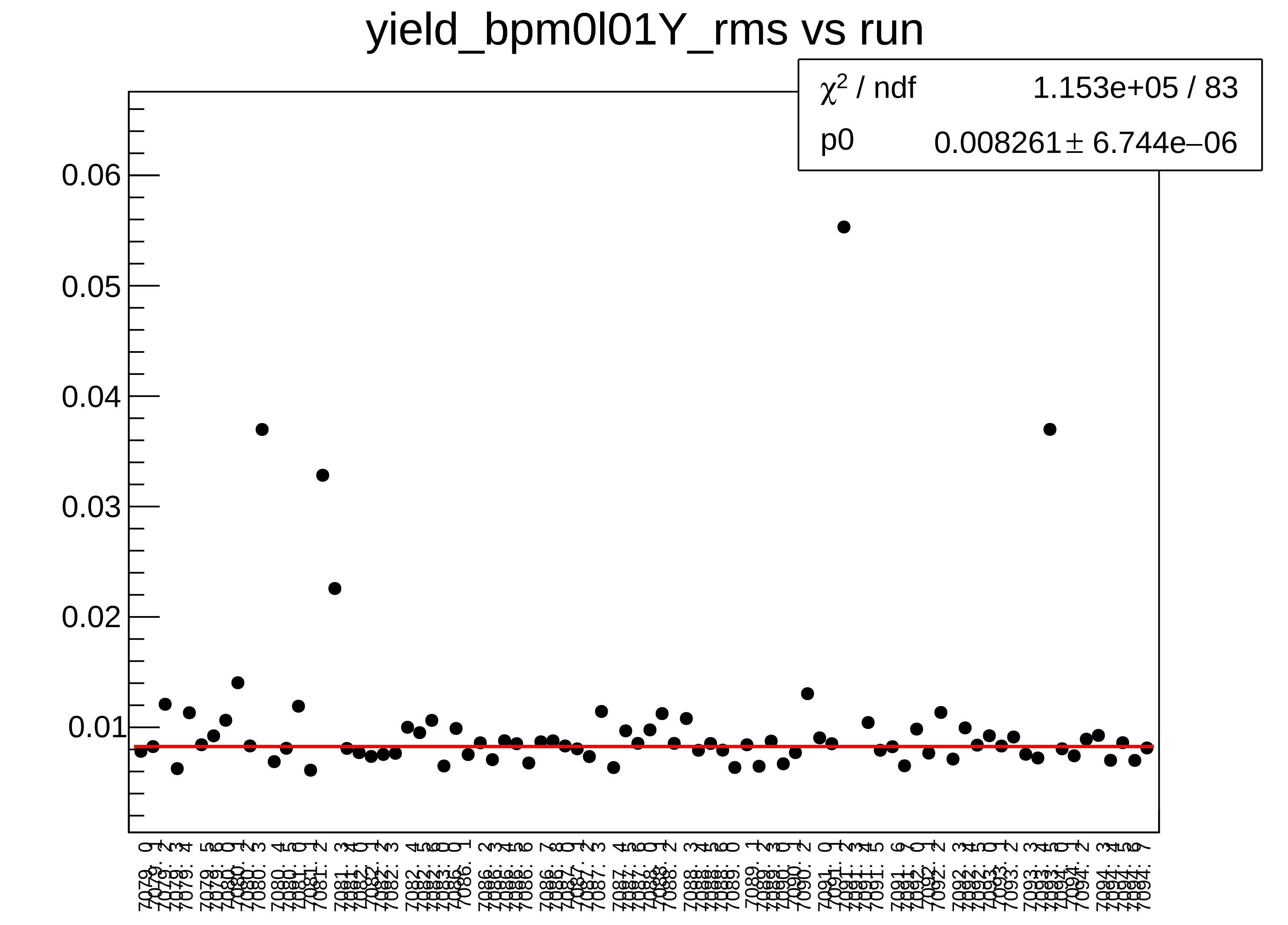

yield_bpm0l01X_rms vs run
χ^2 / ndf 8.555e+04 / 83
p0 0.006932 ± 5.604e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

yield_bpm0l01Y_mean vs run

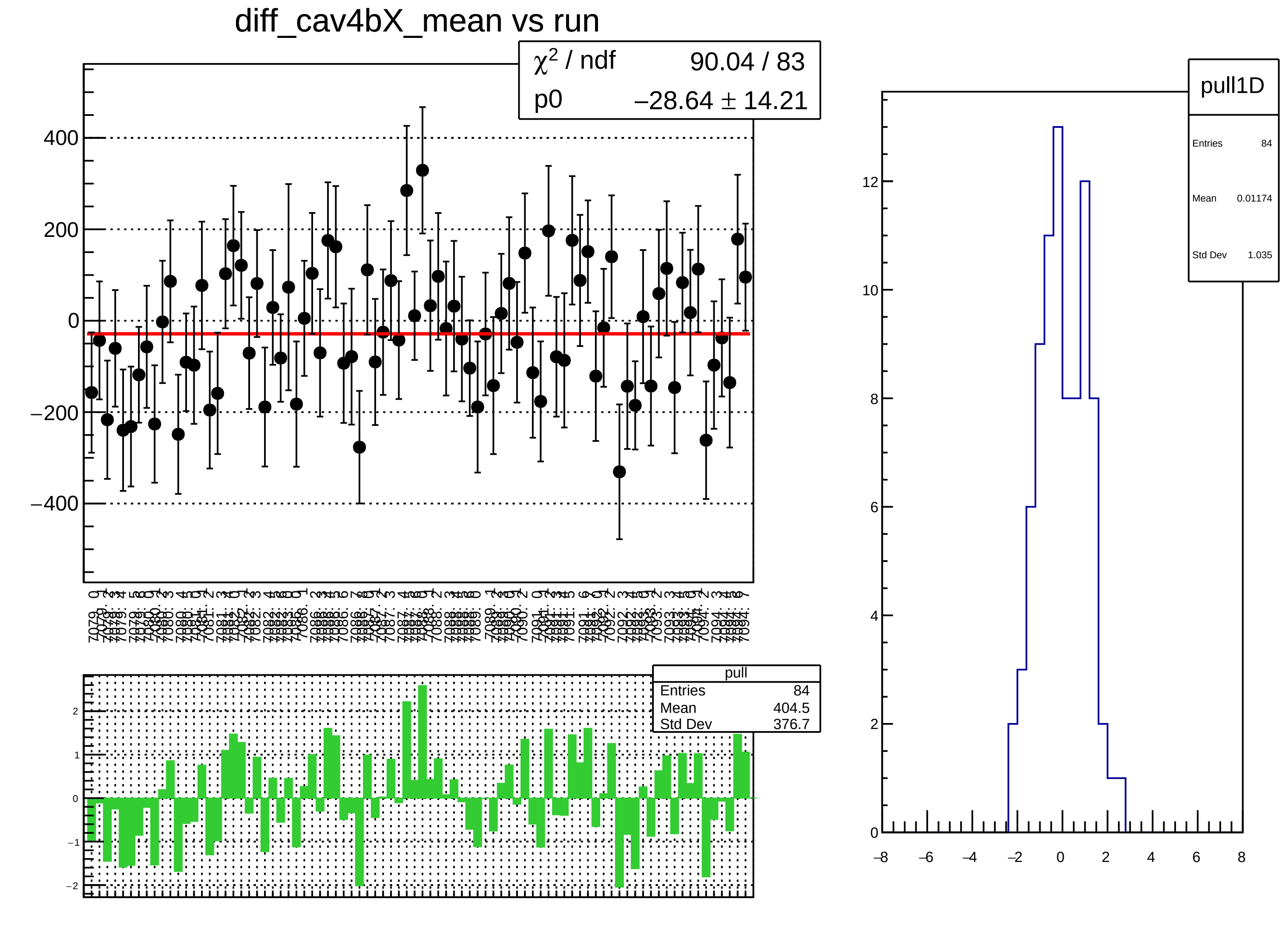


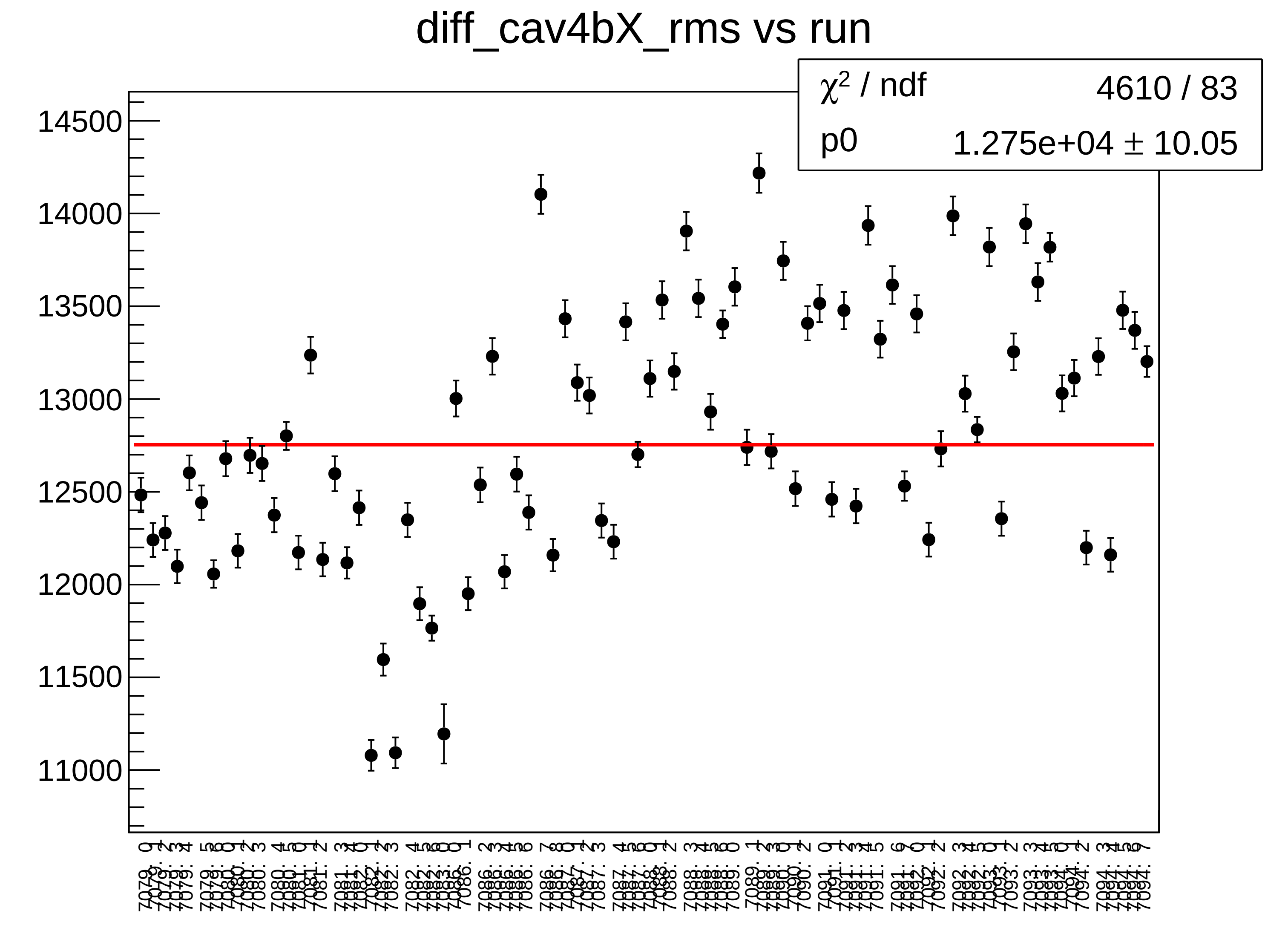


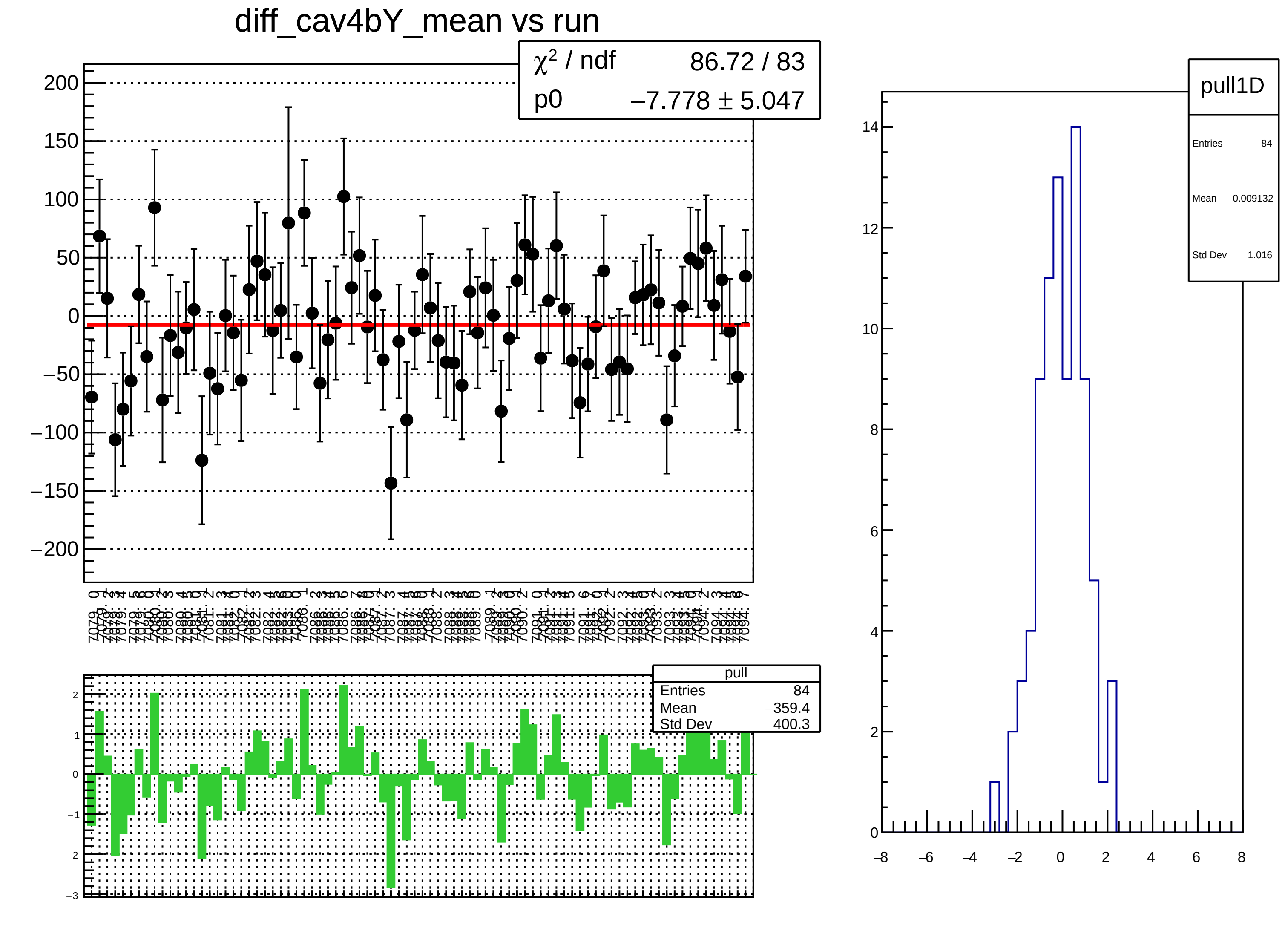


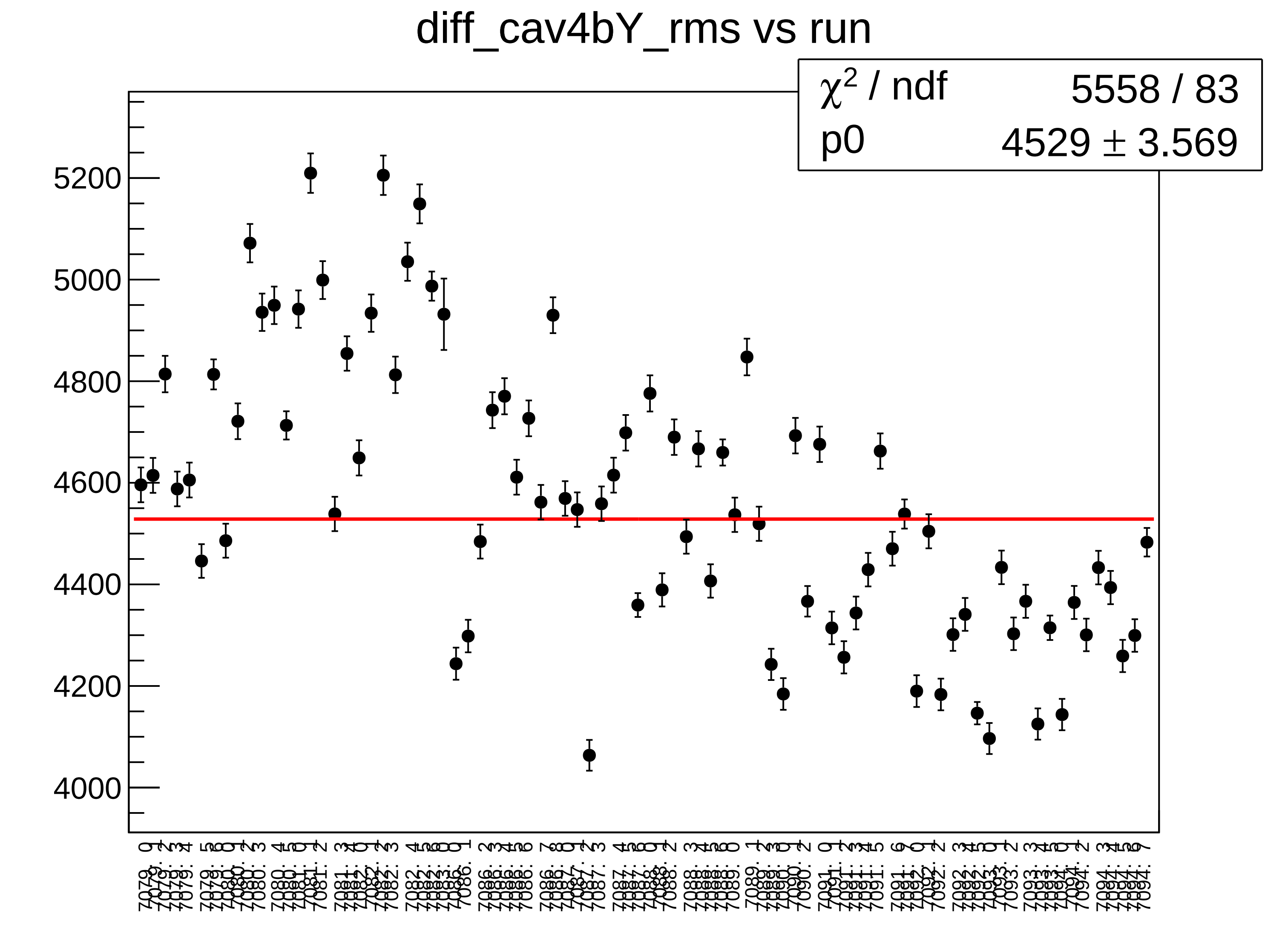


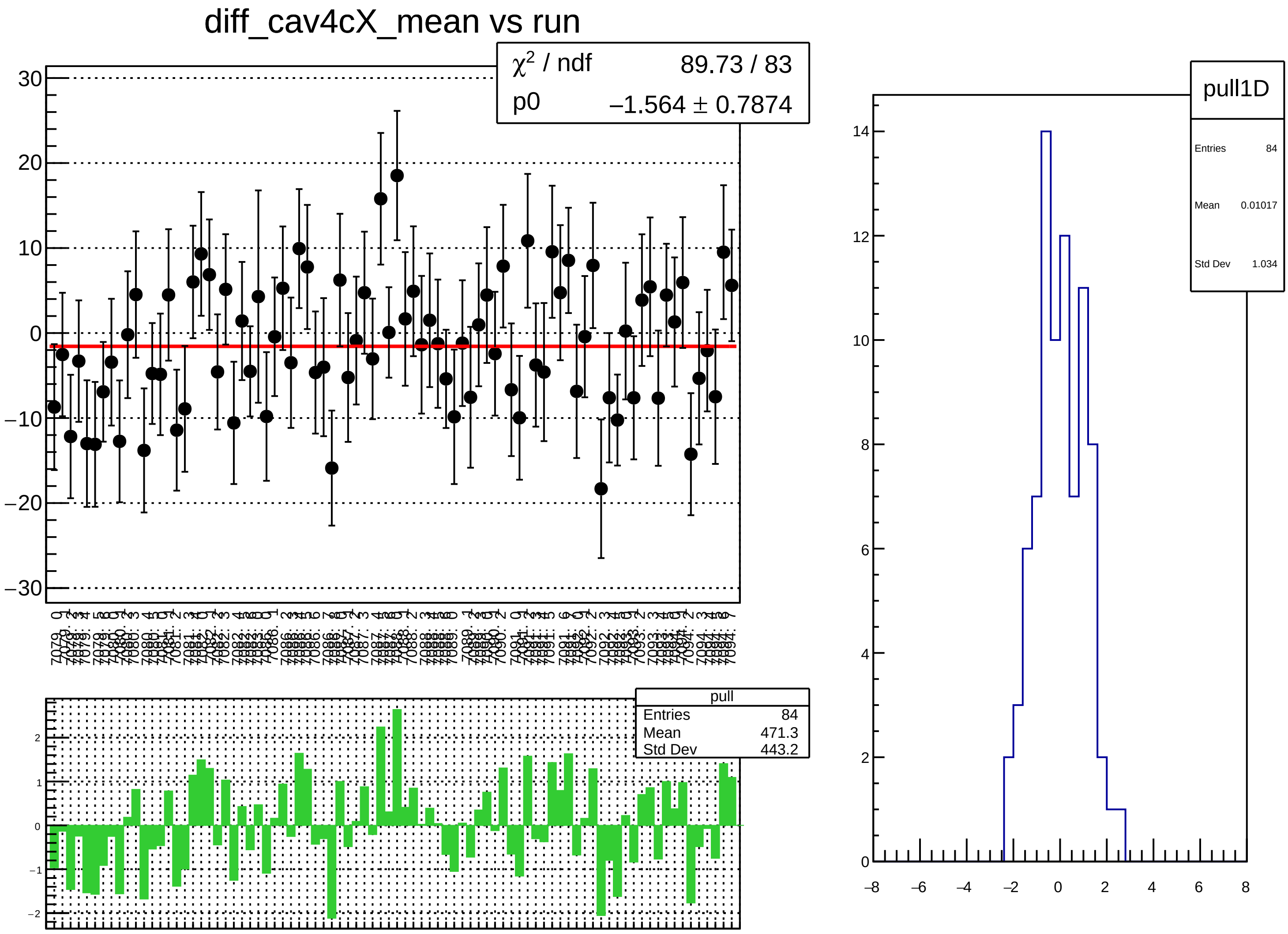
yield_bpm0l01Y_rms vs run
χ^2 / ndf 1.153e+05 / 83
p0 0.008261 ± 6.744e−06
0.06
0.05
0.04
0.03
0.02
0.01

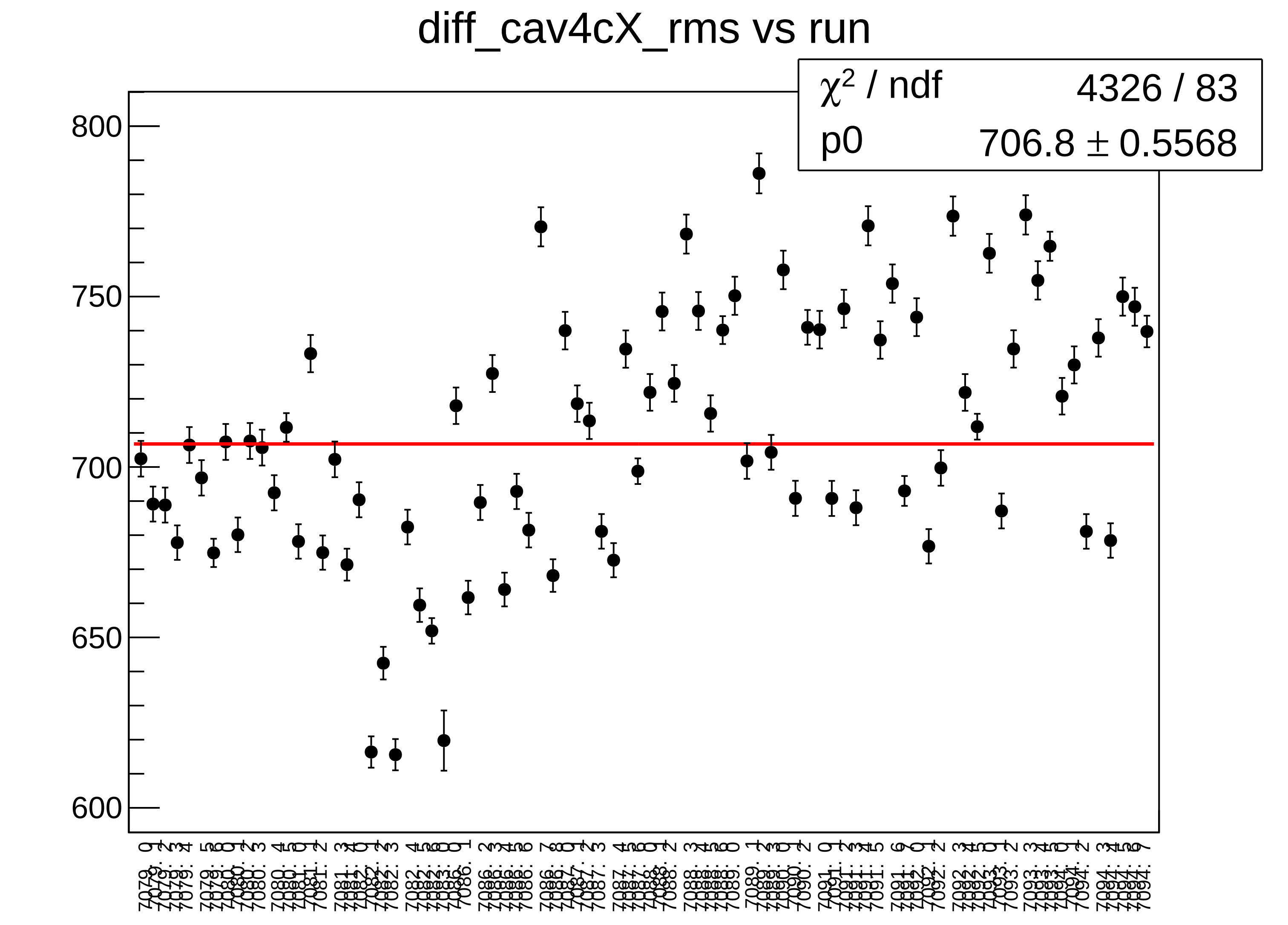

diff_cav4bX_mean vs run
χ^2 / ndf 90.04 / 83
p0 −28.64 ± 14.21
400
200
0
−200
−400
pull
Entries 84
Mean 404.5
Std Dev 376.7
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.01174
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_cav4bX_rms vs run
χ2 / ndf 4610 / 83
p0 1.275e+04 ± 10.05
14500
14000
13500
13000
12500
12000
11500
11000

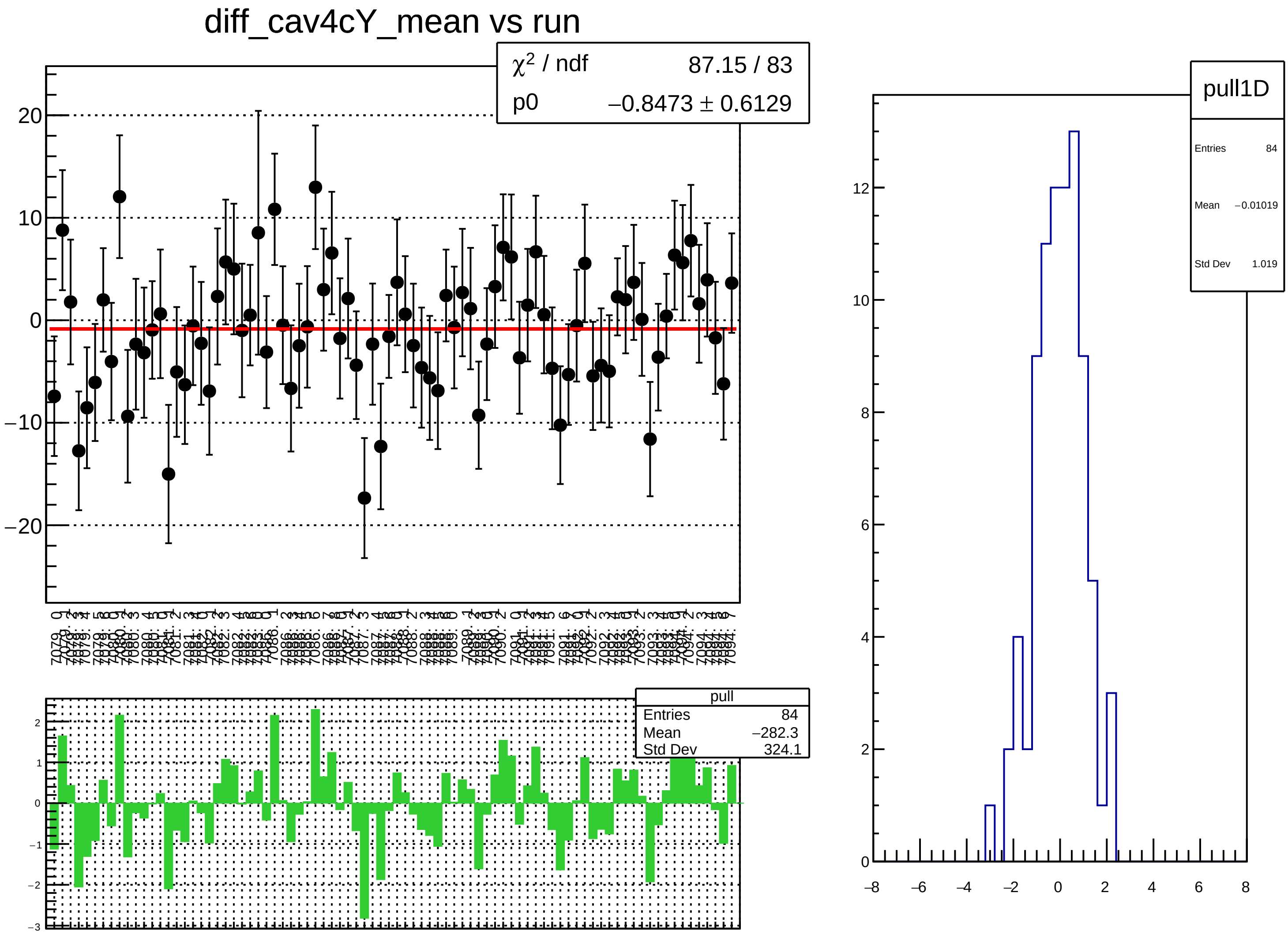

diff_cav4bY_mean vs run
χ^2 / ndf 86.72 / 83
p0 −7.778 ± 5.047
pull
Entries 84
Mean −359.4
Std Dev 400.3
pull1D
Entries 84
Mean −0.009132
Std Dev 1.016


diff_cav4bY_rms vs run
χ2 / ndf 5558 / 83
p0 4529 ± 3.569
5200
5000
4800
4600
4400
4200
4000

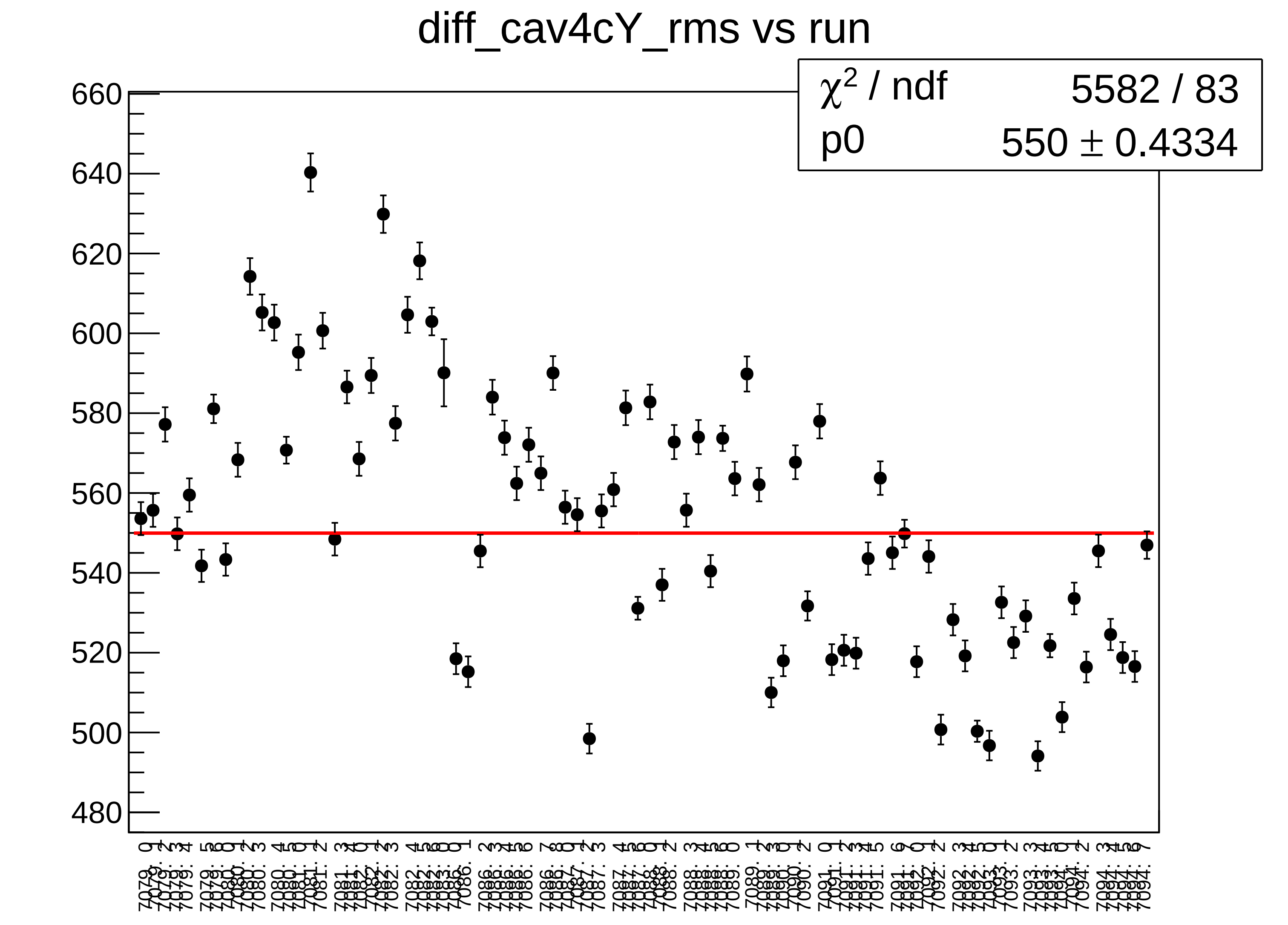

diff_cav4cX_mean vs run
χ^2 / ndf 89.73 / 83
p0 −1.564 ± 0.7874
pull
Entries 84
Mean 471.3
Std Dev 443.2
pull1D
Entries 84
Mean 0.01017
Std Dev 1.034



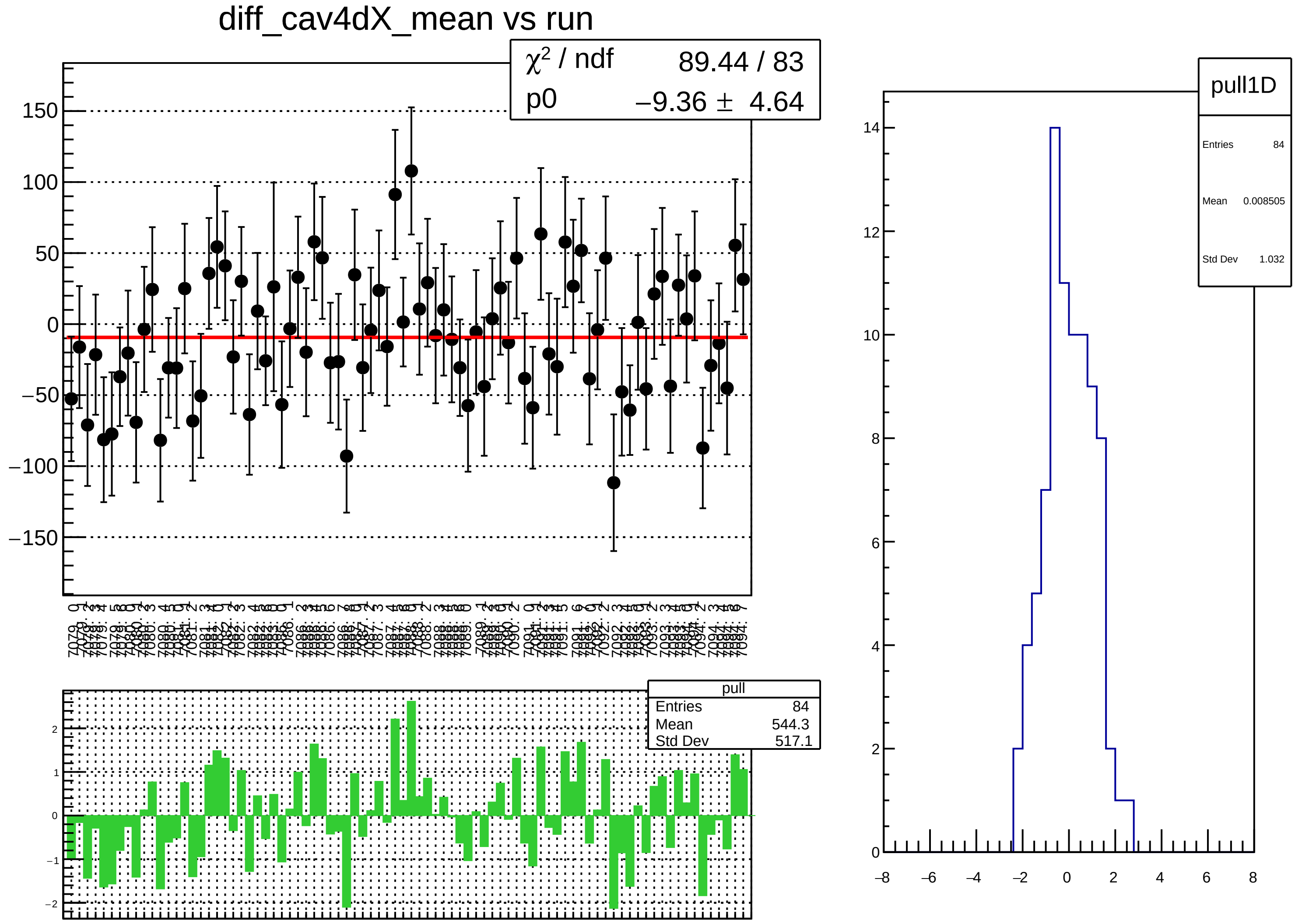
diff_cav4cX_rms vs run
χ^2 / ndf 4326 / 83
p0 706.8 ± 0.5568
800
750
700
650
600



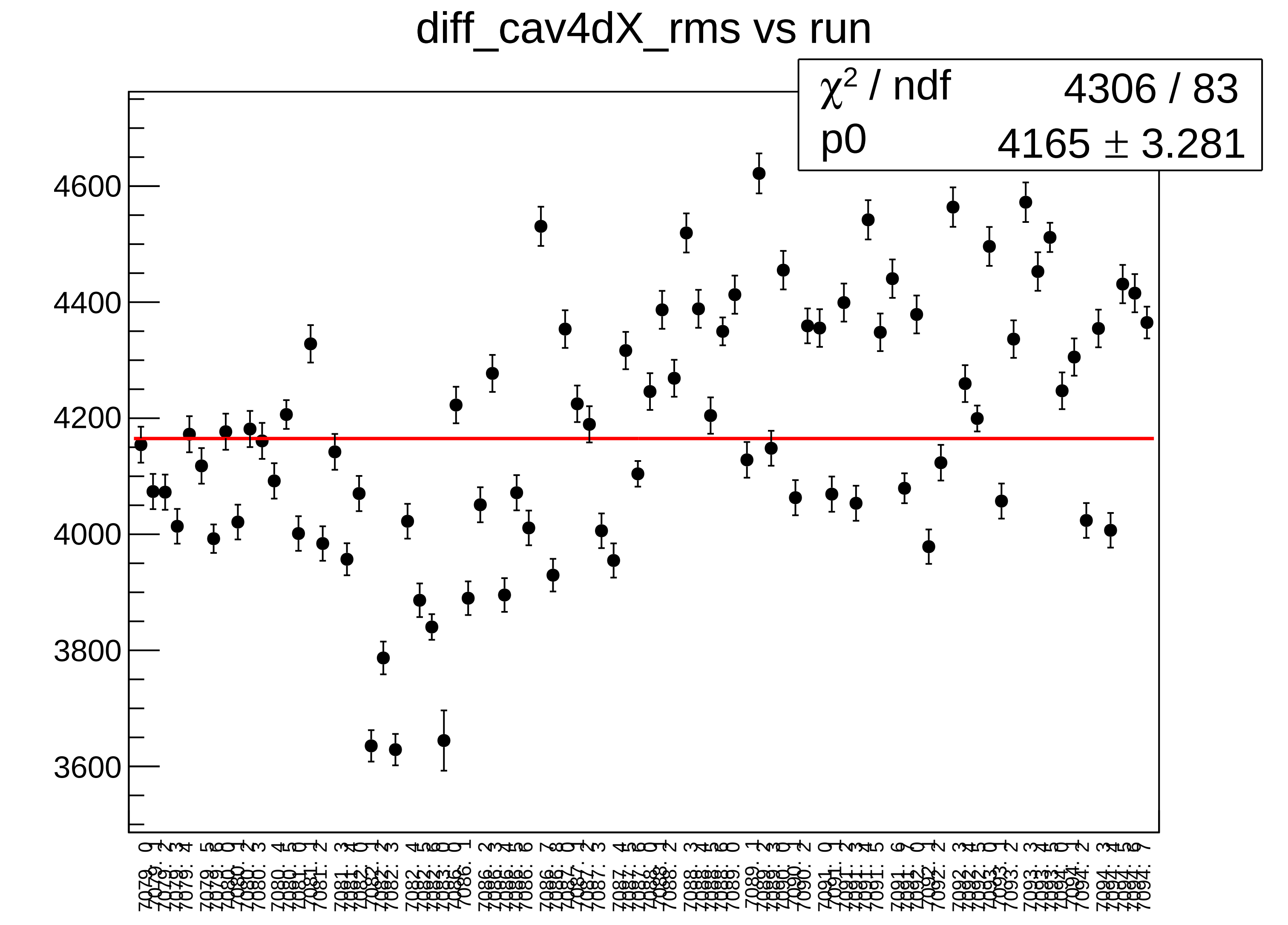
diff_cav4cY_mean vs run
χ^2 / ndf 87.15 / 83
p0 −0.8473 ± 0.6129
pull
Entries 84
Mean −282.3
Std Dev 324.1
pull1D
Entries 84
Mean −0.01019
Std Dev 1.019



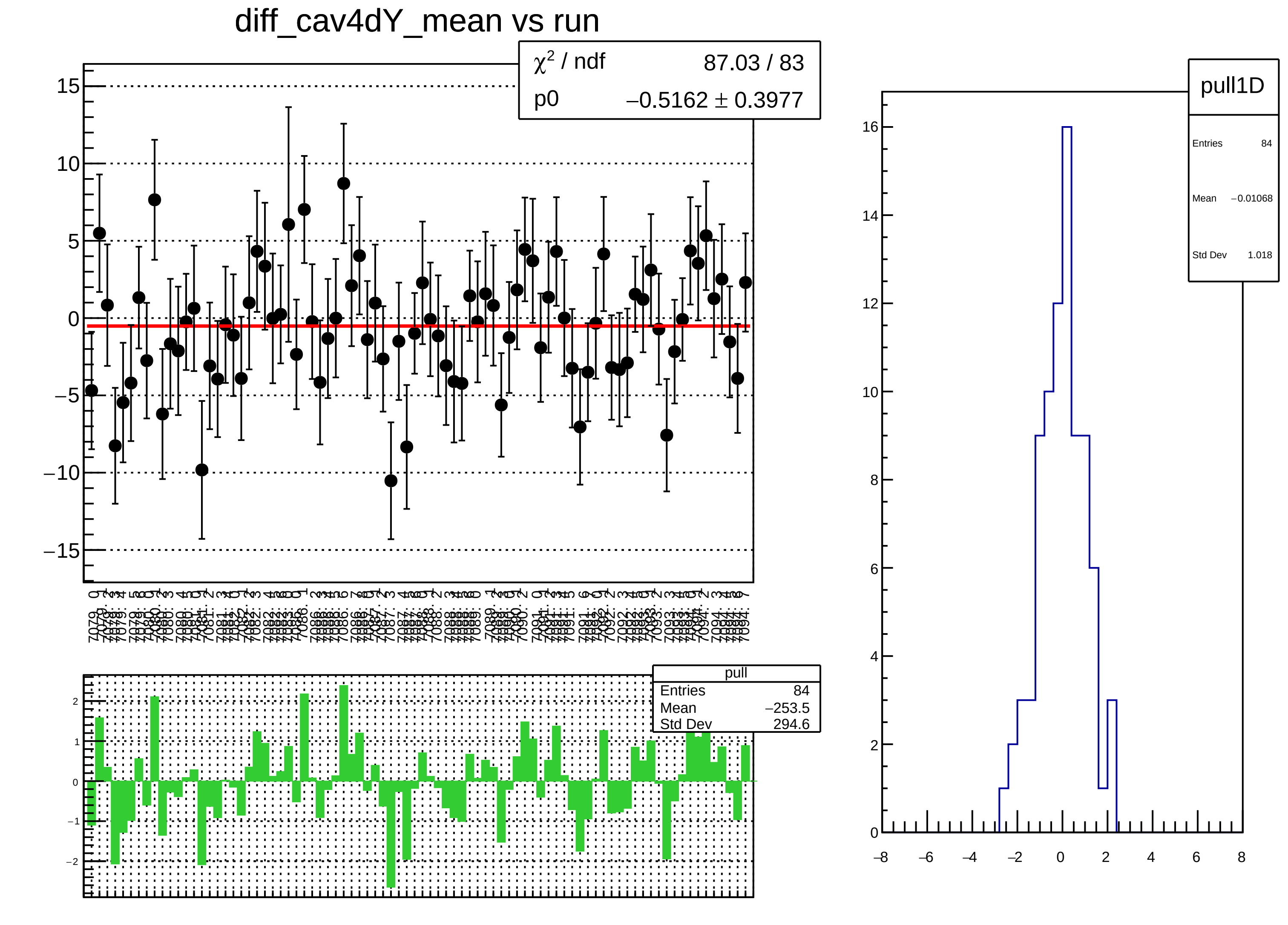
diff_cav4cY_rms vs run
χ2 / ndf 5582 / 83
p0 550 ± 0.4334
660
640
620
600
580
560
540
520
500
480



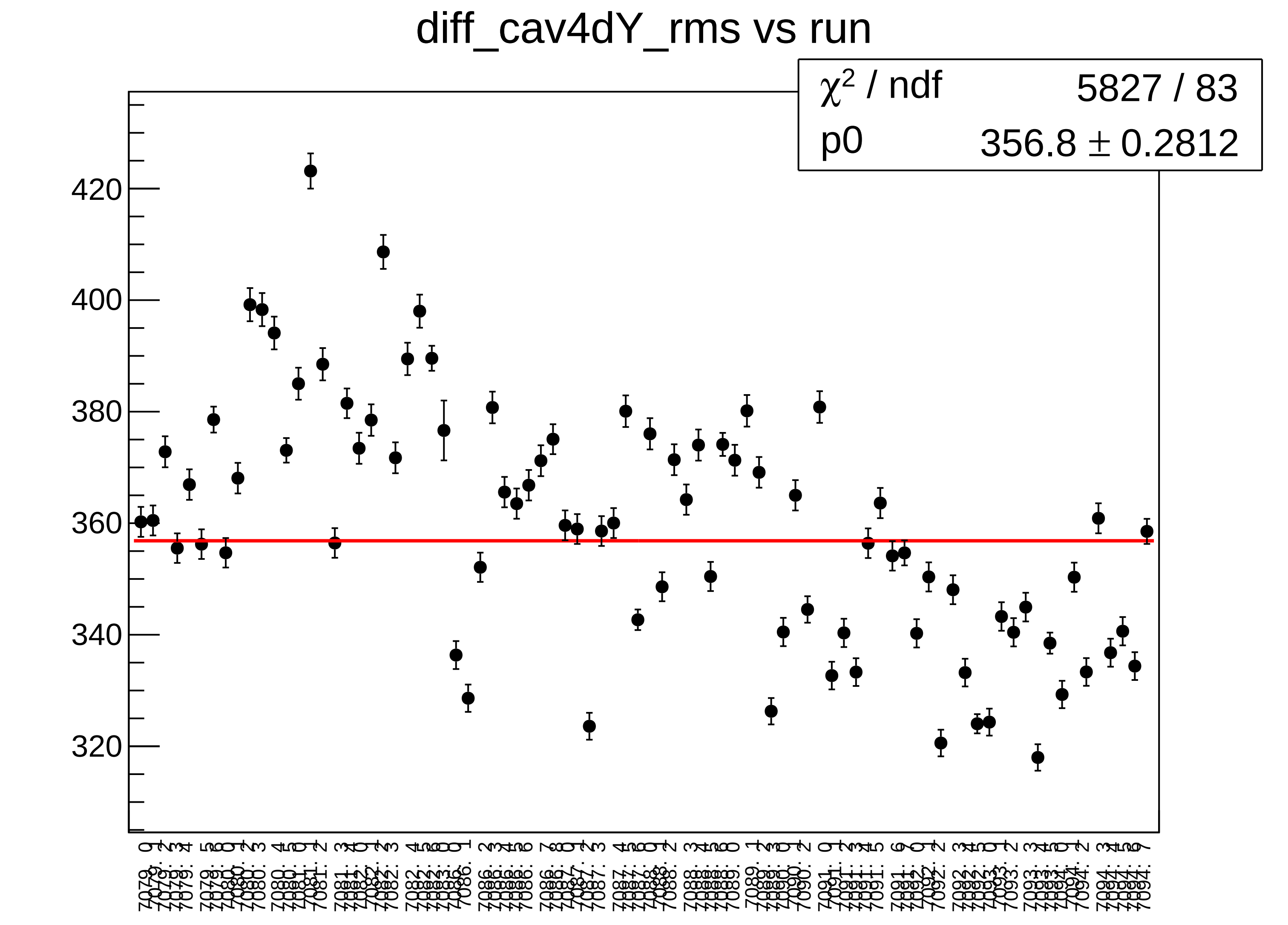
diff_cav4dX_mean vs run
χ^2 / ndf 89.44 / 83
p0 −9.36 ± 4.64
pull
Entries 84
Mean 544.3
Std Dev 517.1
pull1D
Entries 84
Mean 0.008505
Std Dev 1.032

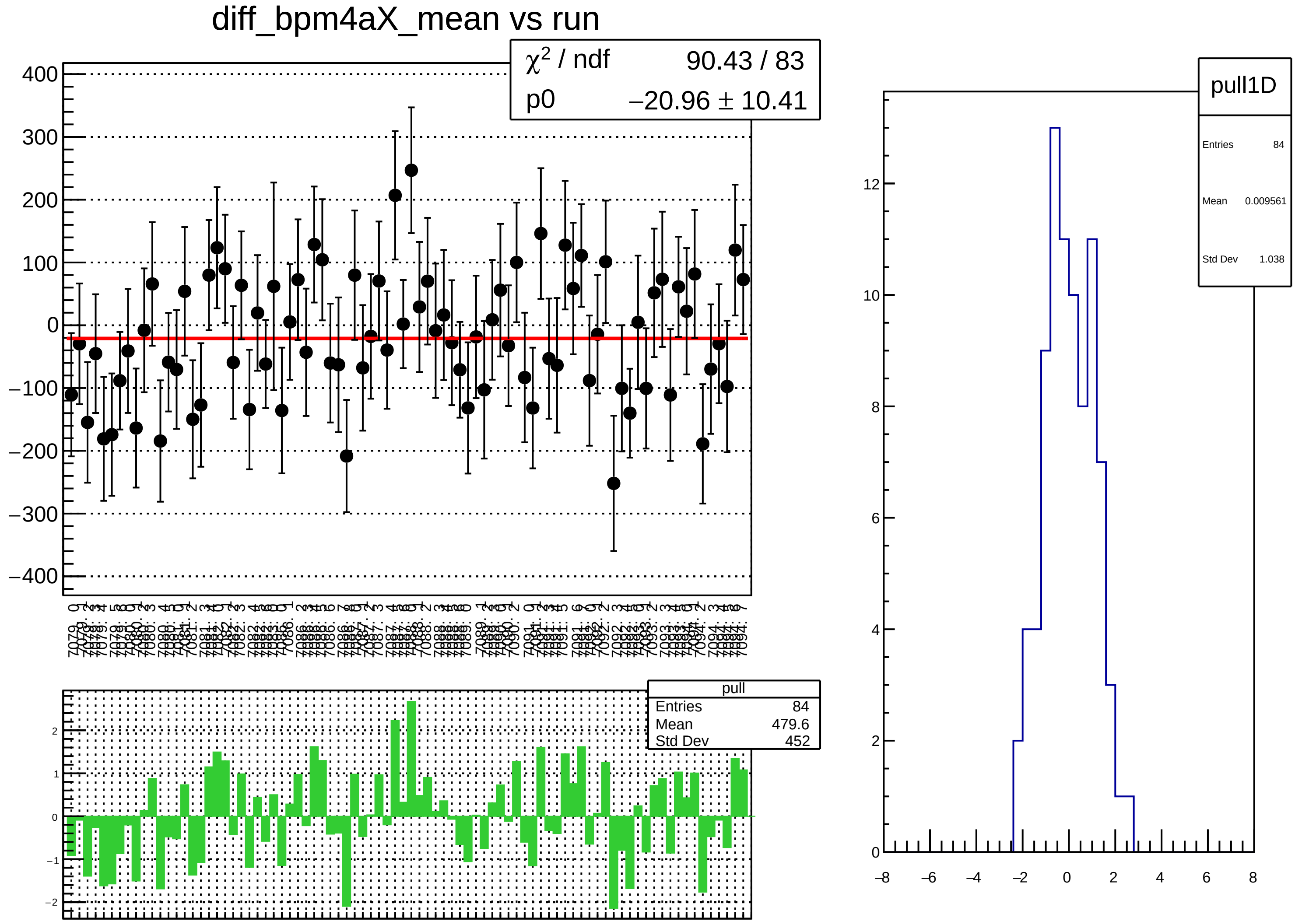


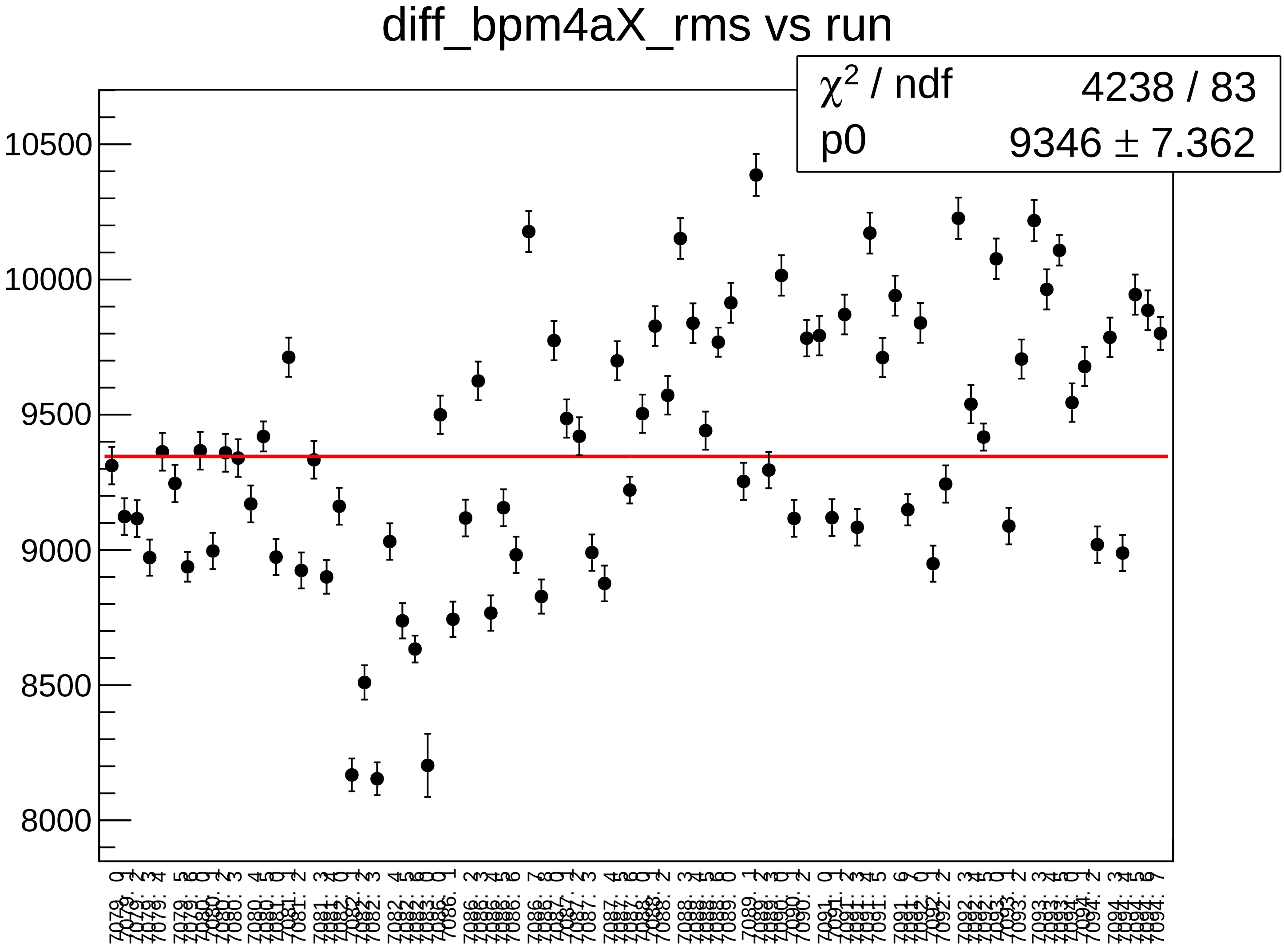
diff_cav4dX_rms vs run
χ^2 / ndf 4306 / 83
p0 4165 ± 3.281
4600
4400
4200
4000
3800
3600



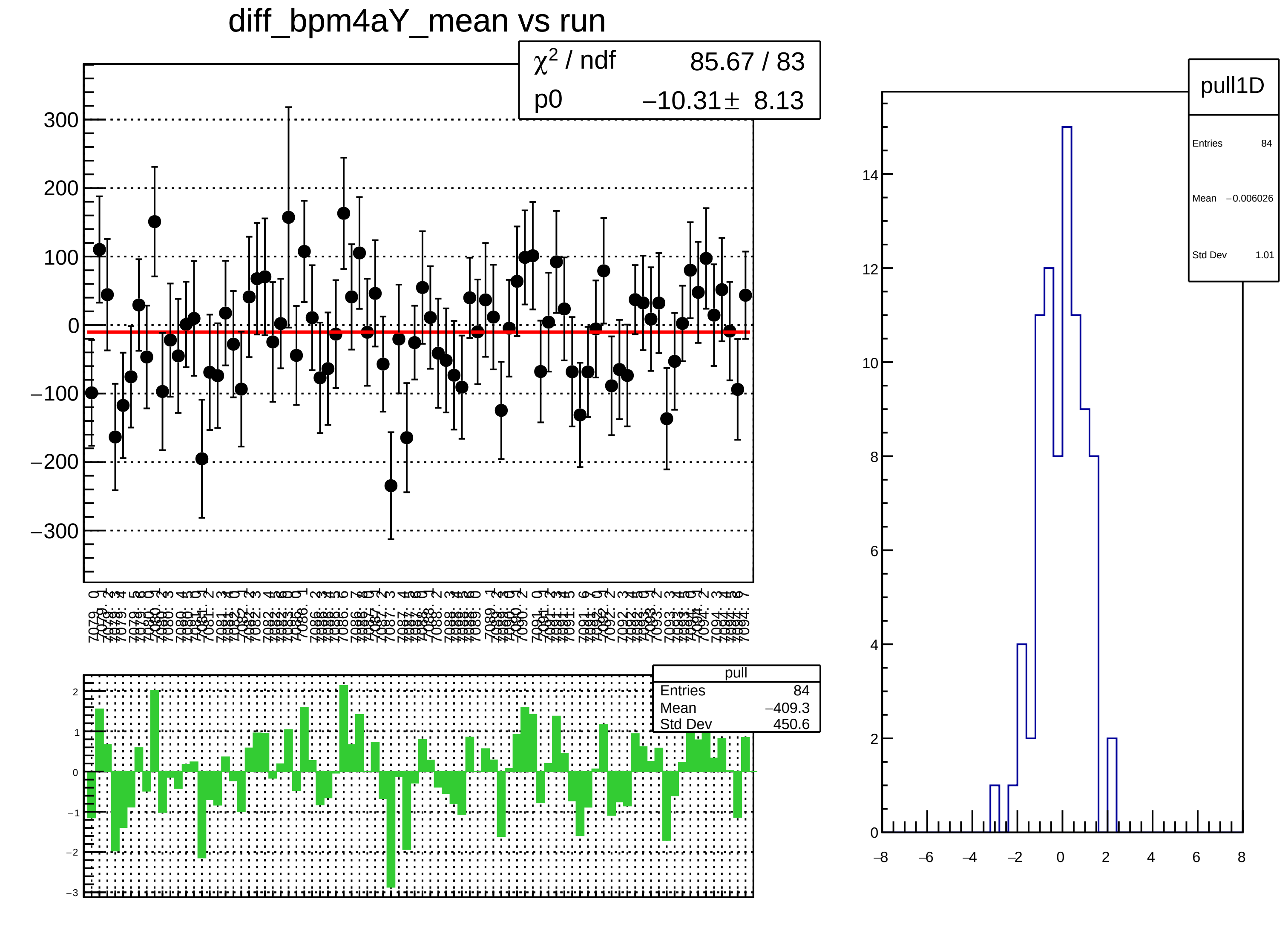
diff_cav4dY_mean vs run
χ2 / ndf 87.03 / 83
p0 −0.5162 ± 0.3977
pull
Entries 84
Mean −253.5
Std Dev 294.6
pull1D
Entries 84
Mean −0.01068
Std Dev 1.018


diff_cav4dY_rms vs run
χ^2 / ndf 5827 / 83
p0 356.8 ± 0.2812
420
400
380
360
340
320

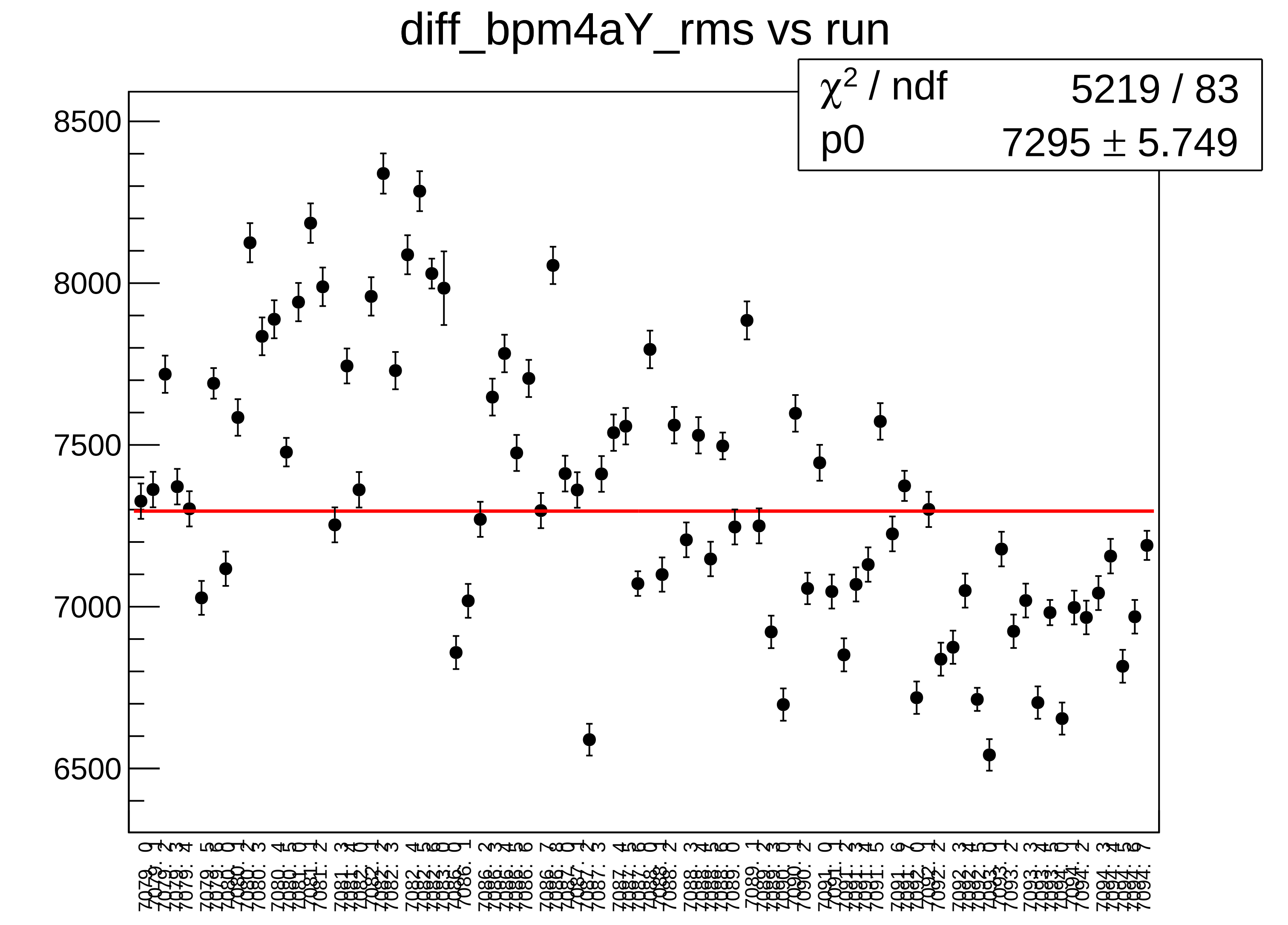

diff_bpm4aX_mean vs run
χ^2 / ndf 90.43 / 83
p0 −20.96 ± 10.41
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 84
Mean 479.6
Std Dev 452
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.009561
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



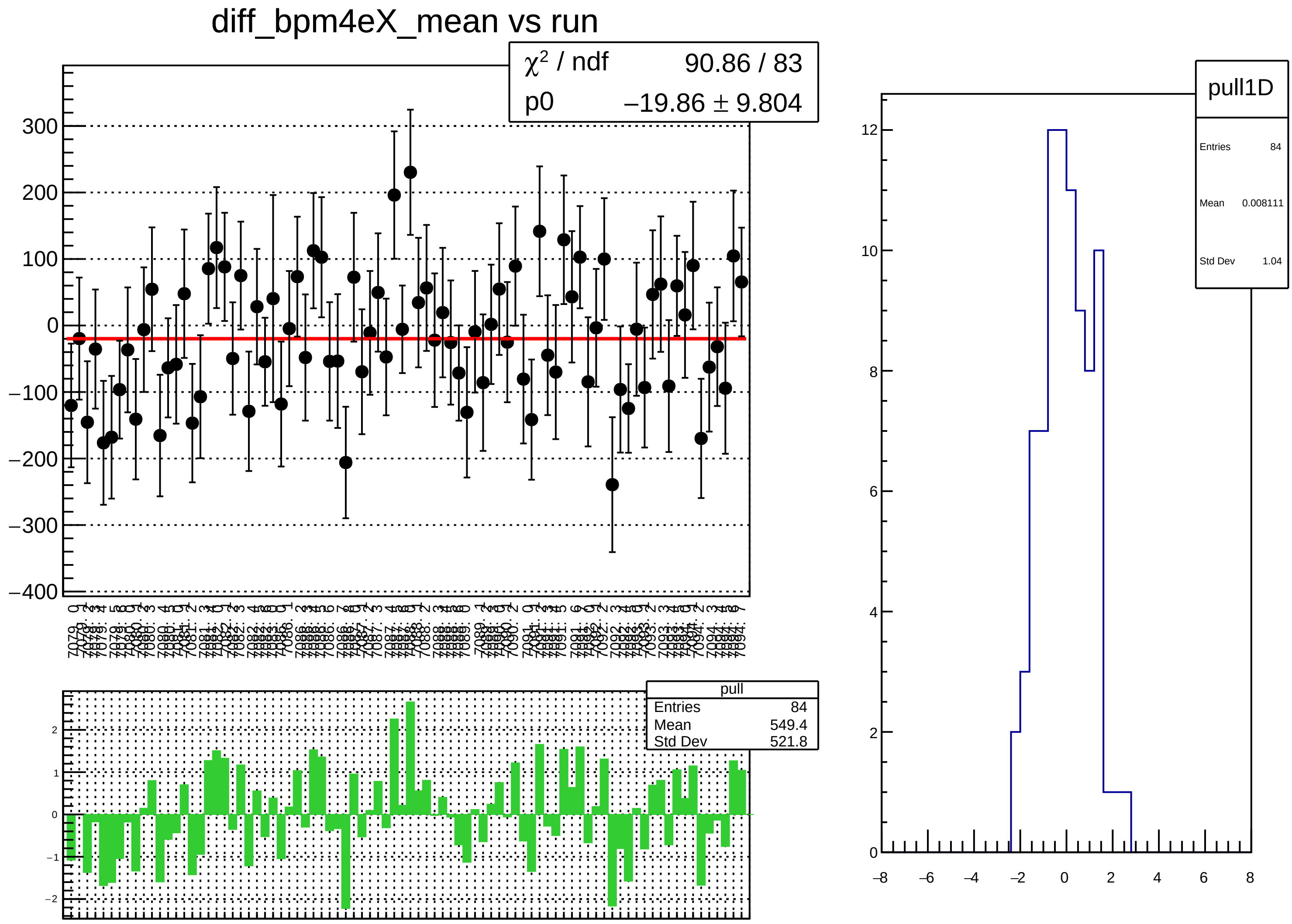
diff_bpm4aX_rms vs run
χ^2 / ndf 4238 / 83
p0 9346 ± 7.362
10500
10000
9500
9000
8500
8000

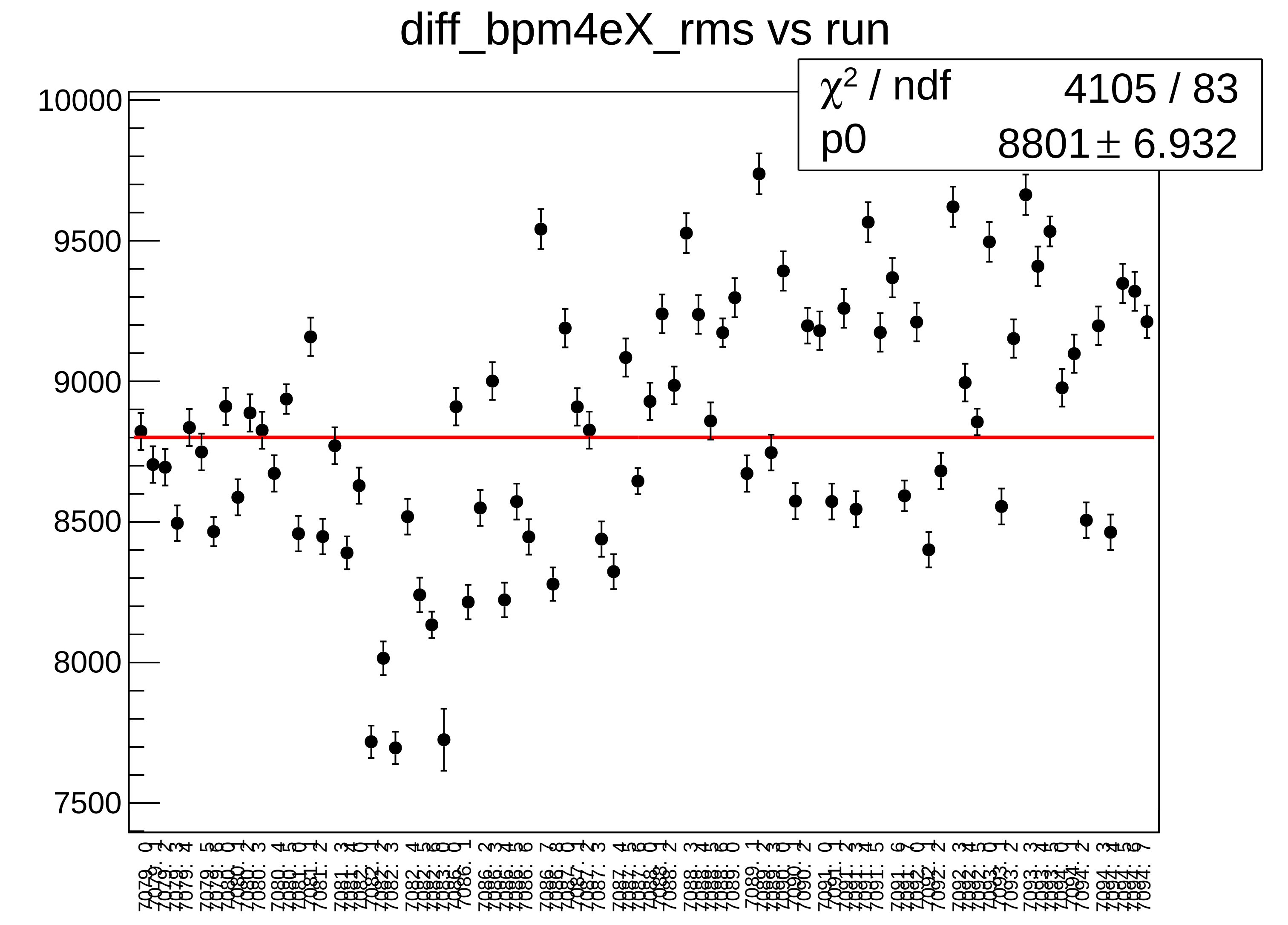


diff_bpm4aY_mean vs run
χ^2 / ndf 85.67 / 83
p0 −10.31 ± 8.13
pull
Entries 84
Mean −409.3
Std Dev 450.6
pull1D
Entries 84
Mean −0.006026
Std Dev 1.01

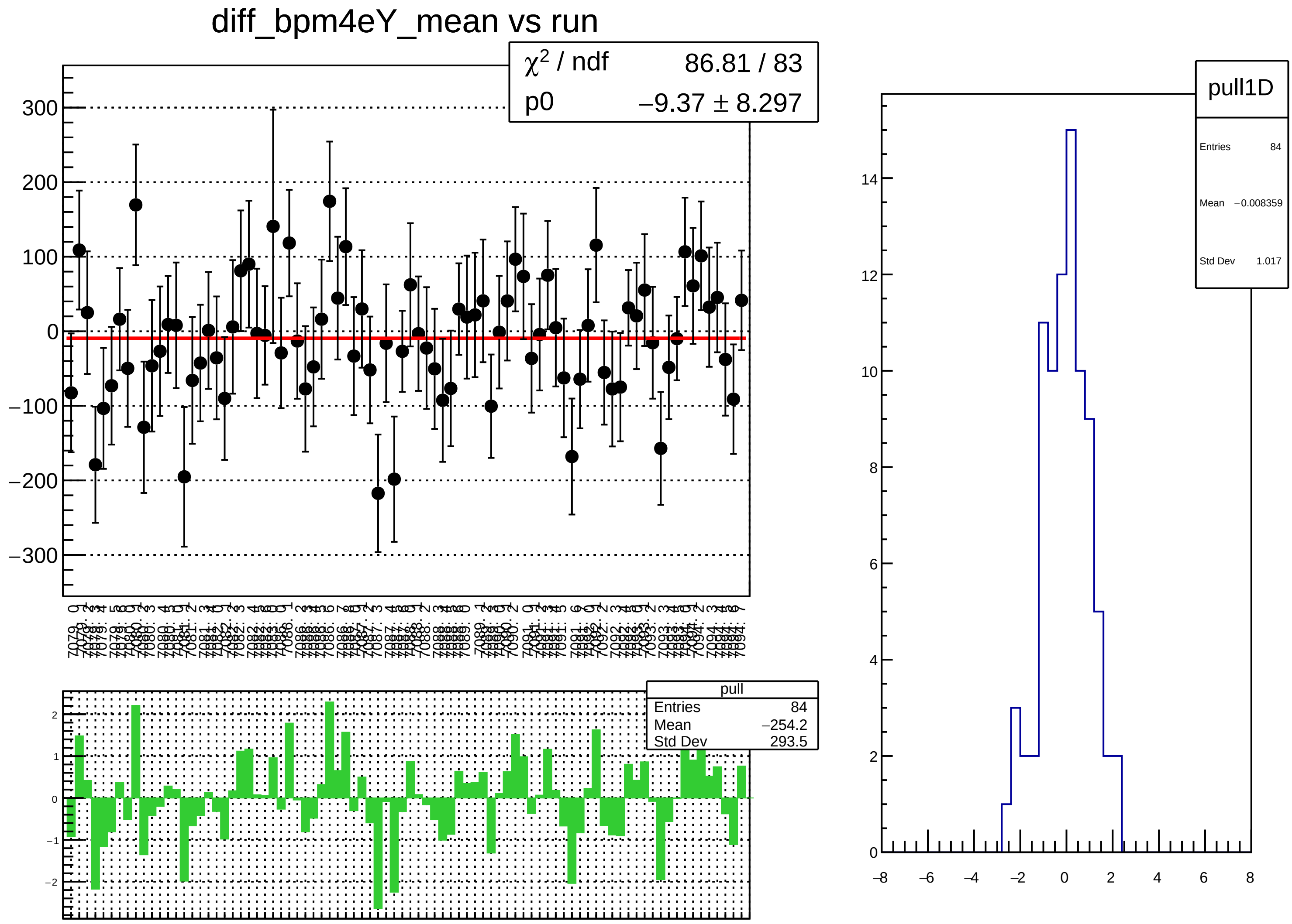


diff_bpm4aY_rms vs run
χ^2 / ndf 5219 / 83
p0 7295 ± 5.749
8500
8000
7500
7000
6500

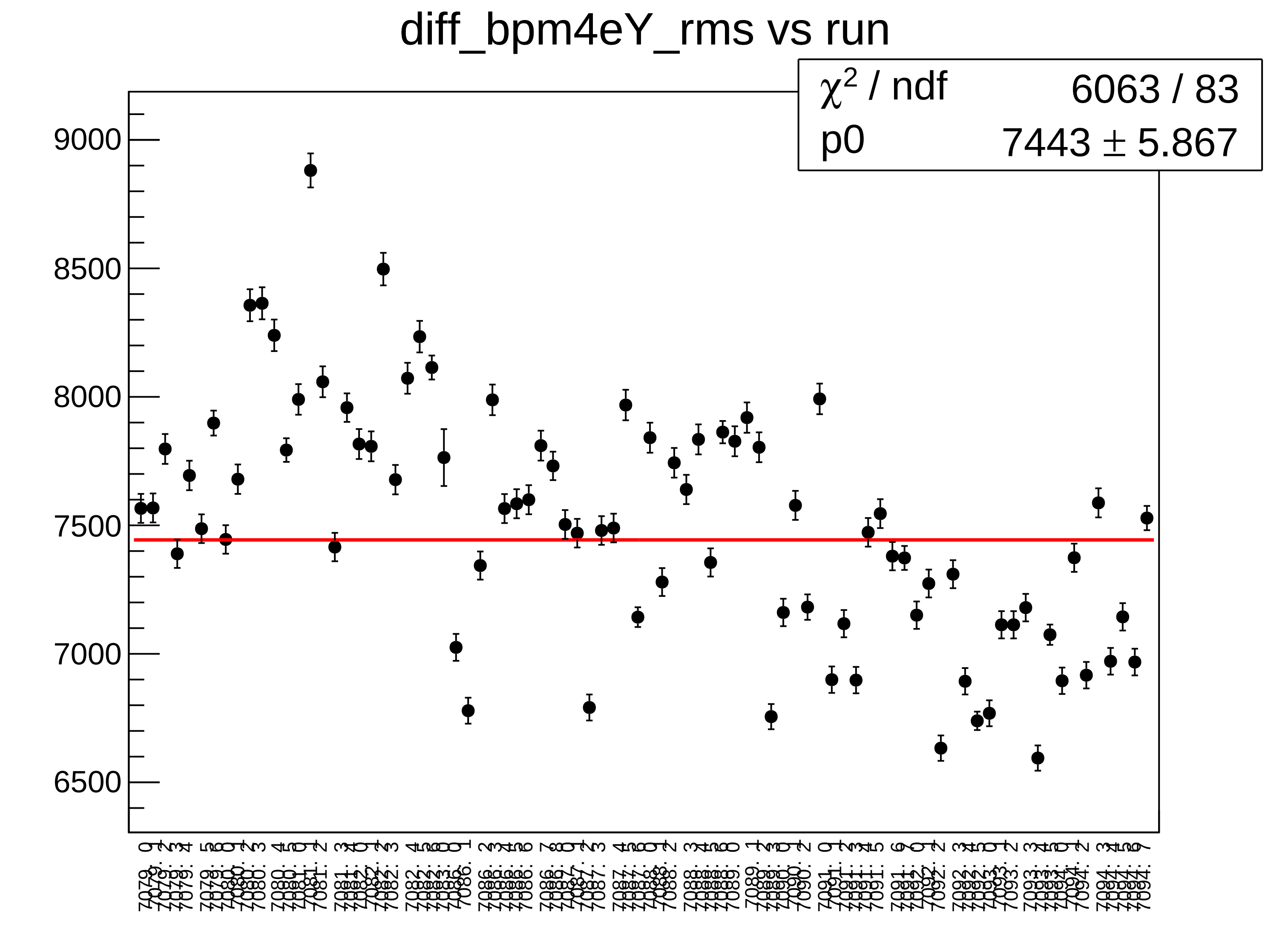

diff_bpm4eX_mean vs run
χ^2 / ndf 90.86 / 83
p0 −19.86 ± 9.804
pull
Entries 84
Mean 549.4
Std Dev 521.8
pull1D
Entries 84
Mean 0.008111
Std Dev 1.04

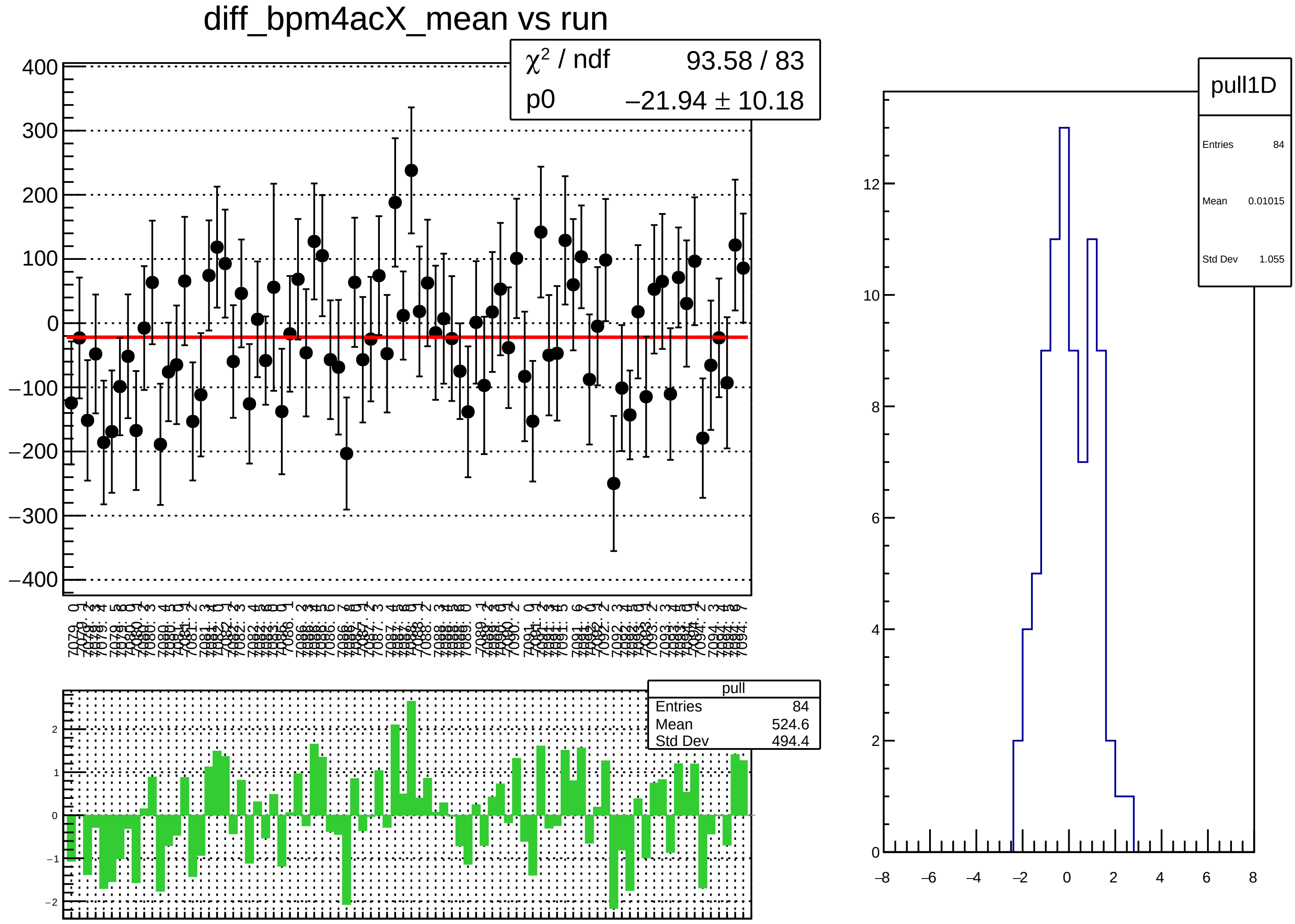


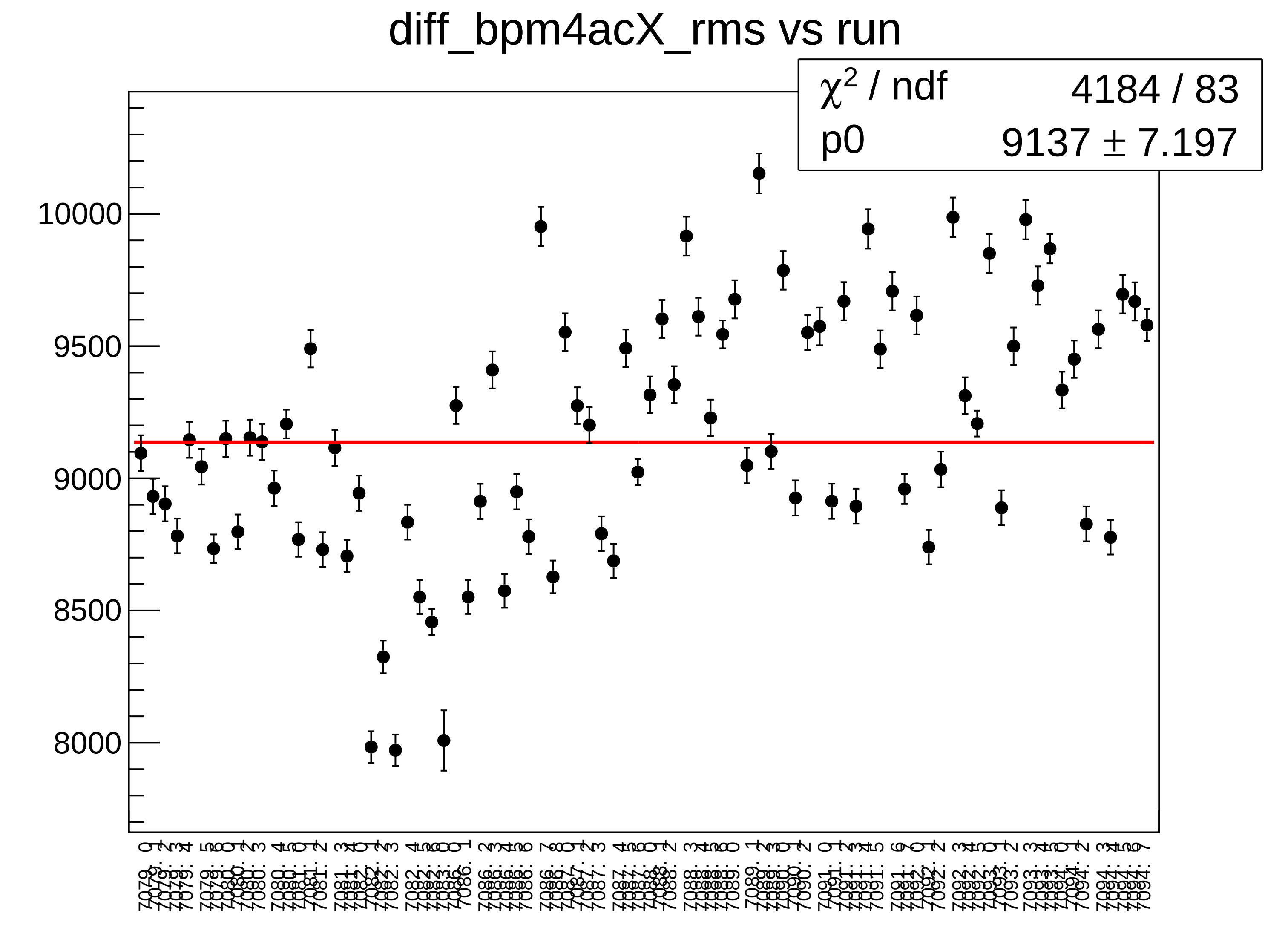
diff_bpm4eX_rms vs run
χ^2 / ndf 4105 / 83
p0 8801 ± 6.932
10000
9500
9000
8500
8000
7500

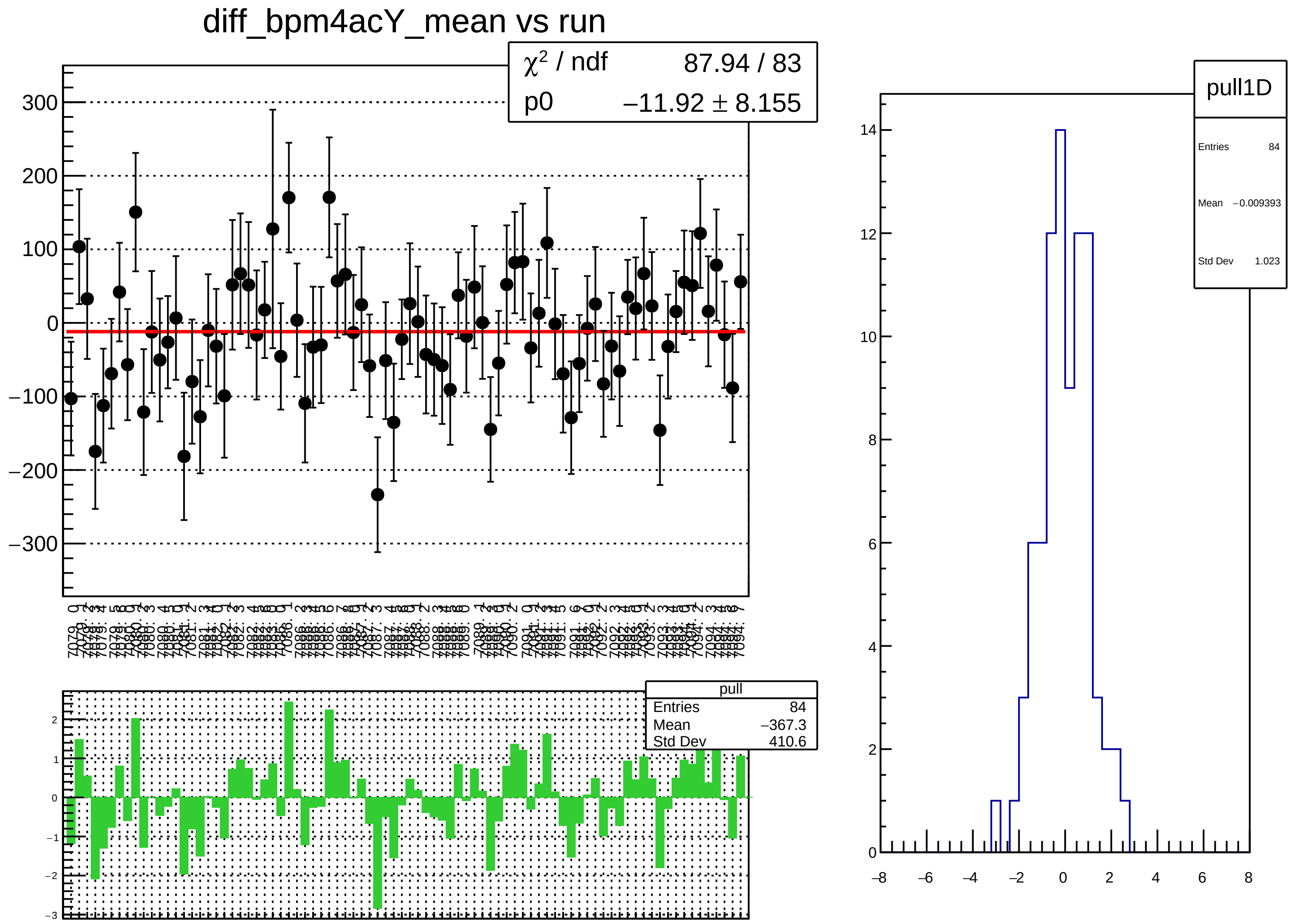


diff_bpm4eY_mean vs run
χ^2 / ndf 86.81 / 83
p0 −9.37 ± 8.297
pull
Entries 84
Mean −254.2
Std Dev 293.5
pull1D
Entries 84
Mean −0.008359
Std Dev 1.017

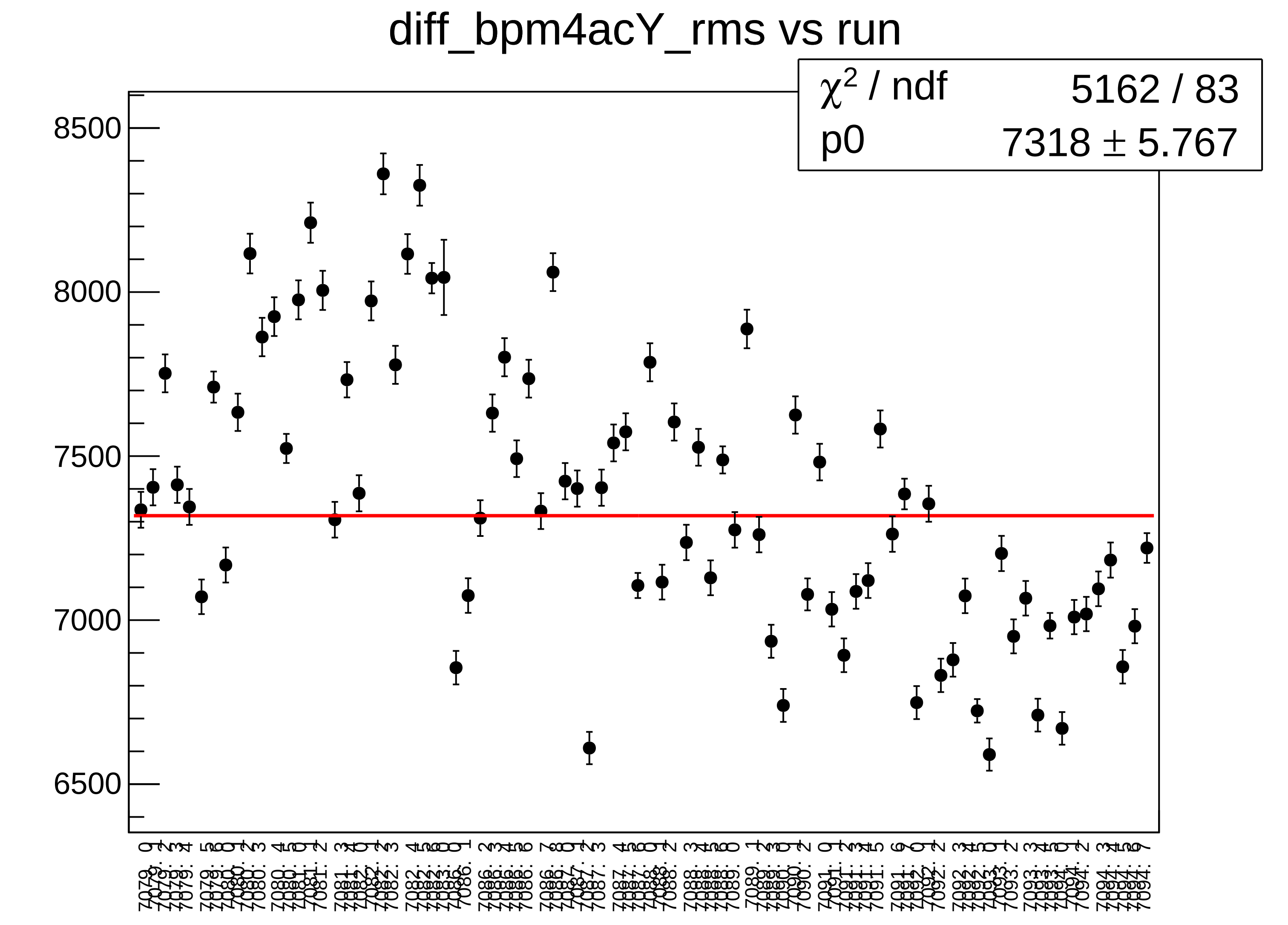

diff_bpm4eY_rms vs run
χ^2 / ndf 6063 / 83
p0 7443 ± 5.867
9000
8500
8000
7500
7000
6500

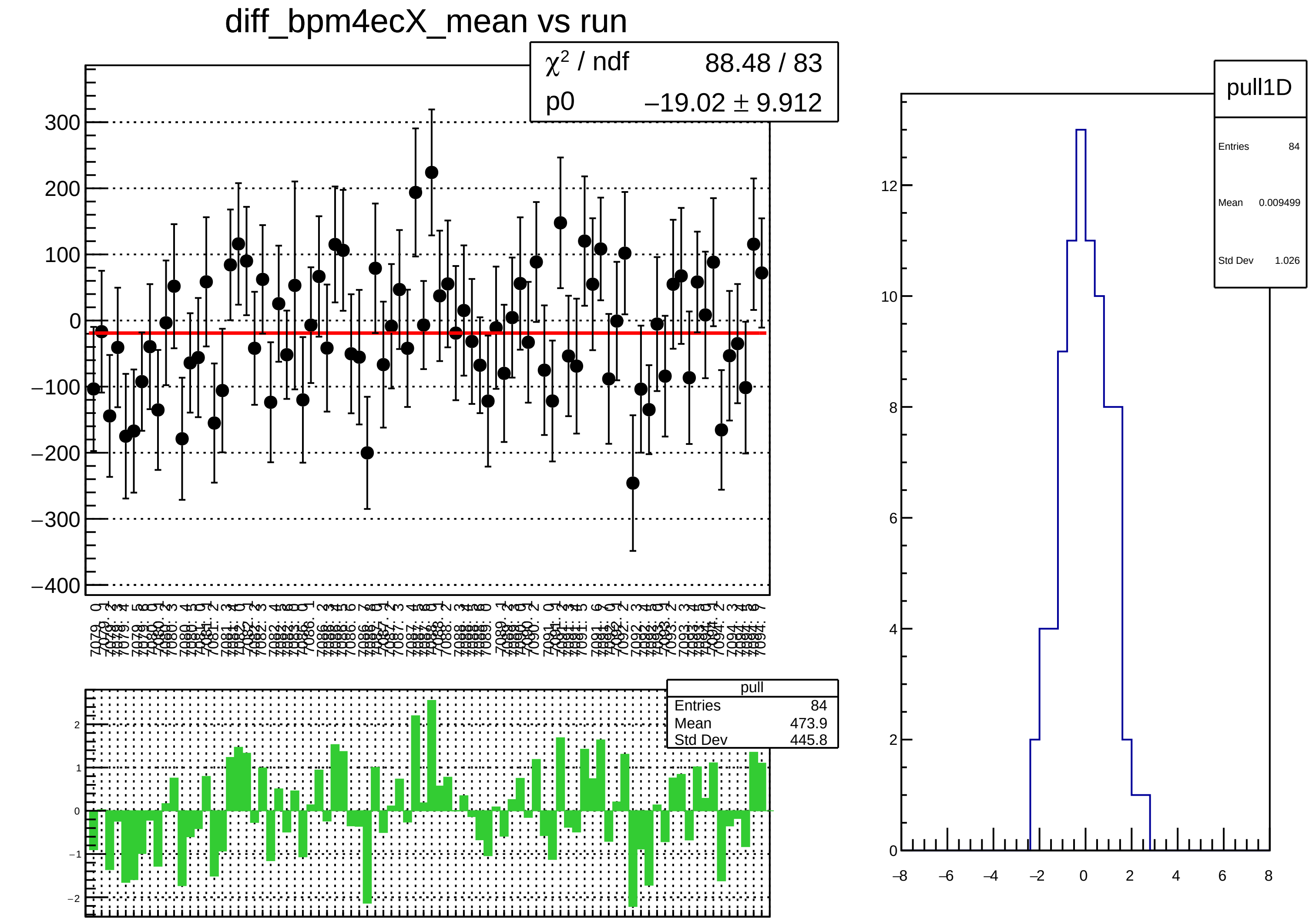

diff_bpm4acX_mean vs run
χ^2 / ndf 93.58 / 83
p0 −21.94 ± 10.18
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 84
Mean 524.6
Std Dev 494.4
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.01015
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4acX_rms vs run
χ^2 / ndf 4184 / 83
p0 9137 ± 7.197
10000
9500
9000
8500
8000

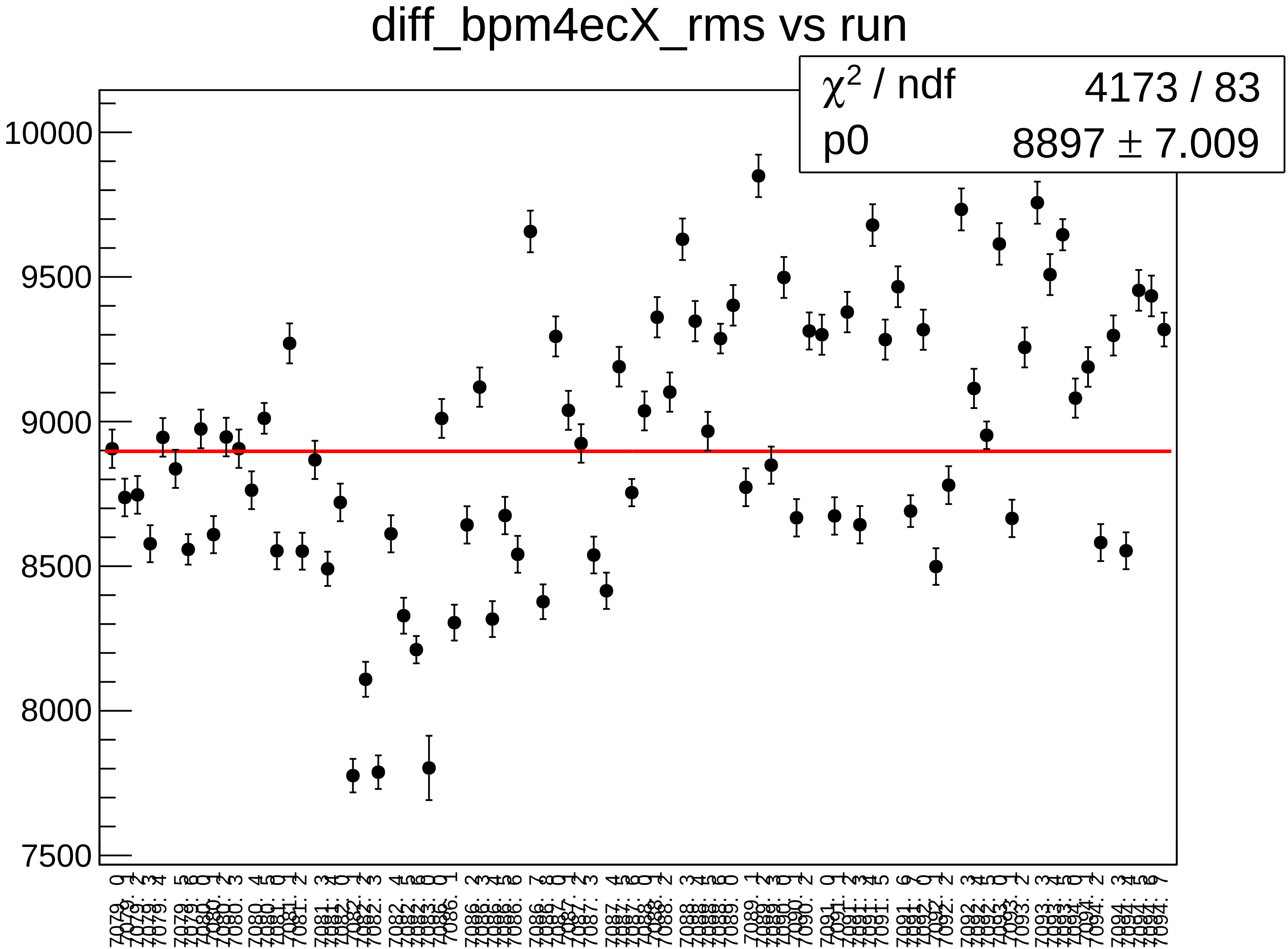


diff_bpm4acY_mean vs run
χ^2 / ndf 87.94 / 83
p0 −11.92 ± 8.155
pull
Entries 84
Mean −367.3
Std Dev 410.6
pull1D
Entries 84
Mean −0.009393
Std Dev 1.023

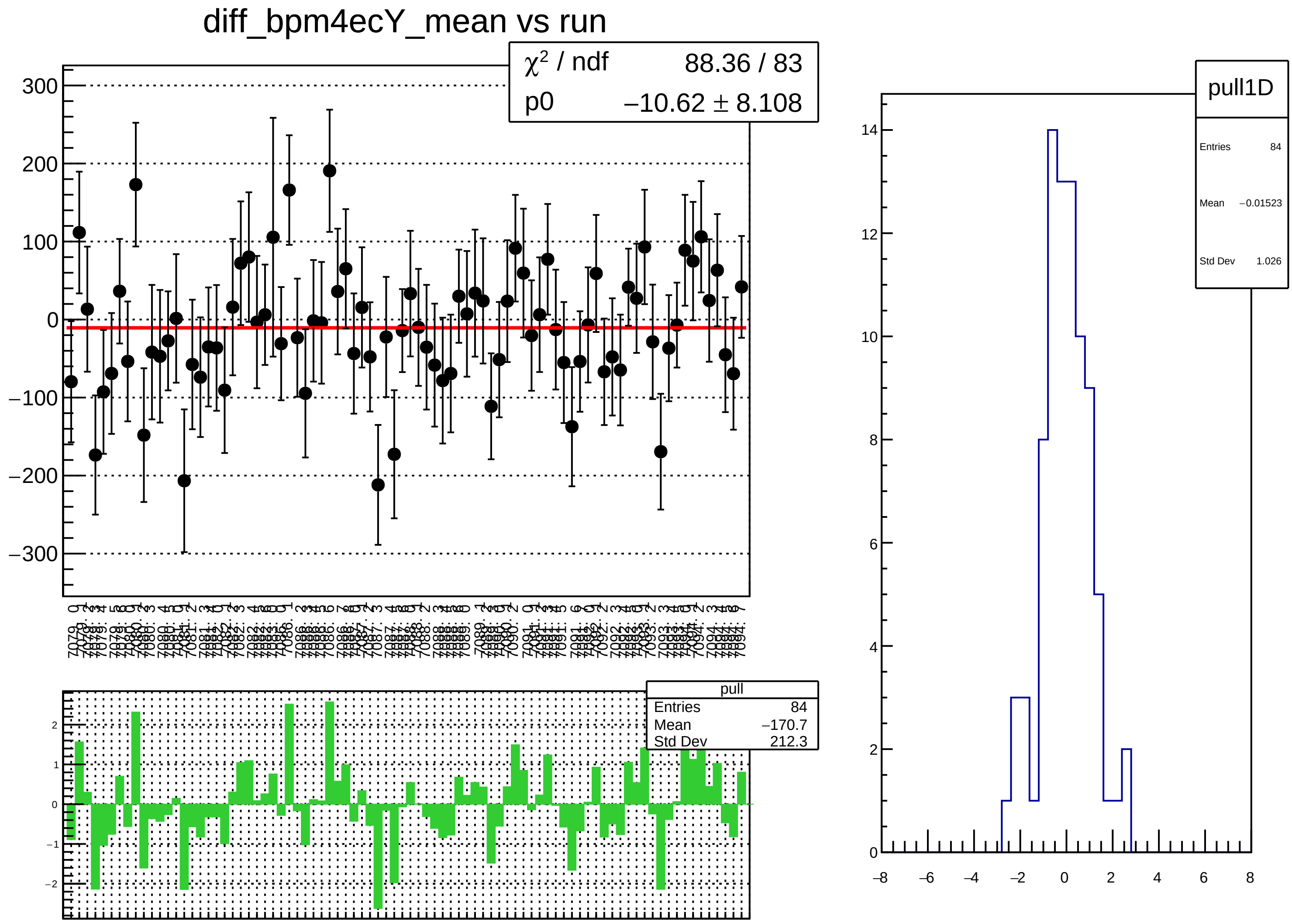

diff_bpm4acY_rms vs run
χ2 / ndf 5162 / 83
p0 7318 ± 5.767
8500
8000
7500
7000
6500

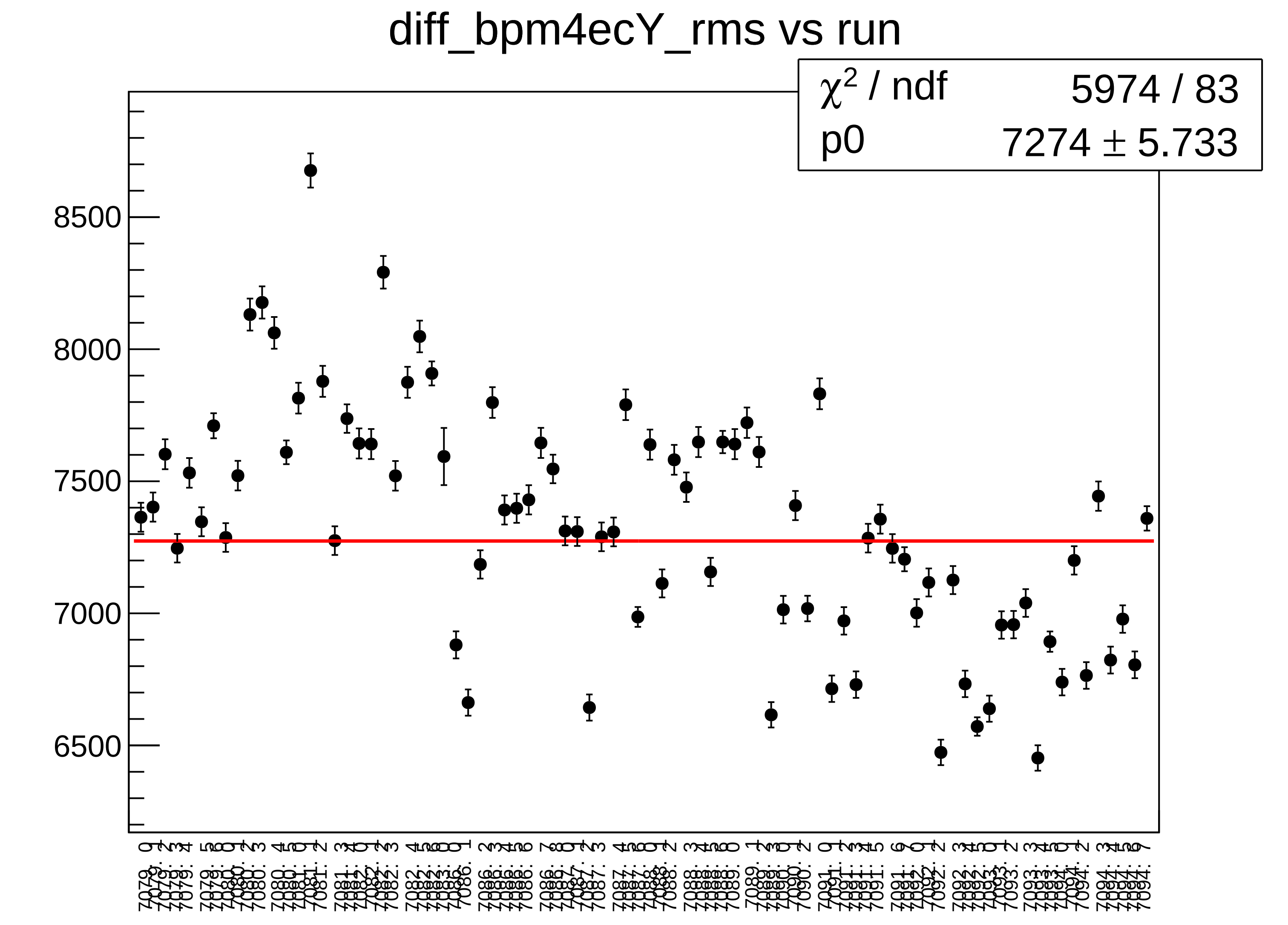


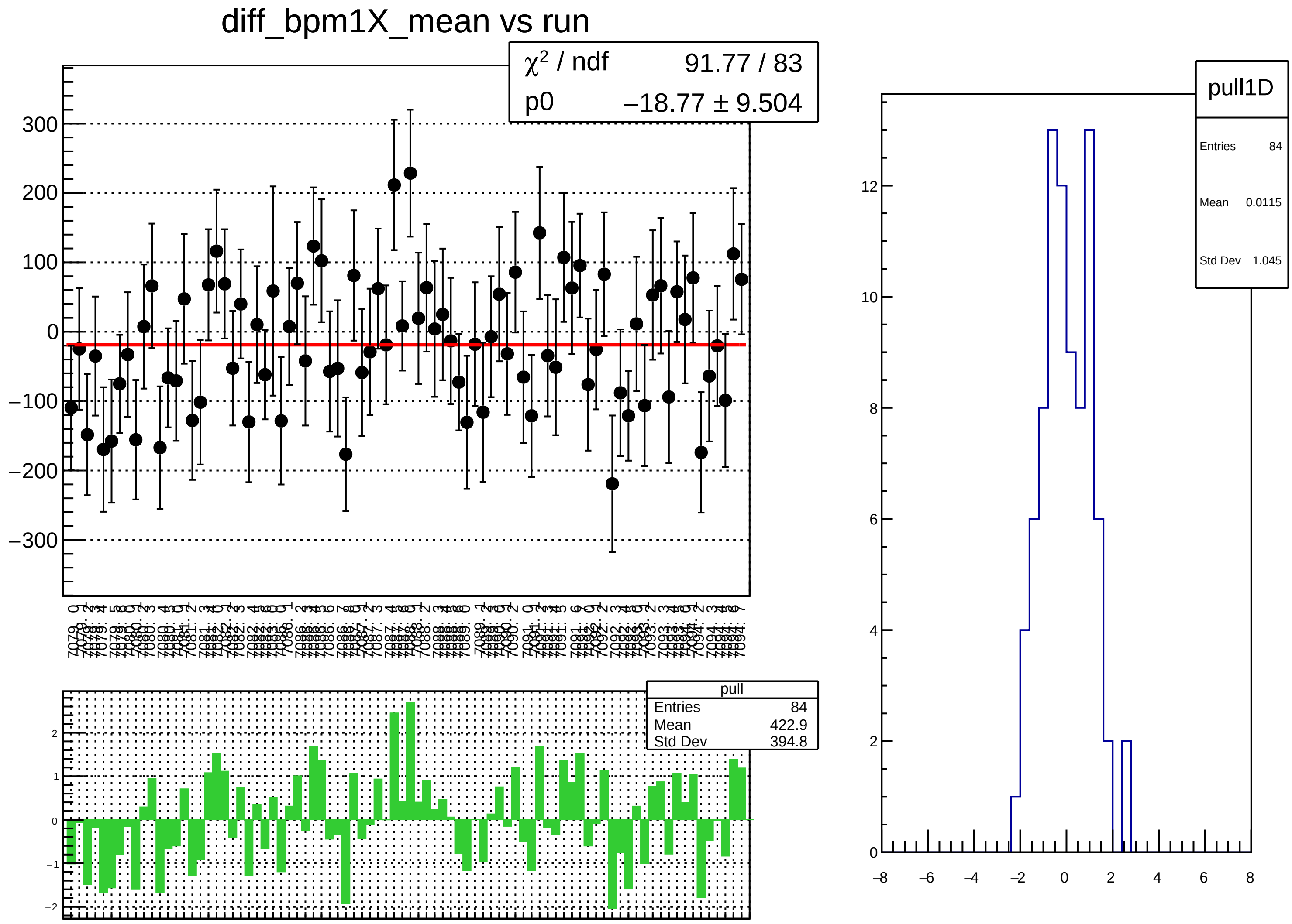
diff_bpm4ecX_mean vs run
χ2 / ndf 88.48 / 83
p0 −19.02 ± 9.912
pull
Entries 84
Mean 473.9
Std Dev 445.8
pull1D
Entries 84
Mean 0.009499
Std Dev 1.026



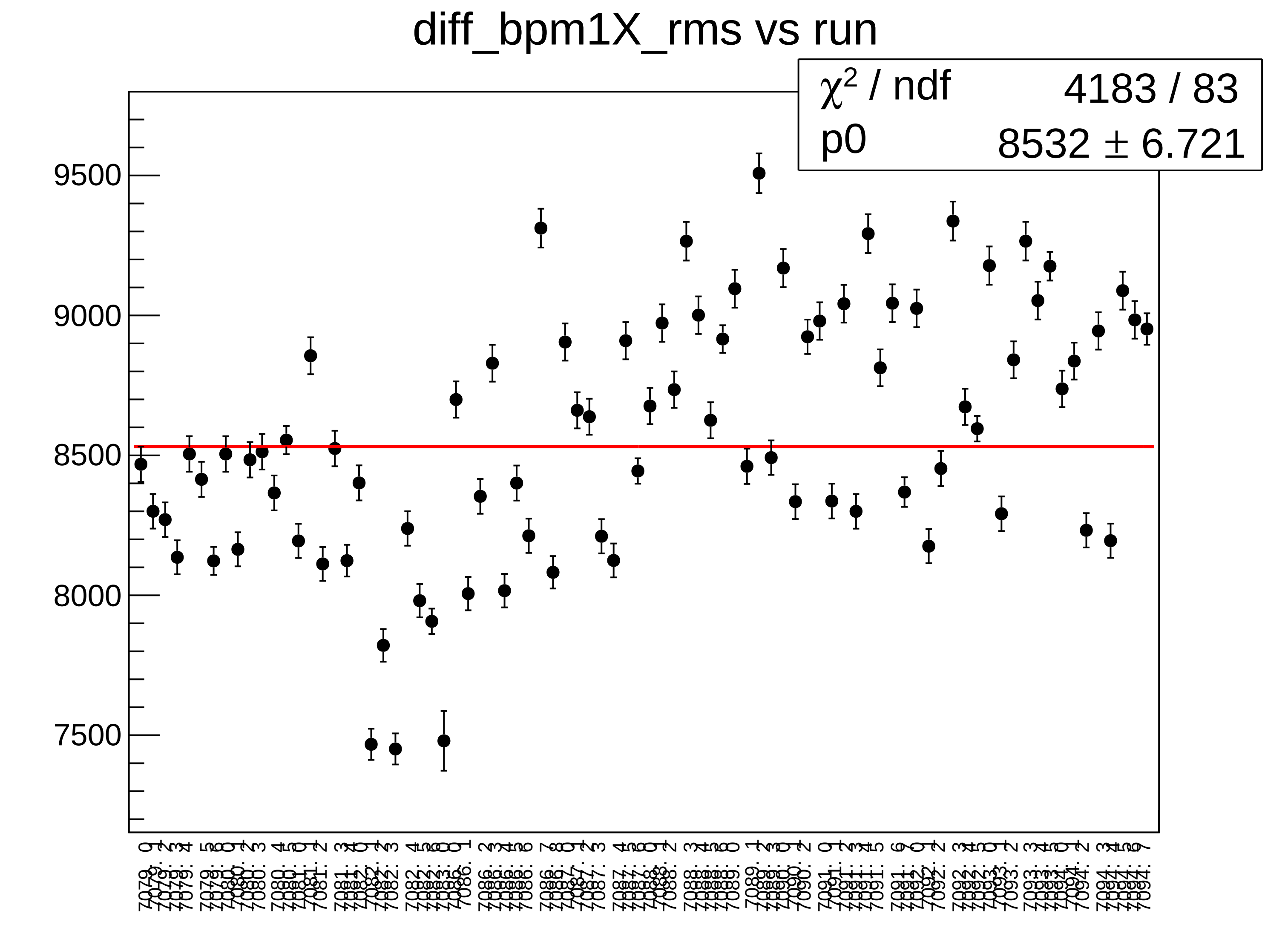
diff_bpm4ecX_rms vs run
χ2 / ndf 4173 / 83
p0 8897 ± 7.009
10000
9500
9000
8500
8000
7500

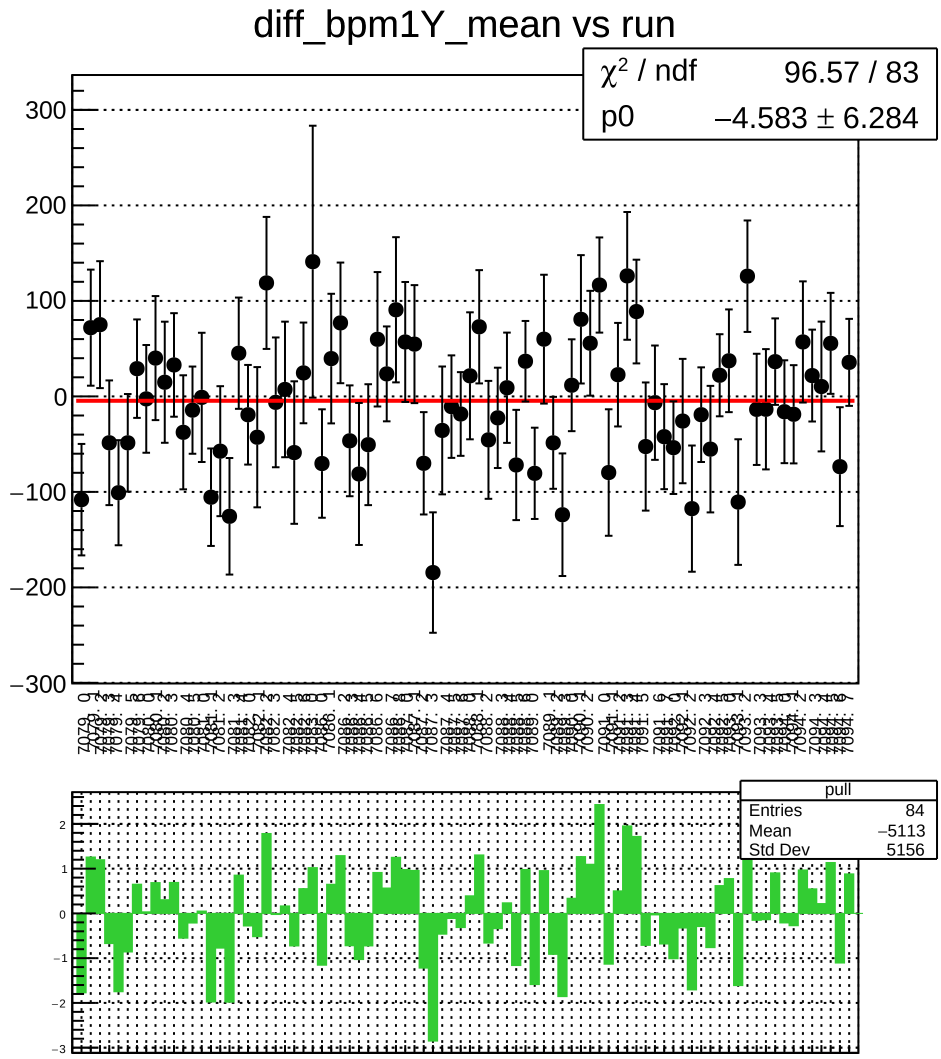

diff_bpm4ecY_mean vs run
χ^2 / ndf 88.36 / 83
p0 −10.62 ± 8.108
pull
Entries 84
Mean −170.7
Std Dev 212.3
pull1D
Entries 84
Mean −0.01523
Std Dev 1.026

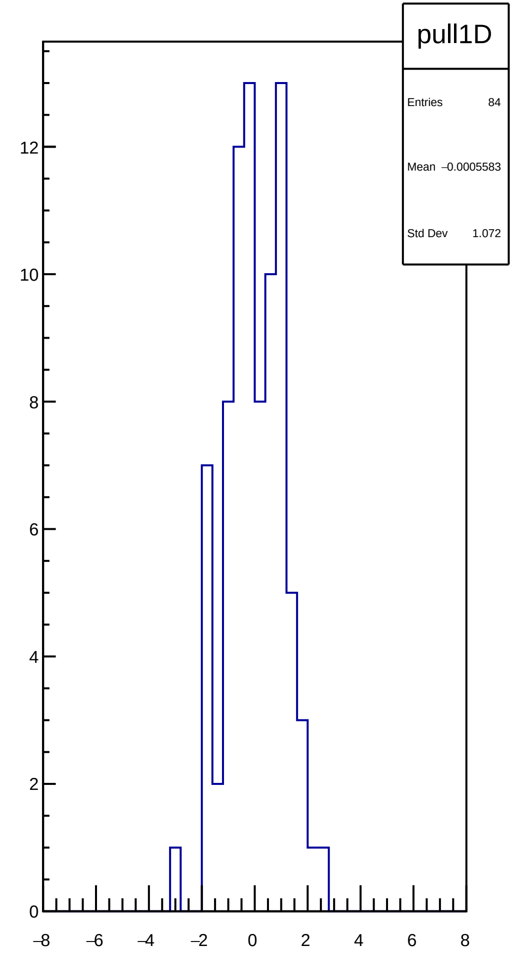

diff_bpm4ecY_rms vs run
χ² / ndf 5974 / 83
p0 7274 ± 5.733
8500
8000
7500
7000
6500

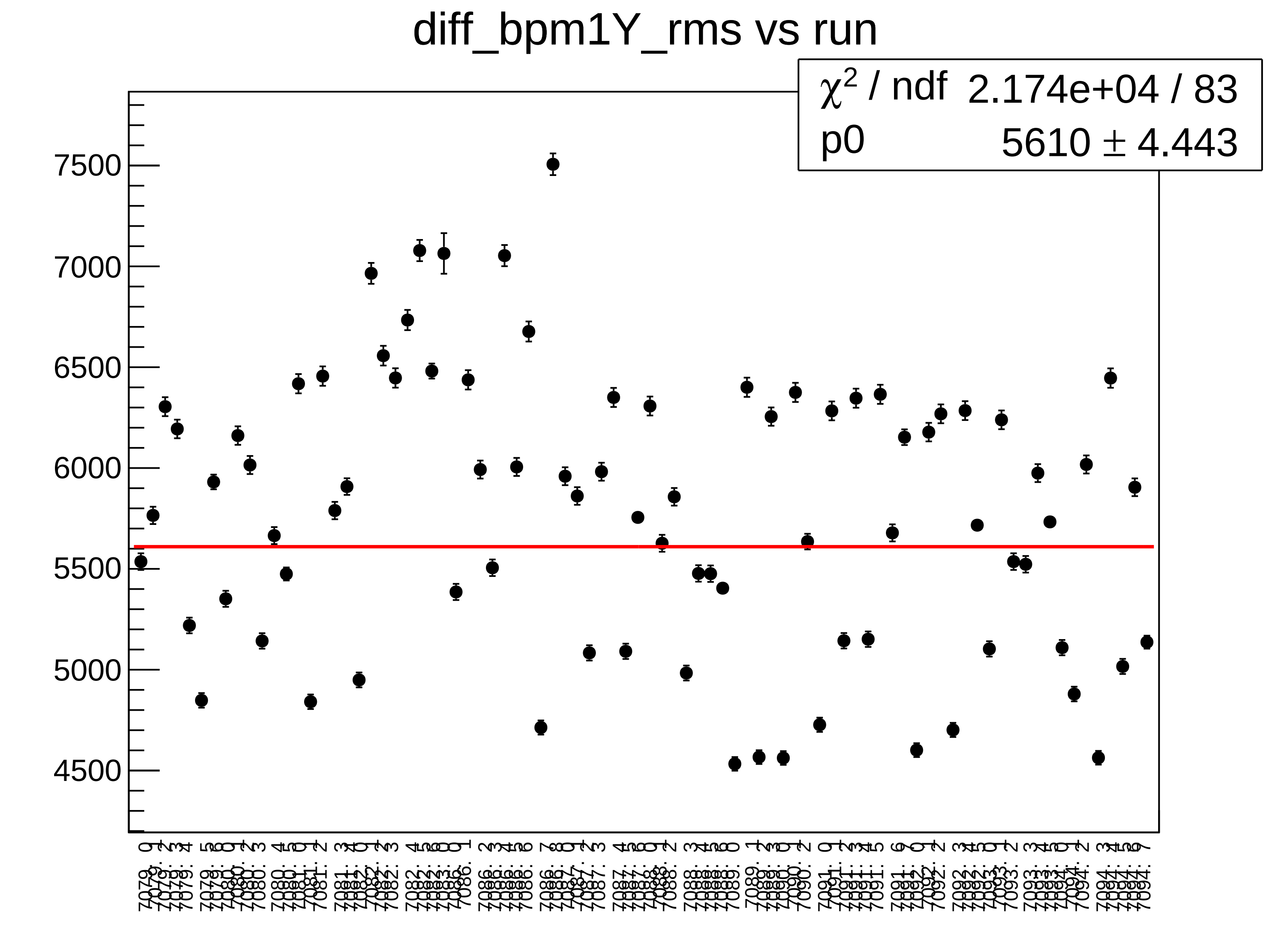


diff_bpm1X_mean vs run
χ^2 / ndf 91.77 / 83
p0 −18.77 ± 9.504
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean 422.9
Std Dev 394.8
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.0115
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

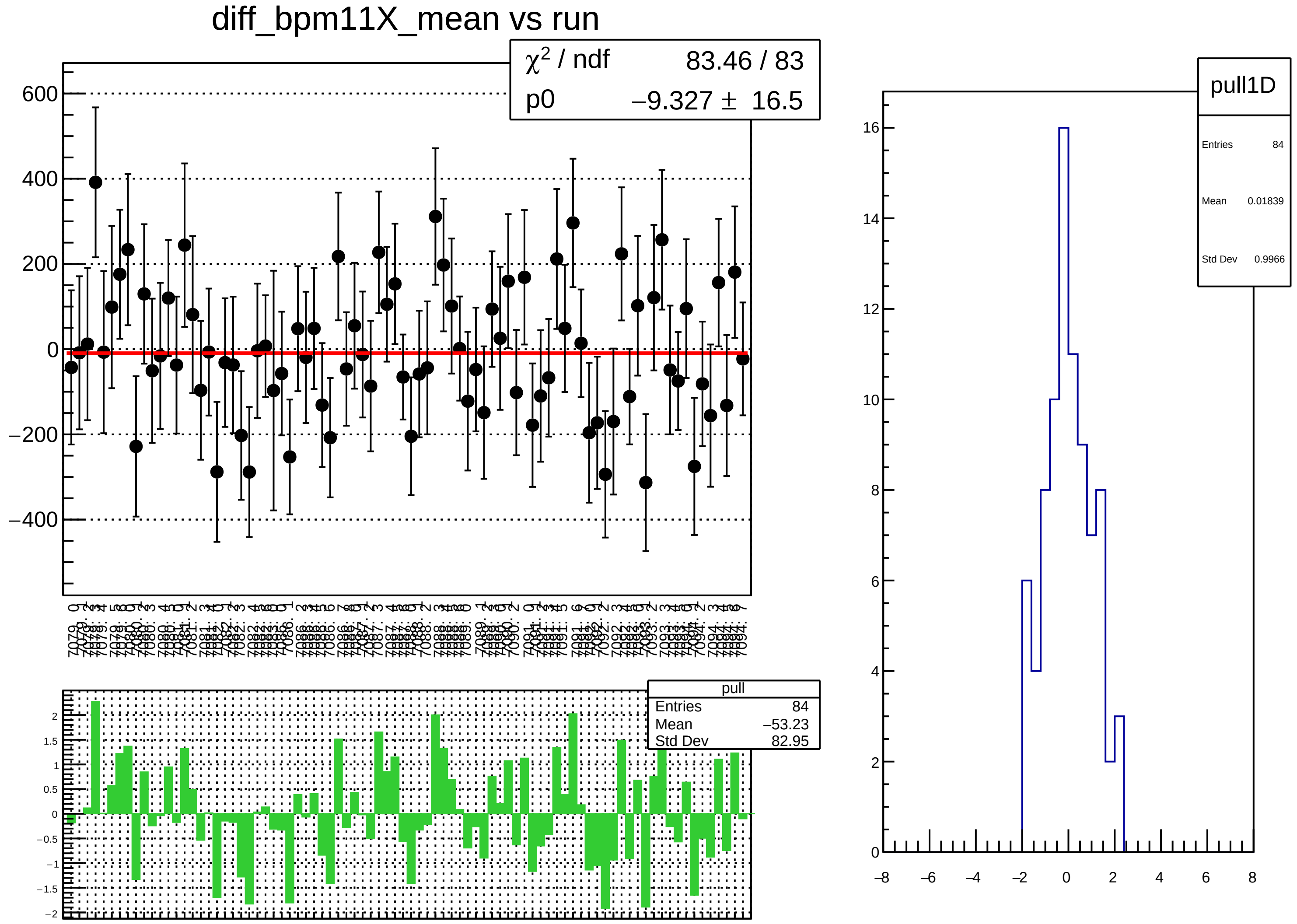

diff_bpm1X_rms vs run
χ² / ndf 4183 / 83
p0 8532 ± 6.721
9500
9000
8500
8000
7500


diff_bpm1Y_mean vs run
χ2 / ndf 96.57 / 83
p0 −4.583 ± 6.284
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean −5113
Std Dev 5156

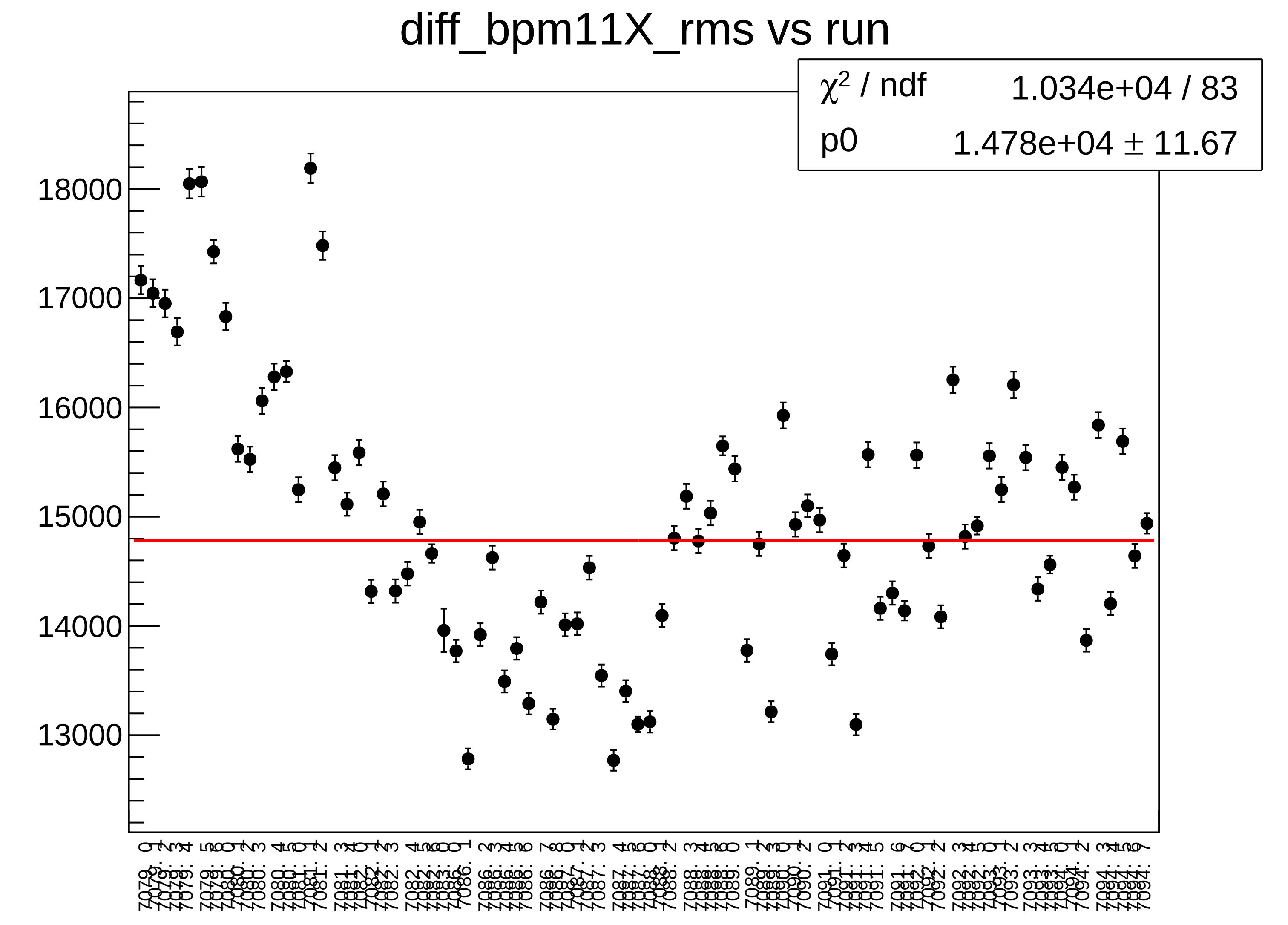

pull1D
Entries 84
Mean −0.0005583
Std Dev 1.072

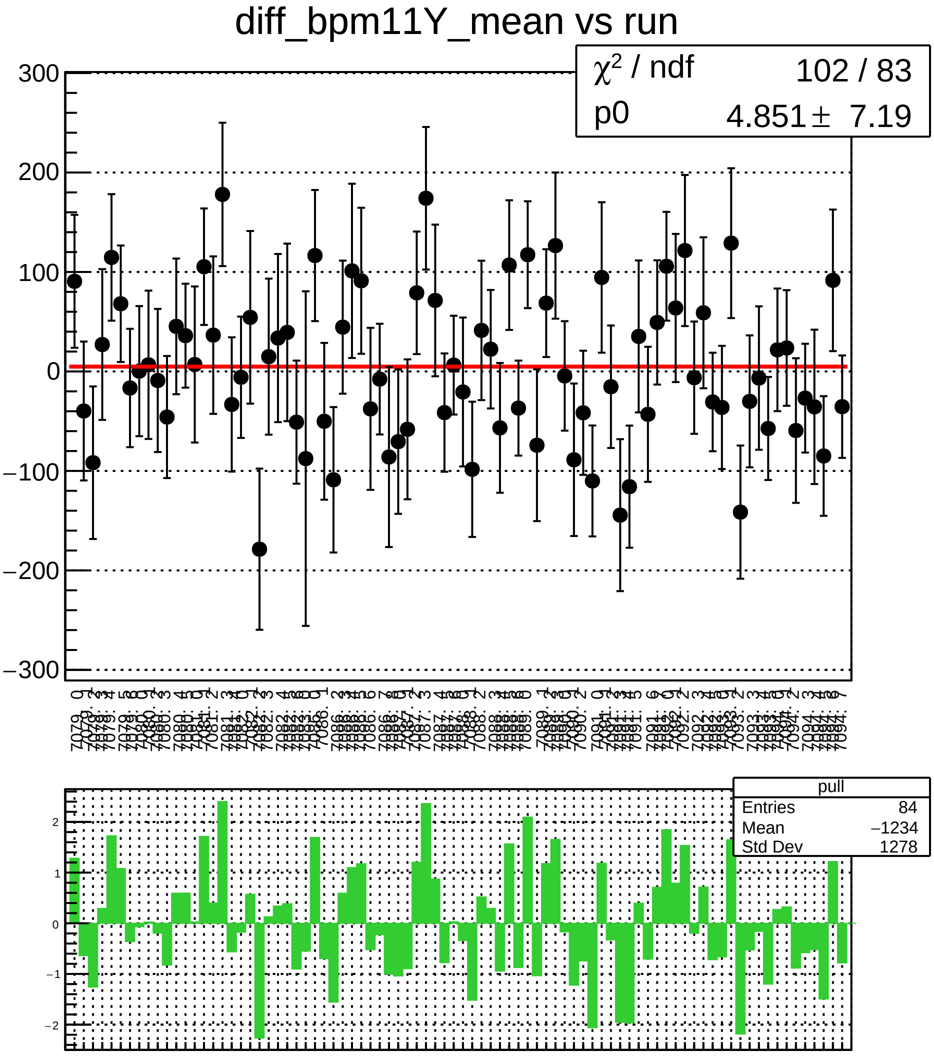


diff_bpm1Y_rms vs run
χ^2 / ndf 2.174e+04 / 83
p0 5610 ± 4.443
7500
7000
6500
6000
5500
5000
4500

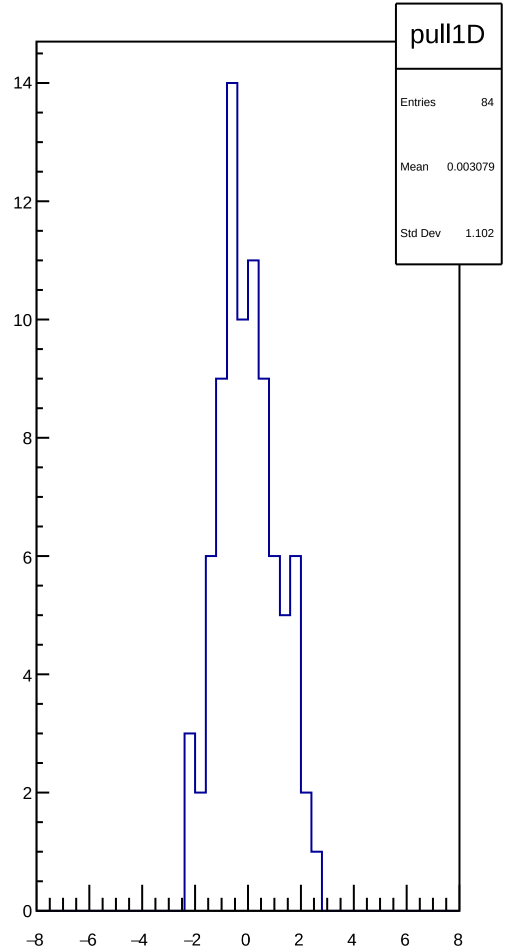


diff_bpm11X_mean vs run
χ^2 / ndf 83.46 / 83
p0 −9.327 ± 16.5
600
400
200
0
−200
−400
pull
Entries 84
Mean −53.23
Std Dev 82.95
pull1D
Entries 84
Mean 0.01839
Std Dev 0.9966

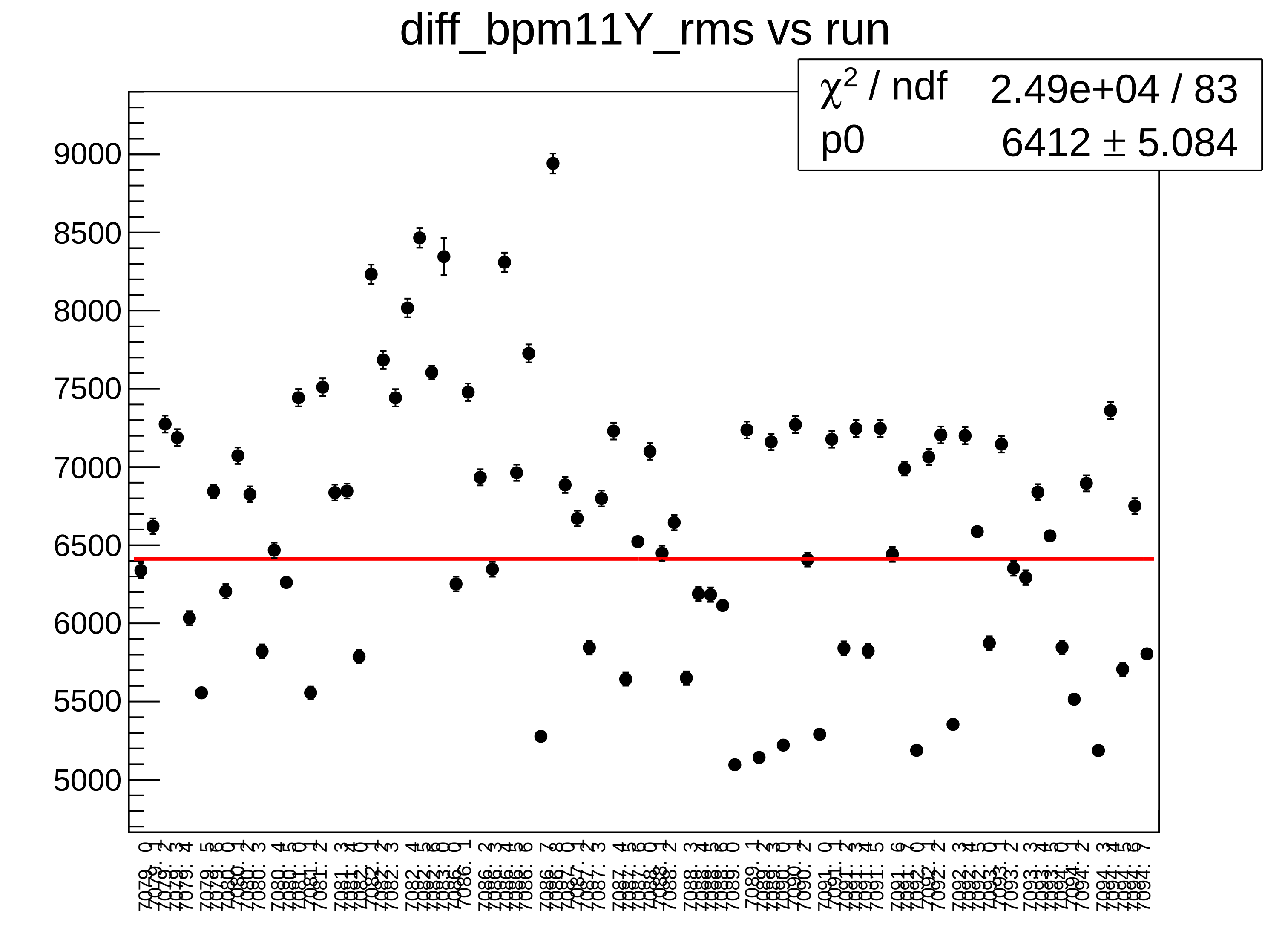

diff_bpm11X_rms vs run
χ2 / ndf 1.034e+04 / 83
p0 1.478e+04 ± 11.67
18000
17000
16000
15000
14000
13000



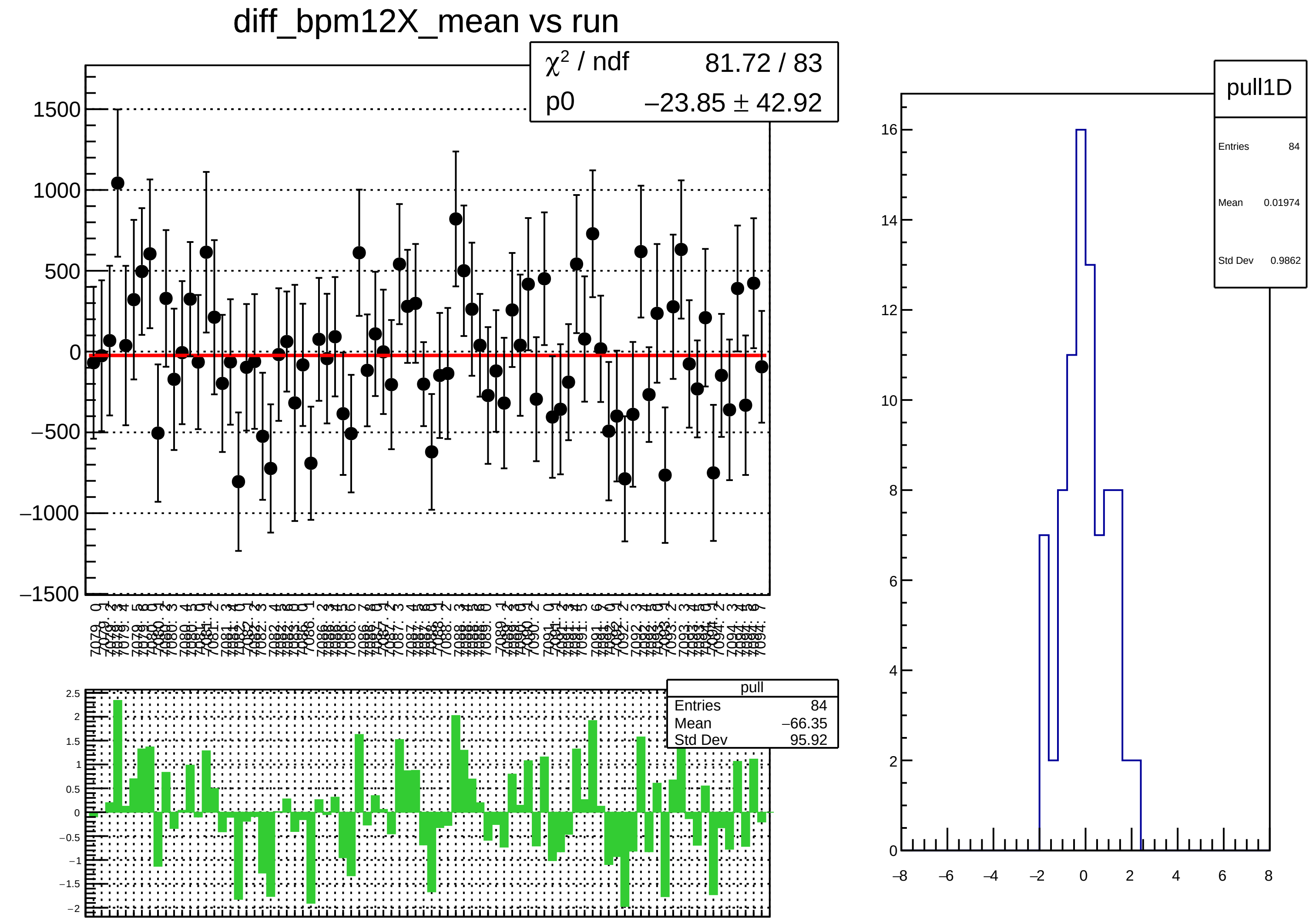
diff_bpm11Y_mean vs run
χ^2 / ndf 102 / 83
p0 4.851 ± 7.19
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean −1234
Std Dev 1278
2
1
0
−1
−2

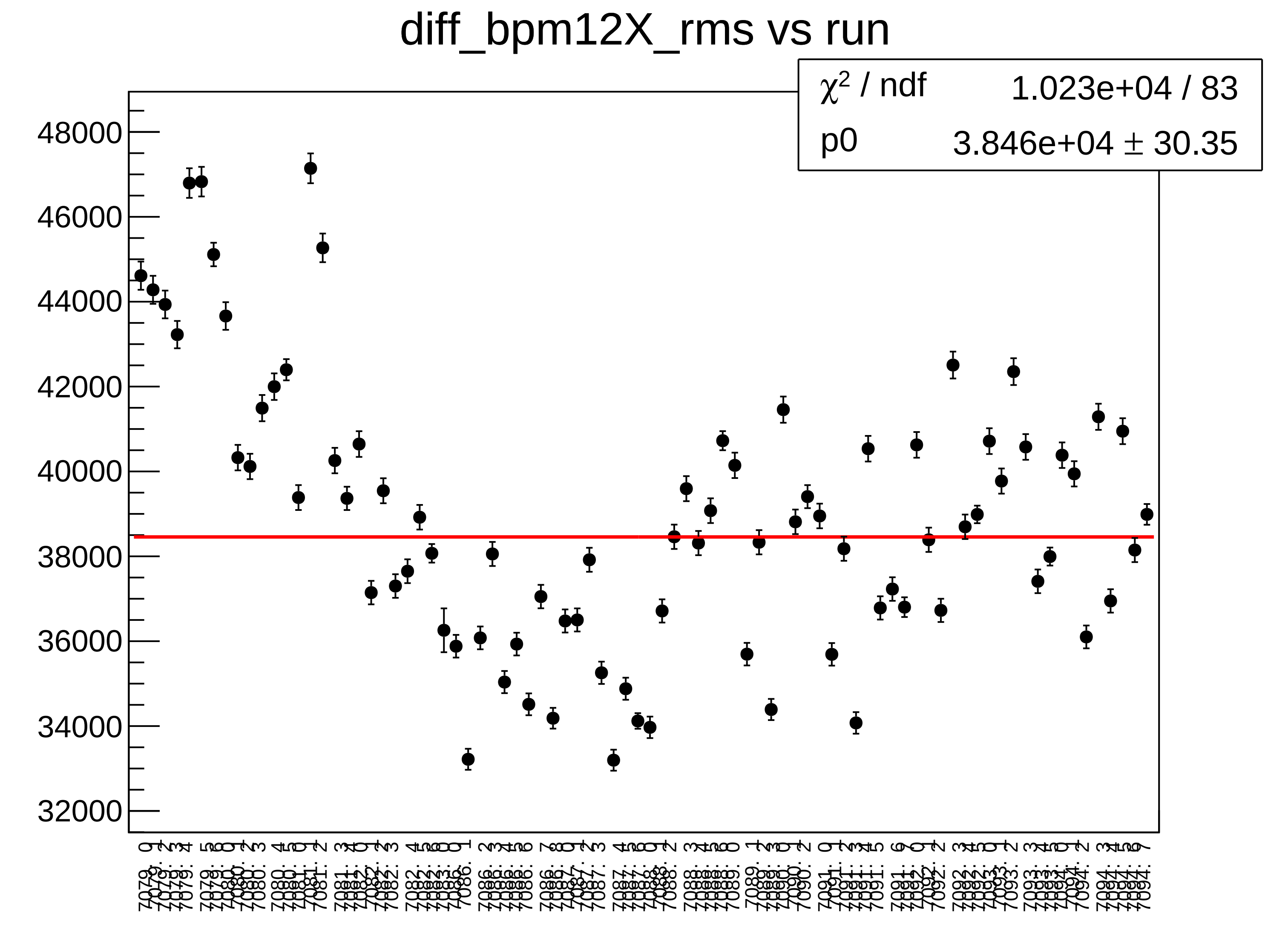


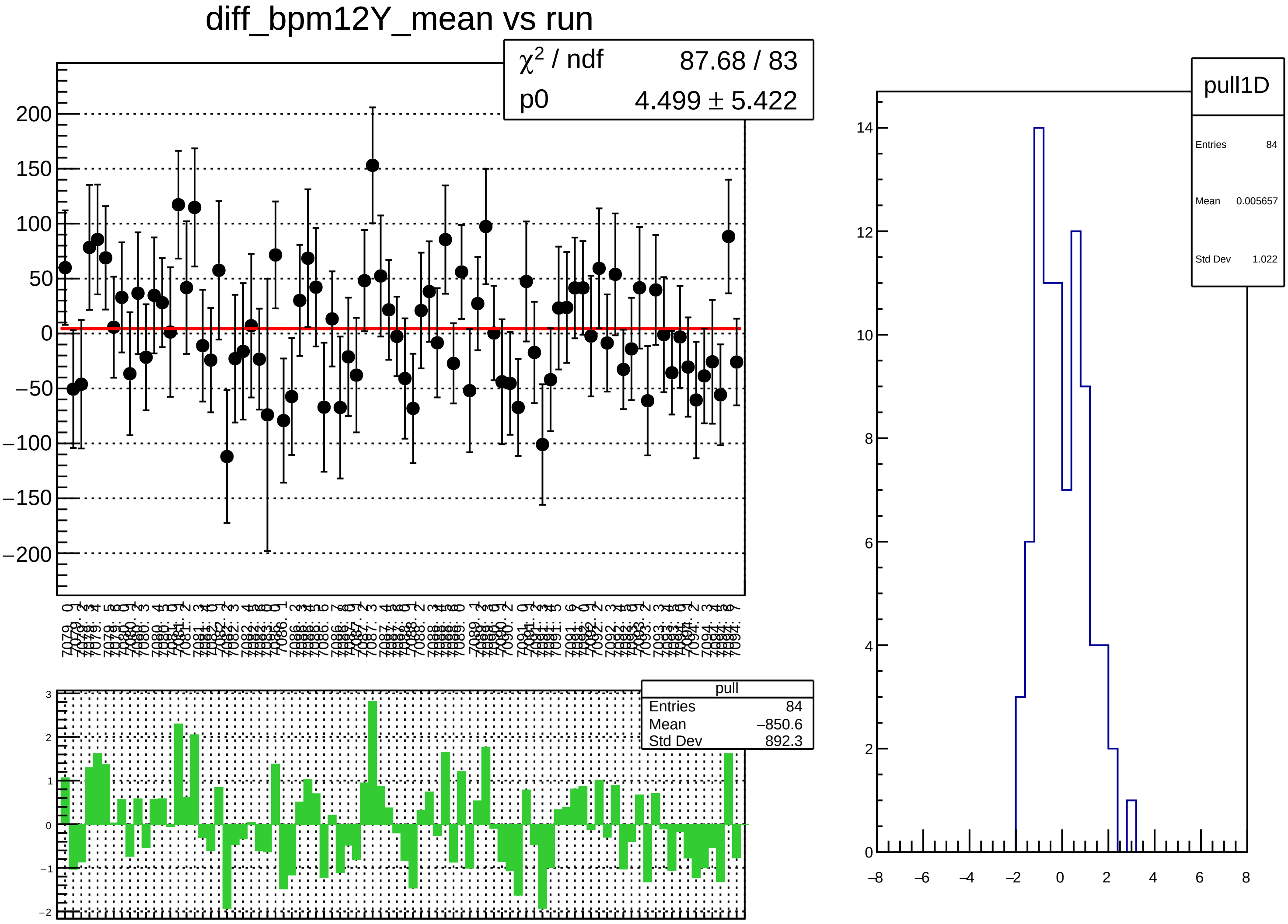
pull1D
Entries 84
Mean 0.003079
Std Dev 1.102
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



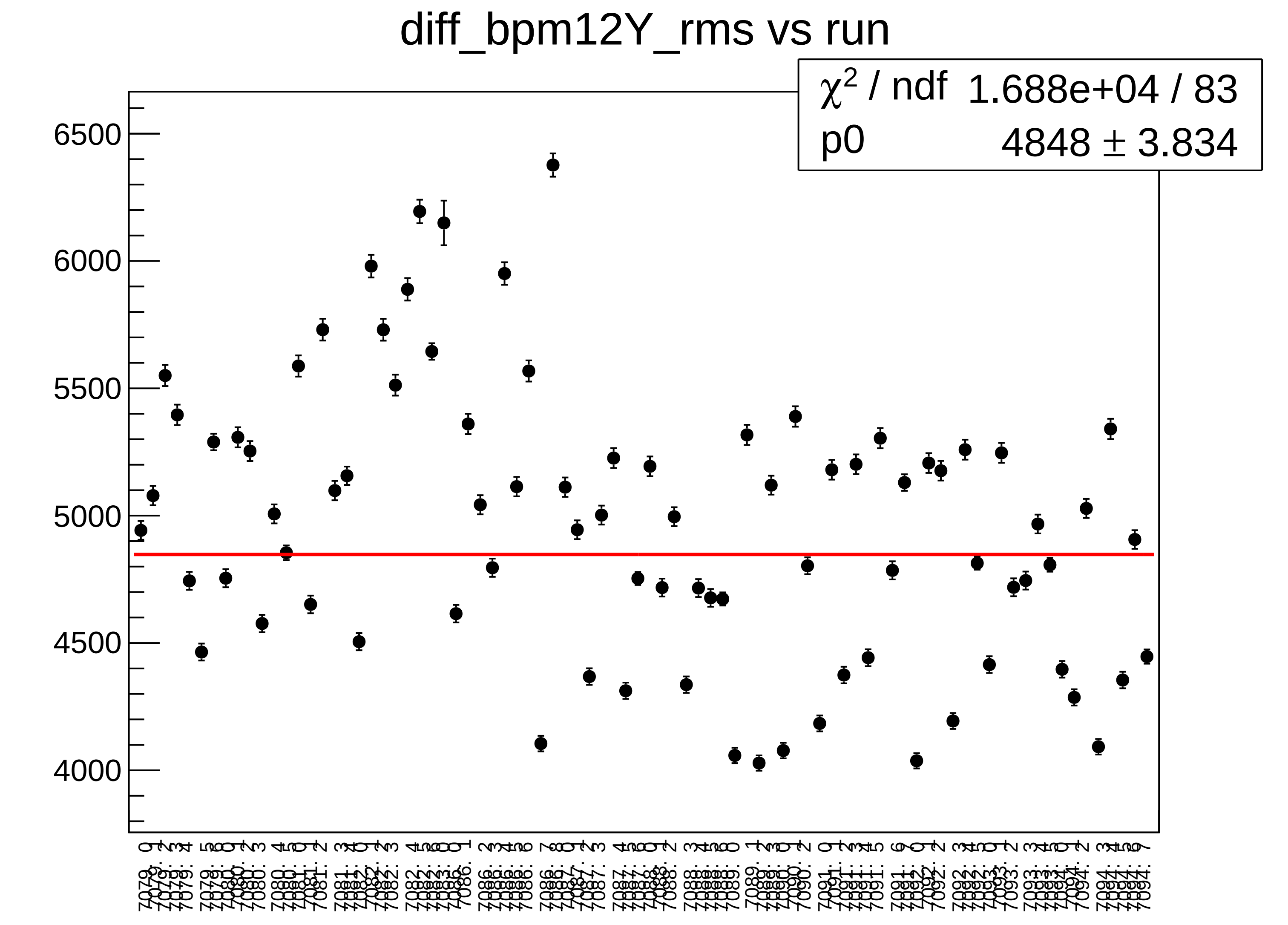
diff_bpm11Y_rms vs run
χ^2 / ndf 2.49e+04 / 83
p0 6412 ± 5.084
9000
8500
8000
7500
7000
6500
6000
5500
5000

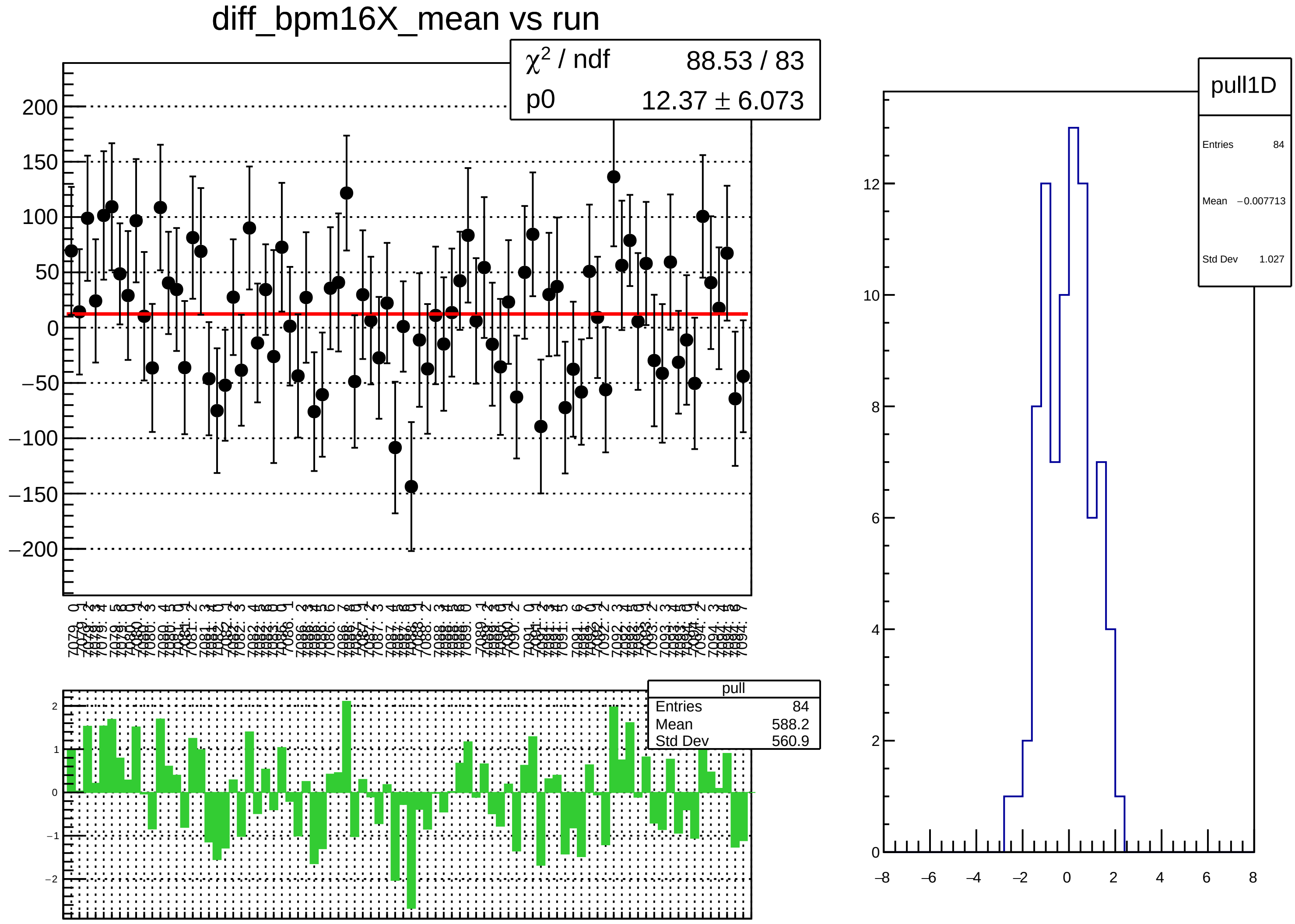

diff_bpm12X_mean vs run
χ^2 / ndf 81.72 / 83
p0 −23.85 ± 42.92
pull
Entries 84
Mean −66.35
Std Dev 95.92
pull1D
Entries 84
Mean 0.01974
Std Dev 0.9862

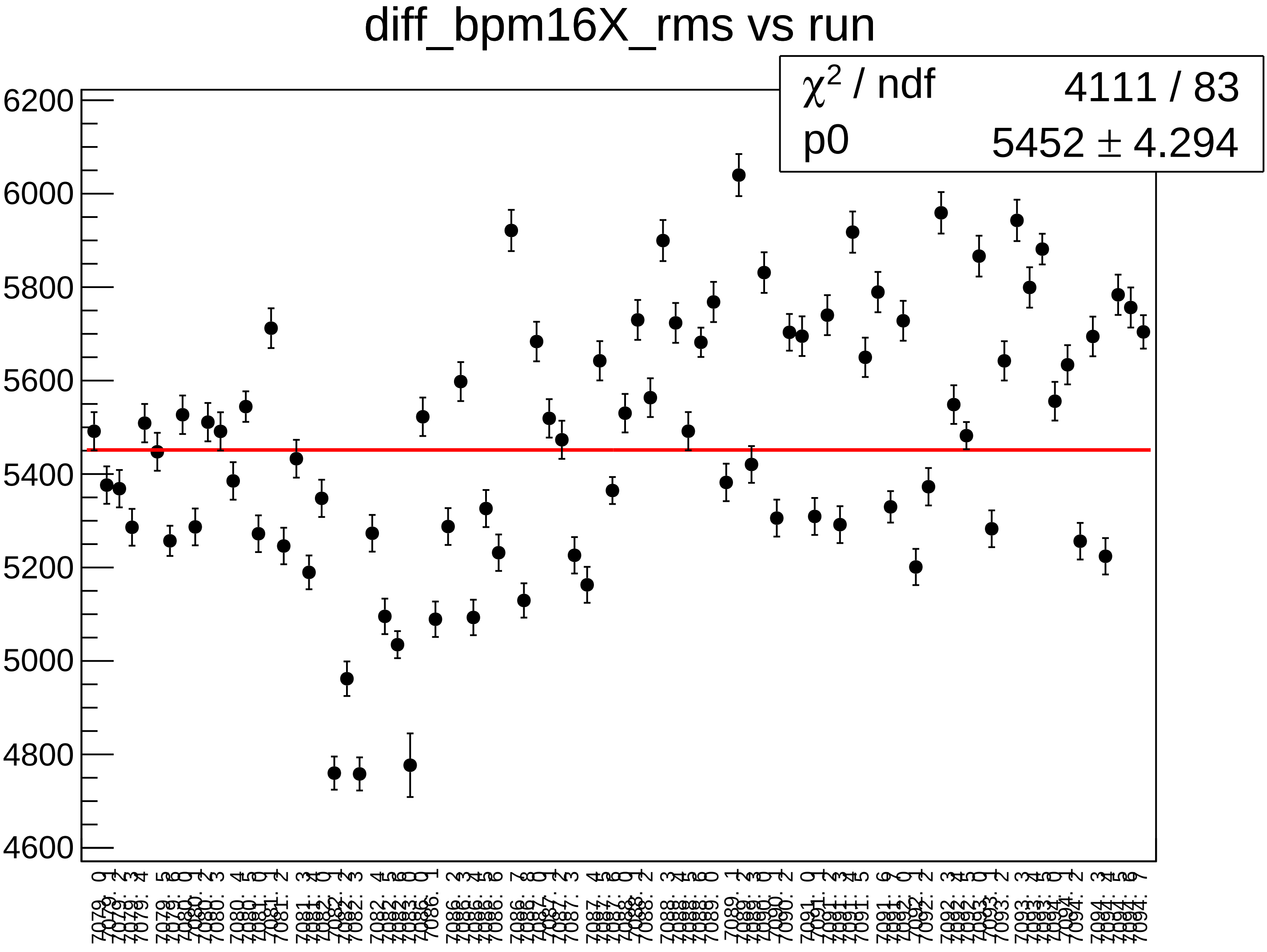

diff_bpm12X_rms vs run
χ2 / ndf 1.023e+04 / 83
p0 3.846e+04 ± 30.35
48000
46000
44000
42000
40000
38000
36000
34000
32000



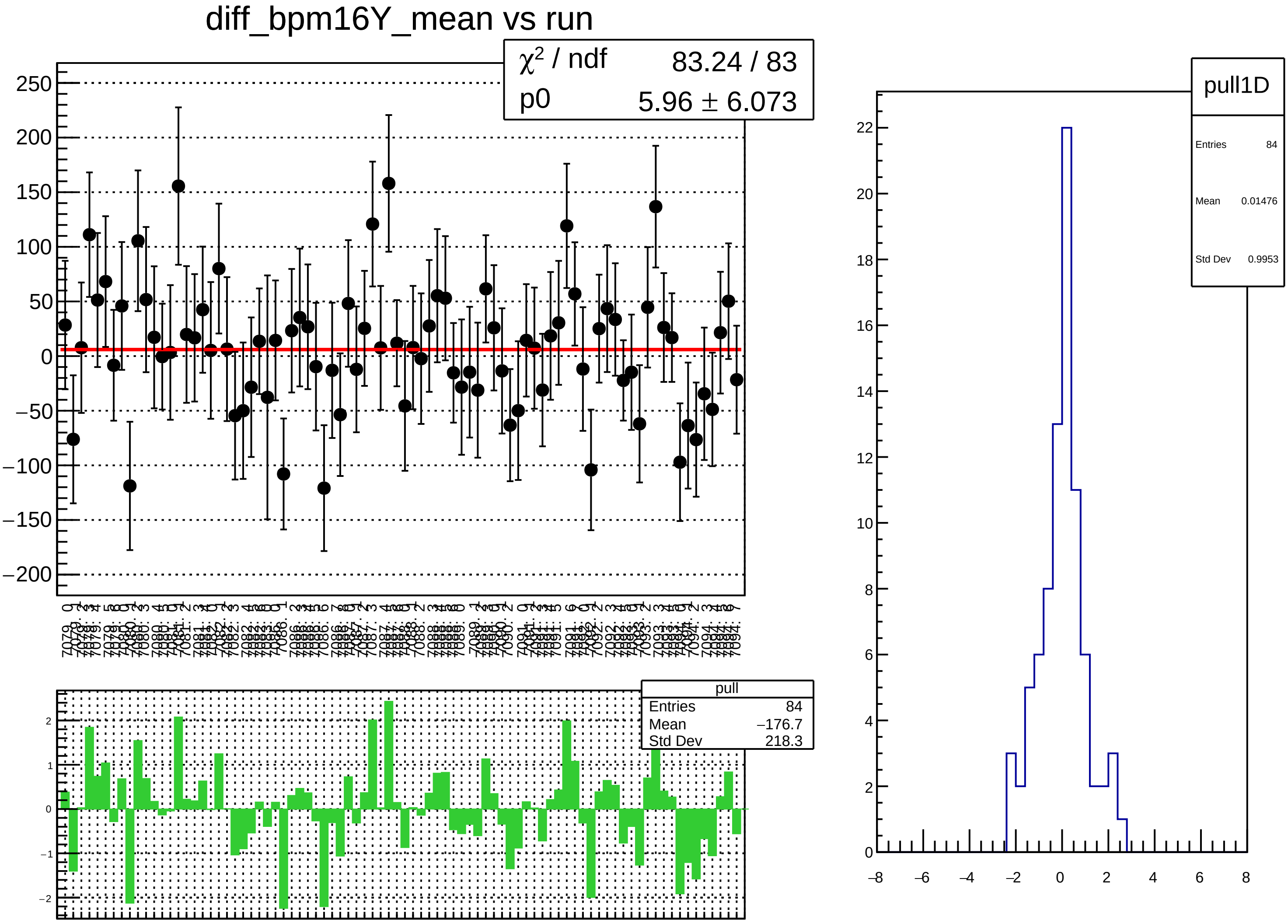
diff_bpm12Y_mean vs run
χ2 / ndf 87.68 / 83
p0 4.499 ± 5.422
pull
Entries 84
Mean −850.6
Std Dev 892.3
pull1D
Entries 84
Mean 0.005657
Std Dev 1.022

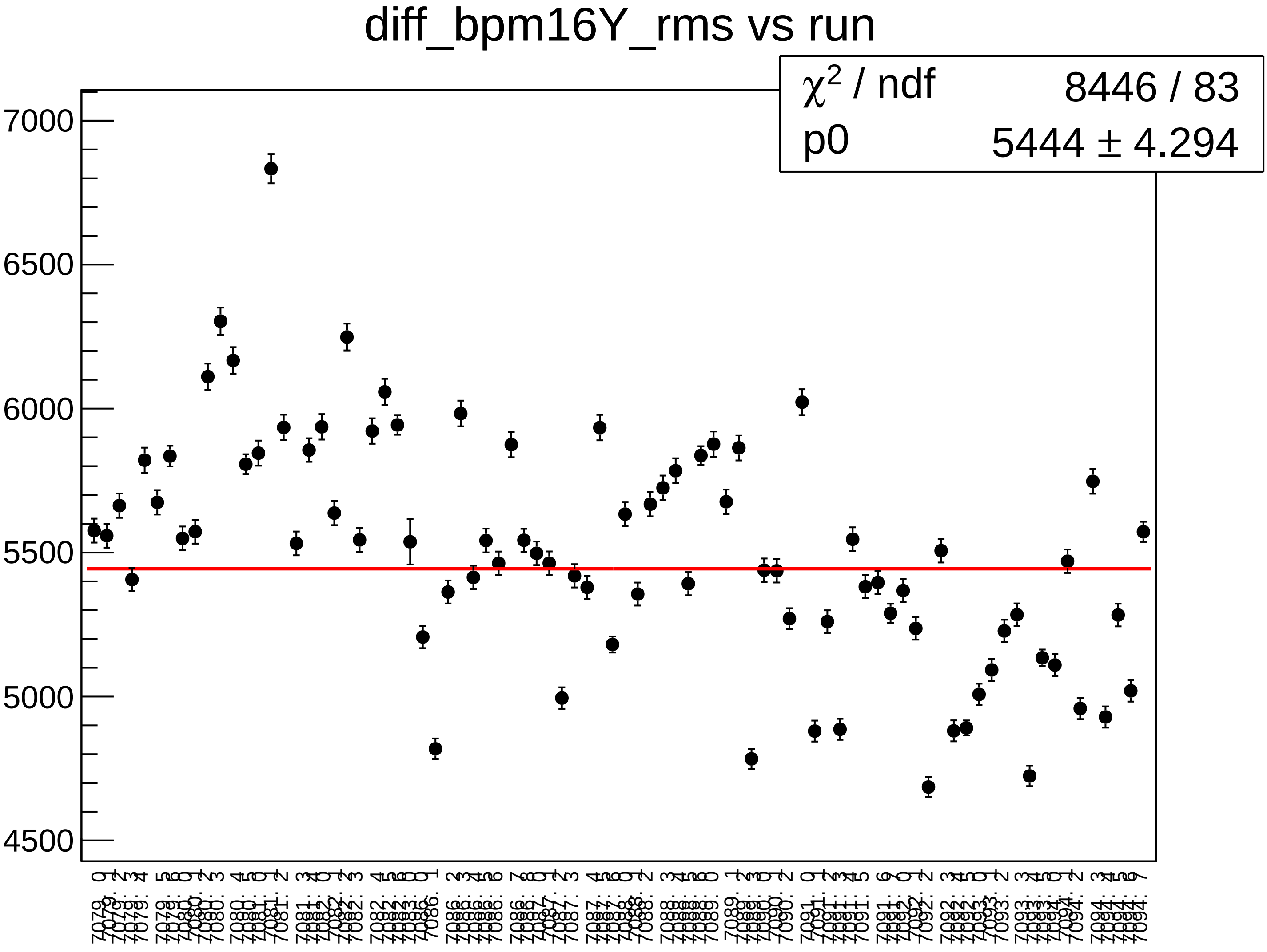

diff_bpm12Y_rms vs run
χ2 / ndf 1.688e+04 / 83
p0 4848 ± 3.834
6500
6000
5500
5000
4500
4000


diff_bpm16X_mean vs run
χ2 / ndf 88.53 / 83
p0 12.37 ± 6.073
pull
Entries 84
Mean 588.2
Std Dev 560.9
pull1D
Entries 84
Mean −0.007713
Std Dev 1.027

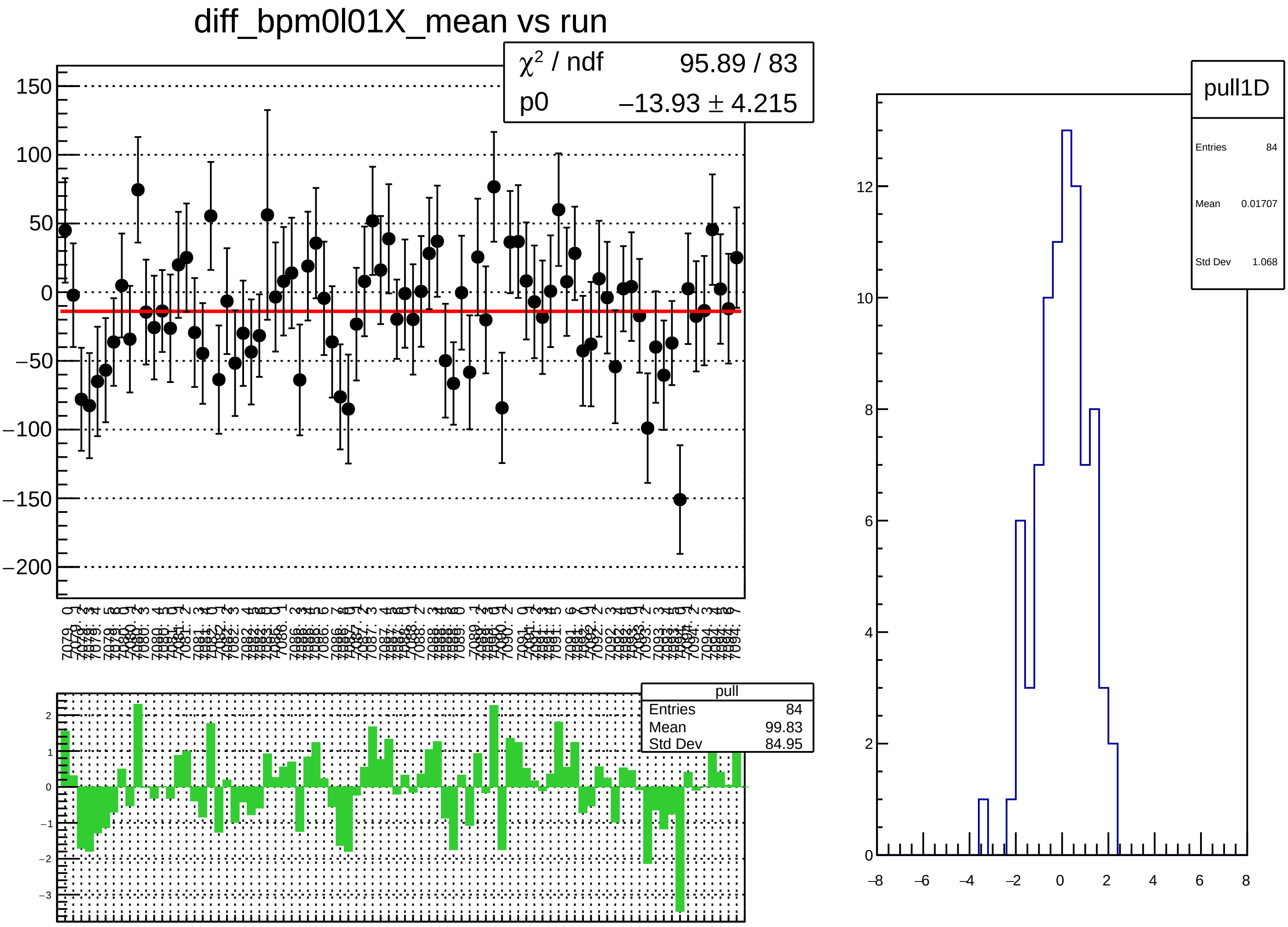


diff_bpm16X_rms vs run
χ2 / ndf 4111 / 83
p0 5452 ± 4.294
6200
6000
5800
5600
5400
5200
5000
4800
4600

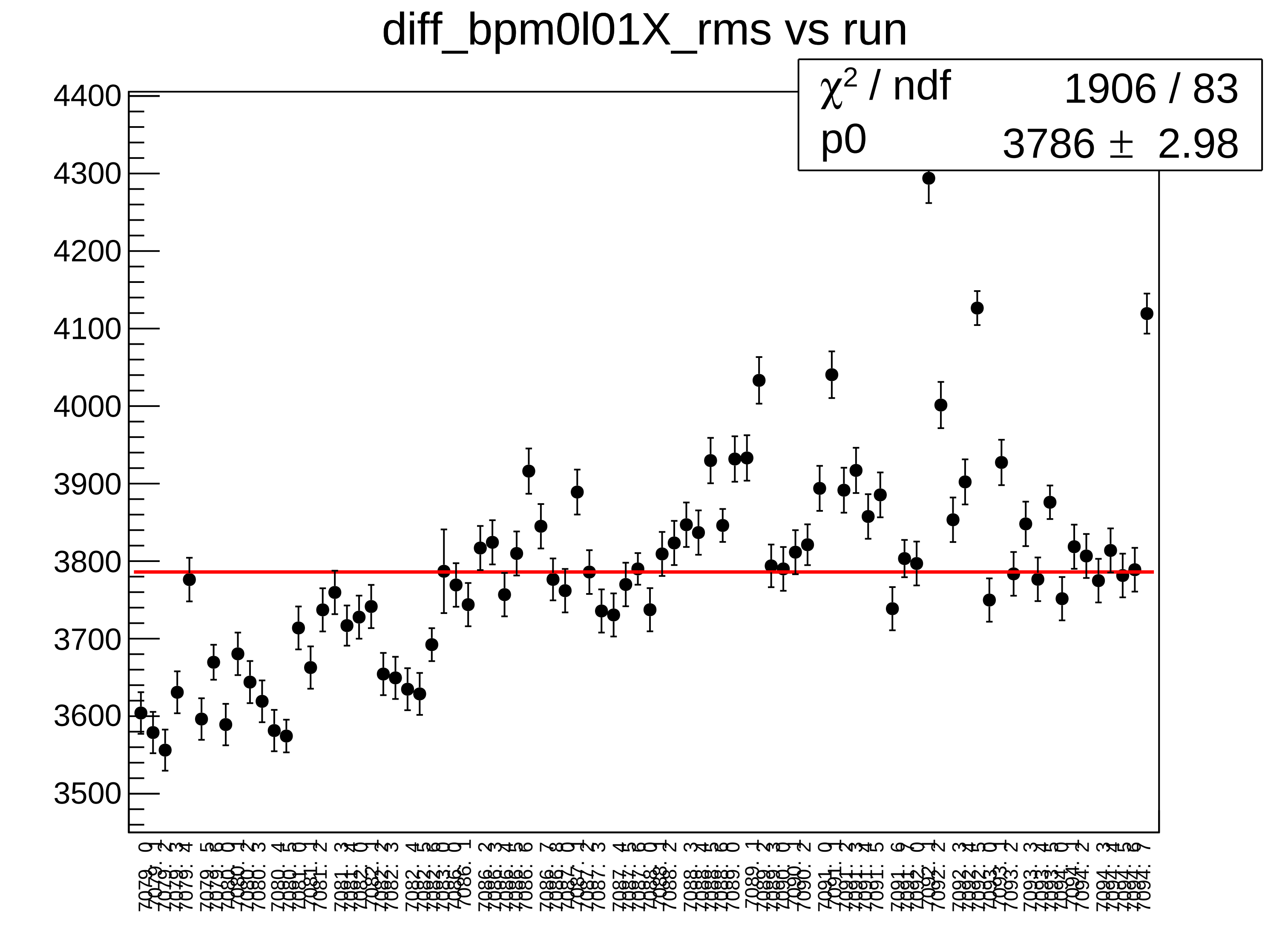

diff_bpm16Y_mean vs run
χ^2 / ndf 83.24 / 83
p0 5.96 ± 6.073
pull
Entries 84
Mean −176.7
Std Dev 218.3
pull1D
Entries 84
Mean 0.01476
Std Dev 0.9953

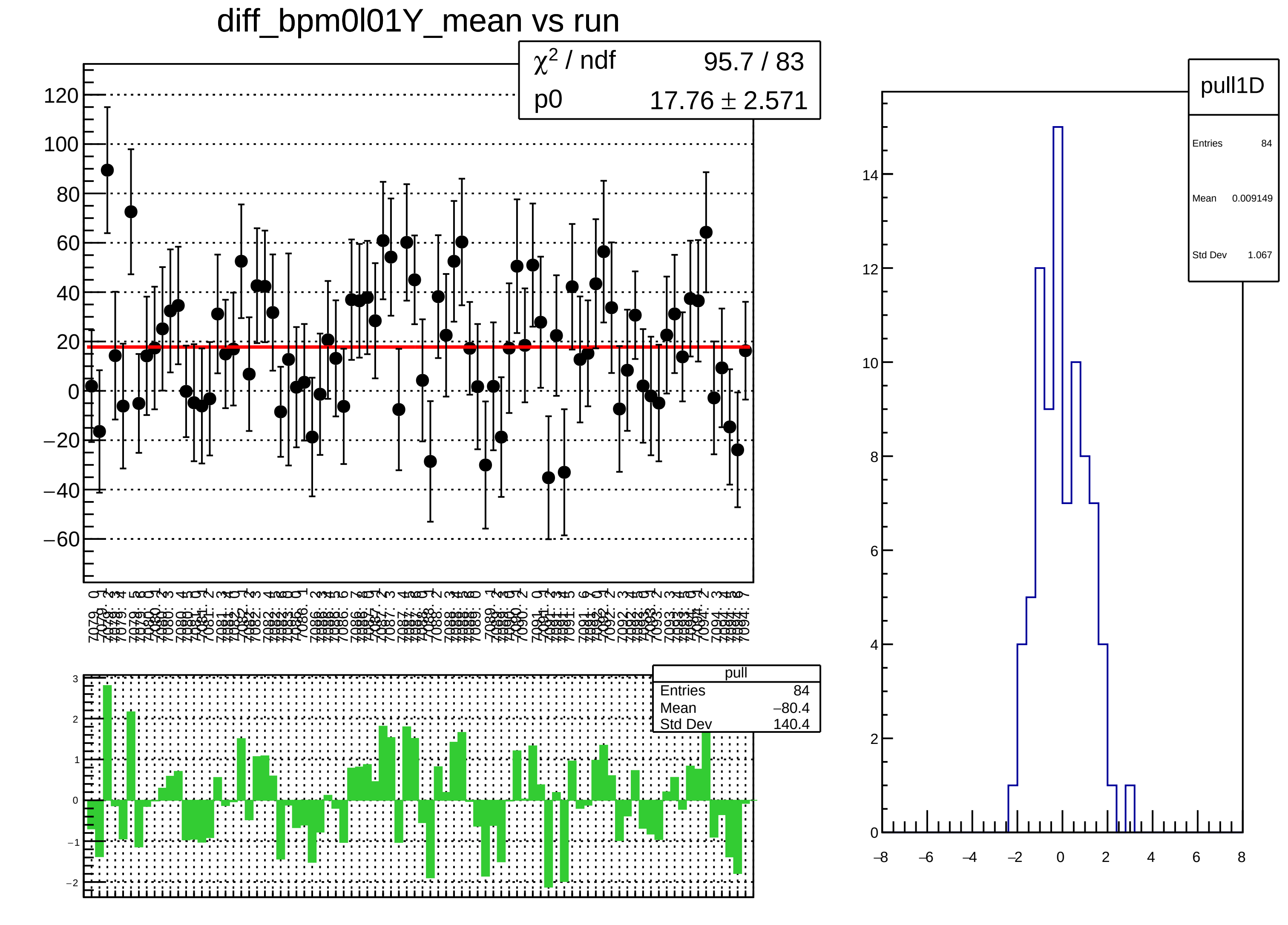


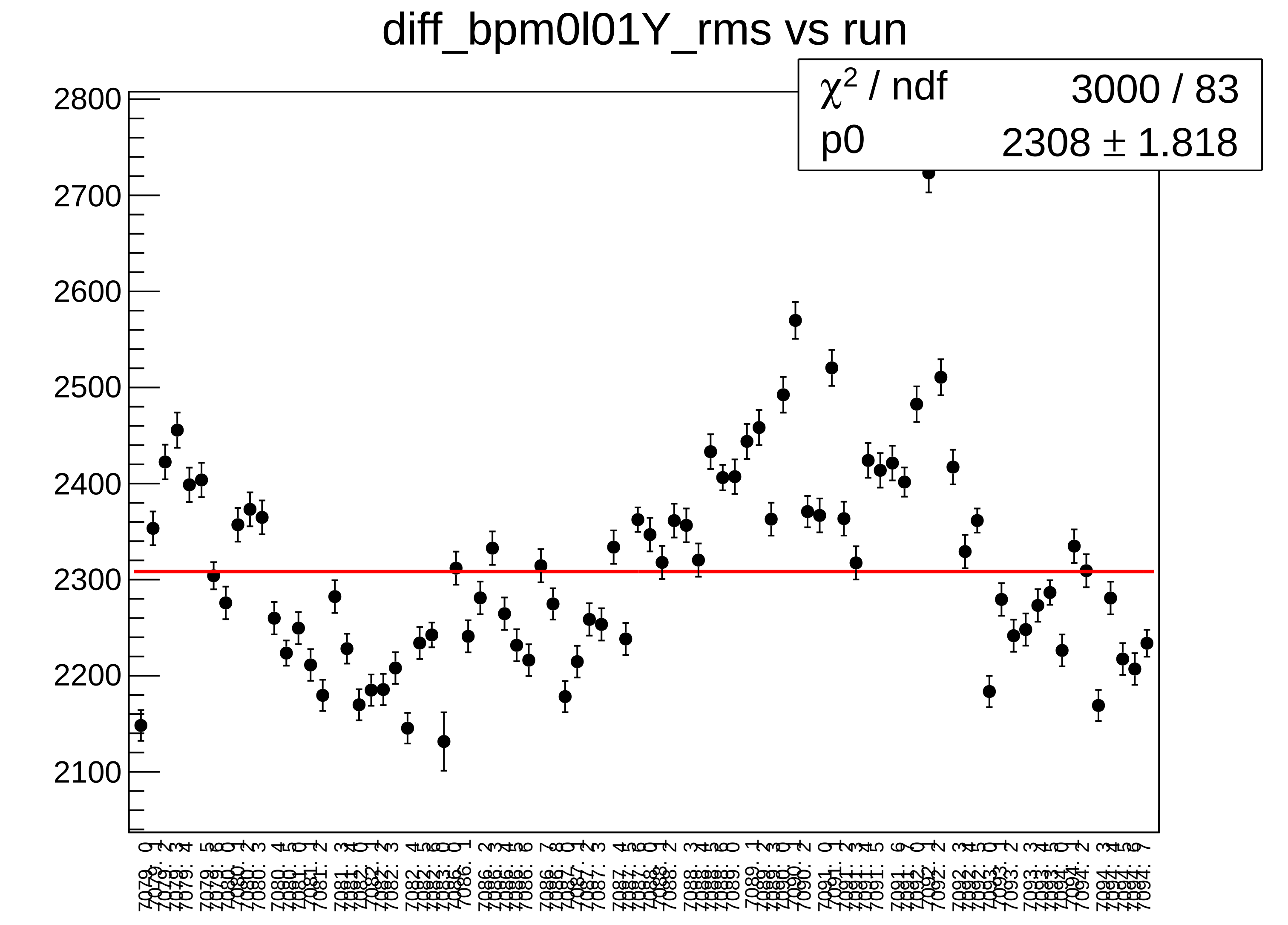
diff_bpm16Y_rms vs run
χ2 / ndf 8446 / 83
p0 5444 ± 4.294
7000
6500
6000
5500
5000
4500

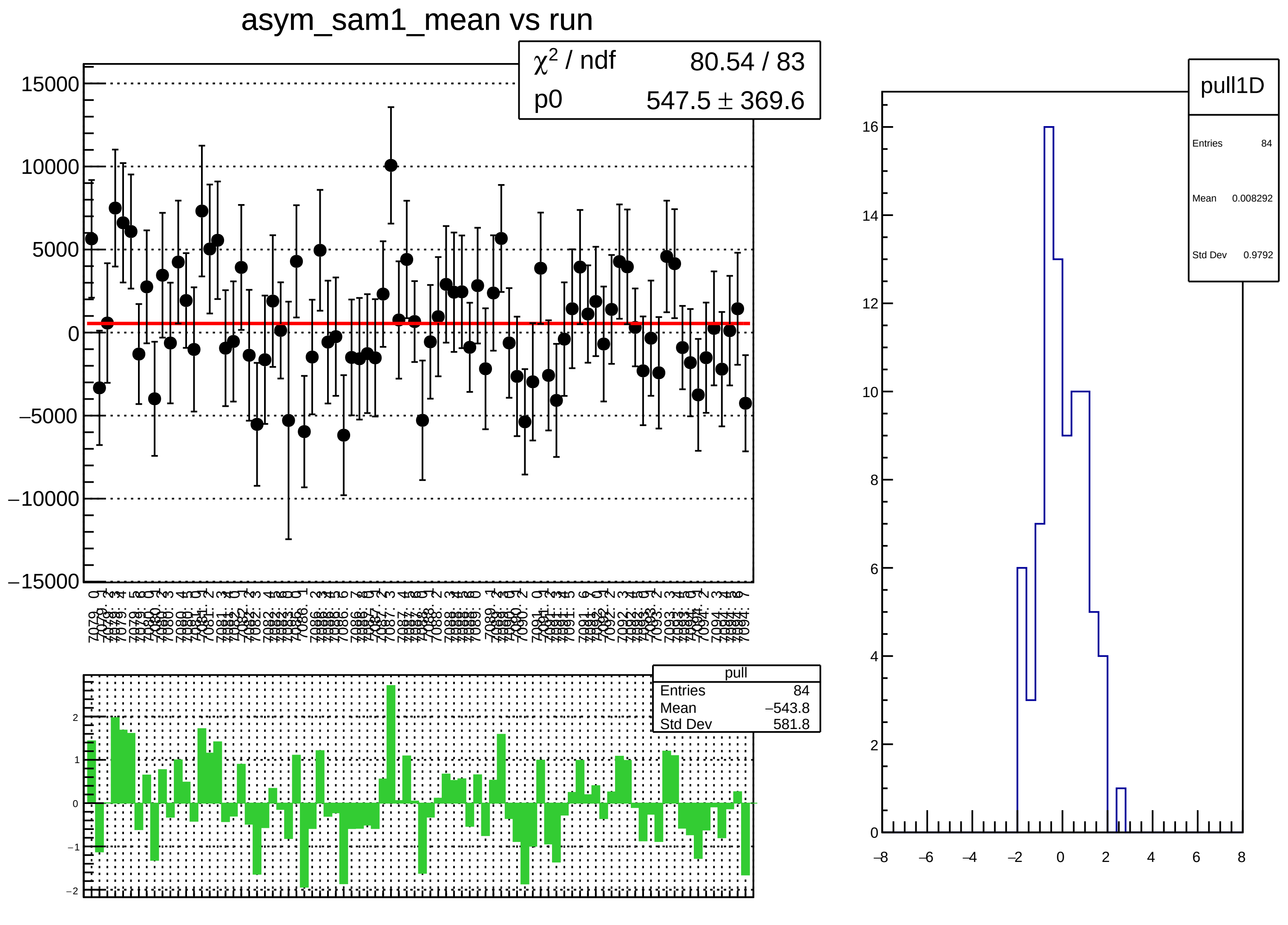


diff_bpm0l01X_mean vs run
χ^2 / ndf 95.89 / 83
p0 −13.93 ± 4.215
pull
Entries 84
Mean 99.83
Std Dev 84.95
pull1D
Entries 84
Mean 0.01707
Std Dev 1.068

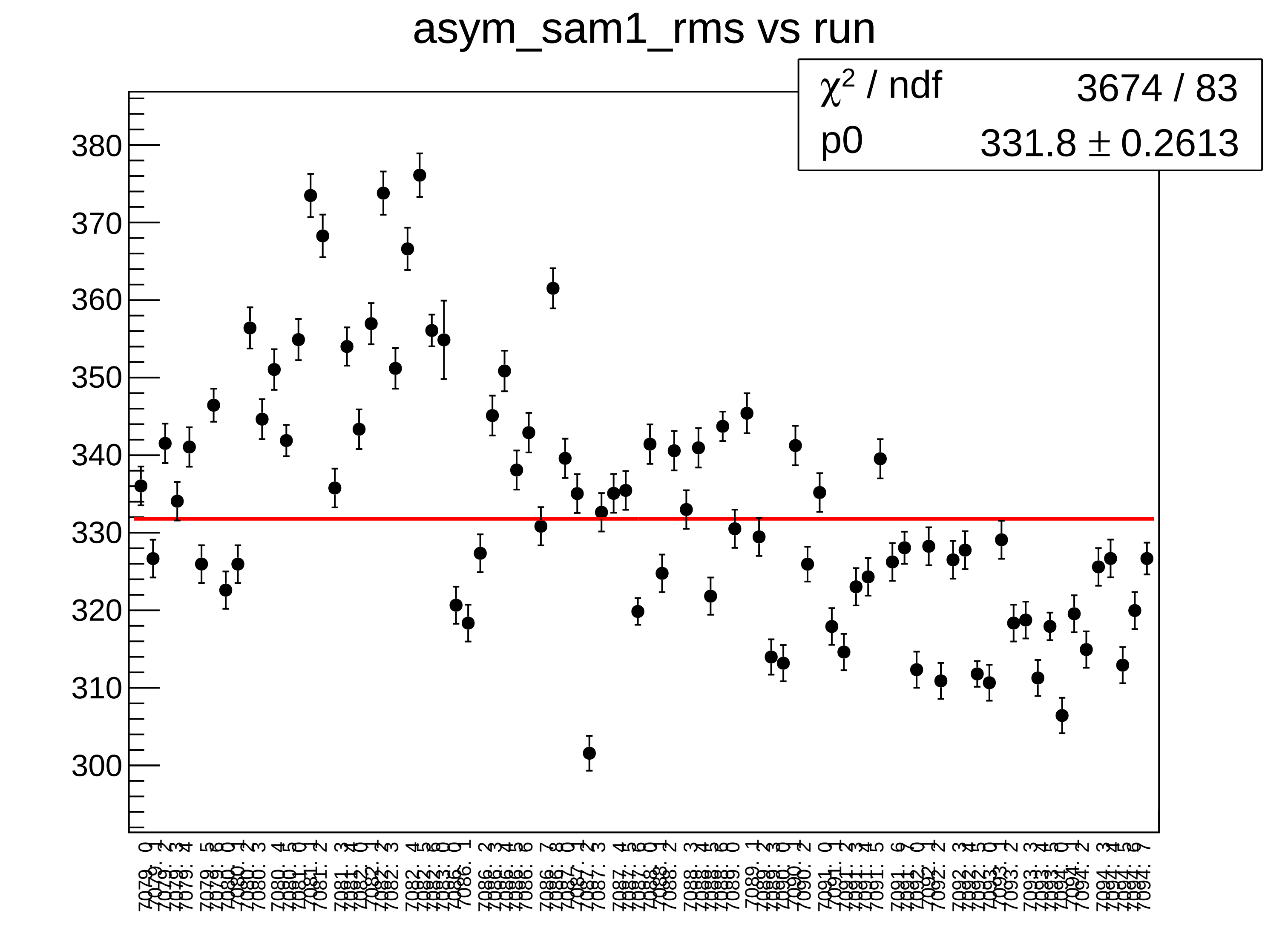

diff_bpm0l01X_rms vs run
χ2 / ndf 1906 / 83
p0 3786 ± 2.98
4400
4300
4200
4100
4000
3900
3800
3700
3600
3500

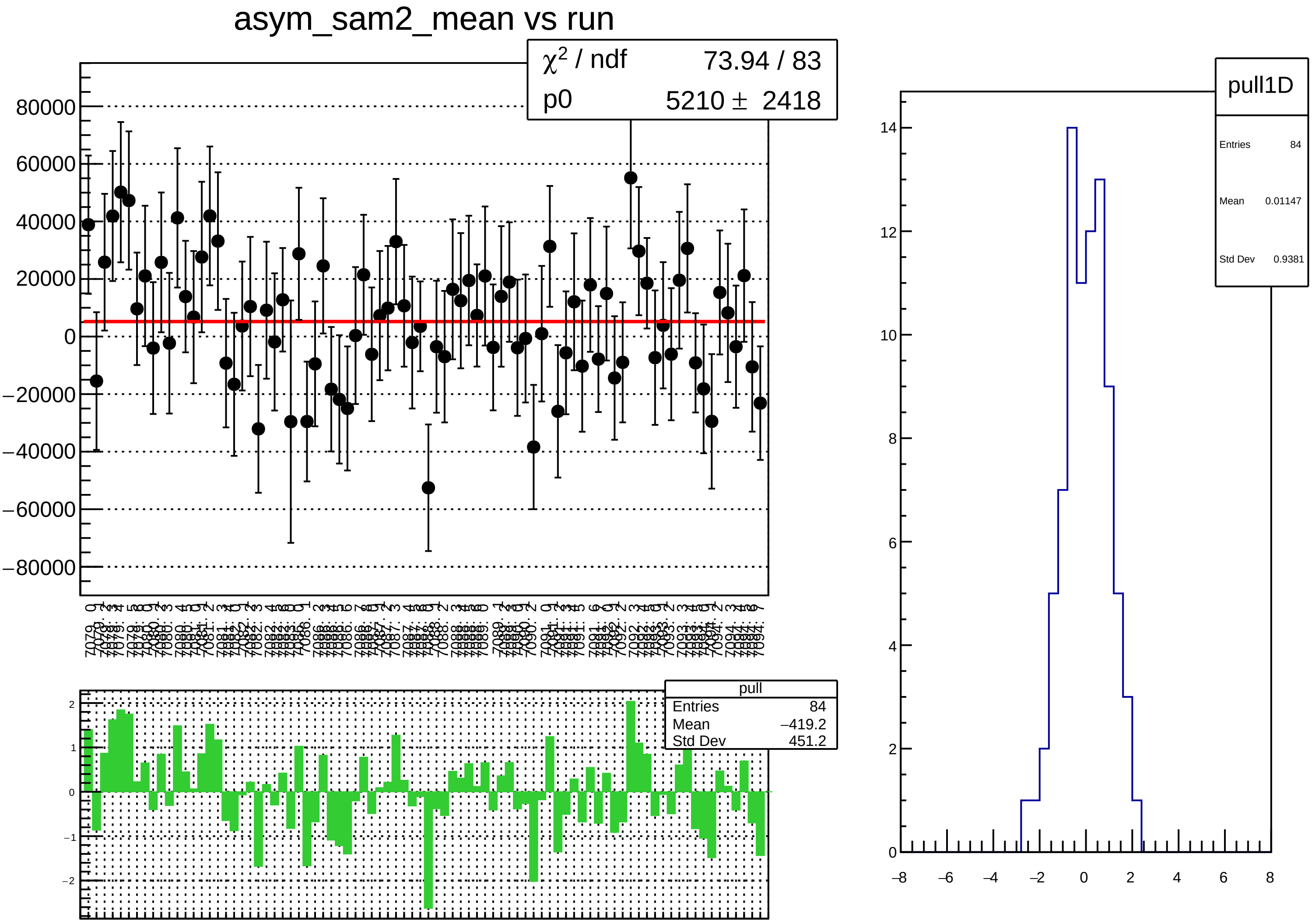

diff_bpm0l01Y_mean vs run
χ^2 / ndf 95.7 / 83
p0 17.76 ± 2.571
pull
Entries 84
Mean −80.4
Std Dev 140.4
pull1D
Entries 84
Mean 0.009149
Std Dev 1.067


diff_bpm0l01Y_rms vs run
χ2 / ndf 3000 / 83
p0 2308 ± 1.818
2800
2700
2600
2500
2400
2300
2200
2100

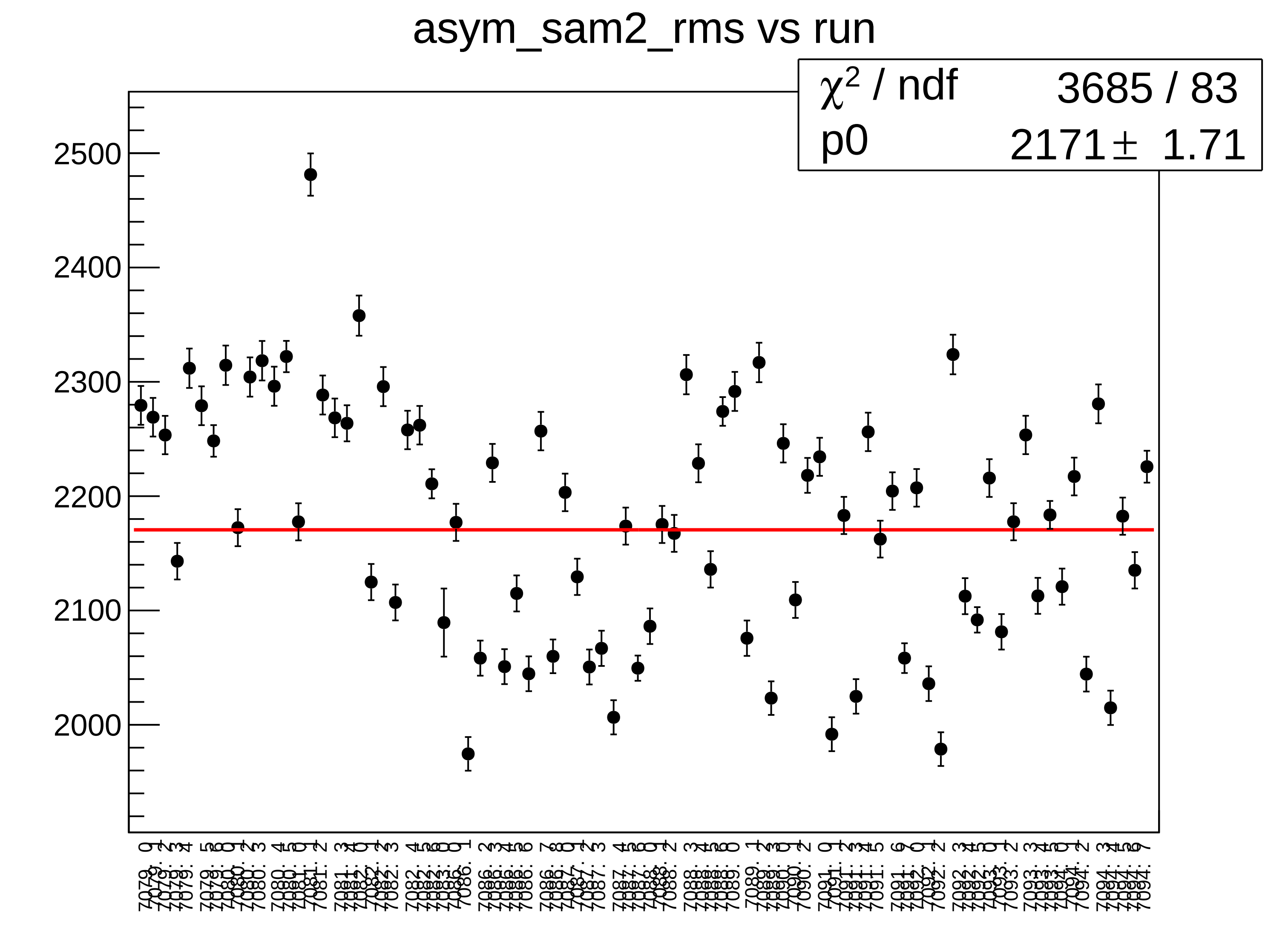


asym_sam1_mean vs run
χ^2 / ndf 80.54 / 83
p0 547.5 ± 369.6
pull
Entries 84
Mean −543.8
Std Dev 581.8
pull1D
Entries 84
Mean 0.008292
Std Dev 0.9792

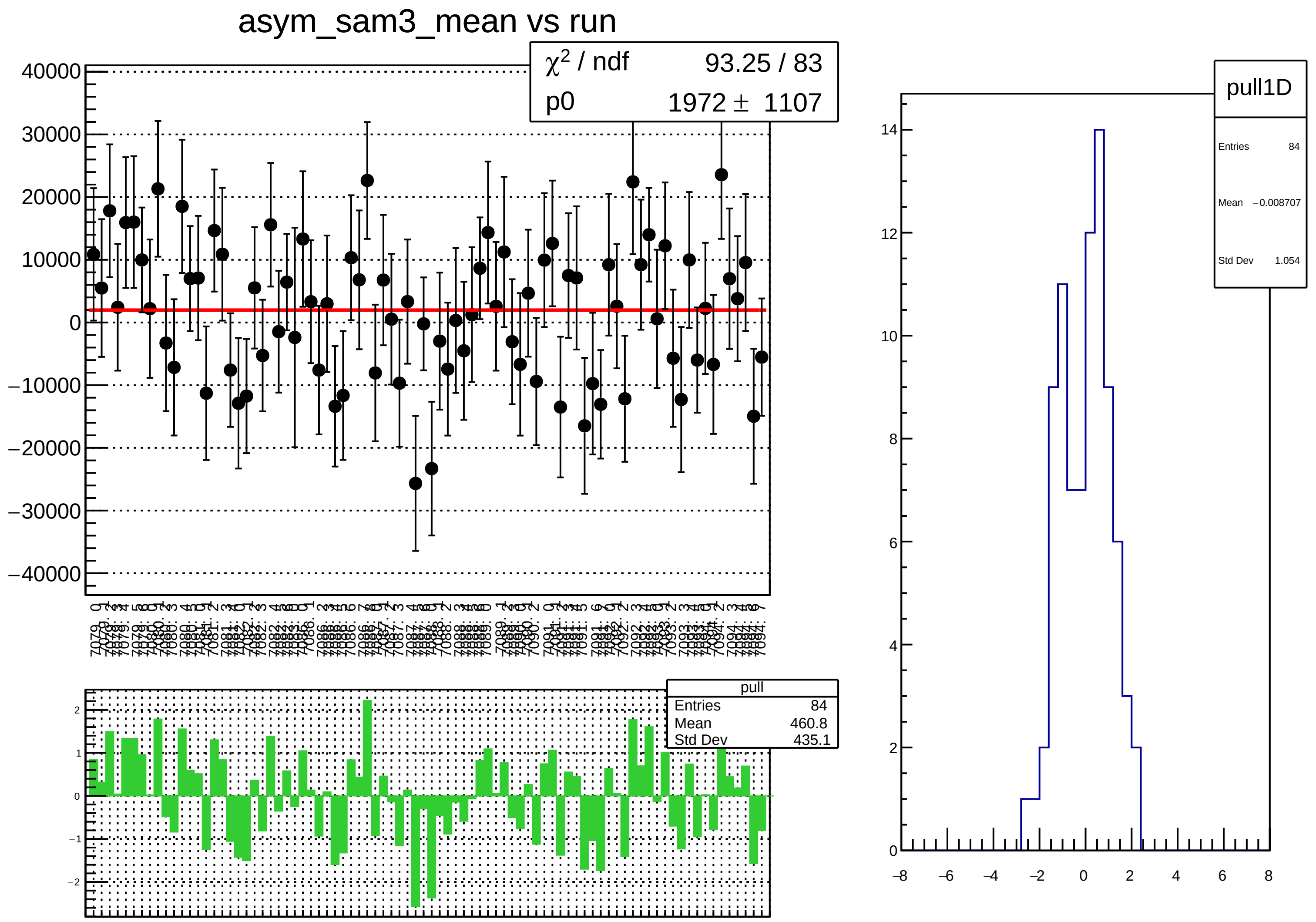

asym_sam1_rms vs run
χ2 / ndf 3674 / 83
p0 331.8 ± 0.2613
380
370
360
350
340
330
320
310
300



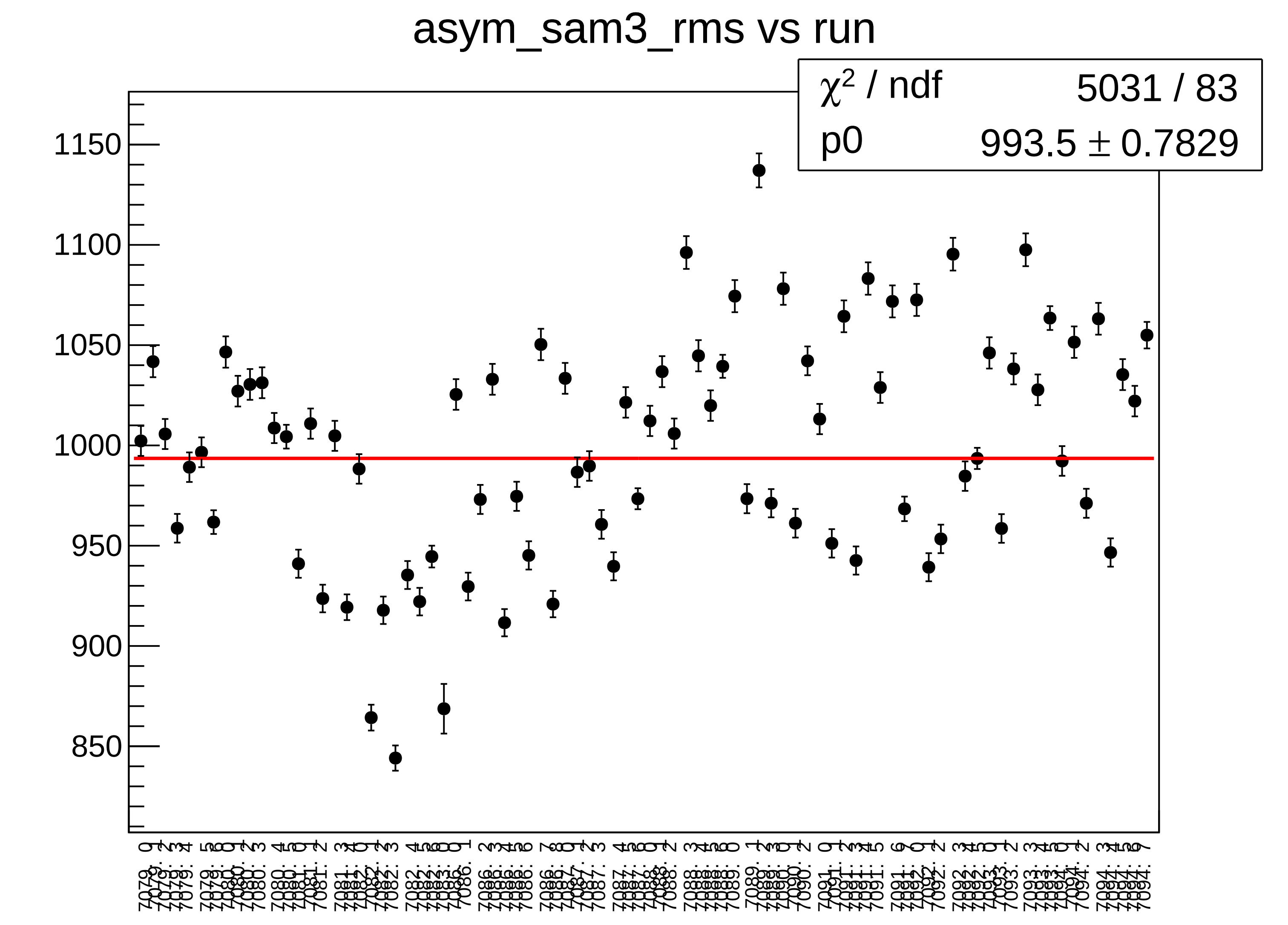
asym_sam2_mean vs run
χ^2 / ndf 73.94 / 83
p0 5210 ± 2418
pull
Entries 84
Mean −419.2
Std Dev 451.2
pull1D
Entries 84
Mean 0.01147
Std Dev 0.9381



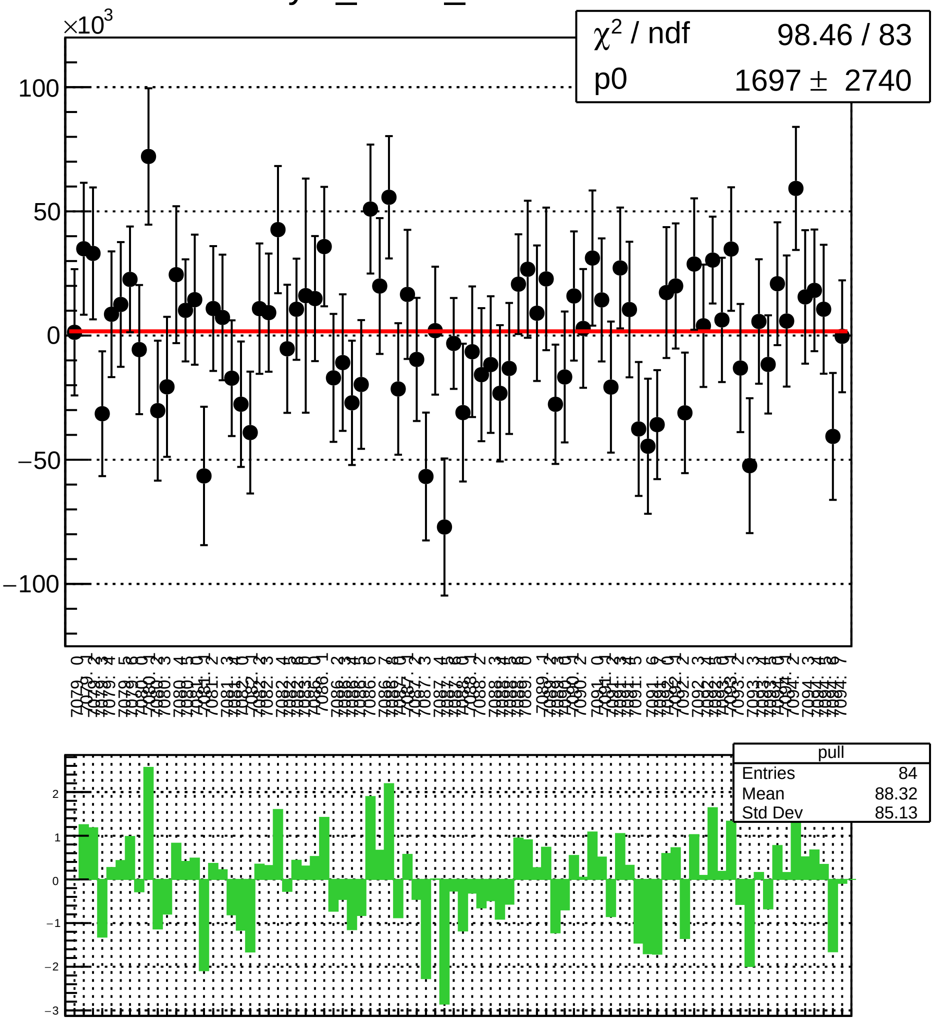
asym_sam2_rms vs run
χ² / ndf 3685 / 83
p0 2171 ± 1.71
2500
2400
2300
2200
2100
2000

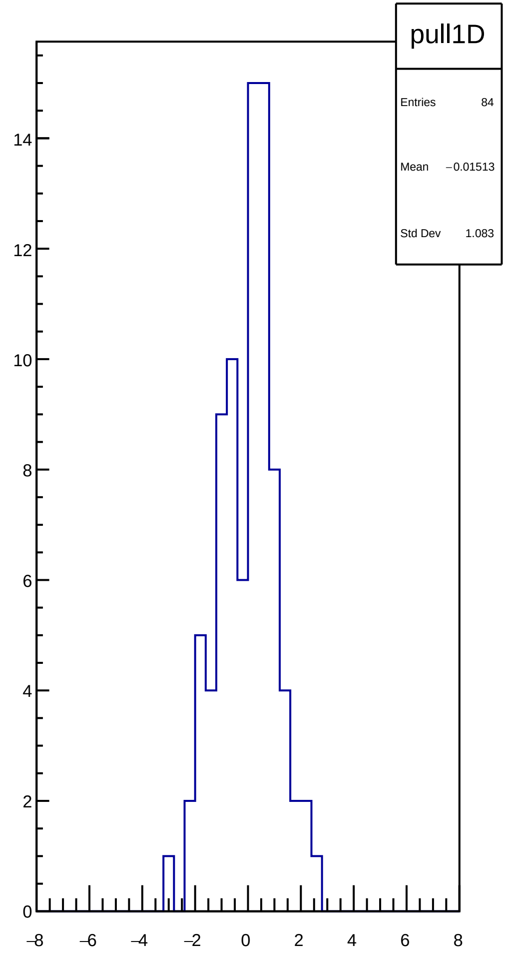


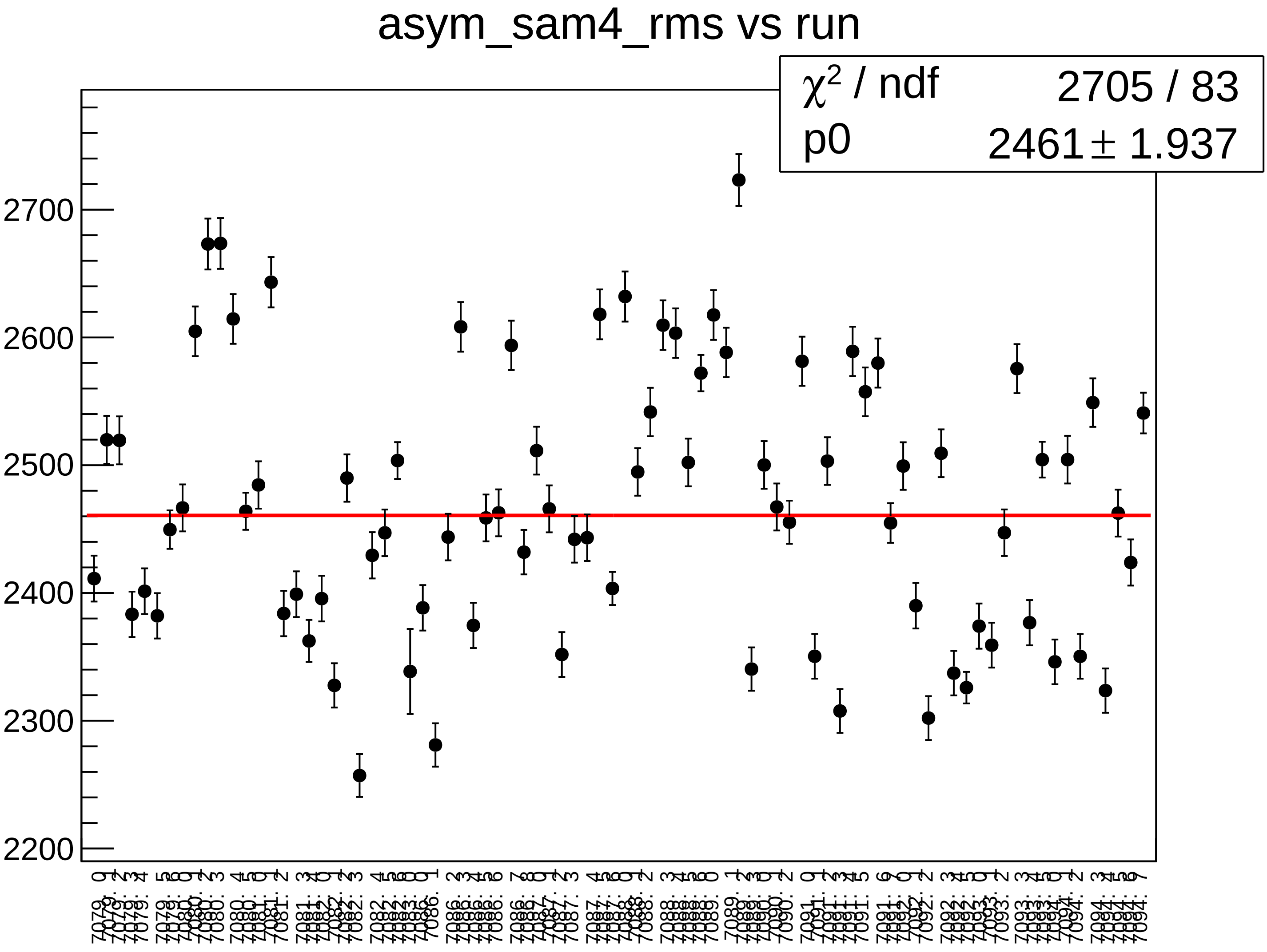
asym_sam3_mean vs run
χ^2 / ndf 93.25 / 83
p0 1972 ± 1107
pull
Entries 84
Mean 460.8
Std Dev 435.1
pull1D
Entries 84
Mean −0.008707
Std Dev 1.054

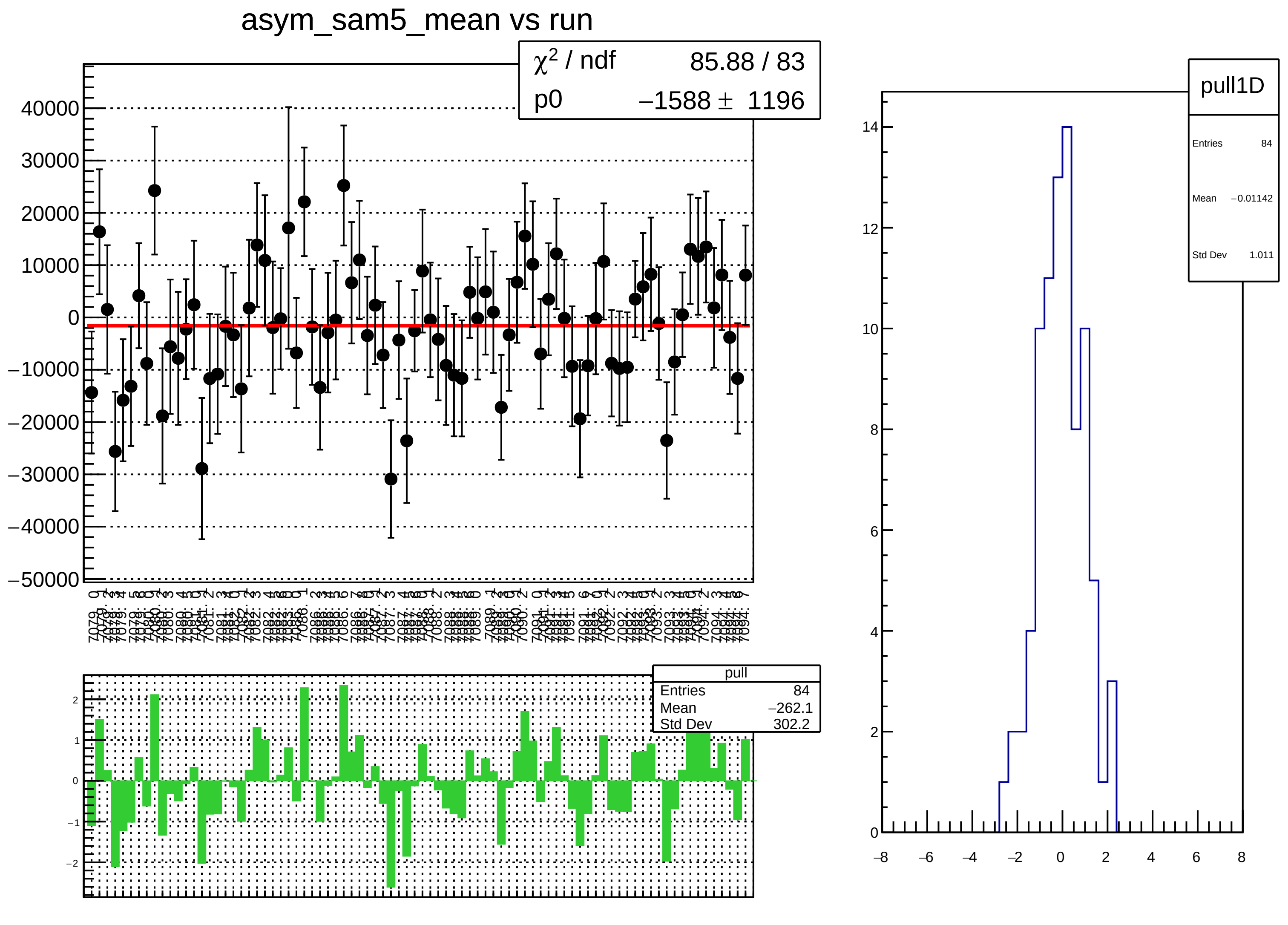

asym_sam3_rms vs run
χ2 / ndf 5031 / 83
p0 993.5 ± 0.7829
1150
1100
1050
1000
950
900
850

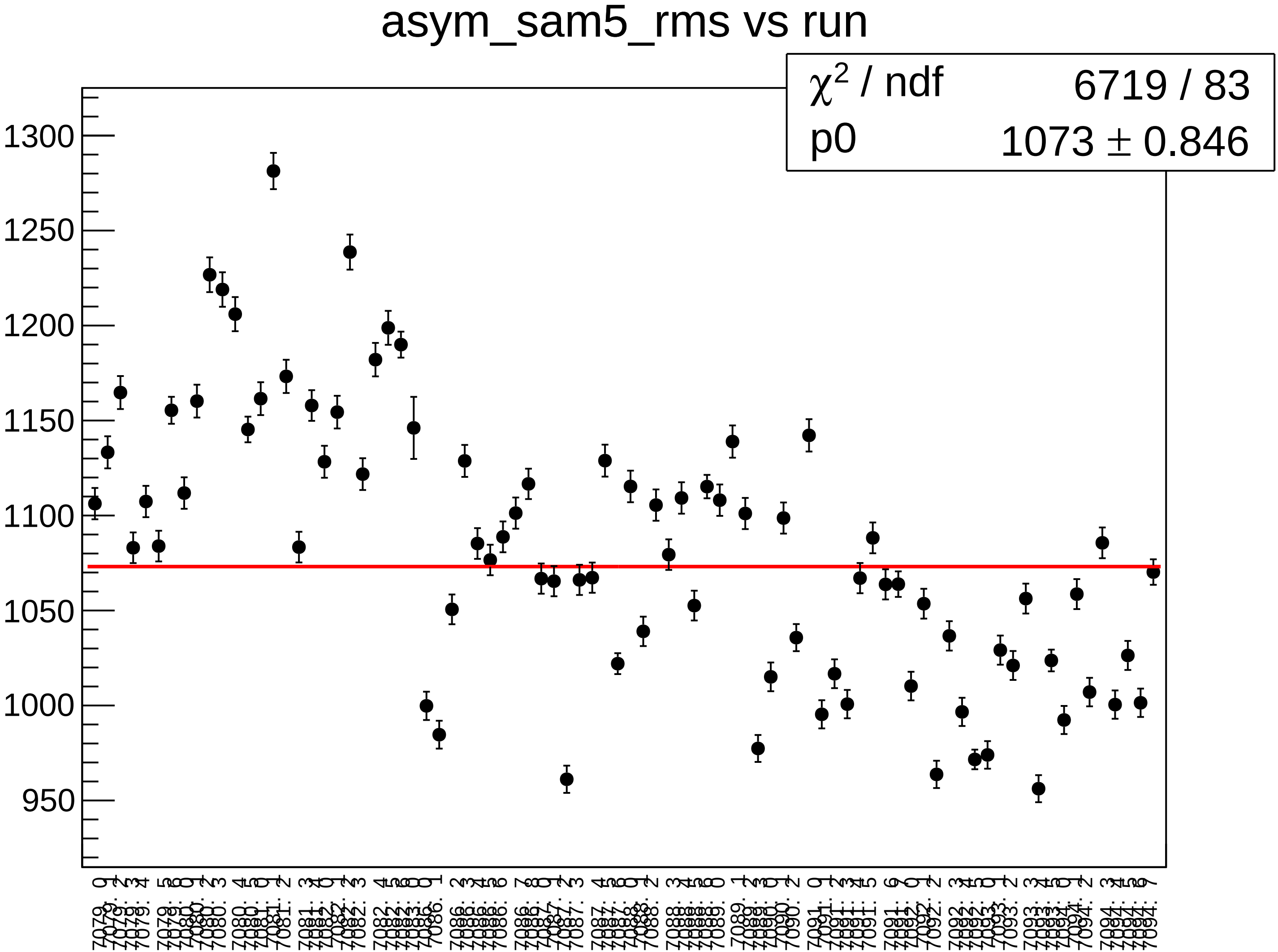
asym_sam4_mean vs run

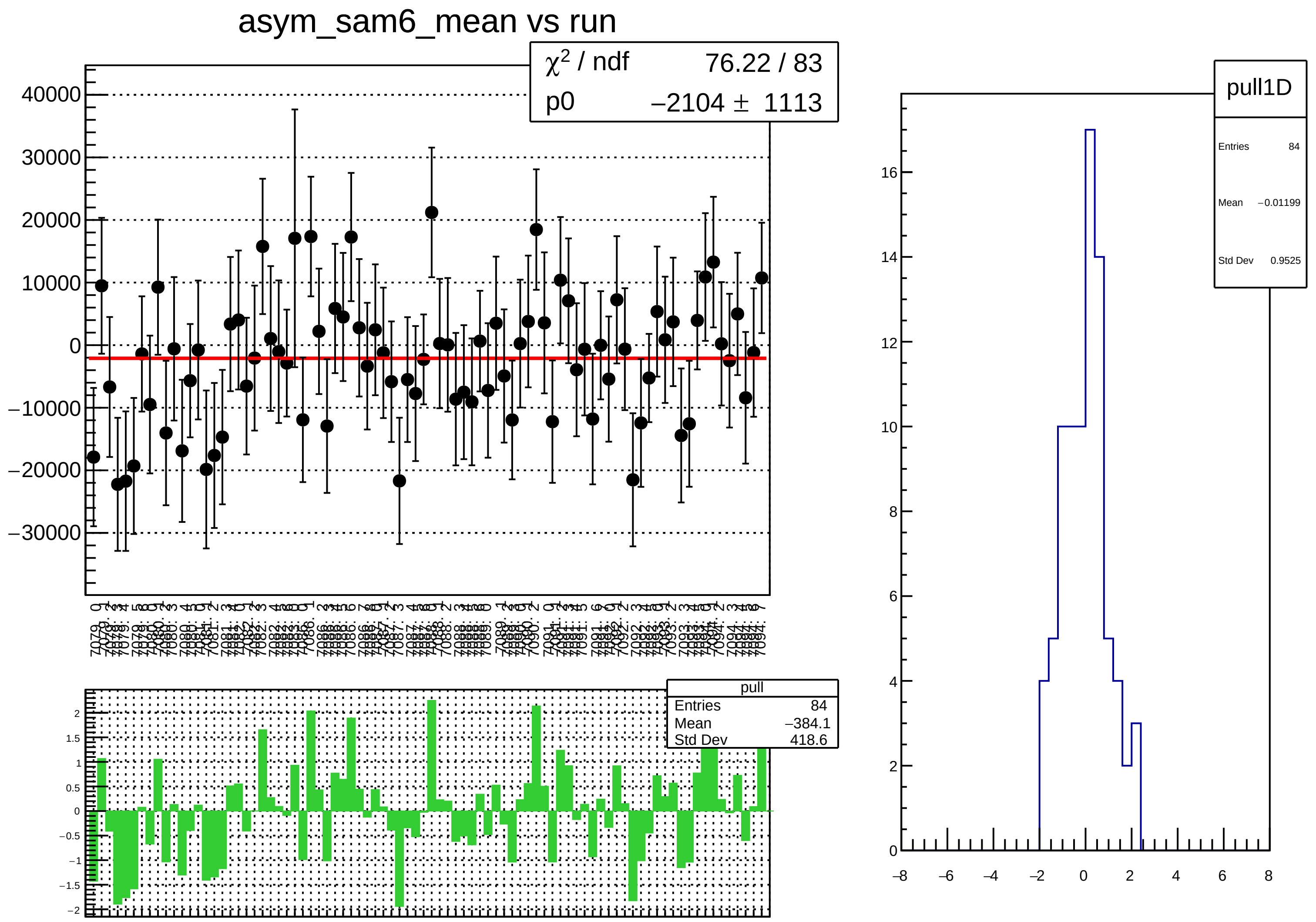




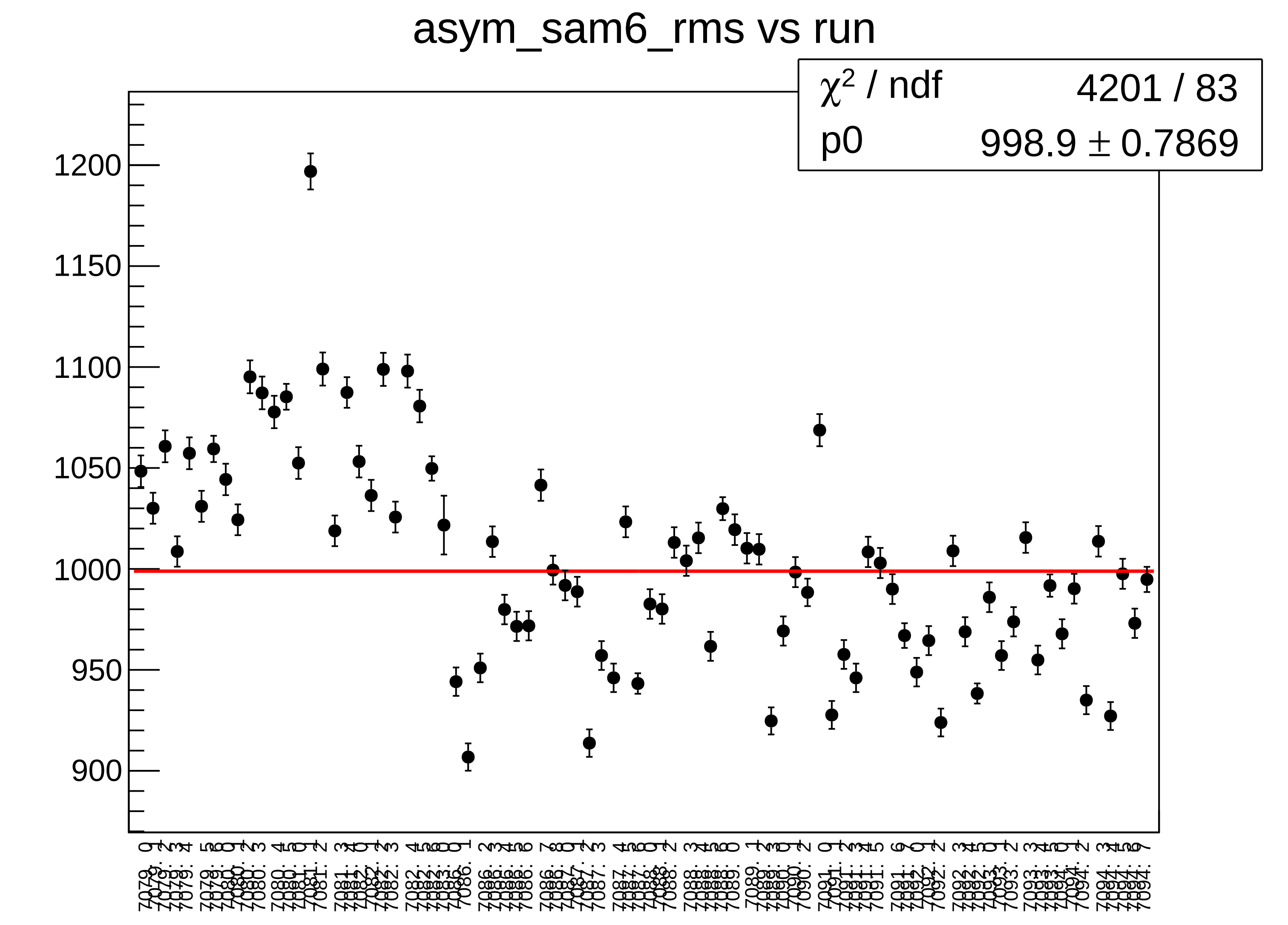

asym_sam4_rms vs run
χ2 / ndf 2705 / 83
p0 2461 ± 1.937
2700
2600
2500
2400
2300
2200


asym_sam5_mean vs run
χ^2 / ndf 85.88 / 83
p0 −1588 ± 1196
pull
Entries 84
Mean −262.1
Std Dev 302.2
pull1D
Entries 84
Mean −0.01142
Std Dev 1.011


asym_sam5_rms vs run
χ2 / ndf 6719 / 83
p0 1073 ± 0.846
1300
1250
1200
1150
1100
1050
1000
950

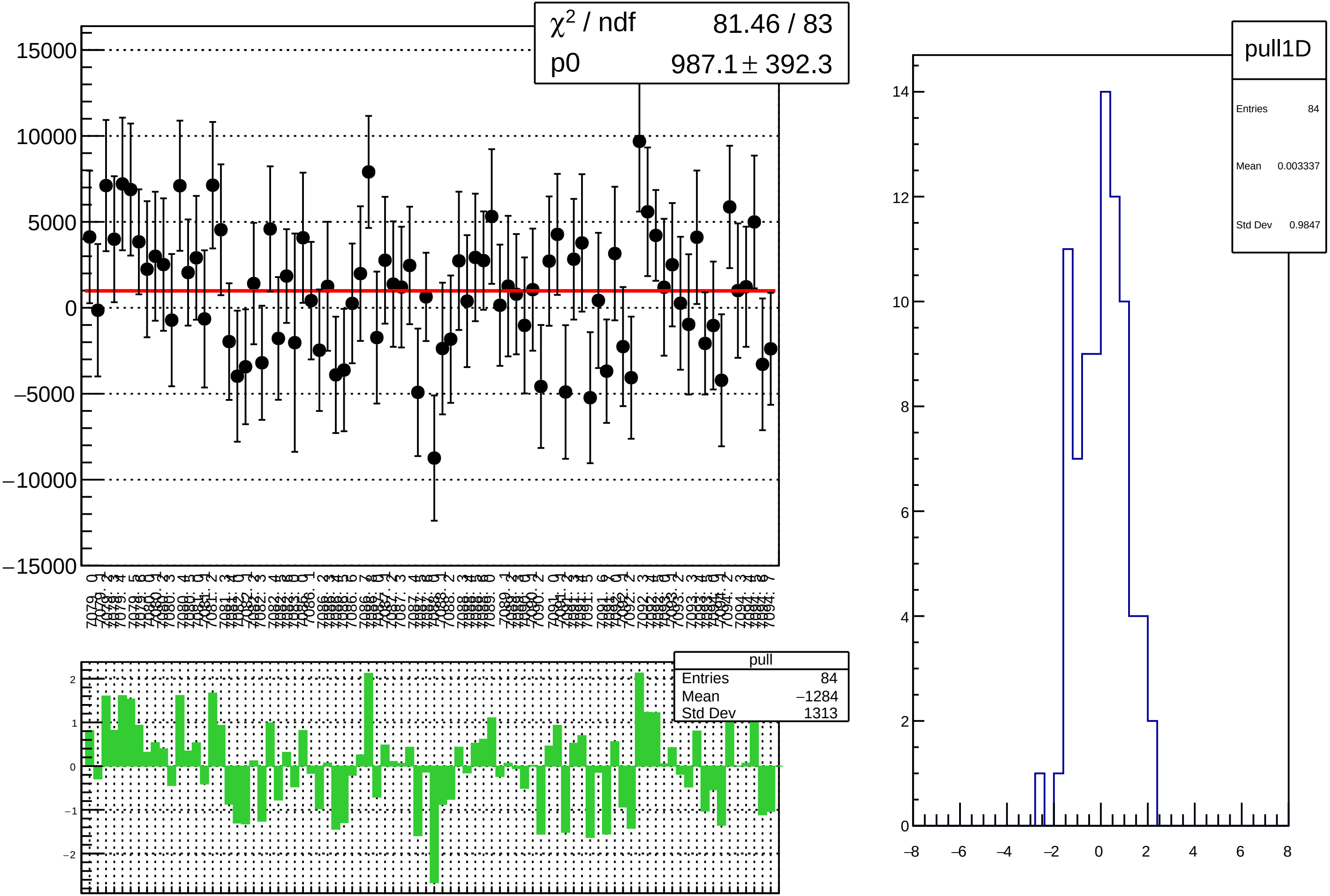


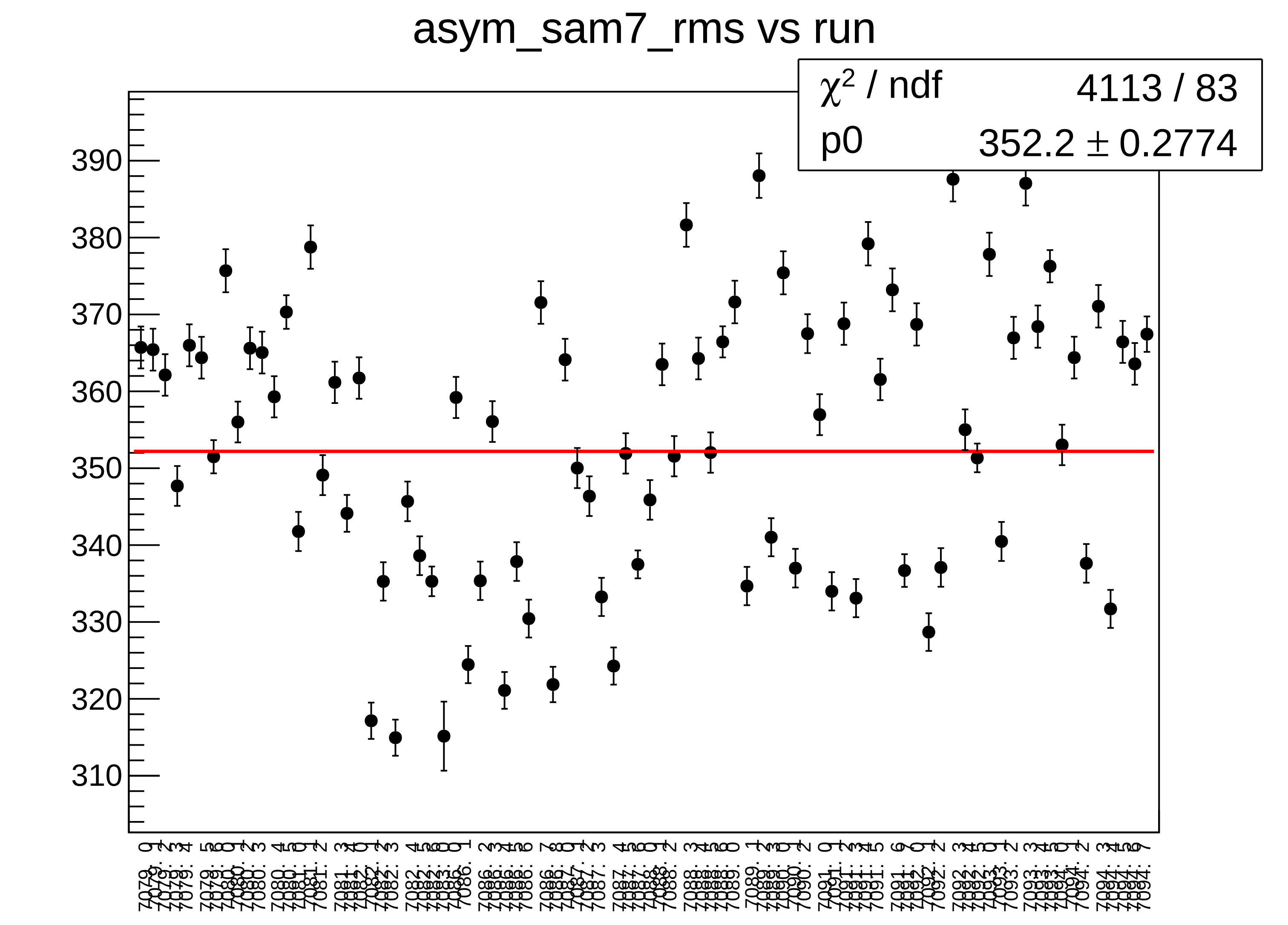
asym_sam6_mean vs run
χ^2 / ndf 76.22 / 83
p0 −2104 ± 1113
pull
Entries 84
Mean −384.1
Std Dev 418.6
pull1D
Entries 84
Mean −0.01199
Std Dev 0.9525

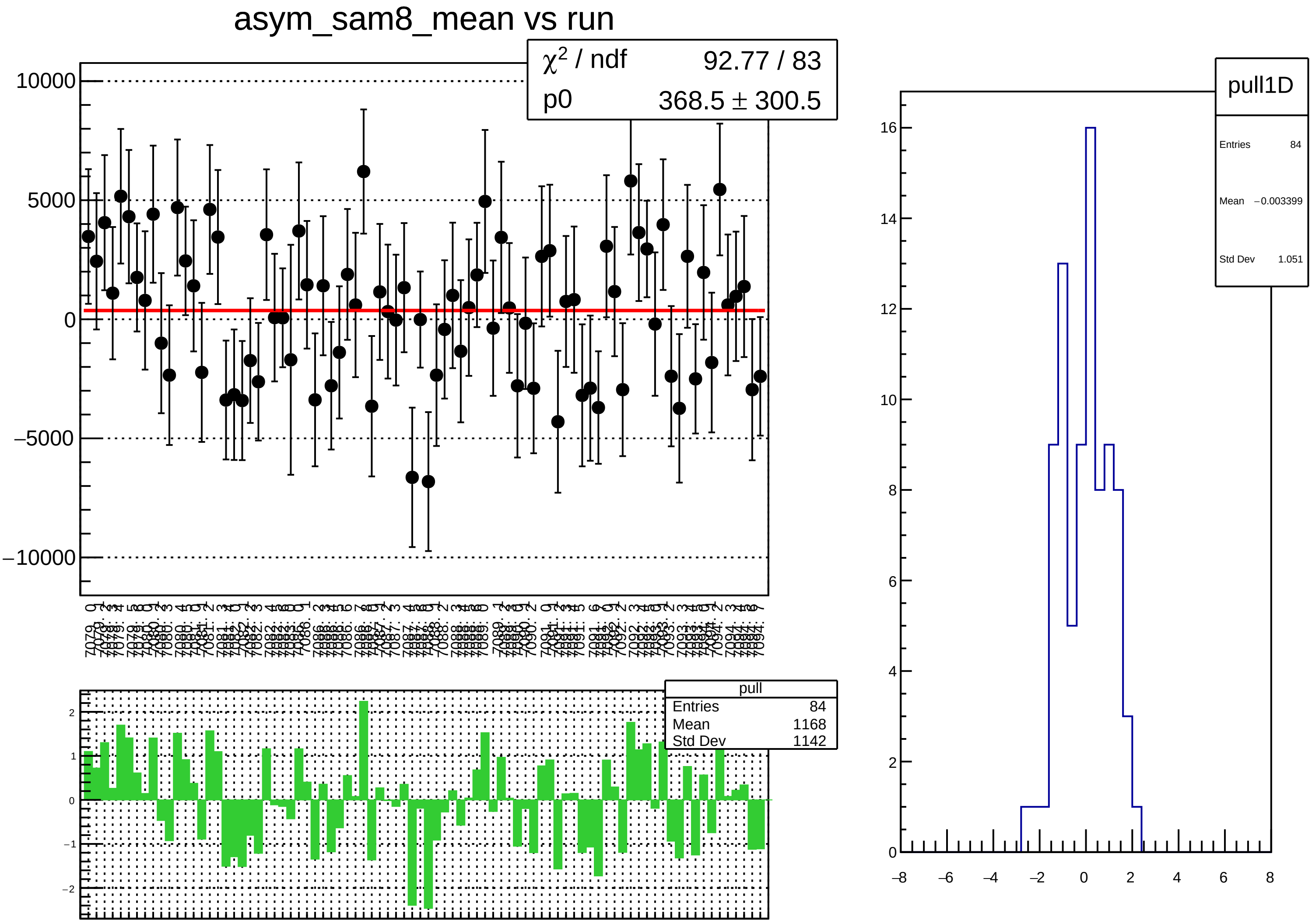


asym_sam6_rms vs run
χ^2 / ndf 4201 / 83
p0 998.9 ± 0.7869
1200
1150
1100
1050
1000
950
900

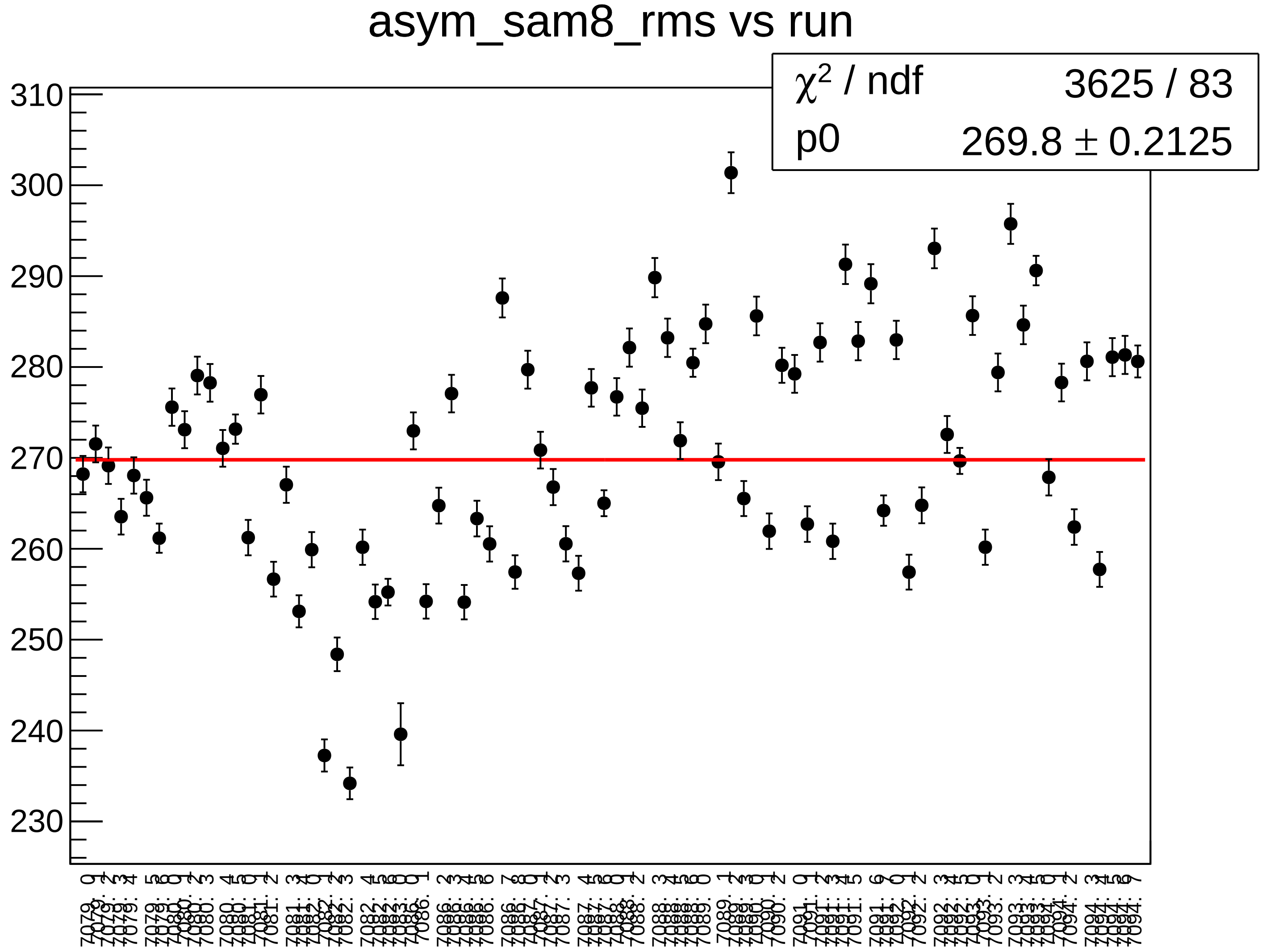
asym_sam7_mean vs run



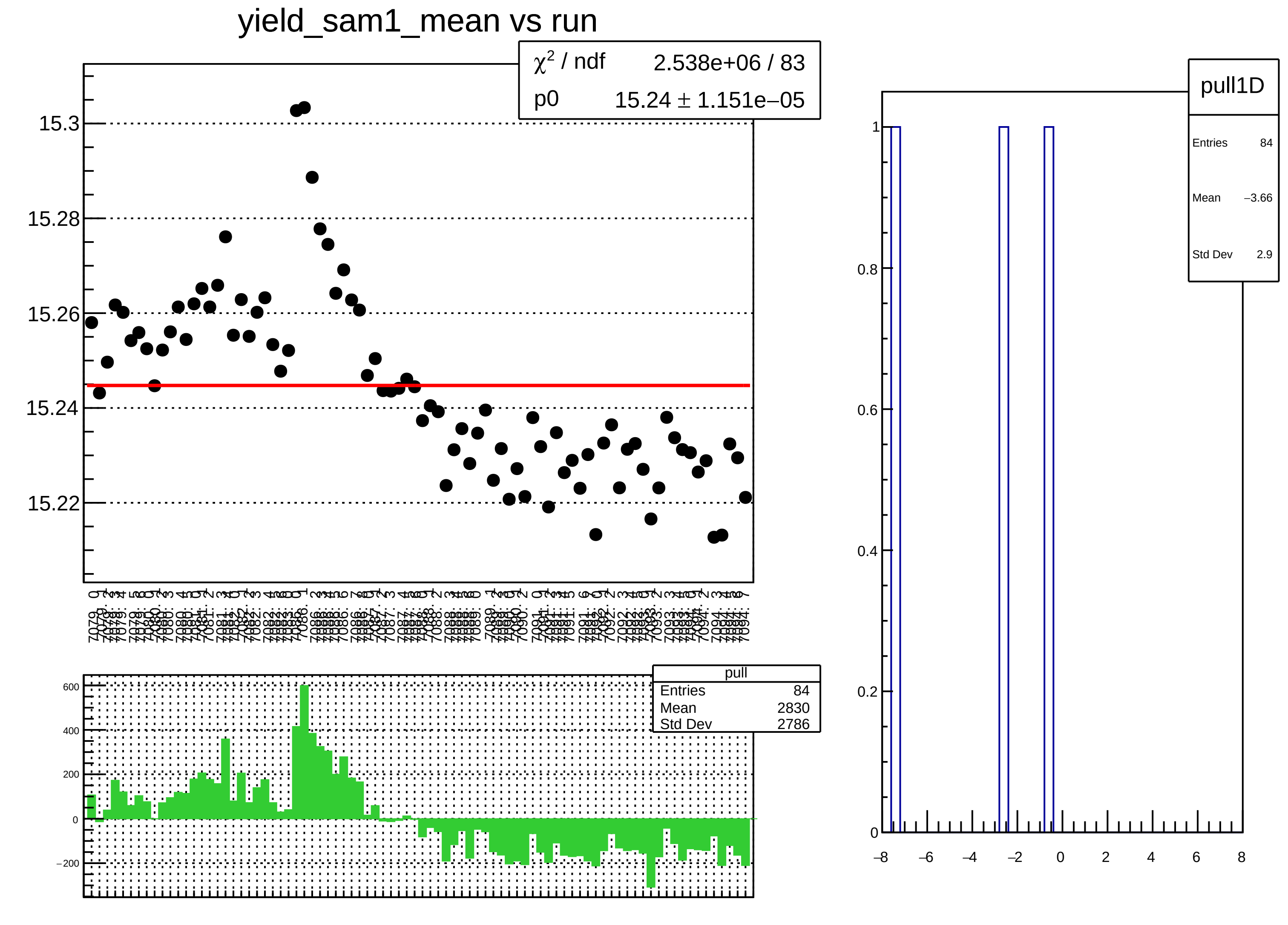

asym_sam7_rms vs run
χ^2 / ndf 4113 / 83
p0 352.2 ± 0.2774
390
380
370
360
350
340
330
320
310

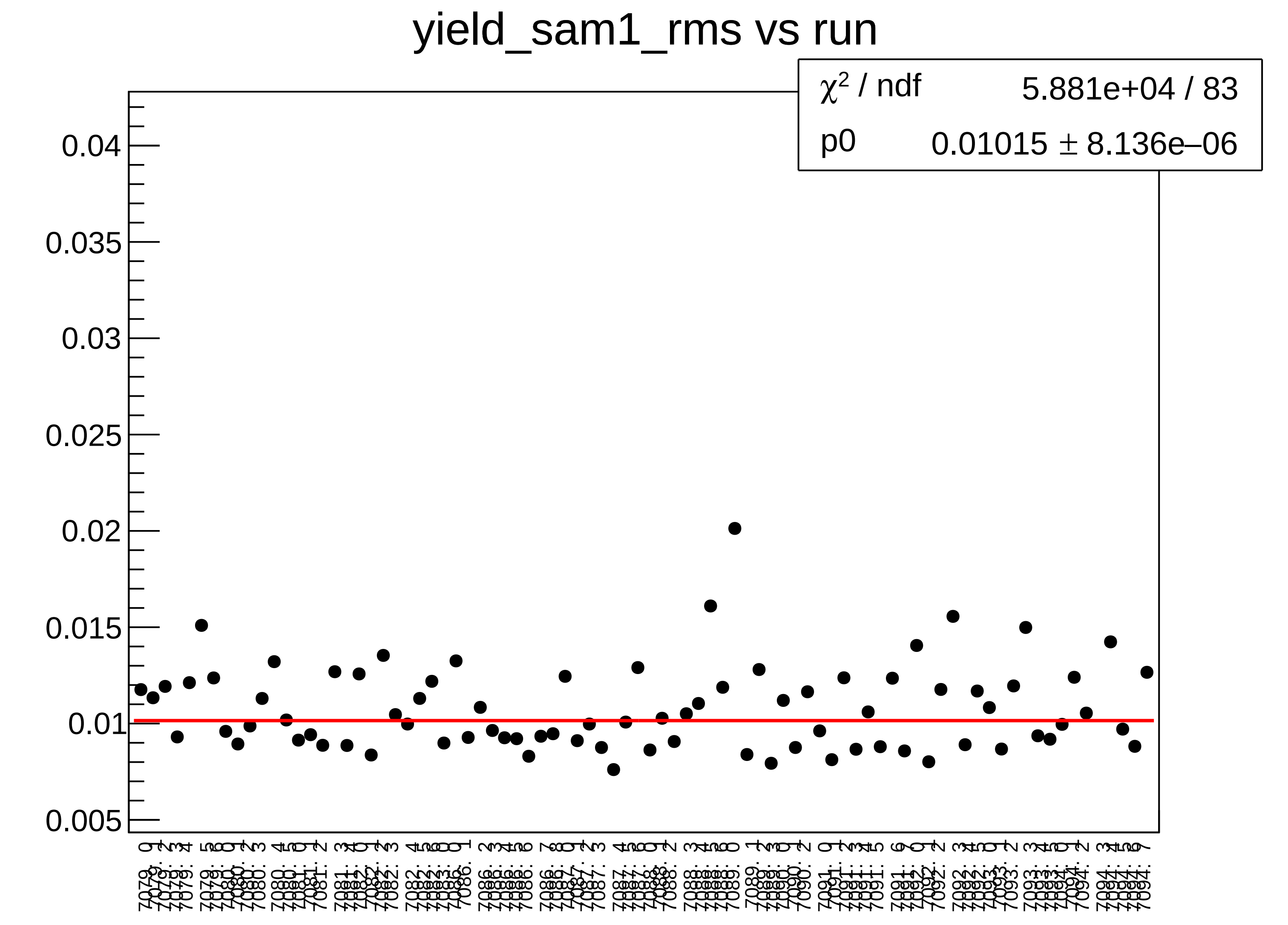


asym_sam8_mean vs run
χ^2 / ndf 92.77 / 83
p0 368.5 ± 300.5
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 1168
Std Dev 1142
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.003399
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

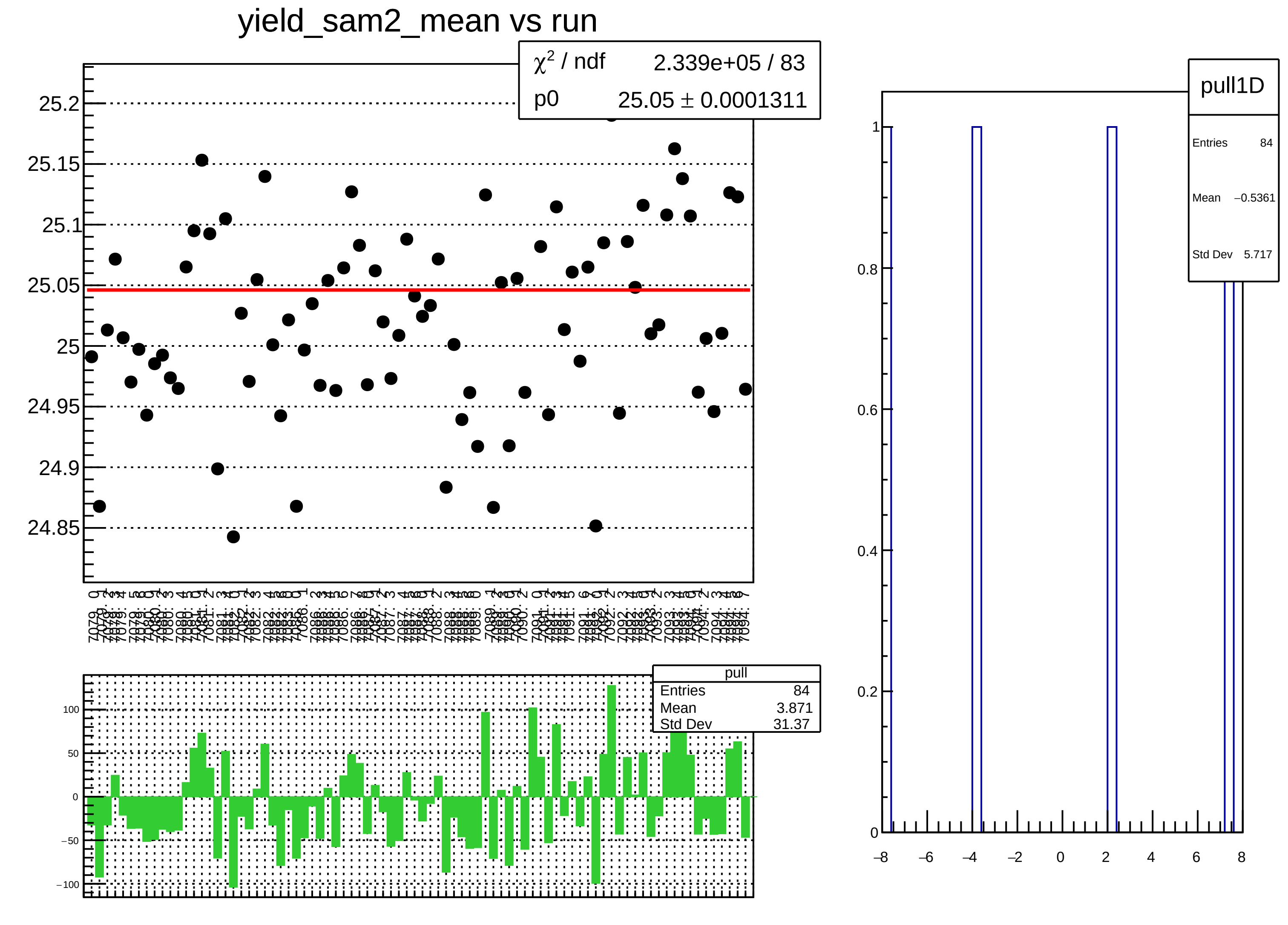


asym_sam8_rms vs run
χ^2 / ndf 3625 / 83
p0 269.8 ± 0.2125
310
300
290
280
270
260
250
240
230

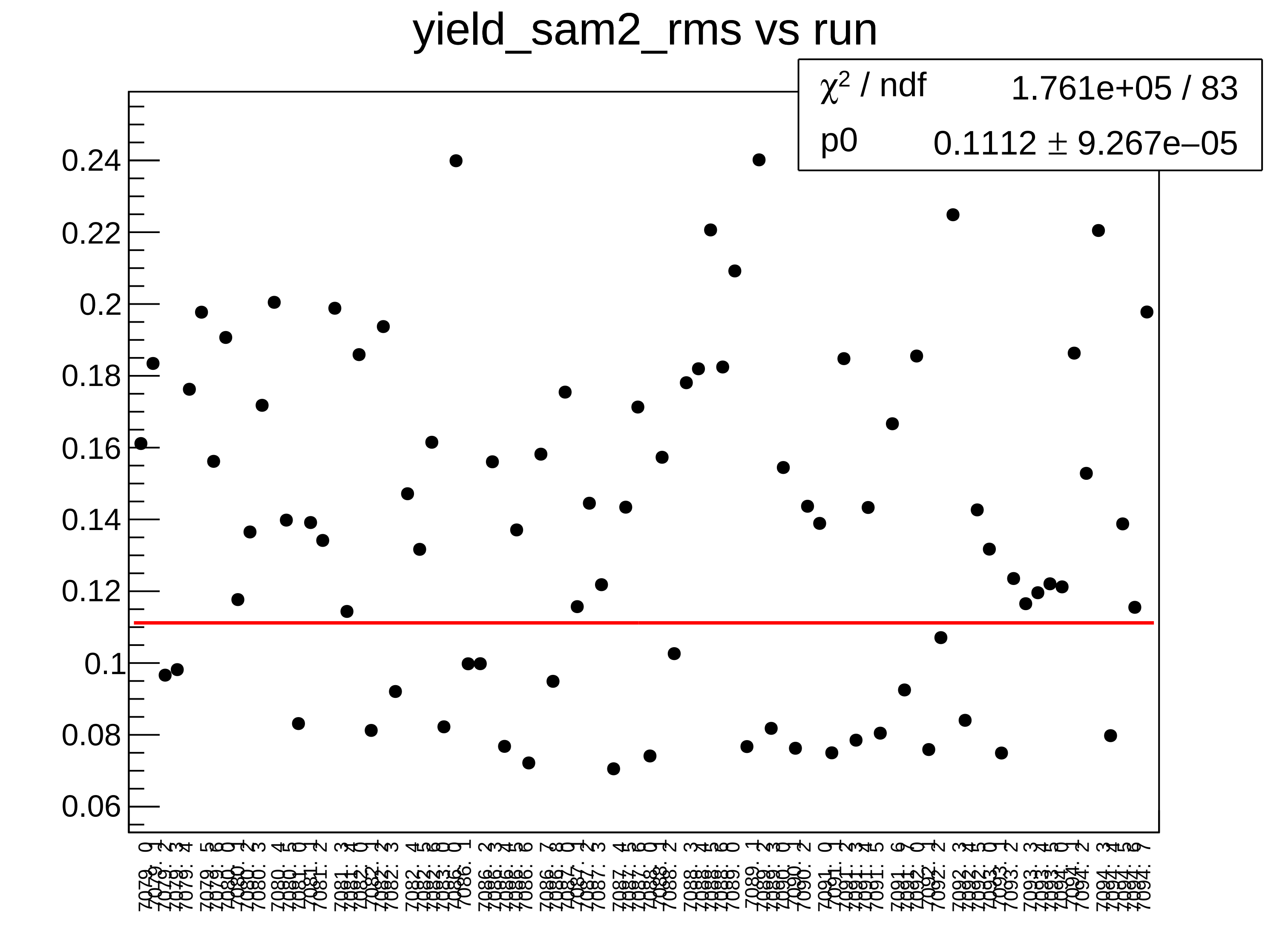

yield_sam1_mean vs run
χ^2 / ndf 2.538e+06 / 83
p0 15.24 ± 1.151e−05
15.3
15.28
15.26
15.24
15.22
pull
Entries 84
Mean 2830
Std Dev 2786
600
400
200
0
−200
pull1D
Entries 84
Mean −3.66
Std Dev 2.9
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

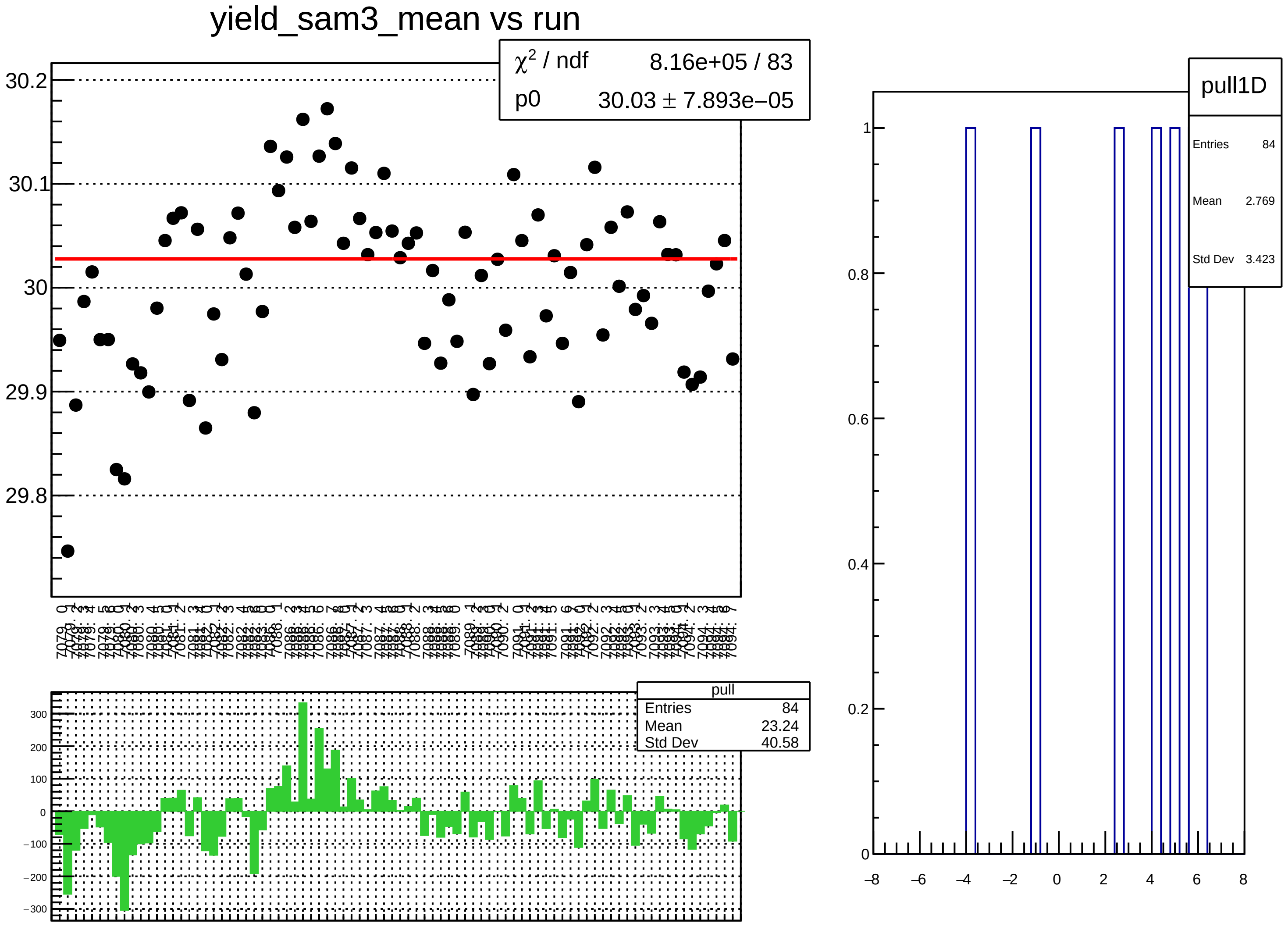


yield_sam1_rms vs run
χ² / ndf 5.881e+04 / 83
p0 0.01015 ± 8.136e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

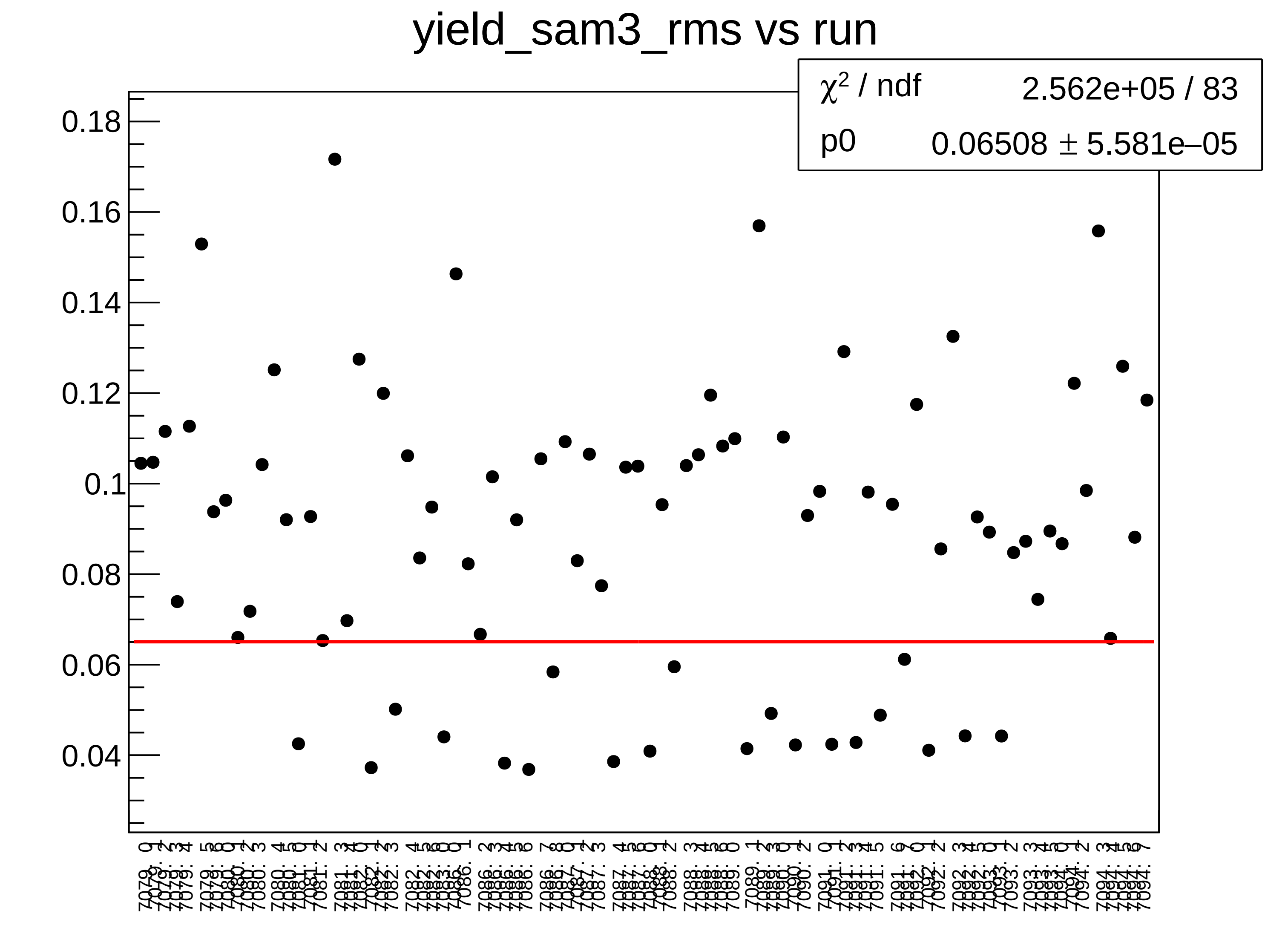


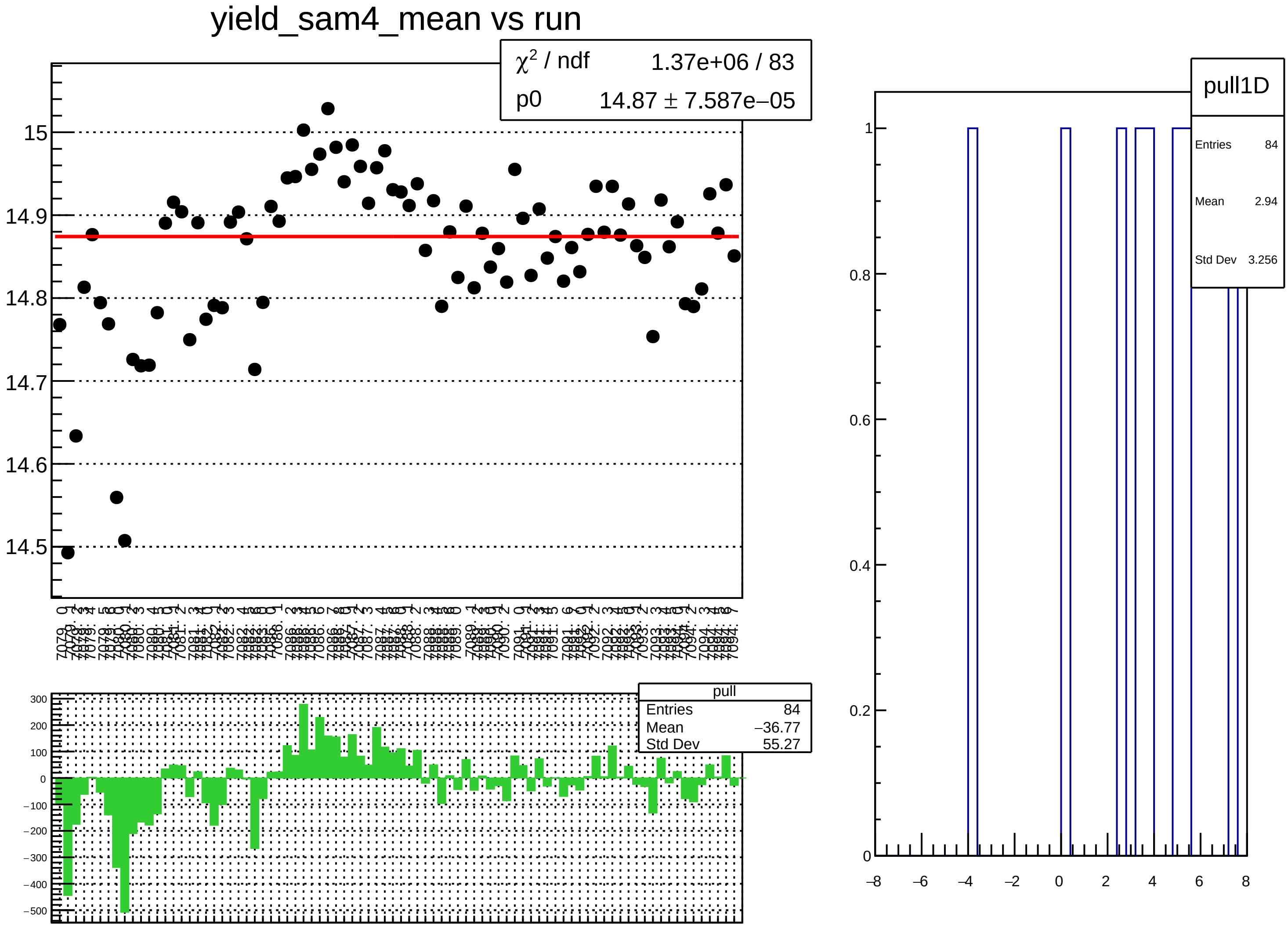
yield_sam2_mean vs run
χ^2 / ndf 2.339e+05 / 83
p0 25.05 ± 0.0001311
pull
Entries 84
Mean 3.871
Std Dev 31.37
pull1D
Entries 84
Mean −0.5361
Std Dev 5.717


yield_sam2_rms vs run
χ^2 / ndf 1.761e+05 / 83
p0 0.1112 ± 9.267e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

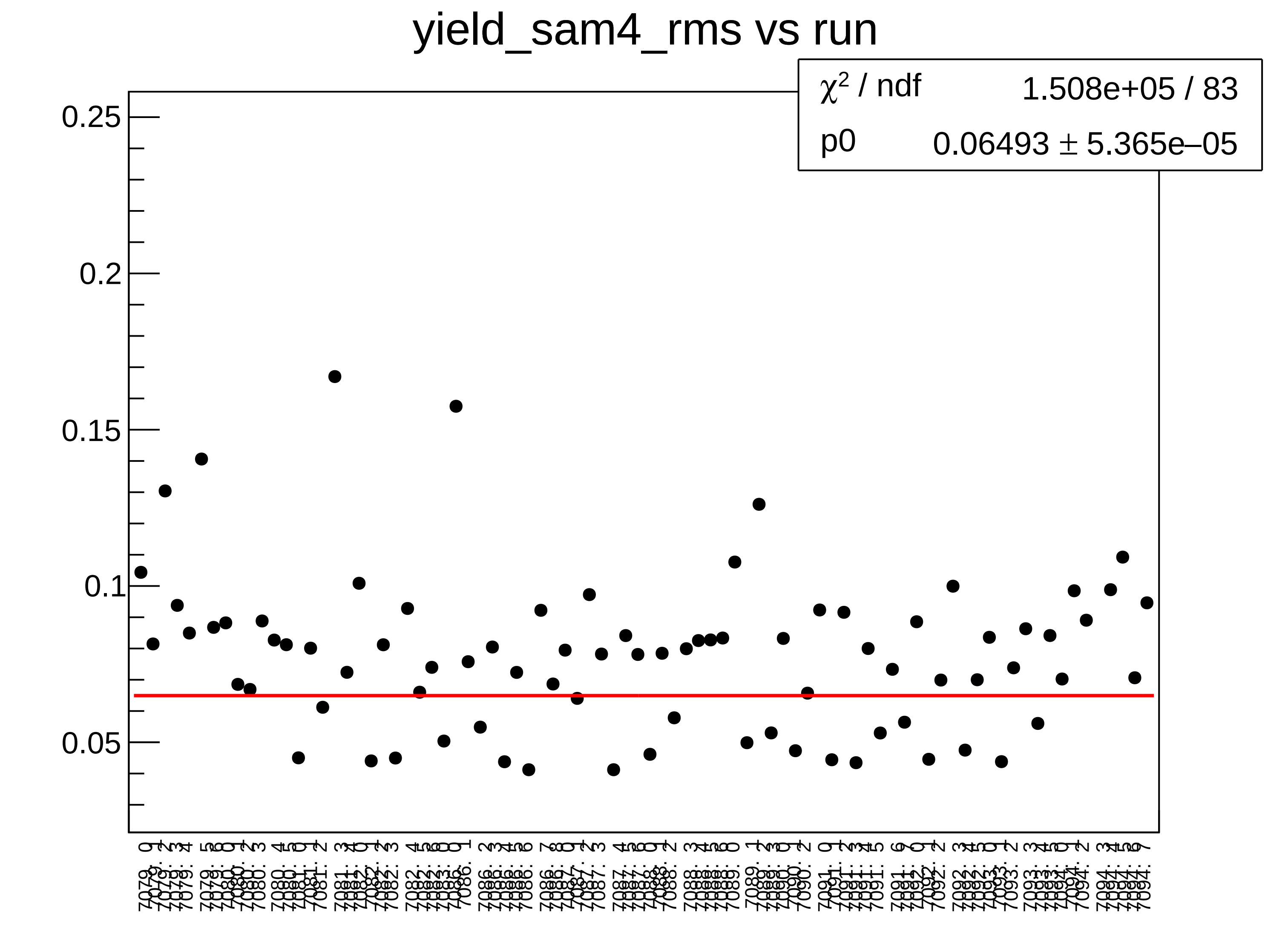


yield_sam3_mean vs run
χ^2 / ndf 8.16e+05 / 83
p0 30.03 ± 7.893e−05
pull
Entries 84
Mean 23.24
Std Dev 40.58
pull1D
Entries 84
Mean 2.769
Std Dev 3.423

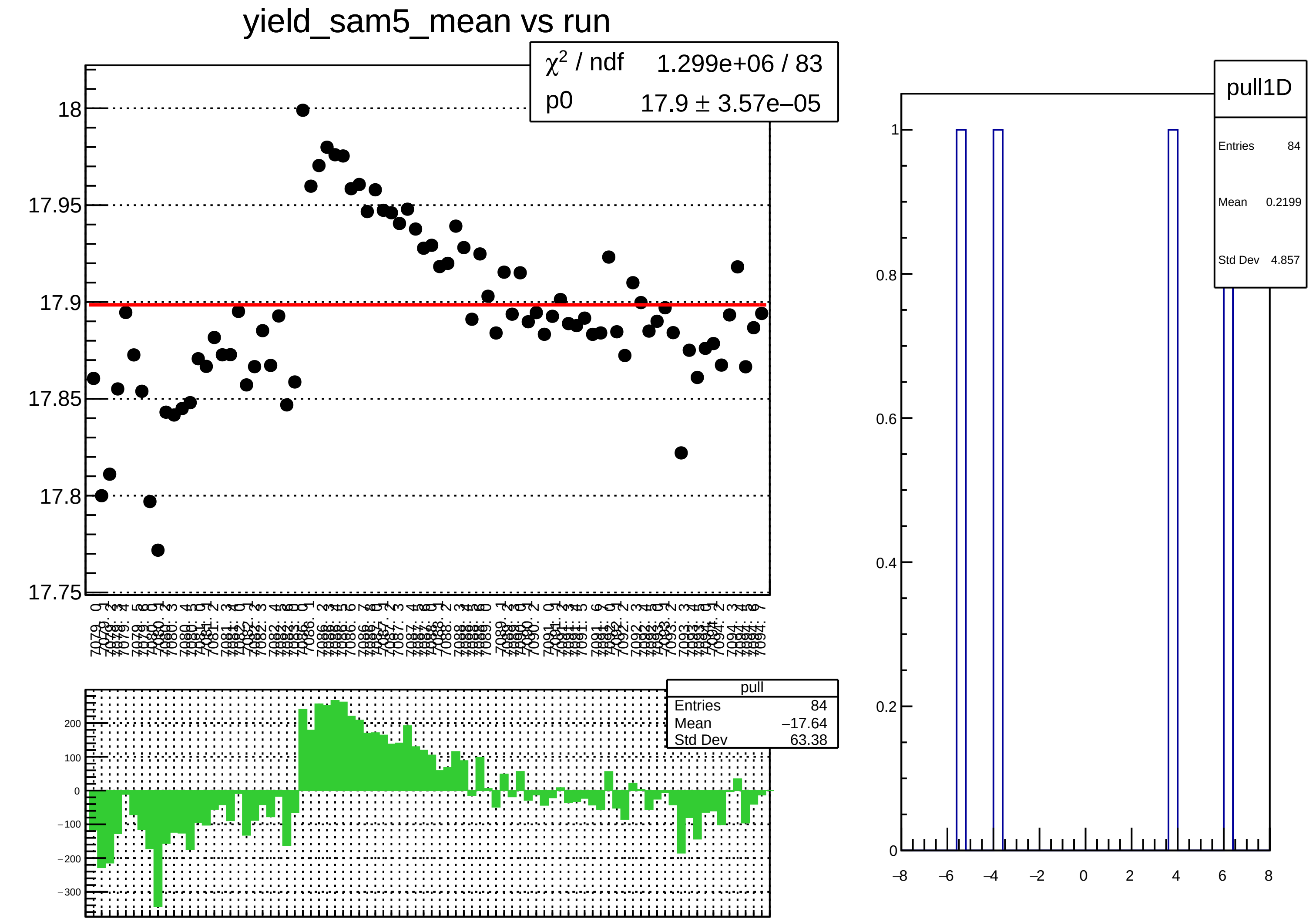

yield_sam3_rms vs run
χ^2 / ndf 2.562e+05 / 83
p0 0.06508 ± 5.581e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04



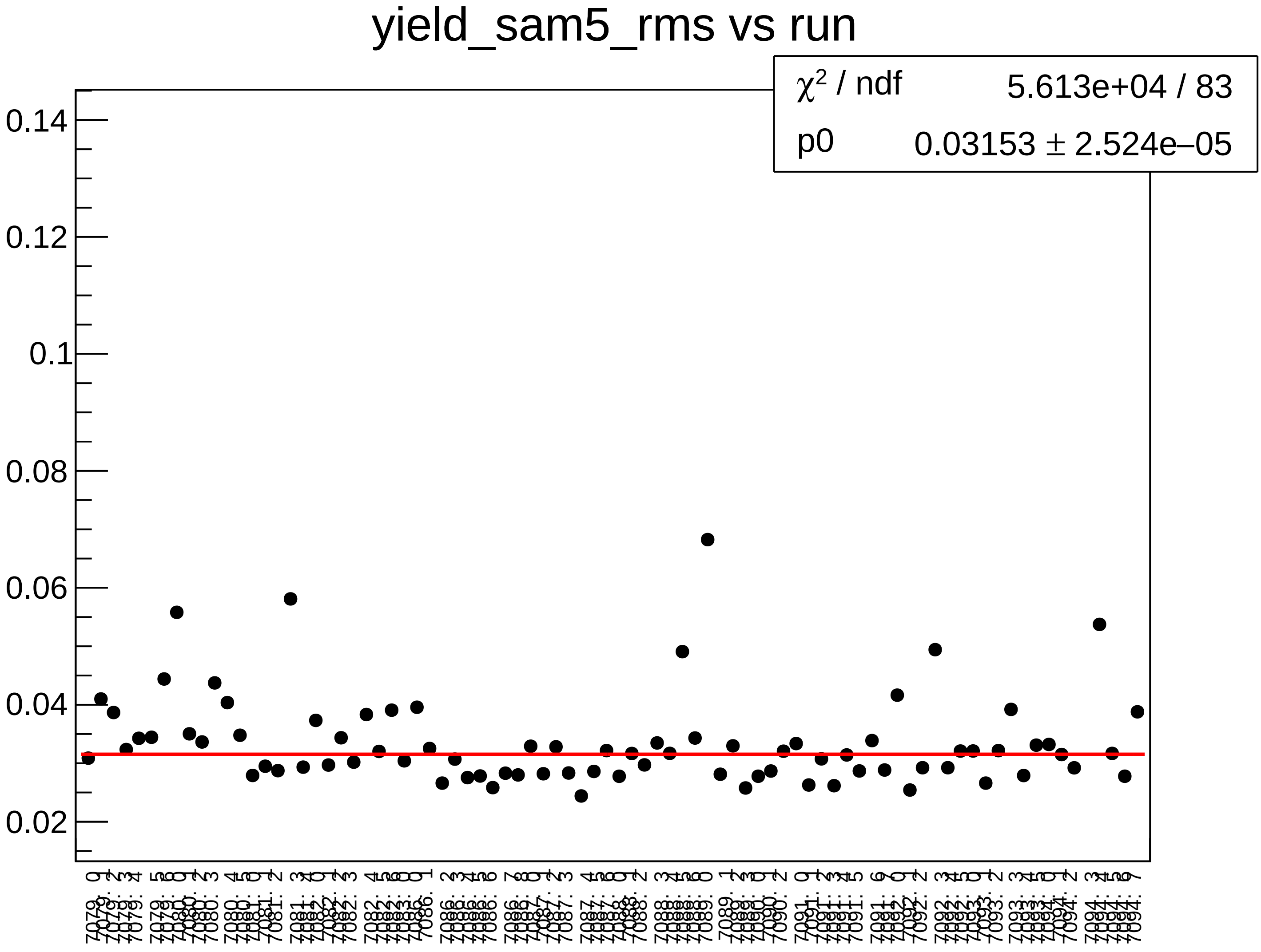
yield_sam4_mean vs run
χ^2 / ndf 1.37e+06 / 83
p0 14.87 ± 7.587e−05
pull
Entries 84
Mean −36.77
Std Dev 55.27
pull1D
Entries 84
Mean 2.94
Std Dev 3.256



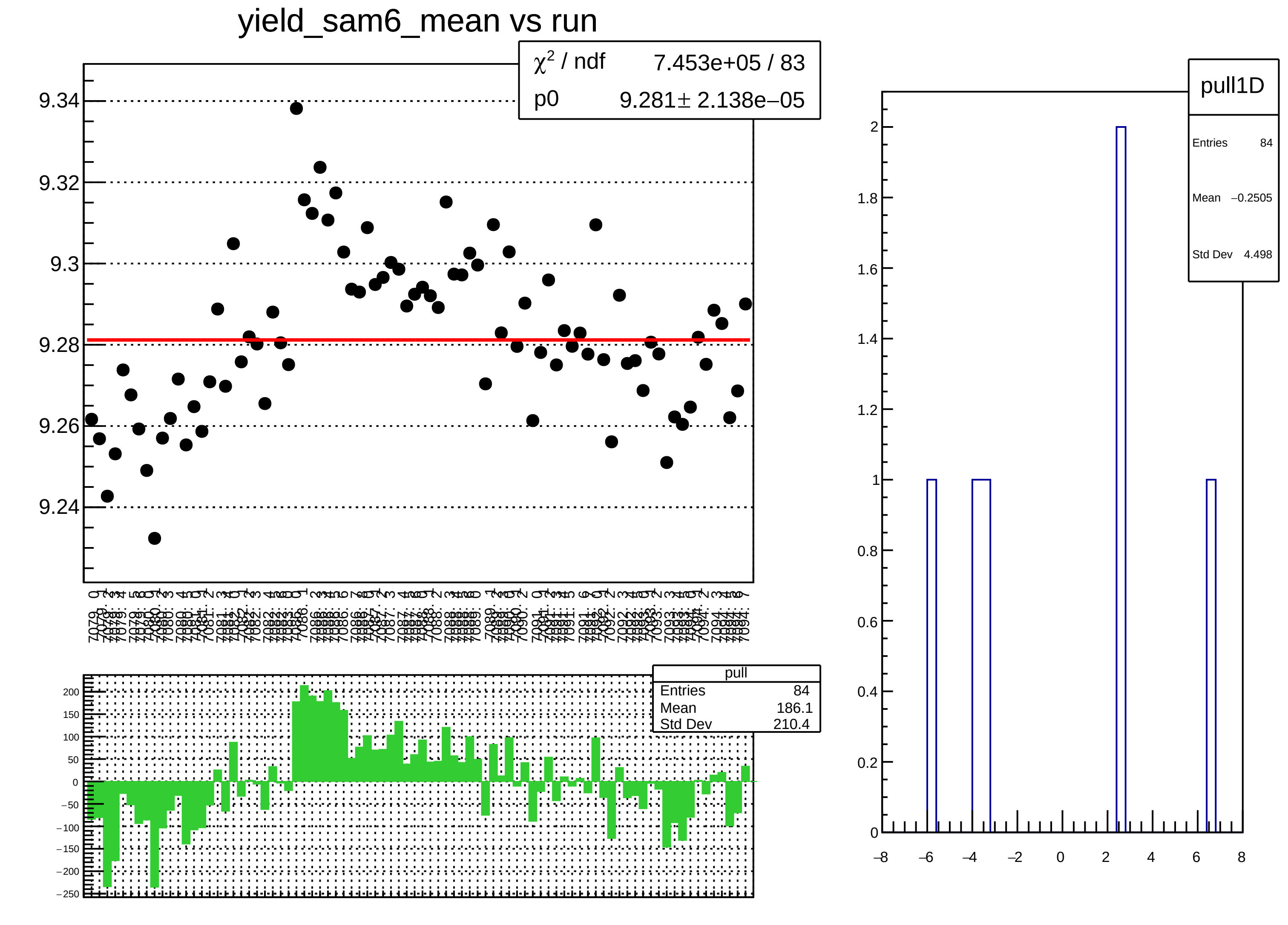
yield_sam4_rms vs run
χ^2 / ndf 1.508e+05 / 83
p0 0.06493 ± 5.365e−05
0.25
0.2
0.15
0.1
0.05



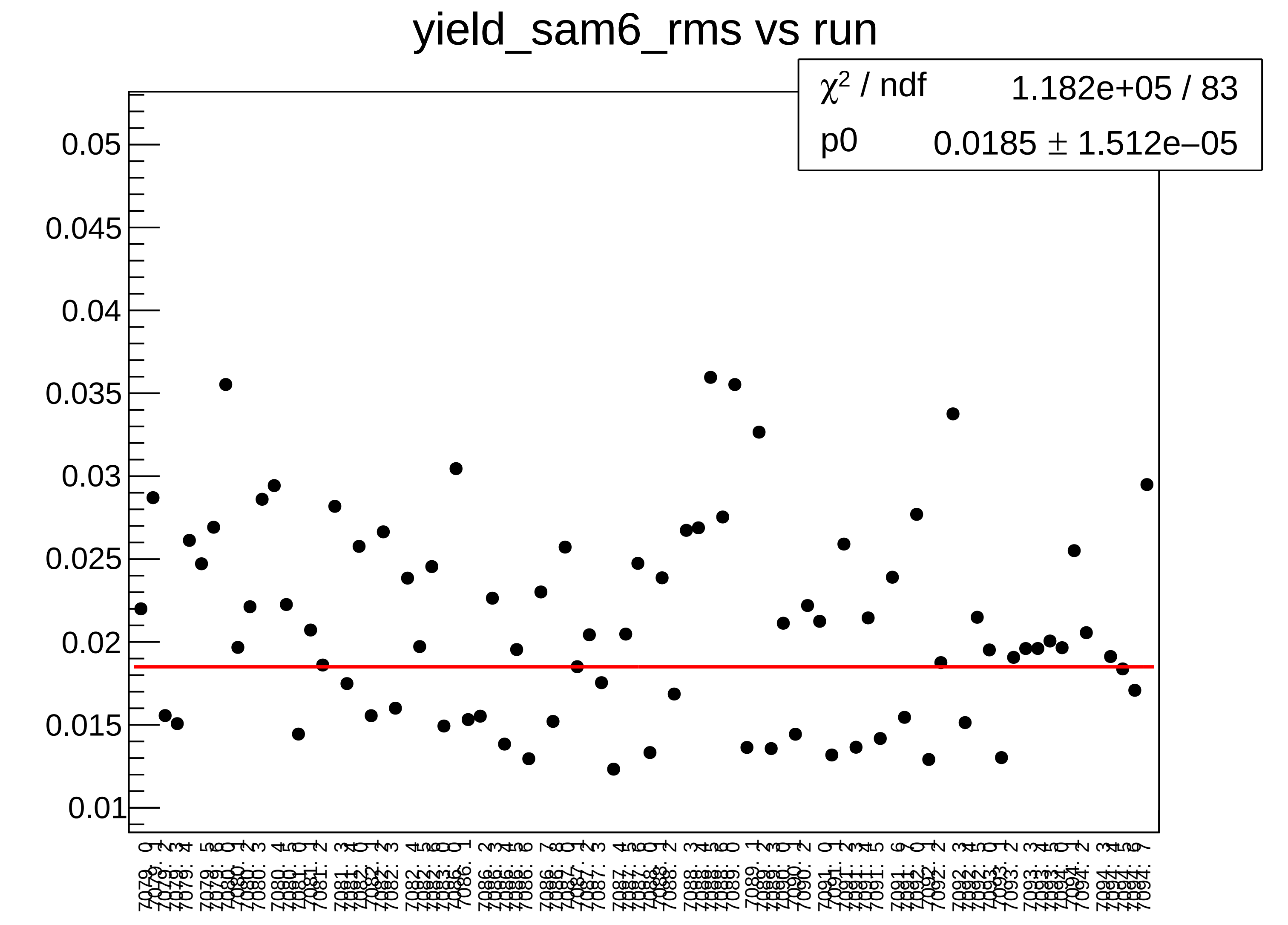
yield_sam5_mean vs run
χ^2 / ndf 1.299e+06 / 83
p0 17.9 ± 3.57e−05
18
17.95
17.9
17.85
17.8
17.75
pull
Entries 84
Mean −17.64
Std Dev 63.38
200
100
0
−100
−200
−300
pull1D
Entries 84
Mean 0.2199
Std Dev 4.857
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



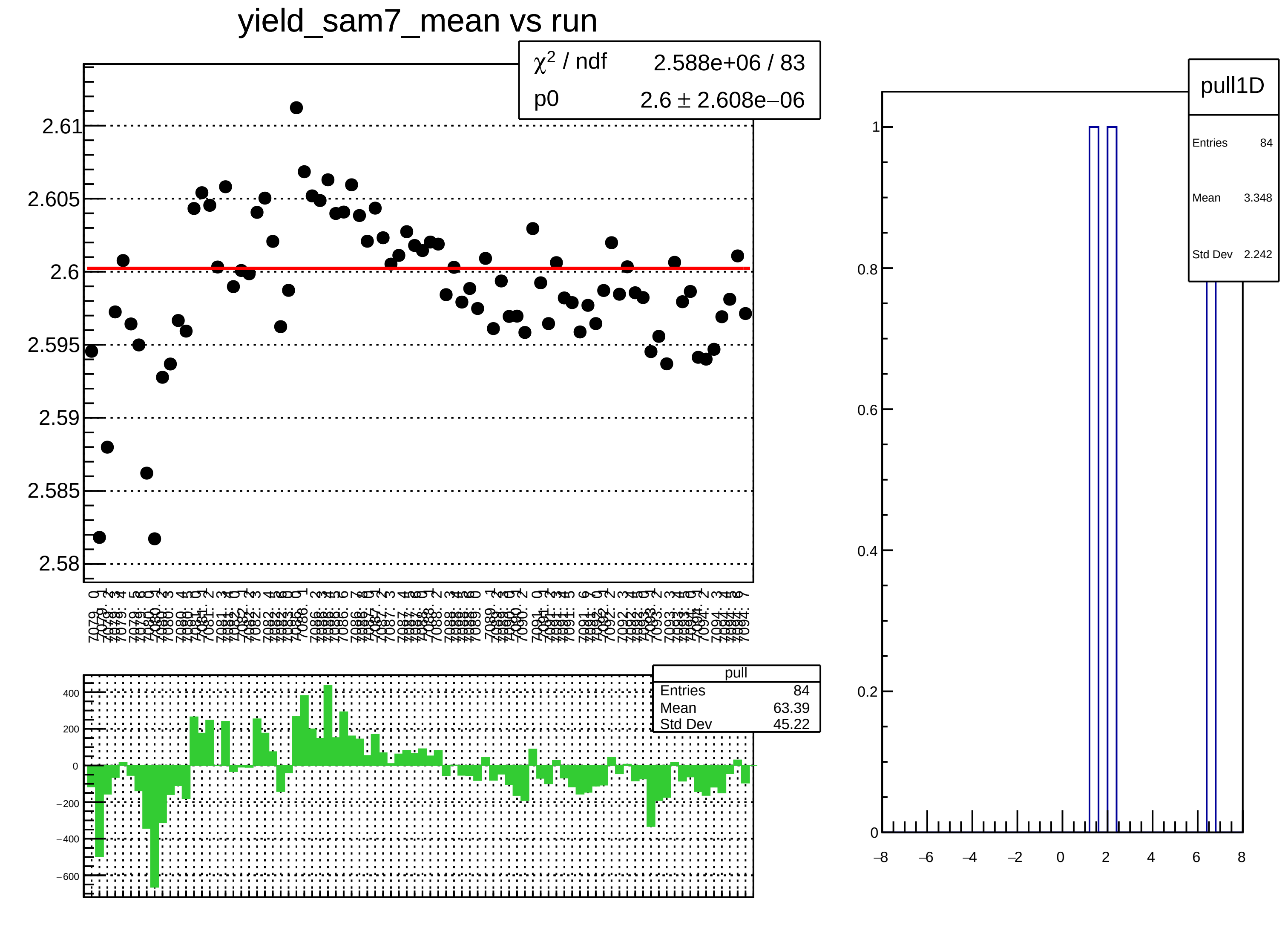
yield_sam5_rms vs run
χ2 / ndf 5.613e+04 / 83
p0 0.03153 ± 2.524e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02



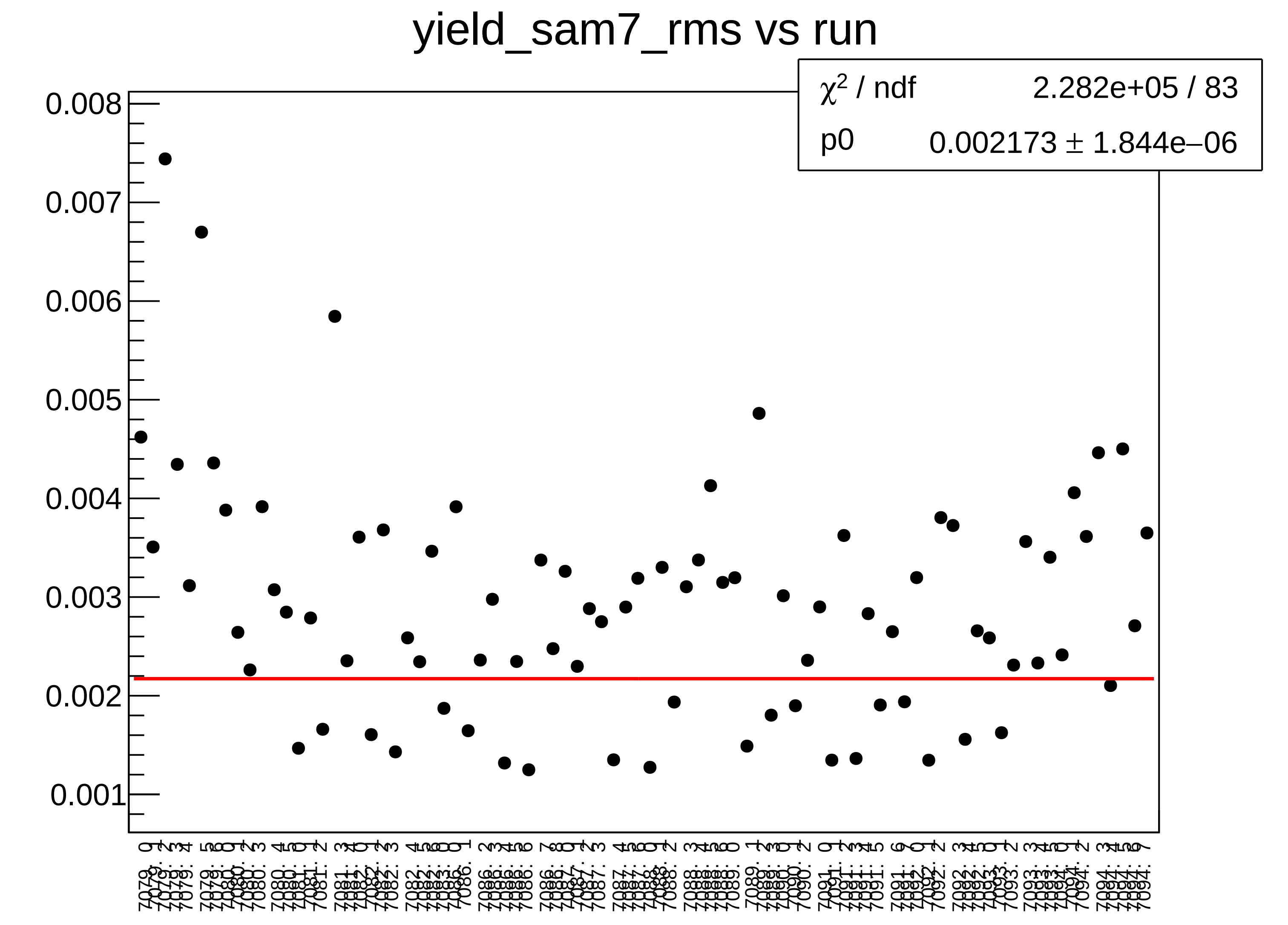
yield_sam6_mean vs run
χ2 / ndf 7.453e+05 / 83
p0 9.281± 2.138e−05
9.34
9.32
9.3
9.28
9.26
9.24
pull
Entries 84
Mean 186.1
Std Dev 210.4
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 84
Mean −0.2505
Std Dev 4.498
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

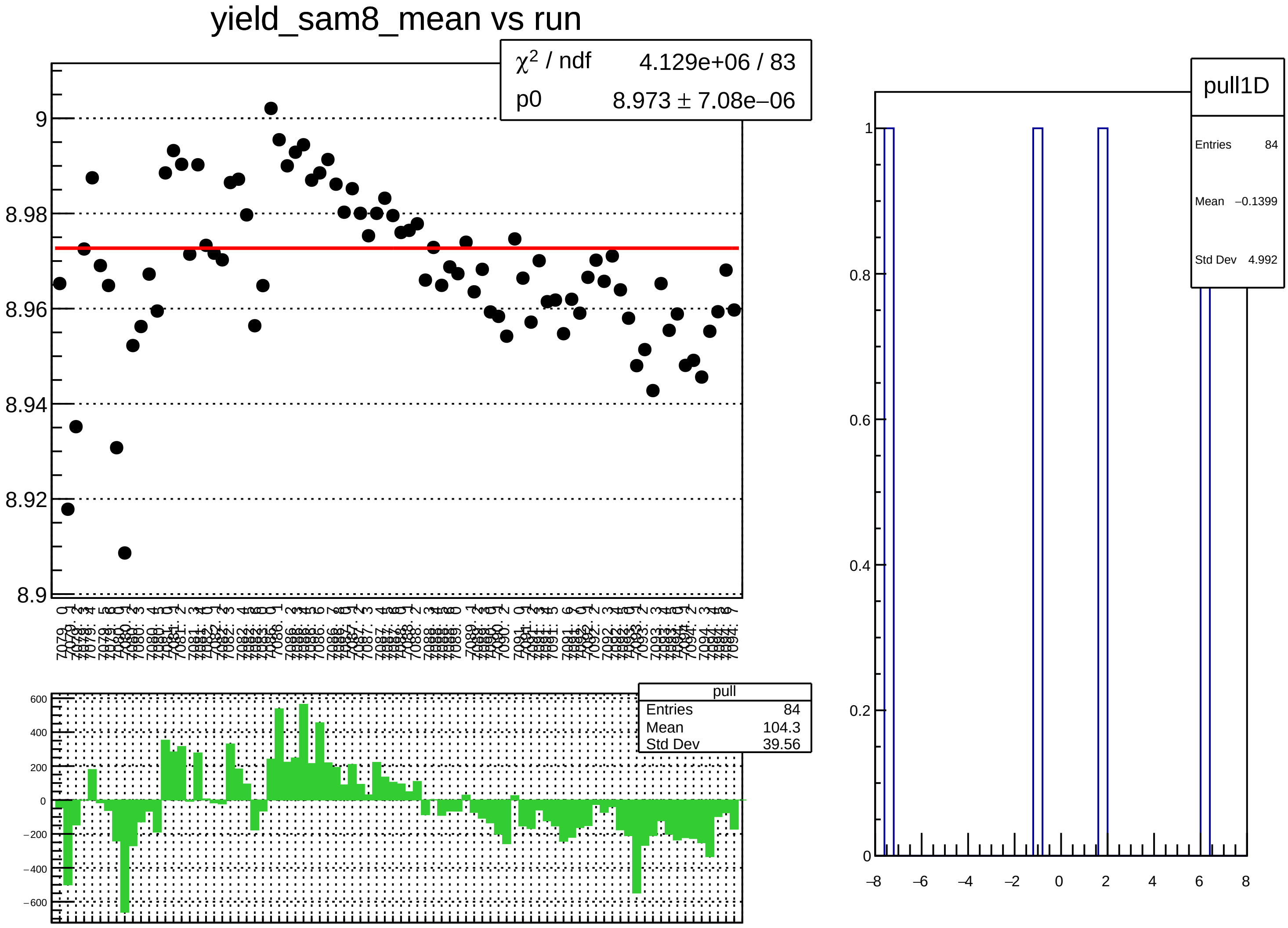


yield_sam6_rms vs run
χ^2 / ndf 1.182e+05 / 83
p0 0.0185 ± 1.512e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

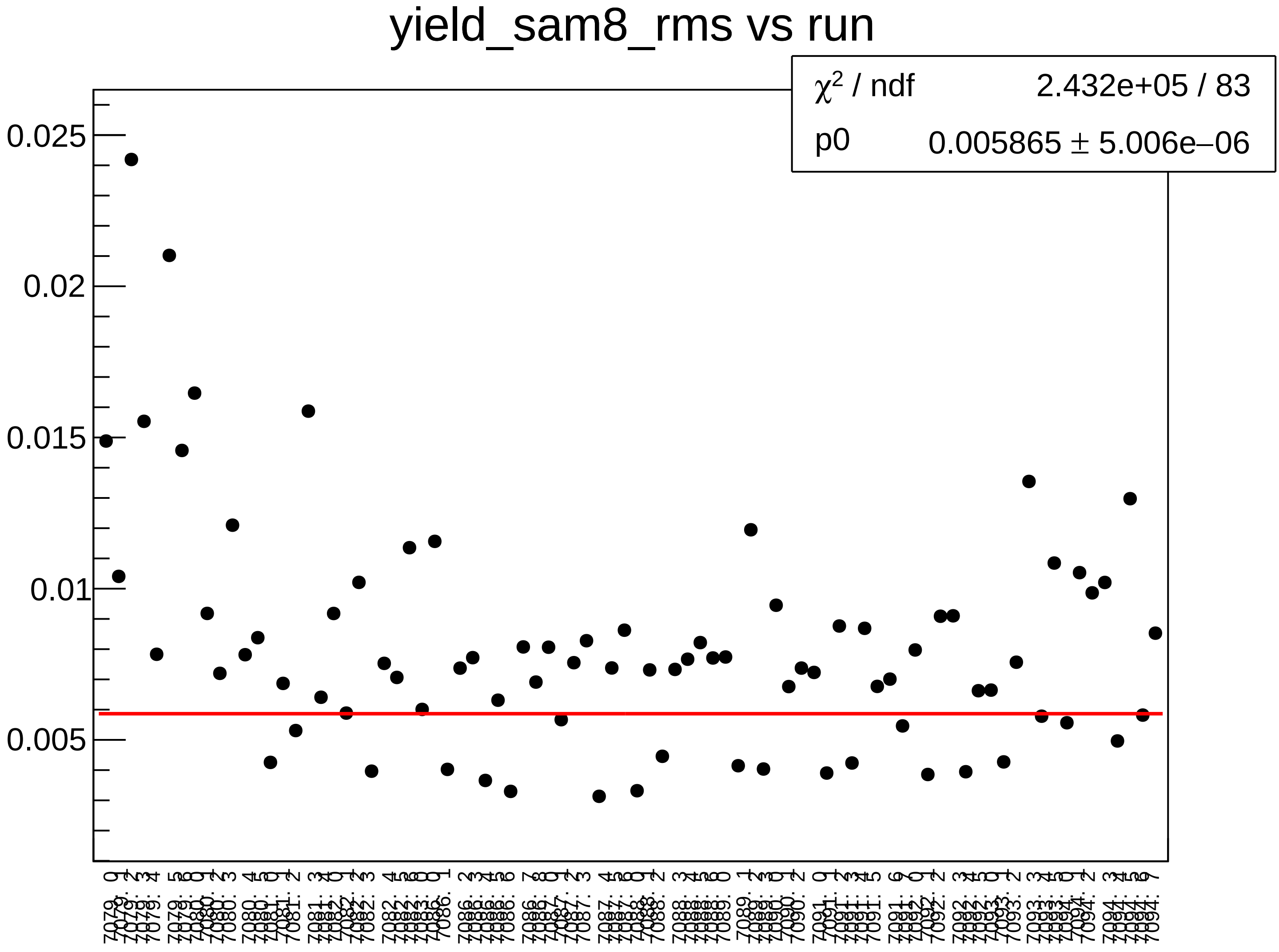


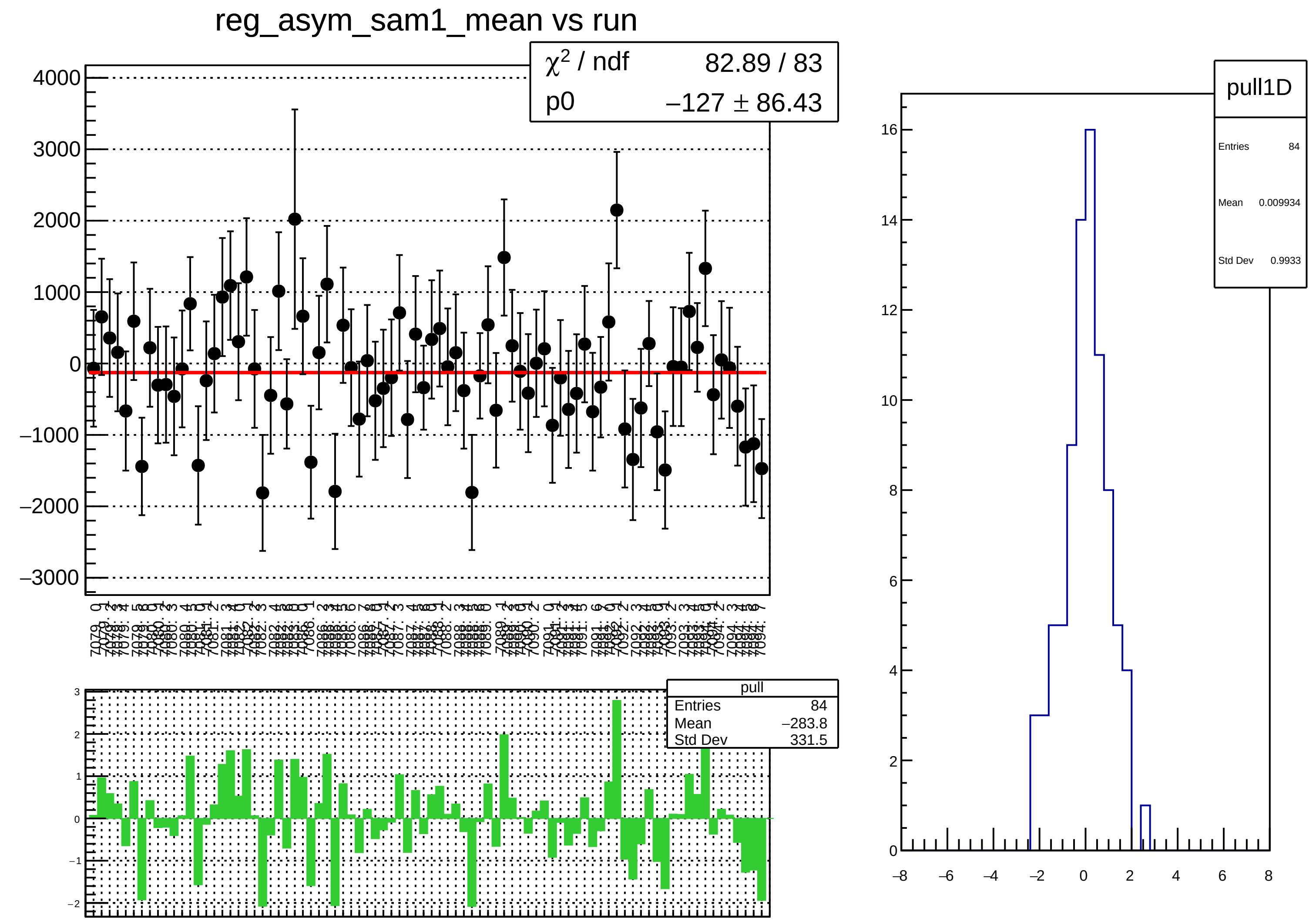
yield_sam7_mean vs run
χ^2 / ndf 2.588e+06 / 83
p0 2.6 ± 2.608e−06
pull
Entries 84
Mean 63.39
Std Dev 45.22
pull1D
Entries 84
Mean 3.348
Std Dev 2.242

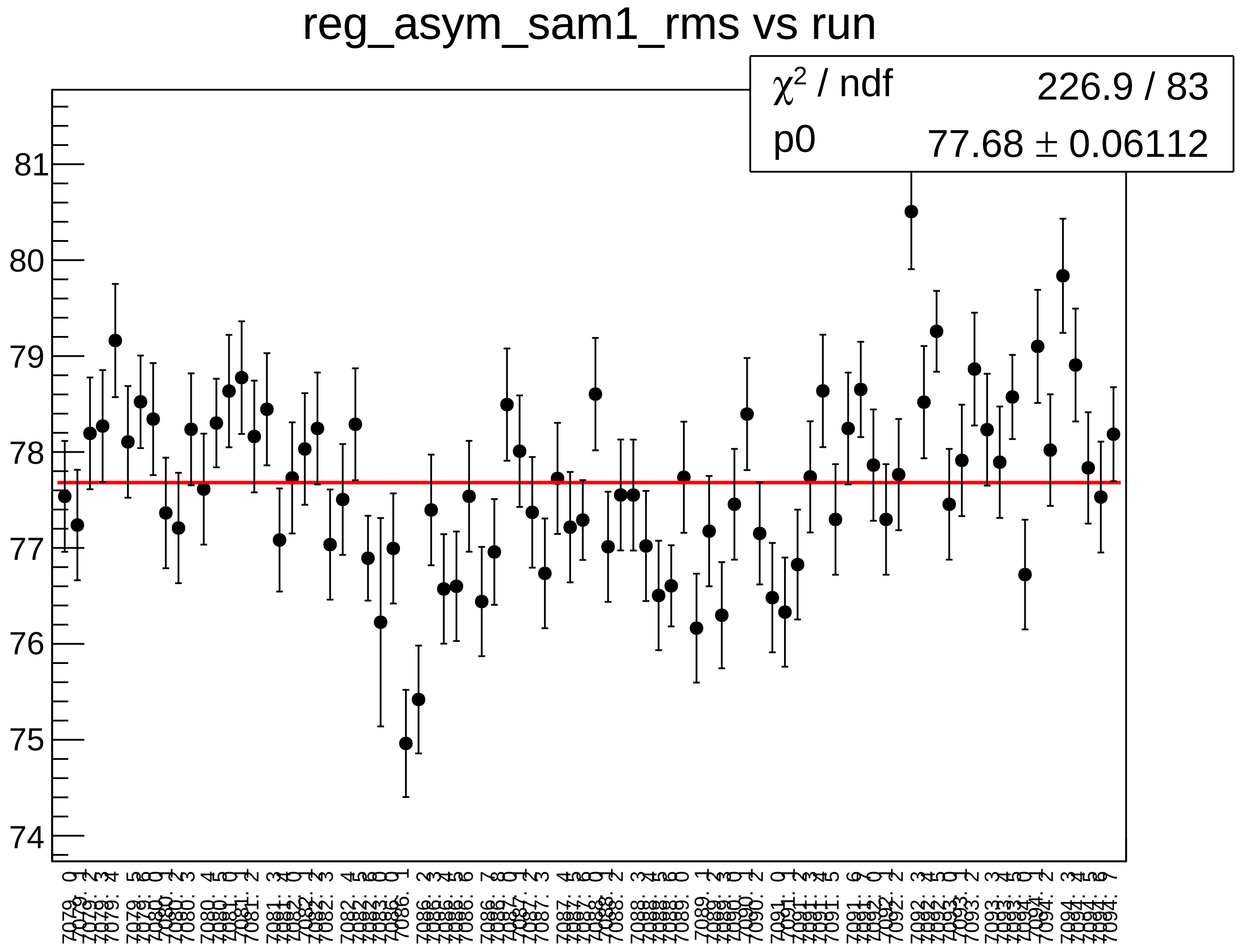

yield_sam7_rms vs run
χ^2 / ndf 2.282e+05 / 83
p0 0.002173 ± 1.844e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001



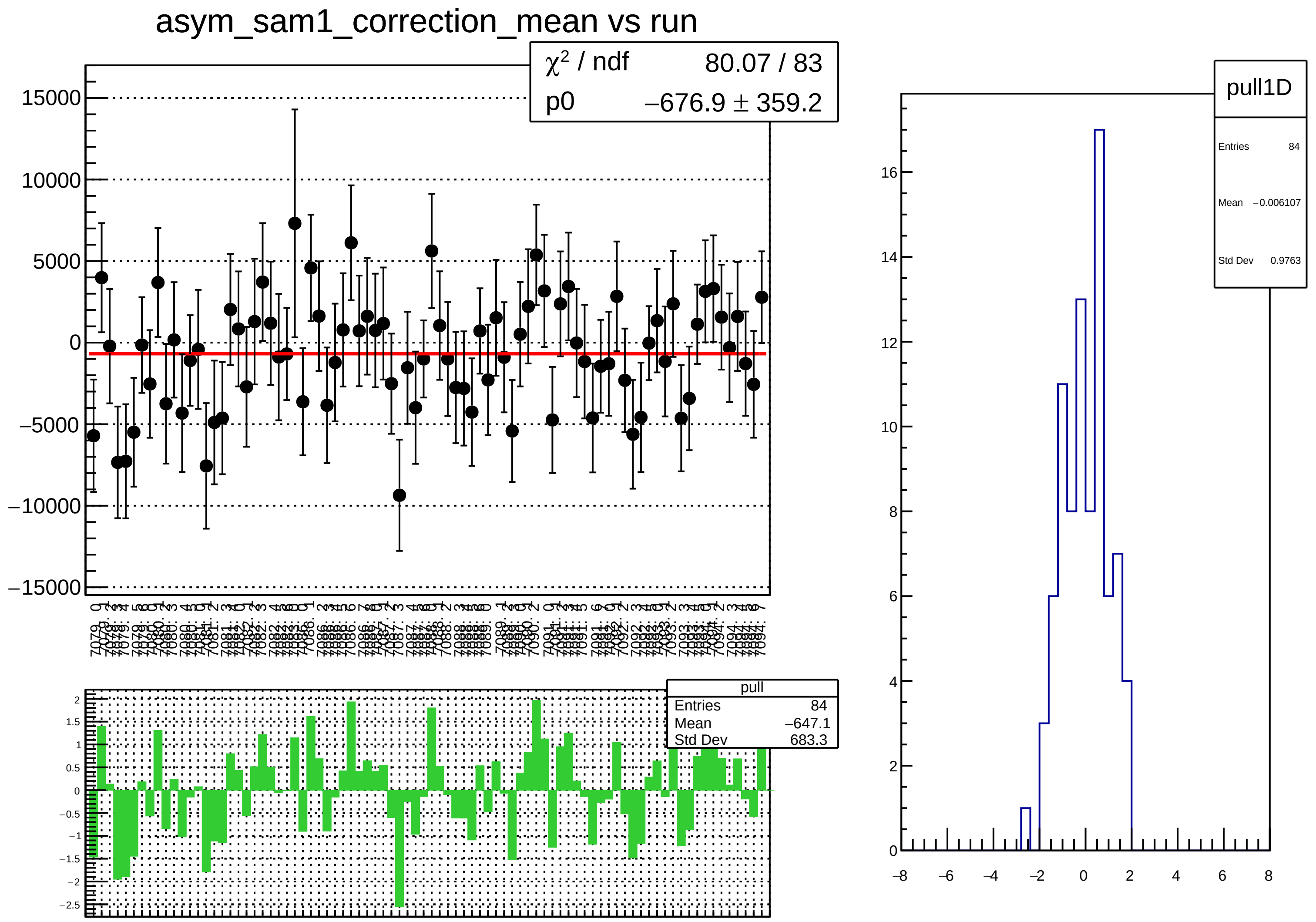
yield_sam8_mean vs run
χ2 / ndf 4.129e+06 / 83
p0 8.973 ± 7.08e−06
pull
Entries 84
Mean 104.3
Std Dev 39.56
pull1D
Entries 84
Mean −0.1399
Std Dev 4.992


yield_sam8_rms vs run
χ2 / ndf 2.432e+05 / 83
p0 0.005865 ± 5.006e−06
0.025
0.02
0.015
0.01
0.005

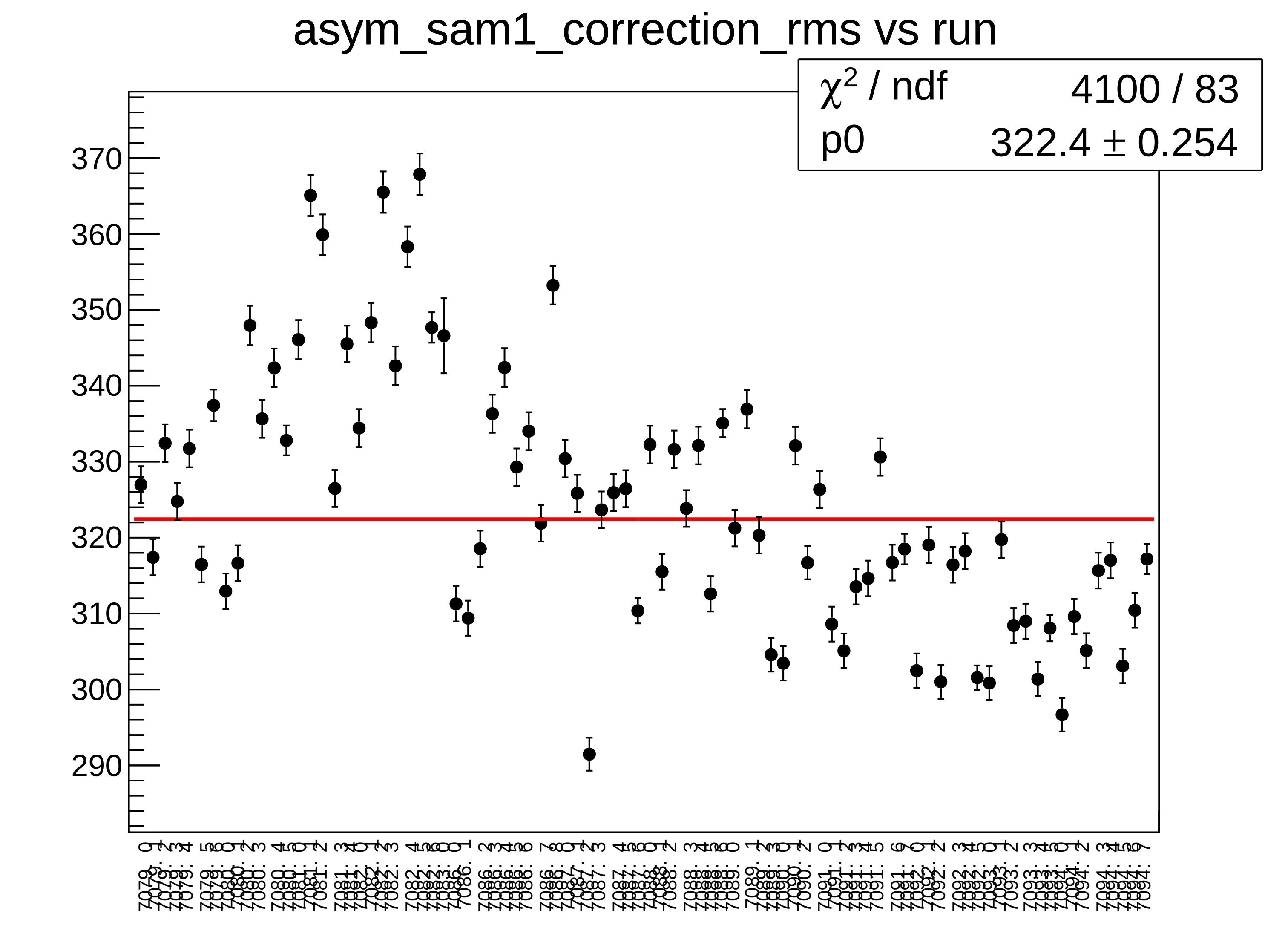

reg_asym_sam1_mean vs run
χ^2 / ndf 82.89 / 83
p0 −127 ± 86.43
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean −283.8
Std Dev 331.5
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.009934
Std Dev 0.9933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

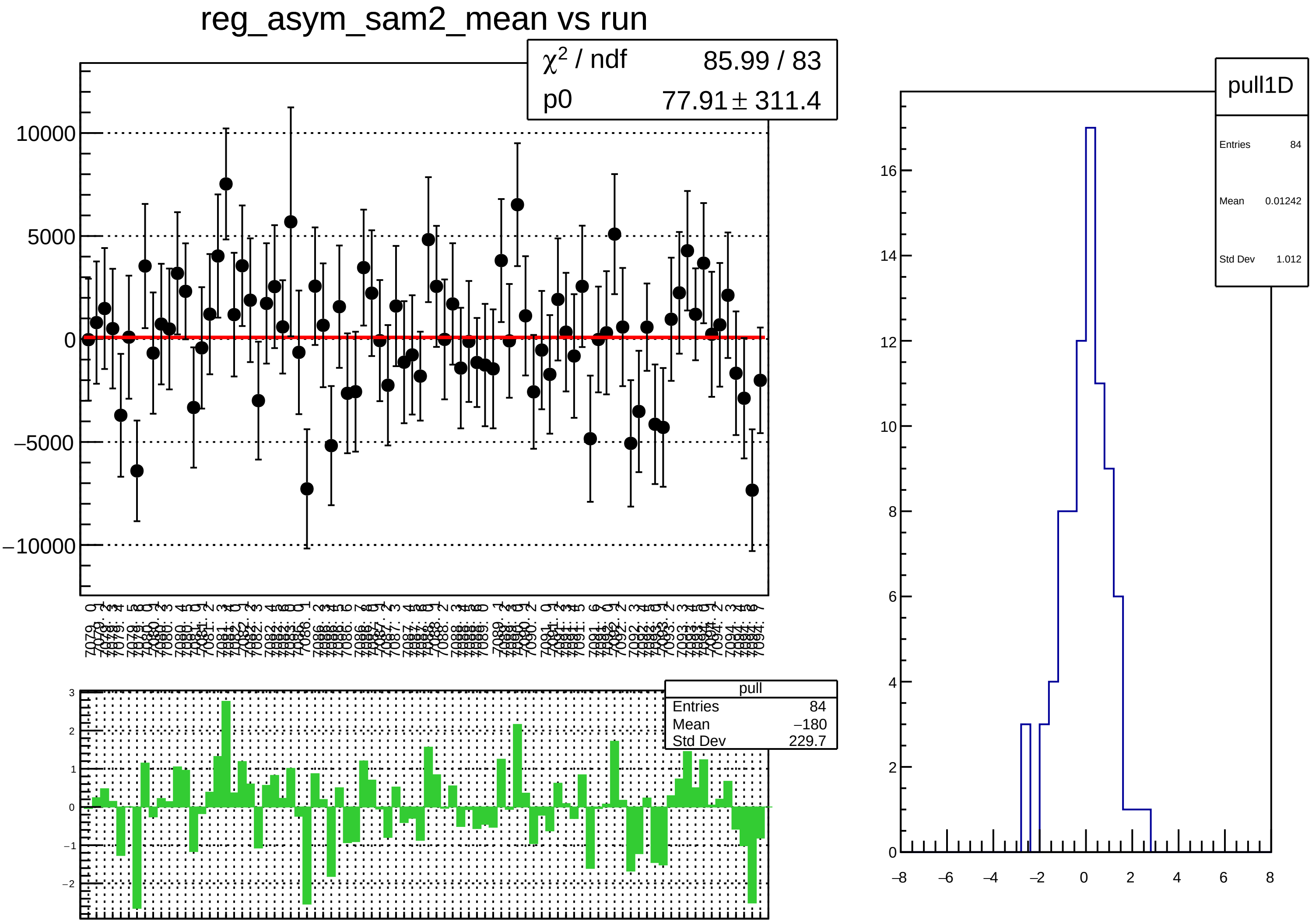


reg_asym_sam1_rms vs run
χ^2 / ndf 226.9 / 83
p0 77.68 ± 0.06112
81
80
79
78
77
76
75
74

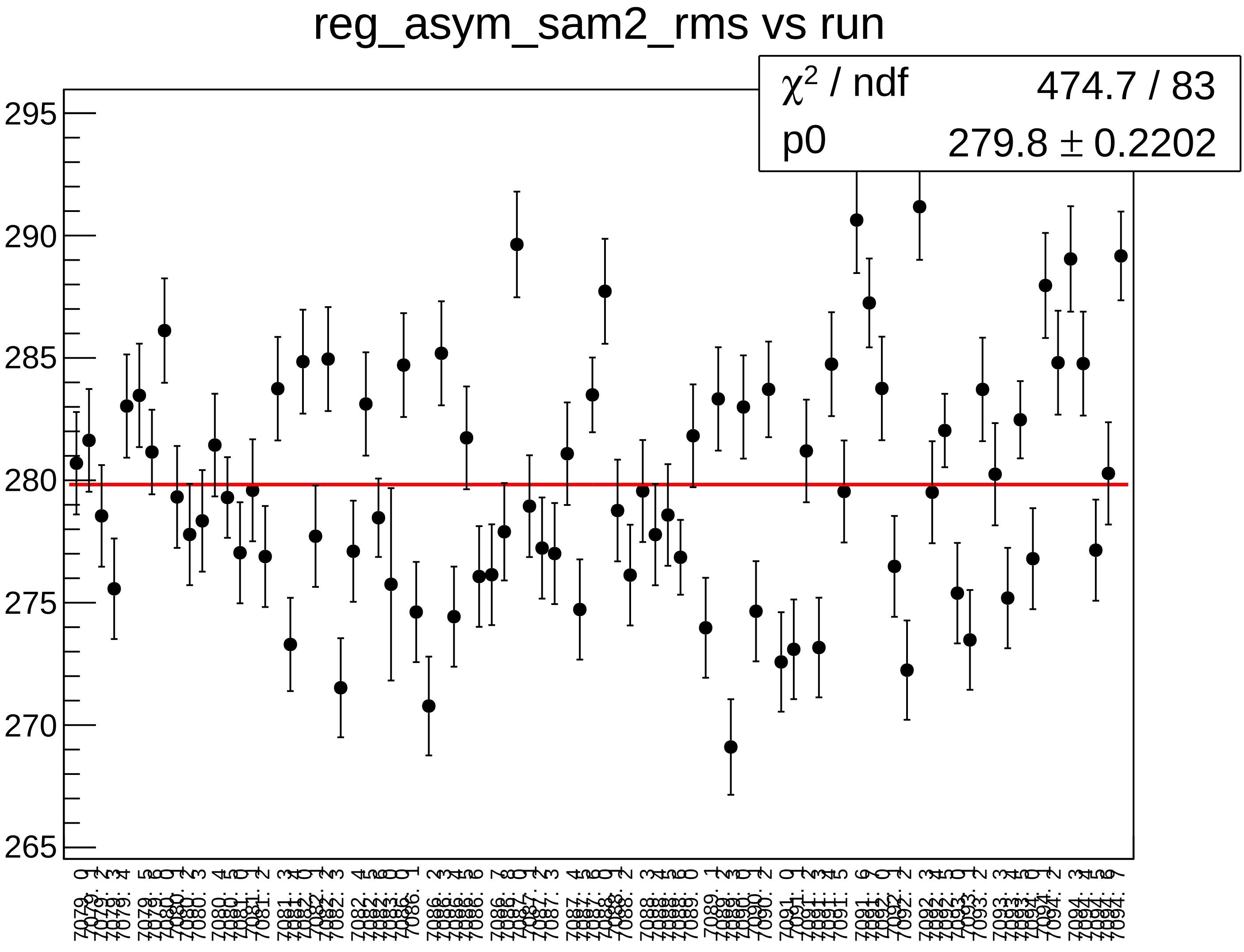


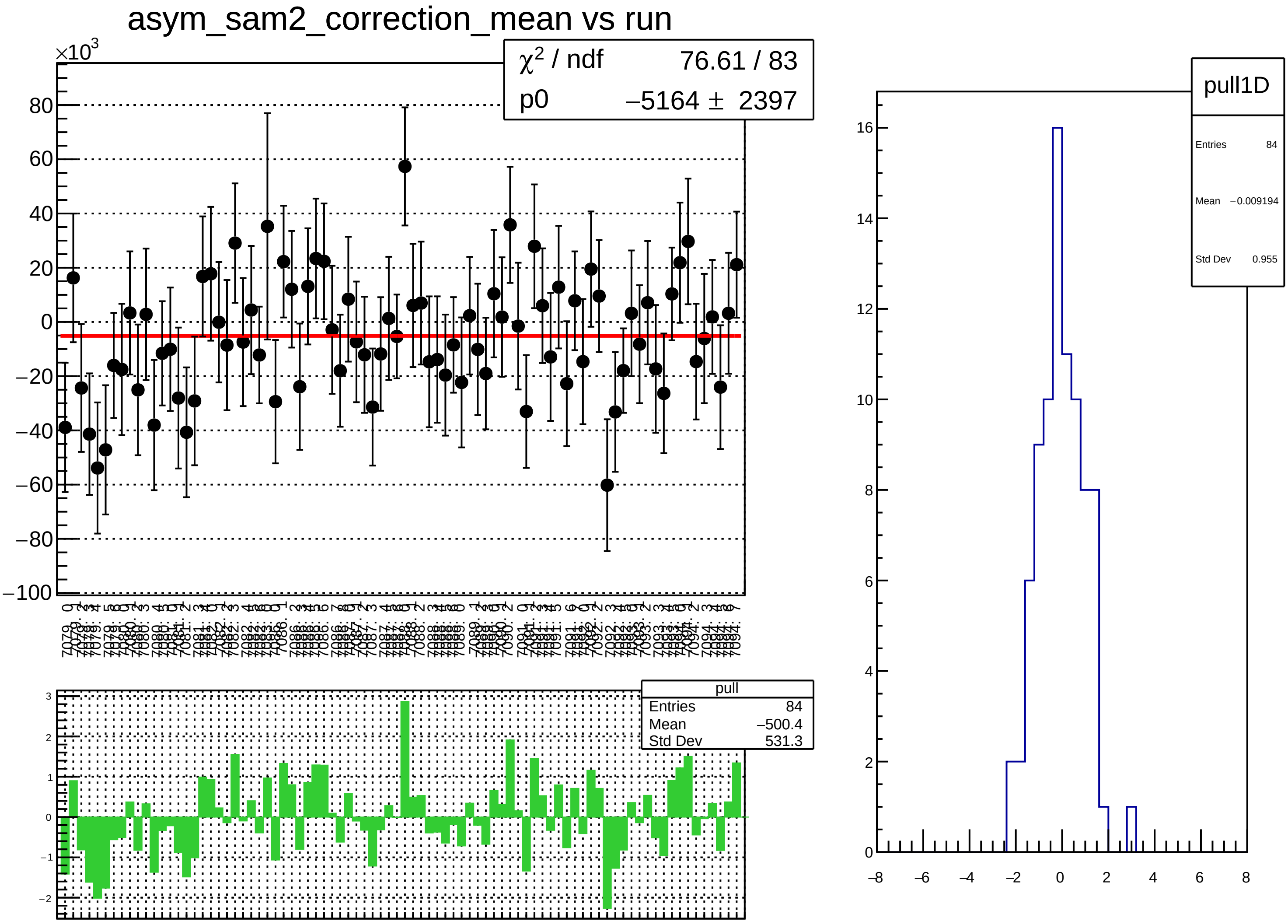
asym_sam1_correction_mean vs run
χ^2 / ndf 80.07 / 83
p0 −676.9 ± 359.2
pull
Entries 84
Mean −647.1
Std Dev 683.3
pull1D
Entries 84
Mean −0.006107
Std Dev 0.9763


asym_sam1_correction_rms vs run
χ^2 / ndf 4100 / 83
p0 322.4 ± 0.254
370
360
350
340
330
320
310
300
290

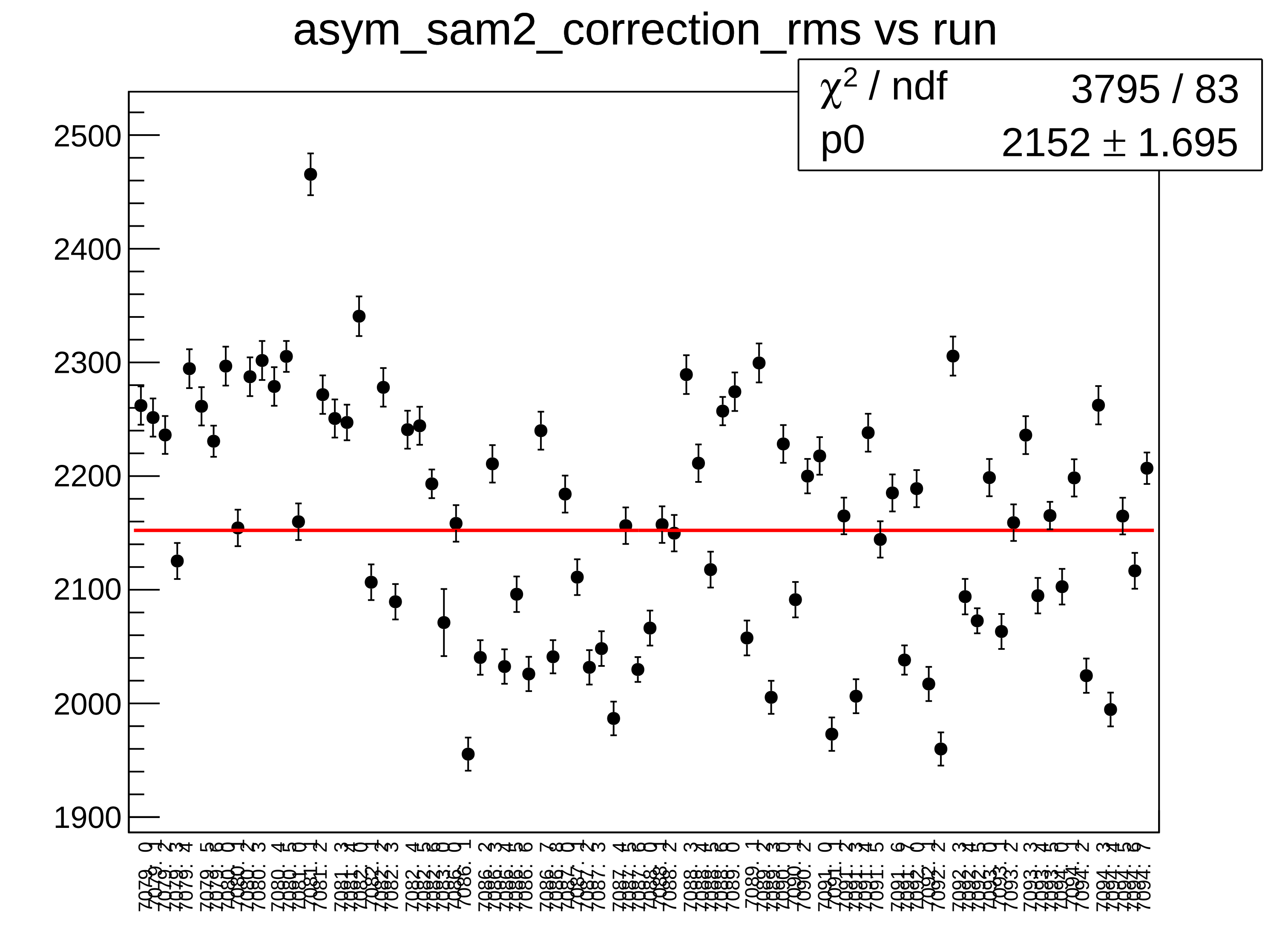


reg_asym_sam2_mean vs run
χ^2 / ndf 85.99 / 83
p0 77.91 ± 311.4
10000
5000
0
–5000
–10000
pull
Entries 84
Mean –180
Std Dev 229.7
pull1D
Entries 84
Mean 0.01242
Std Dev 1.012

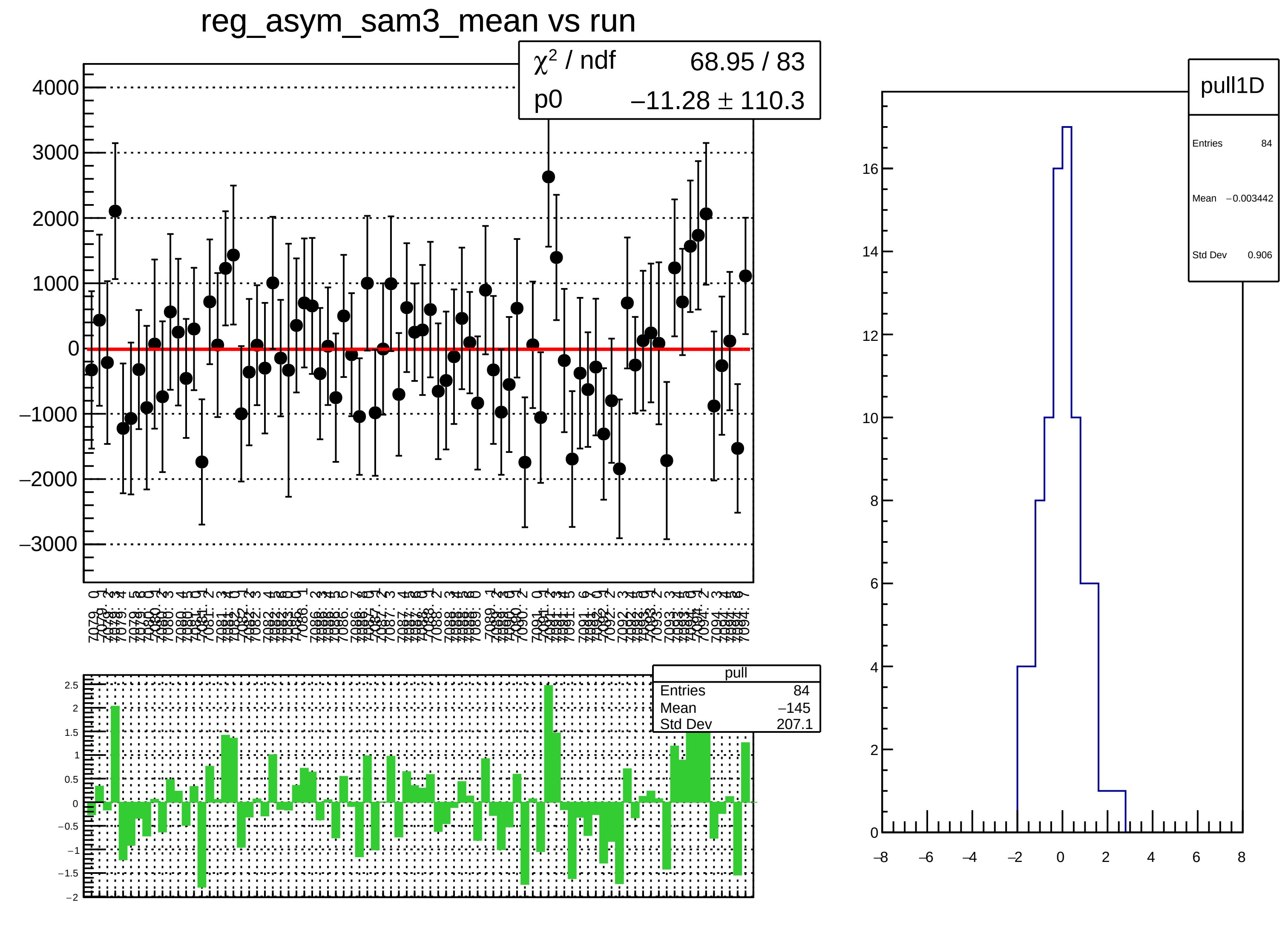

reg_asym_sam2_rms vs run
χ2 / ndf 474.7 / 83
p0 279.8 ± 0.2202
295
290
285
280
275
270
265



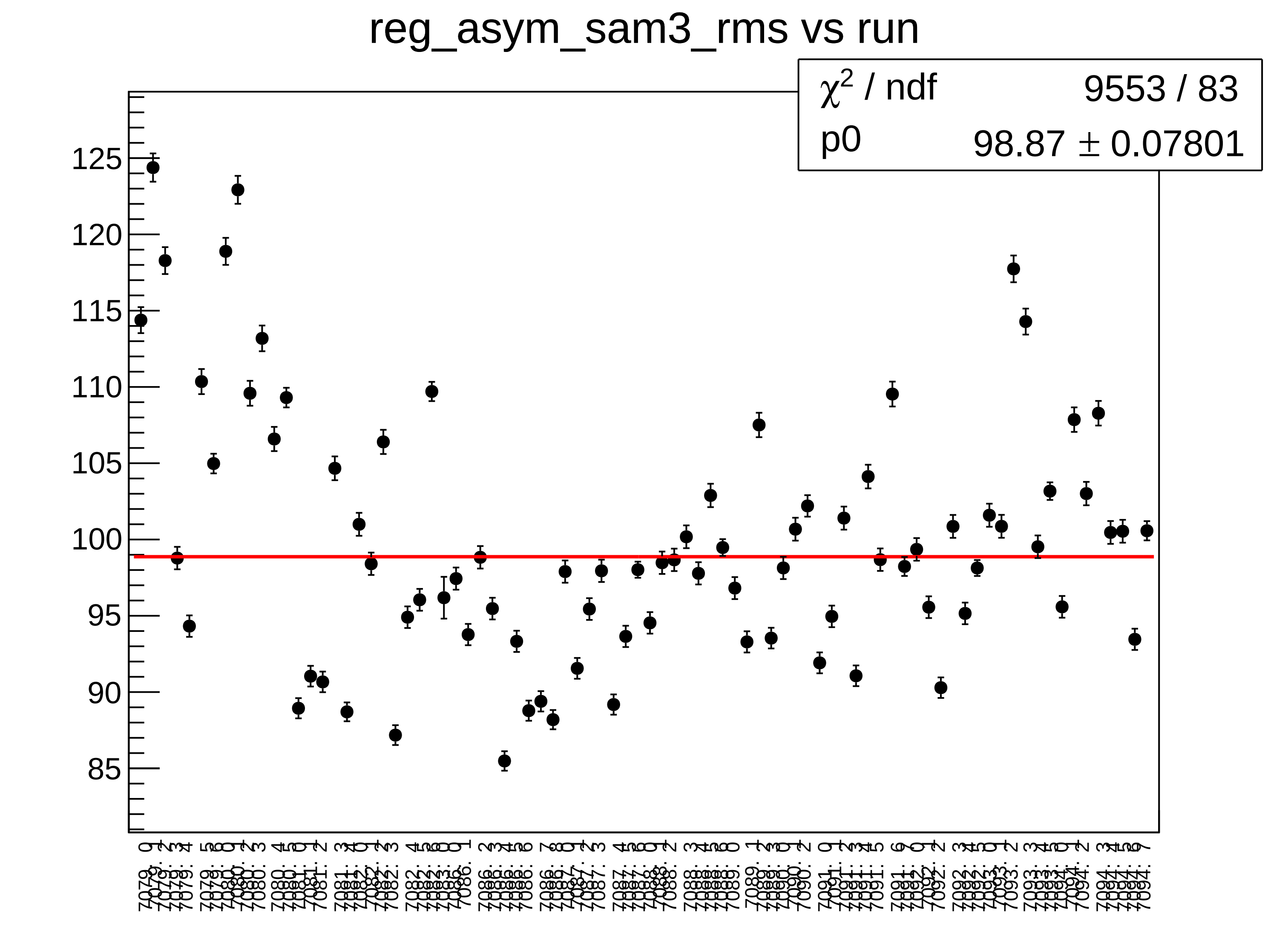
asym_sam2_correction_mean vs run
$\times 10^3$
χ^2 / ndf 76.61 / 83
p0 −5164 ± 2397
pull
Entries 84
Mean −500.4
Std Dev 531.3
pull1D
Entries 84
Mean −0.009194
Std Dev 0.955

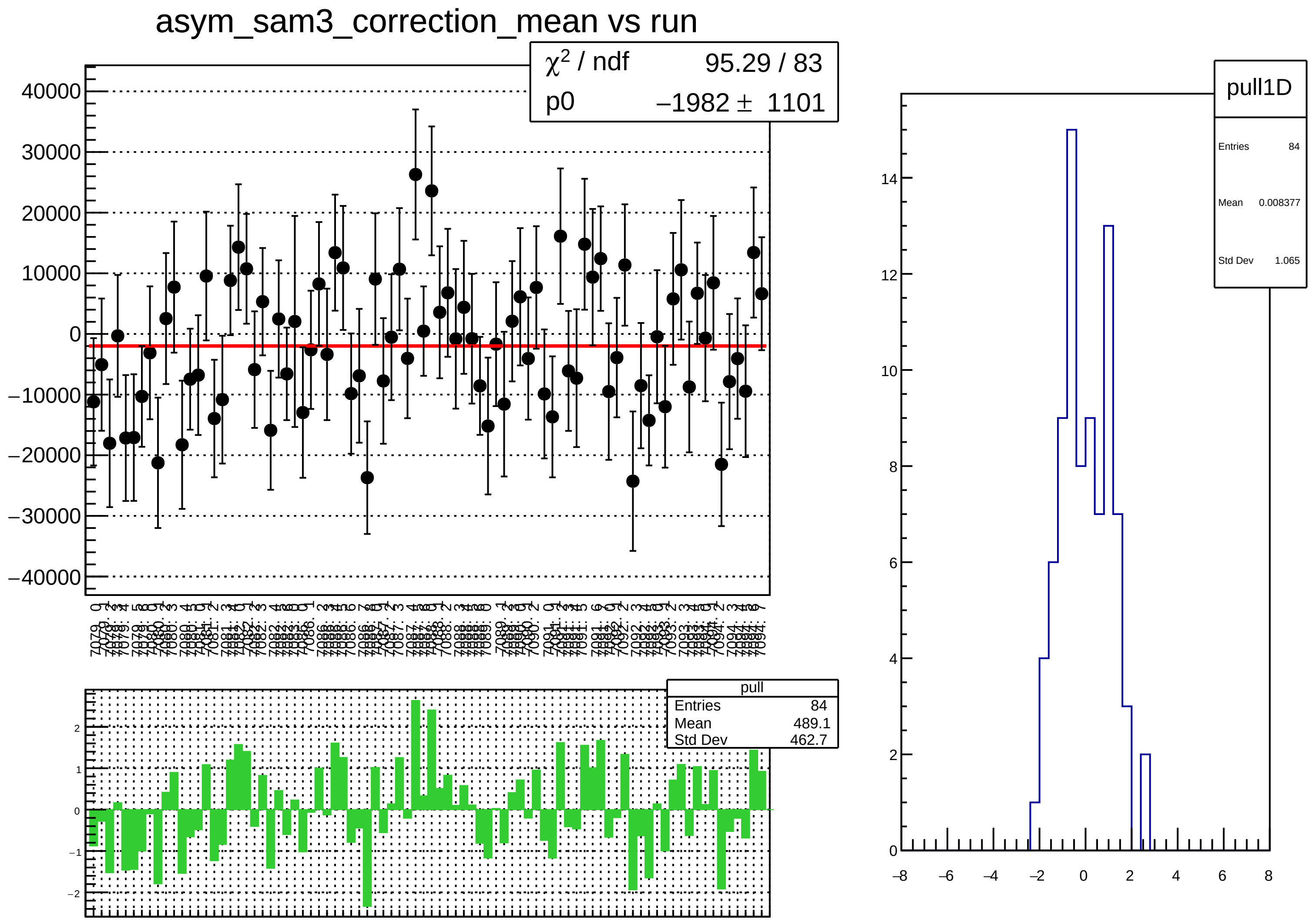


asym_sam2_correction_rms vs run
χ^2 / ndf 3795 / 83
p0 2152 ± 1.695
2500
2400
2300
2200
2100
2000
1900

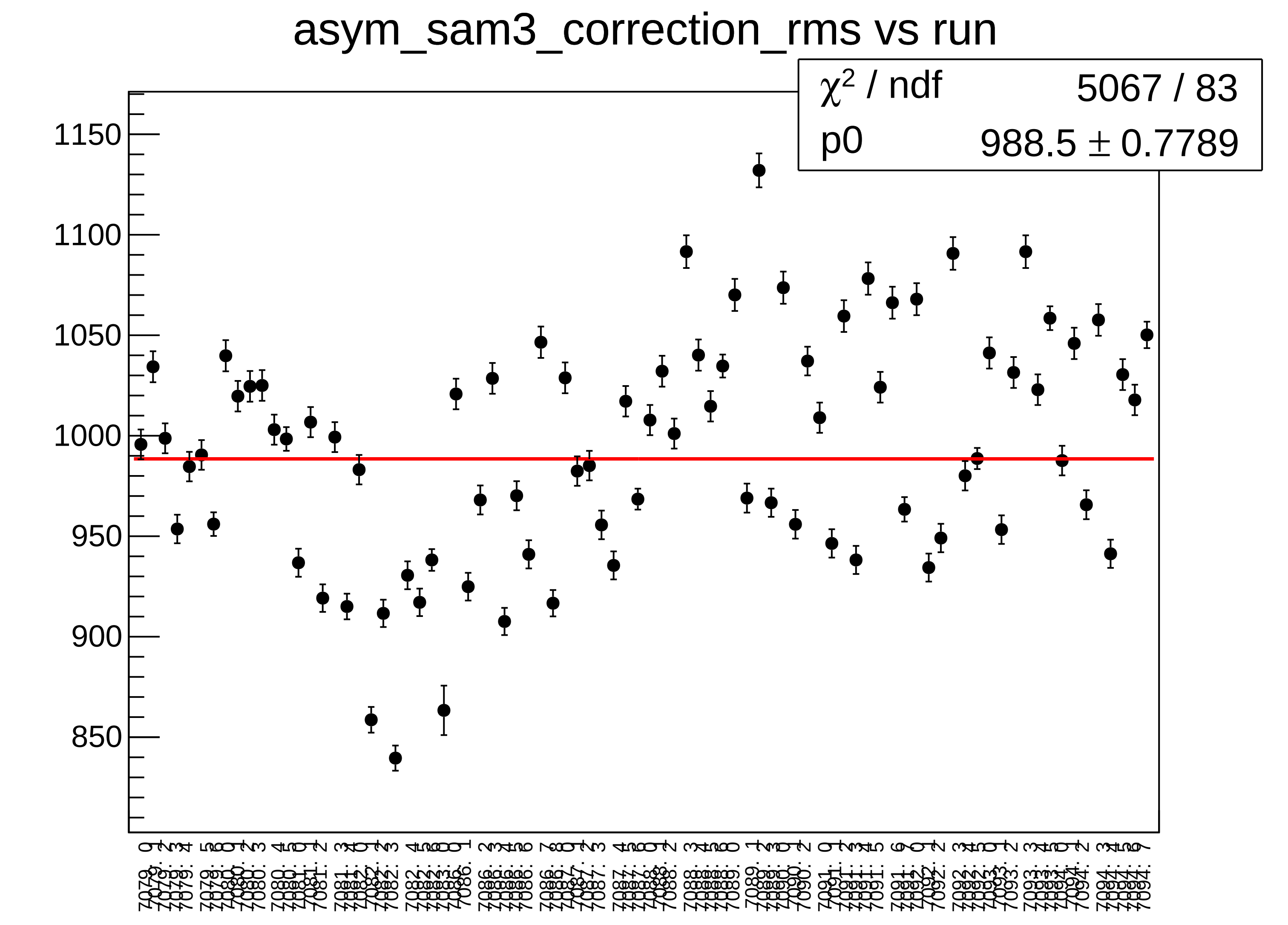


reg_asym_sam3_mean vs run
χ^2 / ndf 68.95 / 83
p0 −11.28 ± 110.3
pull
Entries 84
Mean −145
Std Dev 207.1
pull1D
Entries 84
Mean −0.003442
Std Dev 0.906

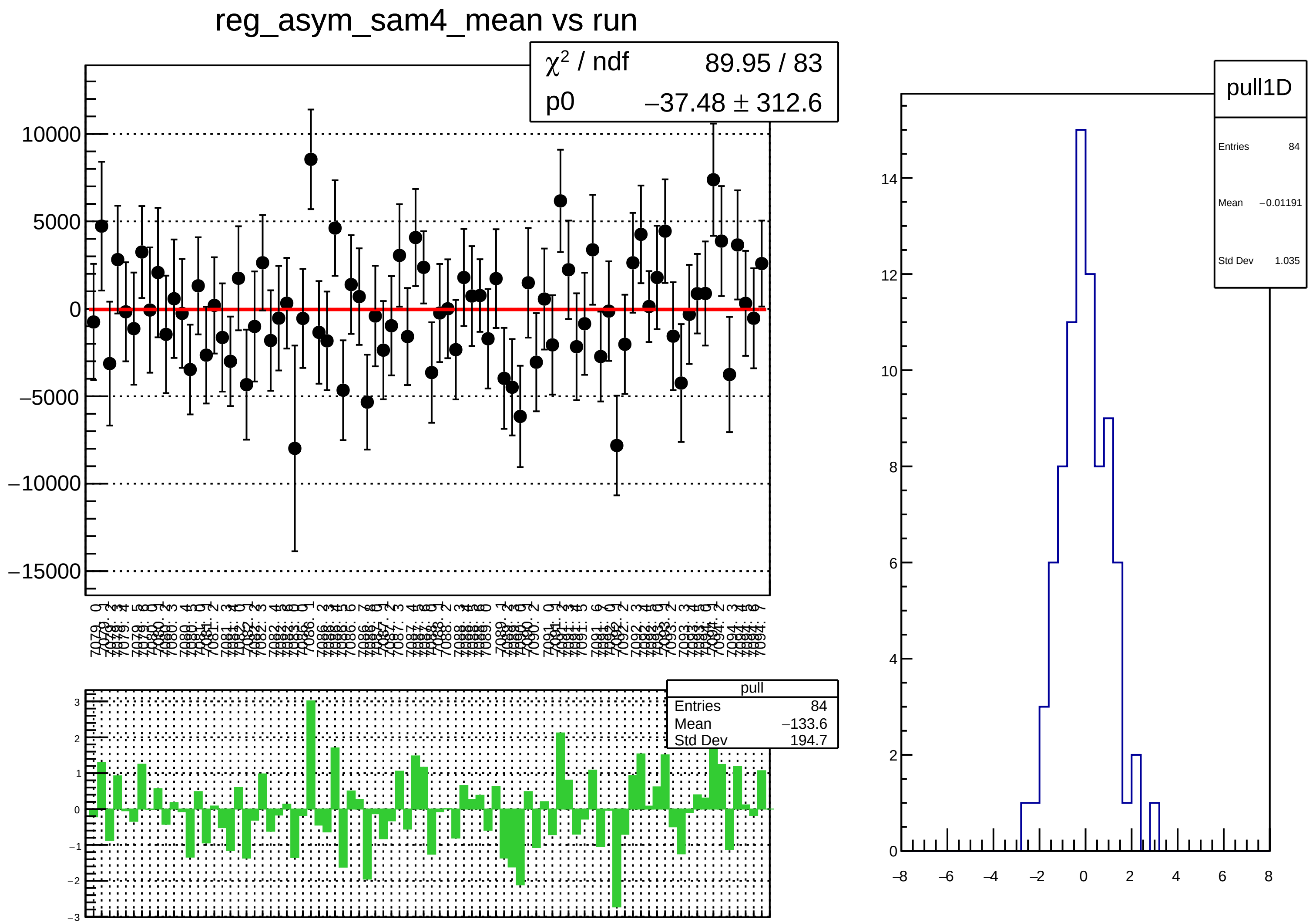

reg_asym_sam3_rms vs run
χ2 / ndf 9553 / 83
p0 98.87 ± 0.07801
125
120
115
110
105
100
95
90
85



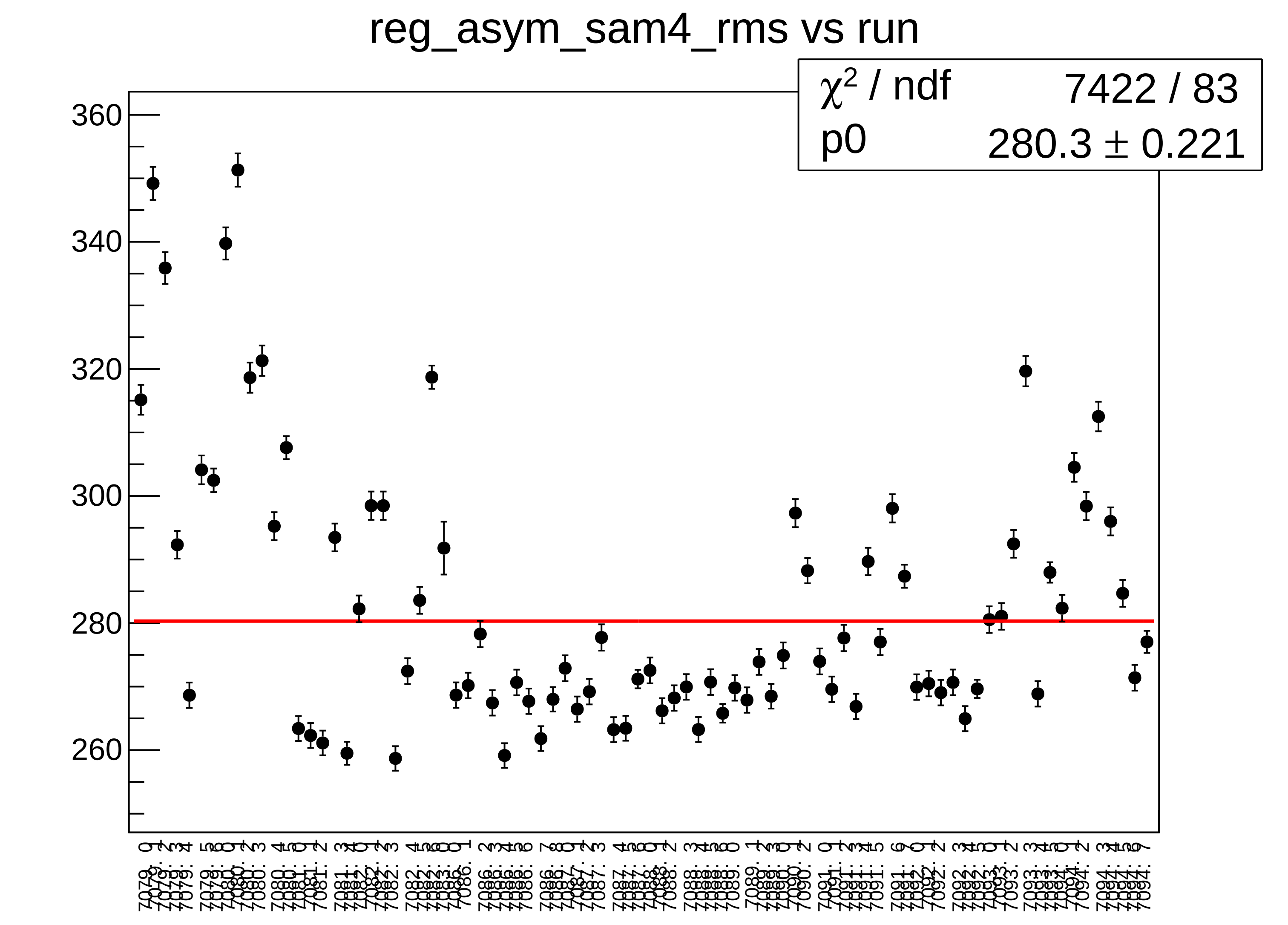
asym_sam3_correction_mean vs run
χ^2 / ndf 95.29 / 83
p0 −1982 ± 1101
pull
Entries 84
Mean 489.1
Std Dev 462.7
pull1D
Entries 84
Mean 0.008377
Std Dev 1.065

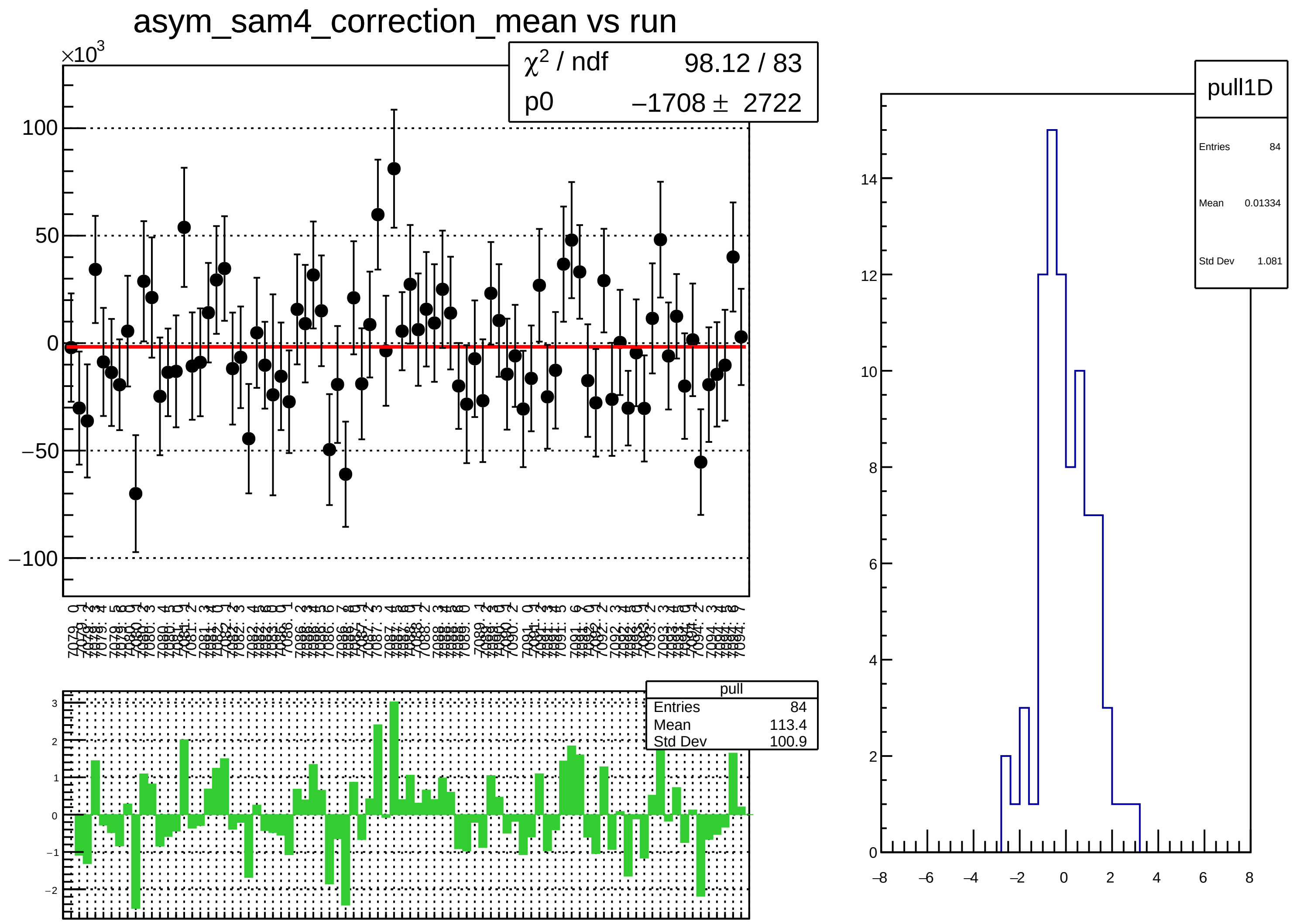


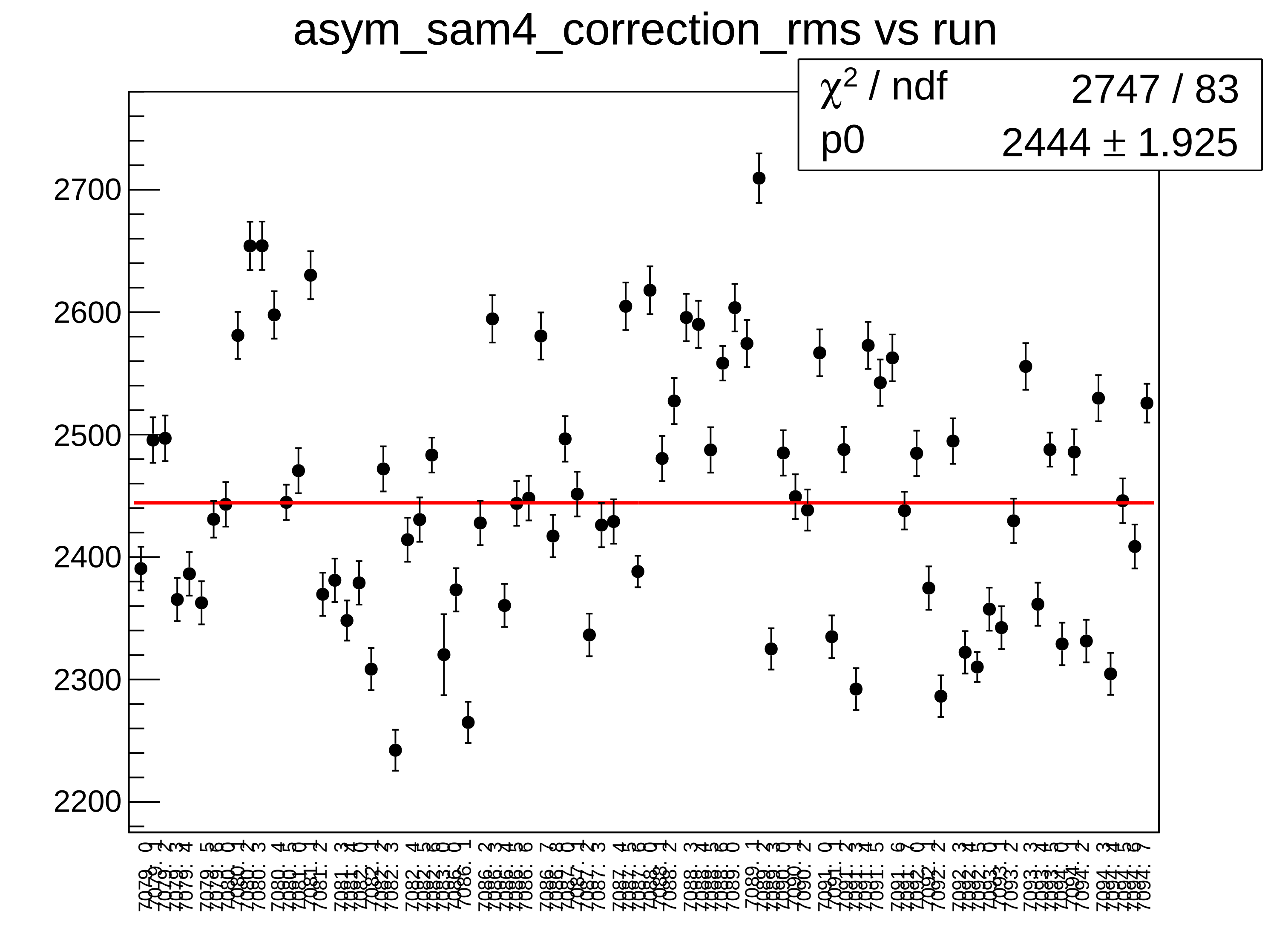
asym_sam3_correction_rms vs run
χ^2 / ndf 5067 / 83
p0 988.5 ± 0.7789
1150
1100
1050
1000
950
900
850

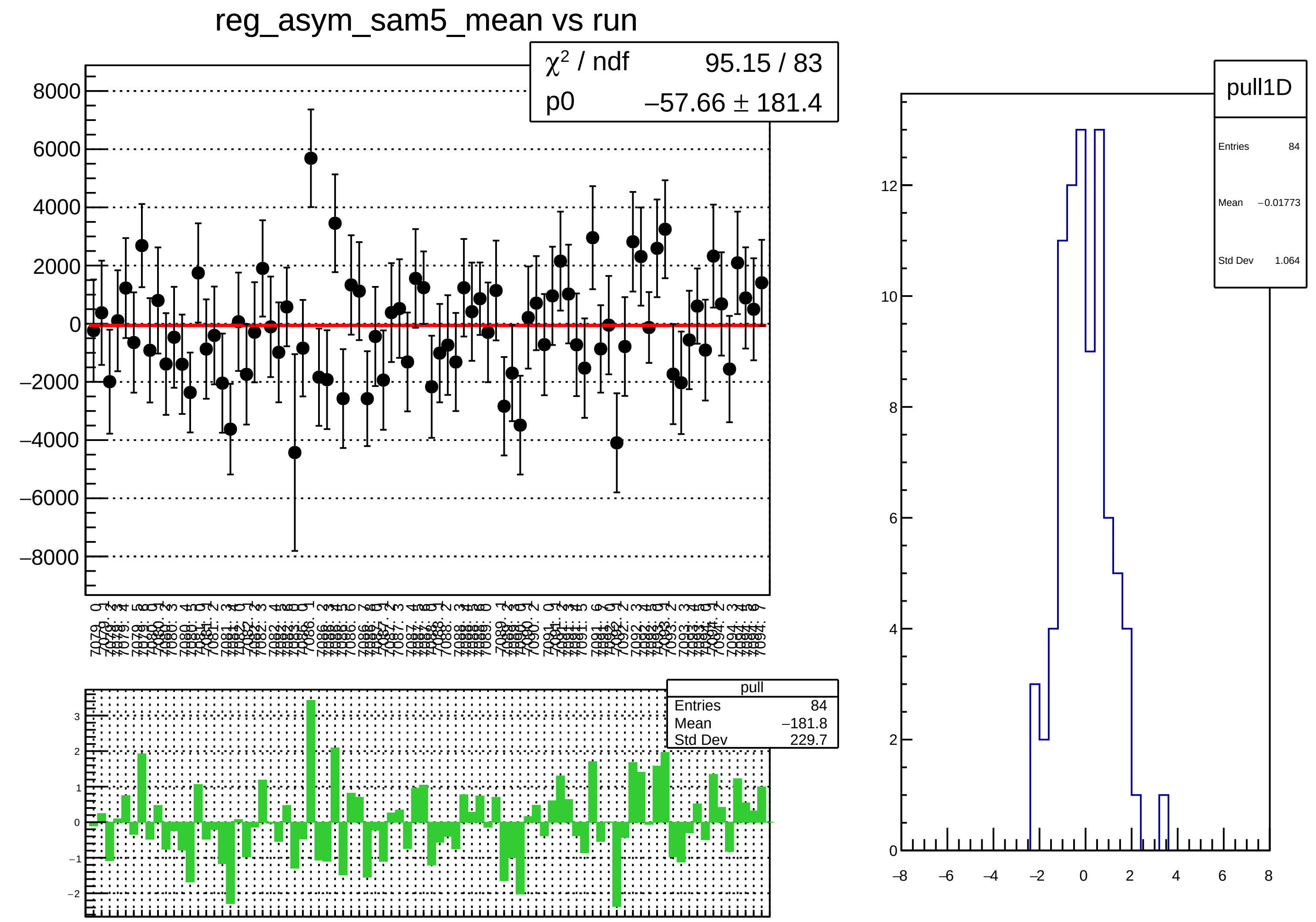


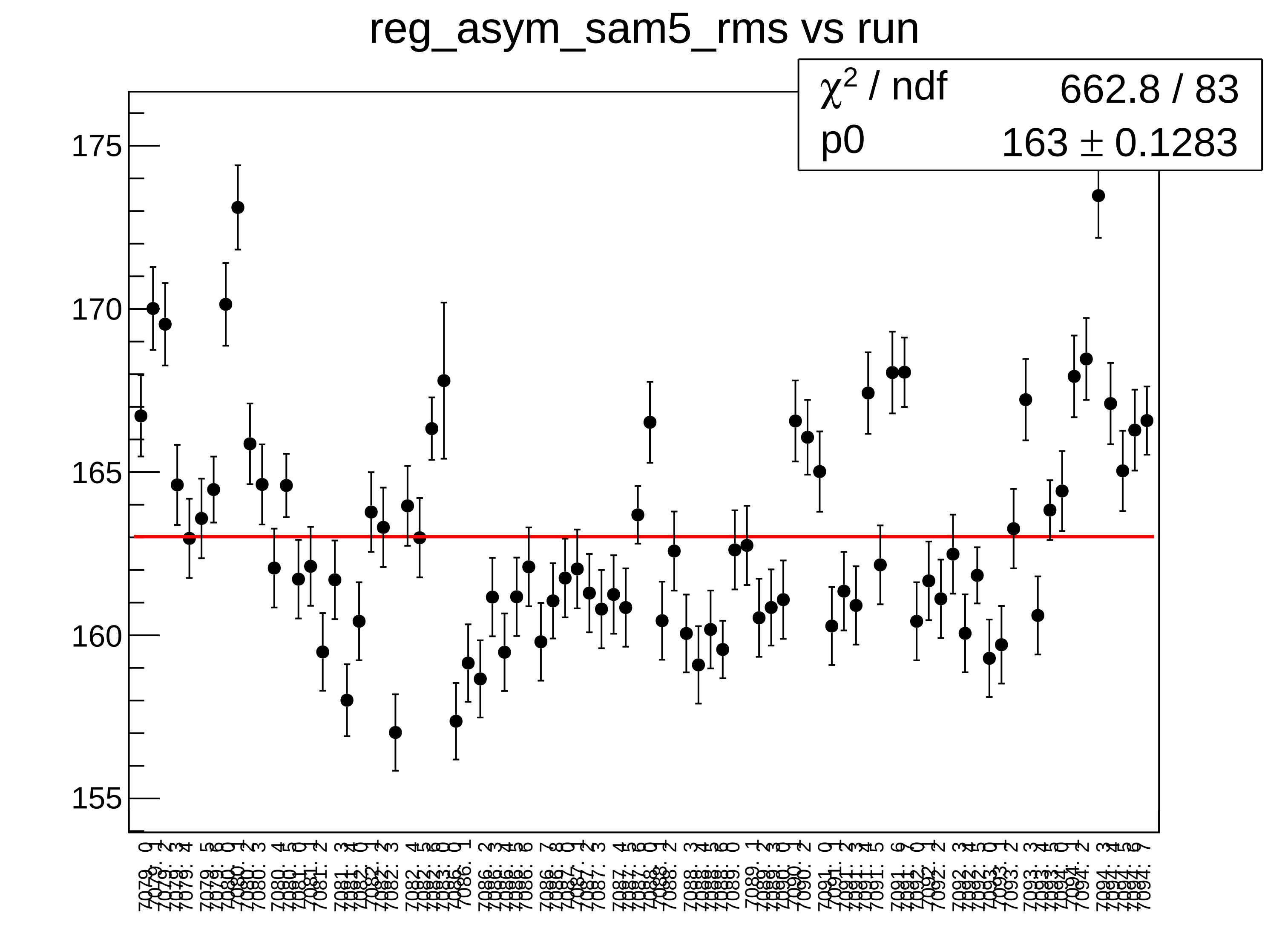
reg_asym_sam4_mean vs run
χ2 / ndf 89.95 / 83
p0 −37.48 ± 312.6
pull
Entries 84
Mean −133.6
Std Dev 194.7
pull1D
Entries 84
Mean −0.01191
Std Dev 1.035


reg_asym_sam4_rms vs run
χ2 / ndf 7422 / 83
p0 280.3 ± 0.221
360
340
320
300
280
260

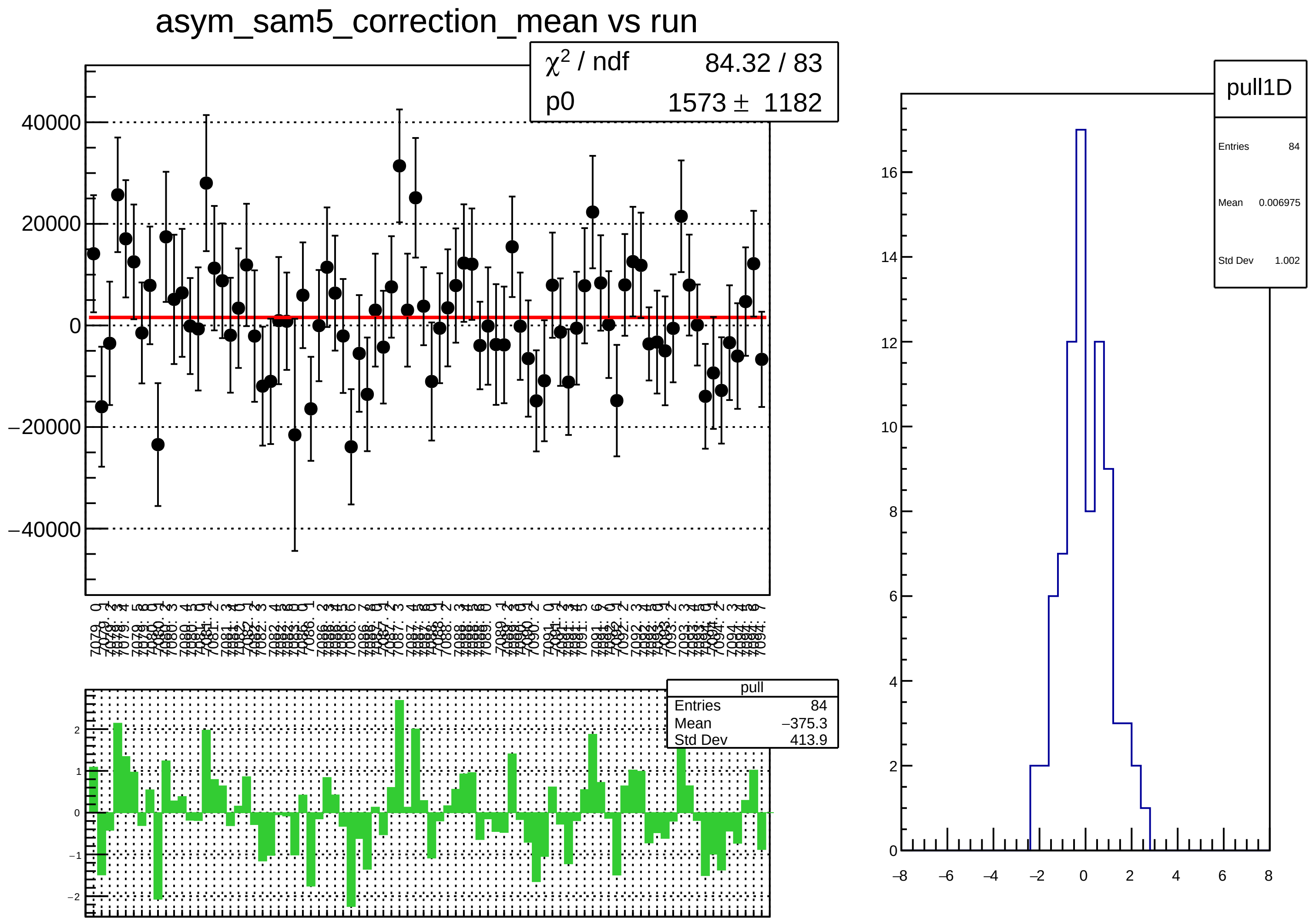

asym_sam4_correction_mean vs run
χ2 / ndf 98.12 / 83
p0 −1708 ± 2722
pull
Entries 84
Mean 113.4
Std Dev 100.9
pull1D
Entries 84
Mean 0.01334
Std Dev 1.081

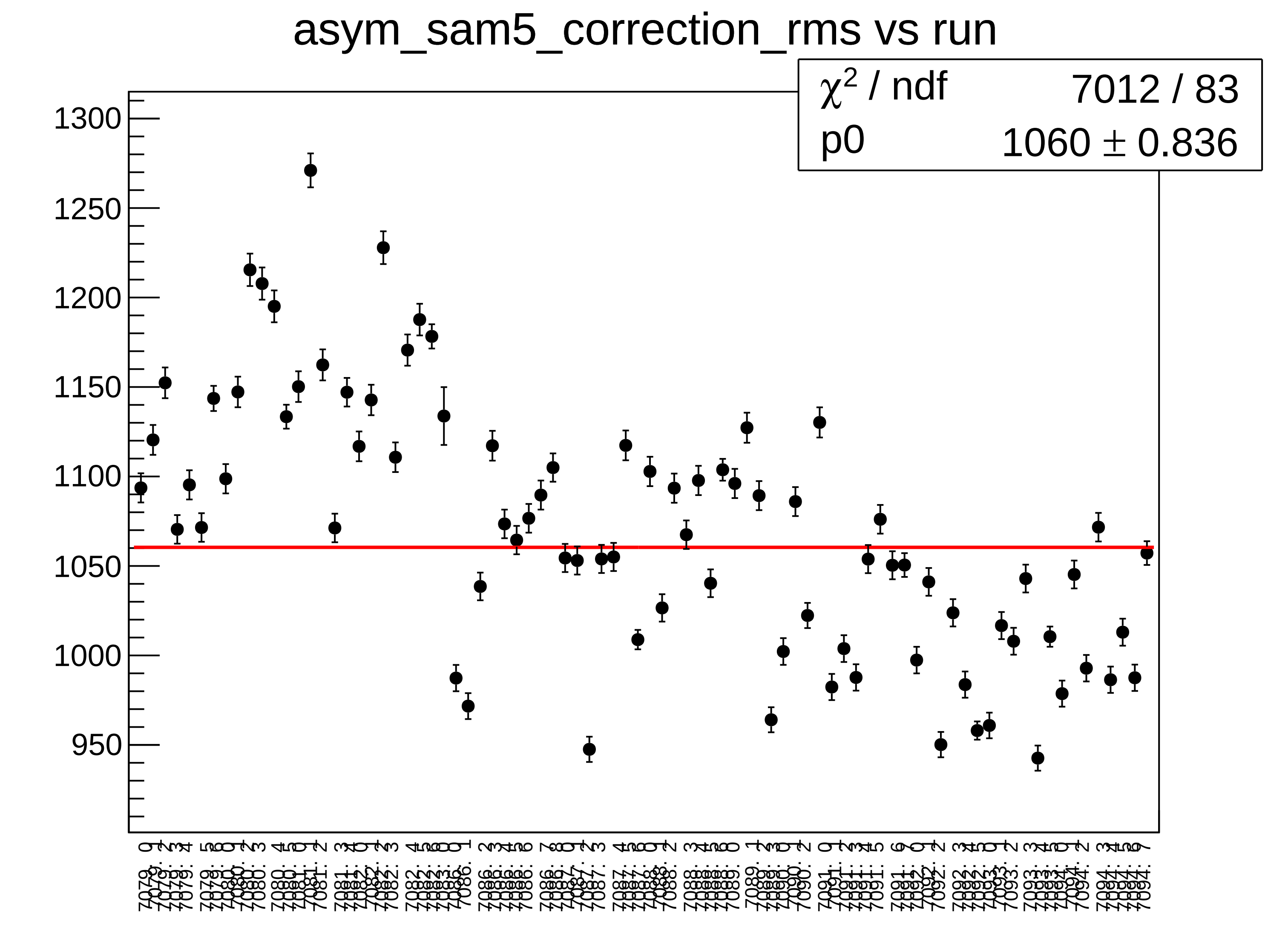

asym_sam4_correction_rms vs run
χ^2 / ndf 2747 / 83
p0 2444 ± 1.925
2700
2600
2500
2400
2300
2200


reg_asym_sam5_mean vs run
χ2 / ndf 95.15 / 83
p0 −57.66 ± 181.4
pull
Entries 84
Mean −181.8
Std Dev 229.7
pull1D
Entries 84
Mean −0.01773
Std Dev 1.064

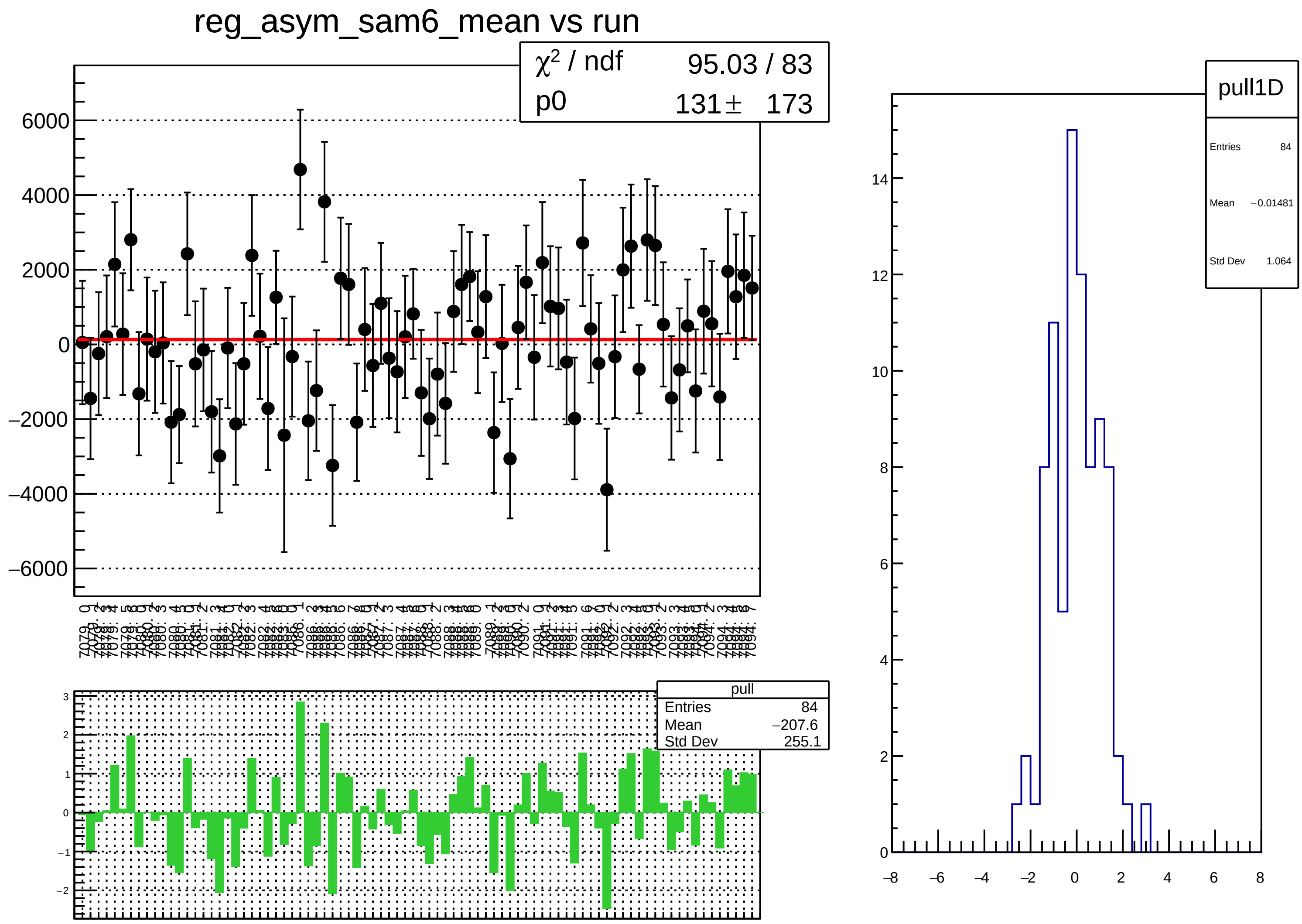


reg_asym_sam5_rms vs run
χ^2 / ndf 662.8 / 83
p0 163 ± 0.1283
175
170
165
160
155

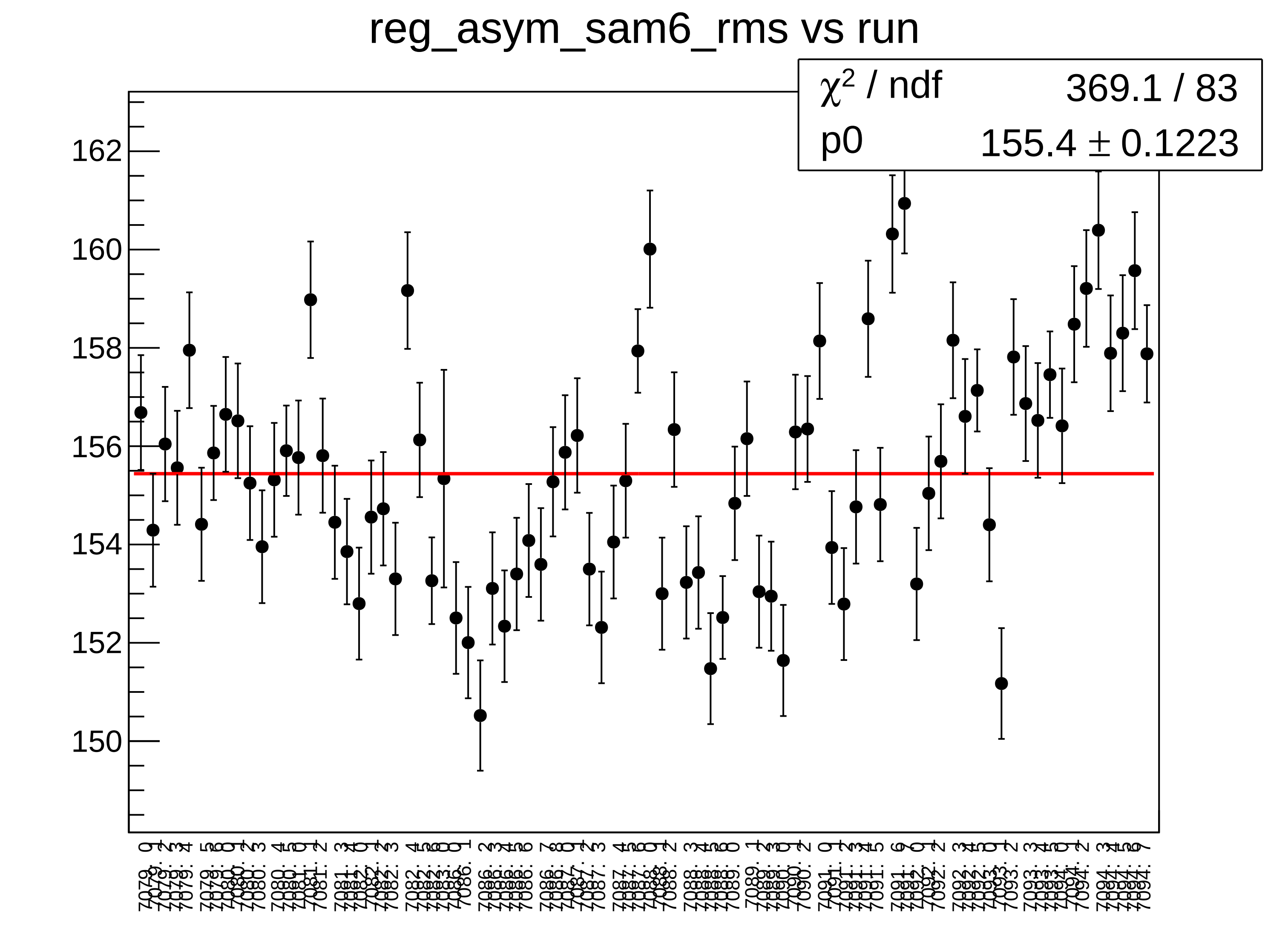

asym_sam5_correction_mean vs run
χ^2 / ndf 84.32 / 83
p0 1573 ± 1182
pull
Entries 84
Mean −375.3
Std Dev 413.9
pull1D
Entries 84
Mean 0.006975
Std Dev 1.002

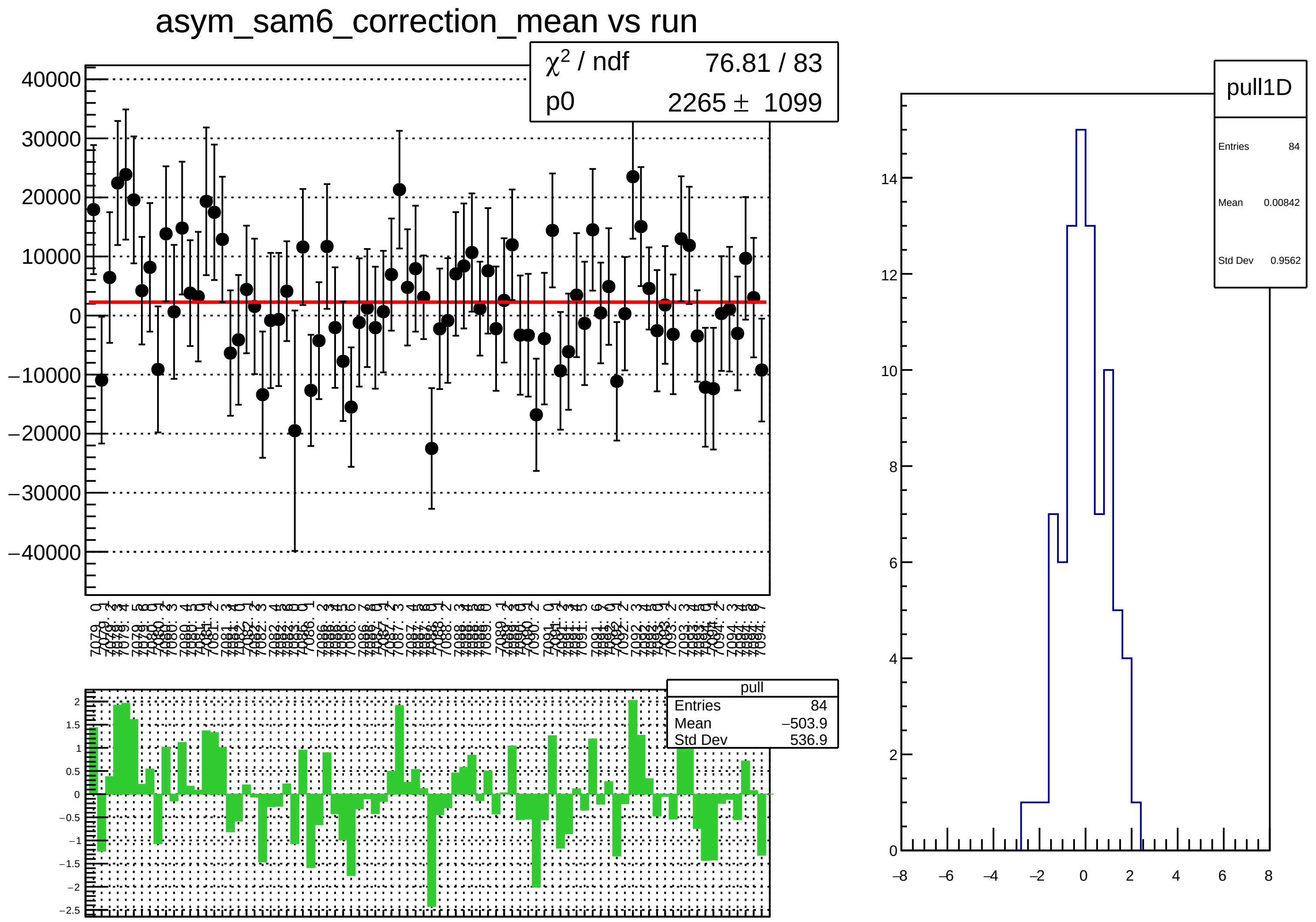


asym_sam5_correction_rms vs run
χ^2 / ndf 7012 / 83
p0 1060 ± 0.836
1300
1250
1200
1150
1100
1050
1000
950

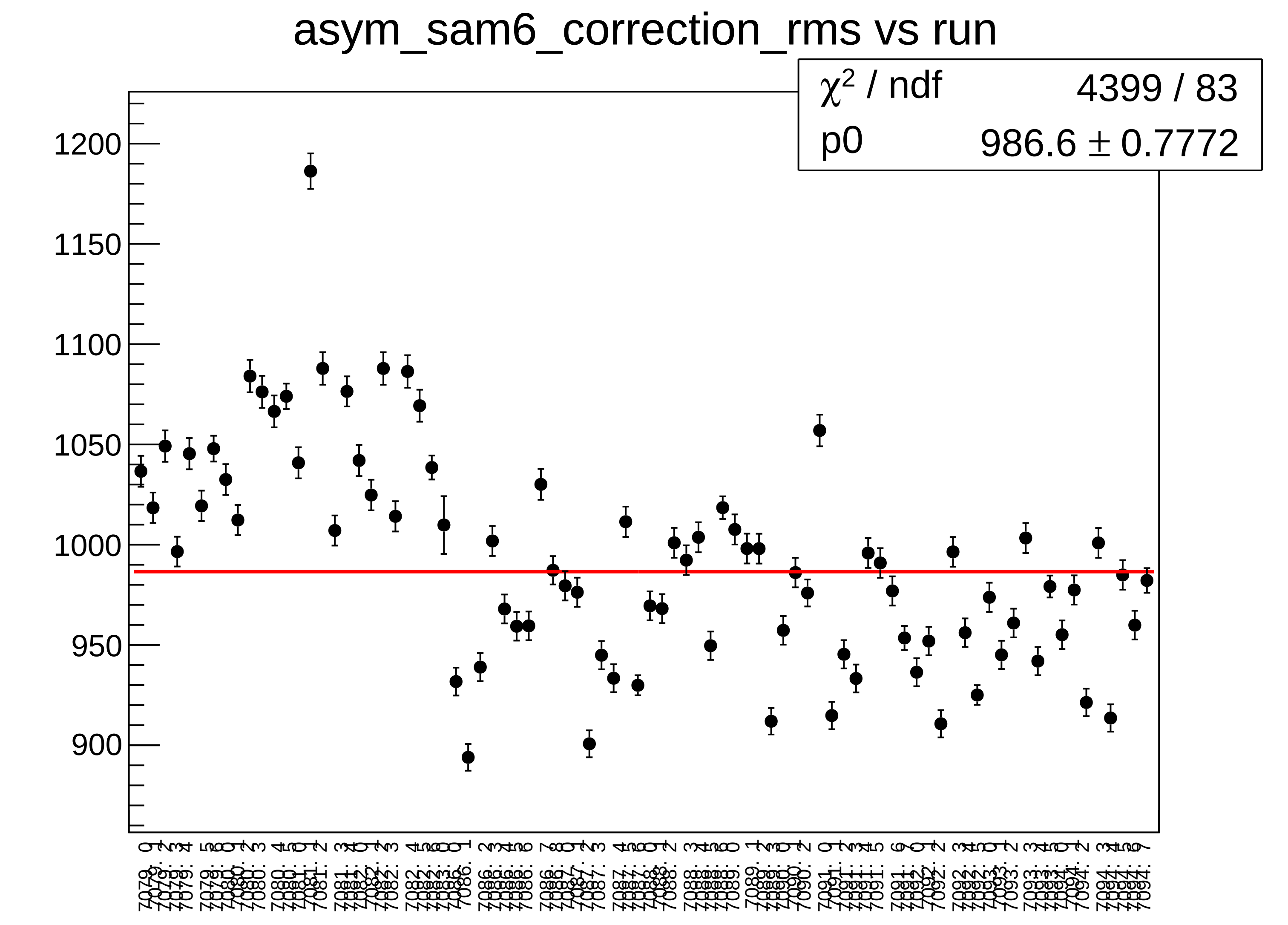


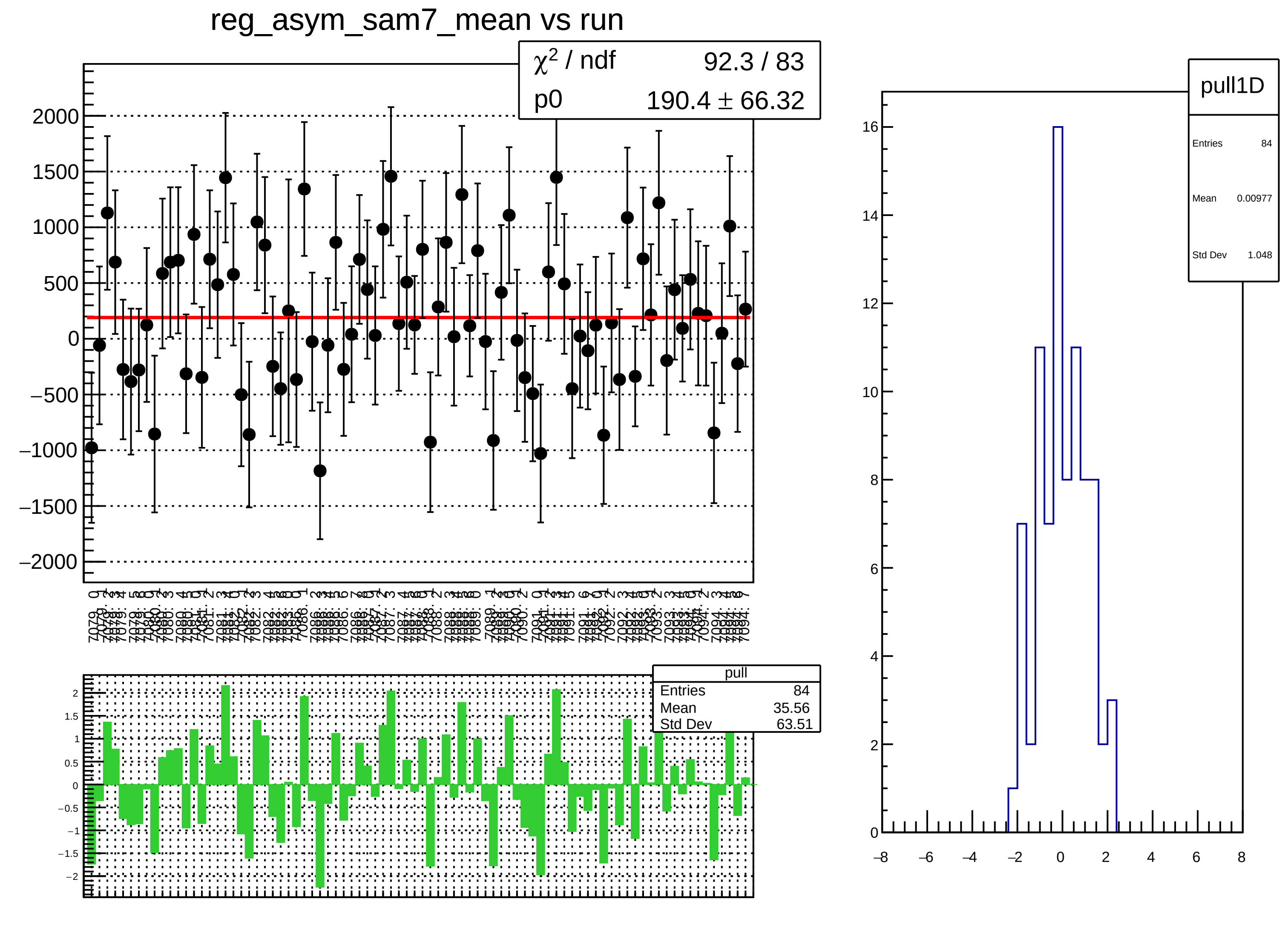
reg_asym_sam6_mean vs run
χ2 / ndf 95.03 / 83
p0 131 ± 173
pull
Entries 84
Mean −207.6
Std Dev 255.1
pull1D
Entries 84
Mean −0.01481
Std Dev 1.064


reg_asym_sam6_rms vs run
χ2 / ndf 369.1 / 83
p0 155.4 ± 0.1223
162
160
158
156
154
152
150

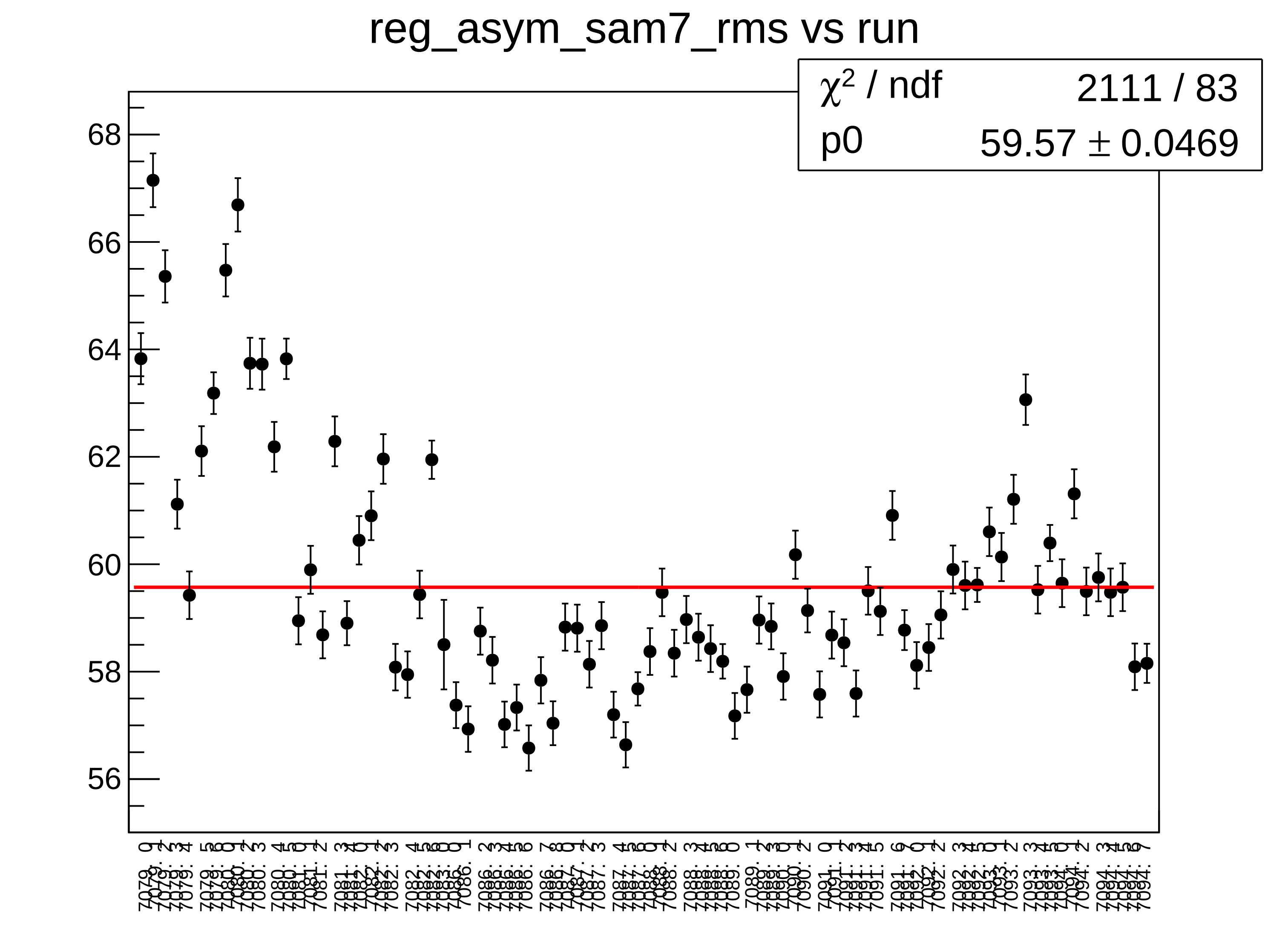


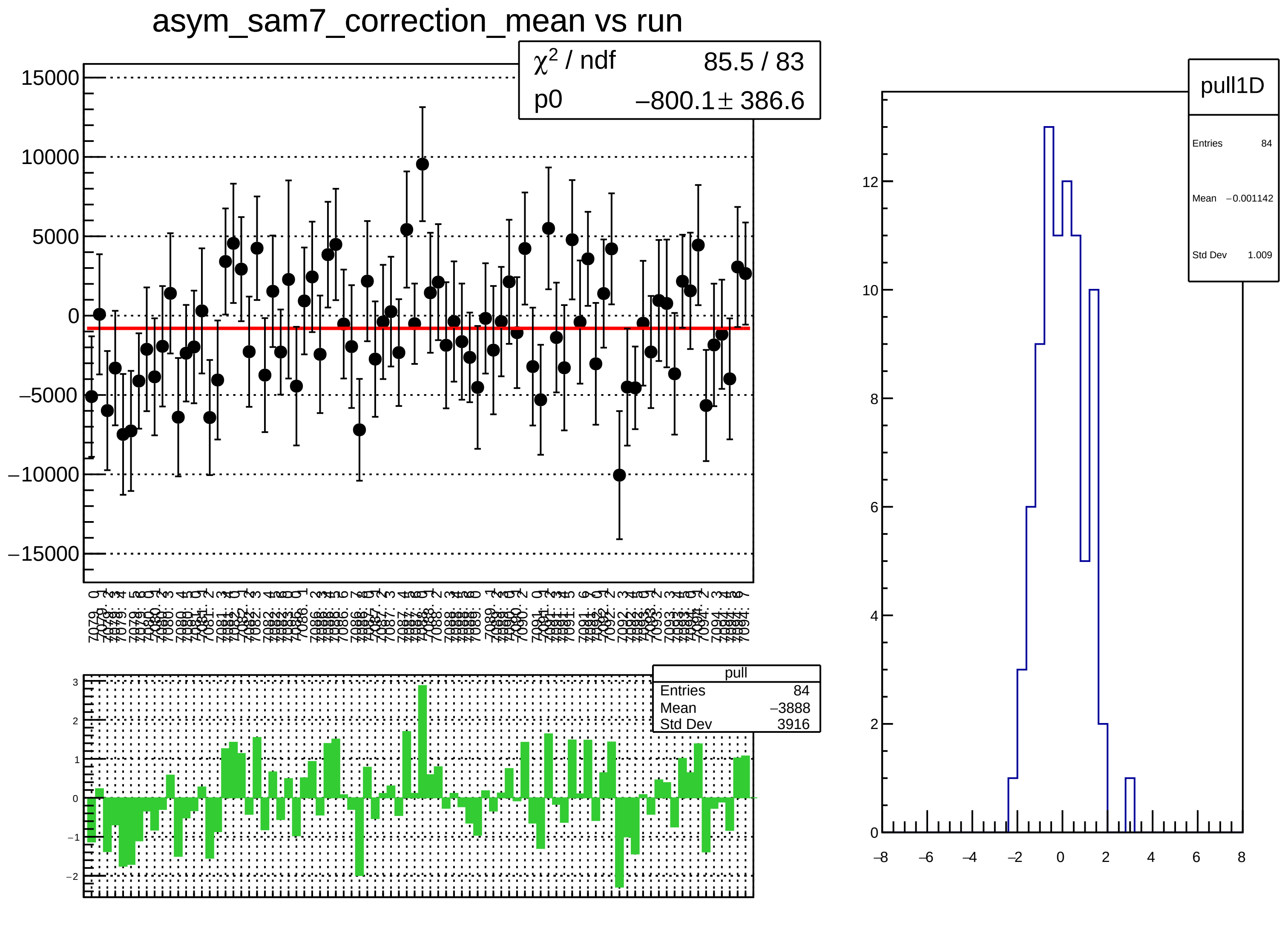
asym_sam6_correction_mean vs run
χ^2 / ndf 76.81 / 83
p0 2265 ± 1099
pull
Entries 84
Mean −503.9
Std Dev 536.9
pull1D
Entries 84
Mean 0.00842
Std Dev 0.9562

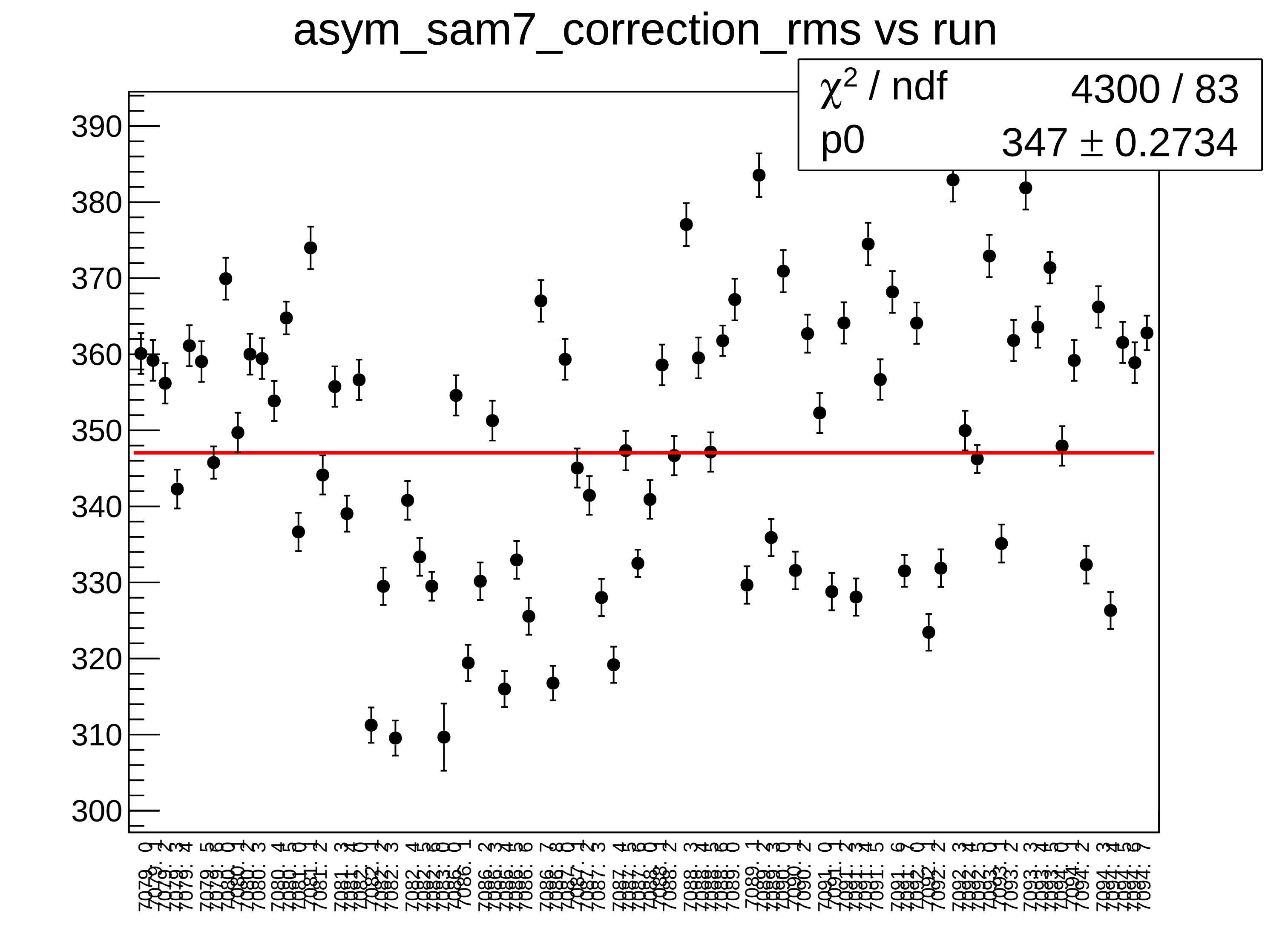

asym_sam6_correction_rms vs run
χ^2 / ndf 4399 / 83
p0 986.6 ± 0.7772
1200
1150
1100
1050
1000
950
900

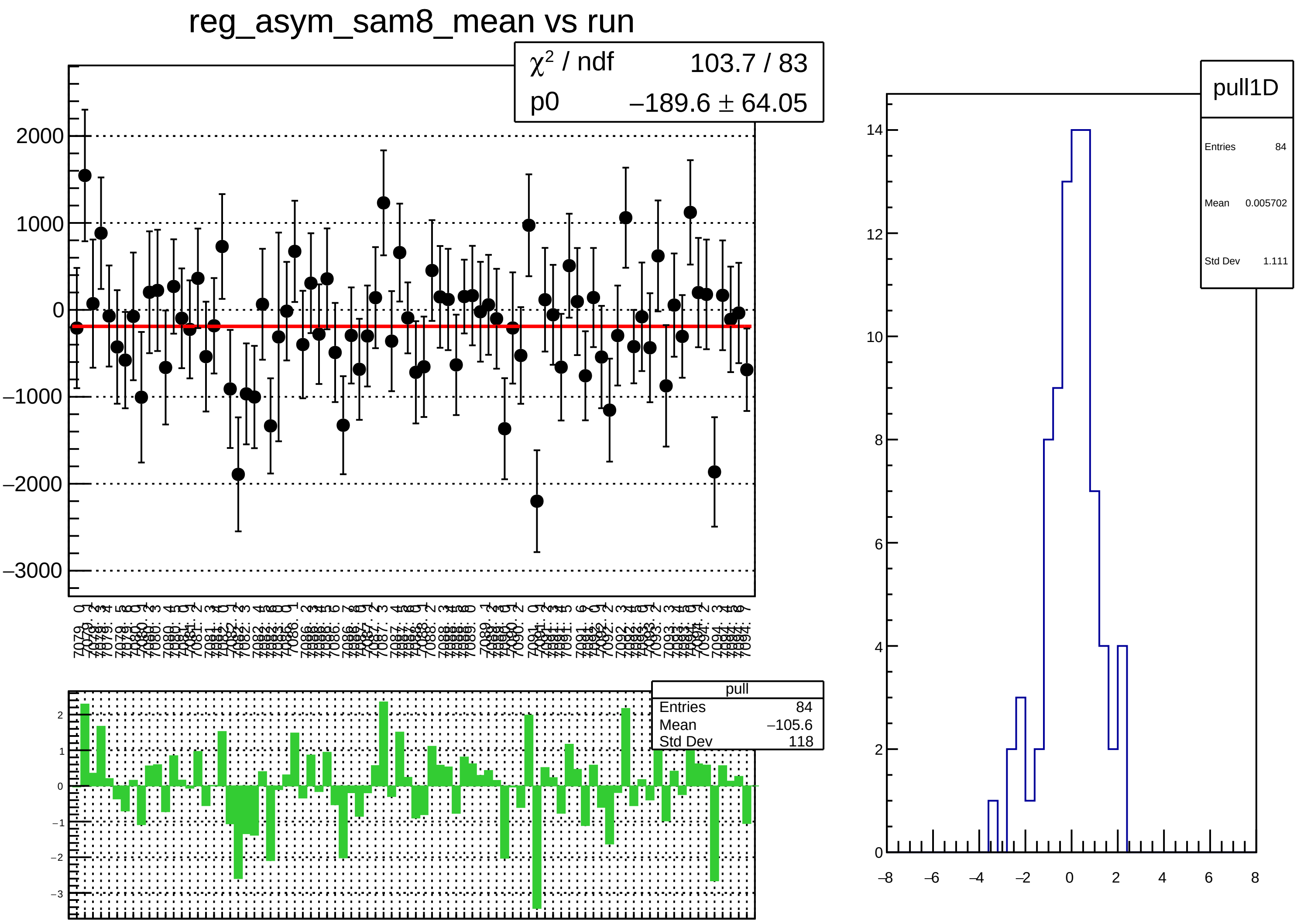


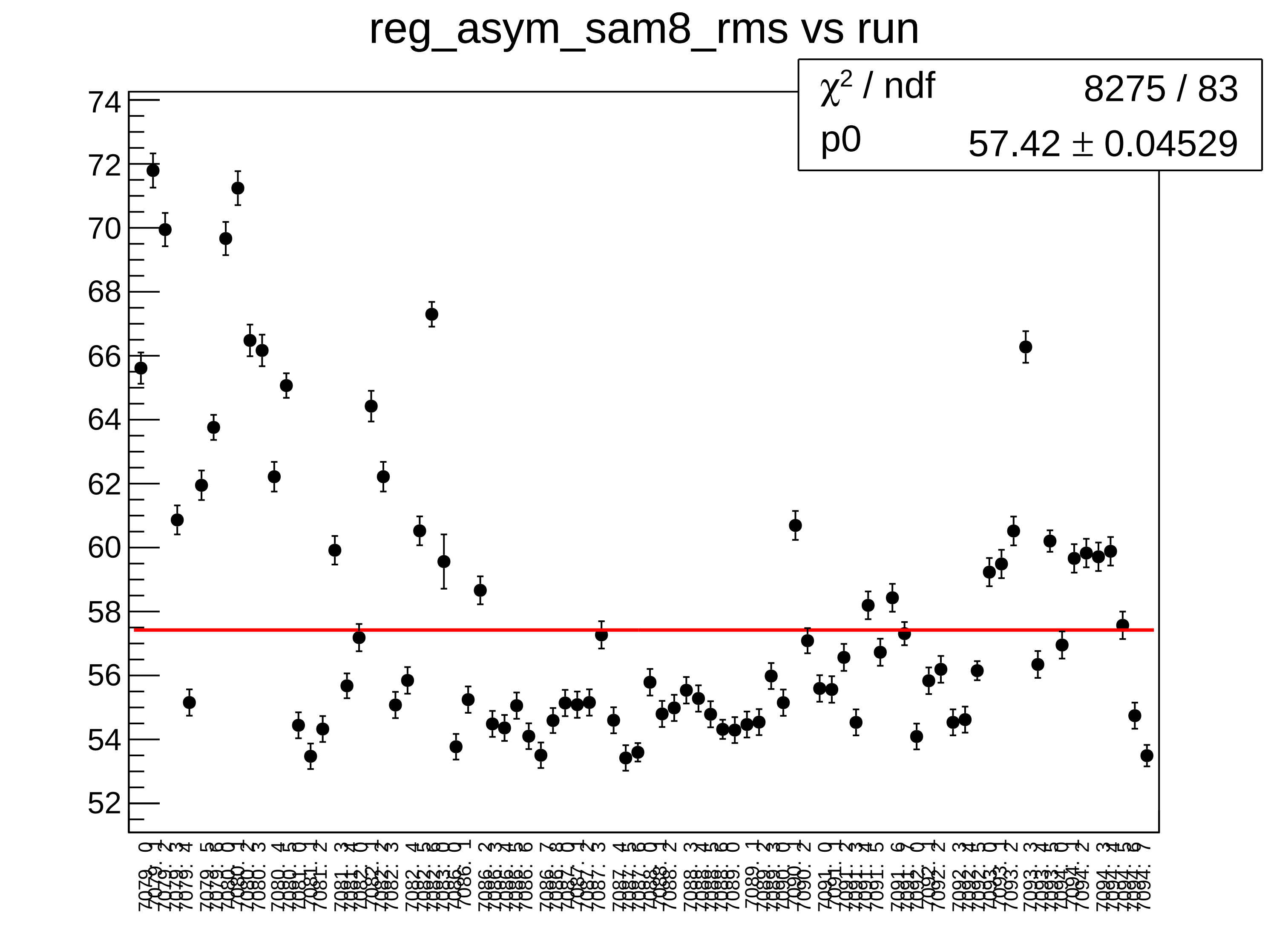
reg_asym_sam7_mean vs run
χ^2 / ndf 92.3 / 83
p0 190.4 ± 66.32
pull
Entries 84
Mean 35.56
Std Dev 63.51
pull1D
Entries 84
Mean 0.00977
Std Dev 1.048

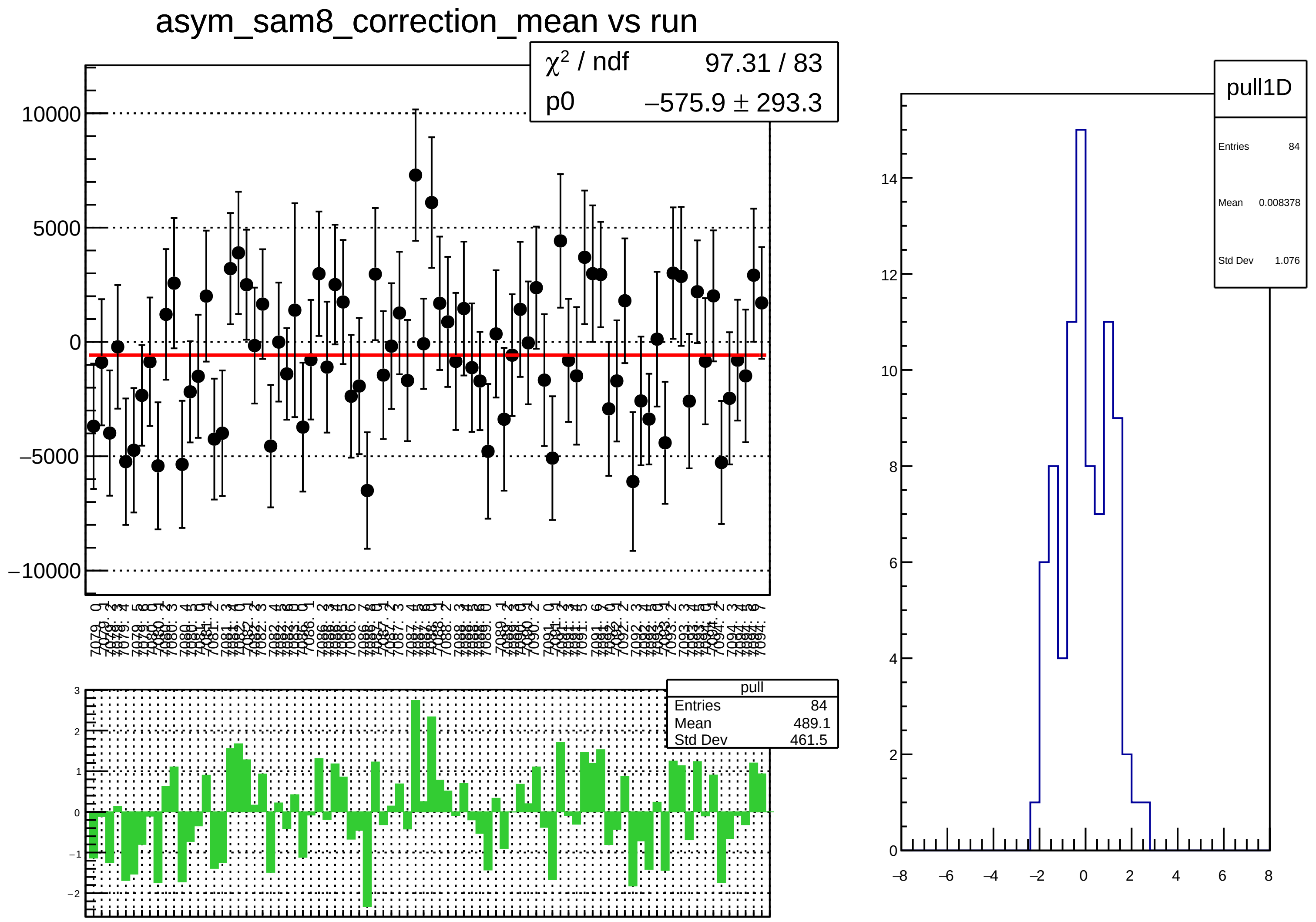

reg_asym_sam7_rms vs run
χ2 / ndf 2111 / 83
p0 59.57 ± 0.0469
68
66
64
62
60
58
56

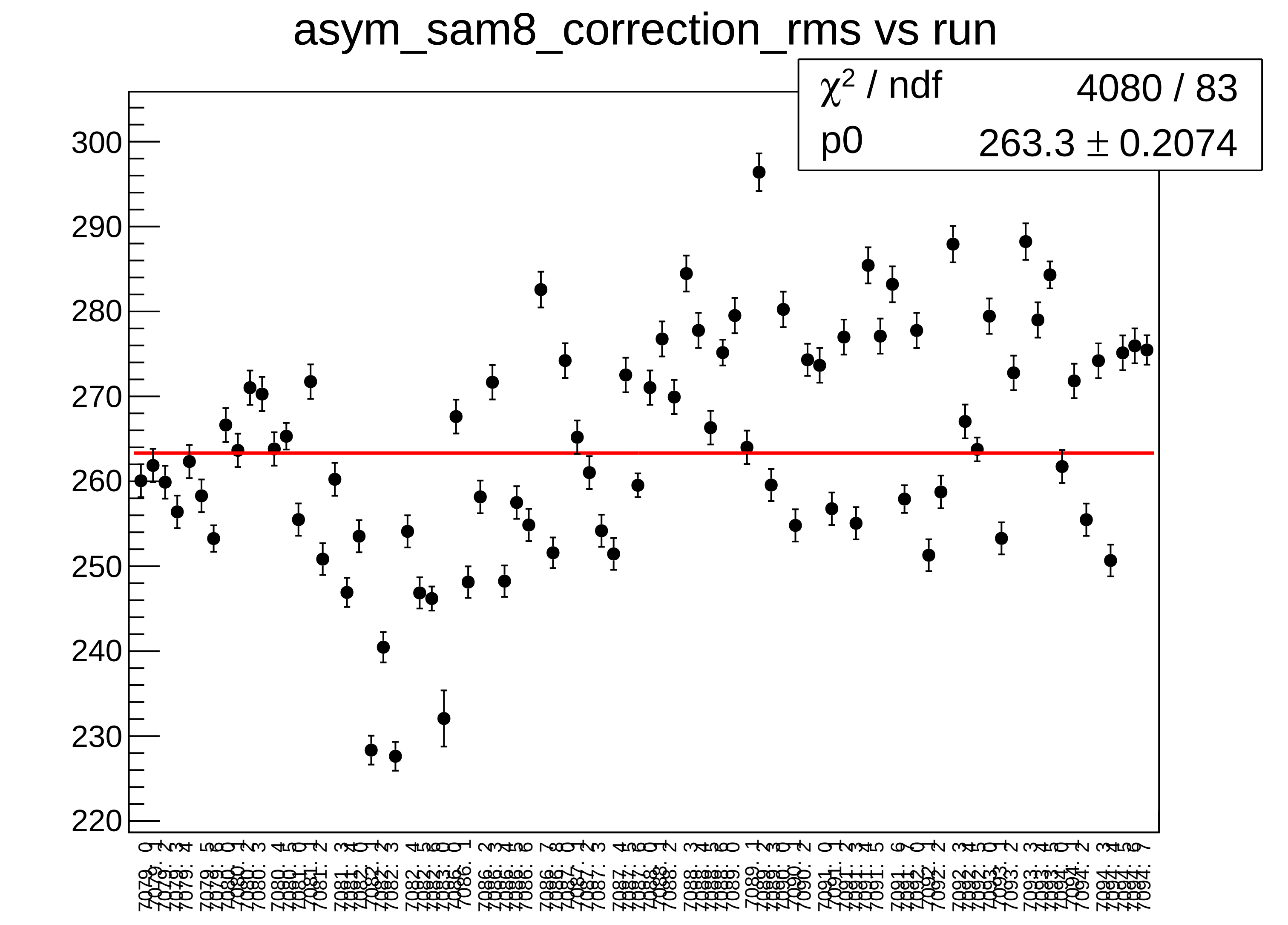

asym_sam7_correction_mean vs run
χ^2 / ndf 85.5 / 83
p0 −800.1 ± 386.6
pull
Entries 84
Mean −3888
Std Dev 3916
pull1D
Entries 84
Mean −0.001142
Std Dev 1.009


asym_sam7_correction_rms vs run
χ2 / ndf 4300 / 83
p0 347 ± 0.2734
390
380
370
360
350
340
330
320
310
300


reg_asym_sam8_mean vs run
χ2 / ndf 103.7 / 83
p0 −189.6 ± 64.05
pull
Entries 84
Mean −105.6
Std Dev 118
pull1D
Entries 84
Mean 0.005702
Std Dev 1.111

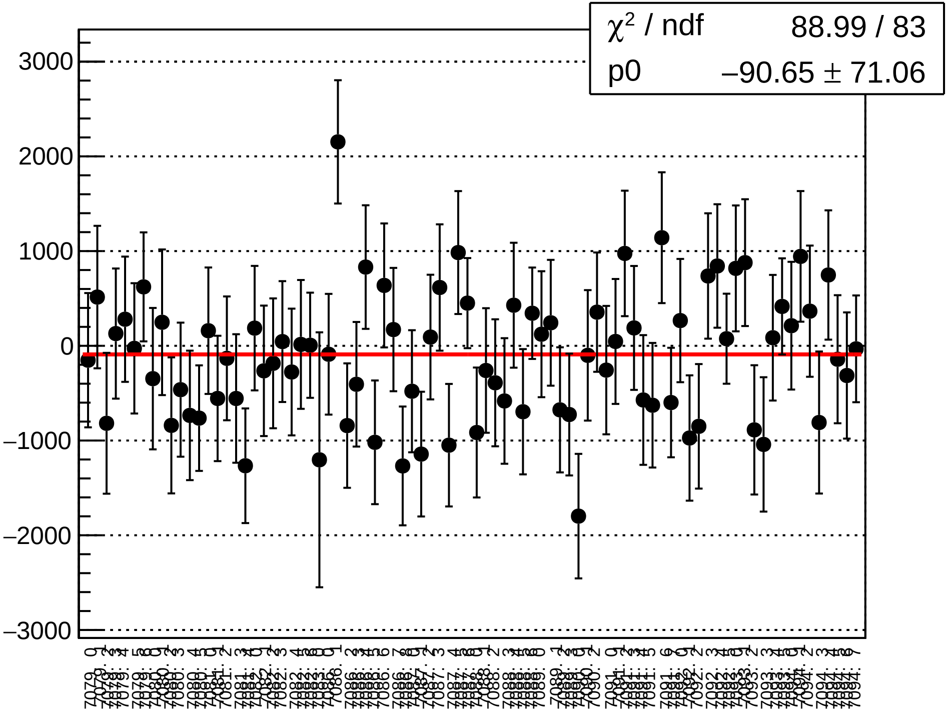

reg_asym_sam8_rms vs run
χ^2 / ndf 8275 / 83
p0 57.42 ± 0.04529
74
72
70
68
66
64
62
60
58
56
54
52

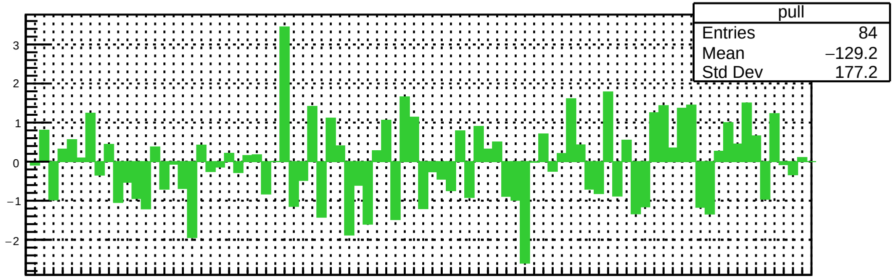

asym_sam8_correction_mean vs run
χ^2 / ndf 97.31 / 83
p0 −575.9 ± 293.3
pull
Entries 84
Mean 489.1
Std Dev 461.5
pull1D
Entries 84
Mean 0.008378
Std Dev 1.076

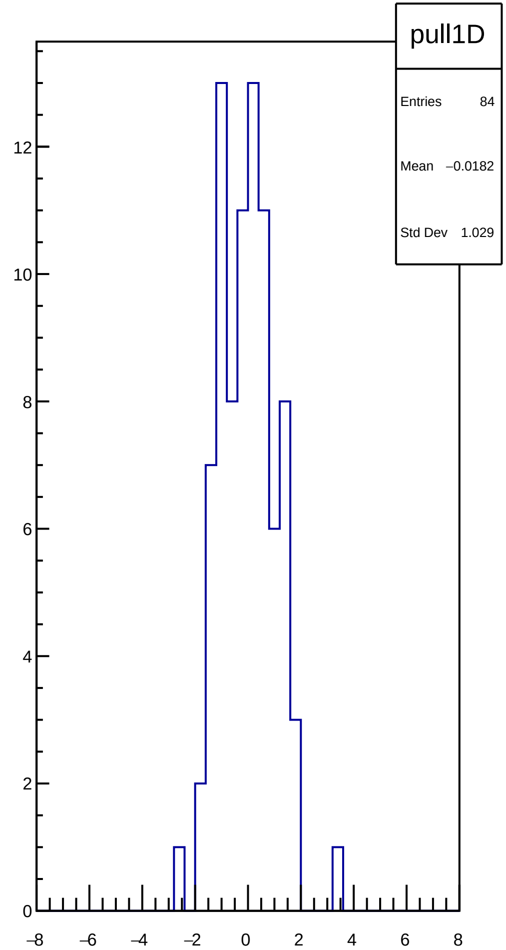


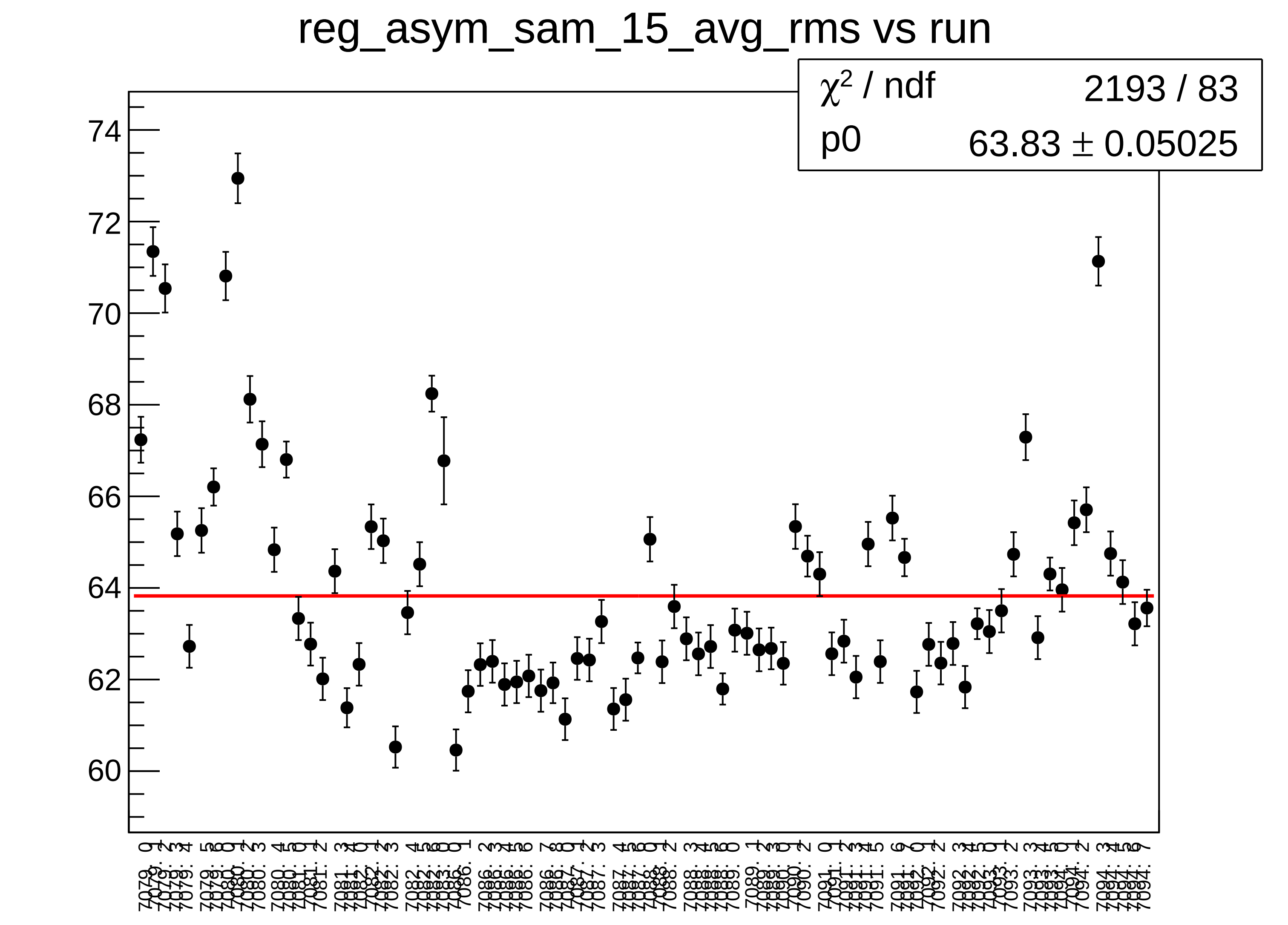
asym_sam8_correction_rms vs run
χ^2 / ndf 4080 / 83
p0 263.3 ± 0.2074
300
290
280
270
260
250
240
230
220

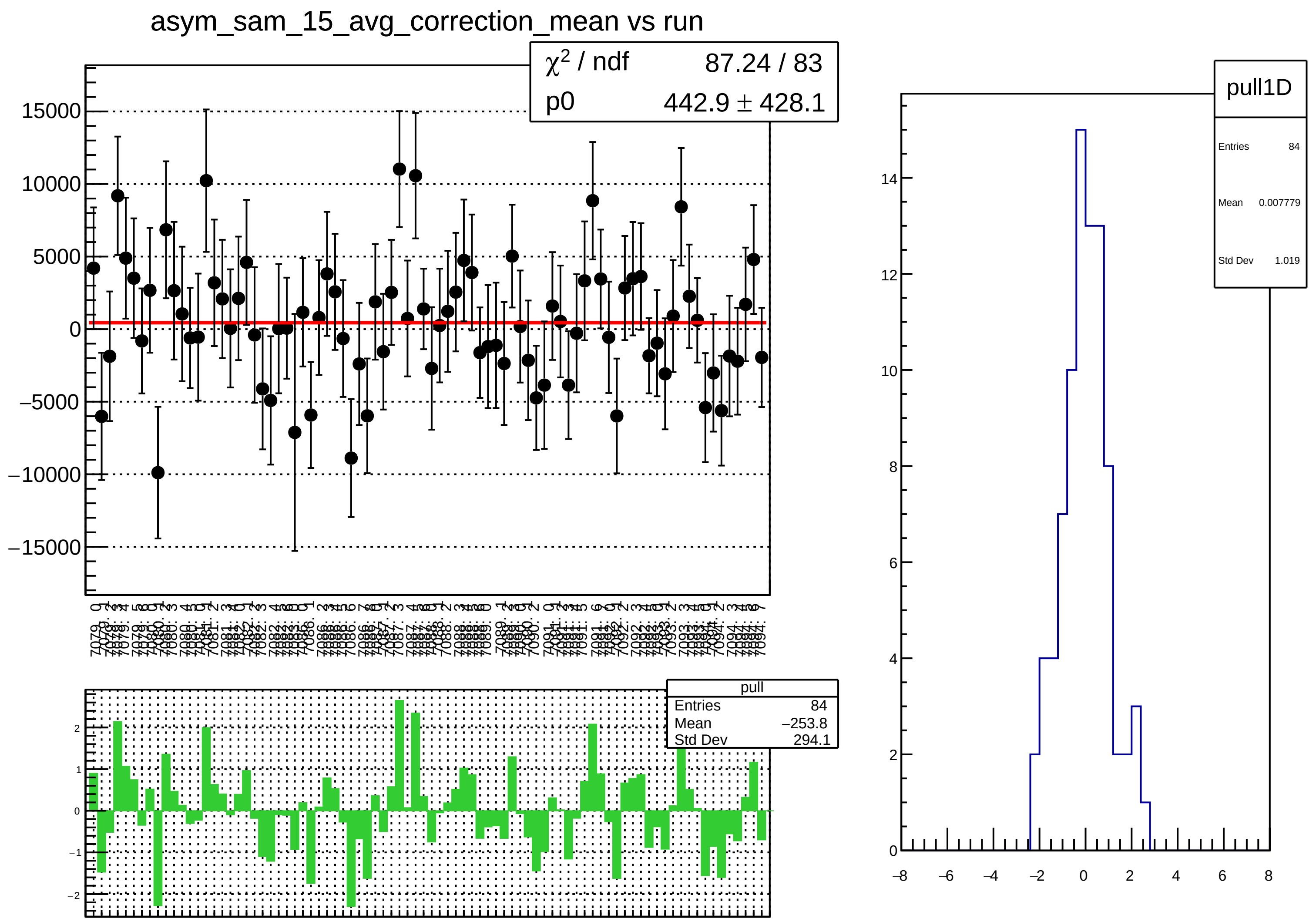
reg_asym_sam_15_avg_mean vs run

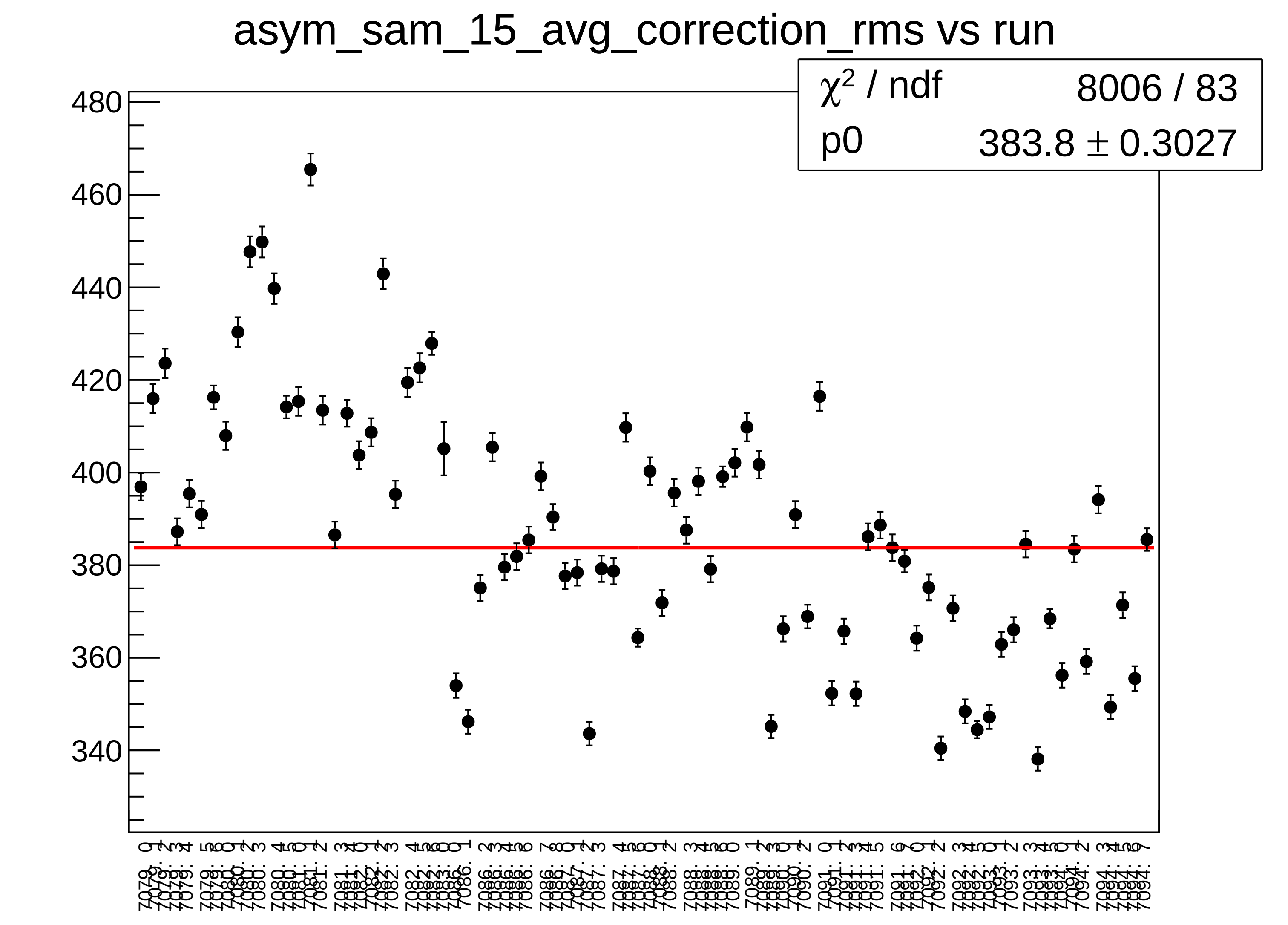




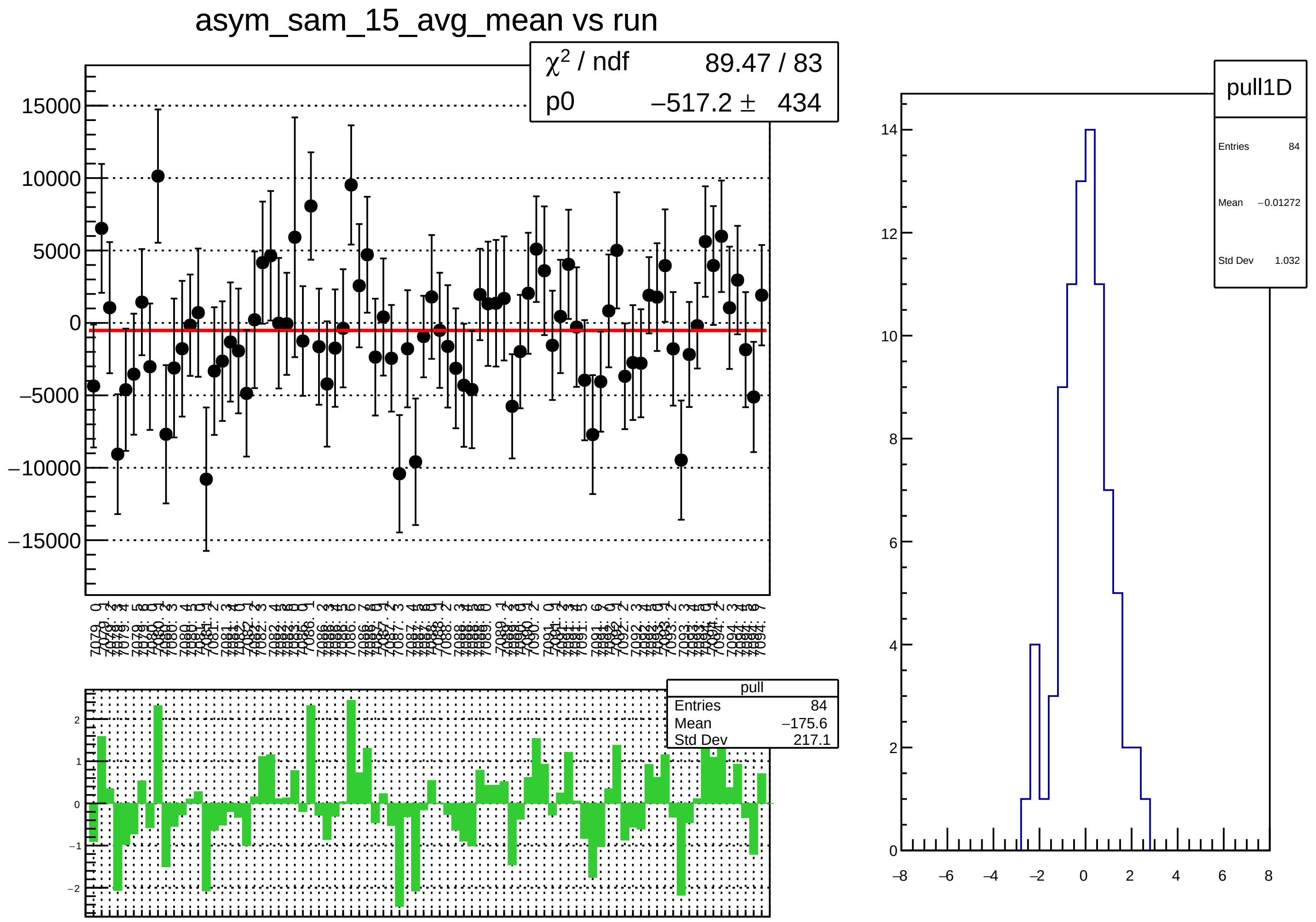



reg_asym_sam_15_avg_rms vs run
χ2 / ndf 2193 / 83
p0 63.83 ± 0.05025
74
72
70
68
66
64
62
60

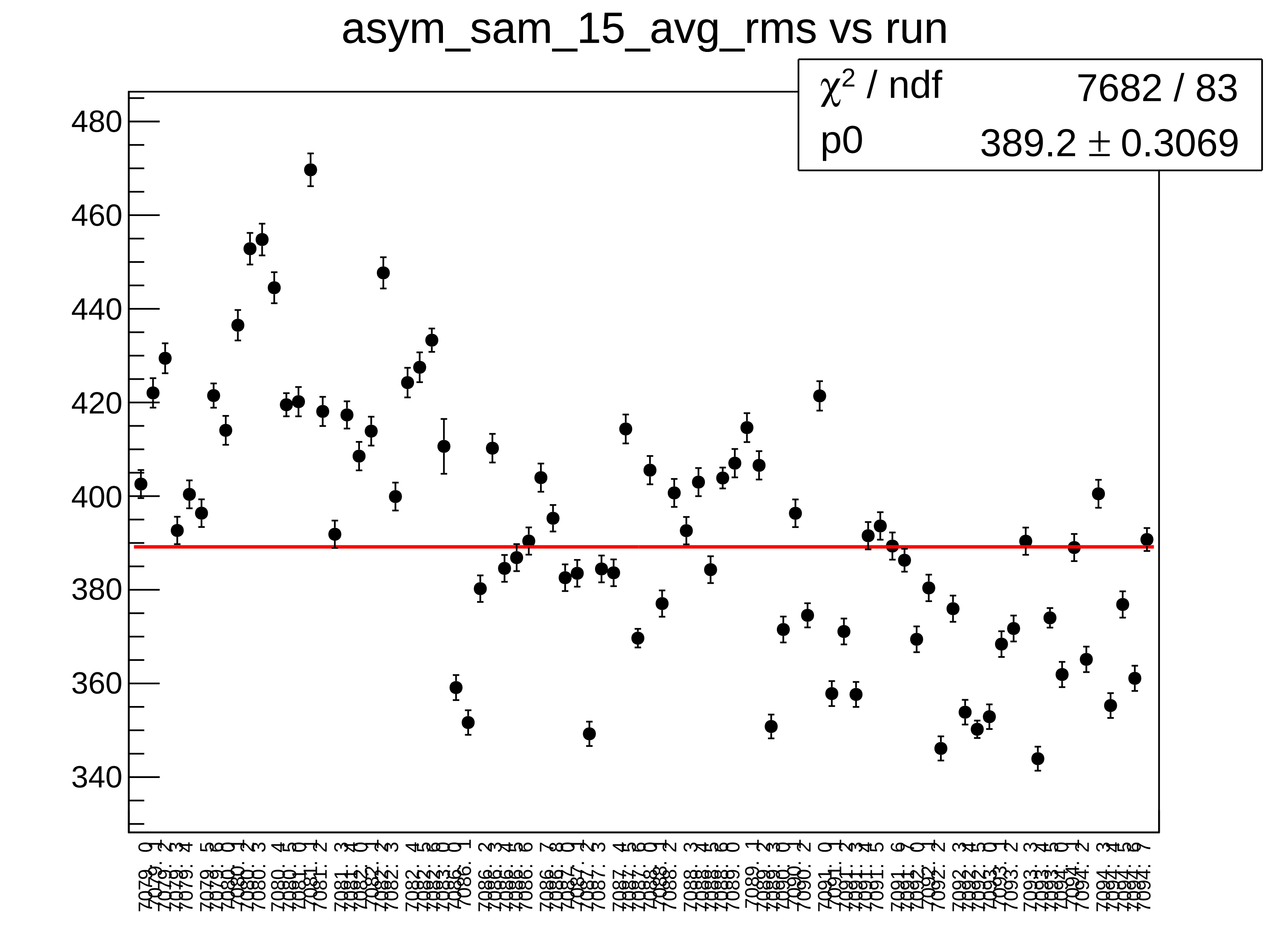

asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 87.24 / 83
p0 442.9 ± 428.1
pull
Entries 84
Mean −253.8
Std Dev 294.1
pull1D
Entries 84
Mean 0.007779
Std Dev 1.019

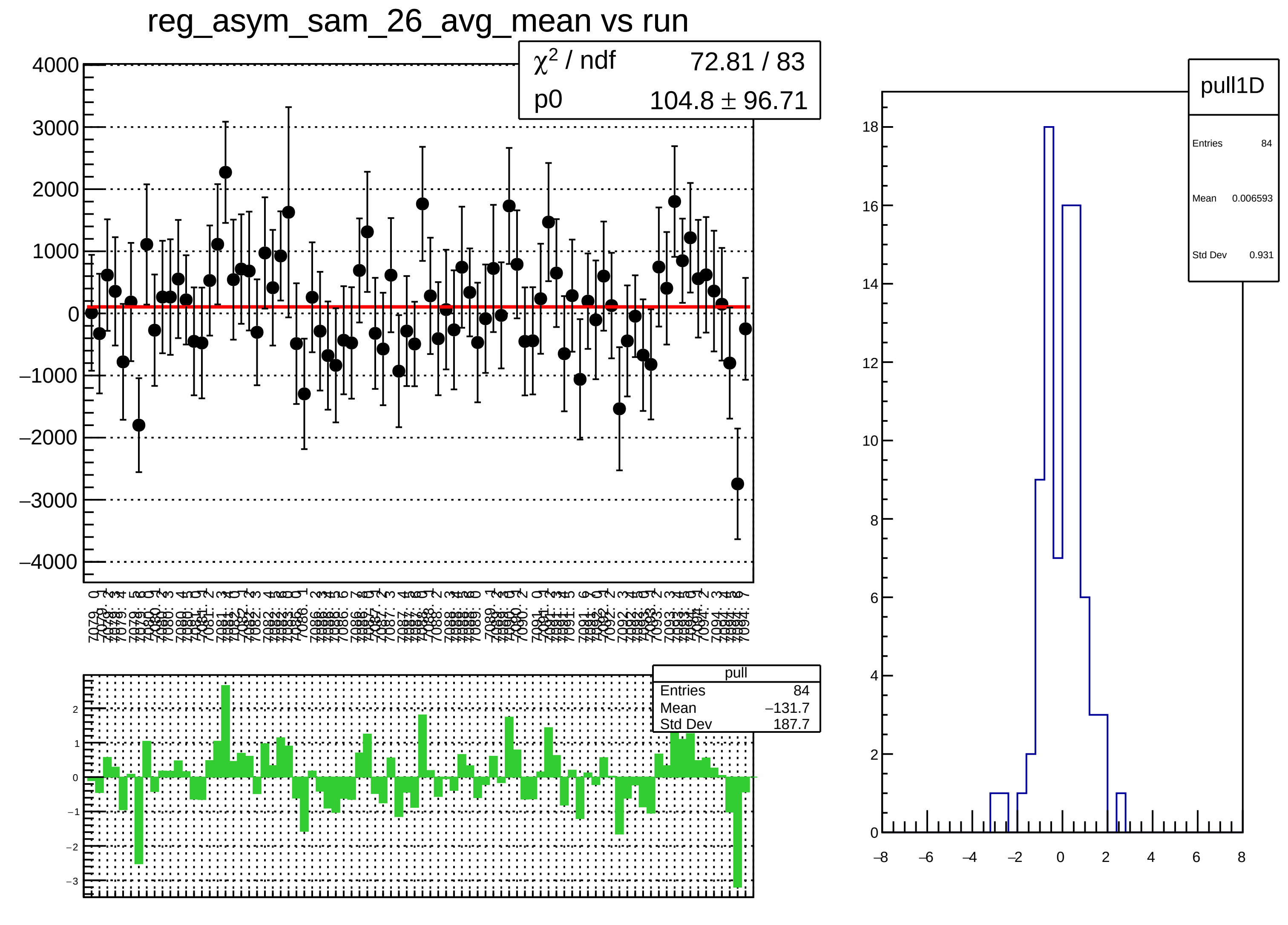


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 8006 / 83
p0 383.8 ± 0.3027
480
460
440
420
400
380
360
340

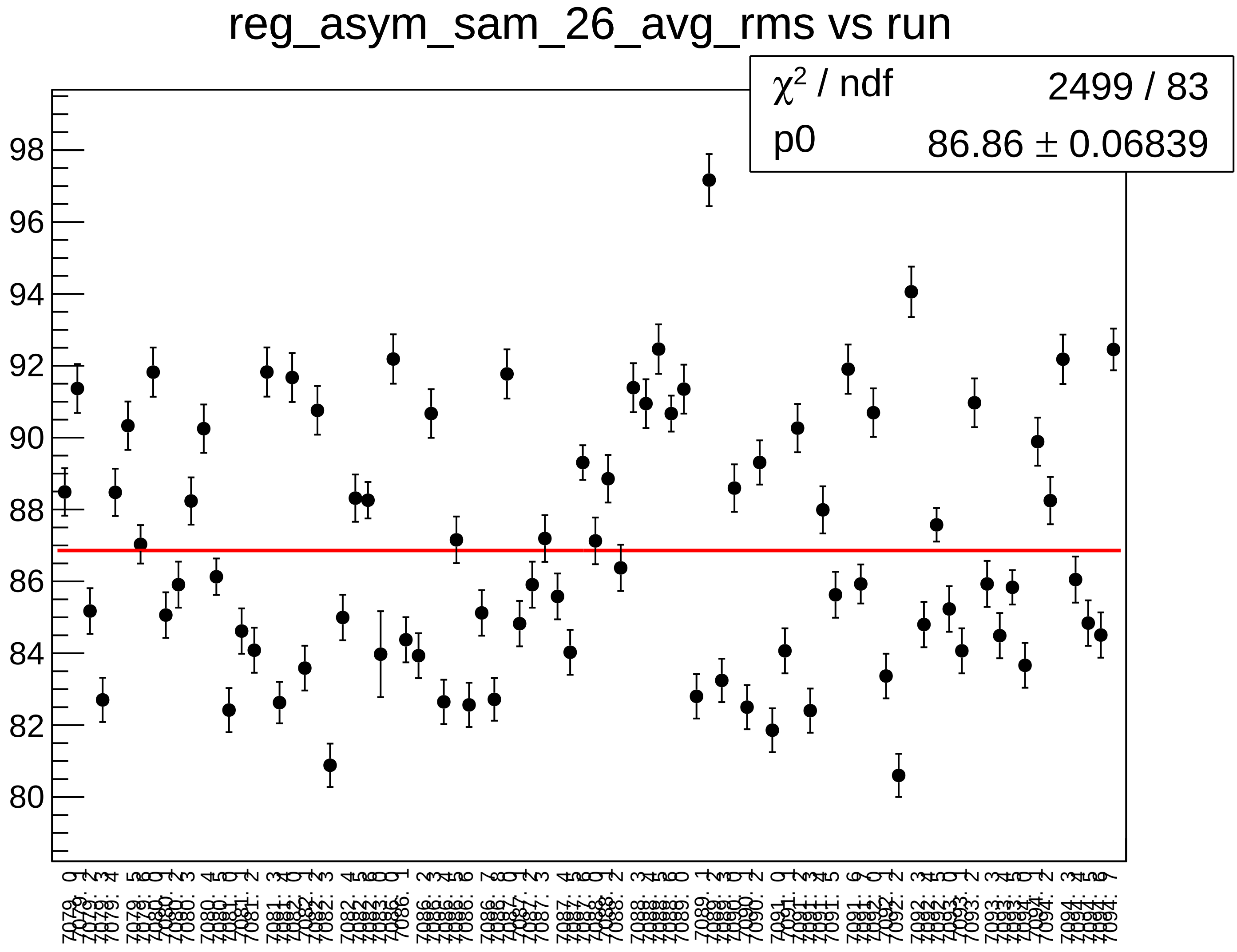


asym_sam_15_avg_mean vs run
χ^2 / ndf 89.47 / 83
p0 −517.2 ± 434
pull
Entries 84
Mean −175.6
Std Dev 217.1
pull1D
Entries 84
Mean −0.01272
Std Dev 1.032

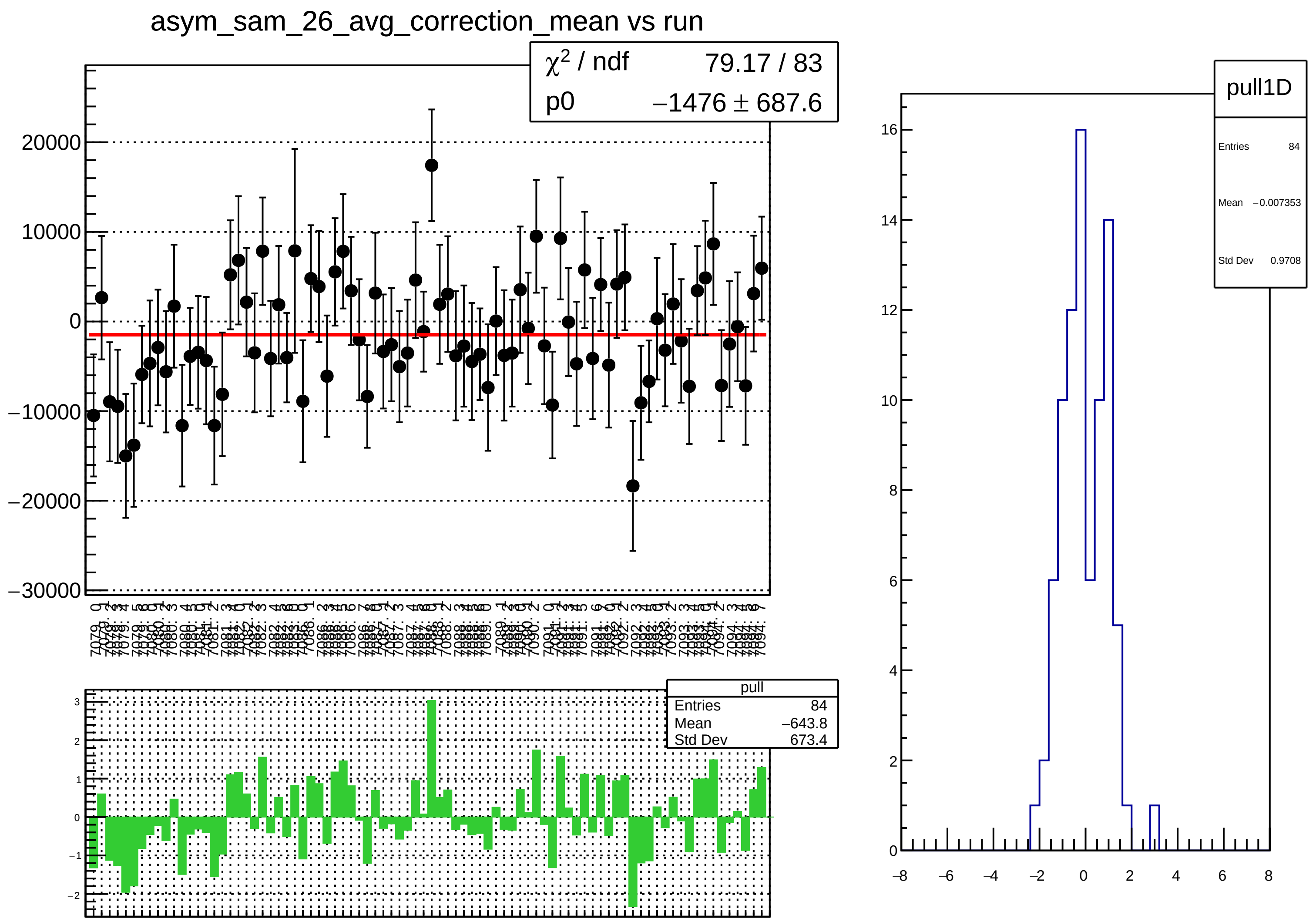

asym_sam_15_avg_rms vs run
χ2 / ndf 7682 / 83
p0 389.2 ± 0.3069
480
460
440
420
400
380
360
340



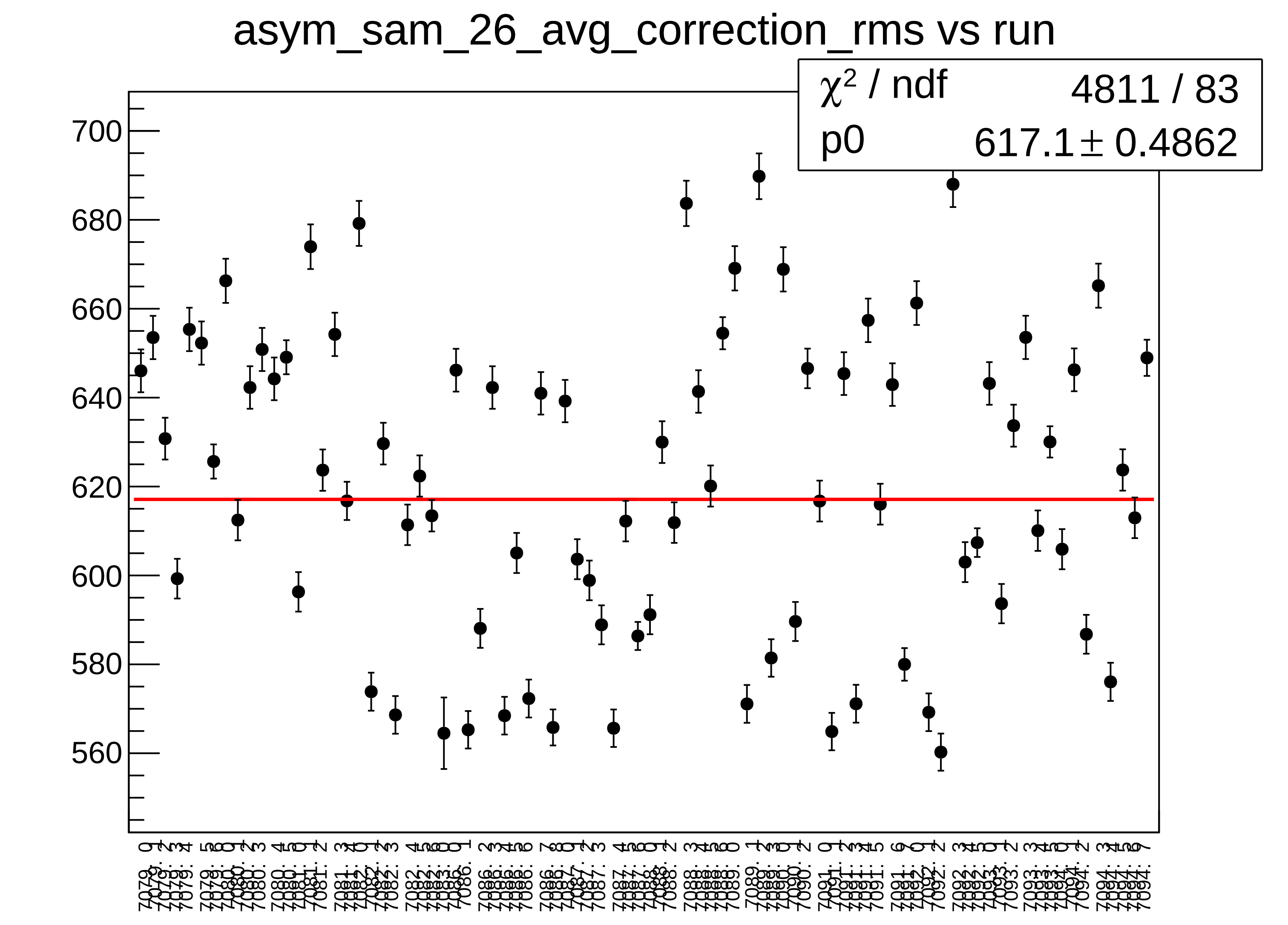
reg_asym_sam_26_avg_mean vs run
χ^2 / ndf 72.81 / 83
p0 104.8 ± 96.71
pull
Entries 84
Mean −131.7
Std Dev 187.7
pull1D
Entries 84
Mean 0.006593
Std Dev 0.931

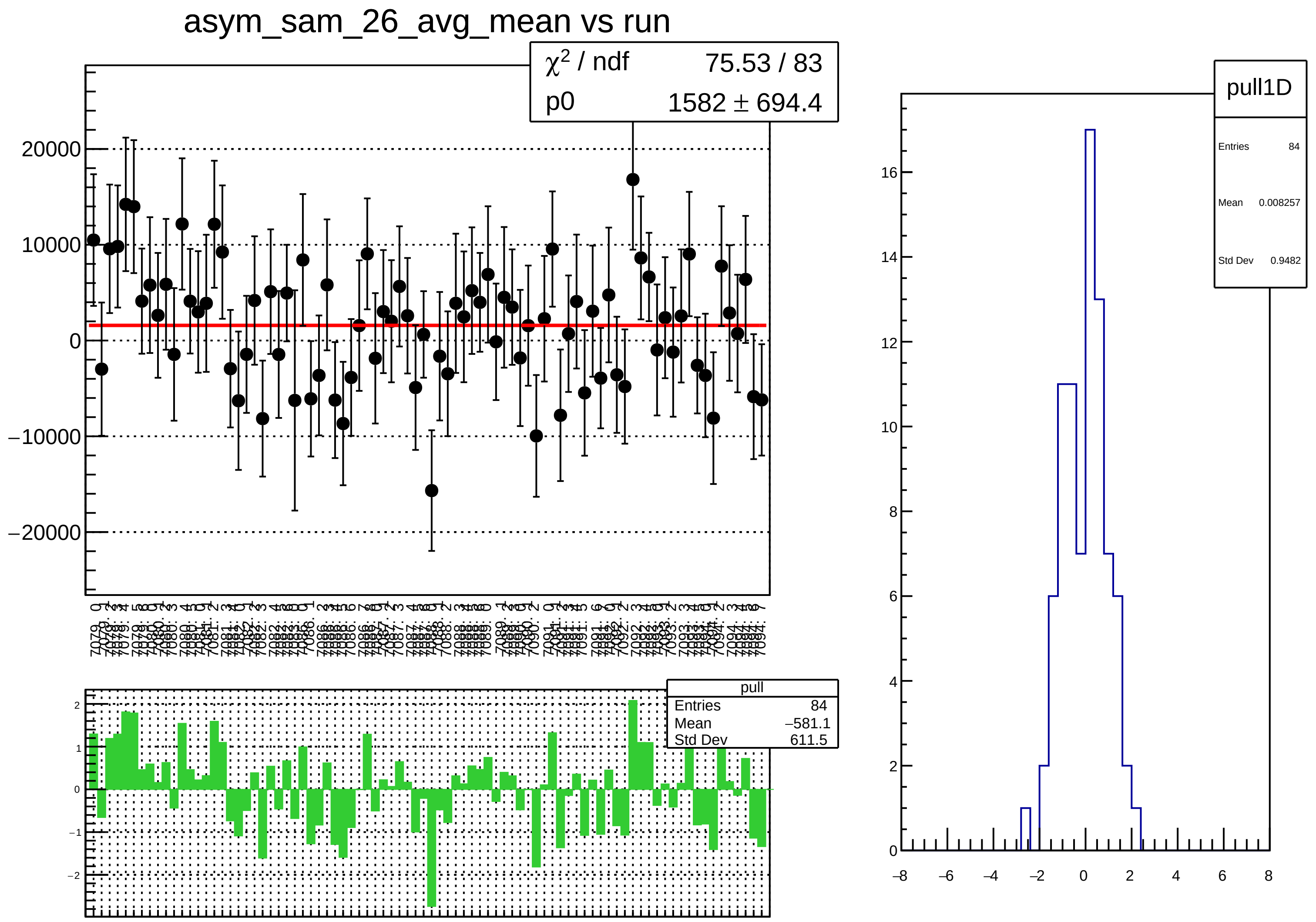


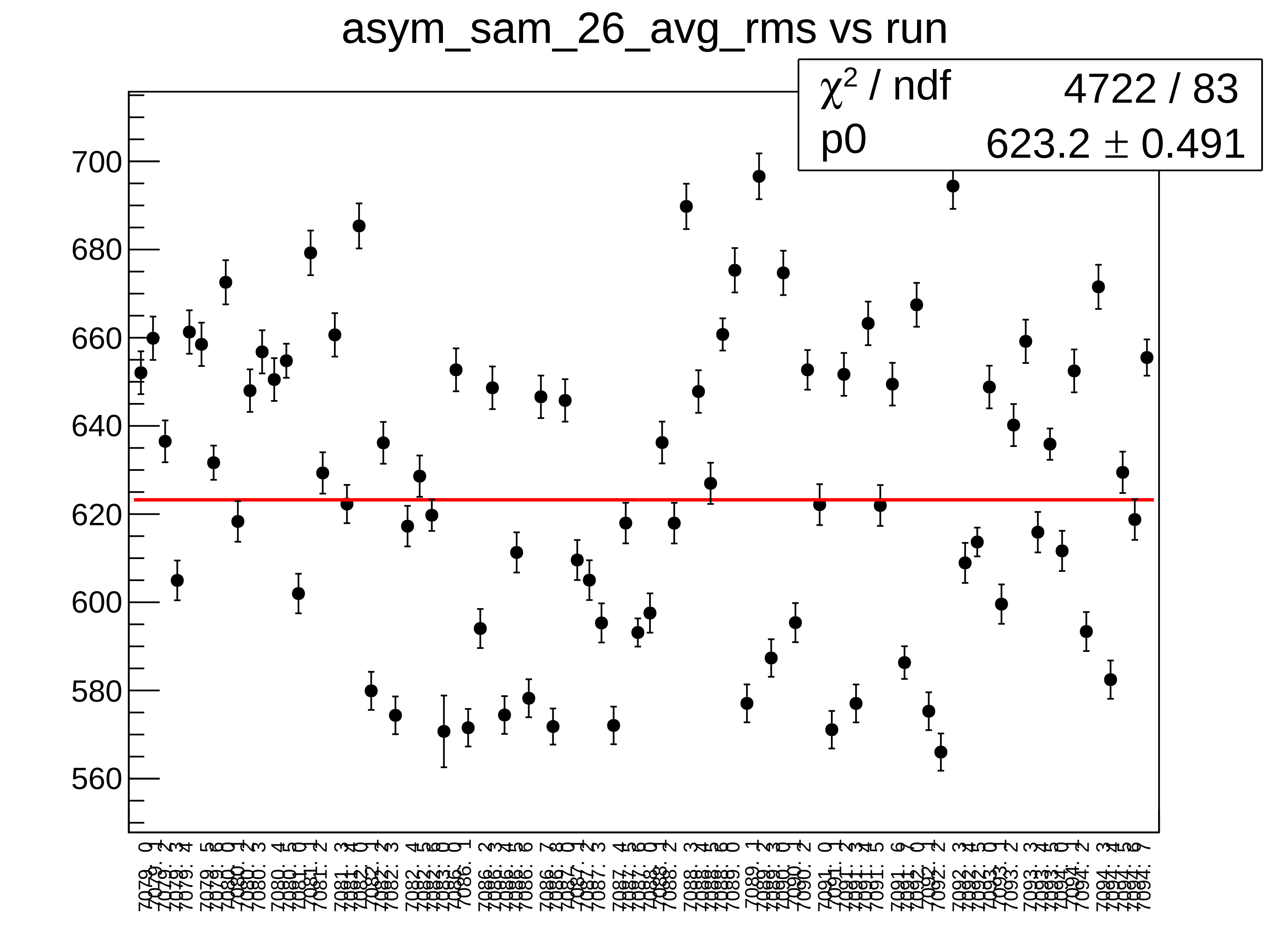
reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 2499 / 83
p0 86.86 ± 0.06839
98
96
94
92
90
88
86
84
82
80



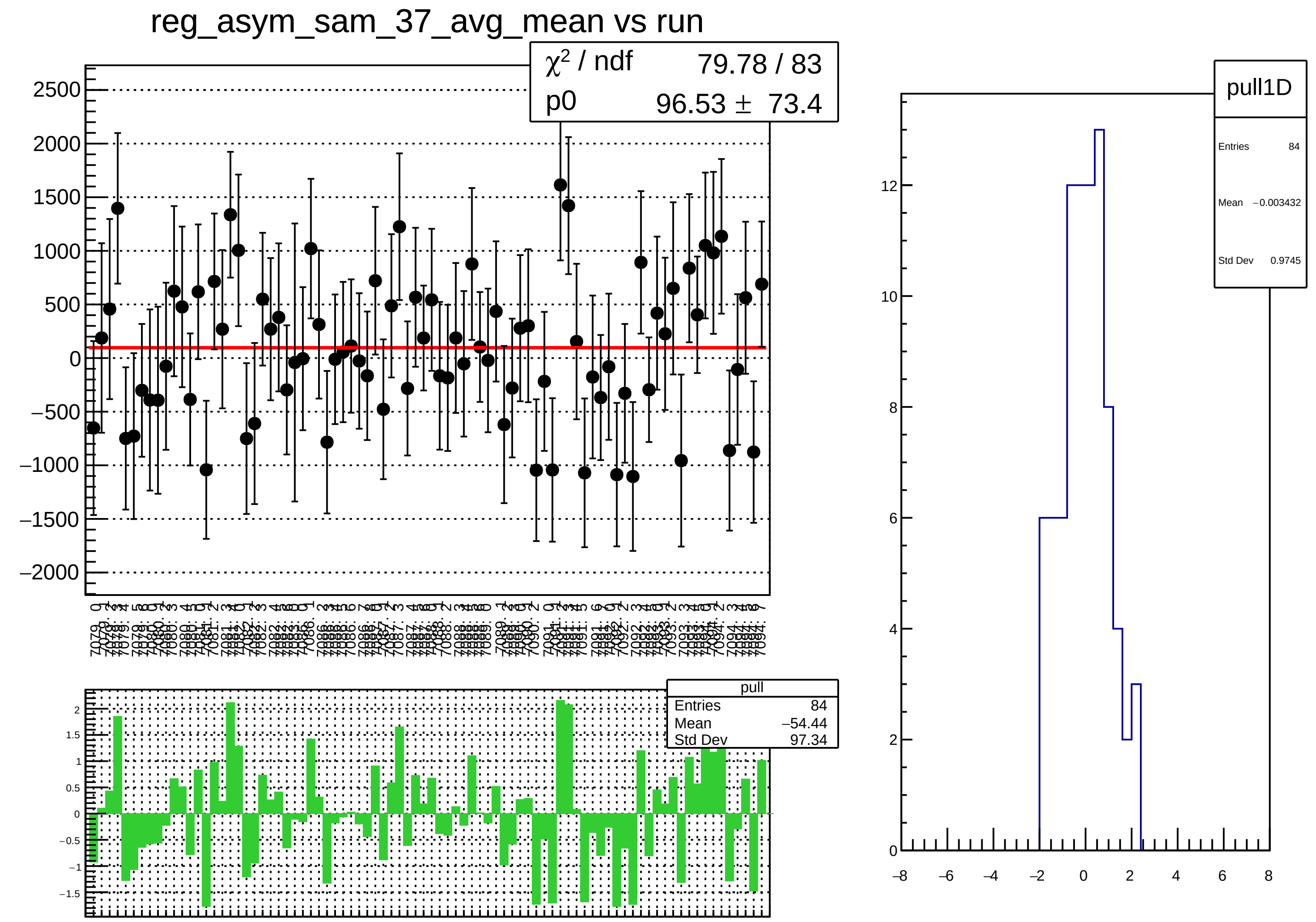
asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 79.17 / 83
p0 −1476 ± 687.6
pull
Entries 84
Mean −643.8
Std Dev 673.4
pull1D
Entries 84
Mean −0.007353
Std Dev 0.9708


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 4811 / 83
p0 617.1 ± 0.4862
700
680
660
640
620
600
580
560

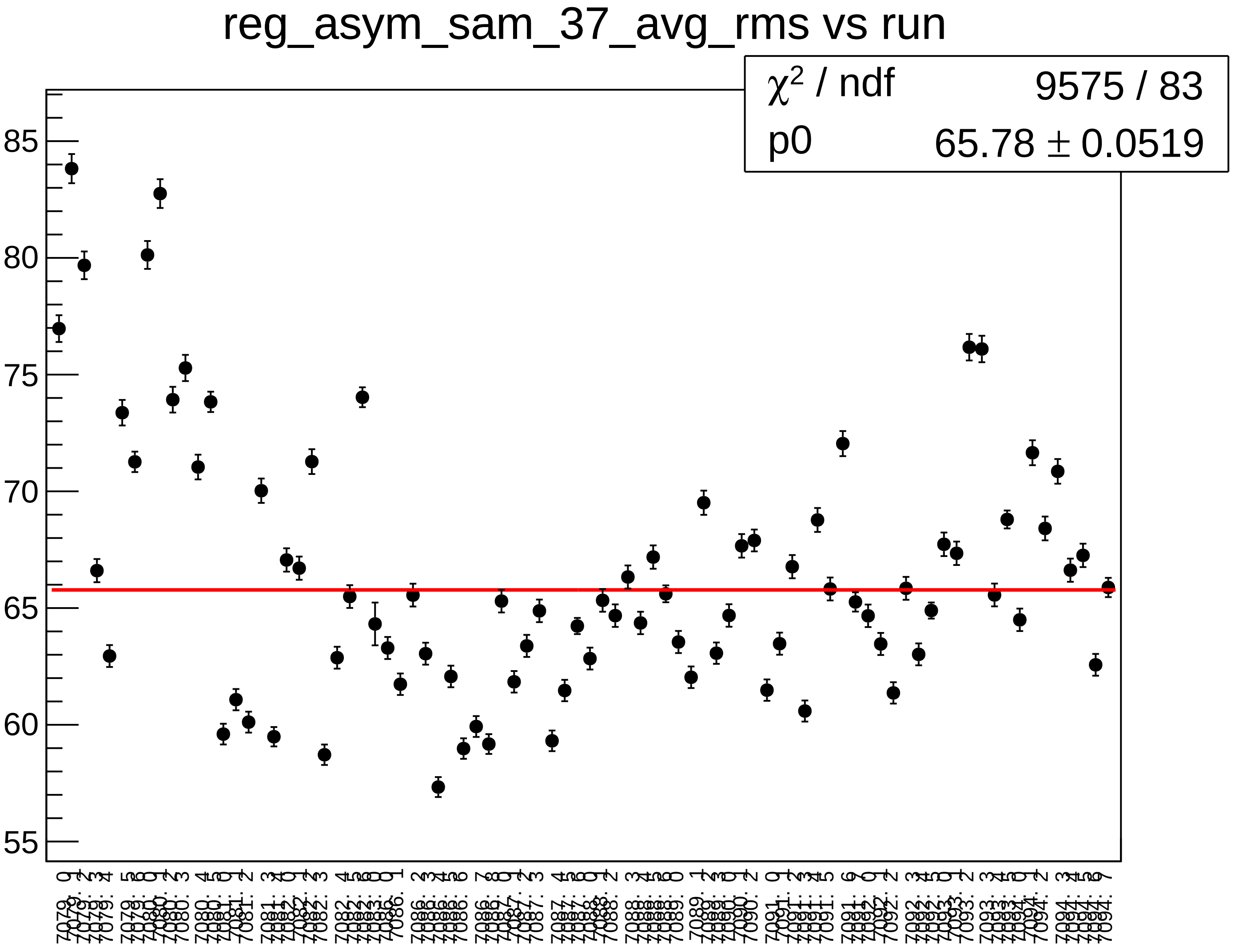

asym_sam_26_avg_mean vs run
χ^2 / ndf 75.53 / 83
p0 1582 ± 694.4
pull
Entries 84
Mean −581.1
Std Dev 611.5
pull1D
Entries 84
Mean 0.008257
Std Dev 0.9482

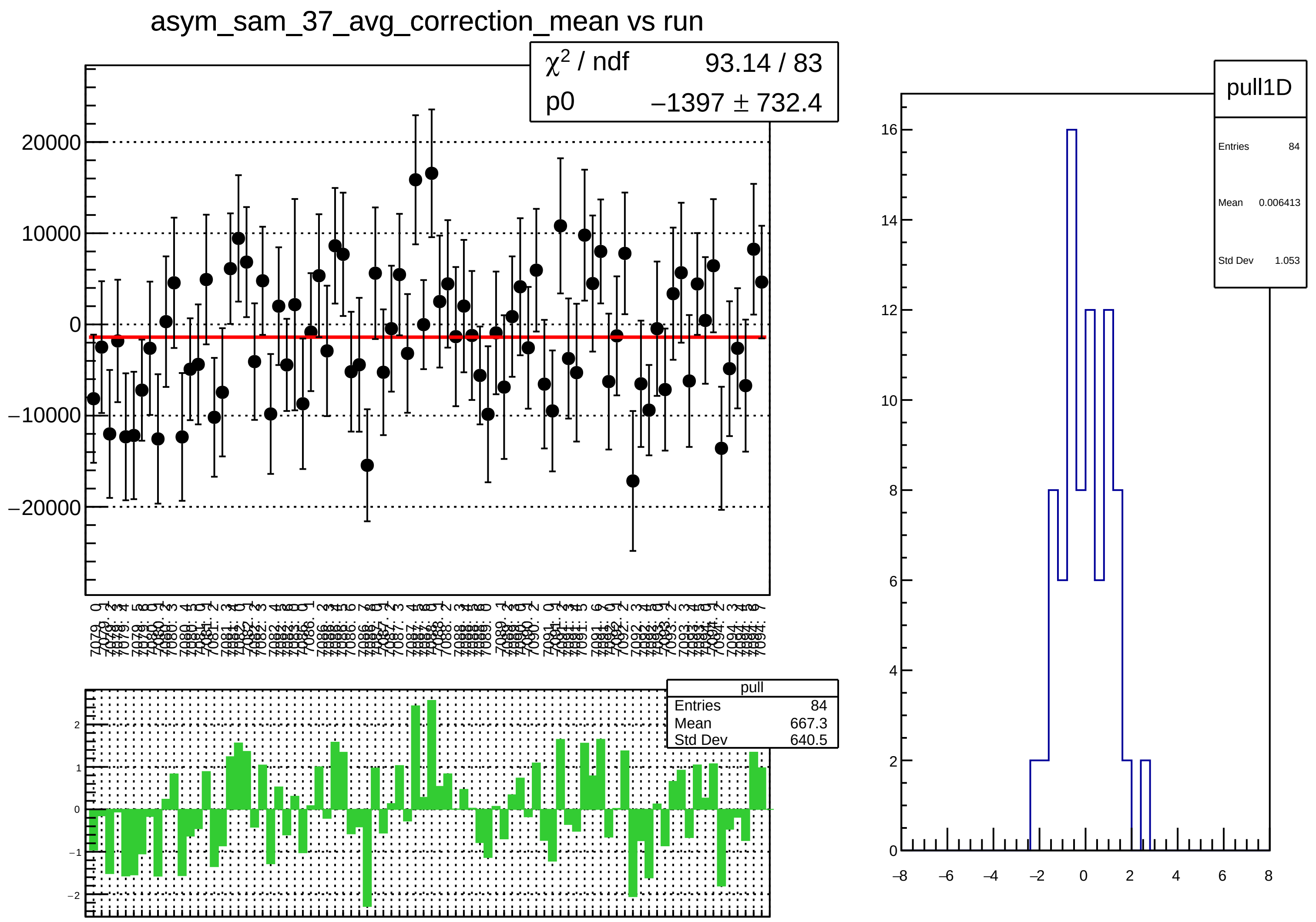


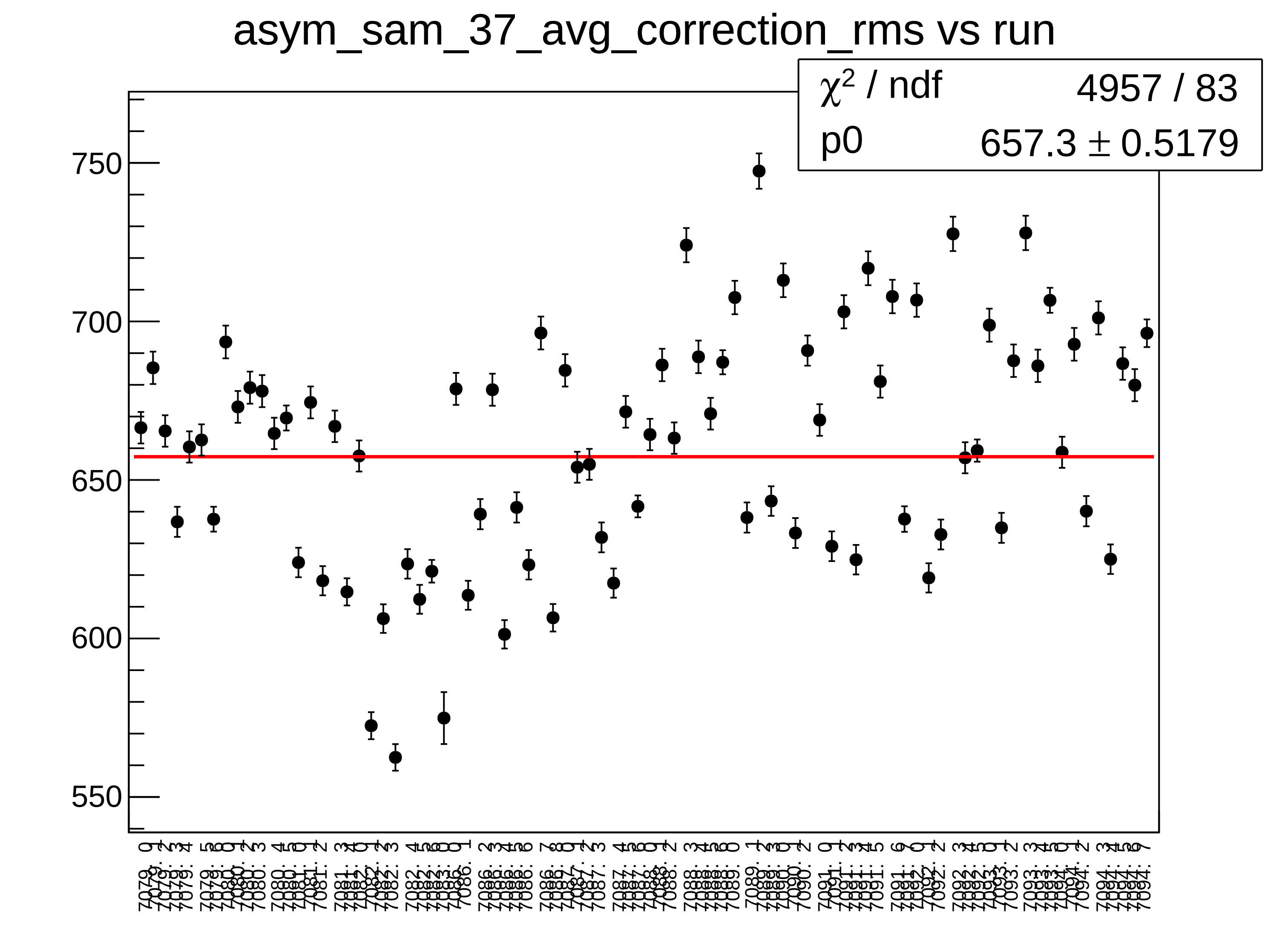
asym_sam_26_avg_rms vs run
χ^2 / ndf 4722 / 83
p0 623.2 ± 0.491
700
680
660
640
620
600
580
560



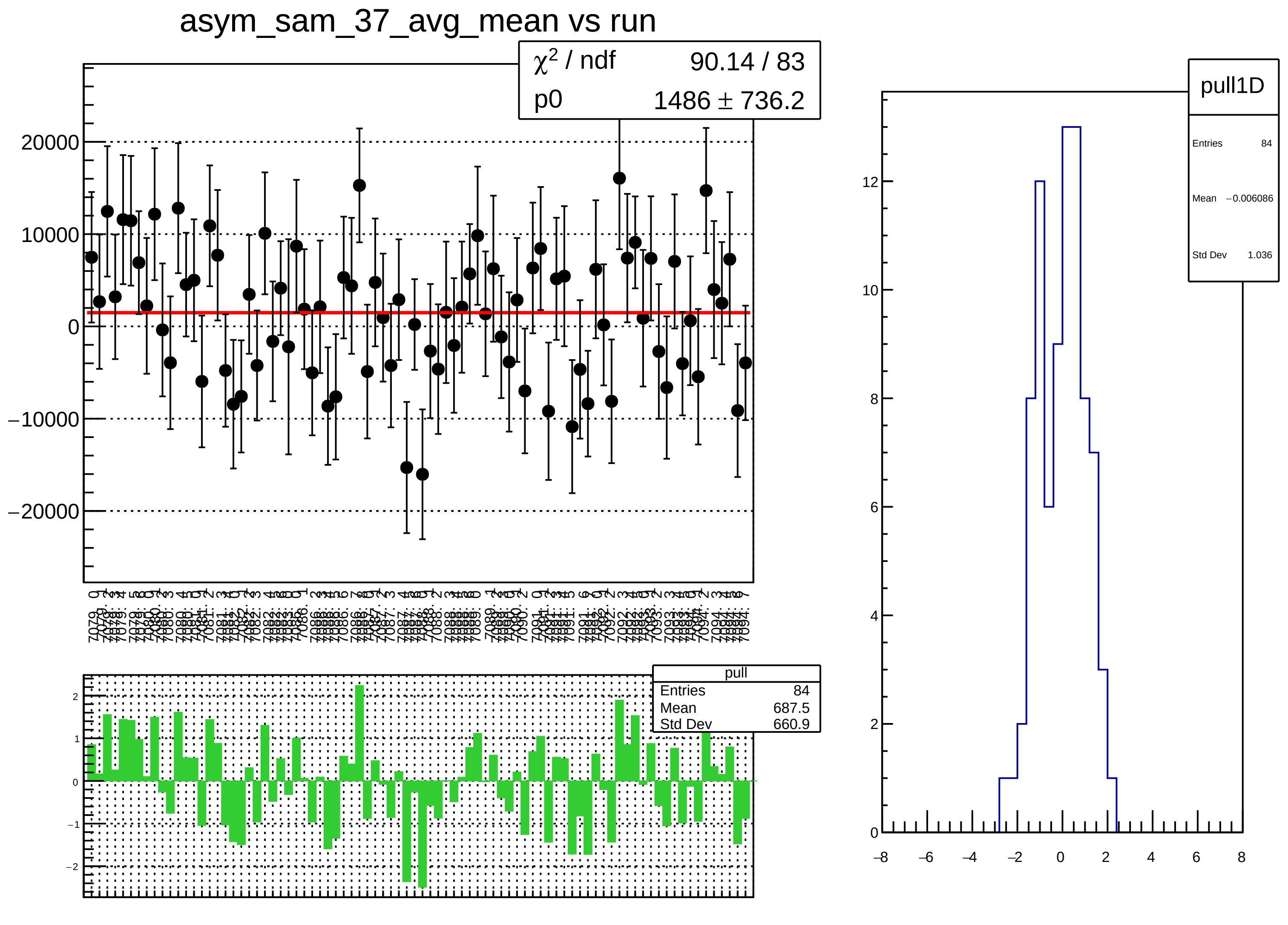
reg_asym_sam_37_avg_mean vs run
χ^2 / ndf 79.78 / 83
p0 96.53 ± 73.4
pull
Entries 84
Mean −54.44
Std Dev 97.34
pull1D
Entries 84
Mean −0.003432
Std Dev 0.9745


reg_asym_sam_37_avg_rms vs run
χ2 / ndf 9575 / 83
p0 65.78 ± 0.0519
85
80
75
70
65
60
55

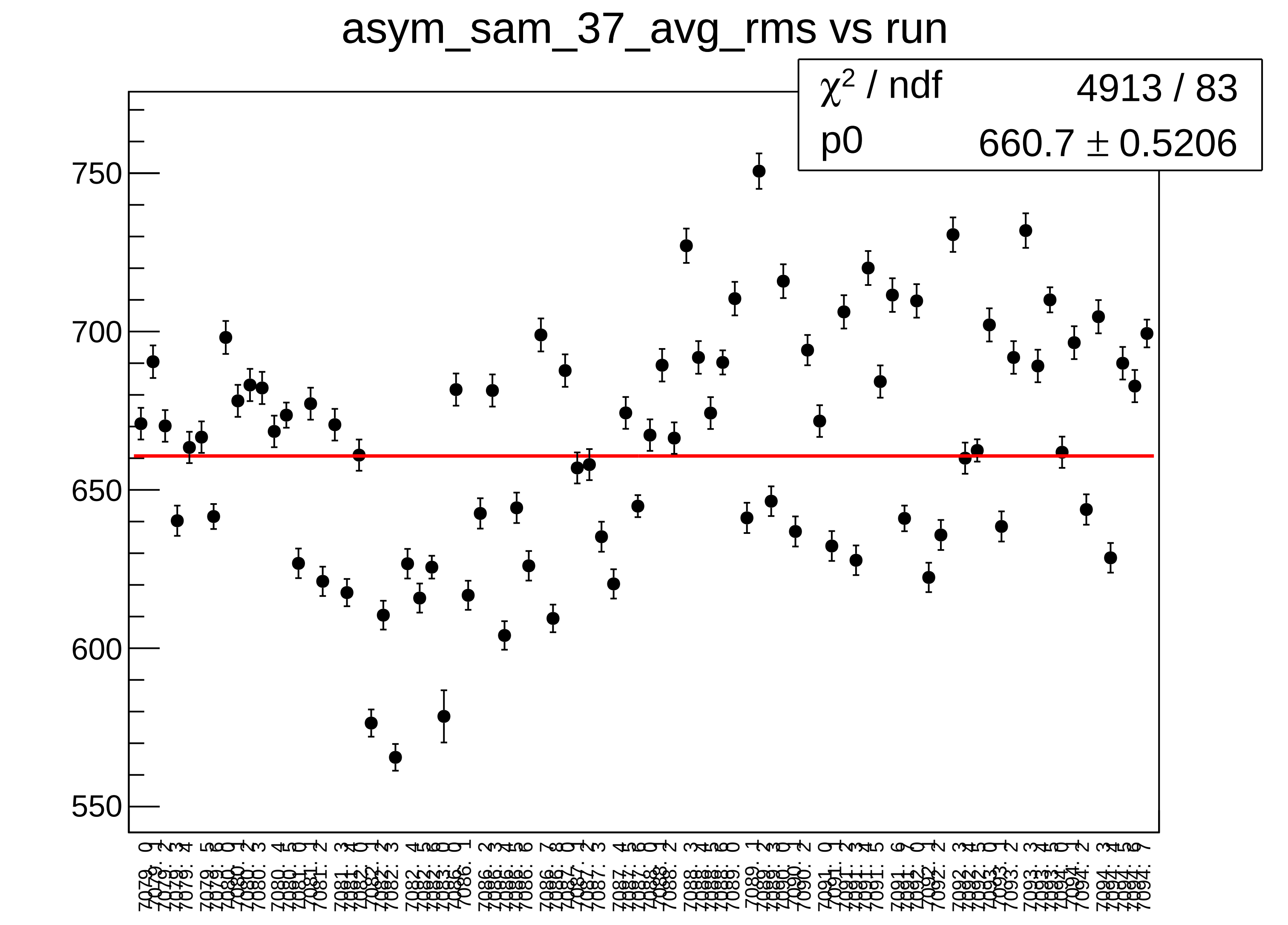

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 93.14 / 83
p0 −1397 ± 732.4
pull
Entries 84
Mean 667.3
Std Dev 640.5
pull1D
Entries 84
Mean 0.006413
Std Dev 1.053

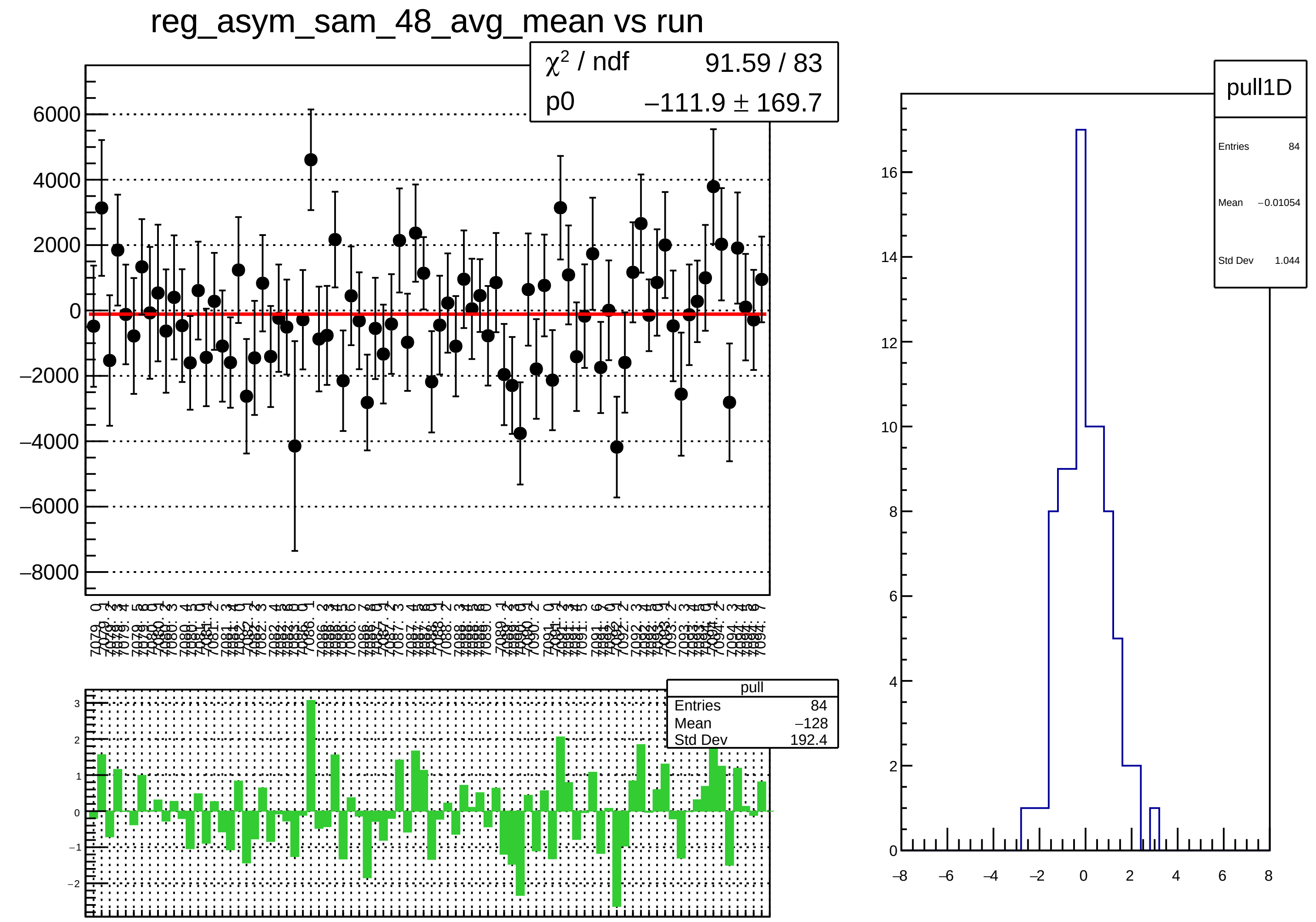


asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 4957 / 83
p0 657.3 ± 0.5179
750
700
650
600
550

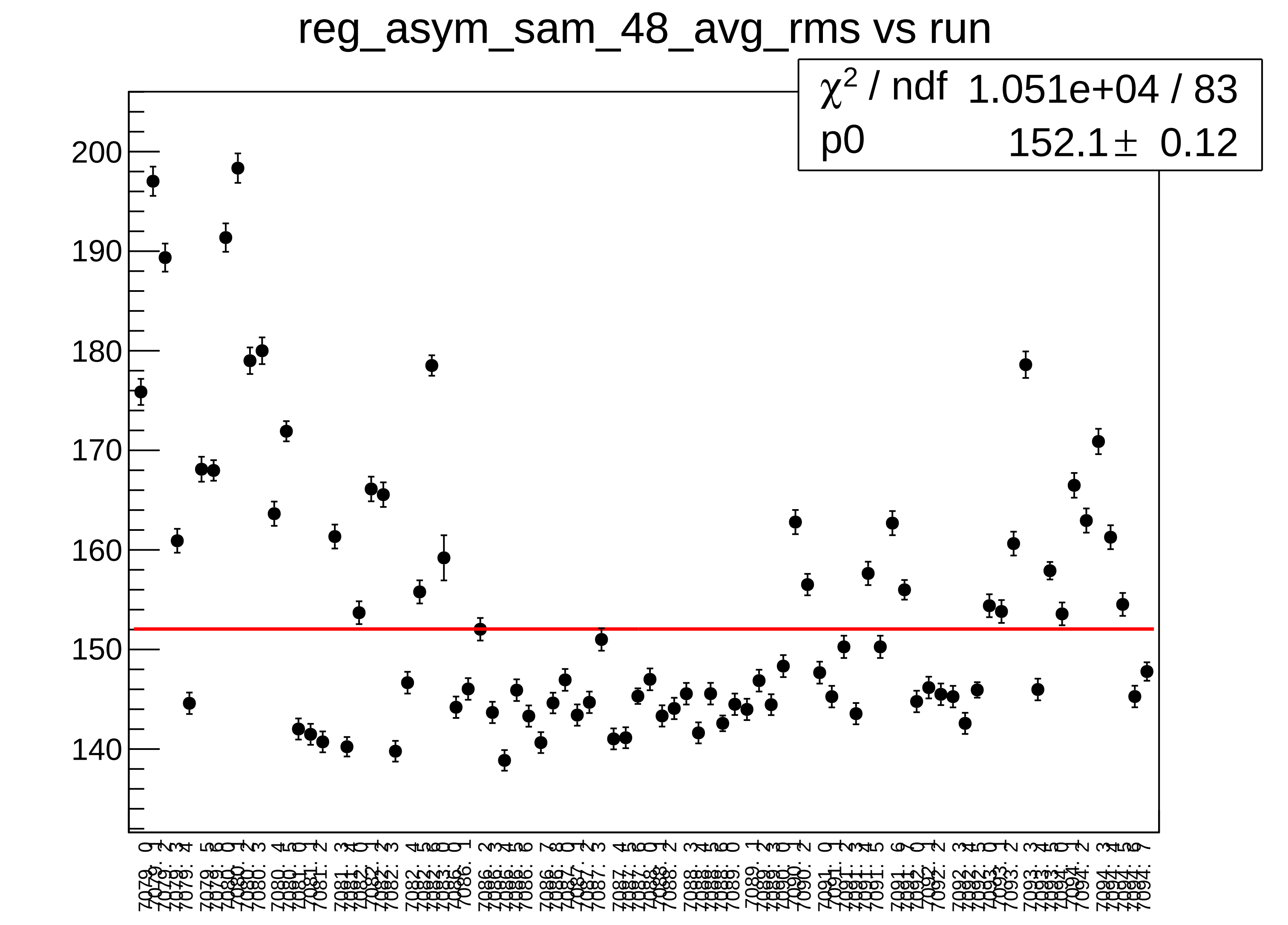


asym_sam_37_avg_mean vs run
χ^2 / ndf 90.14 / 83
p0 1486 ± 736.2
pull
Entries 84
Mean 687.5
Std Dev 660.9
pull1D
Entries 84
Mean −0.006086
Std Dev 1.036

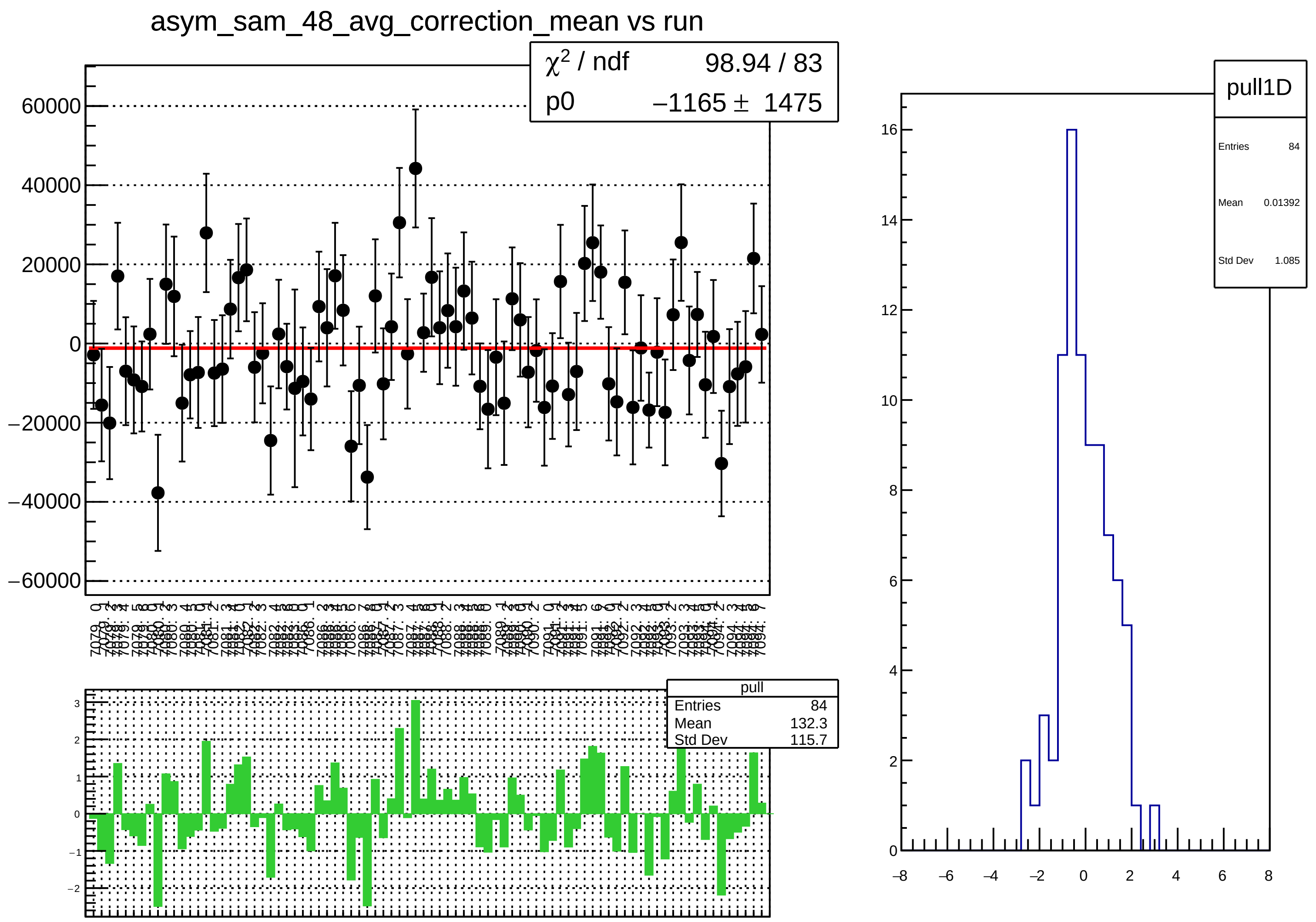

asym_sam_37_avg_rms vs run
χ^2 / ndf 4913 / 83
p0 660.7 ± 0.5206
750
700
650
600
550



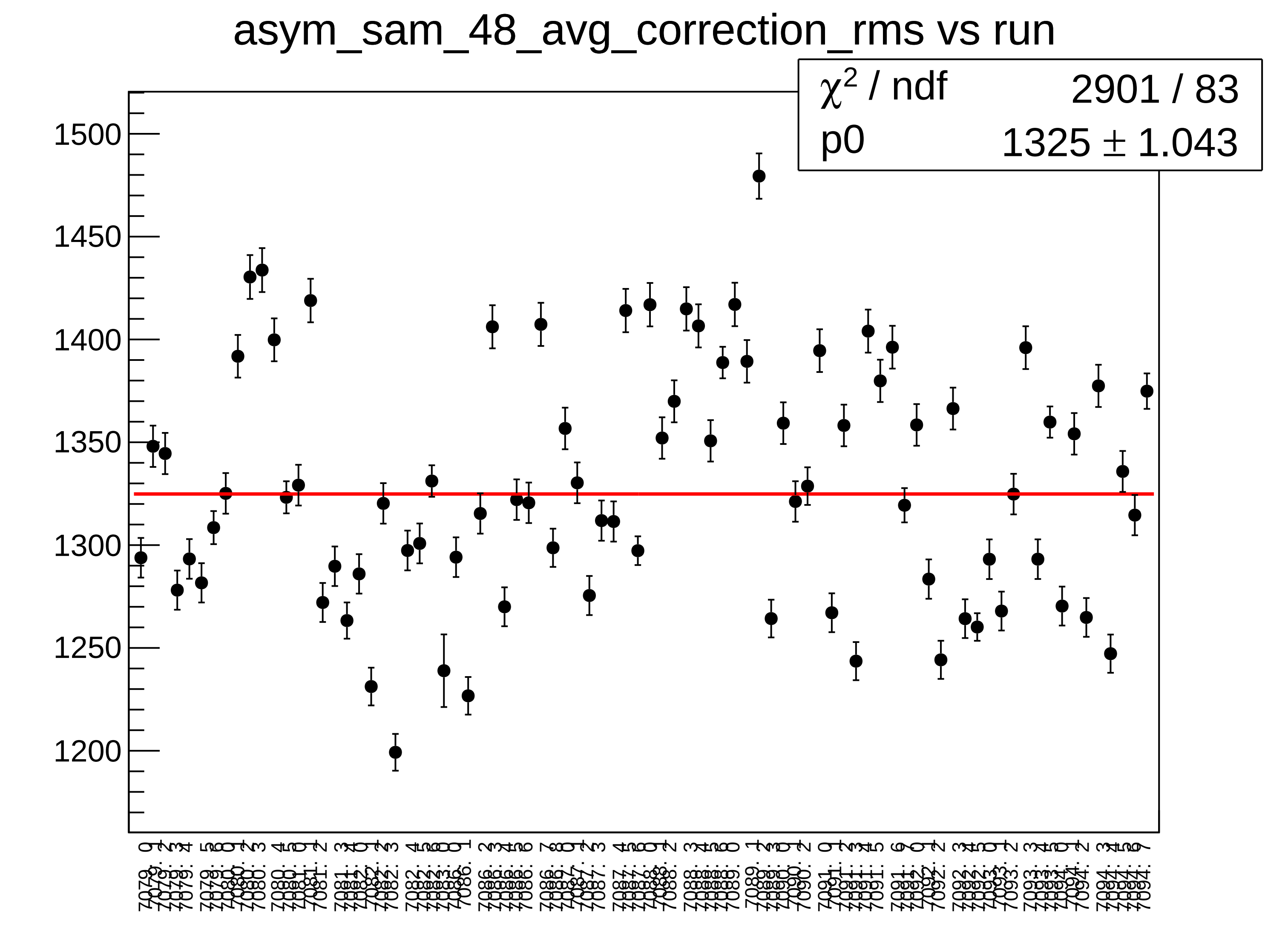
reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 91.59 / 83
p0 −111.9 ± 169.7
pull
Entries 84
Mean −128
Std Dev 192.4
pull1D
Entries 84
Mean −0.01054
Std Dev 1.044

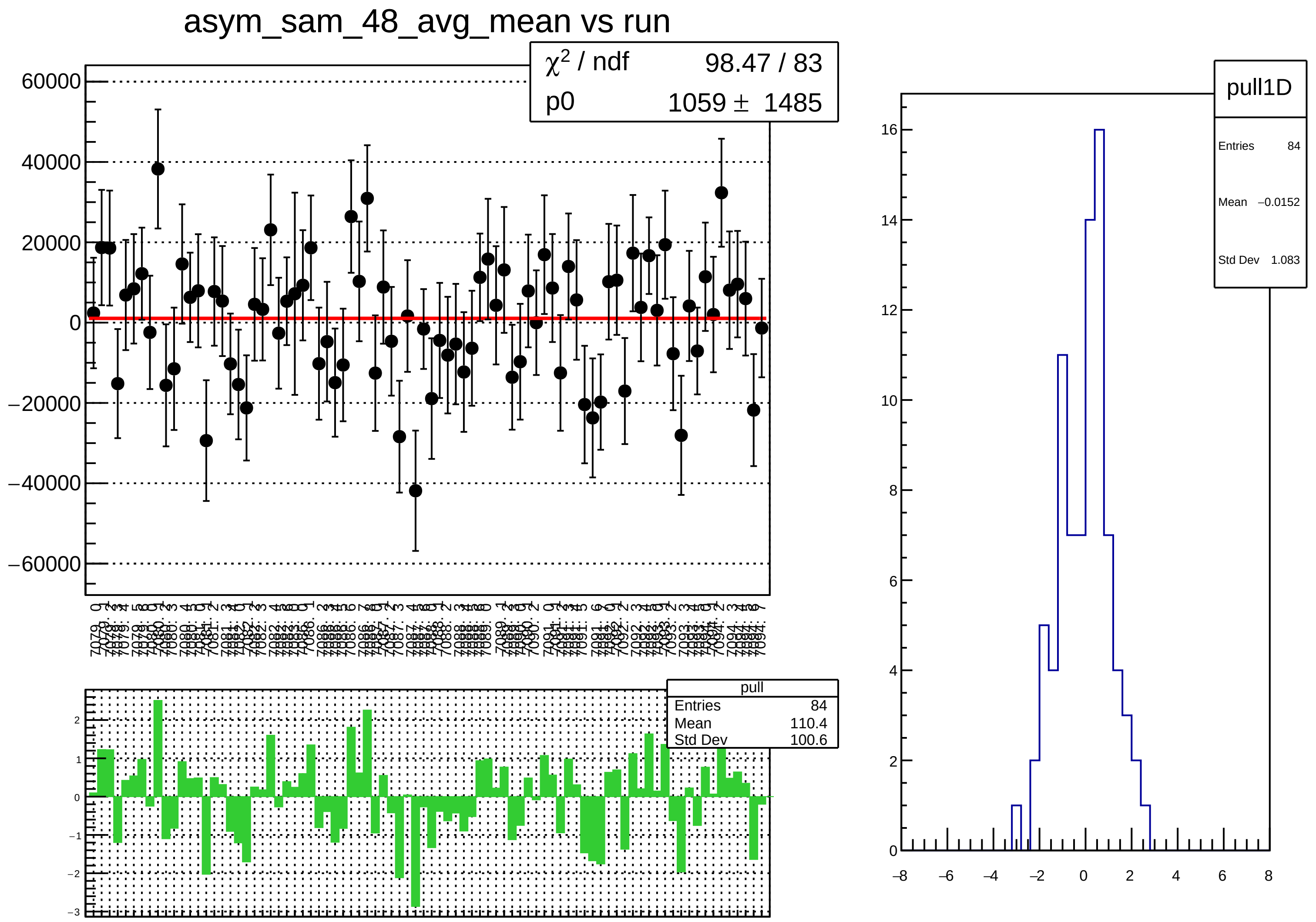


reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.051e+04 / 83
p0 152.1 ± 0.12
200
190
180
170
160
150
140

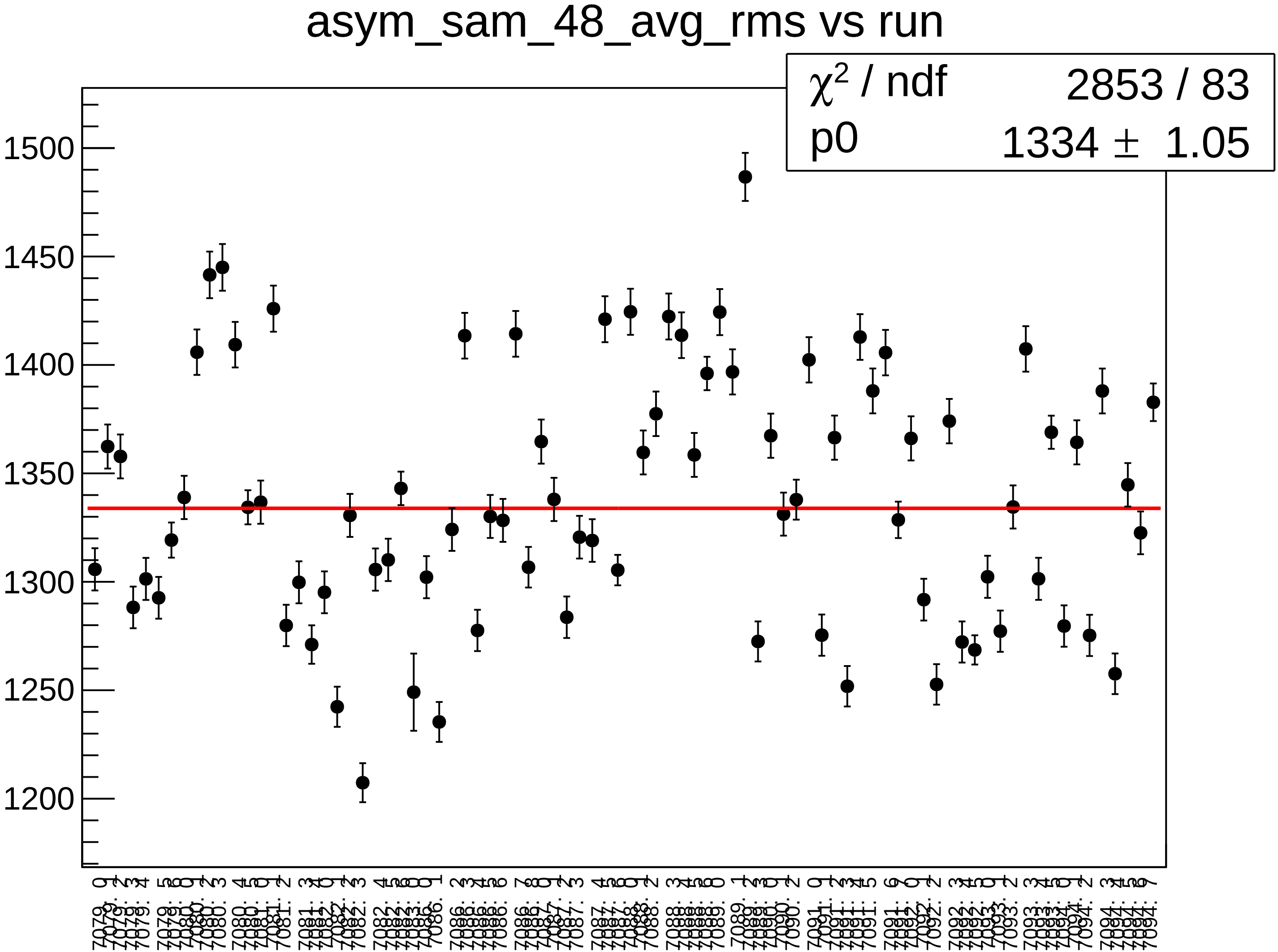


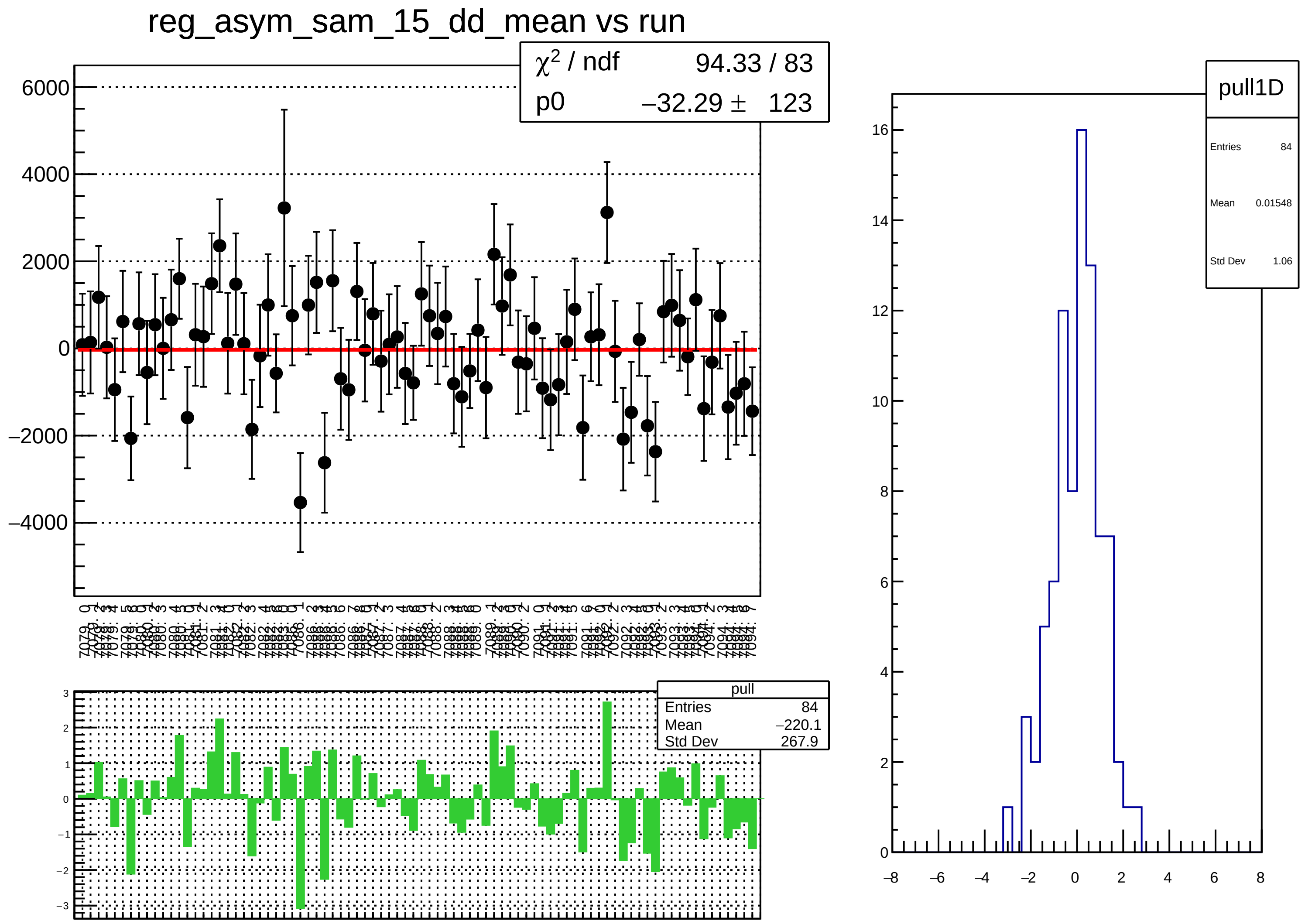
asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 98.94 / 83
p0 −1165 ± 1475
pull
Entries 84
Mean 132.3
Std Dev 115.7
pull1D
Entries 84
Mean 0.01392
Std Dev 1.085


asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 2901 / 83
p0 1325 ± 1.043
1500
1450
1400
1350
1300
1250
1200

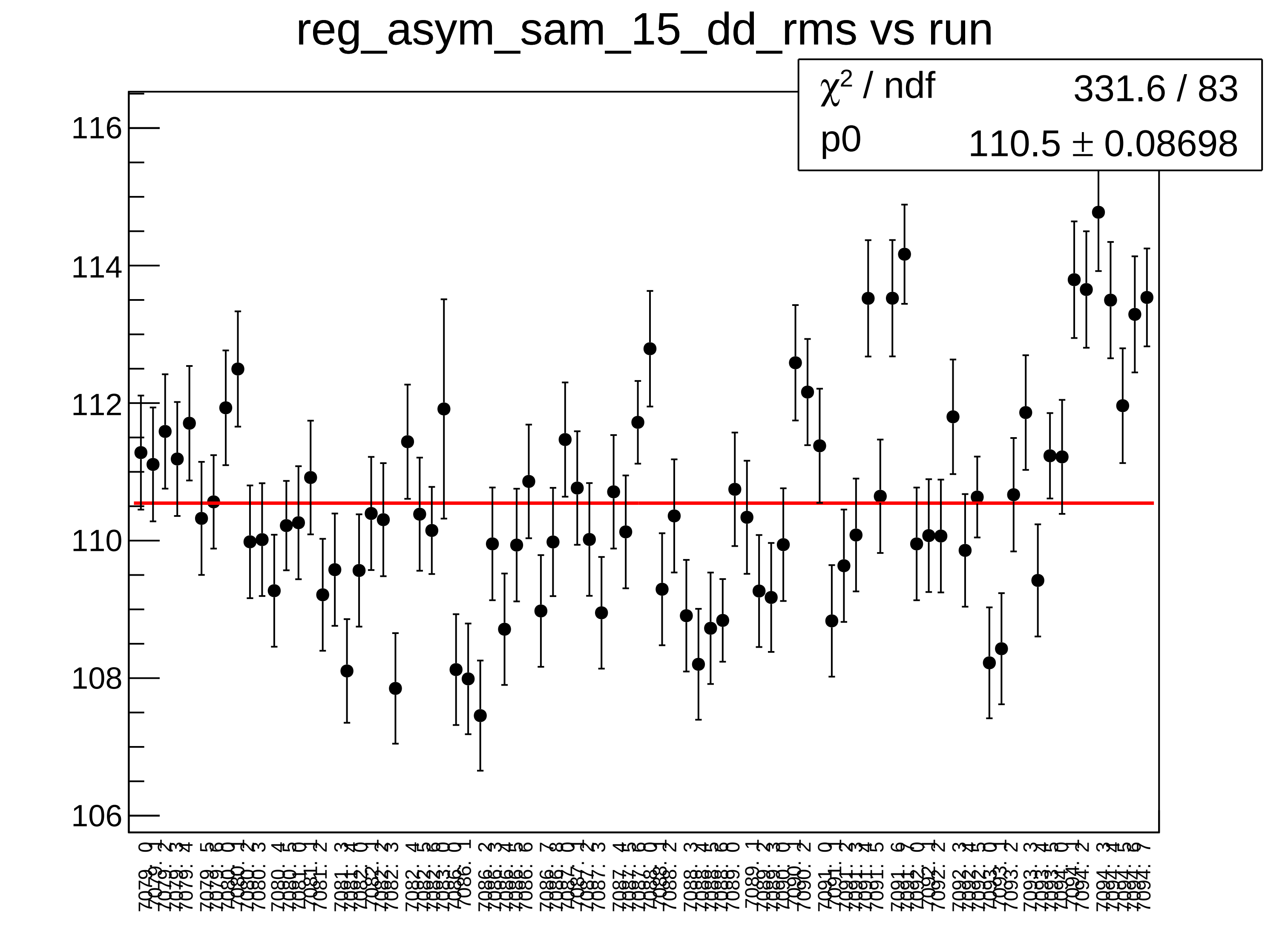


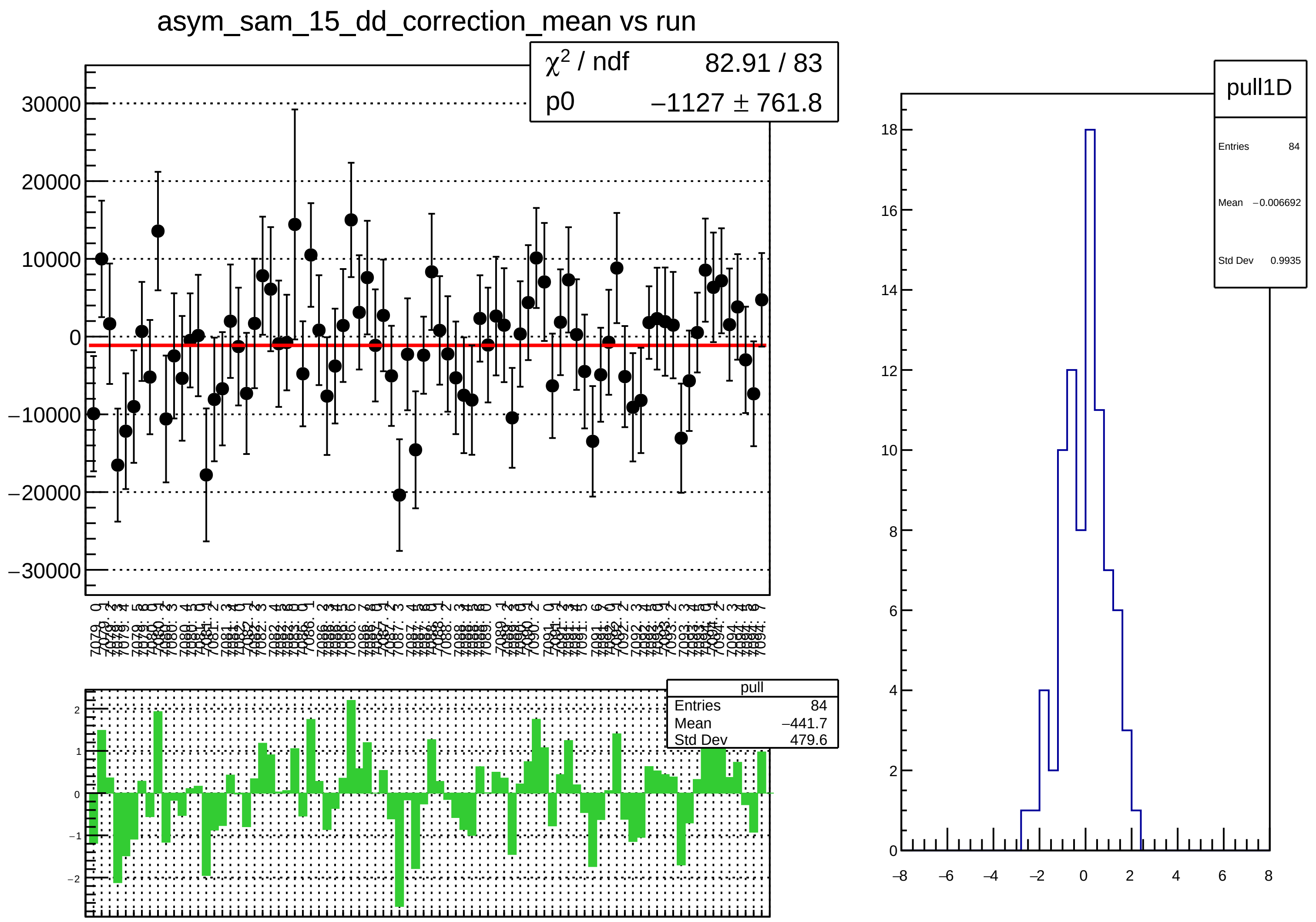
asym_sam_48_avg_mean vs run
χ^2 / ndf 98.47 / 83
p0 1059 ± 1485
pull
Entries 84
Mean 110.4
Std Dev 100.6
pull1D
Entries 84
Mean −0.0152
Std Dev 1.083

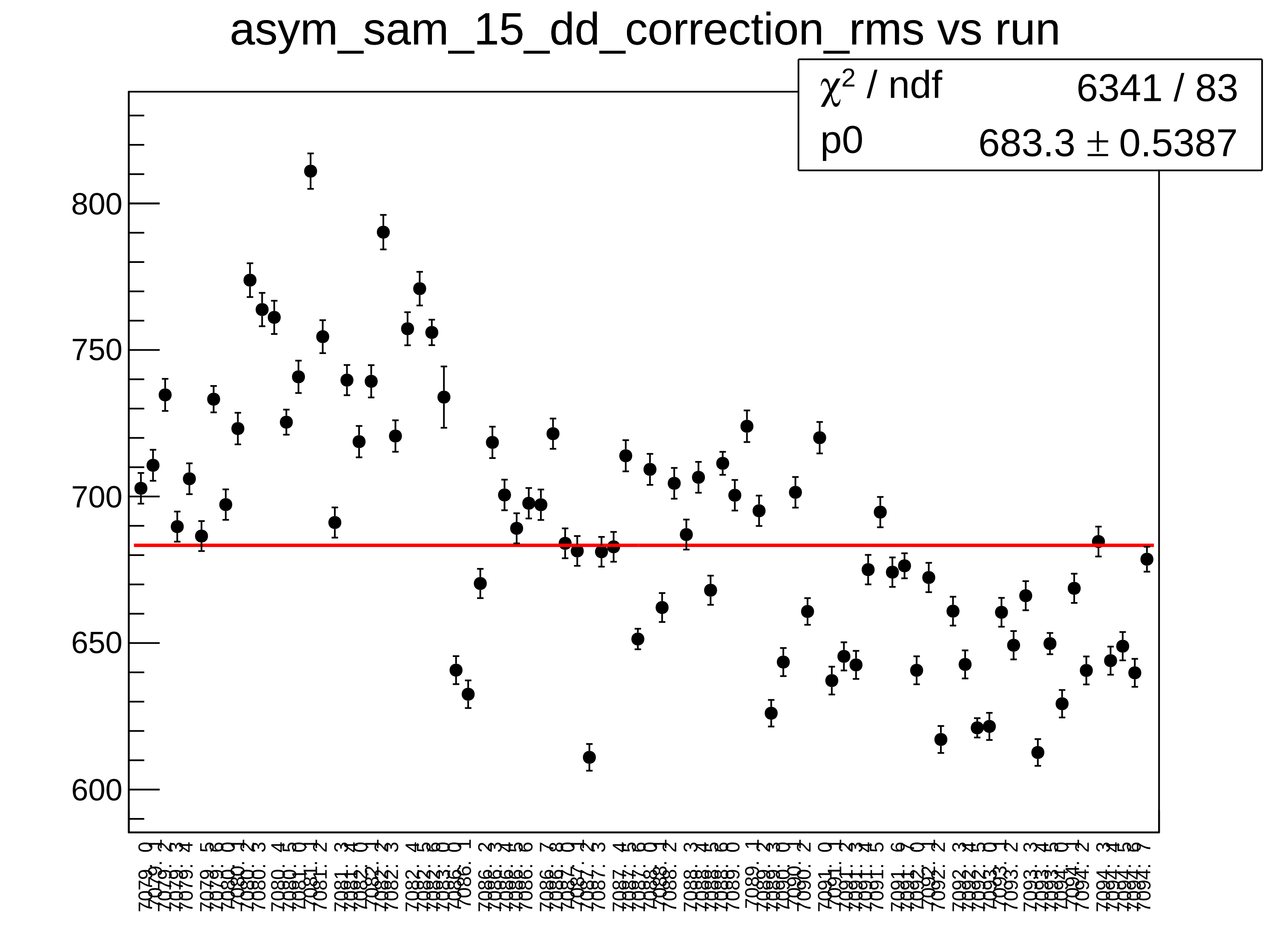

asym_sam_48_avg_rms vs run
χ^2 / ndf 2853 / 83
p0 1334 ± 1.05
1500
1450
1400
1350
1300
1250
1200



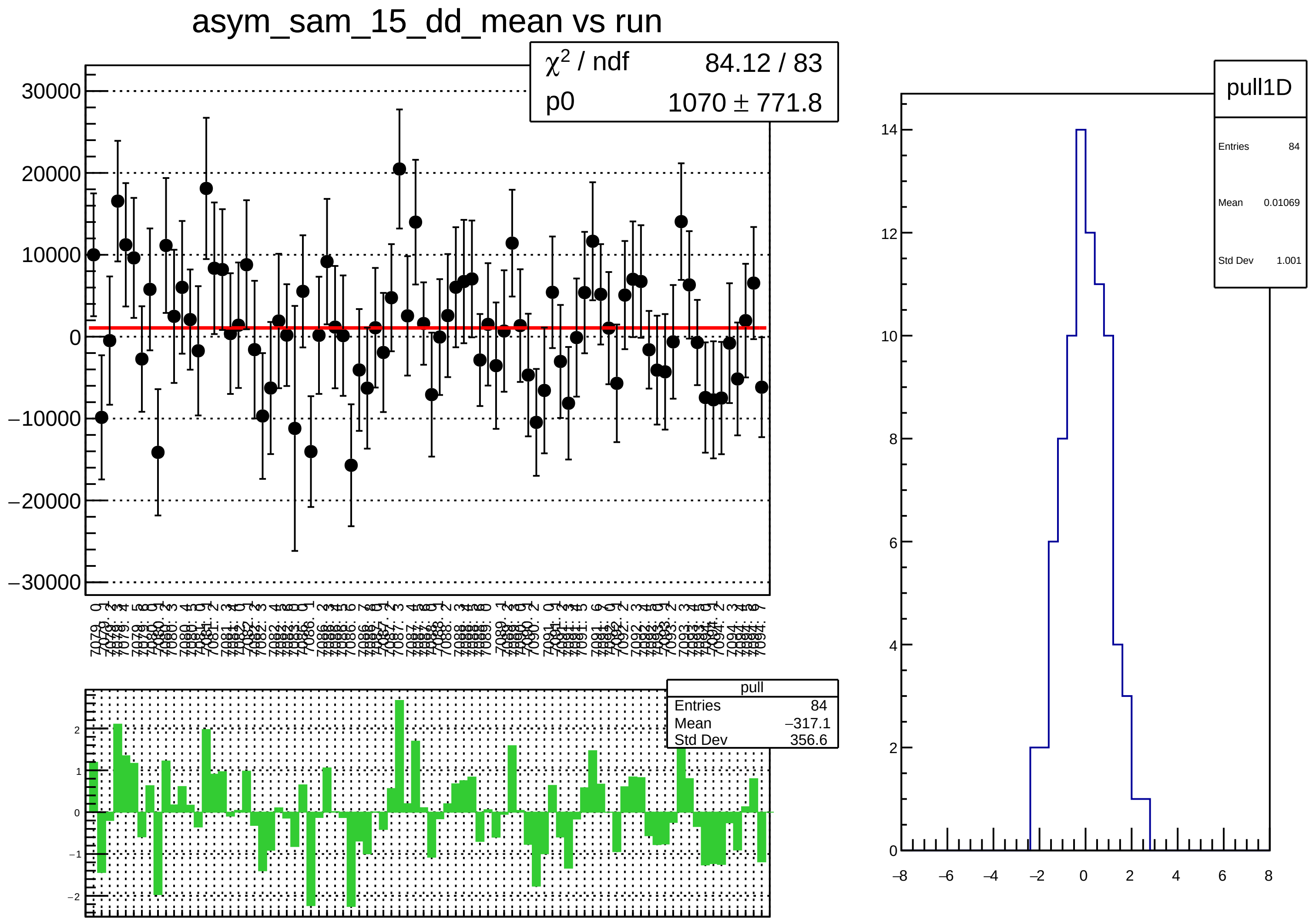
reg_asym_sam_15_dd_mean vs run
χ^2 / ndf 94.33 / 83
p0 −32.29 ± 123
pull
Entries 84
Mean −220.1
Std Dev 267.9
pull1D
Entries 84
Mean 0.01548
Std Dev 1.06

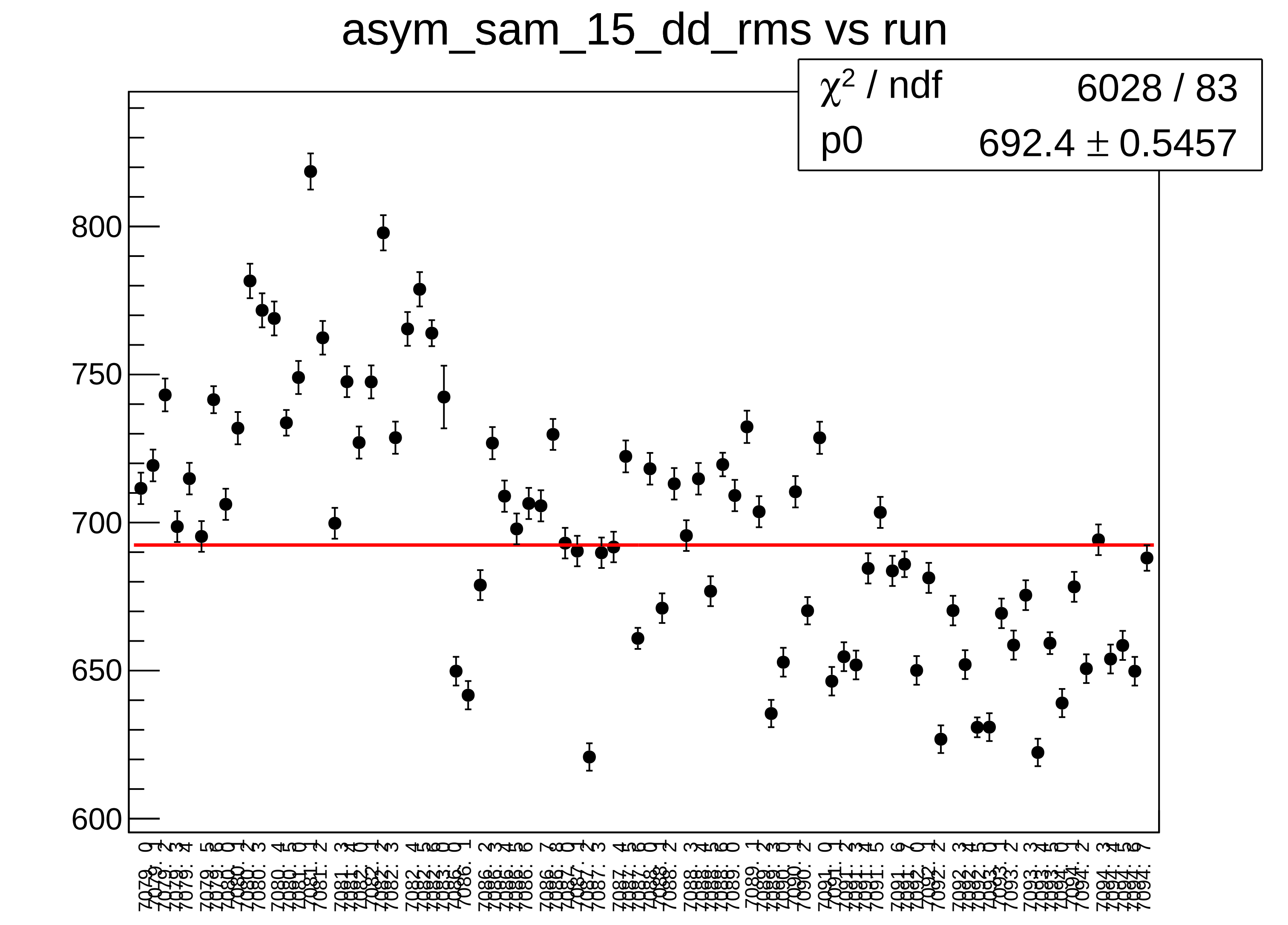

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 331.6 / 83
p0 110.5 ± 0.08698
116
114
112
110
108
106


asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 82.91 / 83
p0 −1127 ± 761.8
pull
Entries 84
Mean −441.7
Std Dev 479.6
pull1D
Entries 84
Mean −0.006692
Std Dev 0.9935

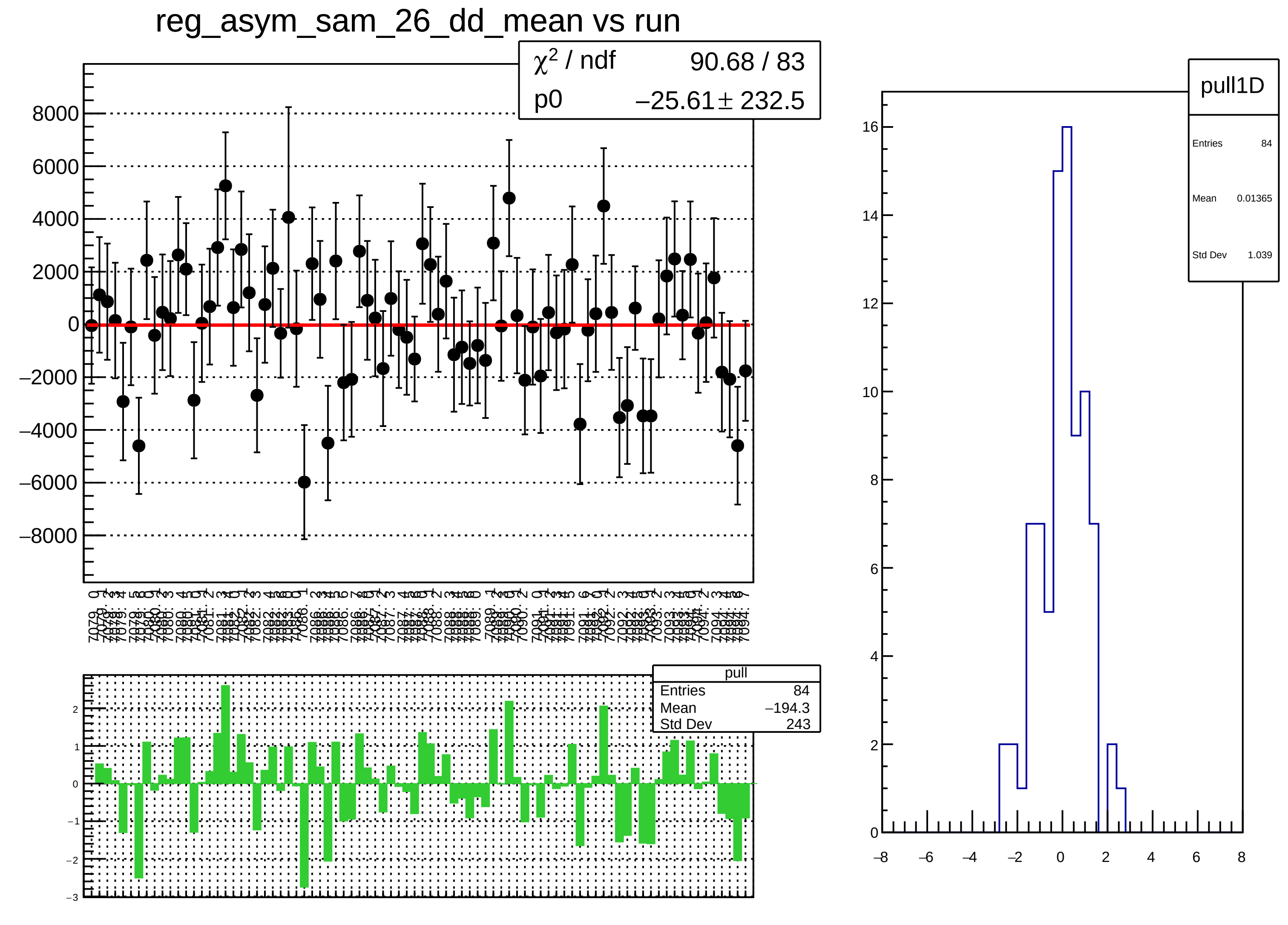


asym_sam_15_dd_correction_rms vs run
χ2 / ndf 6341 / 83
p0 683.3 ± 0.5387
800
750
700
650
600

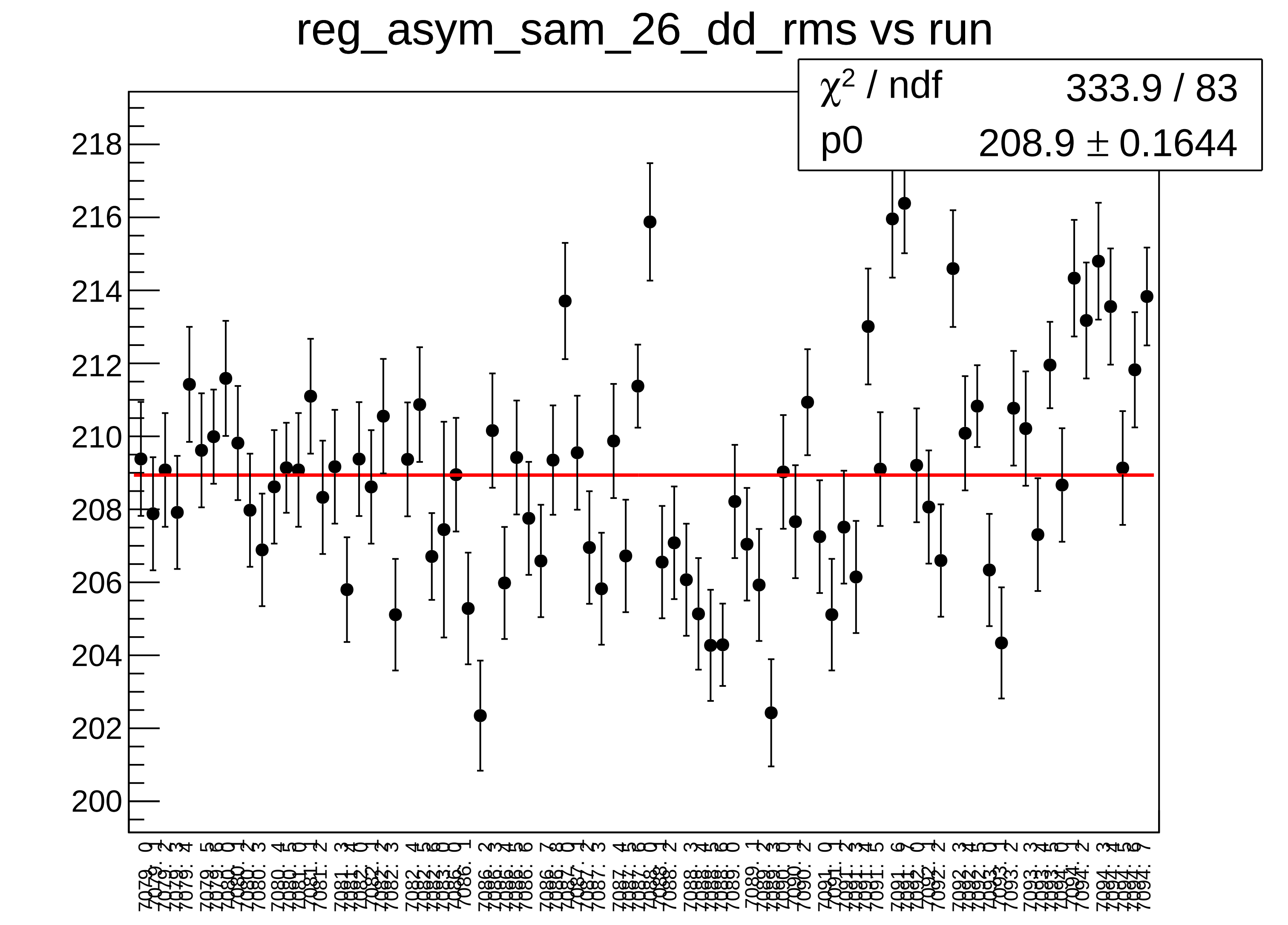

asym_sam_15_dd_mean vs run
χ^2 / ndf 84.12 / 83
p0 1070 ± 771.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −317.1
Std Dev 356.6
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.01069
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

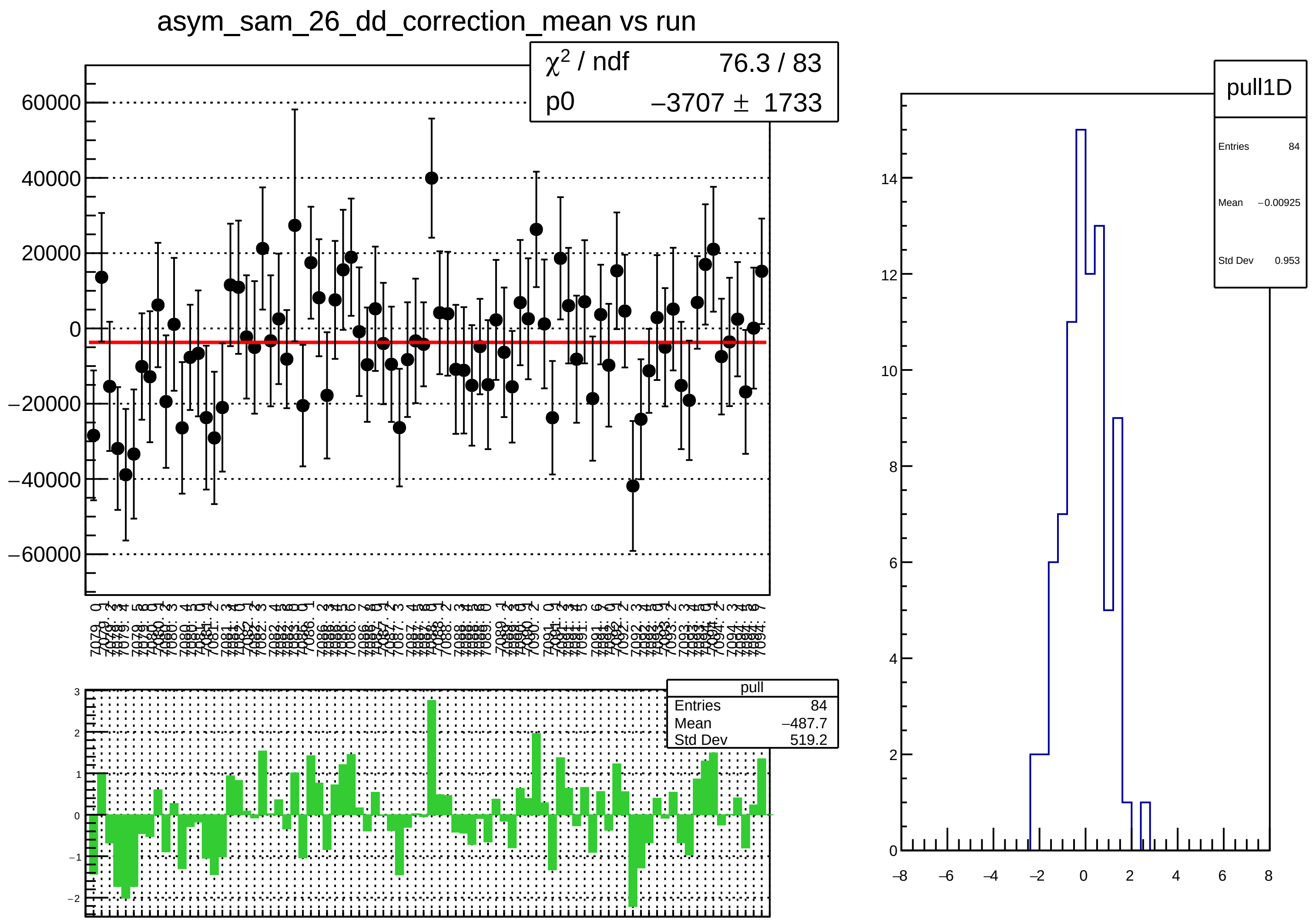


asym_sam_15_dd_rms vs run
χ^2 / ndf 6028 / 83
p0 692.4 ± 0.5457
800
750
700
650
600

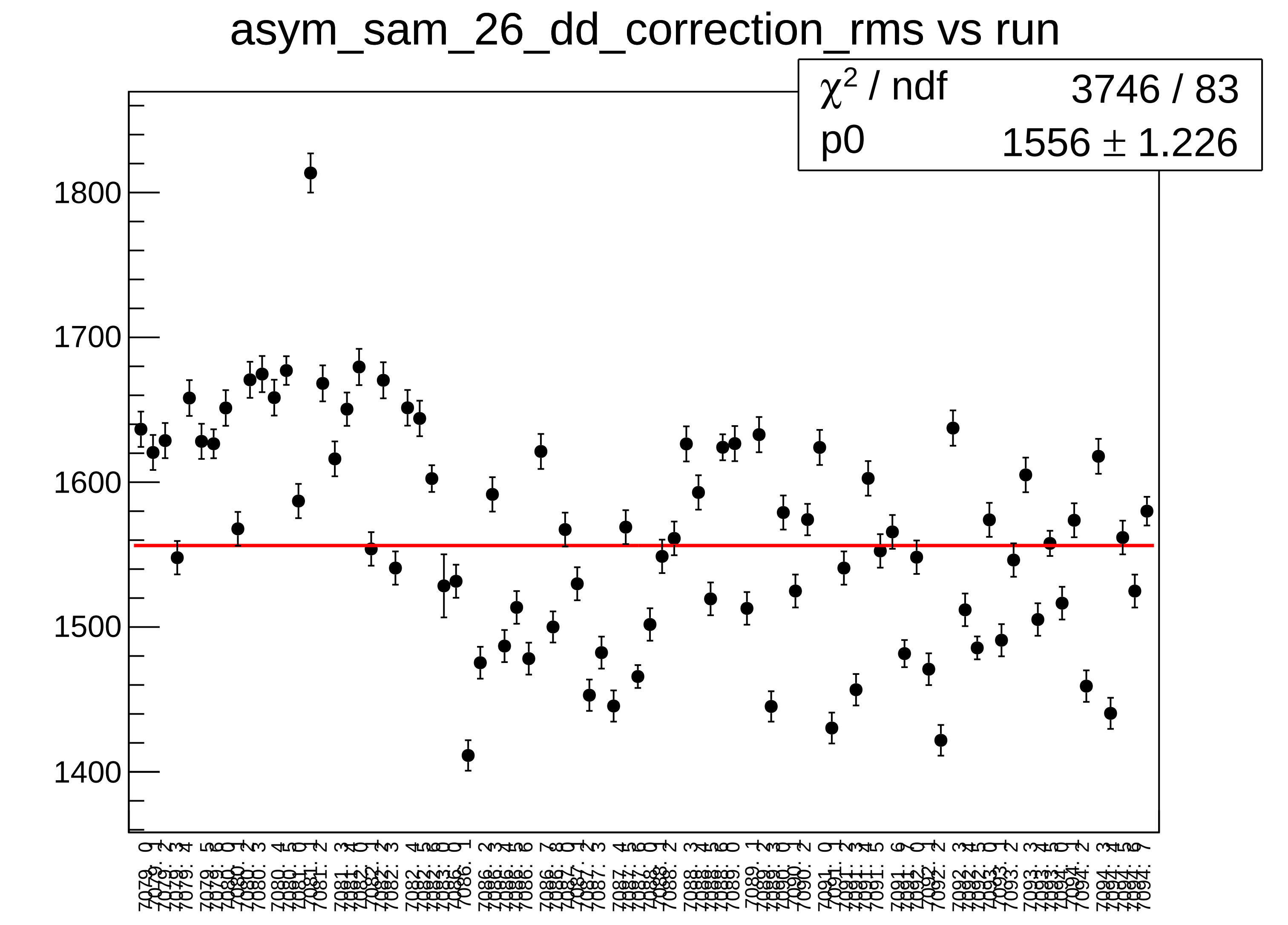


reg_asym_sam_26_dd_mean vs run
χ2 / ndf 90.68 / 83
p0 −25.61 ± 232.5
pull
Entries 84
Mean −194.3
Std Dev 243
pull1D
Entries 84
Mean 0.01365
Std Dev 1.039

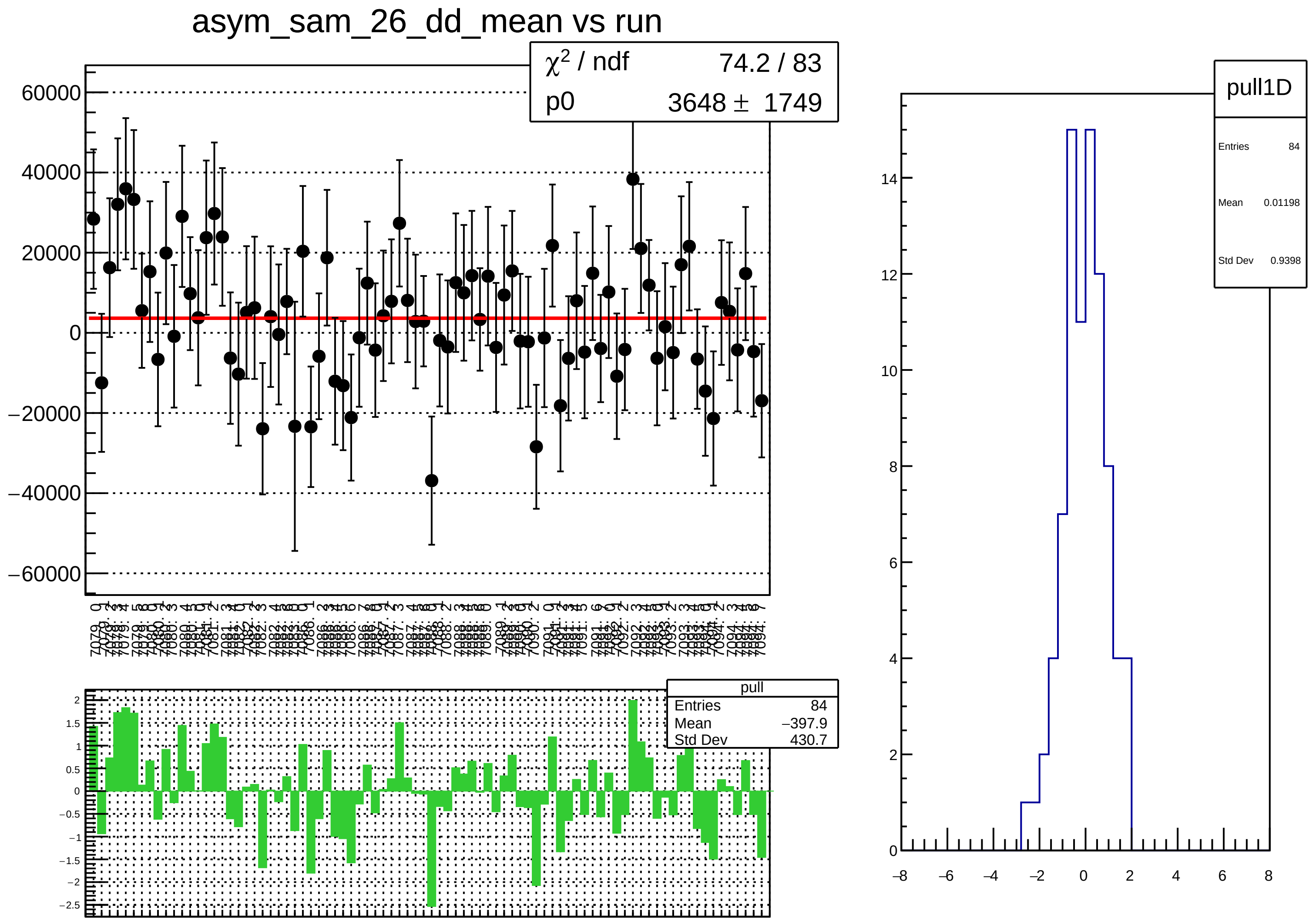

reg_asym_sam_26_dd_rms vs run
χ2 / ndf 333.9 / 83
p0 208.9 ± 0.1644
218
216
214
212
210
208
206
204
202
200

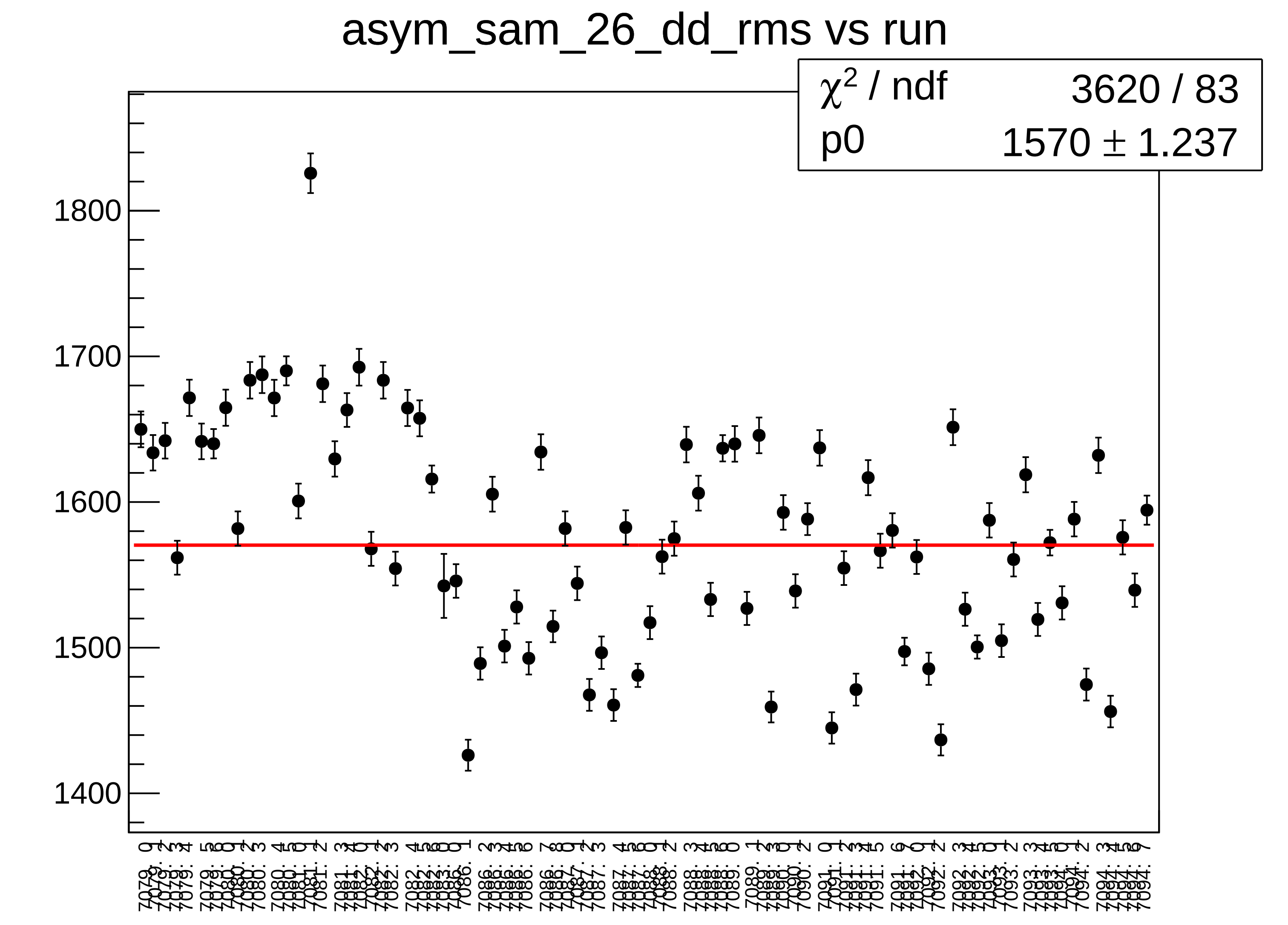


asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 76.3 / 83
p0 −3707 ± 1733
pull
Entries 84
Mean −487.7
Std Dev 519.2
pull1D
Entries 84
Mean −0.00925
Std Dev 0.953

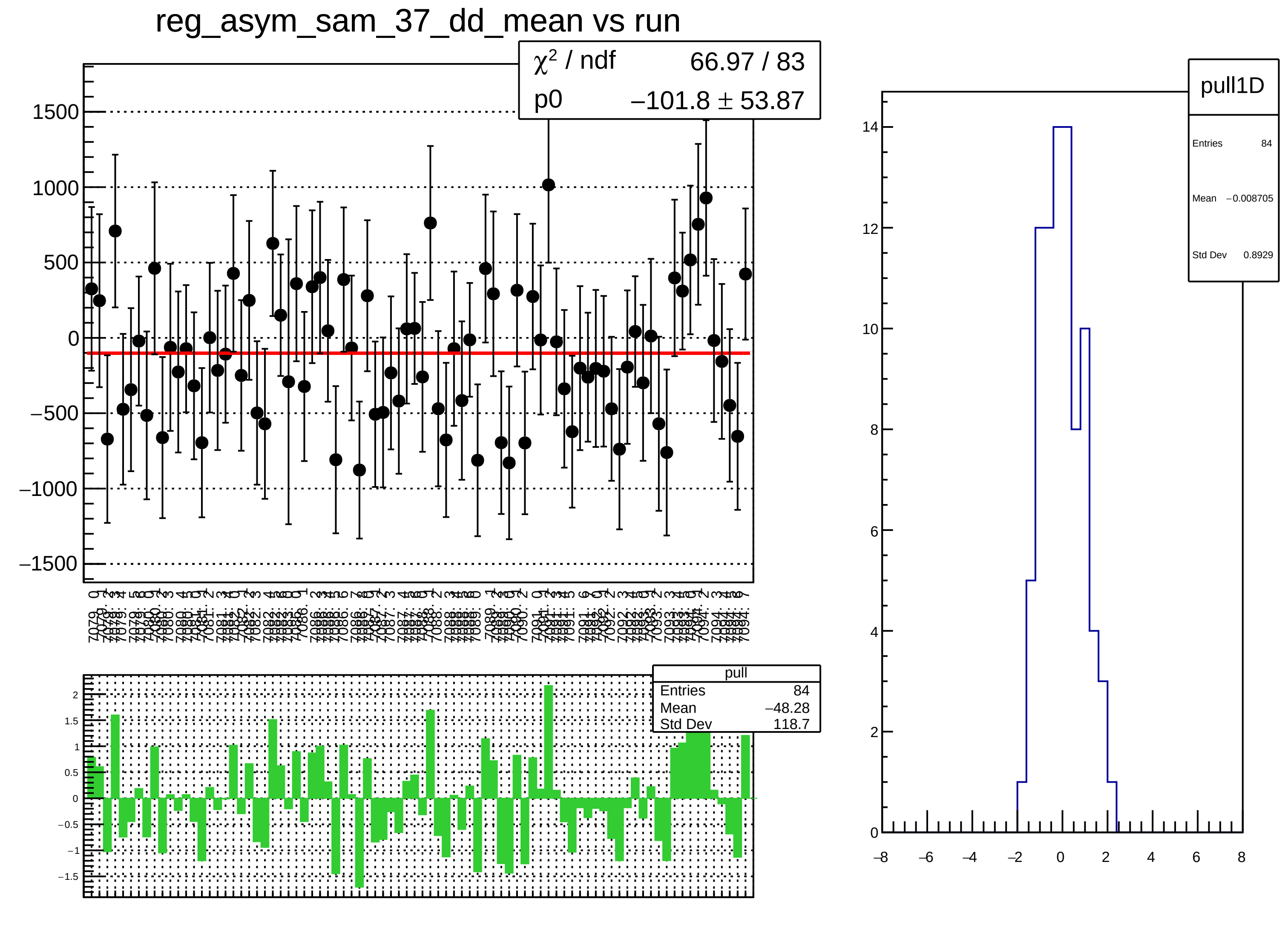


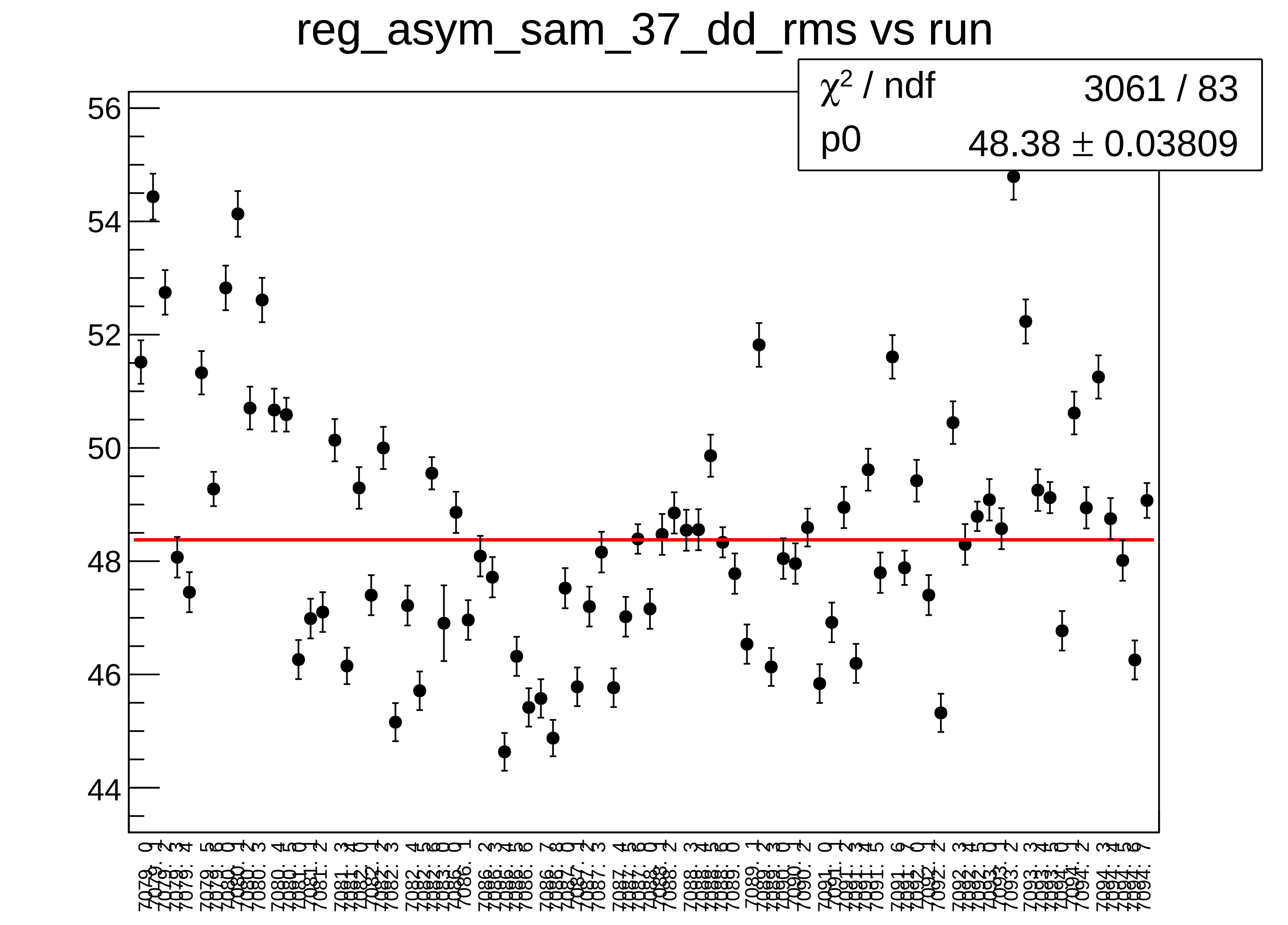
asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 3746 / 83
p0 1556 ± 1.226
1800
1700
1600
1500
1400


asym_sam_26_dd_mean vs run
χ^2 / ndf 74.2 / 83
p0 3648 ± 1749
pull
Entries 84
Mean −397.9
Std Dev 430.7
pull1D
Entries 84
Mean 0.01198
Std Dev 0.9398



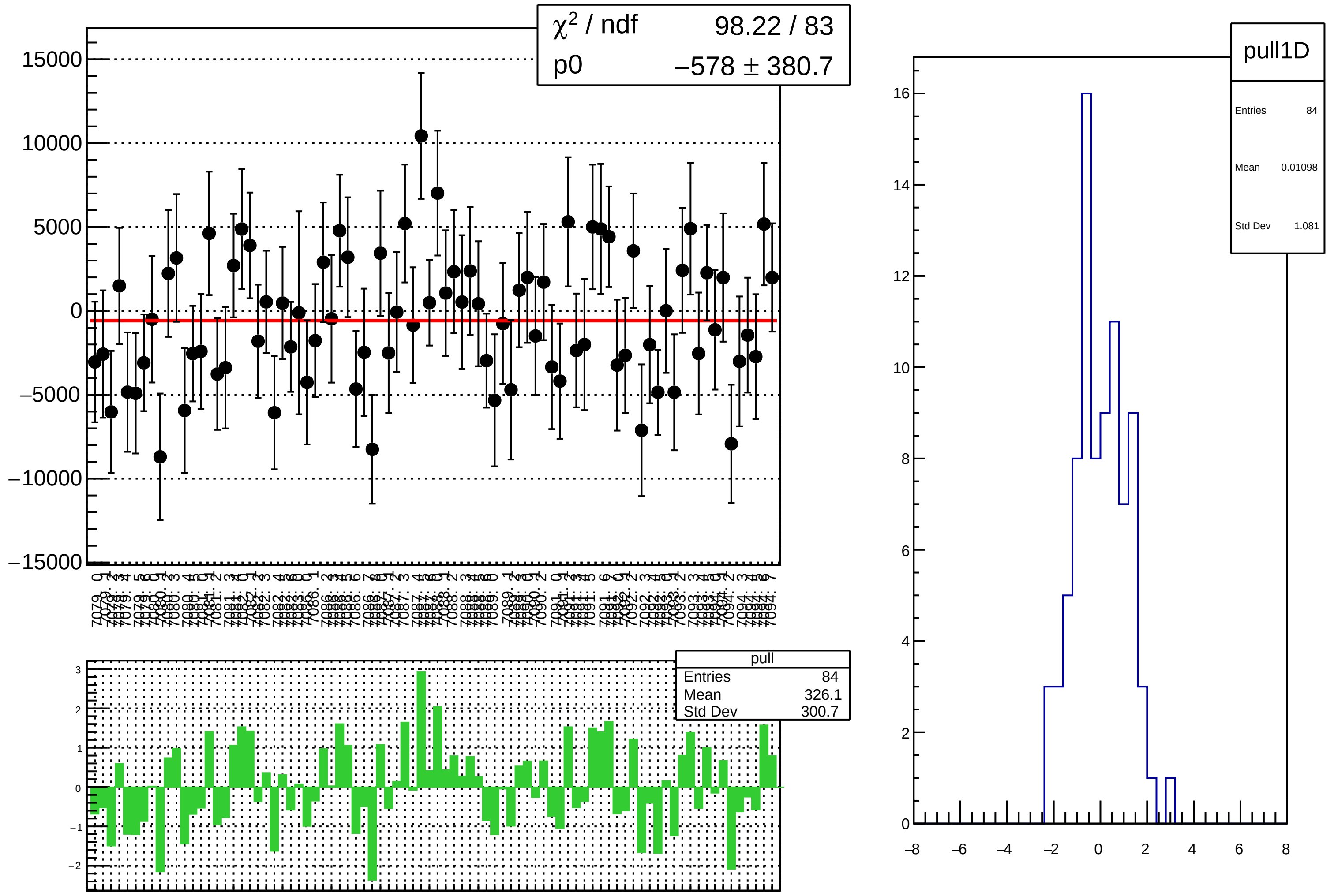
asym_sam_26_dd_rms vs run
χ2 / ndf 3620 / 83
p0 1570 ± 1.237
1800
1700
1600
1500
1400


reg_asym_sam_37_dd_mean vs run
χ^2 / ndf 66.97 / 83
p0 −101.8 ± 53.87
pull
Entries 84
Mean −48.28
Std Dev 118.7
pull1D
Entries 84
Mean −0.008705
Std Dev 0.8929

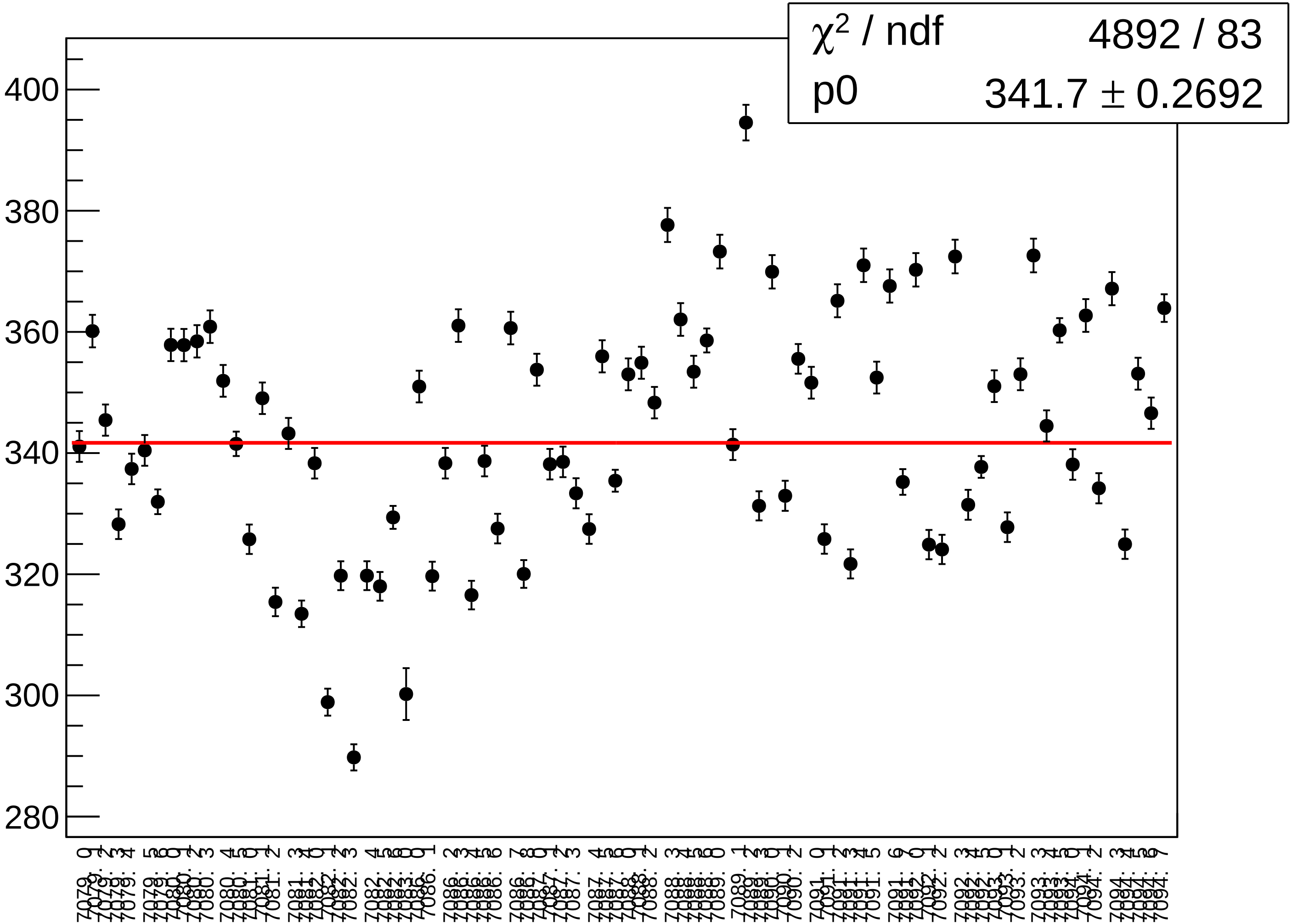


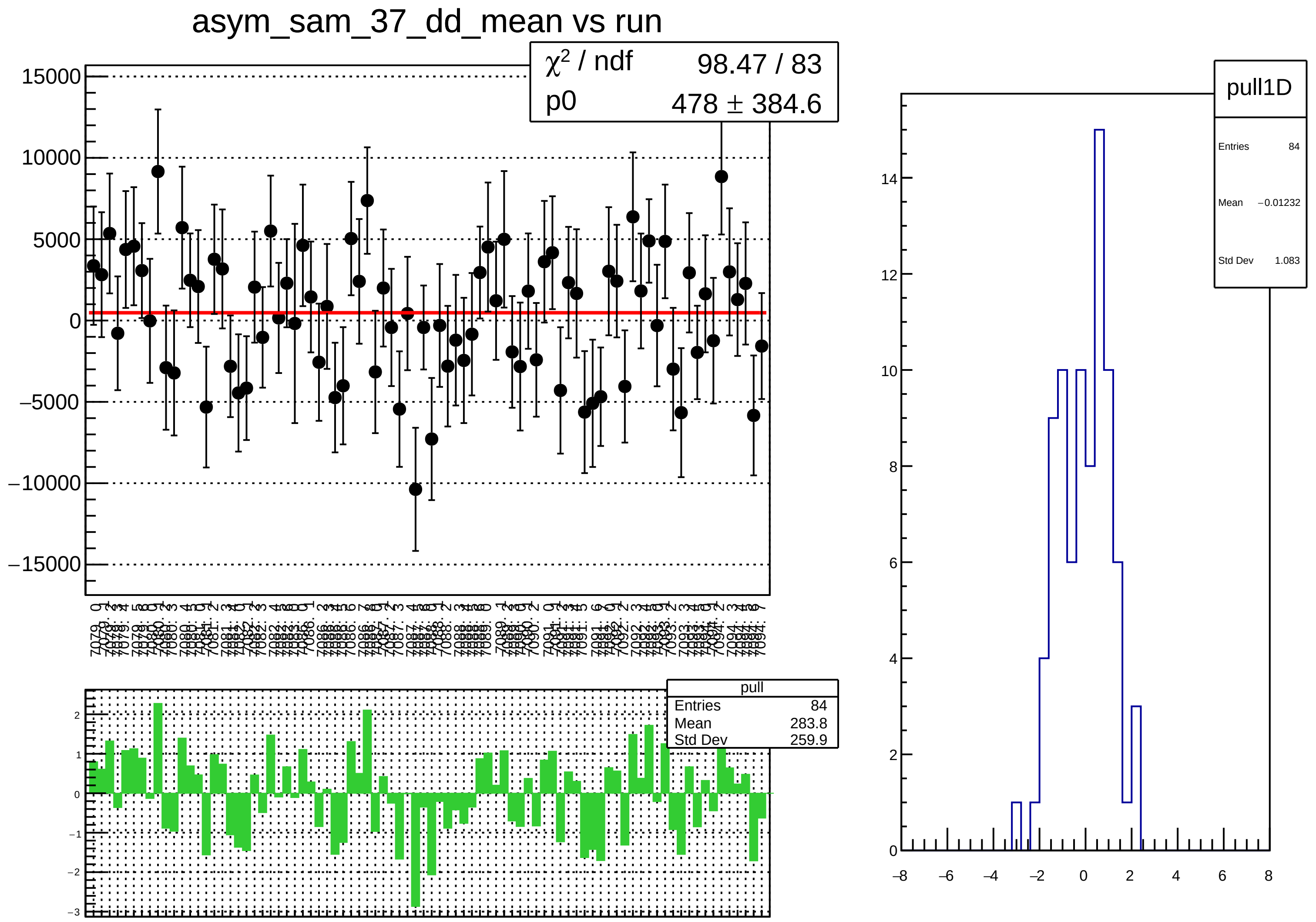
reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 3061 / 83
p0 48.38 ± 0.03809
56
54
52
50
48
46
44

asym_sam_37_dd_correction_mean vs run

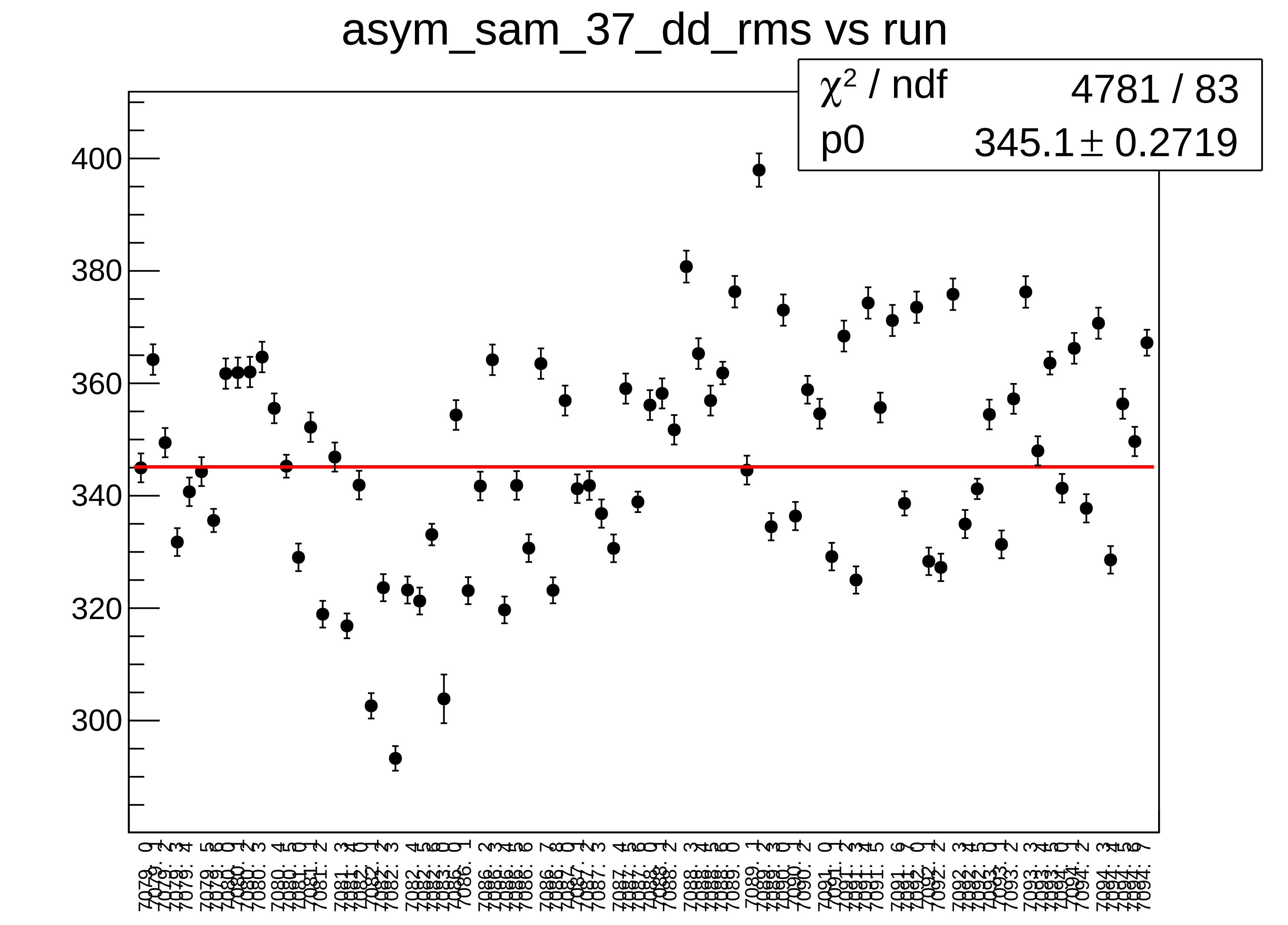


asym_sam_37_dd_correction_rms vs run

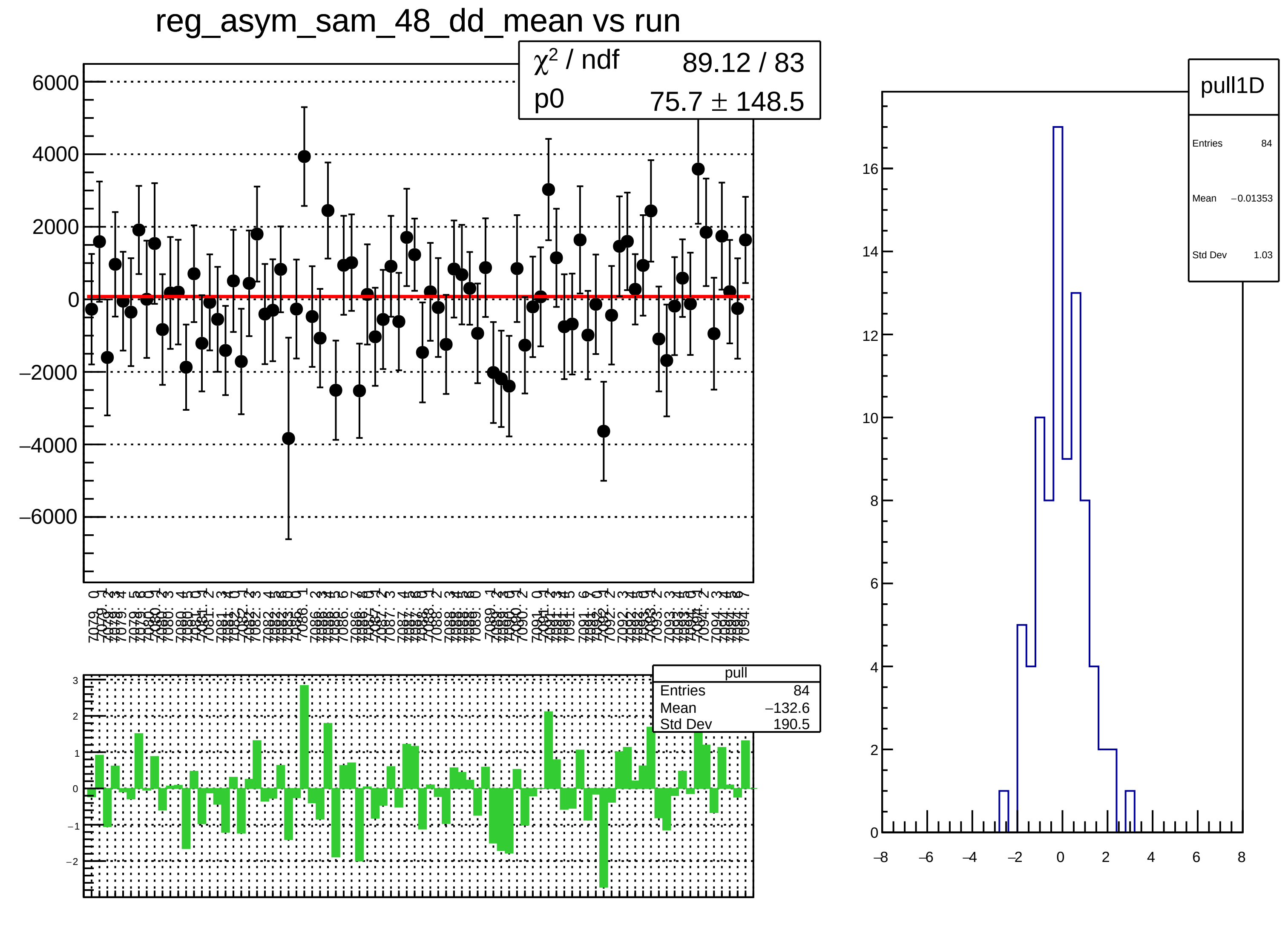


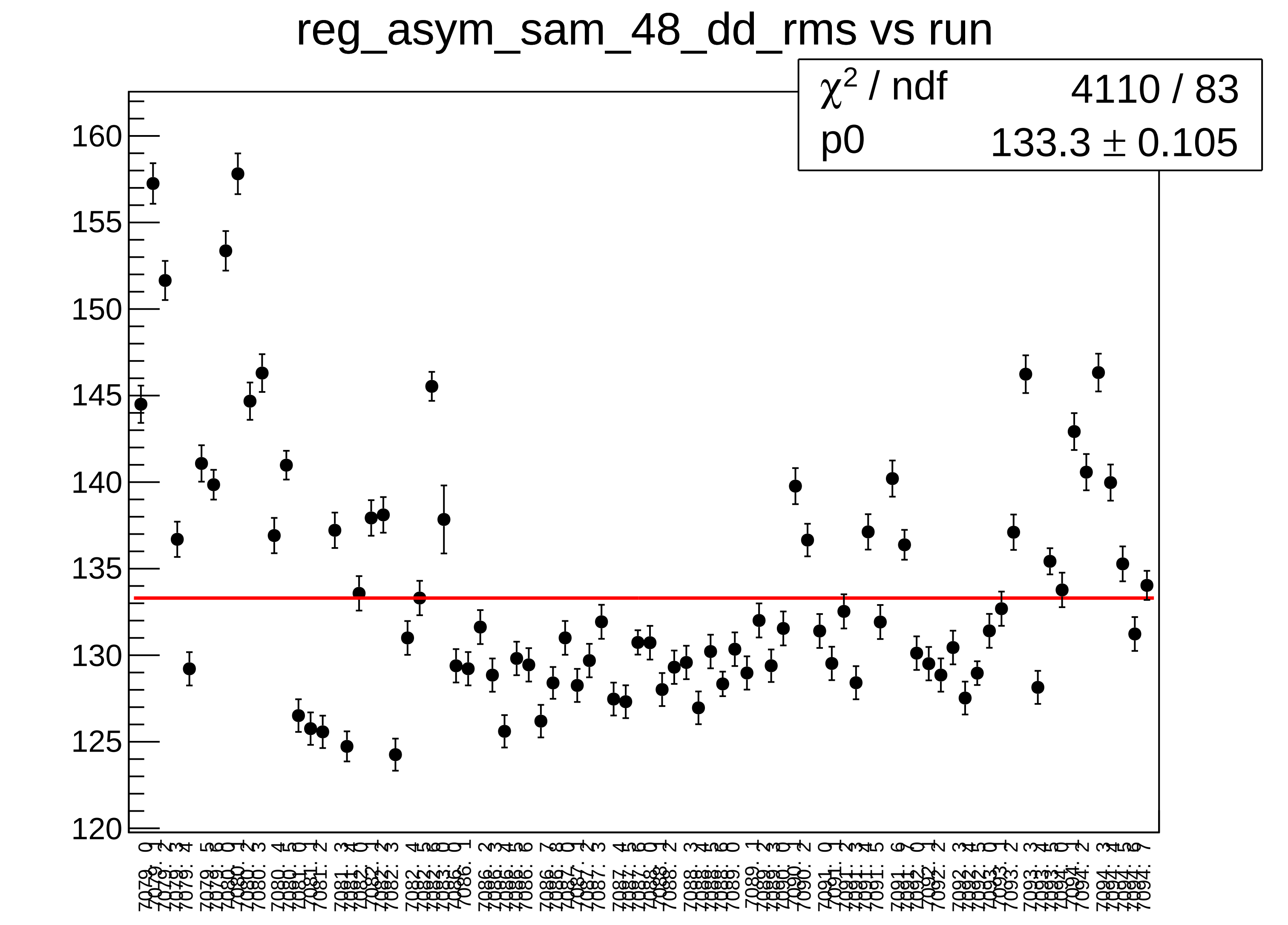


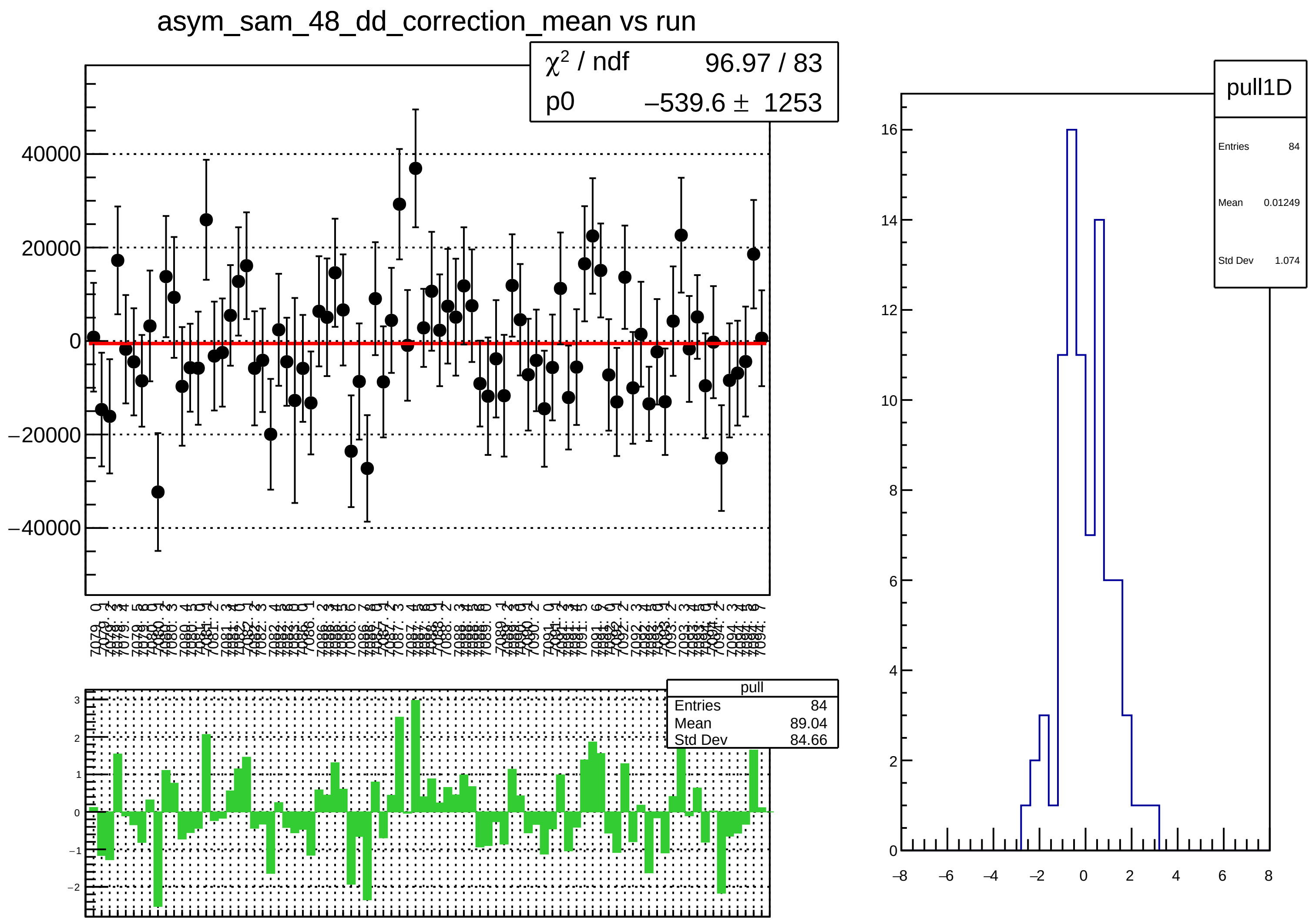
asym_sam_37_dd_mean vs run
χ2 / ndf 98.47 / 83
p0 478 ± 384.6
pull
Entries 84
Mean 283.8
Std Dev 259.9
pull1D
Entries 84
Mean −0.01232
Std Dev 1.083

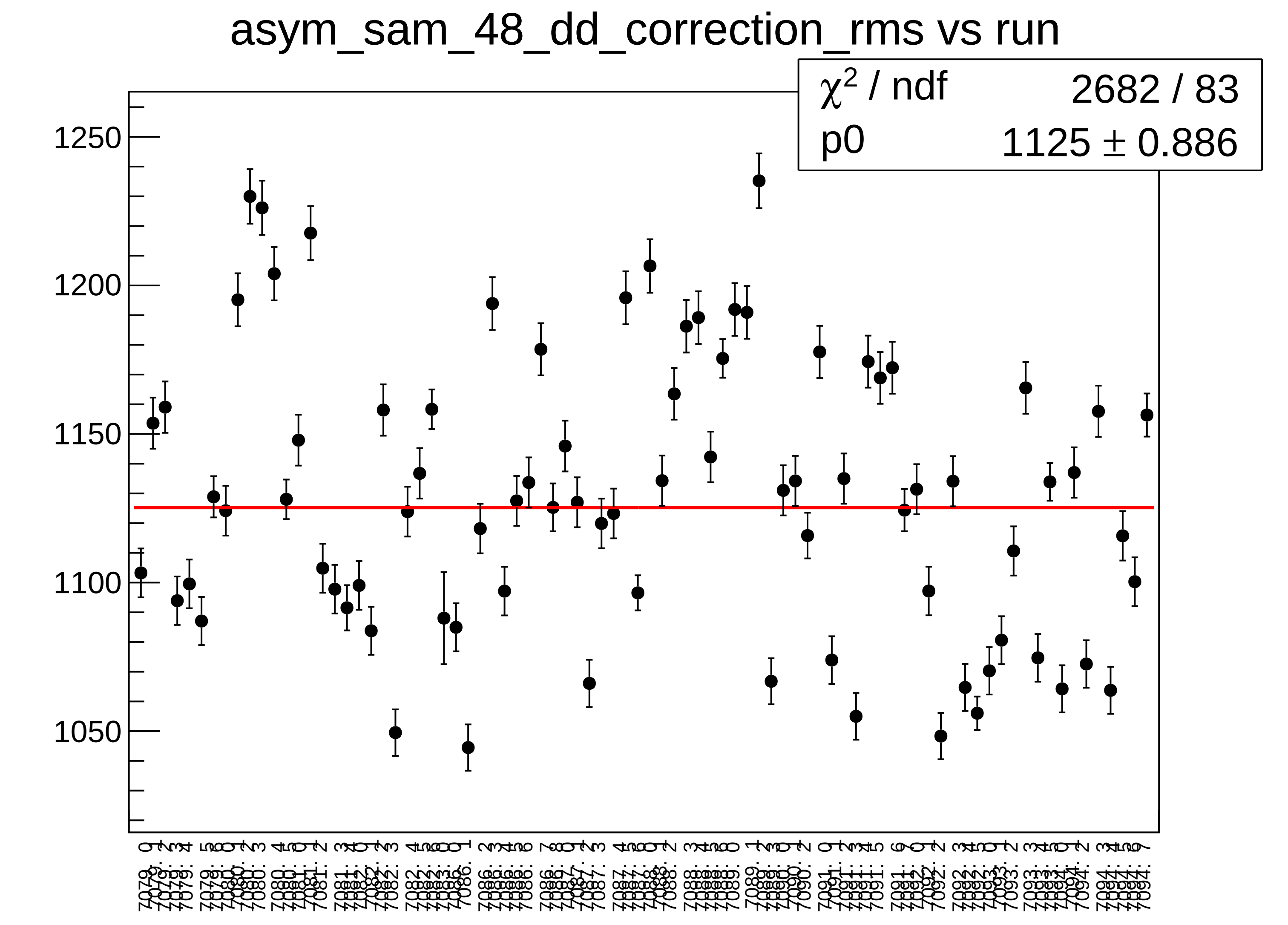


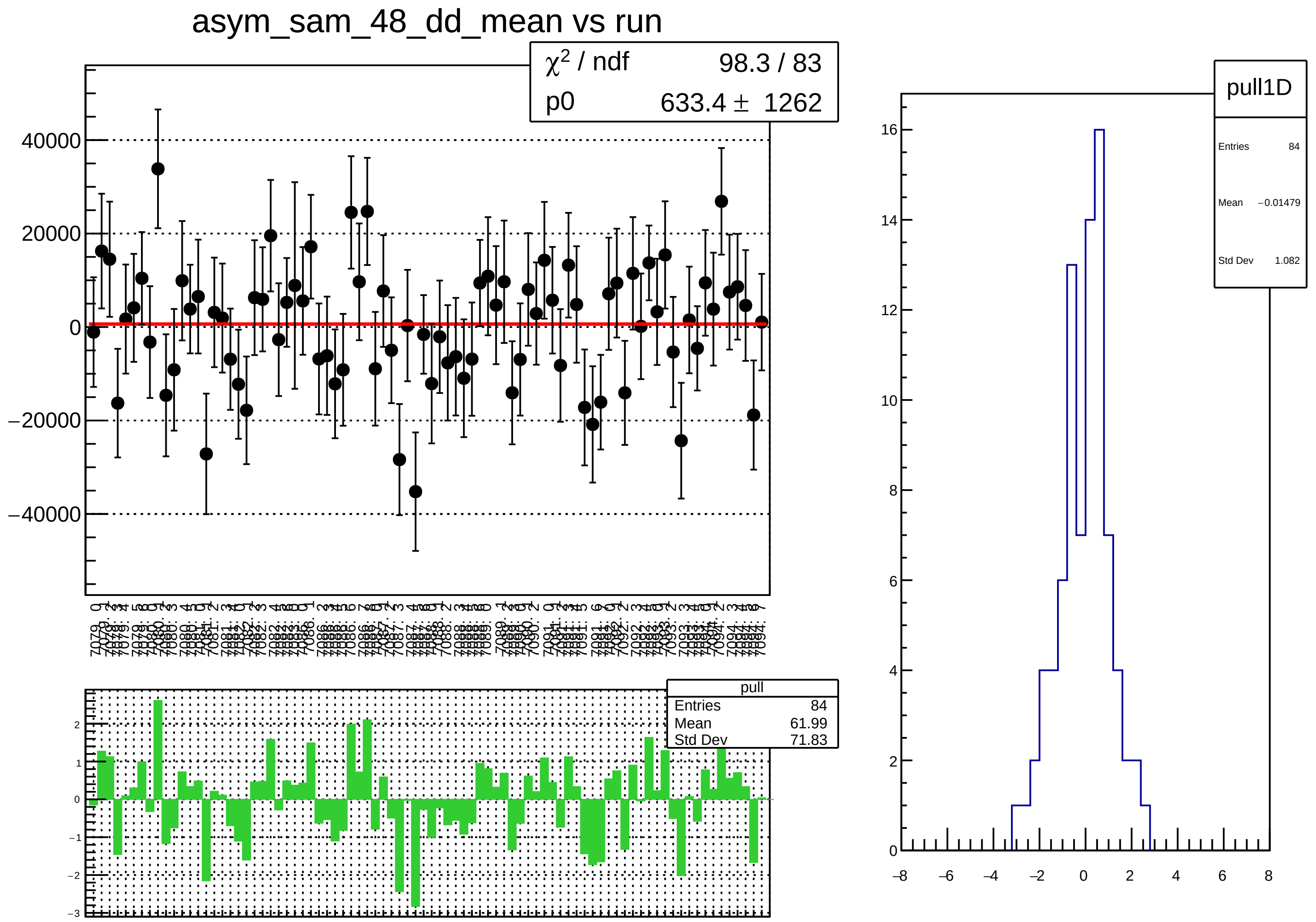
asym_sam_37_dd_rms vs run
χ2 / ndf 4781 / 83
p0 345.1 ± 0.2719
400
380
360
340
320
300


reg_asym_sam_48_dd_mean vs run
χ^2 / ndf 89.12 / 83
p0 75.7 ± 148.5
pull
Entries 84
Mean −132.6
Std Dev 190.5
pull1D
Entries 84
Mean −0.01353
Std Dev 1.03

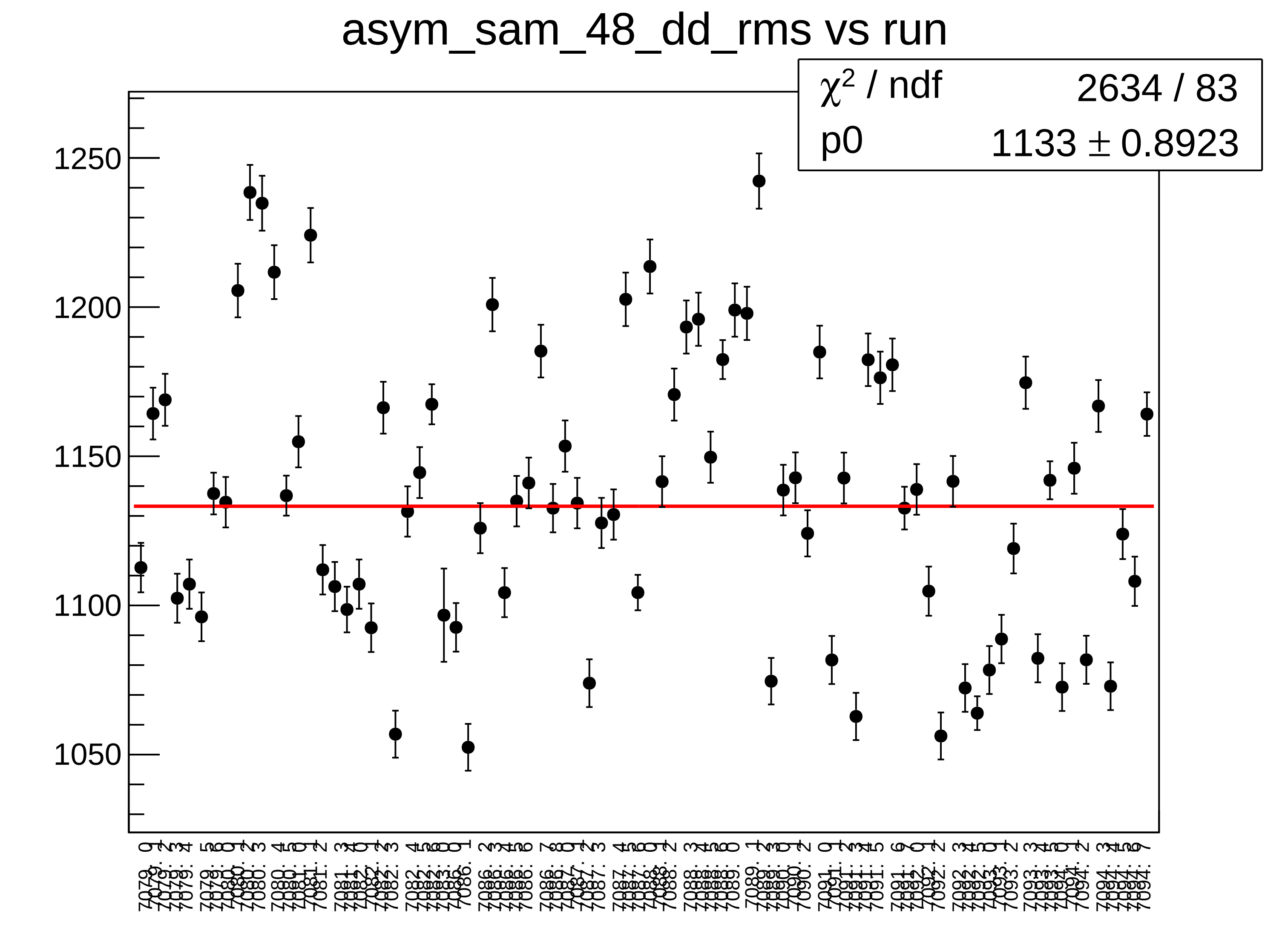

reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 4110 / 83
p0 133.3 ± 0.105
160
155
150
145
140
135
130
125
120

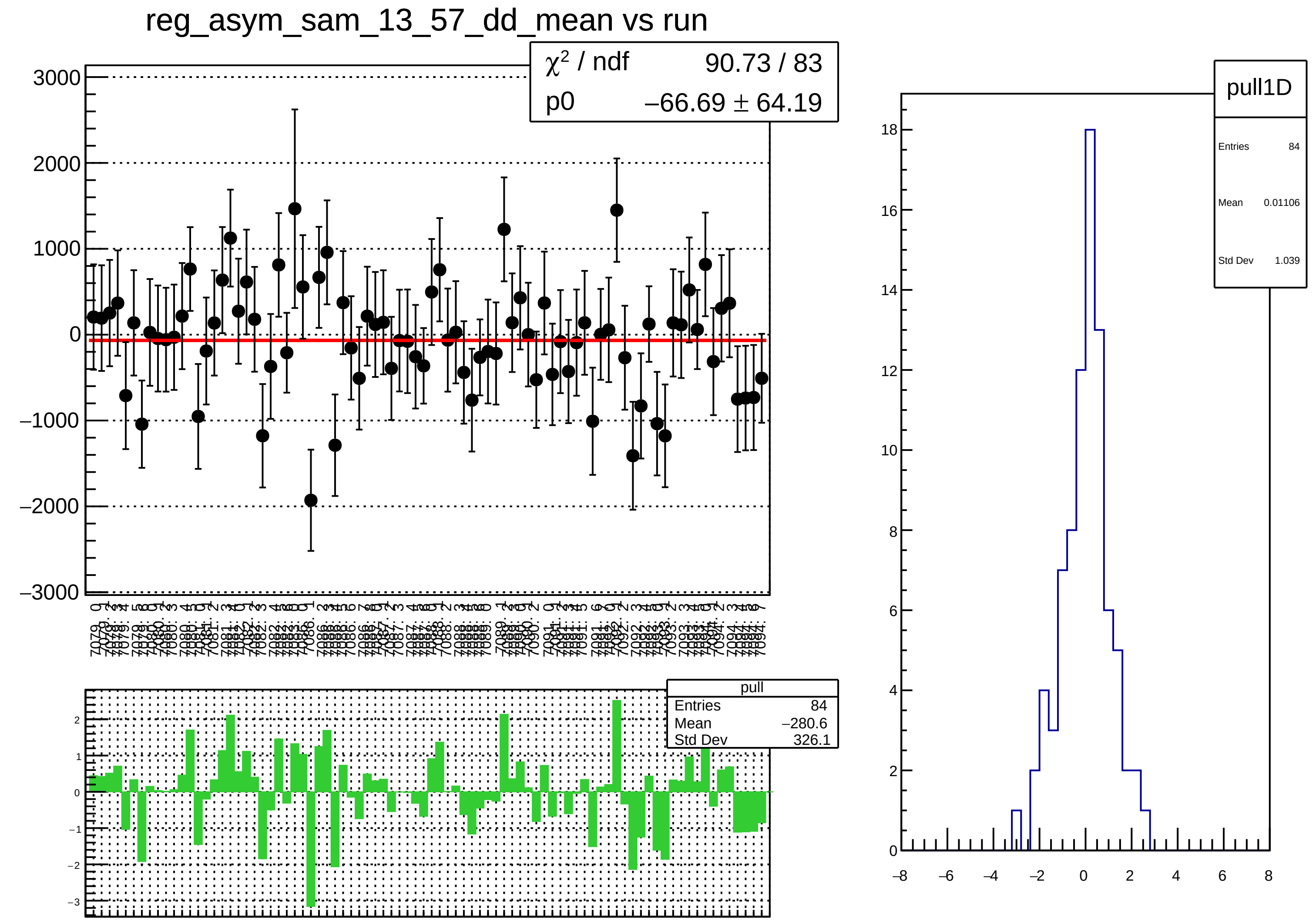

asym_sam_48_dd_correction_mean vs run
χ2 / ndf 96.97 / 83
p0 −539.6 ± 1253
pull
Entries 84
Mean 89.04
Std Dev 84.66
pull1D
Entries 84
Mean 0.01249
Std Dev 1.074


asym_sam_48_dd_correction_rms vs run
χ2 / ndf 2682 / 83
p0 1125 ± 0.886
1250
1200
1150
1100
1050

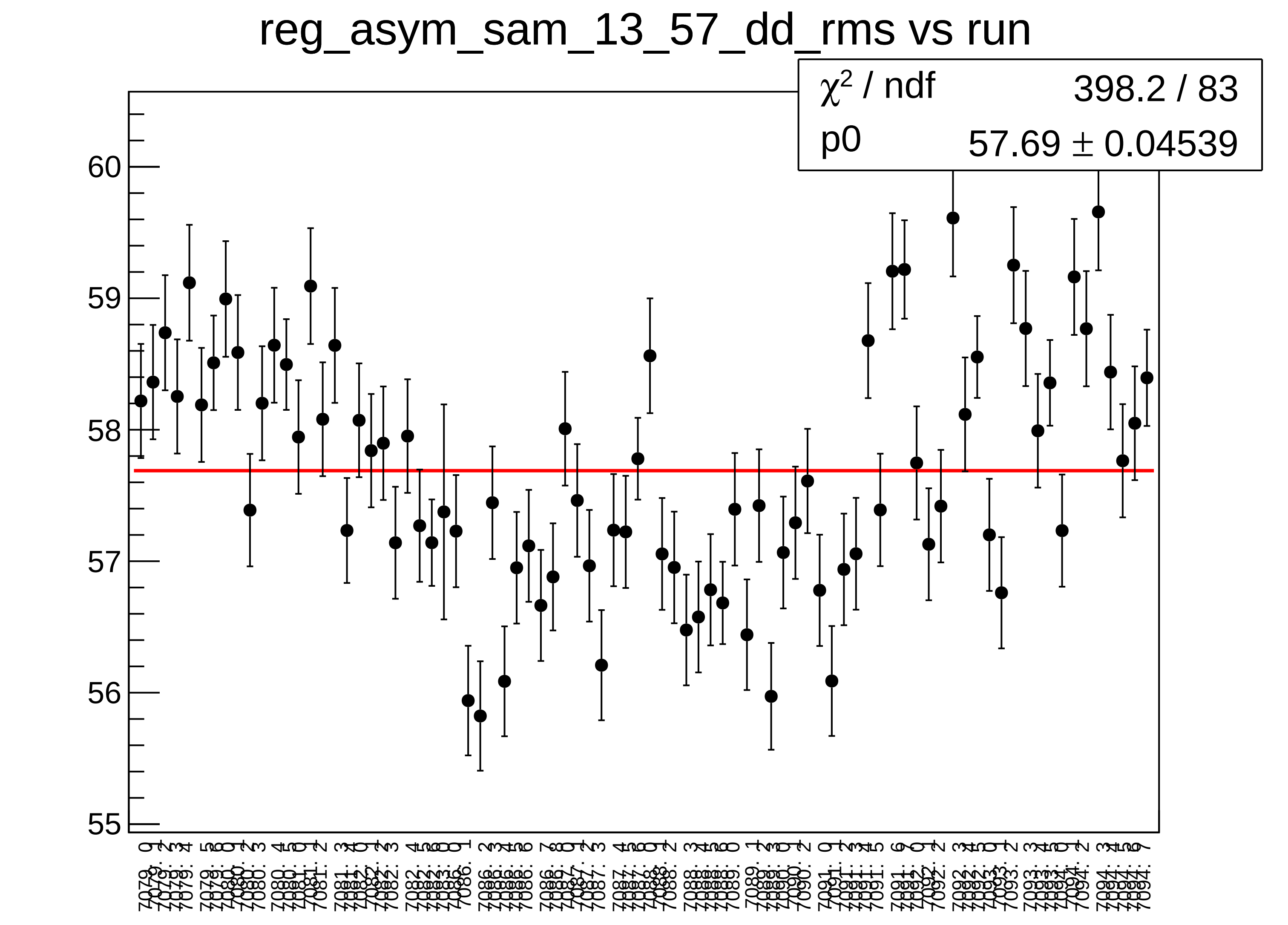


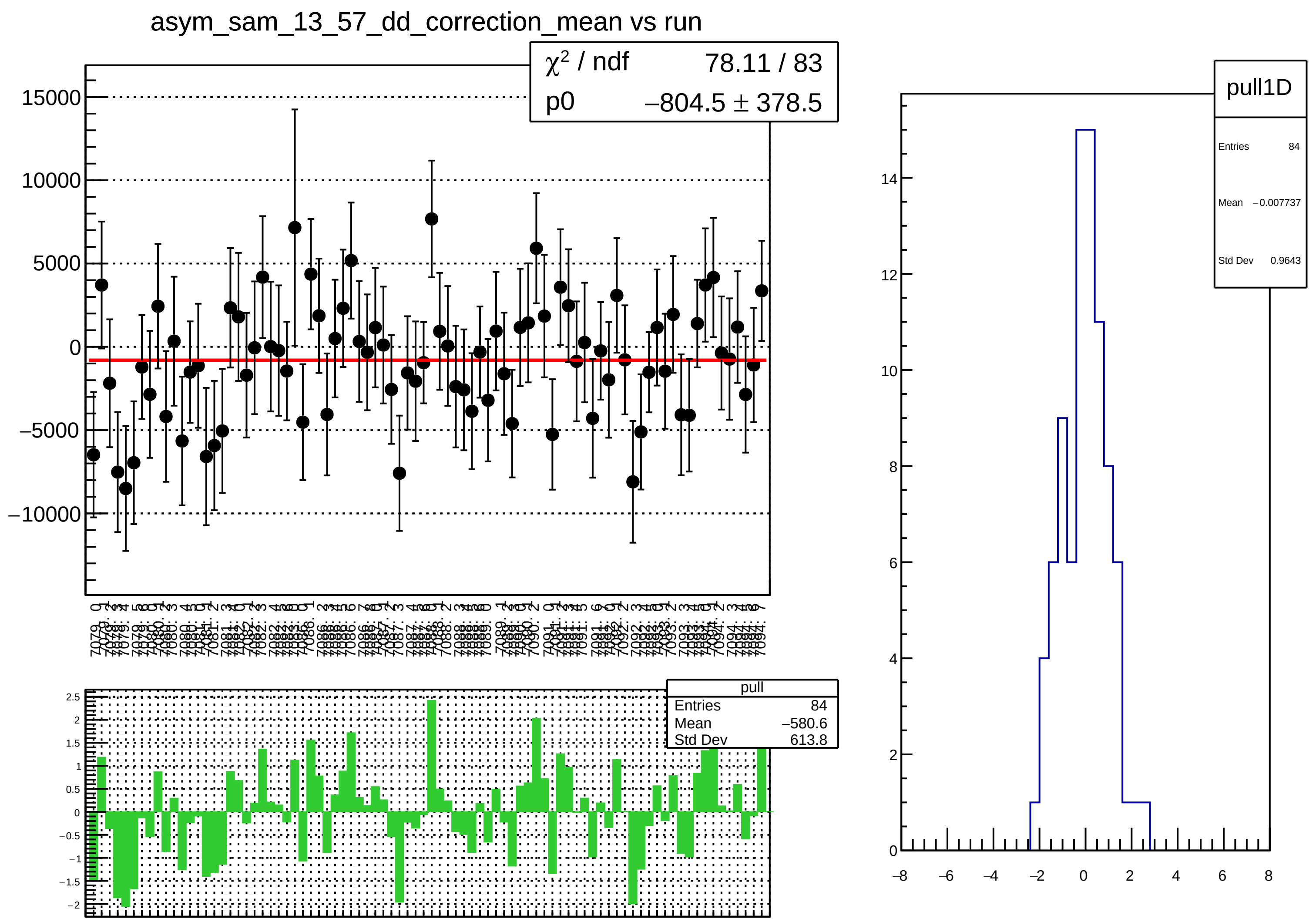
asym_sam_48_dd_mean vs run
χ2 / ndf 98.3 / 83
p0 633.4 ± 1262
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 61.99
Std Dev 71.83
pull1D
Entries 84
Mean −0.01479
Std Dev 1.082

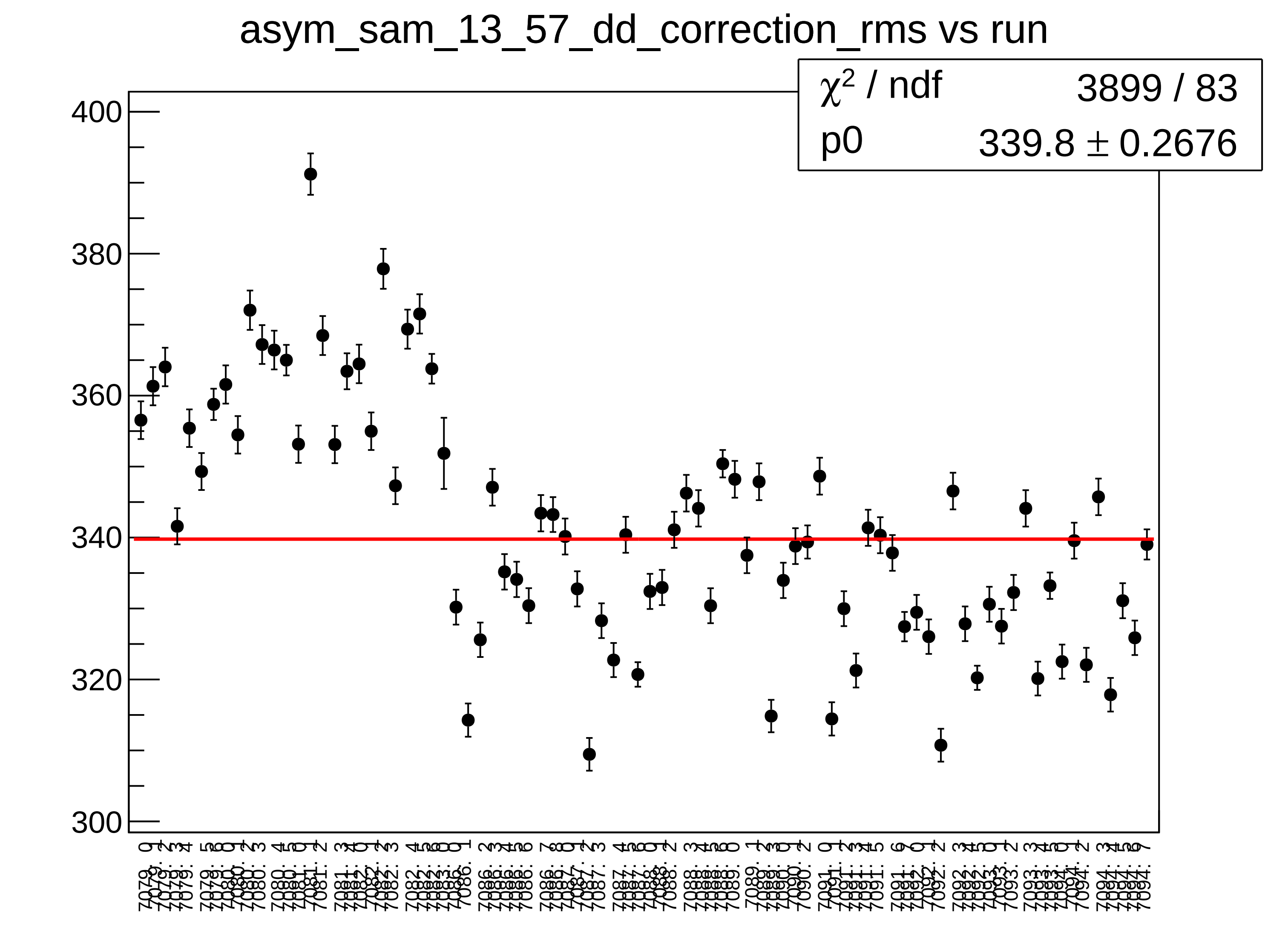

asym_sam_48_dd_rms vs run
χ^2 / ndf 2634 / 83
p0 1133 ± 0.8923
1250
1200
1150
1100
1050

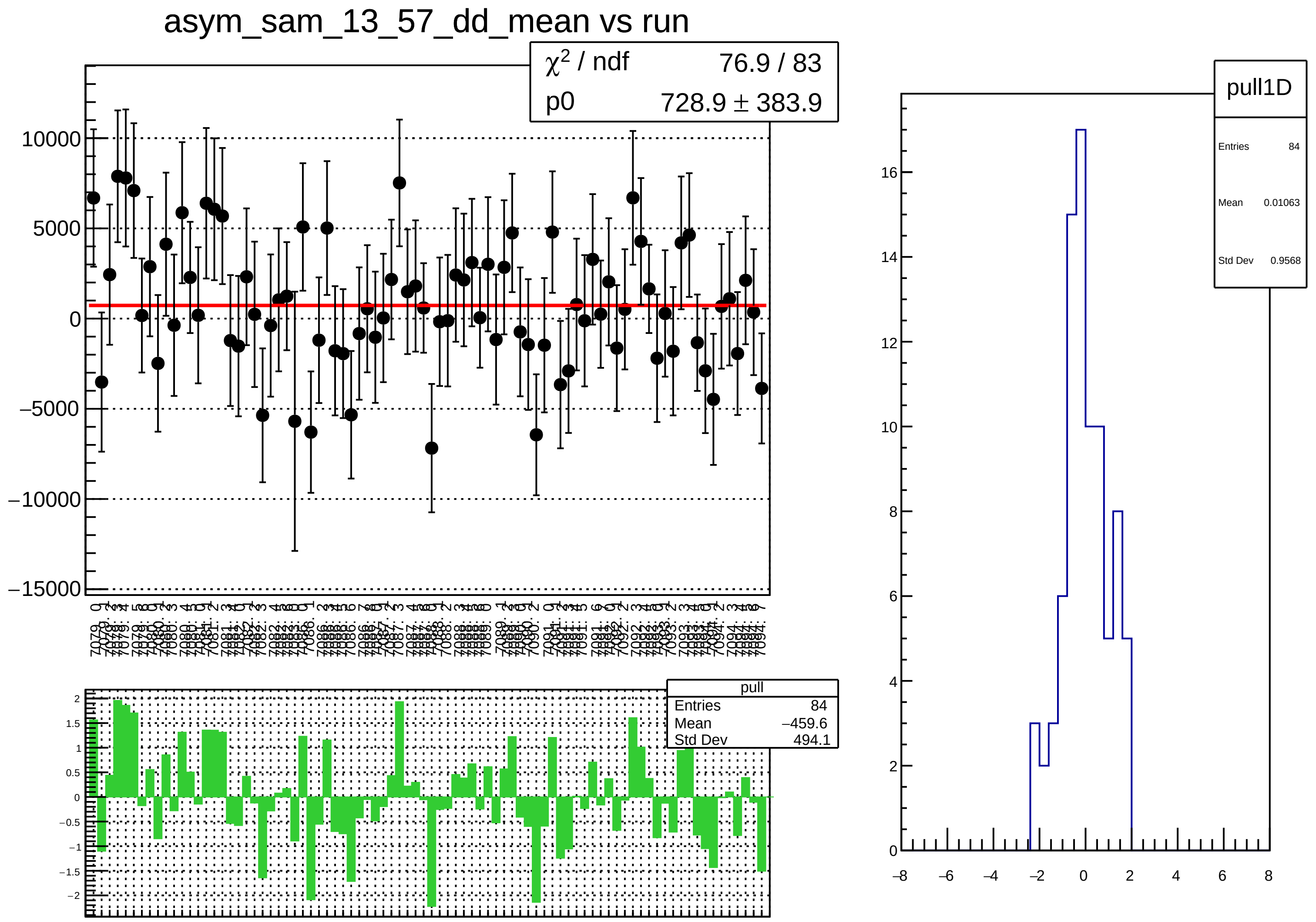


reg_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 90.73 / 83
p0 −66.69 ± 64.19
pull
Entries 84
Mean −280.6
Std Dev 326.1
pull1D
Entries 84
Mean 0.01106
Std Dev 1.039

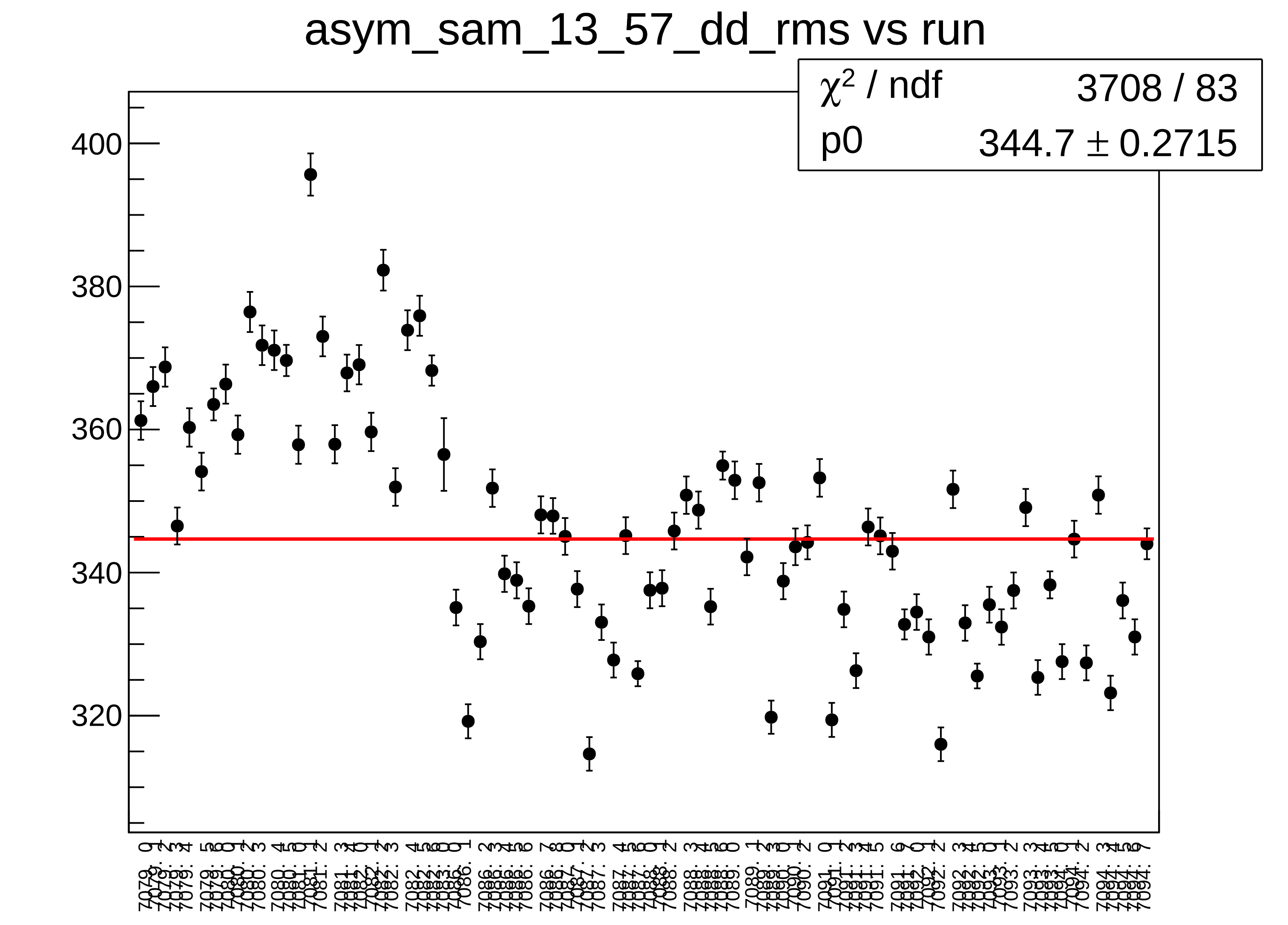

reg_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 398.2 / 83
p0 57.69 ± 0.04539
60
59
58
57
56
55

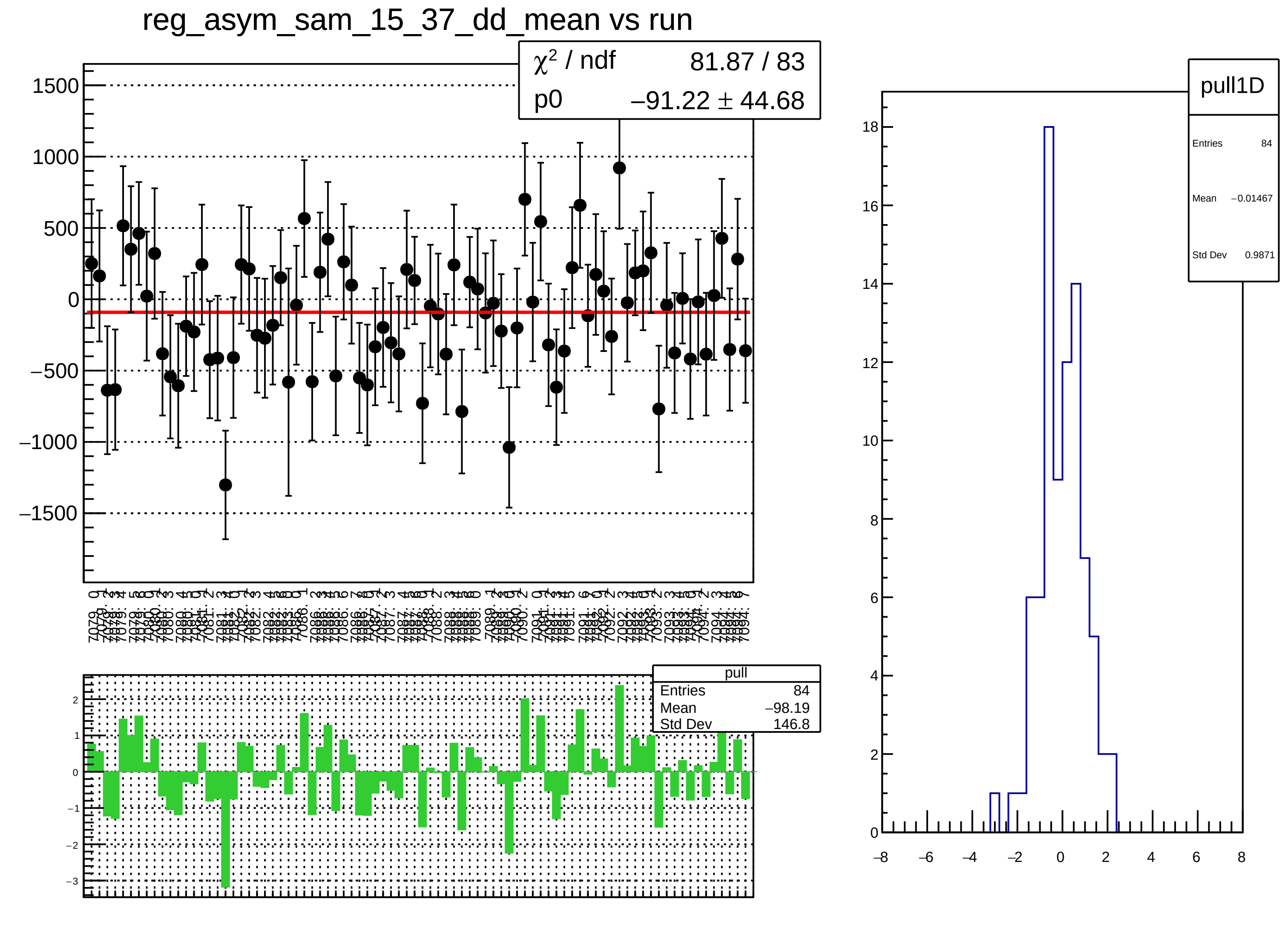

asym_sam_13_57_dd_correction_mean vs run
χ2 / ndf 78.11 / 83
p0 −804.5 ± 378.5
pull
Entries 84
Mean −580.6
Std Dev 613.8
pull1D
Entries 84
Mean −0.007737
Std Dev 0.9643


asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 3899 / 83
p0 339.8 ± 0.2676
400
380
360
340
320
300

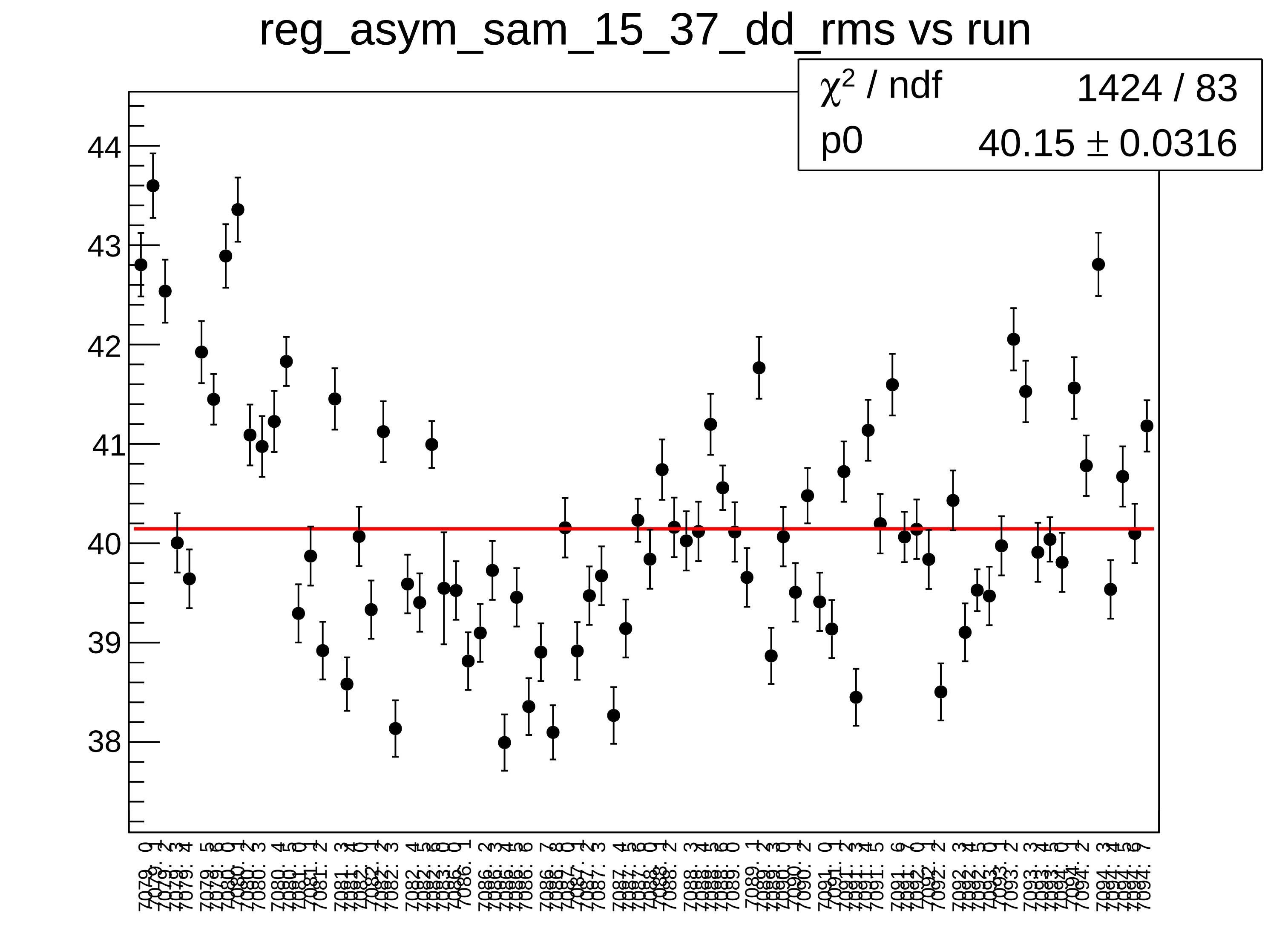


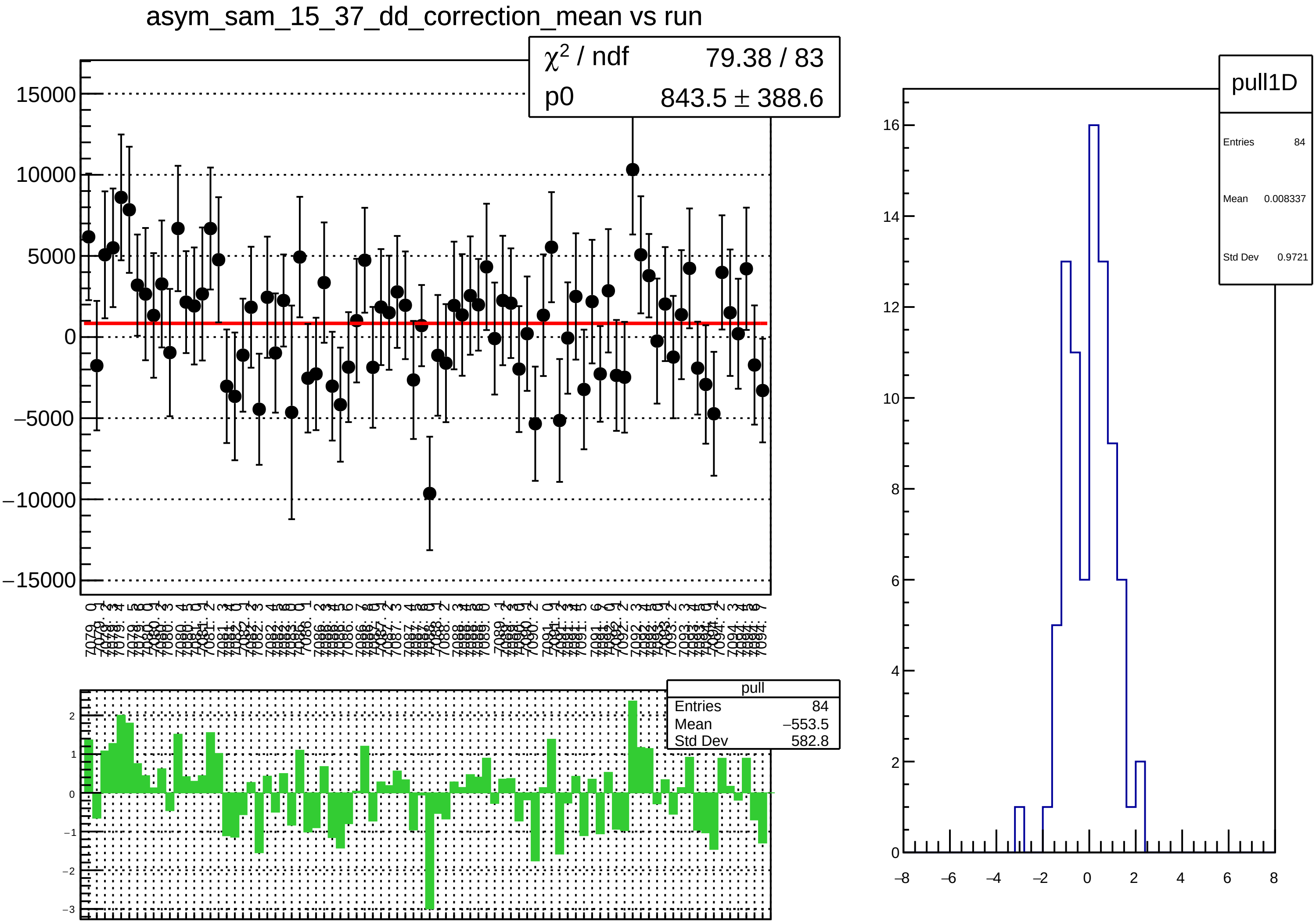
asym_sam_13_57_dd_mean vs run
χ^2 / ndf 76.9 / 83
p0 728.9 ± 383.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −459.6
Std Dev 494.1
pull1D
Entries 84
Mean 0.01063
Std Dev 0.9568

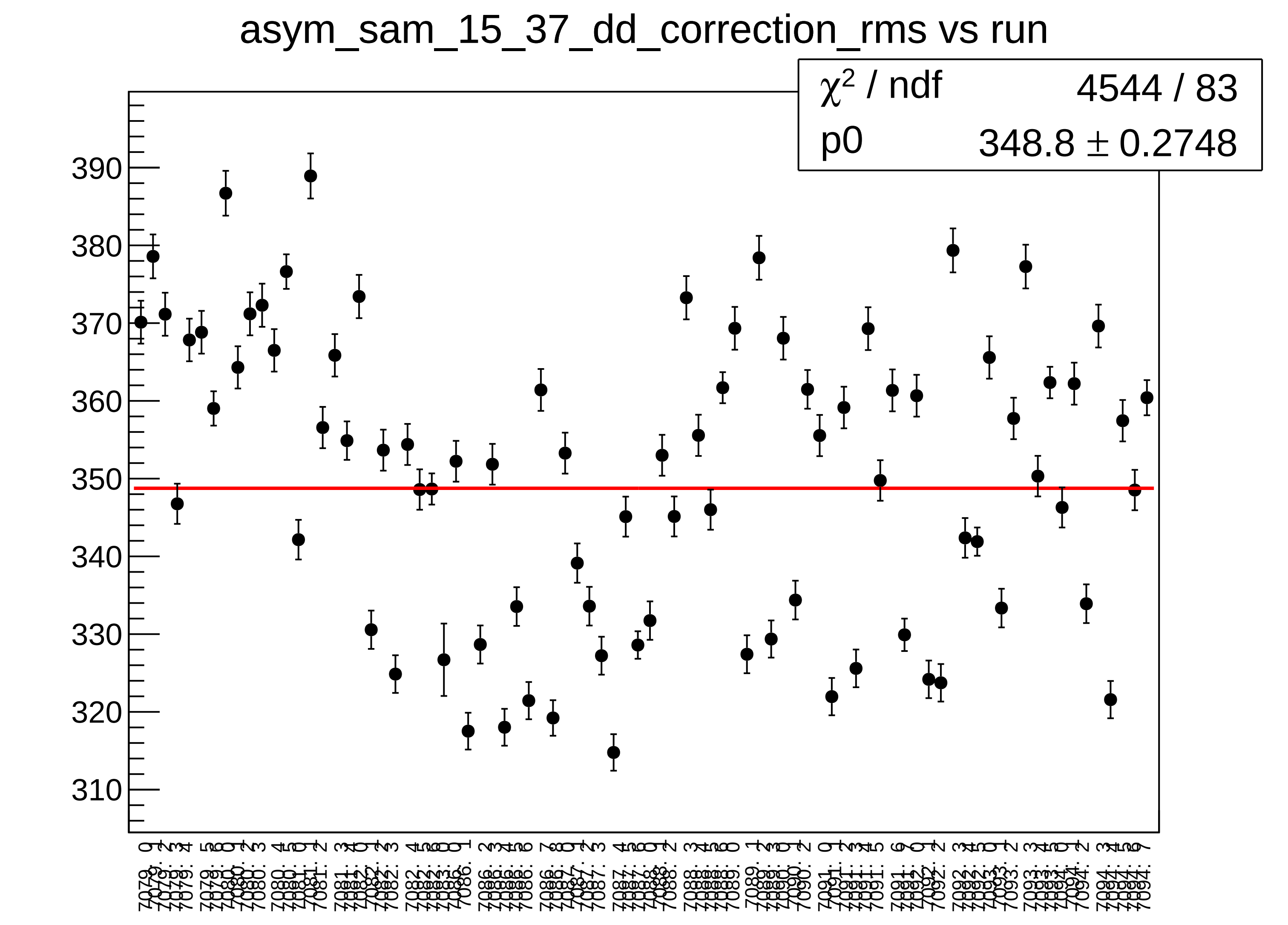

asym_sam_13_57_dd_rms vs run
χ2 / ndf 3708 / 83
p0 344.7 ± 0.2715
400
380
360
340
320



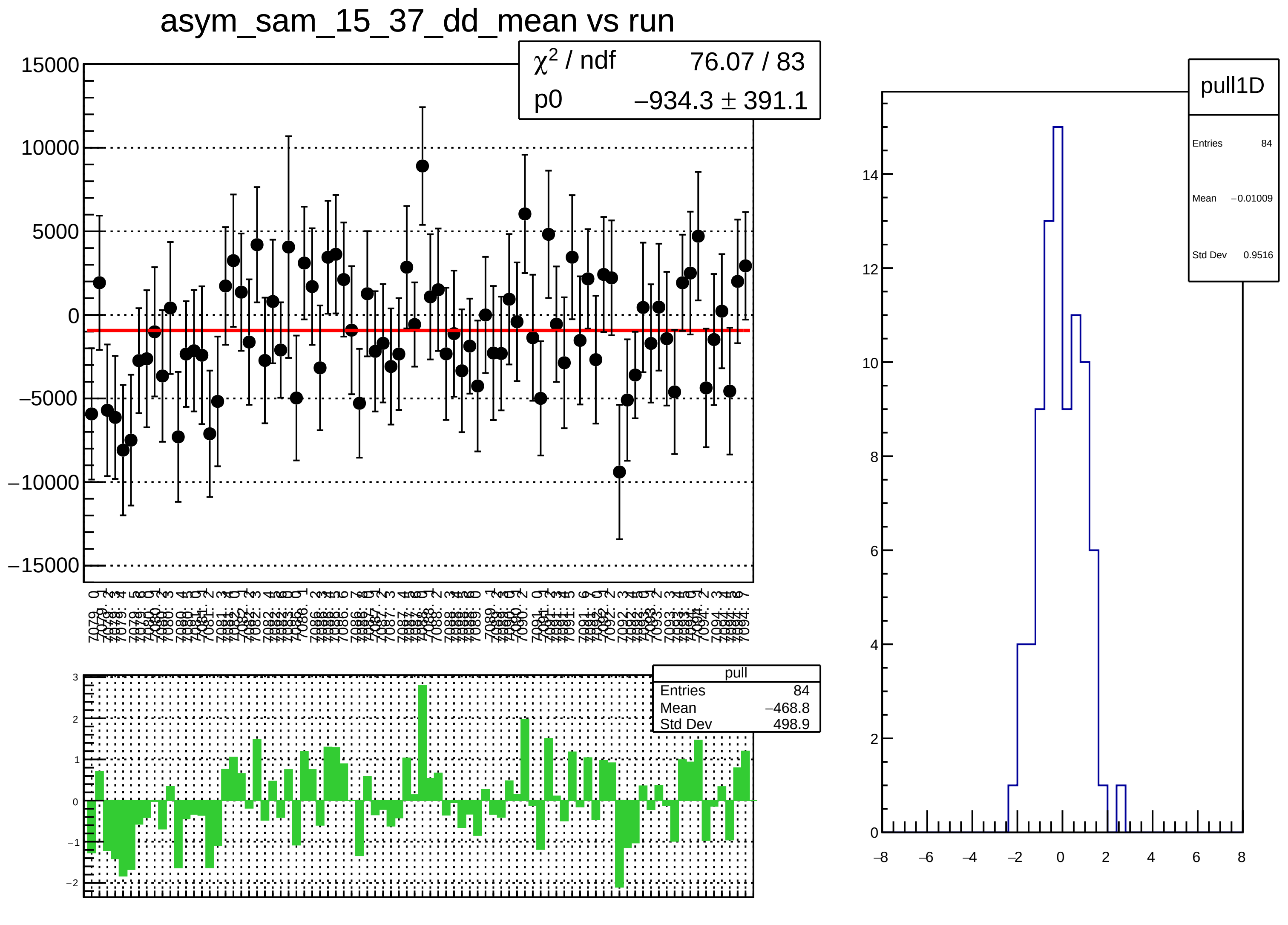
reg_asym_sam_15_37_dd_mean vs run
χ2 / ndf 81.87 / 83
p0 −91.22 ± 44.68
1500
1000
500
0
−500
−1000
−1500
pull
Entries 84
Mean −98.19
Std Dev 146.8
pull1D
Entries 84
Mean −0.01467
Std Dev 0.9871


reg_asym_sam_15_37_dd_rms vs run
χ2 / ndf 1424 / 83
p0 40.15 ± 0.0316
44
43
42
41
40
39
38

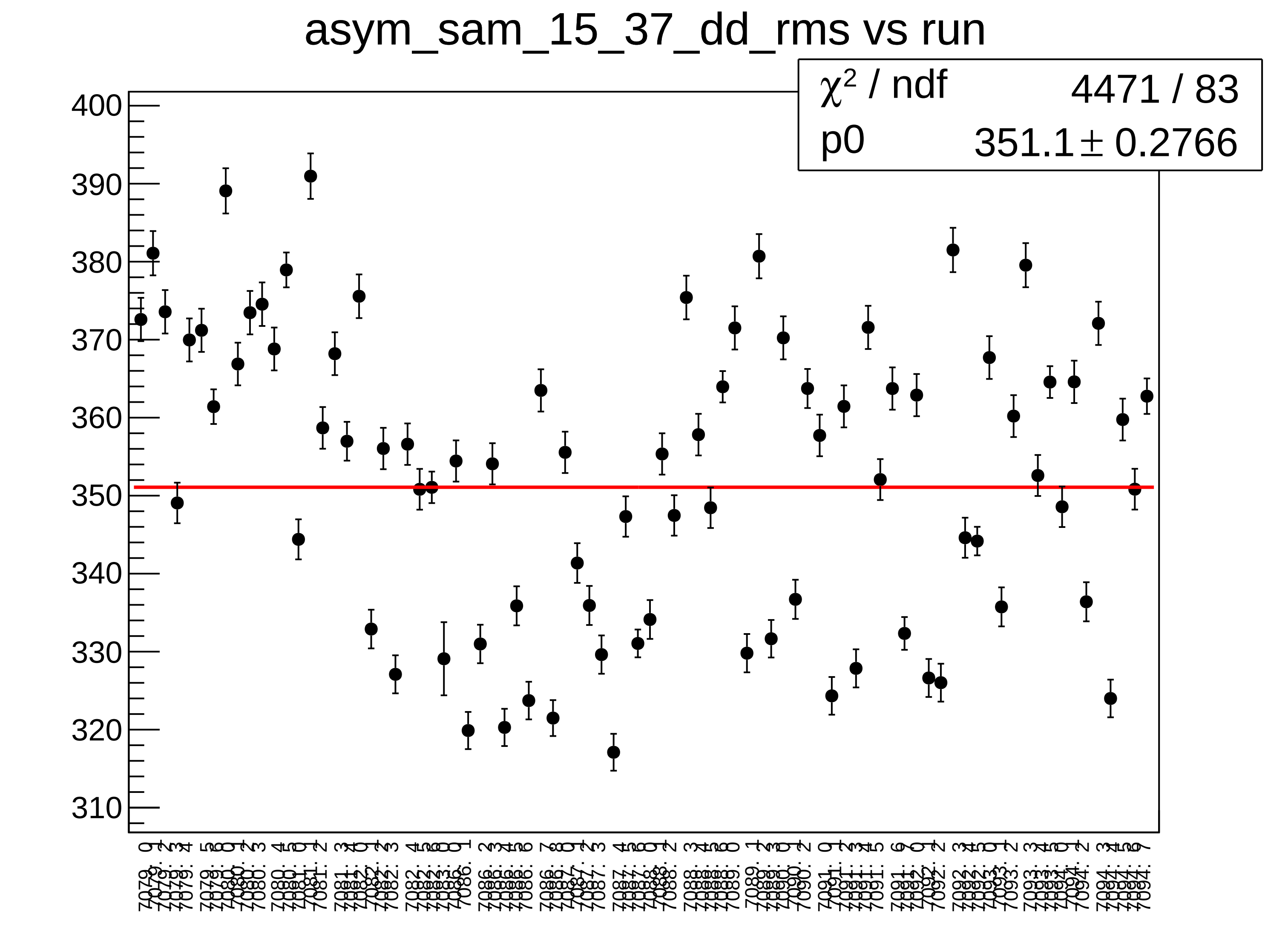

asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 79.38 / 83
p0 843.5 ± 388.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −553.5
Std Dev 582.8
pull1D
Entries 84
Mean 0.008337
Std Dev 0.9721

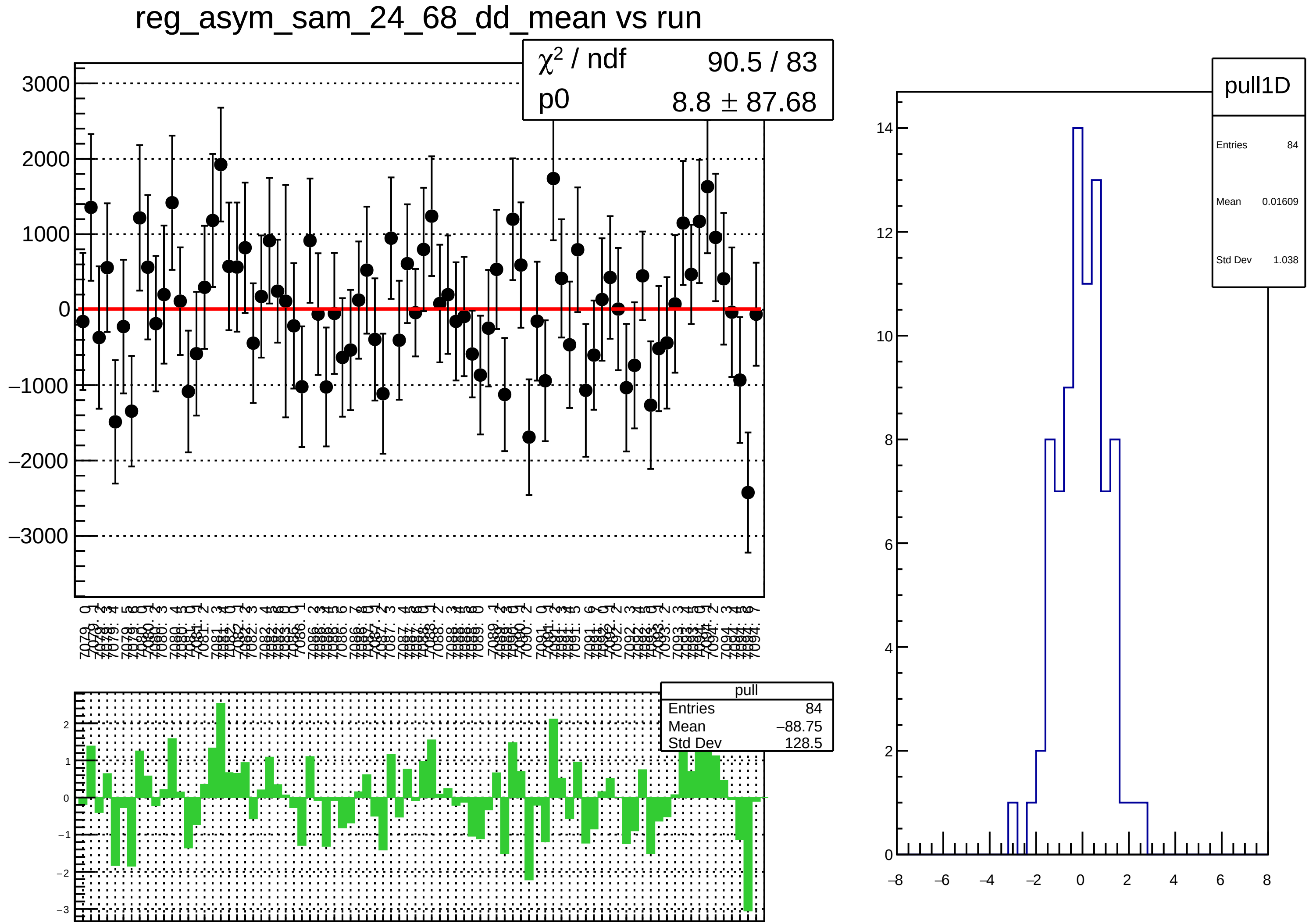


asym_sam_15_37_dd_correction_rms vs run
χ2 / ndf 4544 / 83
p0 348.8 ± 0.2748
390
380
370
360
350
340
330
320
310

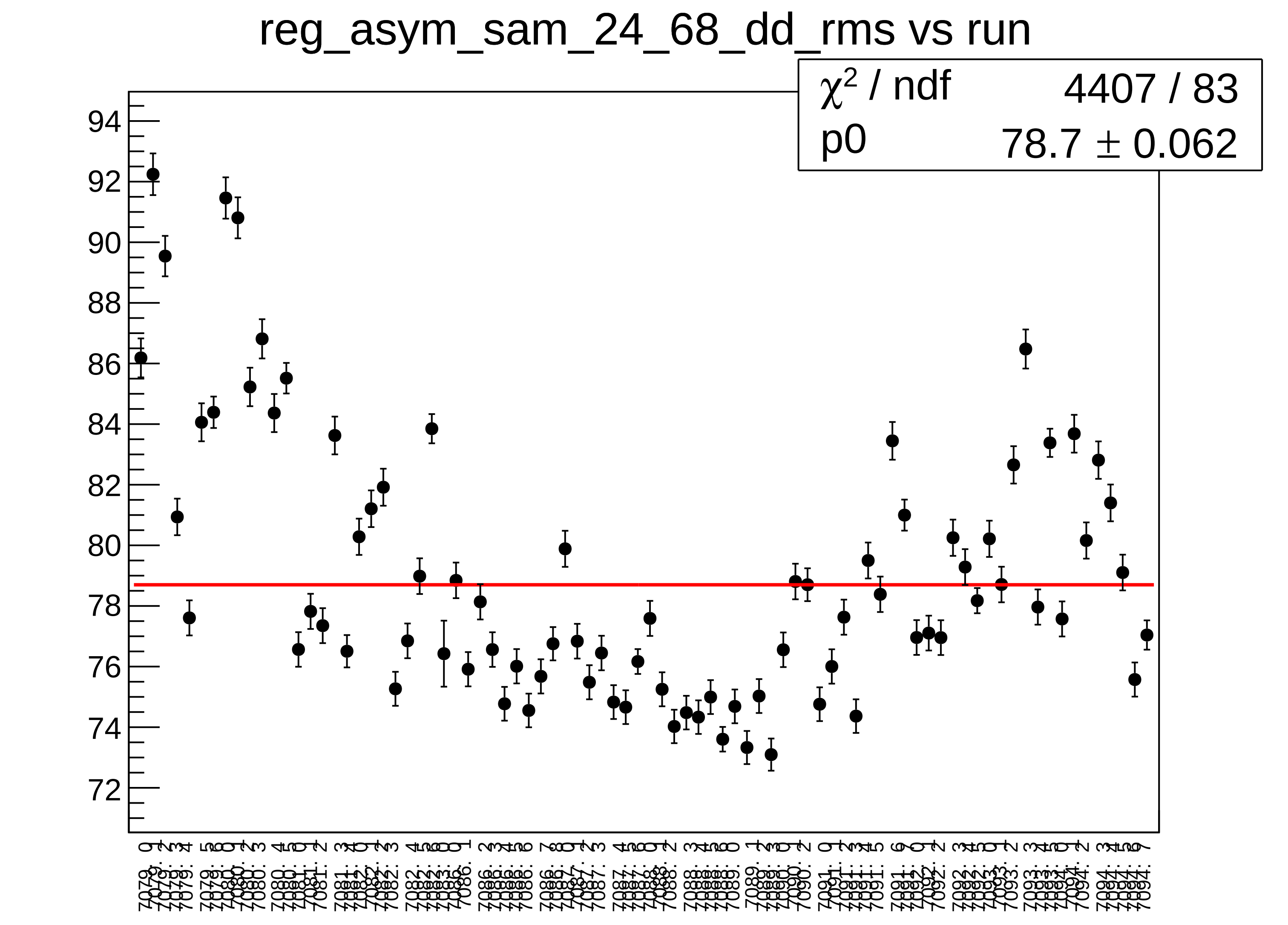


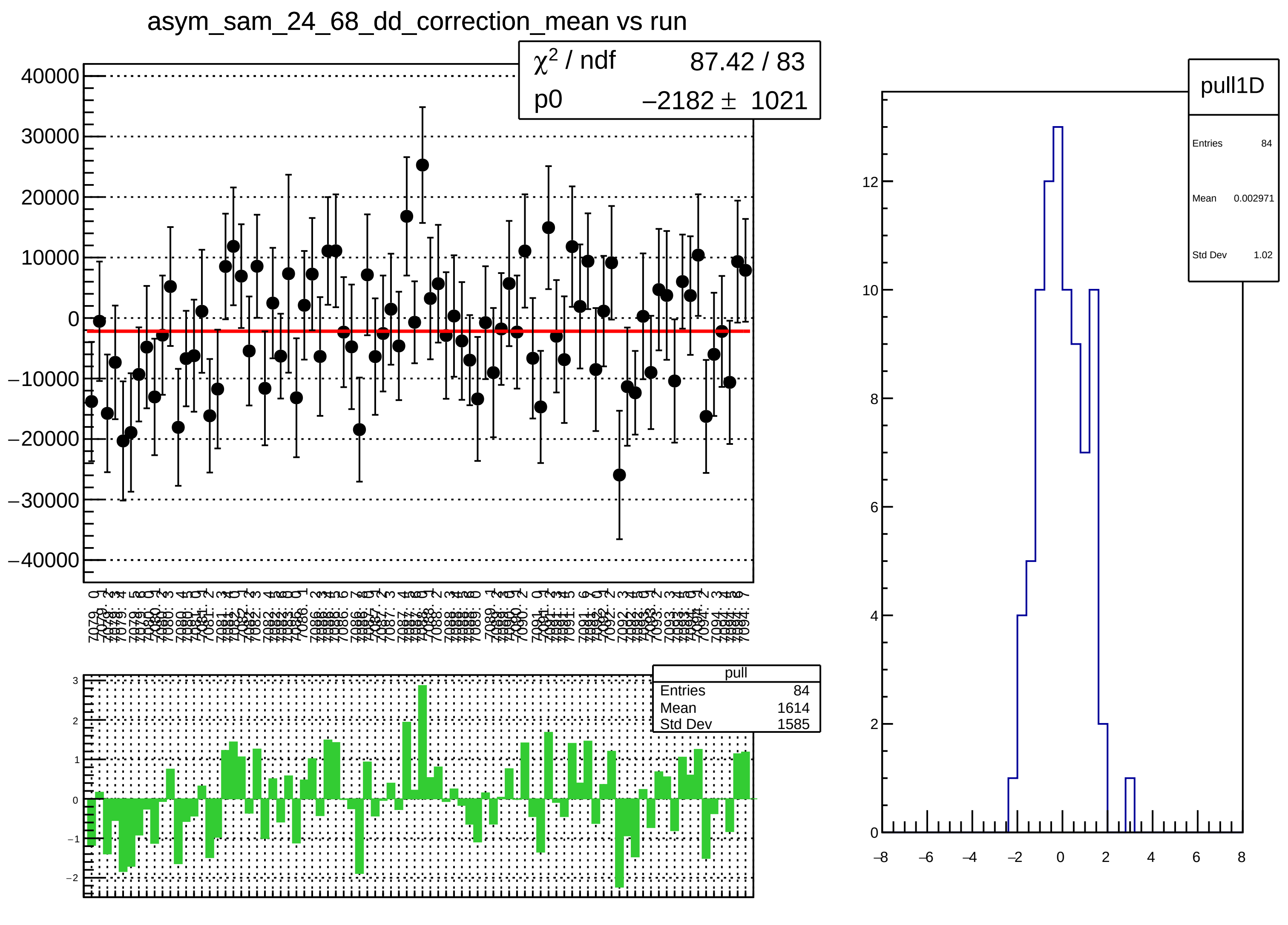
asym_sam_15_37_dd_mean vs run
χ2 / ndf 76.07 / 83
p0 −934.3 ± 391.1
pull
Entries 84
Mean −468.8
Std Dev 498.9
pull1D
Entries 84
Mean −0.01009
Std Dev 0.9516


asym_sam_15_37_dd_rms vs run
χ^2 / ndf 4471 / 83
p0 351.1 ± 0.2766
400
390
380
370
360
350
340
330
320
310

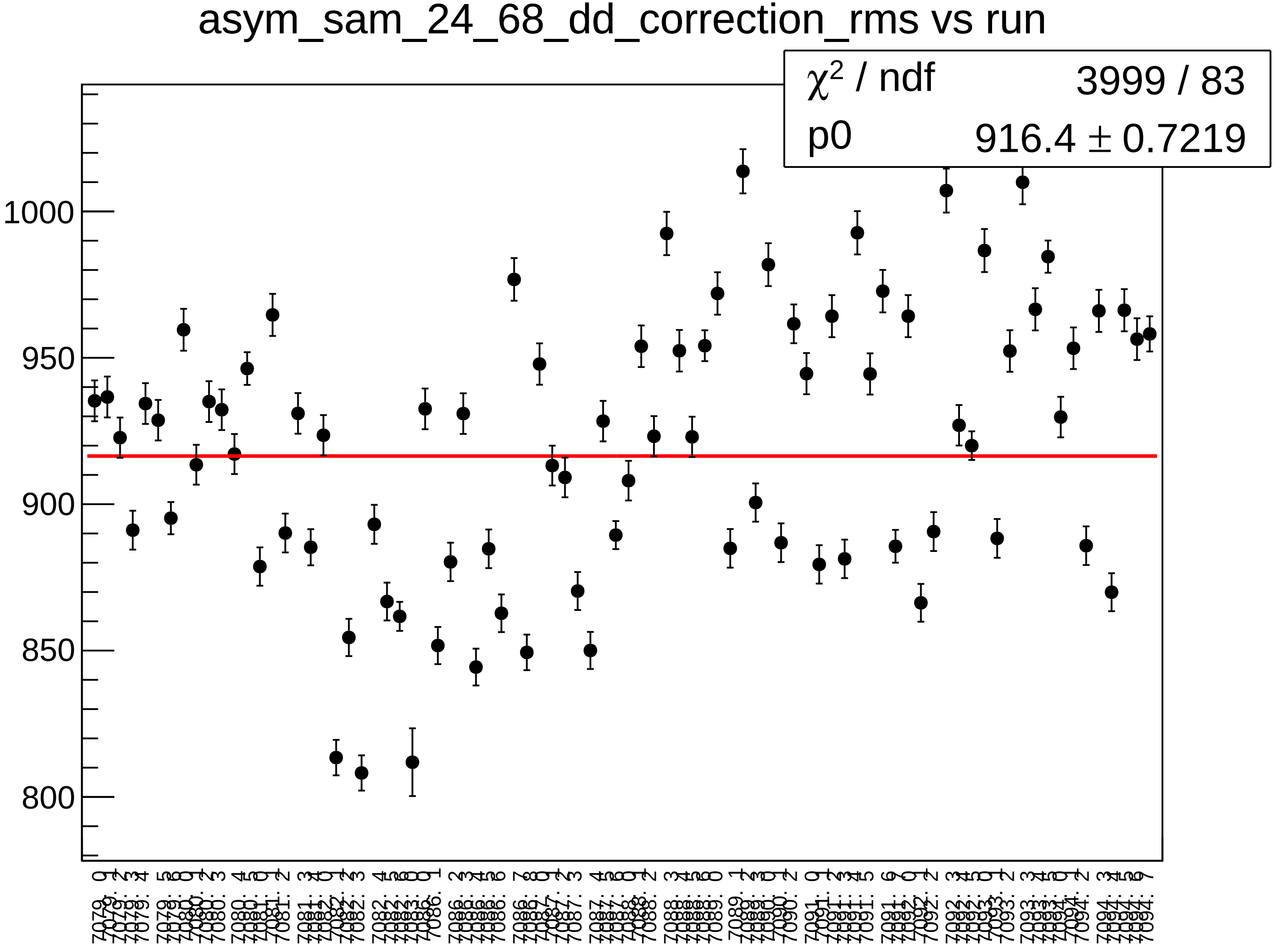


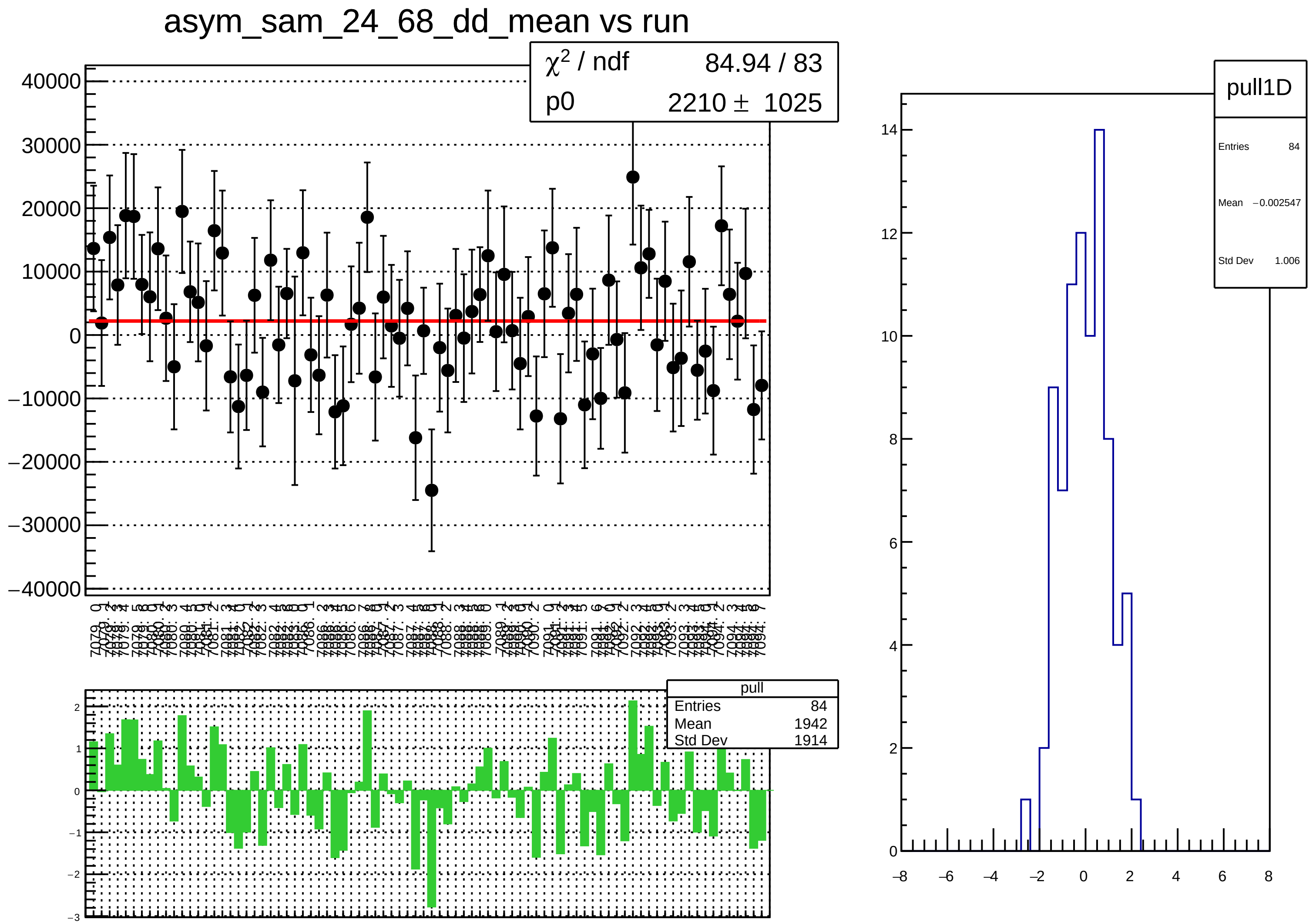
reg_asym_sam_24_68_dd_mean vs run
χ2 / ndf 90.5 / 83
p0 8.8 ± 87.68
pull
Entries 84
Mean −88.75
Std Dev 128.5
pull1D
Entries 84
Mean 0.01609
Std Dev 1.038


reg_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 4407 / 83
p0 78.7 ± 0.062
94
92
90
88
86
84
82
80
78
76
74
72

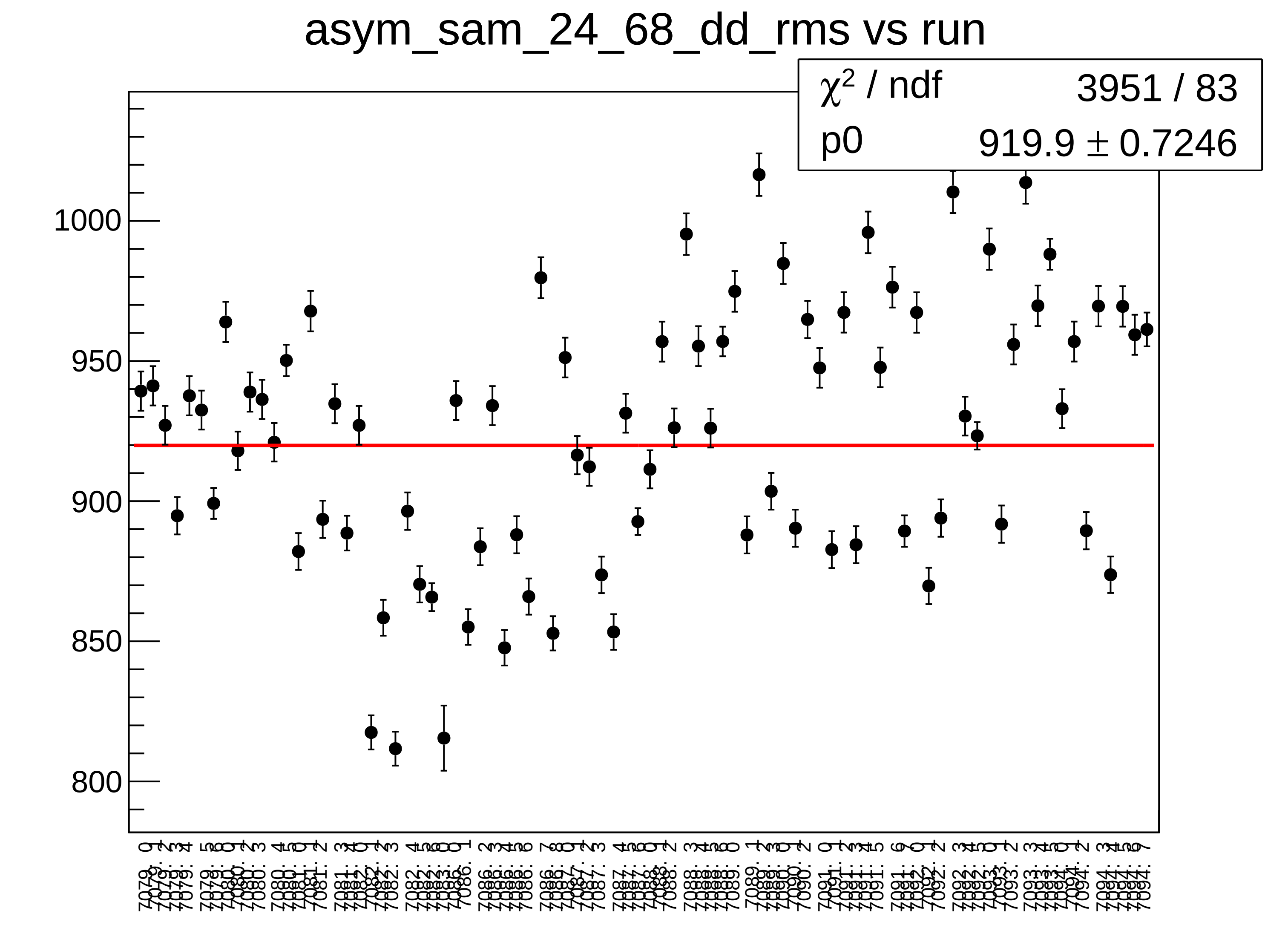


asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 87.42 / 83
p0 −2182 ± 1021
pull
Entries 84
Mean 1614
Std Dev 1585
pull1D
Entries 84
Mean 0.002971
Std Dev 1.02

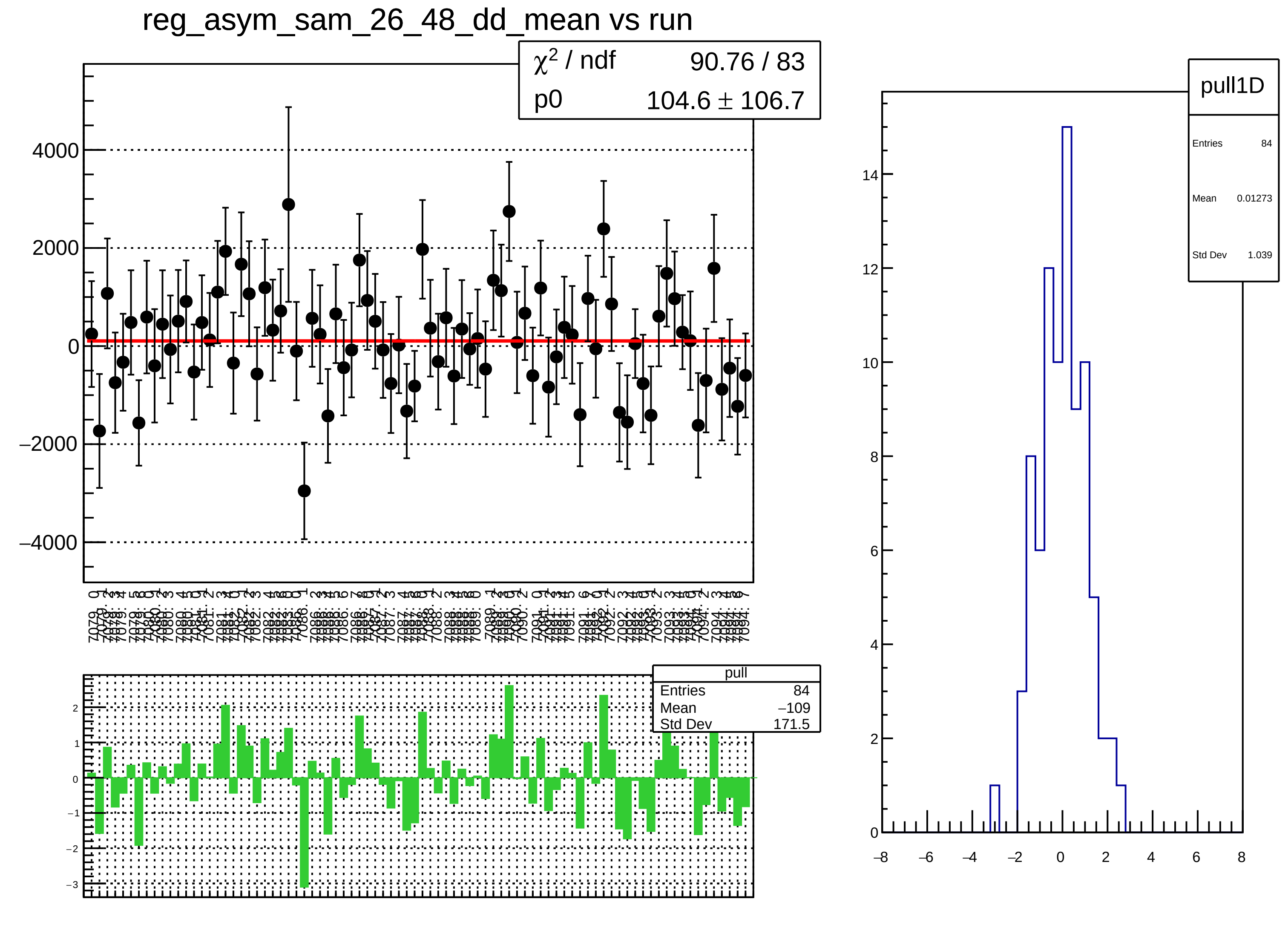

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 3999 / 83
p0 916.4 ± 0.7219
1000
950
900
850
800

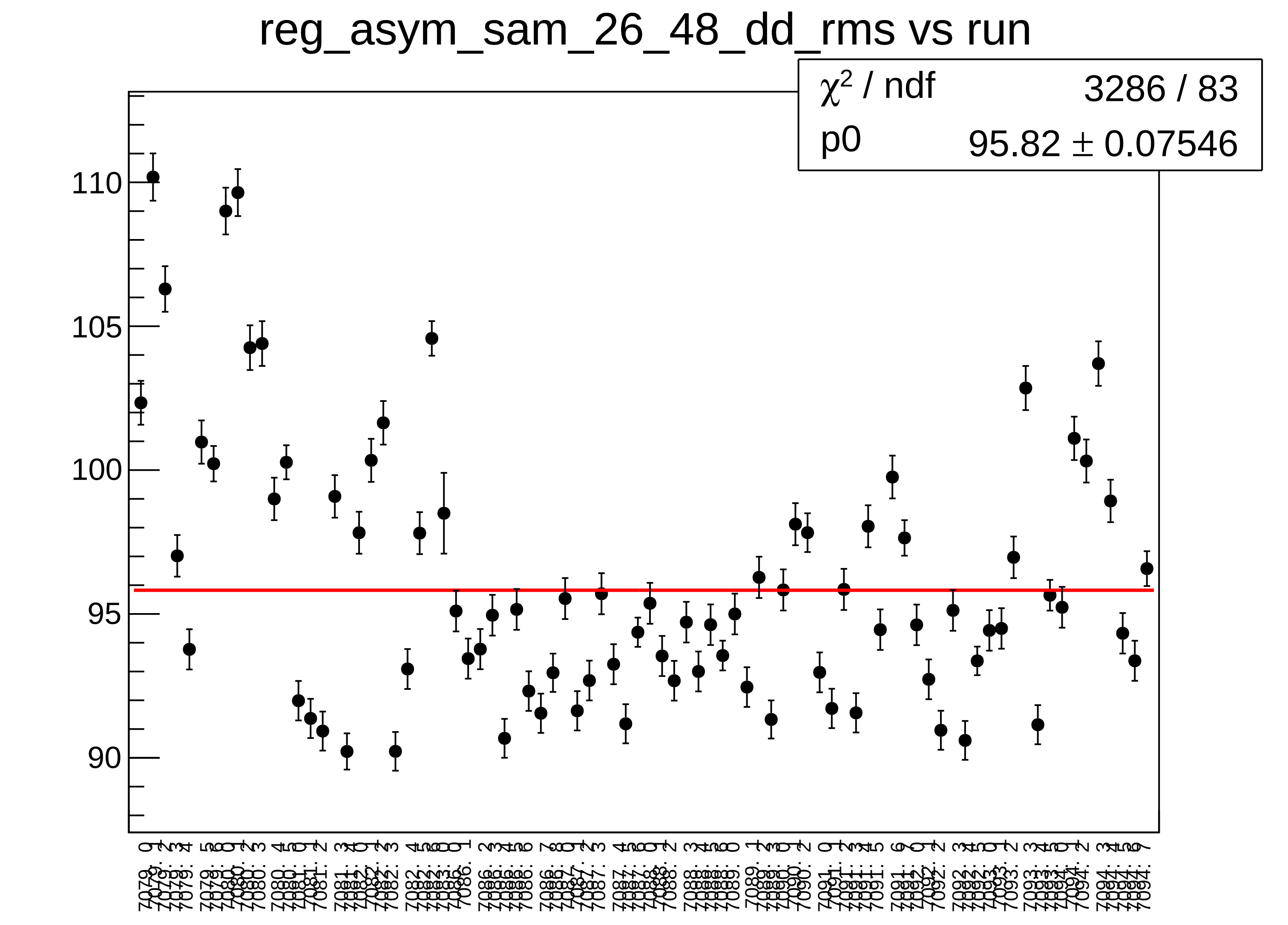


asym_sam_24_68_dd_mean vs run
χ^2 / ndf 84.94 / 83
p0 2210 ± 1025
pull
Entries 84
Mean 1942
Std Dev 1914
pull1D
Entries 84
Mean −0.002547
Std Dev 1.006

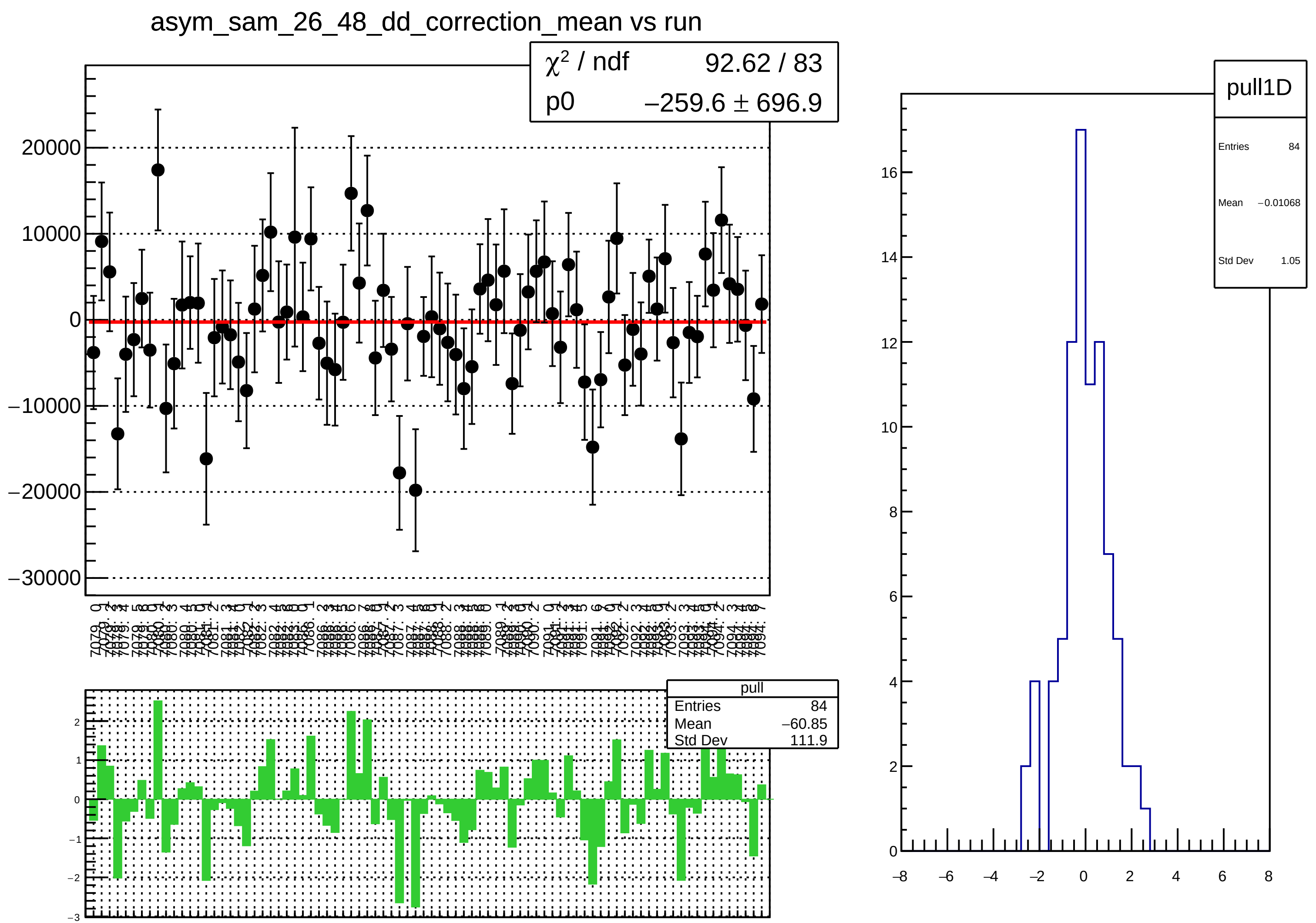


asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3951 / 83
p0 919.9 ± 0.7246
1000
950
900
850
800

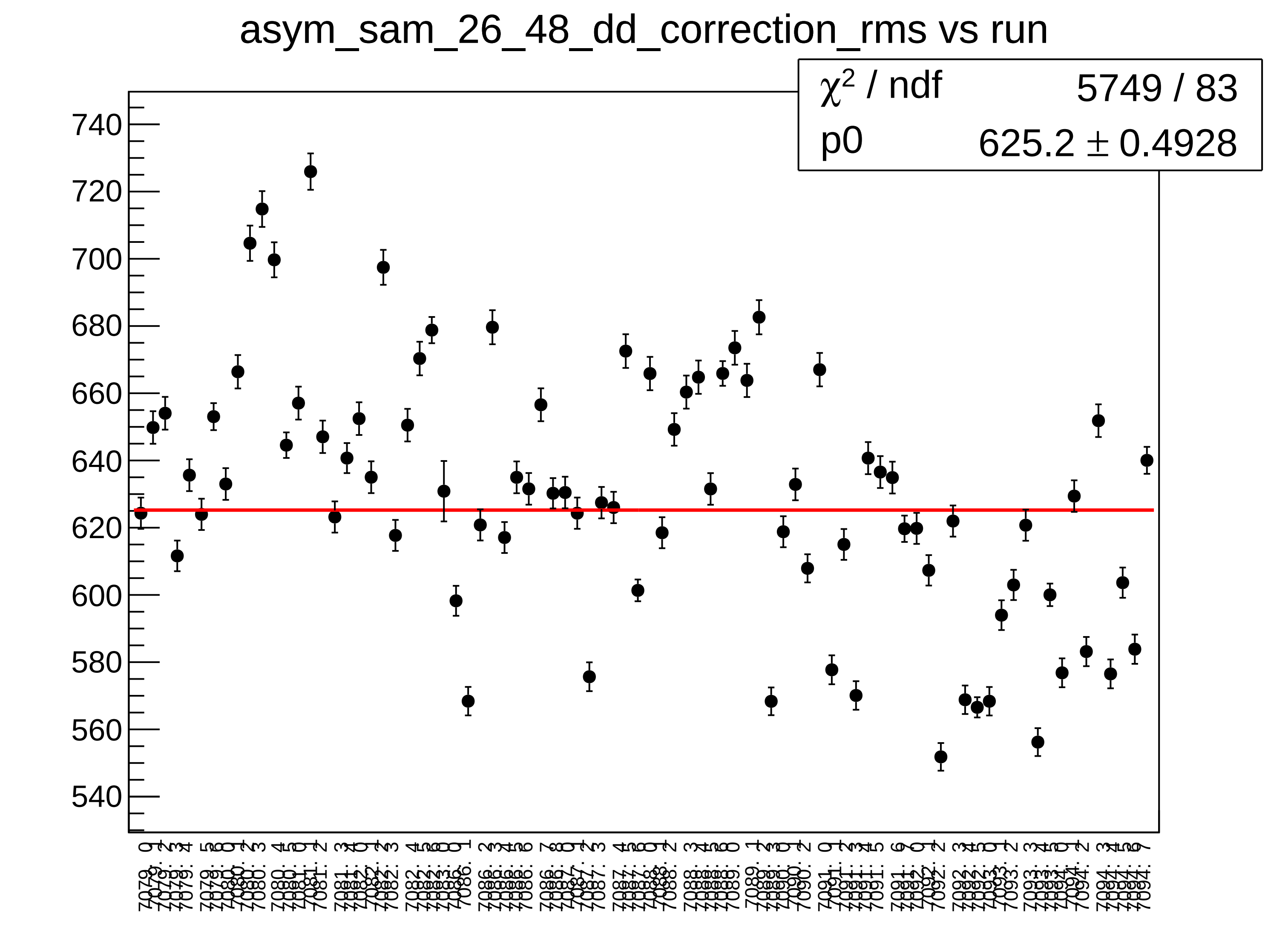

reg_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 90.76 / 83
p0 104.6 ± 106.7
pull
Entries 84
Mean −109
Std Dev 171.5
pull1D
Entries 84
Mean 0.01273
Std Dev 1.039



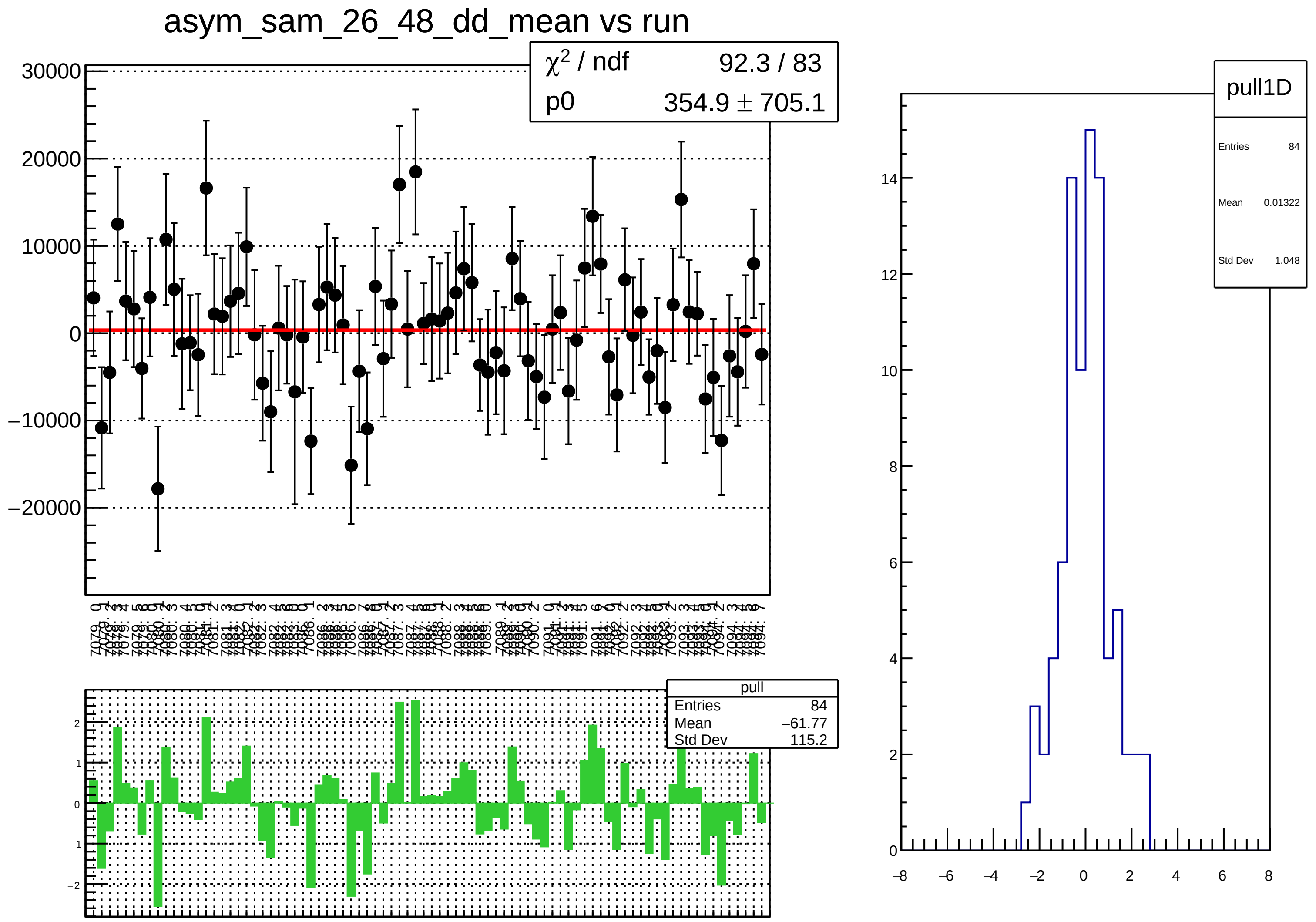
reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 3286 / 83
p0 95.82 ± 0.07546
110
105
100
95
90



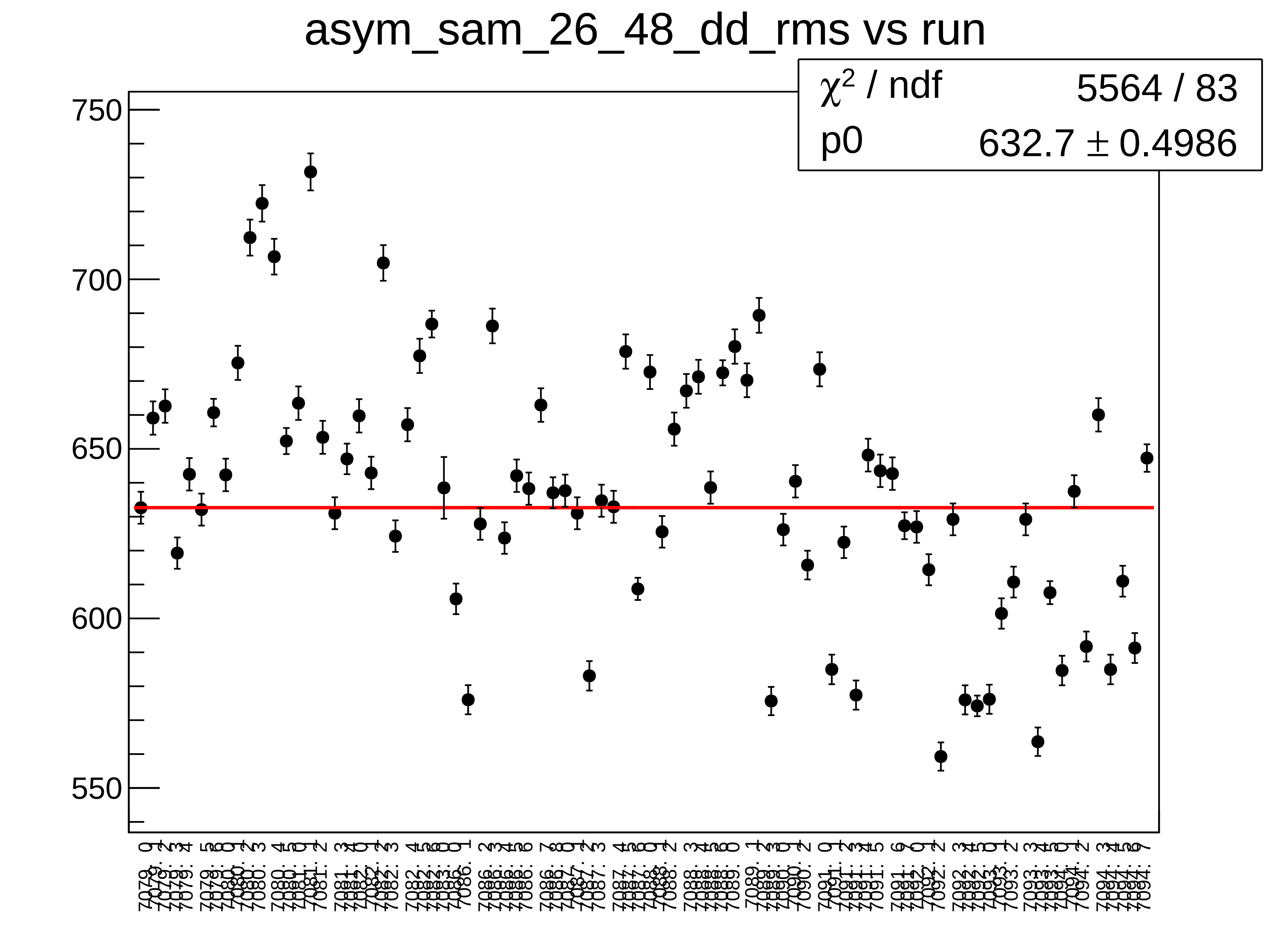
asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 92.62 / 83
p0 −259.6 ± 696.9
pull
Entries 84
Mean −60.85
Std Dev 111.9
pull1D
Entries 84
Mean −0.01068
Std Dev 1.05



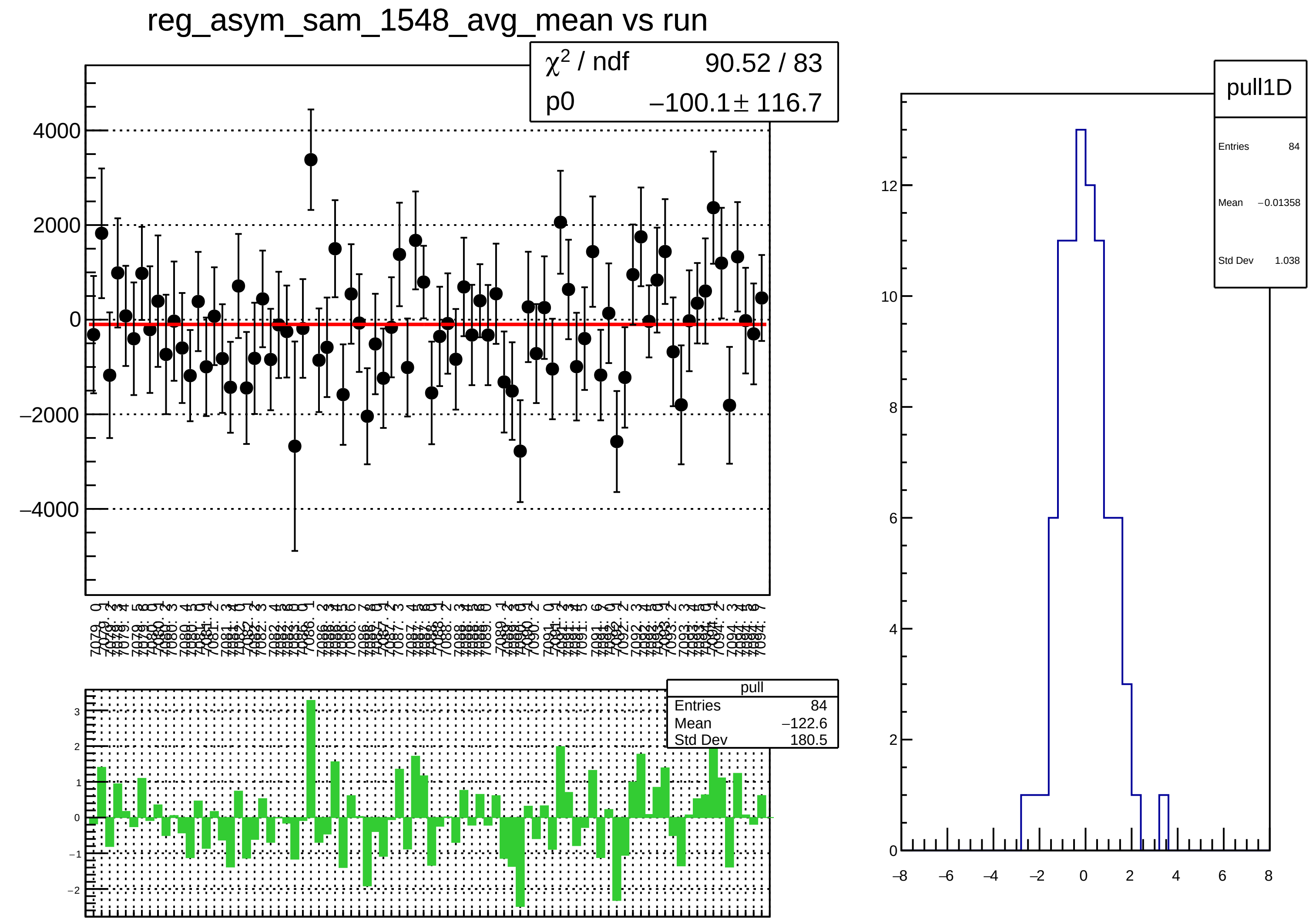
asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 5749 / 83
p0 625.2 ± 0.4928
740
720
700
680
660
640
620
600
580
560
540



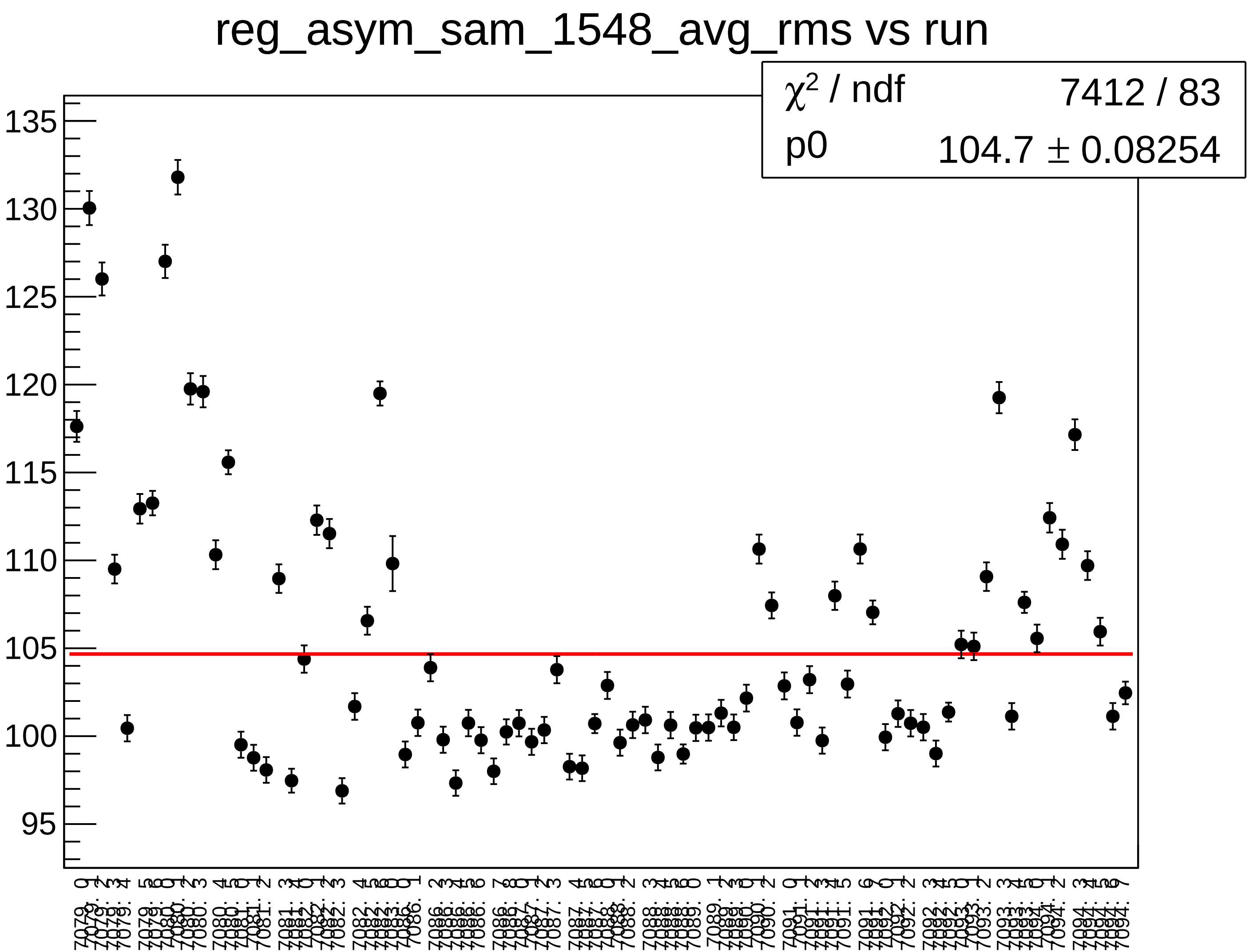
asym_sam_26_48_dd_mean vs run
χ^2 / ndf 92.3 / 83
p0 354.9 ± 705.1
pull
Entries 84
Mean −61.77
Std Dev 115.2
pull1D
Entries 84
Mean 0.01322
Std Dev 1.048

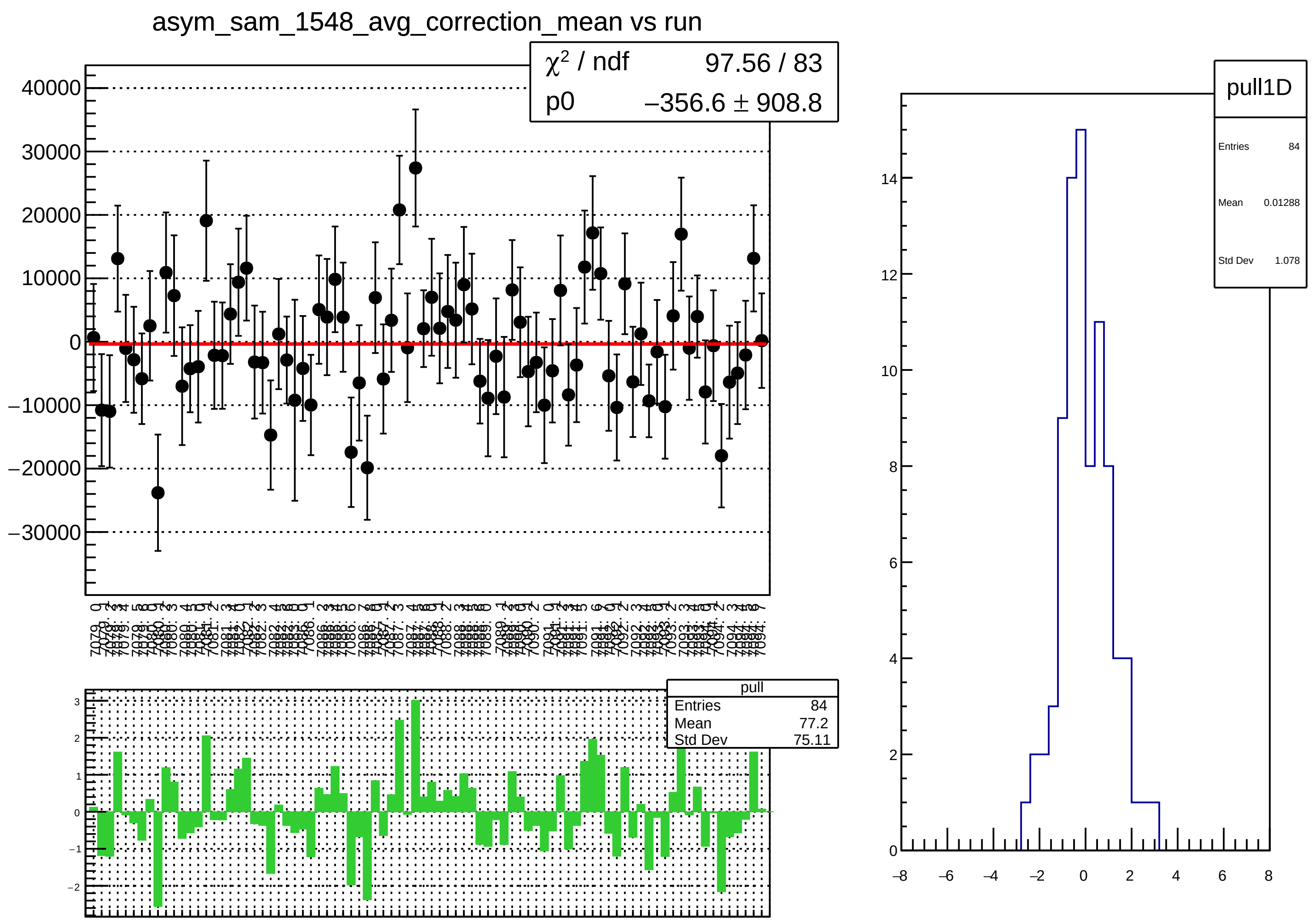


asym_sam_26_48_dd_rms vs run
χ^2 / ndf 5564 / 83
p0 632.7 ± 0.4986
750
700
650
600
550

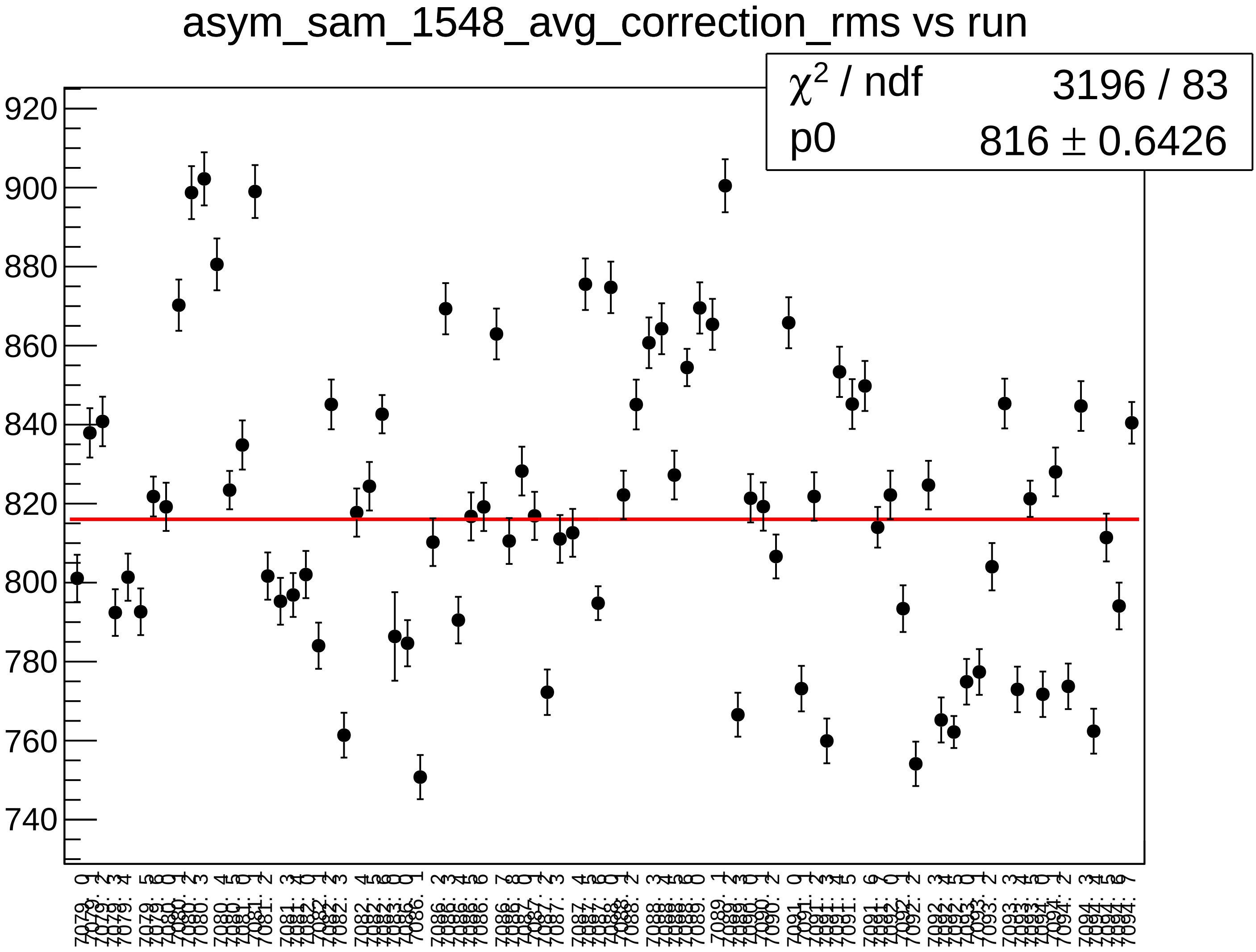


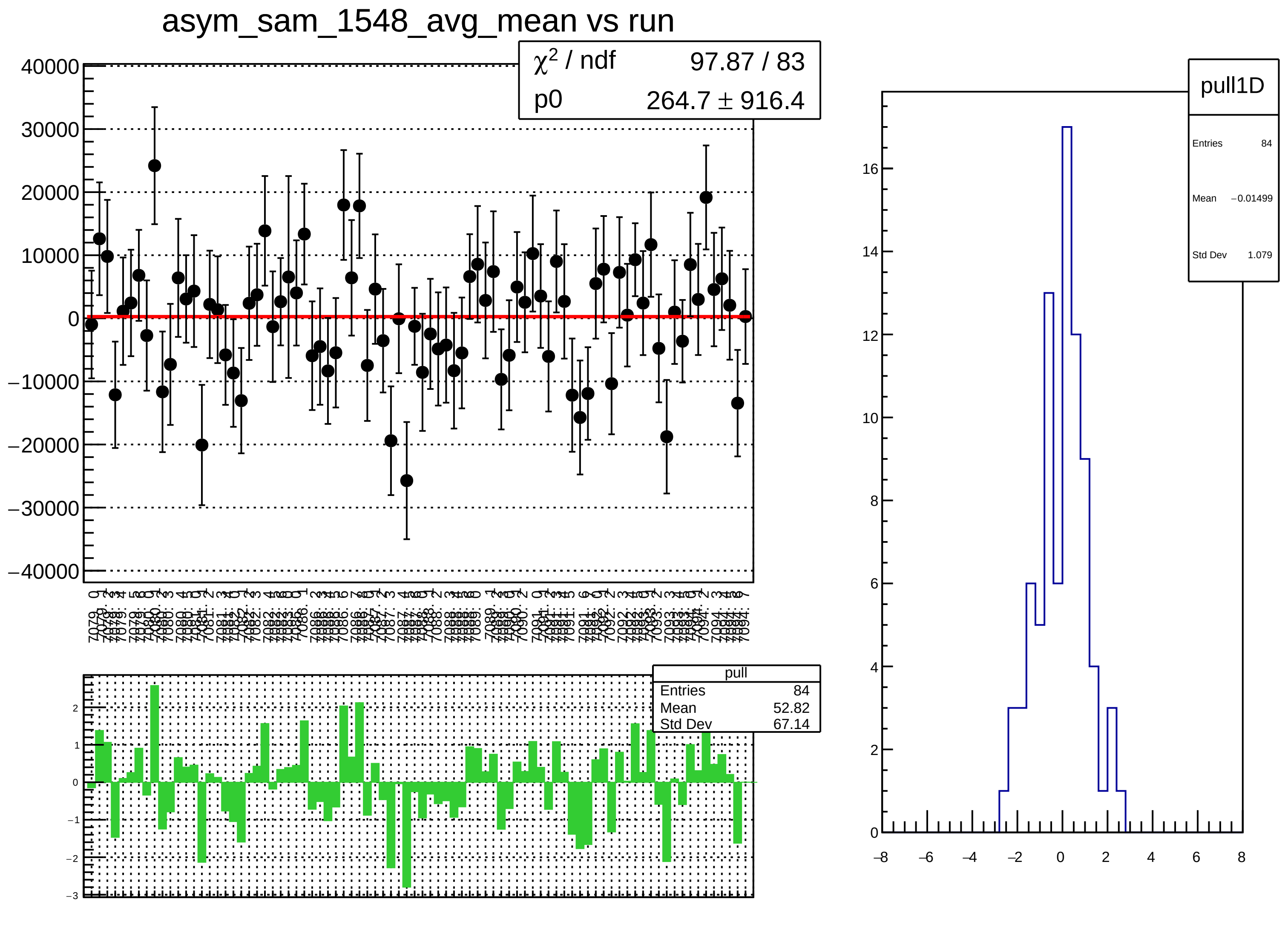
reg_asym_sam_1548_avg_mean vs run
χ^2 / ndf 90.52 / 83
p0 −100.1 ± 116.7
4000
2000
0
−2000
−4000
pull
Entries 84
Mean −122.6
Std Dev 180.5
pull1D
Entries 84
Mean −0.01358
Std Dev 1.038


reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 7412 / 83
p0 104.7 ± 0.08254

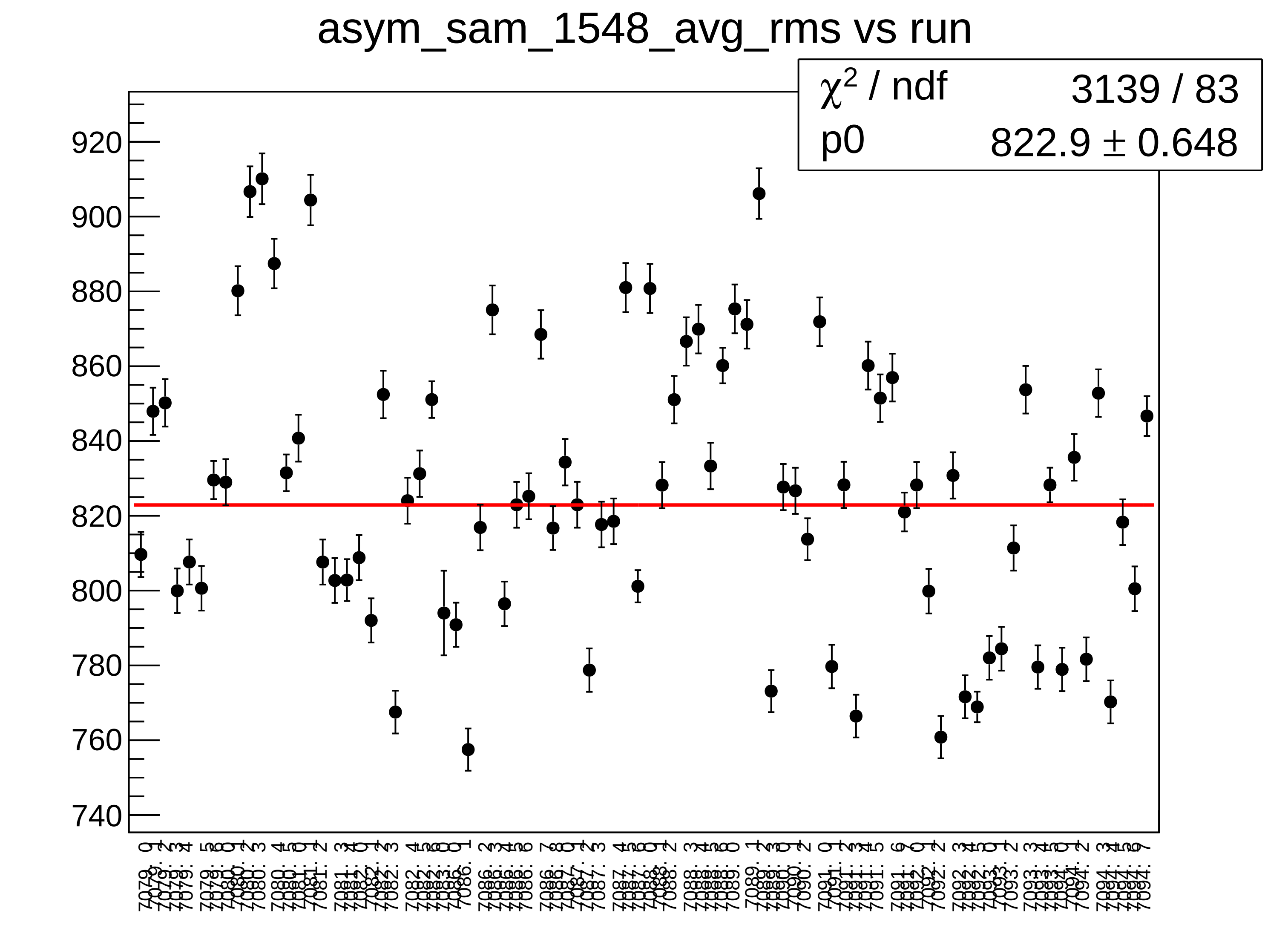


asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 97.56 / 83
p0 −356.6 ± 908.8
pull
Entries 84
Mean 77.2
Std Dev 75.11
pull1D
Entries 84
Mean 0.01288
Std Dev 1.078

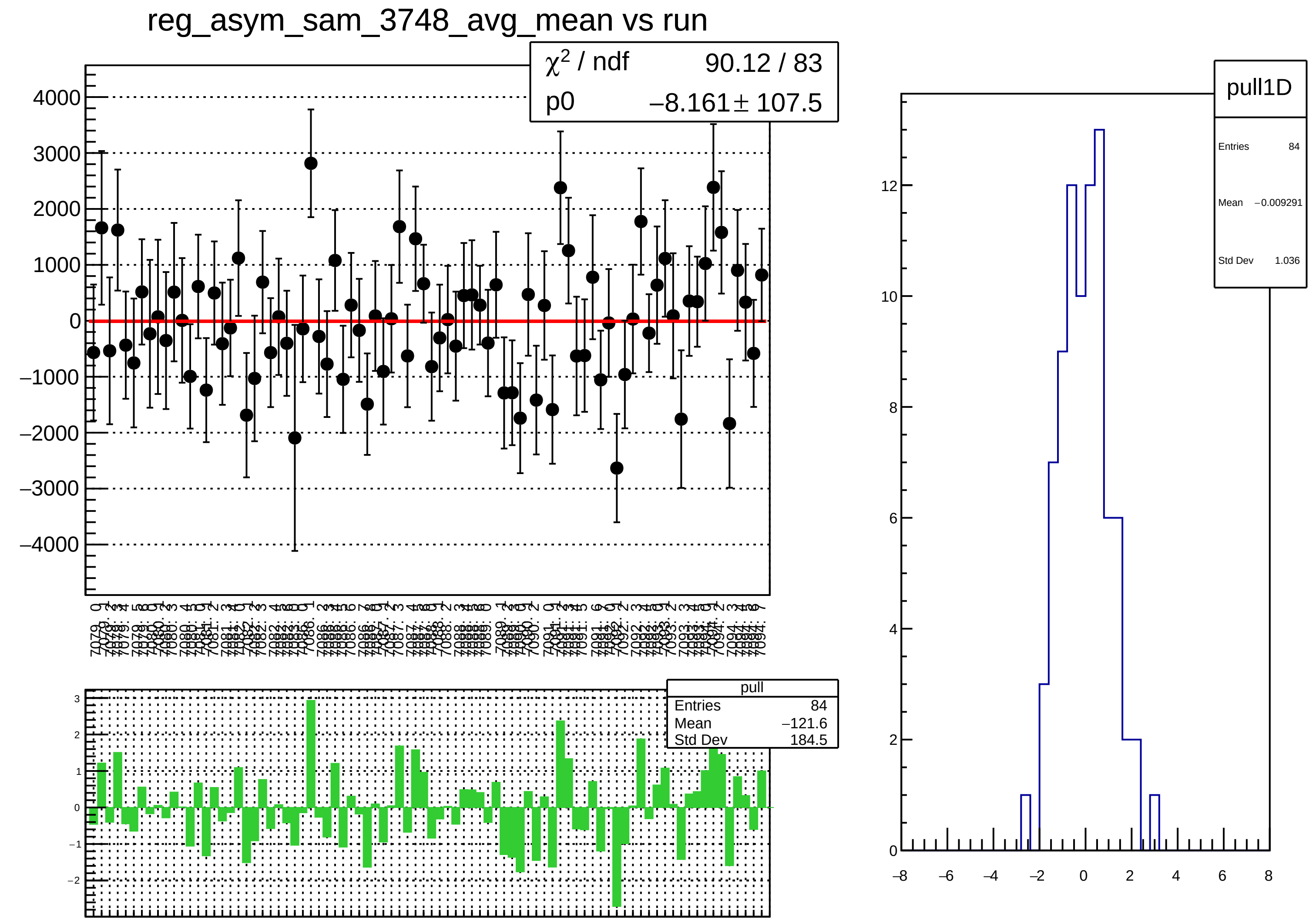

asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 3196 / 83
p0 816 ± 0.6426
920
900
880
860
840
820
800
780
760
740



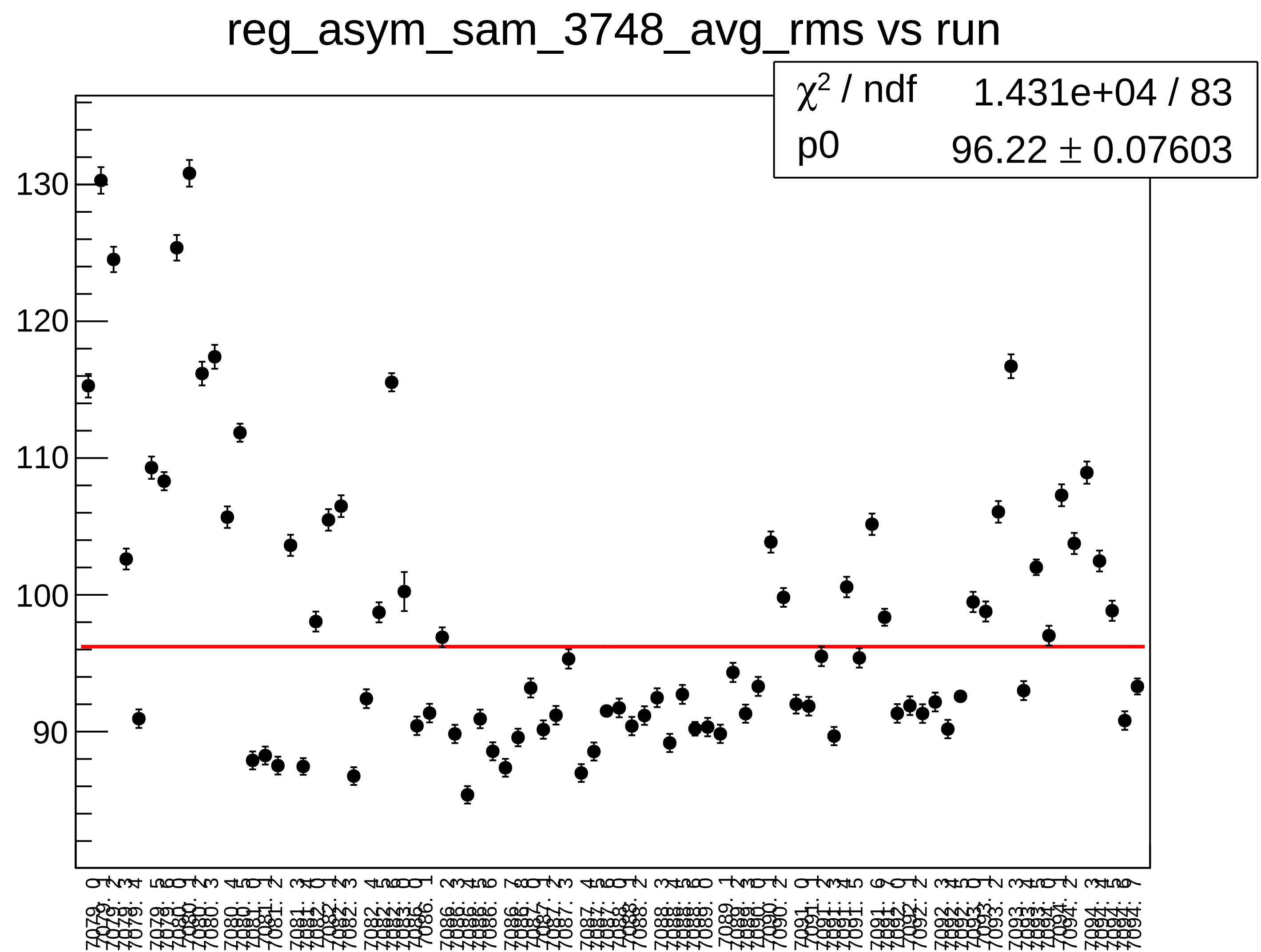
asym_sam_1548_avg_mean vs run
χ^2 / ndf 97.87 / 83
p0 264.7 ± 916.4
pull
Entries 84
Mean 52.82
Std Dev 67.14
pull1D
Entries 84
Mean −0.01499
Std Dev 1.079

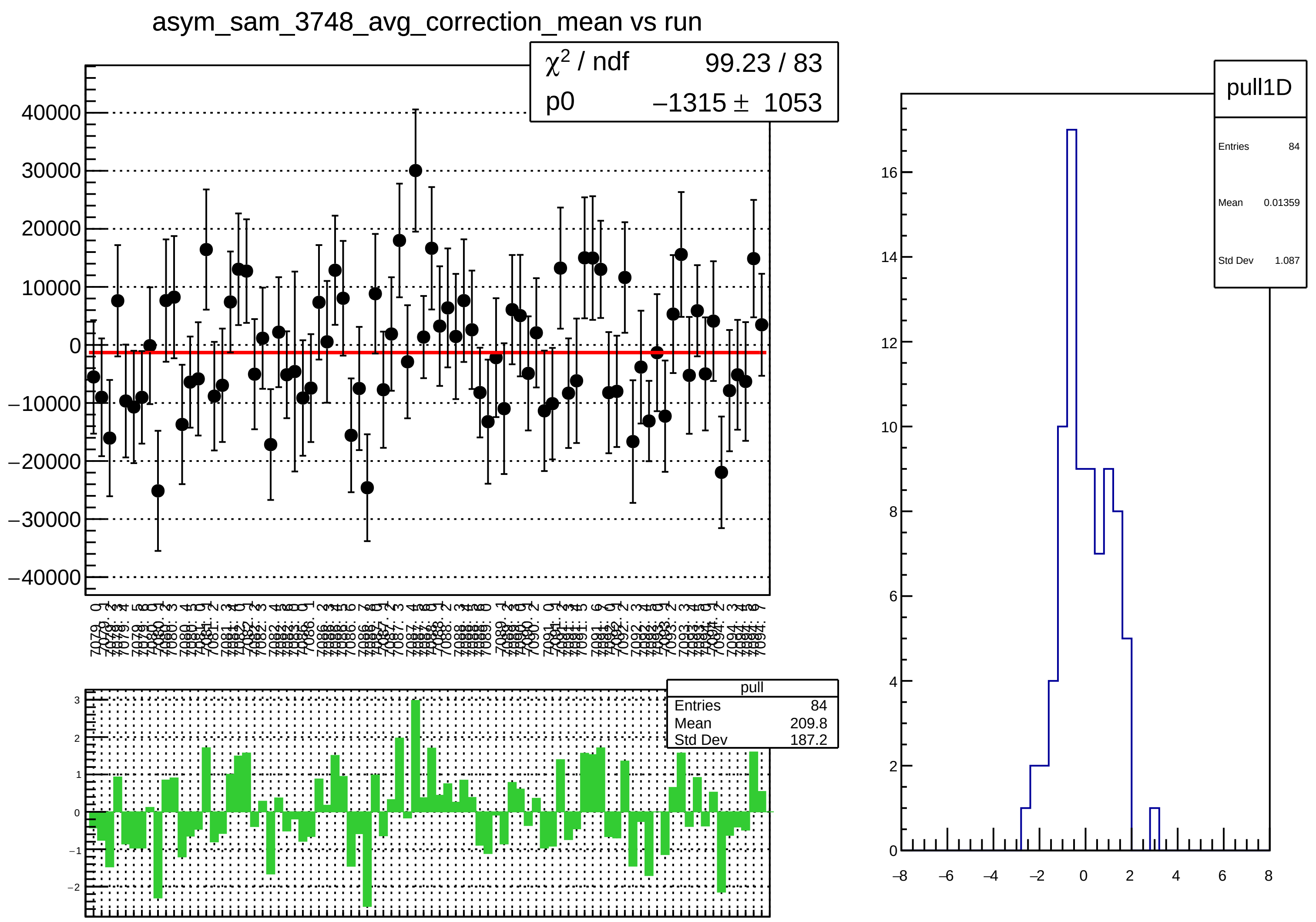


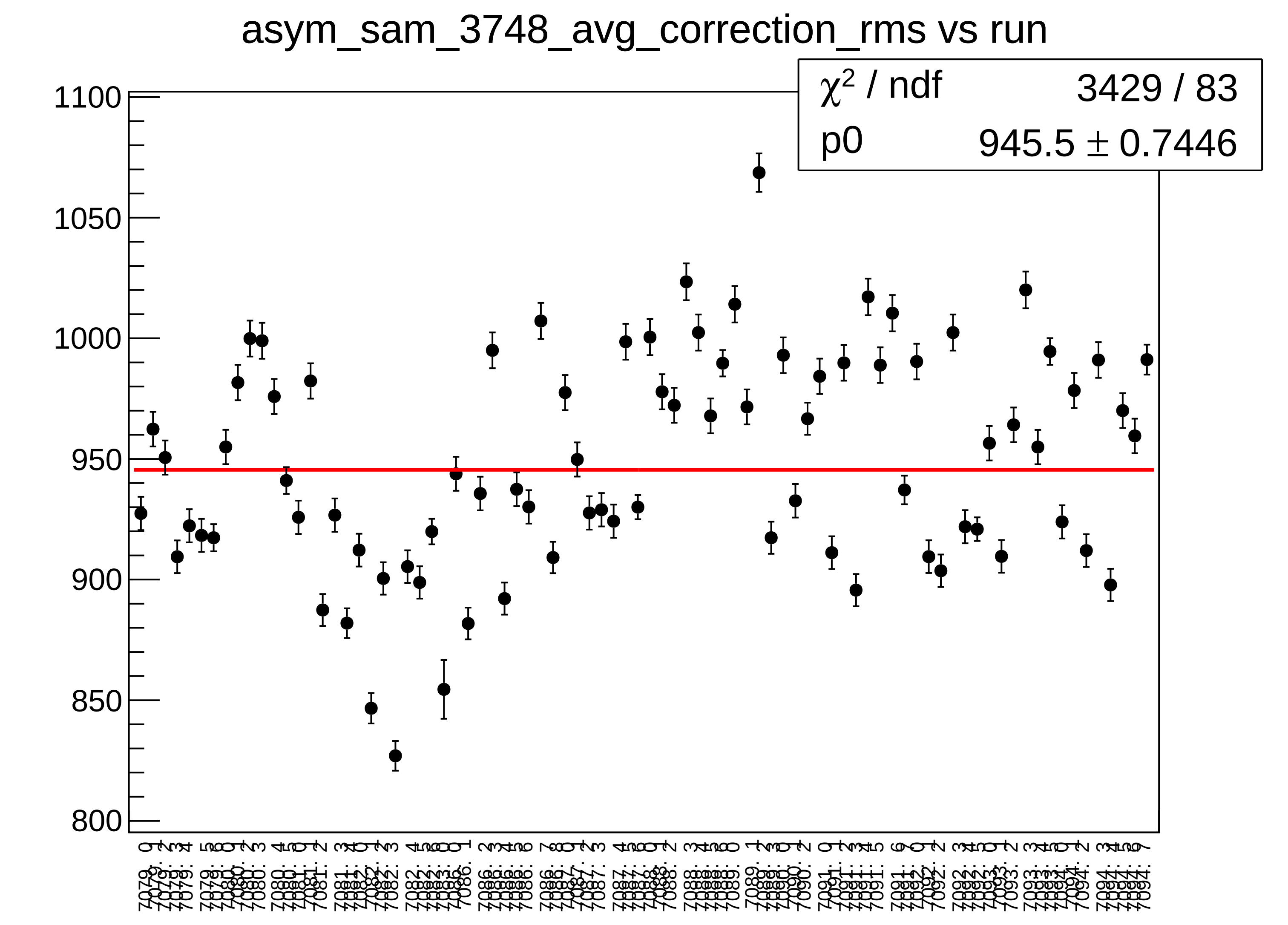
asym_sam_1548_avg_rms vs run
χ^2 / ndf 3139 / 83
p0 822.9 ± 0.648
920
900
880
860
840
820
800
780
760
740

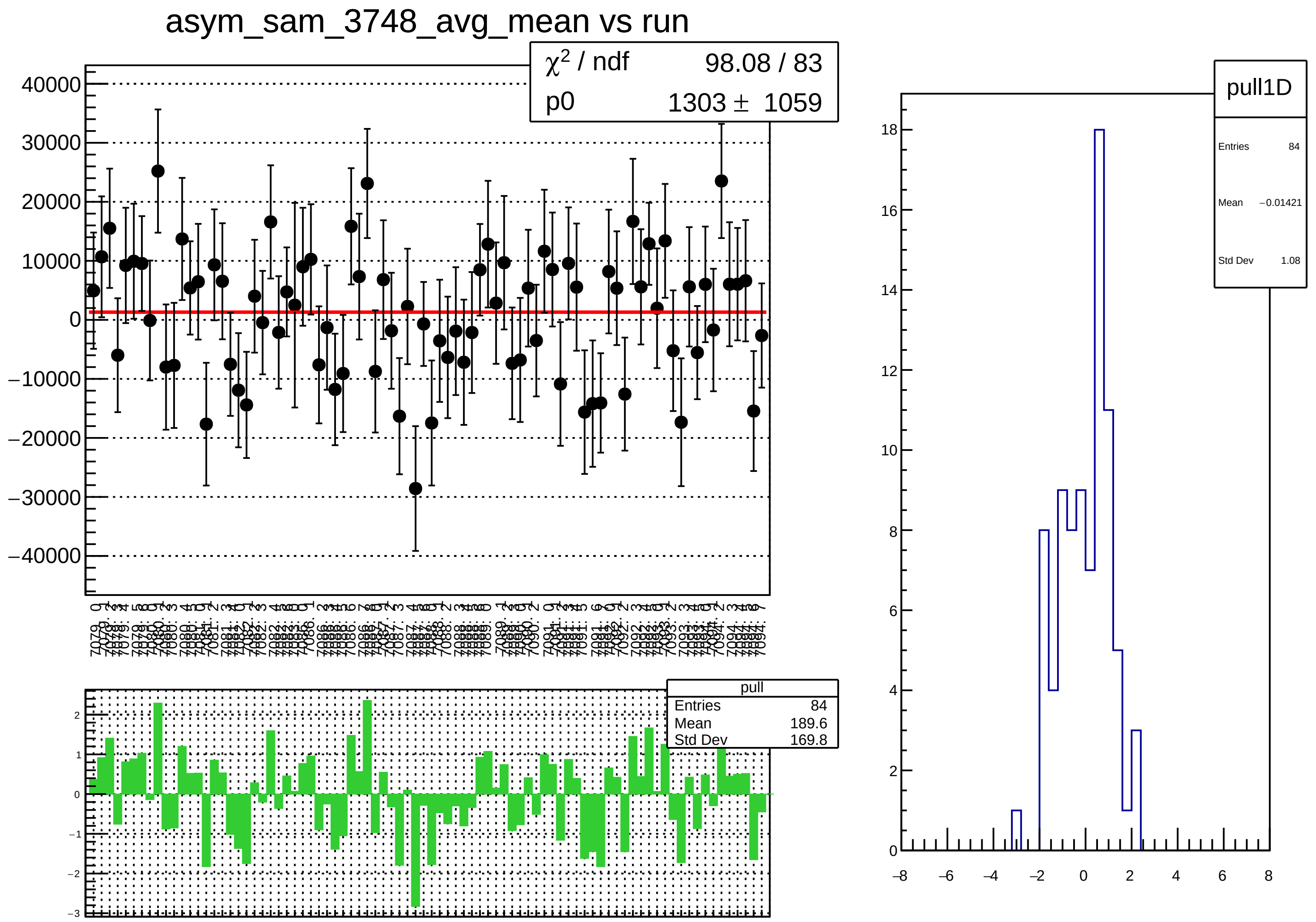


reg_asym_sam_3748_avg_mean vs run
χ^2 / ndf 90.12 / 83
p0 −8.161 ± 107.5
pull
Entries 84
Mean −121.6
Std Dev 184.5
pull1D
Entries 84
Mean −0.009291
Std Dev 1.036

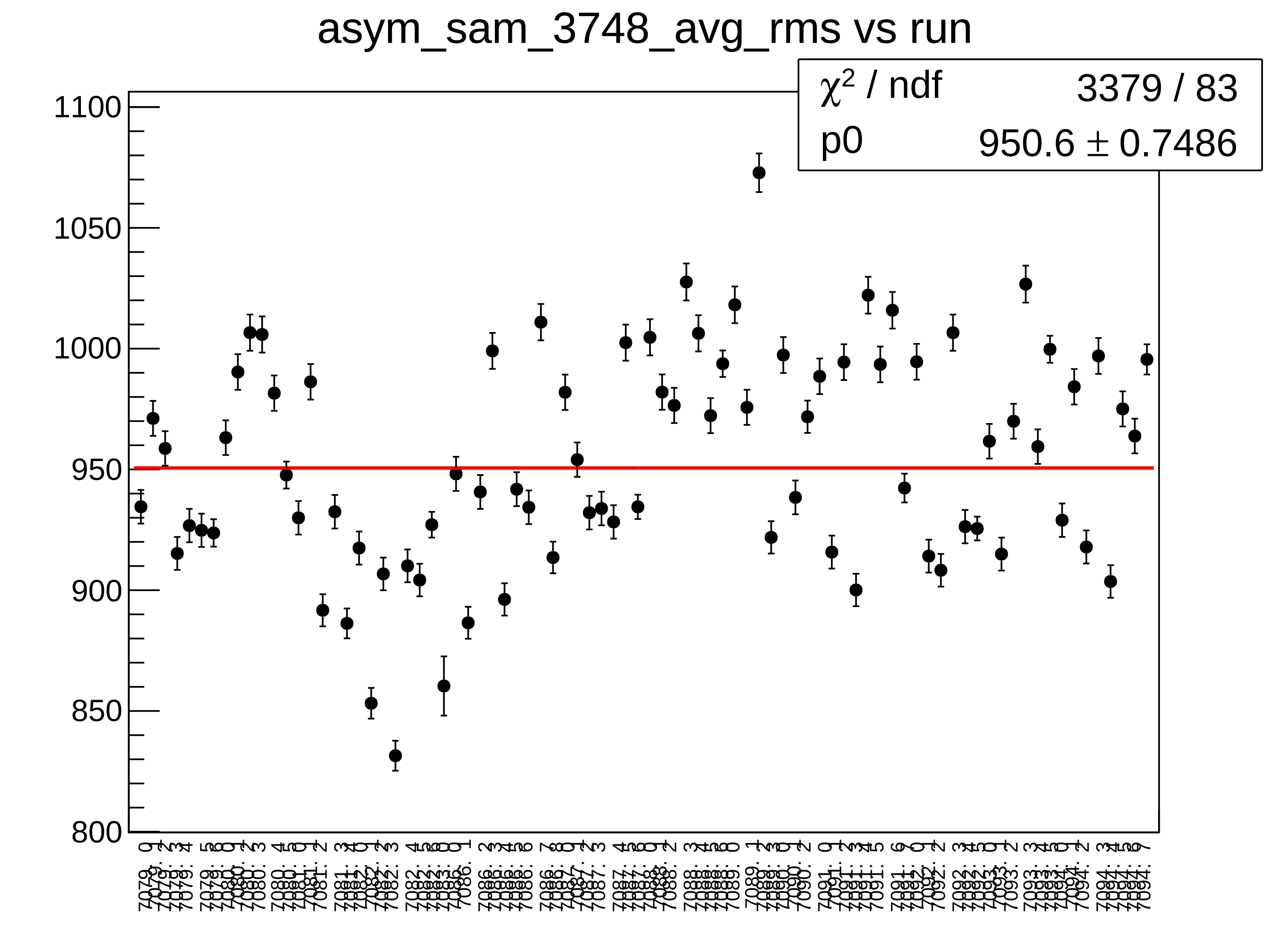

reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.431e+04 / 83
p0 96.22 ± 0.07603
130
120
110
100
90

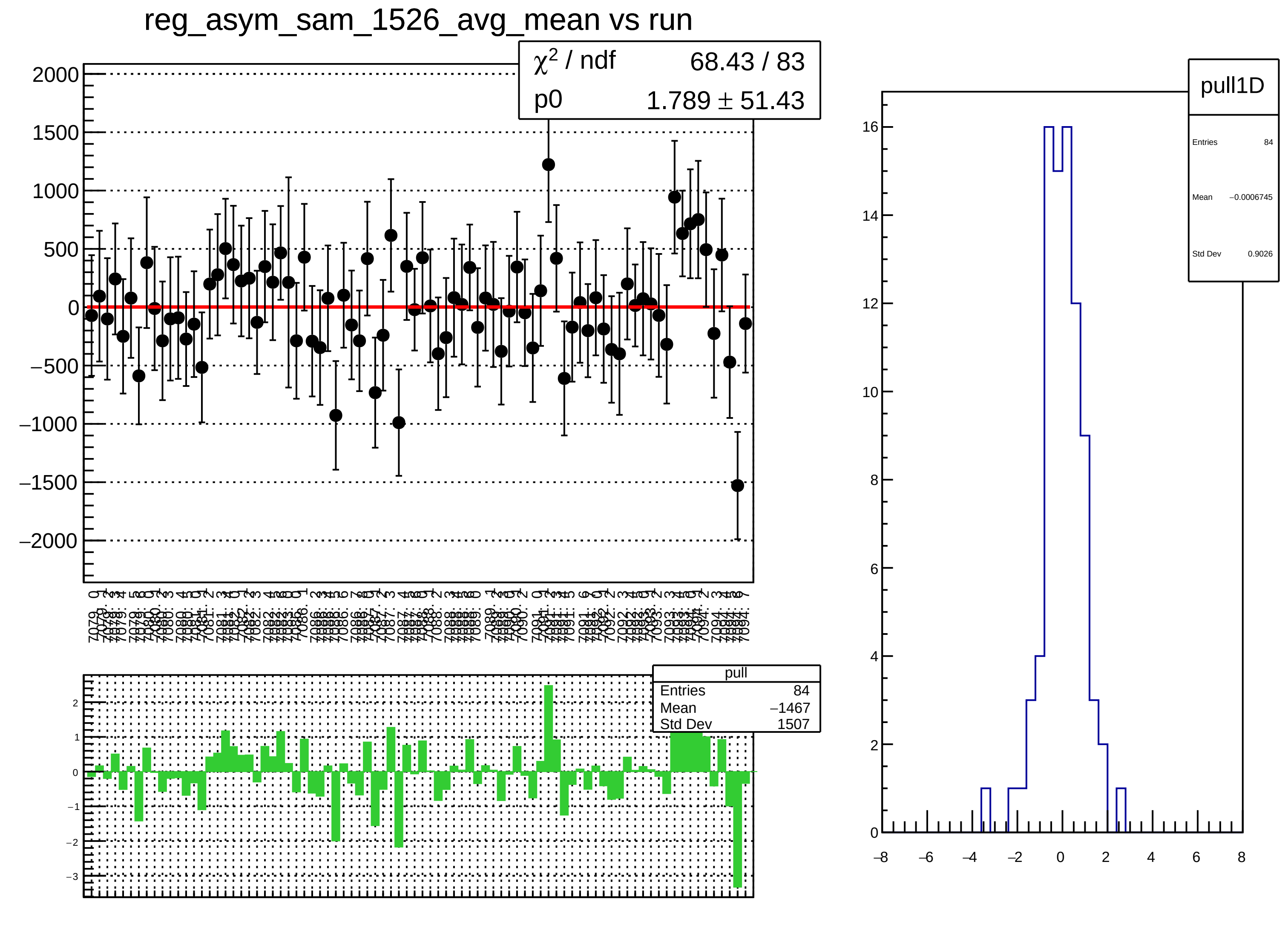

asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 99.23 / 83
p0 −1315 ± 1053
pull
Entries 84
Mean 209.8
Std Dev 187.2
pull1D
Entries 84
Mean 0.01359
Std Dev 1.087

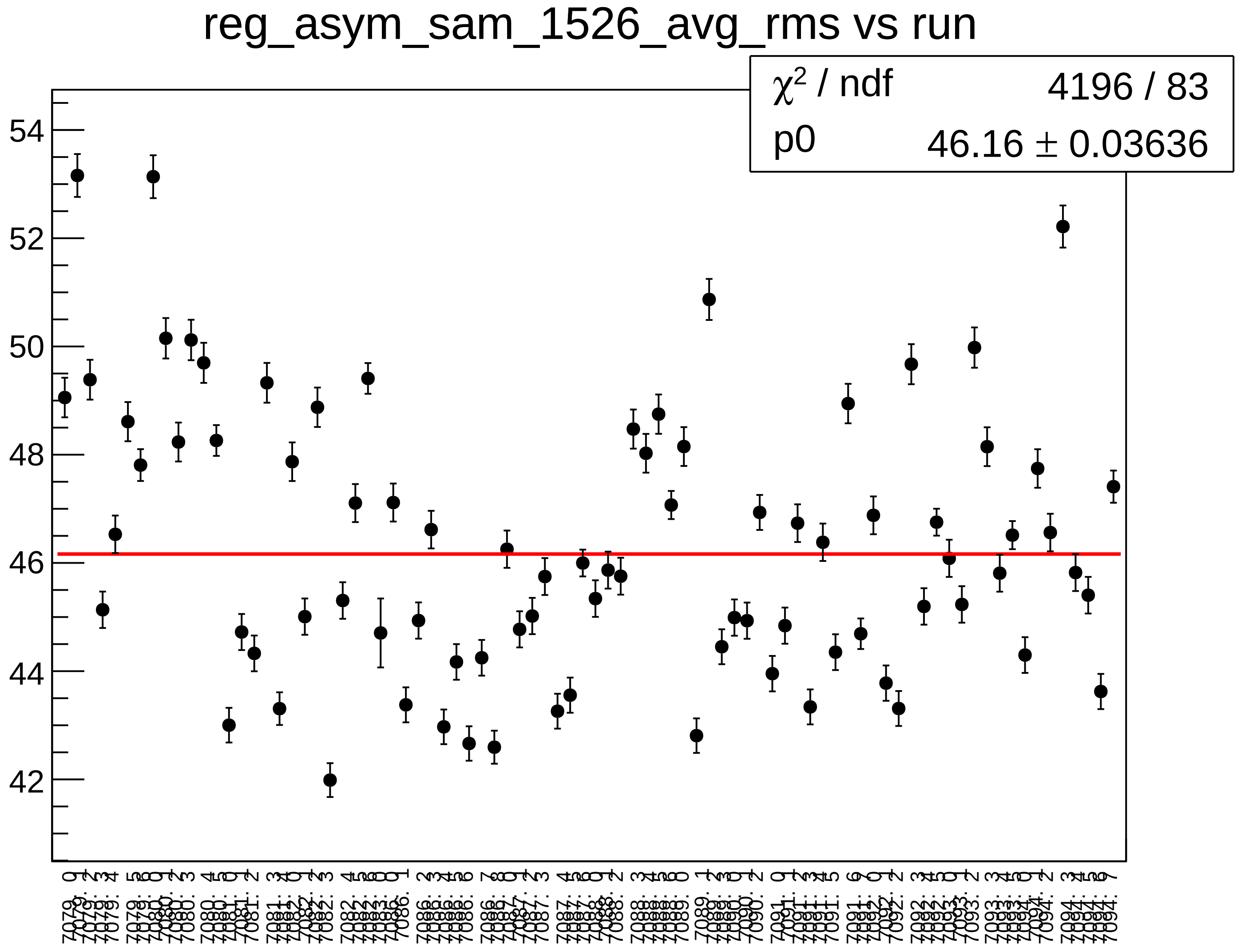

asym_sam_3748_avg_correction_rms vs run
χ2 / ndf 3429 / 83
p0 945.5 ± 0.7446
1100
1050
1000
950
900
850
800



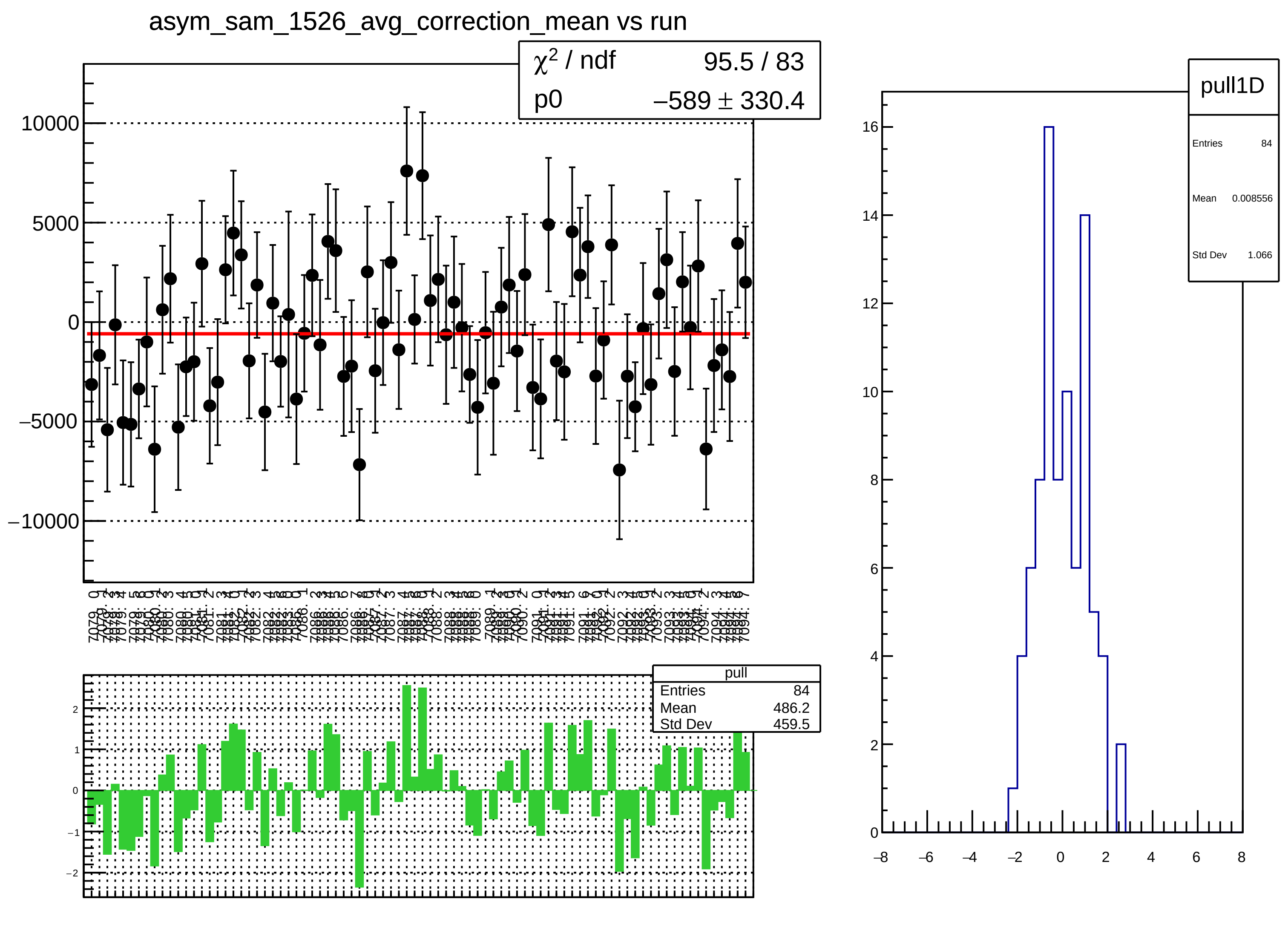
asym_sam_3748_avg_mean vs run
χ^2 / ndf 98.08 / 83
p0 1303 ± 1059
pull
Entries 84
Mean 189.6
Std Dev 169.8
pull1D
Entries 84
Mean −0.01421
Std Dev 1.08


asym_sam_3748_avg_rms vs run
χ2 / ndf 3379 / 83
p0 950.6 ± 0.7486

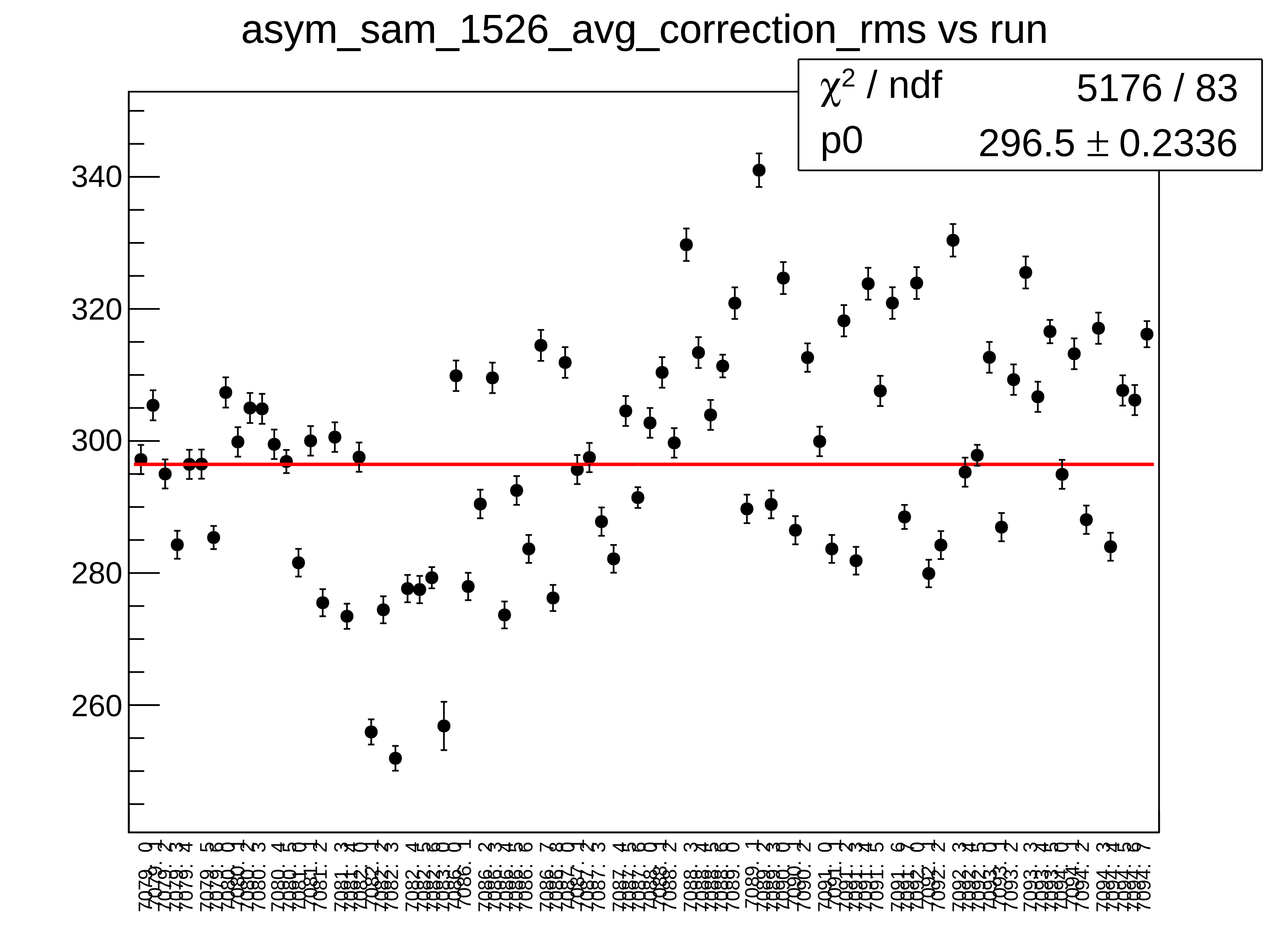

reg_asym_sam_1526_avg_mean vs run
χ^2 / ndf 68.43 / 83
p0 1.789 ± 51.43
pull
Entries 84
Mean −1467
Std Dev 1507
pull1D
Entries 84
Mean −0.0006745
Std Dev 0.9026

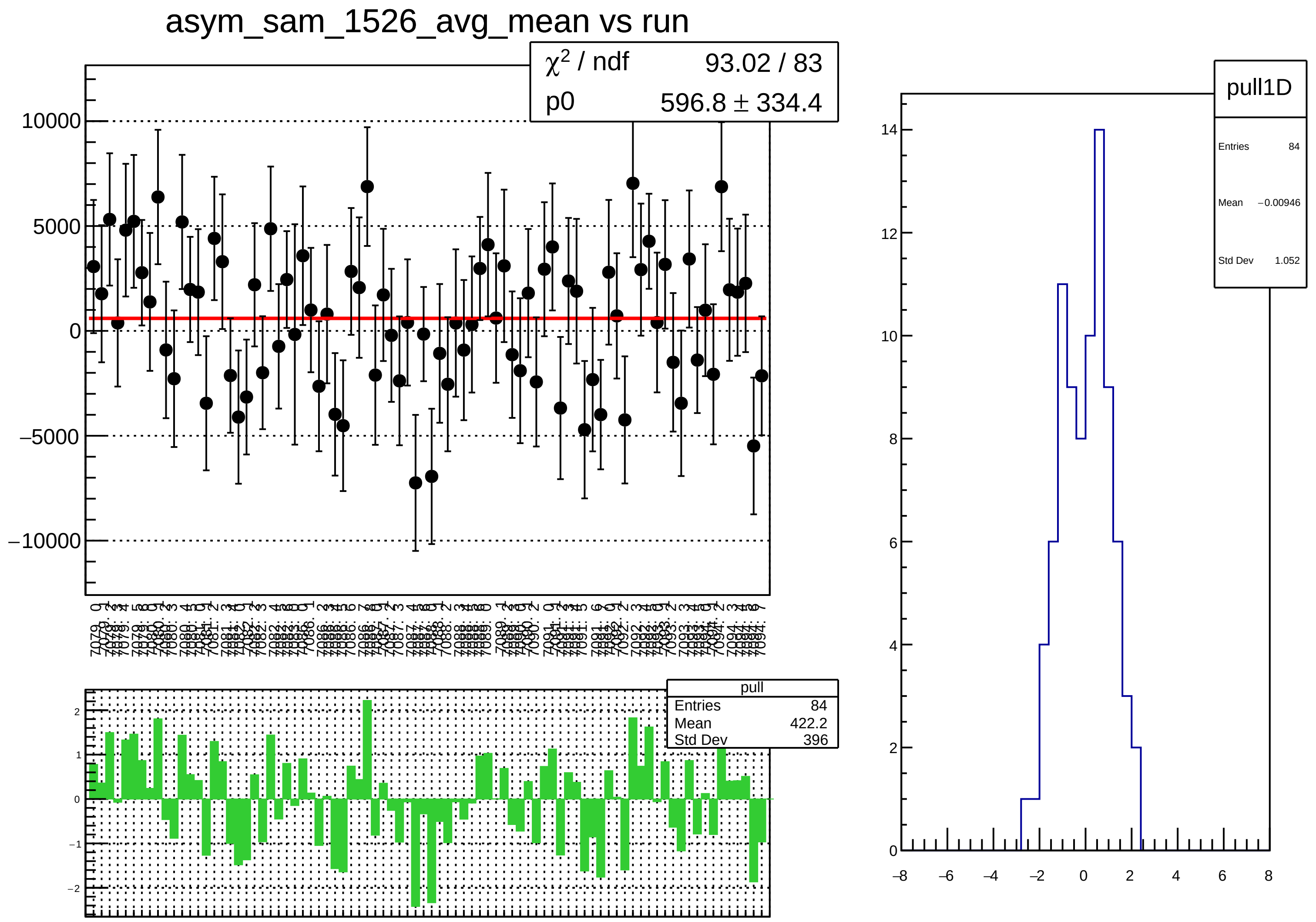


reg_asym_sam_1526_avg_rms vs run
χ2 / ndf 4196 / 83
p0 46.16 ± 0.03636
54
52
50
48
46
44
42

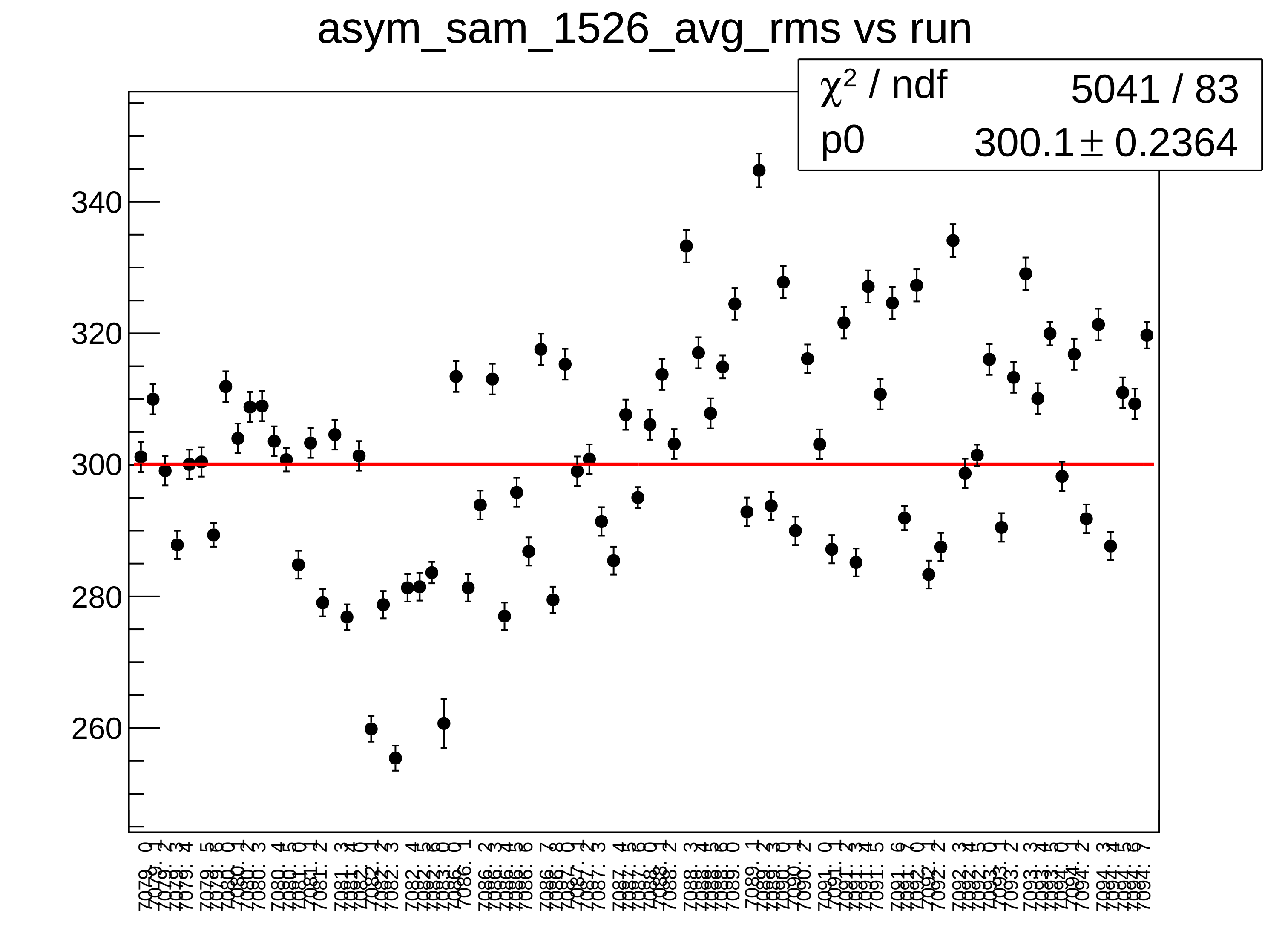


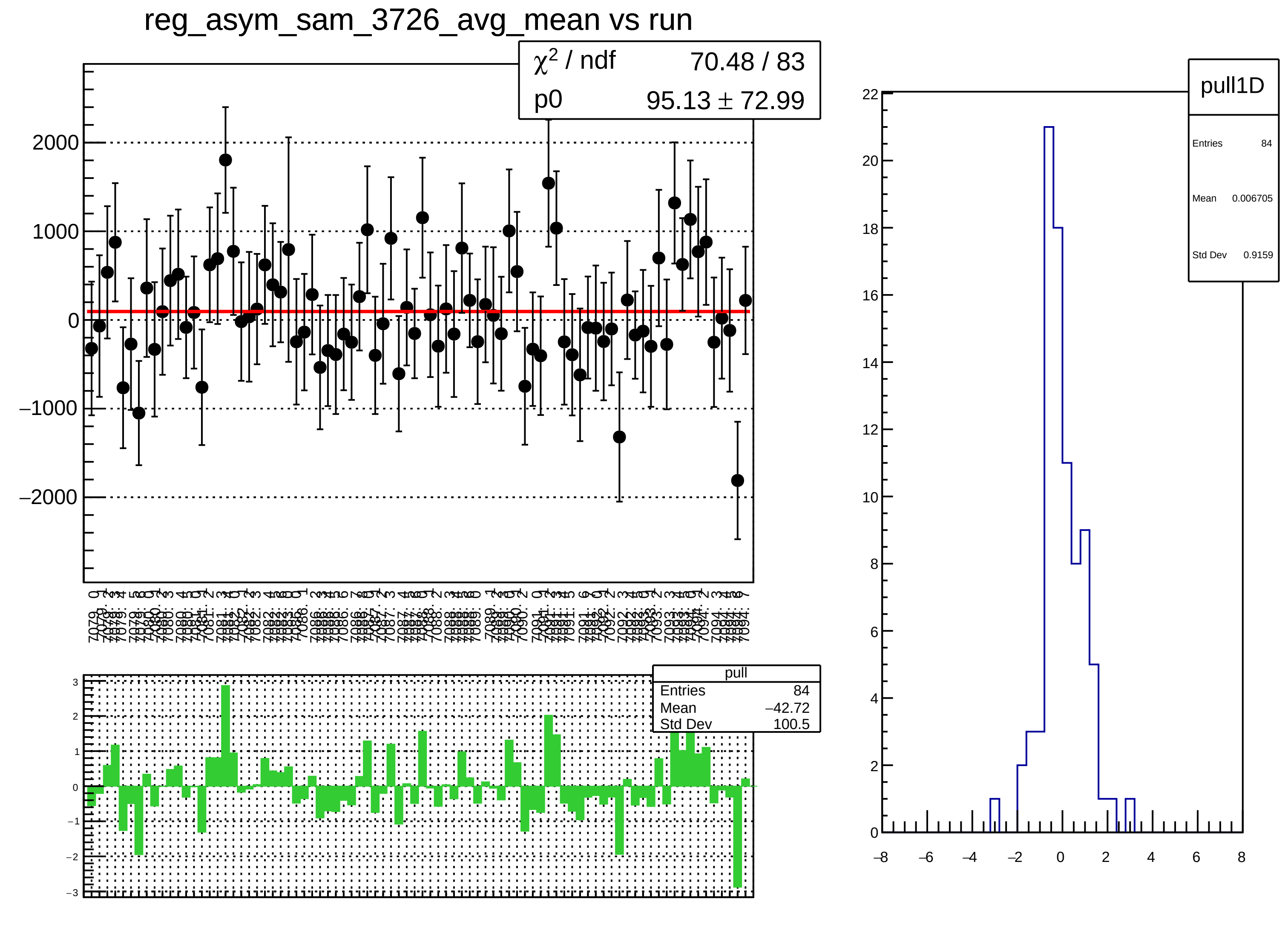
asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 95.5 / 83
p0 −589 ± 330.4
pull
Entries 84
Mean 486.2
Std Dev 459.5
pull1D
Entries 84
Mean 0.008556
Std Dev 1.066


asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 5176 / 83
p0 296.5 ± 0.2336
340
320
300
280
260

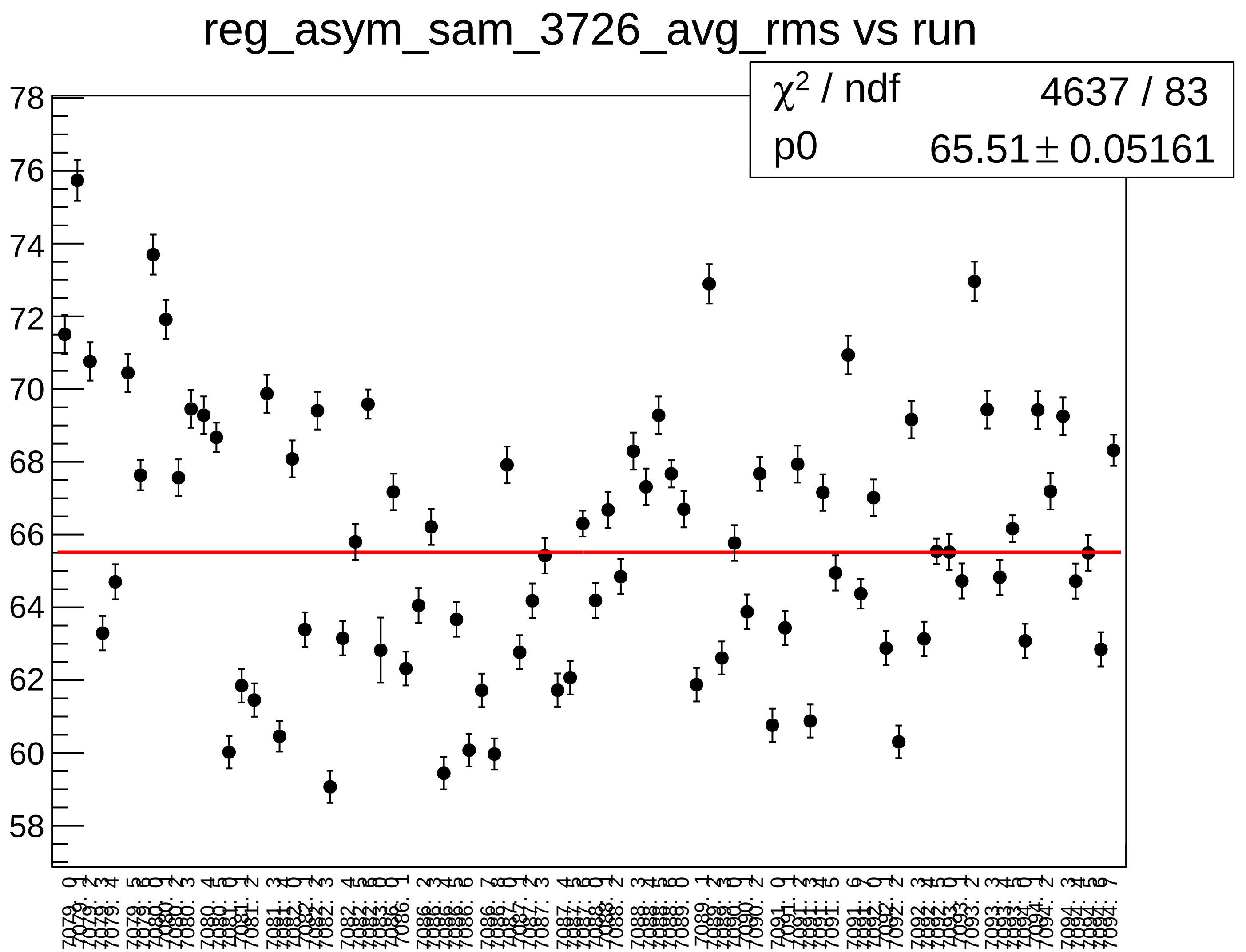


asym_sam_1526_avg_mean vs run
χ^2 / ndf 93.02 / 83
p0 596.8 ± 334.4
pull
Entries 84
Mean 422.2
Std Dev 396
pull1D
Entries 84
Mean −0.00946
Std Dev 1.052

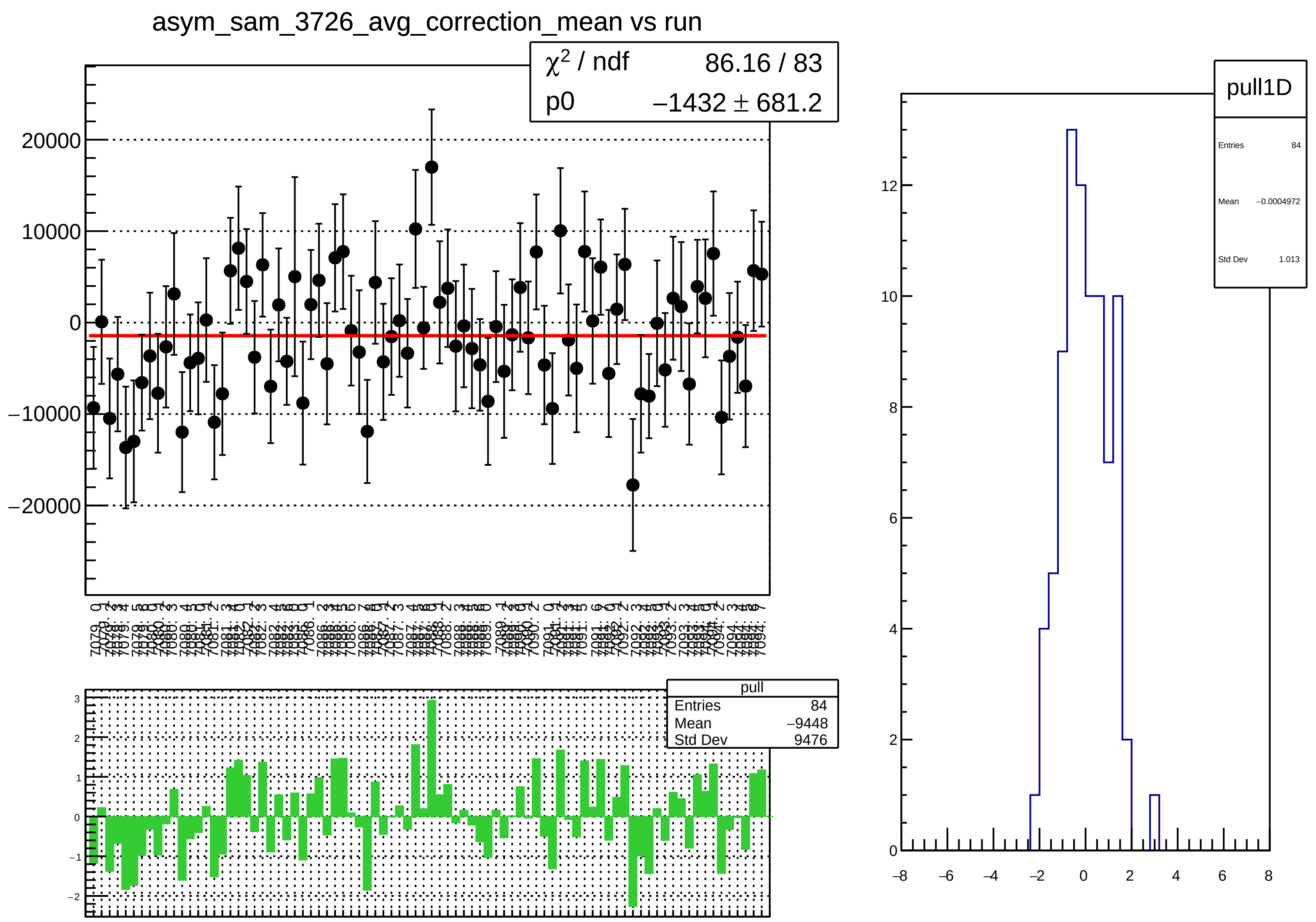

asym_sam_1526_avg_rms vs run
χ2 / ndf 5041 / 83
p0 300.1 ± 0.2364
340
320
300
280
260

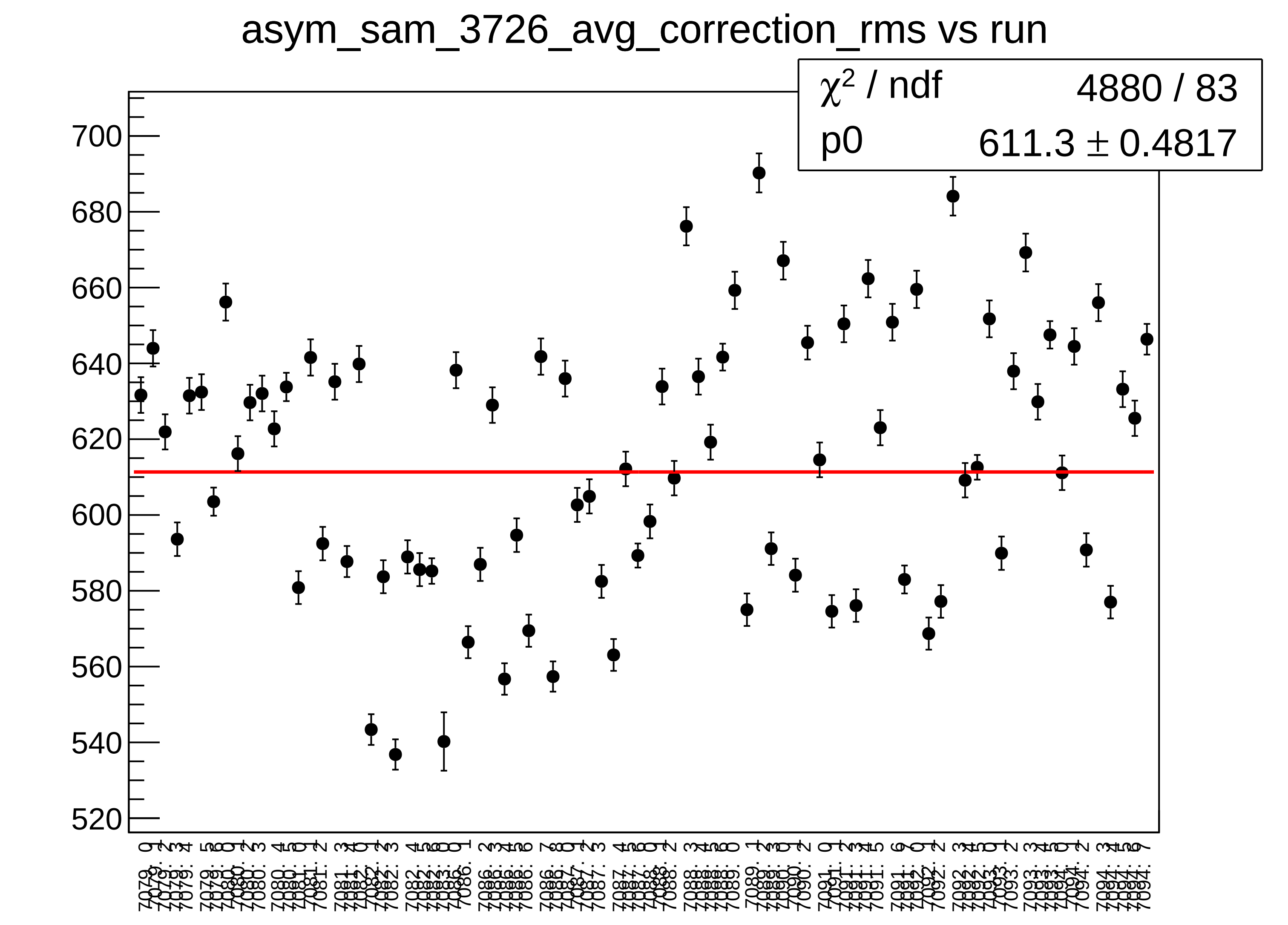


reg_asym_sam_3726_avg_mean vs run
χ^2 / ndf 70.48 / 83
p0 95.13 ± 72.99
pull
Entries 84
Mean −42.72
Std Dev 100.5
pull1D
Entries 84
Mean 0.006705
Std Dev 0.9159

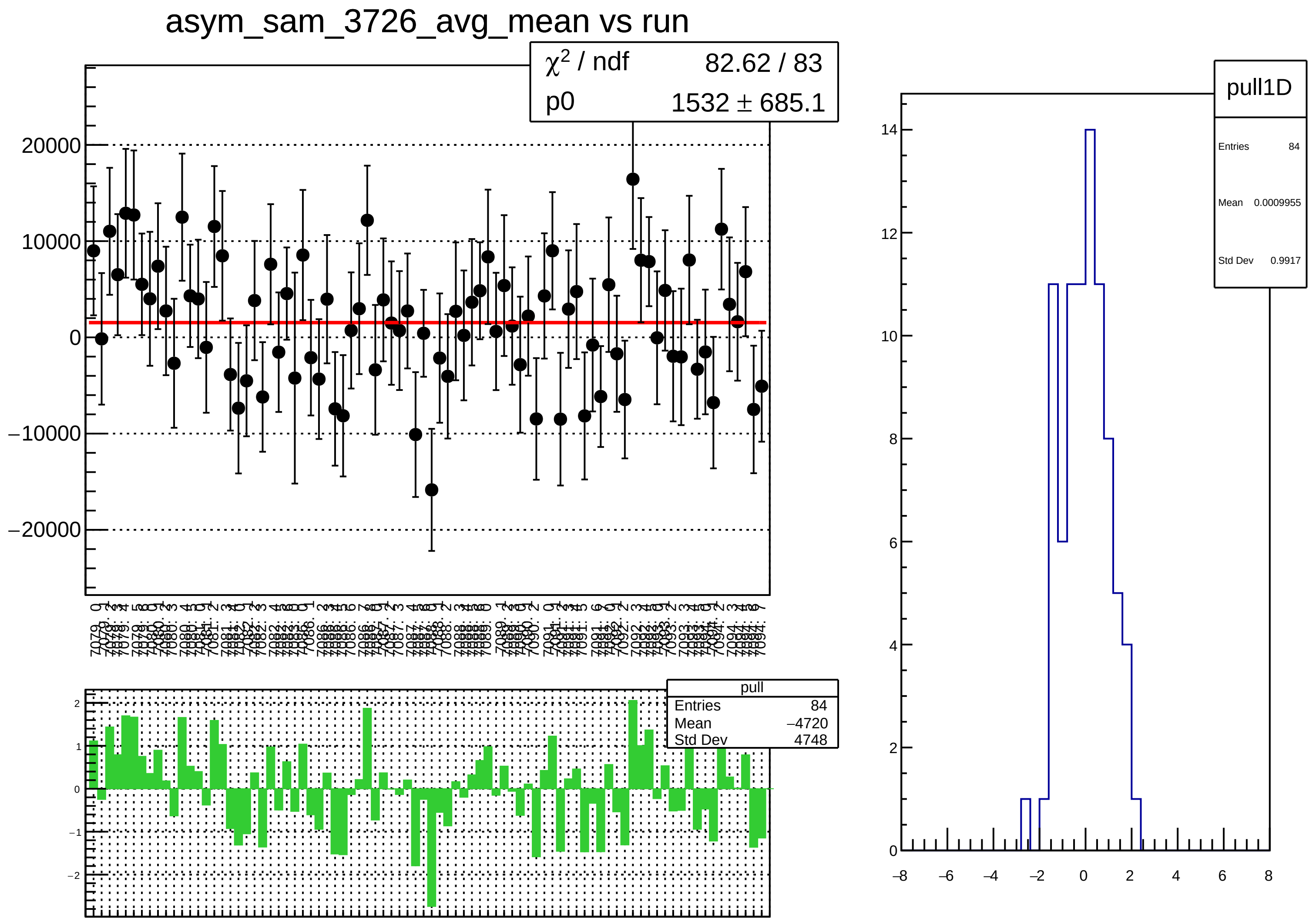


reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 4637 / 83
p0 65.51 ± 0.05161
78
76
74
72
70
68
66
64
62
60
58

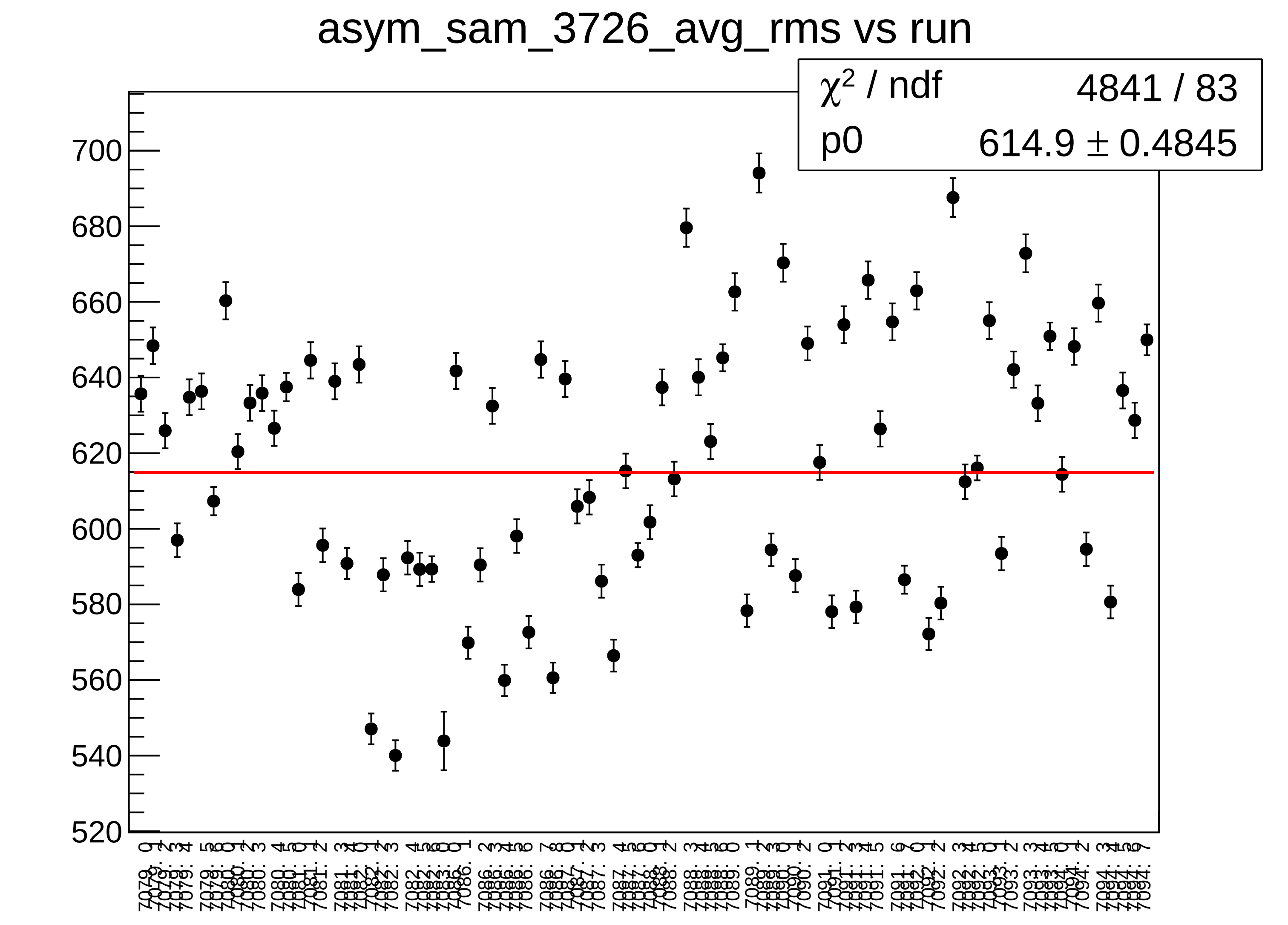

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 86.16 / 83
p0 −1432 ± 681.2
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −9448
Std Dev 9476
pull1D
Entries 84
Mean −0.0004972
Std Dev 1.013



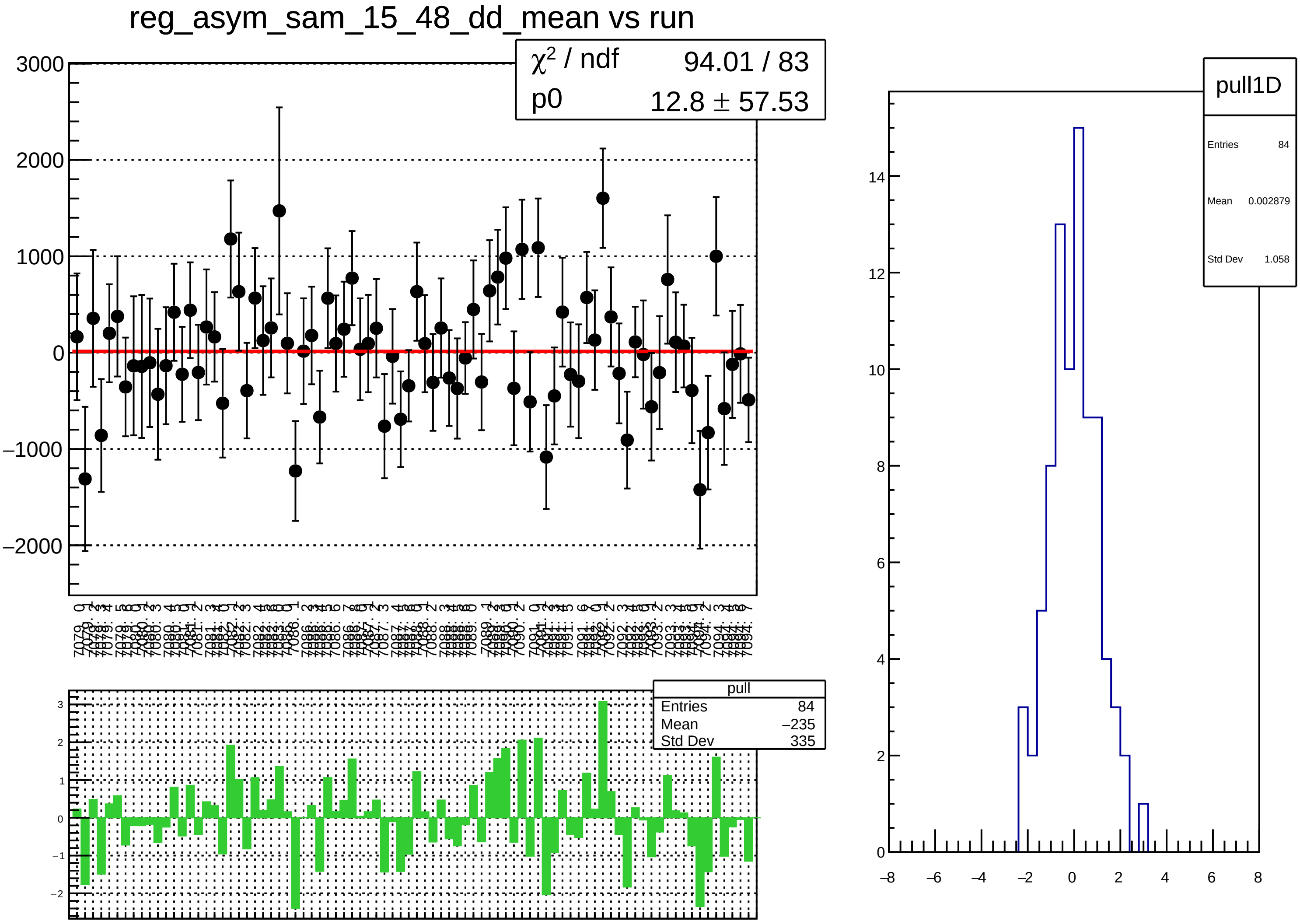
asym_sam_3726_avg_correction_rms vs run
χ2 / ndf 4880 / 83
p0 611.3 ± 0.4817
700
680
660
640
620
600
580
560
540
520



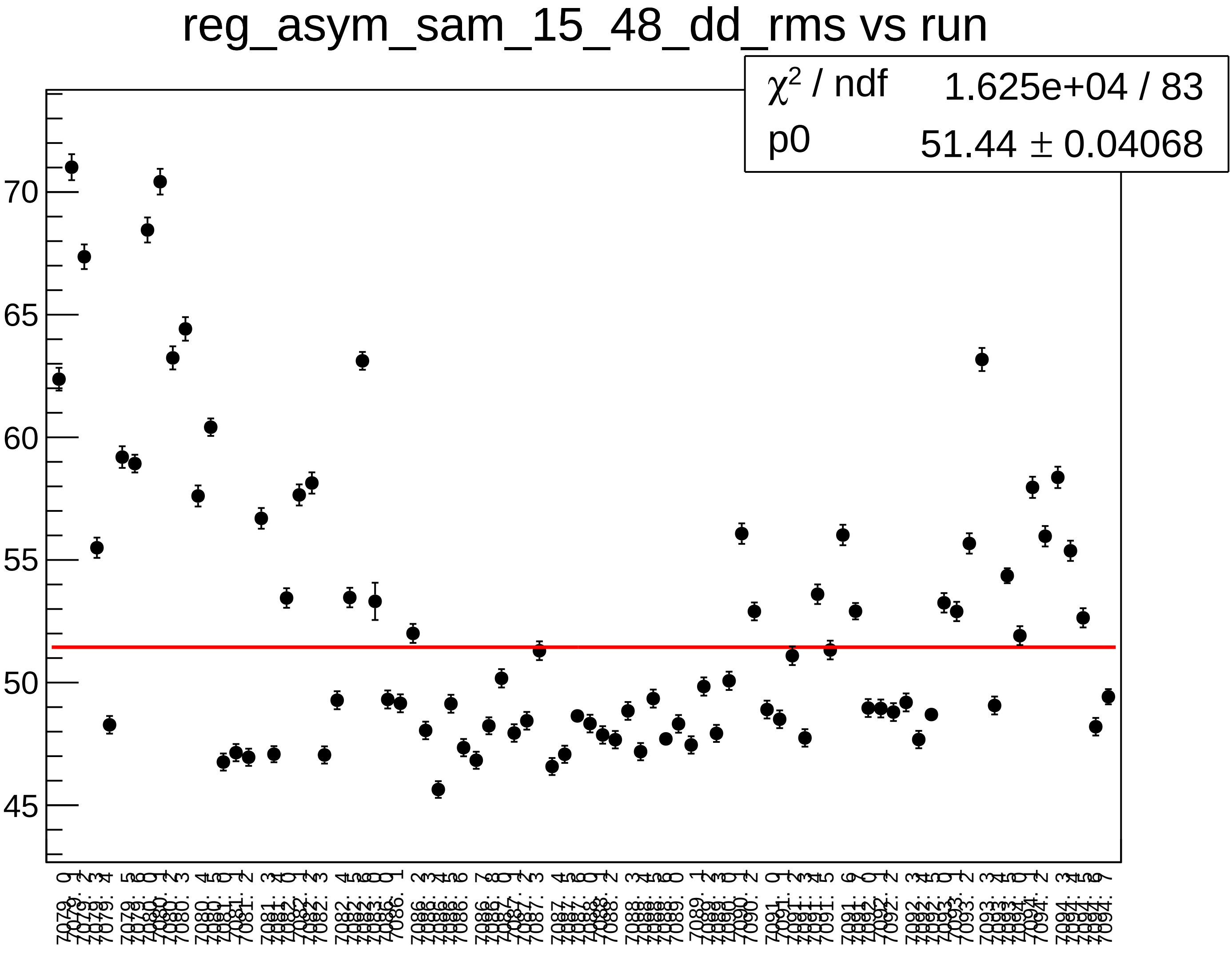
asym_sam_3726_avg_mean vs run
χ^2 / ndf 82.62 / 83
p0 1532 ± 685.1
pull
Entries 84
Mean −4720
Std Dev 4748
pull1D
Entries 84
Mean 0.0009955
Std Dev 0.9917



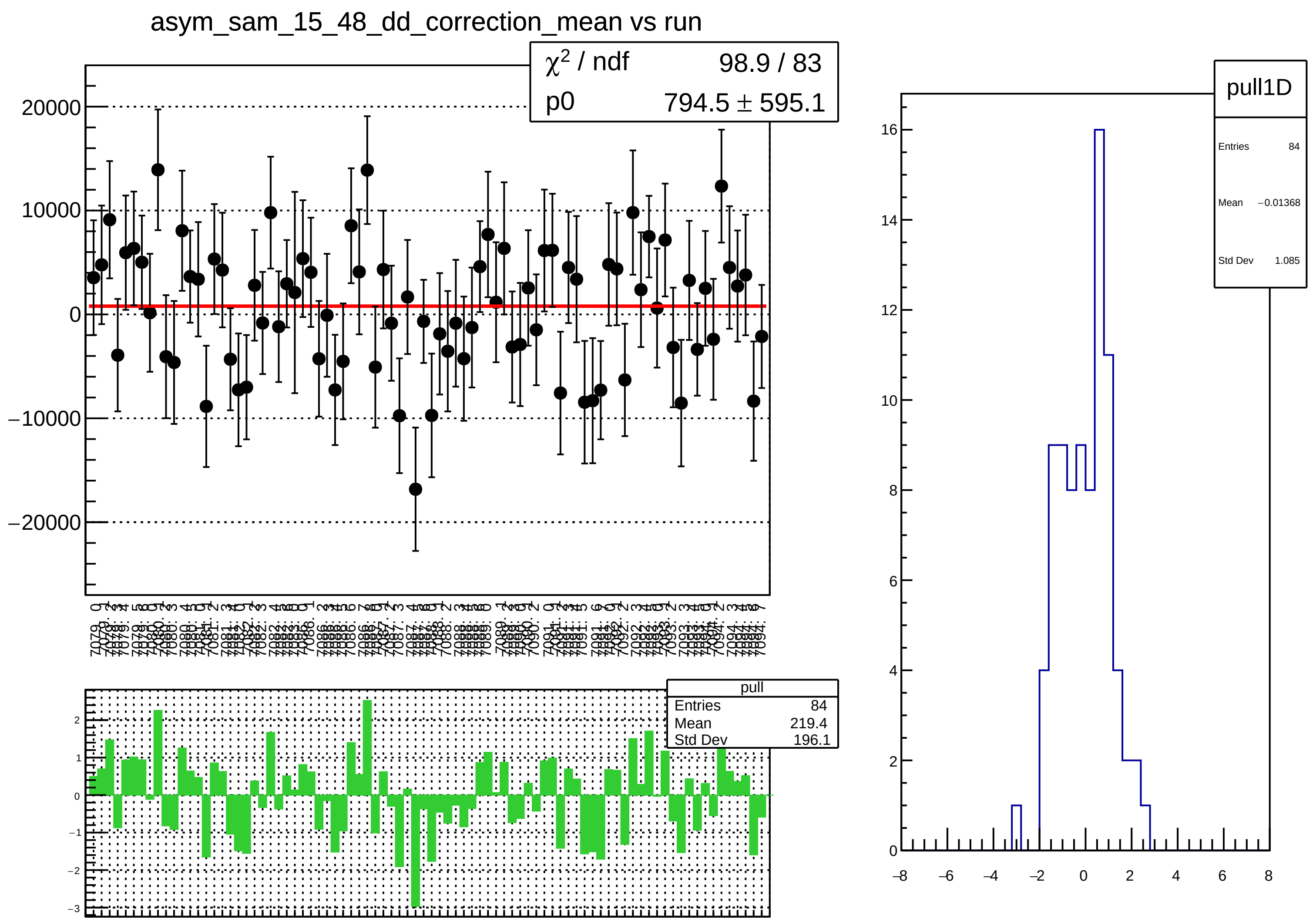
asym_sam_3726_avg_rms vs run
χ^2 / ndf 4841 / 83
p0 614.9 ± 0.4845
700
680
660
640
620
600
580
560
540
520



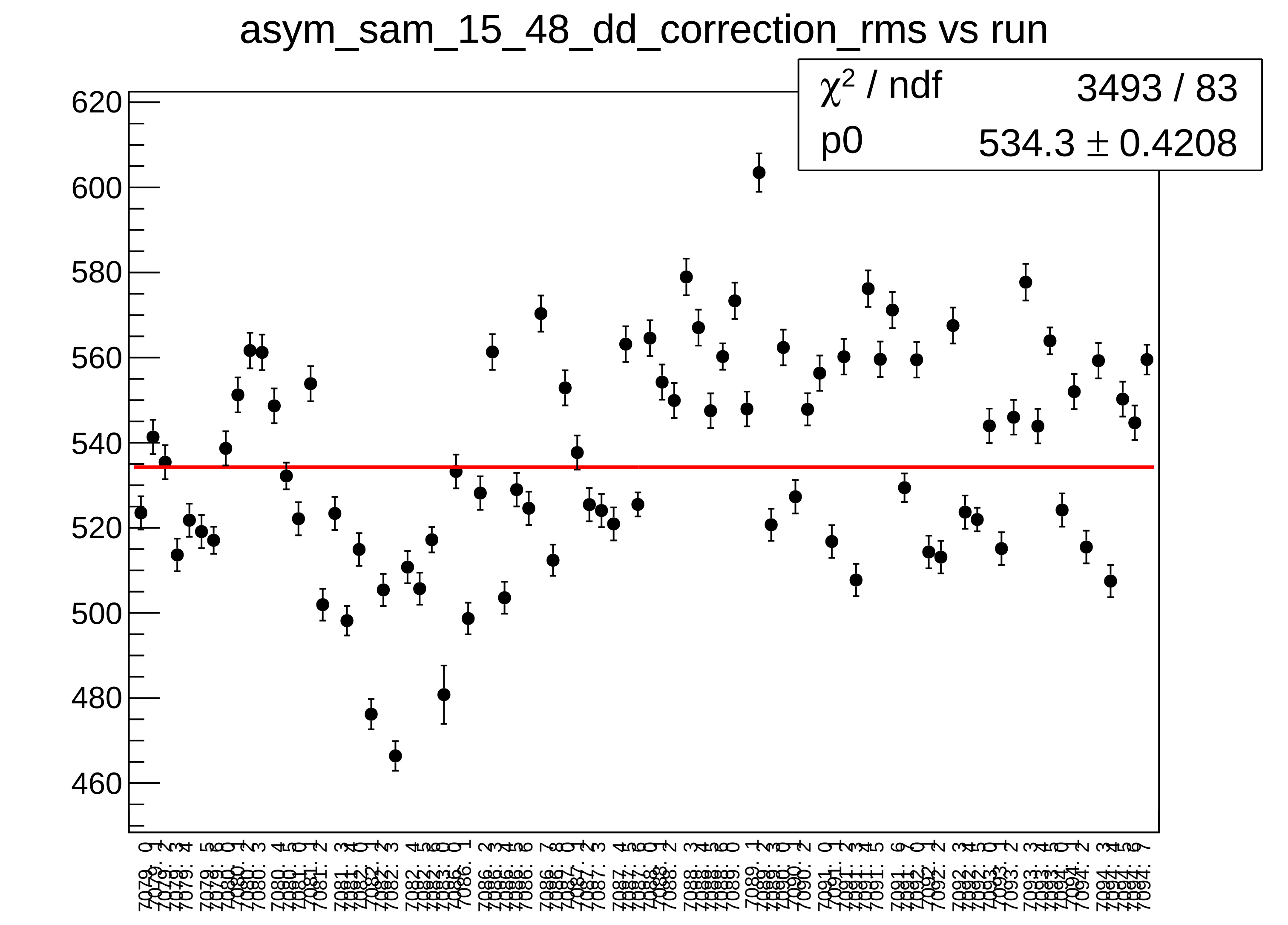
reg_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 94.01 / 83
p0 12.8 ± 57.53
pull
Entries 84
Mean −235
Std Dev 335
pull1D
Entries 84
Mean 0.002879
Std Dev 1.058



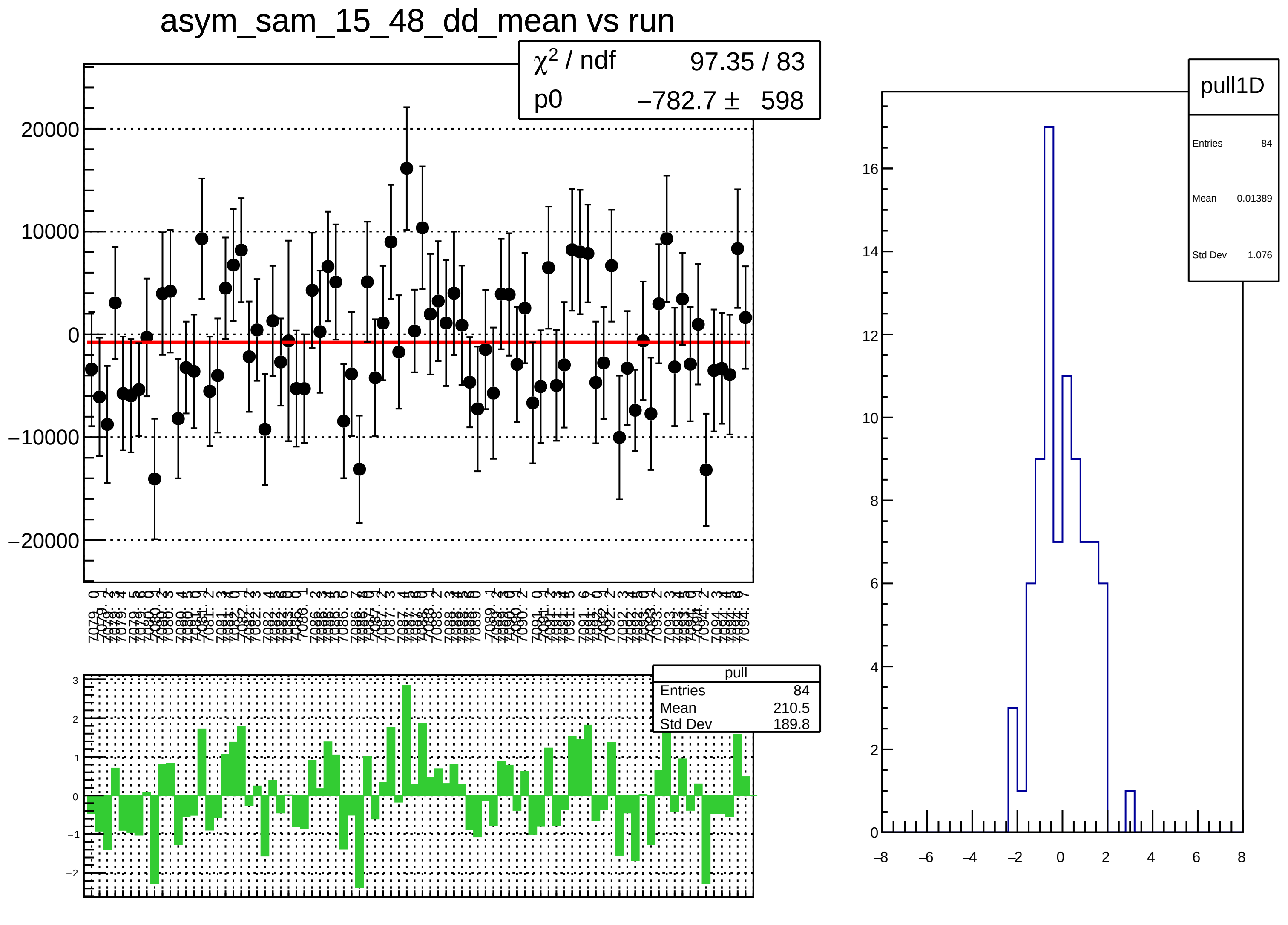
reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.625e+04 / 83
p0 51.44 ± 0.04068
45
50
55
60
65
70



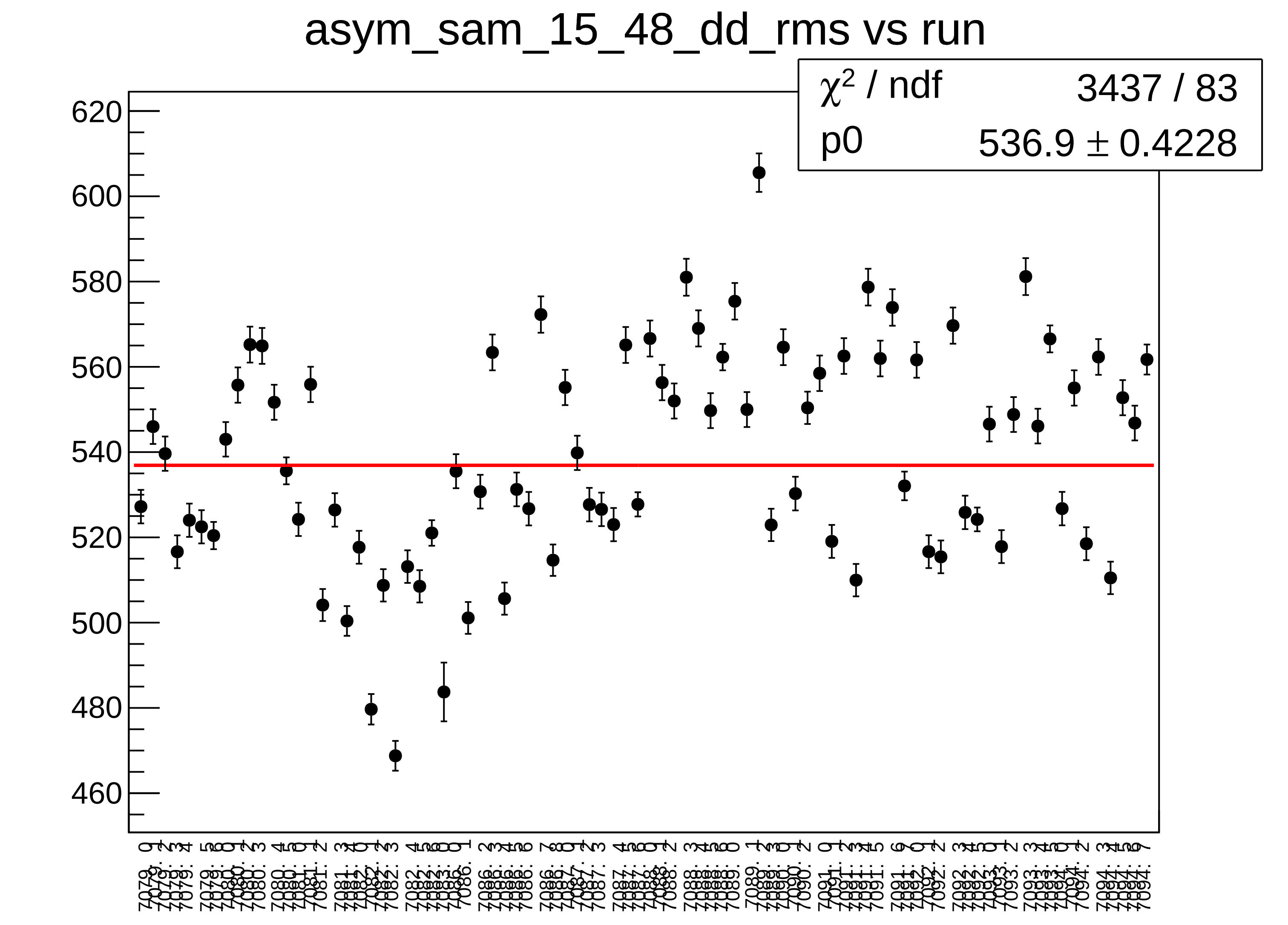
asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 98.9 / 83
p0 794.5 ± 595.1
pull
Entries 84
Mean 219.4
Std Dev 196.1
pull1D
Entries 84
Mean −0.01368
Std Dev 1.085

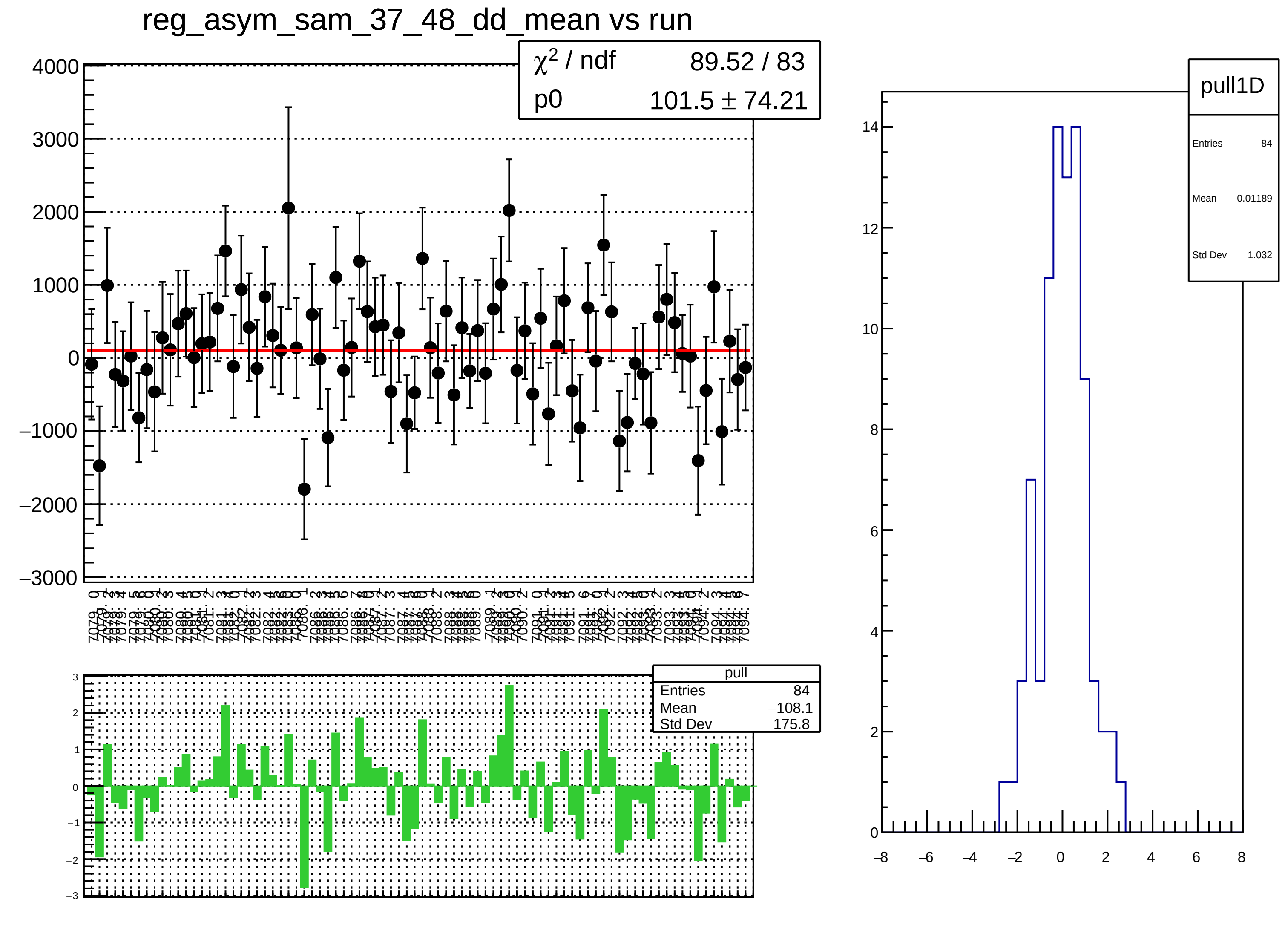


asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 3493 / 83
p0 534.3 ± 0.4208
620
600
580
560
540
520
500
480
460

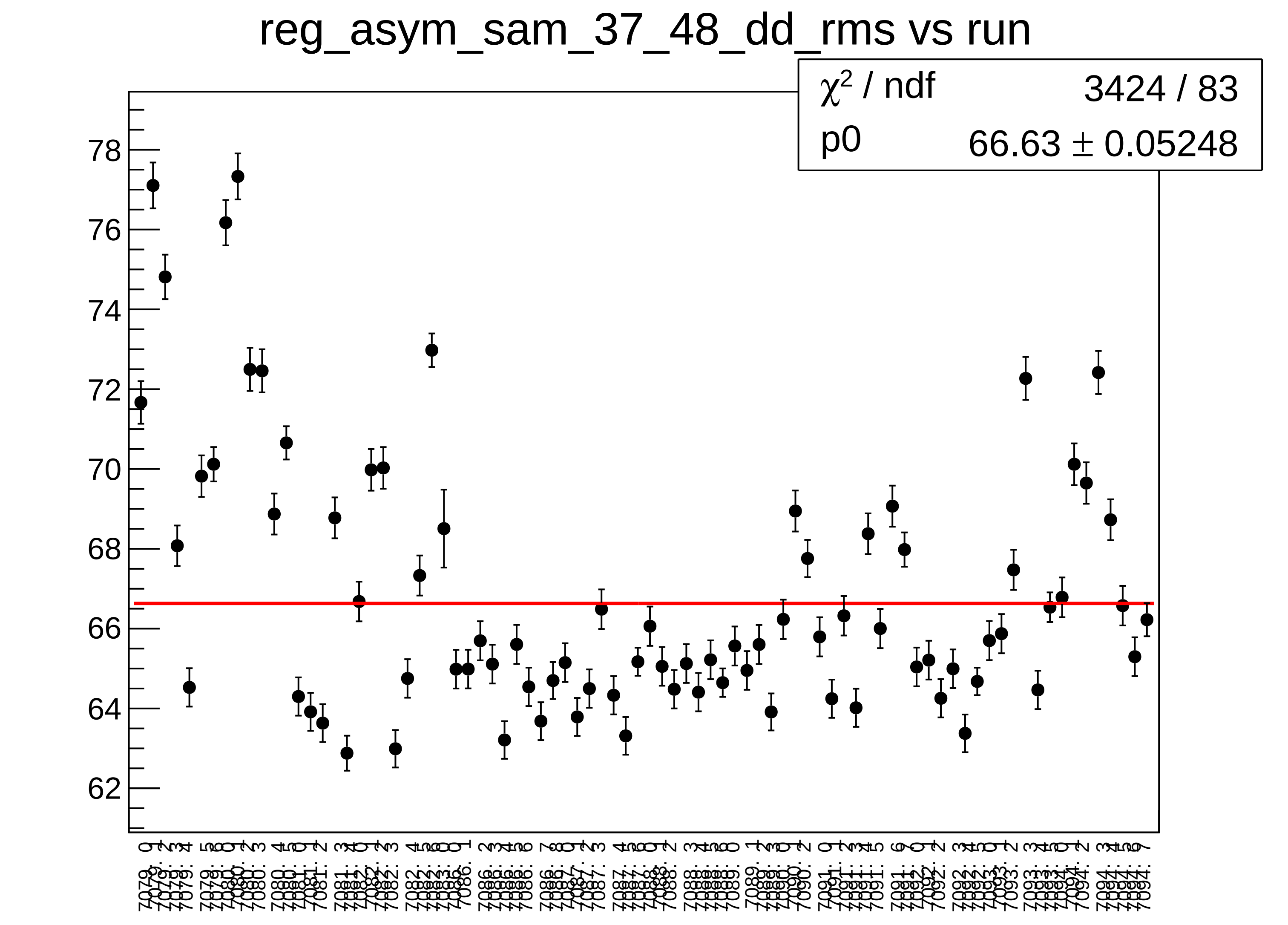


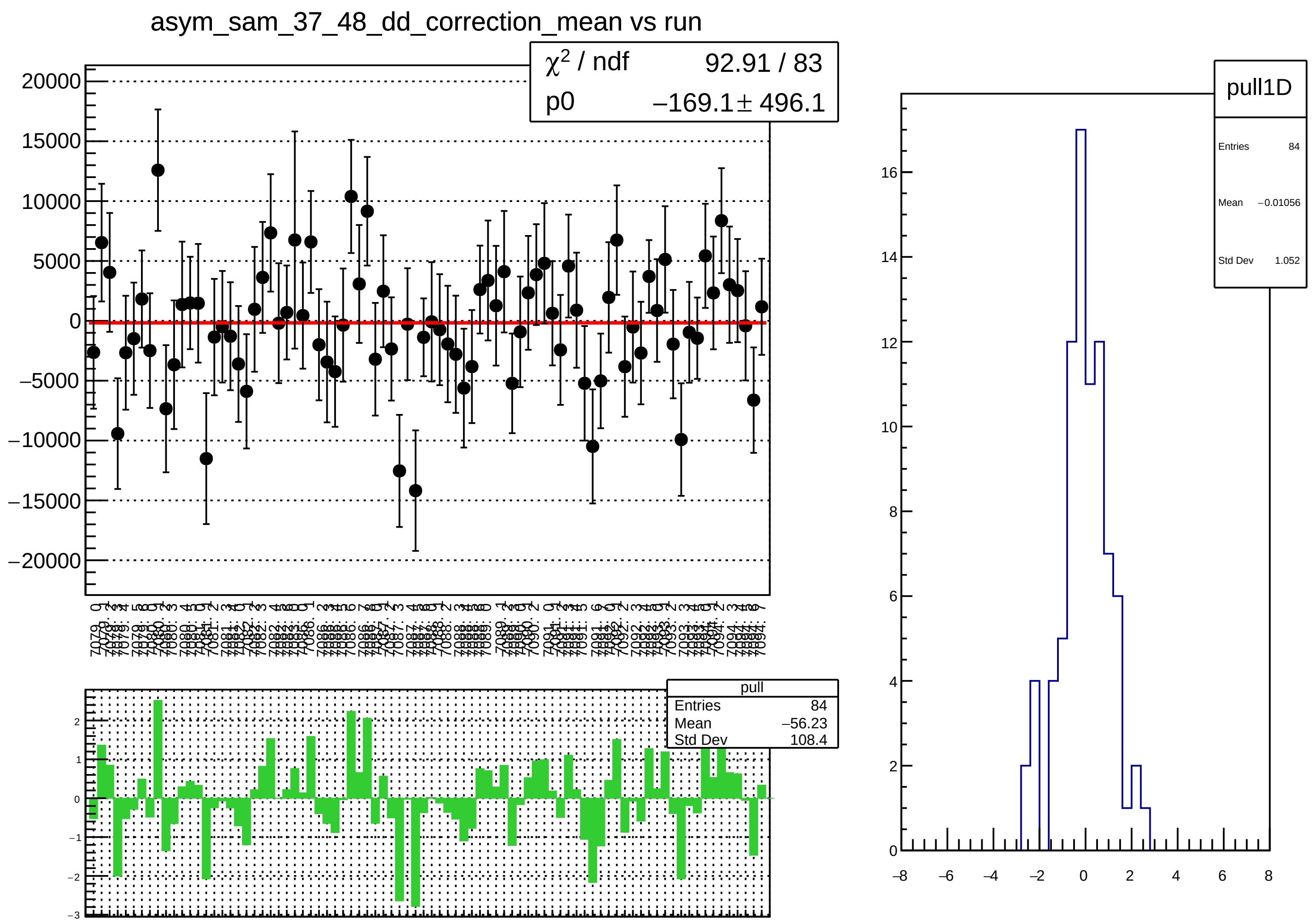
asym_sam_15_48_dd_mean vs run
χ^2 / ndf 97.35 / 83
p0 −782.7 ± 598
pull
Entries 84
Mean 210.5
Std Dev 189.8
pull1D
Entries 84
Mean 0.01389
Std Dev 1.076


asym_sam_15_48_dd_rms vs run
χ2 / ndf 3437 / 83
p0 536.9 ± 0.4228
620
600
580
560
540
520
500
480
460

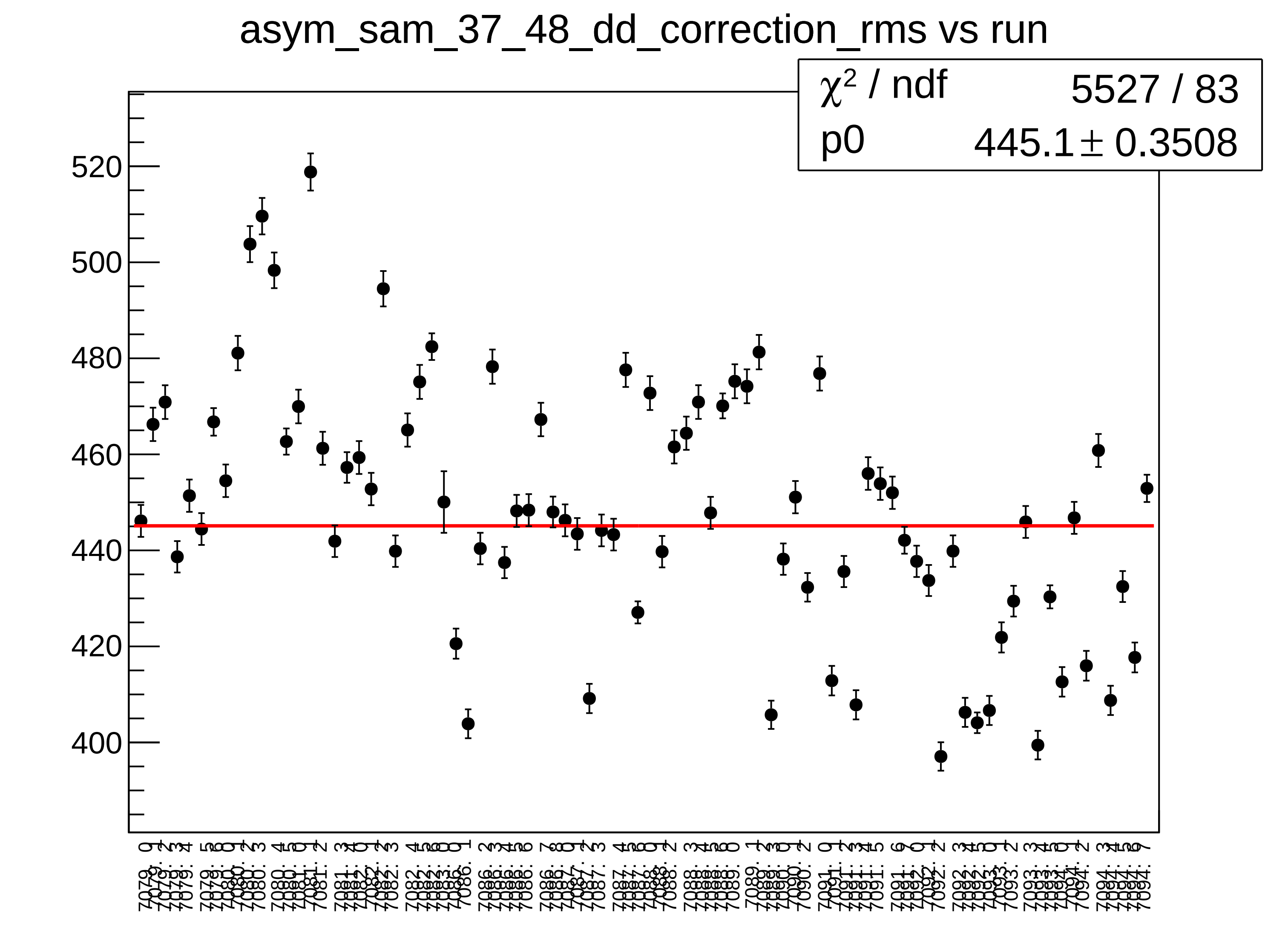


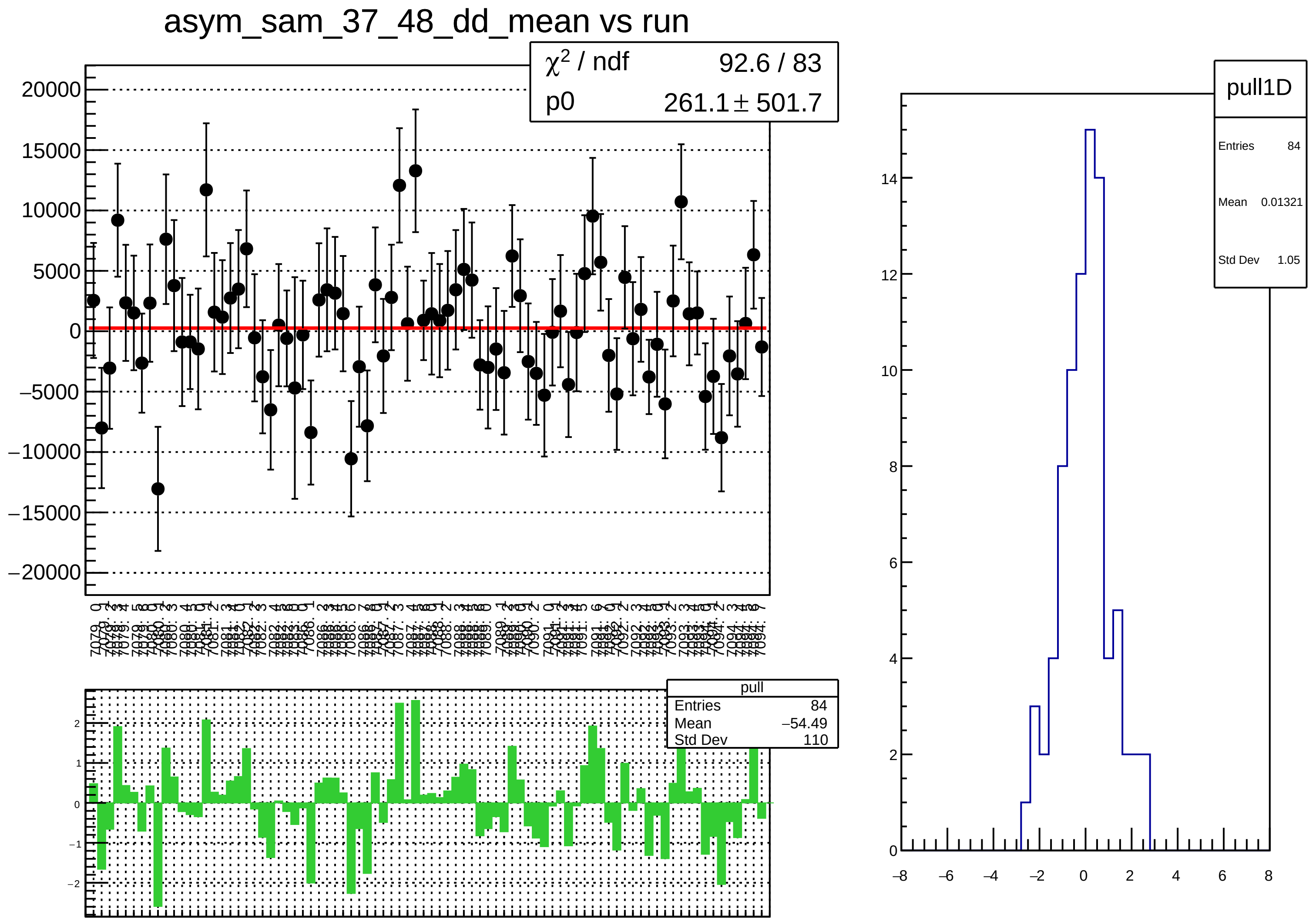
reg_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 89.52 / 83
p0 101.5 ± 74.21
pull
Entries 84
Mean −108.1
Std Dev 175.8
pull1D
Entries 84
Mean 0.01189
Std Dev 1.032


reg_asym_sam_37_48_dd_rms vs run
χ2 / ndf 3424 / 83
p0 66.63 ± 0.05248
78
76
74
72
70
68
66
64
62

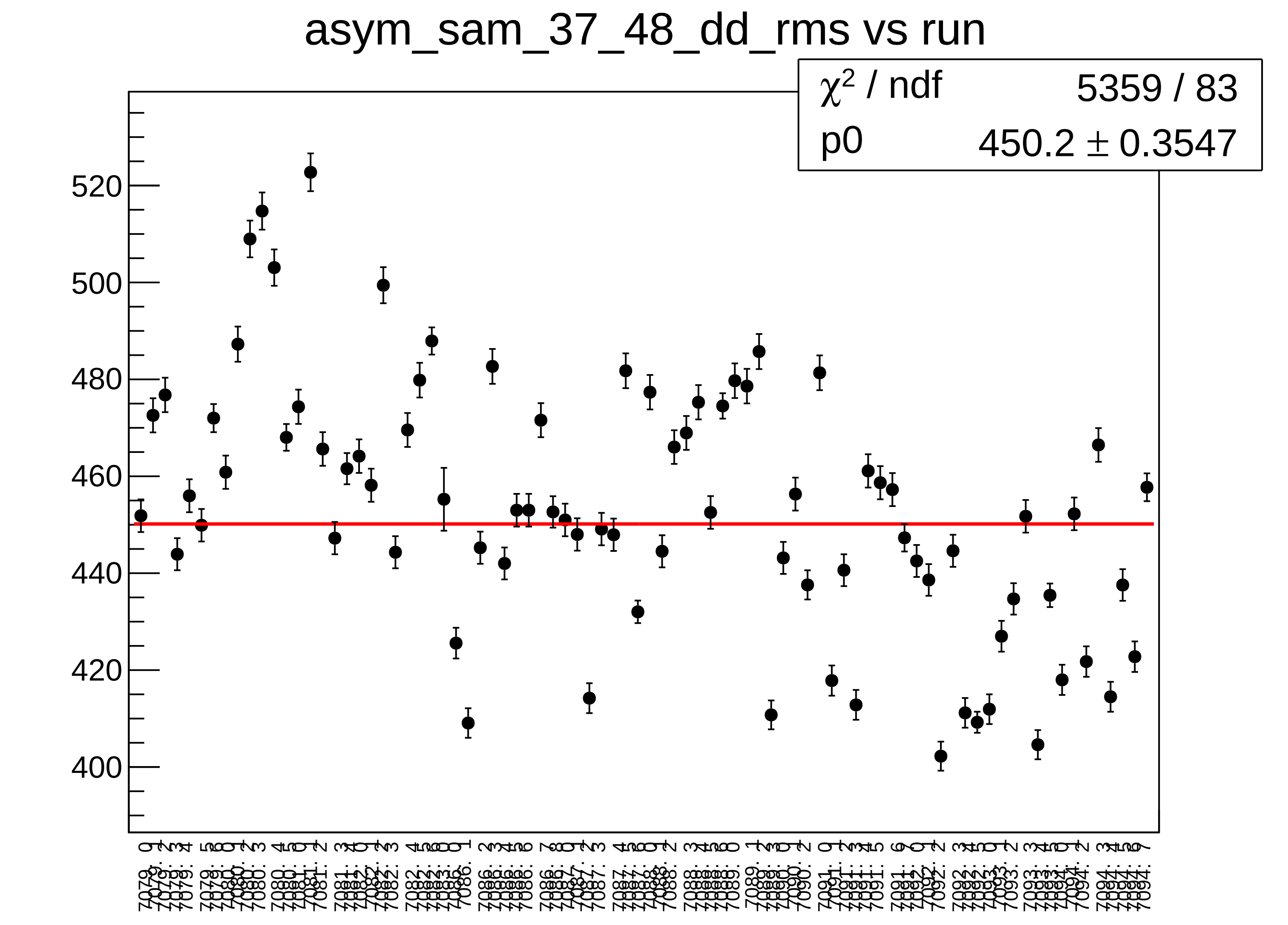


asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 92.91 / 83
p0 −169.1 ± 496.1
pull
Entries 84
Mean −56.23
Std Dev 108.4
pull1D
Entries 84
Mean −0.01056
Std Dev 1.052

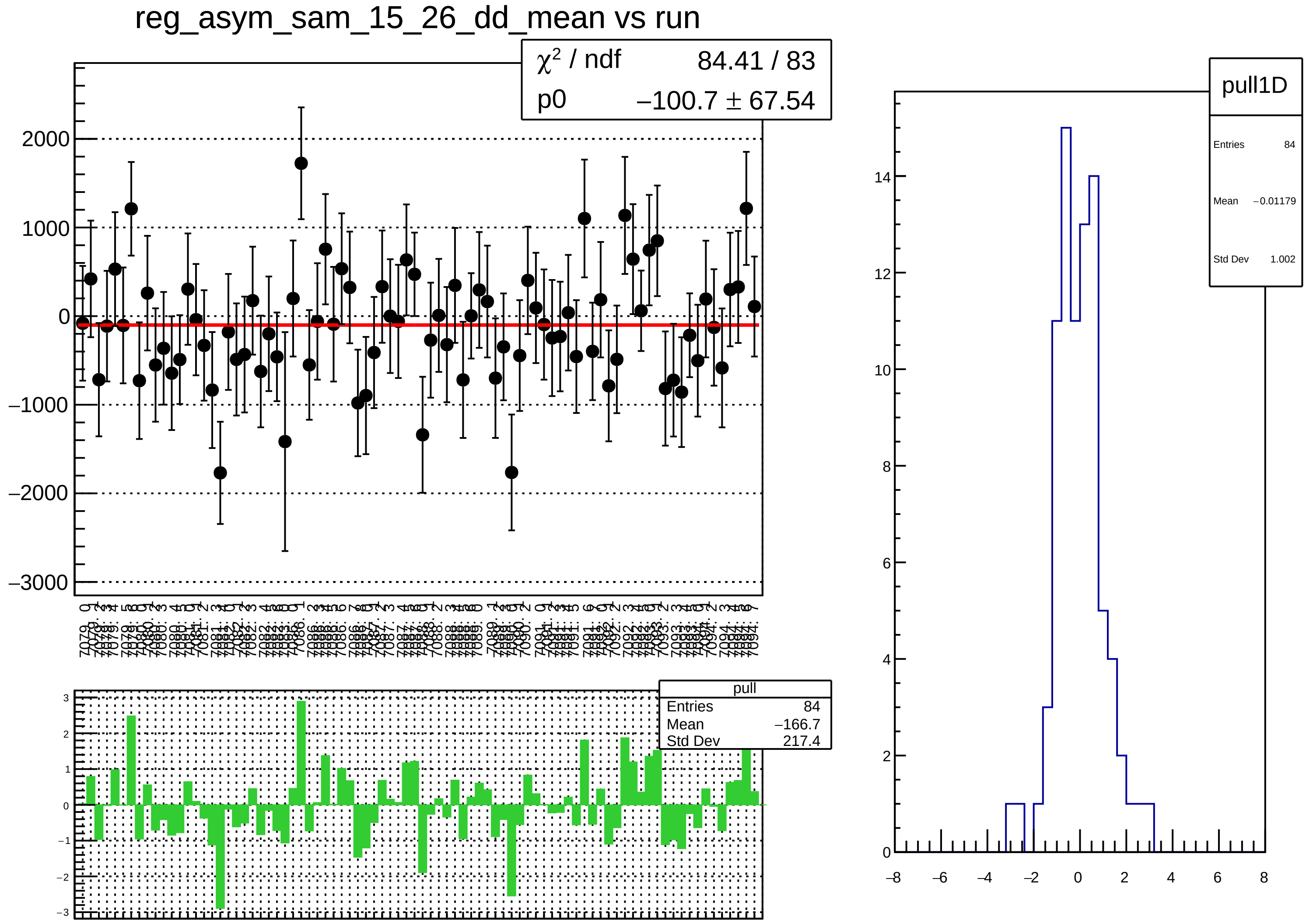

asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 5527 / 83
p0 445.1 ± 0.3508
520
500
480
460
440
420
400

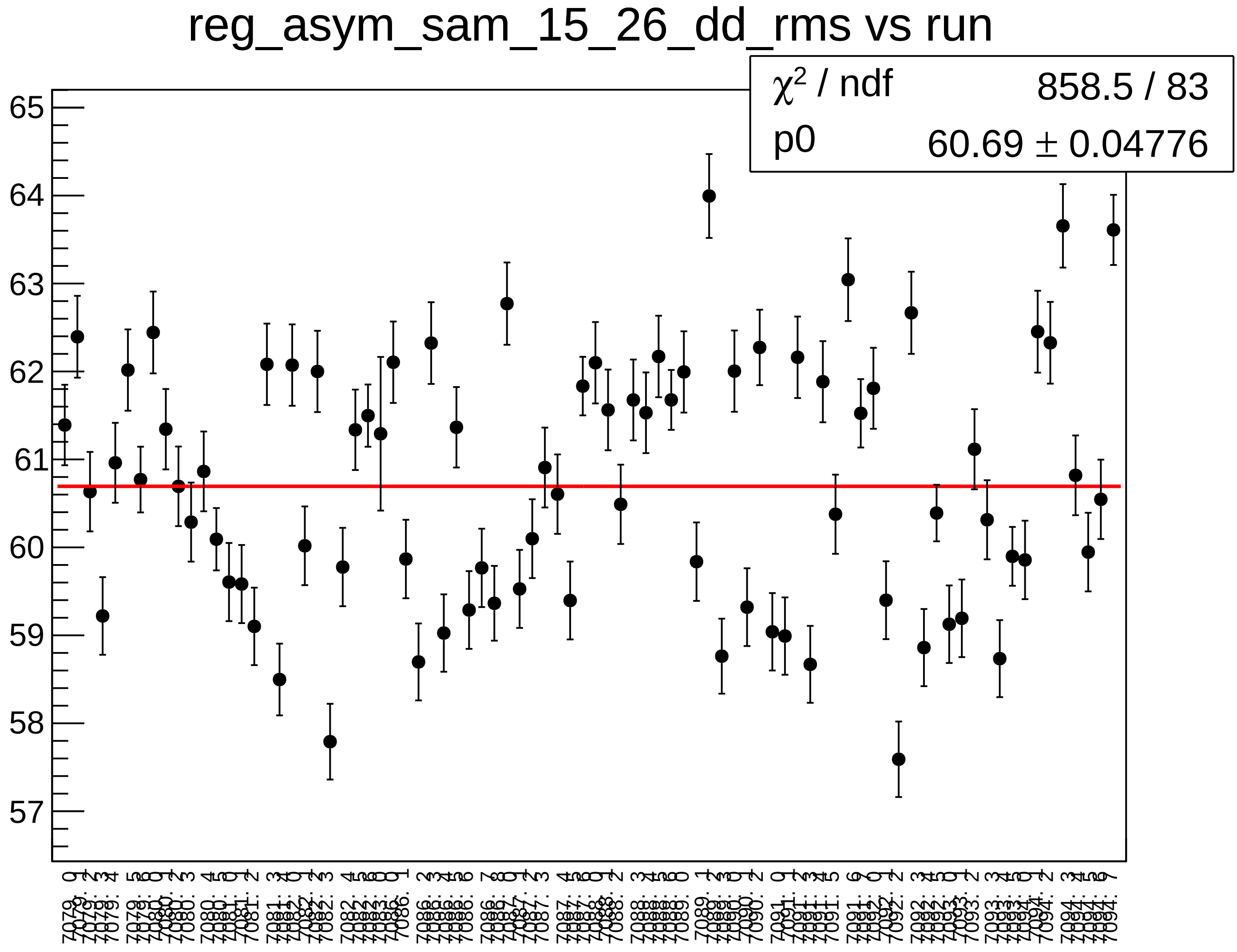


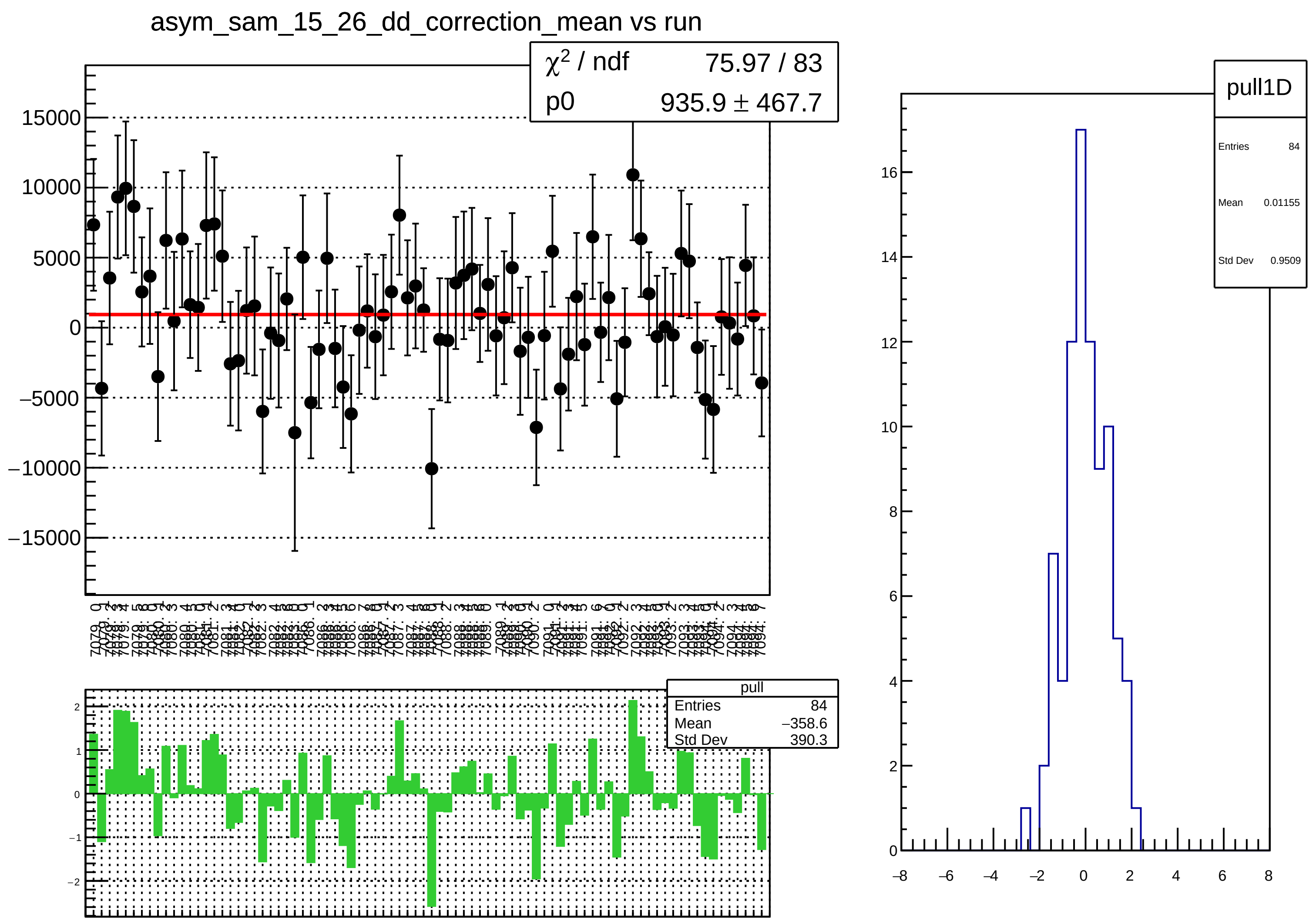
asym_sam_37_48_dd_mean vs run
χ² / ndf 92.6 / 83
p0 261.1 ± 501.7
pull
Entries 84
Mean −54.49
Std Dev 110
pull1D
Entries 84
Mean 0.01321
Std Dev 1.05



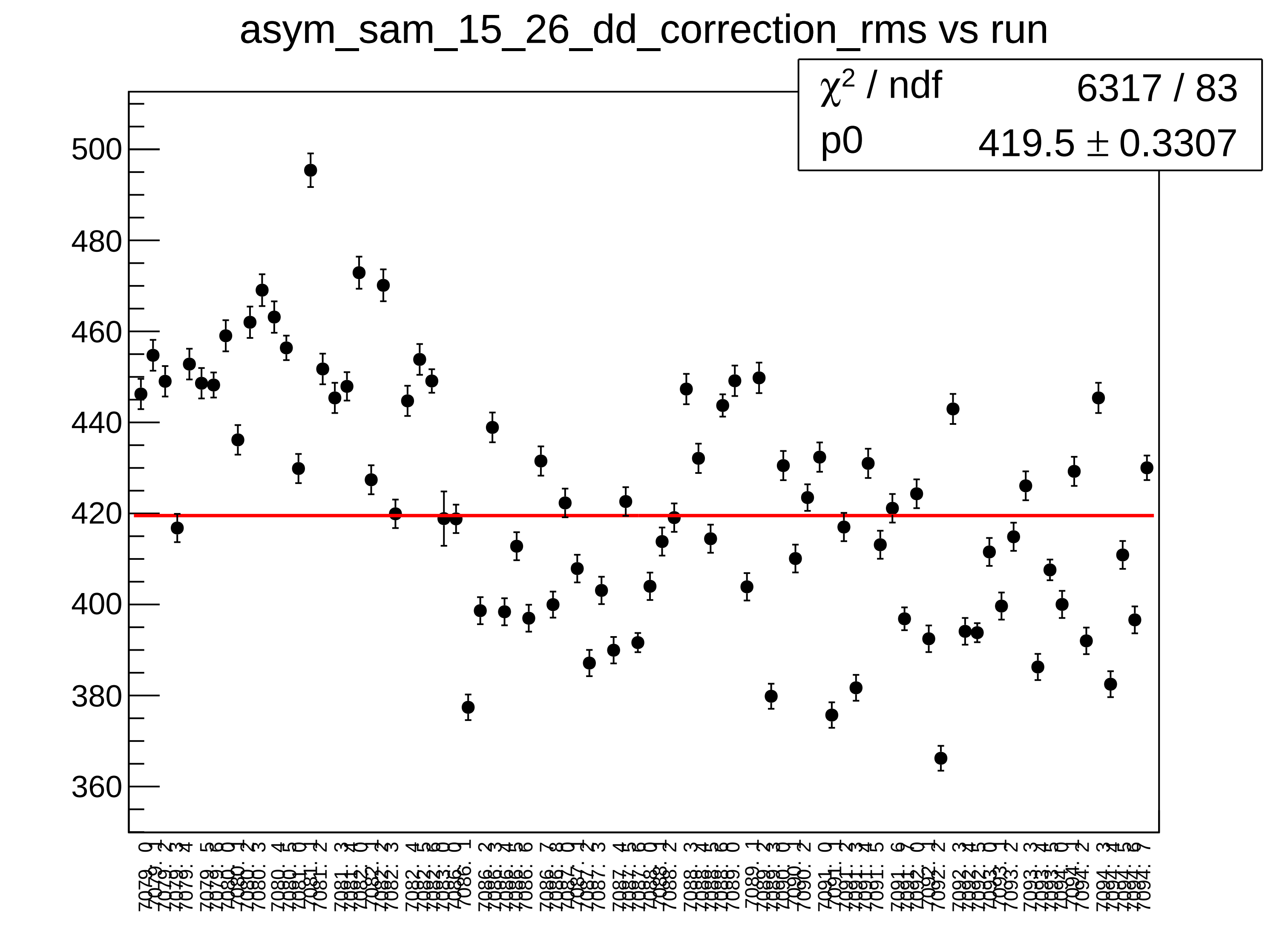
asym_sam_37_48_dd_rms vs run
χ² / ndf 5359 / 83
p0 450.2 ± 0.3547
520
500
480
460
440
420
400


reg_asym_sam_15_26_dd_mean vs run
χ2 / ndf 84.41 / 83
p0 −100.7 ± 67.54
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean −166.7
Std Dev 217.4
pull1D
Entries 84
Mean −0.01179
Std Dev 1.002

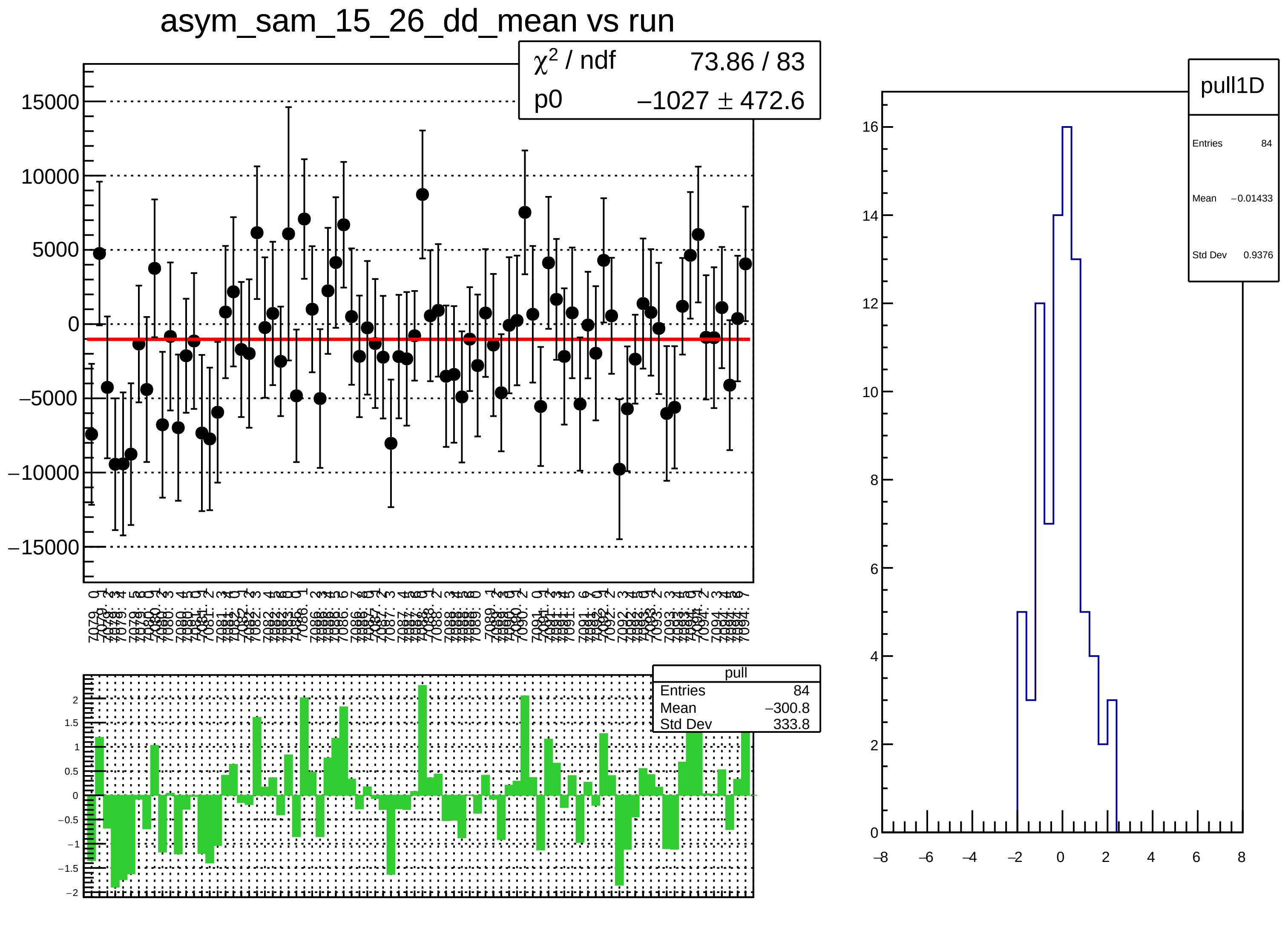

reg_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 858.5 / 83
p0 60.69 ± 0.04776
65
64
63
62
61
60
59
58
57



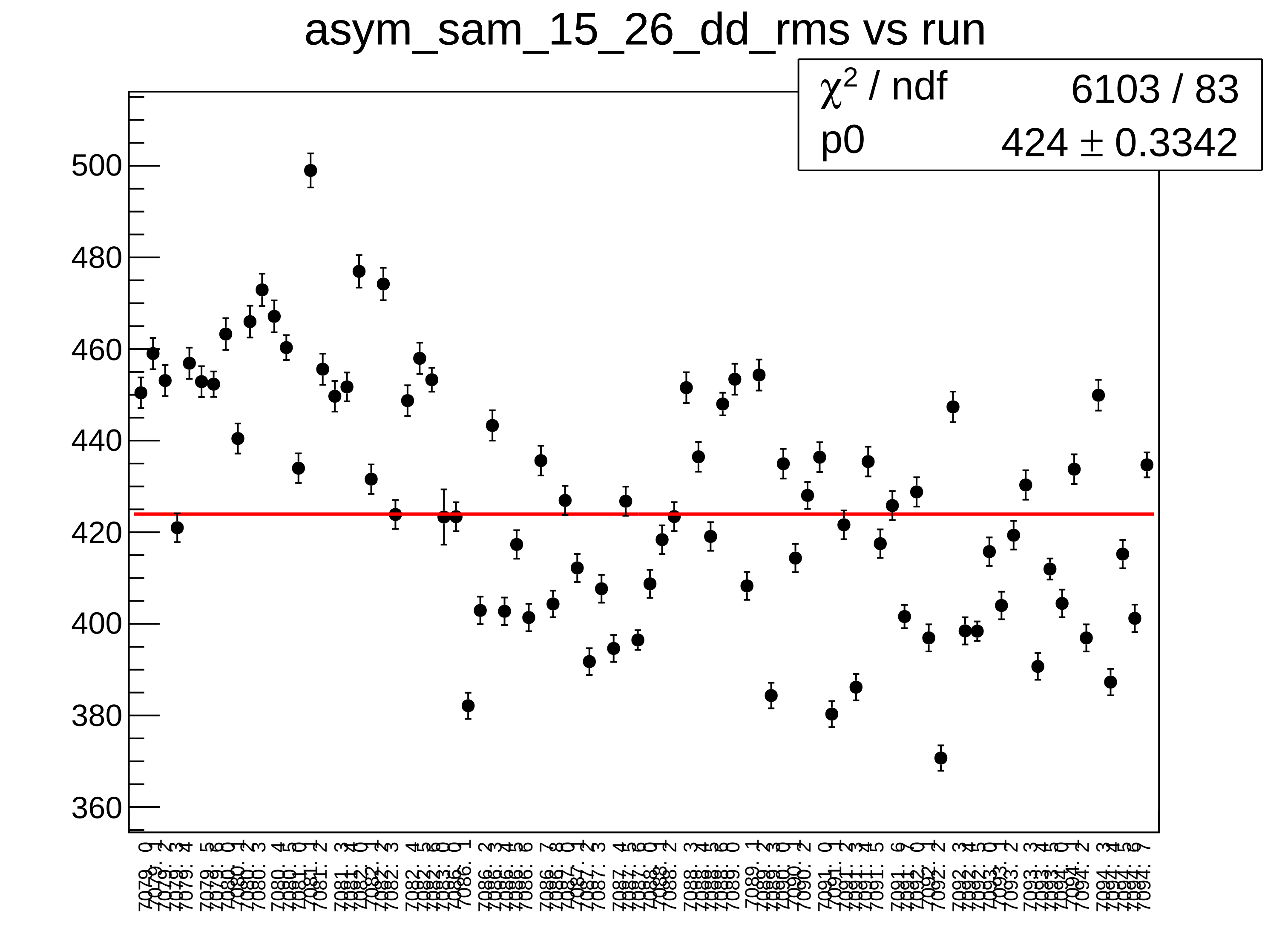
asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 75.97 / 83
p0 935.9 ± 467.7
pull
Entries 84
Mean −358.6
Std Dev 390.3
pull1D
Entries 84
Mean 0.01155
Std Dev 0.9509

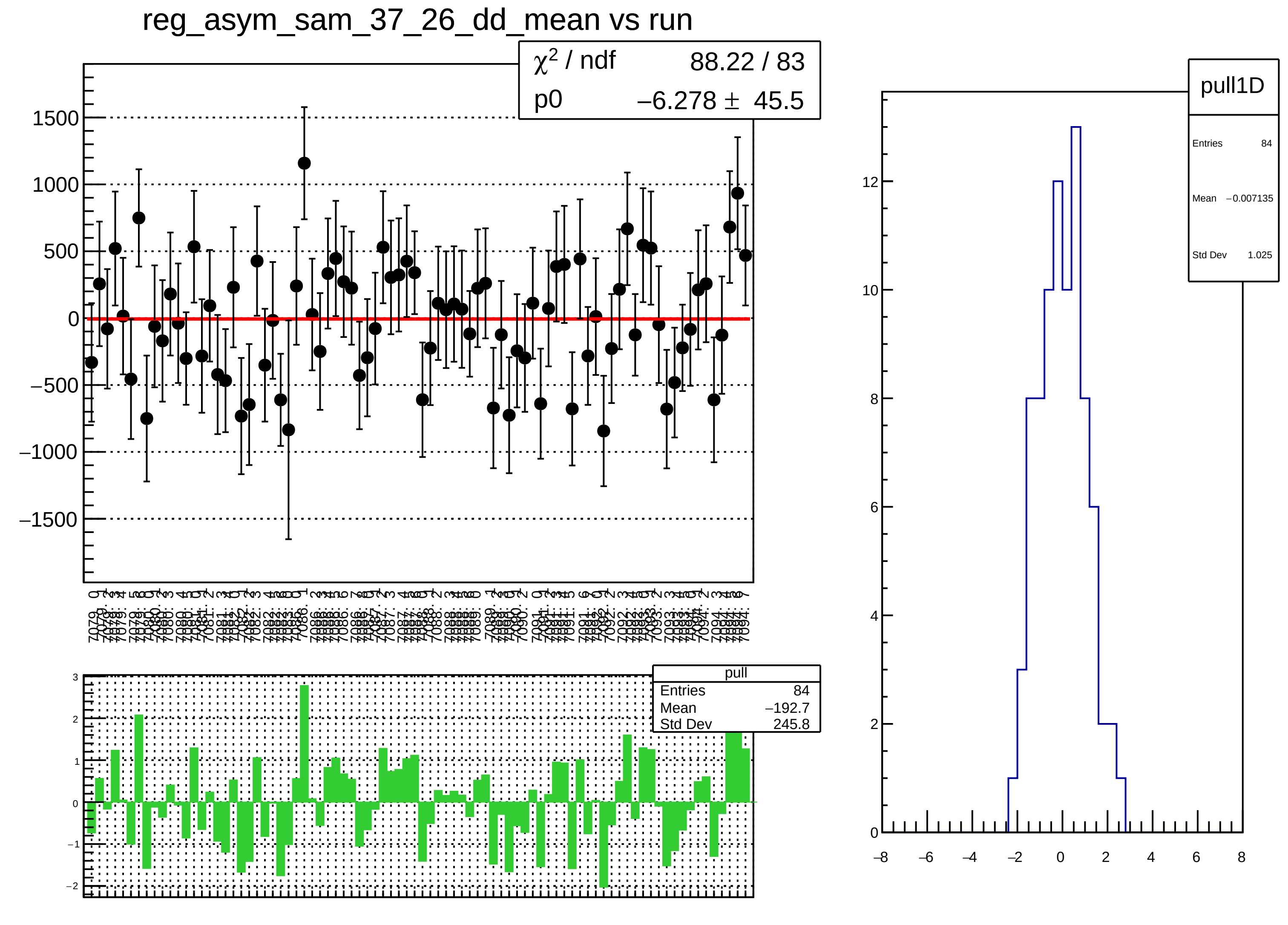


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 6317 / 83
p0 419.5 ± 0.3307

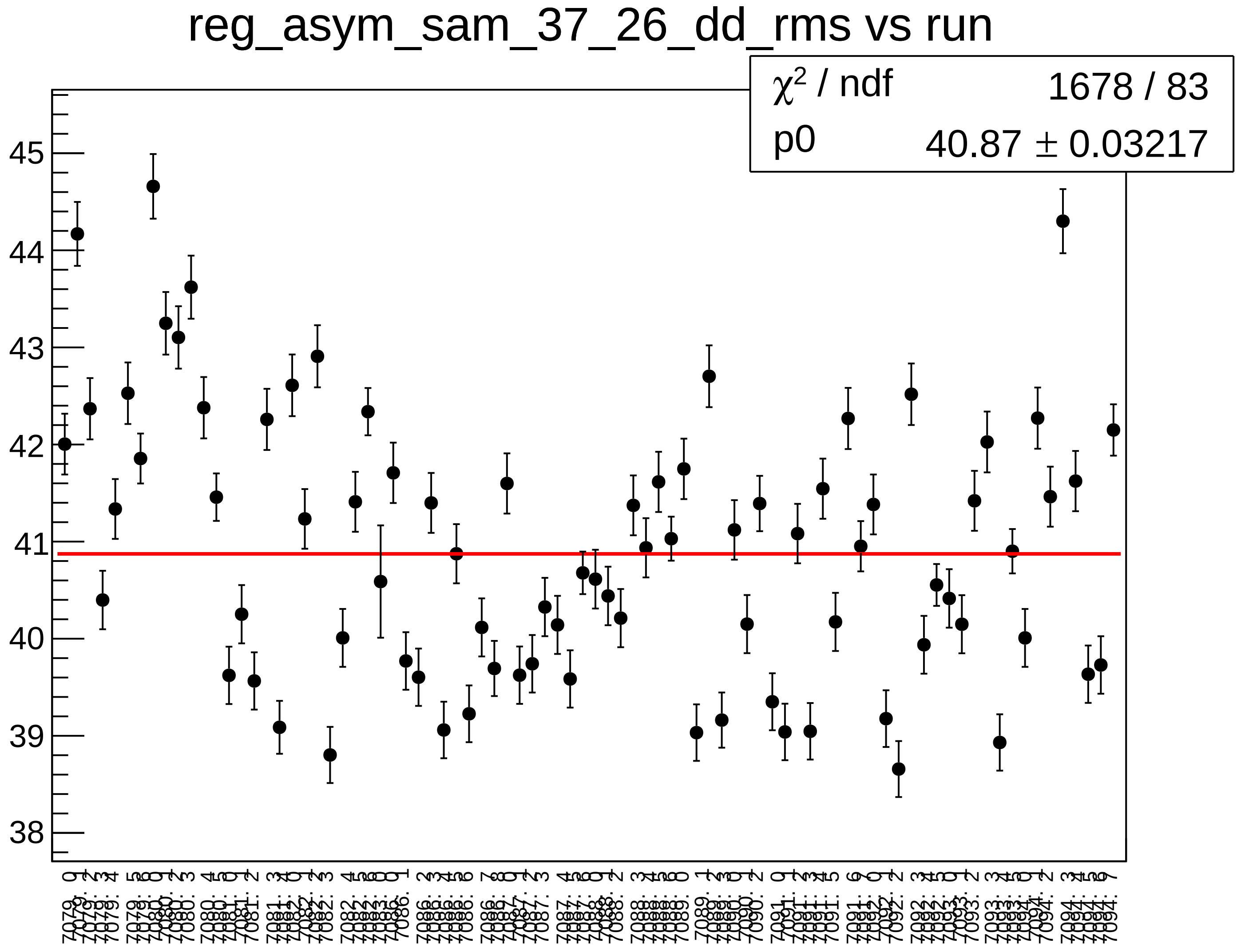


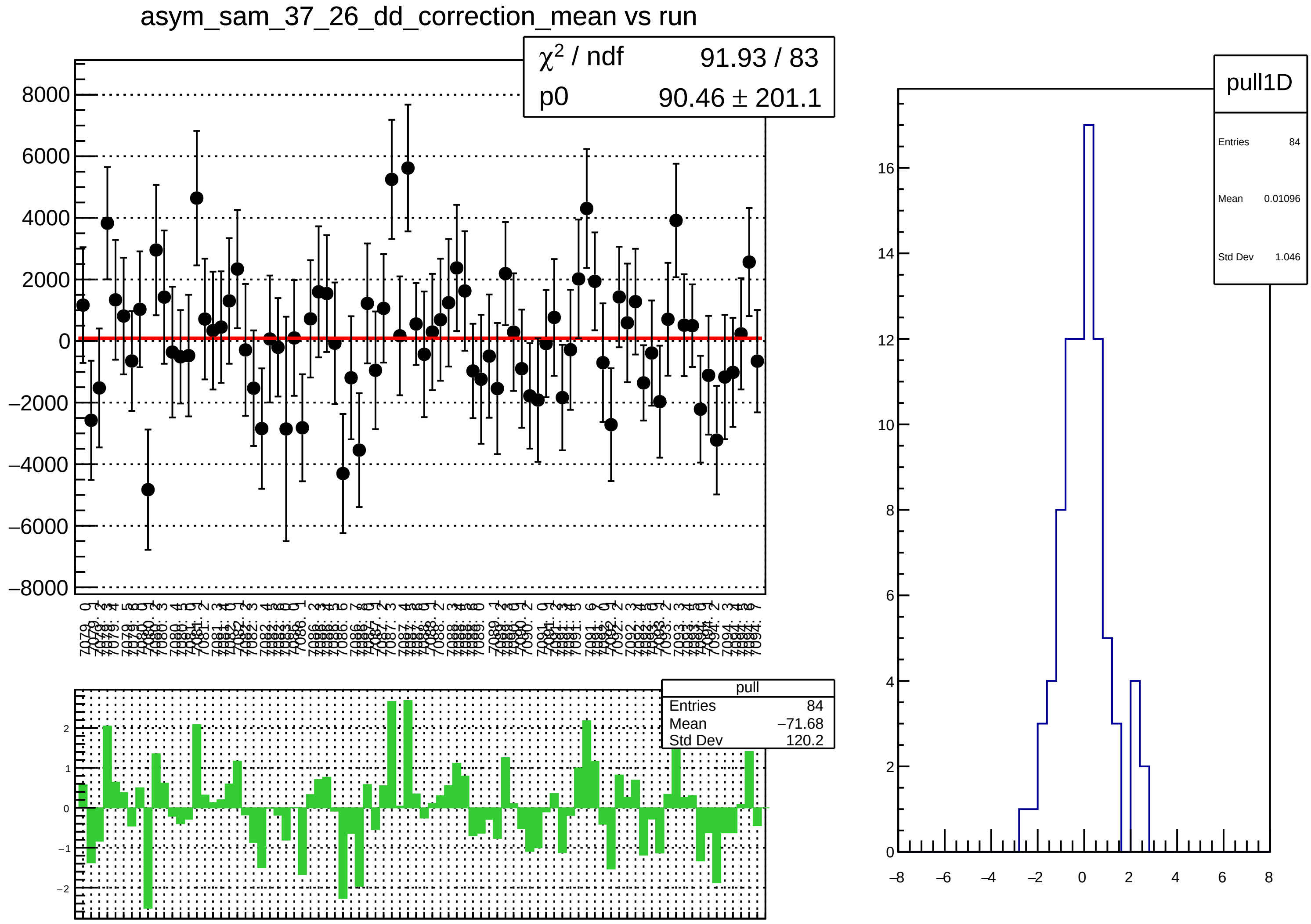
asym_sam_15_26_dd_mean vs run
χ^2 / ndf 73.86 / 83
p0 −1027 ± 472.6
pull
Entries 84
Mean −300.8
Std Dev 333.8
pull1D
Entries 84
Mean −0.01433
Std Dev 0.9376


asym_sam_15_26_dd_rms vs run
χ2 / ndf 6103 / 83
p0 424 ± 0.3342
500
480
460
440
420
400
380
360

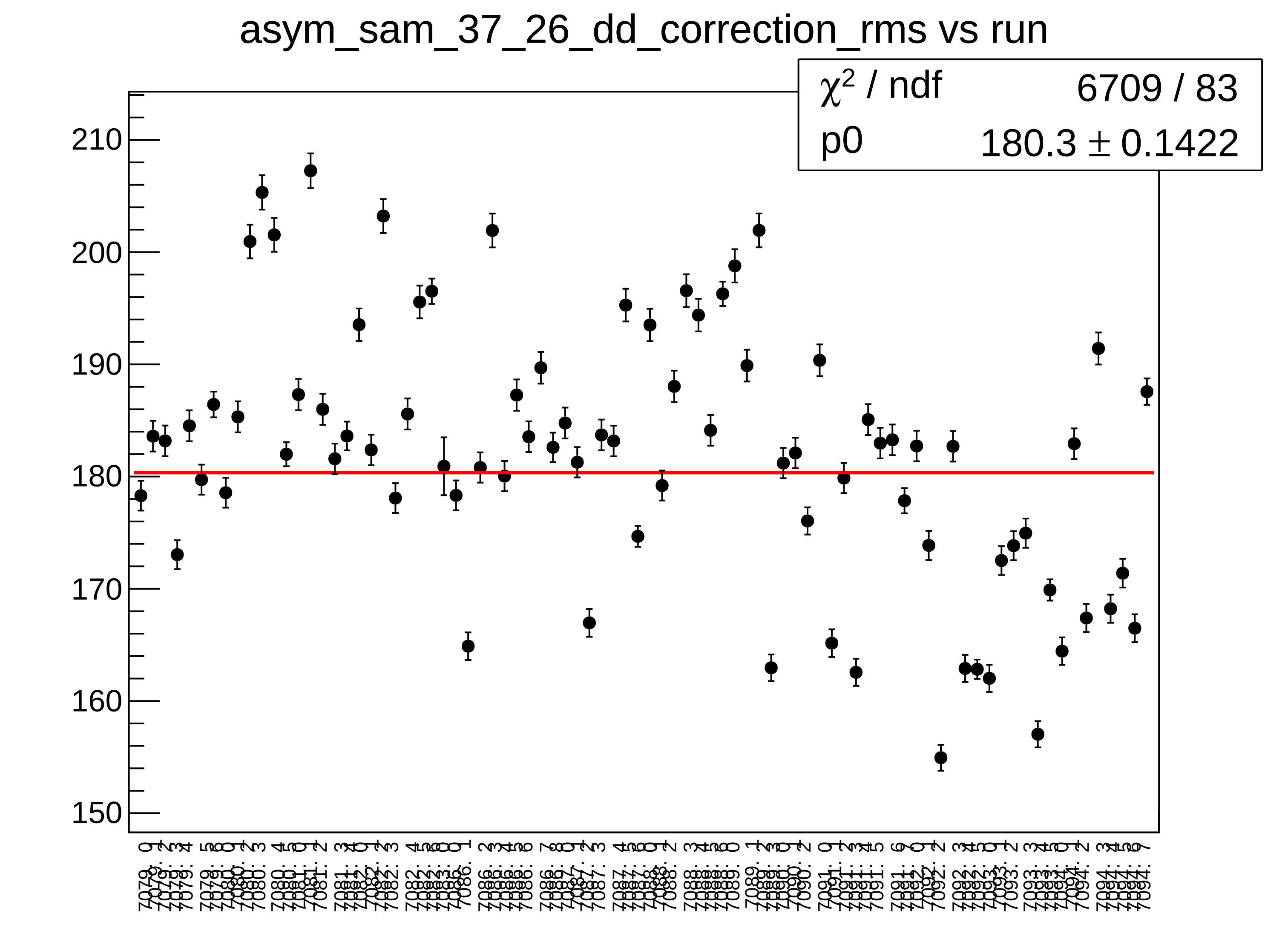


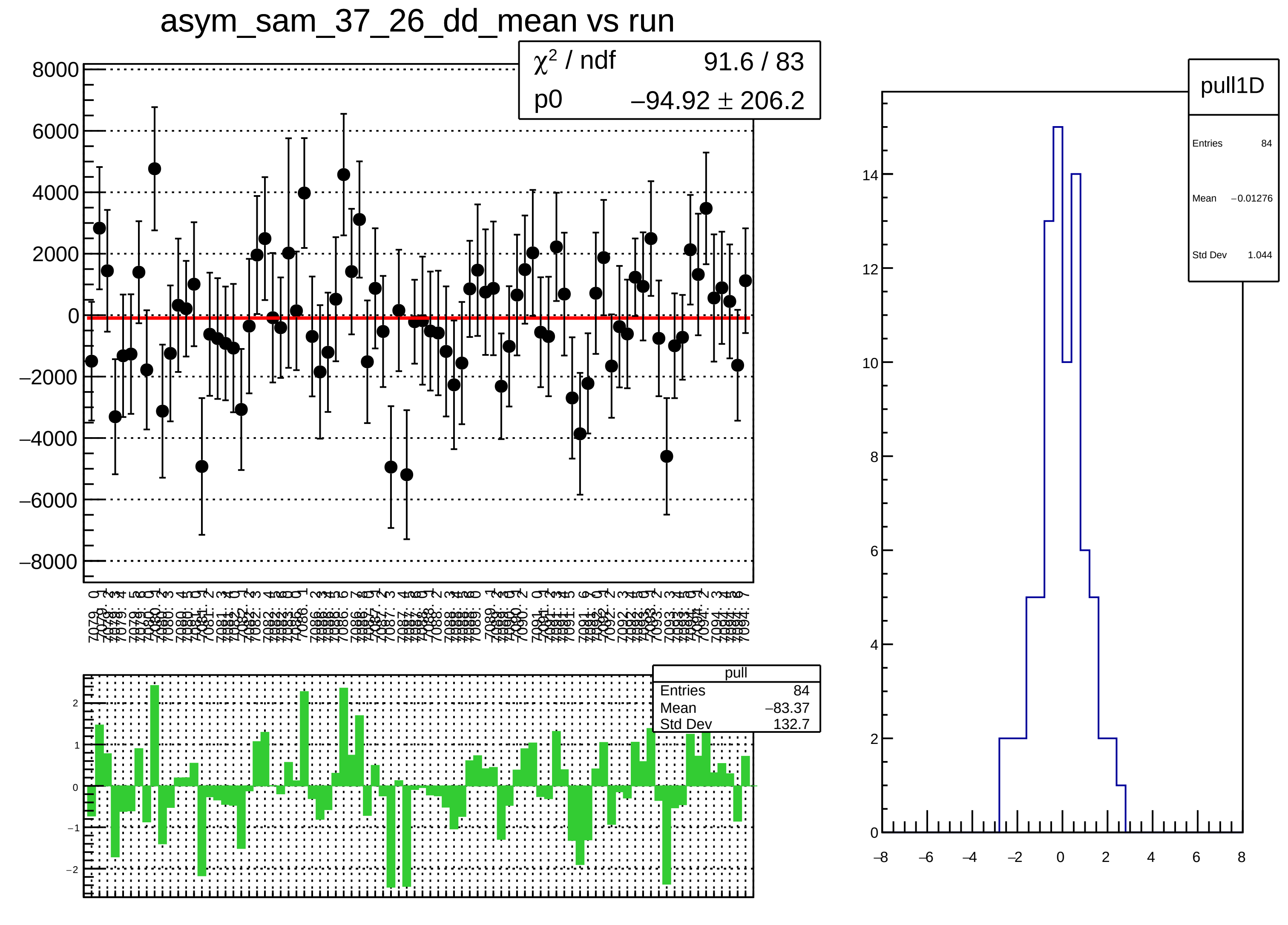
reg_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 88.22 / 83
p0 −6.278 ± 45.5
pull
Entries 84
Mean −192.7
Std Dev 245.8
pull1D
Entries 84
Mean −0.007135
Std Dev 1.025


reg_asym_sam_37_26_dd_rms vs run
χ2 / ndf 1678 / 83
p0 40.87 ± 0.03217
45
44
43
42
41
40
39
38

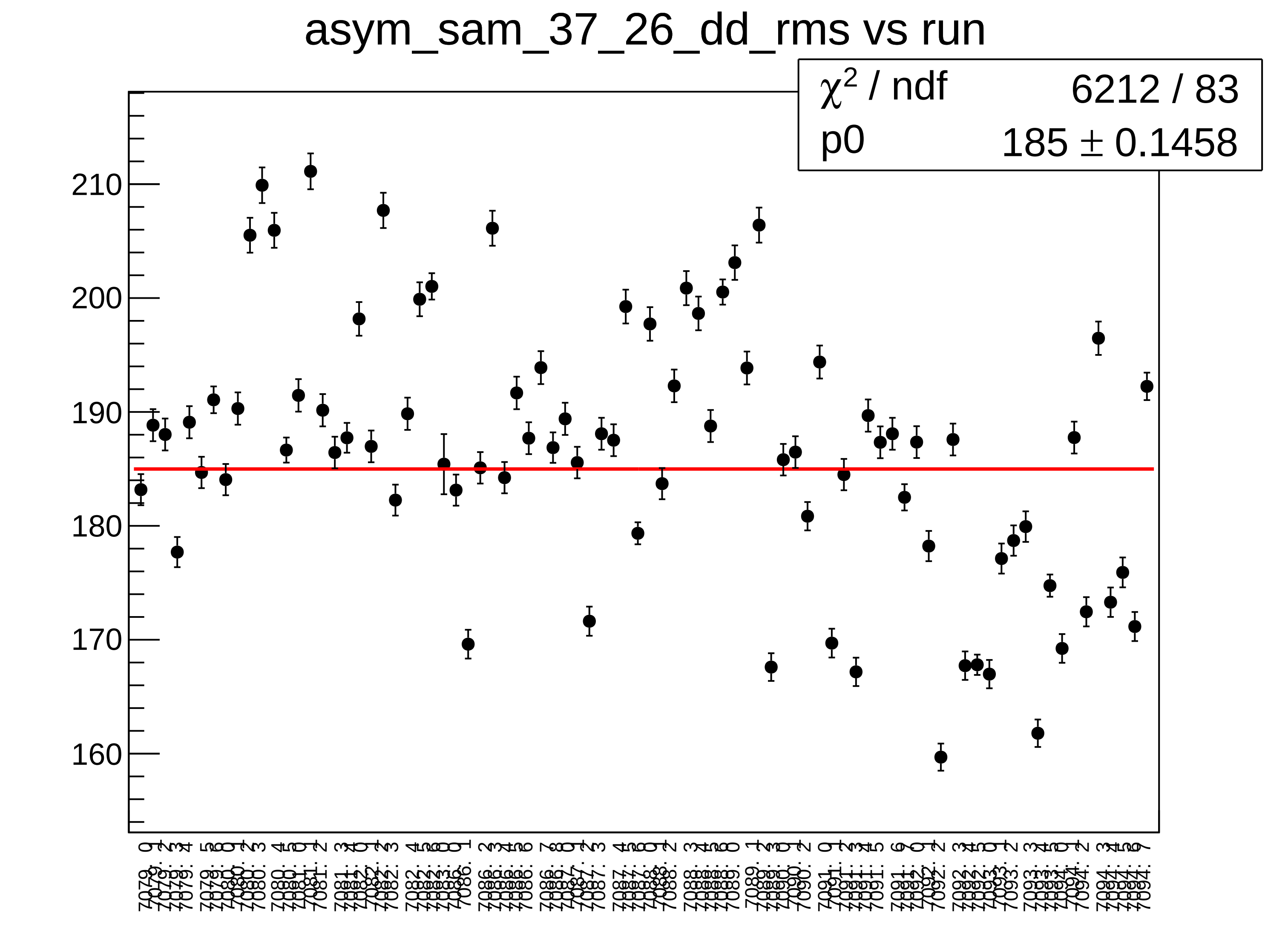


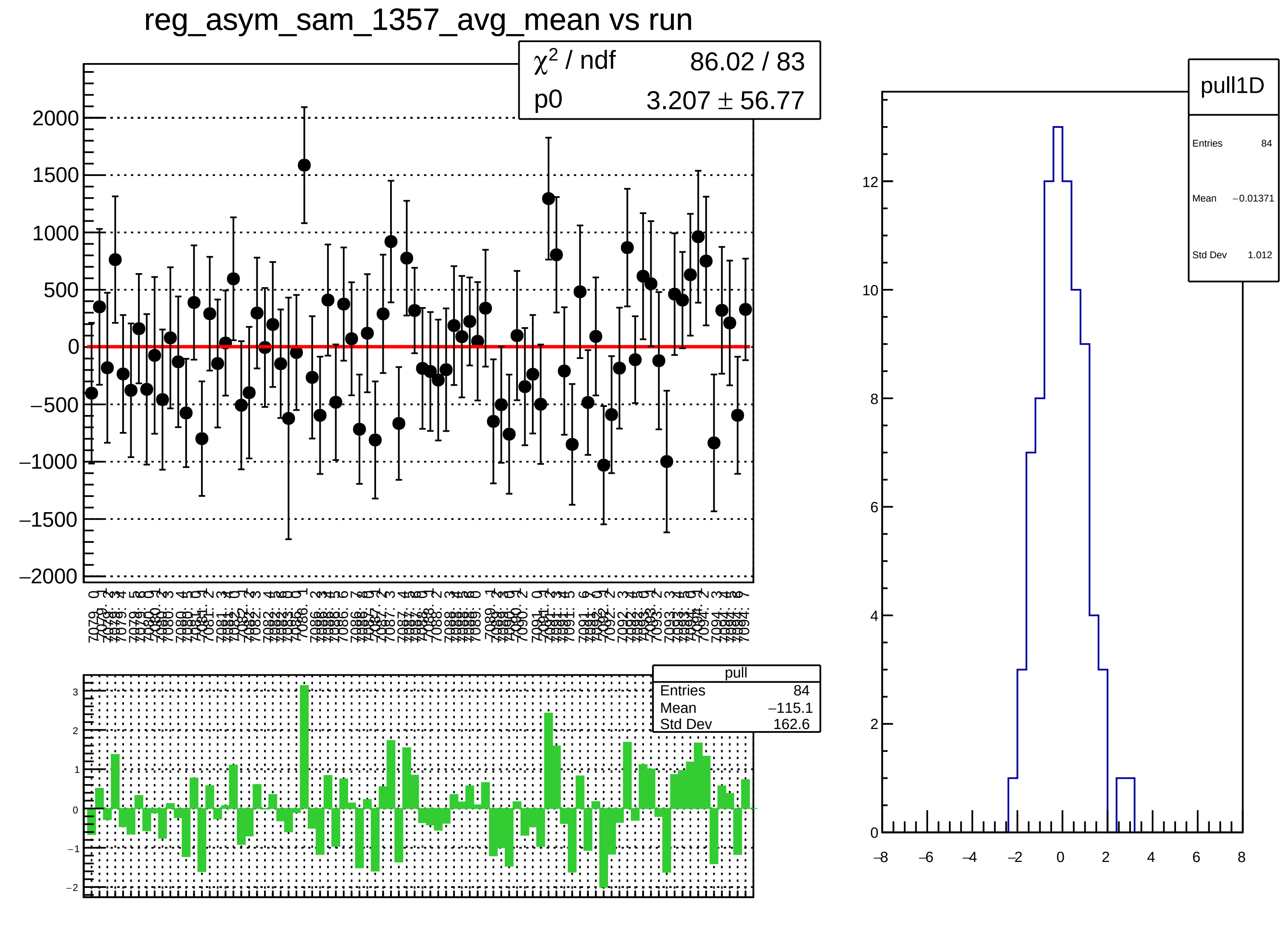
asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 91.93 / 83
p0 90.46 ± 201.1
pull
Entries 84
Mean −71.68
Std Dev 120.2
pull1D
Entries 84
Mean 0.01096
Std Dev 1.046

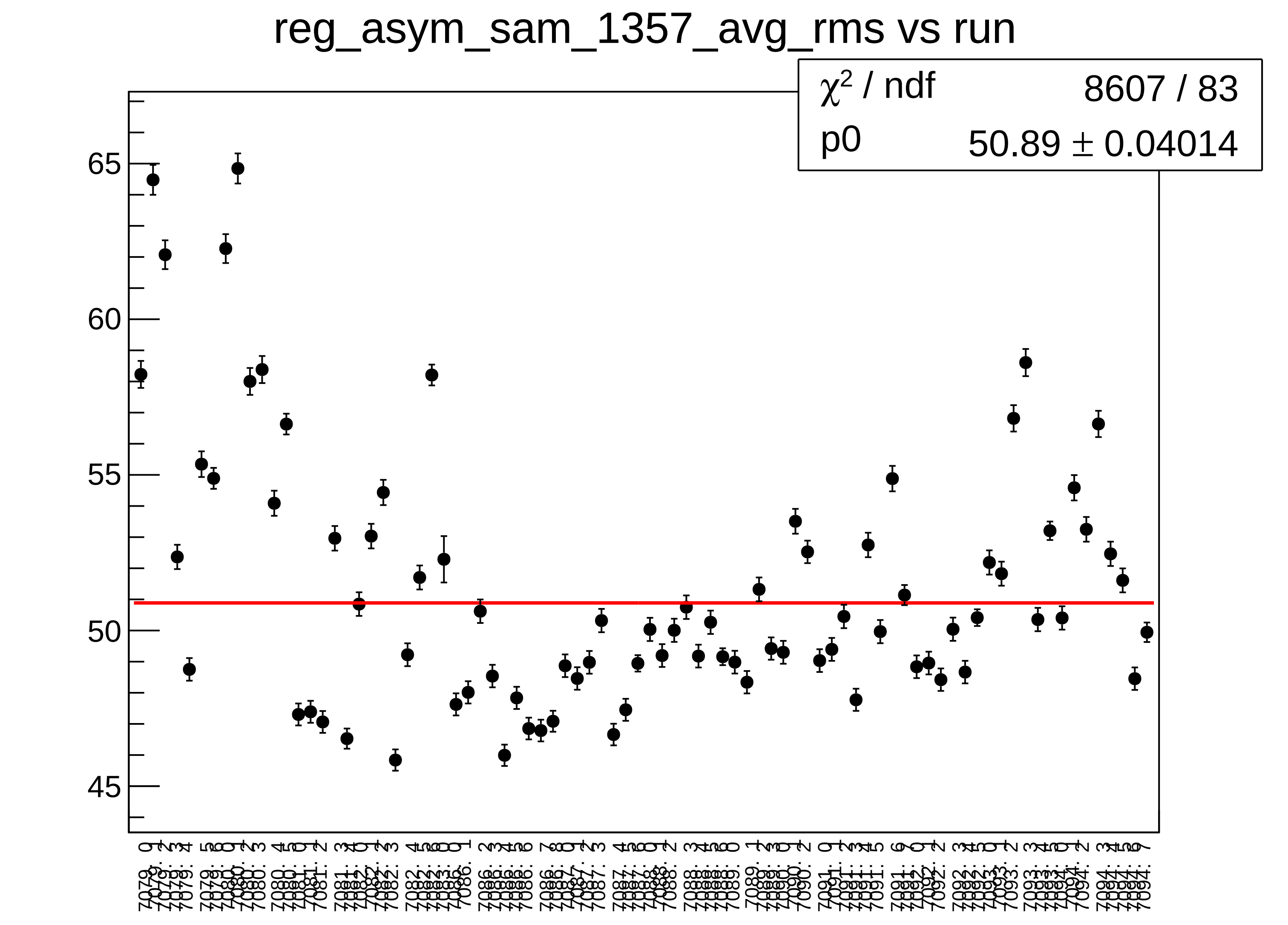

asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 6709 / 83
p0 180.3 ± 0.1422
210
200
190
180
170
160
150



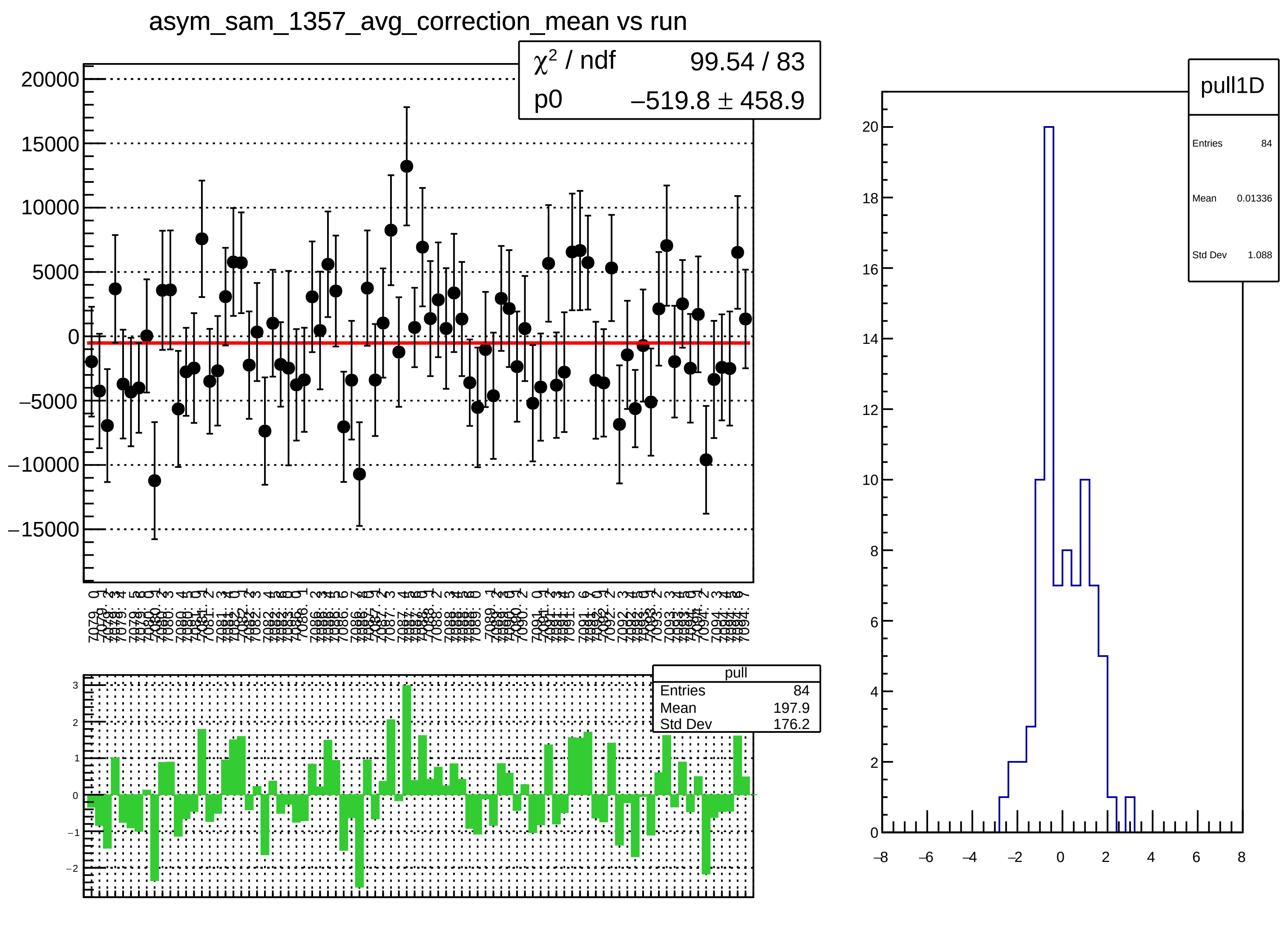
asym_sam_37_26_dd_mean vs run
χ^2 / ndf 91.6 / 83
p0 −94.92 ± 206.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 84
Mean −83.37
Std Dev 132.7
pull1D
Entries 84
Mean −0.01276
Std Dev 1.044

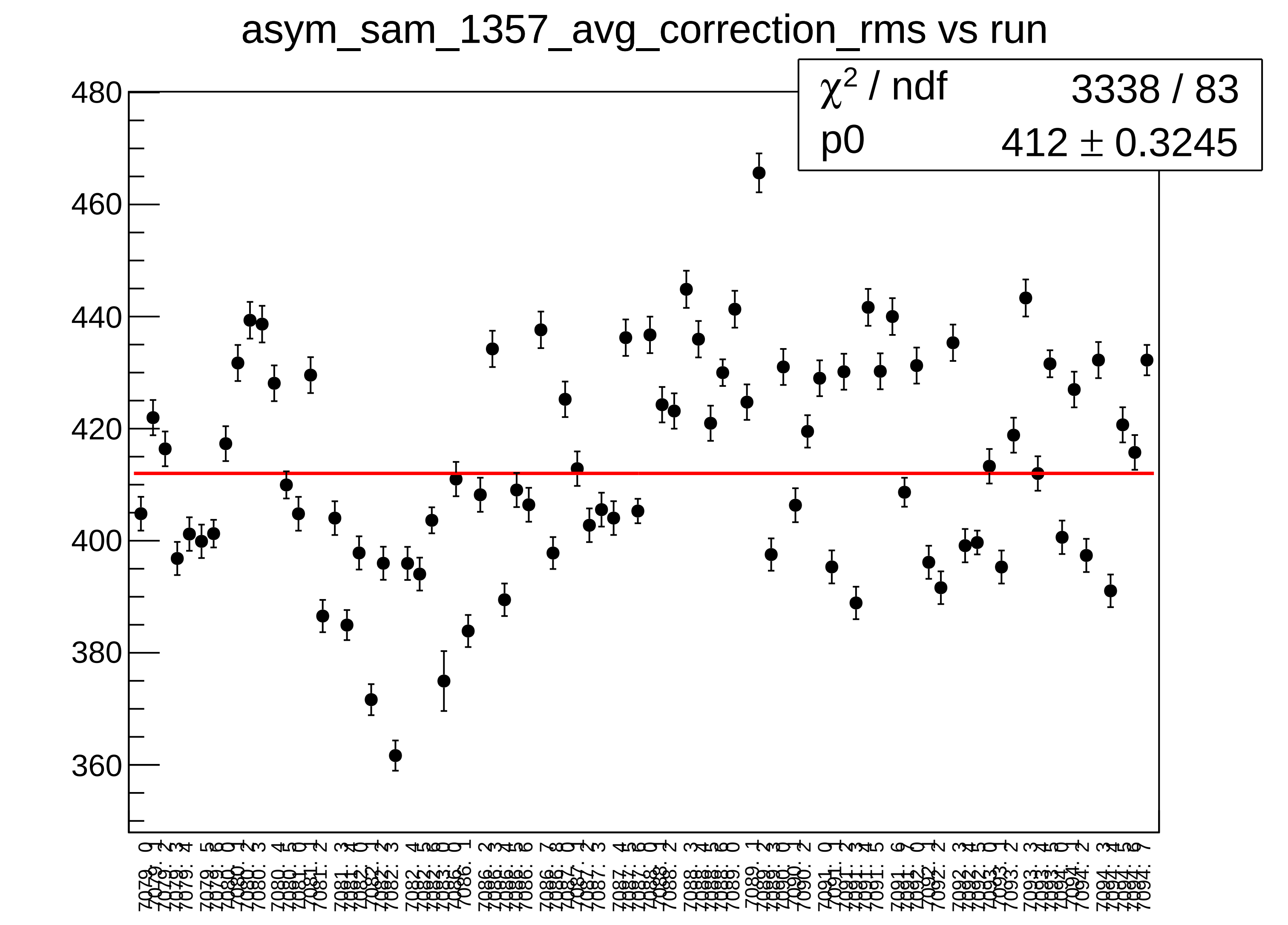

asym_sam_37_26_dd_rms vs run
χ2 / ndf 6212 / 83
p0 185 ± 0.1458
210
200
190
180
170
160

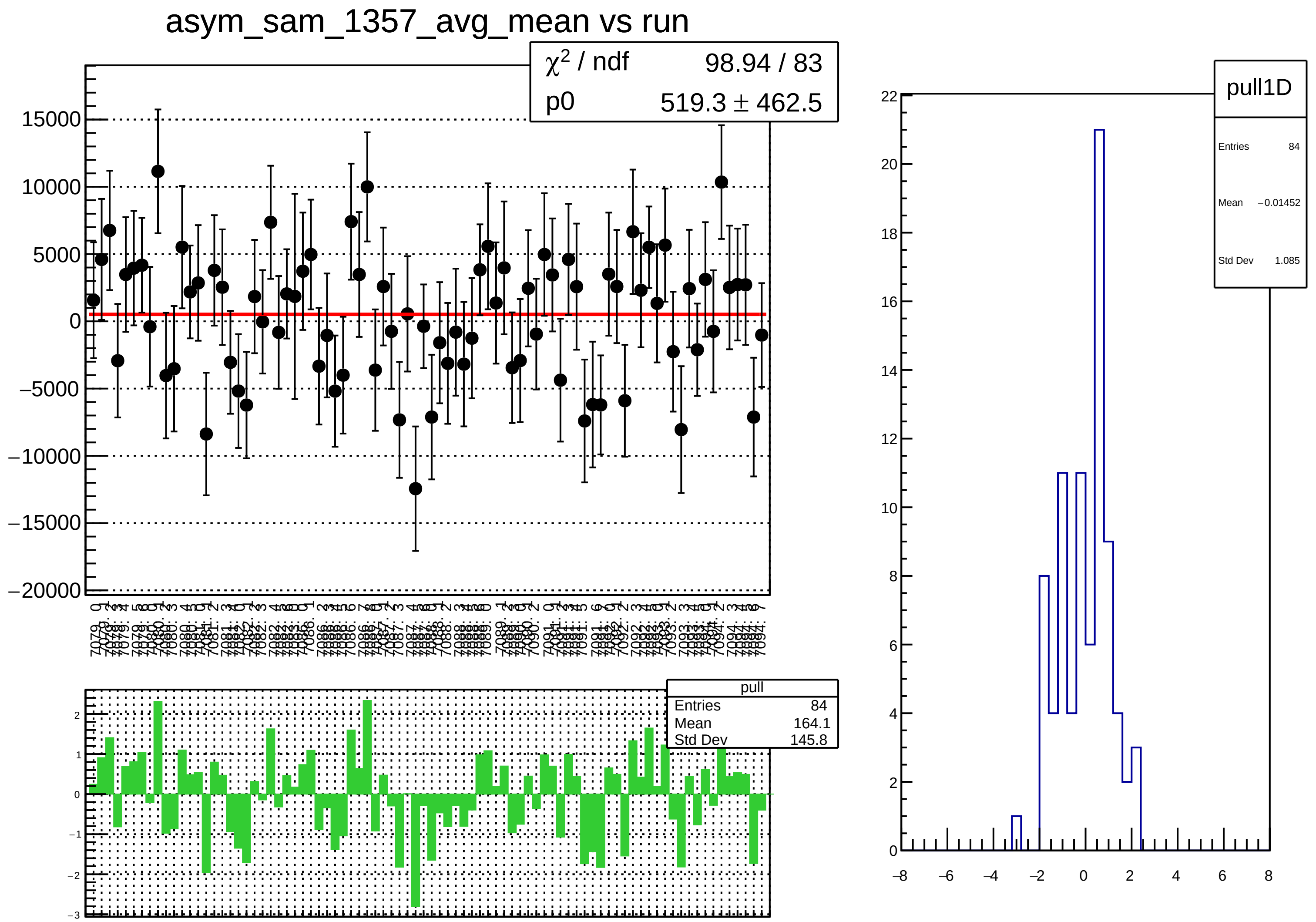

reg_asym_sam_1357_avg_mean vs run
χ^2 / ndf 86.02 / 83
p0 3.207 ± 56.77
pull
Entries 84
Mean −115.1
Std Dev 162.6
pull1D
Entries 84
Mean −0.01371
Std Dev 1.012



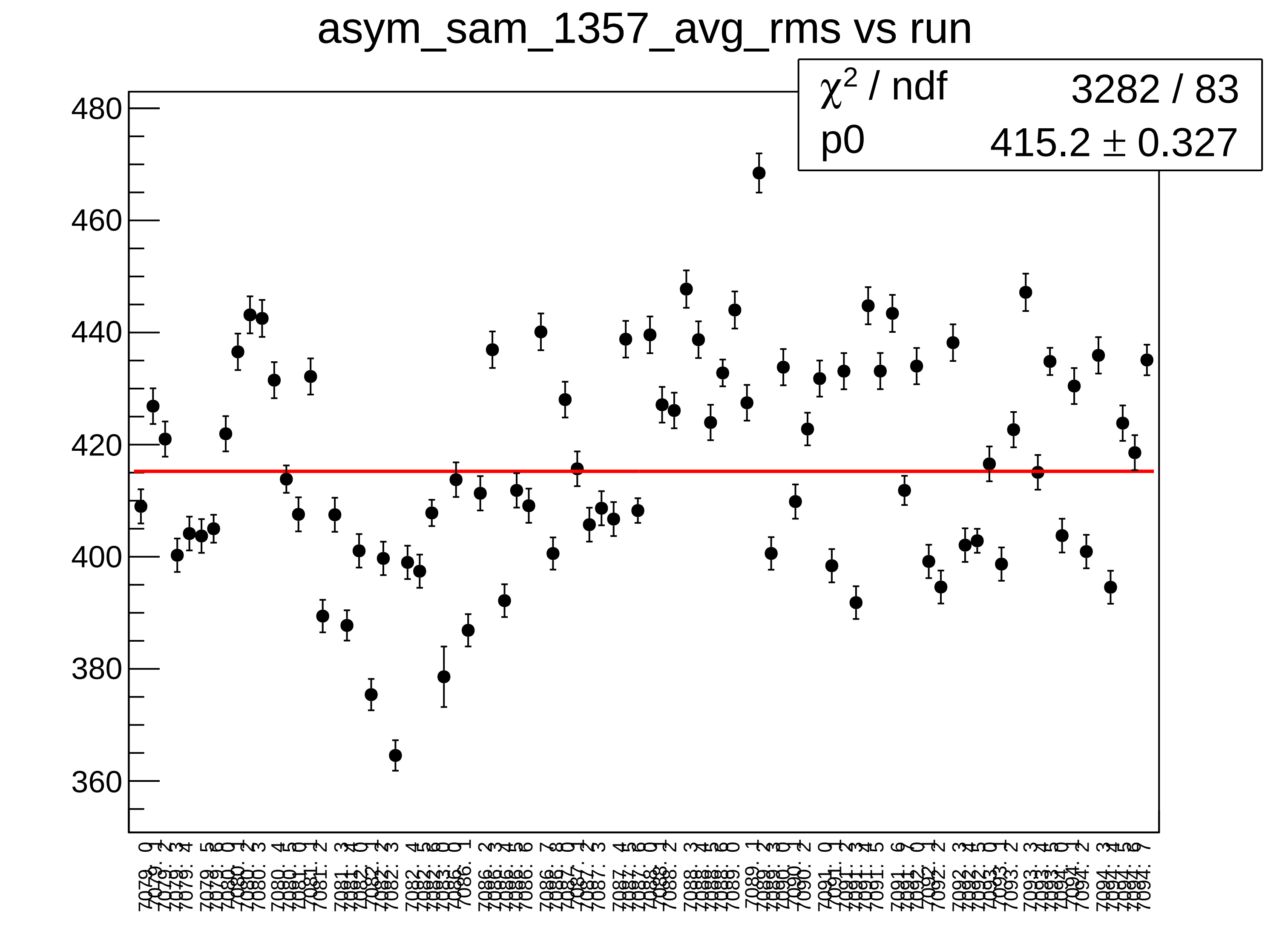
reg_asym_sam_1357_avg_rms vs run
χ2 / ndf 8607 / 83
p0 50.89 ± 0.04014
65
60
55
50
45

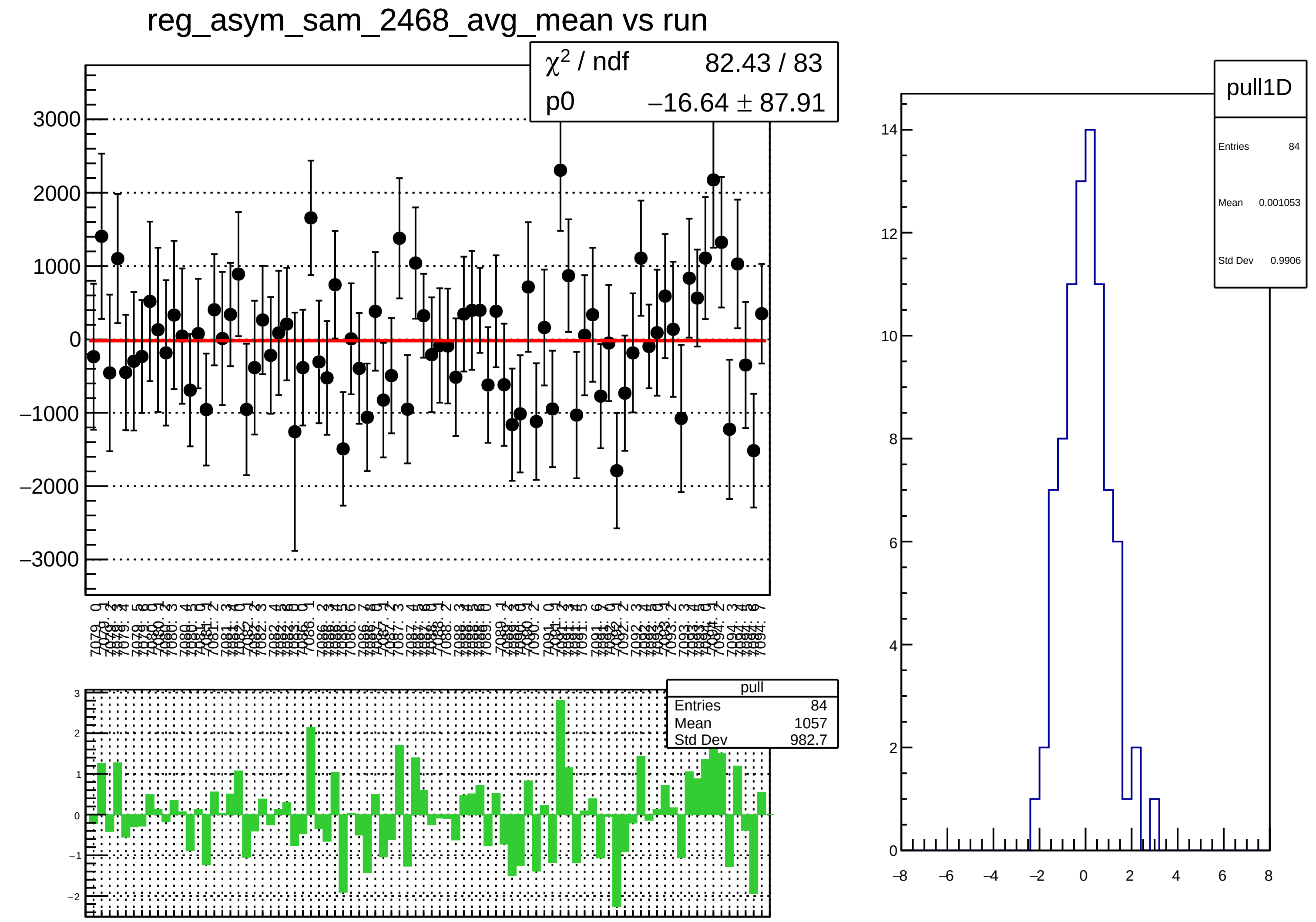

asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 99.54 / 83
p0 −519.8 ± 458.9
pull
Entries 84
Mean 197.9
Std Dev 176.2
pull1D
Entries 84
Mean 0.01336
Std Dev 1.088


asym_sam_1357_avg_correction_rms vs run
χ2 / ndf 3338 / 83
p0 412 ± 0.3245
480
460
440
420
400
380
360

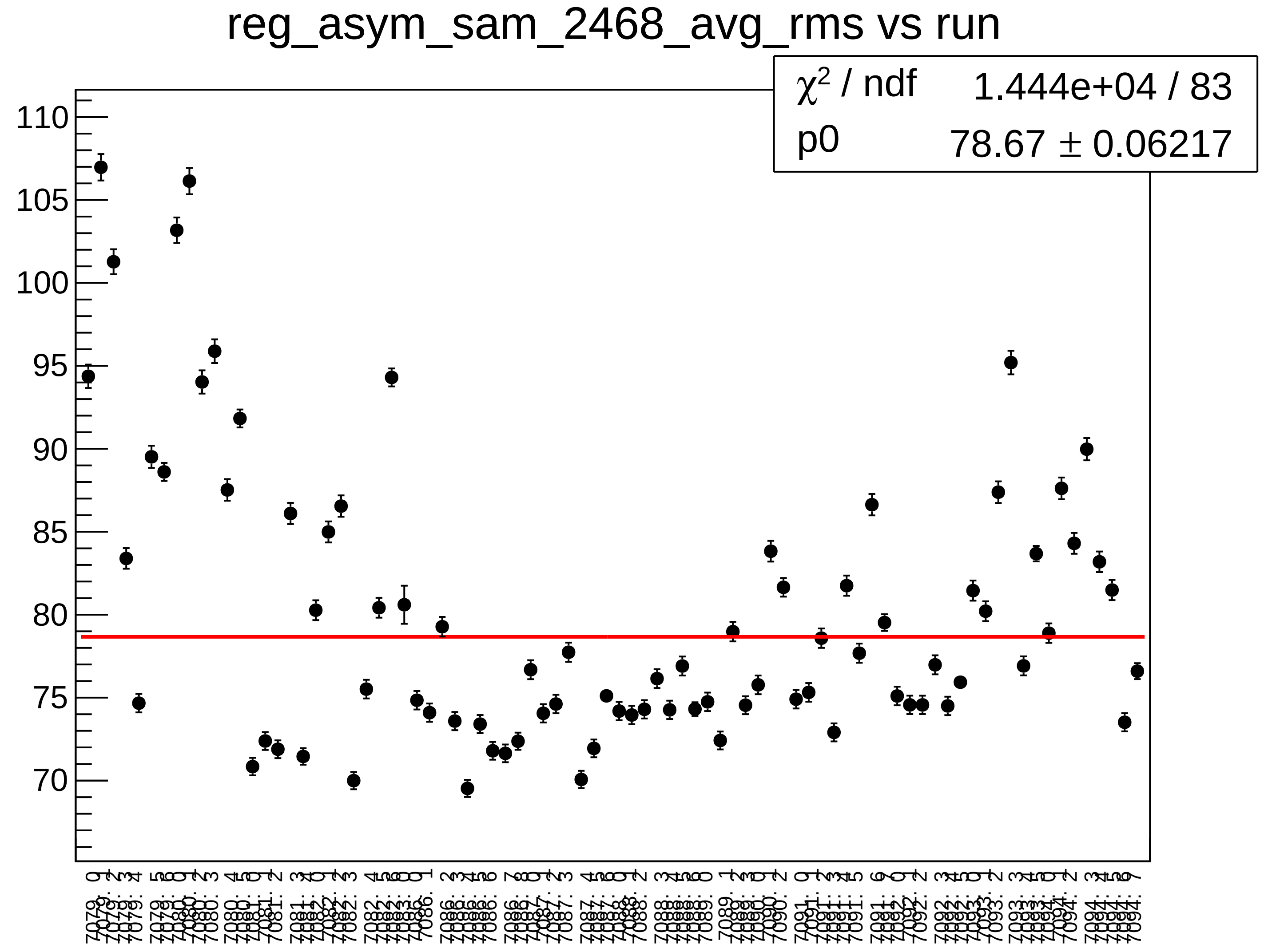


asym_sam_1357_avg_mean vs run
χ^2 / ndf 98.94 / 83
p0 519.3 ± 462.5
pull
Entries 84
Mean 164.1
Std Dev 145.8
pull1D
Entries 84
Mean −0.01452
Std Dev 1.085

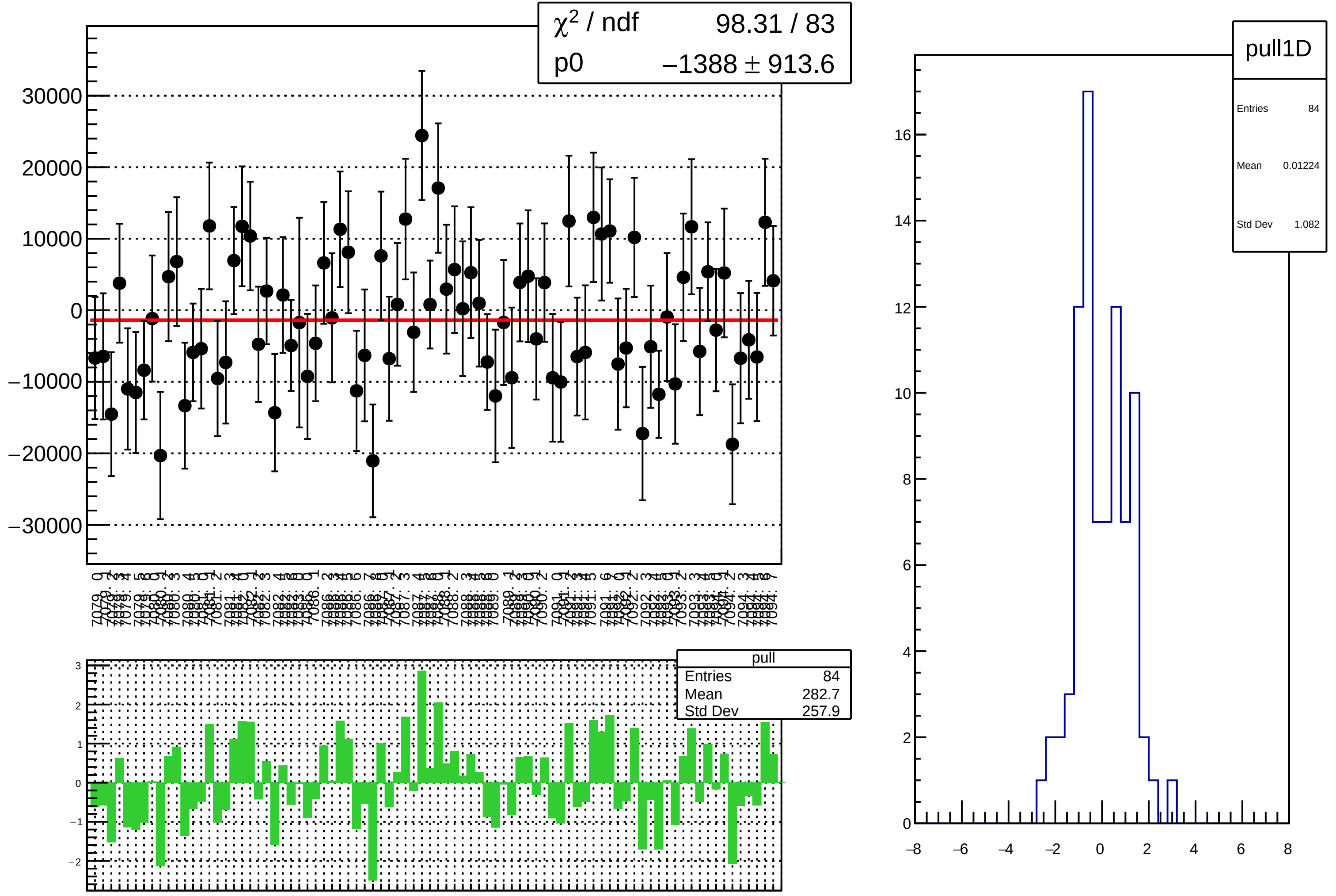

asym_sam_1357_avg_rms vs run
χ2 / ndf 3282 / 83
p0 415.2 ± 0.327
480
460
440
420
400
380
360

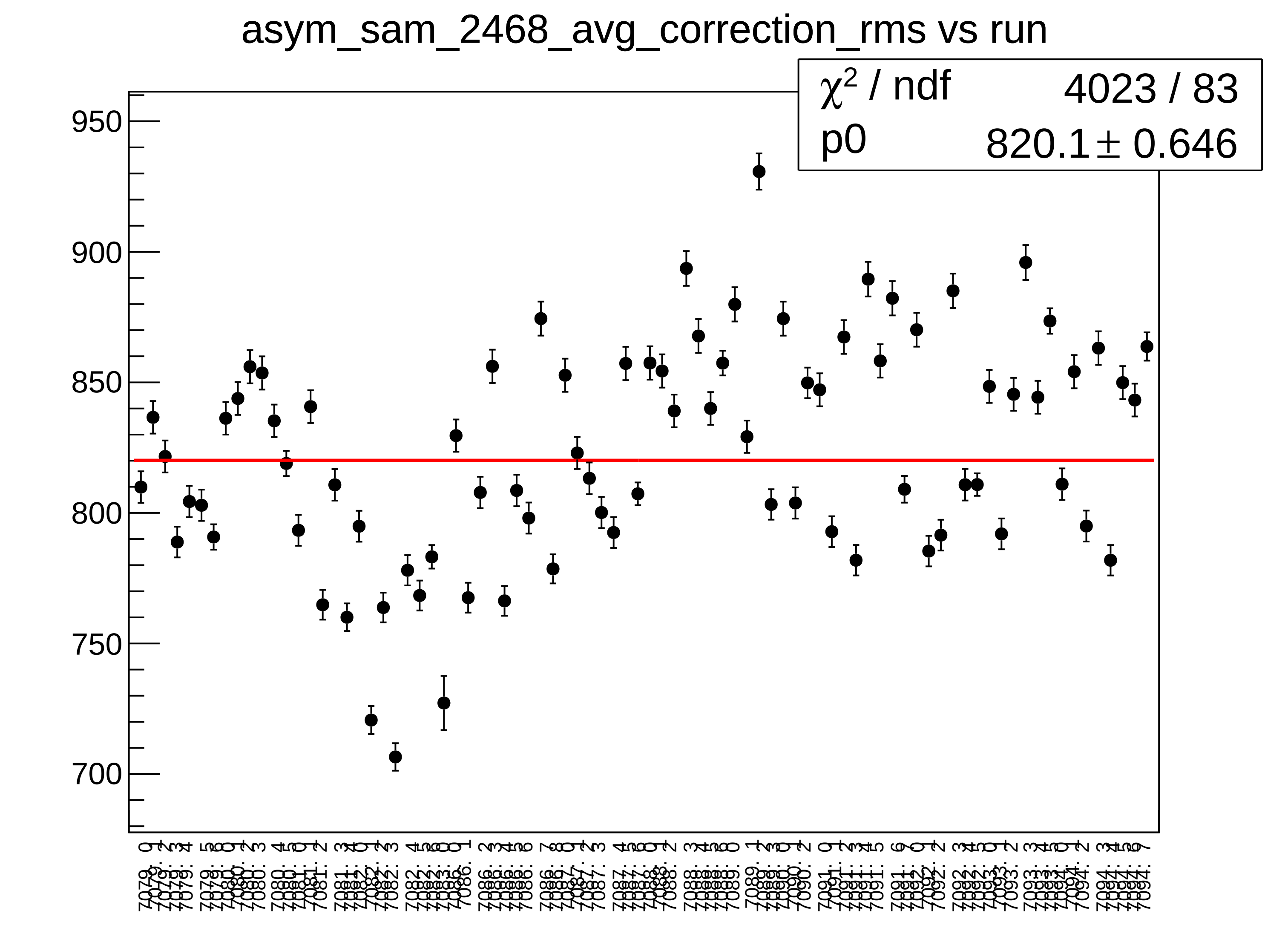


reg_asym_sam_2468_avg_mean vs run
χ^2 / ndf 82.43 / 83
p0 −16.64 ± 87.91
pull
Entries 84
Mean 1057
Std Dev 982.7
pull1D
Entries 84
Mean 0.001053
Std Dev 0.9906

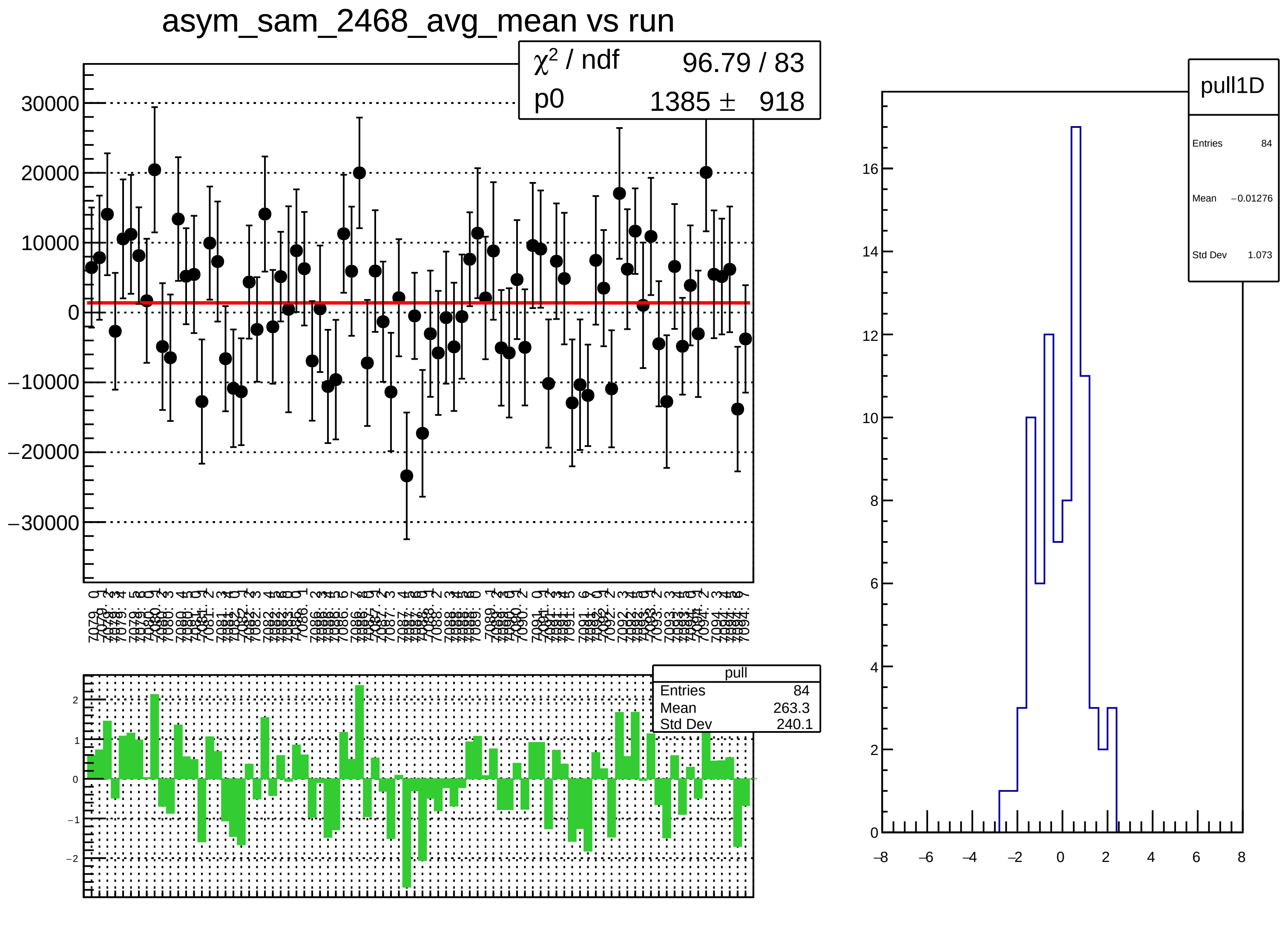

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.444e+04 / 83
p0 78.67 ± 0.06217
110
105
100
95
90
85
80
75
70

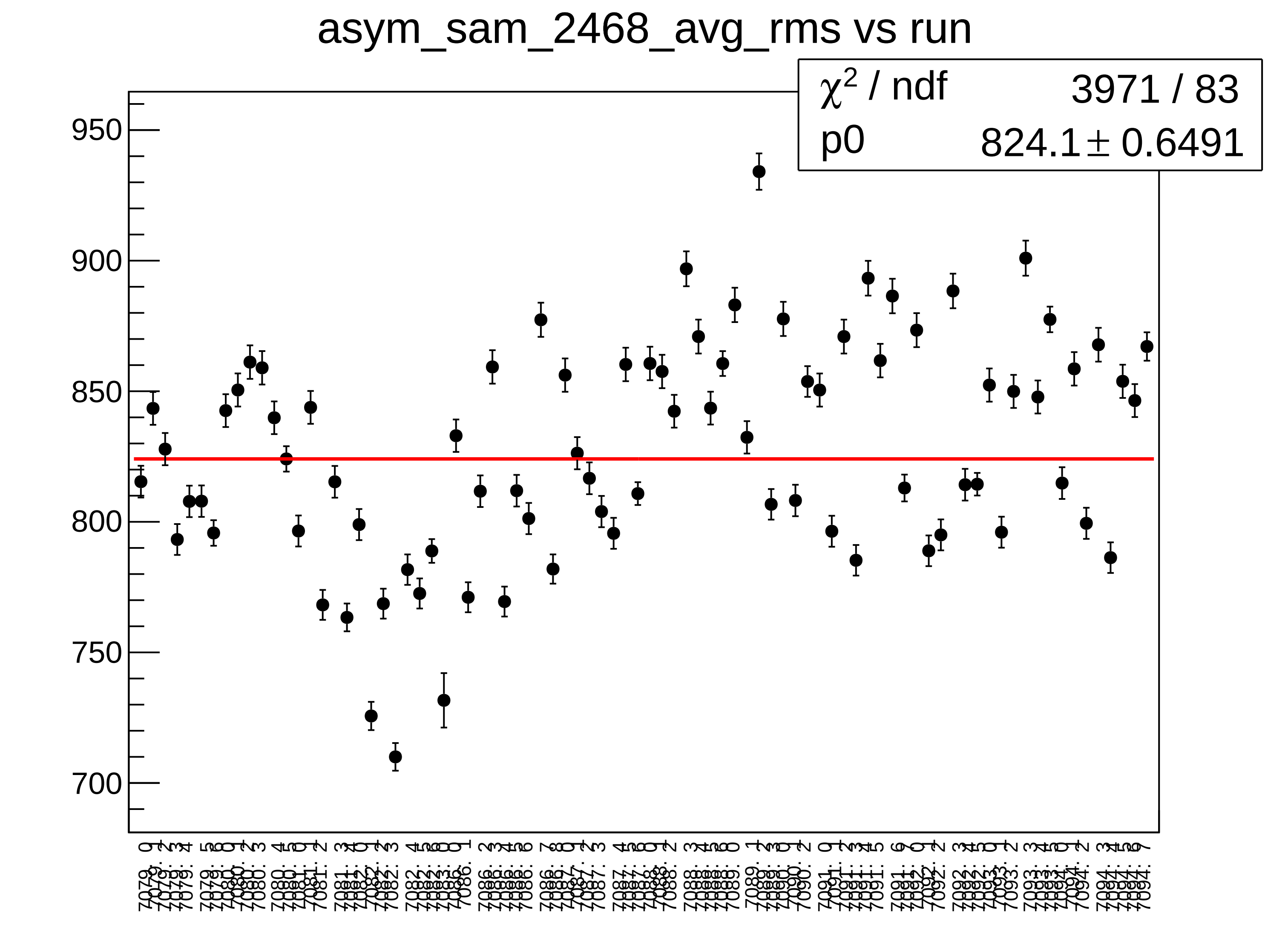
asym_sam_2468_avg_correction_mean vs run



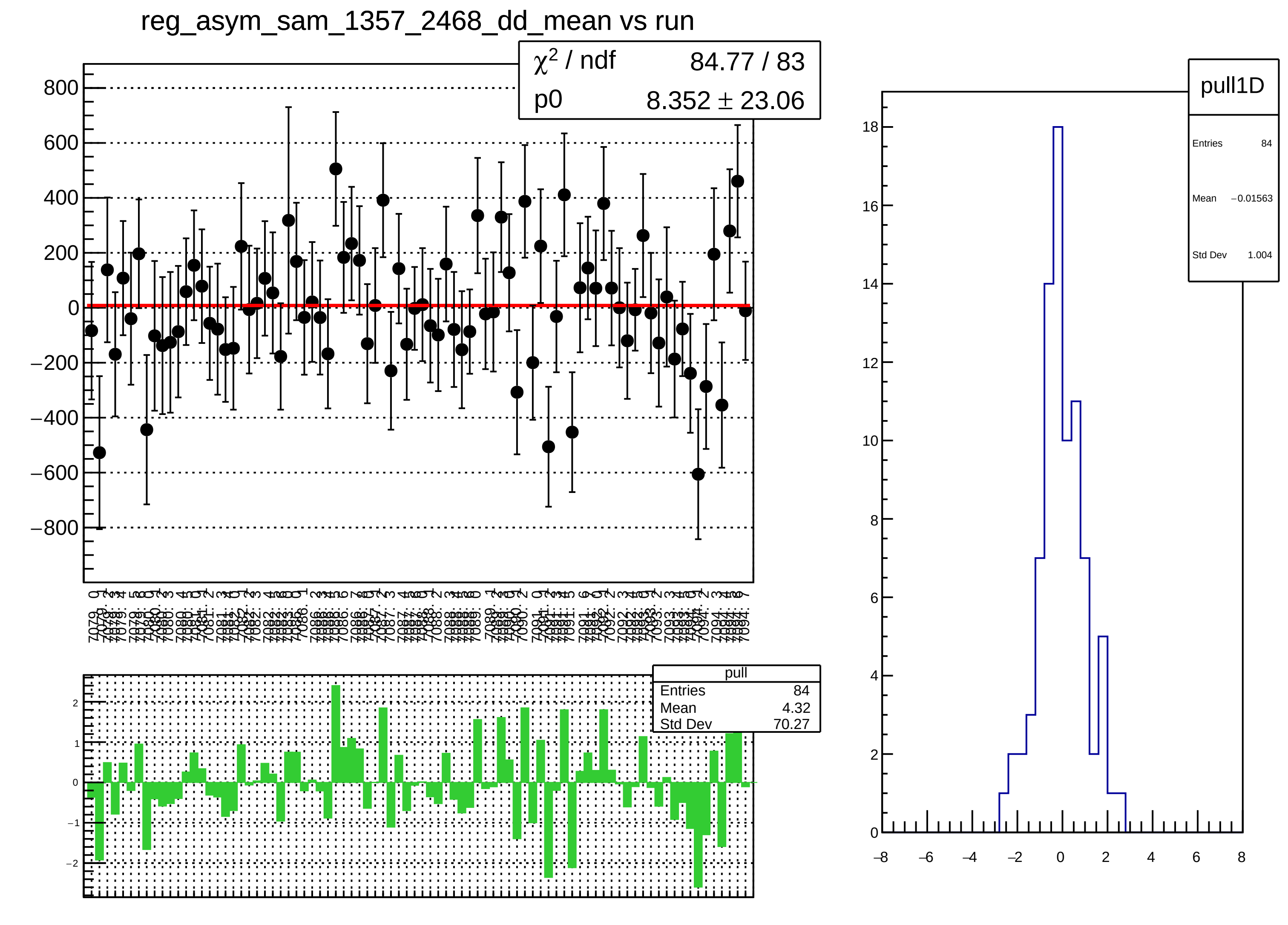


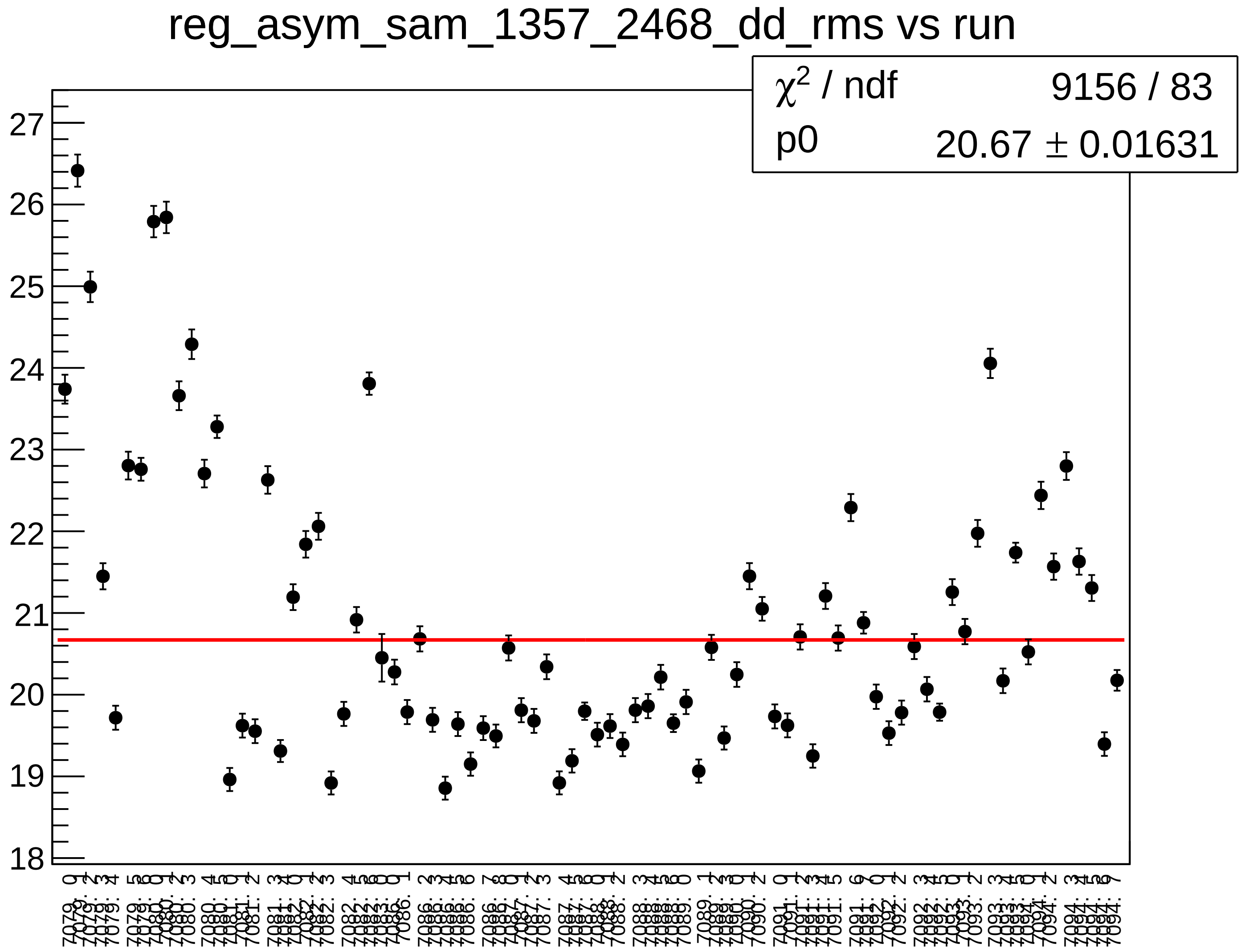
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 4023 / 83
p0 820.1 ± 0.646
950
900
850
800
750
700


asym_sam_2468_avg_mean vs run
χ^2 / ndf 96.79 / 83
p0 1385 ± 918
pull
Entries 84
Mean 263.3
Std Dev 240.1
pull1D
Entries 84
Mean −0.01276
Std Dev 1.073

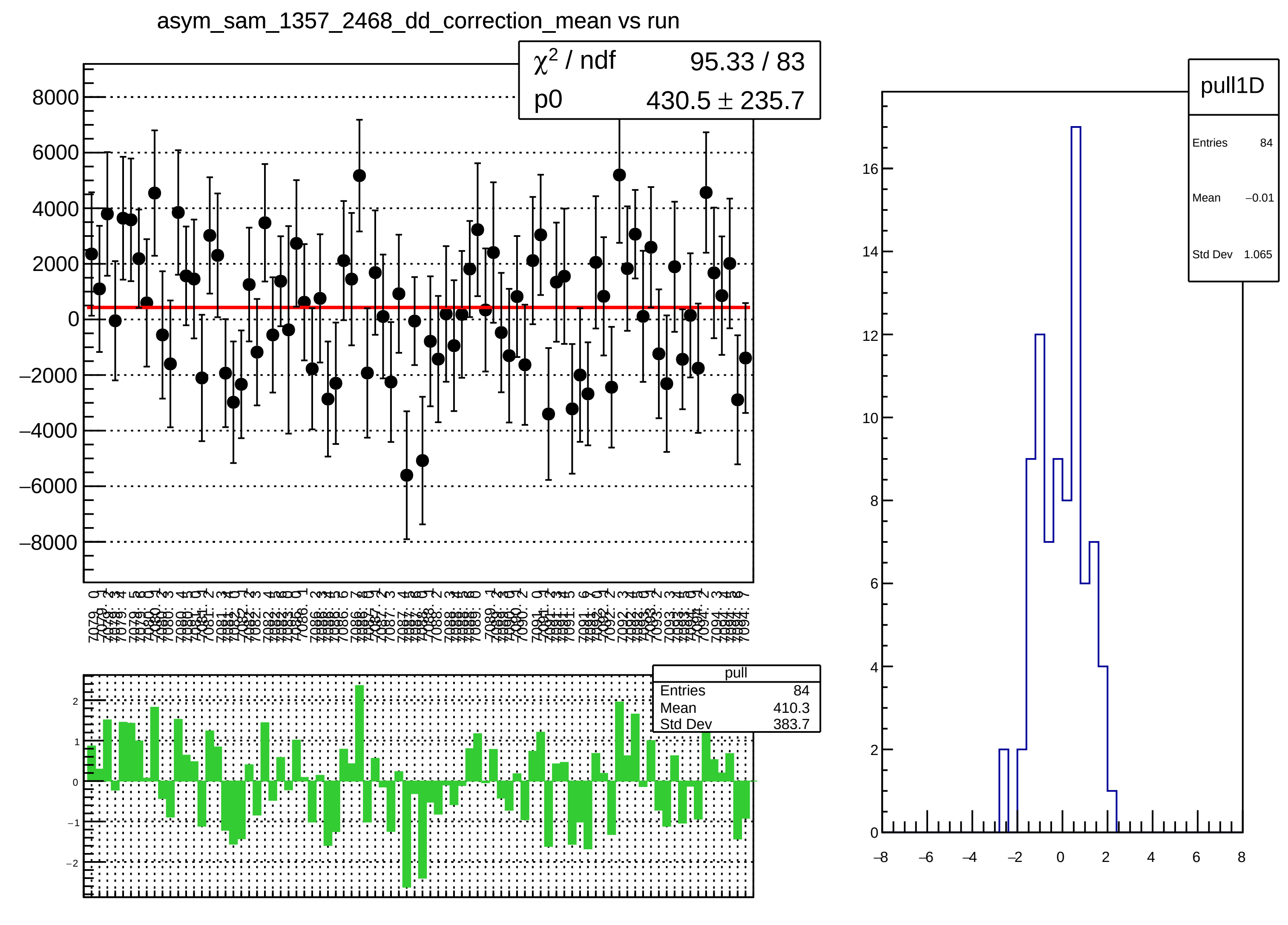


asym_sam_2468_avg_rms vs run
χ^2 / ndf 3971 / 83
p0 824.1 ± 0.6491
950
900
850
800
750
700

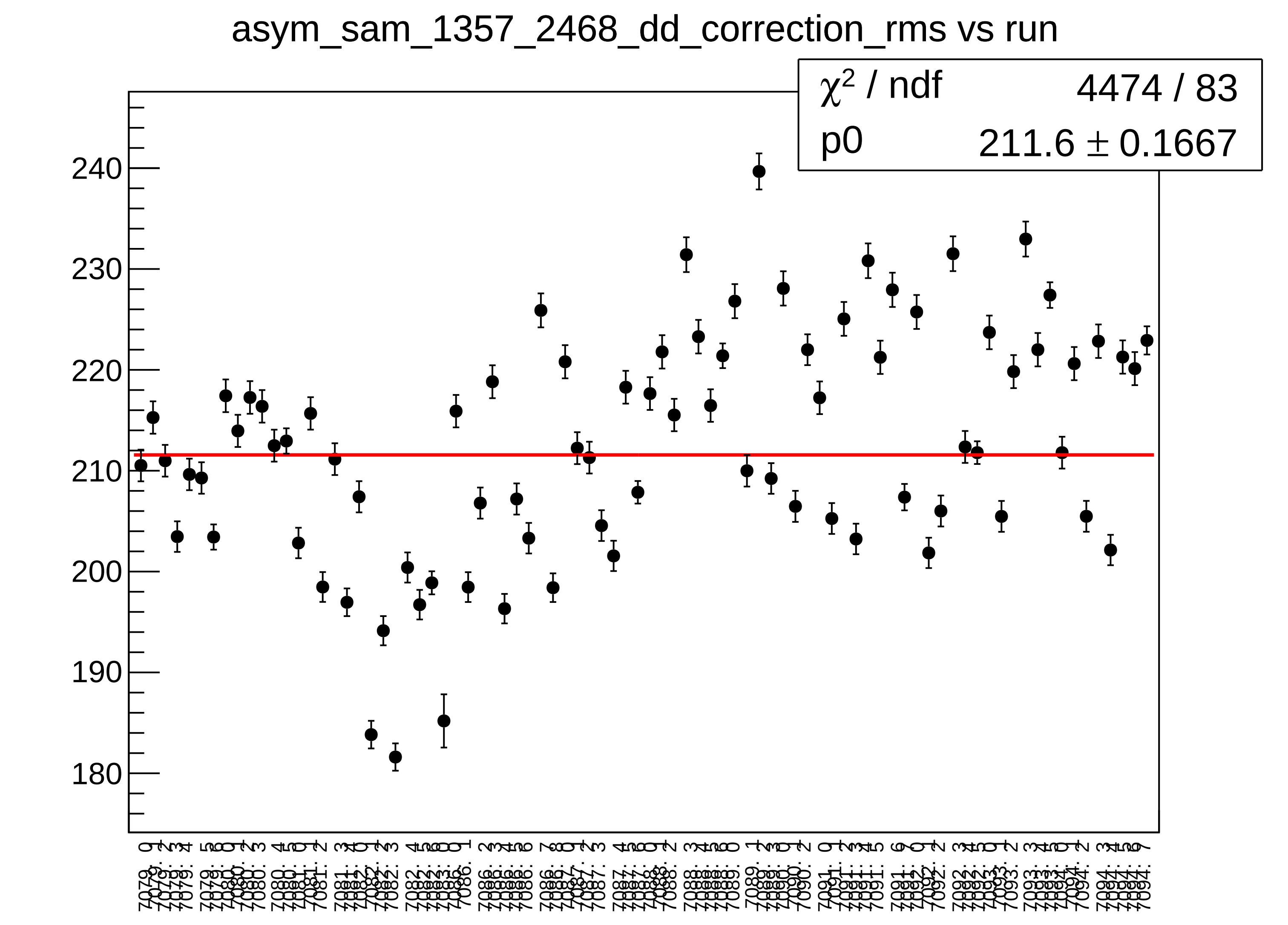

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 84.77 / 83
p0 8.352 ± 23.06
pull
Entries 84
Mean 4.32
Std Dev 70.27
pull1D
Entries 84
Mean −0.01563
Std Dev 1.004

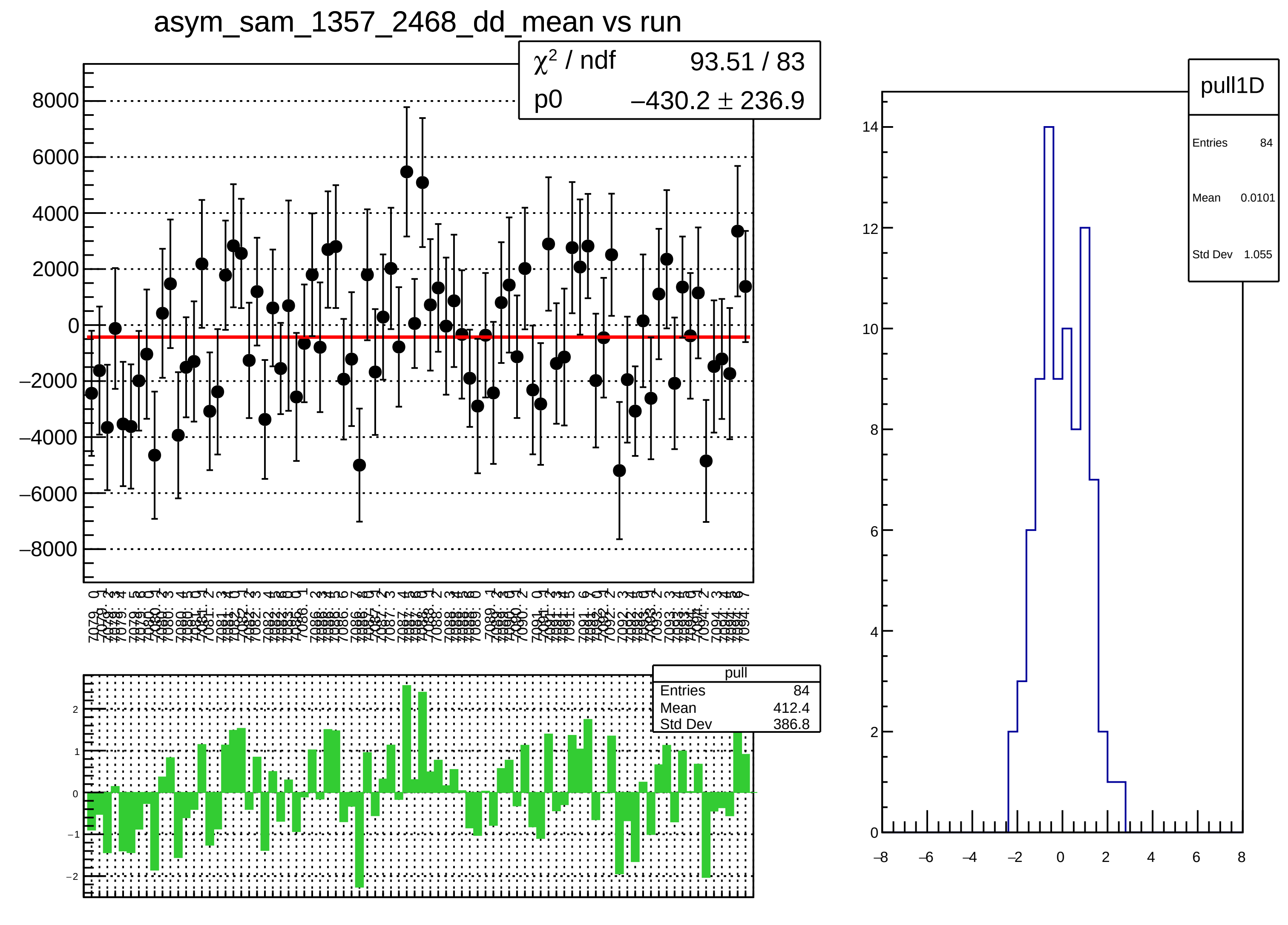


reg_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 9156 / 83
p0 20.67 ± 0.01631
18
19
20
21
22
23
24
25
26
27

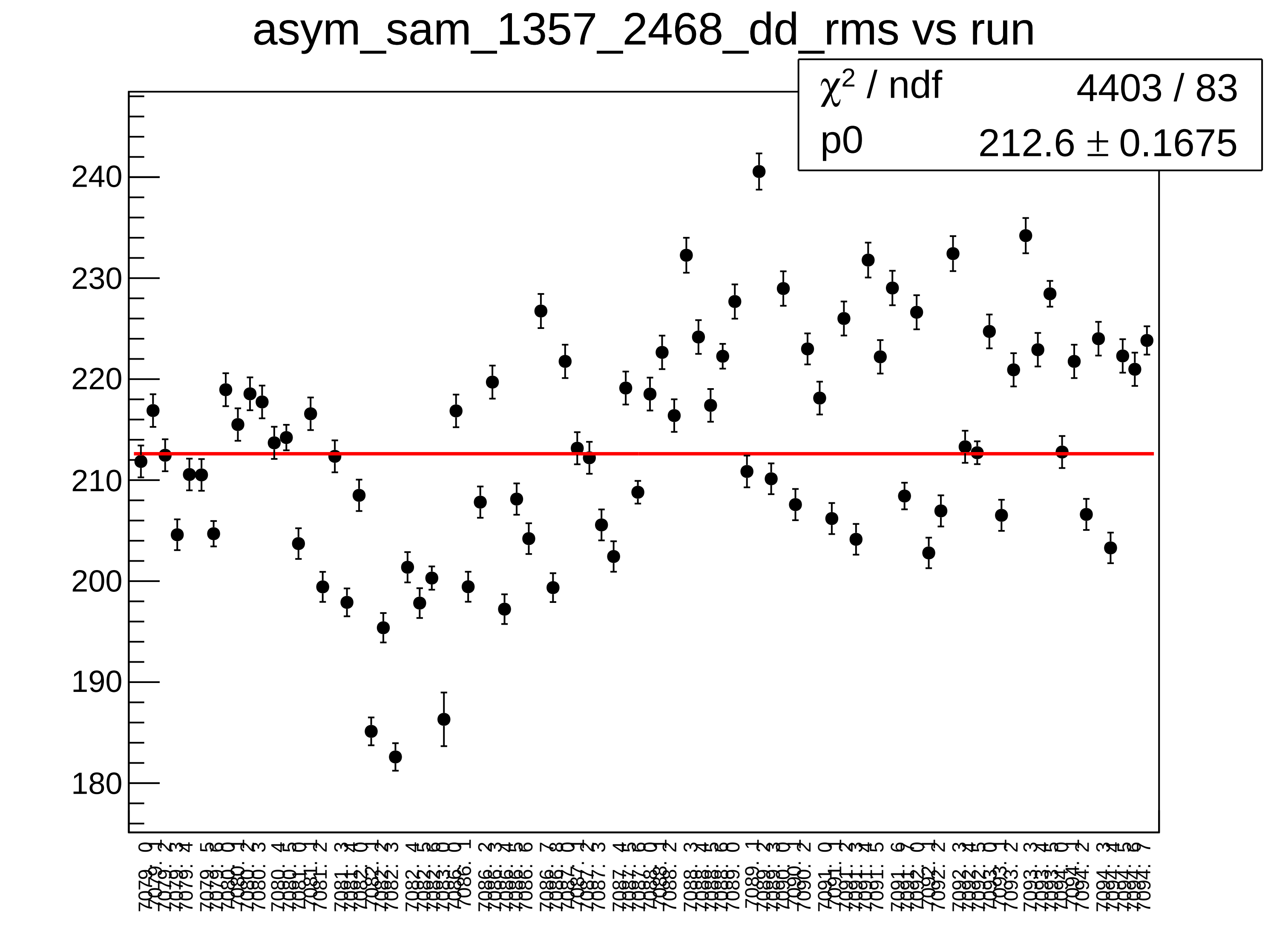


asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 95.33 / 83
p0 430.5 ± 235.7
pull
Entries 84
Mean 410.3
Std Dev 383.7
pull1D
Entries 84
Mean −0.01
Std Dev 1.065

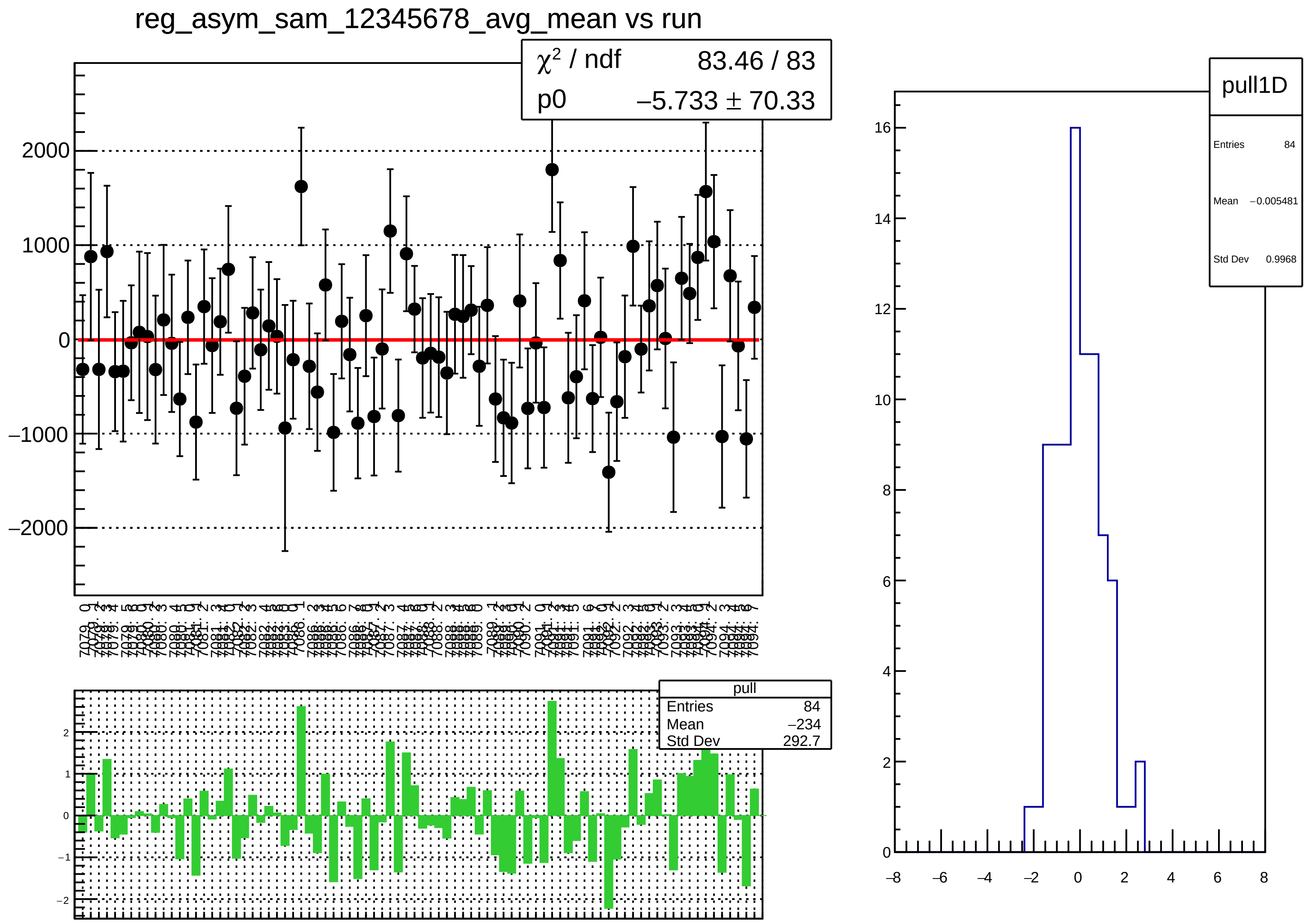

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 4474 / 83
p0 211.6 ± 0.1667
240
230
220
210
200
190
180



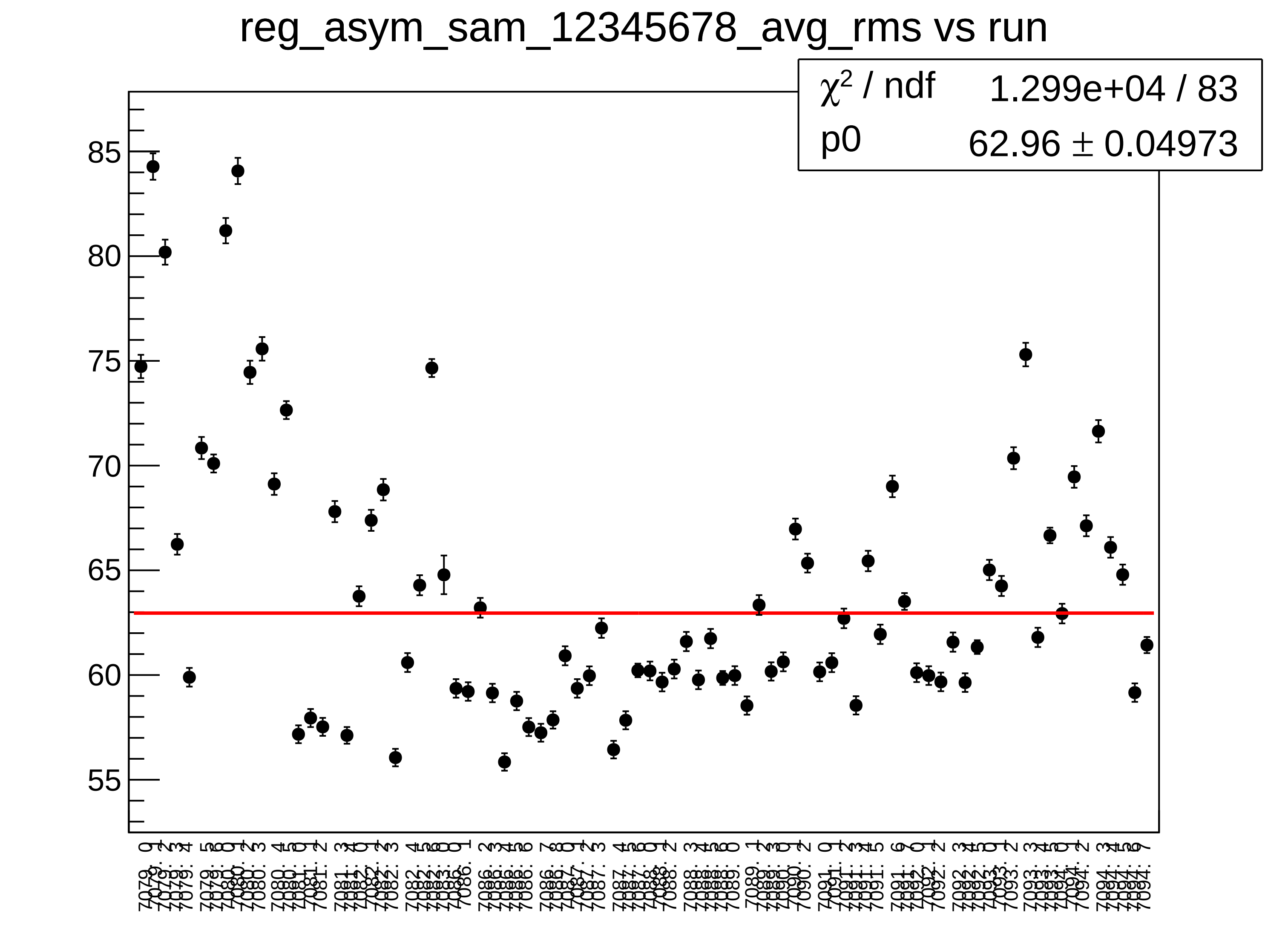
asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 93.51 / 83
p0 −430.2 ± 236.9
pull
Entries 84
Mean 412.4
Std Dev 386.8
pull1D
Entries 84
Mean 0.0101
Std Dev 1.055

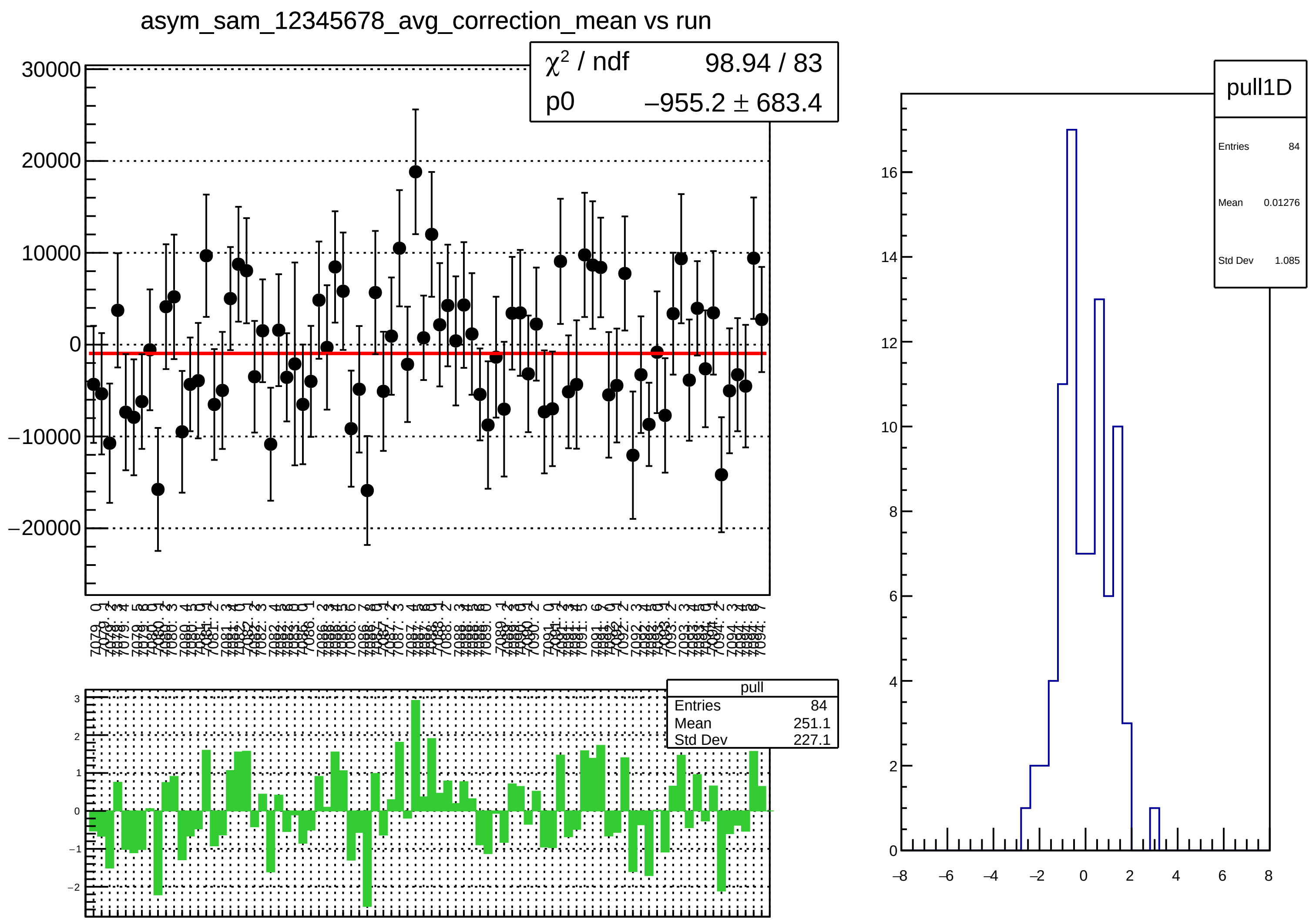


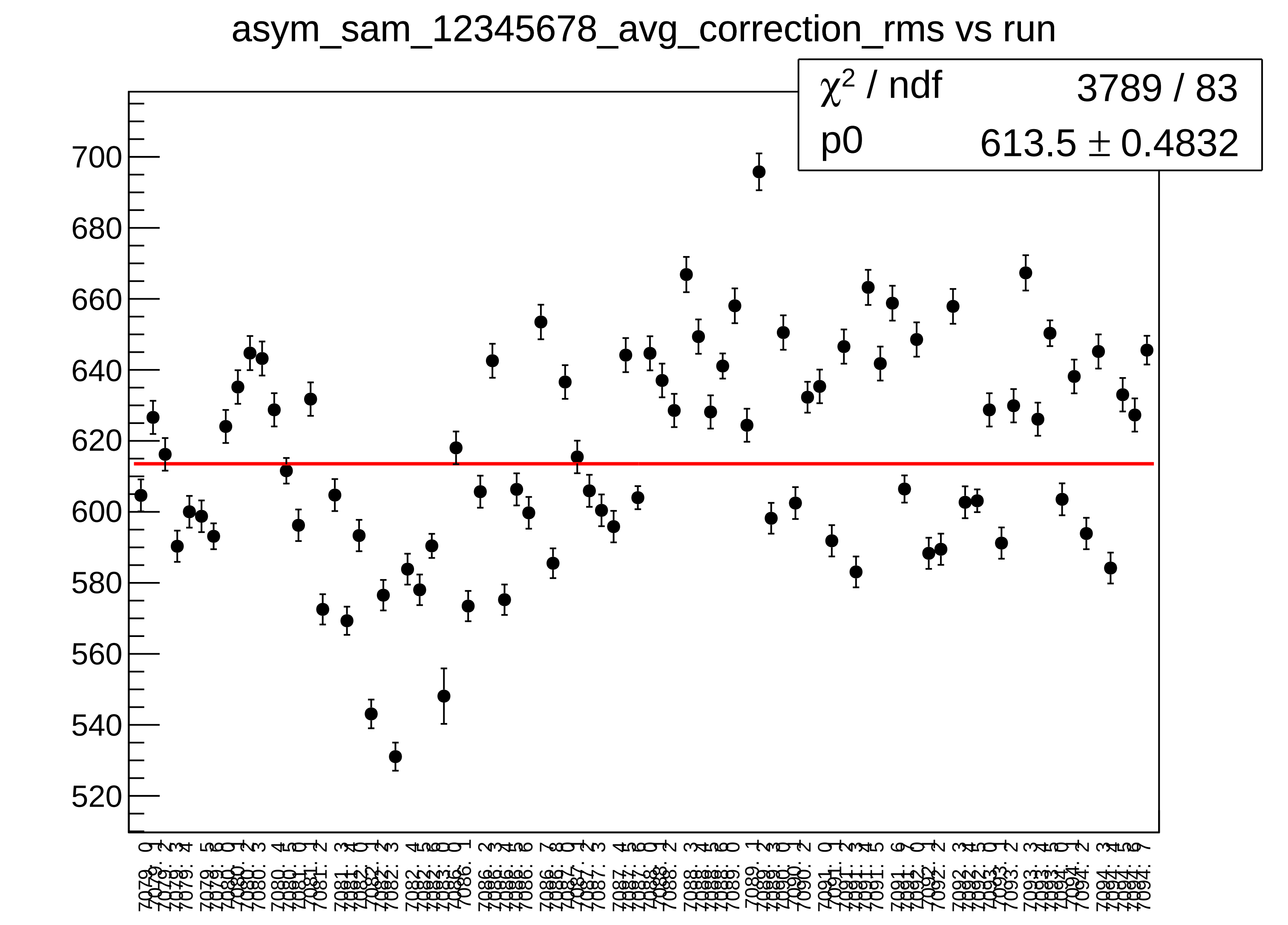
asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 4403 / 83
p0 212.6 ± 0.1675
240
230
220
210
200
190
180

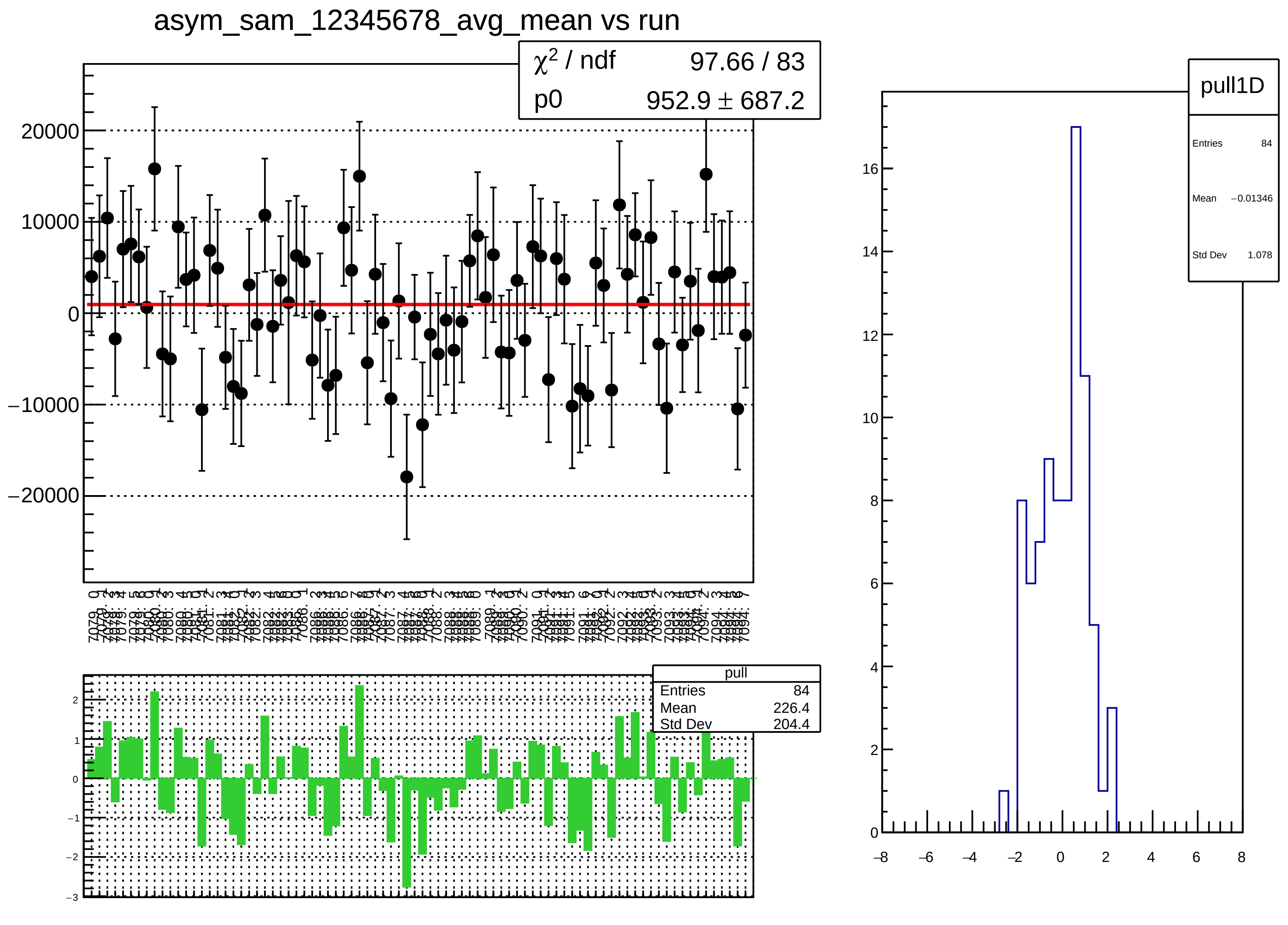


reg_asym_sam_12345678_avg_mean vs run
χ2 / ndf 83.46 / 83
p0 −5.733 ± 70.33
pull
Entries 84
Mean −234
Std Dev 292.7
pull1D
Entries 84
Mean −0.005481
Std Dev 0.9968

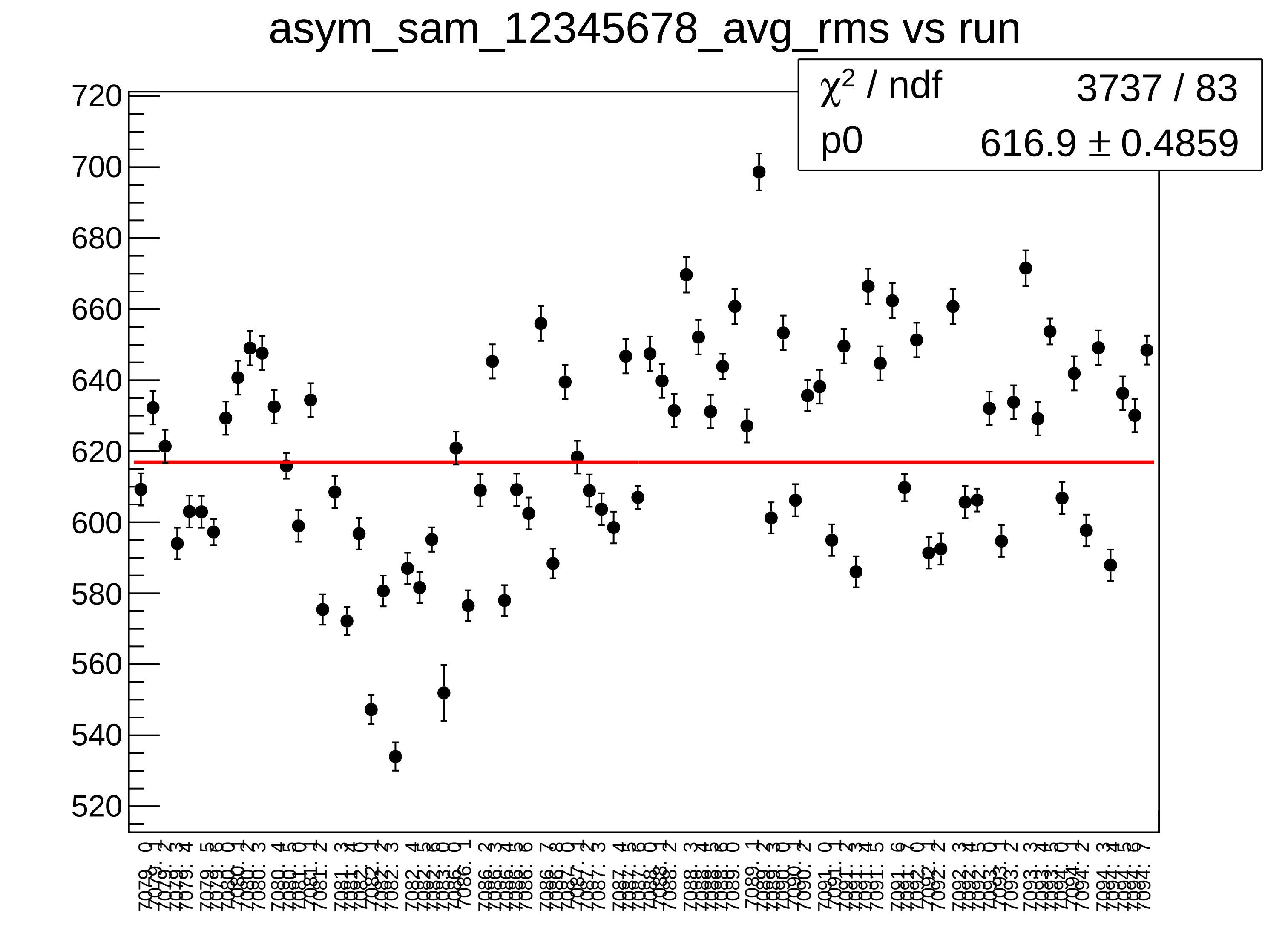

reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.299e+04 / 83
p0 62.96 ± 0.04973
85
80
75
70
65
60
55


asym_sam_12345678_avg_correction_mean vs run
χ2 / ndf 98.94 / 83
p0 −955.2 ± 683.4
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 251.1
Std Dev 227.1
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.01276
Std Dev 1.085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

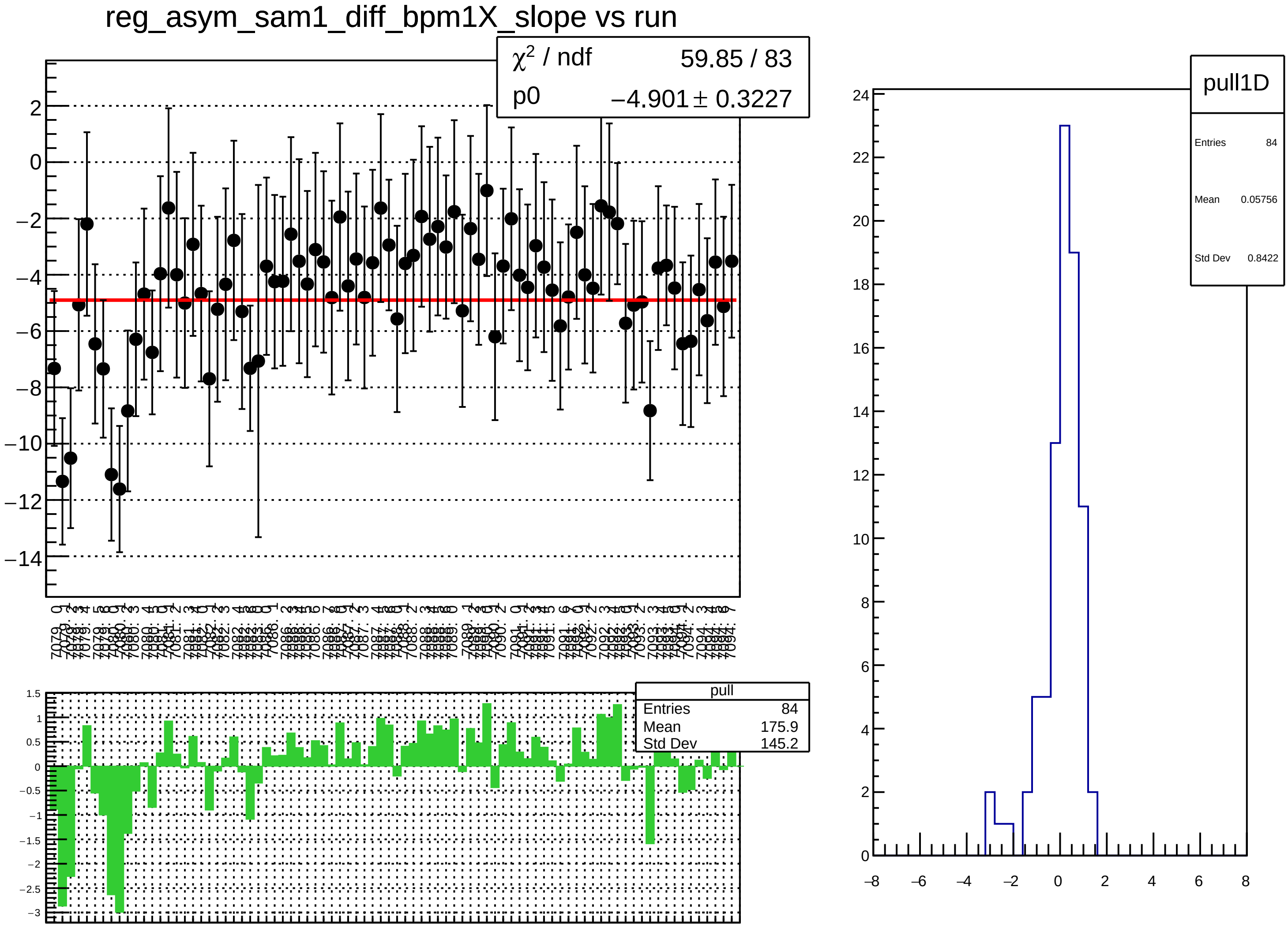

asym_sam_12345678_avg_correction_rms vs run
χ2 / ndf 3789 / 83
p0 613.5 ± 0.4832
700
680
660
640
620
600
580
560
540
520



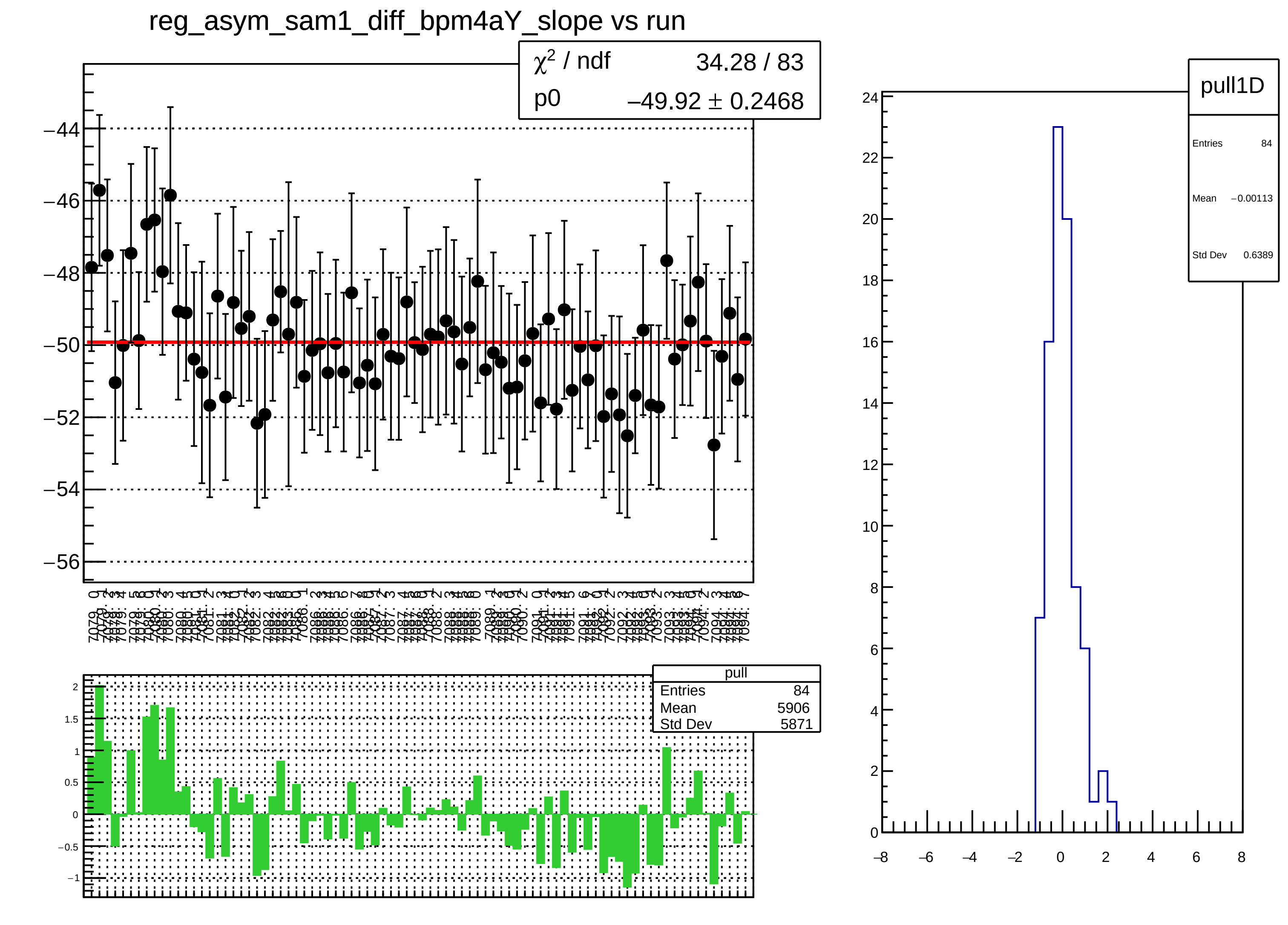
asym_sam_12345678_avg_mean vs run
χ^2 / ndf 97.66 / 83
p0 952.9 ± 687.2
pull
Entries 84
Mean 226.4
Std Dev 204.4
pull1D
Entries 84
Mean −0.01346
Std Dev 1.078

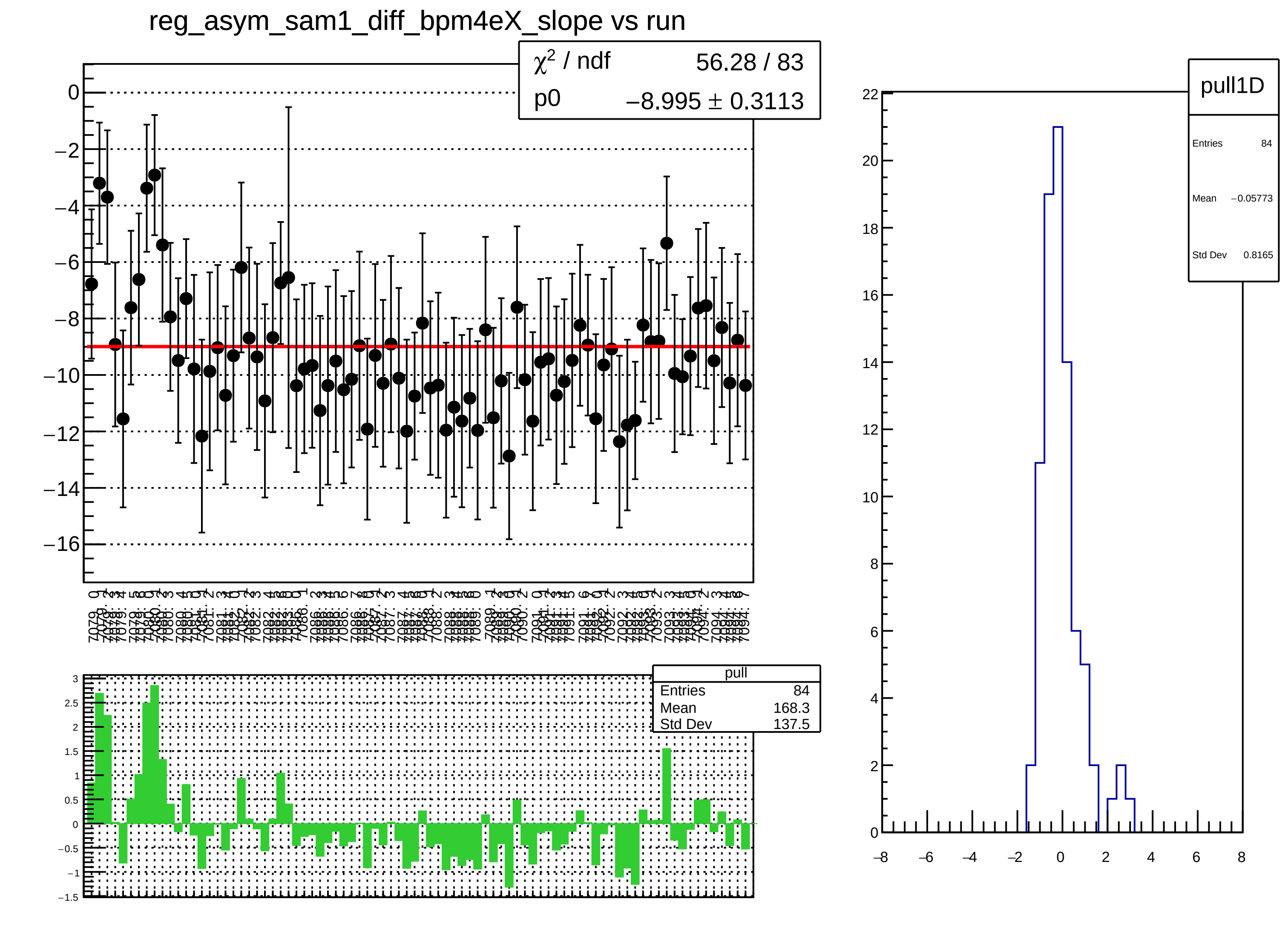


asym_sam_12345678_avg_rms vs run
χ2 / ndf 3737 / 83
p0 616.9 ± 0.4859
720
700
680
660
640
620
600
580
560
540
520

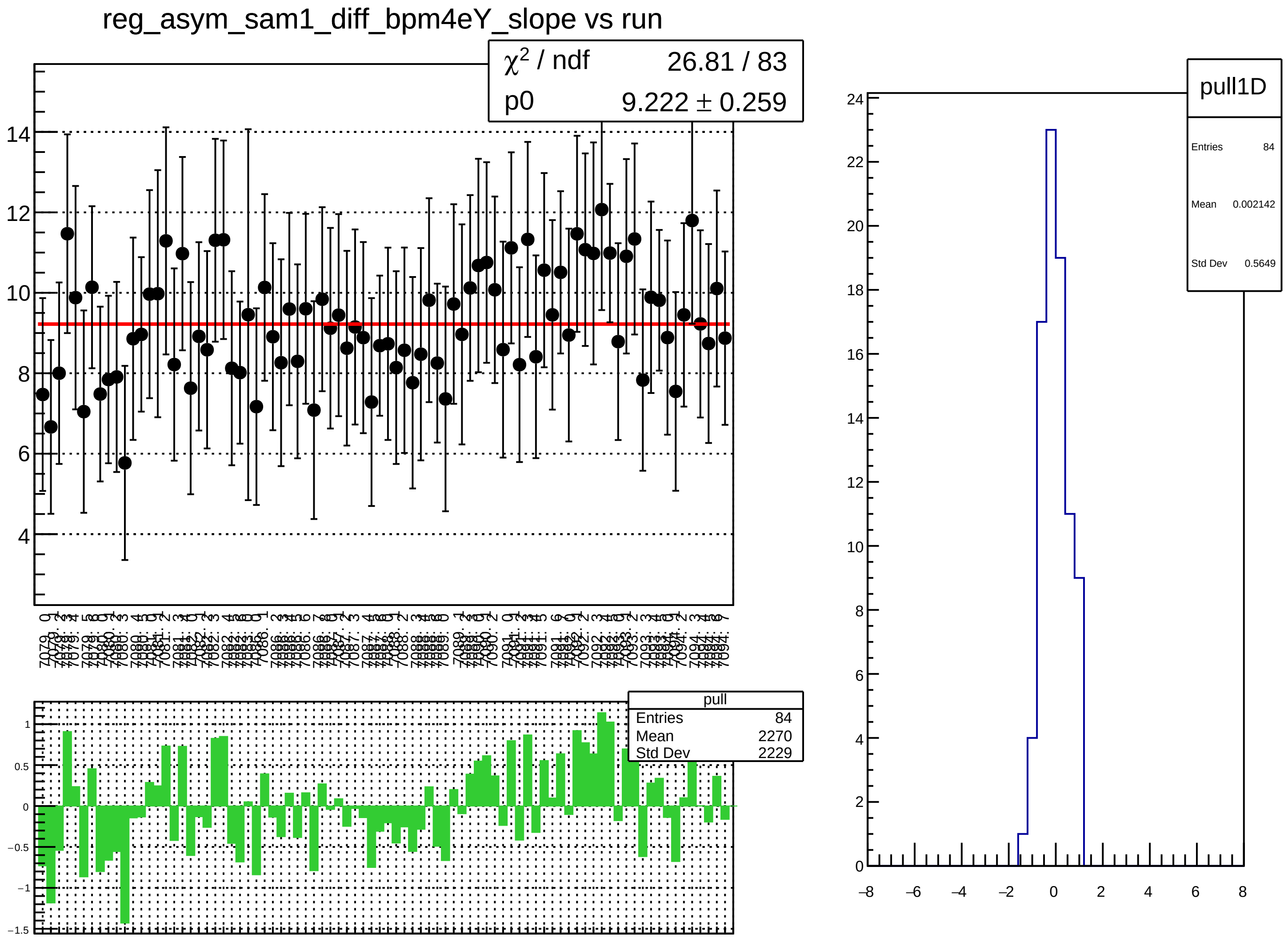


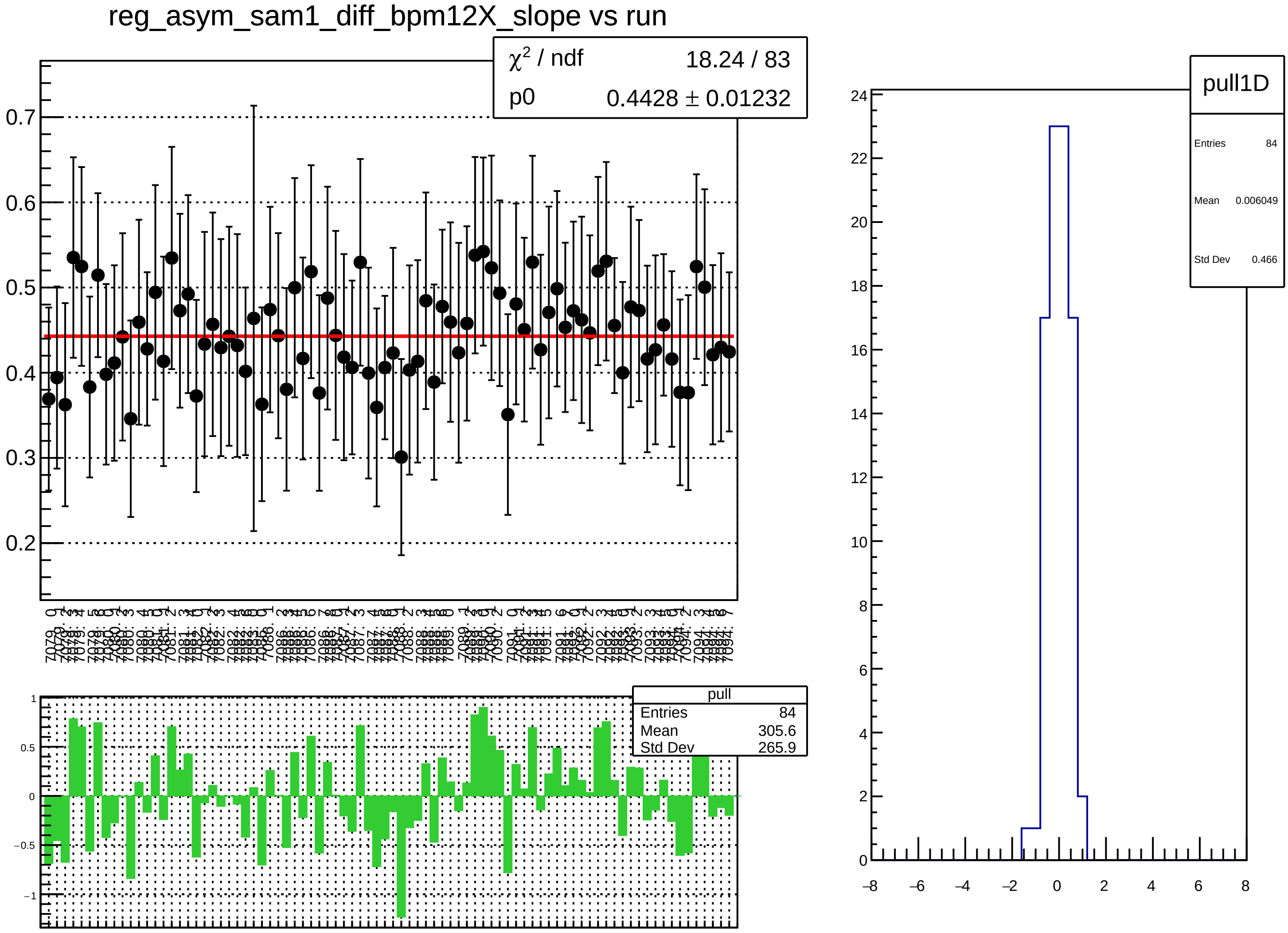
reg_asym_sam1_diff_bpm1X_slope vs run
χ2 / ndf 59.85 / 83
p0 −4.901 ± 0.3227
pull
Entries 84
Mean 175.9
Std Dev 145.2
pull1D
Entries 84
Mean 0.05756
Std Dev 0.8422


reg_asym_sam1_diff_bpm4aY_slope vs run
χ2 / ndf 34.28 / 83
p0 −49.92 ± 0.2468
−44
−46
−48
−50
−52
−54
−56
pull
Entries 84
Mean 5906
Std Dev 5871
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.00113
Std Dev 0.6389
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

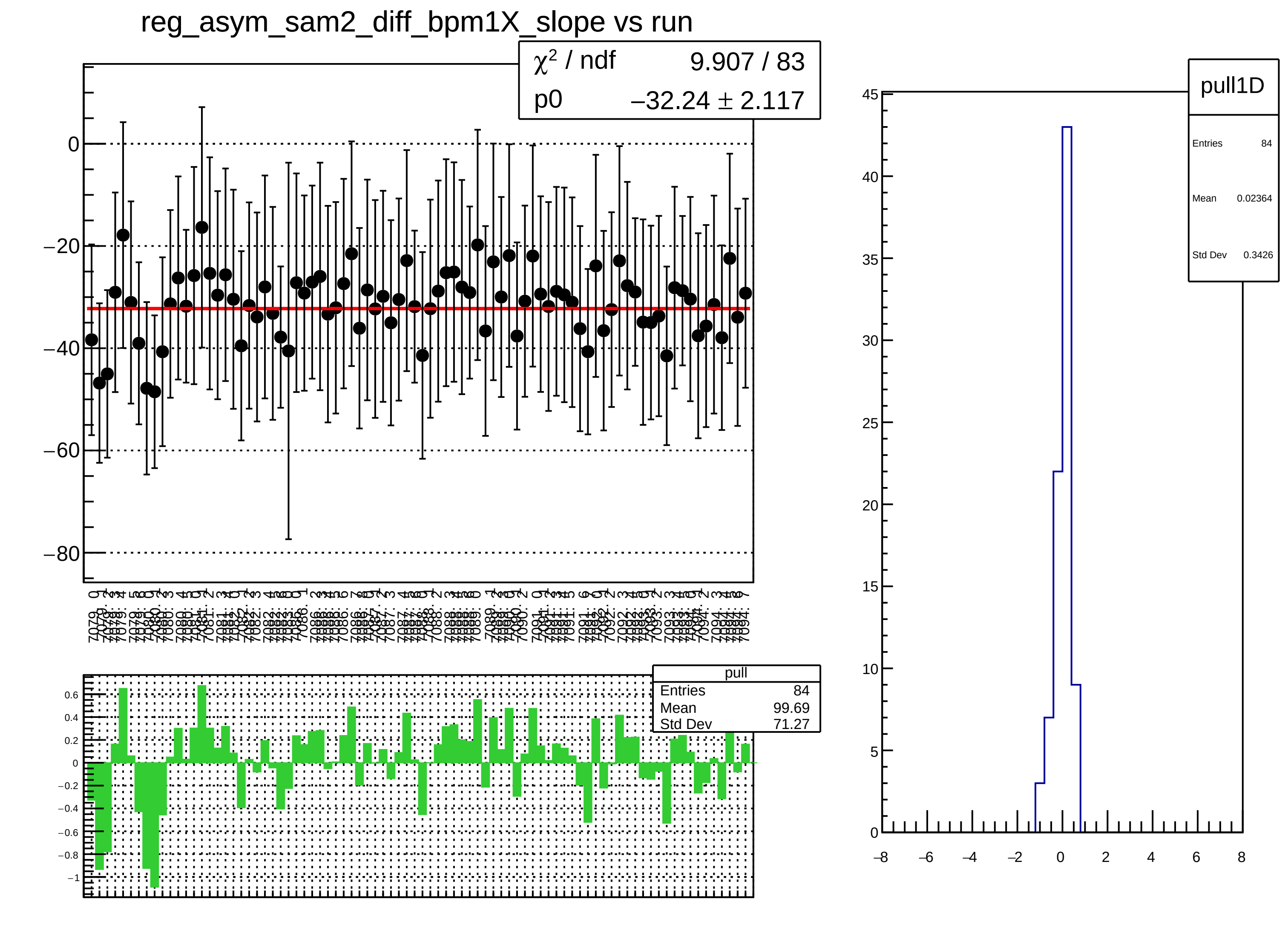


reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 56.28 / 83
p0 −8.995 ± 0.3113
pull
Entries 84
Mean 168.3
Std Dev 137.5
pull1D
Entries 84
Mean −0.05773
Std Dev 0.8165

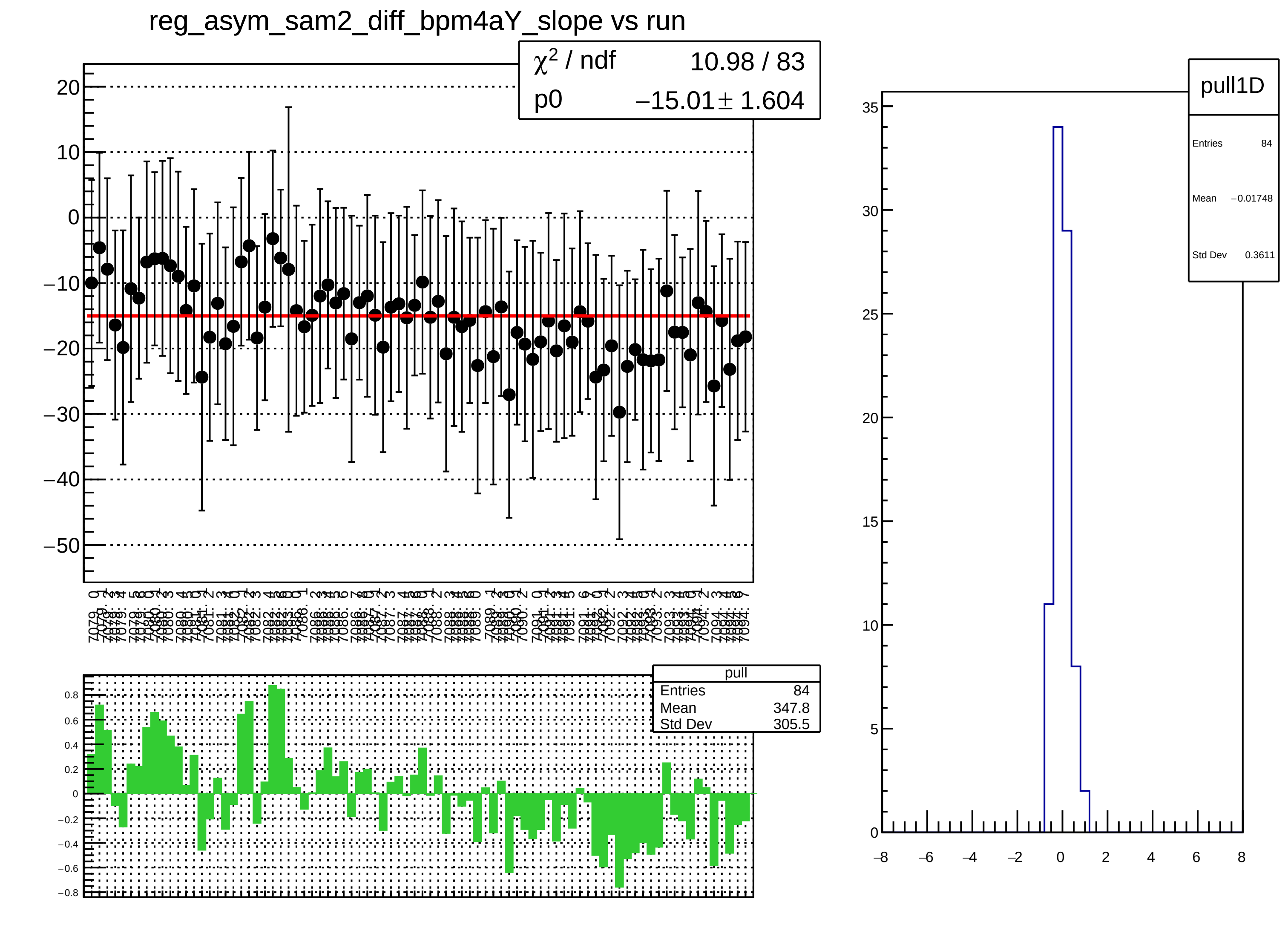

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 26.81 / 83
p0 9.222 ± 0.259
pull
Entries 84
Mean 2270
Std Dev 2229
pull1D
Entries 84
Mean 0.002142
Std Dev 0.5649

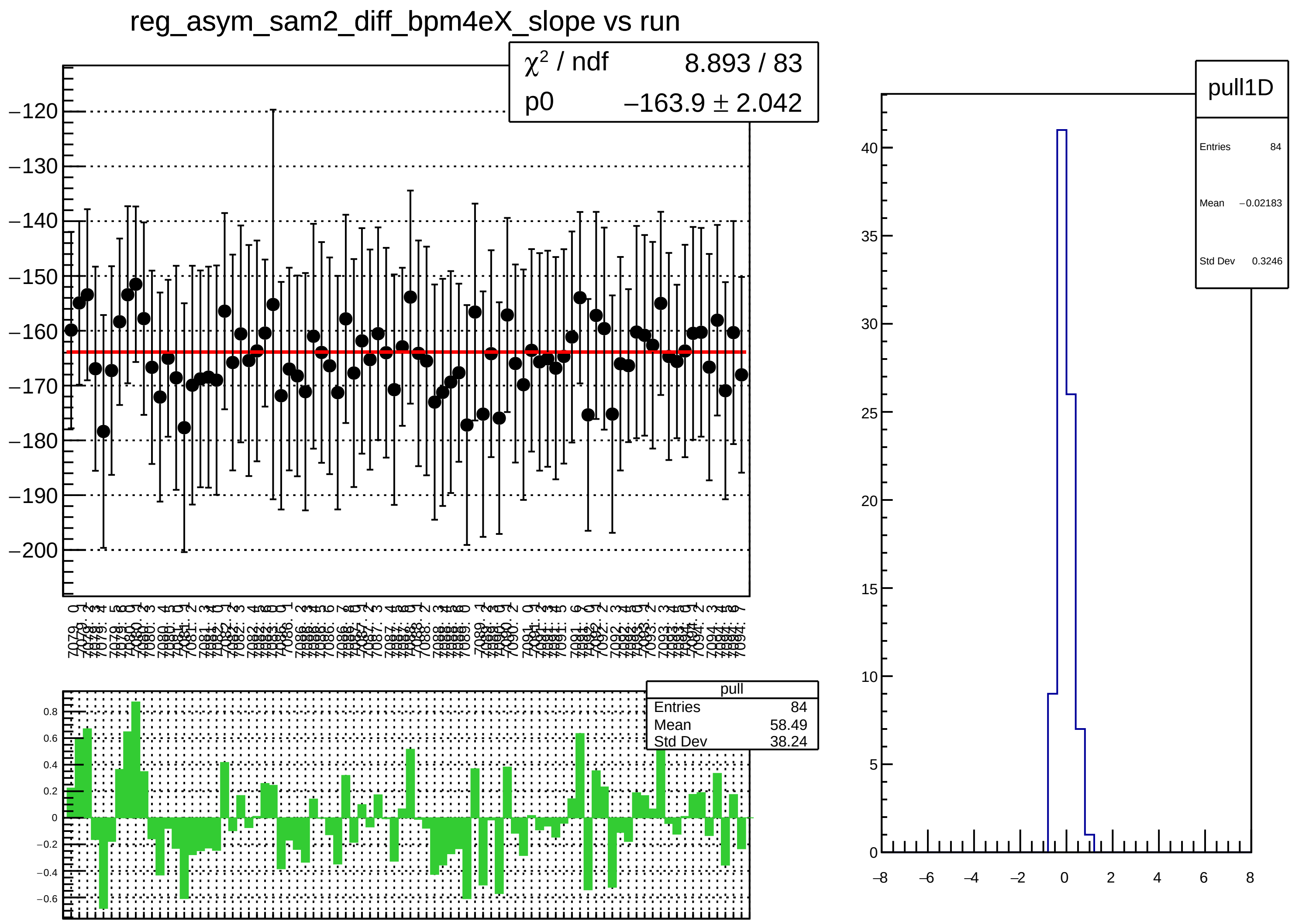


reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 18.24 / 83
p0 0.4428 ± 0.01232
pull
Entries 84
Mean 305.6
Std Dev 265.9
pull1D
Entries 84
Mean 0.006049
Std Dev 0.466

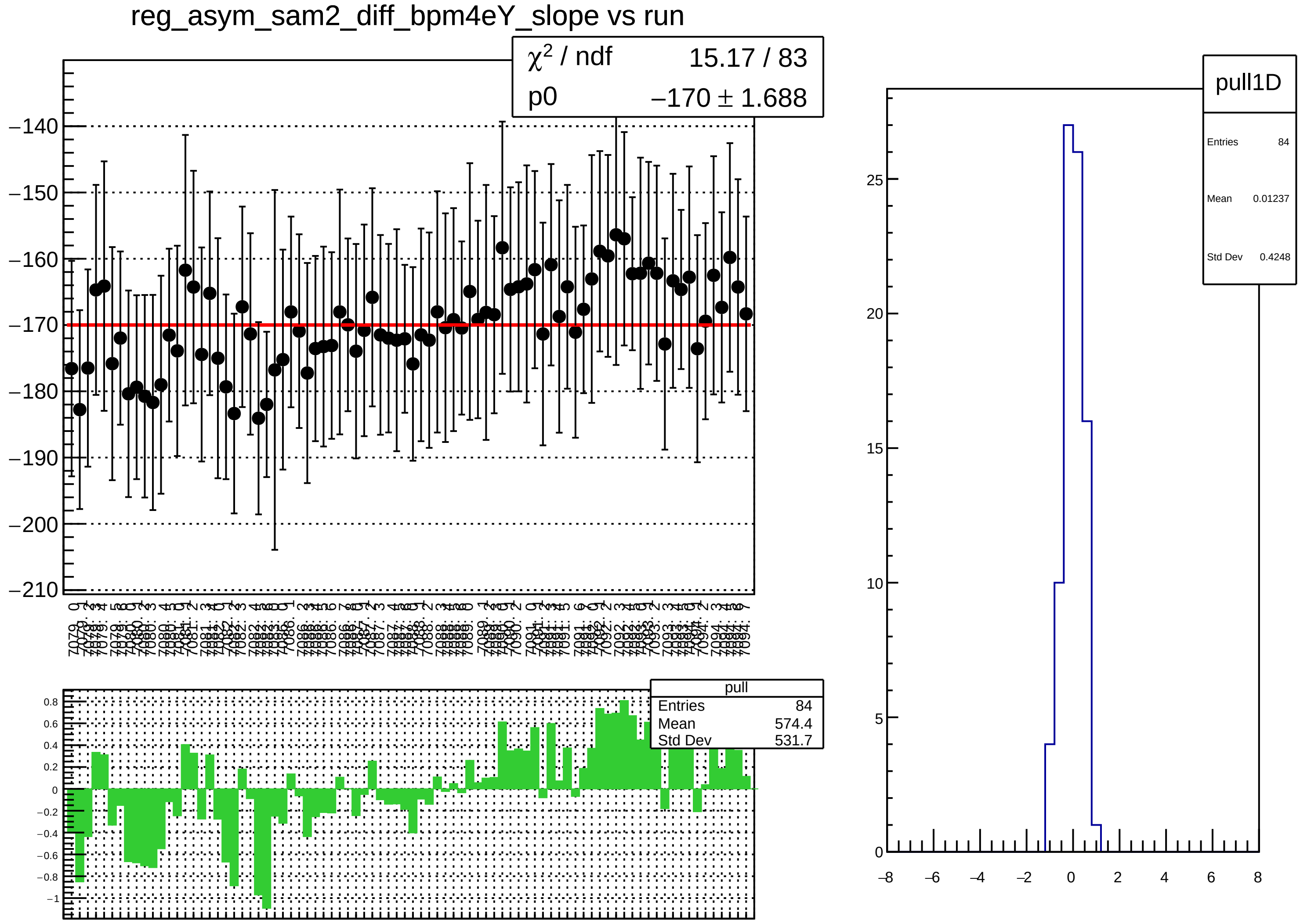


reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 9.907 / 83
p0 −32.24 ± 2.117
pull
Entries 84
Mean 99.69
Std Dev 71.27
pull1D
Entries 84
Mean 0.02364
Std Dev 0.3426

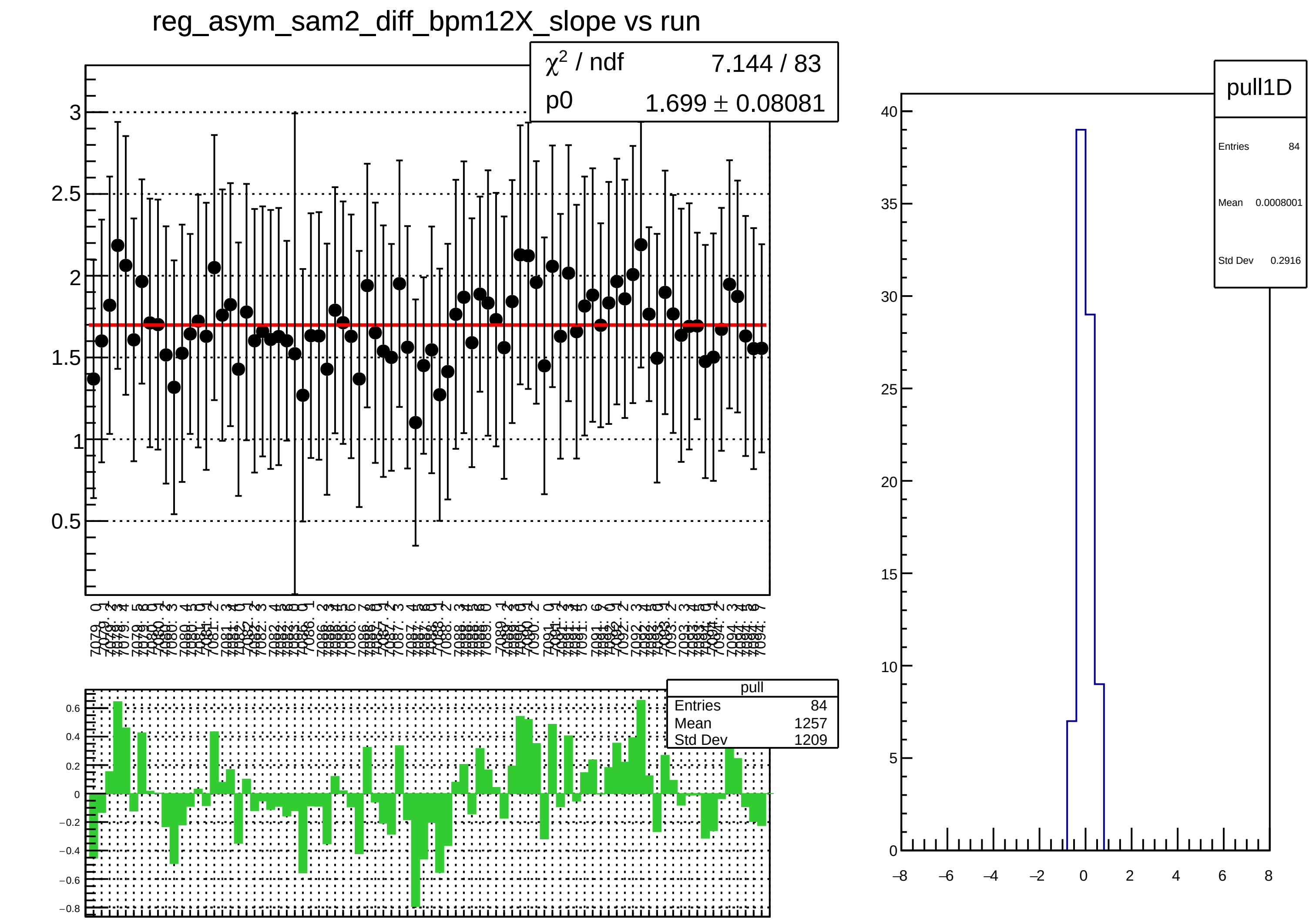

reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 10.98 / 83
p0 −15.01 ± 1.604
pull
Entries 84
Mean 347.8
Std Dev 305.5
pull1D
Entries 84
Mean −0.01748
Std Dev 0.3611



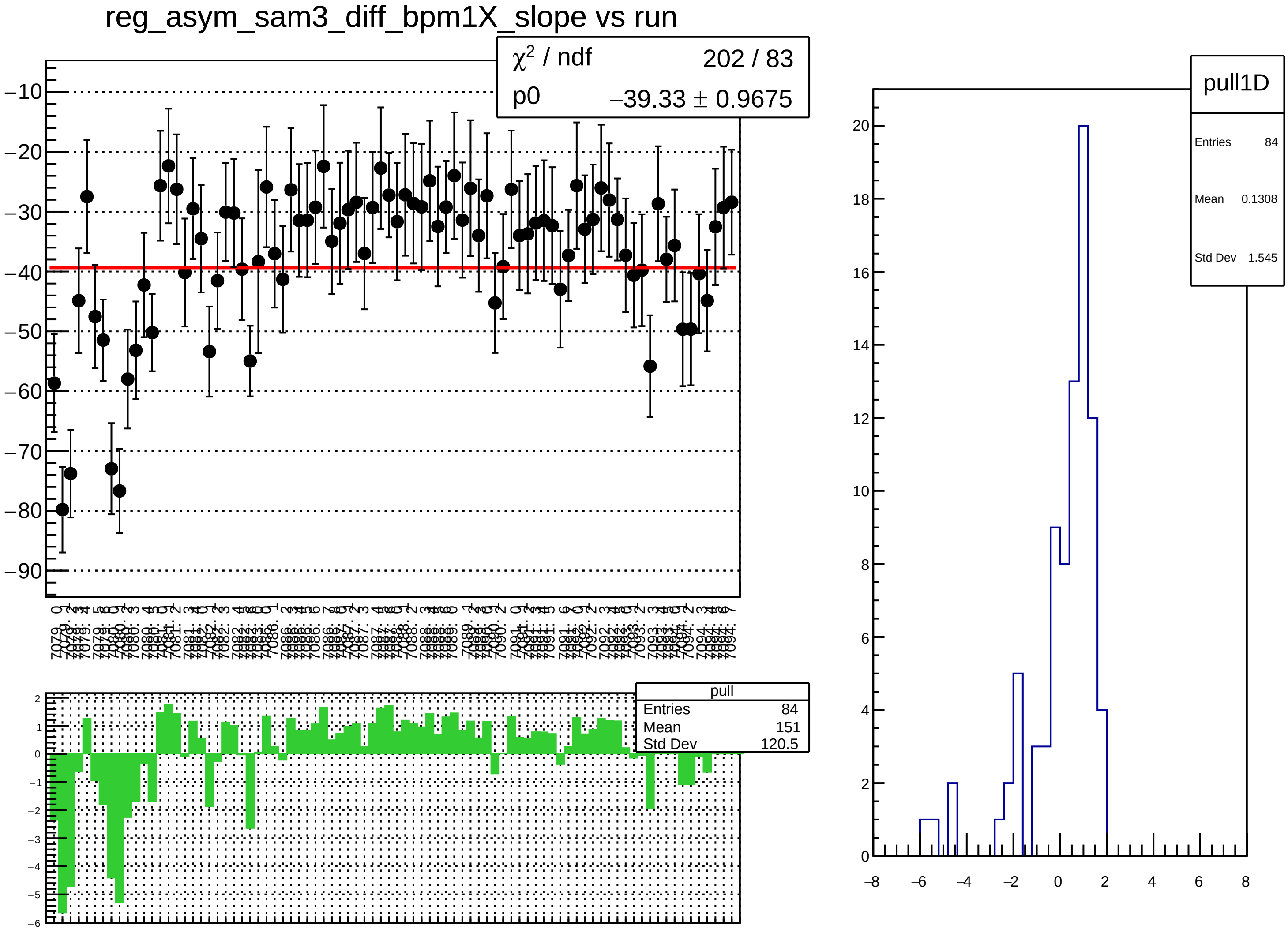
reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.893 / 83
p0 −163.9 ± 2.042
pull
Entries 84
Mean 58.49
Std Dev 38.24
pull1D
Entries 84
Mean −0.02183
Std Dev 0.3246



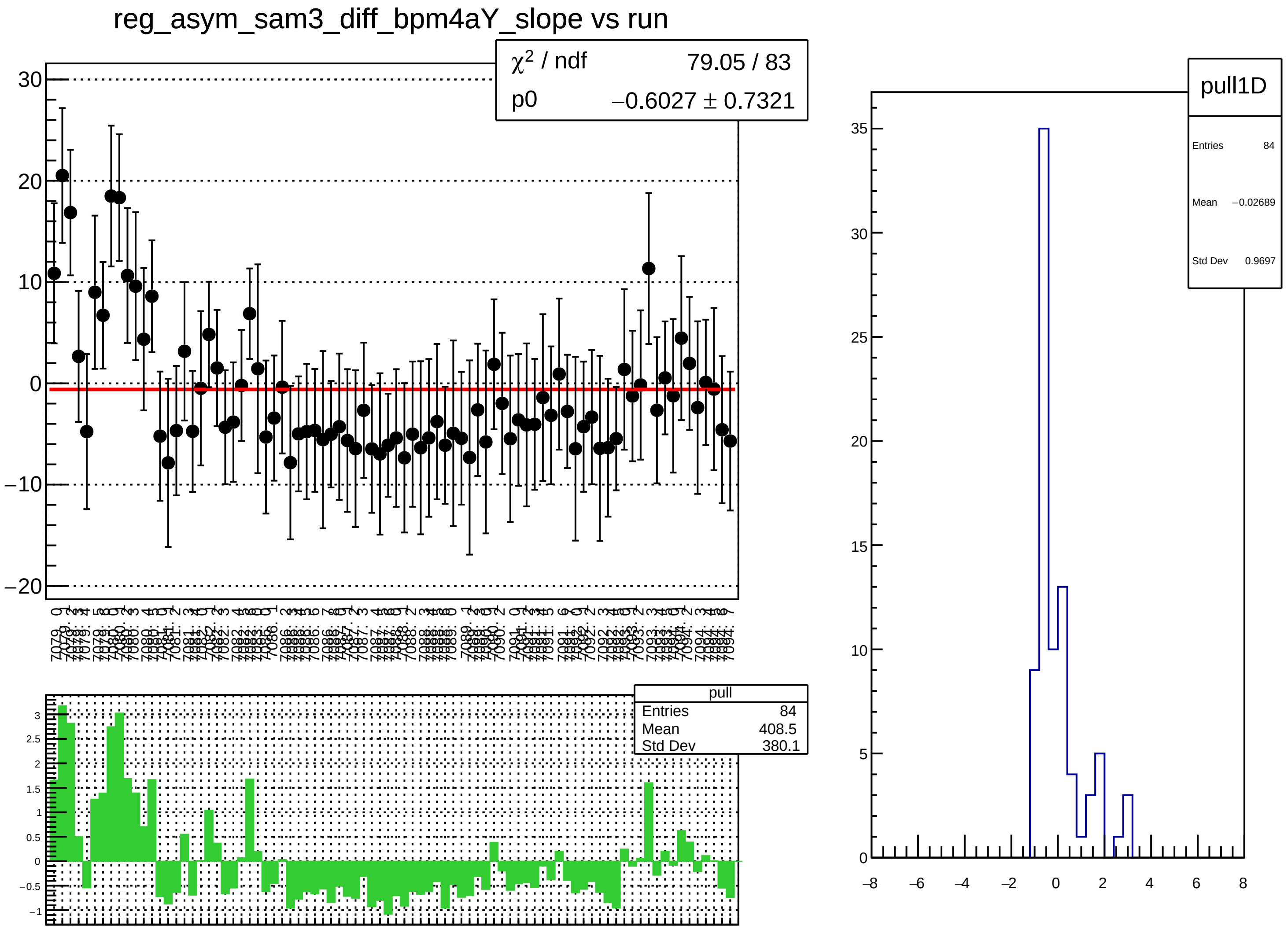
reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 15.17 / 83
p0 −170 ± 1.688
pull
Entries 84
Mean 574.4
Std Dev 531.7
pull1D
Entries 84
Mean 0.01237
Std Dev 0.4248



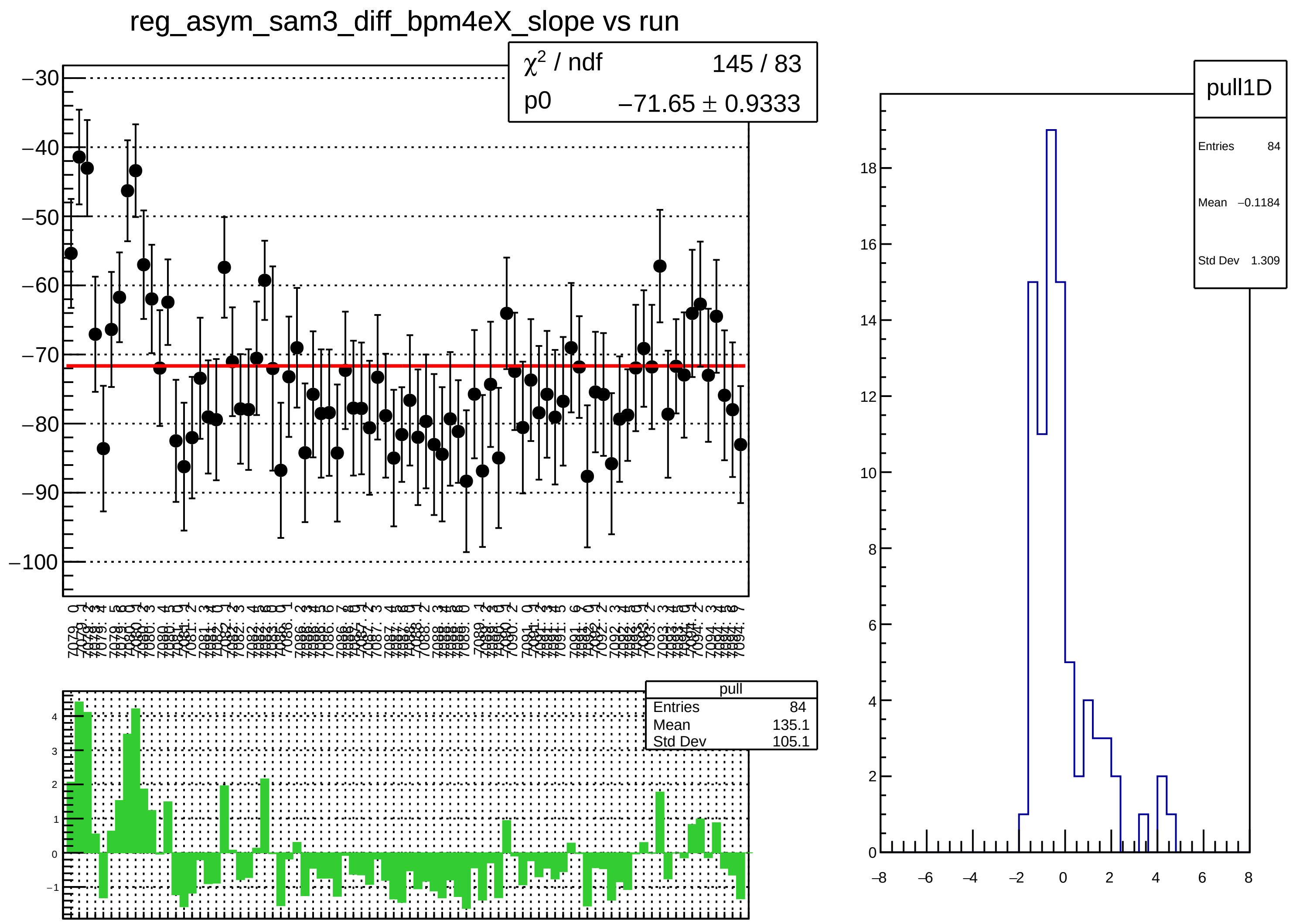
reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 7.144 / 83
p0 1.699 ± 0.08081
pull
Entries 84
Mean 1257
Std Dev 1209
pull1D
Entries 84
Mean 0.0008001
Std Dev 0.2916



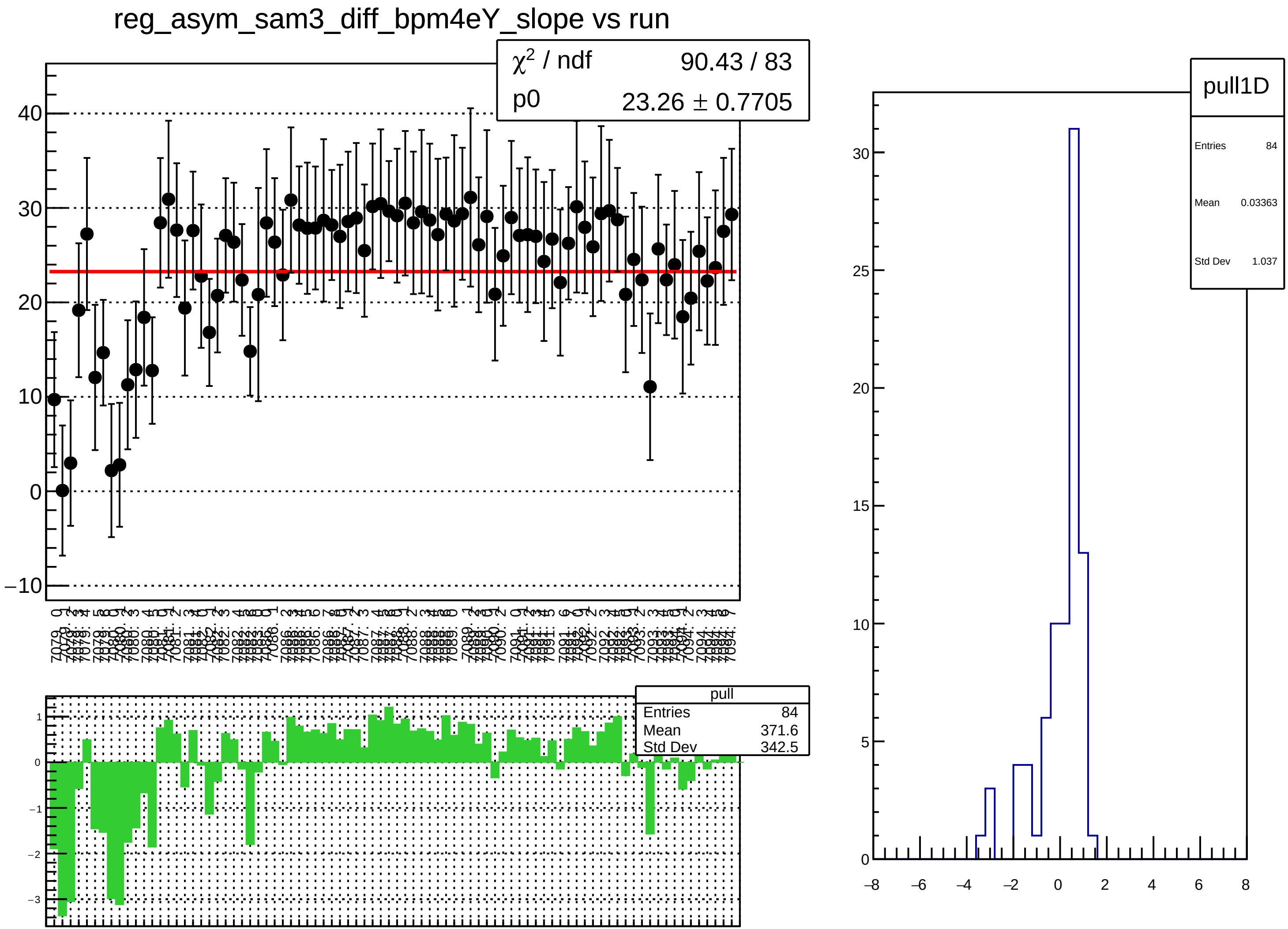
reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 202 / 83
p0 −39.33 ± 0.9675
pull1D
Entries 84
Mean 0.1308
Std Dev 1.545
pull
Entries 84
Mean 151
Std Dev 120.5



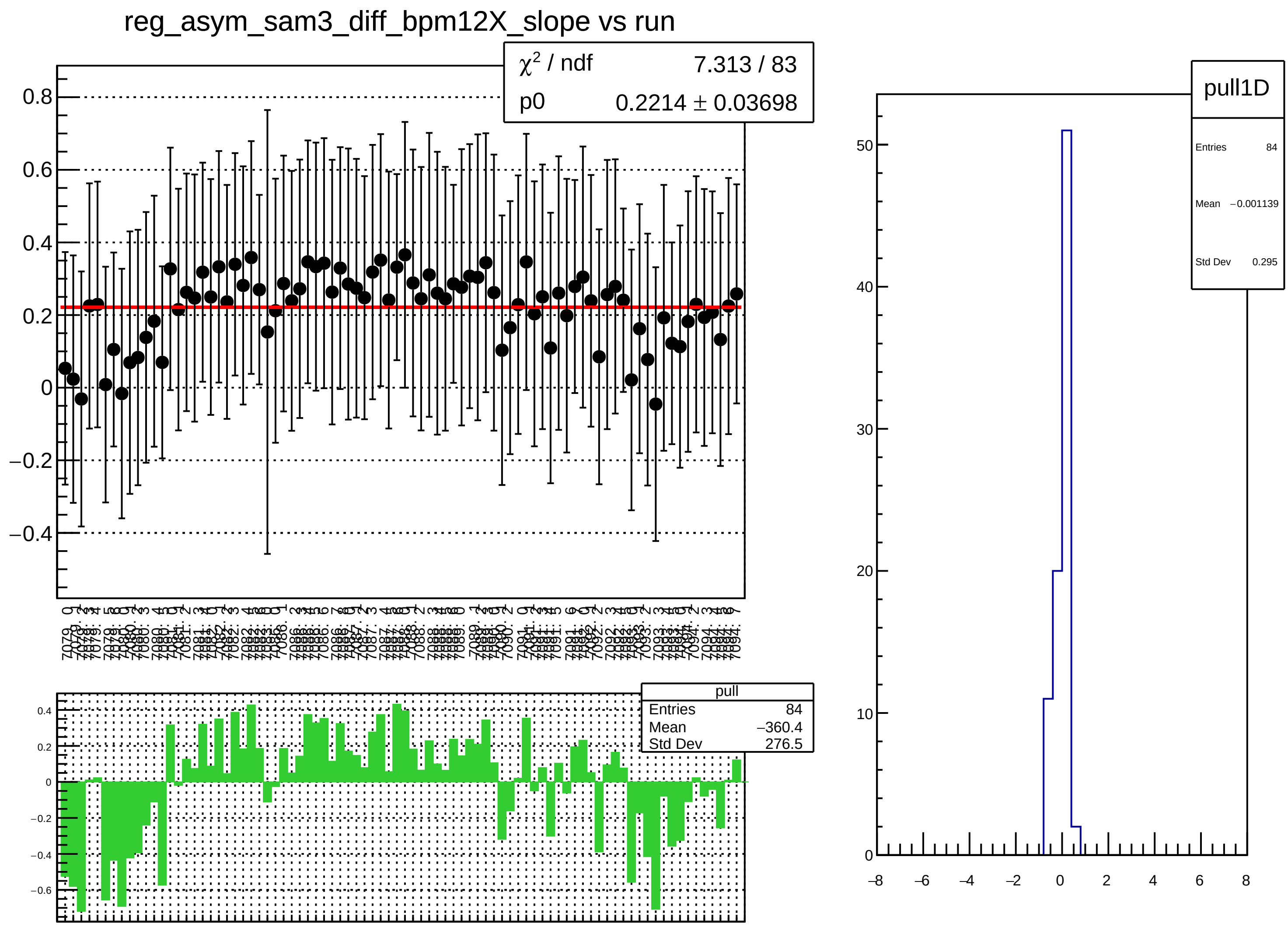
reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 79.05 / 83
p0 −0.6027 ± 0.7321
pull
Entries 84
Mean 408.5
Std Dev 380.1
pull1D
Entries 84
Mean −0.02689
Std Dev 0.9697



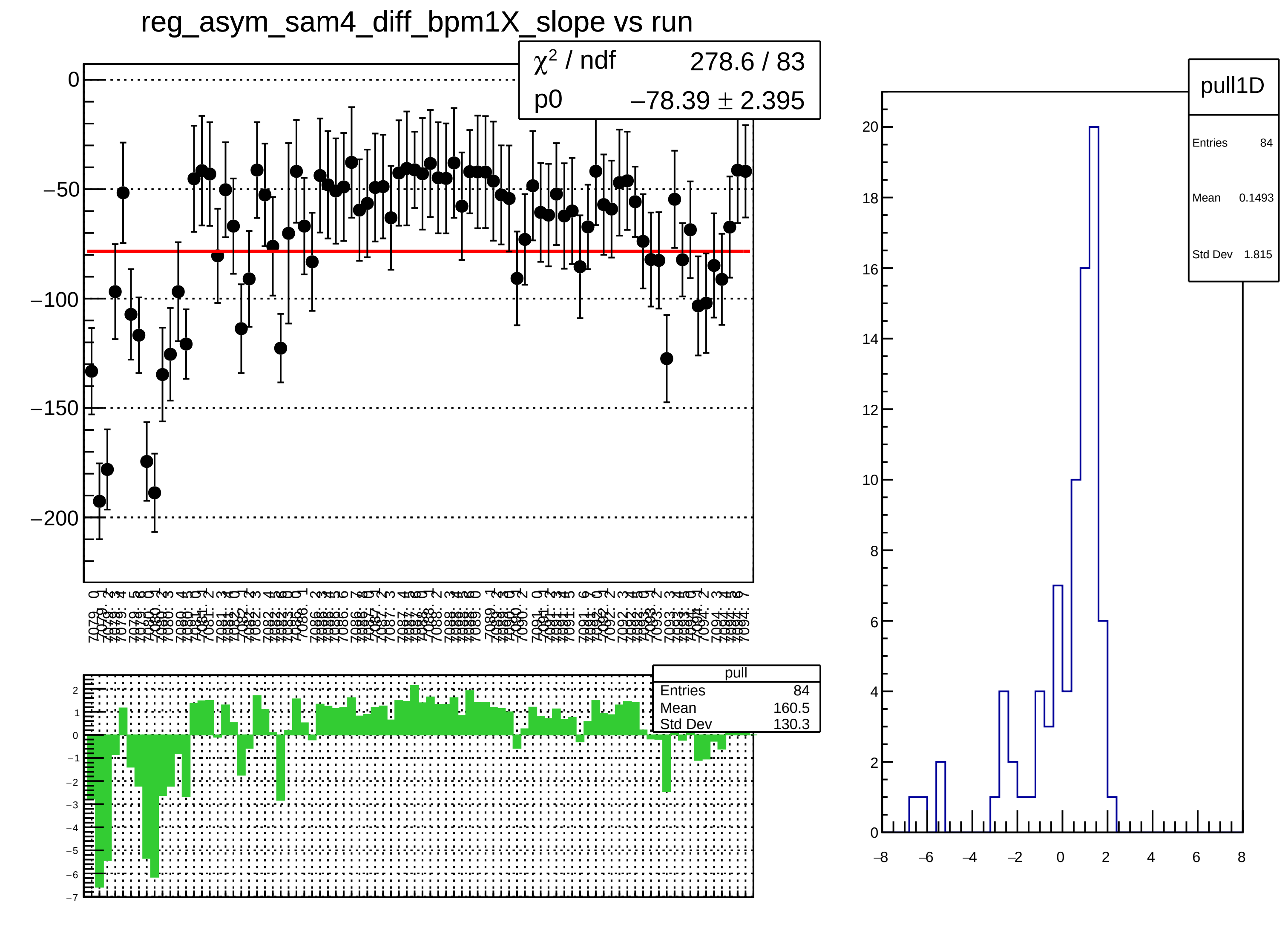
reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 145 / 83
p0 −71.65 ± 0.9333
pull
Entries 84
Mean 135.1
Std Dev 105.1
pull1D
Entries 84
Mean −0.1184
Std Dev 1.309

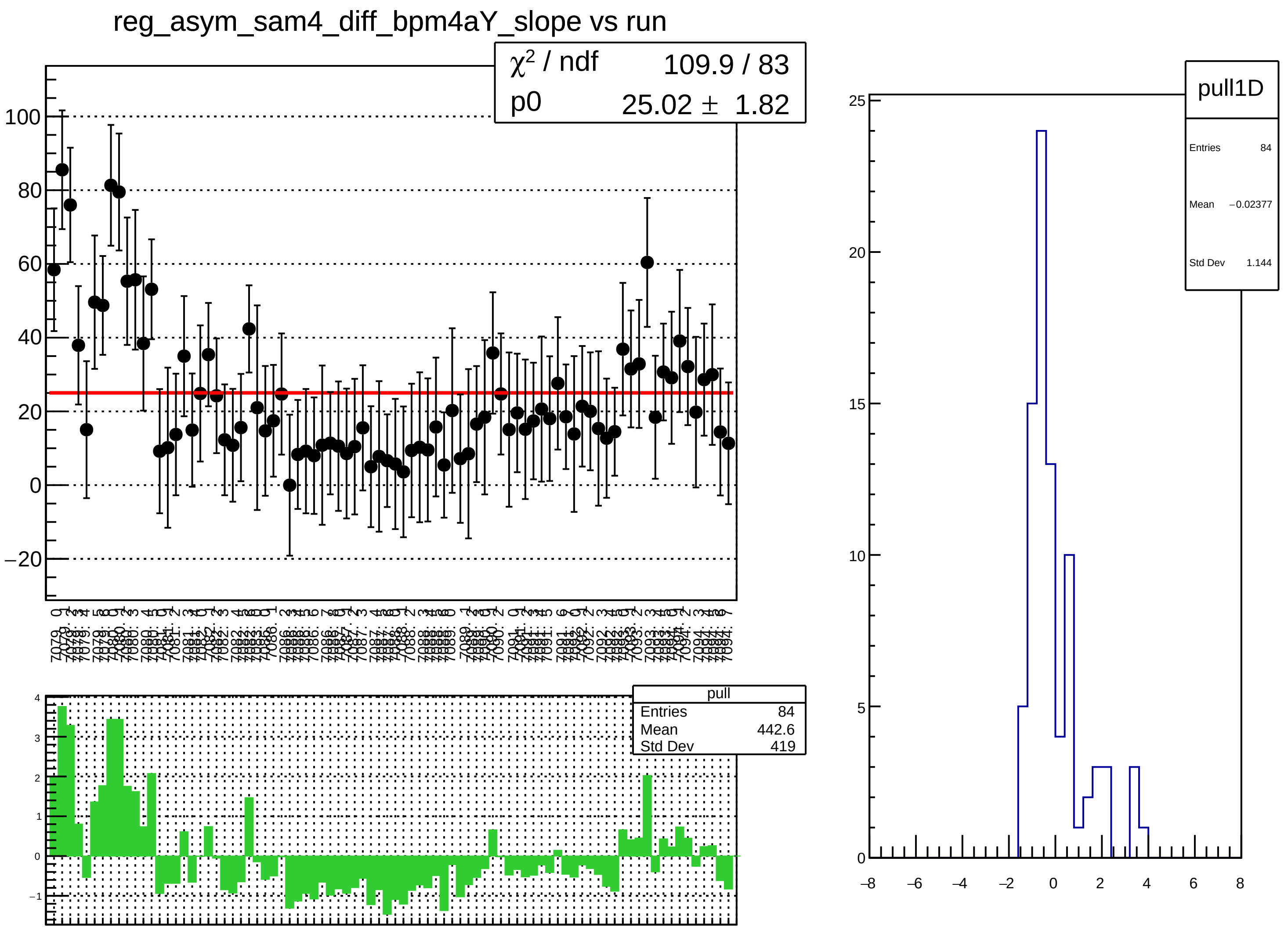


reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 90.43 / 83
p0 23.26 ± 0.7705
pull
Entries 84
Mean 371.6
Std Dev 342.5
pull1D
Entries 84
Mean 0.03363
Std Dev 1.037

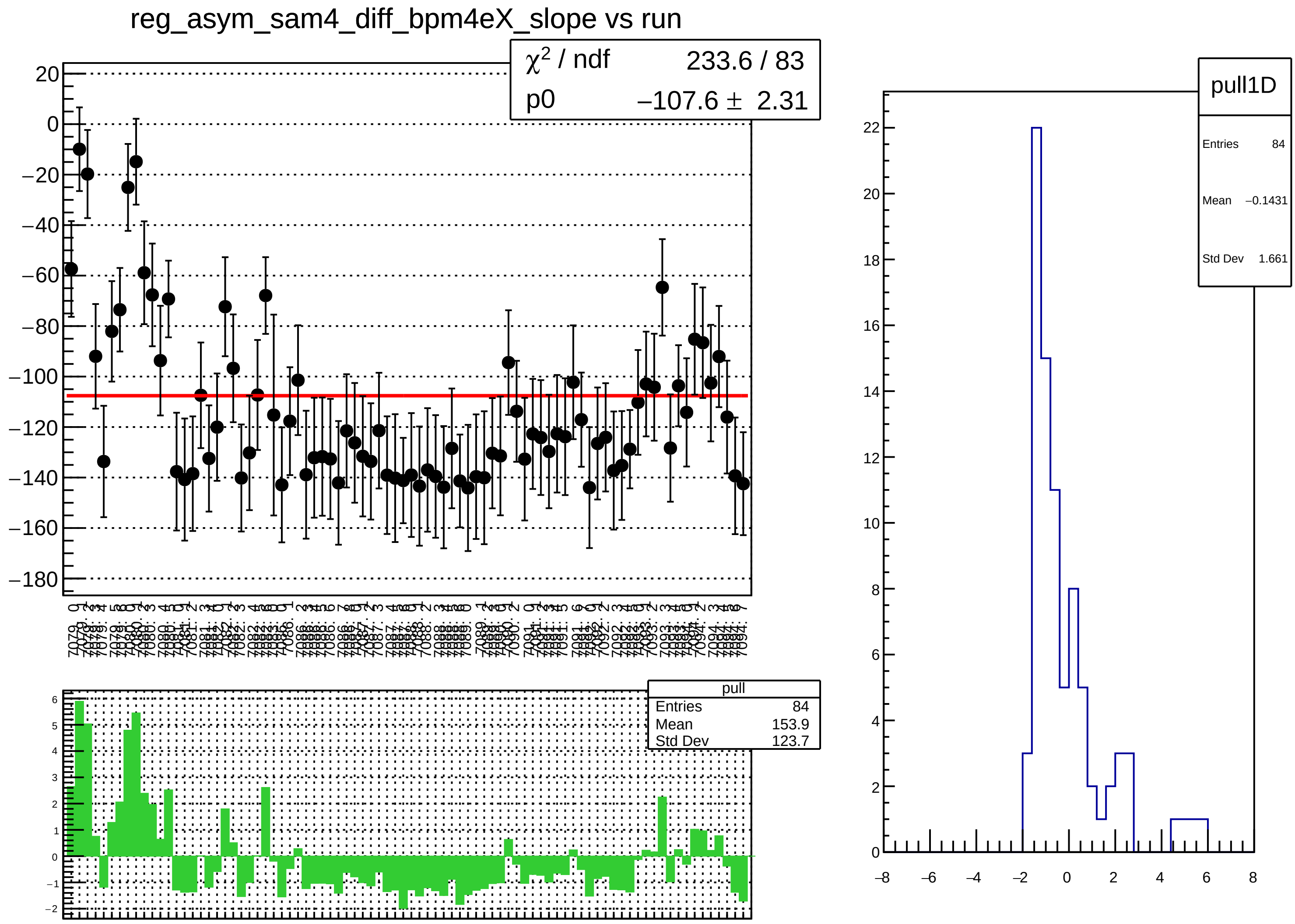


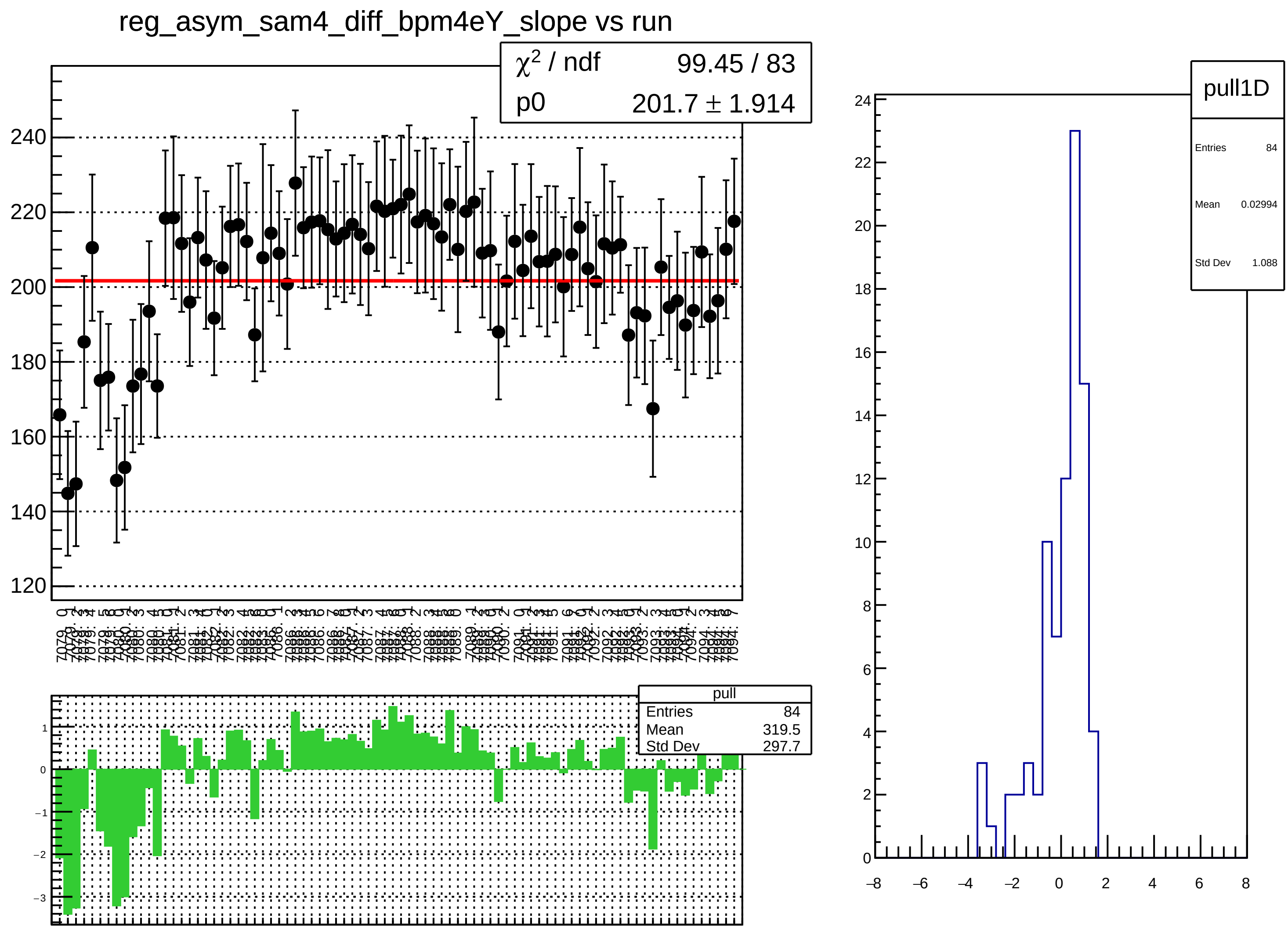
reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 7.313 / 83
p0 0.2214 ± 0.03698
pull
Entries 84
Mean −360.4
Std Dev 276.5
pull1D
Entries 84
Mean −0.001139
Std Dev 0.295


reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 278.6 / 83
p0 −78.39 ± 2.395
pull
Entries 84
Mean 160.5
Std Dev 130.3
pull1D
Entries 84
Mean 0.1493
Std Dev 1.815

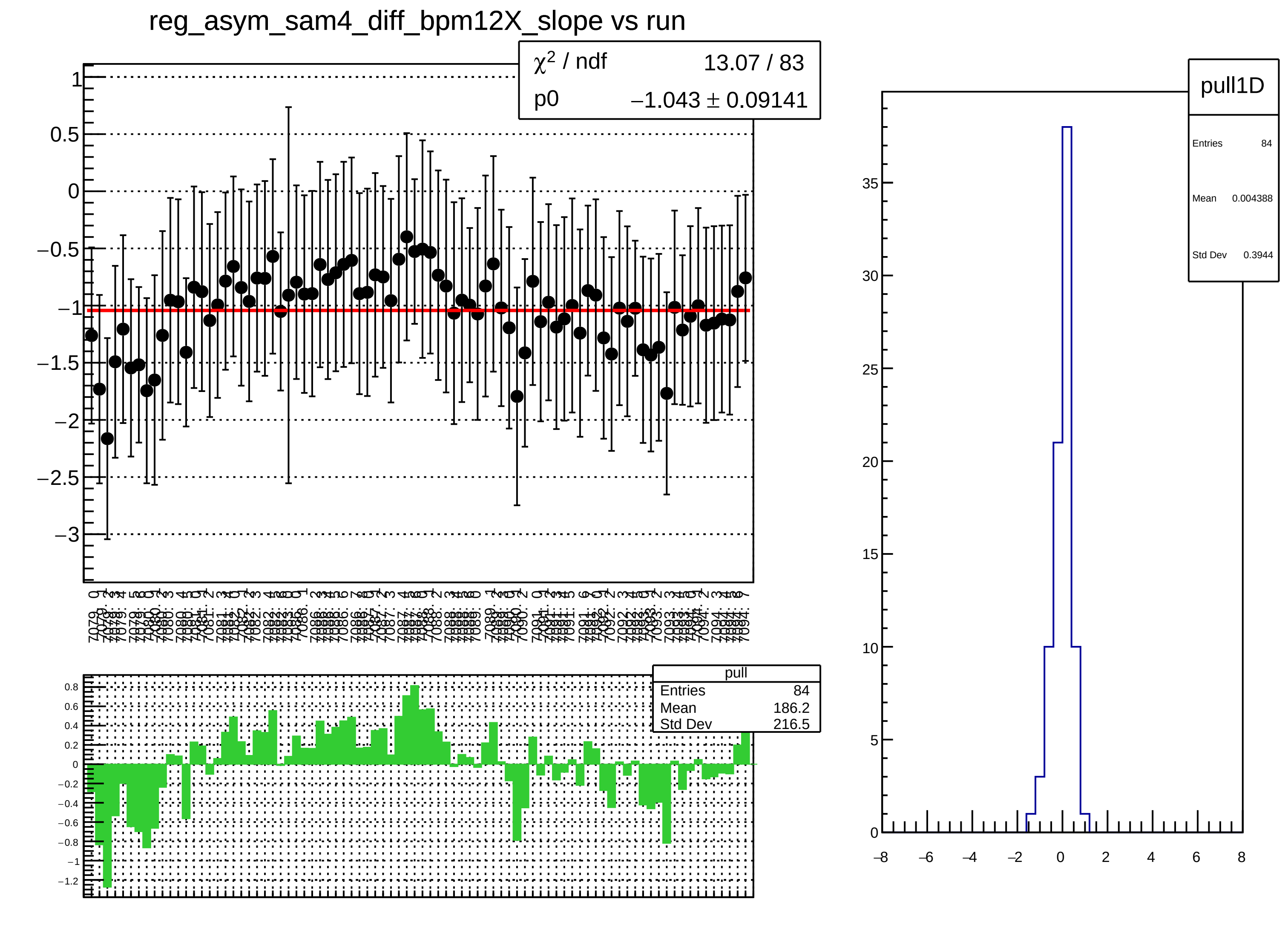


reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 109.9 / 83
p0 25.02 ± 1.82
pull
Entries 84
Mean 442.6
Std Dev 419
pull1D
Entries 84
Mean −0.02377
Std Dev 1.144

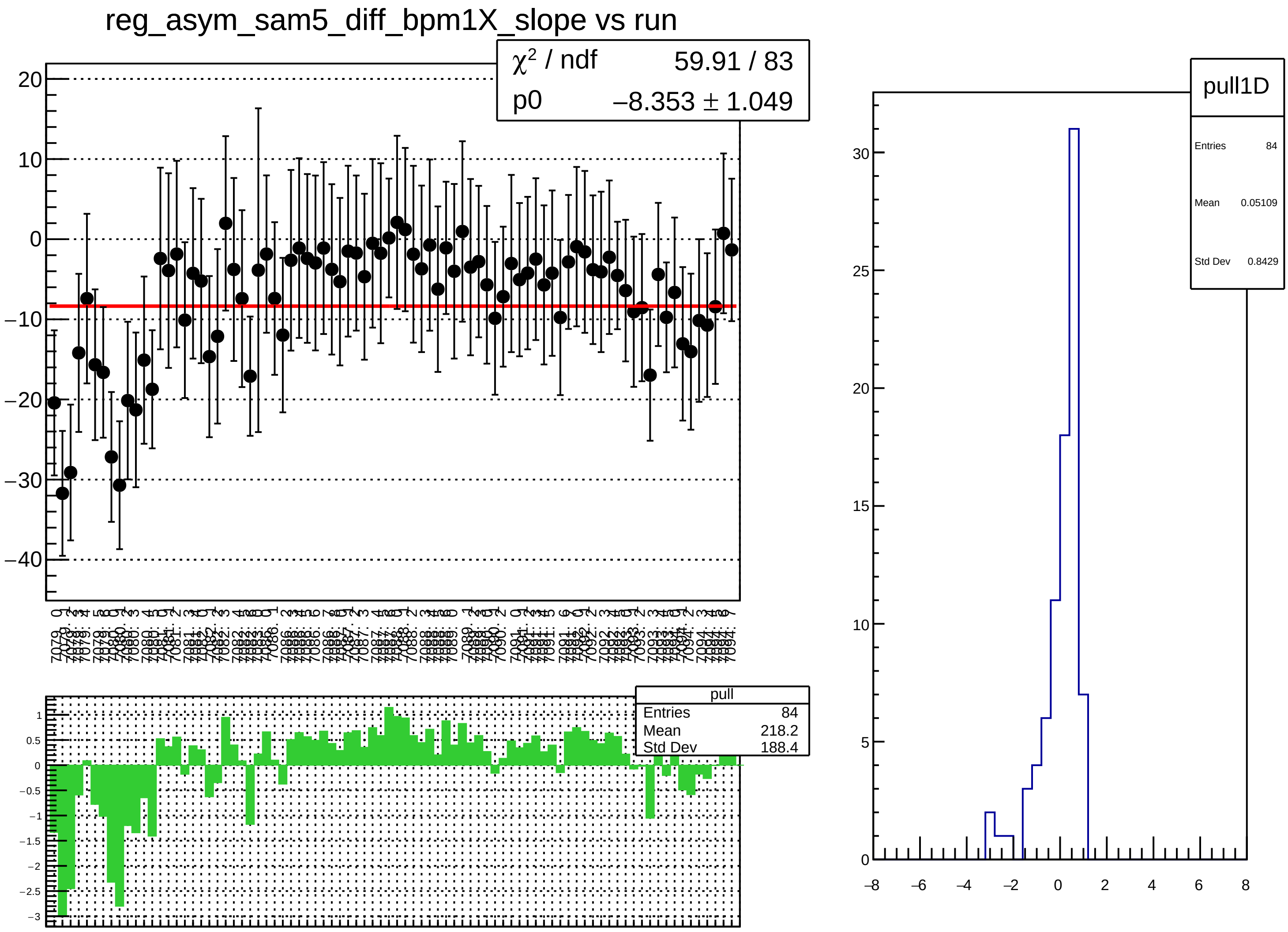

reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 233.6 / 83
p0 −107.6 ± 2.31
pull
Entries 84
Mean 153.9
Std Dev 123.7
pull1D
Entries 84
Mean −0.1431
Std Dev 1.661



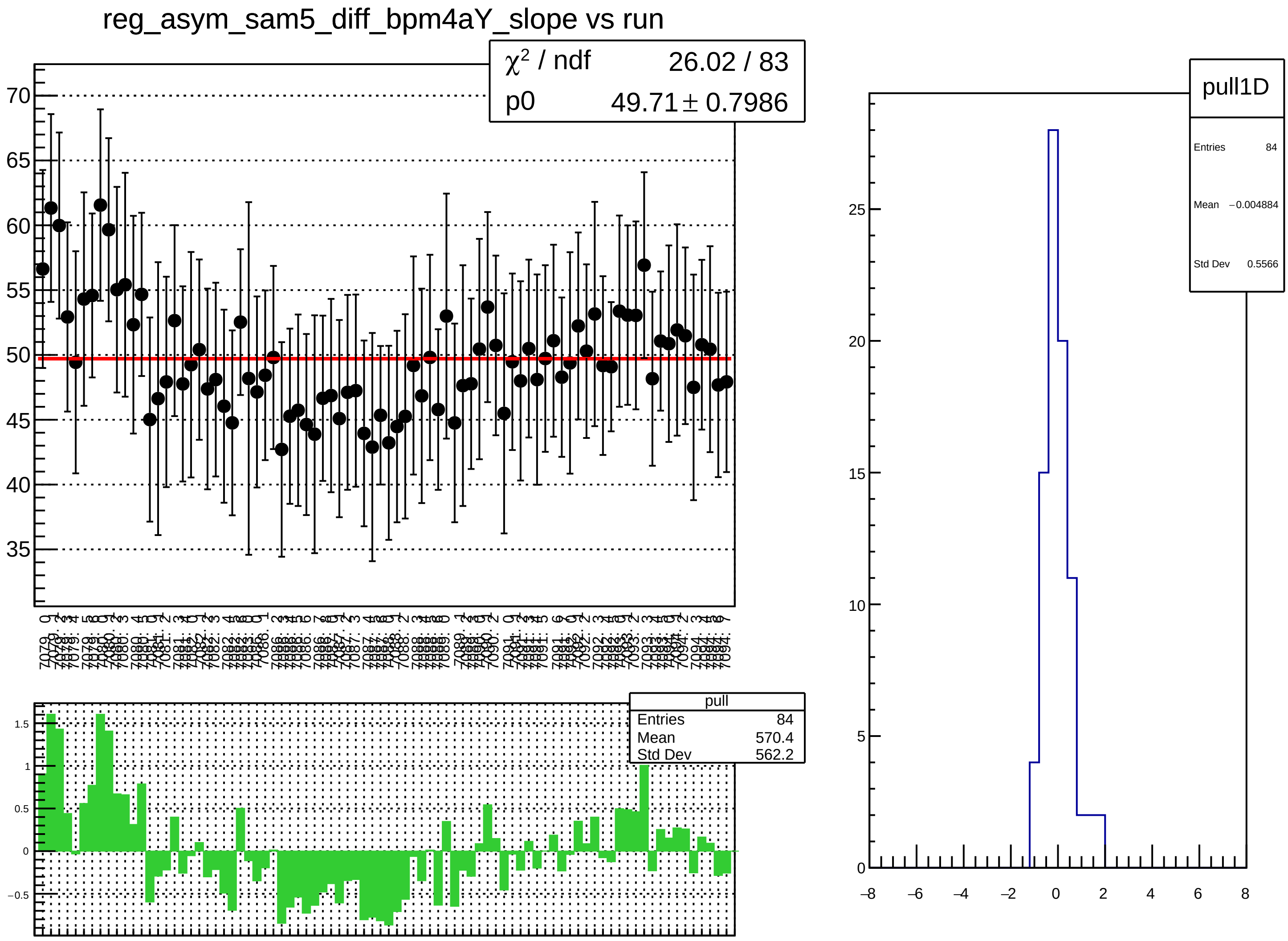
reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 99.45 / 83
p0 201.7 ± 1.914
pull
Entries 84
Mean 319.5
Std Dev 297.7
pull1D
Entries 84
Mean 0.02994
Std Dev 1.088



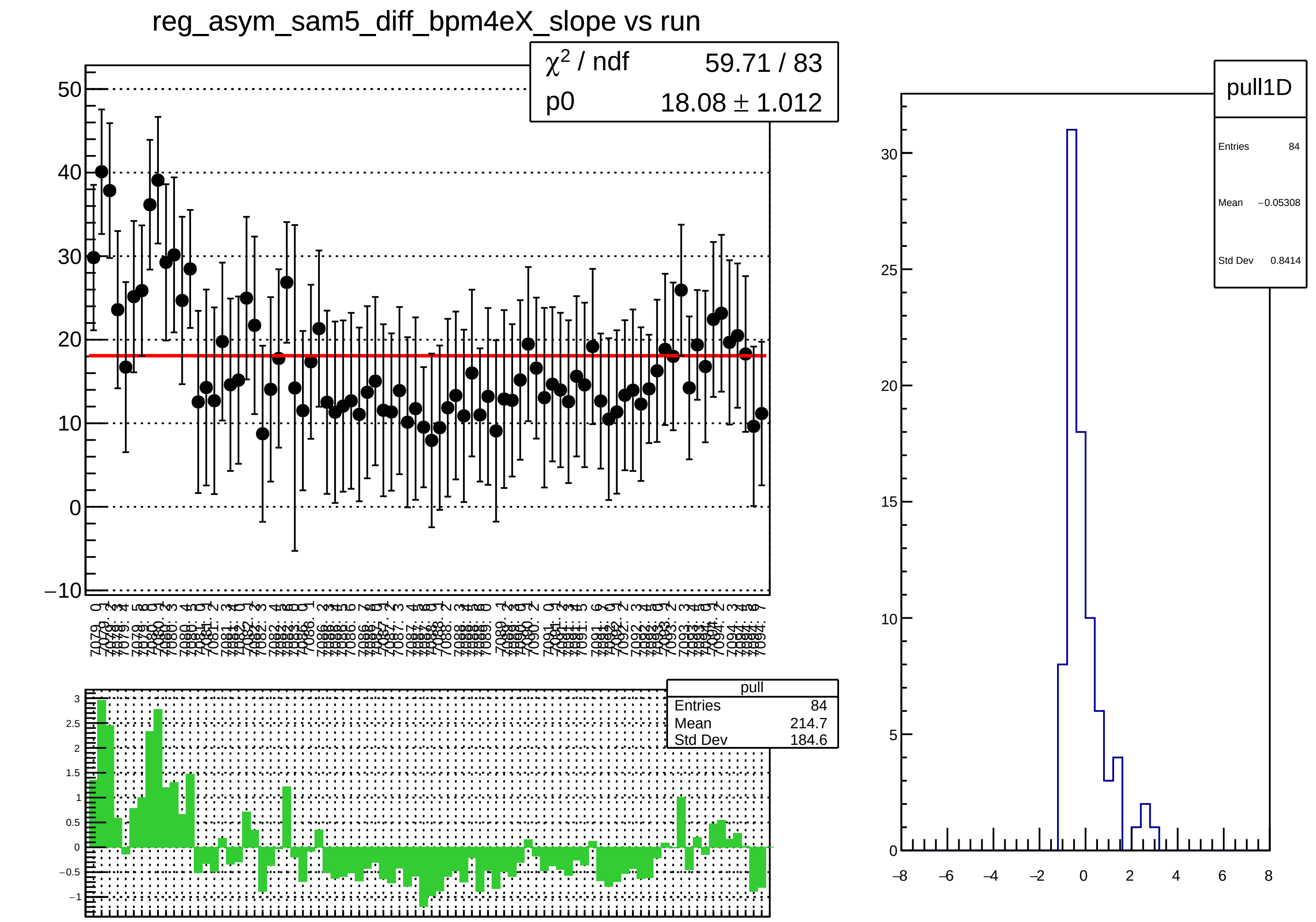
reg_asym_sam4_diff_bpm12X_slope vs run
χ2 / ndf 13.07 / 83
p0 −1.043 ± 0.09141
pull
Entries 84
Mean 186.2
Std Dev 216.5
pull1D
Entries 84
Mean 0.004388
Std Dev 0.3944

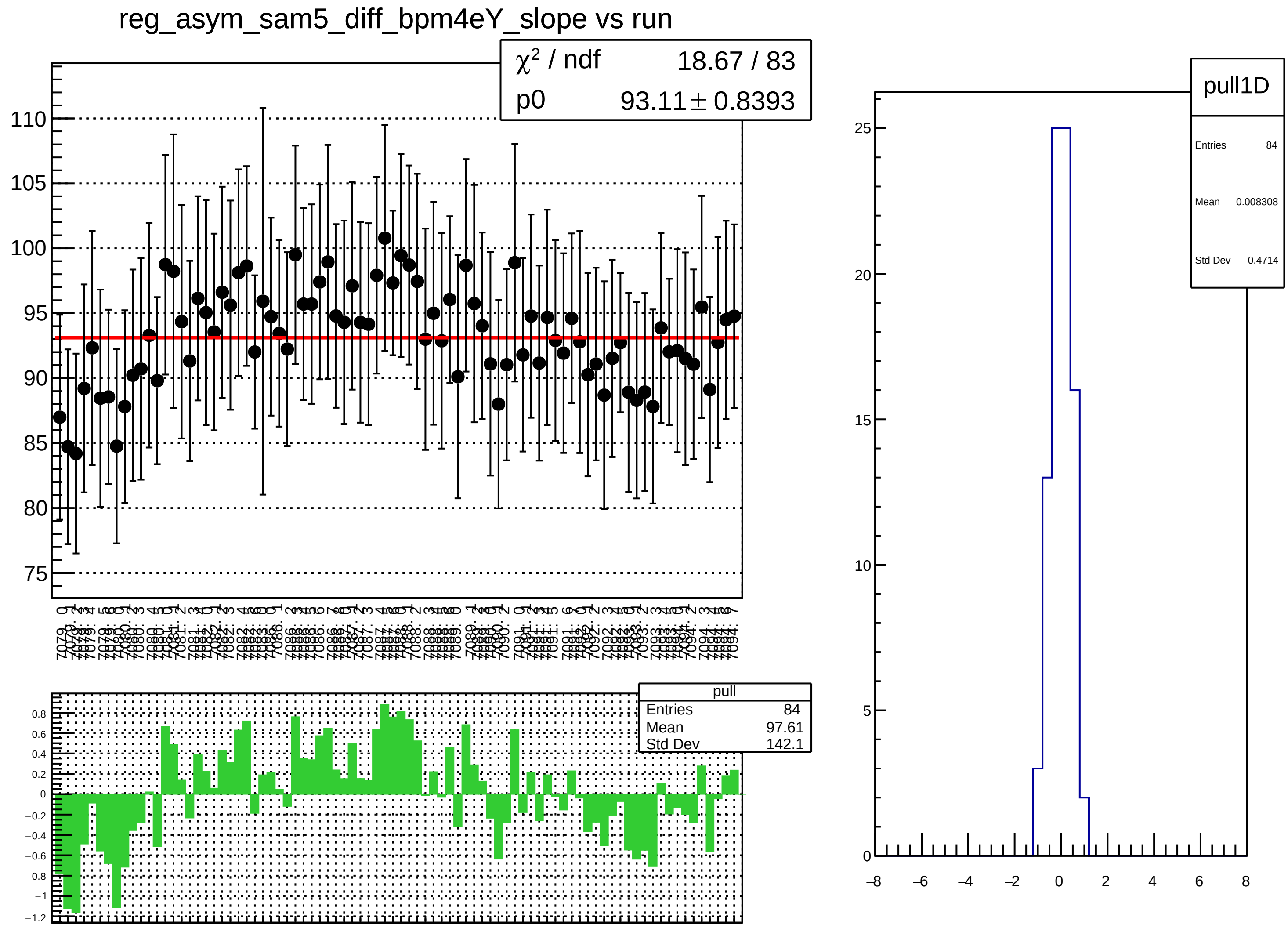


reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 59.91 / 83
p0 −8.353 ± 1.049
pull
Entries 84
Mean 218.2
Std Dev 188.4
pull1D
Entries 84
Mean 0.05109
Std Dev 0.8429

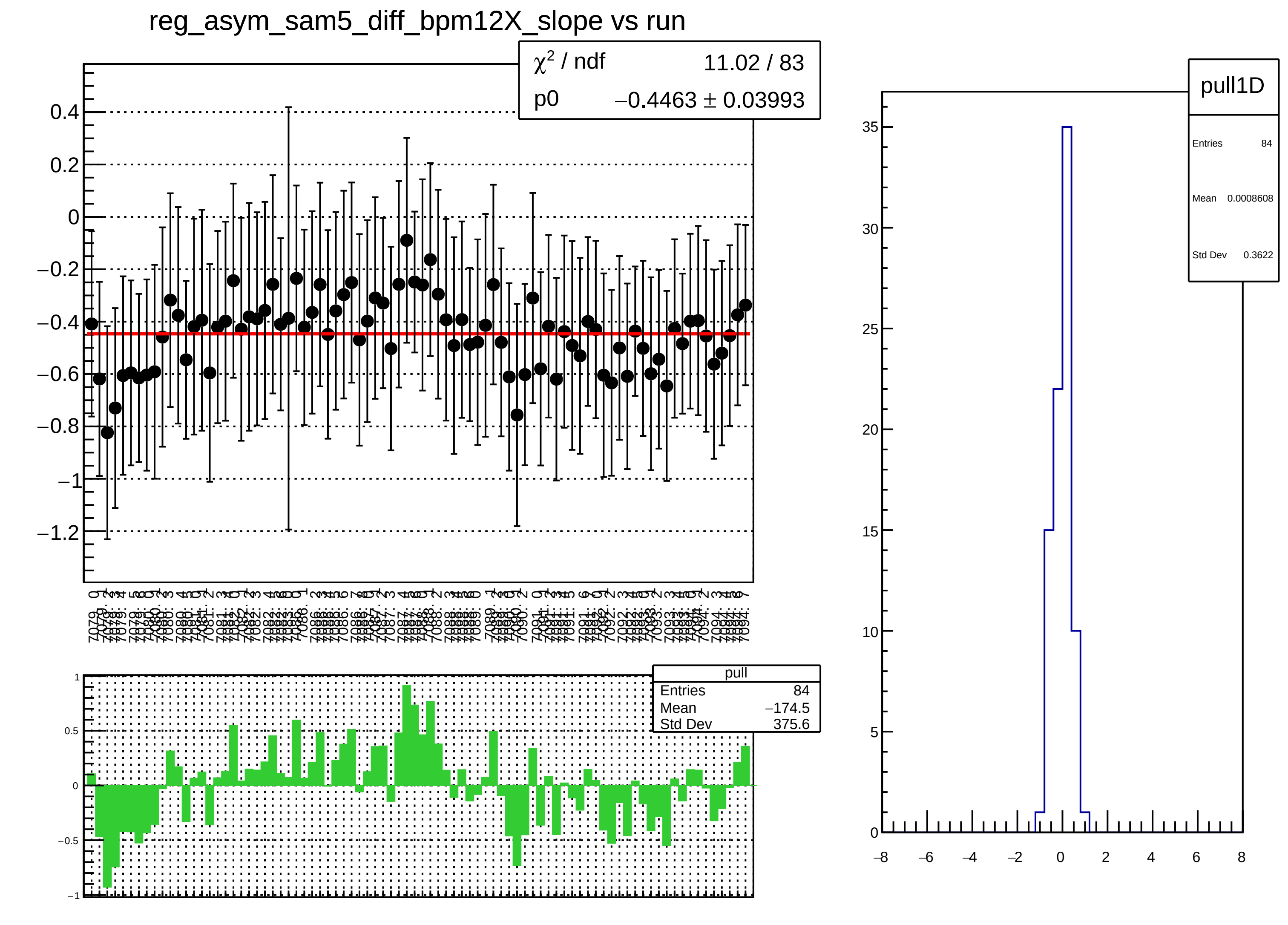


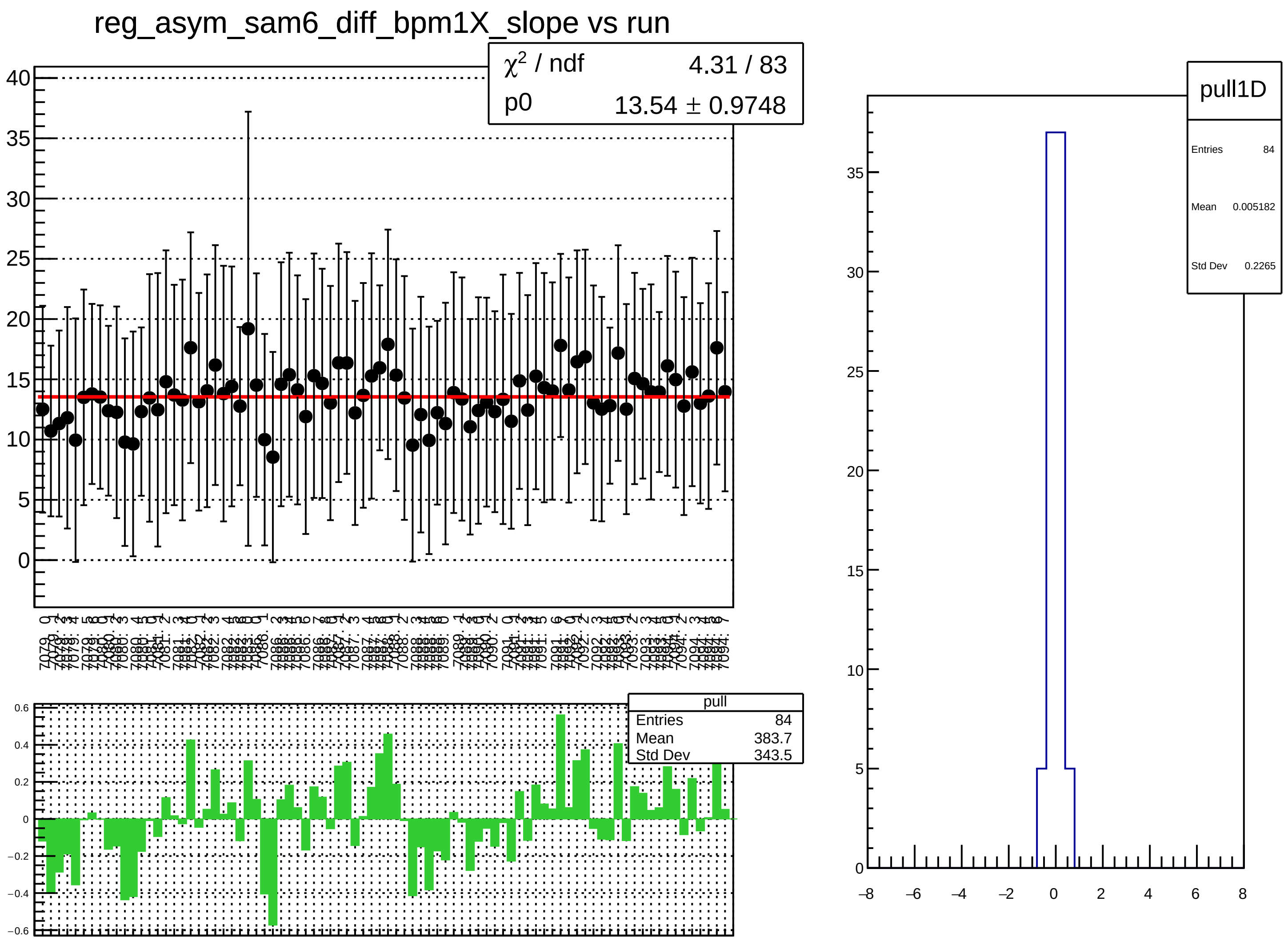
reg_asym_sam5_diff_bpm4aY_slope vs run
χ2 / ndf 26.02 / 83
p0 49.71 ± 0.7986
pull
Entries 84
Mean 570.4
Std Dev 562.2
pull1D
Entries 84
Mean −0.004884
Std Dev 0.5566


reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 59.71 / 83
p0 18.08 ± 1.012
pull
Entries 84
Mean 214.7
Std Dev 184.6
pull1D
Entries 84
Mean −0.05308
Std Dev 0.8414

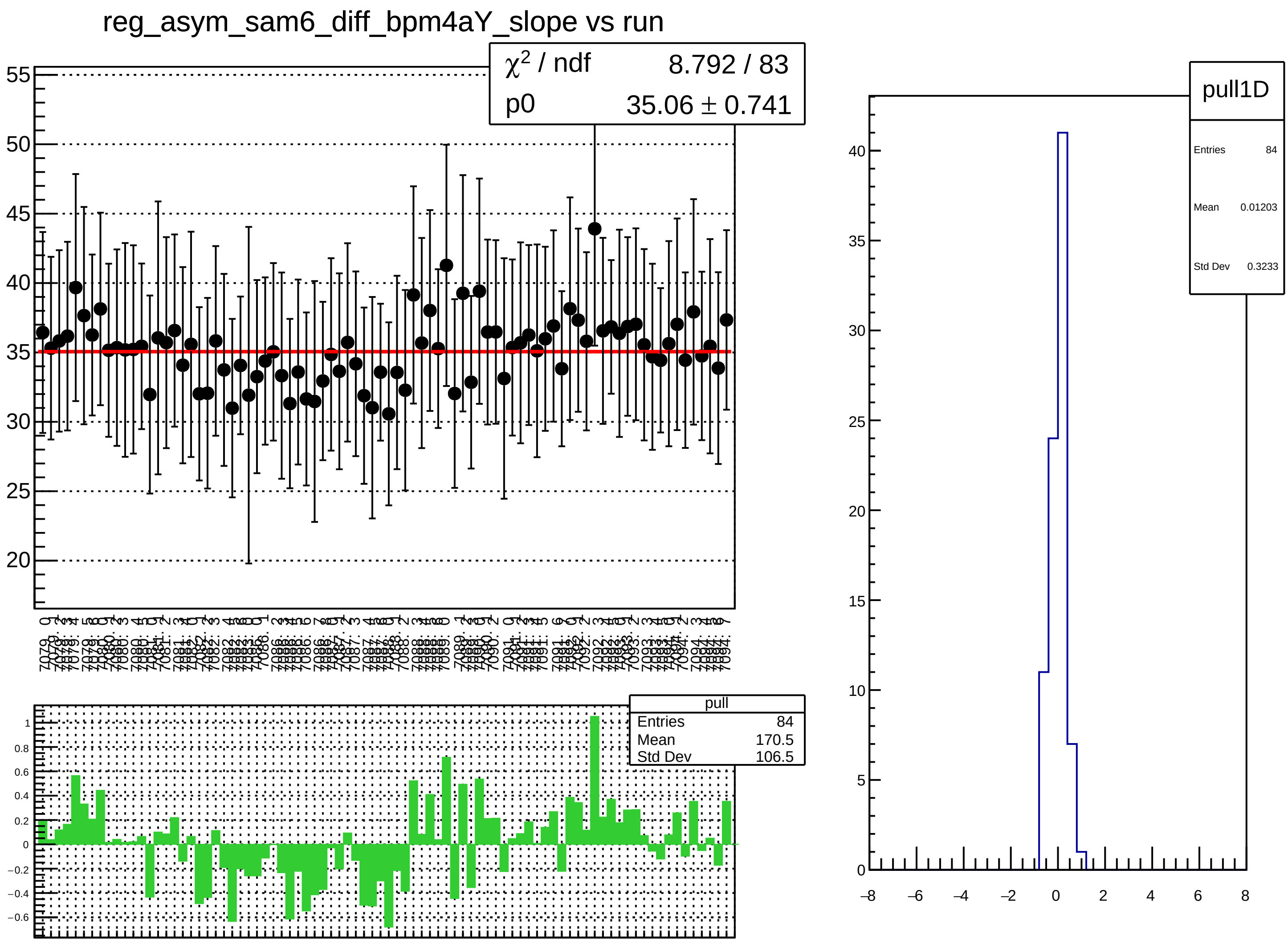


reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.67 / 83
p0 93.11 ± 0.8393
110
105
100
95
90
85
80
75
pull
Entries 84
Mean 97.61
Std Dev 142.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 84
Mean 0.008308
Std Dev 0.4714
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

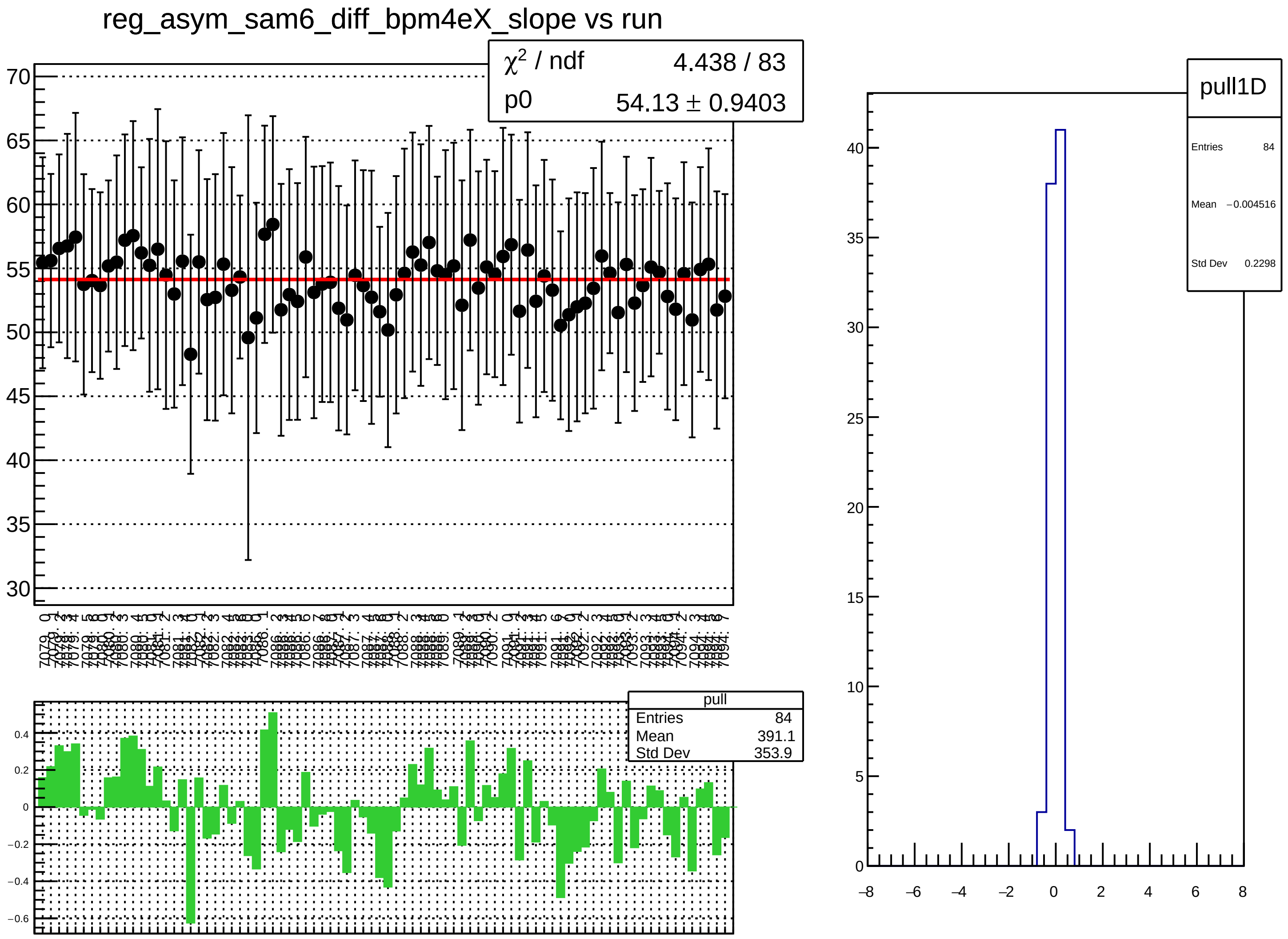

reg_asym_sam5_diff_bpm12X_slope vs run
χ2 / ndf 11.02 / 83
p0 −0.4463 ± 0.03993
pull
Entries 84
Mean −174.5
Std Dev 375.6
pull1D
Entries 84
Mean 0.0008608
Std Dev 0.3622



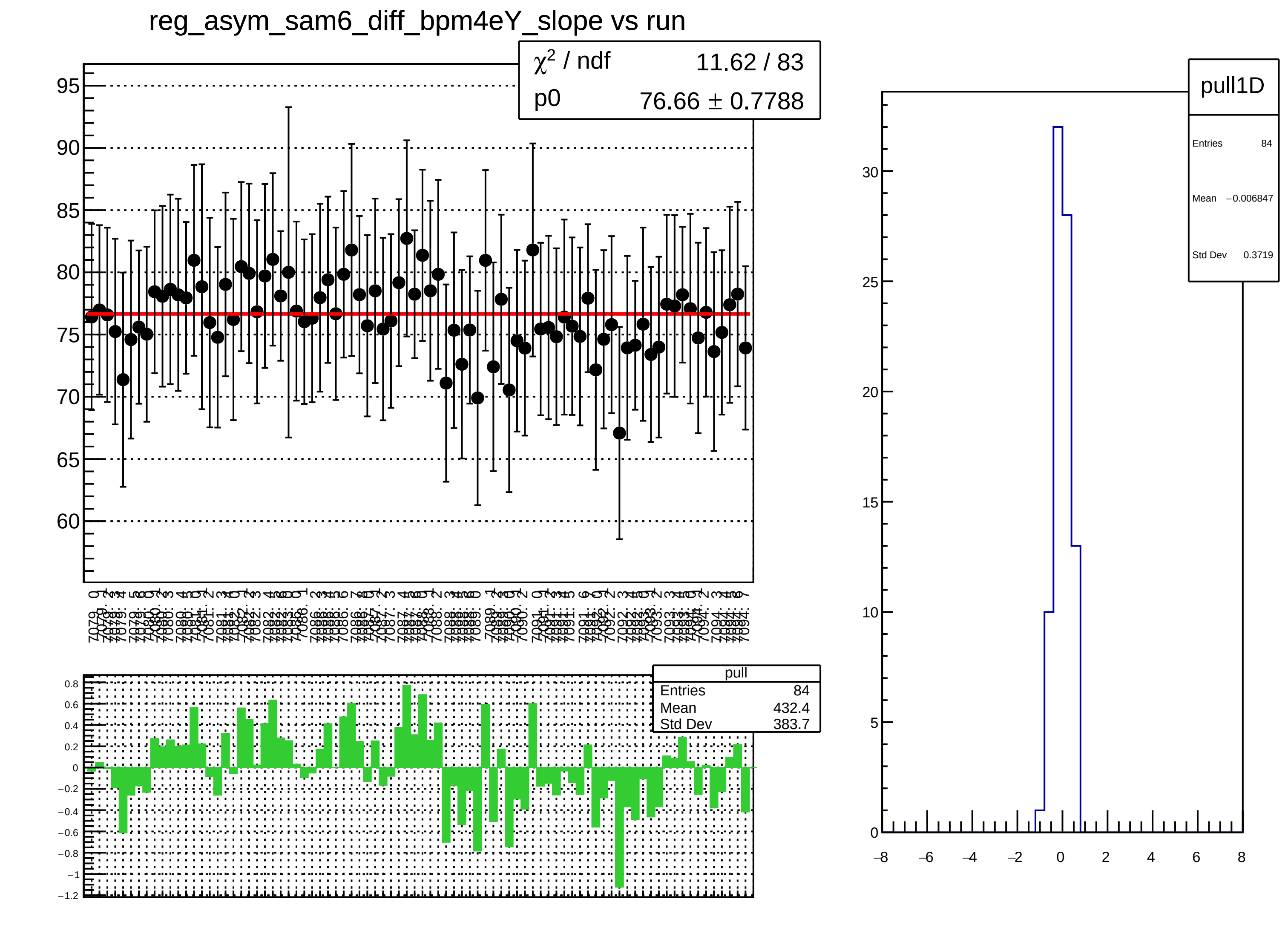
reg_asym_sam6_diff_bpm1X_slope vs run
χ2 / ndf 4.31 / 83
p0 13.54 ± 0.9748
pull
Entries 84
Mean 383.7
Std Dev 343.5
pull1D
Entries 84
Mean 0.005182
Std Dev 0.2265

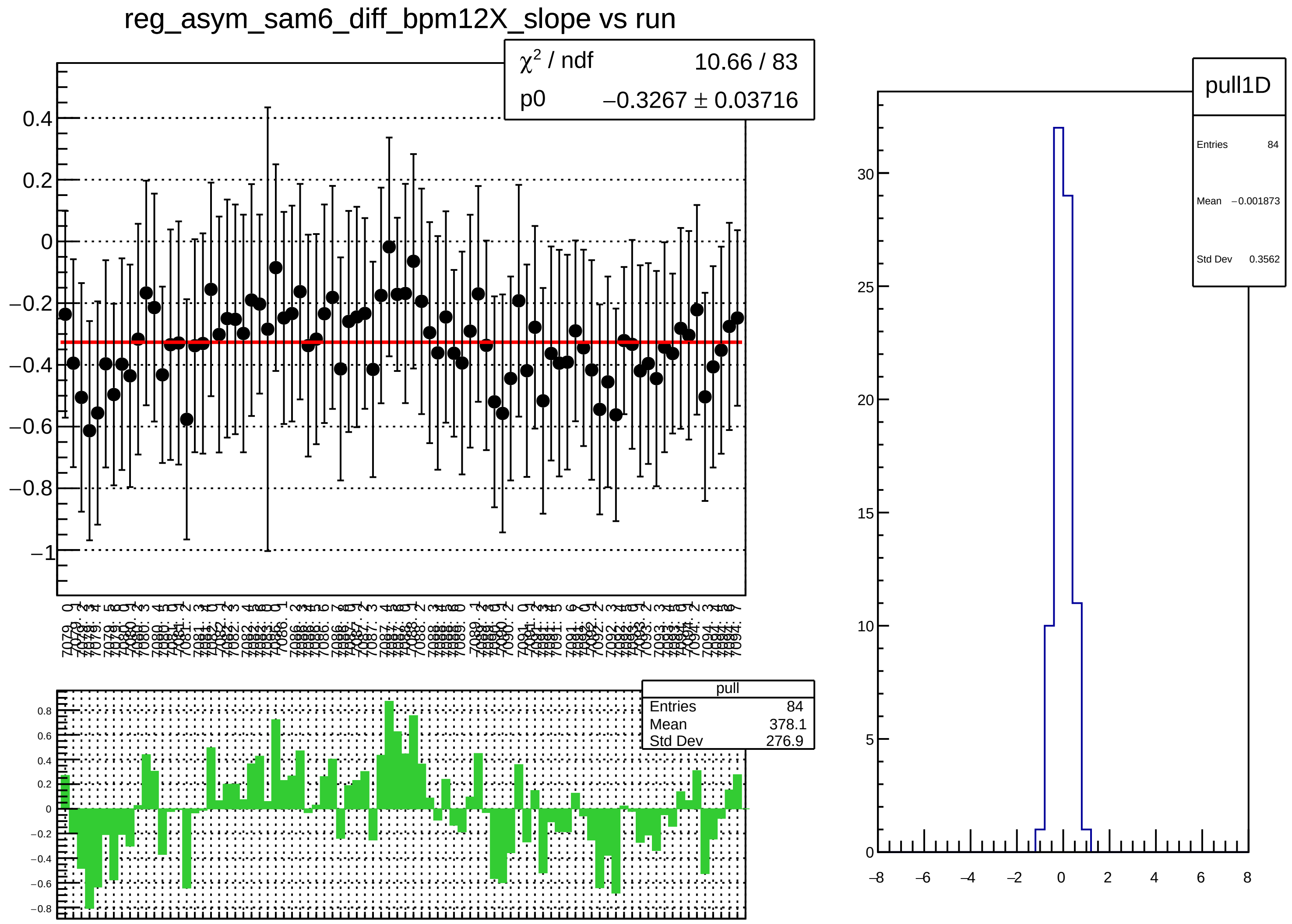


reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 8.792 / 83
p0 35.06 ± 0.741
pull
Entries 84
Mean 170.5
Std Dev 106.5
pull1D
Entries 84
Mean 0.01203
Std Dev 0.3233

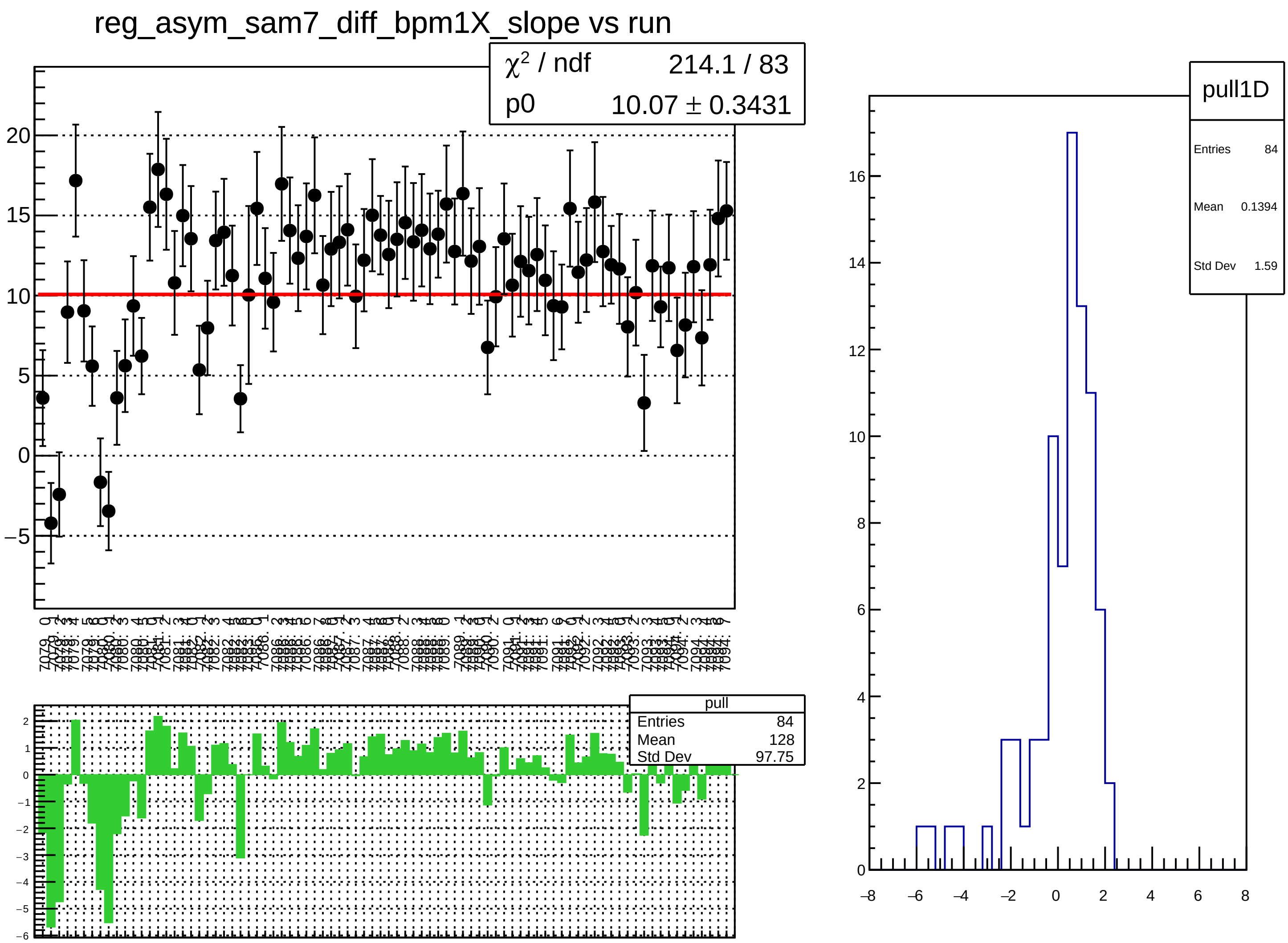


reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 4.438 / 83
p0 54.13 ± 0.9403
pull
Entries 84
Mean 391.1
Std Dev 353.9
pull1D
Entries 84
Mean −0.004516
Std Dev 0.2298

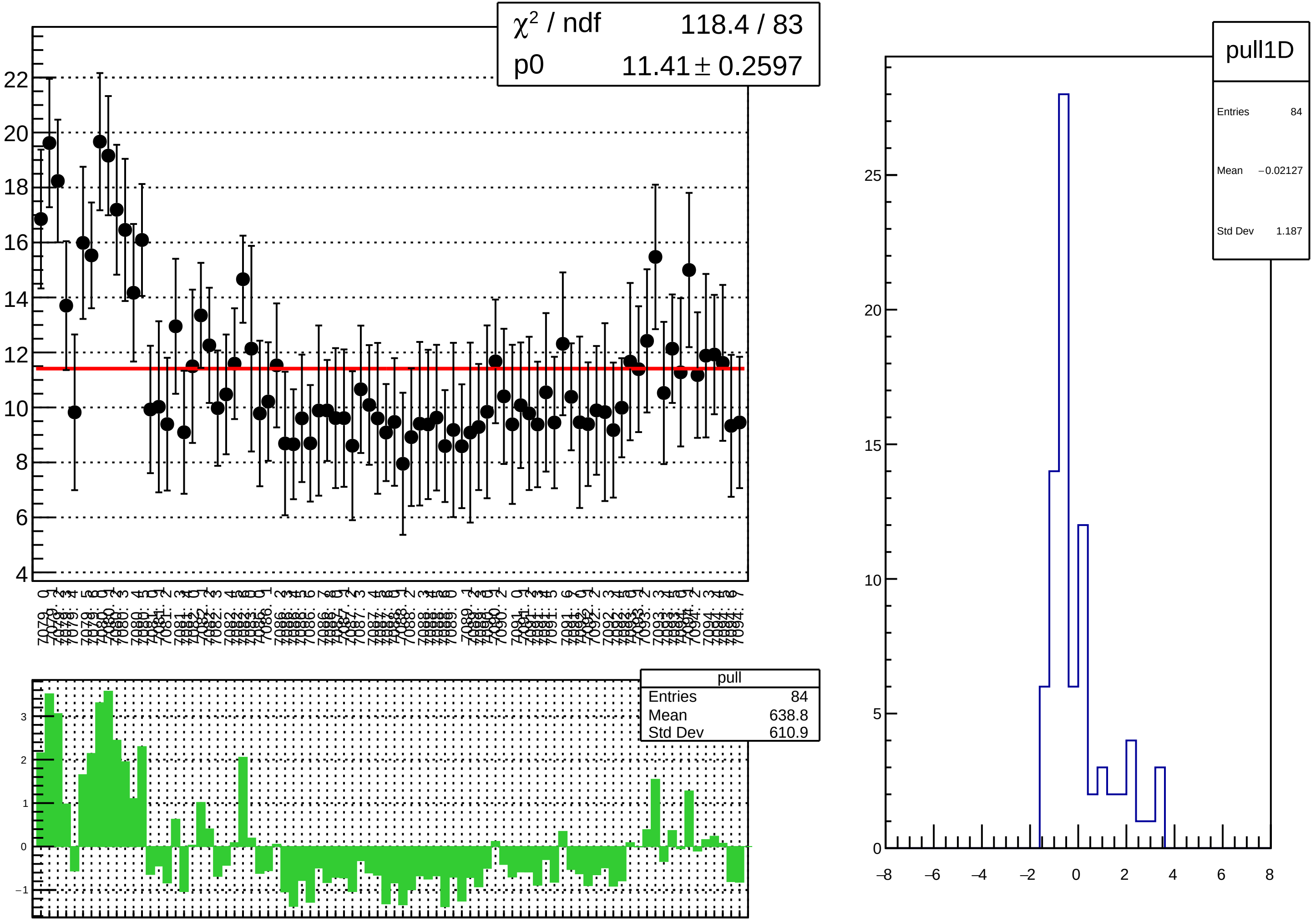

reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 11.62 / 83
p0 76.66 ± 0.7788
pull
Entries 84
Mean 432.4
Std Dev 383.7
pull1D
Entries 84
Mean −0.006847
Std Dev 0.3719

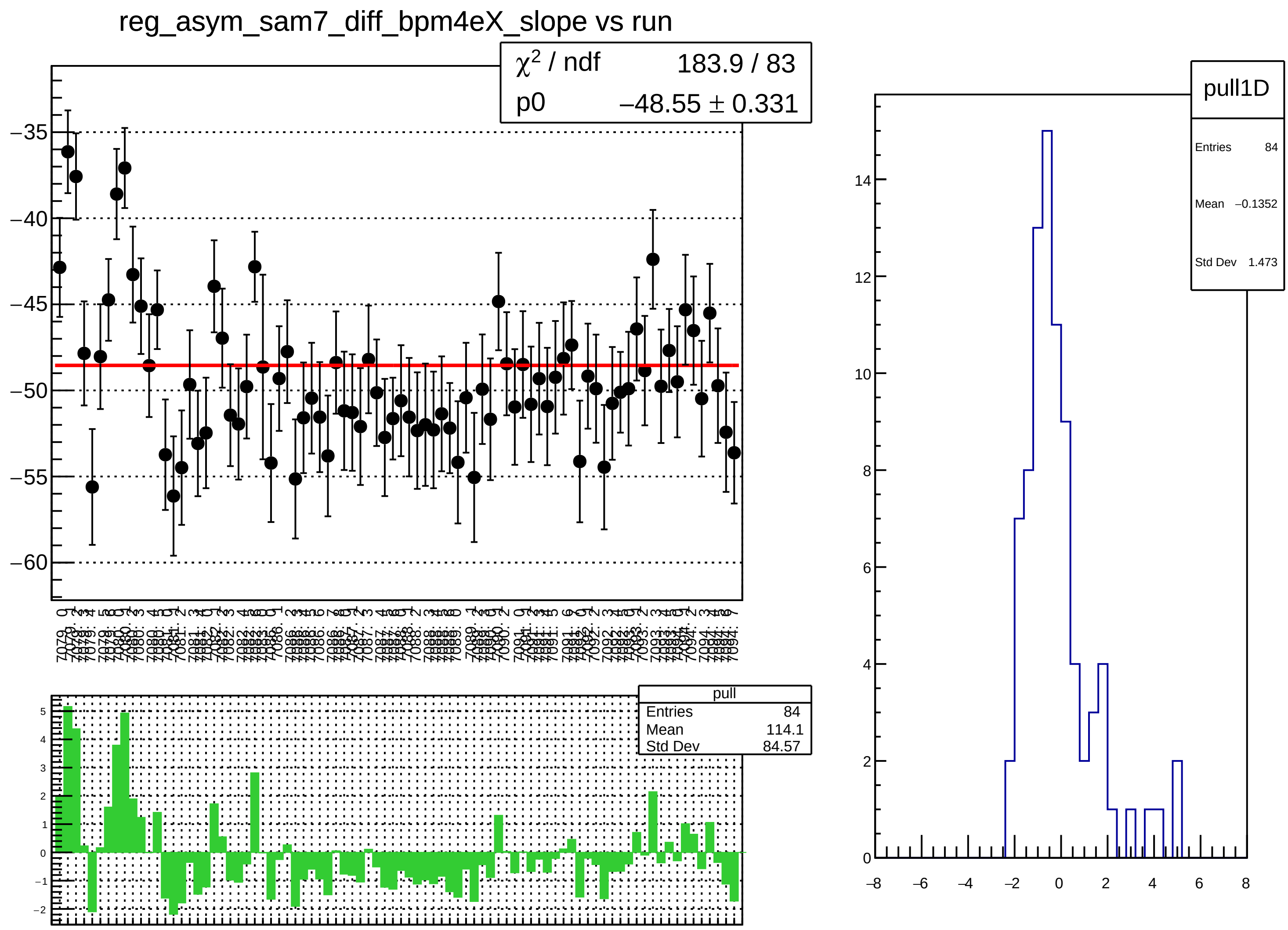


reg_asym_sam6_diff_bpm12X_slope vs run
χ2 / ndf 10.66 / 83
p0 −0.3267 ± 0.03716
pull
Entries 84
Mean 378.1
Std Dev 276.9
pull1D
Entries 84
Mean −0.001873
Std Dev 0.3562

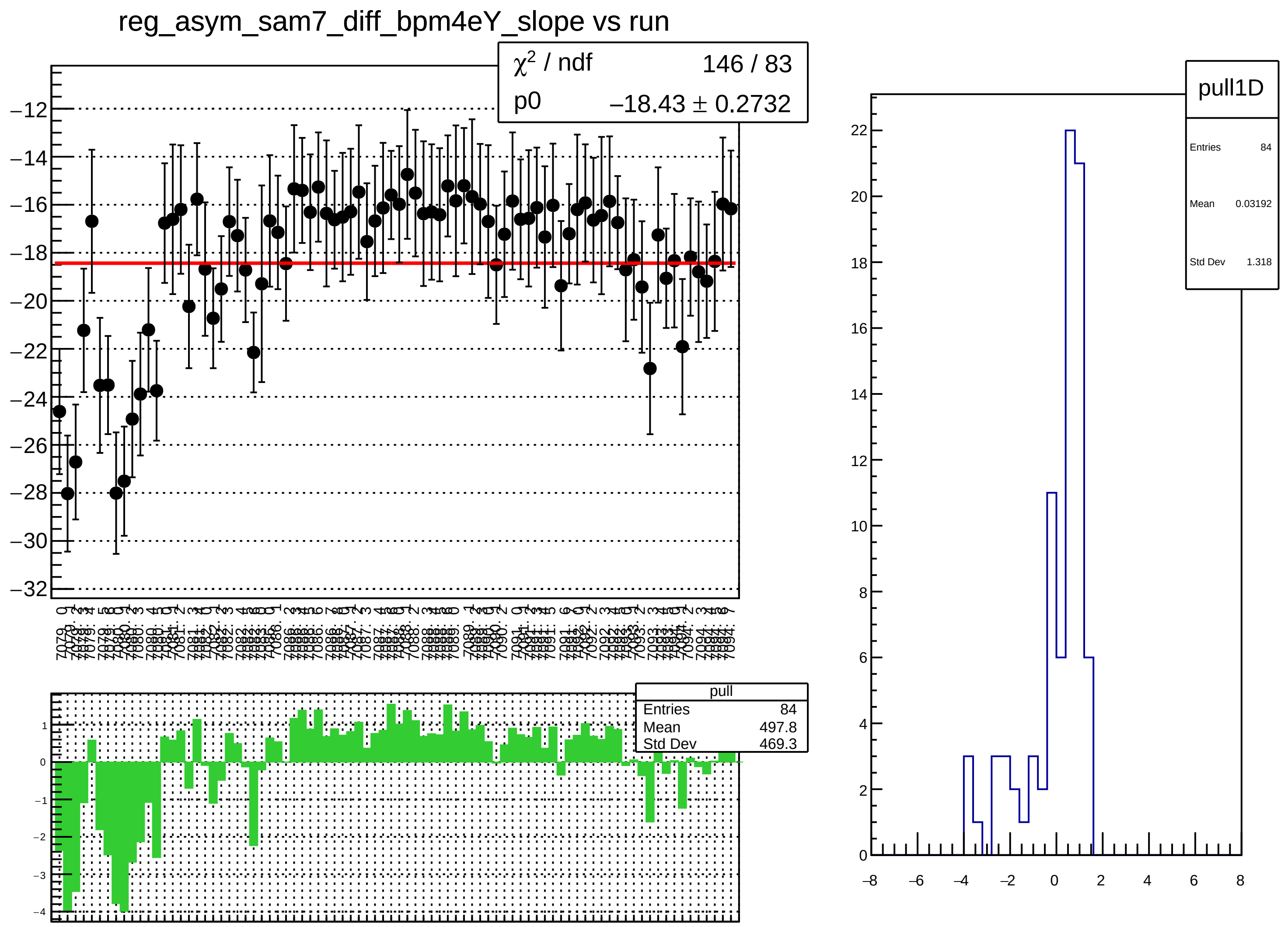

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 214.1 / 83
p0 10.07 ± 0.3431
pull
Entries 84
Mean 128
Std Dev 97.75
pull1D
Entries 84
Mean 0.1394
Std Dev 1.59

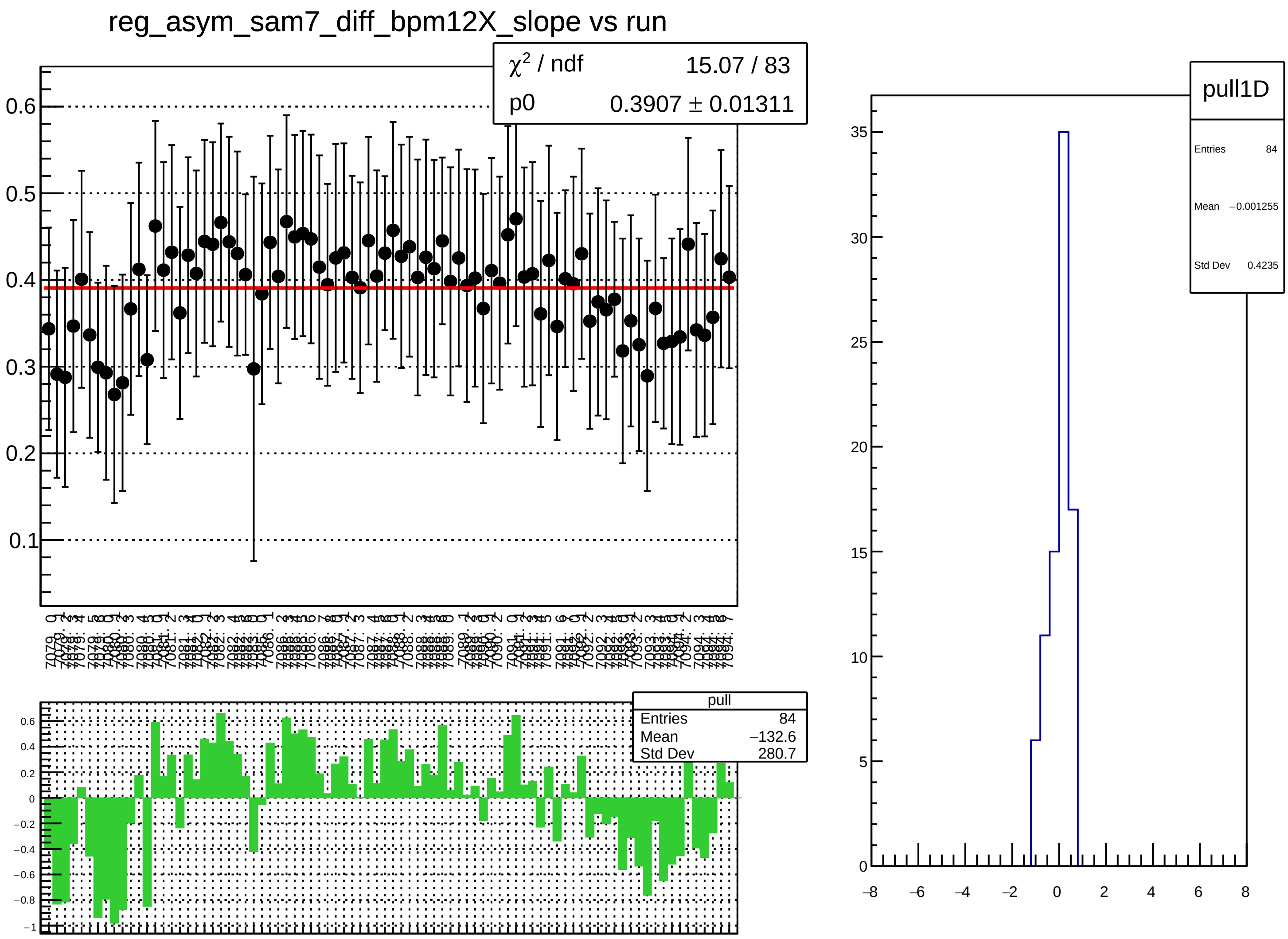
reg_asym_sam7_diff_bpm4aY_slope vs run



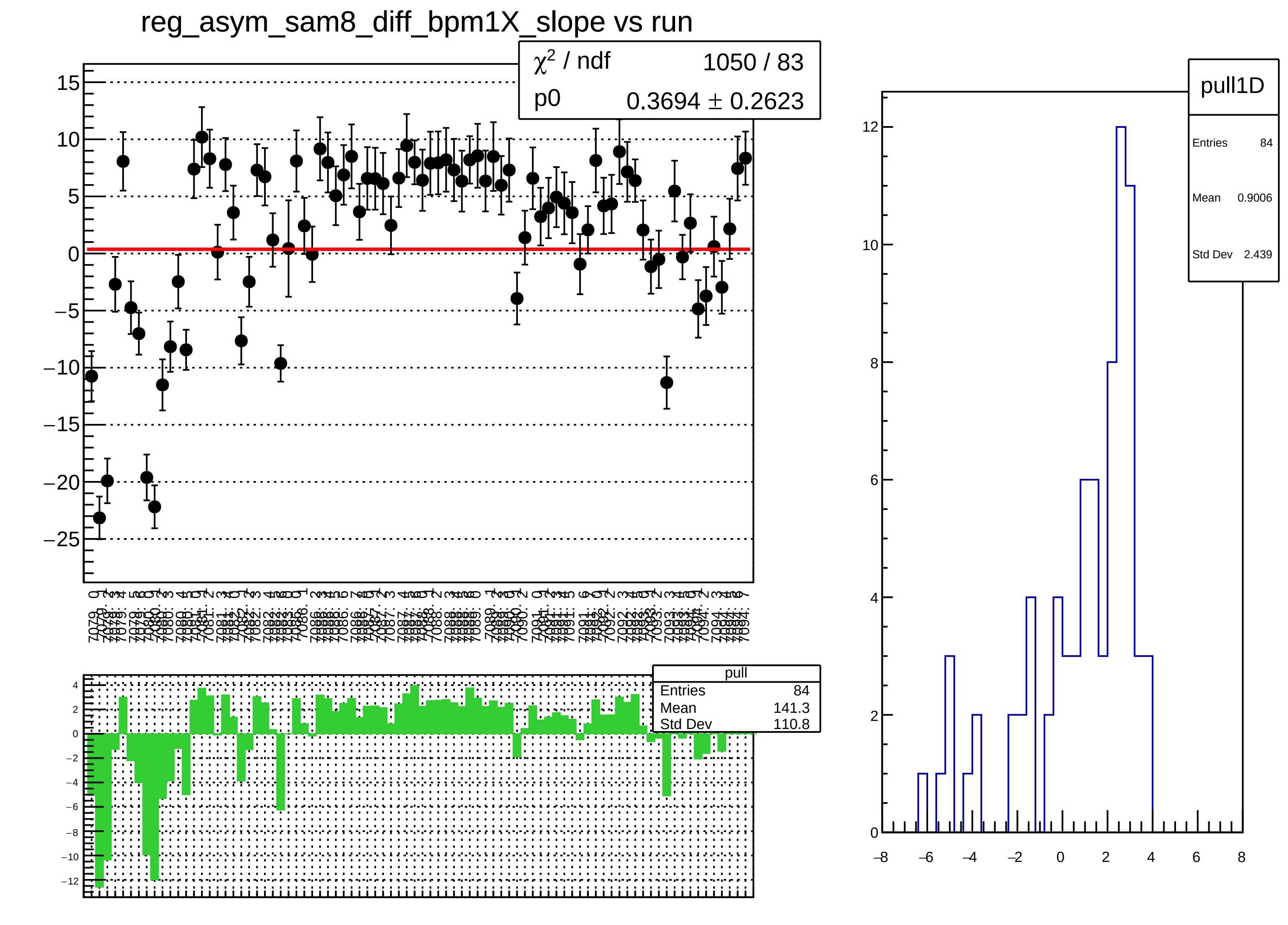


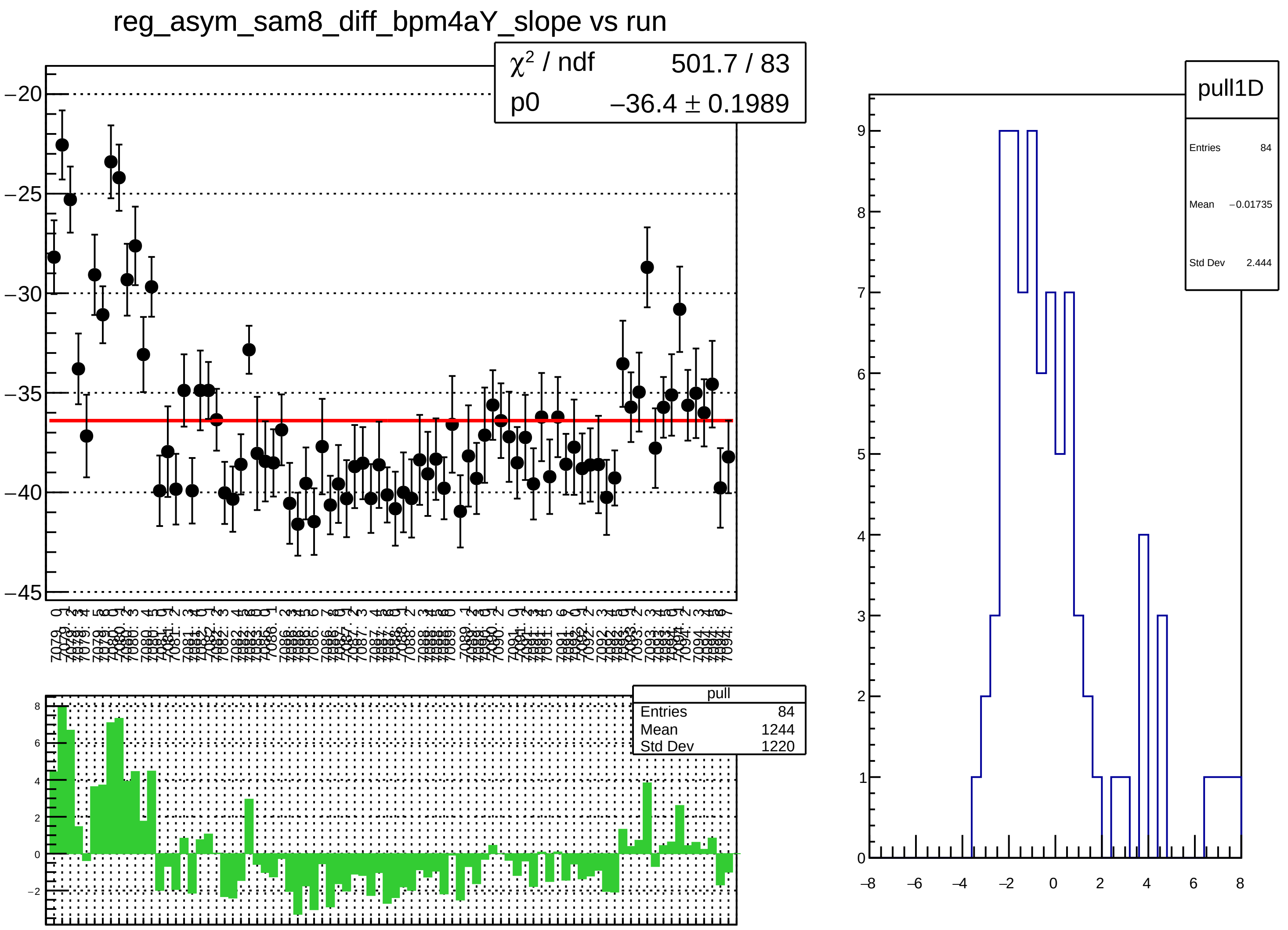
reg_asym_sam7_diff_bpm4eX_slope vs run
χ2 / ndf 183.9 / 83
p0 −48.55 ± 0.331
pull
Entries 84
Mean 114.1
Std Dev 84.57
pull1D
Entries 84
Mean −0.1352
Std Dev 1.473


reg_asym_sam7_diff_bpm4eY_slope vs run
χ2 / ndf 146 / 83
p0 −18.43 ± 0.2732
pull
Entries 84
Mean 497.8
Std Dev 469.3
pull1D
Entries 84
Mean 0.03192
Std Dev 1.318



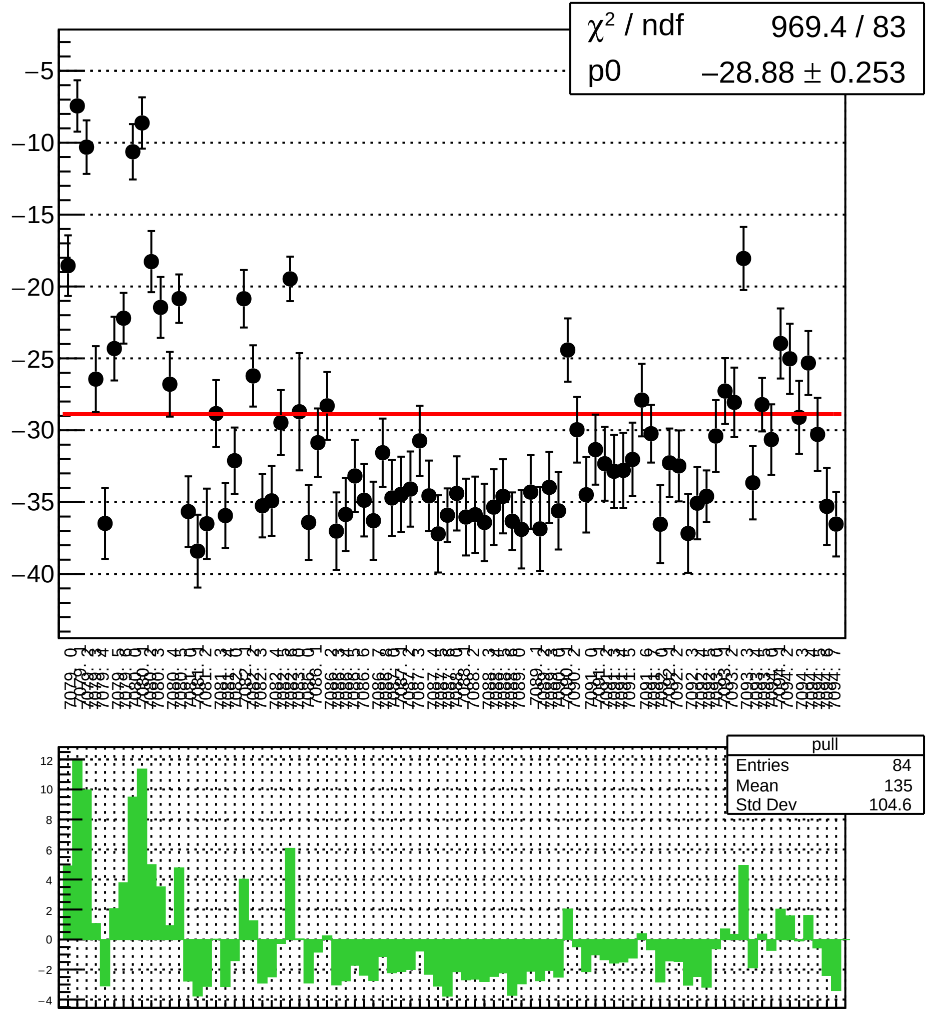
reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 15.07 / 83
p0 0.3907 ± 0.01311
pull
Entries 84
Mean −132.6
Std Dev 280.7
pull1D
Entries 84
Mean −0.001255
Std Dev 0.4235

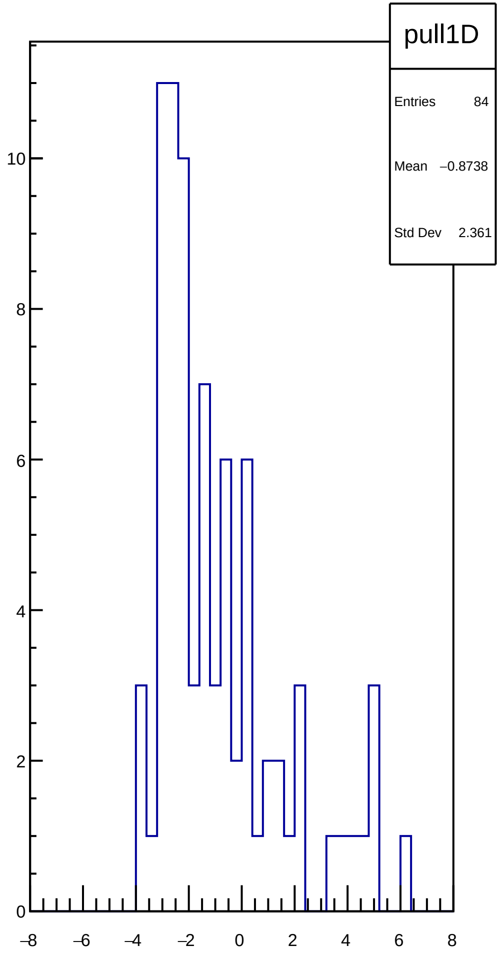

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 1050 / 83
p0 0.3694 ± 0.2623
pull
Entries 84
Mean 141.3
Std Dev 110.8
pull1D
Entries 84
Mean 0.9006
Std Dev 2.439

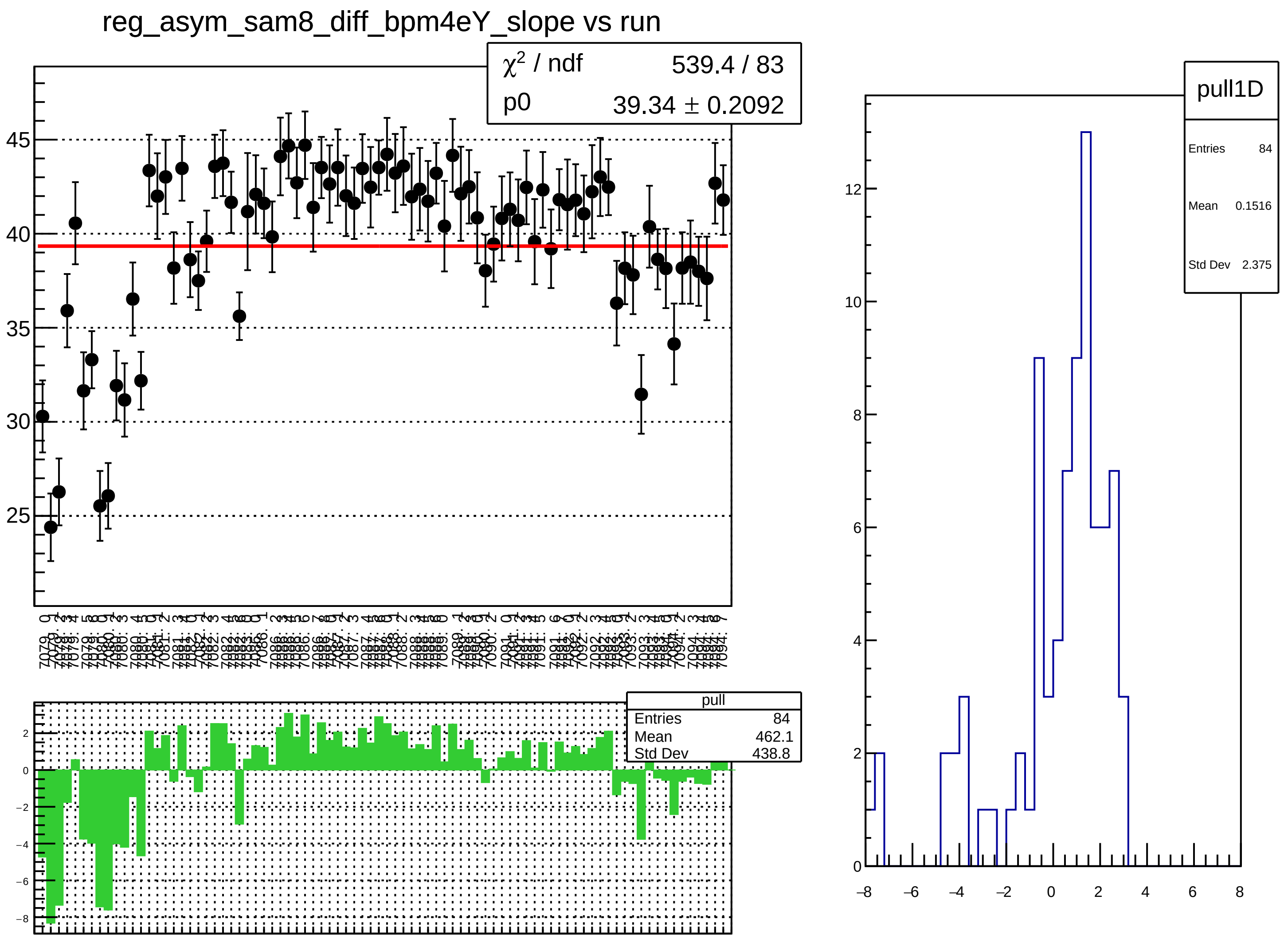


reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 501.7 / 83
p0 −36.4 ± 0.1989
pull
Entries 84
Mean 1244
Std Dev 1220
pull1D
Entries 84
Mean −0.01735
Std Dev 2.444

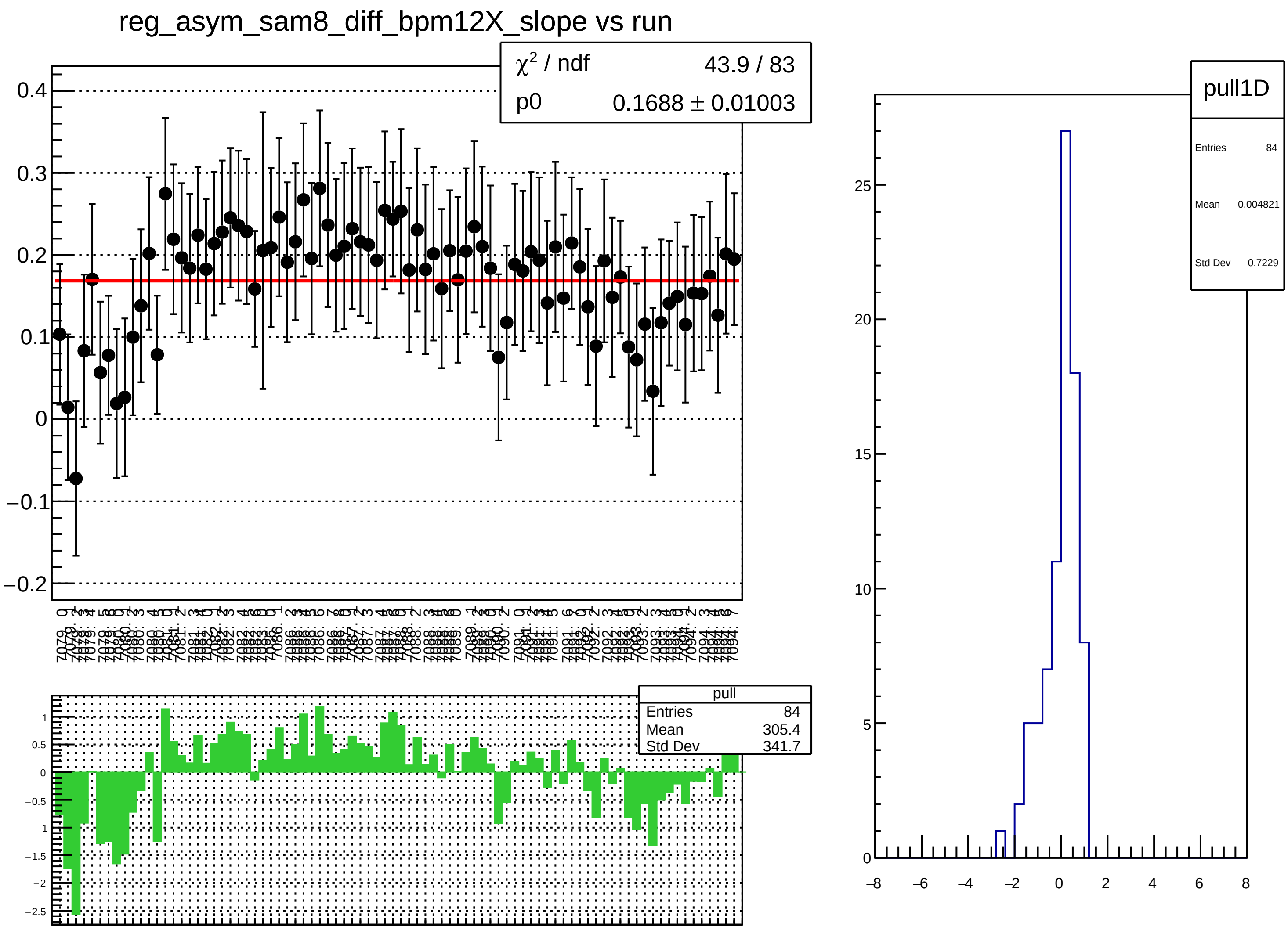
reg_asym_sam8_diff_bpm4eX_slope vs run



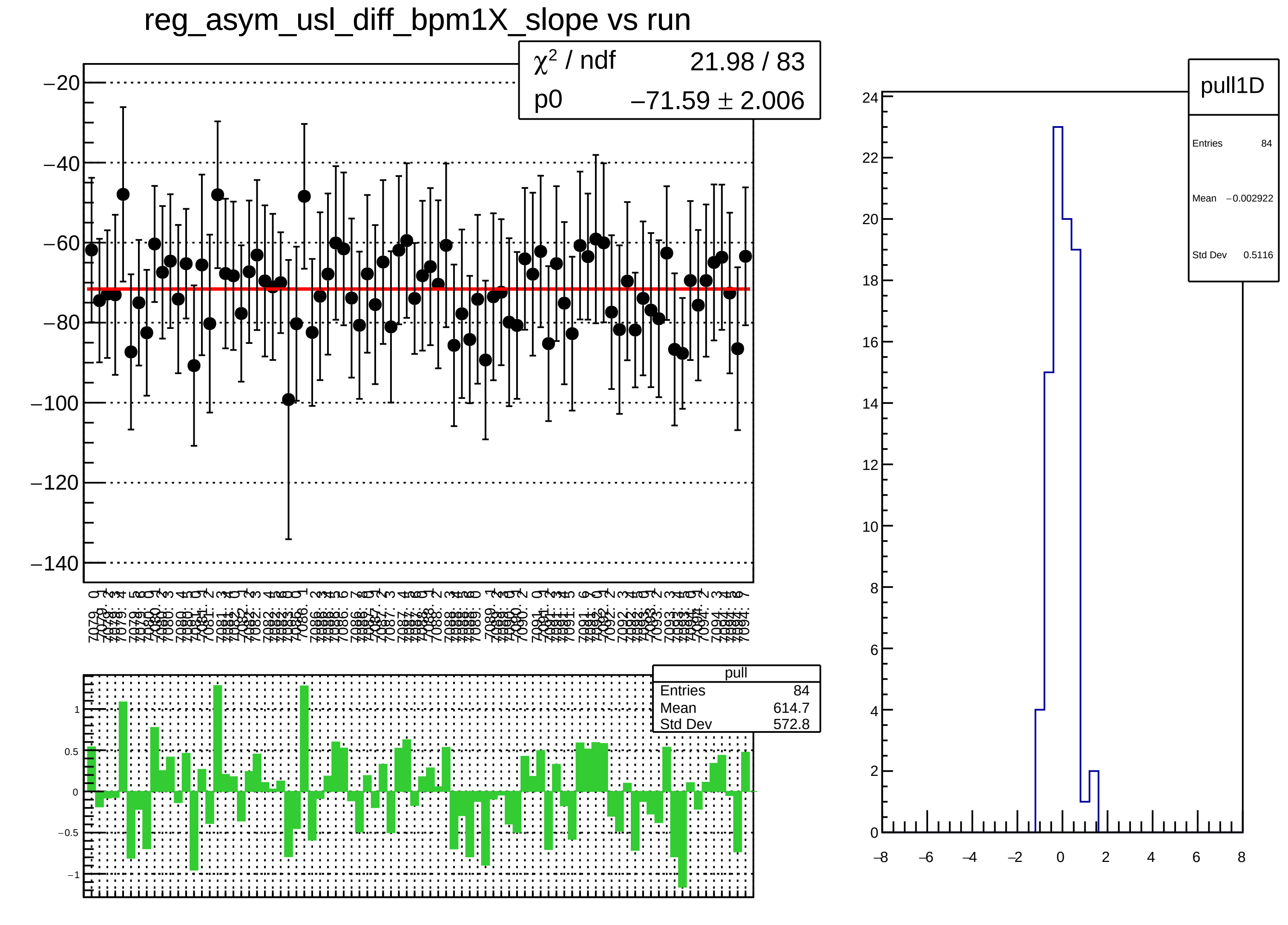


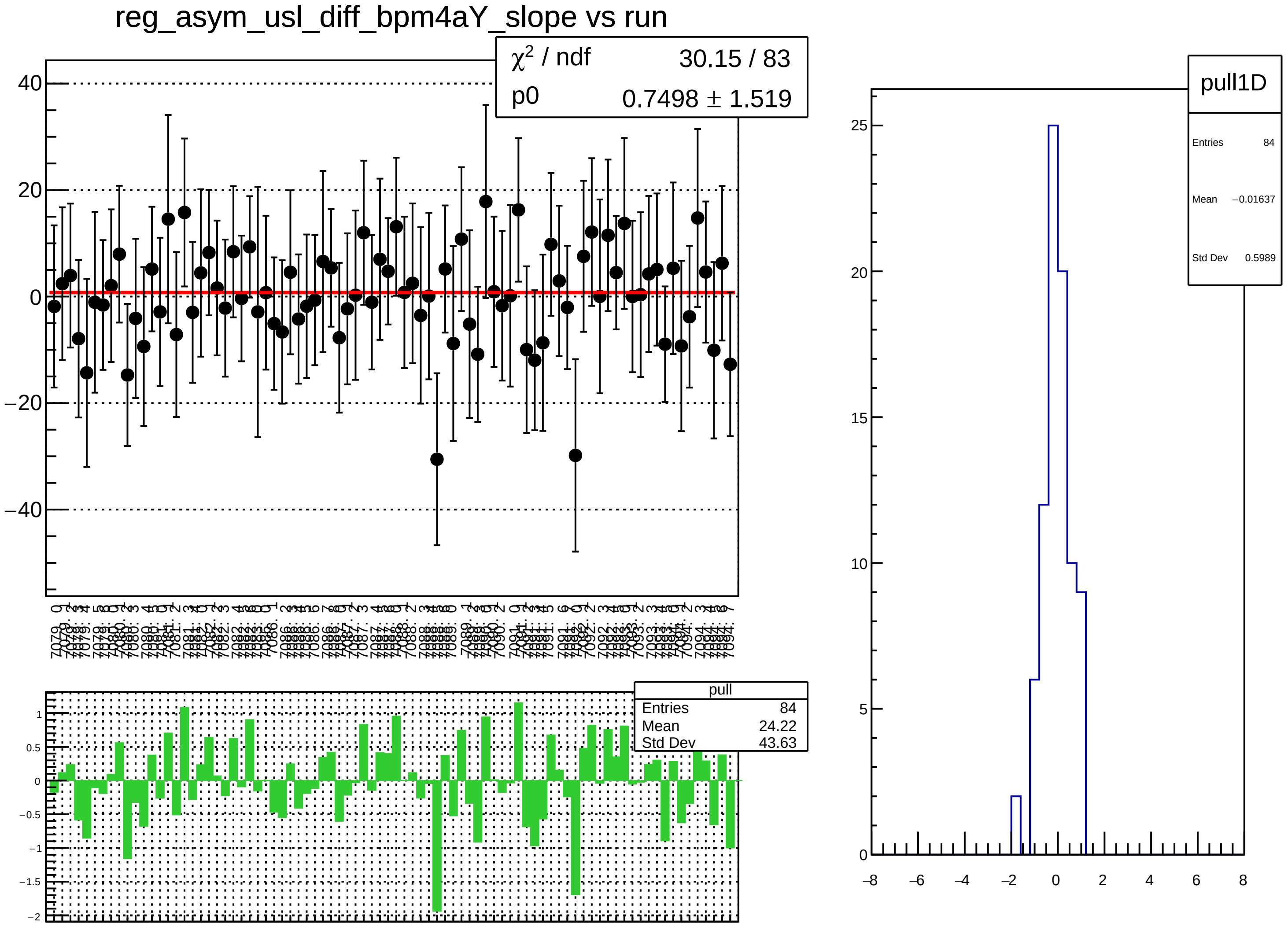


reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 539.4 / 83
p0 39.34 ± 0.2092
pull
Entries 84
Mean 462.1
Std Dev 438.8
pull1D
Entries 84
Mean 0.1516
Std Dev 2.375

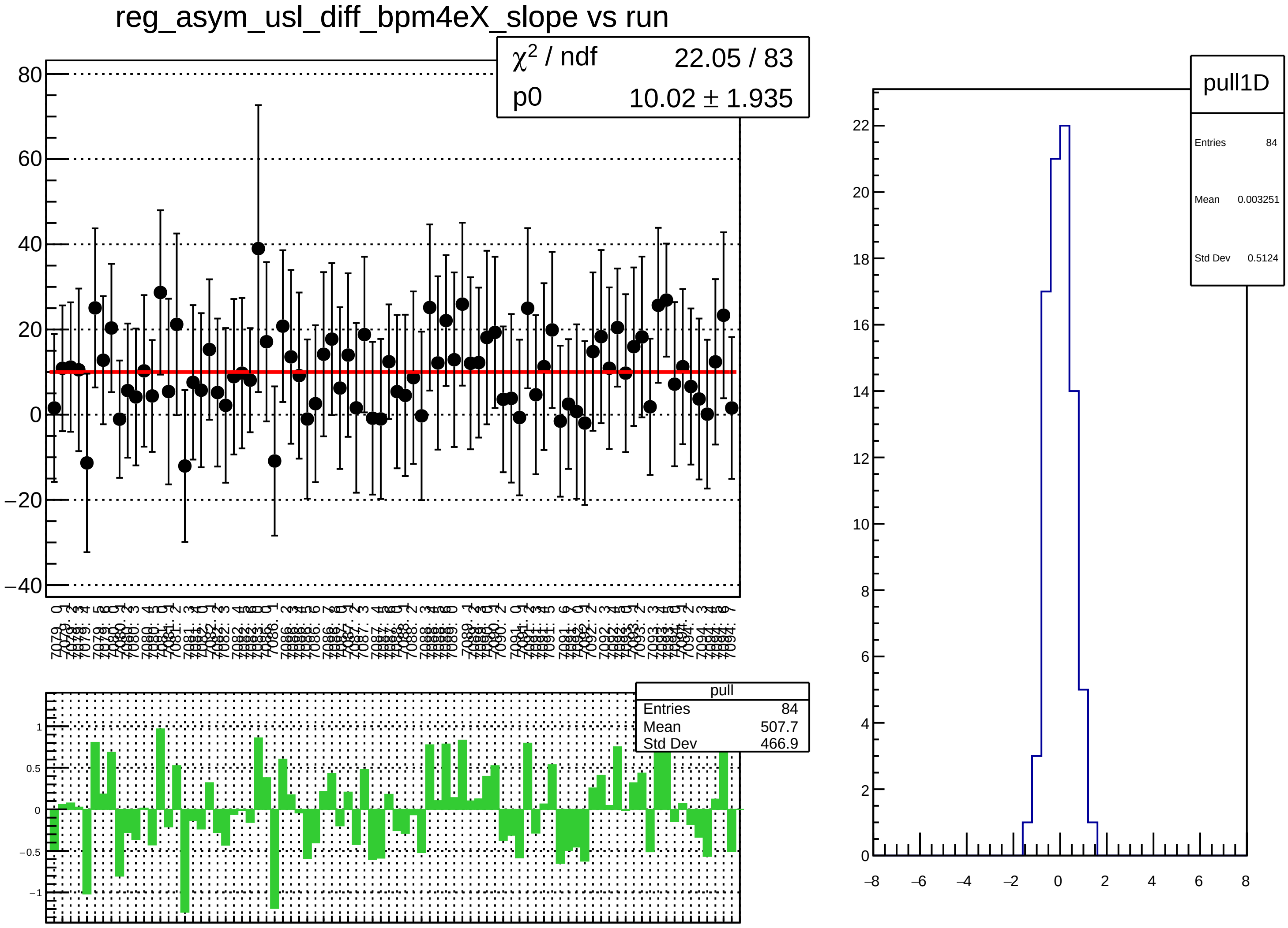


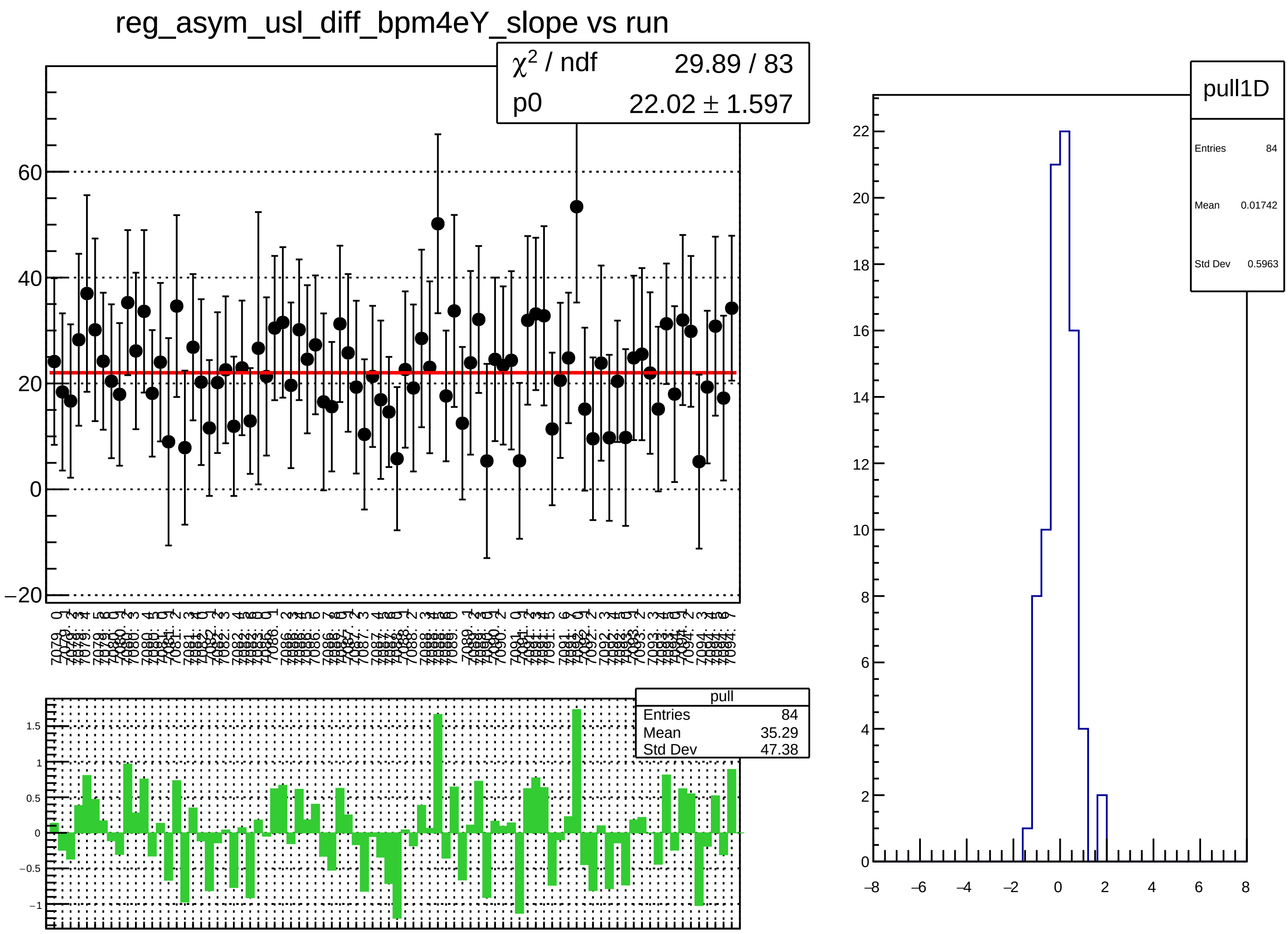
reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 43.9 / 83
p0 0.1688 ± 0.01003
pull
Entries 84
Mean 305.4
Std Dev 341.7
pull1D
Entries 84
Mean 0.004821
Std Dev 0.7229


reg_asym_usl_diff_bpm1X_slope vs run
χ2 / ndf 21.98 / 83
p0 −71.59 ± 2.006
pull
Entries 84
Mean 614.7
Std Dev 572.8
pull1D
Entries 84
Mean −0.002922
Std Dev 0.5116

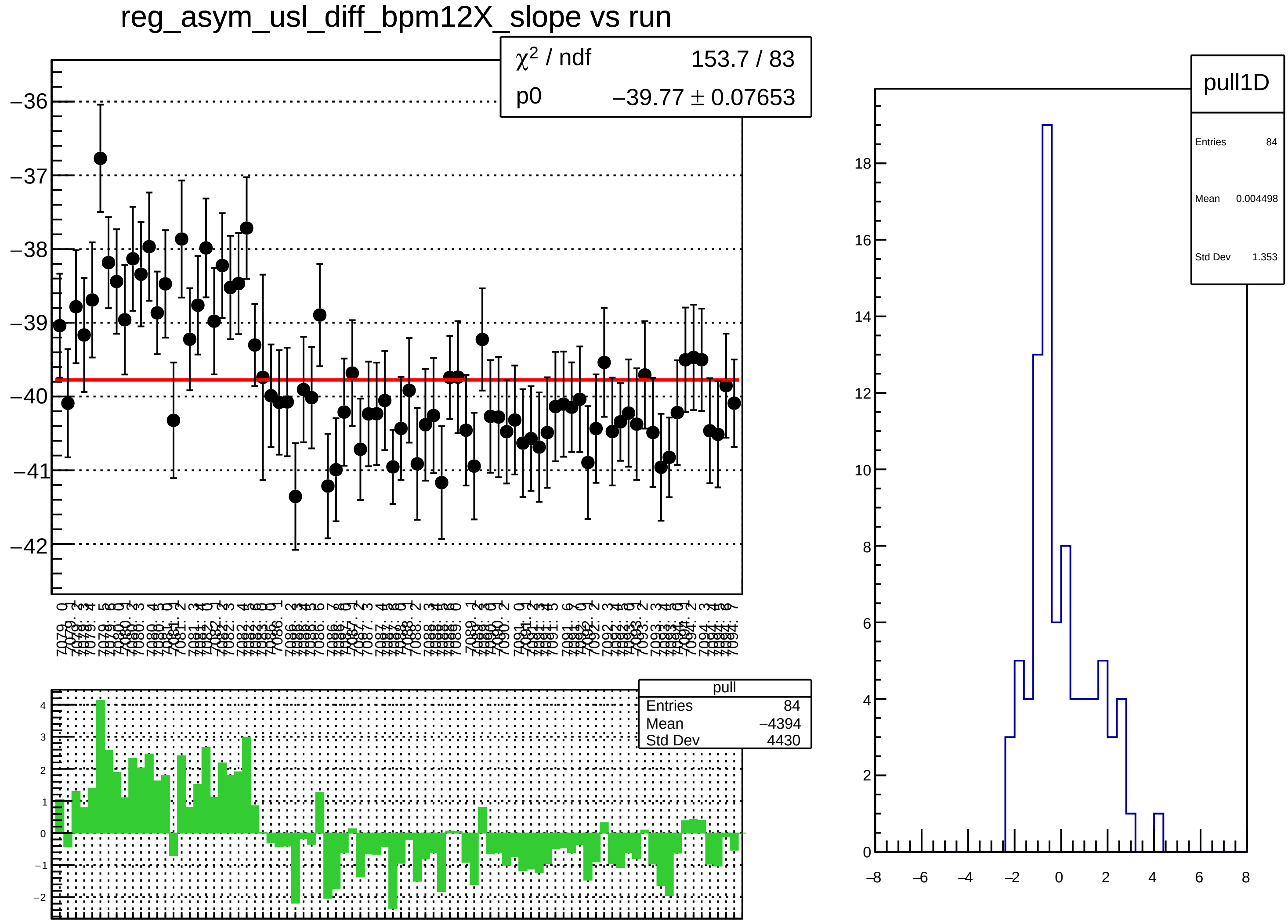


reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 30.15 / 83
p0 0.7498 ± 1.519
pull
Entries 84
Mean 24.22
Std Dev 43.63
pull1D
Entries 84
Mean −0.01637
Std Dev 0.5989

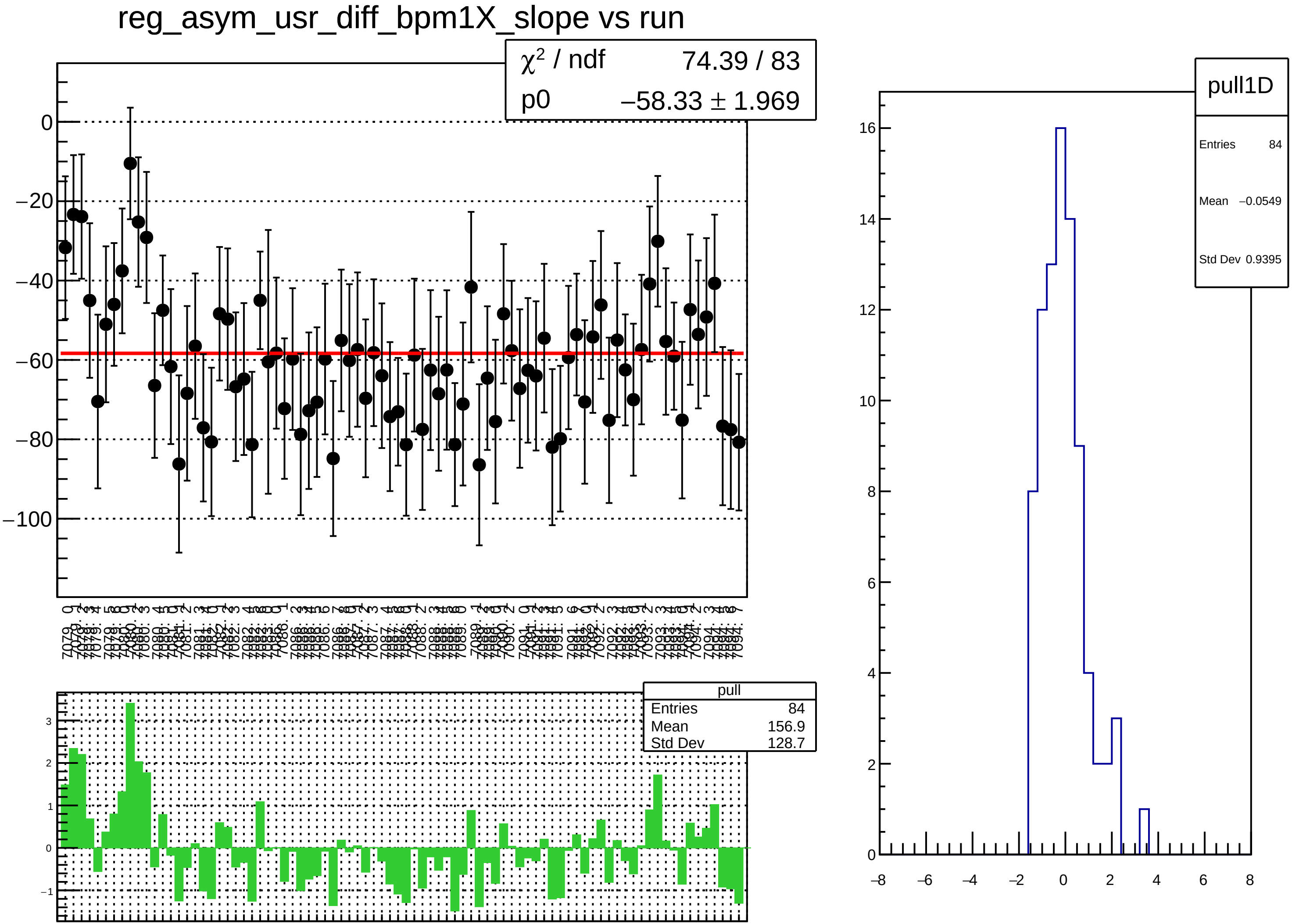

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 22.05 / 83
p0 10.02 ± 1.935
pull
Entries 84
Mean 507.7
Std Dev 466.9
pull1D
Entries 84
Mean 0.003251
Std Dev 0.5124

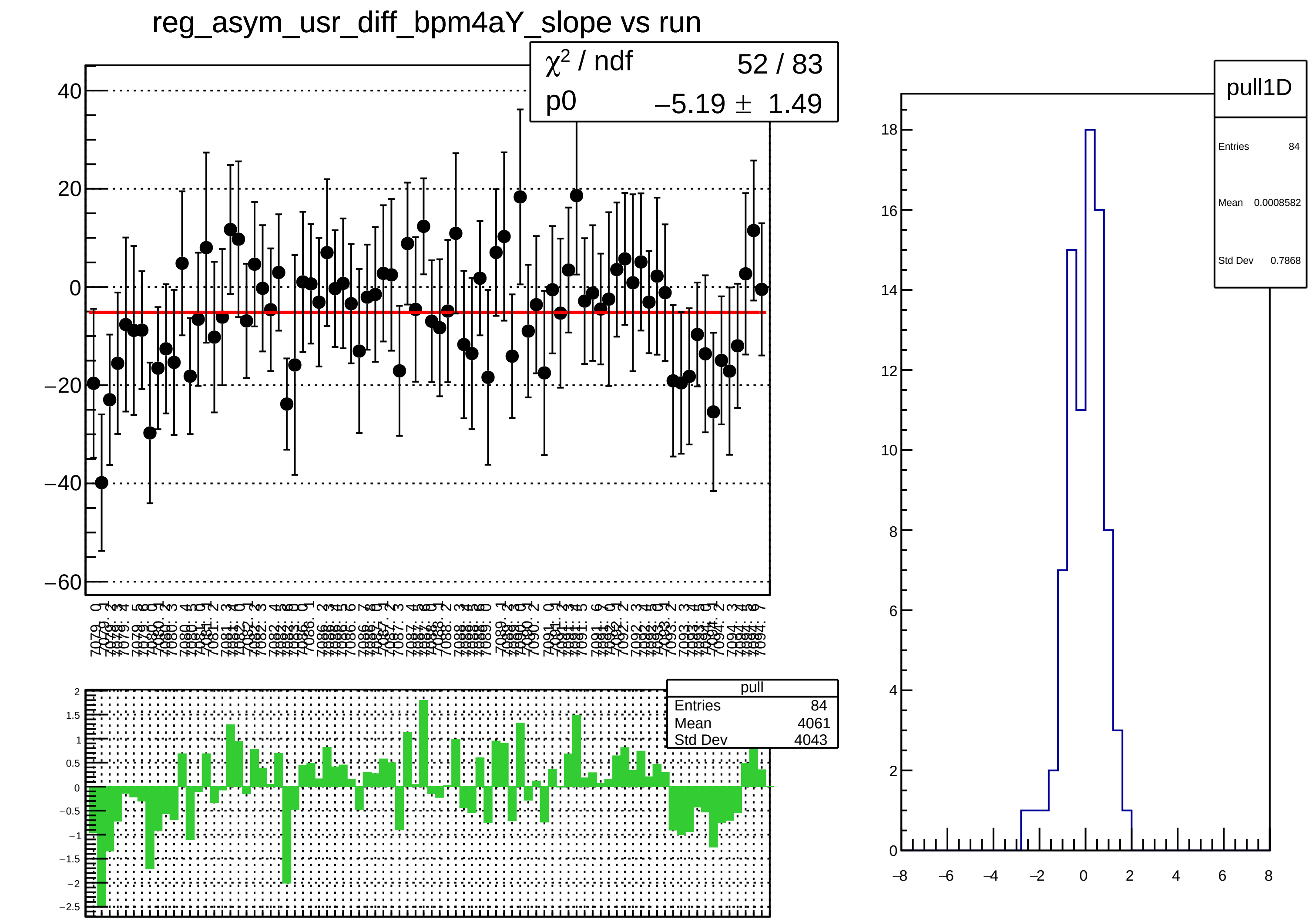


reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 29.89 / 83
p0 22.02 ± 1.597
pull
Entries 84
Mean 35.29
Std Dev 47.38
pull1D
Entries 84
Mean 0.01742
Std Dev 0.5963

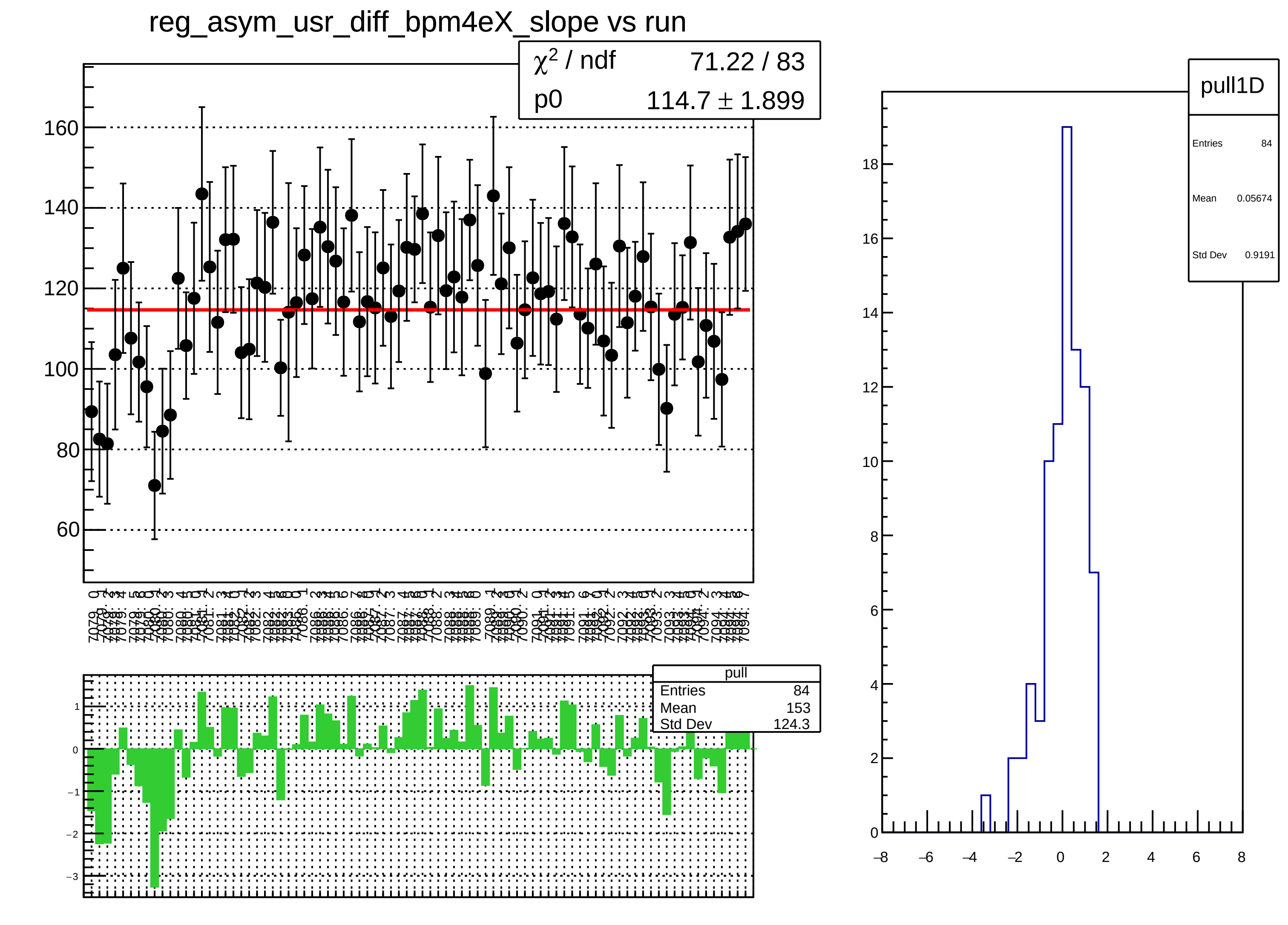


reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 153.7 / 83
p0 −39.77 ± 0.07653
pull
Entries 84
Mean −4394
Std Dev 4430
pull1D
Entries 84
Mean 0.004498
Std Dev 1.353

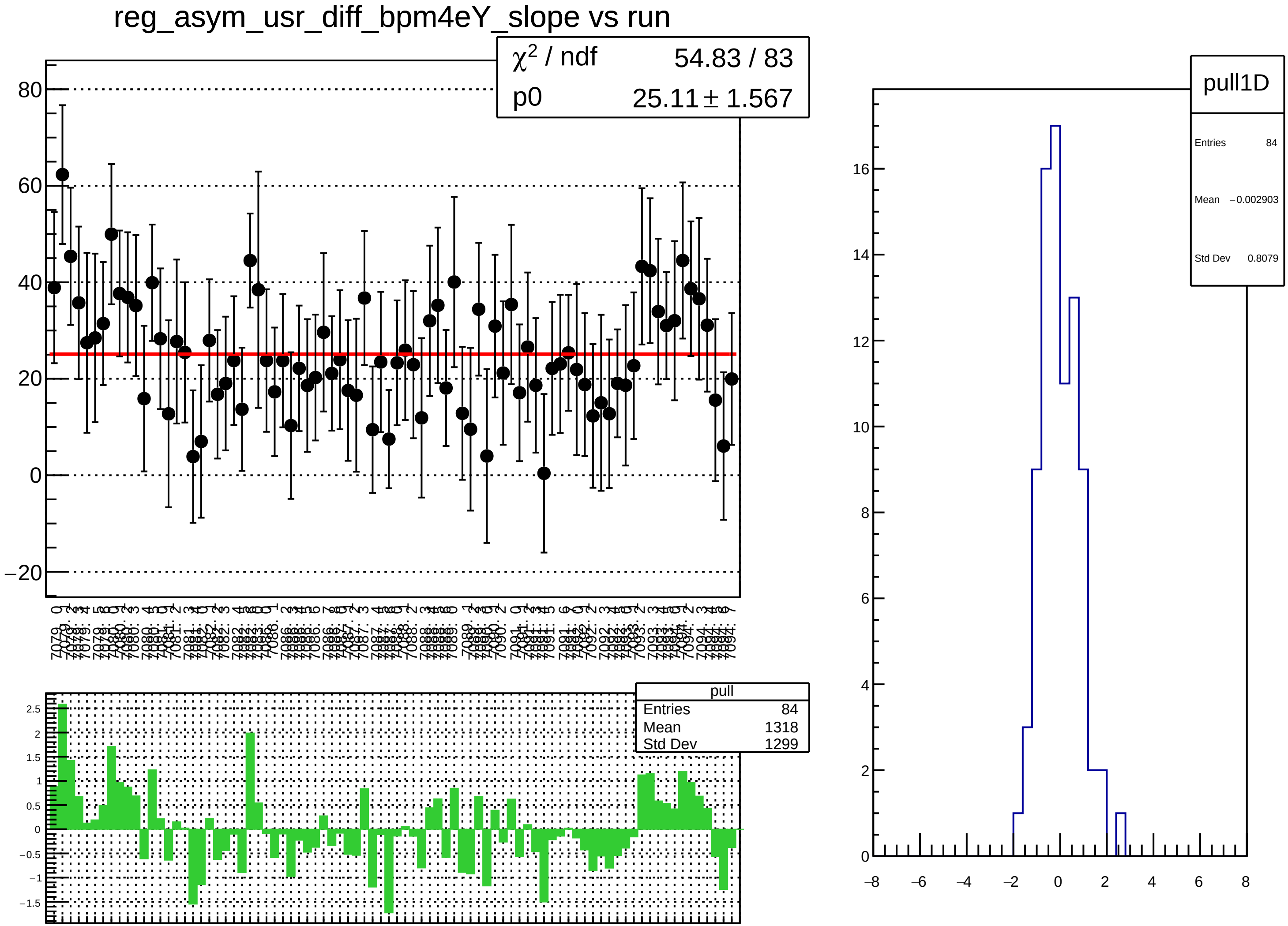

reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 74.39 / 83
p0 −58.33 ± 1.969
pull
Entries 84
Mean 156.9
Std Dev 128.7
pull1D
Entries 84
Mean −0.0549
Std Dev 0.9395



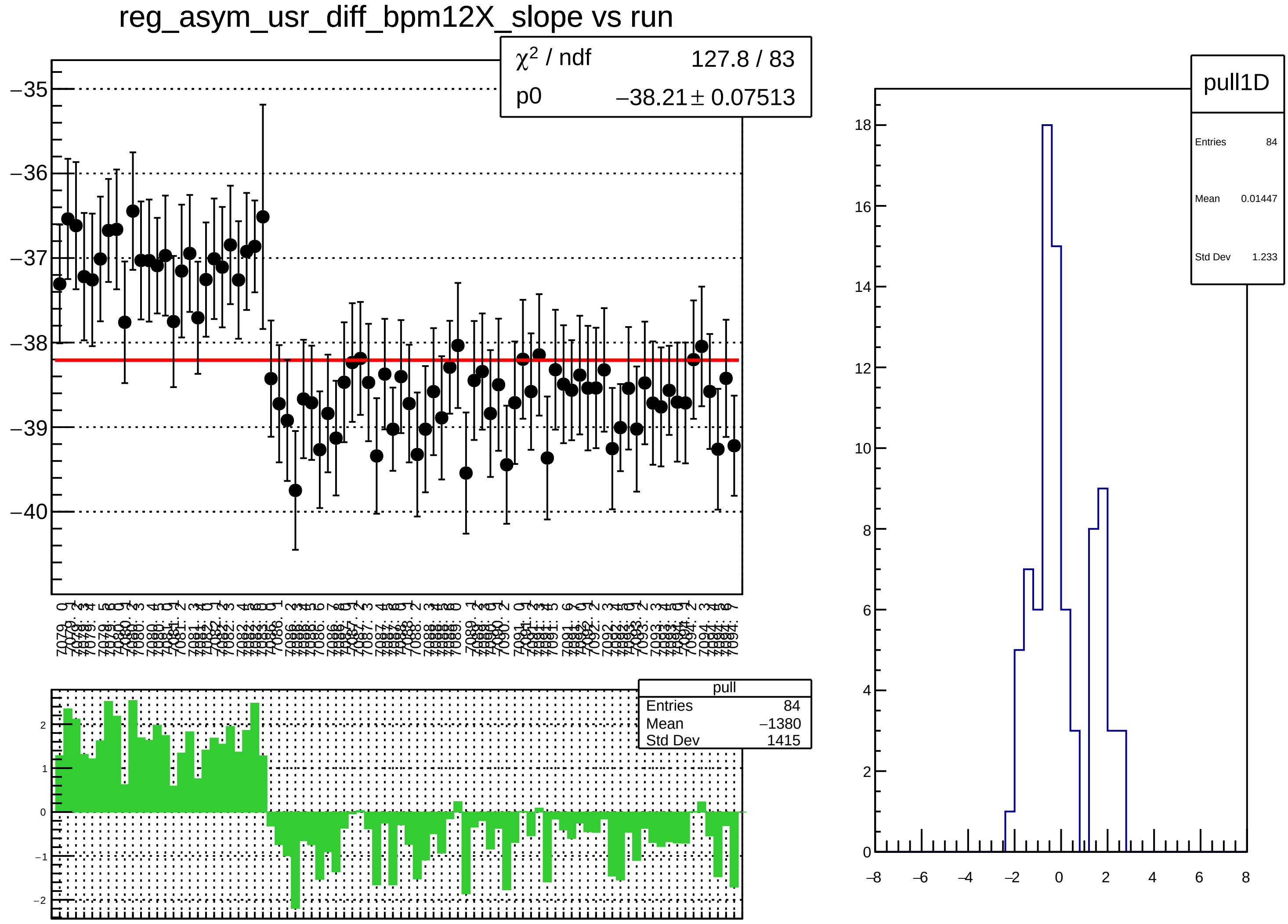
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 52 / 83
p0 −5.19 ± 1.49
pull
Entries 84
Mean 4061
Std Dev 4043
pull1D
Entries 84
Mean 0.0008582
Std Dev 0.7868



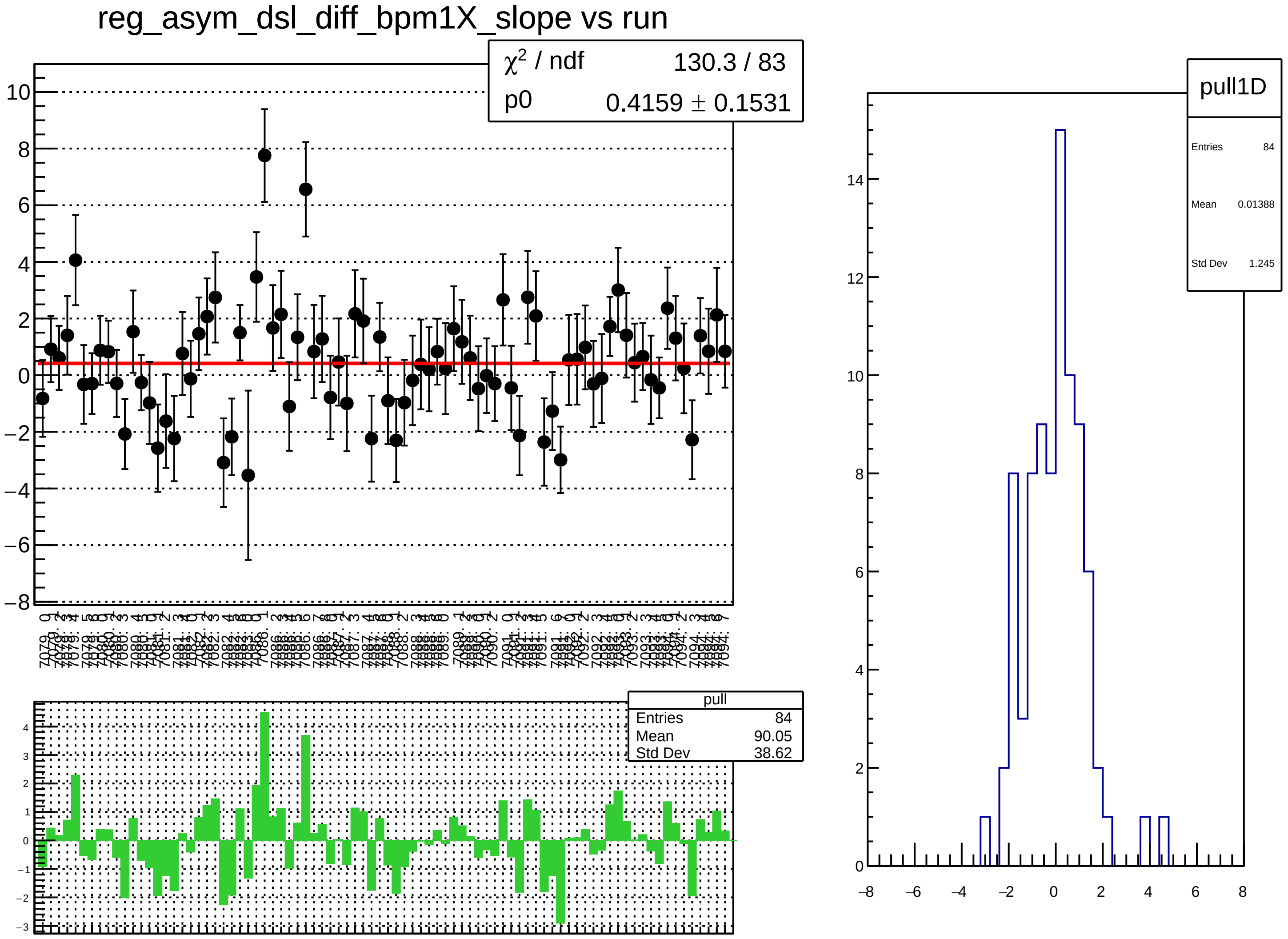
reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 71.22 / 83
p0 114.7 ± 1.899
pull
Entries 84
Mean 153
Std Dev 124.3
pull1D
Entries 84
Mean 0.05674
Std Dev 0.9191



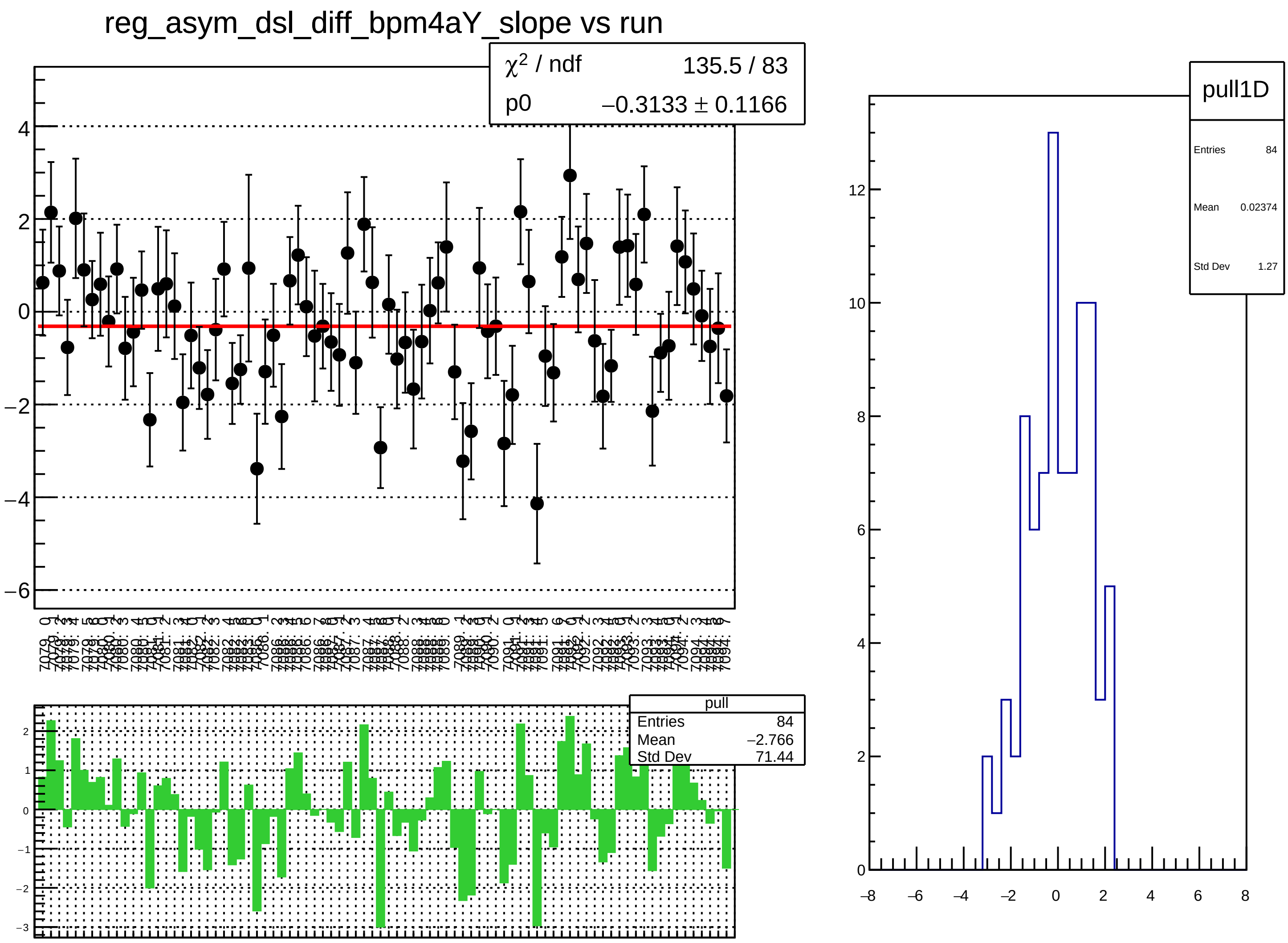
reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 54.83 / 83
p0 25.11 ± 1.567
80
60
40
20
0
−20
pull
Entries 84
Mean 1318
Std Dev 1299
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.002903
Std Dev 0.8079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



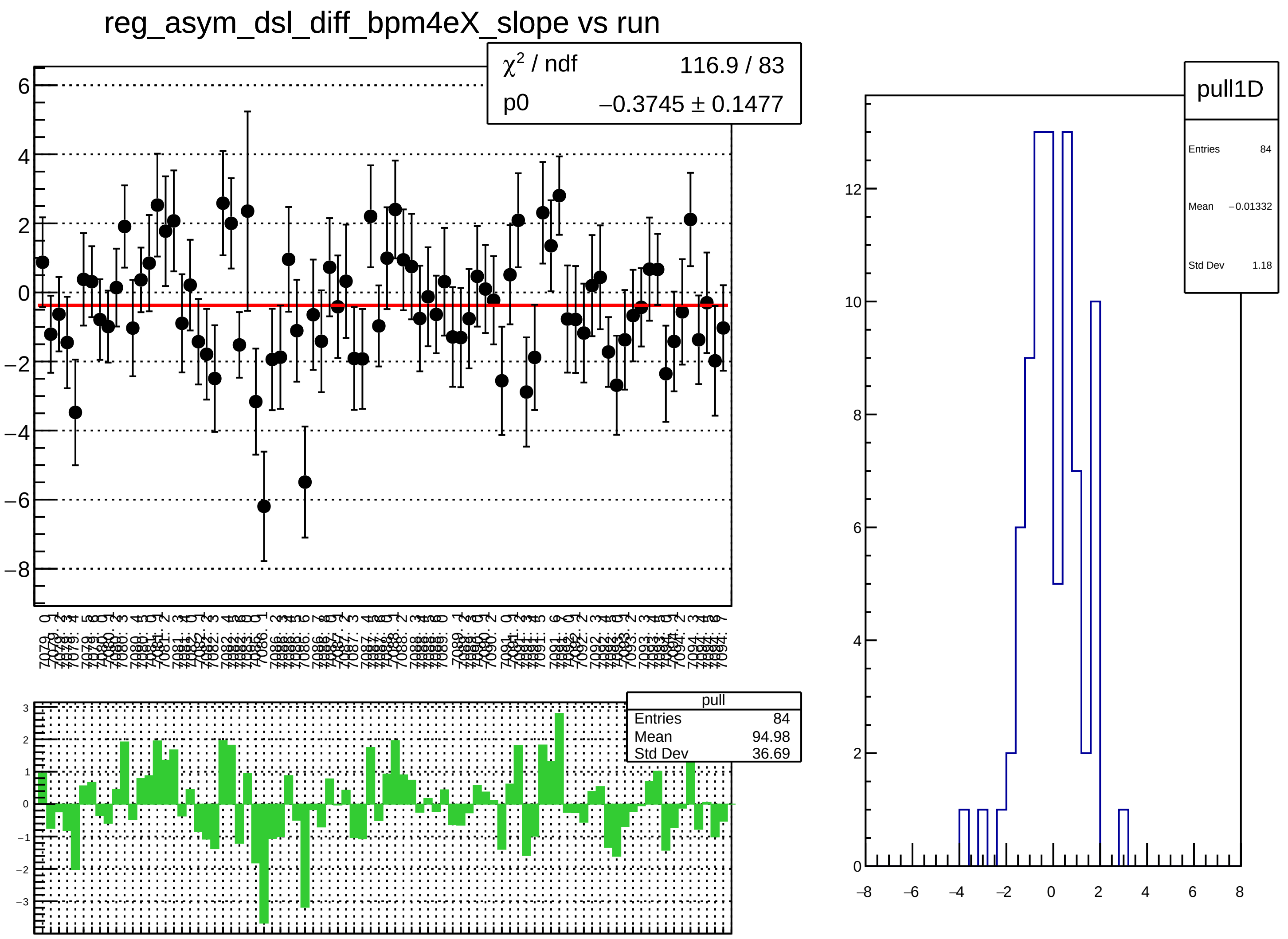
reg_asym_usr_diff_bpm12X_slope vs run
χ2 / ndf 127.8 / 83
p0 −38.21 ± 0.07513
−35
−36
−37
−38
−39
−40
pull
Entries 84
Mean −1380
Std Dev 1415
pull1D
Entries 84
Mean 0.01447
Std Dev 1.233



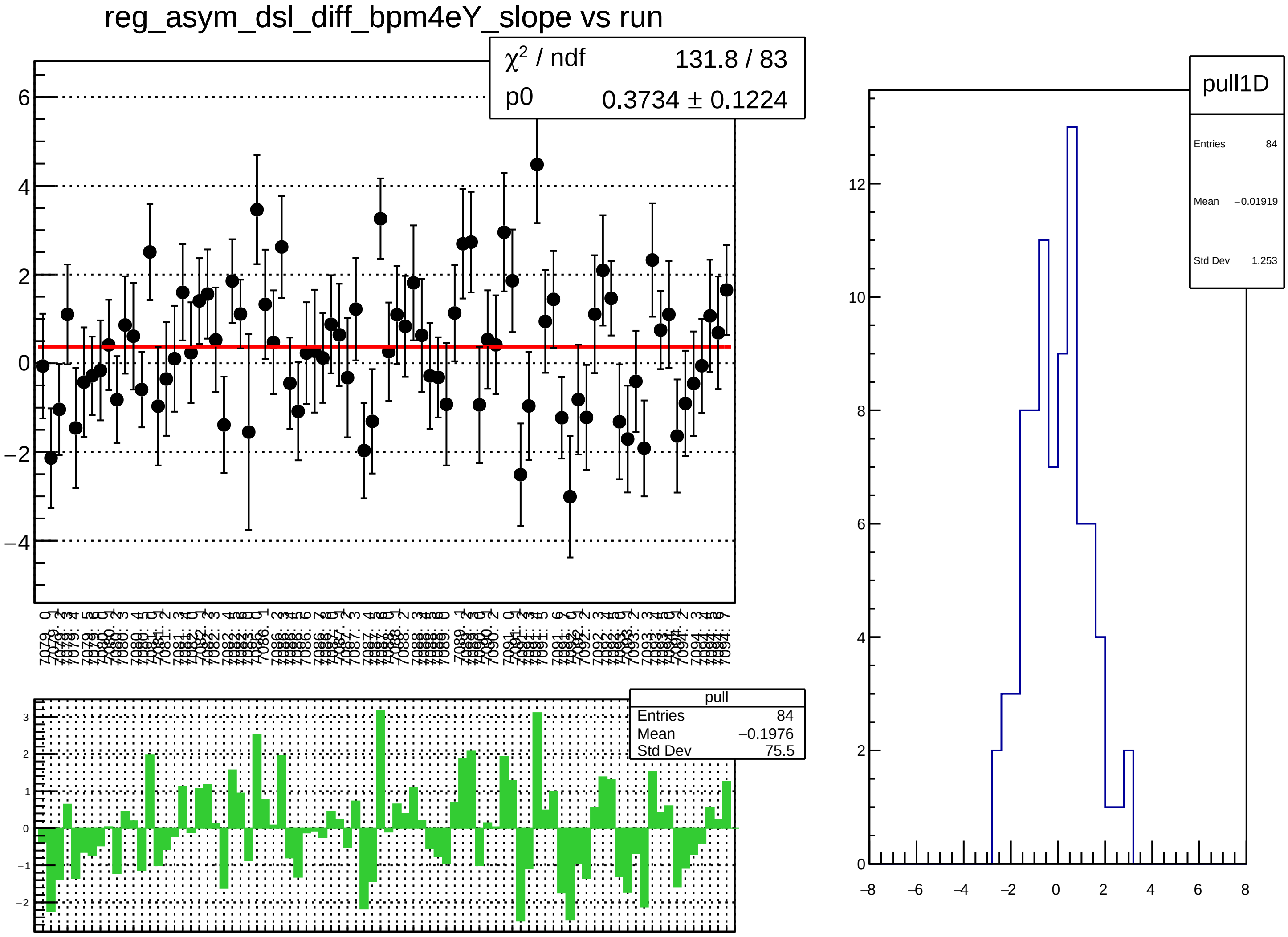
reg_asym_dsl_diff_bpm1X_slope vs run
χ^2 / ndf 130.3 / 83
p0 0.4159 ± 0.1531
pull
Entries 84
Mean 90.05
Std Dev 38.62
pull1D
Entries 84
Mean 0.01388
Std Dev 1.245



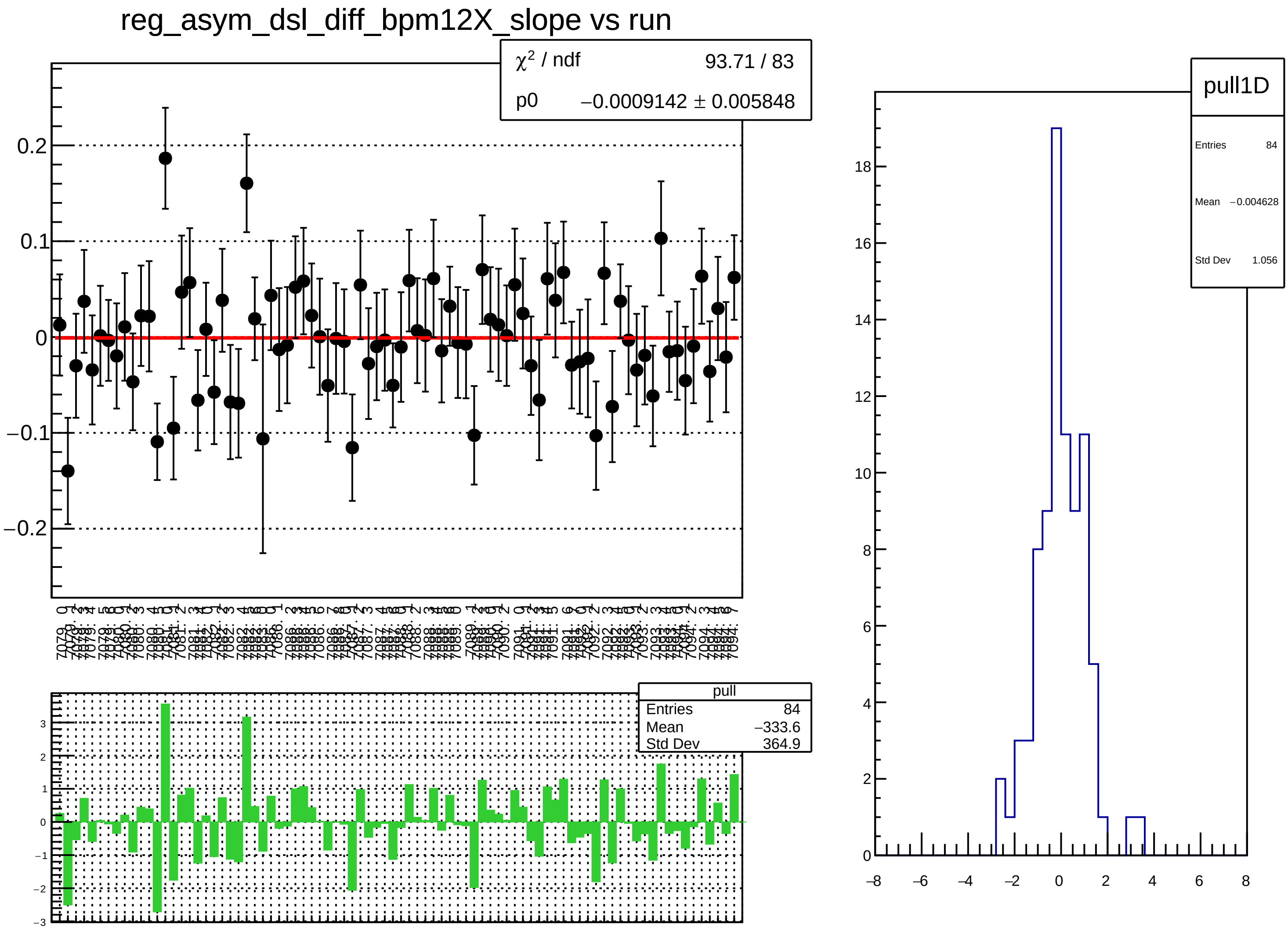
reg_asym_dsl_diff_bpm4aY_slope vs run
χ2 / ndf 135.5 / 83
p0 −0.3133 ± 0.1166
pull
Entries 84
Mean −2.766
Std Dev 71.44
pull1D
Entries 84
Mean 0.02374
Std Dev 1.27



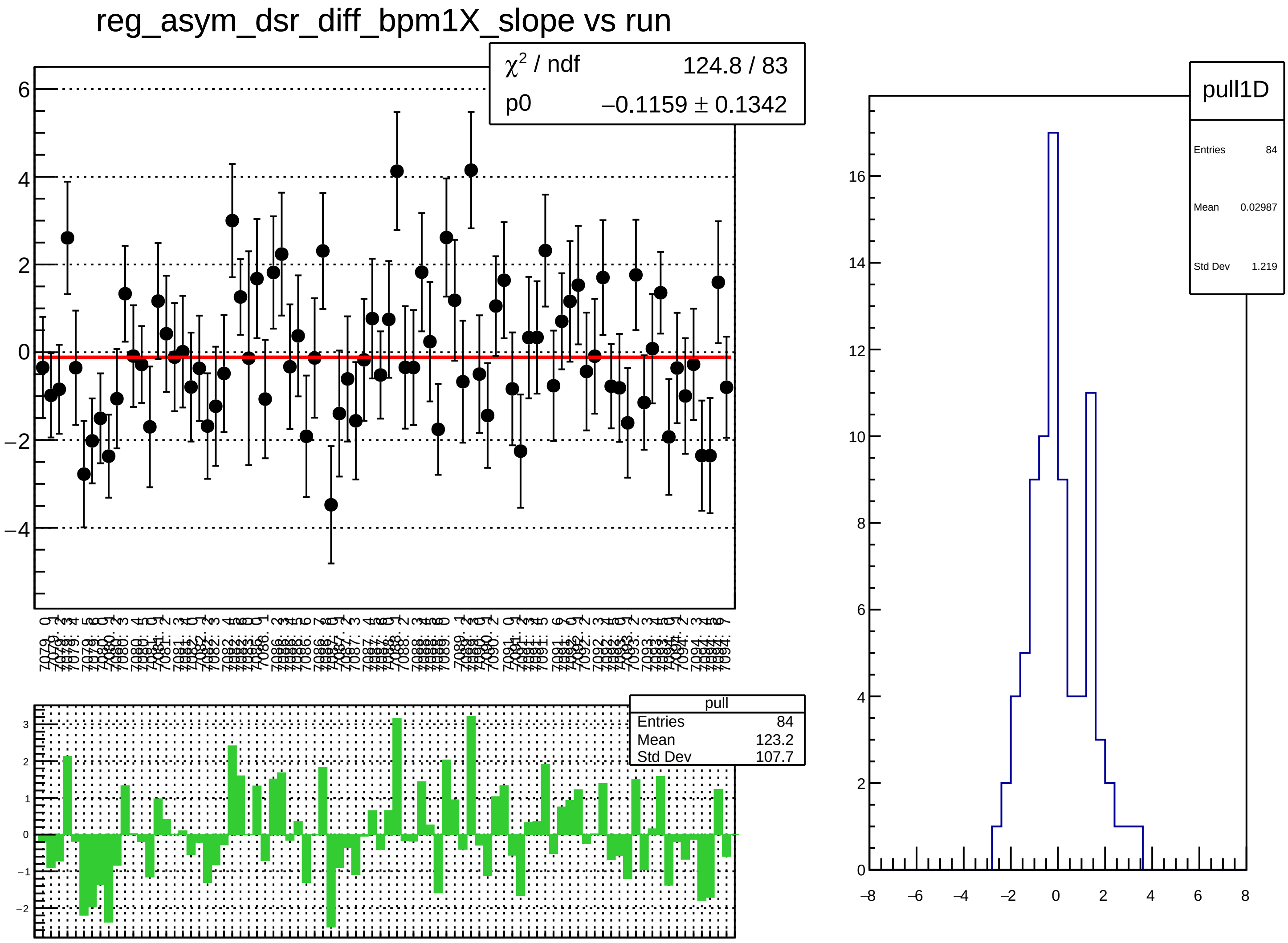
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 116.9 / 83
p0 −0.3745 ± 0.1477
pull
Entries 84
Mean 94.98
Std Dev 36.69
pull1D
Entries 84
Mean −0.01332
Std Dev 1.18



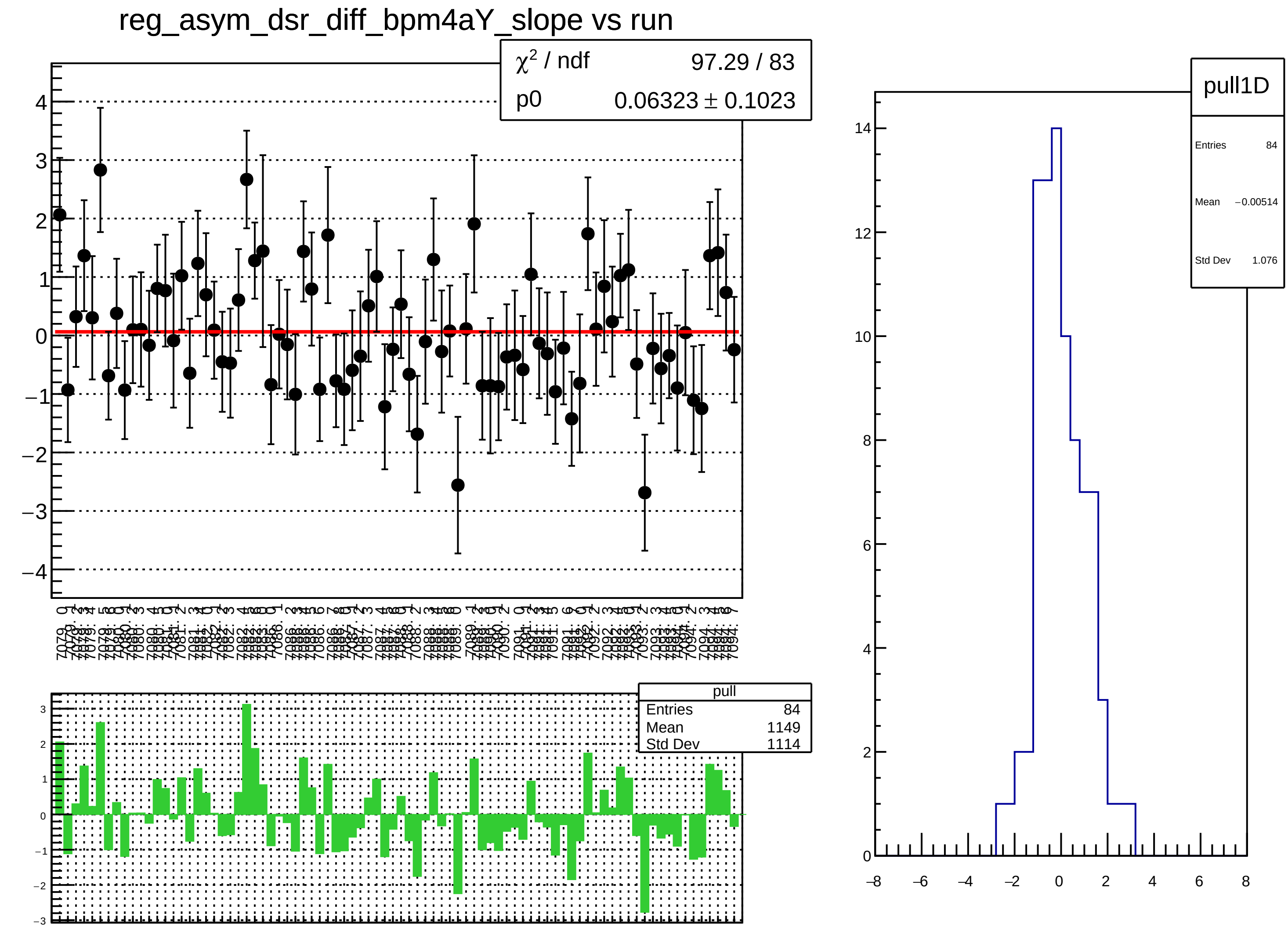
reg_asym_dsl_diff_bpm4eY_slope vs run
χ2 / ndf 131.8 / 83
p0 0.3734 ± 0.1224
pull
Entries 84
Mean −0.1976
Std Dev 75.5
pull1D
Entries 84
Mean −0.01919
Std Dev 1.253



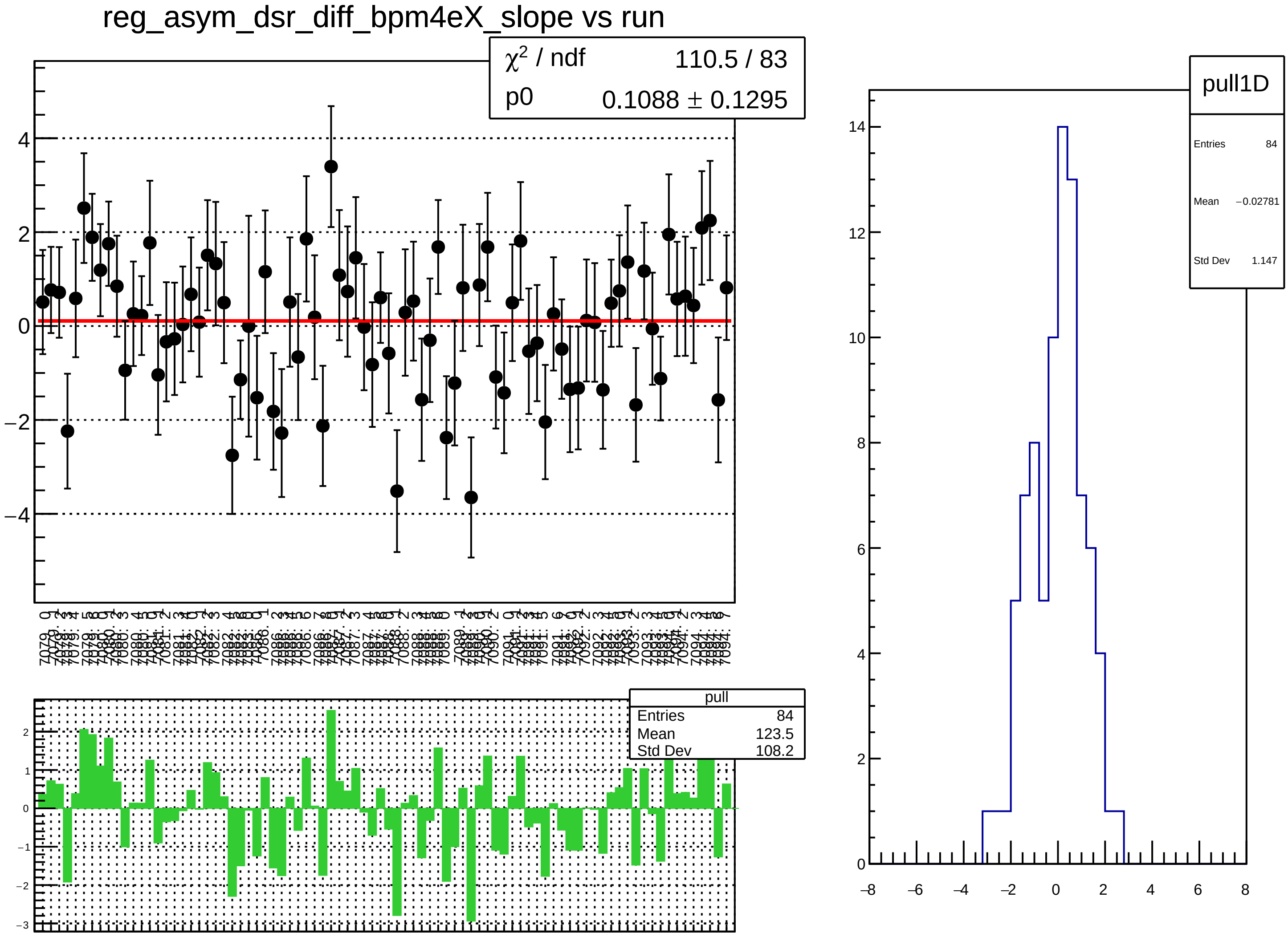
reg_asym_dsl_diff_bpm12X_slope vs run
χ^2 / ndf 93.71 / 83
p0 −0.0009142 ± 0.005848
pull
Entries 84
Mean −333.6
Std Dev 364.9
pull1D
Entries 84
Mean −0.004628
Std Dev 1.056



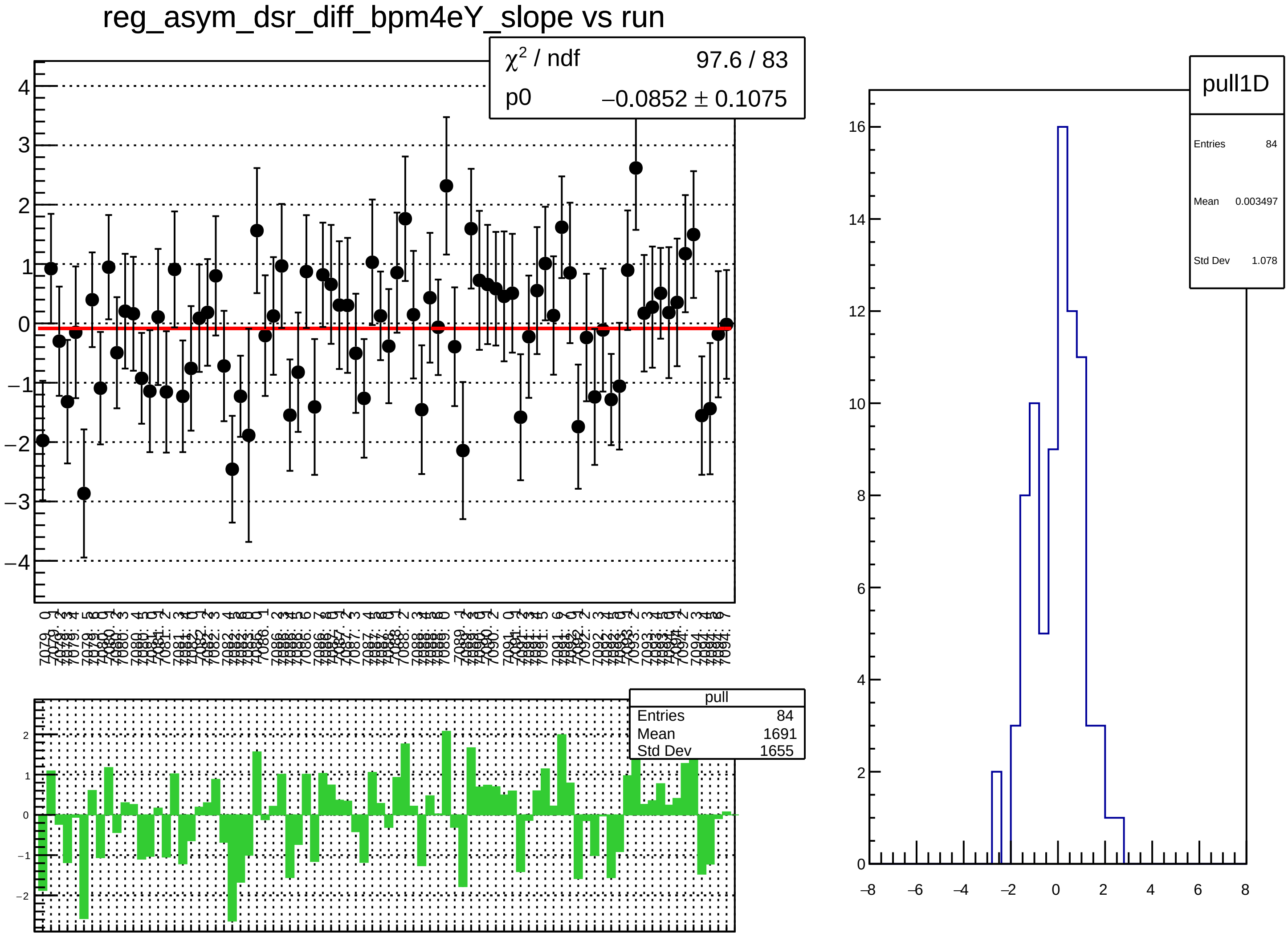
reg_asym_dsr_diff_bpm1X_slope vs run
χ2 / ndf 124.8 / 83
p0 −0.1159 ± 0.1342
pull
Entries 84
Mean 123.2
Std Dev 107.7
pull1D
Entries 84
Mean 0.02987
Std Dev 1.219



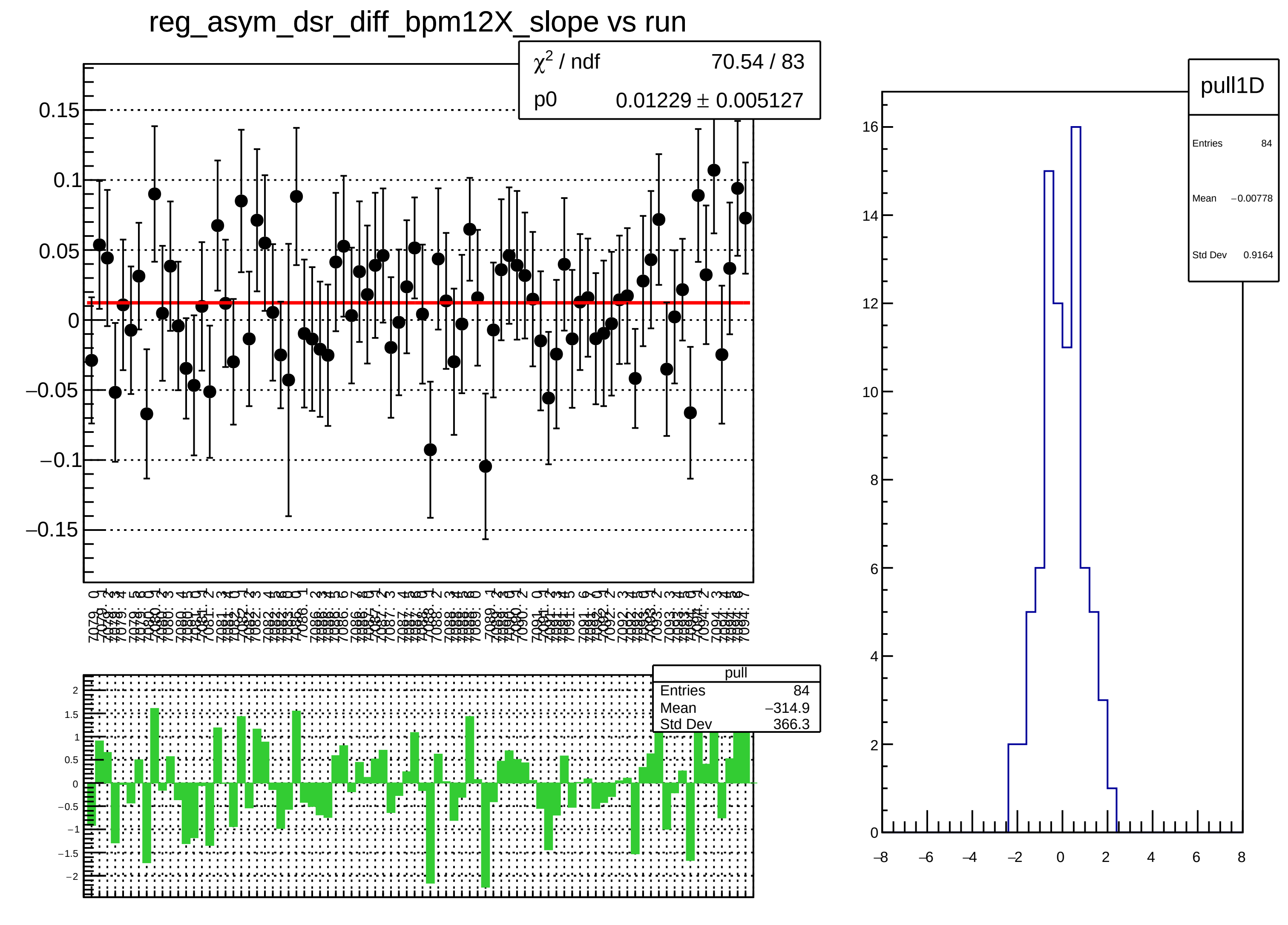
reg_asym_dsr_diff_bpm4aY_slope vs run
χ2 / ndf 97.29 / 83
p0 0.06323 ± 0.1023
pull
Entries 84
Mean 1149
Std Dev 1114
pull1D
Entries 84
Mean −0.00514
Std Dev 1.076

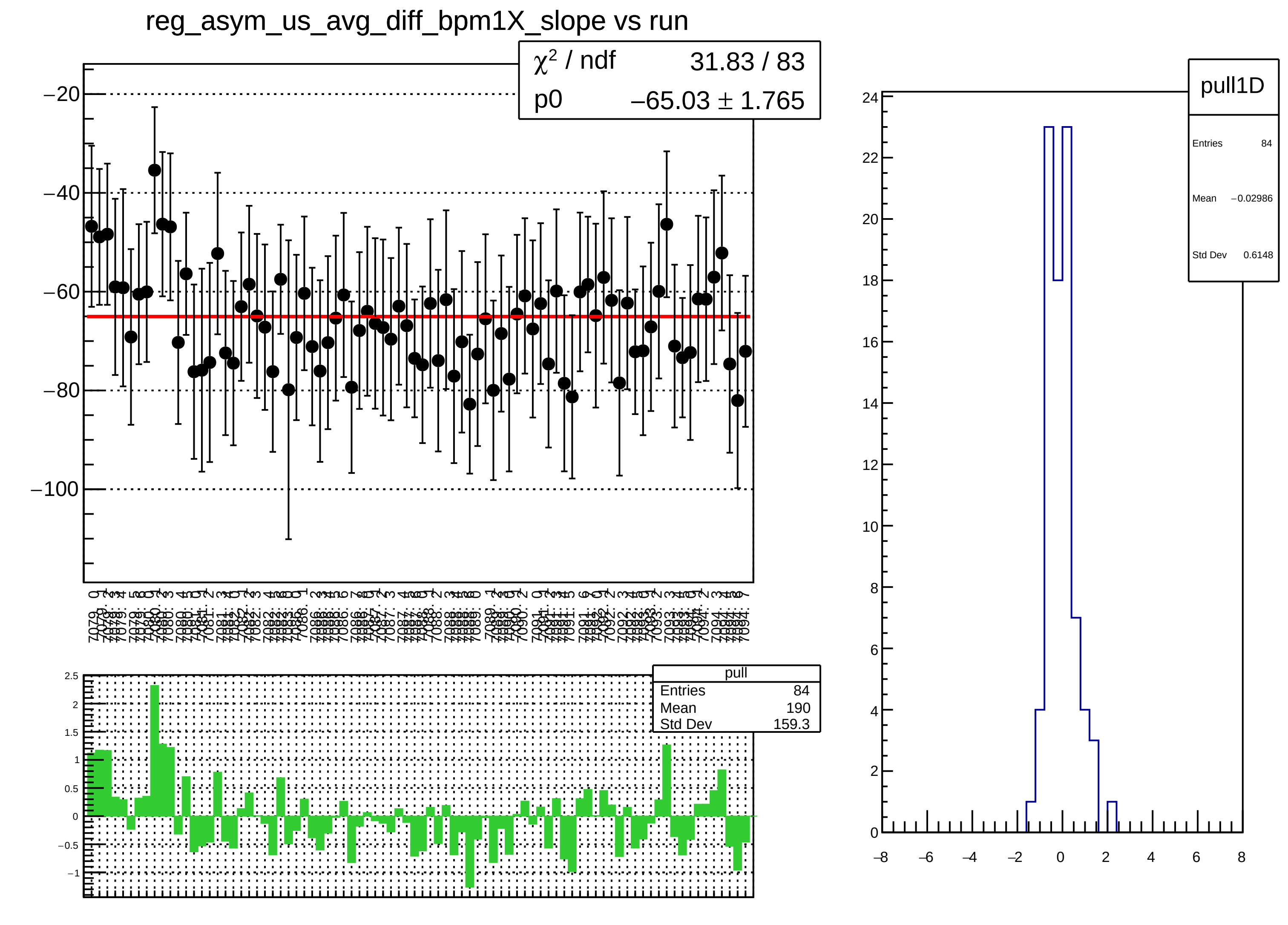


reg_asym_dsr_diff_bpm4eX_slope vs run
χ2 / ndf 110.5 / 83
p0 0.1088 ± 0.1295
pull
Entries 84
Mean 123.5
Std Dev 108.2
pull1D
Entries 84
Mean −0.02781
Std Dev 1.147

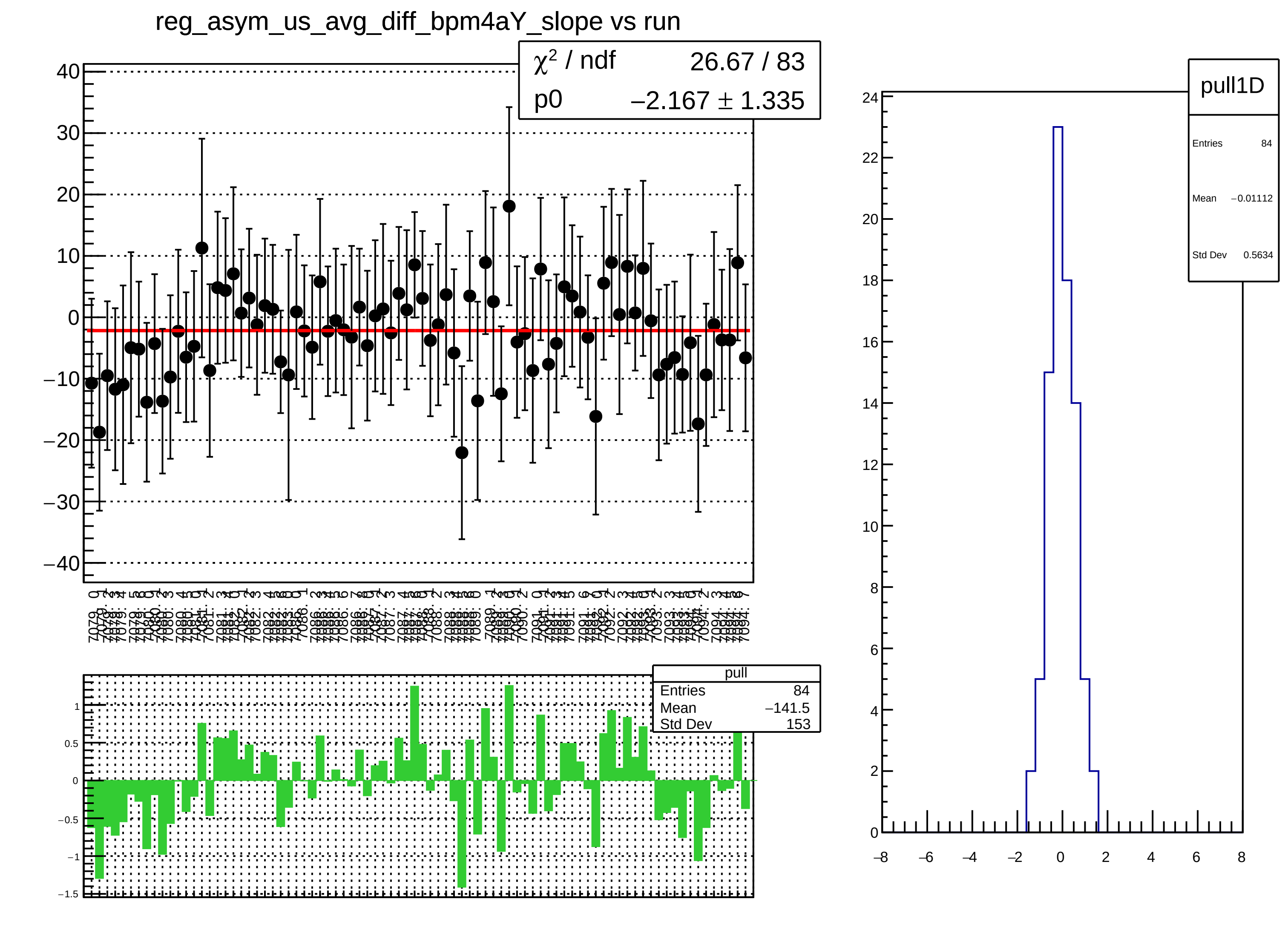


reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 97.6 / 83
p0 −0.0852 ± 0.1075
pull
Entries 84
Mean 1691
Std Dev 1655
pull1D
Entries 84
Mean 0.003497
Std Dev 1.078

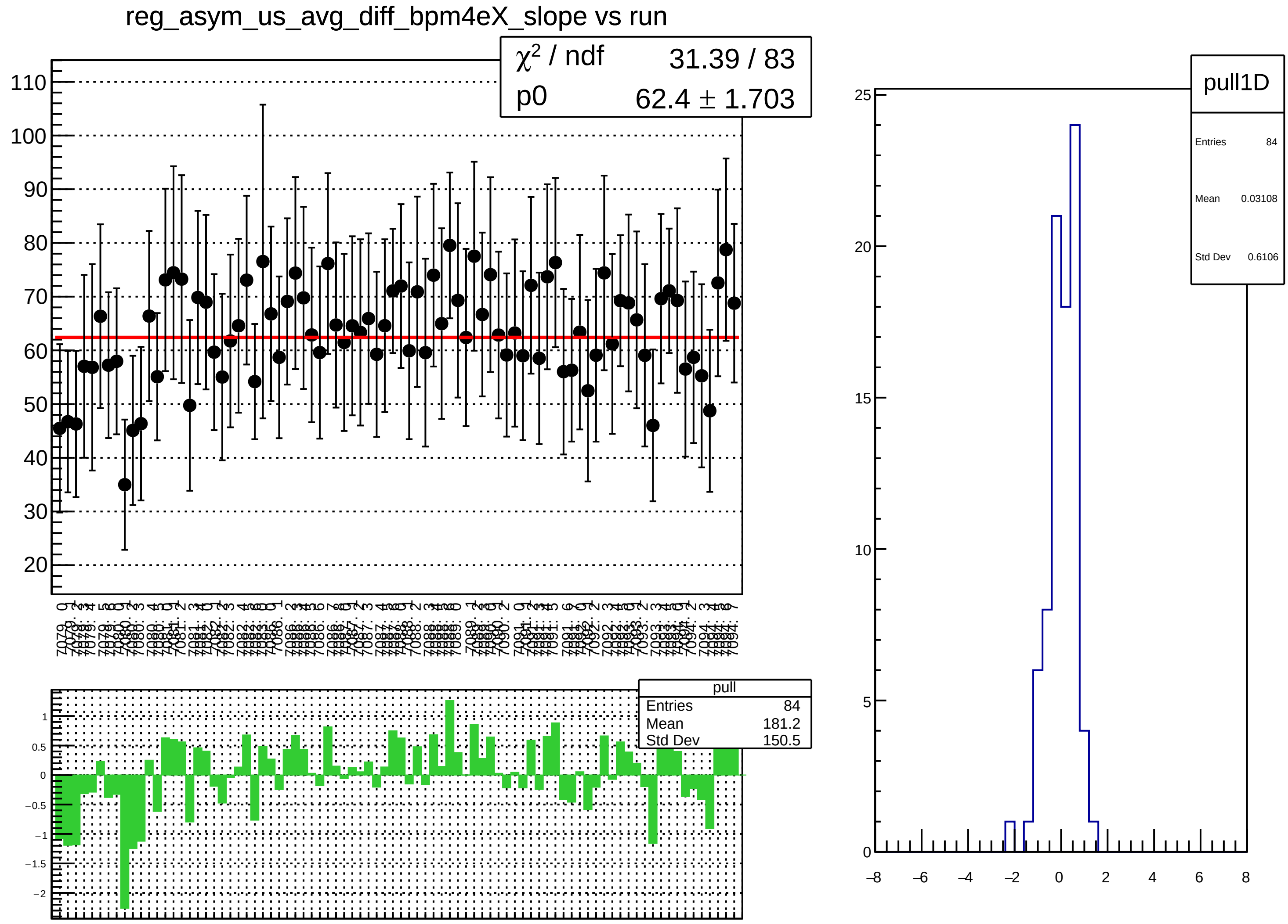

reg_asym_dsr_diff_bpm12X_slope vs run
χ2 / ndf 70.54 / 83
p0 0.01229 ± 0.005127
pull
Entries 84
Mean −314.9
Std Dev 366.3
pull1D
Entries 84
Mean −0.00778
Std Dev 0.9164

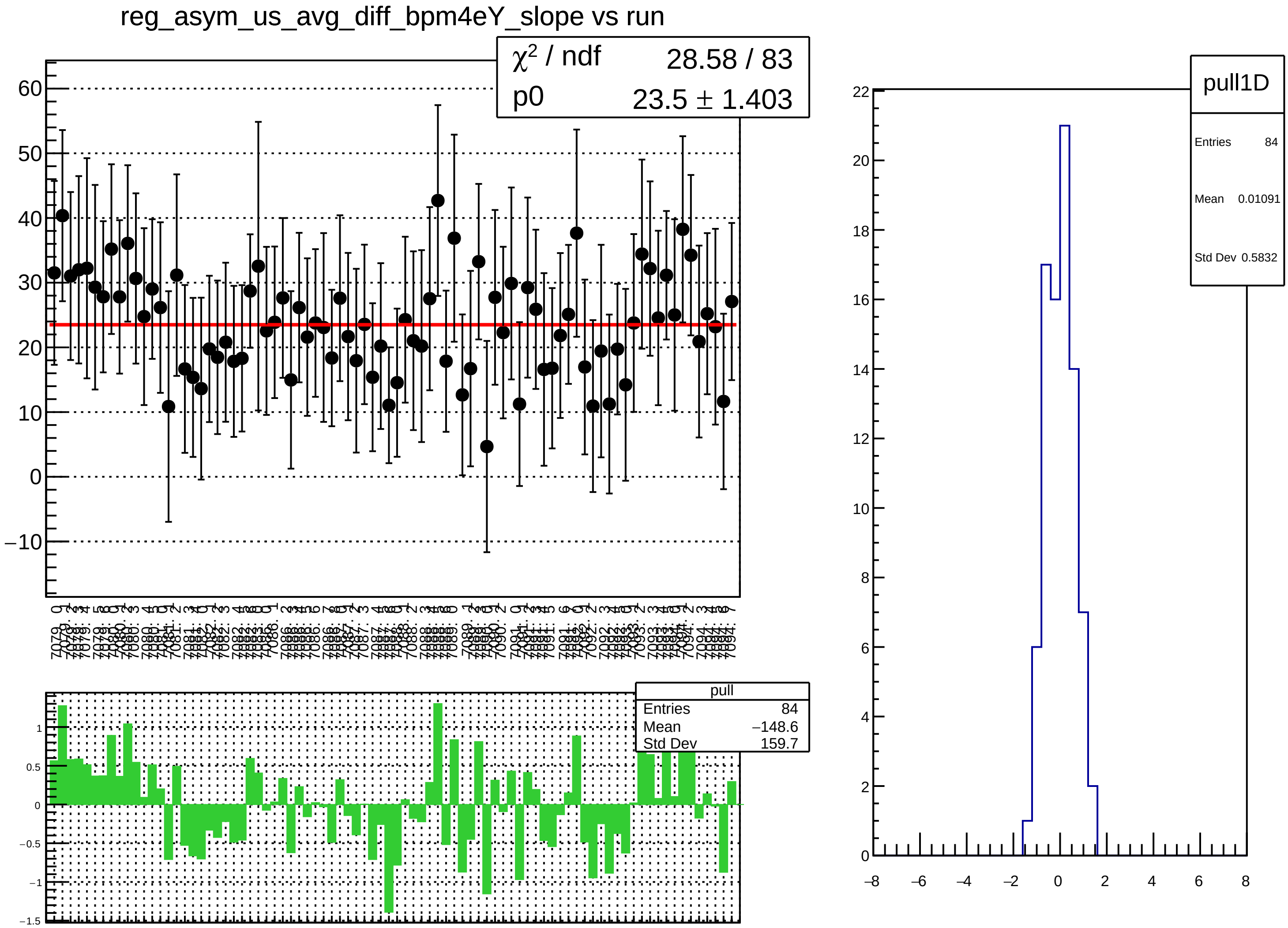


reg_asym_us_avg_diff_bpm1X_slope vs run
χ2 / ndf 31.83 / 83
p0 −65.03 ± 1.765
−20
−40
−60
−80
−100
pull
Entries 84
Mean 190
Std Dev 159.3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.02986
Std Dev 0.6148
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

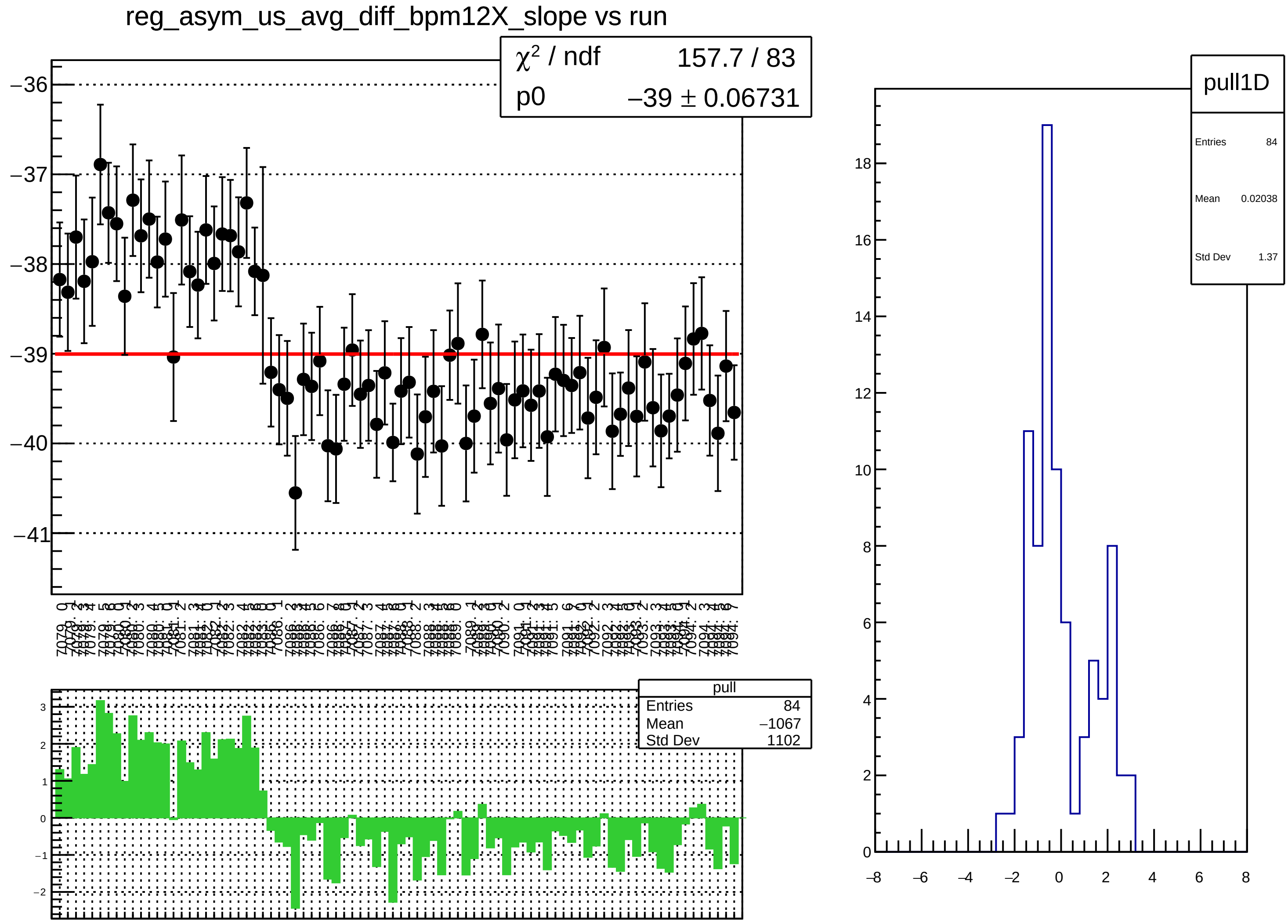


reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 26.67 / 83
p0 −2.167 ± 1.335
pull
Entries 84
Mean −141.5
Std Dev 153
pull1D
Entries 84
Mean −0.01112
Std Dev 0.5634

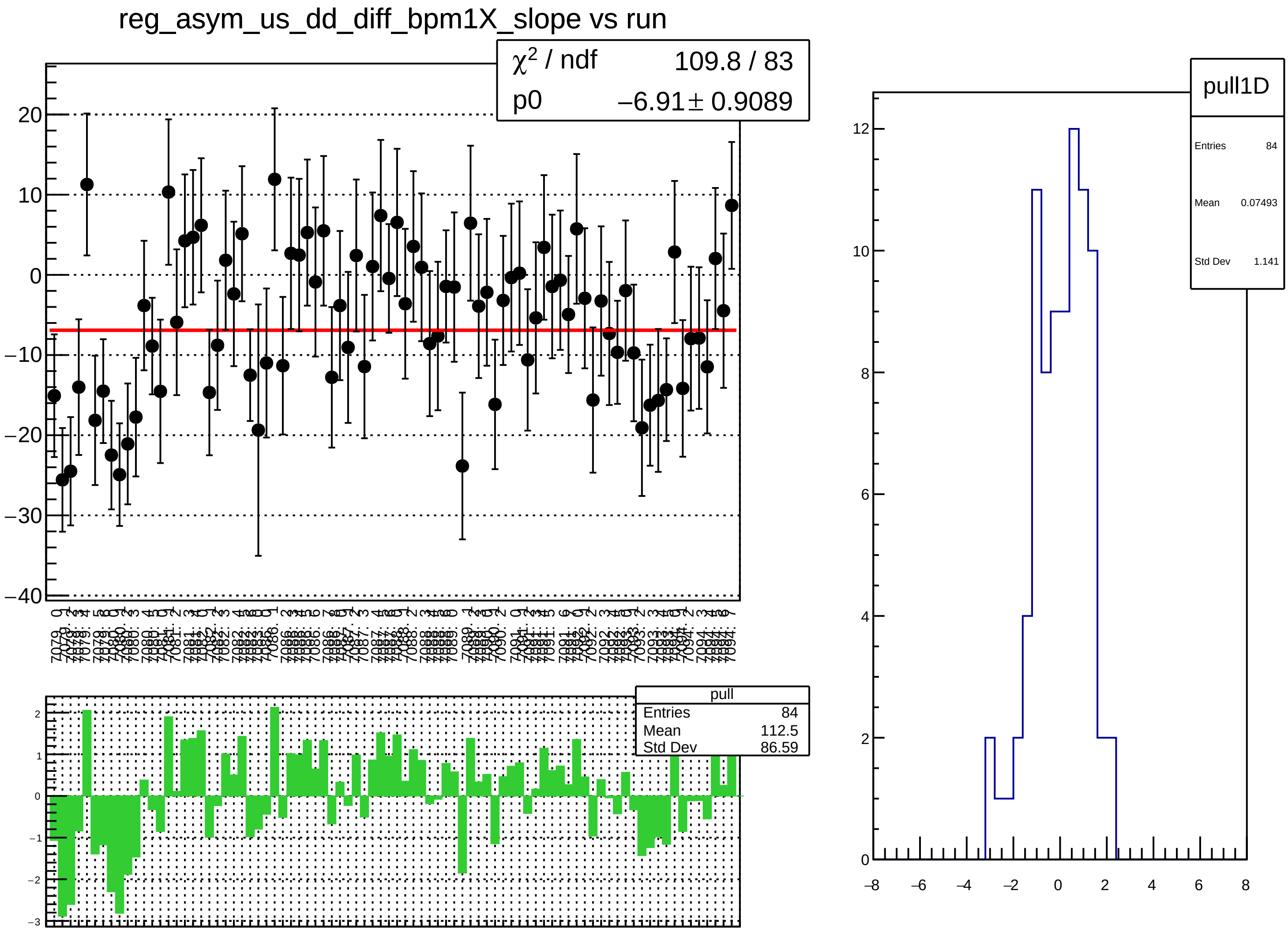

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 31.39 / 83
p0 62.4 ± 1.703
pull
Entries 84
Mean 181.2
Std Dev 150.5
pull1D
Entries 84
Mean 0.03108
Std Dev 0.6106



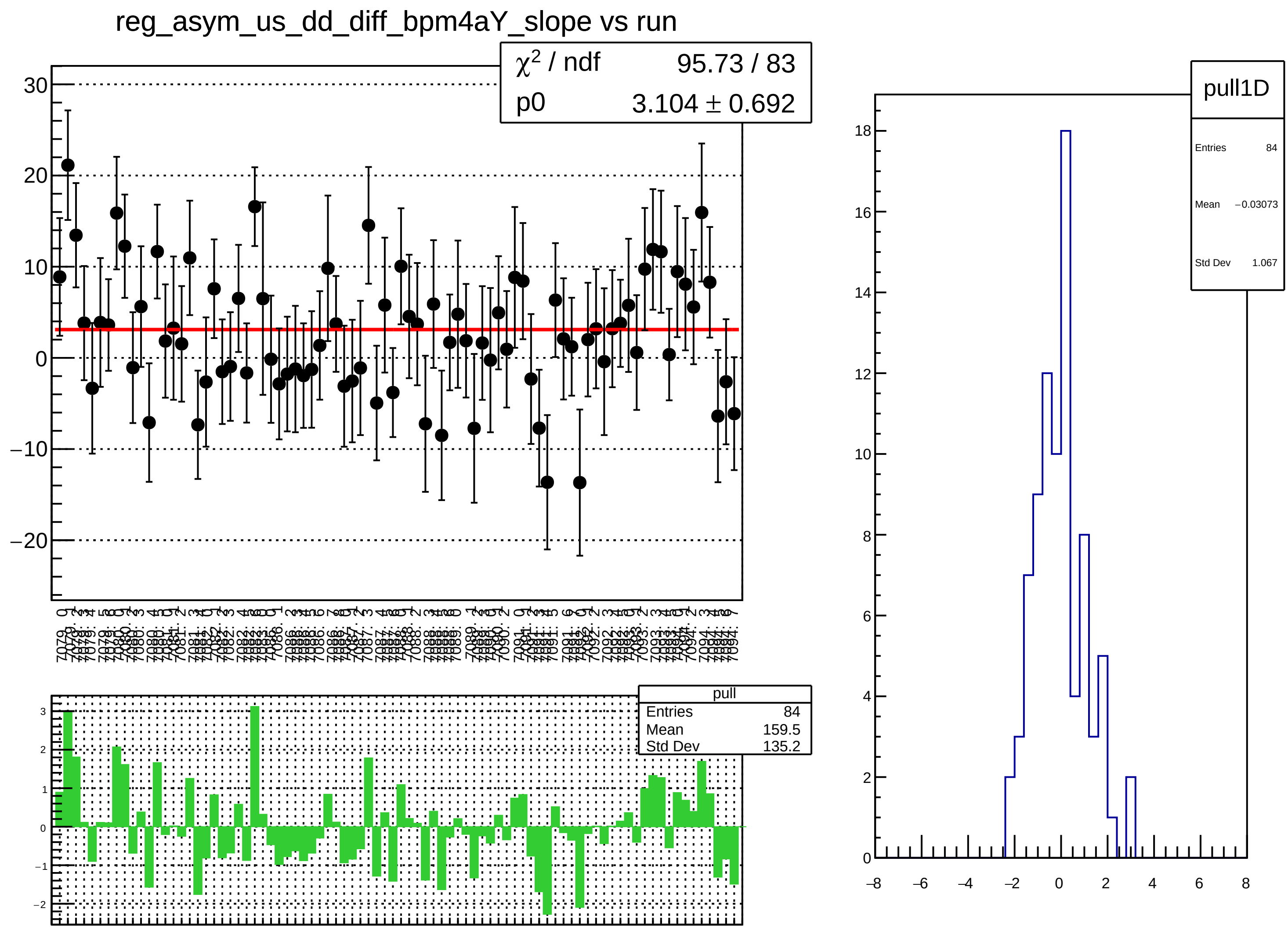
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ2 / ndf 28.58 / 83
p0 23.5 ± 1.403
pull
Entries 84
Mean −148.6
Std Dev 159.7
pull1D
Entries 84
Mean 0.01091
Std Dev 0.5832



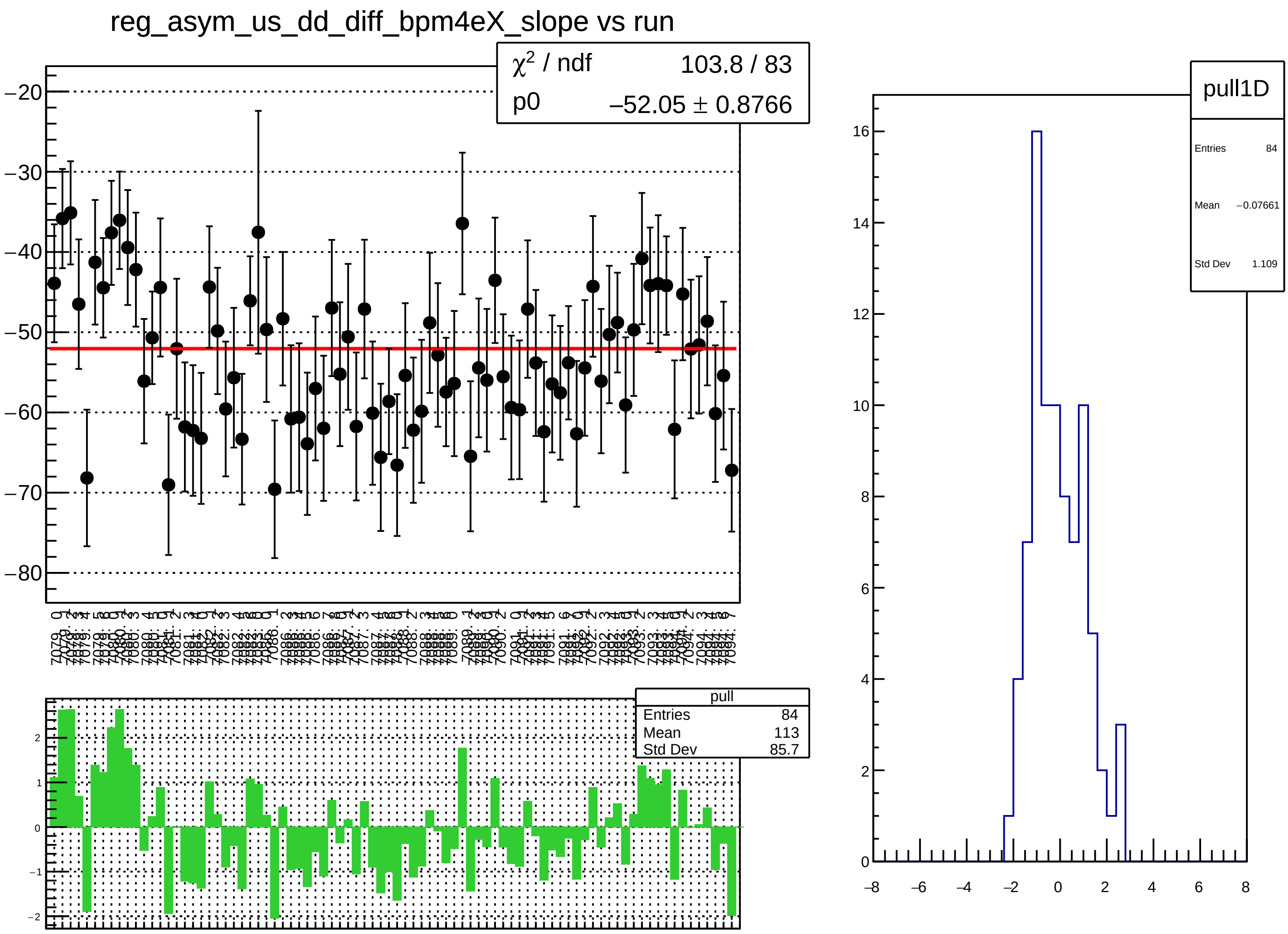
reg_asym_us_avg_diff_bpm12X_slope vs run
χ2 / ndf 157.7 / 83
p0 −39 ± 0.06731
pull
Entries 84
Mean −1067
Std Dev 1102
pull1D
Entries 84
Mean 0.02038
Std Dev 1.37



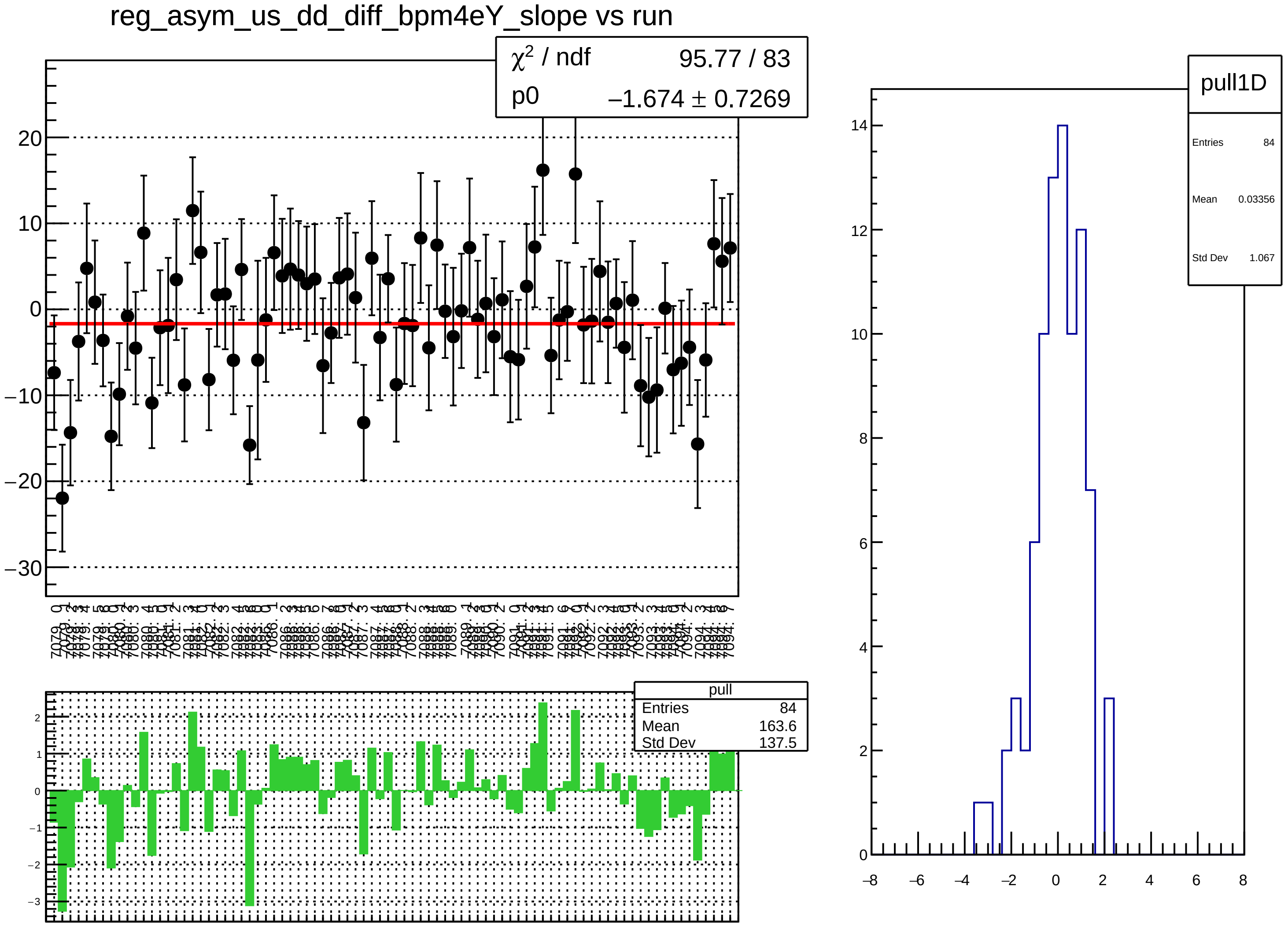
reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 109.8 / 83
p0 −6.91 ± 0.9089
pull
Entries 84
Mean 112.5
Std Dev 86.59
pull1D
Entries 84
Mean 0.07493
Std Dev 1.141



reg_asym_us_dd_diff_bpm4aY_slope vs run
χ2 / ndf 95.73 / 83
p0 3.104 ± 0.692
pull
Entries 84
Mean 159.5
Std Dev 135.2
pull1D
Entries 84
Mean −0.03073
Std Dev 1.067

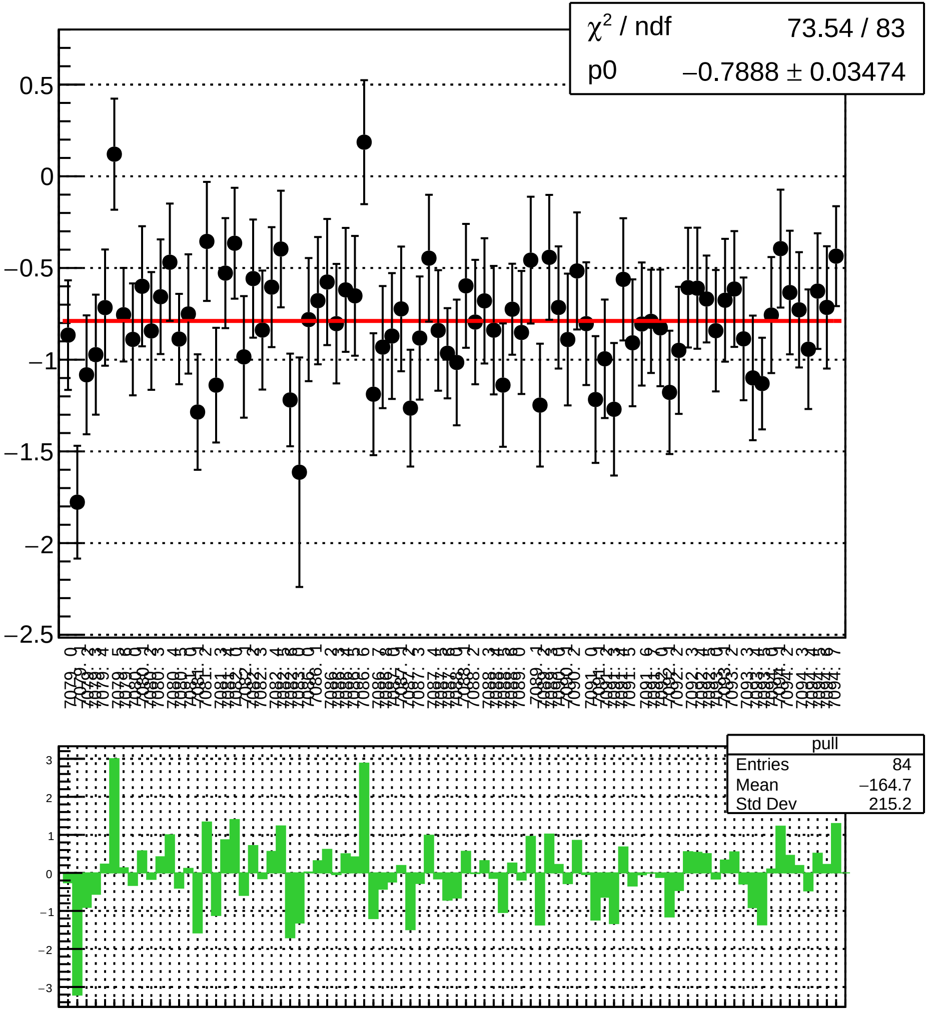


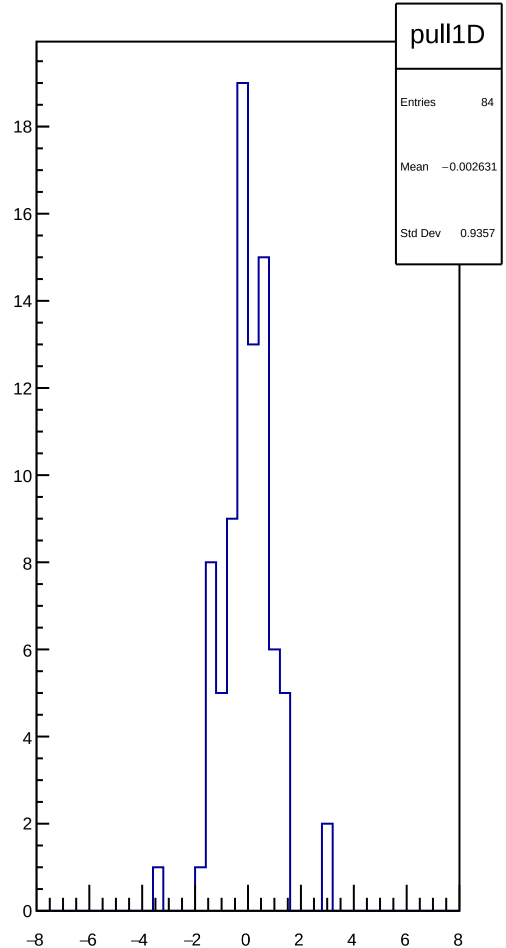
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 103.8 / 83
p0 −52.05 ± 0.8766
pull
Entries 84
Mean 113
Std Dev 85.7
pull1D
Entries 84
Mean −0.07661
Std Dev 1.109

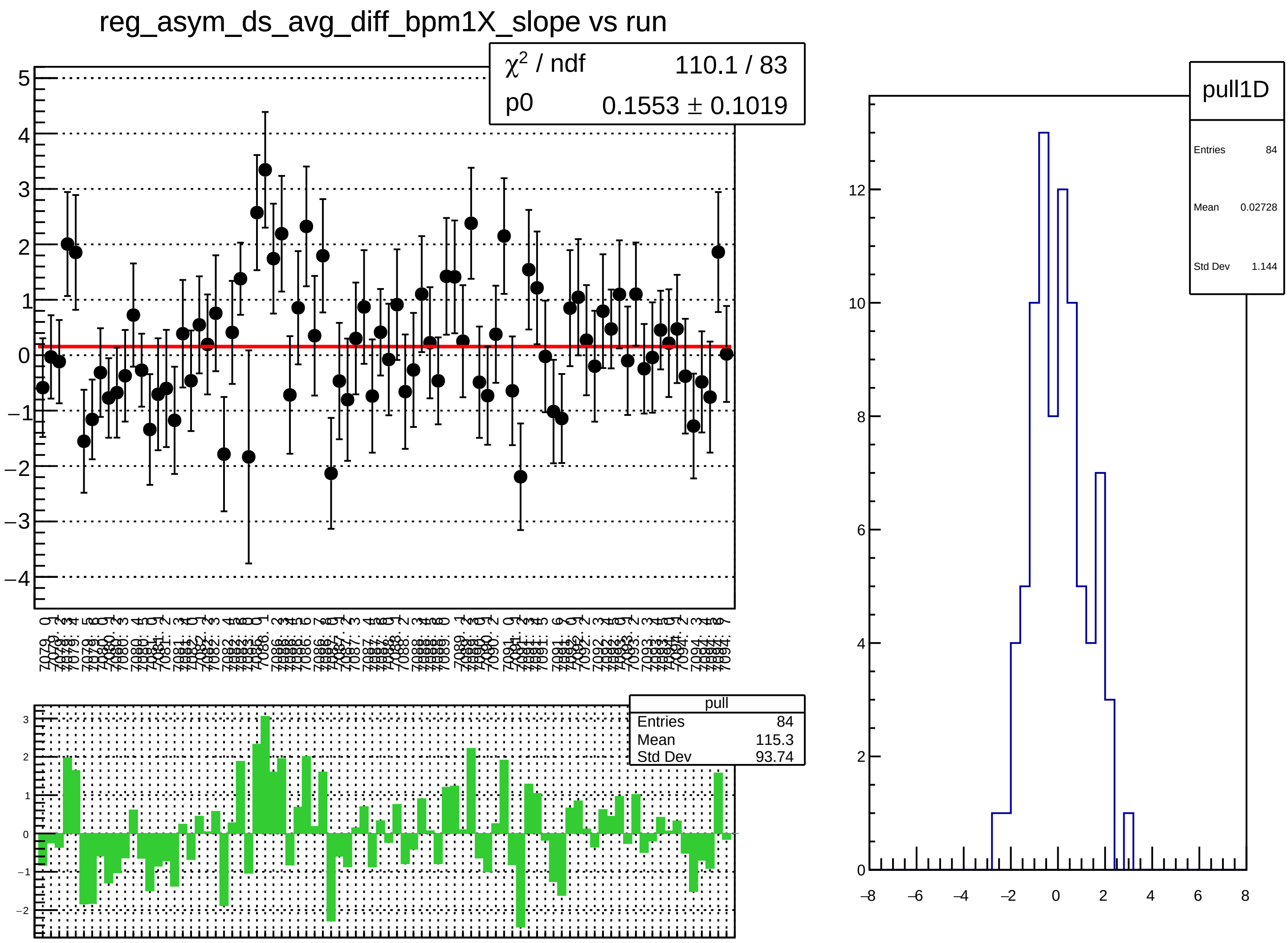


reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 95.77 / 83
p0 −1.674 ± 0.7269
pull
Entries 84
Mean 163.6
Std Dev 137.5
pull1D
Entries 84
Mean 0.03356
Std Dev 1.067

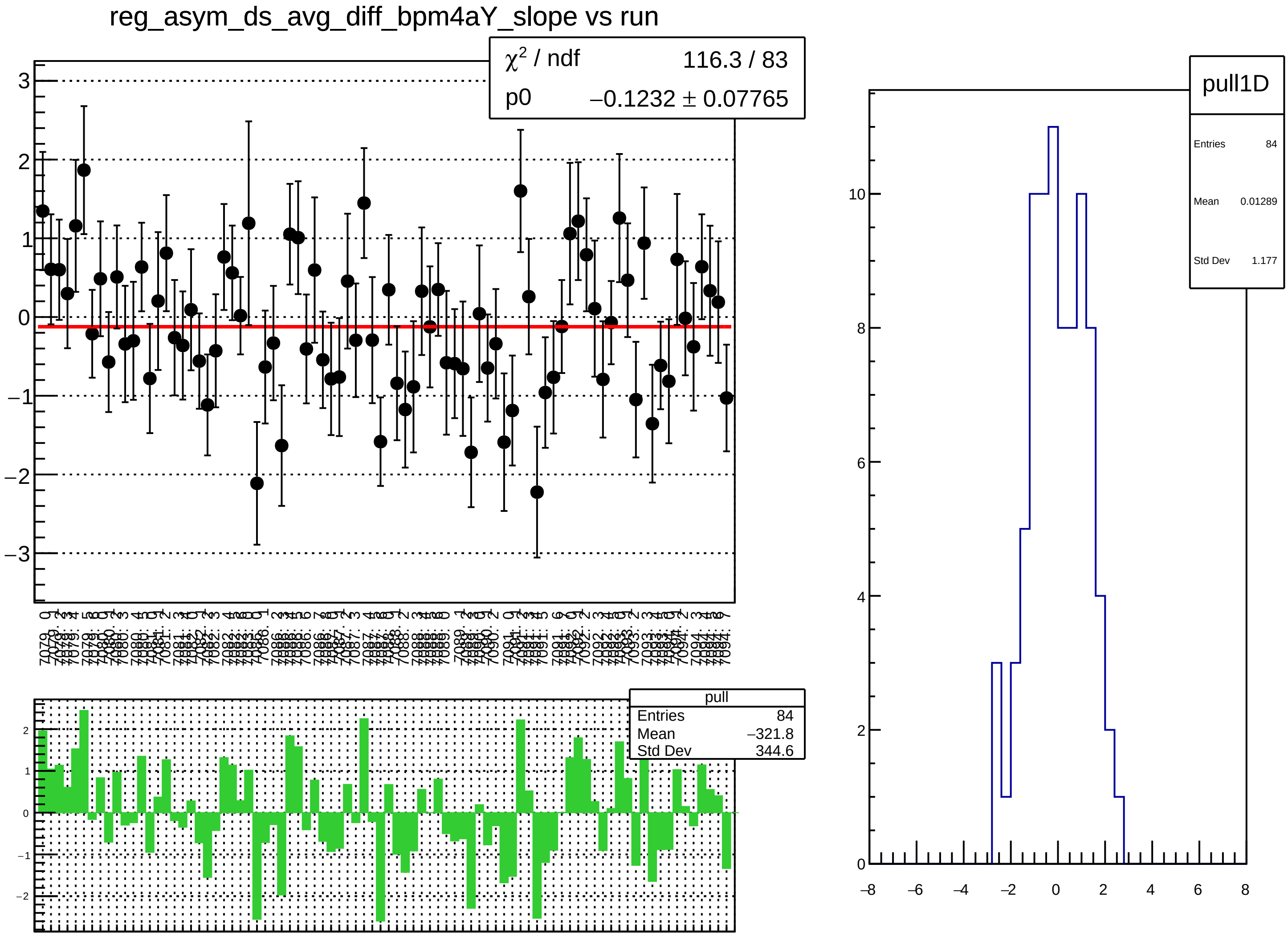
reg_asym_us_dd_diff_bpm12X_slope vs run

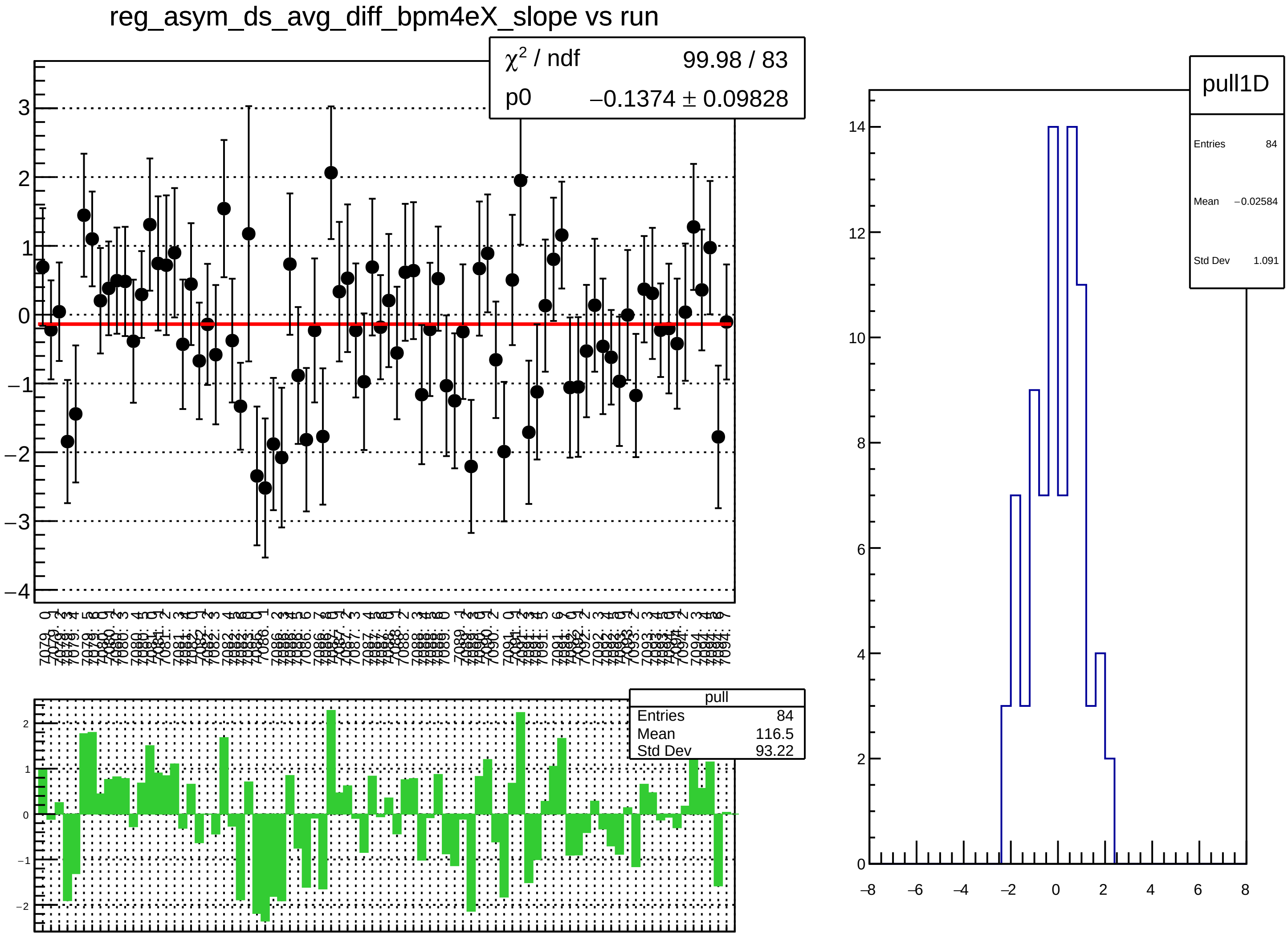


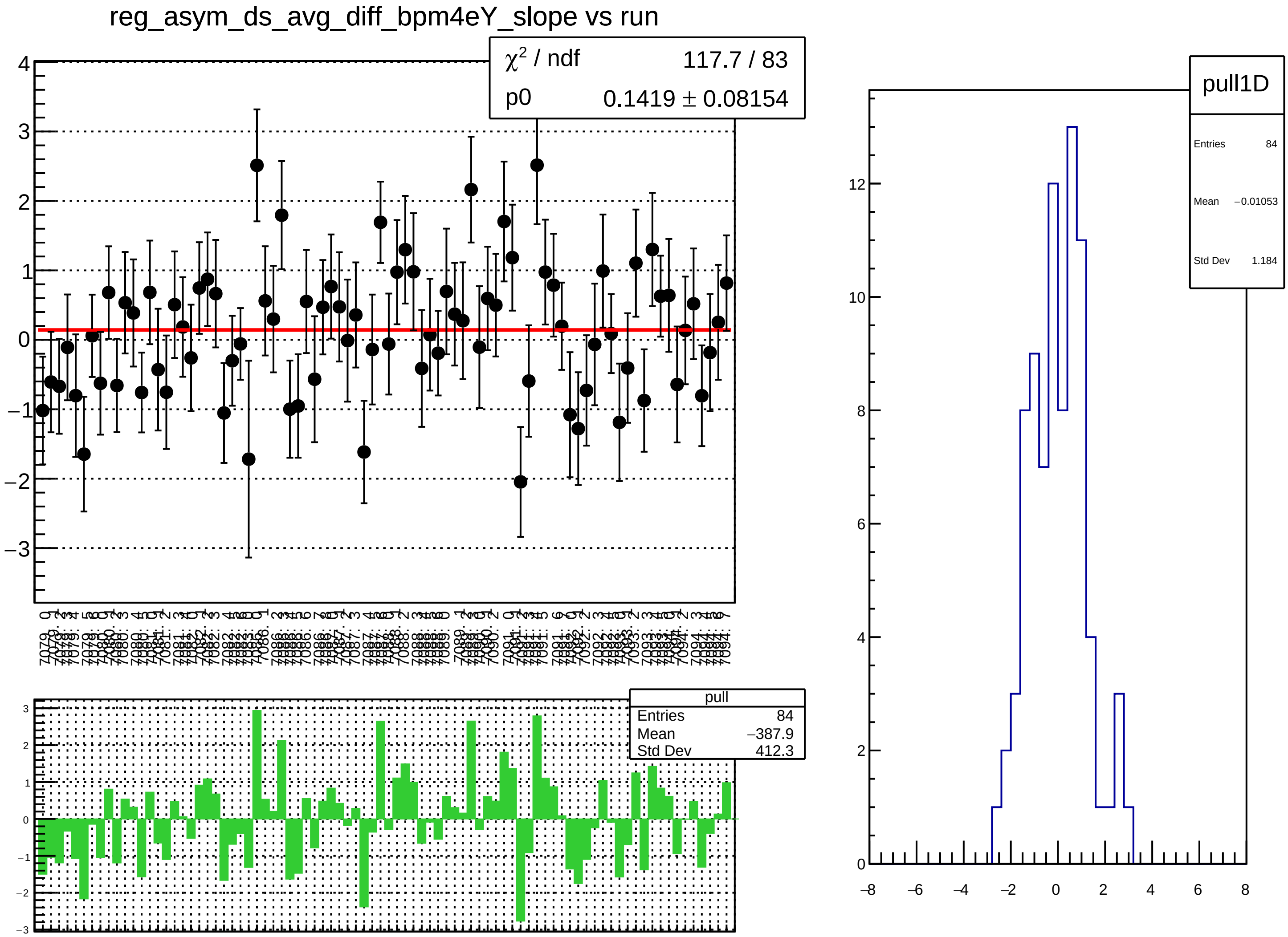




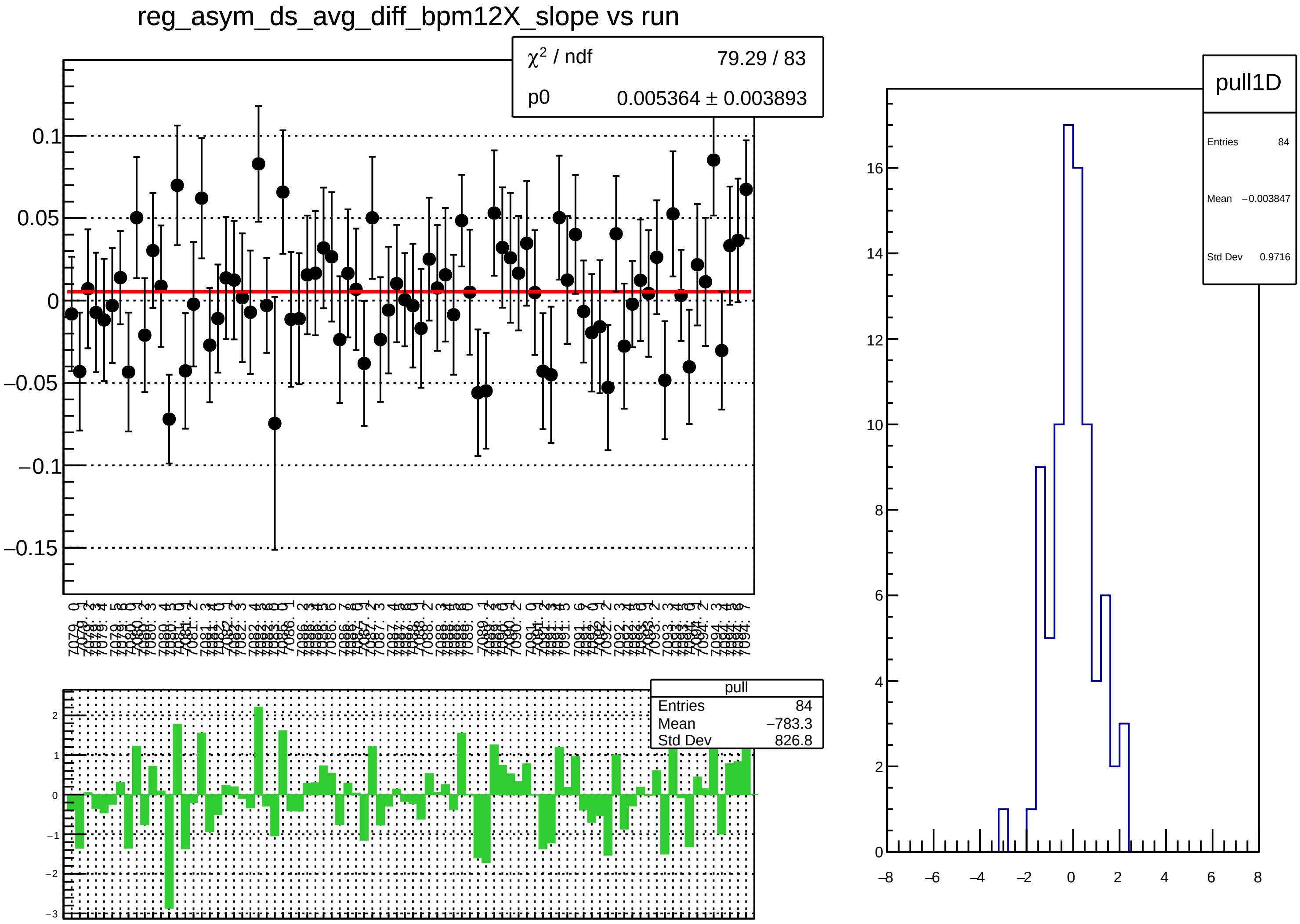
reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 110.1 / 83
p0 0.1553 ± 0.1019
pull
Entries 84
Mean 115.3
Std Dev 93.74
pull1D
Entries 84
Mean 0.02728
Std Dev 1.144


reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 116.3 / 83
p0 −0.1232 ± 0.07765
pull
Entries 84
Mean −321.8
Std Dev 344.6
pull1D
Entries 84
Mean 0.01289
Std Dev 1.177

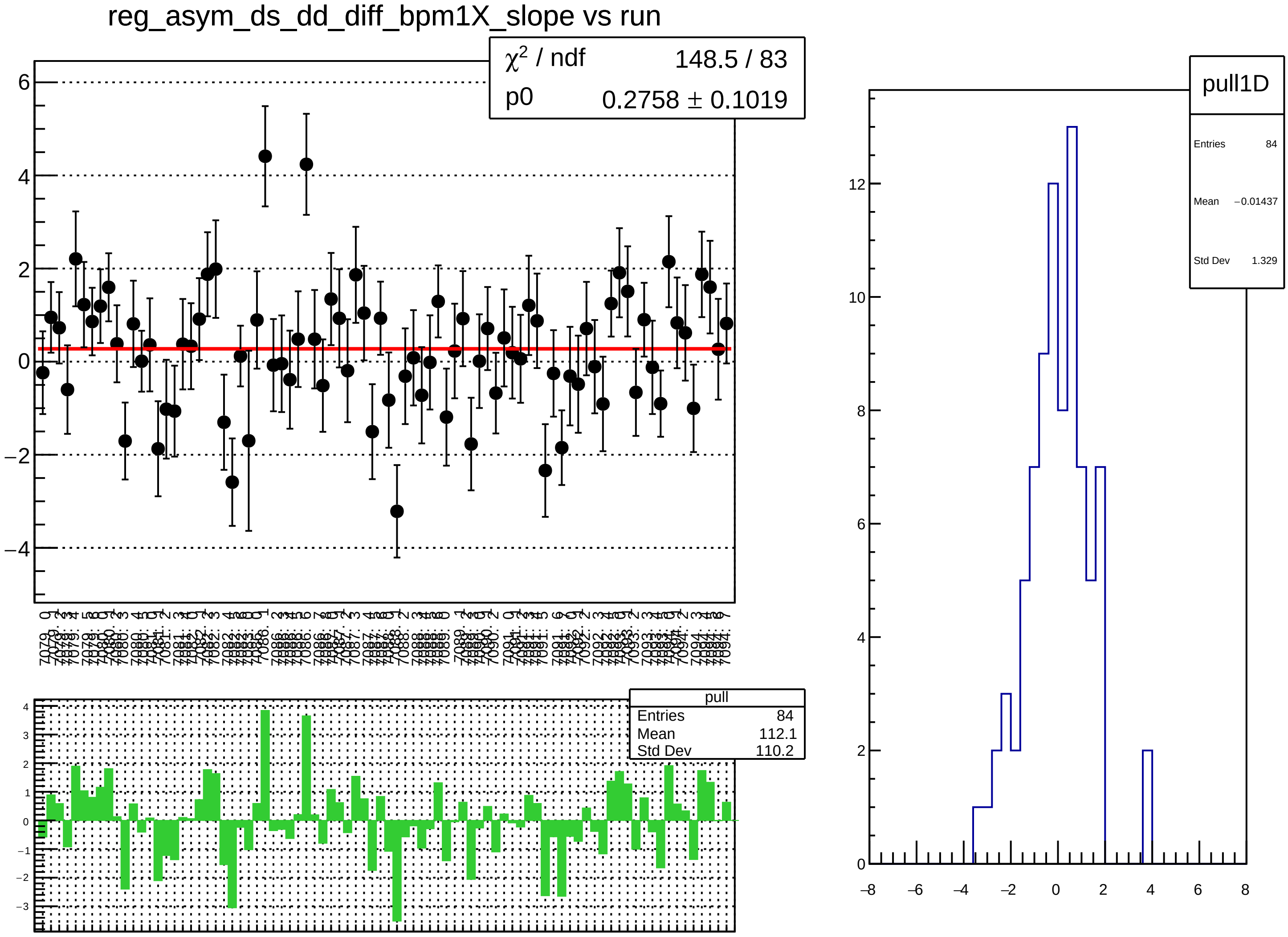

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 99.98 / 83
p0 −0.1374 ± 0.09828
pull
Entries 84
Mean 116.5
Std Dev 93.22
pull1D
Entries 84
Mean −0.02584
Std Dev 1.091

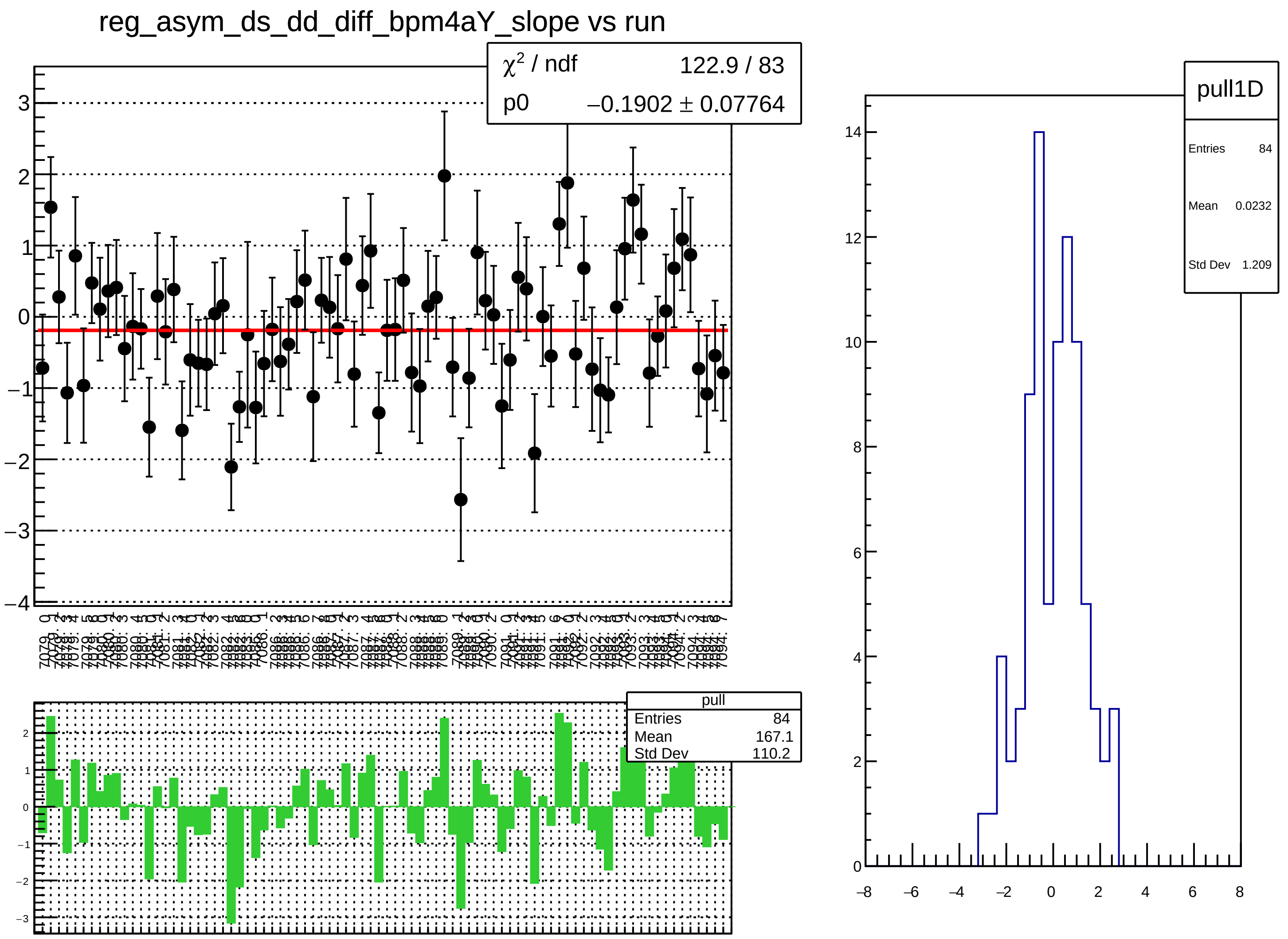


reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 117.7 / 83
p0 0.1419 ± 0.08154
pull
Entries 84
Mean −387.9
Std Dev 412.3
pull1D
Entries 84
Mean −0.01053
Std Dev 1.184

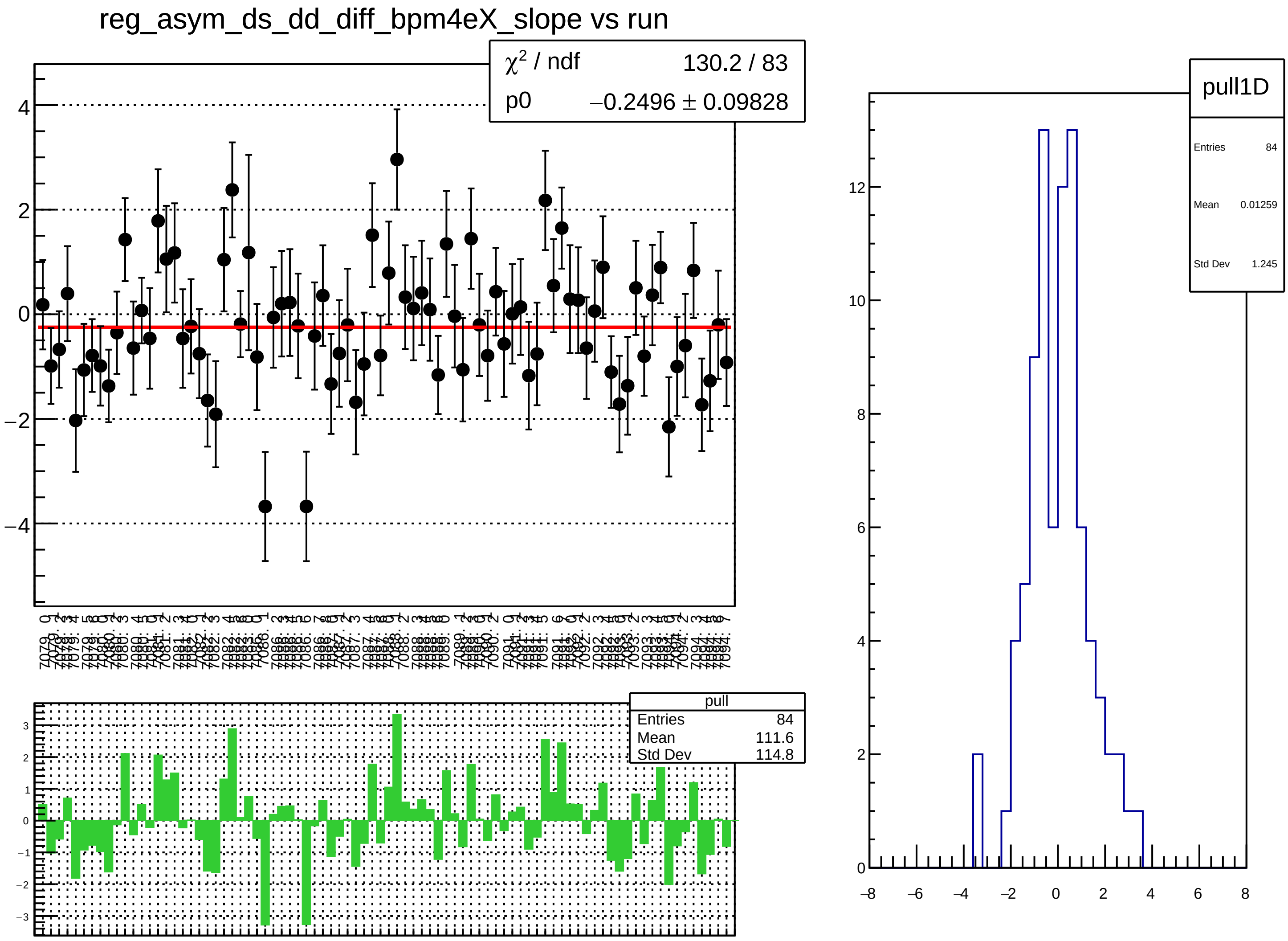


reg_asym_ds_avg_diff_bpm12X_slope vs run
χ2 / ndf 79.29 / 83
p0 0.005364 ± 0.003893
pull
Entries 84
Mean −783.3
Std Dev 826.8
pull1D
Entries 84
Mean −0.003847
Std Dev 0.9716

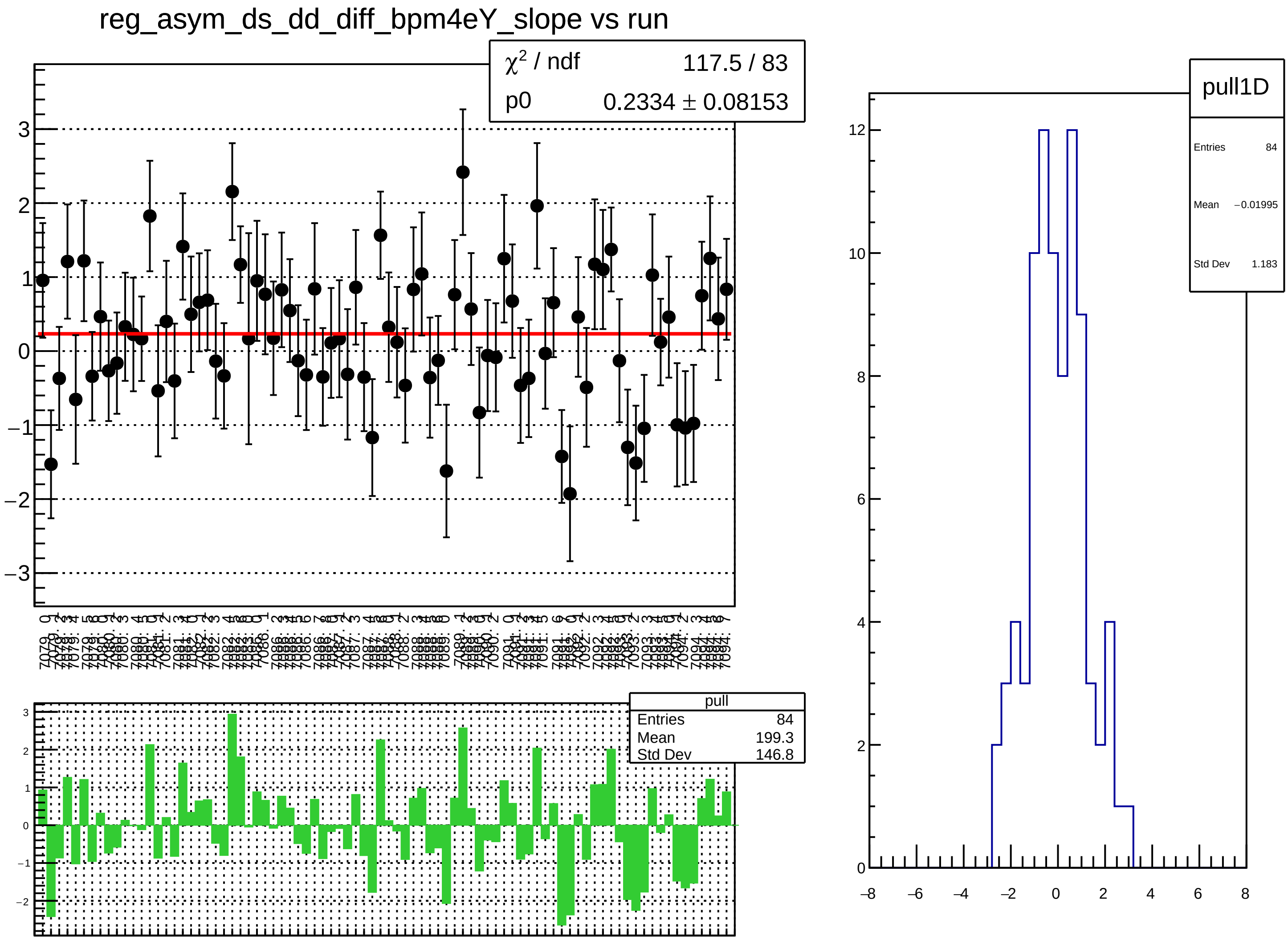

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 148.5 / 83
p0 0.2758 ± 0.1019
pull
Entries 84
Mean 112.1
Std Dev 110.2
pull1D
Entries 84
Mean −0.01437
Std Dev 1.329



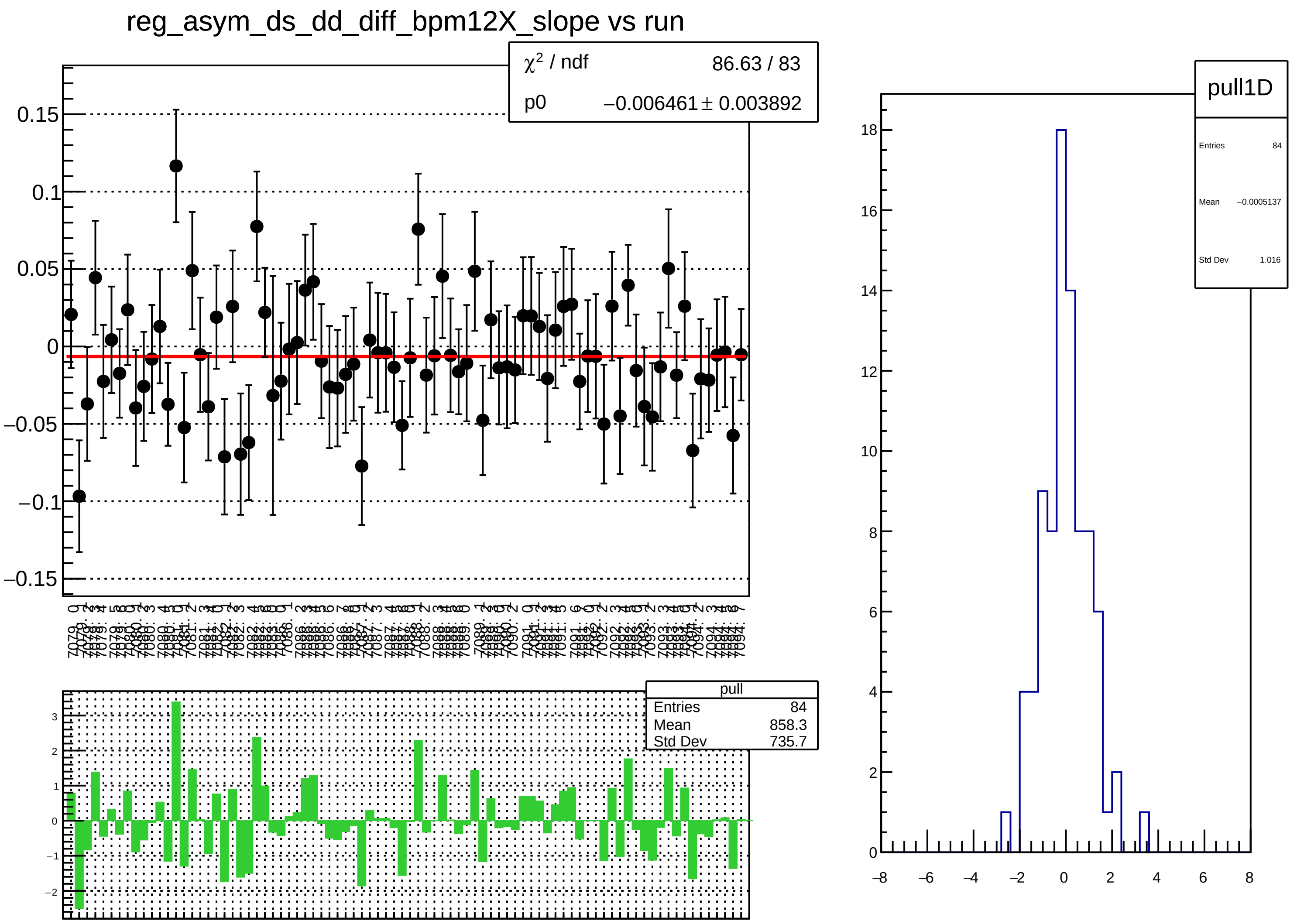
reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 122.9 / 83
p0 −0.1902 ± 0.07764
pull
Entries 84
Mean 167.1
Std Dev 110.2
pull1D
Entries 84
Mean 0.0232
Std Dev 1.209



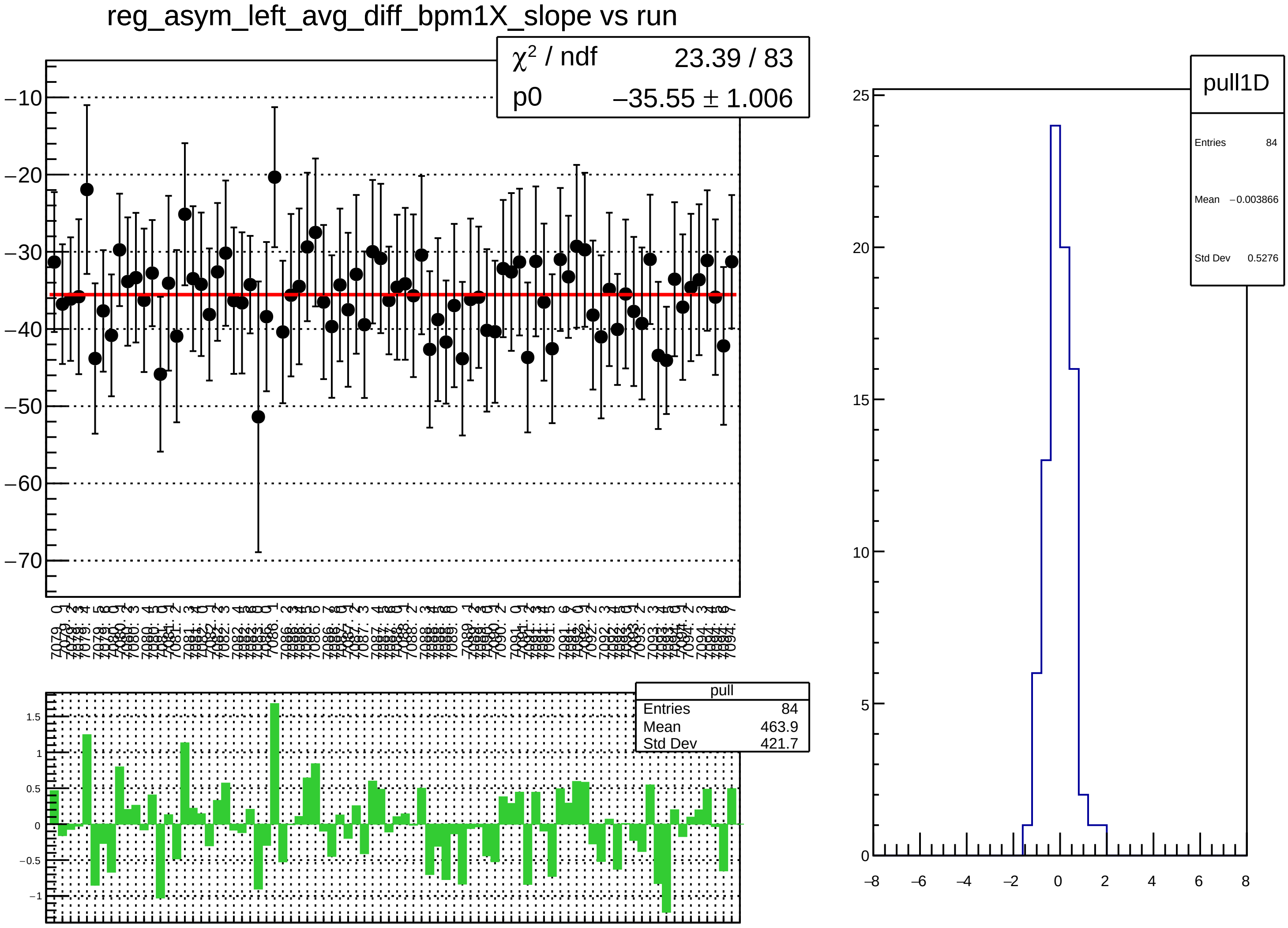
reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 130.2 / 83
p0 −0.2496 ± 0.09828
pull
Entries 84
Mean 111.6
Std Dev 114.8
pull1D
Entries 84
Mean 0.01259
Std Dev 1.245

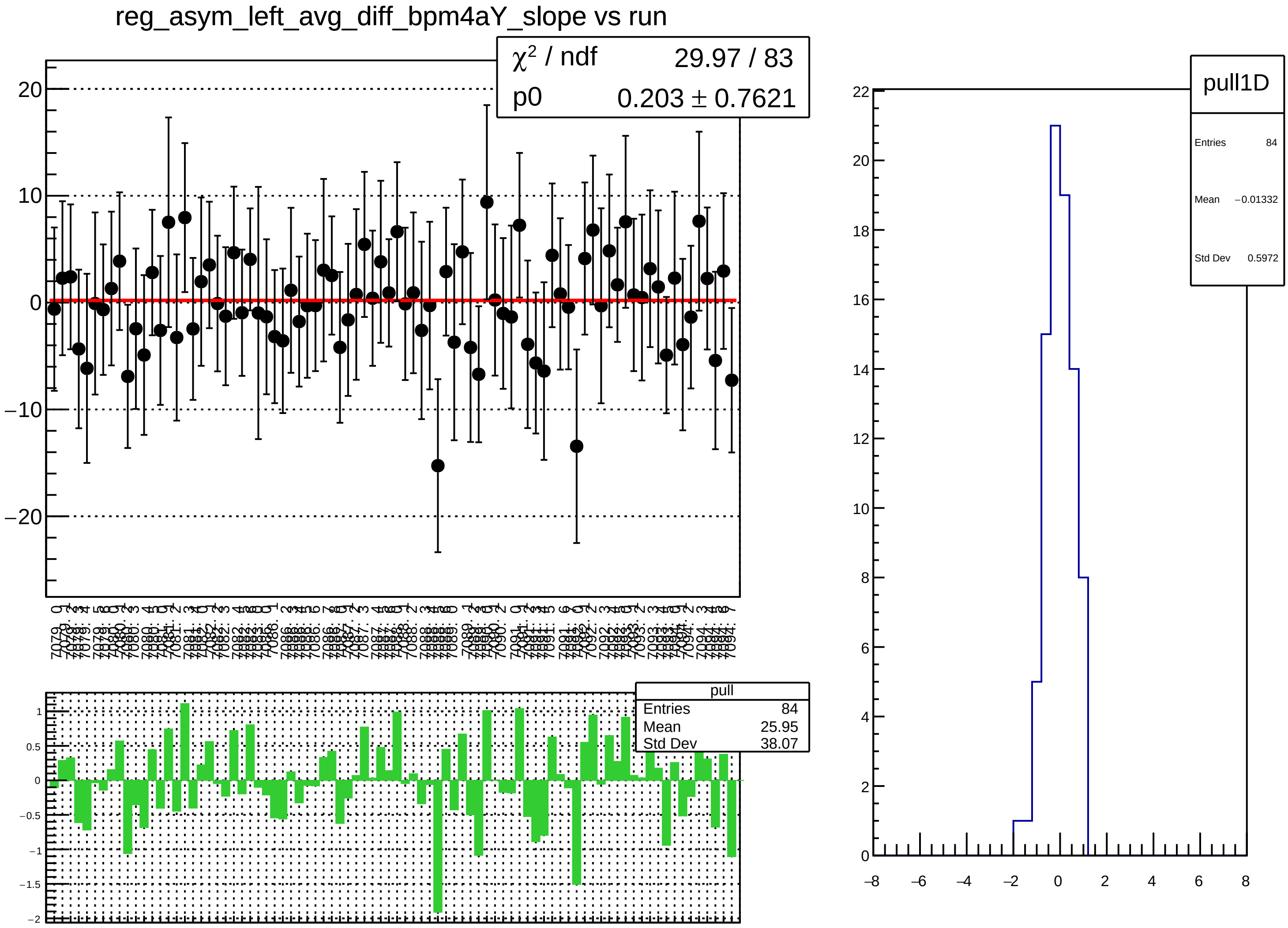


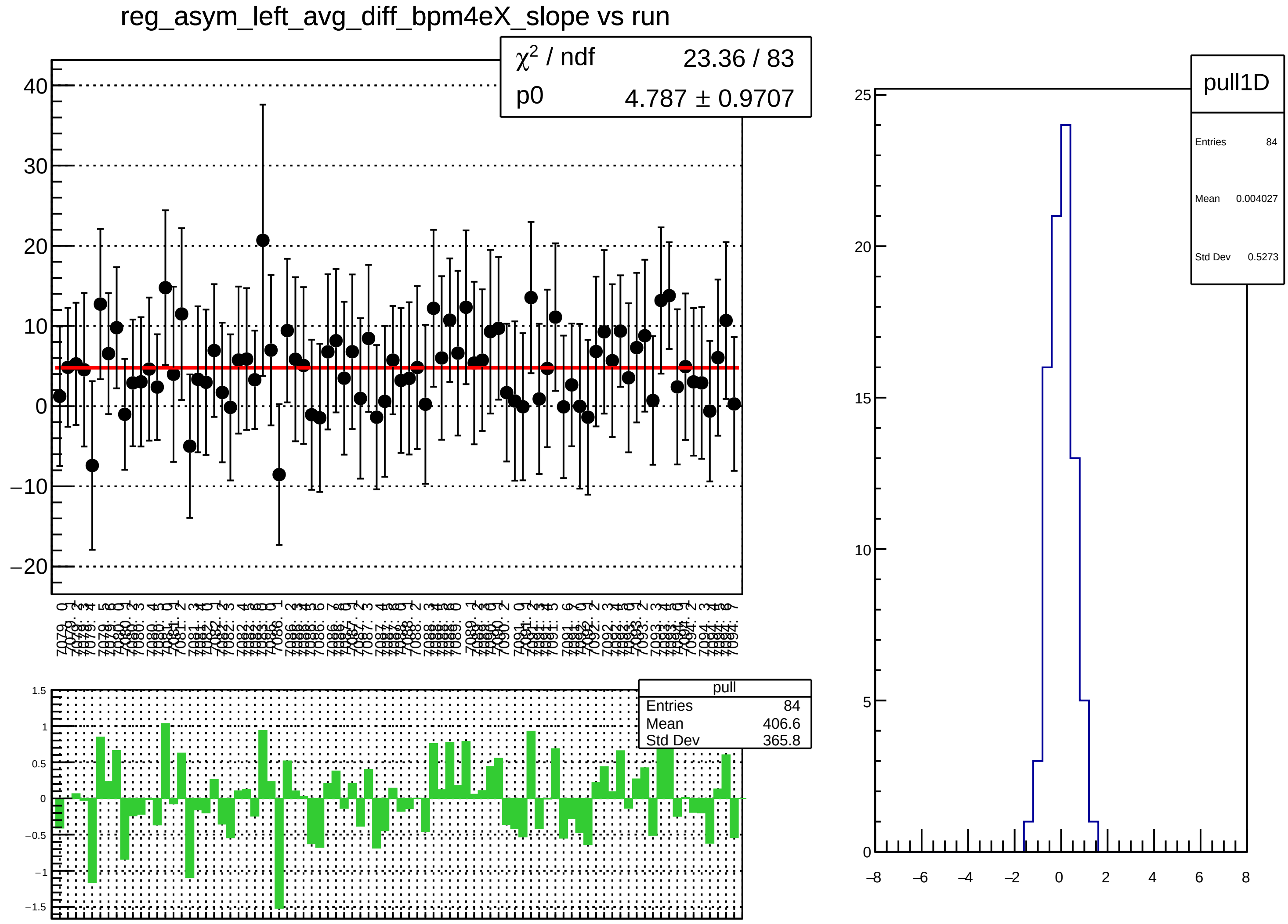
reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 117.5 / 83
p0 0.2334 ± 0.08153
pull
Entries 84
Mean 199.3
Std Dev 146.8
pull1D
Entries 84
Mean −0.01995
Std Dev 1.183

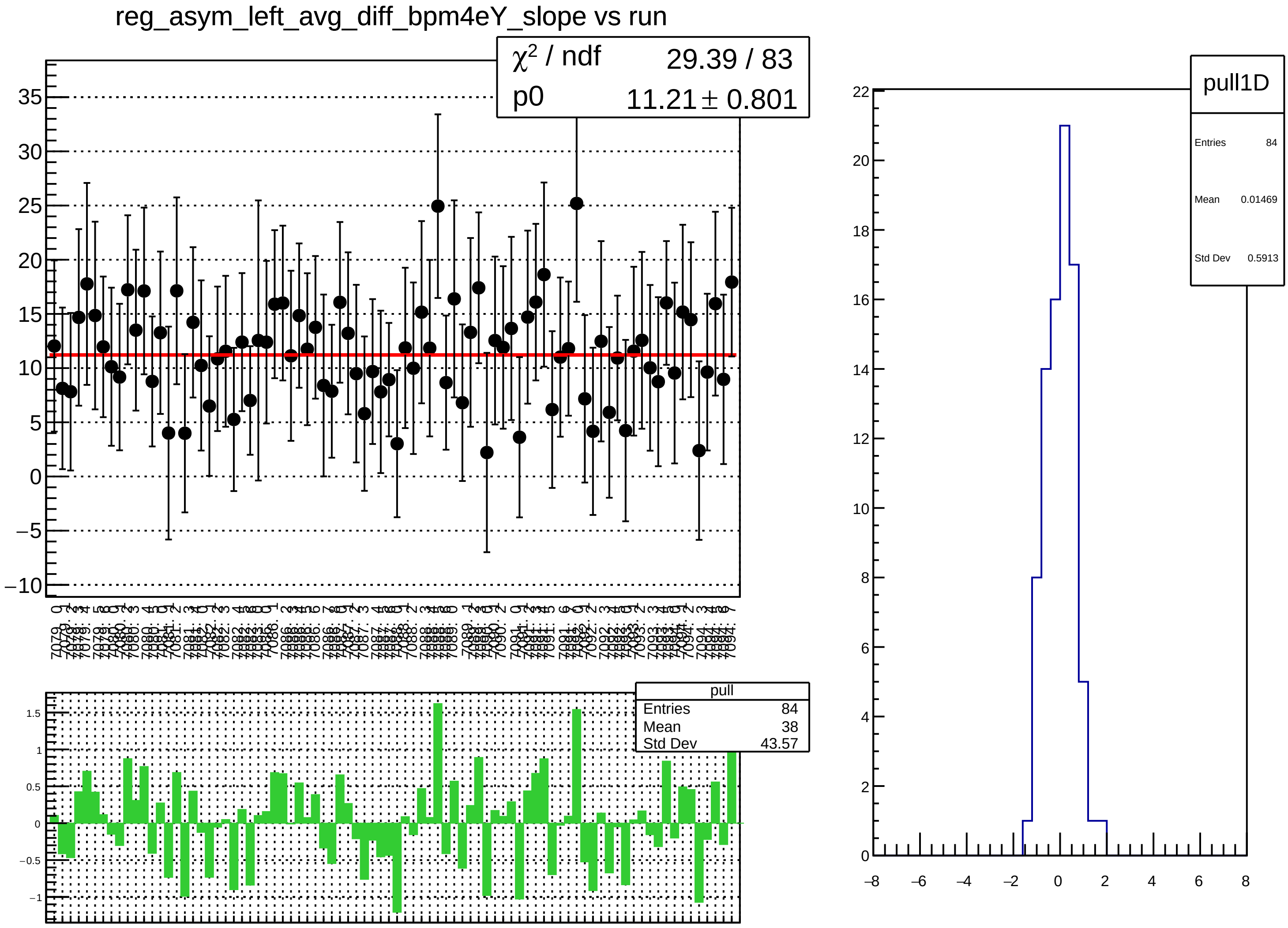


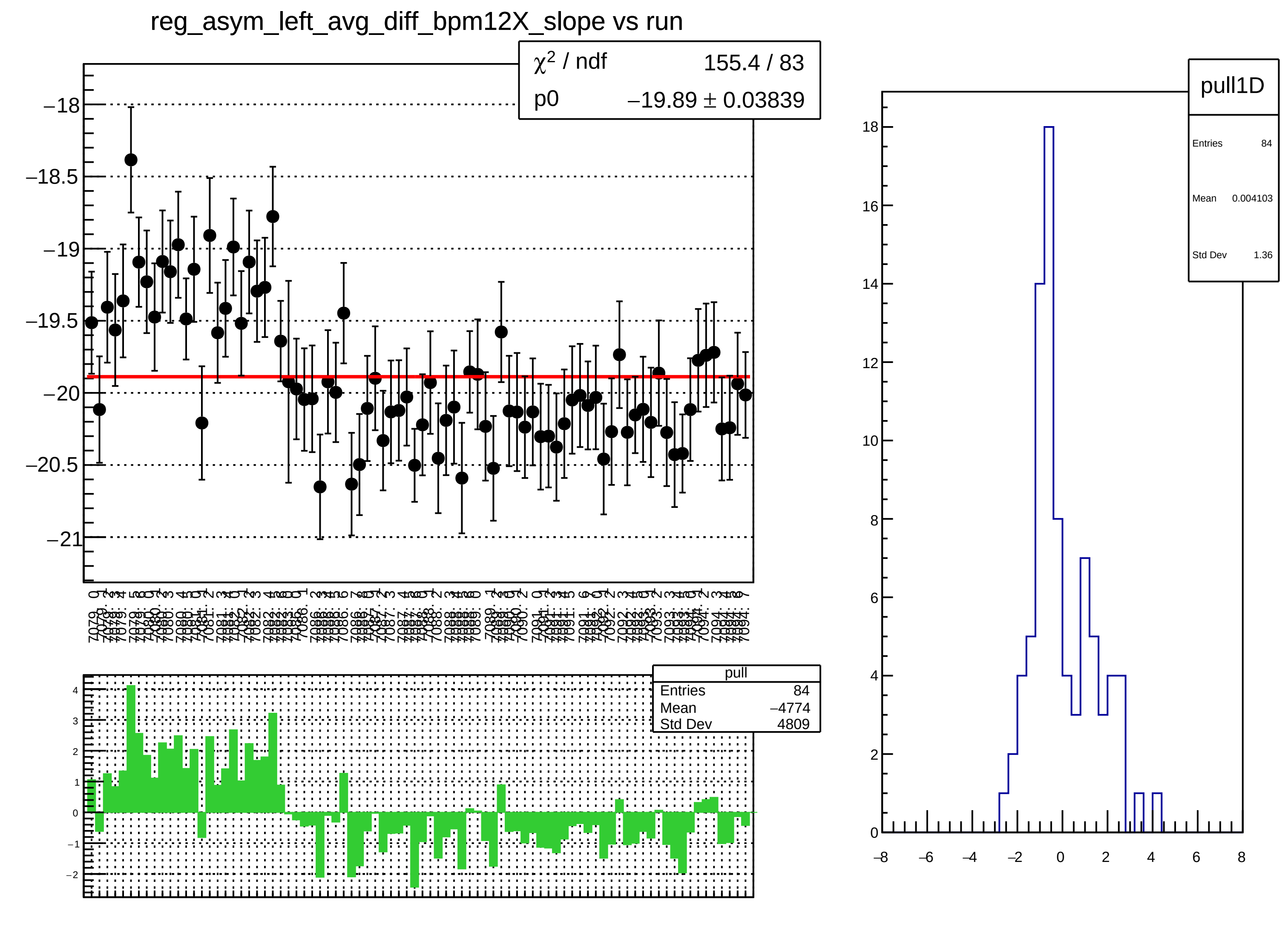
reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 86.63 / 83
p0 −0.006461 ± 0.003892
pull
Entries 84
Mean 858.3
Std Dev 735.7
pull1D
Entries 84
Mean −0.0005137
Std Dev 1.016


reg_asym_left_avg_diff_bpm1X_slope vs run
χ2 / ndf 23.39 / 83
p0 −35.55 ± 1.006
pull
Entries 84
Mean 463.9
Std Dev 421.7
pull1D
Entries 84
Mean −0.003866
Std Dev 0.5276

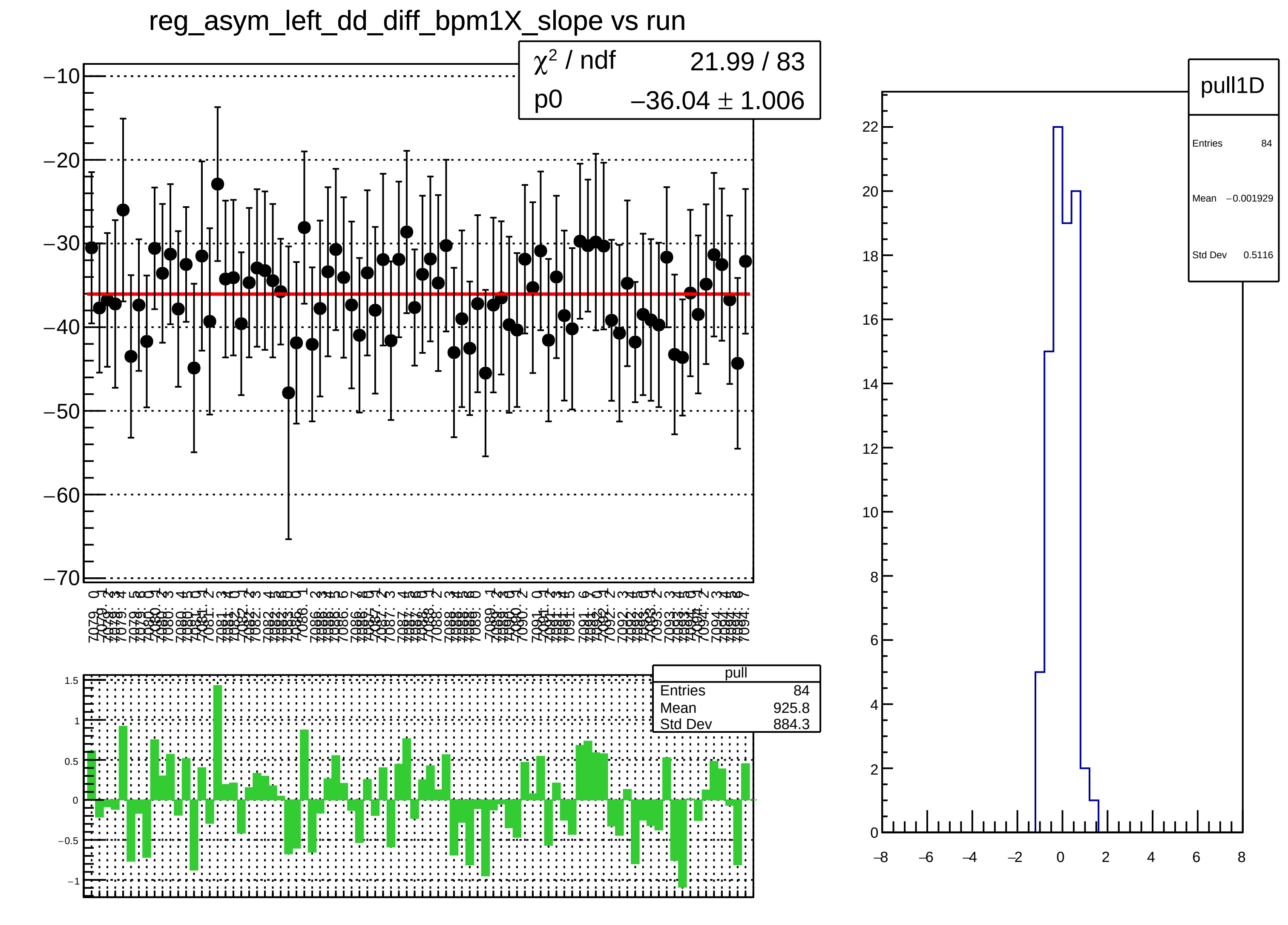

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 29.97 / 83
p0 0.203 ± 0.7621
pull
Entries 84
Mean 25.95
Std Dev 38.07
pull1D
Entries 84
Mean −0.01332
Std Dev 0.5972

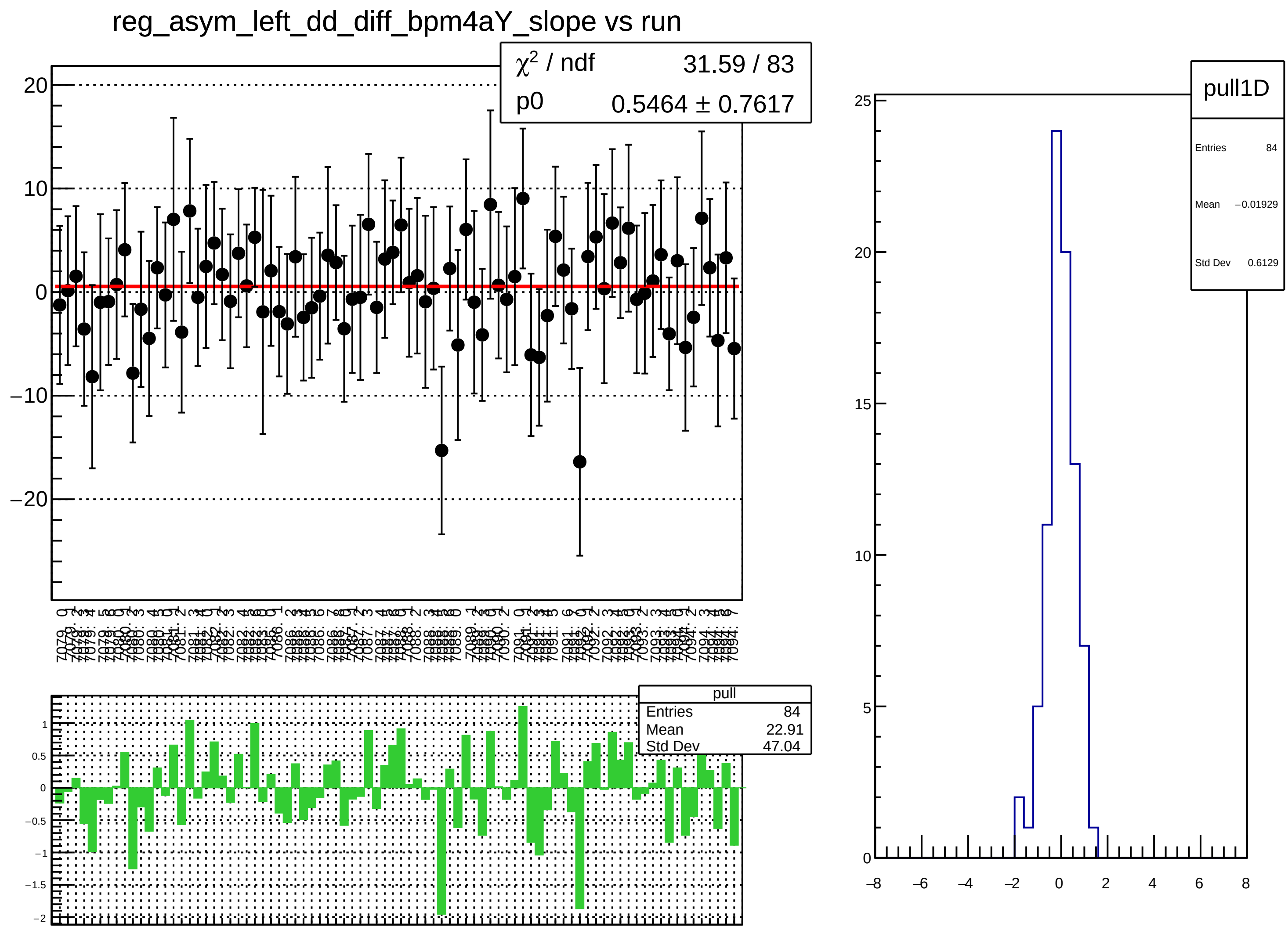

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ2 / ndf 23.36 / 83
p0 4.787 ± 0.9707
pull
Entries 84
Mean 406.6
Std Dev 365.8
pull1D
Entries 84
Mean 0.004027
Std Dev 0.5273


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ2 / ndf 29.39 / 83
p0 11.21 ± 0.801
pull
Entries 84
Mean 38
Std Dev 43.57
pull1D
Entries 84
Mean 0.01469
Std Dev 0.5913

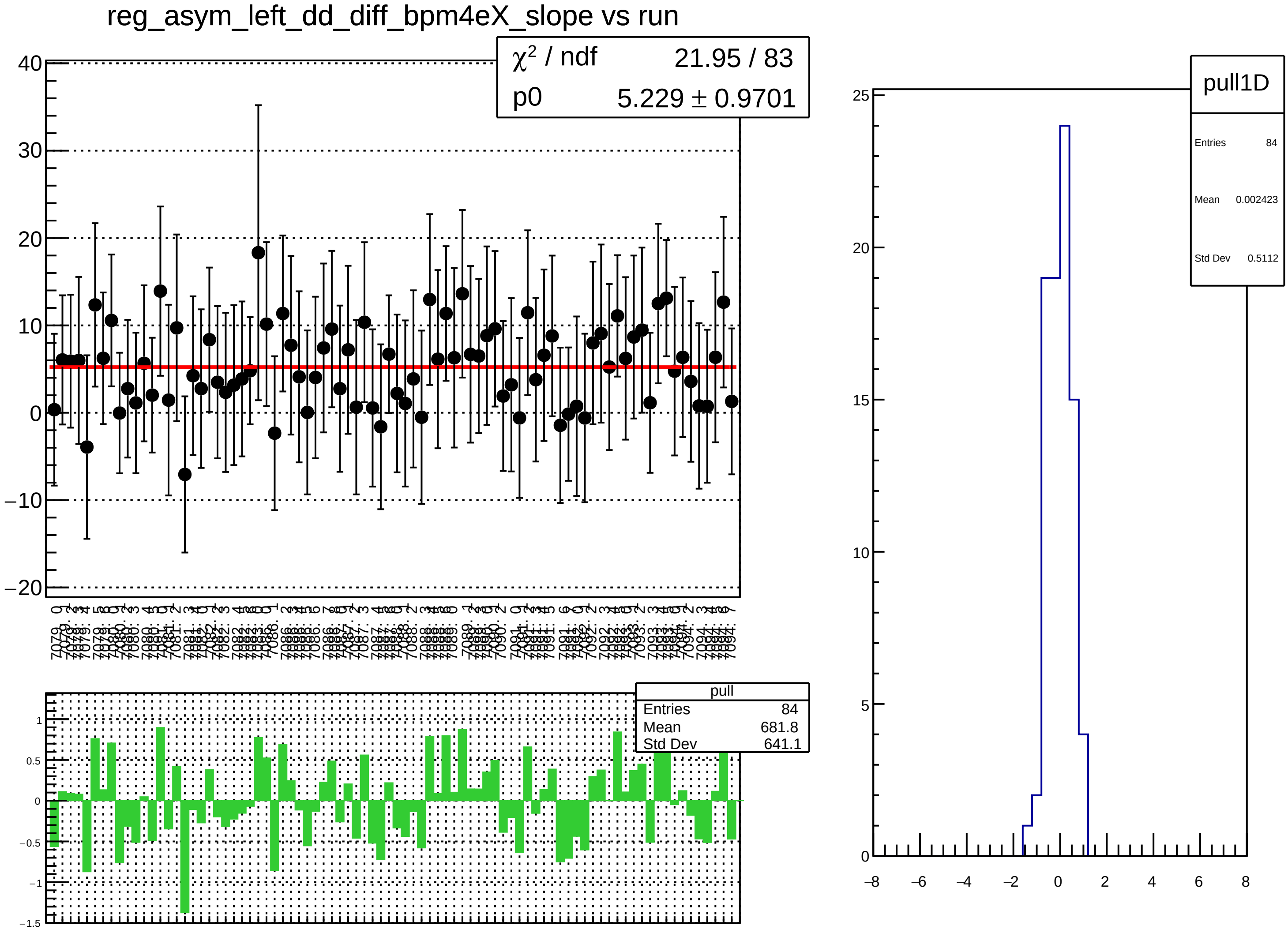


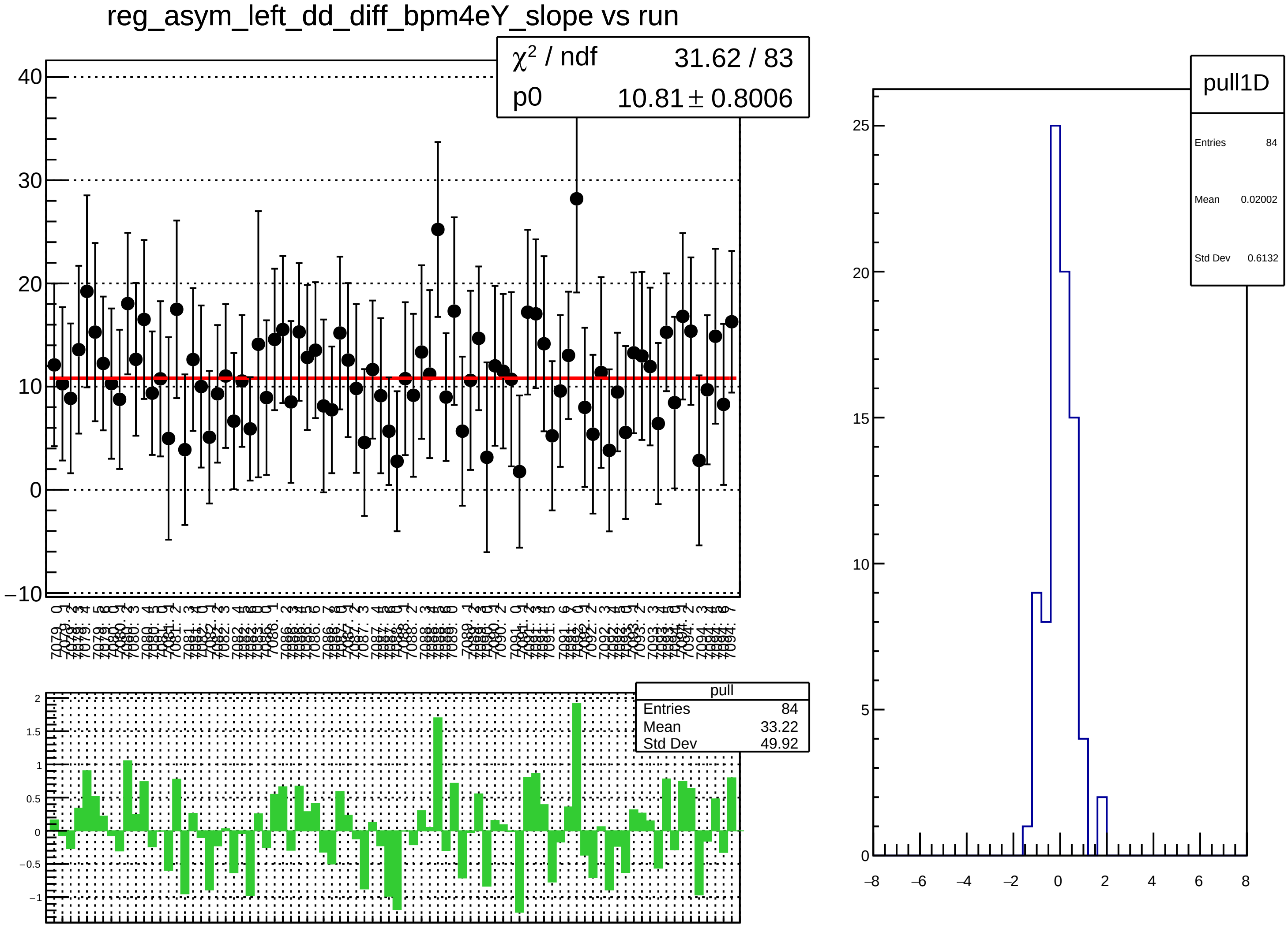
reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 155.4 / 83
p0 −19.89 ± 0.03839
pull
Entries 84
Mean −4774
Std Dev 4809
pull1D
Entries 84
Mean 0.004103
Std Dev 1.36


reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 21.99 / 83
p0 −36.04 ± 1.006
pull
Entries 84
Mean 925.8
Std Dev 884.3
pull1D
Entries 84
Mean −0.001929
Std Dev 0.5116

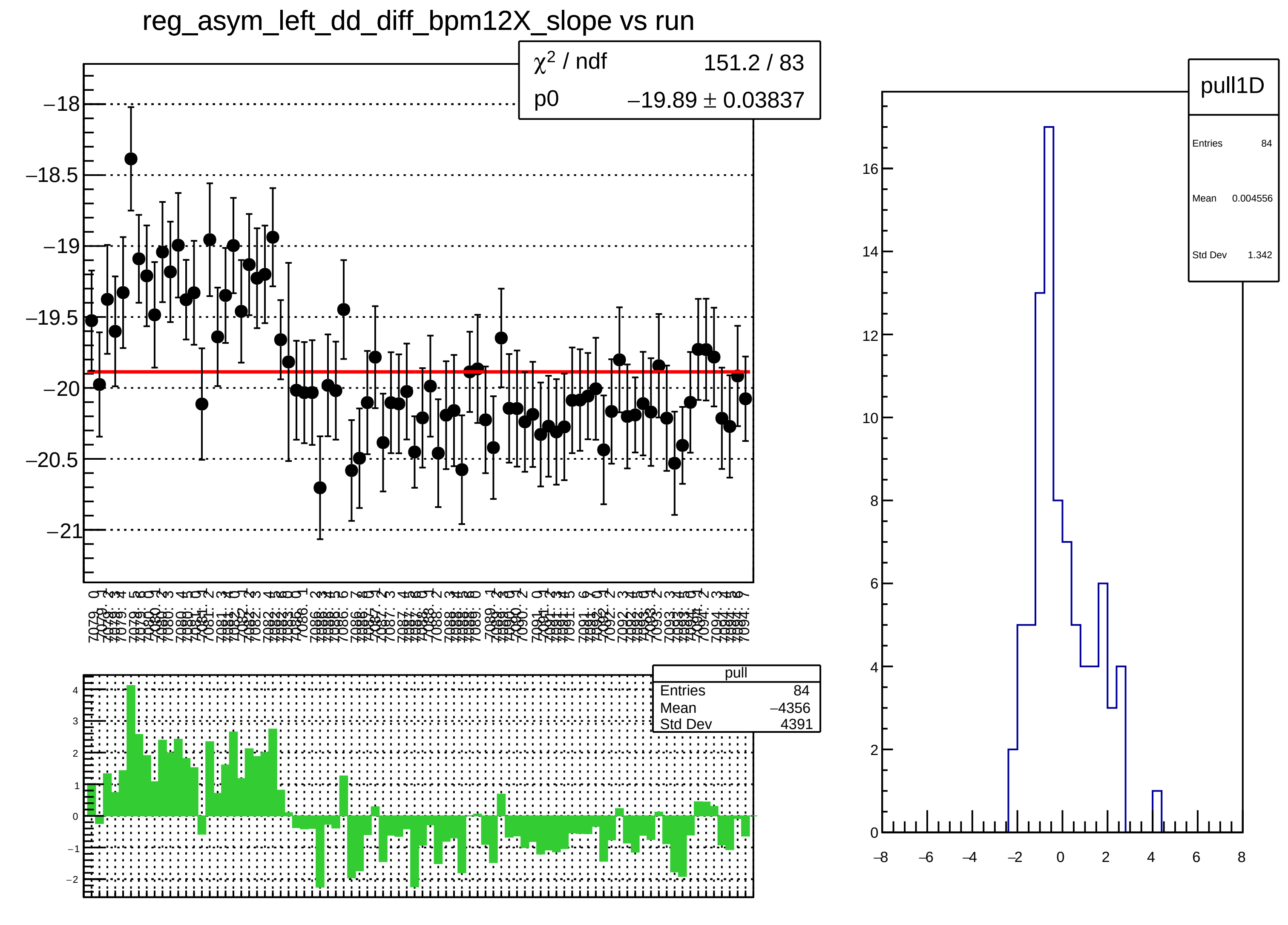


reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 31.59 / 83
p0 0.5464 ± 0.7617
pull
Entries 84
Mean 22.91
Std Dev 47.04
pull1D
Entries 84
Mean −0.01929
Std Dev 0.6129

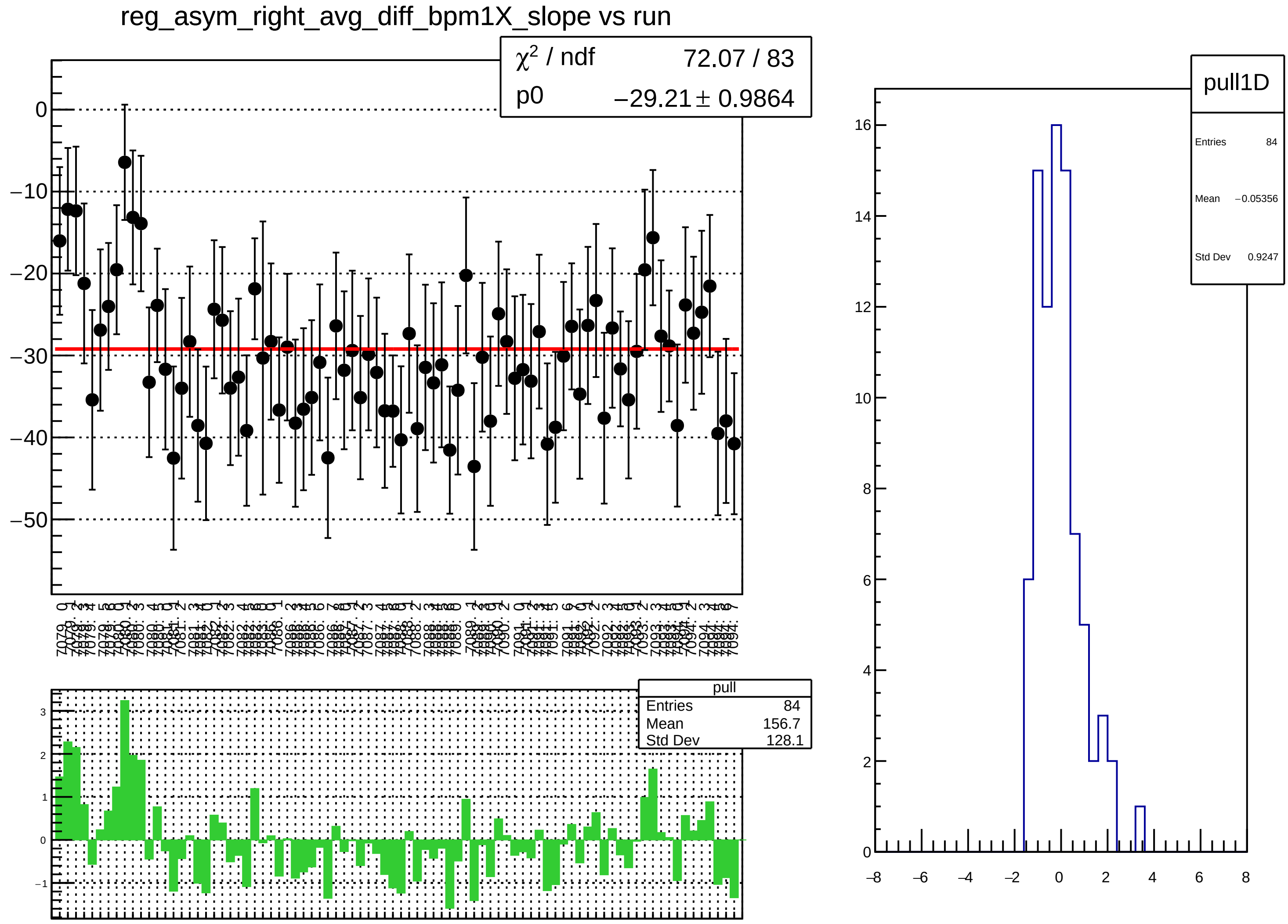

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.95 / 83
p0 5.229 ± 0.9701
pull
Entries 84
Mean 681.8
Std Dev 641.1
pull1D
Entries 84
Mean 0.002423
Std Dev 0.5112



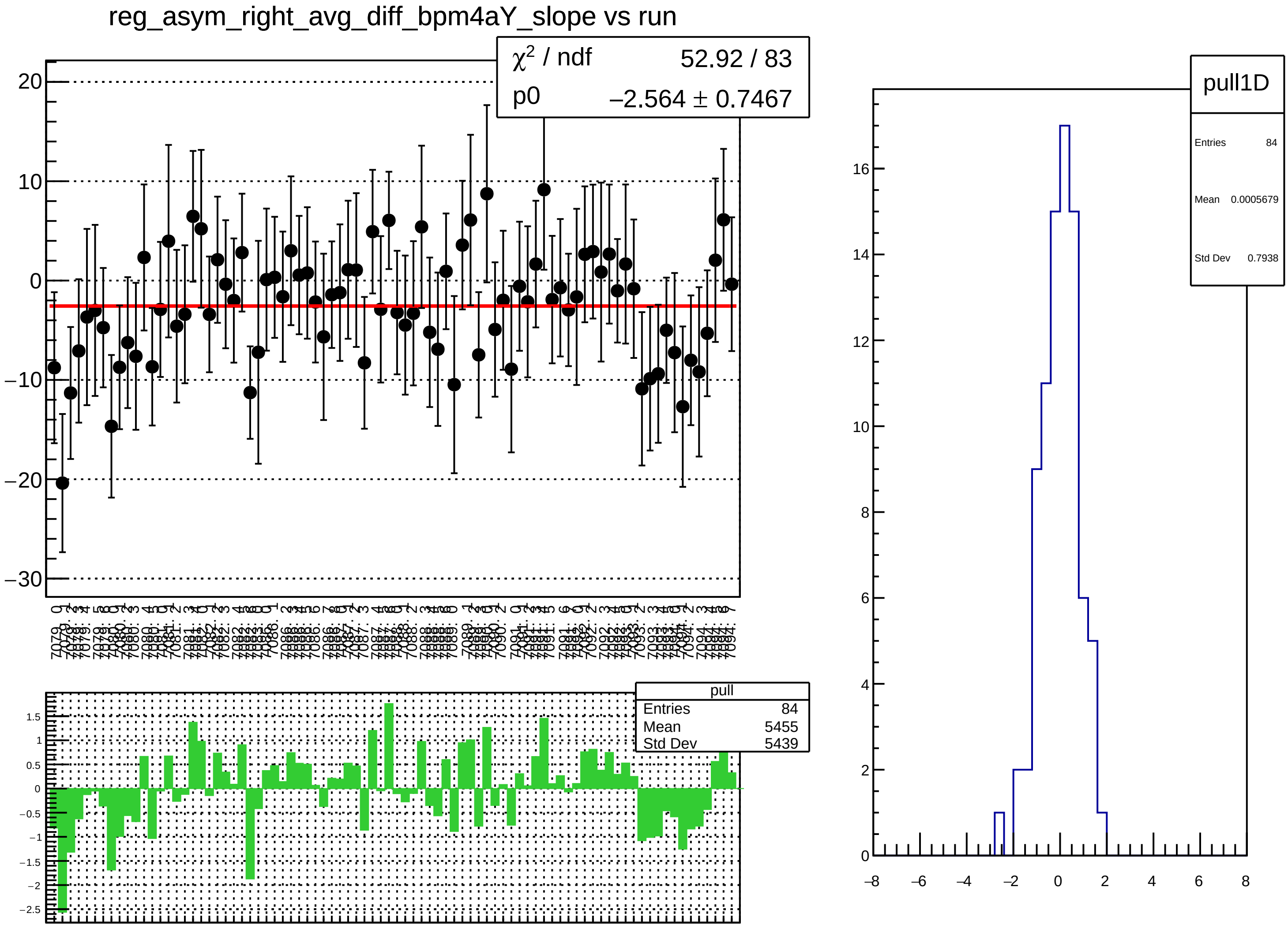
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.62 / 83
p0 10.81 ± 0.8006
pull
Entries 84
Mean 33.22
Std Dev 49.92
pull1D
Entries 84
Mean 0.02002
Std Dev 0.6132



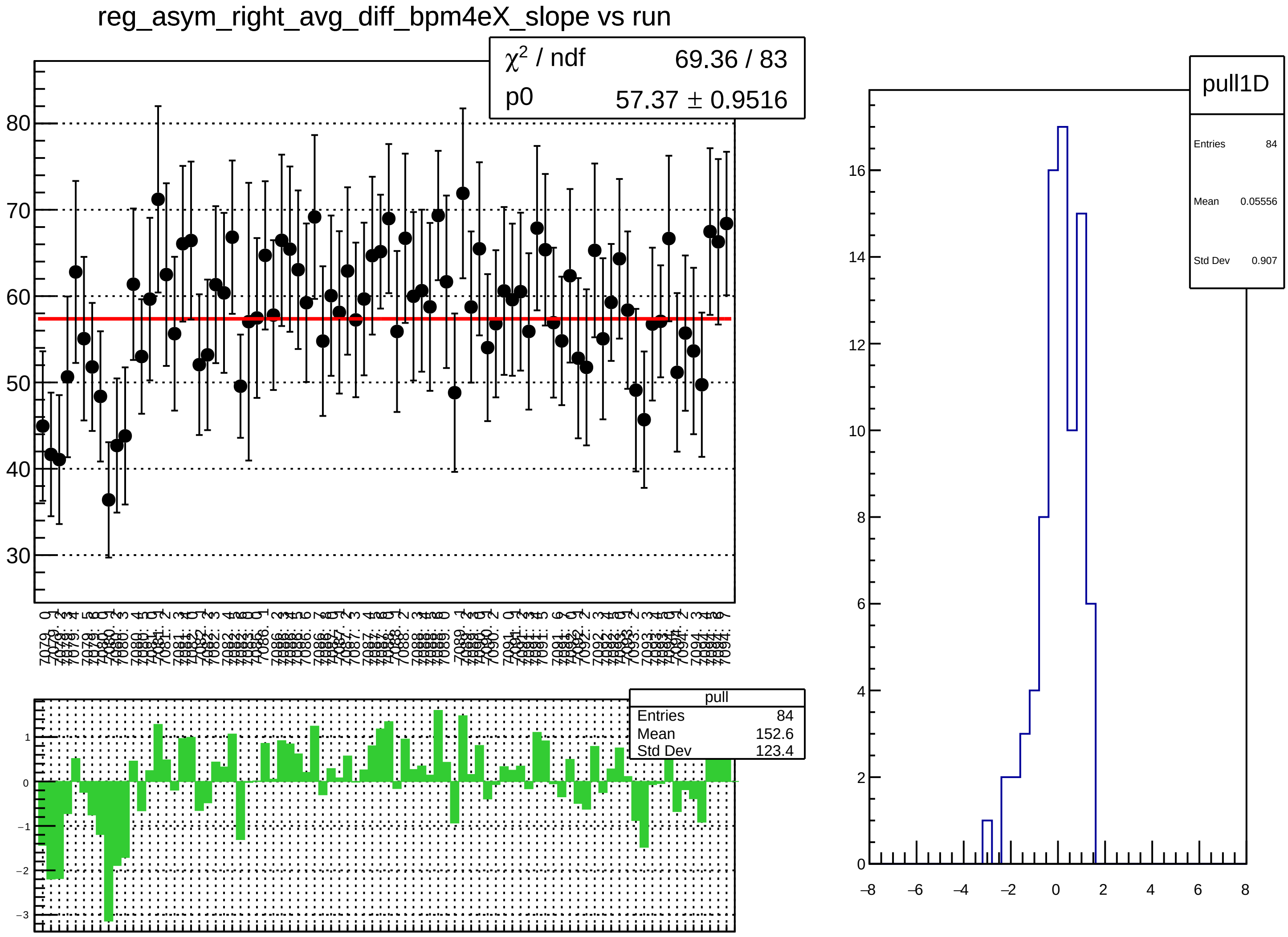
reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 151.2 / 83
p0 −19.89 ± 0.03837
−18
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 84
Mean −4356
Std Dev 4391
pull1D
Entries 84
Mean 0.004556
Std Dev 1.342

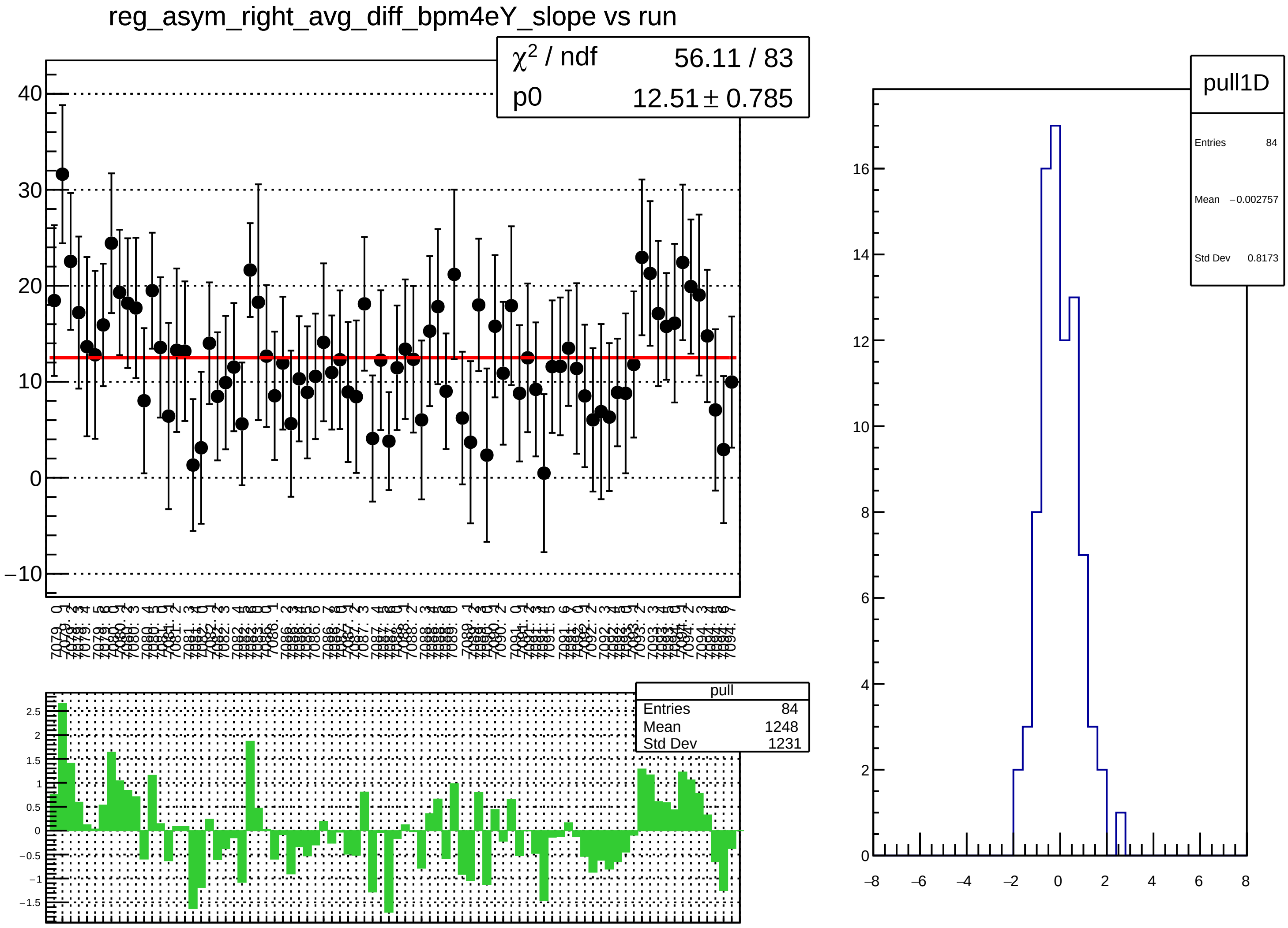


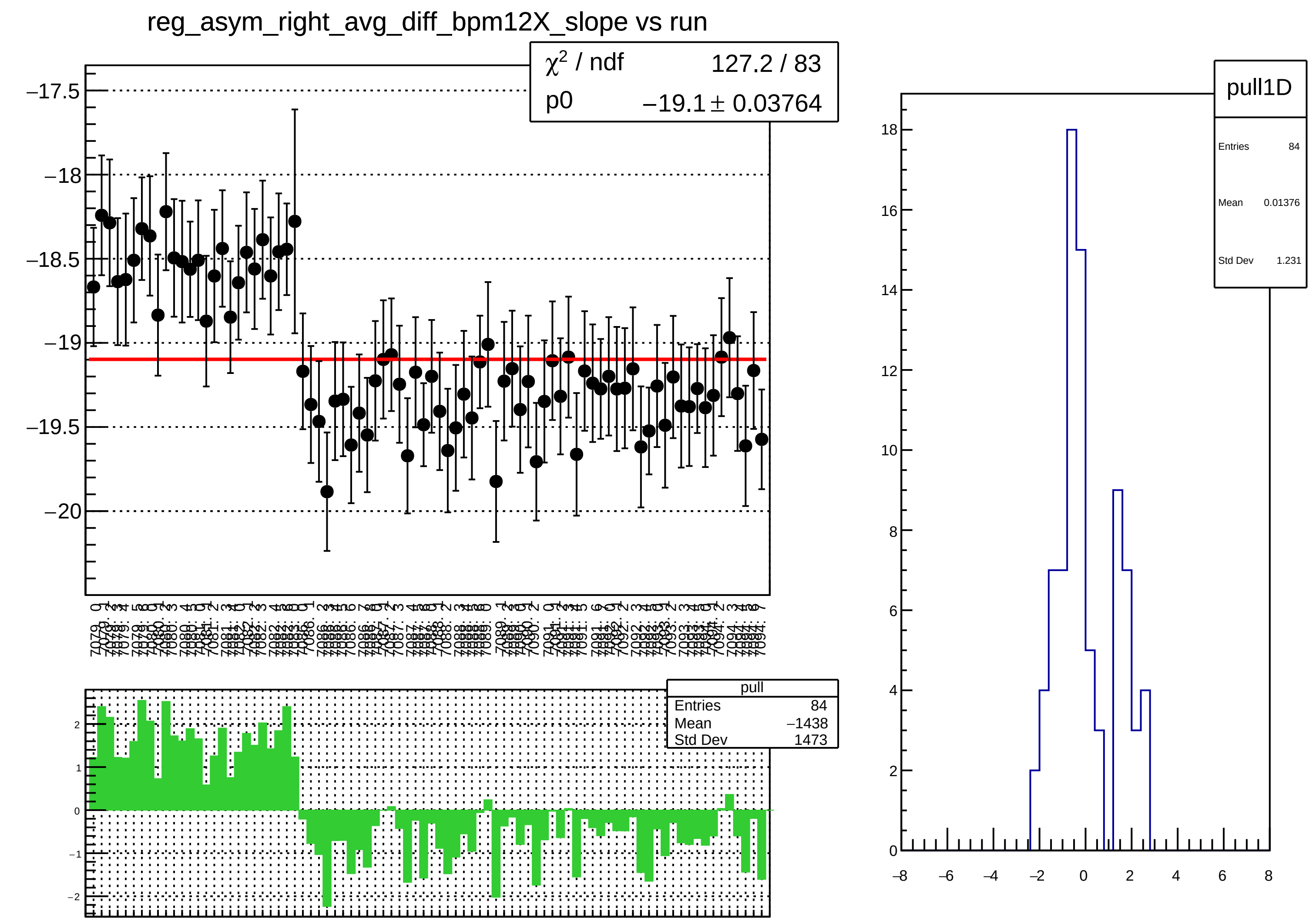
reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 72.07 / 83
p0 −29.21 ± 0.9864
pull
Entries 84
Mean 156.7
Std Dev 128.1
pull1D
Entries 84
Mean −0.05356
Std Dev 0.9247



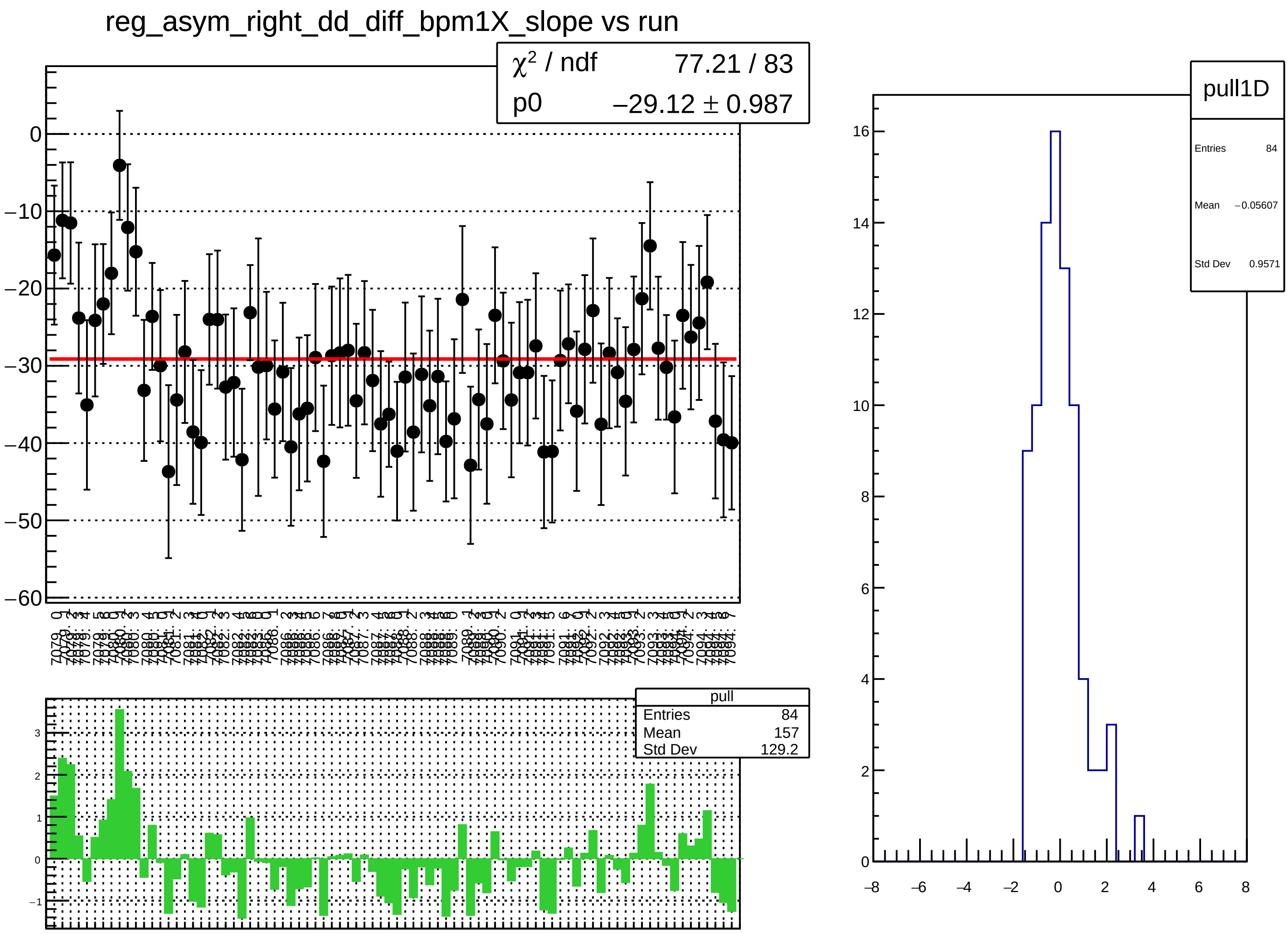
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 52.92 / 83
p0 −2.564 ± 0.7467
pull
Entries 84
Mean 5455
Std Dev 5439
pull1D
Entries 84
Mean 0.0005679
Std Dev 0.7938


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 69.36 / 83
p0 57.37 ± 0.9516
pull
Entries 84
Mean 152.6
Std Dev 123.4
pull1D
Entries 84
Mean 0.05556
Std Dev 0.907

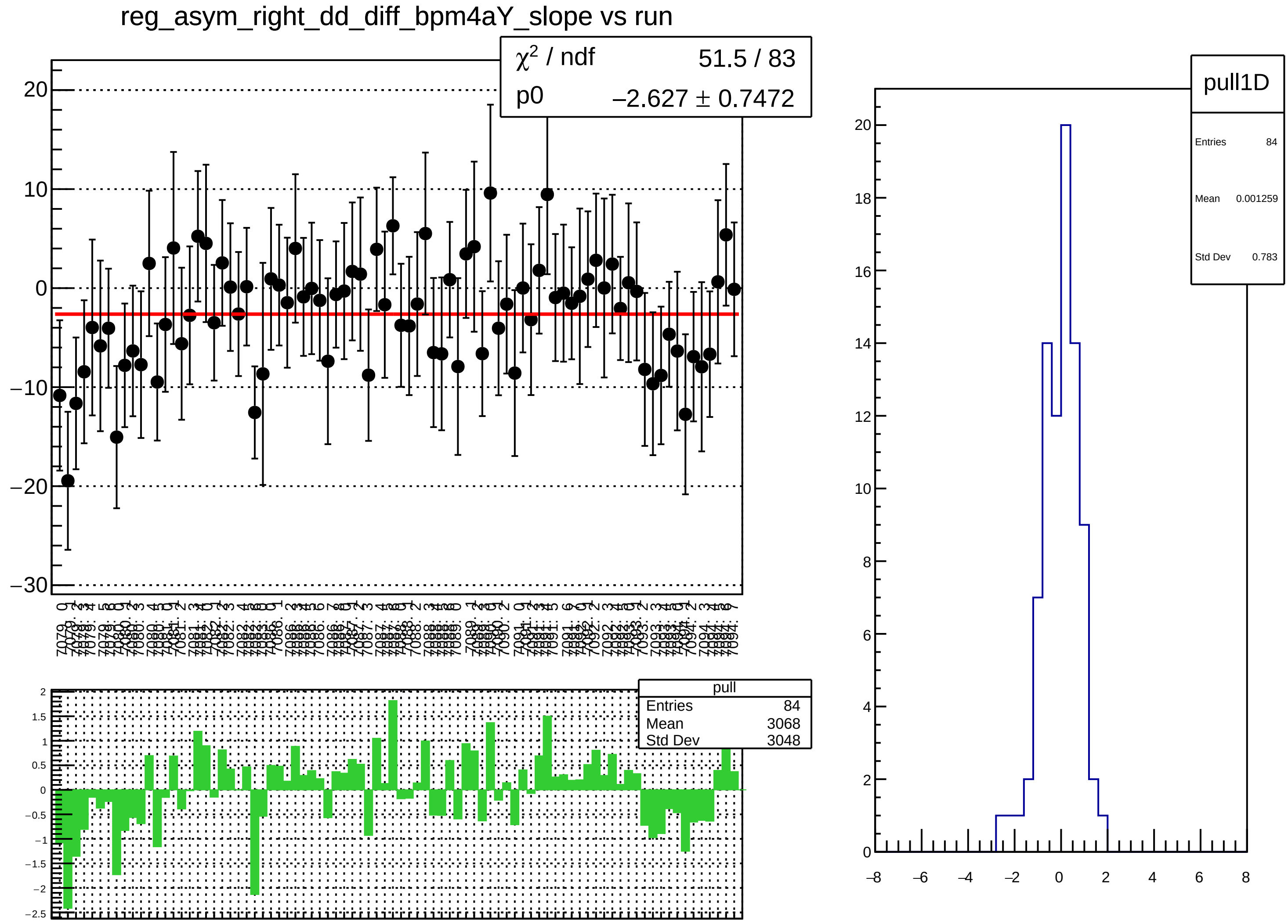

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 56.11 / 83
p0 12.51 ± 0.785
pull
Entries 84
Mean 1248
Std Dev 1231
pull1D
Entries 84
Mean −0.002757
Std Dev 0.8173



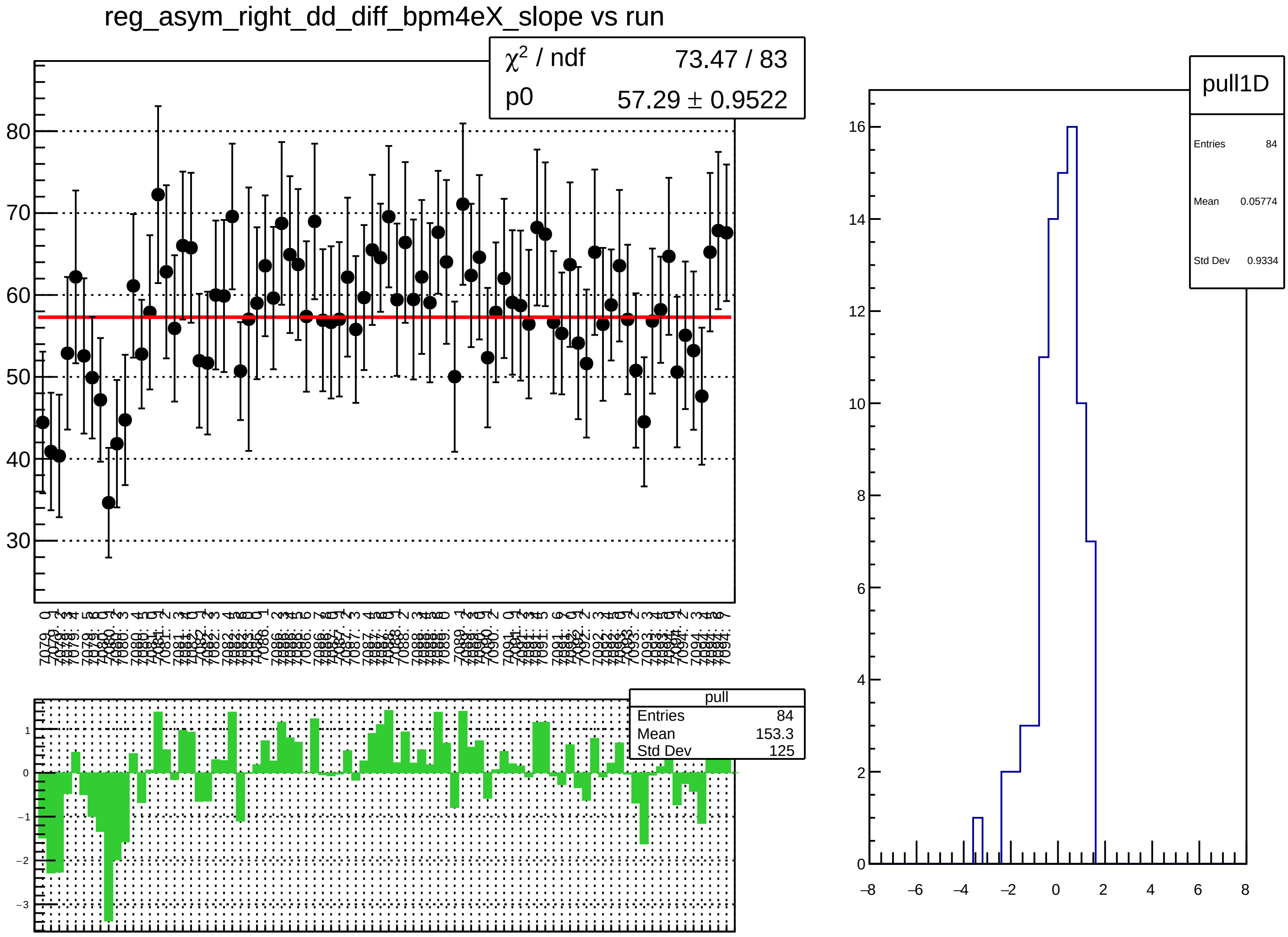
reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 127.2 / 83
p0 −19.1 ± 0.03764
pull
Entries 84
Mean −1438
Std Dev 1473
pull1D
Entries 84
Mean 0.01376
Std Dev 1.231



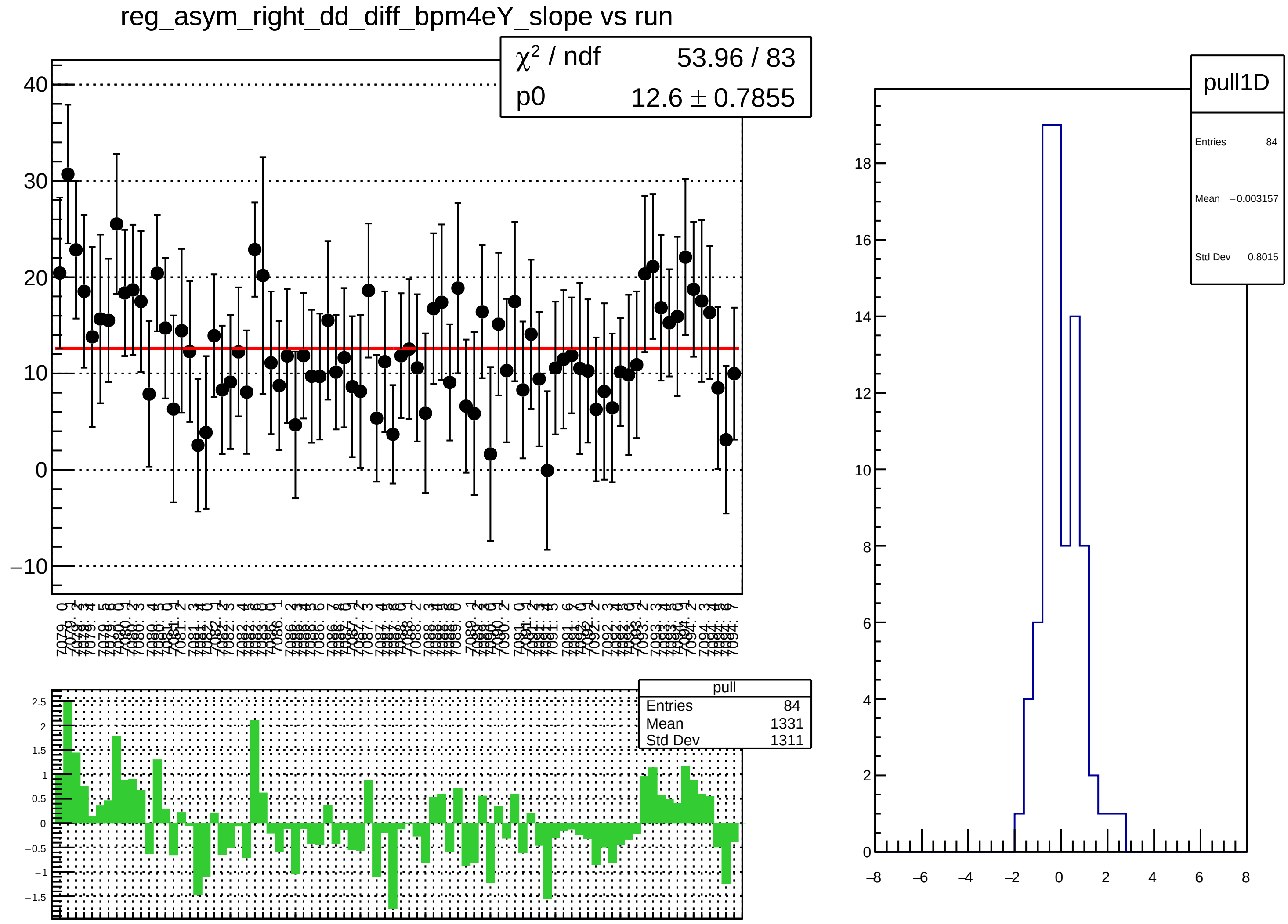
reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 77.21 / 83
p0 −29.12 ± 0.987
pull
Entries 84
Mean 157
Std Dev 129.2
pull1D
Entries 84
Mean −0.05607
Std Dev 0.9571



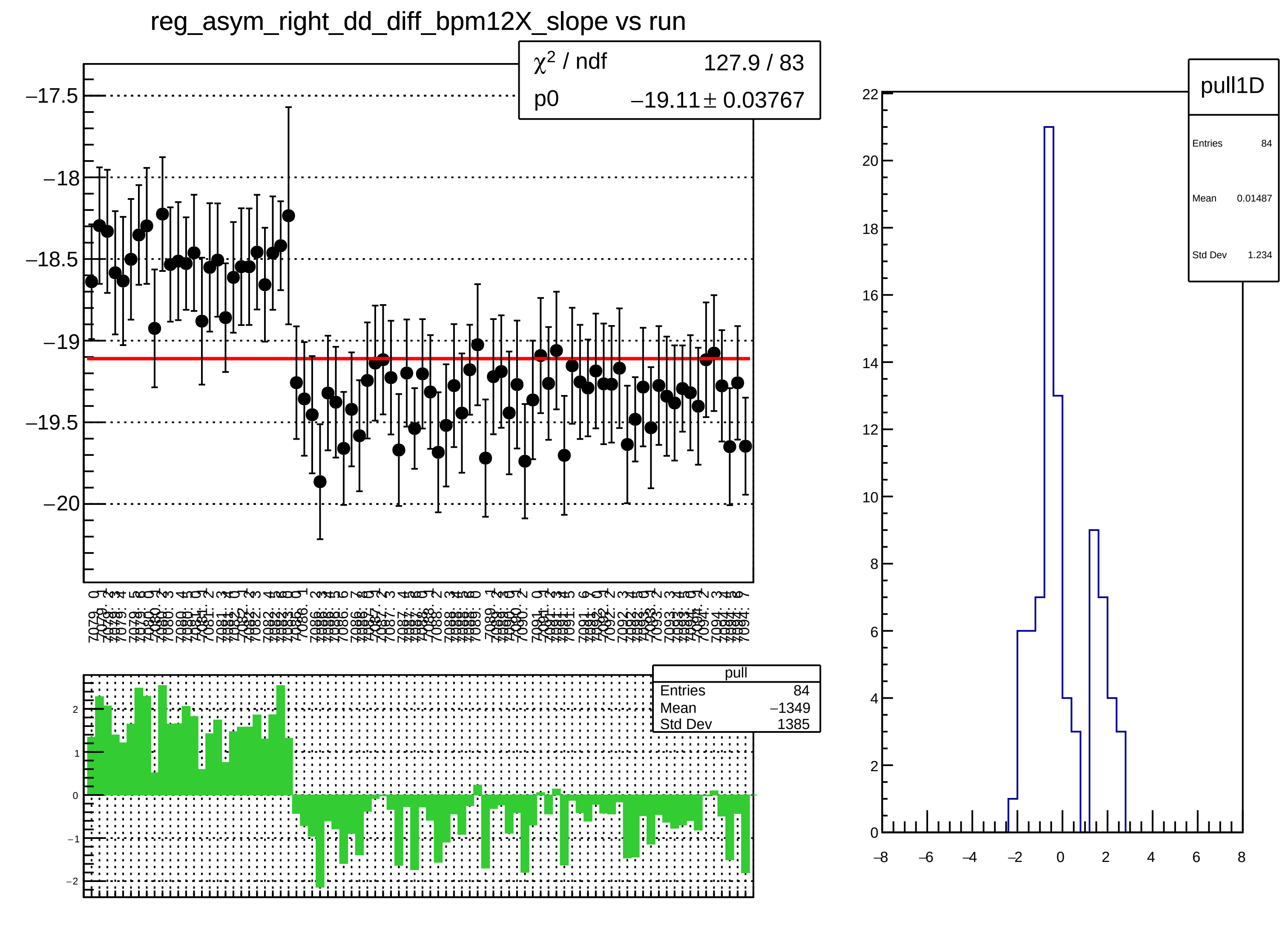
reg_asym_right_dd_diff_bpm4aY_slope vs run
χ2 / ndf 51.5 / 83
p0 −2.627 ± 0.7472
pull
Entries 84
Mean 3068
Std Dev 3048
pull1D
Entries 84
Mean 0.001259
Std Dev 0.783



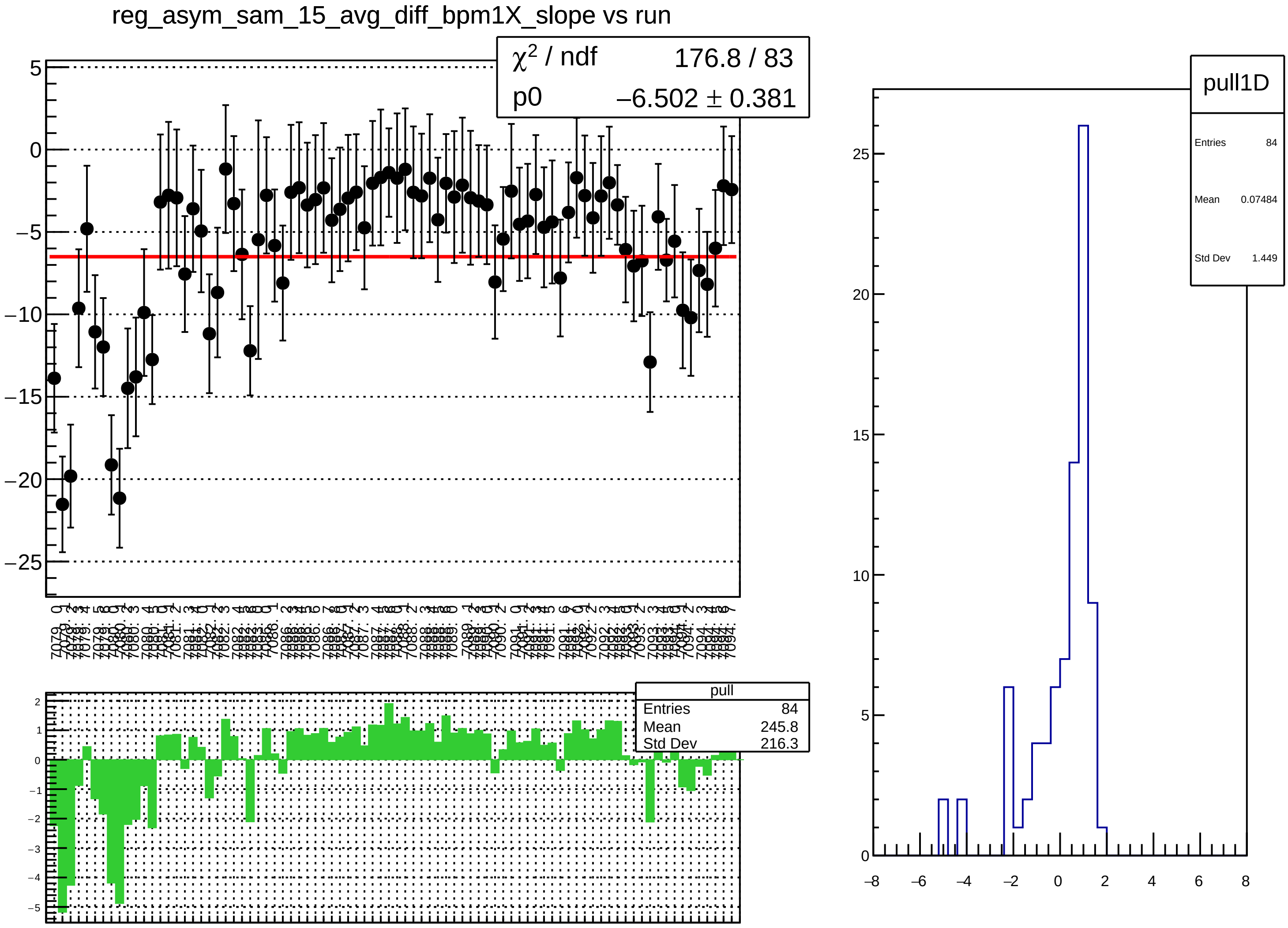
reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 73.47 / 83
p0 57.29 ± 0.9522
pull
Entries 84
Mean 153.3
Std Dev 125
pull1D
Entries 84
Mean 0.05774
Std Dev 0.9334

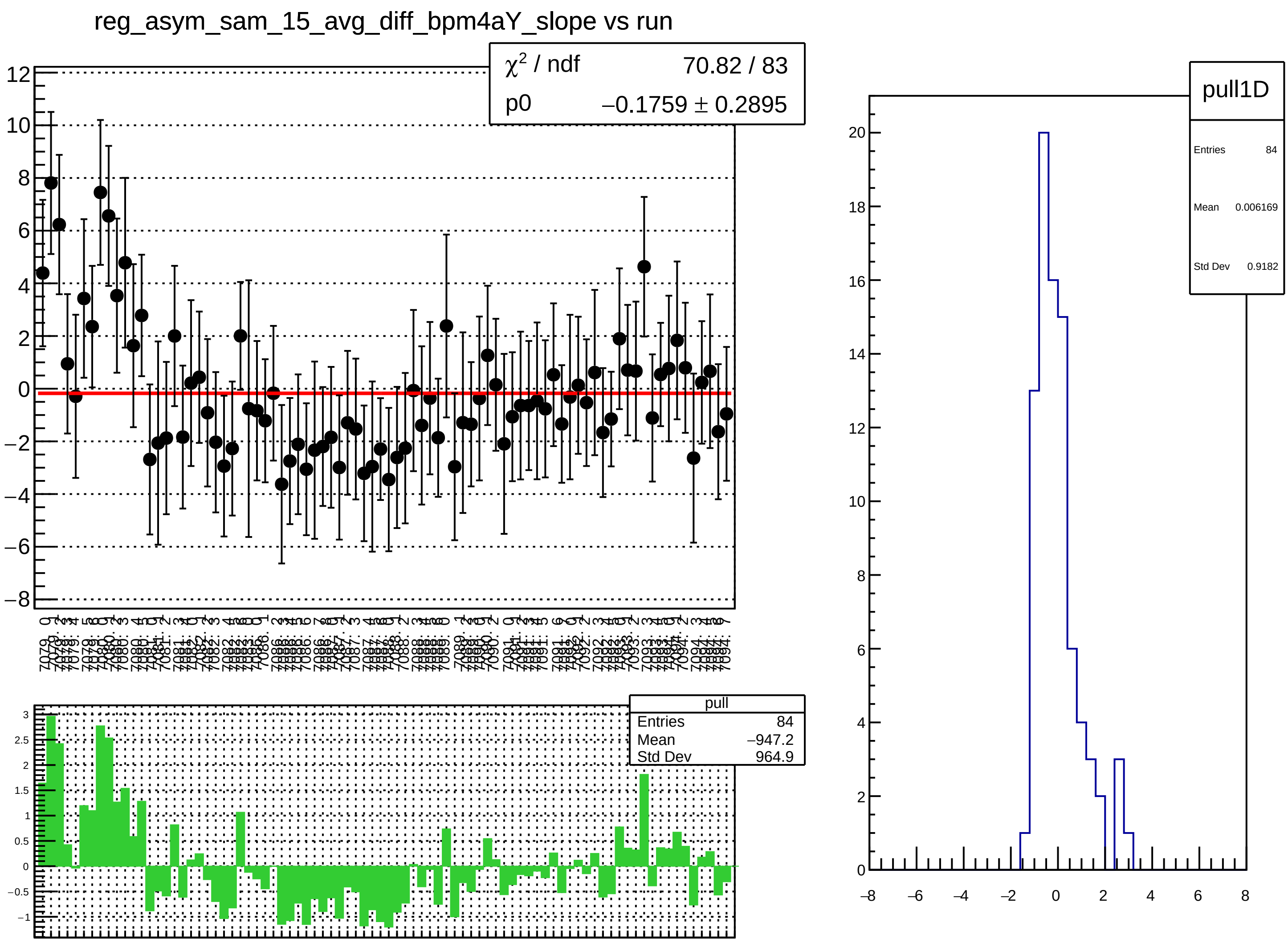


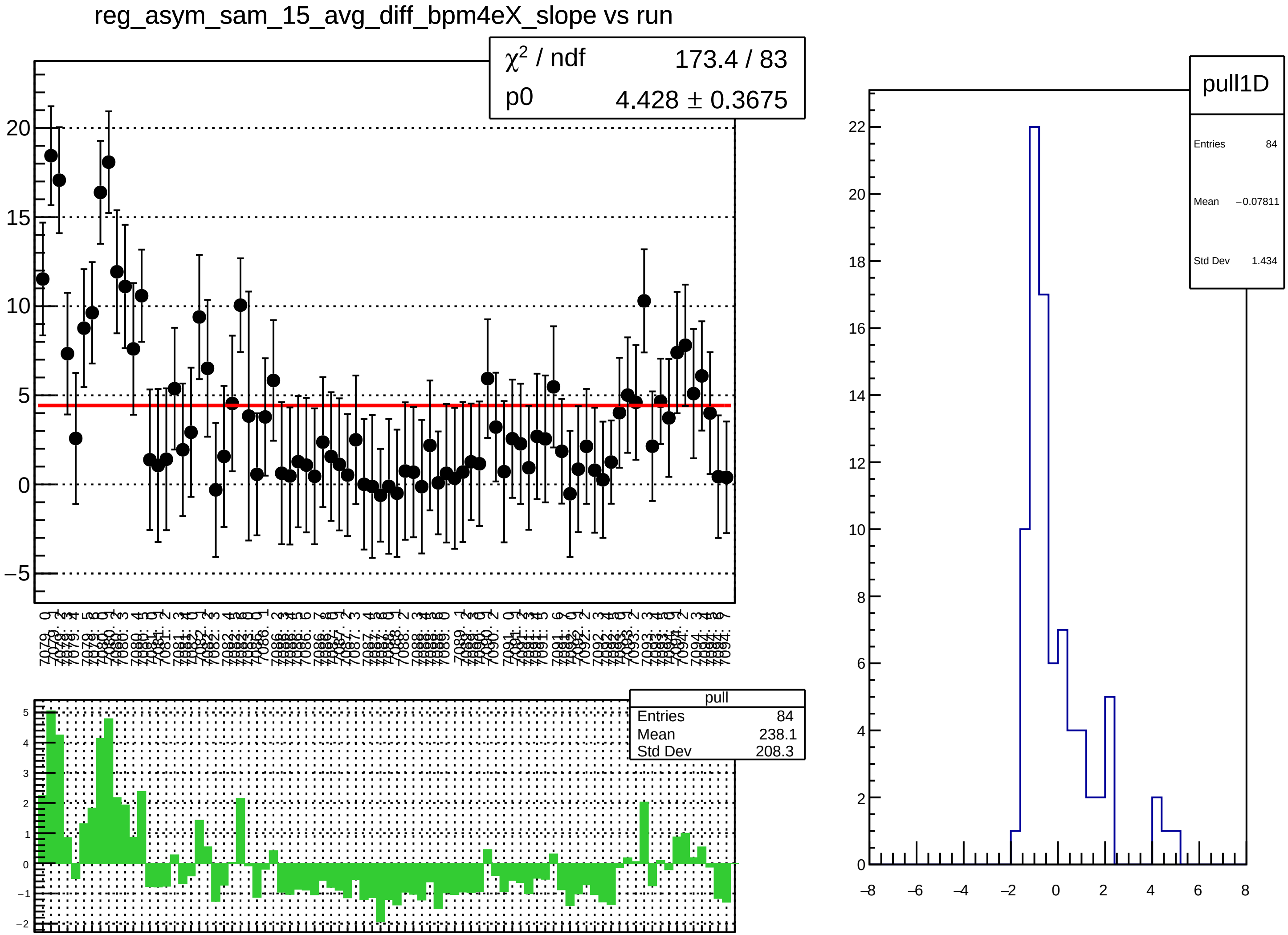
reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 53.96 / 83
p0 12.6 ± 0.7855
pull
Entries 84
Mean 1331
Std Dev 1311
pull1D
Entries 84
Mean −0.003157
Std Dev 0.8015



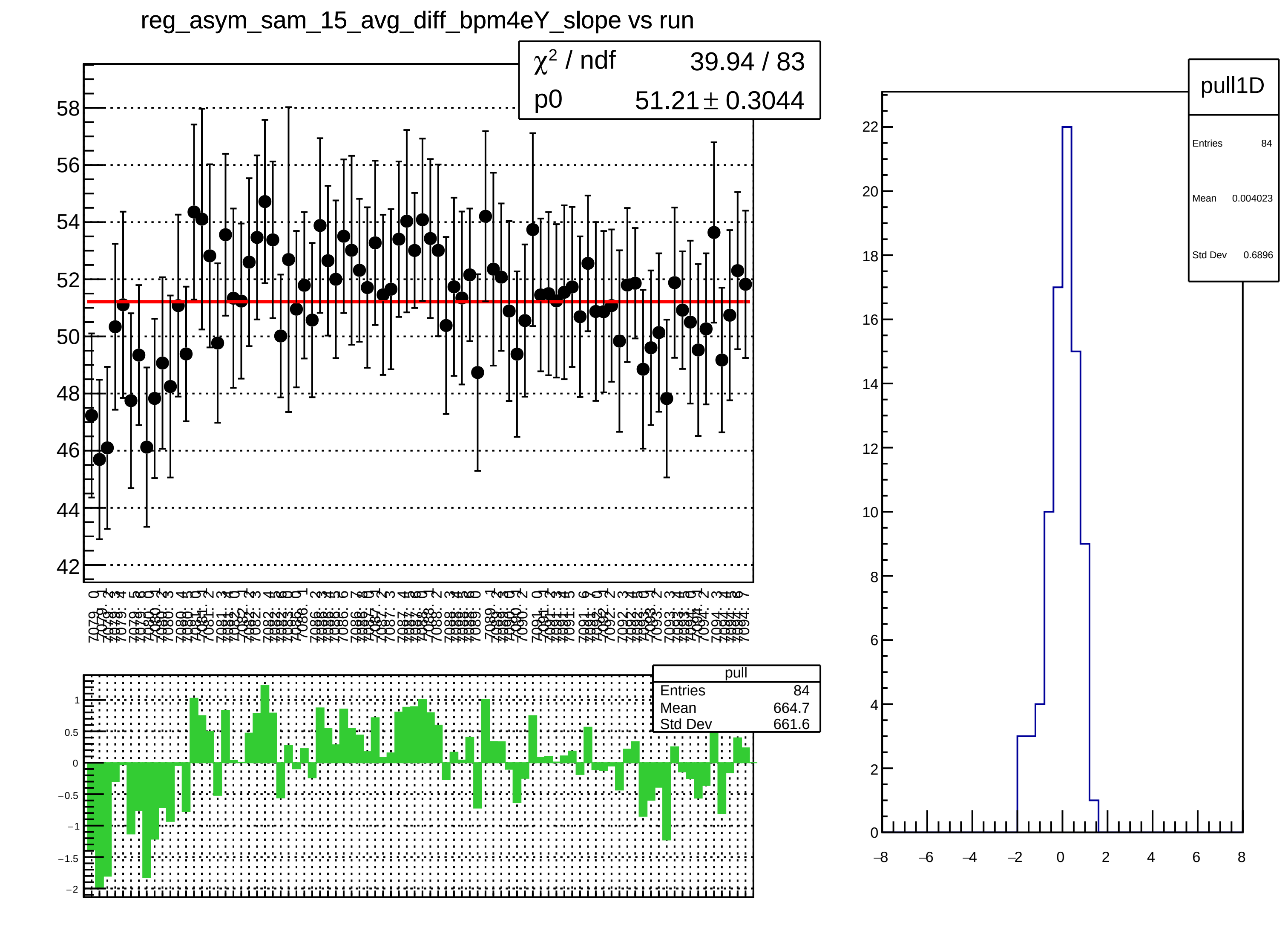
reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 127.9 / 83
p0 −19.11 ± 0.03767
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 84
Mean −1349
Std Dev 1385
pull1D
Entries 84
Mean 0.01487
Std Dev 1.234


reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 176.8 / 83
p0 −6.502 ± 0.381
pull
Entries 84
Mean 245.8
Std Dev 216.3
pull1D
Entries 84
Mean 0.07484
Std Dev 1.449


reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 70.82 / 83
p0 −0.1759 ± 0.2895
pull
Entries 84
Mean −947.2
Std Dev 964.9
pull1D
Entries 84
Mean 0.006169
Std Dev 0.9182

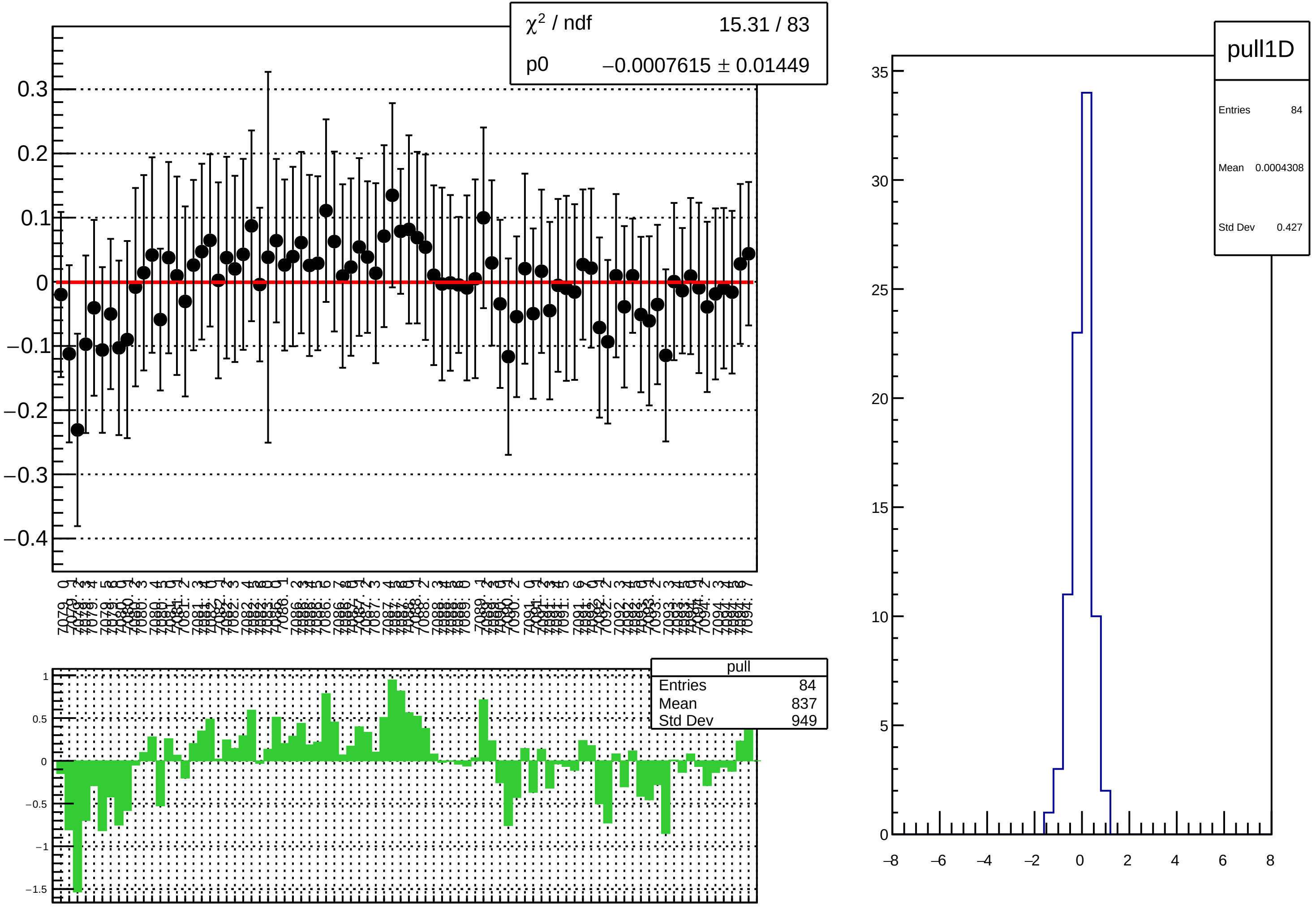


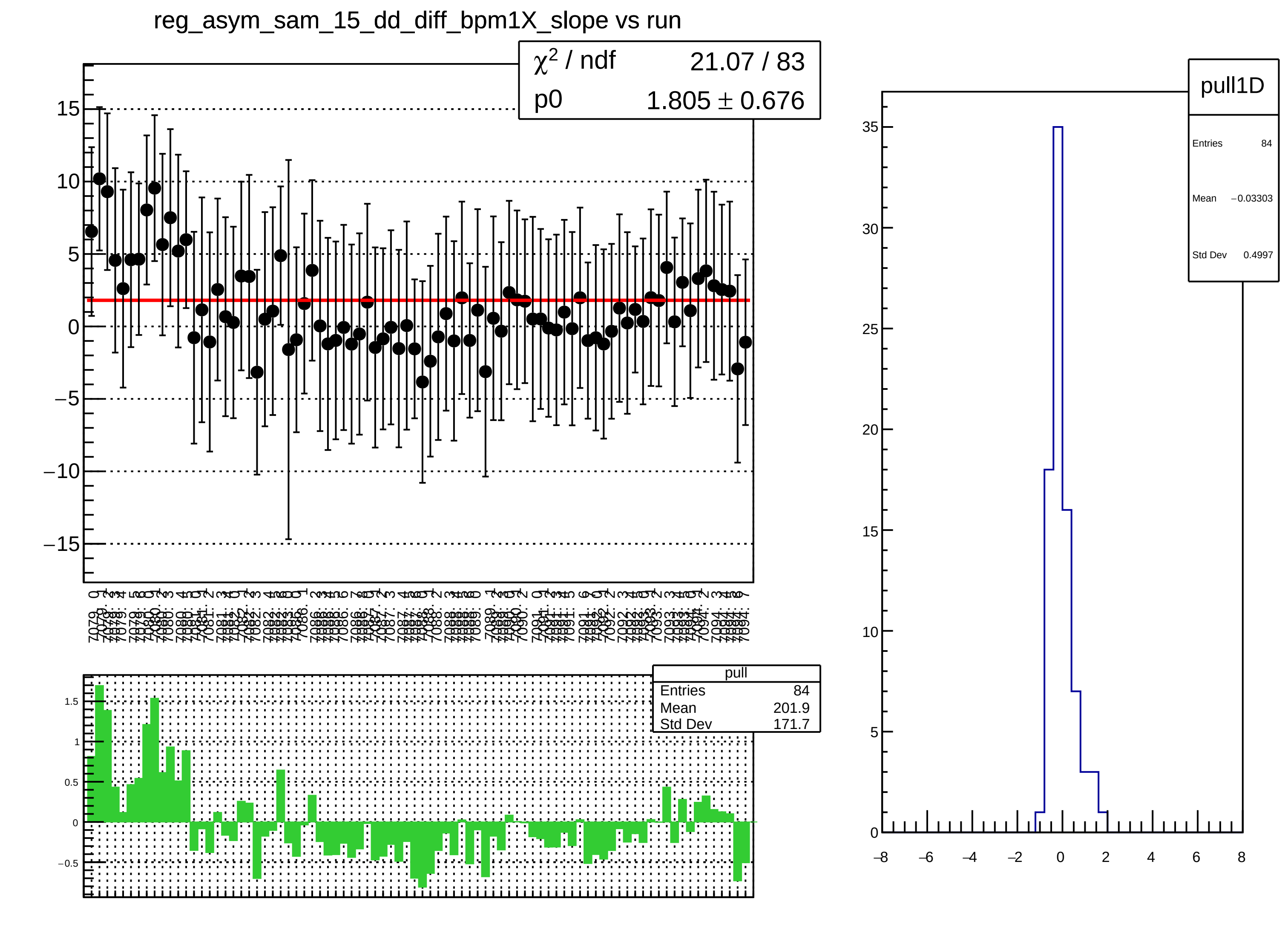
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 173.4 / 83
p0 4.428 ± 0.3675
pull
Entries 84
Mean 238.1
Std Dev 208.3
pull1D
Entries 84
Mean −0.07811
Std Dev 1.434



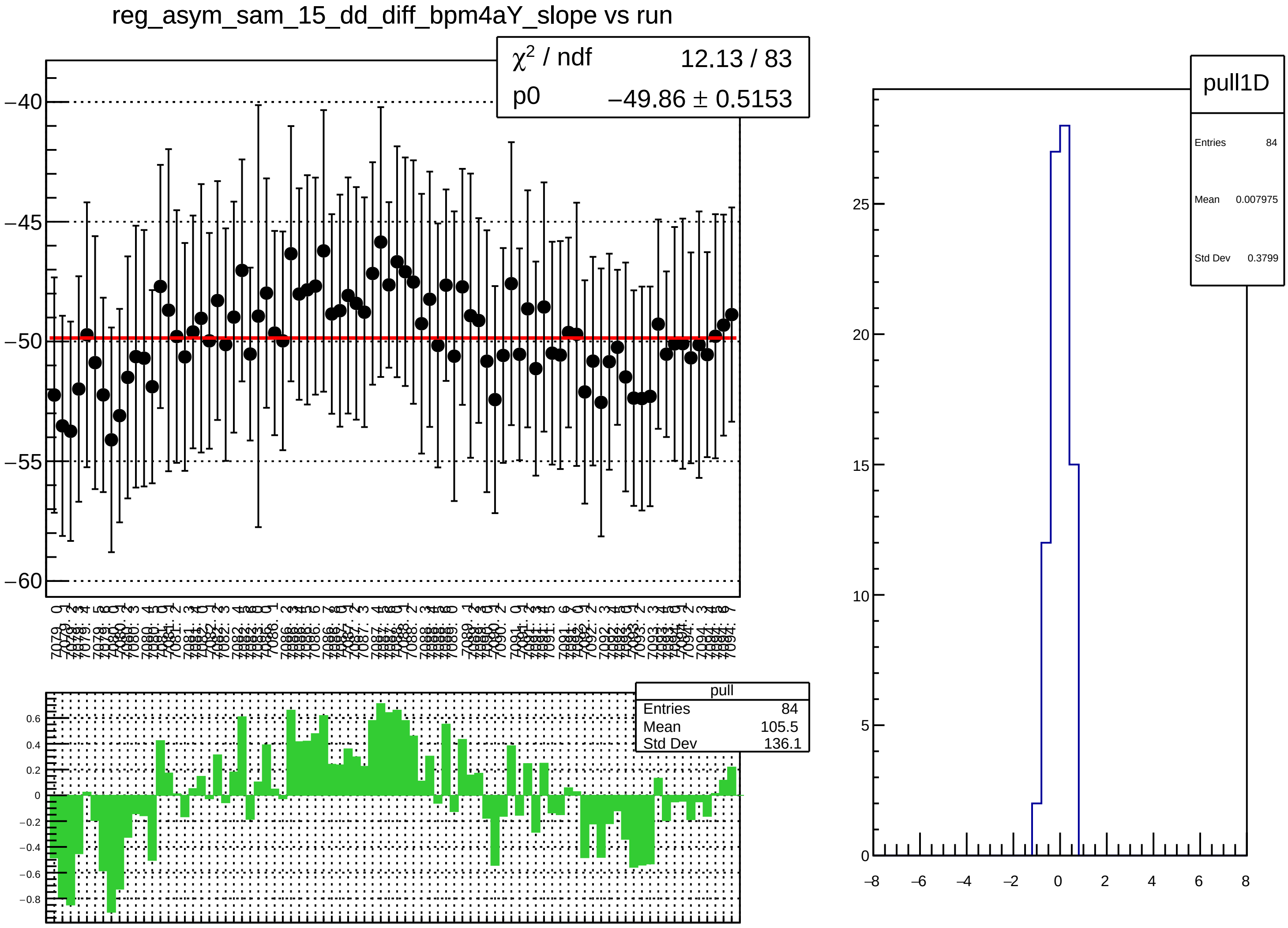
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ2 / ndf 39.94 / 83
p0 51.21 ± 0.3044
pull
Entries 84
Mean 664.7
Std Dev 661.6
pull1D
Entries 84
Mean 0.004023
Std Dev 0.6896

reg_asym_sam_15_avg_diff_bpm12X_slope vs run

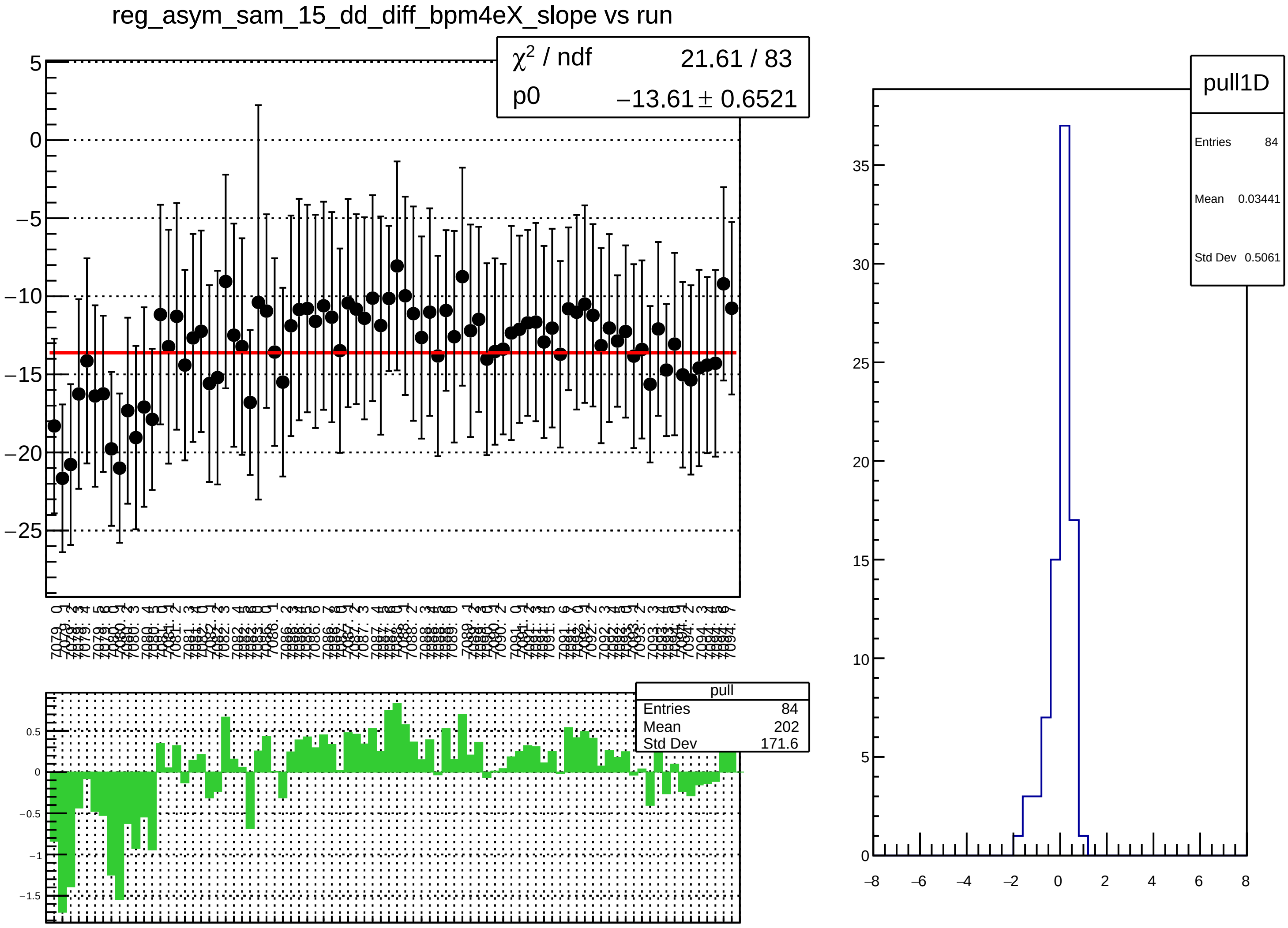


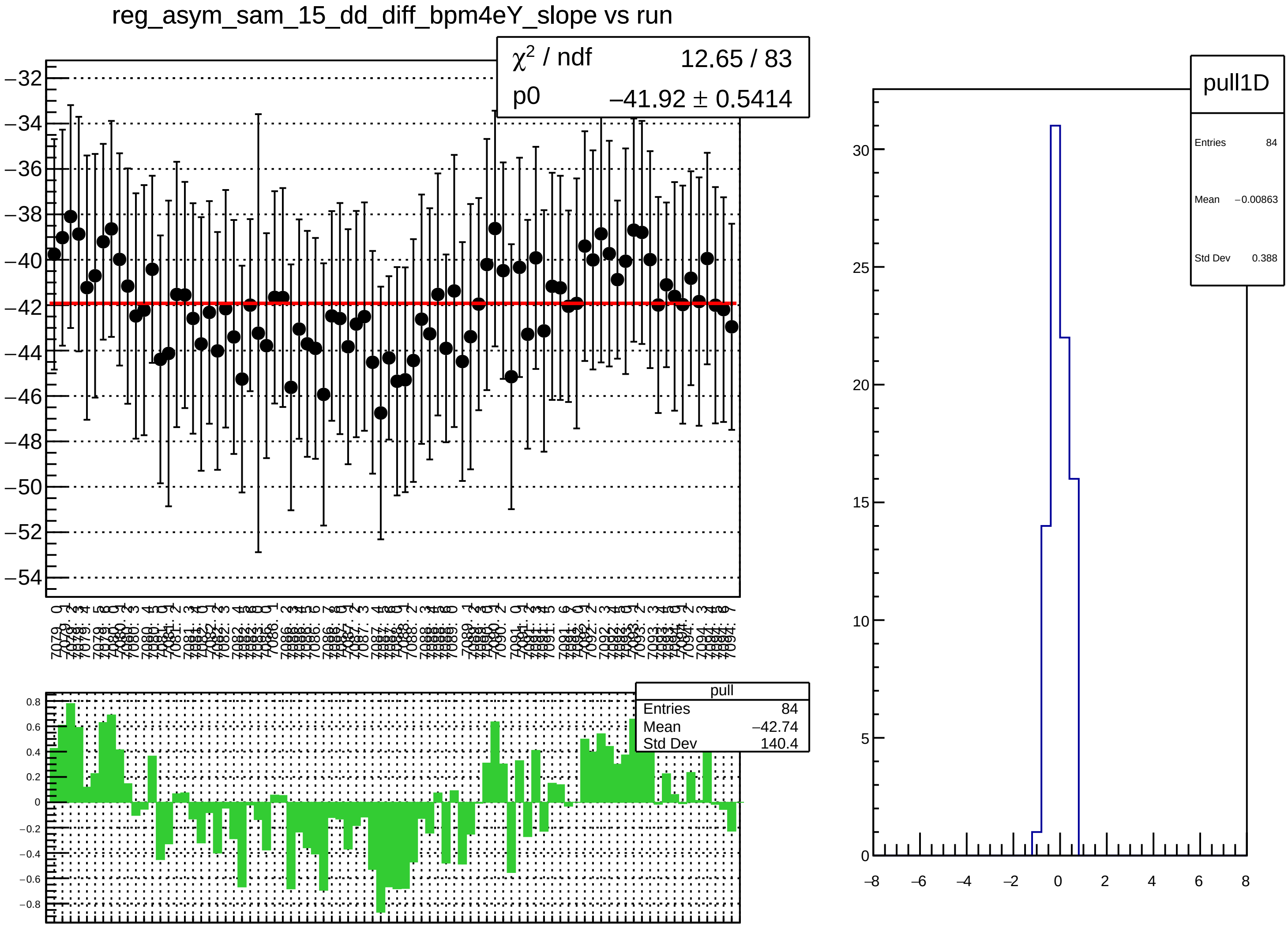


reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 21.07 / 83
p0 1.805 ± 0.676
pull
Entries 84
Mean 201.9
Std Dev 171.7
pull1D
Entries 84
Mean −0.03303
Std Dev 0.4997

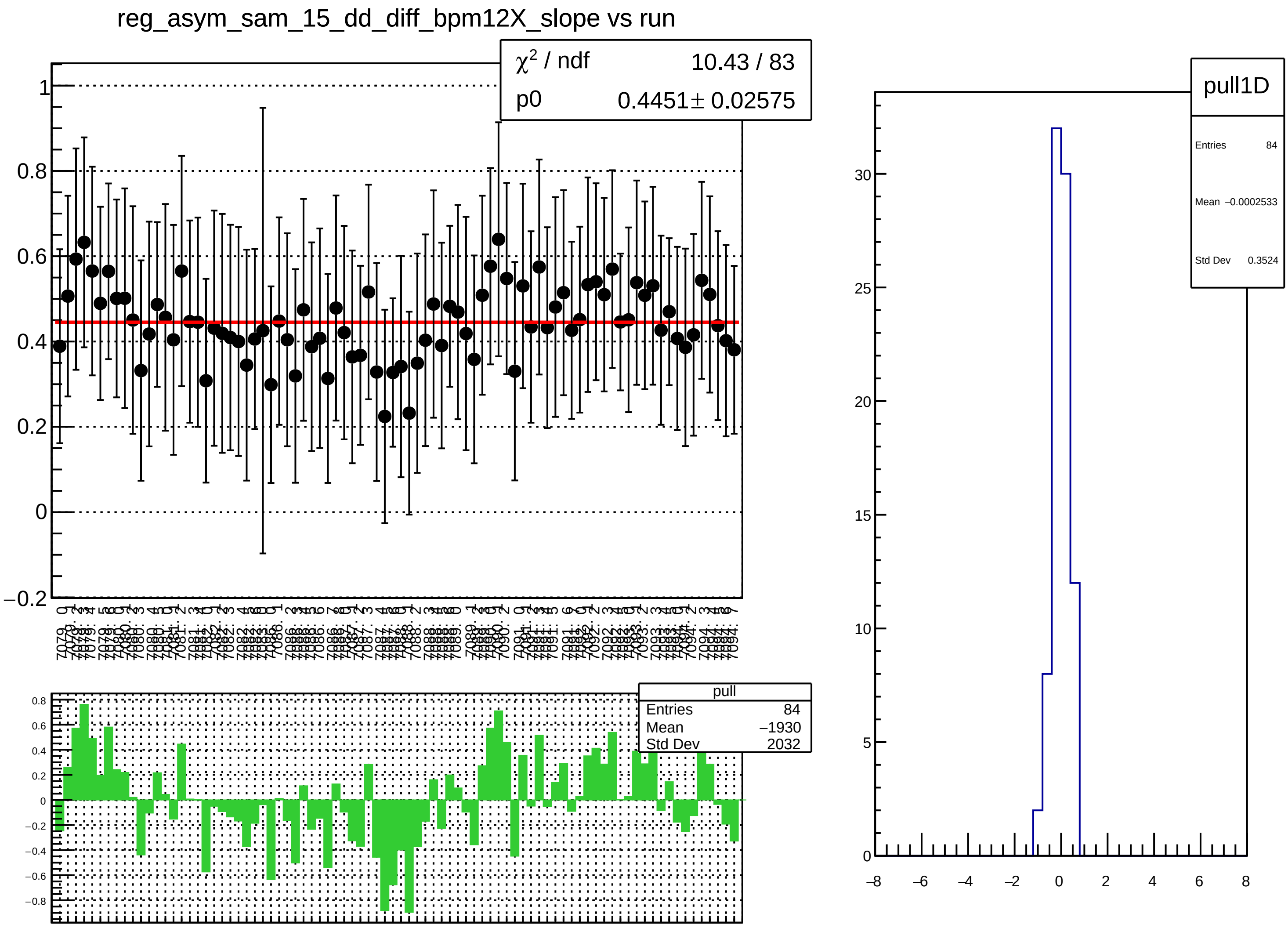


reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 12.13 / 83
p0 −49.86 ± 0.5153
pull
Entries 84
Mean 105.5
Std Dev 136.1
pull1D
Entries 84
Mean 0.007975
Std Dev 0.3799

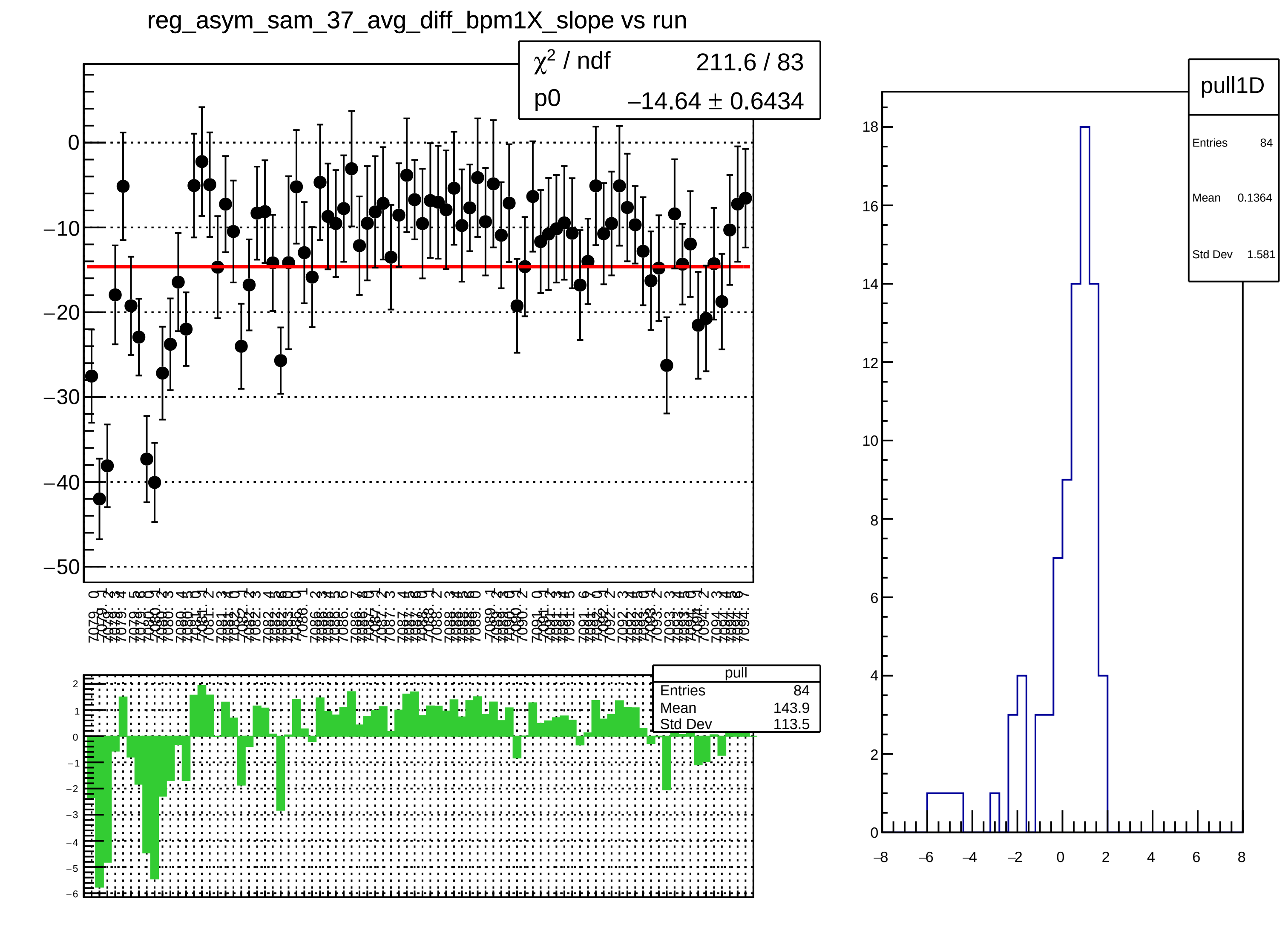

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 21.61 / 83
p0 −13.61 ± 0.6521
pull
Entries 84
Mean 202
Std Dev 171.6
pull1D
Entries 84
Mean 0.03441
Std Dev 0.5061



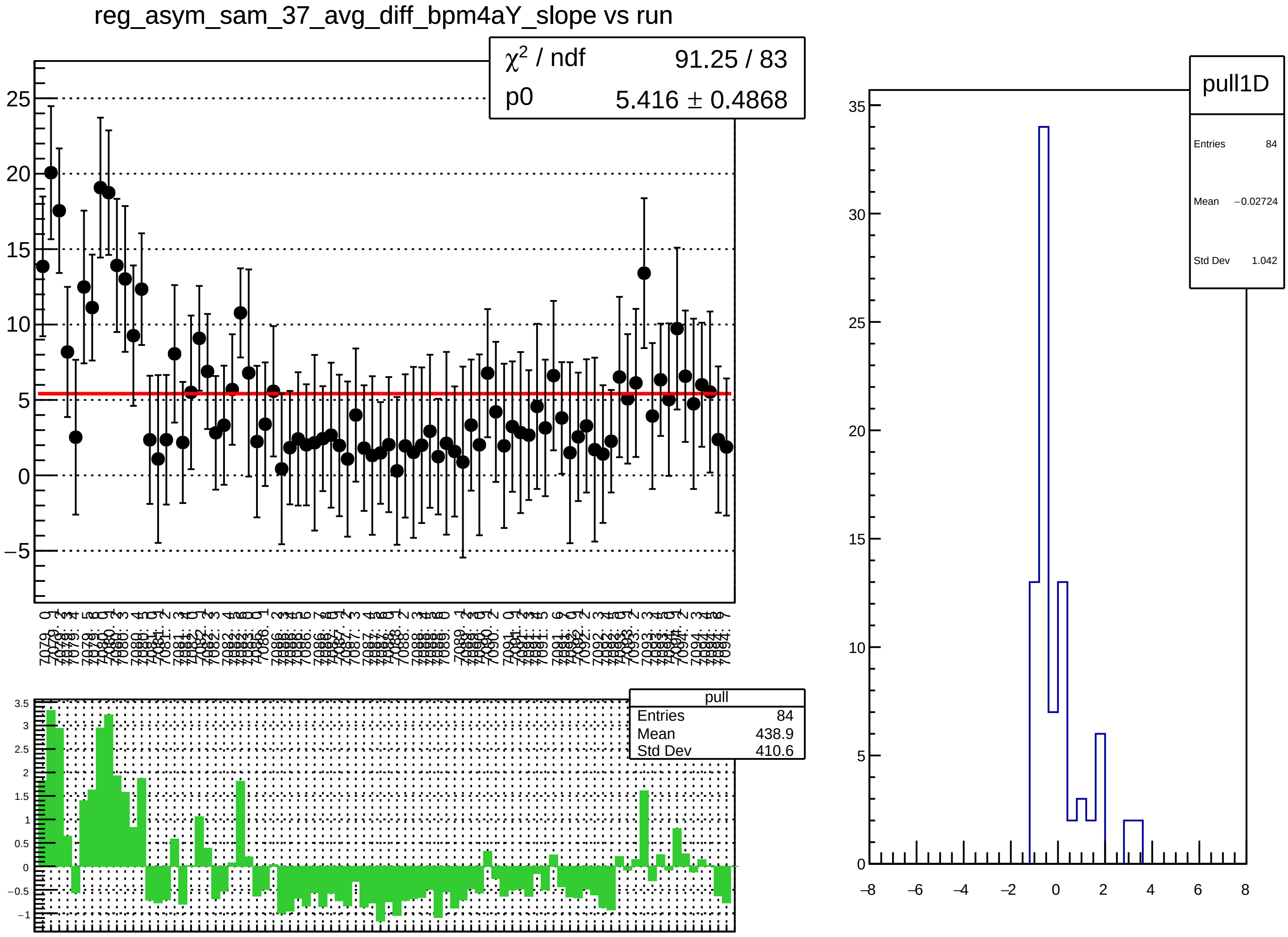
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 12.65 / 83
p0 −41.92 ± 0.5414
pull
Entries 84
Mean −42.74
Std Dev 140.4
pull1D
Entries 84
Mean −0.00863
Std Dev 0.388



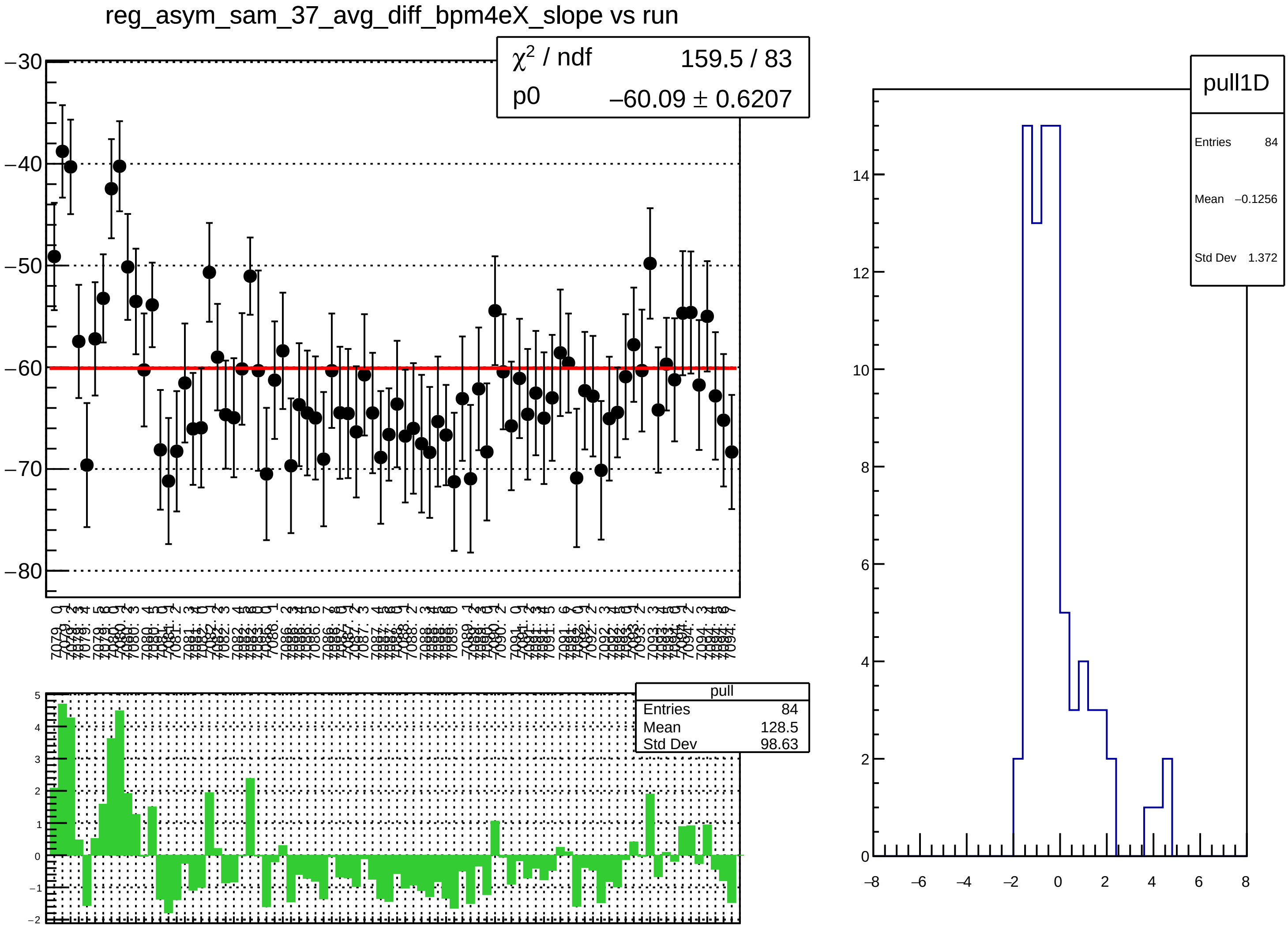
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.43 / 83
p0 0.4451 ± 0.02575
pull
Entries 84
Mean −1930
Std Dev 2032
pull1D
Entries 84
Mean −0.0002533
Std Dev 0.3524



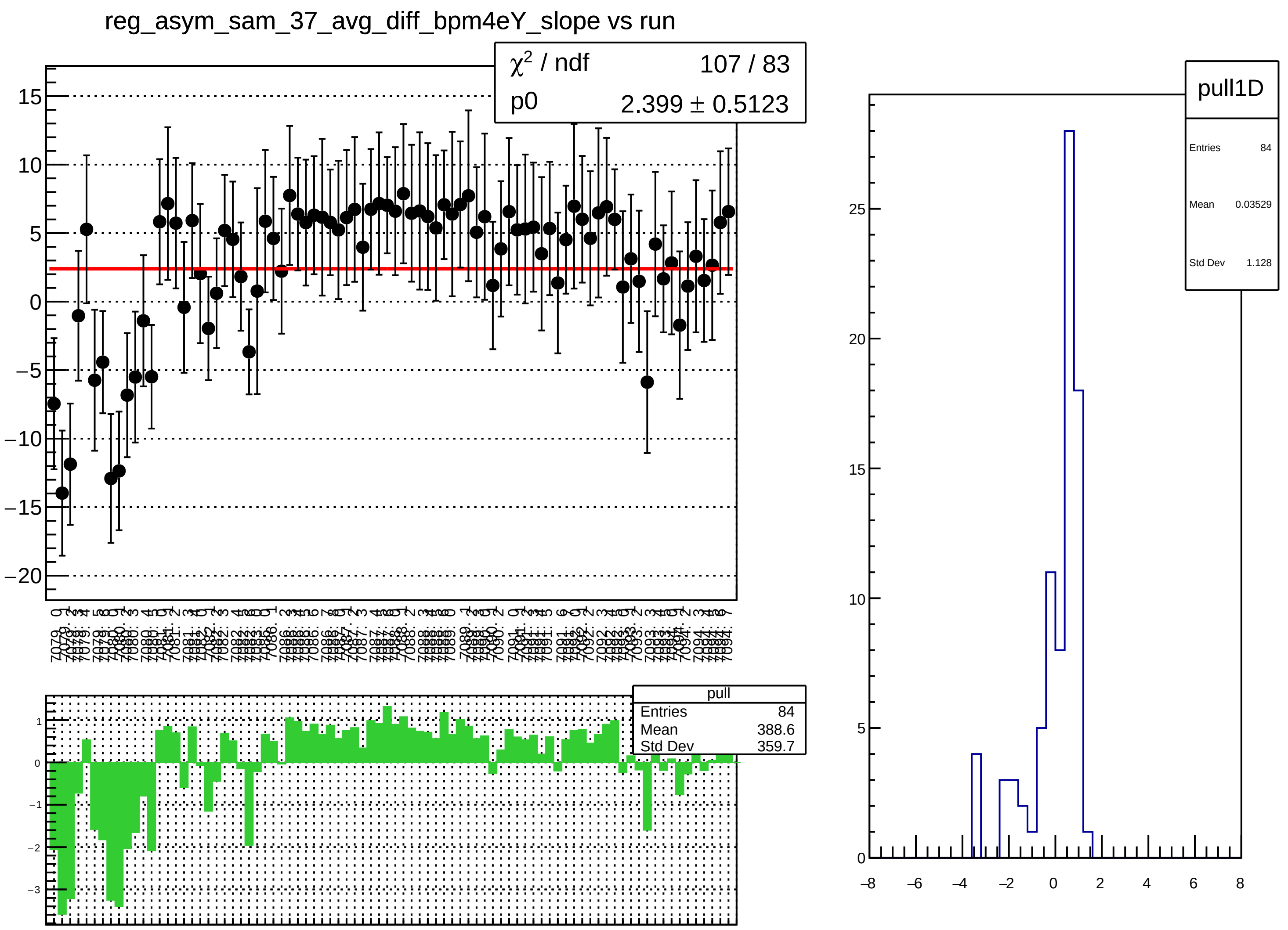
reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ2 / ndf 211.6 / 83
p0 −14.64 ± 0.6434
pull
Entries 84
Mean 143.9
Std Dev 113.5
pull1D
Entries 84
Mean 0.1364
Std Dev 1.581



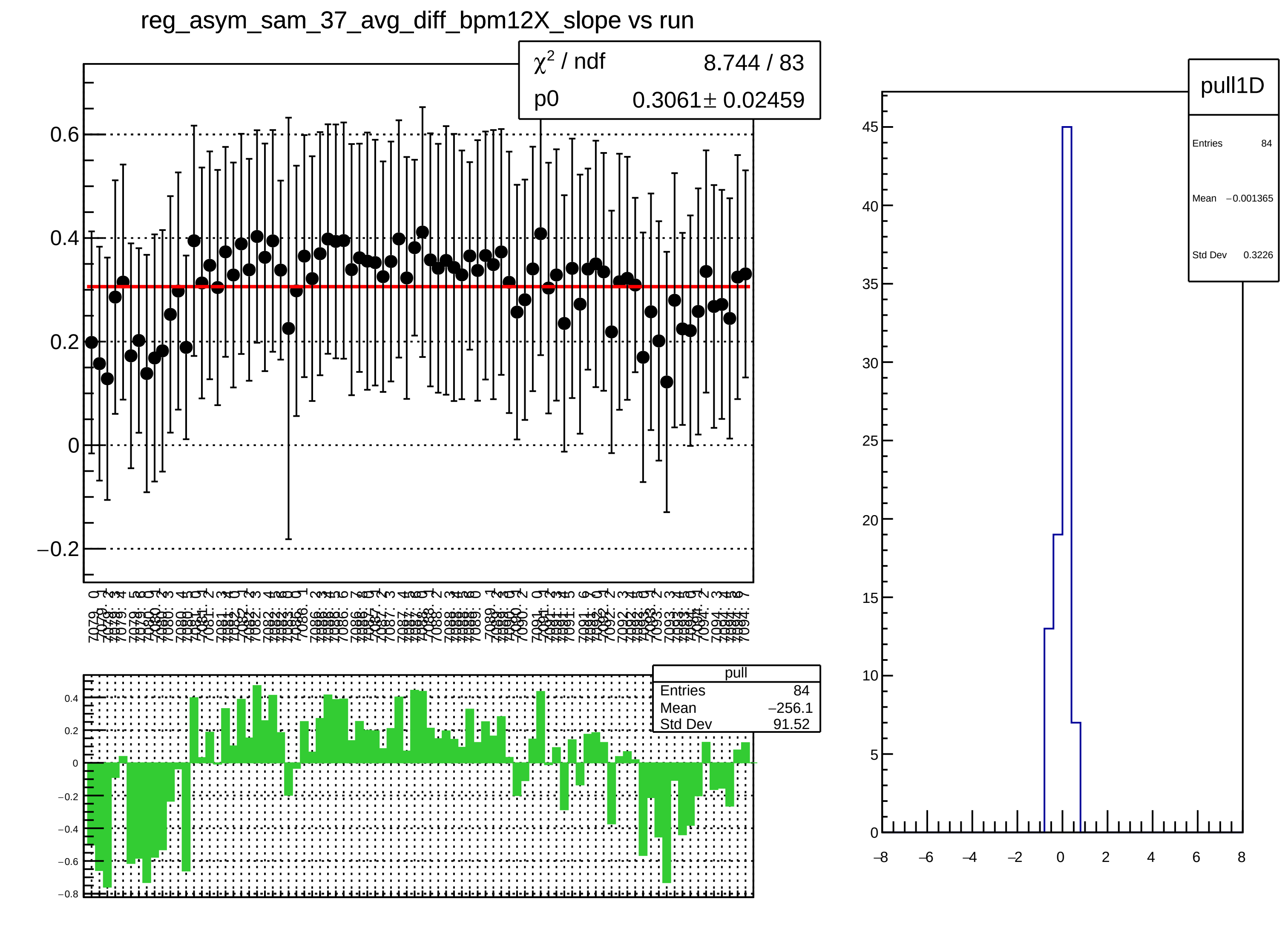
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 91.25 / 83
p0 5.416 ± 0.4868
pull
Entries 84
Mean 438.9
Std Dev 410.6
pull1D
Entries 84
Mean −0.02724
Std Dev 1.042



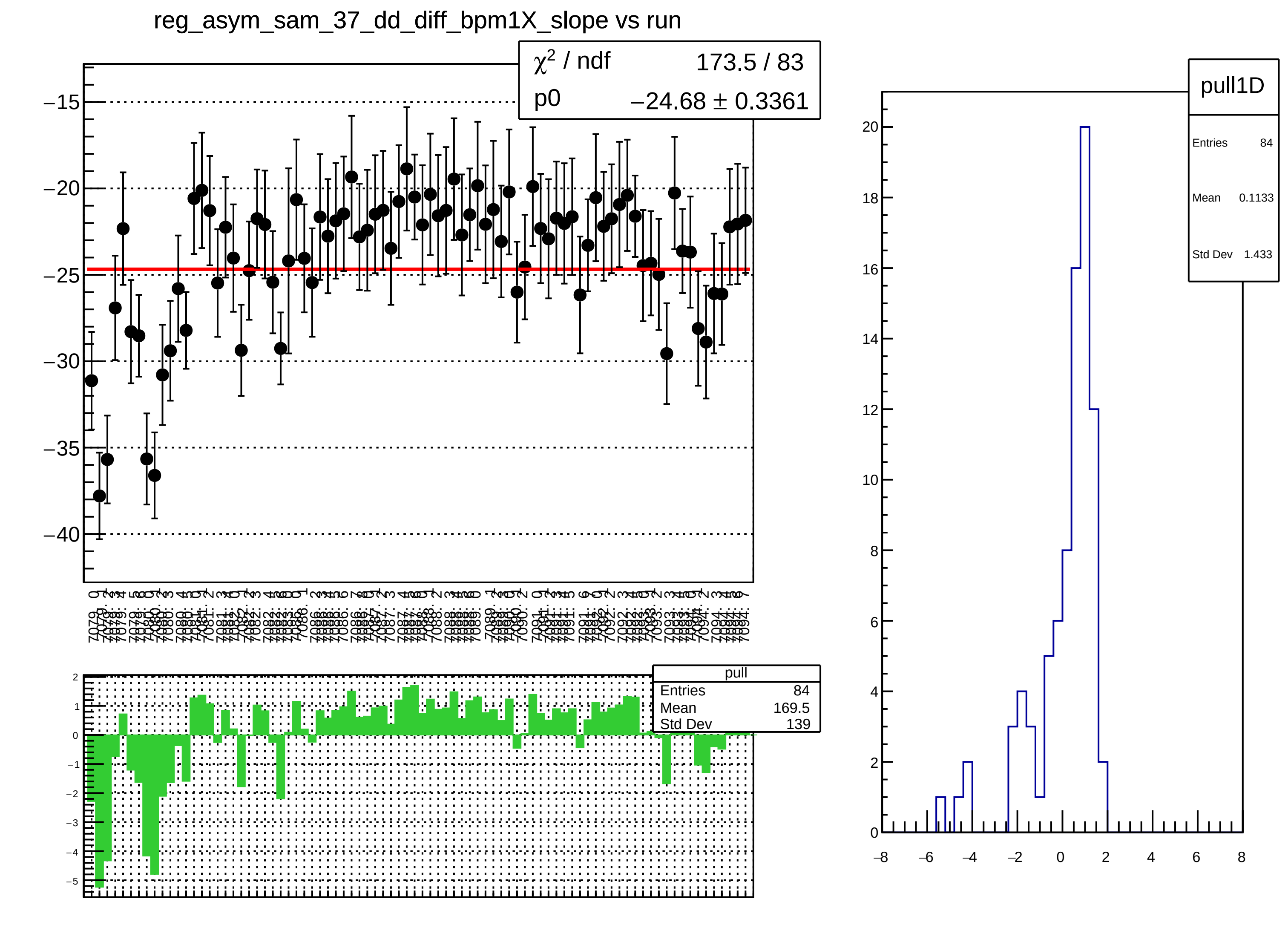
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ2 / ndf 159.5 / 83
p0 −60.09 ± 0.6207
pull
Entries 84
Mean 128.5
Std Dev 98.63
pull1D
Entries 84
Mean −0.1256
Std Dev 1.372



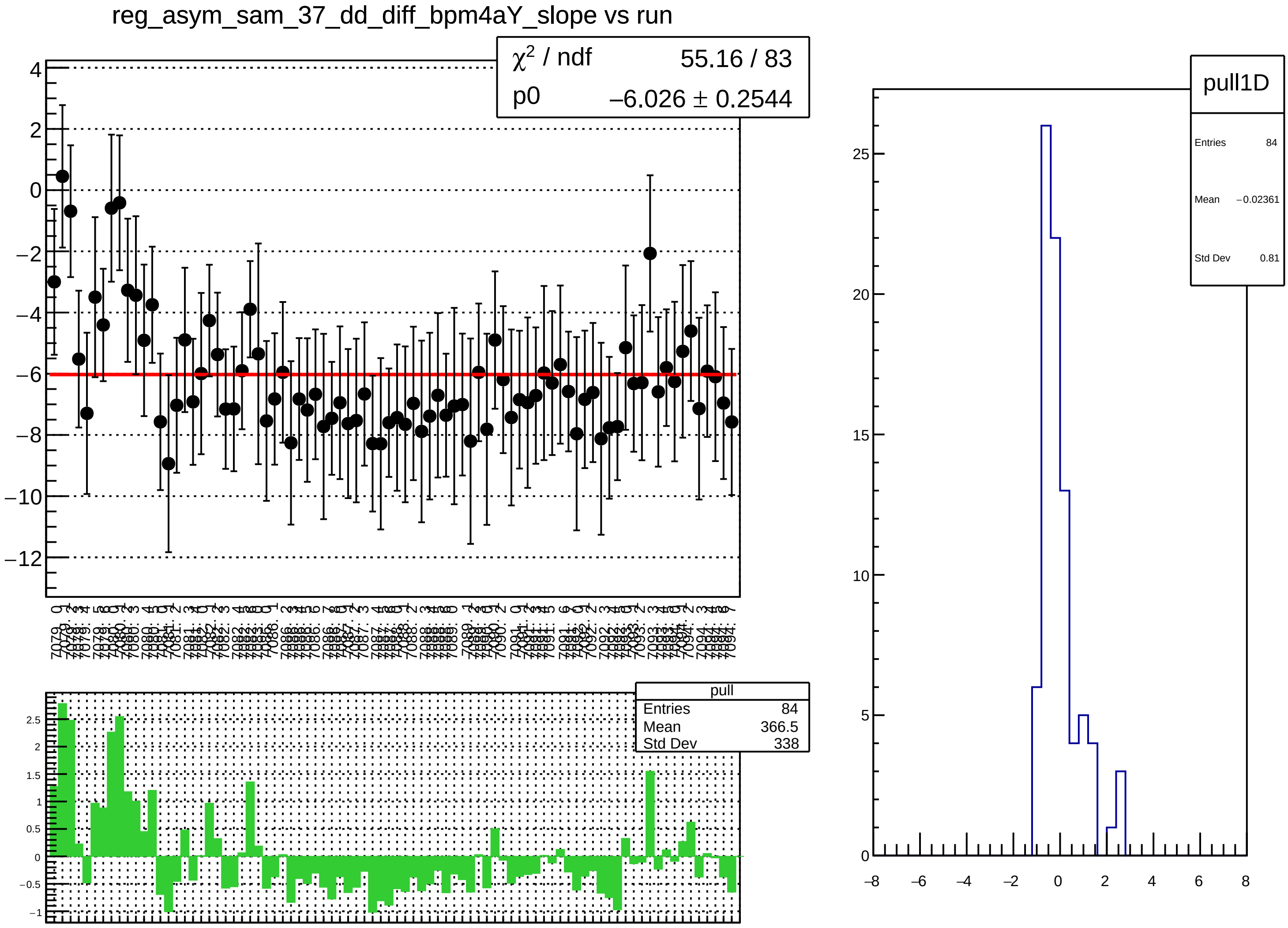
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ2 / ndf 107 / 83
p0 2.399 ± 0.5123
pull1D
Entries 84
Mean 0.03529
Std Dev 1.128
pull
Entries 84
Mean 388.6
Std Dev 359.7



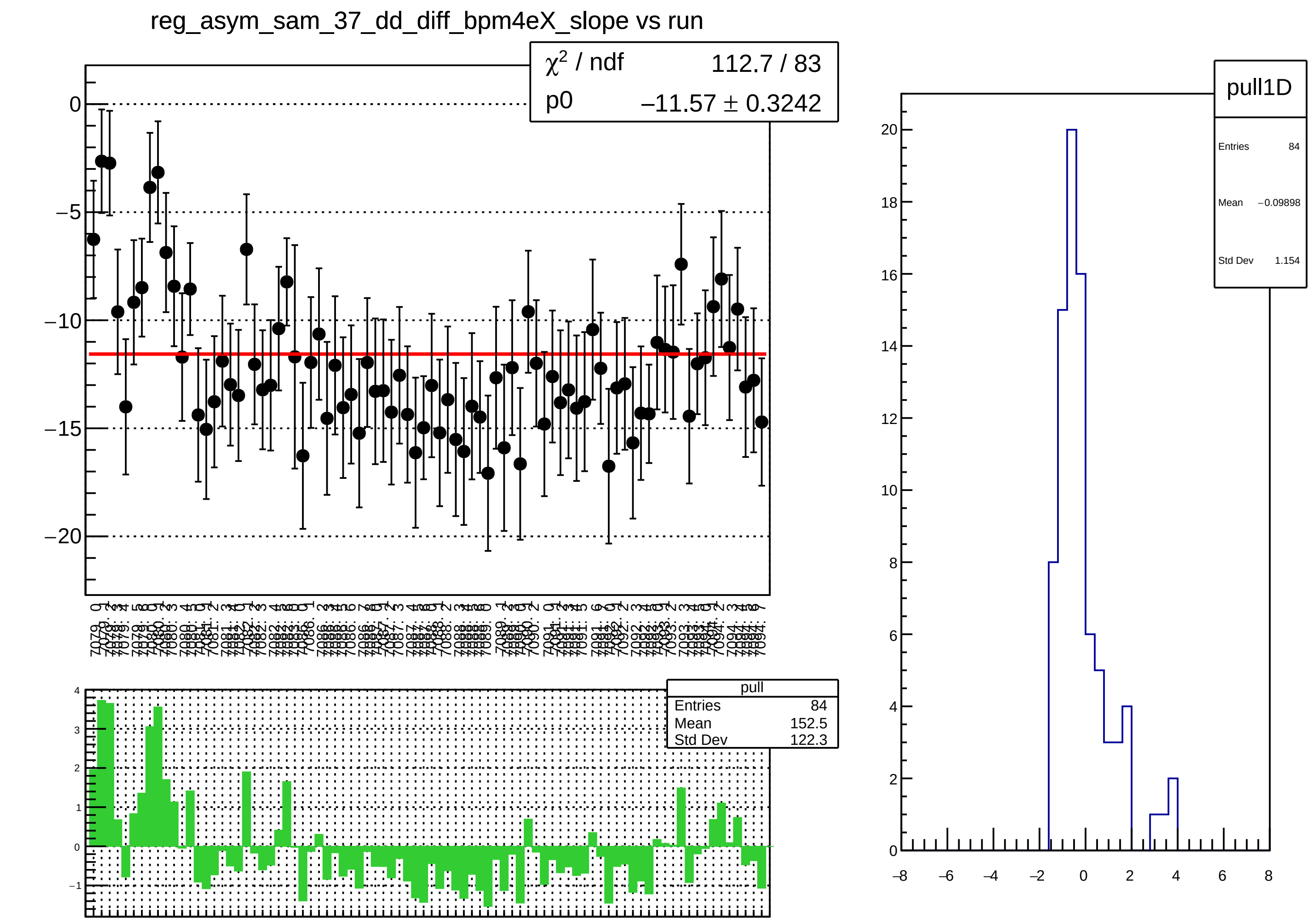
reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.744 / 83
p0 0.3061 ± 0.02459
pull
Entries 84
Mean −256.1
Std Dev 91.52
pull1D
Entries 84
Mean −0.001365
Std Dev 0.3226



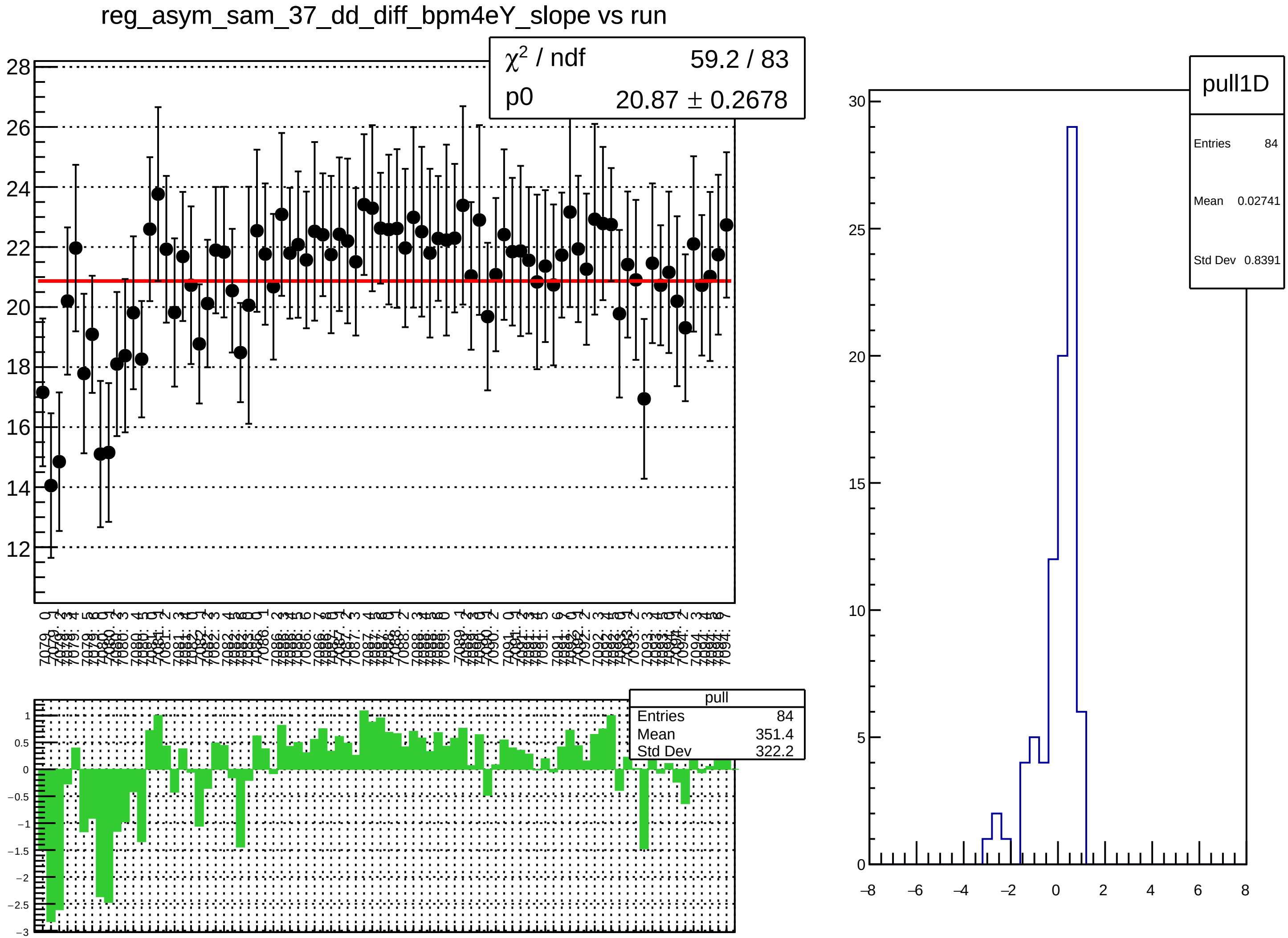
reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 173.5 / 83
p0 −24.68 ± 0.3361
pull
Entries 84
Mean 169.5
Std Dev 139
pull1D
Entries 84
Mean 0.1133
Std Dev 1.433



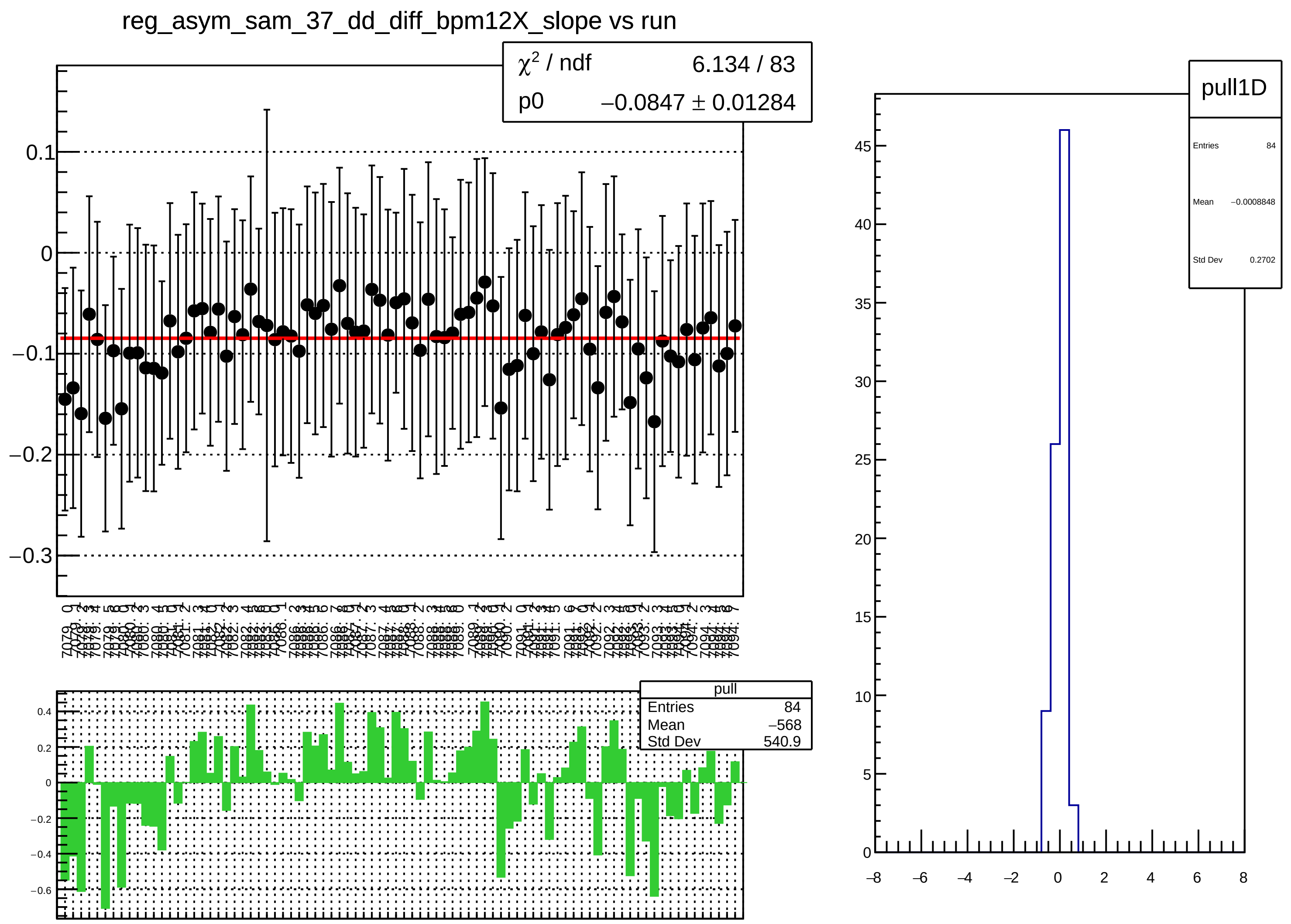
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 55.16 / 83
p0 −6.026 ± 0.2544
pull
Entries 84
Mean 366.5
Std Dev 338
pull1D
Entries 84
Mean −0.02361
Std Dev 0.81

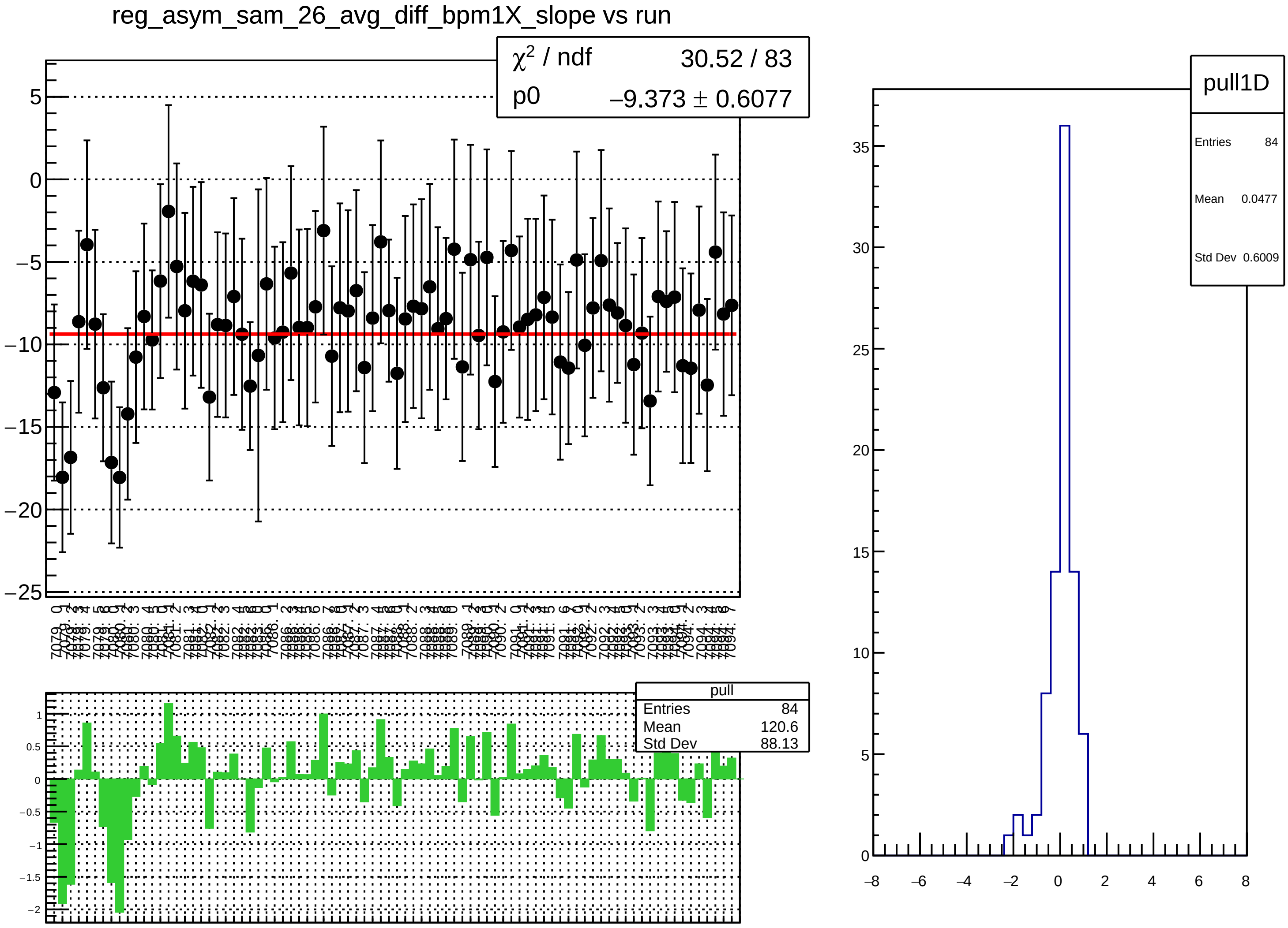


reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 112.7 / 83
p0 −11.57 ± 0.3242
pull
Entries 84
Mean 152.5
Std Dev 122.3
pull1D
Entries 84
Mean −0.09898
Std Dev 1.154

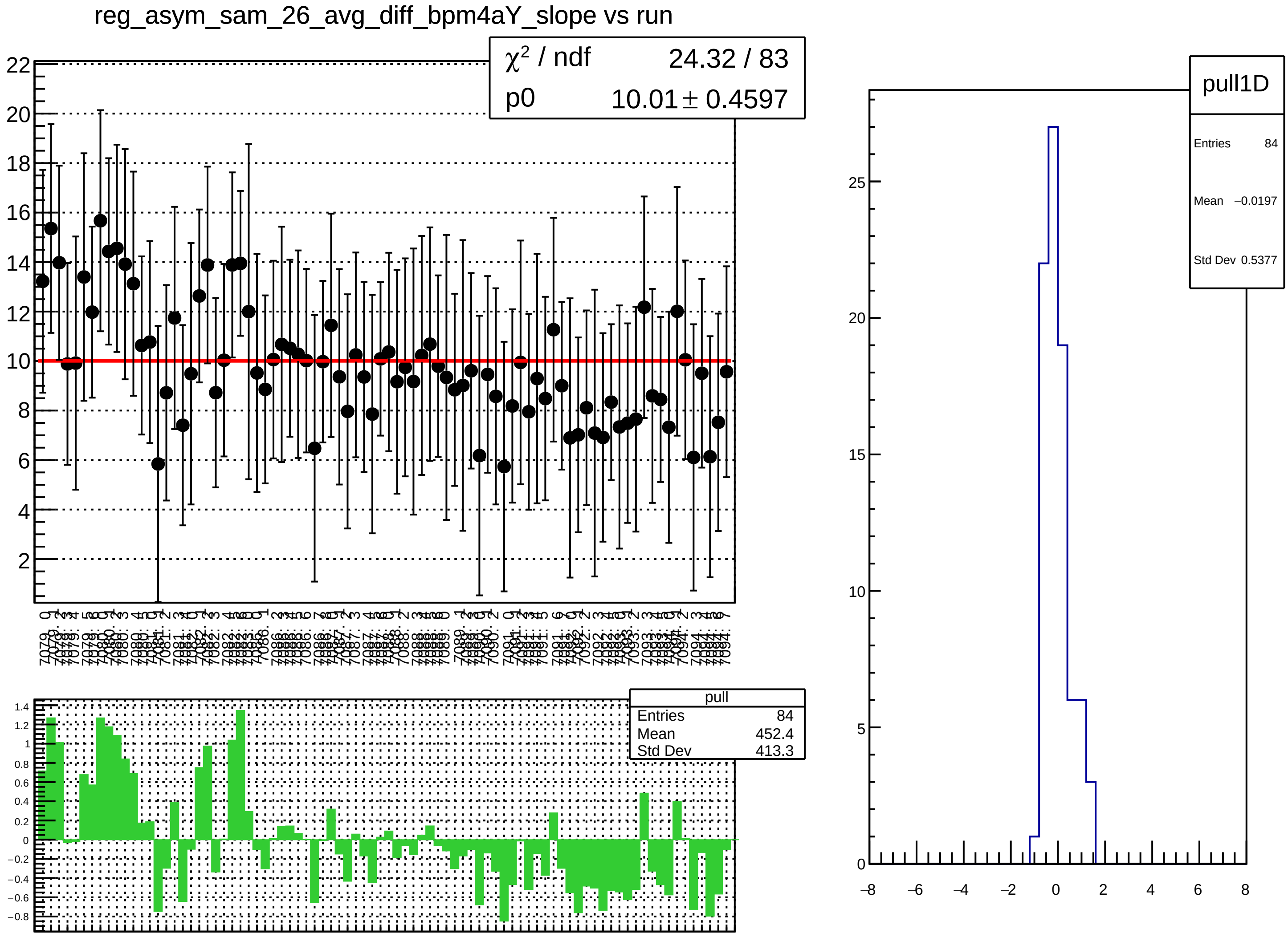


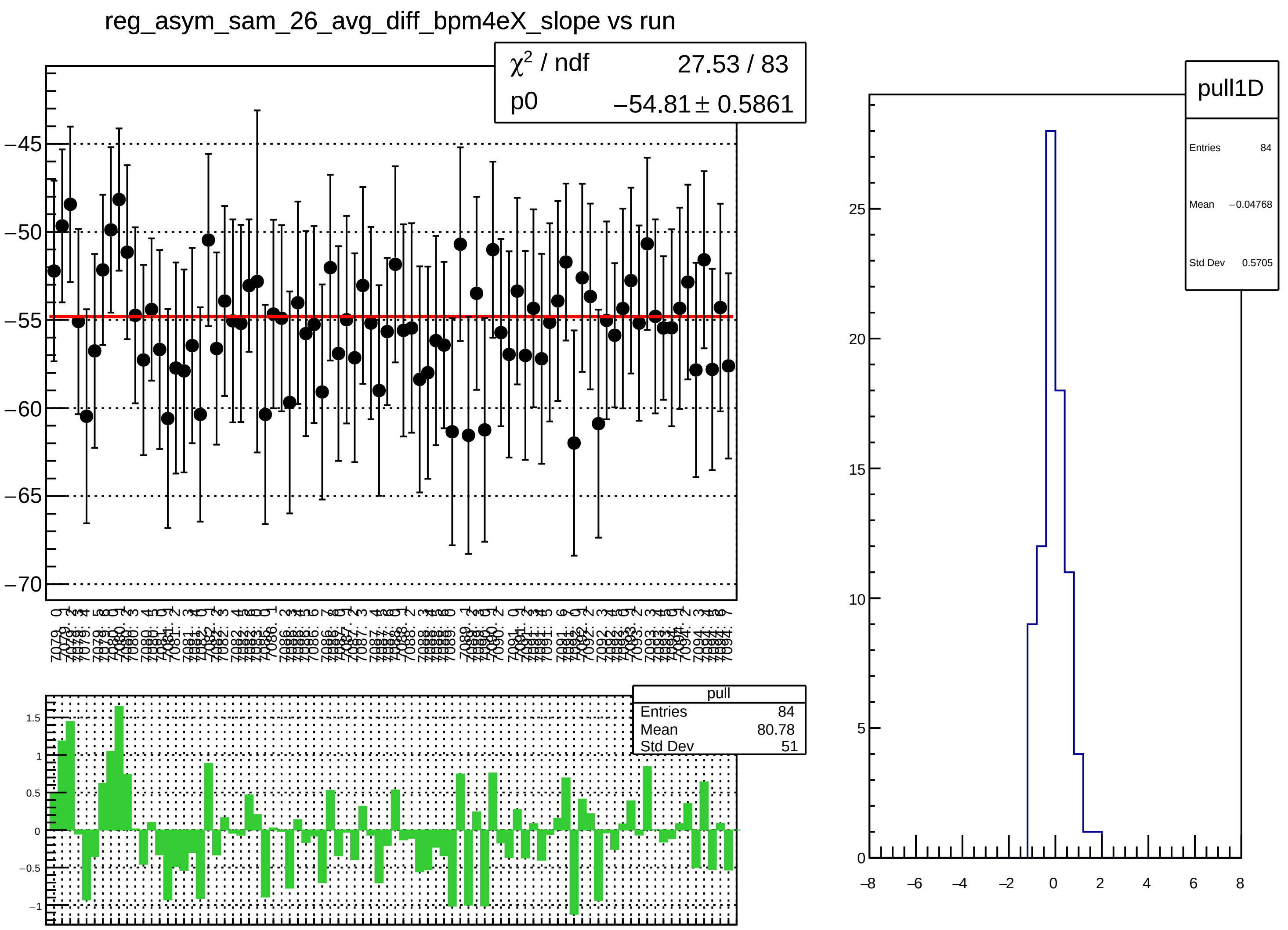
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 59.2 / 83
p0 20.87 ± 0.2678
pull
Entries 84
Mean 351.4
Std Dev 322.2
pull1D
Entries 84
Mean 0.02741
Std Dev 0.8391

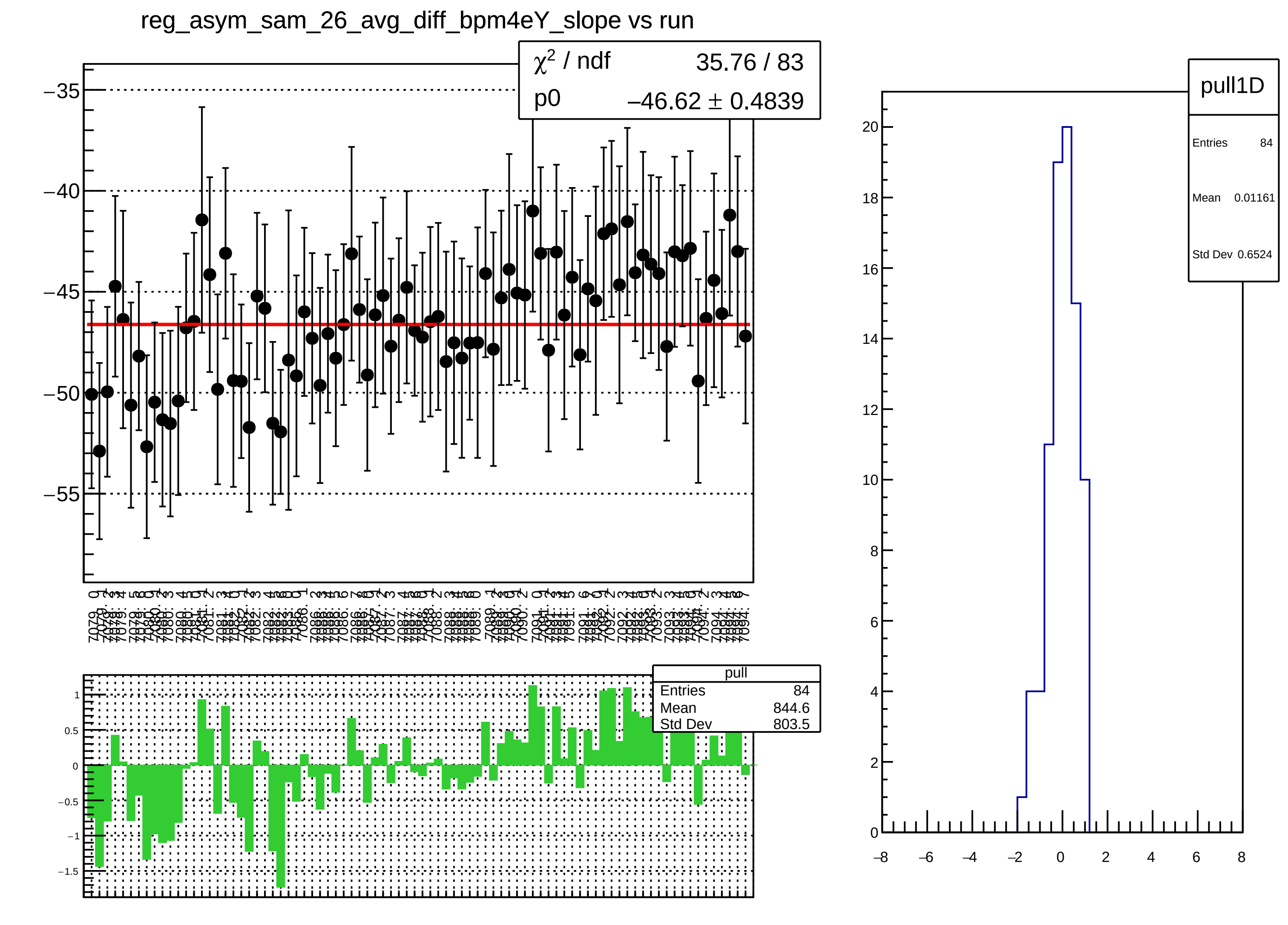

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ2 / ndf 6.134 / 83
p0 −0.0847 ± 0.01284
0.1
0
−0.1
−0.2
−0.3
pull
Entries 84
Mean −568
Std Dev 540.9
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 84
Mean −0.0008848
Std Dev 0.2702
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



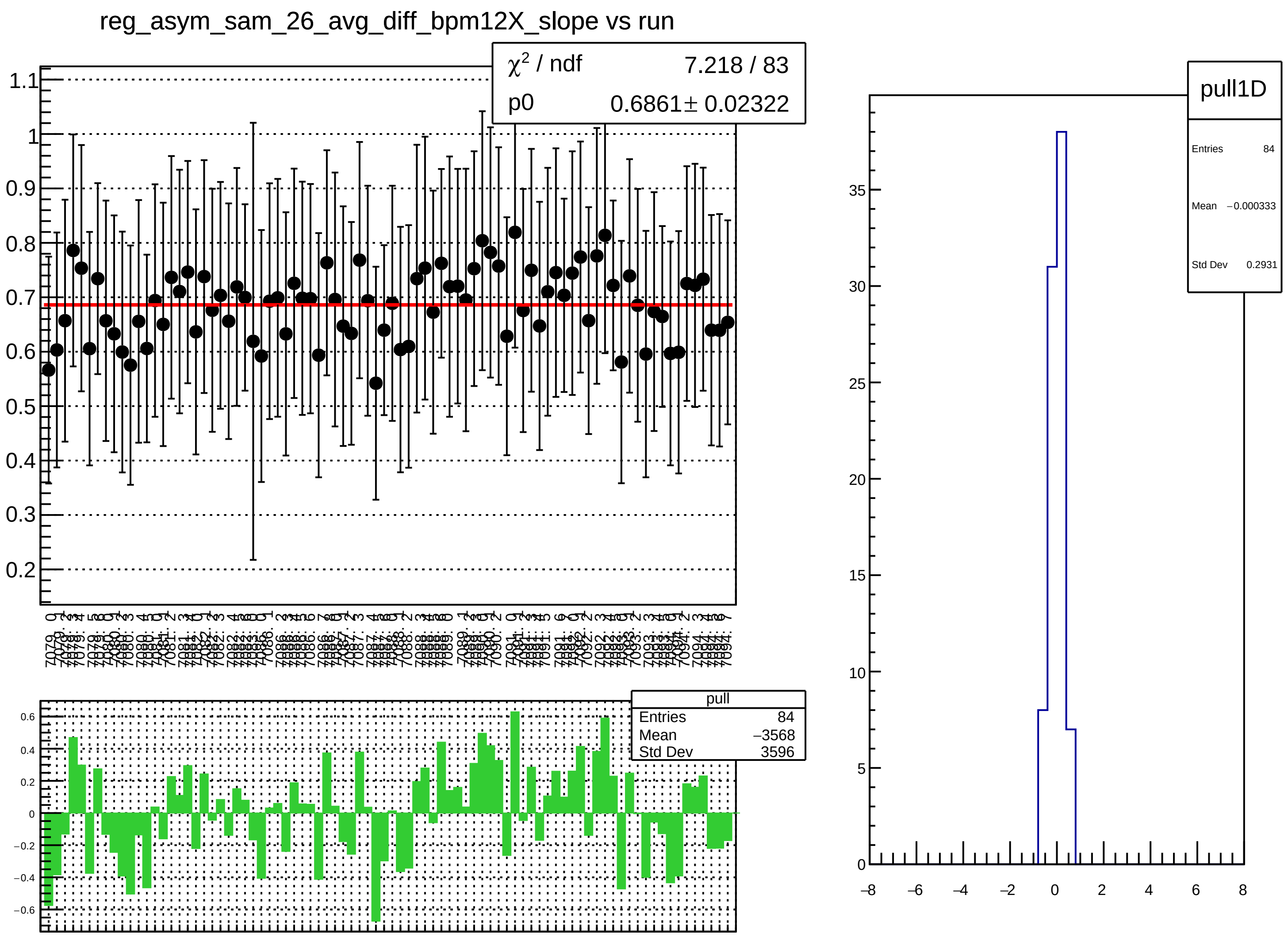
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 30.52 / 83
p0 −9.373 ± 0.6077
pull
Entries 84
Mean 120.6
Std Dev 88.13
pull1D
Entries 84
Mean 0.0477
Std Dev 0.6009


reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ2 / ndf 24.32 / 83
p0 10.01 ± 0.4597
pull
Entries 84
Mean 452.4
Std Dev 413.3
pull1D
Entries 84
Mean −0.0197
Std Dev 0.5377

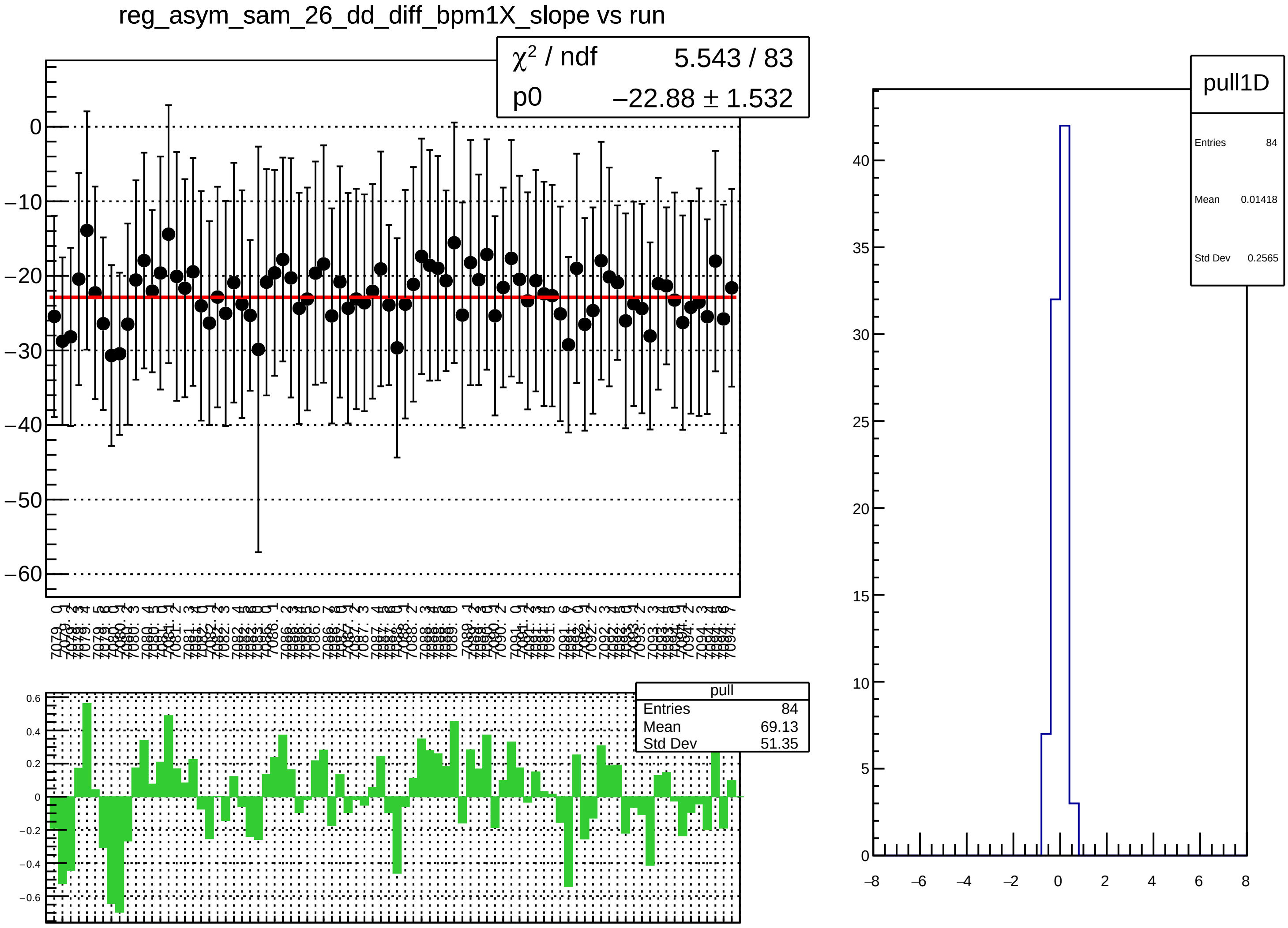

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 27.53 / 83
p0 −54.81 ± 0.5861
pull
Entries 84
Mean 80.78
Std Dev 51
pull1D
Entries 84
Mean −0.04768
Std Dev 0.5705



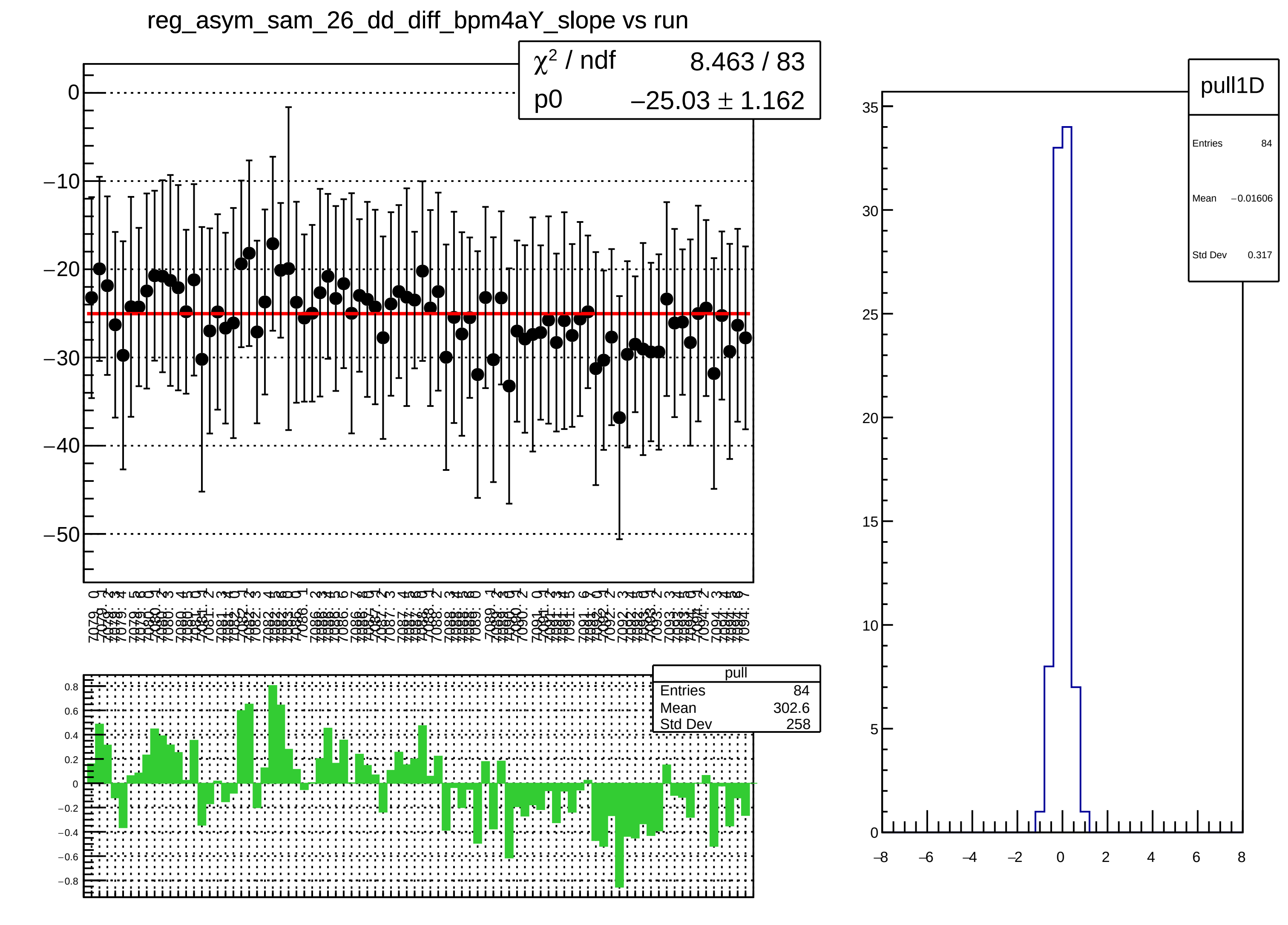
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.76 / 83
p0 −46.62 ± 0.4839
pull
Entries 84
Mean 844.6
Std Dev 803.5
pull1D
Entries 84
Mean 0.01161
Std Dev 0.6524



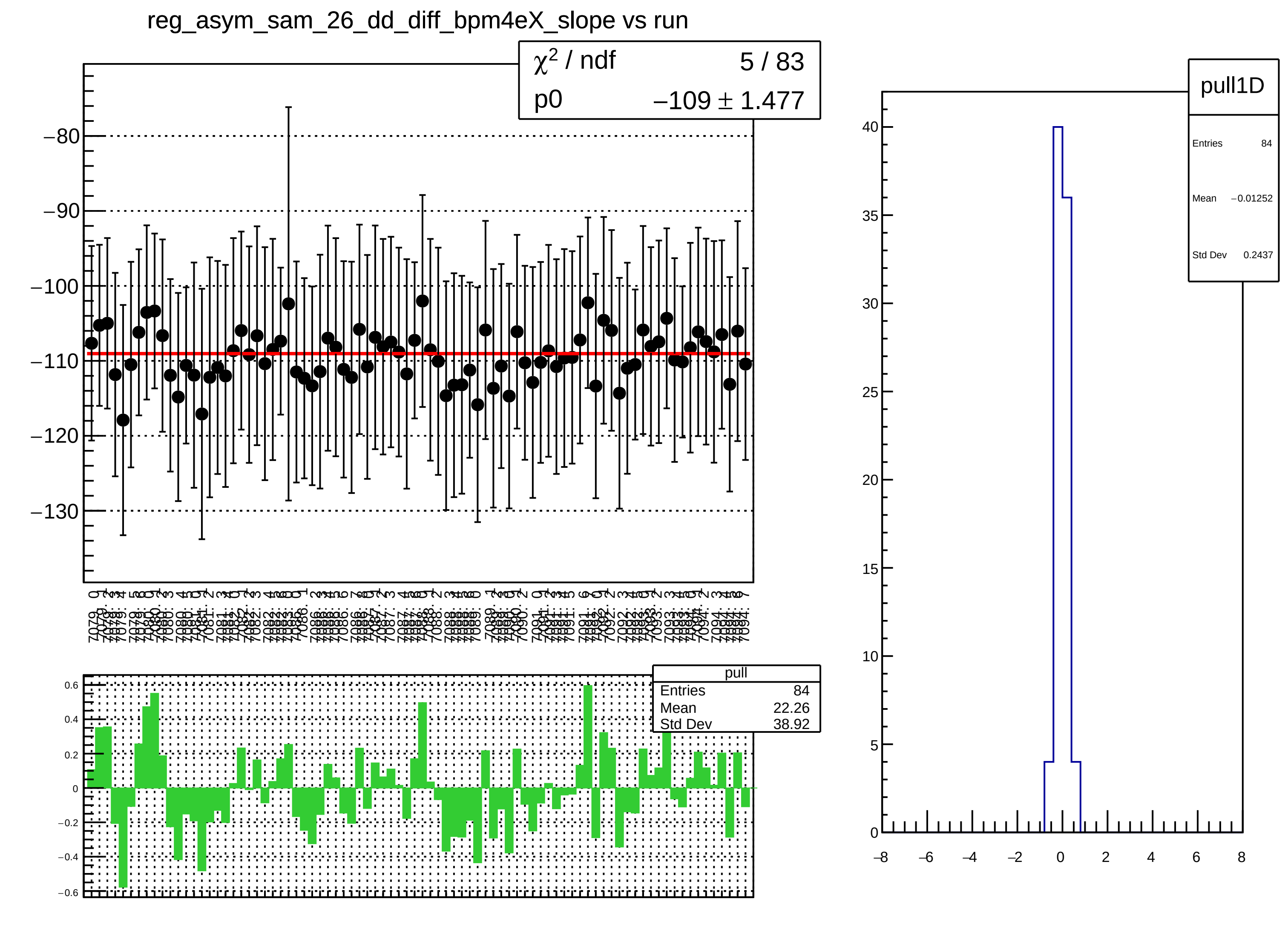
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ2 / ndf 7.218 / 83
p0 0.6861± 0.02322
pull
Entries 84
Mean −3568
Std Dev 3596
pull1D
Entries 84
Mean −0.000333
Std Dev 0.2931

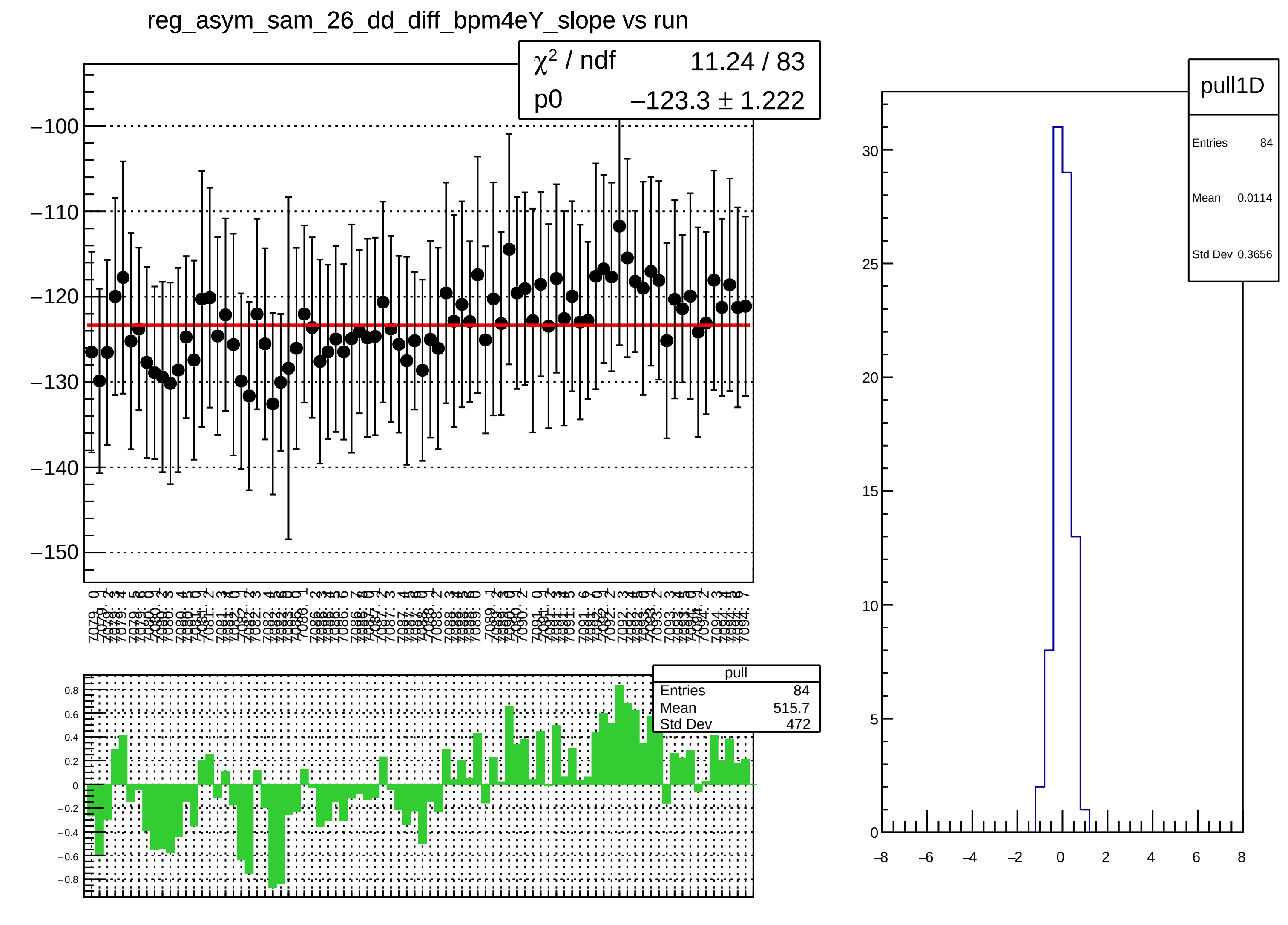


reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 5.543 / 83
p0 −22.88 ± 1.532
pull
Entries 84
Mean 69.13
Std Dev 51.35
pull1D
Entries 84
Mean 0.01418
Std Dev 0.2565

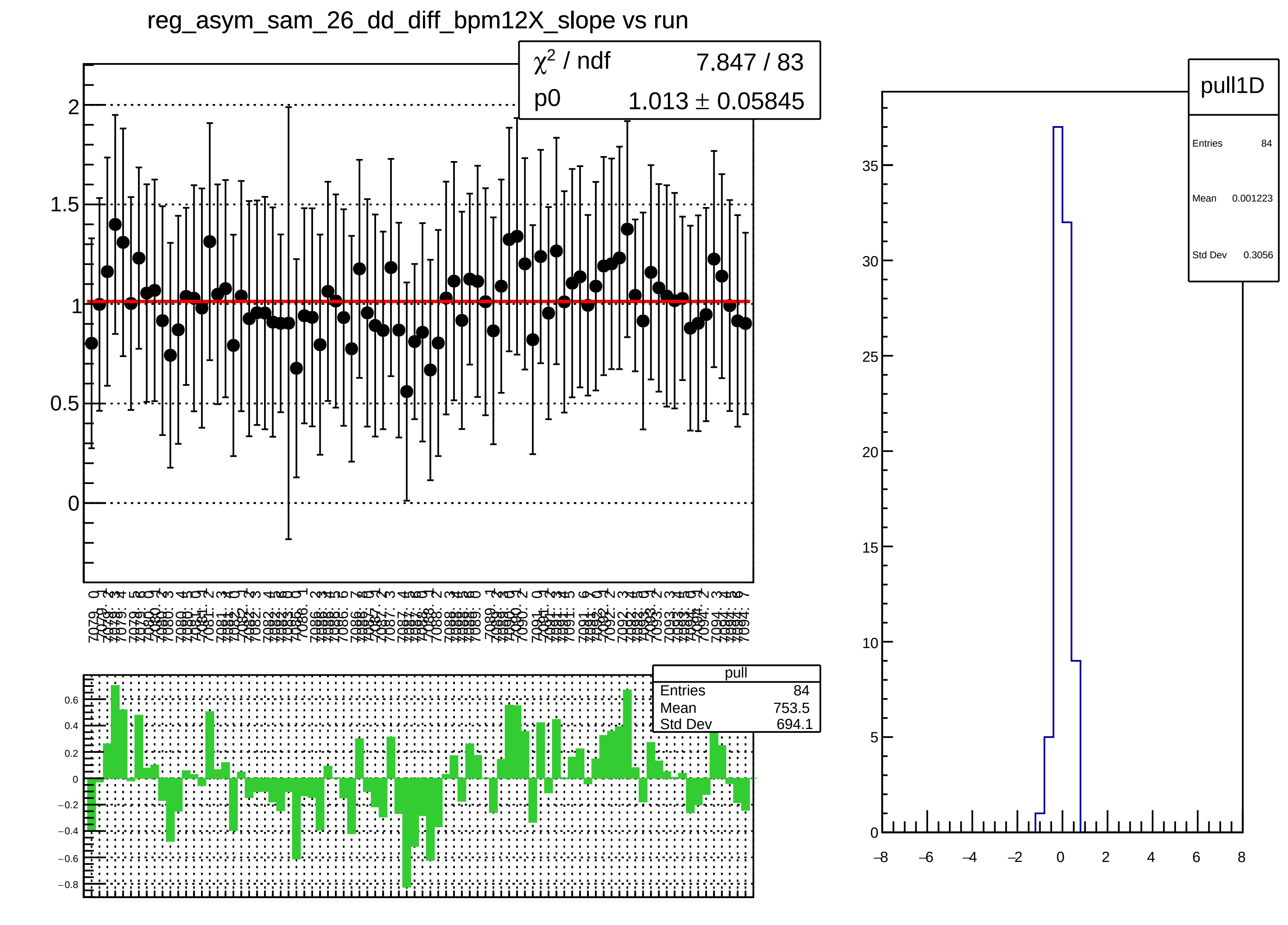


reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.463 / 83
p0 −25.03 ± 1.162
pull
Entries 84
Mean 302.6
Std Dev 258
pull1D
Entries 84
Mean −0.01606
Std Dev 0.317

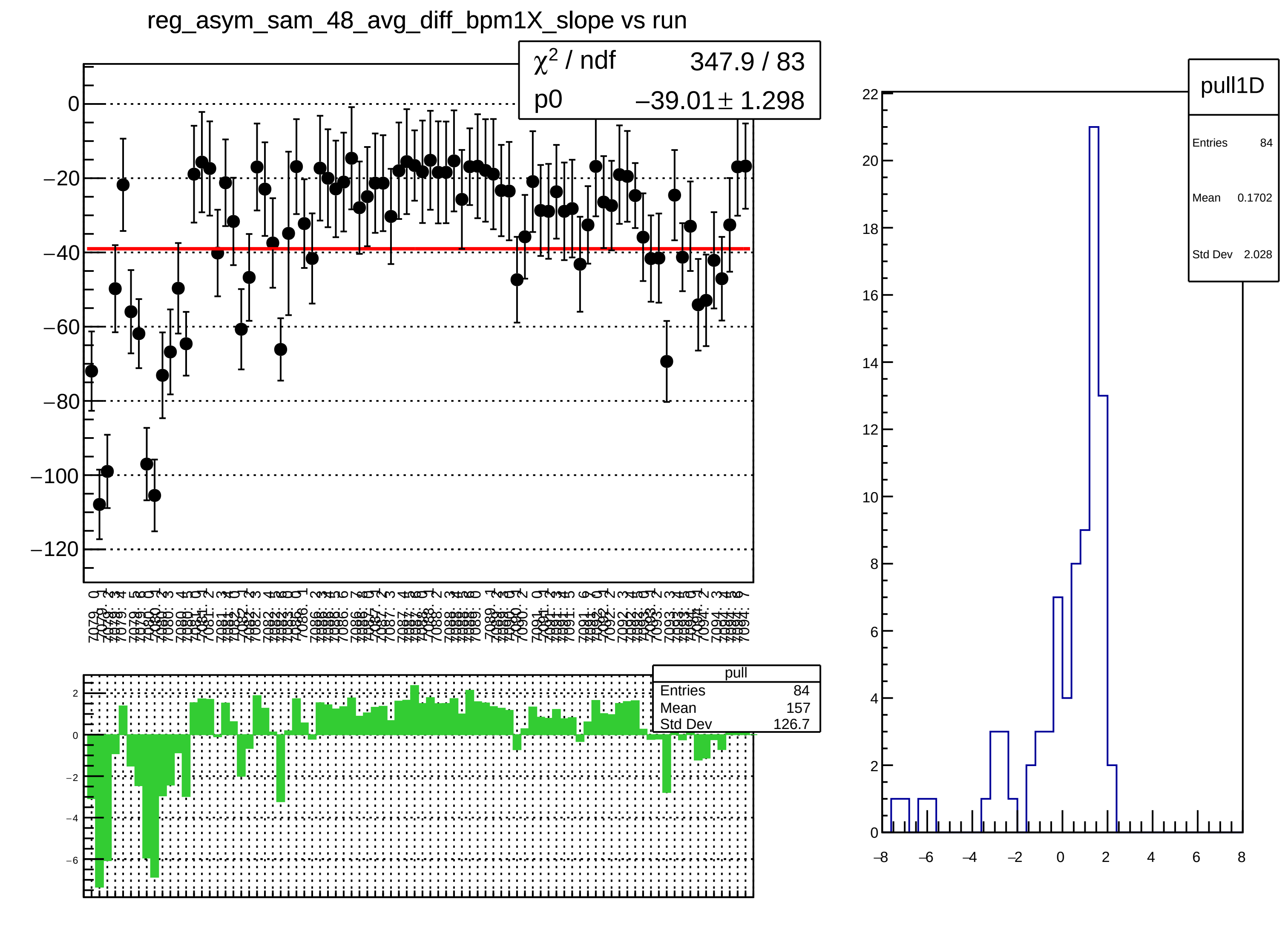

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 5 / 83
p0 −109 ± 1.477
pull
Entries 84
Mean 22.26
Std Dev 38.92
pull1D
Entries 84
Mean −0.01252
Std Dev 0.2437



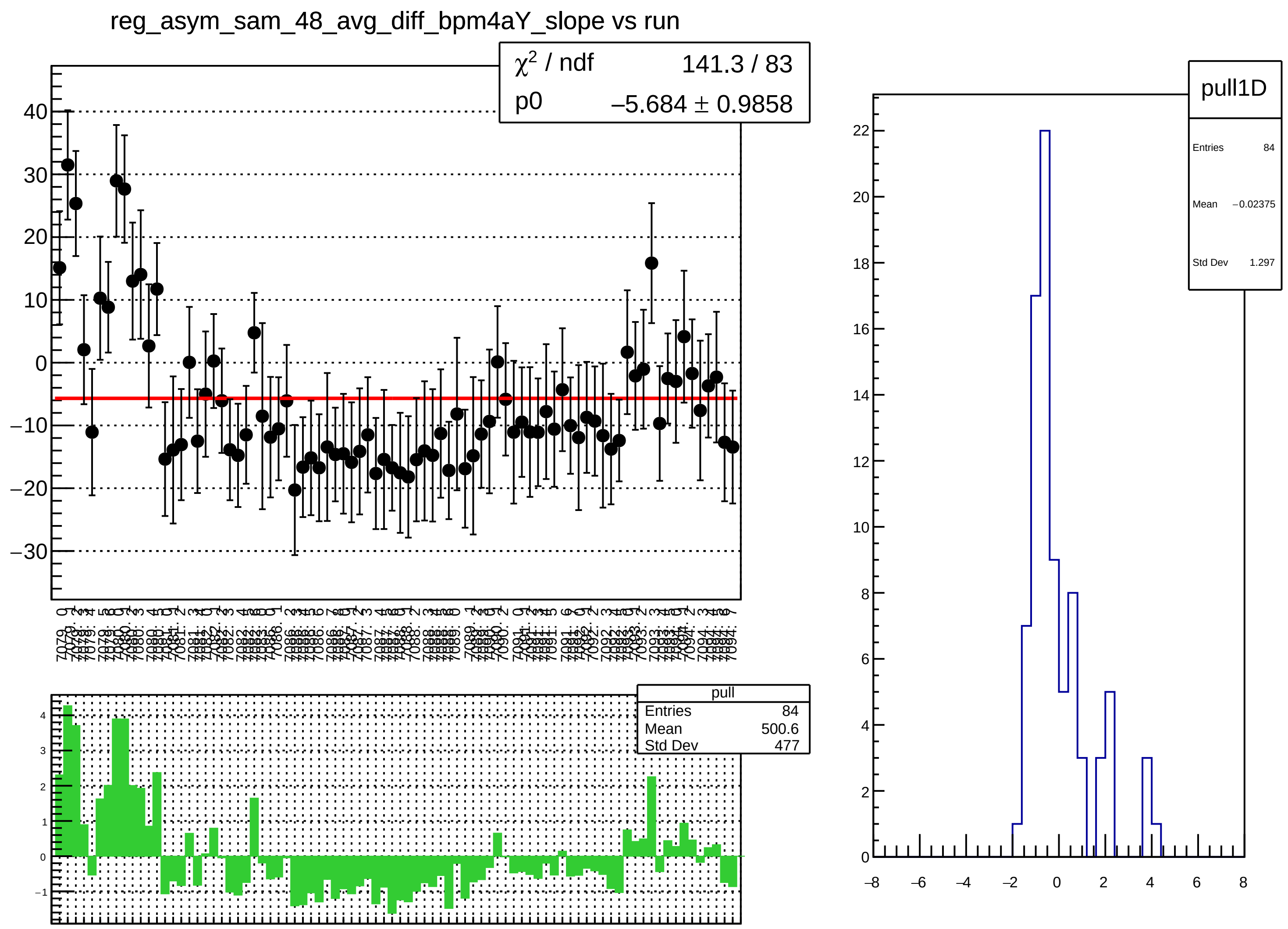
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 11.24 / 83
p0 −123.3 ± 1.222
pull
Entries 84
Mean 515.7
Std Dev 472
pull1D
Entries 84
Mean 0.0114
Std Dev 0.3656



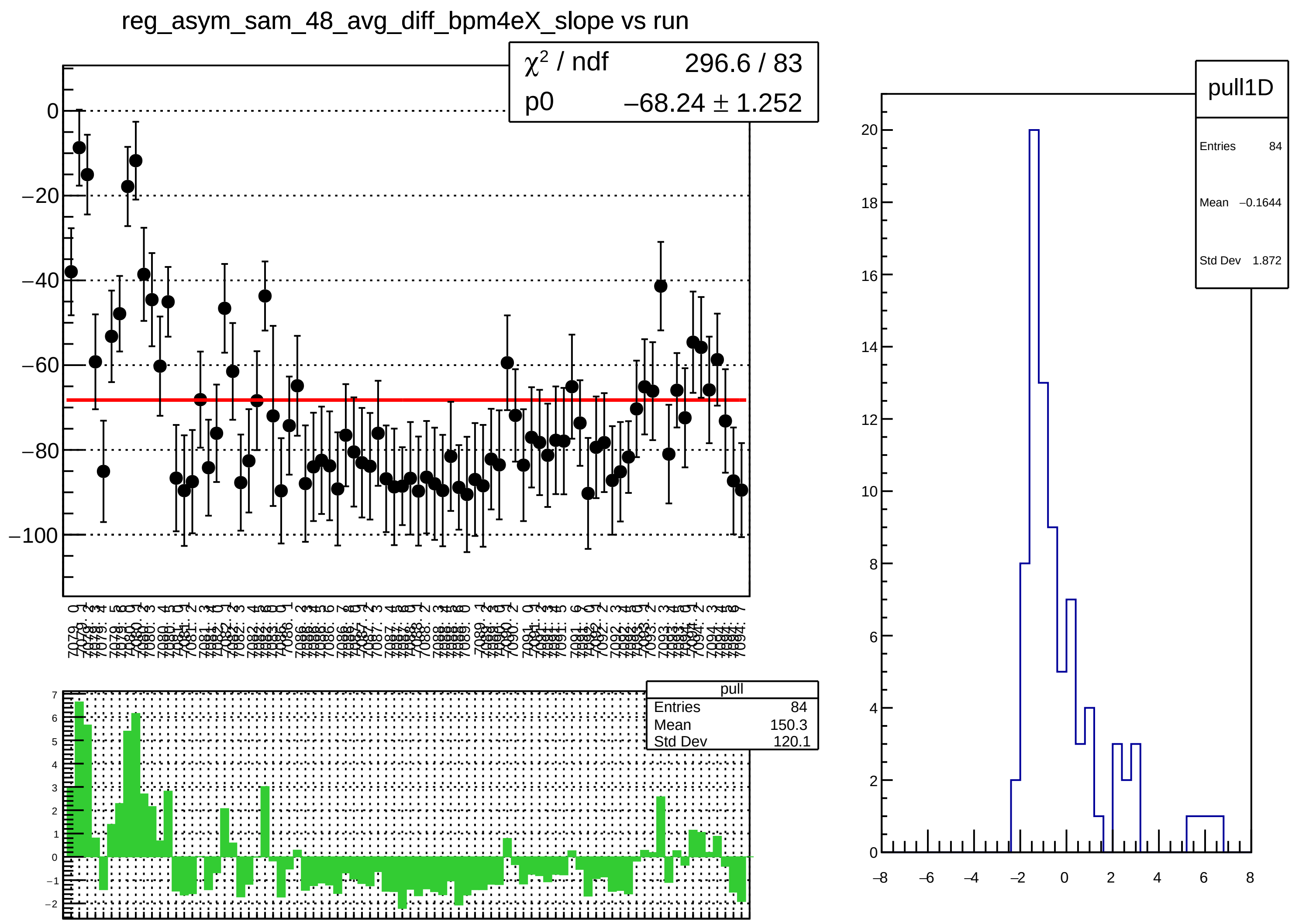
reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.847 / 83
p0 1.013 ± 0.05845
pull
Entries 84
Mean 753.5
Std Dev 694.1
pull1D
Entries 84
Mean 0.001223
Std Dev 0.3056



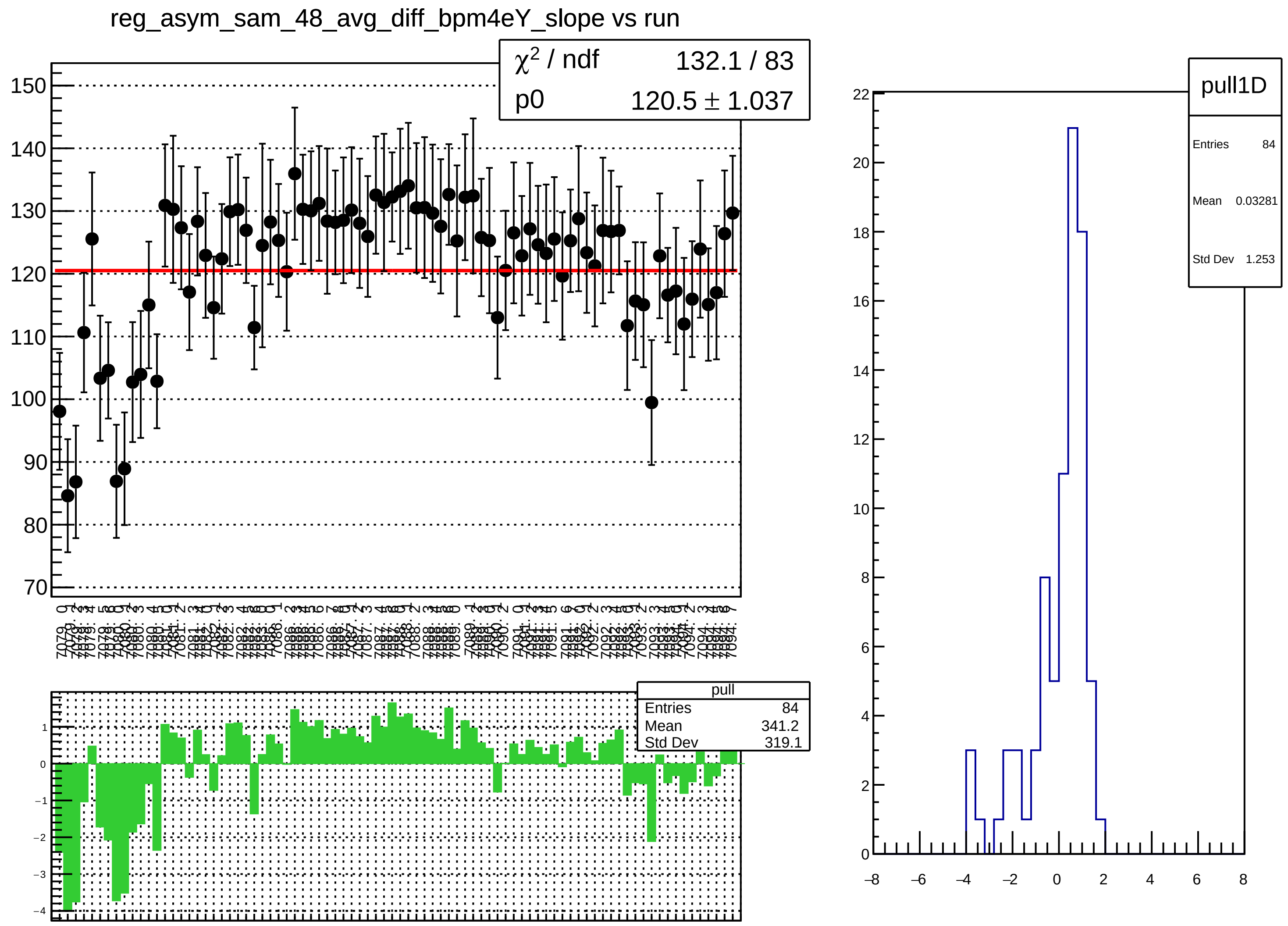
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 347.9 / 83
p0 −39.01 ± 1.298
pull
Entries 84
Mean 157
Std Dev 126.7
pull1D
Entries 84
Mean 0.1702
Std Dev 2.028

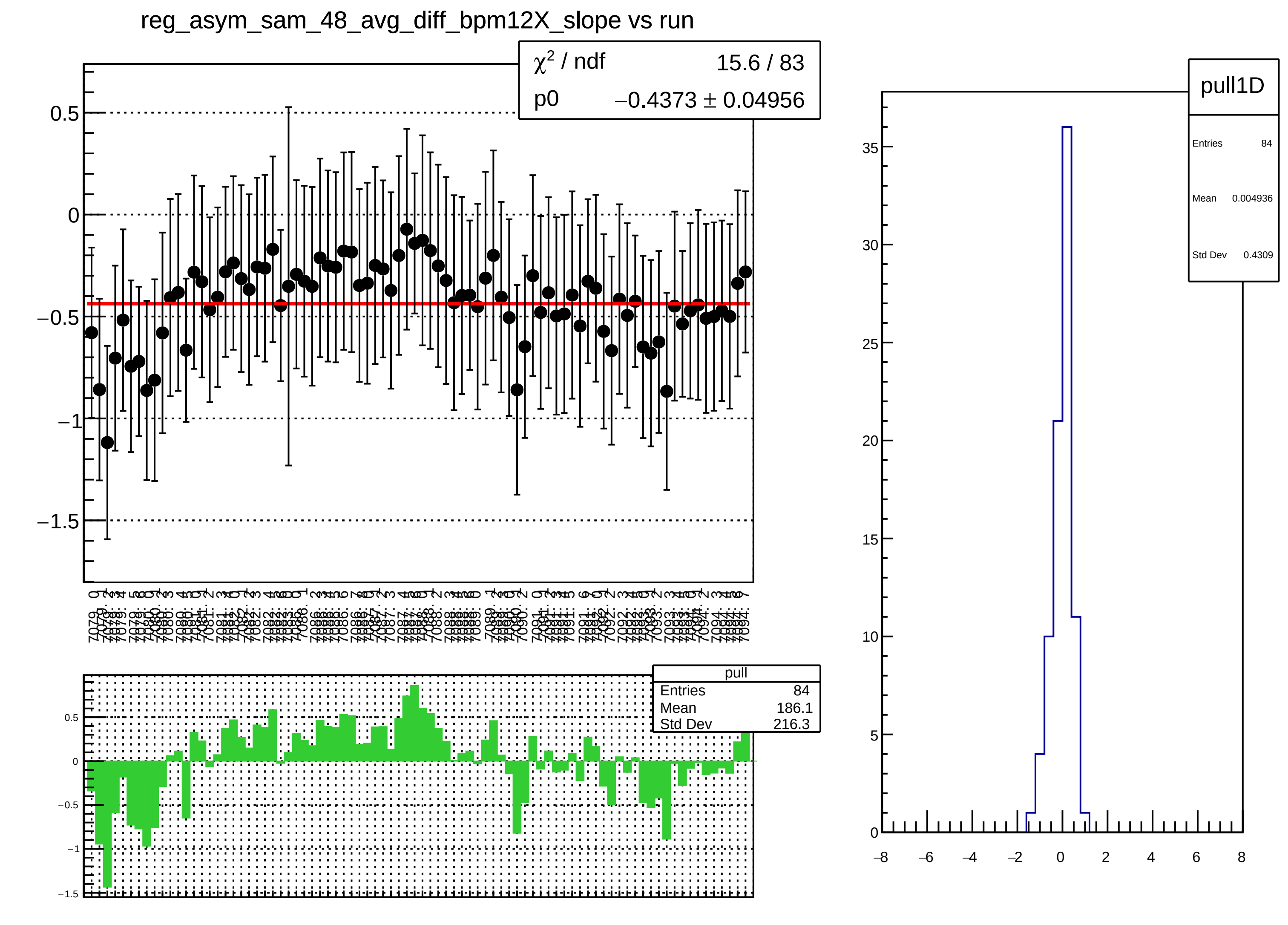


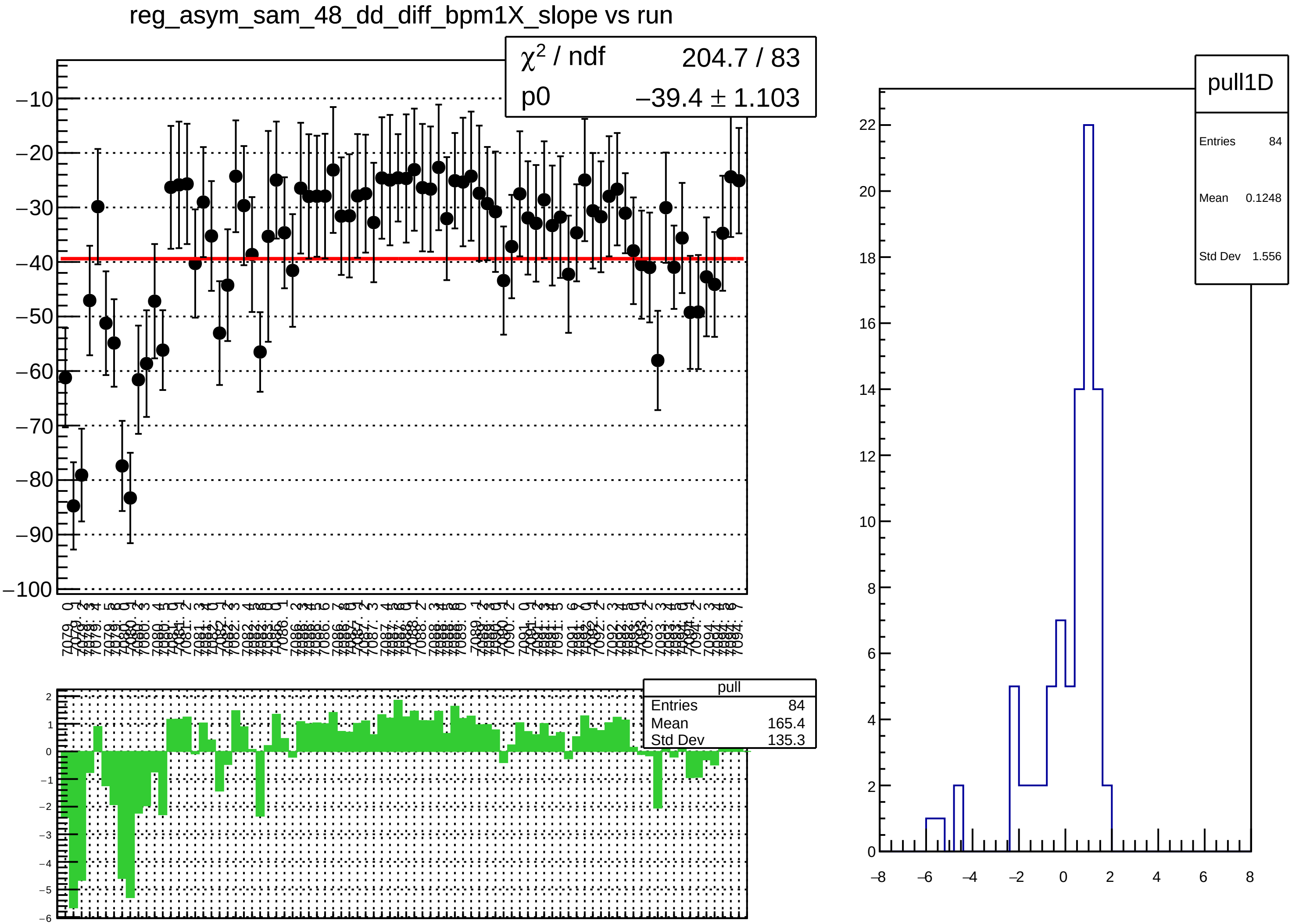
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ2 / ndf 141.3 / 83
p0 −5.684 ± 0.9858
pull
Entries 84
Mean 500.6
Std Dev 477
pull1D
Entries 84
Mean −0.02375
Std Dev 1.297



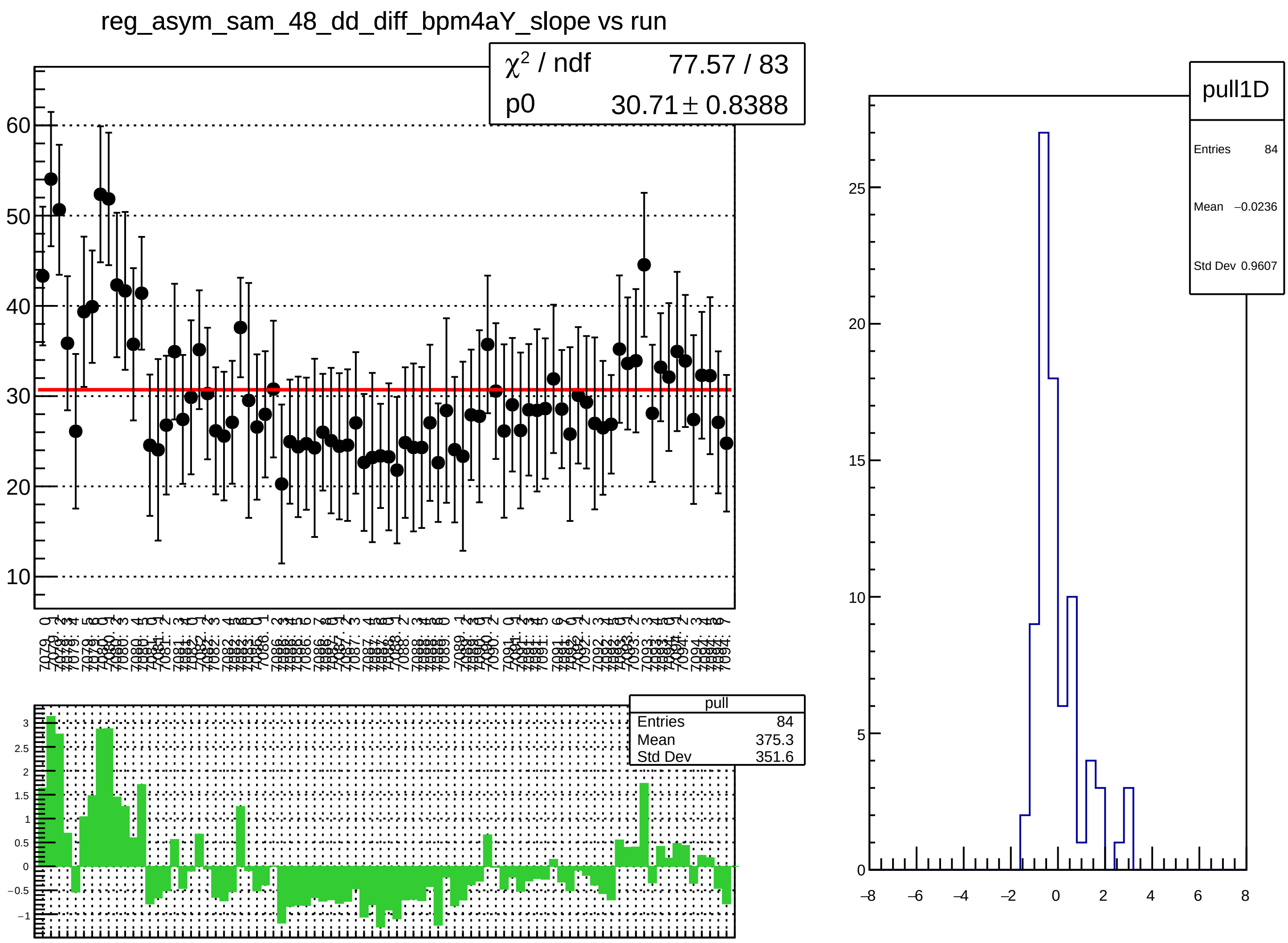
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 296.6 / 83
p0 −68.24 ± 1.252
pull
Entries 84
Mean 150.3
Std Dev 120.1
pull1D
Entries 84
Mean −0.1644
Std Dev 1.872


reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 132.1 / 83
p0 120.5 ± 1.037
pull
Entries 84
Mean 341.2
Std Dev 319.1
pull1D
Entries 84
Mean 0.03281
Std Dev 1.253

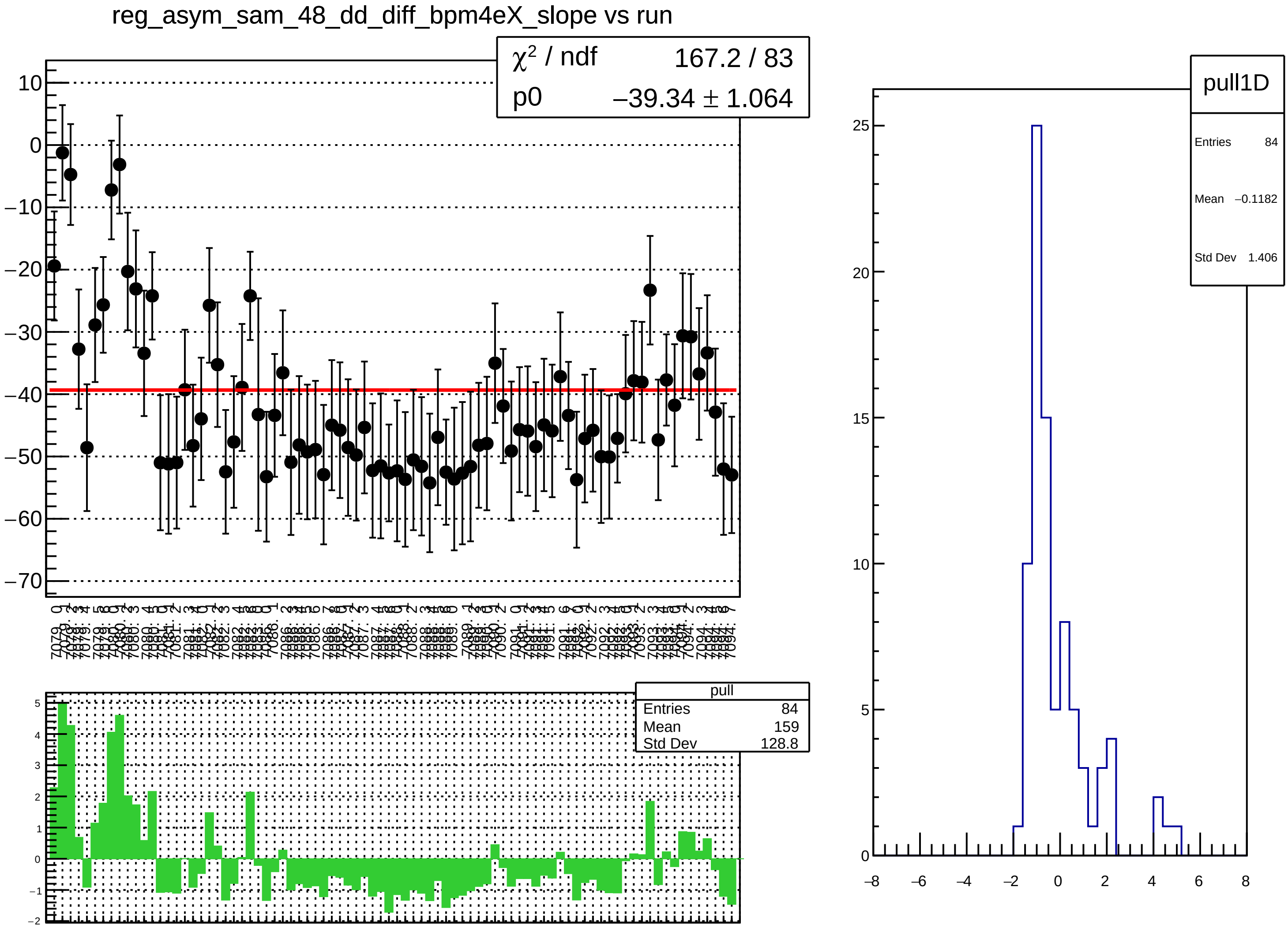

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 15.6 / 83
p0 −0.4373 ± 0.04956
pull
Entries 84
Mean 186.1
Std Dev 216.3
pull1D
Entries 84
Mean 0.004936
Std Dev 0.4309



reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 204.7 / 83
p0 −39.4 ± 1.103
pull
Entries 84
Mean 165.4
Std Dev 135.3
pull1D
Entries 84
Mean 0.1248
Std Dev 1.556

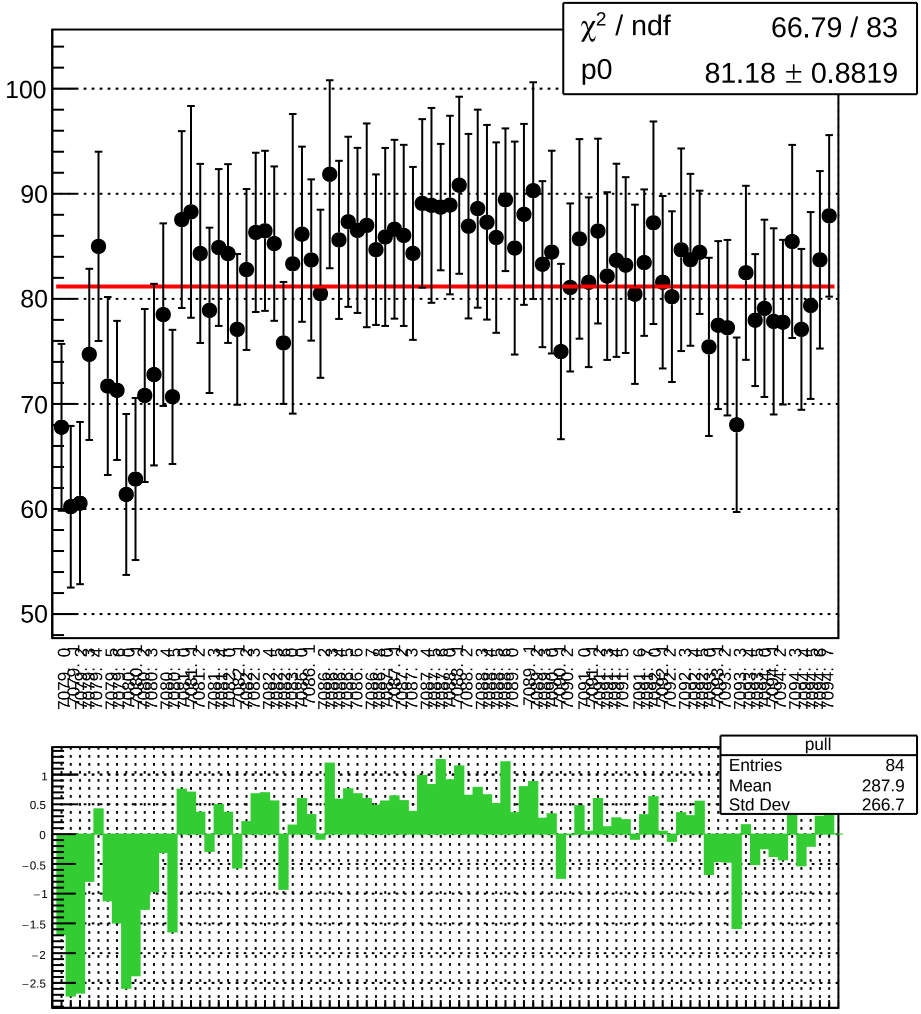


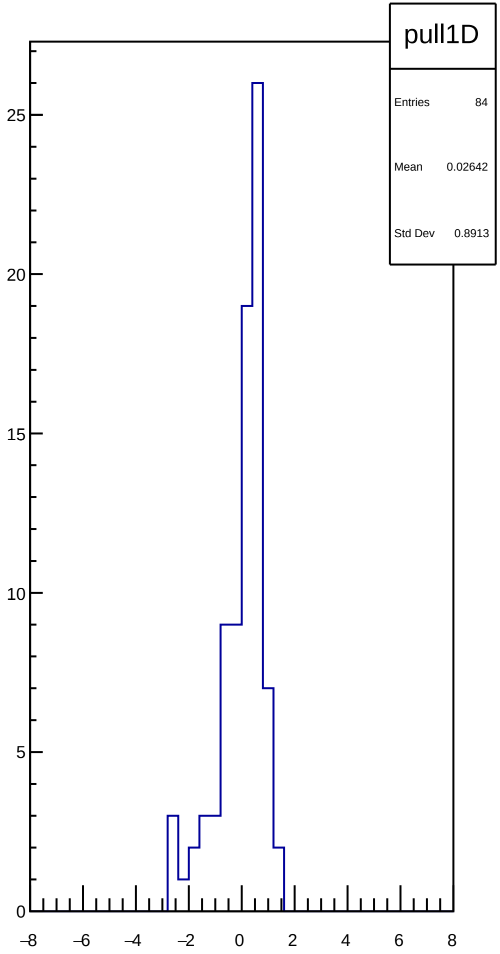
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 77.57 / 83
p0 30.71 ± 0.8388
pull
Entries 84
Mean 375.3
Std Dev 351.6
pull1D
Entries 84
Mean −0.0236
Std Dev 0.9607

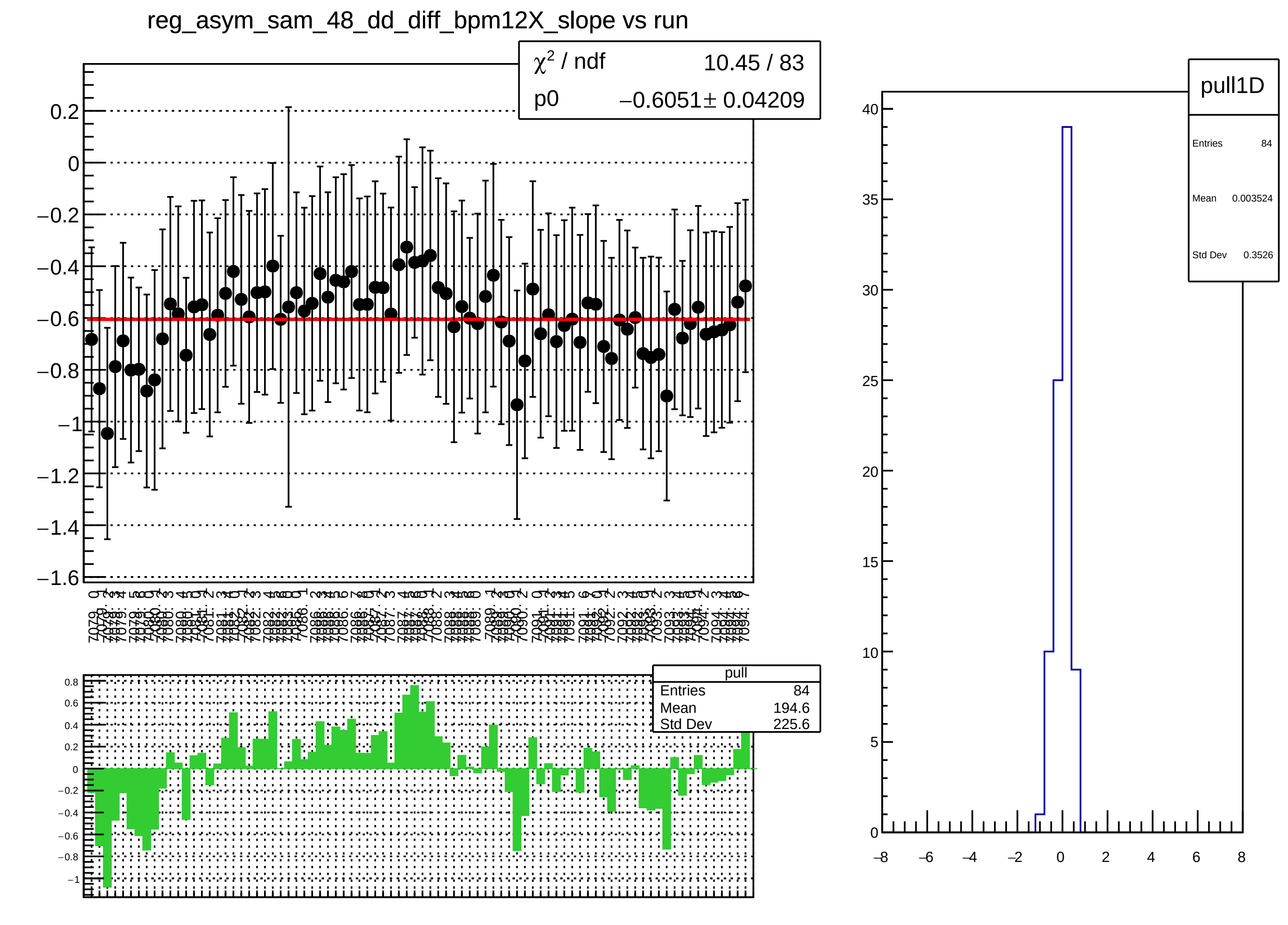


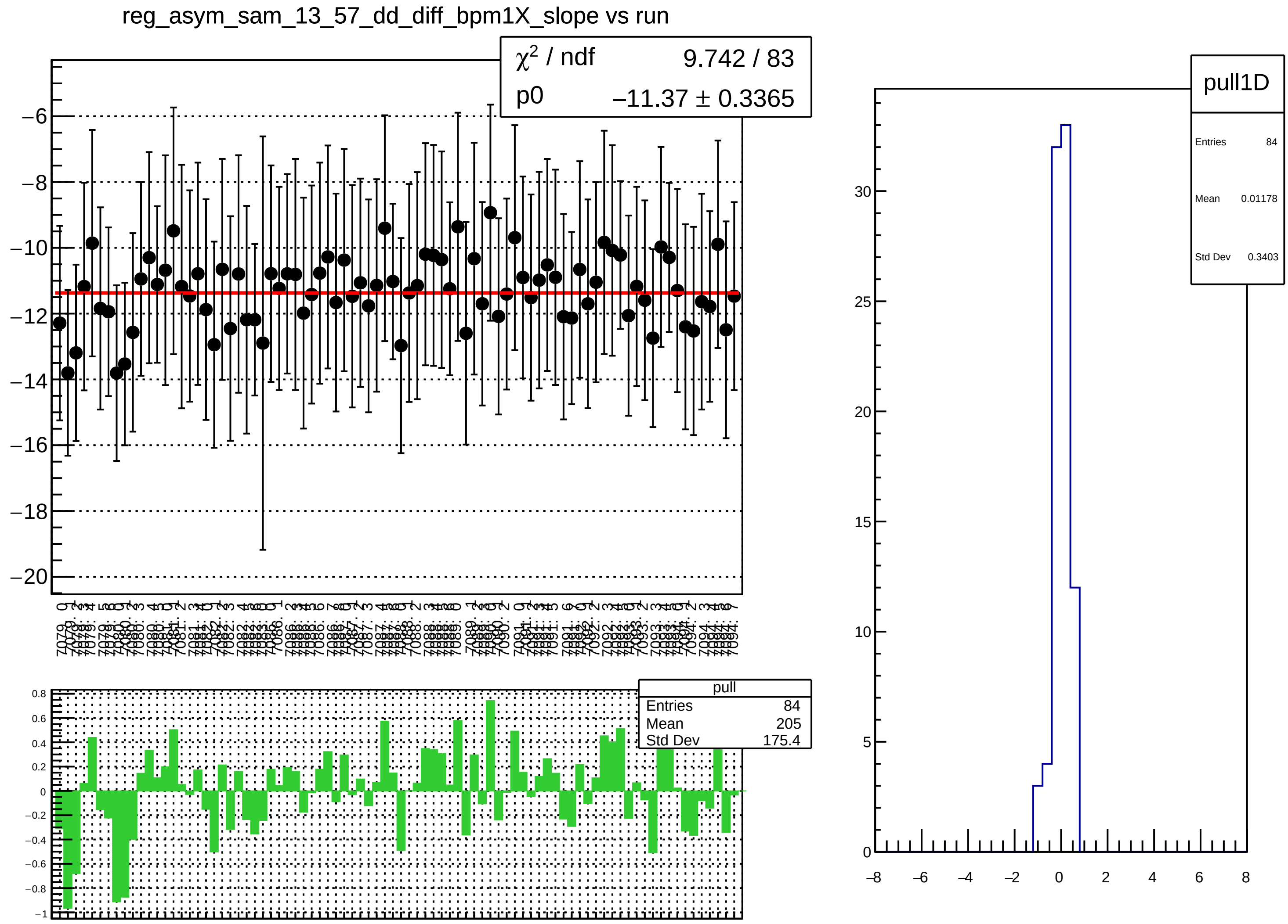
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 167.2 / 83
p0 −39.34 ± 1.064
pull
Entries 84
Mean 159
Std Dev 128.8
pull1D
Entries 84
Mean −0.1182
Std Dev 1.406

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run

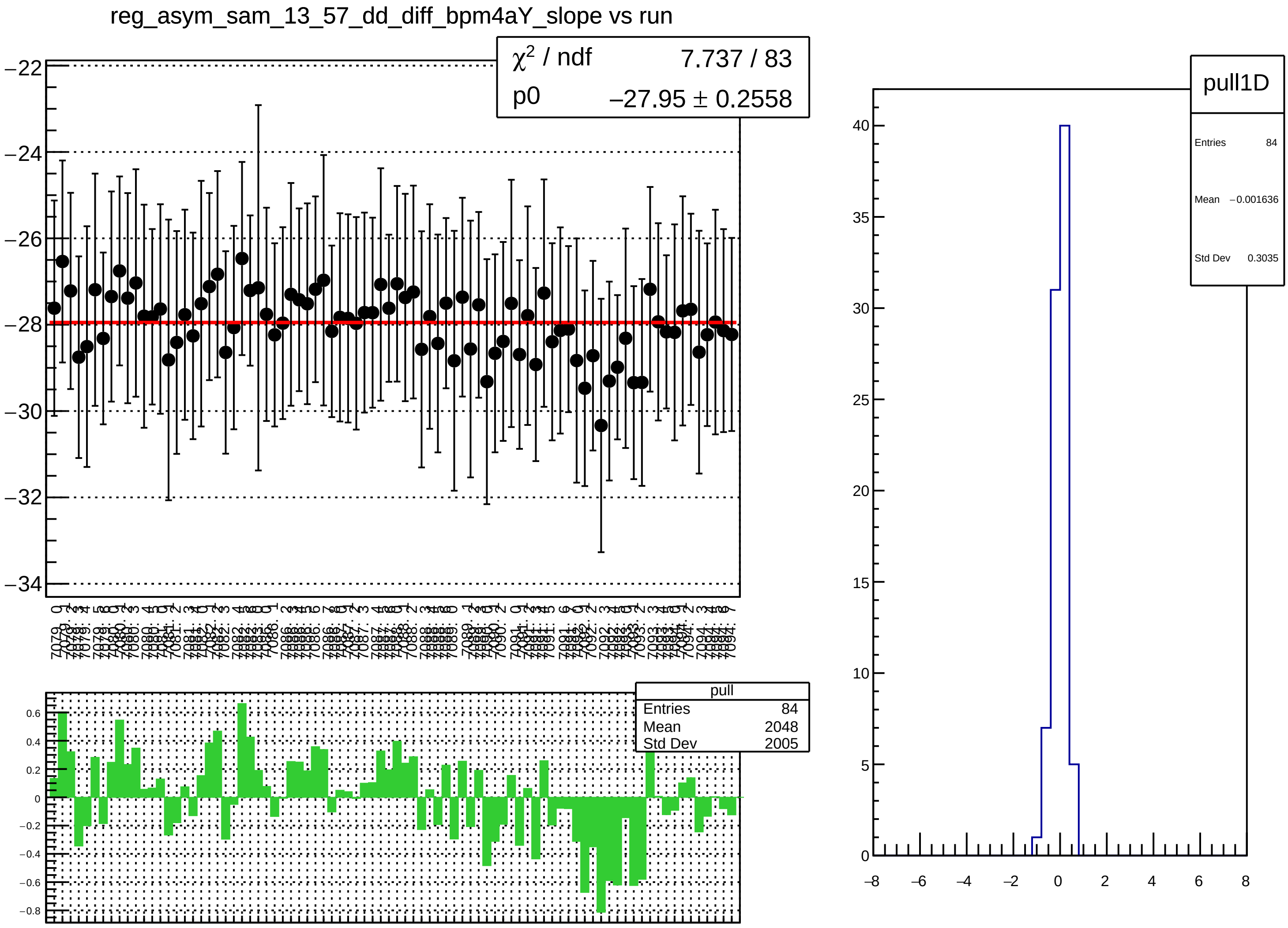




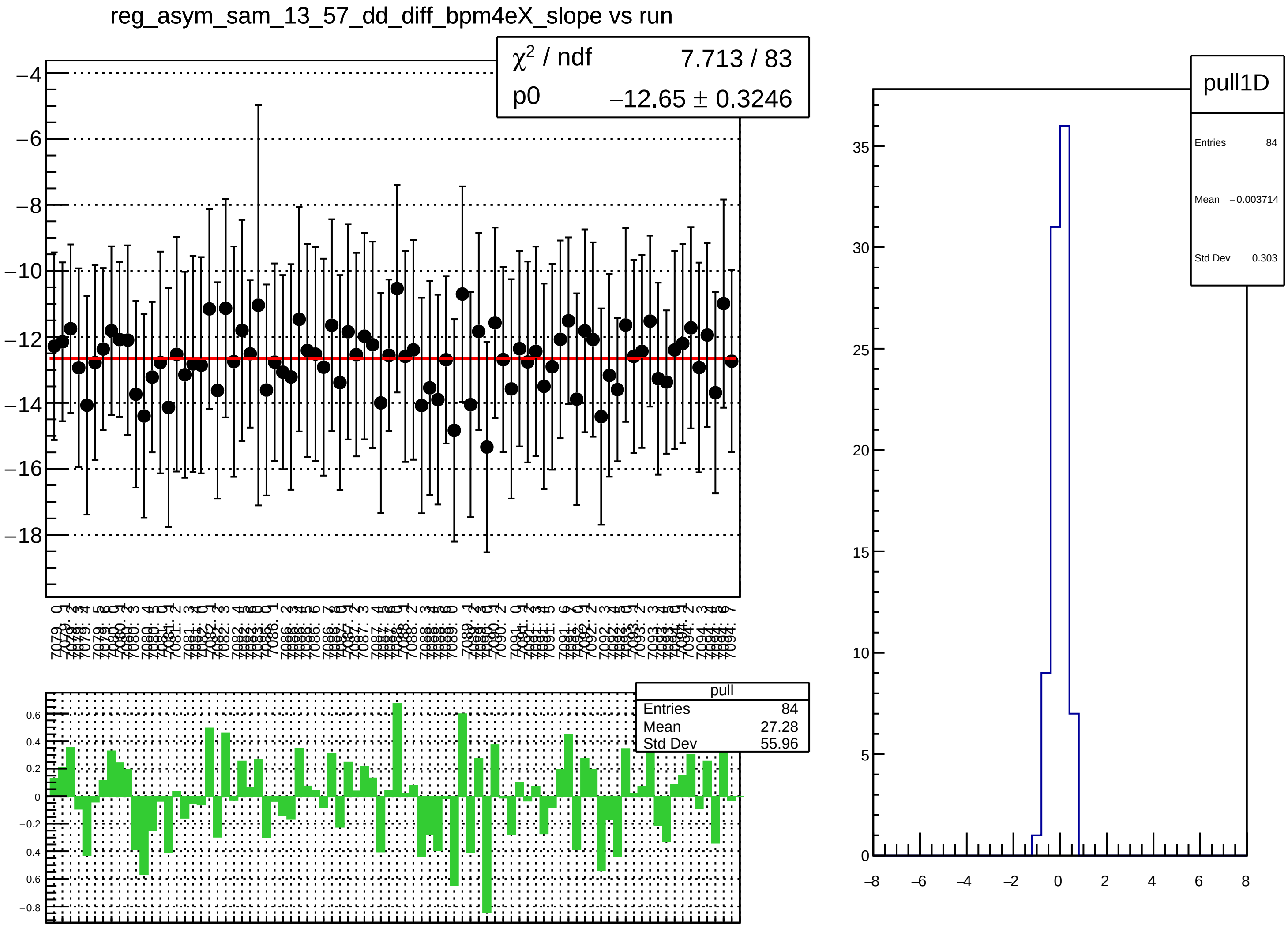

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.45 / 83
p0 −0.6051 ± 0.04209
pull
Entries 84
Mean 194.6
Std Dev 225.6
pull1D
Entries 84
Mean 0.003524
Std Dev 0.3526



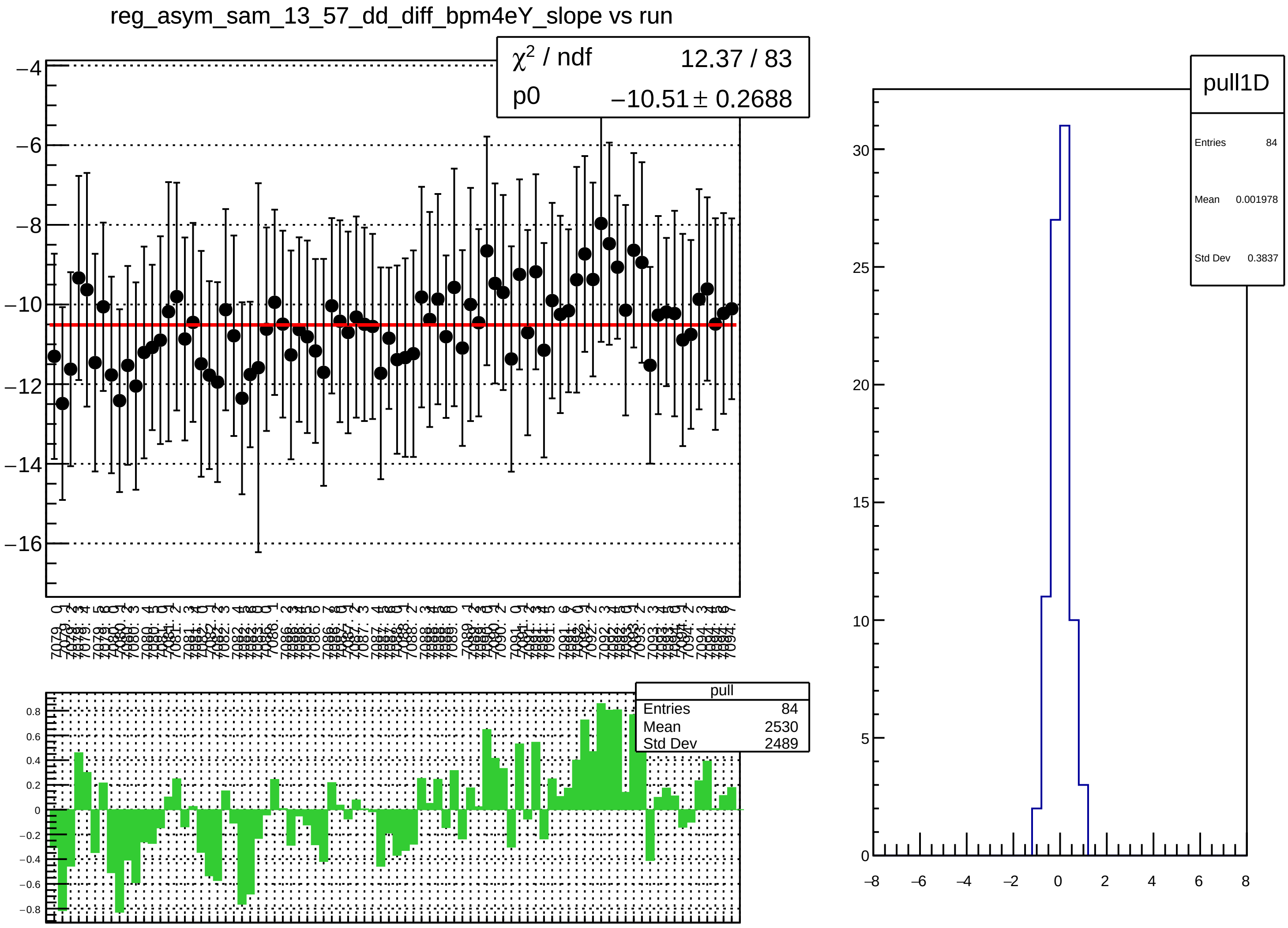
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.742 / 83
p0 −11.37 ± 0.3365
pull
Entries 84
Mean 205
Std Dev 175.4
pull1D
Entries 84
Mean 0.01178
Std Dev 0.3403



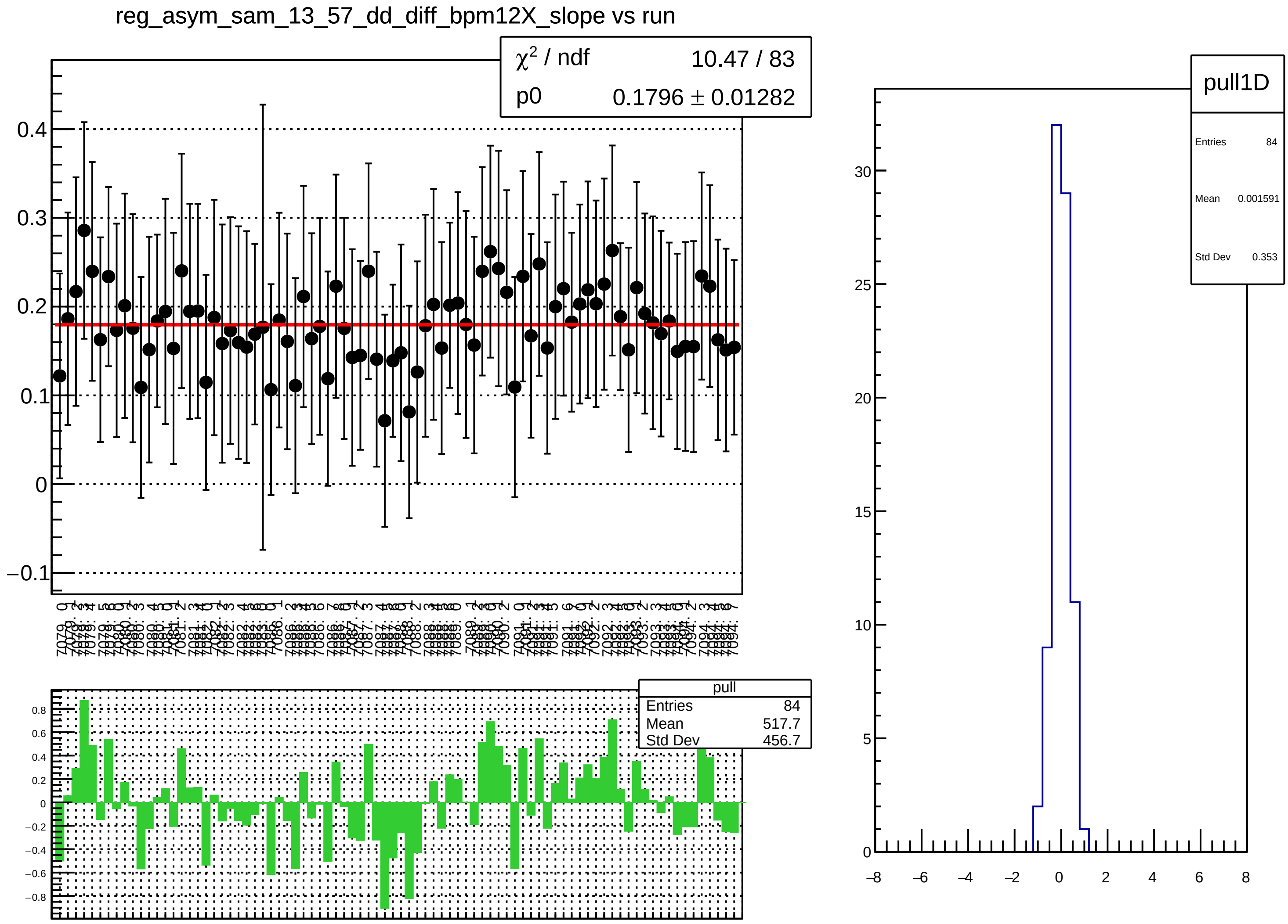
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.737 / 83
p0 −27.95 ± 0.2558
pull
Entries 84
Mean 2048
Std Dev 2005
pull1D
Entries 84
Mean −0.001636
Std Dev 0.3035



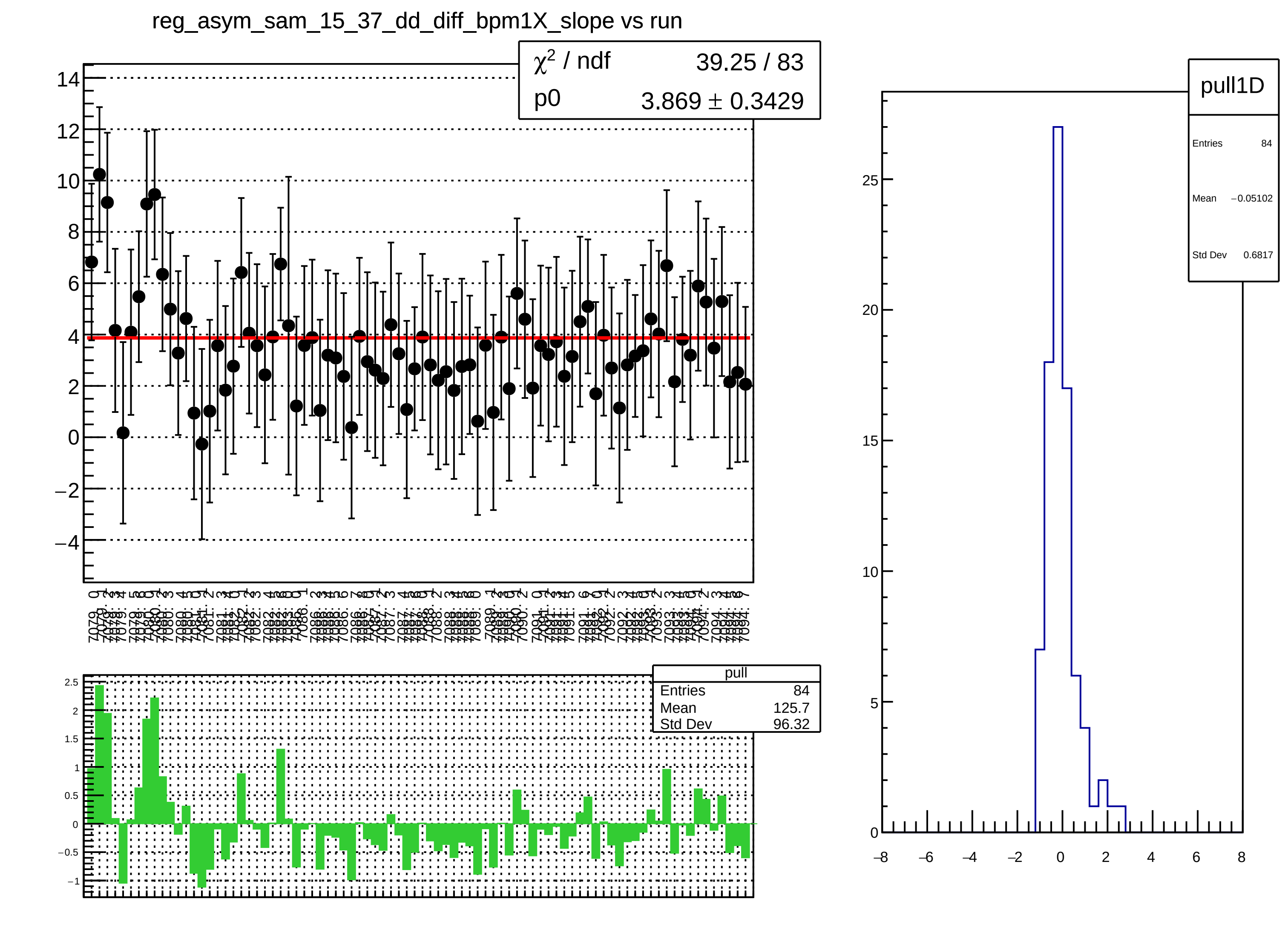
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.713 / 83
p0 −12.65 ± 0.3246
pull
Entries 84
Mean 27.28
Std Dev 55.96
pull1D
Entries 84
Mean −0.003714
Std Dev 0.303

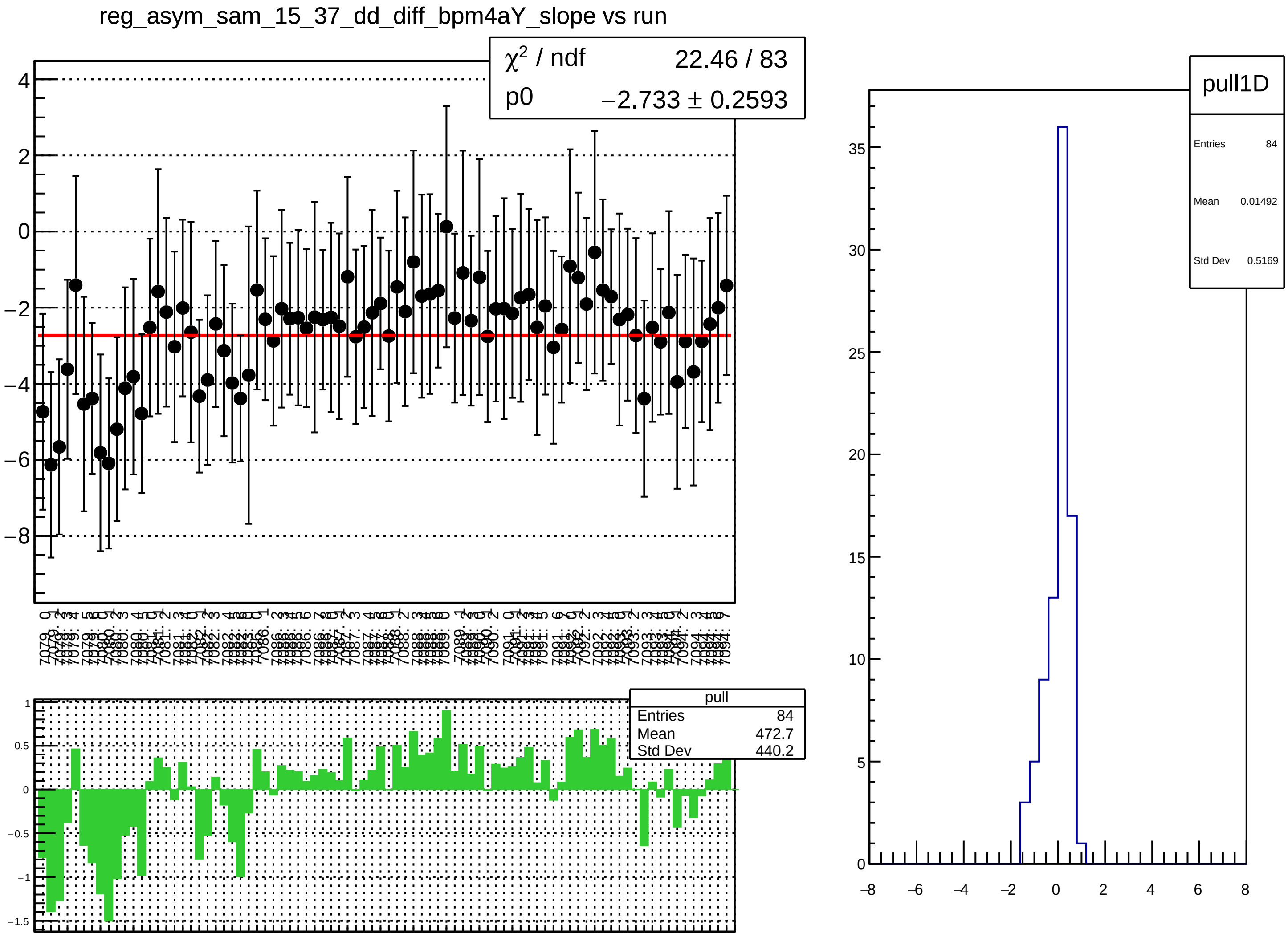


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 12.37 / 83
p0 −10.51 ± 0.2688
pull
Entries 84
Mean 2530
Std Dev 2489
pull1D
Entries 84
Mean 0.001978
Std Dev 0.3837

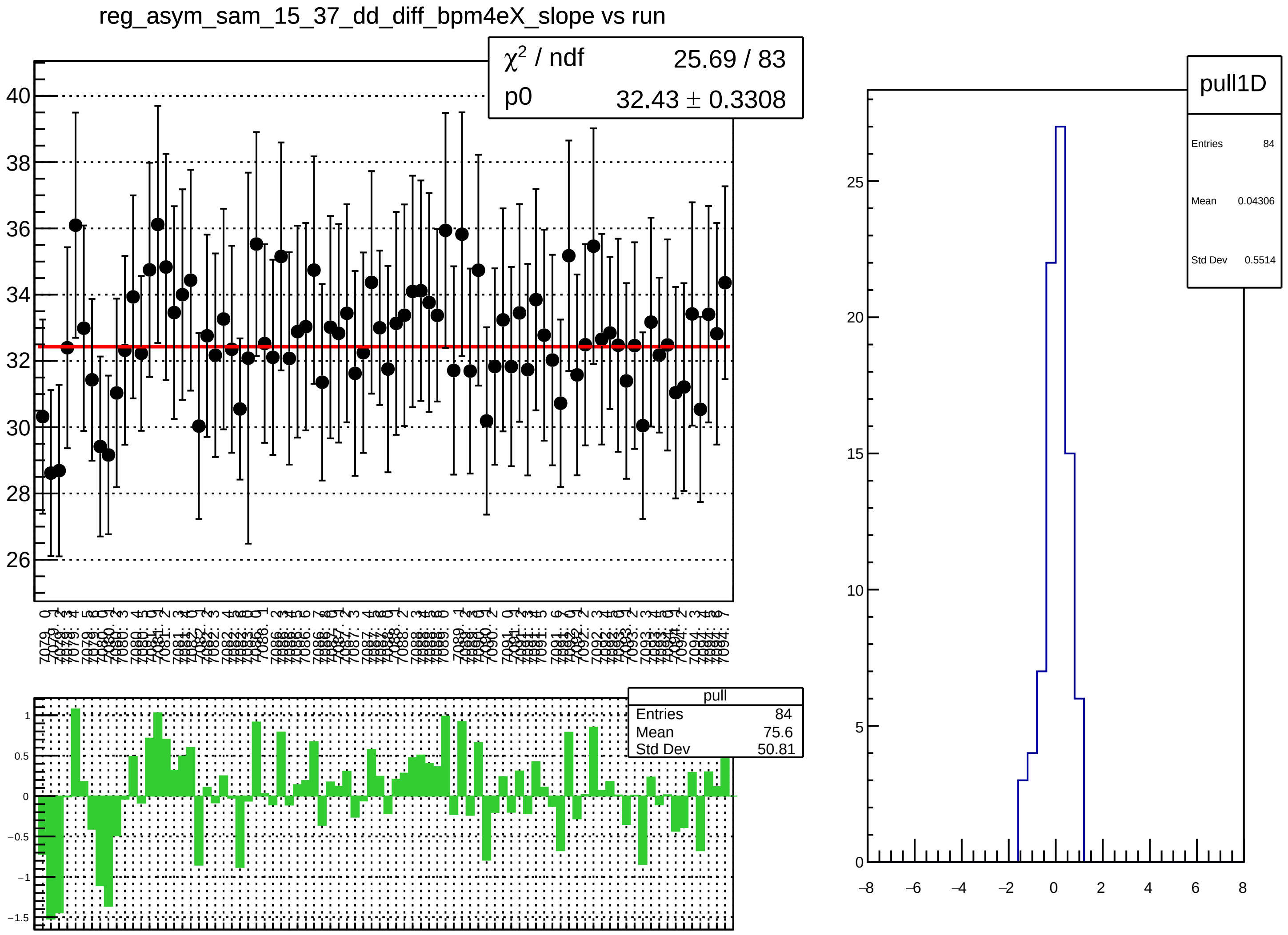


reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.47 / 83
p0 0.1796 ± 0.01282
pull
Entries 84
Mean 517.7
Std Dev 456.7
pull1D
Entries 84
Mean 0.001591
Std Dev 0.353

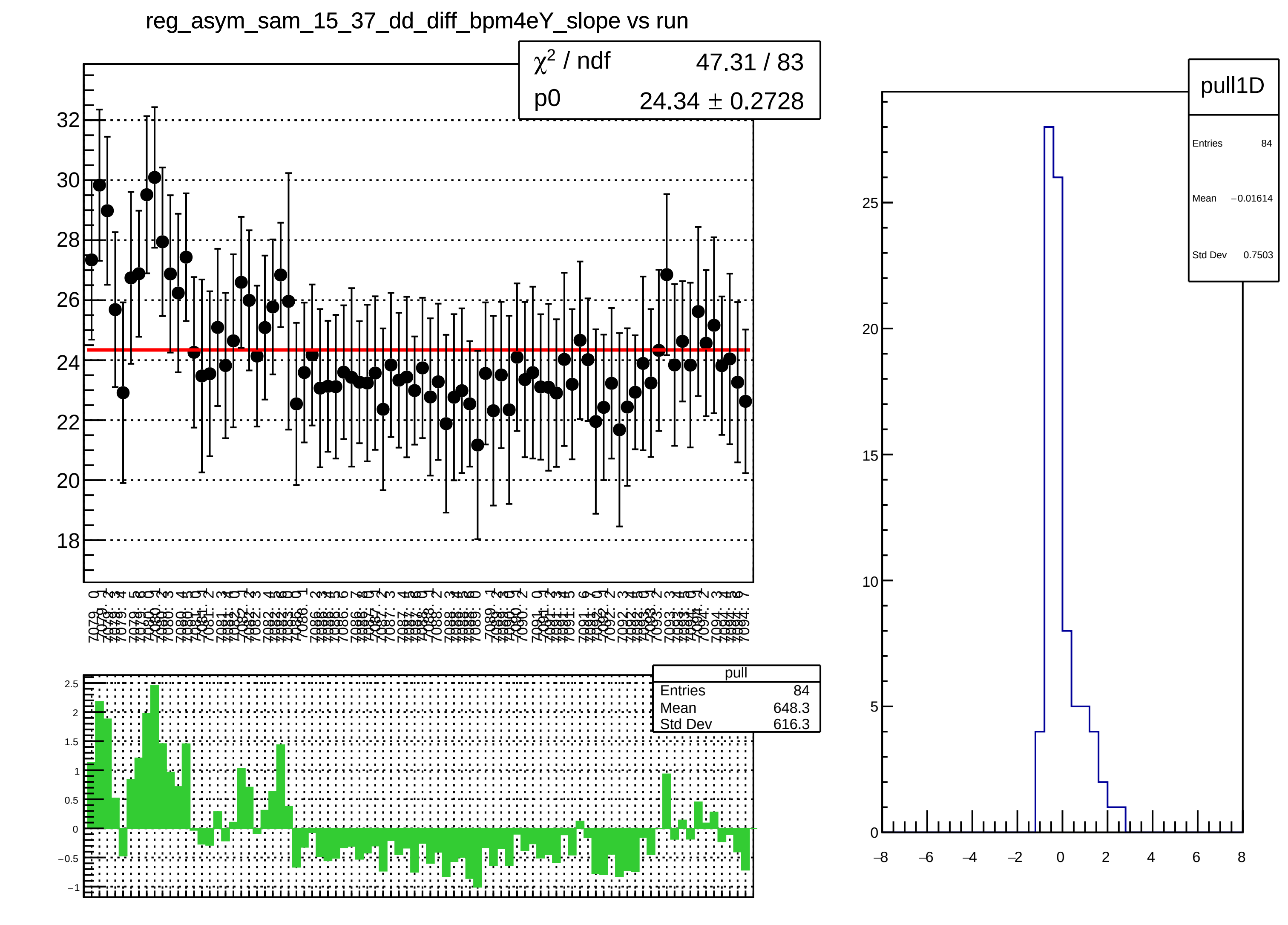

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 39.25 / 83
p0 3.869 ± 0.3429
pull
Entries 84
Mean 125.7
Std Dev 96.32
pull1D
Entries 84
Mean −0.05102
Std Dev 0.6817



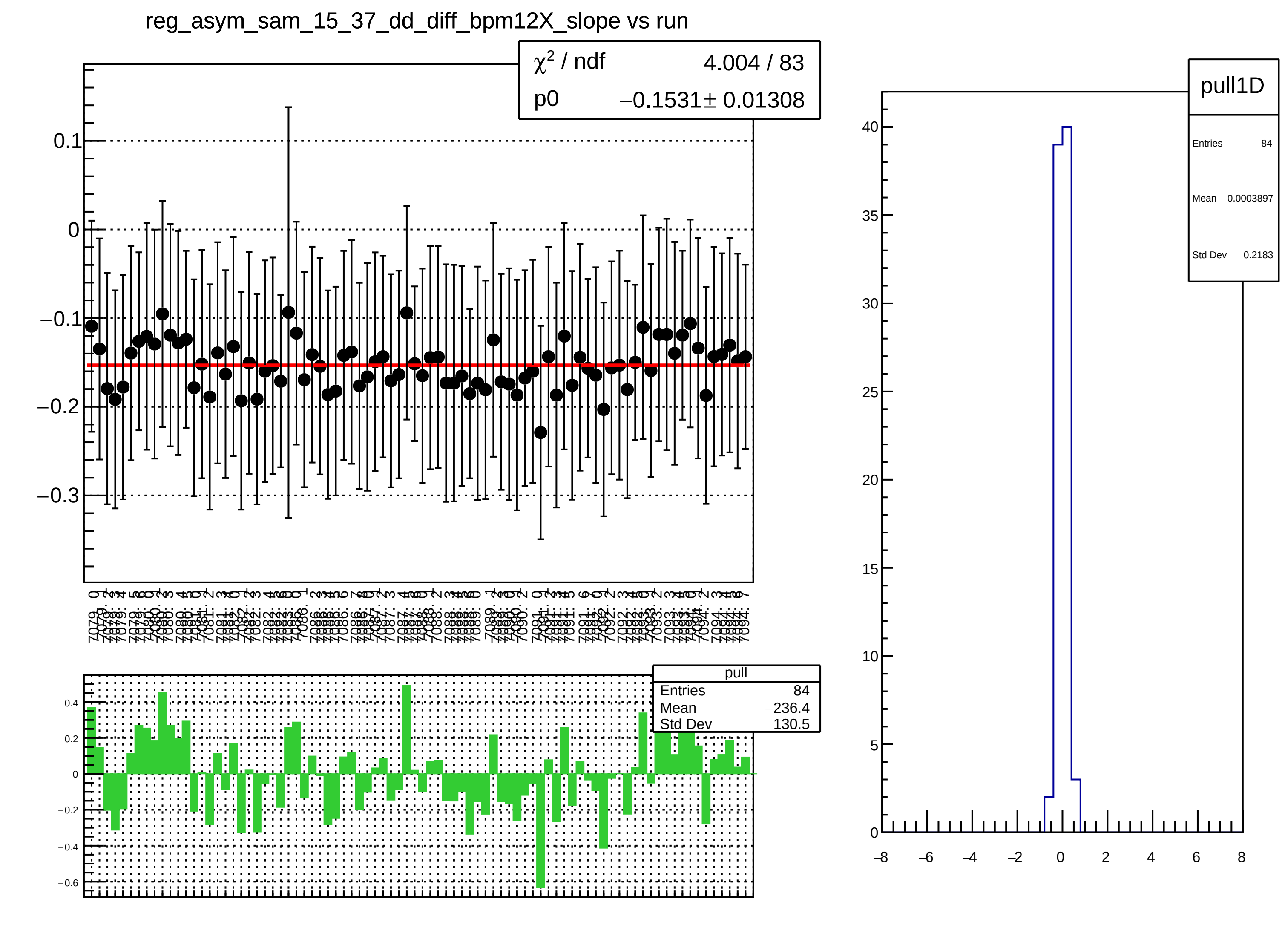
reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 22.46 / 83
p0 −2.733 ± 0.2593
pull
Entries 84
Mean 472.7
Std Dev 440.2
pull1D
Entries 84
Mean 0.01492
Std Dev 0.5169

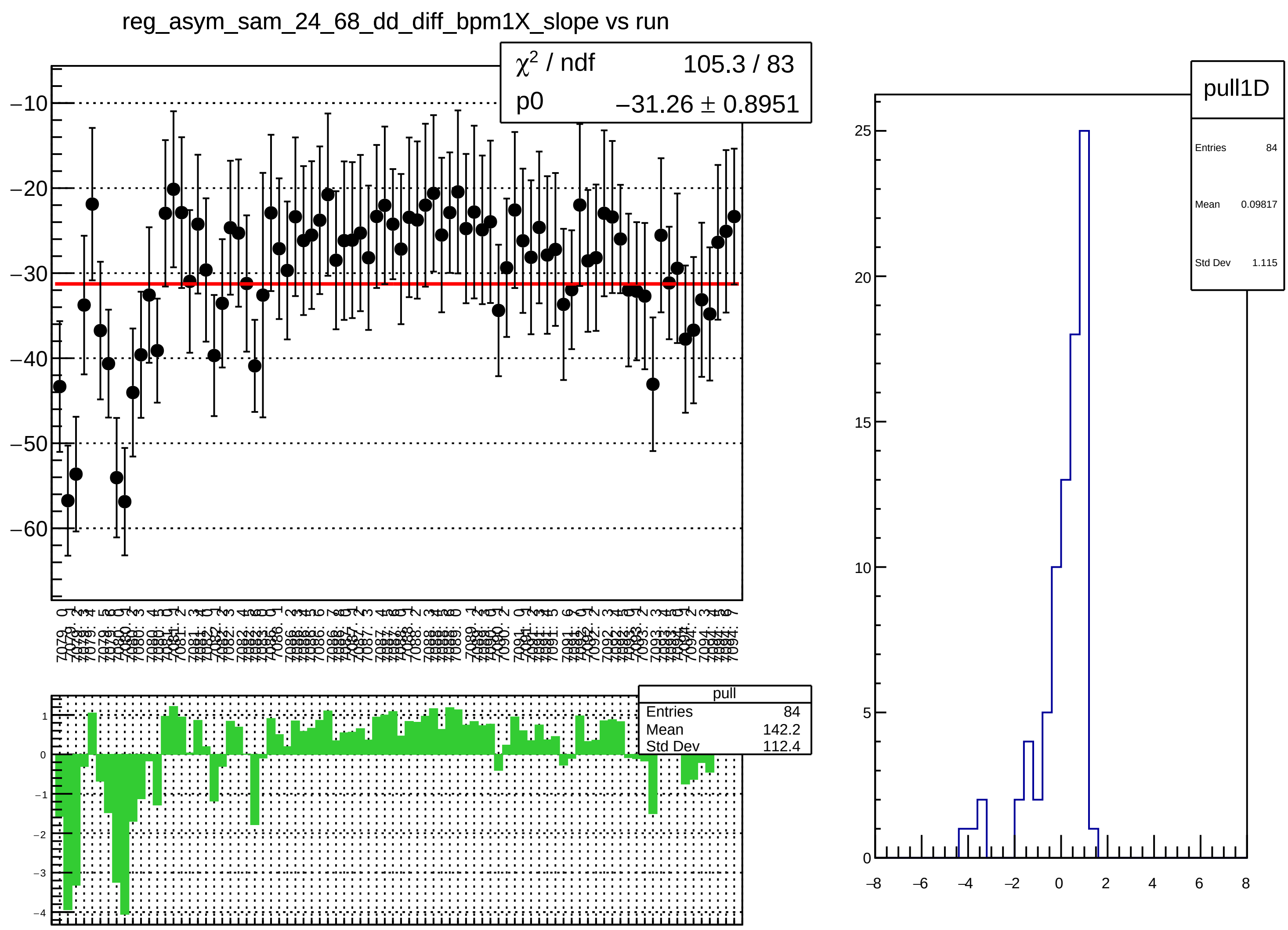


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 25.69 / 83
p0 32.43 ± 0.3308
pull
Entries 84
Mean 75.6
Std Dev 50.81
pull1D
Entries 84
Mean 0.04306
Std Dev 0.5514



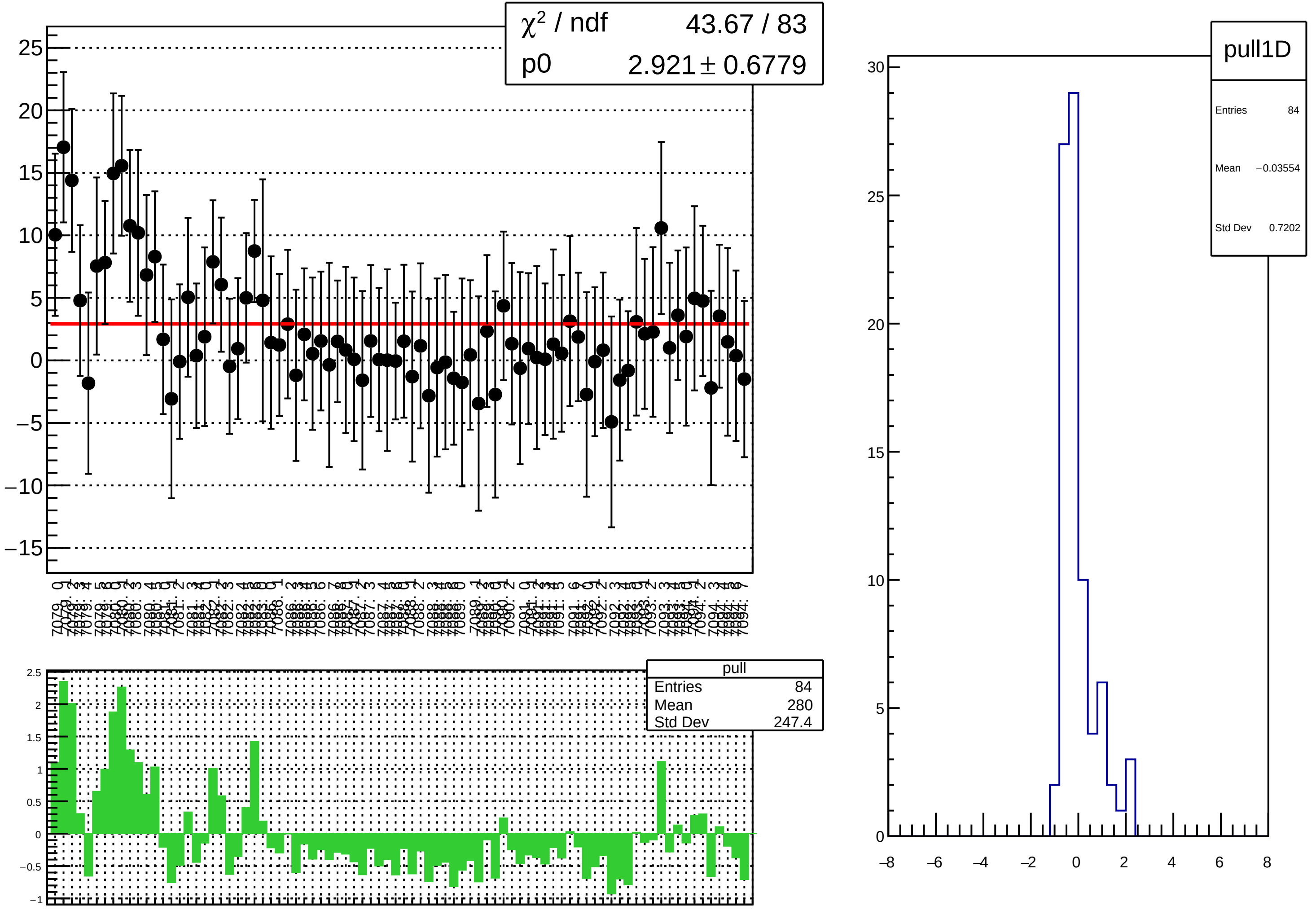
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 47.31 / 83
p0 24.34 ± 0.2728
pull
Entries 84
Mean 648.3
Std Dev 616.3
pull1D
Entries 84
Mean −0.01614
Std Dev 0.7503

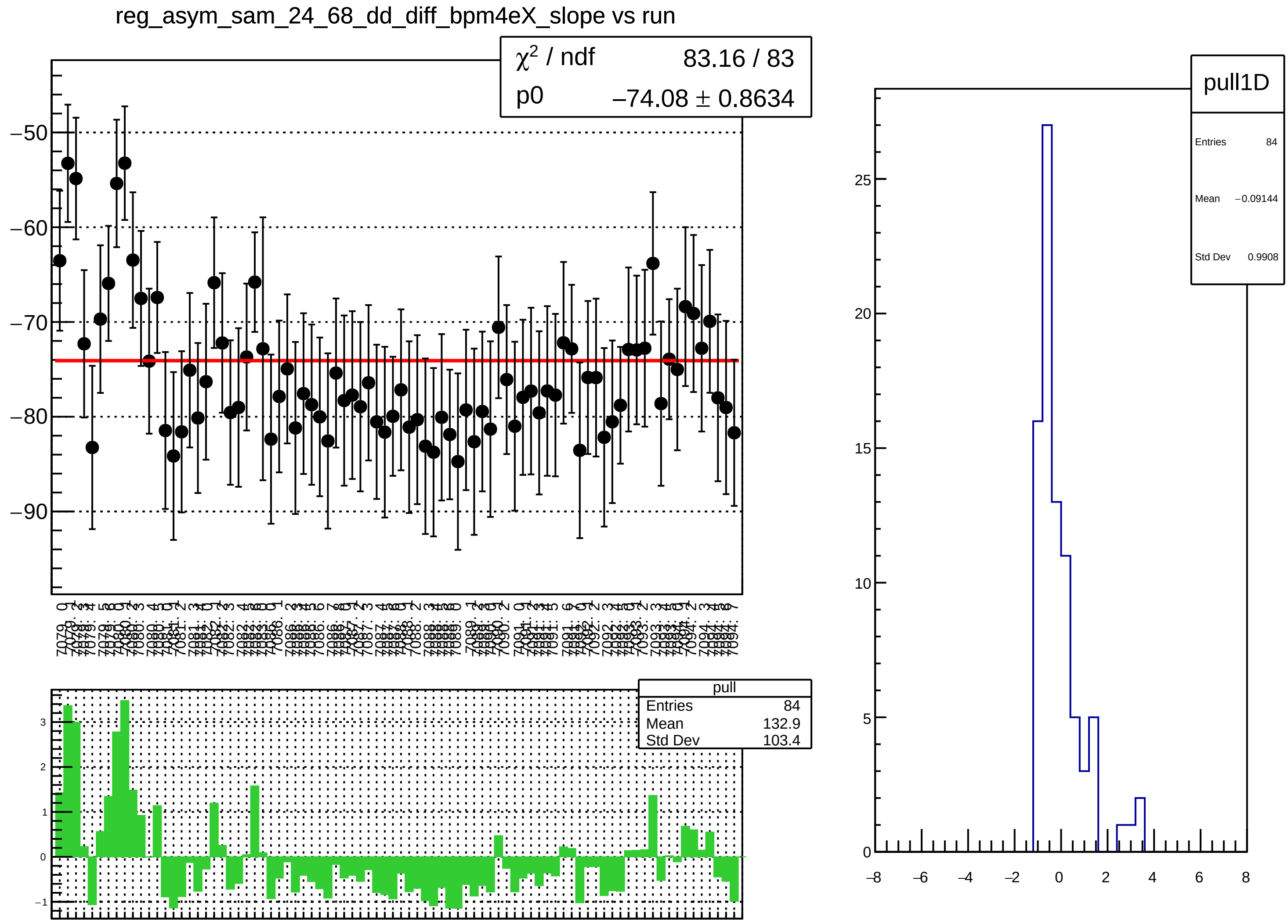

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.004 / 83
p0 −0.1531 ± 0.01308
0.1
0
−0.1
−0.2
−0.3
pull
Entries 84
Mean −236.4
Std Dev 130.5
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 84
Mean 0.0003897
Std Dev 0.2183
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



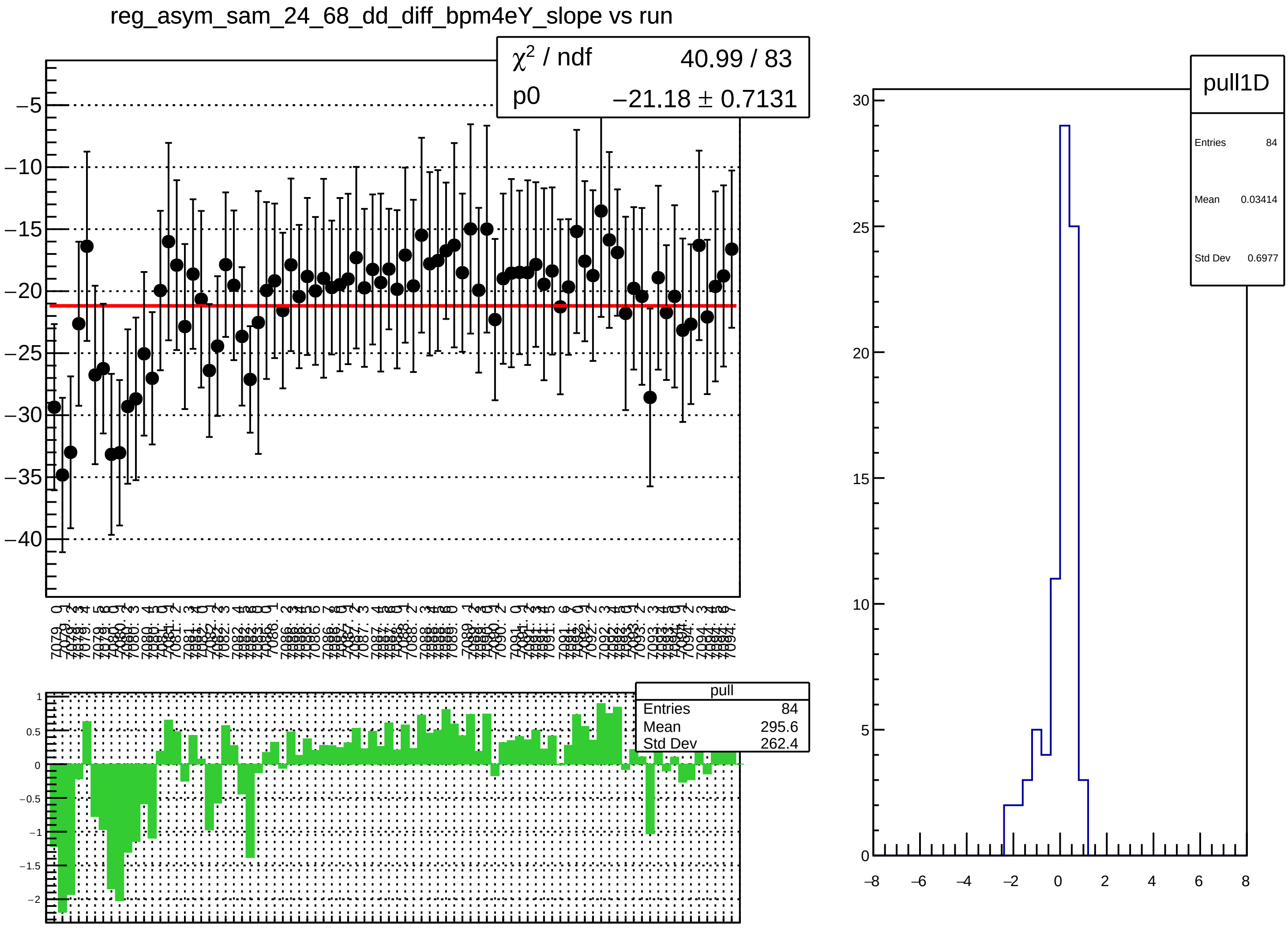
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 105.3 / 83
p0 −31.26 ± 0.8951
pull
Entries 84
Mean 142.2
Std Dev 112.4
pull1D
Entries 84
Mean 0.09817
Std Dev 1.115

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run

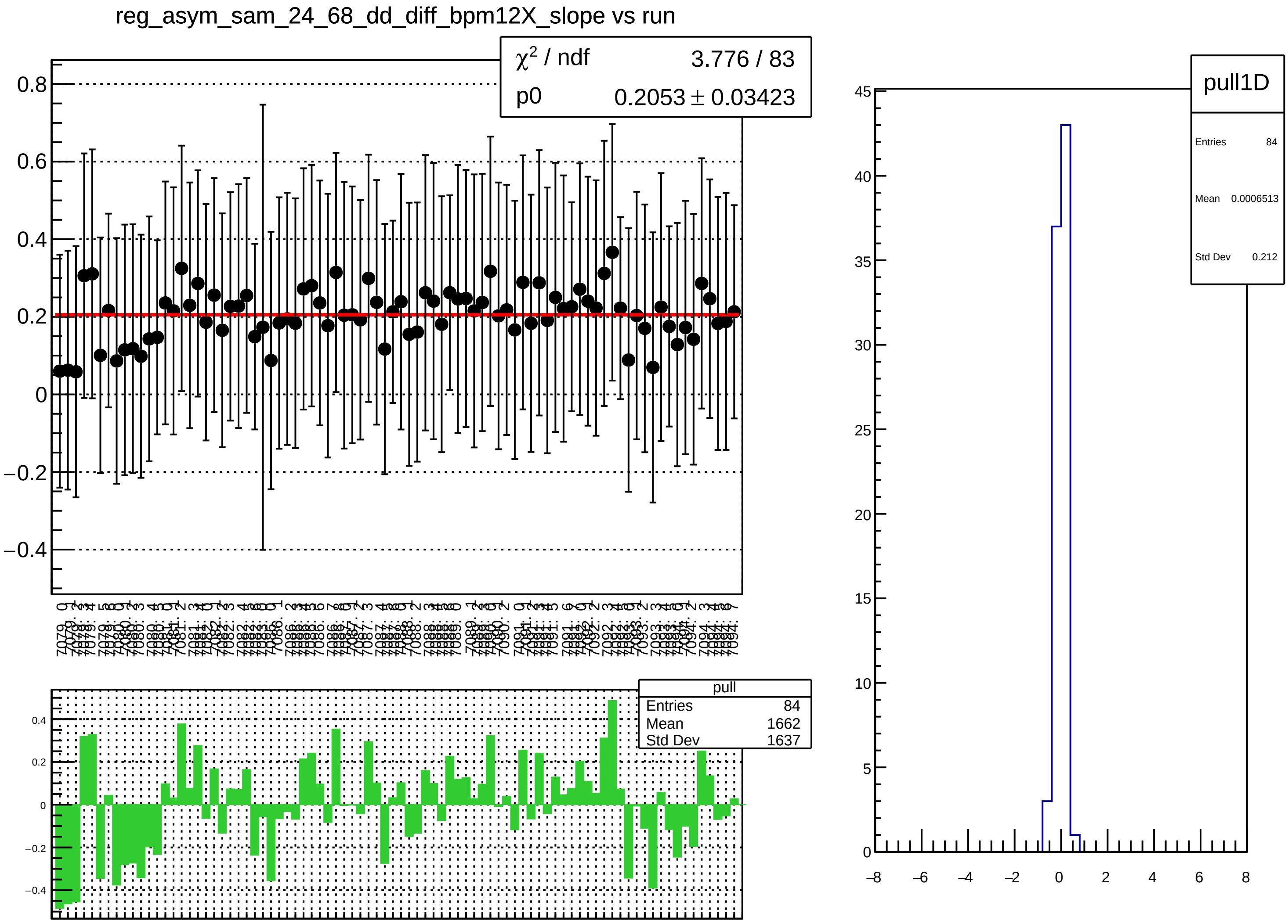




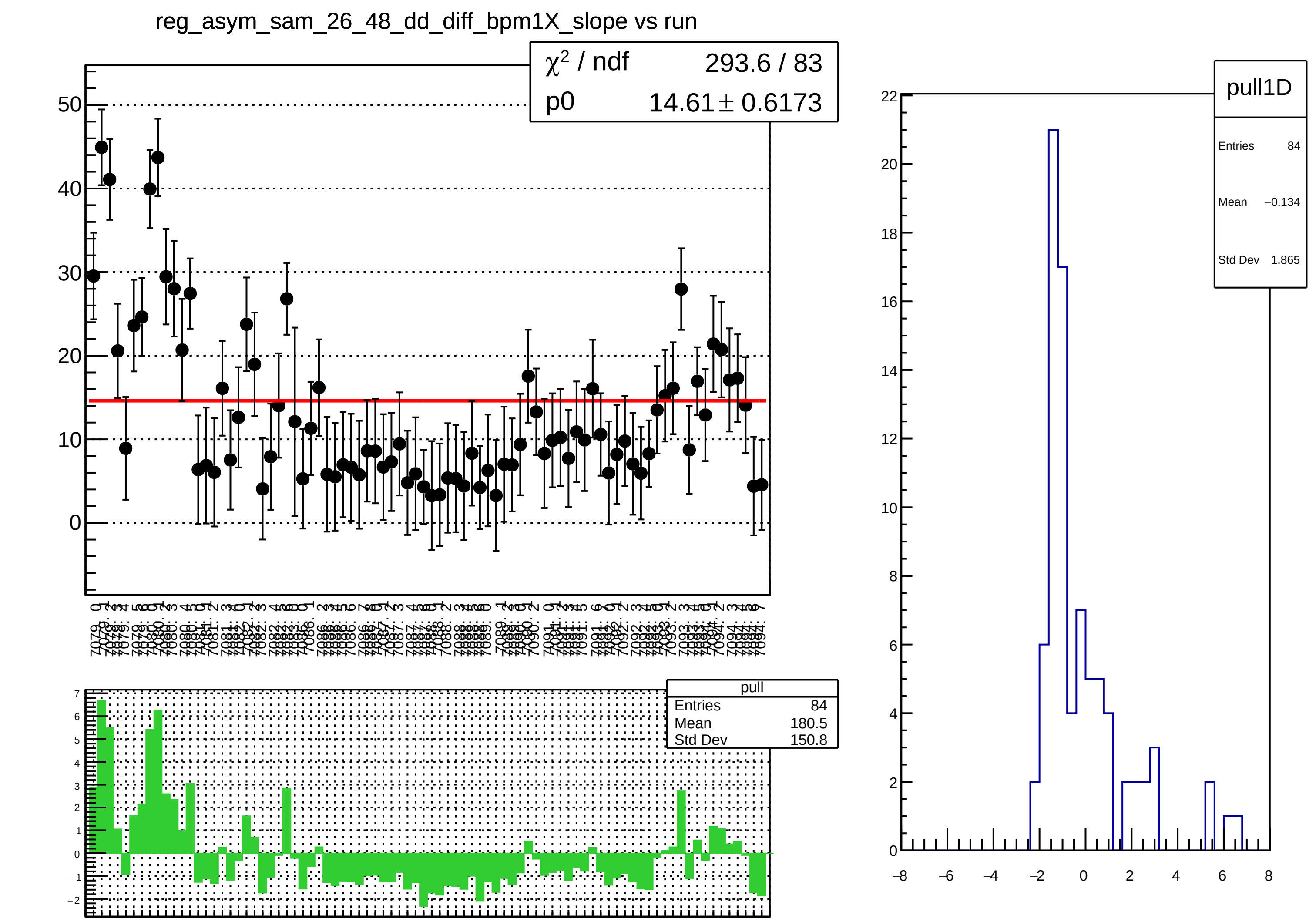
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ2 / ndf 83.16 / 83
p0 −74.08 ± 0.8634
−50
−60
−70
−80
−90
pull
Entries 84
Mean 132.9
Std Dev 103.4
3
2
1
0
−1
pull1D
Entries 84
Mean −0.09144
Std Dev 0.9908
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

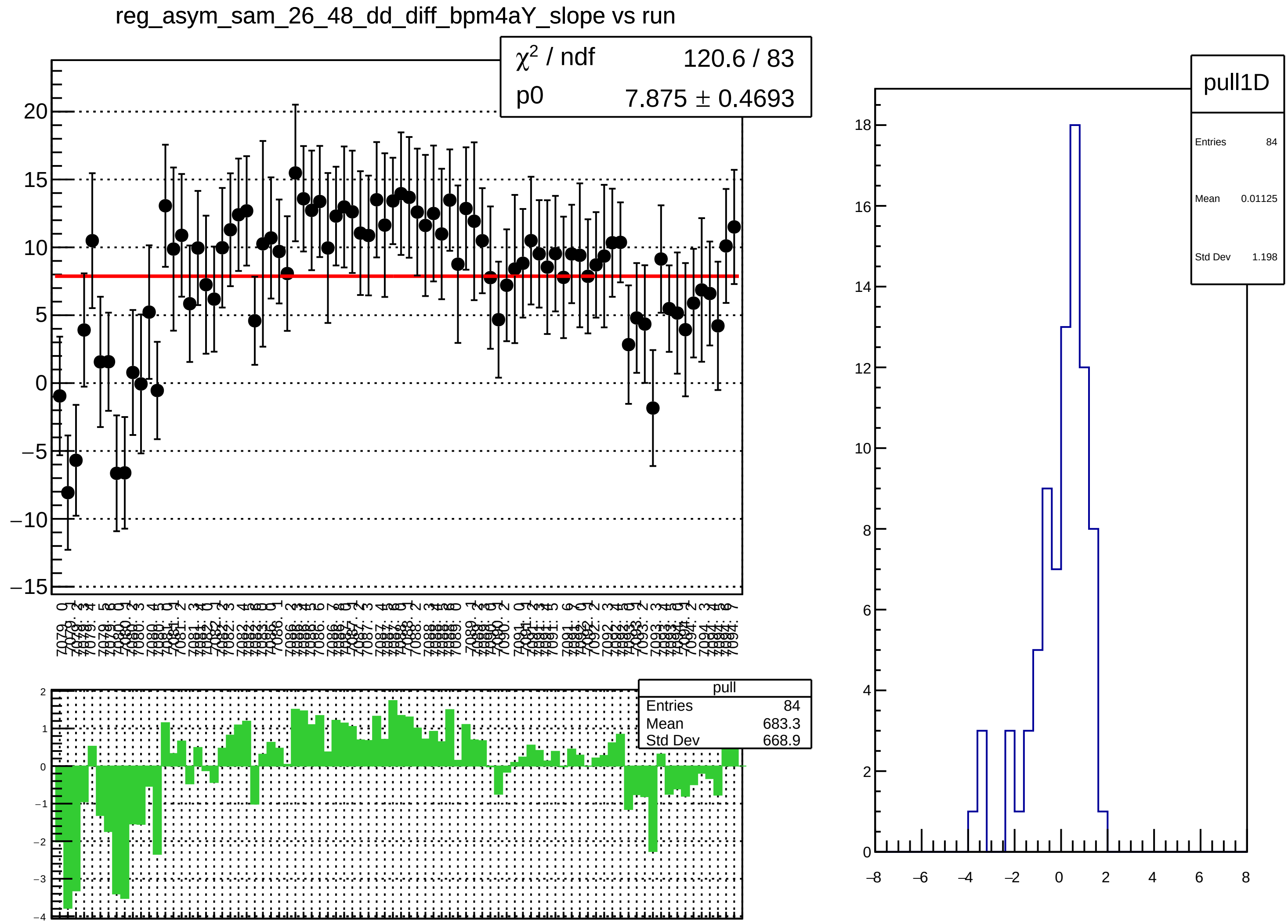


reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 40.99 / 83
p0 −21.18 ± 0.7131
pull
Entries 84
Mean 295.6
Std Dev 262.4
pull1D
Entries 84
Mean 0.03414
Std Dev 0.6977

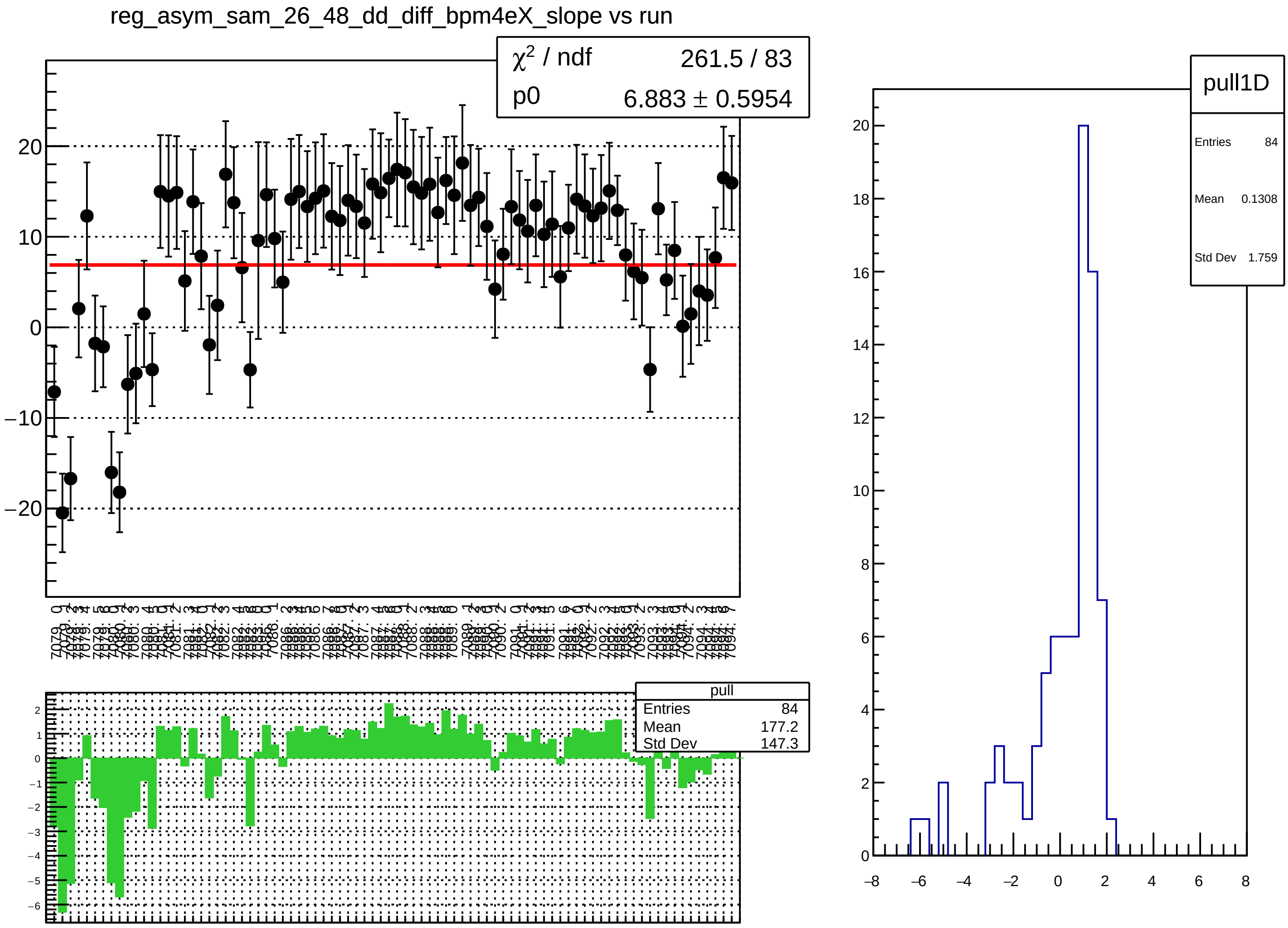


reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ2 / ndf 3.776 / 83
p0 0.2053 ± 0.03423
pull
Entries 84
Mean 1662
Std Dev 1637
pull1D
Entries 84
Mean 0.0006513
Std Dev 0.212

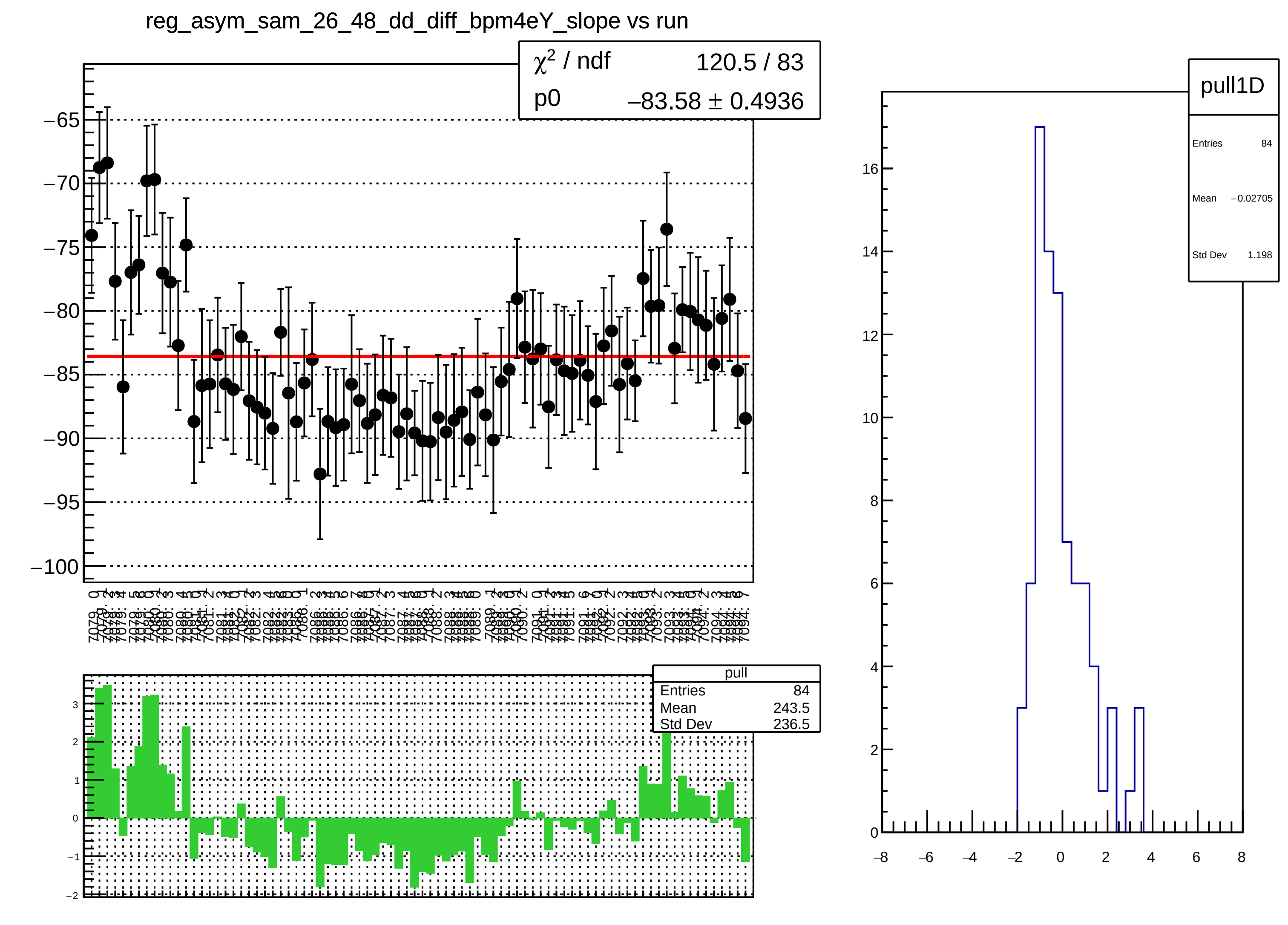

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 293.6 / 83
p0 14.61 ± 0.6173
pull
Entries 84
Mean 180.5
Std Dev 150.8
pull1D
Entries 84
Mean −0.134
Std Dev 1.865



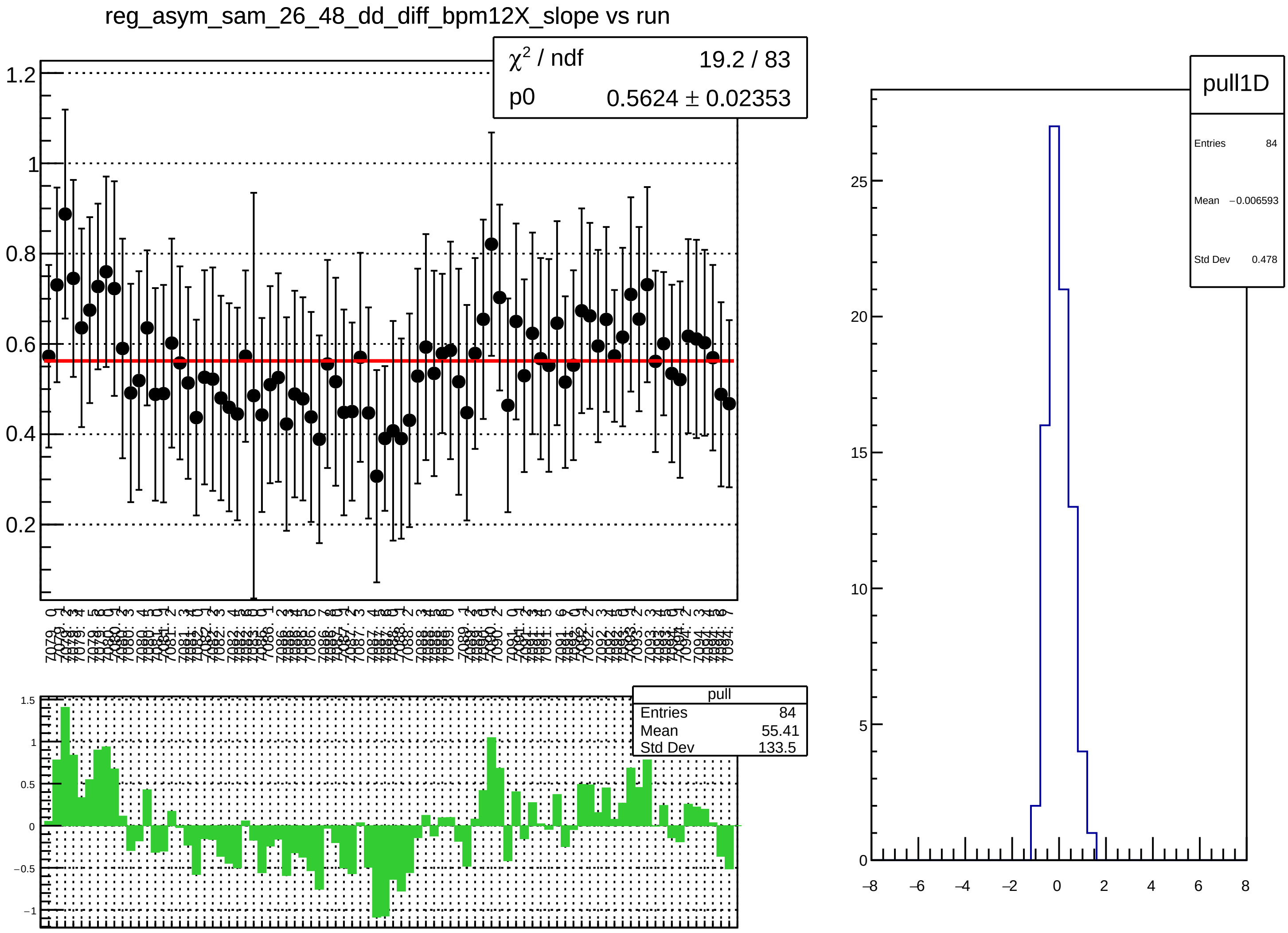
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 120.6 / 83
p0 7.875 ± 0.4693
pull
Entries 84
Mean 683.3
Std Dev 668.9
pull1D
Entries 84
Mean 0.01125
Std Dev 1.198

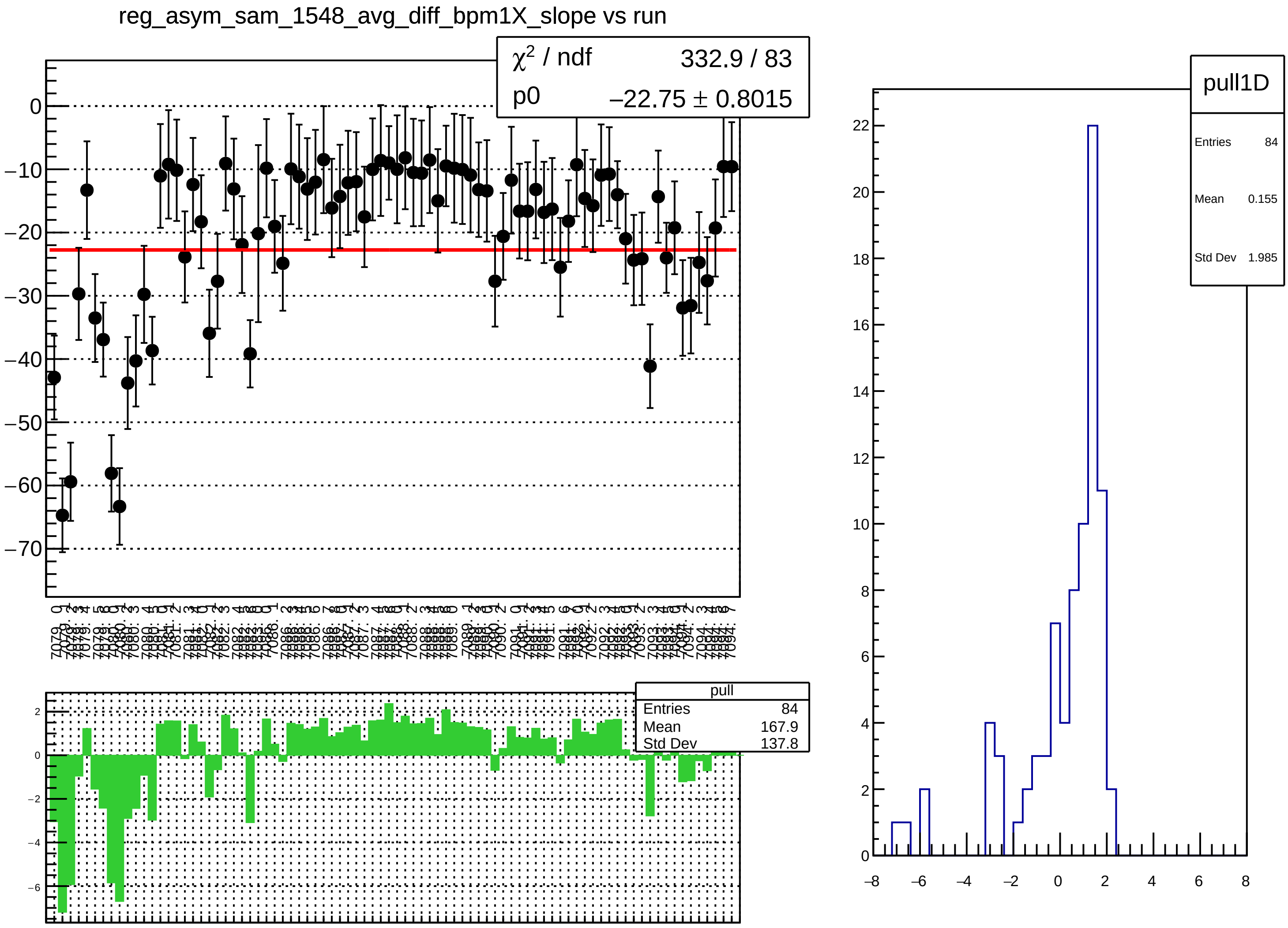


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 261.5 / 83
p0 6.883 ± 0.5954
pull
Entries 84
Mean 177.2
Std Dev 147.3
pull1D
Entries 84
Mean 0.1308
Std Dev 1.759

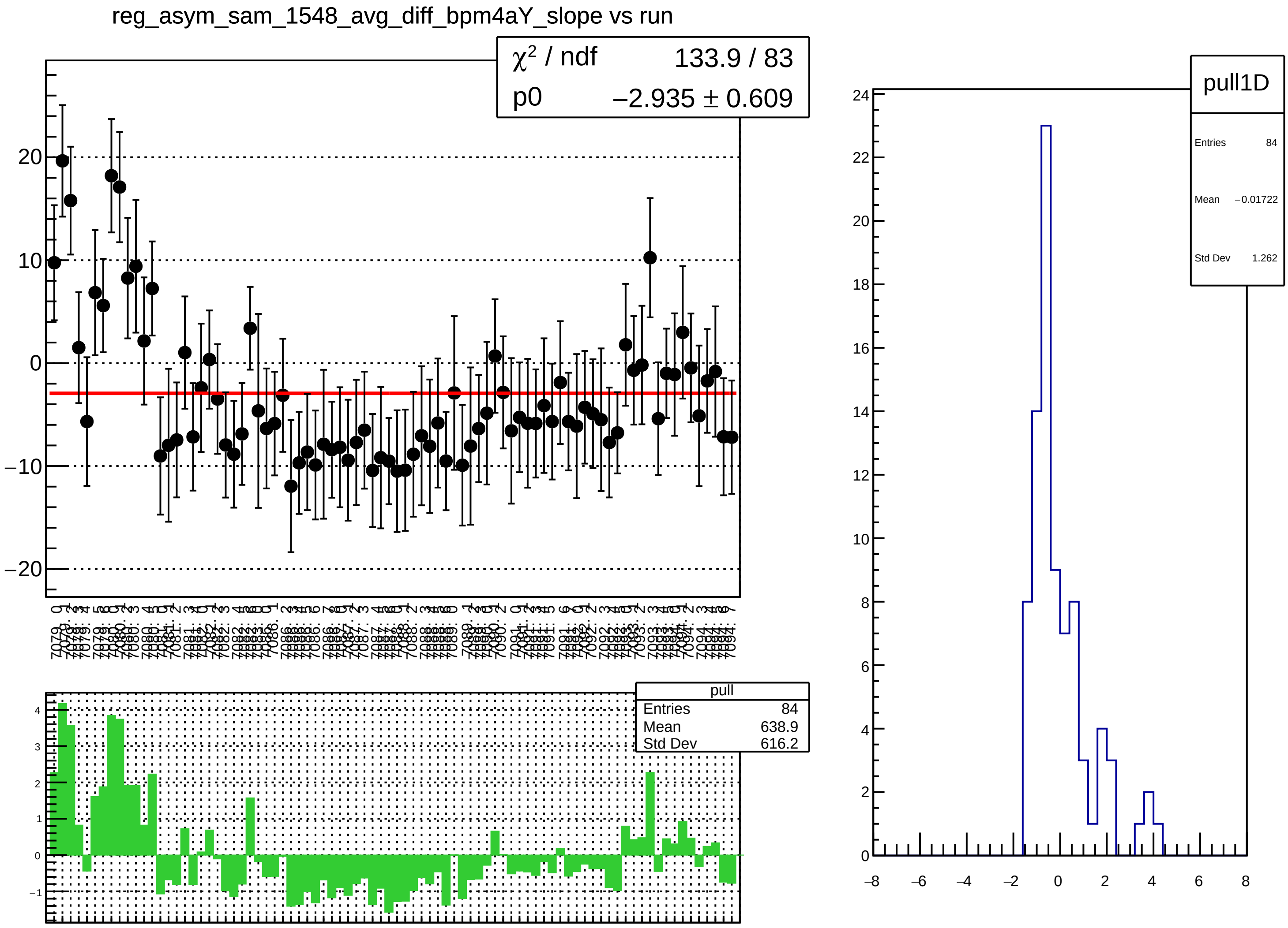


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 120.5 / 83
p0 −83.58 ± 0.4936
pull
Entries 84
Mean 243.5
Std Dev 236.5
pull1D
Entries 84
Mean −0.02705
Std Dev 1.198

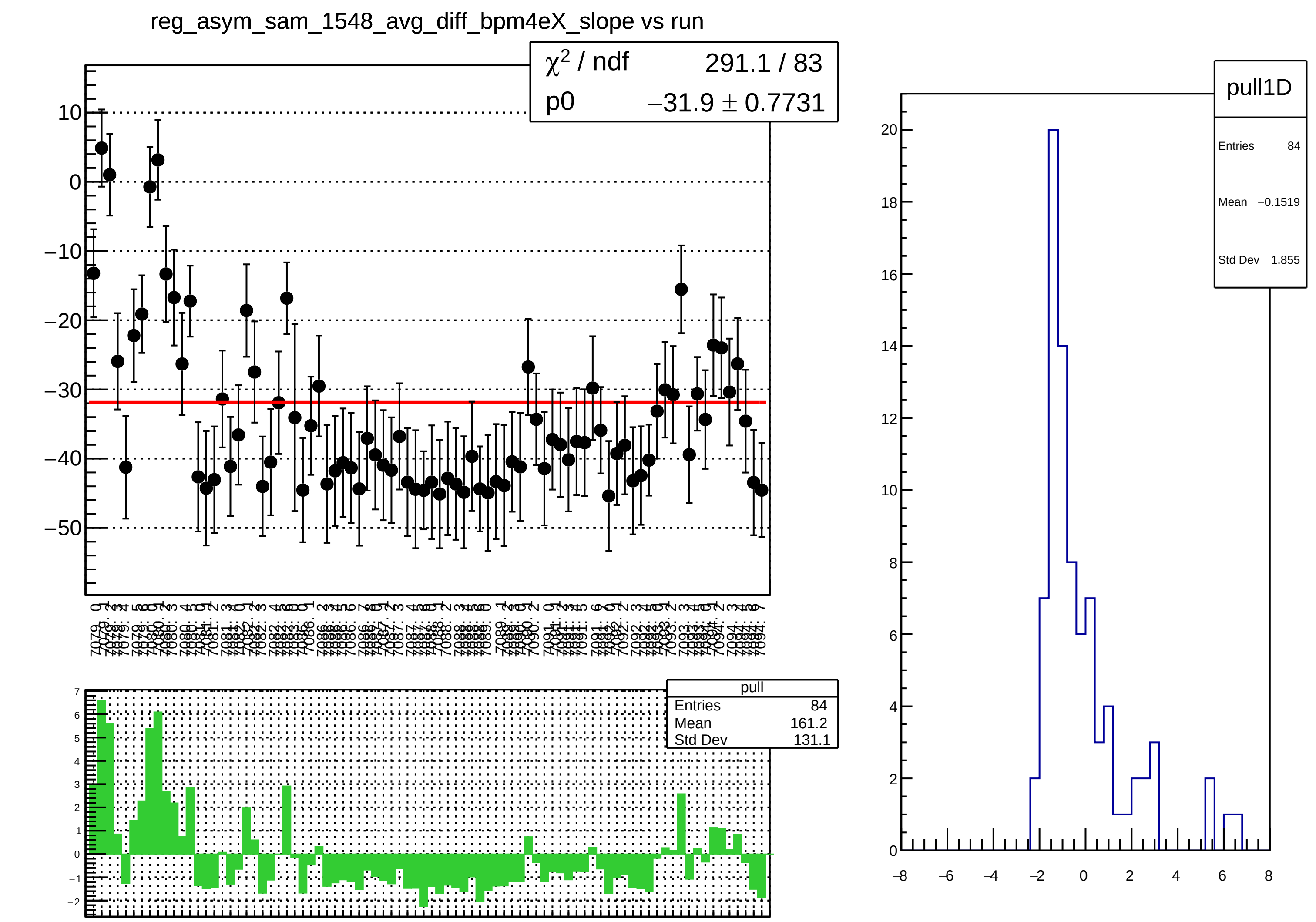

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 19.2 / 83
p0 0.5624 ± 0.02353
pull
Entries 84
Mean 55.41
Std Dev 133.5
pull1D
Entries 84
Mean −0.006593
Std Dev 0.478

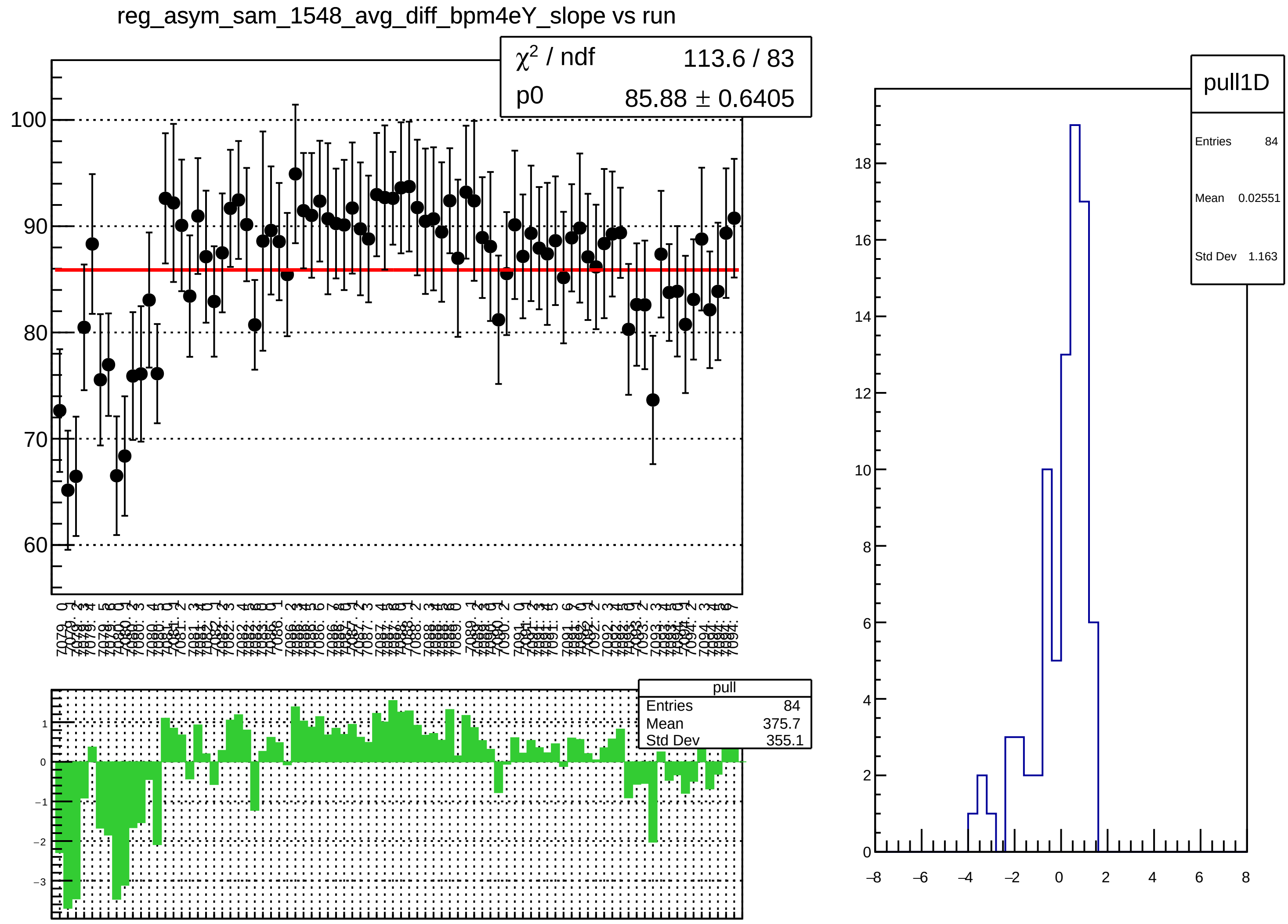


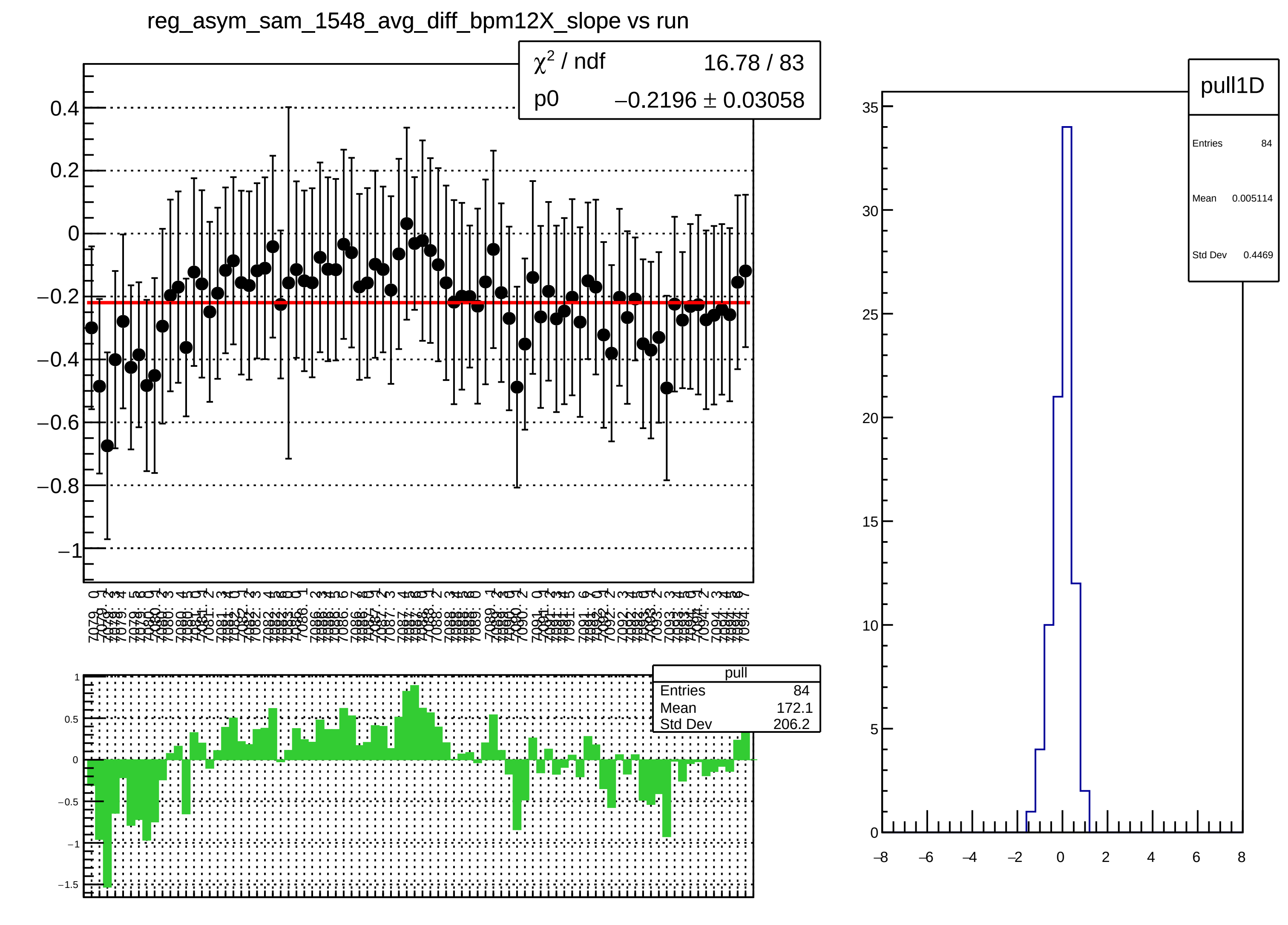
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 332.9 / 83
p0 −22.75 ± 0.8015
pull
Entries 84
Mean 167.9
Std Dev 137.8
pull1D
Entries 84
Mean 0.155
Std Dev 1.985

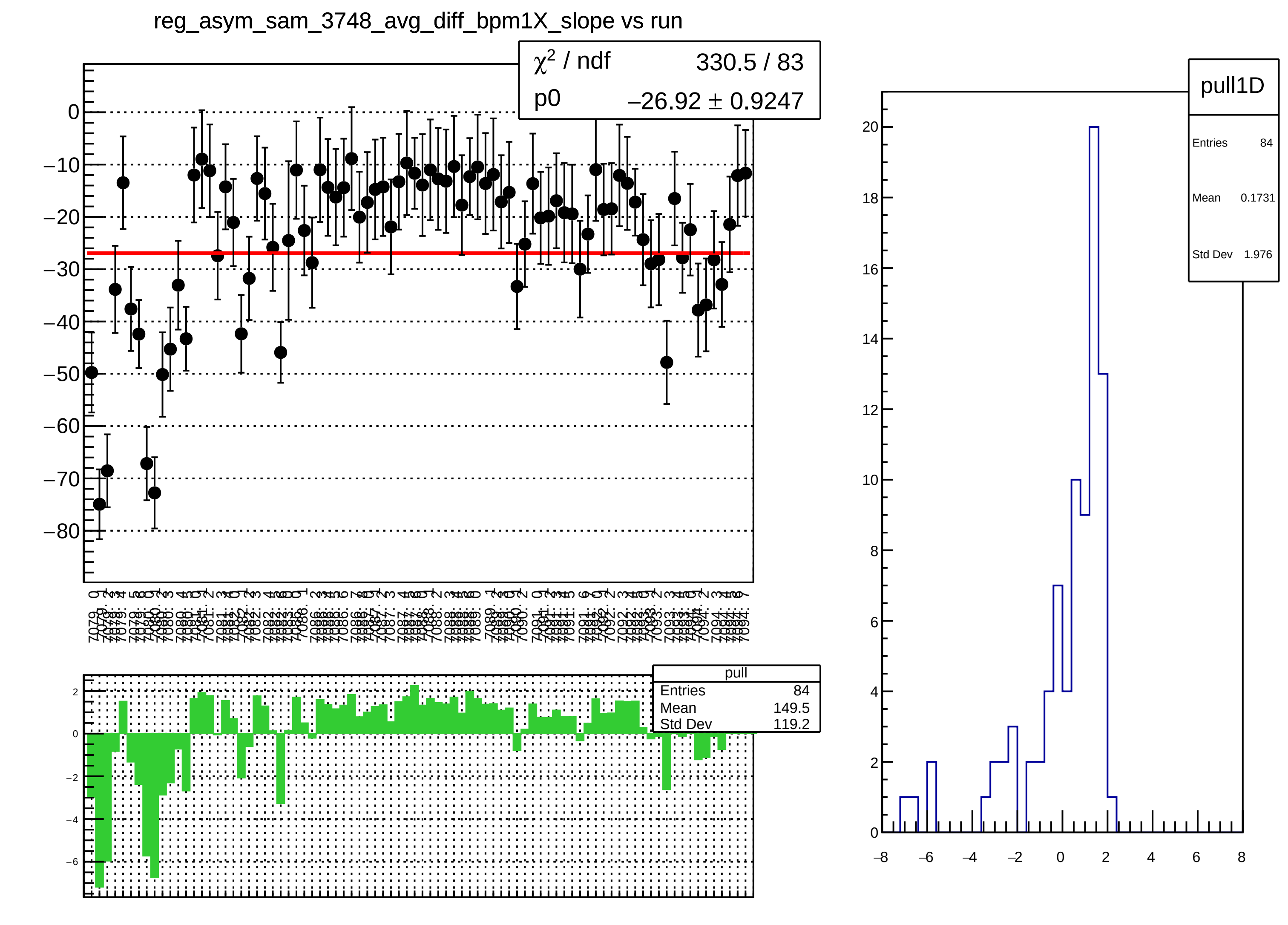


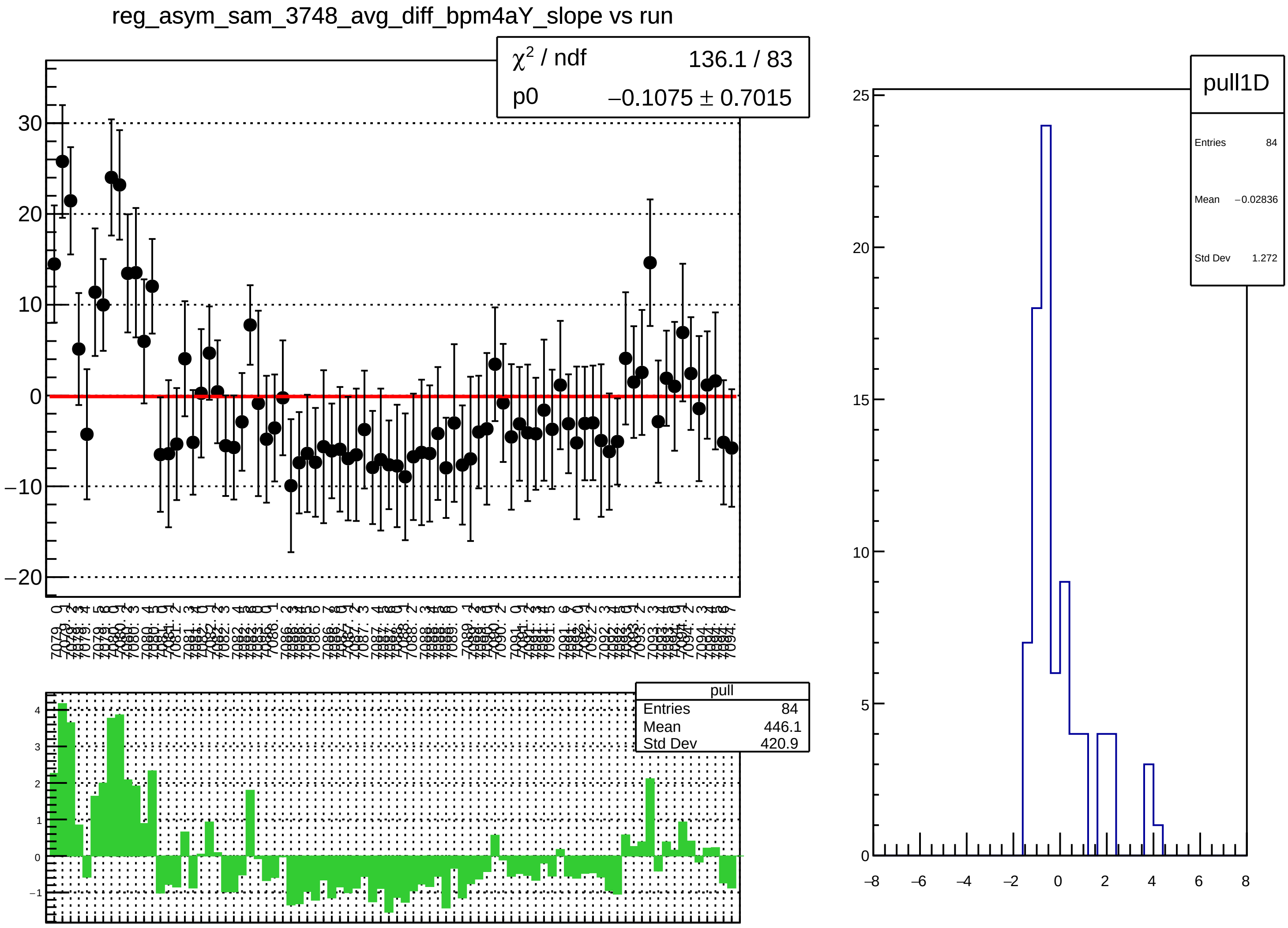
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ2 / ndf 133.9 / 83
p0 −2.935 ± 0.609
pull
Entries 84
Mean 638.9
Std Dev 616.2
pull1D
Entries 84
Mean −0.01722
Std Dev 1.262


reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 291.1 / 83
p0 −31.9 ± 0.7731
pull
Entries 84
Mean 161.2
Std Dev 131.1
pull1D
Entries 84
Mean −0.1519
Std Dev 1.855

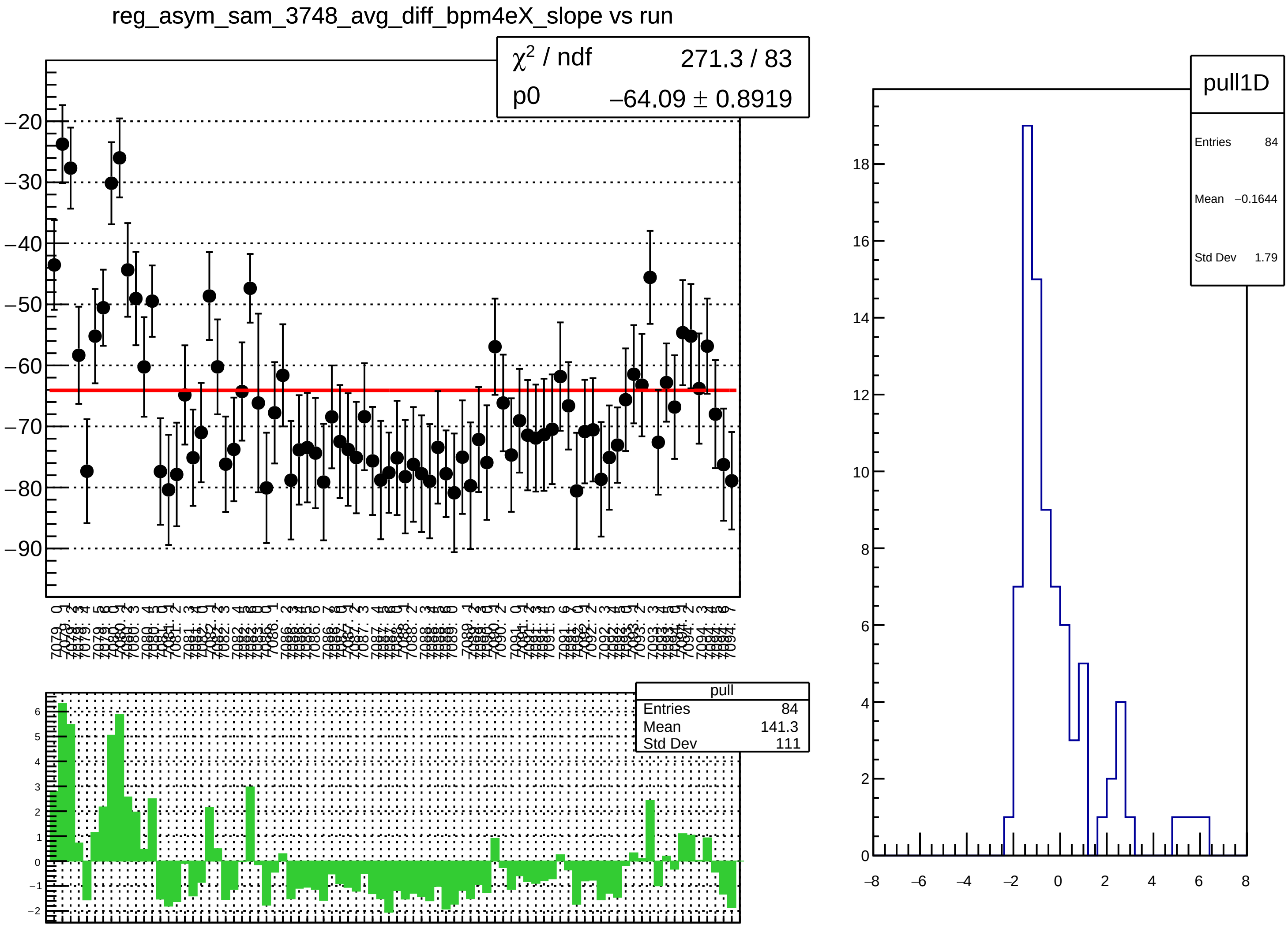

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 113.6 / 83
p0 85.88 ± 0.6405
pull
Entries 84
Mean 375.7
Std Dev 355.1
pull1D
Entries 84
Mean 0.02551
Std Dev 1.163


reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 16.78 / 83
p0 −0.2196 ± 0.03058
pull
Entries 84
Mean 172.1
Std Dev 206.2
pull1D
Entries 84
Mean 0.005114
Std Dev 0.4469

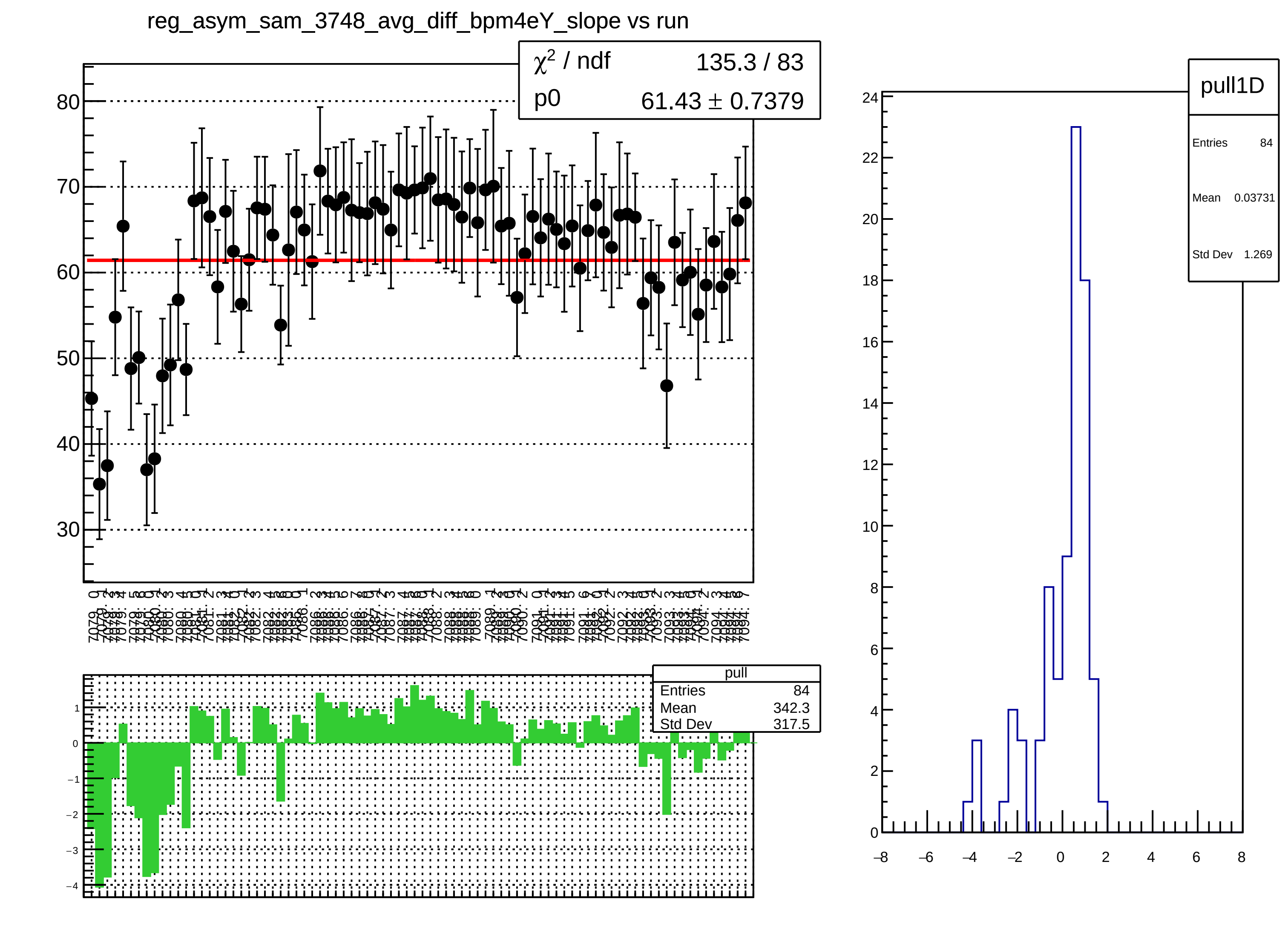

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 330.5 / 83
p0 −26.92 ± 0.9247
pull
Entries 84
Mean 149.5
Std Dev 119.2
pull1D
Entries 84
Mean 0.1731
Std Dev 1.976

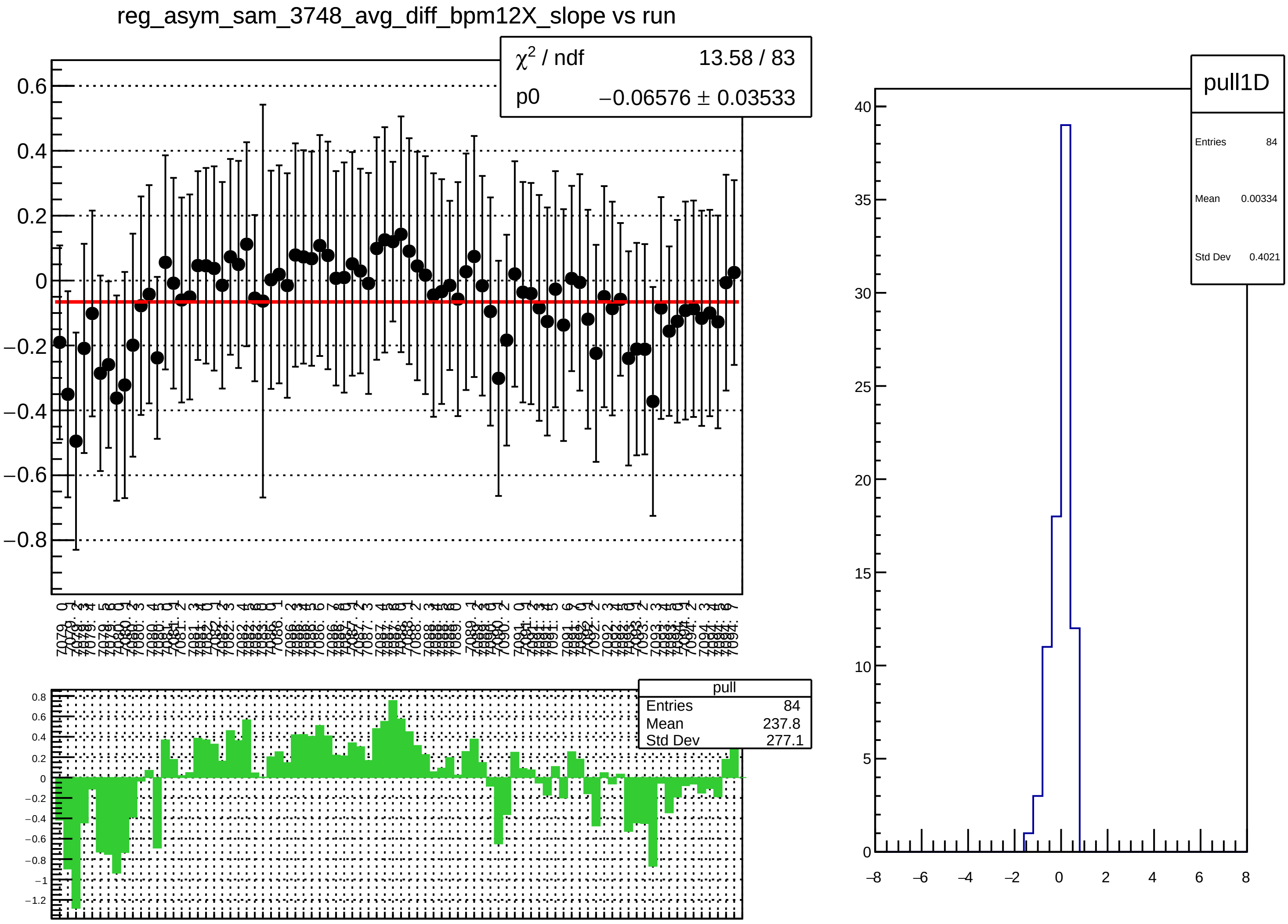


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 136.1 / 83
p0 −0.1075 ± 0.7015
pull
Entries 84
Mean 446.1
Std Dev 420.9
pull1D
Entries 84
Mean −0.02836
Std Dev 1.272



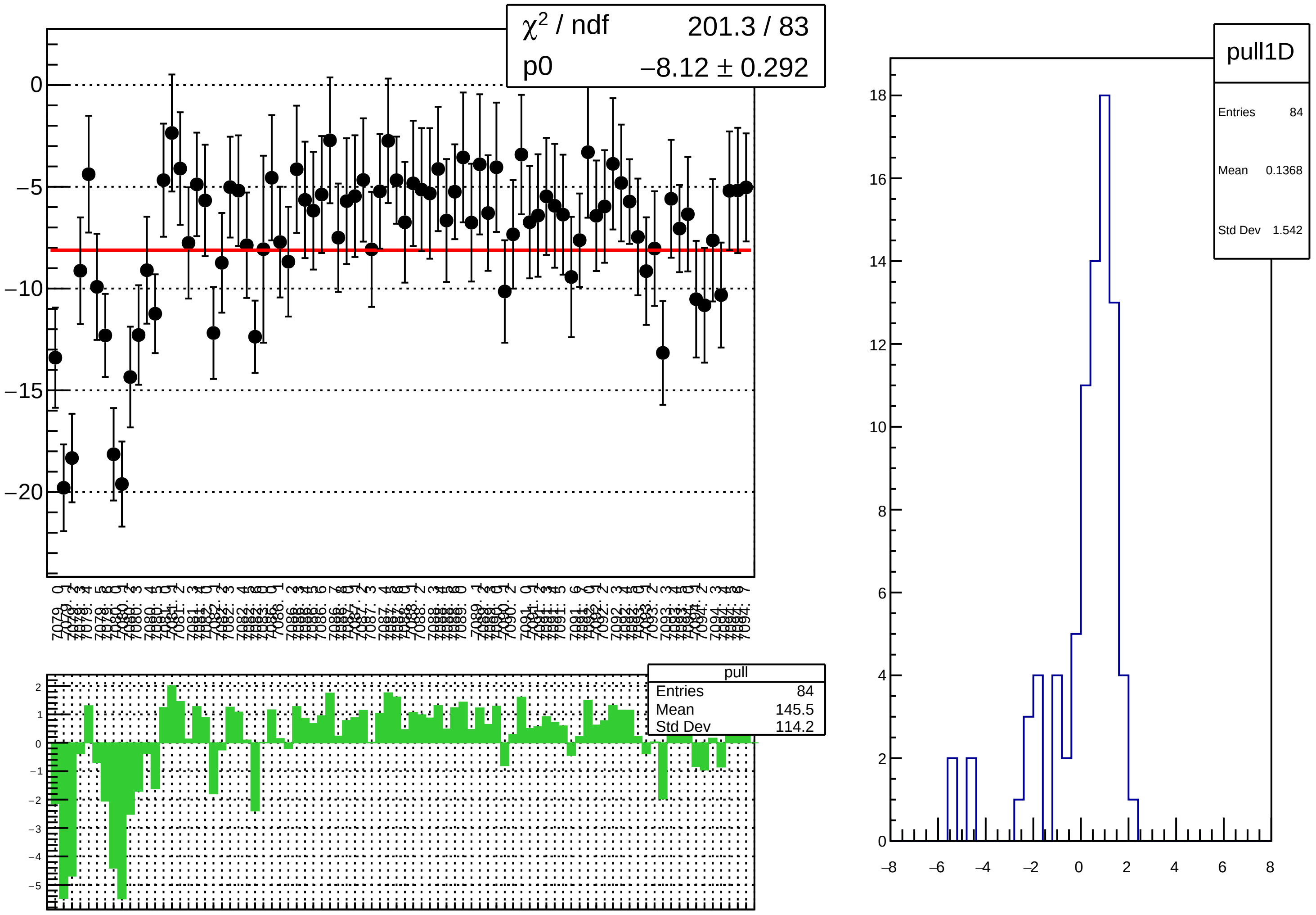
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ2 / ndf 271.3 / 83
p0 −64.09 ± 0.8919
pull
Entries 84
Mean 141.3
Std Dev 111
pull1D
Entries 84
Mean −0.1644
Std Dev 1.79

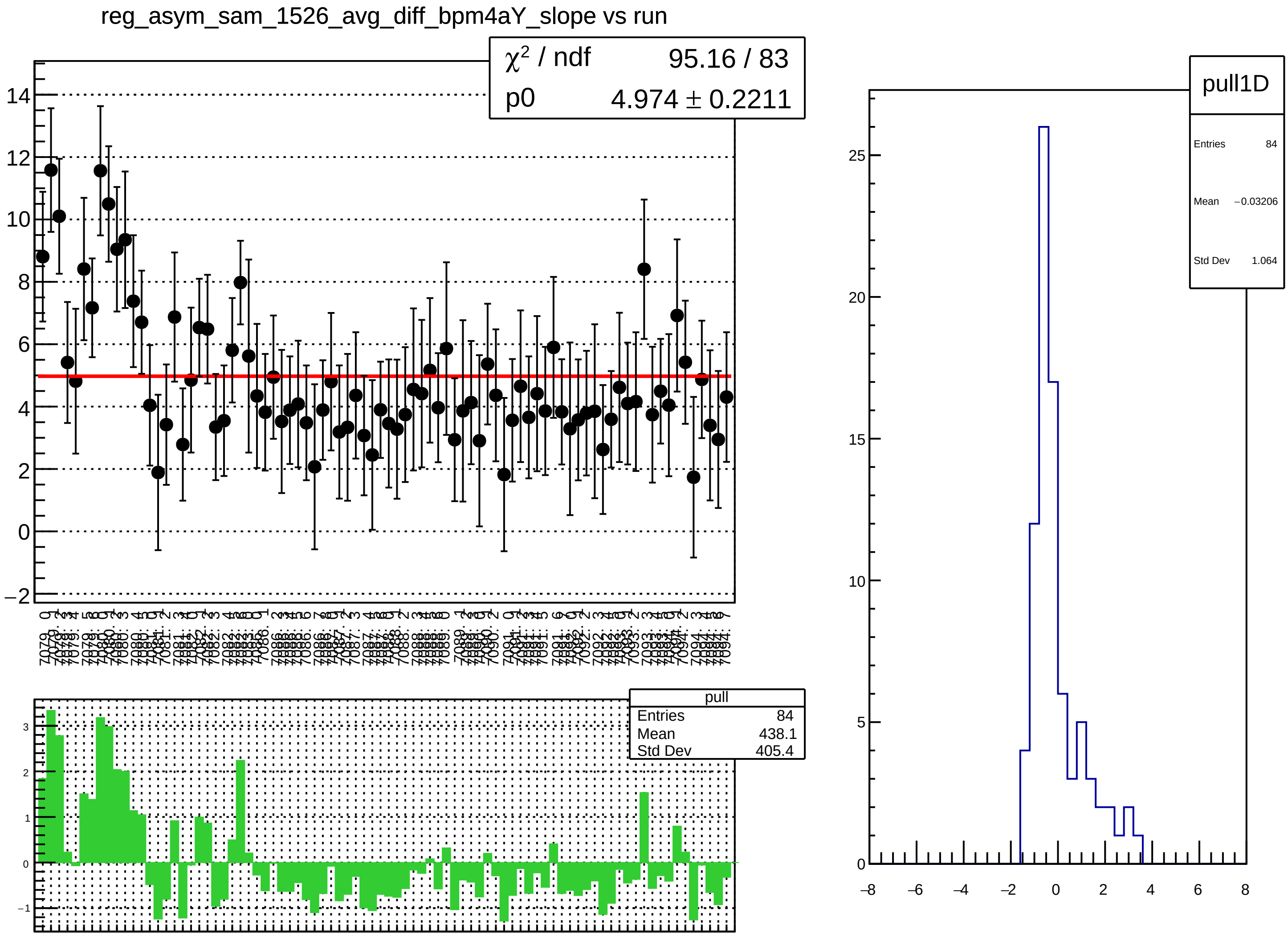

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 135.3 / 83
p0 61.43 ± 0.7379
pull
Entries 84
Mean 342.3
Std Dev 317.5
pull1D
Entries 84
Mean 0.03731
Std Dev 1.269



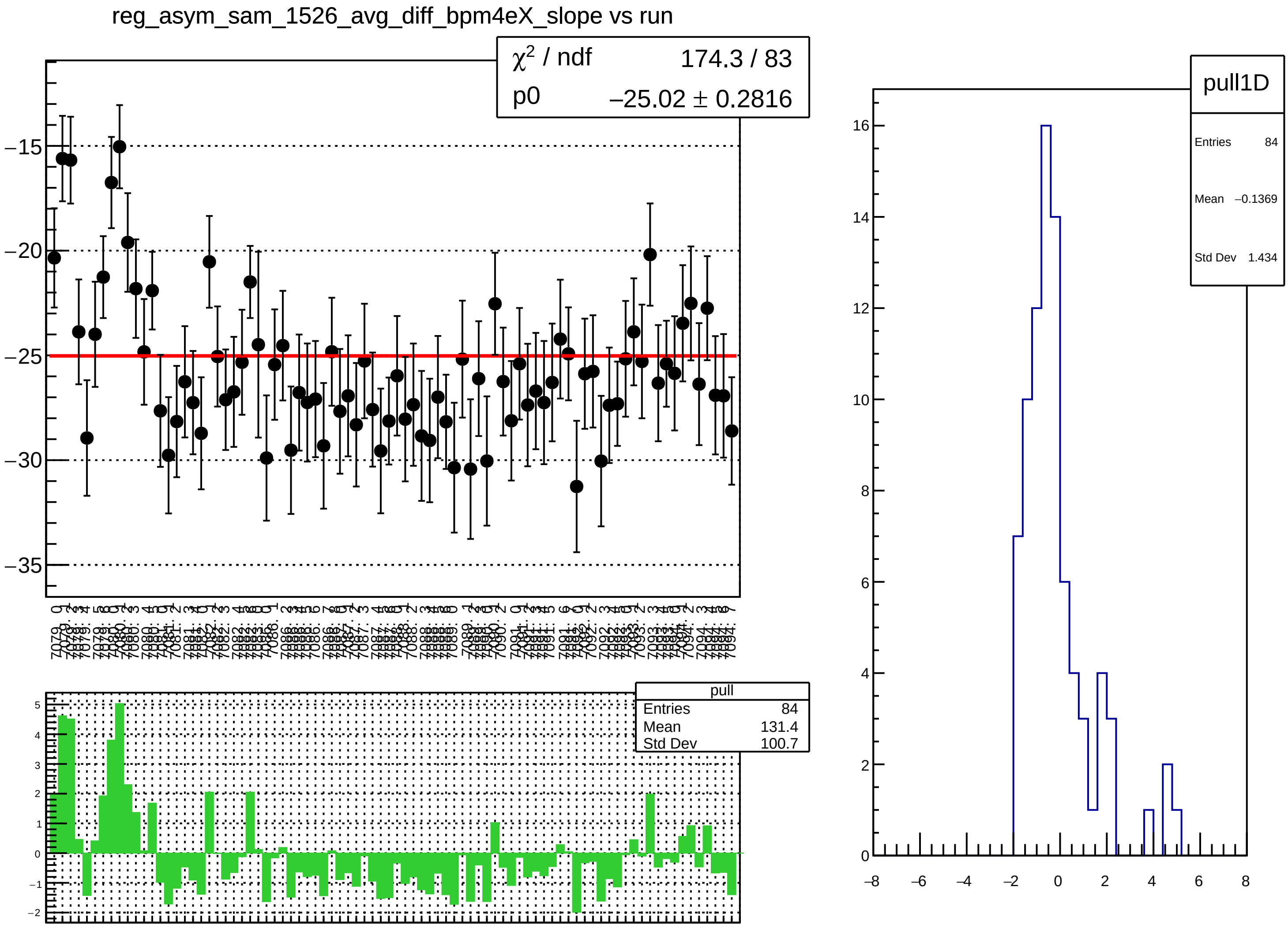
reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.58 / 83
p0 −0.06576 ± 0.03533
pull
Entries 84
Mean 237.8
Std Dev 277.1
pull1D
Entries 84
Mean 0.00334
Std Dev 0.4021

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run

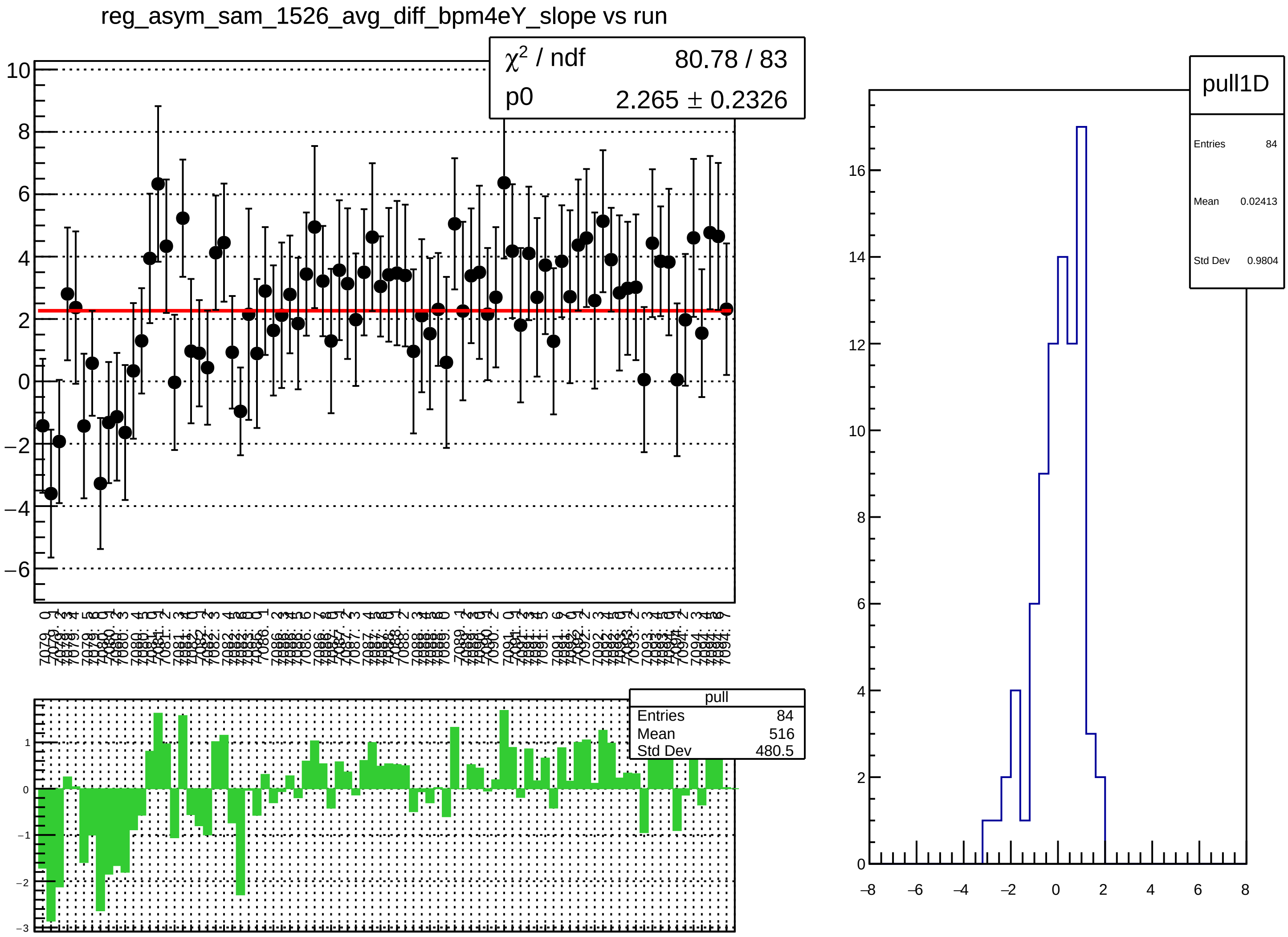




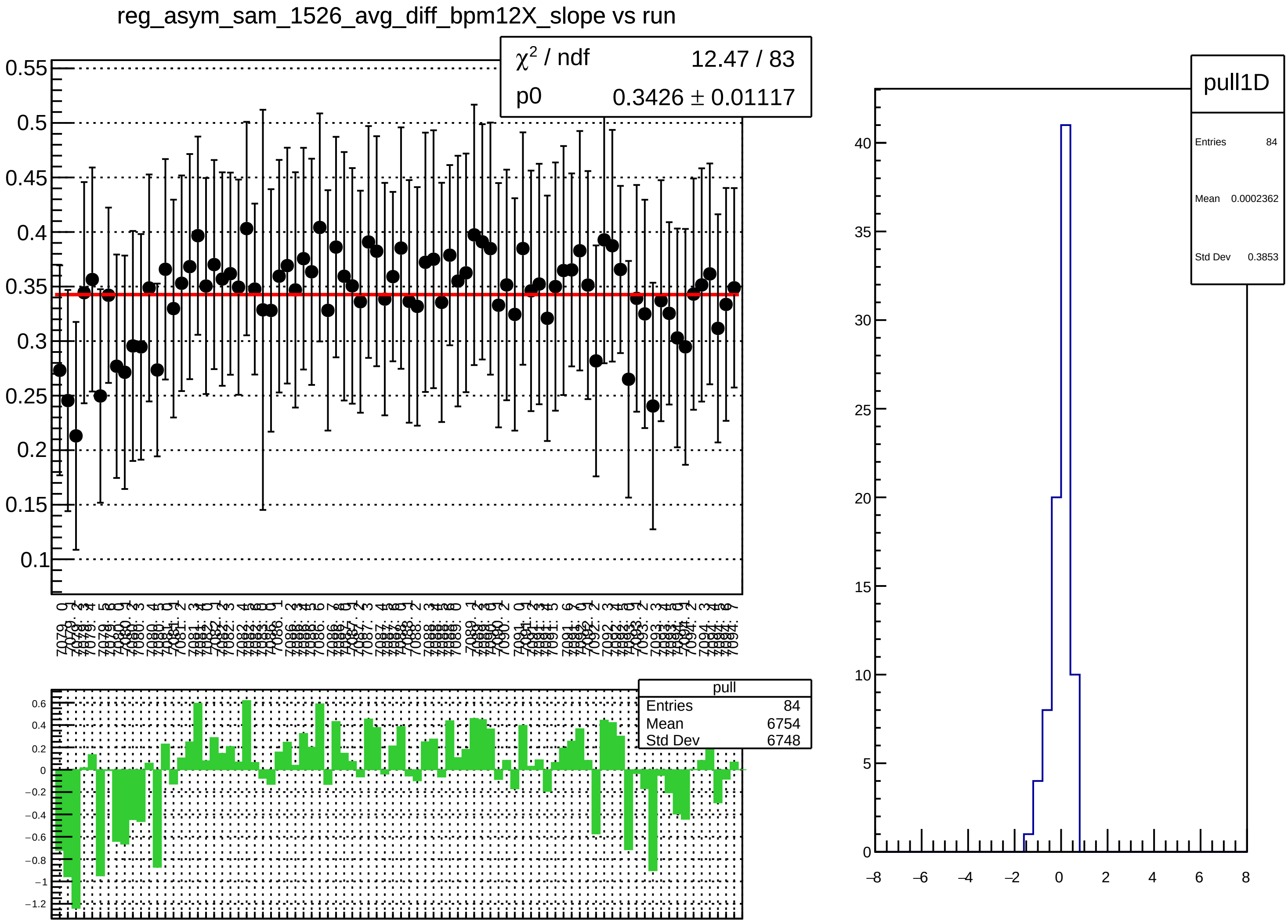
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ2 / ndf 95.16 / 83
p0 4.974 ± 0.2211
pull
Entries 84
Mean 438.1
Std Dev 405.4
pull1D
Entries 84
Mean −0.03206
Std Dev 1.064



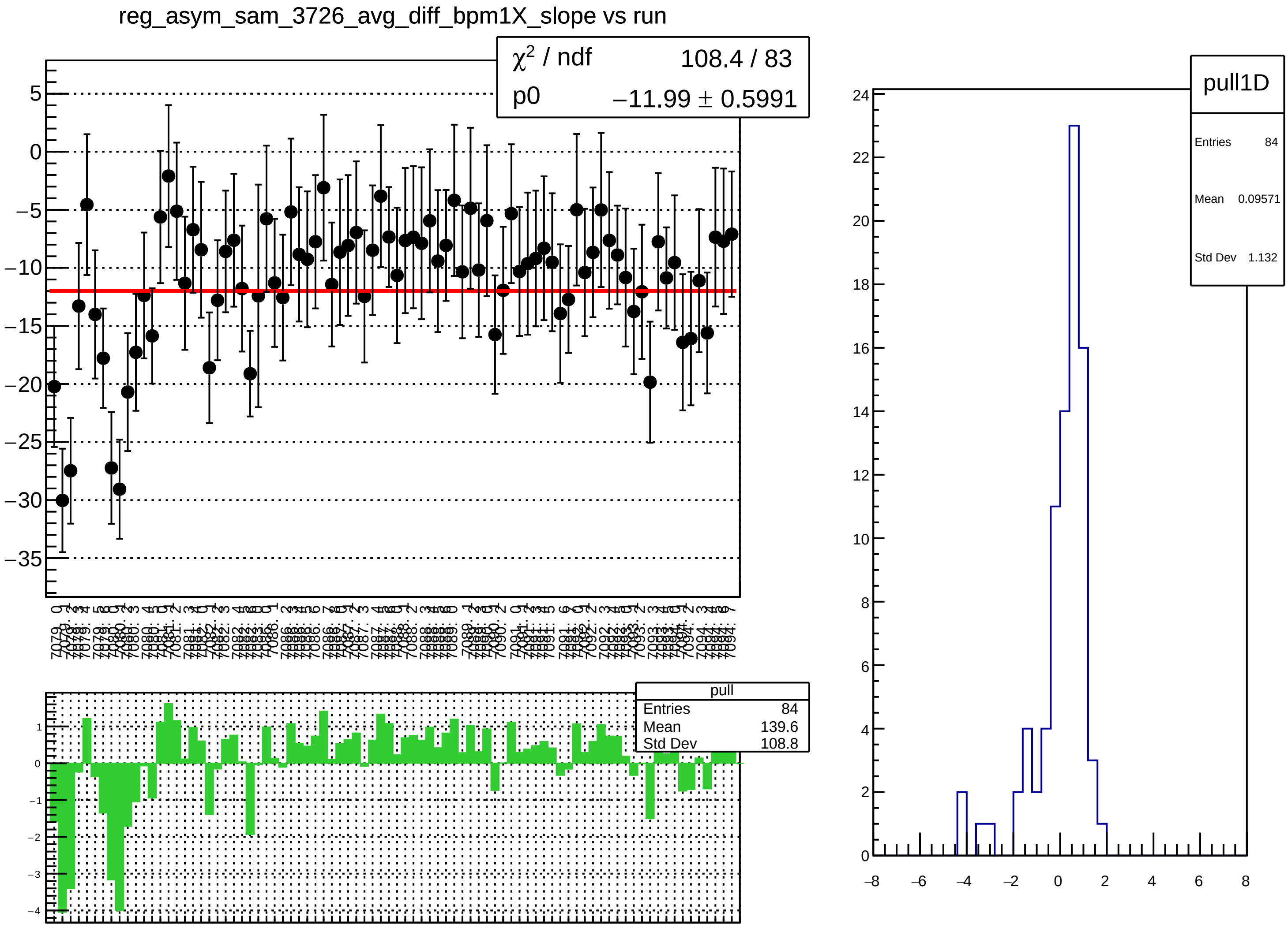
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ2 / ndf 174.3 / 83
p0 −25.02 ± 0.2816
pull
Entries 84
Mean 131.4
Std Dev 100.7
pull1D
Entries 84
Mean −0.1369
Std Dev 1.434



reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 80.78 / 83
p0 2.265 ± 0.2326
pull
Entries 84
Mean 516
Std Dev 480.5
pull1D
Entries 84
Mean 0.02413
Std Dev 0.9804

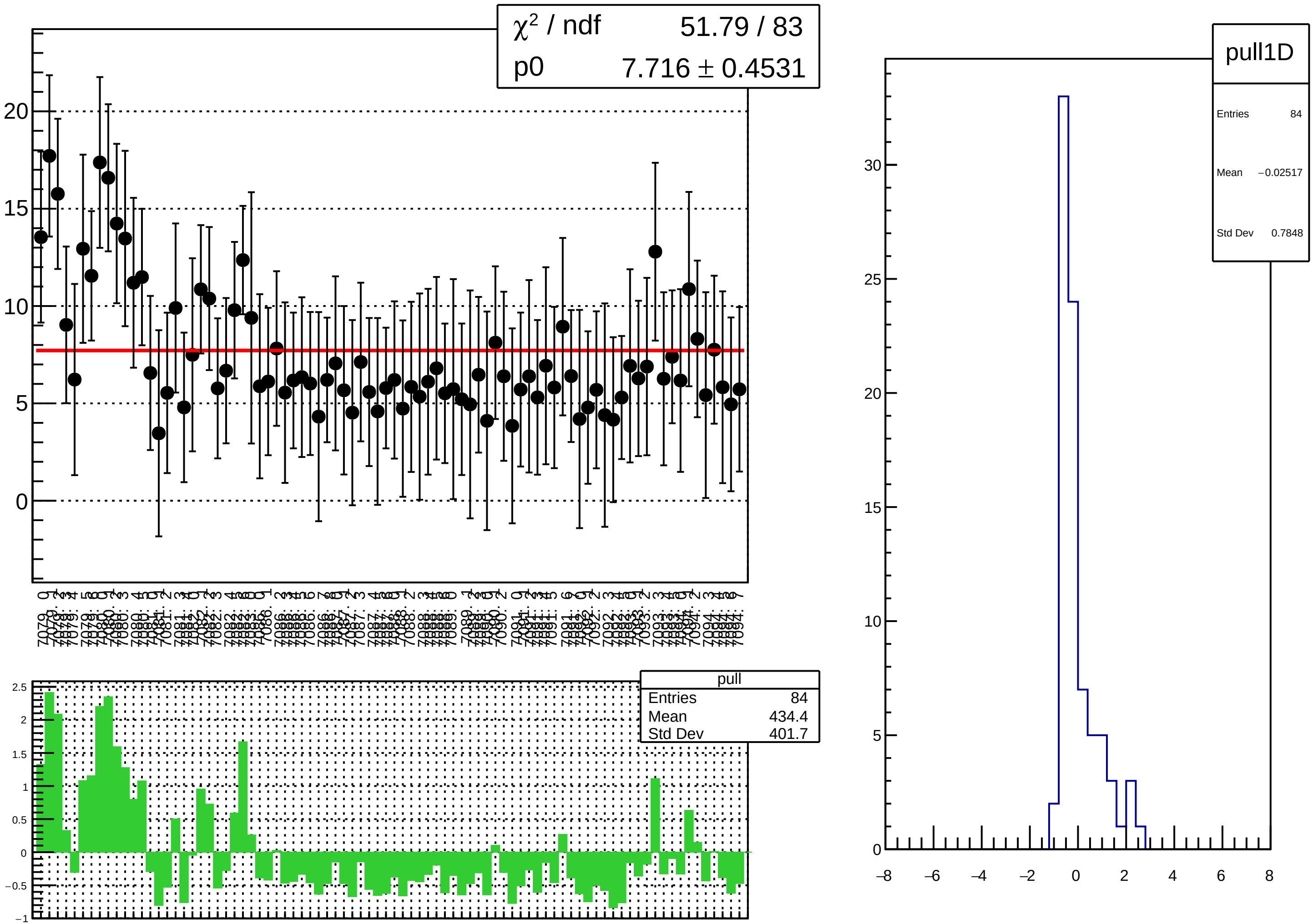


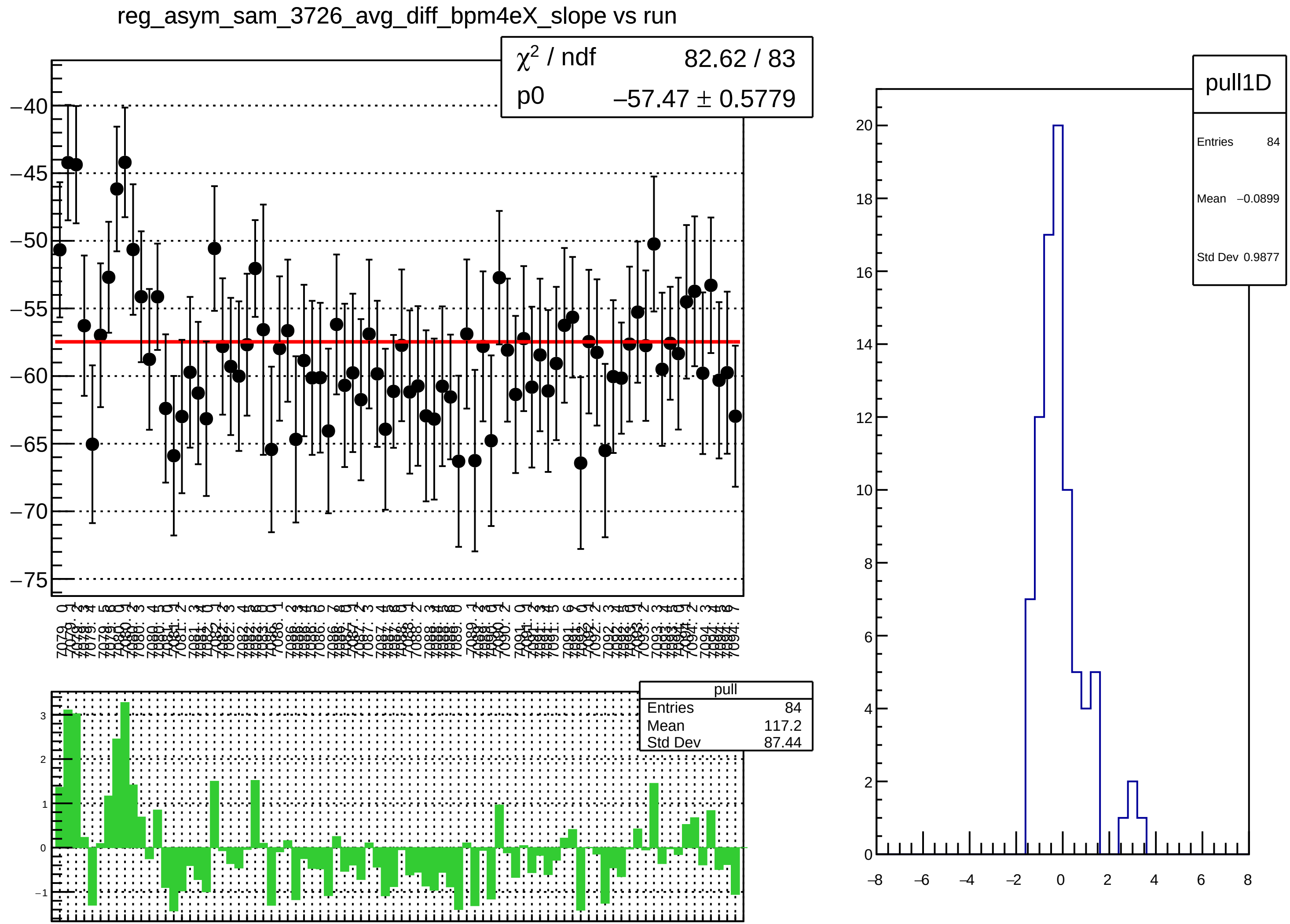
reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ2 / ndf 12.47 / 83
p0 0.3426 ± 0.01117
pull
Entries 84
Mean 6754
Std Dev 6748
pull1D
Entries 84
Mean 0.0002362
Std Dev 0.3853

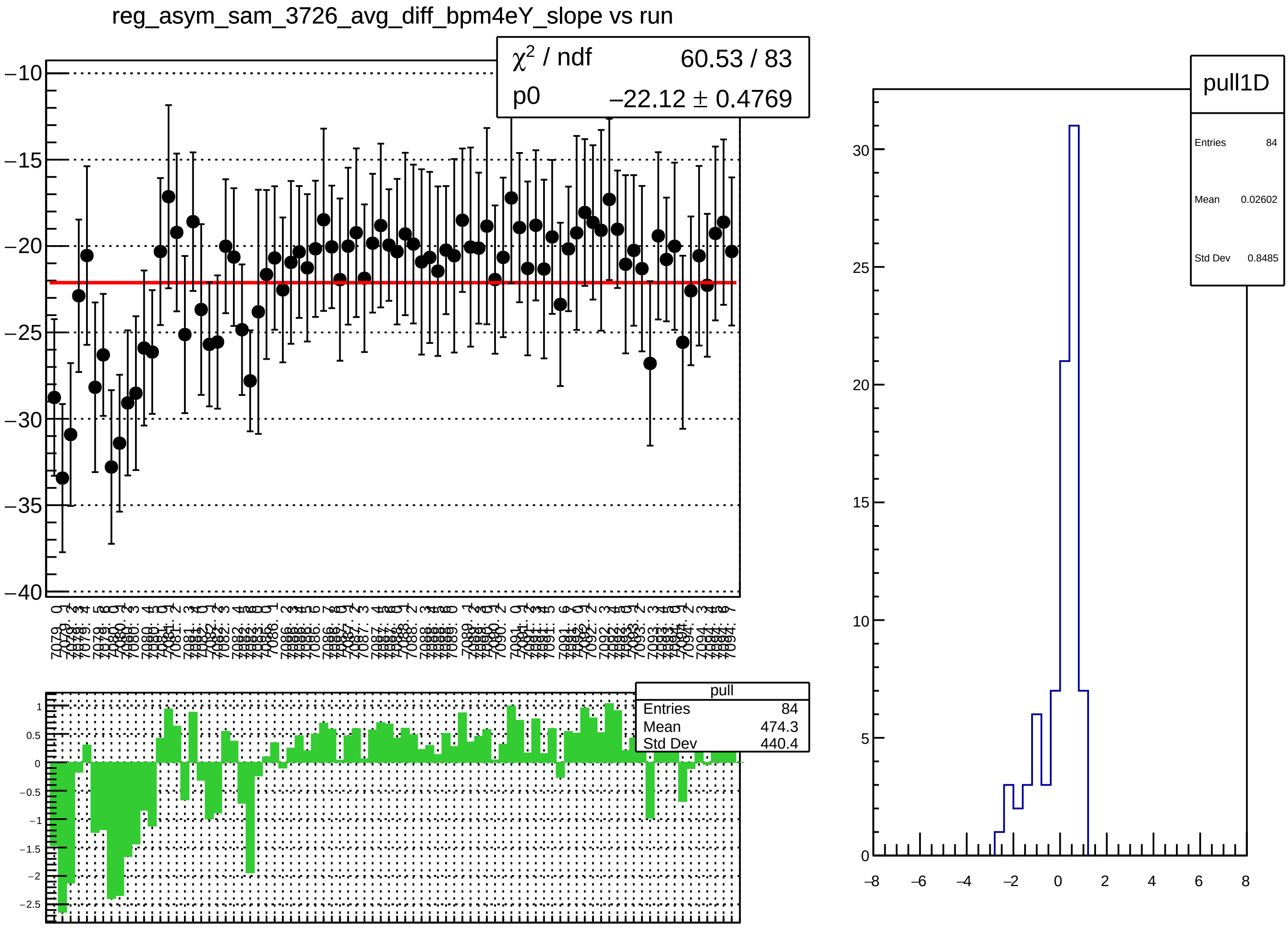


reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ2 / ndf 108.4 / 83
p0 −11.99 ± 0.5991
pull
Entries 84
Mean 139.6
Std Dev 108.8
pull1D
Entries 84
Mean 0.09571
Std Dev 1.132

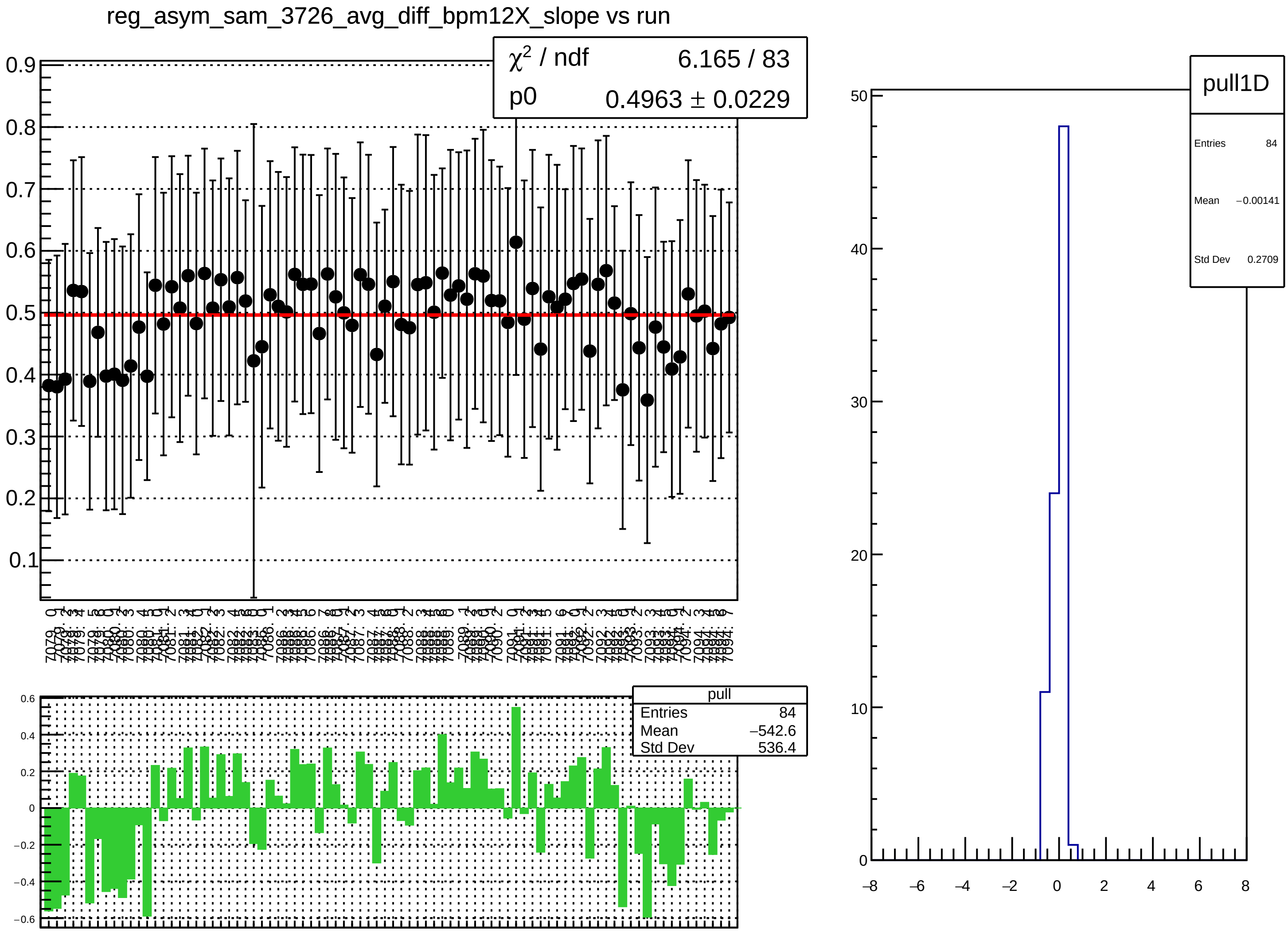
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run

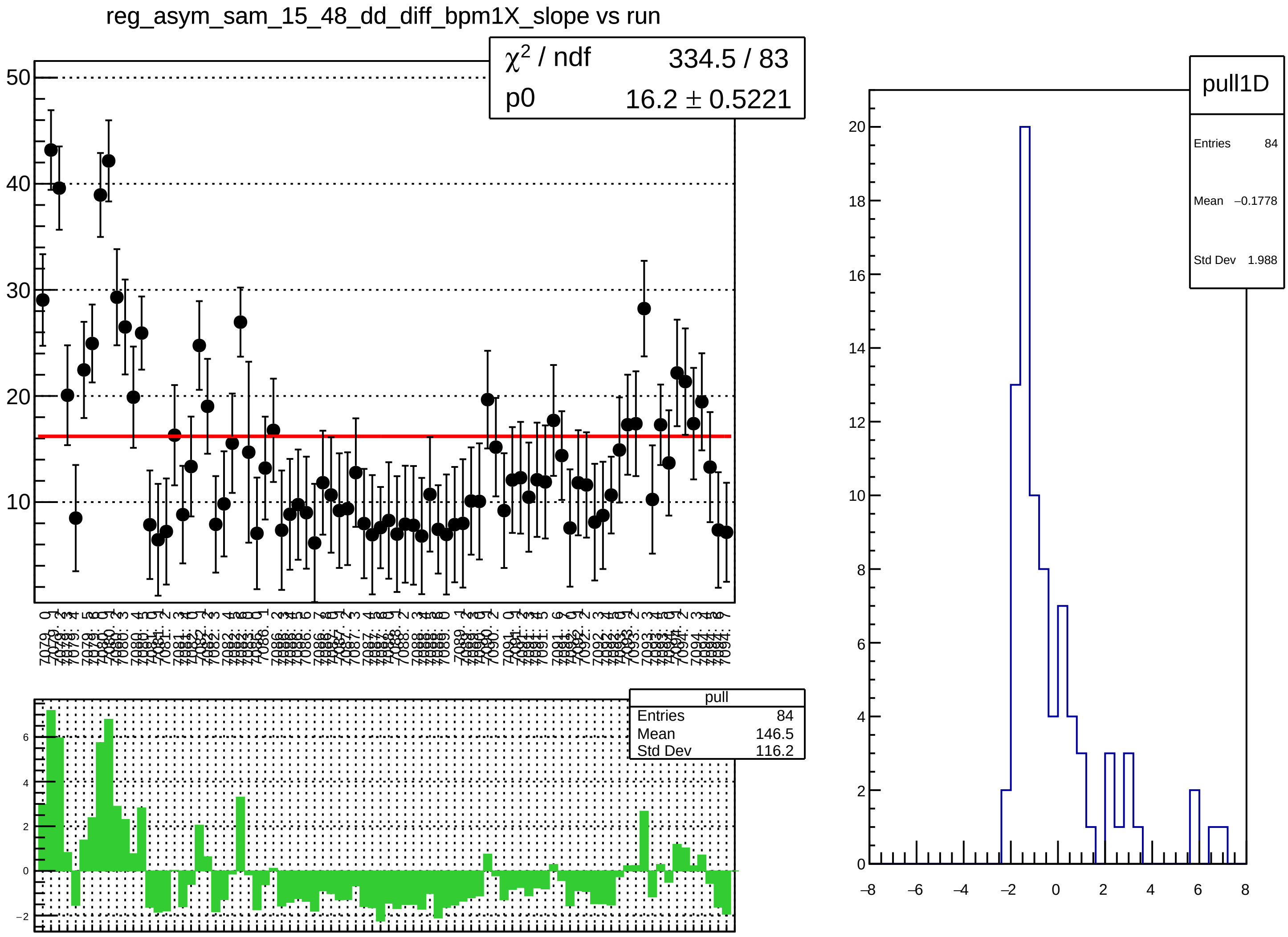



reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 82.62 / 83
p0 −57.47 ± 0.5779
−40
−45
−50
−55
−60
−65
−70
−75
pull
Entries 84
Mean 117.2
Std Dev 87.44
3
2
1
0
−1
pull1D
Entries 84
Mean −0.0899
Std Dev 0.9877
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

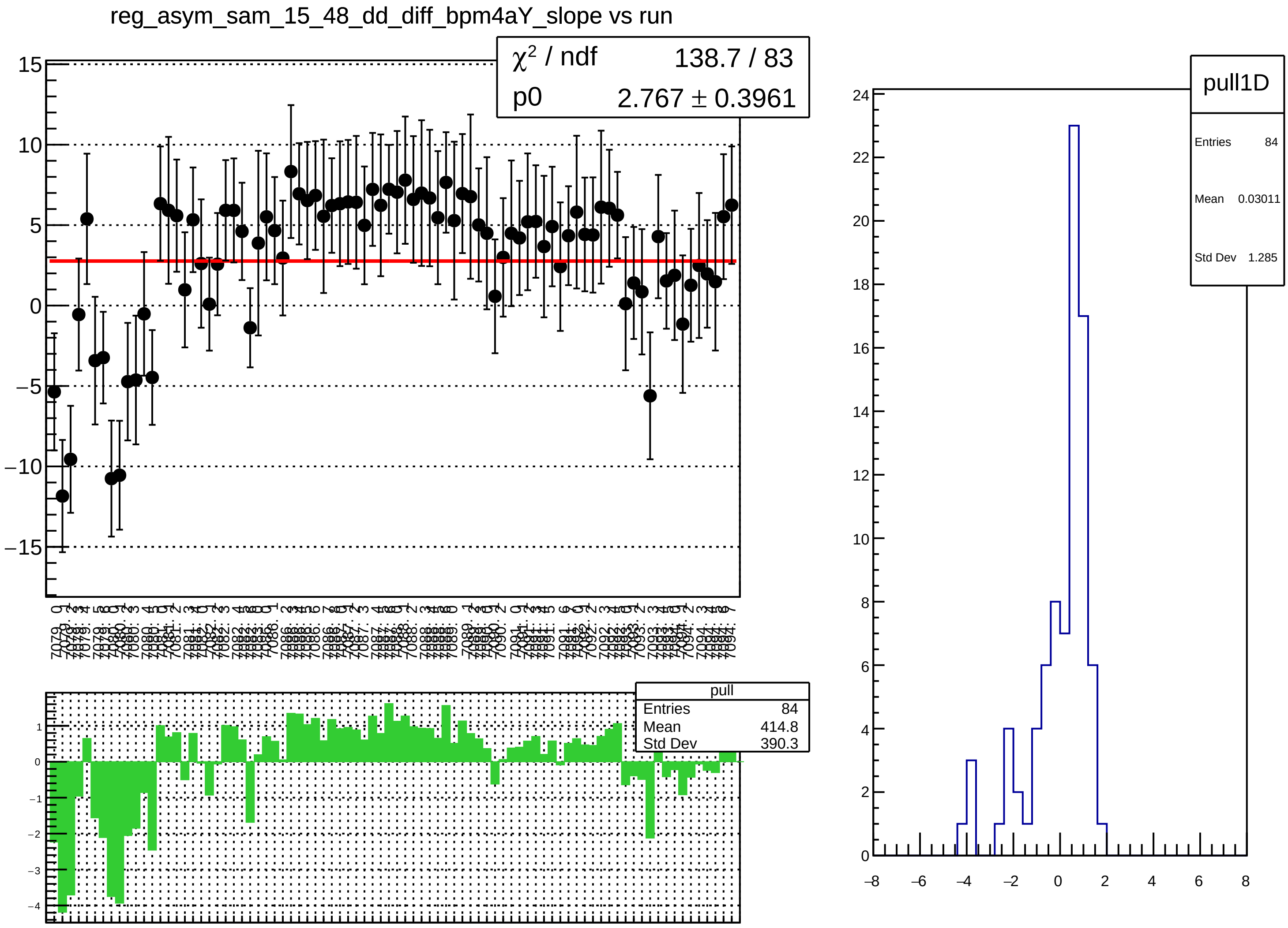


reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.53 / 83
p0 −22.12 ± 0.4769
pull
Entries 84
Mean 474.3
Std Dev 440.4
pull1D
Entries 84
Mean 0.02602
Std Dev 0.8485

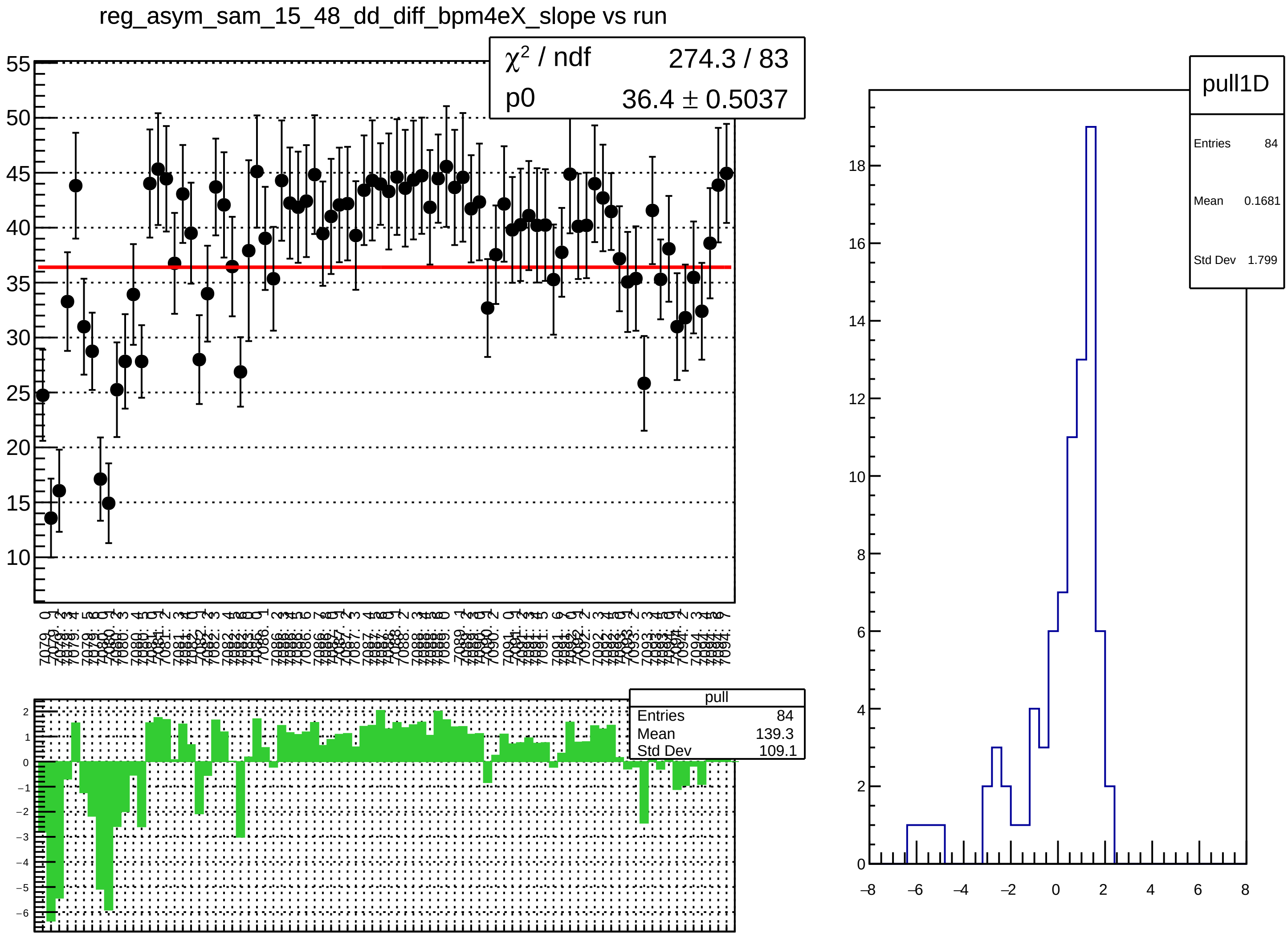

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.165 / 83
p0 0.4963 ± 0.0229
pull
Entries 84
Mean −542.6
Std Dev 536.4
pull1D
Entries 84
Mean −0.00141
Std Dev 0.2709



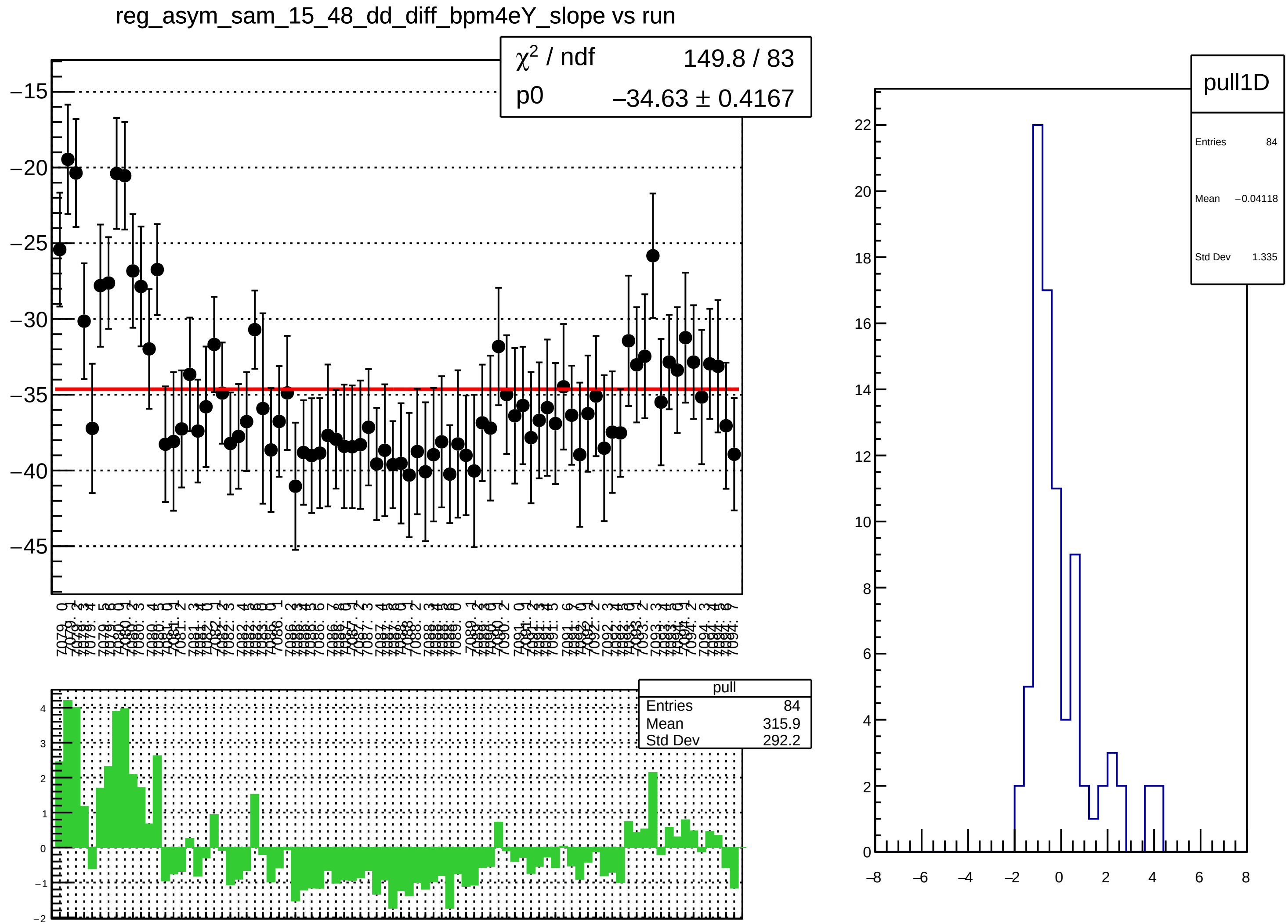
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 334.5 / 83
p0 16.2 ± 0.5221
pull
Entries 84
Mean 146.5
Std Dev 116.2
pull1D
Entries 84
Mean −0.1778
Std Dev 1.988

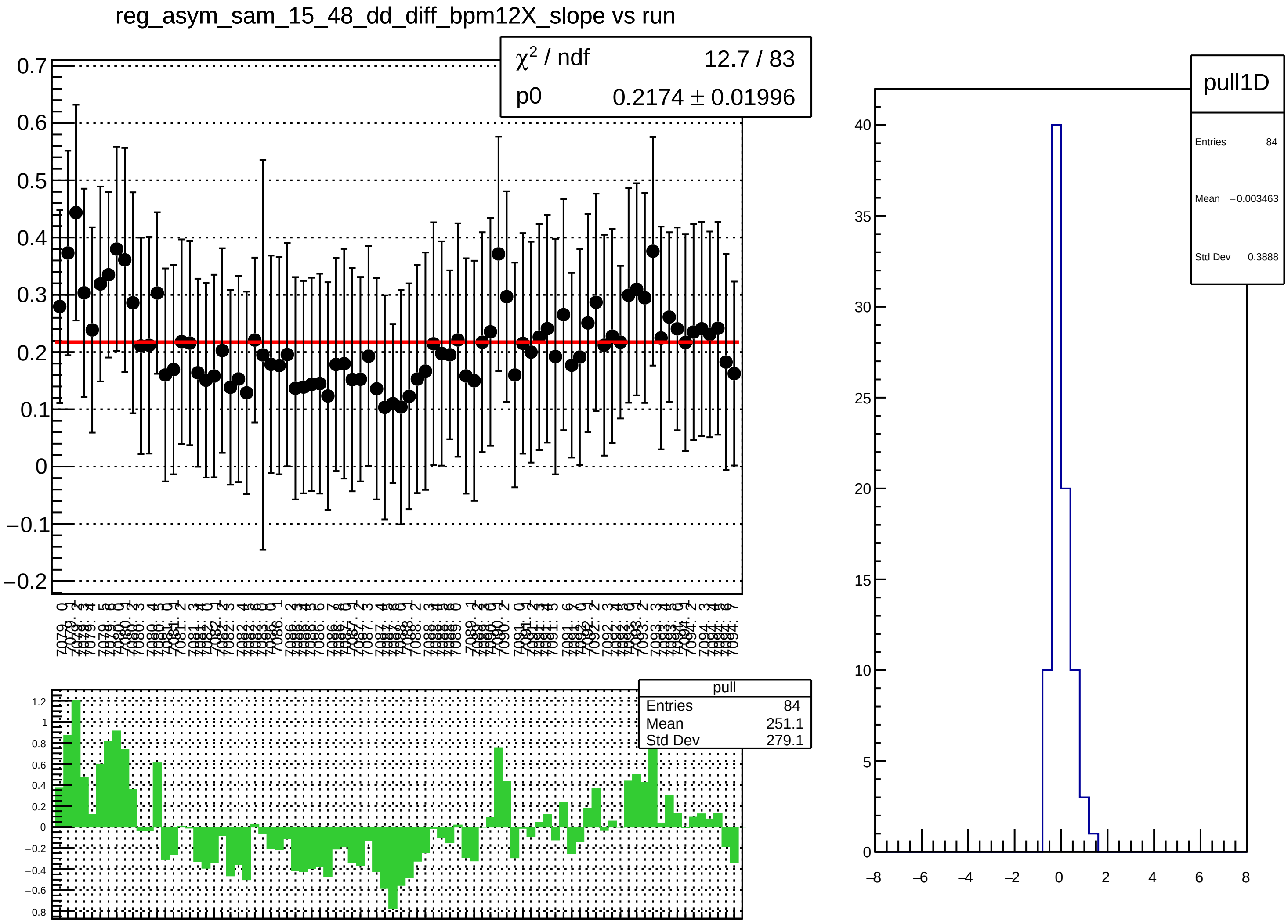


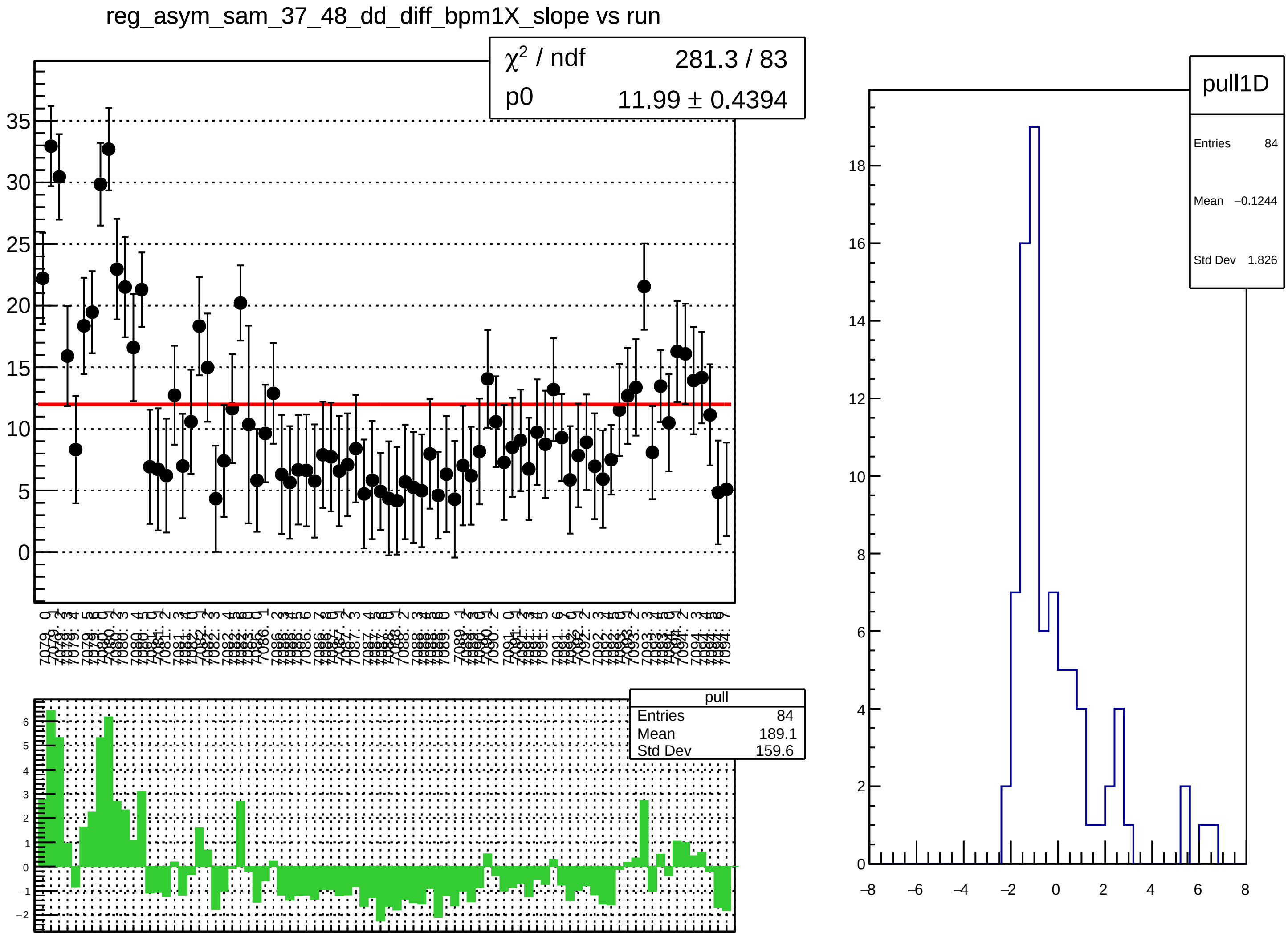
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 138.7 / 83
p0 2.767 ± 0.3961
pull
Entries 84
Mean 414.8
Std Dev 390.3
pull1D
Entries 84
Mean 0.03011
Std Dev 1.285



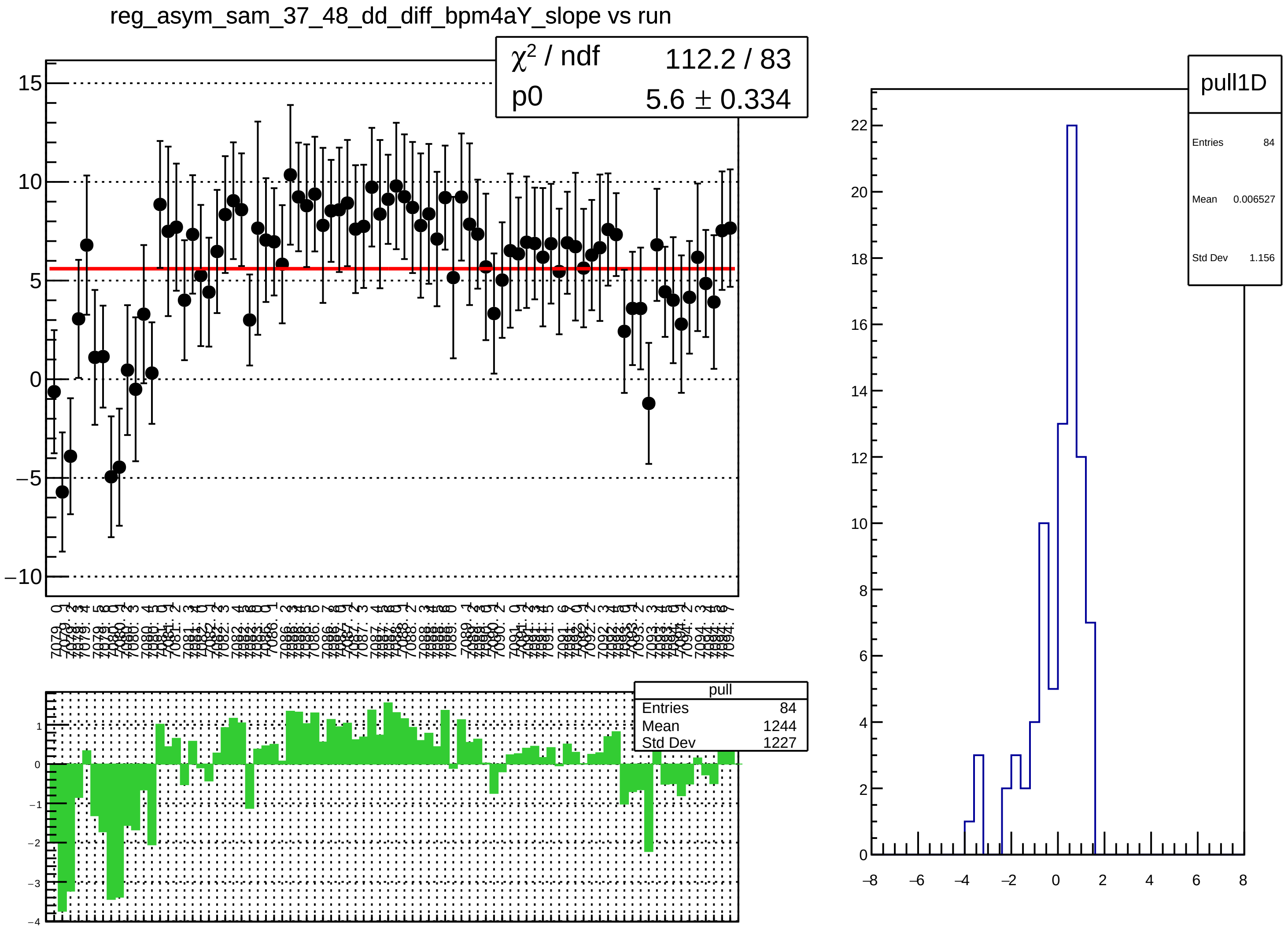
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 274.3 / 83
p0 36.4 ± 0.5037
pull
Entries 84
Mean 139.3
Std Dev 109.1
pull1D
Entries 84
Mean 0.1681
Std Dev 1.799


reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 149.8 / 83
p0 −34.63 ± 0.4167
pull
Entries 84
Mean 315.9
Std Dev 292.2
pull1D
Entries 84
Mean −0.04118
Std Dev 1.335

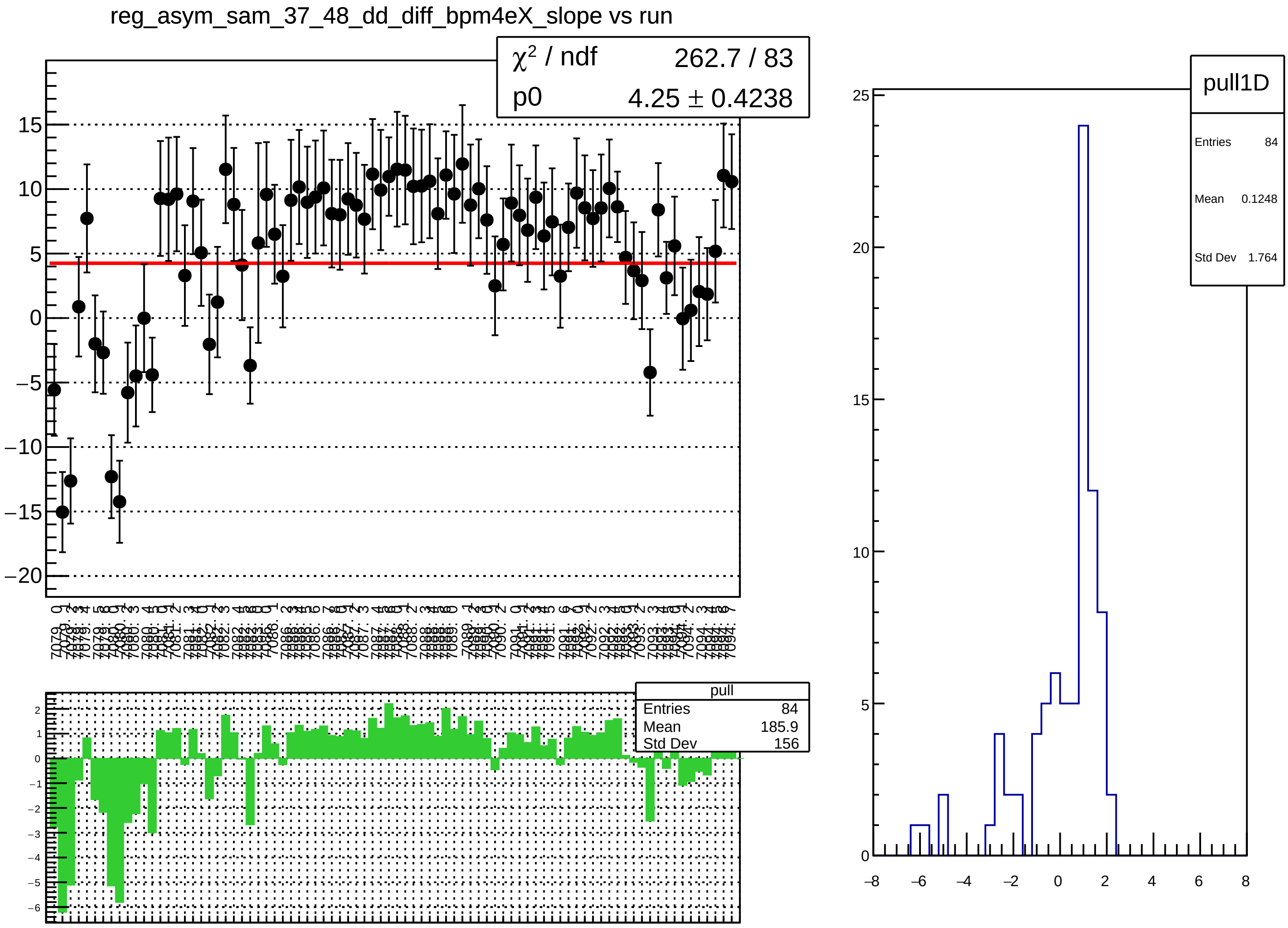

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.7 / 83
p0 0.2174 ± 0.01996
pull
Entries 84
Mean 251.1
Std Dev 279.1
pull1D
Entries 84
Mean −0.003463
Std Dev 0.3888



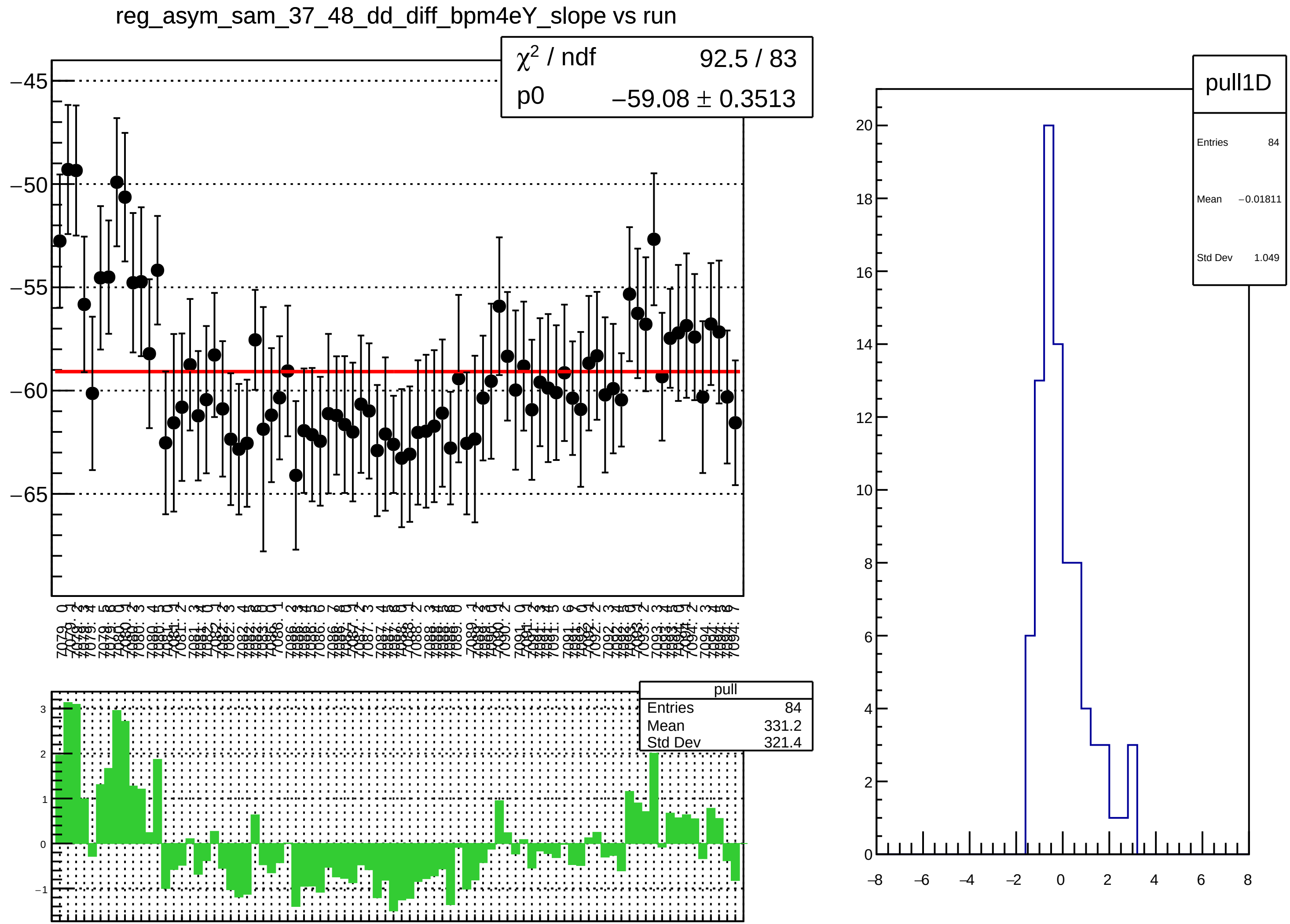
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 281.3 / 83
p0 11.99 ± 0.4394
pull
Entries 84
Mean 189.1
Std Dev 159.6
pull1D
Entries 84
Mean −0.1244
Std Dev 1.826



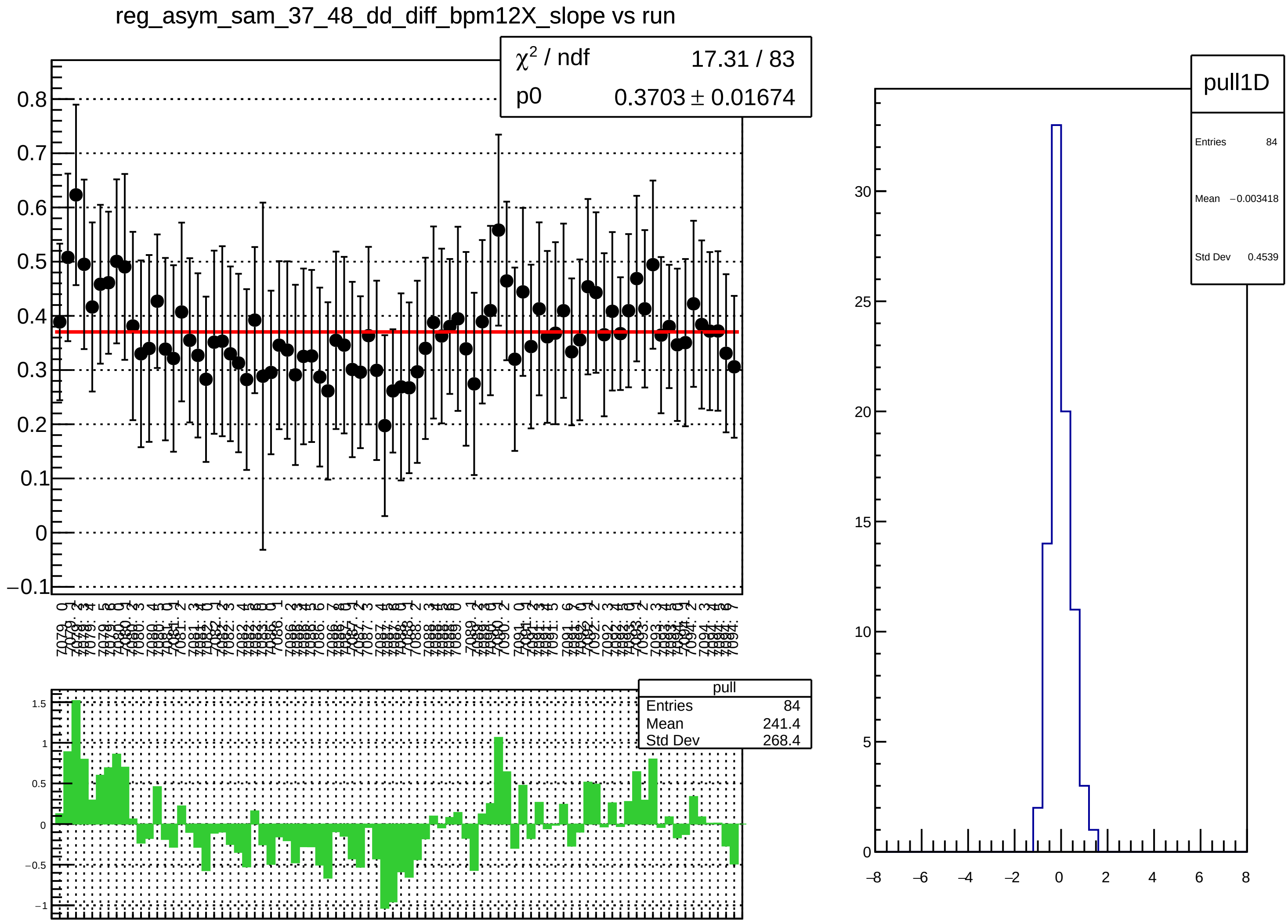
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 112.2 / 83
p0 5.6 ± 0.334
pull
Entries 84
Mean 1244
Std Dev 1227
pull1D
Entries 84
Mean 0.006527
Std Dev 1.156

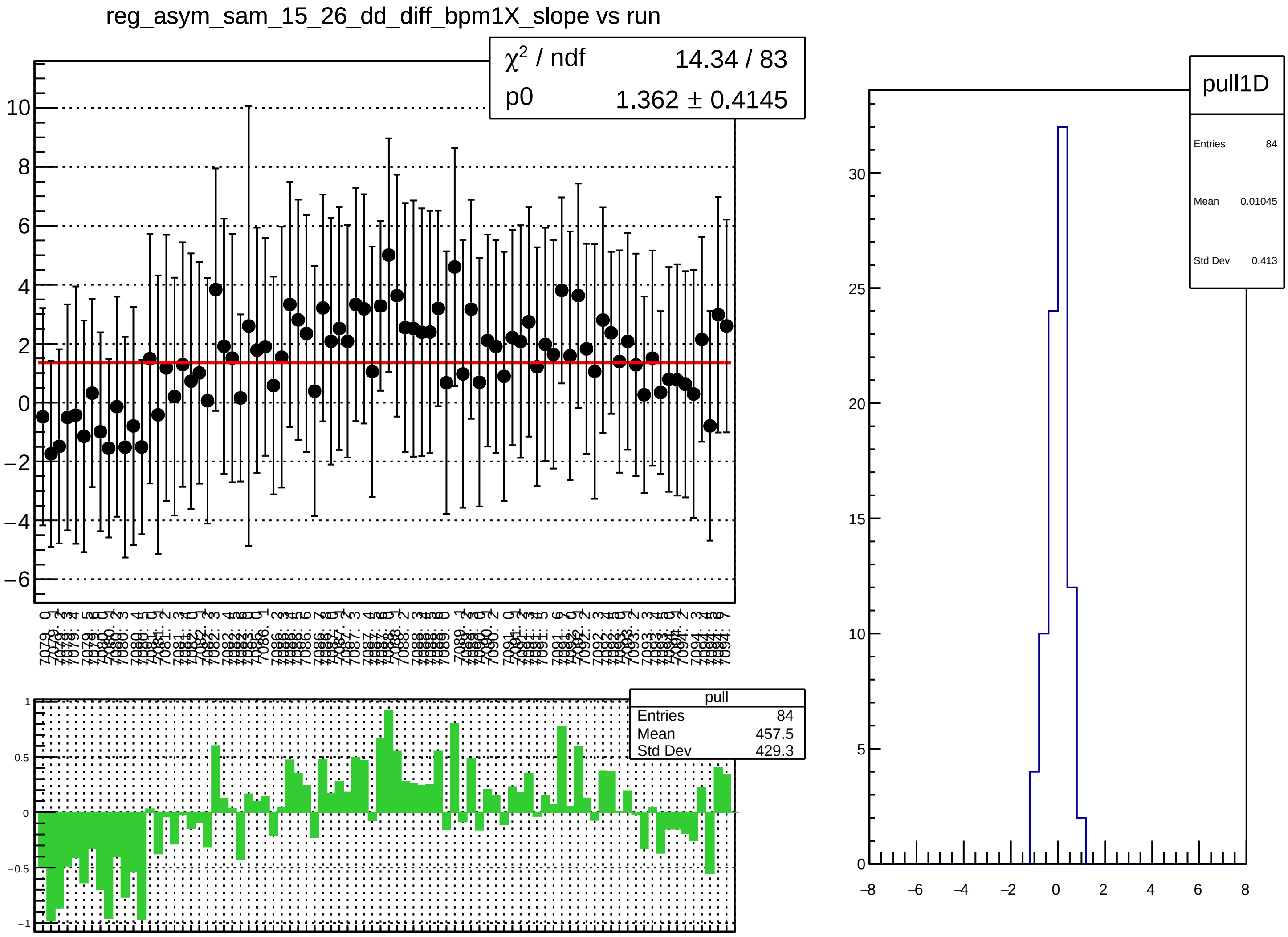


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 262.7 / 83
p0 4.25 ± 0.4238
pull
Entries 84
Mean 185.9
Std Dev 156
pull1D
Entries 84
Mean 0.1248
Std Dev 1.764

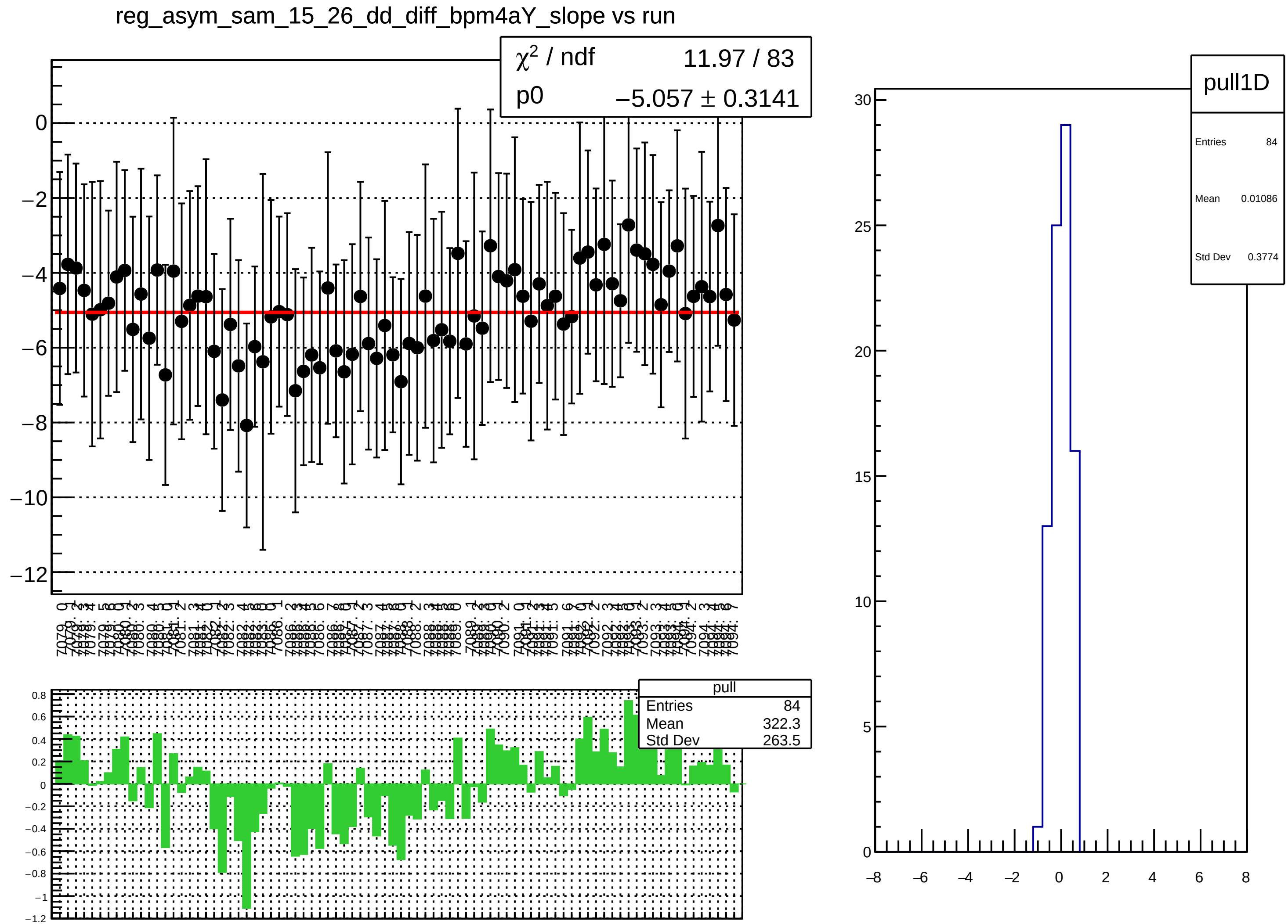


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 92.5 / 83
p0 −59.08 ± 0.3513
pull
Entries 84
Mean 331.2
Std Dev 321.4
pull1D
Entries 84
Mean −0.01811
Std Dev 1.049

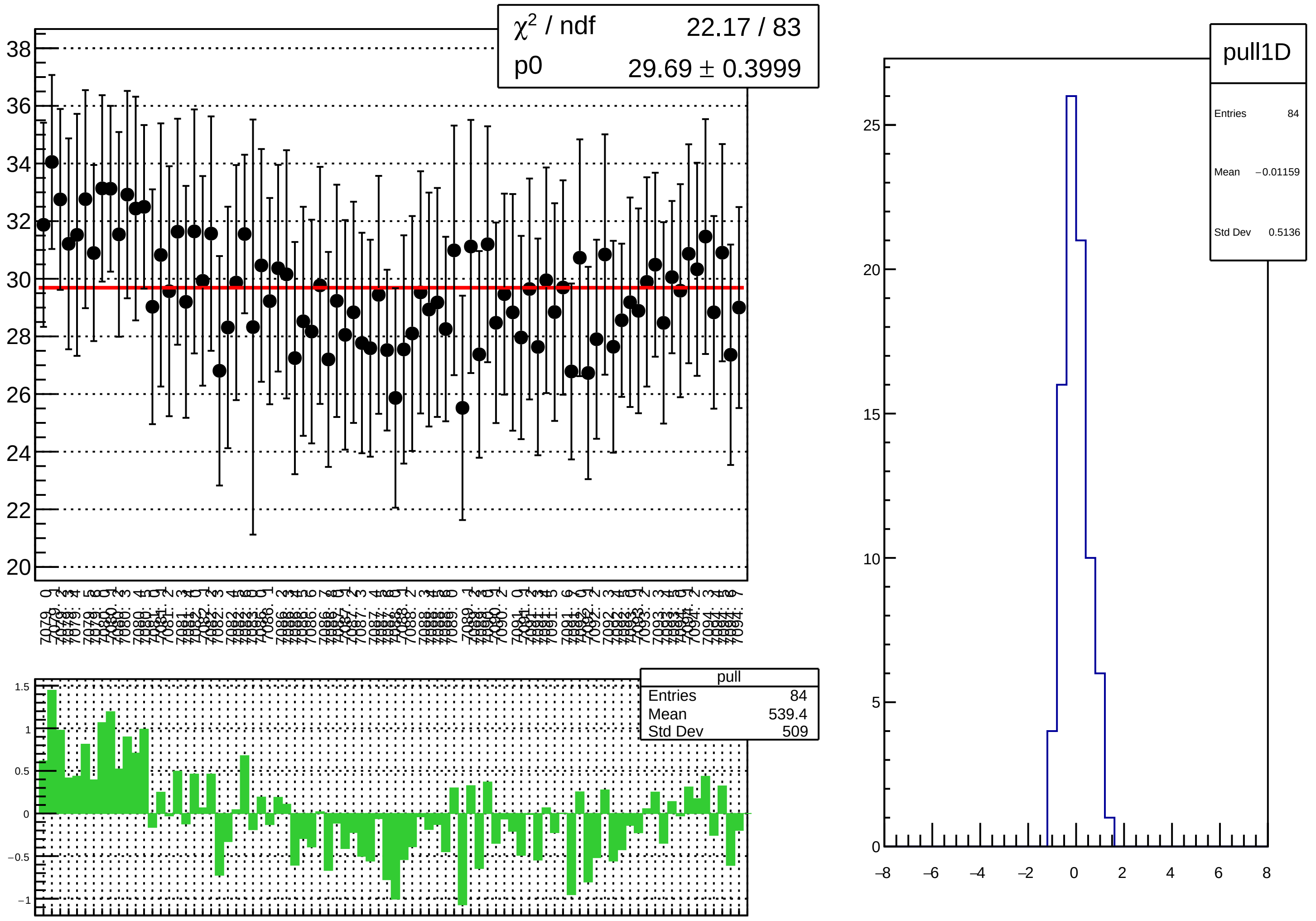

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.31 / 83
p0 0.3703 ± 0.01674
pull
Entries 84
Mean 241.4
Std Dev 268.4
pull1D
Entries 84
Mean −0.003418
Std Dev 0.4539

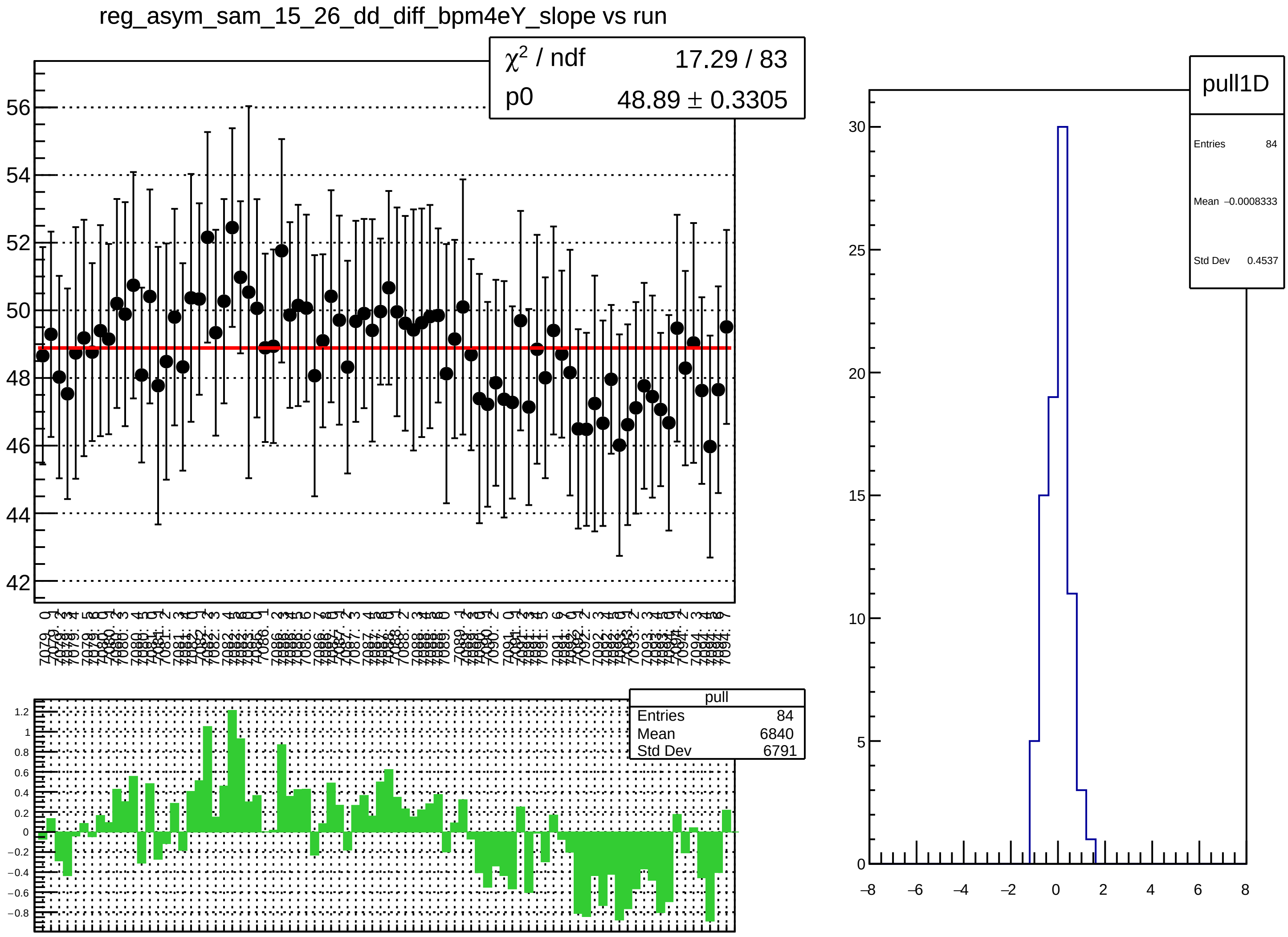


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.34 / 83
p0 1.362 ± 0.4145
pull
Entries 84
Mean 457.5
Std Dev 429.3
pull1D
Entries 84
Mean 0.01045
Std Dev 0.413


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.97 / 83
p0 −5.057 ± 0.3141
pull
Entries 84
Mean 322.3
Std Dev 263.5
pull1D
Entries 84
Mean 0.01086
Std Dev 0.3774

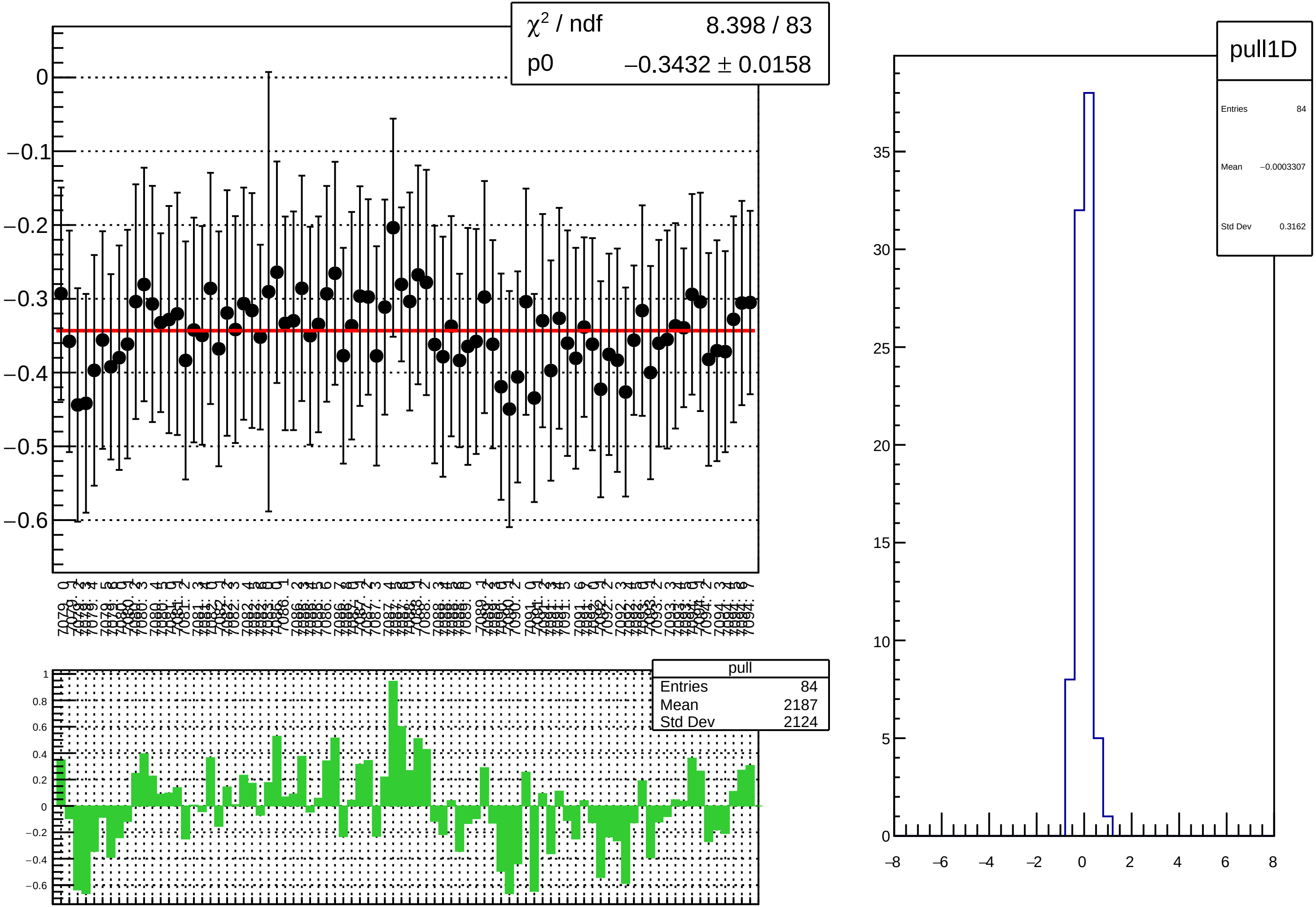
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run

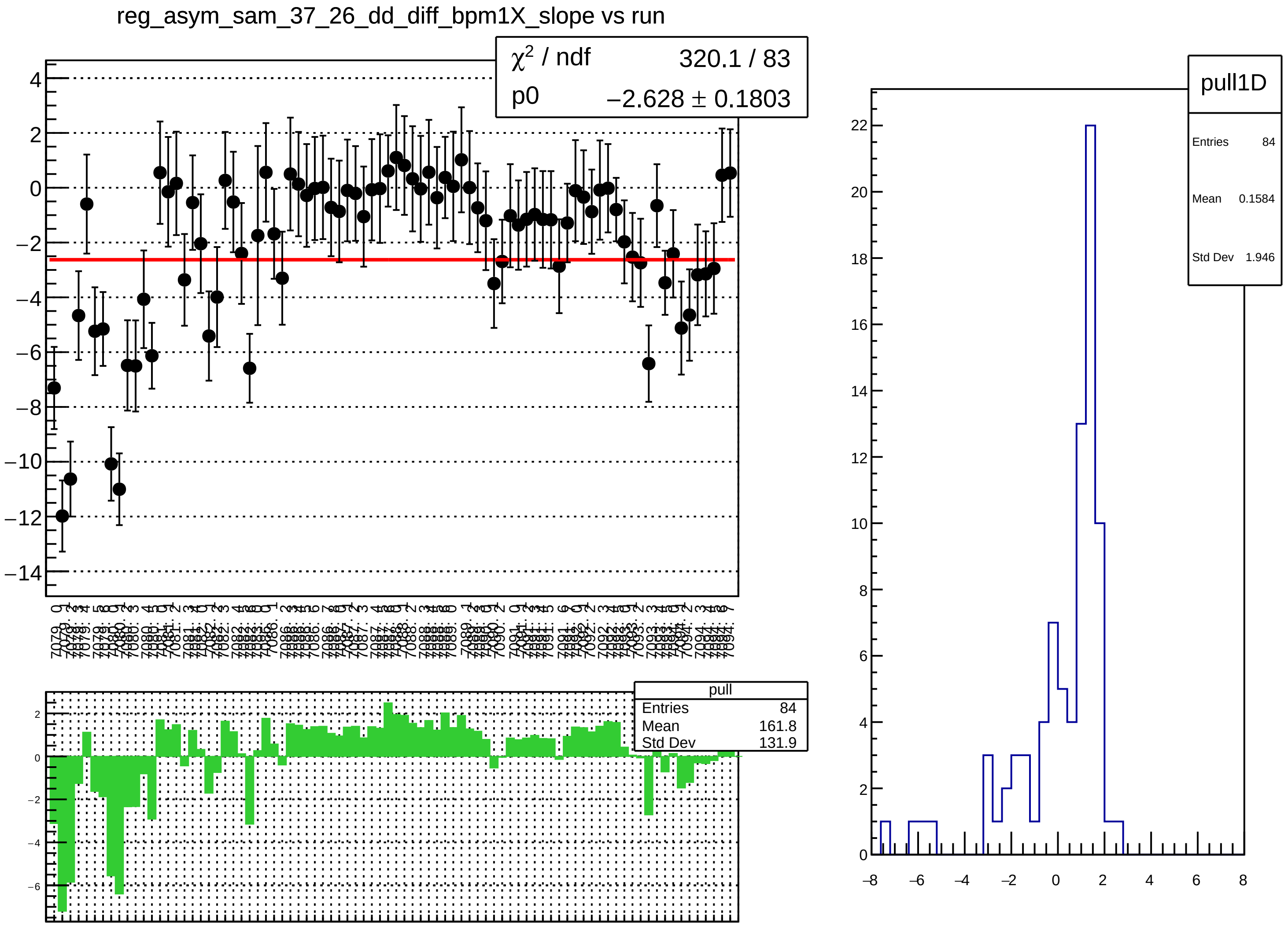




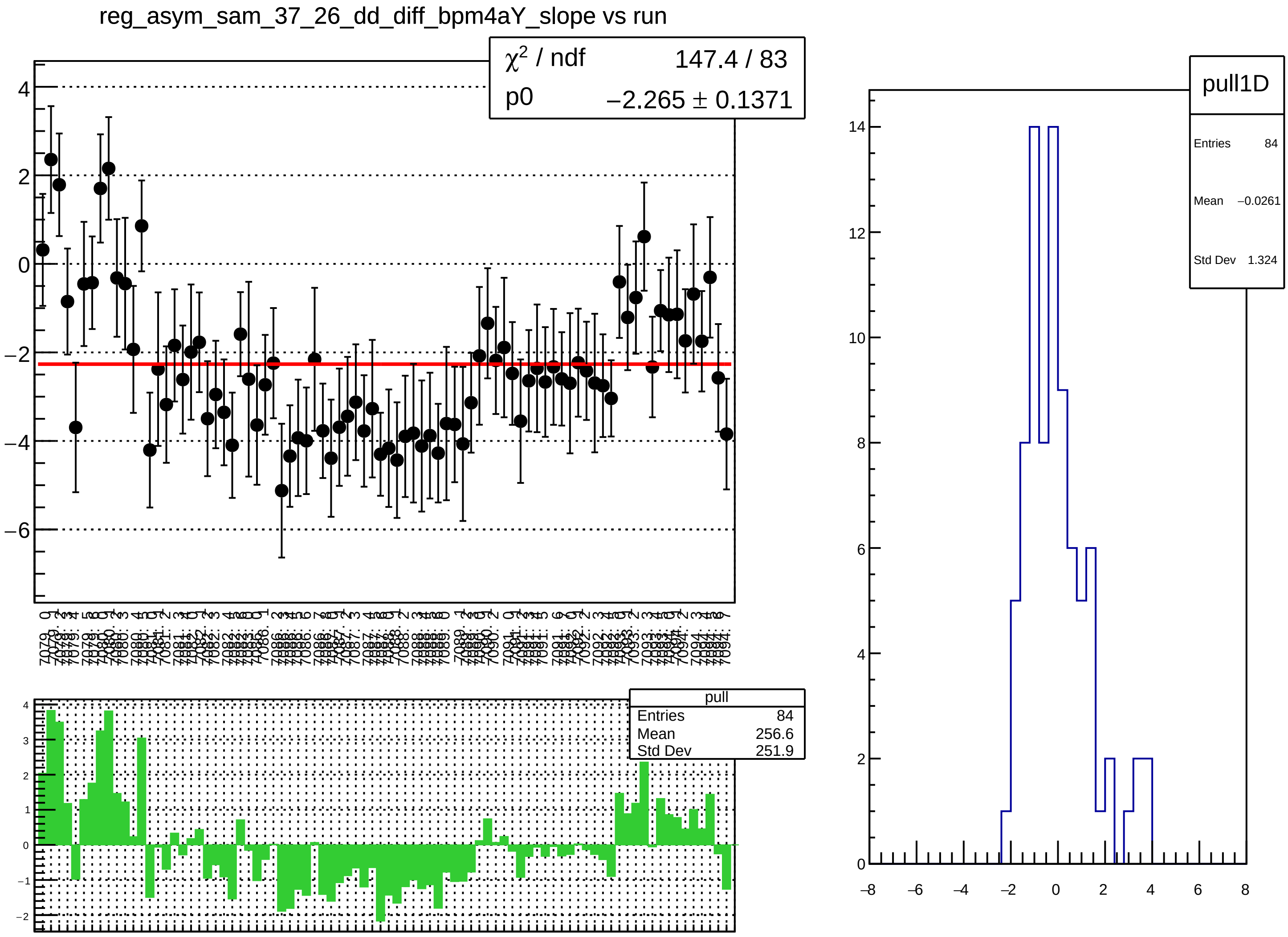
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.29 / 83
p0 48.89 ± 0.3305
pull
Entries 84
Mean 6840
Std Dev 6791
pull1D
Entries 84
Mean −0.0008333
Std Dev 0.4537

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run

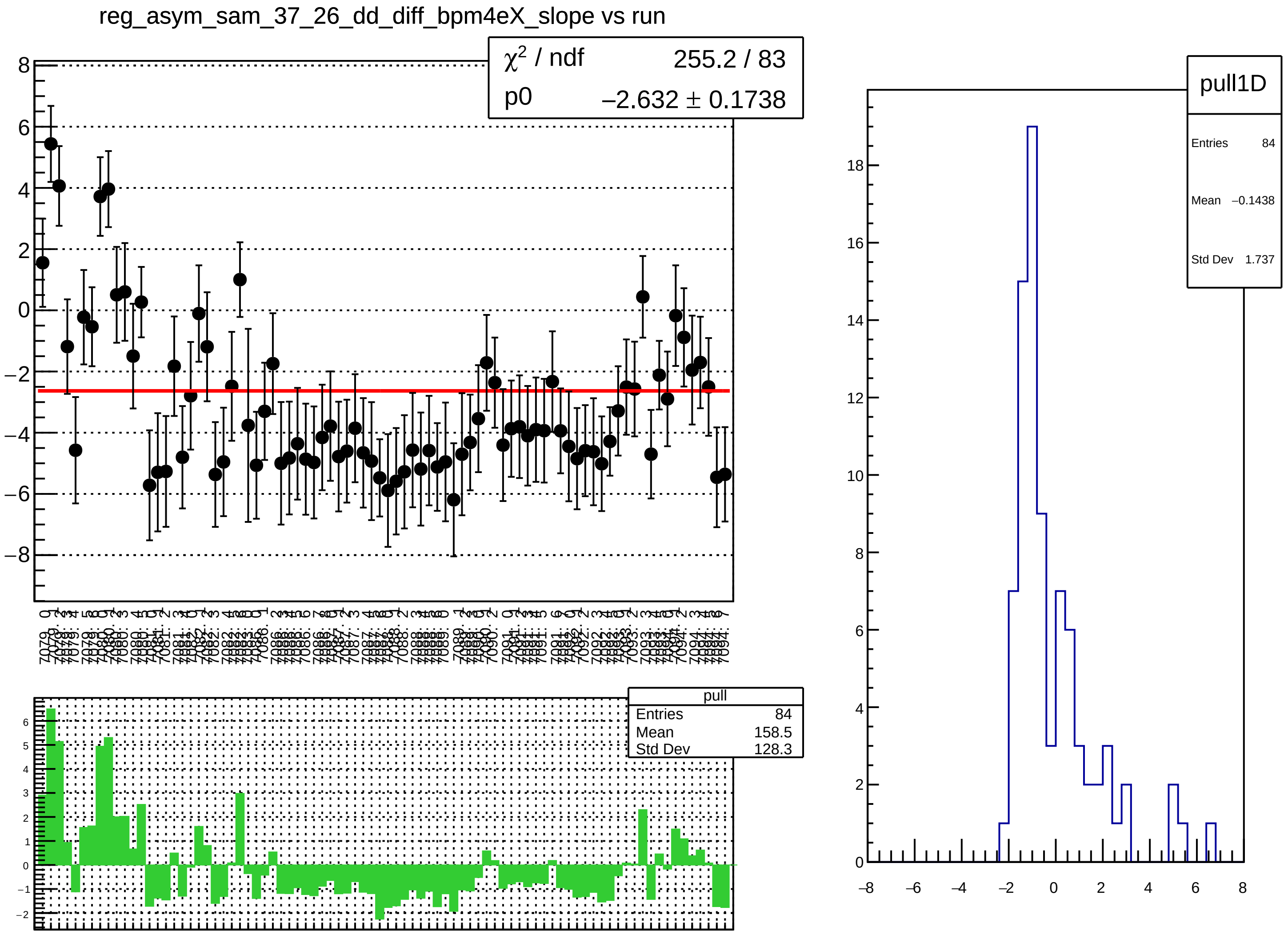




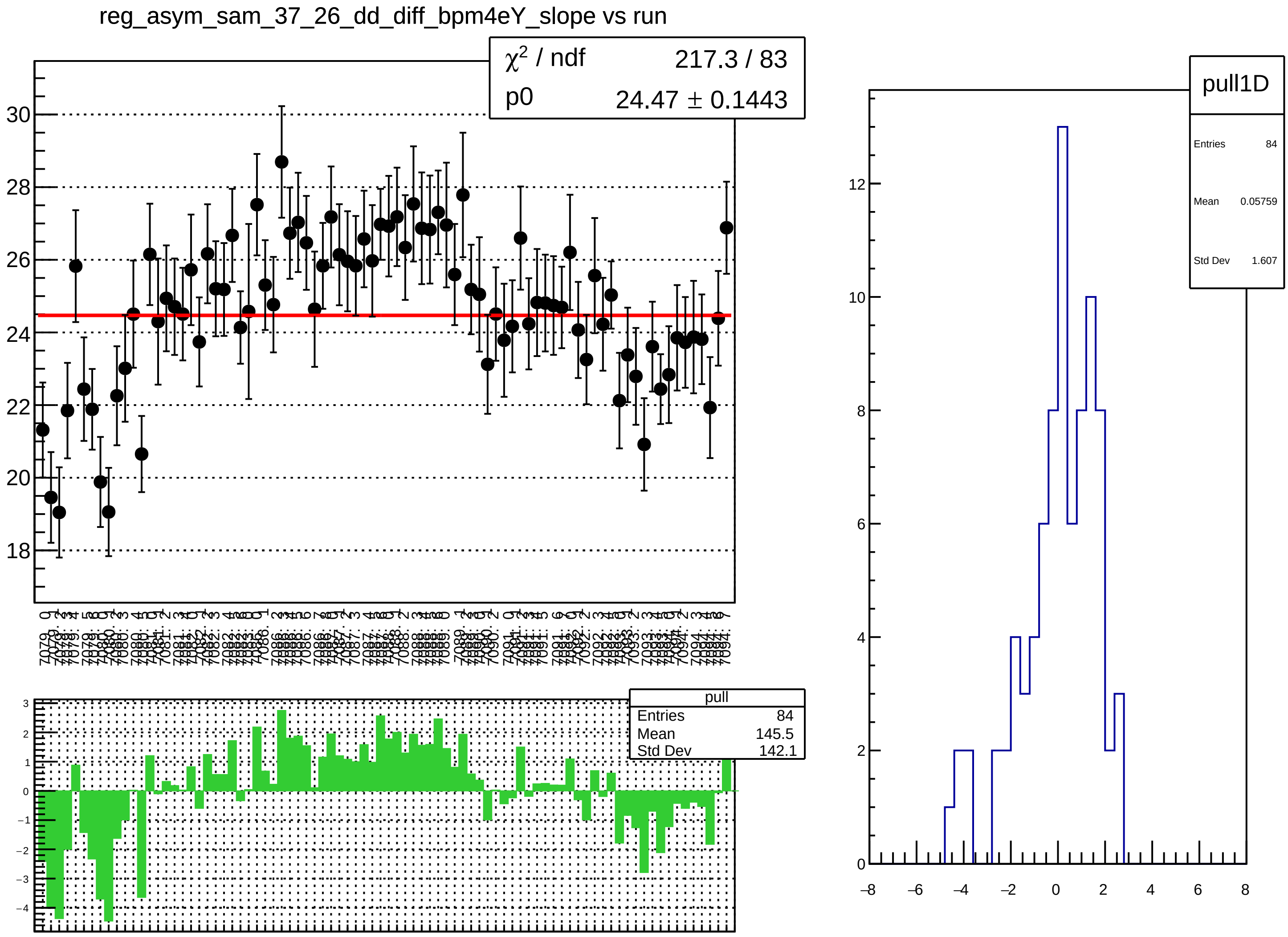
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 320.1 / 83
p0 −2.628 ± 0.1803
pull
Entries 84
Mean 161.8
Std Dev 131.9
pull1D
Entries 84
Mean 0.1584
Std Dev 1.946



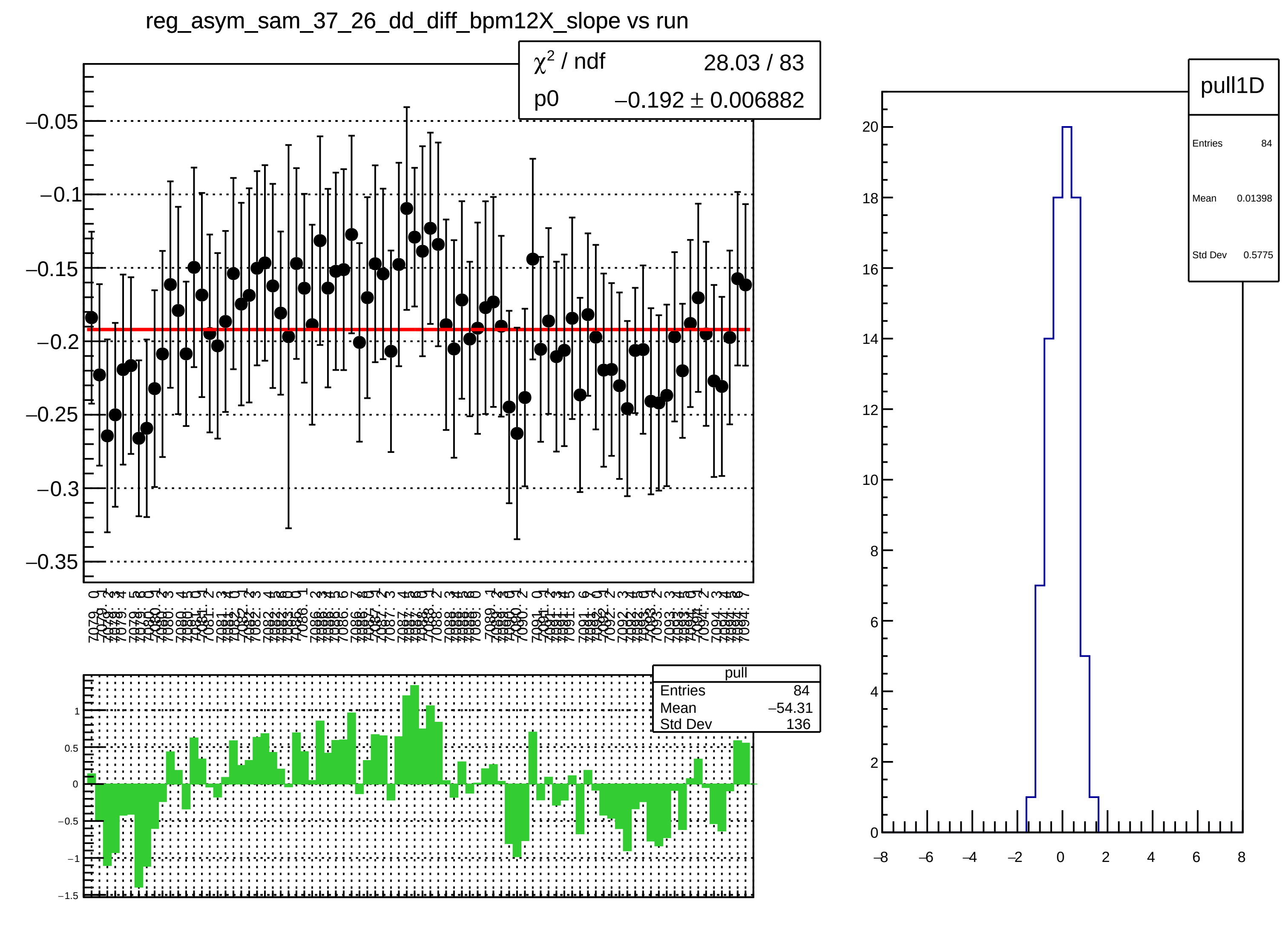
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 147.4 / 83
p0 −2.265 ± 0.1371
pull
Entries 84
Mean 256.6
Std Dev 251.9
pull1D
Entries 84
Mean −0.0261
Std Dev 1.324

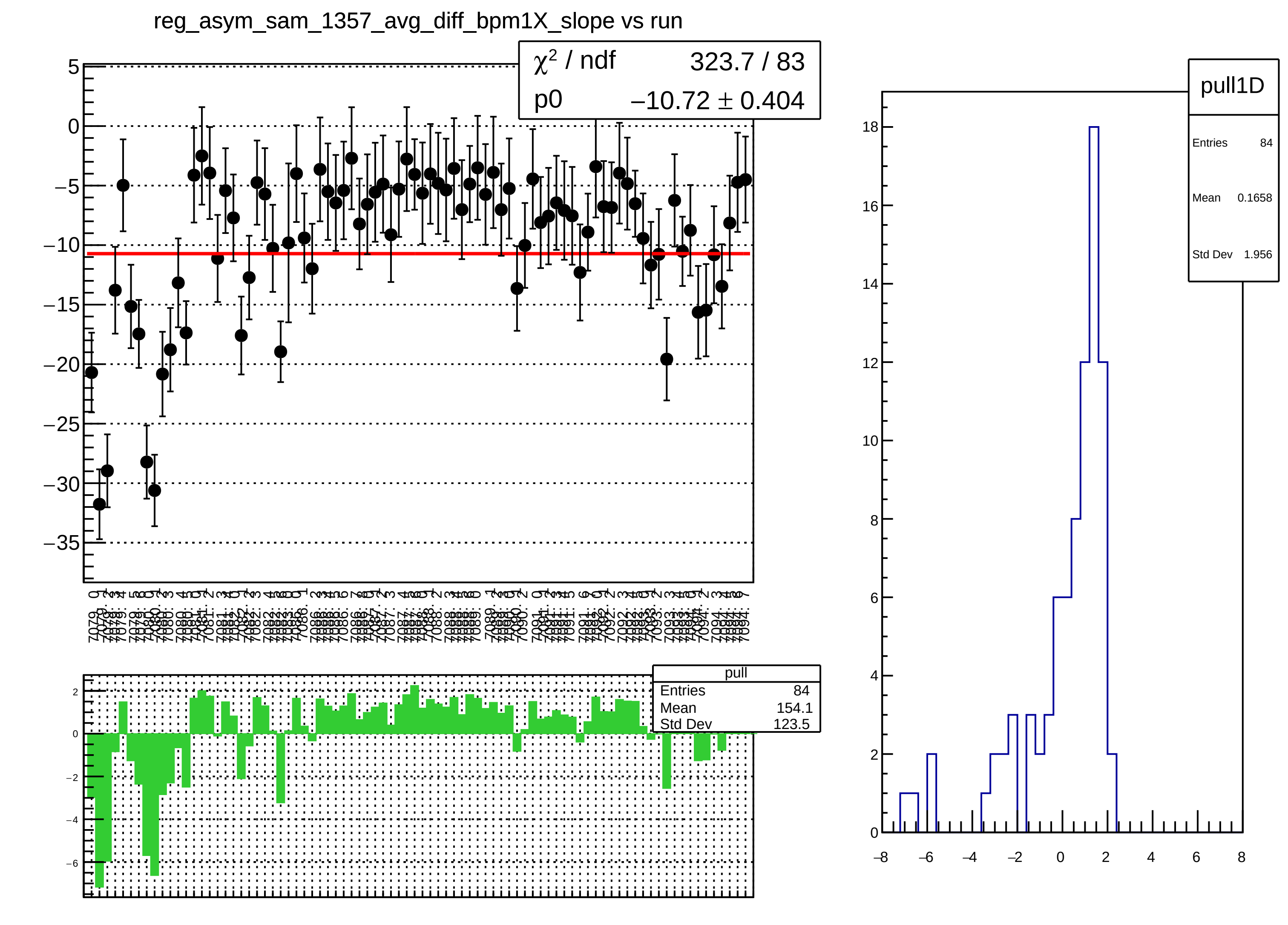


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 255.2 / 83
p0 −2.632 ± 0.1738
pull
Entries 84
Mean 158.5
Std Dev 128.3
pull1D
Entries 84
Mean −0.1438
Std Dev 1.737



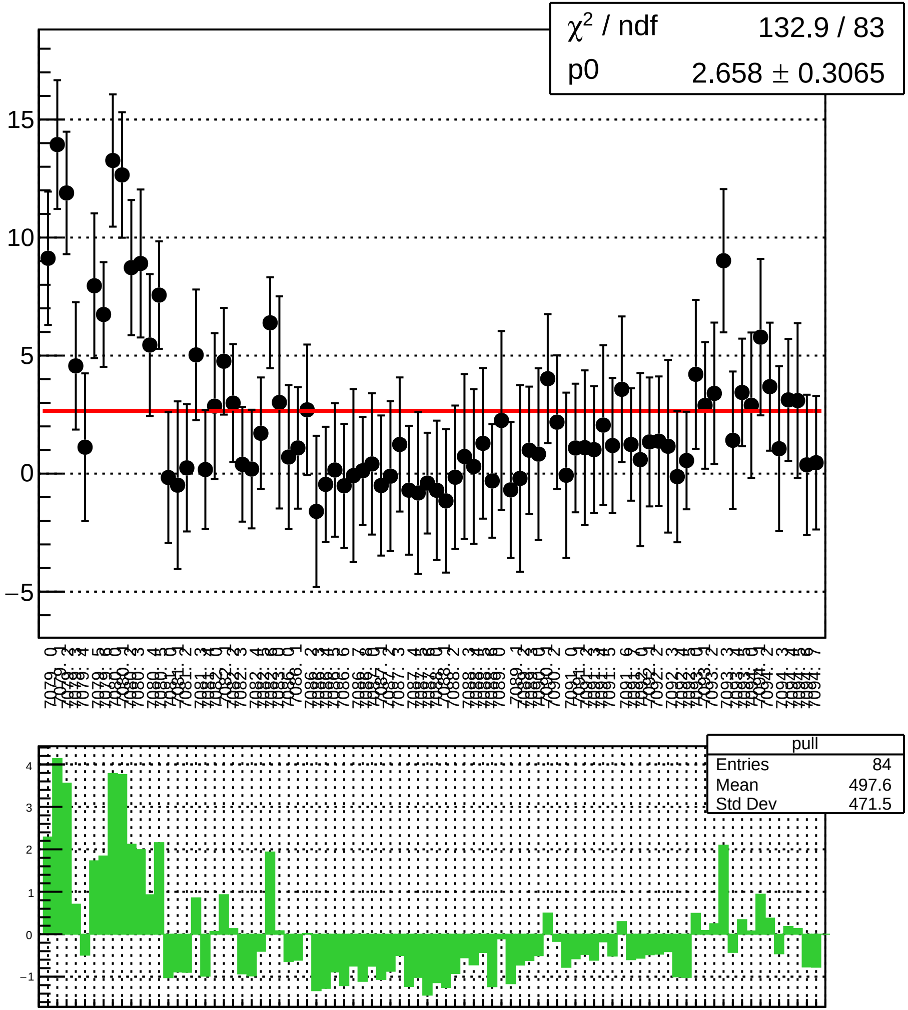
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 217.3 / 83
p0 24.47 ± 0.1443
pull
Entries 84
Mean 145.5
Std Dev 142.1
pull1D
Entries 84
Mean 0.05759
Std Dev 1.607

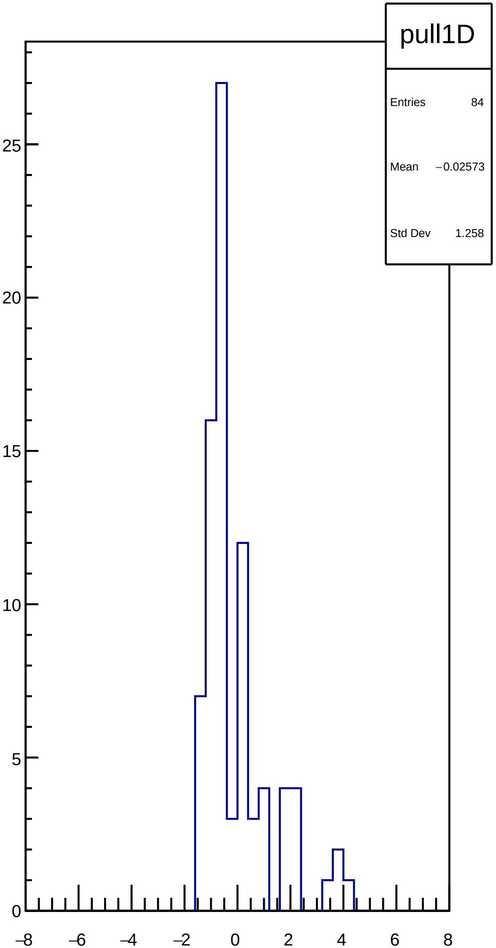

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 28.03 / 83
p0 −0.192 ± 0.006882
pull
Entries 84
Mean −54.31
Std Dev 136
pull1D
Entries 84
Mean 0.01398
Std Dev 0.5775

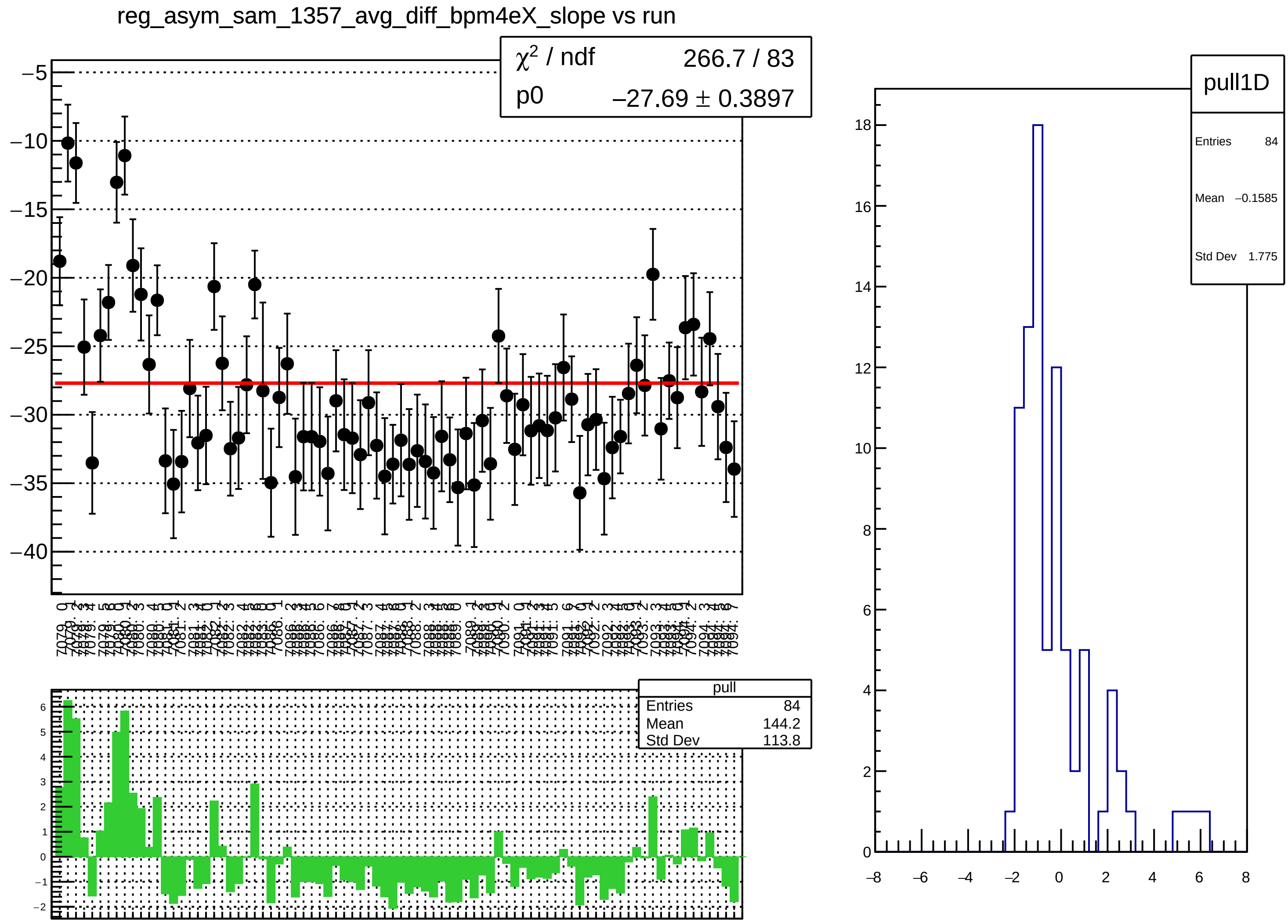


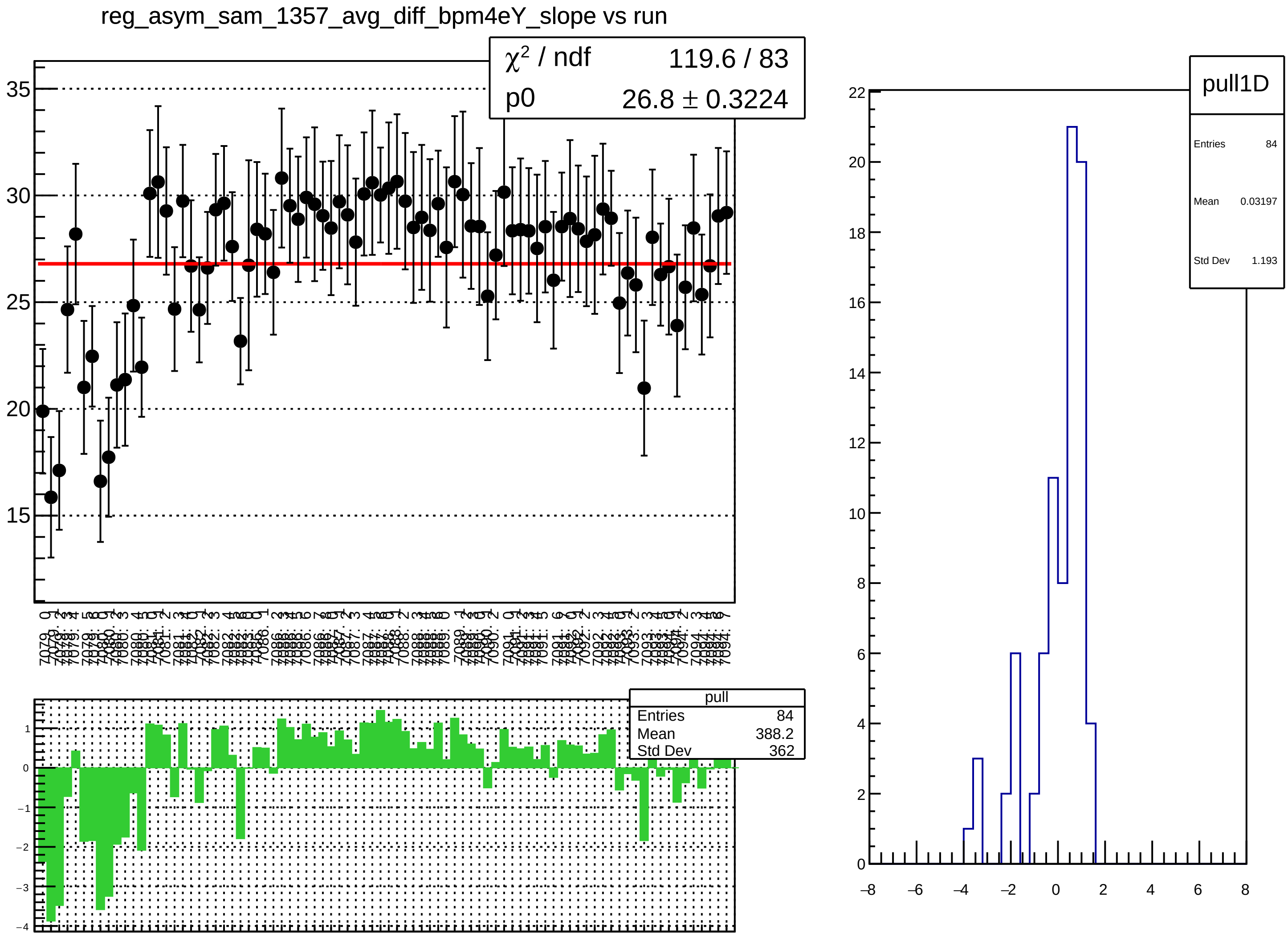
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 323.7 / 83
p0 −10.72 ± 0.404
pull
Entries 84
Mean 154.1
Std Dev 123.5
pull1D
Entries 84
Mean 0.1658
Std Dev 1.956

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run



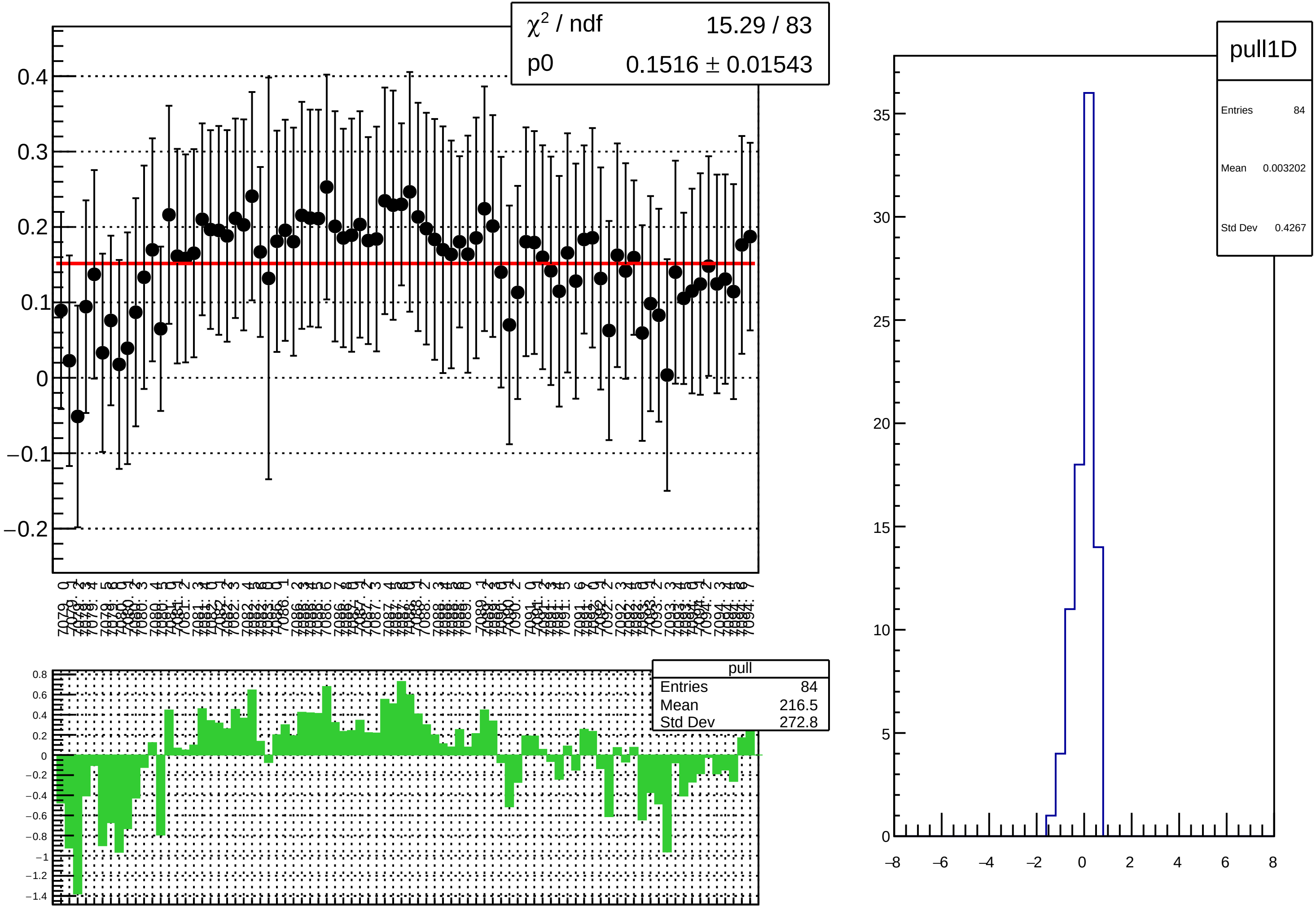


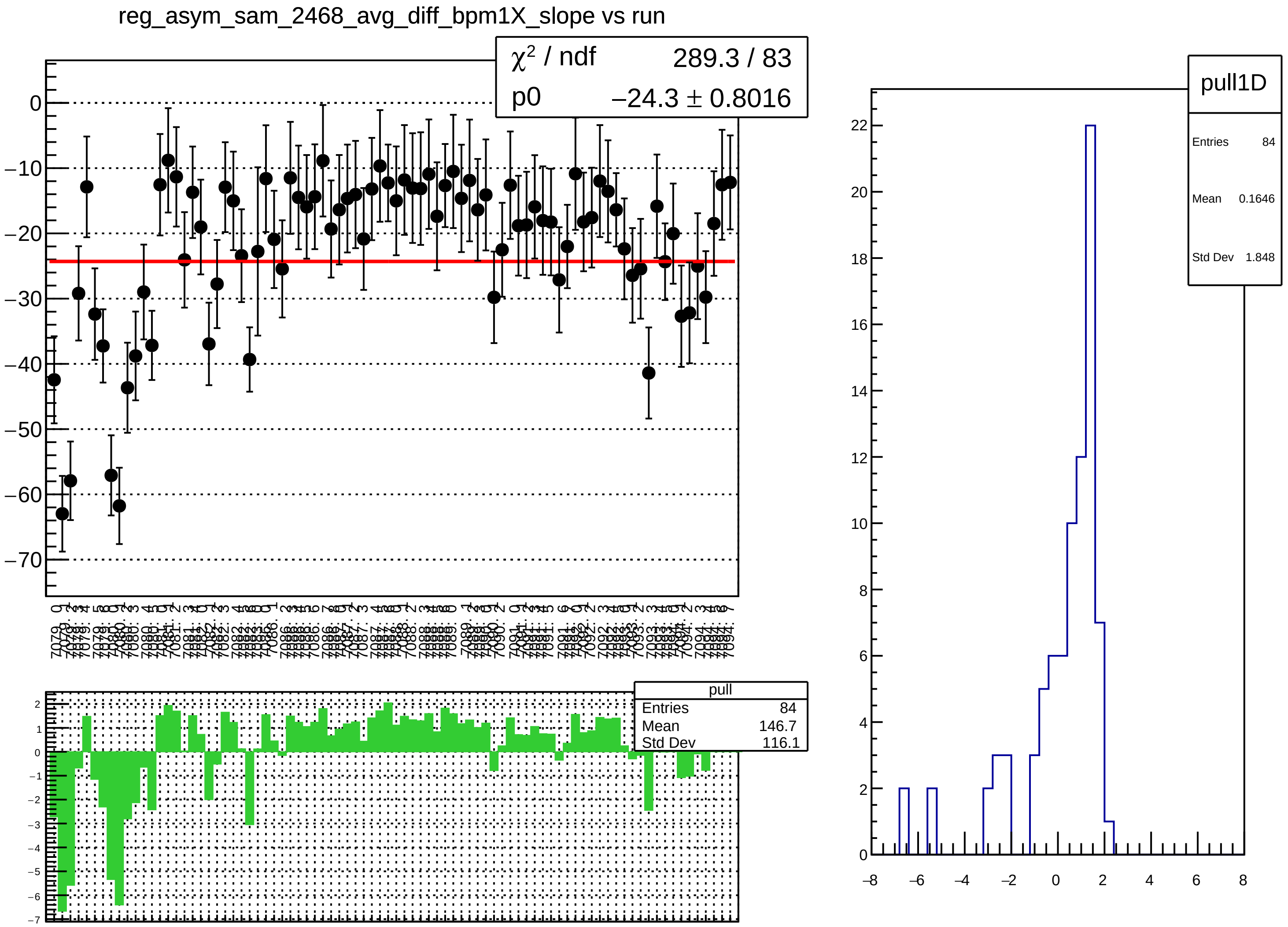

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 266.7 / 83
p0 −27.69 ± 0.3897
pull
Entries 84
Mean 144.2
Std Dev 113.8
pull1D
Entries 84
Mean −0.1585
Std Dev 1.775



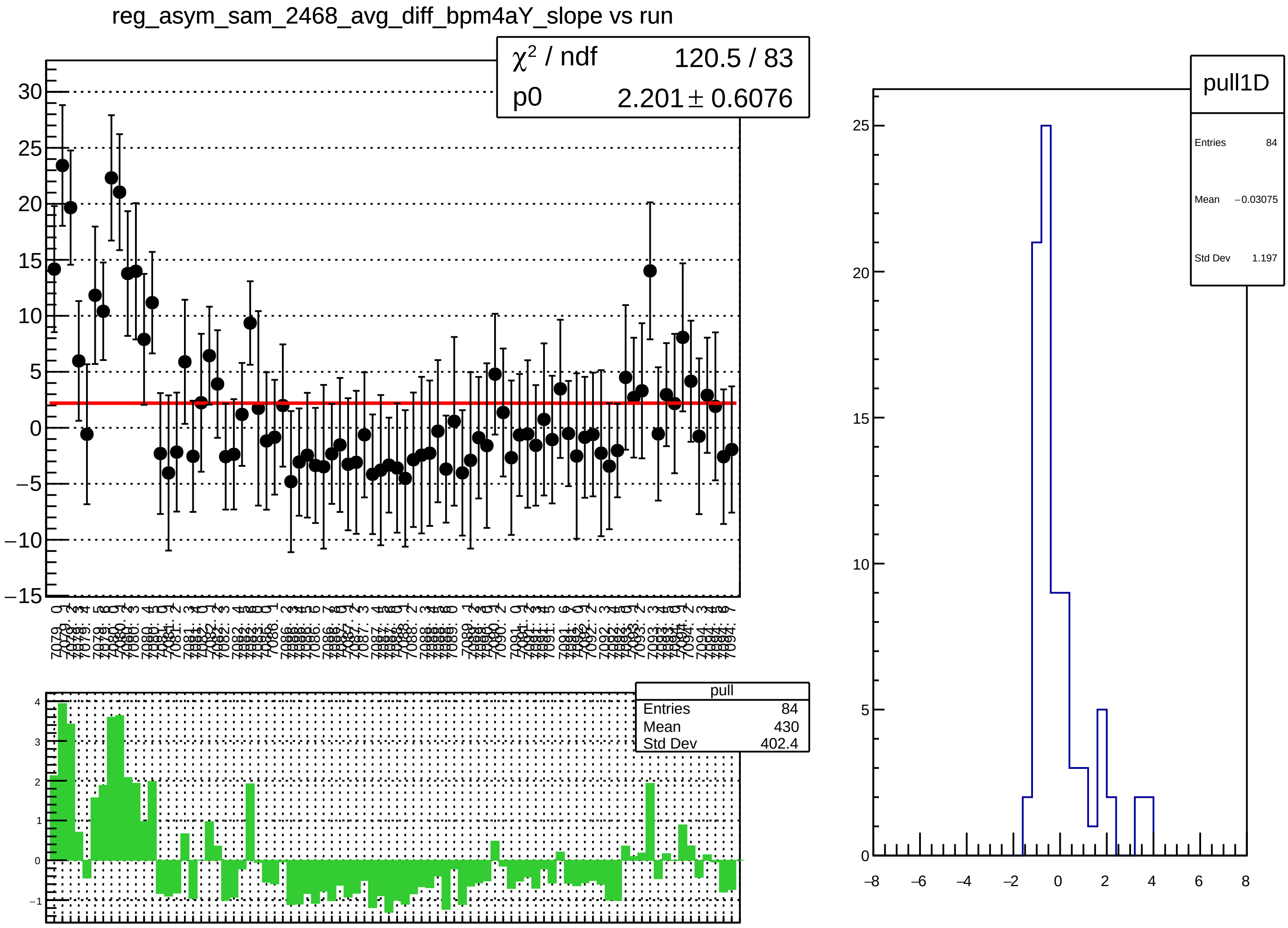
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 119.6 / 83
p0 26.8 ± 0.3224
pull
Entries 84
Mean 388.2
Std Dev 362
pull1D
Entries 84
Mean 0.03197
Std Dev 1.193

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run

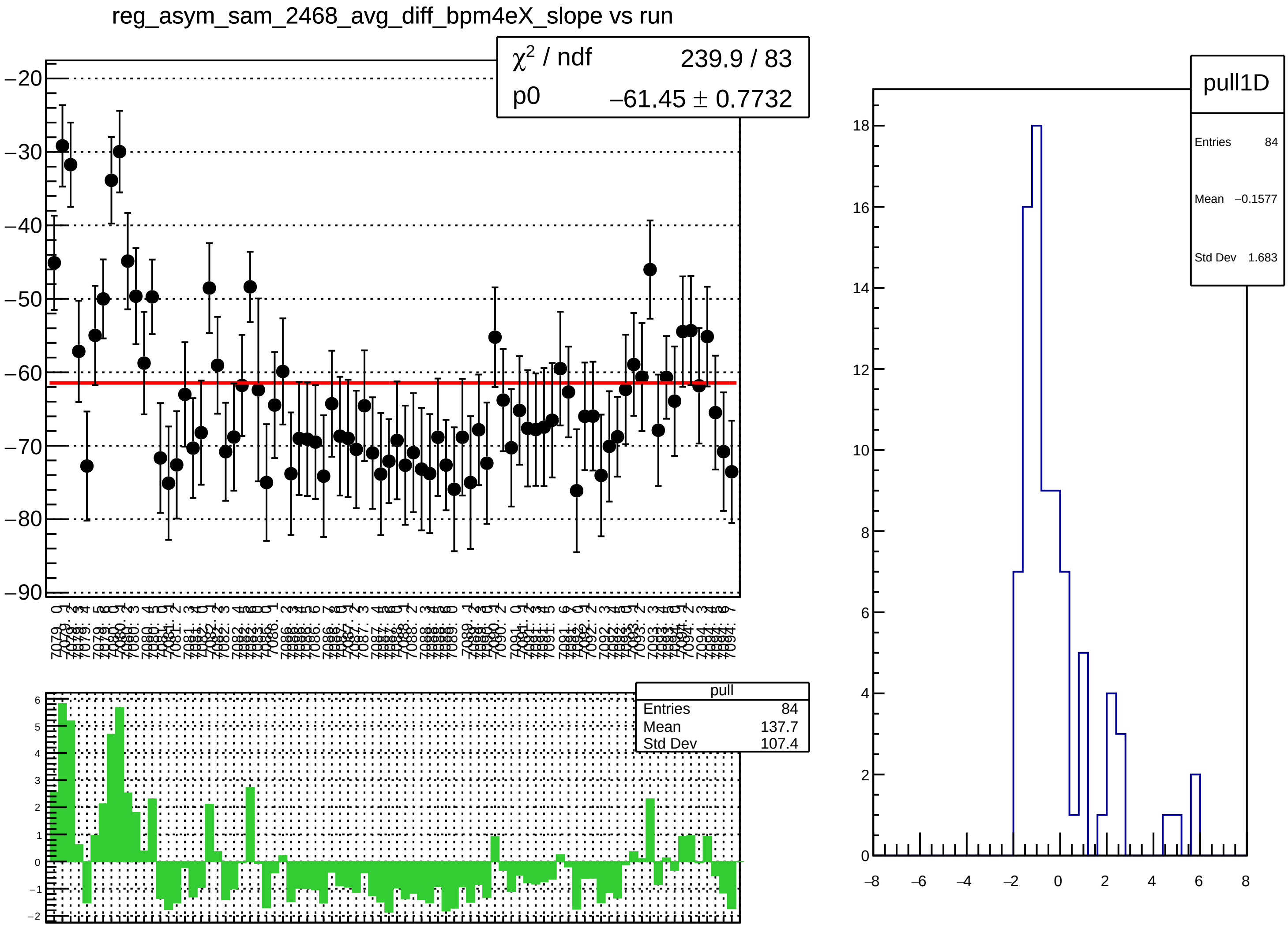




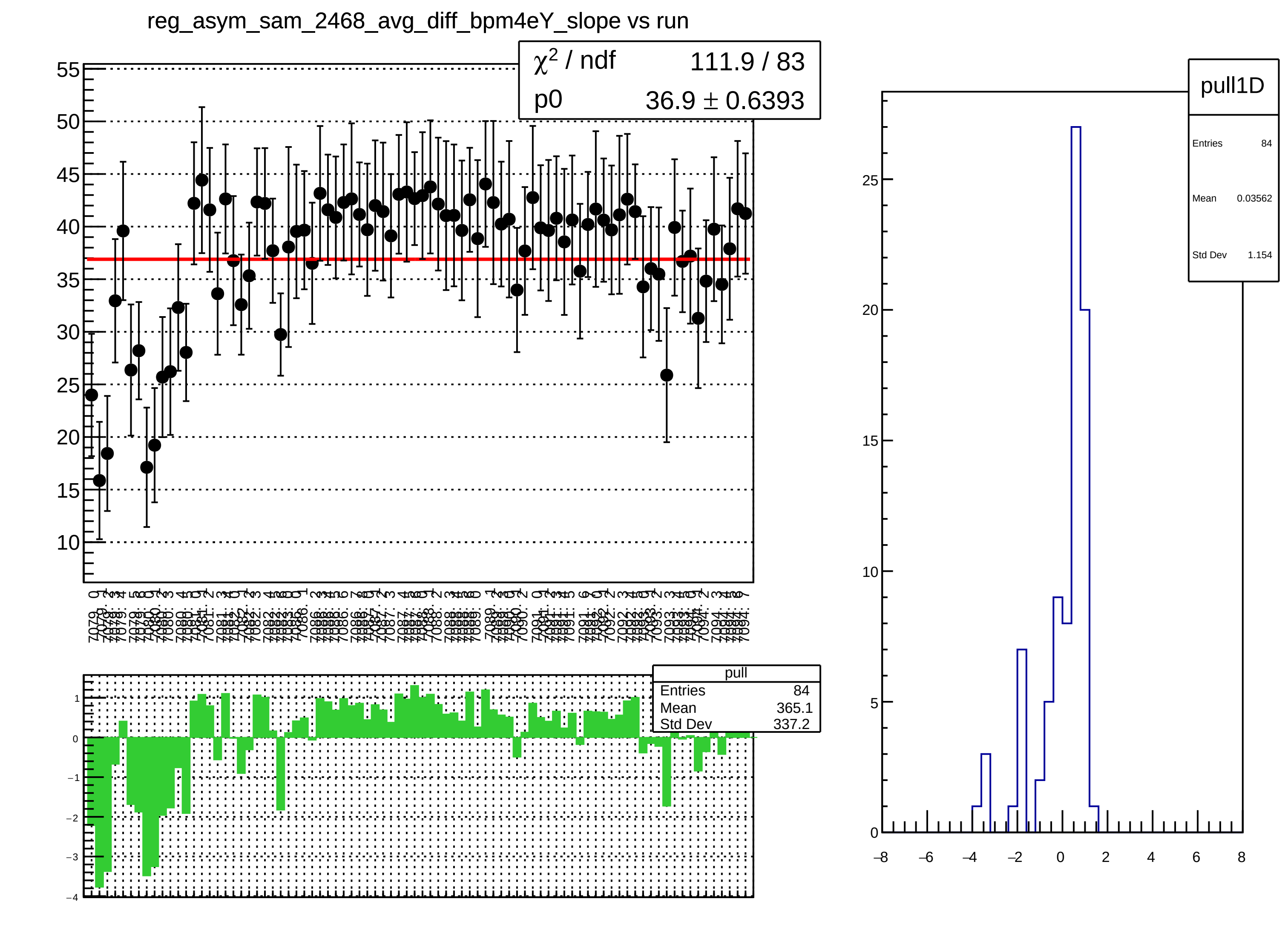
reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ2 / ndf 289.3 / 83
p0 −24.3 ± 0.8016
pull
Entries 84
Mean 146.7
Std Dev 116.1
pull1D
Entries 84
Mean 0.1646
Std Dev 1.848

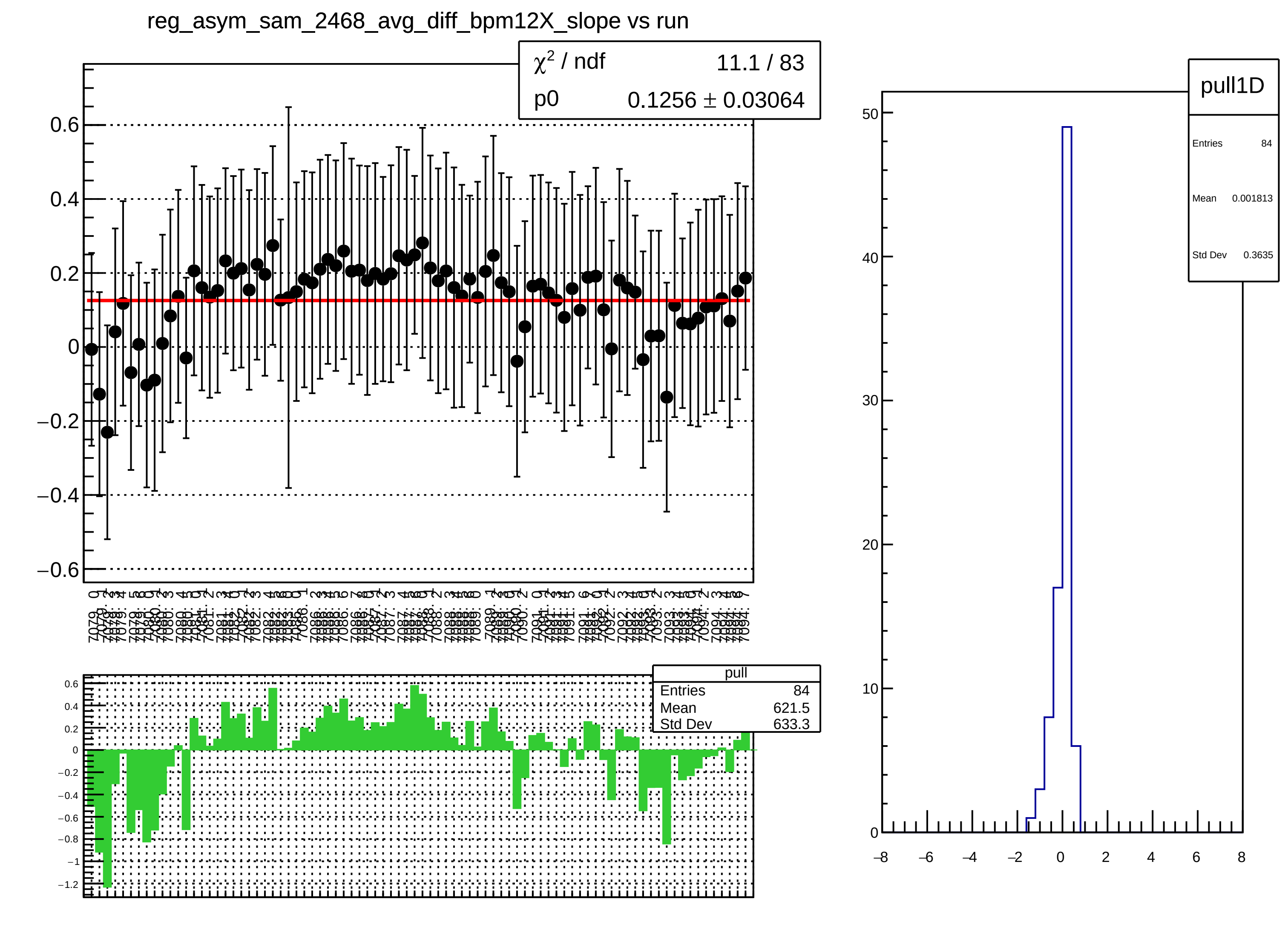


reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 120.5 / 83
p0 2.201 ± 0.6076
pull
Entries 84
Mean 430
Std Dev 402.4
pull1D
Entries 84
Mean −0.03075
Std Dev 1.197

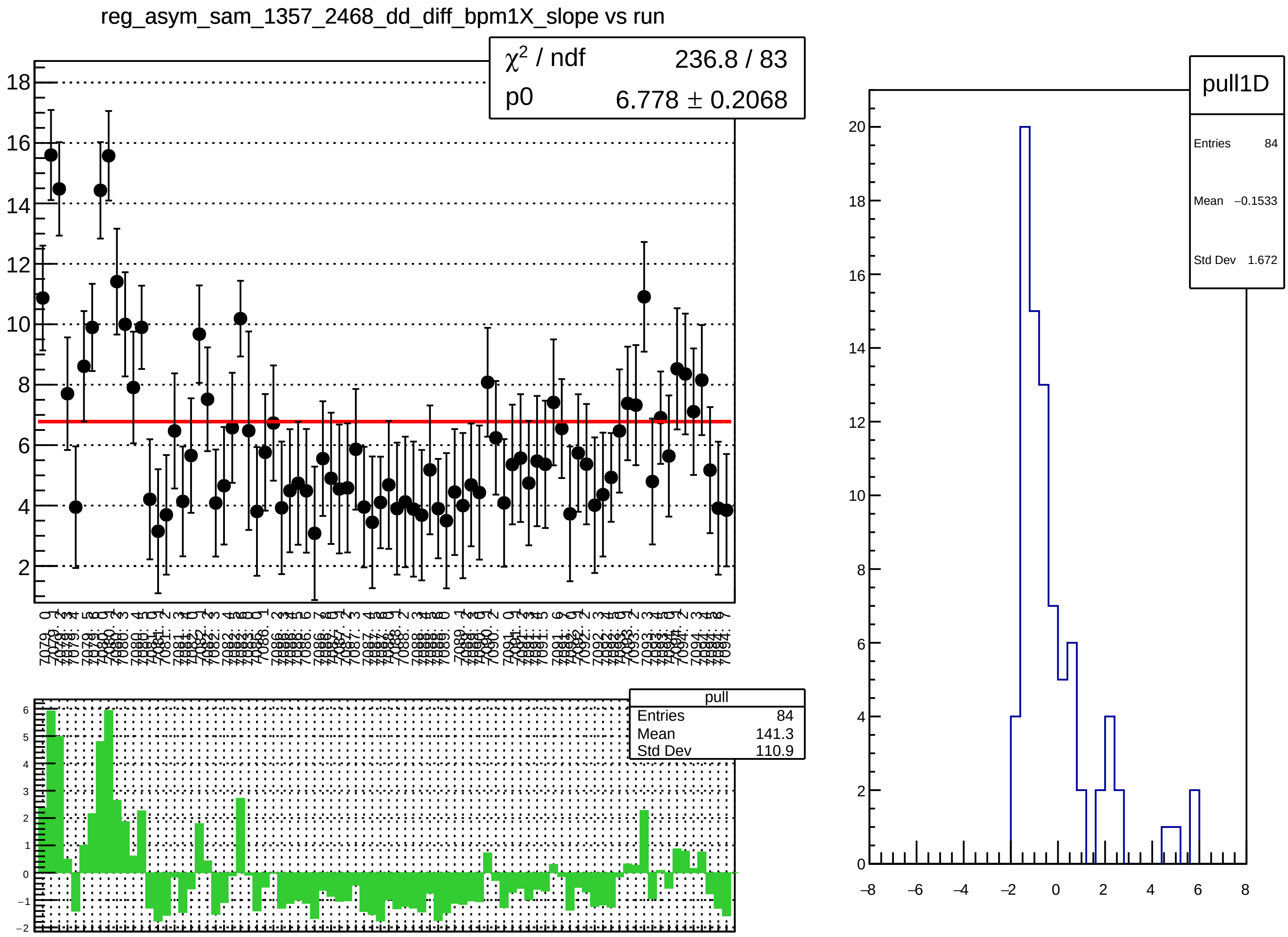


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ2 / ndf 239.9 / 83
p0 −61.45 ± 0.7732
pull
Entries 84
Mean 137.7
Std Dev 107.4
pull1D
Entries 84
Mean −0.1577
Std Dev 1.683

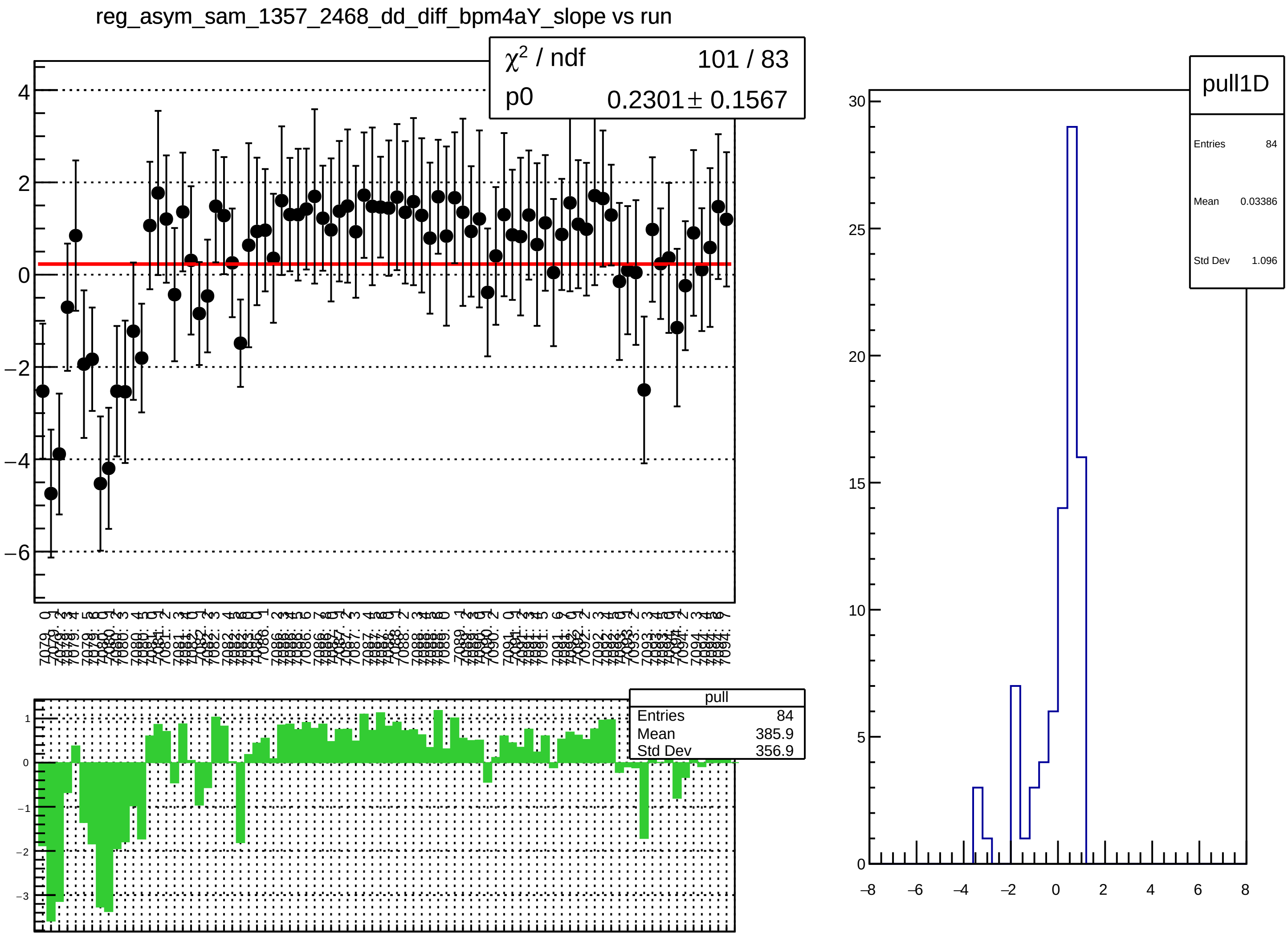

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 111.9 / 83
p0 36.9 ± 0.6393
pull
Entries 84
Mean 365.1
Std Dev 337.2
pull1D
Entries 84
Mean 0.03562
Std Dev 1.154

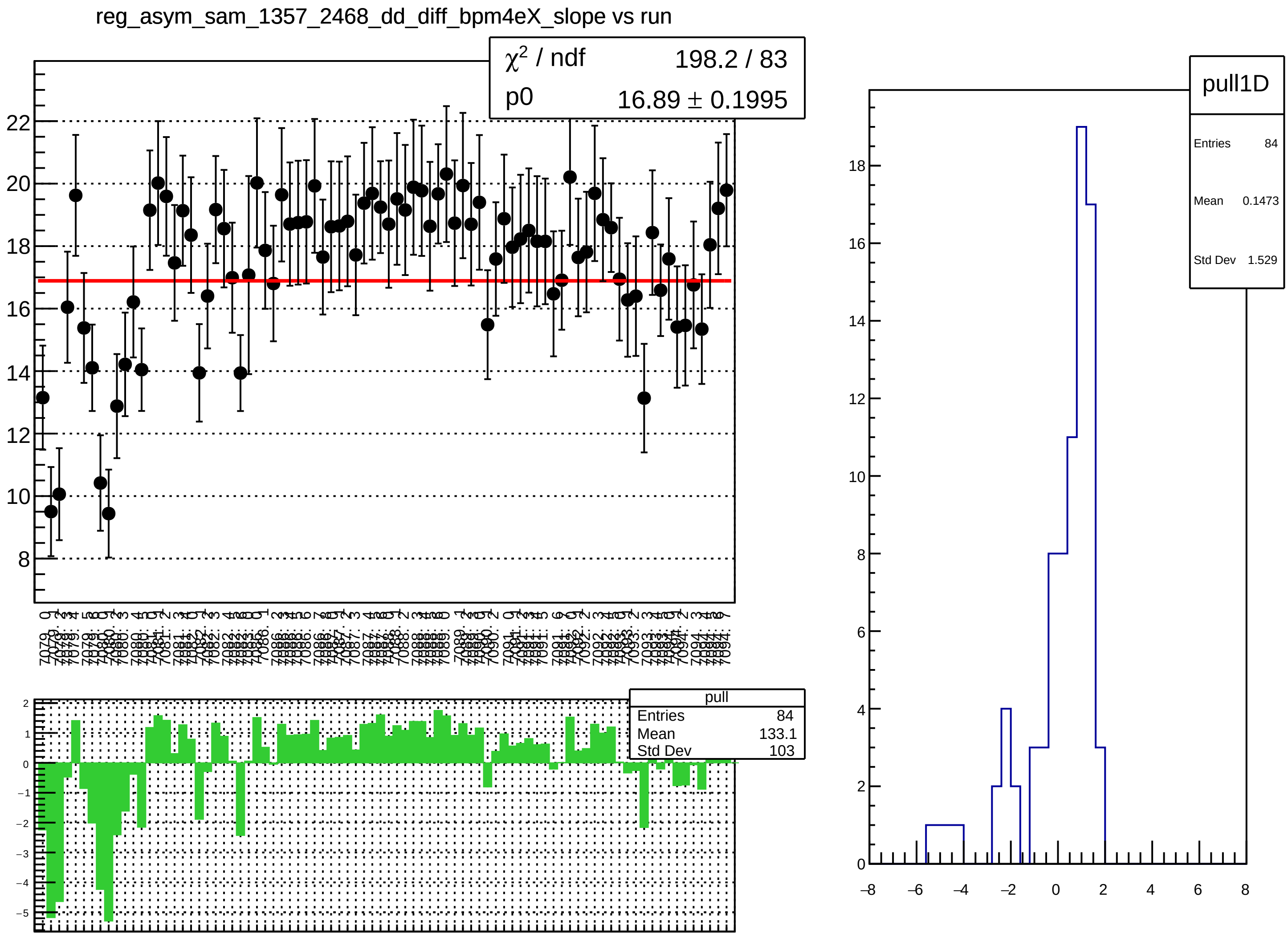


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ2 / ndf 11.1 / 83
p0 0.1256 ± 0.03064
pull
Entries 84
Mean 621.5
Std Dev 633.3
pull1D
Entries 84
Mean 0.001813
Std Dev 0.3635

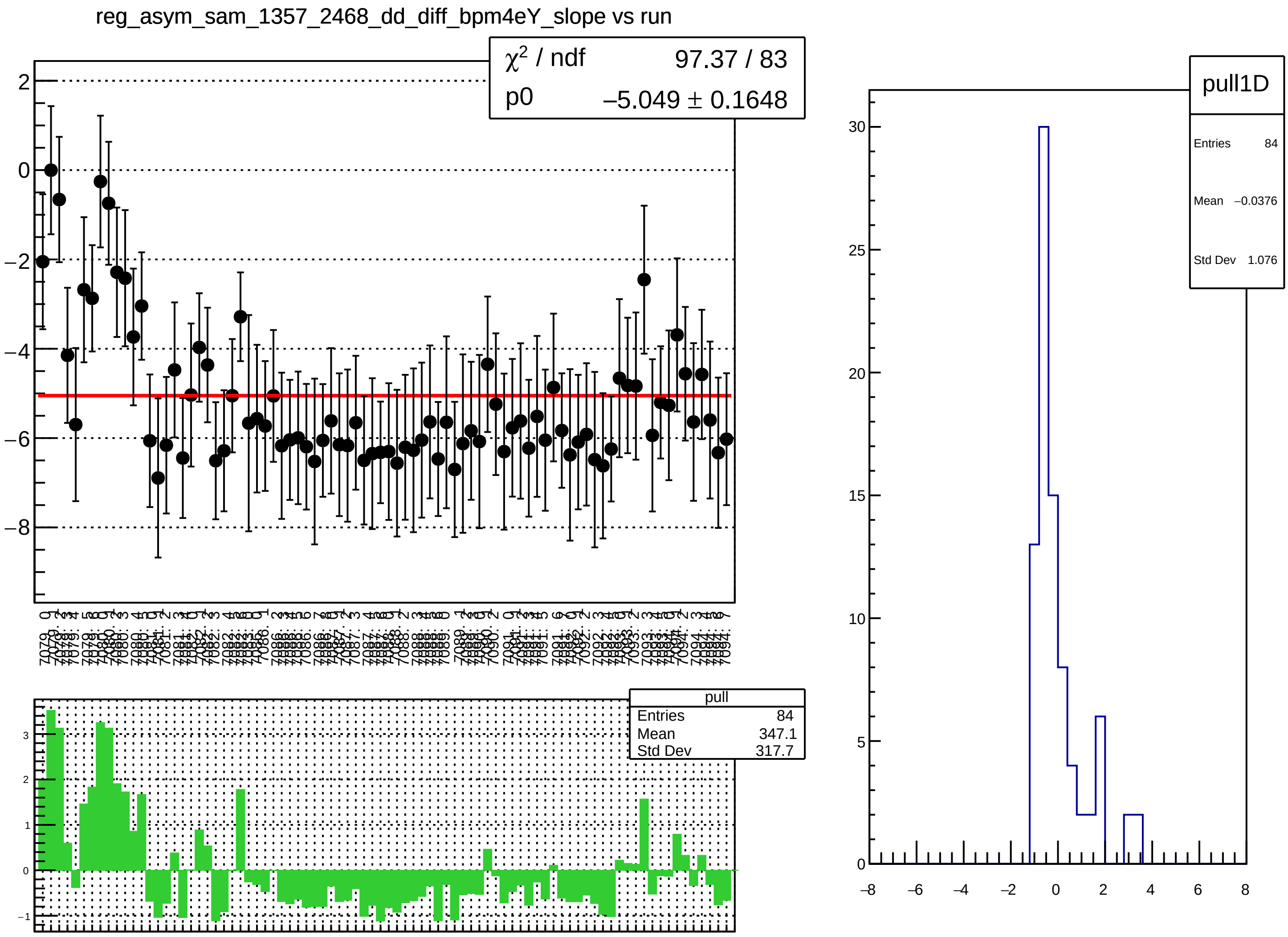


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 236.8 / 83
p0 6.778 ± 0.2068
pull
Entries 84
Mean 141.3
Std Dev 110.9
pull1D
Entries 84
Mean −0.1533
Std Dev 1.672

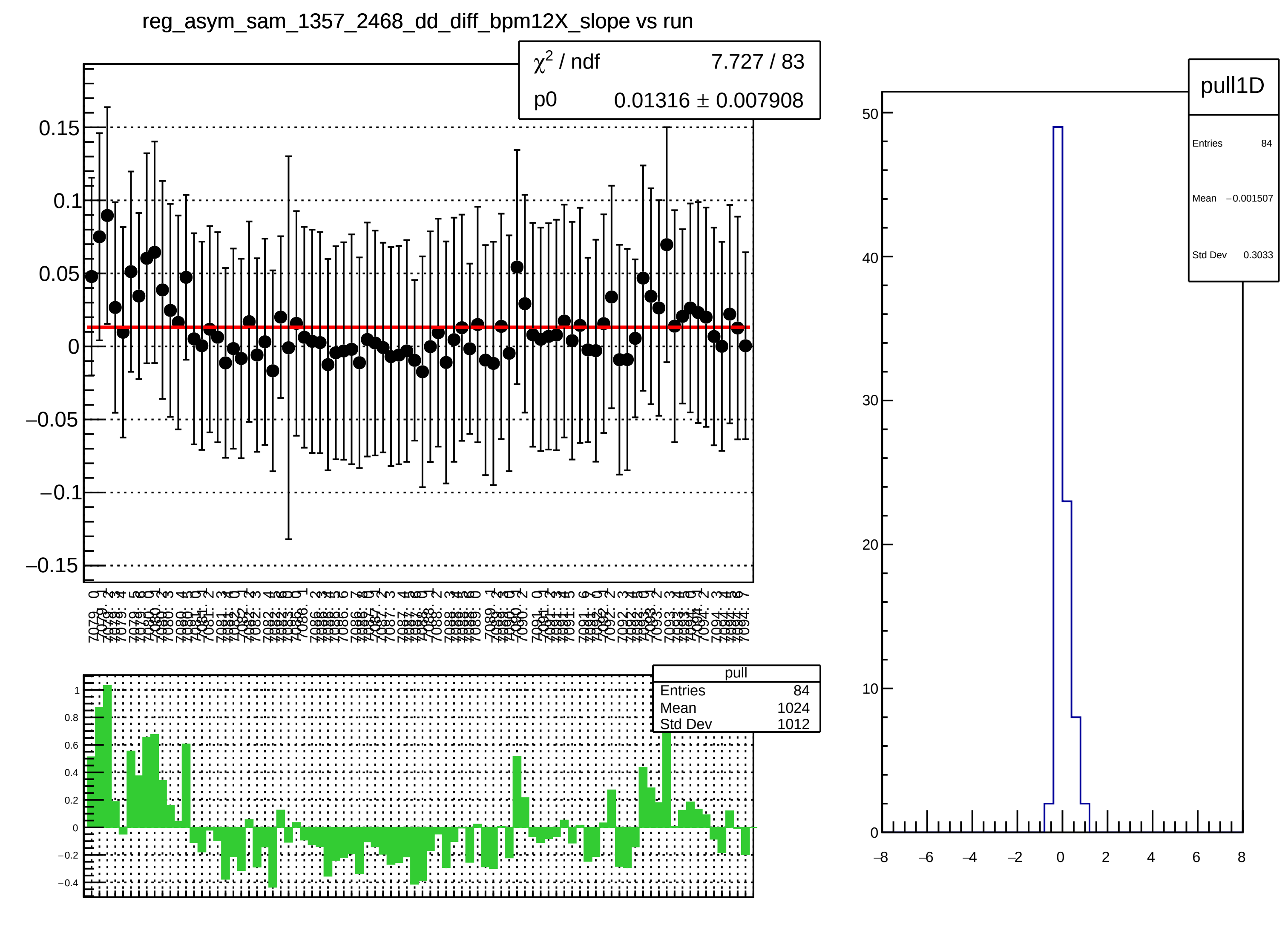

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 101 / 83
p0 0.2301 ± 0.1567
pull
Entries 84
Mean 385.9
Std Dev 356.9
pull1D
Entries 84
Mean 0.03386
Std Dev 1.096

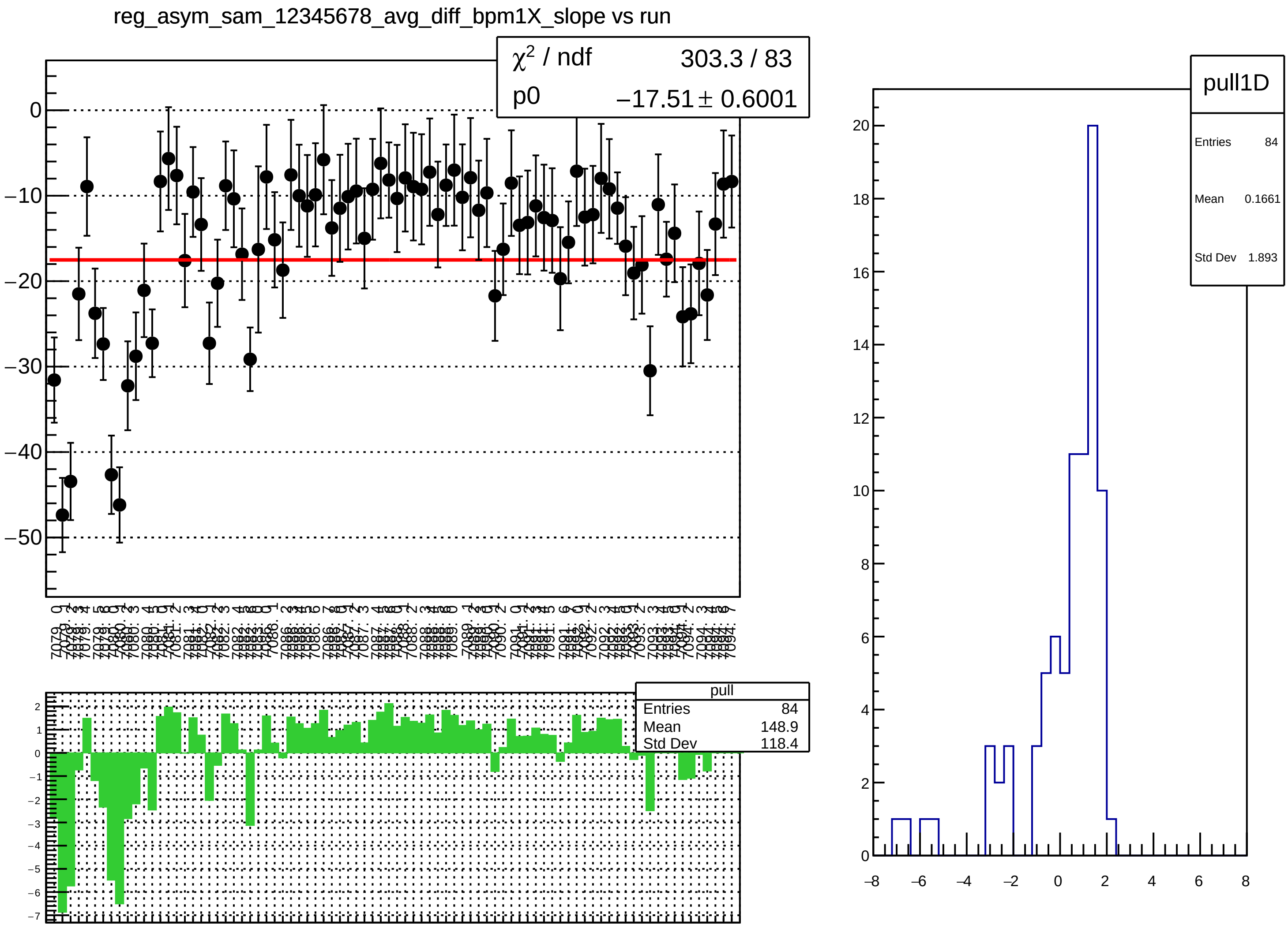


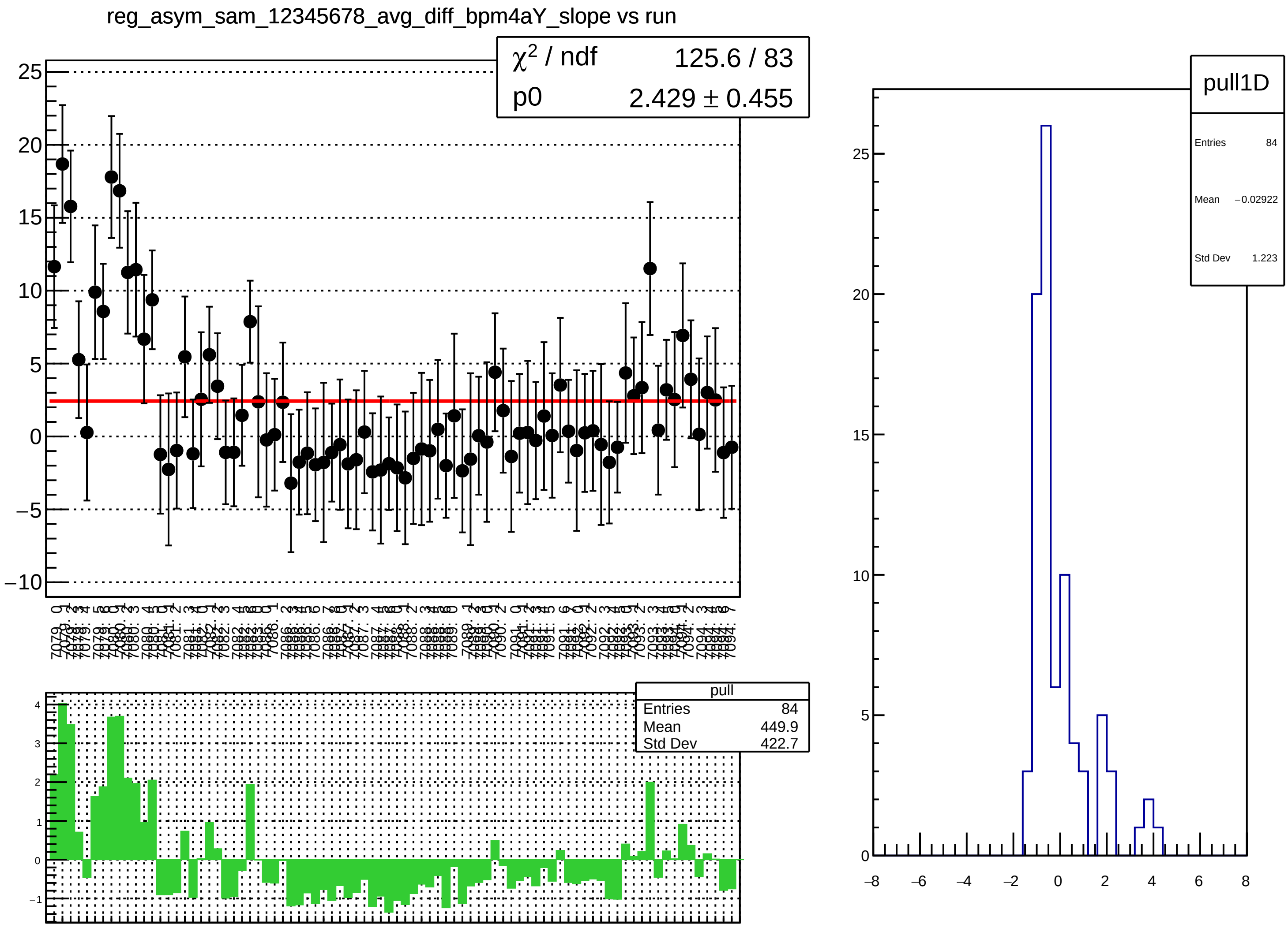
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ2 / ndf 198.2 / 83
p0 16.89 ± 0.1995
pull
Entries 84
Mean 133.1
Std Dev 103
pull1D
Entries 84
Mean 0.1473
Std Dev 1.529



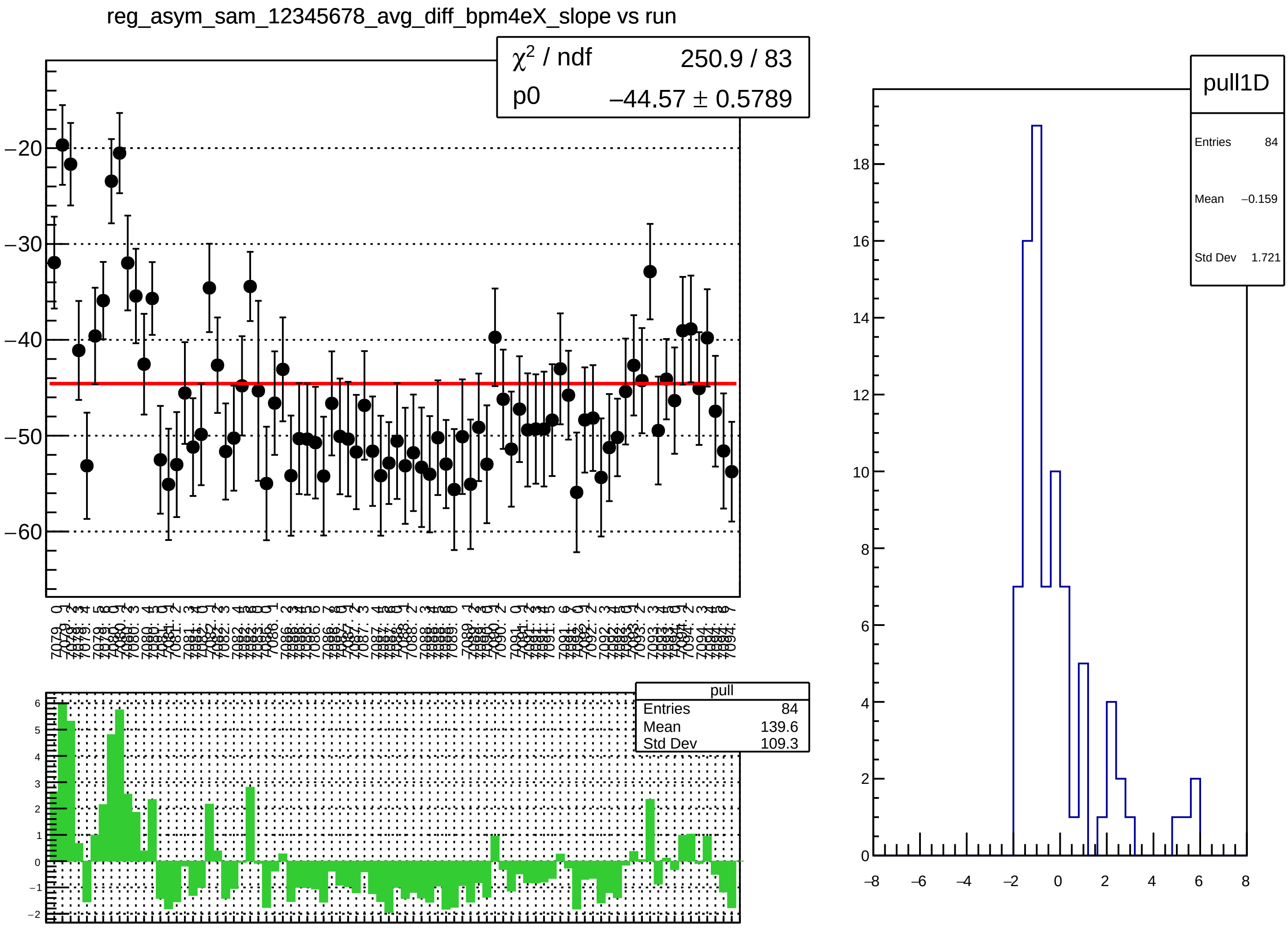
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 97.37 / 83
p0 −5.049 ± 0.1648
pull
Entries 84
Mean 347.1
Std Dev 317.7
pull1D
Entries 84
Mean −0.0376
Std Dev 1.076


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.727 / 83
p0 0.01316 ± 0.007908
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 84
Mean 1024
Std Dev 1012
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 84
Mean −0.001507
Std Dev 0.3033
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

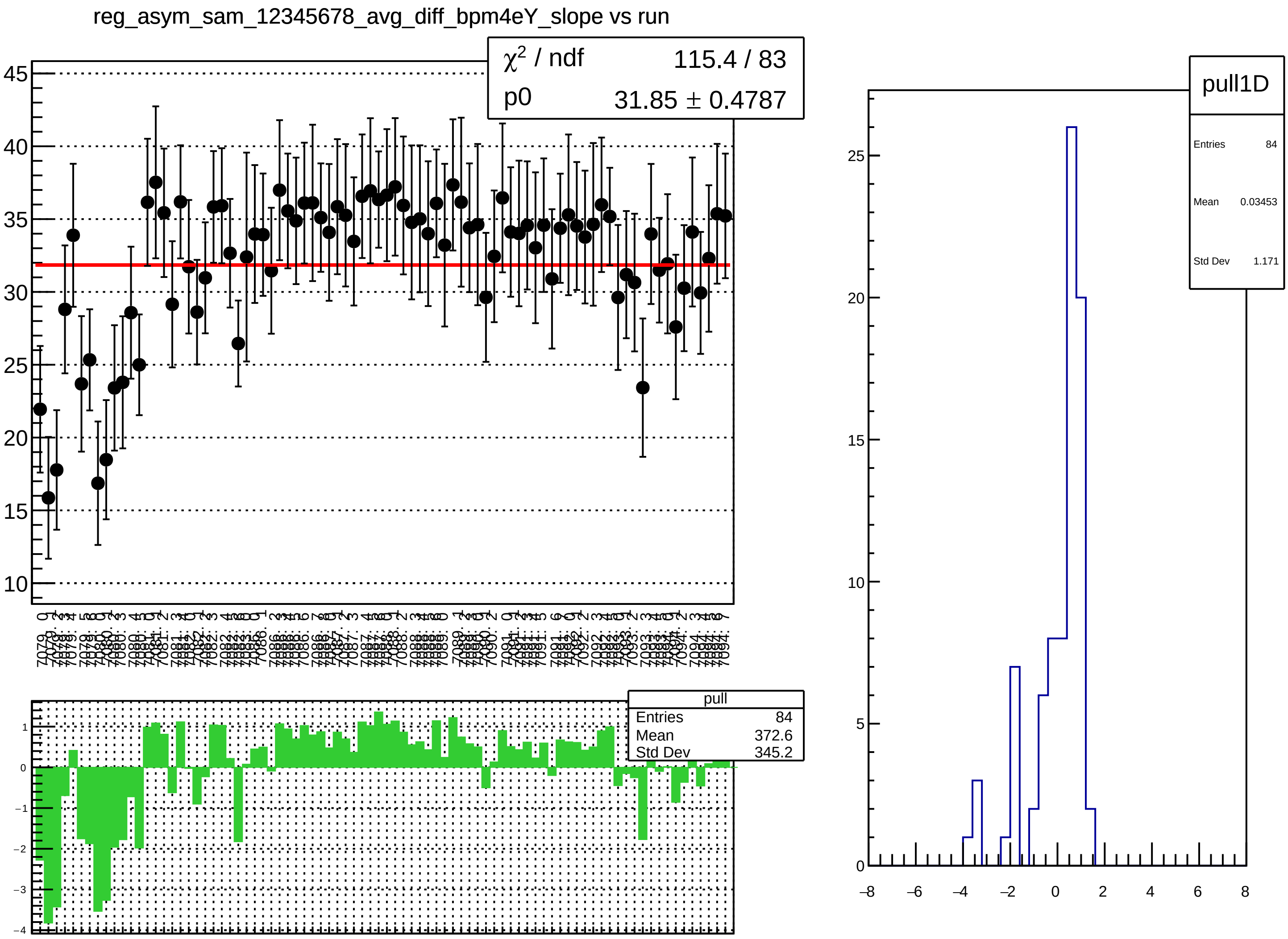

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 303.3 / 83
p0 −17.51 ± 0.6001
pull
Entries 84
Mean 148.9
Std Dev 118.4
pull1D
Entries 84
Mean 0.1661
Std Dev 1.893



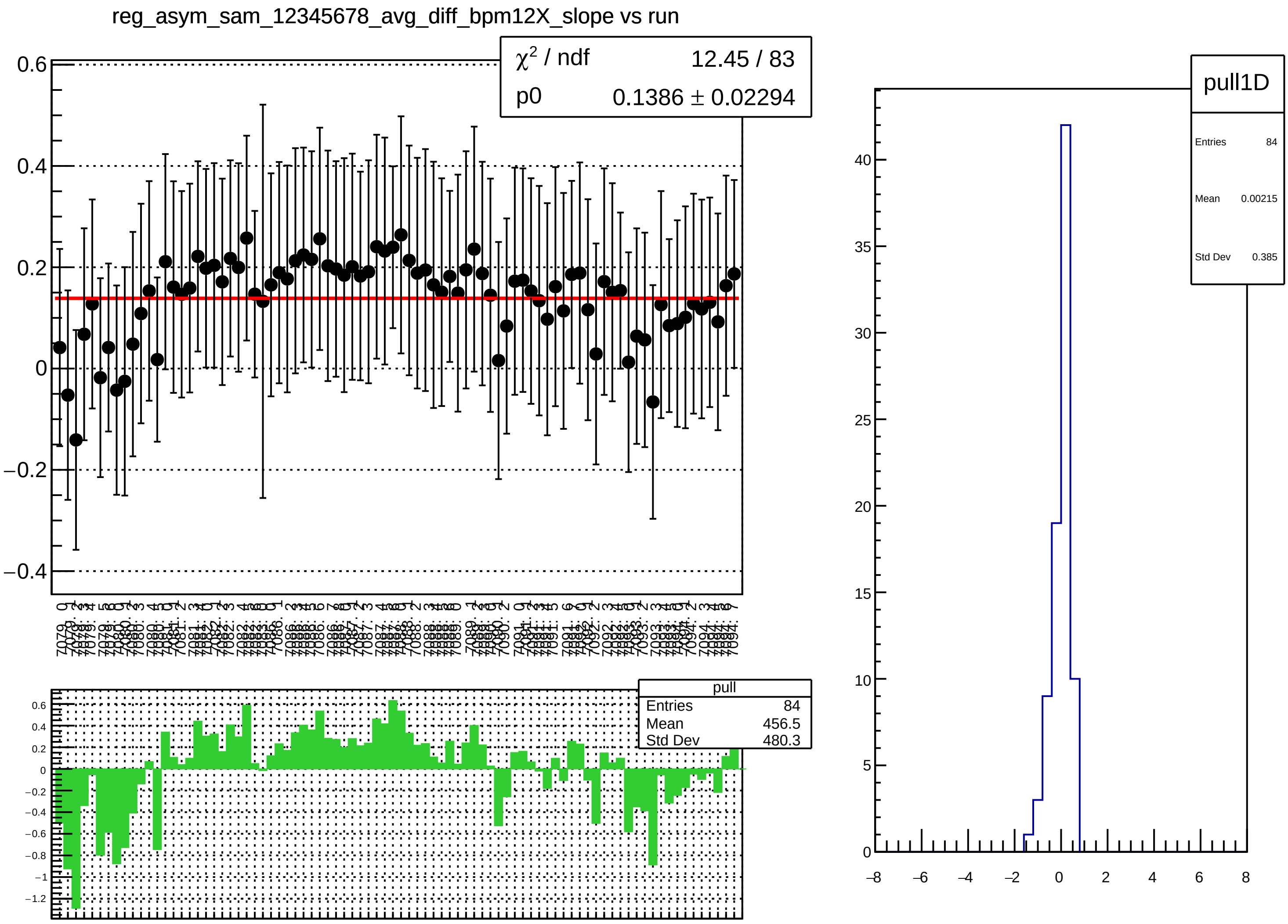
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 125.6 / 83
p0 2.429 ± 0.455
pull
Entries 84
Mean 449.9
Std Dev 422.7
pull1D
Entries 84
Mean −0.02922
Std Dev 1.223



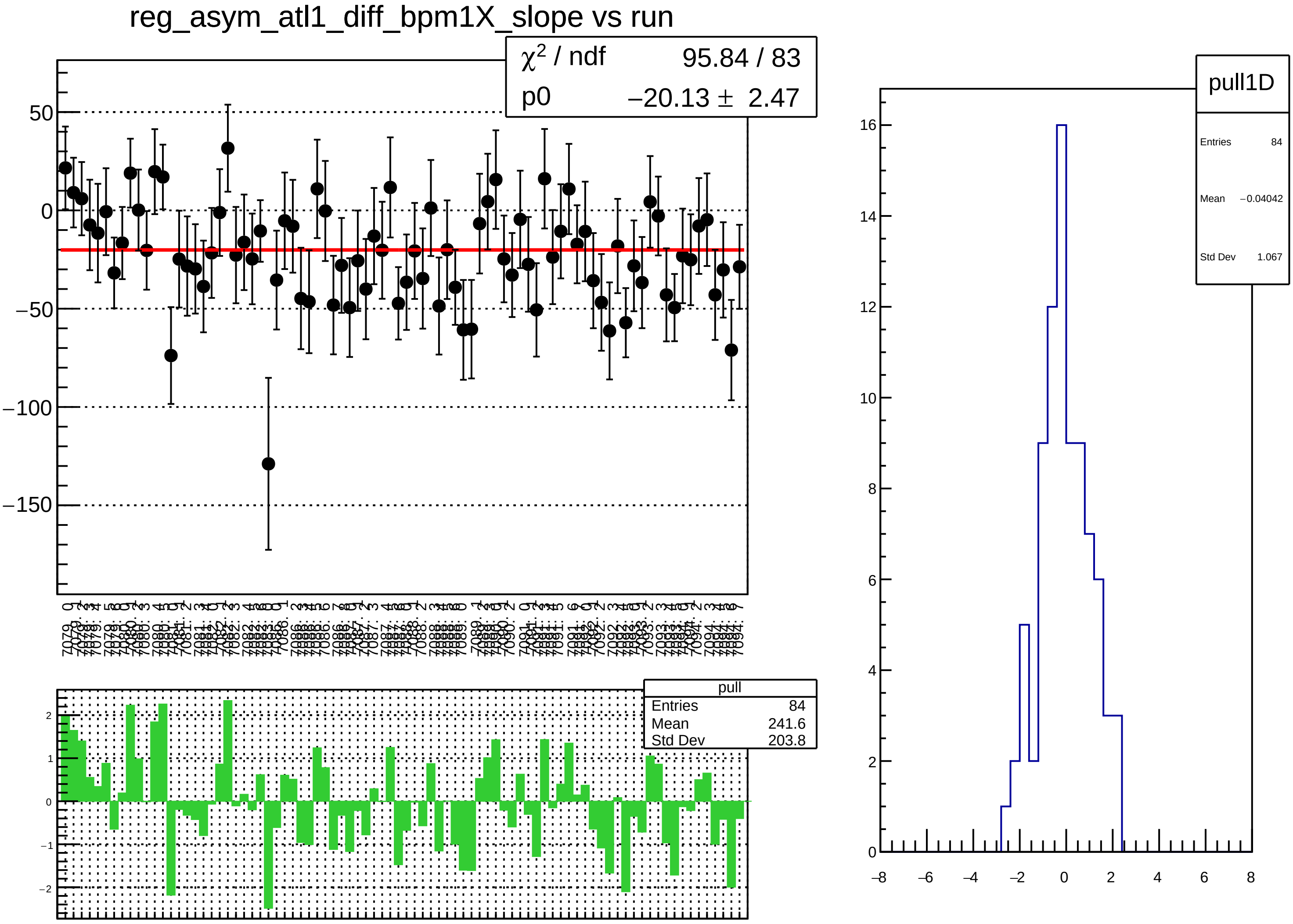
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 250.9 / 83
p0 −44.57 ± 0.5789
pull
Entries 84
Mean 139.6
Std Dev 109.3
pull1D
Entries 84
Mean −0.159
Std Dev 1.721



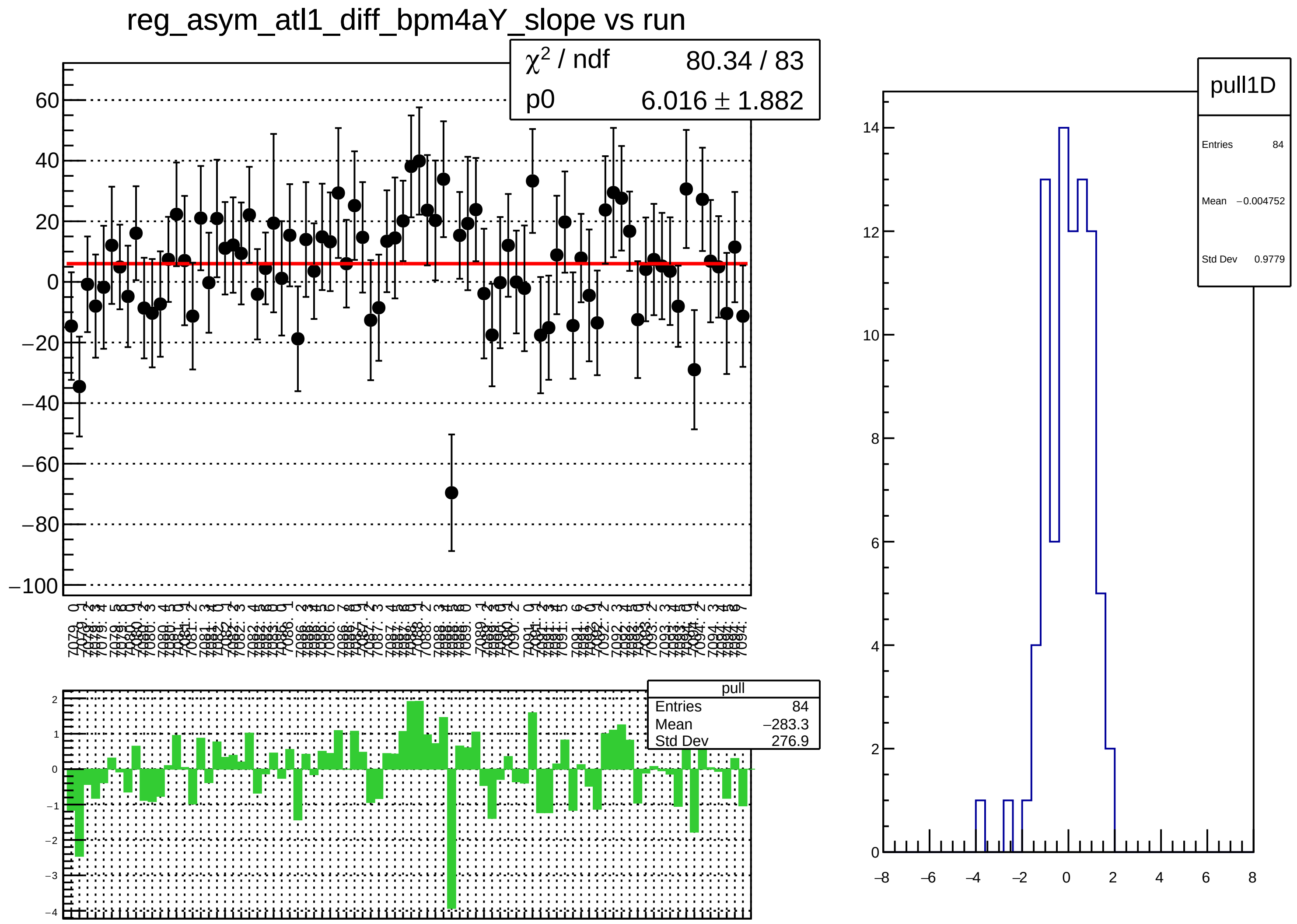
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 115.4 / 83
p0 31.85 ± 0.4787
pull
Entries 84
Mean 372.6
Std Dev 345.2
pull1D
Entries 84
Mean 0.03453
Std Dev 1.171



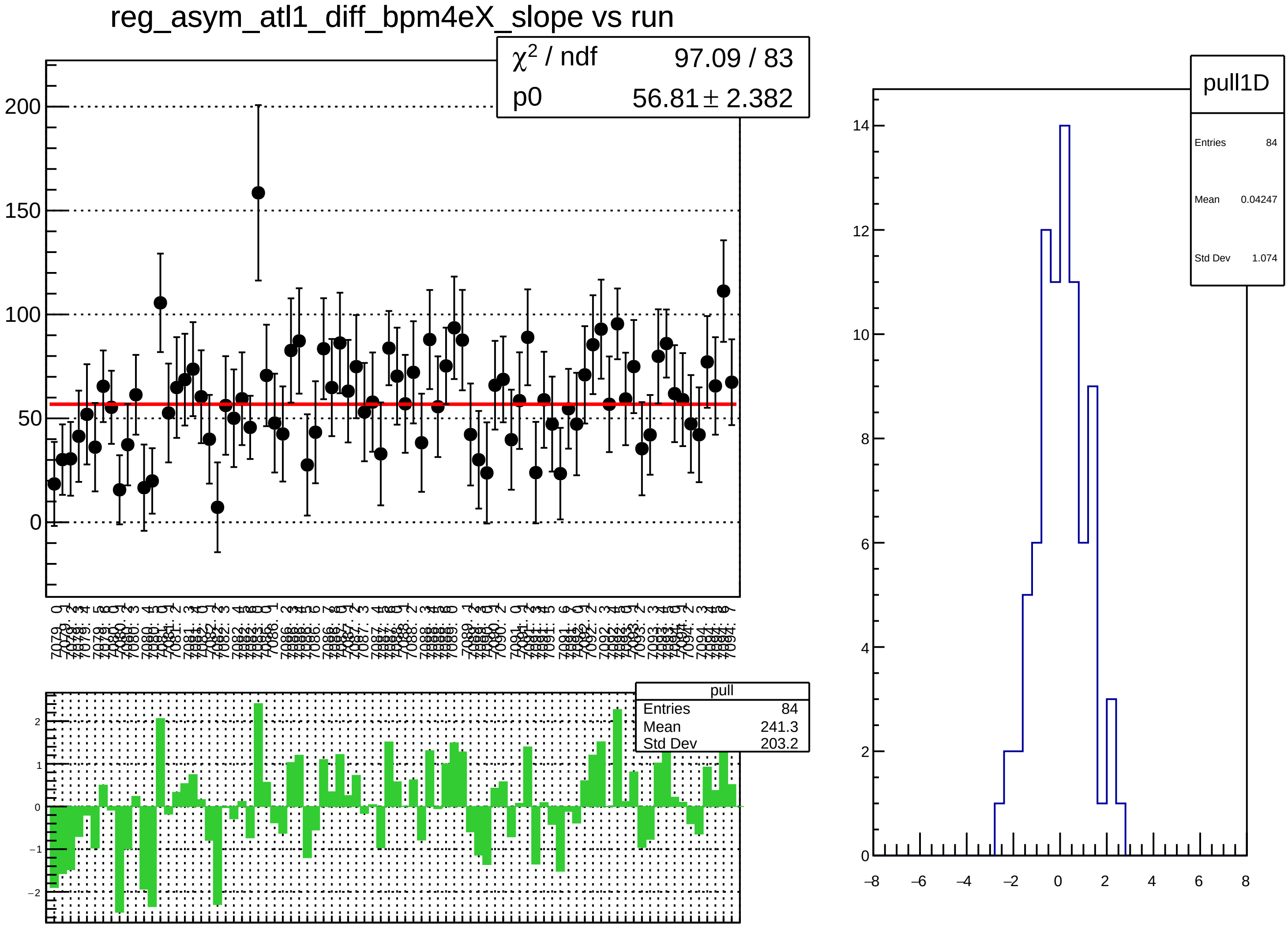
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 12.45 / 83
p0 0.1386 ± 0.02294
pull
Entries 84
Mean 456.5
Std Dev 480.3
pull1D
Entries 84
Mean 0.00215
Std Dev 0.385

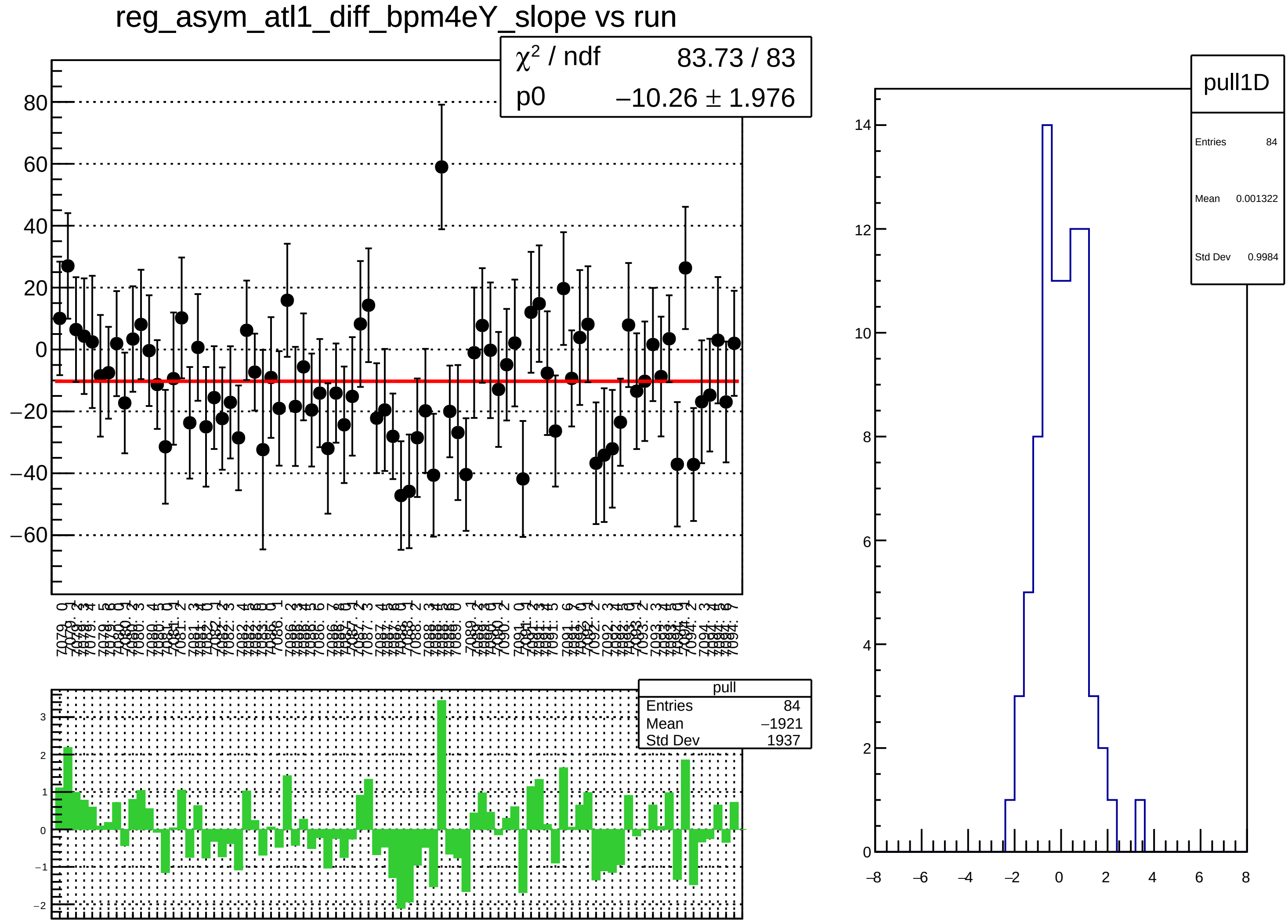


reg_asym_atl1_diff_bpm1X_slope vs run
χ2 / ndf 95.84 / 83
p0 −20.13 ± 2.47
pull
Entries 84
Mean 241.6
Std Dev 203.8
pull1D
Entries 84
Mean −0.04042
Std Dev 1.067

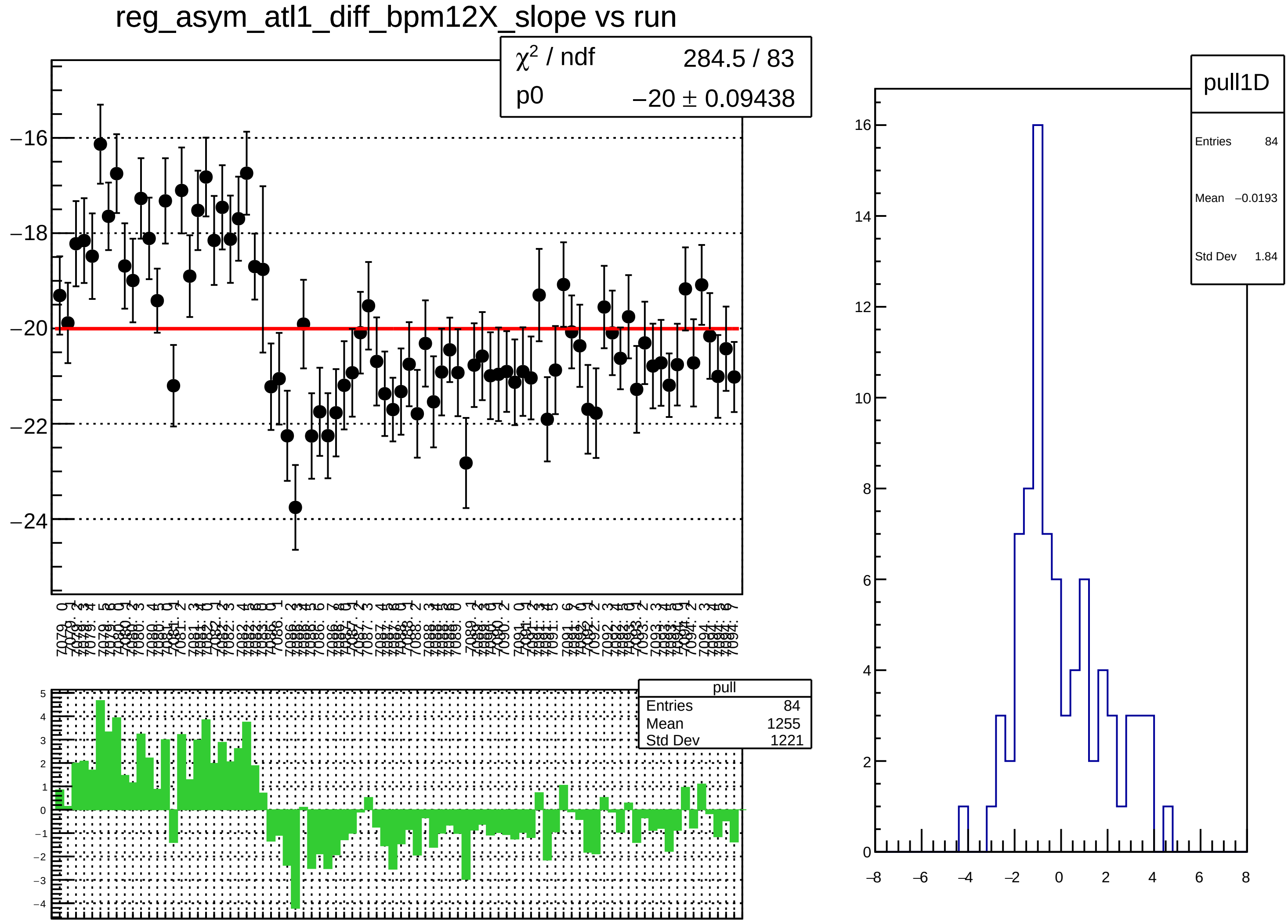


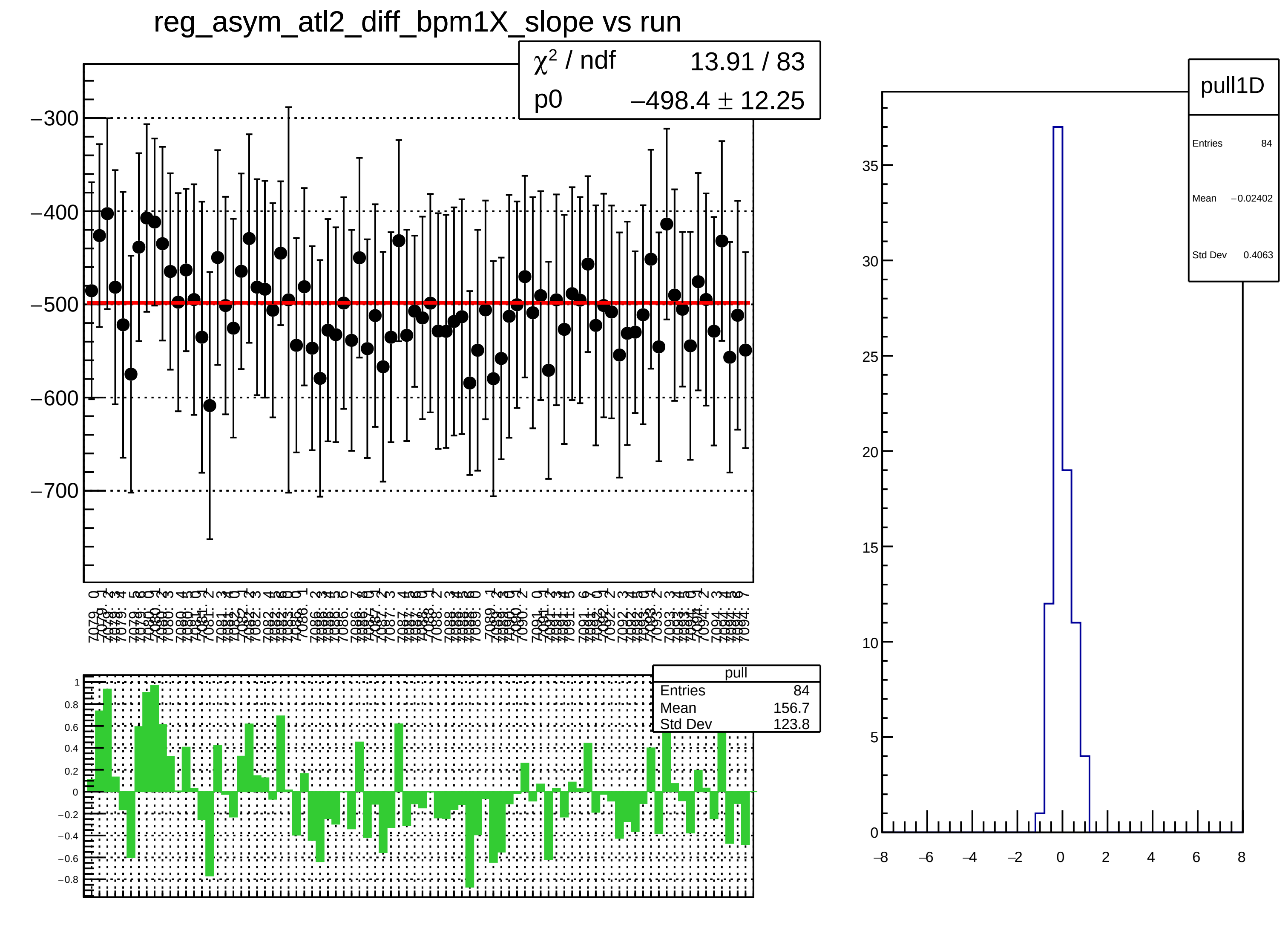
reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 80.34 / 83
p0 6.016 ± 1.882
pull
Entries 84
Mean −283.3
Std Dev 276.9
pull1D
Entries 84
Mean −0.004752
Std Dev 0.9779

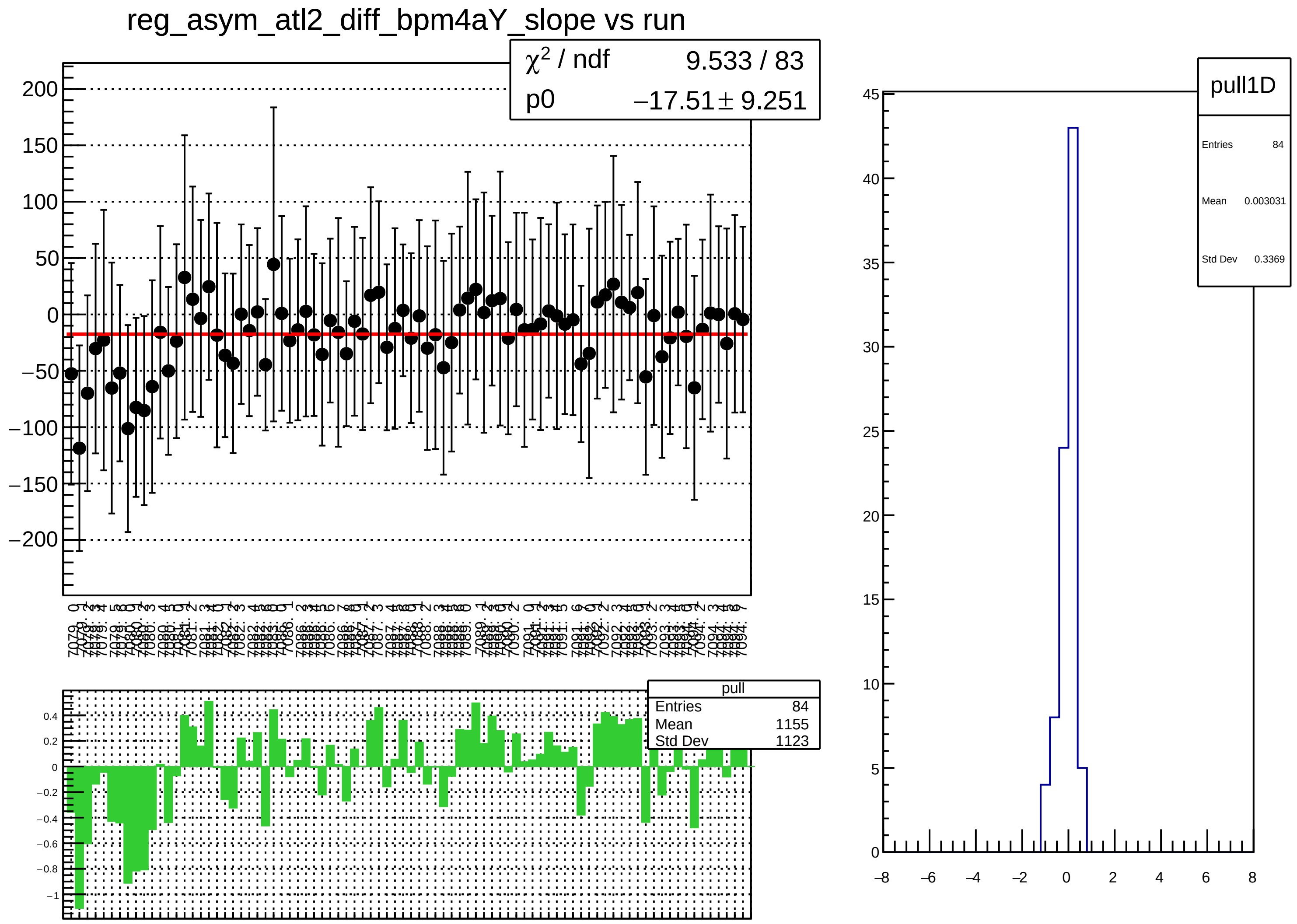

reg_asym_atl1_diff_bpm4eX_slope vs run
χ2 / ndf 97.09 / 83
p0 56.81 ± 2.382
pull
Entries 84
Mean 241.3
Std Dev 203.2
pull1D
Entries 84
Mean 0.04247
Std Dev 1.074

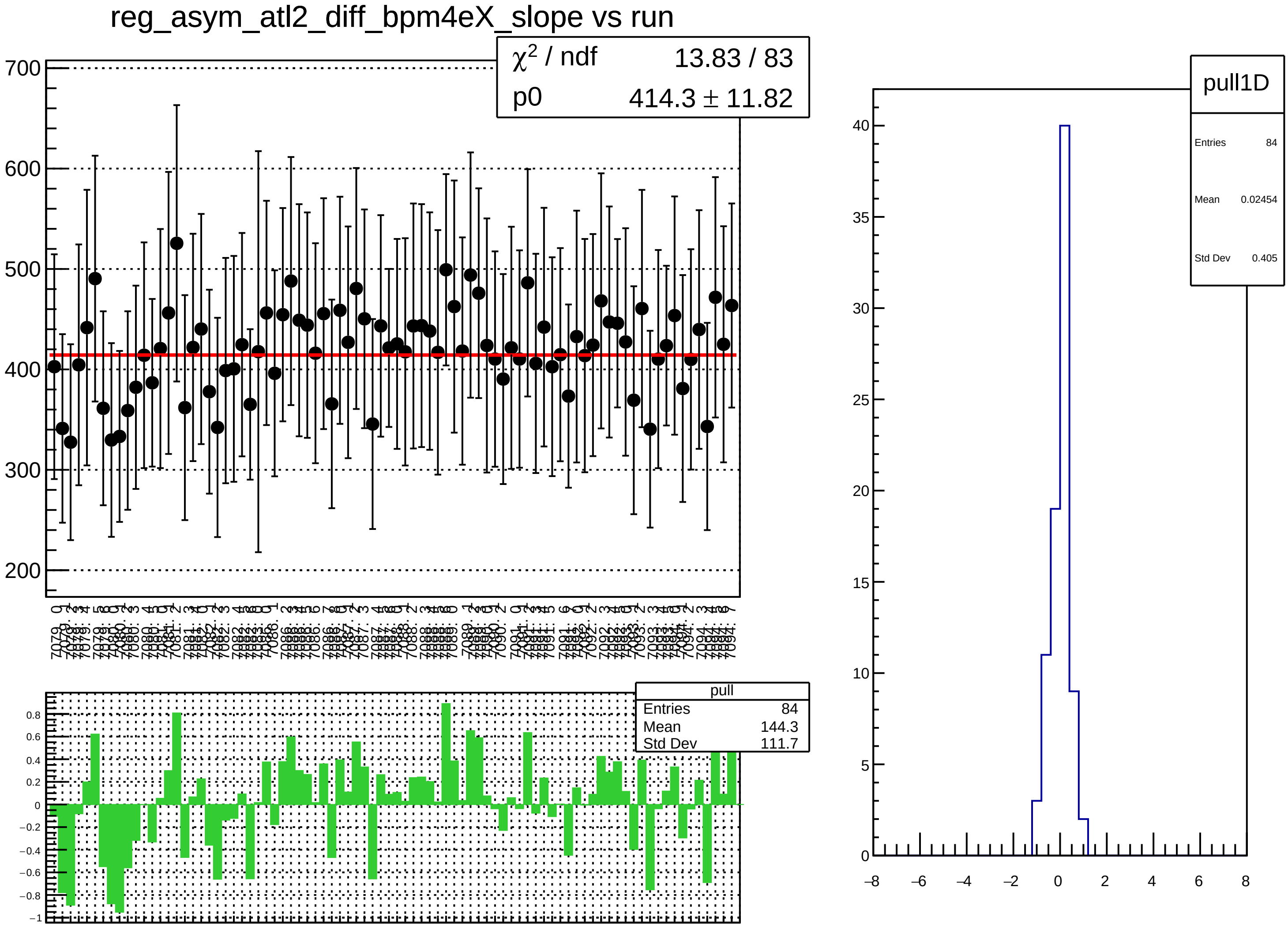


reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 83.73 / 83
p0 −10.26 ± 1.976
pull
Entries 84
Mean −1921
Std Dev 1937
pull1D
Entries 84
Mean 0.001322
Std Dev 0.9984

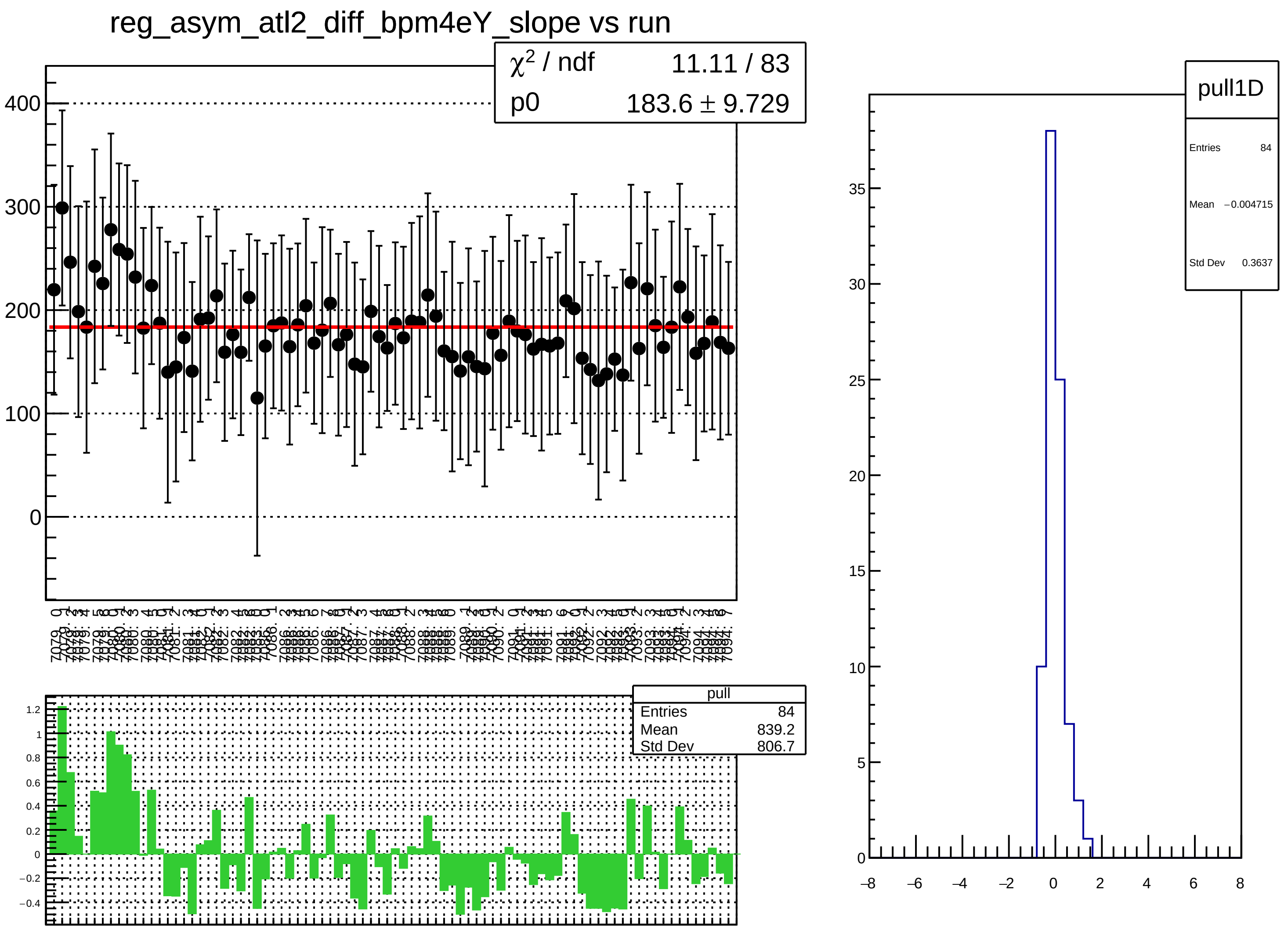

reg_asym_atl1_diff_bpm12X_slope vs run
χ2 / ndf 284.5 / 83
p0 −20 ± 0.09438
pull
Entries 84
Mean 1255
Std Dev 1221
pull1D
Entries 84
Mean −0.0193
Std Dev 1.84

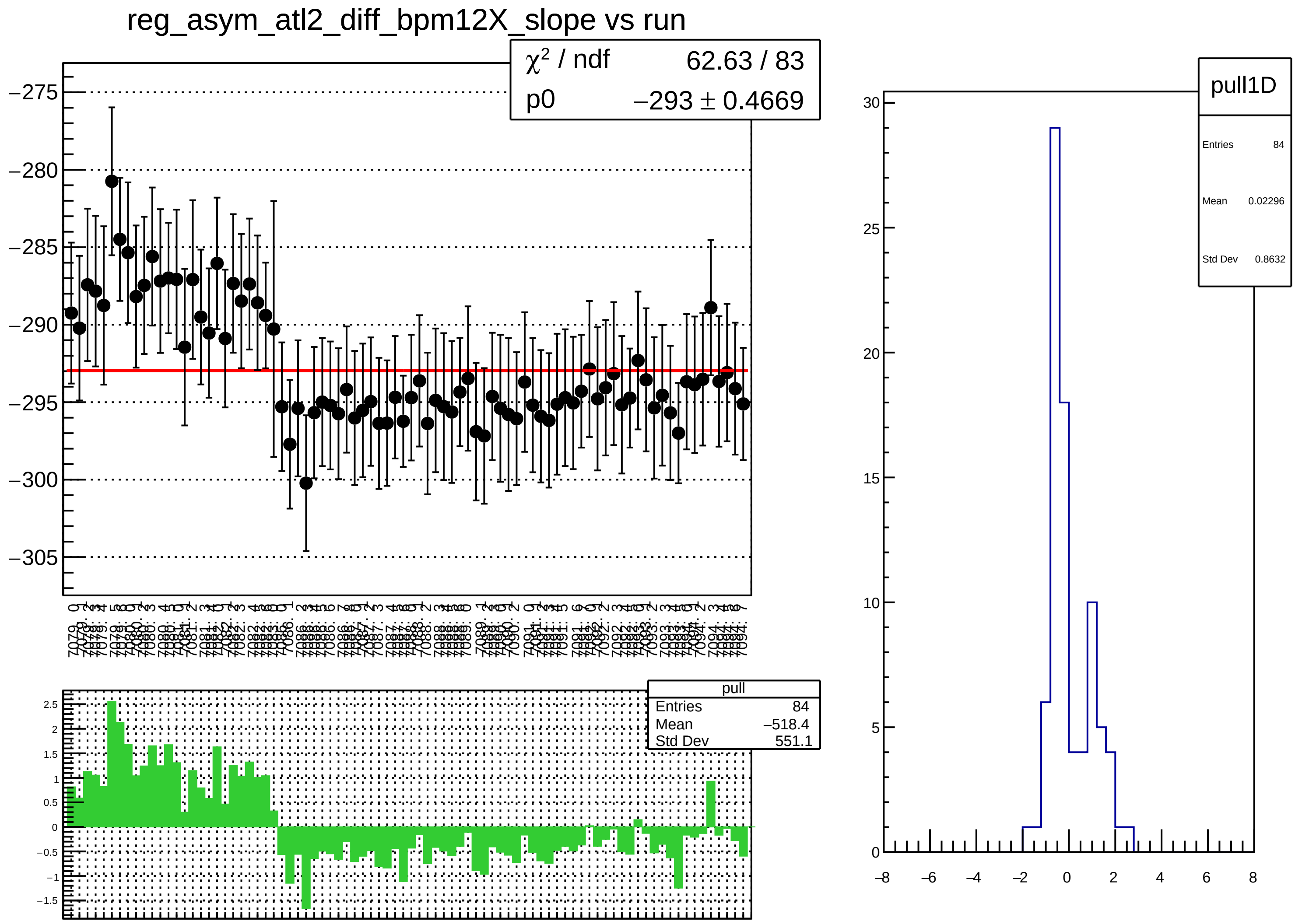

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 13.91 / 83
p0 −498.4 ± 12.25
pull
Entries 84
Mean 156.7
Std Dev 123.8
pull1D
Entries 84
Mean −0.02402
Std Dev 0.4063

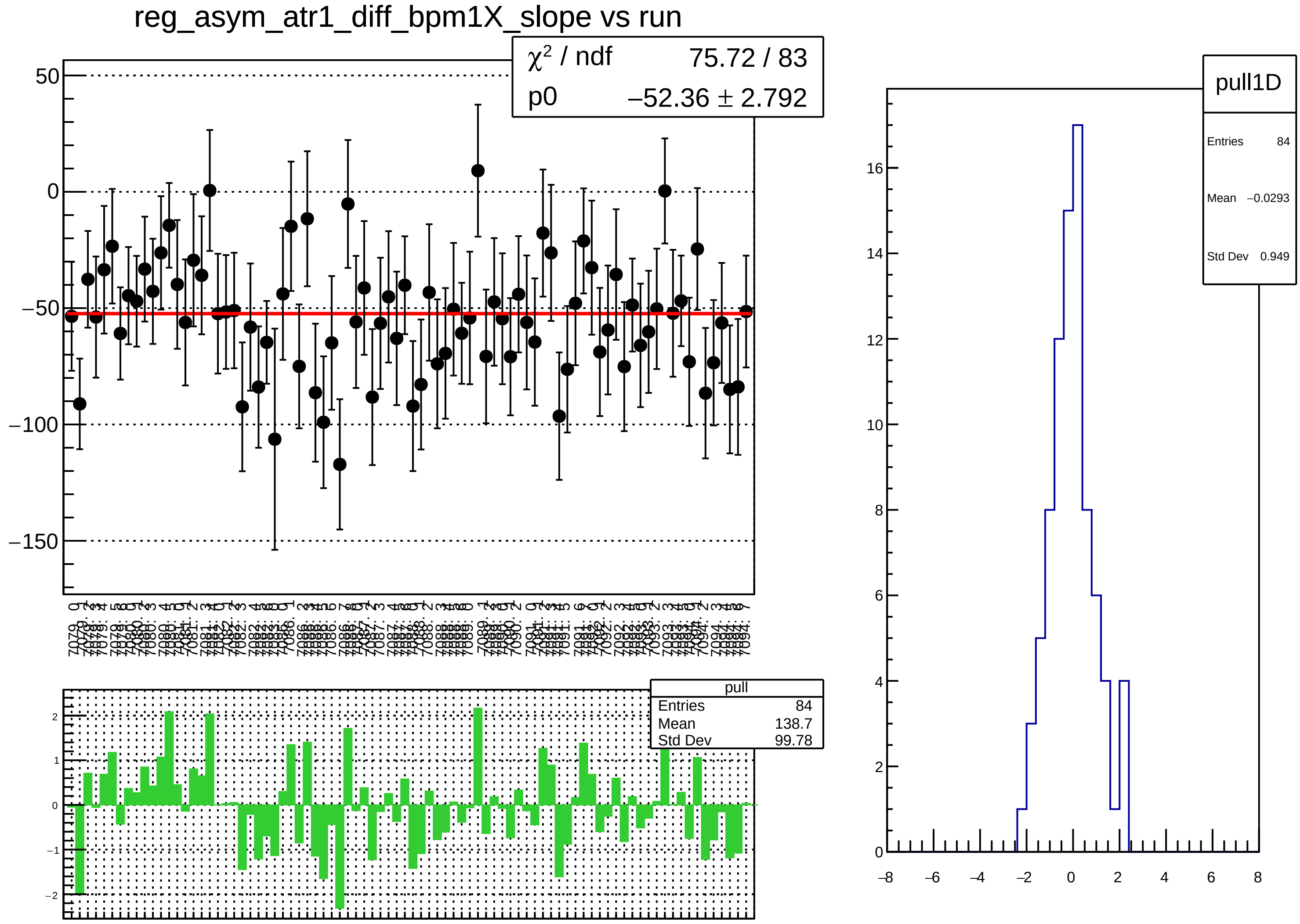

reg_asym_atl2_diff_bpm4aY_slope vs run
χ2 / ndf 9.533 / 83
p0 −17.51 ± 9.251
pull
Entries 84
Mean 1155
Std Dev 1123
pull1D
Entries 84
Mean 0.003031
Std Dev 0.3369

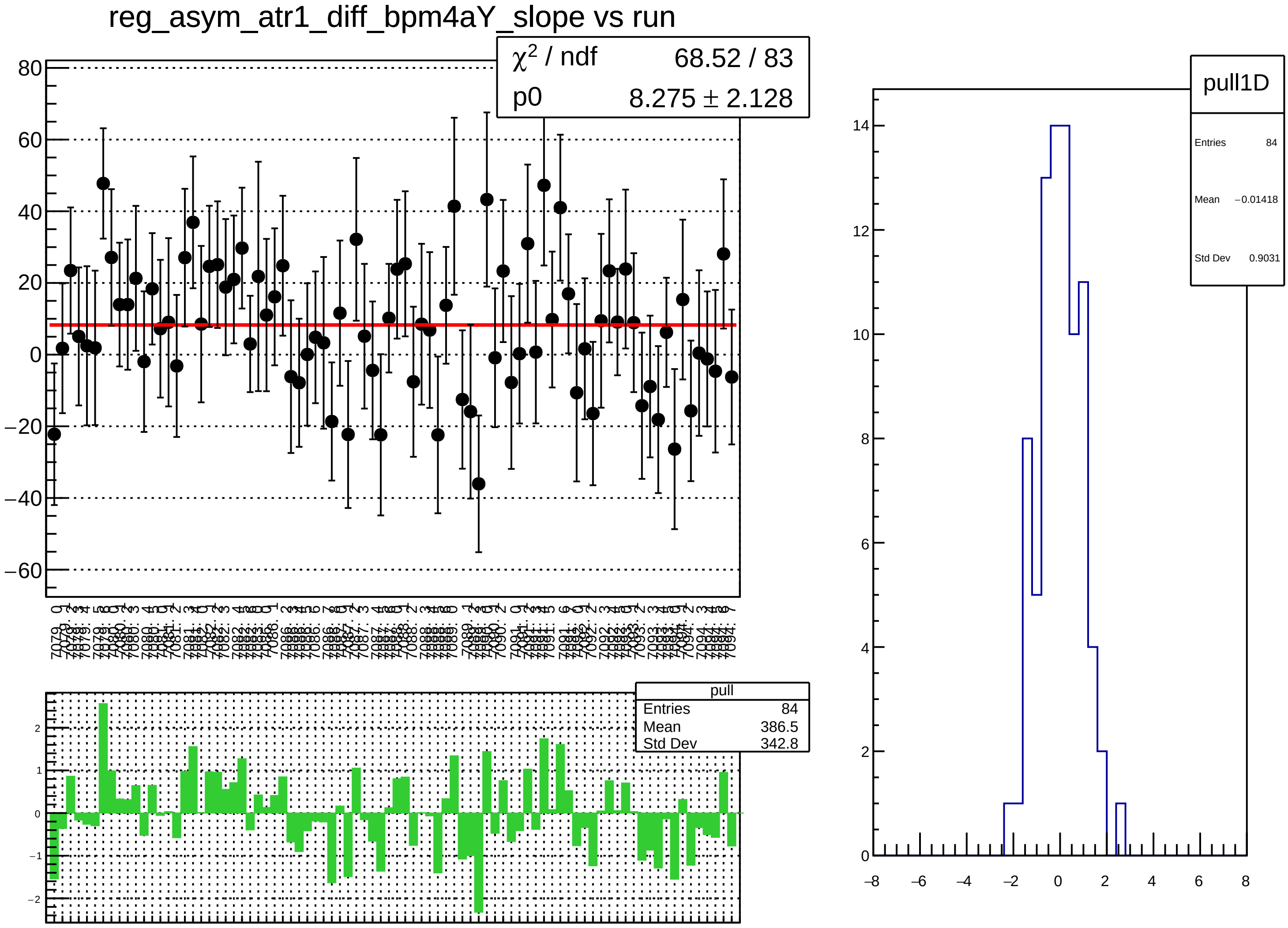


reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 13.83 / 83
p0 414.3 ± 11.82
pull
Entries 84
Mean 144.3
Std Dev 111.7
pull1D
Entries 84
Mean 0.02454
Std Dev 0.405

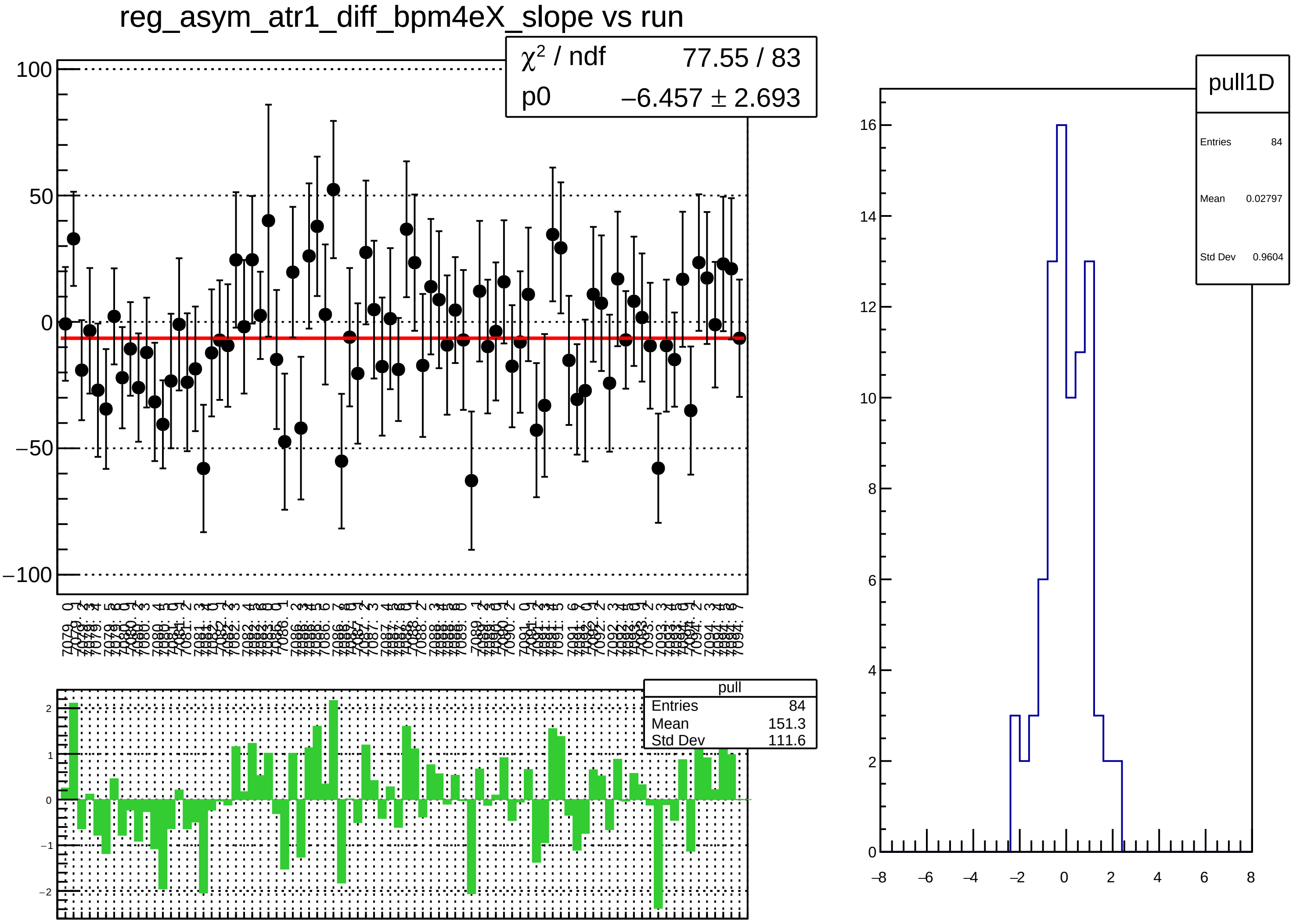

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 11.11 / 83
p0 183.6 ± 9.729
pull
Entries 84
Mean 839.2
Std Dev 806.7
pull1D
Entries 84
Mean −0.004715
Std Dev 0.3637


reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 62.63 / 83
p0 −293 ± 0.4669
pull
Entries 84
Mean −518.4
Std Dev 551.1
pull1D
Entries 84
Mean 0.02296
Std Dev 0.8632

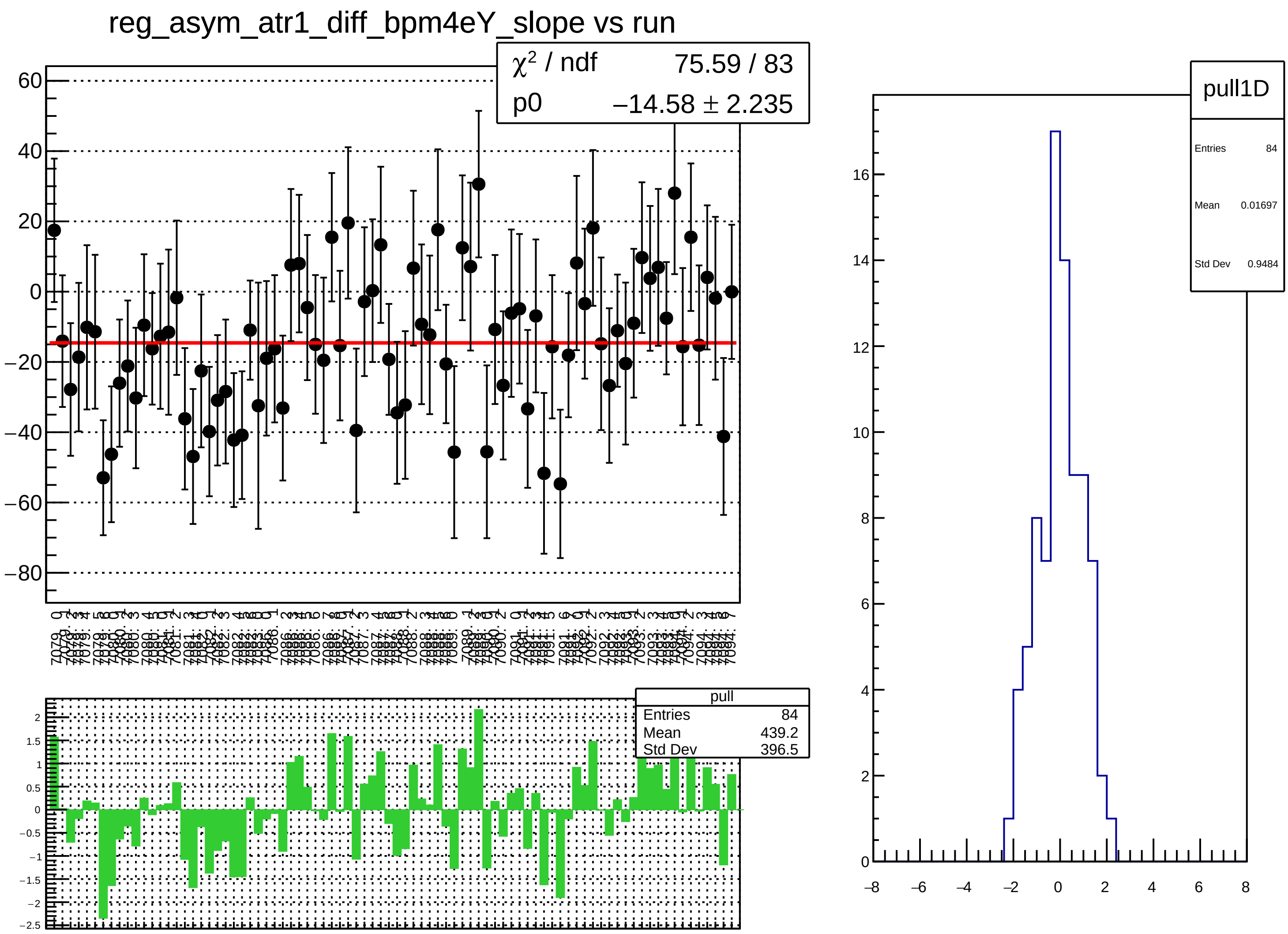

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 75.72 / 83
p0 −52.36 ± 2.792
pull
Entries 84
Mean 138.7
Std Dev 99.78
pull1D
Entries 84
Mean −0.0293
Std Dev 0.949



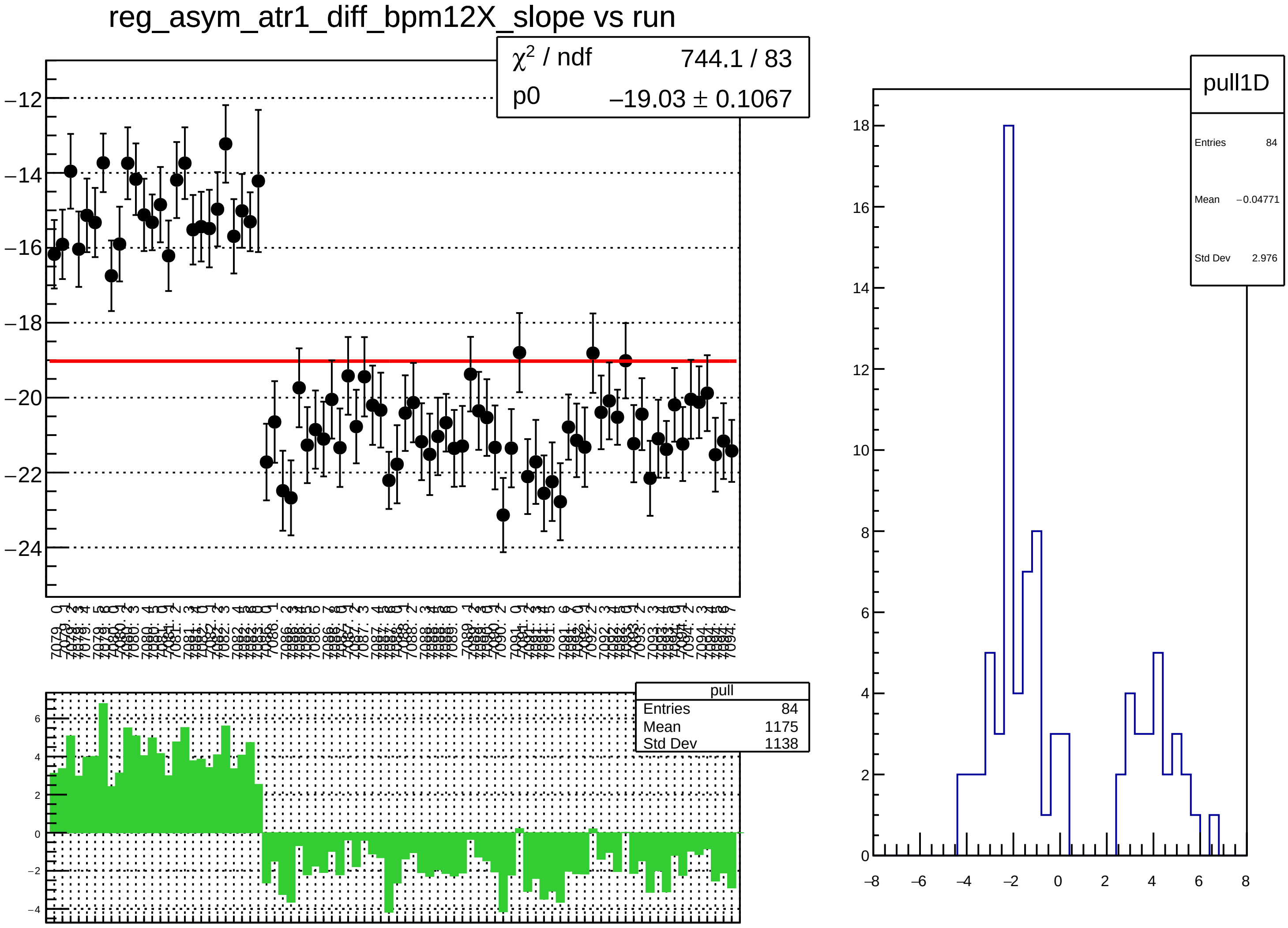
reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 68.52 / 83
p0 8.275 ± 2.128
pull
Entries 84
Mean 386.5
Std Dev 342.8
pull1D
Entries 84
Mean −0.01418
Std Dev 0.9031



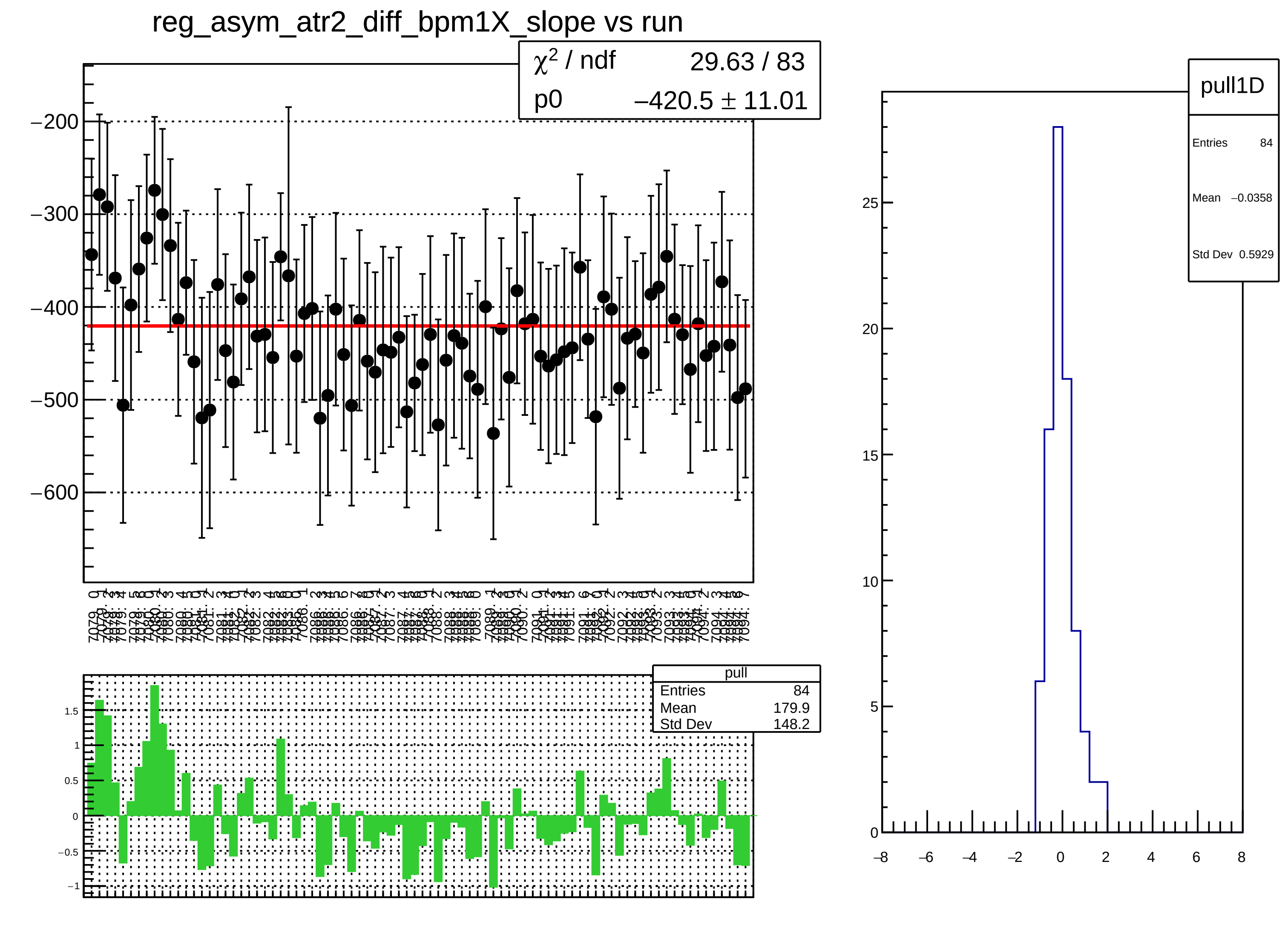
reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 77.55 / 83
p0 −6.457 ± 2.693
pull
Entries 84
Mean 151.3
Std Dev 111.6
pull1D
Entries 84
Mean 0.02797
Std Dev 0.9604

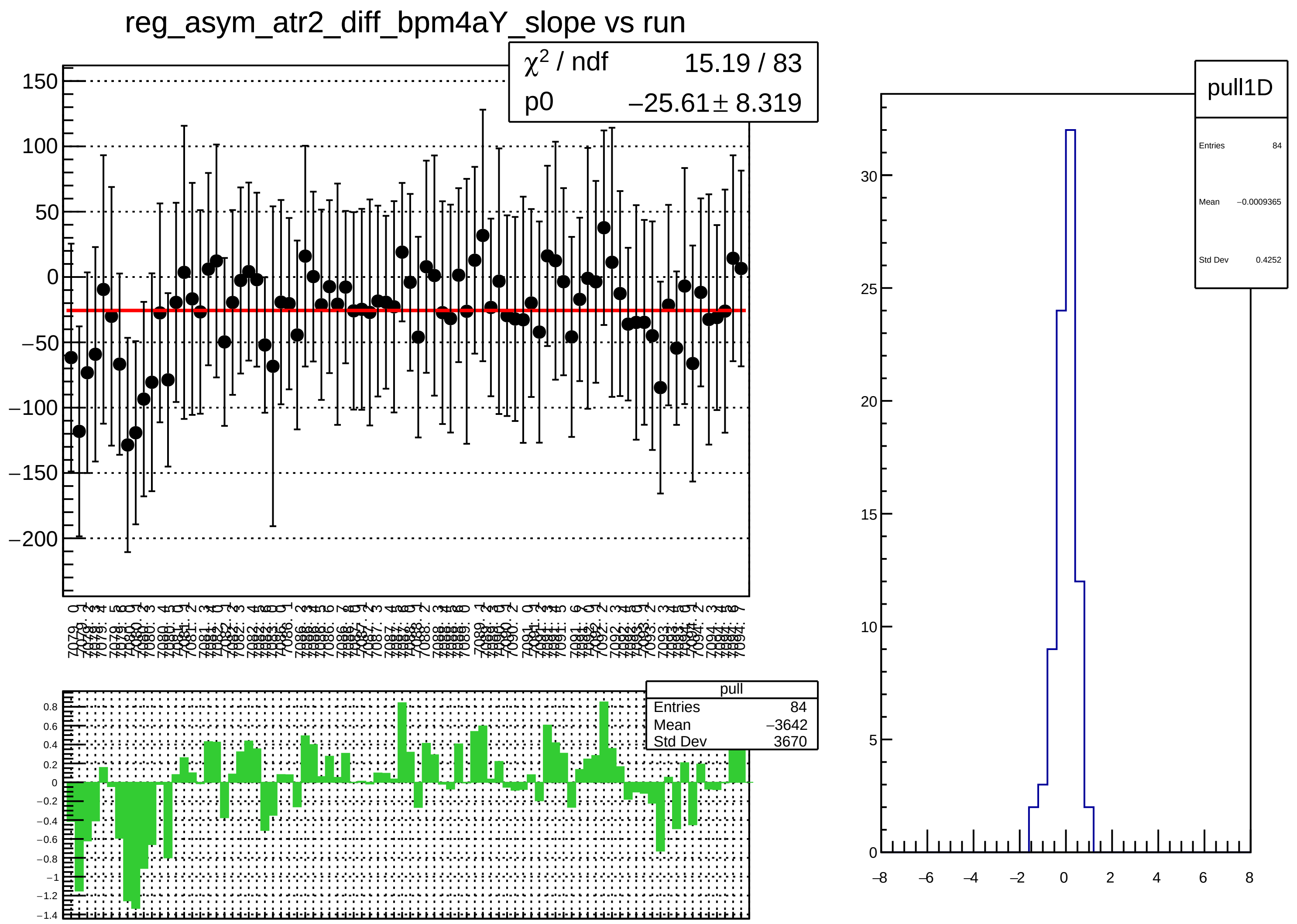


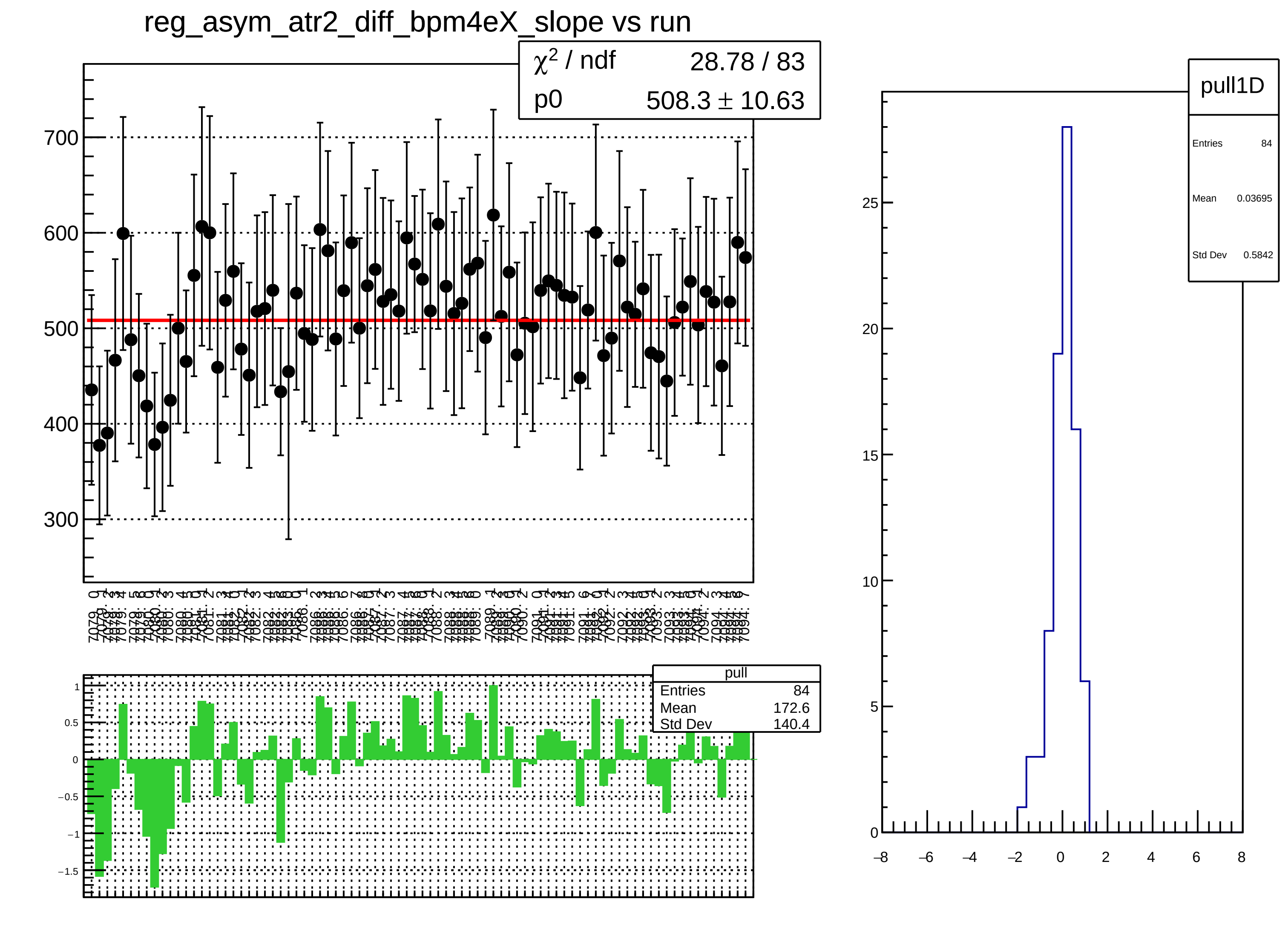
reg_asym_atr1_diff_bpm4eY_slope vs run
χ2 / ndf 75.59 / 83
p0 −14.58 ± 2.235
pull
Entries 84
Mean 439.2
Std Dev 396.5
pull1D
Entries 84
Mean 0.01697
Std Dev 0.9484



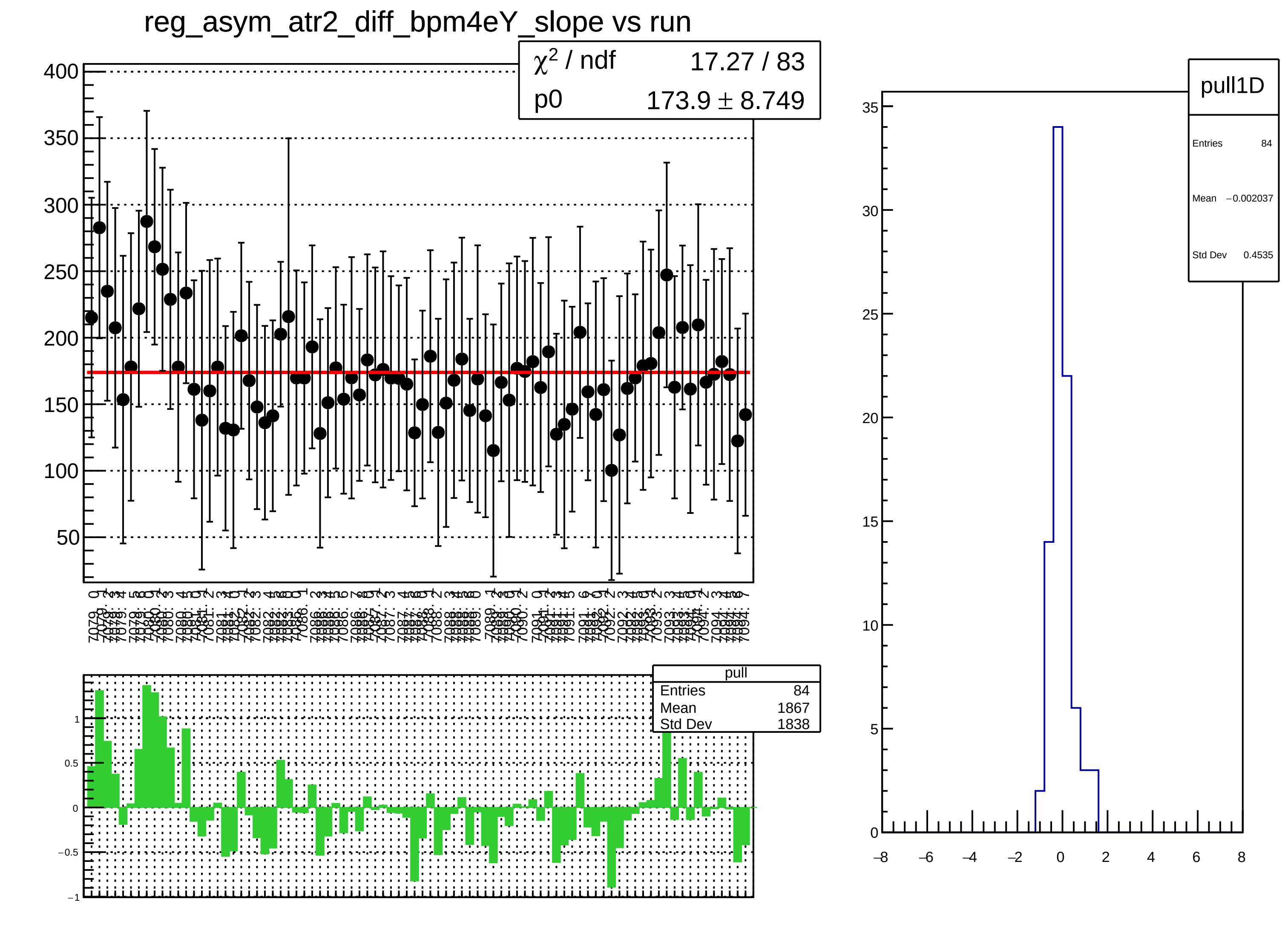
reg_asym_atr1_diff_bpm12X_slope vs run
χ2 / ndf 744.1 / 83
p0 −19.03 ± 0.1067
pull
Entries 84
Mean 1175
Std Dev 1138
pull1D
Entries 84
Mean −0.04771
Std Dev 2.976


reg_asym_atr2_diff_bpm1X_slope vs run
χ2 / ndf 29.63 / 83
p0 −420.5 ± 11.01
pull
Entries 84
Mean 179.9
Std Dev 148.2
pull1D
Entries 84
Mean −0.0358
Std Dev 0.5929

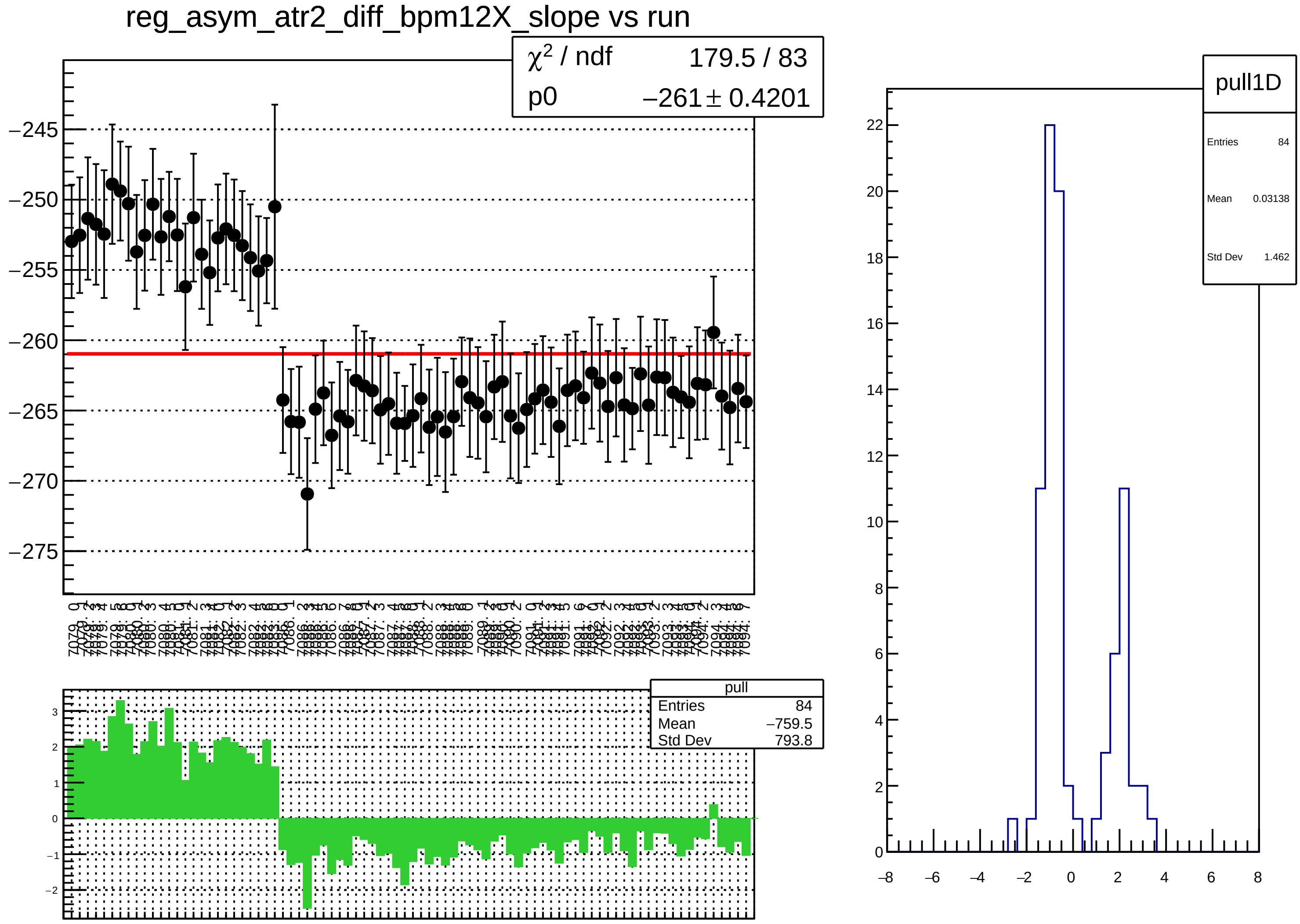

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 15.19 / 83
p0 −25.61 ± 8.319
pull
Entries 84
Mean −3642
Std Dev 3670
pull1D
Entries 84
Mean −0.0009365
Std Dev 0.4252

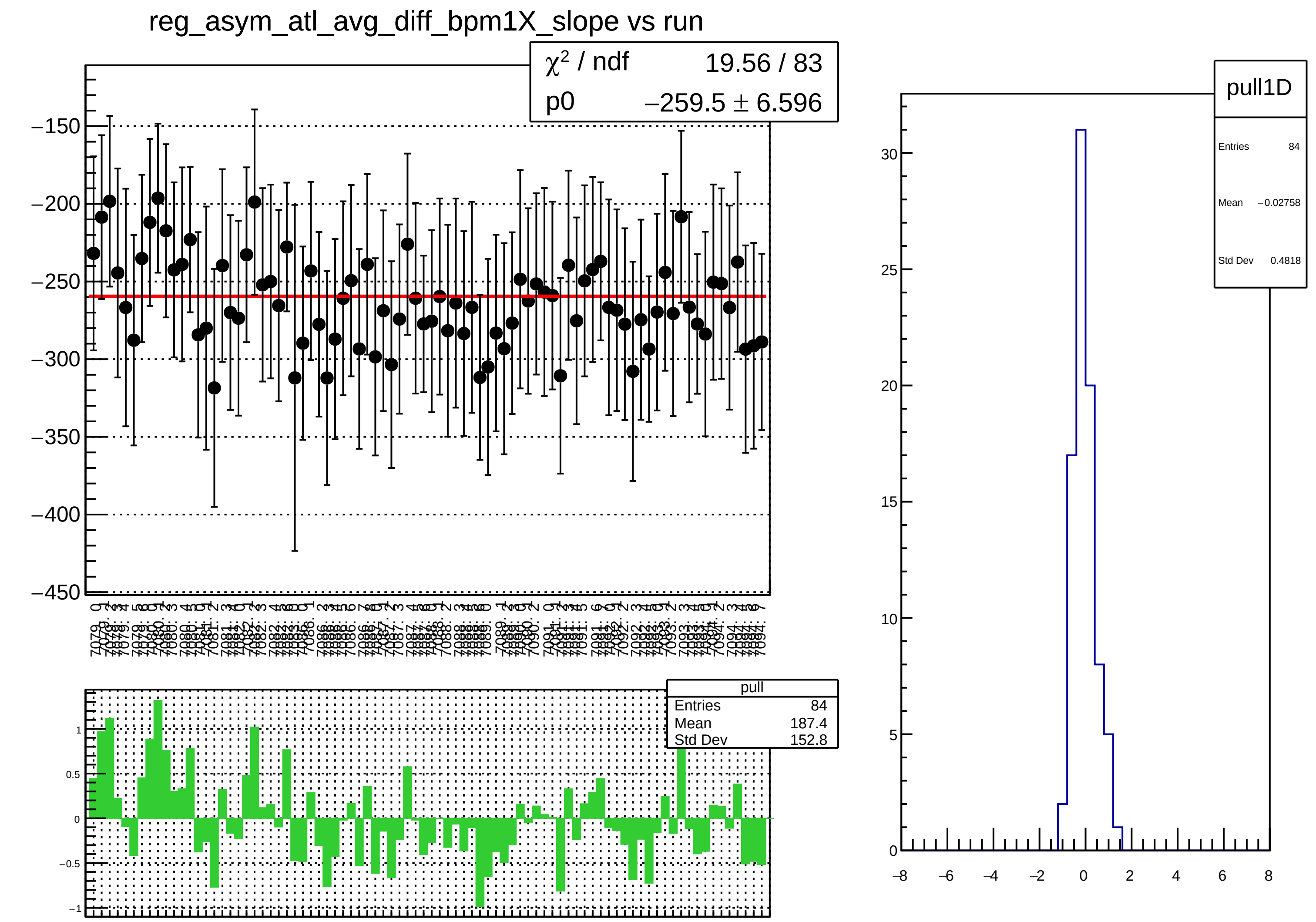


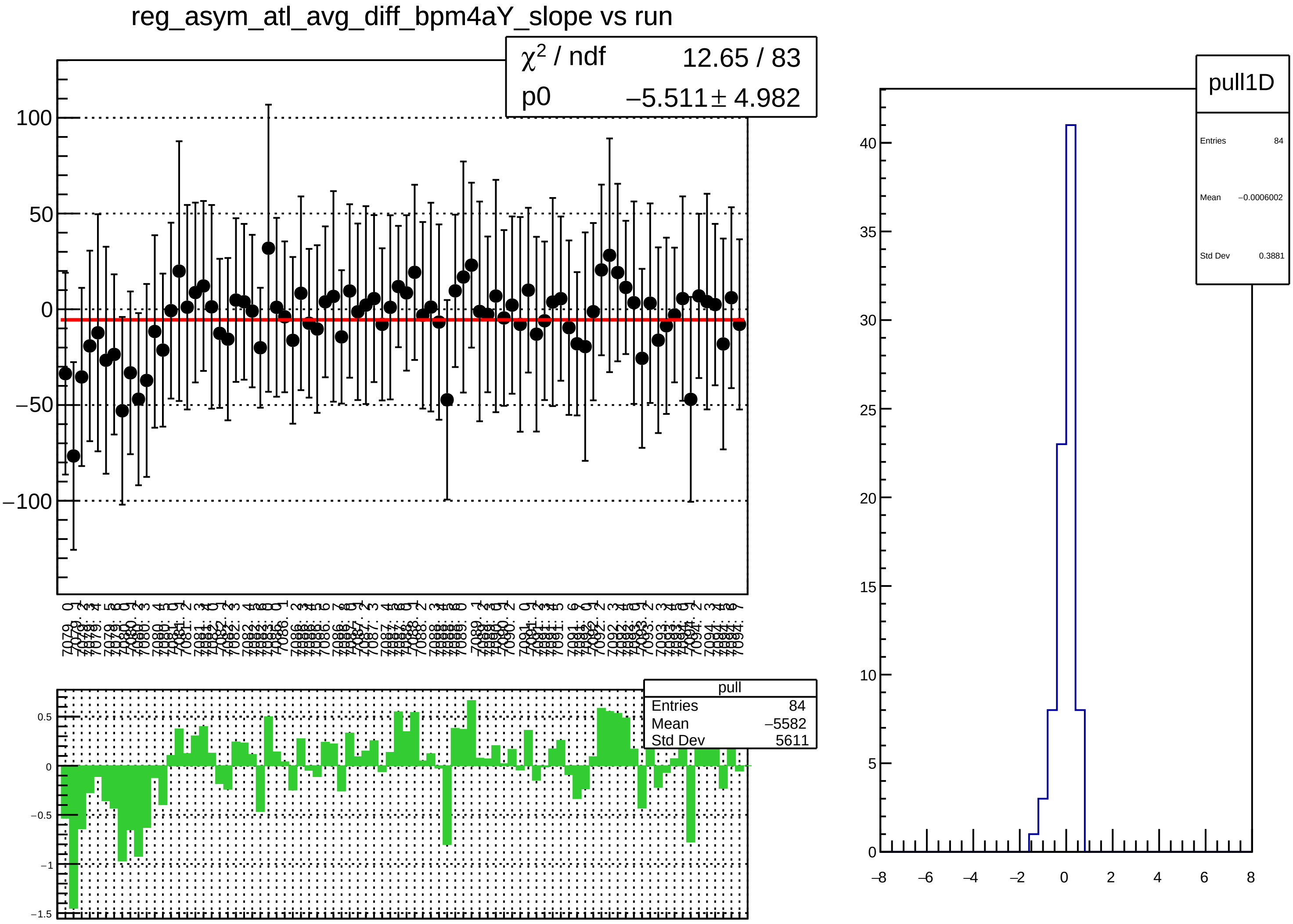
reg_asym_atr2_diff_bpm4eX_slope vs run
χ2 / ndf 28.78 / 83
p0 508.3 ± 10.63
pull
Entries 84
Mean 172.6
Std Dev 140.4
pull1D
Entries 84
Mean 0.03695
Std Dev 0.5842



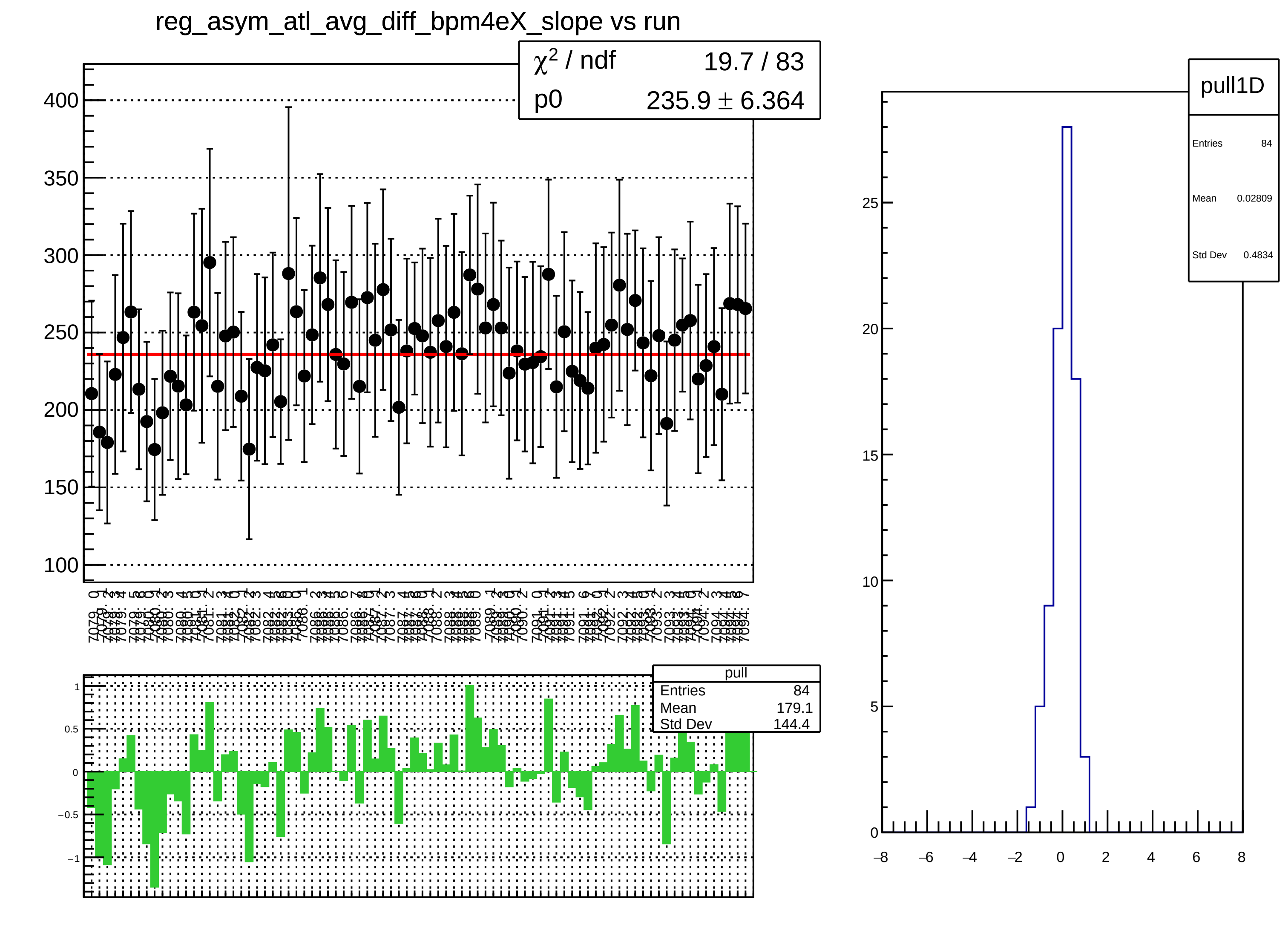
reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 17.27 / 83
p0 173.9 ± 8.749
pull
Entries 84
Mean 1867
Std Dev 1838
pull1D
Entries 84
Mean −0.002037
Std Dev 0.4535


reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 179.5 / 83
p0 −261 ± 0.4201
pull
Entries 84
Mean −759.5
Std Dev 793.8
pull1D
Entries 84
Mean 0.03138
Std Dev 1.462

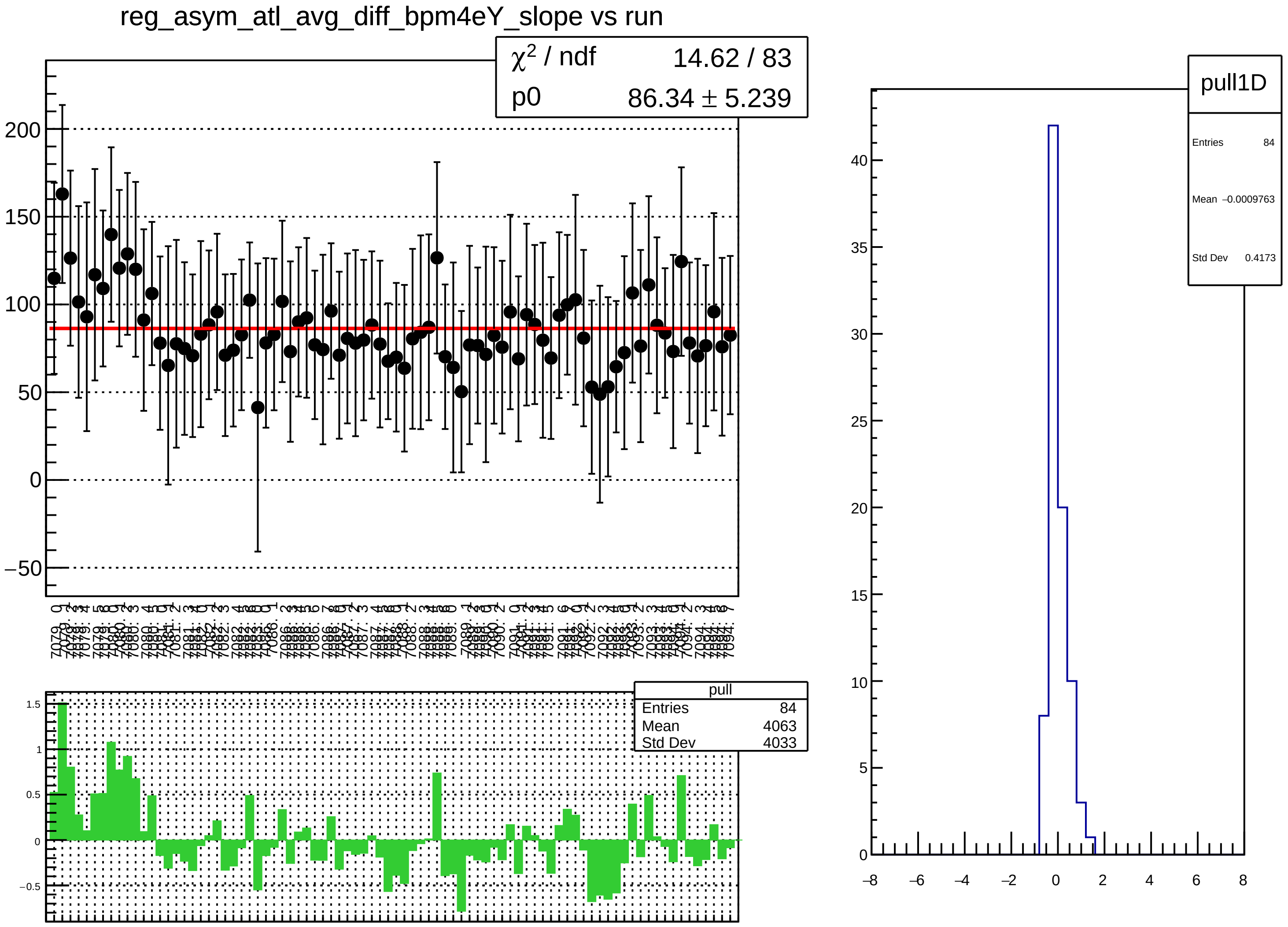

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 19.56 / 83
p0 −259.5 ± 6.596
pull
Entries 84
Mean 187.4
Std Dev 152.8
pull1D
Entries 84
Mean −0.02758
Std Dev 0.4818



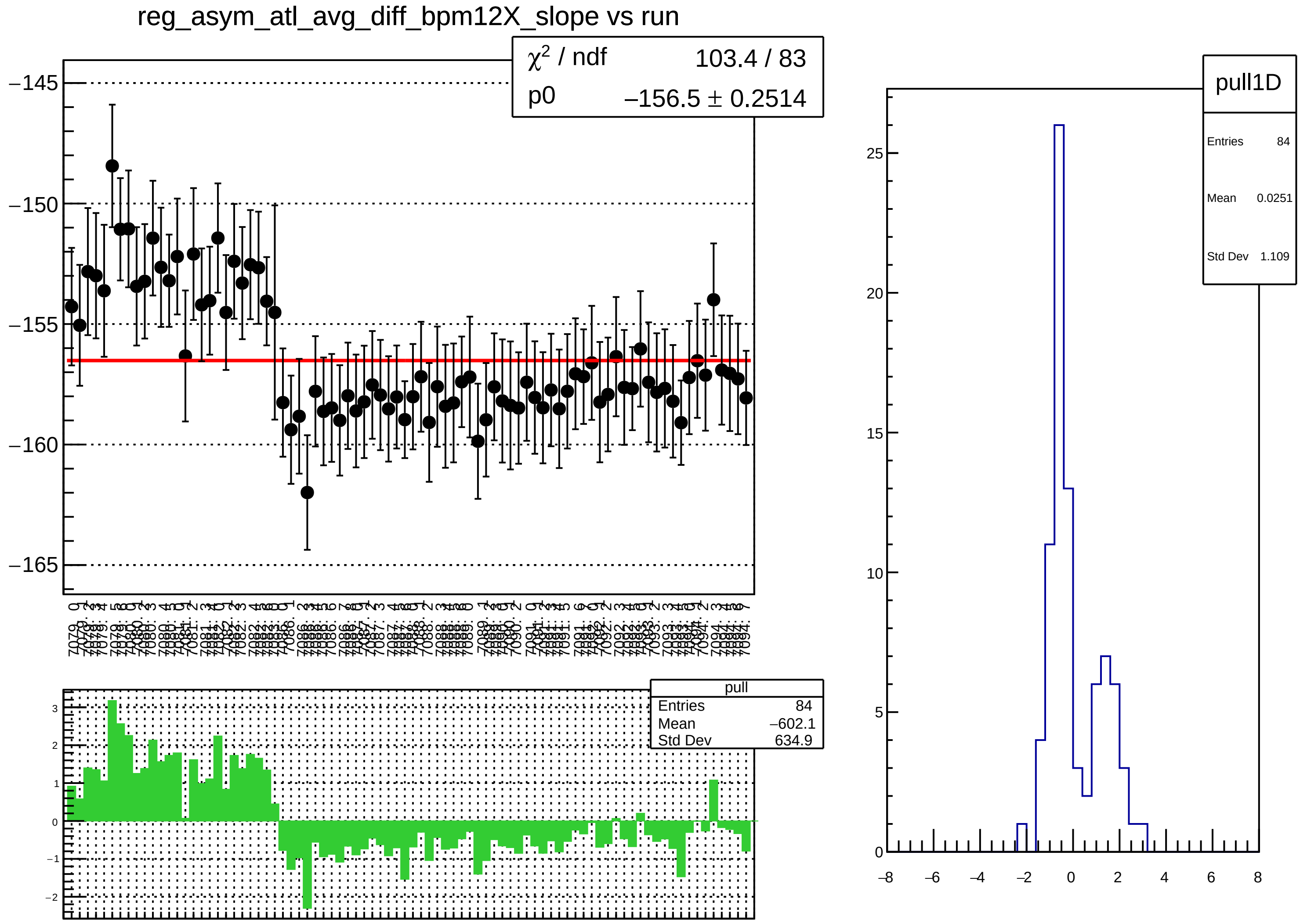
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.65 / 83
p0 −5.511 ± 4.982
pull
Entries 84
Mean −5582
Std Dev 5611
pull1D
Entries 84
Mean −0.0006002
Std Dev 0.3881

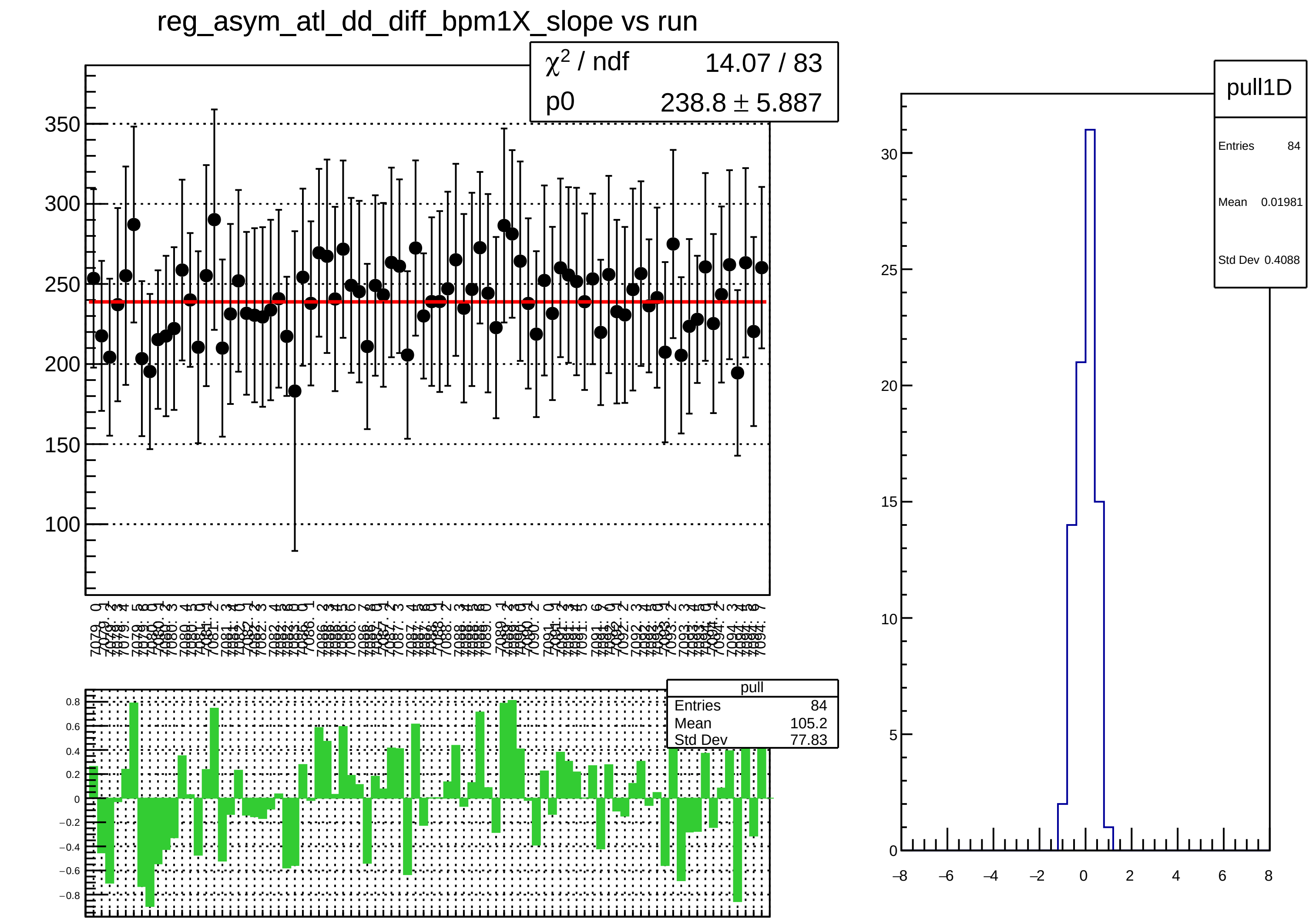


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 19.7 / 83
p0 235.9 ± 6.364
pull
Entries 84
Mean 179.1
Std Dev 144.4
pull1D
Entries 84
Mean 0.02809
Std Dev 0.4834



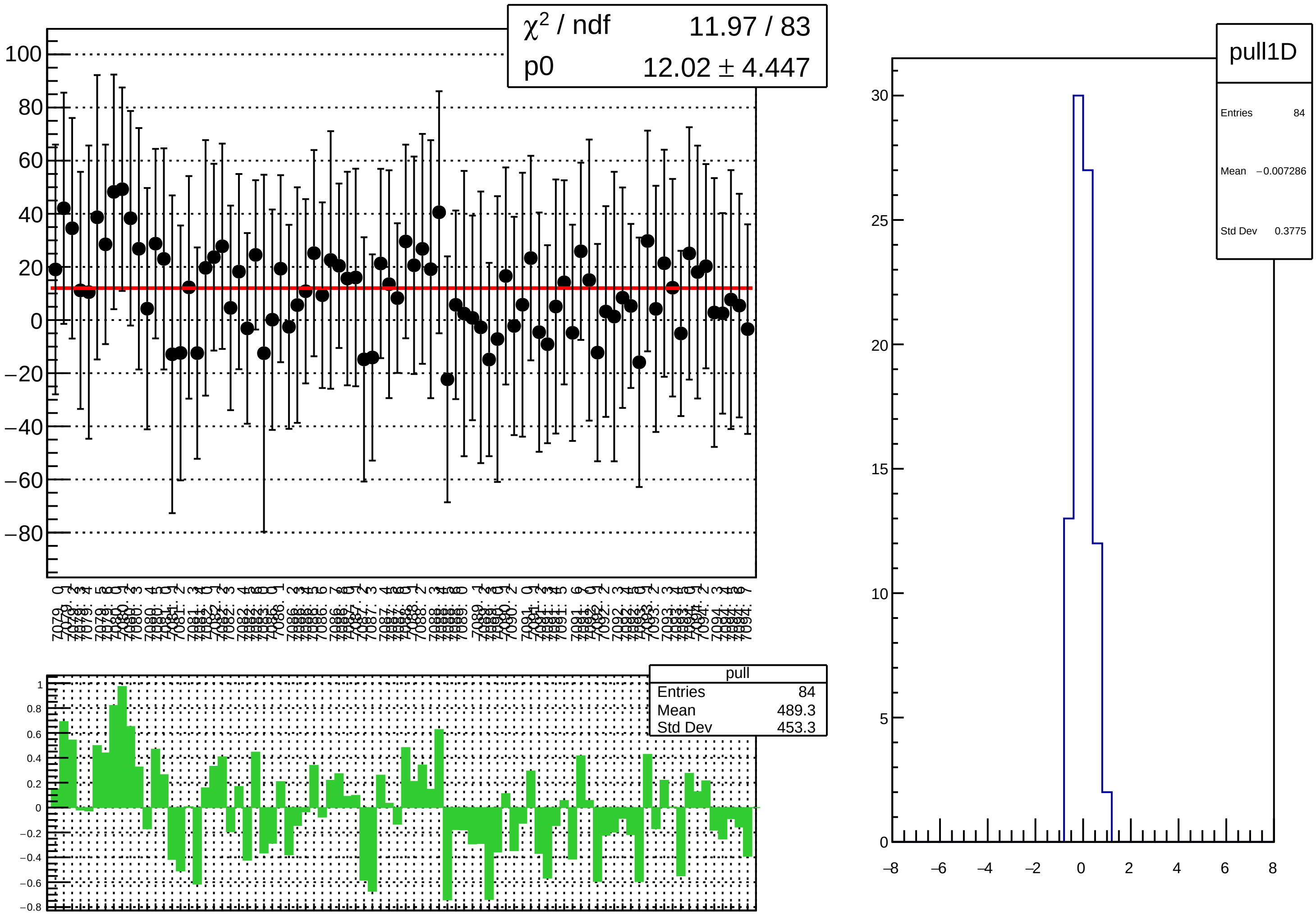
reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.62 / 83
p0 86.34 ± 5.239
pull
Entries 84
Mean 4063
Std Dev 4033
pull1D
Entries 84
Mean −0.0009763
Std Dev 0.4173

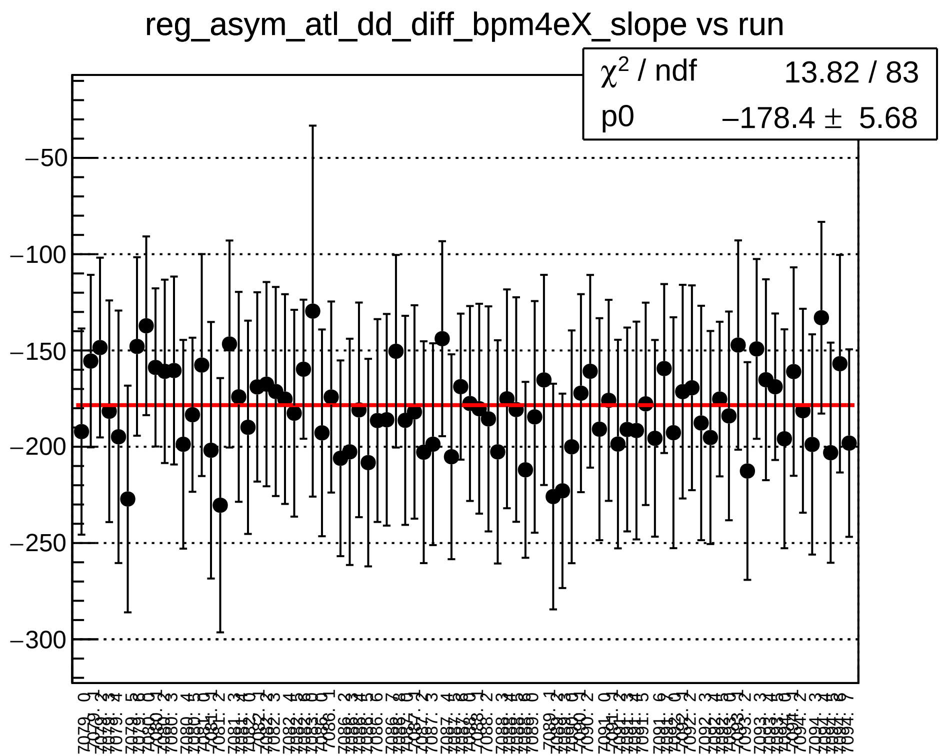

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ2 / ndf 103.4 / 83
p0 −156.5 ± 0.2514
pull
Entries 84
Mean −602.1
Std Dev 634.9
pull1D
Entries 84
Mean 0.0251
Std Dev 1.109

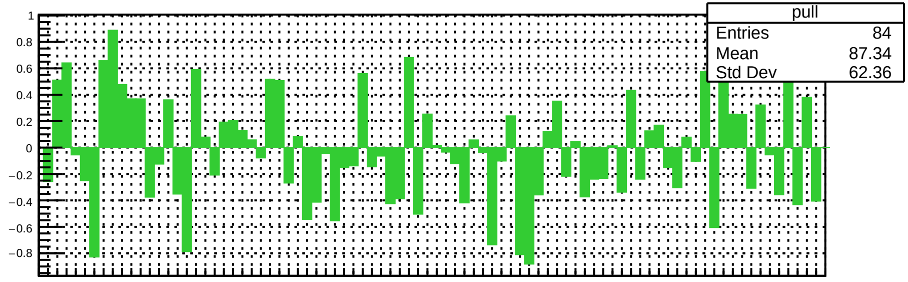


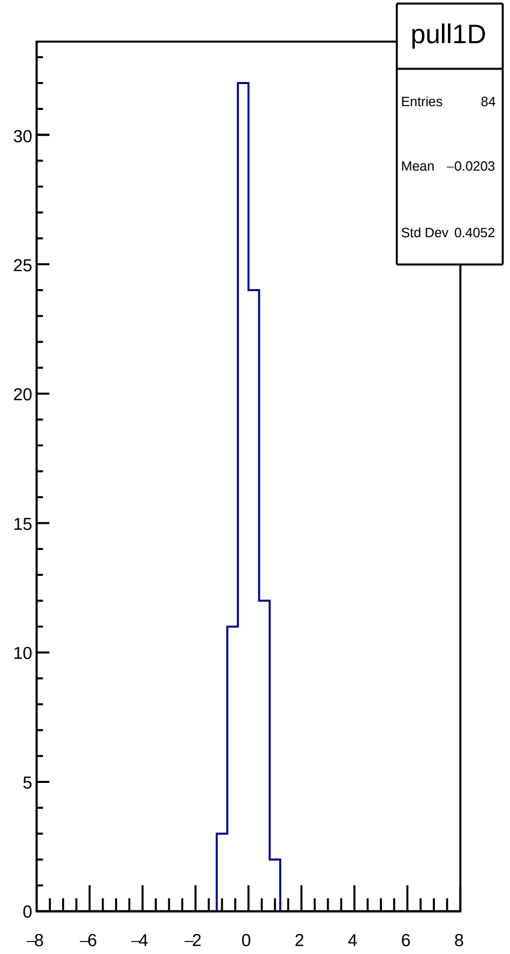
reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.07 / 83
p0 238.8 ± 5.887
pull
Entries 84
Mean 105.2
Std Dev 77.83
pull1D
Entries 84
Mean 0.01981
Std Dev 0.4088

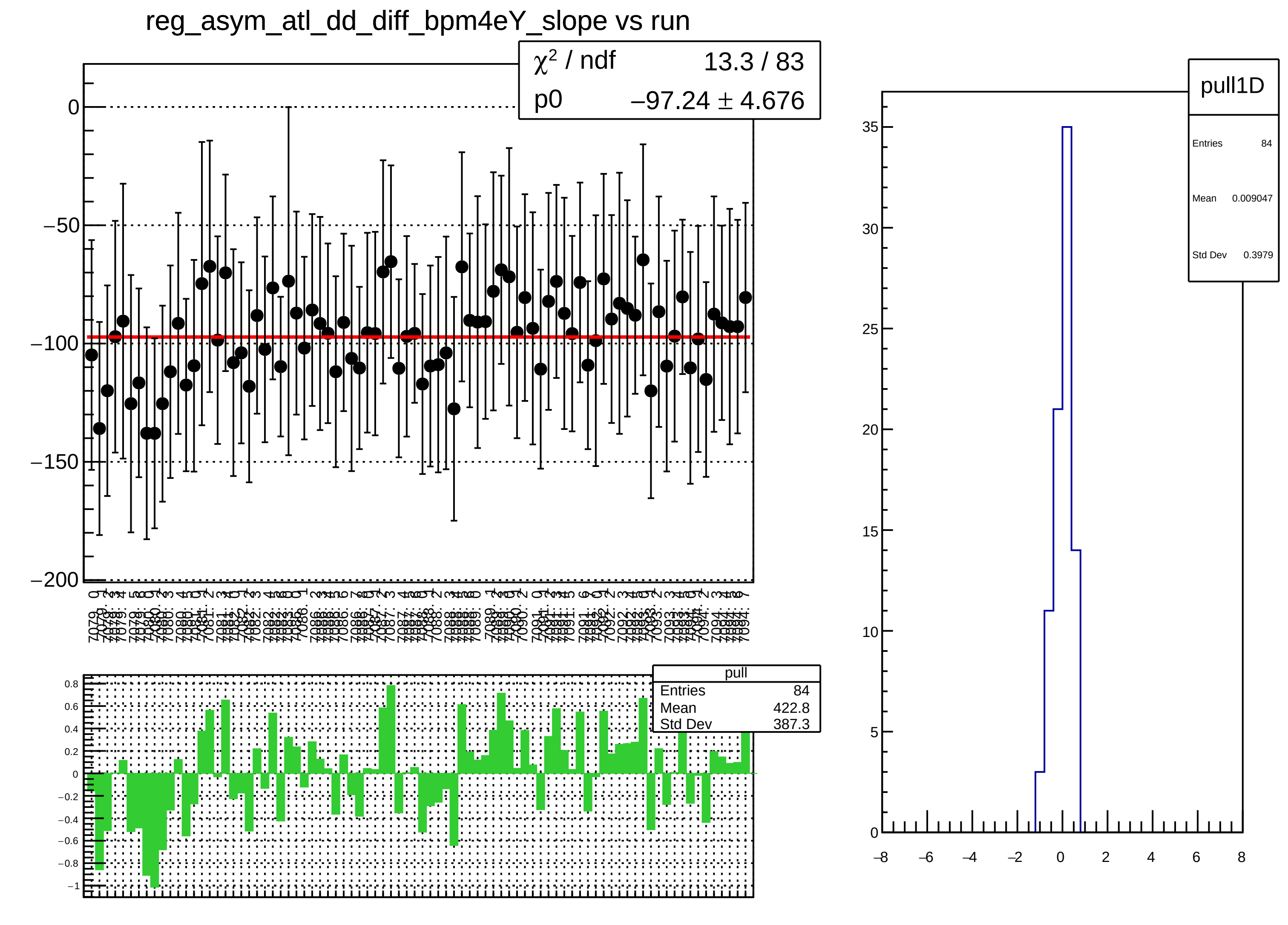
reg_asym_atl_dd_diff_bpm4aY_slope vs run



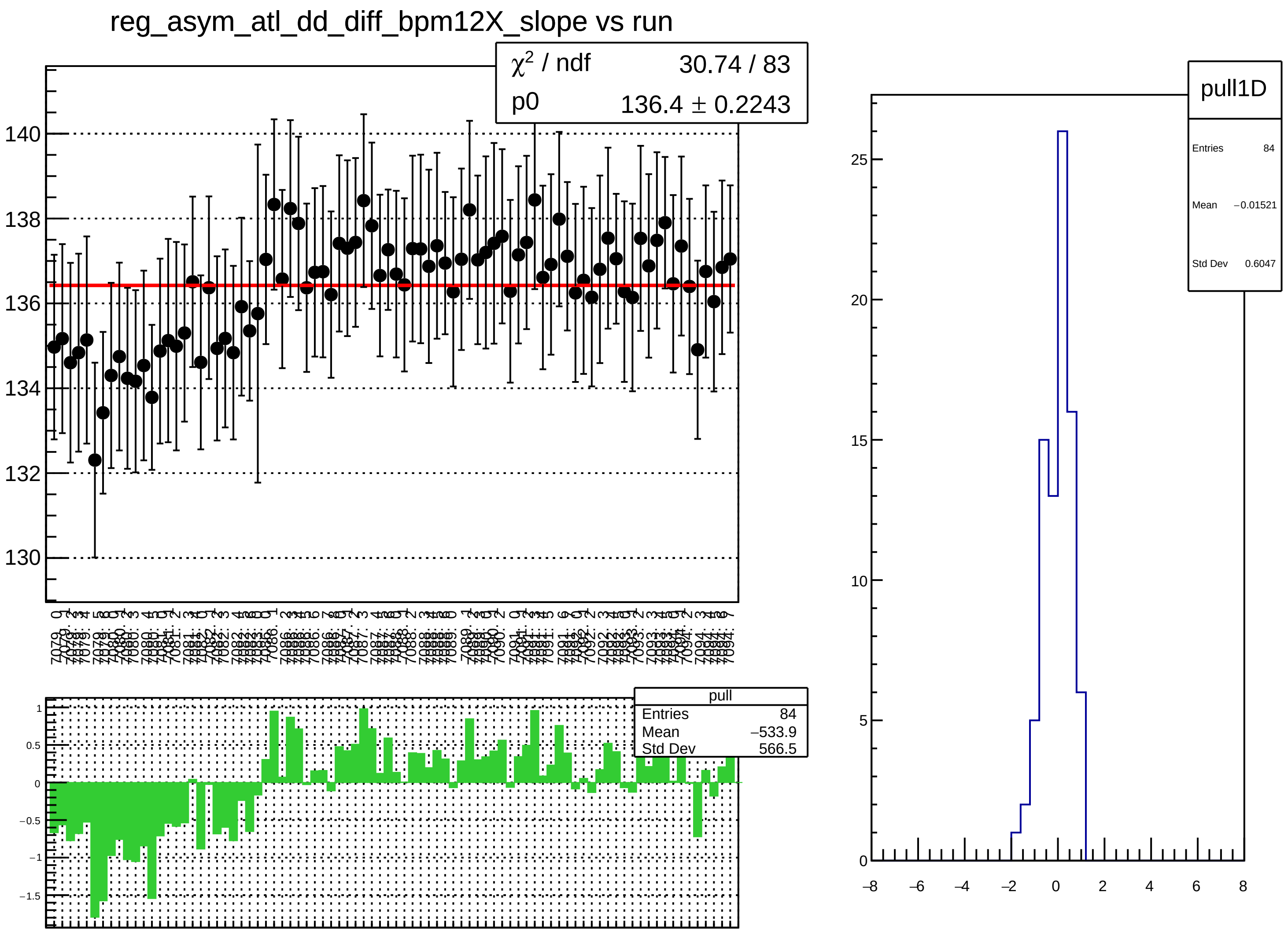

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 13.82 / 83
p0 −178.4 ± 5.68

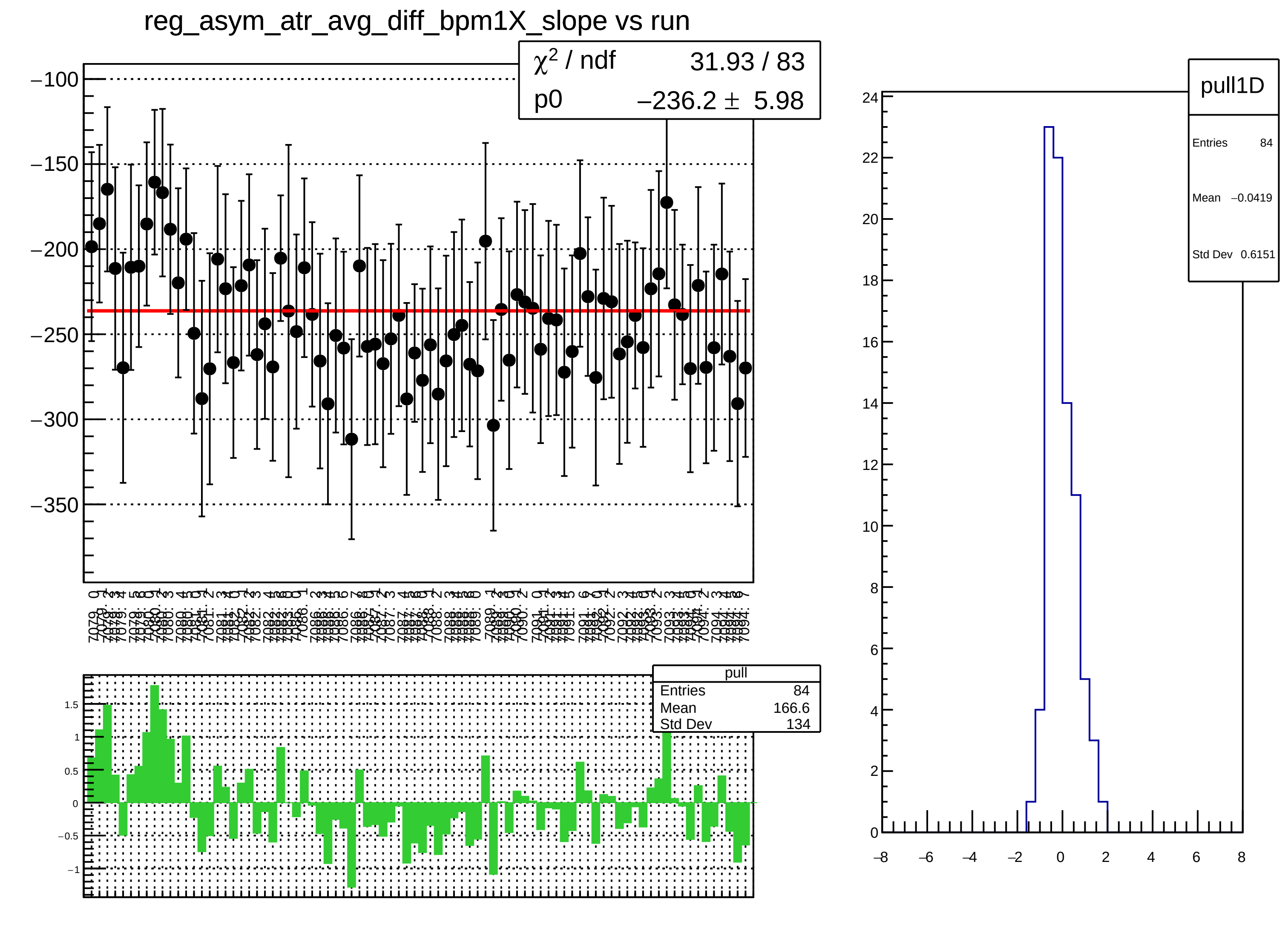

pull
Entries 84
Mean 87.34
Std Dev 62.36

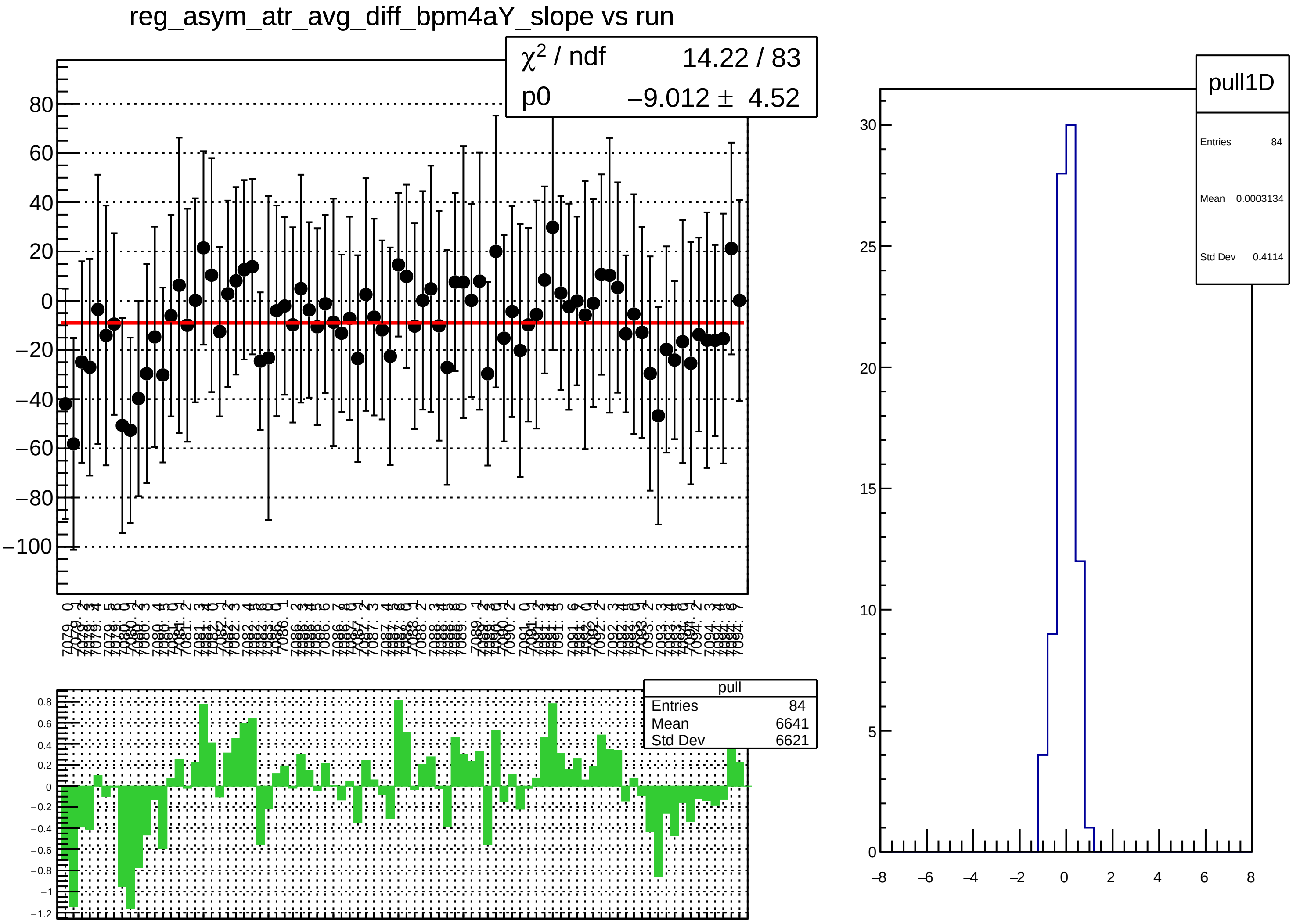

pull1D
Entries 84
Mean −0.0203
Std Dev 0.4052

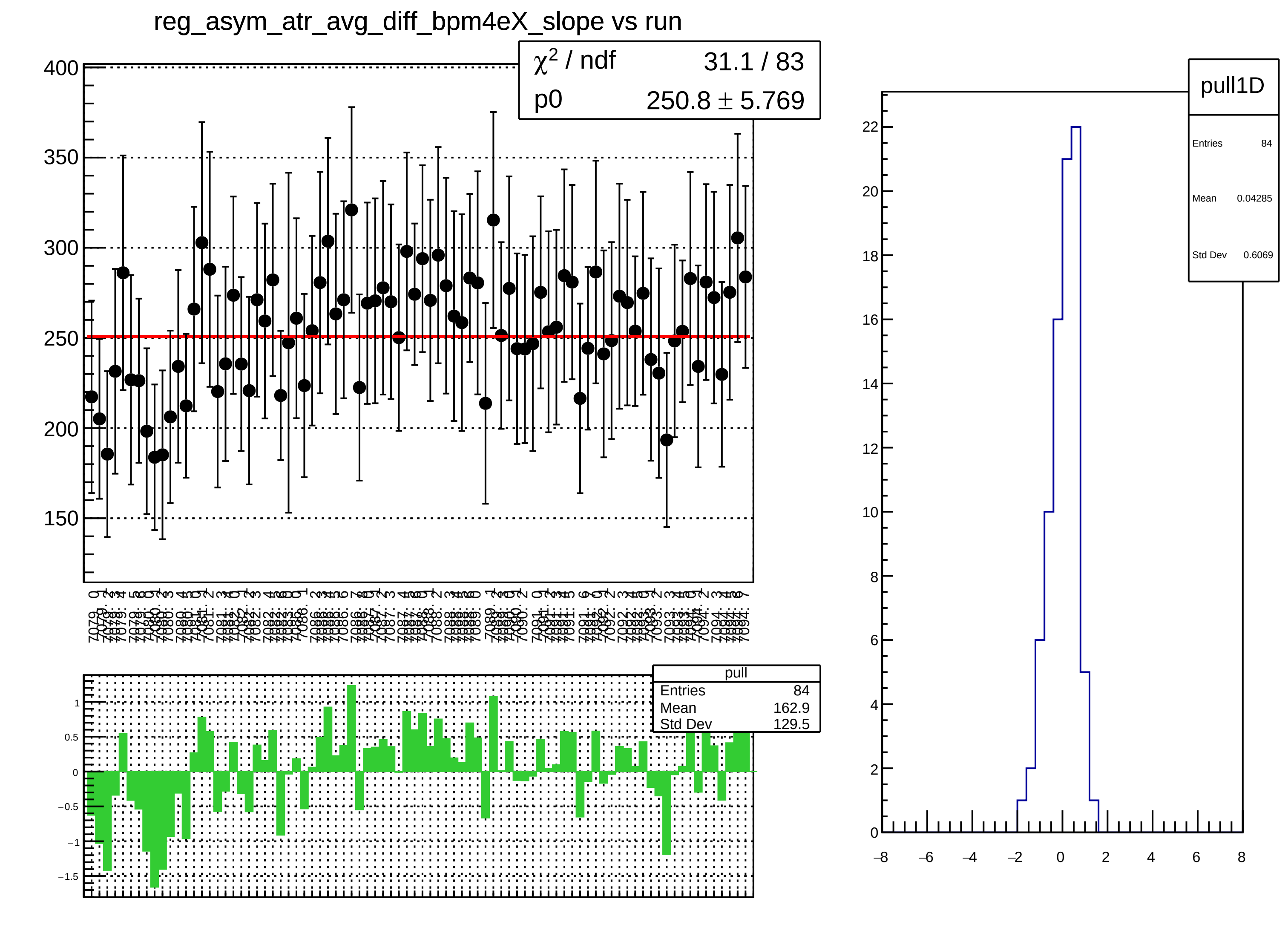


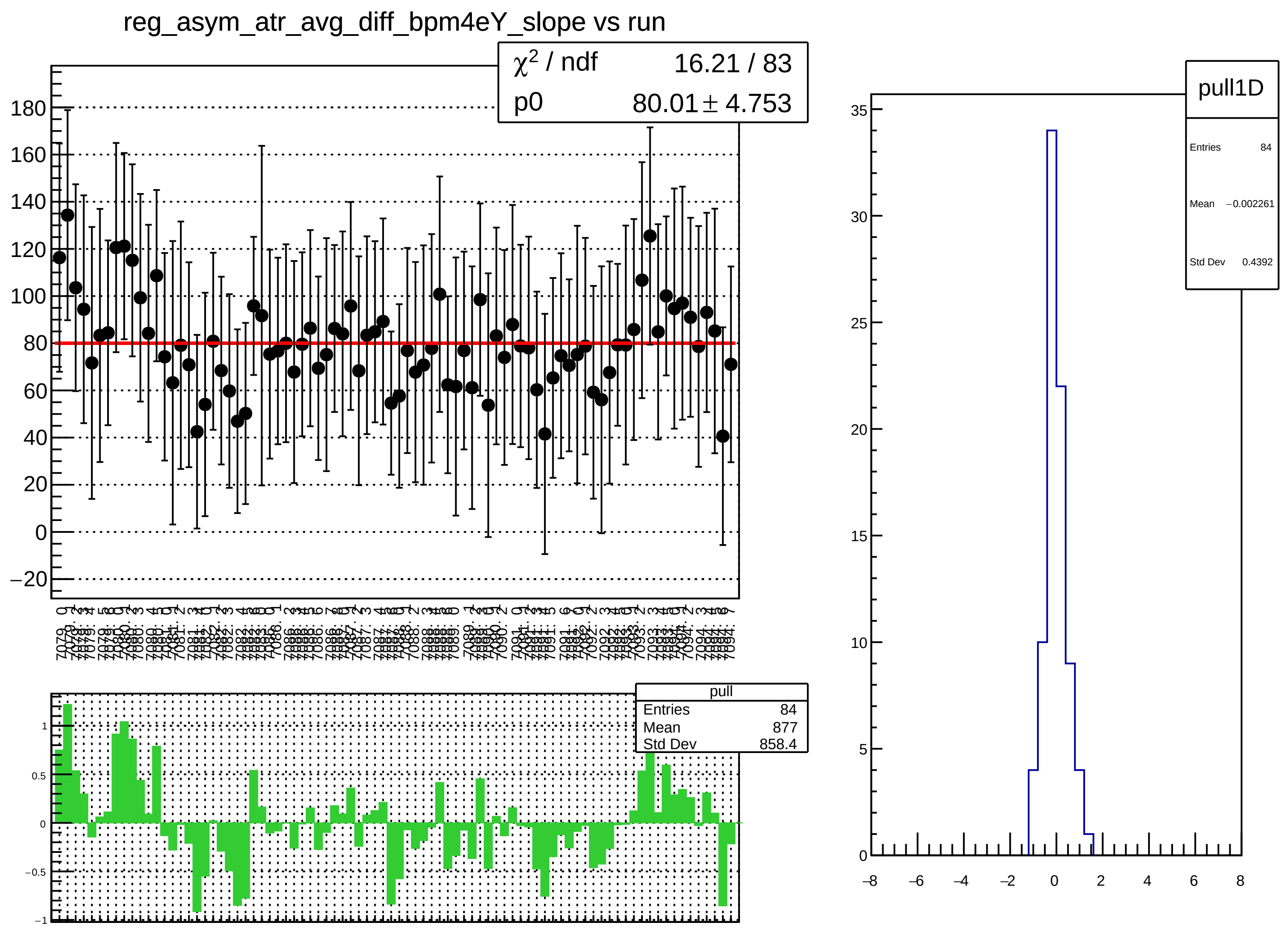
reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 13.3 / 83
p0 −97.24 ± 4.676
pull
Entries 84
Mean 422.8
Std Dev 387.3
pull1D
Entries 84
Mean 0.009047
Std Dev 0.3979


reg_asym_atl_dd_diff_bpm12X_slope vs run
χ2 / ndf 30.74 / 83
p0 136.4 ± 0.2243
pull1D
Entries 84
Mean −0.01521
Std Dev 0.6047
pull
Entries 84
Mean −533.9
Std Dev 566.5

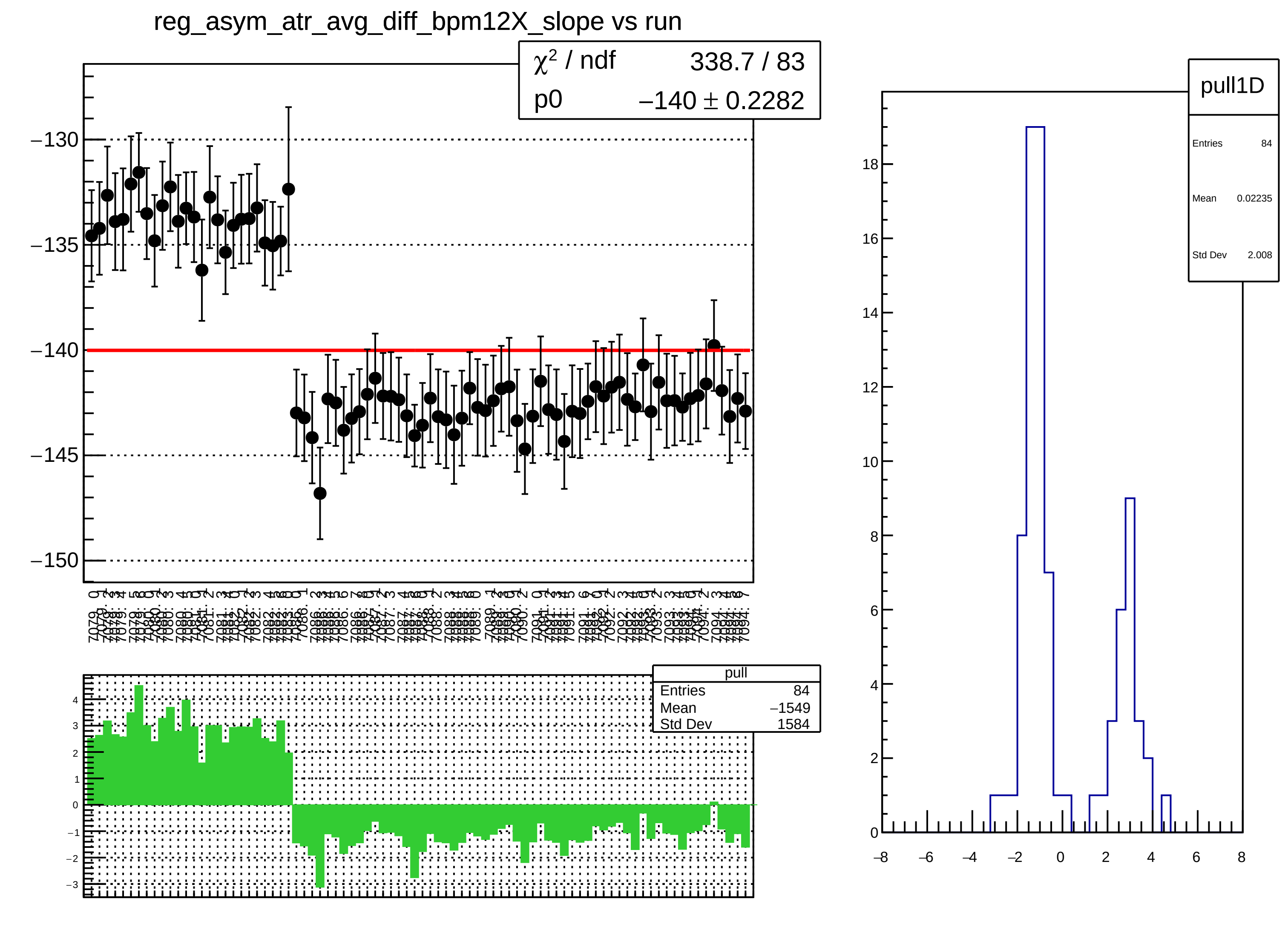

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 31.93 / 83
p0 −236.2 ± 5.98
pull
Entries 84
Mean 166.6
Std Dev 134
pull1D
Entries 84
Mean −0.0419
Std Dev 0.6151

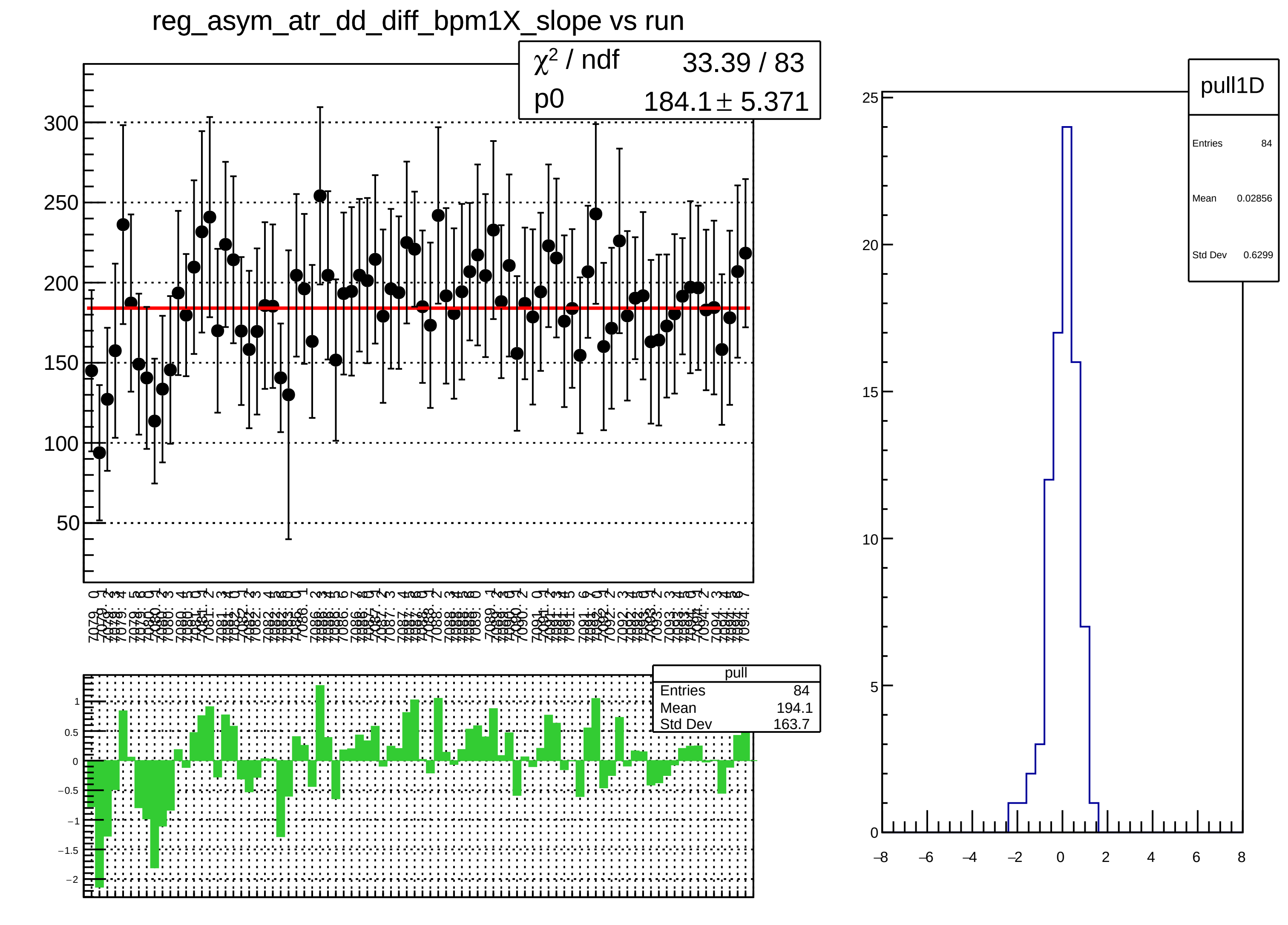

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 14.22 / 83
p0 −9.012 ± 4.52
pull
Entries 84
Mean 6641
Std Dev 6621
pull1D
Entries 84
Mean 0.0003134
Std Dev 0.4114


reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.1 / 83
p0 250.8 ± 5.769
pull
Entries 84
Mean 162.9
Std Dev 129.5
pull1D
Entries 84
Mean 0.04285
Std Dev 0.6069

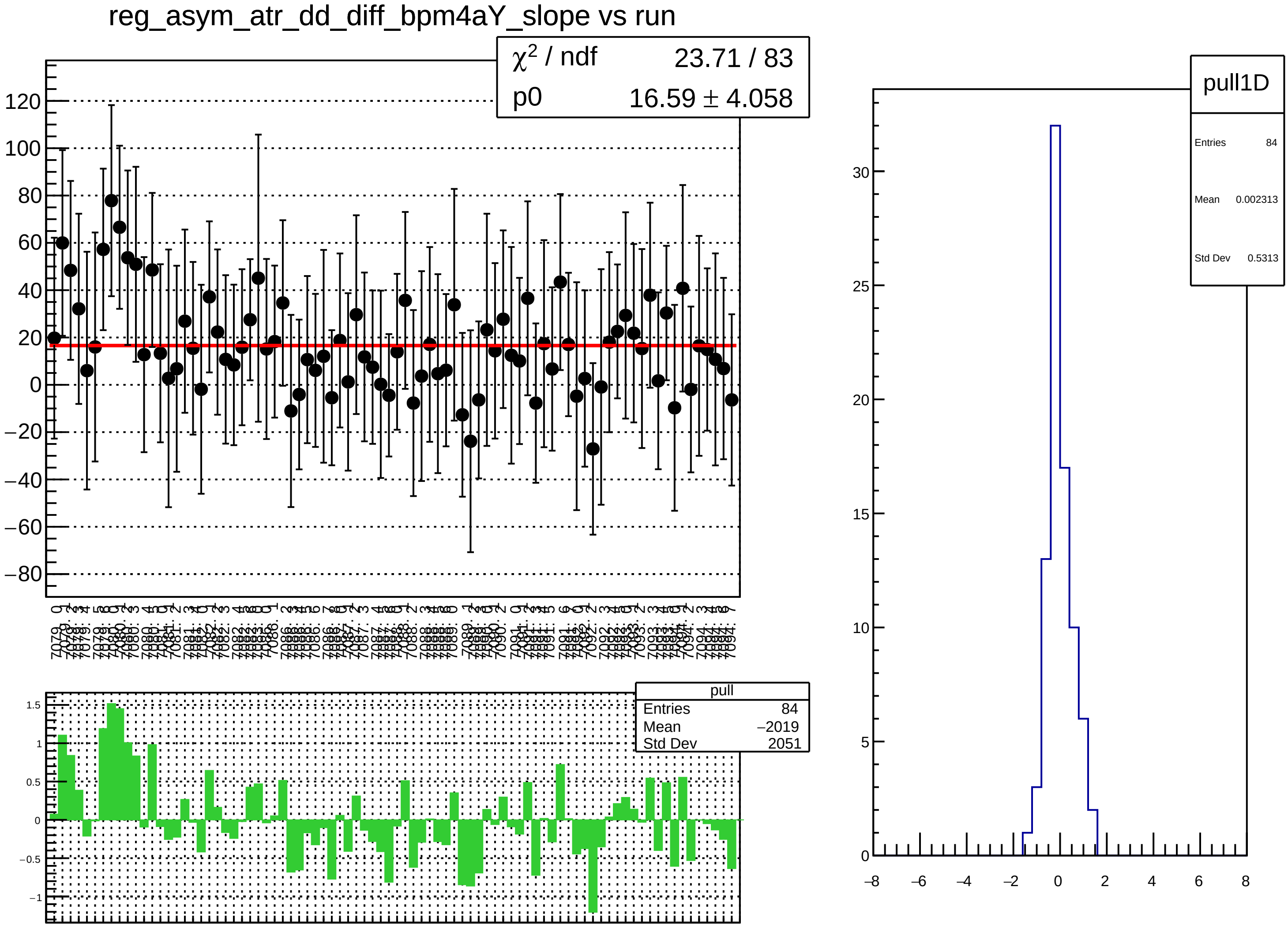


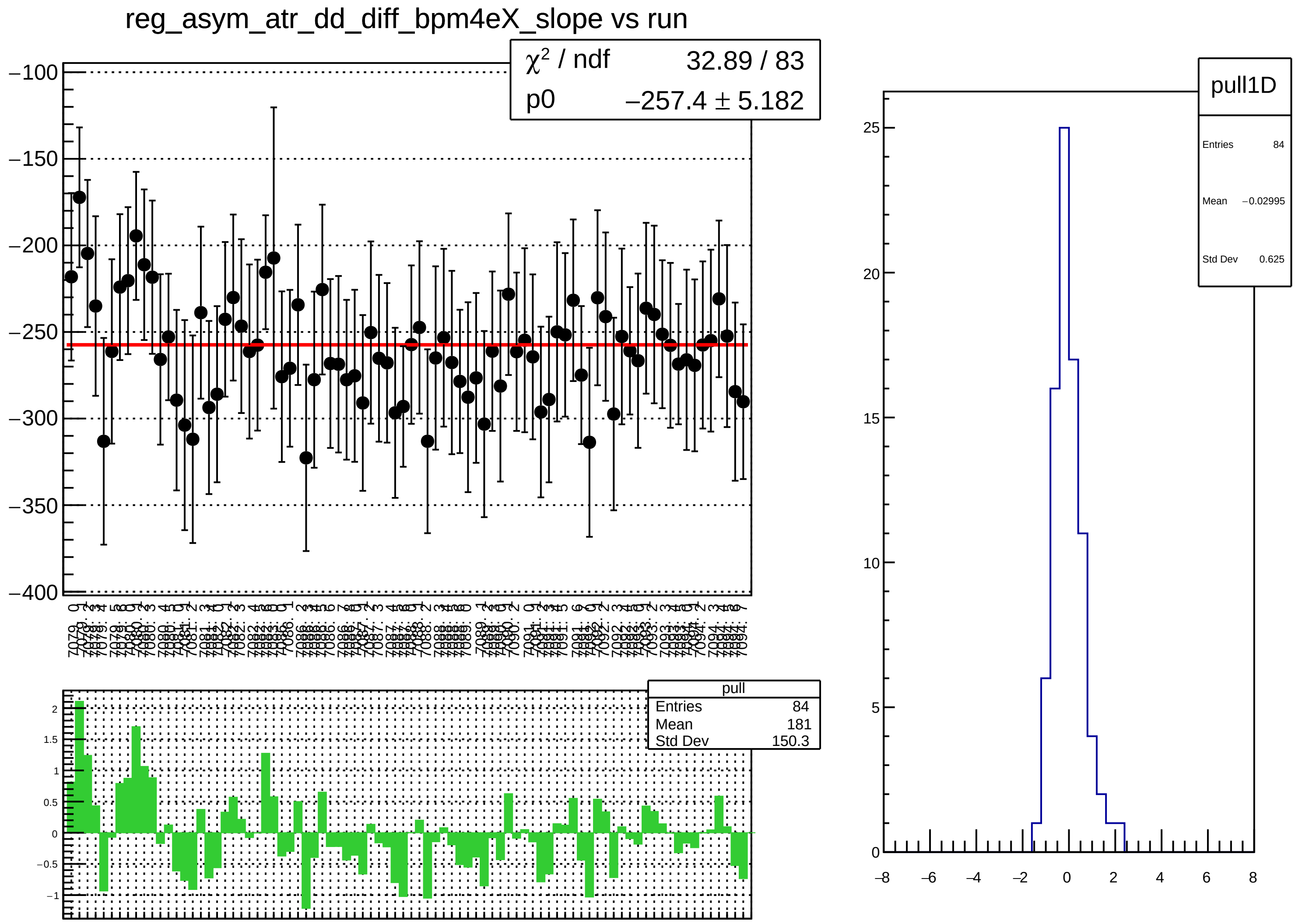
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 16.21 / 83
p0 80.01 ± 4.753
pull
Entries 84
Mean 877
Std Dev 858.4
pull1D
Entries 84
Mean −0.002261
Std Dev 0.4392


reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 338.7 / 83
p0 −140 ± 0.2282
−130
−135
−140
−145
−150
pull
Entries 84
Mean −1549
Std Dev 1584
4
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.02235
Std Dev 2.008
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

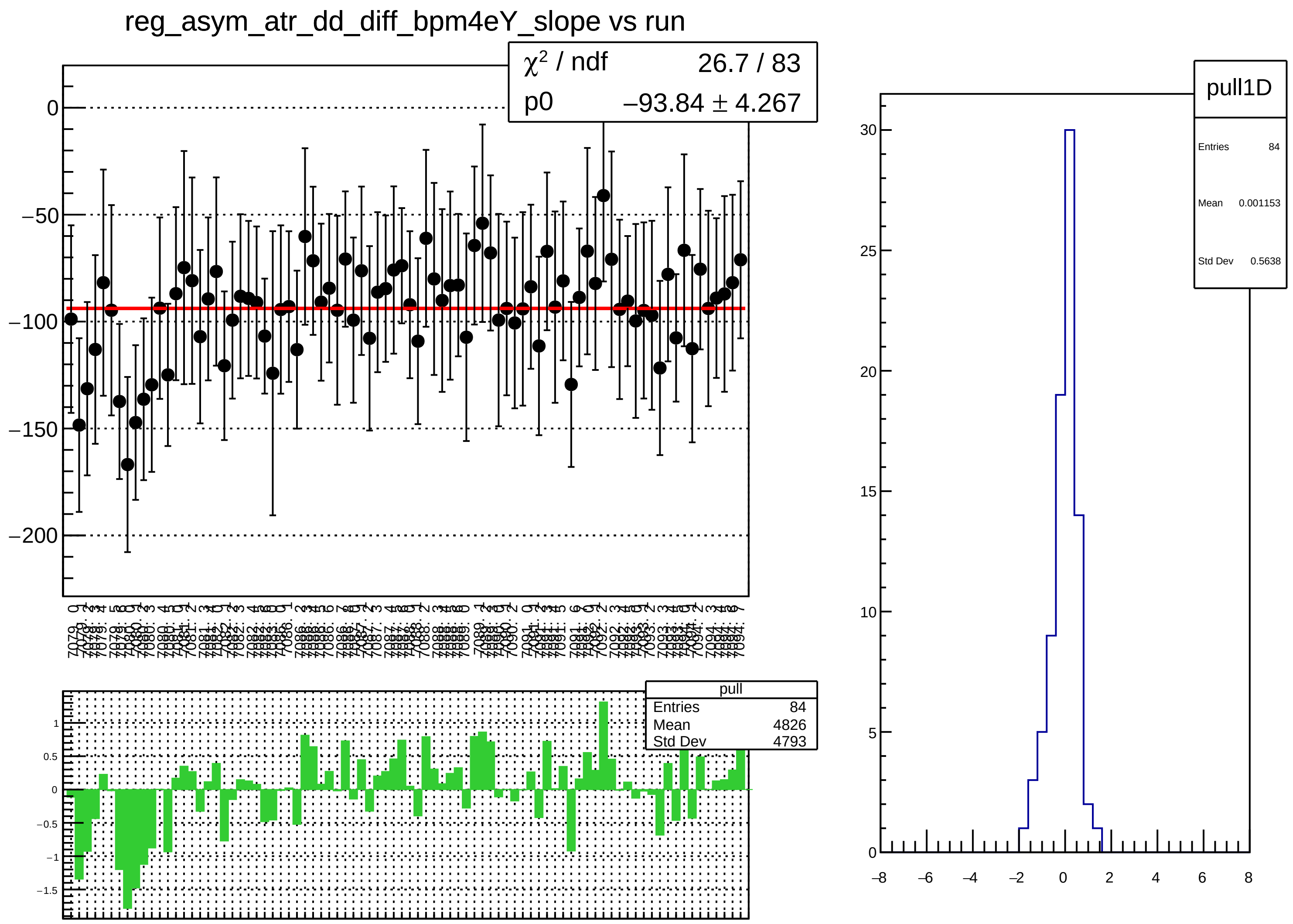


reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 33.39 / 83
p0 184.1 ± 5.371
pull
Entries 84
Mean 194.1
Std Dev 163.7
pull1D
Entries 84
Mean 0.02856
Std Dev 0.6299

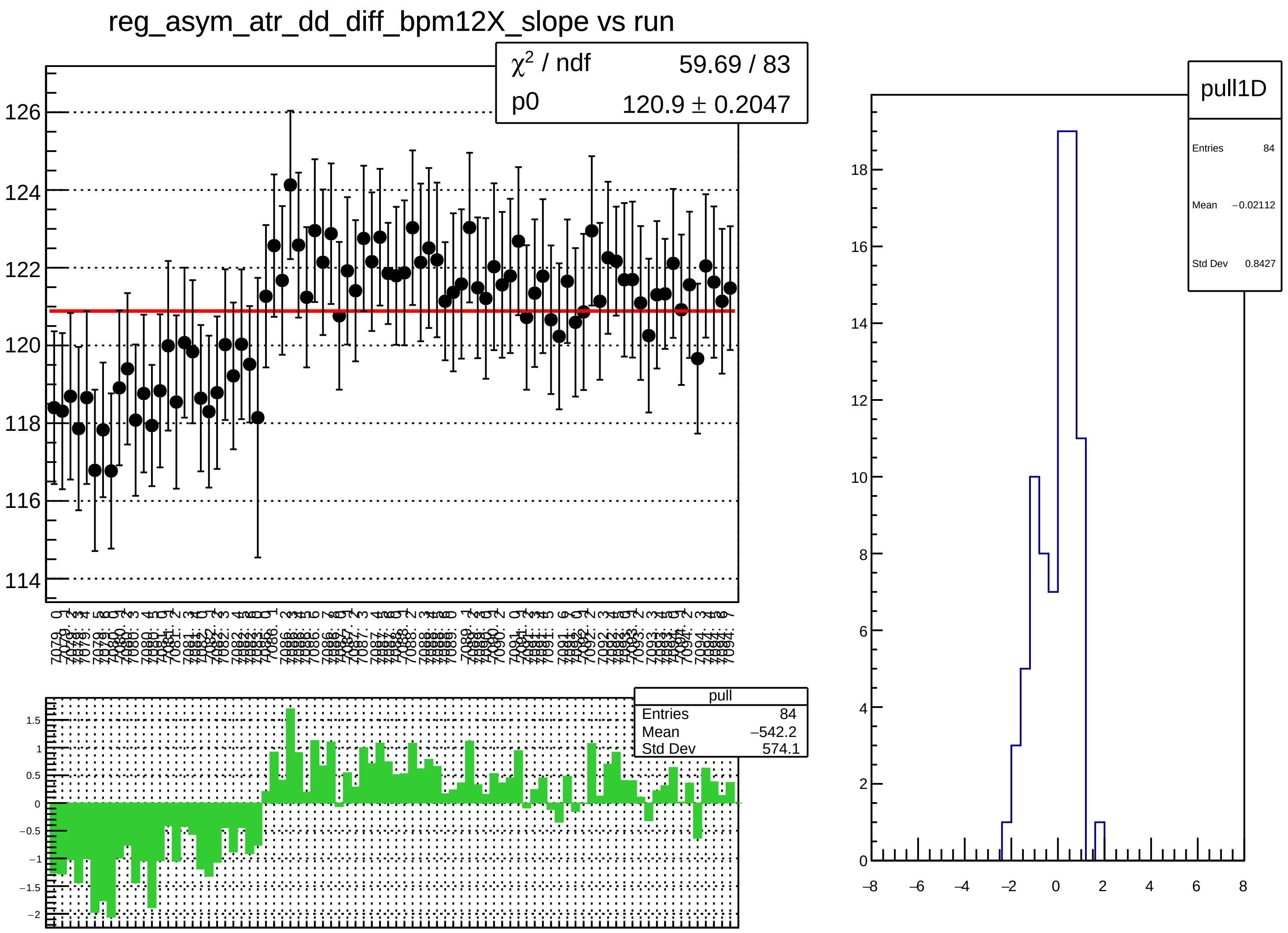

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ2 / ndf 23.71 / 83
p0 16.59 ± 4.058
pull
Entries 84
Mean −2019
Std Dev 2051
pull1D
Entries 84
Mean 0.002313
Std Dev 0.5313

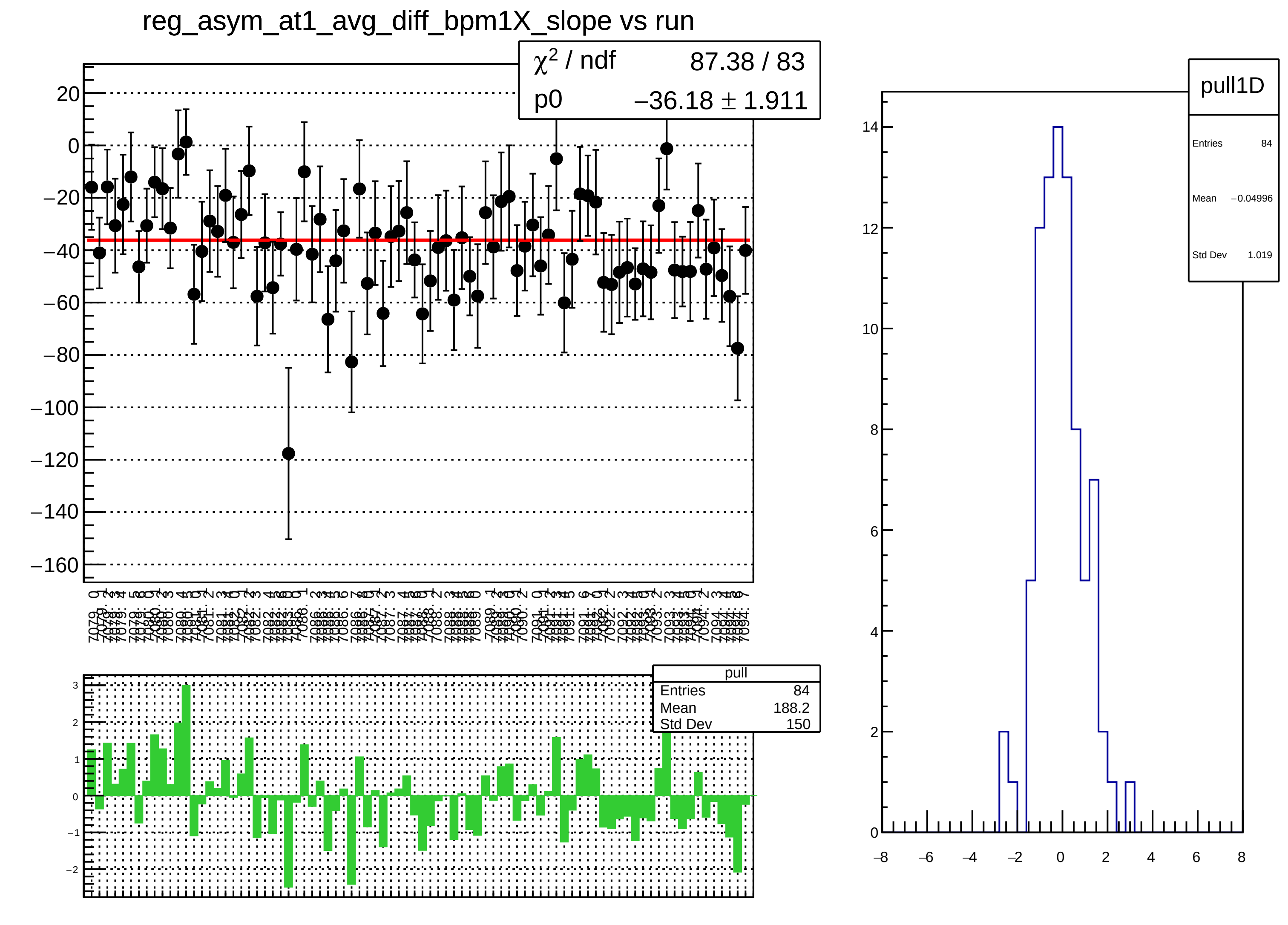


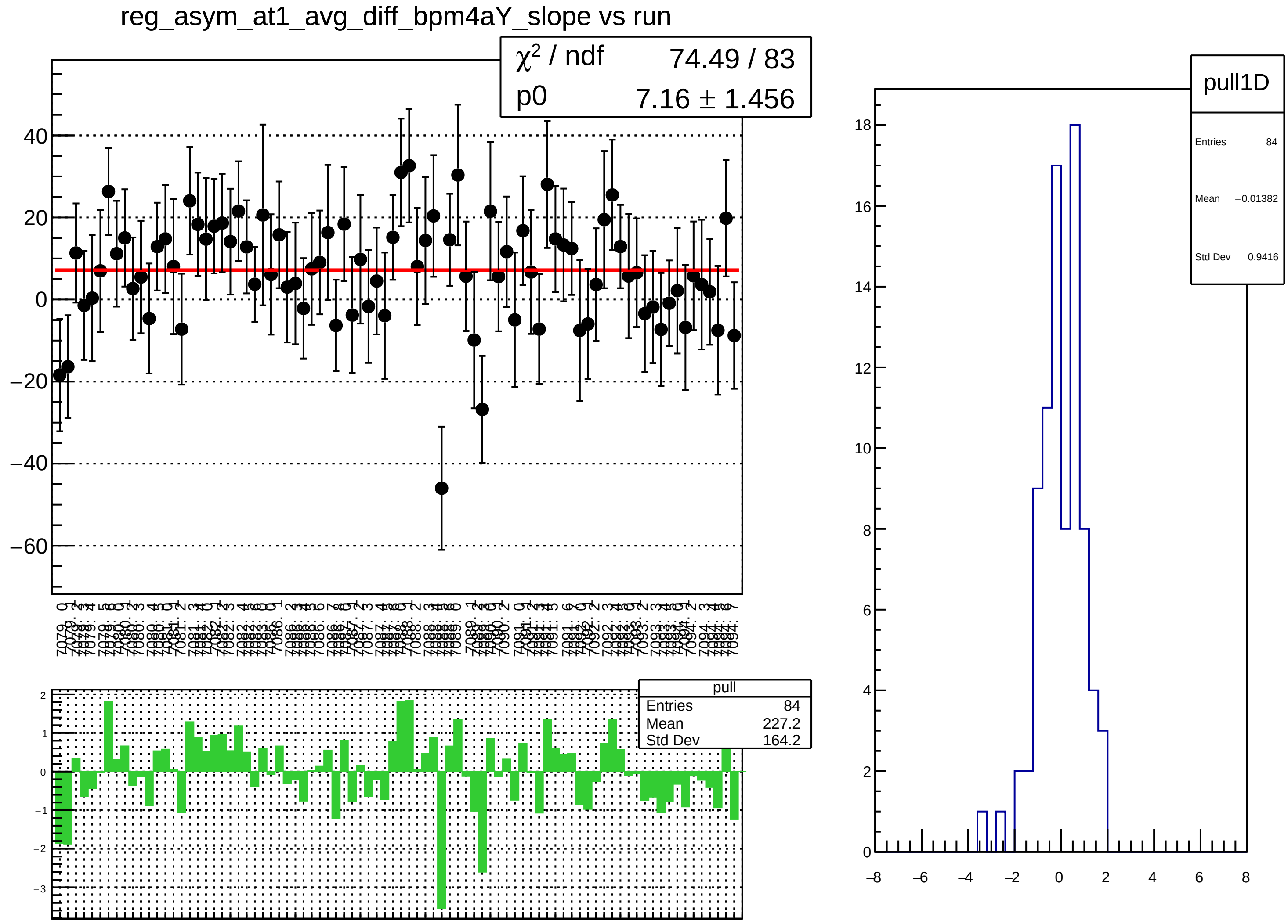
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 32.89 / 83
p0 −257.4 ± 5.182
−100
−150
−200
−250
−300
−350
−400
pull
Entries 84
Mean 181
Std Dev 150.3
pull1D
Entries 84
Mean −0.02995
Std Dev 0.625
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



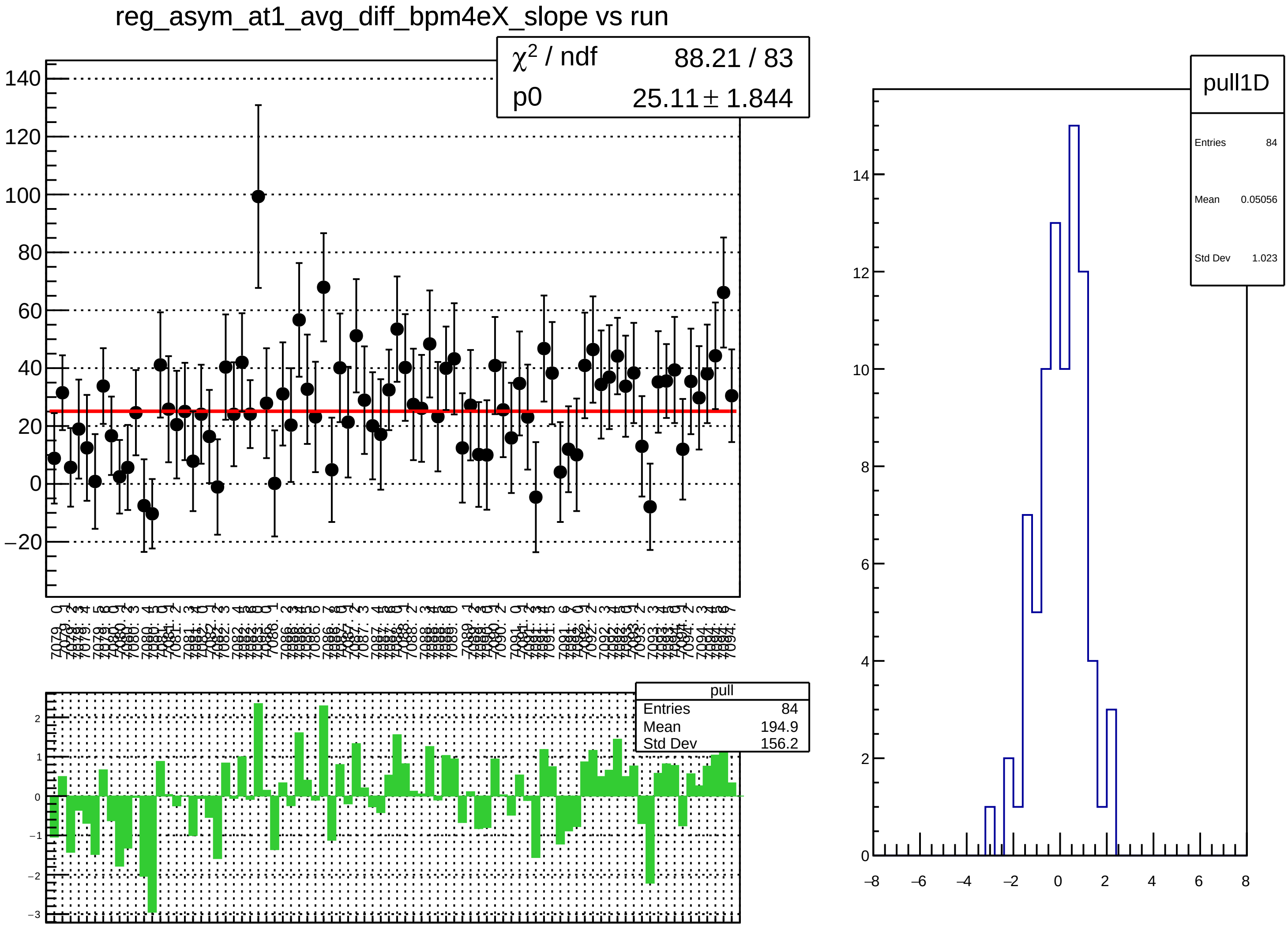
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 26.7 / 83
p0 −93.84 ± 4.267
pull
Entries 84
Mean 4826
Std Dev 4793
pull1D
Entries 84
Mean 0.001153
Std Dev 0.5638


reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 59.69 / 83
p0 120.9 ± 0.2047
pull
Entries 84
Mean −542.2
Std Dev 574.1
pull1D
Entries 84
Mean −0.02112
Std Dev 0.8427

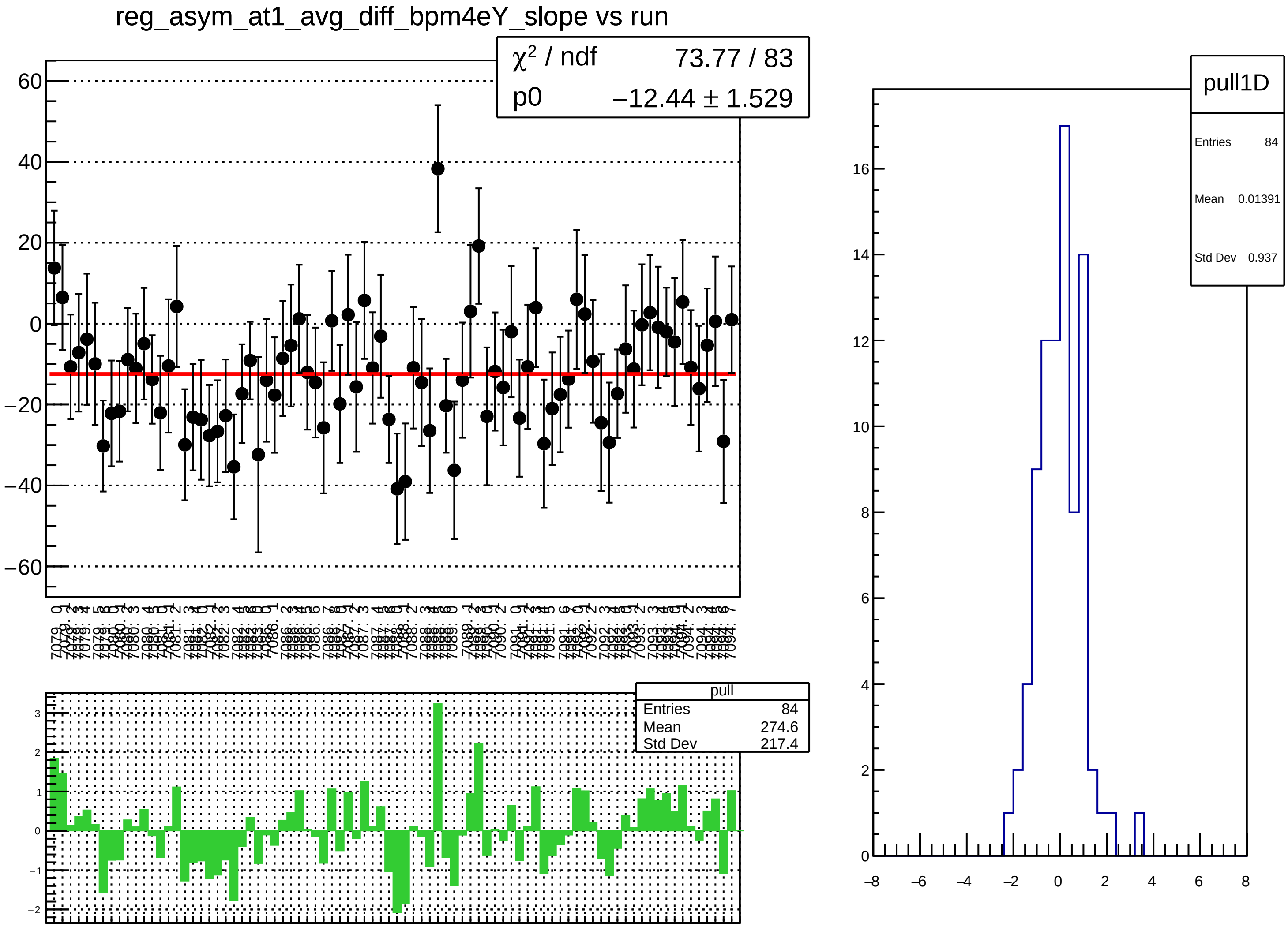

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 87.38 / 83
p0 −36.18 ± 1.911
pull
Entries 84
Mean 188.2
Std Dev 150
pull1D
Entries 84
Mean −0.04996
Std Dev 1.019



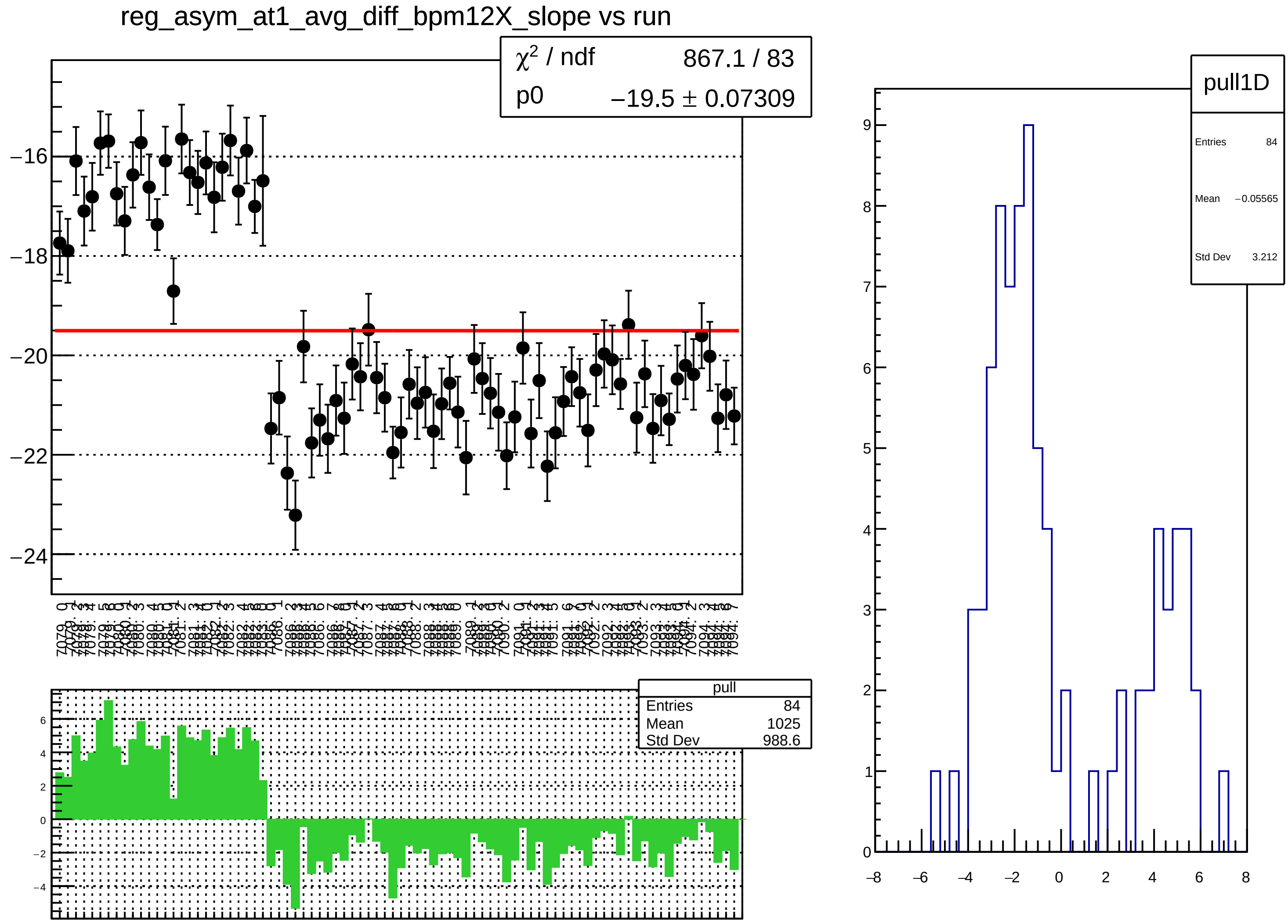
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 74.49 / 83
p0 7.16 ± 1.456
pull
Entries 84
Mean 227.2
Std Dev 164.2
pull1D
Entries 84
Mean −0.01382
Std Dev 0.9416



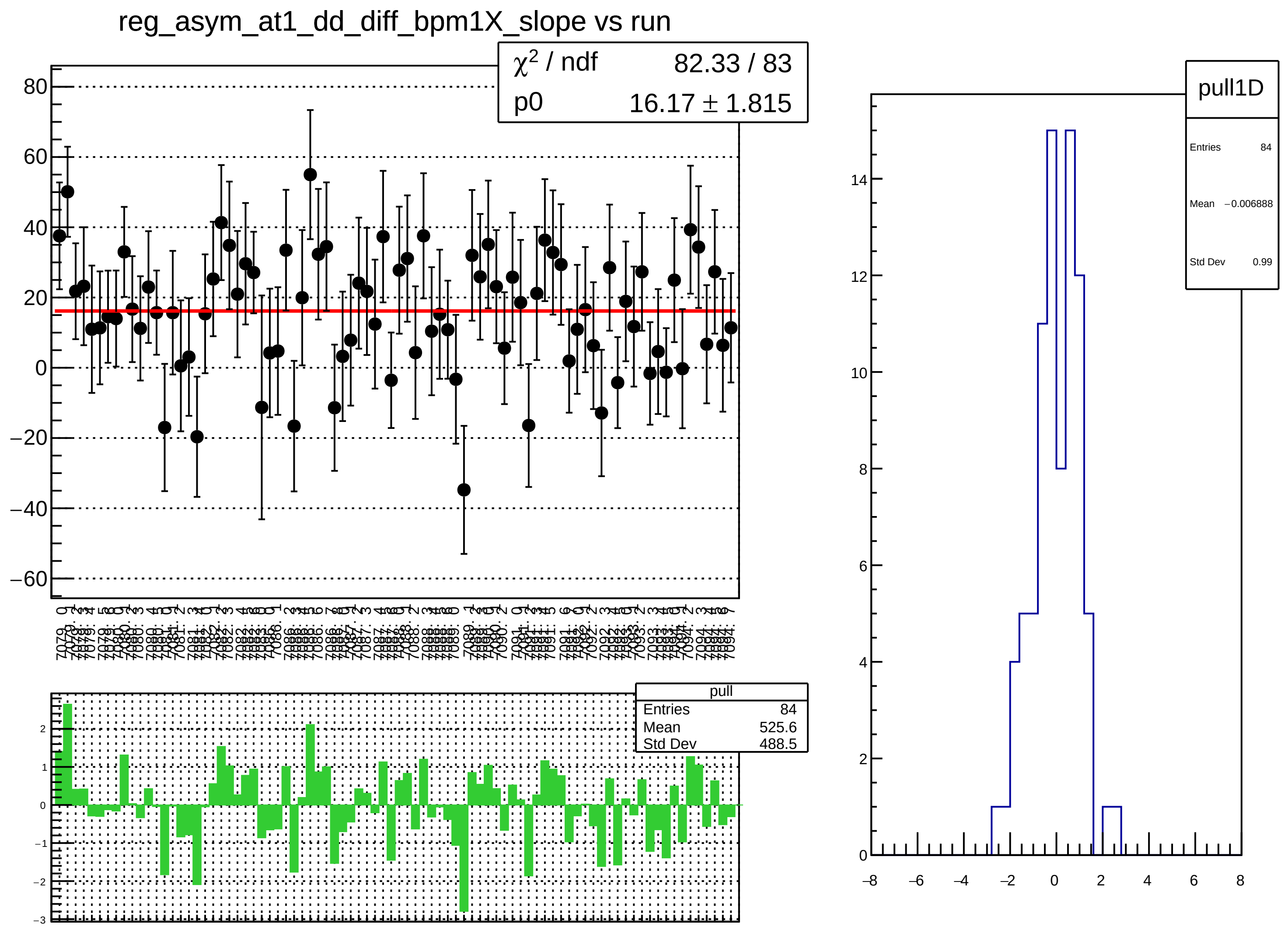
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 88.21 / 83
p0 25.11 ± 1.844
pull
Entries 84
Mean 194.9
Std Dev 156.2
pull1D
Entries 84
Mean 0.05056
Std Dev 1.023

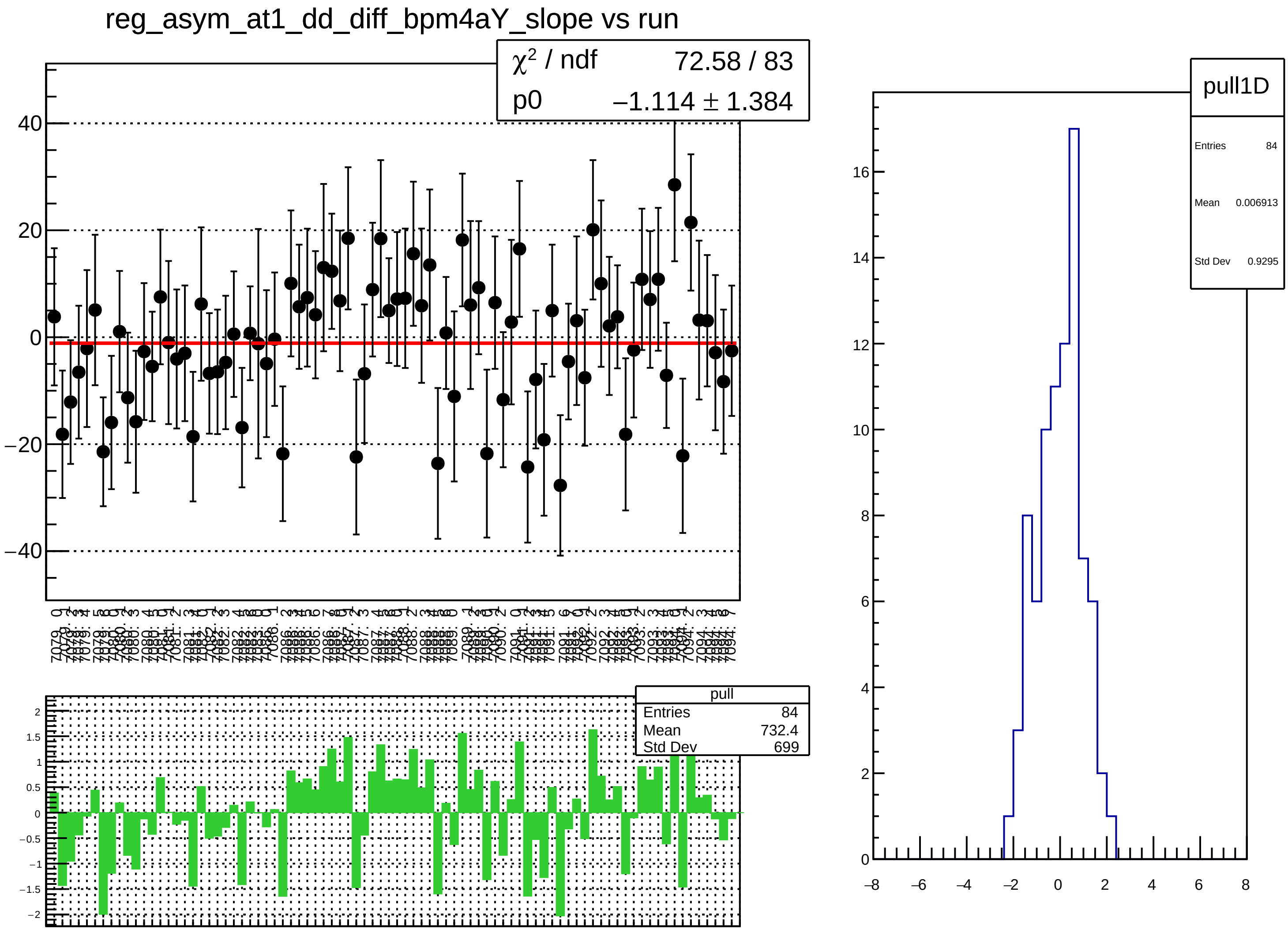


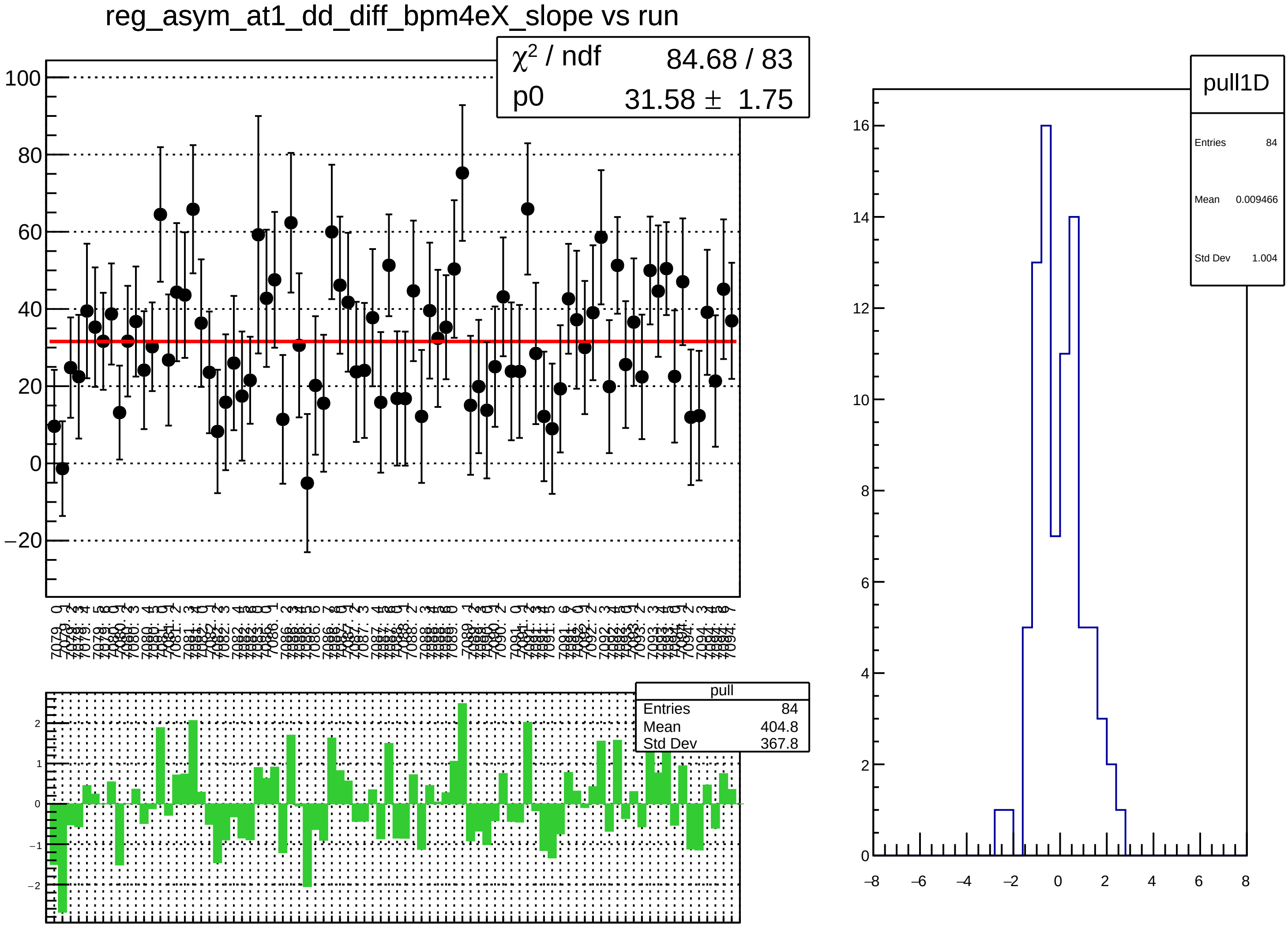
reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 73.77 / 83
p0 −12.44 ± 1.529
60
40
20
0
−20
−40
−60
pull
Entries 84
Mean 274.6
Std Dev 217.4
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.01391
Std Dev 0.937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

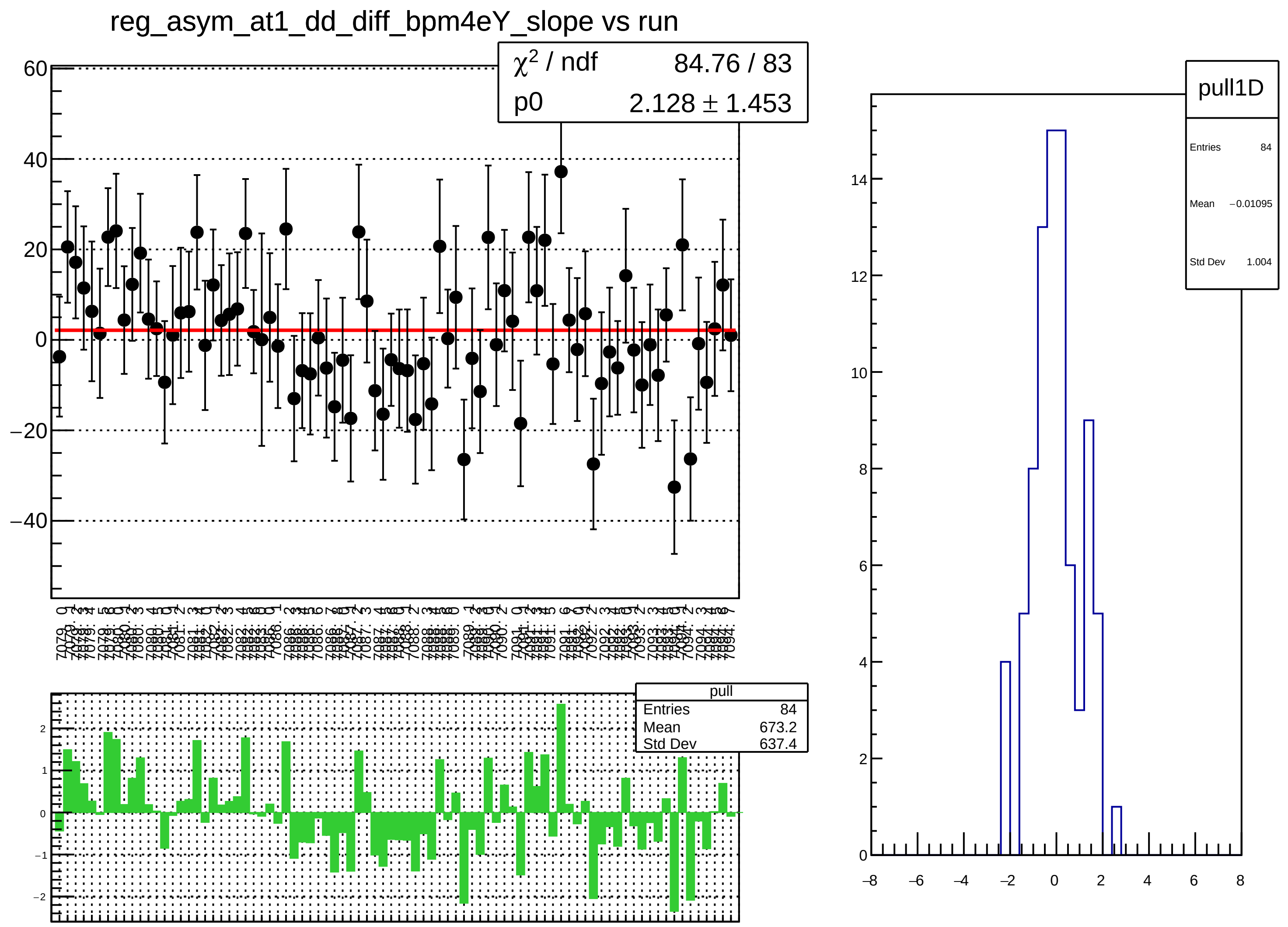


reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 867.1 / 83
p0 −19.5 ± 0.07309
−16
−18
−20
−22
−24
pull
Entries 84
Mean 1025
Std Dev 988.6
pull1D
Entries 84
Mean −0.05565
Std Dev 3.212

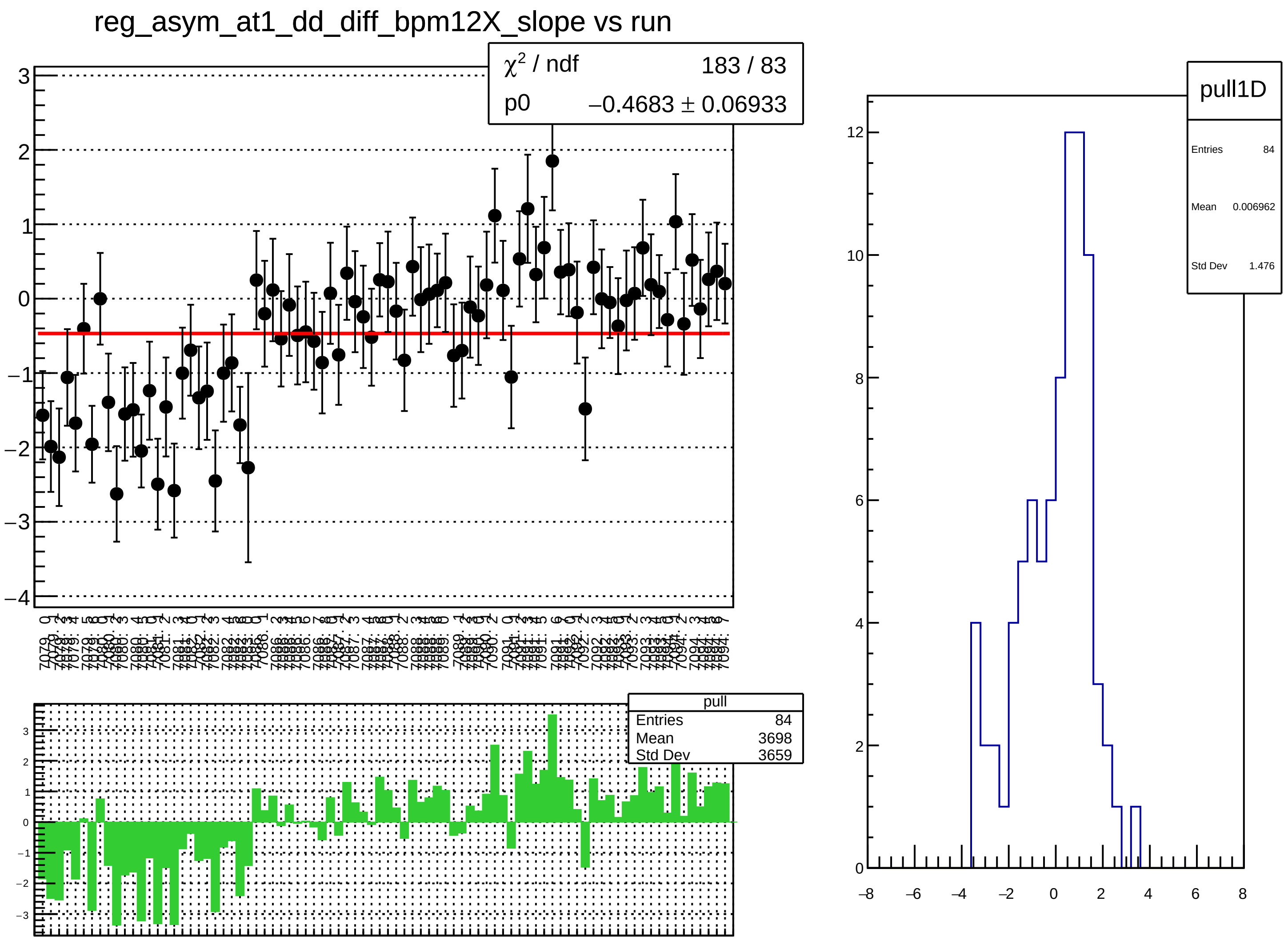

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 82.33 / 83
p0 16.17 ± 1.815
pull
Entries 84
Mean 525.6
Std Dev 488.5
pull1D
Entries 84
Mean −0.006888
Std Dev 0.99

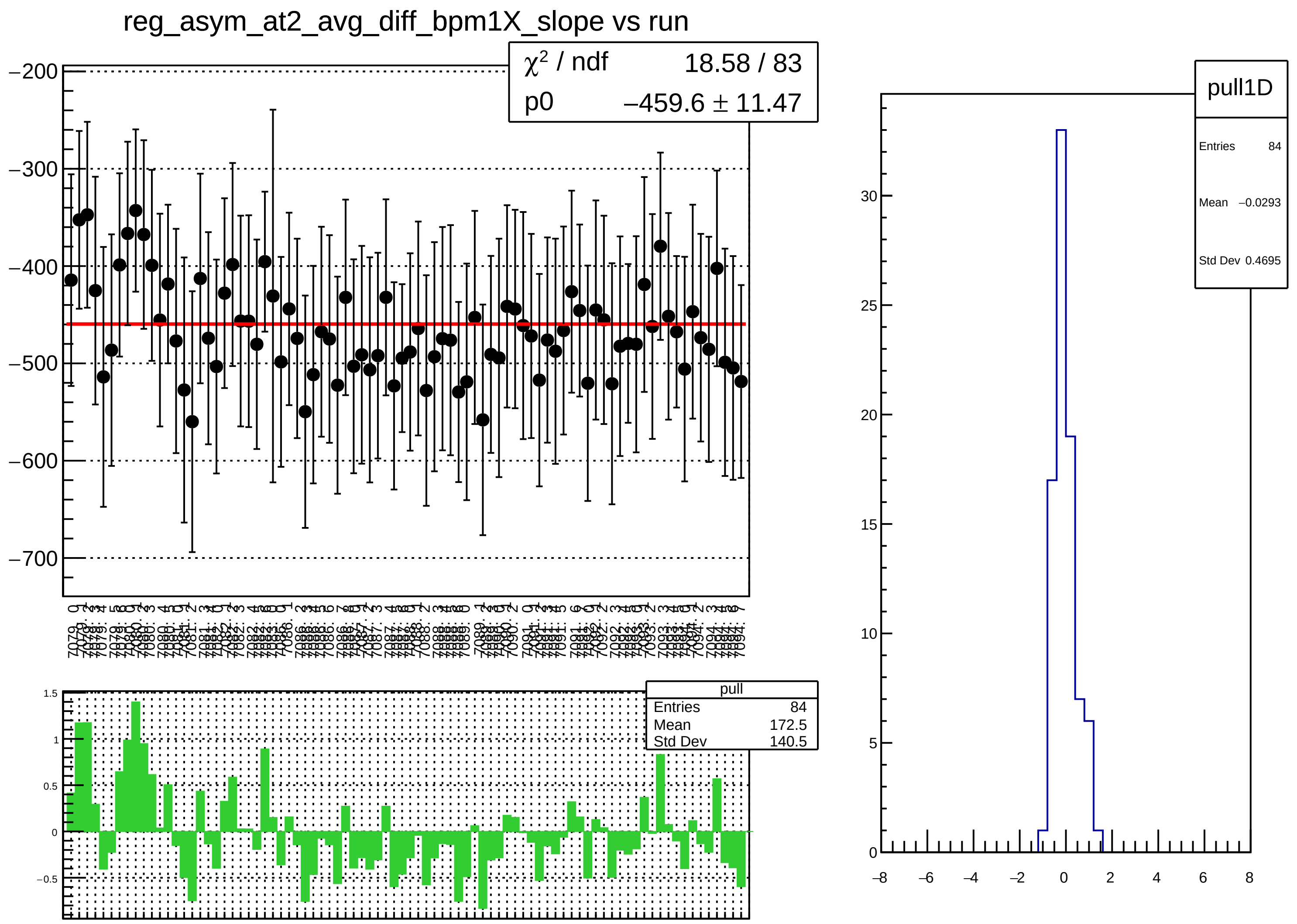

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ2 / ndf 72.58 / 83
p0 −1.114 ± 1.384
pull
Entries 84
Mean 732.4
Std Dev 699
pull1D
Entries 84
Mean 0.006913
Std Dev 0.9295

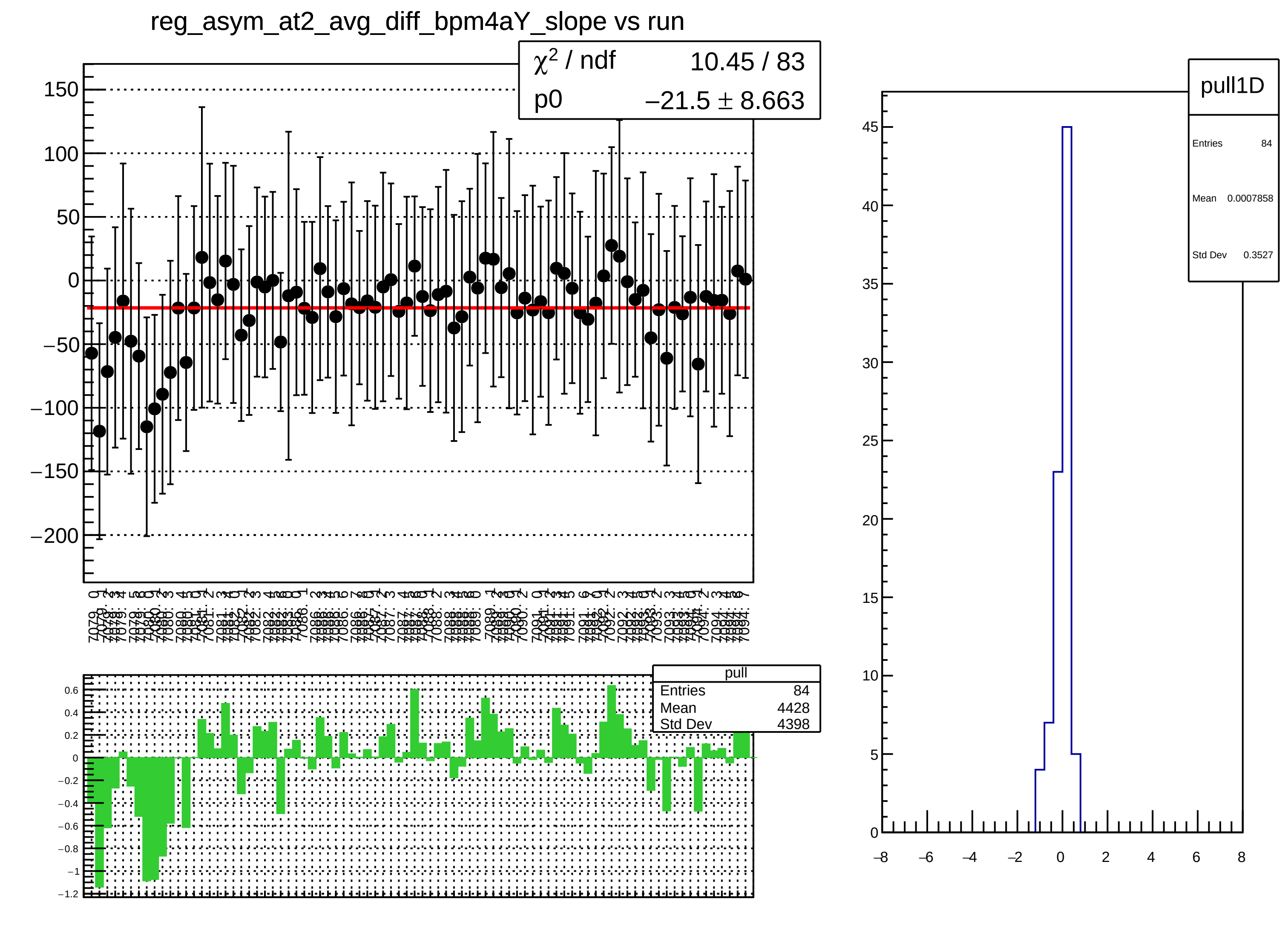

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 84.68 / 83
p0 31.58 ± 1.75
pull
Entries 84
Mean 404.8
Std Dev 367.8
pull1D
Entries 84
Mean 0.009466
Std Dev 1.004



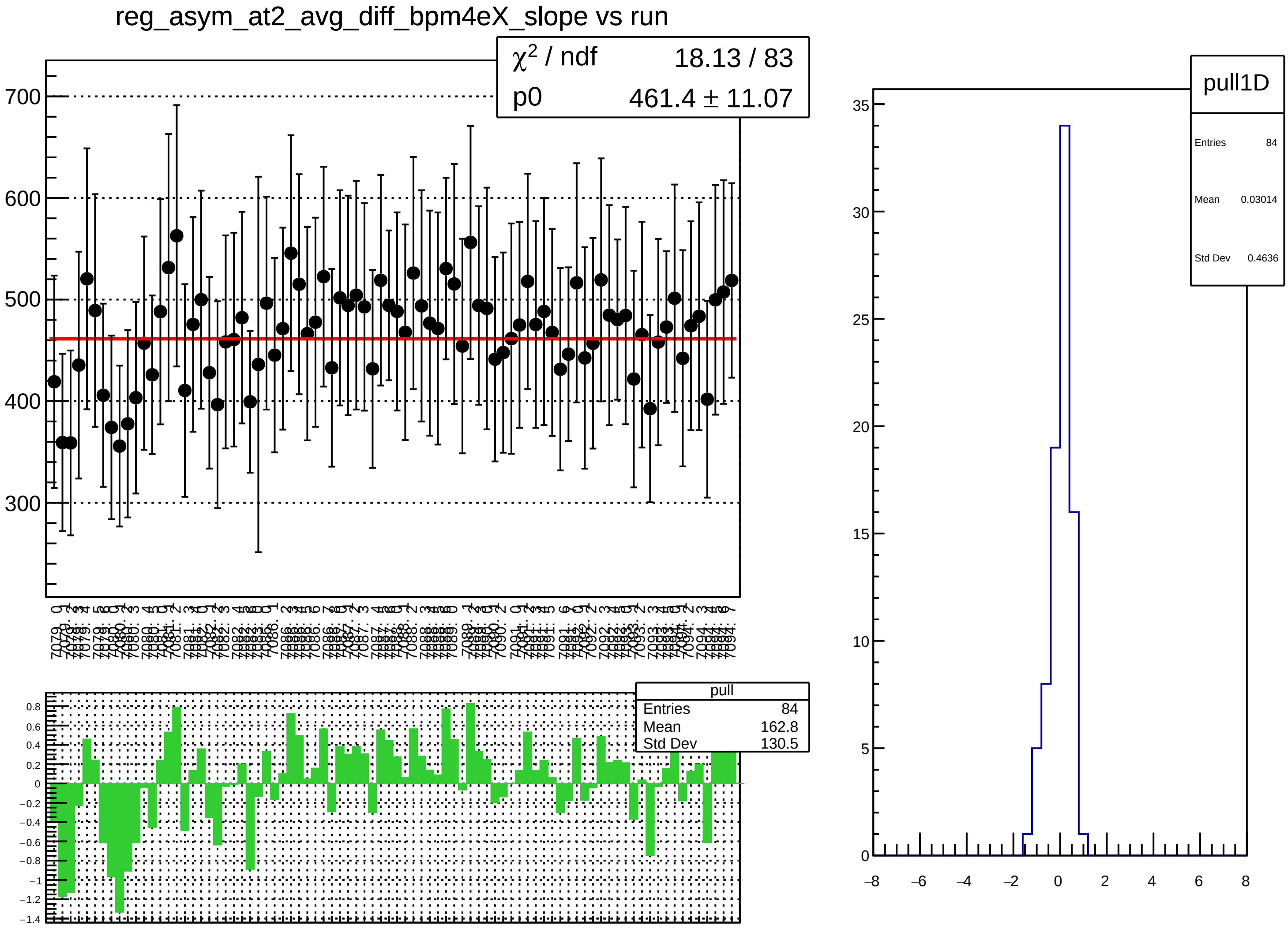
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 84.76 / 83
p0 2.128 ± 1.453
pull
Entries 84
Mean 673.2
Std Dev 637.4
pull1D
Entries 84
Mean −0.01095
Std Dev 1.004


reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 183 / 83
p0 −0.4683 ± 0.06933
pull
Entries 84
Mean 3698
Std Dev 3659
pull1D
Entries 84
Mean 0.006962
Std Dev 1.476

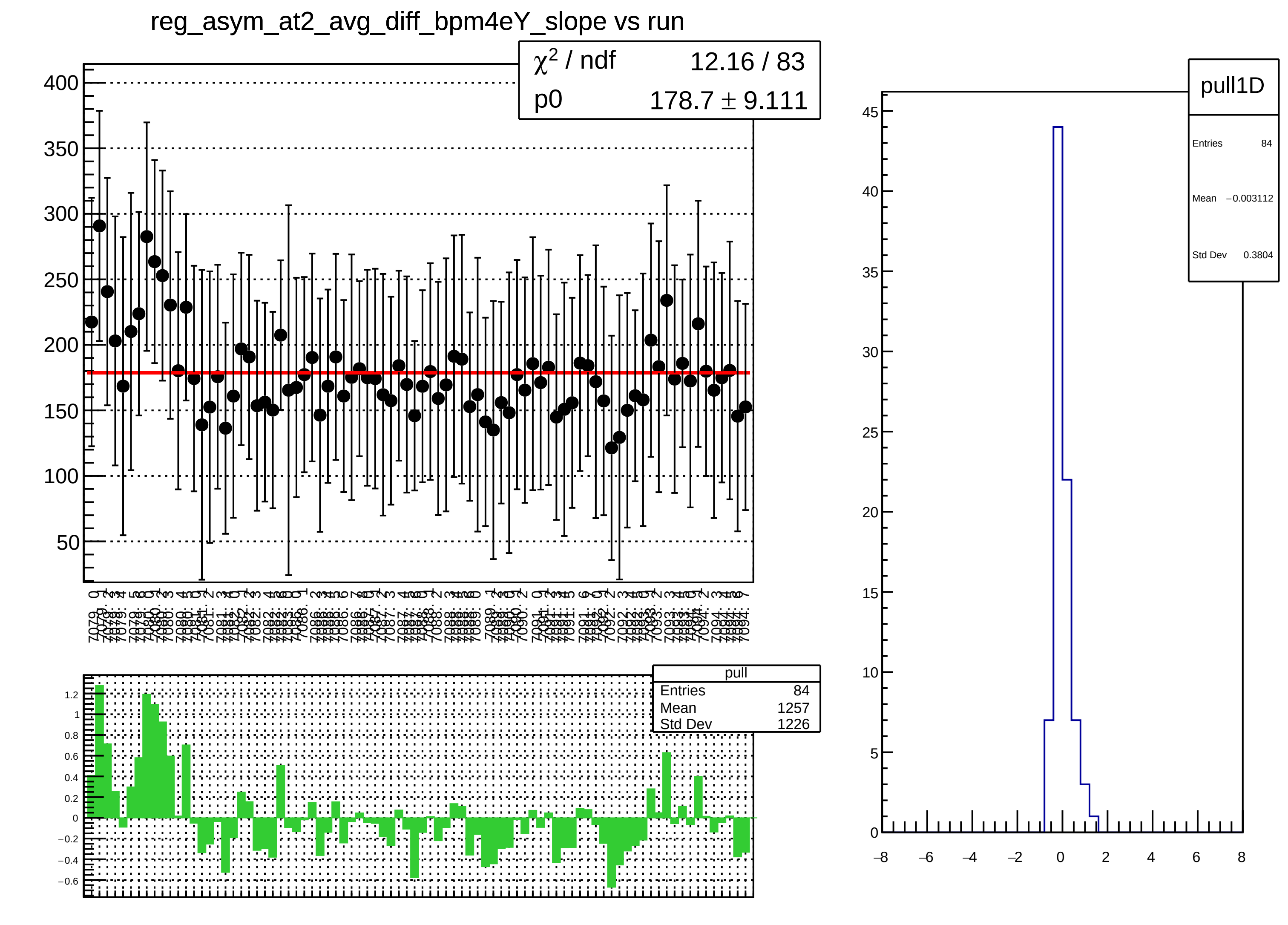

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ2 / ndf 18.58 / 83
p0 −459.6 ± 11.47
pull
Entries 84
Mean 172.5
Std Dev 140.5
pull1D
Entries 84
Mean −0.0293
Std Dev 0.4695

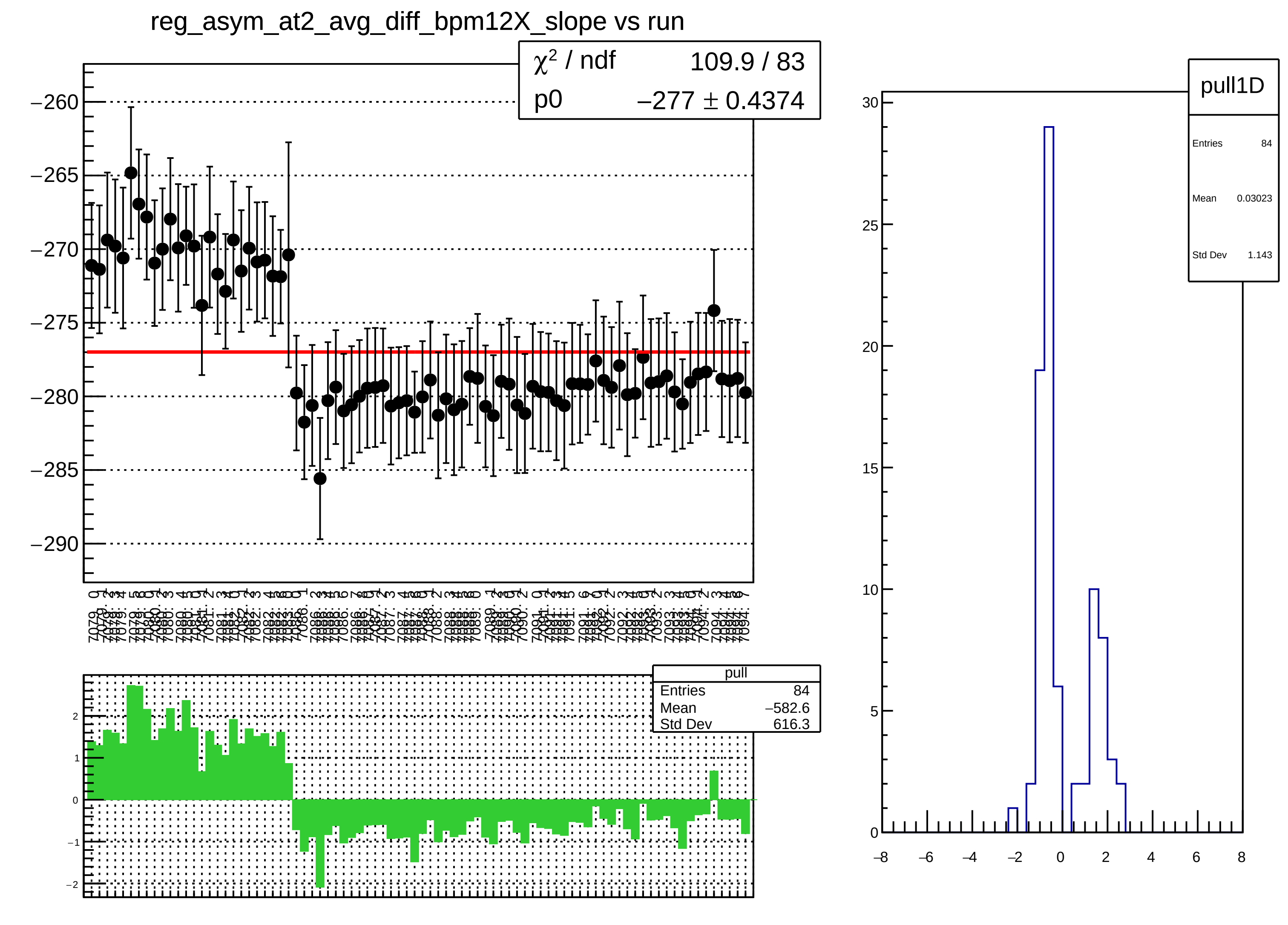


reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 10.45 / 83
p0 −21.5 ± 8.663
pull
Entries 84
Mean 4428
Std Dev 4398
pull1D
Entries 84
Mean 0.0007858
Std Dev 0.3527

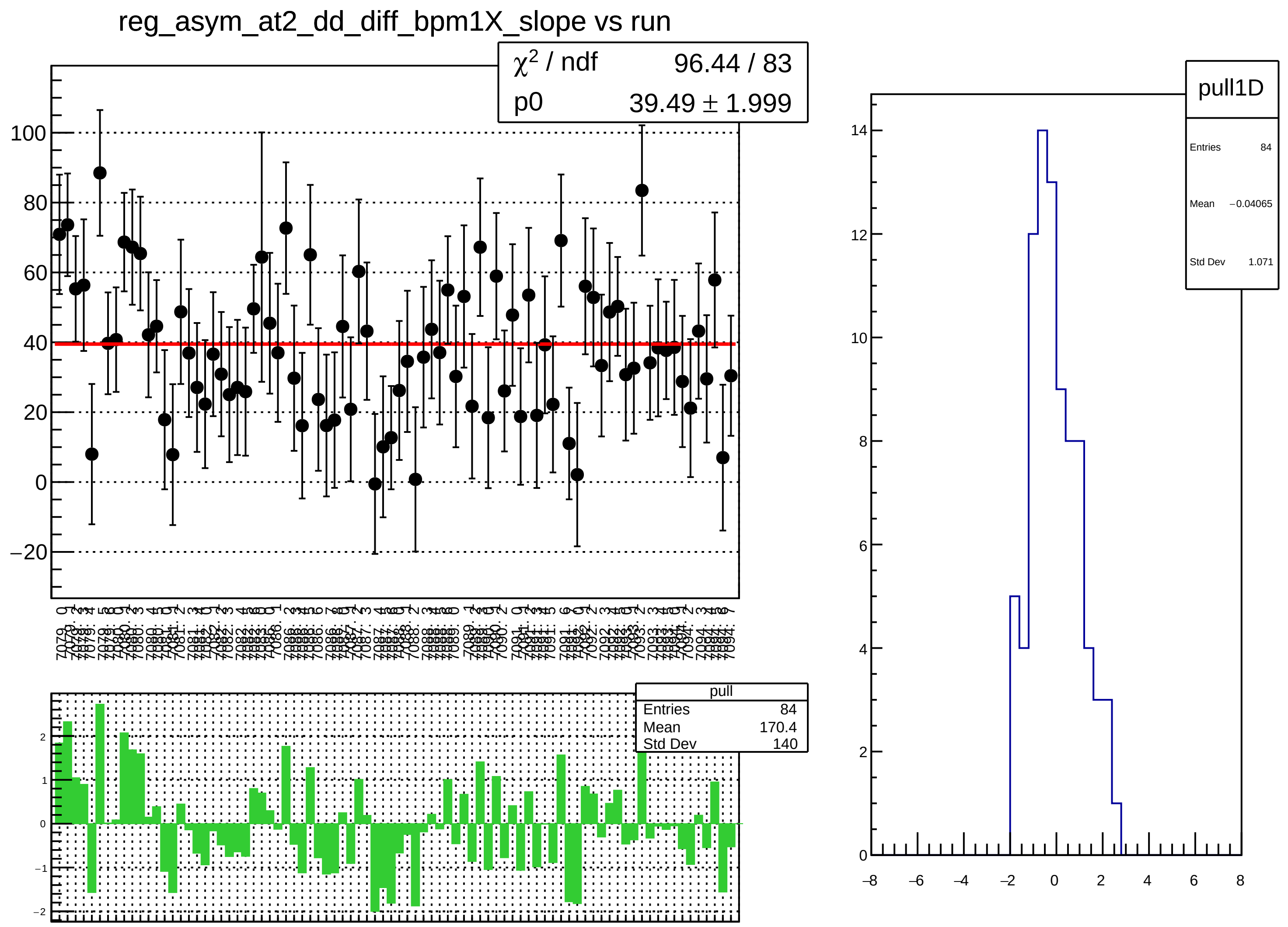


reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 18.13 / 83
p0 461.4 ± 11.07
pull
Entries 84
Mean 162.8
Std Dev 130.5
pull1D
Entries 84
Mean 0.03014
Std Dev 0.4636

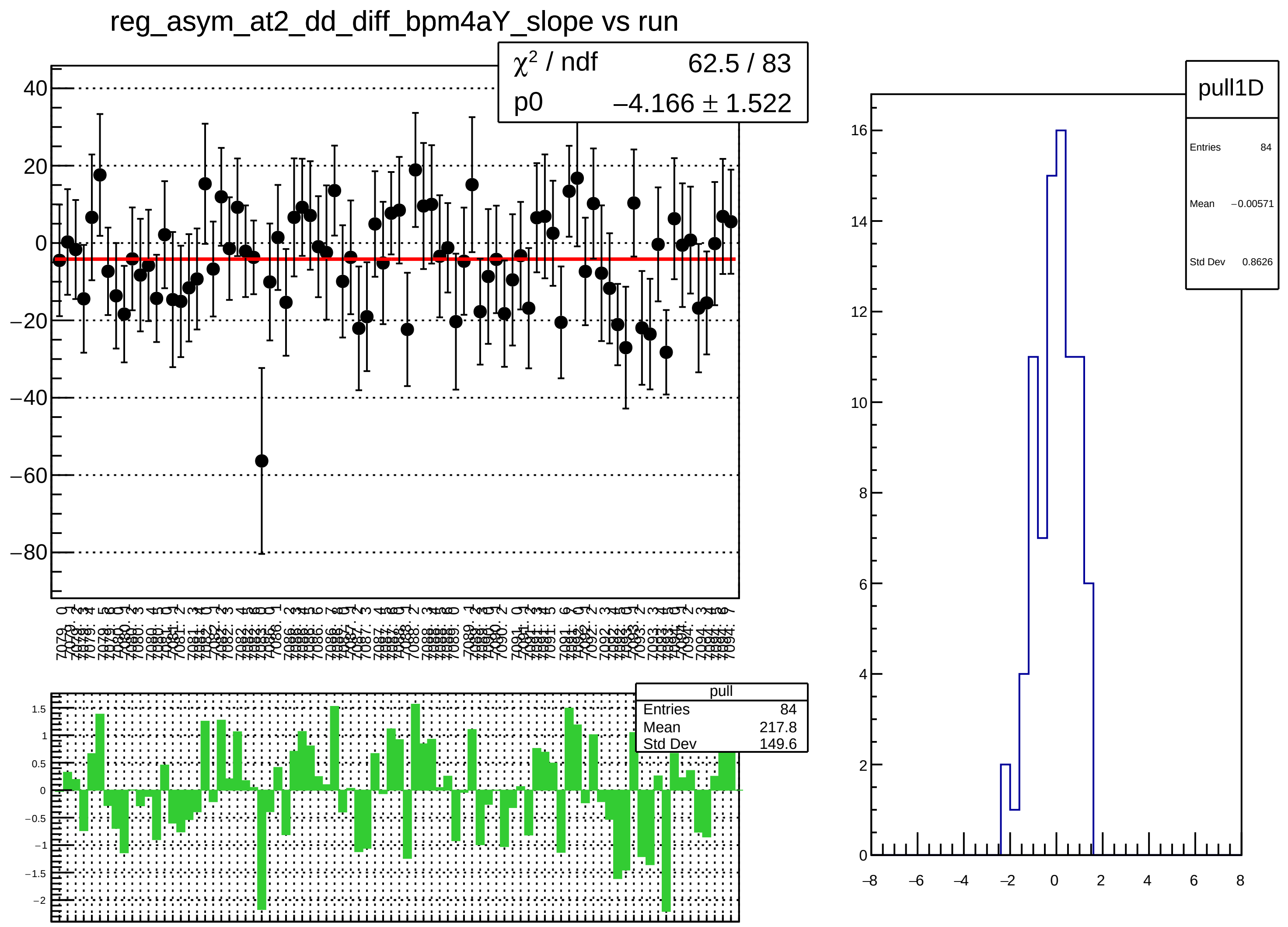

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 12.16 / 83
p0 178.7 ± 9.111
pull
Entries 84
Mean 1257
Std Dev 1226
pull1D
Entries 84
Mean −0.003112
Std Dev 0.3804



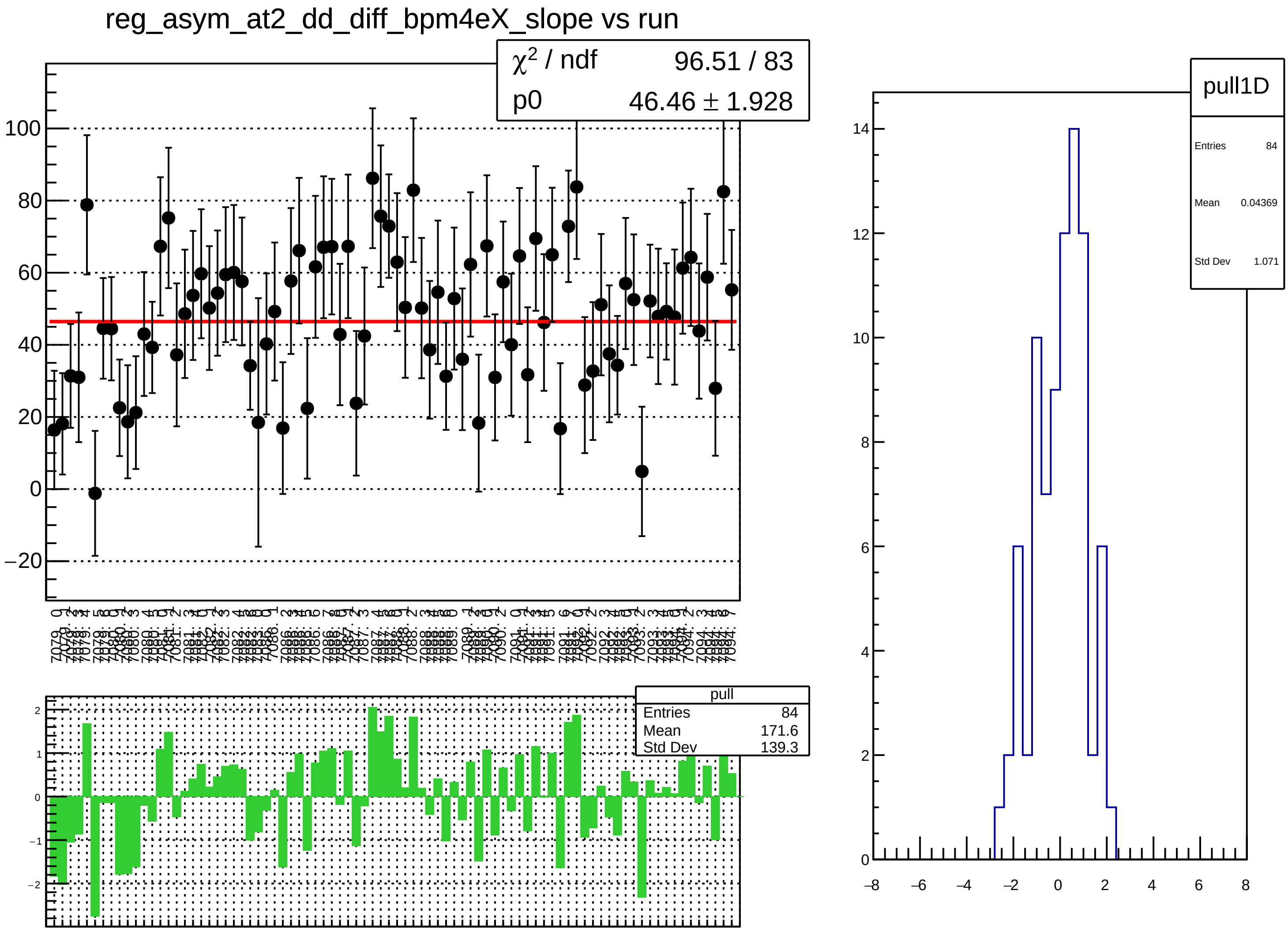
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ2 / ndf 109.9 / 83
p0 −277 ± 0.4374
pull
Entries 84
Mean −582.6
Std Dev 616.3
pull1D
Entries 84
Mean 0.03023
Std Dev 1.143



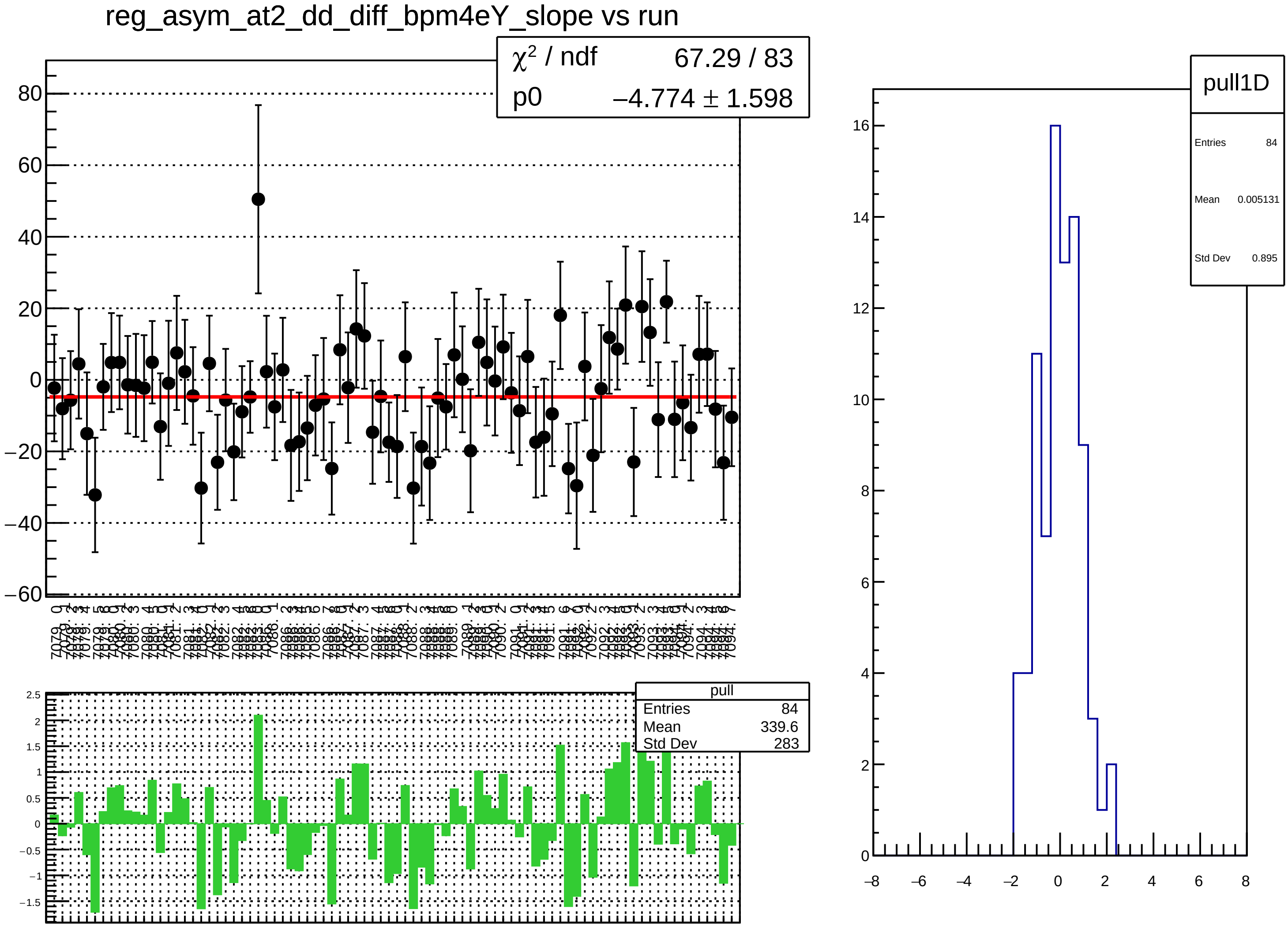
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 96.44 / 83
p0 39.49 ± 1.999
pull
Entries 84
Mean 170.4
Std Dev 140
pull1D
Entries 84
Mean −0.04065
Std Dev 1.071



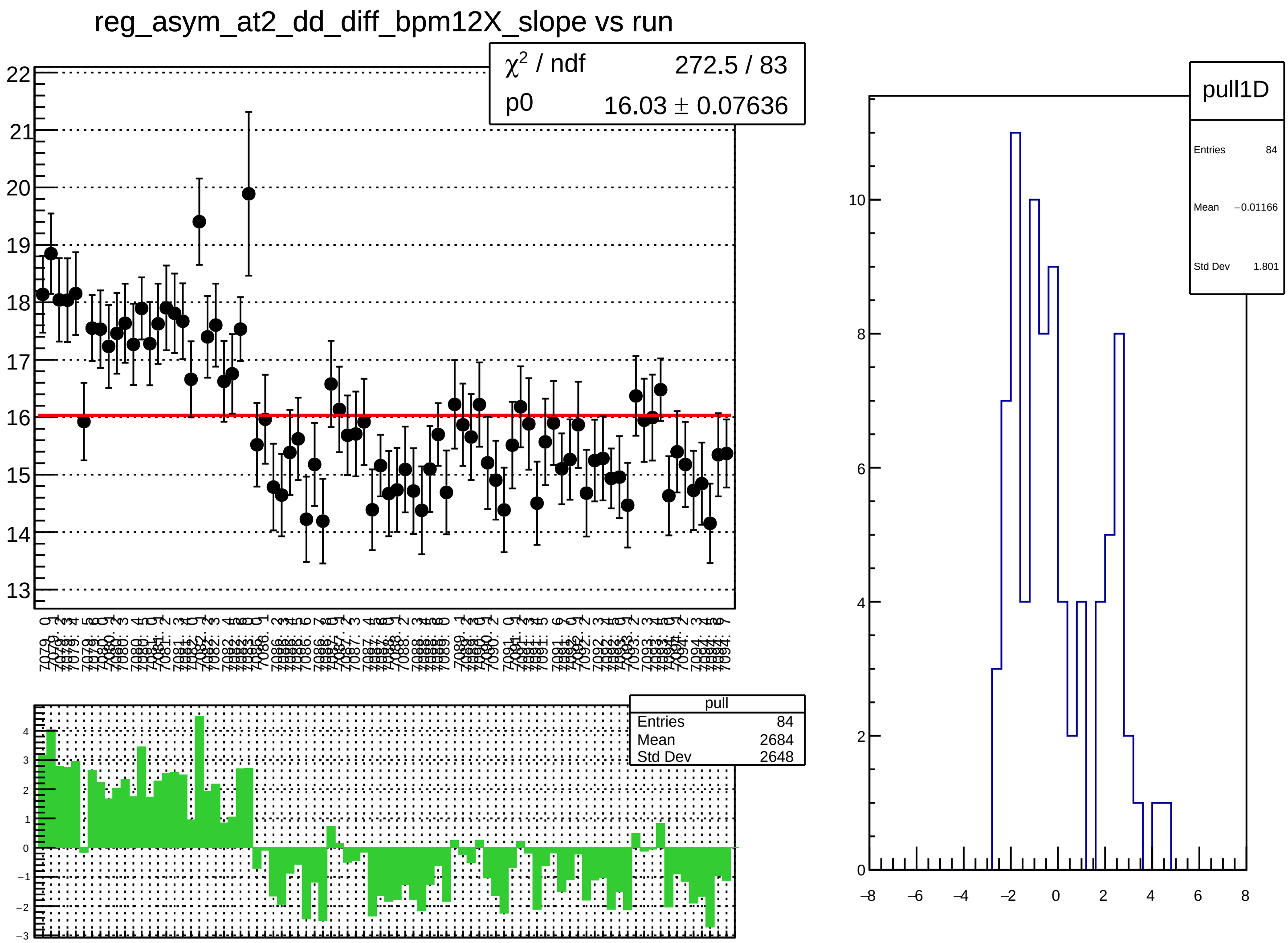
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 62.5 / 83
p0 −4.166 ± 1.522
pull
Entries 84
Mean 217.8
Std Dev 149.6
pull1D
Entries 84
Mean −0.00571
Std Dev 0.8626



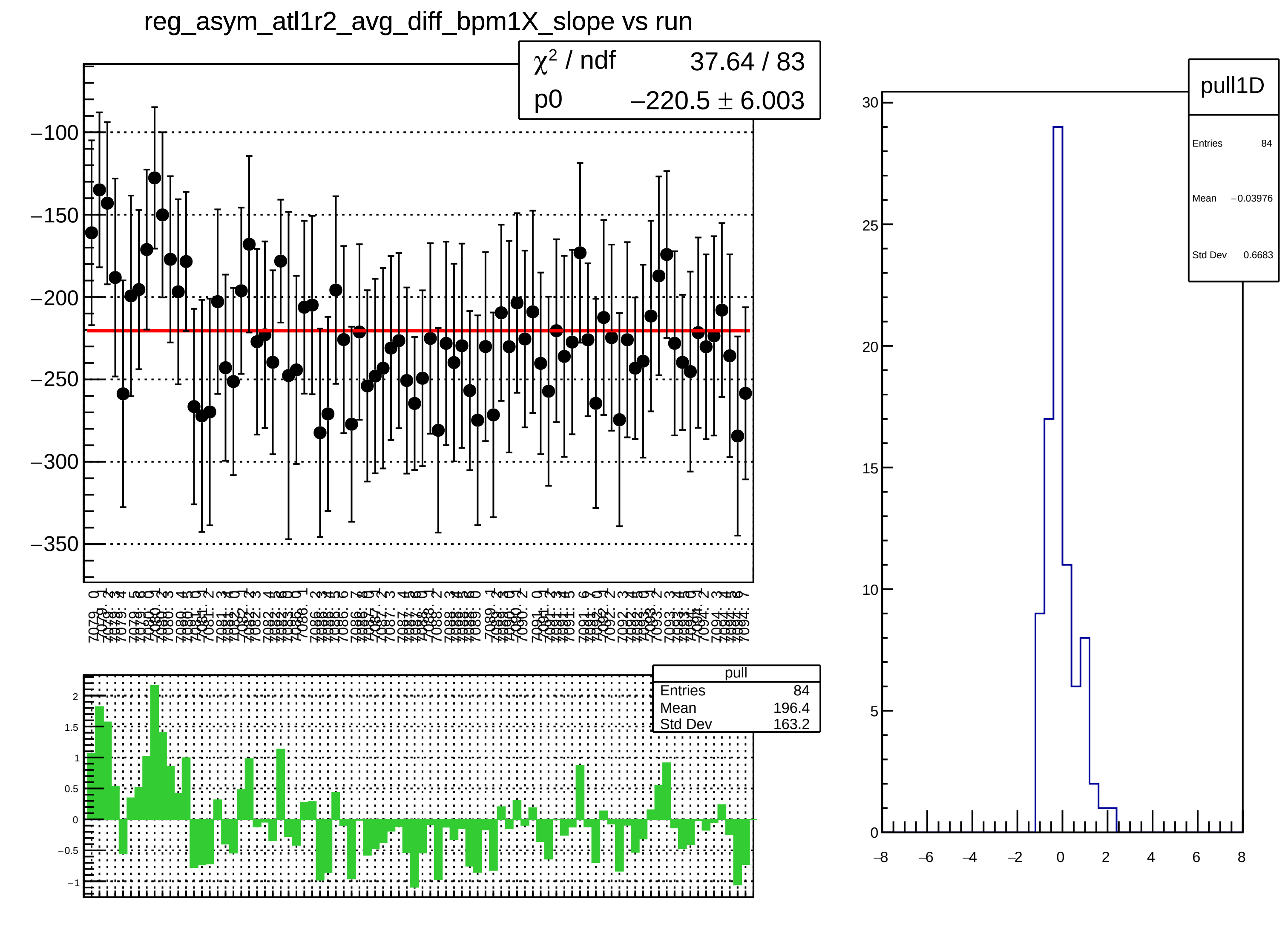
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 96.51 / 83
p0 46.46 ± 1.928
pull
Entries 84
Mean 171.6
Std Dev 139.3
pull1D
Entries 84
Mean 0.04369
Std Dev 1.071



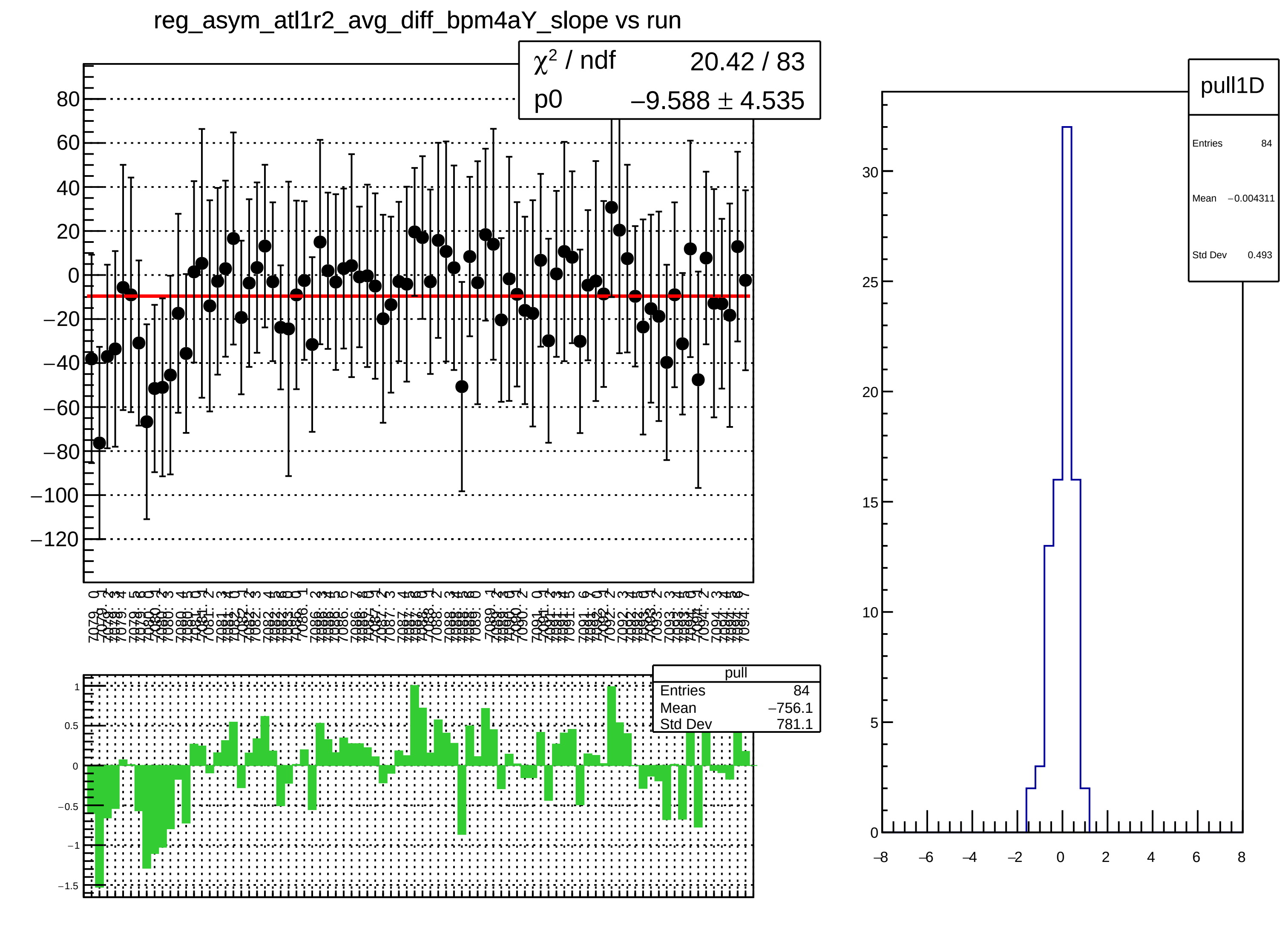
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 67.29 / 83
p0 −4.774 ± 1.598
pull
Entries 84
Mean 339.6
Std Dev 283
pull1D
Entries 84
Mean 0.005131
Std Dev 0.895



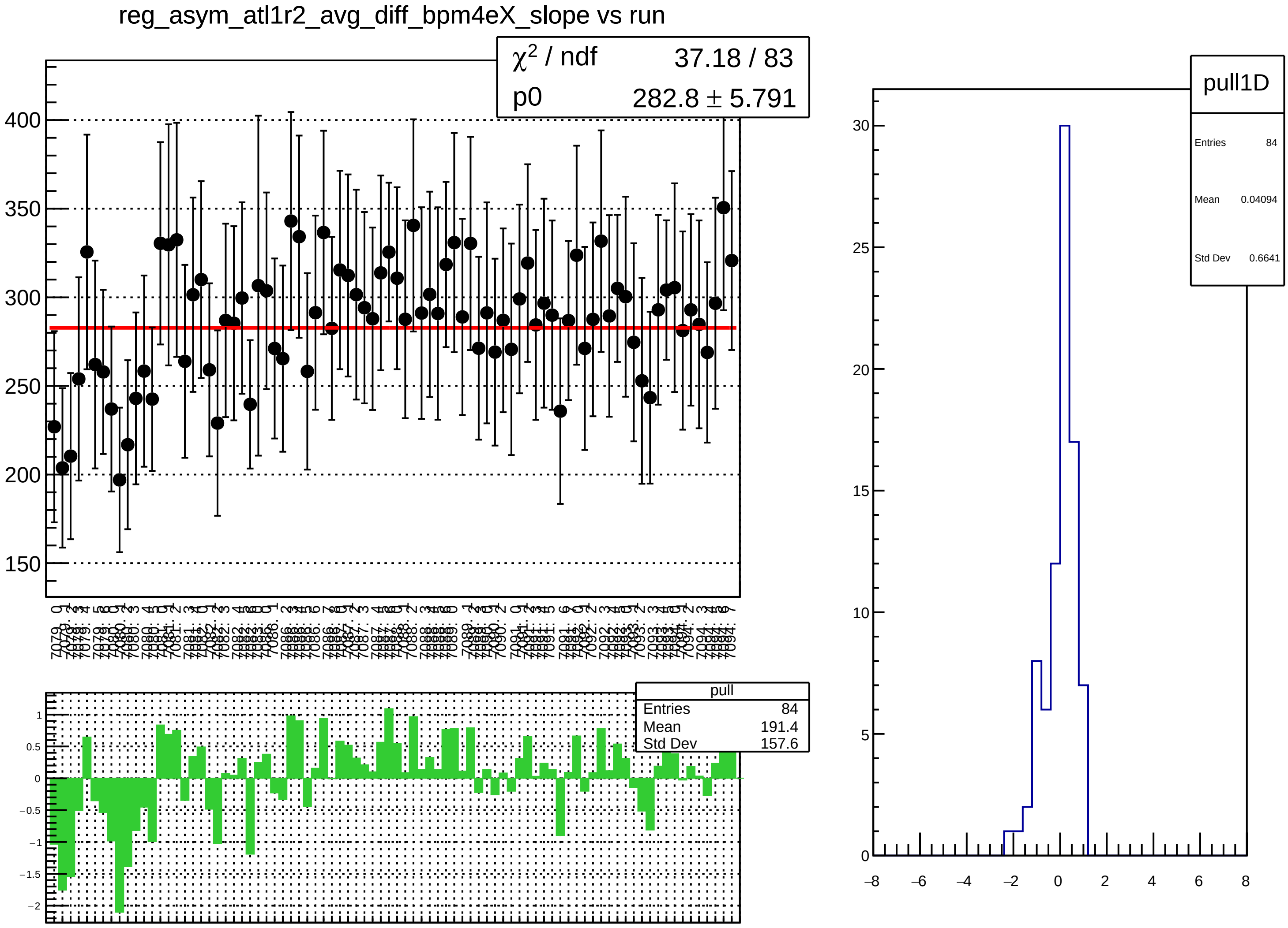
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 272.5 / 83
p0 16.03 ± 0.07636
pull
Entries 84
Mean 2684
Std Dev 2648
pull1D
Entries 84
Mean −0.01166
Std Dev 1.801



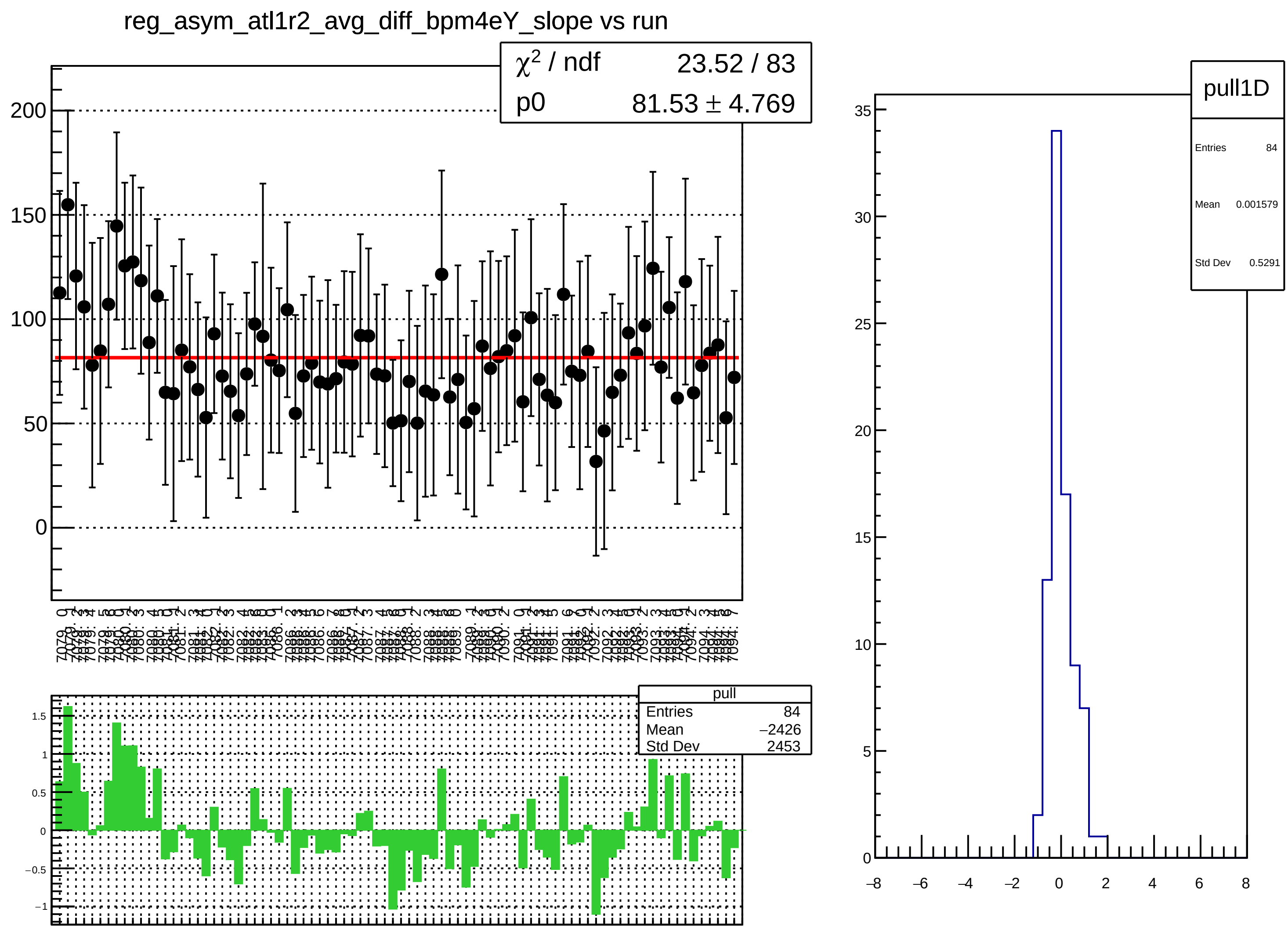
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ2 / ndf 37.64 / 83
p0 −220.5 ± 6.003
−100
−150
−200
−250
−300
−350
pull
Entries 84
Mean 196.4
Std Dev 163.2
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.03976
Std Dev 0.6683
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



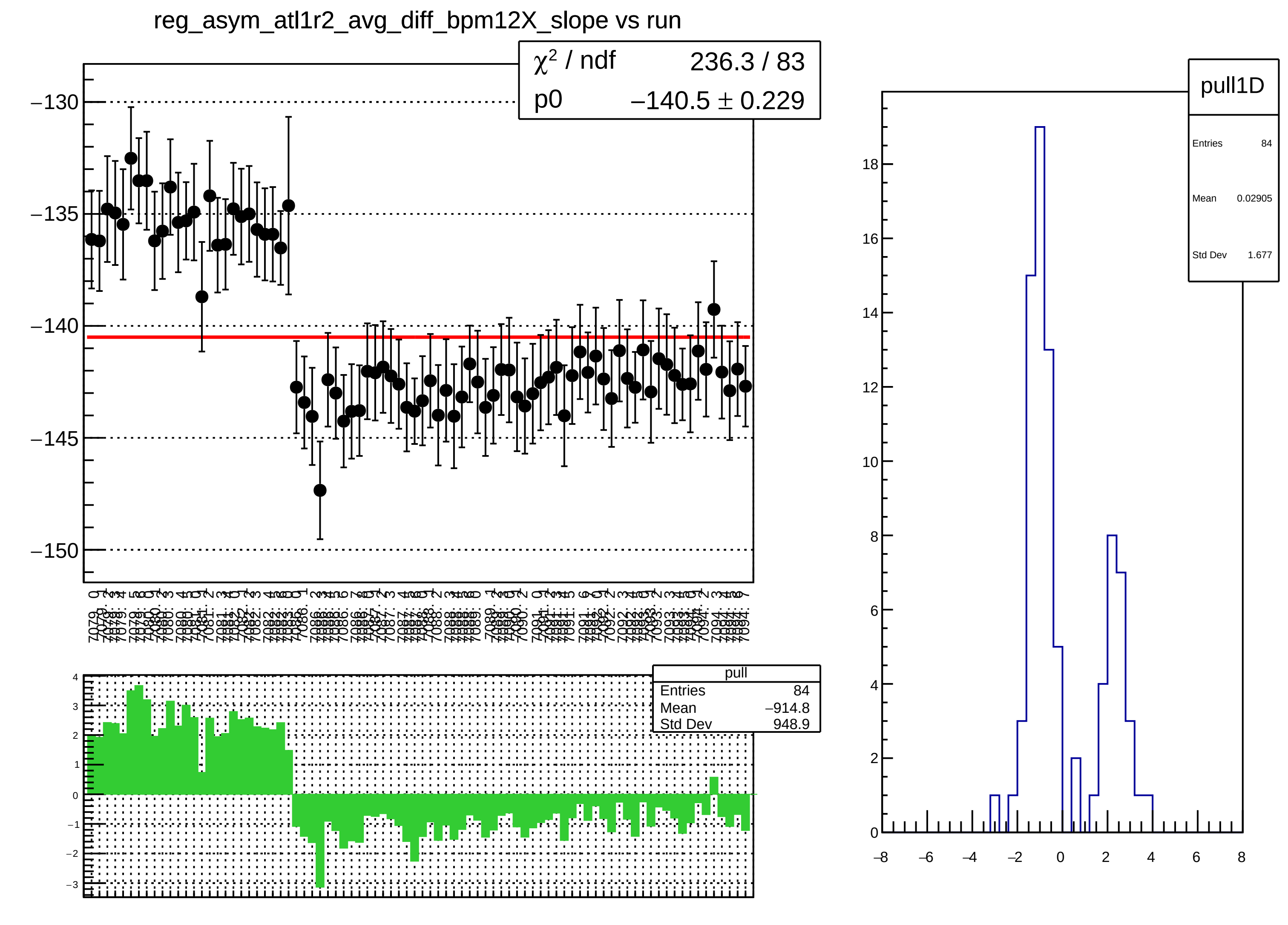
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 20.42 / 83
p0 −9.588 ± 4.535
pull
Entries 84
Mean −756.1
Std Dev 781.1
pull1D
Entries 84
Mean −0.004311
Std Dev 0.493



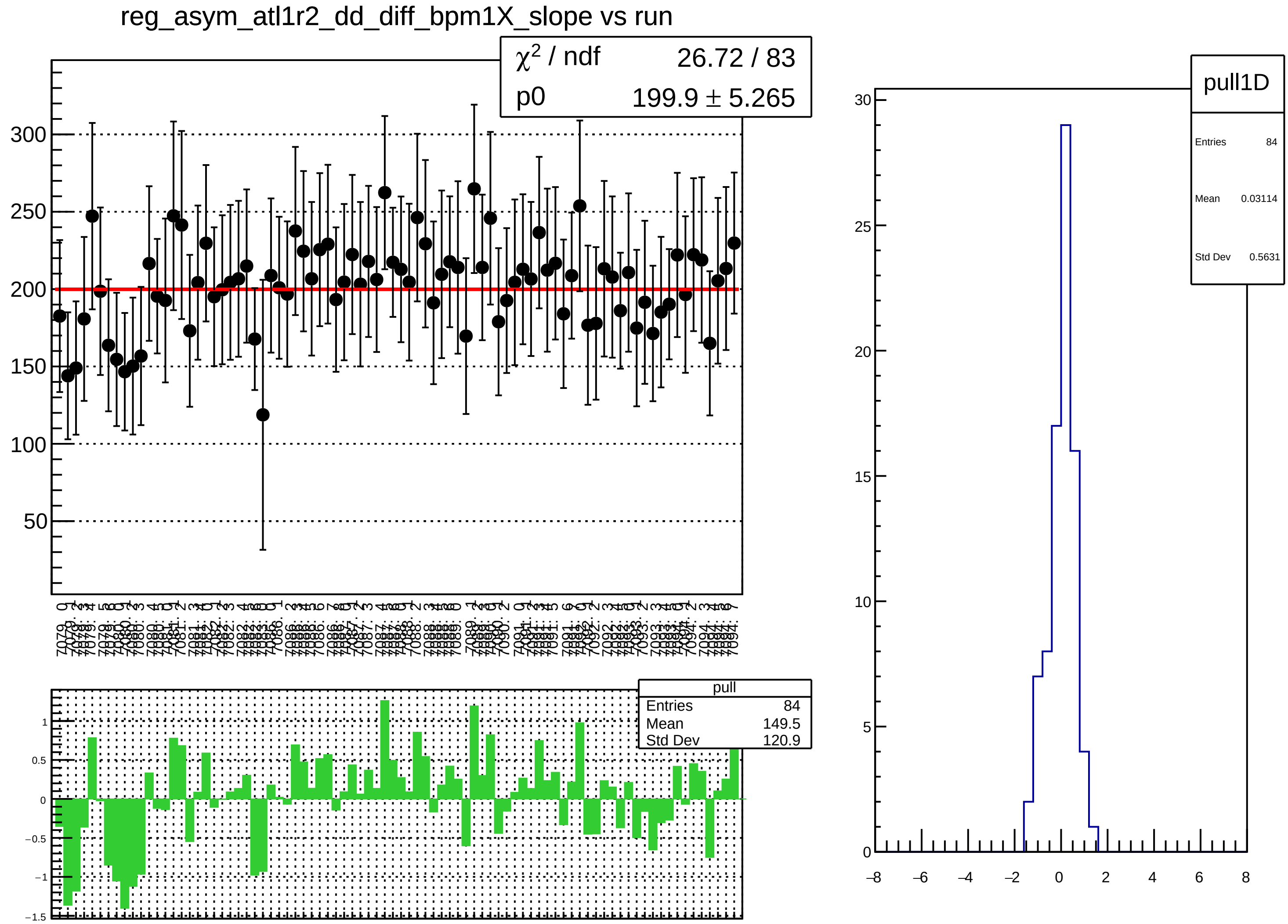
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 37.18 / 83
p0 282.8 ± 5.791
pull
Entries 84
Mean 191.4
Std Dev 157.6
pull1D
Entries 84
Mean 0.04094
Std Dev 0.6641

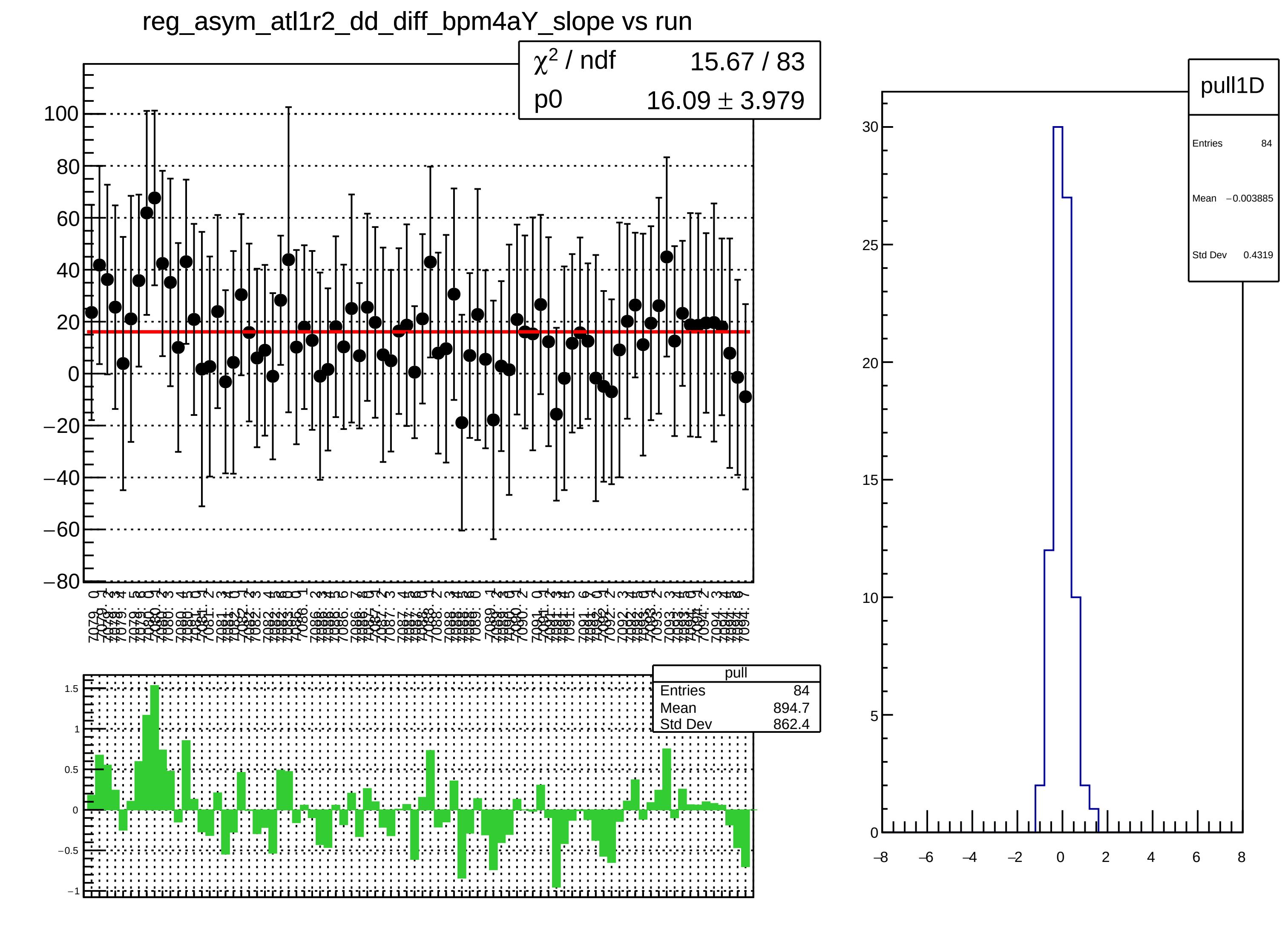


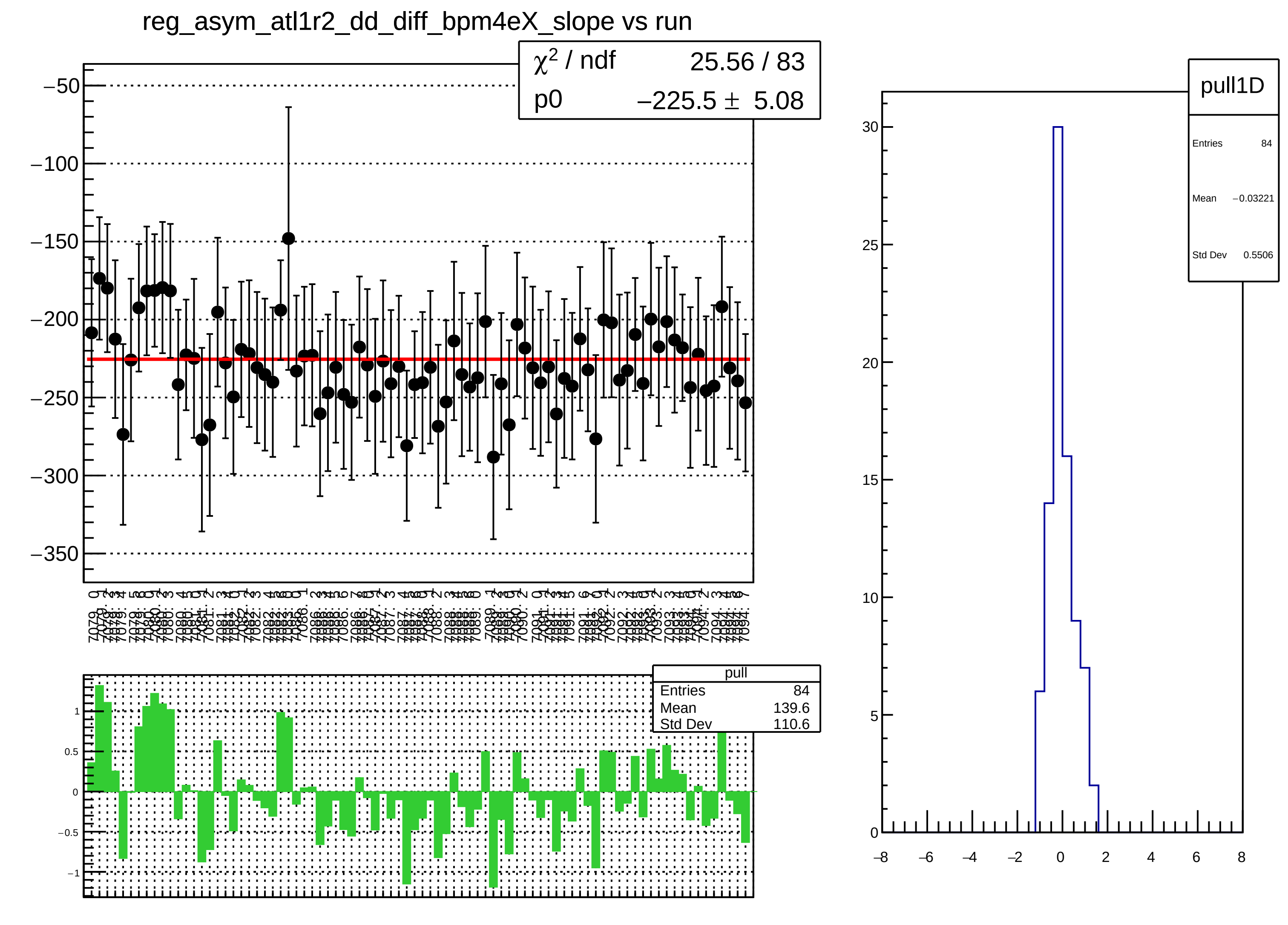
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 23.52 / 83
p0 81.53 ± 4.769
pull
Entries 84
Mean −2426
Std Dev 2453
pull1D
Entries 84
Mean 0.001579
Std Dev 0.5291



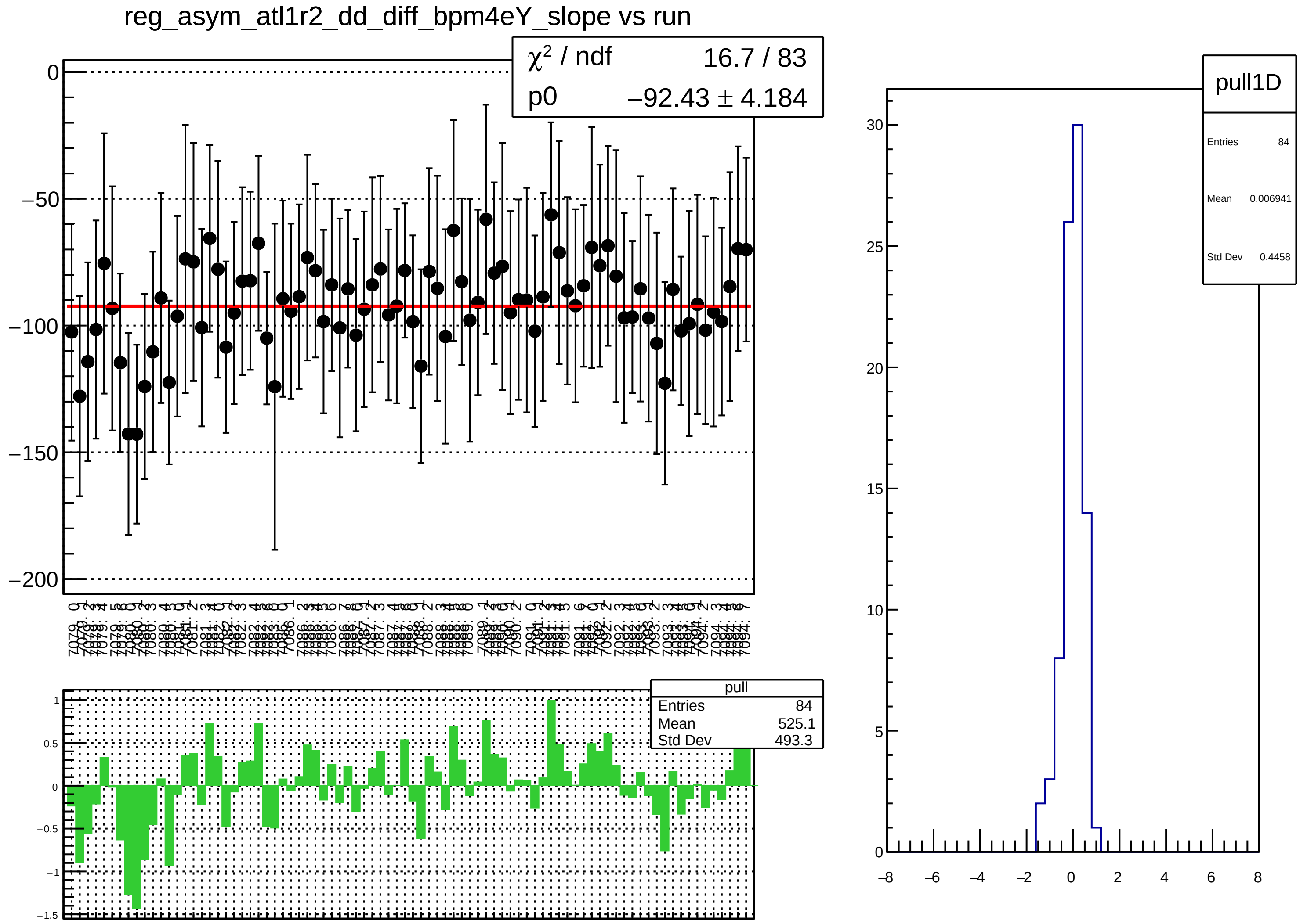
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 236.3 / 83
p0 −140.5 ± 0.229
pull
Entries 84
Mean −914.8
Std Dev 948.9
pull1D
Entries 84
Mean 0.02905
Std Dev 1.677


reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 26.72 / 83
p0 199.9 ± 5.265
300
250
200
150
100
50
pull
Entries 84
Mean 149.5
Std Dev 120.9
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.03114
Std Dev 0.5631
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

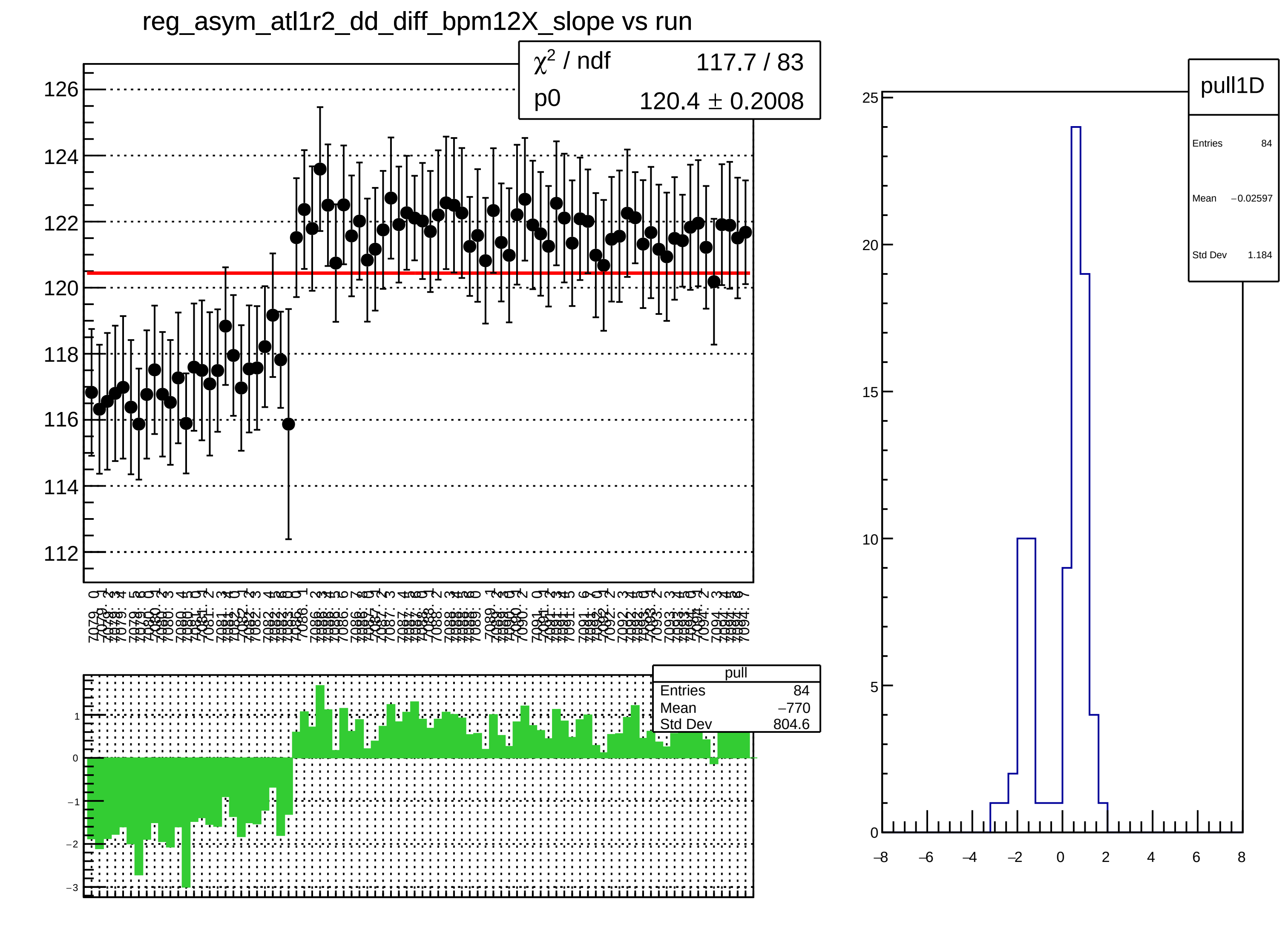

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 15.67 / 83
p0 16.09 ± 3.979
pull
Entries 84
Mean 894.7
Std Dev 862.4
pull1D
Entries 84
Mean −0.003885
Std Dev 0.4319

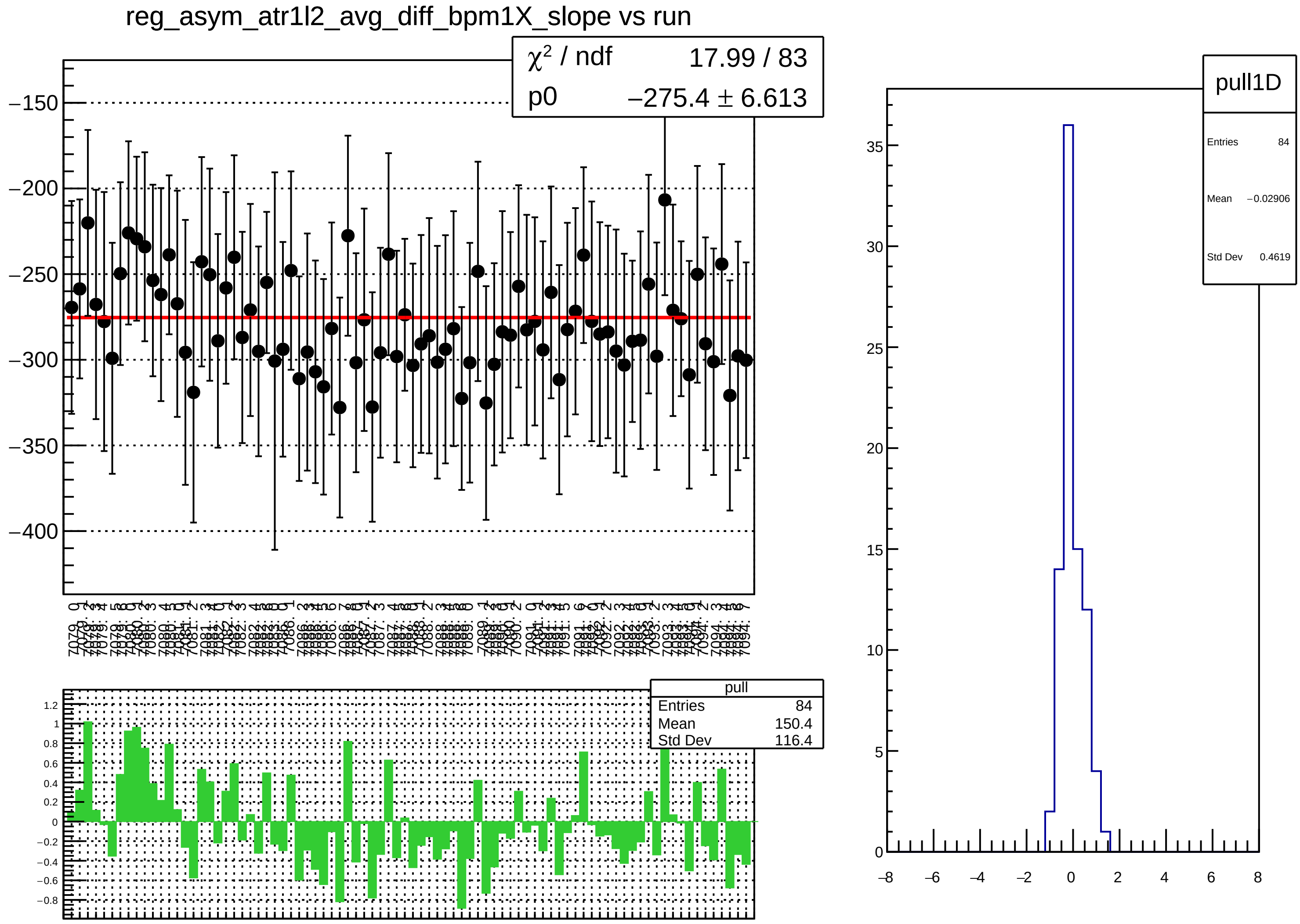


reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.56 / 83
p0 −225.5 ± 5.08
pull
Entries 84
Mean 139.6
Std Dev 110.6
pull1D
Entries 84
Mean −0.03221
Std Dev 0.5506

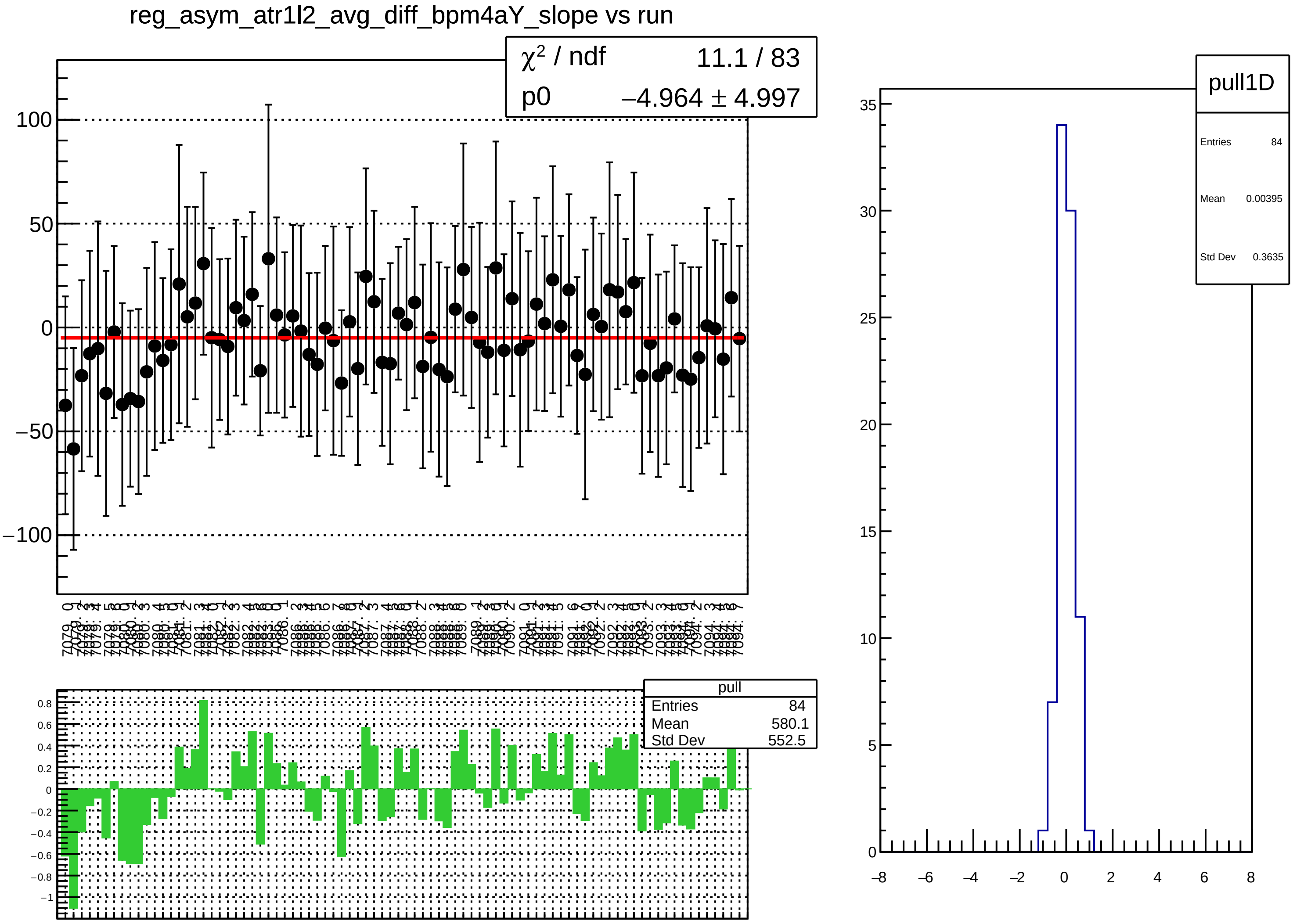


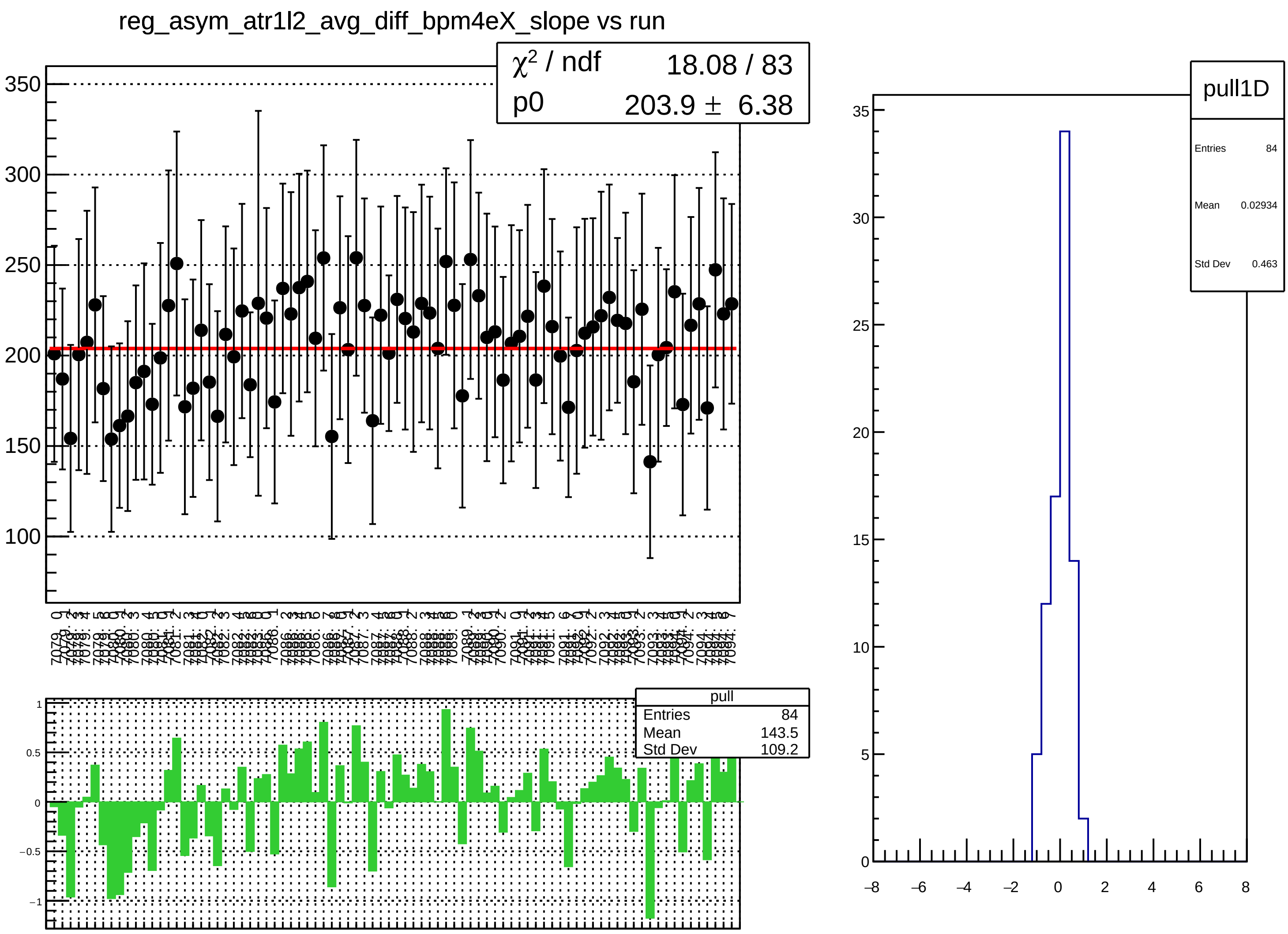
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 16.7 / 83
p0 −92.43 ± 4.184
pull
Entries 84
Mean 525.1
Std Dev 493.3
pull1D
Entries 84
Mean 0.006941
Std Dev 0.4458


reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 117.7 / 83
p0 120.4 ± 0.2008
pull
Entries 84
Mean −770
Std Dev 804.6
pull1D
Entries 84
Mean −0.02597
Std Dev 1.184

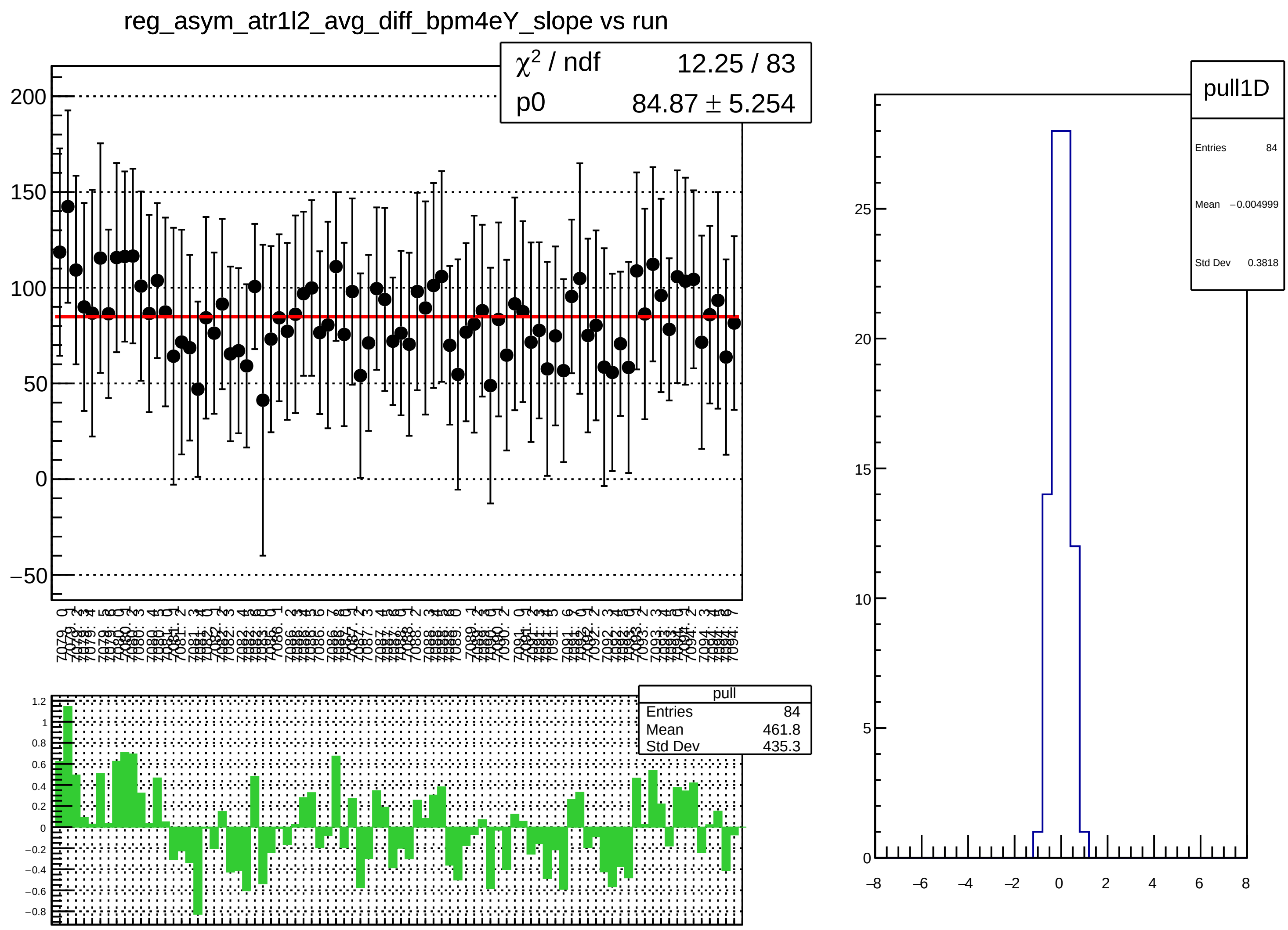


reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 17.99 / 83
p0 −275.4 ± 6.613
pull
Entries 84
Mean 150.4
Std Dev 116.4
pull1D
Entries 84
Mean −0.02906
Std Dev 0.4619

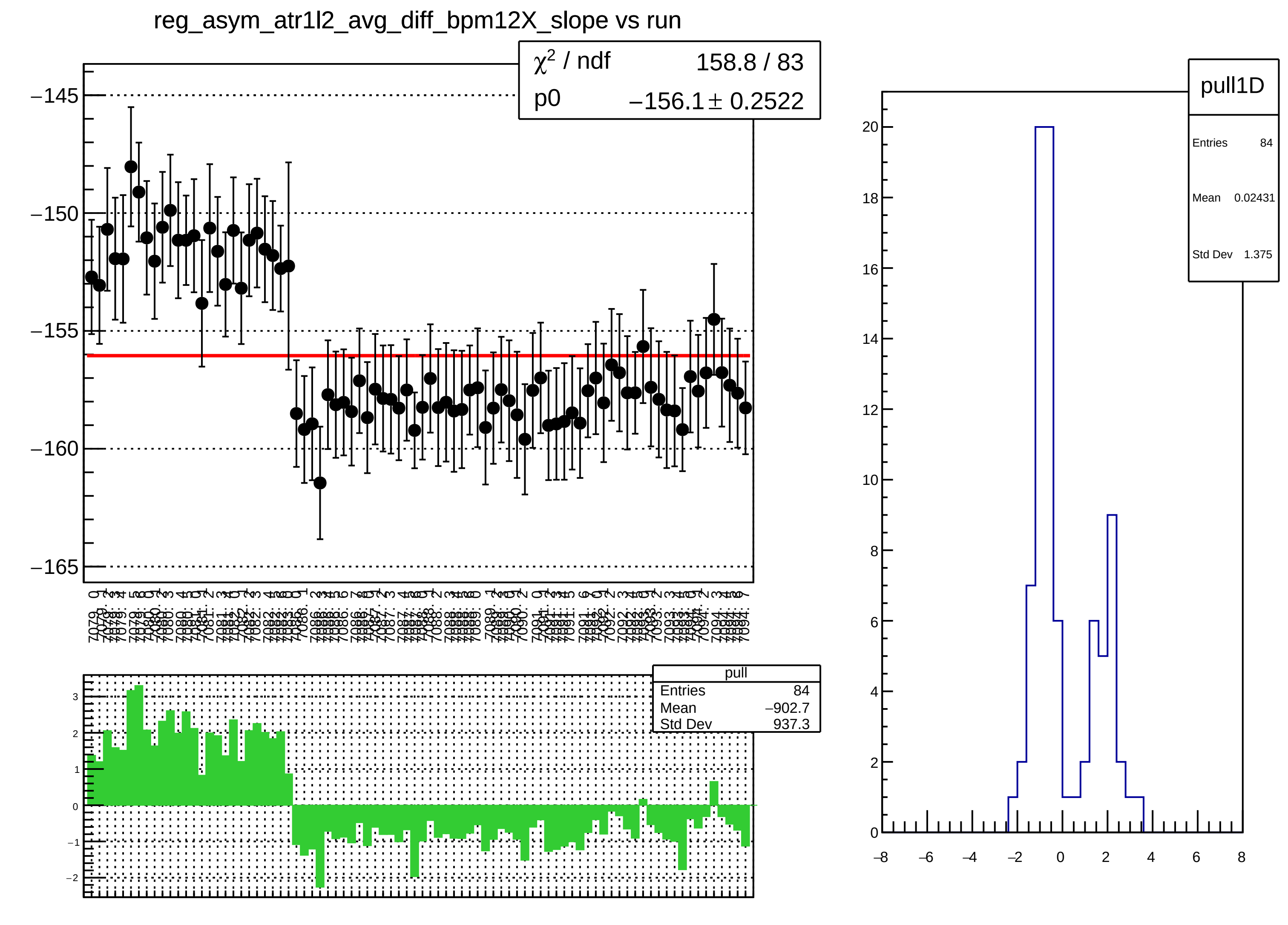

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 11.1 / 83
p0 −4.964 ± 4.997
pull
Entries 84
Mean 580.1
Std Dev 552.5
pull1D
Entries 84
Mean 0.00395
Std Dev 0.3635



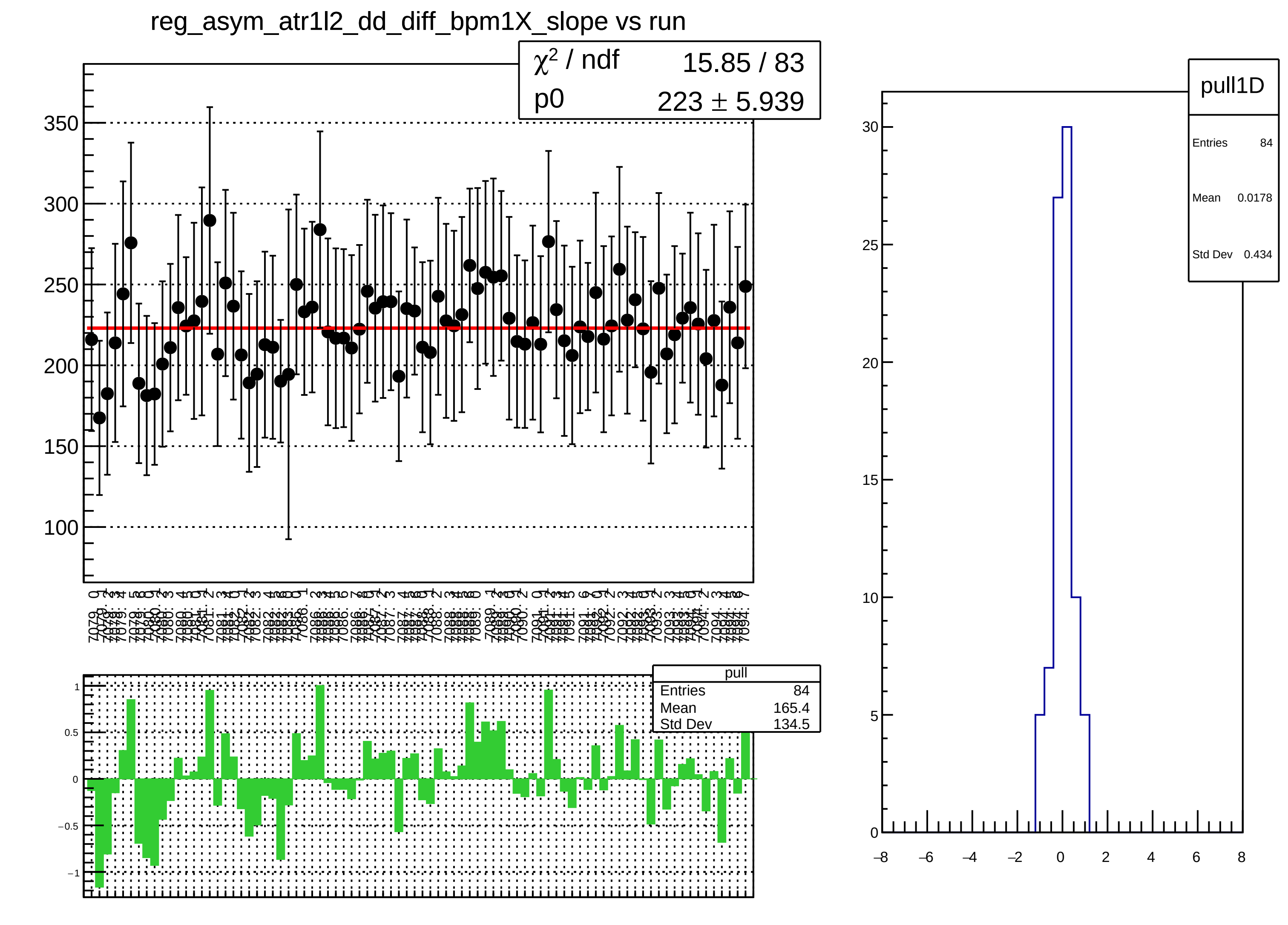
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 18.08 / 83
p0 203.9 ± 6.38
pull
Entries 84
Mean 143.5
Std Dev 109.2
pull1D
Entries 84
Mean 0.02934
Std Dev 0.463



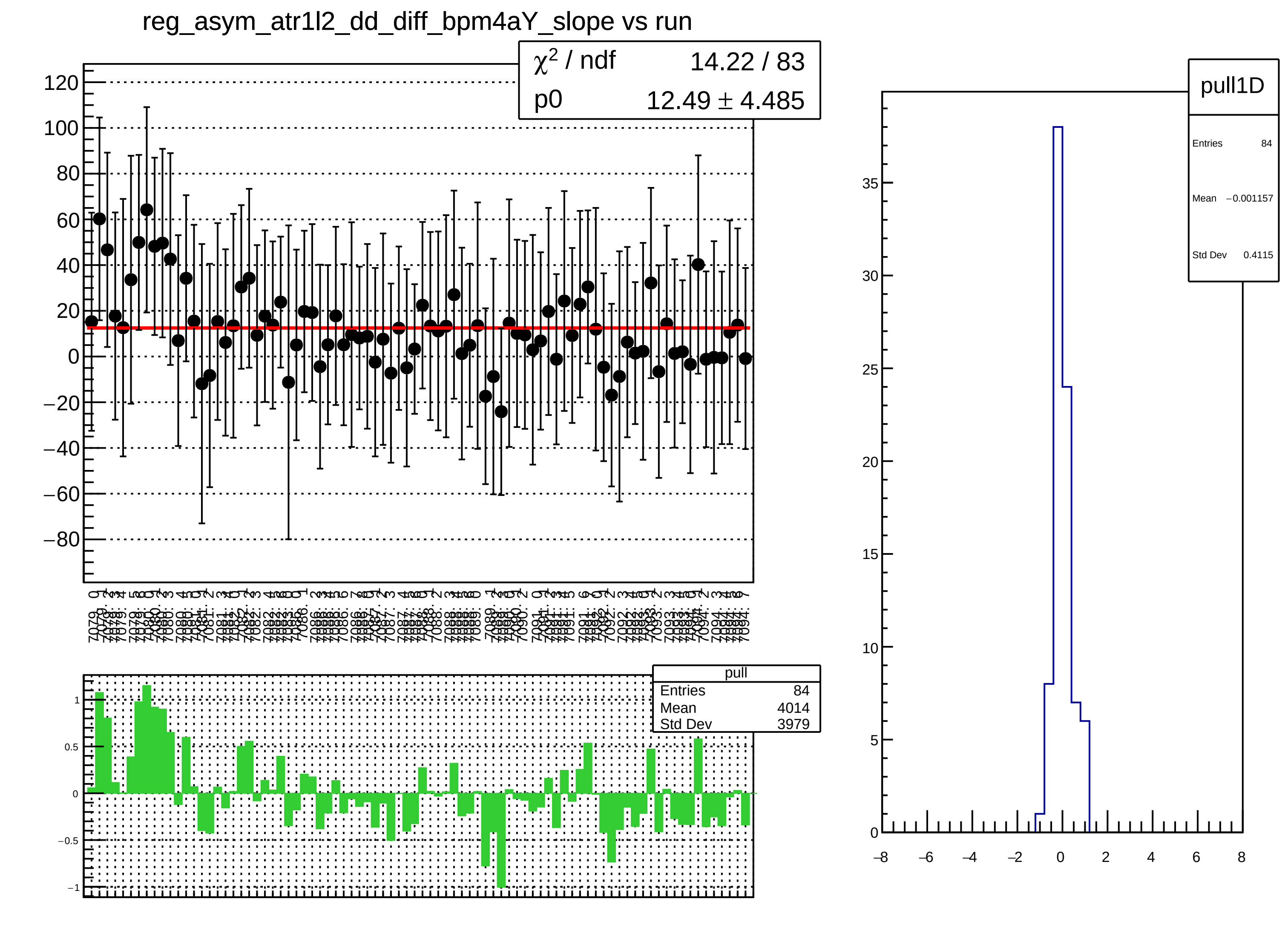
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 12.25 / 83
p0 84.87 ± 5.254
pull
Entries 84
Mean 461.8
Std Dev 435.3
pull1D
Entries 84
Mean −0.004999
Std Dev 0.3818

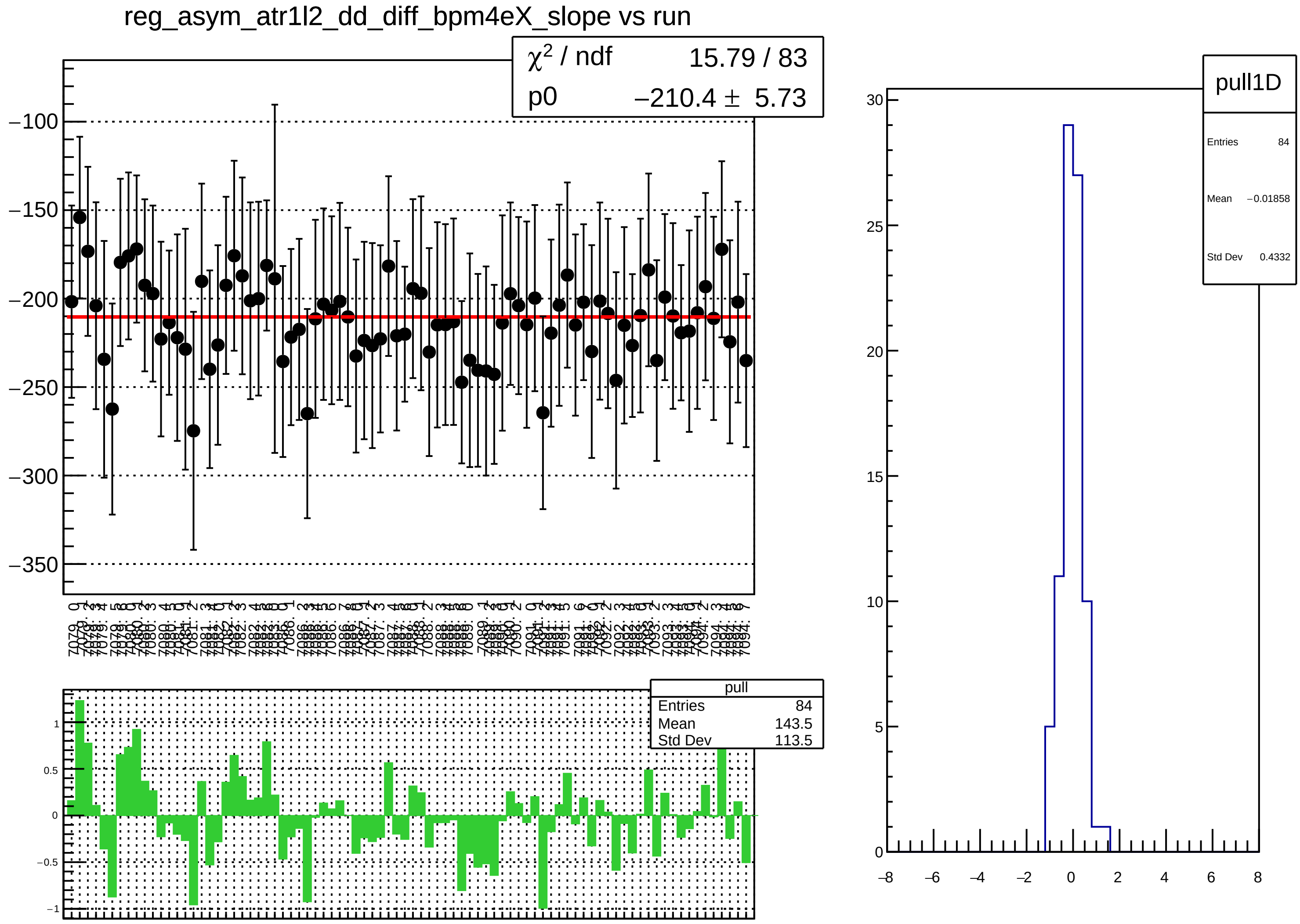


reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 158.8 / 83
p0 −156.1 ± 0.2522
pull
Entries 84
Mean −902.7
Std Dev 937.3
pull1D
Entries 84
Mean 0.02431
Std Dev 1.375

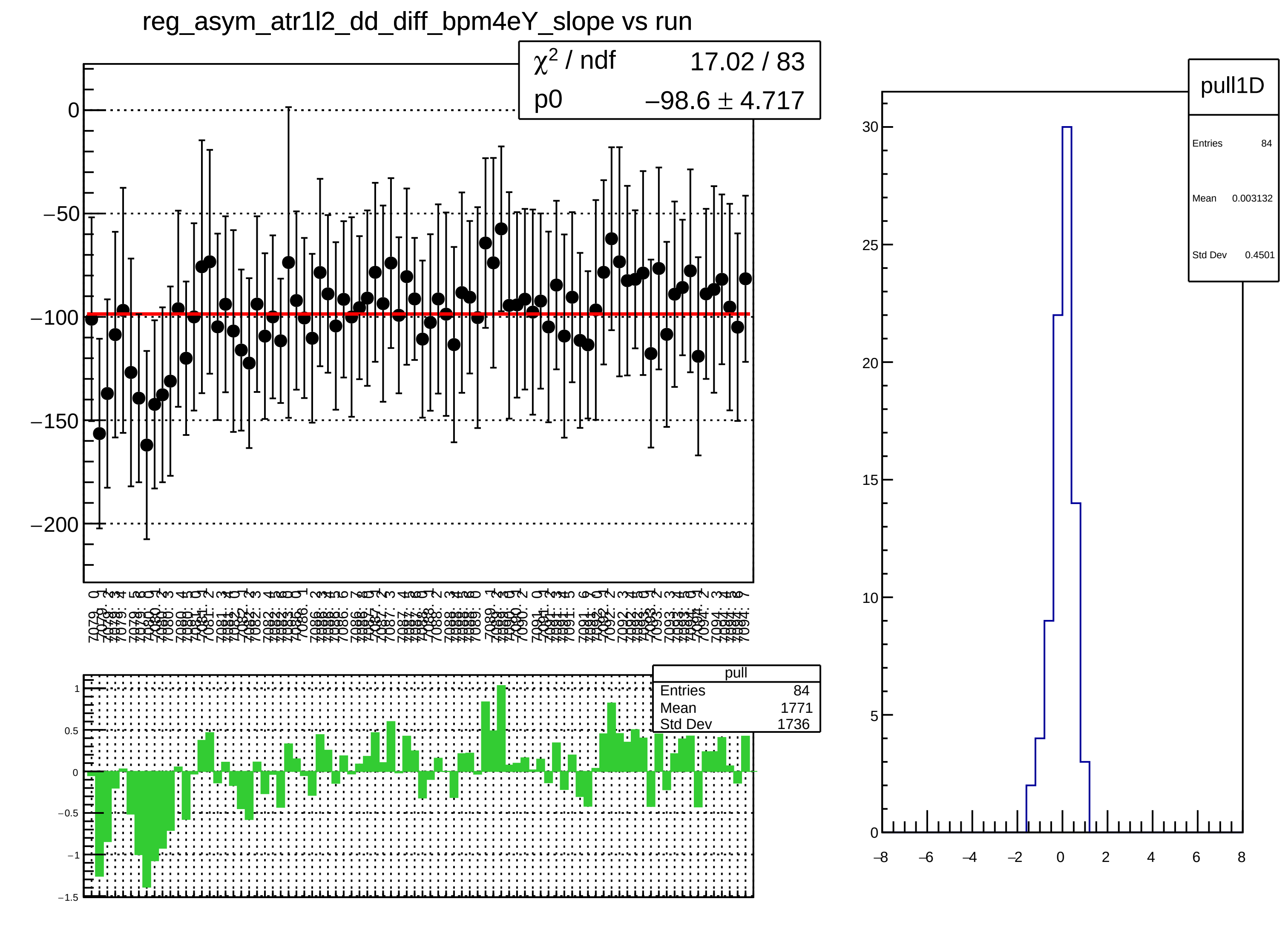


reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 15.85 / 83
p0 223 ± 5.939
pull
Entries 84
Mean 165.4
Std Dev 134.5
pull1D
Entries 84
Mean 0.0178
Std Dev 0.434

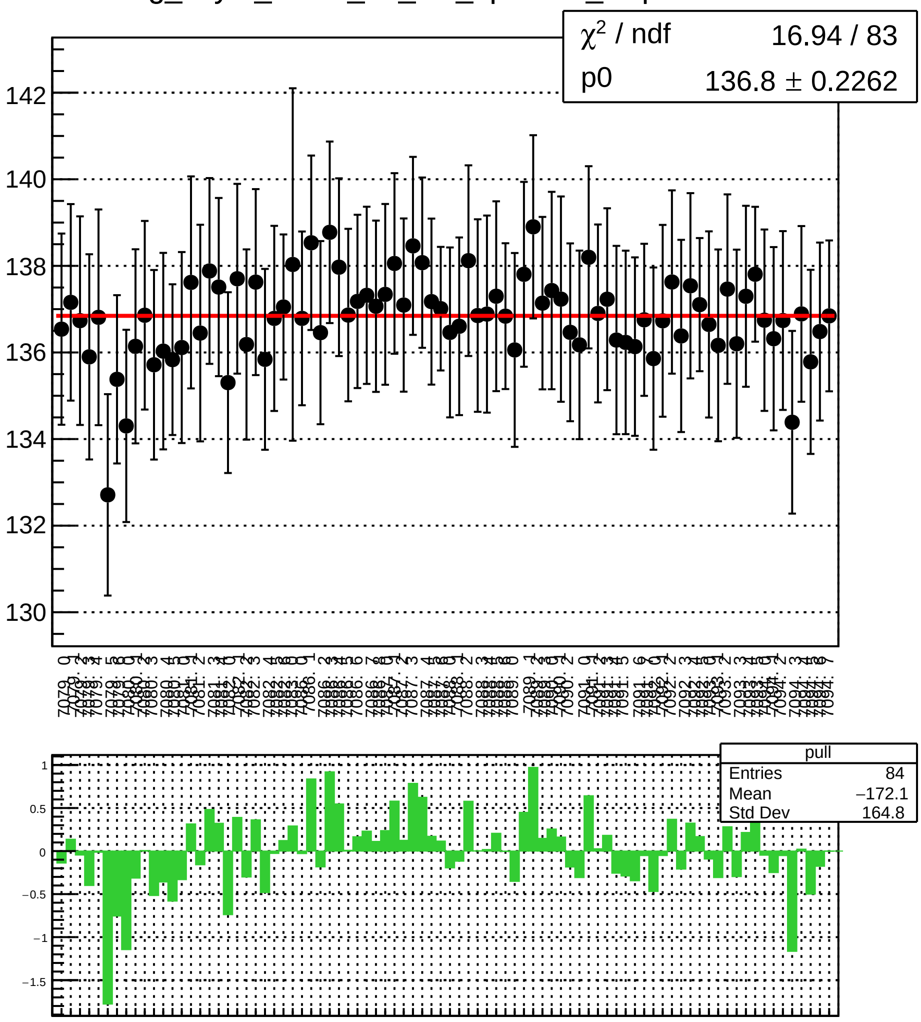

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 14.22 / 83
p0 12.49 ± 4.485
pull
Entries 84
Mean 4014
Std Dev 3979
pull1D
Entries 84
Mean −0.001157
Std Dev 0.4115

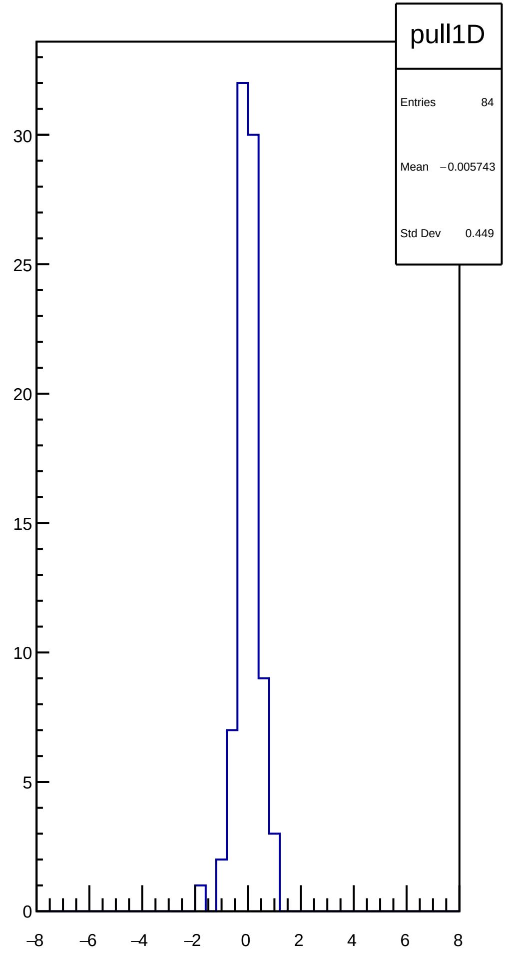


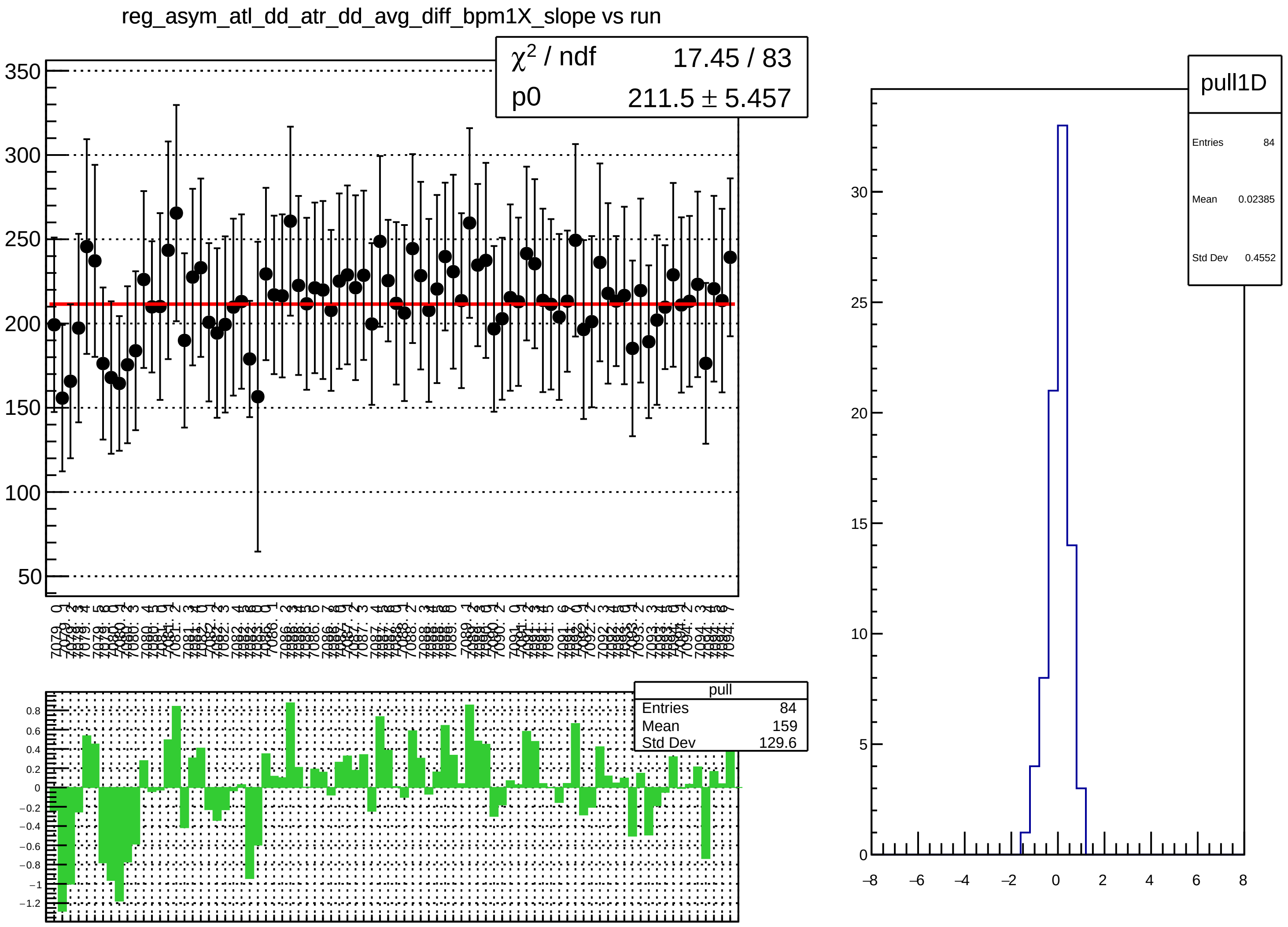
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 15.79 / 83
p0 −210.4 ± 5.73
pull
Entries 84
Mean 143.5
Std Dev 113.5
pull1D
Entries 84
Mean −0.01858
Std Dev 0.4332


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 17.02 / 83
p0 −98.6 ± 4.717
0
−50
−100
−150
−200
pull
Entries 84
Mean 1771
Std Dev 1736
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.003132
Std Dev 0.4501
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

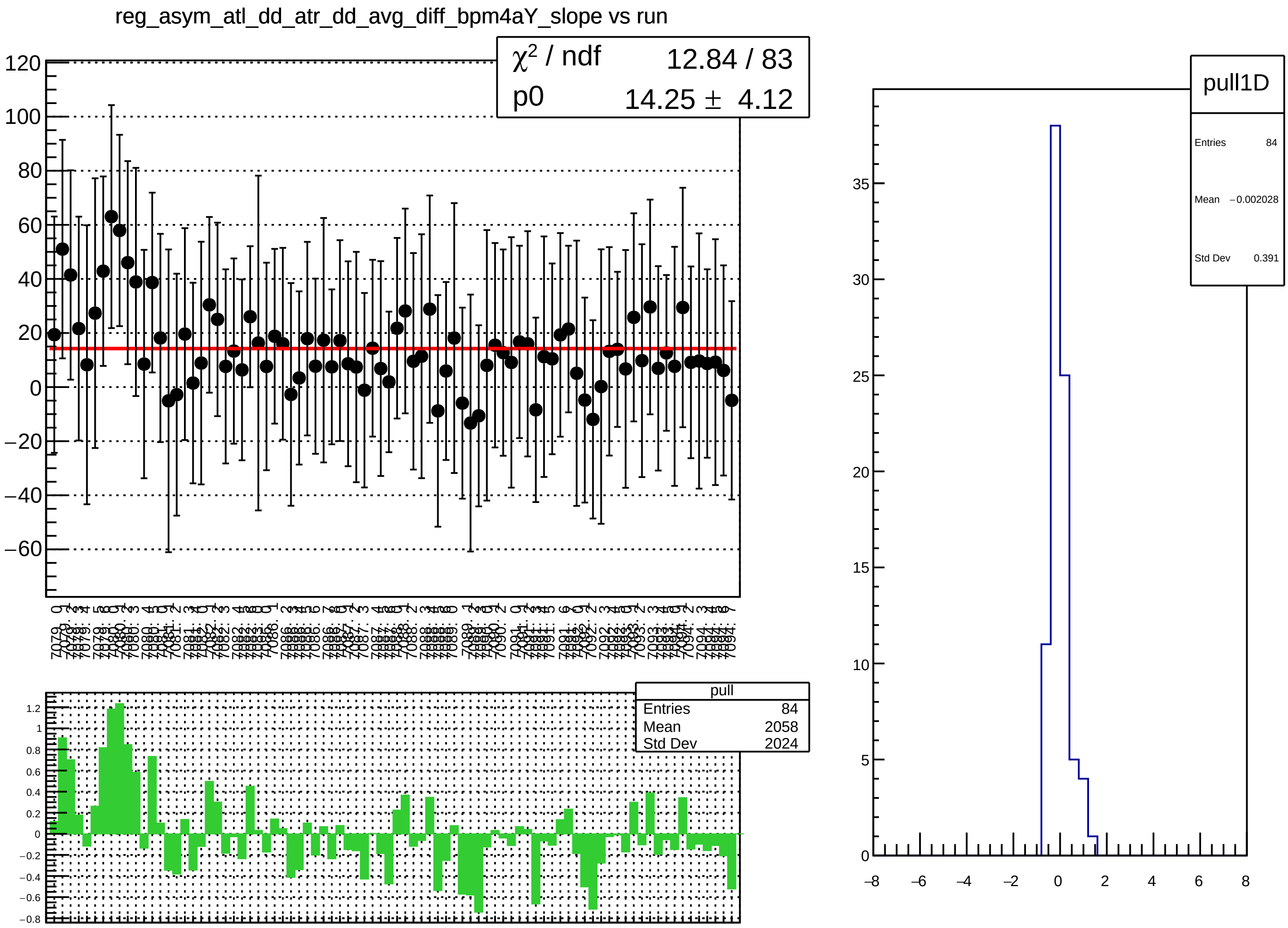
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run

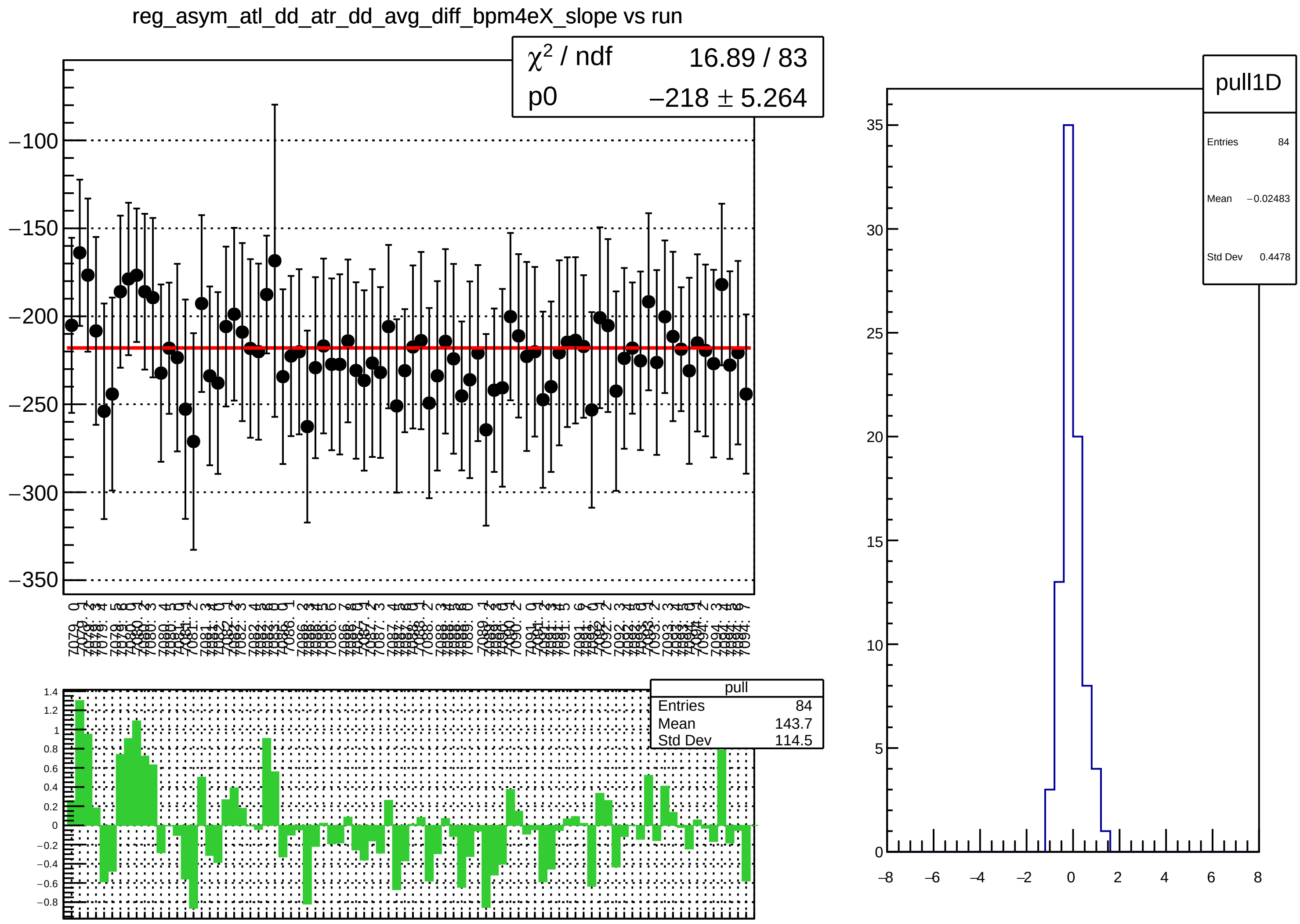




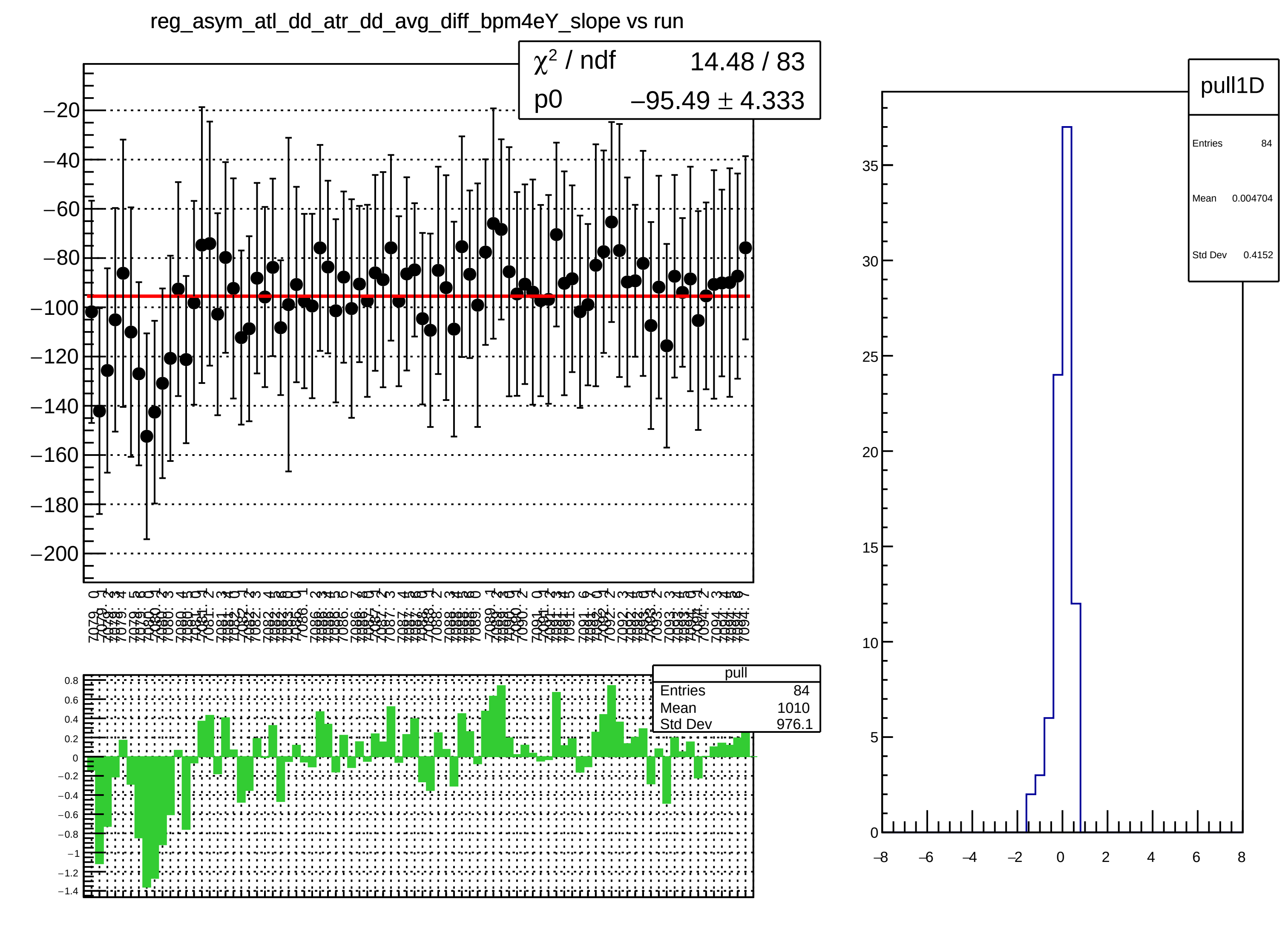


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 17.45 / 83
p0 211.5 ± 5.457
pull
Entries 84
Mean 159
Std Dev 129.6
pull1D
Entries 84
Mean 0.02385
Std Dev 0.4552

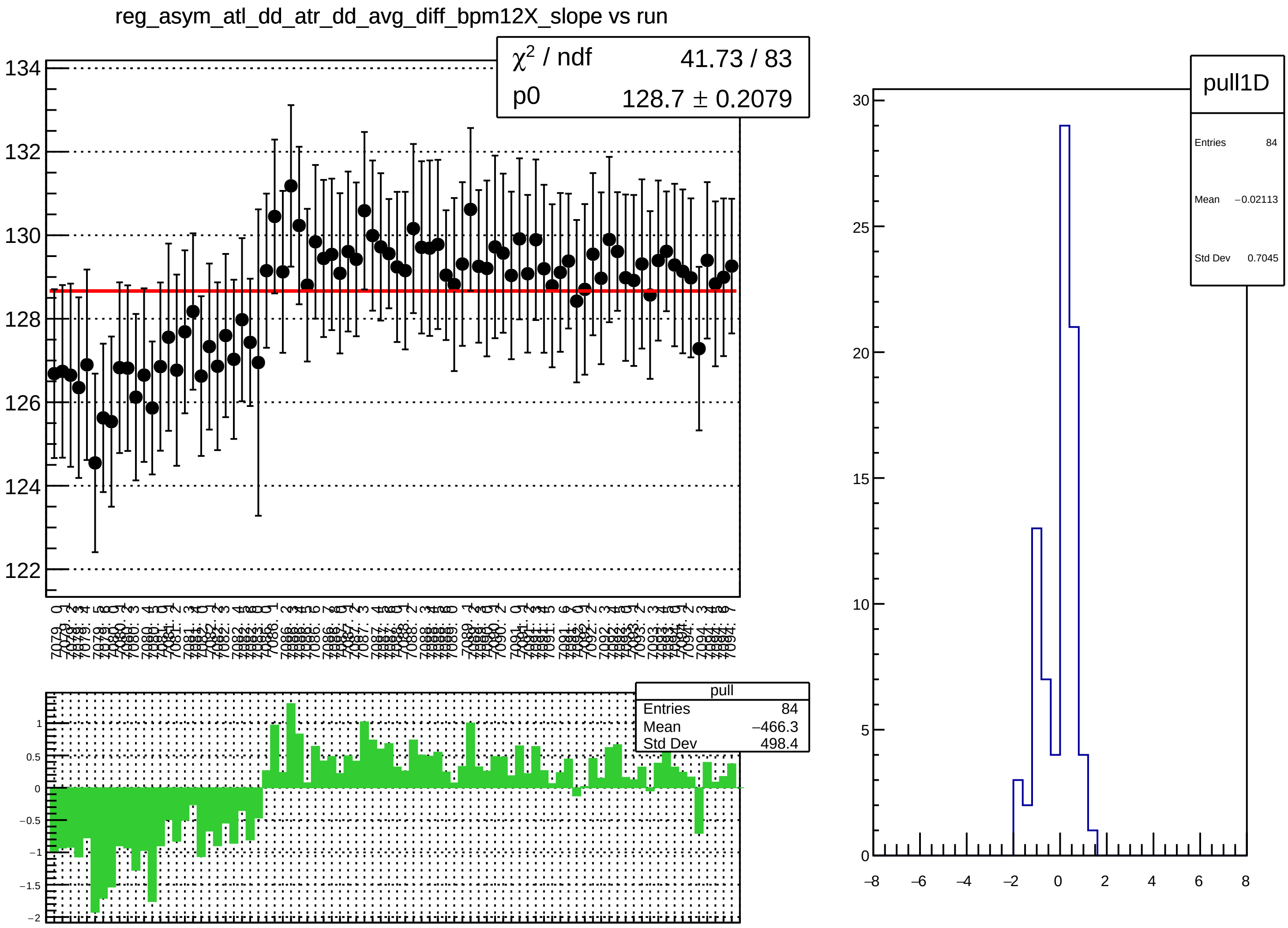

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.84 / 83
p0 14.25 ± 4.12
pull
Entries 84
Mean 2058
Std Dev 2024
pull1D
Entries 84
Mean −0.002028
Std Dev 0.391



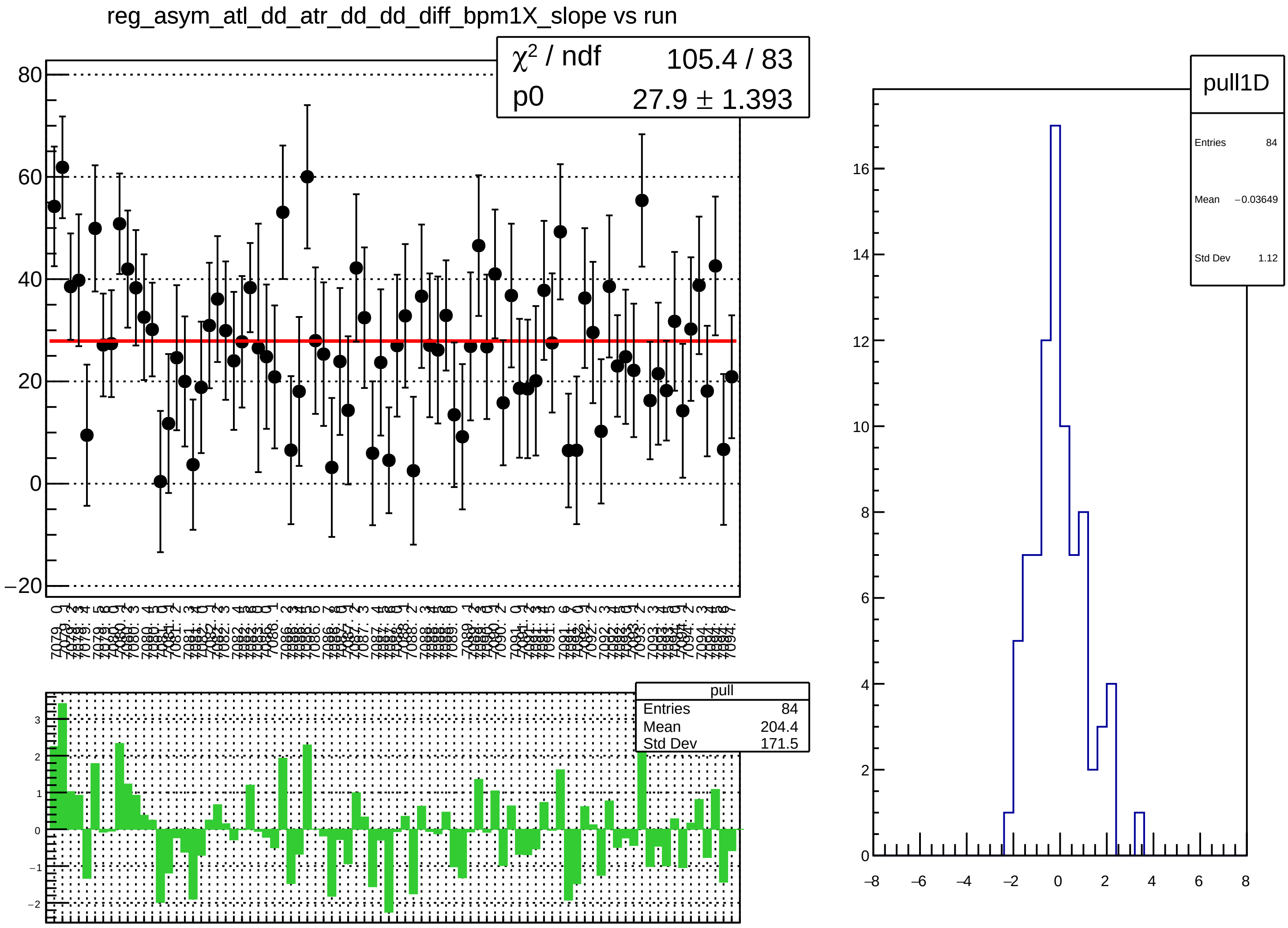
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 16.89 / 83
p0 −218 ± 5.264
pull
Entries 84
Mean 143.7
Std Dev 114.5
pull1D
Entries 84
Mean −0.02483
Std Dev 0.4478

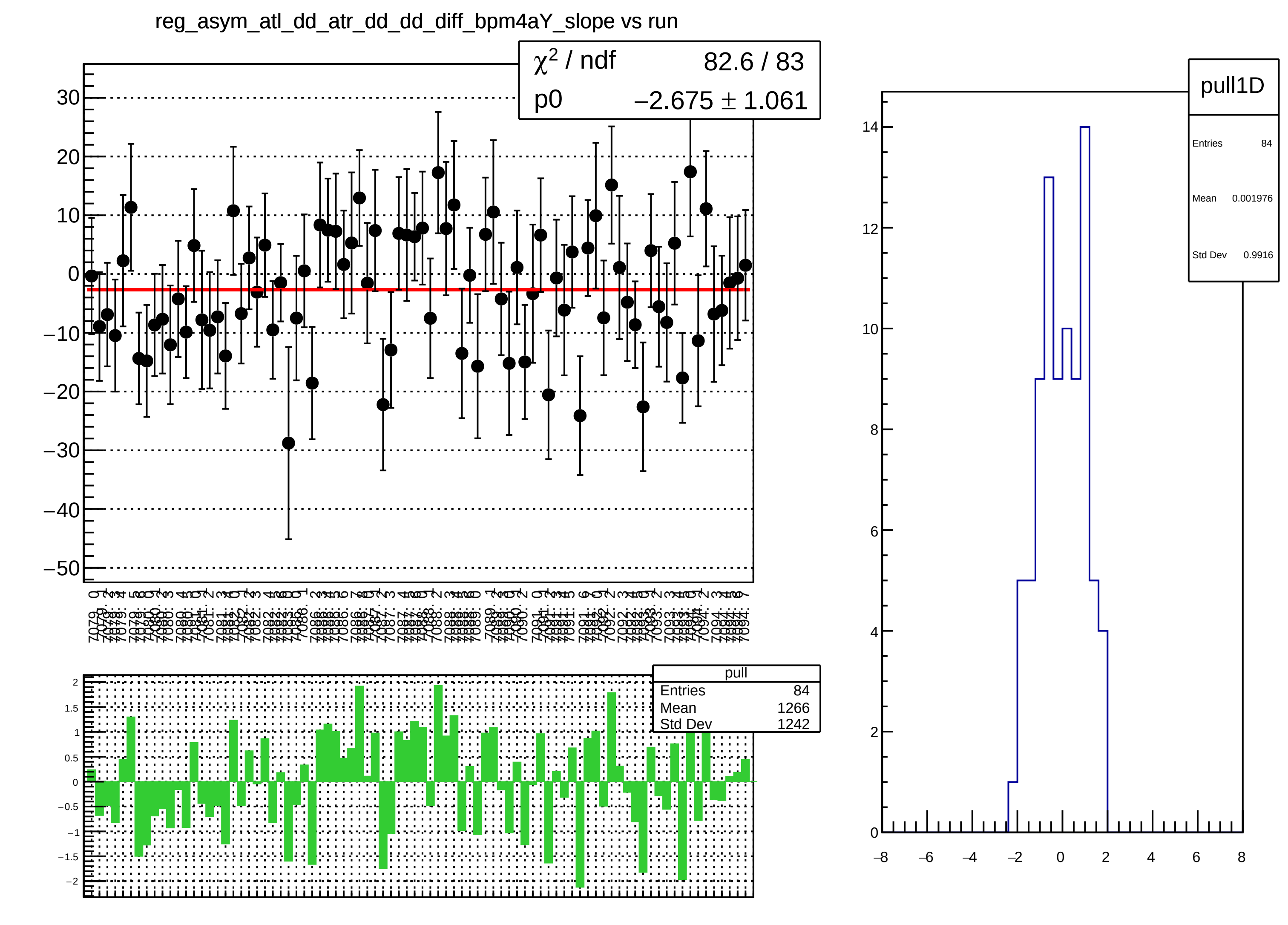


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.48 / 83
p0 −95.49 ± 4.333
pull
Entries 84
Mean 1010
Std Dev 976.1
pull1D
Entries 84
Mean 0.004704
Std Dev 0.4152

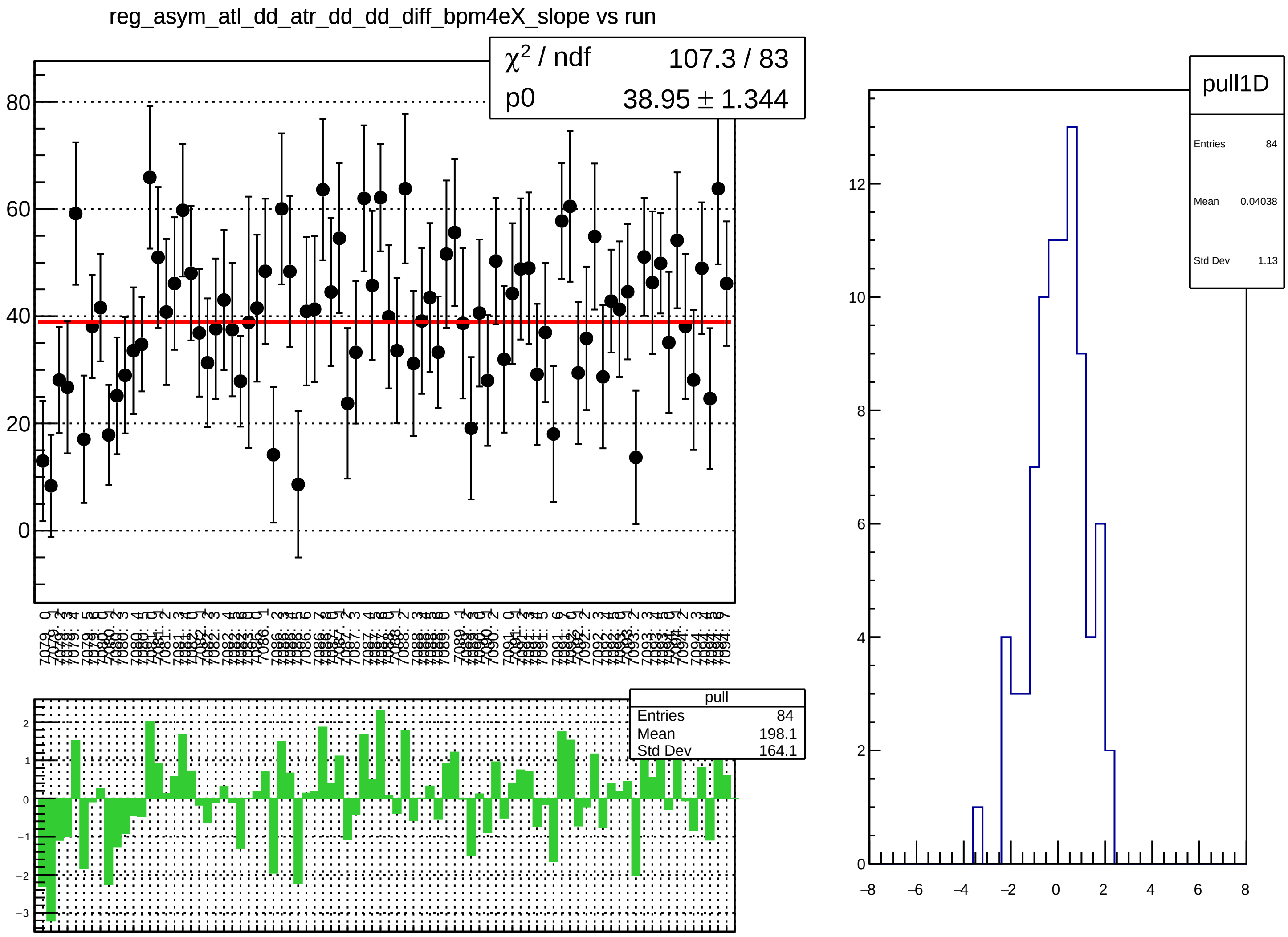


reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 41.73 / 83
p0 128.7 ± 0.2079
pull
Entries 84
Mean −466.3
Std Dev 498.4
pull1D
Entries 84
Mean −0.02113
Std Dev 0.7045

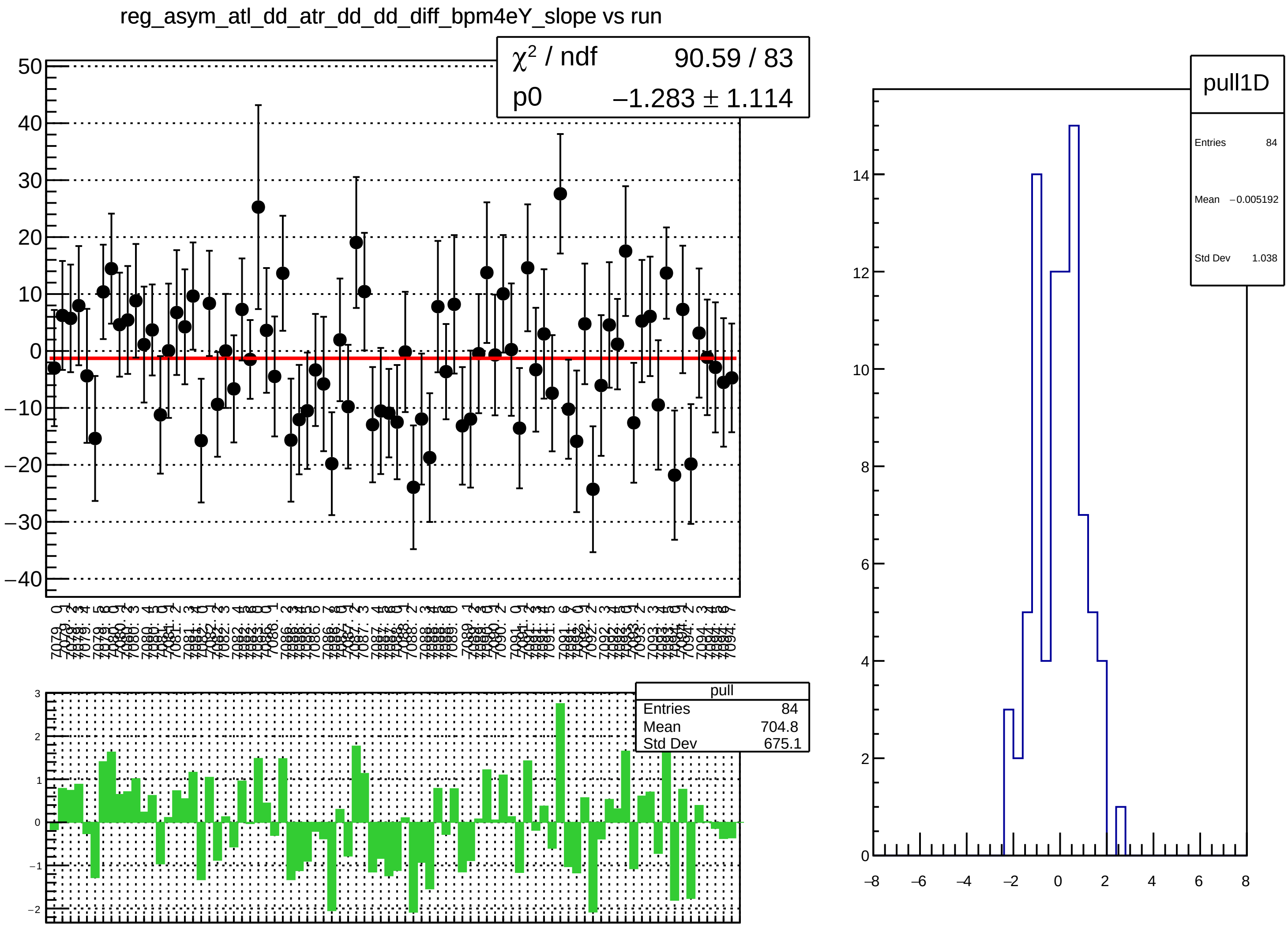

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 105.4 / 83
p0 27.9 ± 1.393
pull
Entries 84
Mean 204.4
Std Dev 171.5
pull1D
Entries 84
Mean −0.03649
Std Dev 1.12



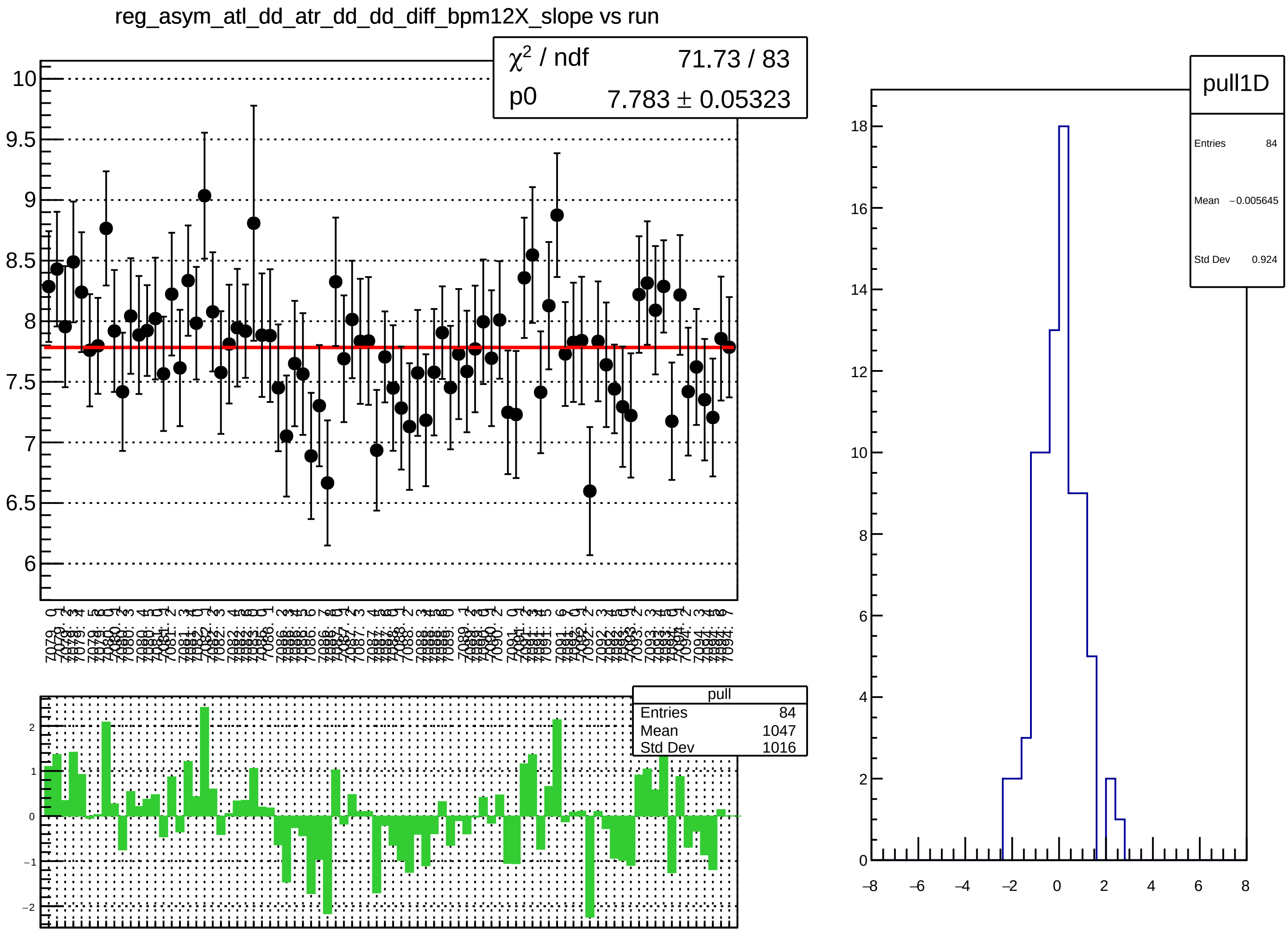
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 82.6 / 83
p0 −2.675 ± 1.061
pull
Entries 84
Mean 1266
Std Dev 1242
pull1D
Entries 84
Mean 0.001976
Std Dev 0.9916



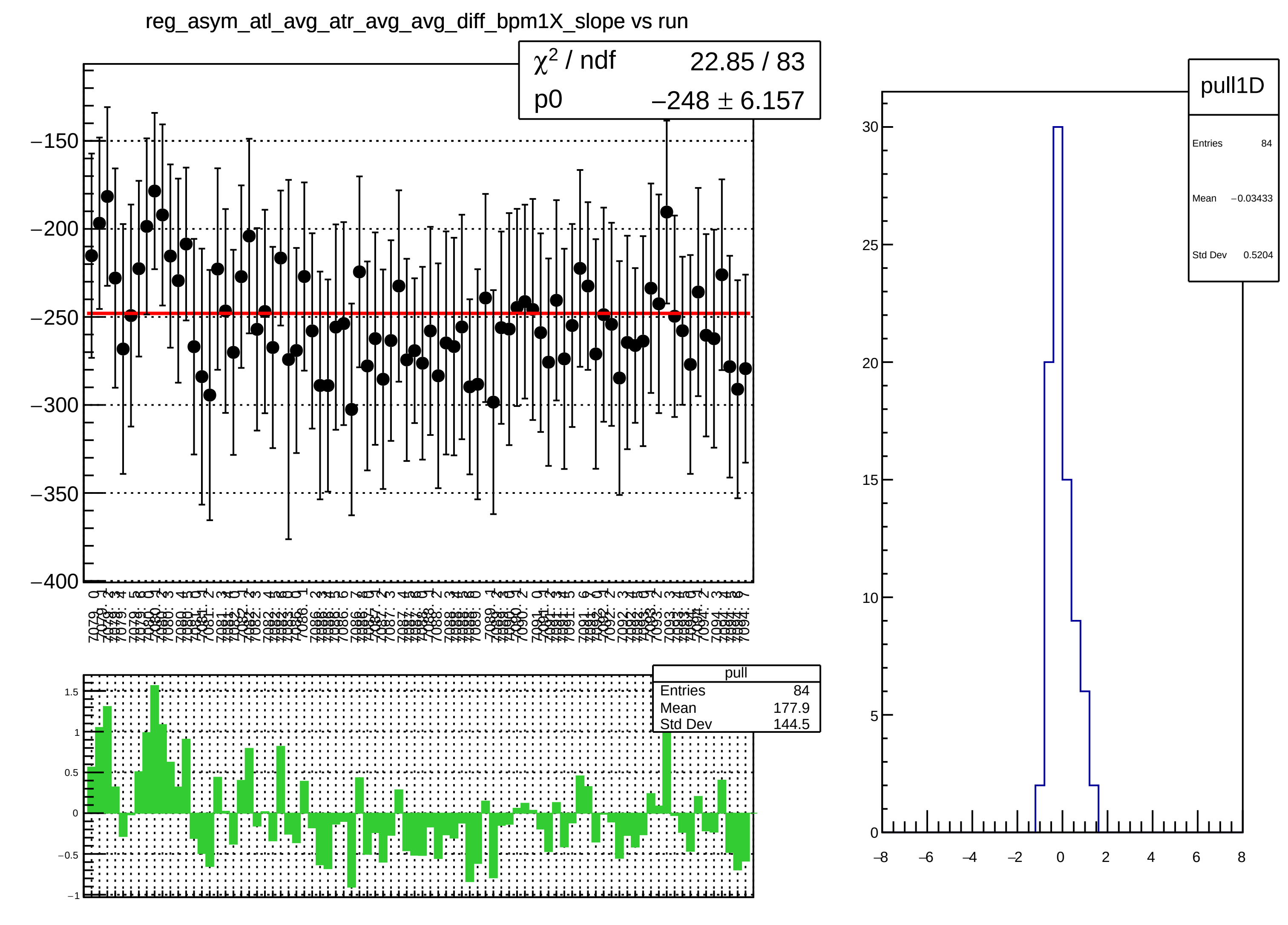
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 107.3 / 83
p0 38.95 ± 1.344
pull
Entries 84
Mean 198.1
Std Dev 164.1
pull1D
Entries 84
Mean 0.04038
Std Dev 1.13

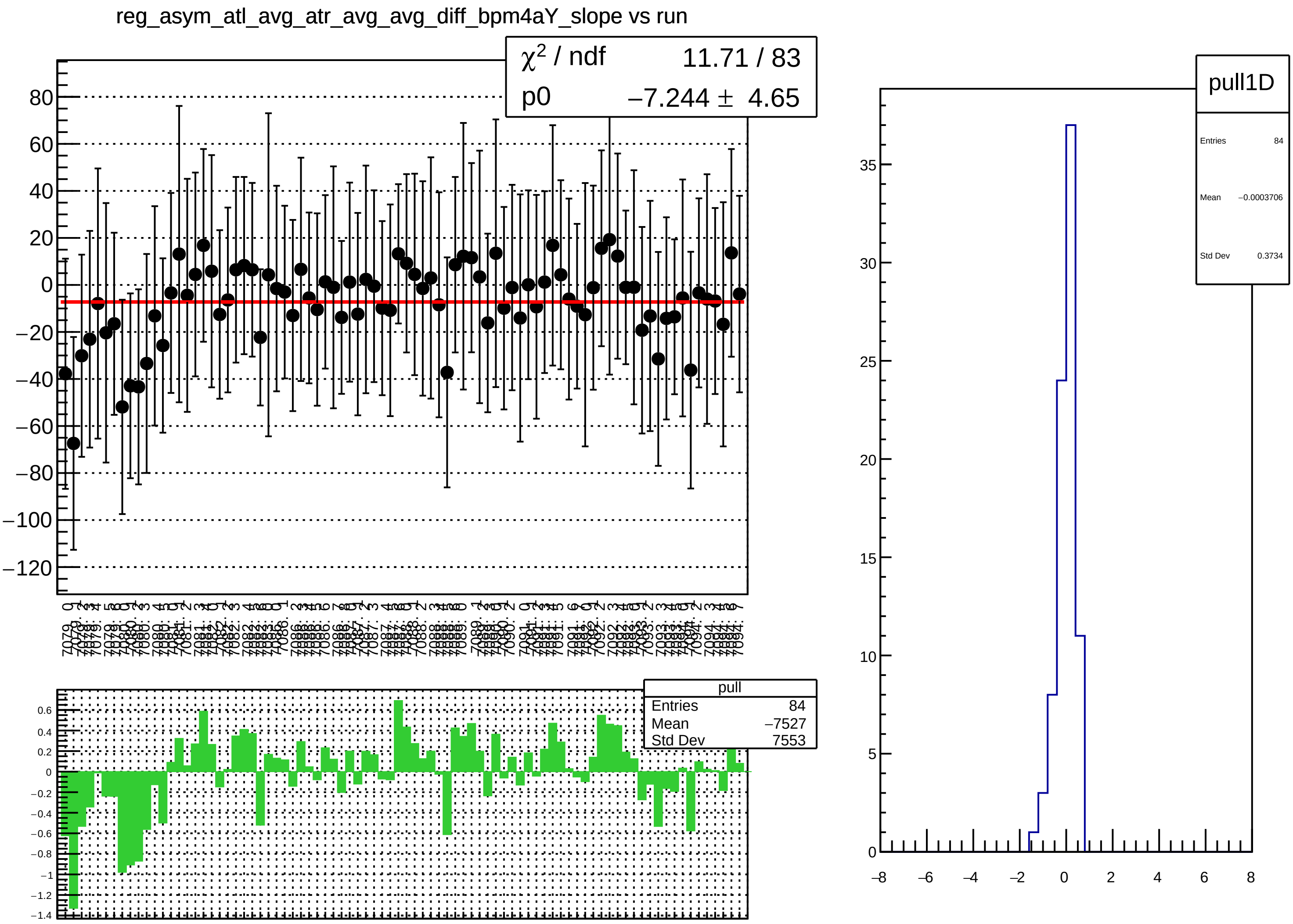


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 90.59 / 83
p0 −1.283 ± 1.114
pull
Entries 84
Mean 704.8
Std Dev 675.1
pull1D
Entries 84
Mean −0.005192
Std Dev 1.038

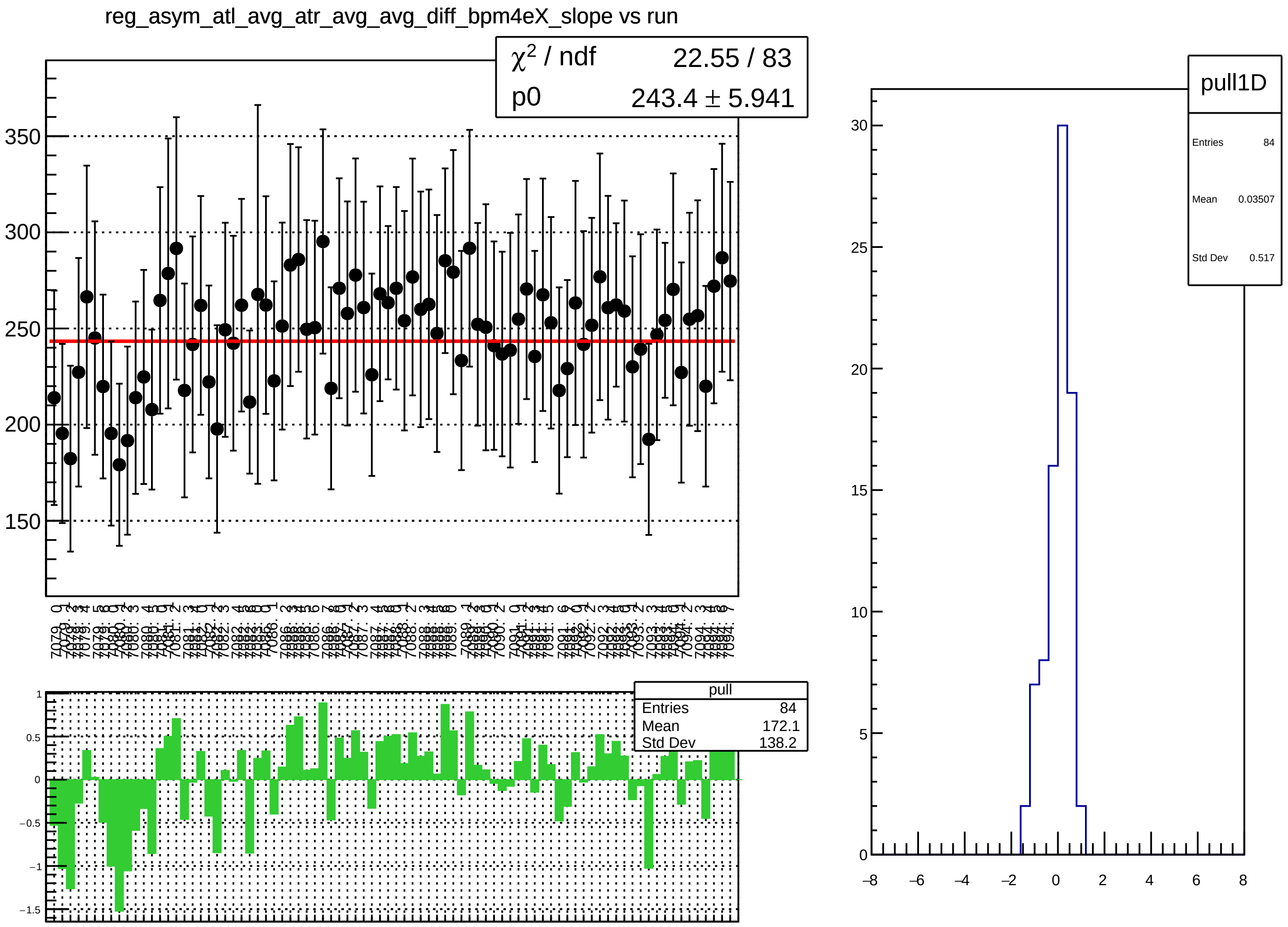


reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 71.73 / 83
p0 7.783 ± 0.05323
10
9.5
9
8.5
8
7.5
7
6.5
6
pull
Entries 84
Mean 1047
Std Dev 1016
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.005645
Std Dev 0.924
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

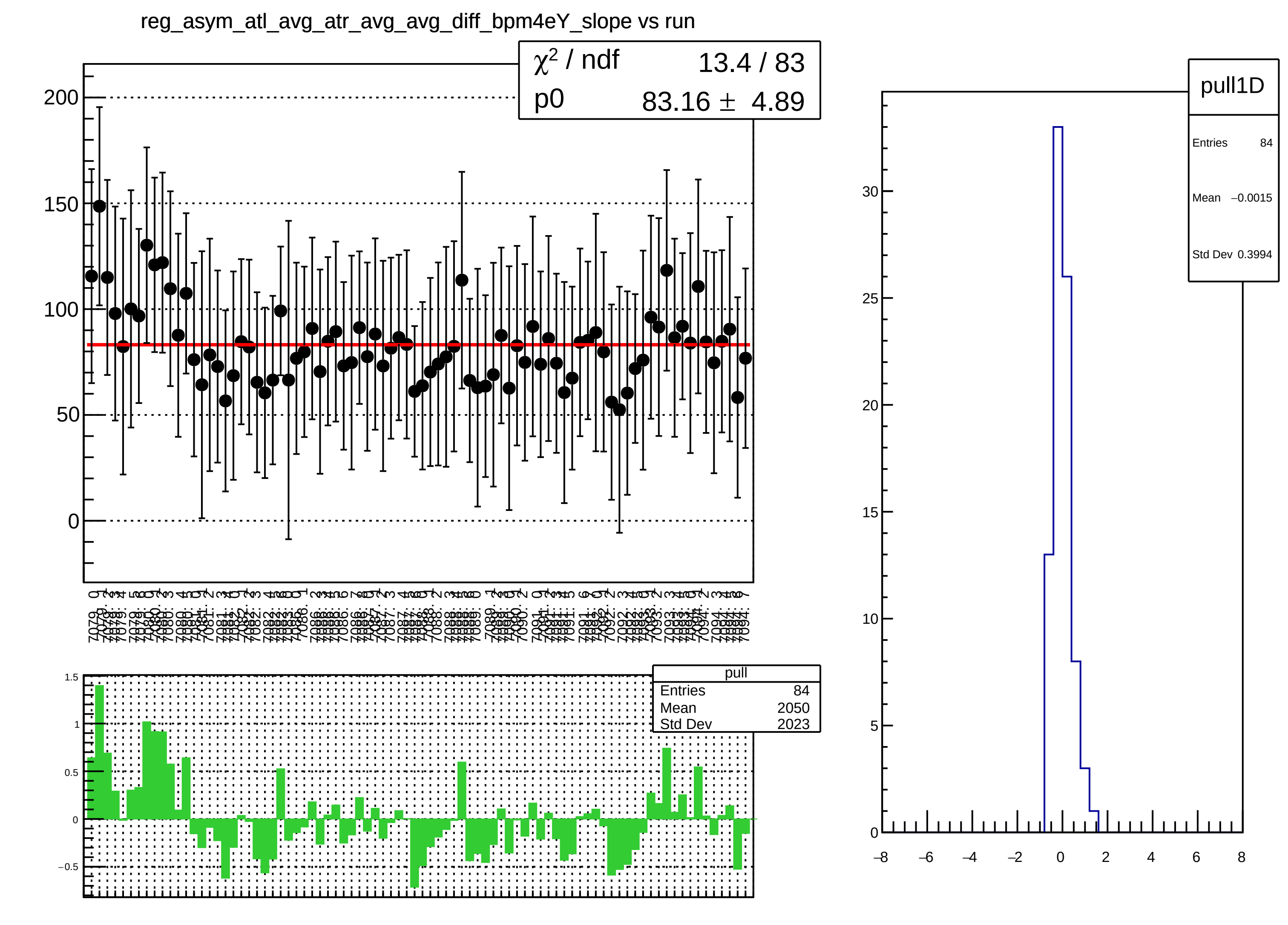

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ2 / ndf 22.85 / 83
p0 −248 ± 6.157
−150
−200
−250
−300
−350
−400
pull
Entries 84
Mean 177.9
Std Dev 144.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.03433
Std Dev 0.5204
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



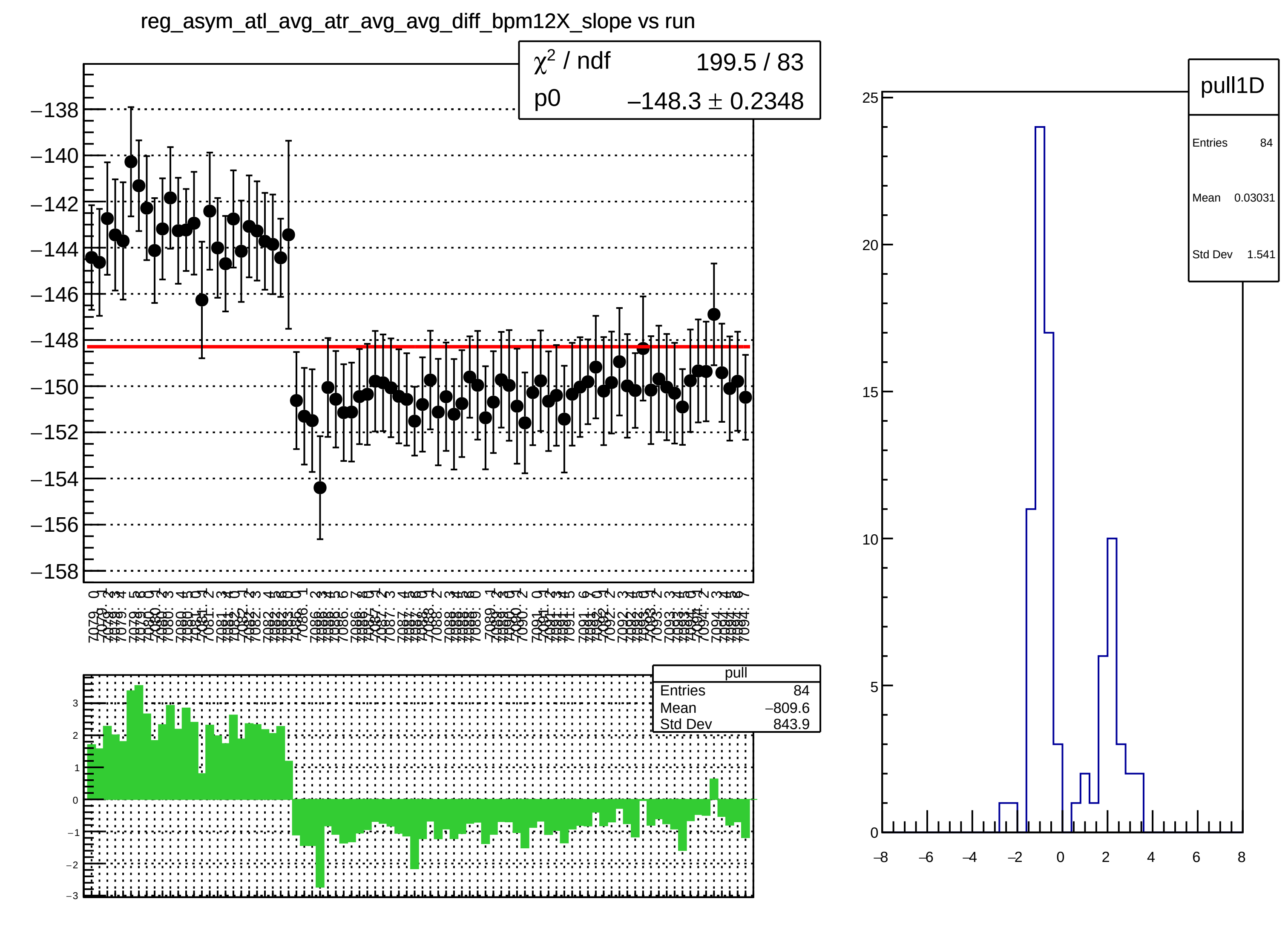
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 11.71 / 83
p0 −7.244 ± 4.65
pull
Entries 84
Mean −7527
Std Dev 7553
pull1D
Entries 84
Mean −0.0003706
Std Dev 0.3734



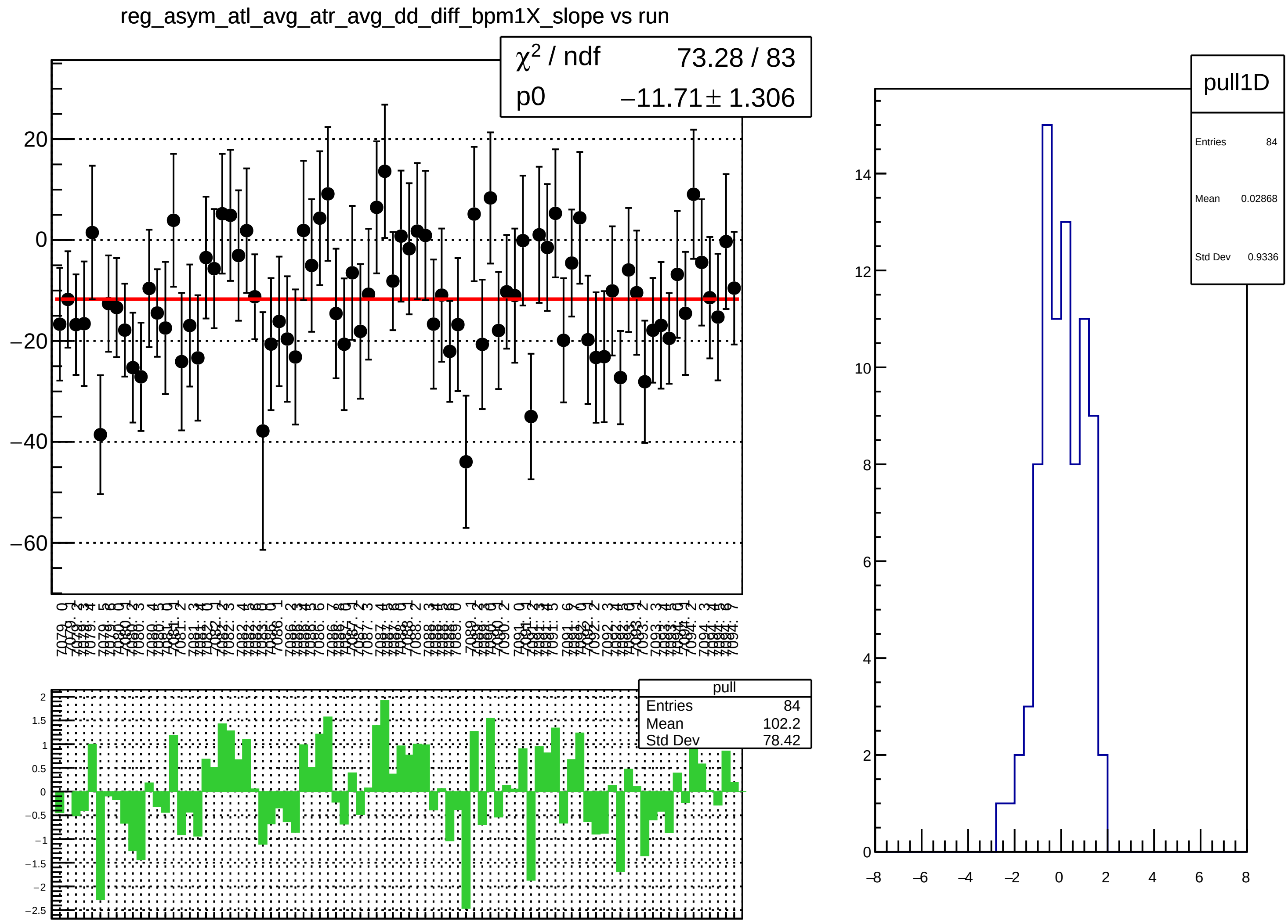
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 22.55 / 83
p0 243.4 ± 5.941
pull
Entries 84
Mean 172.1
Std Dev 138.2
pull1D
Entries 84
Mean 0.03507
Std Dev 0.517

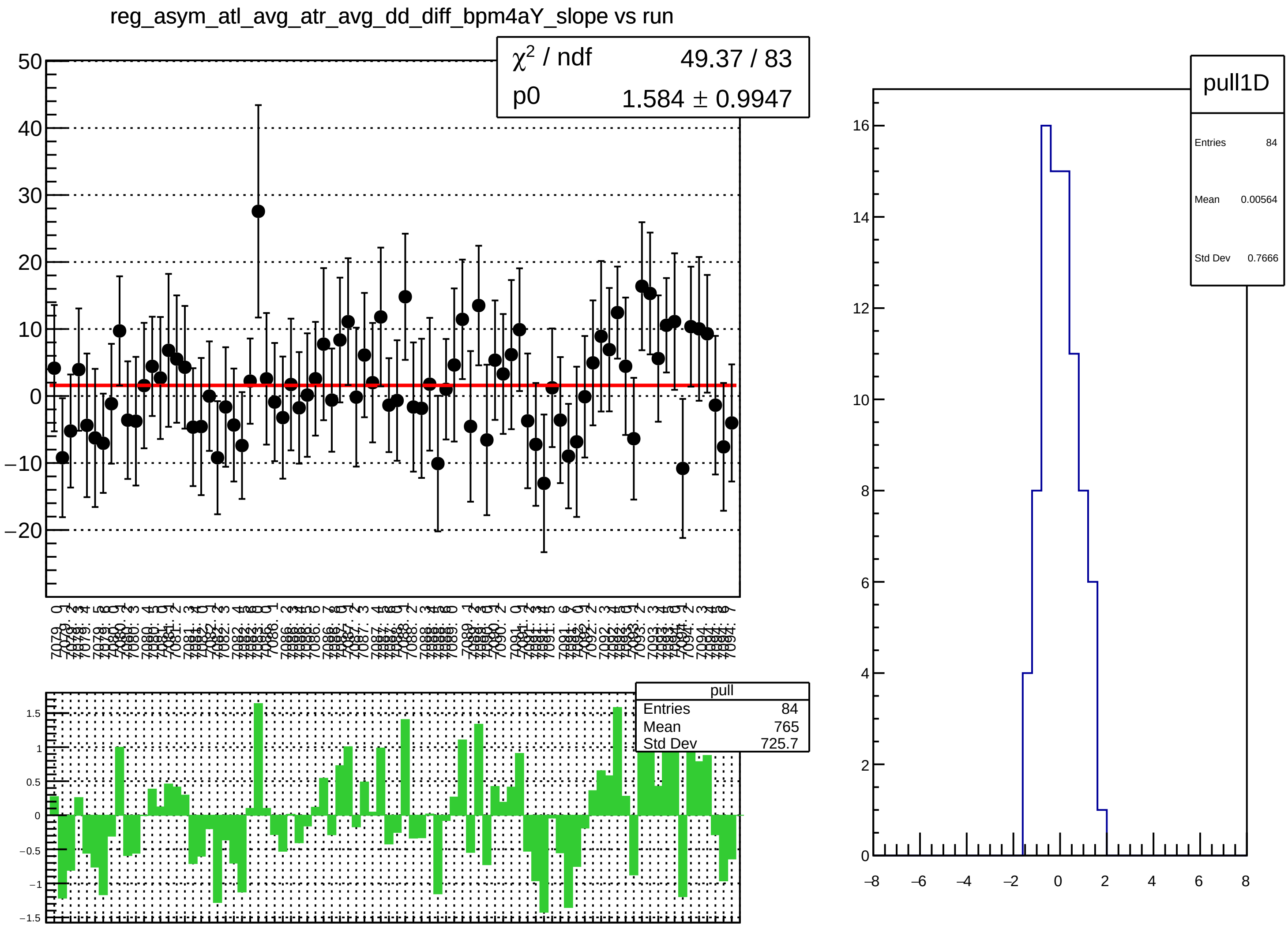


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 13.4 / 83
p0 83.16 ± 4.89
pull
Entries 84
Mean 2050
Std Dev 2023
pull1D
Entries 84
Mean −0.0015
Std Dev 0.3994

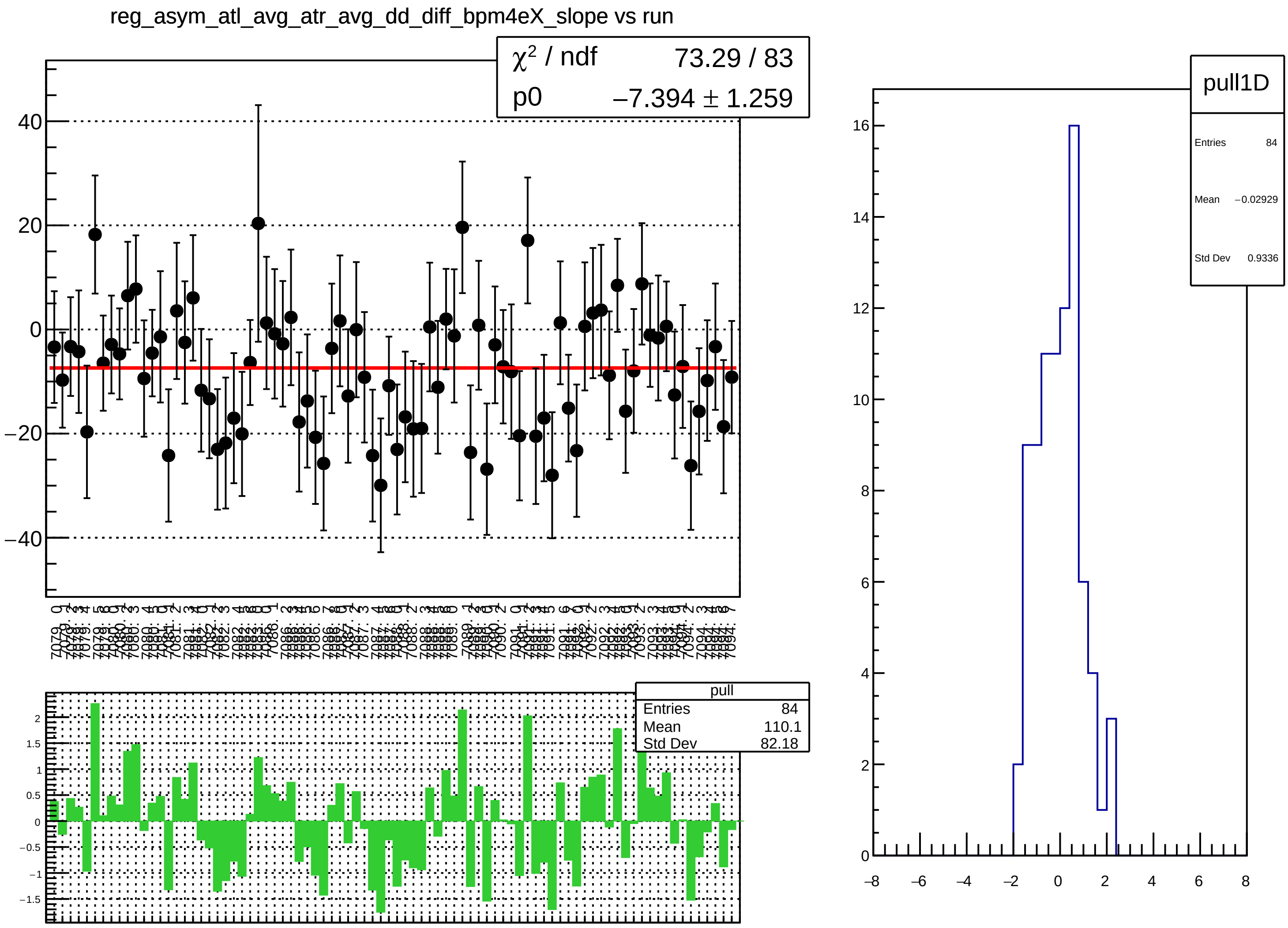


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 199.5 / 83
p0 −148.3 ± 0.2348
pull
Entries 84
Mean −809.6
Std Dev 843.9
pull1D
Entries 84
Mean 0.03031
Std Dev 1.541


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 73.28 / 83
p0 −11.71 ± 1.306
pull
Entries 84
Mean 102.2
Std Dev 78.42
pull1D
Entries 84
Mean 0.02868
Std Dev 0.9336

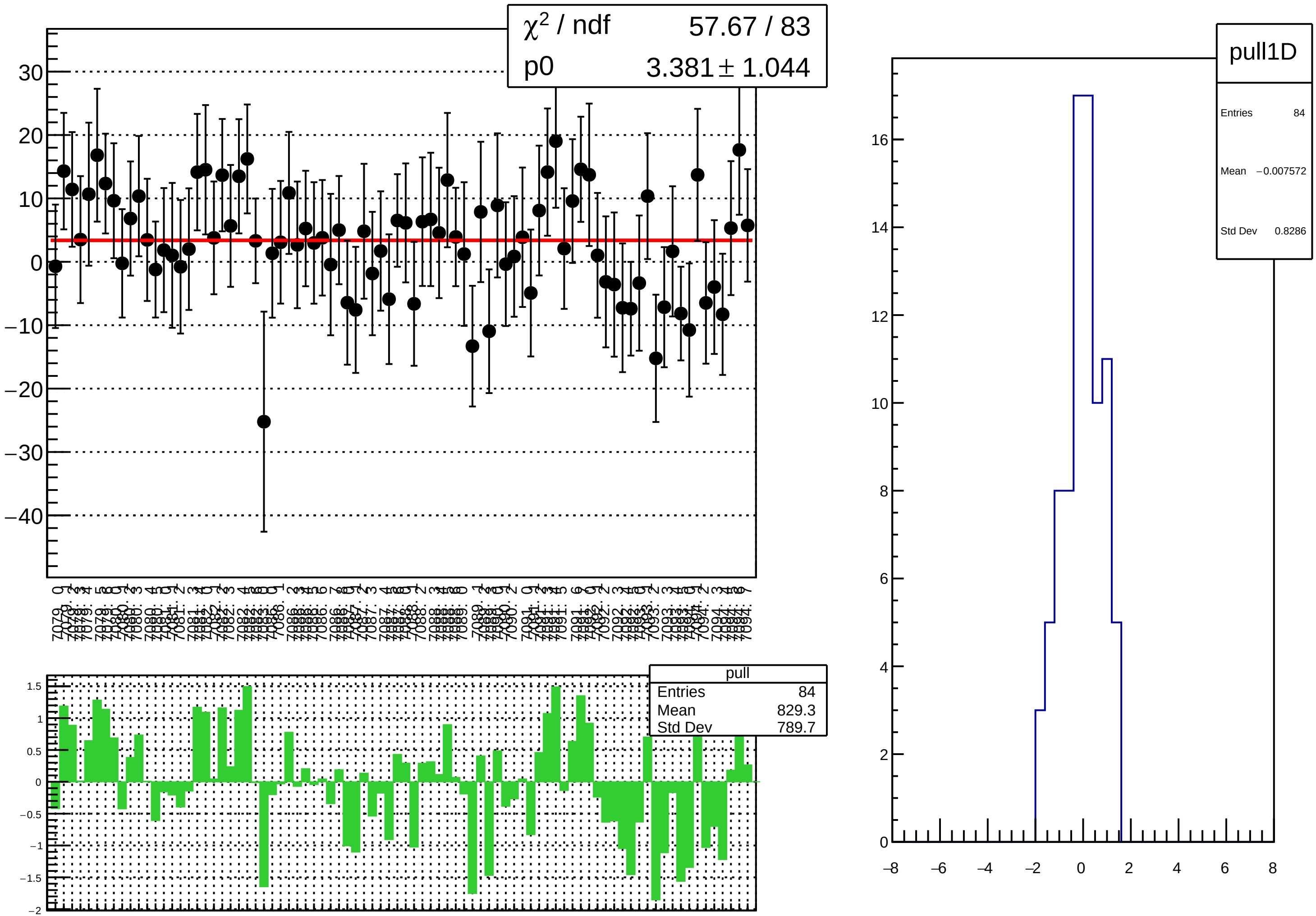


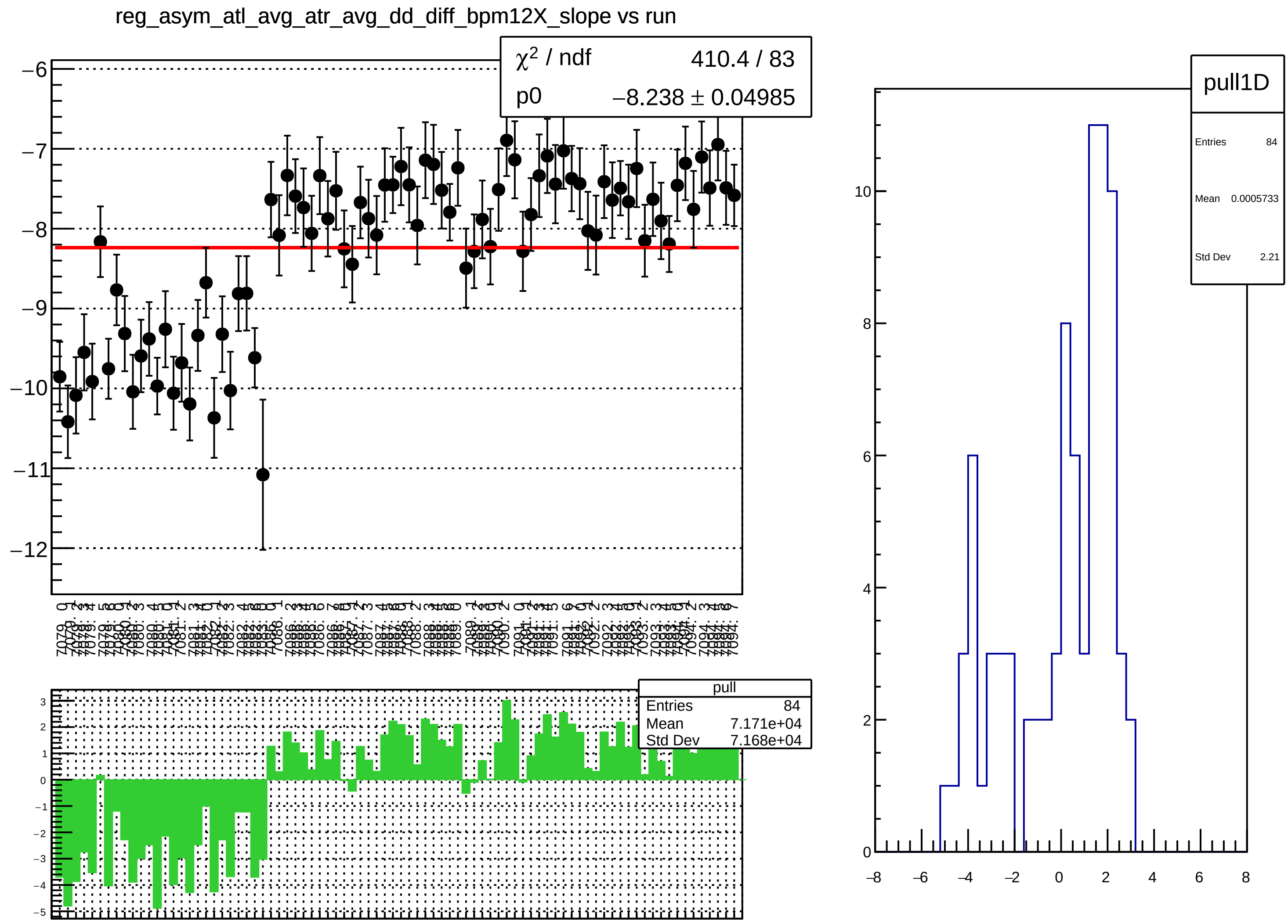
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 49.37 / 83
p0 1.584 ± 0.9947
pull
Entries 84
Mean 765
Std Dev 725.7
pull1D
Entries 84
Mean 0.00564
Std Dev 0.7666



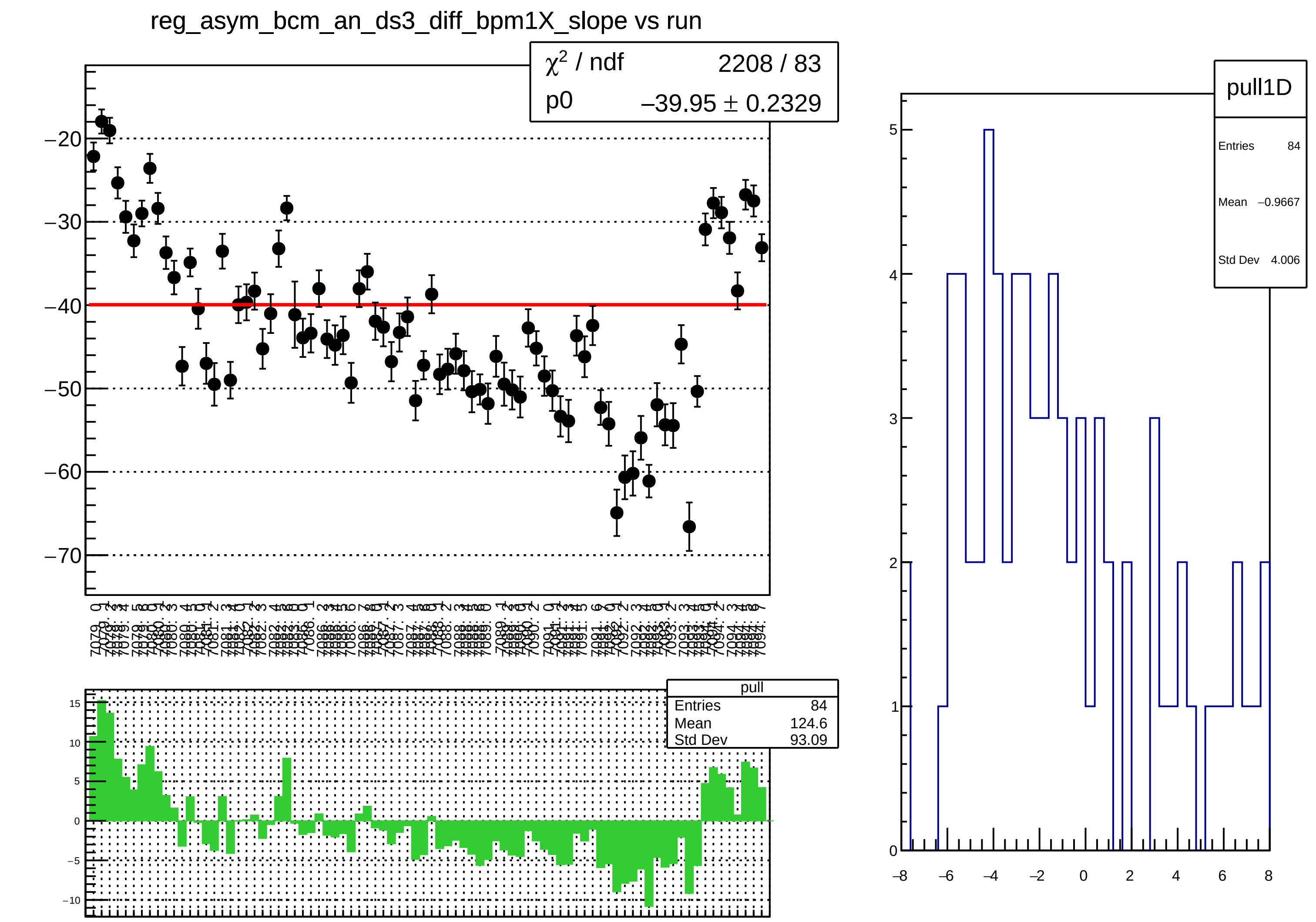
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 73.29 / 83
p0 −7.394 ± 1.259
pull
Entries 84
Mean 110.1
Std Dev 82.18
pull1D
Entries 84
Mean −0.02929
Std Dev 0.9336

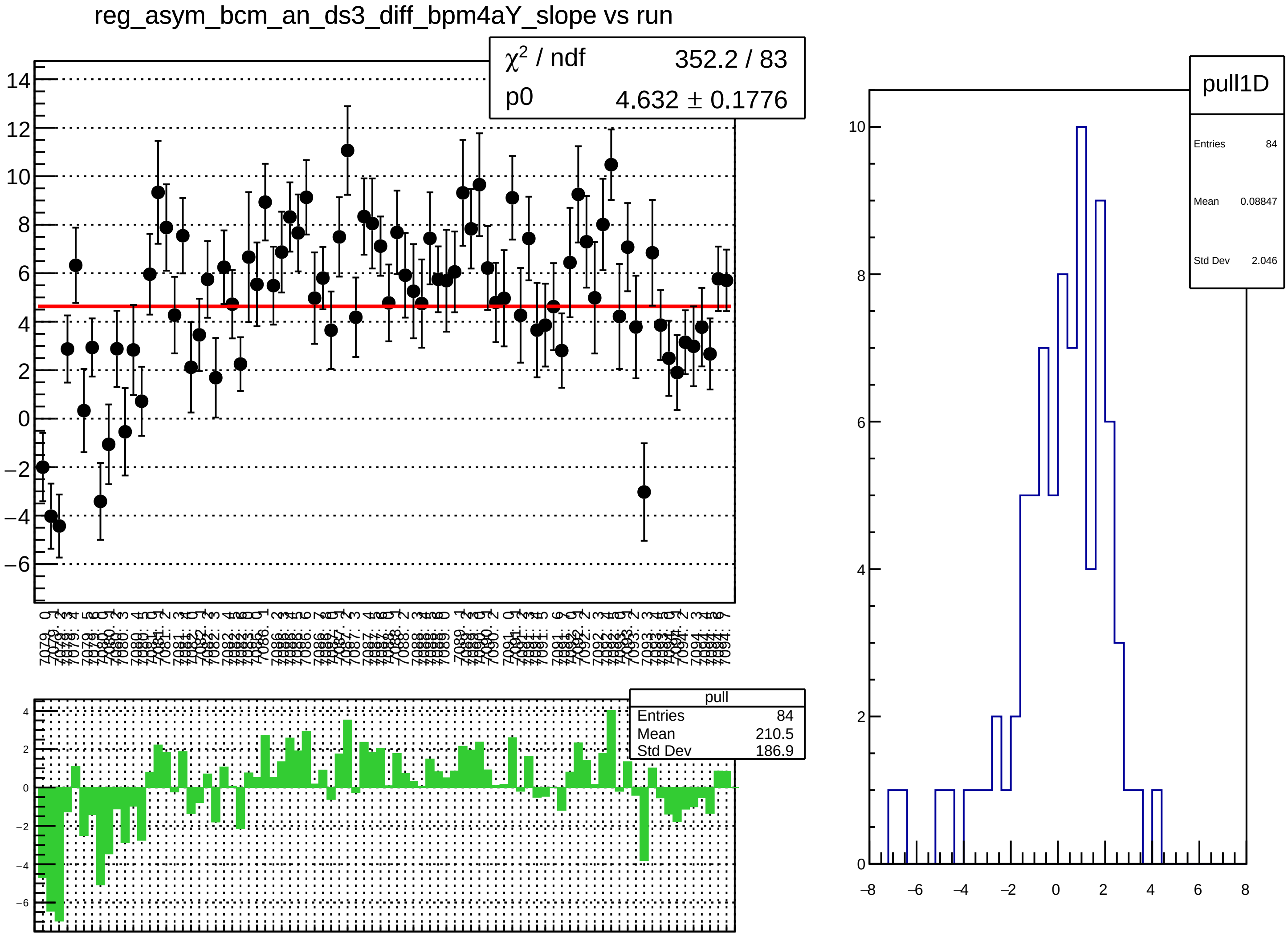
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run



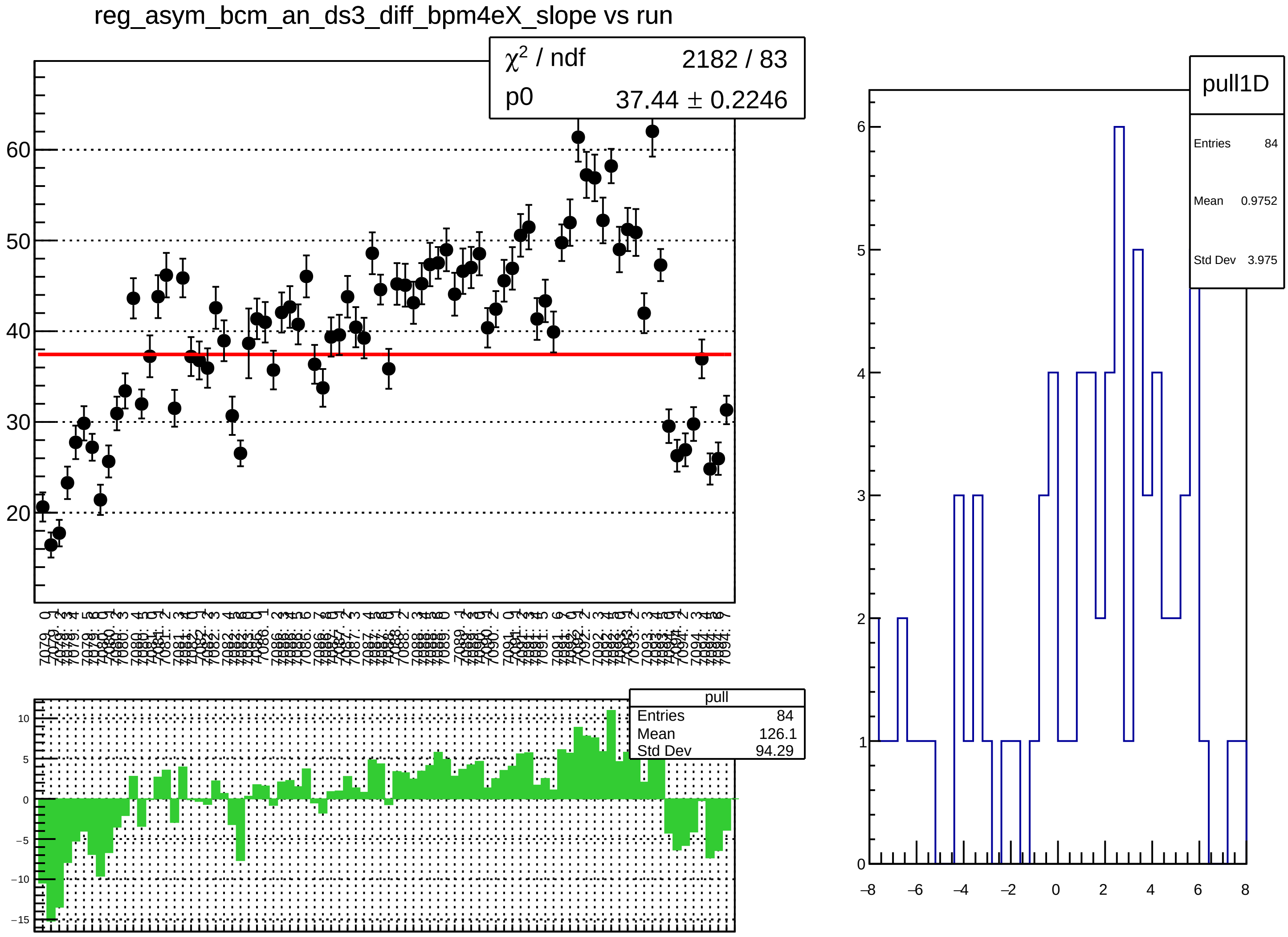


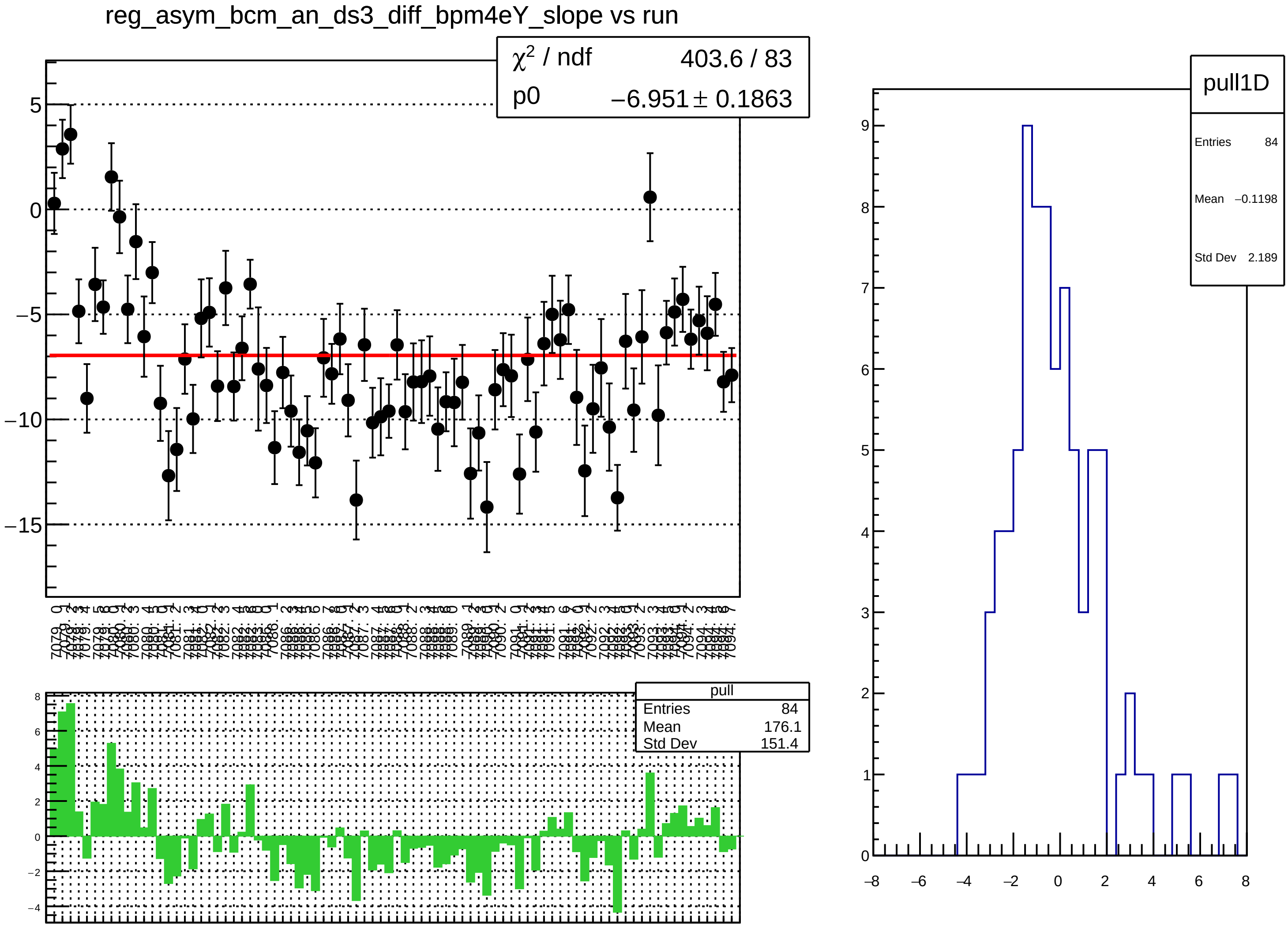
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ2 / ndf 410.4 / 83
p0 −8.238 ± 0.04985
pull
Entries 84
Mean 7.171e+04
Std Dev 7.168e+04
pull1D
Entries 84
Mean 0.0005733
Std Dev 2.21


reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 2208 / 83
p0 −39.95 ± 0.2329
pull
Entries 84
Mean 124.6
Std Dev 93.09
pull1D
Entries 84
Mean −0.9667
Std Dev 4.006

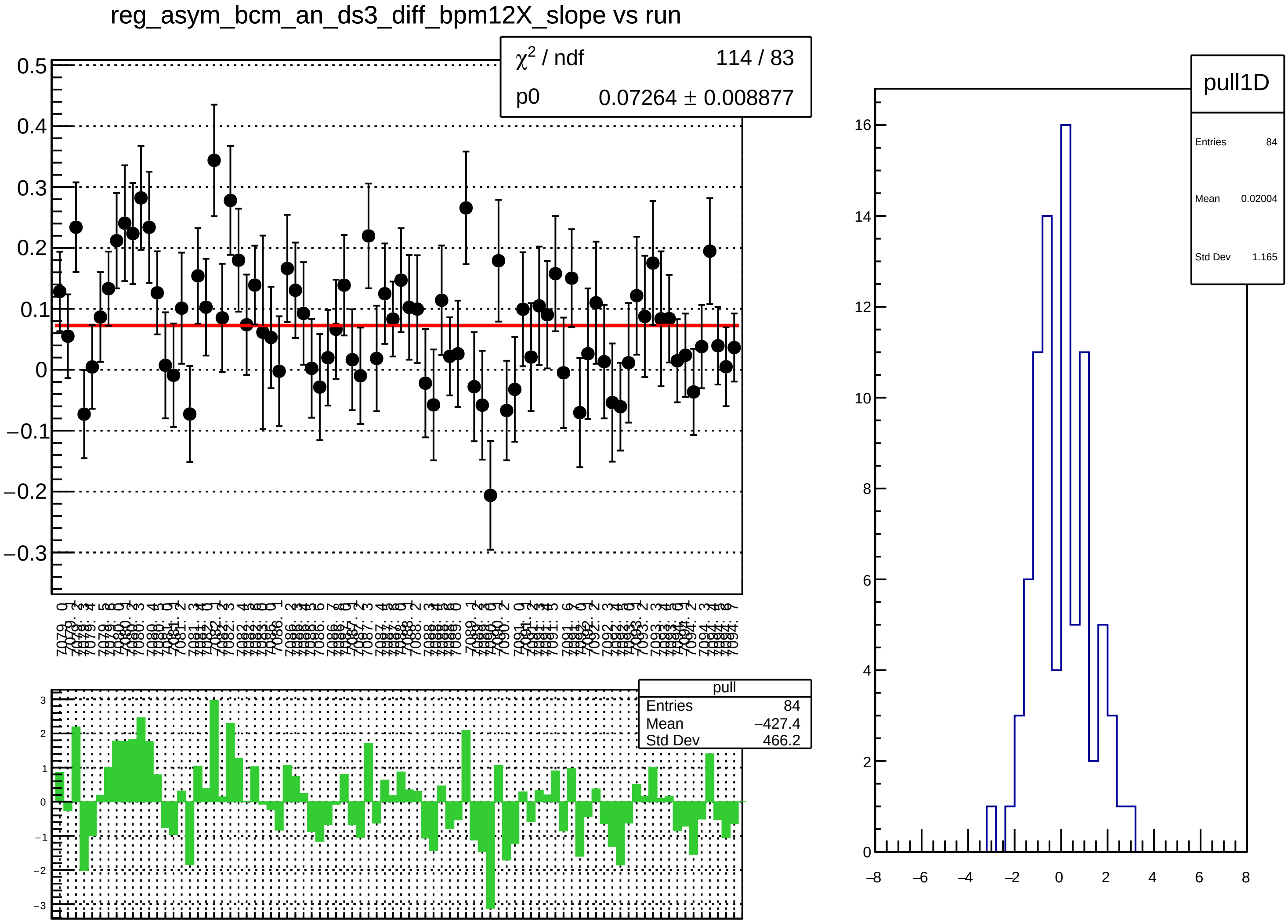


reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ2 / ndf 352.2 / 83
p0 4.632 ± 0.1776
pull
Entries 84
Mean 210.5
Std Dev 186.9
pull1D
Entries 84
Mean 0.08847
Std Dev 2.046

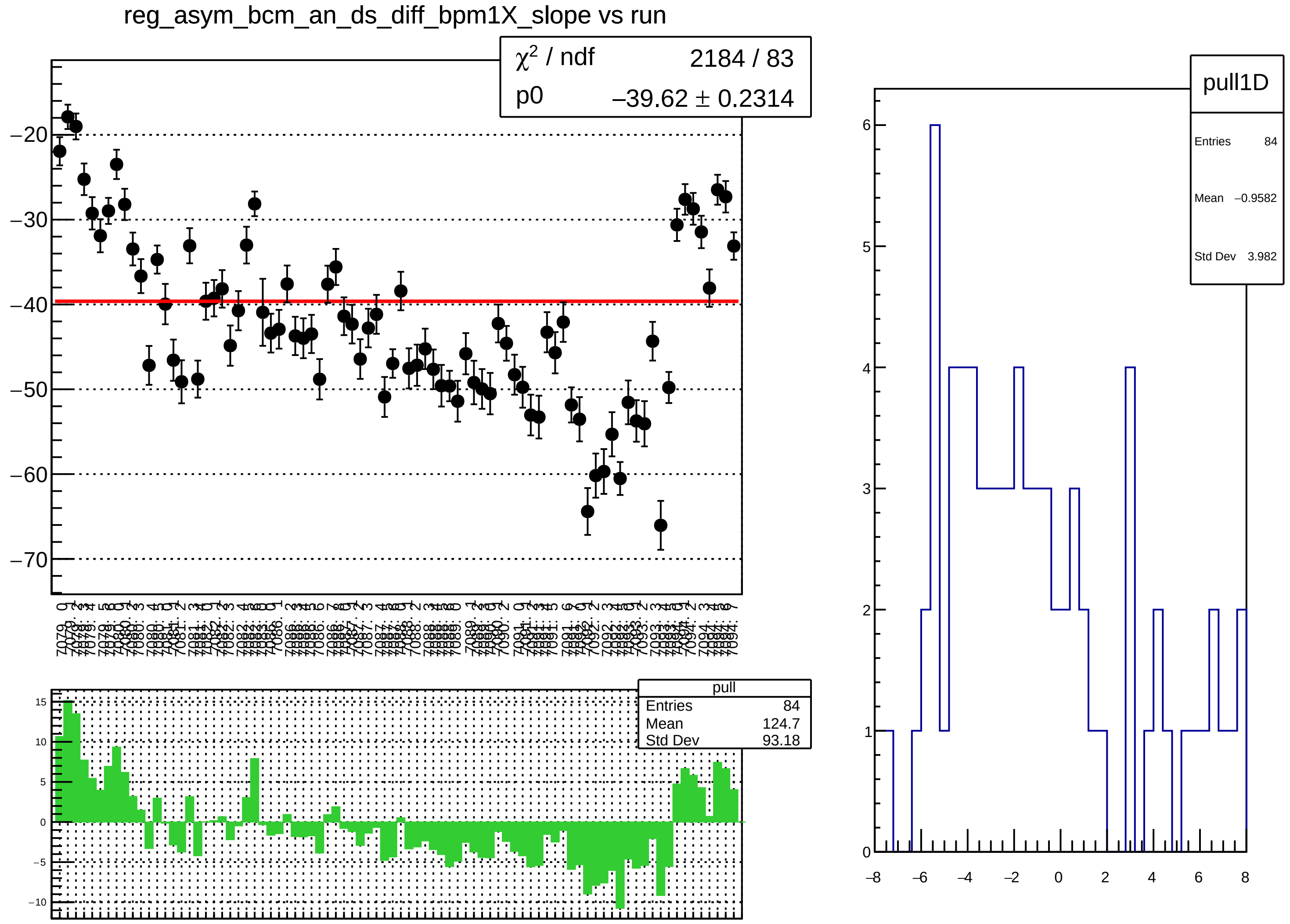

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ2 / ndf 2182 / 83
p0 37.44 ± 0.2246
pull
Entries 84
Mean 126.1
Std Dev 94.29
pull1D
Entries 84
Mean 0.9752
Std Dev 3.975



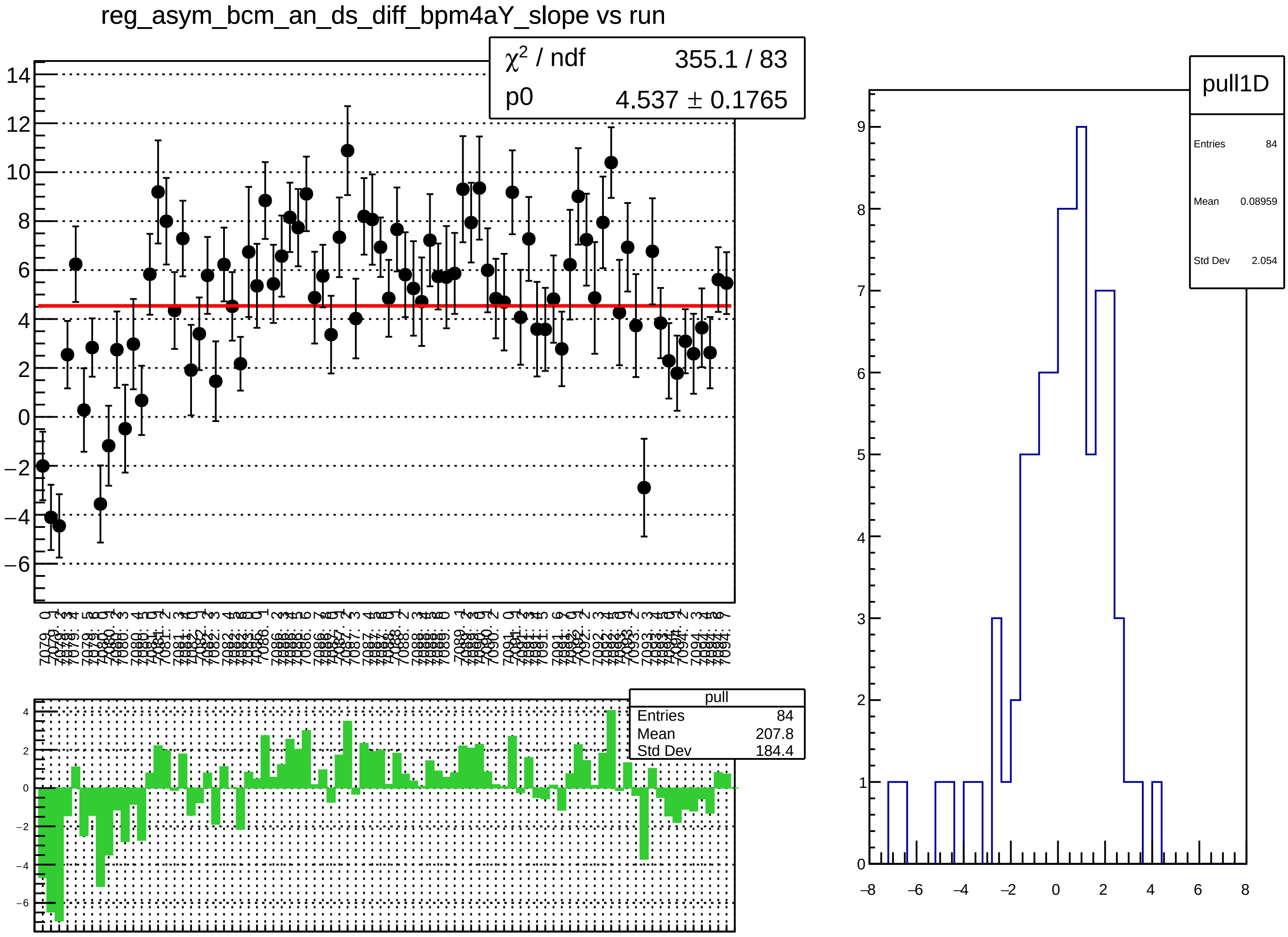
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 403.6 / 83
p0 −6.951 ± 0.1863
pull
Entries 84
Mean 176.1
Std Dev 151.4
pull1D
Entries 84
Mean −0.1198
Std Dev 2.189

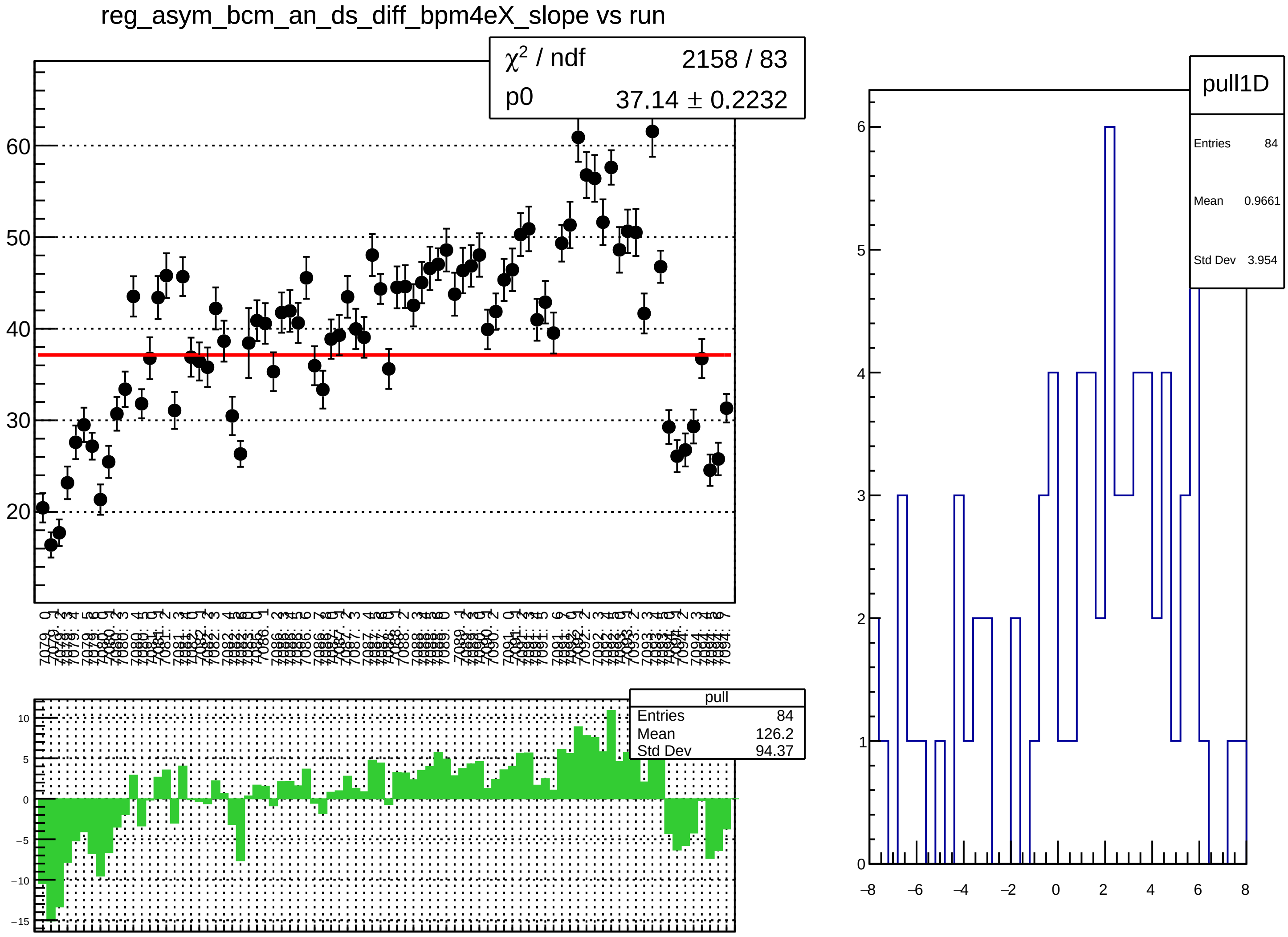


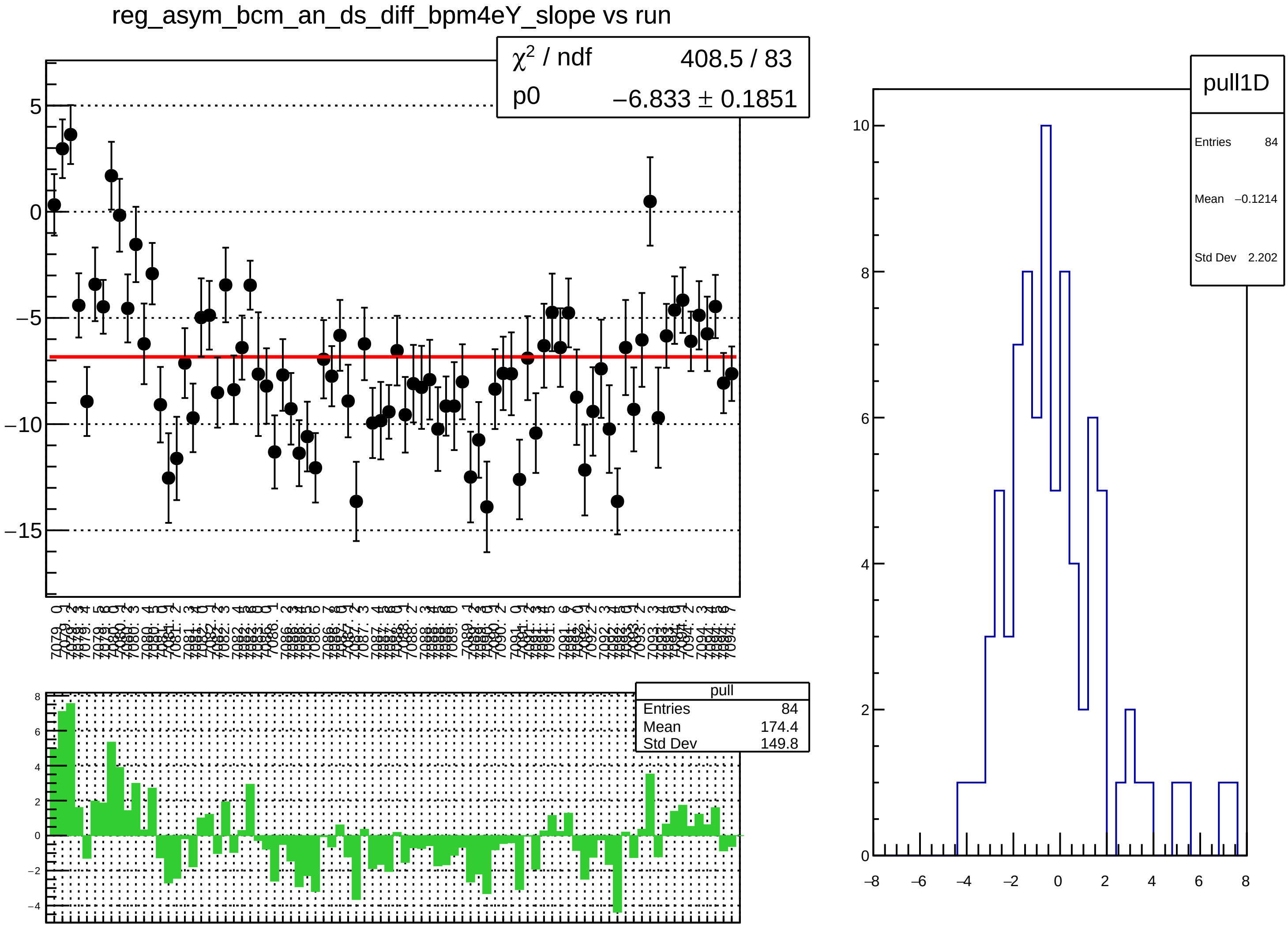
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 114 / 83
p0 0.07264 ± 0.008877
pull
Entries 84
Mean −427.4
Std Dev 466.2
pull1D
Entries 84
Mean 0.02004
Std Dev 1.165



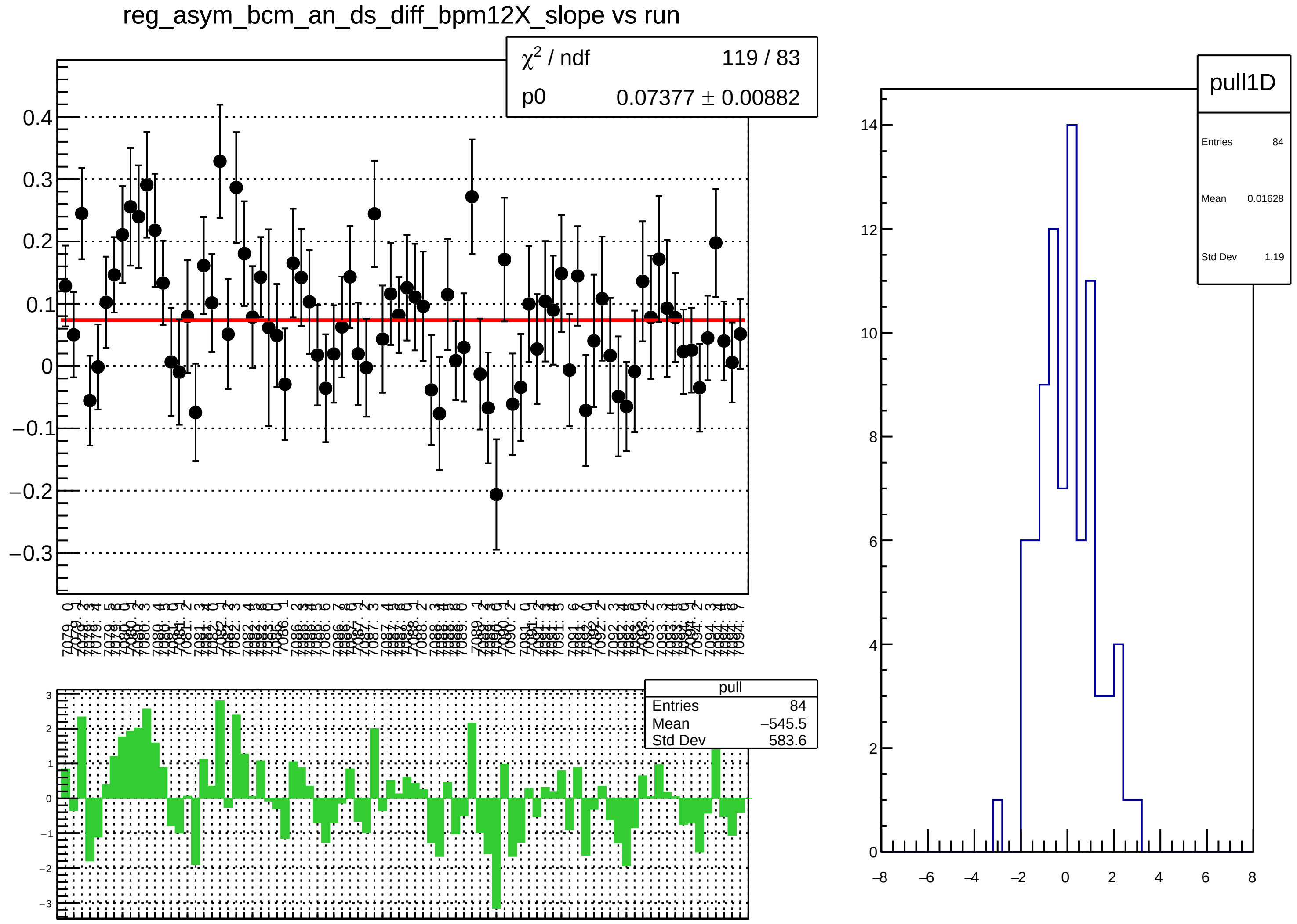
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 2184 / 83
p0 −39.62 ± 0.2314
pull
Entries 84
Mean 124.7
Std Dev 93.18
pull1D
Entries 84
Mean −0.9582
Std Dev 3.982

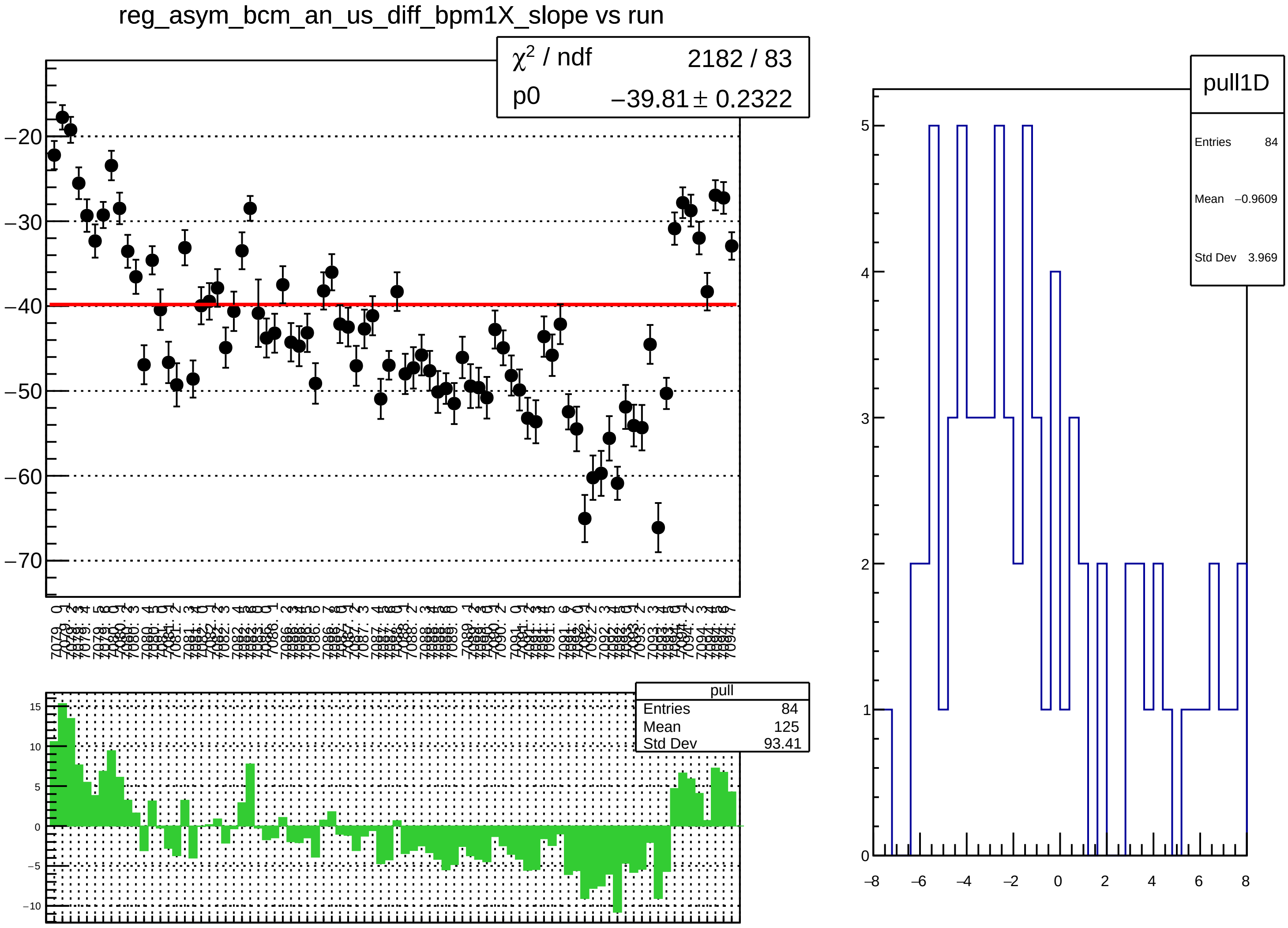

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 355.1 / 83
p0 4.537 ± 0.1765
pull
Entries 84
Mean 207.8
Std Dev 184.4
pull1D
Entries 84
Mean 0.08959
Std Dev 2.054


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ2 / ndf 2158 / 83
p0 37.14 ± 0.2232
pull
Entries 84
Mean 126.2
Std Dev 94.37
pull1D
Entries 84
Mean 0.9661
Std Dev 3.954

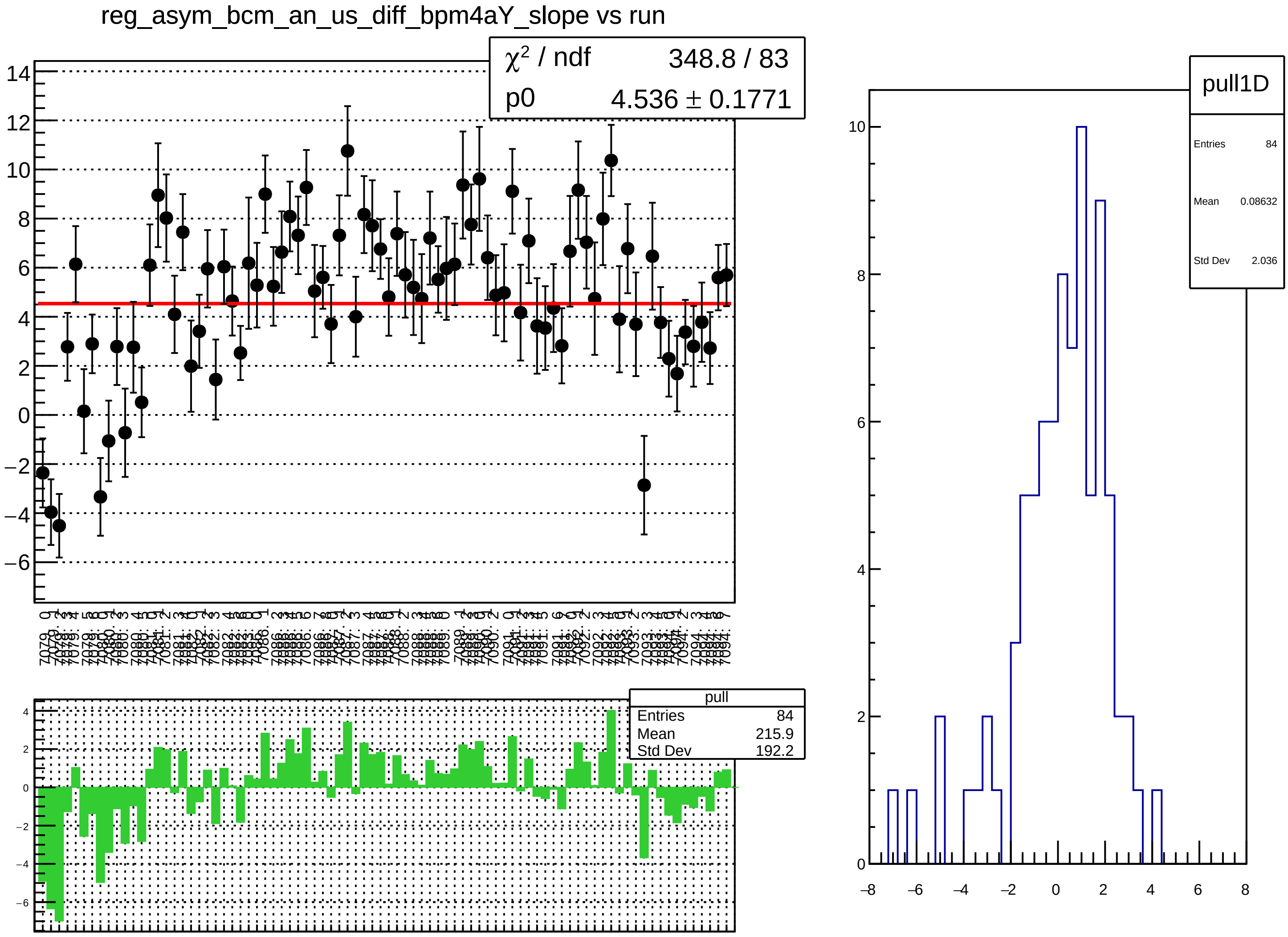


reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 408.5 / 83
p0 −6.833 ± 0.1851
pull
Entries 84
Mean 174.4
Std Dev 149.8
pull1D
Entries 84
Mean −0.1214
Std Dev 2.202

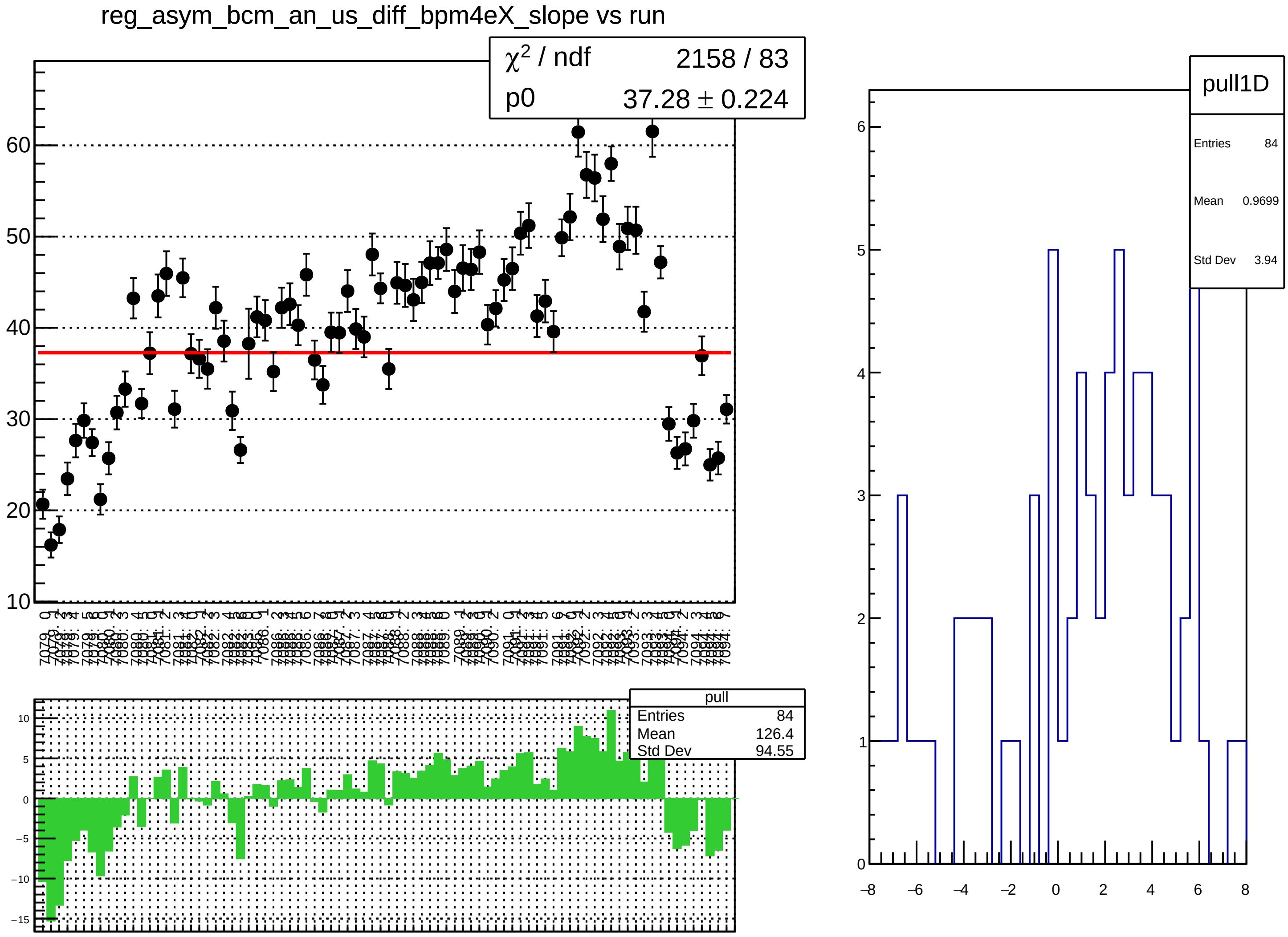

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 119 / 83
p0 0.07377 ± 0.00882
pull
Entries 84
Mean −545.5
Std Dev 583.6
pull1D
Entries 84
Mean 0.01628
Std Dev 1.19

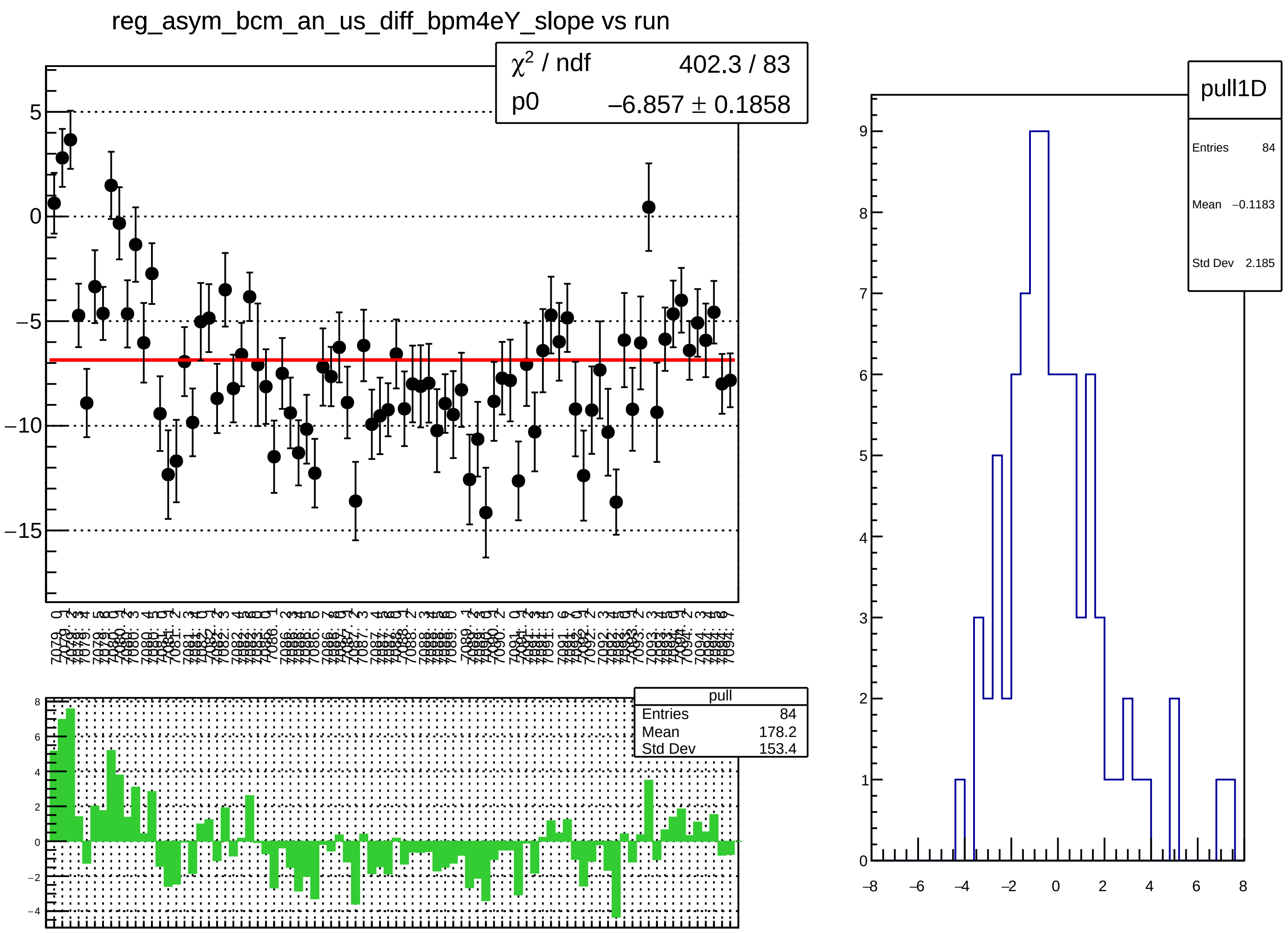


reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 2182 / 83
p0 −39.81 ± 0.2322
pull
Entries 84
Mean 125
Std Dev 93.41
pull1D
Entries 84
Mean −0.9609
Std Dev 3.969

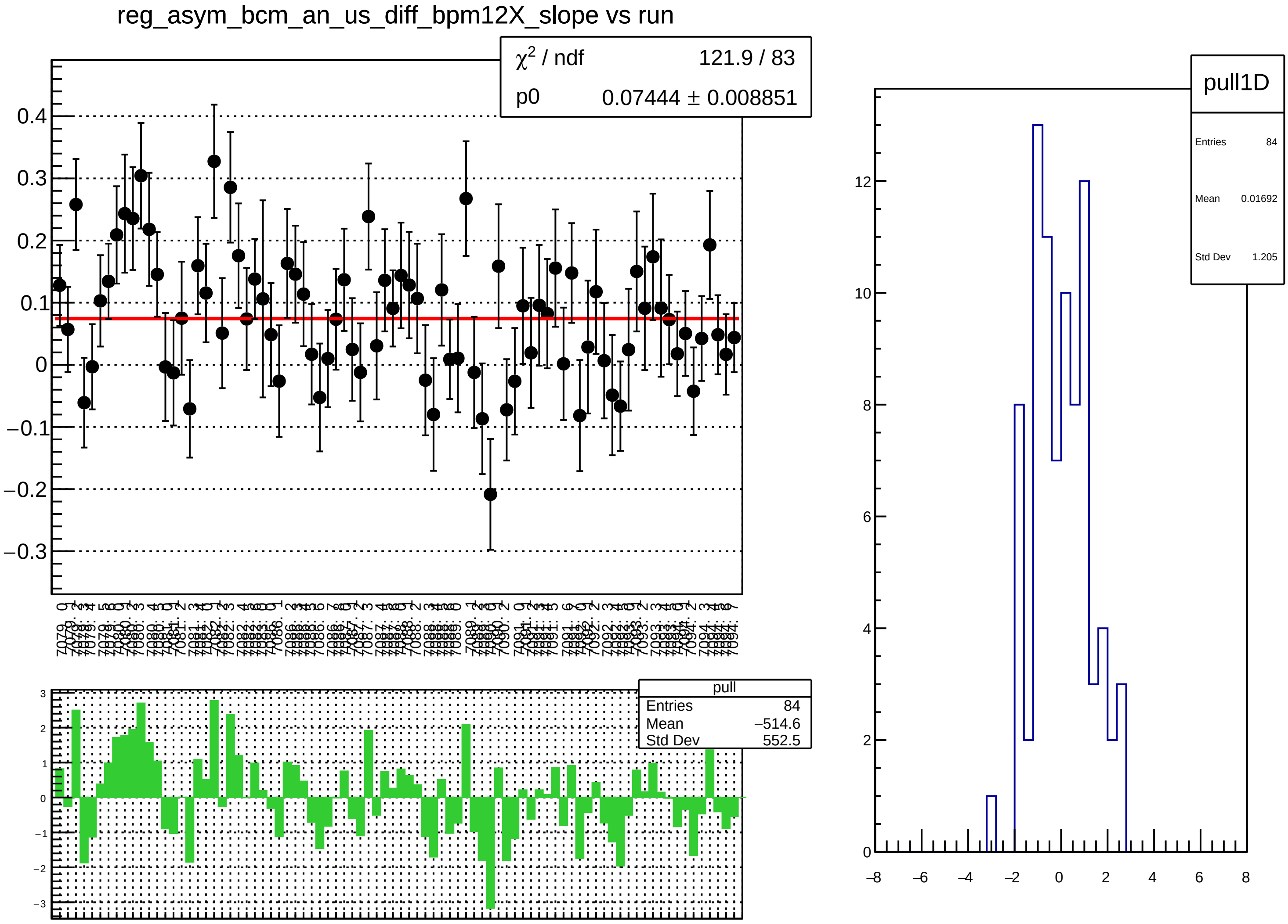


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ2 / ndf 348.8 / 83
p0 4.536 ± 0.1771
pull
Entries 84
Mean 215.9
Std Dev 192.2
pull1D
Entries 84
Mean 0.08632
Std Dev 2.036

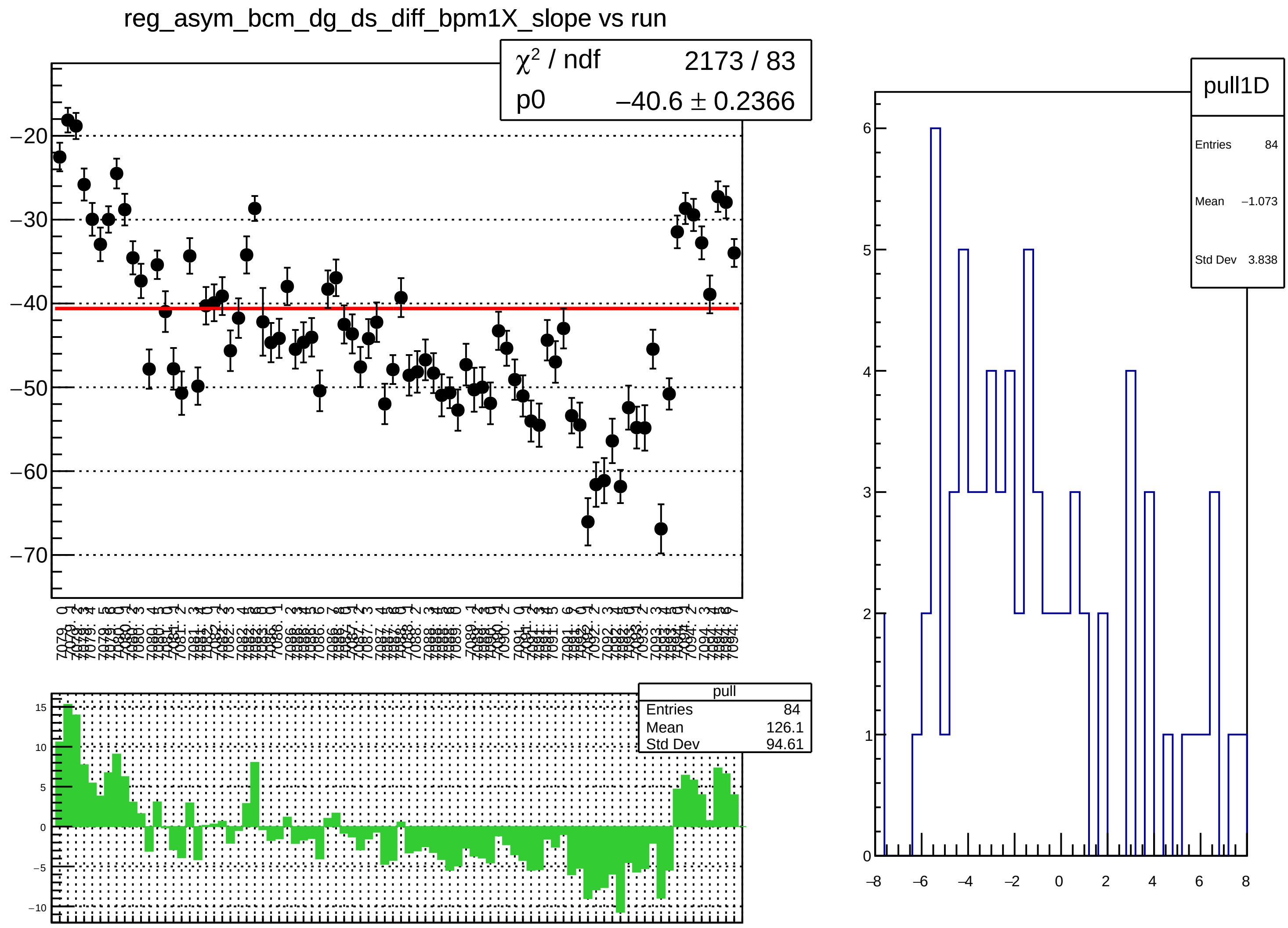

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 2158 / 83
p0 37.28 ± 0.224
pull
Entries 84
Mean 126.4
Std Dev 94.55
pull1D
Entries 84
Mean 0.9699
Std Dev 3.94

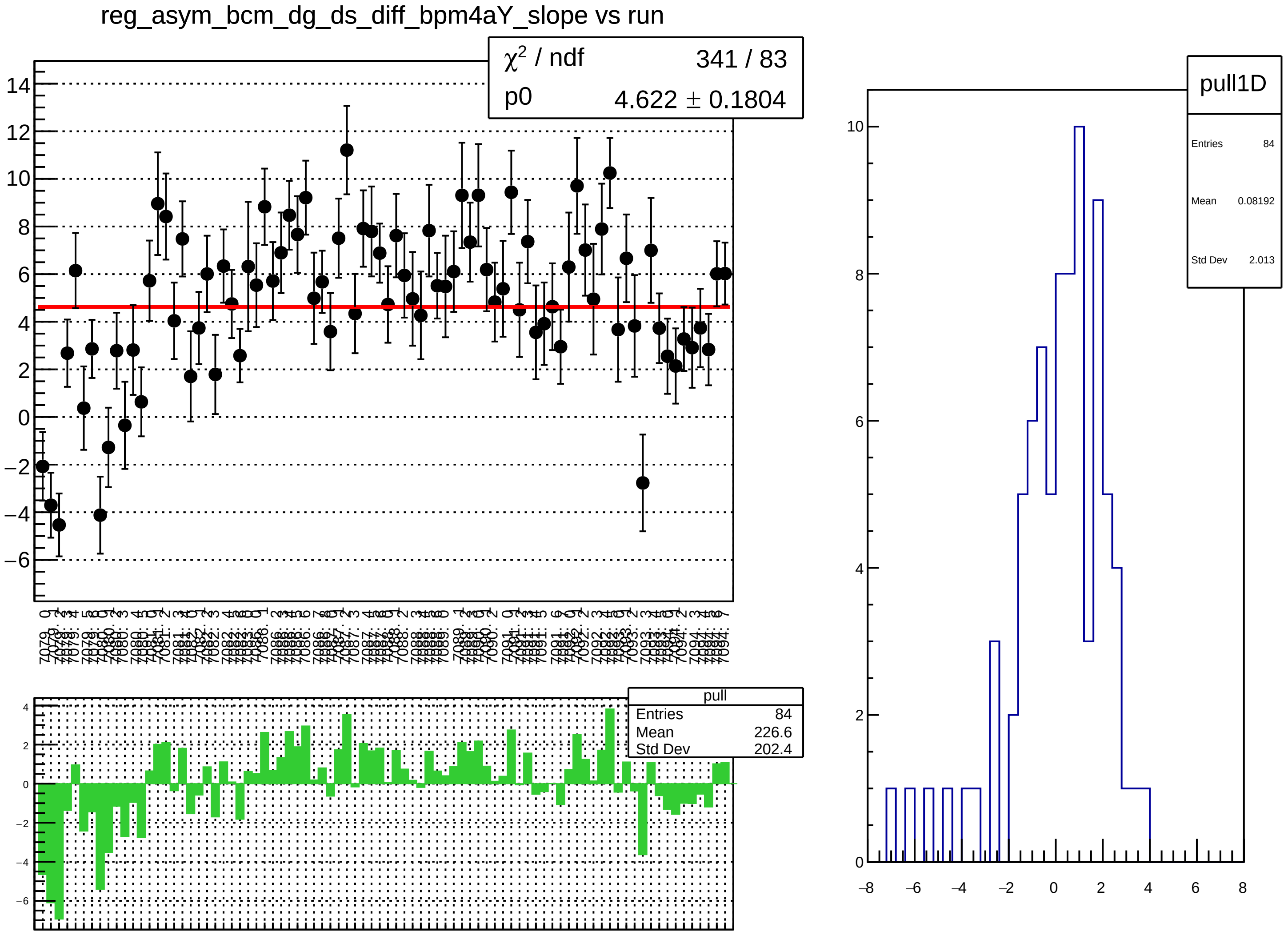


reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 402.3 / 83
p0 −6.857 ± 0.1858
pull
Entries 84
Mean 178.2
Std Dev 153.4
pull1D
Entries 84
Mean −0.1183
Std Dev 2.185

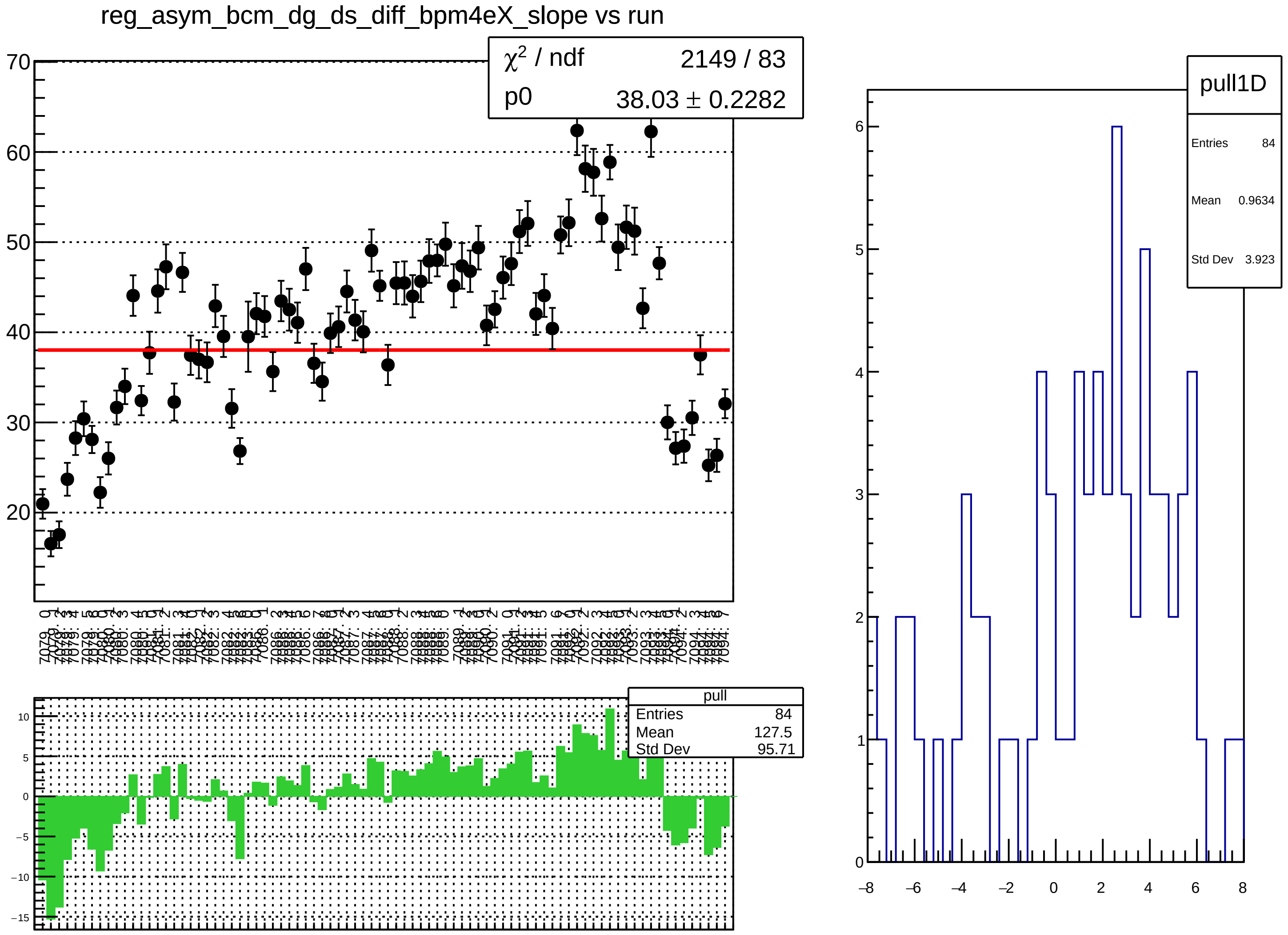


reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 121.9 / 83
p0 0.07444 ± 0.008851
pull
Entries 84
Mean −514.6
Std Dev 552.5
pull1D
Entries 84
Mean 0.01692
Std Dev 1.205

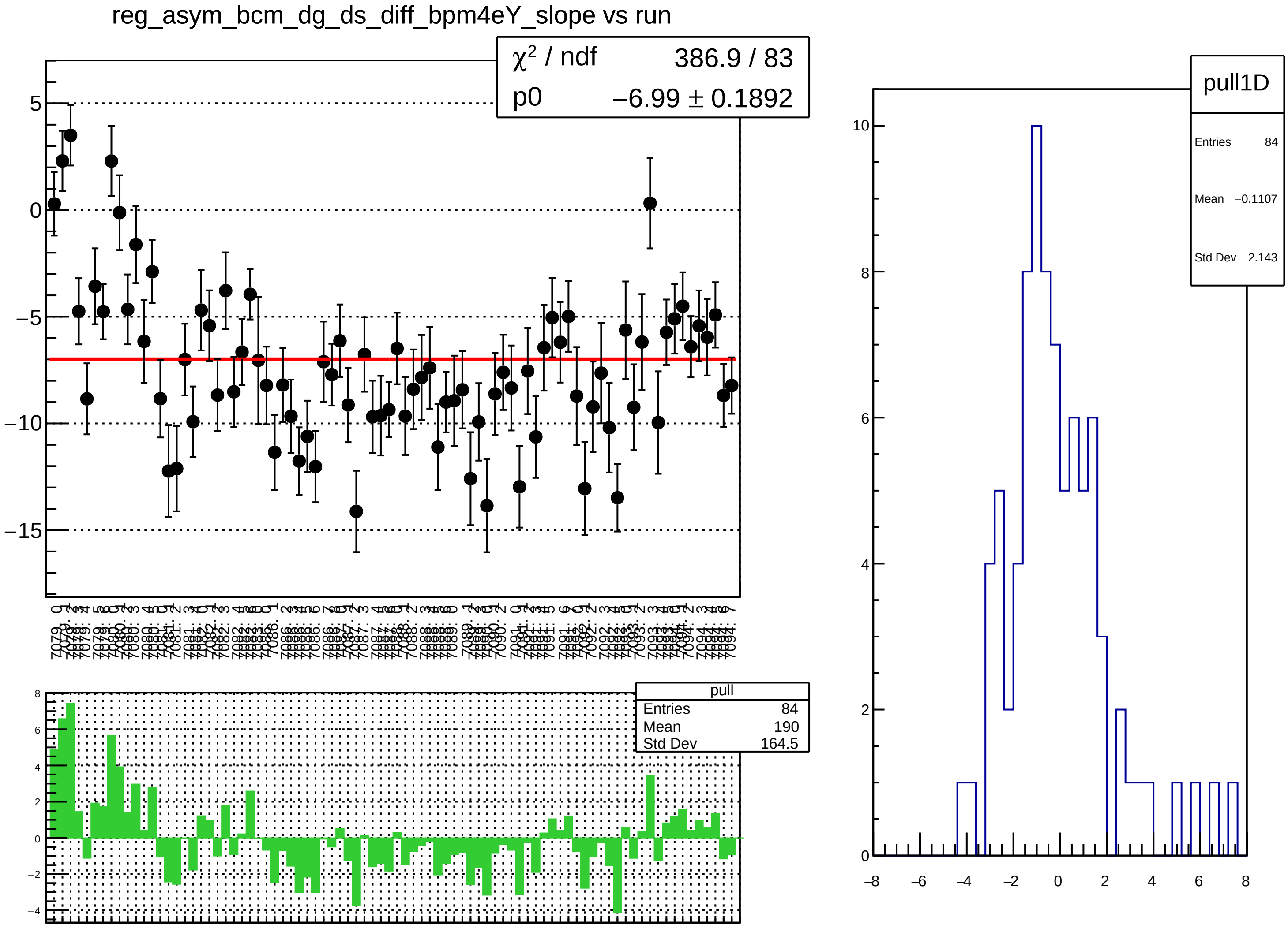

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 2173 / 83
p0 −40.6 ± 0.2366
pull
Entries 84
Mean 126.1
Std Dev 94.61
pull1D
Entries 84
Mean −1.073
Std Dev 3.838



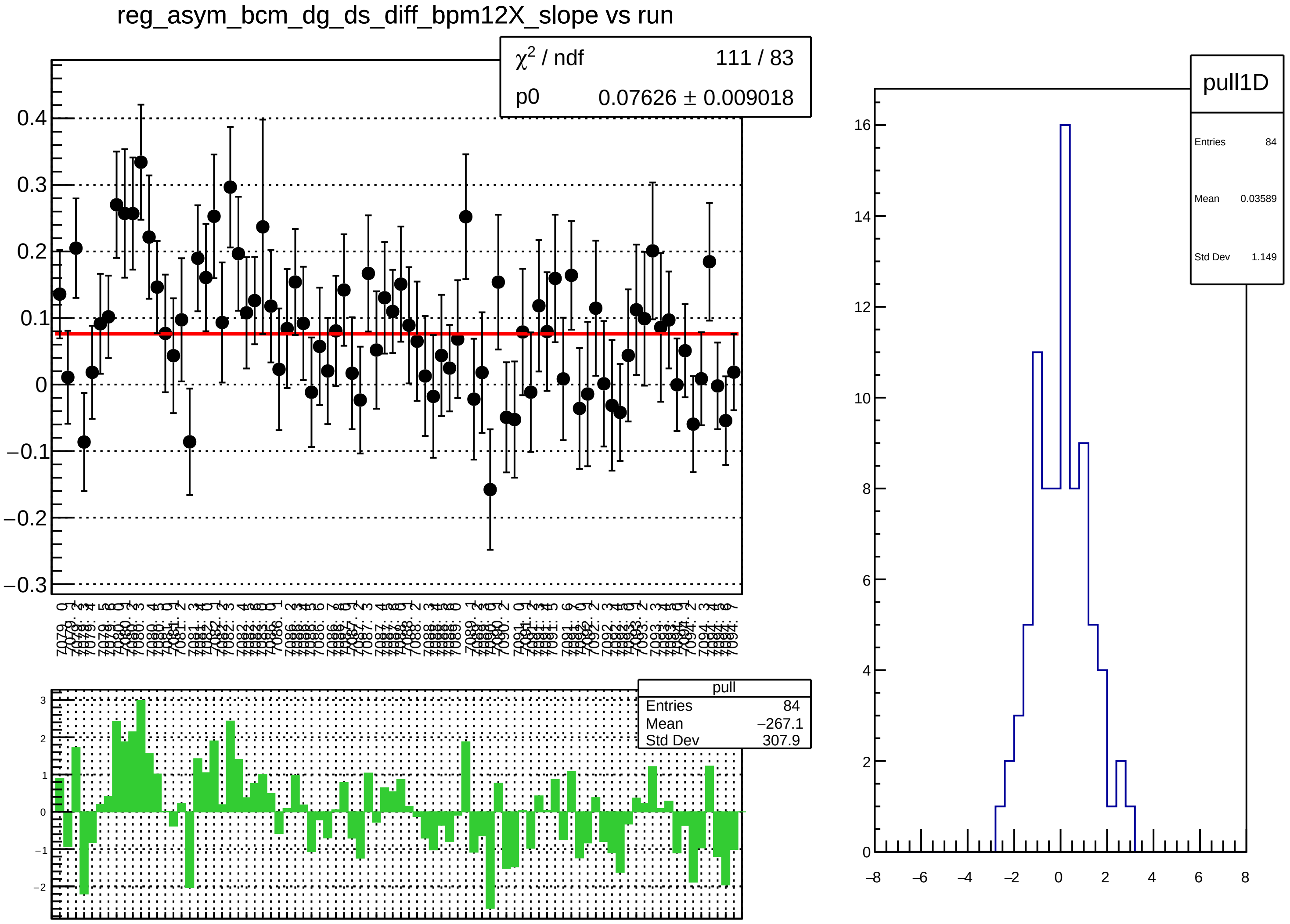
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 341 / 83
p0 4.622 ± 0.1804
pull
Entries 84
Mean 226.6
Std Dev 202.4
pull1D
Entries 84
Mean 0.08192
Std Dev 2.013

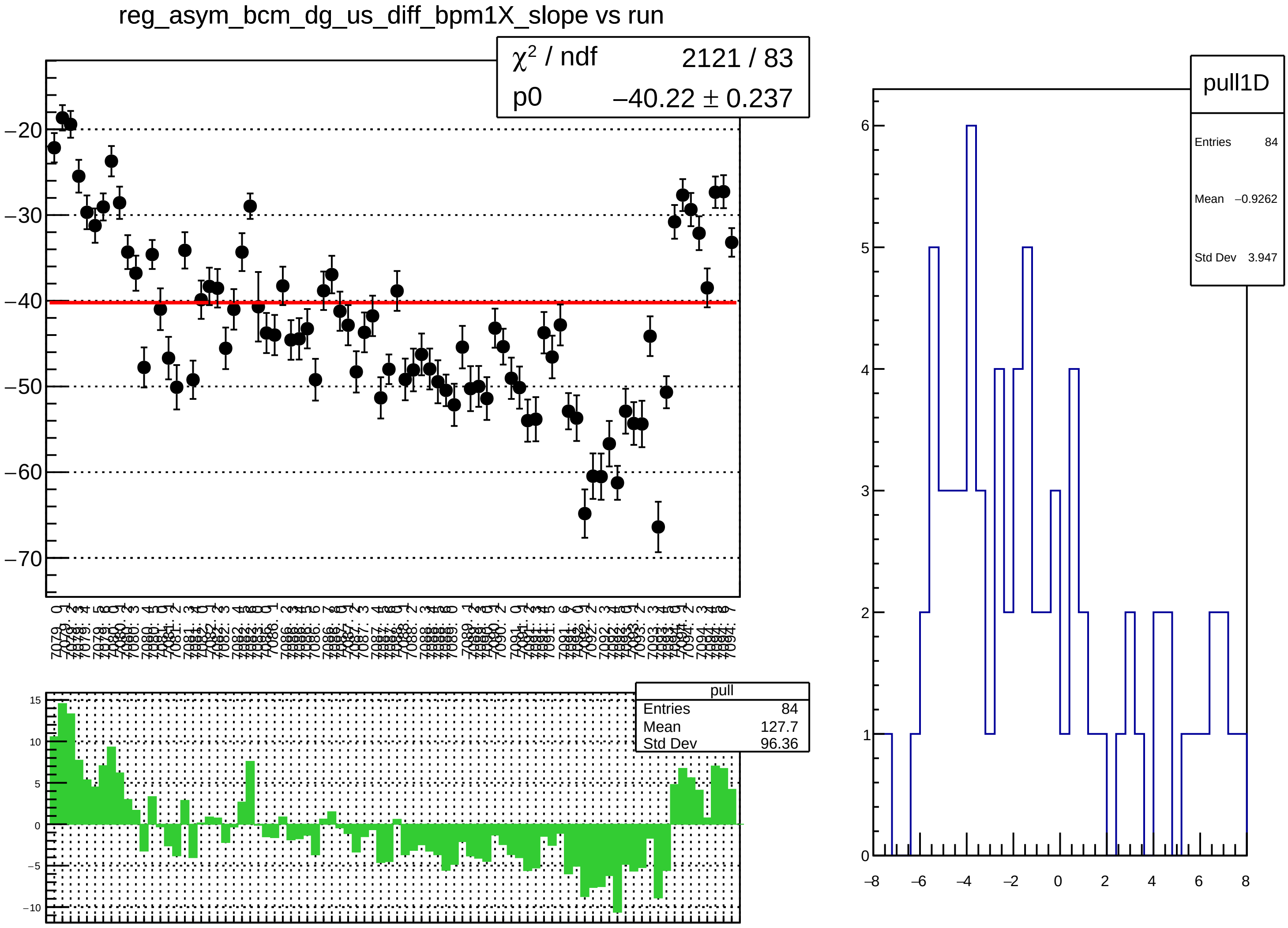


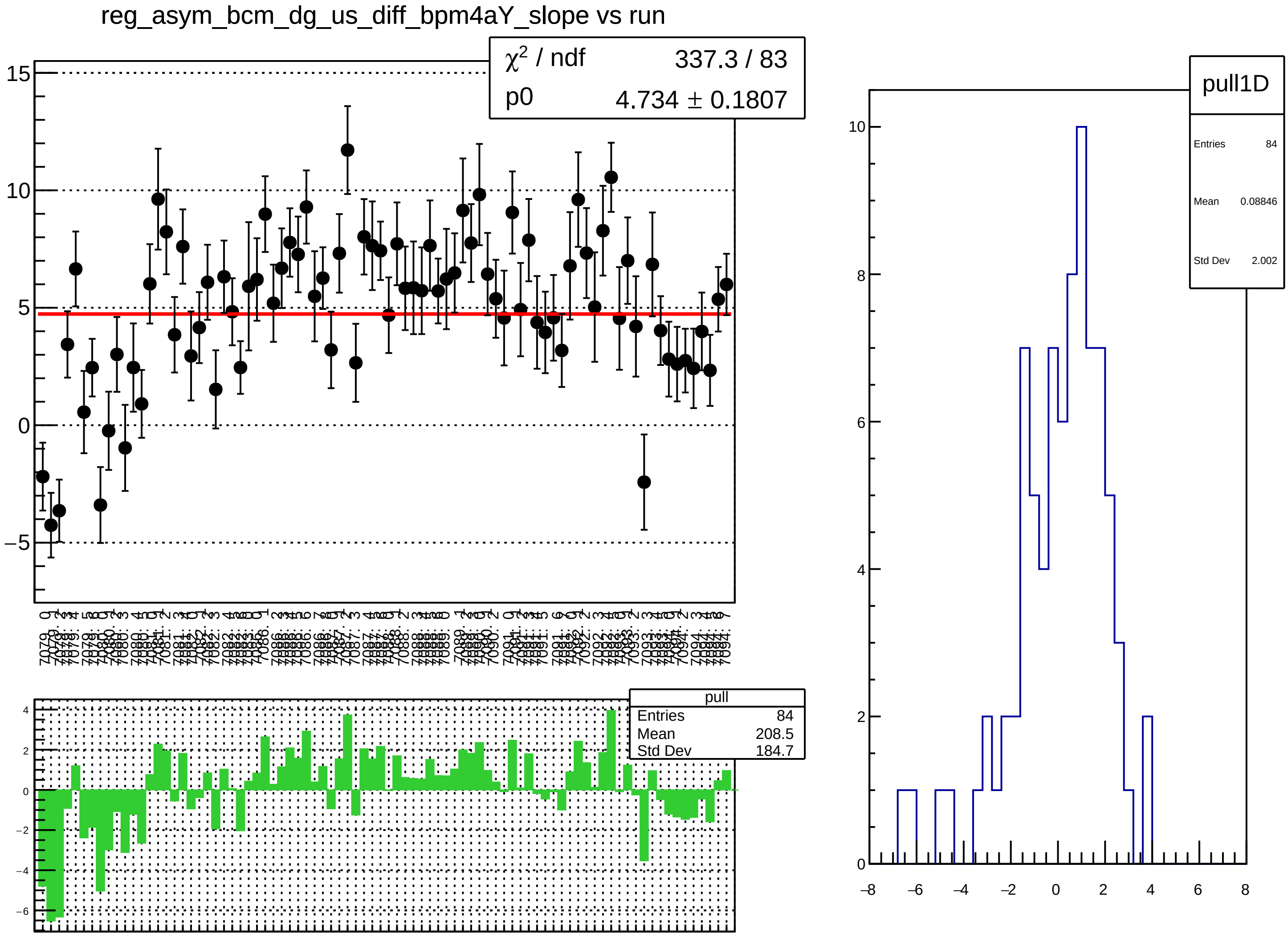
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ2 / ndf 2149 / 83
p0 38.03 ± 0.2282
pull
Entries 84
Mean 127.5
Std Dev 95.71
pull1D
Entries 84
Mean 0.9634
Std Dev 3.923

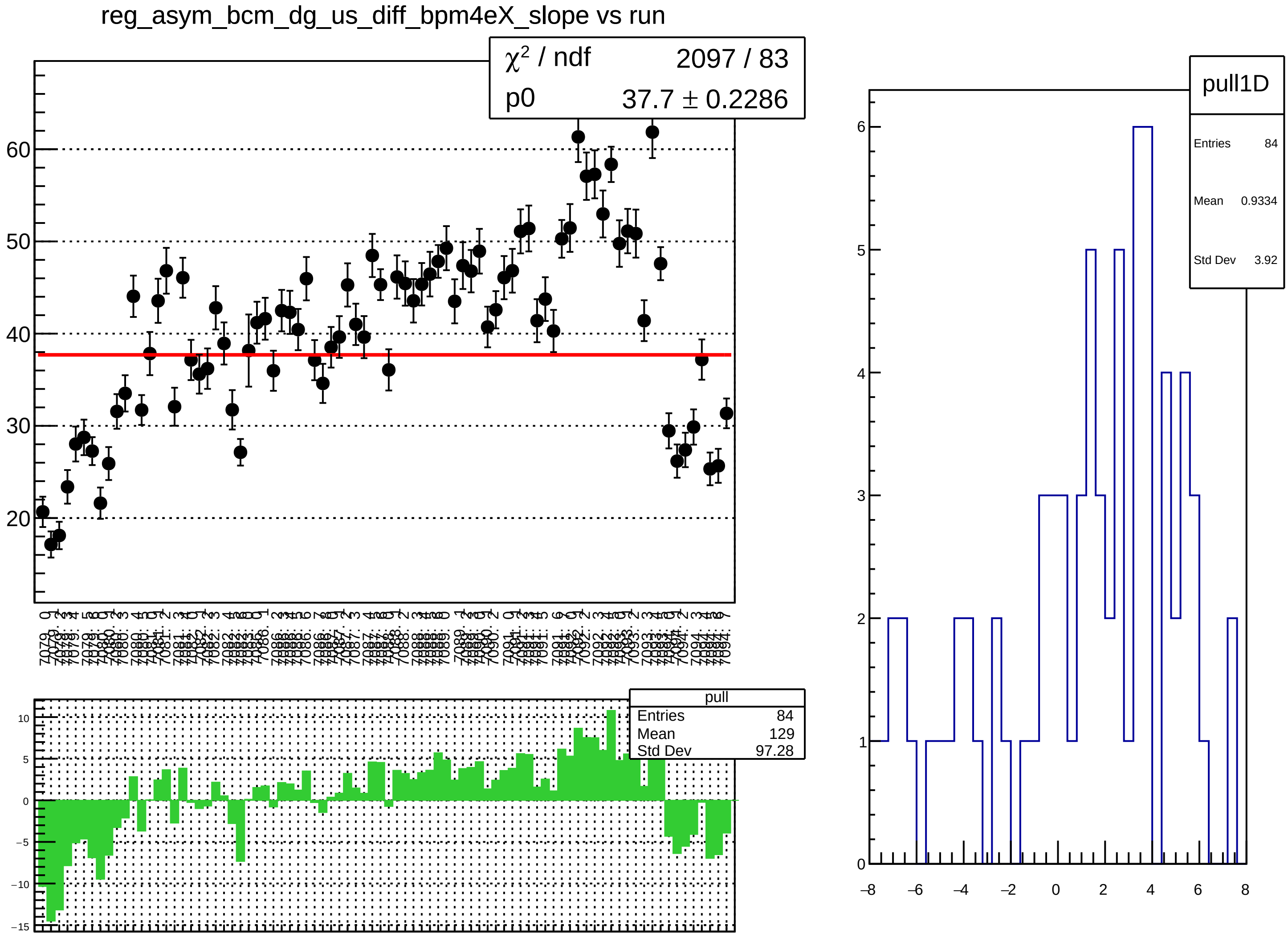


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 386.9 / 83
p0 −6.99 ± 0.1892
pull
Entries 84
Mean 190
Std Dev 164.5
pull1D
Entries 84
Mean −0.1107
Std Dev 2.143

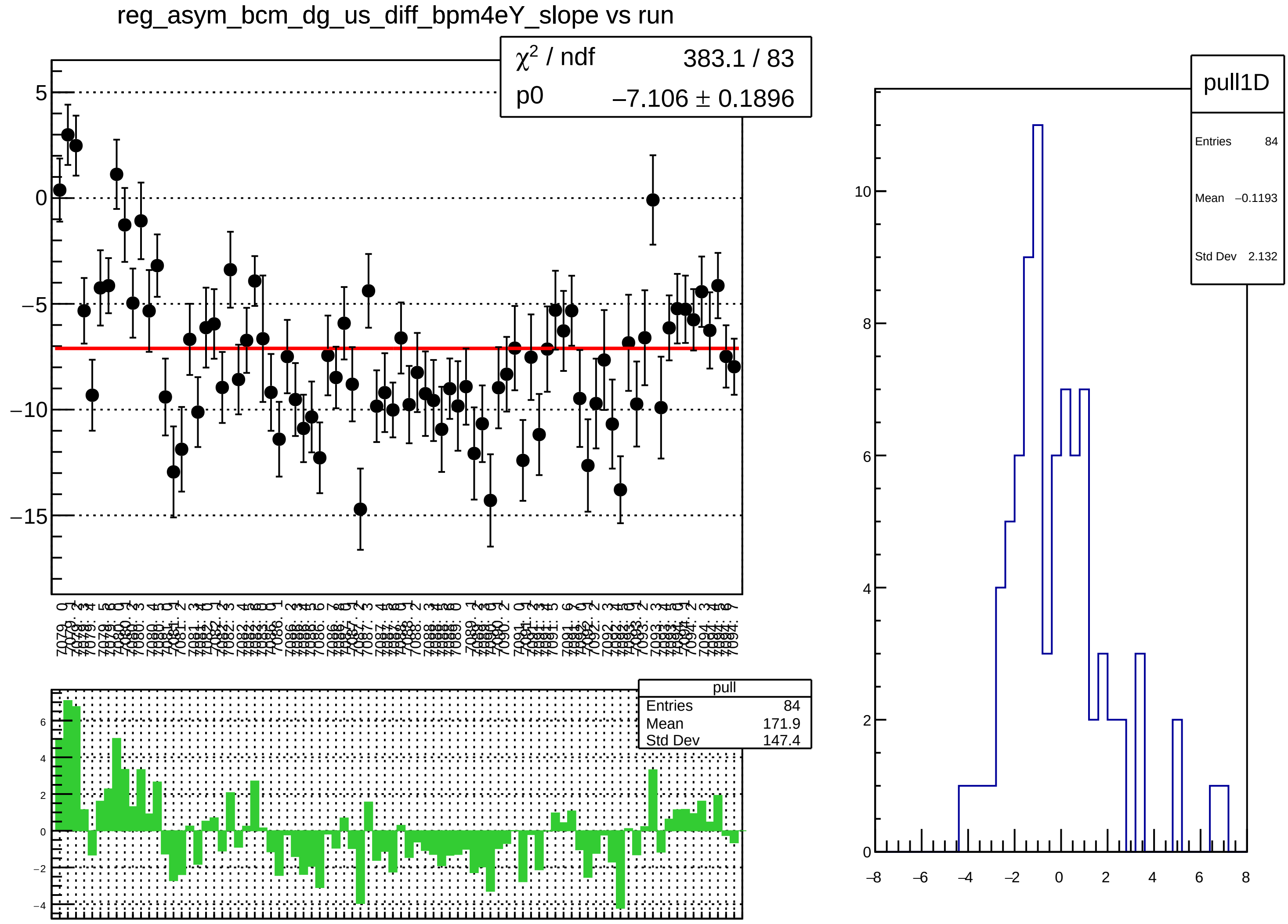

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 111 / 83
p0 0.07626 ± 0.009018
pull
Entries 84
Mean −267.1
Std Dev 307.9
pull1D
Entries 84
Mean 0.03589
Std Dev 1.149

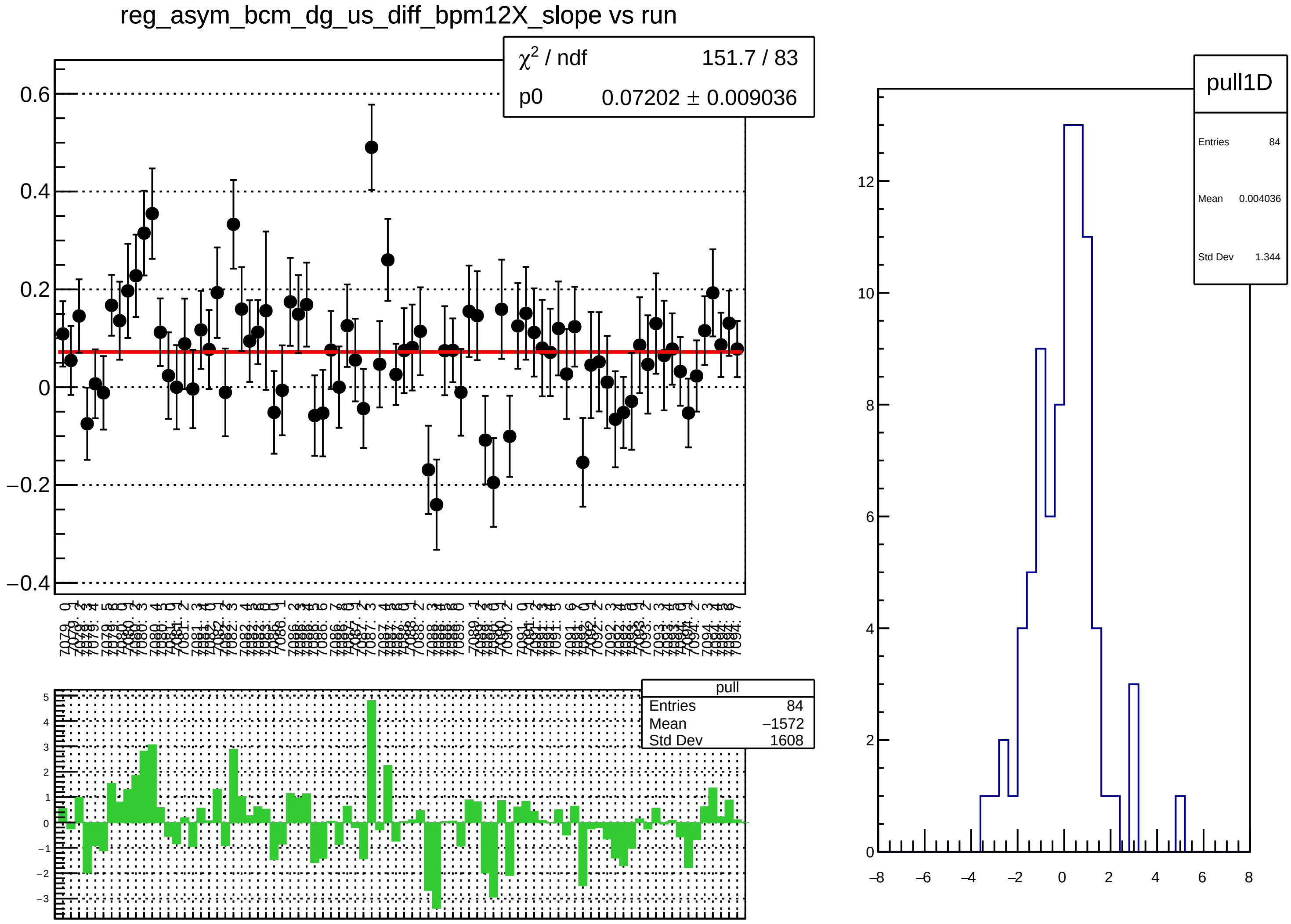

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 2121 / 83
p0 −40.22 ± 0.237
−20
−30
−40
−50
−60
−70
pull
Entries 84
Mean 127.7
Std Dev 96.36
15
10
5
0
−5
−10
pull1D
Entries 84
Mean −0.9262
Std Dev 3.947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ2 / ndf 337.3 / 83
p0 4.734 ± 0.1807
pull
Entries 84
Mean 208.5
Std Dev 184.7
pull1D
Entries 84
Mean 0.08846
Std Dev 2.002

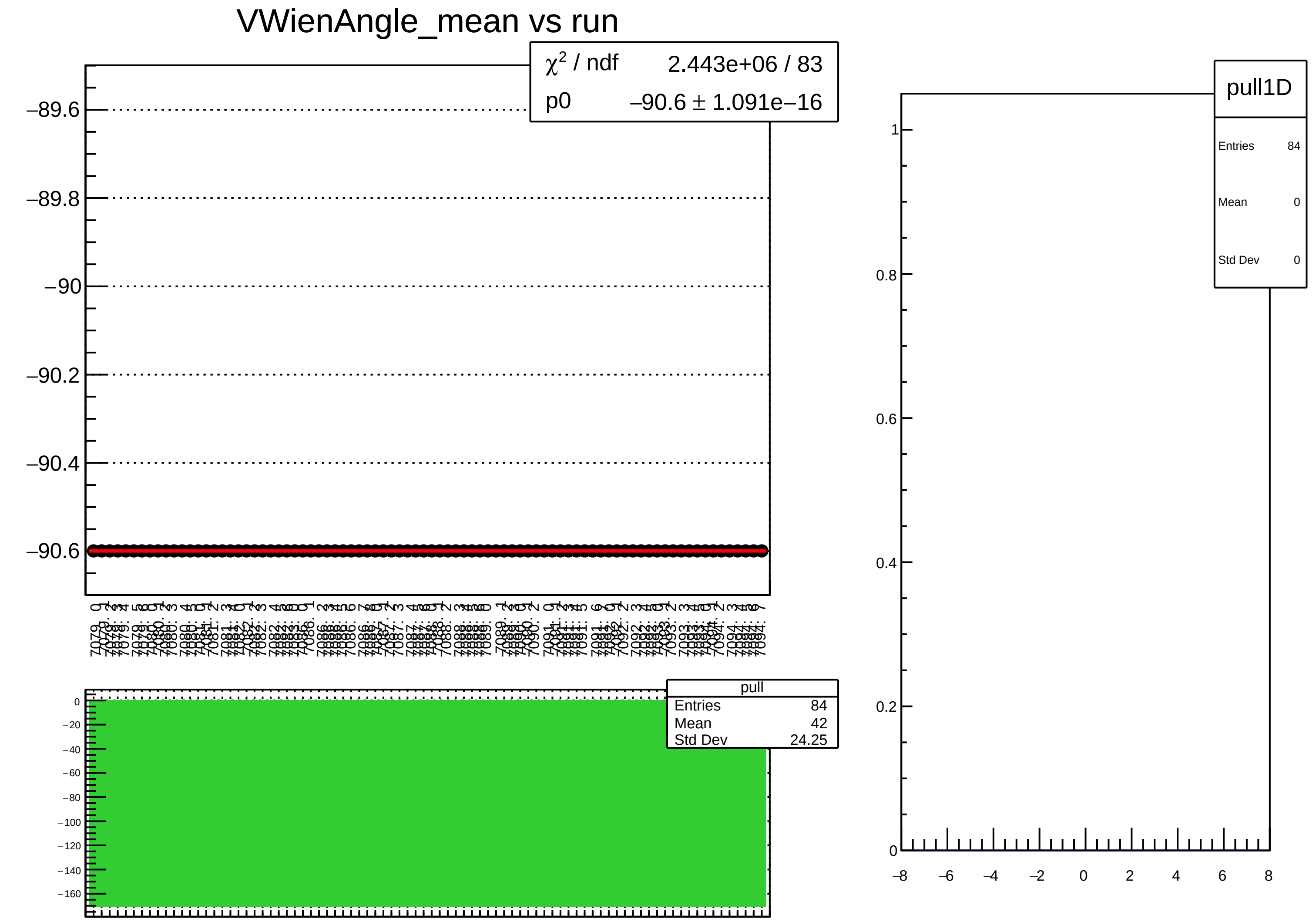


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 2097 / 83
p0 37.7 ± 0.2286
pull
Entries 84
Mean 129
Std Dev 97.28
pull1D
Entries 84
Mean 0.9334
Std Dev 3.92

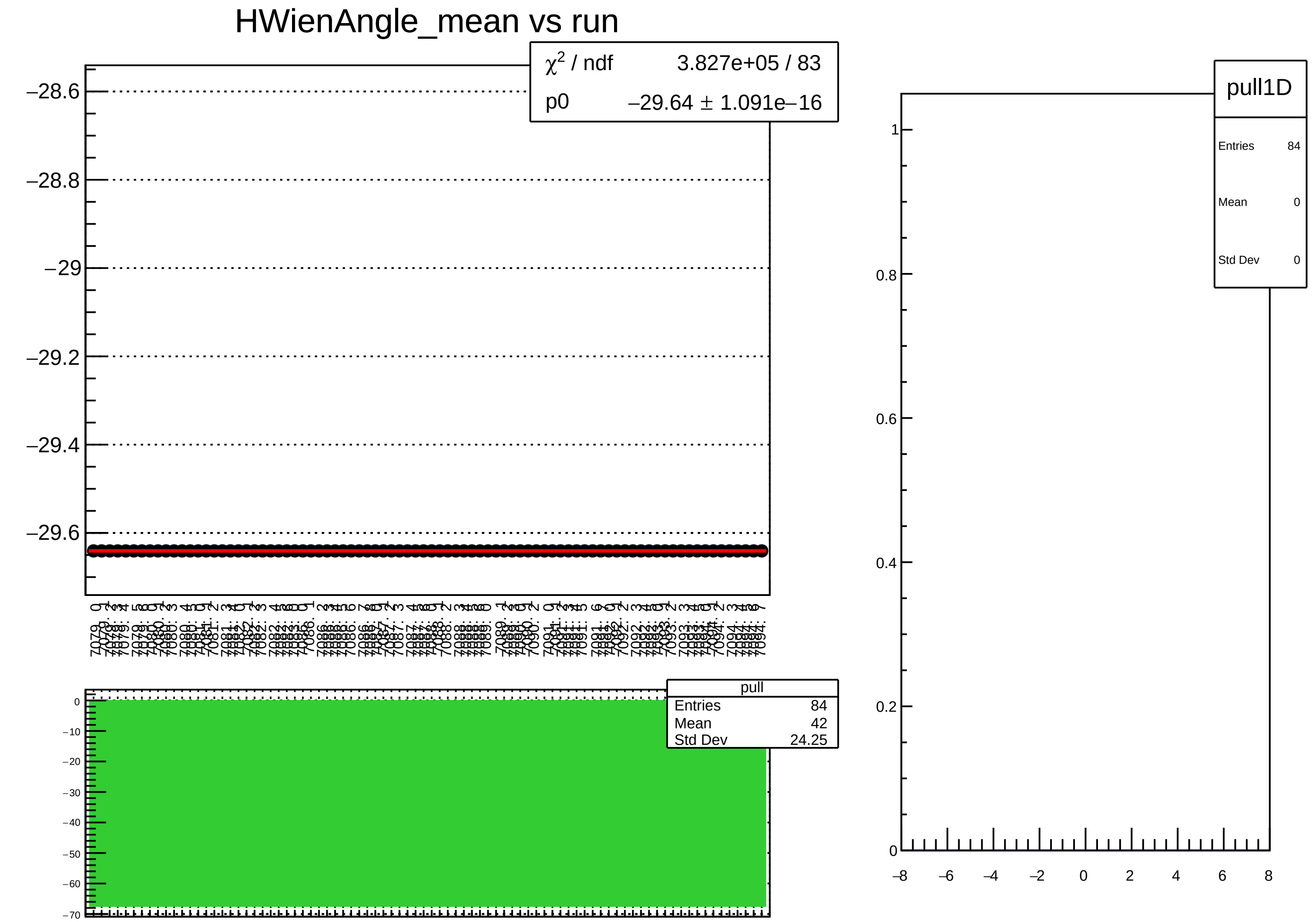

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ2 / ndf 383.1 / 83
p0 −7.106 ± 0.1896
pull
Entries 84
Mean 171.9
Std Dev 147.4
pull1D
Entries 84
Mean −0.1193
Std Dev 2.132



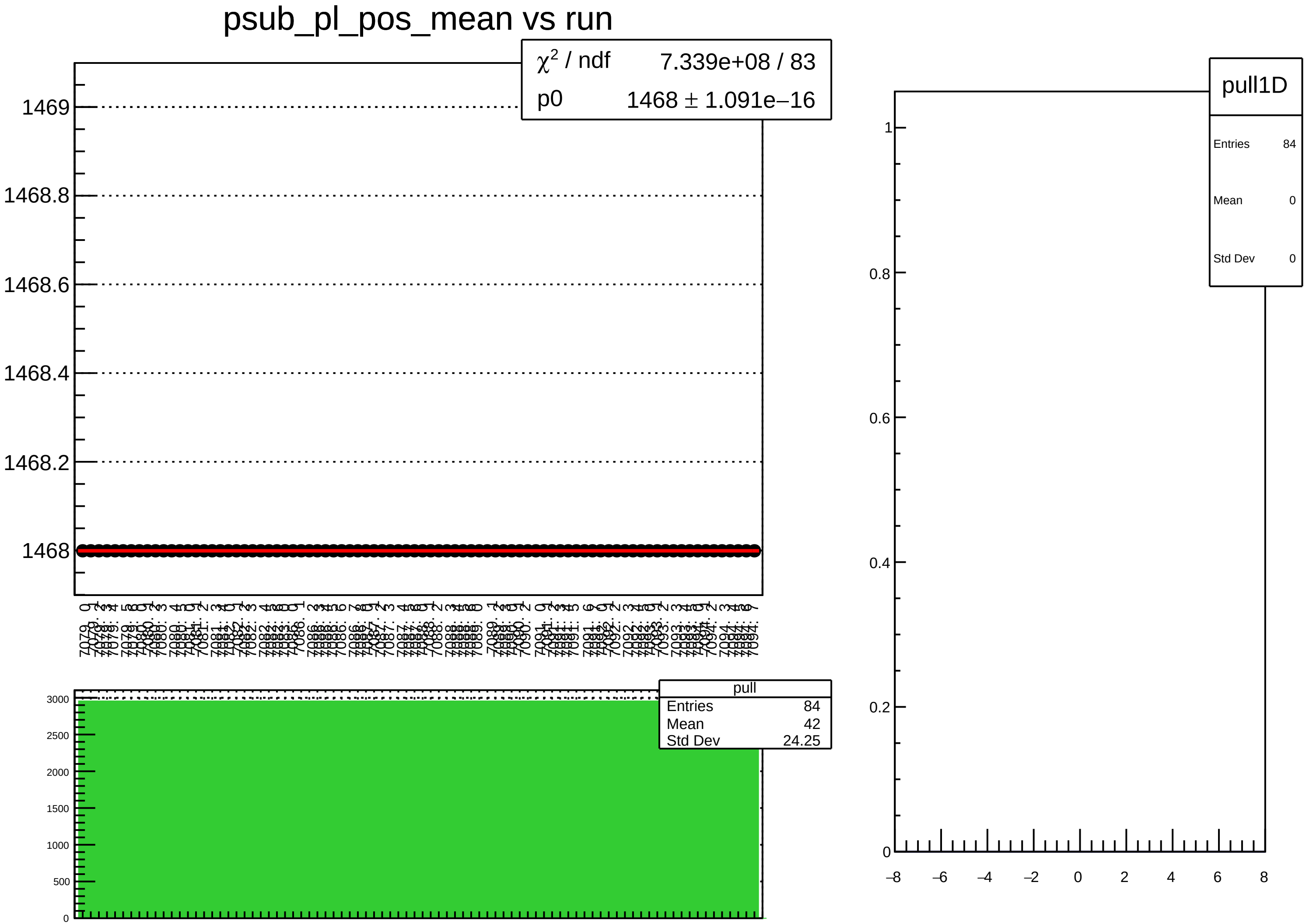
reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 151.7 / 83
p0 0.07202 ± 0.009036
pull
Entries 84
Mean −1572
Std Dev 1608
pull1D
Entries 84
Mean 0.004036
Std Dev 1.344

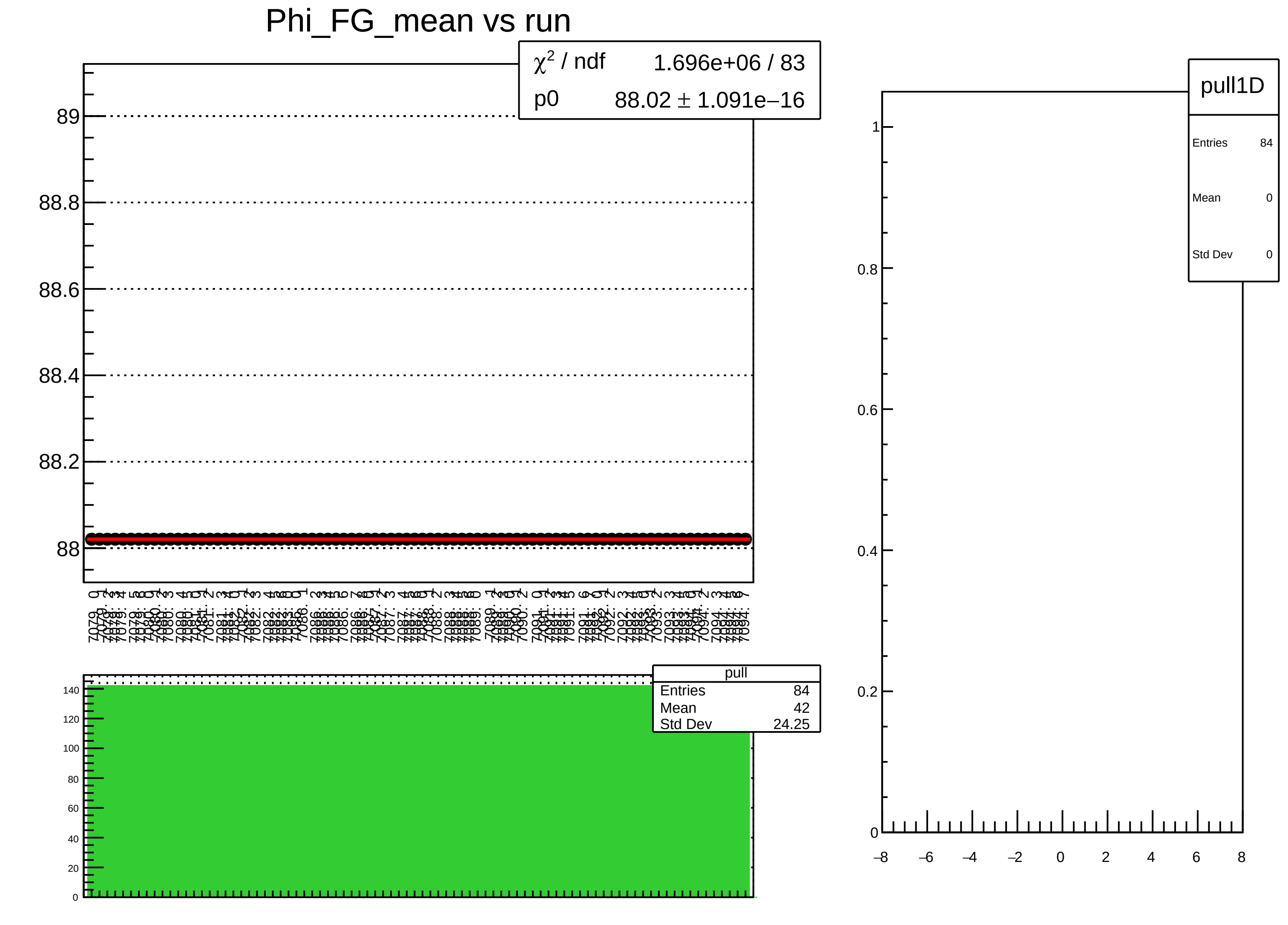


VWienAngle_mean vs run
χ2 / ndf 2.443e+06 / 83
p0 −90.6 ± 1.091e−16
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 0
Std Dev 0

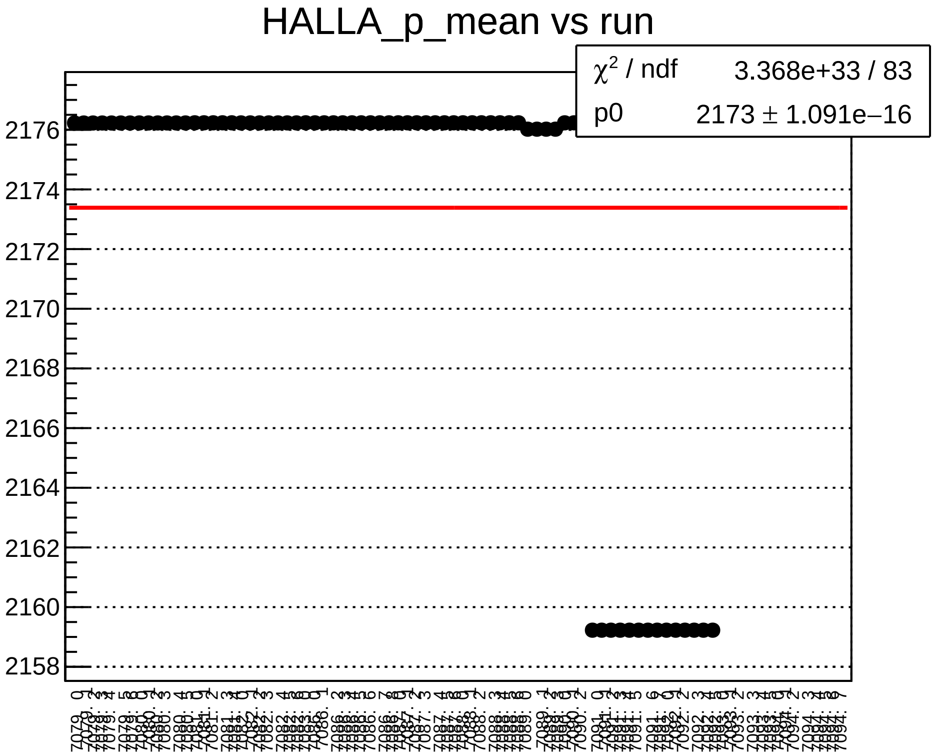


HWienAngle_mean vs run
χ^2 / ndf 3.827e+05 / 83
p0 −29.64 ± 1.091e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 0
Std Dev 0

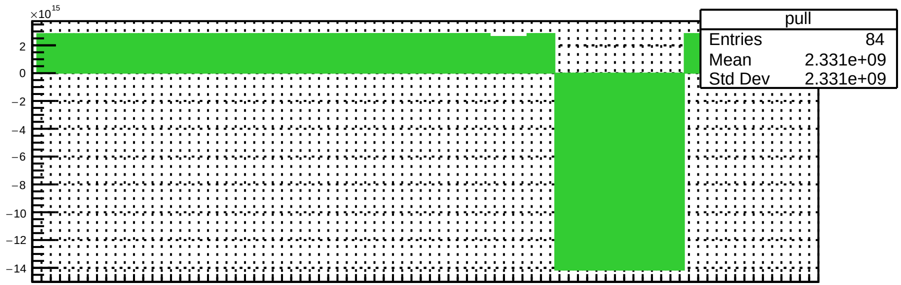

psub_pl_pos_mean vs run
χ^2 / ndf 7.339e+08 / 83
p0 1468 ± 1.091e−16
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 0
Std Dev 0



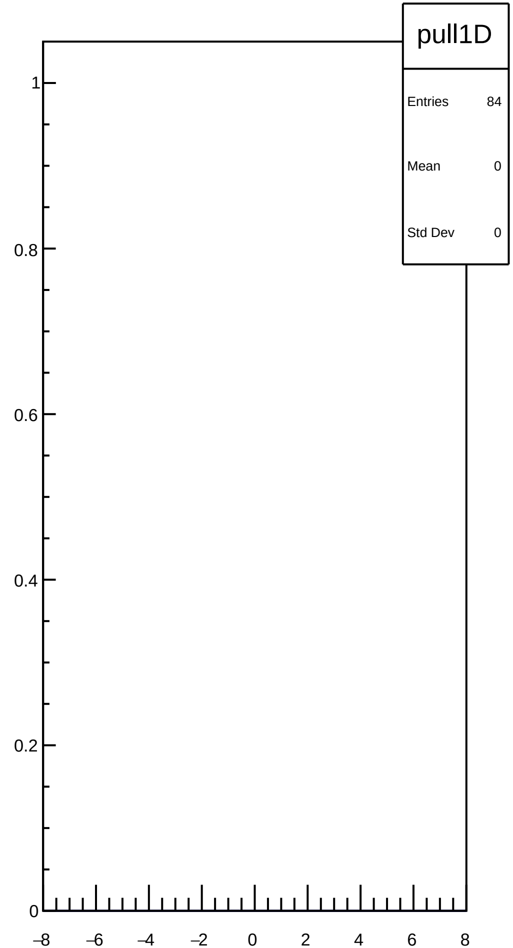
Phi_FG_mean vs run
χ^2 / ndf 1.696e+06 / 83
p0 88.02 ± 1.091e−16
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 0
Std Dev 0



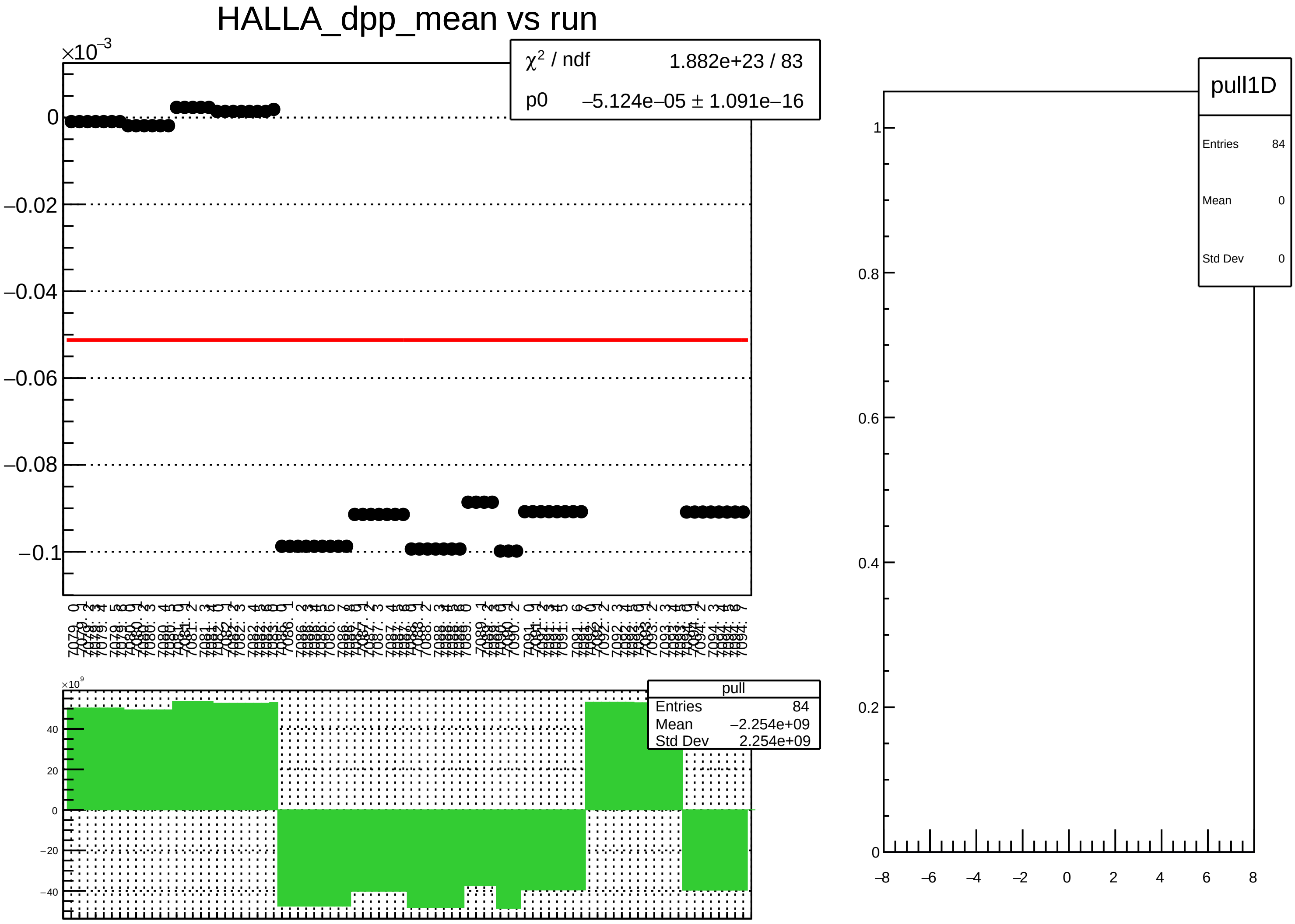
HALLA_p_mean vs run
χ^2 / ndf 3.368e+33 / 83
p0 2173 ± 1.091e−16



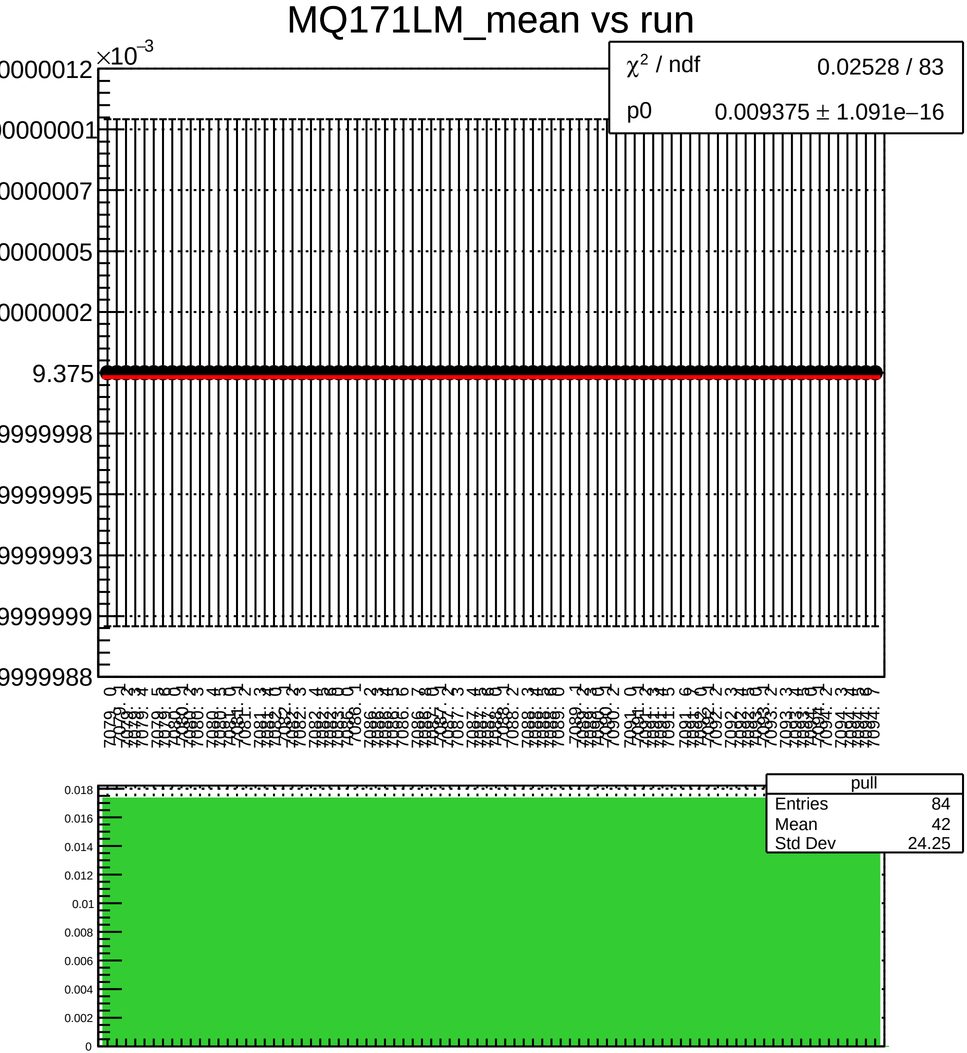
pull
Entries 84
Mean 2.331e+09
Std Dev 2.331e+09



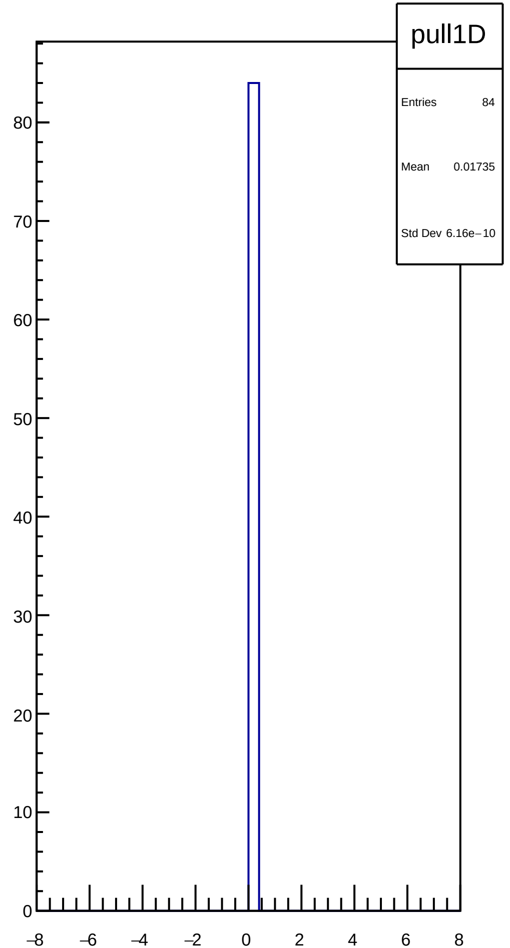
pull1D
Entries 84
Mean 0
Std Dev 0



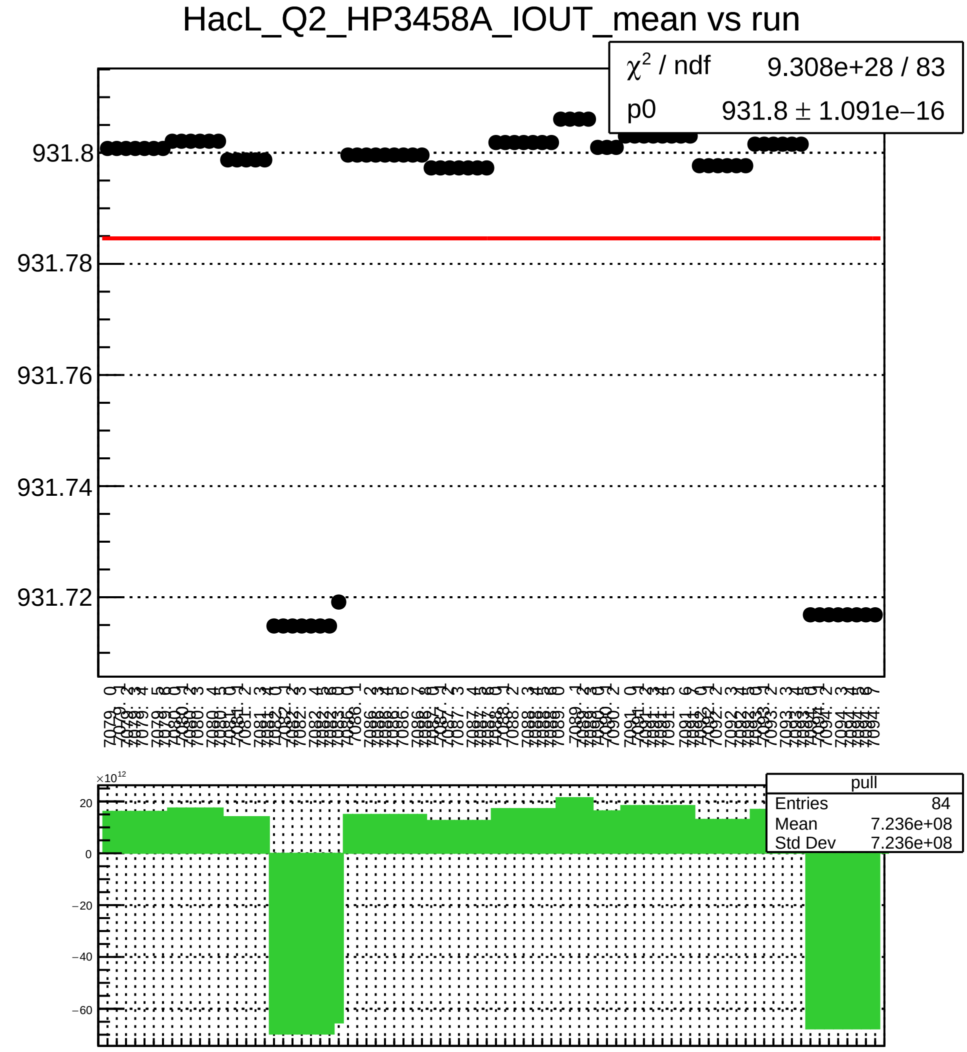
HALLA_dpp_mean vs run
χ^2 / ndf 1.882e+23 / 83
p0 −5.124e−05 ± 1.091e−16
pull
Entries 84
Mean −2.254e+09
Std Dev 2.254e+09
pull1D
Entries 84
Mean 0
Std Dev 0



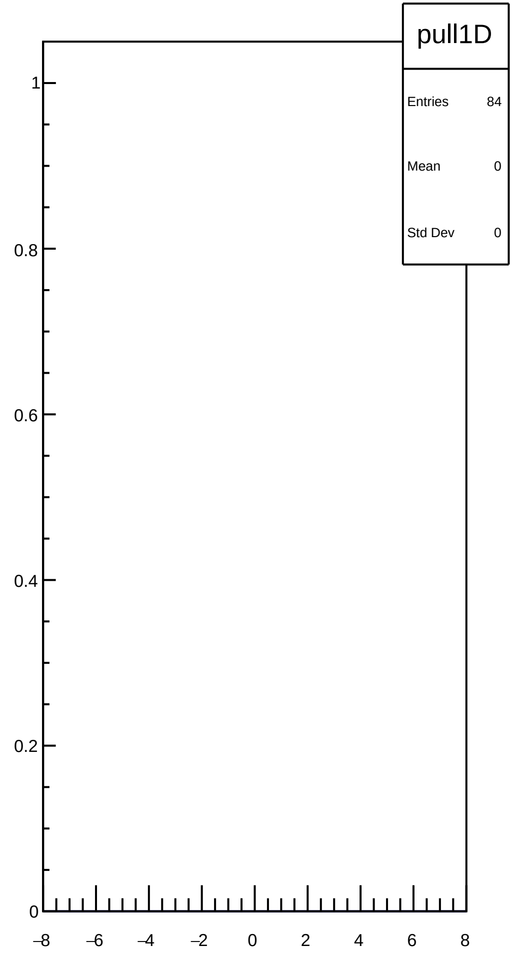
MQ171LM_mean vs run
χ^2 / ndf 0.02528 / 83
p0 0.009375 ± 1.091e−16
9.375
pull
Entries 84
Mean 42
Std Dev 24.25



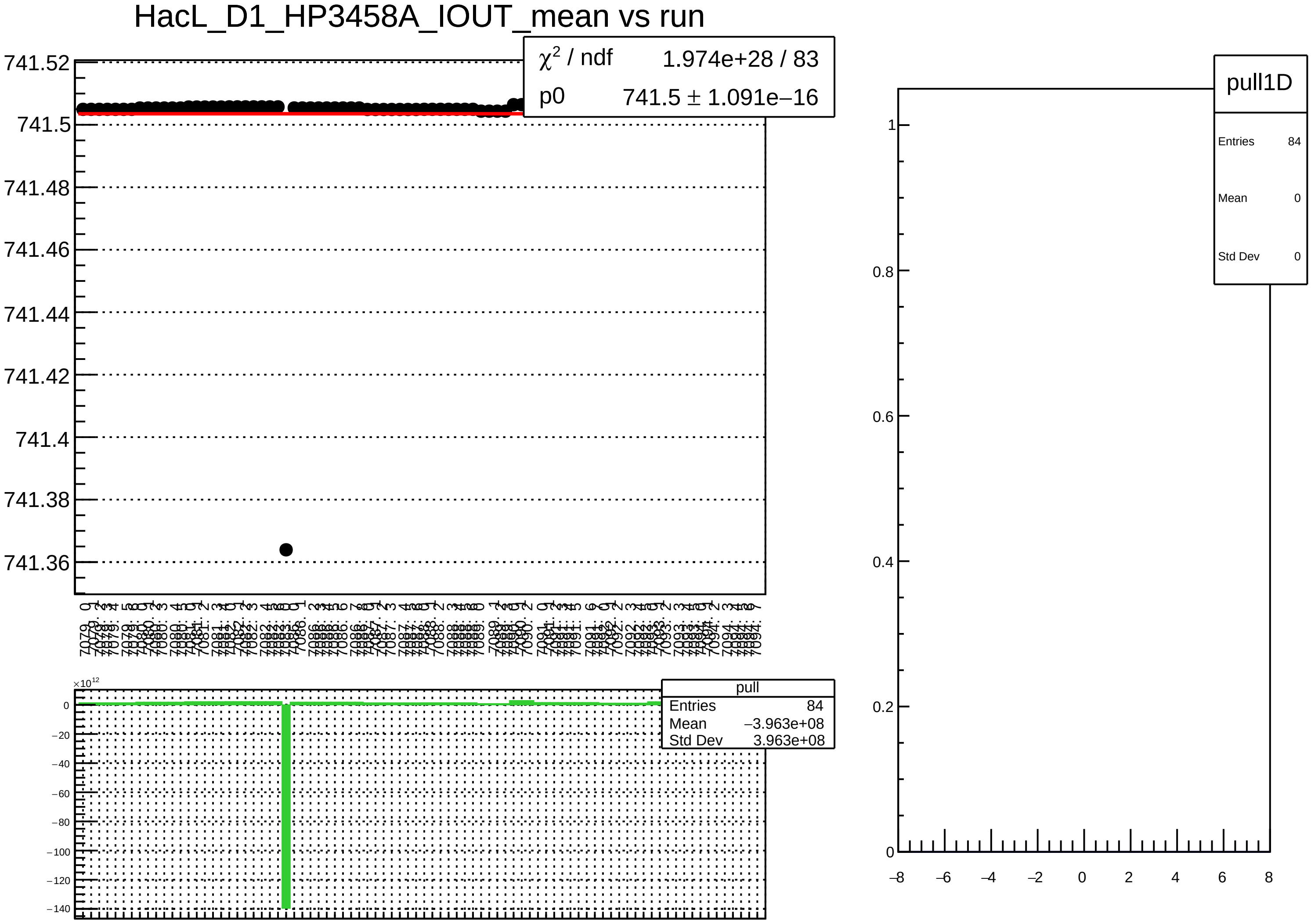
pull1D
Entries 84
Mean 0.01735
Std Dev 6.16e−10



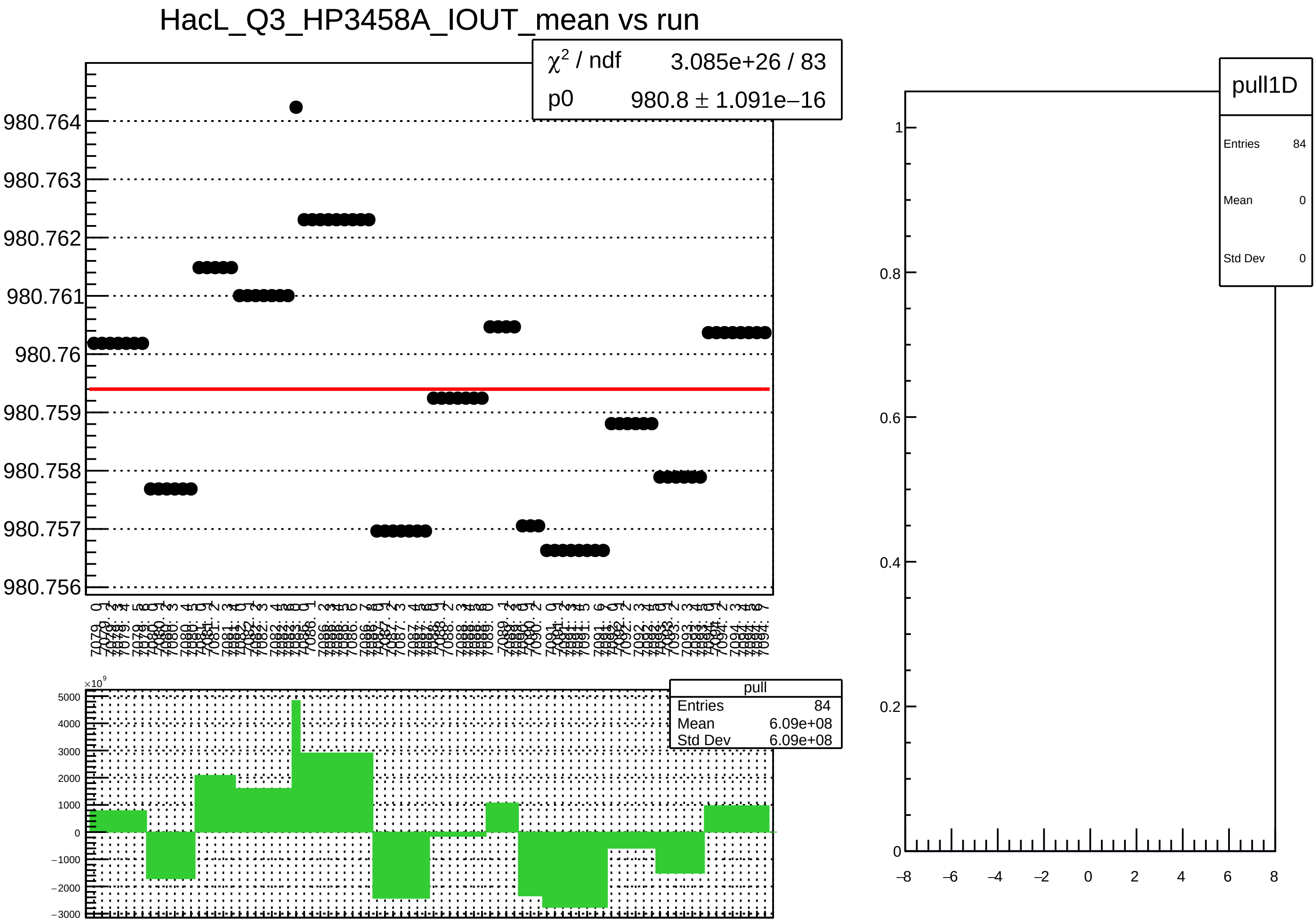
HacL_Q2_HP3458A_IOUT_mean vs run
χ^2 / ndf 9.308e+28 / 83
p0 931.8 ± 1.091e−16
931.8
931.78
931.76
931.74
931.72
×10^12
20
0
−20
−40
−60
pull
Entries 84
Mean 7.236e+08
Std Dev 7.236e+08

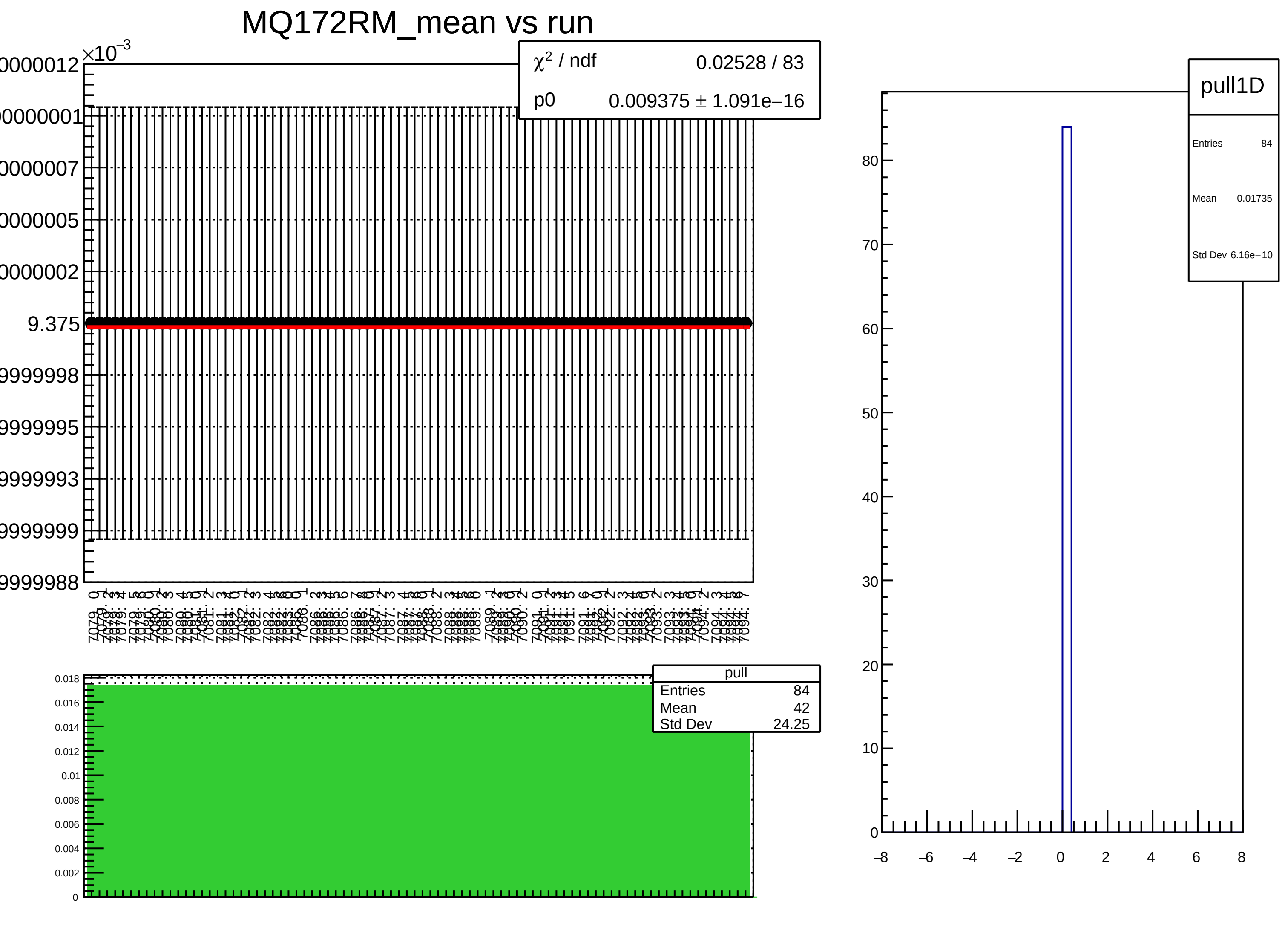


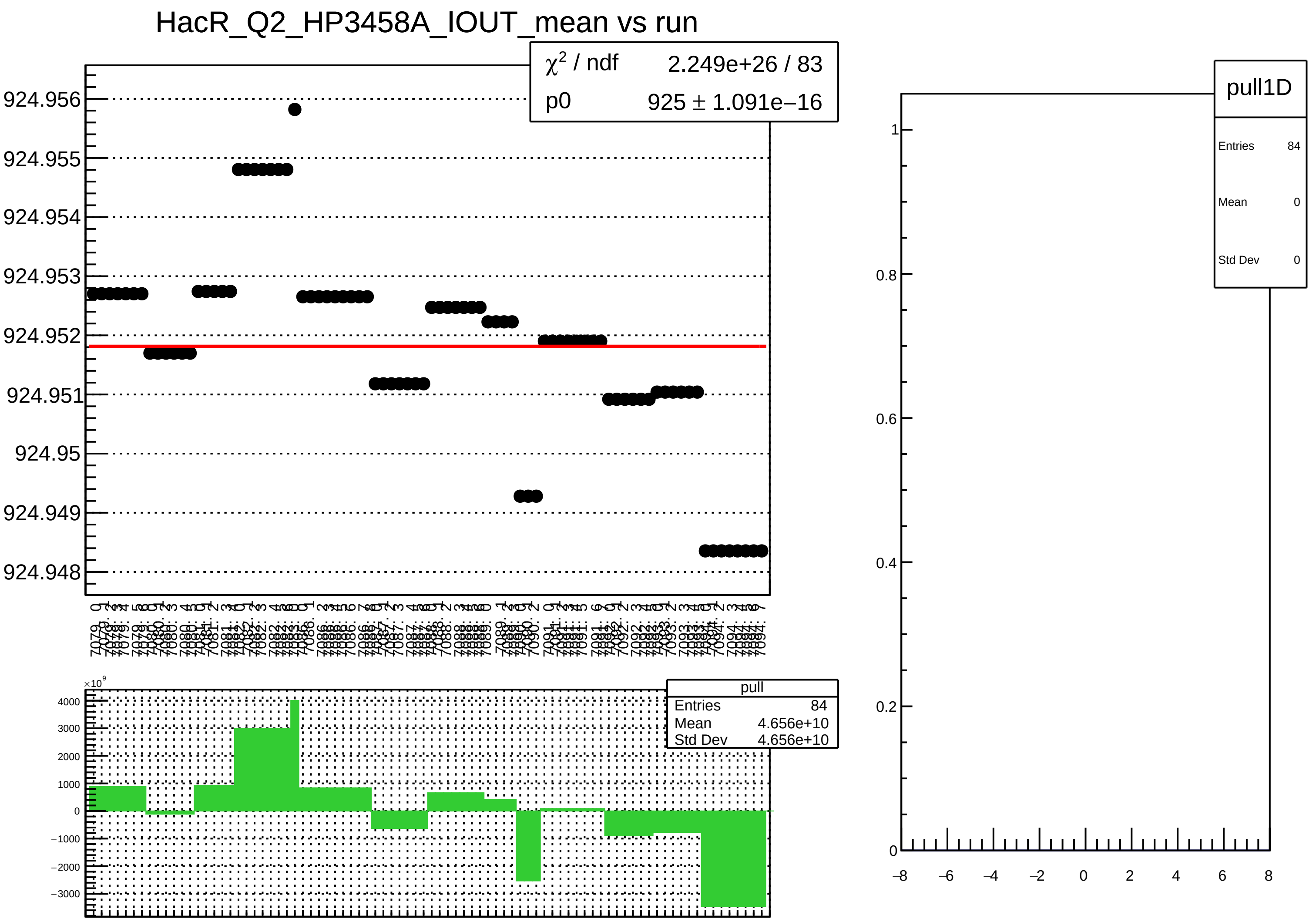
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



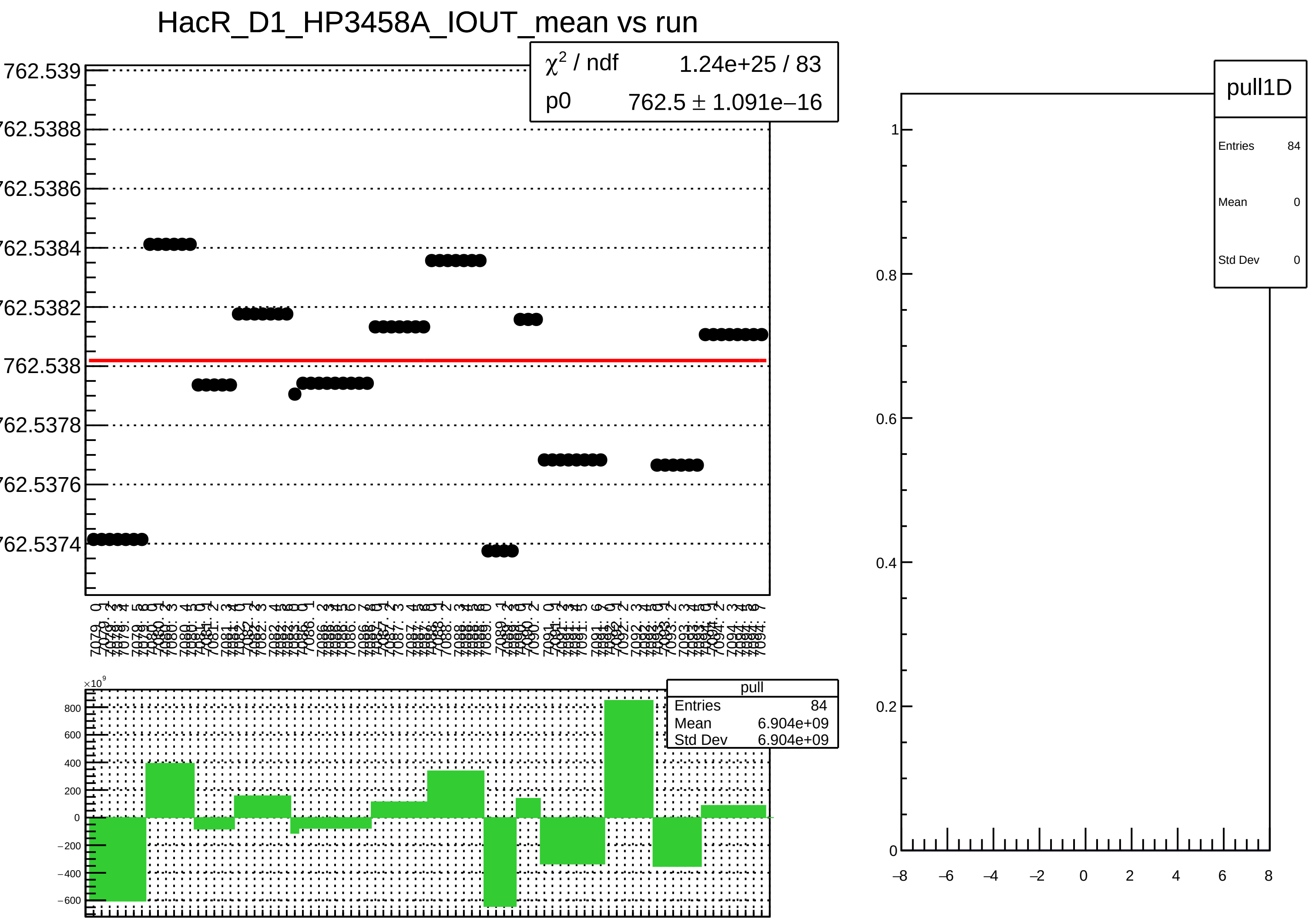
HacL_D1_HP3458A_IOUT_mean vs run
χ2 / ndf 1.974e+28 / 83
p0 741.5 ± 1.091e−16
pull
Entries 84
Mean −3.963e+08
Std Dev 3.963e+08
pull1D
Entries 84
Mean 0
Std Dev 0


HacL_Q3_HP3458A_IOUT_mean vs run
χ^2 / ndf 3.085e+26 / 83
p0 980.8 ± 1.091e−16
980.764
980.763
980.762
980.761
980.76
980.759
980.758
980.757
980.756
×10⁹
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean 6.09e+08
Std Dev 6.09e+08
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8

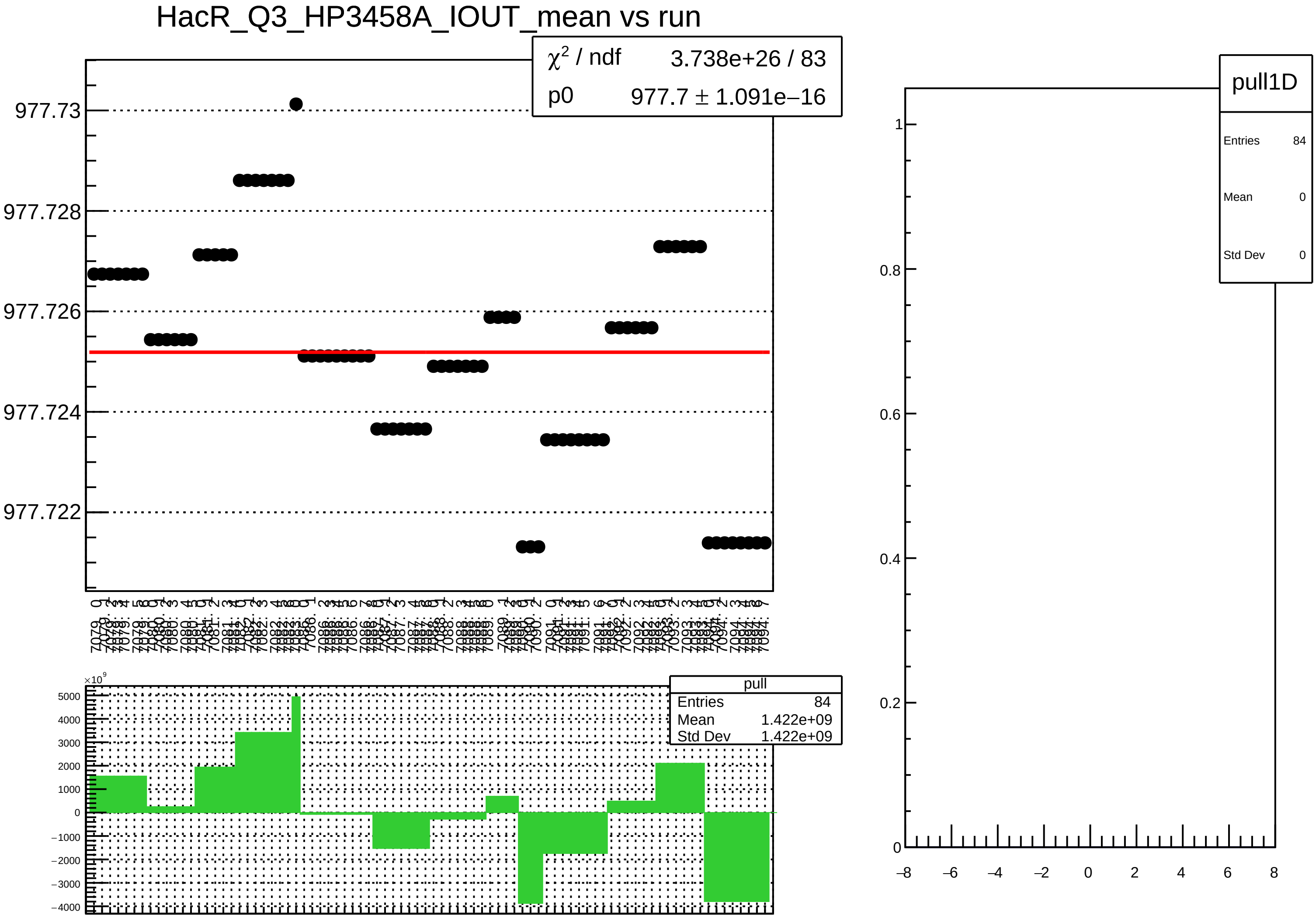

MQ172RM_mean vs run
χ^2 / ndf 0.02528 / 83
p0 0.009375 ± 1.091e−16
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 0.01735
Std Dev 6.16e−10

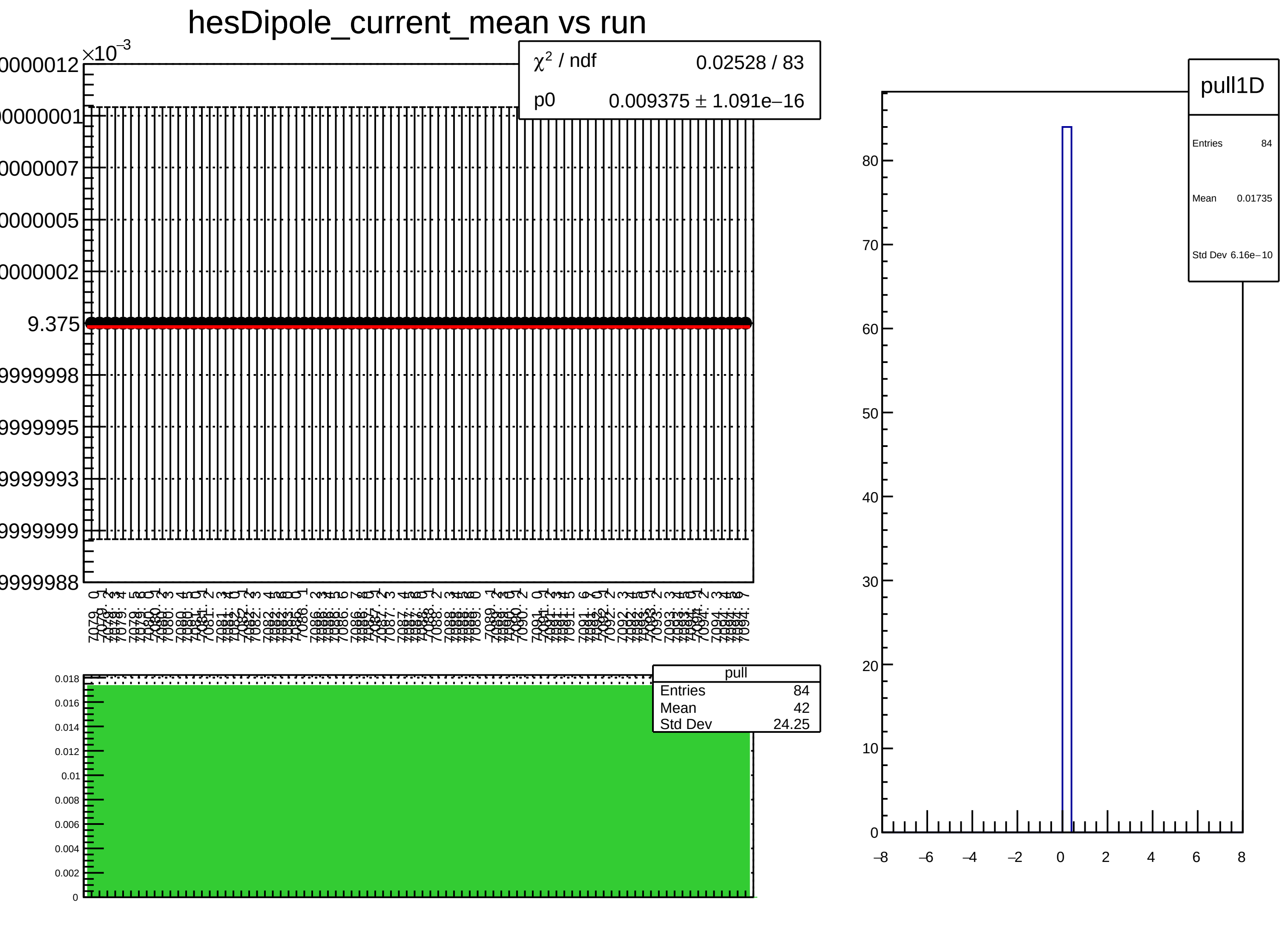


HacR_Q2_HP3458A_IOUT_mean vs run
χ2 / ndf 2.249e+26 / 83
p0 925 ± 1.091e−16
924.956
924.955
924.954
924.953
924.952
924.951
924.95
924.949
924.948
pull
Entries 84
Mean 4.656e+10
Std Dev 4.656e+10
×10^9
4000
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

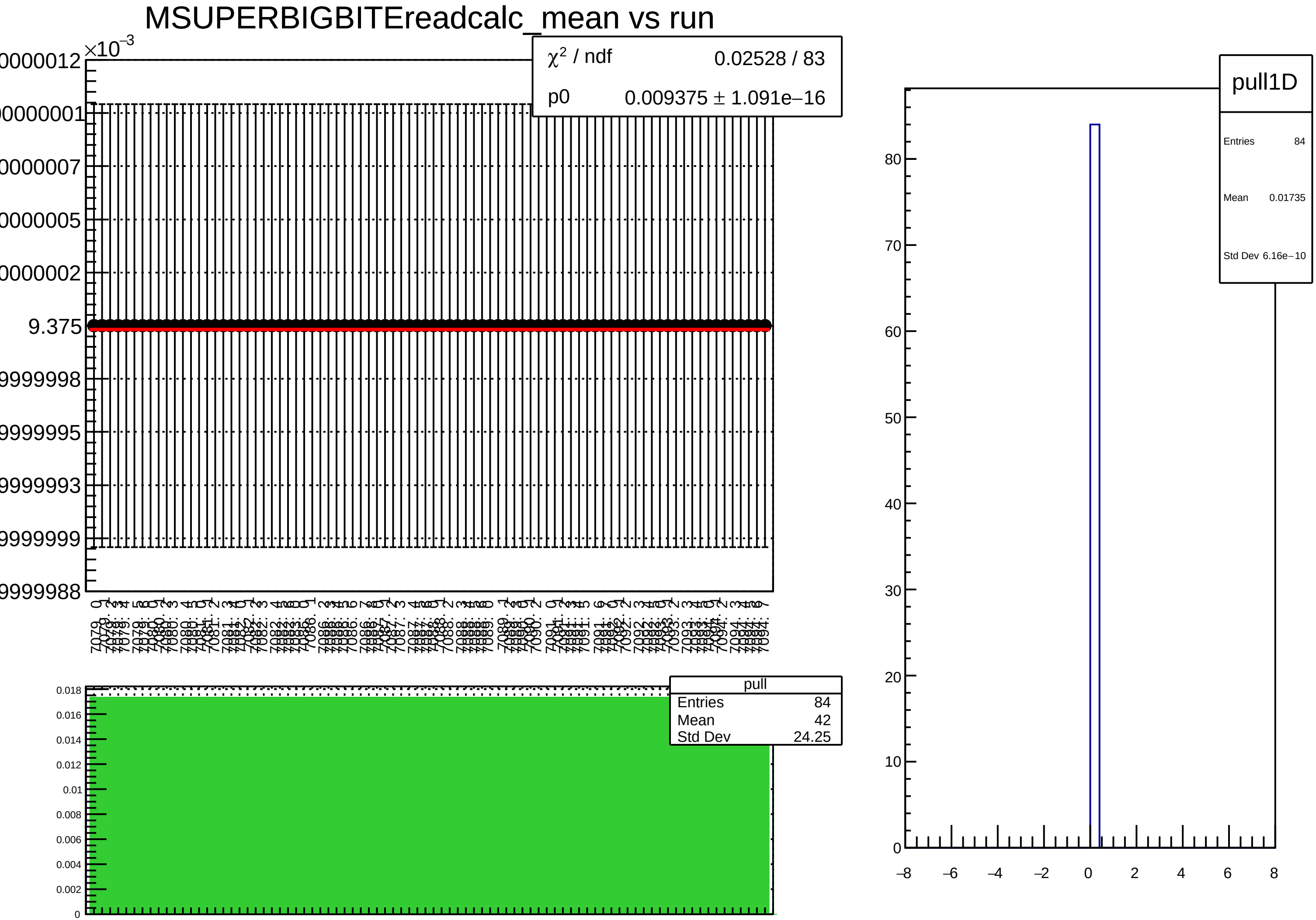


HacR_D1_HP3458A_IOUT_mean vs run
χ2 / ndf 1.24e+25 / 83
p0 762.5 ± 1.091e−16
762.539
762.5388
762.5386
762.5384
762.5382
762.538
762.5378
762.5376
762.5374
×10^9
800
600
400
200
0
−200
−400
−600
pull
Entries 84
Mean 6.904e+09
Std Dev 6.904e+09
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8


HacR_Q3_HP3458A_IOUT_mean vs run
χ^2 / ndf 3.738e+26 / 83
p0 977.7 ± 1.091e−16
977.73
977.728
977.726
977.724
977.722
×10^9
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 84
Mean 1.422e+09
Std Dev 1.422e+09
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

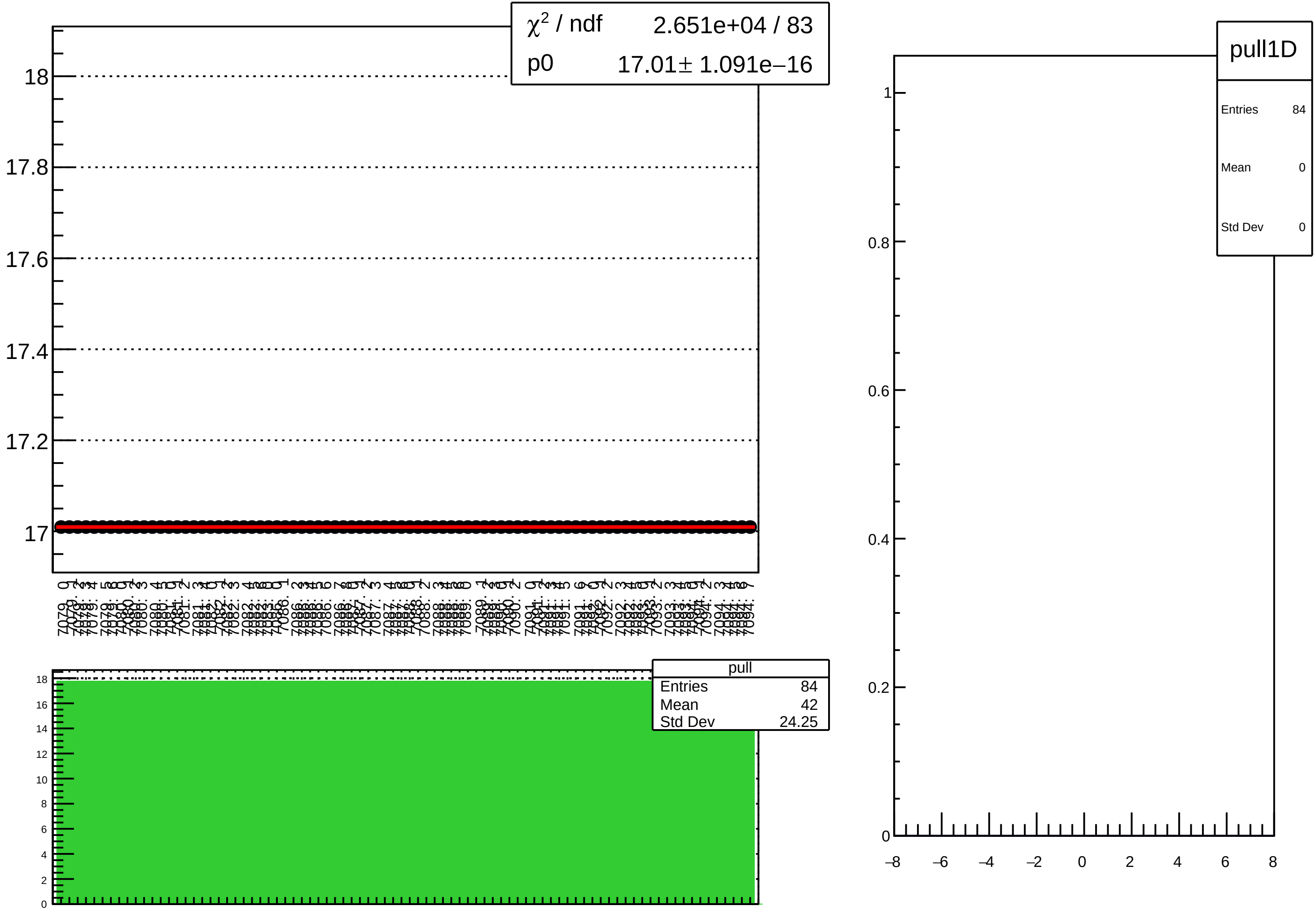


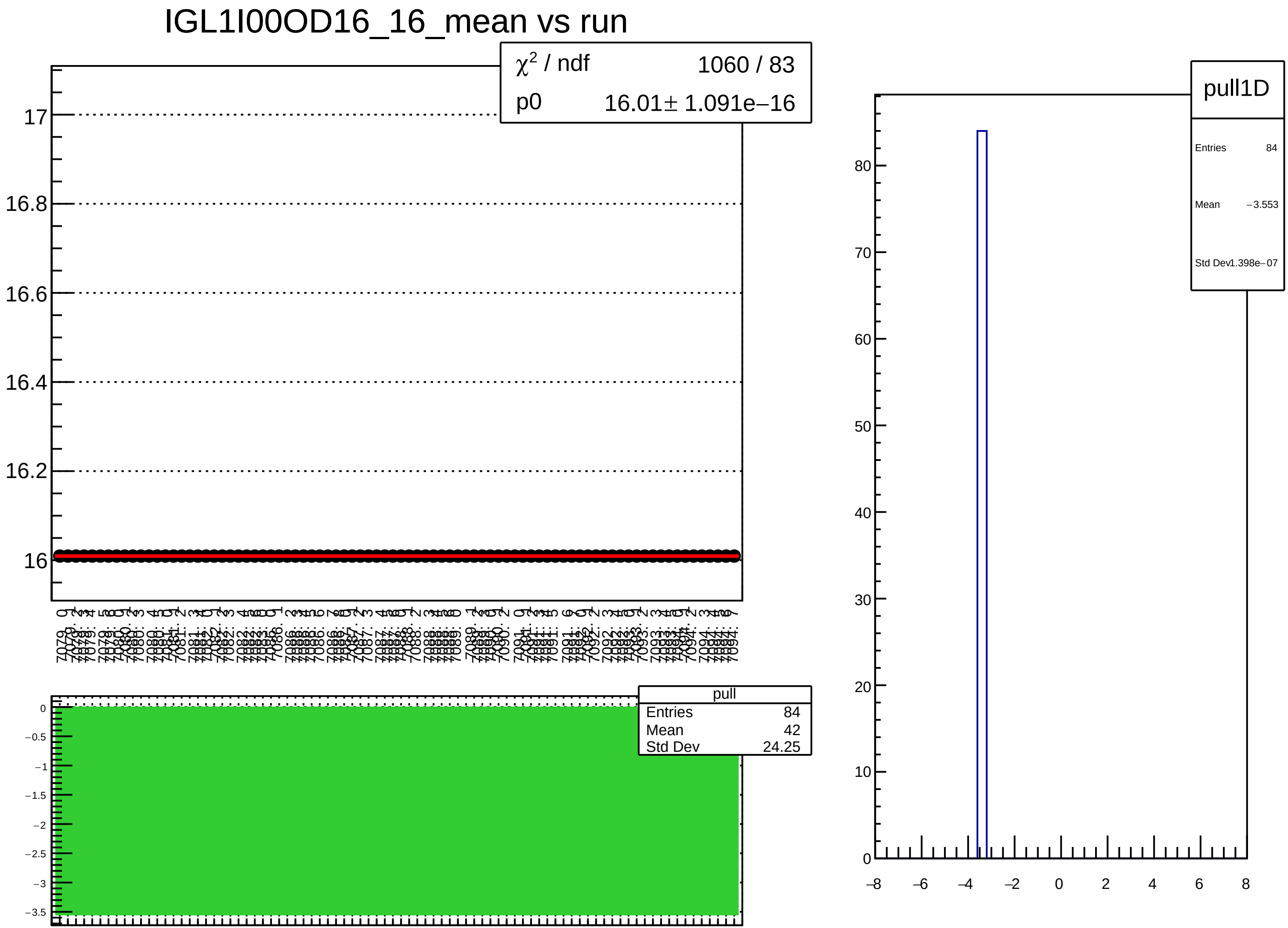
hesDipole_current_mean vs run
χ^2 / ndf 0.02528 / 83
p0 0.009375 ± 1.091e−16
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 0.01735
Std Dev 6.16e−10

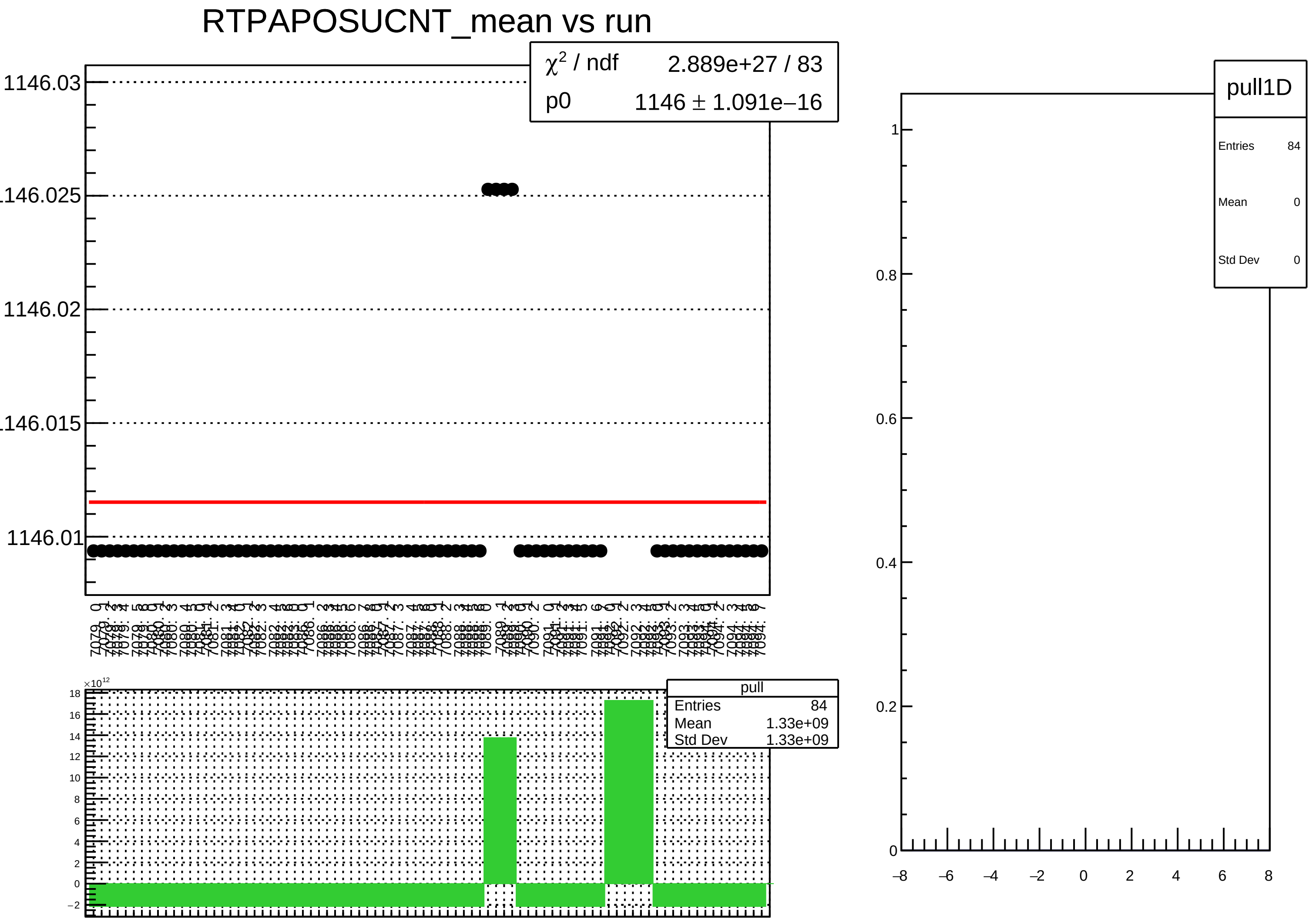


MSUPERBIGBITEreadcalc_mean vs run
×10^-3
χ2 / ndf 0.02528 / 83
p0 0.009375 ± 1.091e−16
9.375
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 0.01735
Std Dev 6.16e−10

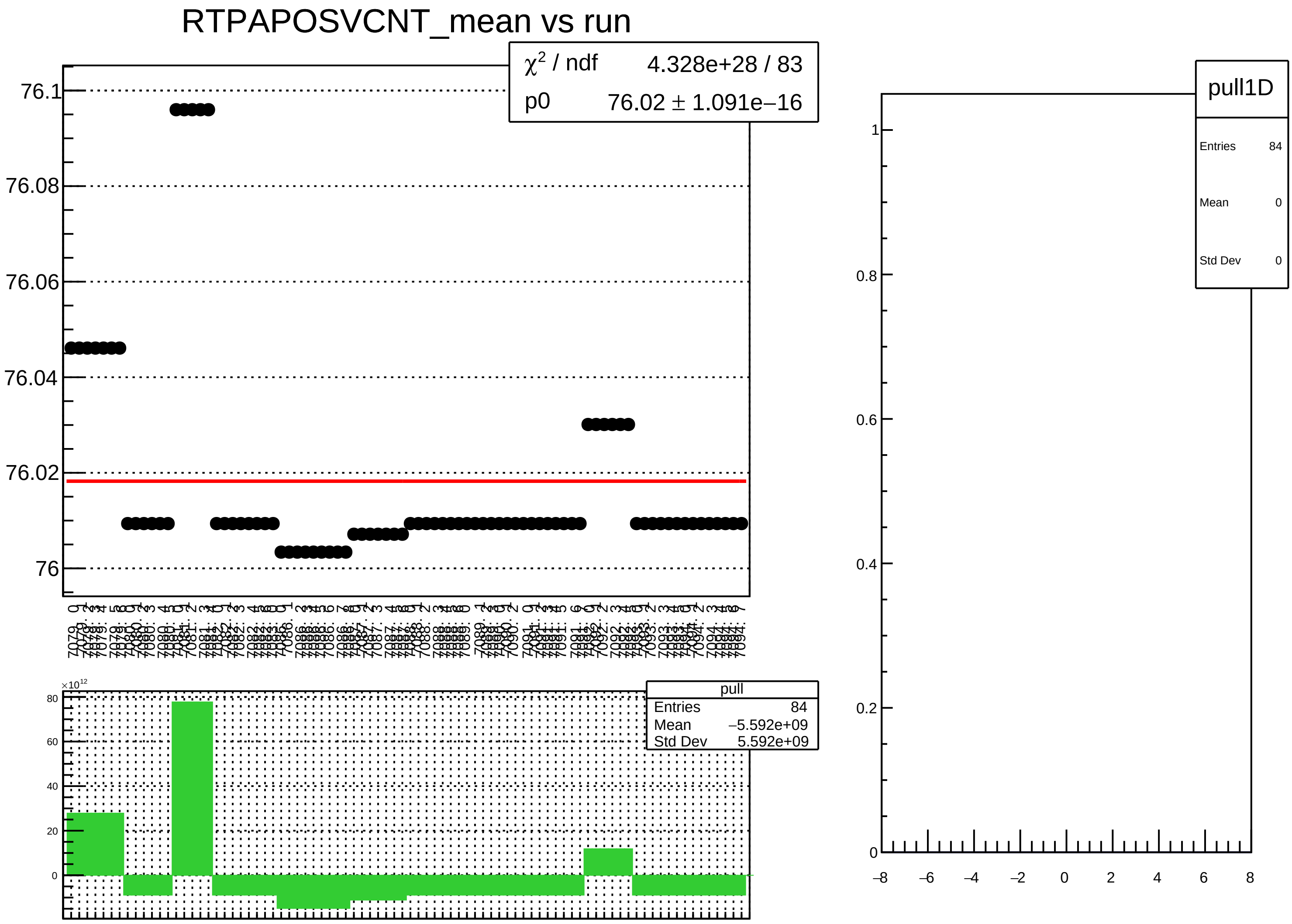
IGL1I00DI24_24M_mean vs run




IGL1I00OD16_16_mean vs run
χ2 / ndf 1060 / 83
p0 16.01± 1.091e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 84
Mean 42
Std Dev 24.25
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 84
Mean −3.553
Std Dev1.398e−07
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



RTPAPOSUCNT_mean vs run
χ^2 / ndf 2.889e+27 / 83
p0 1146 ± 1.091e−16
pull
Entries 84
Mean 1.33e+09
Std Dev 1.33e+09
pull1D
Entries 84
Mean 0
Std Dev 0


RTPAPOSVCNT_mean vs run
χ^2 / ndf 4.328e+28 / 83
p0 76.02 ± 1.091e−16
pull
Entries 84
Mean −5.592e+09
Std Dev 5.592e+09
pull1D
Entries 84
Mean 0
Std Dev 0