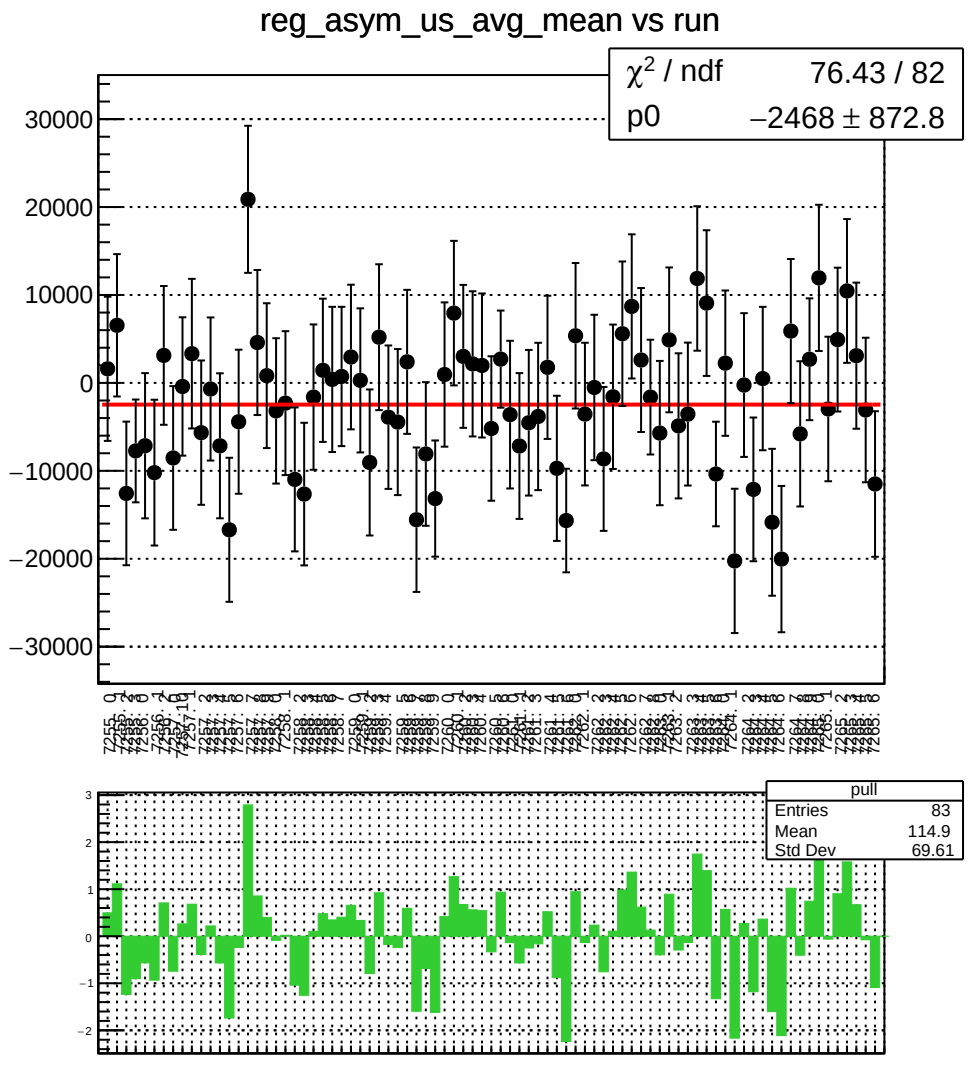
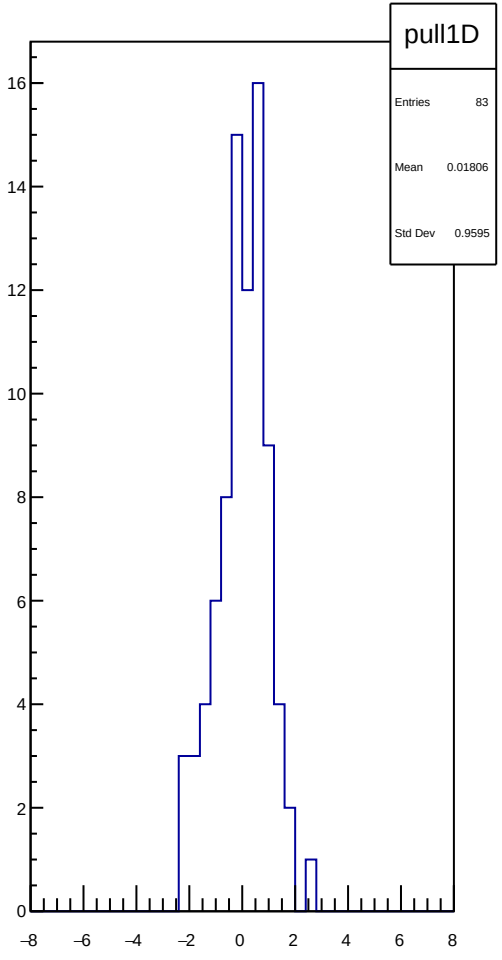
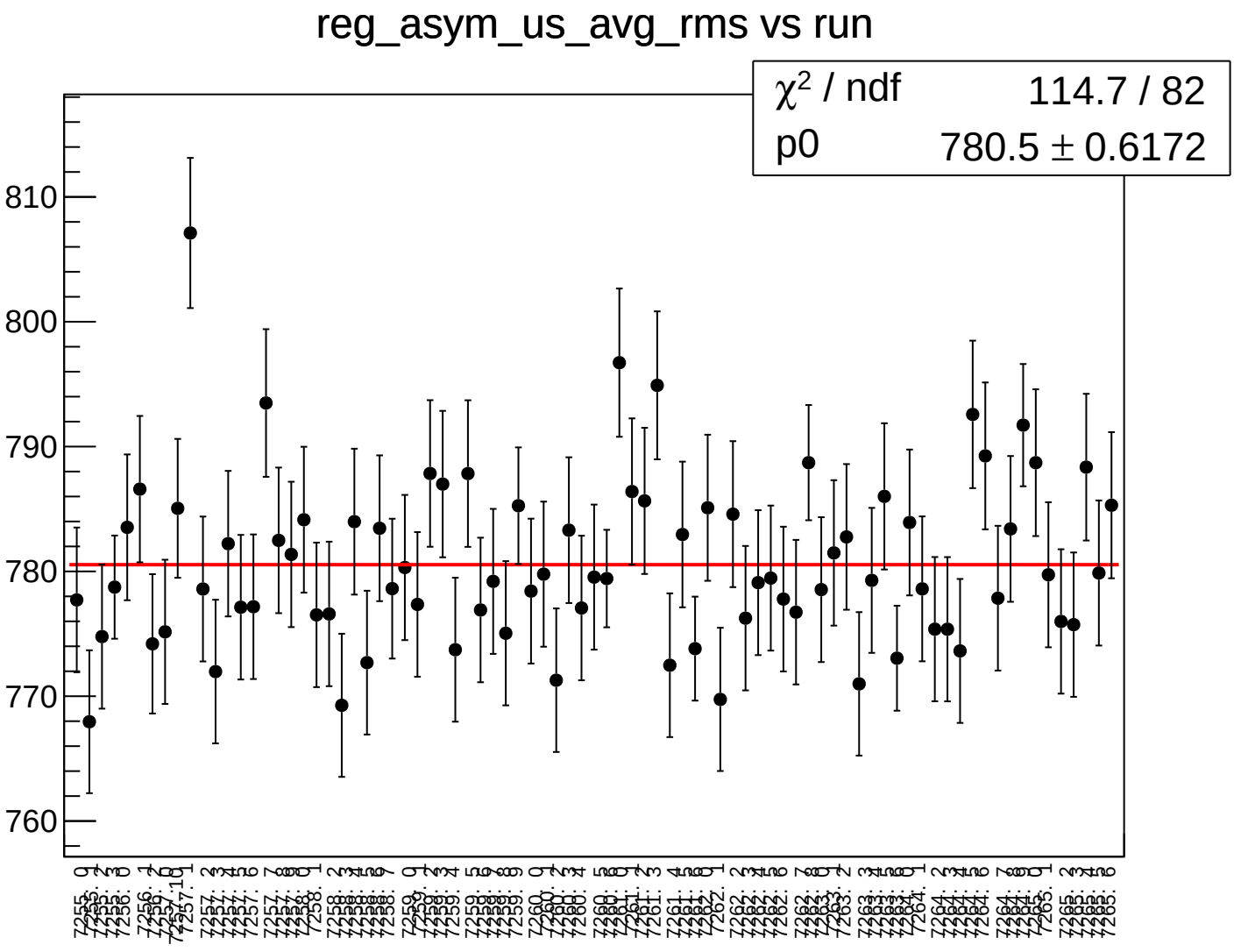
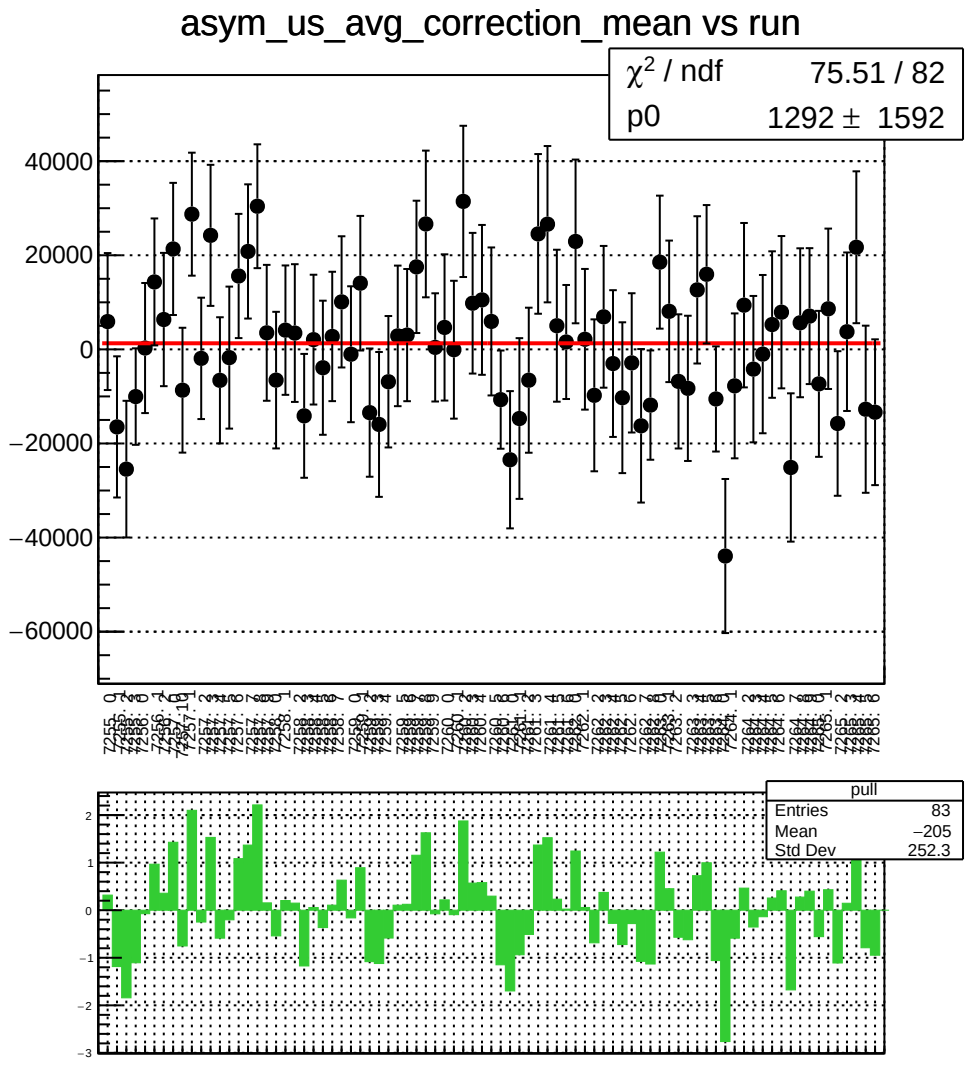
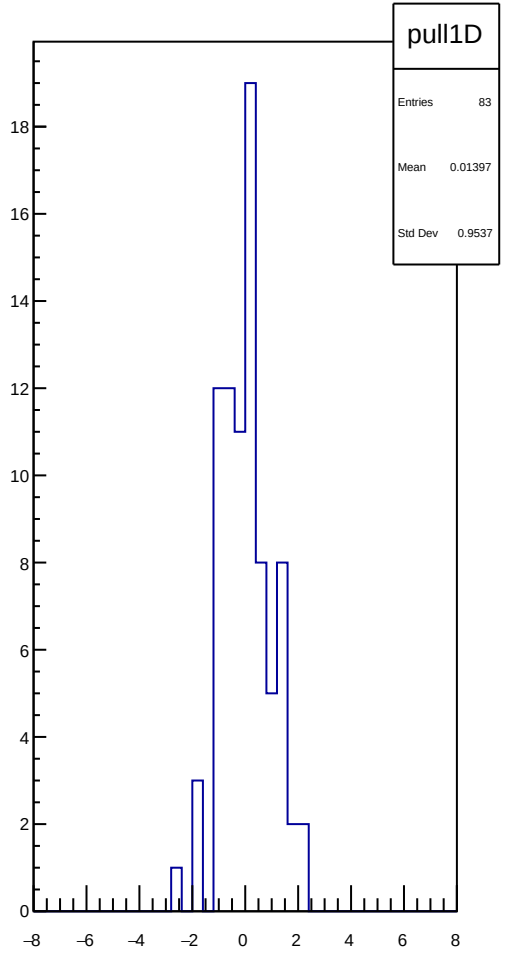
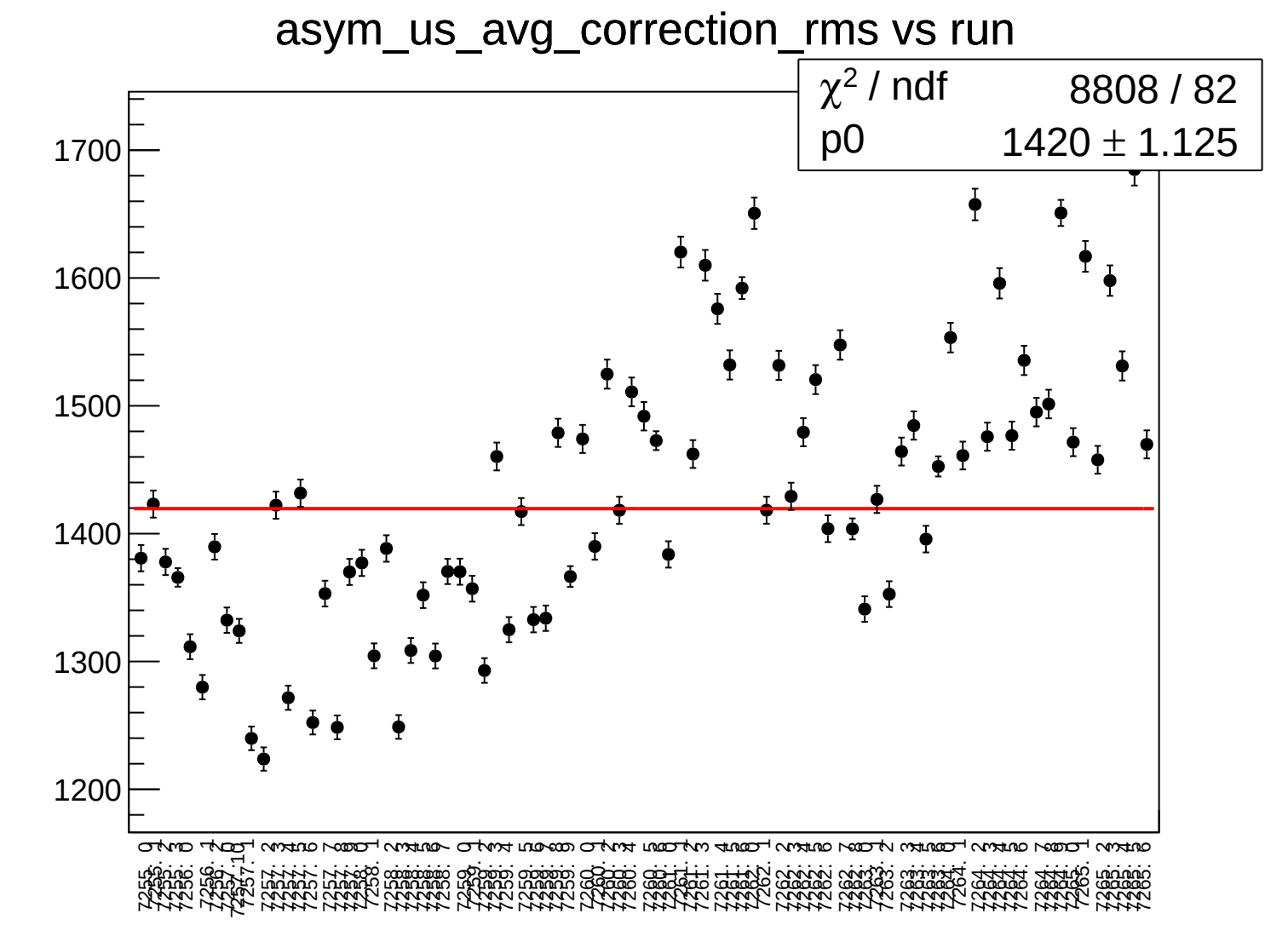

reg_asym_us_avg_mean vs run
χ² / ndf 76.43 / 82
p0 −2468 ± 872.8
pull
Entries 83
Mean 114.9
Std Dev 69.61

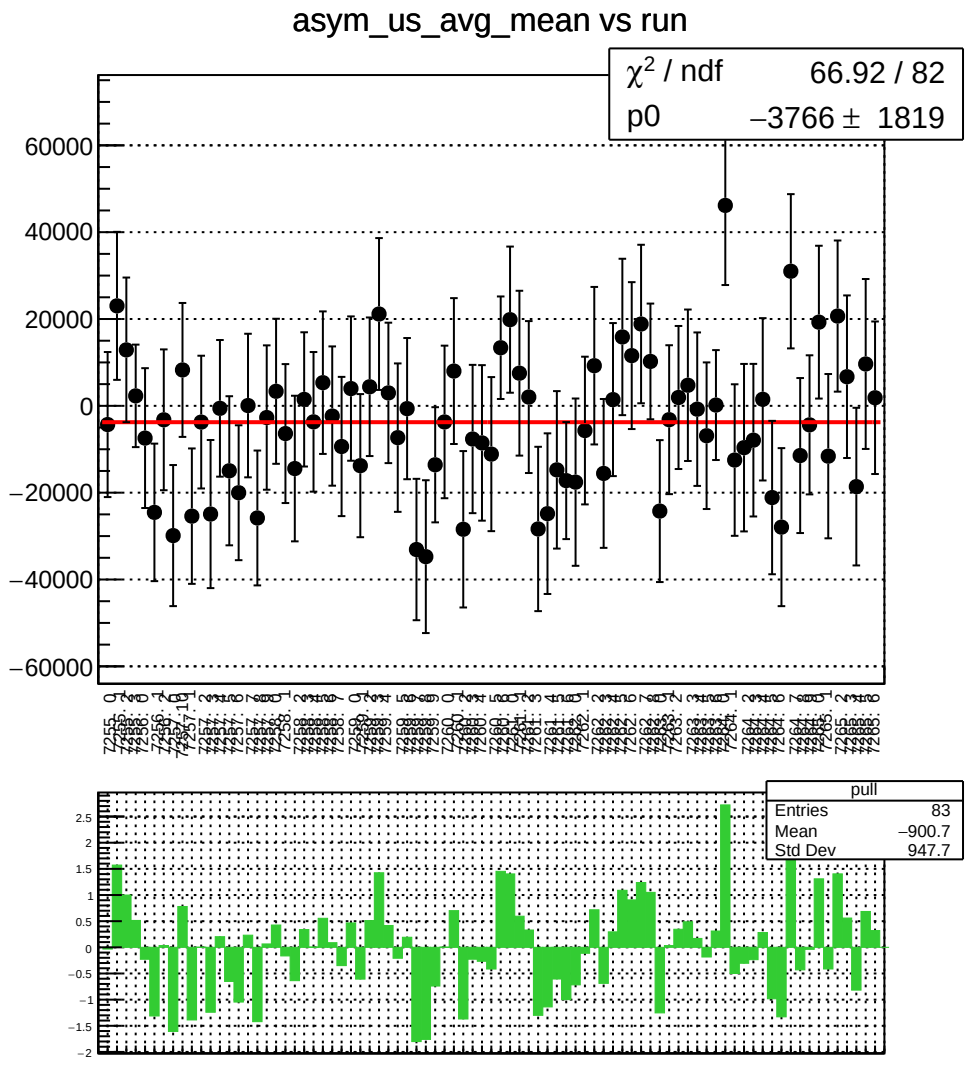

pull1D
Entries 83
Mean 0.01806
Std Dev 0.9595

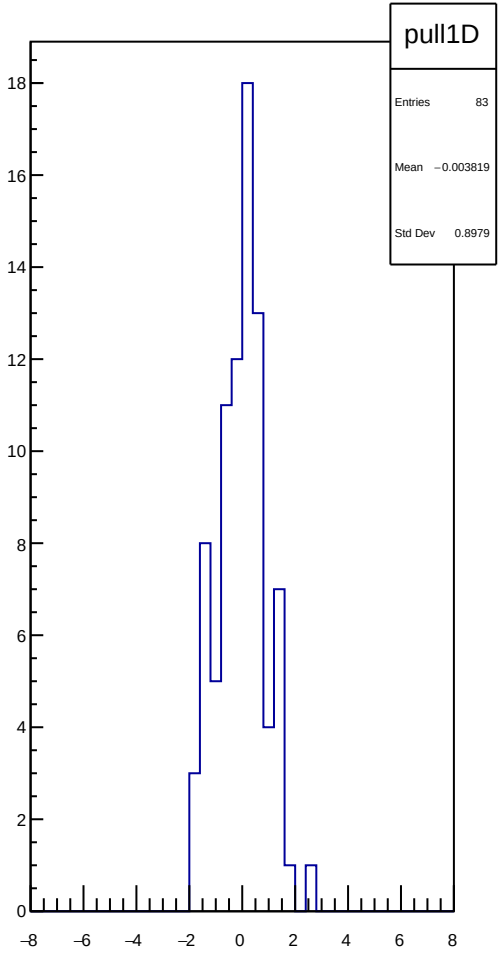

reg_asym_us_avg_rms vs run
χ^2 / ndf 114.7 / 82
p0 780.5 ± 0.6172
810
800
790
780
770
760

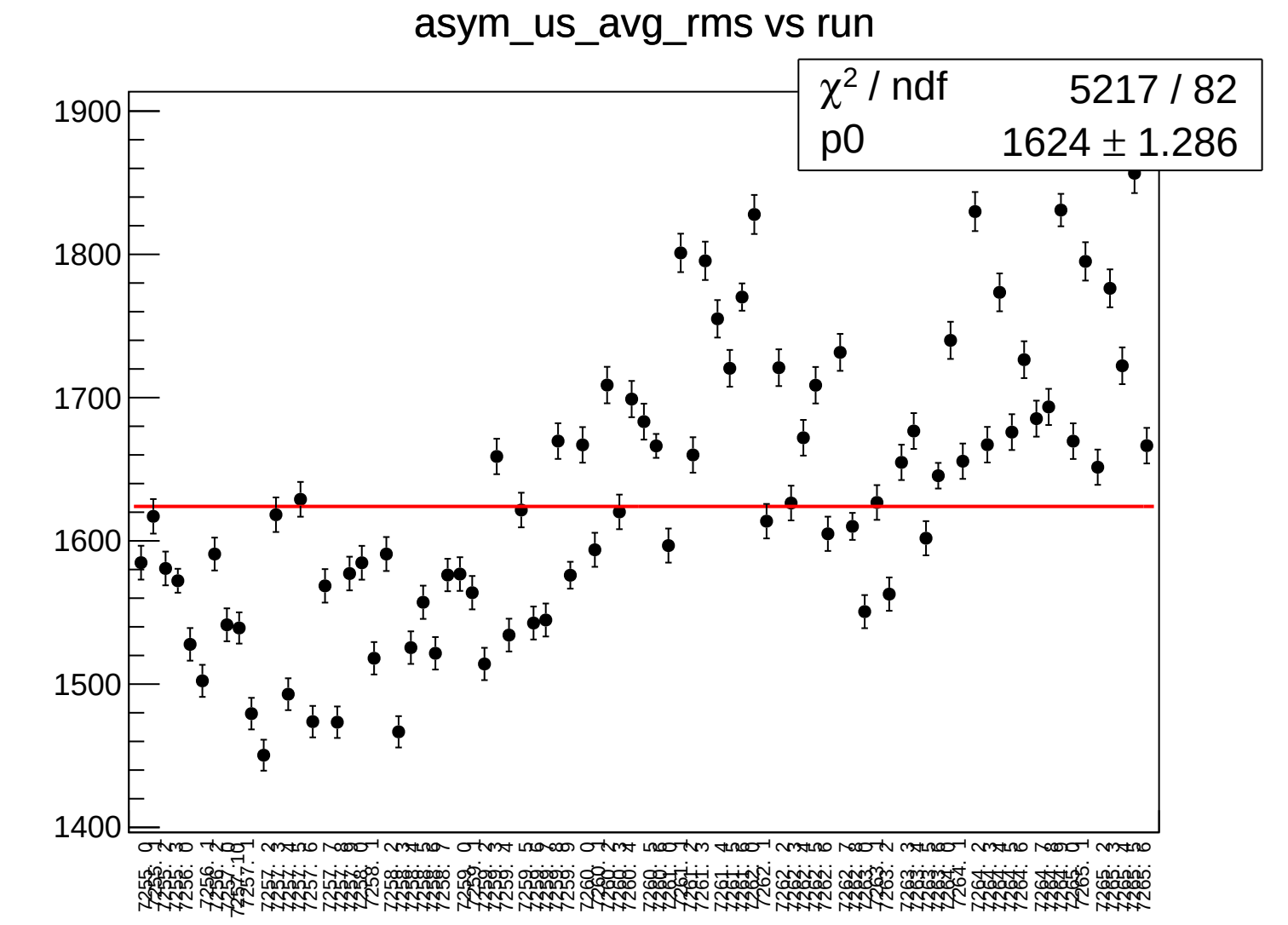

asym_us_avg_correction_mean vs run
χ² / ndf 75.51 / 82
p0 1292 ± 1592
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −205
Std Dev 252.3
2
1
0
−1
−2
−3

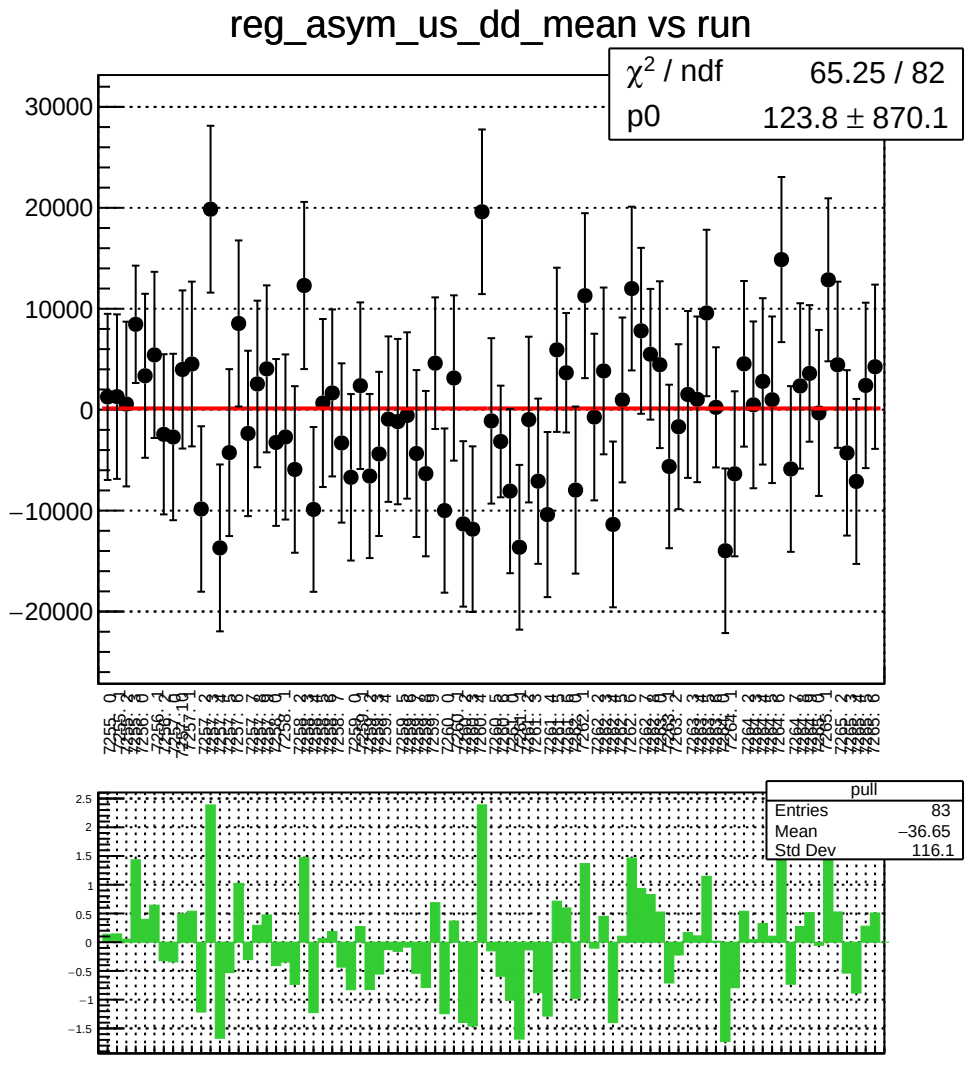

pull1D
Entries 83
Mean 0.01397
Std Dev 0.9537
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

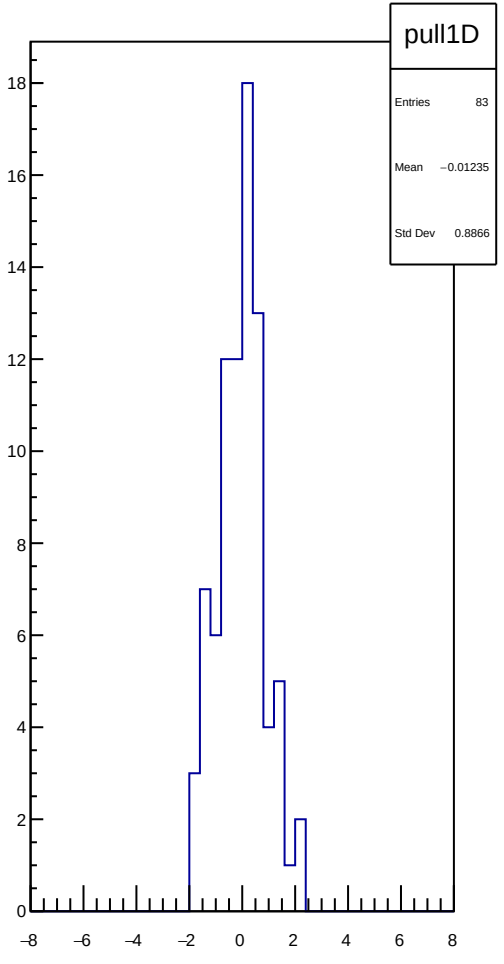

asym_us_avg_correction_rms vs run
χ² / ndf 8808 / 82
p0 1420 ± 1.125
1700
1600
1500
1400
1300
1200

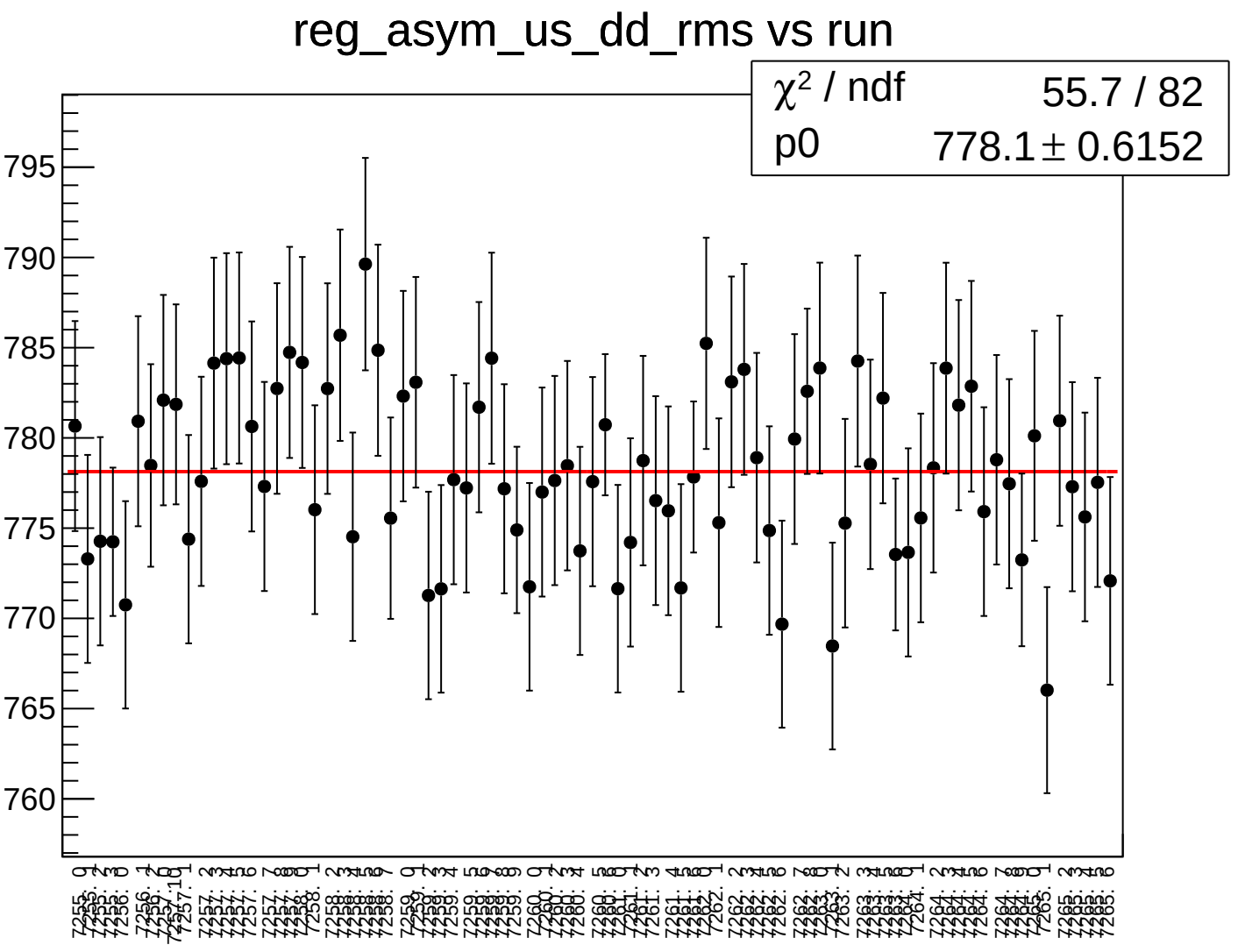

asym_us_avg_mean vs run
χ² / ndf 66.92 / 82
p0 −3766 ± 1819
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −900.7
Std Dev 947.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

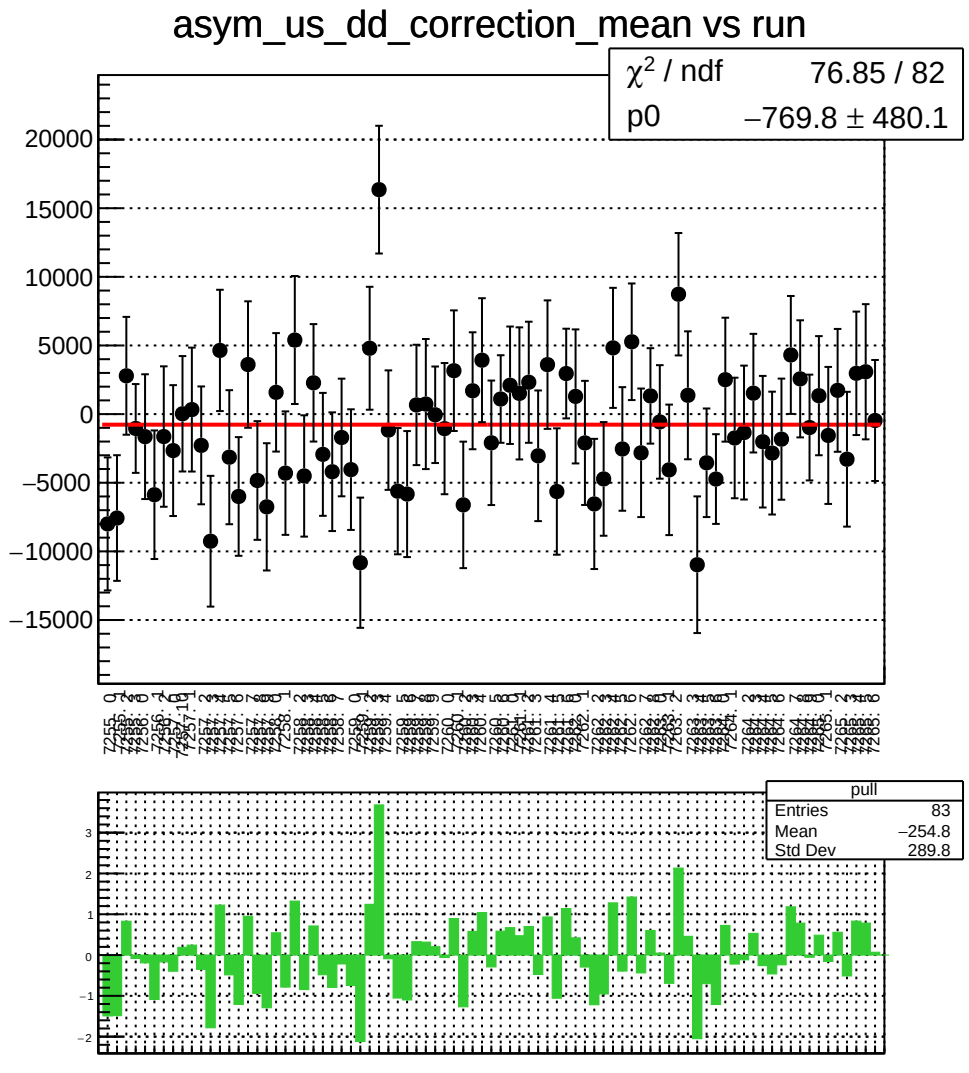

pull1D
Entries 83
Mean −0.003819
Std Dev 0.8979
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

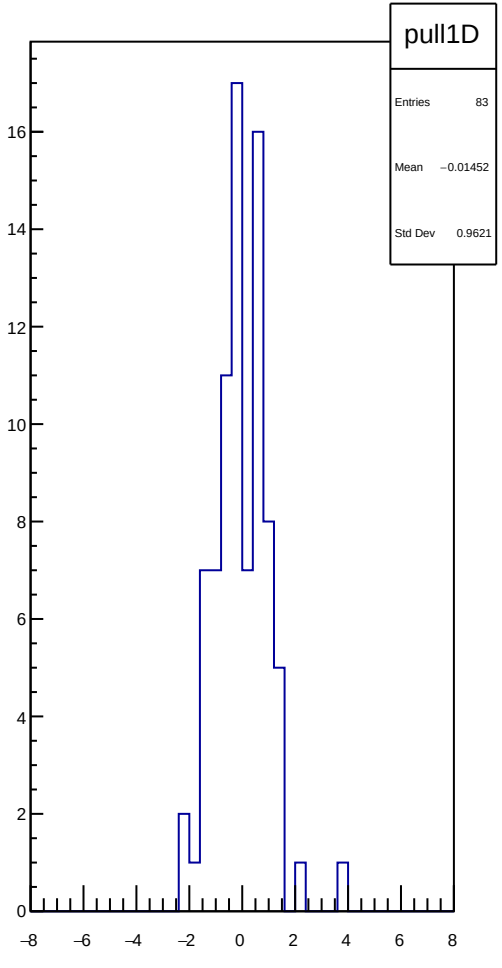

asym_us_avg_rms vs run
χ^2 / ndf 5217 / 82
p0 1624 ± 1.286
1900
1800
1700
1600
1500
1400

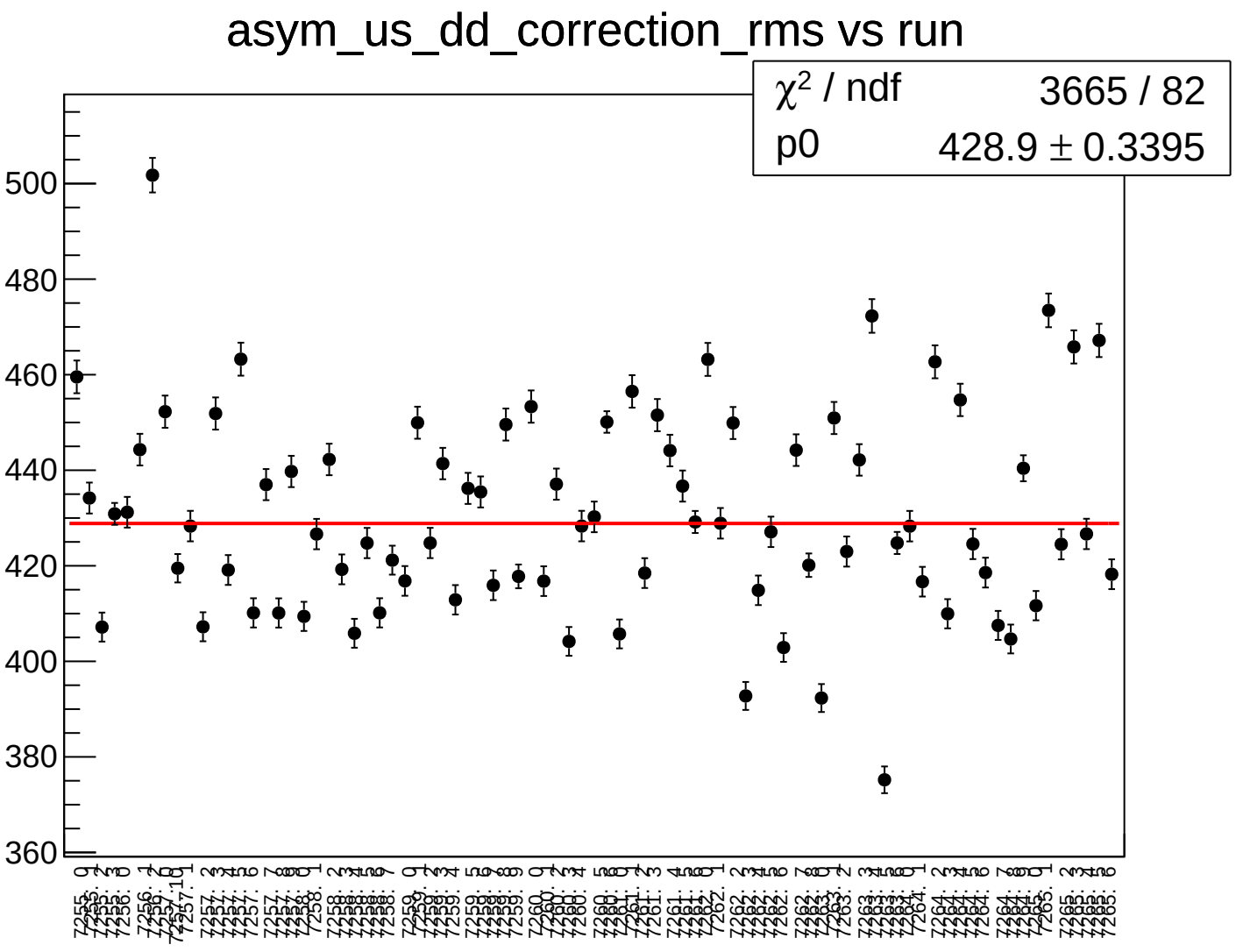

reg_asym_us_dd_mean vs run
χ² / ndf 65.25 / 82
p0 123.8 ± 870.1
pull
Entries 83
Mean −36.65
Std Dev 116.1

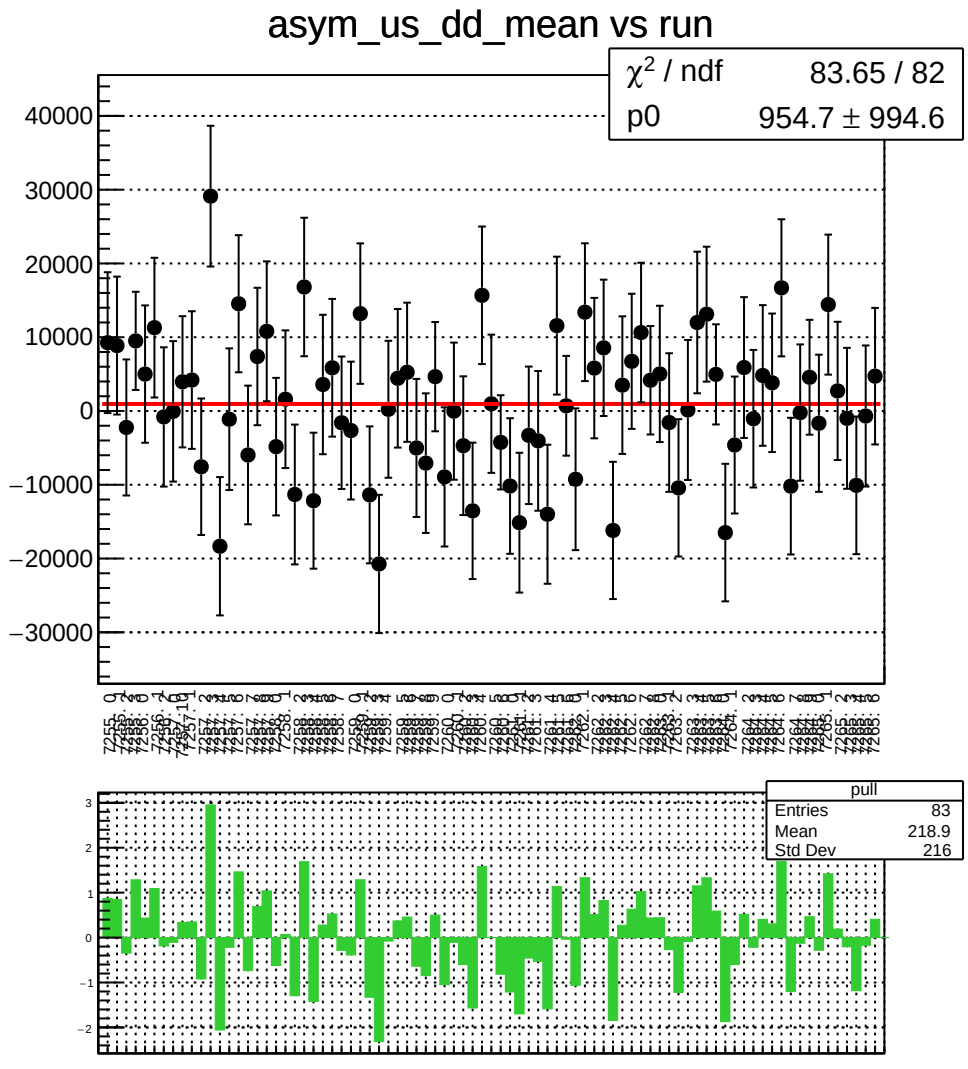

pull1D
Entries 83
Mean −0.01235
Std Dev 0.8866

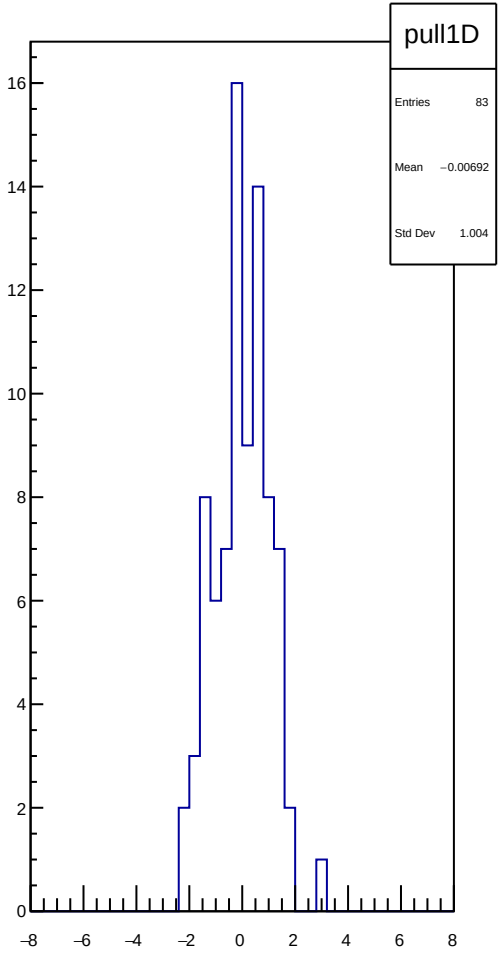

reg_asym_us_dd_rms vs run
χ² / ndf 55.7 / 82
p0 778.1 ± 0.6152
795
790
785
780
775
770
765
760

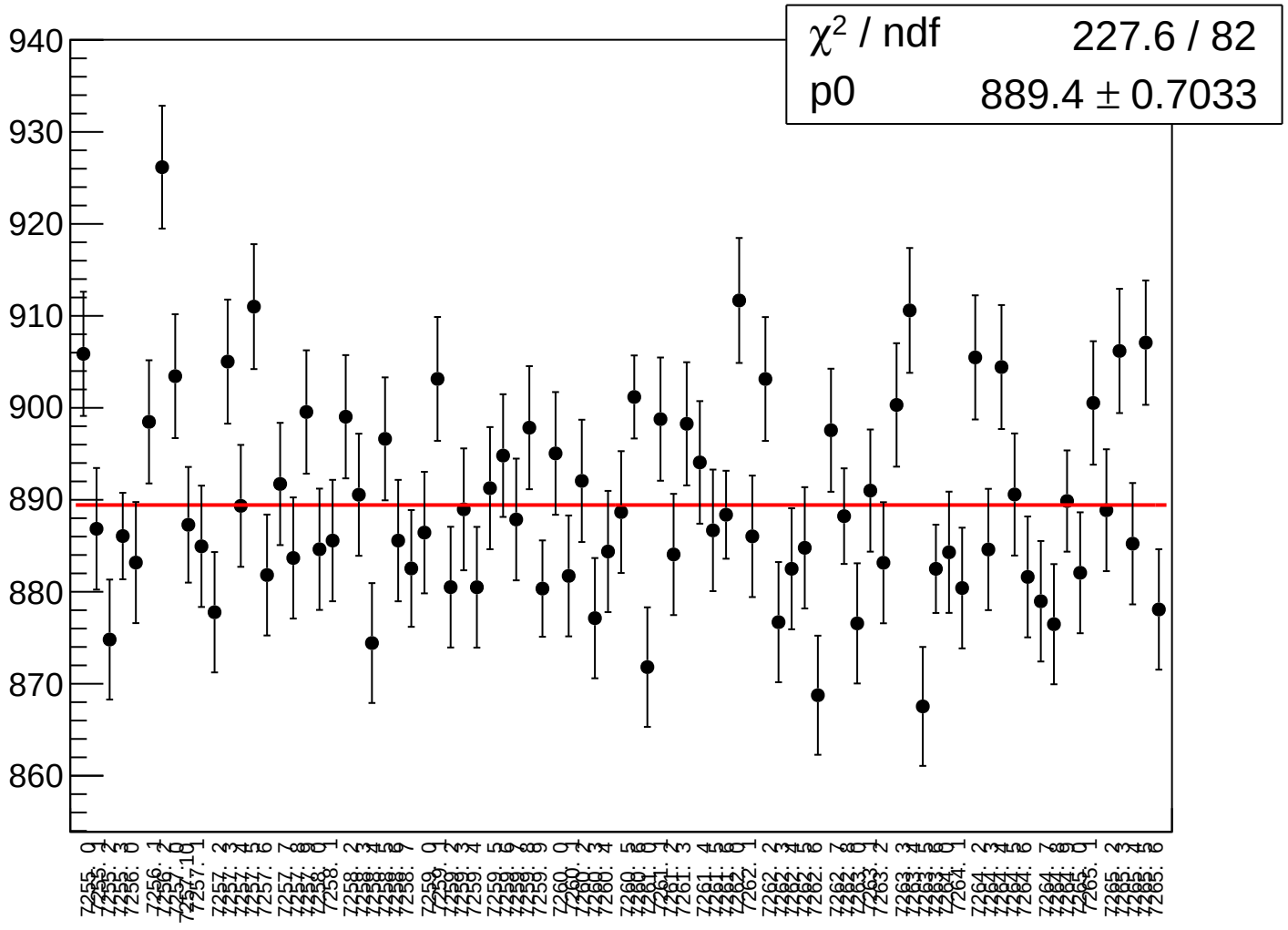

asym_us_dd_correction_mean vs run
χ² / ndf 76.85 / 82
p0 −769.8 ± 480.1
pull
Entries 83
Mean −254.8
Std Dev 289.8

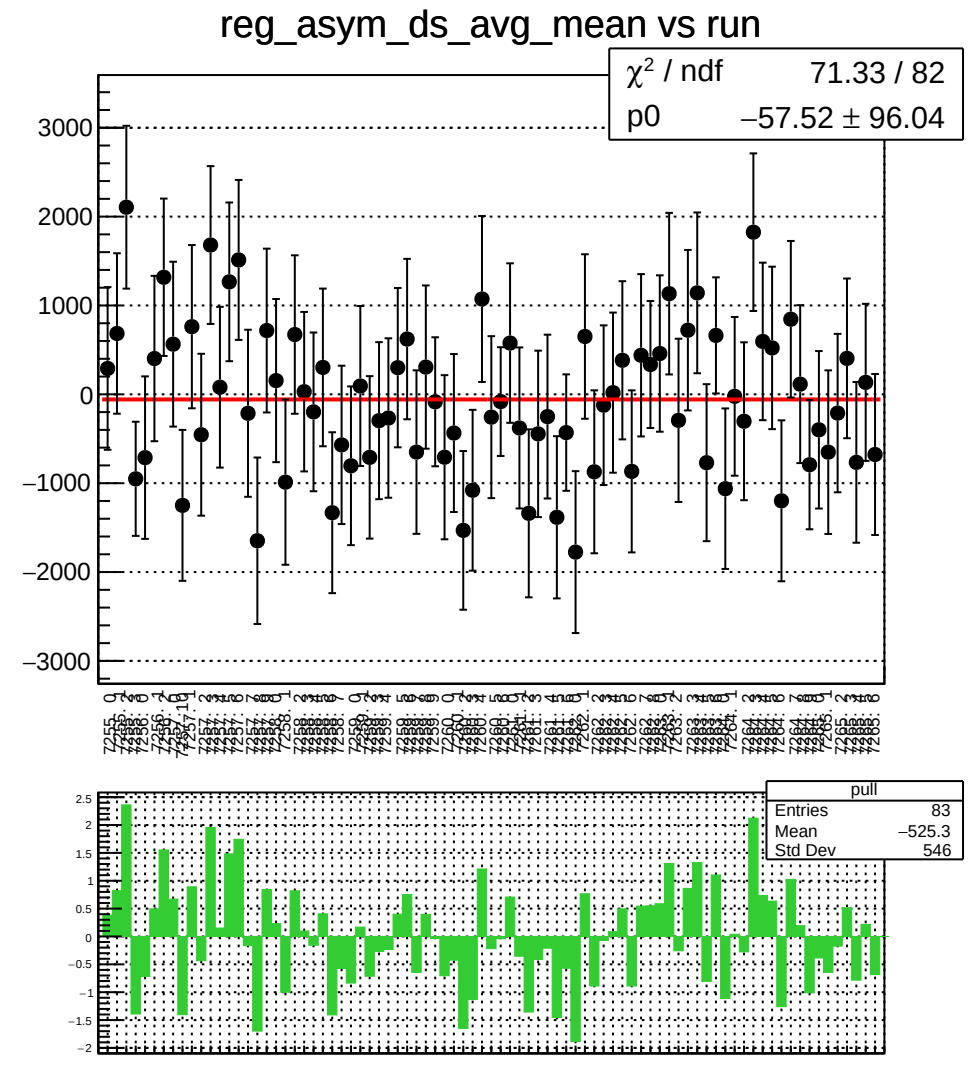

pull1D
Entries 83
Mean −0.01452
Std Dev 0.9621

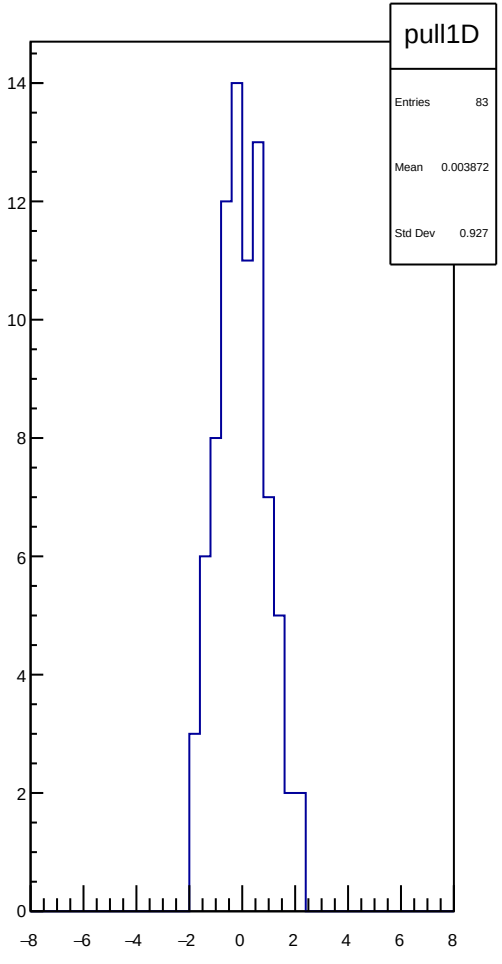

asym_us_dd_correction_rms vs run
χ² / ndf 3665 / 82
p0 428.9 ± 0.3395
500
480
460
440
420
400
380
360

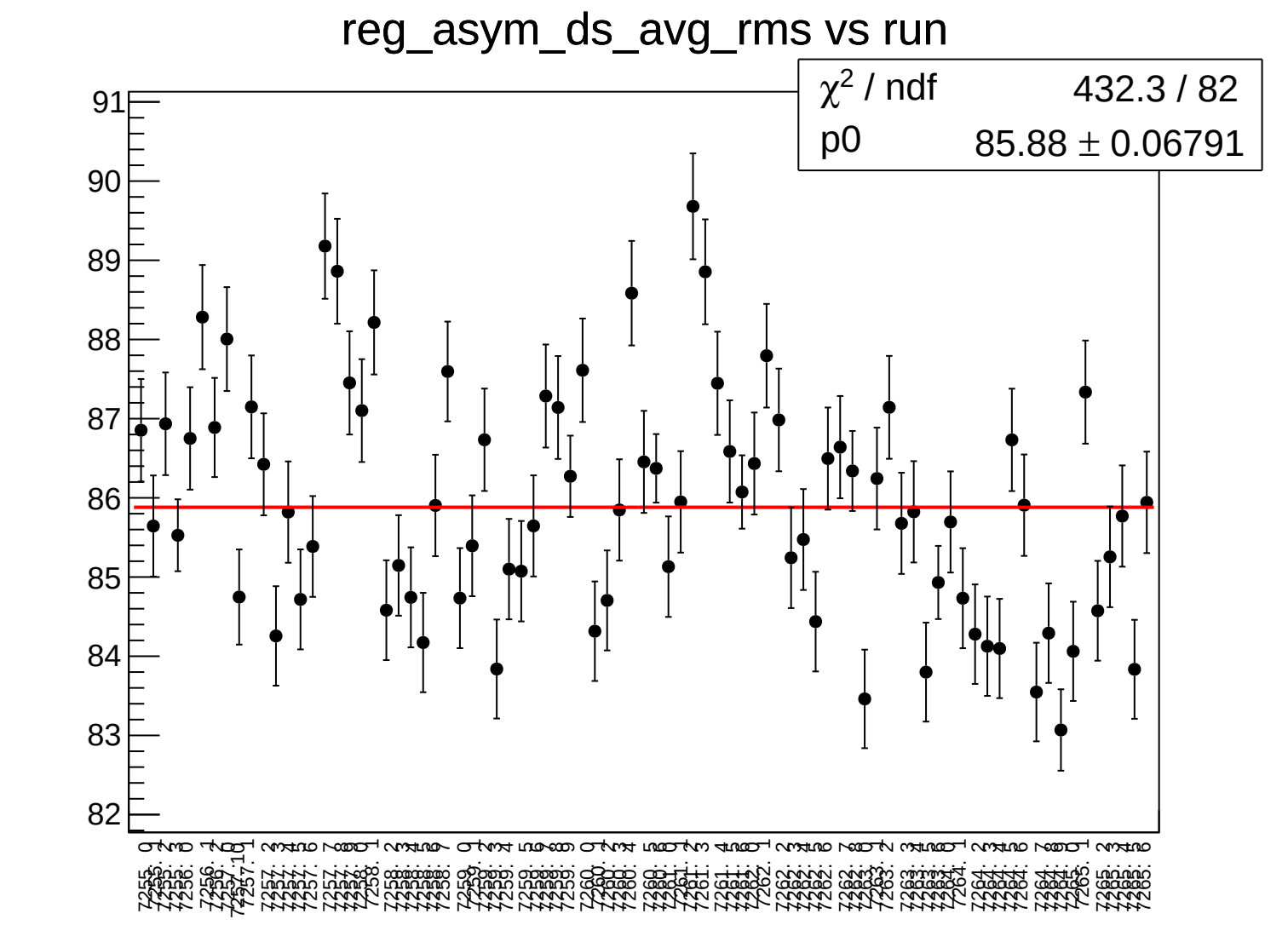

asym_us_dd_mean vs run
χ^2 / ndf 83.65 / 82
p0 954.7 ± 994.6
pull
Entries 83
Mean 218.9
Std Dev 216

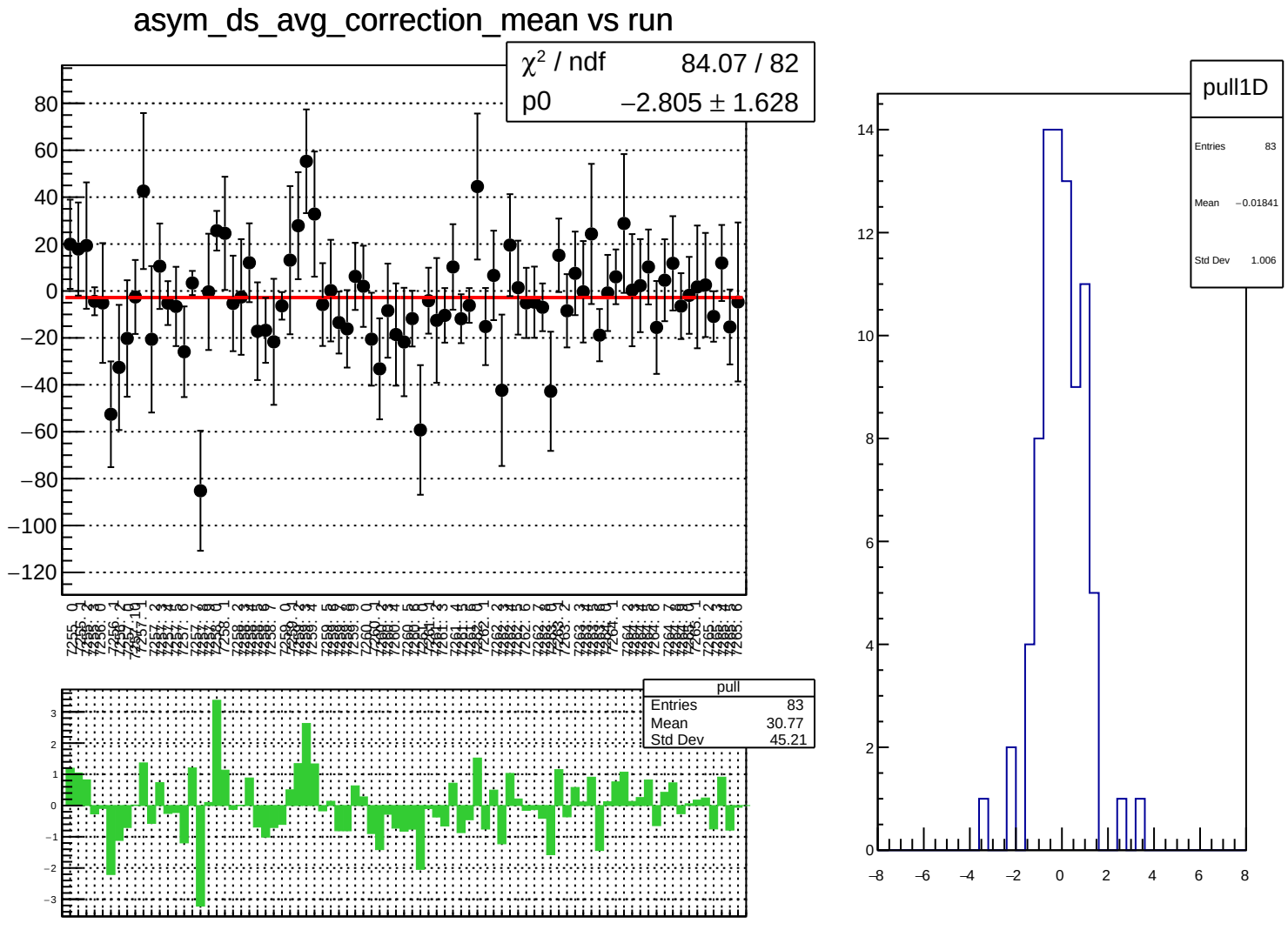

pull1D
Entries 83
Mean −0.00692
Std Dev 1.004


asym_us_dd_rms vs run
χ² / ndf 227.6 / 82
p0 889.4 ± 0.7033
940
930
920
910
900
890
880
870
860

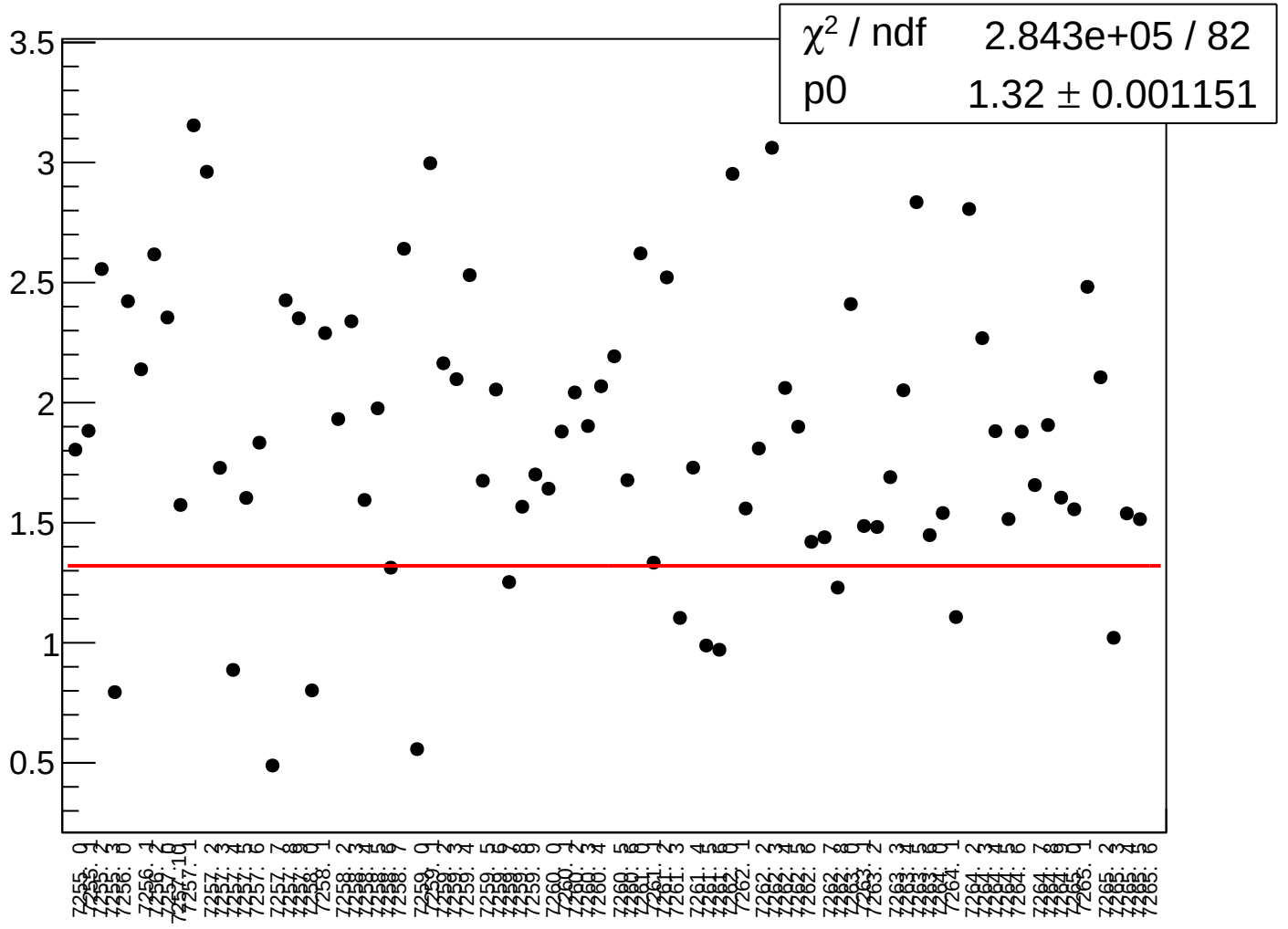

reg_asym_ds_avg_mean vs run
χ² / ndf 71.33 / 82
p0 −57.52 ± 96.04
pull
Entries 83
Mean −525.3
Std Dev 546

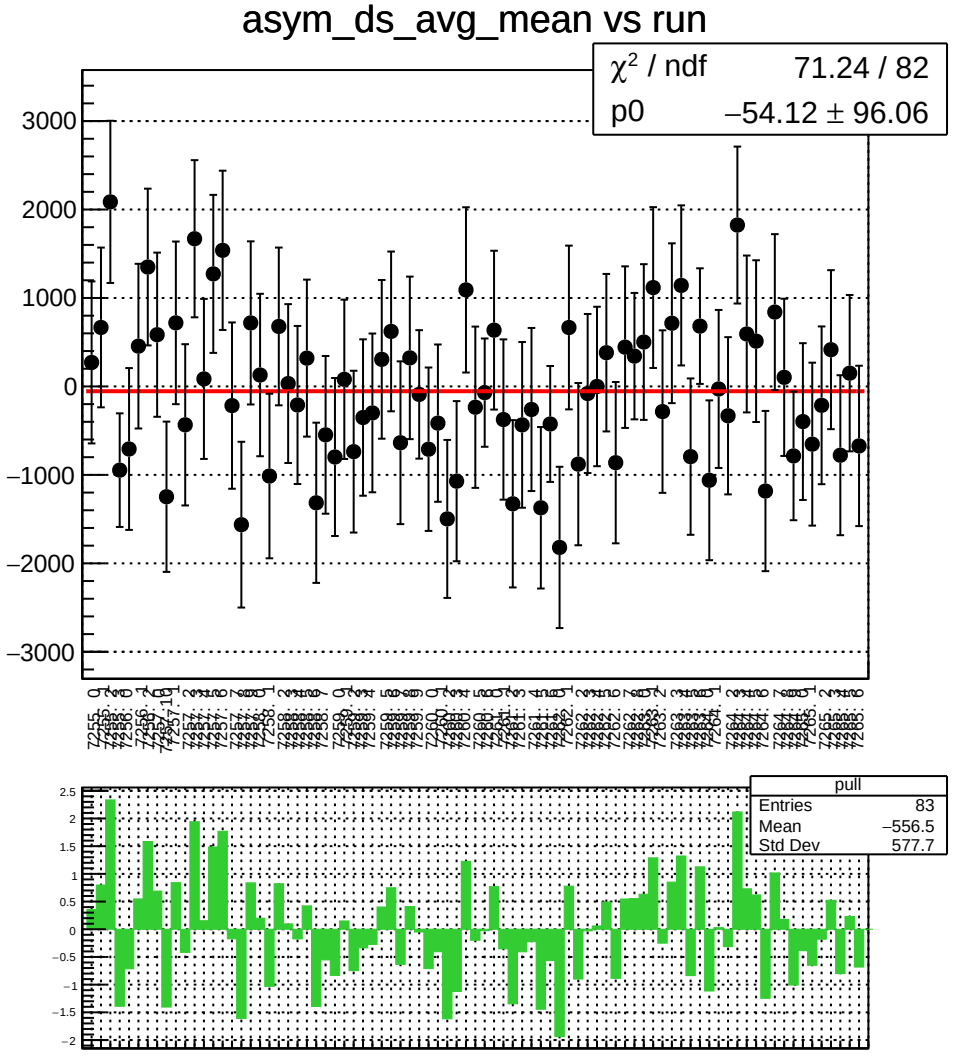

pull1D
Entries 83
Mean 0.003872
Std Dev 0.927

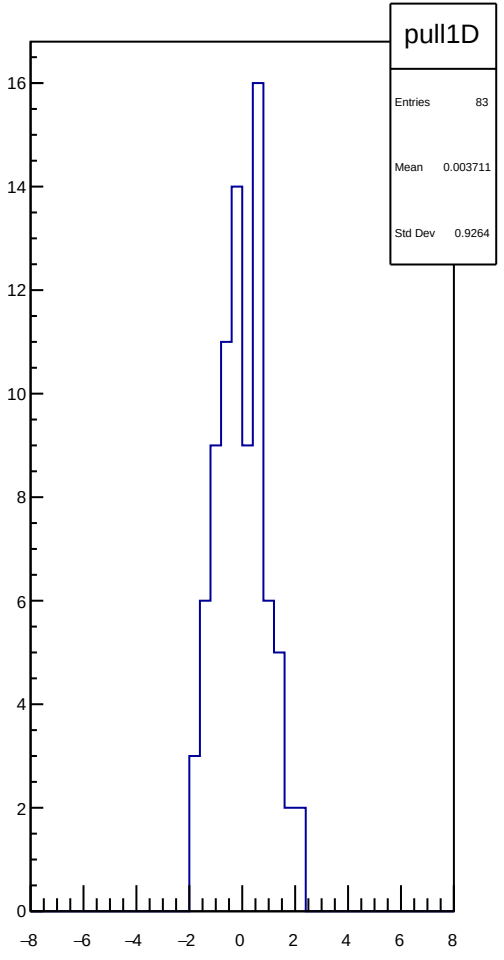

reg_asym_ds_avg_rms vs run
χ^2 / ndf 432.3 / 82
p0 85.88 ± 0.06791
91
90
89
88
87
86
85
84
83
82

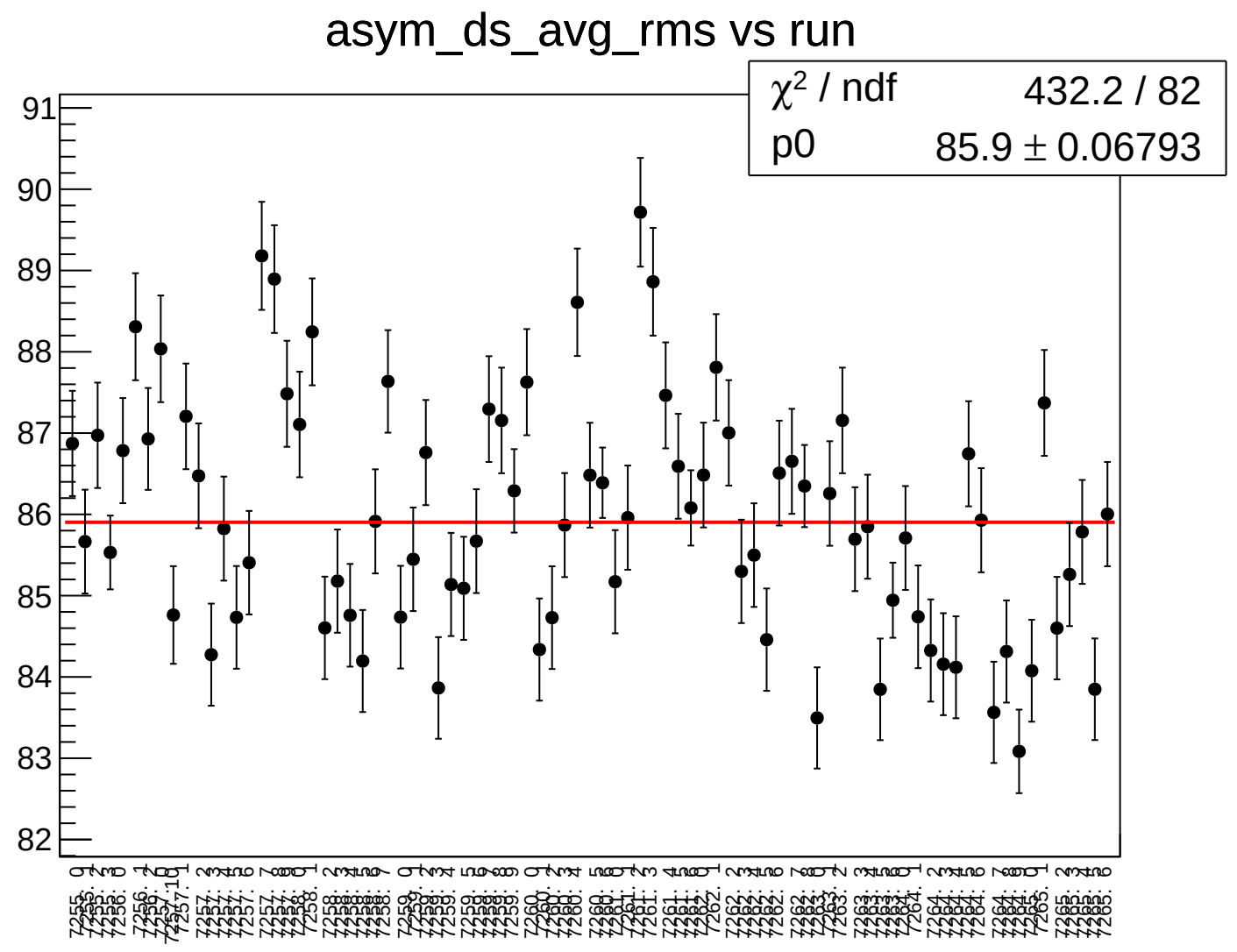

asym_ds_avg_correction_mean vs run
χ² / ndf 84.07 / 82
p0 −2.805 ± 1.628
pull
Entries 83
Mean 30.77
Std Dev 45.21
pull1D
Entries 83
Mean −0.01841
Std Dev 1.006

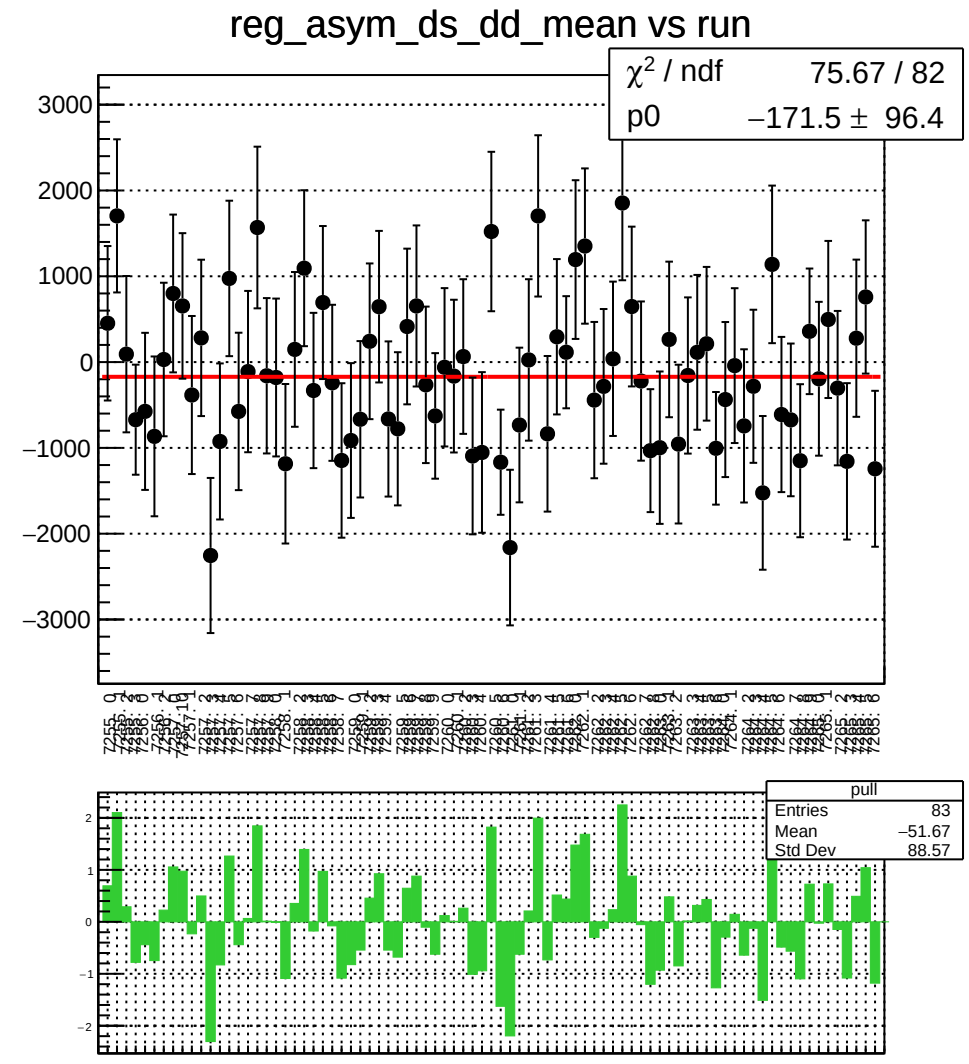
asym_ds_avg_correction_rms vs run

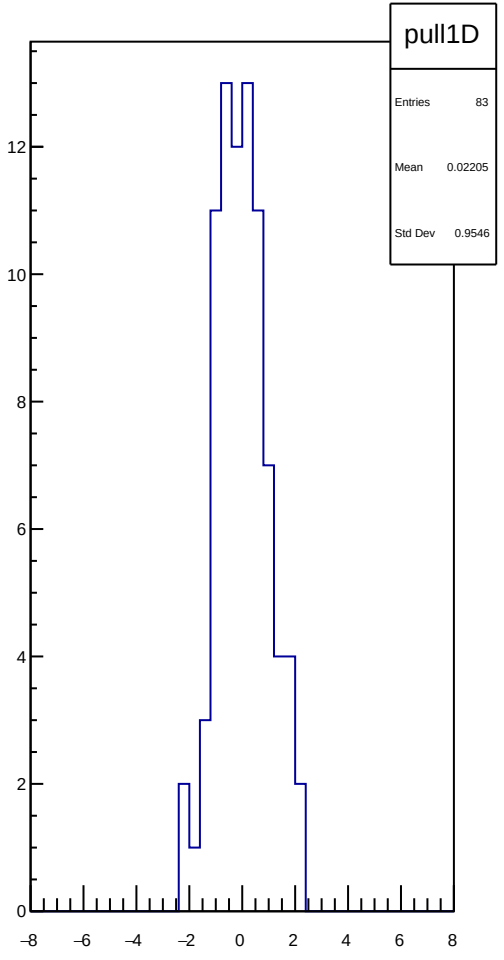


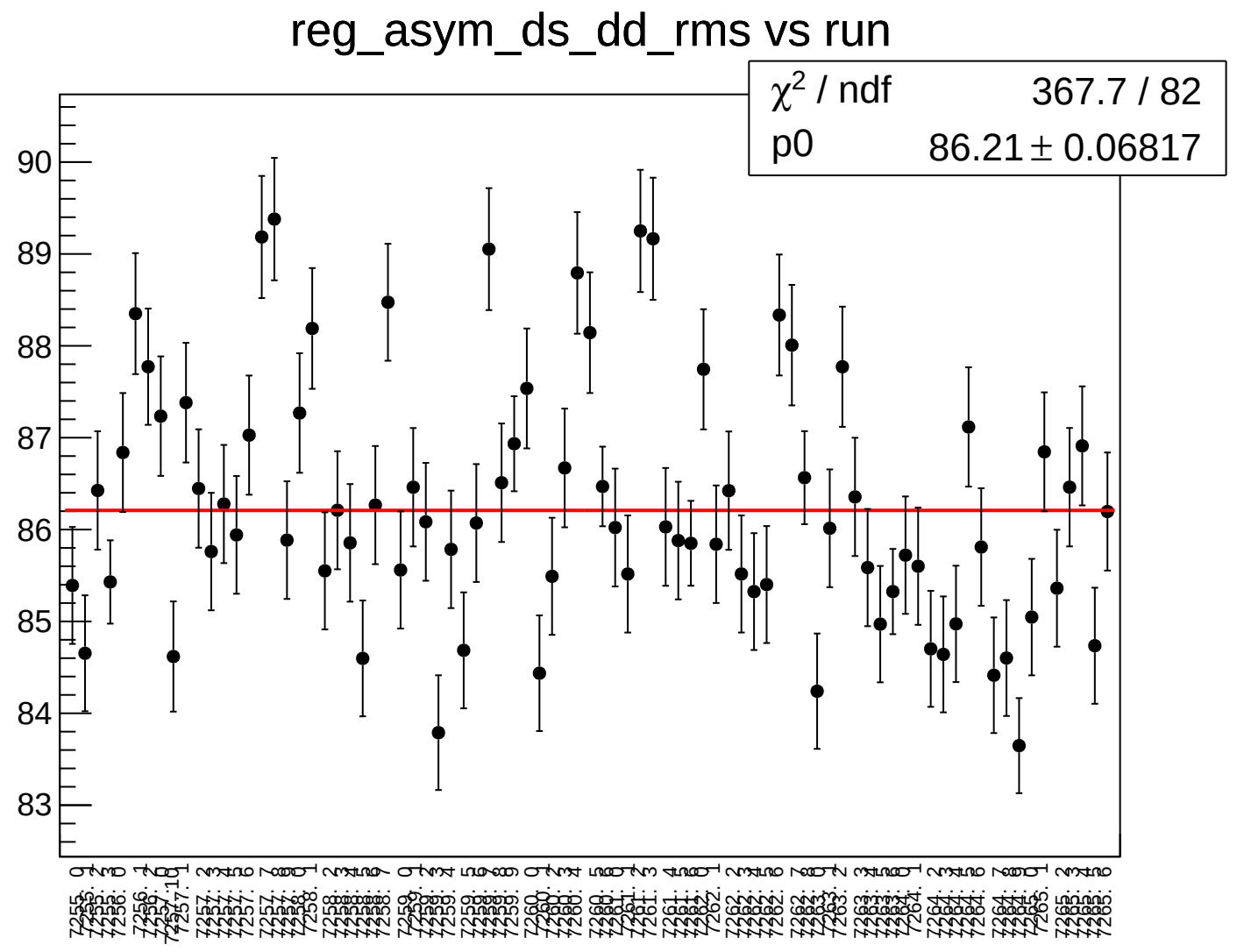

asym_ds_avg_mean vs run
χ² / ndf 71.24 / 82
p0 −54.12 ± 96.06
pull
Entries 83
Mean −556.5
Std Dev 577.7

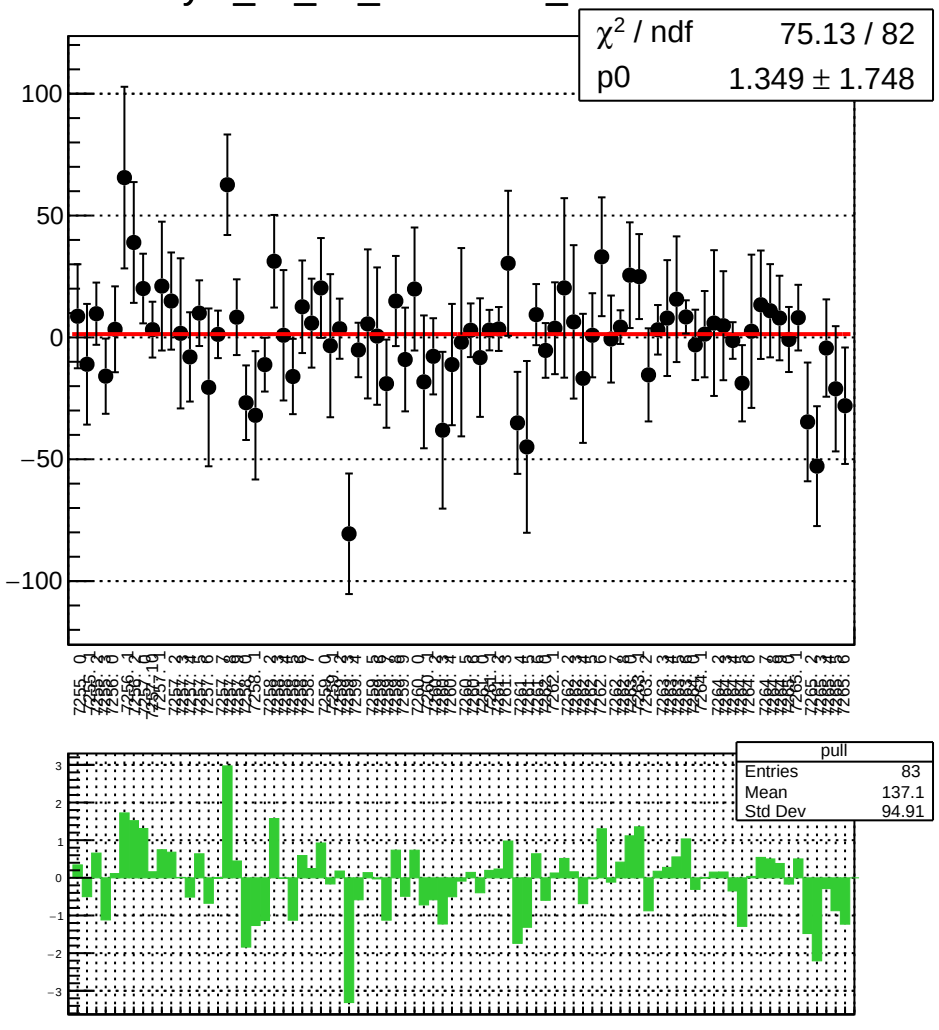

pull1D
Entries 83
Mean 0.003711
Std Dev 0.9264

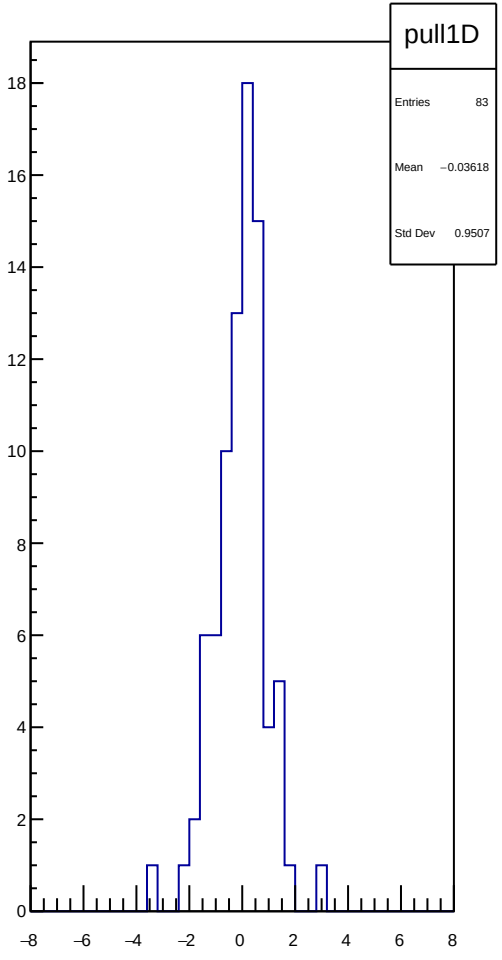

asym_ds_avg_rms vs run
χ^2 / ndf 432.2 / 82
p0 85.9 ± 0.06793
91
90
89
88
87
86
85
84
83
82

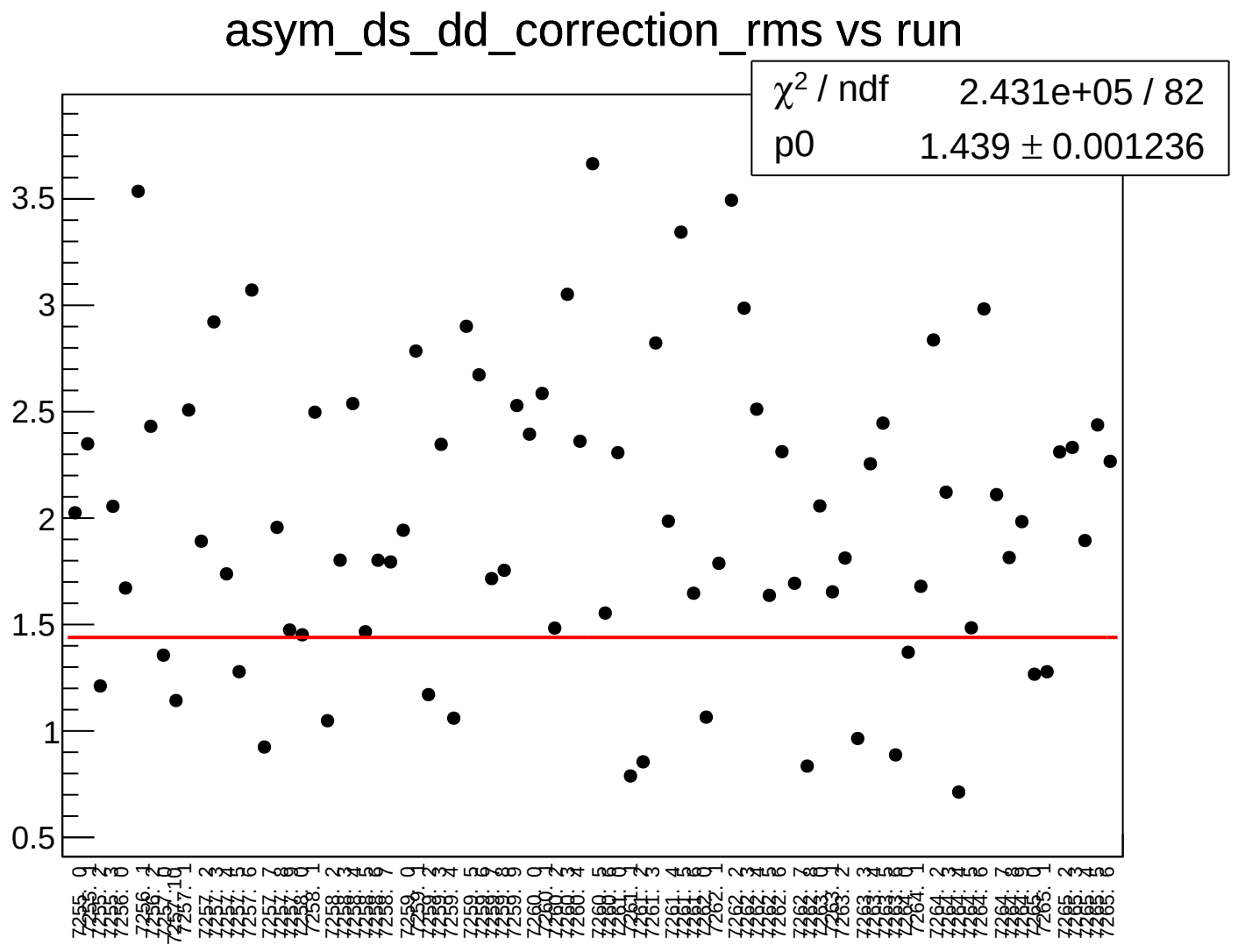

reg_asym_ds_dd_mean vs run
χ² / ndf 75.67 / 82
p0 −171.5 ± 96.4
pull
Entries 83
Mean −51.67
Std Dev 88.57

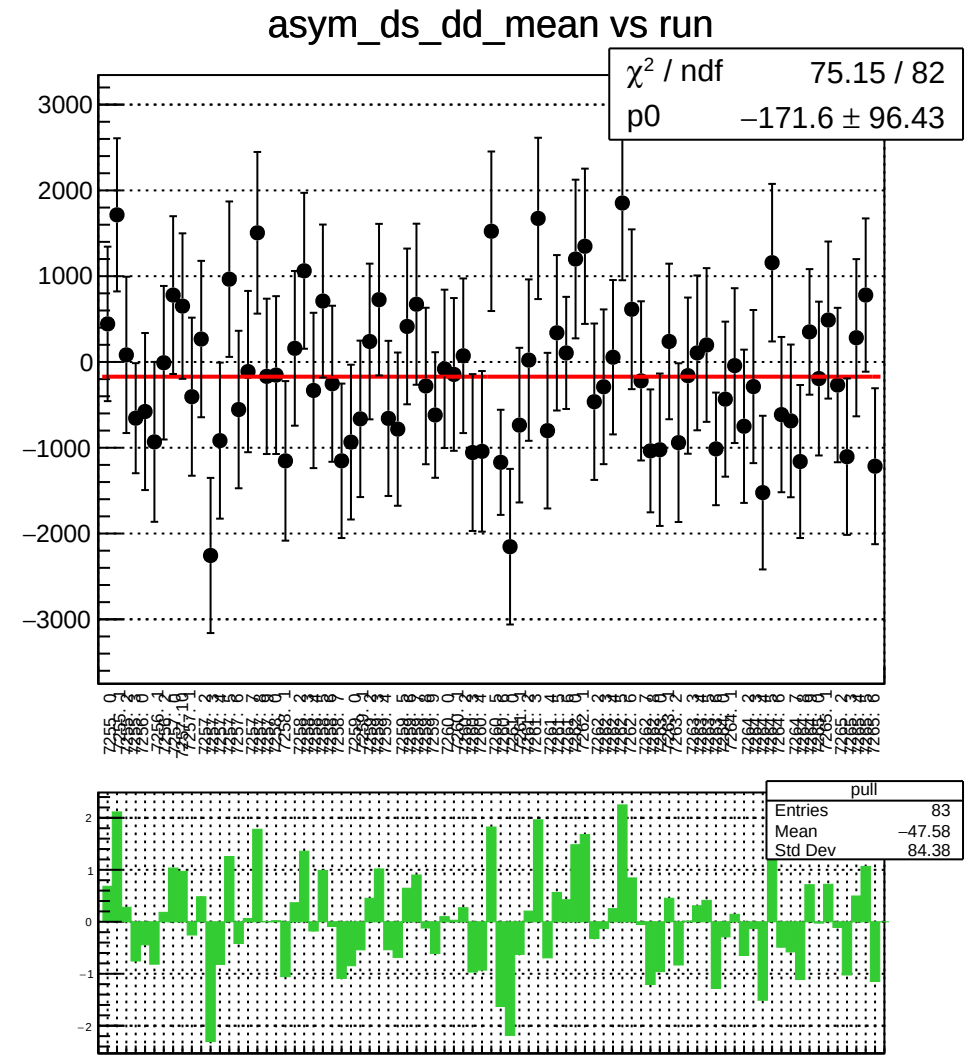

pull1D
Entries 83
Mean 0.02205
Std Dev 0.9546

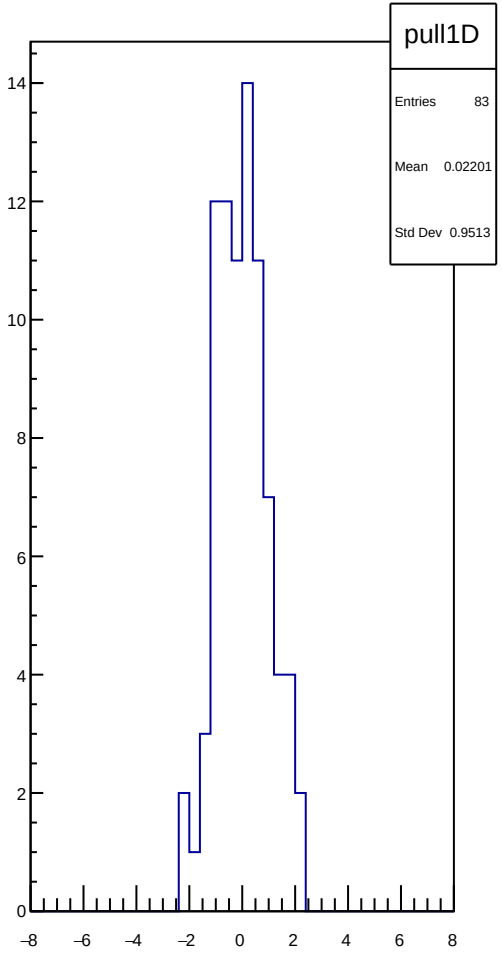

reg_asym_ds_dd_rms vs run
χ^2 / ndf 367.7 / 82
p0 86.21 ± 0.06817
90
89
88
87
86
85
84
83

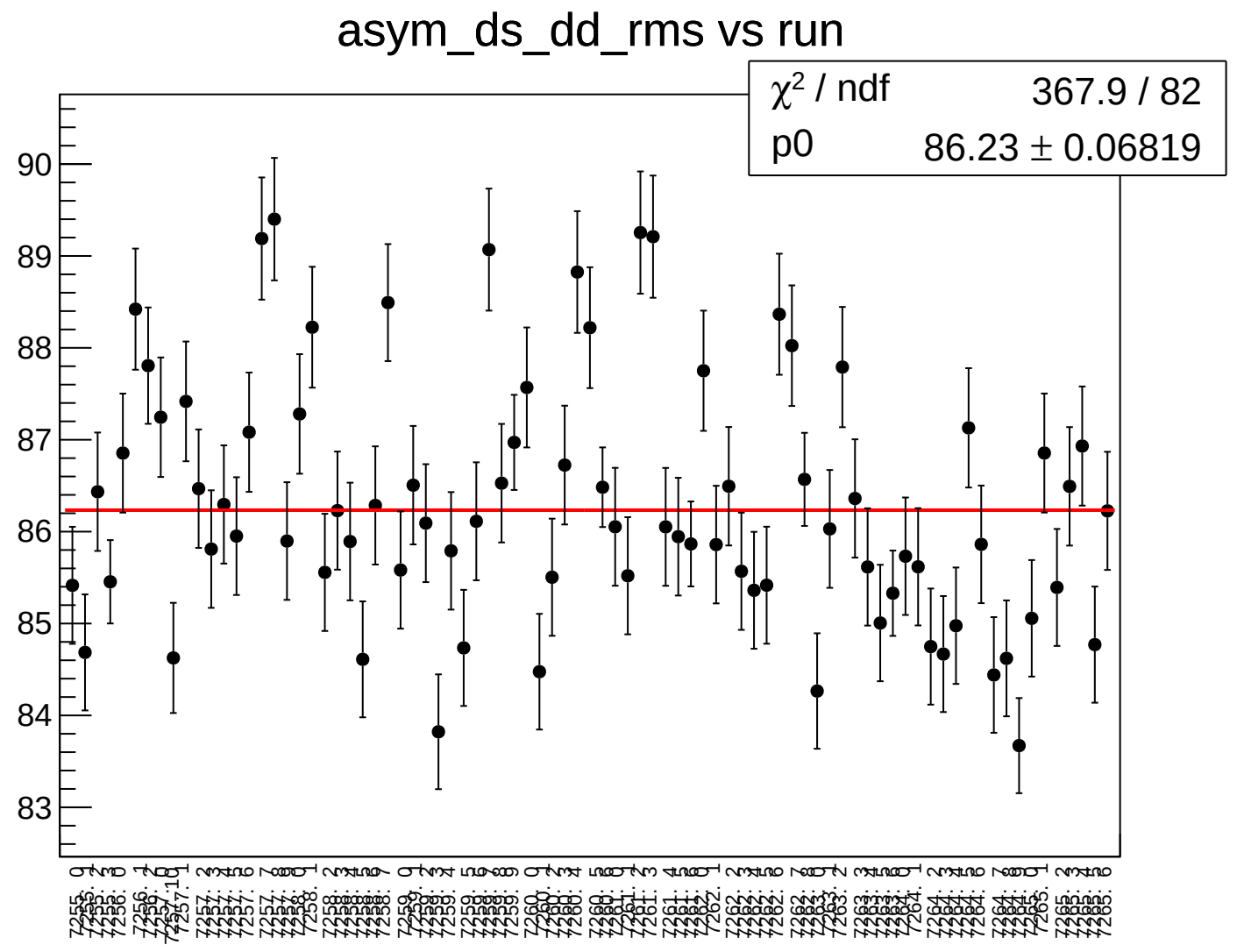

asym_ds_dd_correction_mean vs run
χ² / ndf 75.13 / 82
p0 1.349 ± 1.748
pull
Entries 83
Mean 137.1
Std Dev 94.91

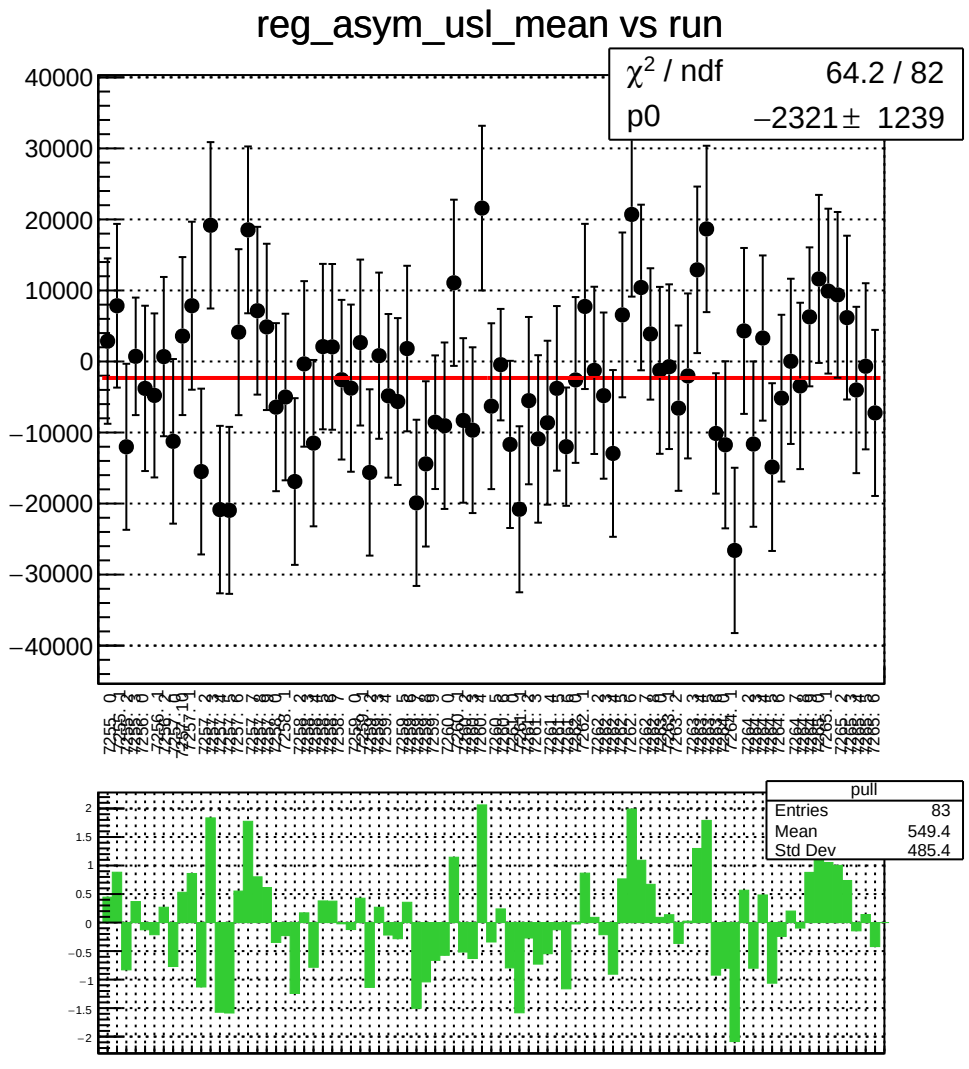

pull1D
Entries 83
Mean −0.03618
Std Dev 0.9507

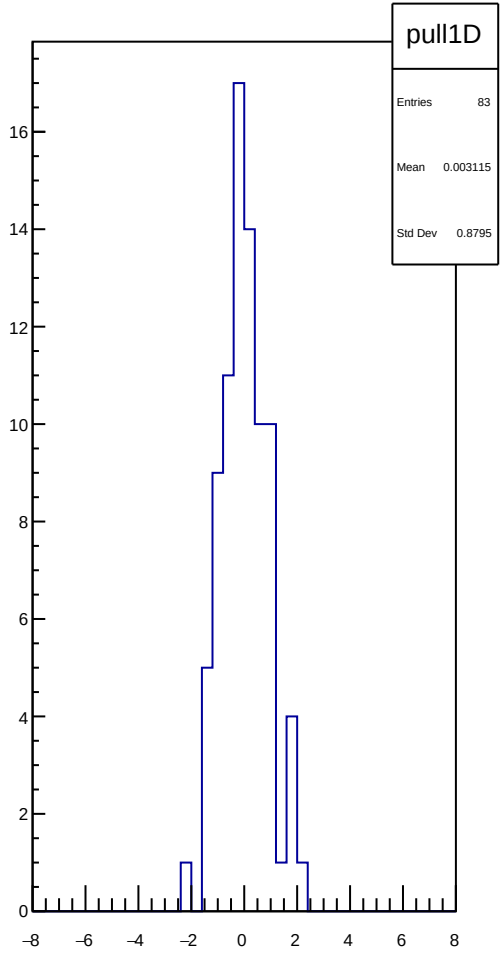

asym_ds_dd_correction_rms vs run
χ² / ndf 2.431e+05 / 82
p0 1.439 ± 0.001236
3.5
3
2.5
2
1.5
1
0.5

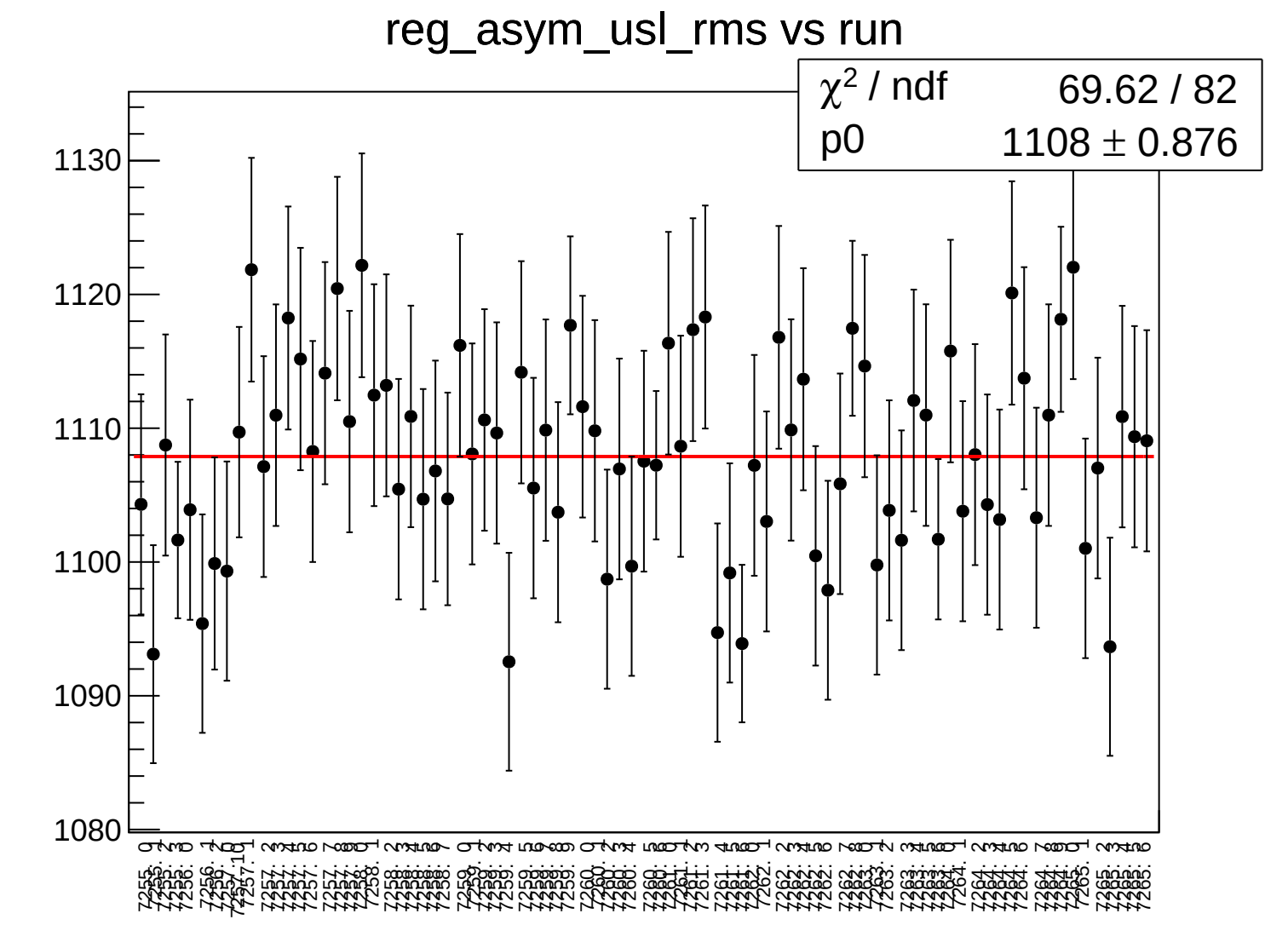

asym_ds_dd_mean vs run
χ² / ndf 75.15 / 82
p0 −171.6 ± 96.43
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean −47.58
Std Dev 84.38
2
1
0
−1
−2

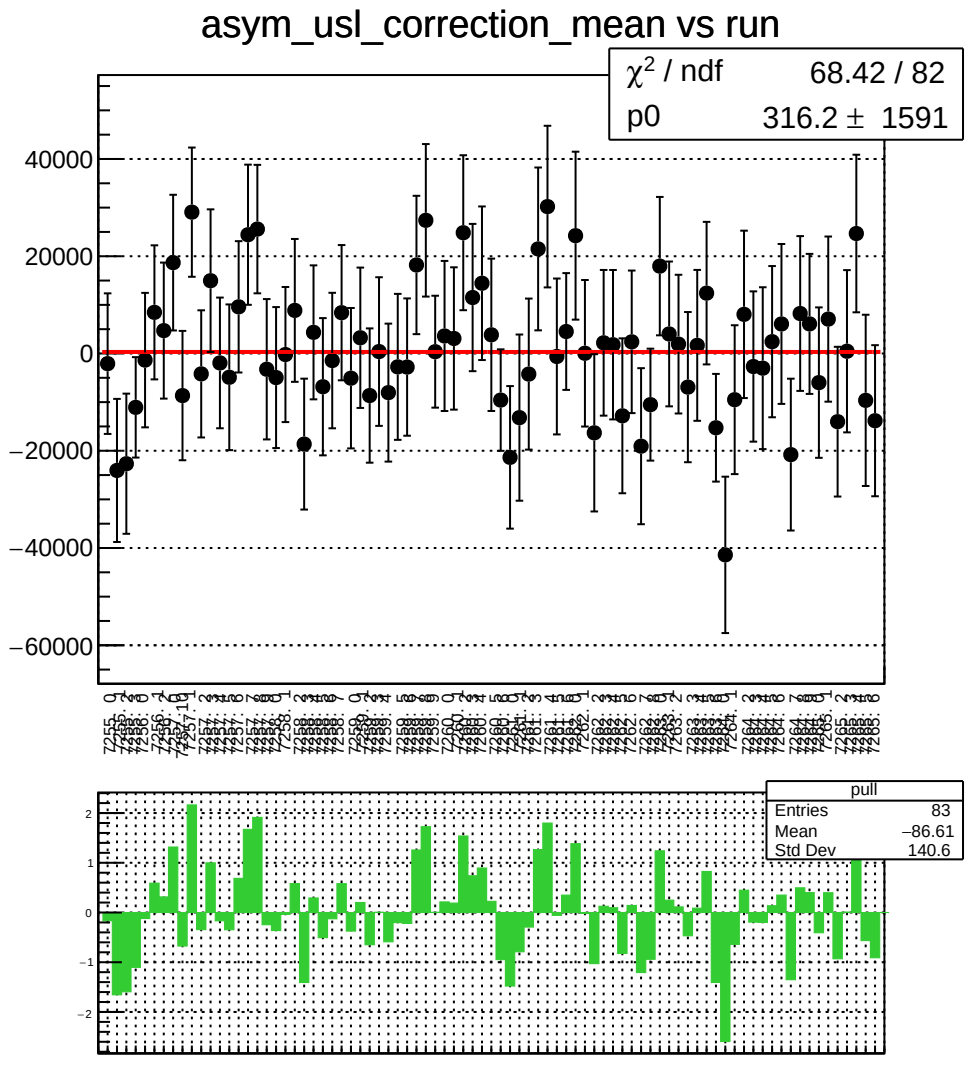

pull1D
Entries 83
Mean 0.02201
Std Dev 0.9513
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

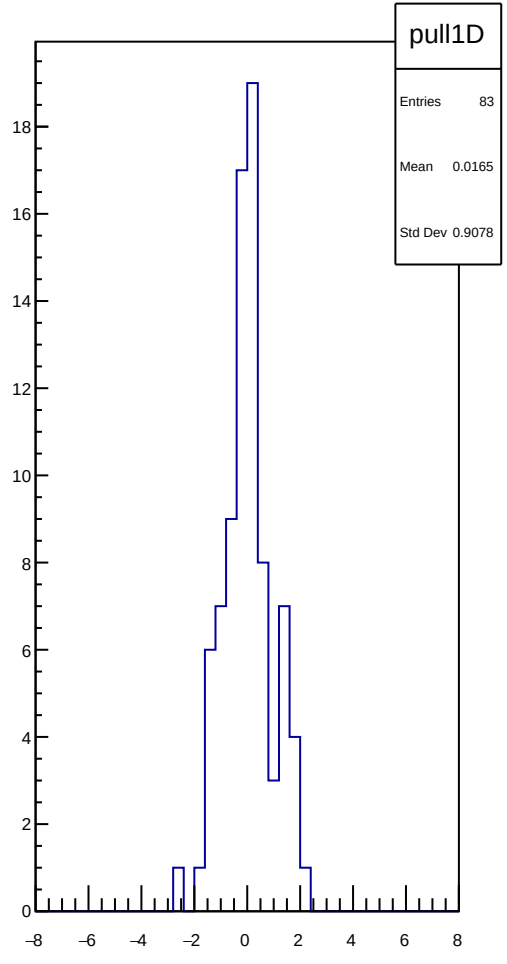

asym_ds_dd_rms vs run
χ^2 / ndf 367.9 / 82
p0 86.23 ± 0.06819
90
89
88
87
86
85
84
83

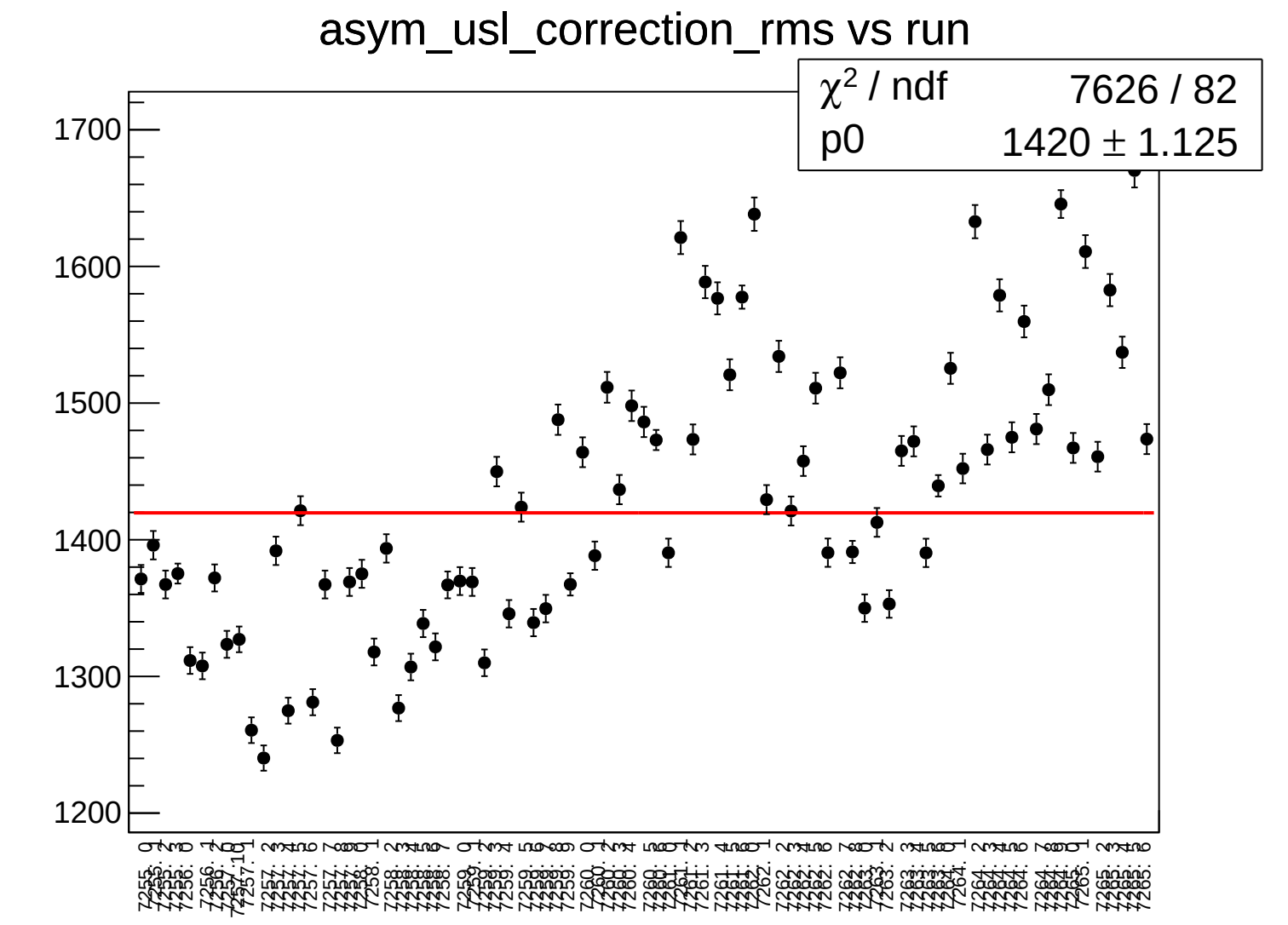

reg_asym_usl_mean vs run
χ² / ndf 64.2 / 82
p0 −2321 ± 1239
pull
Entries 83
Mean 549.4
Std Dev 485.4

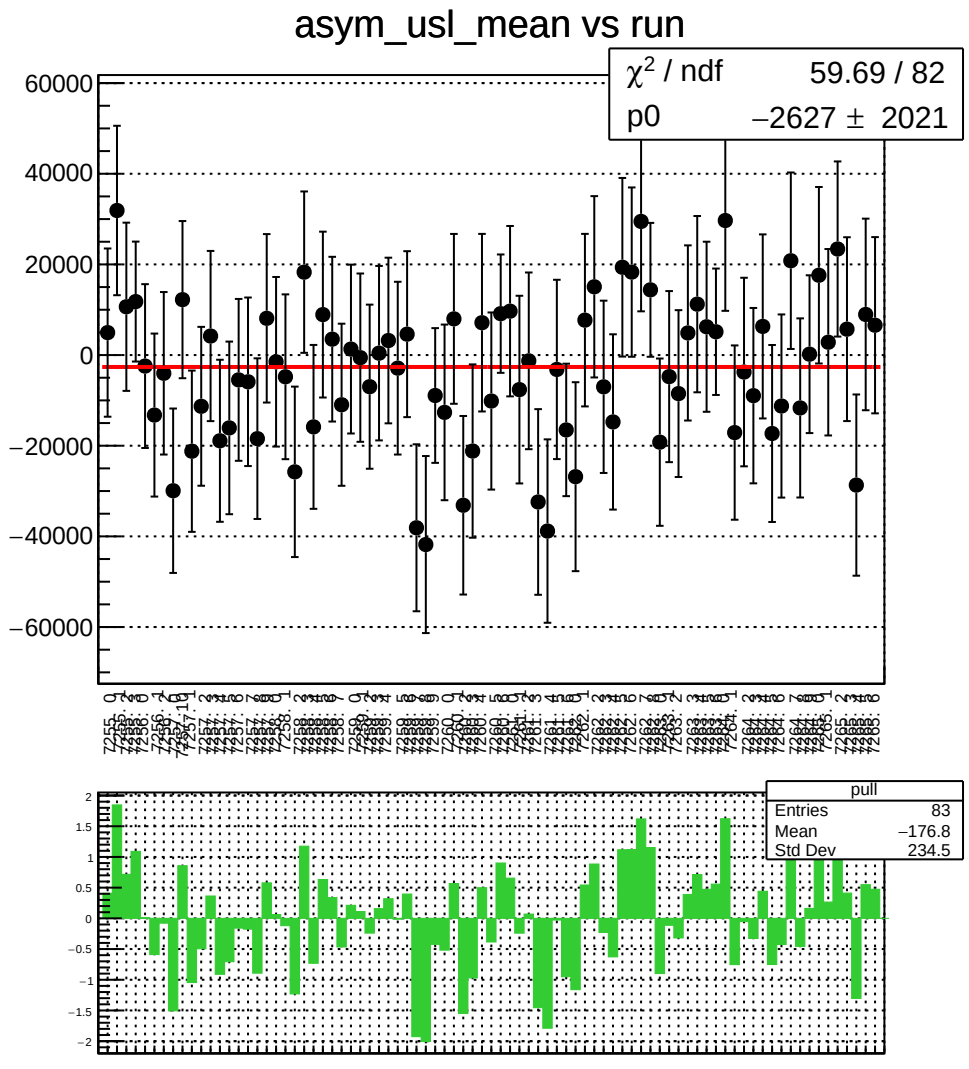

pull1D
Entries 83
Mean 0.003115
Std Dev 0.8795

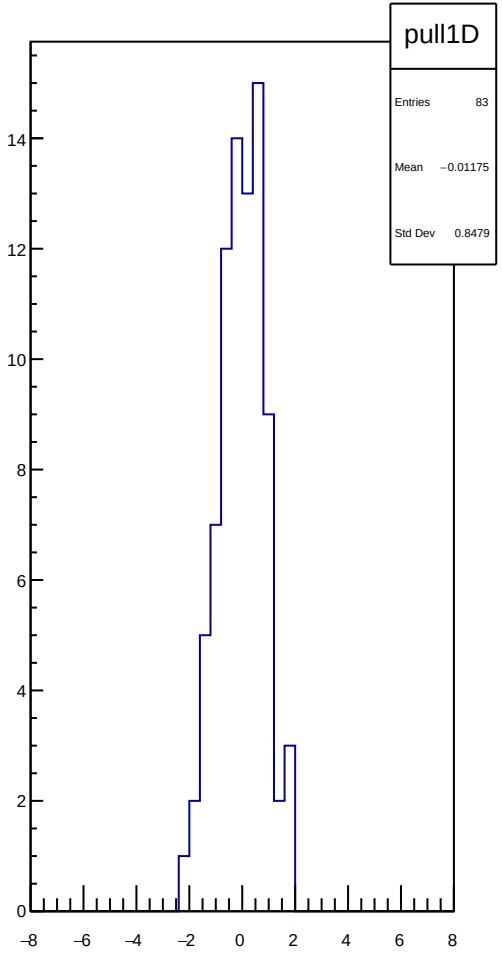

reg_asym_usl_rms vs run
χ² / ndf 69.62 / 82
p0 1108 ± 0.876
1130
1120
1110
1100
1090
1080

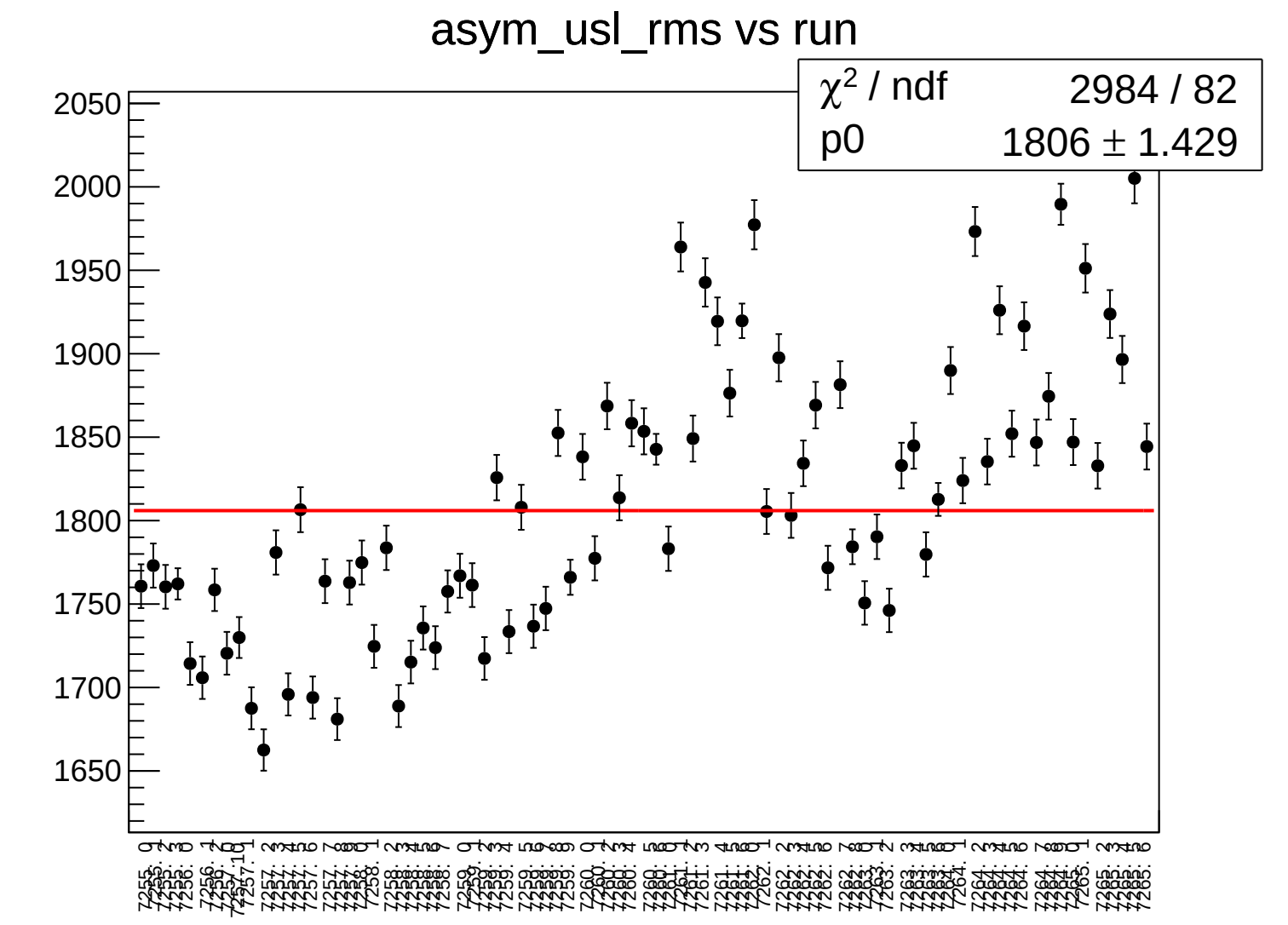

asym_usl_correction_mean vs run
χ² / ndf 68.42 / 82
p0 316.2 ± 1591
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −86.61
Std Dev 140.6
2
1
0
−1
−2

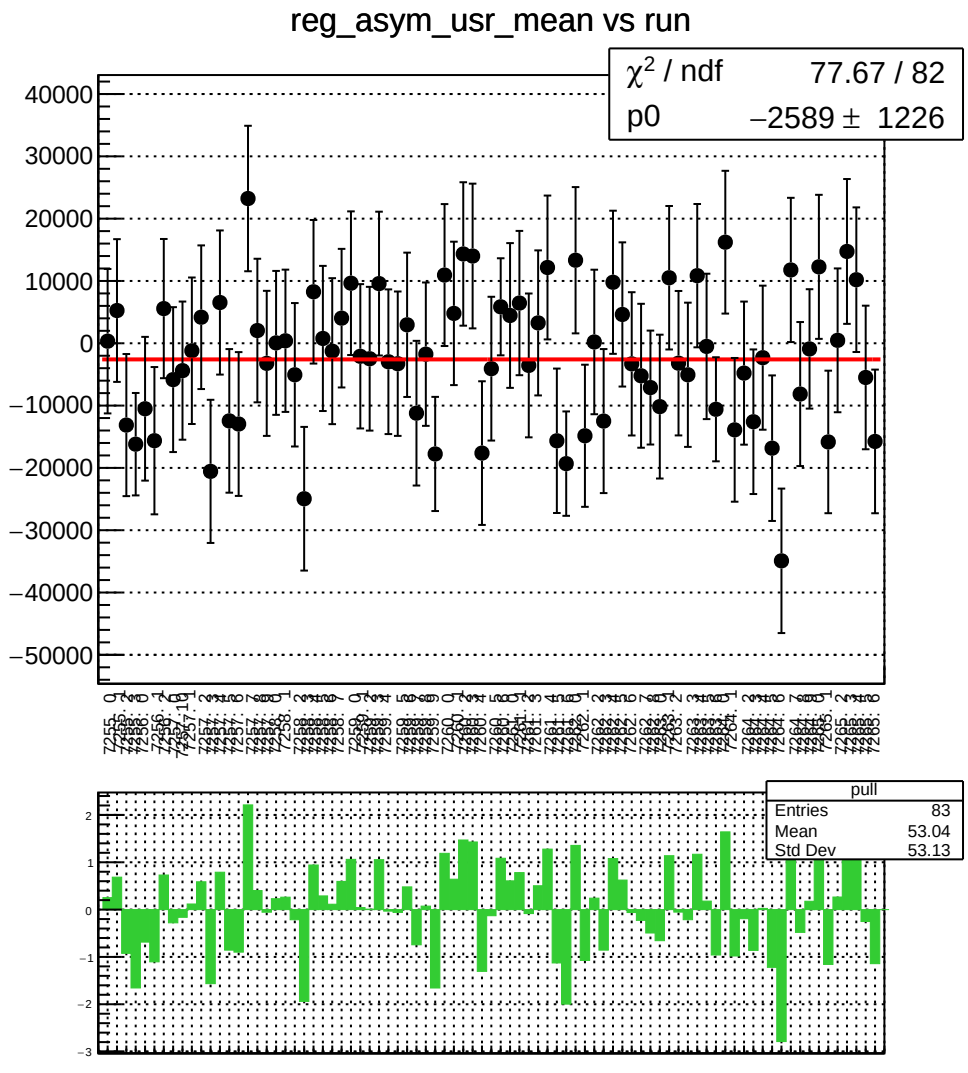

pull1D
Entries 83
Mean 0.0165
Std Dev 0.9078
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

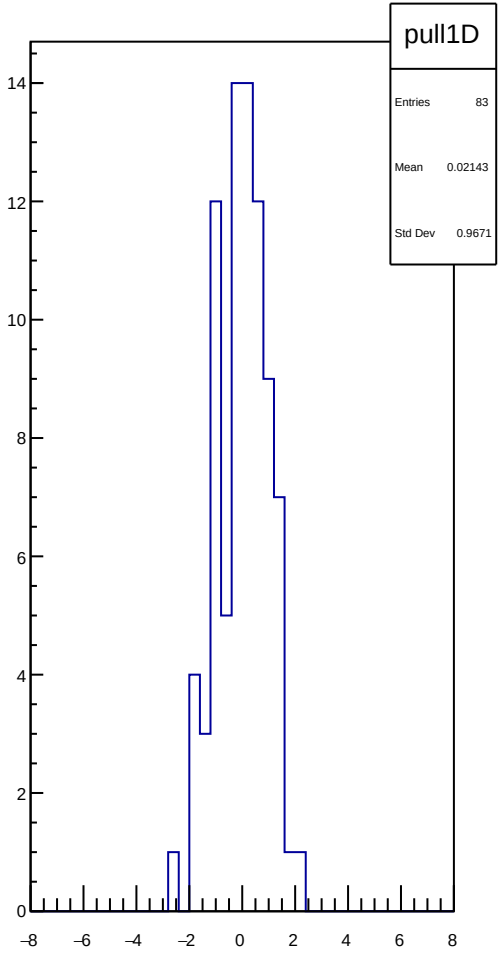

asym_usl_correction_rms vs run
χ² / ndf 7626 / 82
p0 1420 ± 1.125
1700
1600
1500
1400
1300
1200

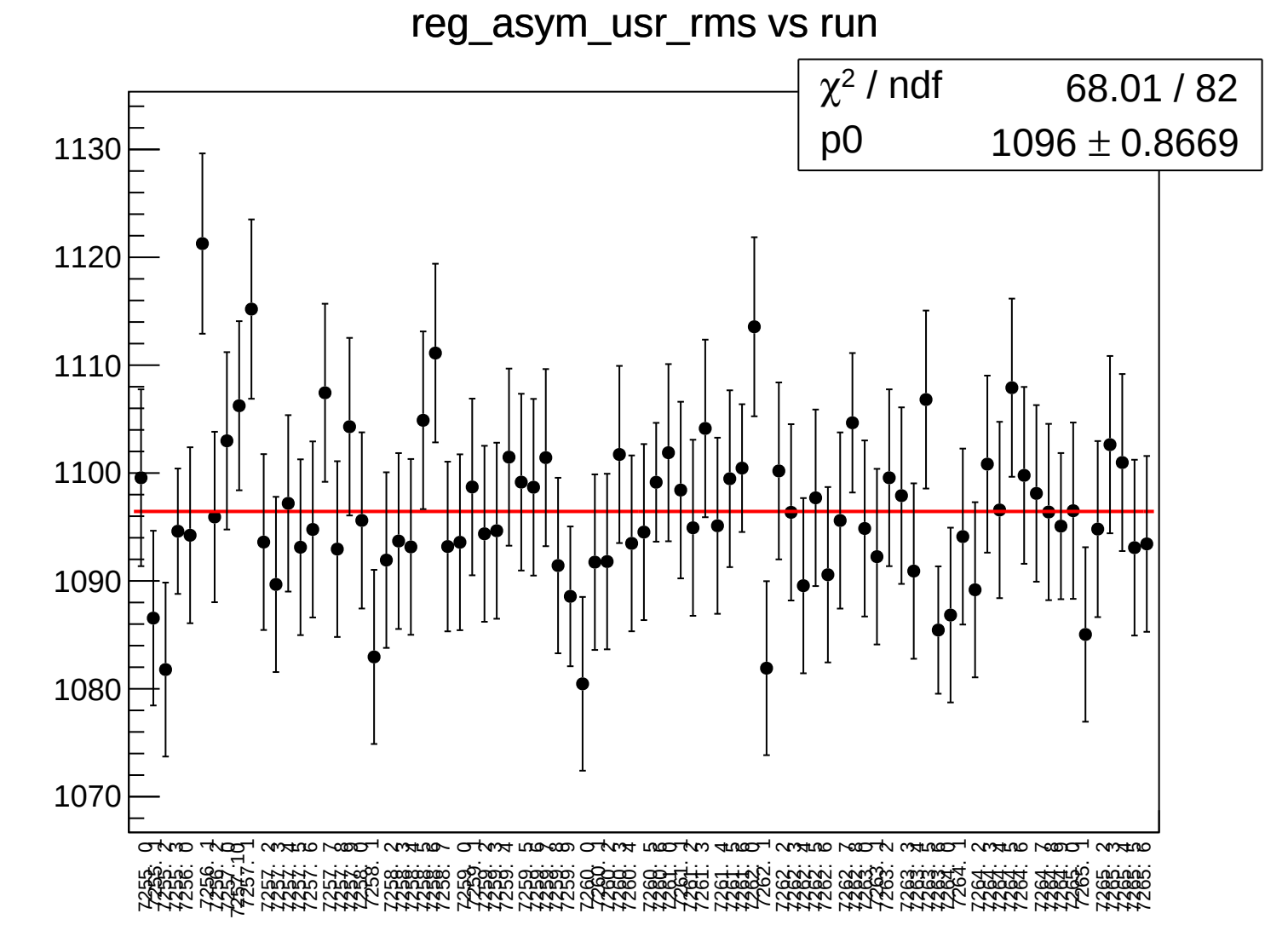

asym_usl_mean vs run
χ² / ndf 59.69 / 82
p0 −2627 ± 2021
pull
Entries 83
Mean −176.8
Std Dev 234.5

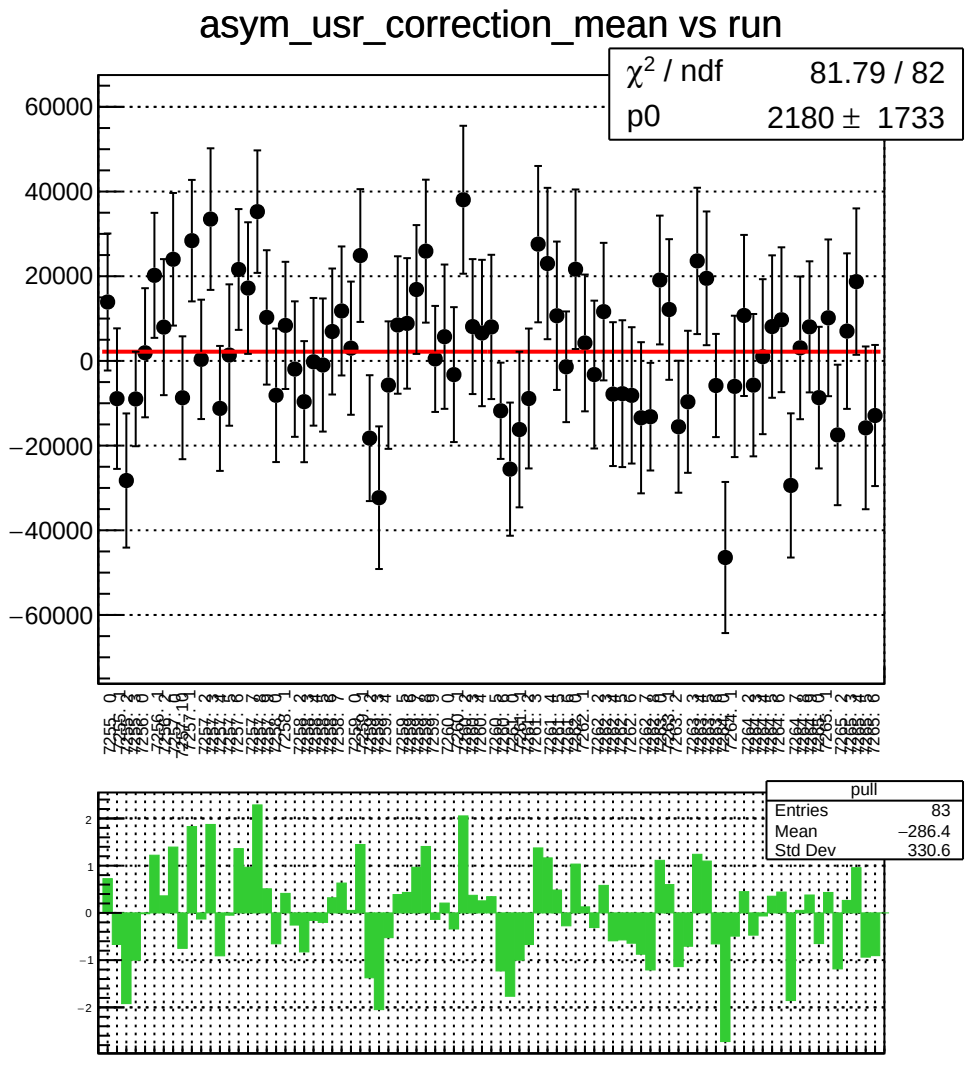

pull1D
Entries 83
Mean −0.01175
Std Dev 0.8479

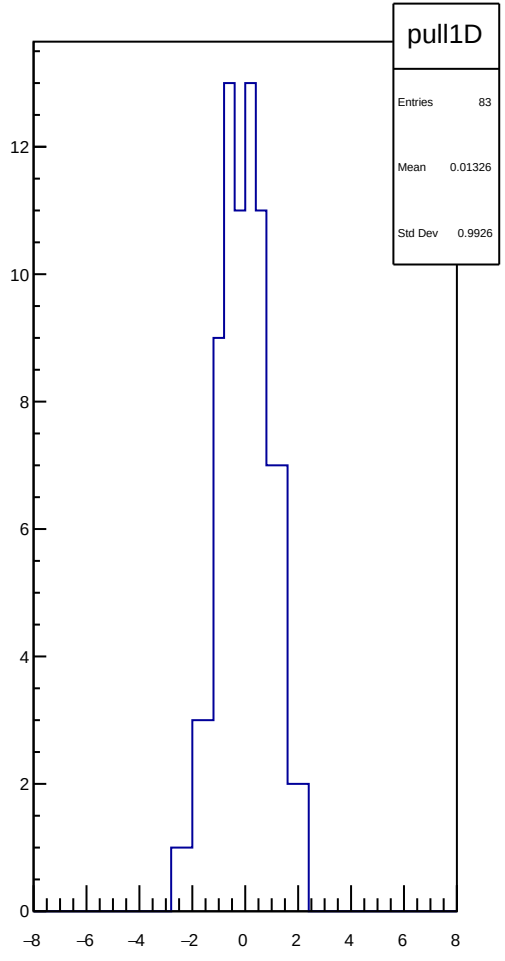

asym_usl_rms vs run
χ² / ndf 2984 / 82
p0 1806 ± 1.429
2050
2000
1950
1900
1850
1800
1750
1700
1650

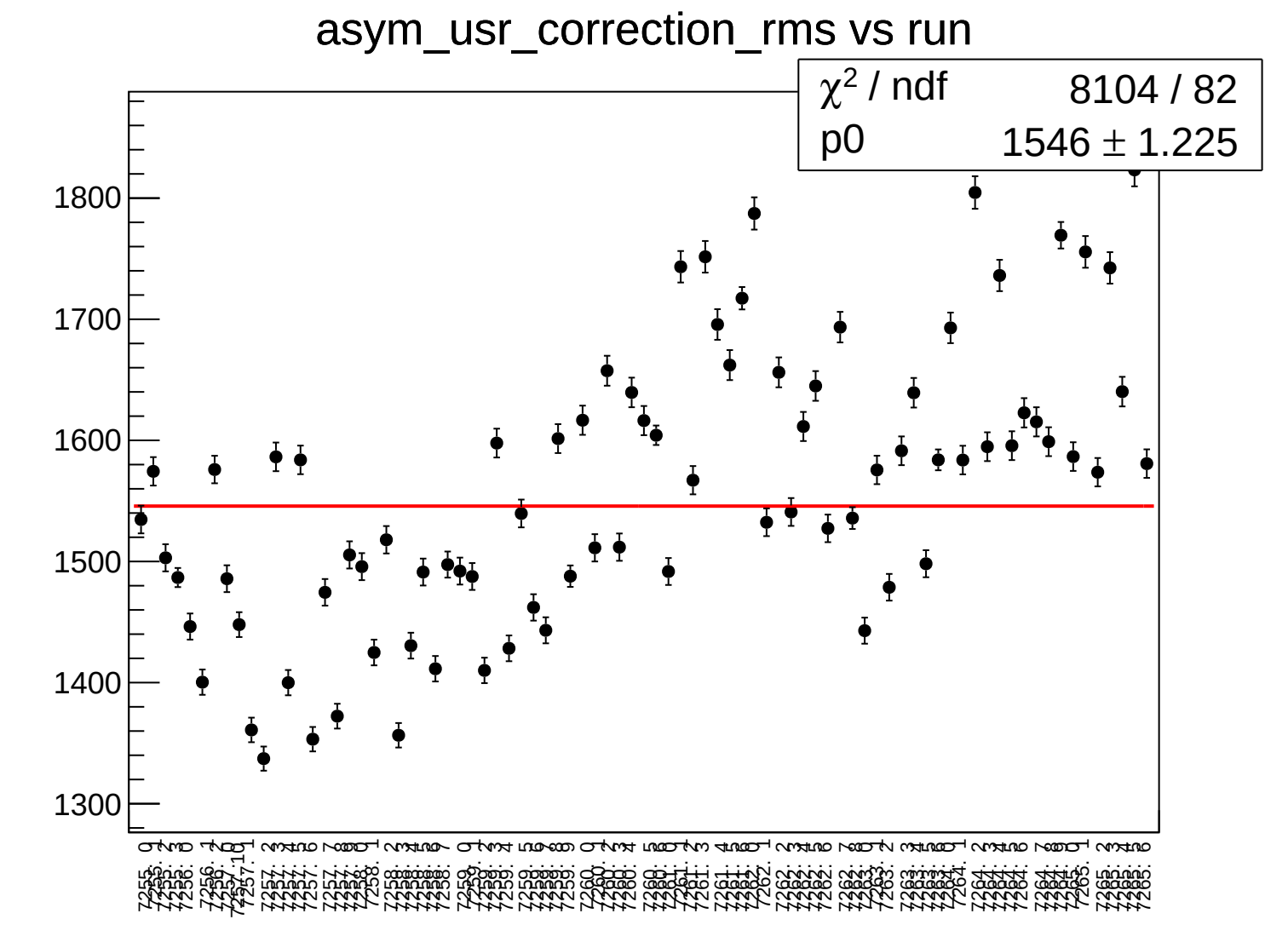

reg_asym_usr_mean vs run
χ² / ndf 77.67 / 82
p0 −2589 ± 1226
pull
Entries 83
Mean 53.04
Std Dev 53.13

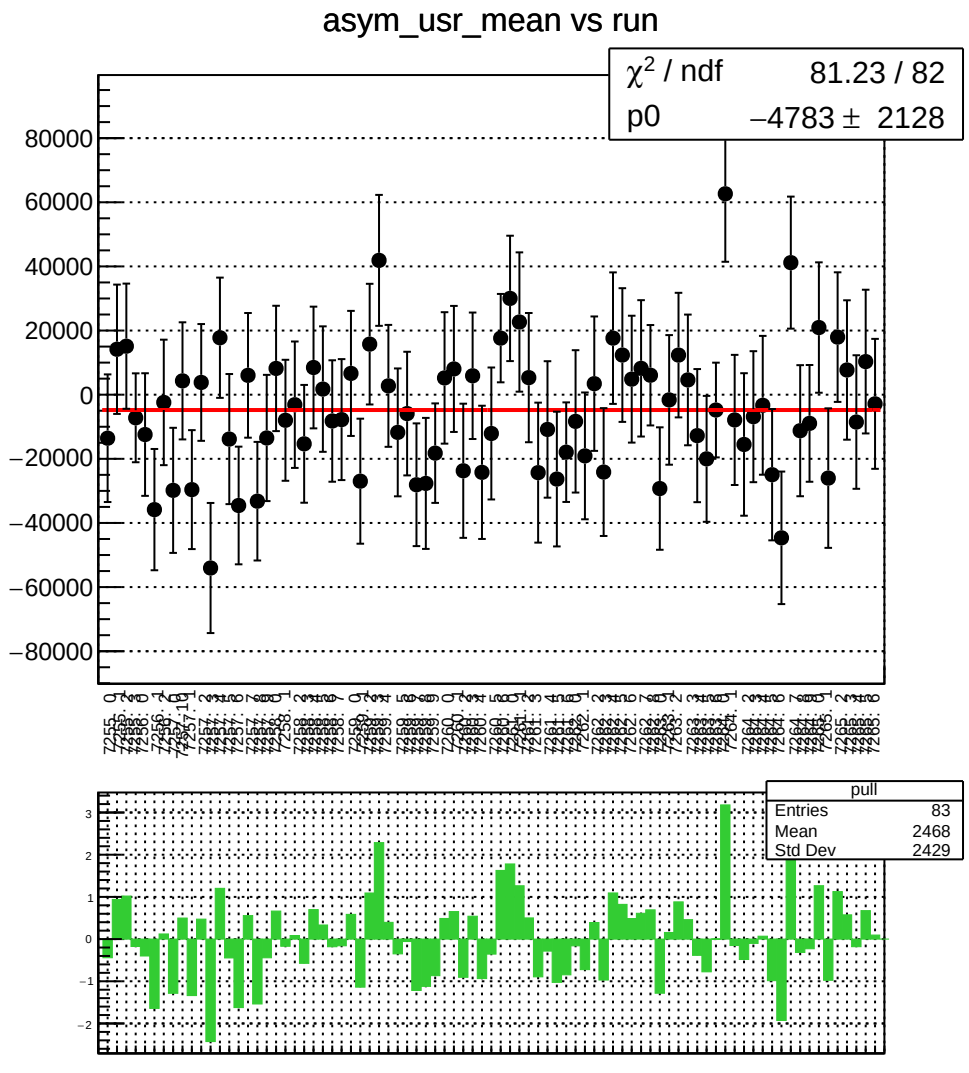

pull1D
Entries 83
Mean 0.02143
Std Dev 0.9671

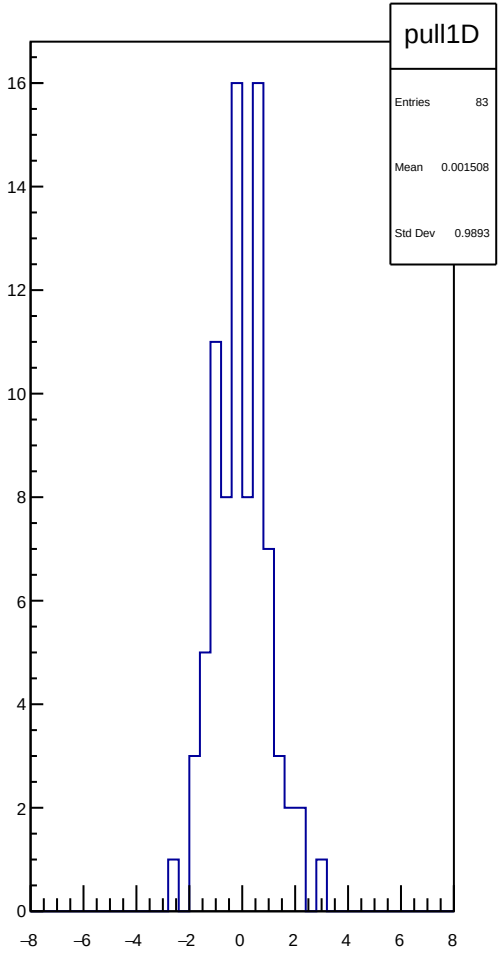

reg_asym_usr_rms vs run
χ² / ndf 68.01 / 82
p0 1096 ± 0.8669
1130
1120
1110
1100
1090
1080
1070

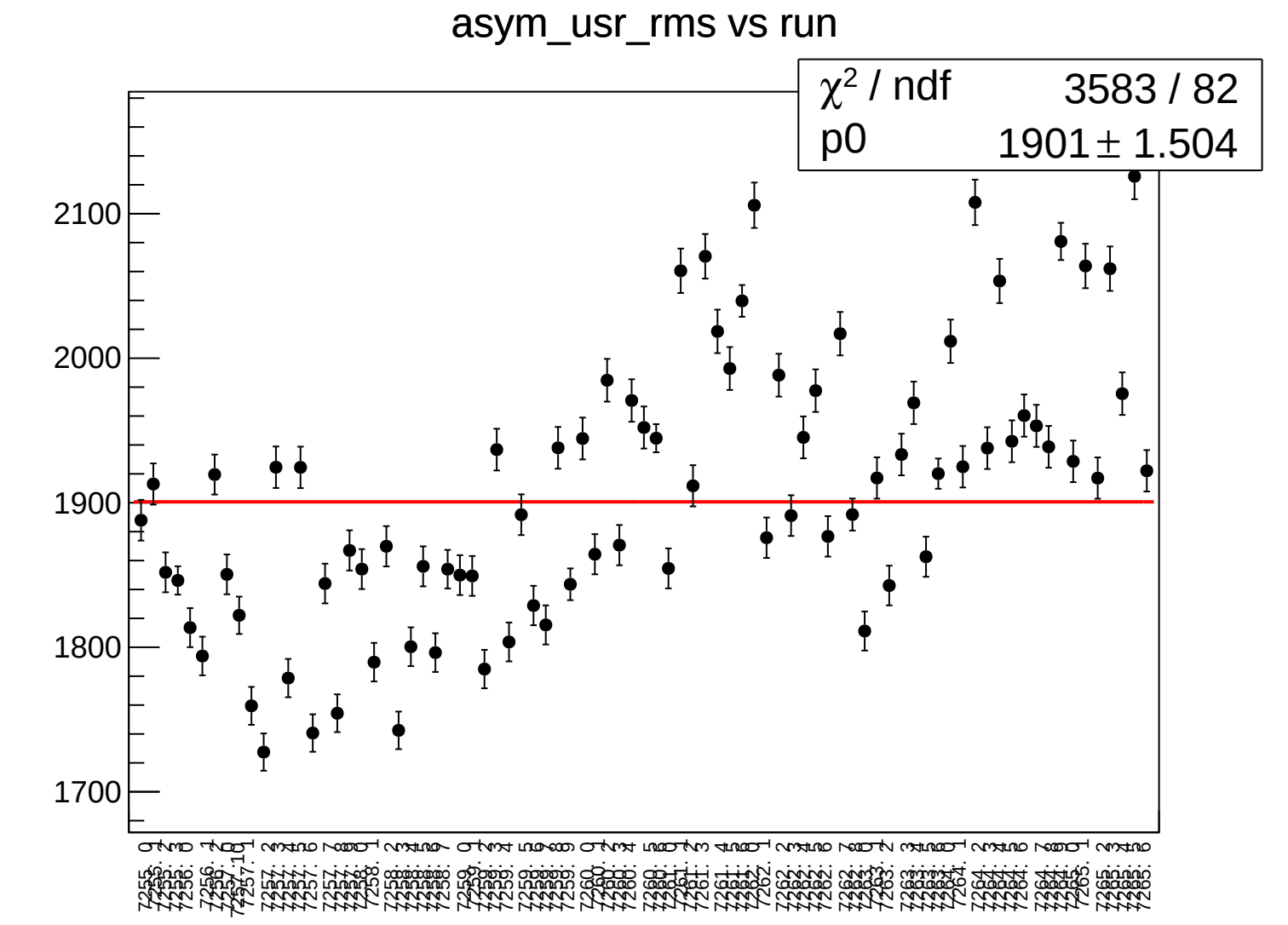

asym_usr_correction_mean vs run
χ² / ndf 81.79 / 82
p0 2180 ± 1733
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −286.4
Std Dev 330.6
2
1
0
−1
−2

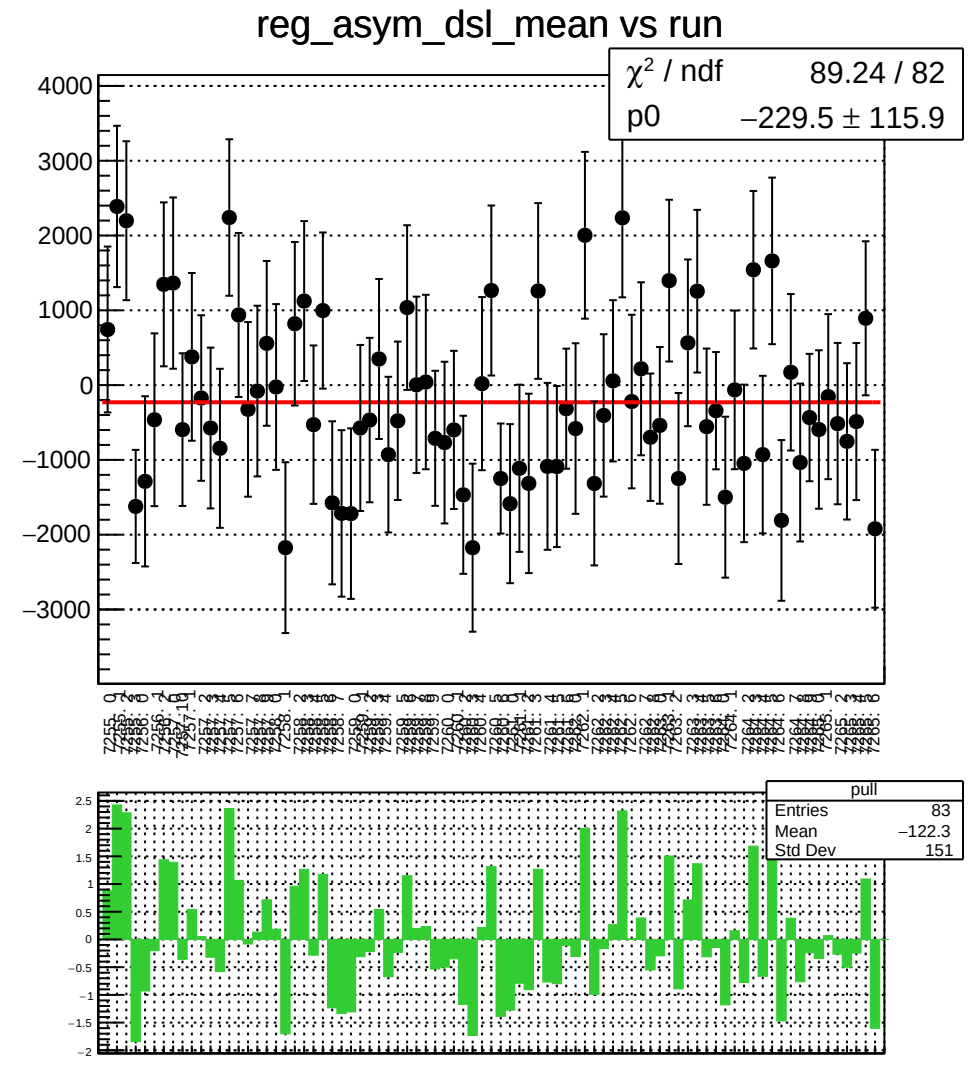

pull1D
Entries 83
Mean 0.01326
Std Dev 0.9926
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

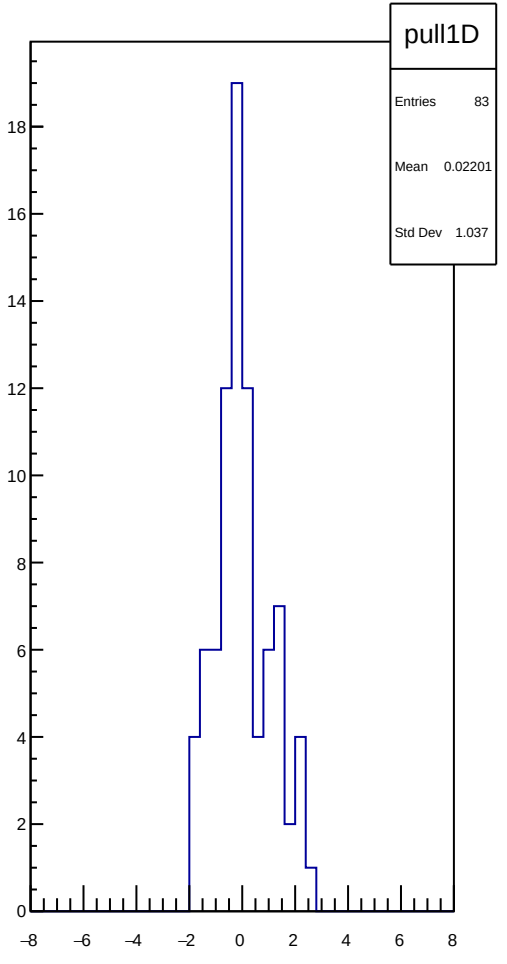

asym_usr_correction_rms vs run
χ² / ndf 8104 / 82
p0 1546 ± 1.225
1800
1700
1600
1500
1400
1300

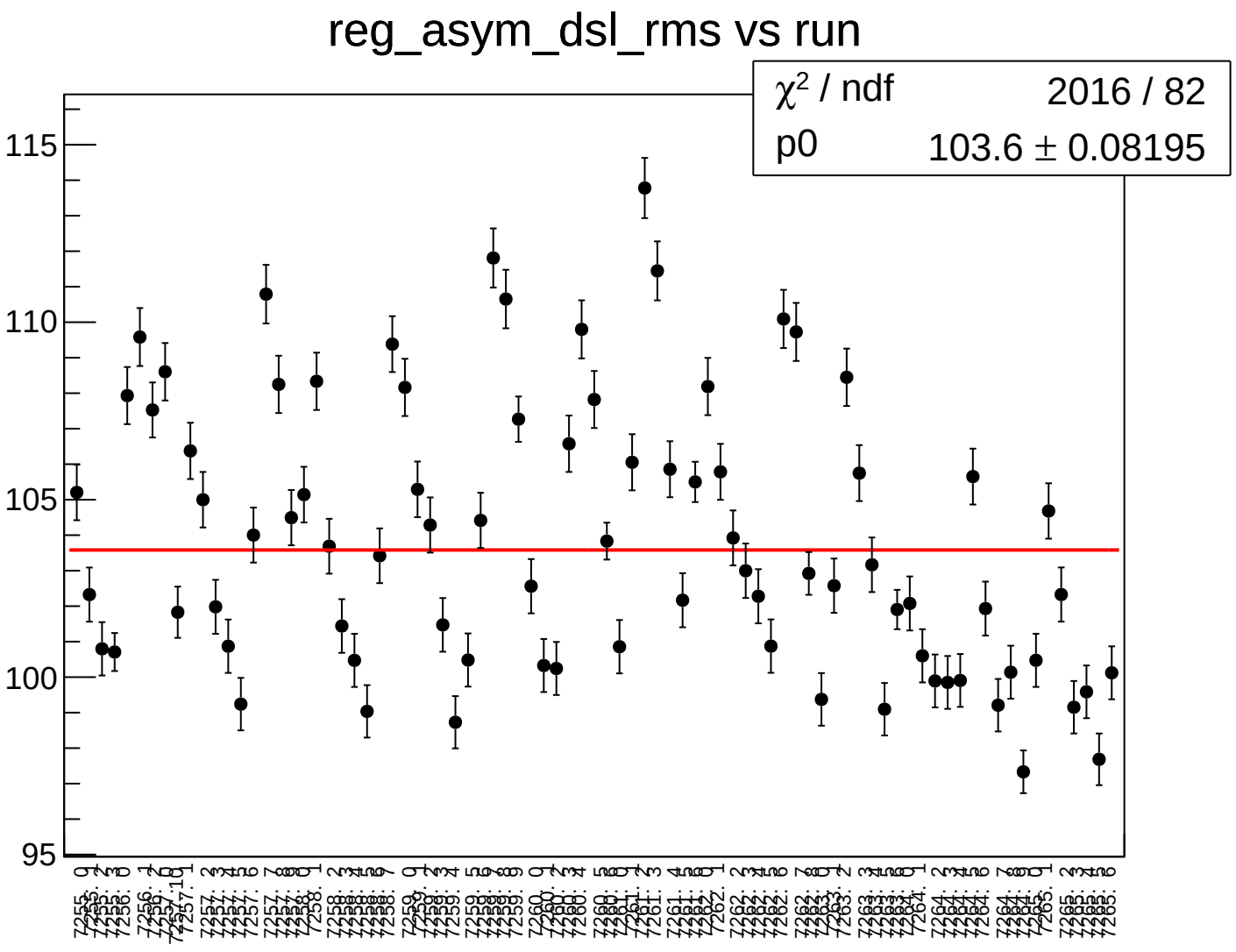

asym_usr_mean vs run
χ² / ndf 81.23 / 82
p0 −4783 ± 2128
pull
Entries 83
Mean 2468
Std Dev 2429

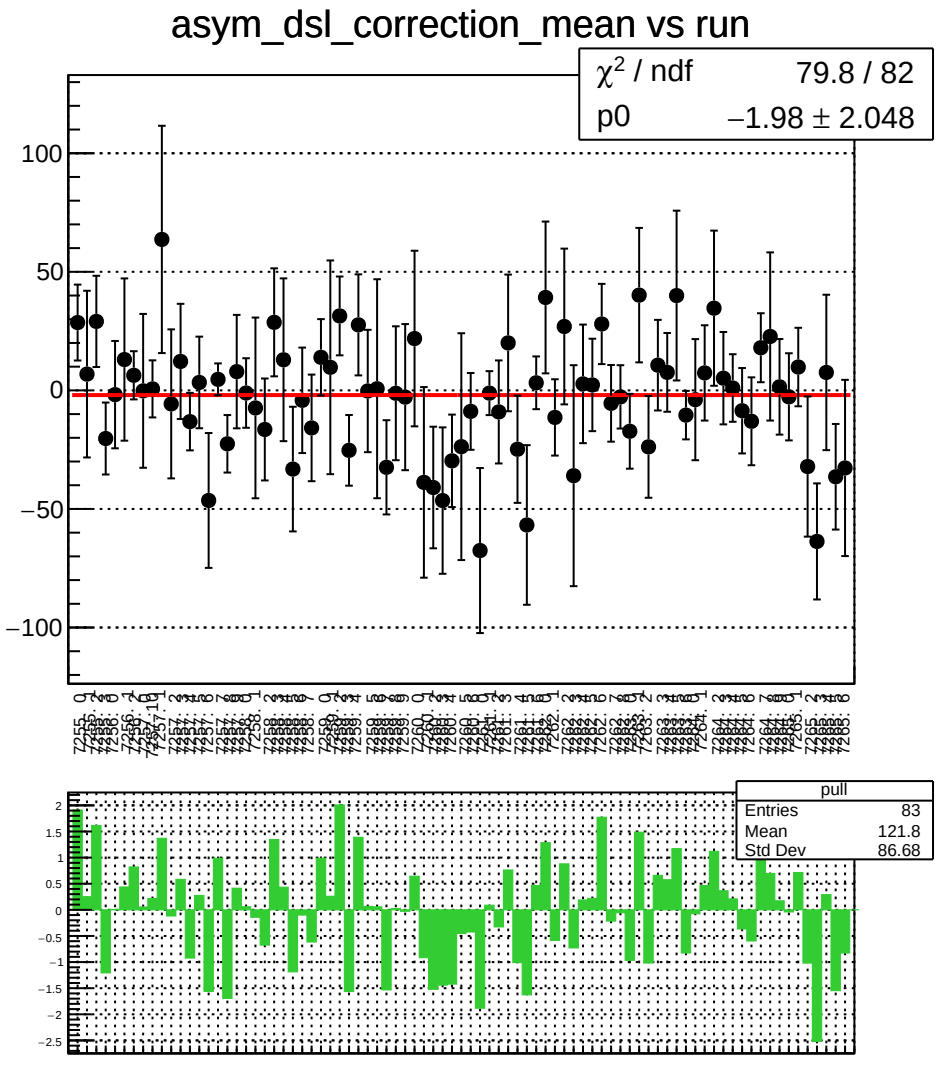

pull1D
Entries 83
Mean 0.001508
Std Dev 0.9893

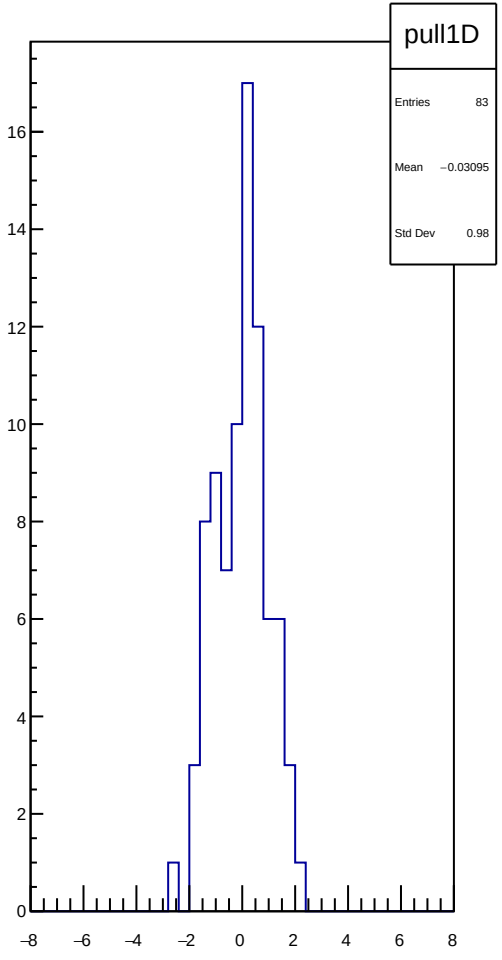

asym_usr_rms vs run
χ² / ndf 3583 / 82
p0 1901 ± 1.504
2100
2000
1900
1800
1700

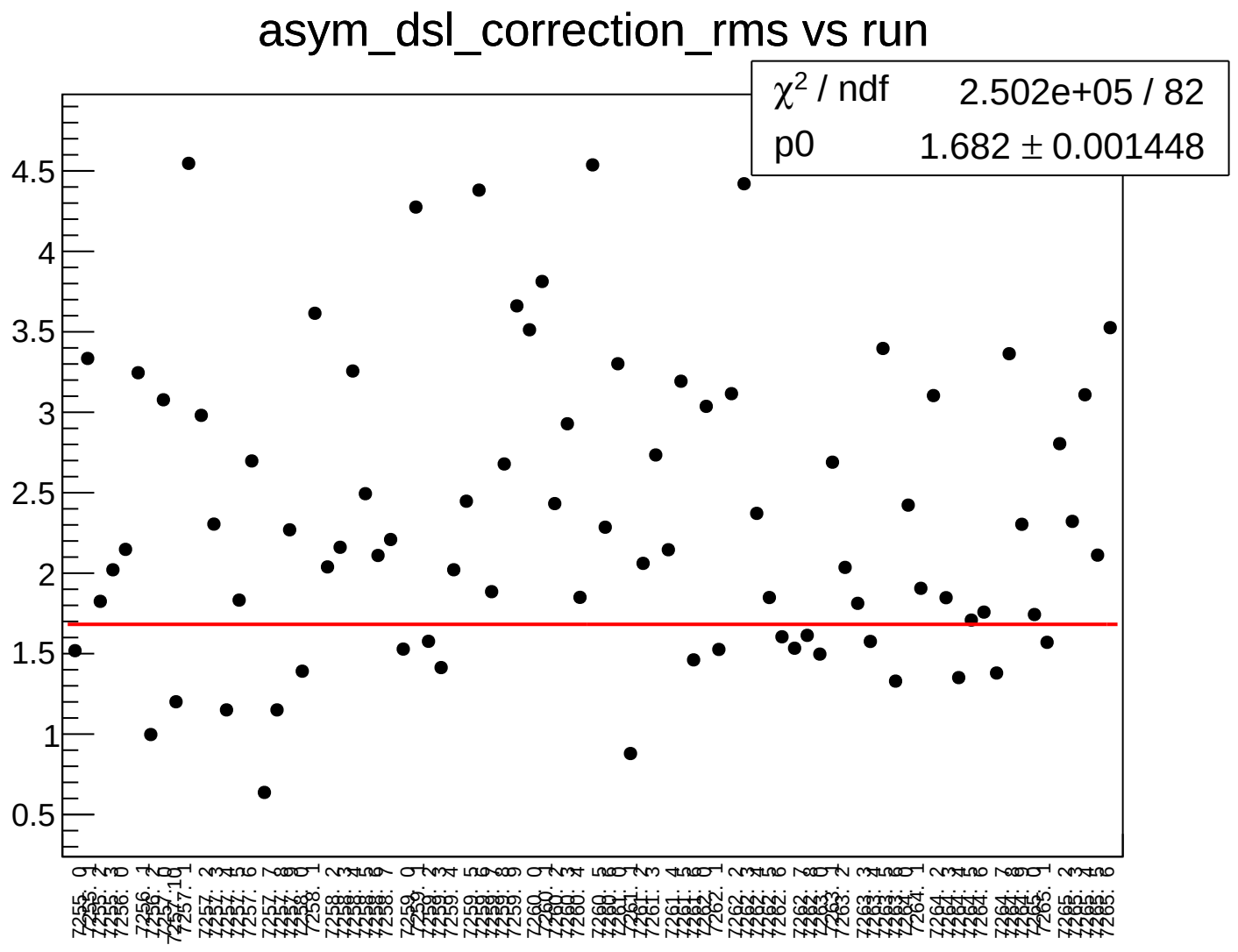

reg_asym_dsl_mean vs run
χ² / ndf 89.24 / 82
p0 −229.5 ± 115.9
pull
Entries 83
Mean −122.3
Std Dev 151

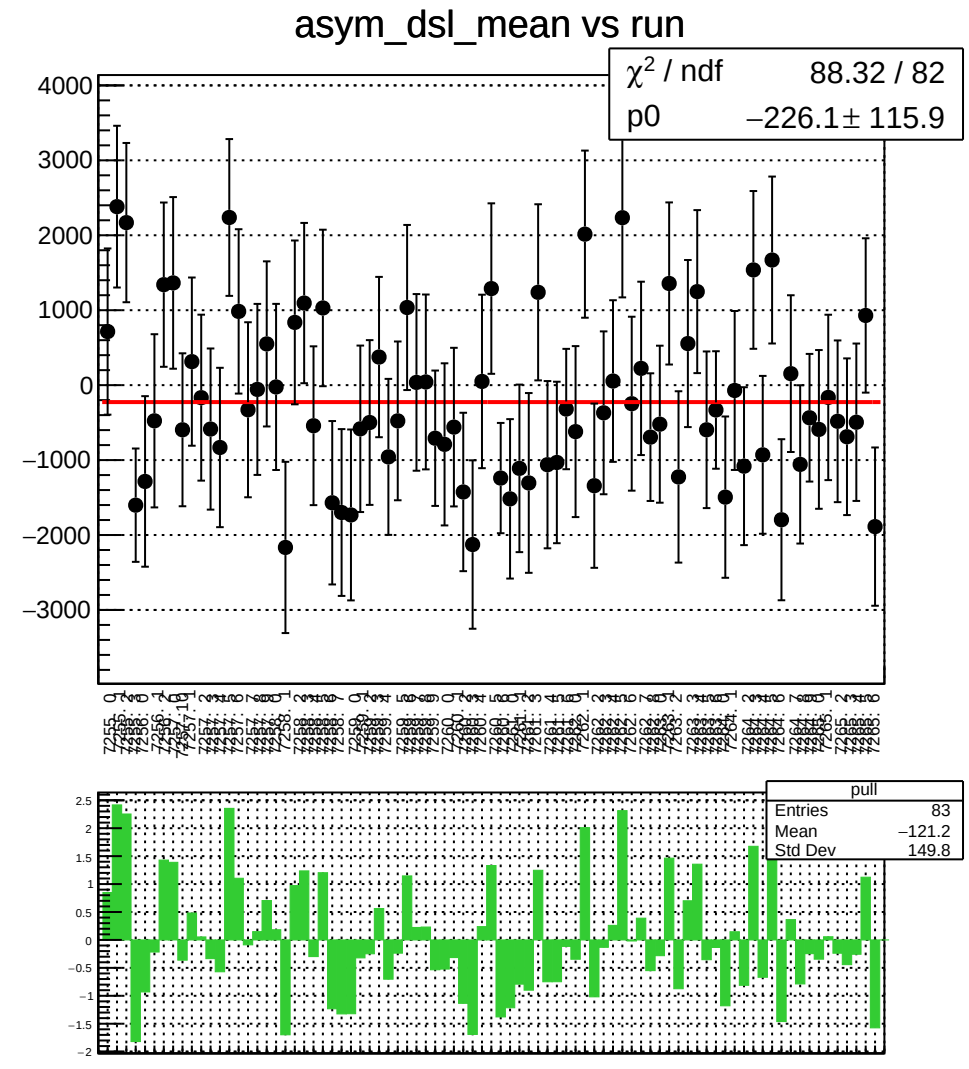

pull1D
Entries 83
Mean 0.02201
Std Dev 1.037

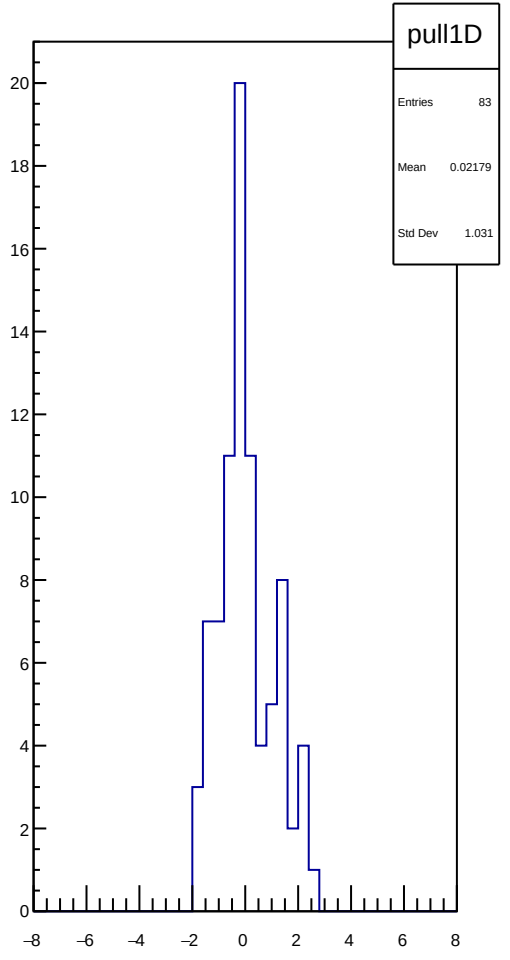

reg_asym_dsl_rms vs run
χ² / ndf 2016 / 82
p0 103.6 ± 0.08195
115
110
105
100
95

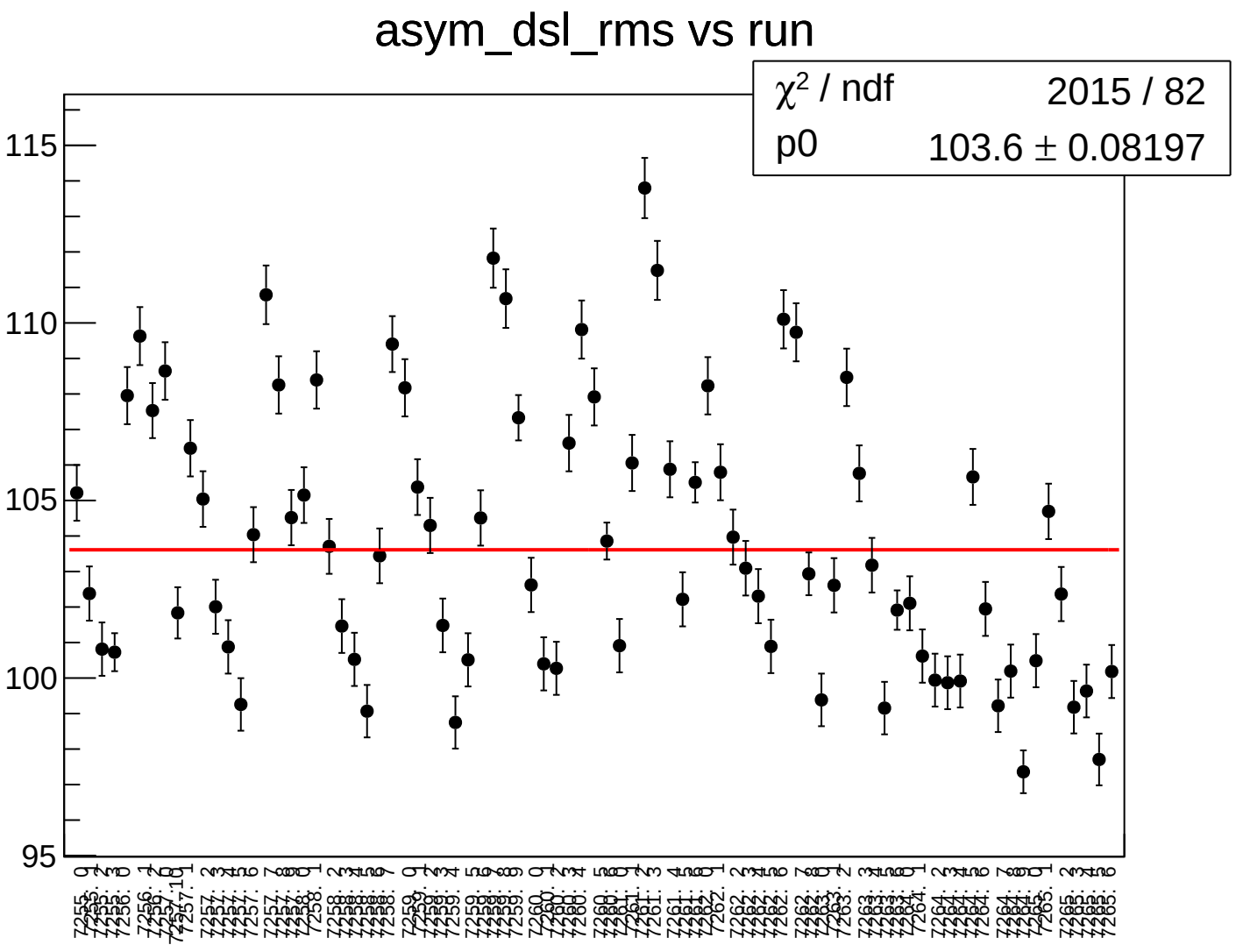

asym_dsl_correction_mean vs run
χ² / ndf 79.8 / 82
p0 −1.98 ± 2.048
pull
Entries 83
Mean 121.8
Std Dev 86.68

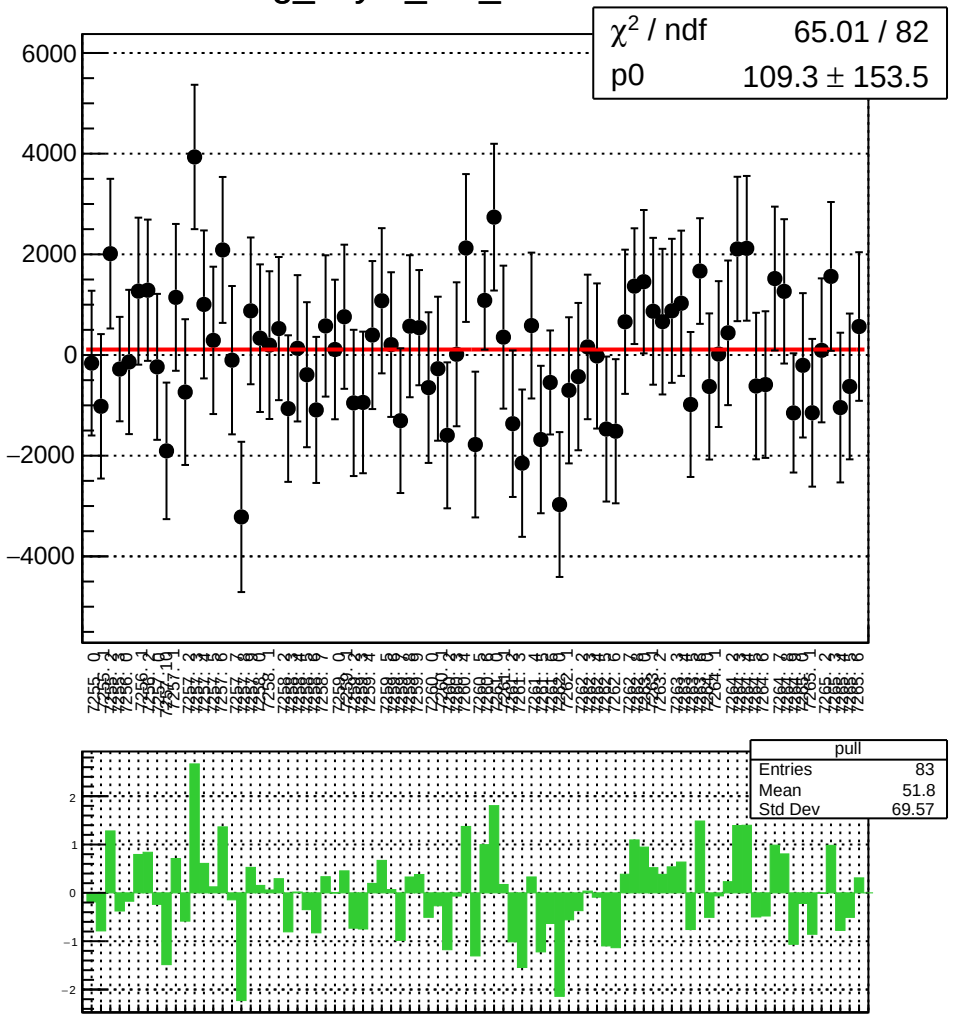

pull1D
Entries 83
Mean −0.03095
Std Dev 0.98

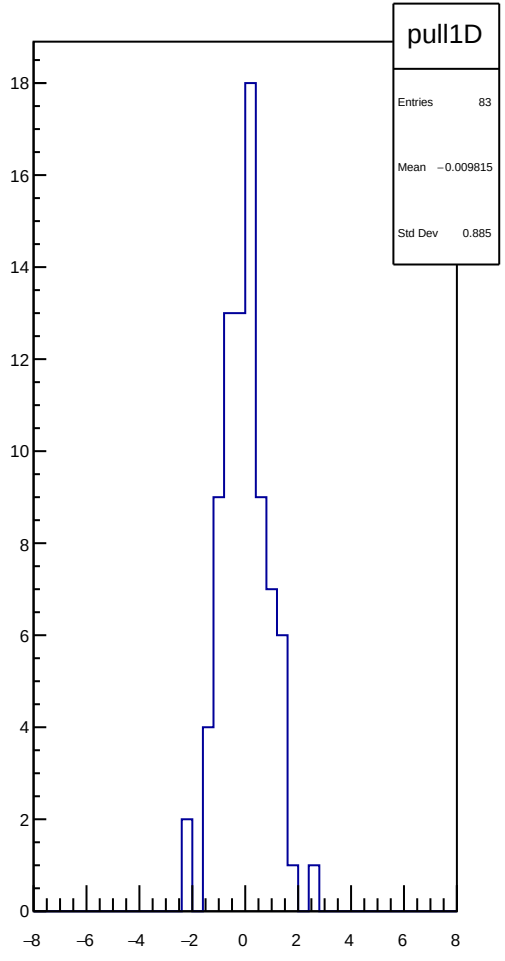

asym_dsl_correction_rms vs run
χ^2 / ndf 2.502e+05 / 82
p0 1.682 ± 0.001448
4.5
4
3.5
3
2.5
2
1.5
1
0.5

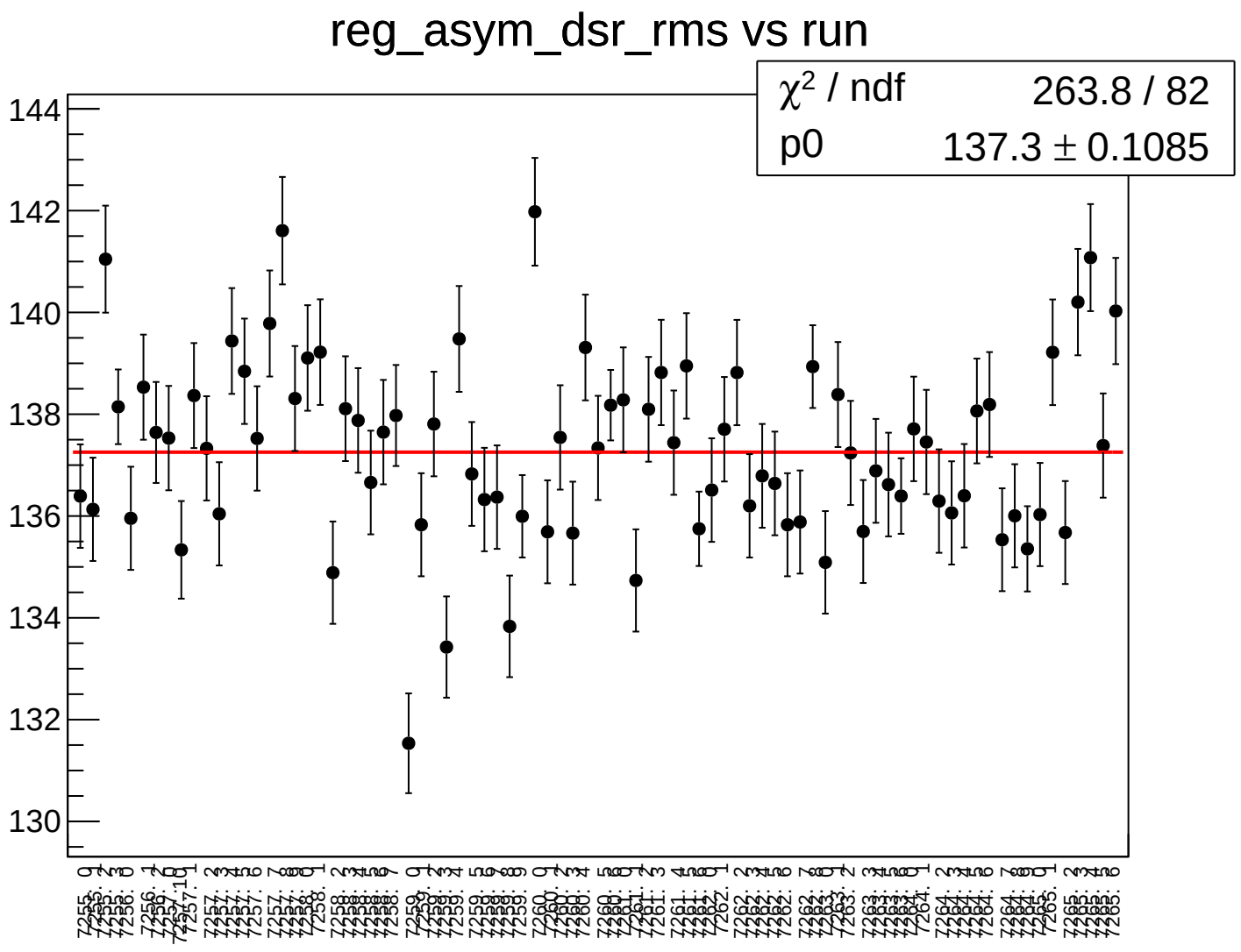

asym_dsl_mean vs run
χ² / ndf 88.32 / 82
p0 −226.1± 115.9
pull
Entries 83
Mean −121.2
Std Dev 149.8

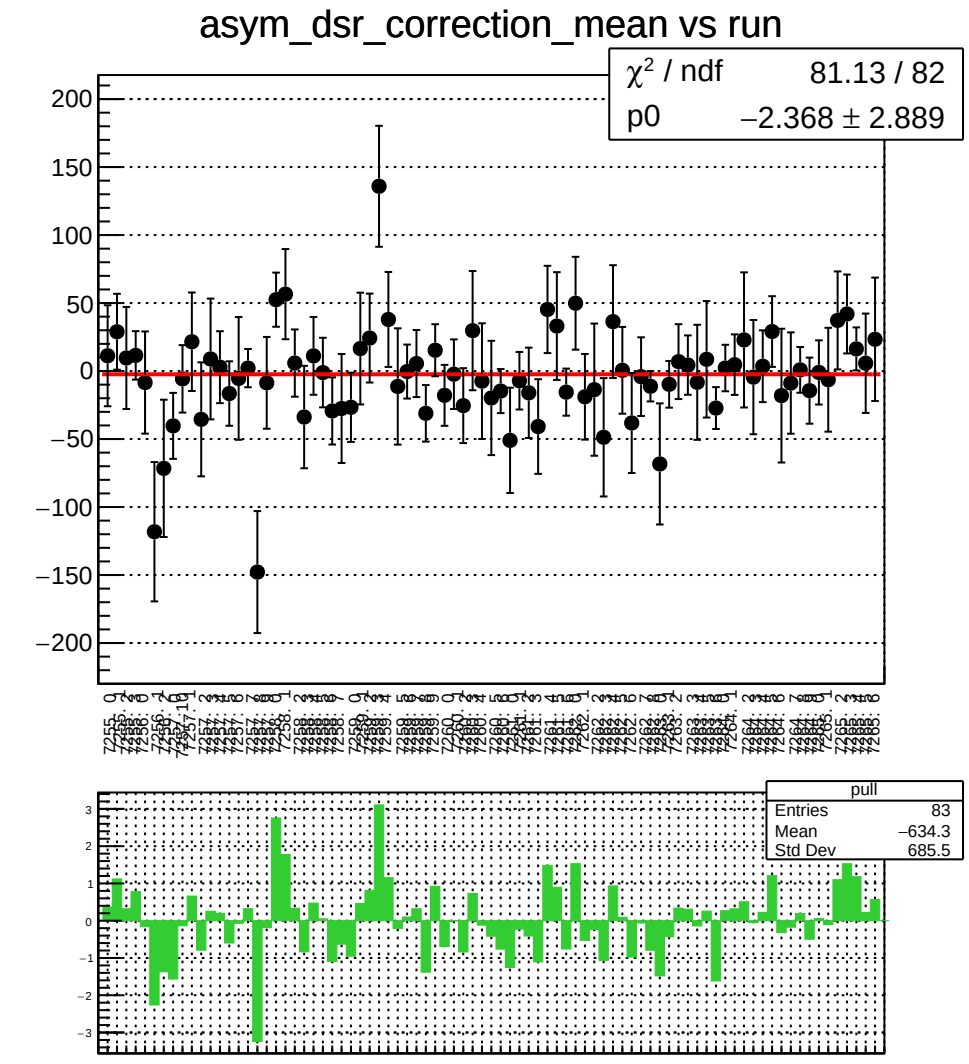

pull1D
Entries 83
Mean 0.02179
Std Dev 1.031

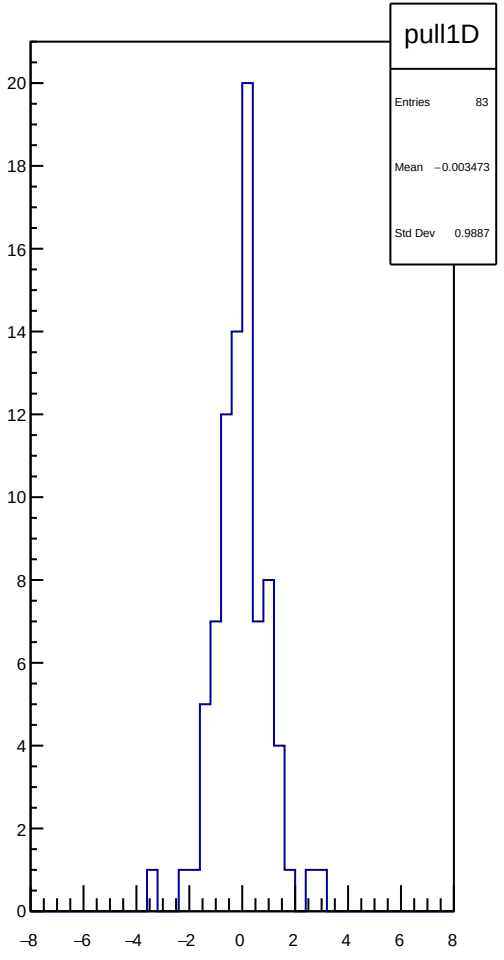

asym_dsl_rms vs run
χ² / ndf 2015 / 82
p0 103.6 ± 0.08197
115
110
105
100
95

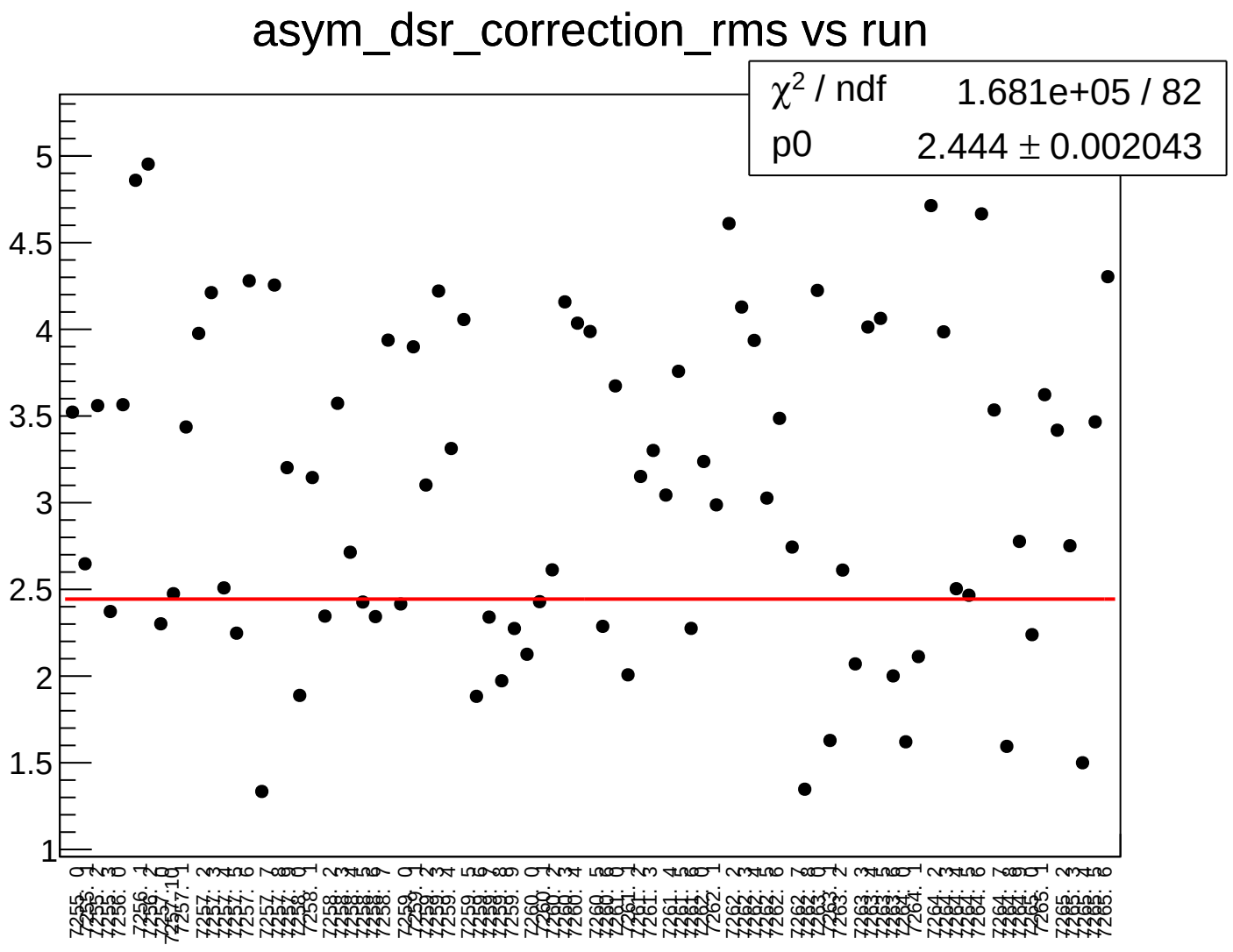

reg_asym_dsr_mean vs run
χ² / ndf 65.01 / 82
p0 109.3 ± 153.5
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 51.8
Std Dev 69.57
2
1
0
−1
−2

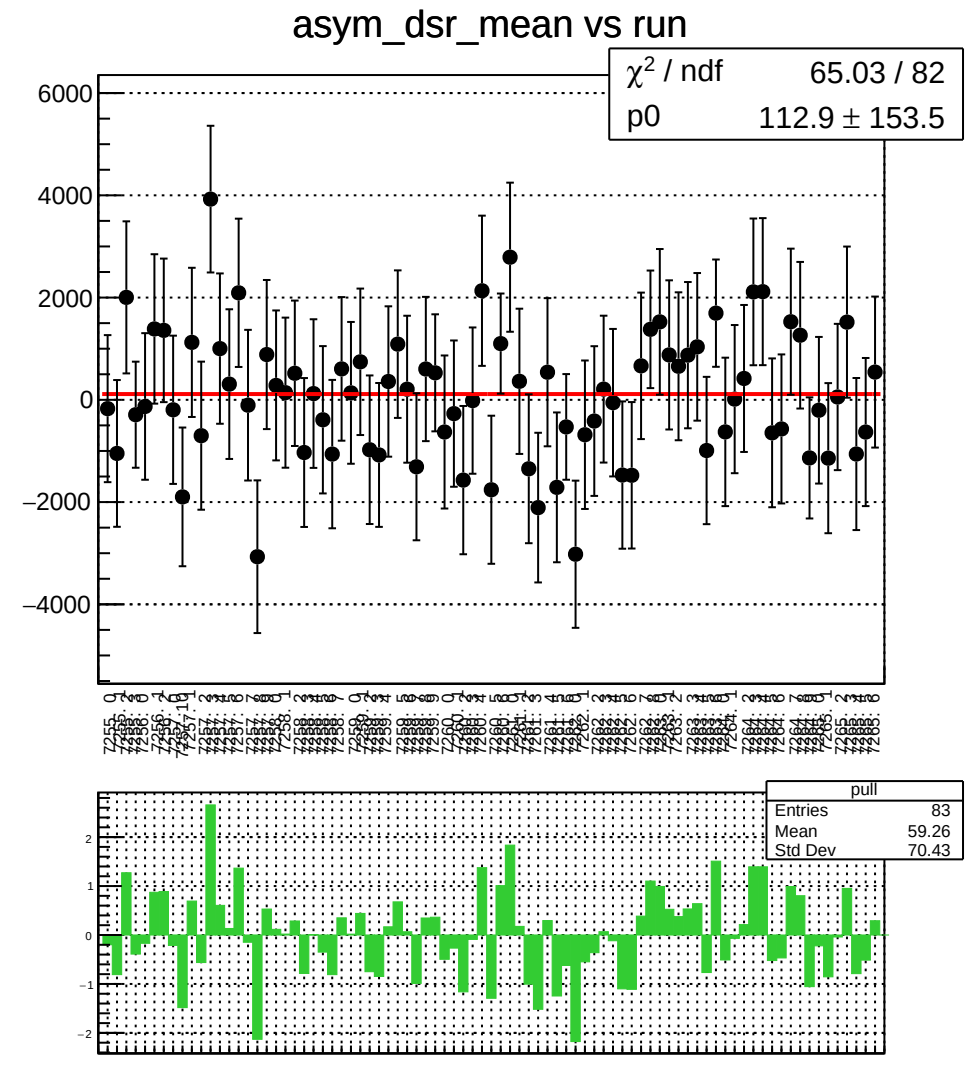

pull1D
Entries 83
Mean −0.009815
Std Dev 0.885
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

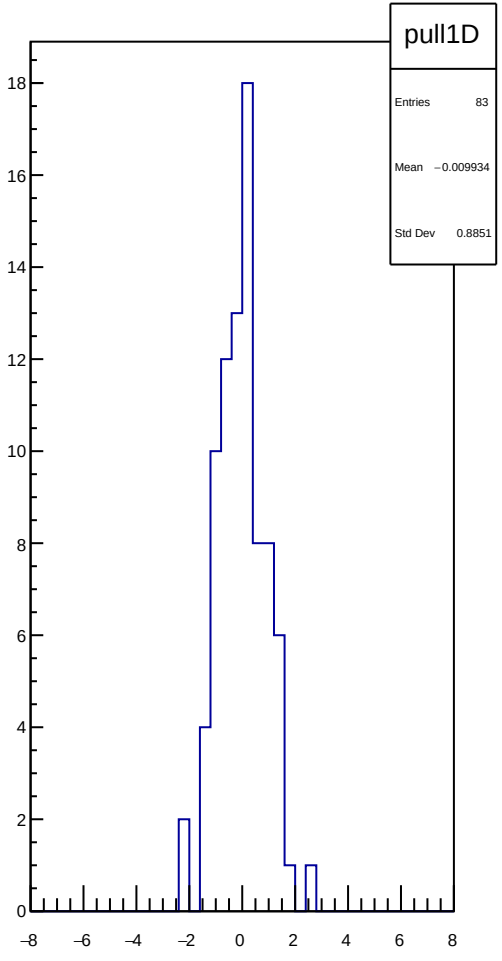

reg_asym_dsr_rms vs run
χ² / ndf 263.8 / 82
p0 137.3 ± 0.1085
144
142
140
138
136
134
132
130

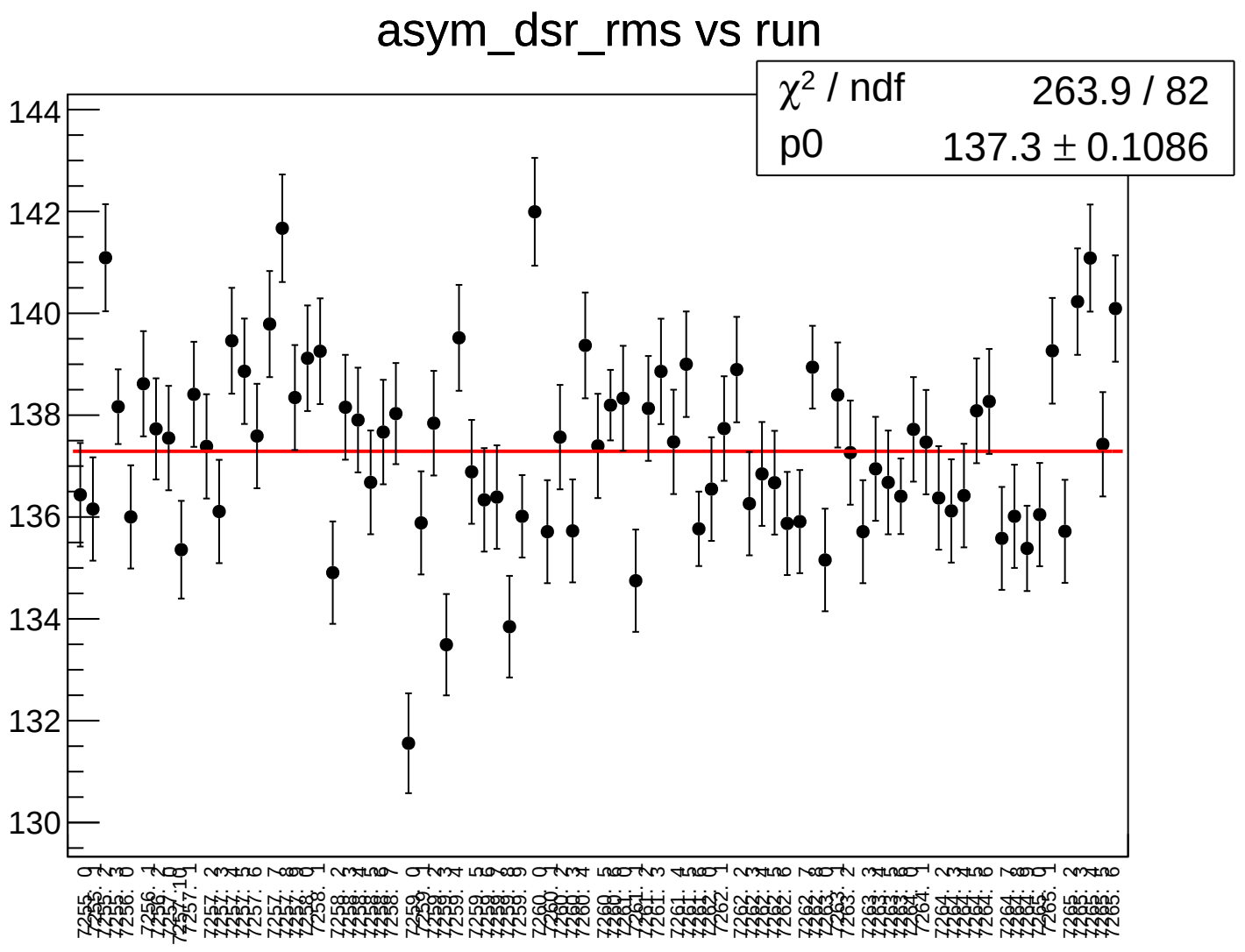

asym_dsr_correction_mean vs run
χ² / ndf 81.13 / 82
p0 −2.368 ± 2.889
pull
Entries 83
Mean −634.3
Std Dev 685.5

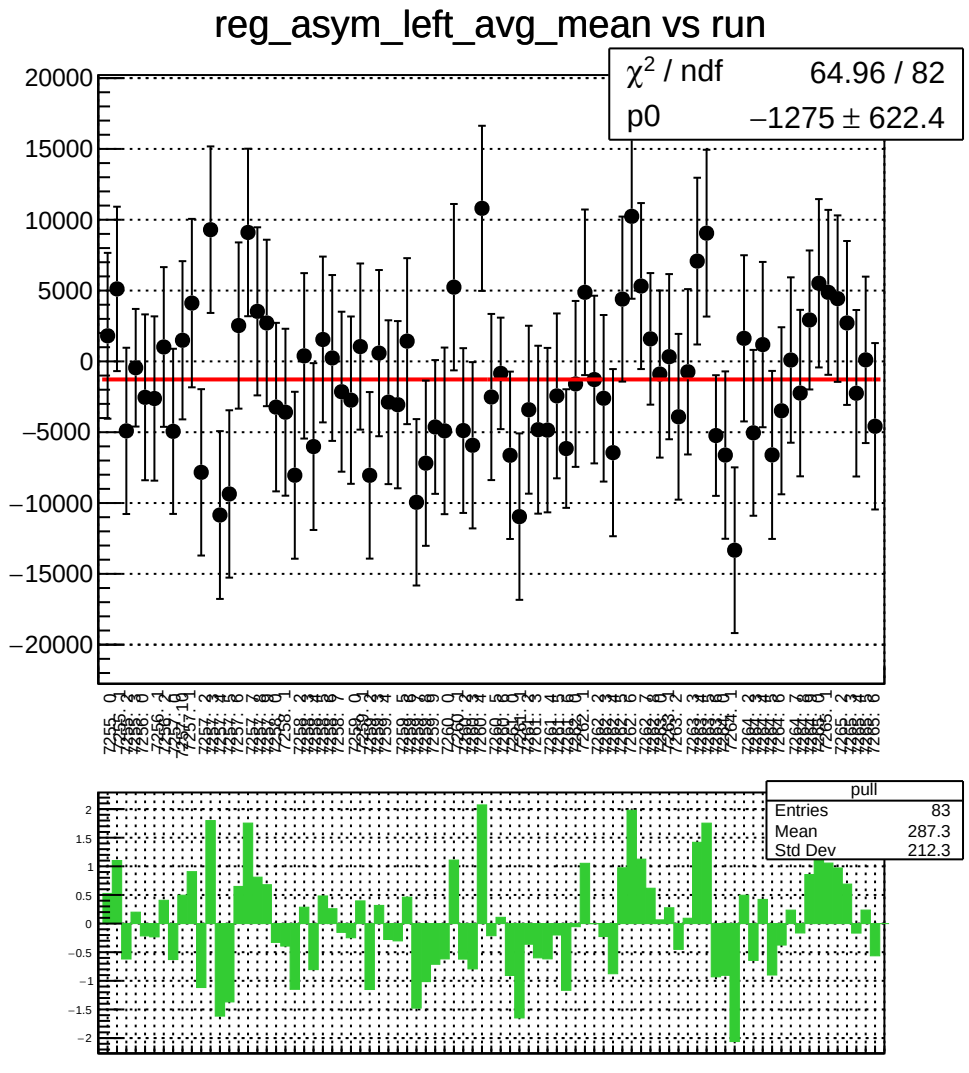

pull1D
Entries 83
Mean −0.003473
Std Dev 0.9887

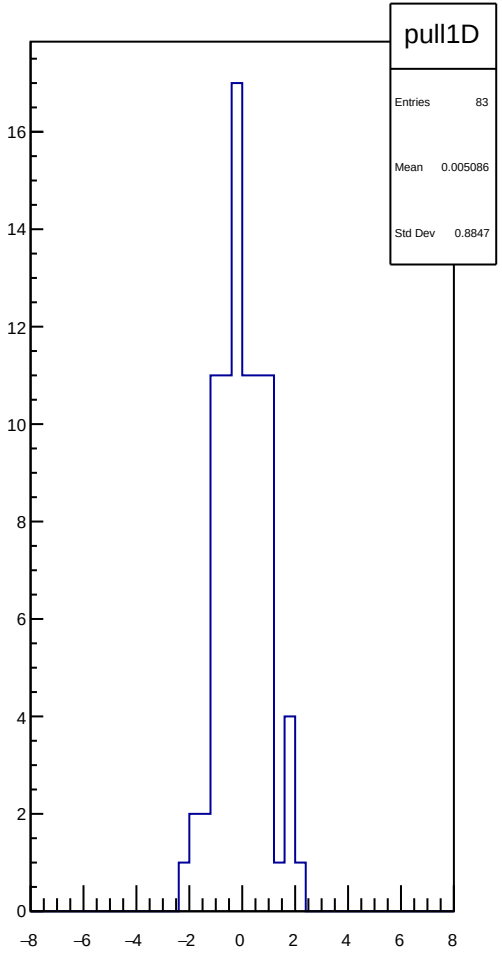

asym_dsr_correction_rms vs run
χ^2 / ndf 1.681e+05 / 82
p0 2.444 ± 0.002043
5
4.5
4
3.5
3
2.5
2
1.5
1

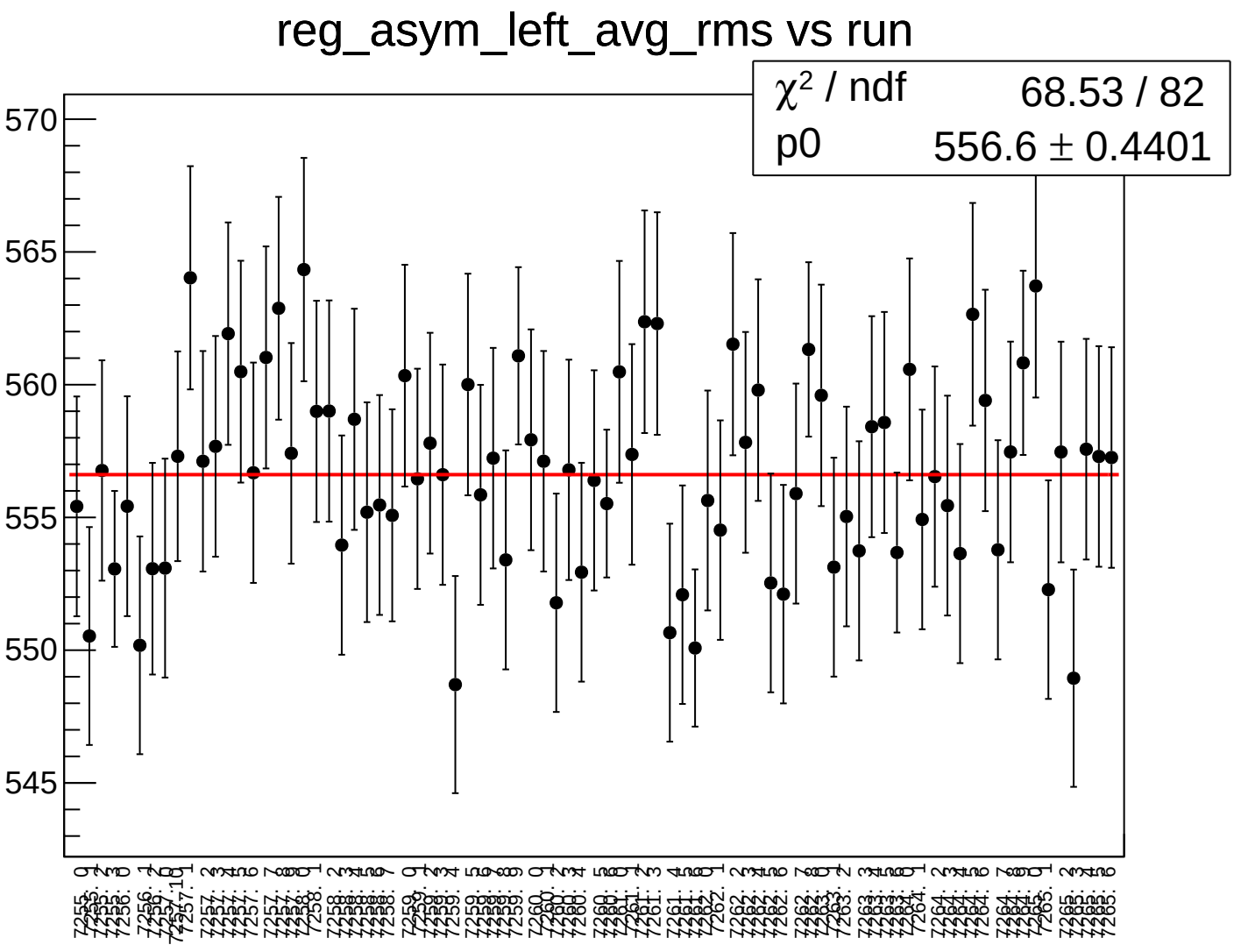

asym_dsr_mean vs run
χ² / ndf 65.03 / 82
p0 112.9 ± 153.5
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 59.26
Std Dev 70.43
2
1
0
−1
−2

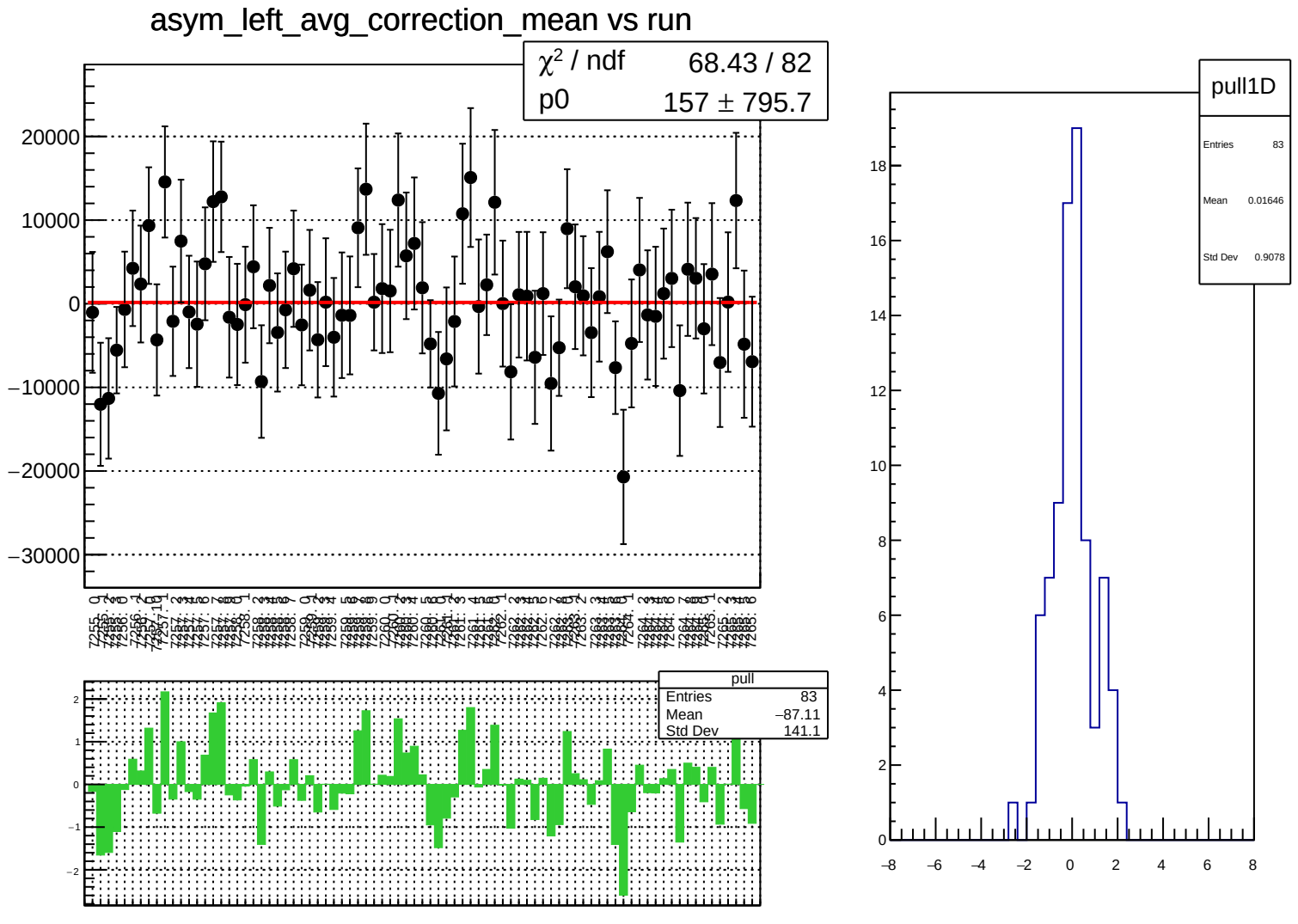

pull1D
Entries 83
Mean −0.009934
Std Dev 0.8851
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

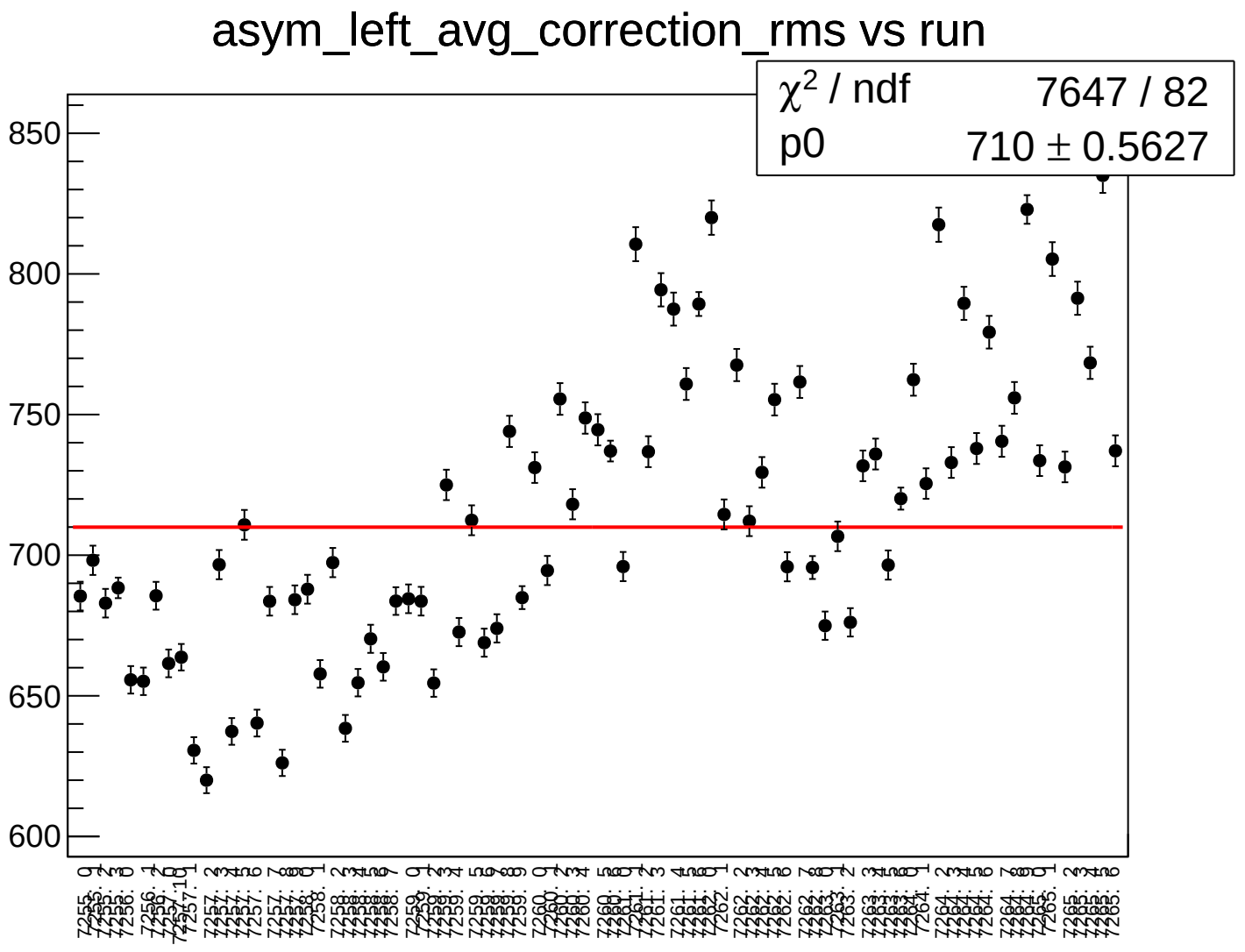

asym_dsr_rms vs run
χ^2 / ndf 263.9 / 82
p0 137.3 ± 0.1086
144
142
140
138
136
134
132
130

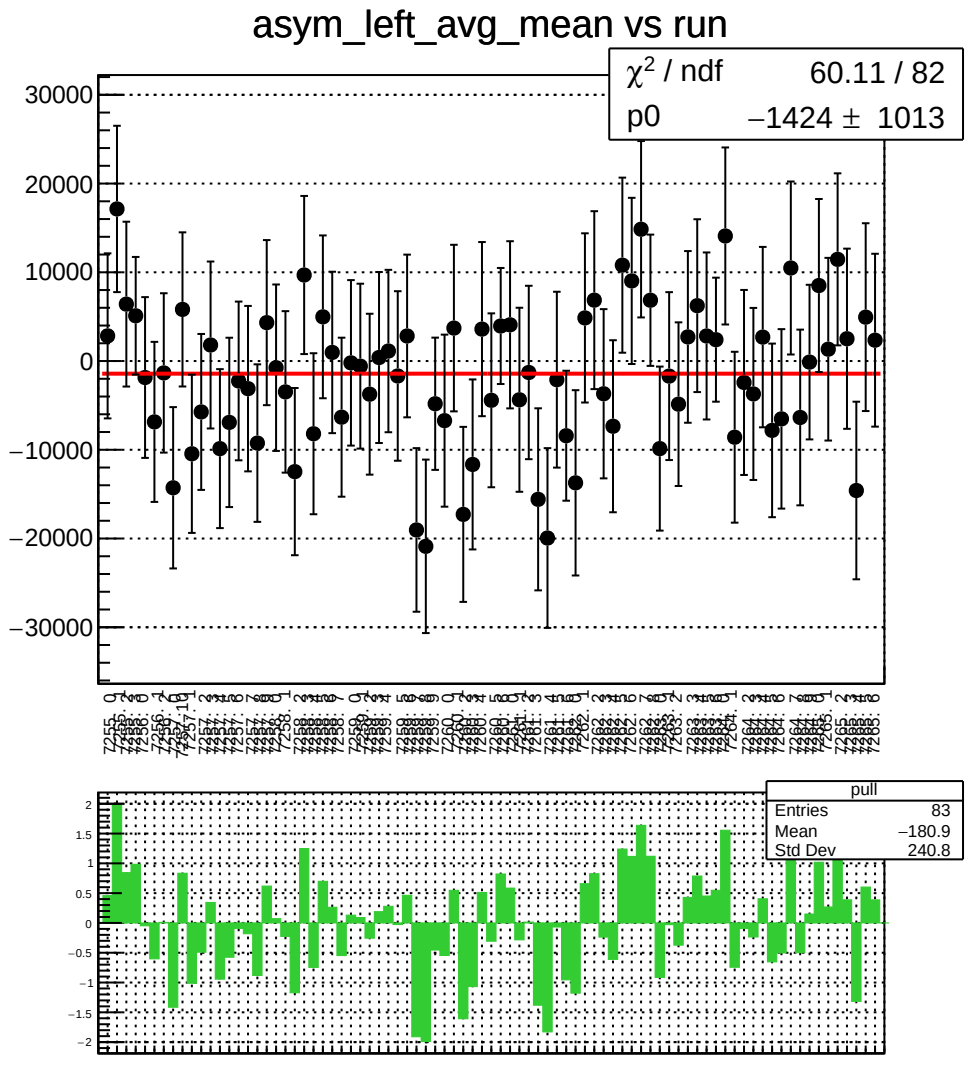

reg_asym_left_avg_mean vs run
χ² / ndf 64.96 / 82
p0 −1275 ± 622.4
pull
Entries 83
Mean 287.3
Std Dev 212.3

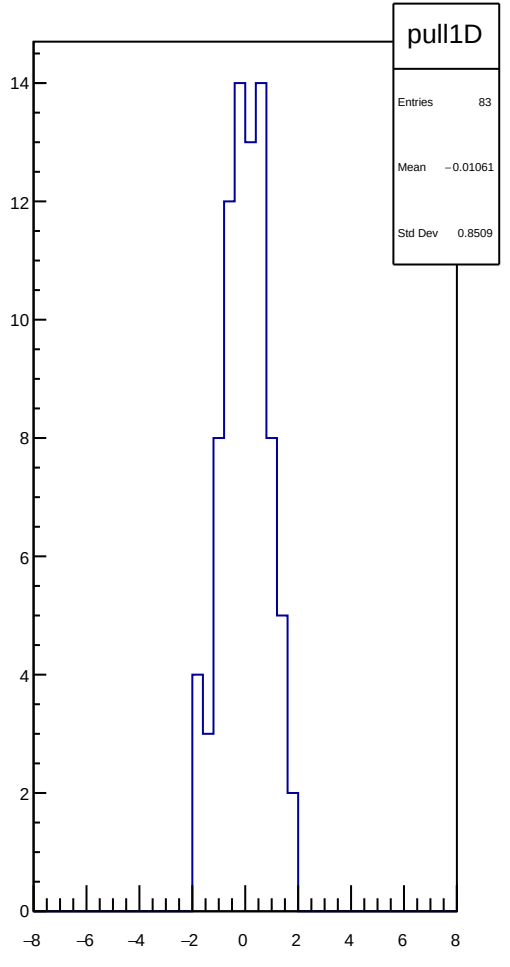

pull1D
Entries 83
Mean 0.005086
Std Dev 0.8847

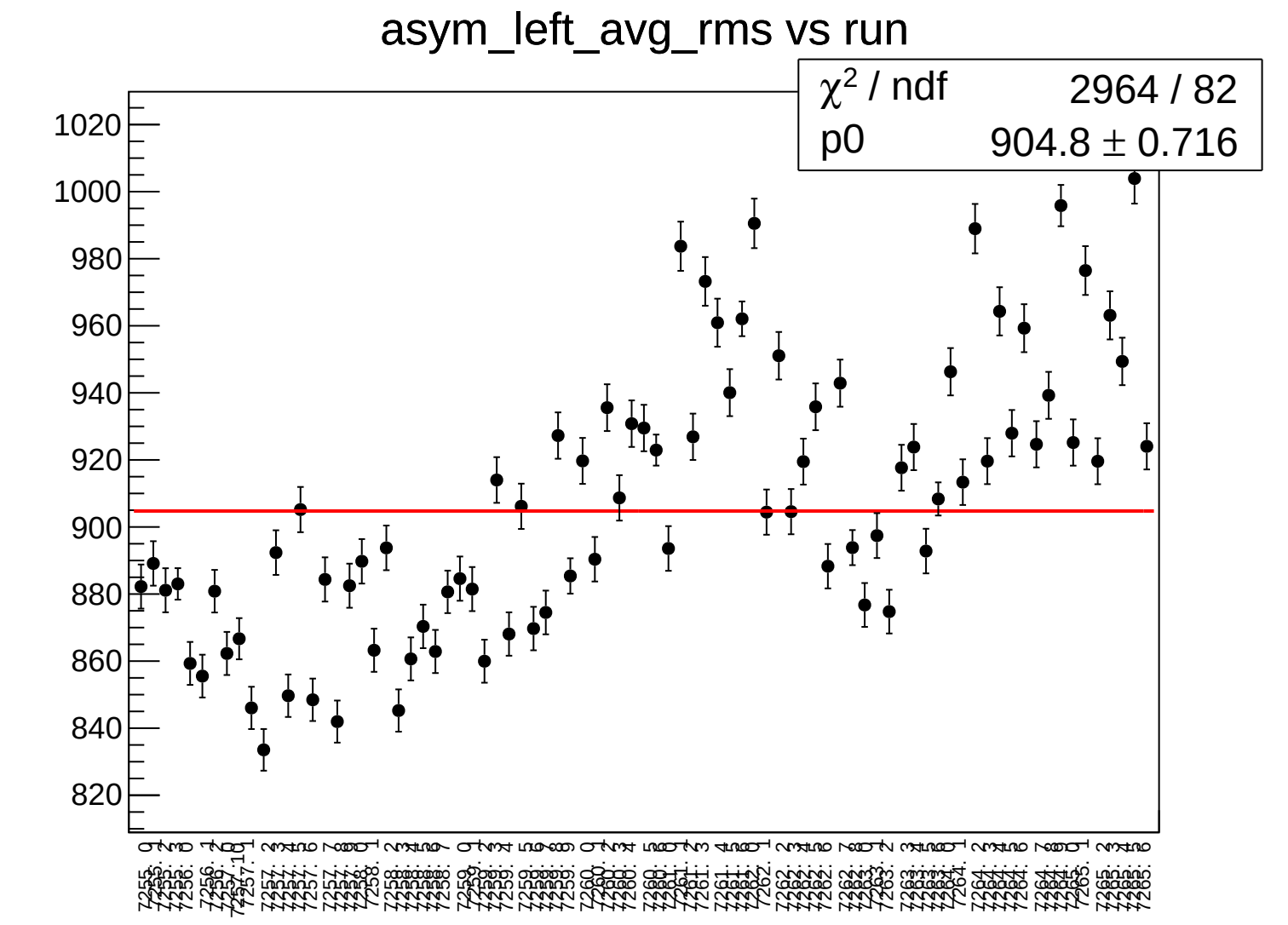

reg_asym_left_avg_rms vs run
χ² / ndf 68.53 / 82
p0 556.6 ± 0.4401
570
565
560
555
550
545

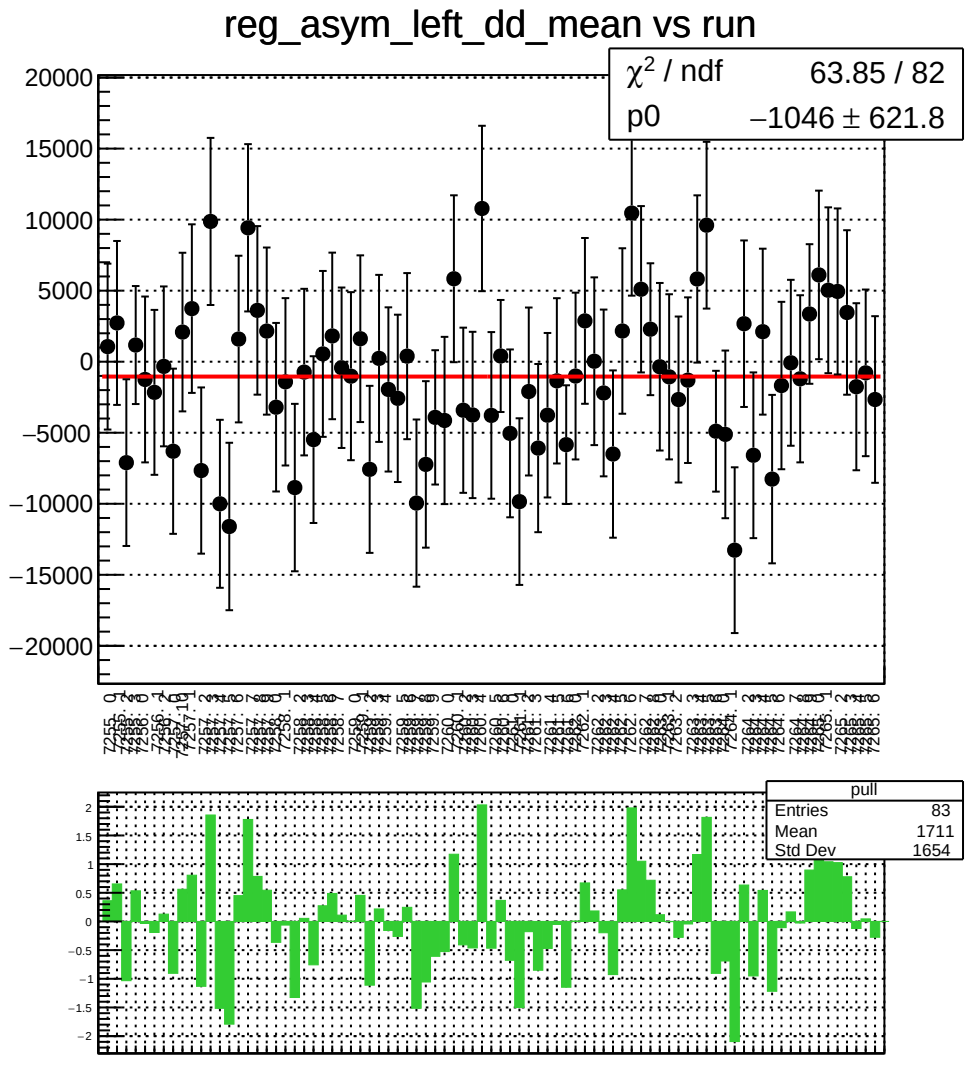

asym_left_avg_correction_mean vs run
χ² / ndf 68.43 / 82
p0 157 ± 795.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −87.11
Std Dev 141.1
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.01646
Std Dev 0.9078
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

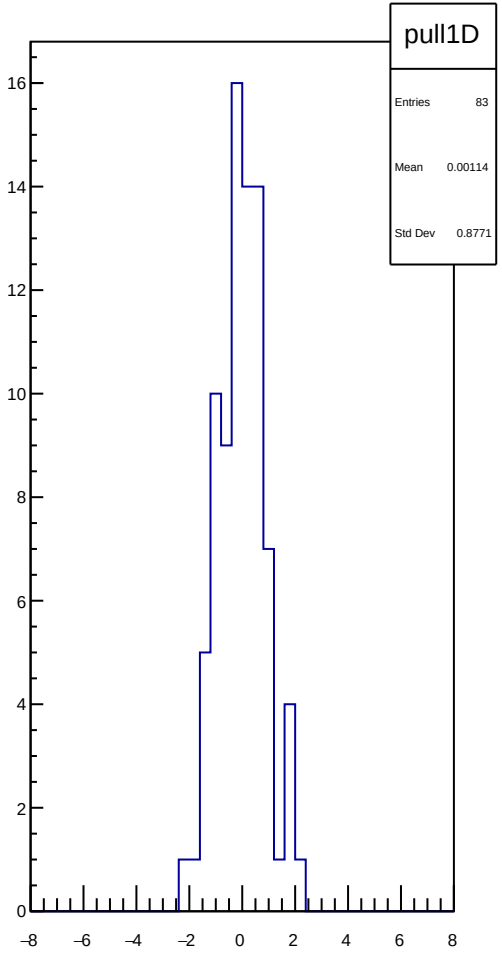

asym_left_avg_correction_rms vs run
χ² / ndf 7647 / 82
p0 710 ± 0.5627
850
800
750
700
650
600

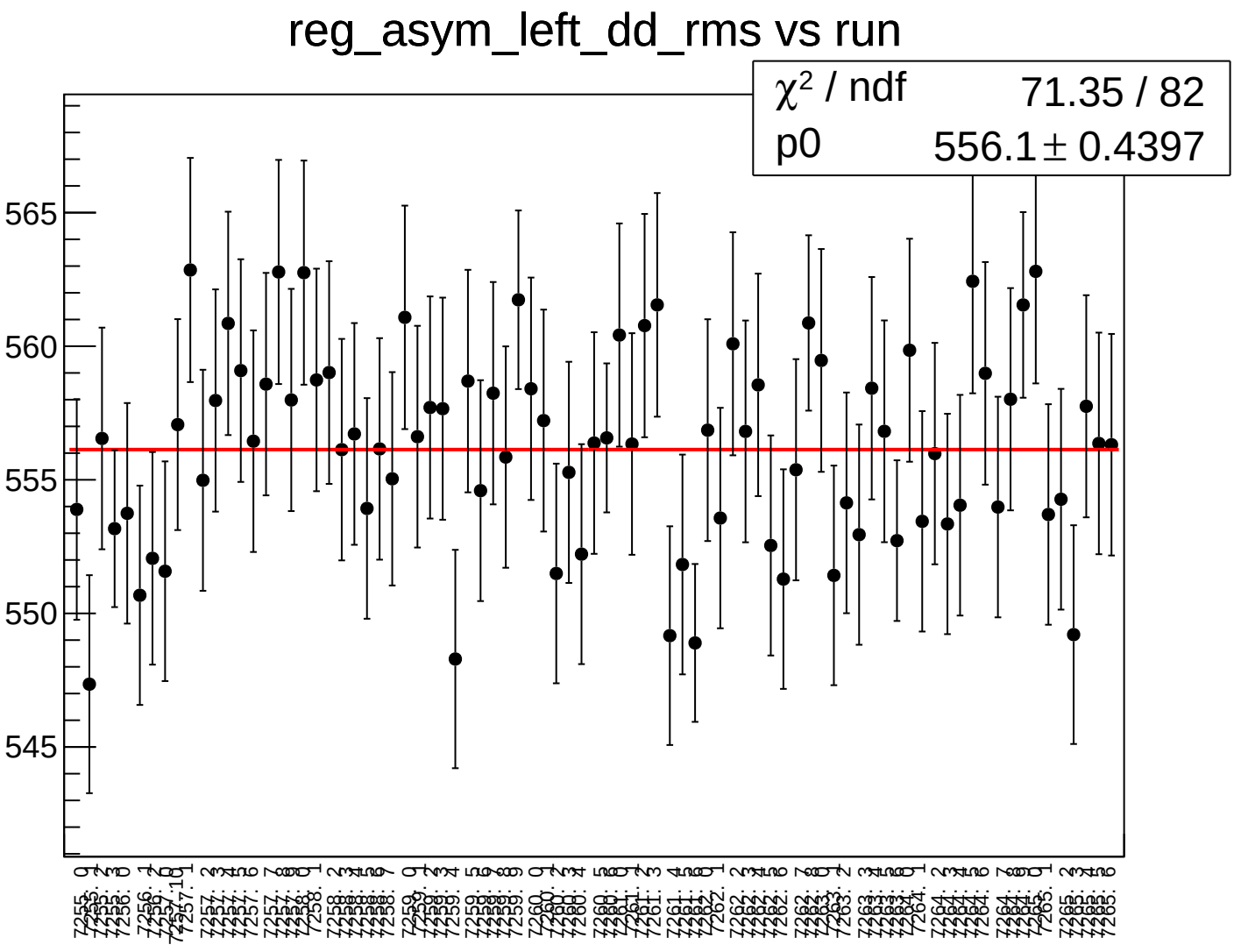

asym_left_avg_mean vs run
χ² / ndf 60.11 / 82
p0 −1424 ± 1013
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −180.9
Std Dev 240.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

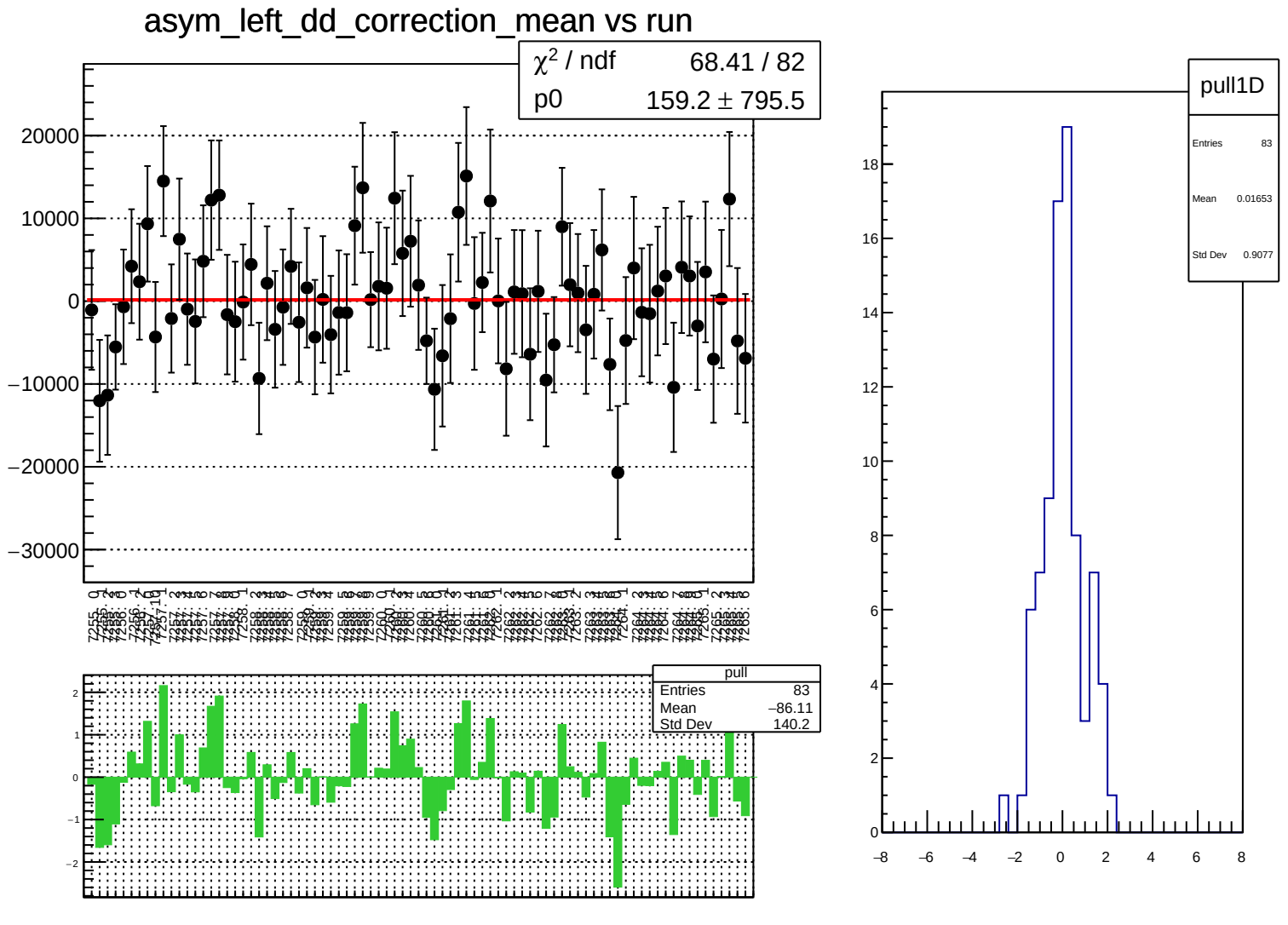

pull1D
Entries 83
Mean −0.01061
Std Dev 0.8509
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

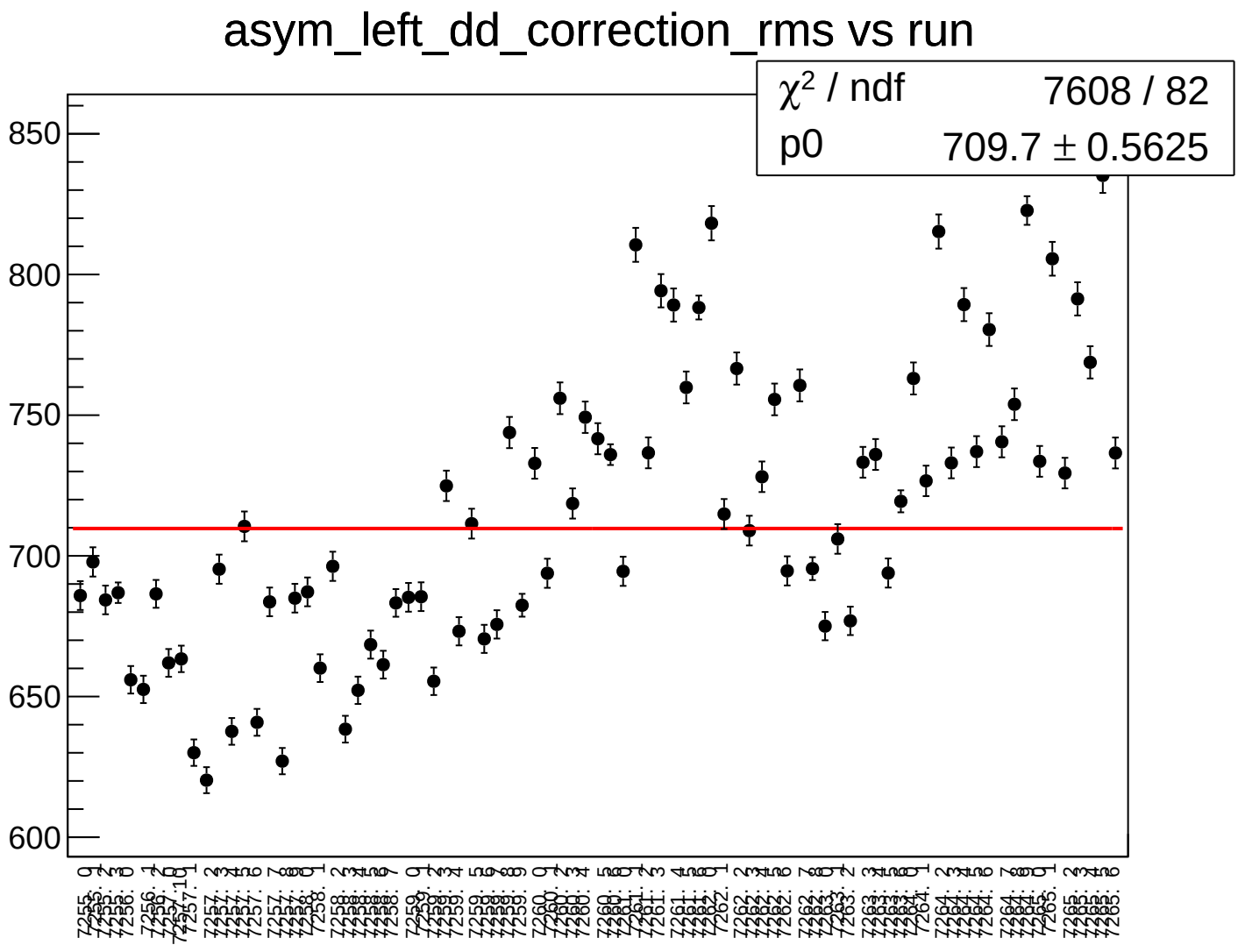

asym_left_avg_rms vs run
χ² / ndf 2964 / 82
p0 904.8 ± 0.716
1020
1000
980
960
940
920
900
880
860
840
820

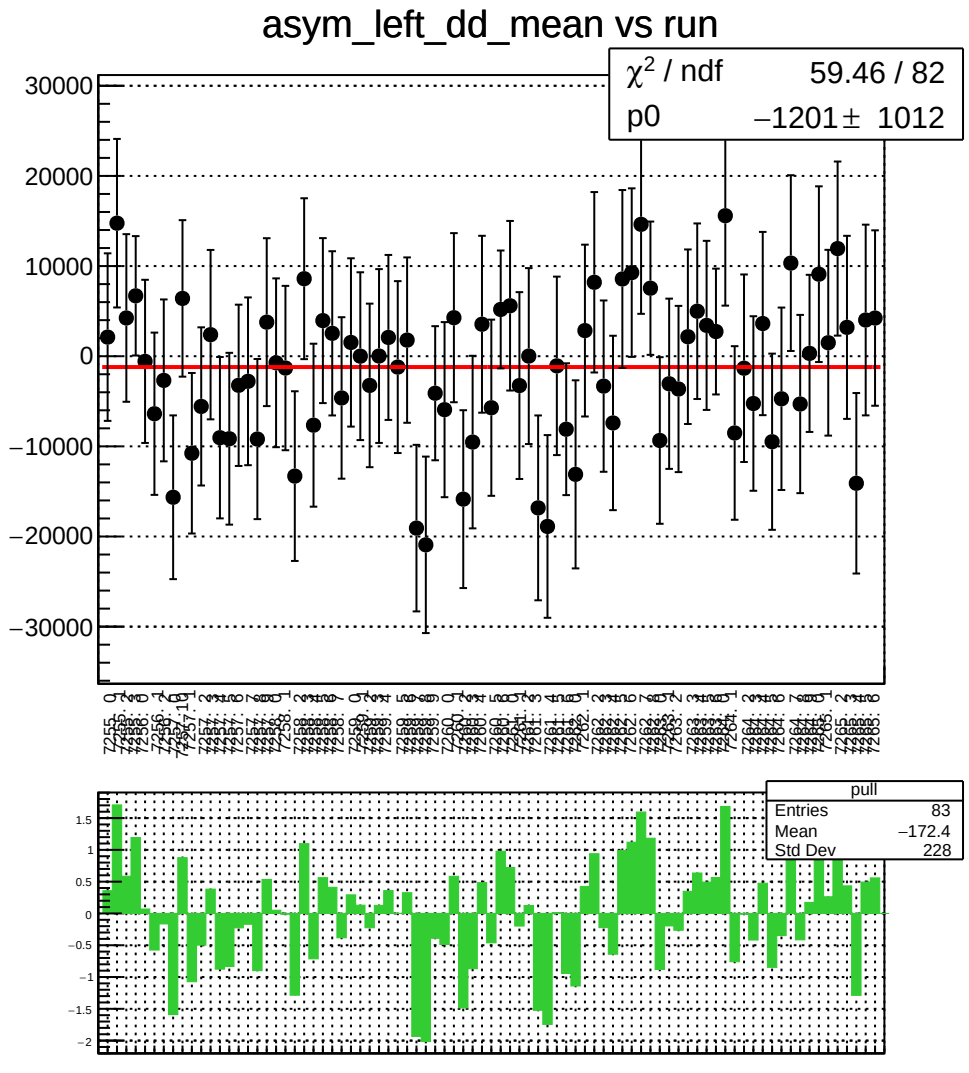

reg_asym_left_dd_mean vs run
χ² / ndf 63.85 / 82
p0 −1046 ± 621.8
pull
Entries 83
Mean 1711
Std Dev 1654

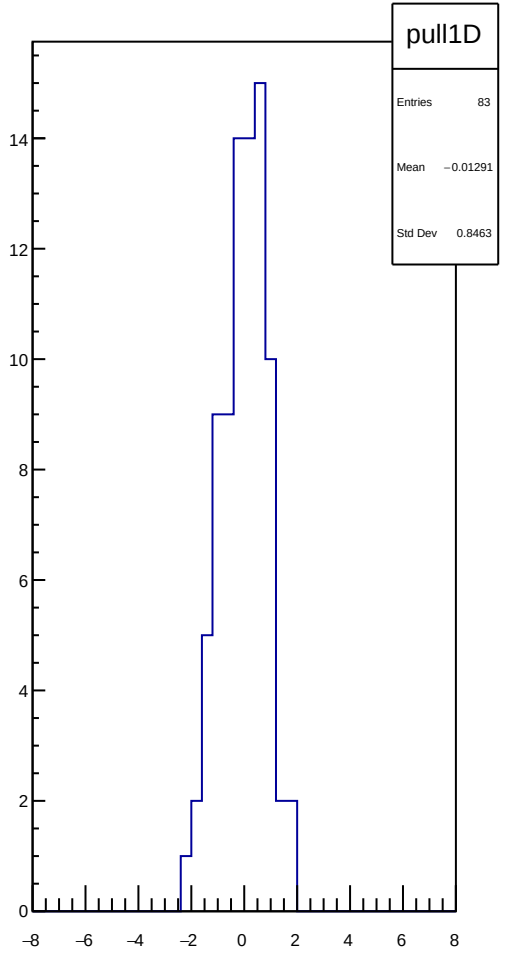

pull1D
Entries 83
Mean 0.00114
Std Dev 0.8771

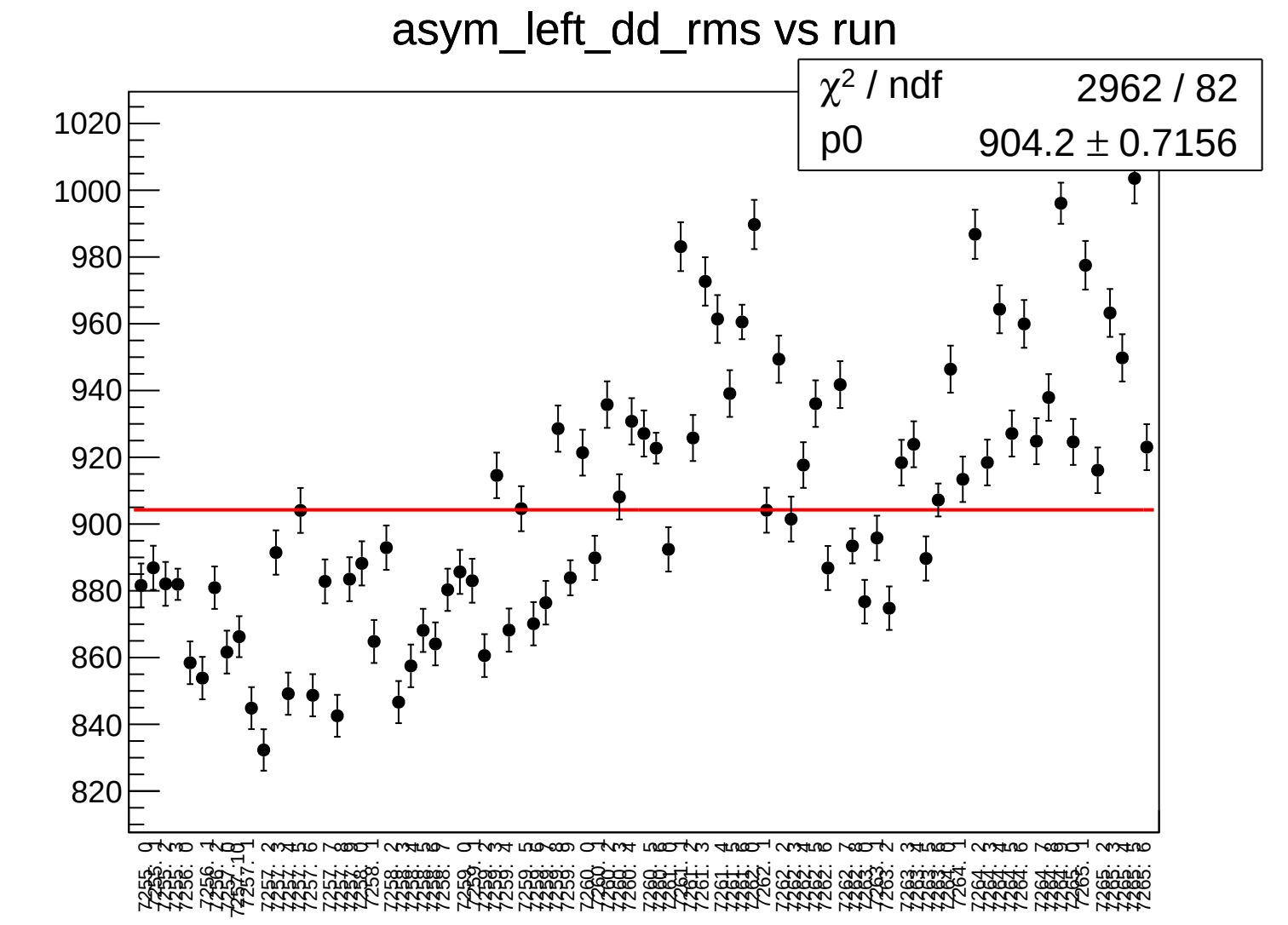

reg_asym_left_dd_rms vs run
χ² / ndf 71.35 / 82
p0 556.1 ± 0.4397
565
560
555
550
545

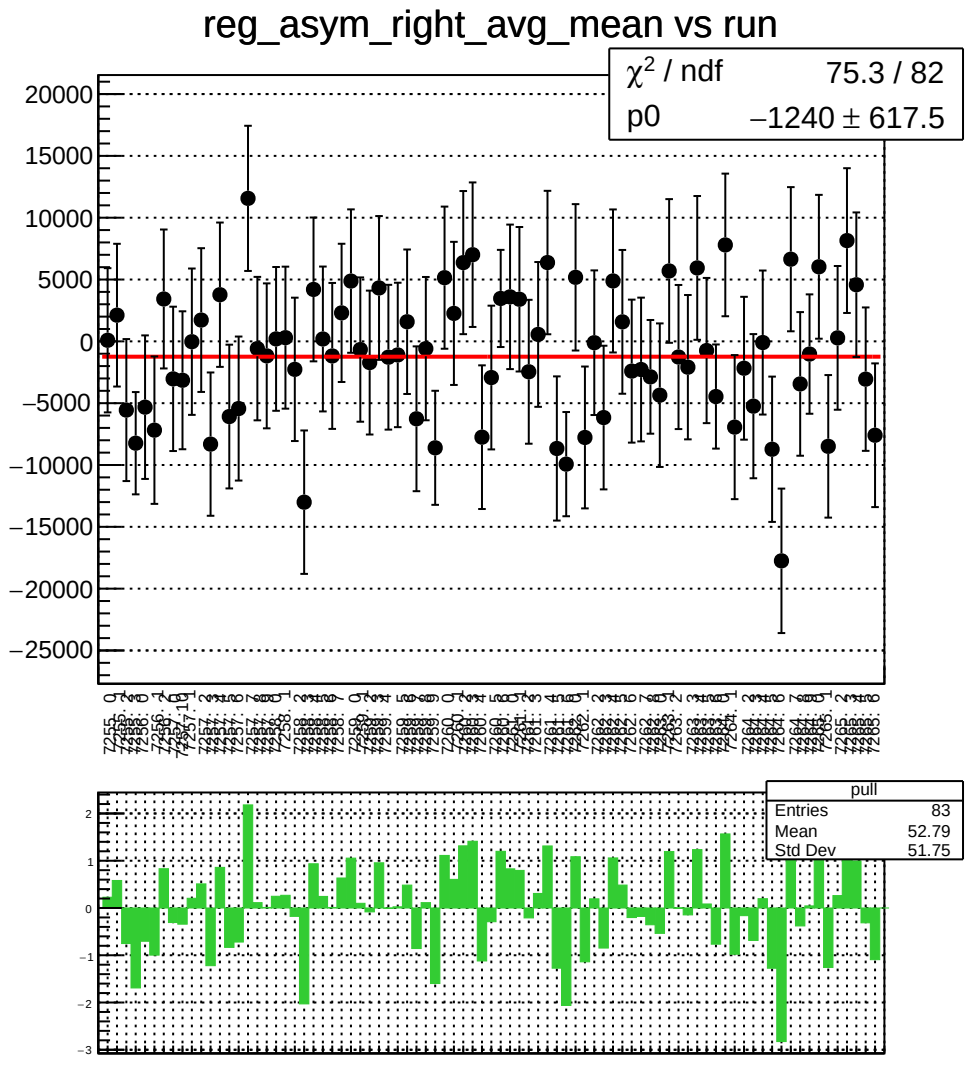

asym_left_dd_correction_mean vs run
χ^2 / ndf 68.41 / 82
p0 159.2 ± 795.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −86.11
Std Dev 140.2
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.01653
Std Dev 0.9077
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

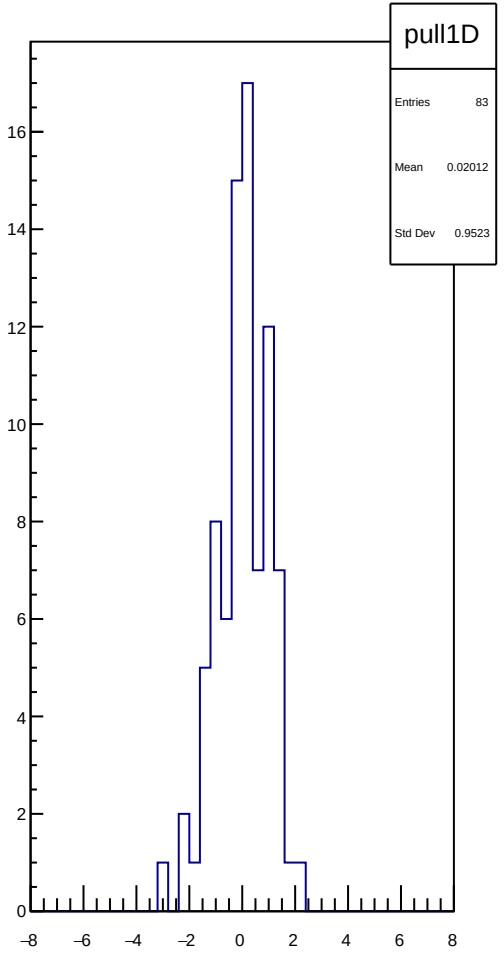

asym_left_dd_correction_rms vs run
χ² / ndf 7608 / 82
p0 709.7 ± 0.5625
850
800
750
700
650
600

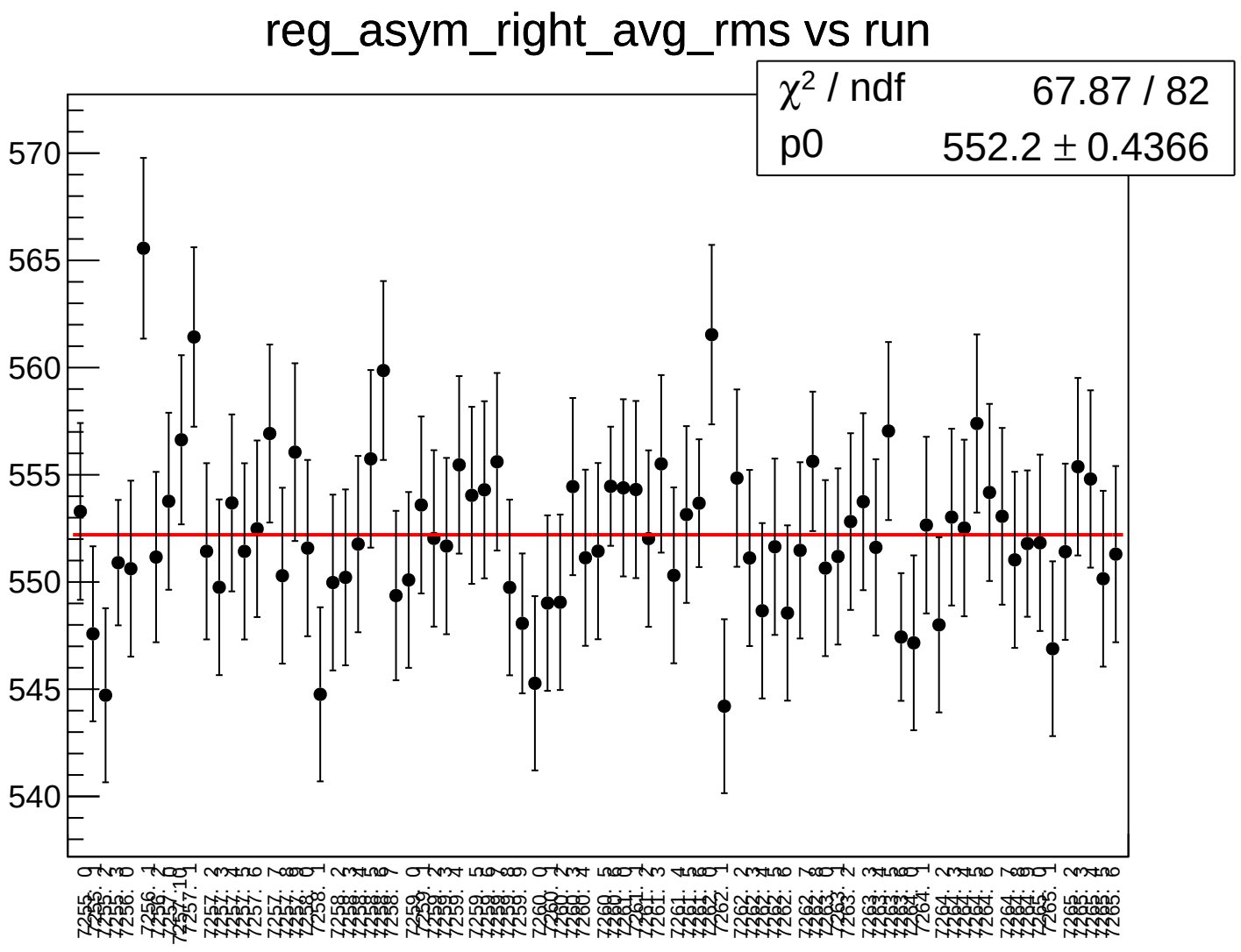

asym_left_dd_mean vs run
χ² / ndf 59.46 / 82
p0 −1201 ± 1012
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −172.4
Std Dev 228
1.5
1
0.5
0
−0.5
−1
−1.5
−2

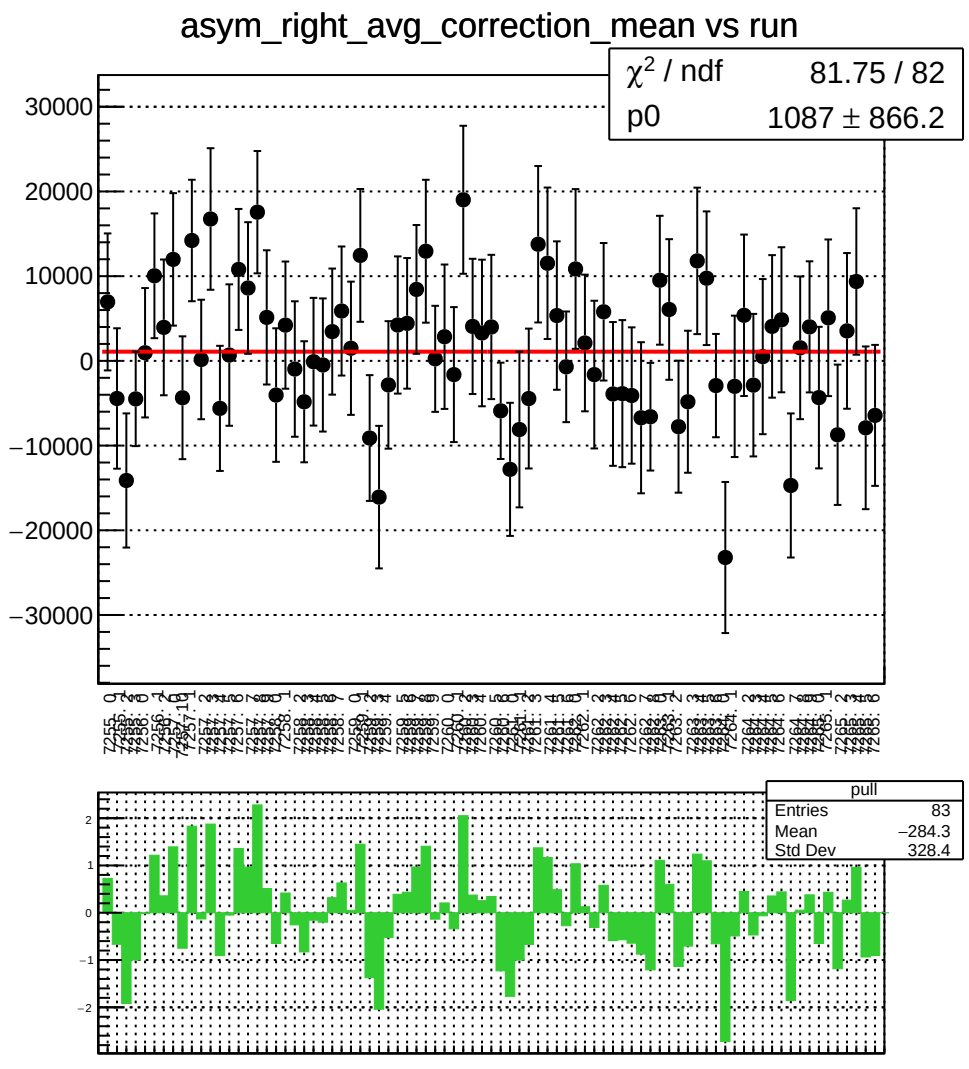

pull1D
Entries 83
Mean −0.01291
Std Dev 0.8463
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

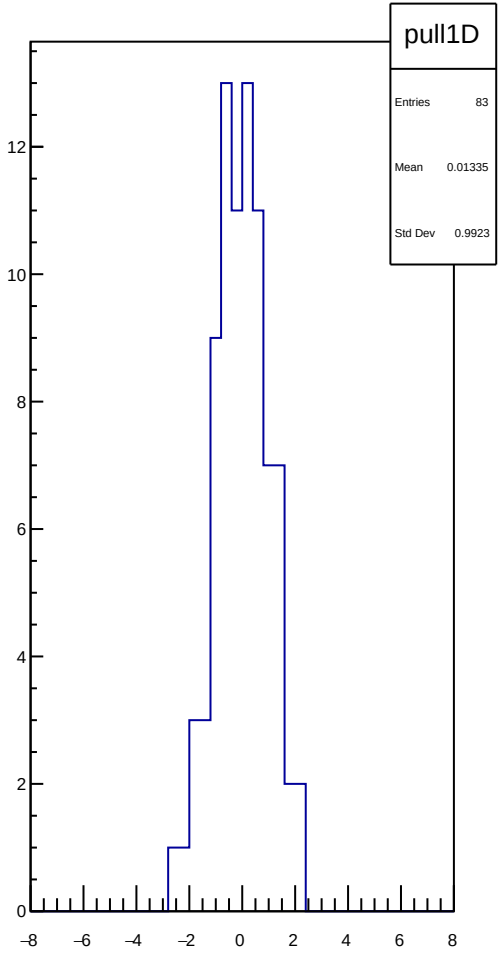

asym_left_dd_rms vs run
χ² / ndf 2962 / 82
p0 904.2 ± 0.7156
1020
1000
980
960
940
920
900
880
860
840
820

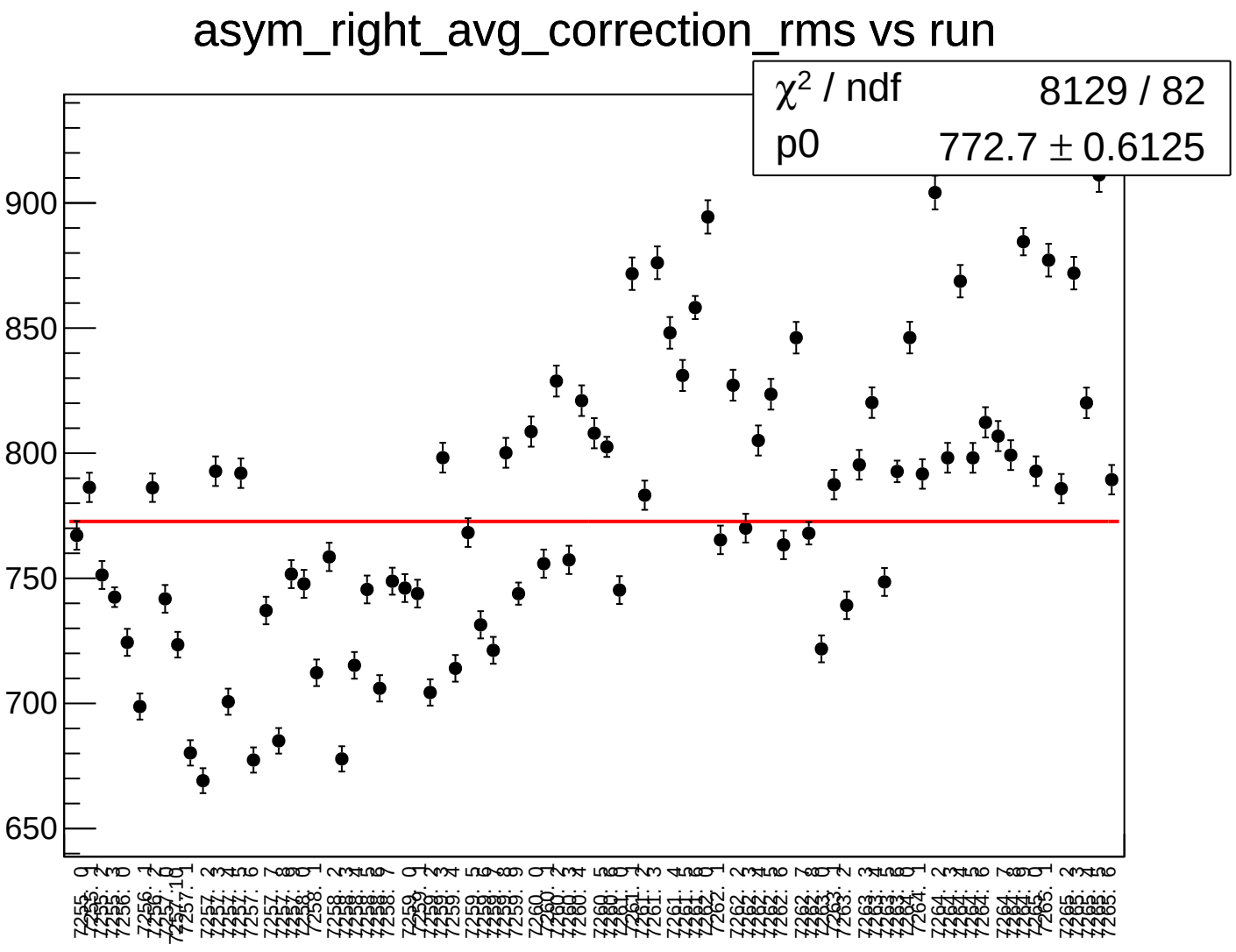

reg_asym_right_avg_mean vs run
χ² / ndf 75.3 / 82
p0 −1240 ± 617.5
pull
Entries 83
Mean 52.79
Std Dev 51.75

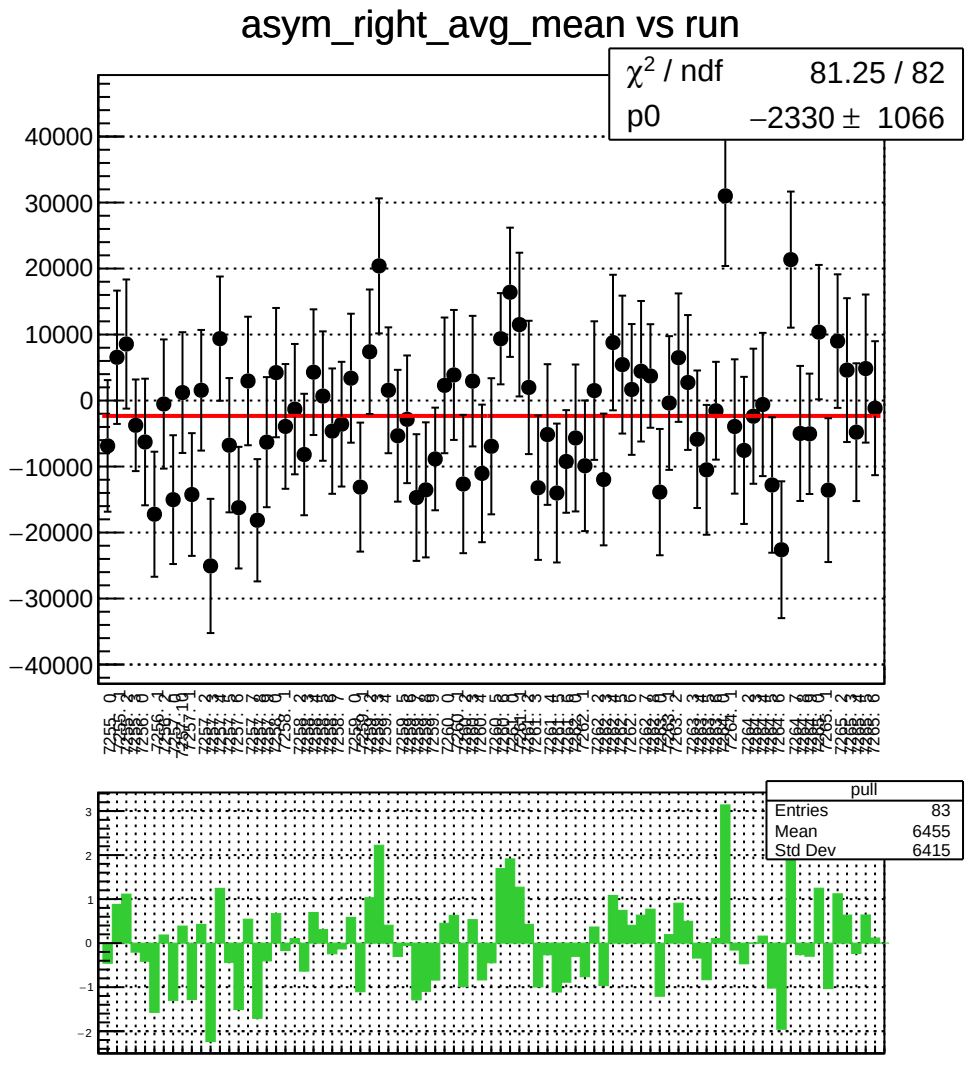

pull1D
Entries 83
Mean 0.02012
Std Dev 0.9523

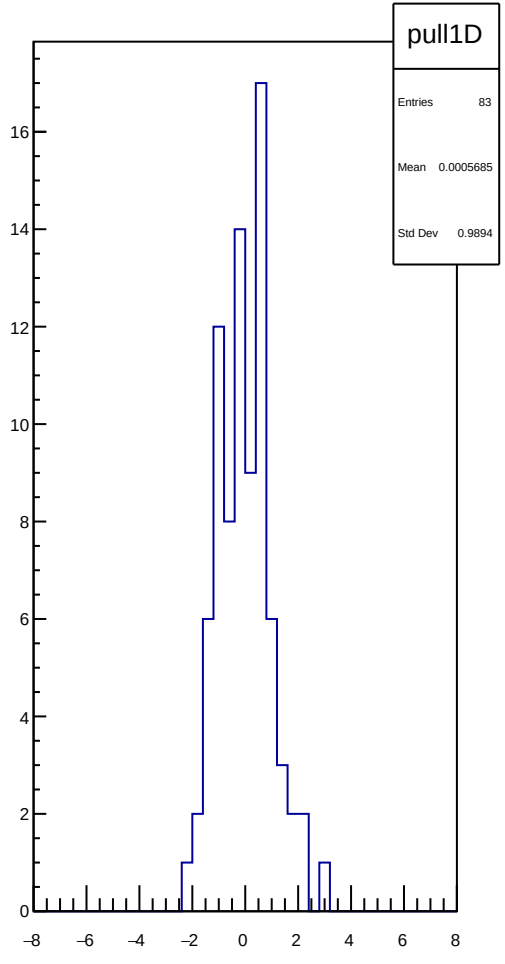

reg_asym_right_avg_rms vs run
χ^2 / ndf 67.87 / 82
p0 552.2 ± 0.4366
570
565
560
555
550
545
540

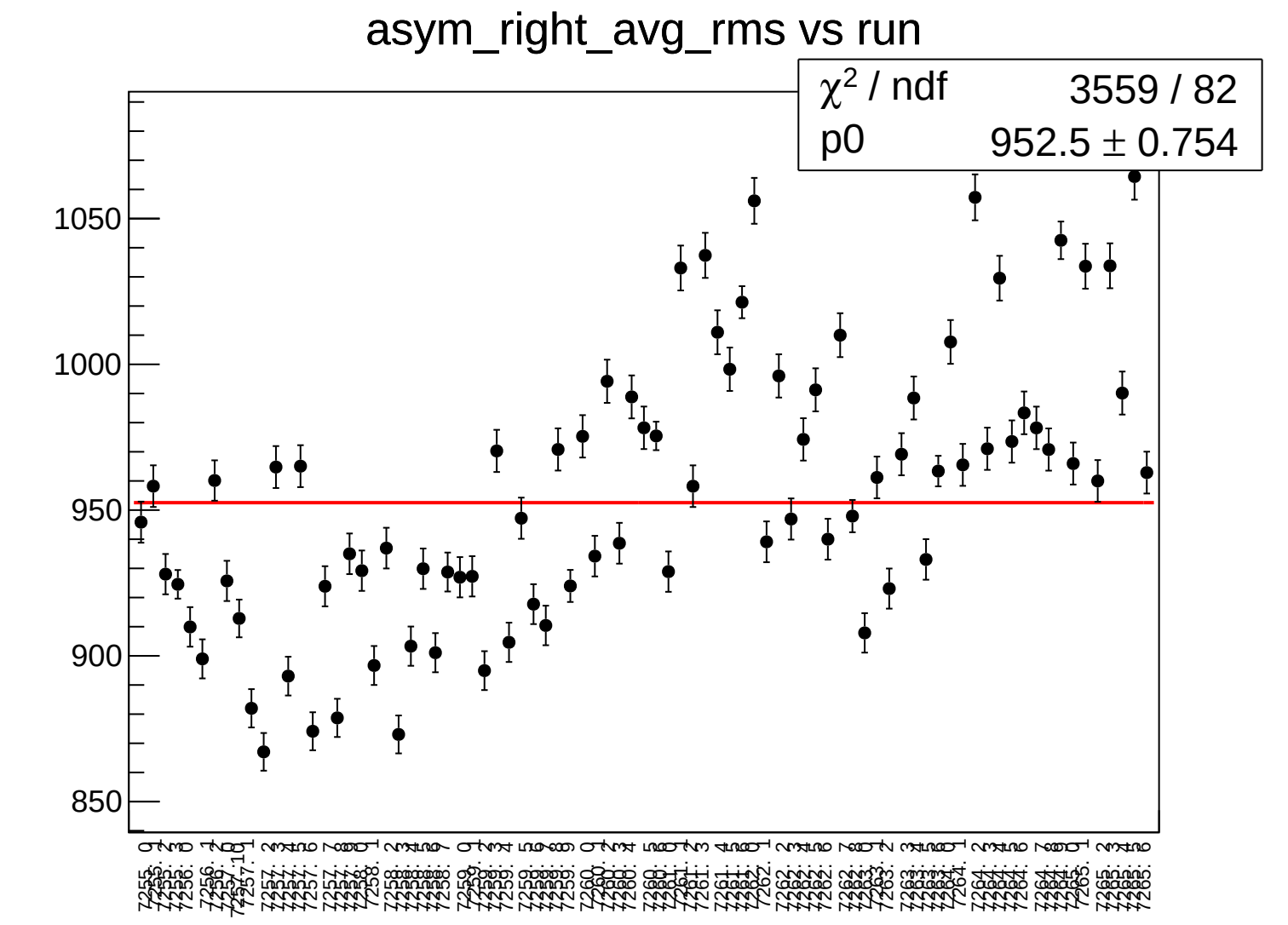

asym_right_avg_correction_mean vs run
χ² / ndf 81.75 / 82
p0 1087 ± 866.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −284.3
Std Dev 328.4
2
1
0
−1
−2

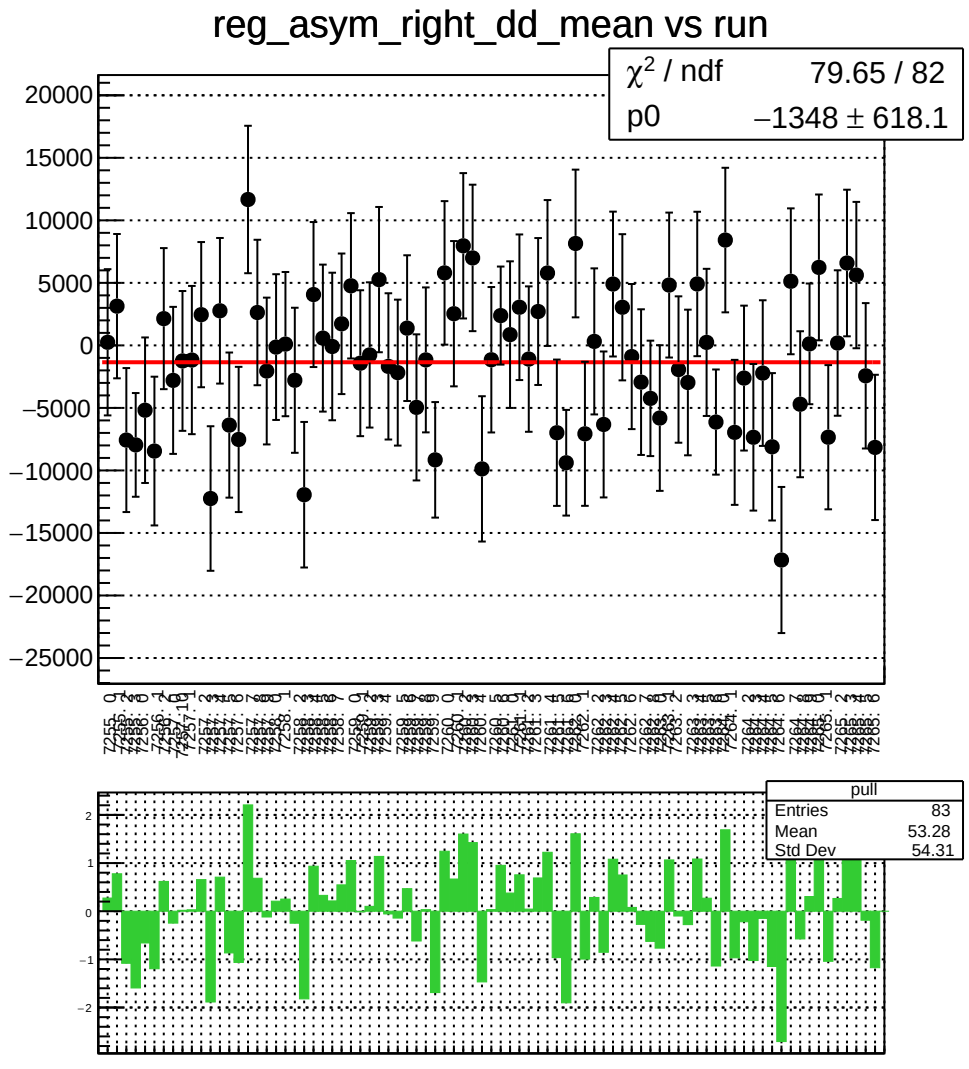

pull1D
Entries 83
Mean 0.01335
Std Dev 0.9923
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

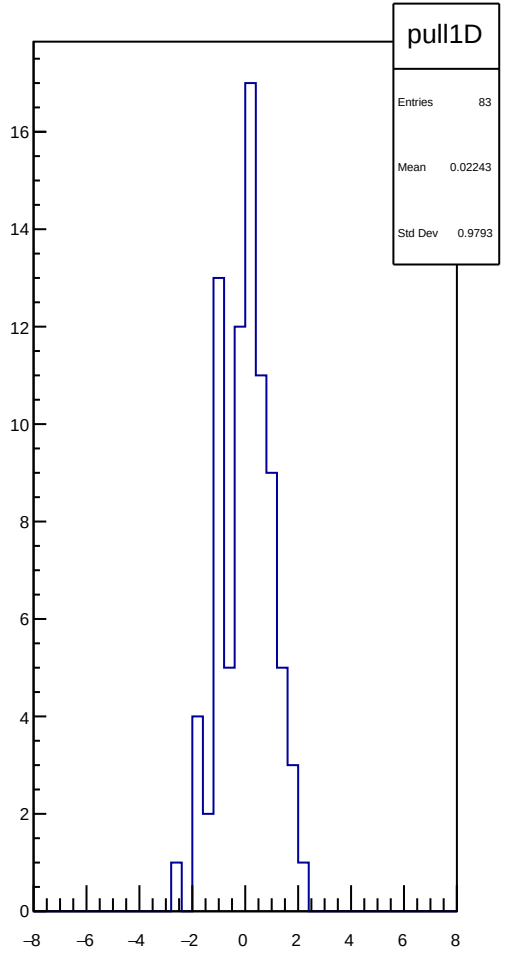

asym_right_avg_correction_rms vs run
χ² / ndf 8129 / 82
p0 772.7 ± 0.6125
900
850
800
750
700
650

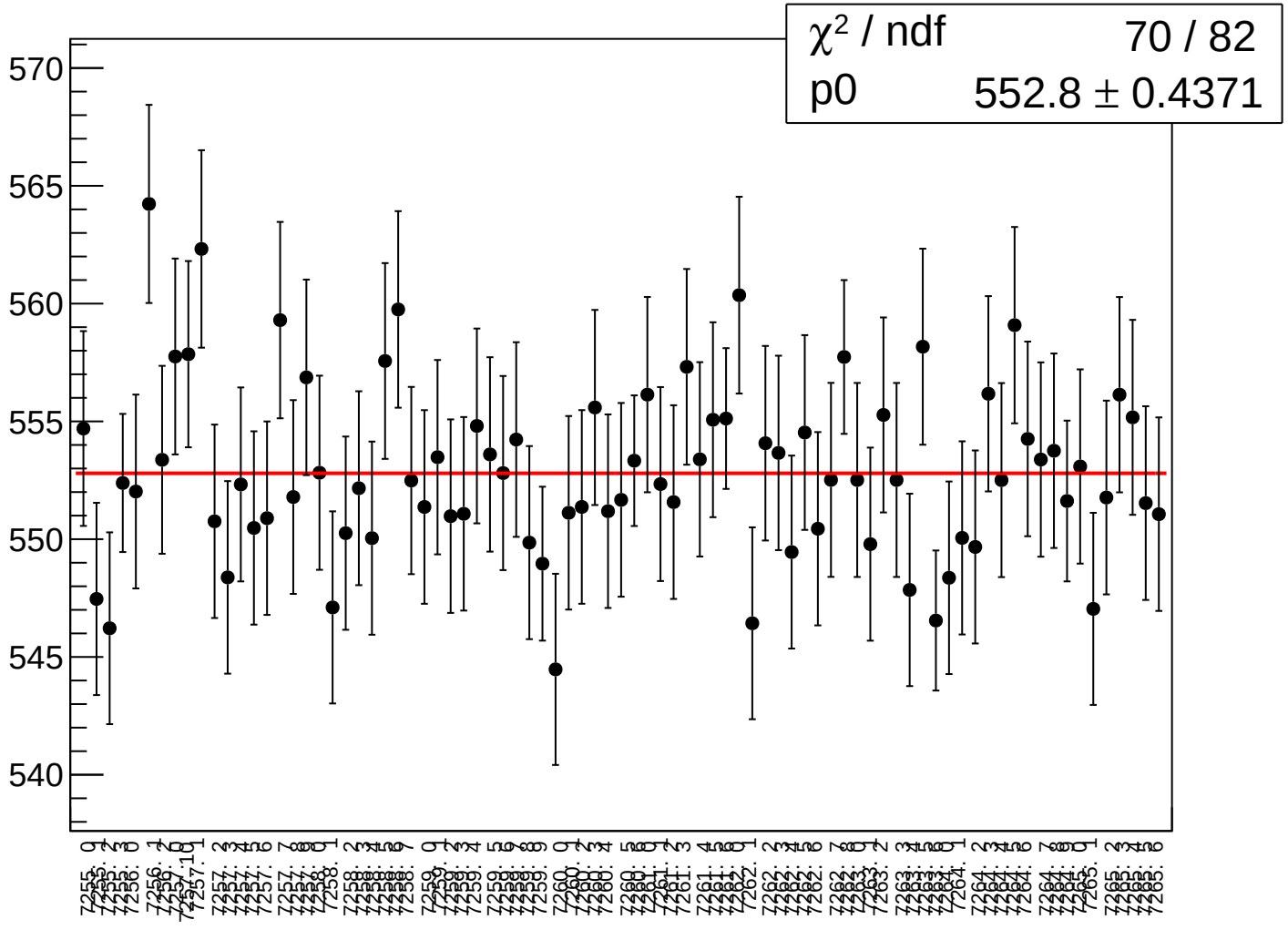

asym_right_avg_mean vs run
χ² / ndf 81.25 / 82
p0 −2330 ± 1066
pull
Entries 83
Mean 6455
Std Dev 6415

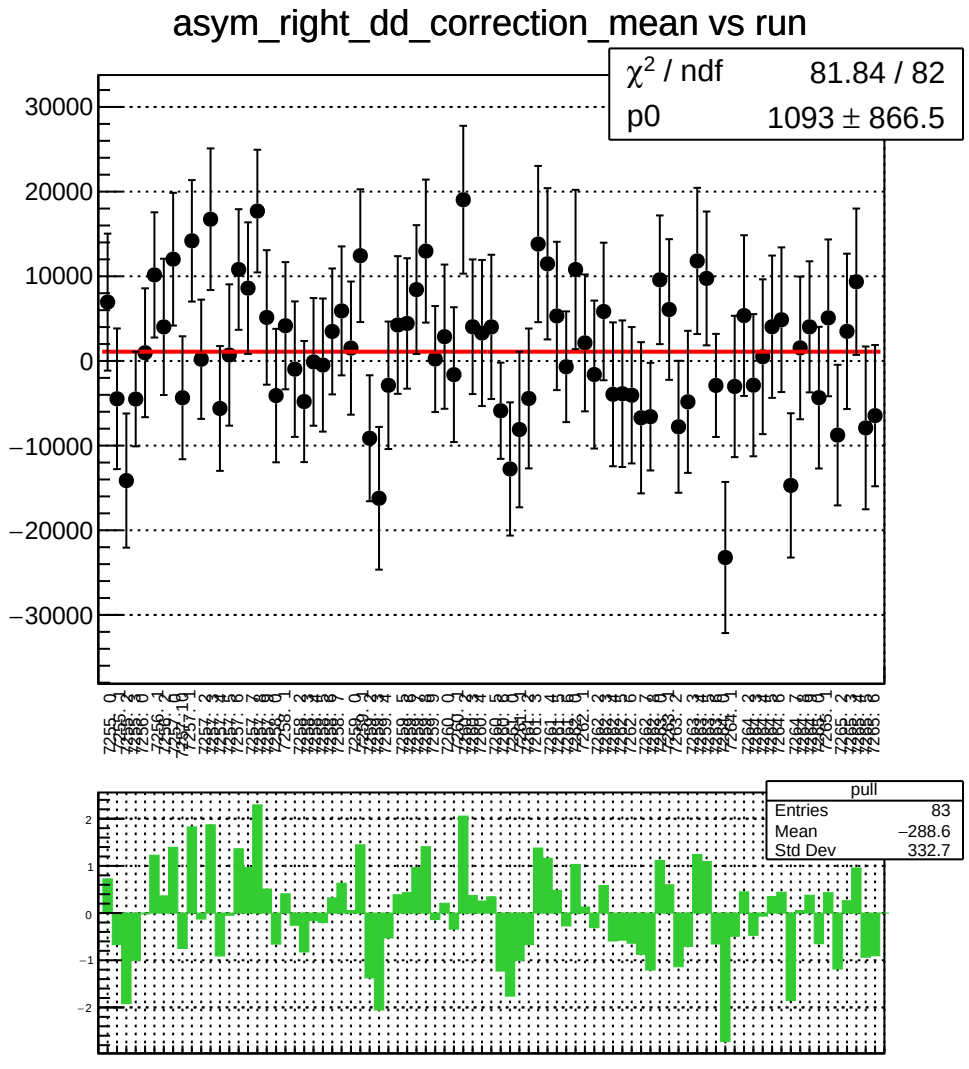

pull1D
Entries 83
Mean 0.0005685
Std Dev 0.9894

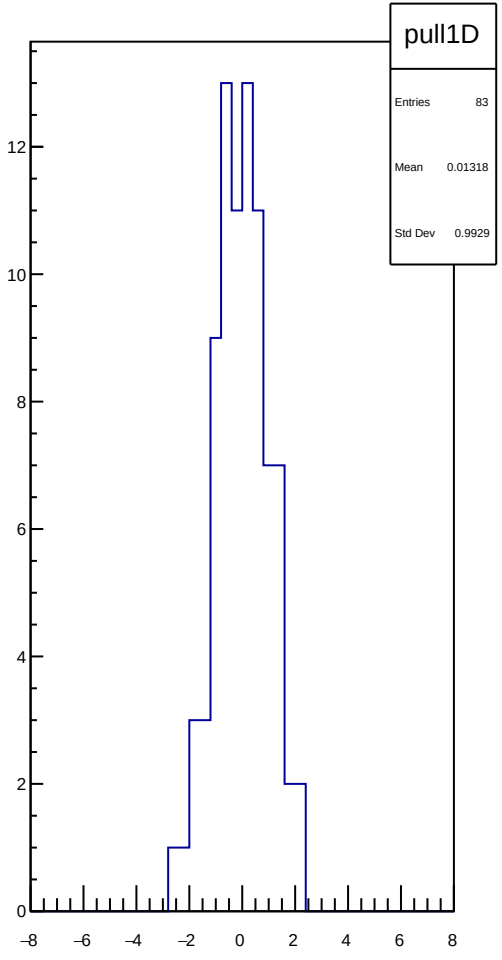

asym_right_avg_rms vs run
χ^2 / ndf 3559 / 82
p0 952.5 ± 0.754
1050
1000
950
900
850

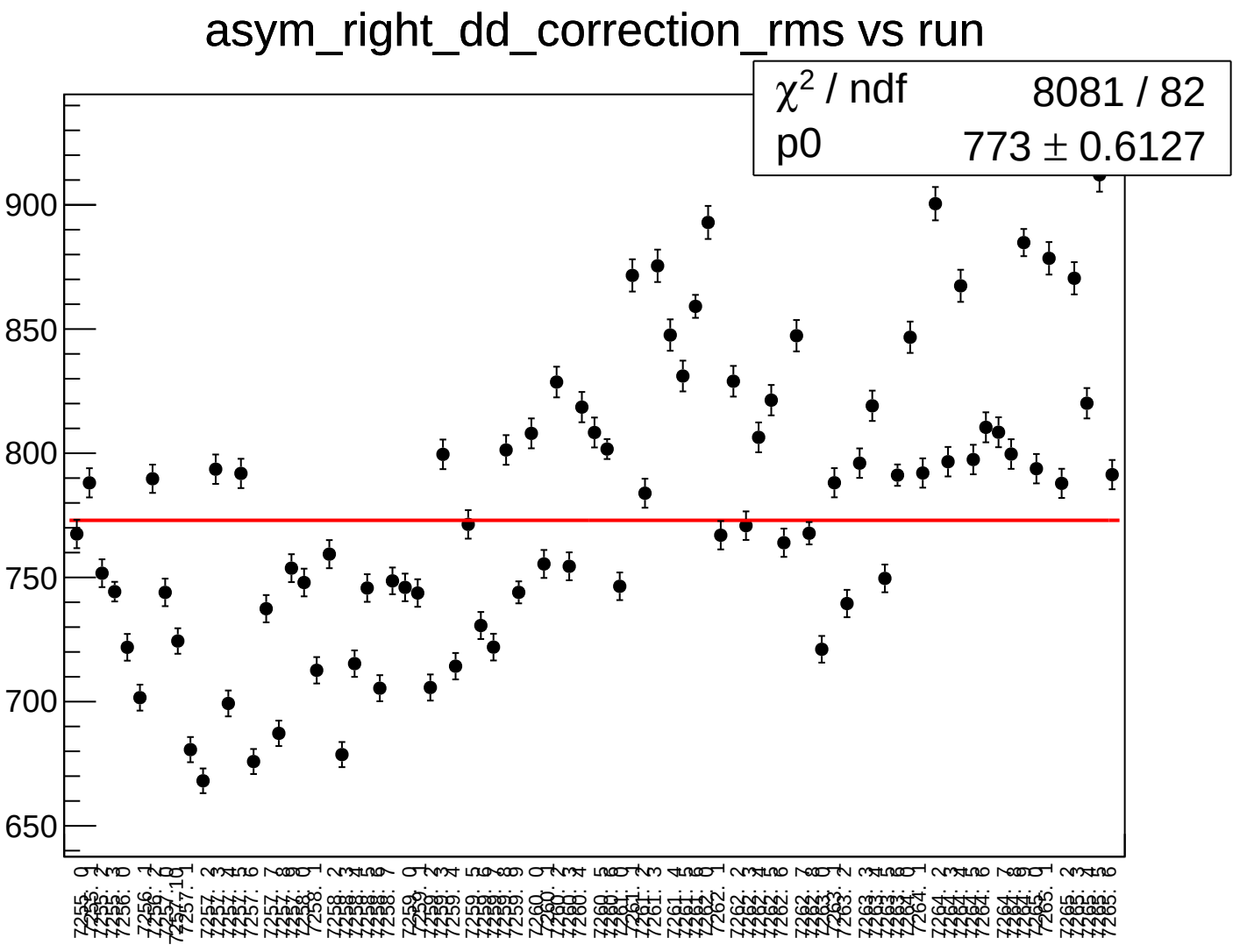

reg_asym_right_dd_mean vs run
χ² / ndf 79.65 / 82
p0 −1348 ± 618.1
pull
Entries 83
Mean 53.28
Std Dev 54.31

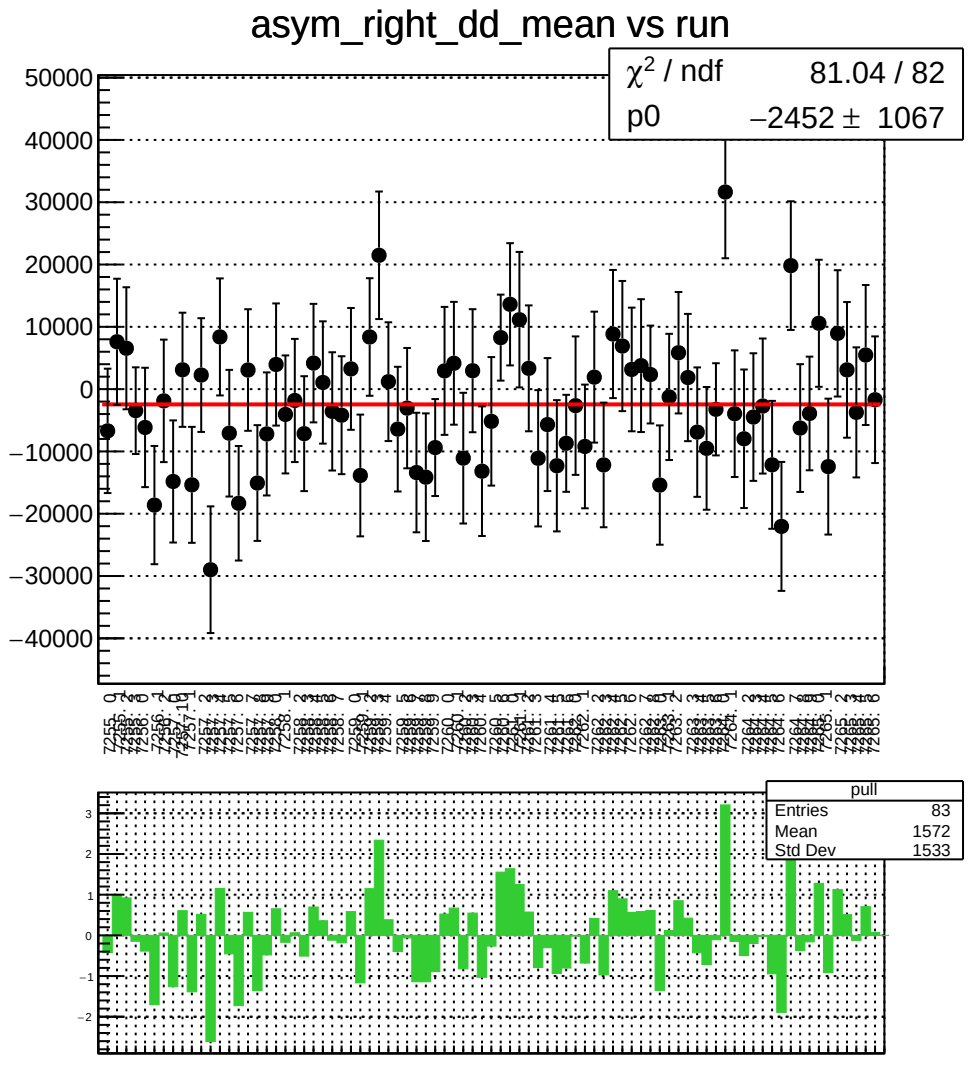

pull1D
Entries 83
Mean 0.02243
Std Dev 0.9793

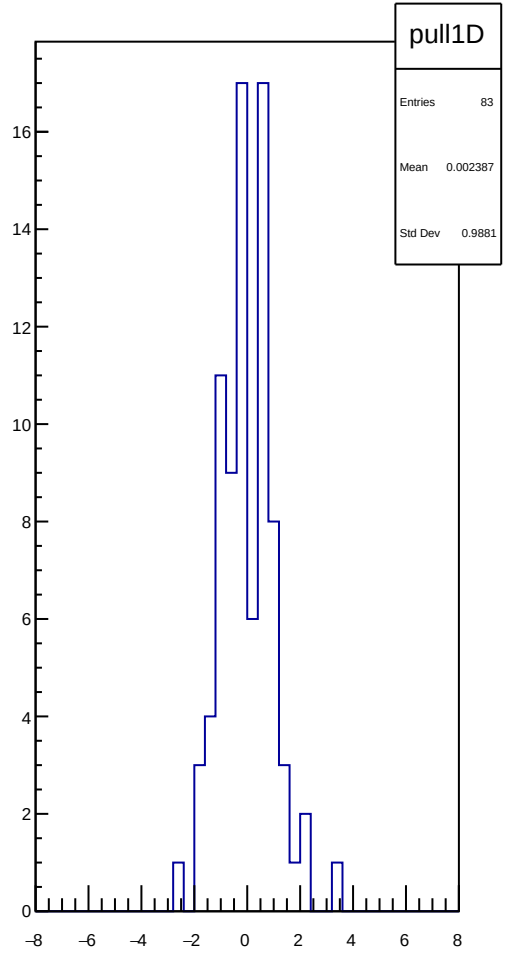

reg_asym_right_dd_rms vs run
χ² / ndf 70 / 82
p0 552.8 ± 0.4371
570
565
560
555
550
545
540

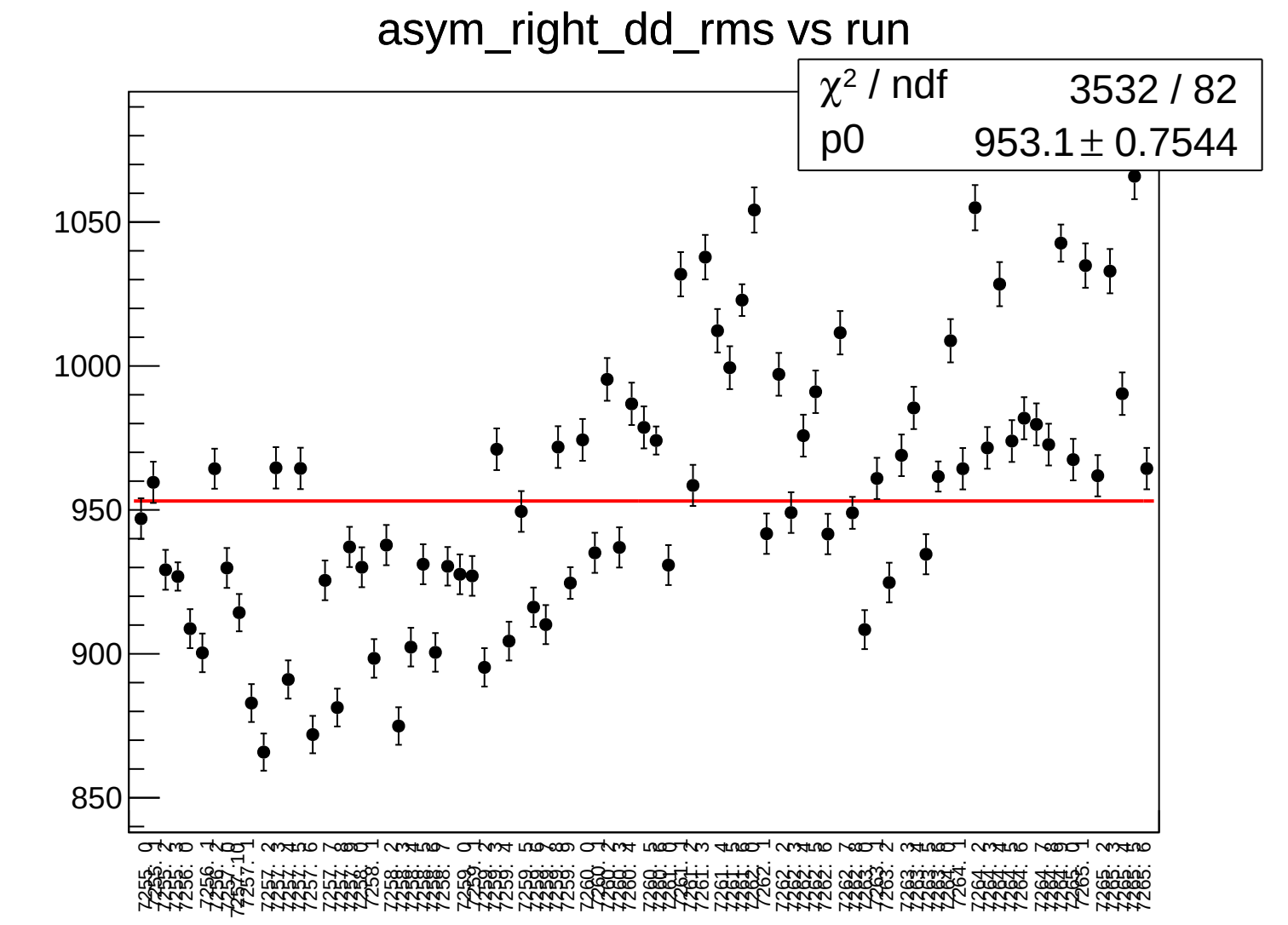

asym_right_dd_correction_mean vs run
χ² / ndf 81.84 / 82
p0 1093 ± 866.5
pull
Entries 83
Mean −288.6
Std Dev 332.7

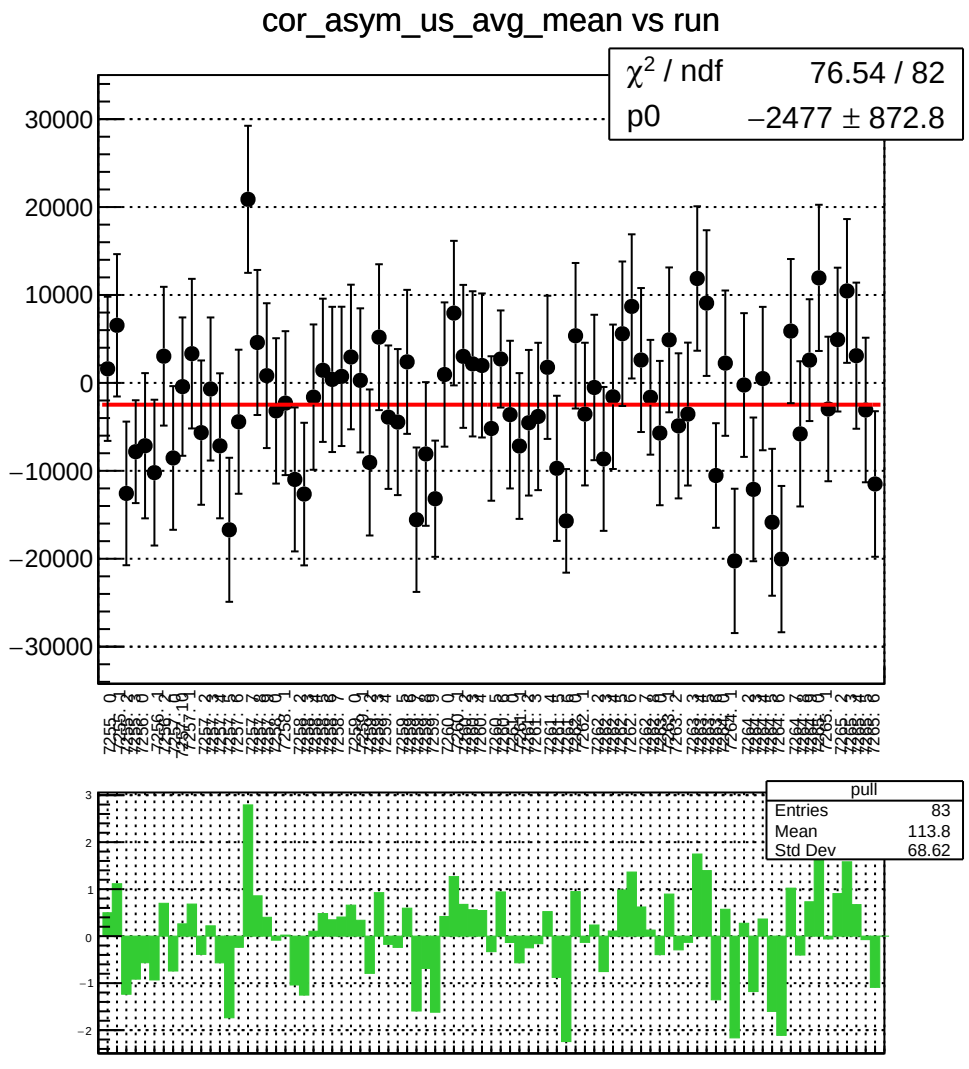

pull1D
Entries 83
Mean 0.01318
Std Dev 0.9929

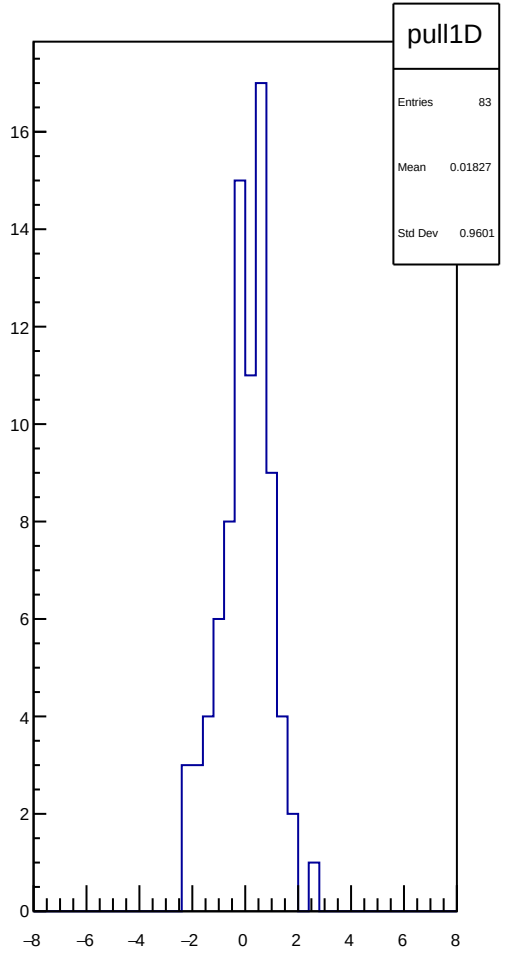

asym_right_dd_correction_rms vs run
χ² / ndf 8081 / 82
p0 773 ± 0.6127
900
850
800
750
700
650

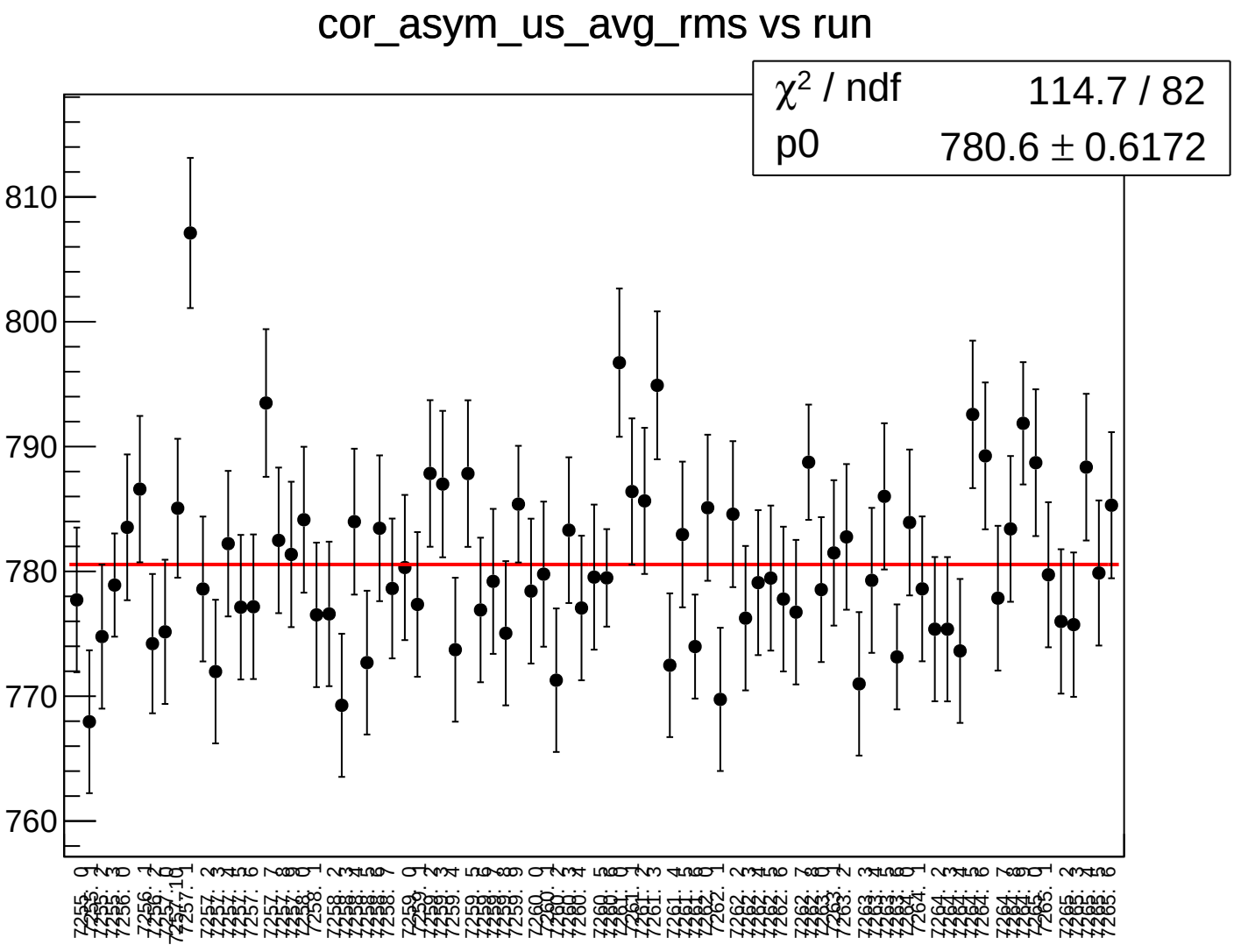

asym_right_dd_mean vs run
χ² / ndf 81.04 / 82
p0 −2452 ± 1067
pull
Entries 83
Mean 1572
Std Dev 1533

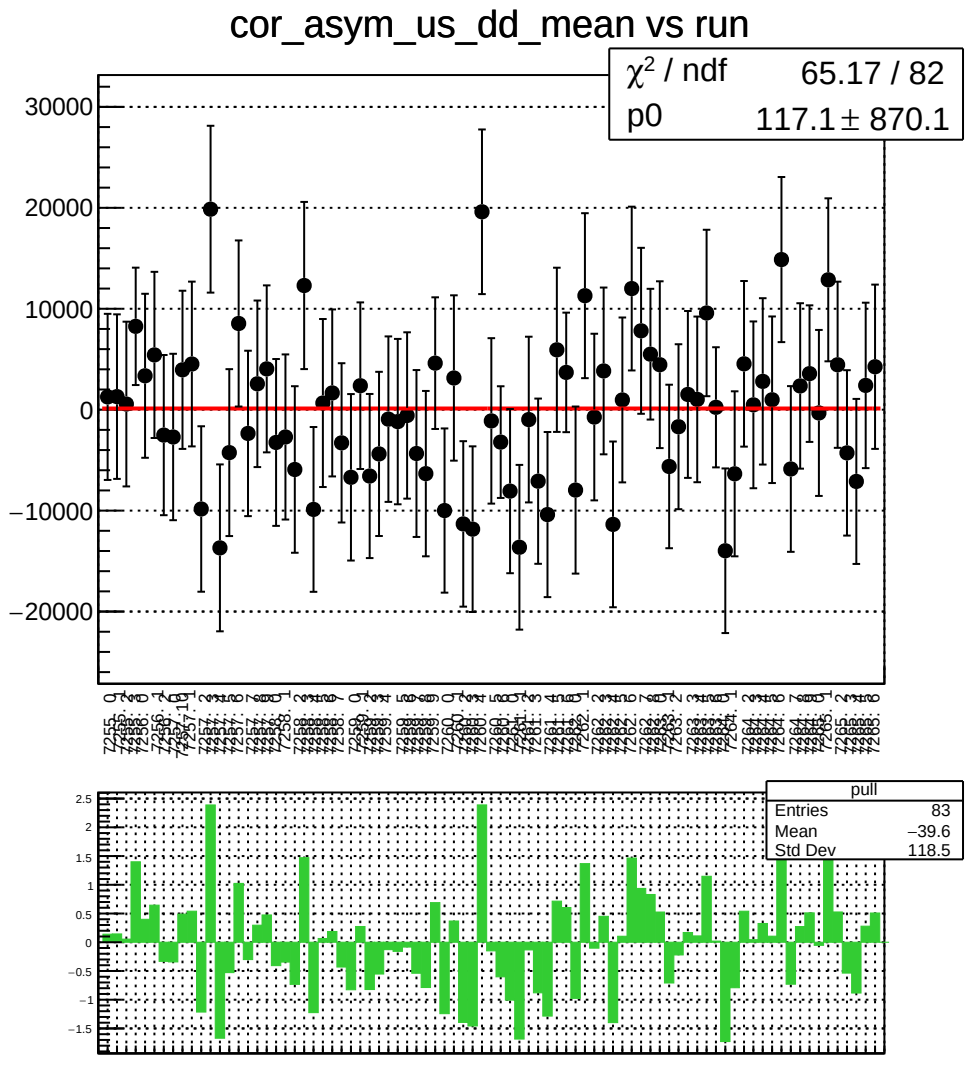

pull1D
Entries 83
Mean 0.002387
Std Dev 0.9881

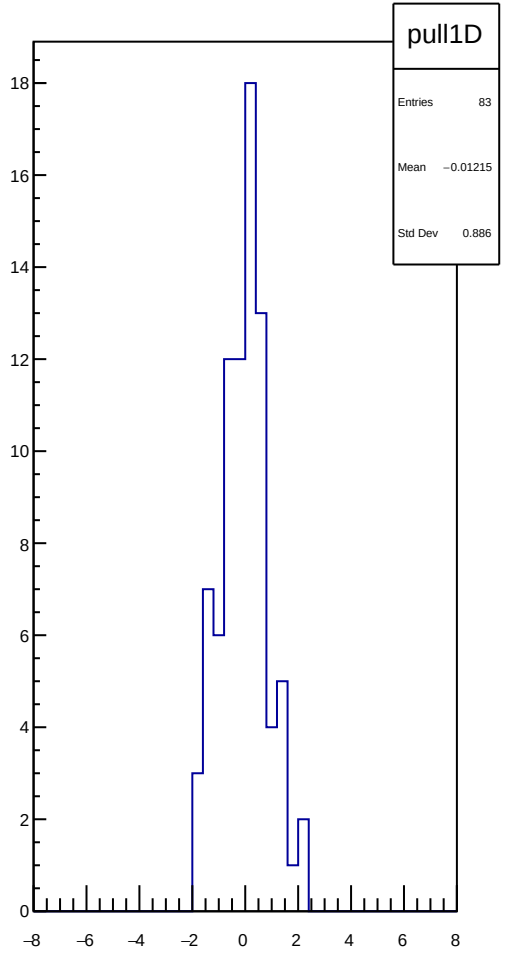

asym_right_dd_rms vs run
χ² / ndf 3532 / 82
p0 953.1 ± 0.7544
1050
1000
950
900
850

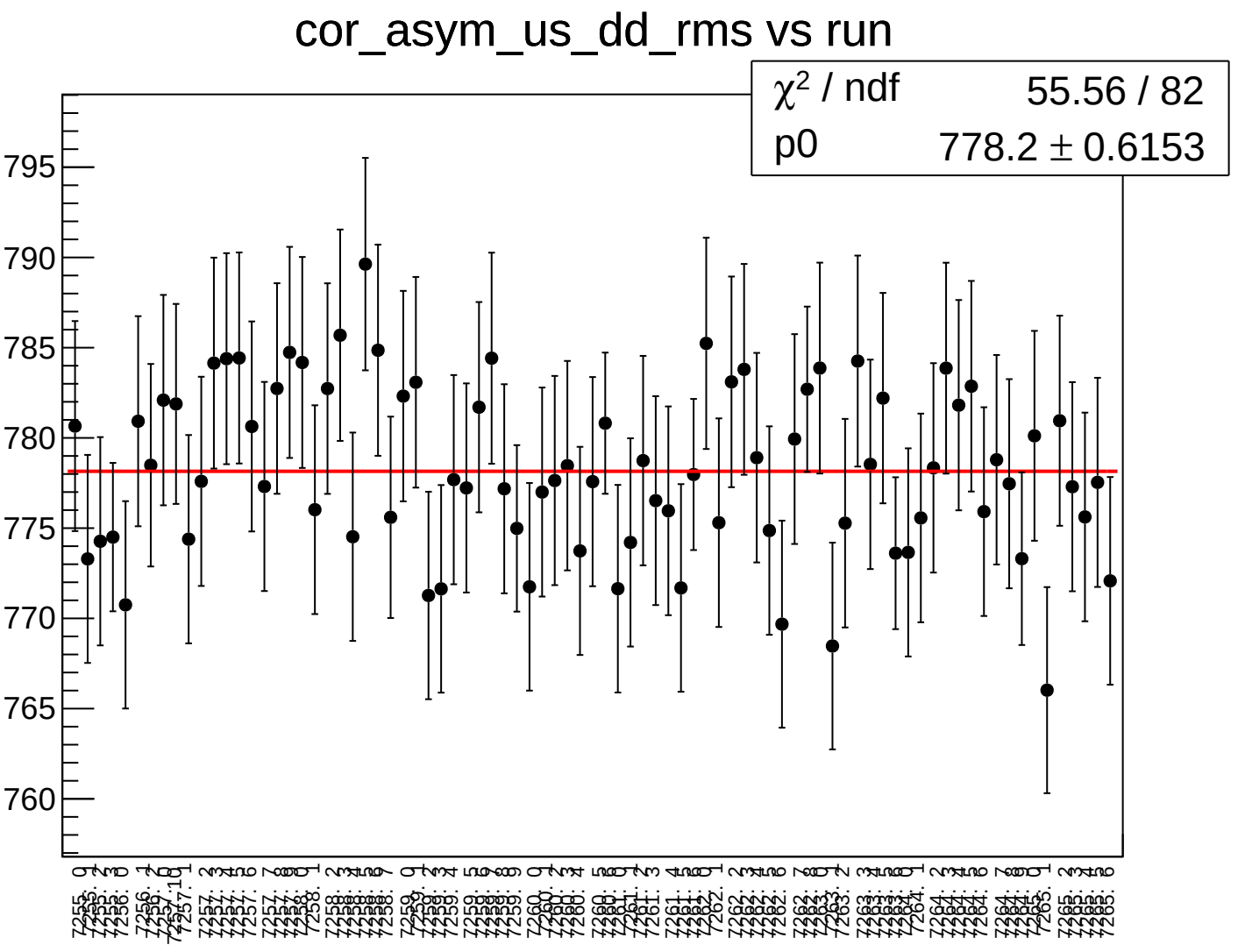

cor_asym_us_avg_mean vs run
χ² / ndf 76.54 / 82
p0 −2477 ± 872.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 113.8
Std Dev 68.62
3
2
1
0
−1
−2

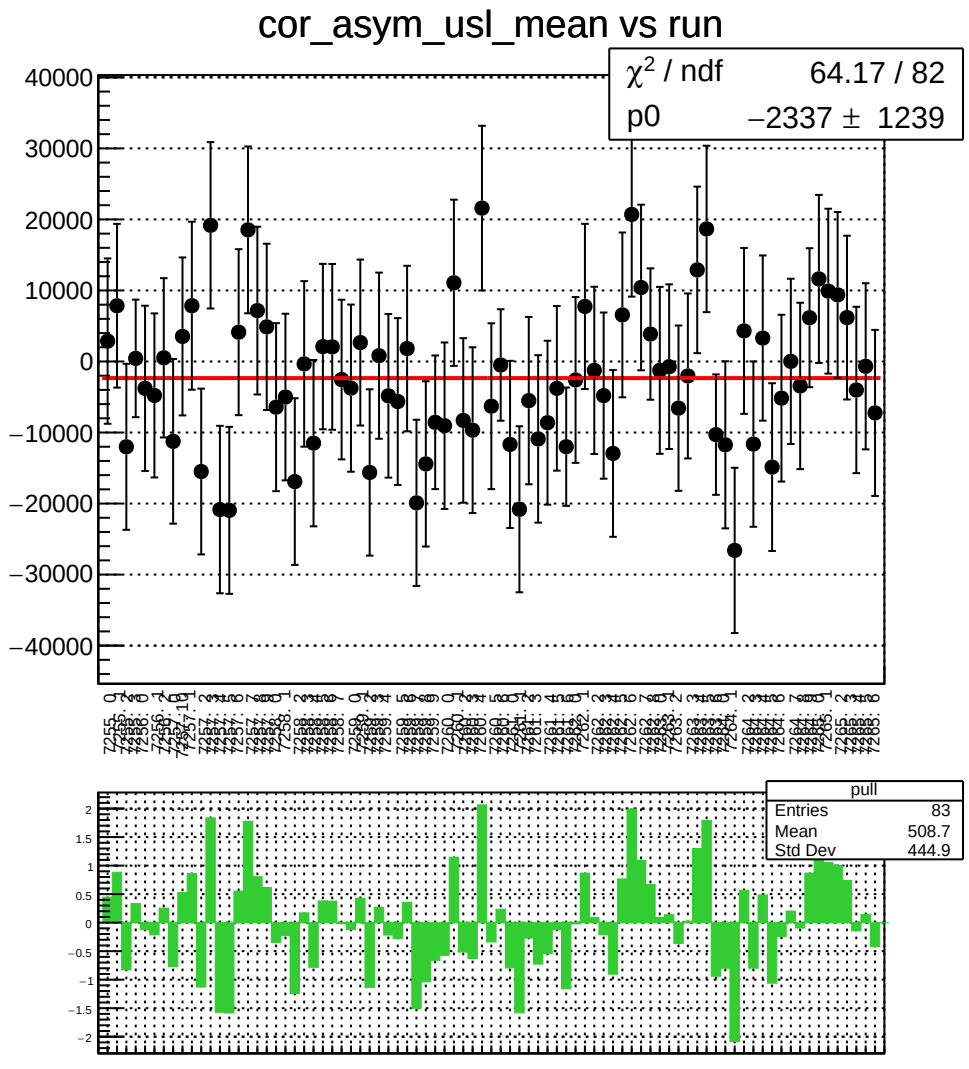

pull1D
Entries 83
Mean 0.01827
Std Dev 0.9601
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

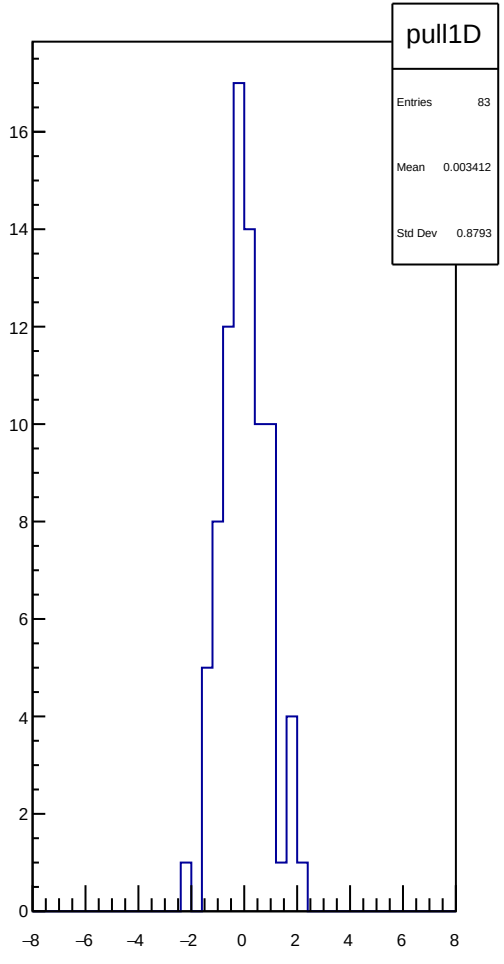

cor_asym_us_avg_rms vs run
χ² / ndf 114.7 / 82
p0 780.6 ± 0.6172
810
800
790
780
770
760

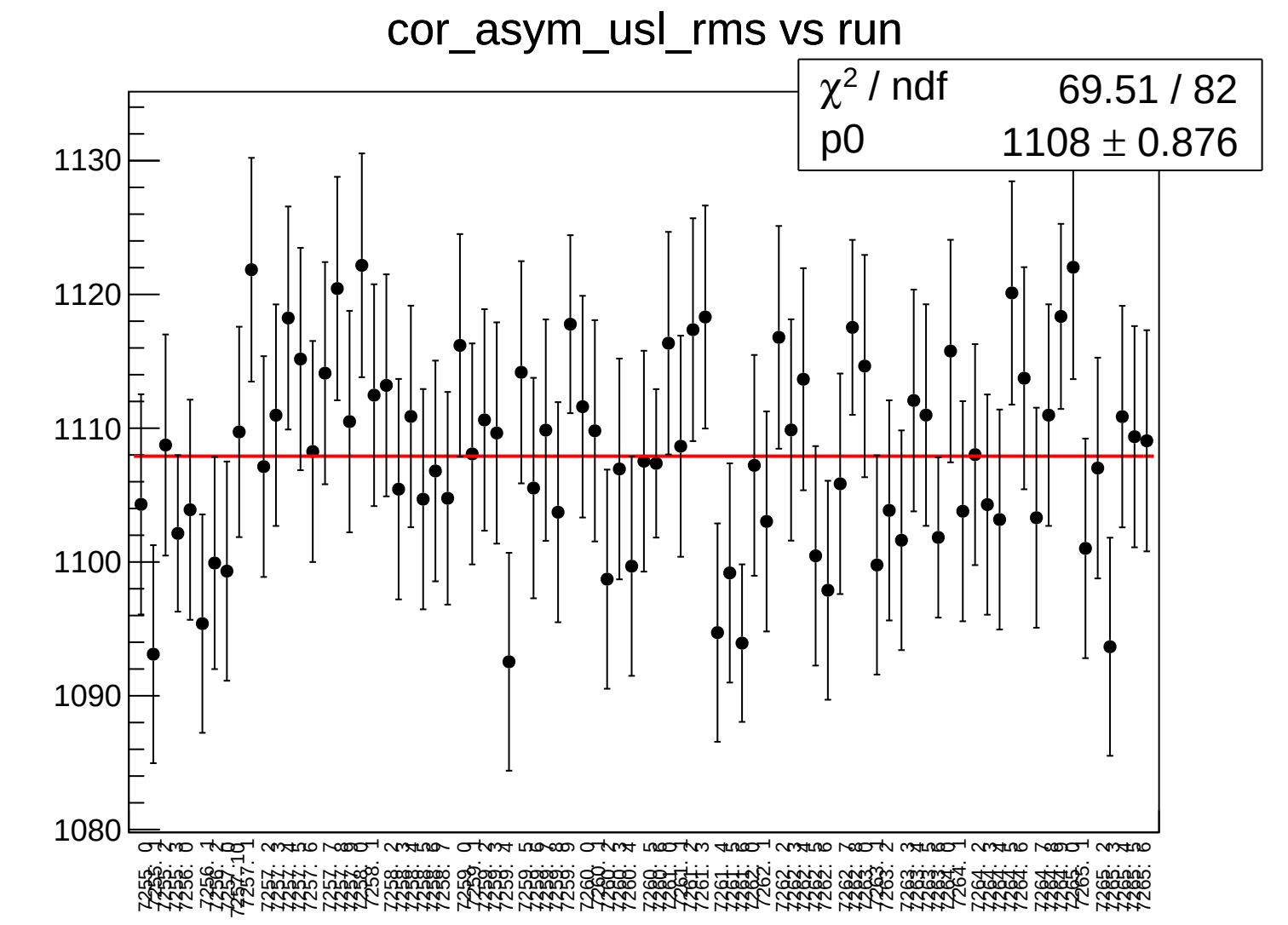

cor_asym_us_dd_mean vs run
χ² / ndf 65.17 / 82
p0 117.1 ± 870.1
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −39.6
Std Dev 118.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

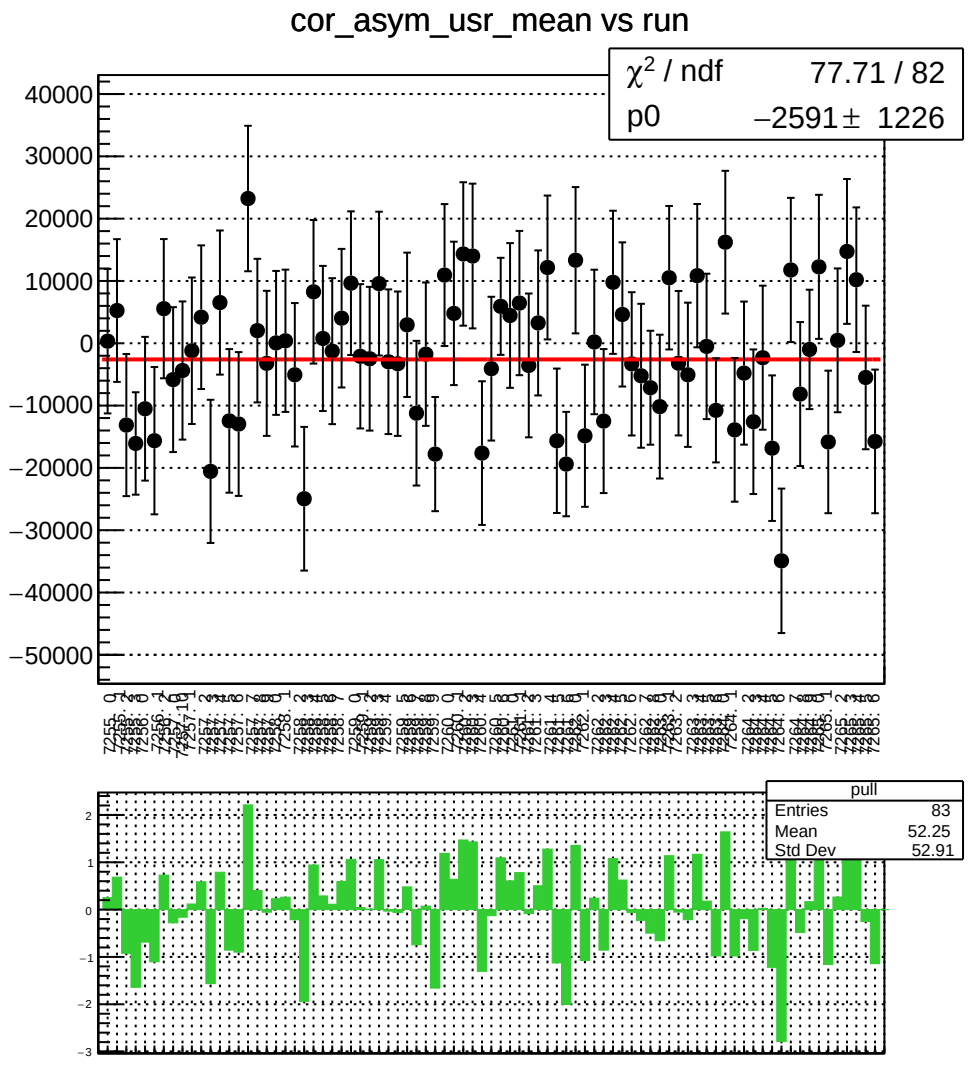

pull1D
Entries 83
Mean −0.01215
Std Dev 0.886
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

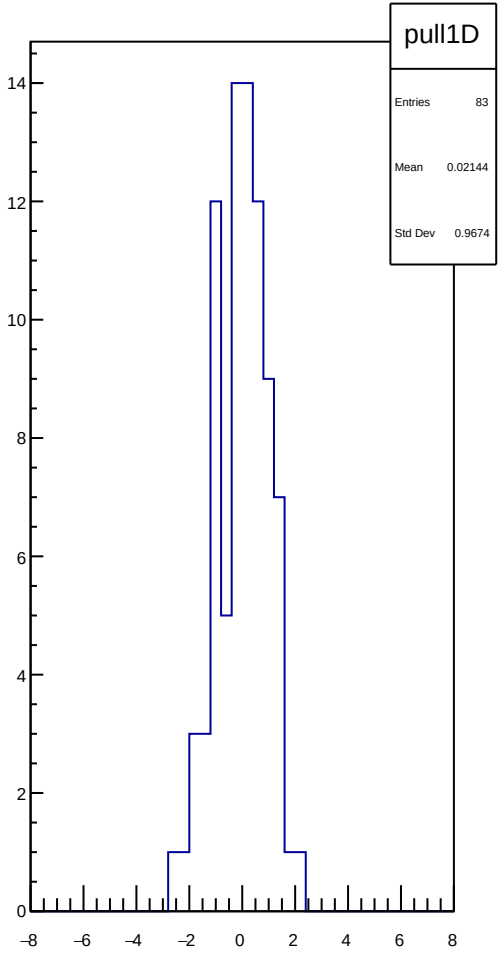

cor_asym_us_dd_rms vs run
χ² / ndf 55.56 / 82
p0 778.2 ± 0.6153
795
790
785
780
775
770
765
760

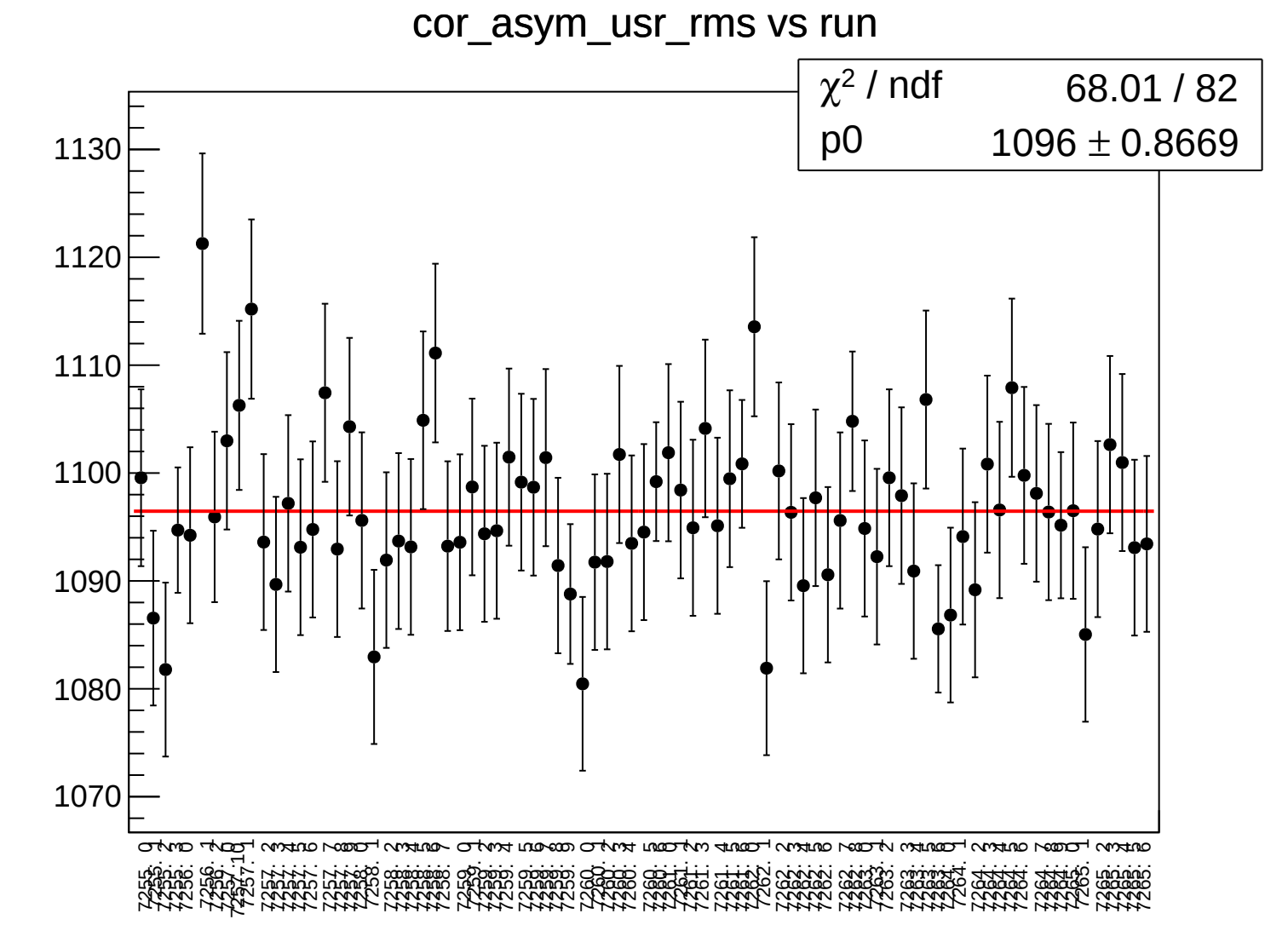

cor_asym_usl_mean vs run
χ² / ndf 64.17 / 82
p0 −2337 ± 1239
pull
Entries 83
Mean 508.7
Std Dev 444.9

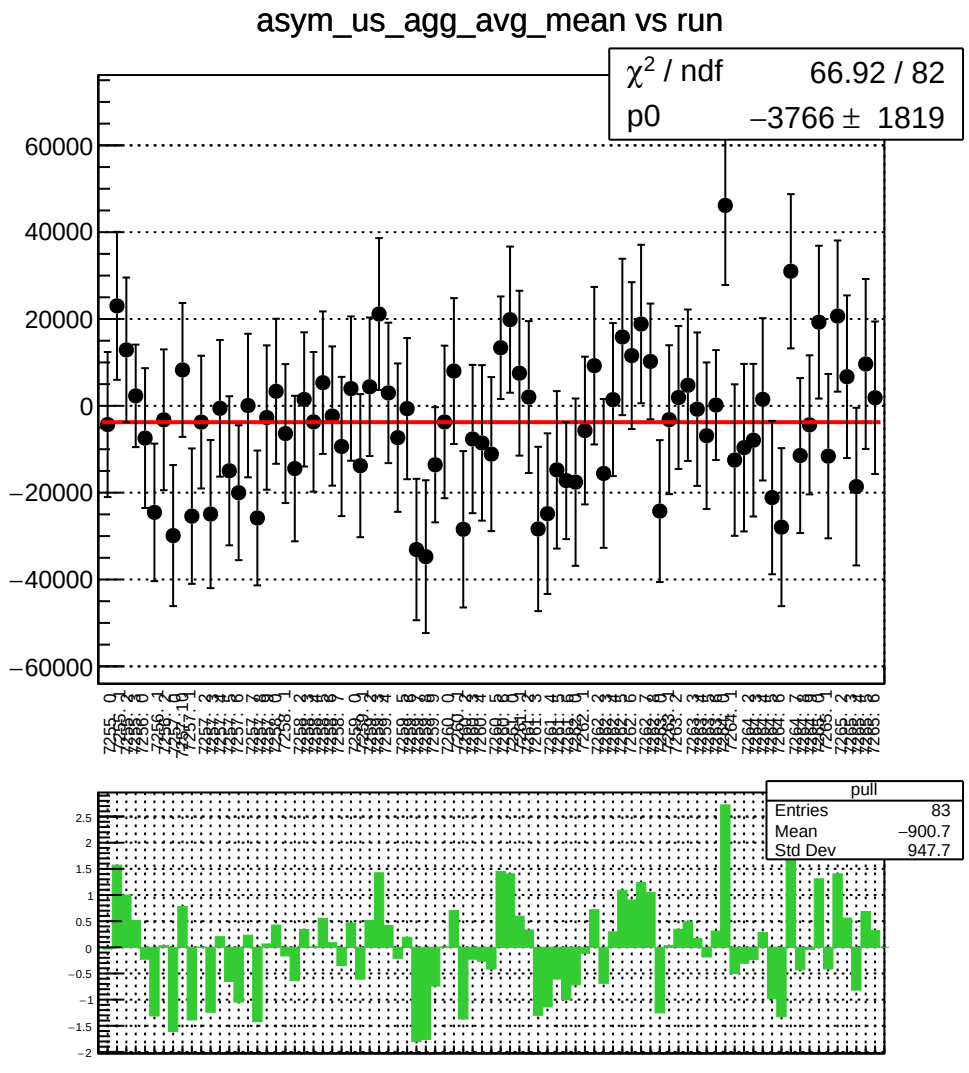

pull1D
Entries 83
Mean 0.003412
Std Dev 0.8793

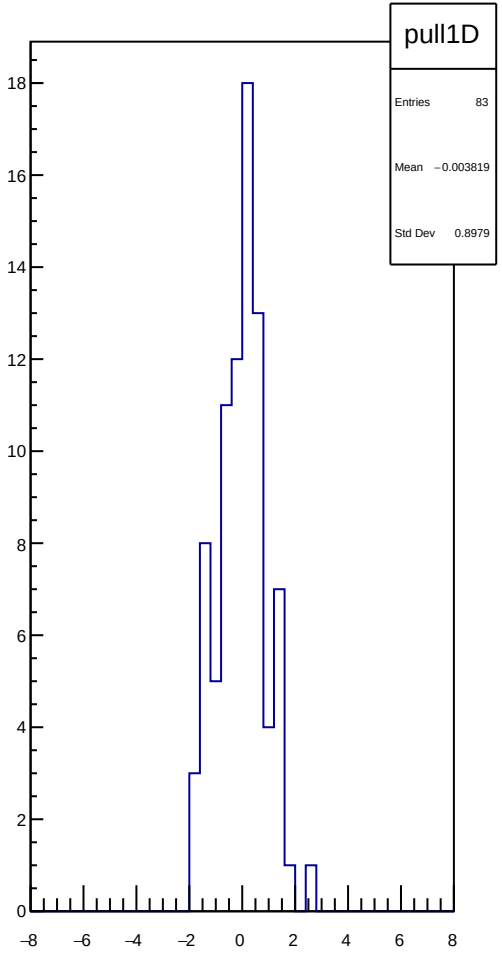

cor_asym_usl_rms vs run
χ^2 / ndf 69.51 / 82
p0 1108 ± 0.876
1130
1120
1110
1100
1090
1080

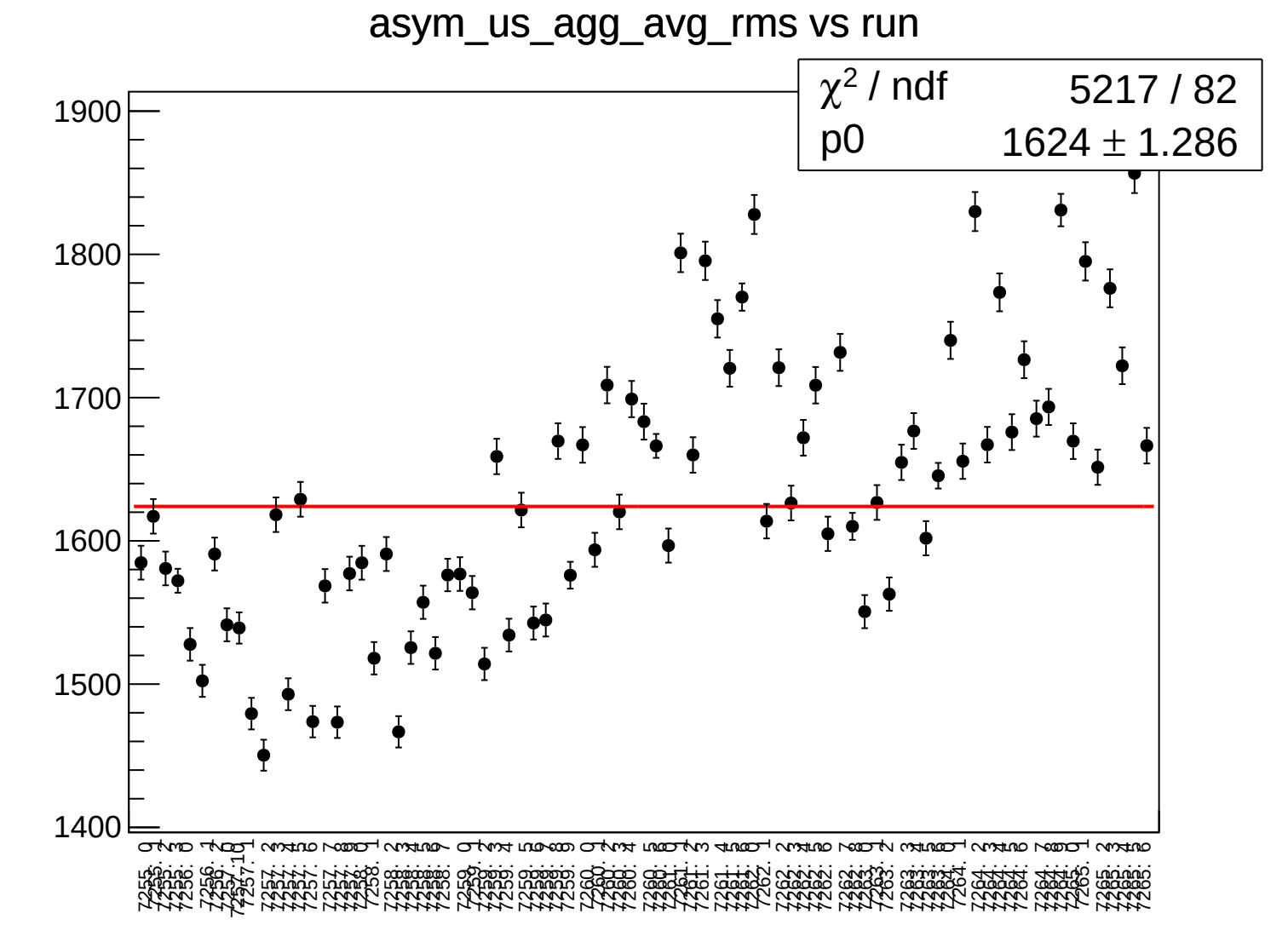

cor_asym_usr_mean vs run
χ² / ndf 77.71 / 82
p0 −2591 ± 1226
pull
Entries 83
Mean 52.25
Std Dev 52.91

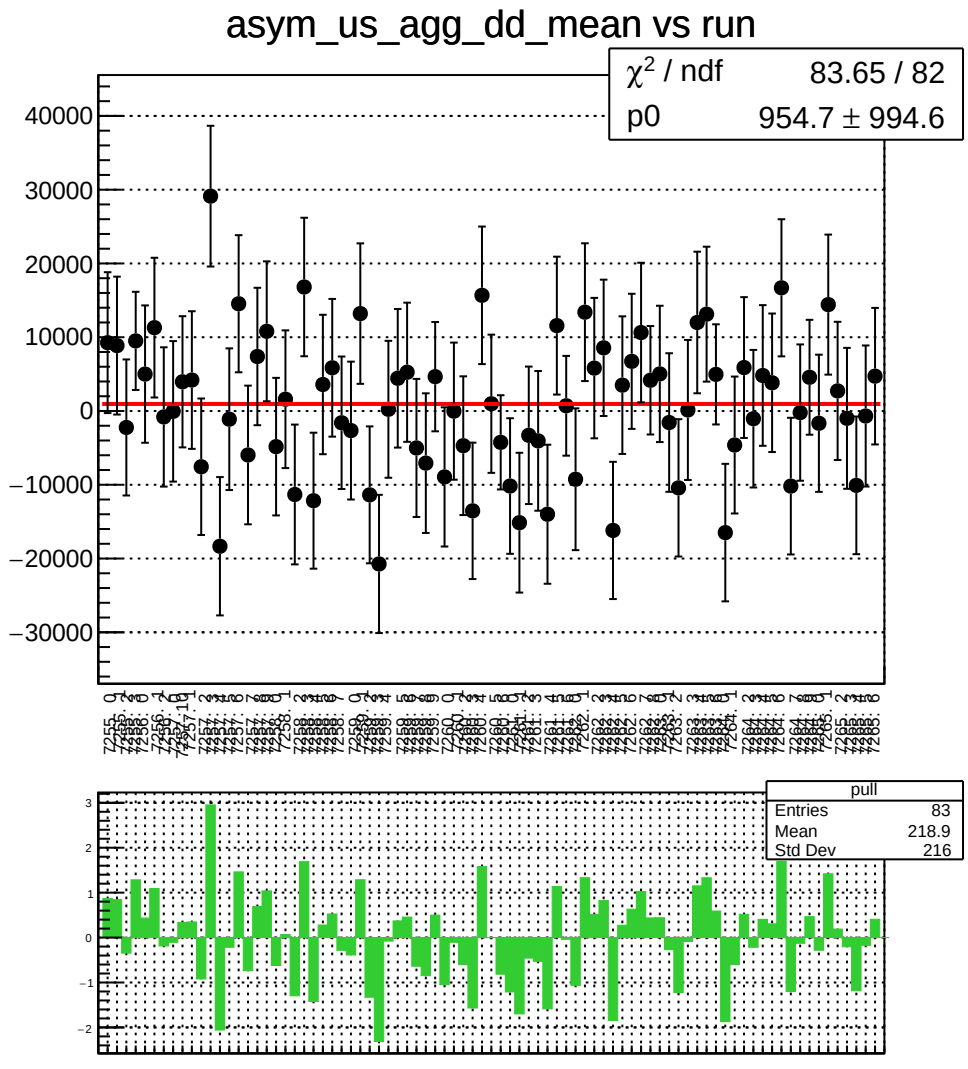

pull1D
Entries 83
Mean 0.02144
Std Dev 0.9674

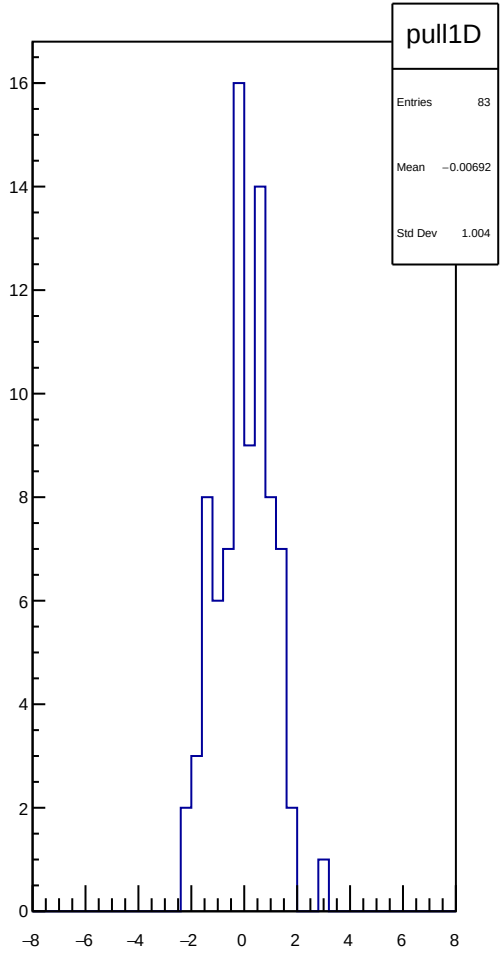

cor_asym_usr_rms vs run
χ² / ndf 68.01 / 82
p0 1096 ± 0.8669
1130
1120
1110
1100
1090
1080
1070

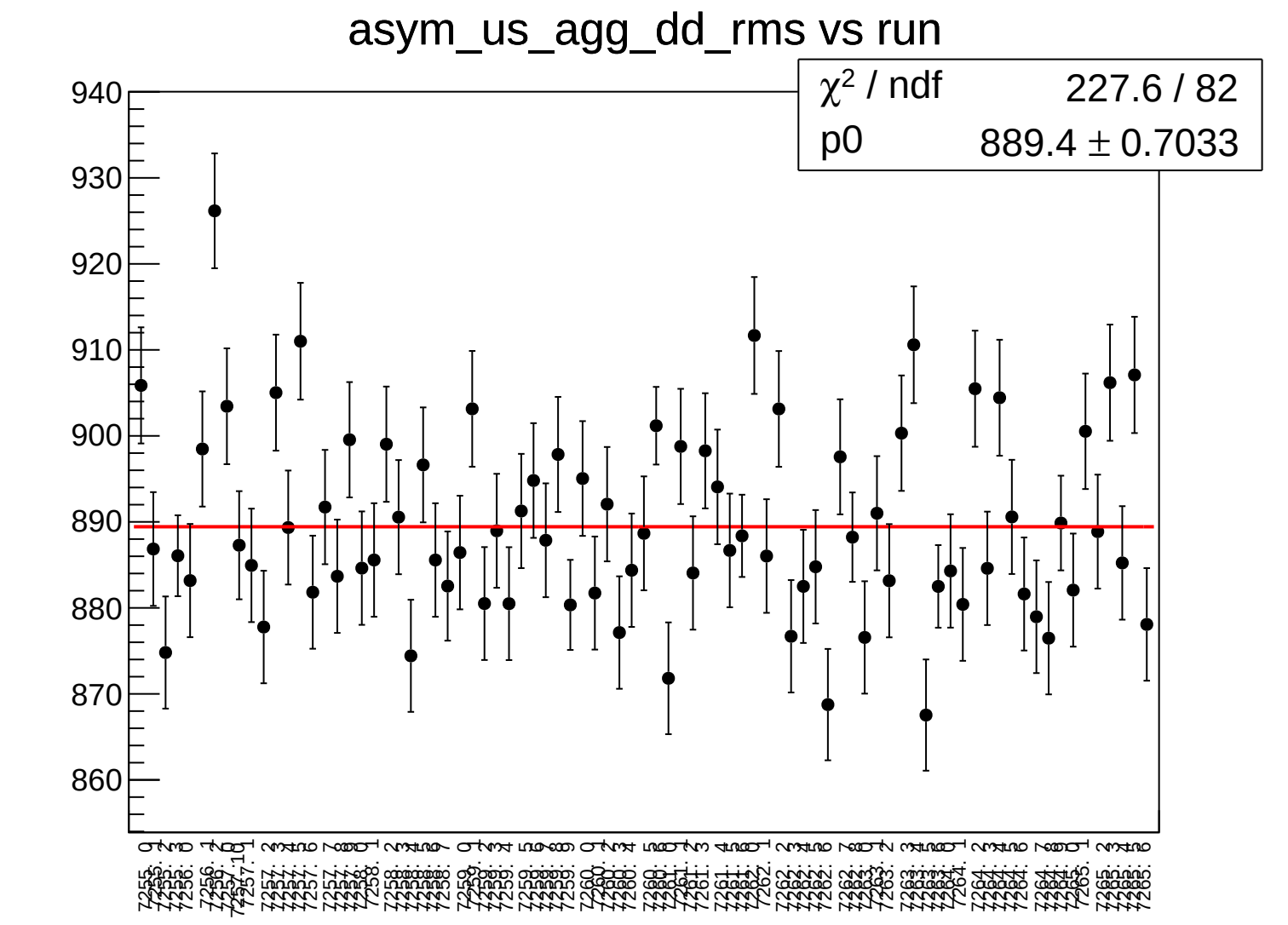

asym_us_agg_avg_mean vs run
χ² / ndf 66.92 / 82
p0 −3766 ± 1819
pull
Entries 83
Mean −900.7
Std Dev 947.7

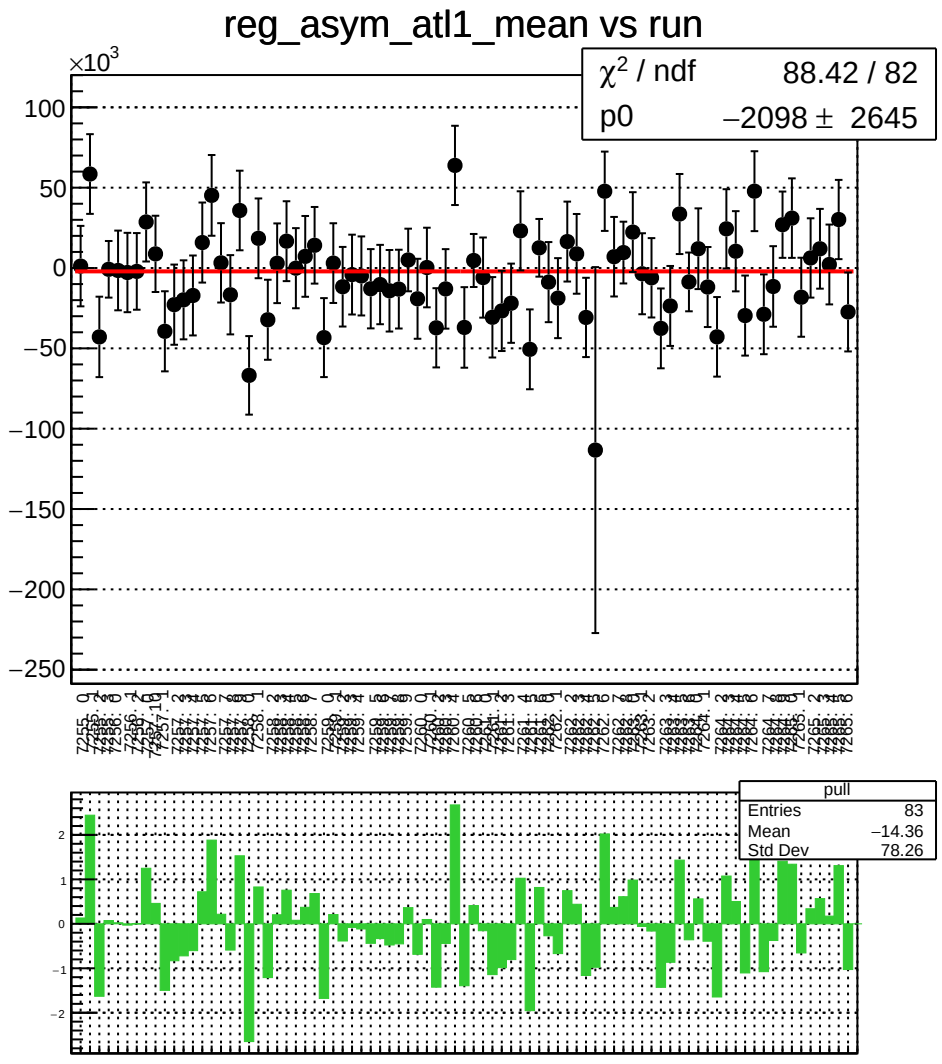

pull1D
Entries 83
Mean −0.003819
Std Dev 0.8979

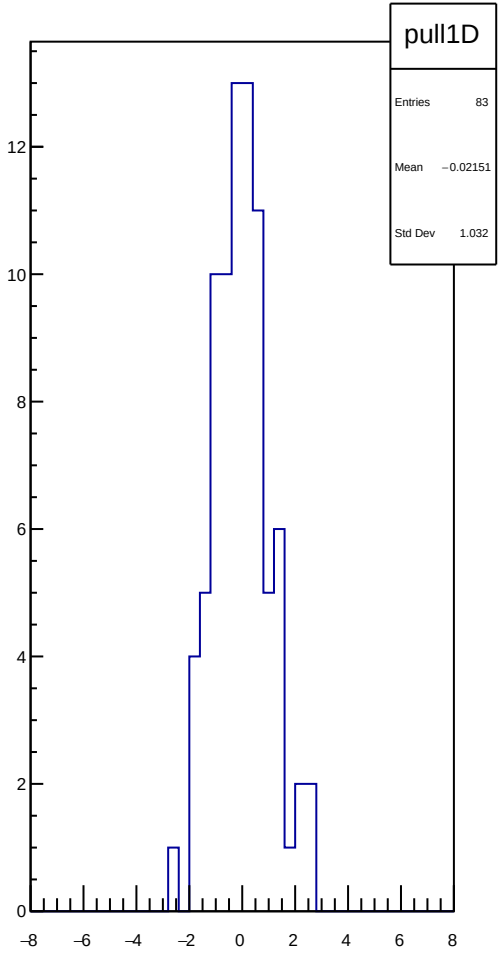

asym_us_agg_avg_rms vs run
χ² / ndf 5217 / 82
p0 1624 ± 1.286
1900
1800
1700
1600
1500
1400

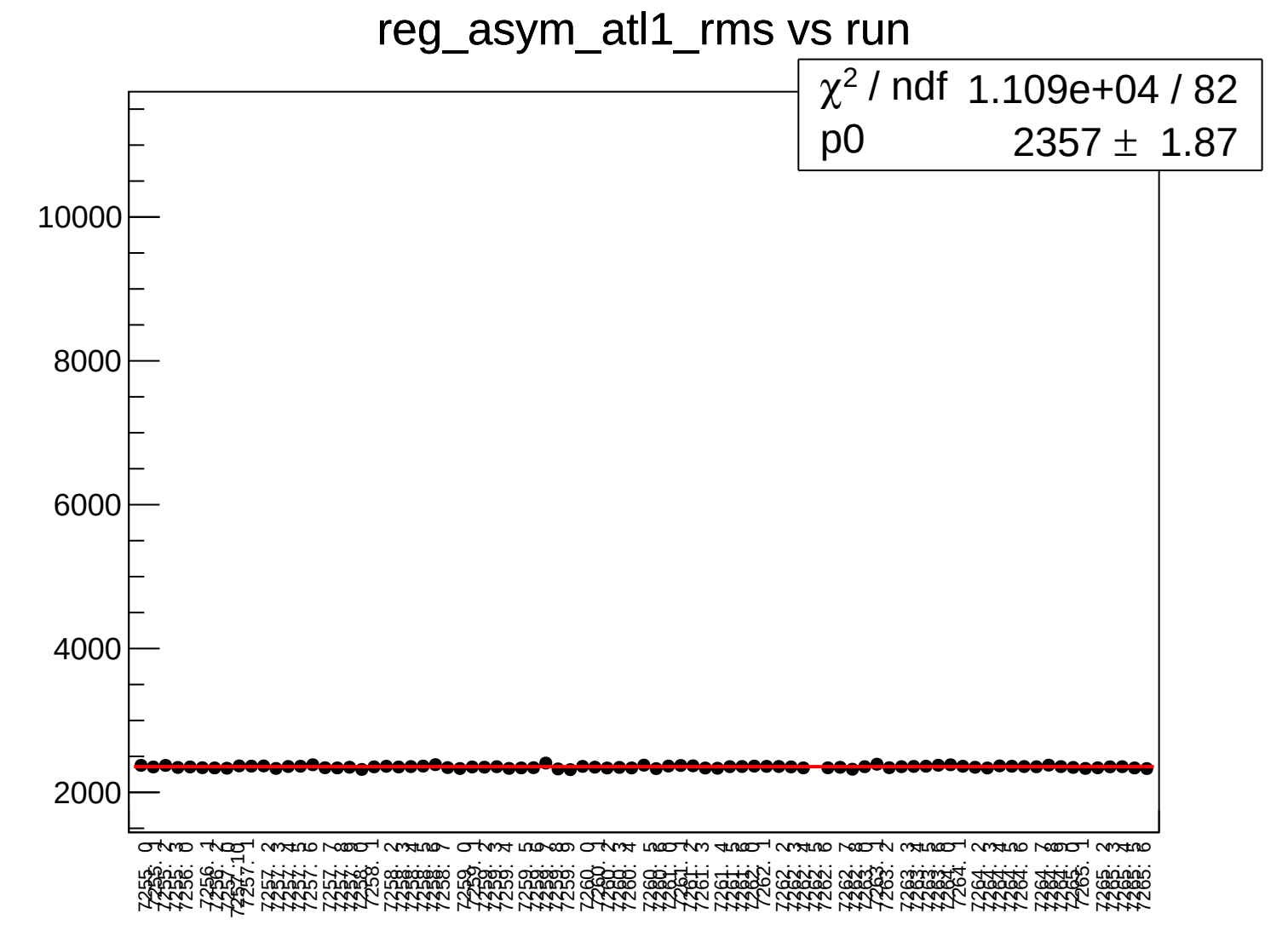

asym_us_agg_dd_mean vs run
χ² / ndf 83.65 / 82
p0 954.7 ± 994.6
pull
Entries 83
Mean 218.9
Std Dev 216

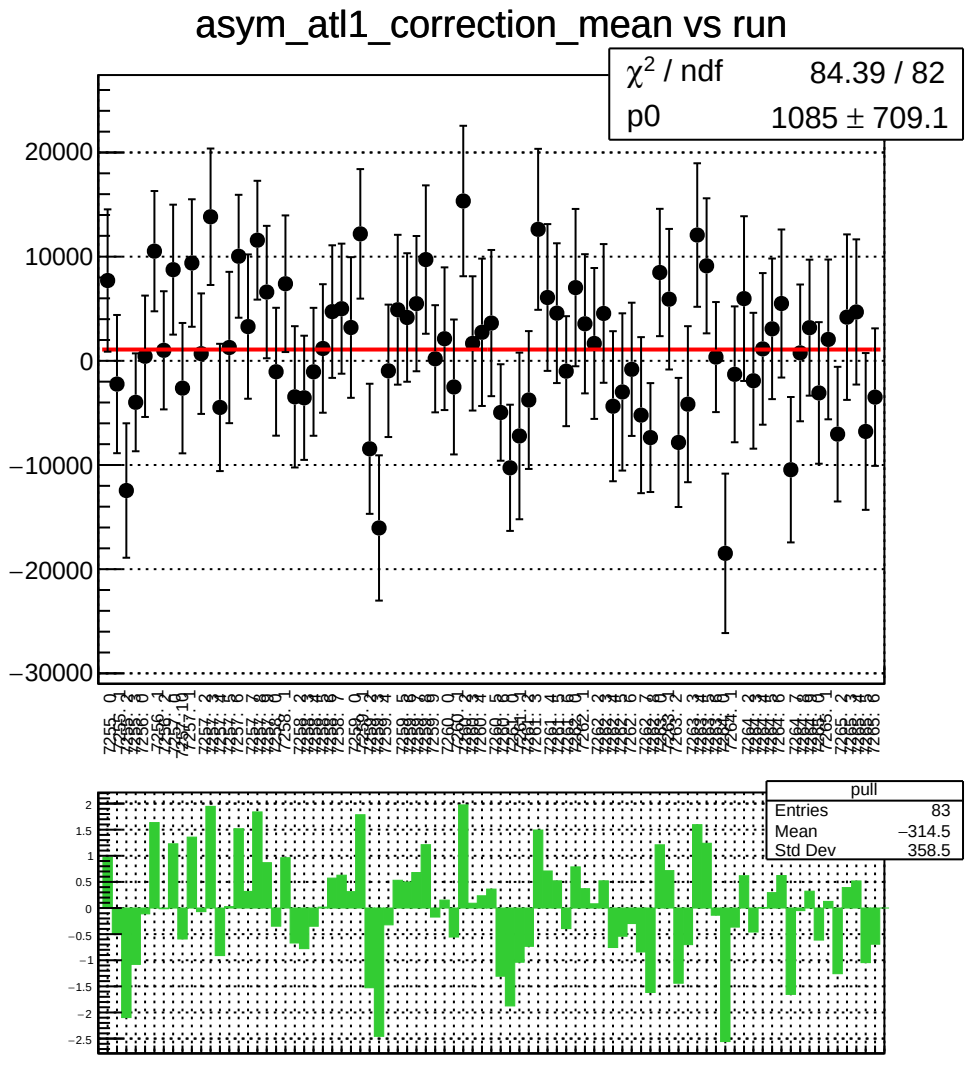

pull1D
Entries 83
Mean −0.00692
Std Dev 1.004

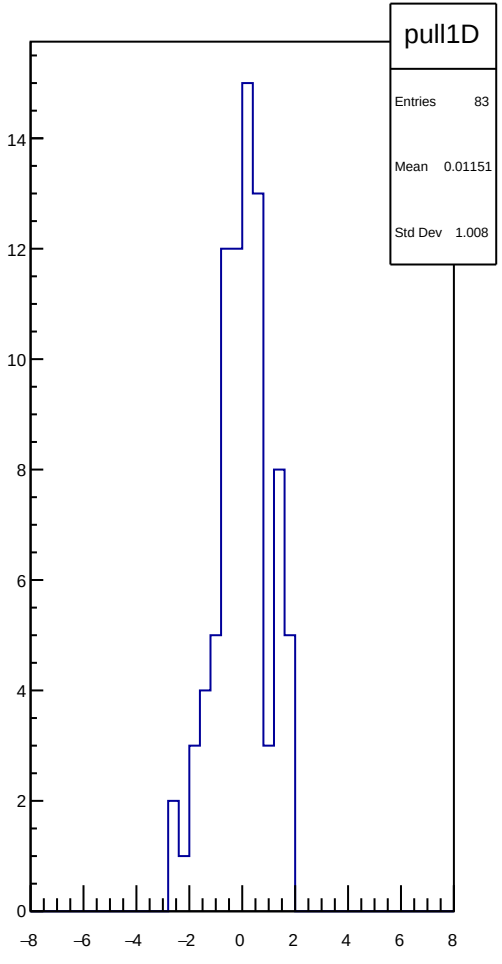

asym_us_agg_dd_rms vs run
χ² / ndf 227.6 / 82
p0 889.4 ± 0.7033
940
930
920
910
900
890
880
870
860

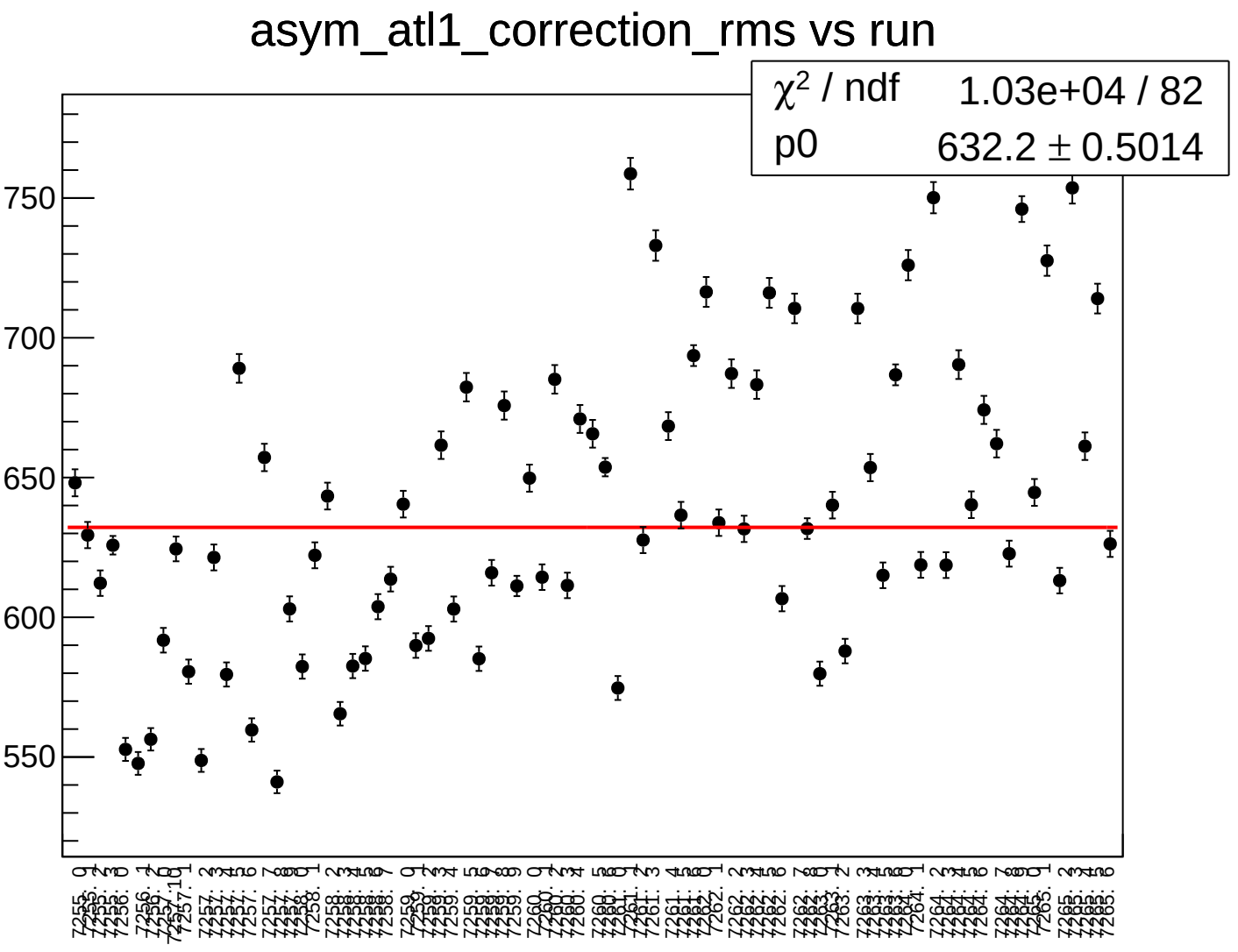

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 88.42 / 82
p0 −2098 ± 2645
pull
Entries 83
Mean −14.36
Std Dev 78.26

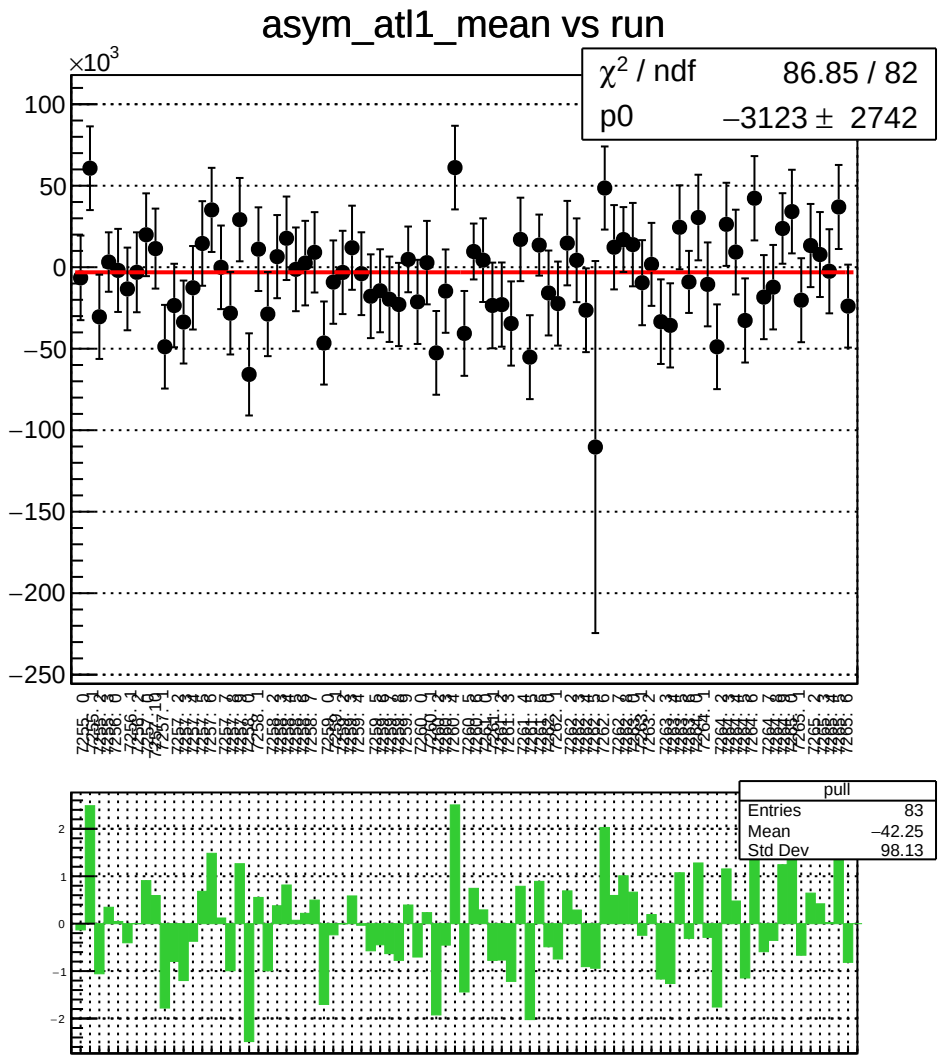

pull1D
Entries 83
Mean −0.02151
Std Dev 1.032

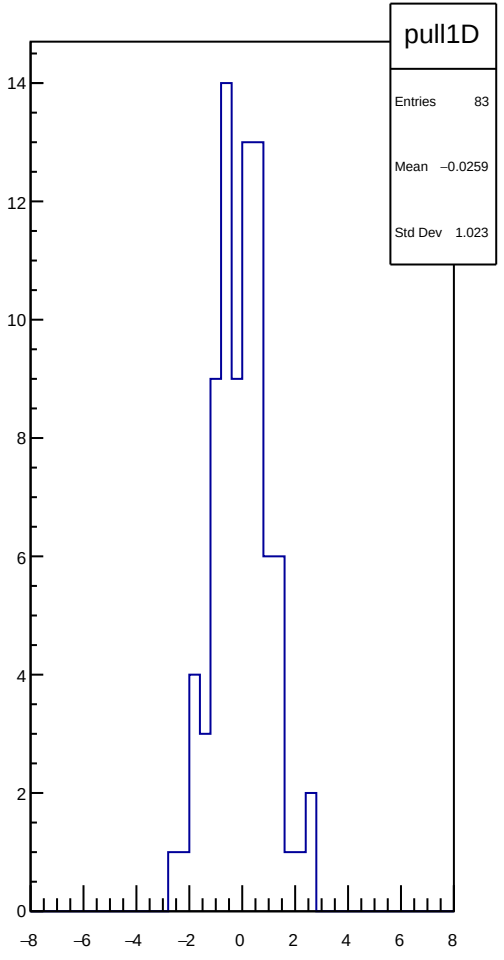

reg_asym_atl1_rms vs run
χ² / ndf 1.109e+04 / 82
p0 2357 ± 1.87
10000
8000
6000
4000
2000

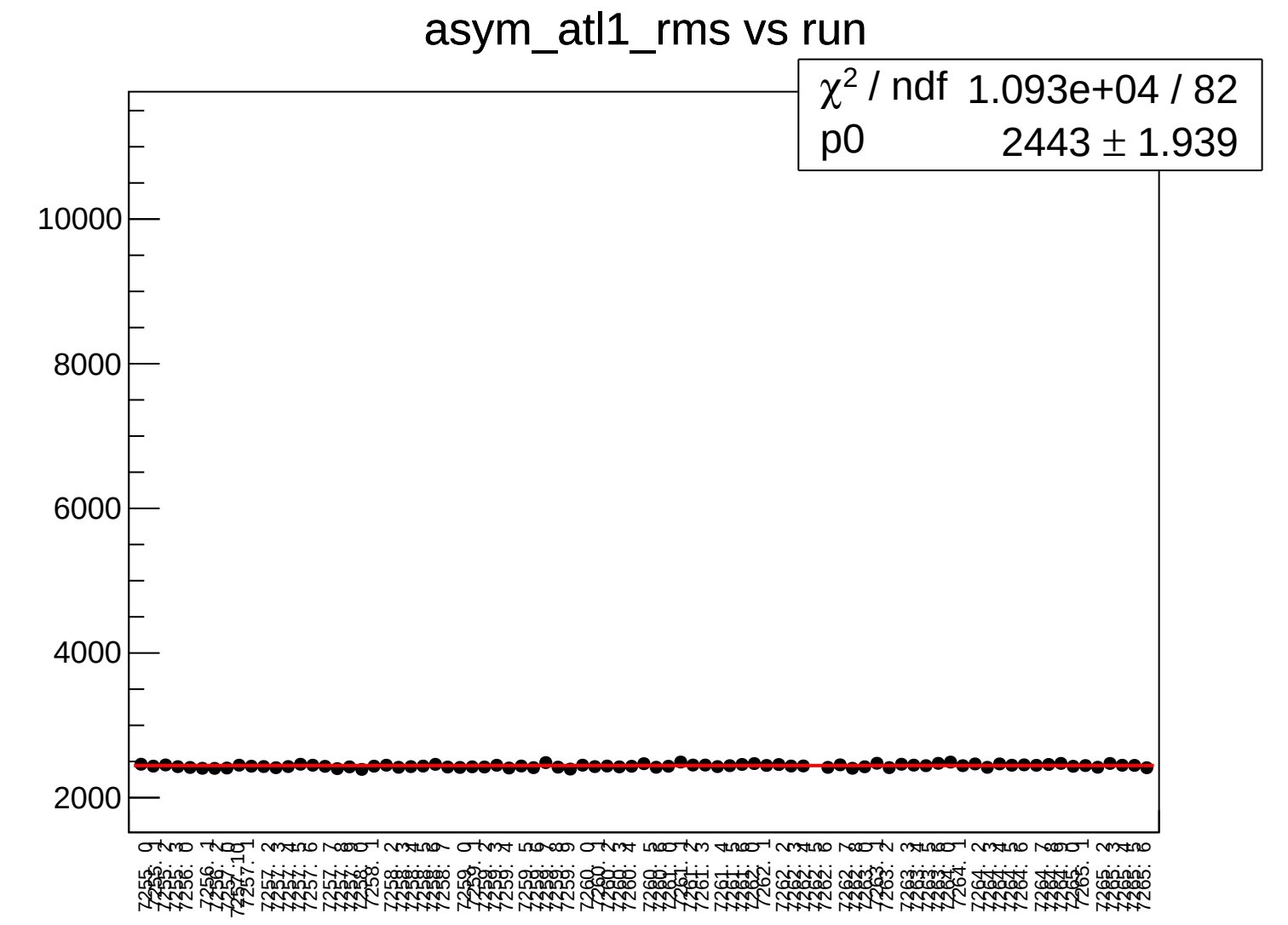

asym_atl1_correction_mean vs run
χ² / ndf 84.39 / 82
p0 1085 ± 709.1
pull
Entries 83
Mean −314.5
Std Dev 358.5

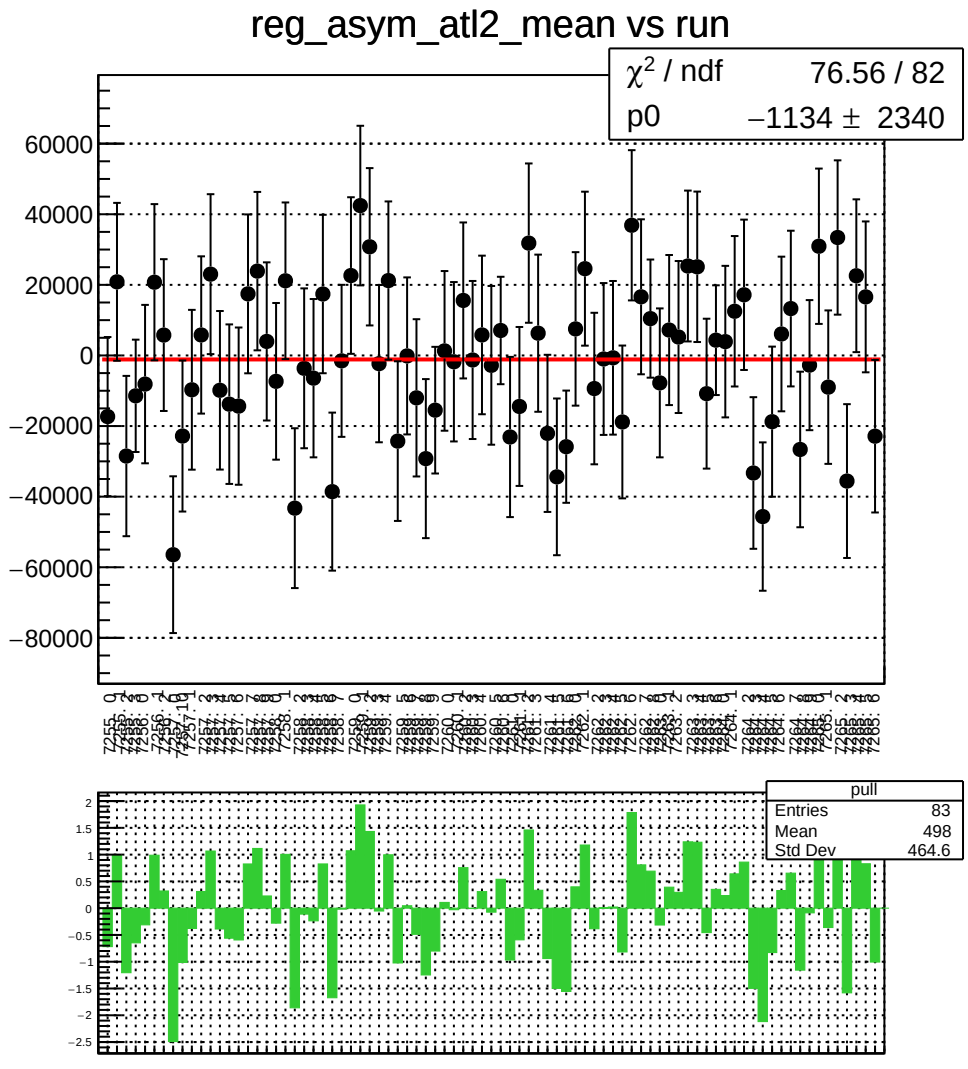

pull1D
Entries 83
Mean 0.01151
Std Dev 1.008

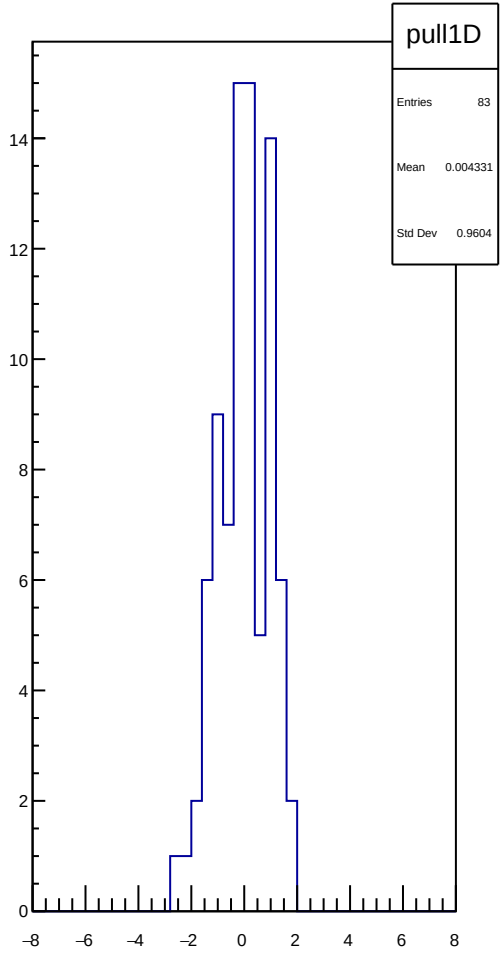

asym_atl1_correction_rms vs run
χ² / ndf 1.03e+04 / 82
p0 632.2 ± 0.5014
750
700
650
600
550

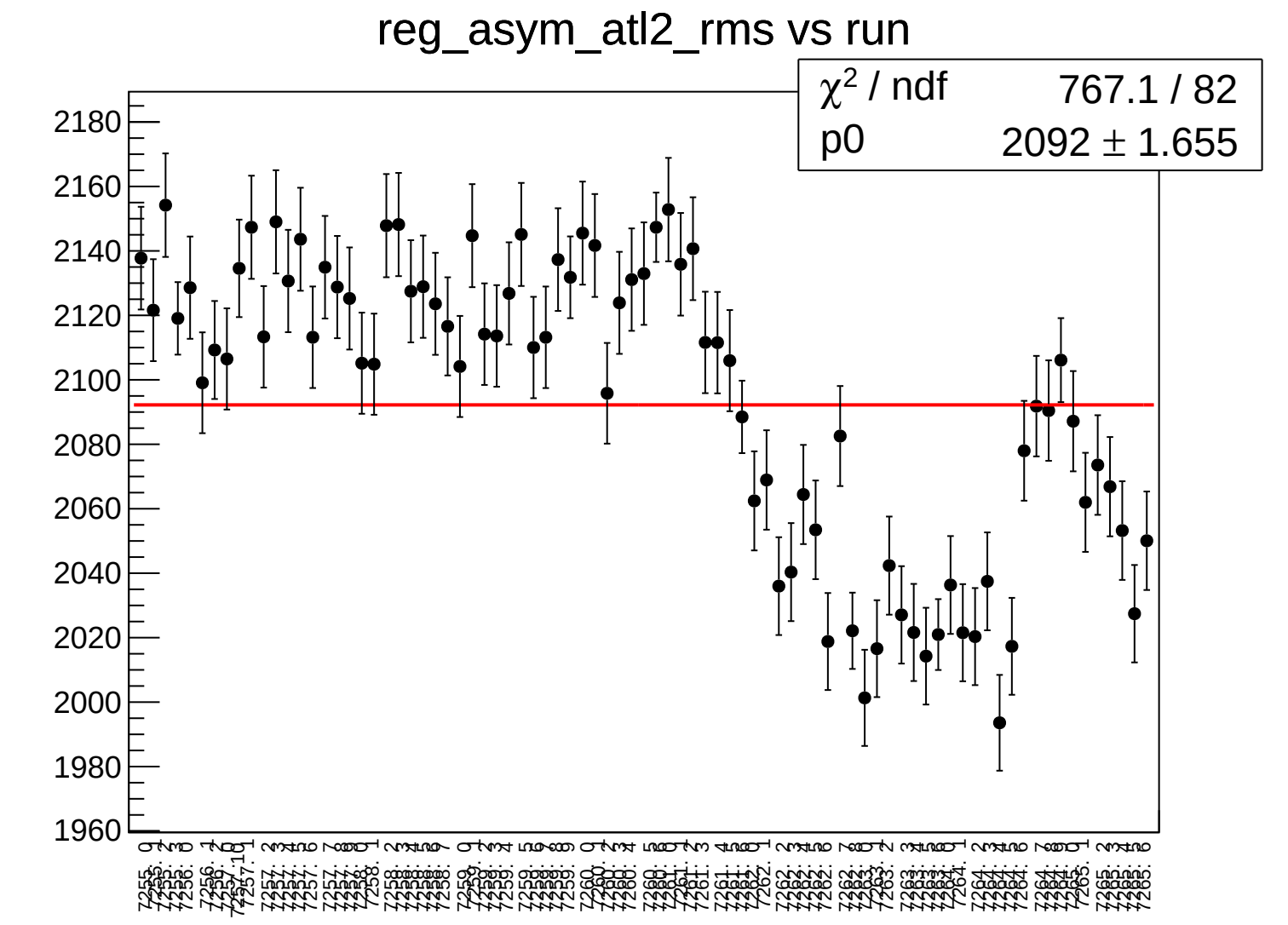

asym_atl1_mean vs run
×10^3
χ² / ndf 86.85 / 82
p0 −3123 ± 2742
pull
Entries 83
Mean −42.25
Std Dev 98.13

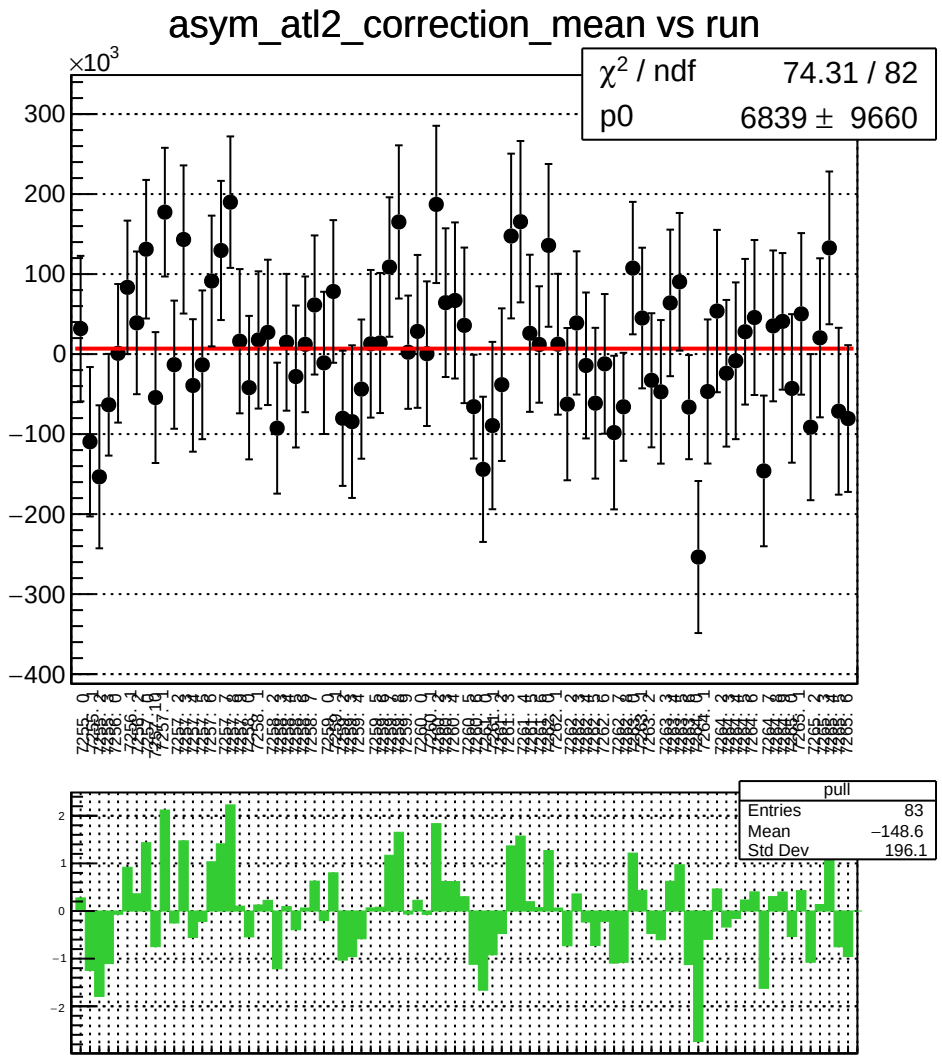

pull1D
Entries 83
Mean −0.0259
Std Dev 1.023

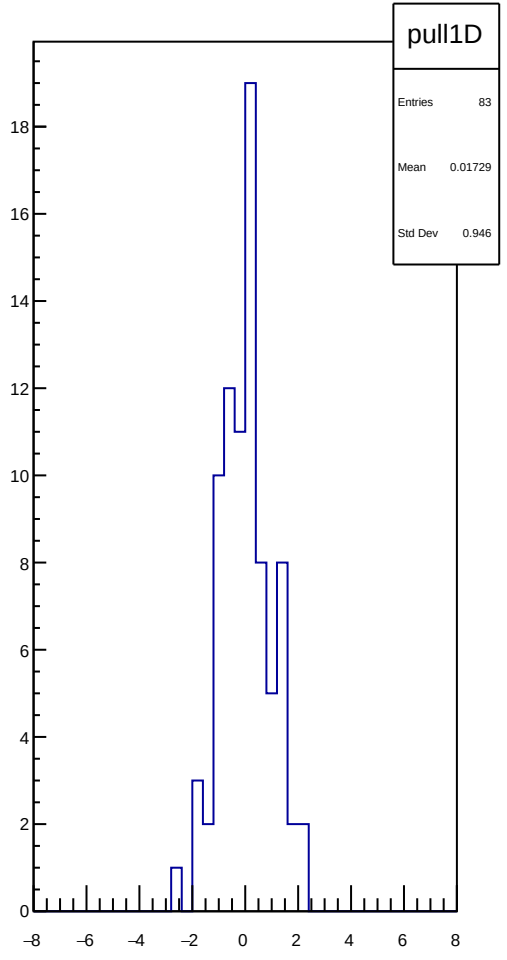

asym_atl1_rms vs run
χ² / ndf 1.093e+04 / 82
p0 2443 ± 1.939
10000
8000
6000
4000
2000

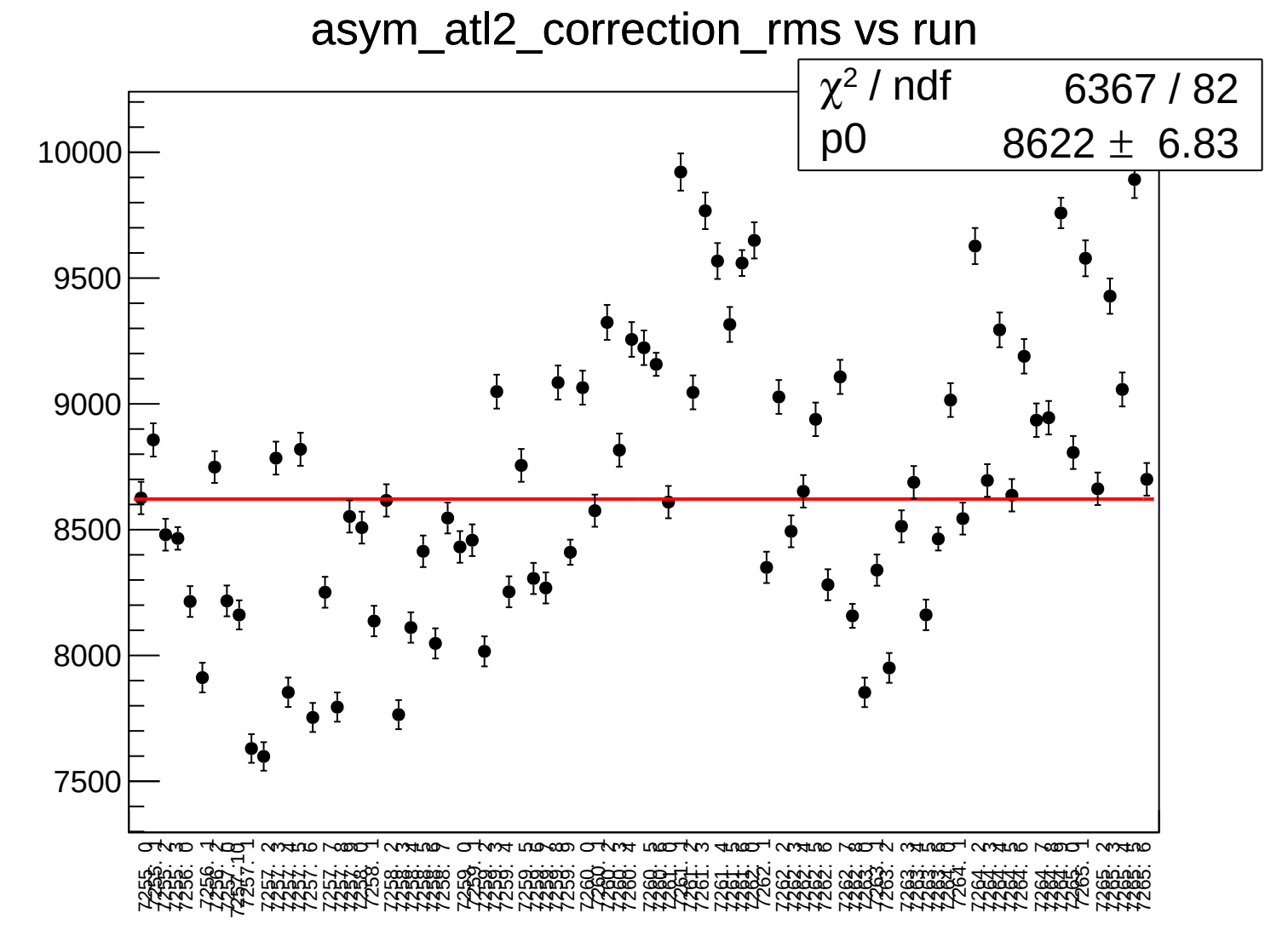

reg_asym_atl2_mean vs run
χ² / ndf 76.56 / 82
p0 −1134 ± 2340
pull
Entries 83
Mean 498
Std Dev 464.6

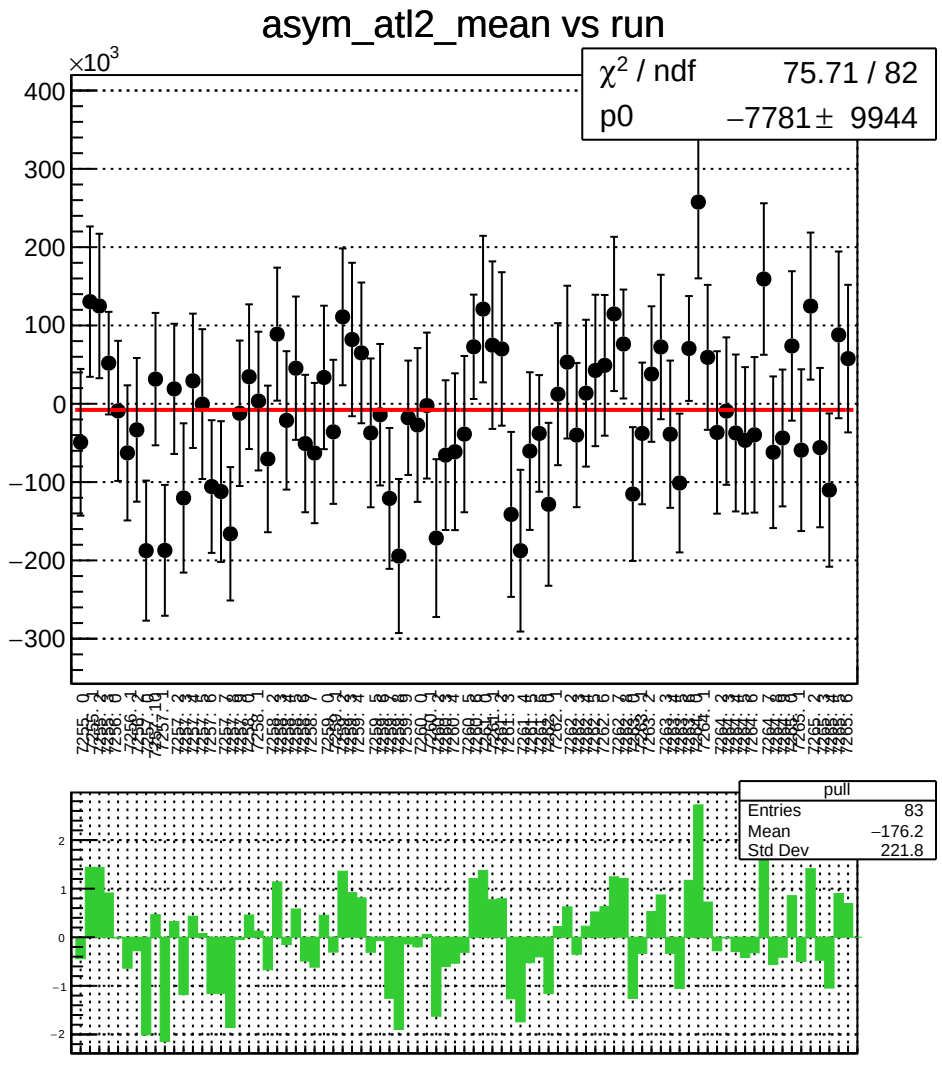

pull1D
Entries 83
Mean 0.004331
Std Dev 0.9604

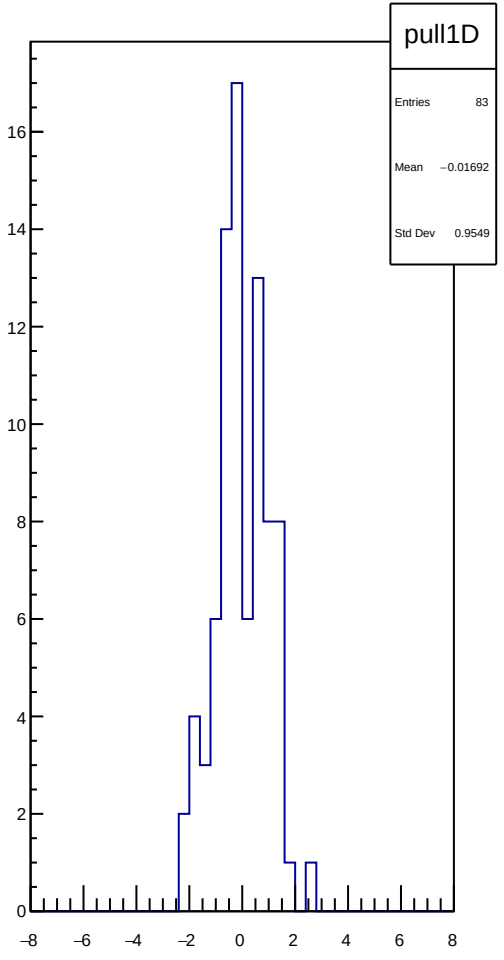

reg_asym_atl2_rms vs run
χ² / ndf 767.1 / 82
p0 2092 ± 1.655
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

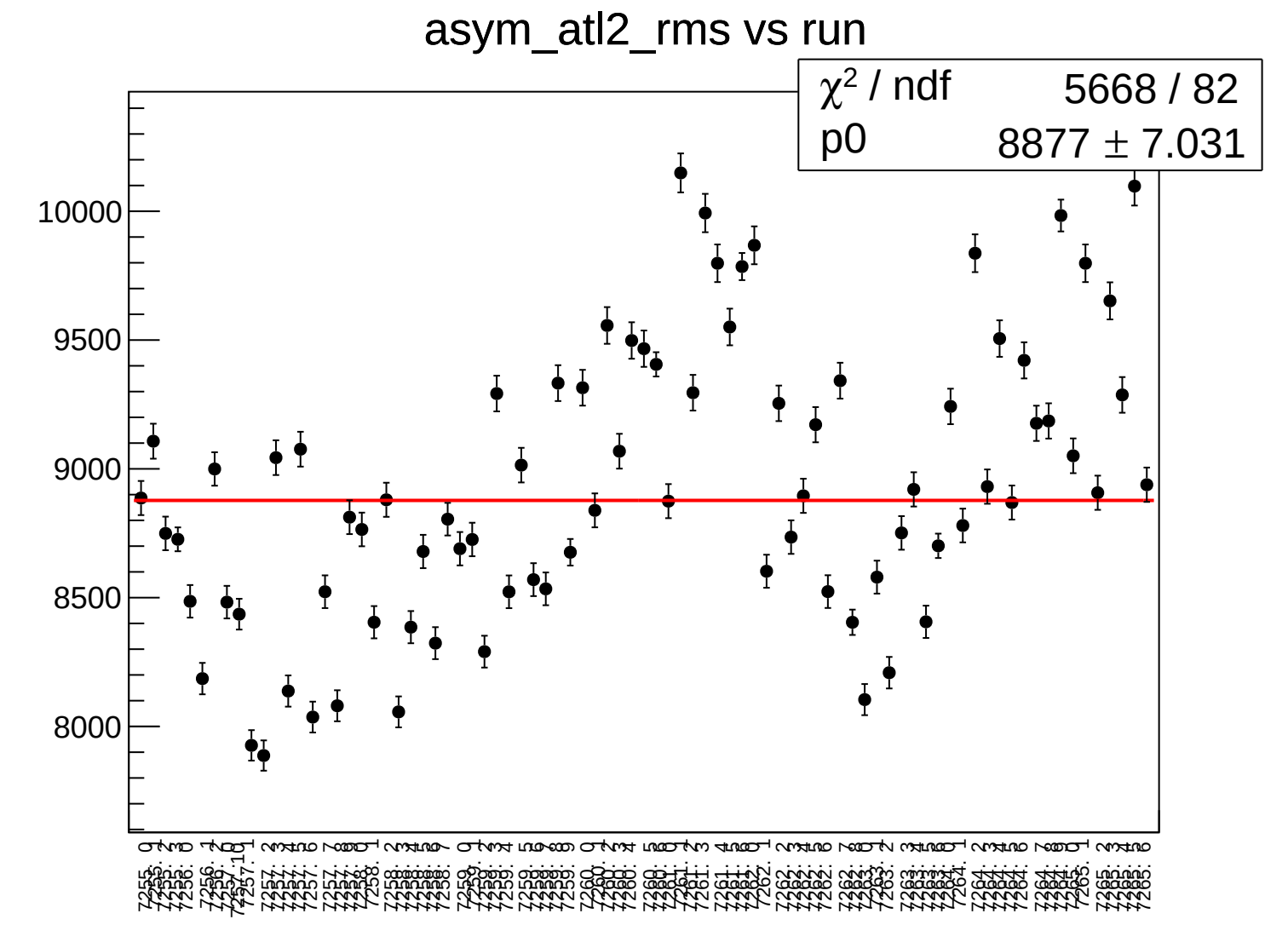

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 74.31 / 82
p0 6839 ± 9660
pull
Entries 83
Mean −148.6
Std Dev 196.1

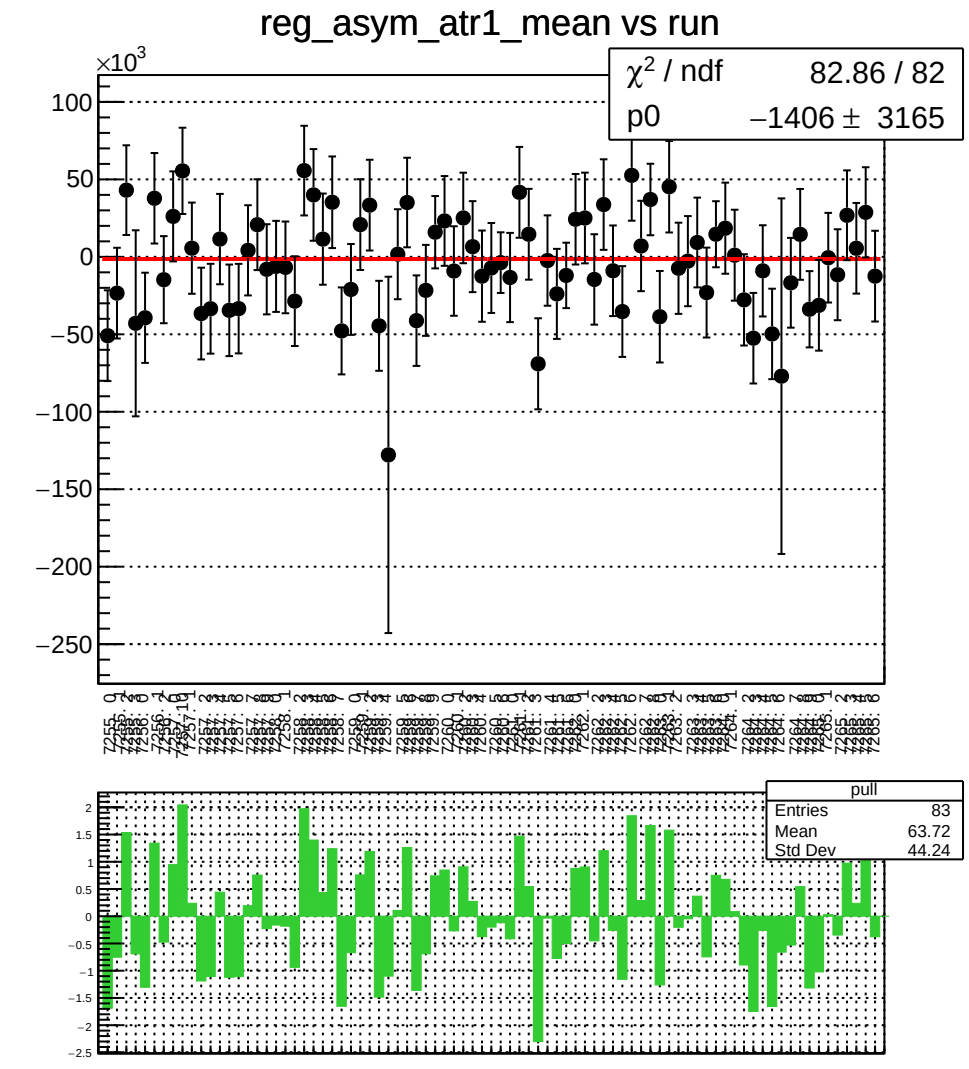

pull1D
Entries 83
Mean 0.01729
Std Dev 0.946

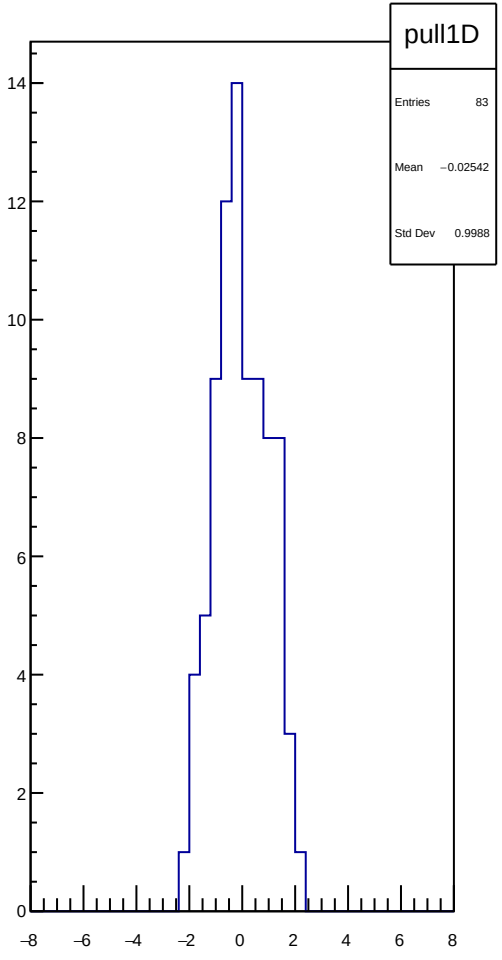

asym_atl2_correction_rms vs run
χ² / ndf 6367 / 82
p0 8622 ± 6.83
10000
9500
9000
8500
8000
7500

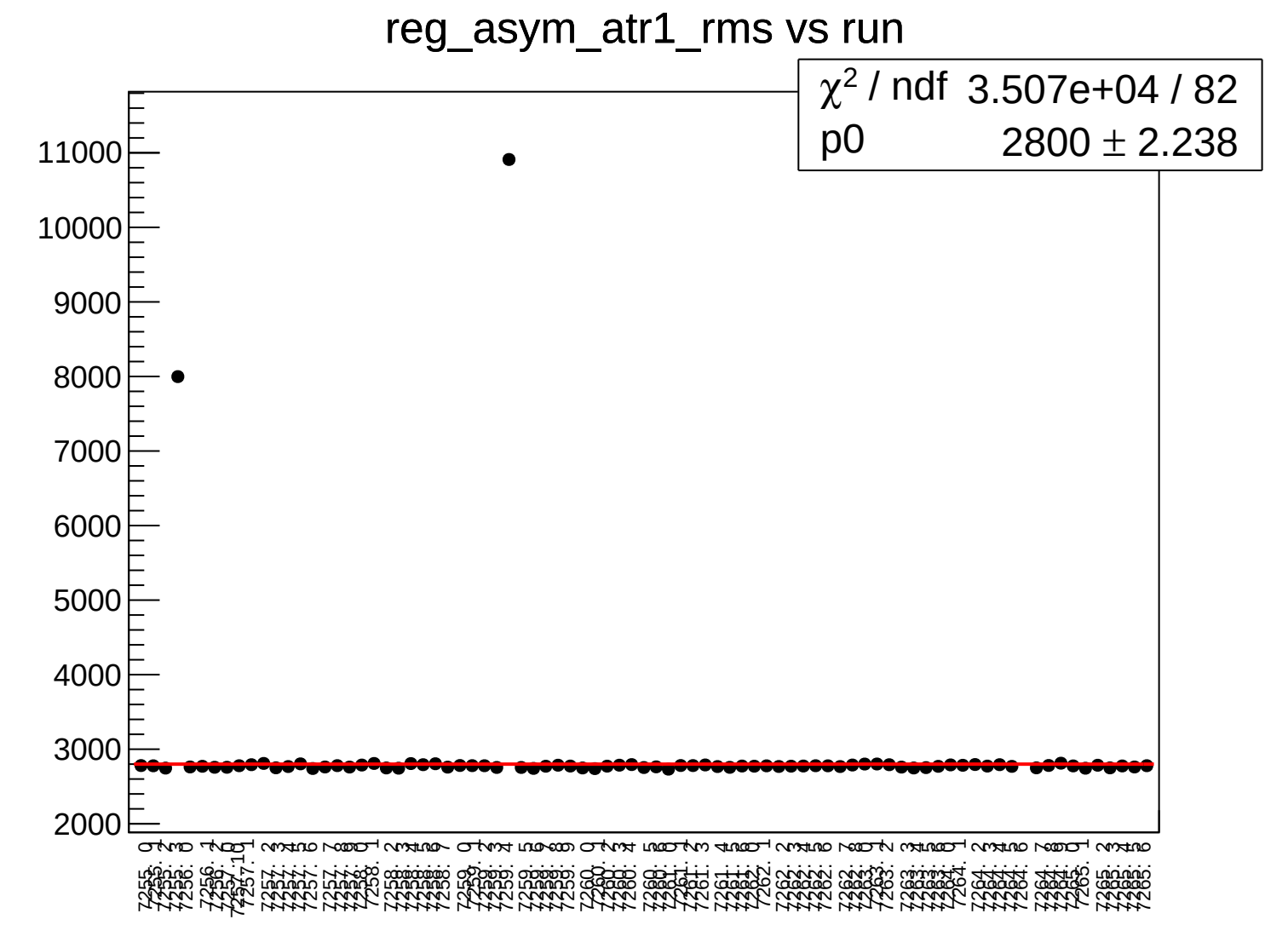

asym_atl2_mean vs run
×10^3
χ² / ndf 75.71 / 82
p0 −7781 ± 9944
pull
Entries 83
Mean −176.2
Std Dev 221.8

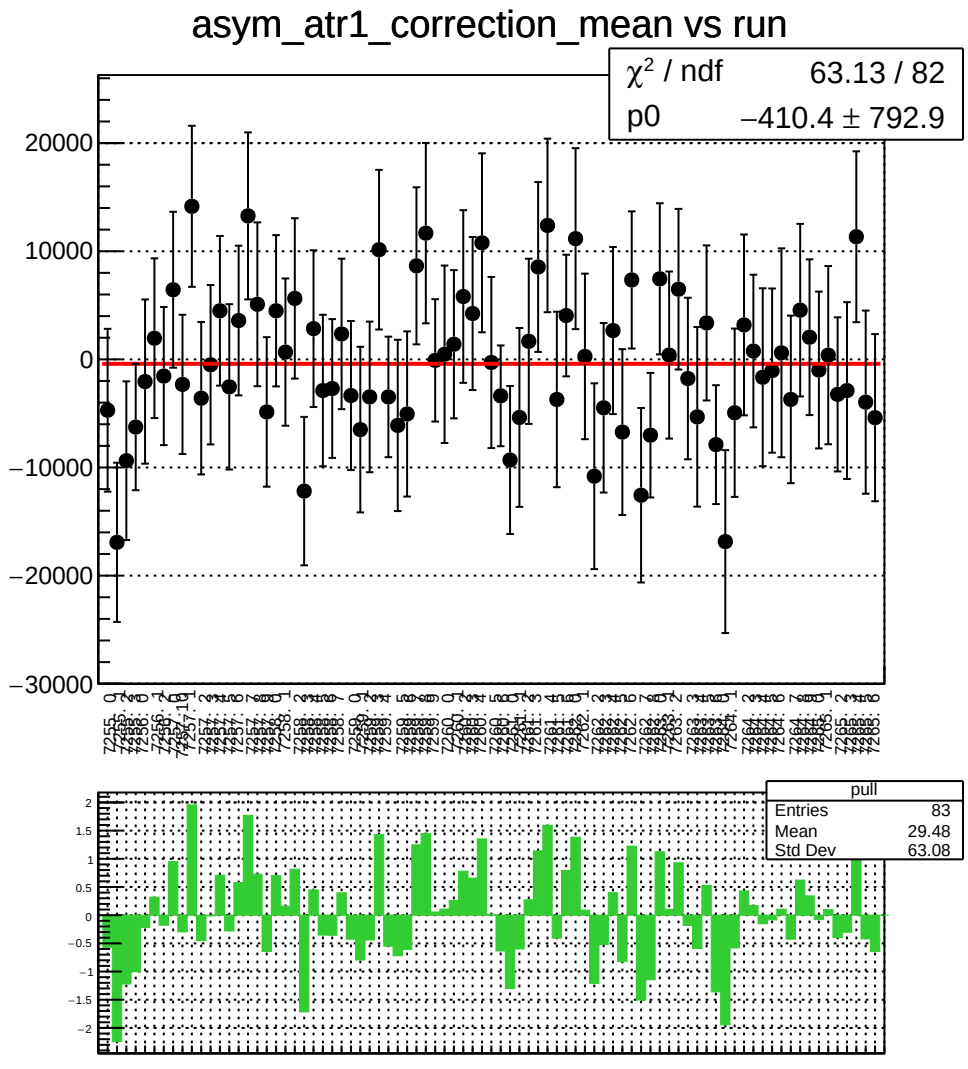

pull1D
Entries 83
Mean −0.01692
Std Dev 0.9549

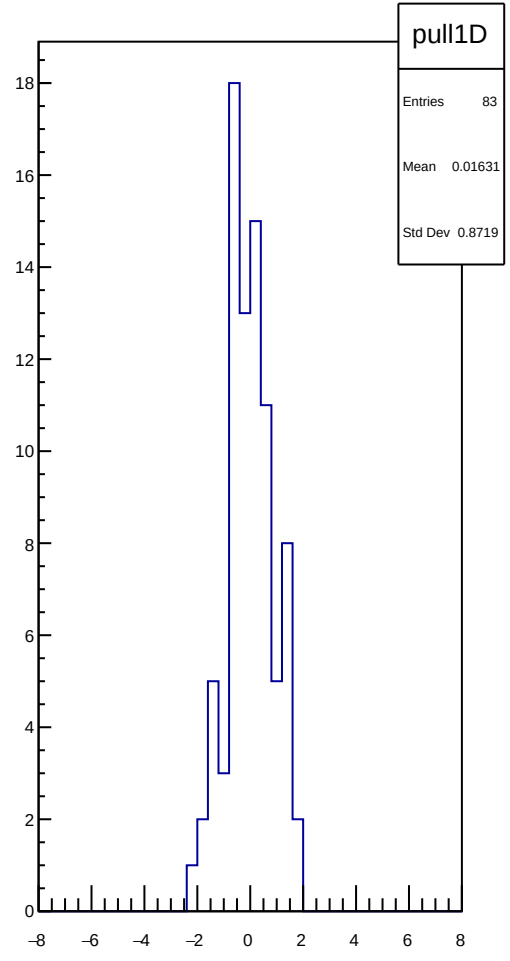

asym_atl2_rms vs run
χ² / ndf 5668 / 82
p0 8877 ± 7.031
10000
9500
9000
8500
8000

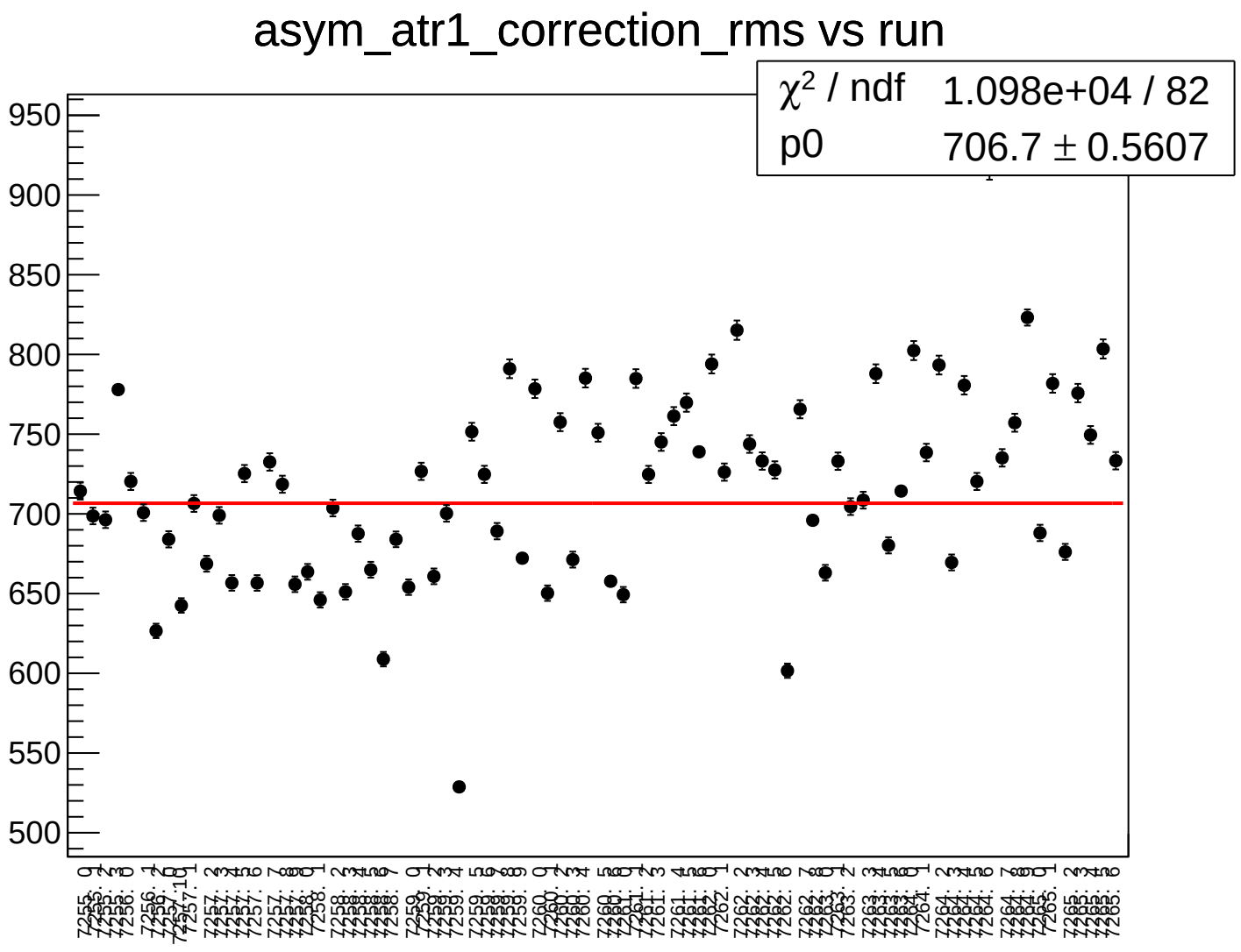

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 82.86 / 82
p0 −1406 ± 3165
pull
Entries 83
Mean 63.72
Std Dev 44.24

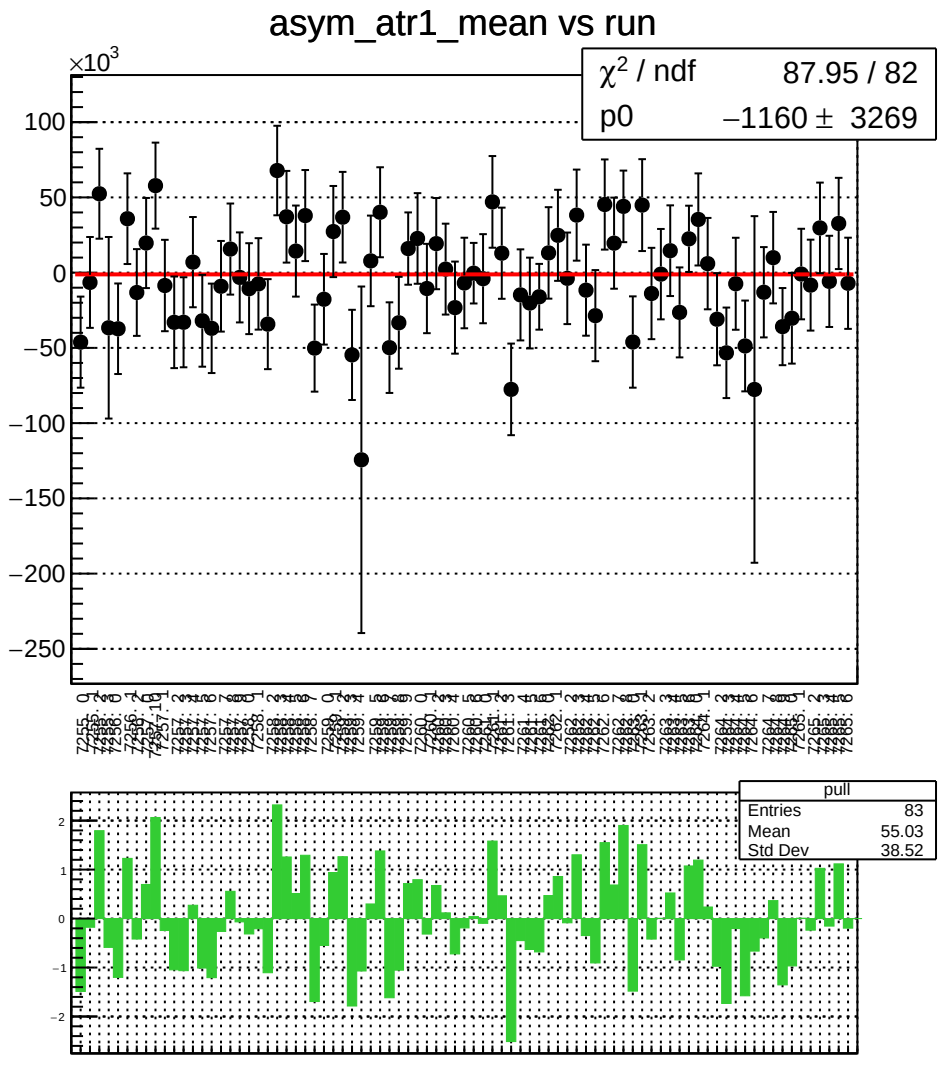

pull1D
Entries 83
Mean −0.02542
Std Dev 0.9988

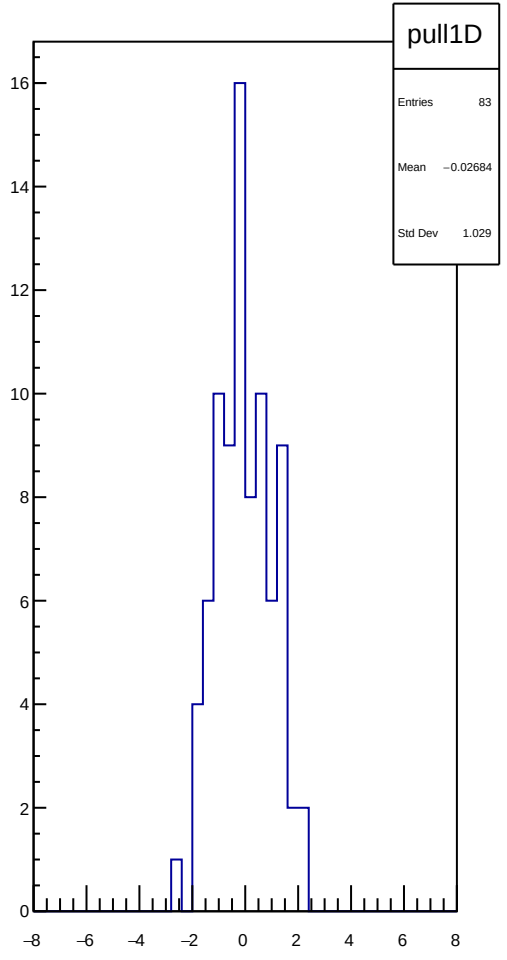

reg_asym_atr1_rms vs run
χ^2 / ndf 3.507e+04 / 82
p0 2800 ± 2.238
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

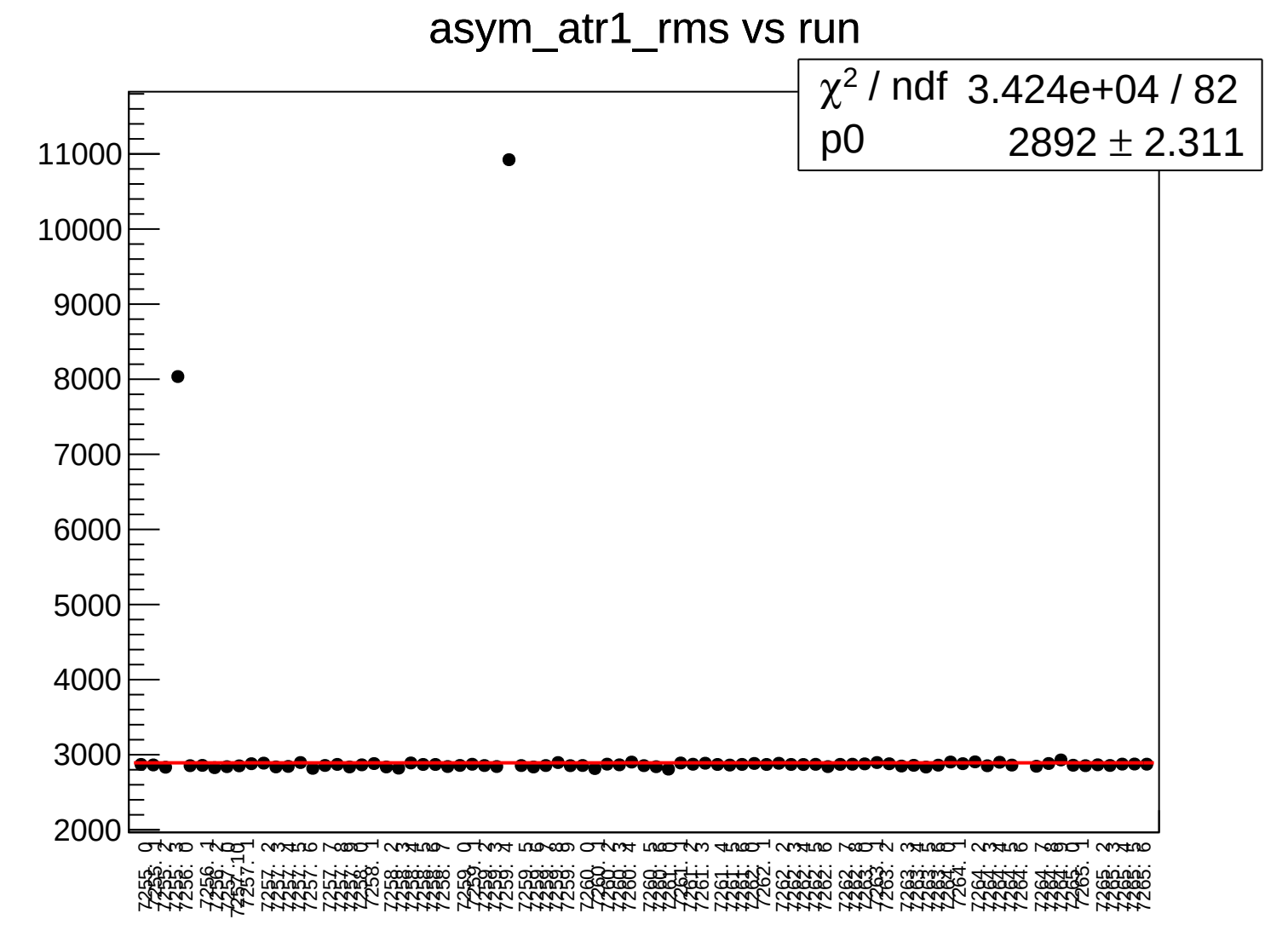

asym_atr1_correction_mean vs run
χ² / ndf 63.13 / 82
p0 −410.4 ± 792.9
pull
Entries 83
Mean 29.48
Std Dev 63.08

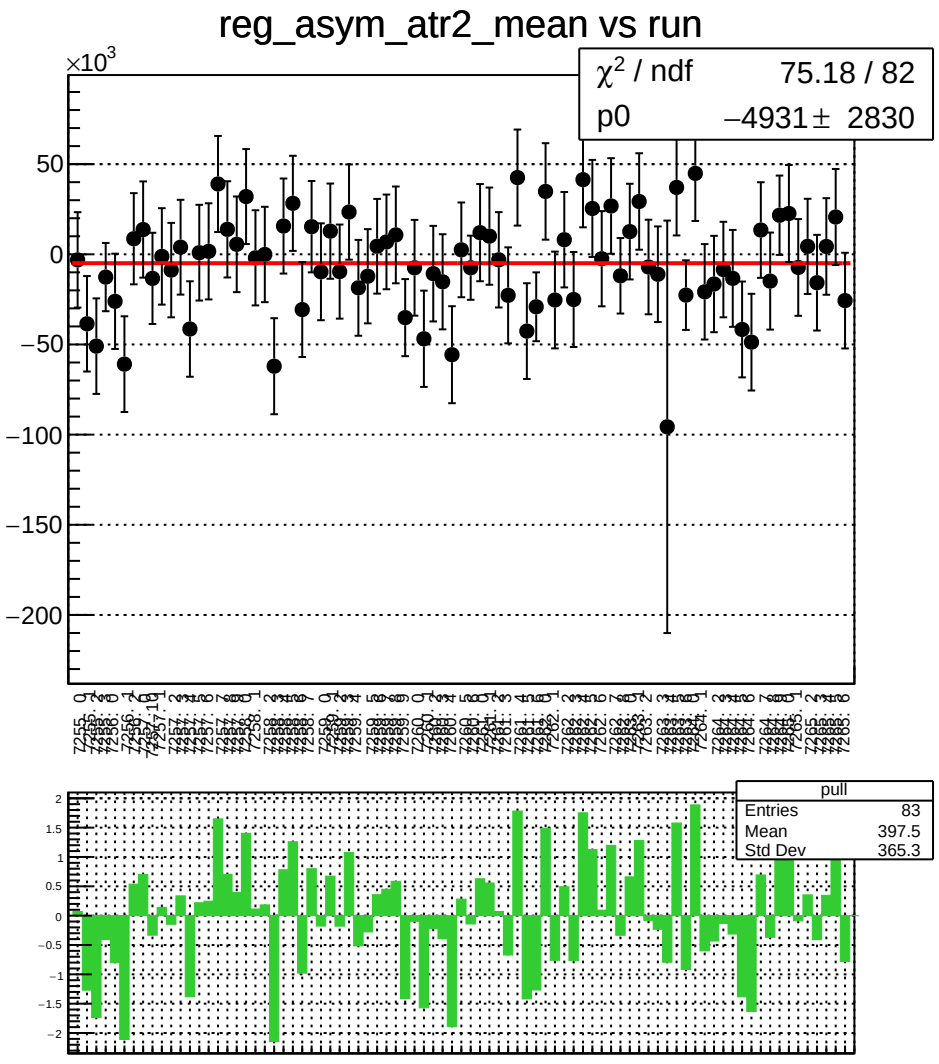

pull1D
Entries 83
Mean 0.01631
Std Dev 0.8719

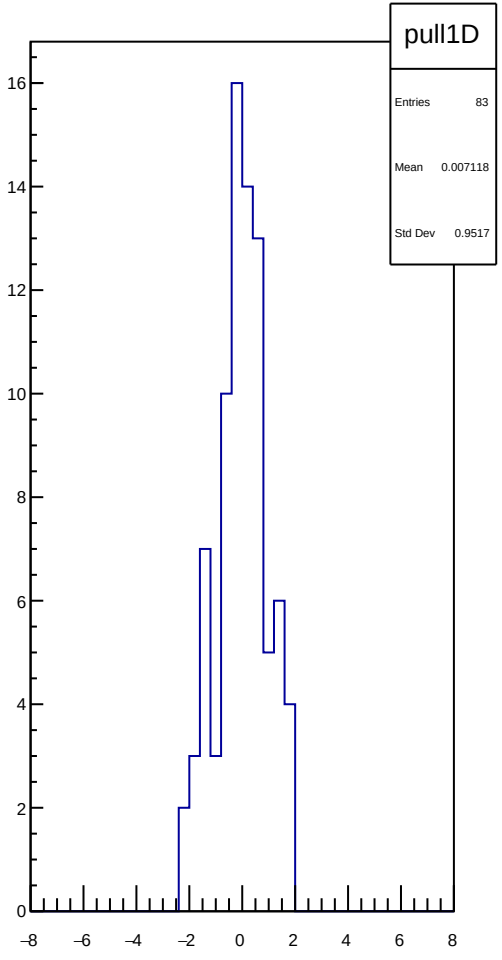

asym_atr1_correction_rms vs run
χ² / ndf 1.098e+04 / 82
p0 706.7 ± 0.5607
950
900
850
800
750
700
650
600
550
500

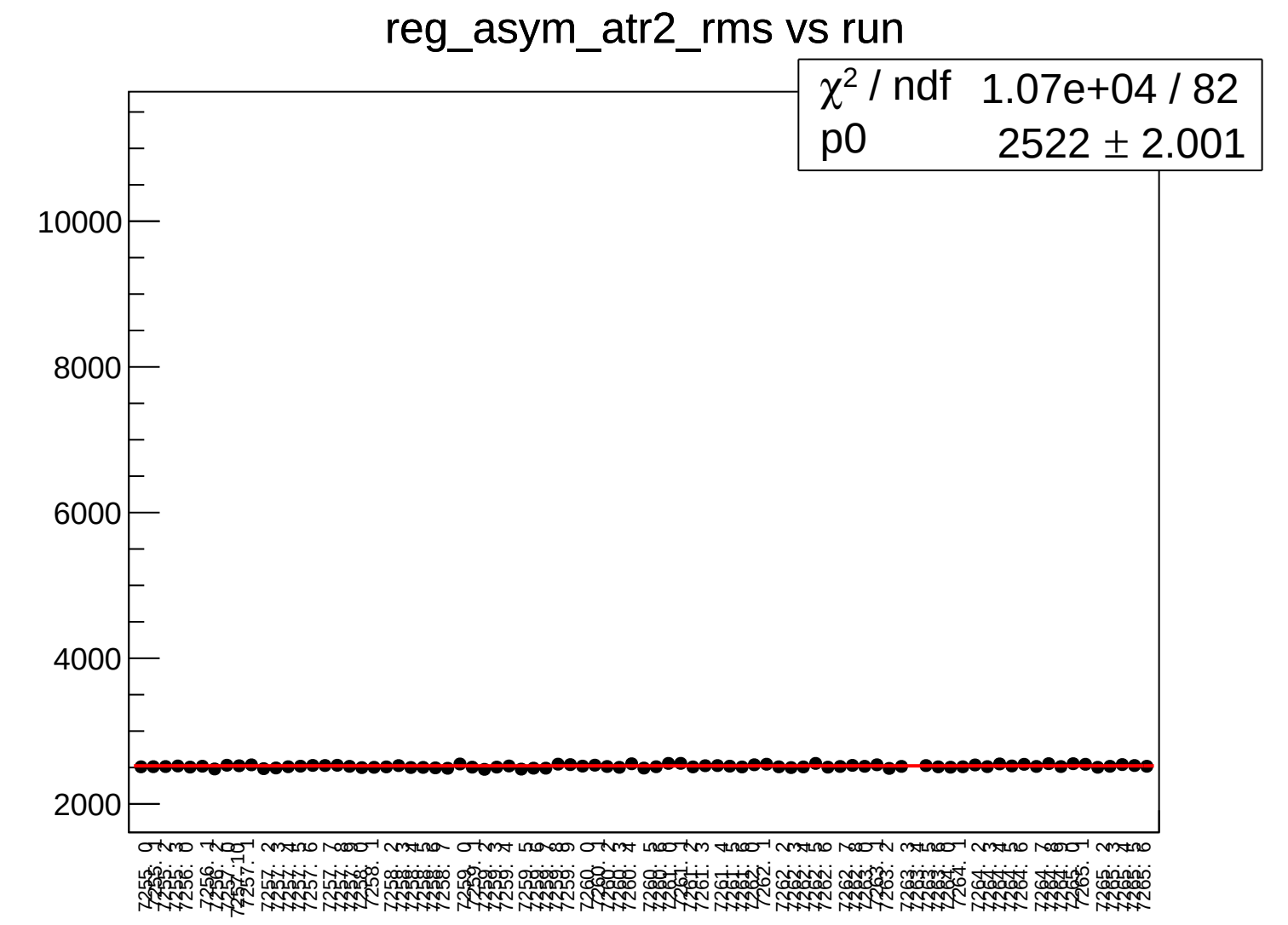

asym_atr1_mean vs run
×10^3
χ² / ndf 87.95 / 82
p0 −1160 ± 3269
100
50
0
−50
−100
−150
−200
−250
pull
Entries 83
Mean 55.03
Std Dev 38.52
2
1
0
−1
−2

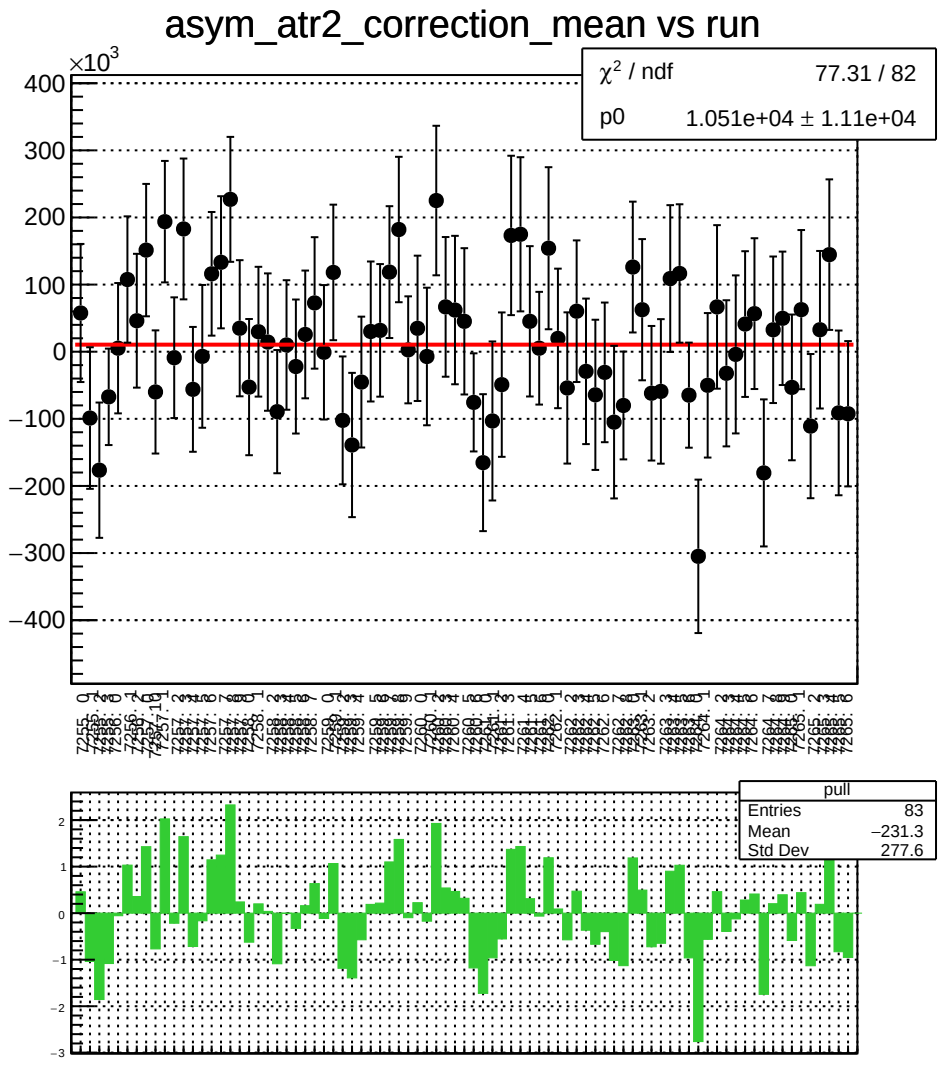

pull1D
Entries 83
Mean −0.02684
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

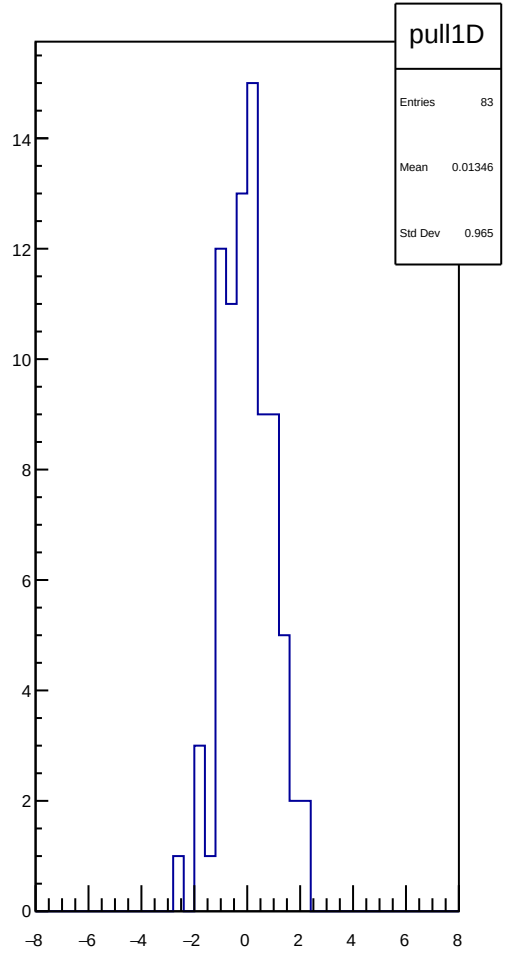

asym_atr1_rms vs run
χ^2 / ndf 3.424e+04 / 82
p0 2892 ± 2.311
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

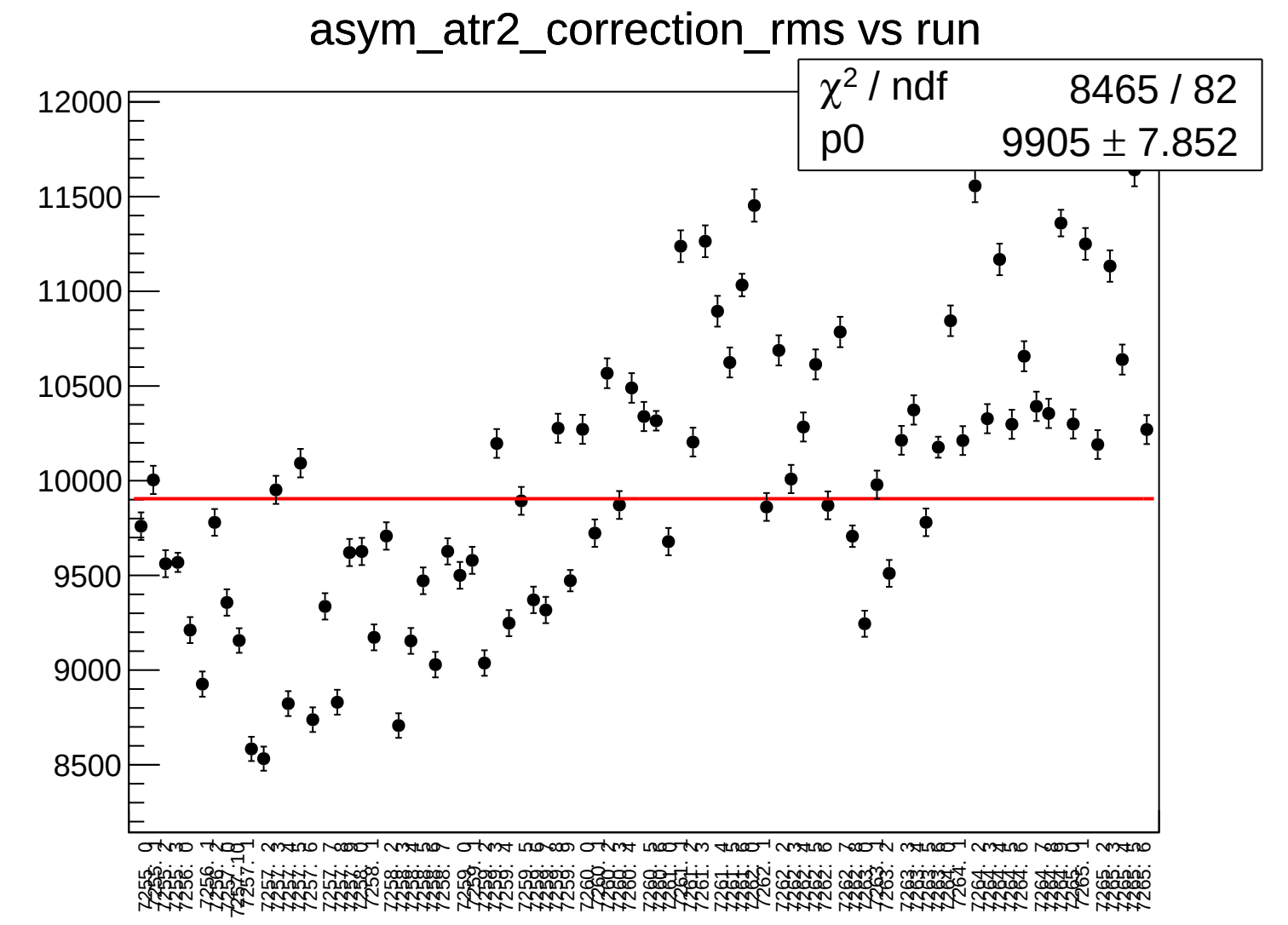

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 75.18 / 82
p0 −4931 ± 2830
pull
Entries 83
Mean 397.5
Std Dev 365.3

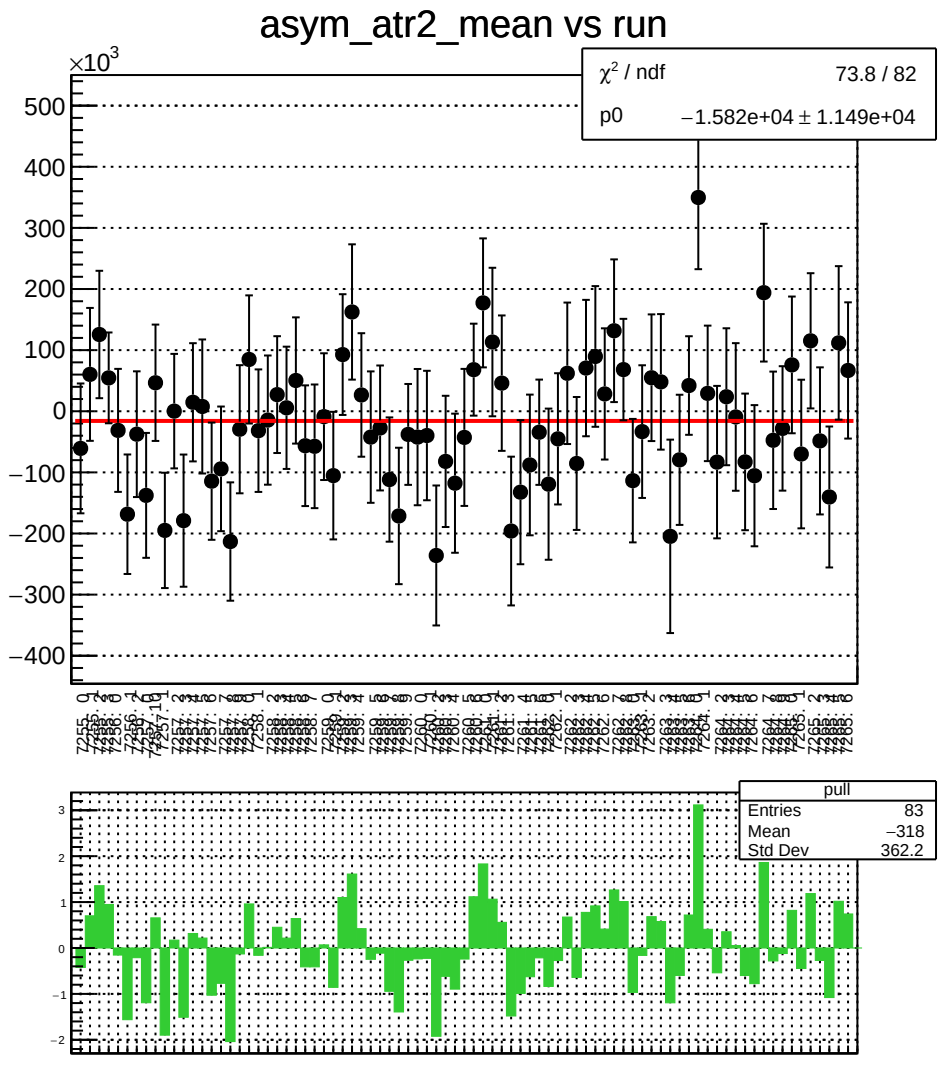

pull1D
Entries 83
Mean 0.007118
Std Dev 0.9517

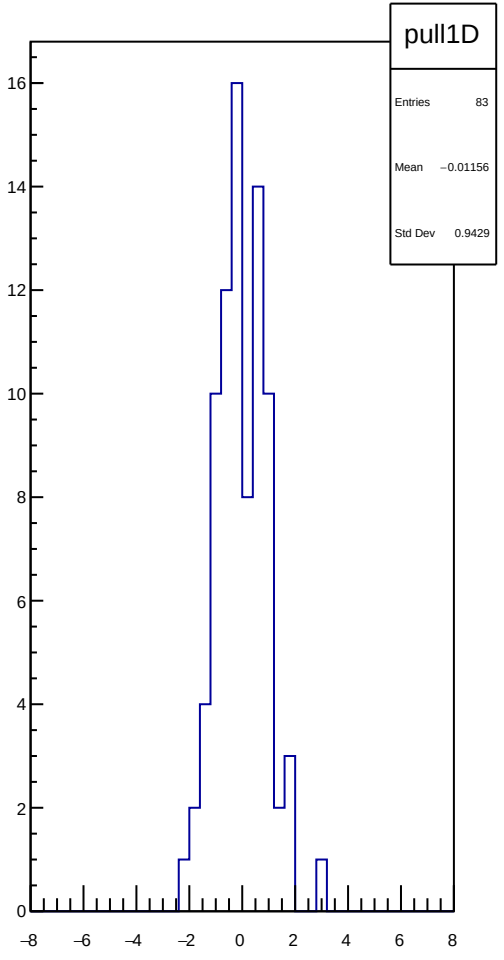

reg_asym_atr2_rms vs run
χ² / ndf 1.07e+04 / 82
p0 2522 ± 2.001
10000
8000
6000
4000
2000

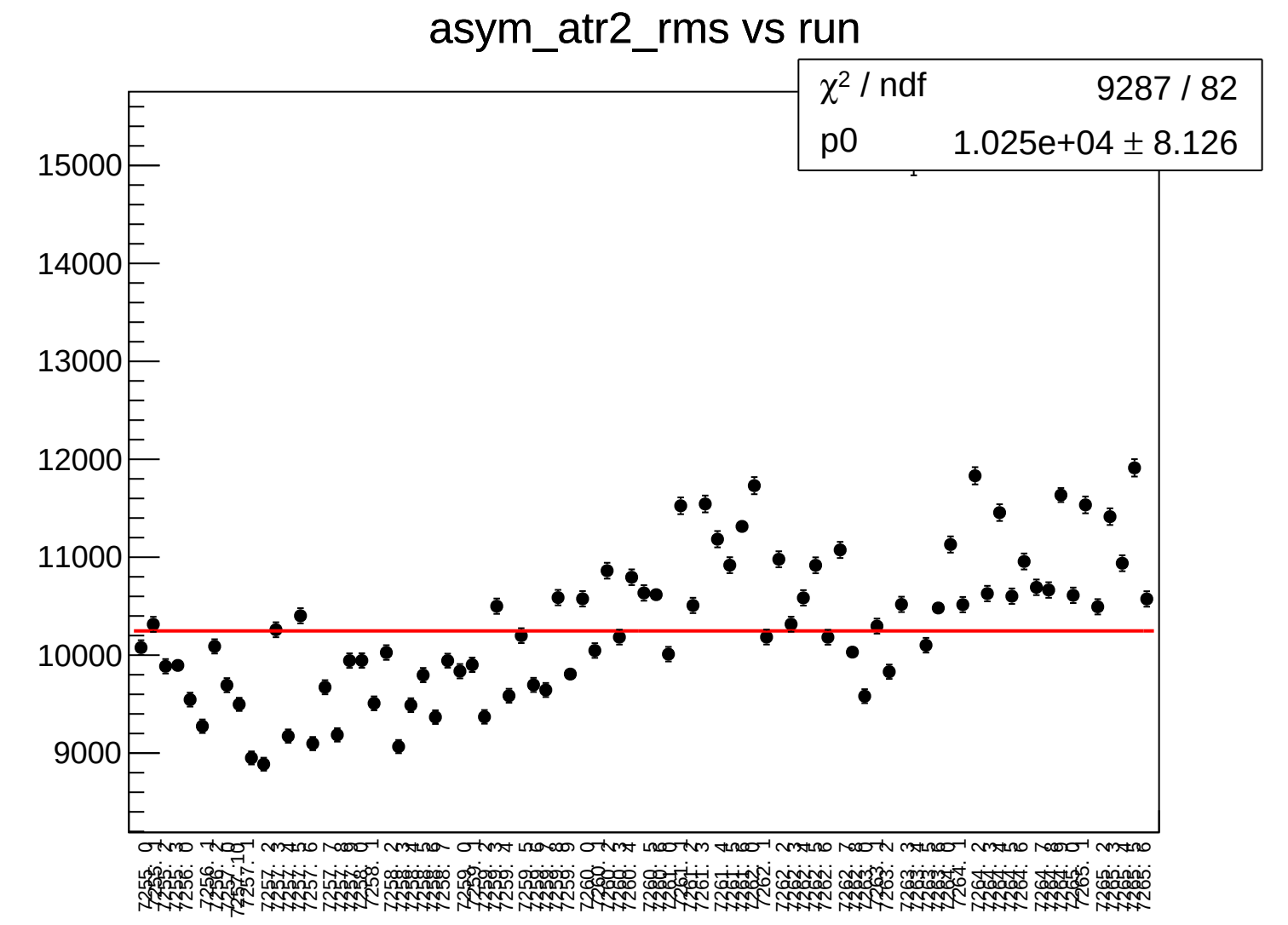

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 77.31 / 82
p0 1.051e+04 ± 1.11e+04
pull
Entries 83
Mean −231.3
Std Dev 277.6

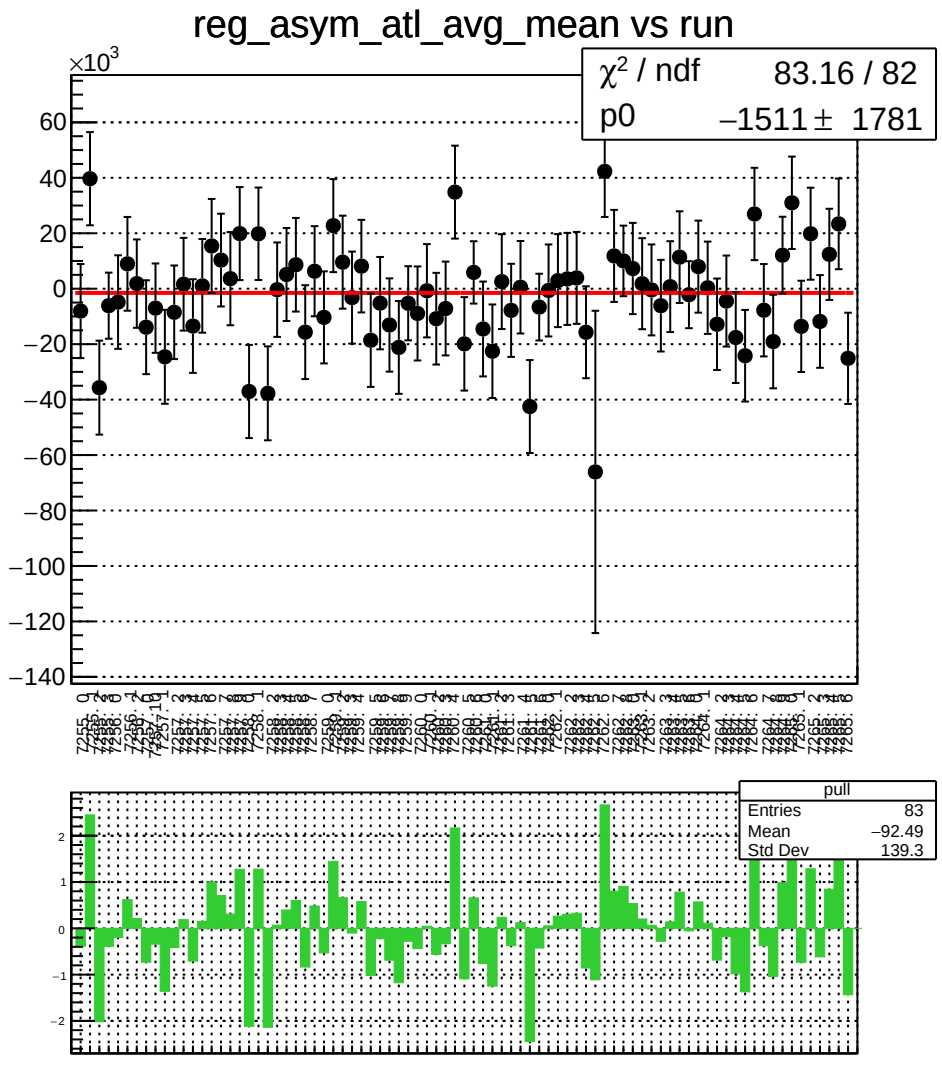

pull1D
Entries 83
Mean 0.01346
Std Dev 0.965

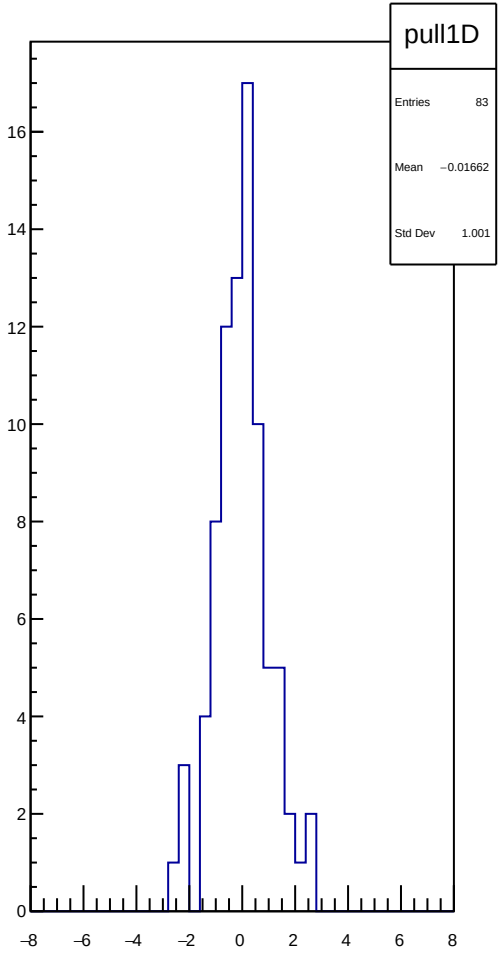

asym_atr2_correction_rms vs run
χ² / ndf 8465 / 82
p0 9905 ± 7.852
12000
11500
11000
10500
10000
9500
9000
8500

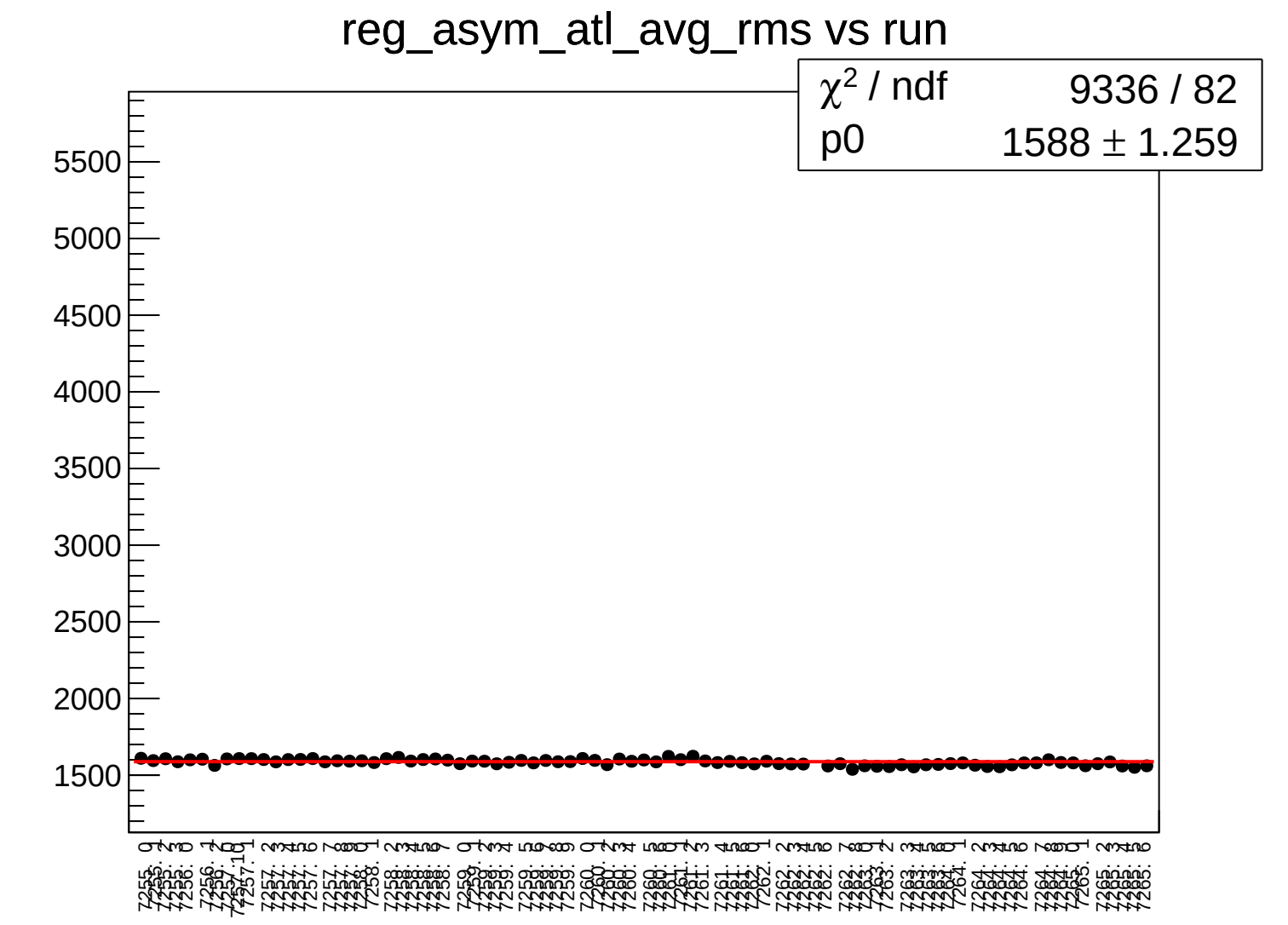

asym_atr2_mean vs run
×10^3
χ² / ndf 73.8 / 82
p0 −1.582e+04 ± 1.149e+04
pull
Entries 83
Mean −318
Std Dev 362.2

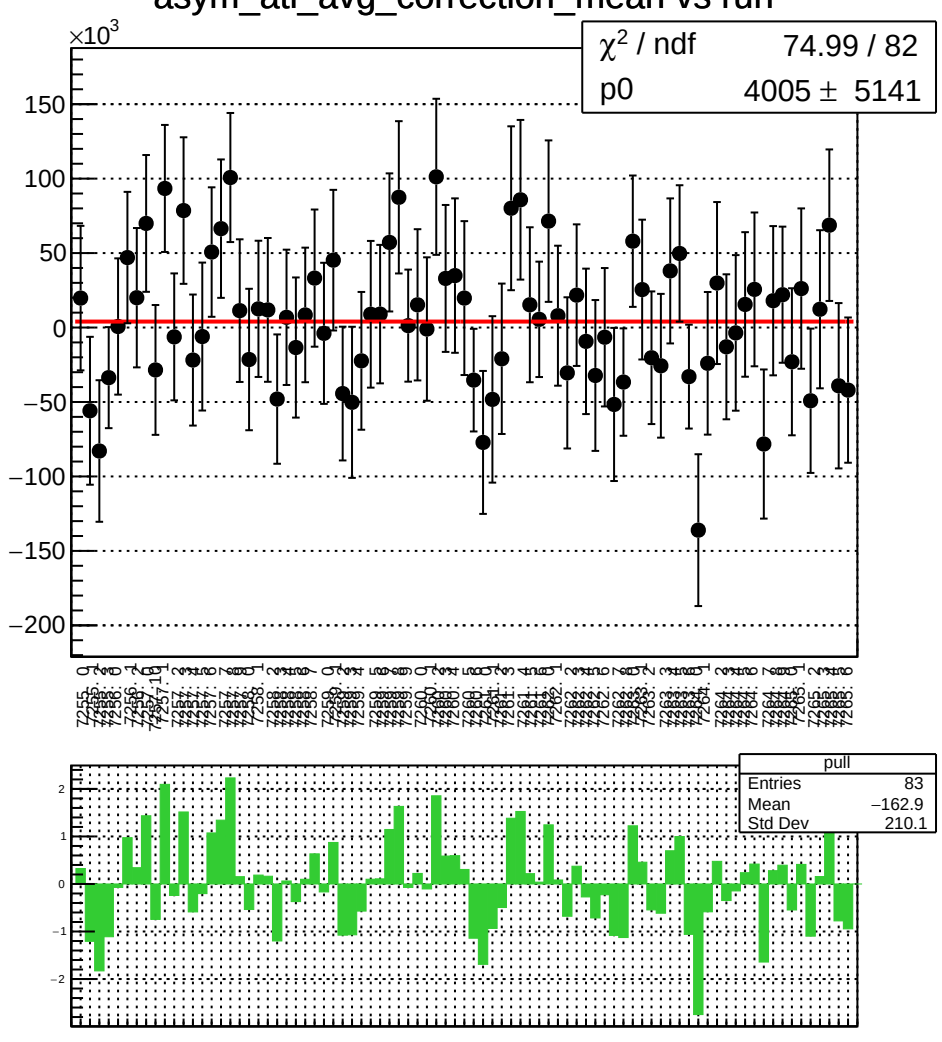

pull1D
Entries 83
Mean −0.01156
Std Dev 0.9429

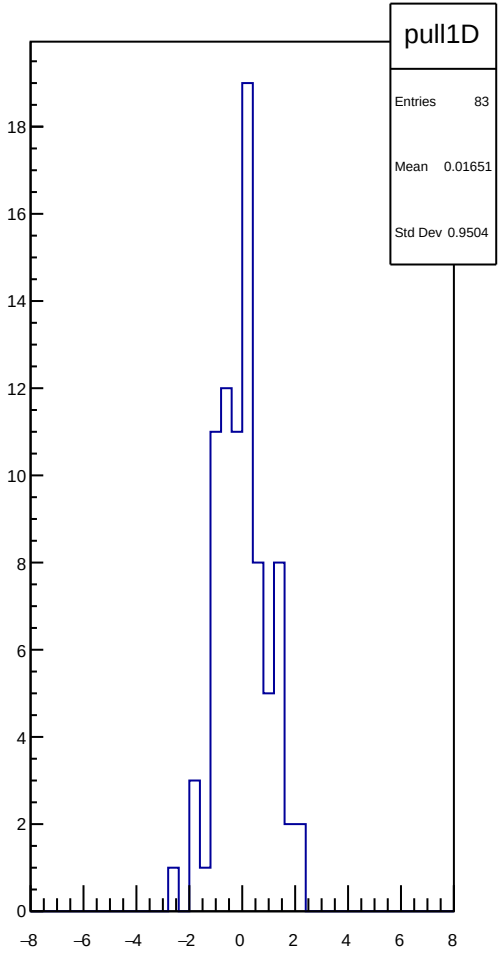

asym_atr2_rms vs run
χ² / ndf 9287 / 82
p0 1.025e+04 ± 8.126
15000
14000
13000
12000
11000
10000
9000

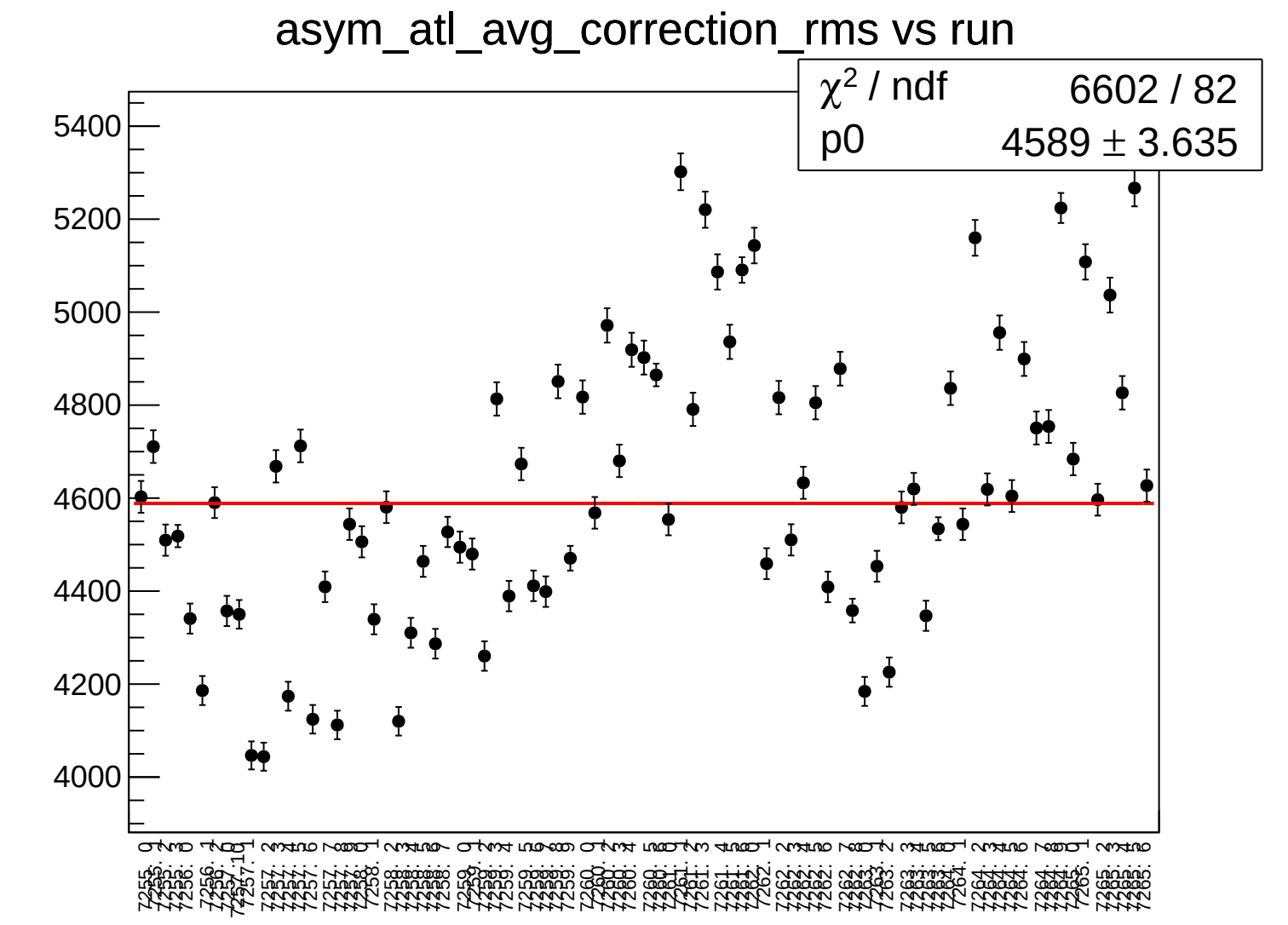

reg_asym_atl_avg_mean vs run
×10^3
χ² / ndf 83.16 / 82
p0 −1511 ± 1781
pull
Entries 83
Mean −92.49
Std Dev 139.3

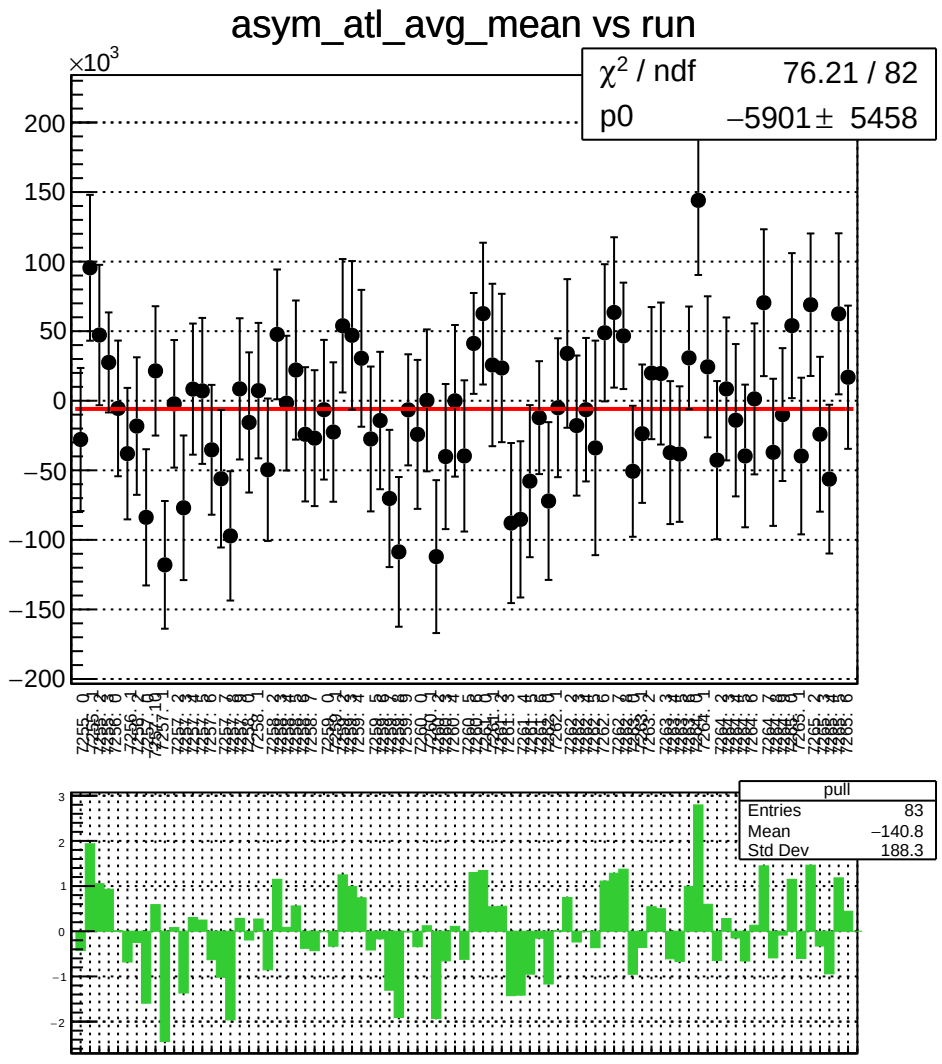

pull1D
Entries 83
Mean −0.01662
Std Dev 1.001

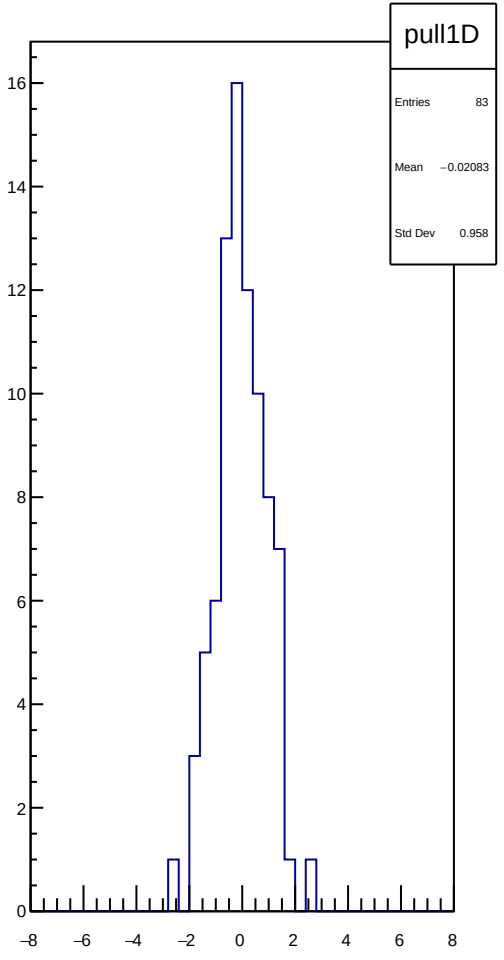

reg_asym_atl_avg_rms vs run
χ^2 / ndf 9336 / 82
p0 1588 ± 1.259
5500
5000
4500
4000
3500
3000
2500
2000
1500

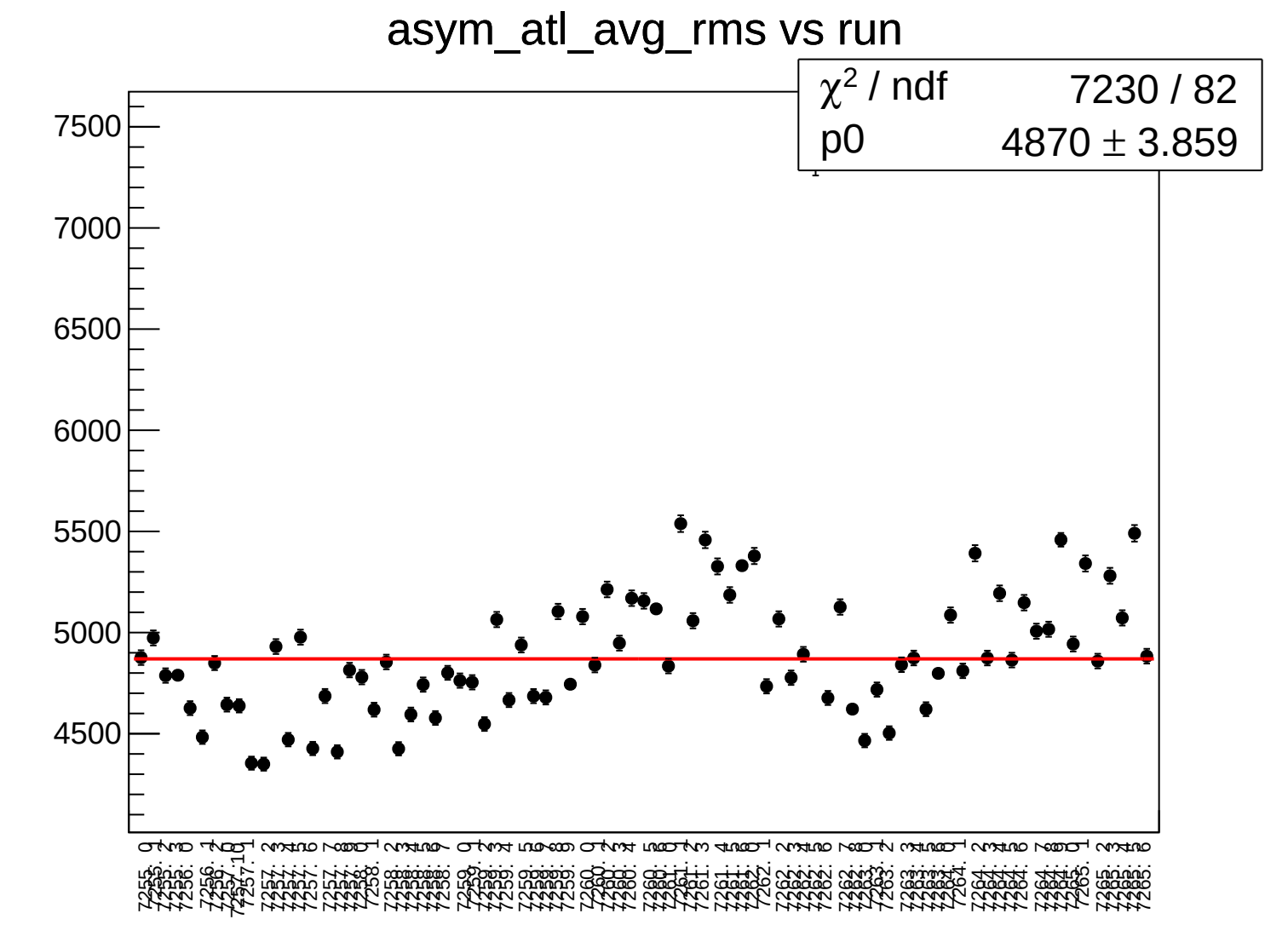

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 74.99 / 82
p0 4005 ± 5141
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −162.9
Std Dev 210.1
2
1
0
−1
−2

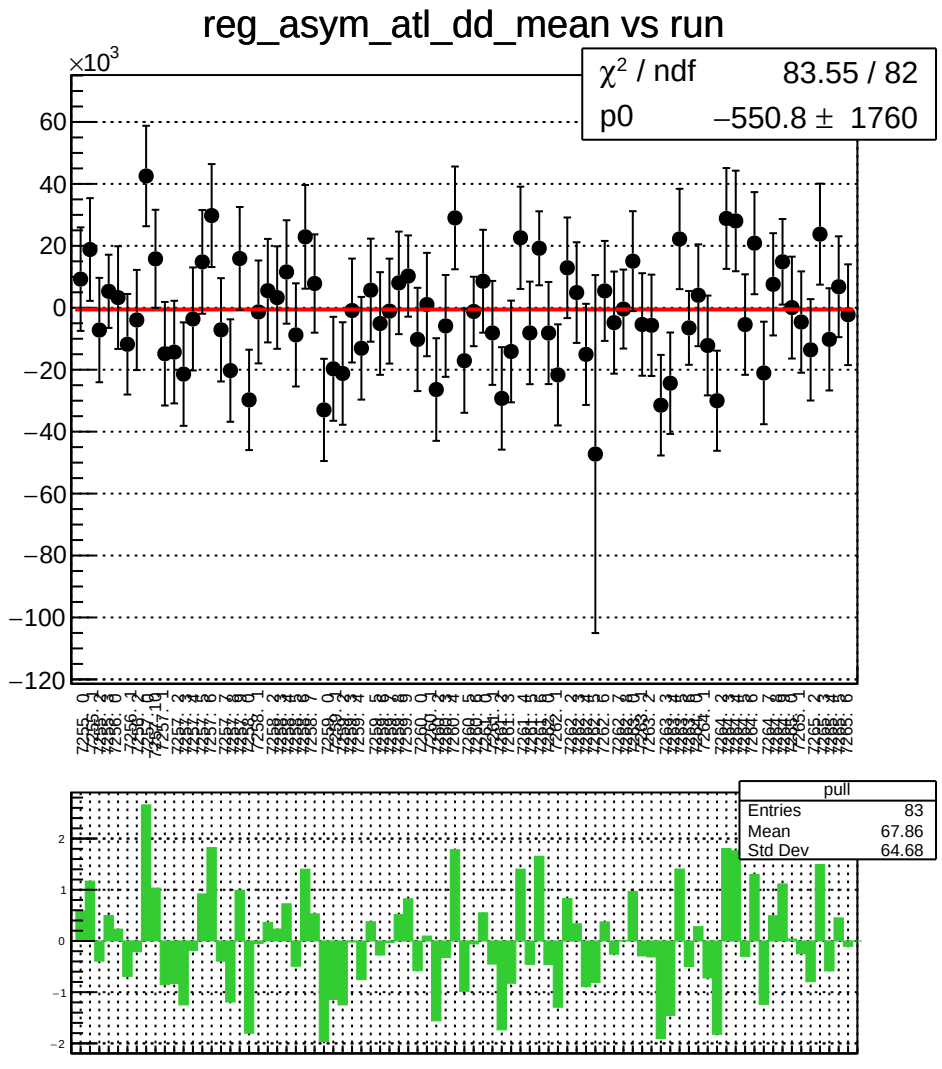

pull1D
Entries 83
Mean 0.01651
Std Dev 0.9504
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

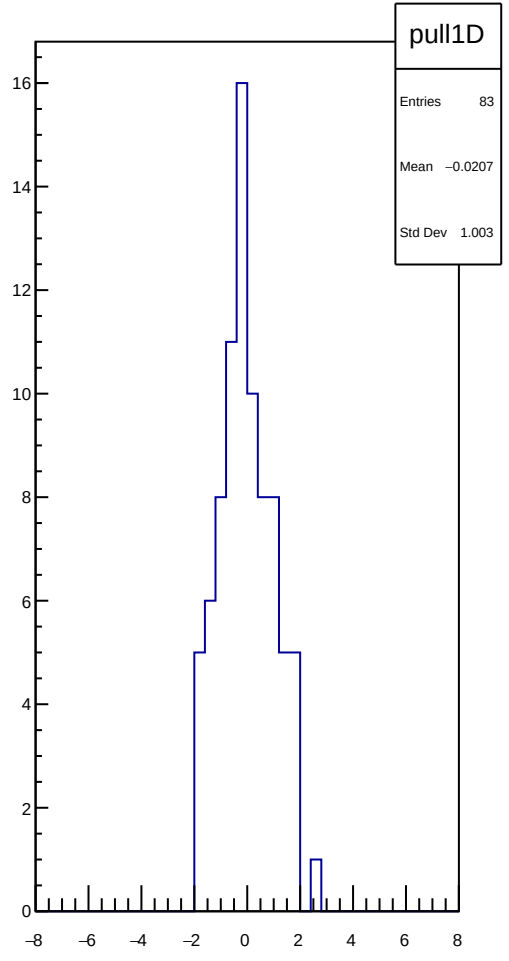

asym_atl_avg_correction_rms vs run
χ² / ndf 6602 / 82
p0 4589 ± 3.635
5400
5200
5000
4800
4600
4400
4200
4000

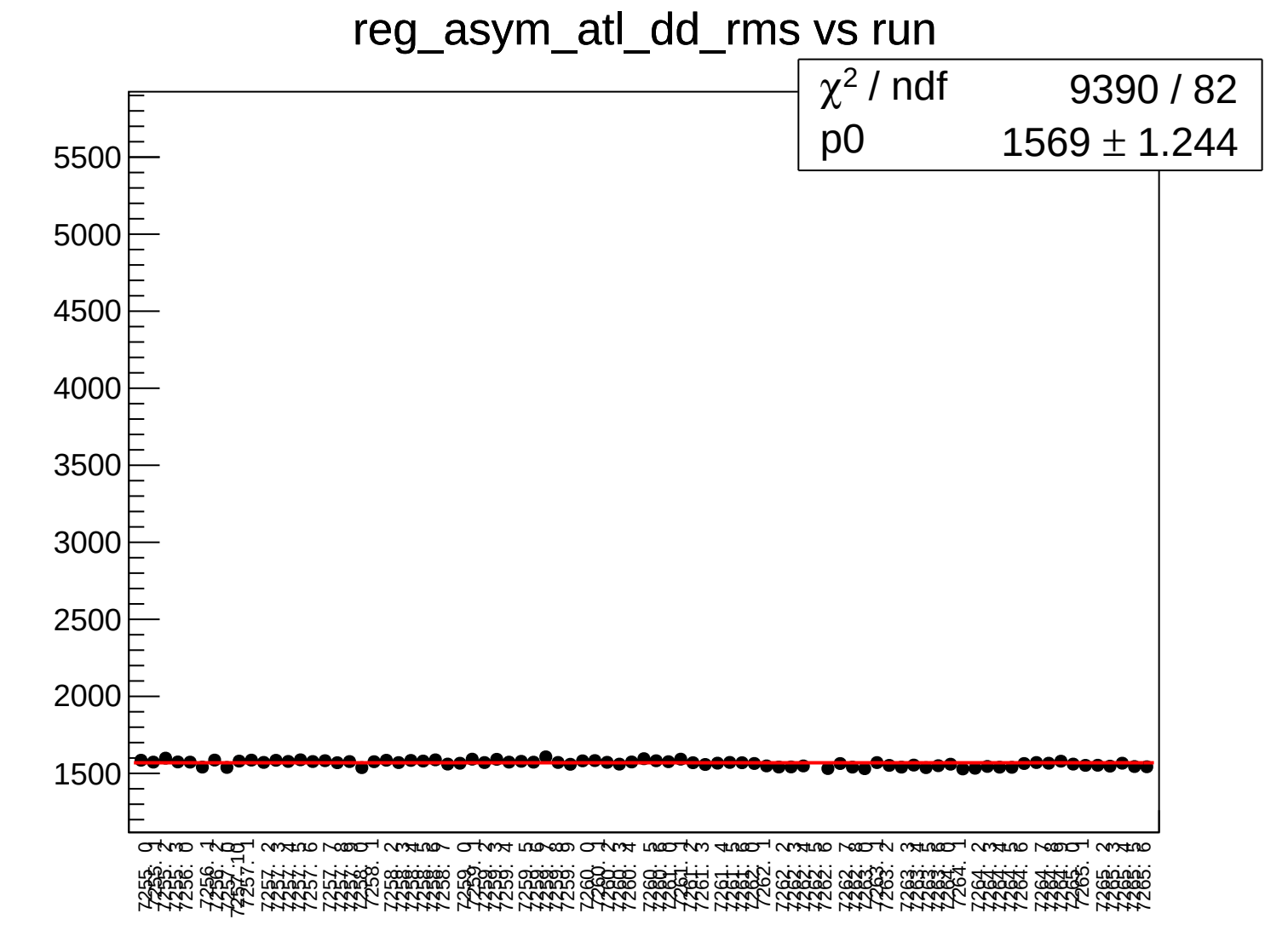

asym_atl_avg_mean vs run
×10^3
χ² / ndf 76.21 / 82
p0 −5901 ± 5458
pull
Entries 83
Mean −140.8
Std Dev 188.3

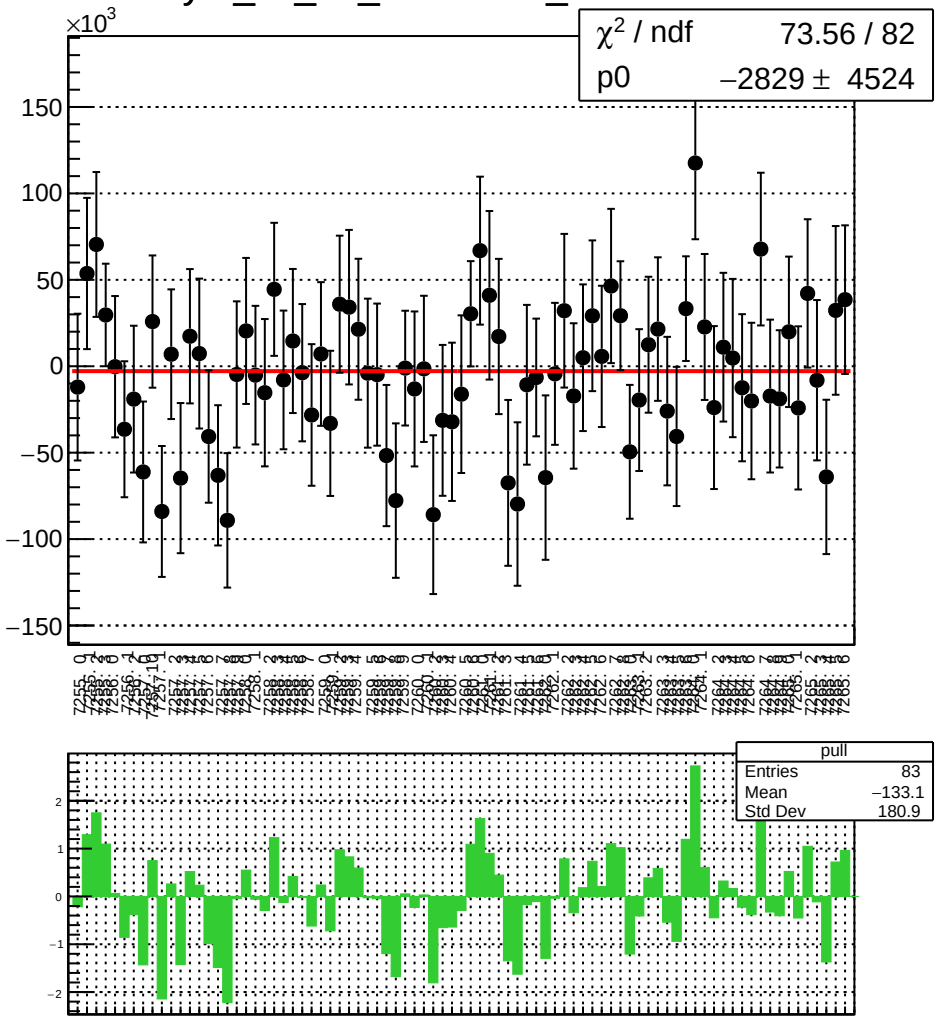

pull1D
Entries 83
Mean −0.02083
Std Dev 0.958

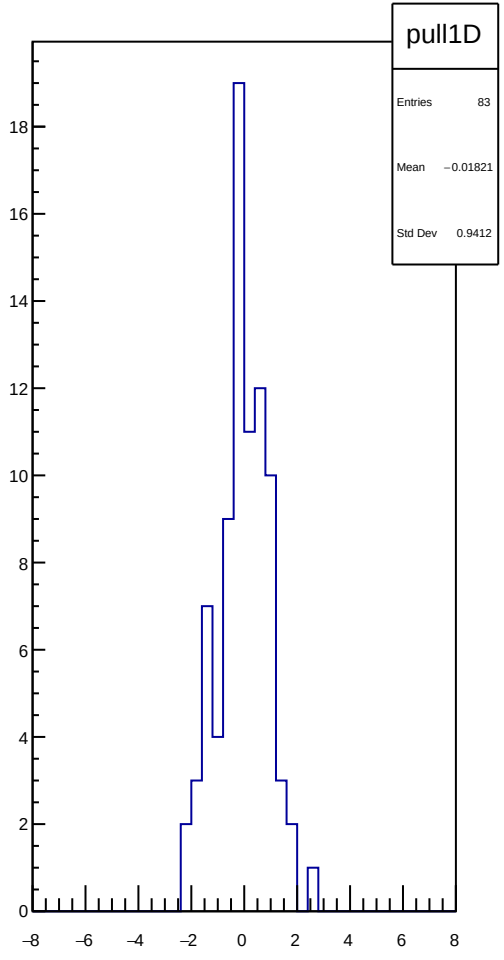

asym_atl_avg_rms vs run
χ^2 / ndf 7230 / 82
p0 4870 ± 3.859
7500
7000
6500
6000
5500
5000
4500

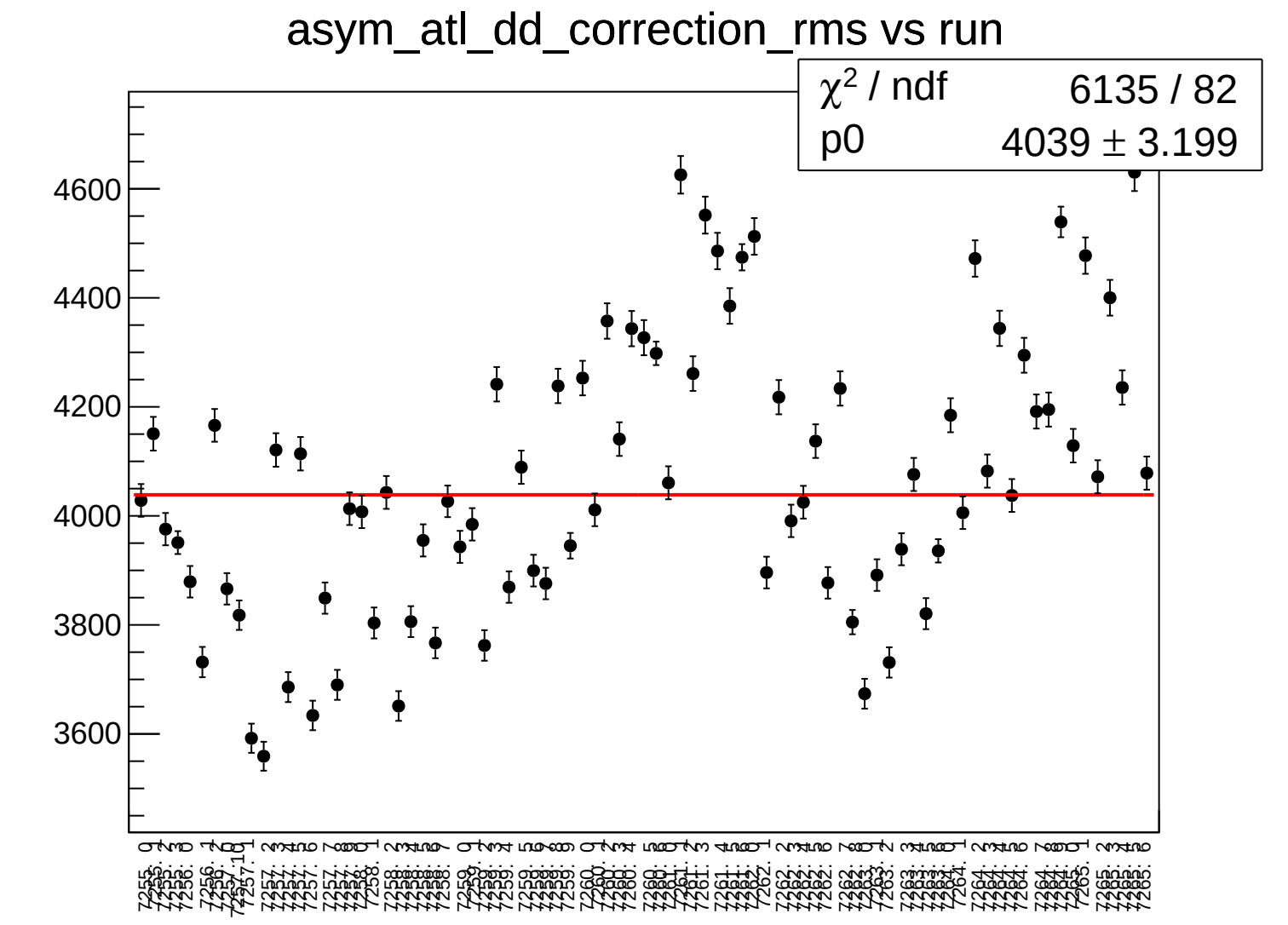

reg_asym_atl_dd_mean vs run
×10^3
χ² / ndf 83.55 / 82
p0 −550.8 ± 1760
pull
Entries 83
Mean 67.86
Std Dev 64.68

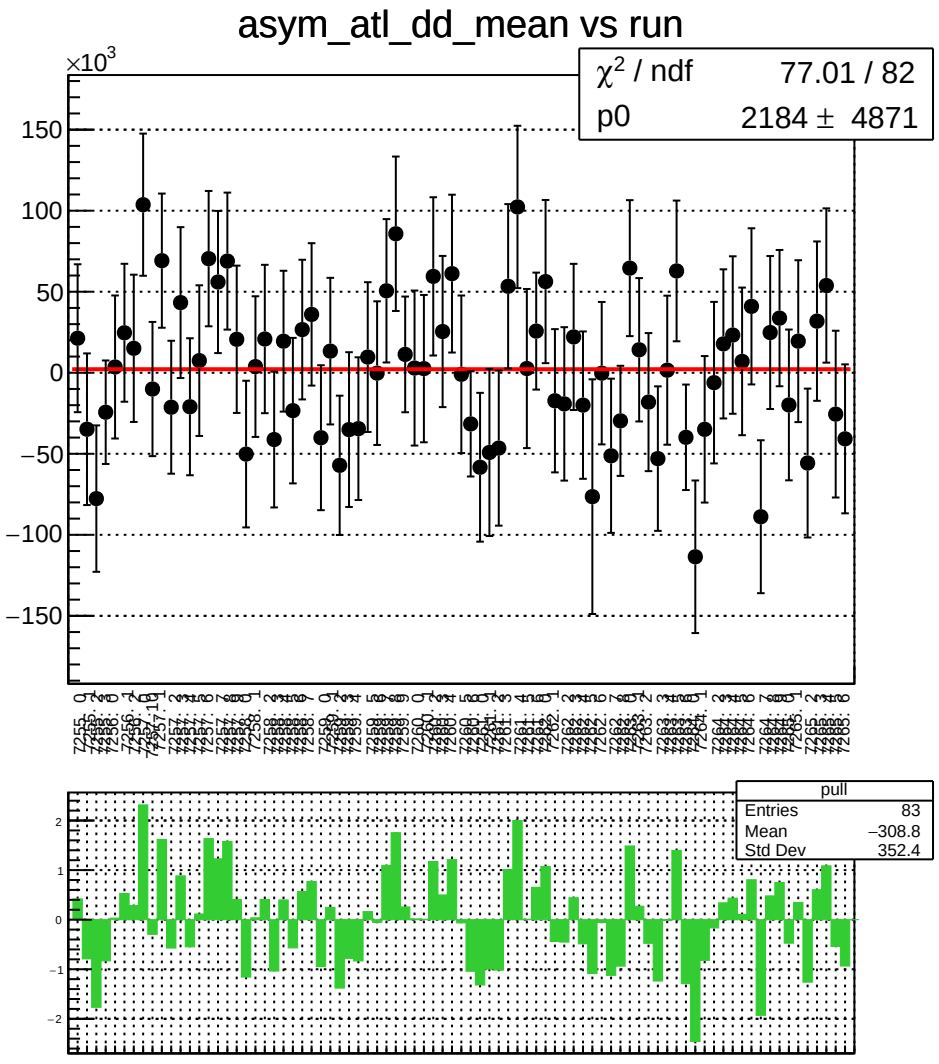

pull1D
Entries 83
Mean −0.0207
Std Dev 1.003

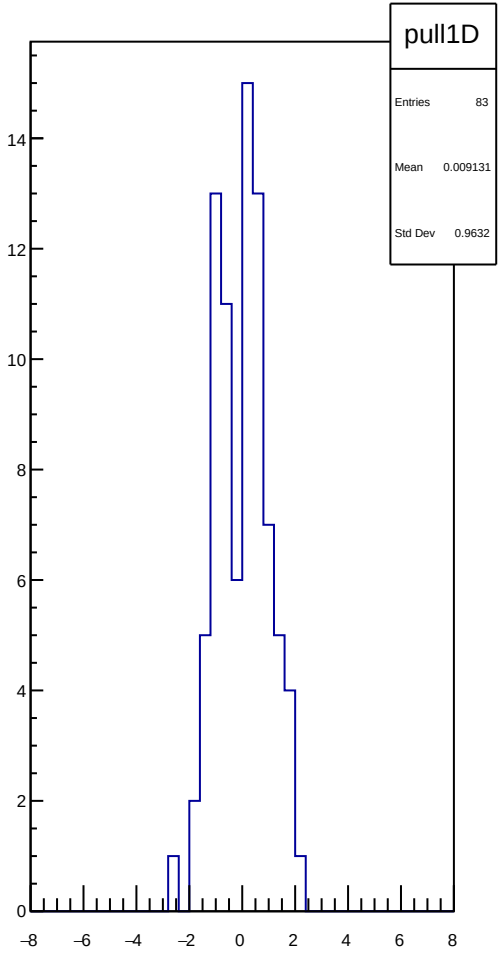

reg_asym_atl_dd_rms vs run
χ^2 / ndf 9390 / 82
p0 1569 ± 1.244
5500
5000
4500
4000
3500
3000
2500
2000
1500

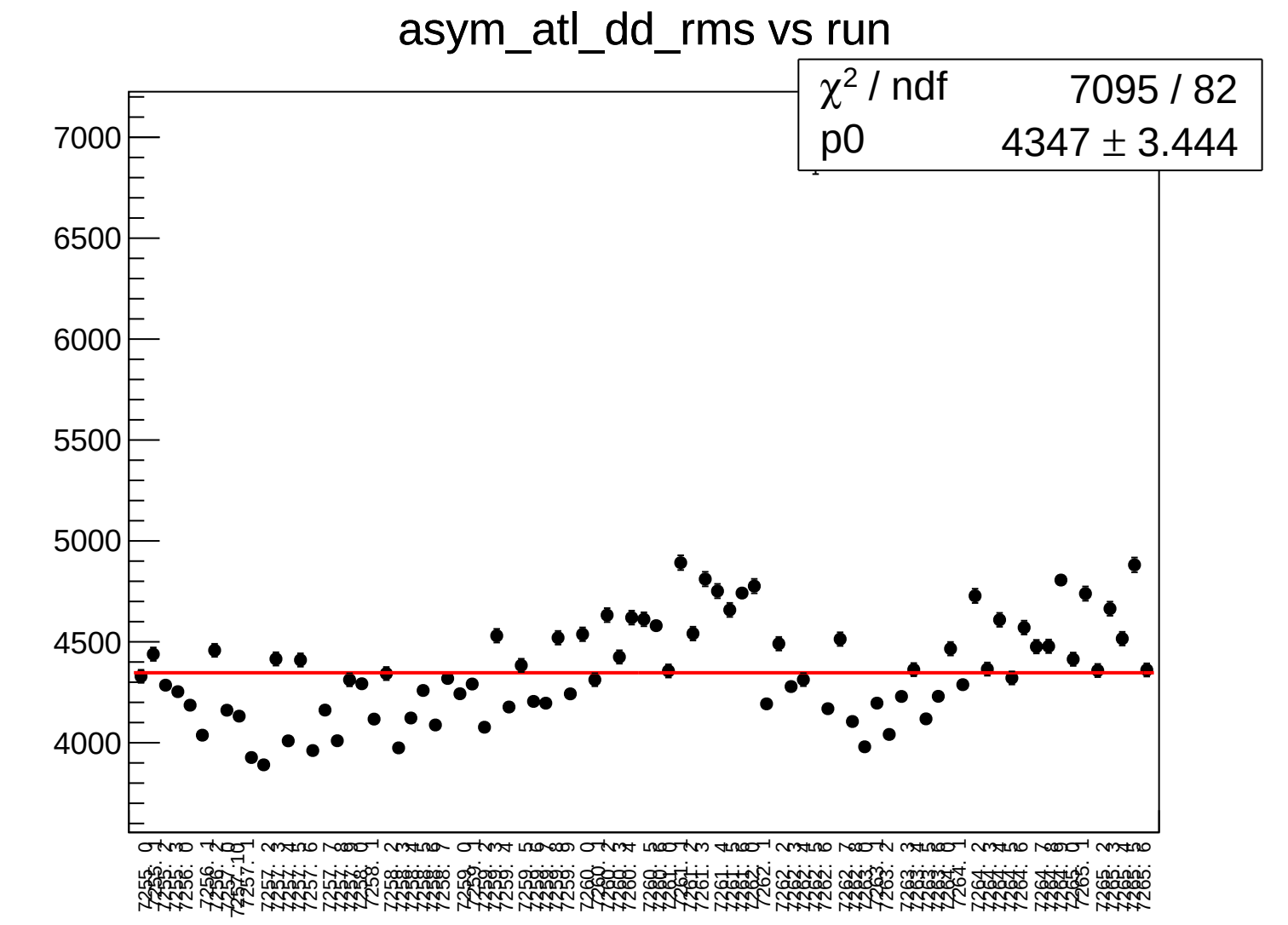

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 73.56 / 82
p0 −2829 ± 4524
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −133.1
Std Dev 180.9
2
1
0
−1
−2

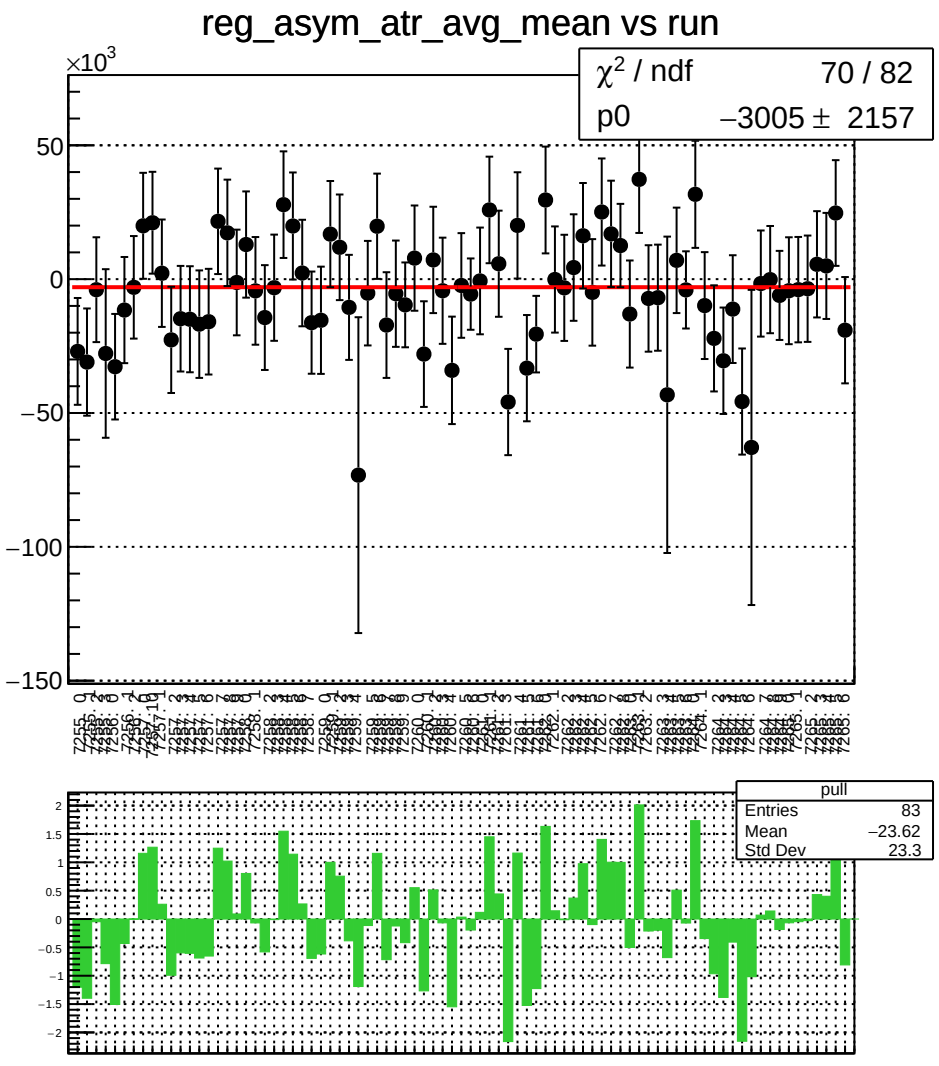

pull1D
Entries 83
Mean −0.01821
Std Dev 0.9412
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

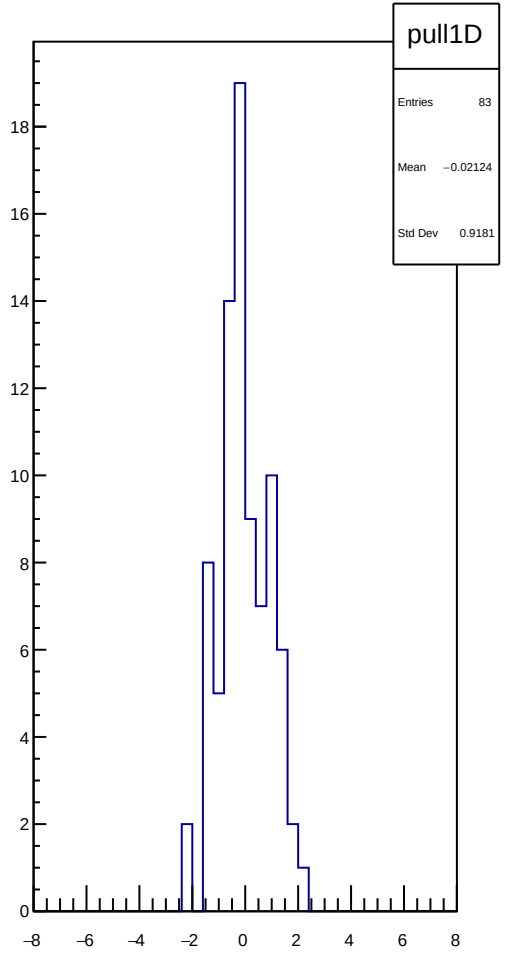

asym_atl_dd_correction_rms vs run
χ² / ndf 6135 / 82
p0 4039 ± 3.199
4600
4400
4200
4000
3800
3600

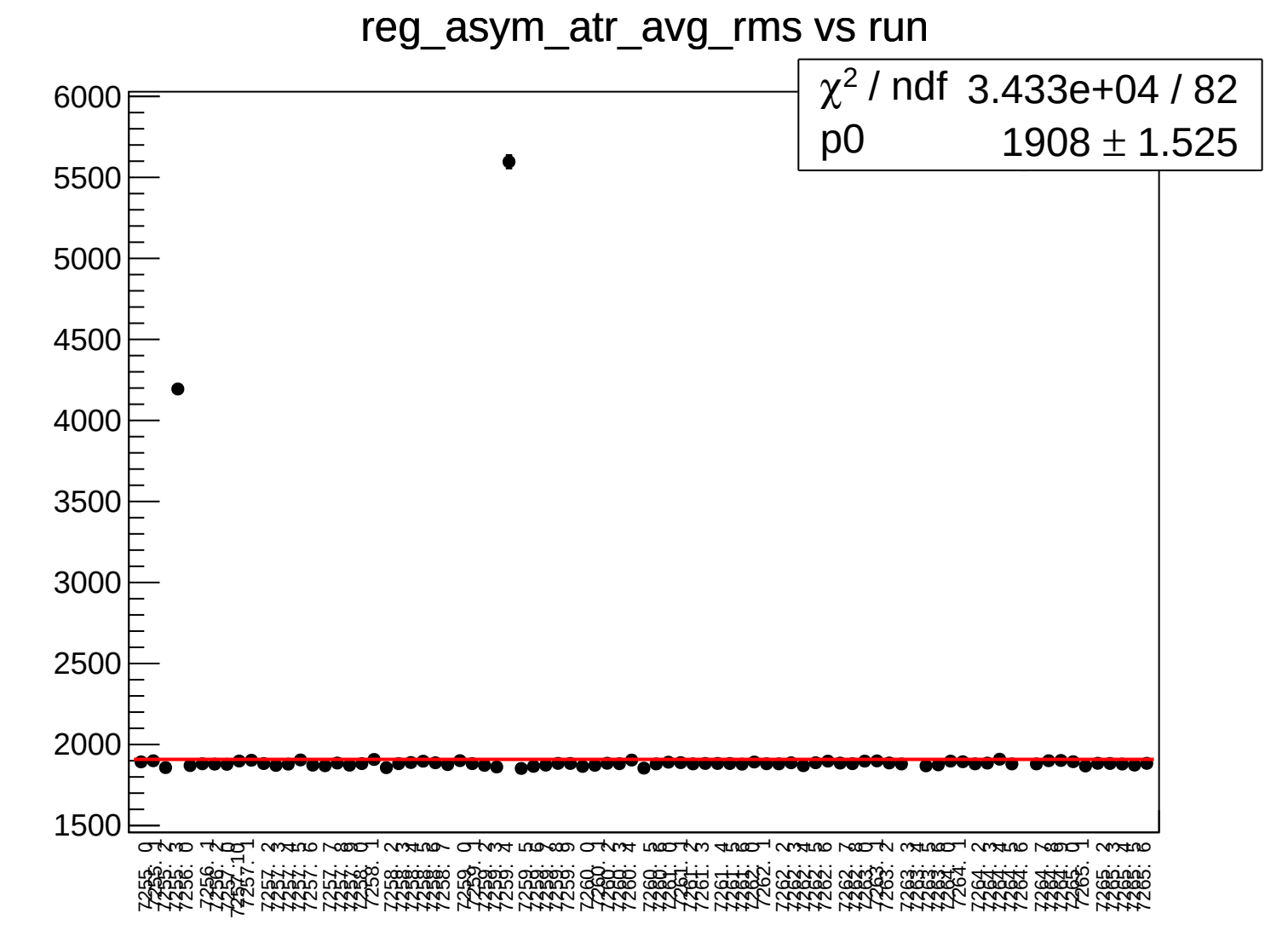

asym_atl_dd_mean vs run
×10^3
χ² / ndf 77.01 / 82
p0 2184 ± 4871
pull
Entries 83
Mean −308.8
Std Dev 352.4

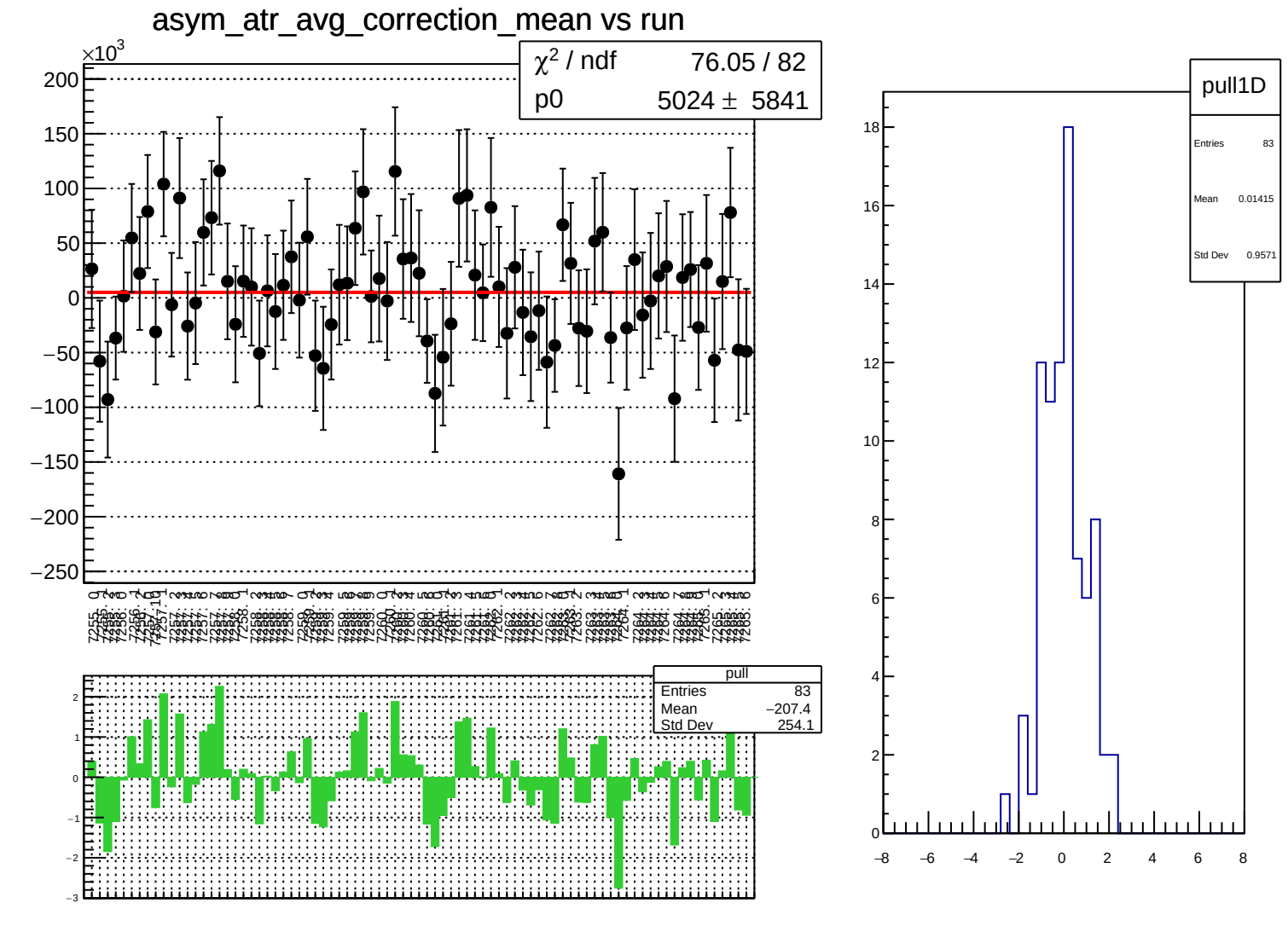

pull1D
Entries 83
Mean 0.009131
Std Dev 0.9632

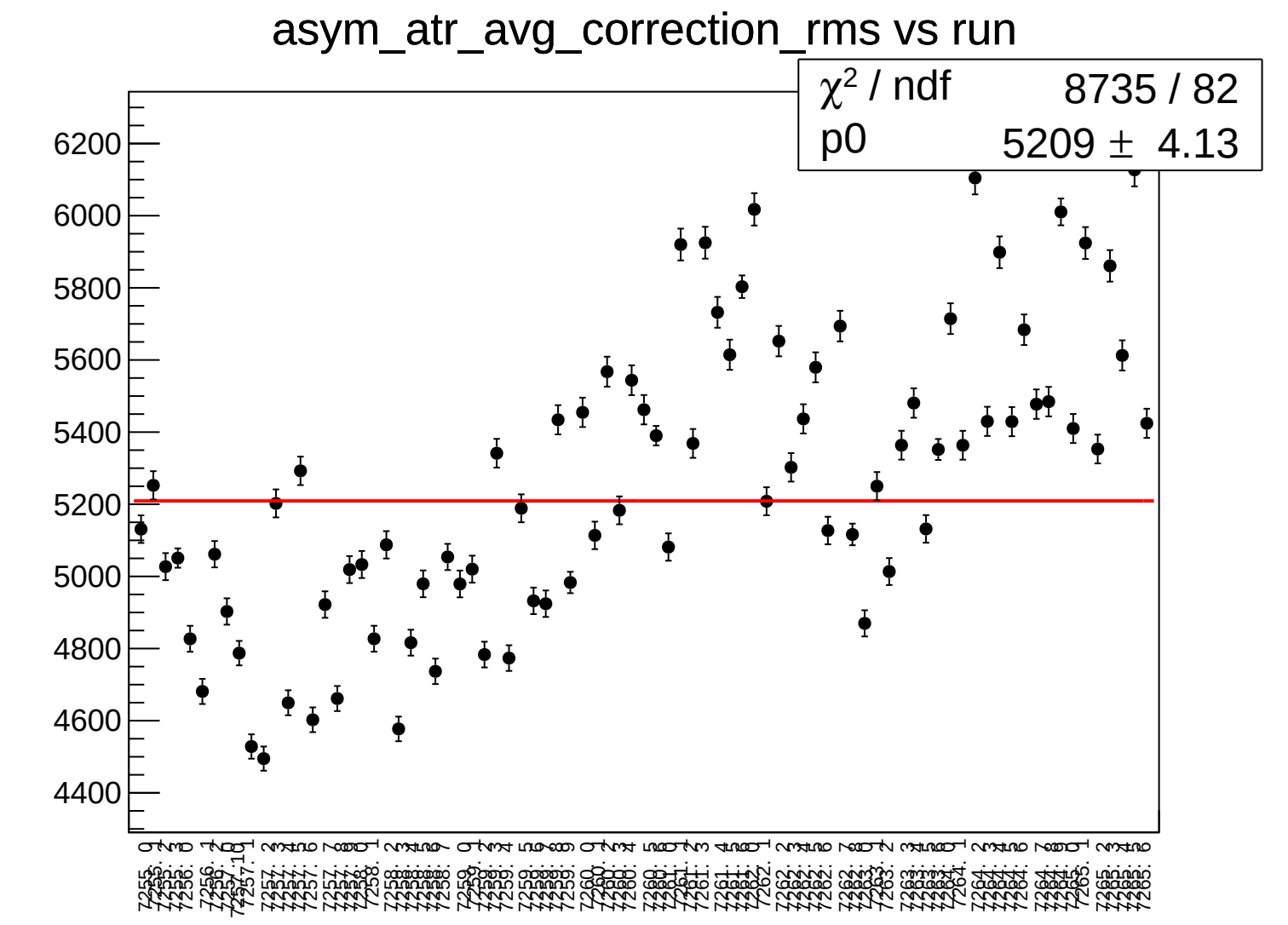

asym_atl_dd_rms vs run
χ² / ndf 7095 / 82
p0 4347 ± 3.444
7000
6500
6000
5500
5000
4500
4000

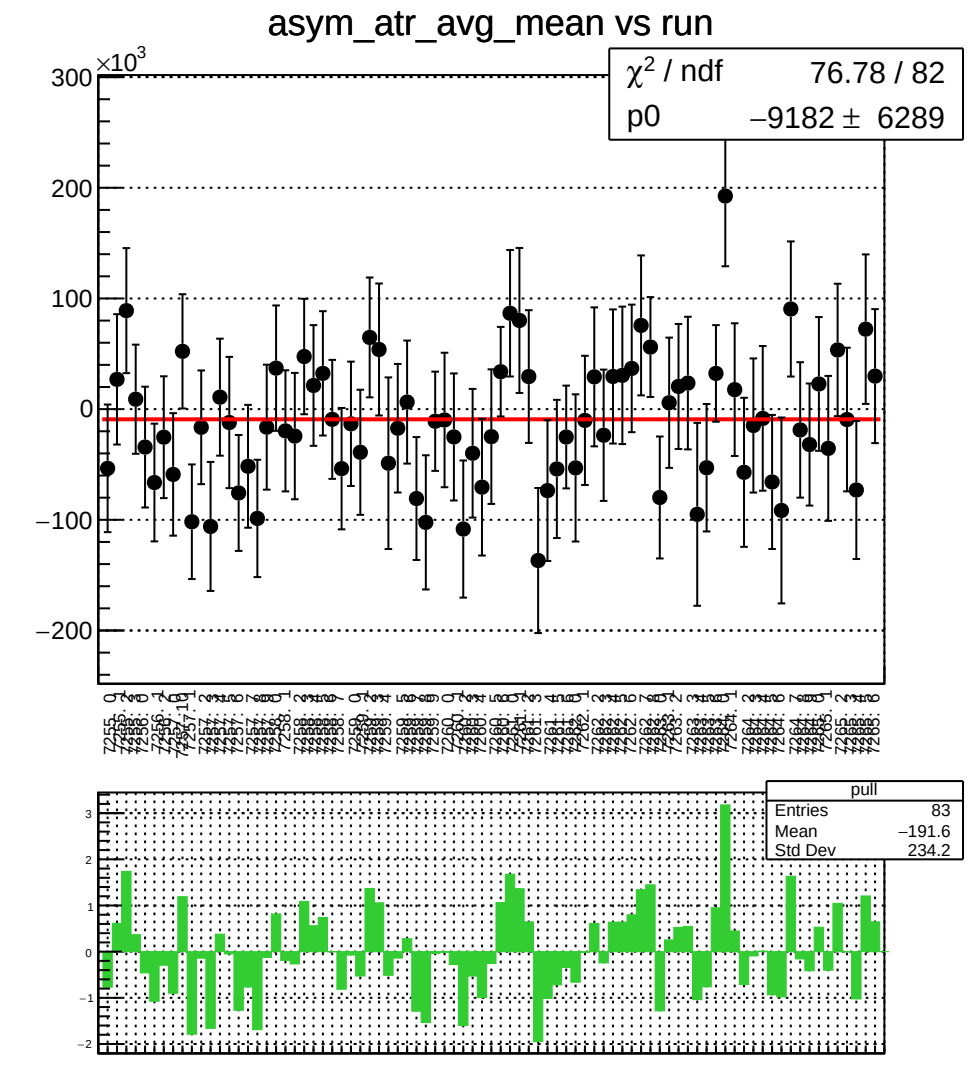

reg_asym_atr_avg_mean vs run
×10^3
χ² / ndf 70 / 82
p0 −3005 ± 2157
50
0
−50
−100
−150
pull
Entries 83
Mean −23.62
Std Dev 23.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

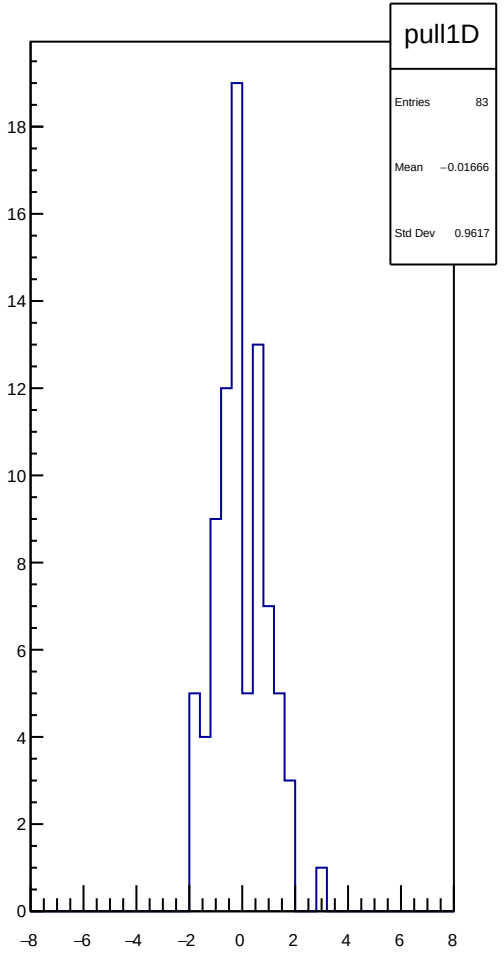

pull1D
Entries 83
Mean −0.02124
Std Dev 0.9181
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

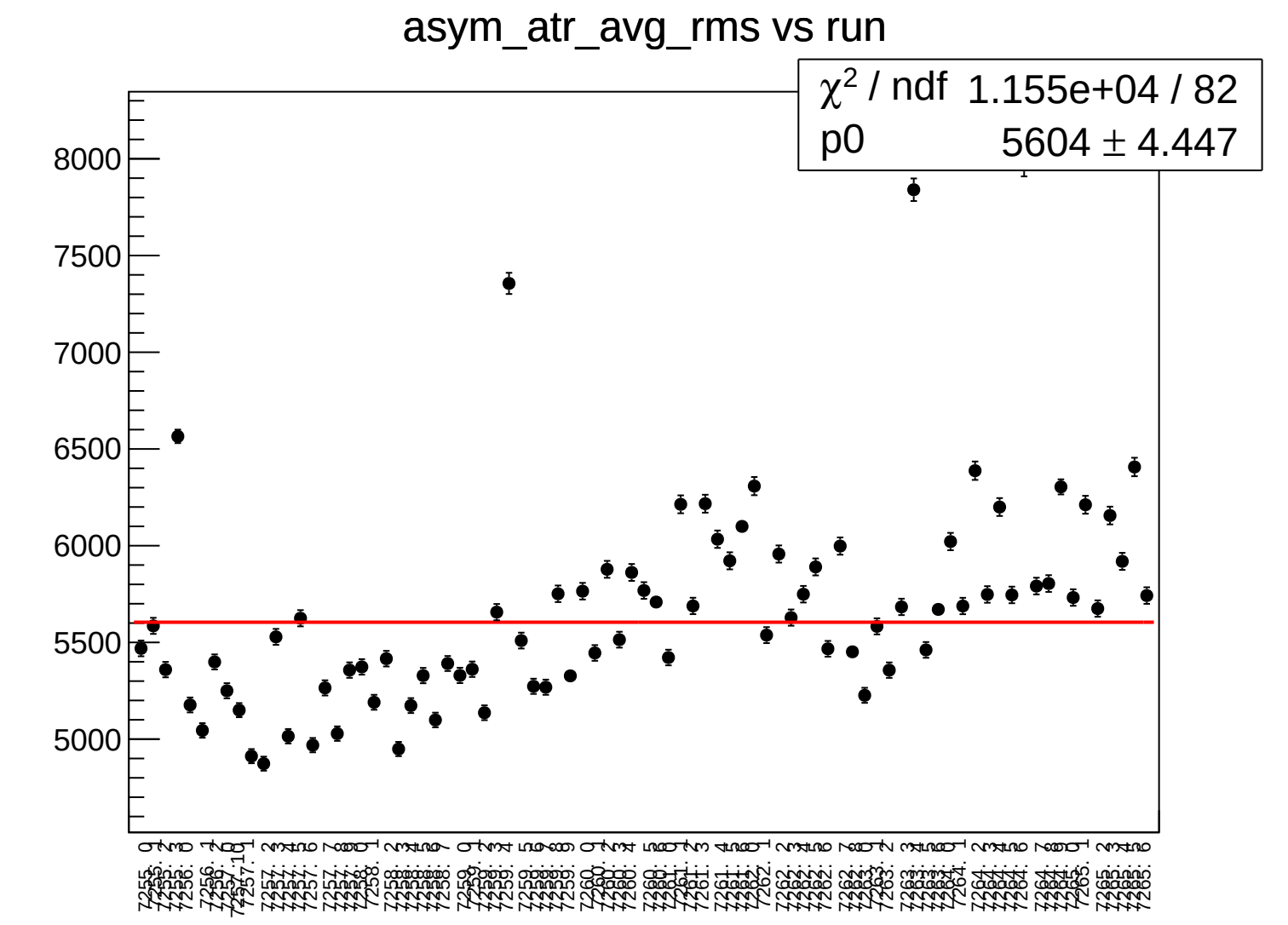

reg_asym_atr_avg_rms vs run
χ² / ndf 3.433e+04 / 82
p0 1908 ± 1.525
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

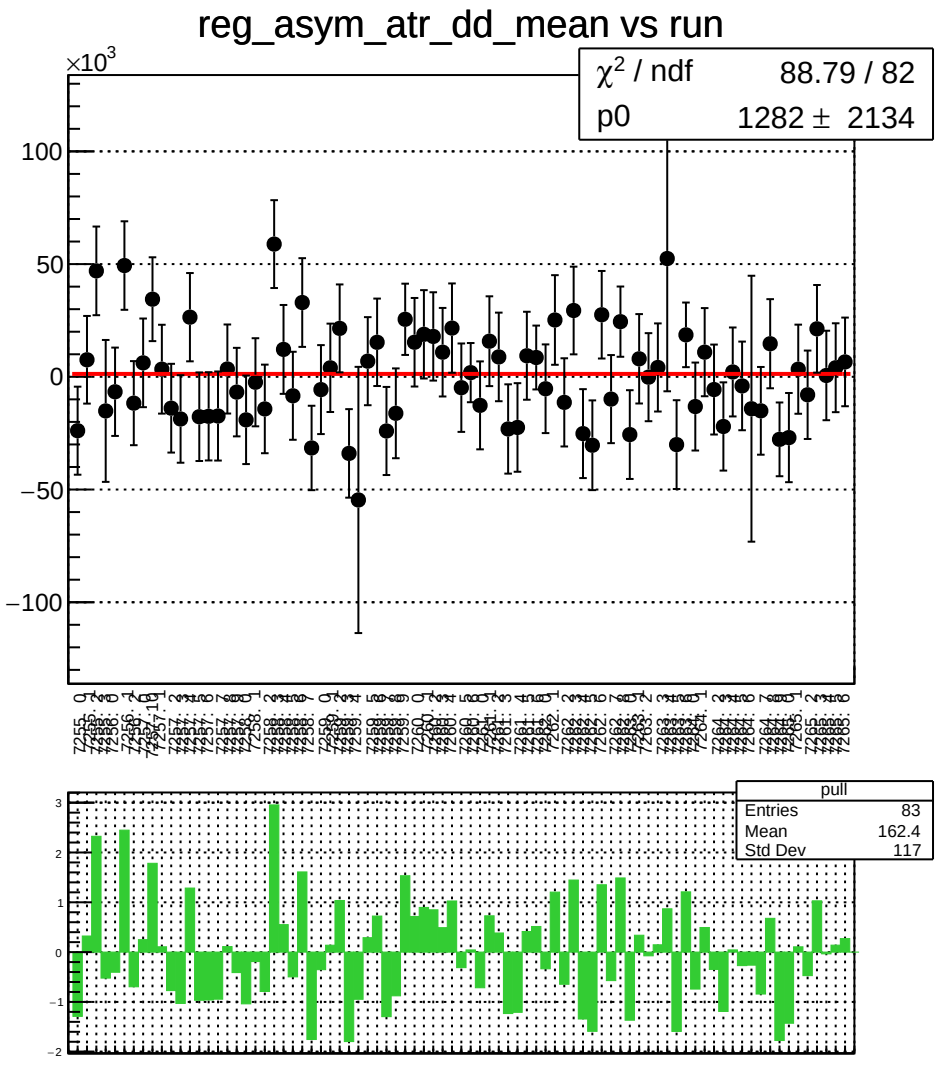

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 76.05 / 82
p0 5024 ± 5841
pull
Entries 83
Mean −207.4
Std Dev 254.1
pull1D
Entries 83
Mean 0.01415
Std Dev 0.9571

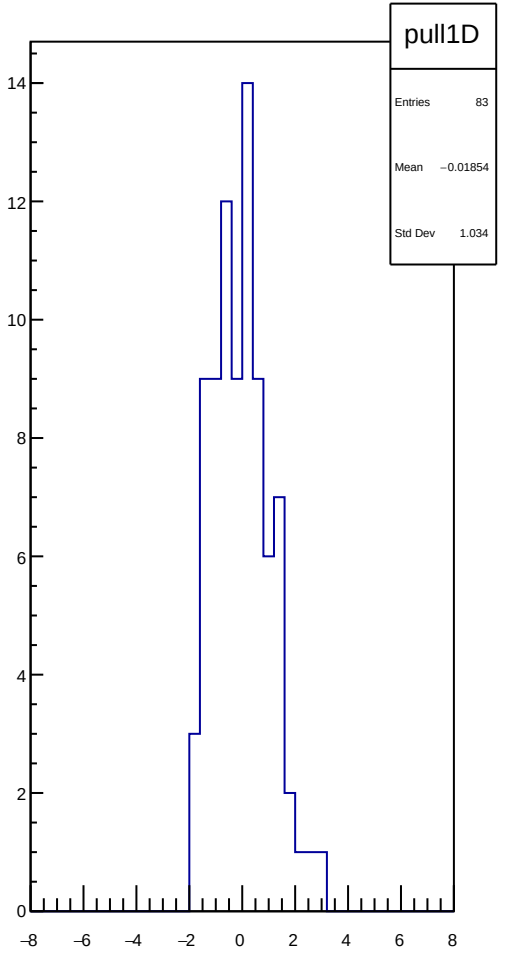

asym_atr_avg_correction_rms vs run
χ² / ndf 8735 / 82
p0 5209 ± 4.13
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

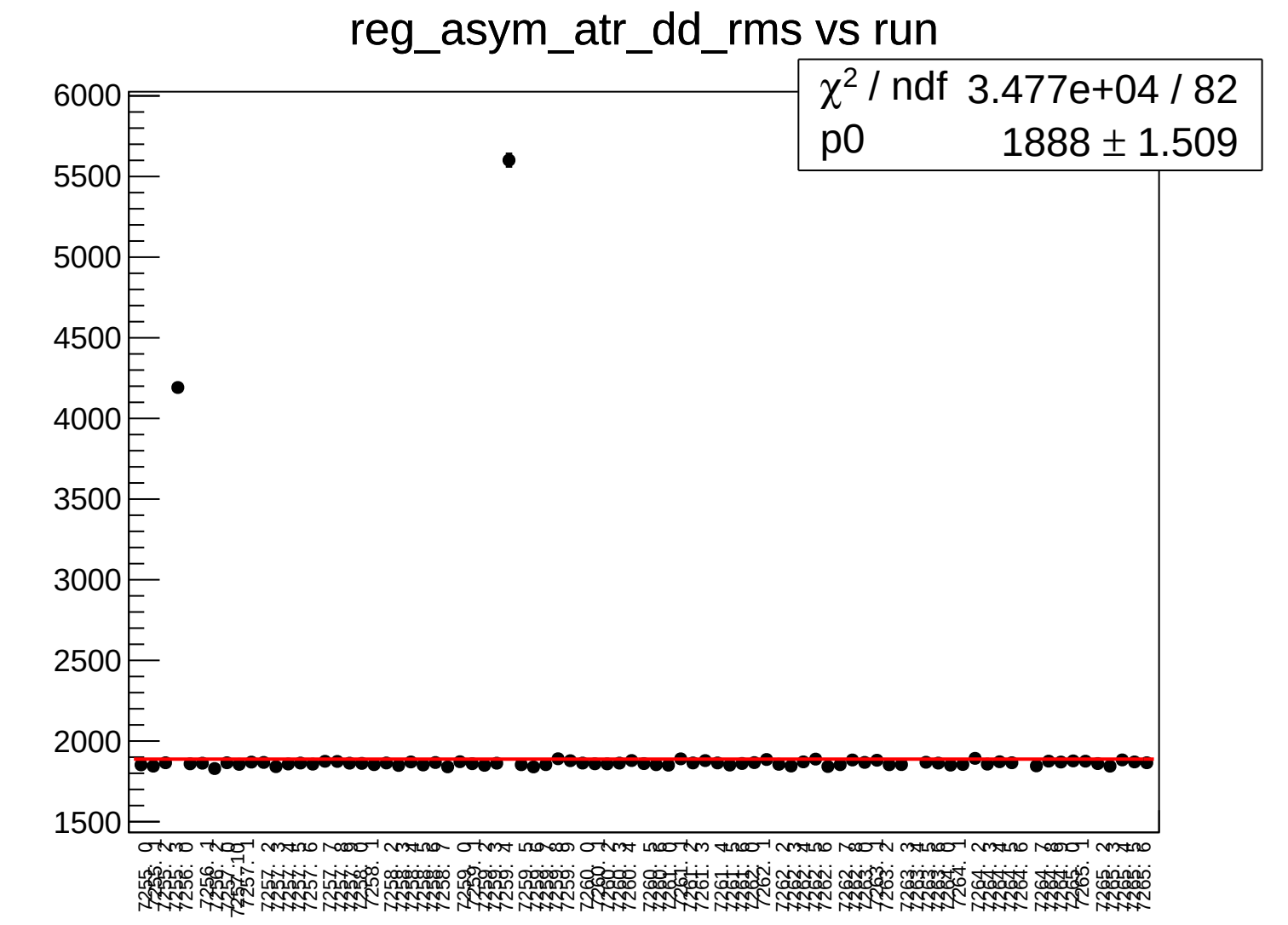

asym_atr_avg_mean vs run
χ² / ndf 76.78 / 82
p0 −9182 ± 6289
pull
Entries 83
Mean −191.6
Std Dev 234.2

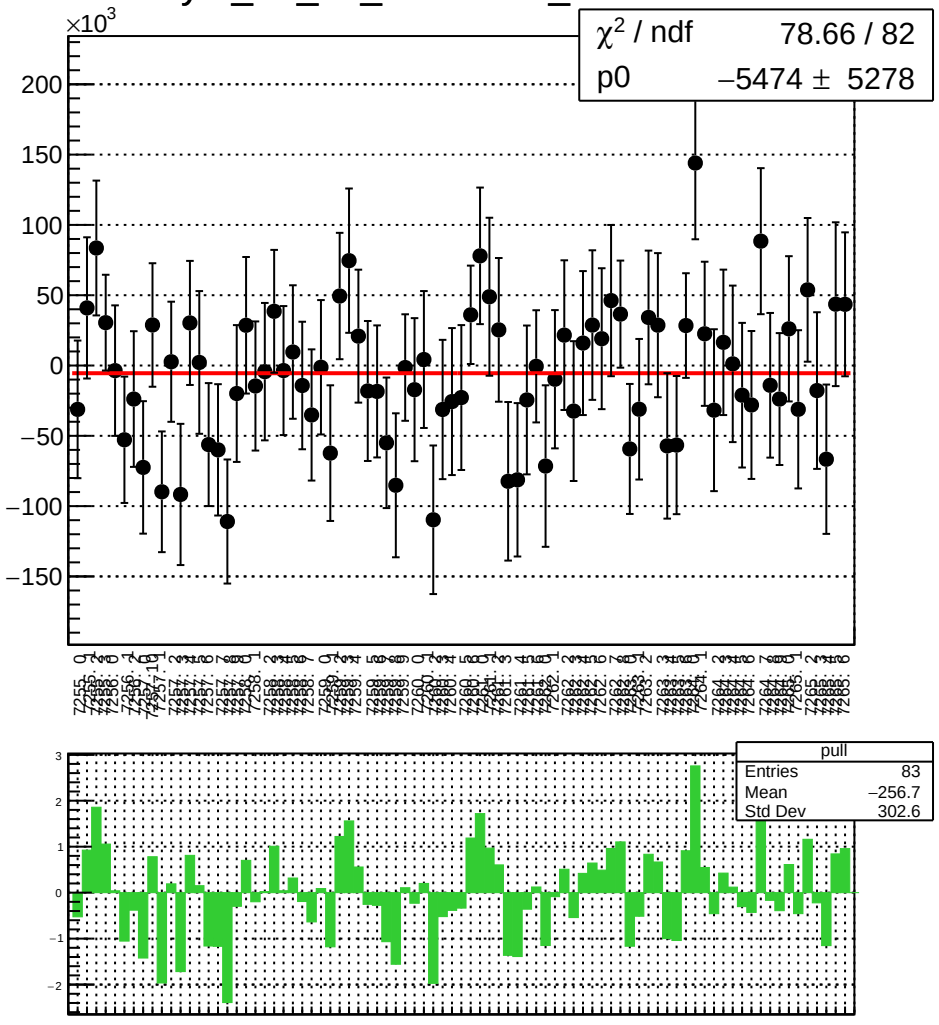

pull1D
Entries 83
Mean −0.01666
Std Dev 0.9617

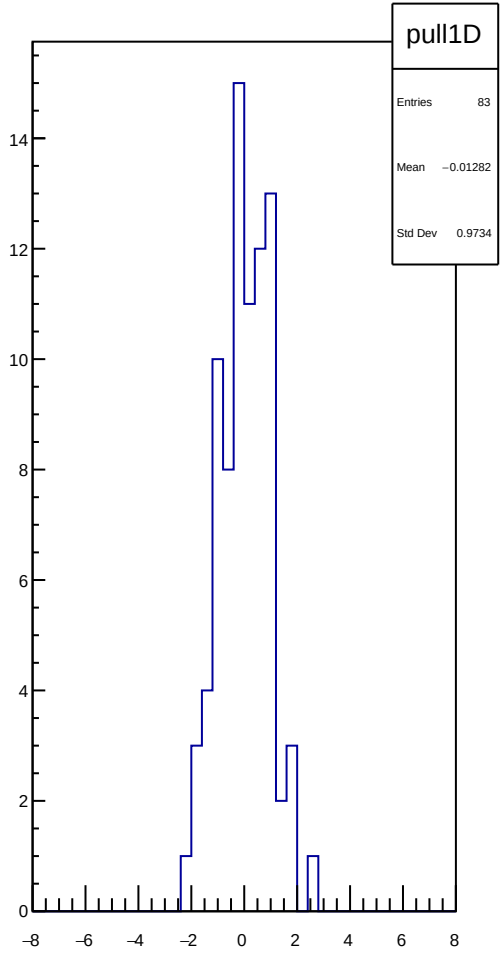

asym_atr_avg_rms vs run
χ² / ndf 1.155e+04 / 82
p0 5604 ± 4.447
8000
7500
7000
6500
6000
5500
5000

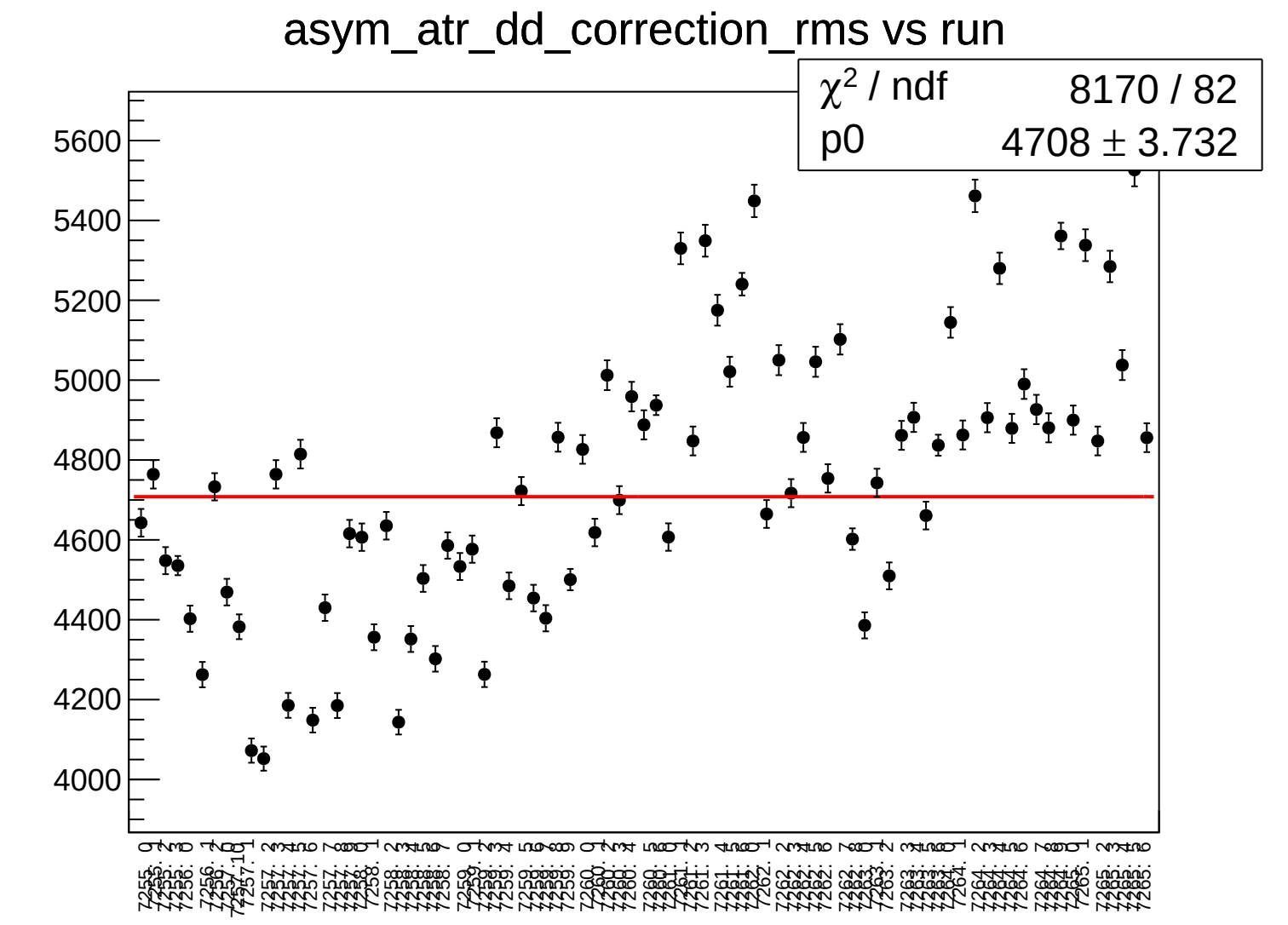

reg_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 88.79 / 82
p0 1282 ± 2134
100
50
0
−50
−100
pull
Entries 83
Mean 162.4
Std Dev 117
3
2
1
0
−1
−2

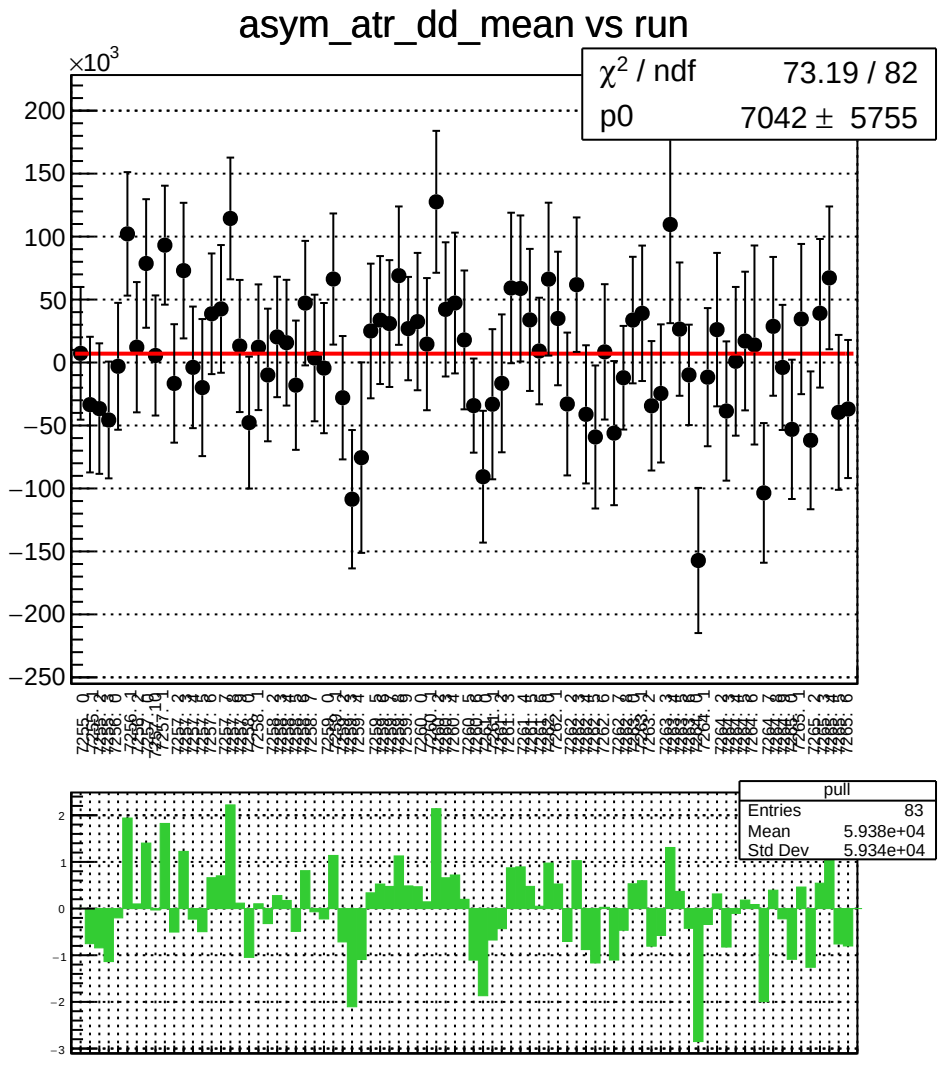

pull1D
Entries 83
Mean −0.01854
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

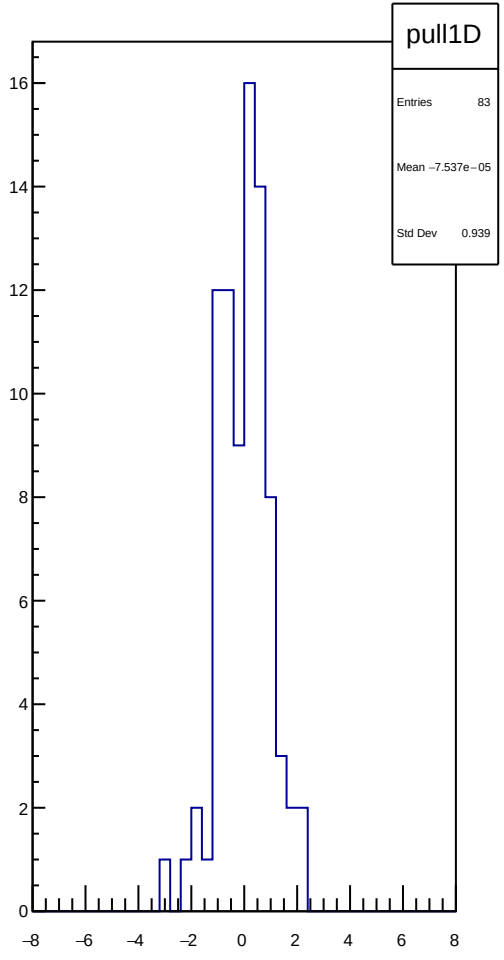

reg_asym_atr_dd_rms vs run
χ² / ndf 3.477e+04 / 82
p0 1888 ± 1.509
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

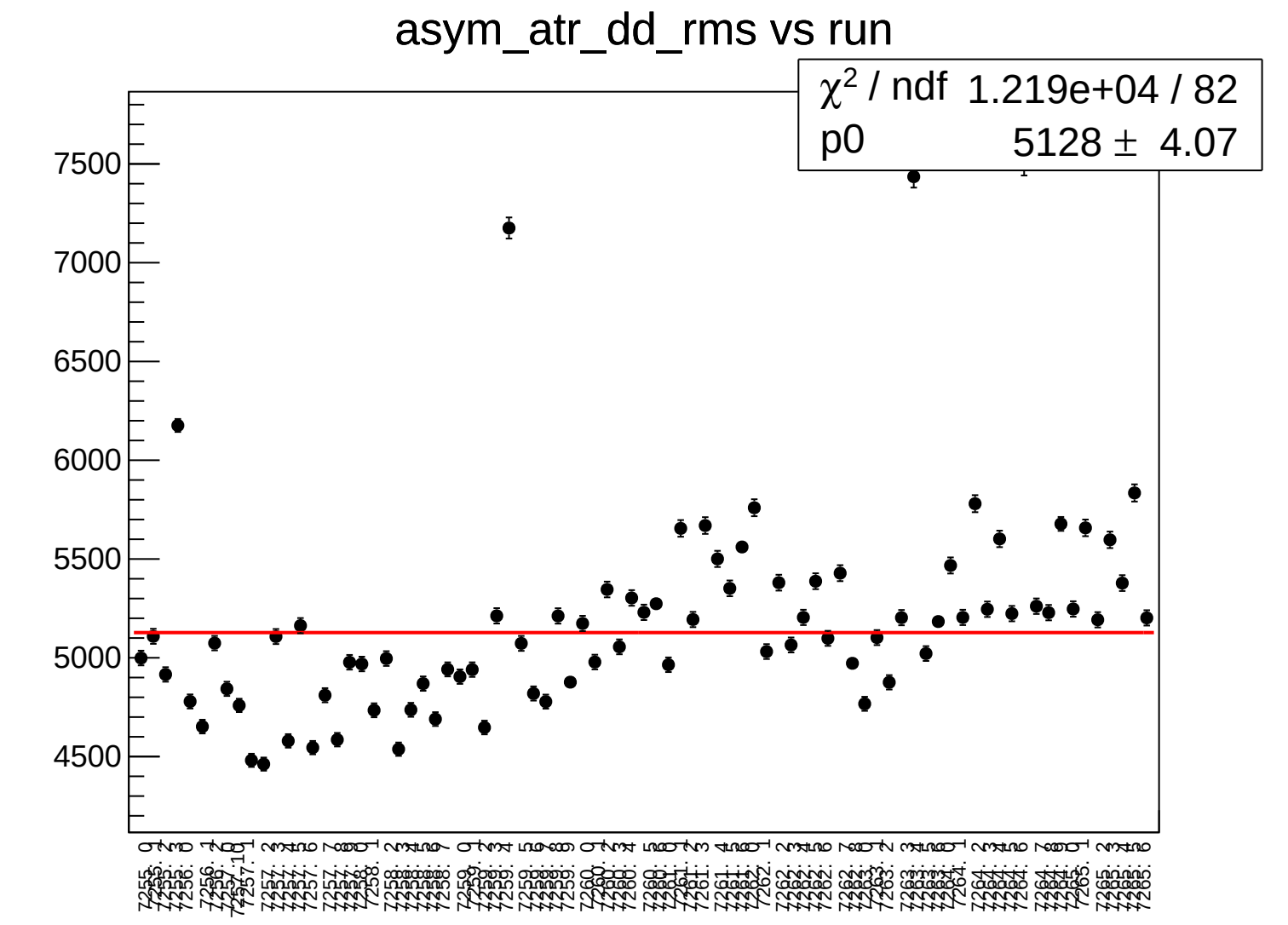

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 78.66 / 82
p0 −5474 ± 5278
200
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −256.7
Std Dev 302.6
3
2
1
0
−1
−2

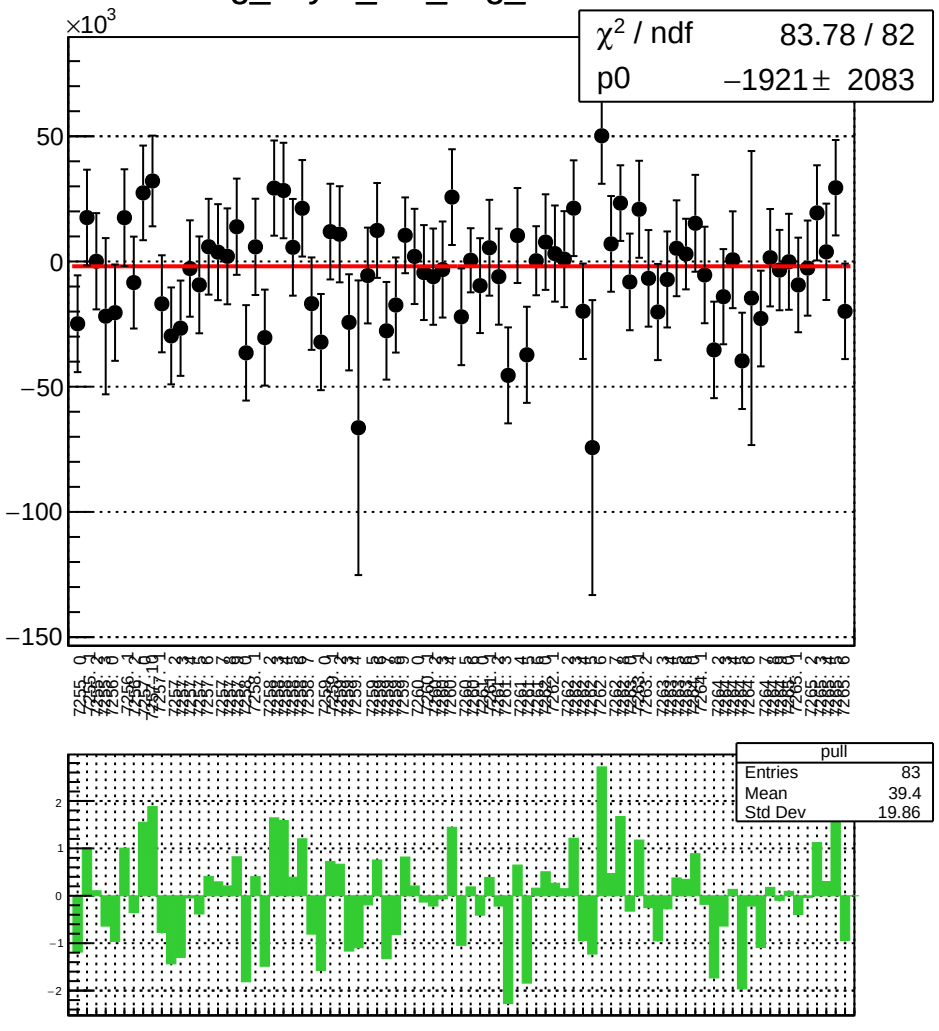

pull1D
Entries 83
Mean −0.01282
Std Dev 0.9734
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

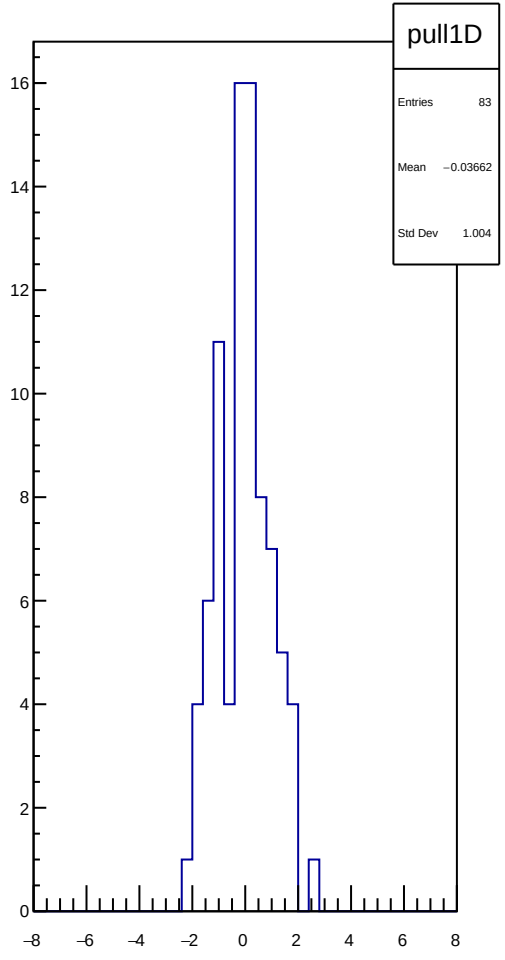

asym_atr_dd_correction_rms vs run
χ^2 / ndf 8170 / 82
p0 4708 ± 3.732
5600
5400
5200
5000
4800
4600
4400
4200
4000

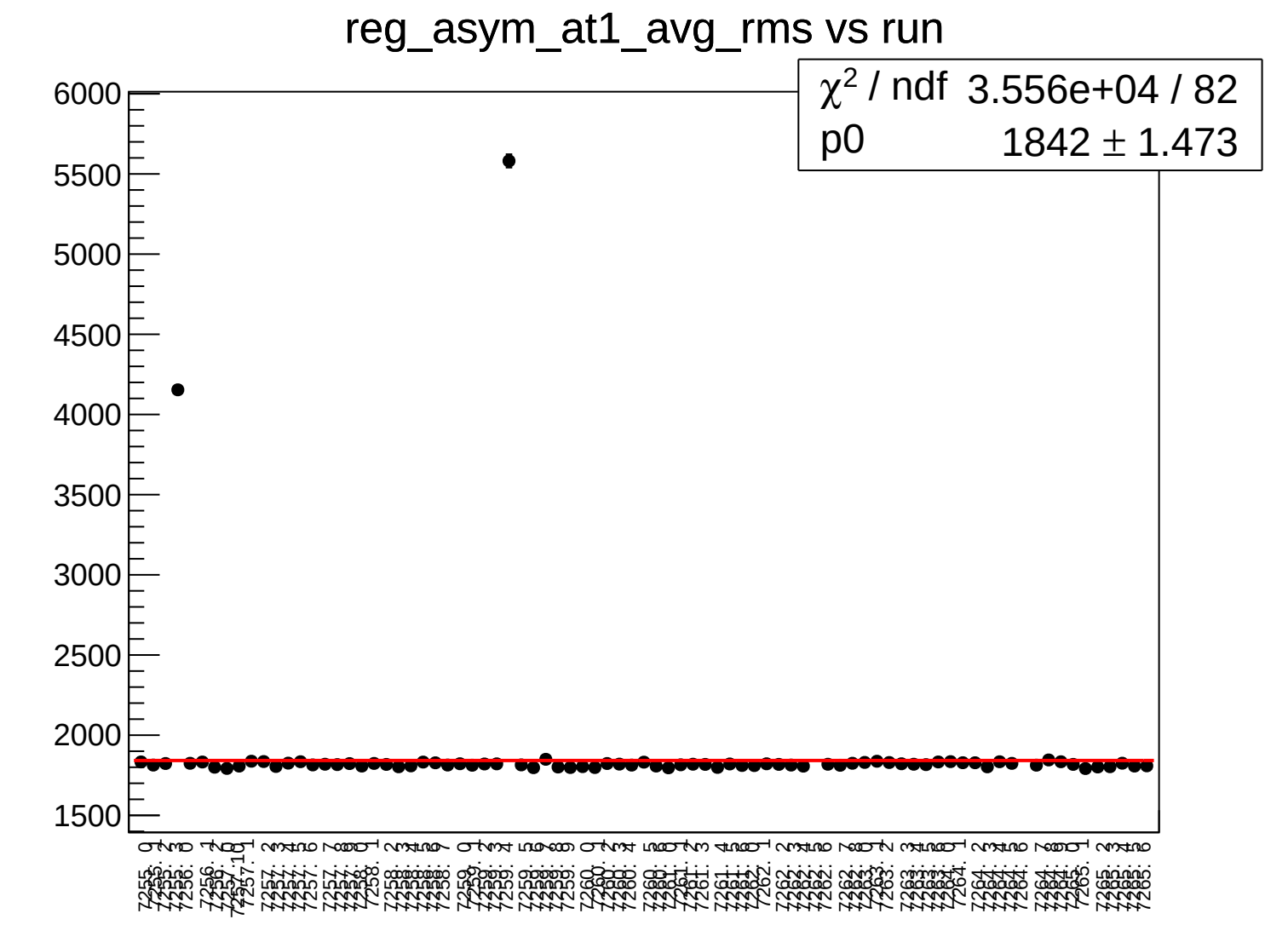

asym_atr_dd_mean vs run
×10^3
χ² / ndf 73.19 / 82
p0 7042 ± 5755
pull
Entries 83
Mean 5.938e+04
Std Dev 5.934e+04

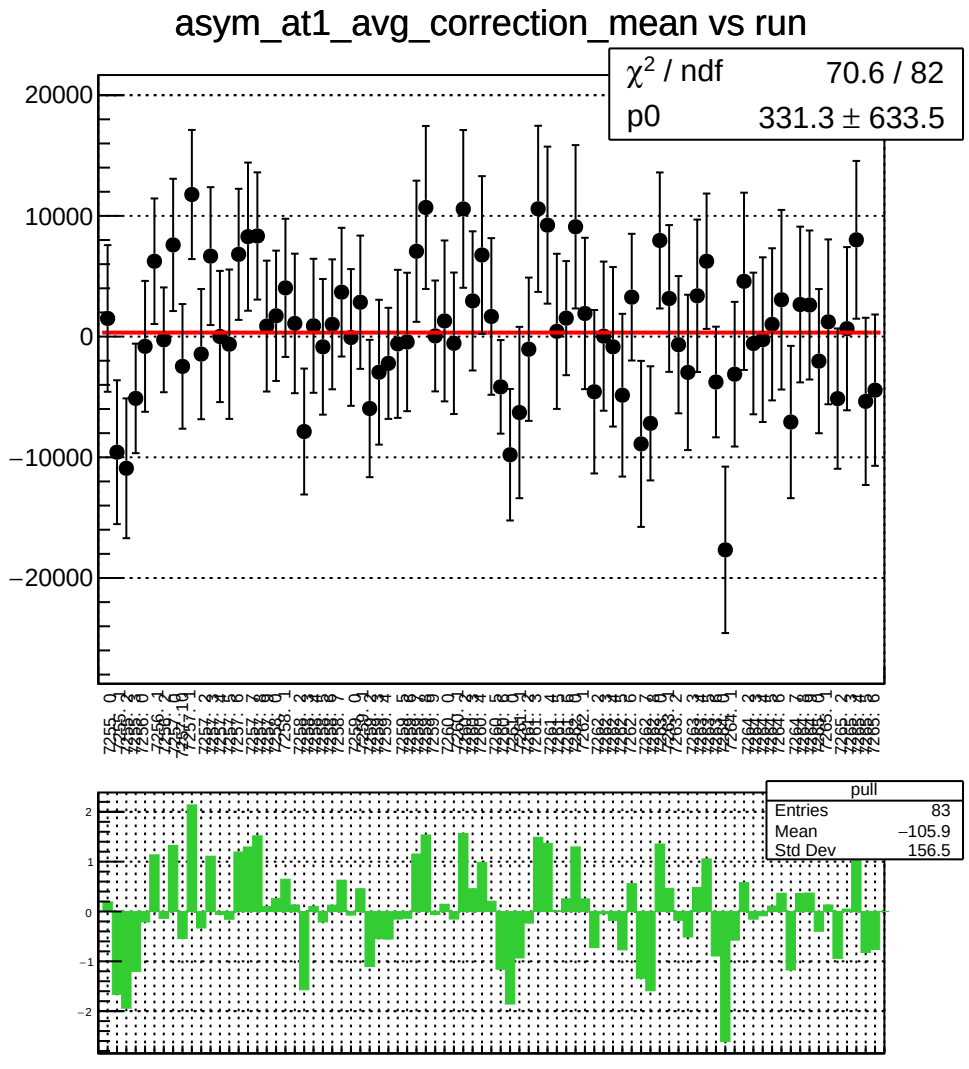

pull1D
Entries 83
Mean −7.537e−05
Std Dev 0.939

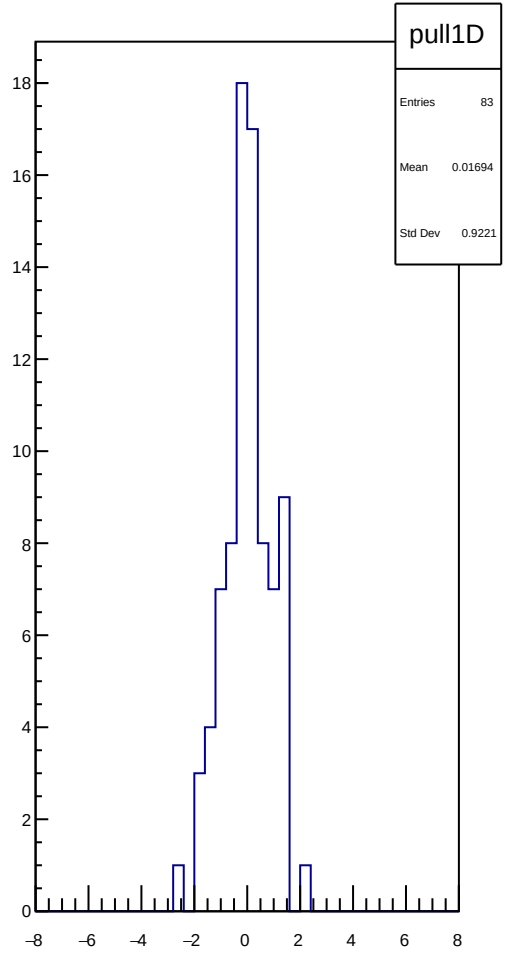

asym_atr_dd_rms vs run
χ² / ndf 1.219e+04 / 82
p0 5128 ± 4.07
7500
7000
6500
6000
5500
5000
4500

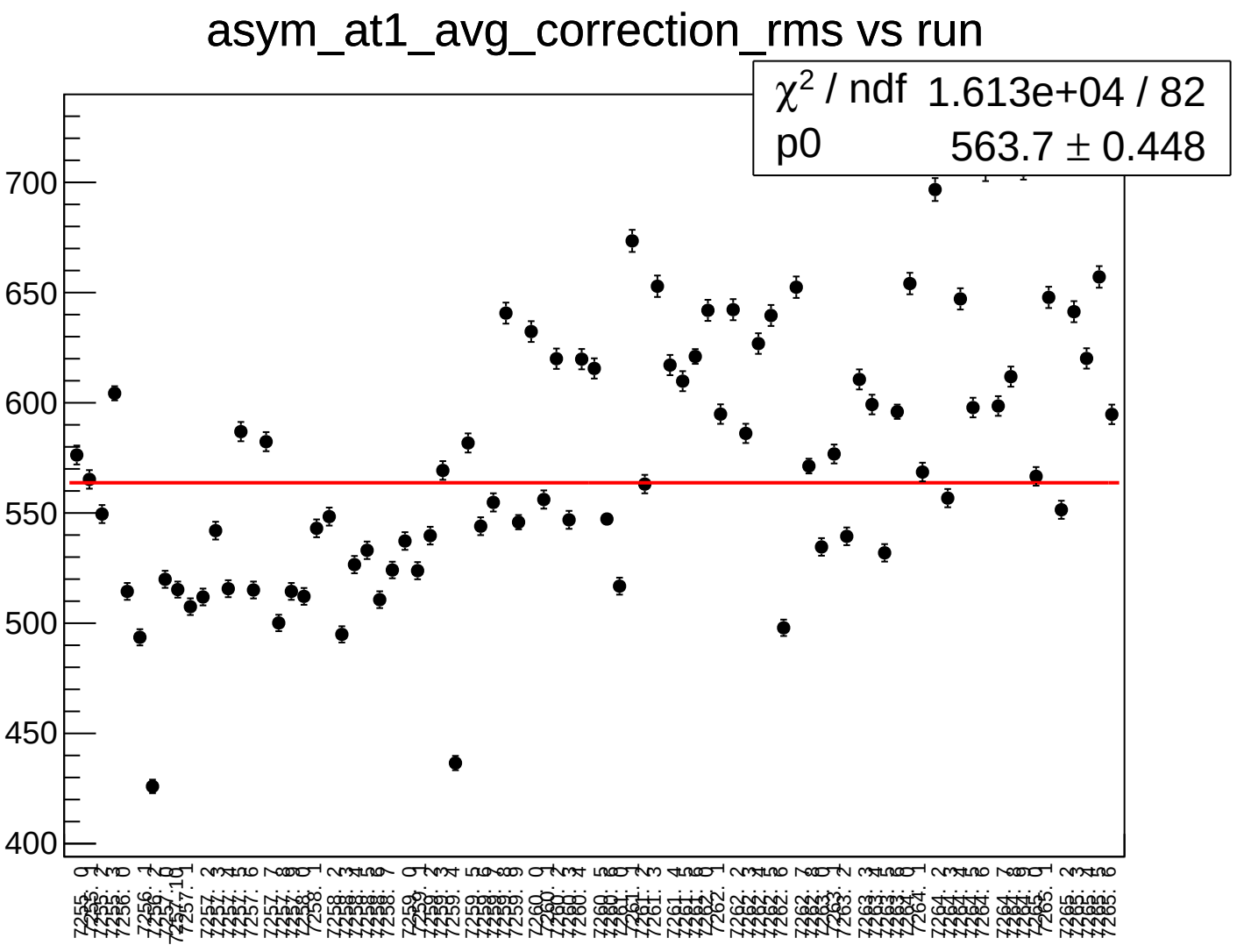

reg_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 83.78 / 82
p0 −1921 ± 2083
50
0
−50
−100
−150
pull
Entries 83
Mean 39.4
Std Dev 19.86
2
1
0
−1
−2

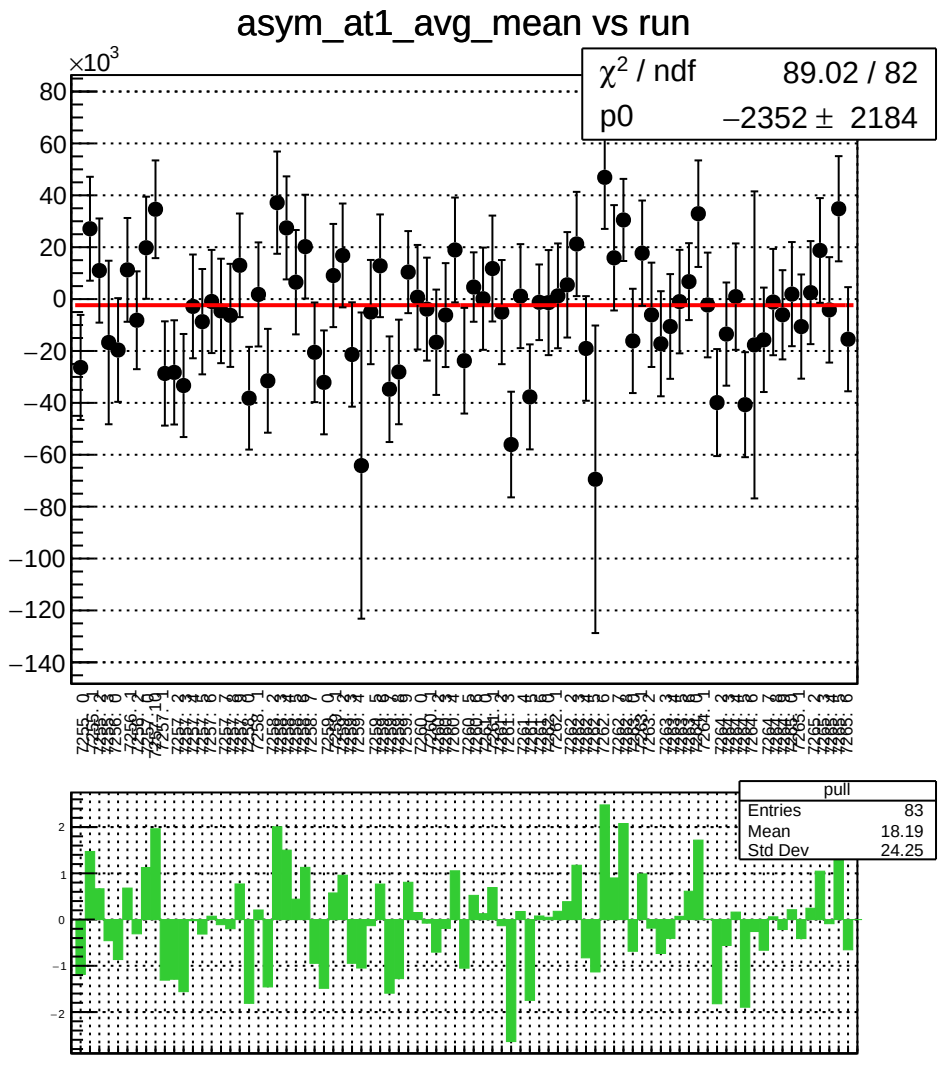

pull1D
Entries 83
Mean −0.03662
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

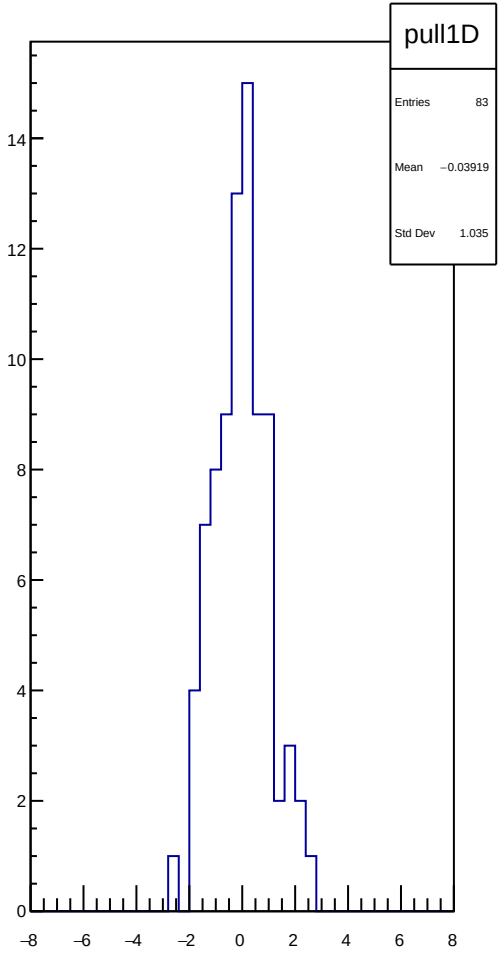

reg_asym_at1_avg_rms vs run
χ² / ndf 3.556e+04 / 82
p0 1842 ± 1.473
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

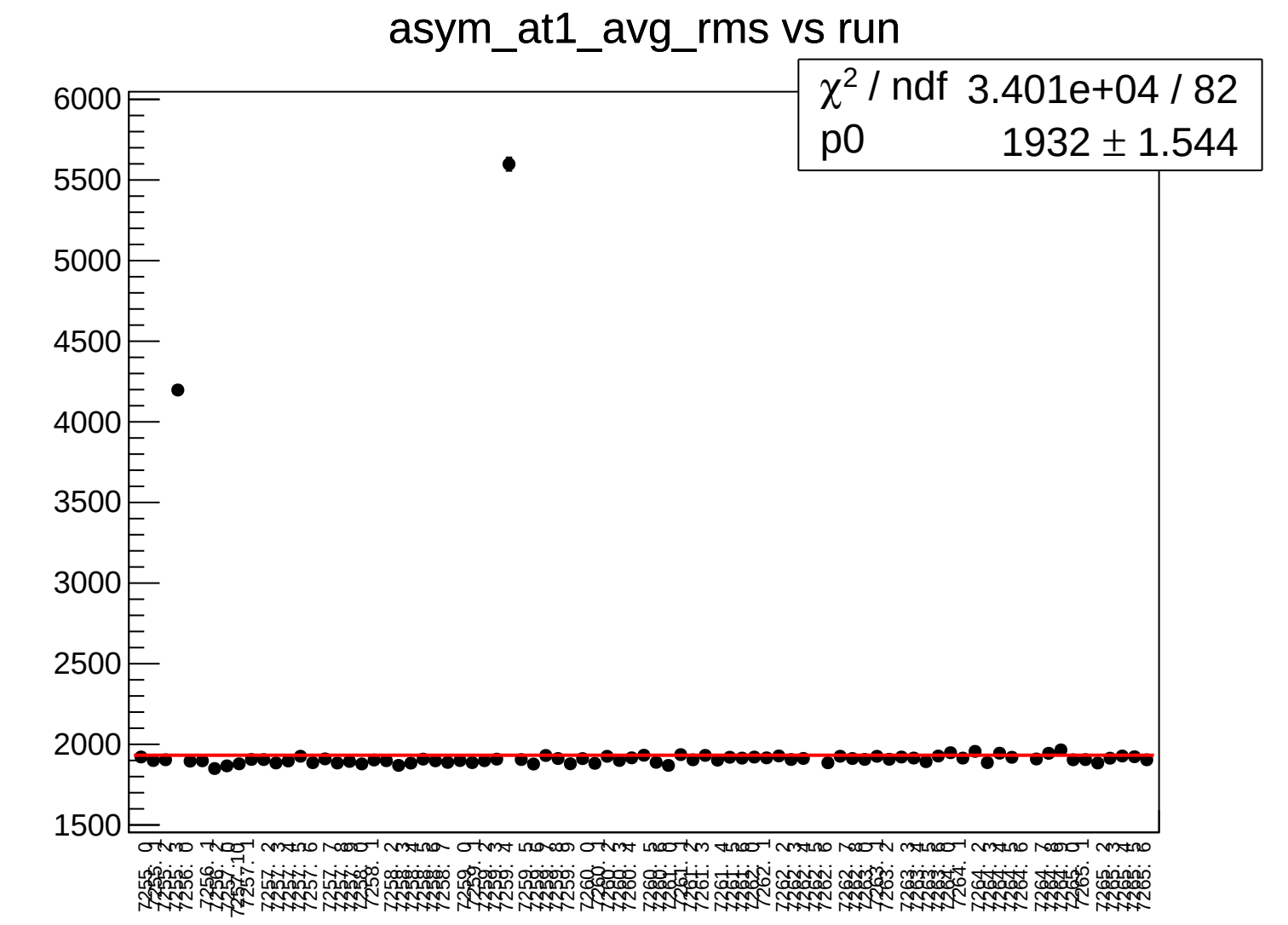

asym_at1_avg_correction_mean vs run
χ² / ndf 70.6 / 82
p0 331.3 ± 633.5
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −105.9
Std Dev 156.5
2
1
0
−1
−2

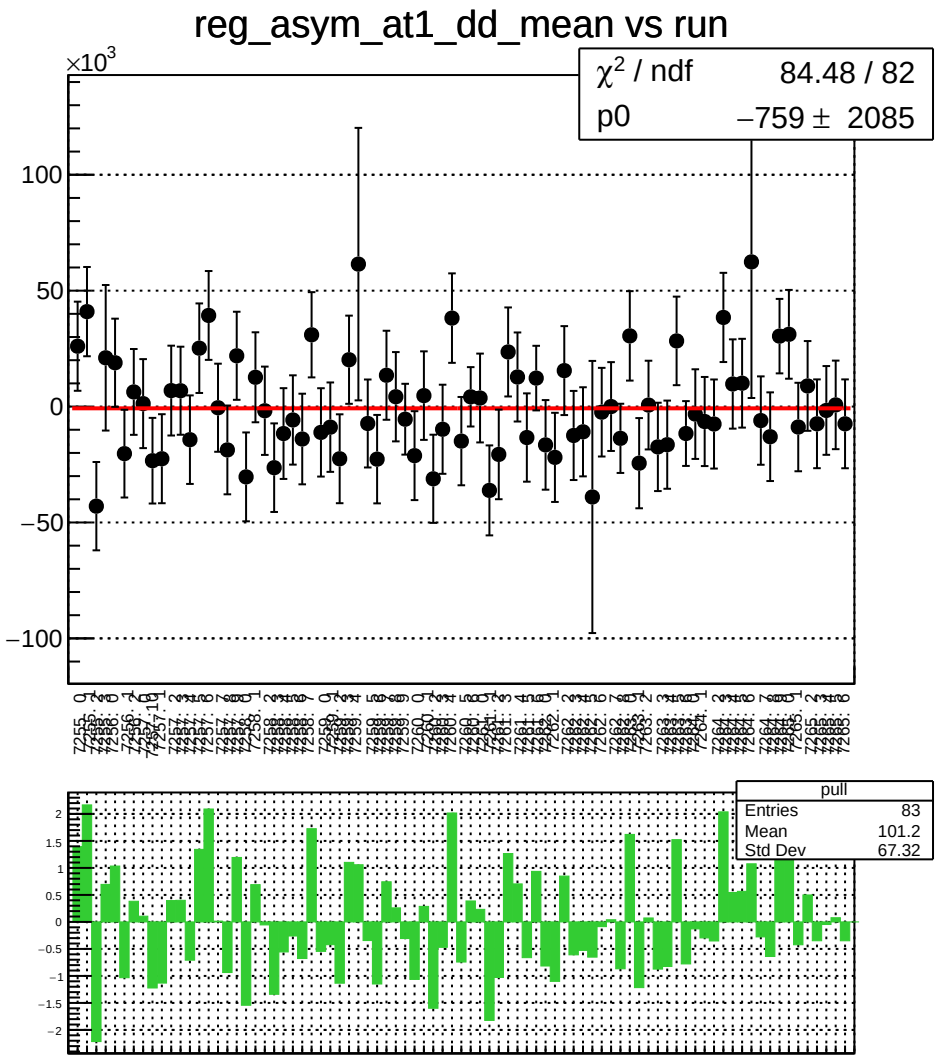

pull1D
Entries 83
Mean 0.01694
Std Dev 0.9221
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

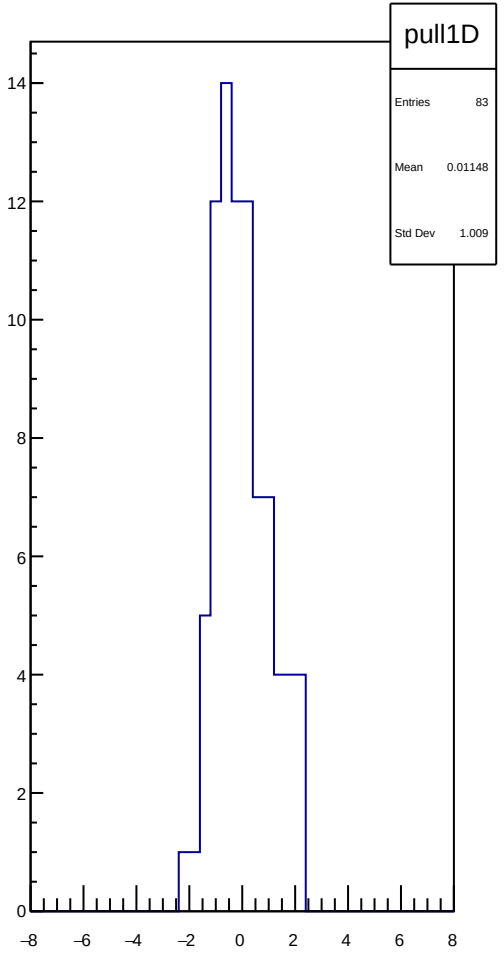

asym_at1_avg_correction_rms vs run
χ² / ndf 1.613e+04 / 82
p0 563.7 ± 0.448
700
650
600
550
500
450
400

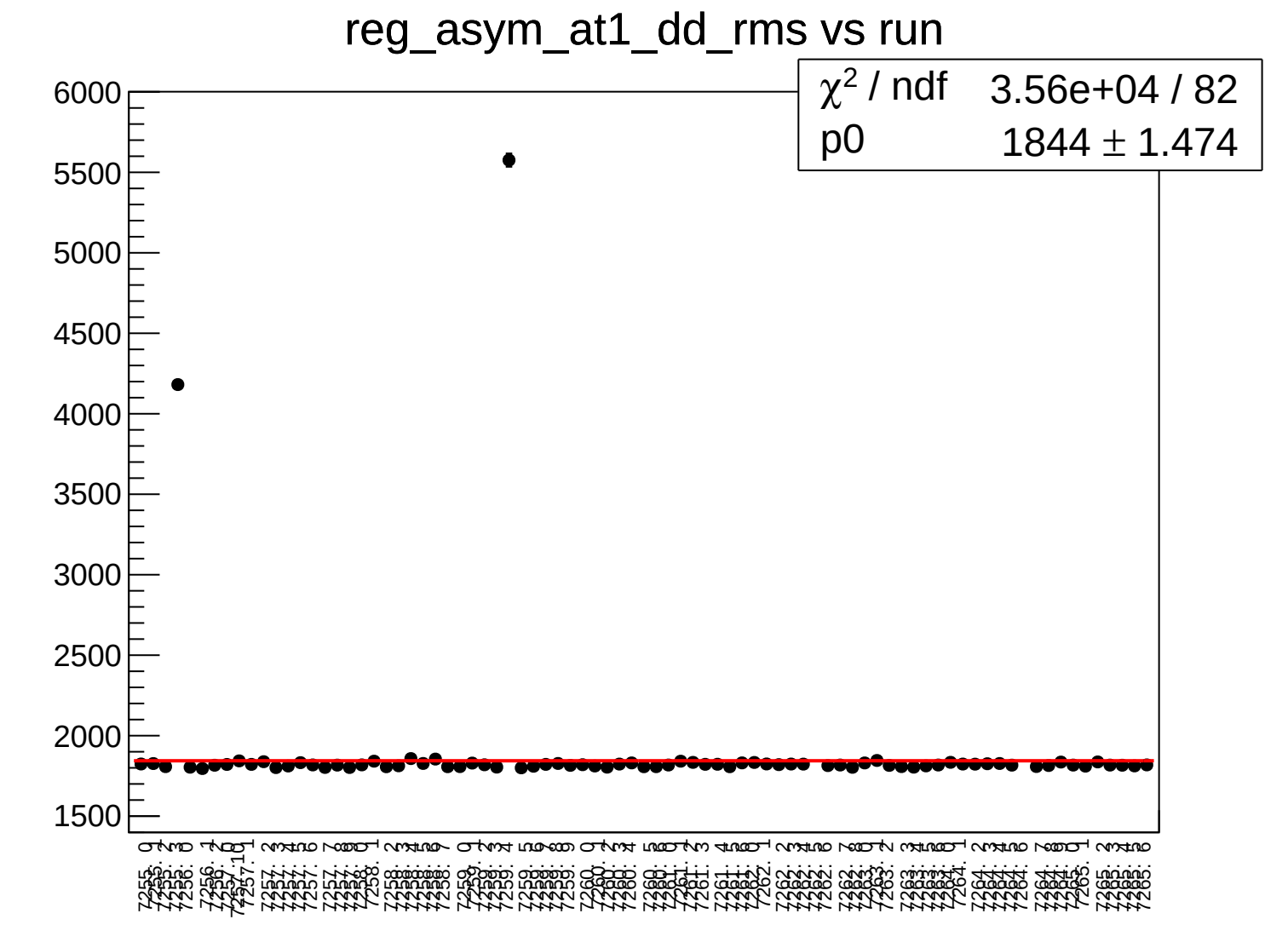

asym_at1_avg_mean vs run
×10^3
χ² / ndf 89.02 / 82
p0 −2352 ± 2184
pull
Entries 83
Mean 18.19
Std Dev 24.25

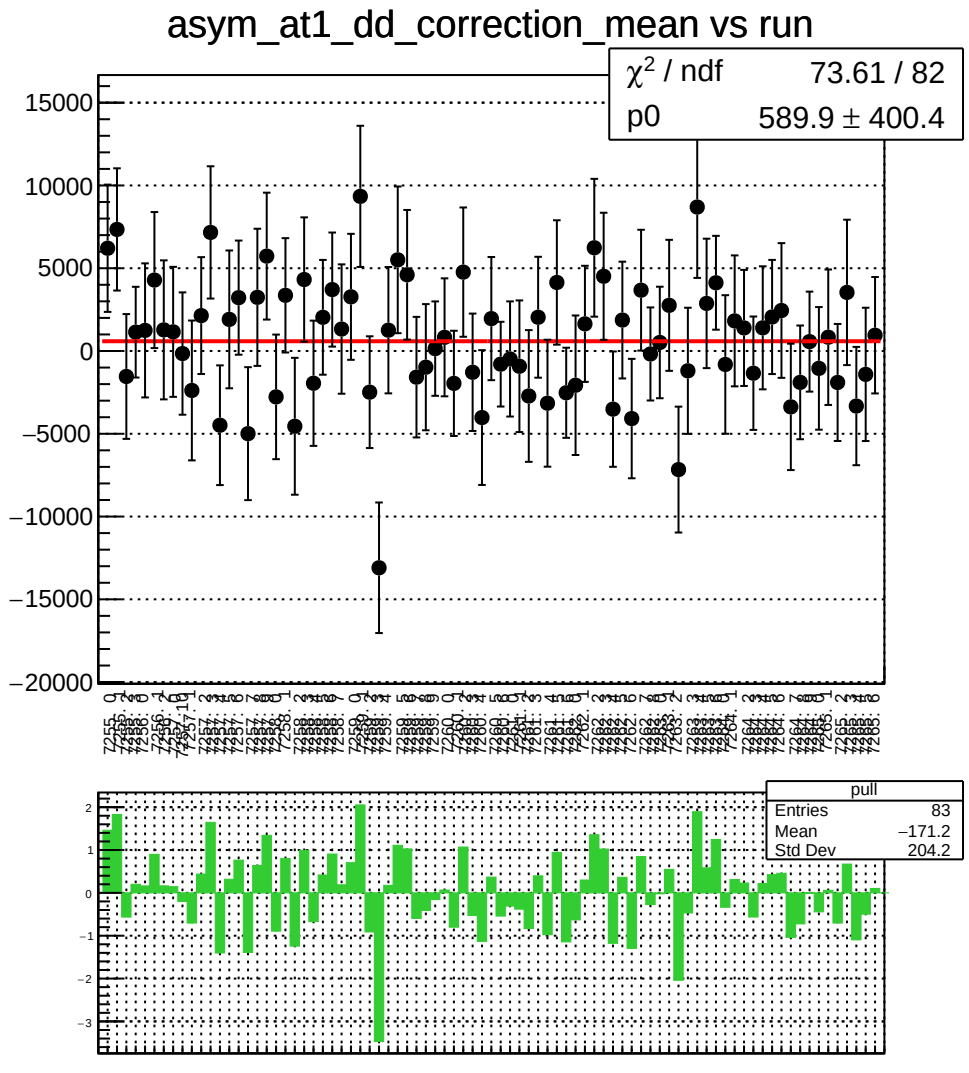

pull1D
Entries 83
Mean −0.03919
Std Dev 1.035

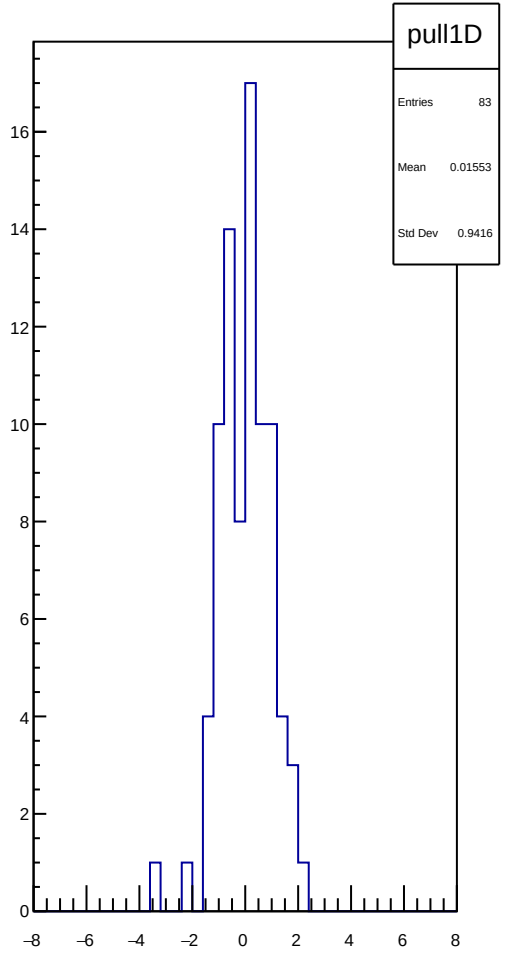

asym_at1_avg_rms vs run
χ^2 / ndf 3.401e+04 / 82
p0 1932 ± 1.544
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

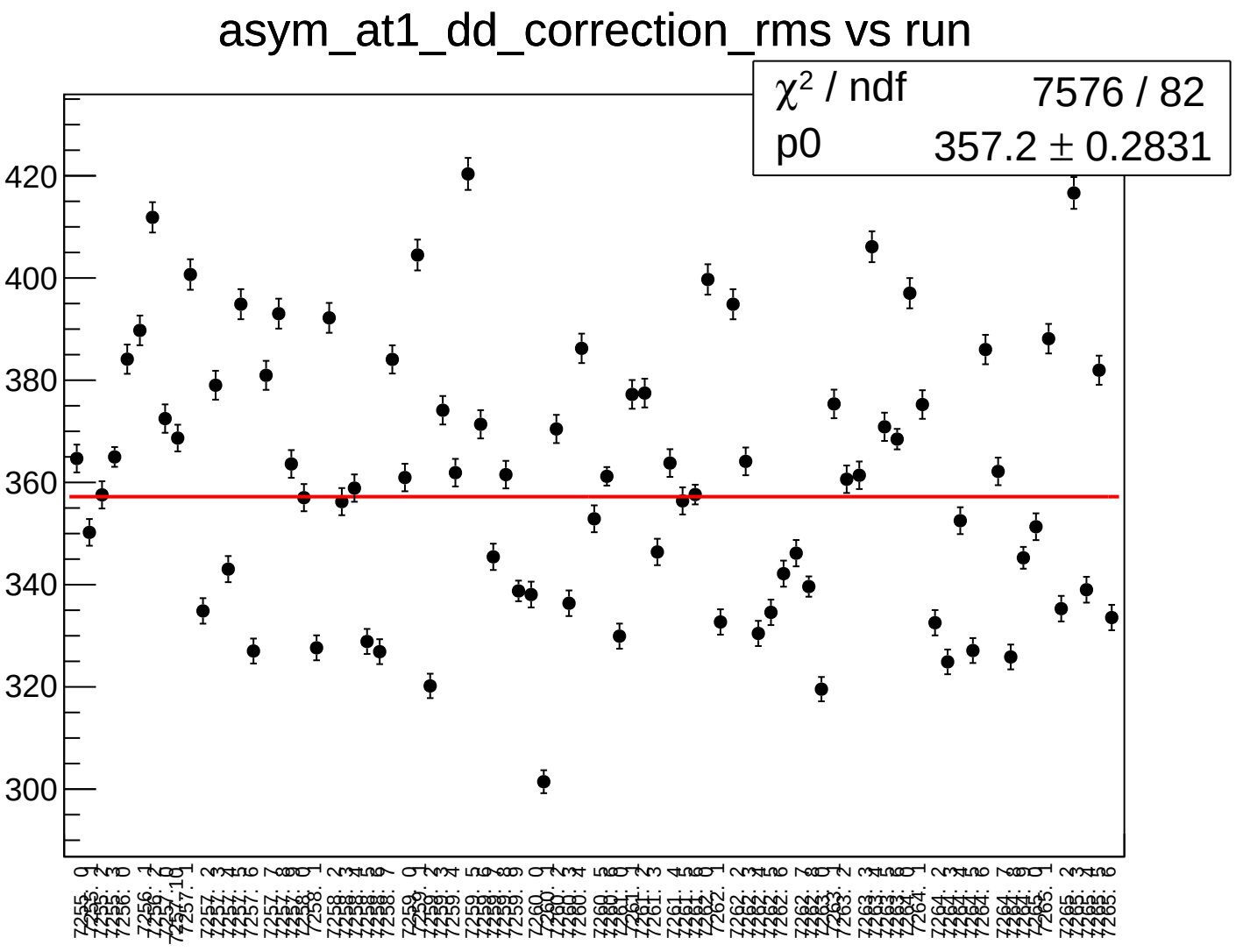

reg_asym_at1_dd_mean vs run
×10^3
χ² / ndf 84.48 / 82
p0 −759 ± 2085
100
50
0
−50
−100
pull
Entries 83
Mean 101.2
Std Dev 67.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

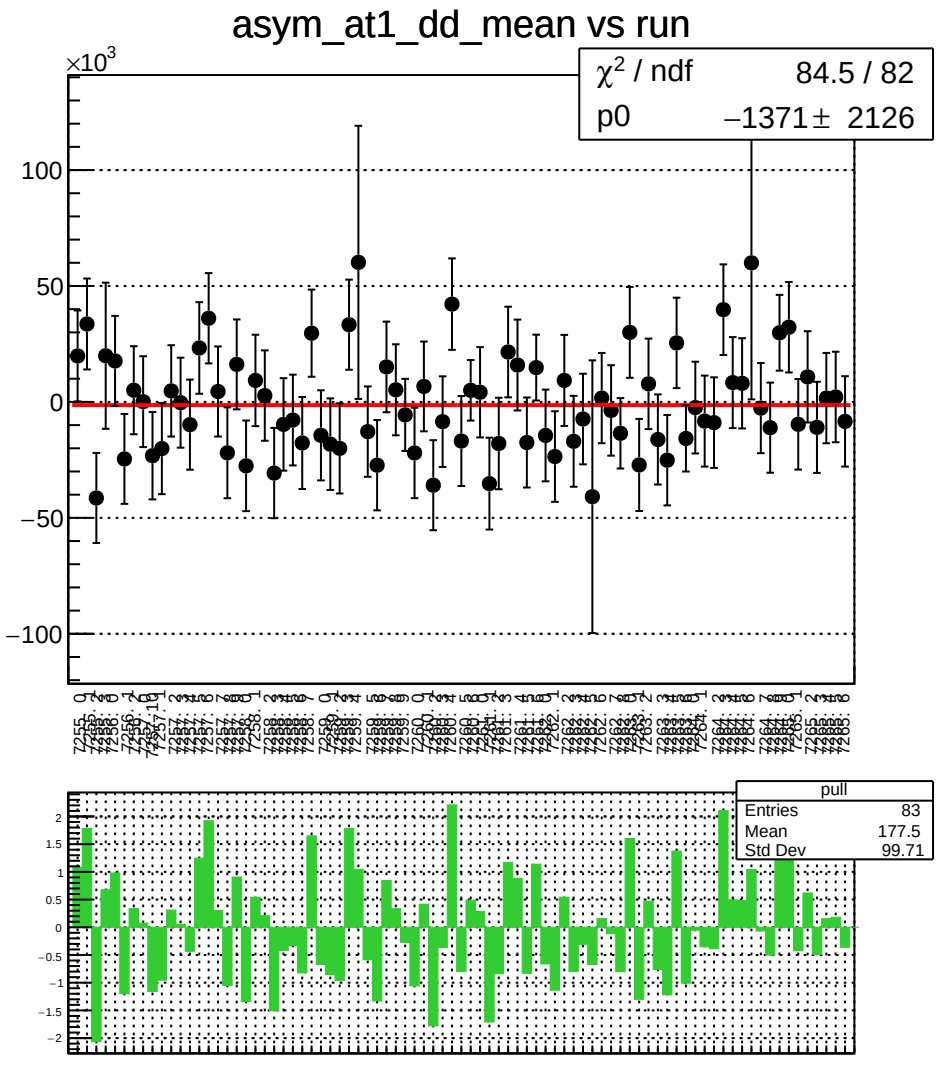

pull1D
Entries 83
Mean 0.01148
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

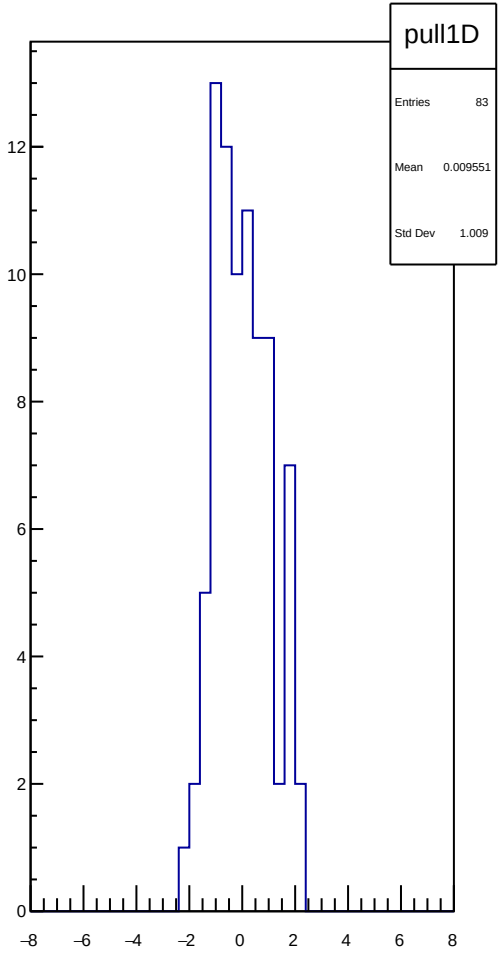

reg_asym_at1_dd_rms vs run
χ² / ndf 3.56e+04 / 82
p0 1844 ± 1.474
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

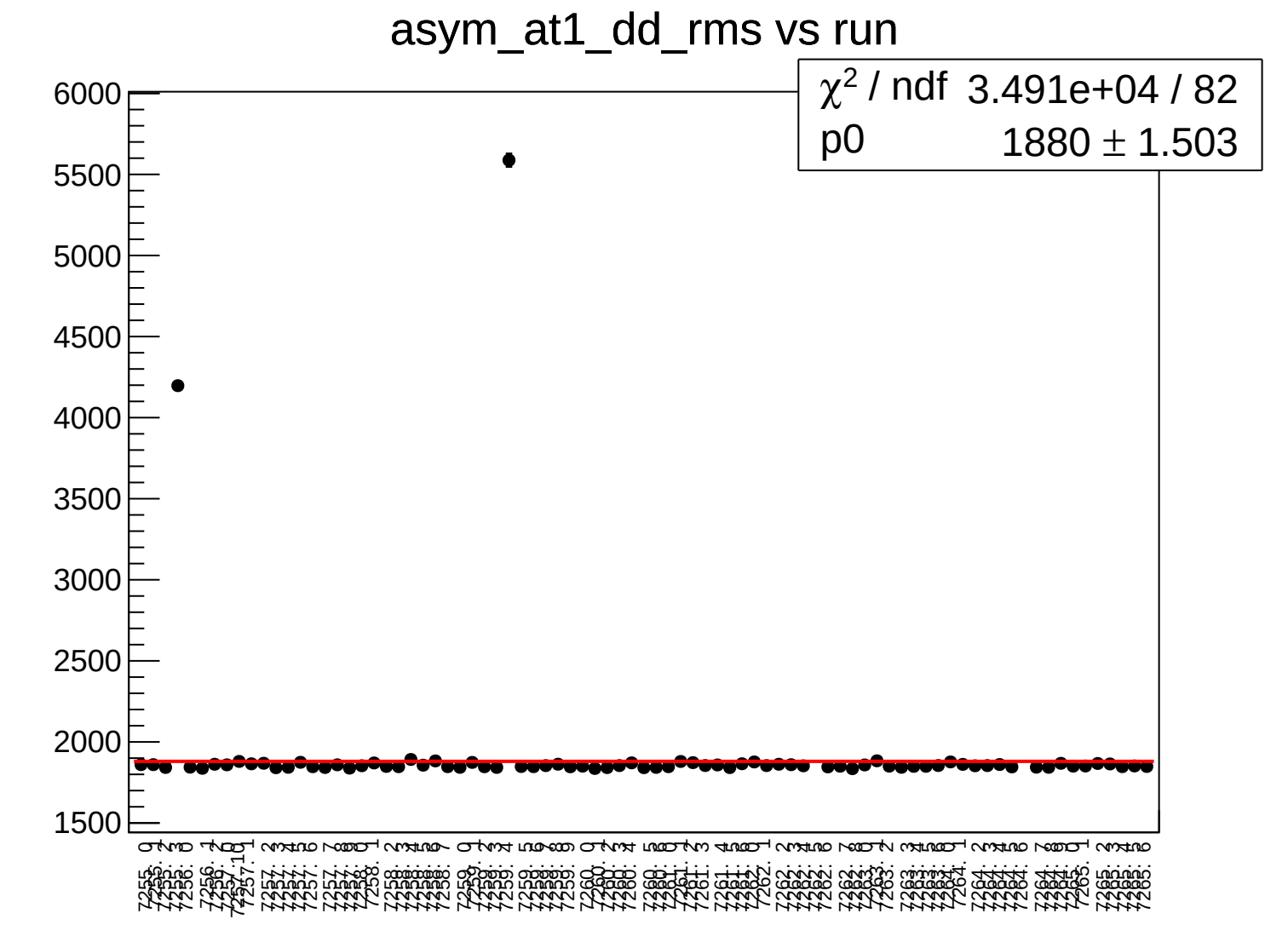

asym_at1_dd_correction_mean vs run
χ² / ndf 73.61 / 82
p0 589.9 ± 400.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean −171.2
Std Dev 204.2
2
1
0
−1
−2
−3

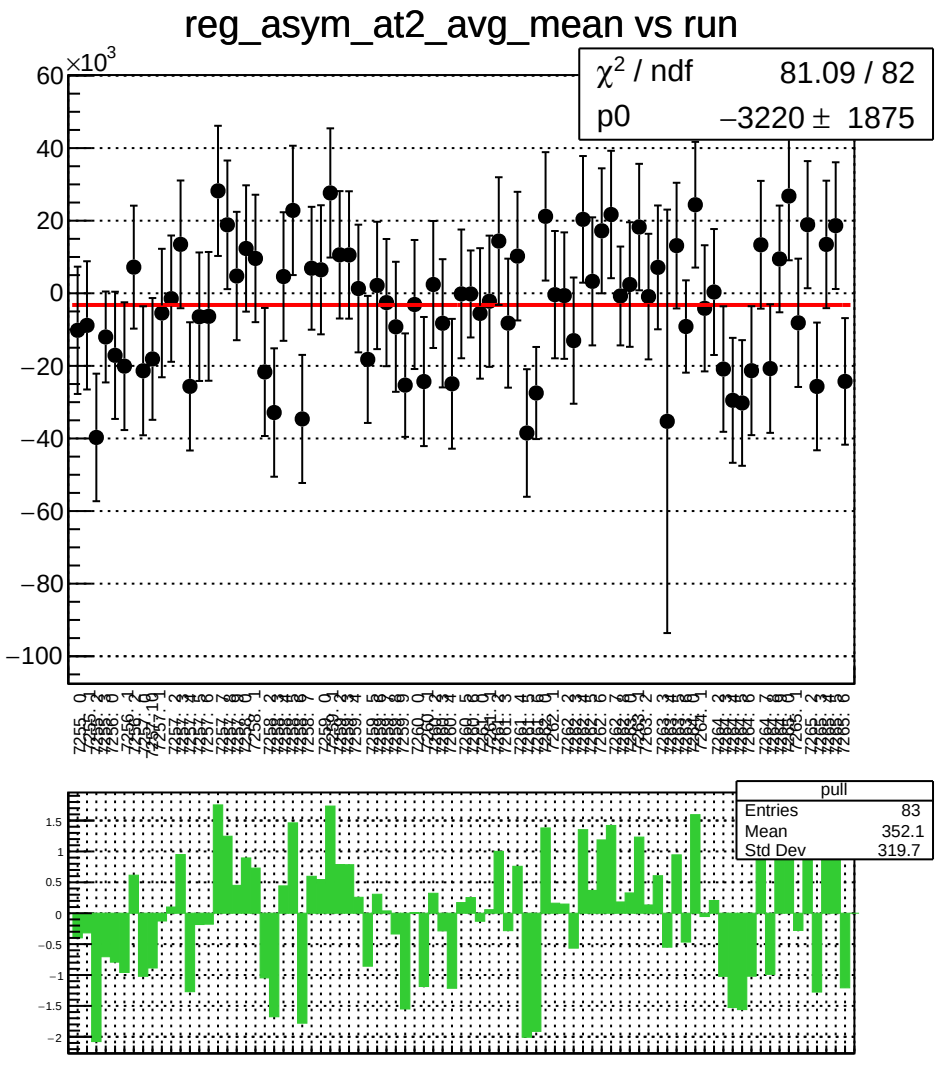

pull1D
Entries 83
Mean 0.01553
Std Dev 0.9416
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

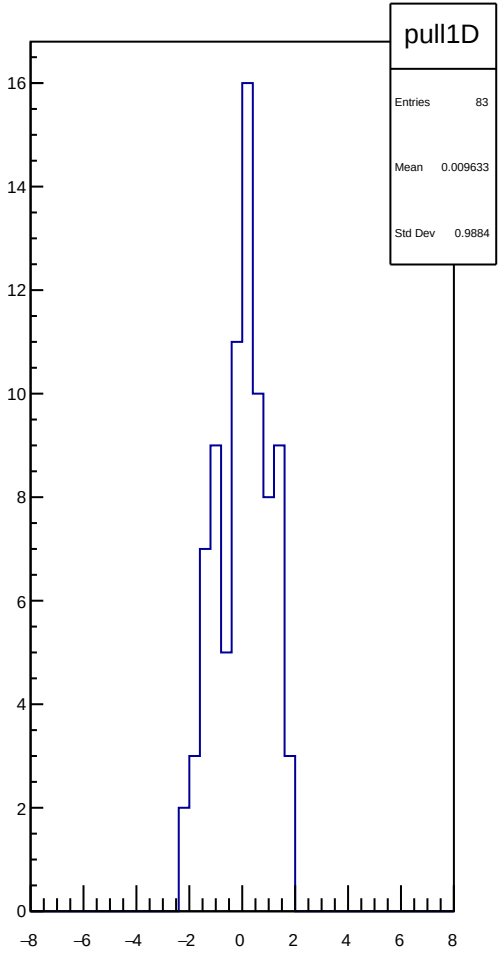

asym_at1_dd_correction_rms vs run
χ² / ndf 7576 / 82
p0 357.2 ± 0.2831
420
400
380
360
340
320
300

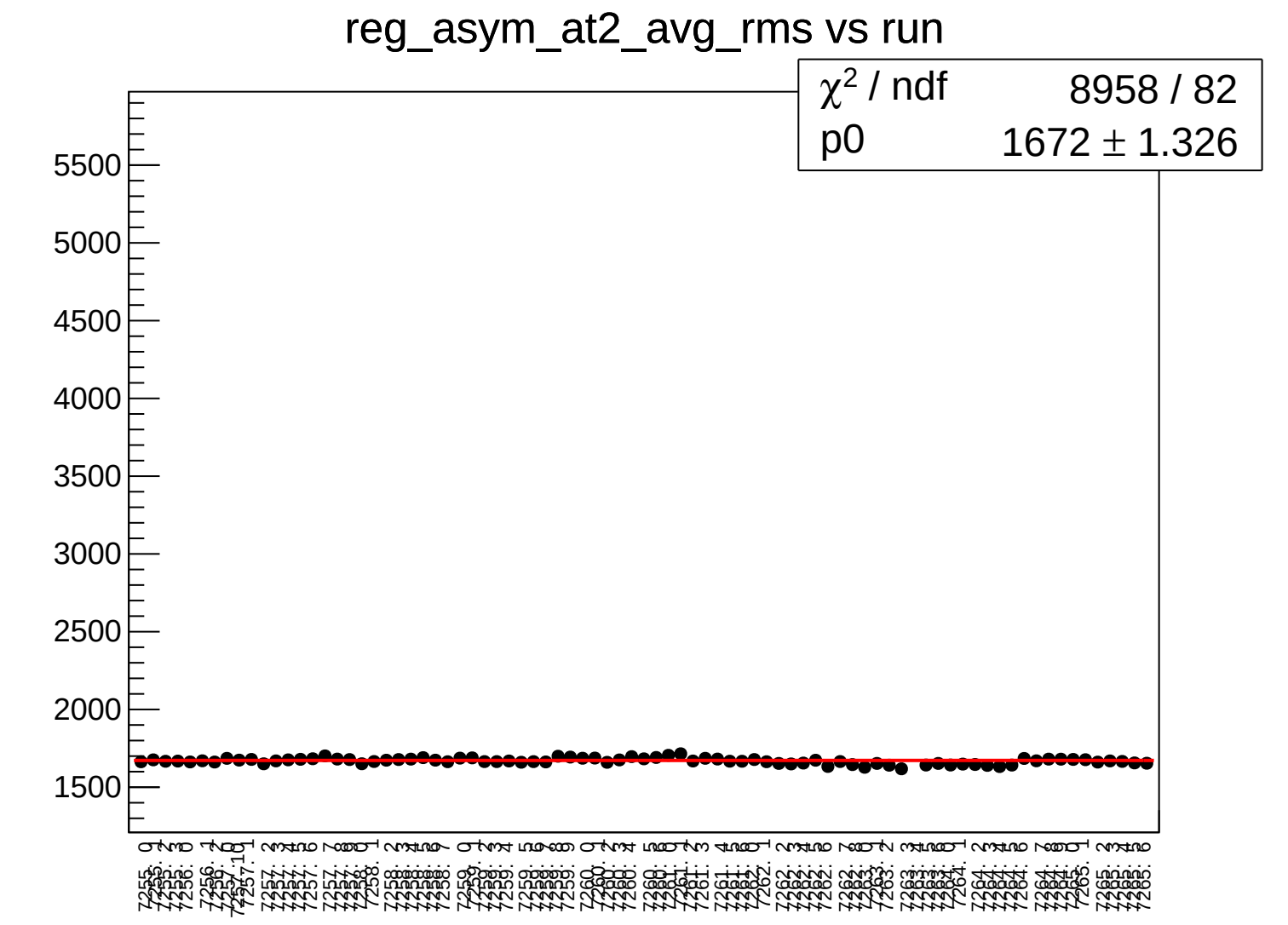

asym_at1_dd_mean vs run
×10^3
χ² / ndf 84.5 / 82
p0 −1371 ± 2126
100
50
0
−50
−100
pull
Entries 83
Mean 177.5
Std Dev 99.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

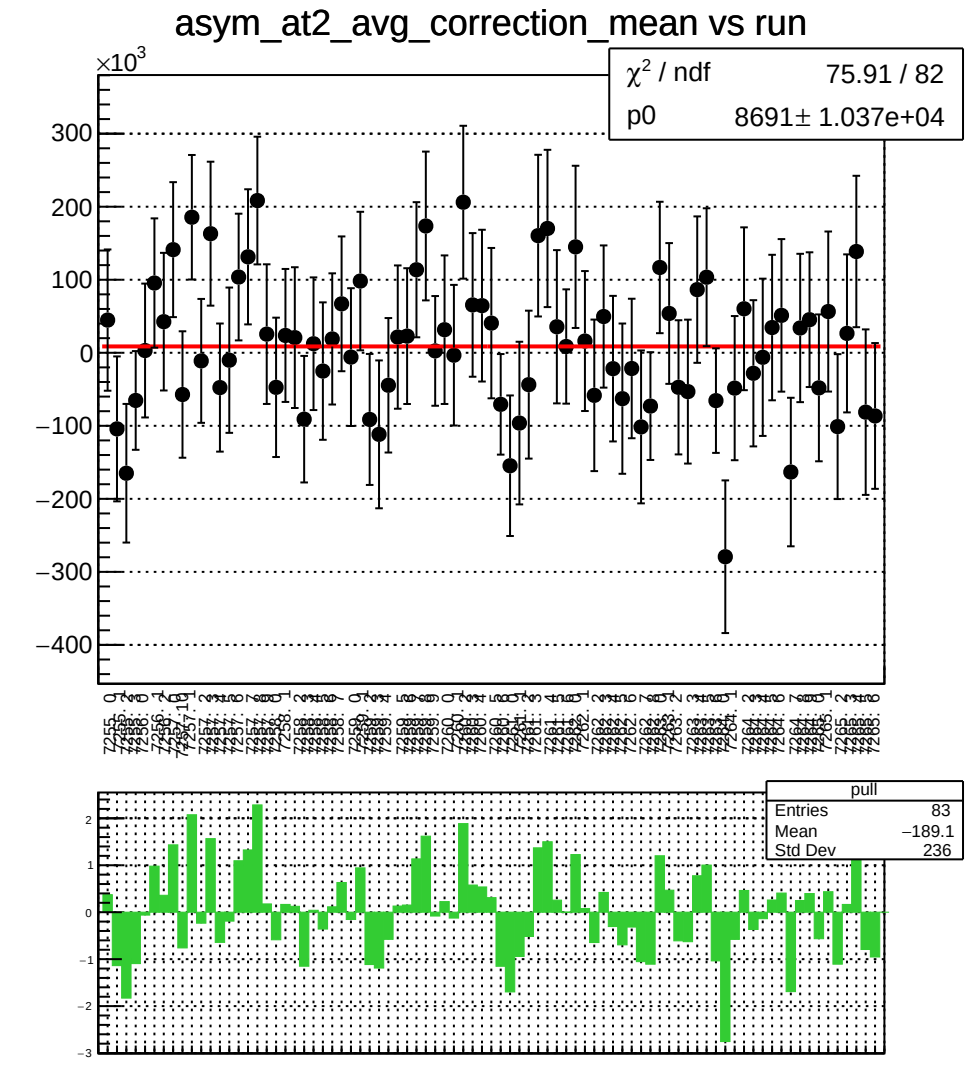

pull1D
Entries 83
Mean 0.009551
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

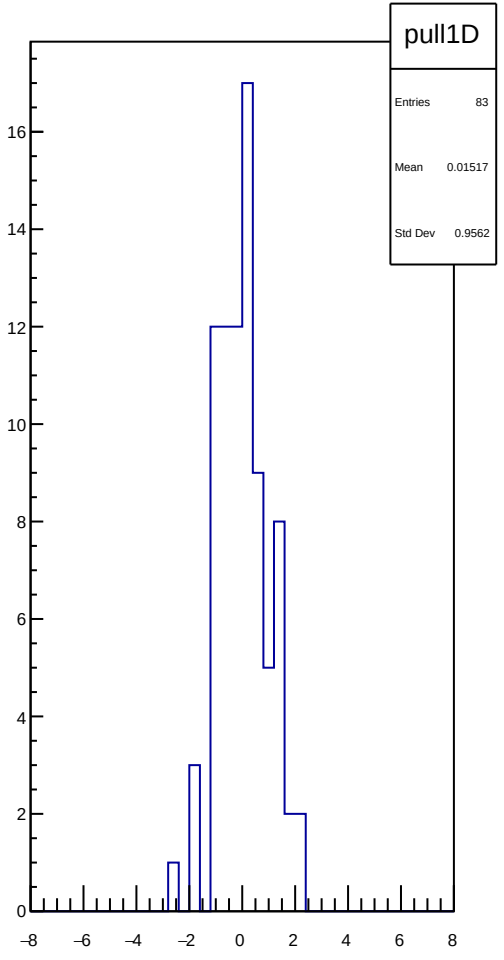

asym_at1_dd_rms vs run
χ^2 / ndf 3.491e+04 / 82
p0 1880 ± 1.503
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

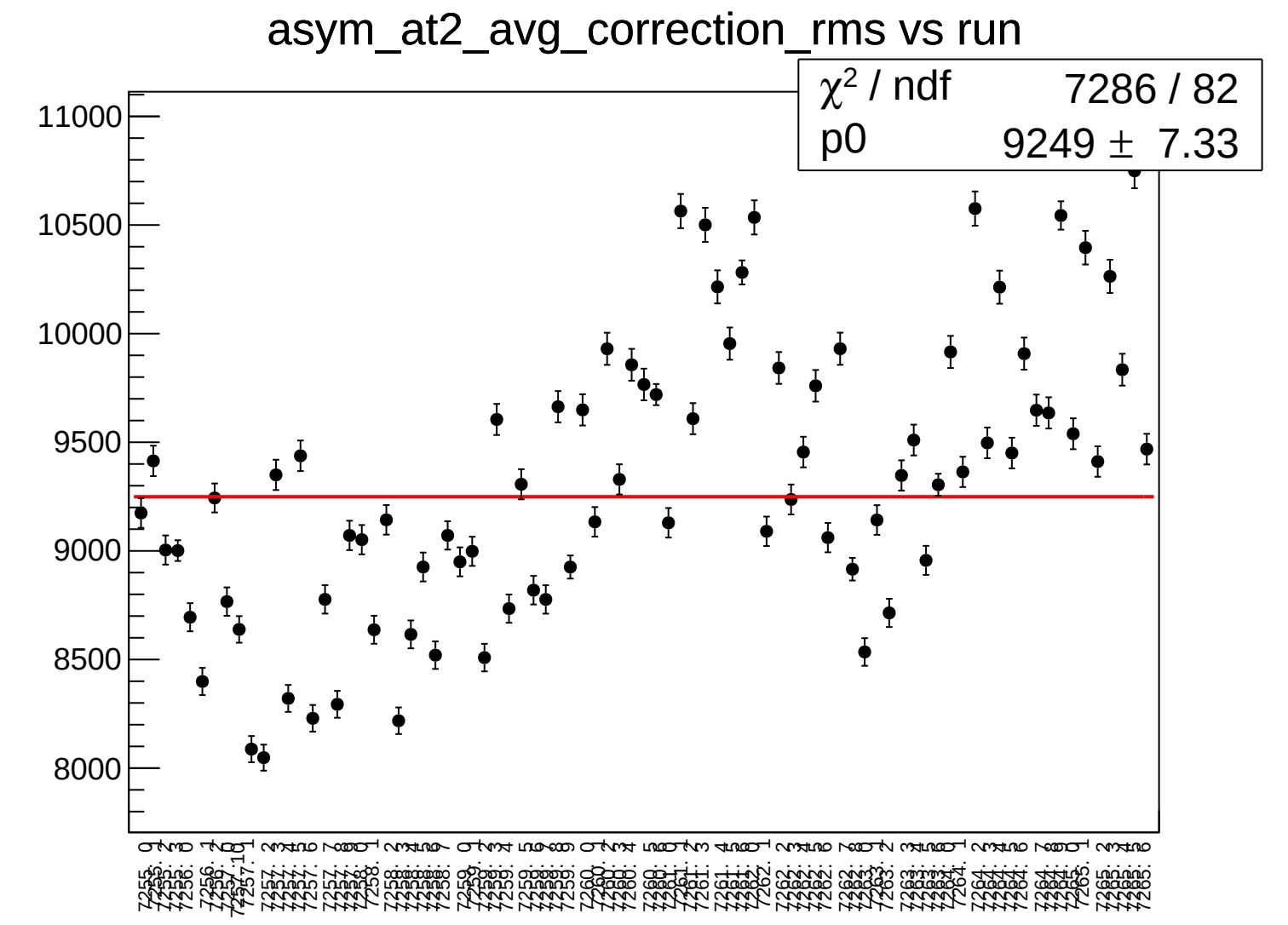

reg_asym_at2_avg_mean vs run
χ^2 / ndf 81.09 / 82
p0 −3220 ± 1875
×10^3
pull
Entries 83
Mean 352.1
Std Dev 319.7

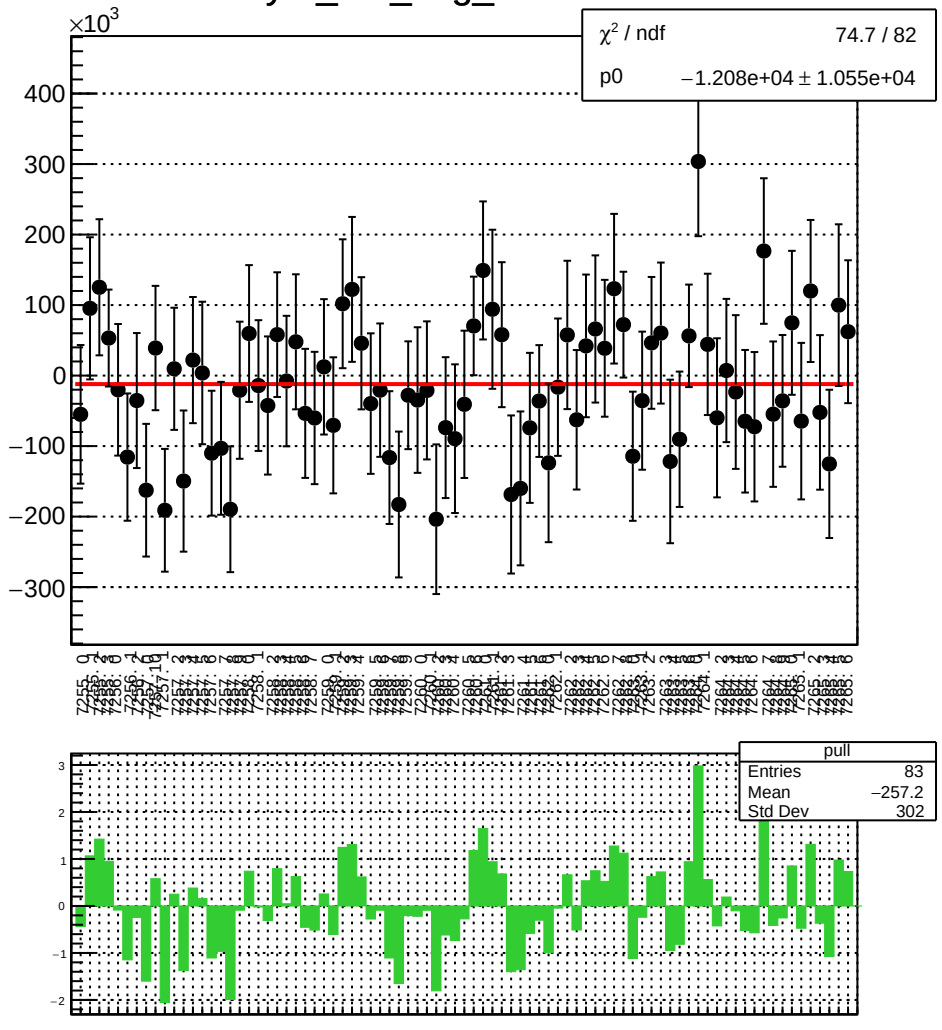

pull1D
Entries 83
Mean 0.009633
Std Dev 0.9884

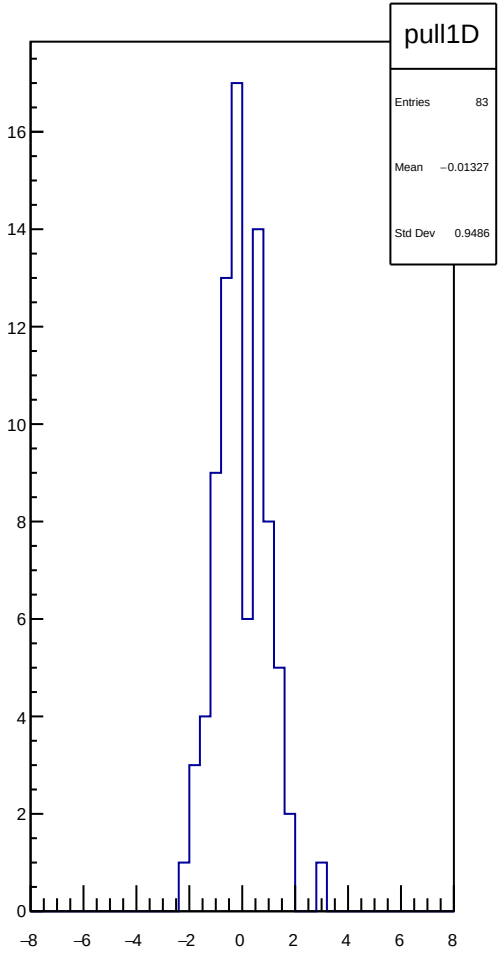

reg_asym_at2_avg_rms vs run
χ² / ndf 8958 / 82
p0 1672 ± 1.326
5500
5000
4500
4000
3500
3000
2500
2000
1500

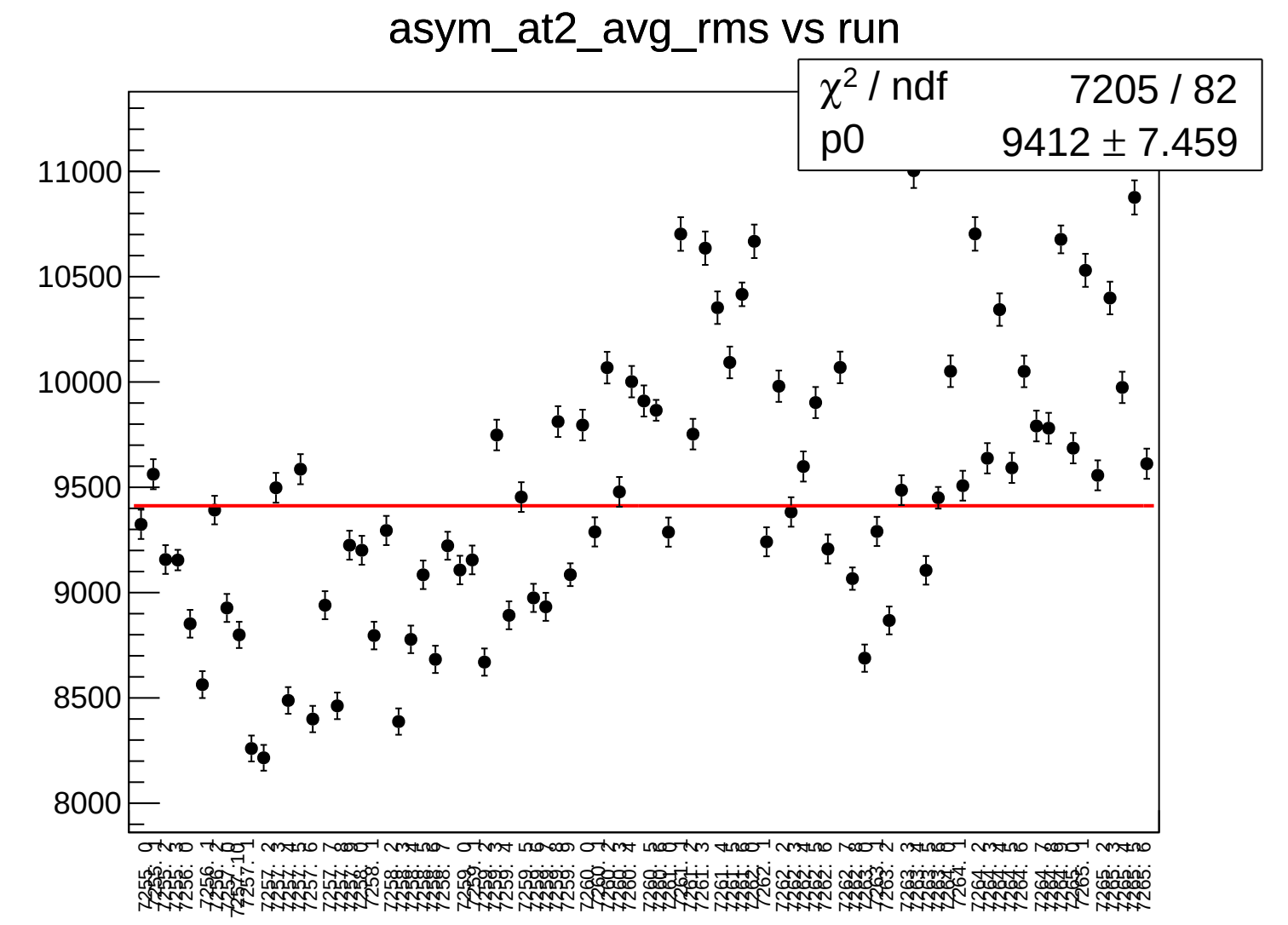

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 75.91 / 82
p0 8691± 1.037e+04
pull
Entries 83
Mean −189.1
Std Dev 236

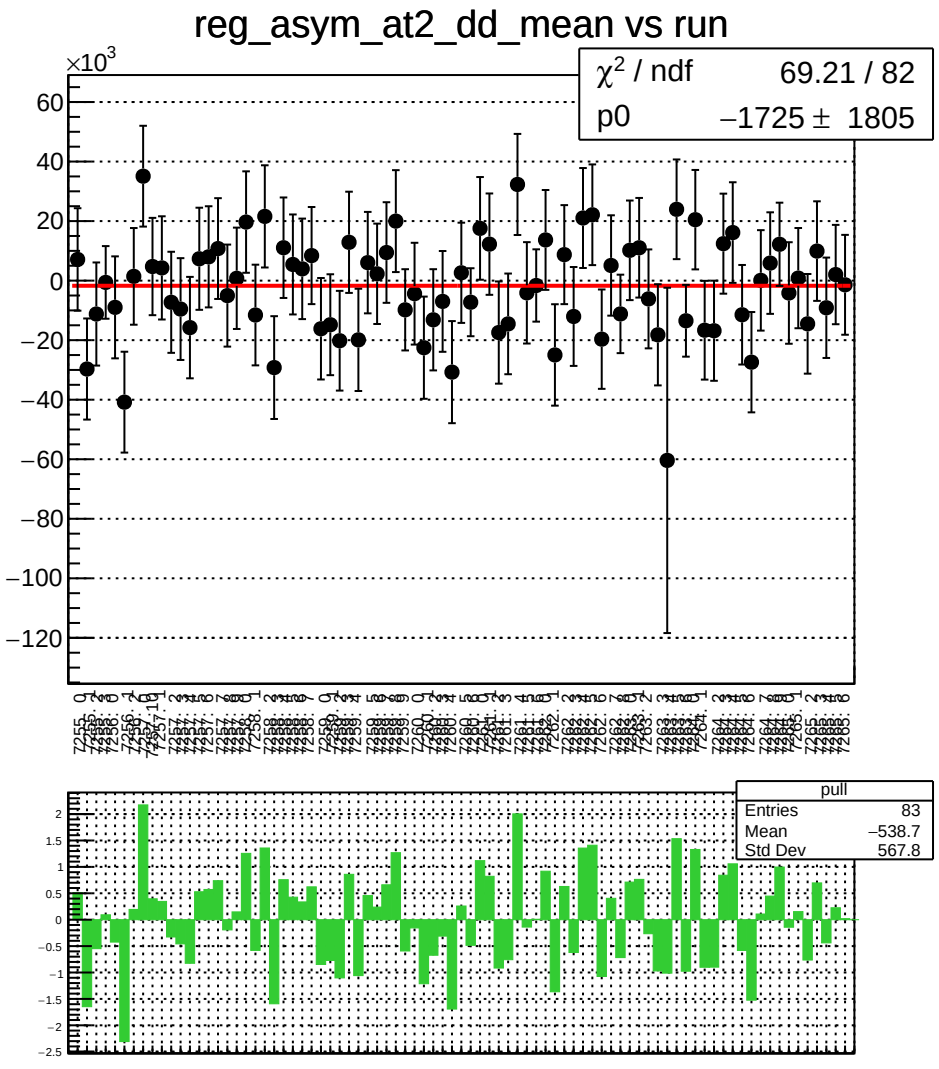

pull1D
Entries 83
Mean 0.01517
Std Dev 0.9562

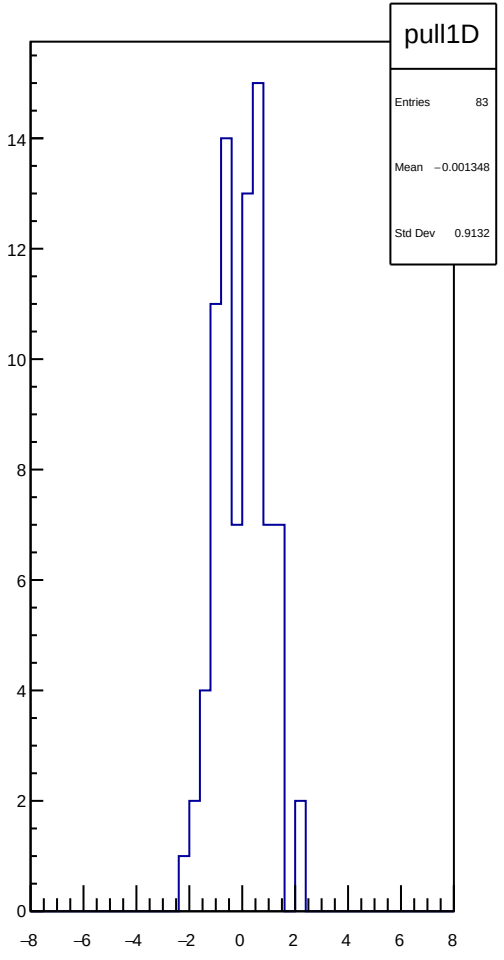

asym_at2_avg_correction_rms vs run
χ² / ndf 7286 / 82
p0 9249 ± 7.33
11000
10500
10000
9500
9000
8500
8000

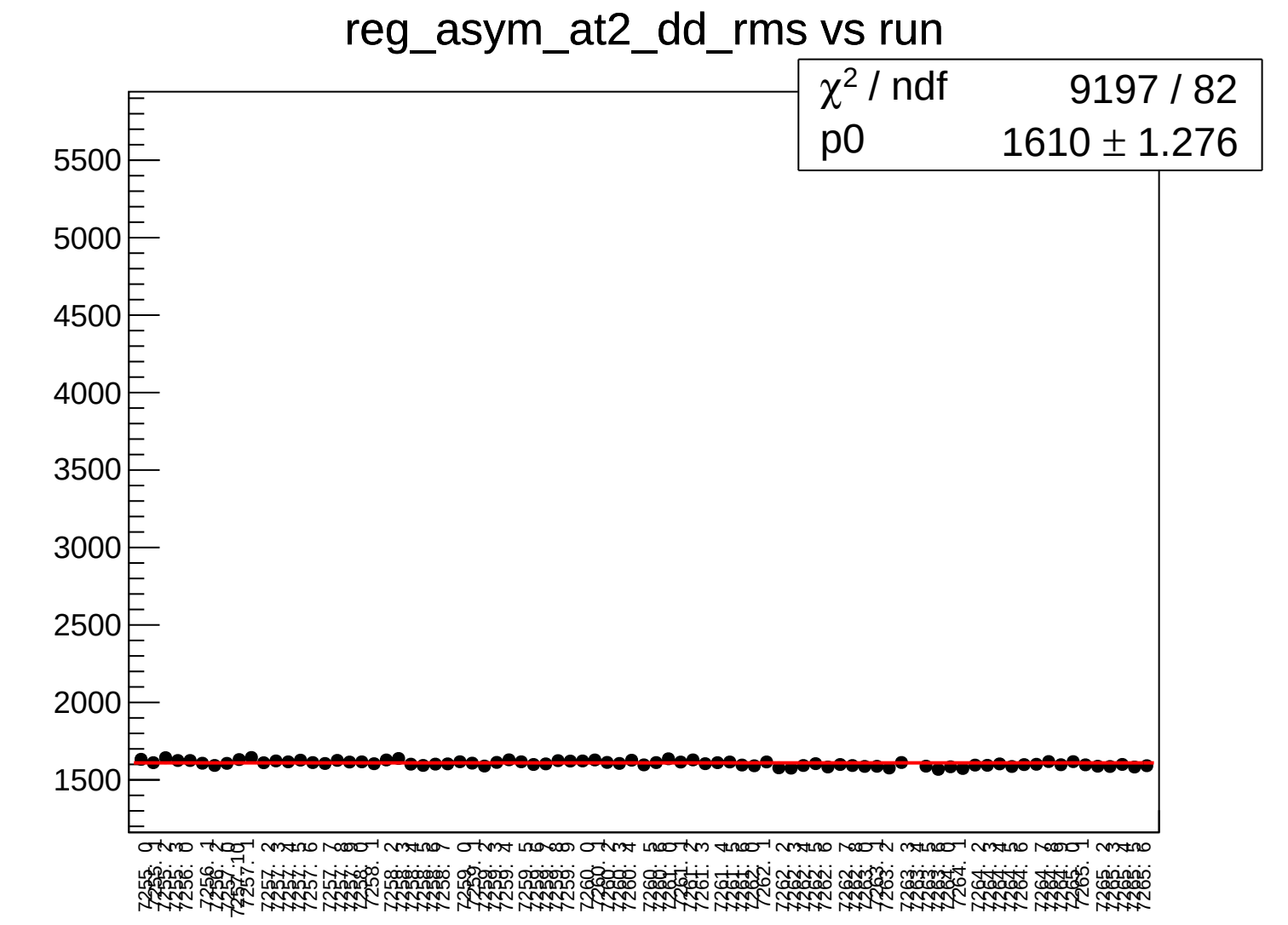

asym_at2_avg_mean vs run
×10^3
χ² / ndf 74.7 / 82
p0 −1.208e+04 ± 1.055e+04
pull
Entries 83
Mean −257.2
Std Dev 302

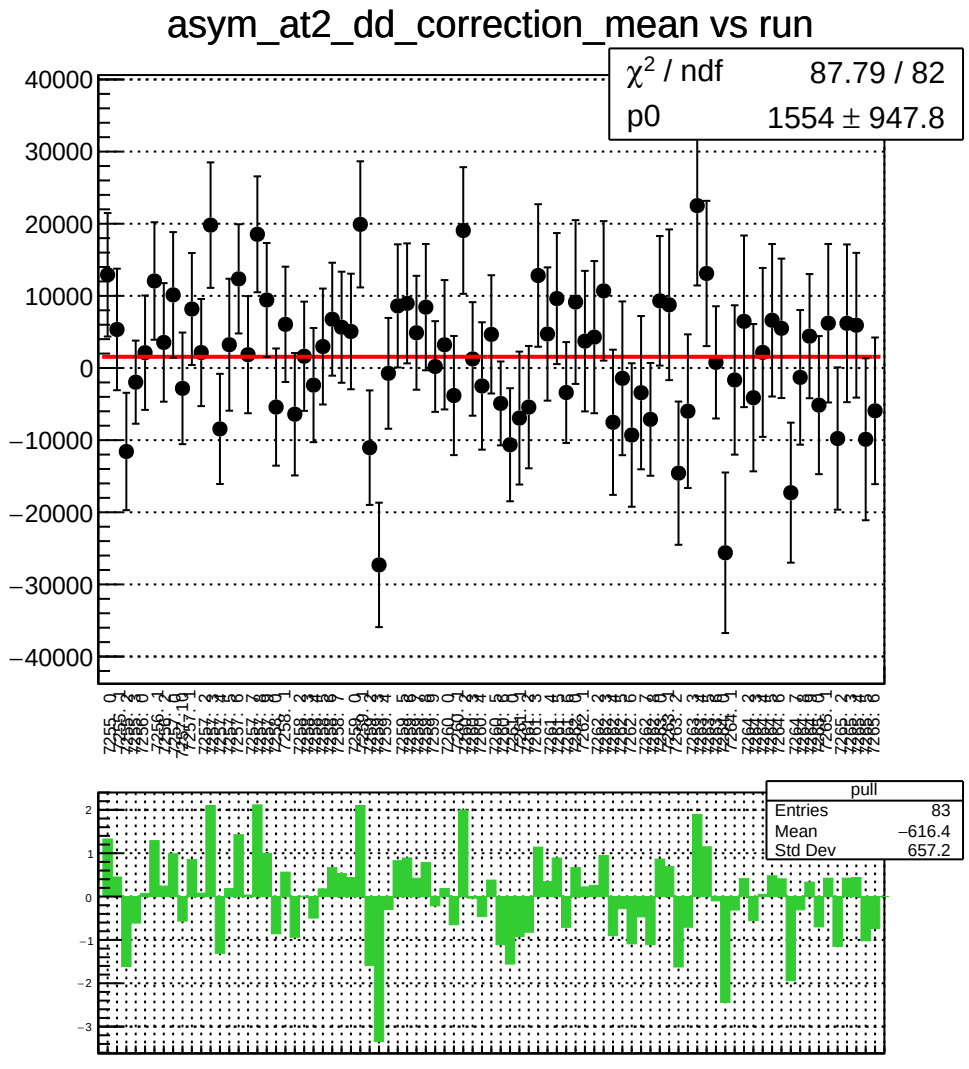

pull1D
Entries 83
Mean −0.01327
Std Dev 0.9486

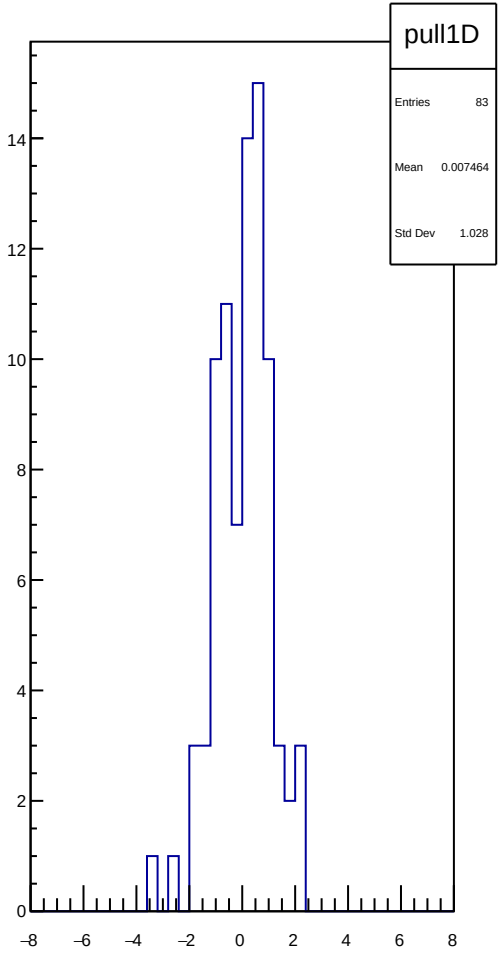

asym_at2_avg_rms vs run
χ² / ndf 7205 / 82
p0 9412 ± 7.459
11000
10500
10000
9500
9000
8500
8000

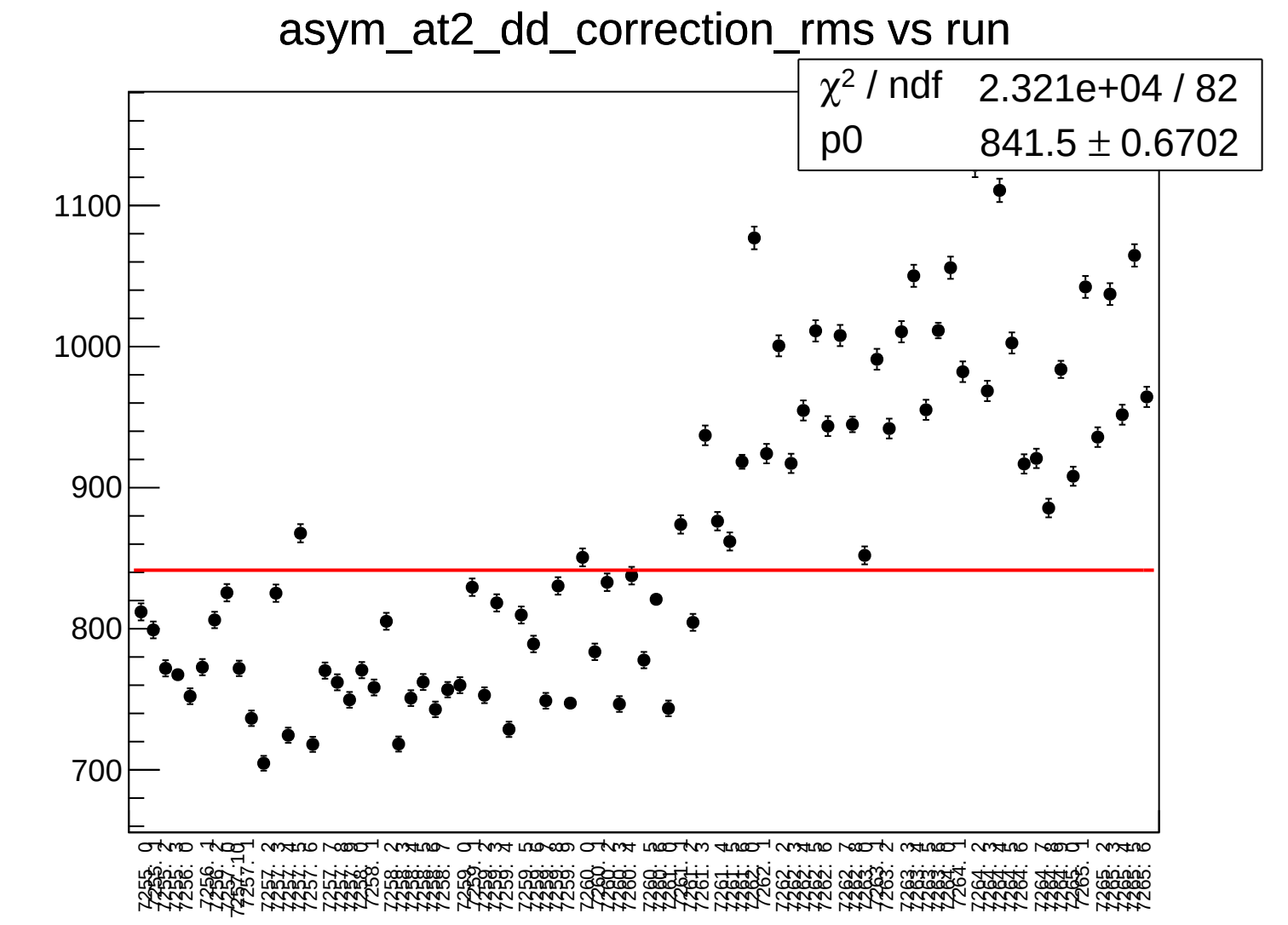

reg_asym_at2_dd_mean vs run
×10^3
χ² / ndf 69.21 / 82
p0 −1725 ± 1805
pull
Entries 83
Mean −538.7
Std Dev 567.8

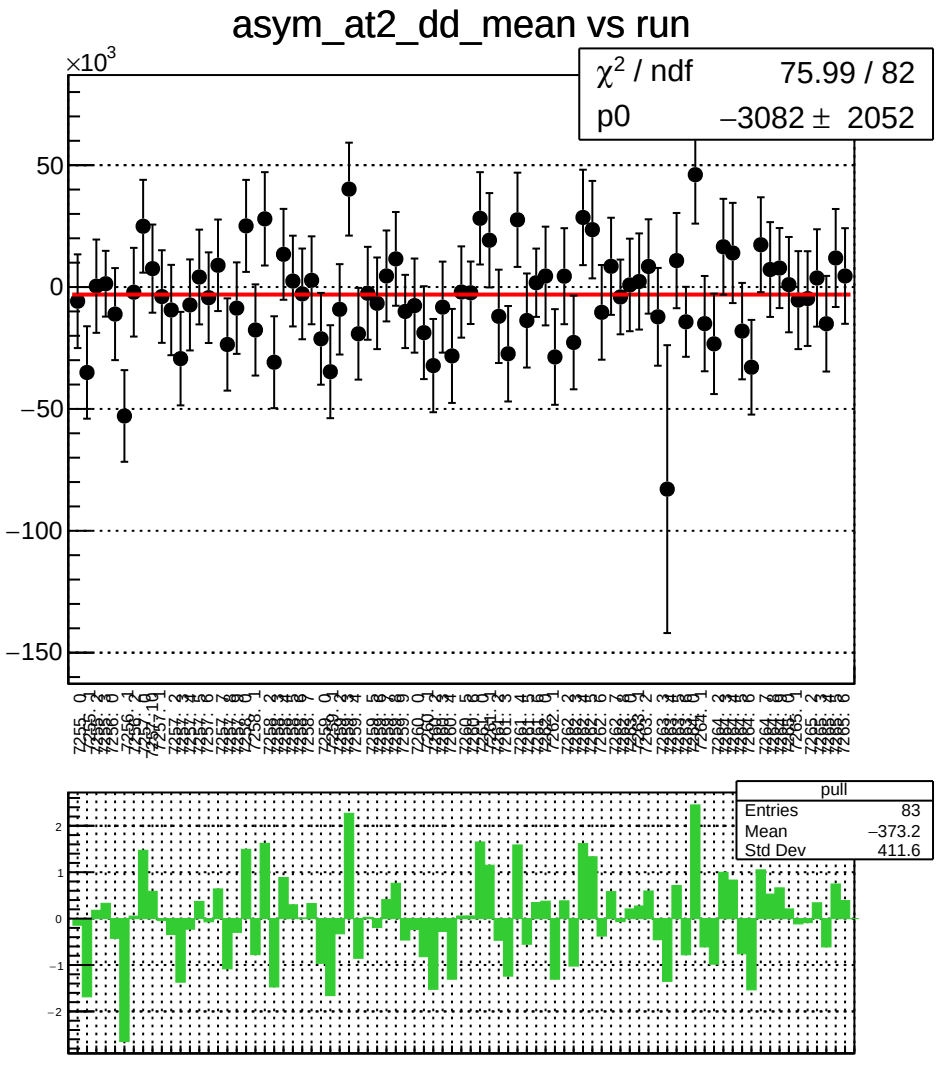

pull1D
Entries 83
Mean −0.001348
Std Dev 0.9132

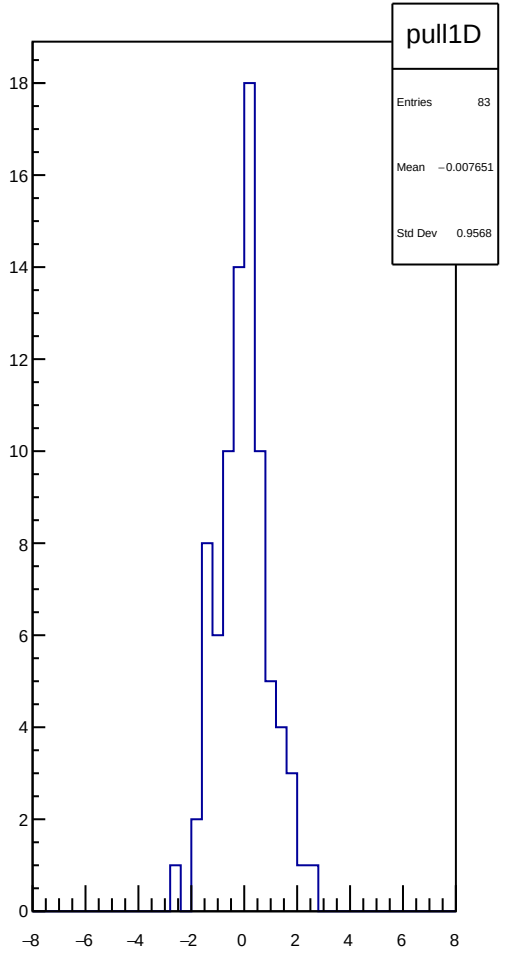

reg_asym_at2_dd_rms vs run
χ^2 / ndf 9197 / 82
p0 1610 ± 1.276
5500
5000
4500
4000
3500
3000
2500
2000
1500

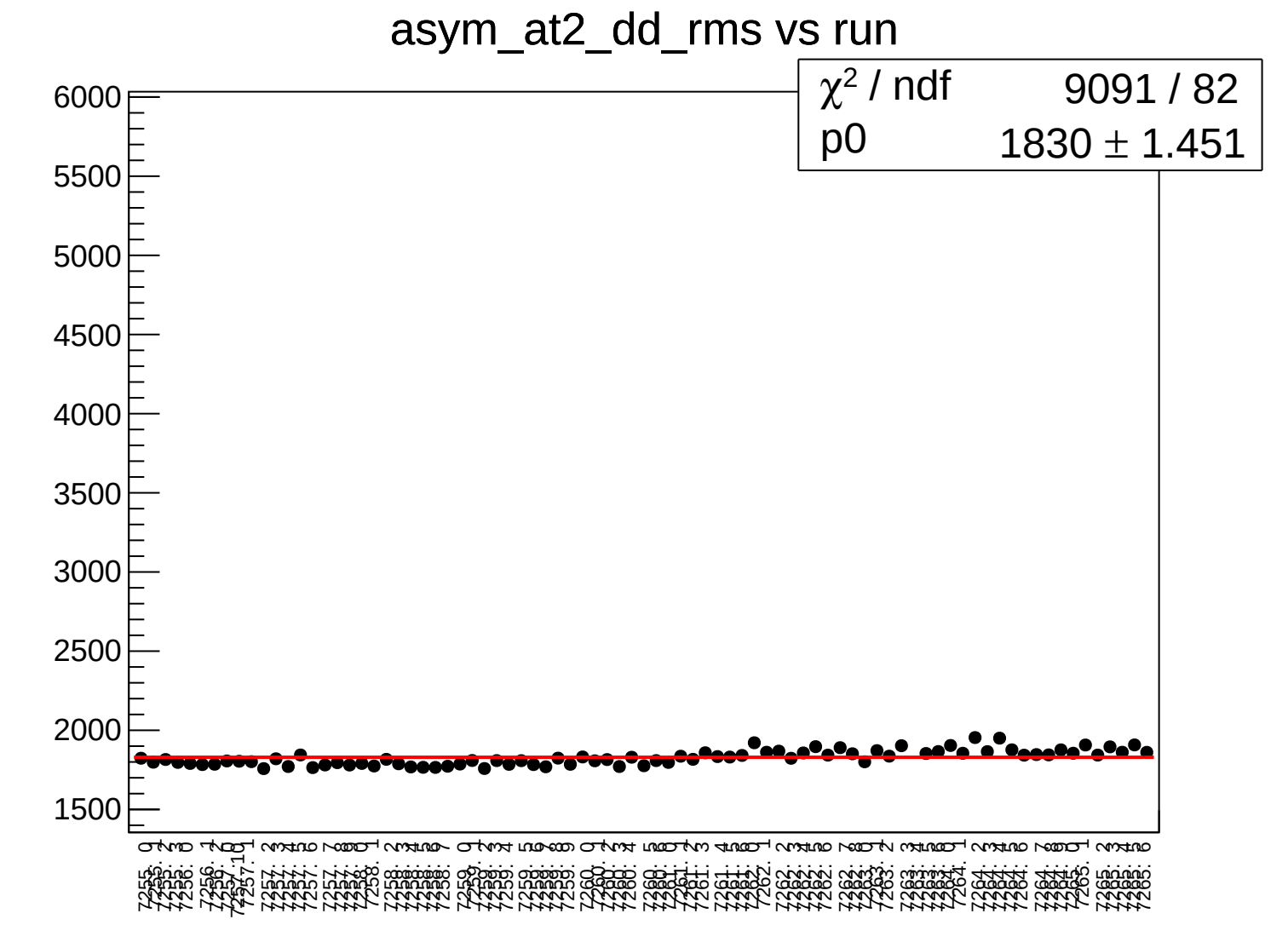

asym_at2_dd_correction_mean vs run
χ² / ndf 87.79 / 82
p0 1554 ± 947.8
pull
Entries 83
Mean −616.4
Std Dev 657.2

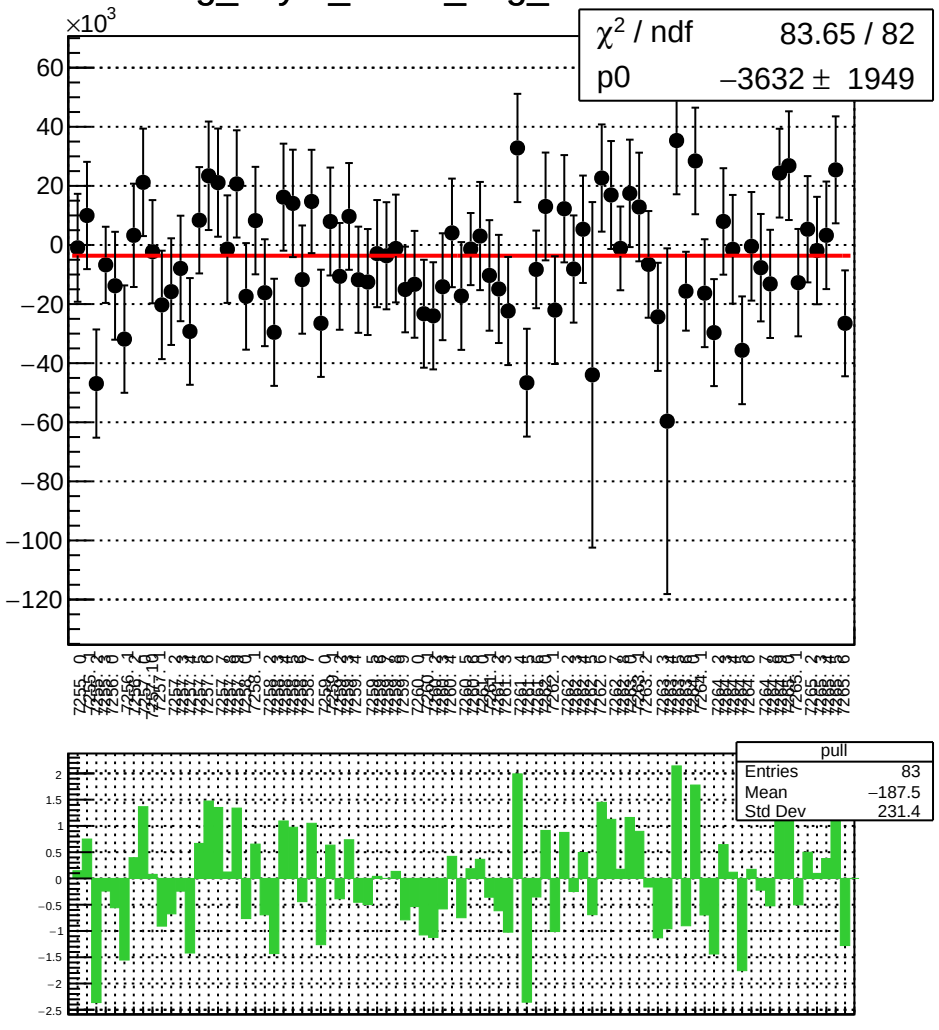

pull1D
Entries 83
Mean 0.007464
Std Dev 1.028

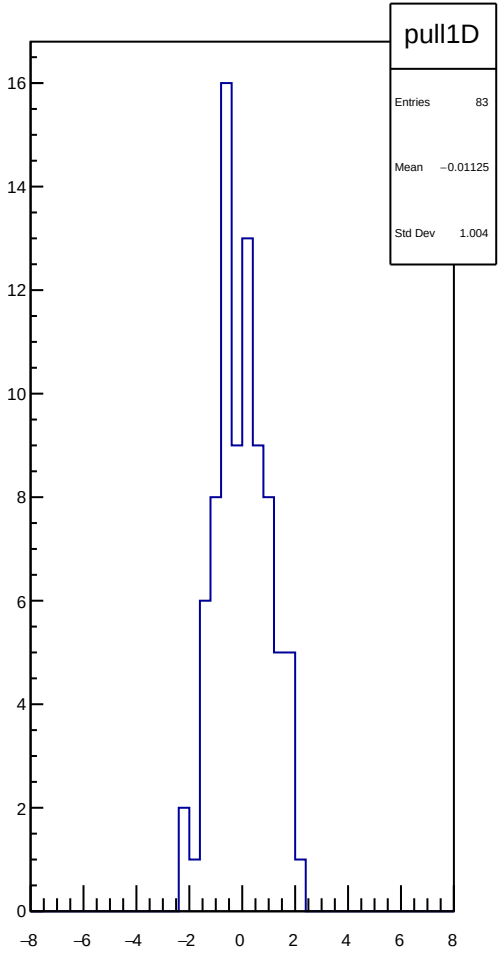

asym_at2_dd_correction_rms vs run
χ² / ndf 2.321e+04 / 82
p0 841.5 ± 0.6702
1100
1000
900
800
700

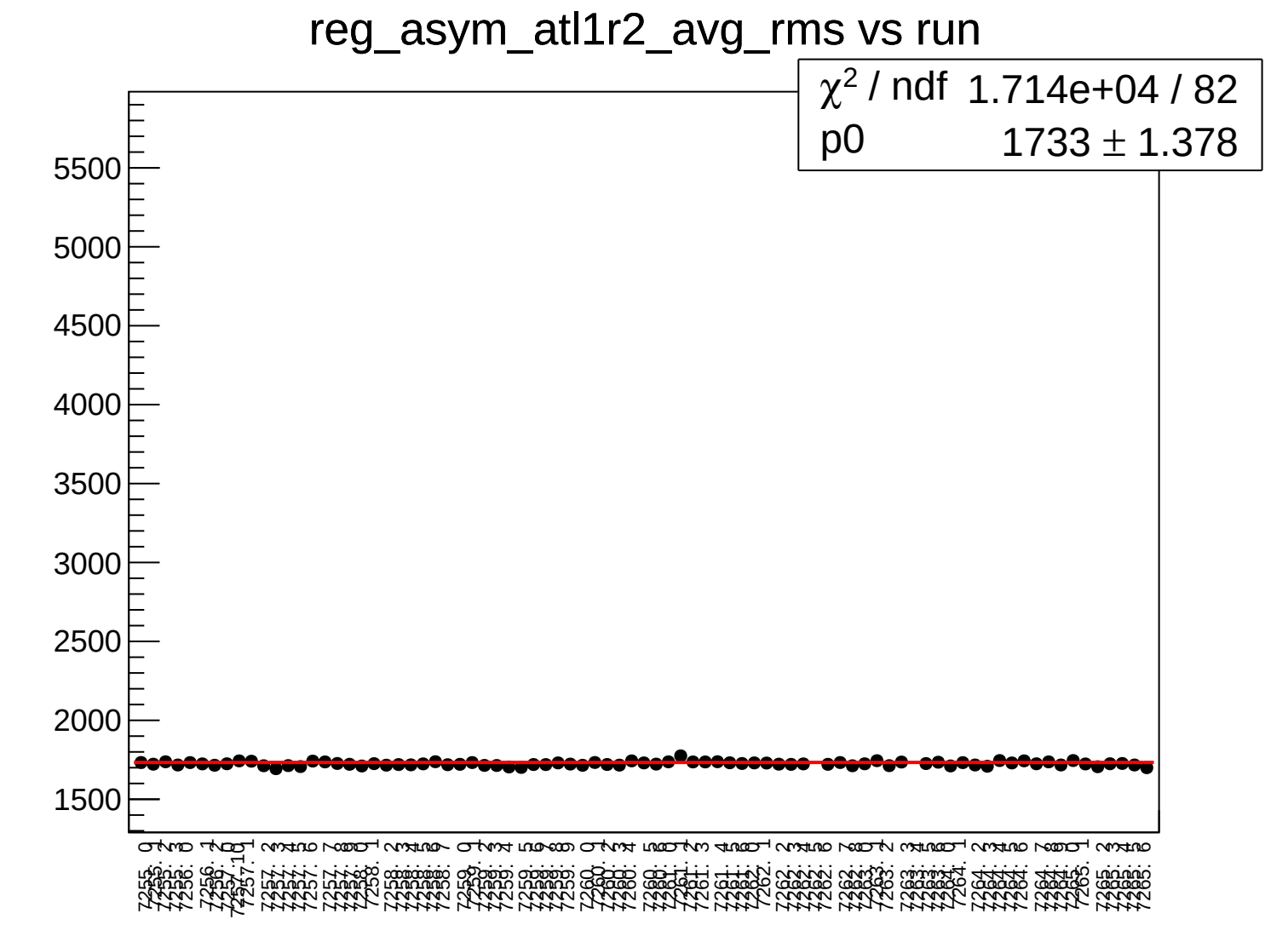

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 75.99 / 82
p0 −3082 ± 2052
50
0
−50
−100
−150
pull
Entries 83
Mean −373.2
Std Dev 411.6
2
1
0
−1
−2

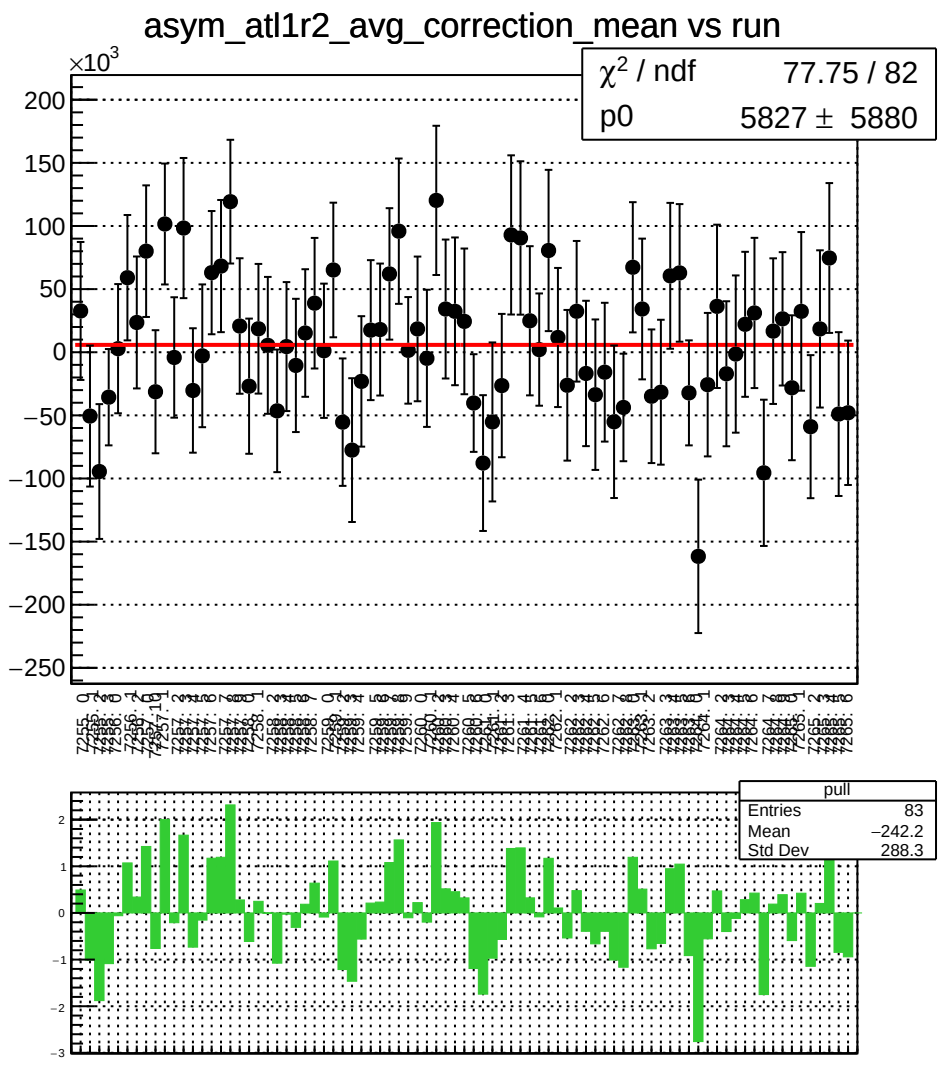

pull1D
Entries 83
Mean −0.007651
Std Dev 0.9568
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

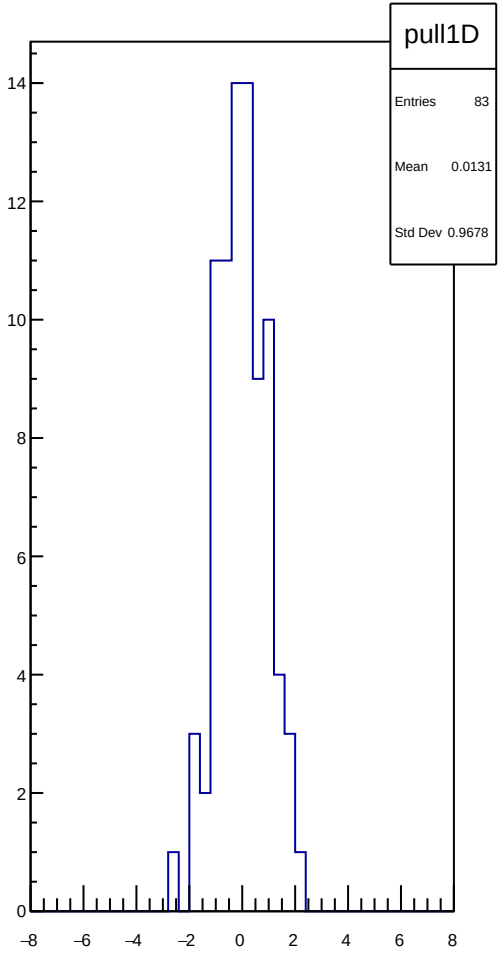

asym_at2_dd_rms vs run
χ^2 / ndf 9091 / 82
p0 1830 ± 1.451
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

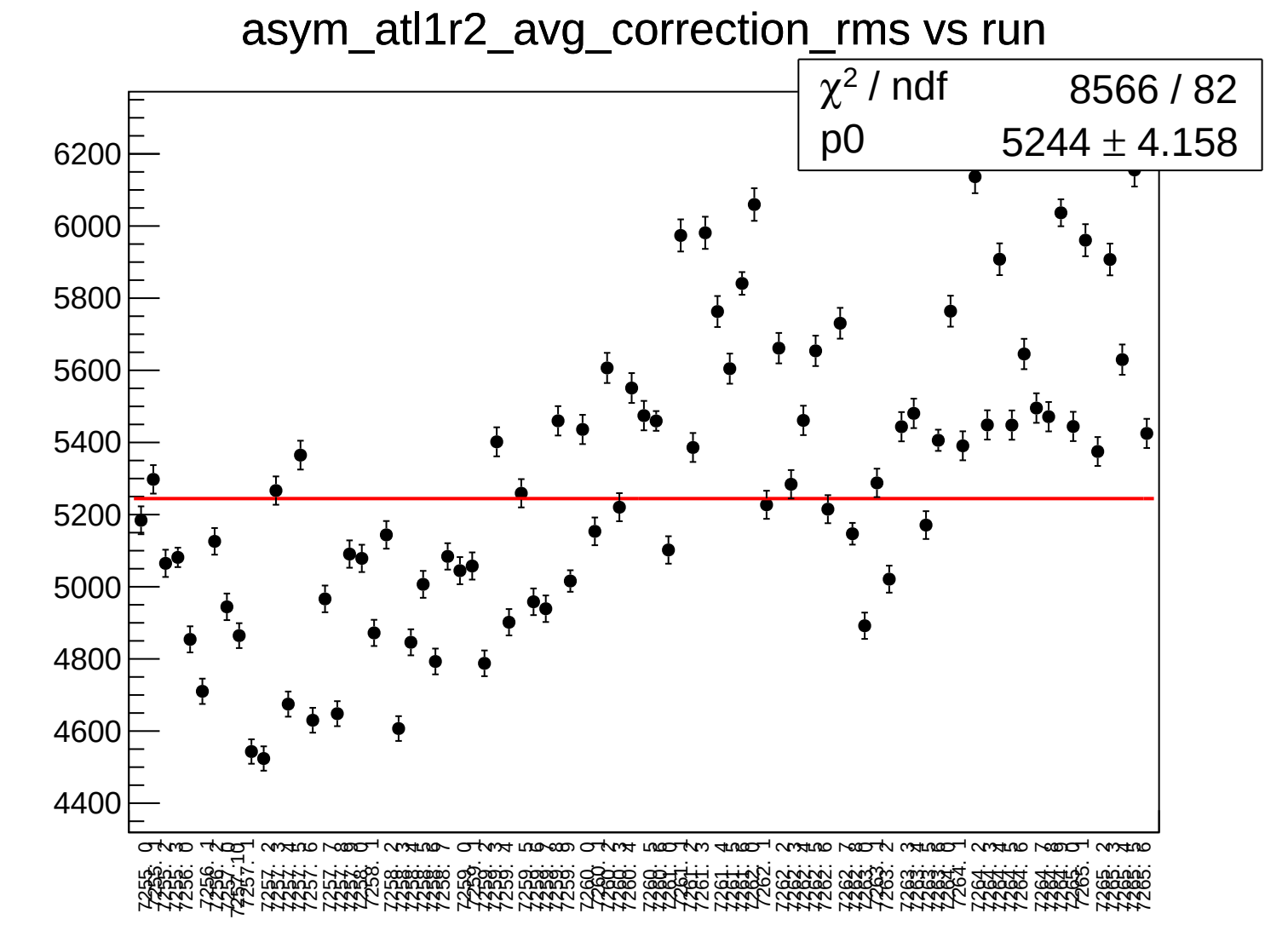

reg_asym_atl1r2_avg_mean vs run
χ^2 / ndf 83.65 / 82
p0 −3632 ± 1949
×10^3
pull
Entries 83
Mean −187.5
Std Dev 231.4

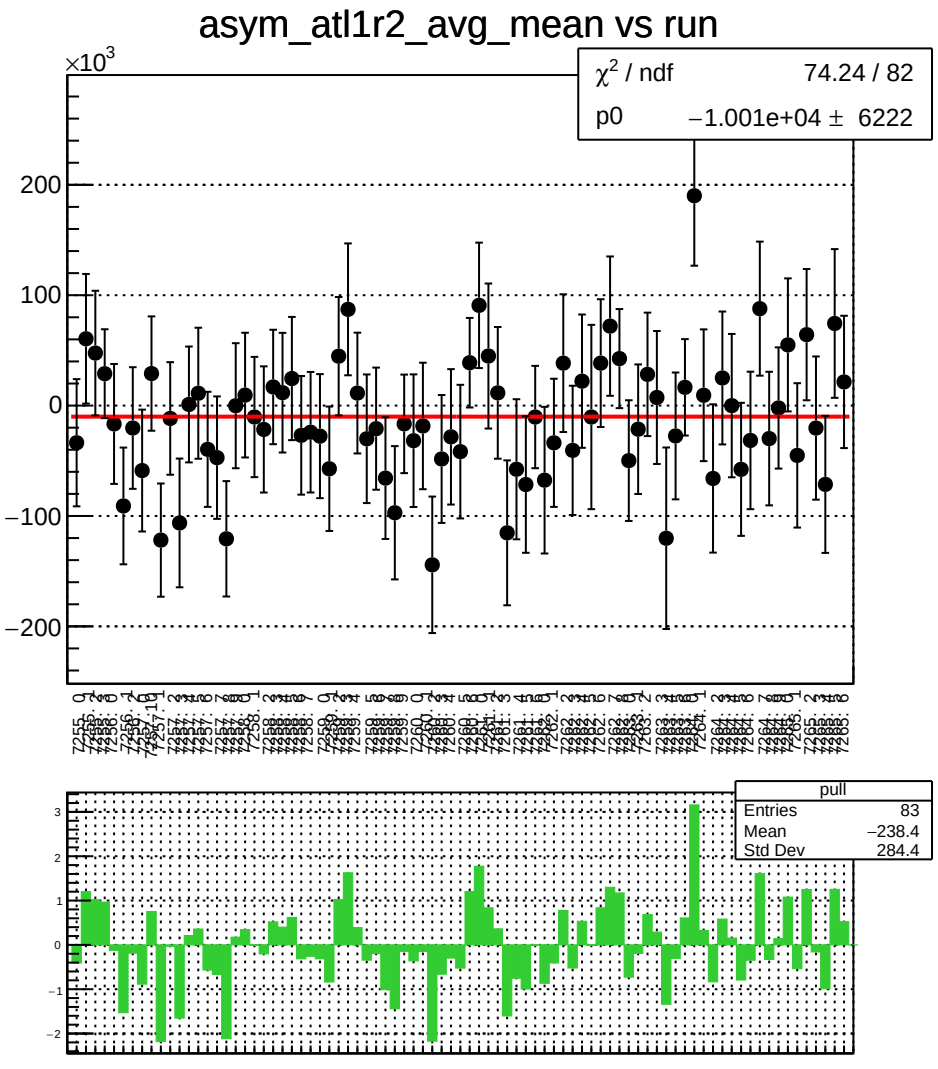

pull1D
Entries 83
Mean −0.01125
Std Dev 1.004

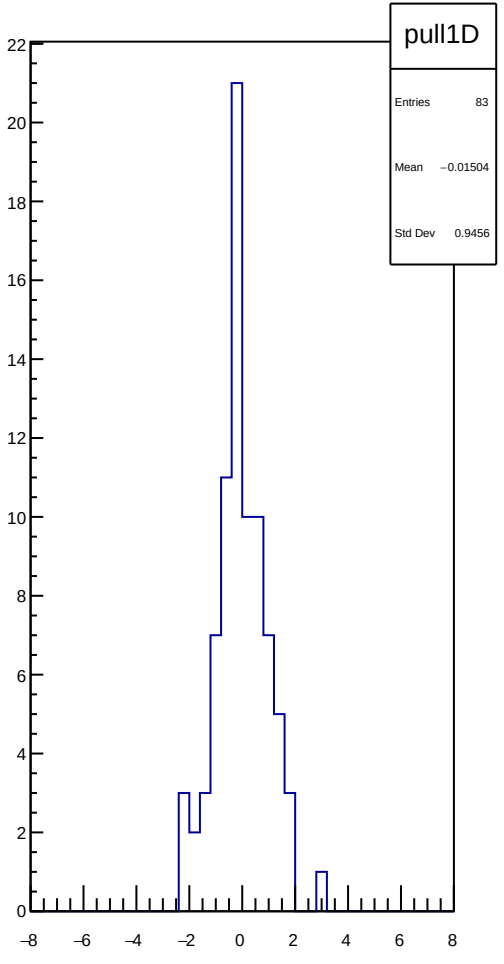

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 1.714e+04 / 82
p0 1733 ± 1.378
5500
5000
4500
4000
3500
3000
2500
2000
1500

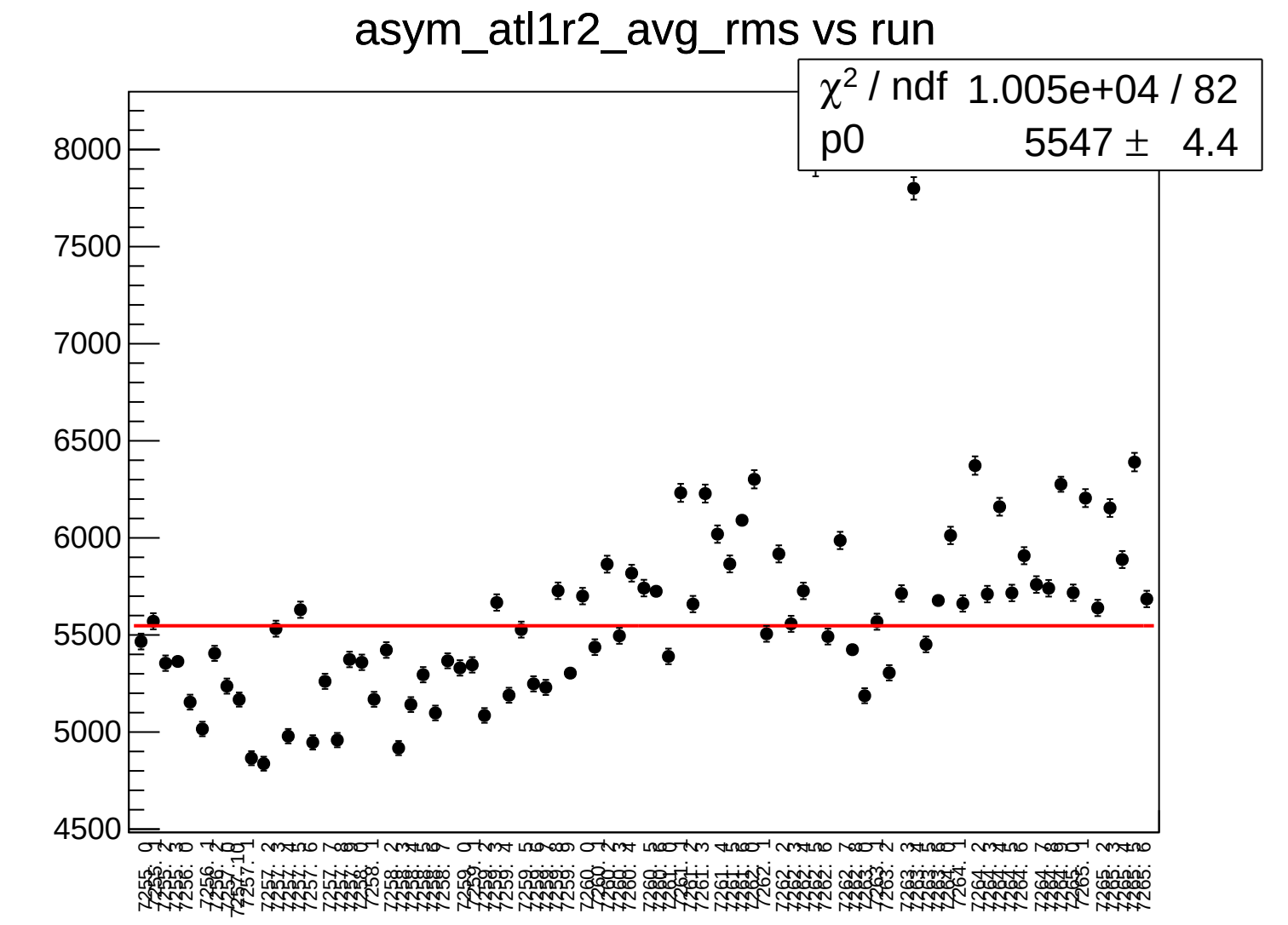

asym_atl1r2_avg_correction_mean vs run
×10^3
χ² / ndf 77.75 / 82
p0 5827 ± 5880
pull
Entries 83
Mean −242.2
Std Dev 288.3

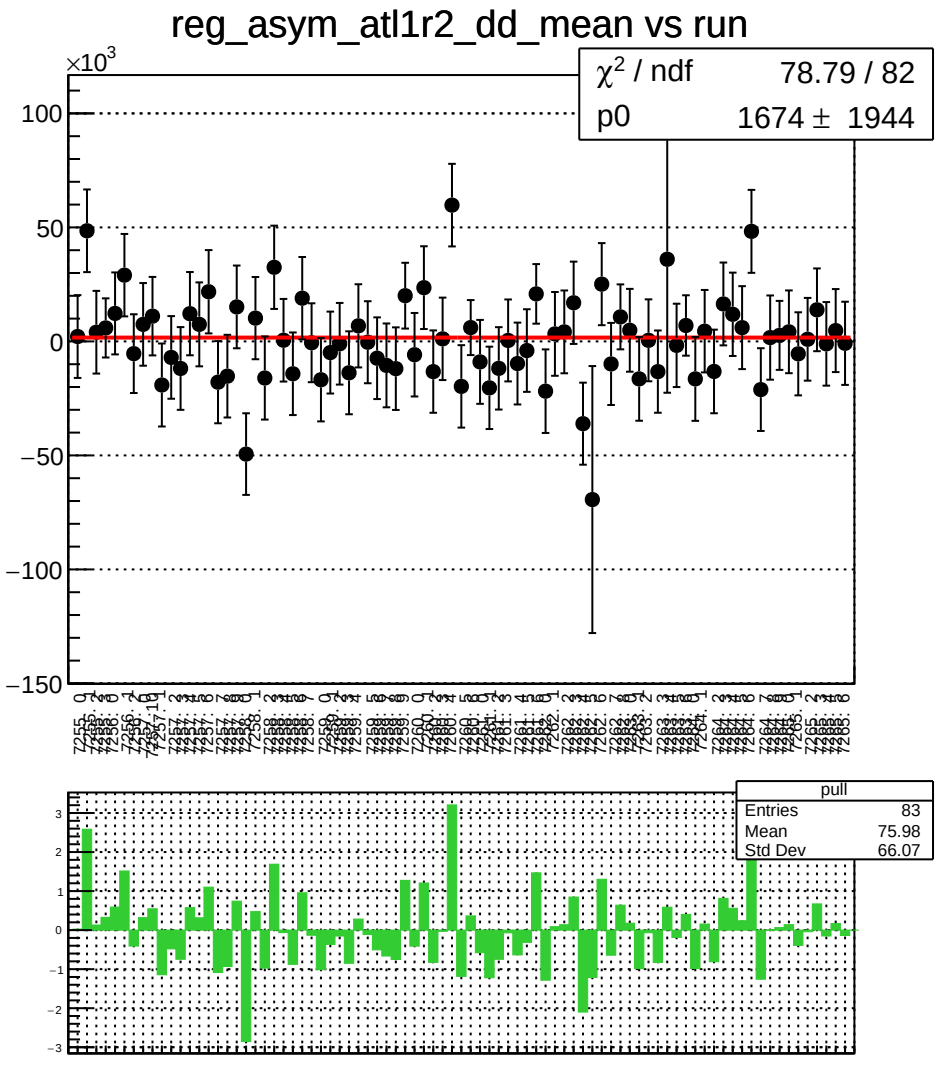

pull1D
Entries 83
Mean 0.0131
Std Dev 0.9678

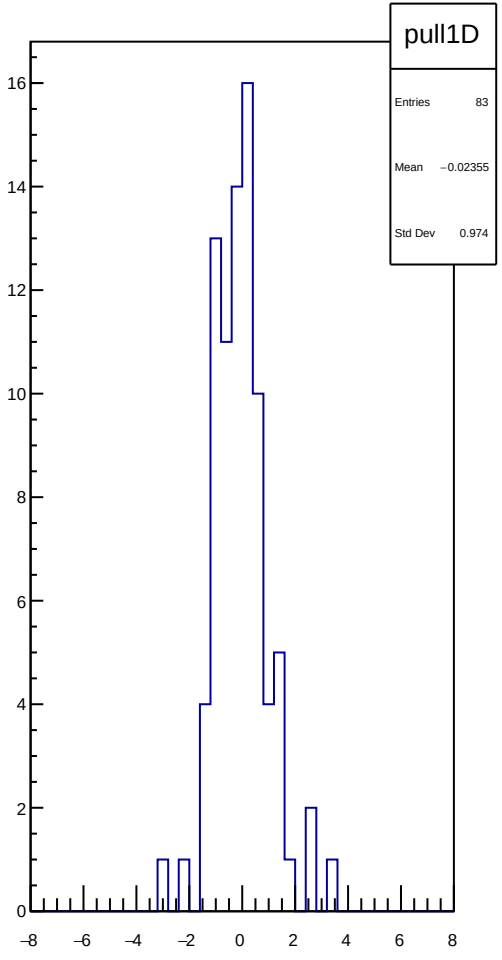

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 8566 / 82
p0 5244 ± 4.158
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

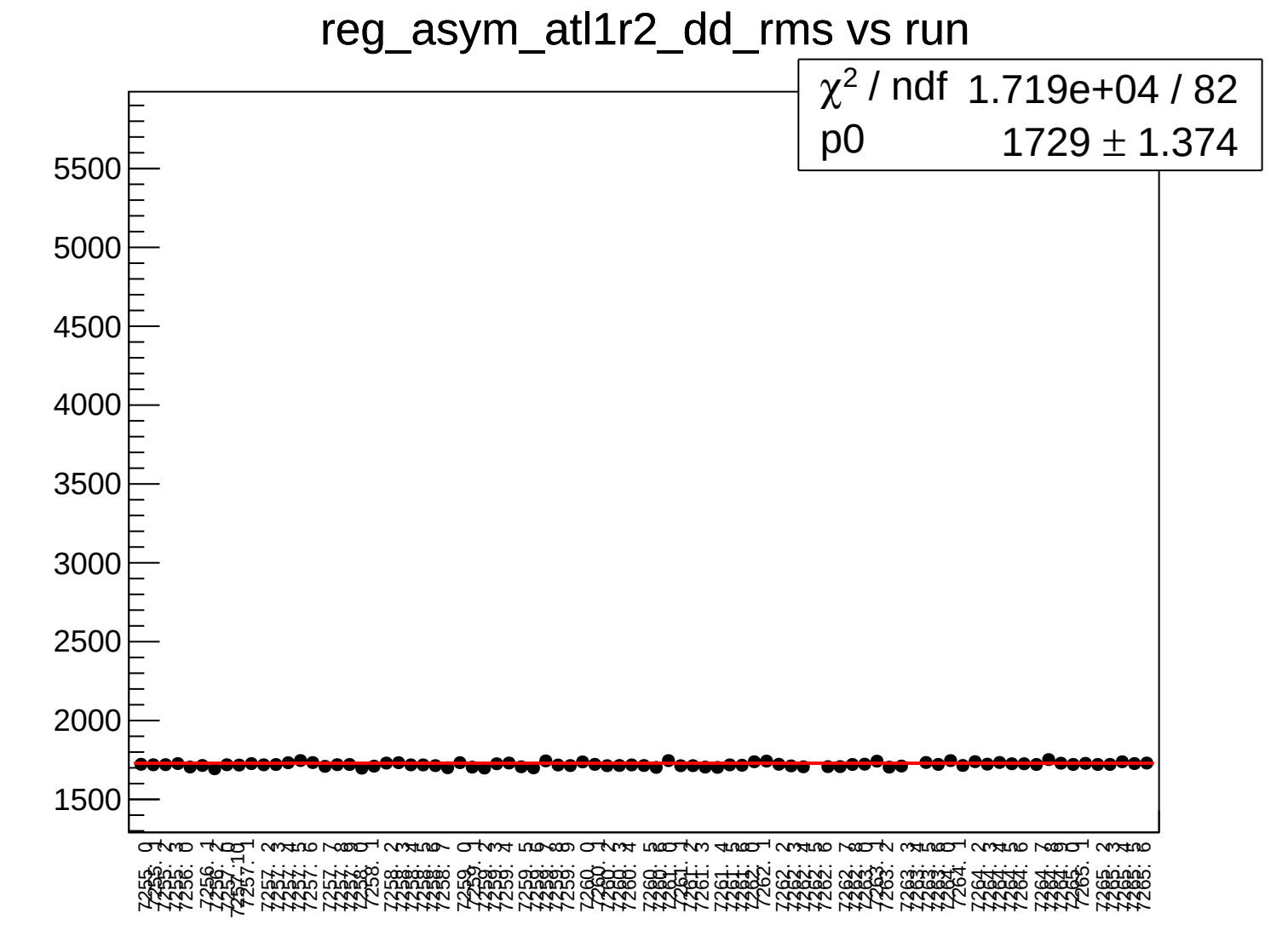

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 74.24 / 82
p0 −1.001e+04 ± 6222
200
100
0
−100
−200
pull
Entries 83
Mean −238.4
Std Dev 284.4
3
2
1
0
−1
−2

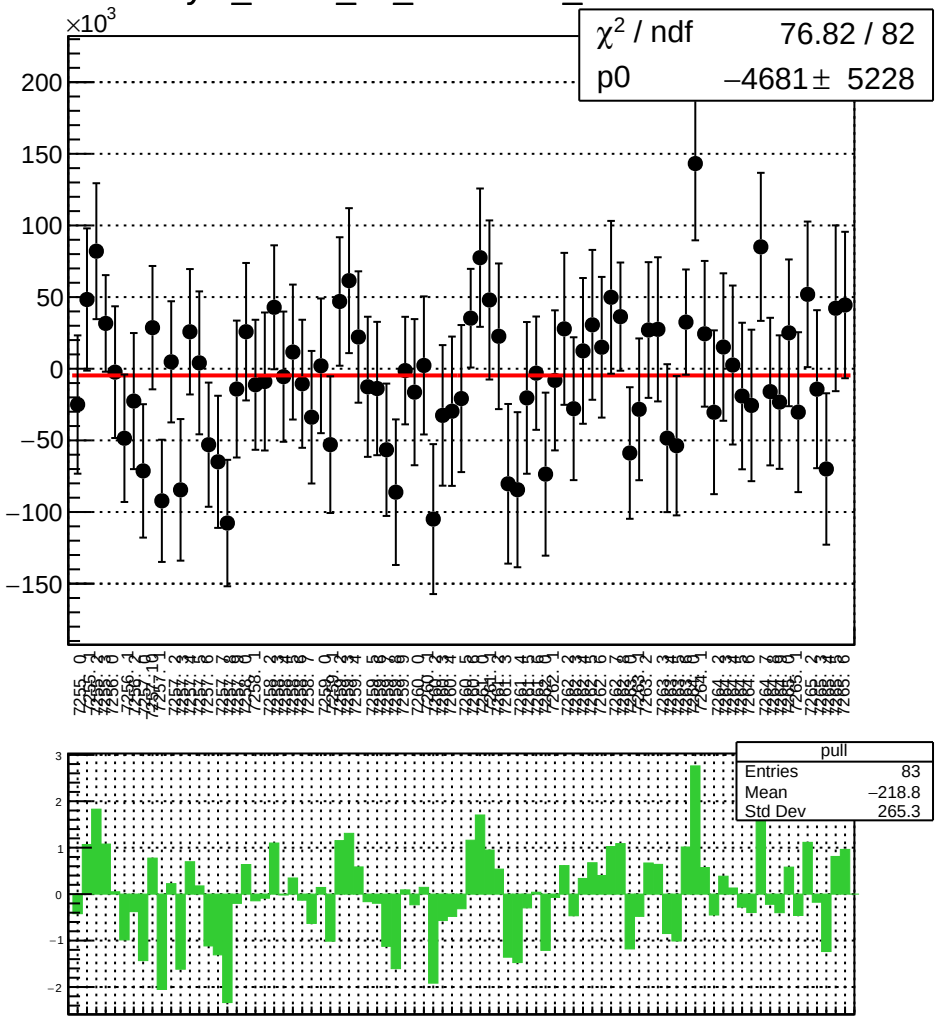

pull1D
Entries 83
Mean −0.01504
Std Dev 0.9456
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

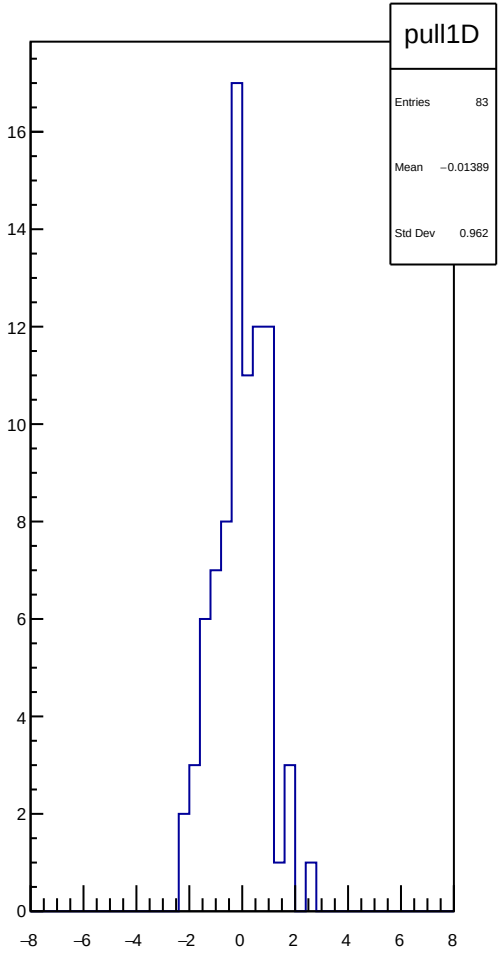

asym_atl1r2_avg_rms vs run
χ² / ndf 1.005e+04 / 82
p0 5547 ± 4.4
8000
7500
7000
6500
6000
5500
5000
4500

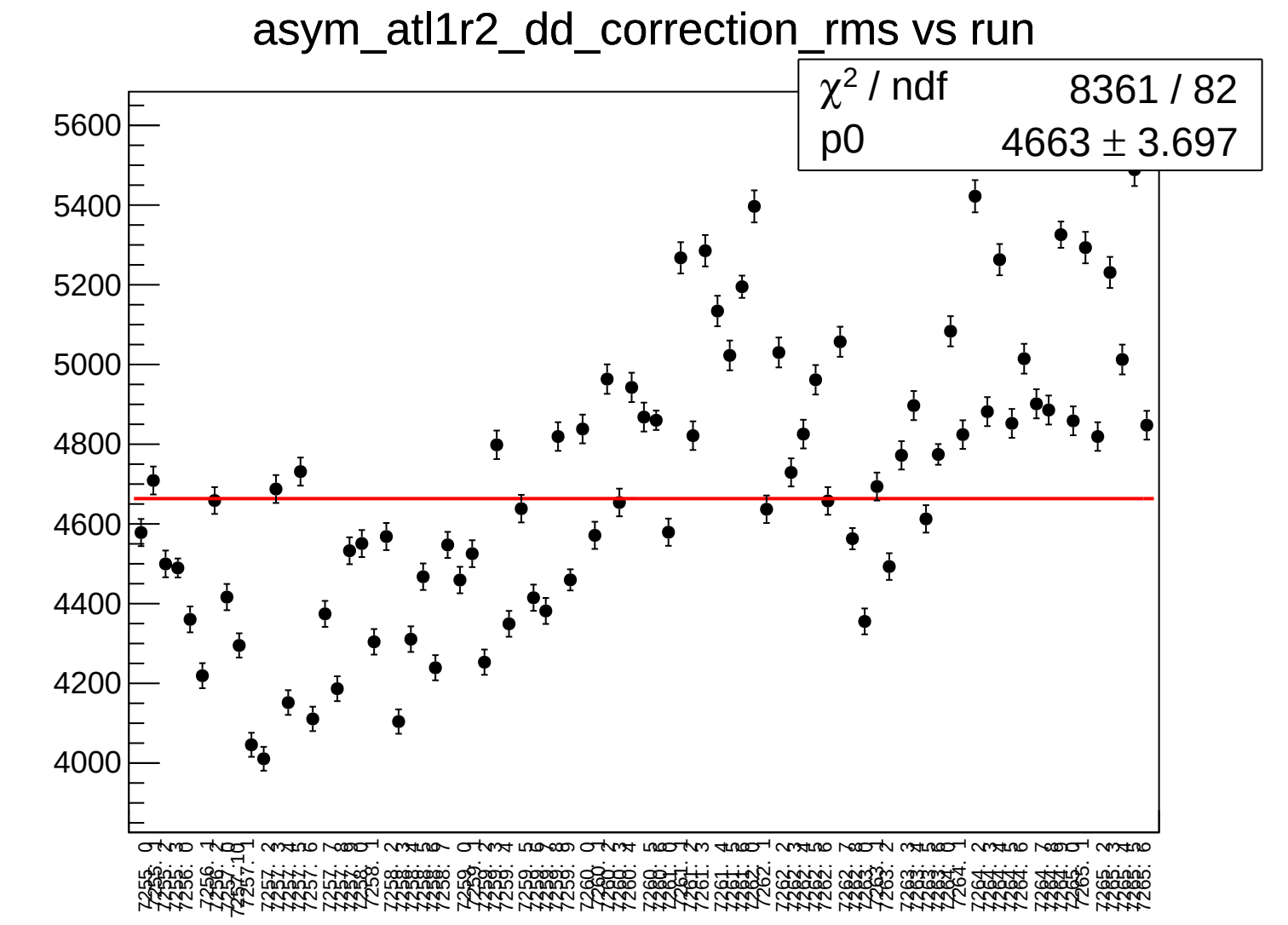

reg_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 78.79 / 82
p0 1674 ± 1944
pull
Entries 83
Mean 75.98
Std Dev 66.07

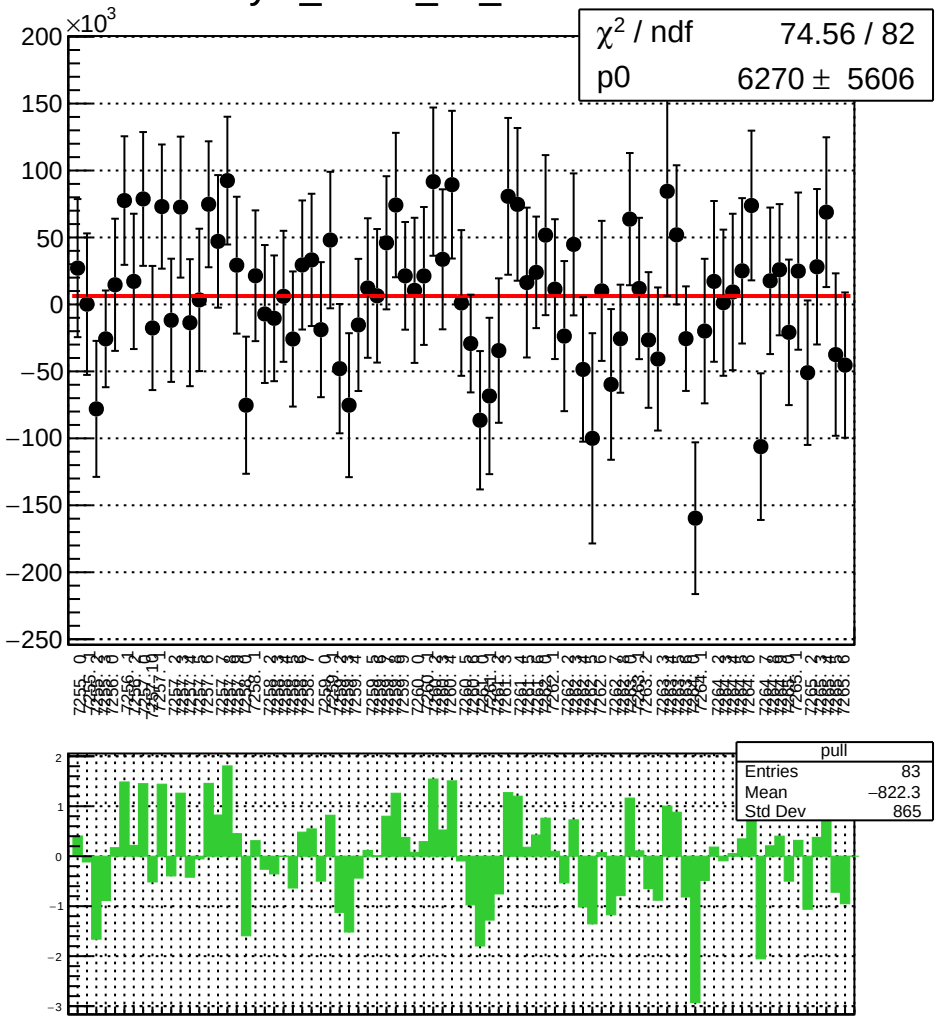

pull1D
Entries 83
Mean −0.02355
Std Dev 0.974

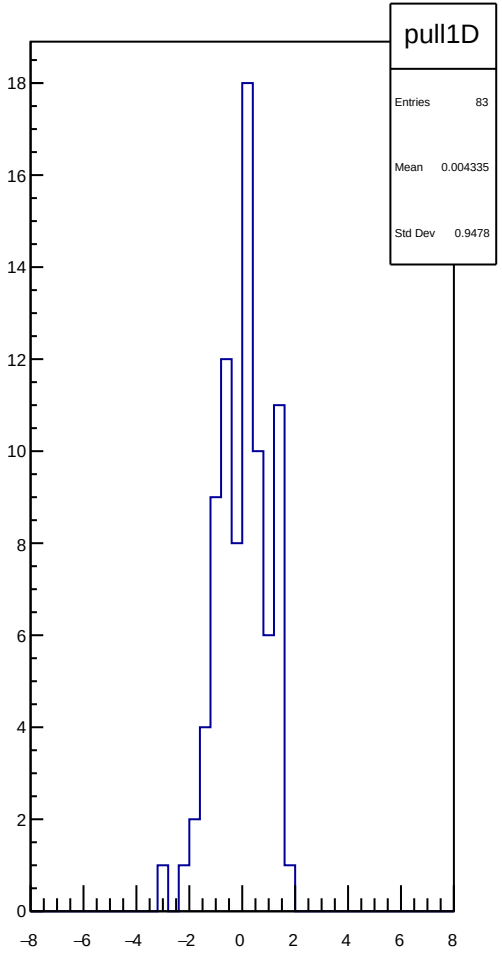

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 1.719e+04 / 82
p0 1729 ± 1.374
5500
5000
4500
4000
3500
3000
2500
2000
1500

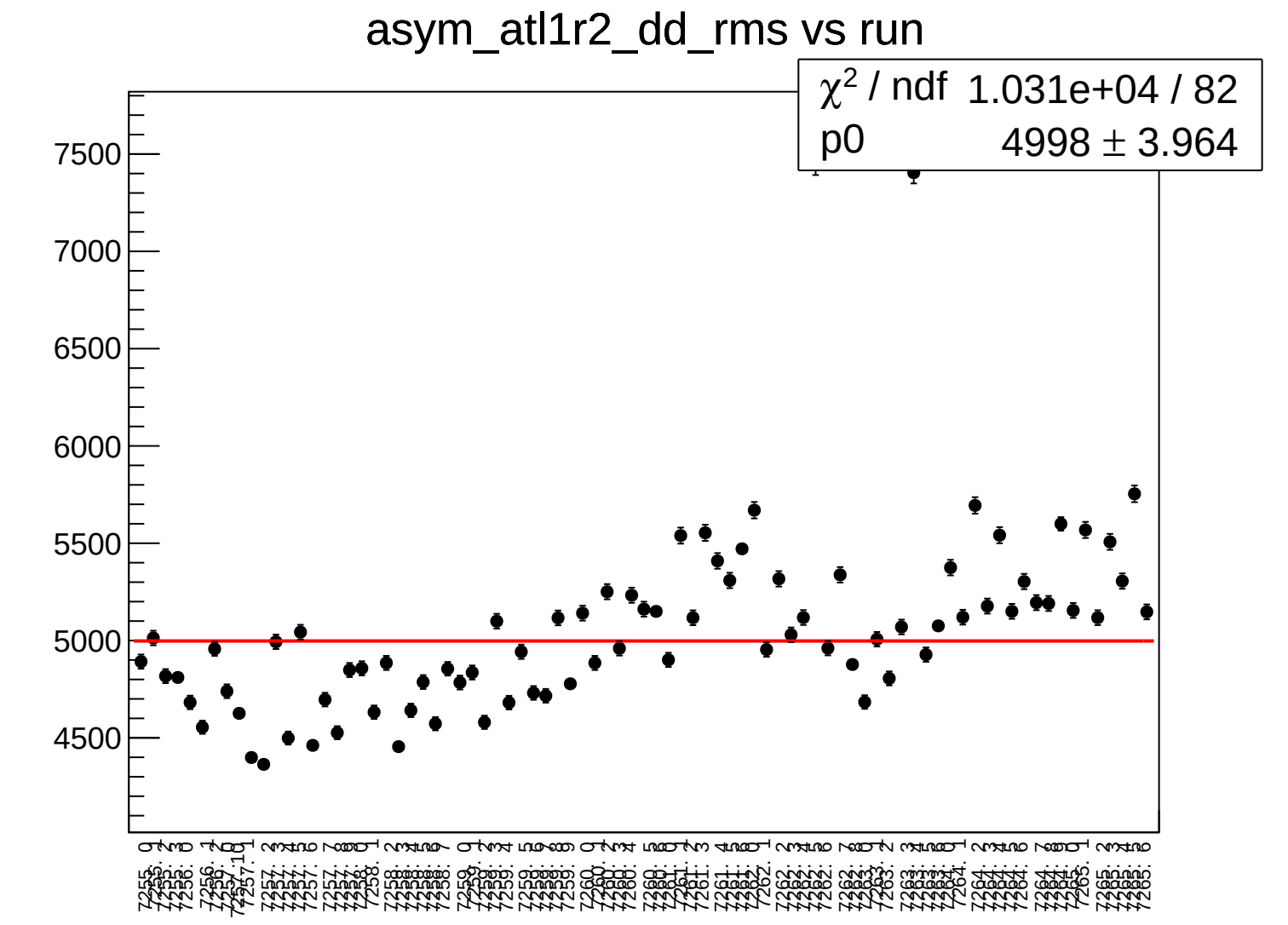

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 76.82 / 82
p0 −4681 ± 5228
pull
Entries 83
Mean −218.8
Std Dev 265.3

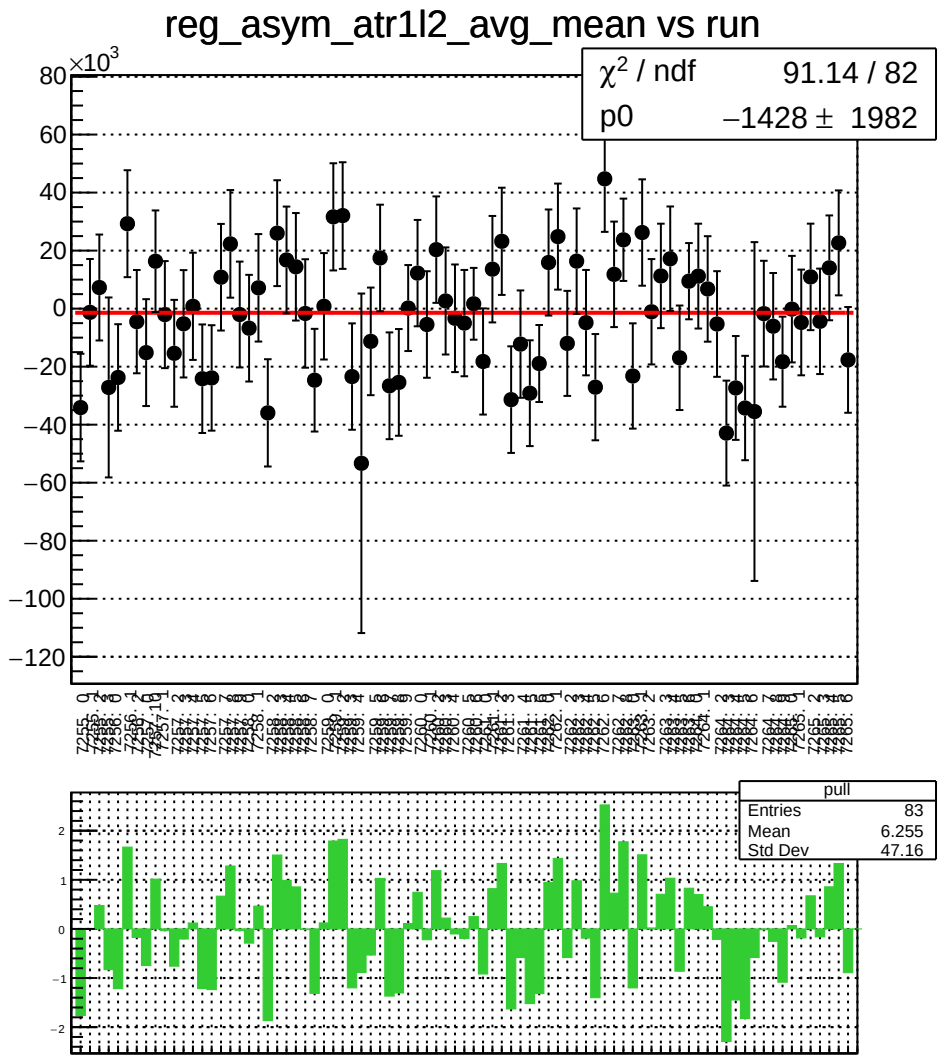

pull1D
Entries 83
Mean −0.01389
Std Dev 0.962

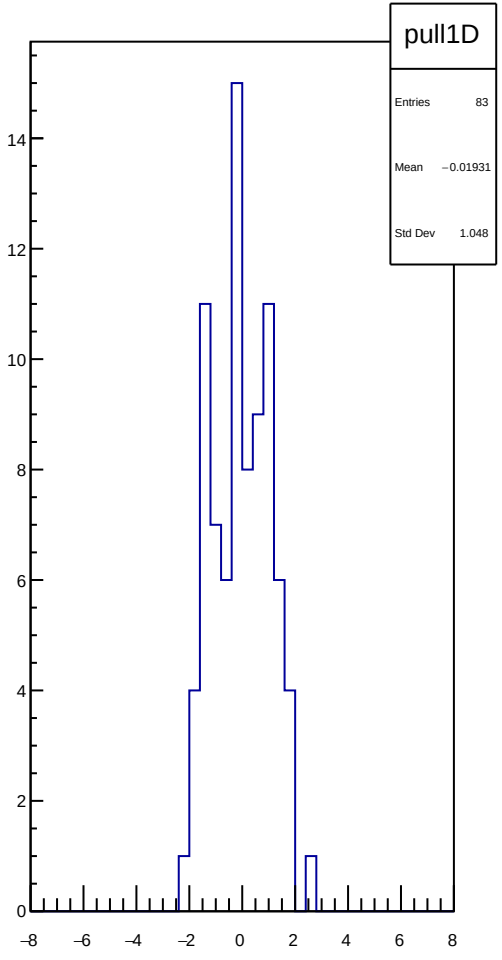

asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 8361 / 82
p0 4663 ± 3.697
5600
5400
5200
5000
4800
4600
4400
4200
4000

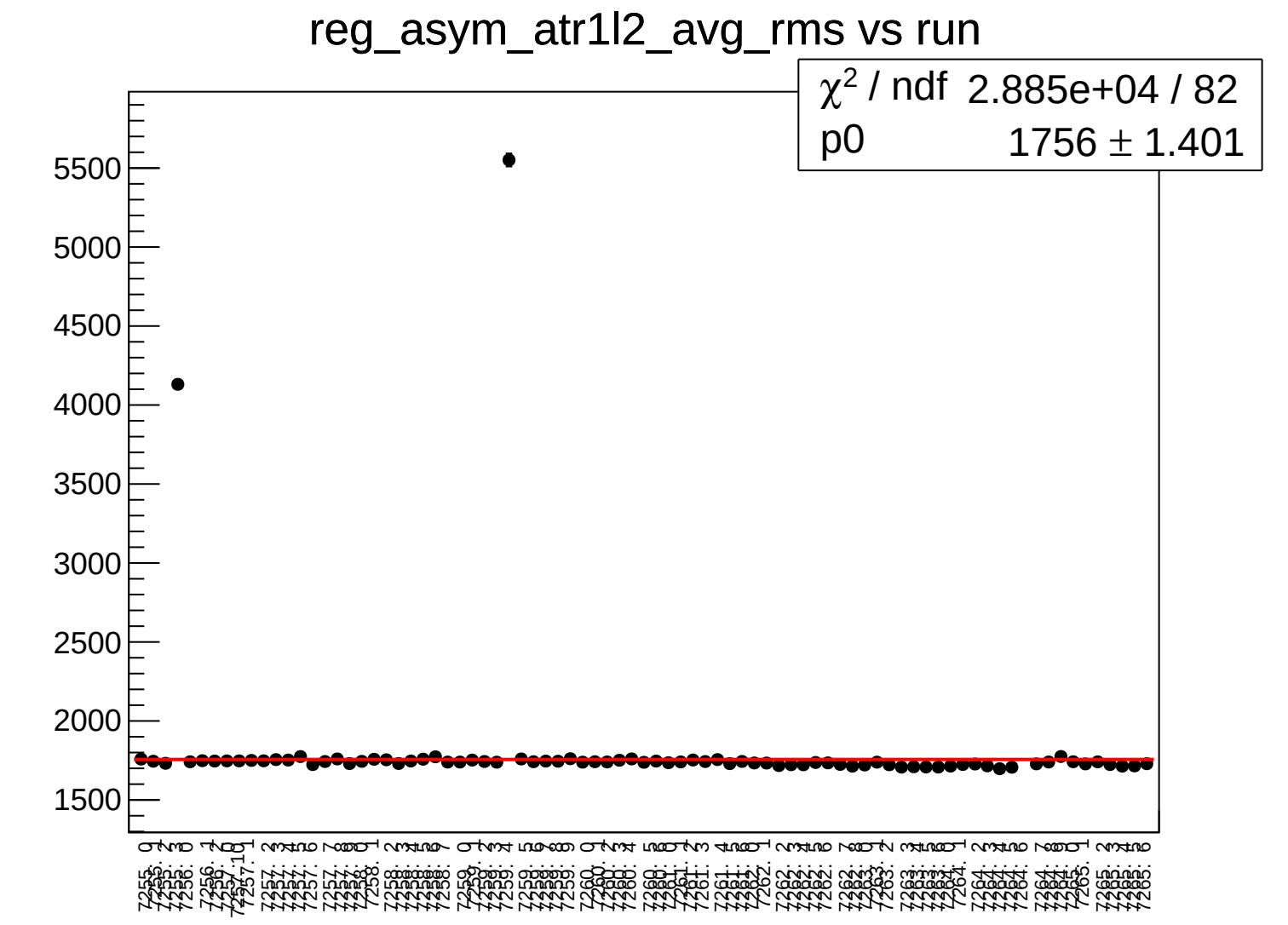

asym_atl1r2_dd_mean vs run
χ^2 / ndf 74.56 / 82
p0 6270 ± 5606
×10^3
pull
Entries 83
Mean −822.3
Std Dev 865

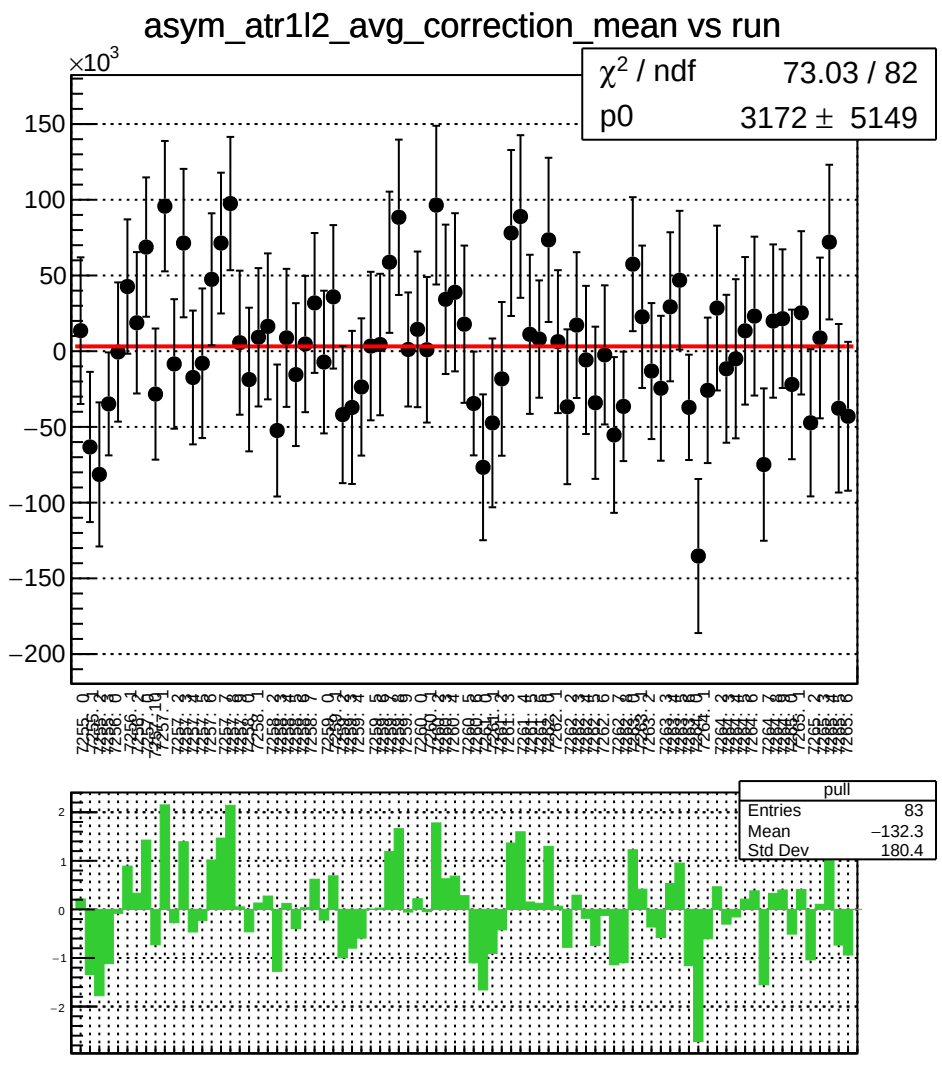

pull1D
Entries 83
Mean 0.004335
Std Dev 0.9478

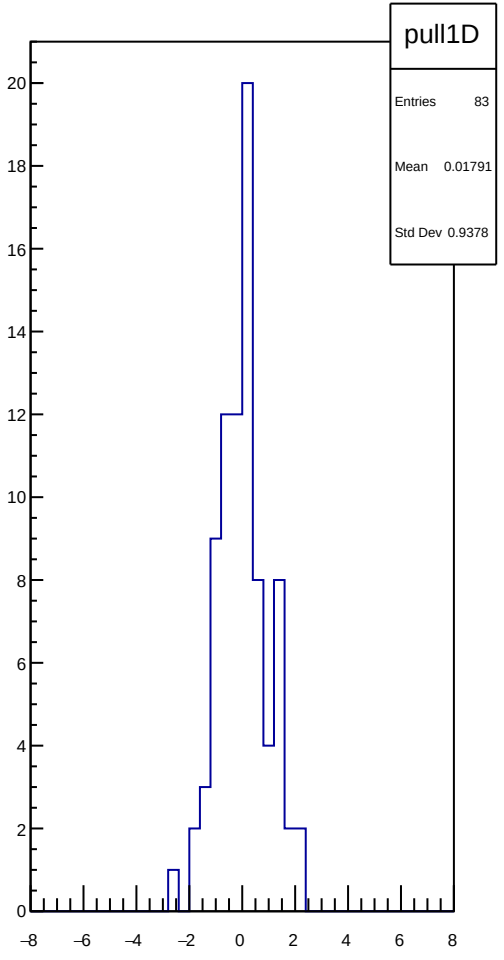

asym_atl1r2_dd_rms vs run
χ² / ndf 1.031e+04 / 82
p0 4998 ± 3.964
7500
7000
6500
6000
5500
5000
4500

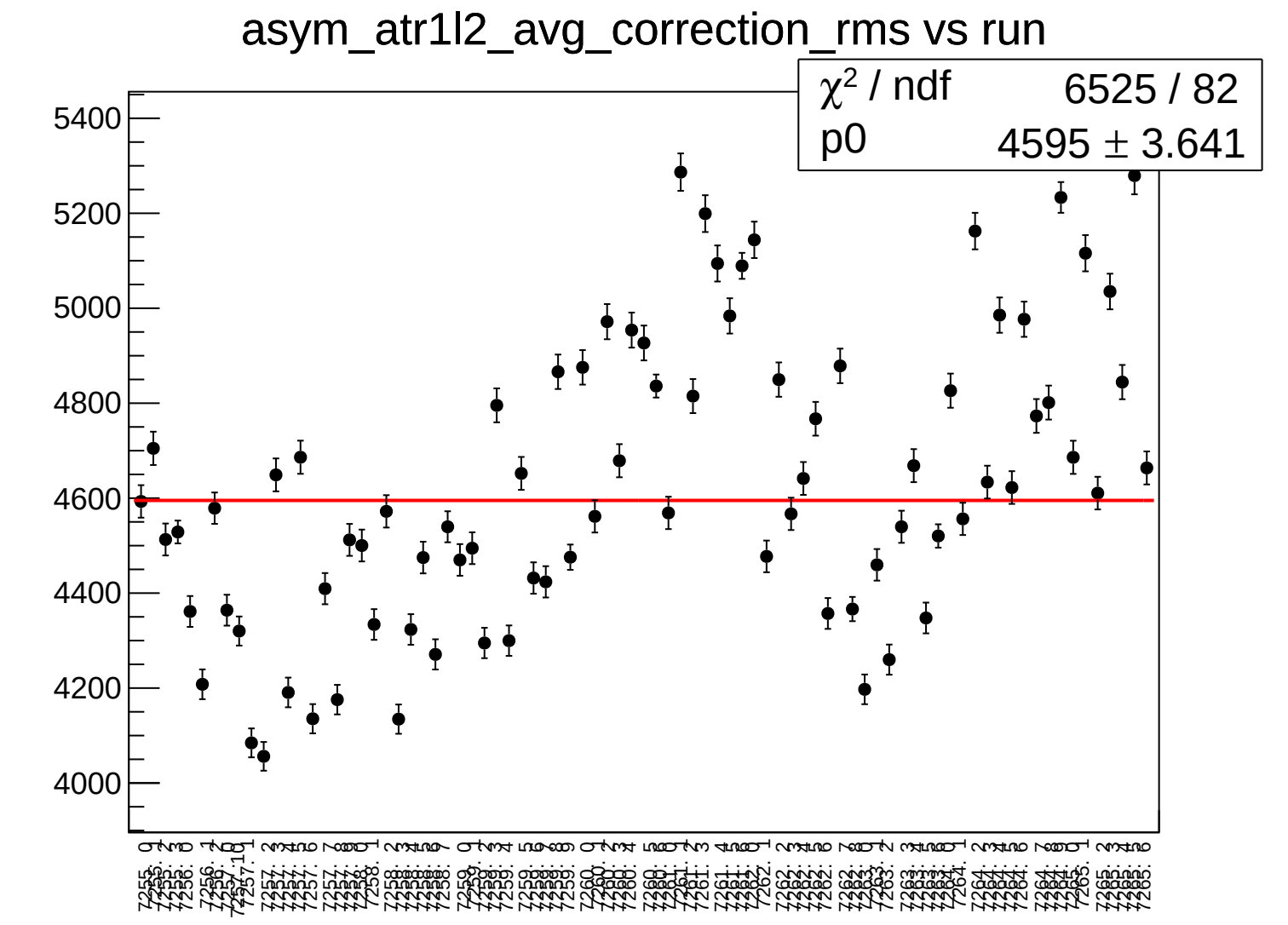

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 91.14 / 82
p0 −1428 ± 1982
×10³
pull
Entries 83
Mean 6.255
Std Dev 47.16

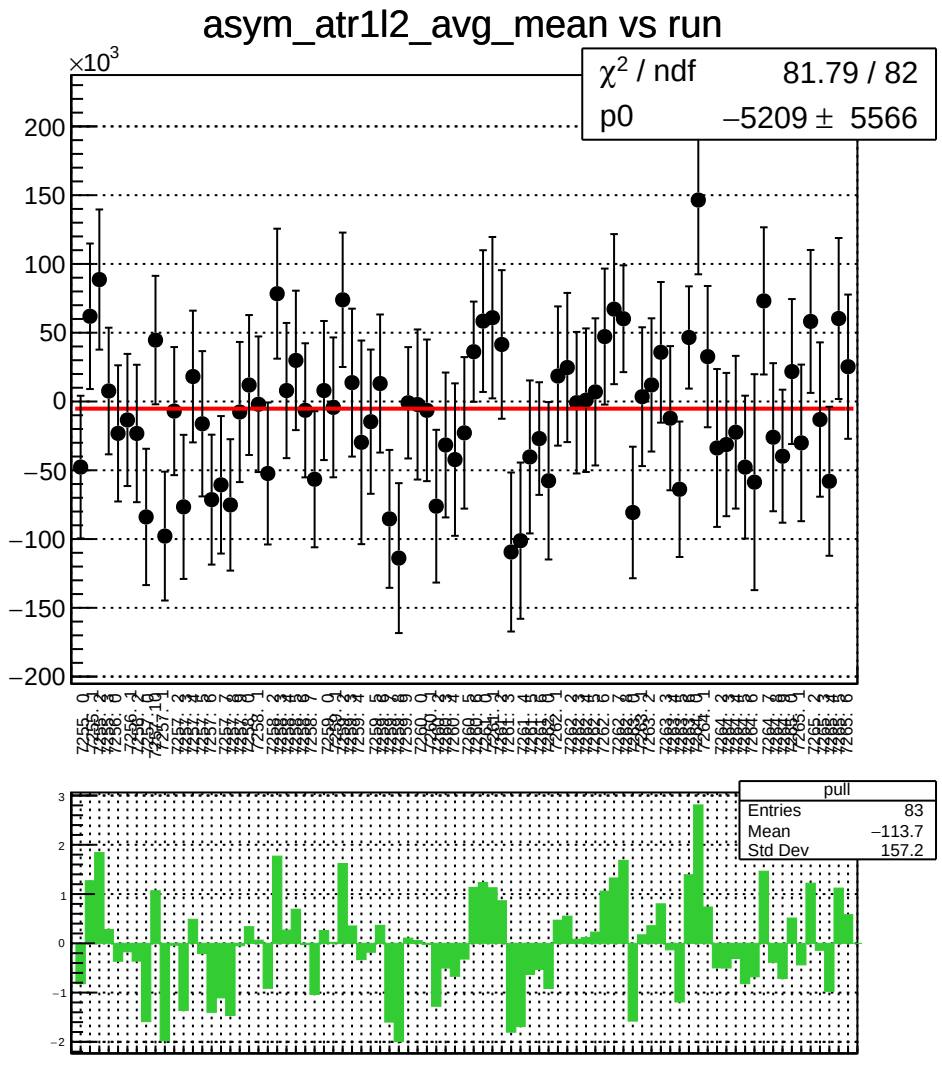

pull1D
Entries 83
Mean −0.01931
Std Dev 1.048

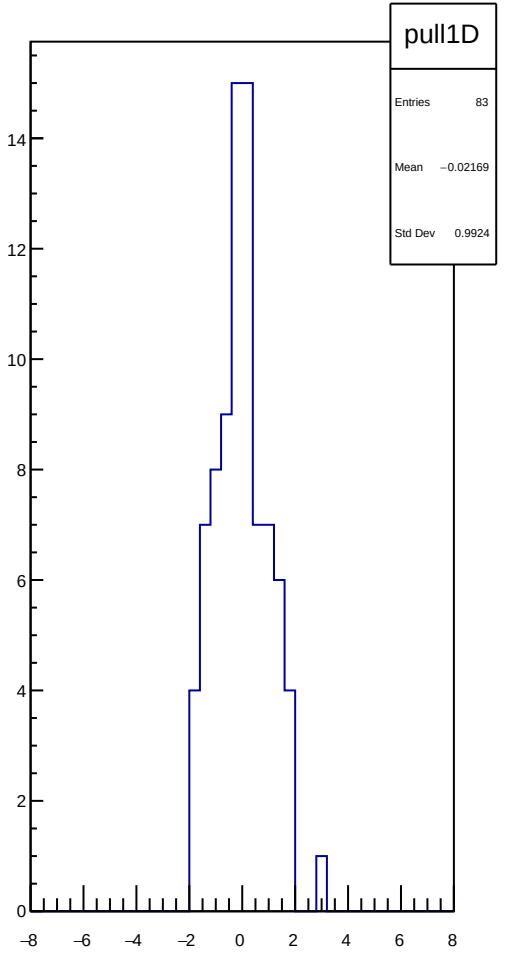

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 2.885e+04 / 82
p0 1756 ± 1.401
5500
5000
4500
4000
3500
3000
2500
2000
1500

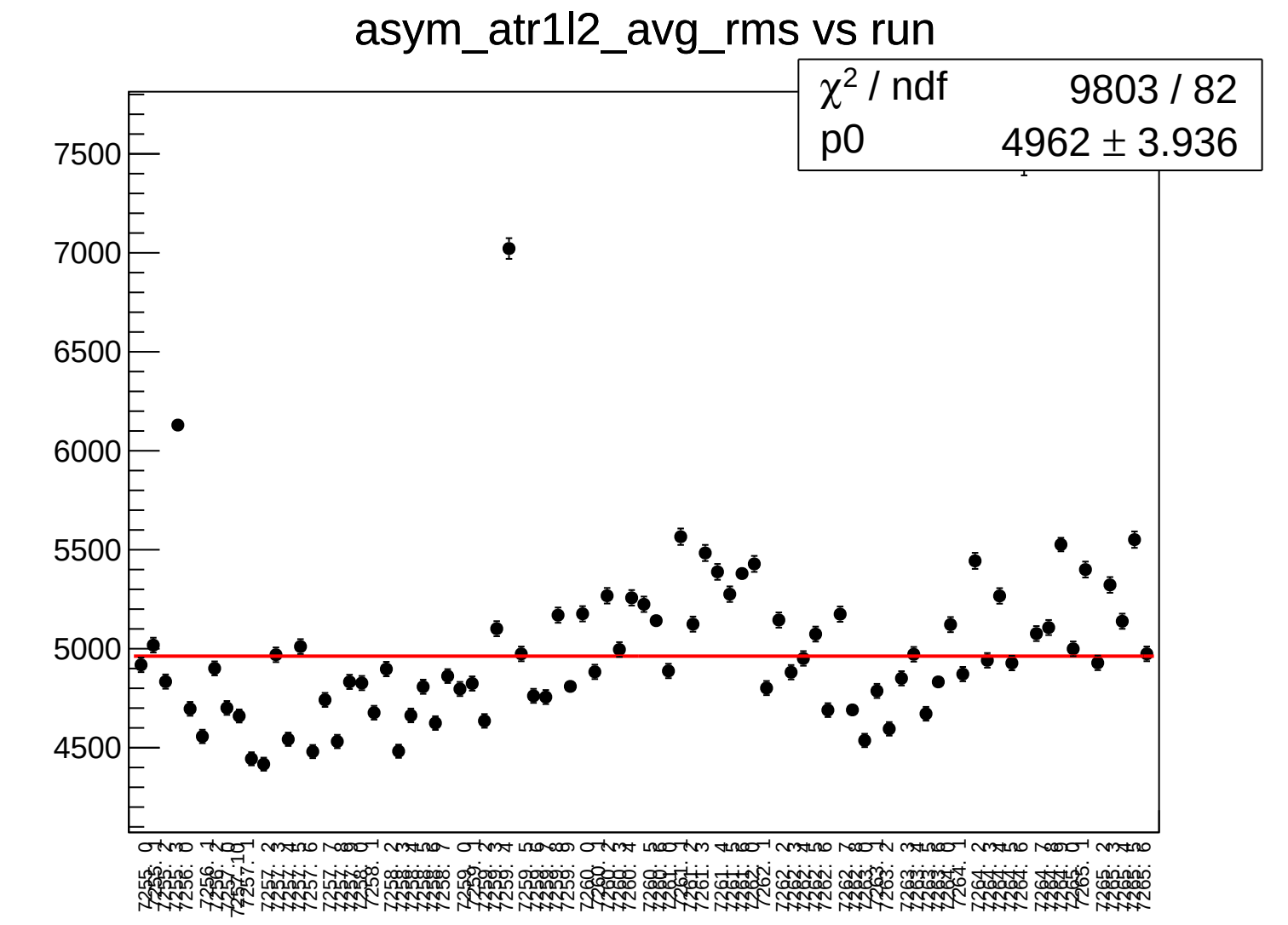

asym_atr1l2_avg_correction_mean vs run
×10^3
χ^2 / ndf 73.03 / 82
p0 3172 ± 5149
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −132.3
Std Dev 180.4
2
1
0
−1
−2

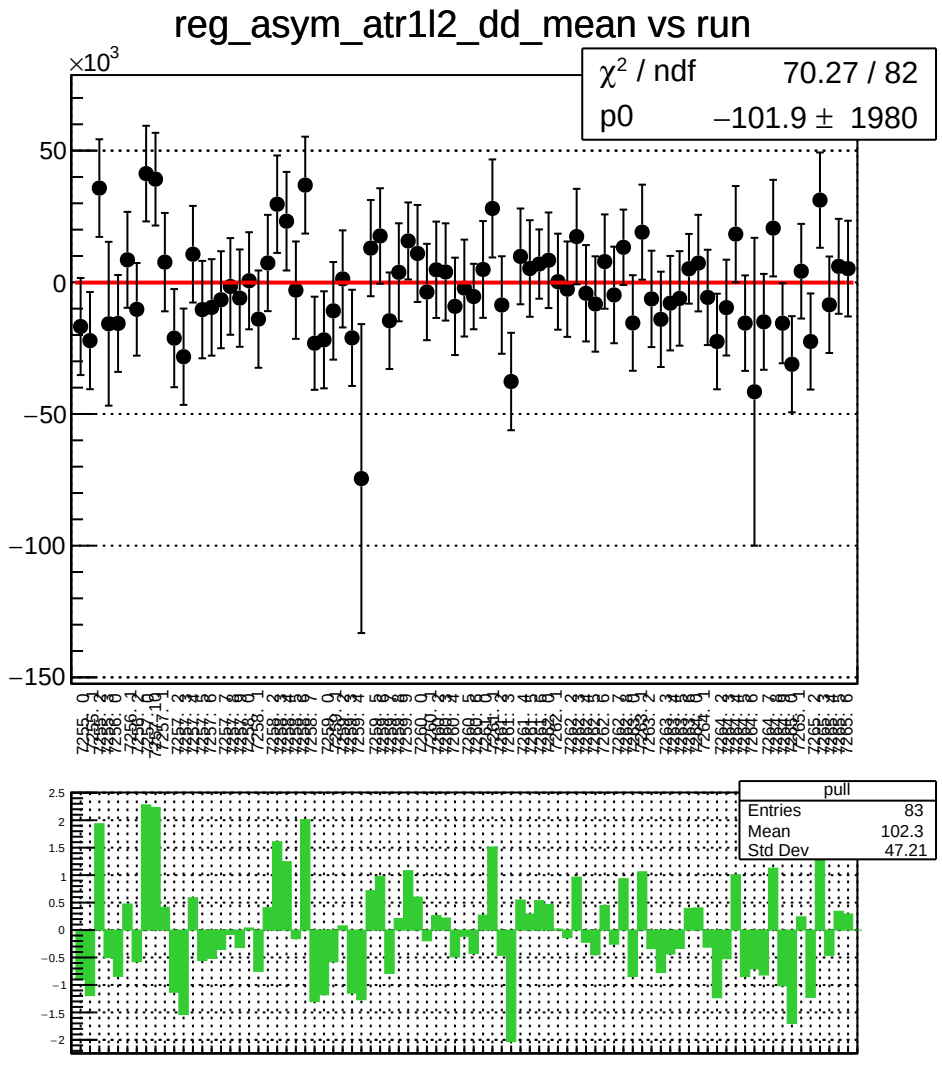

pull1D
Entries 83
Mean 0.01791
Std Dev 0.9378
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

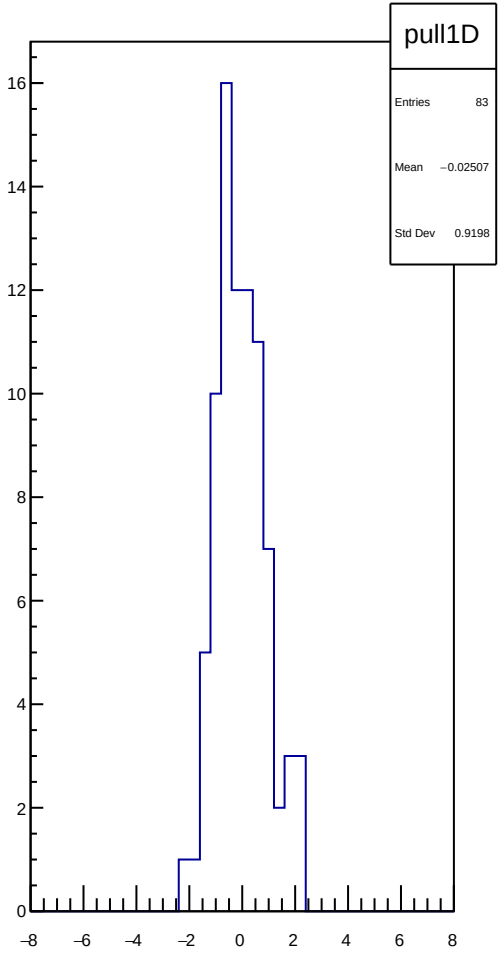

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 6525 / 82
p0 4595 ± 3.641
5400
5200
5000
4800
4600
4400
4200
4000

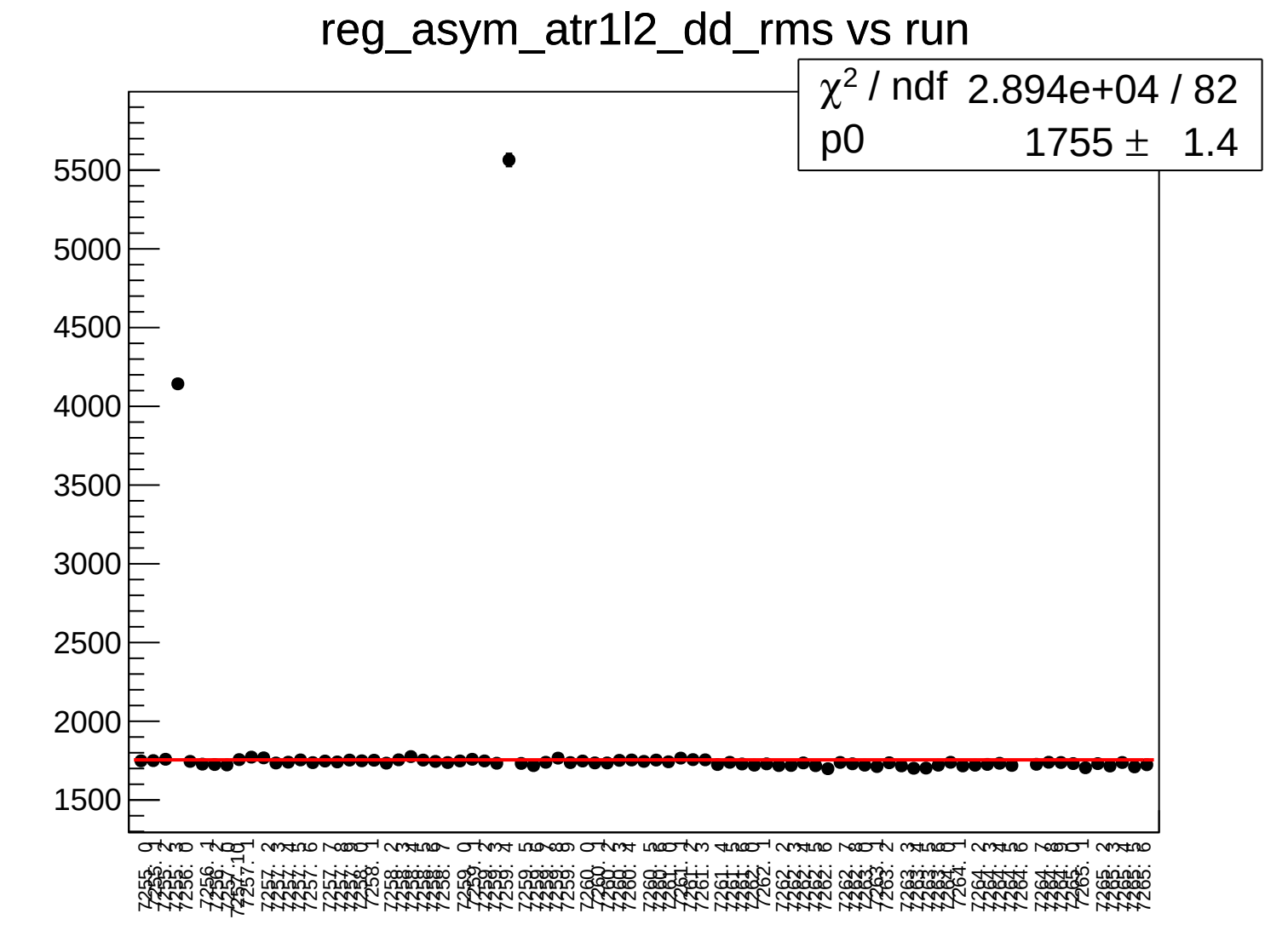

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 81.79 / 82
p0 −5209 ± 5566
pull
Entries 83
Mean −113.7
Std Dev 157.2

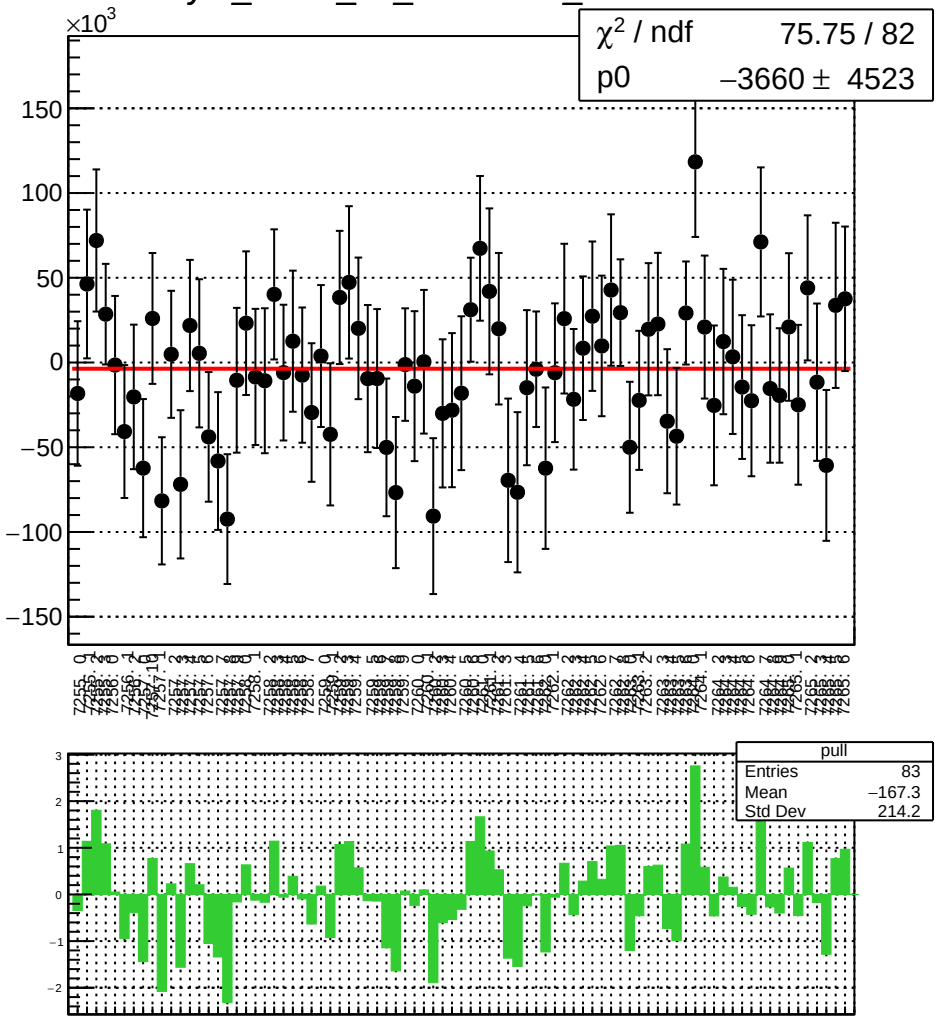

pull1D
Entries 83
Mean −0.02169
Std Dev 0.9924

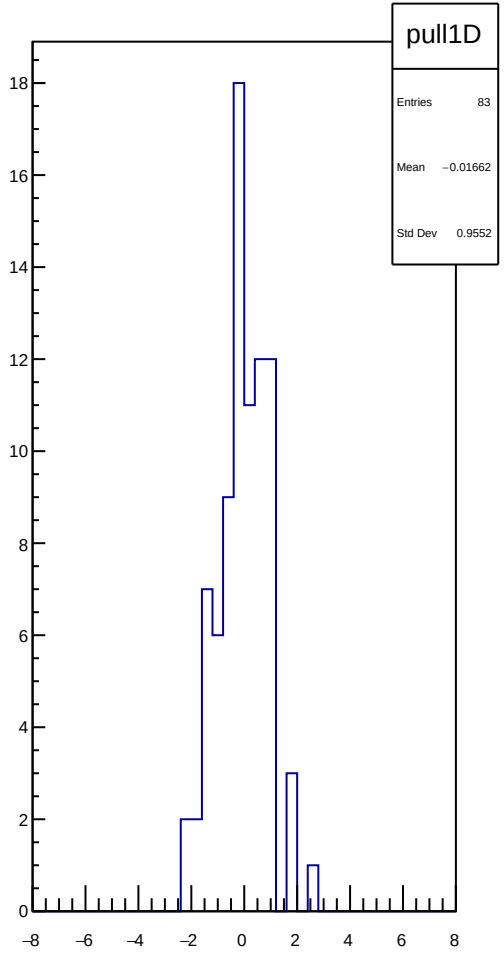

asym_atr1l2_avg_rms vs run
χ² / ndf 9803 / 82
p0 4962 ± 3.936
7500
7000
6500
6000
5500
5000
4500

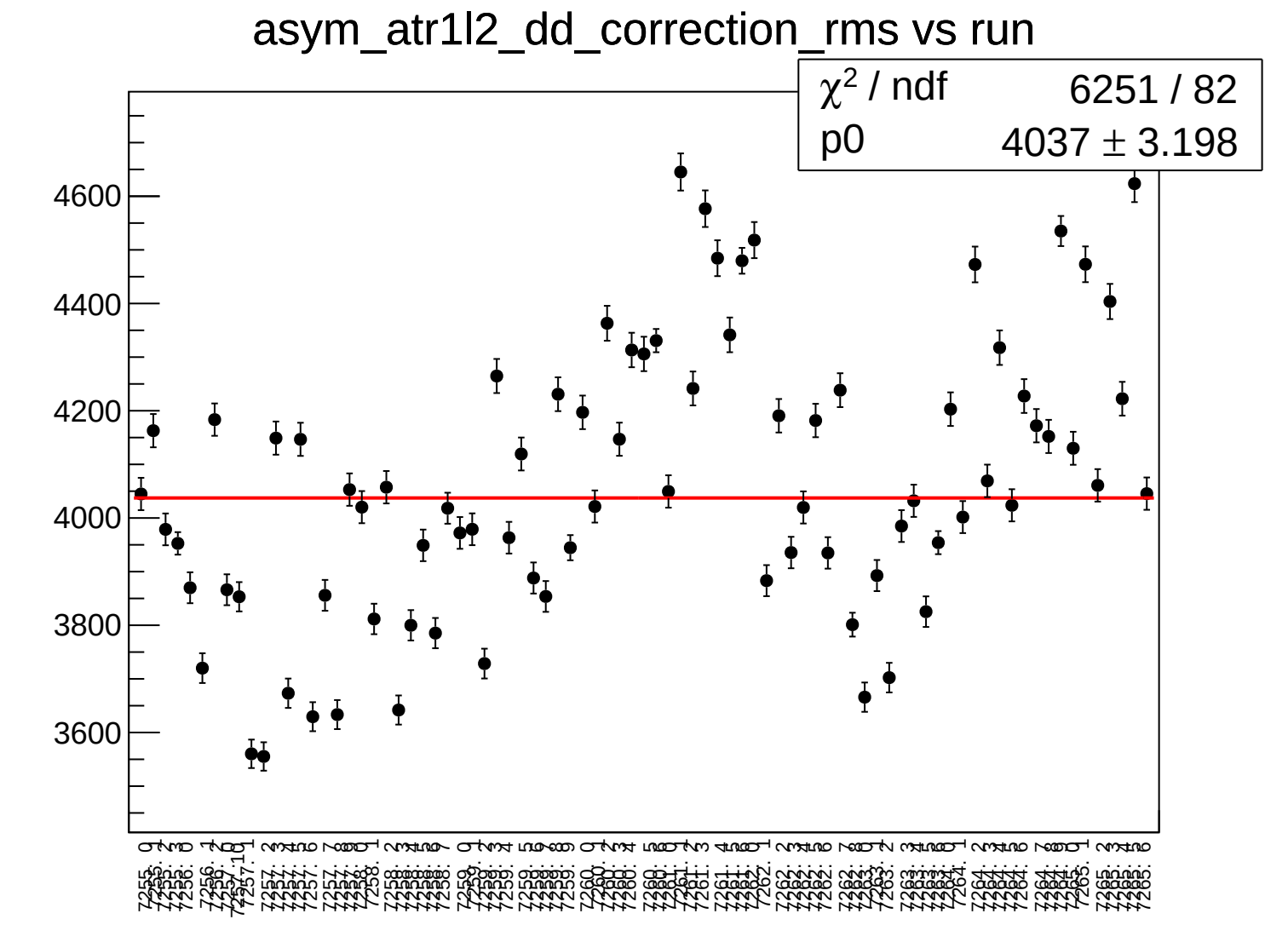

reg_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 70.27 / 82
p0 −101.9 ± 1980
pull
Entries 83
Mean 102.3
Std Dev 47.21

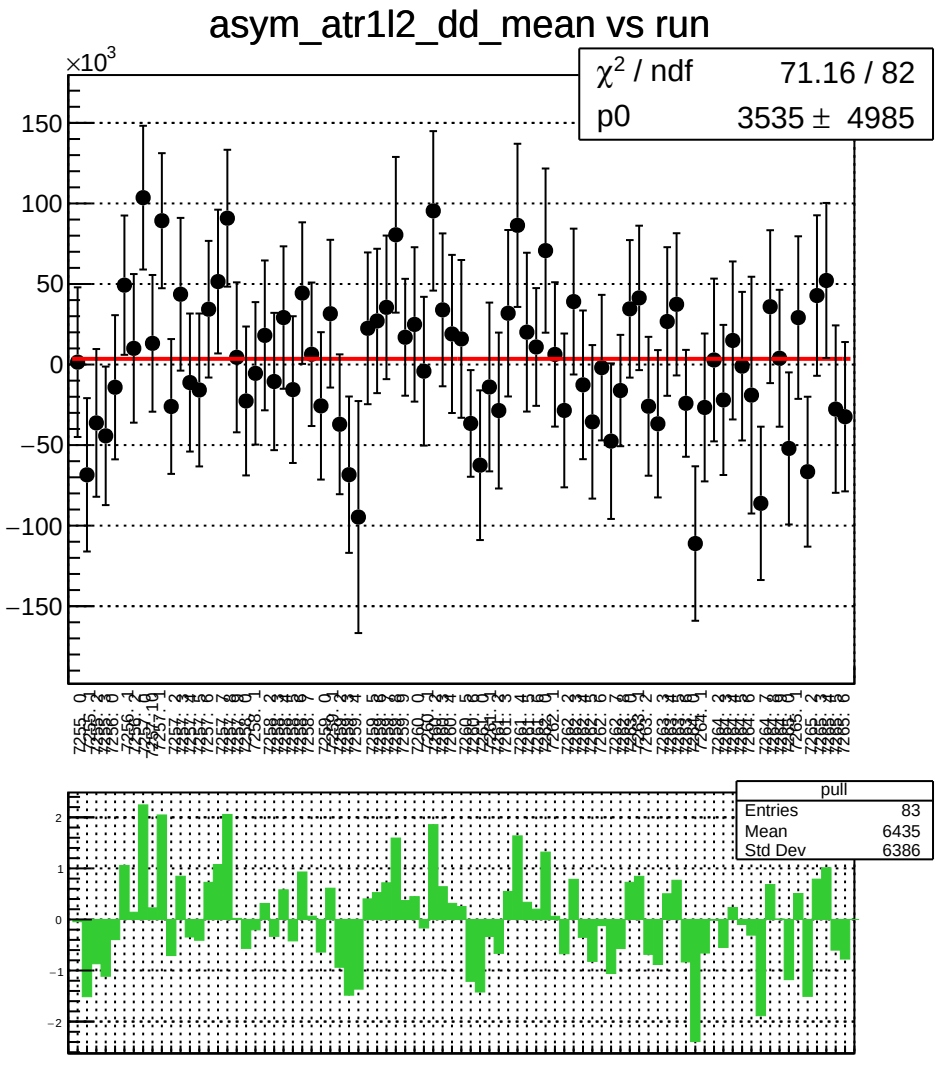

pull1D
Entries 83
Mean −0.02507
Std Dev 0.9198

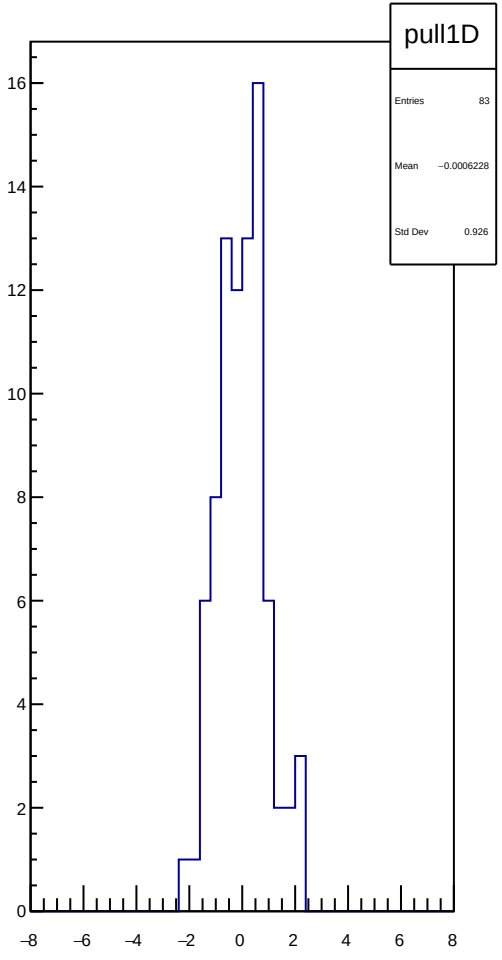

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 2.894e+04 / 82
p0 1755 ± 1.4
5500
5000
4500
4000
3500
3000
2500
2000
1500

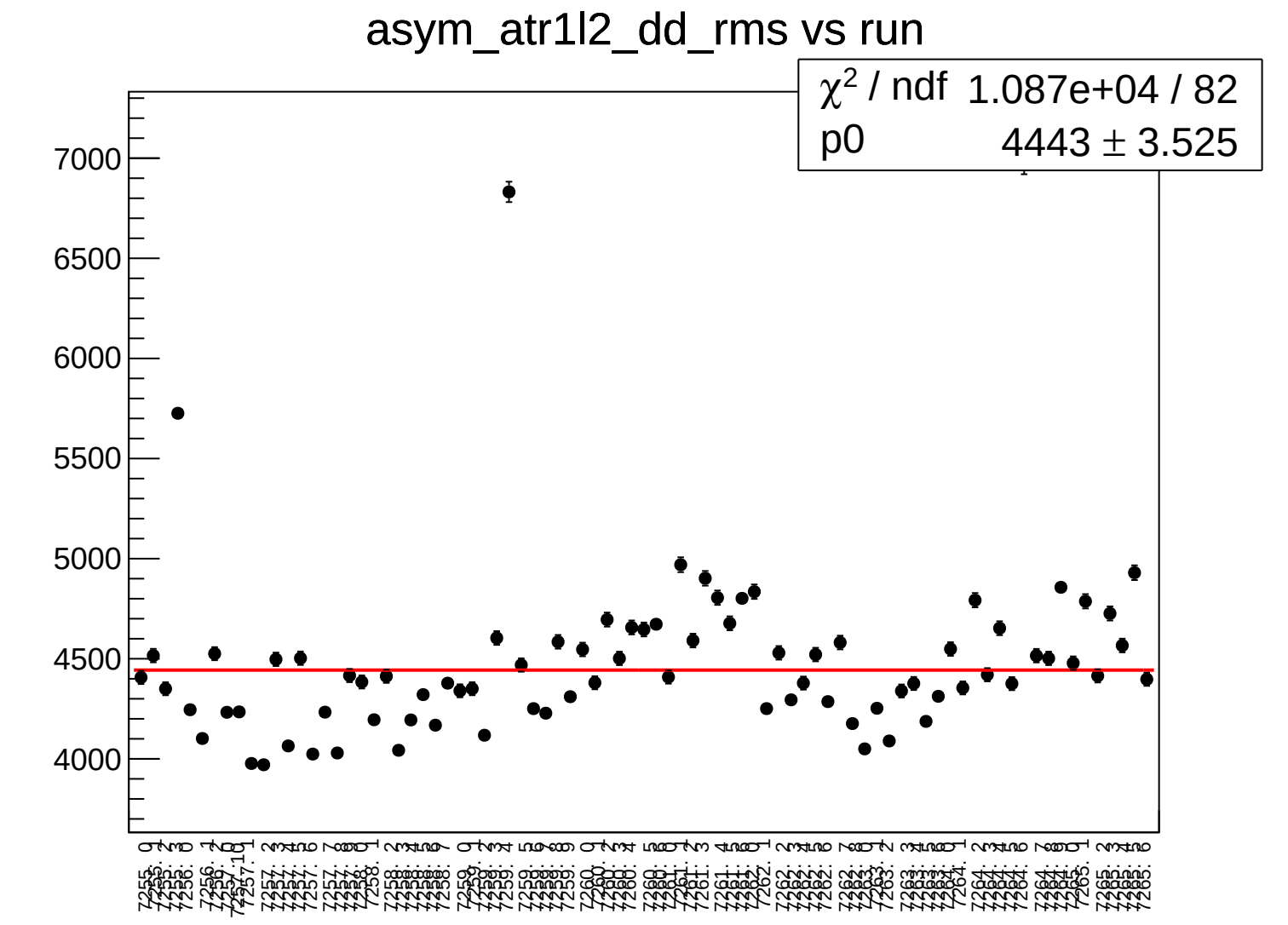

asym_atr1l2_dd_correction_mean vs run
×10^3
χ² / ndf 75.75 / 82
p0 −3660 ± 4523
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −167.3
Std Dev 214.2
3
2
1
0
−1
−2

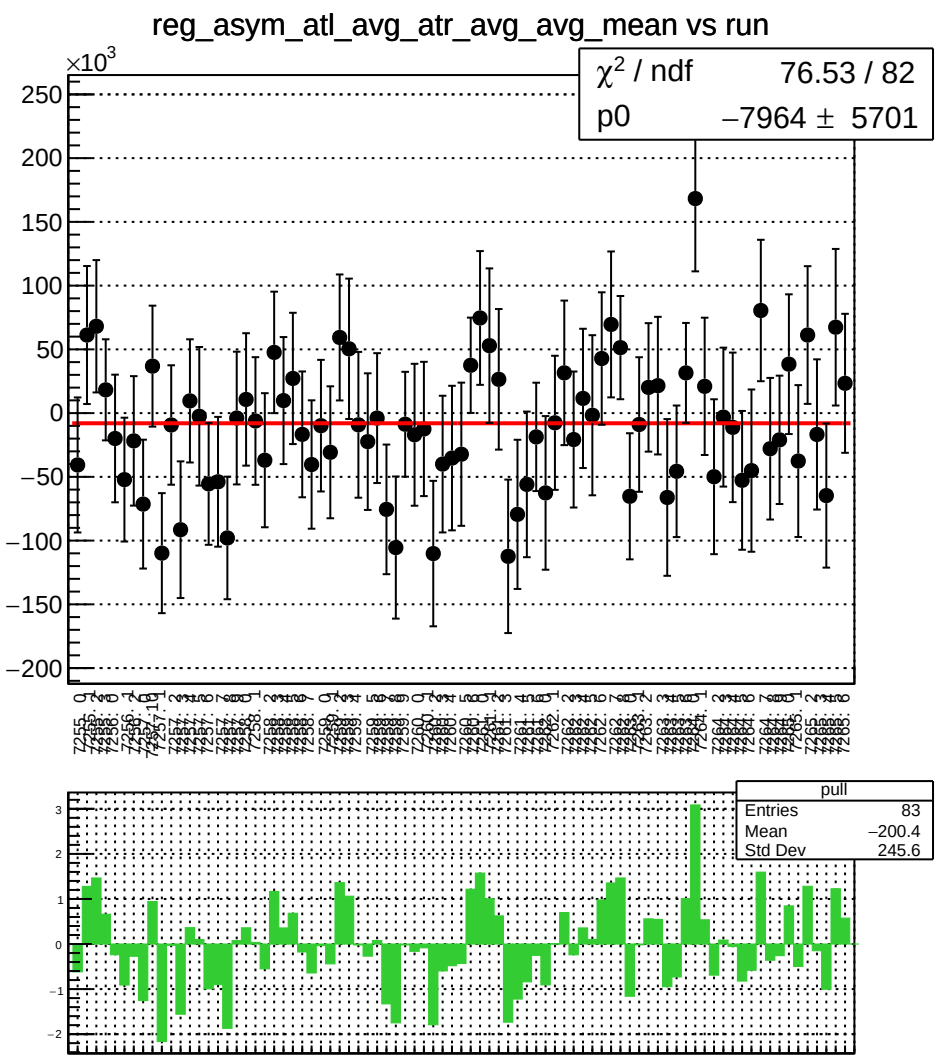

pull1D
Entries 83
Mean −0.01662
Std Dev 0.9552
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

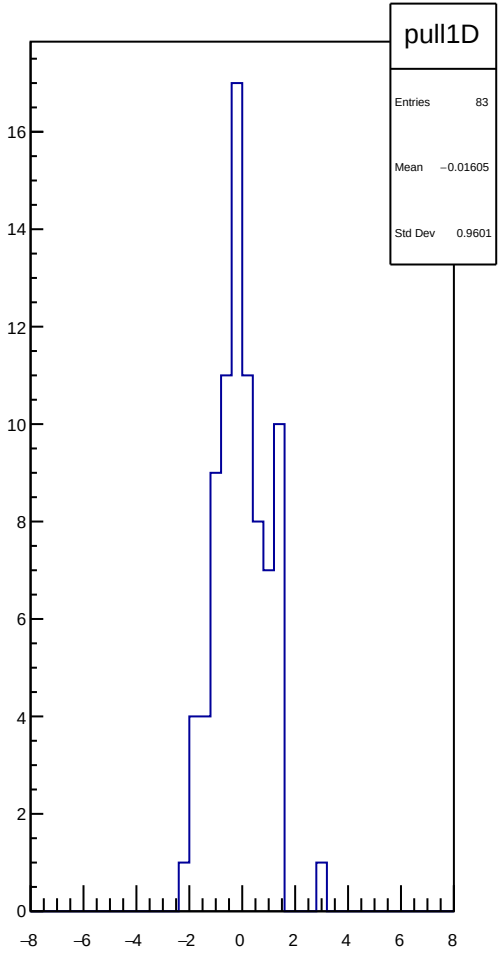

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 6251 / 82
p0 4037 ± 3.198
4600
4400
4200
4000
3800
3600

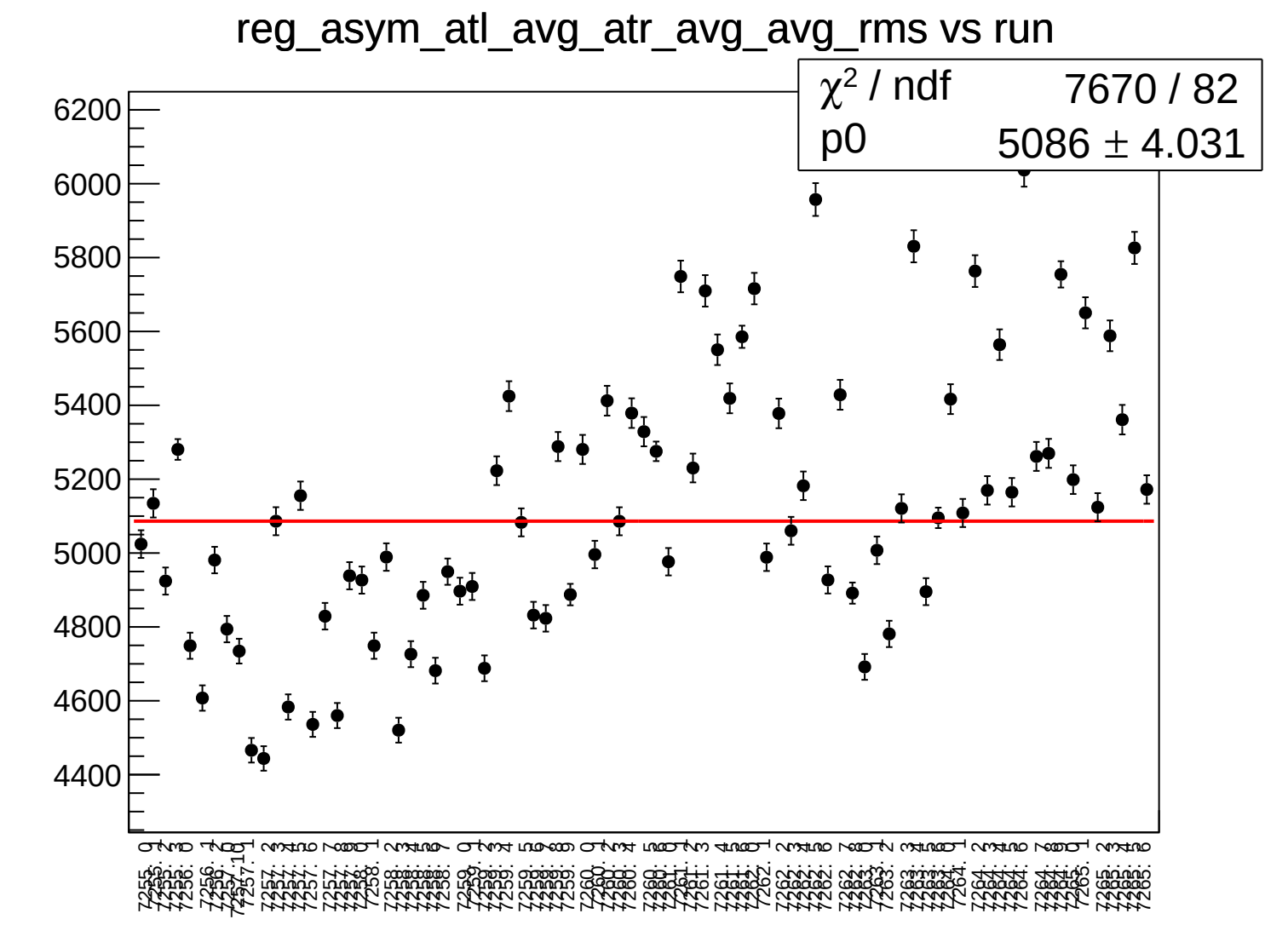

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 71.16 / 82
p0 3535 ± 4985
pull
Entries 83
Mean 6435
Std Dev 6386

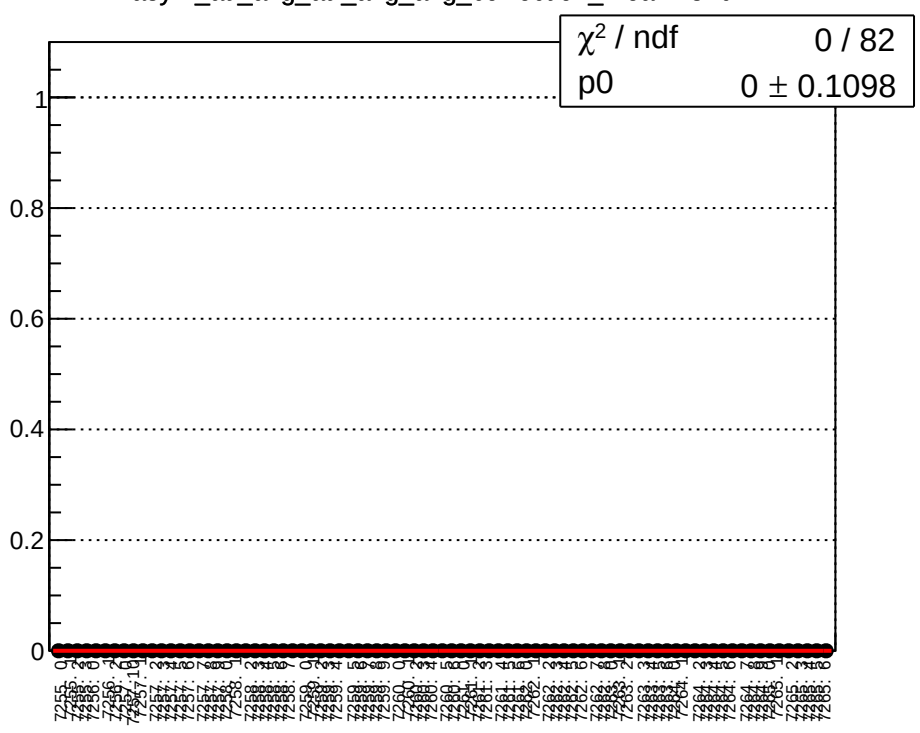

pull1D
Entries 83
Mean −0.0006228
Std Dev 0.926

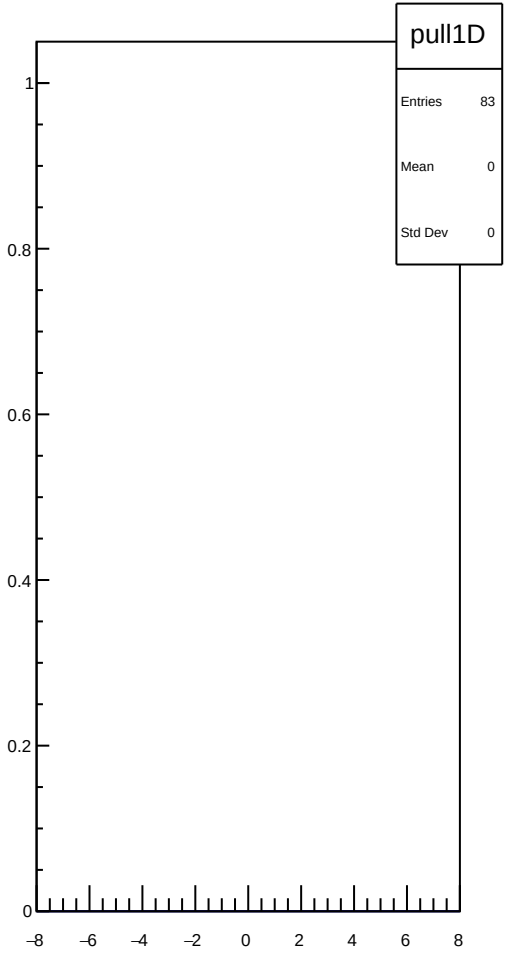

asym_atr1l2_dd_rms vs run
χ² / ndf 1.087e+04 / 82
p0 4443 ± 3.525
7000
6500
6000
5500
5000
4500
4000

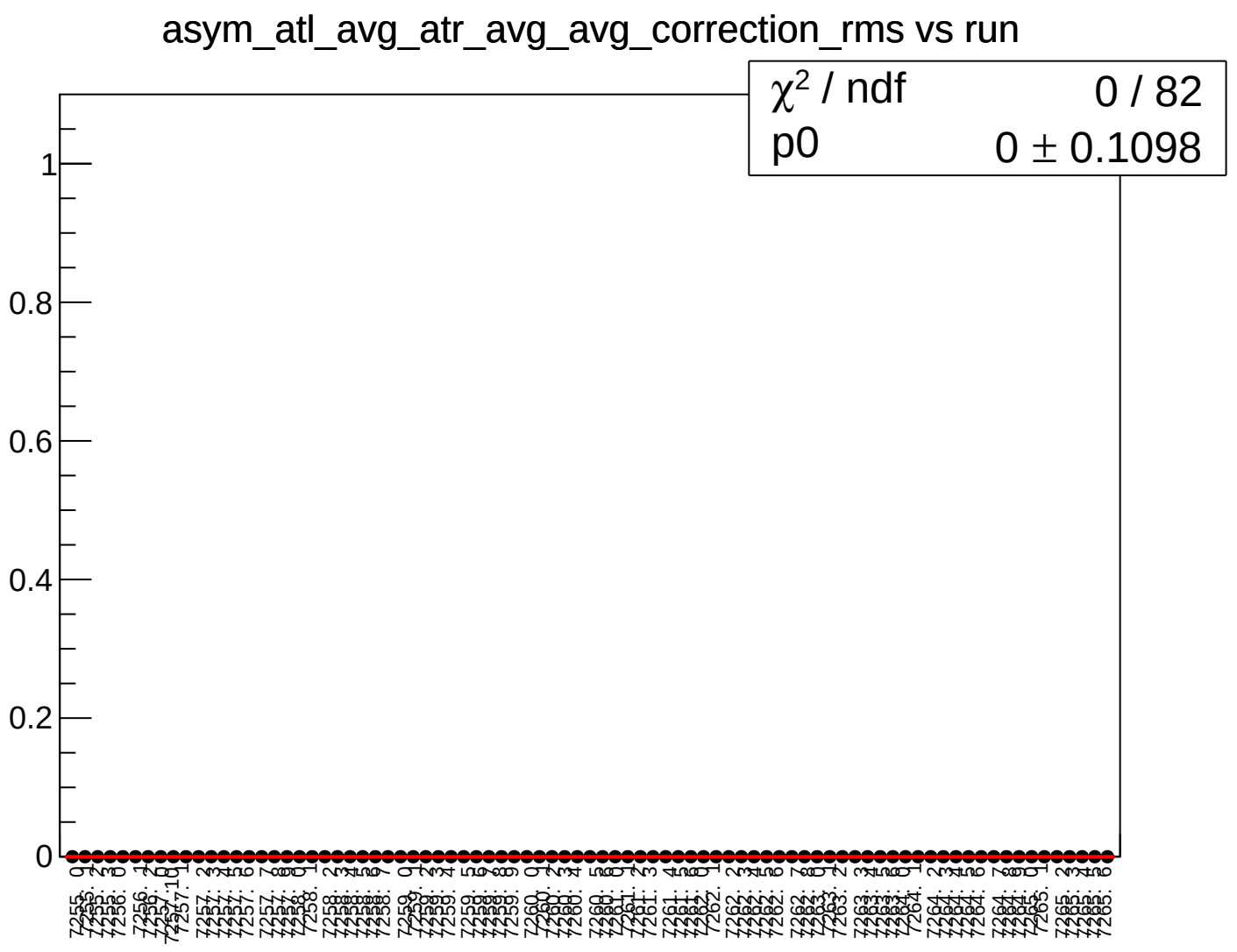

reg_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 76.53 / 82
p0 −7964 ± 5701
pull
Entries 83
Mean −200.4
Std Dev 245.6

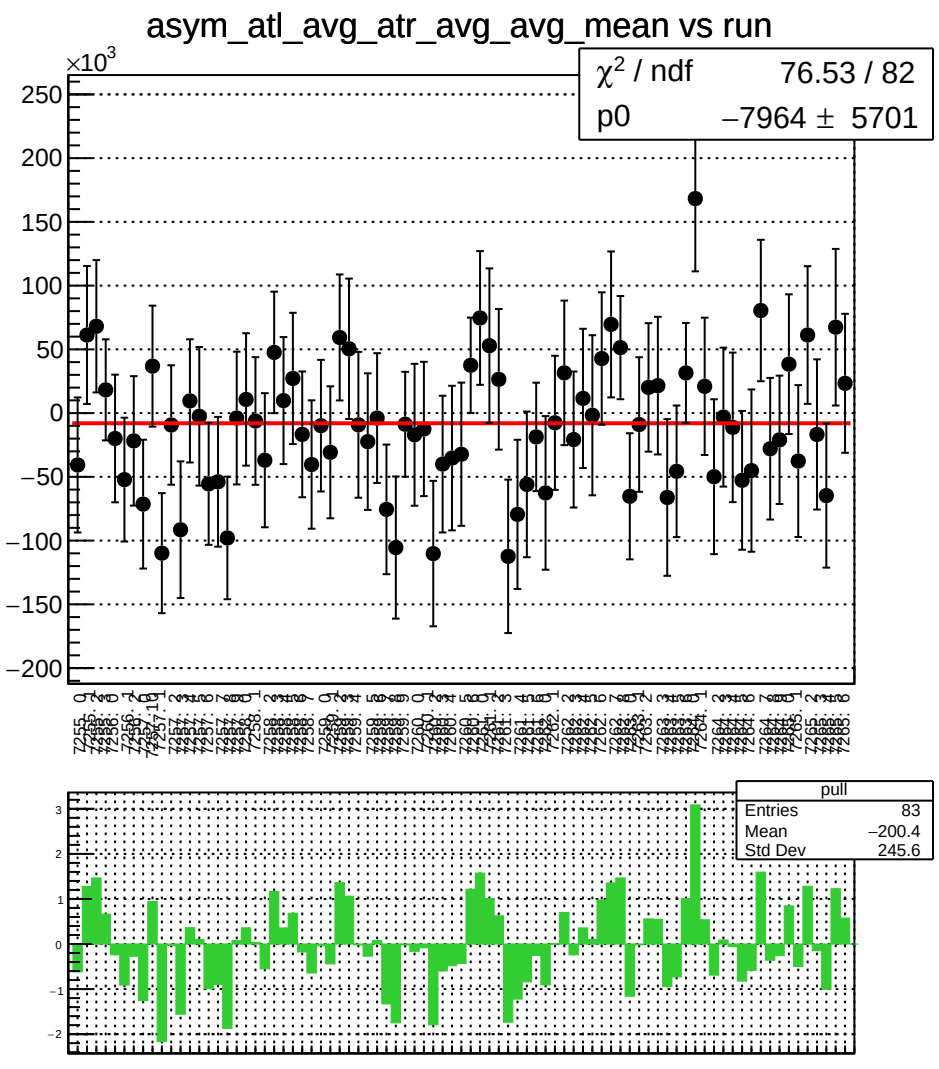

pull1D
Entries 83
Mean −0.01605
Std Dev 0.9601

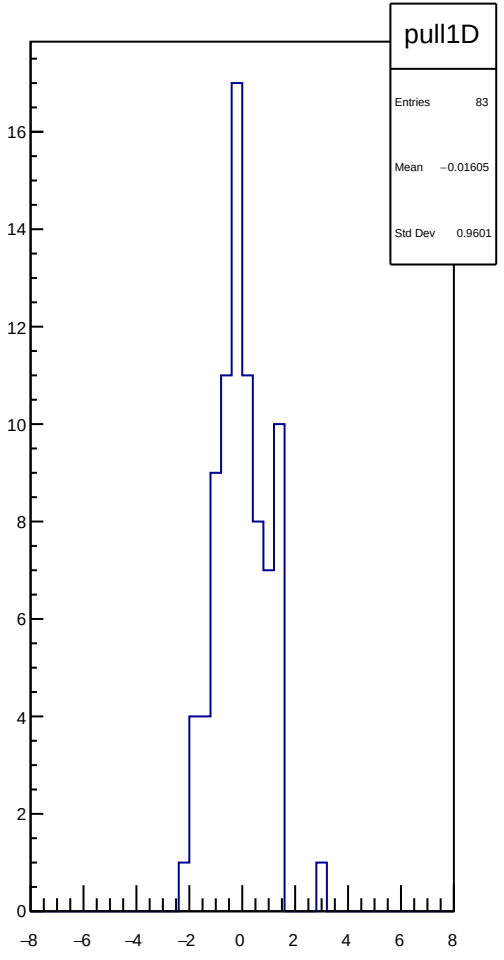

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7670 / 82
p0 5086 ± 4.031
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

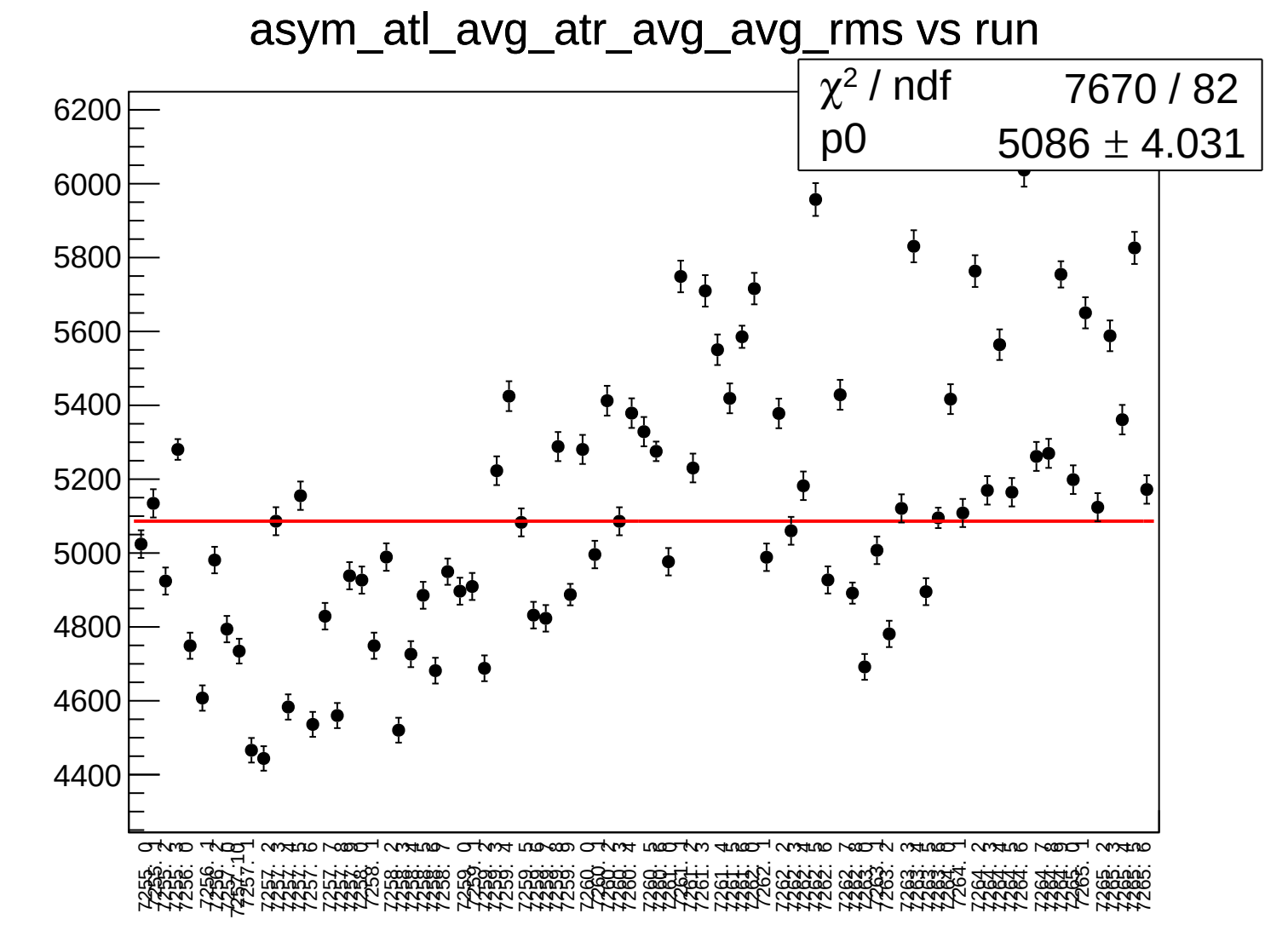

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

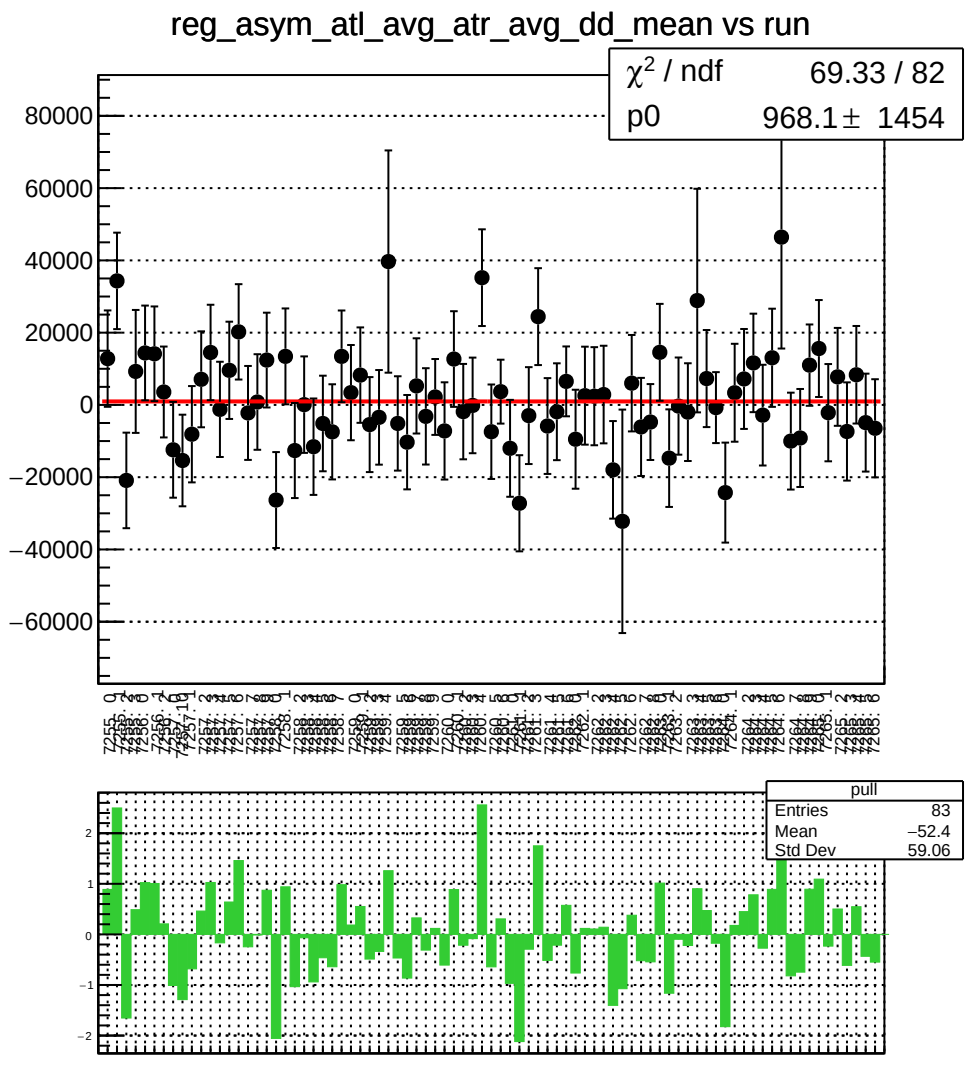

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

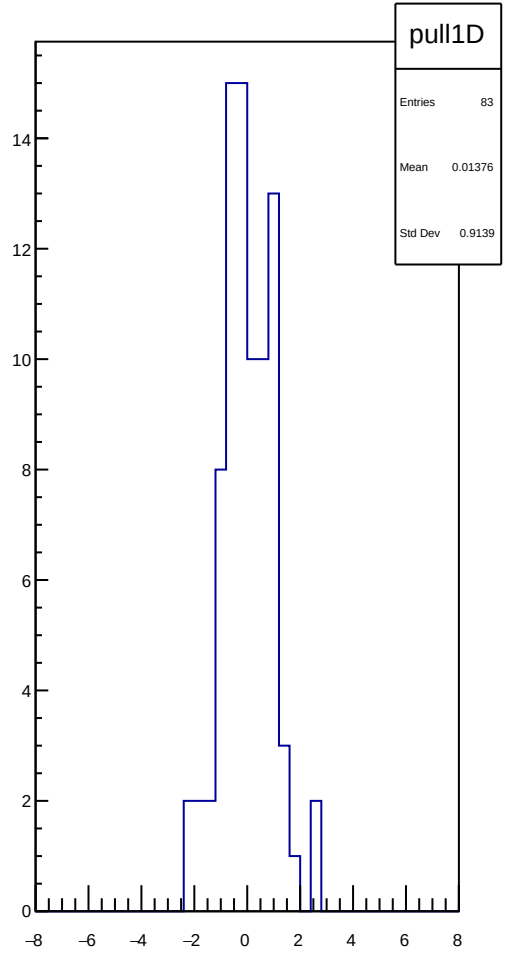

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

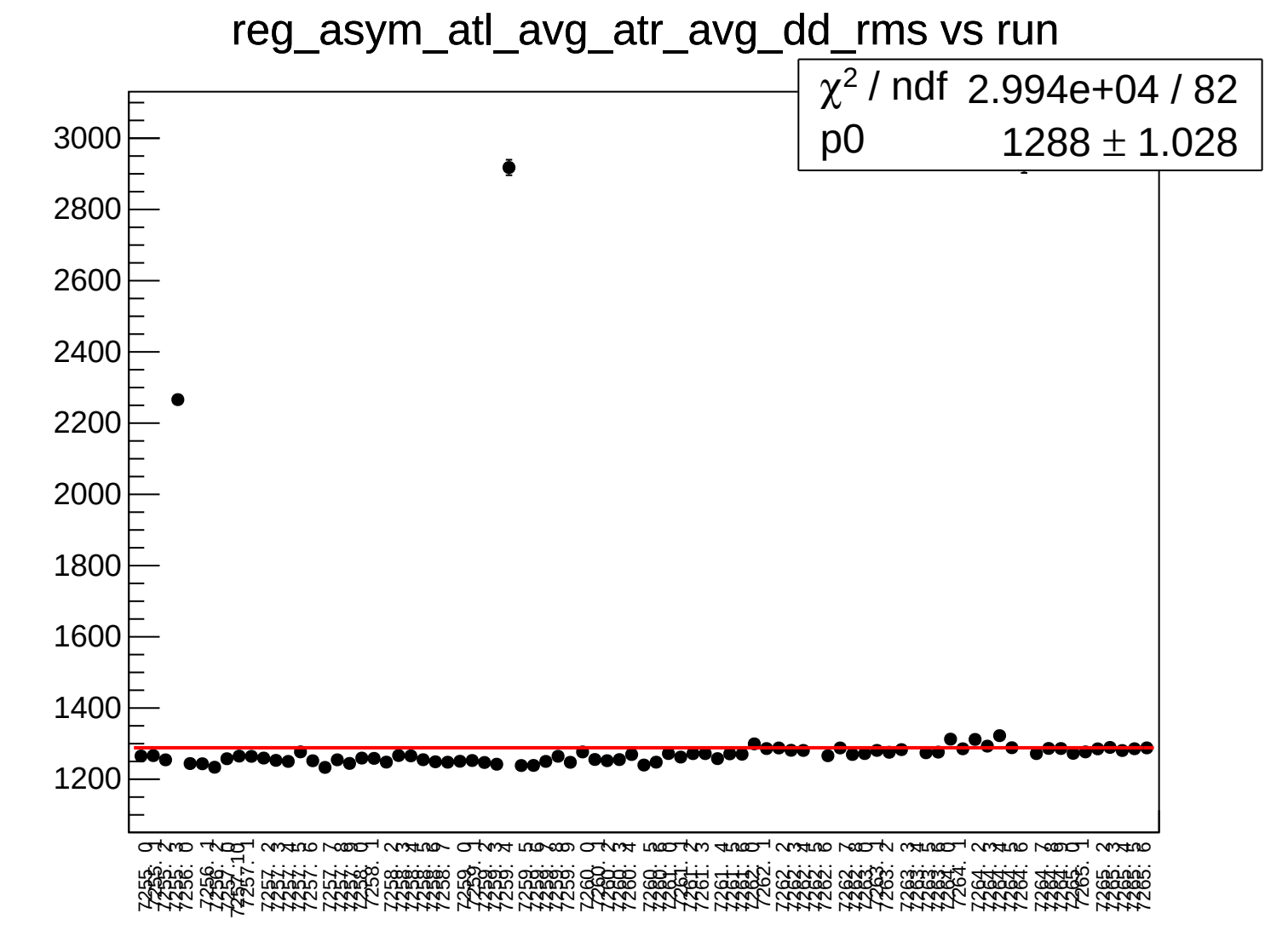

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 76.53 / 82
p0 −7964 ± 5701
pull
Entries 83
Mean −200.4
Std Dev 245.6

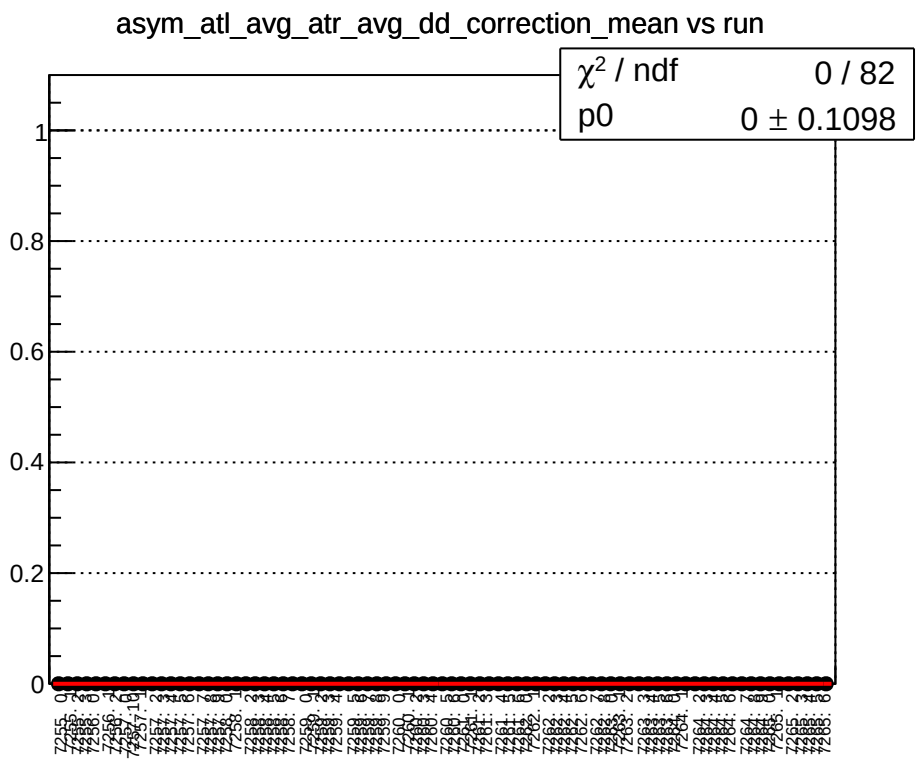

pull1D
Entries 83
Mean −0.01605
Std Dev 0.9601

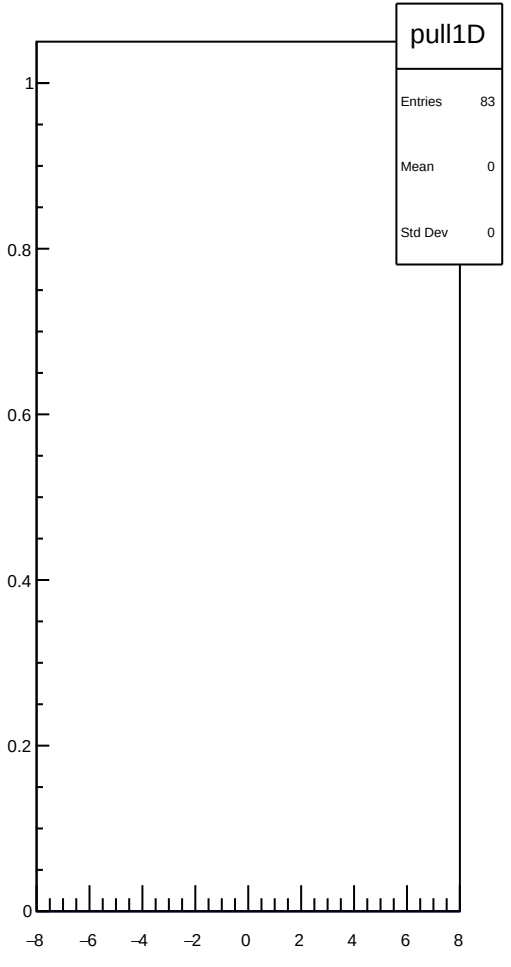

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7670 / 82
p0 5086 ± 4.031
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

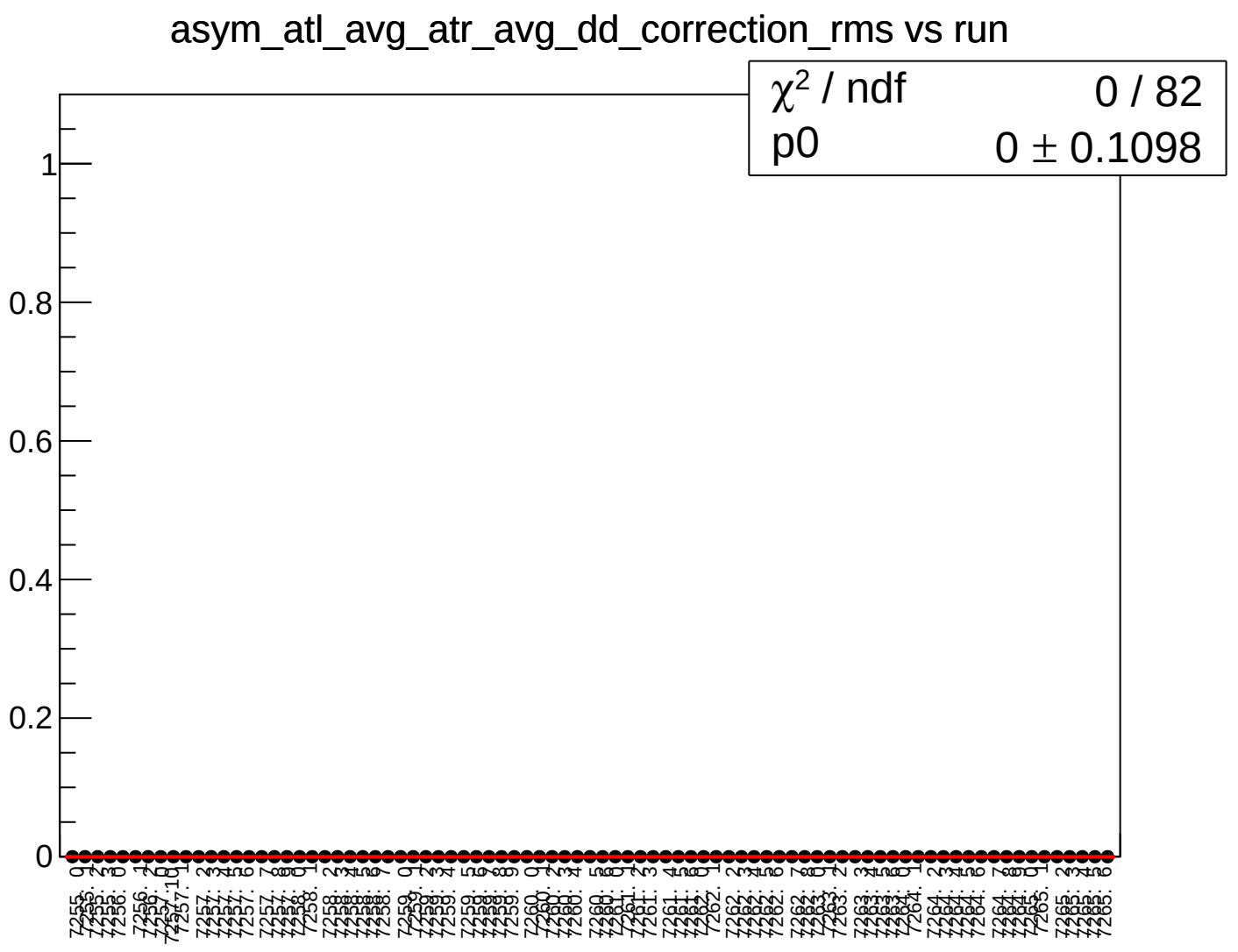

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 69.33 / 82
p0 968.1 ± 1454
pull
Entries 83
Mean −52.4
Std Dev 59.06

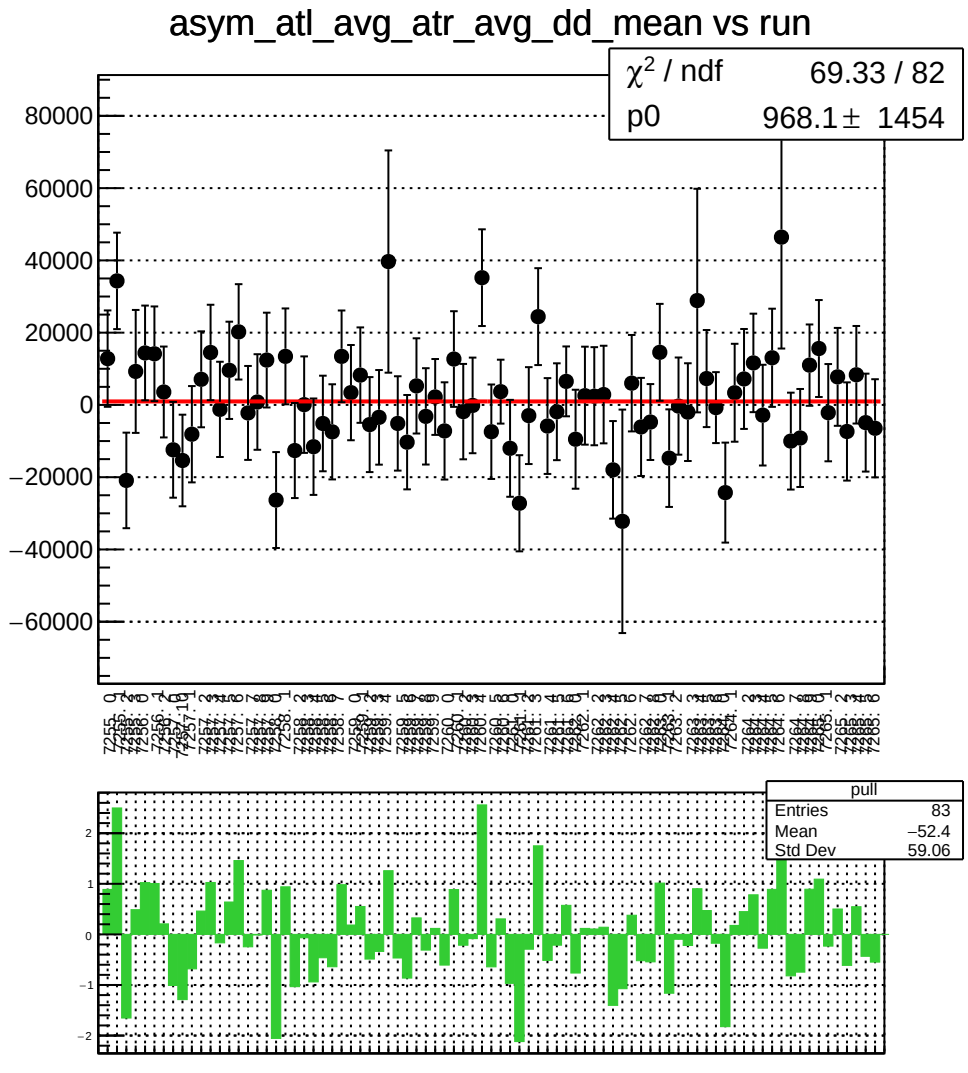

pull1D
Entries 83
Mean 0.01376
Std Dev 0.9139

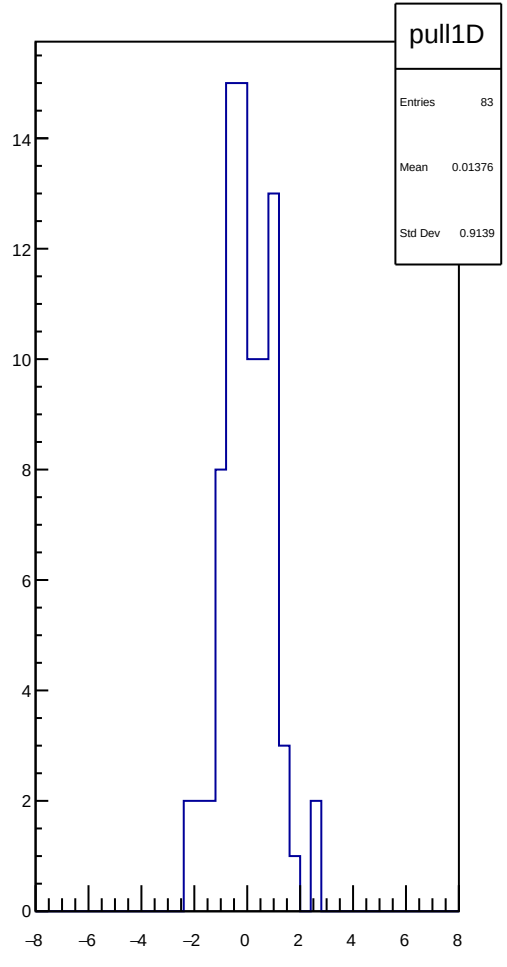

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.994e+04 / 82
p0 1288 ± 1.028
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

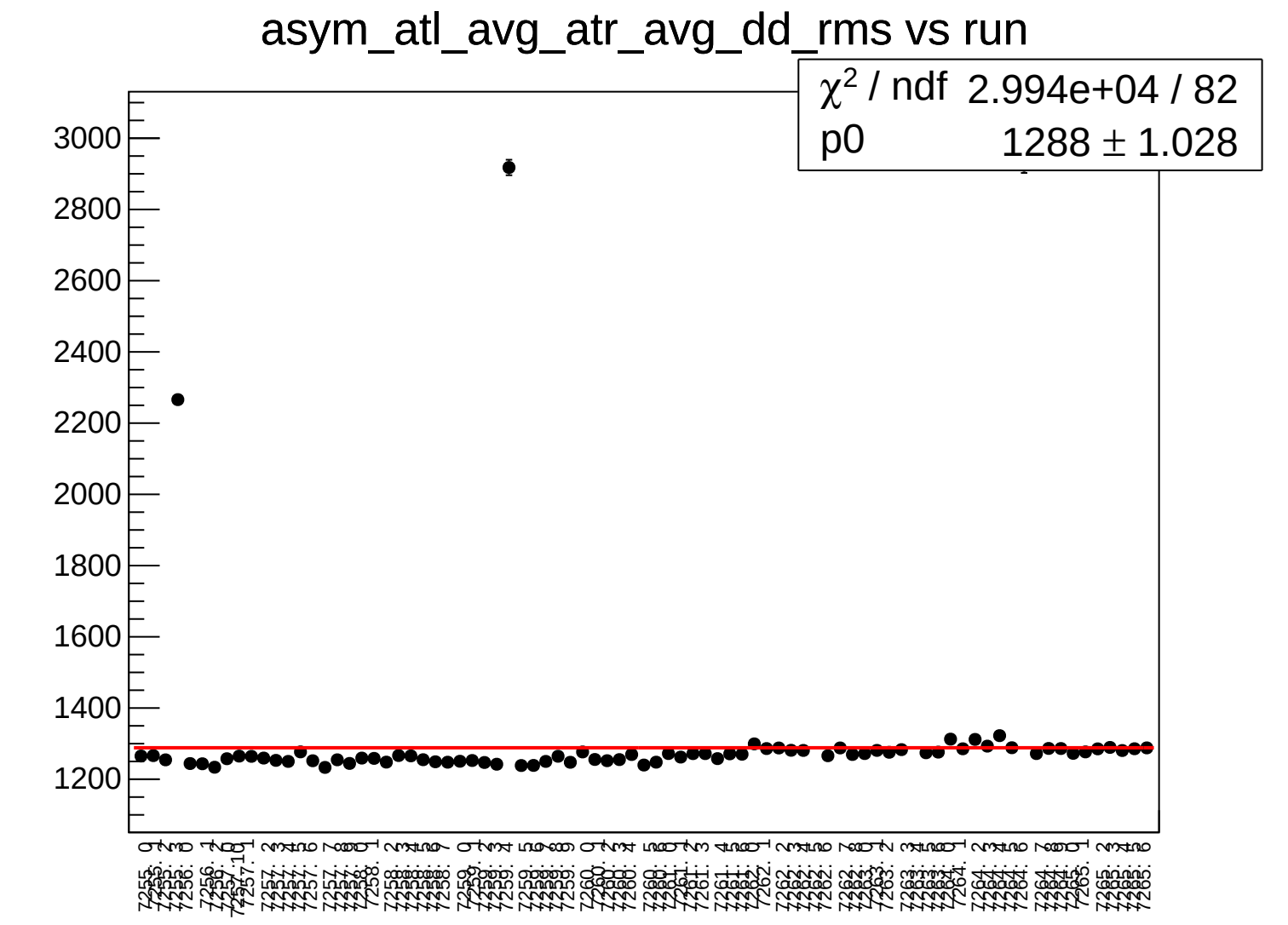

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

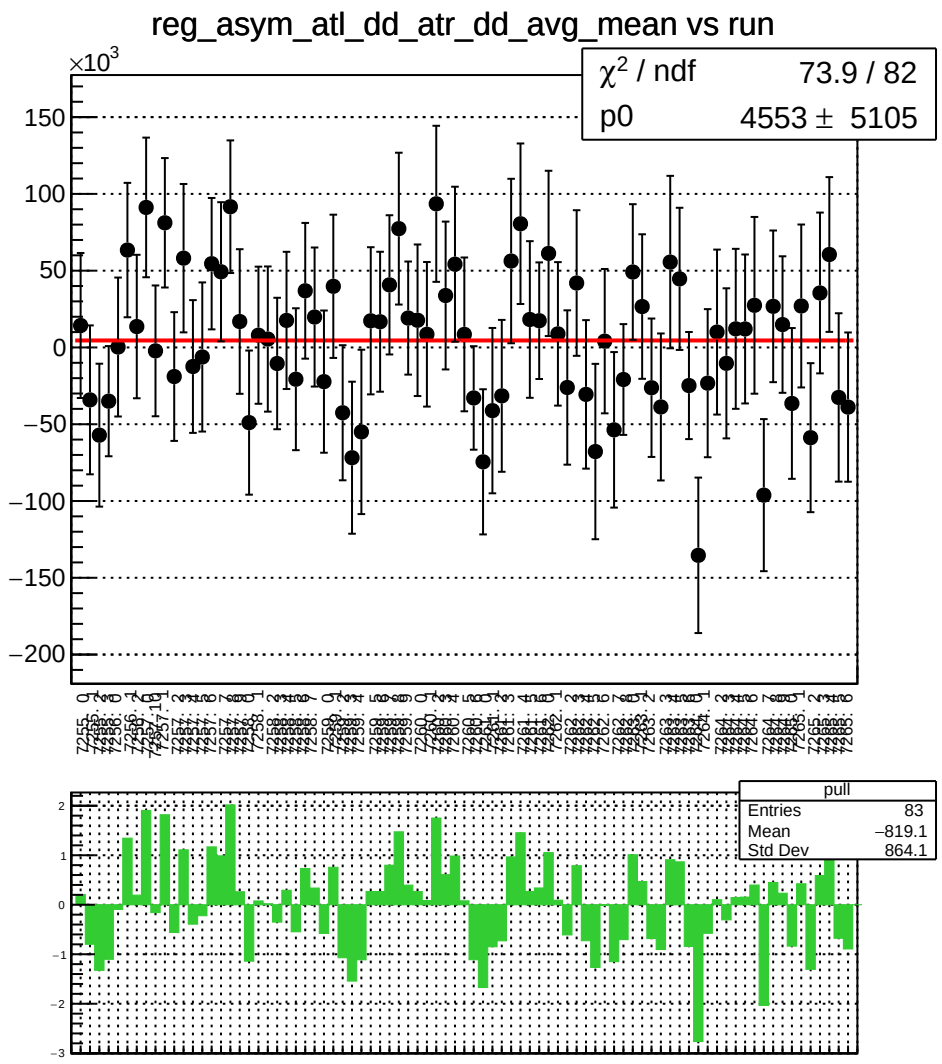

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

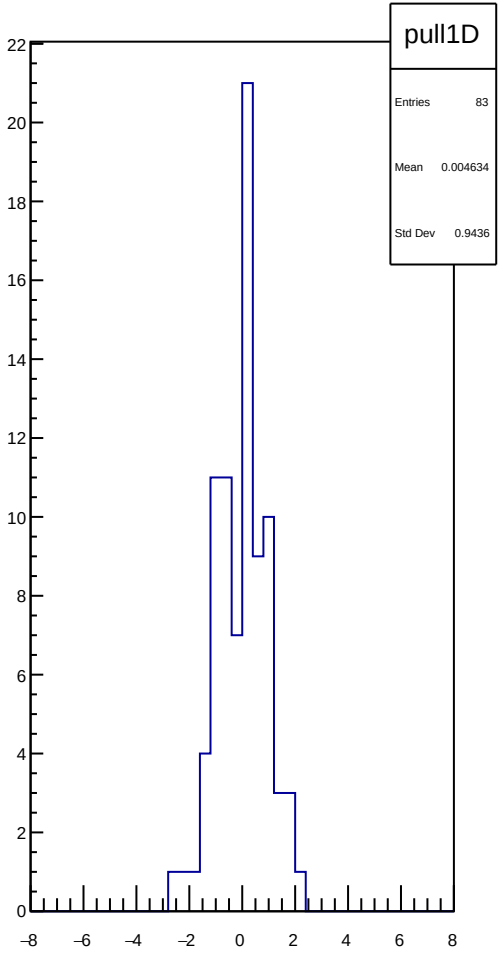

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

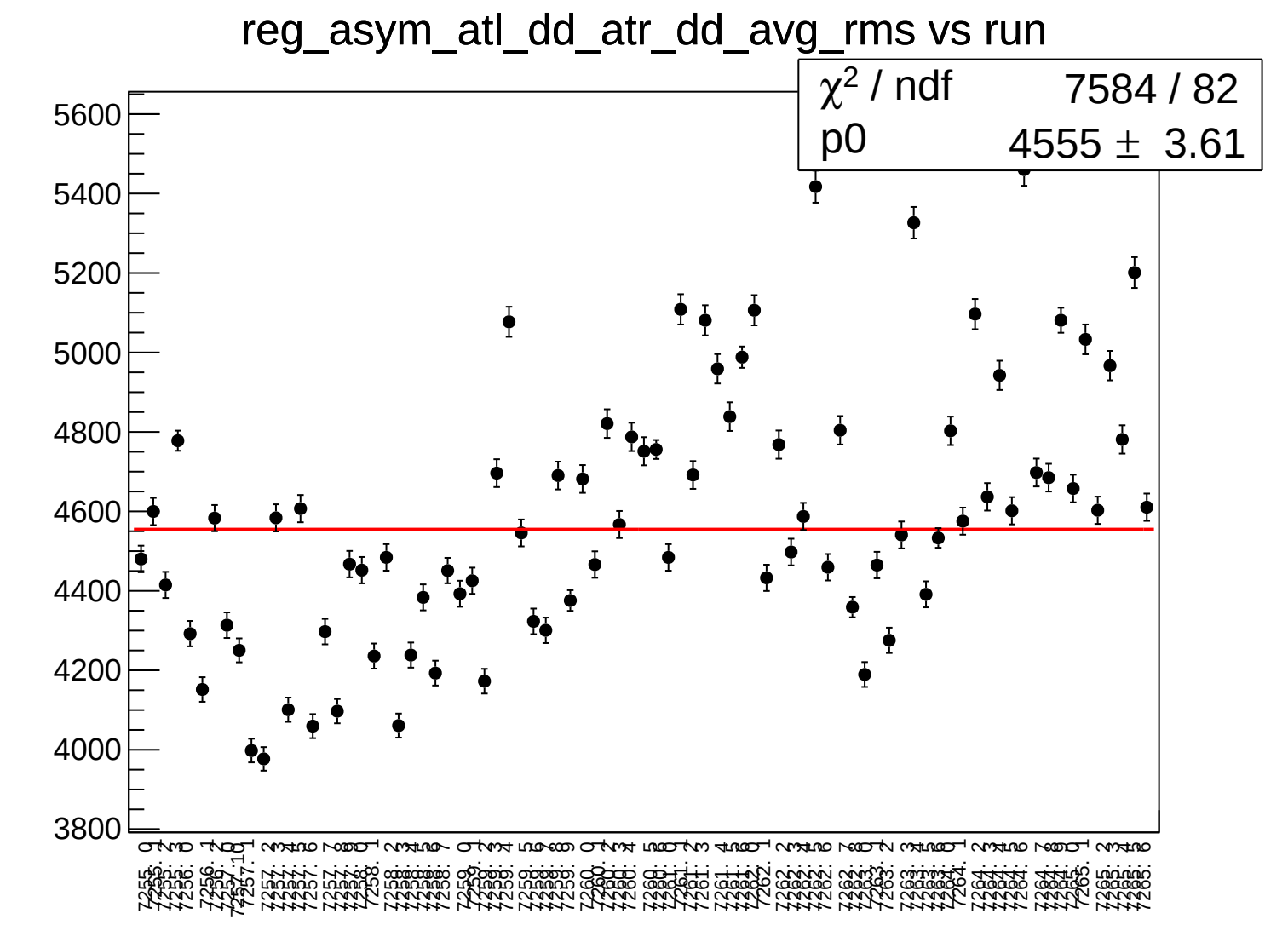

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 69.33 / 82
p0 968.1 ± 1454
pull
Entries 83
Mean −52.4
Std Dev 59.06

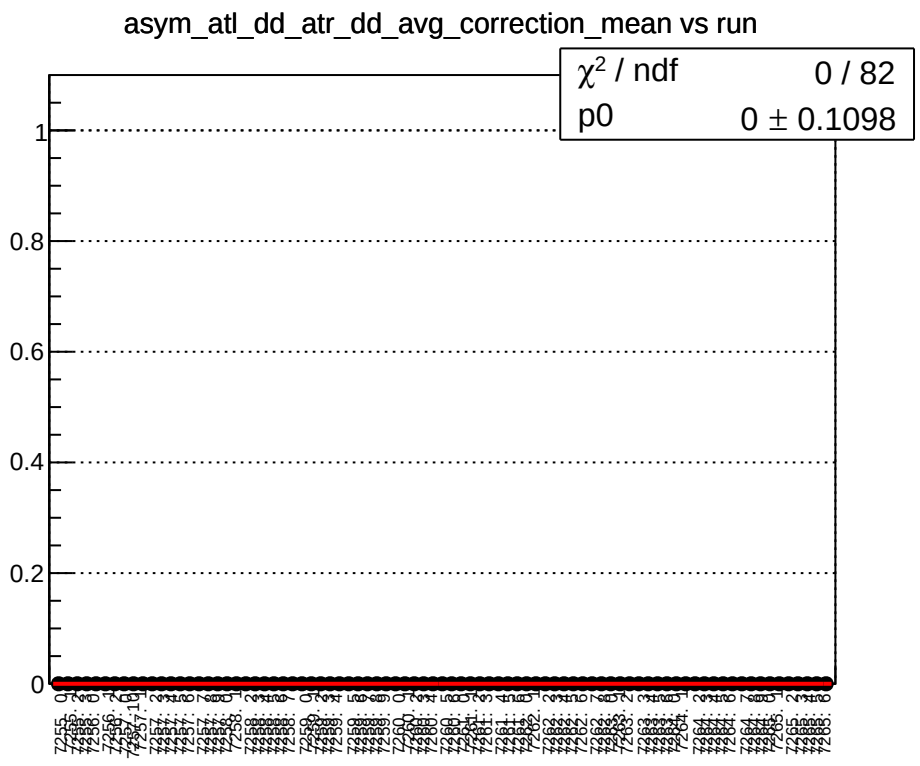

pull1D
Entries 83
Mean 0.01376
Std Dev 0.9139

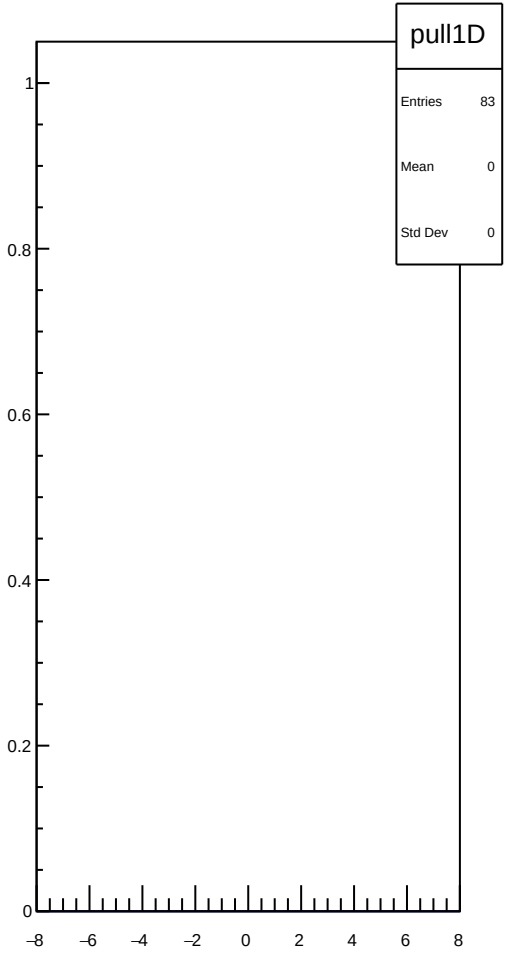

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.994e+04 / 82
p0 1288 ± 1.028
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

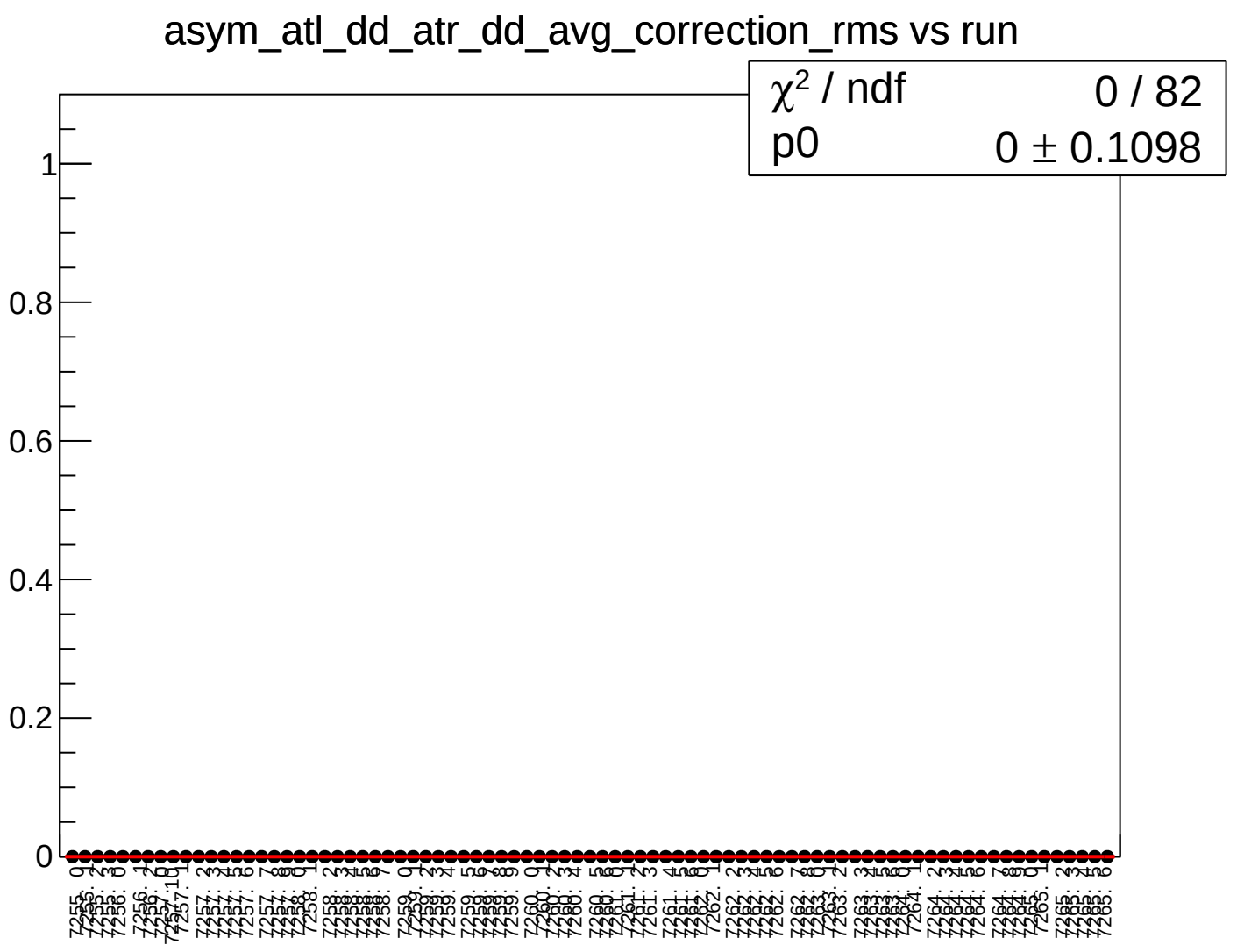

reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 73.9 / 82
p0 4553 ± 5105
pull
Entries 83
Mean −819.1
Std Dev 864.1

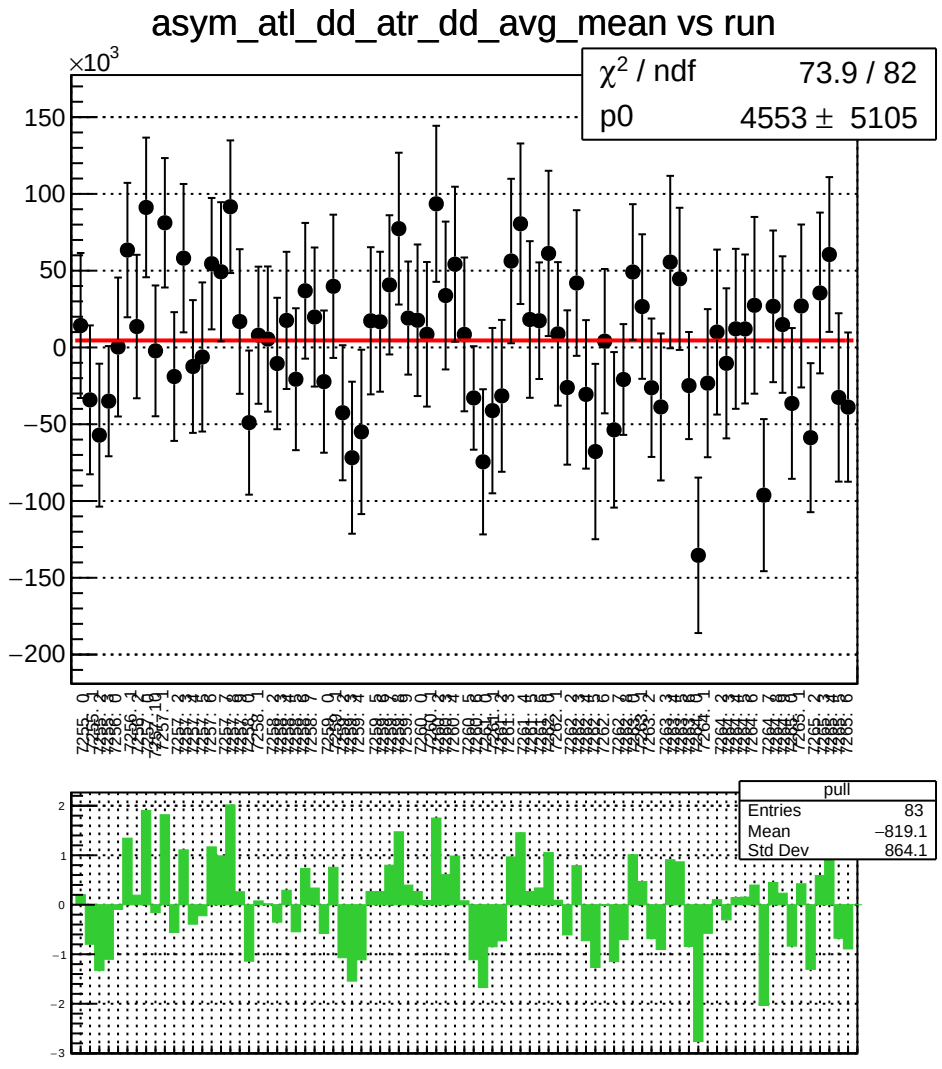

pull1D
Entries 83
Mean 0.004634
Std Dev 0.9436

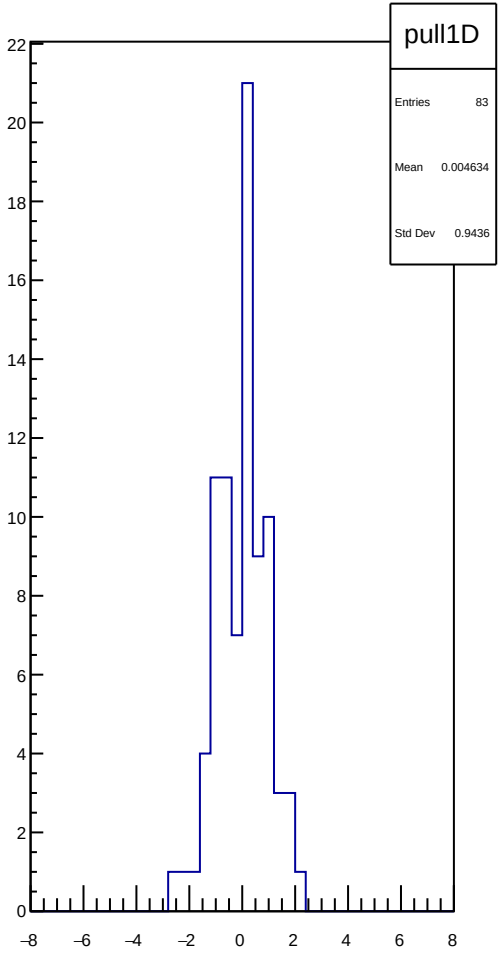

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 7584 / 82
p0 4555 ± 3.61
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

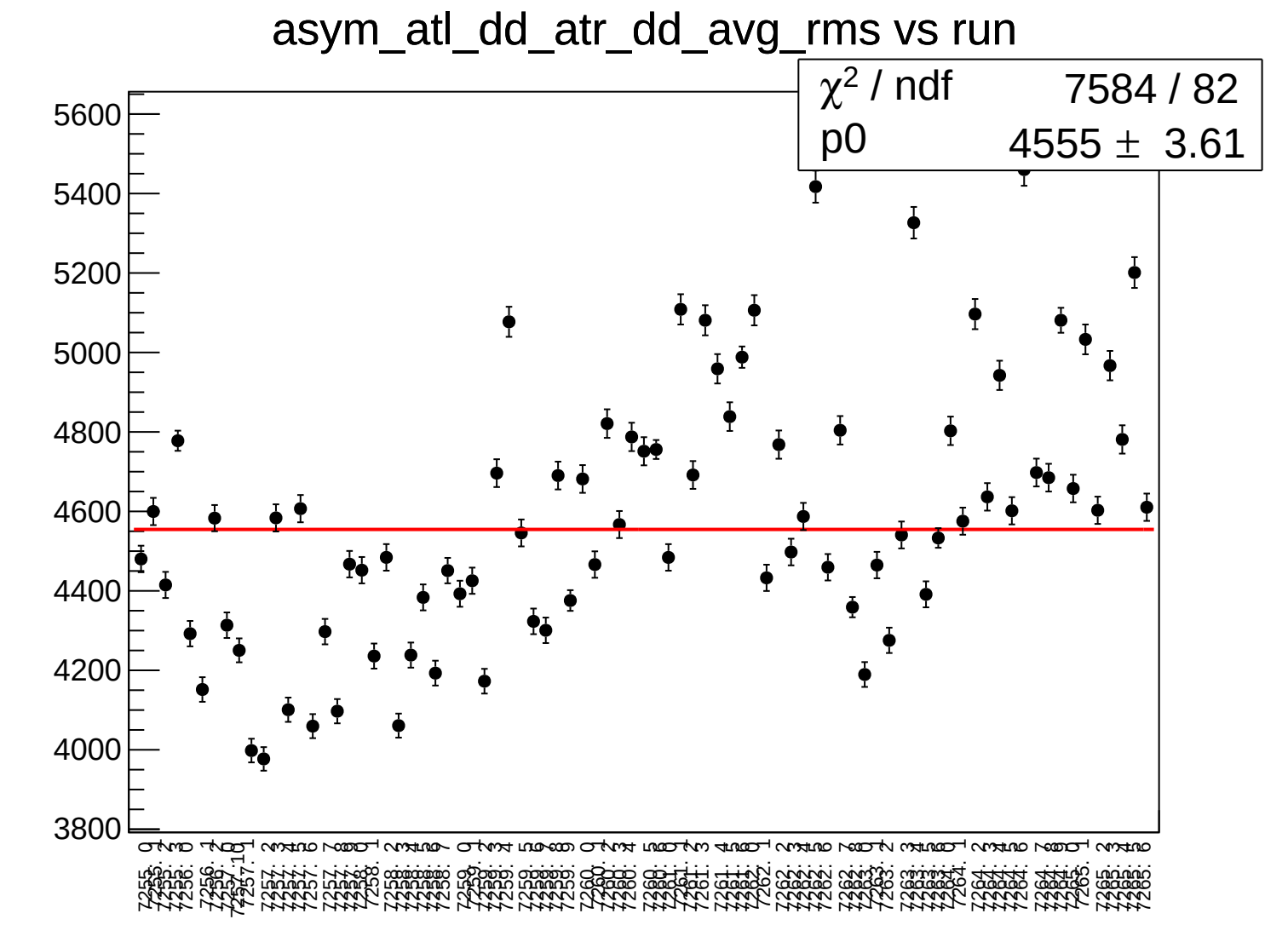

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

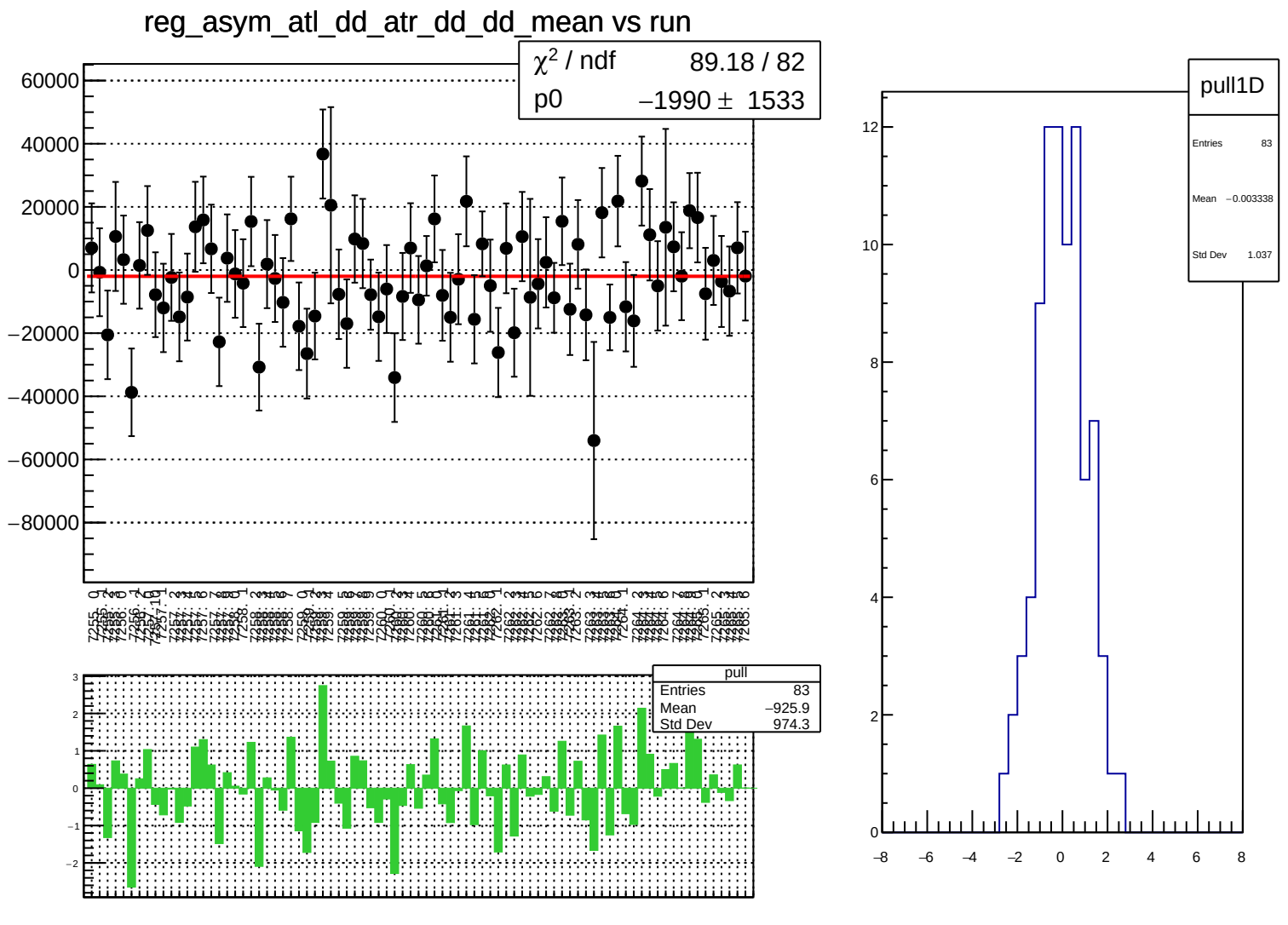

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

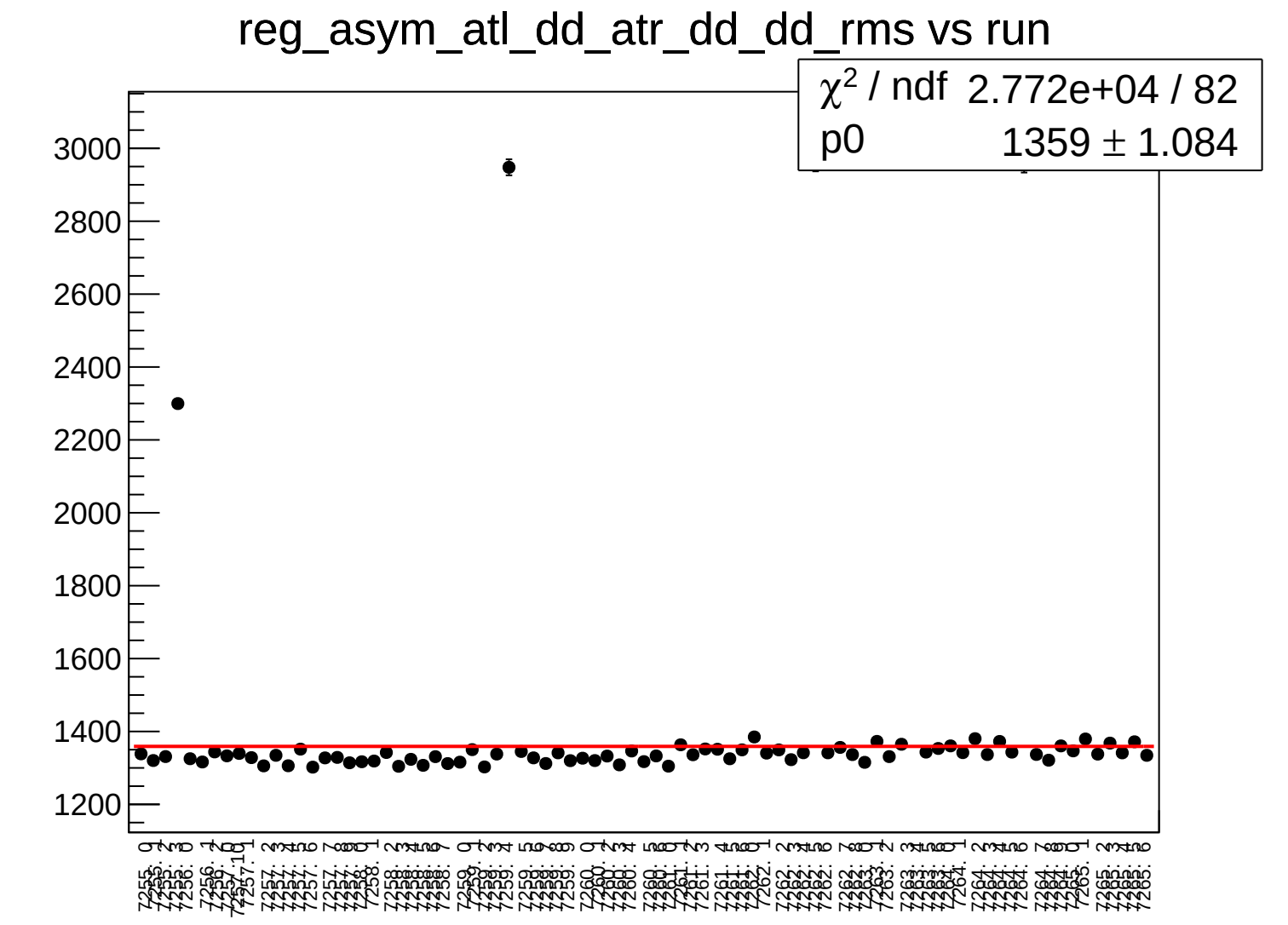

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

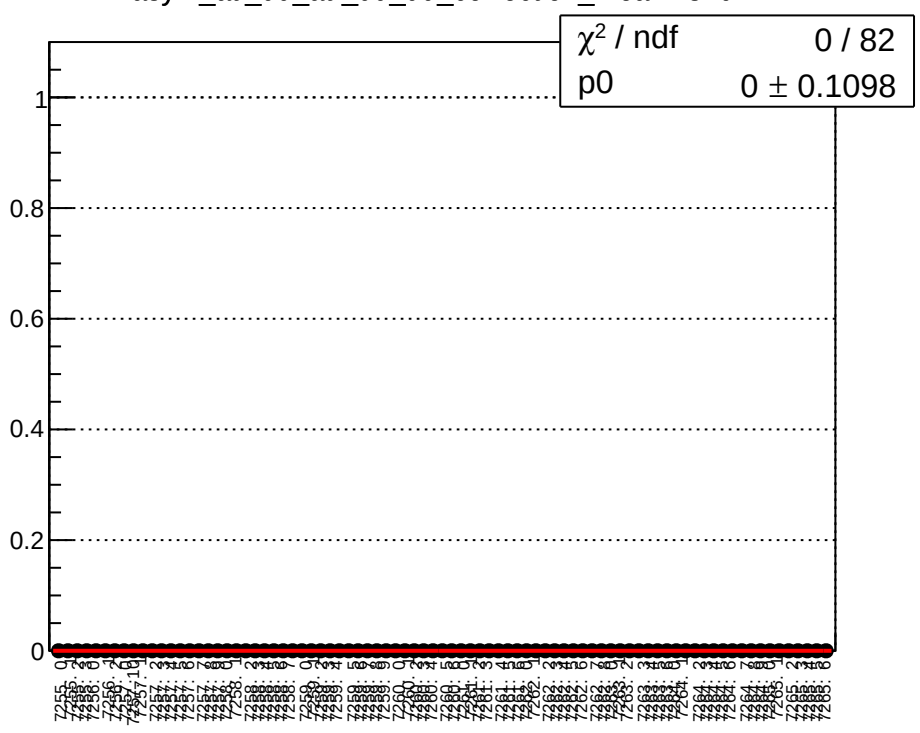

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 73.9 / 82
p0 4553 ± 5105
pull
Entries 83
Mean −819.1
Std Dev 864.1

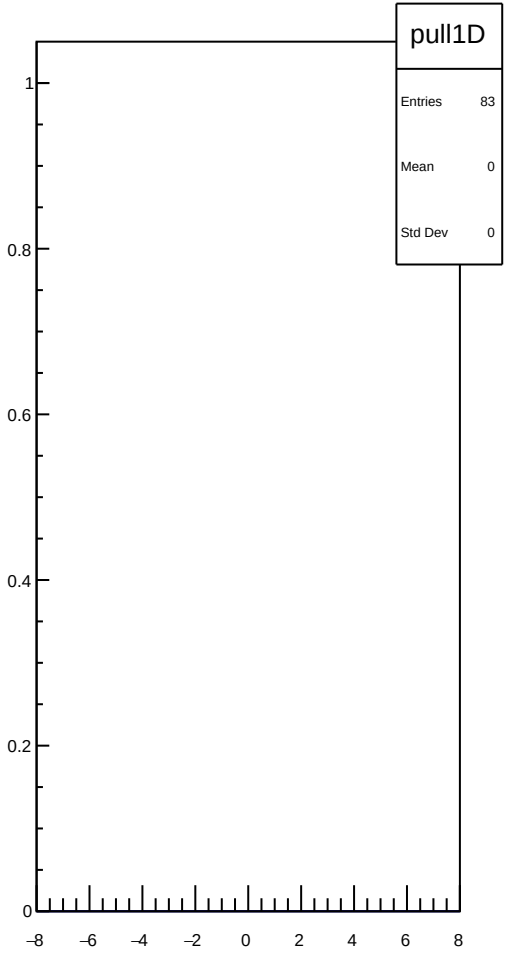

pull1D
Entries 83
Mean 0.004634
Std Dev 0.9436

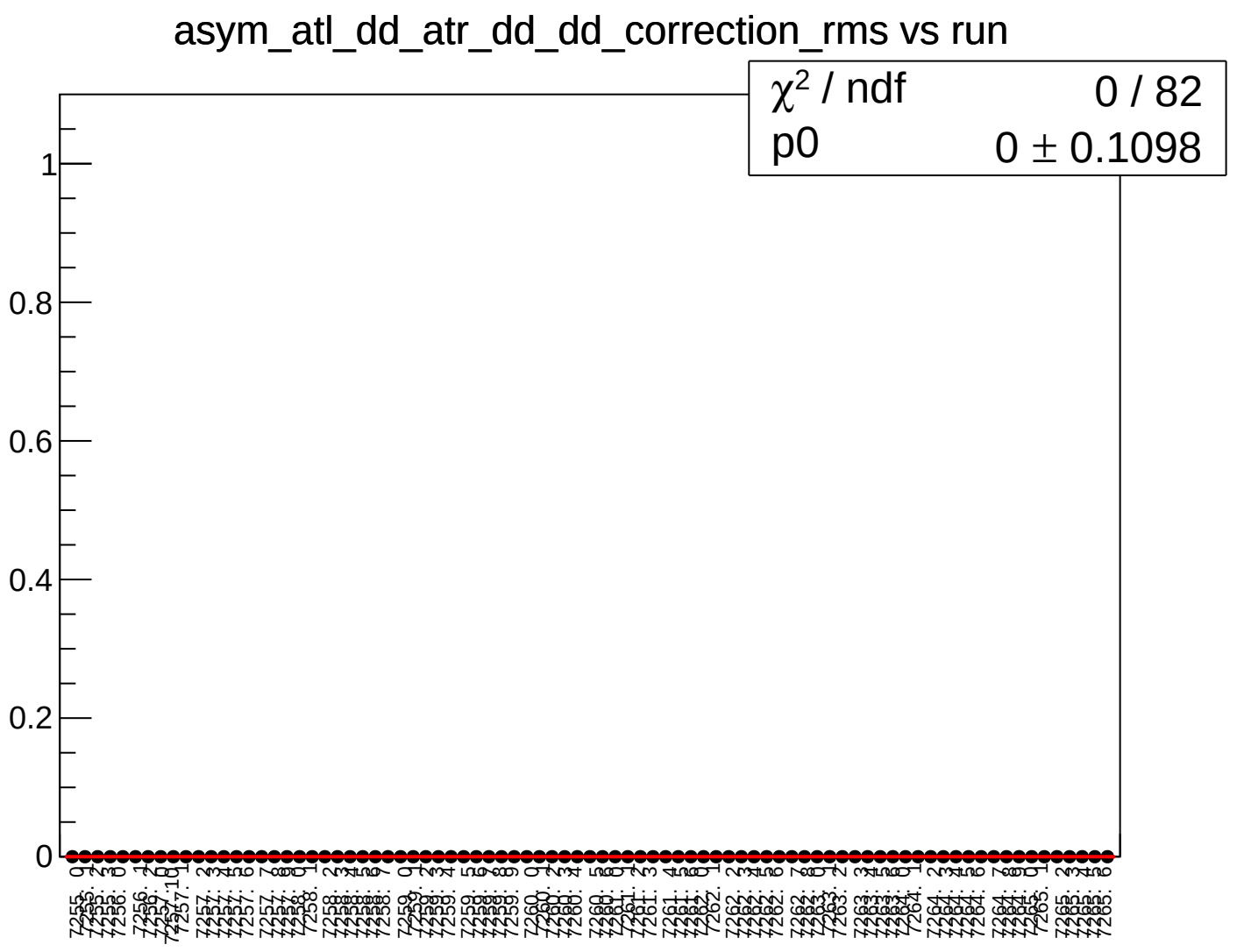

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 7584 / 82
p0 4555 ± 3.61
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

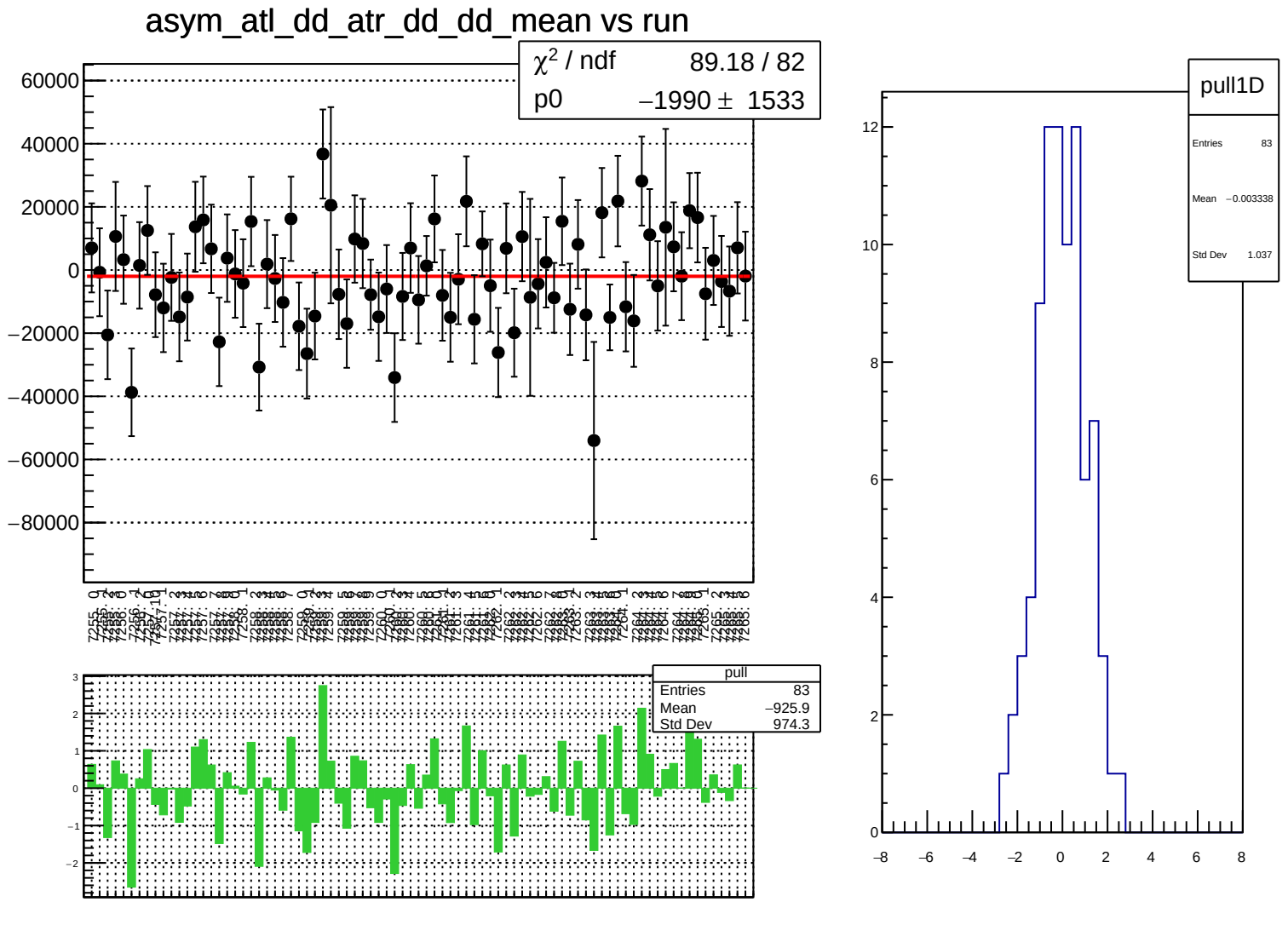

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 89.18 / 82
p0 −1990 ± 1533
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −925.9
Std Dev 974.3
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.003338
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

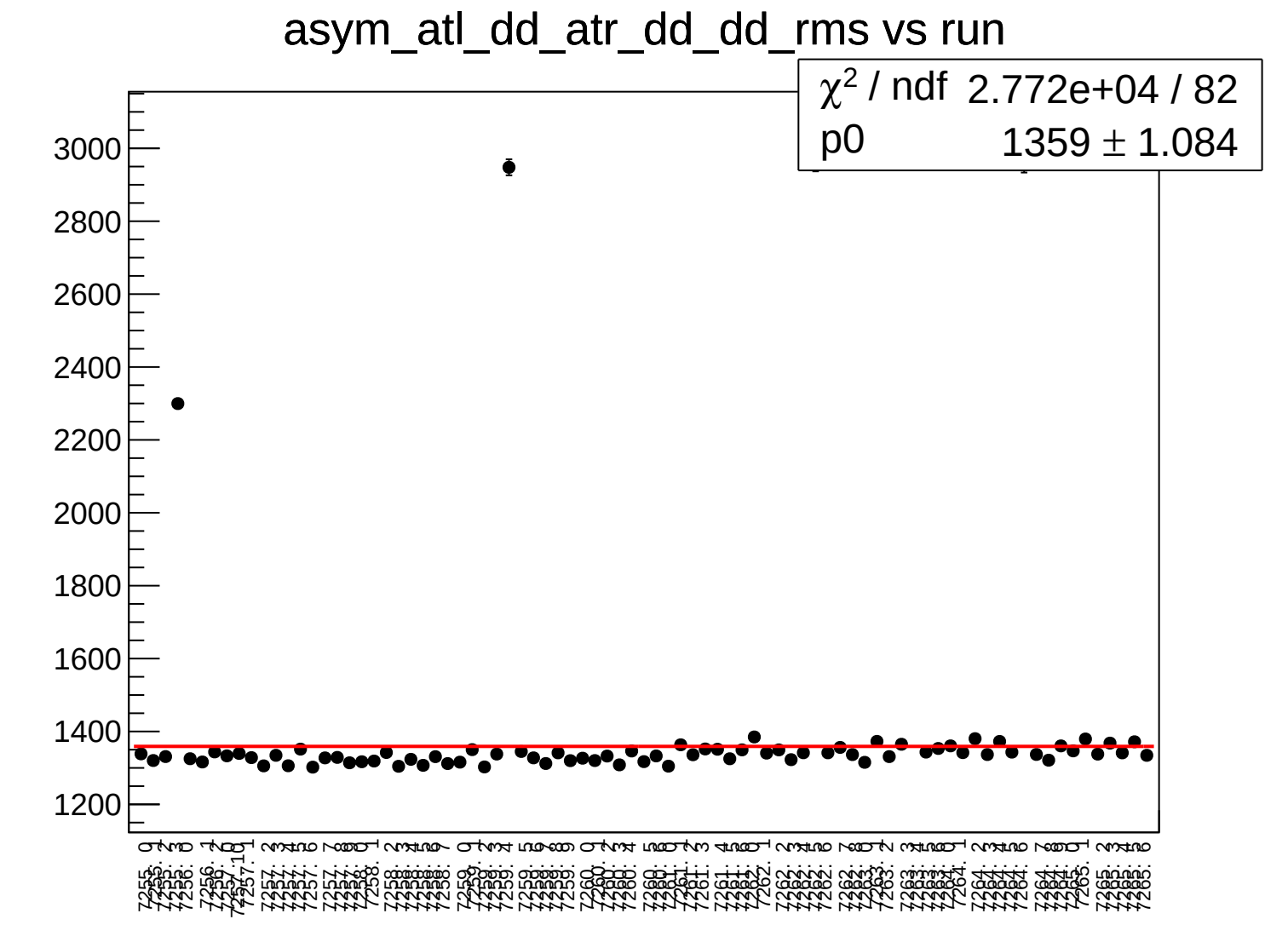

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.772e+04 / 82
p0 1359 ± 1.084
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

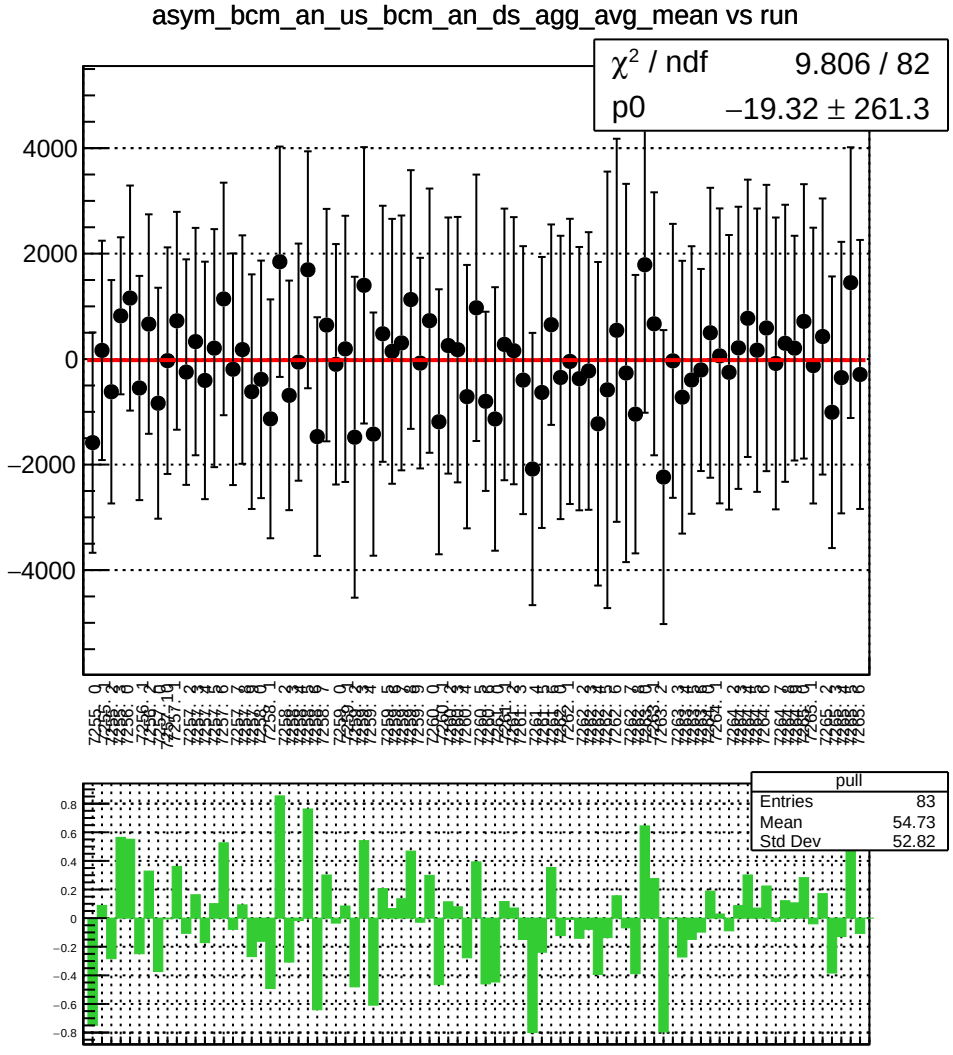

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

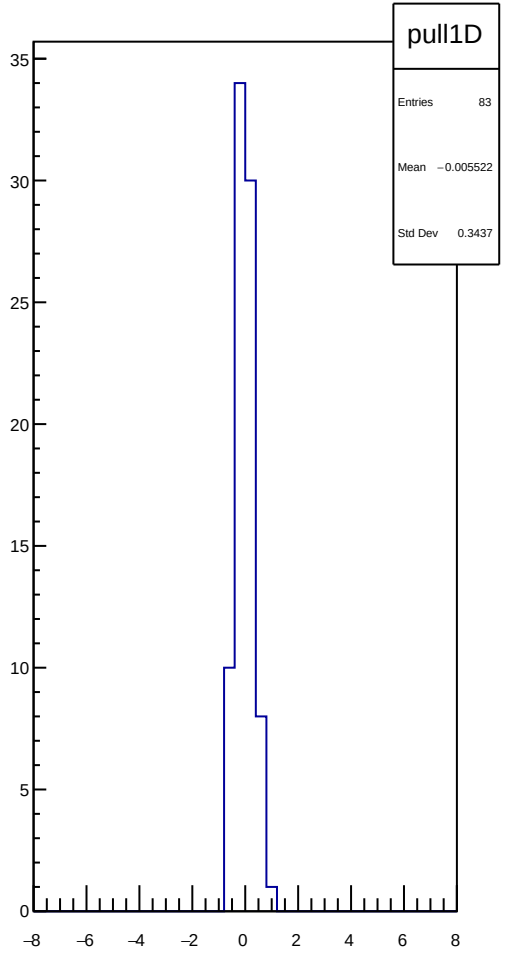

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

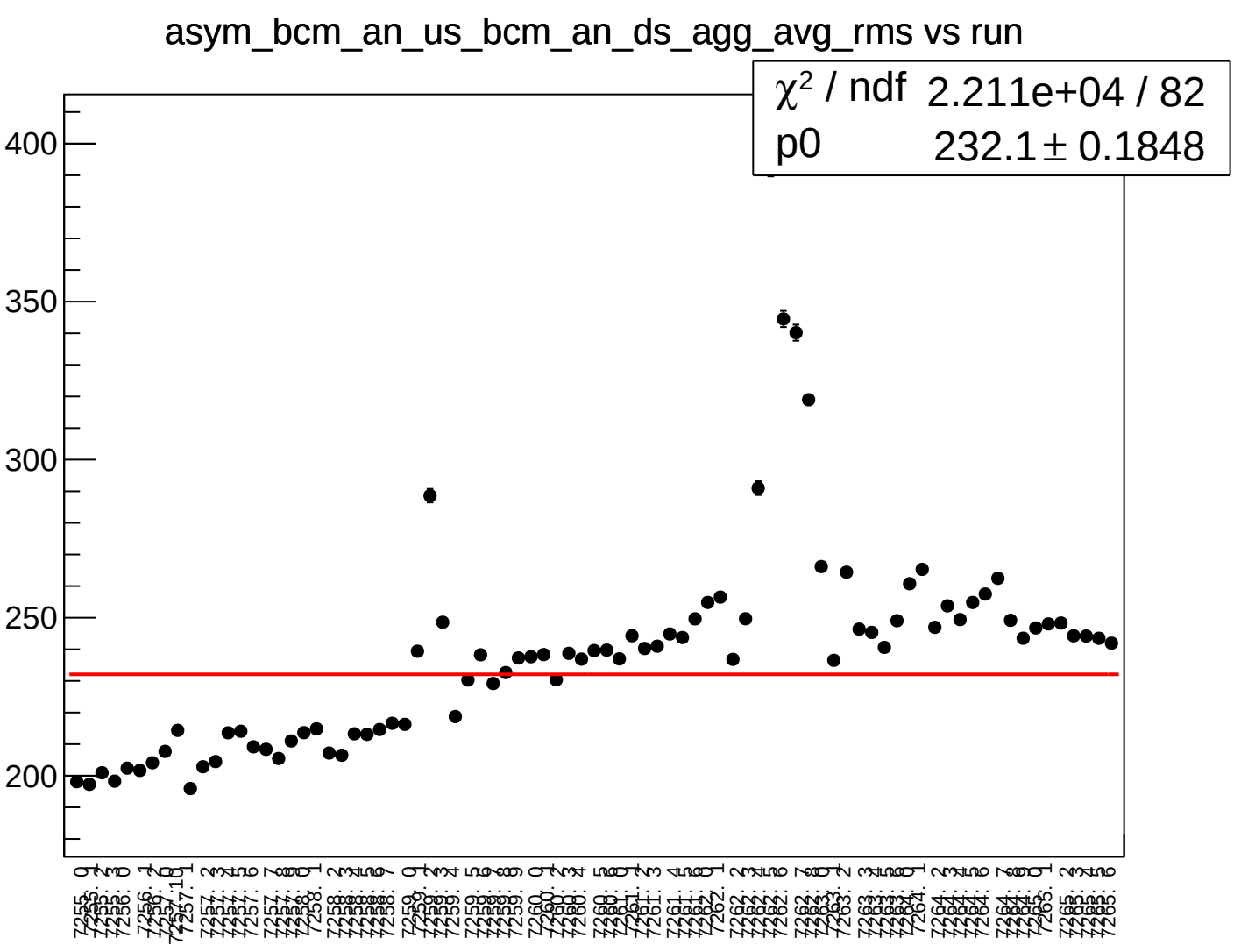

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0

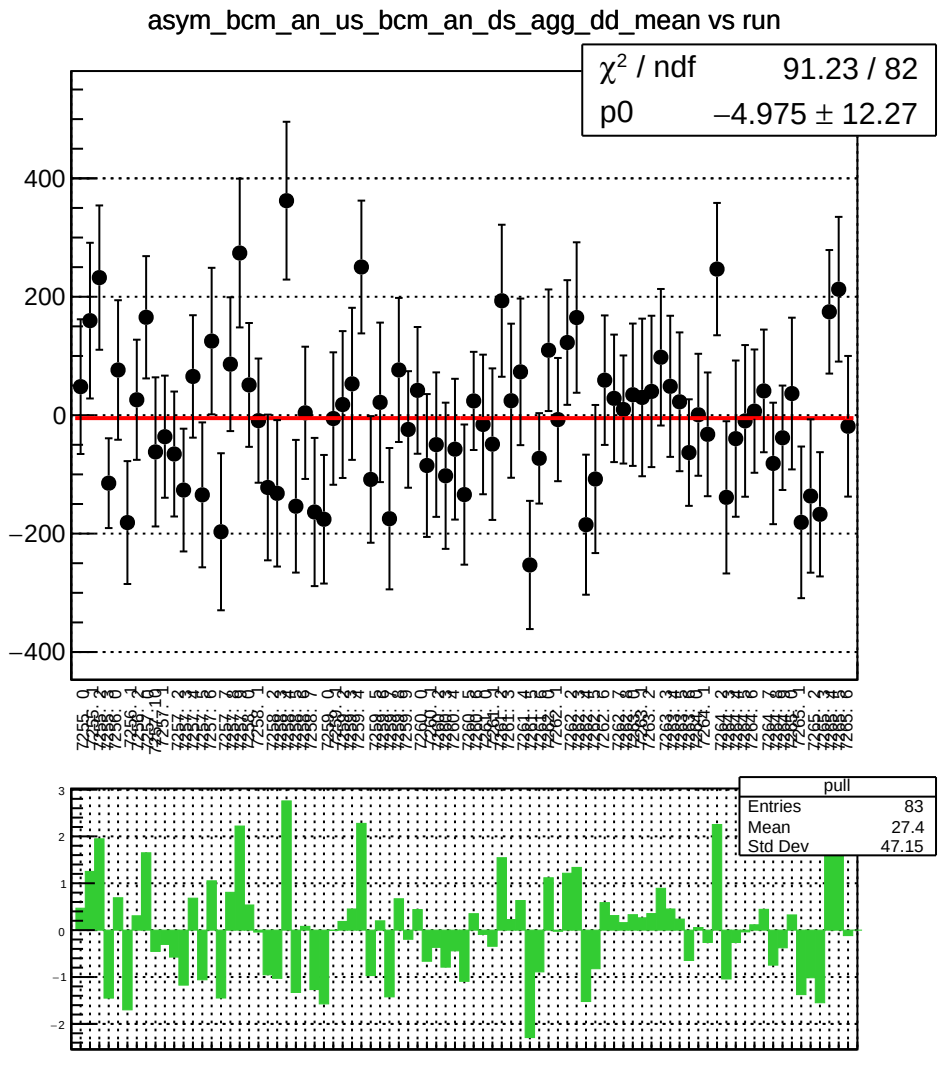

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 89.18 / 82
p0 −1990 ± 1533
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −925.9
Std Dev 974.3
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.003338
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

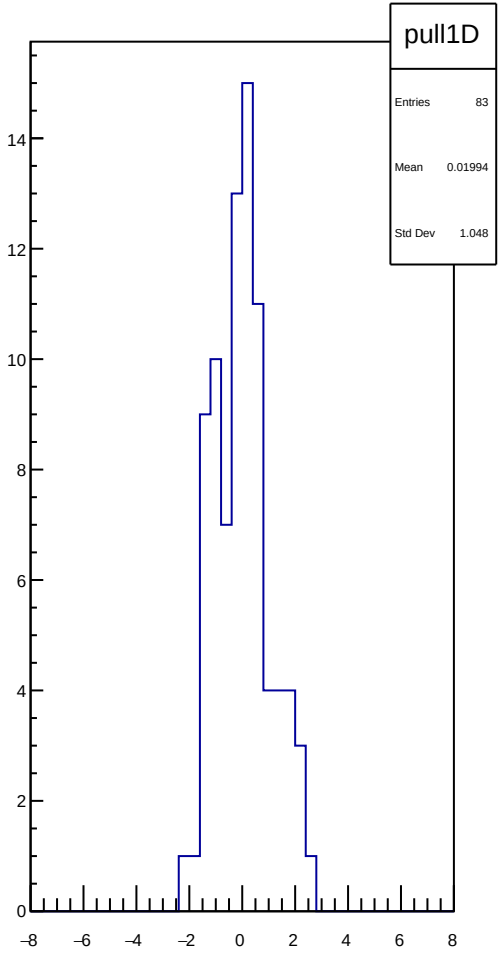

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.772e+04 / 82
p0 1359 ± 1.084
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

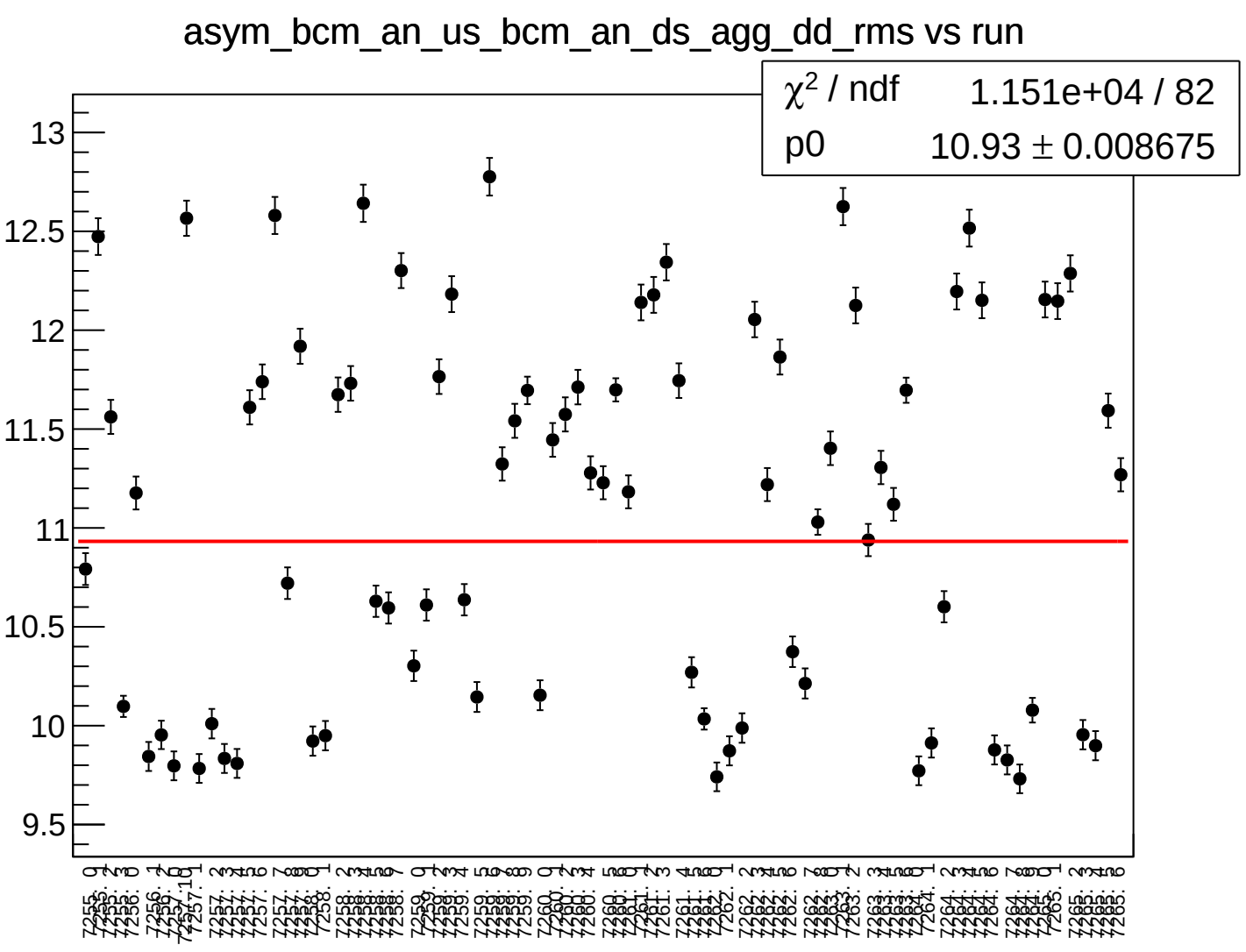

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.806 / 82
p0 −19.32 ± 261.3
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 54.73
Std Dev 52.82
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

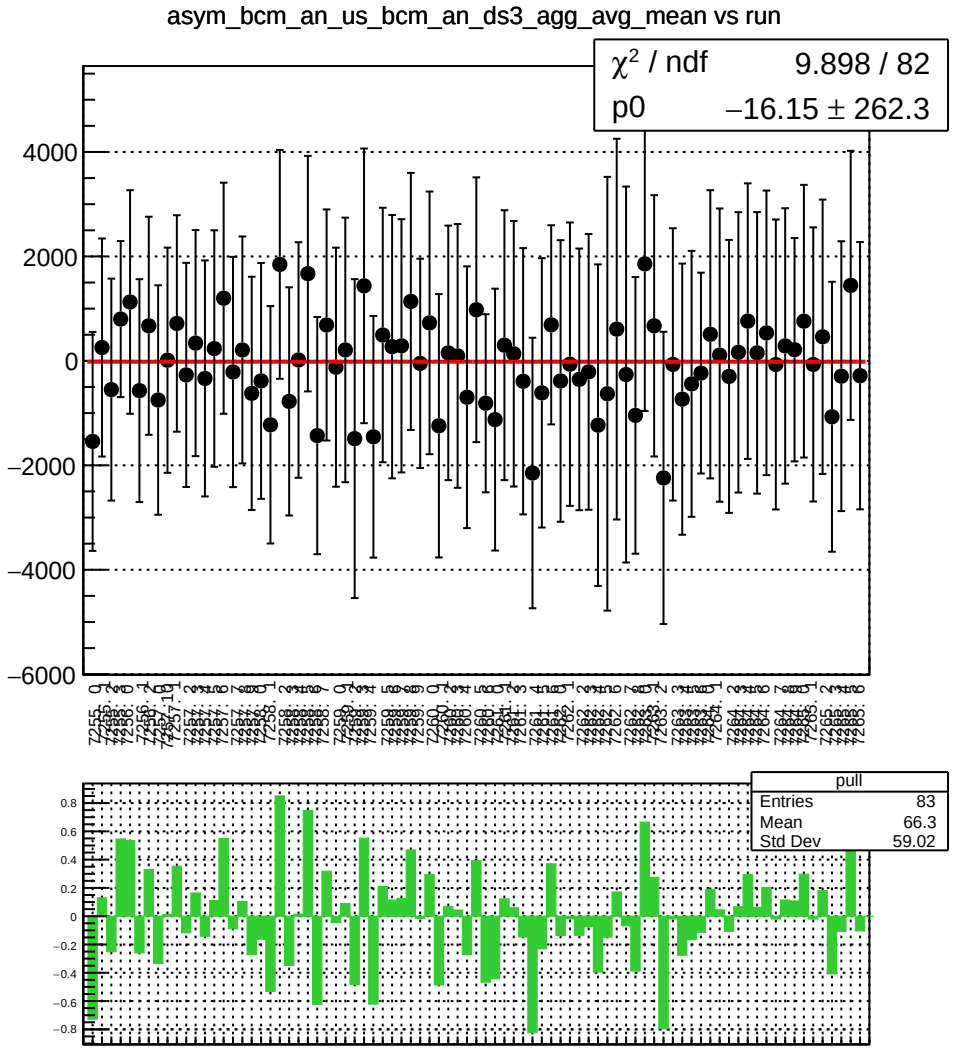

pull1D
Entries 83
Mean −0.005522
Std Dev 0.3437
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

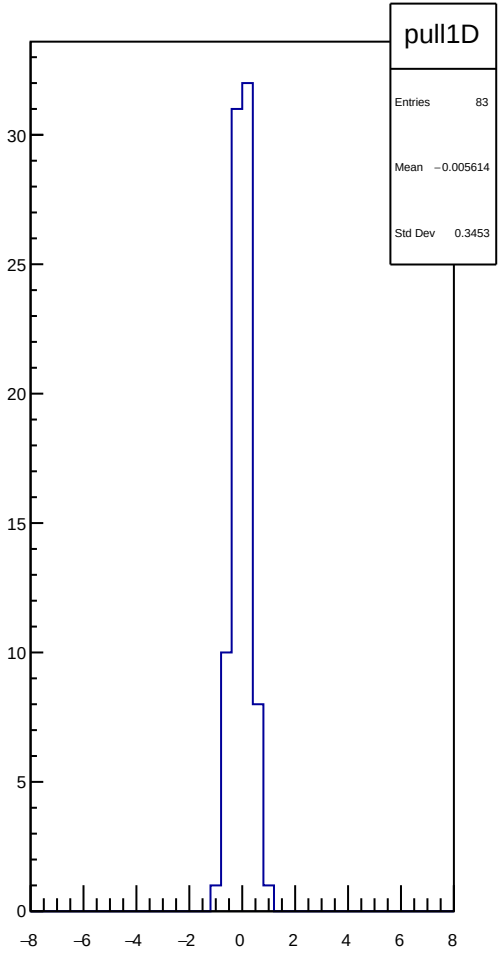

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.211e+04 / 82
p0 232.1 ± 0.1848
400
350
300
250
200

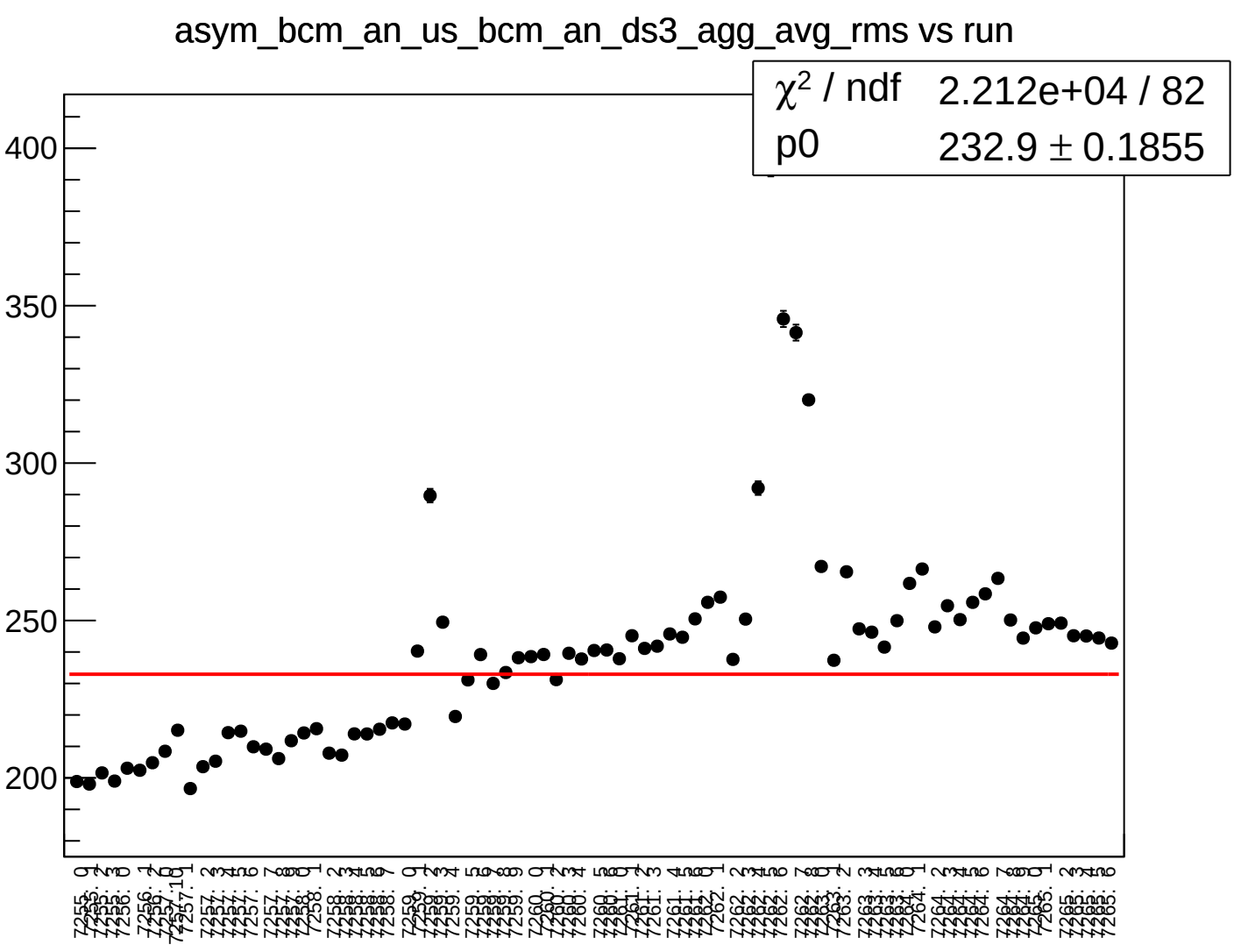

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 91.23 / 82
p0 −4.975 ± 12.27
400
200
0
−200
−400
pull
Entries 83
Mean 27.4
Std Dev 47.15
3
2
1
0
−1
−2

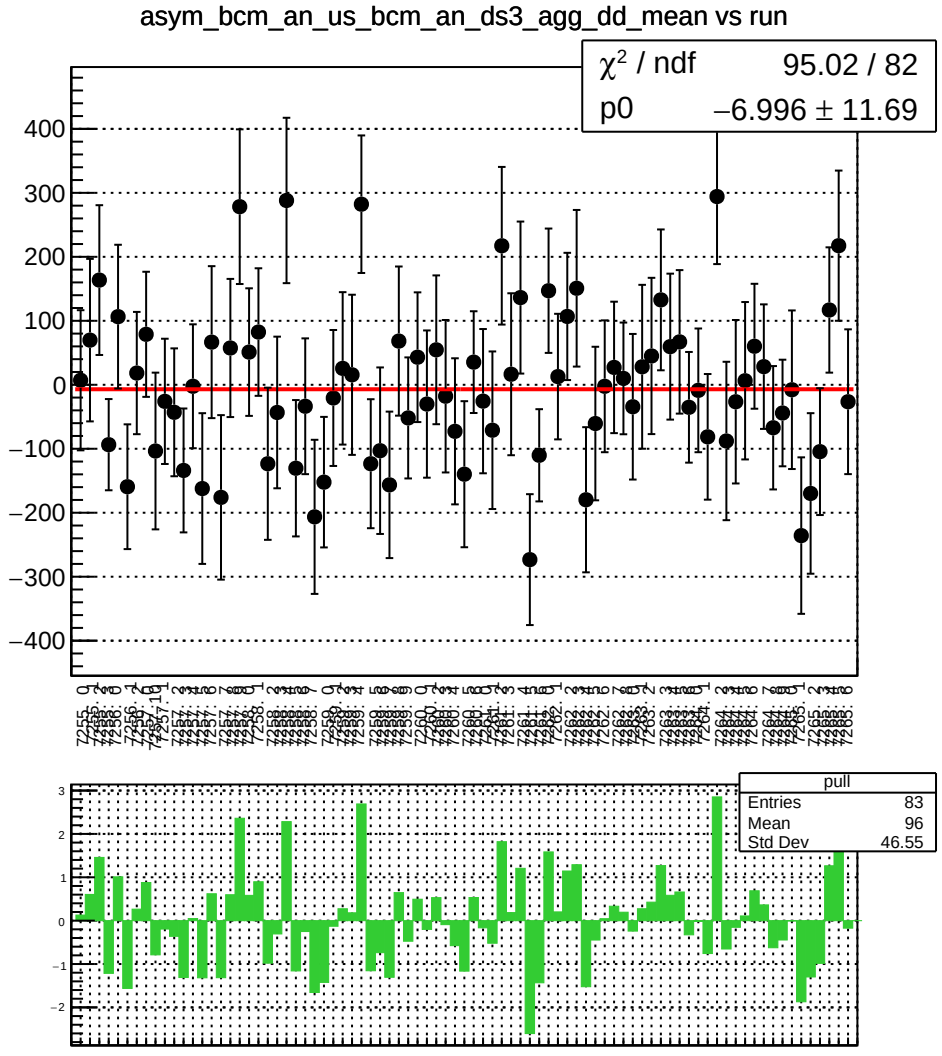

pull1D
Entries 83
Mean 0.01994
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

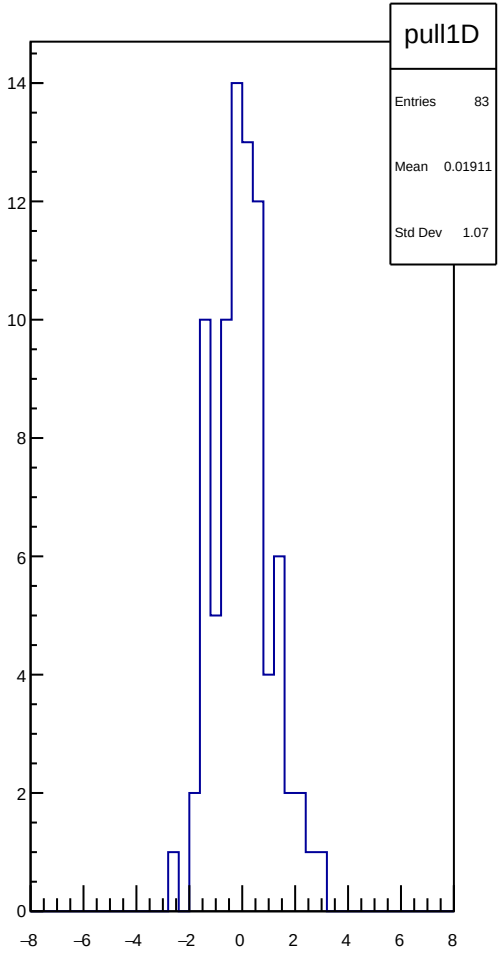

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.151e+04 / 82
p0 10.93 ± 0.008675
13
12.5
12
11.5
11
10.5
10
9.5

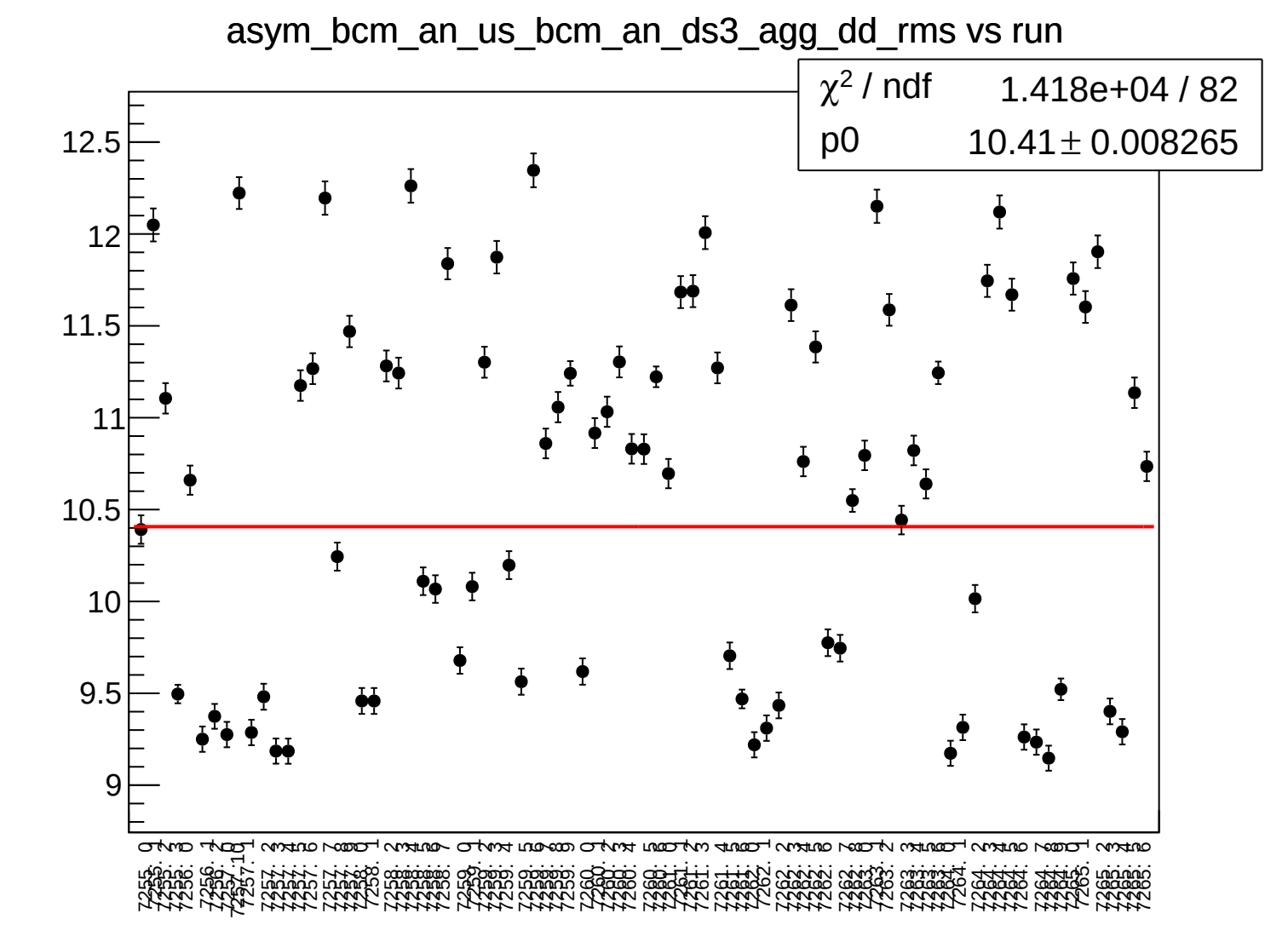

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 9.898 / 82
p0 −16.15 ± 262.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 66.3
Std Dev 59.02
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

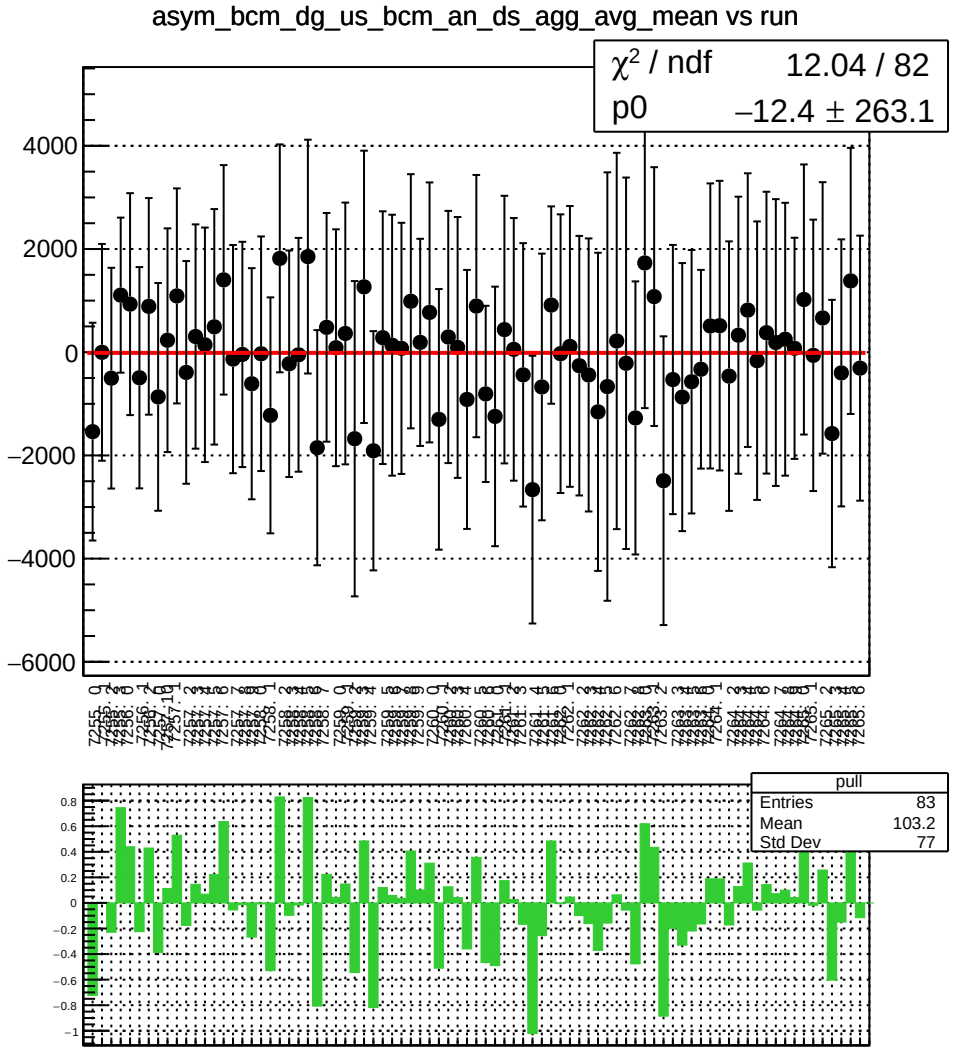

pull1D
Entries 83
Mean −0.005614
Std Dev 0.3453
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

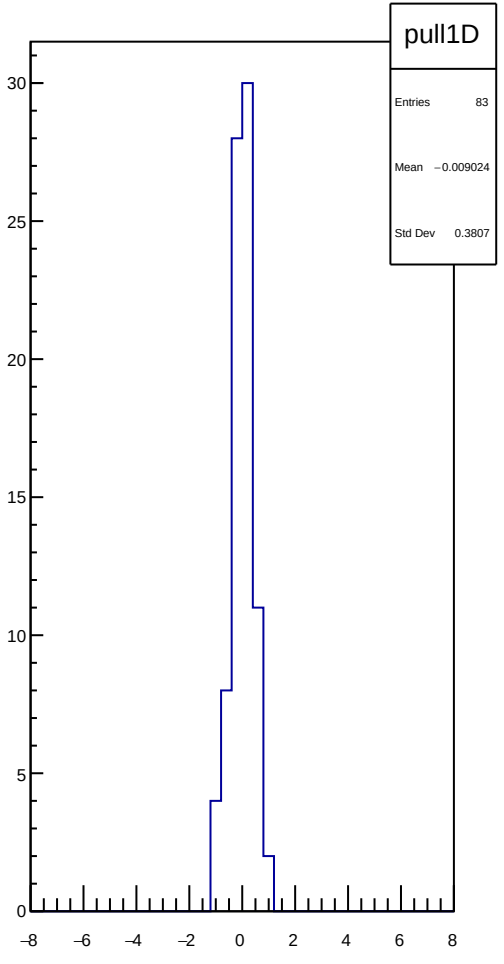

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 2.212e+04 / 82
p0 232.9 ± 0.1855
400
350
300
250
200

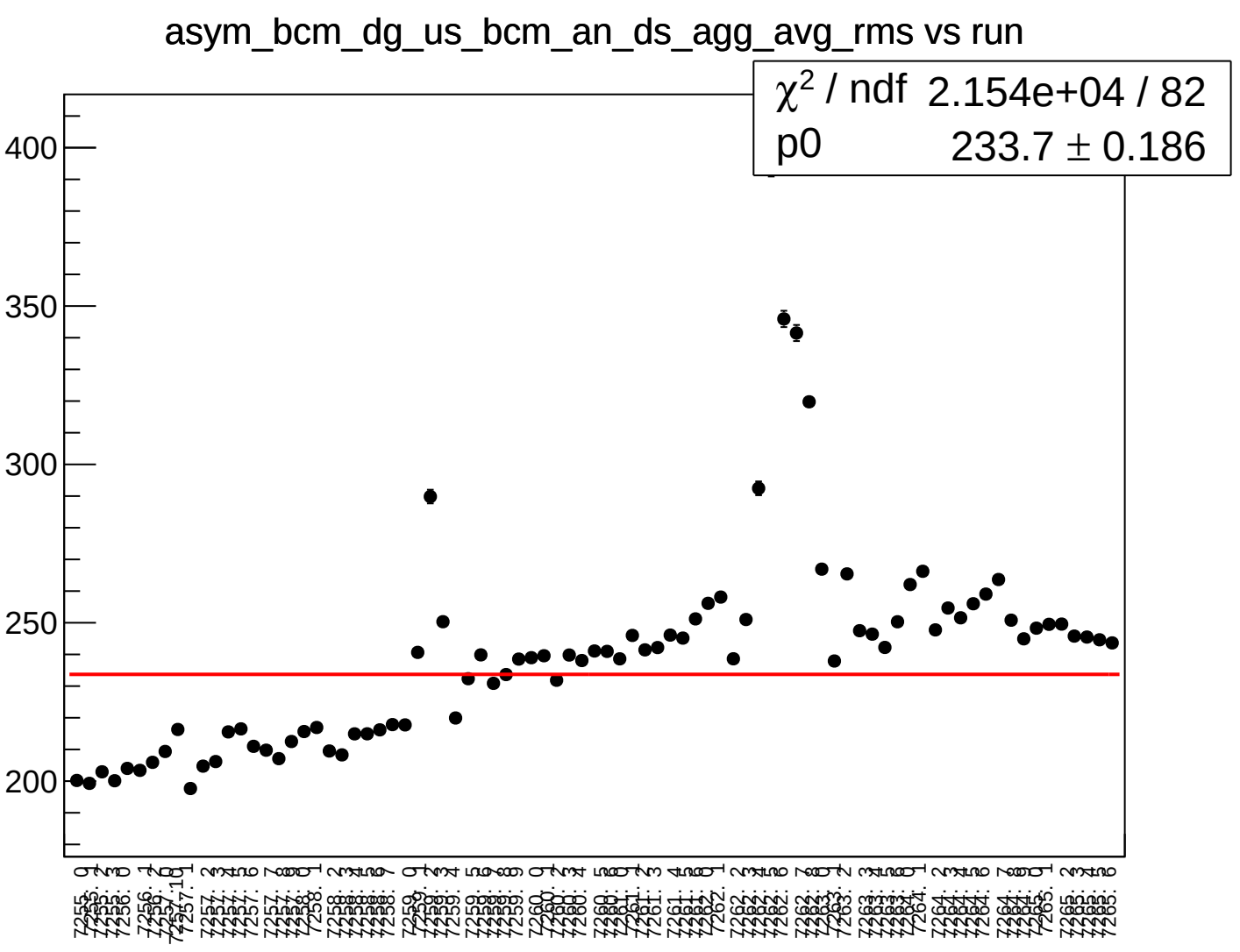

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 95.02 / 82
p0 −6.996 ± 11.69
pull
Entries 83
Mean 96
Std Dev 46.55

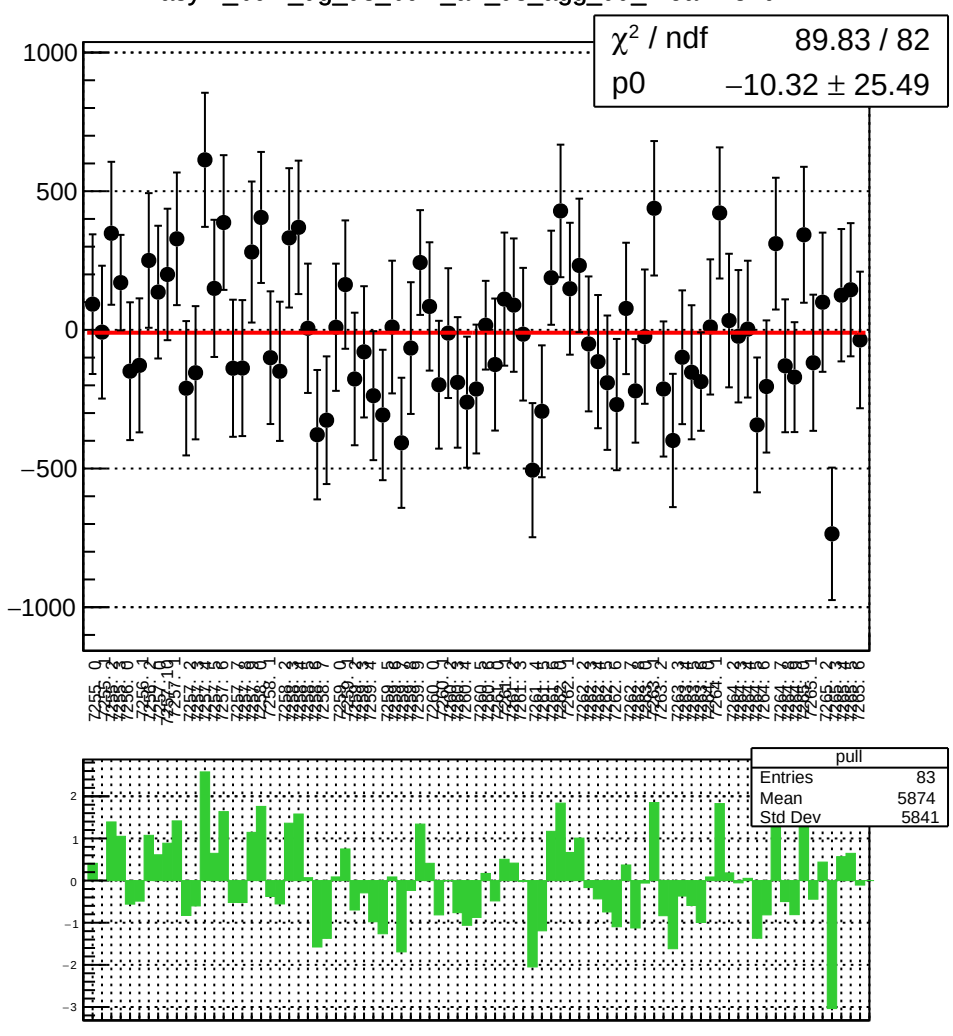

pull1D
Entries 83
Mean 0.01911
Std Dev 1.07

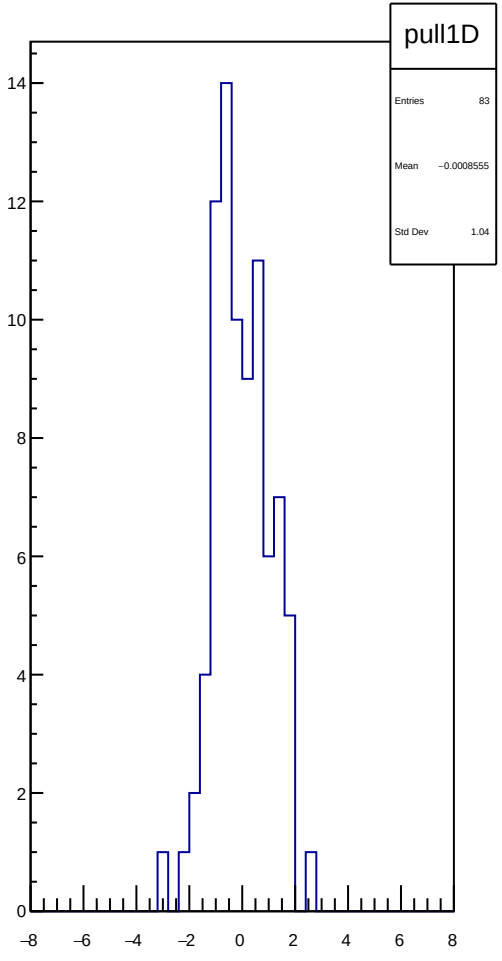

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.418e+04 / 82
p0 10.41 ± 0.008265
12.5
12
11.5
11
10.5
10
9.5
9

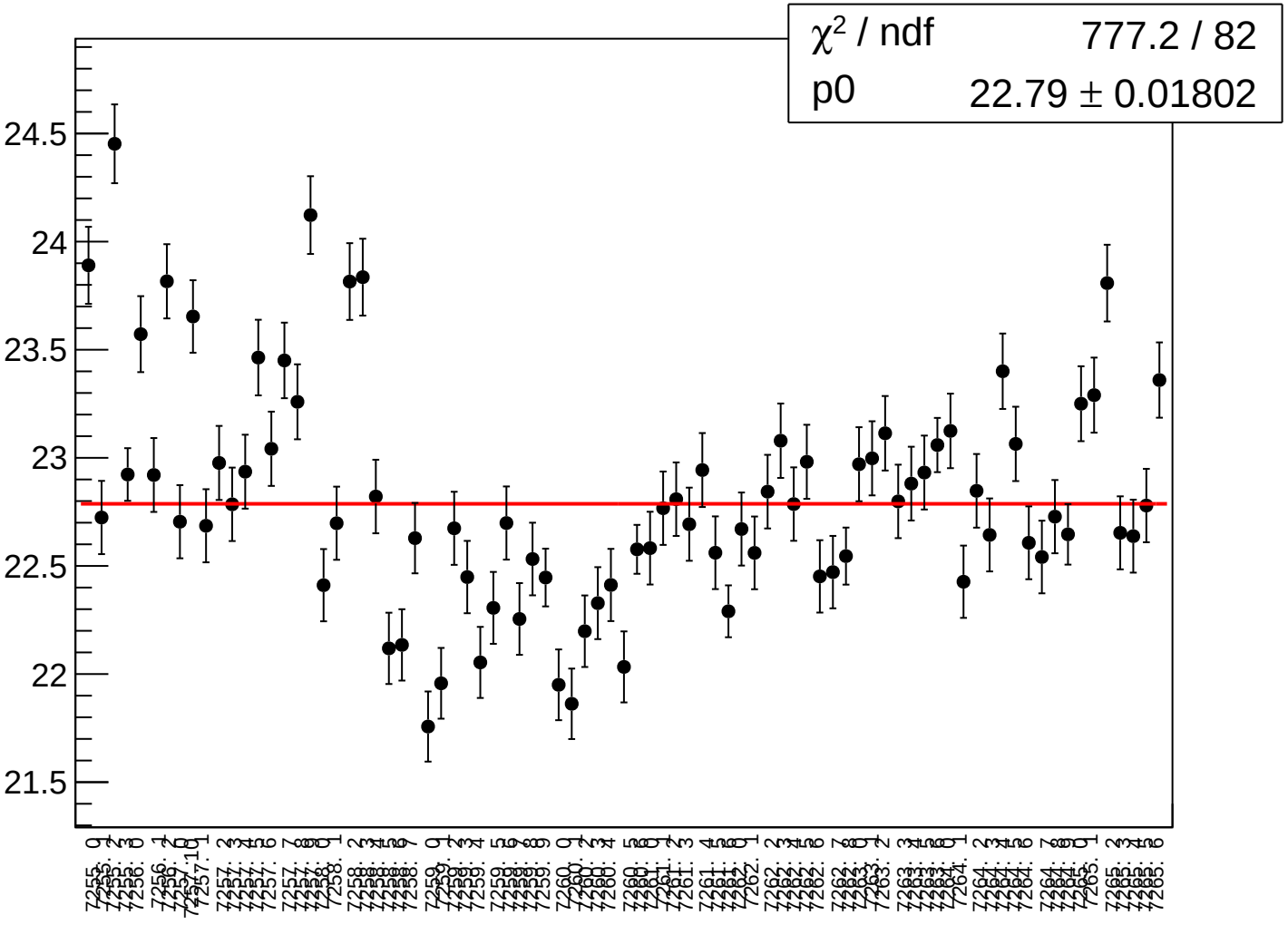

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.04 / 82
p0 −12.4 ± 263.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 103.2
Std Dev 77
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

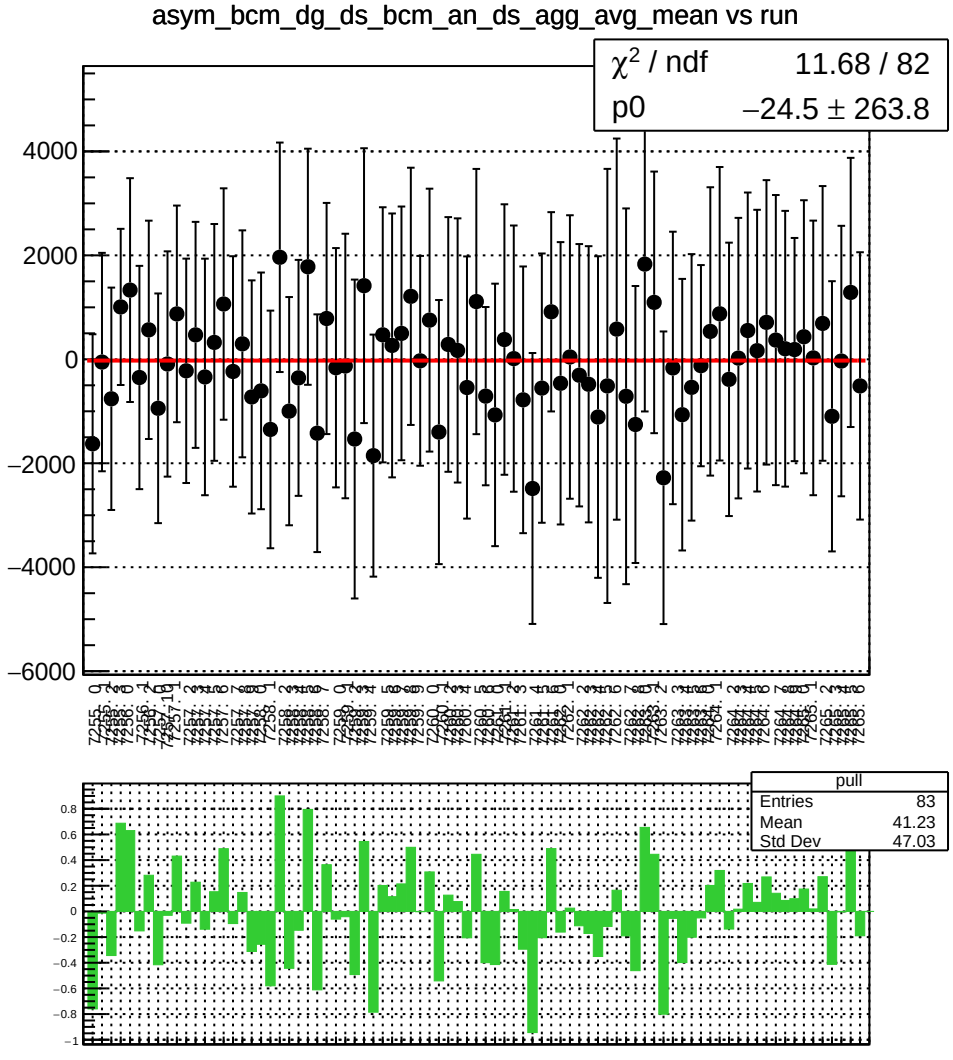

pull1D
Entries 83
Mean −0.009024
Std Dev 0.3807
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

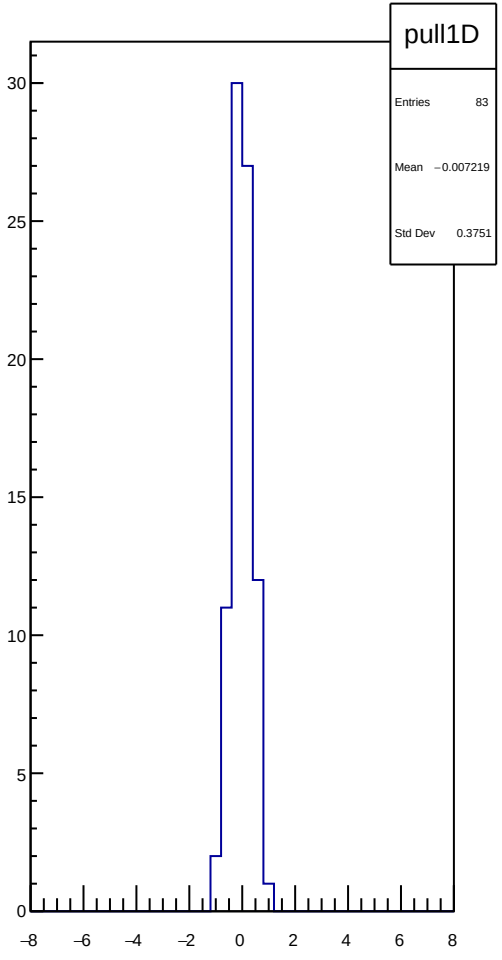

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.154e+04 / 82
p0 233.7 ± 0.186
400
350
300
250
200

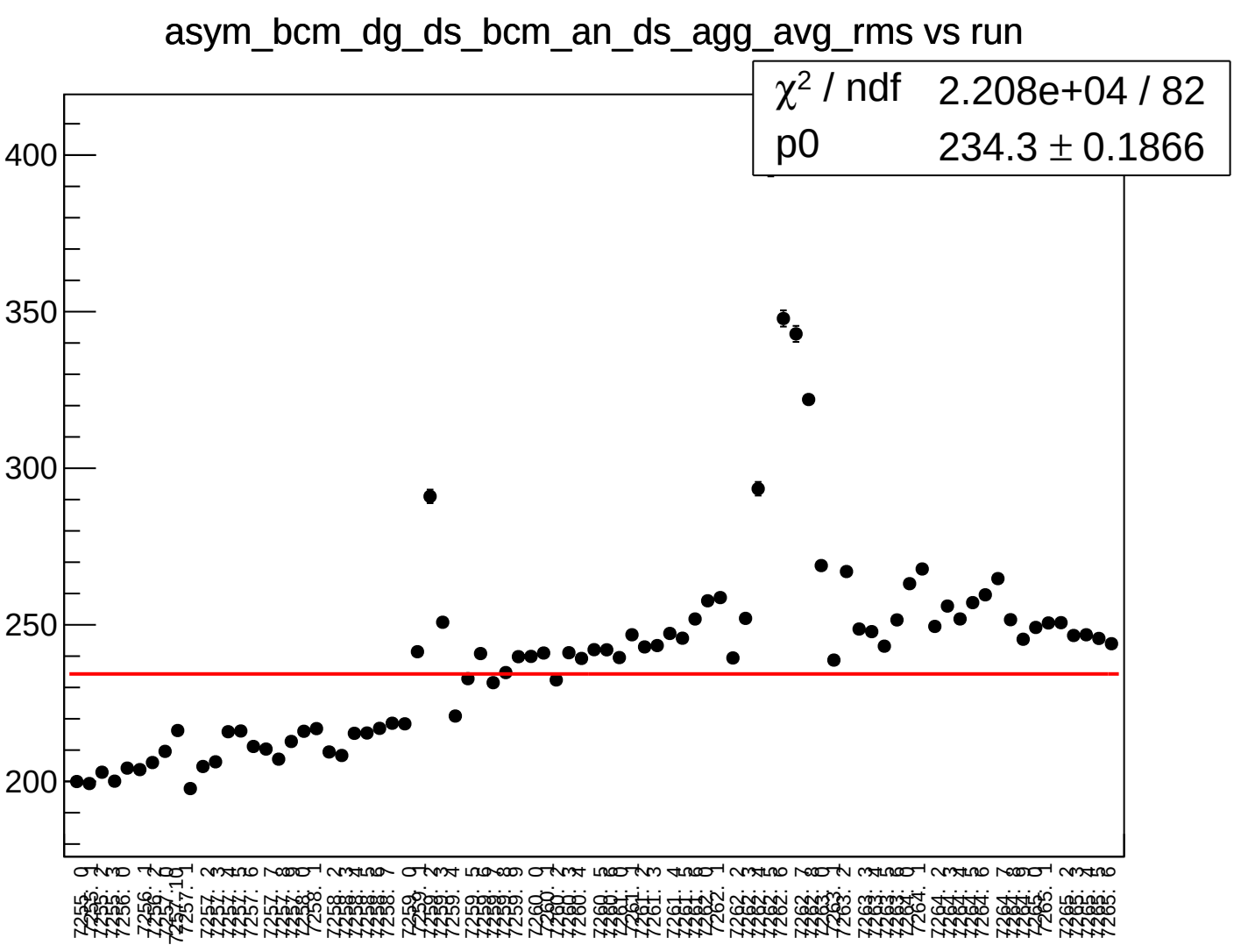

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 89.83 / 82
p0 −10.32 ± 25.49
1000
500
0
−500
−1000
pull
Entries 83
Mean 5874
Std Dev 5841
2
1
0
−1
−2
−3

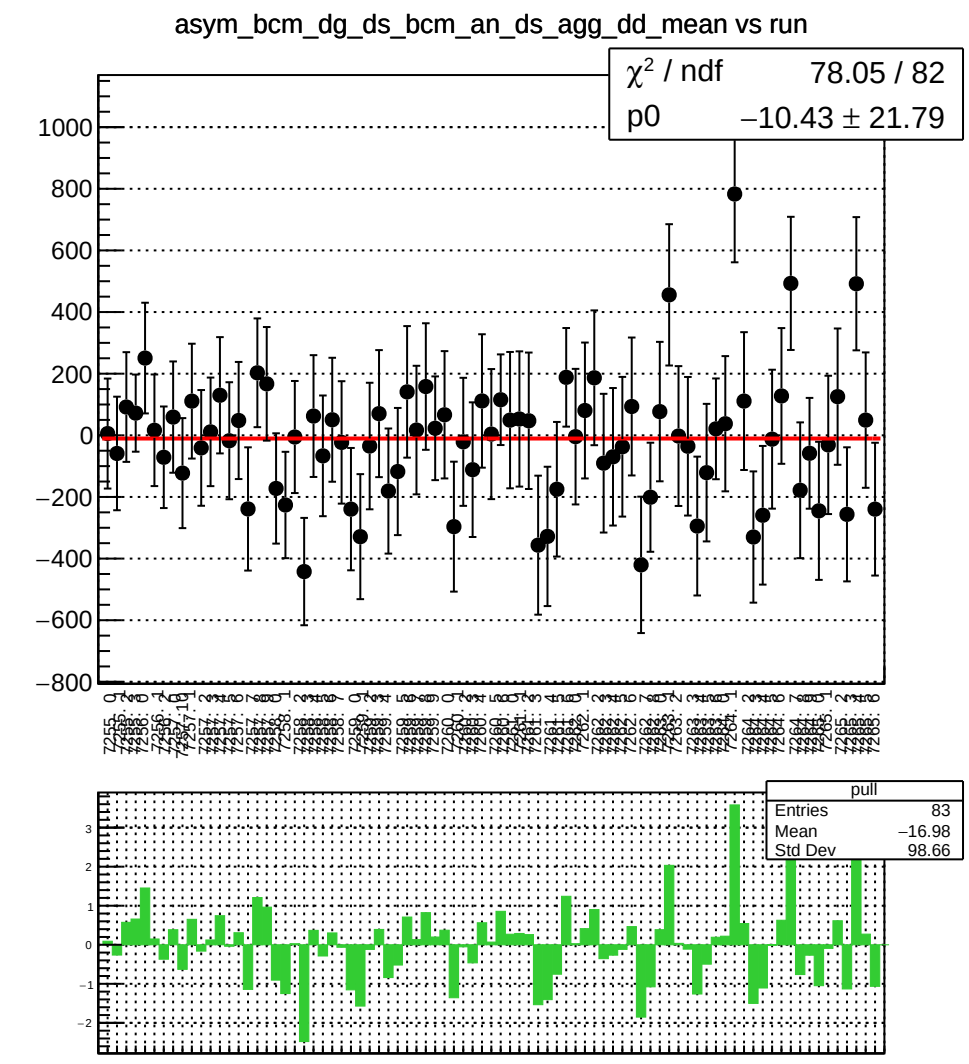

pull1D
Entries 83
Mean −0.0008555
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

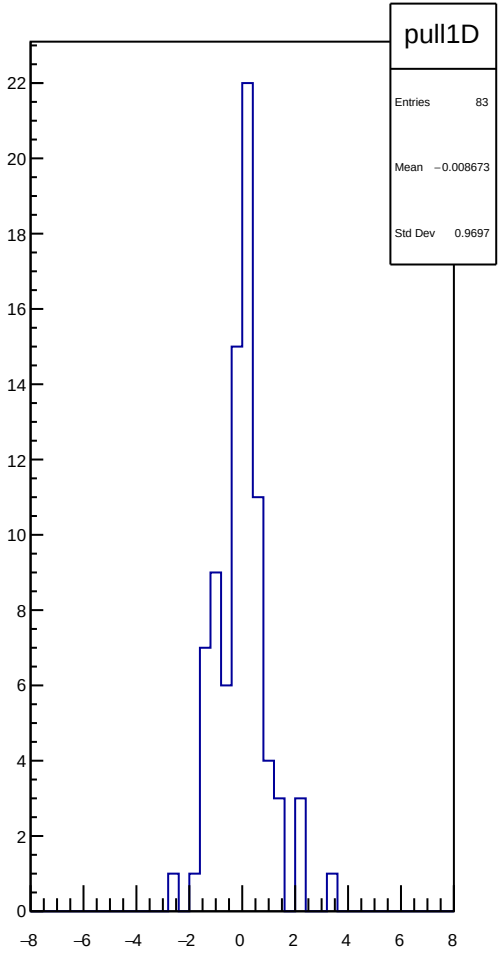

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 777.2 / 82
p0 22.79 ± 0.01802
24.5
24
23.5
23
22.5
22
21.5

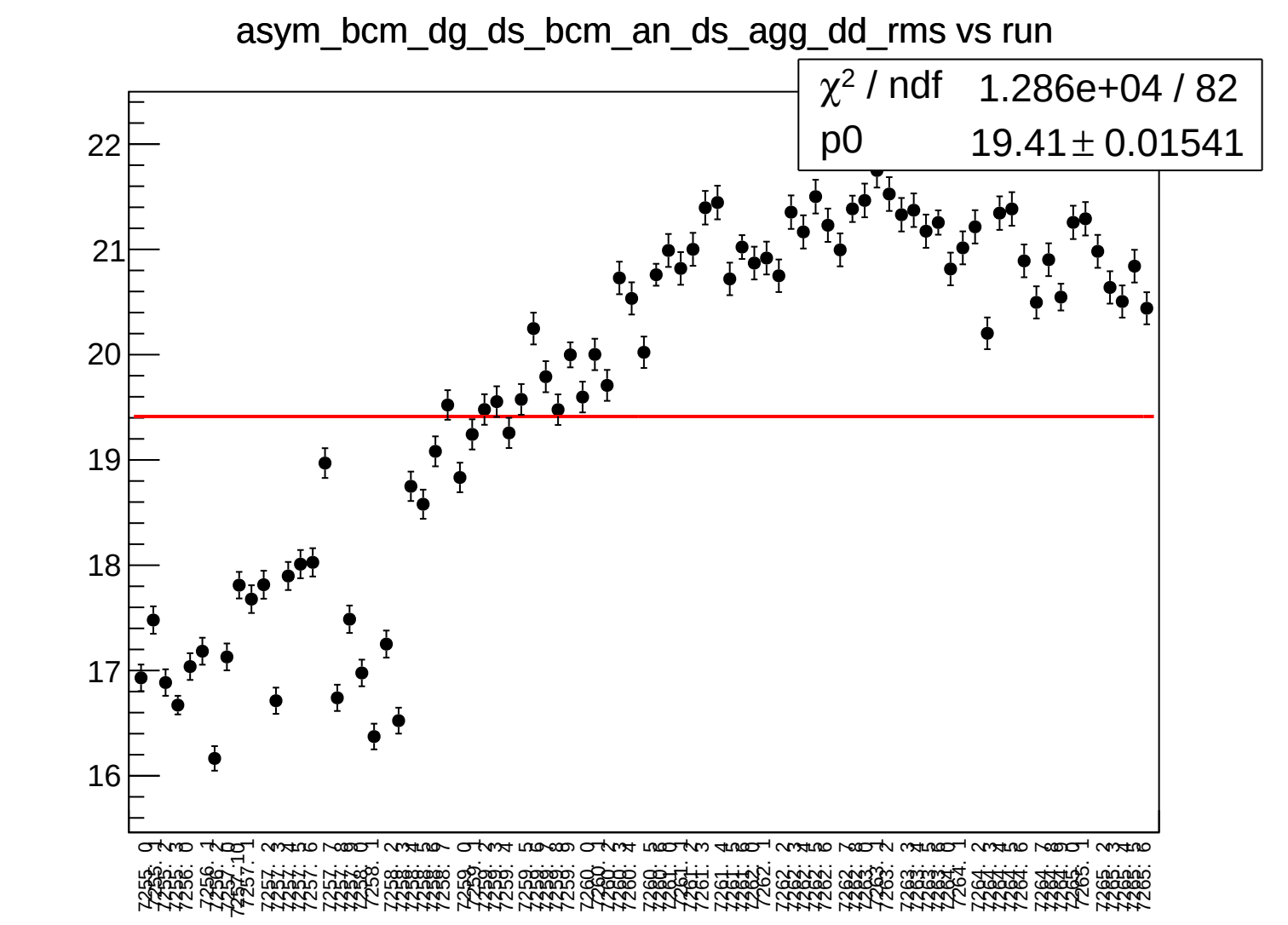

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.68 / 82
p0 −24.5 ± 263.8
pull
Entries 83
Mean 41.23
Std Dev 47.03

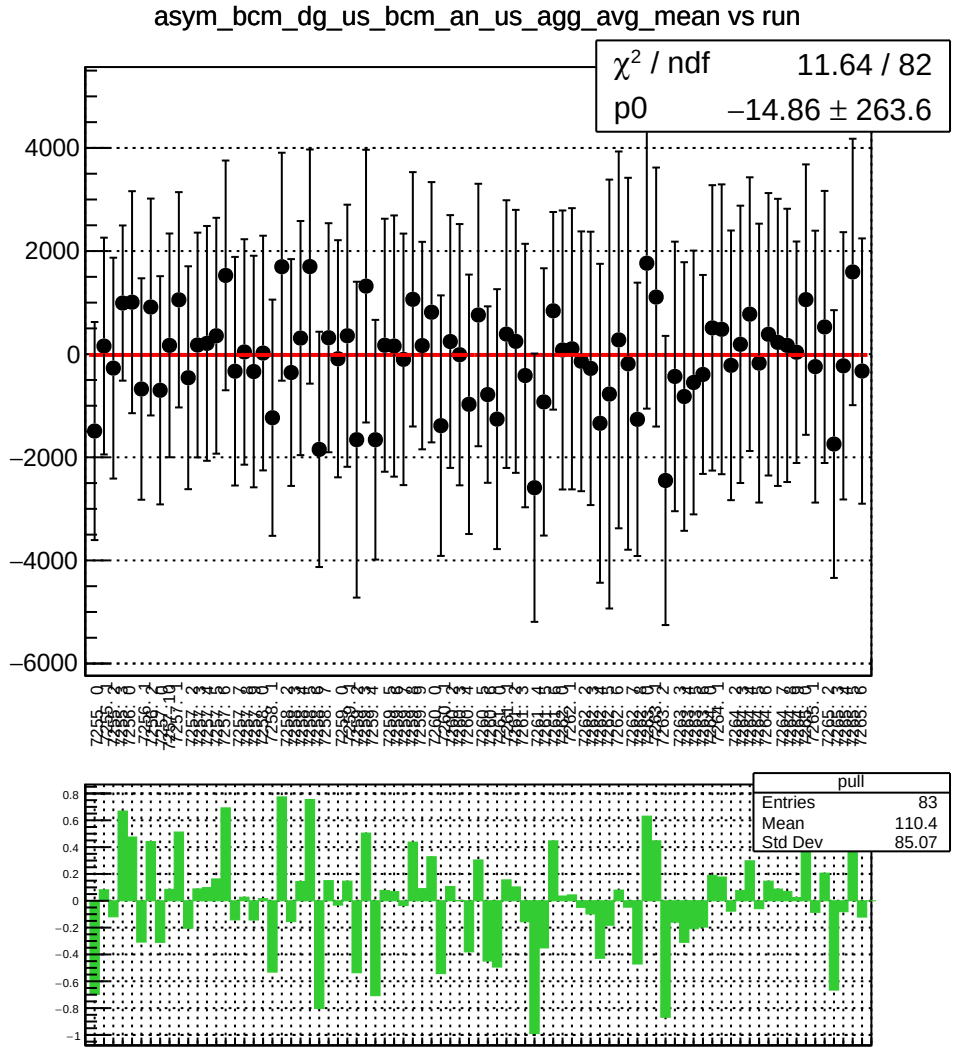

pull1D
Entries 83
Mean −0.007219
Std Dev 0.3751

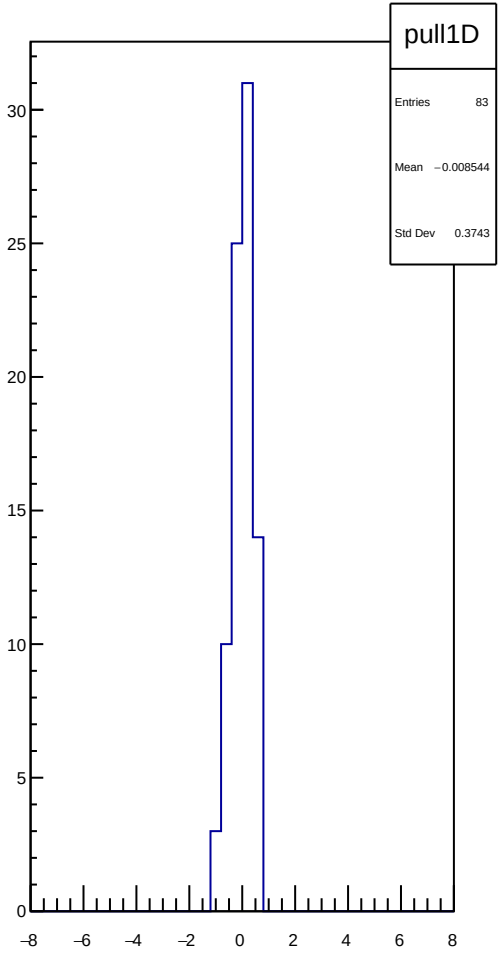

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.208e+04 / 82
p0 234.3 ± 0.1866
400
350
300
250
200

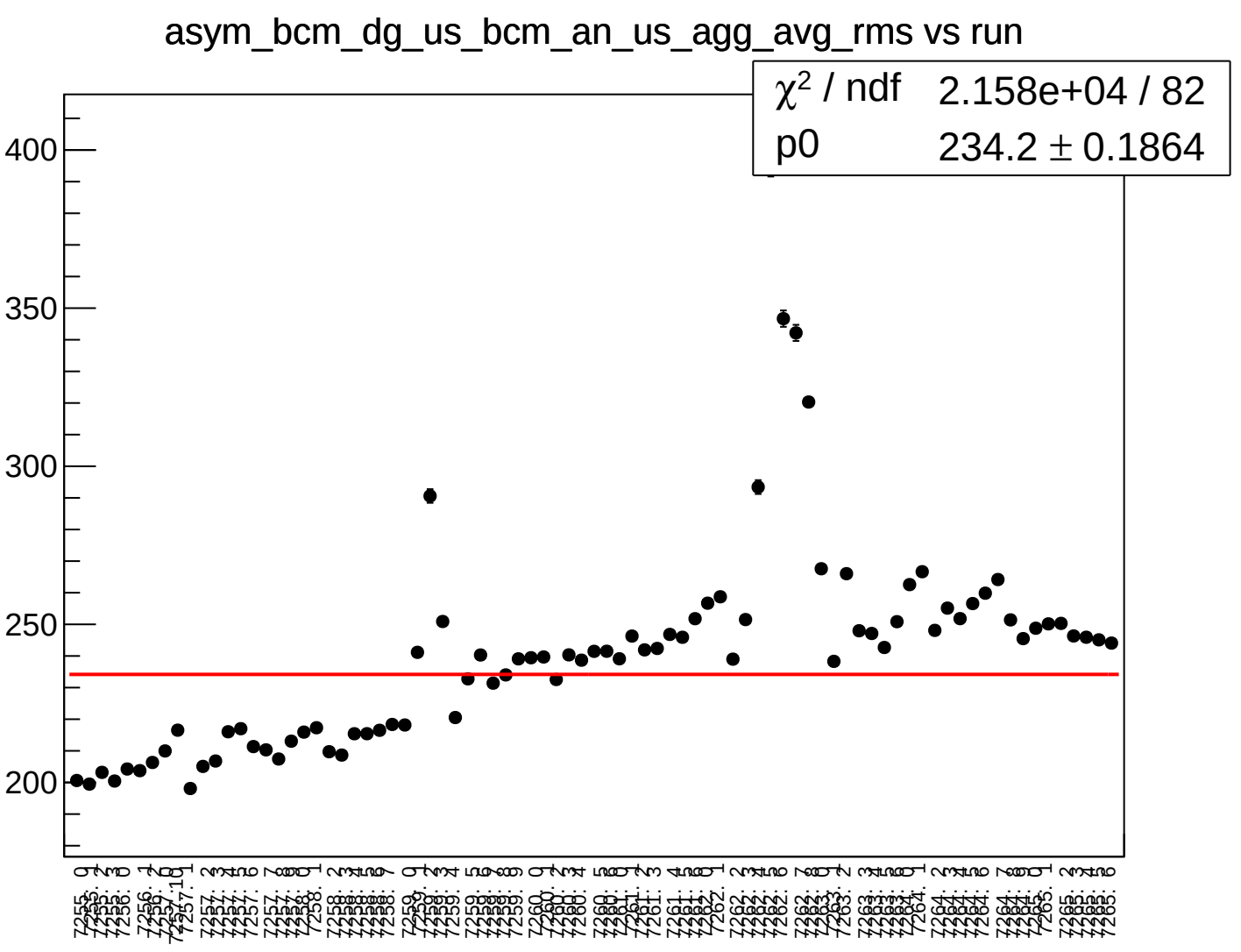

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 78.05 / 82
p0 −10.43 ± 21.79
pull
Entries 83
Mean −16.98
Std Dev 98.66

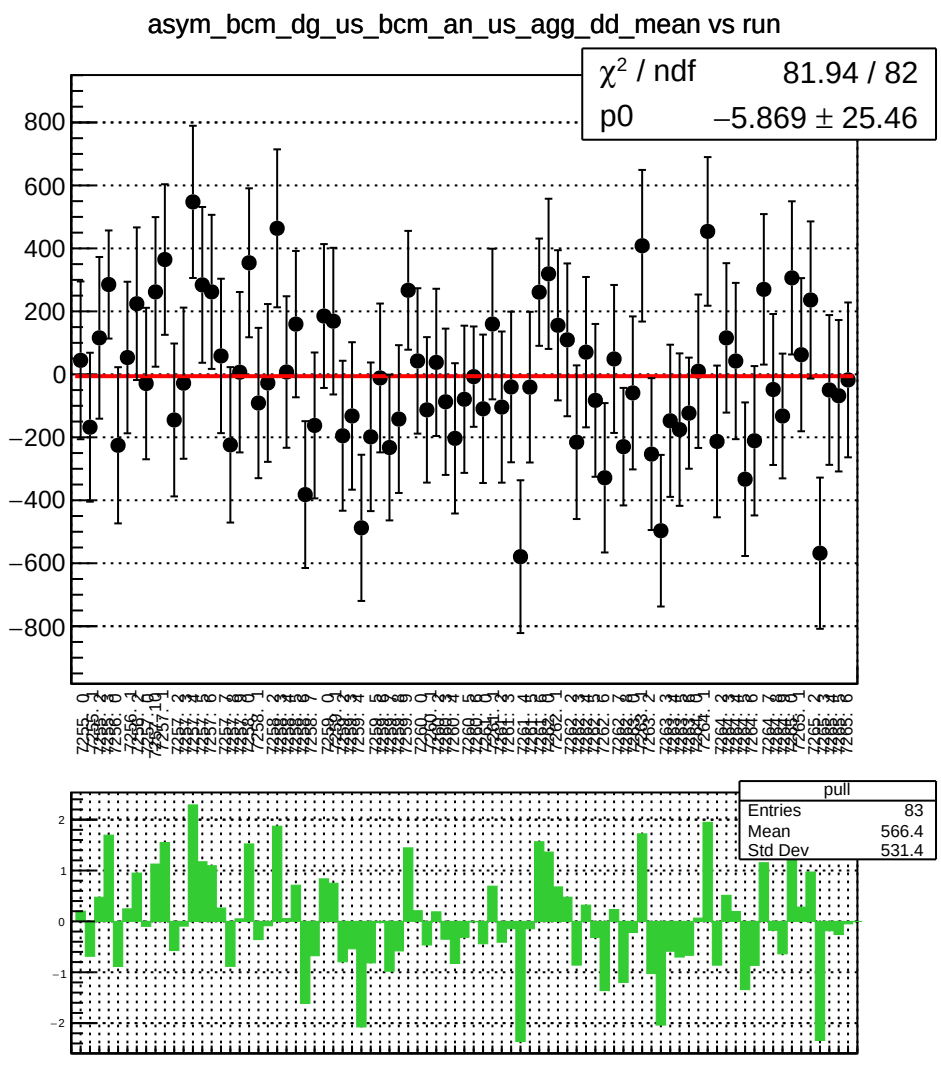

pull1D
Entries 83
Mean −0.008673
Std Dev 0.9697

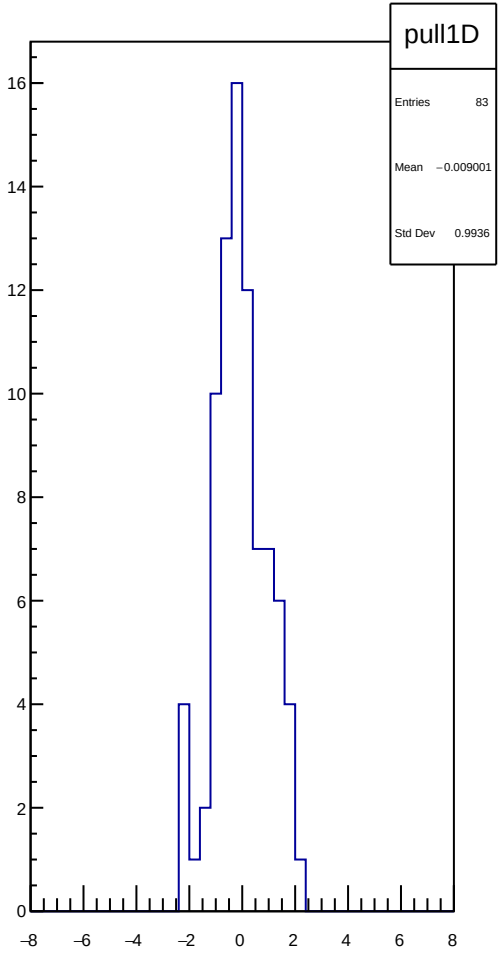

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.286e+04 / 82
p0 19.41 ± 0.01541
22
21
20
19
18
17
16

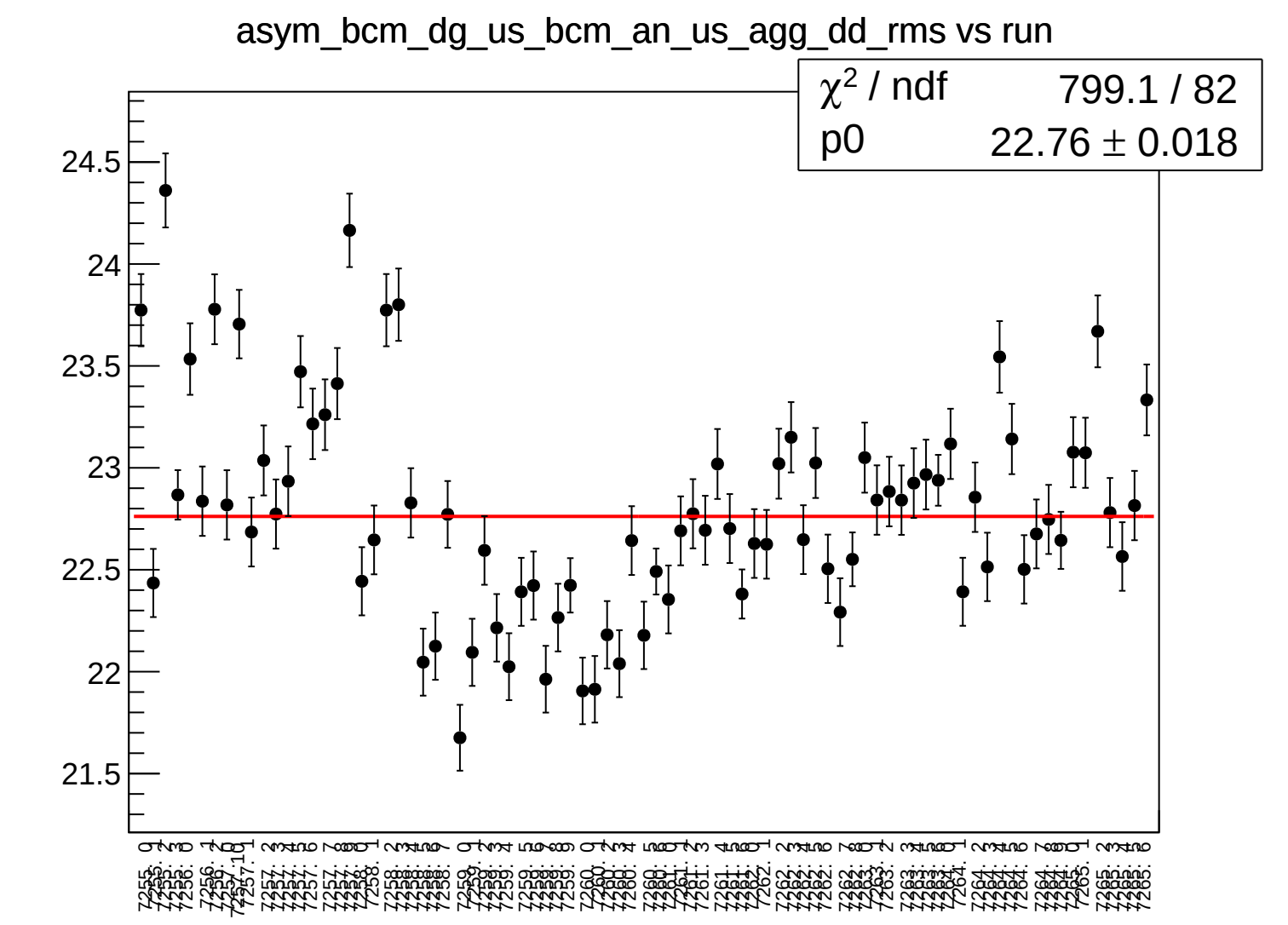

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.64 / 82
p0 −14.86 ± 263.6
pull
Entries 83
Mean 110.4
Std Dev 85.07

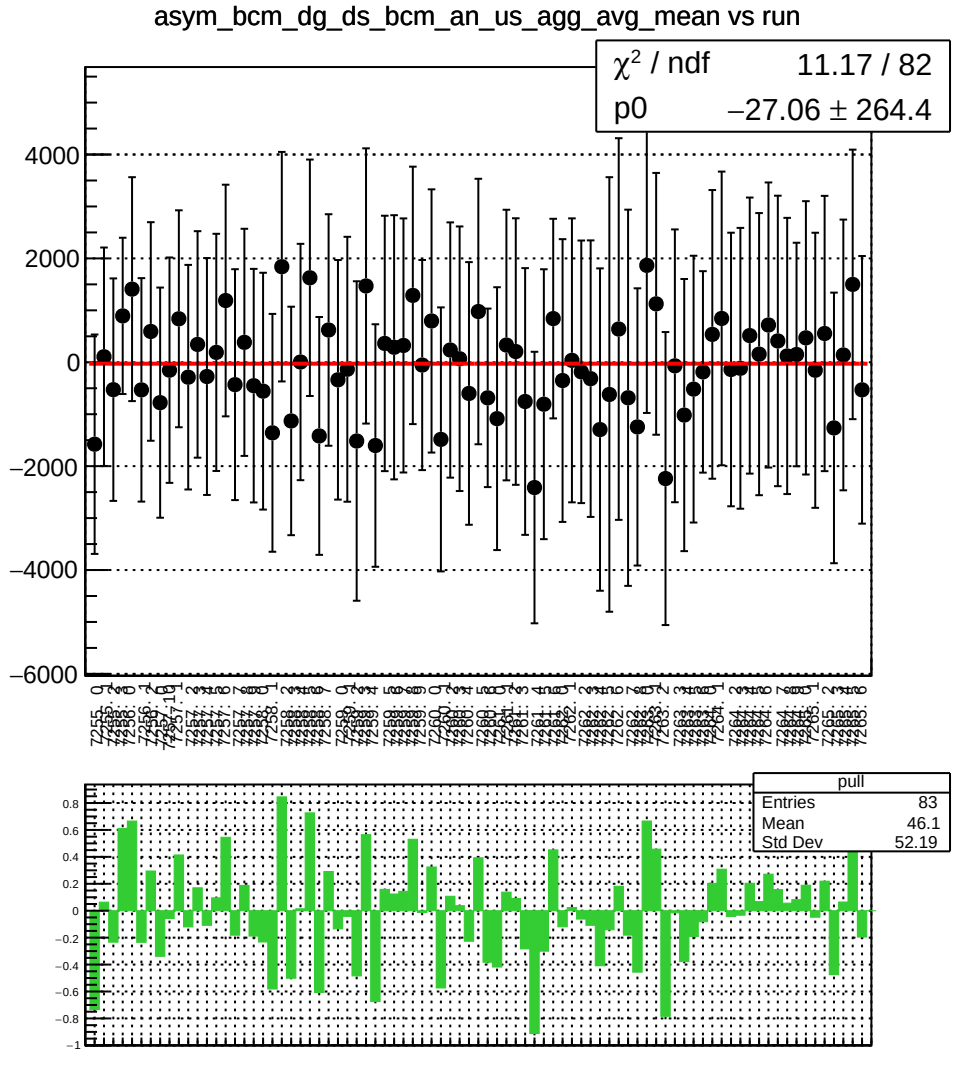

pull1D
Entries 83
Mean −0.008544
Std Dev 0.3743

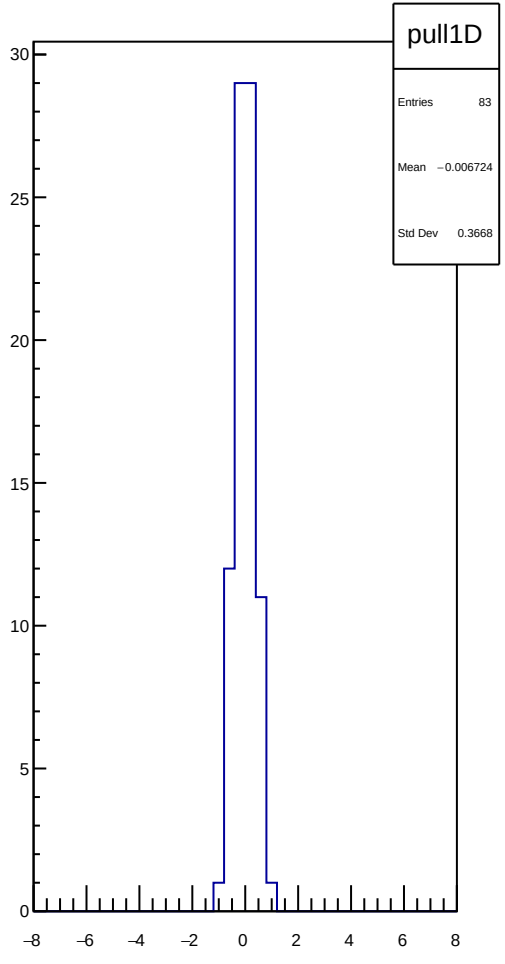

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.158e+04 / 82
p0 234.2 ± 0.1864
400
350
300
250
200

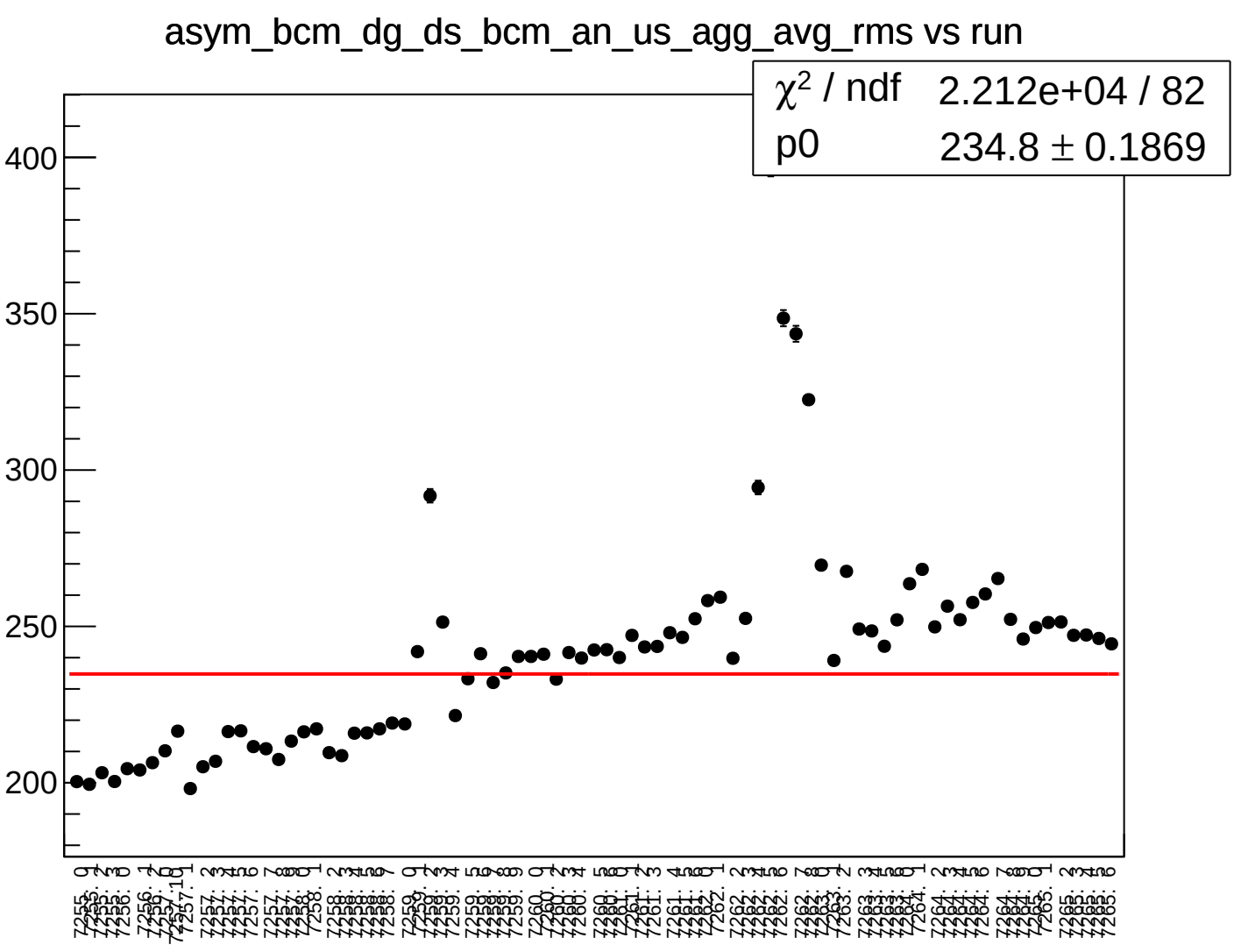

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 81.94 / 82
p0 −5.869 ± 25.46
pull
Entries 83
Mean 566.4
Std Dev 531.4

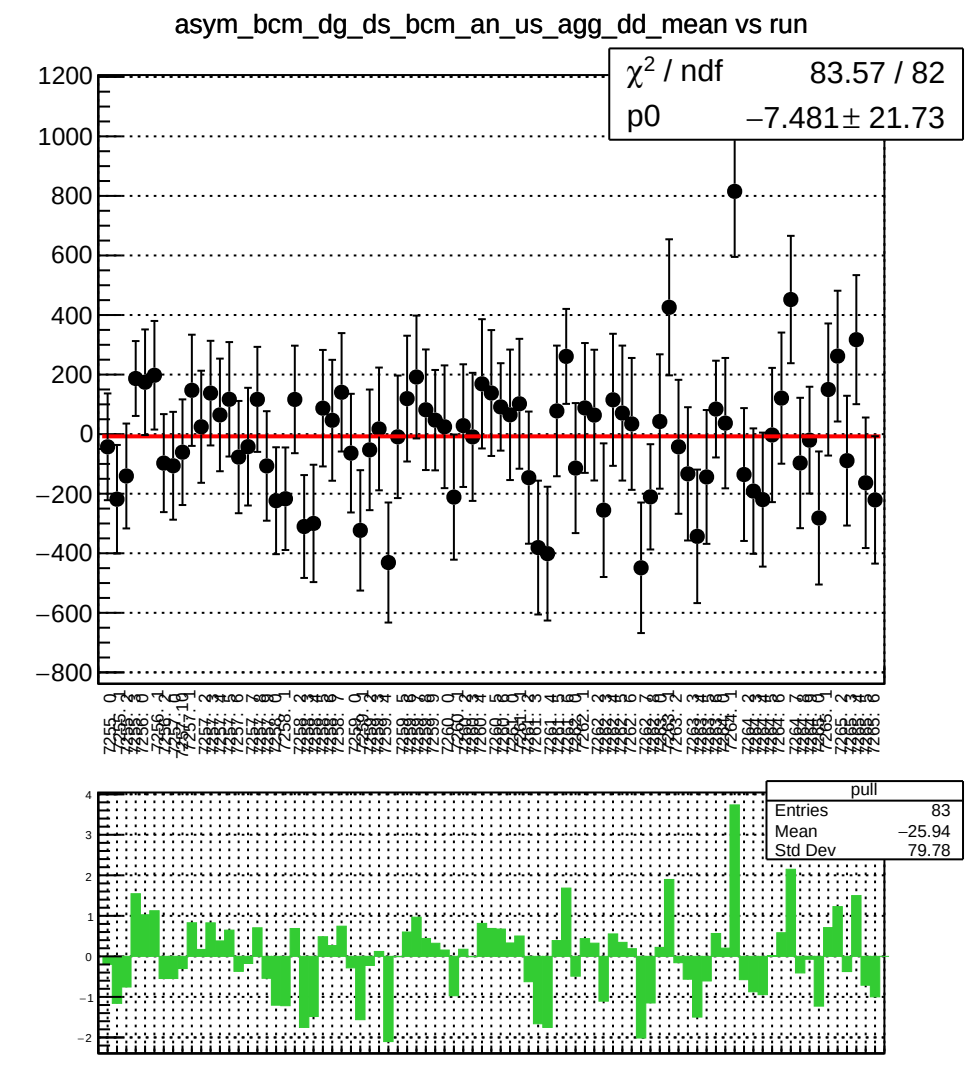

pull1D
Entries 83
Mean −0.009001
Std Dev 0.9936

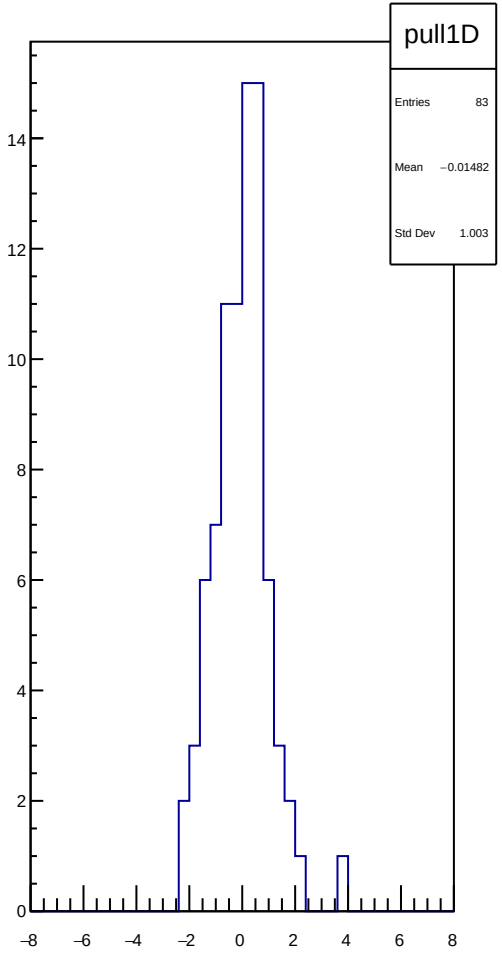

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 799.1 / 82
p0 22.76 ± 0.018
24.5
24
23.5
23
22.5
22
21.5

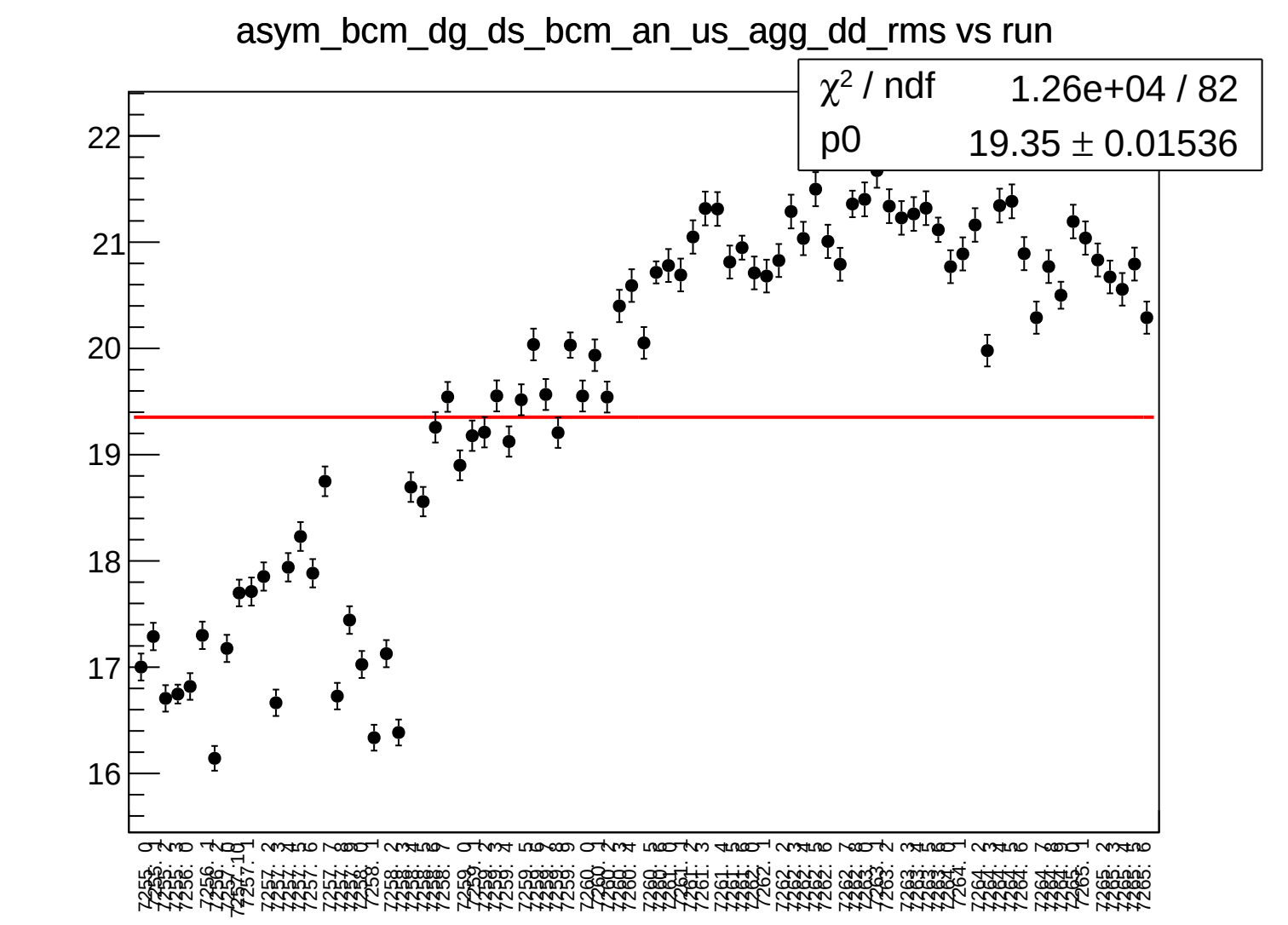

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.17 / 82
p0 −27.06 ± 264.4
pull
Entries 83
Mean 46.1
Std Dev 52.19

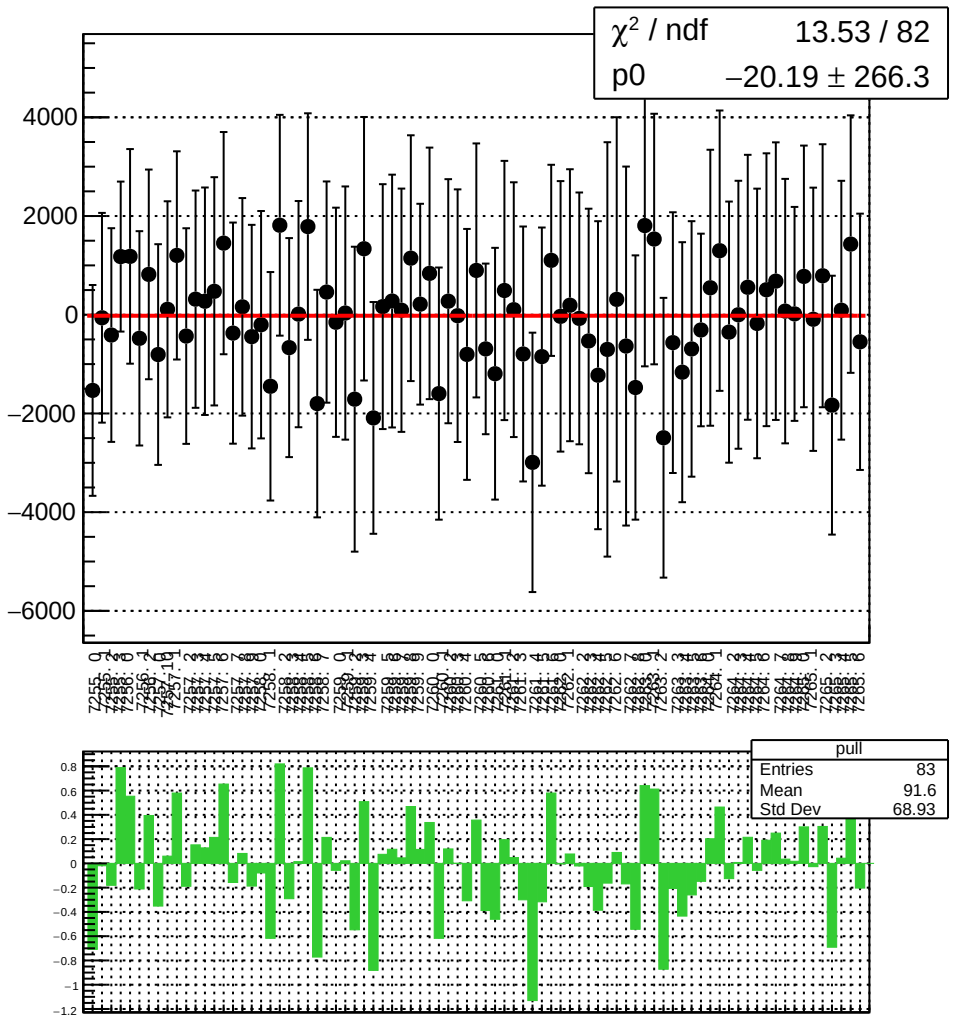

pull1D
Entries 83
Mean −0.006724
Std Dev 0.3668

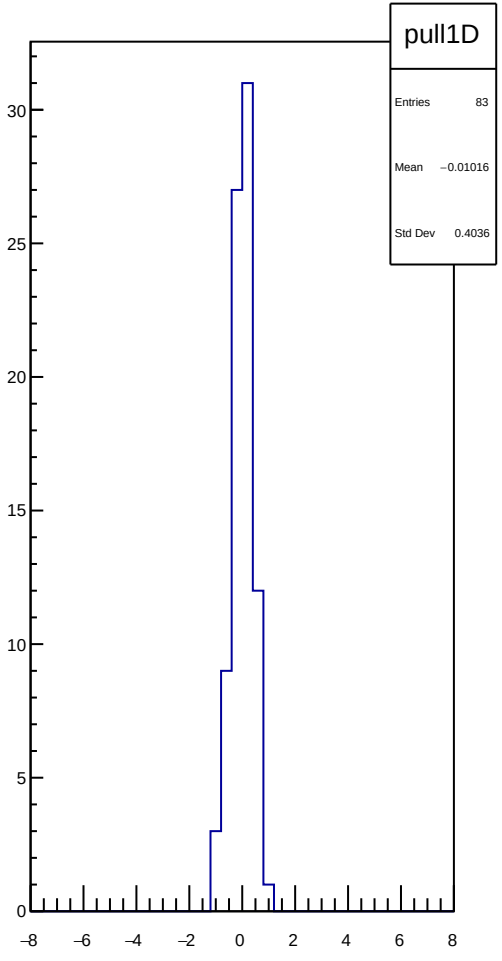

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.212e+04 / 82
p0 234.8 ± 0.1869
400
350
300
250
200

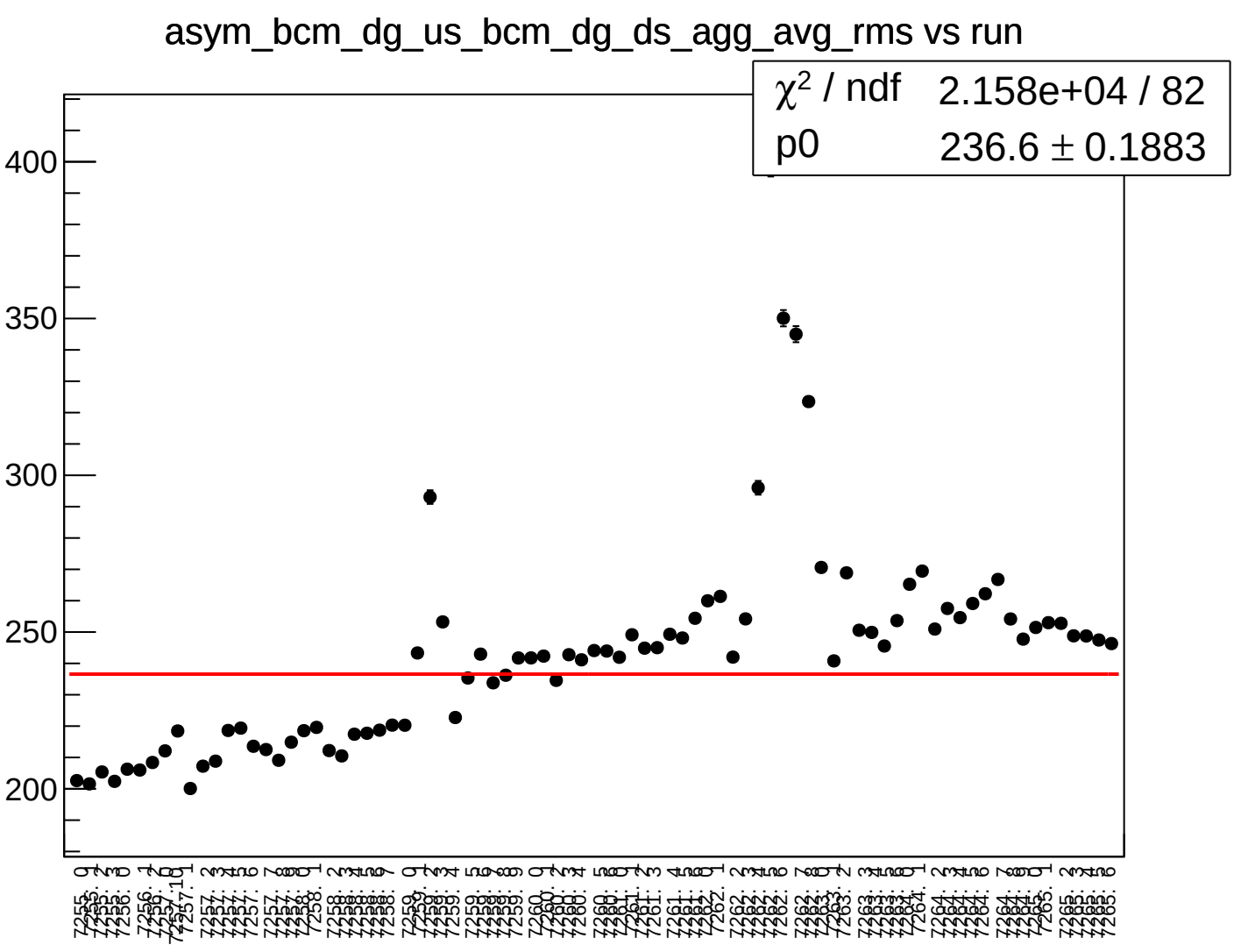

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 83.57 / 82
p0 −7.481 ± 21.73
pull
Entries 83
Mean −25.94
Std Dev 79.78

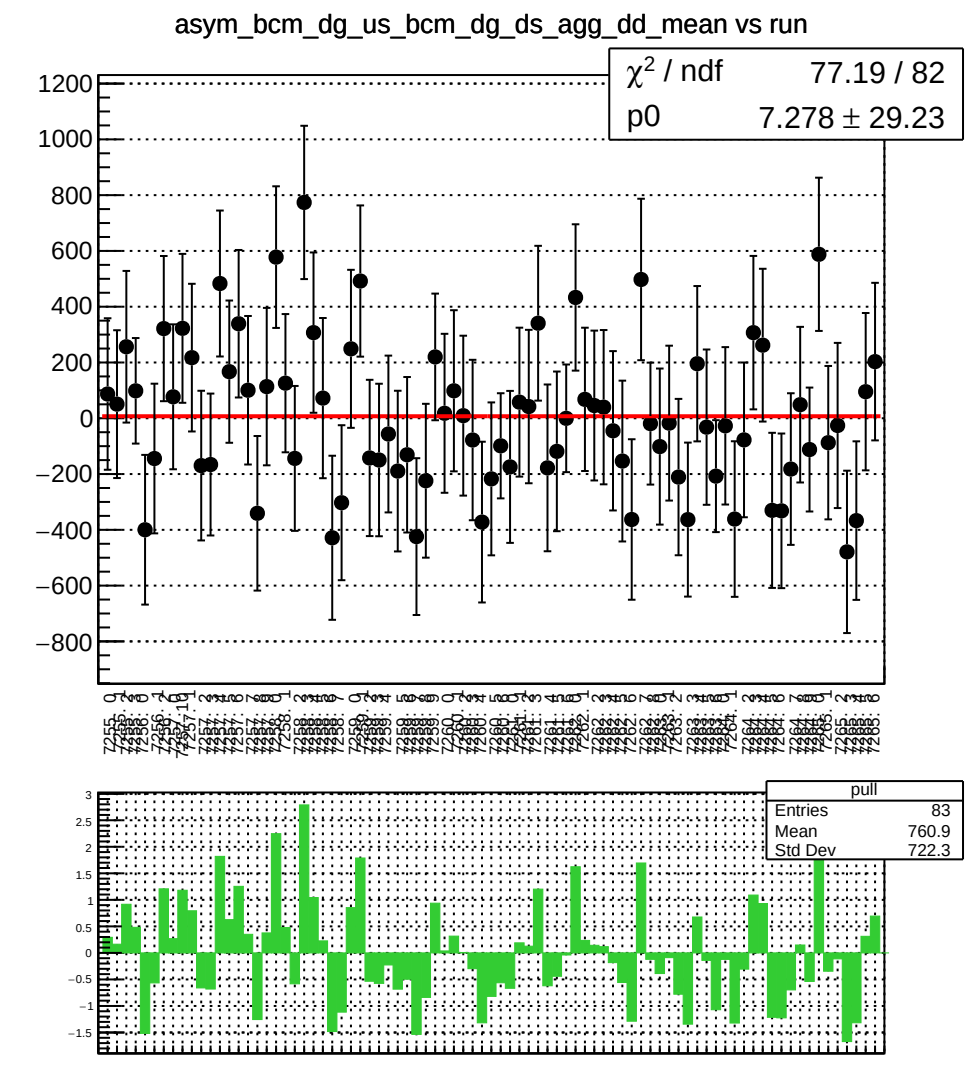

pull1D
Entries 83
Mean −0.01482
Std Dev 1.003

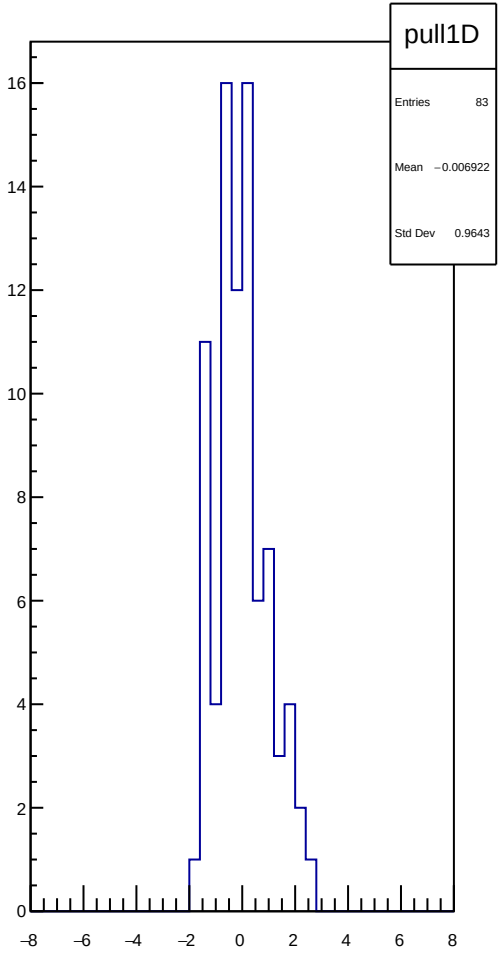

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1.26e+04 / 82
p0 19.35 ± 0.01536
22
21
20
19
18
17
16

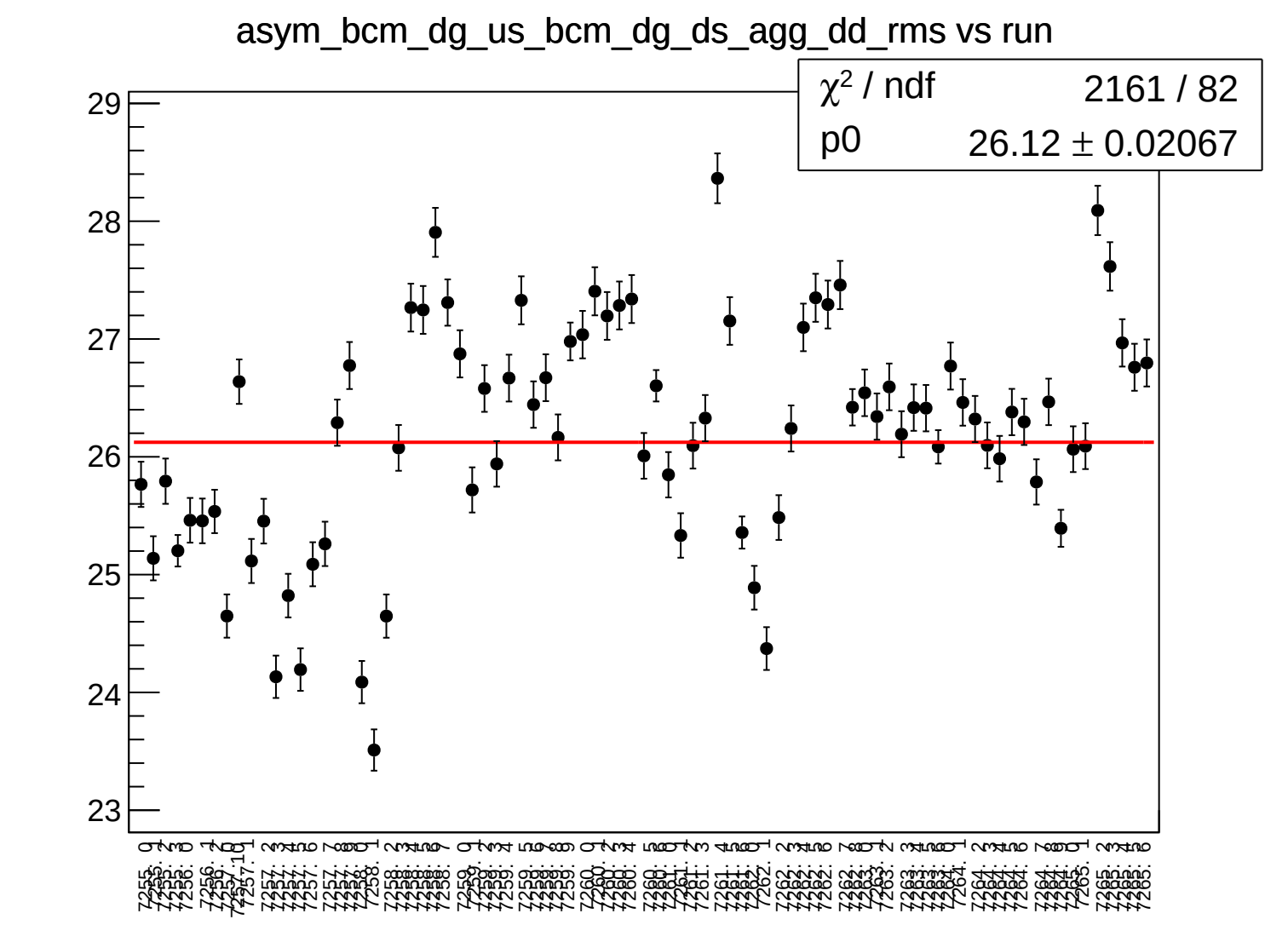

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.53 / 82
p0 −20.19 ± 266.3
pull
Entries 83
Mean 91.6
Std Dev 68.93

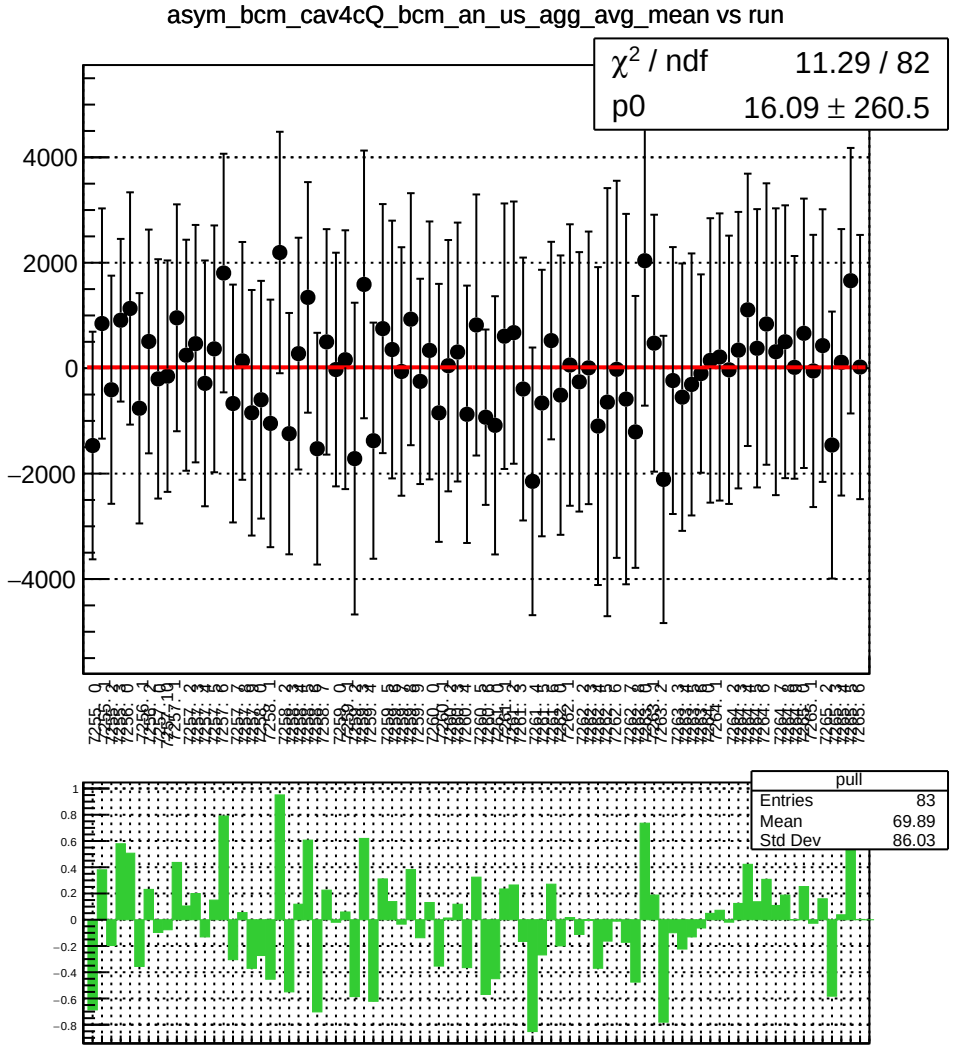

pull1D
Entries 83
Mean −0.01016
Std Dev 0.4036

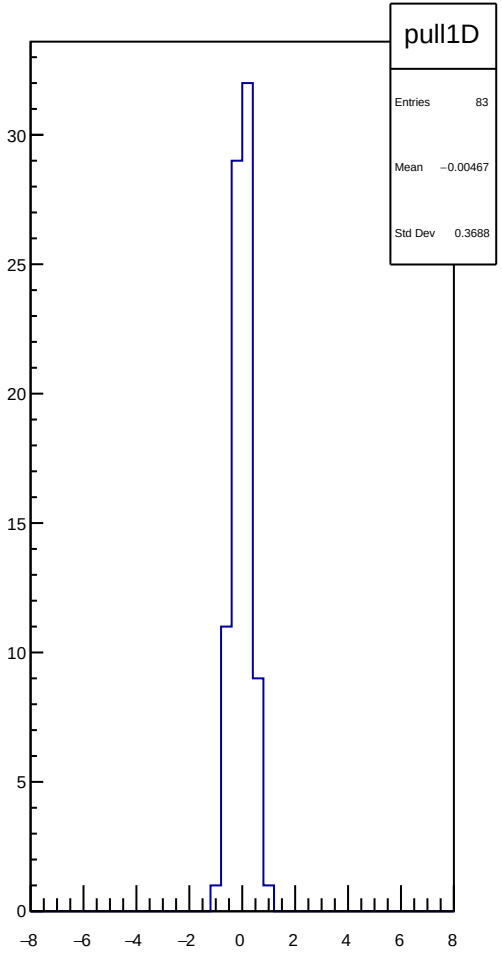

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.158e+04 / 82
p0 236.6 ± 0.1883
400
350
300
250
200

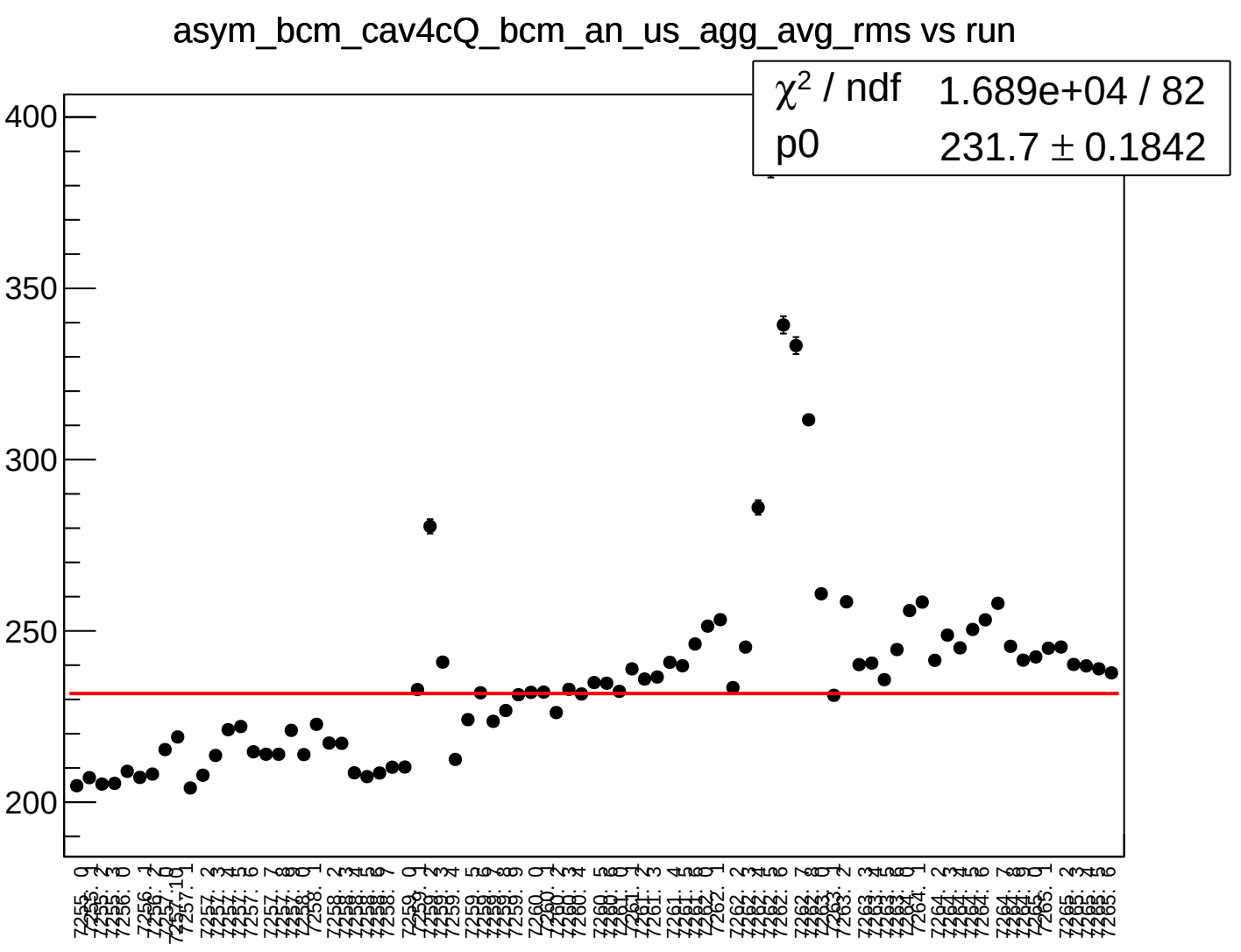

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 77.19 / 82
p0 7.278 ± 29.23
pull
Entries 83
Mean 760.9
Std Dev 722.3

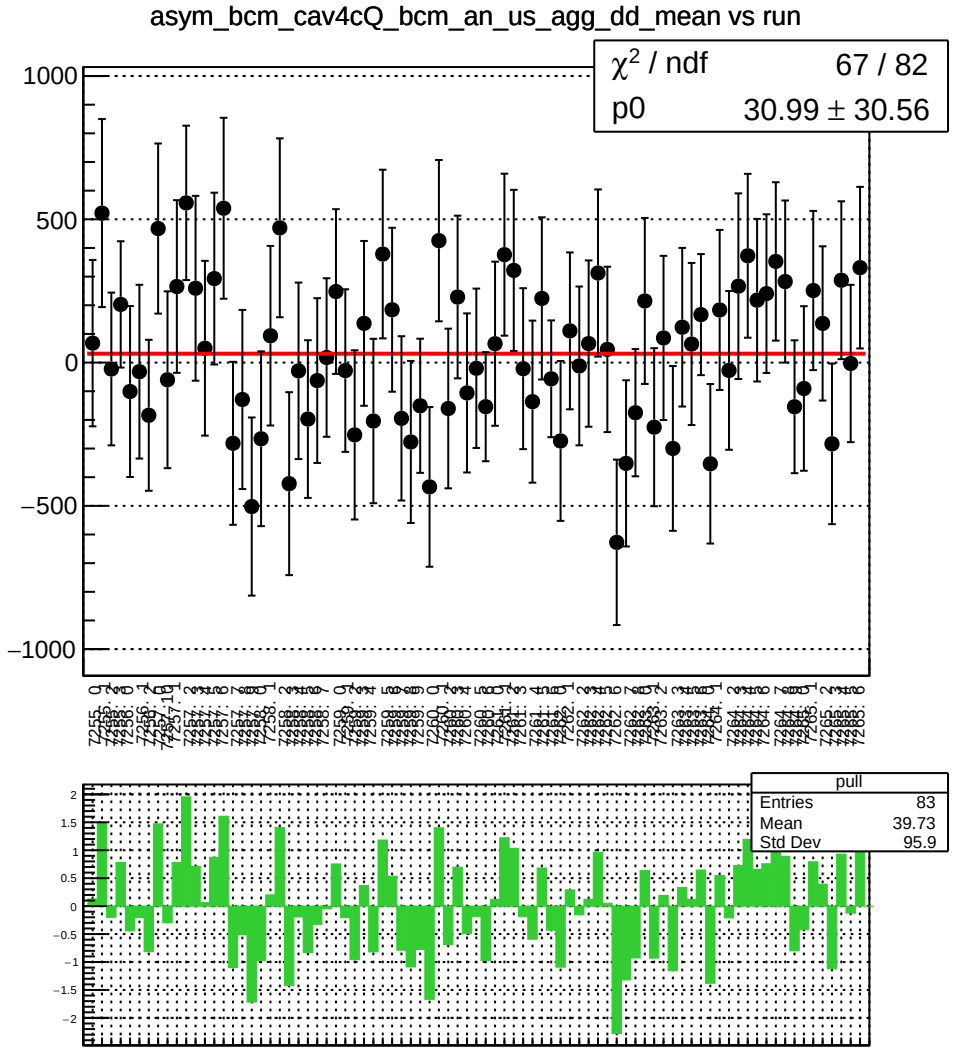

pull1D
Entries 83
Mean −0.006922
Std Dev 0.9643

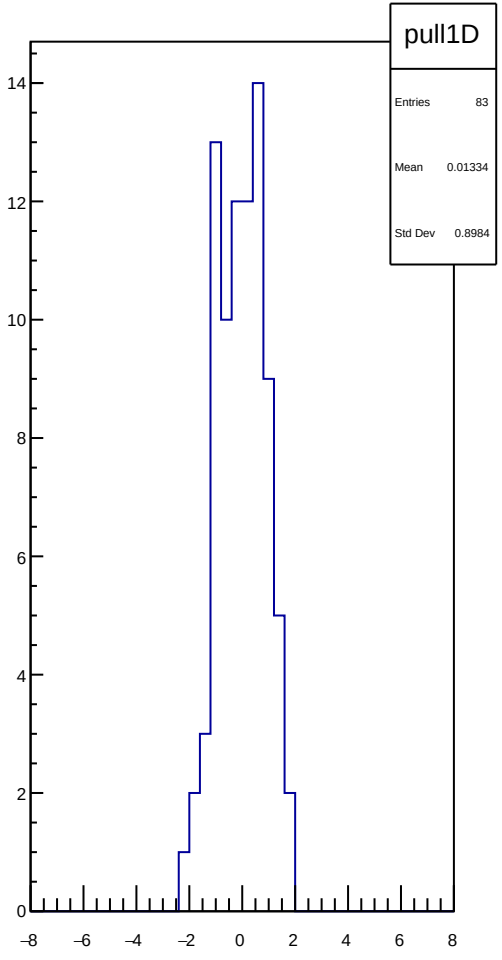

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2161 / 82
p0 26.12 ± 0.02067
29
28
27
26
25
24
23

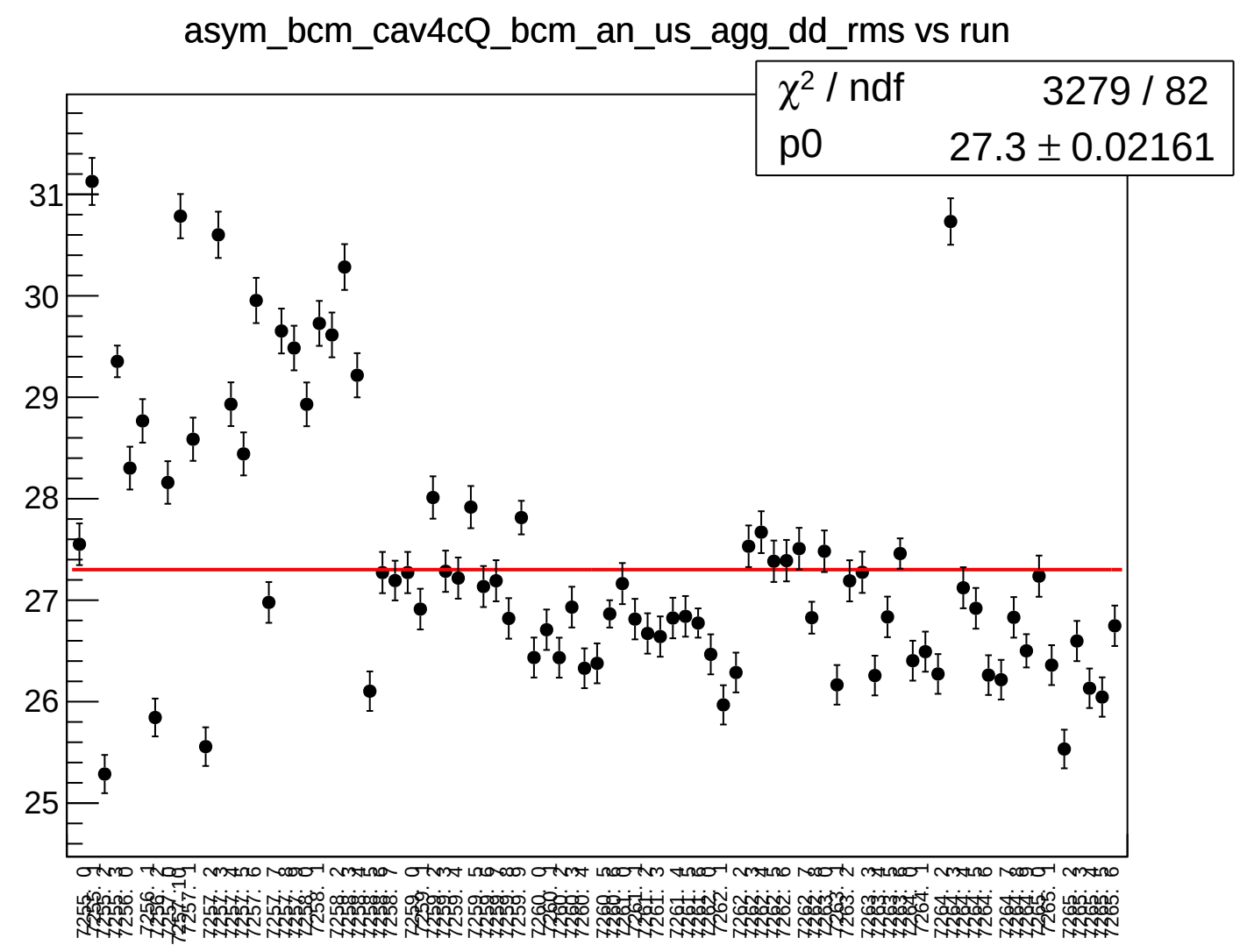

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.29 / 82
p0 16.09 ± 260.5
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 69.89
Std Dev 86.03
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

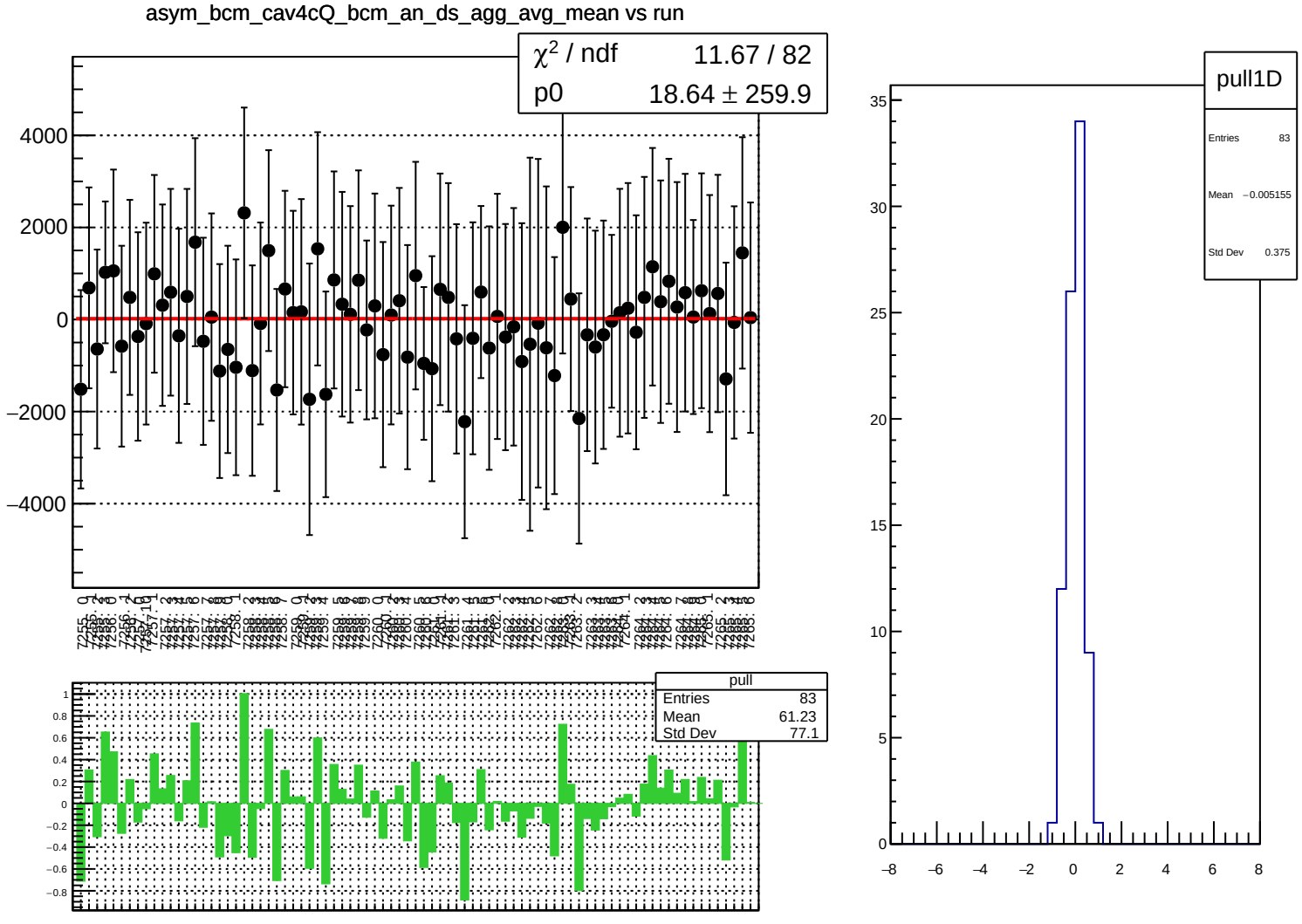

pull1D
Entries 83
Mean −0.00467
Std Dev 0.3688
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

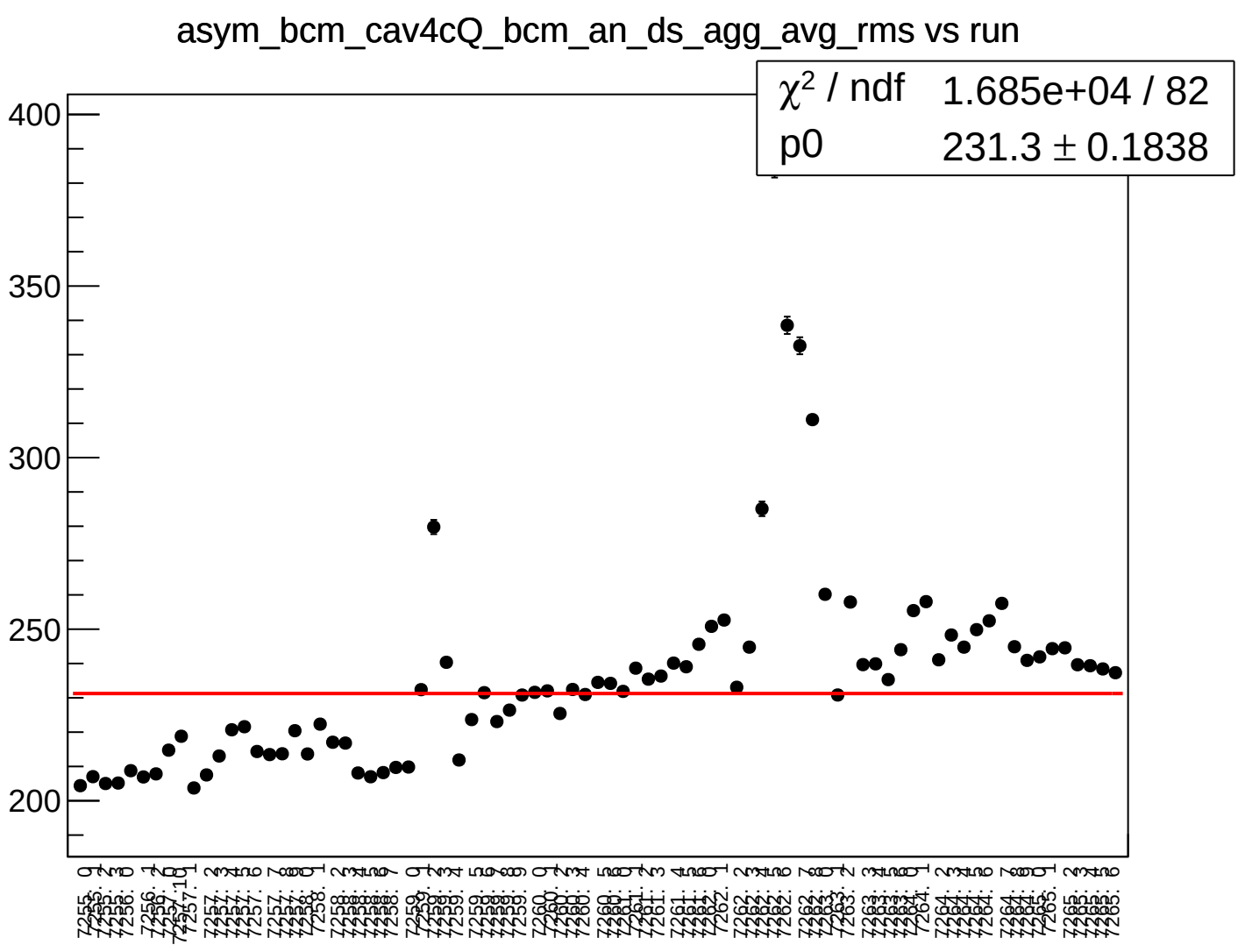

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.689e+04 / 82
p0 231.7 ± 0.1842
400
350
300
250
200

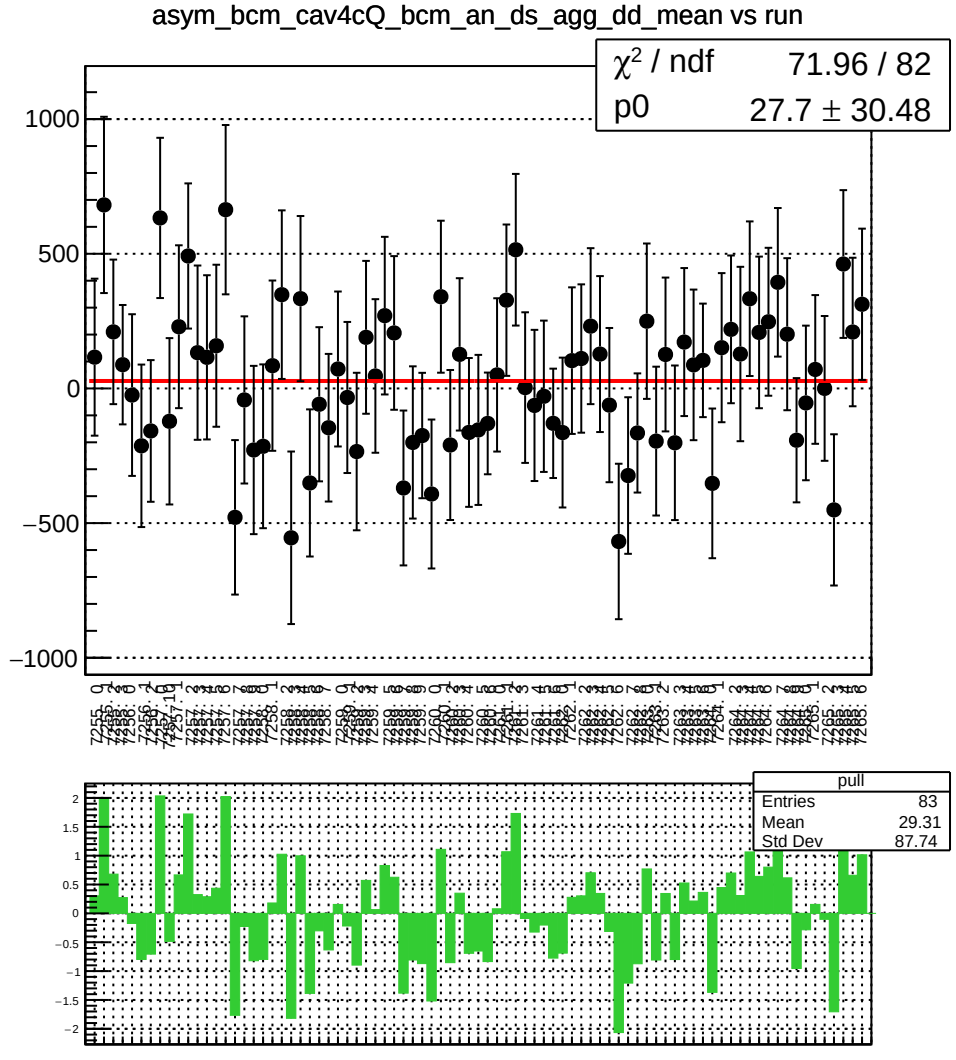

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 67 / 82
p0 30.99 ± 30.56
pull
Entries 83
Mean 39.73
Std Dev 95.9

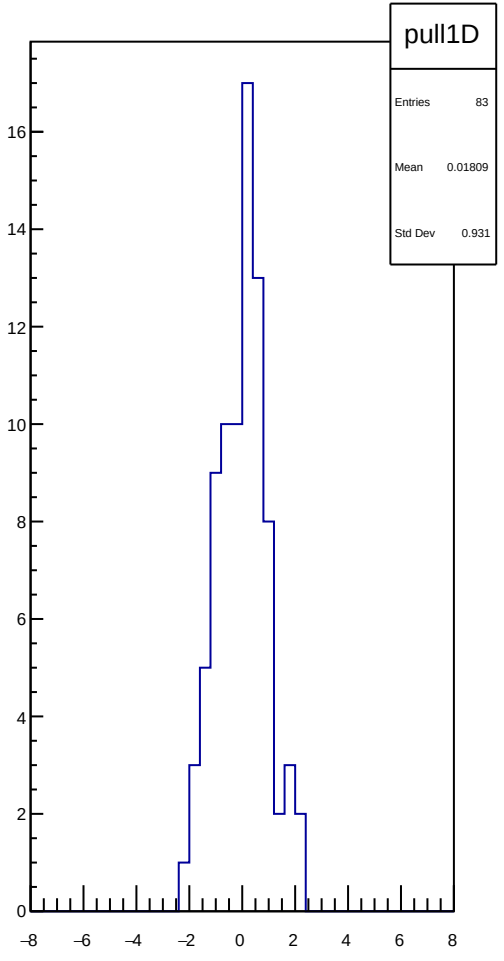

pull1D
Entries 83
Mean 0.01334
Std Dev 0.8984

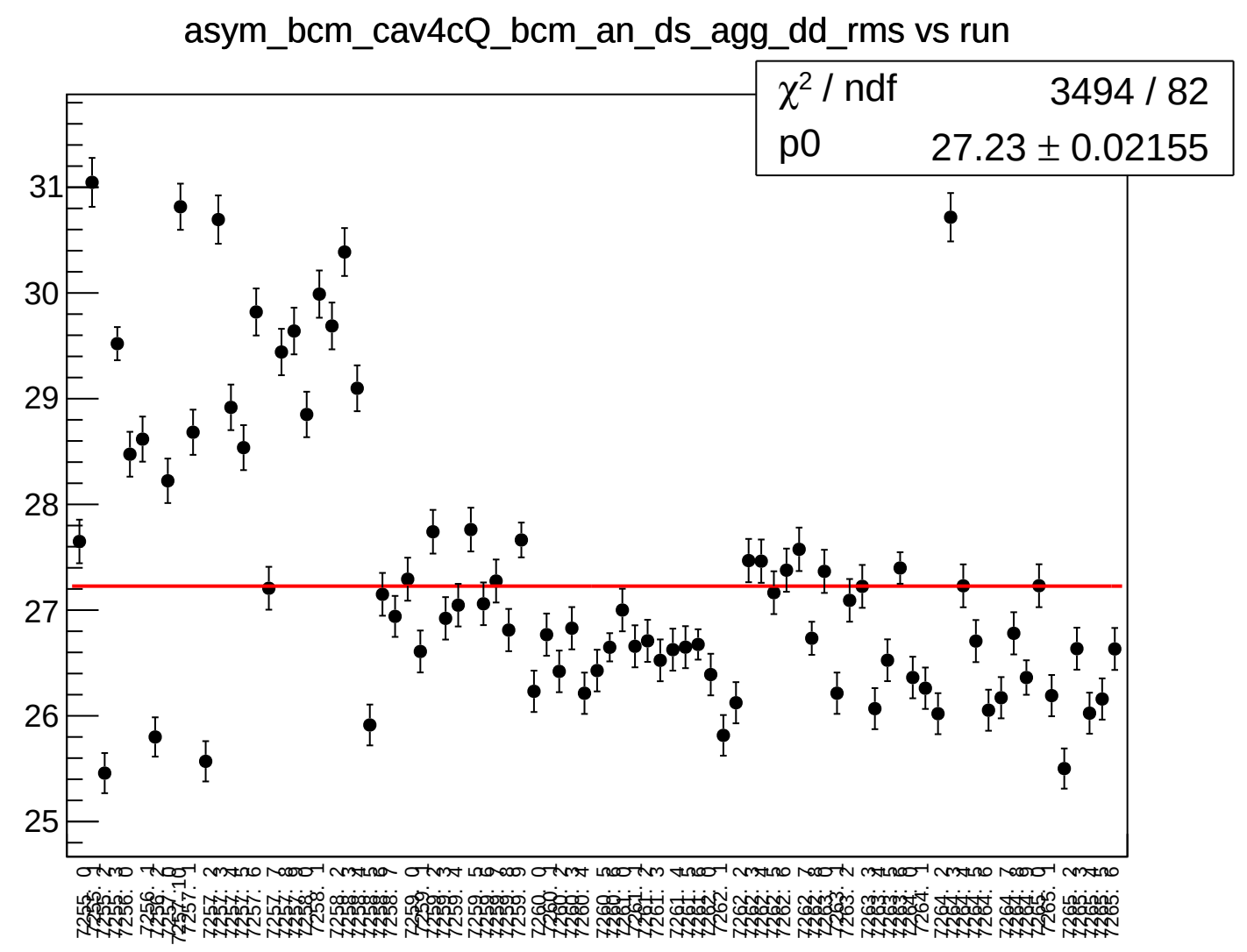

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3279 / 82
p0 27.3 ± 0.02161
31
30
29
28
27
26
25

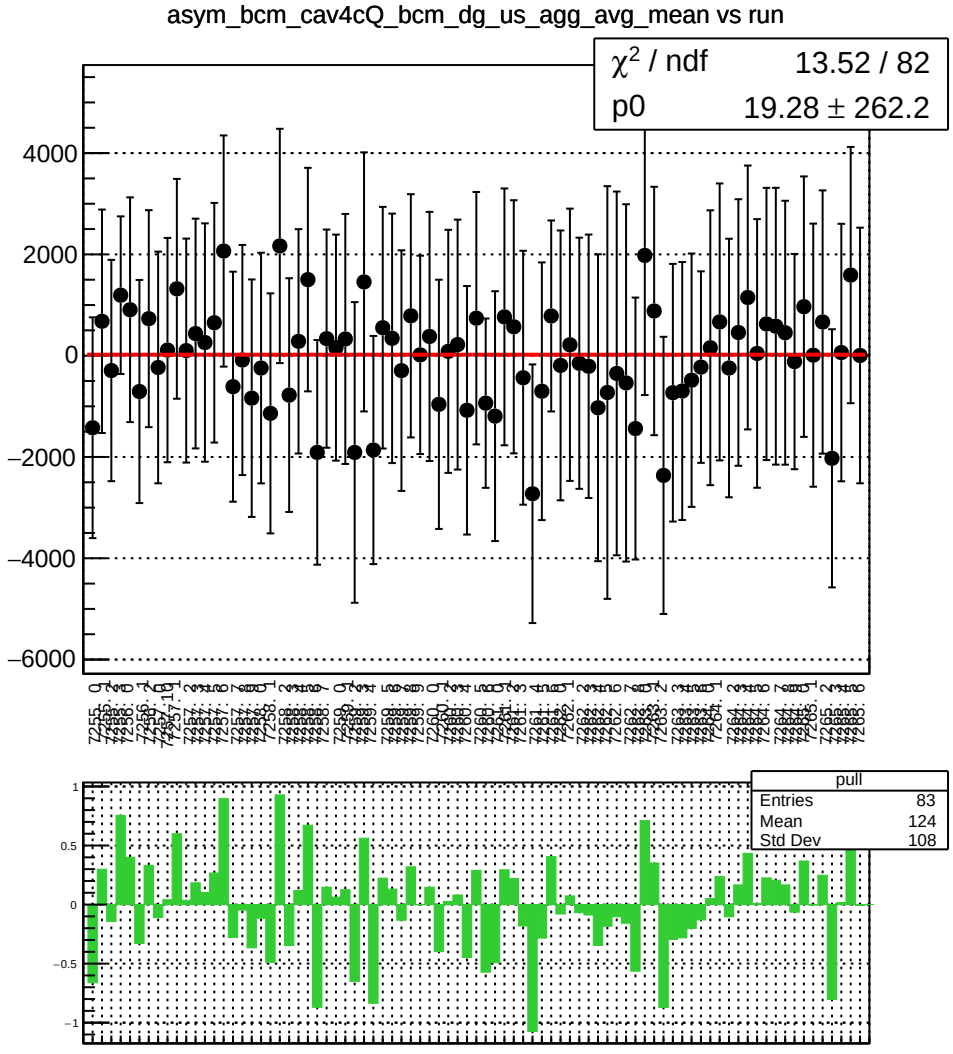

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.67 / 82
p0 18.64 ± 259.9
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 61.23
Std Dev 77.1
pull1D
Entries 83
Mean −0.005155
Std Dev 0.375
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

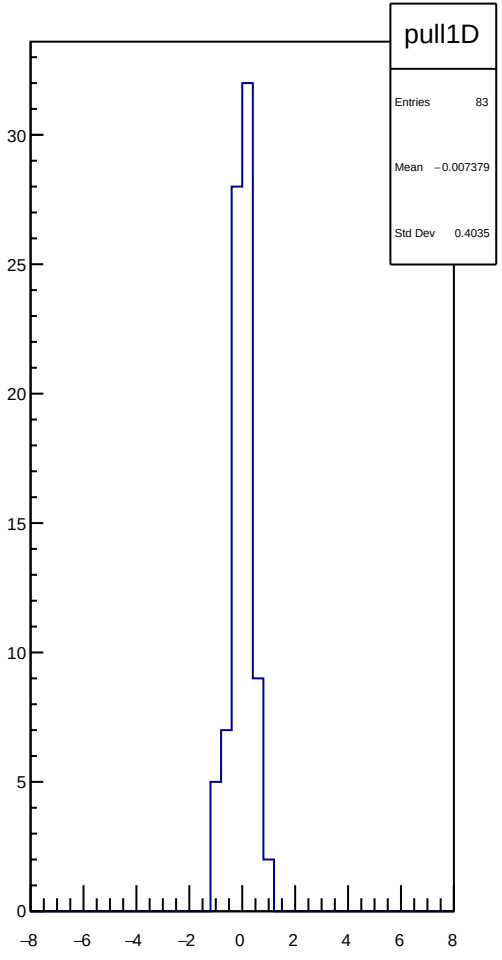

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.685e+04 / 82
p0 231.3 ± 0.1838
400
350
300
250
200

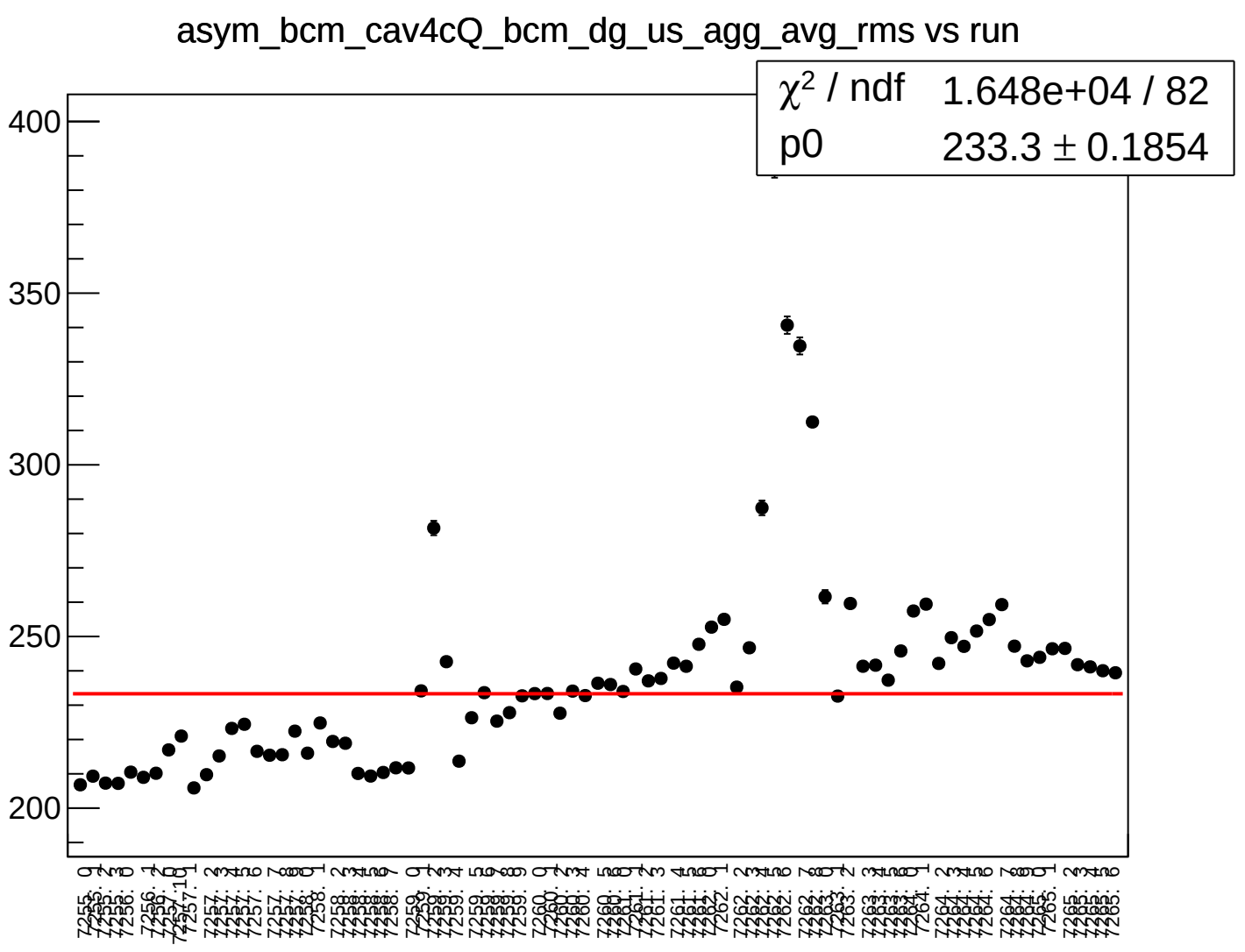

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 71.96 / 82
p0 27.7 ± 30.48
1000
500
0
−500
−1000
pull
Entries 83
Mean 29.31
Std Dev 87.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

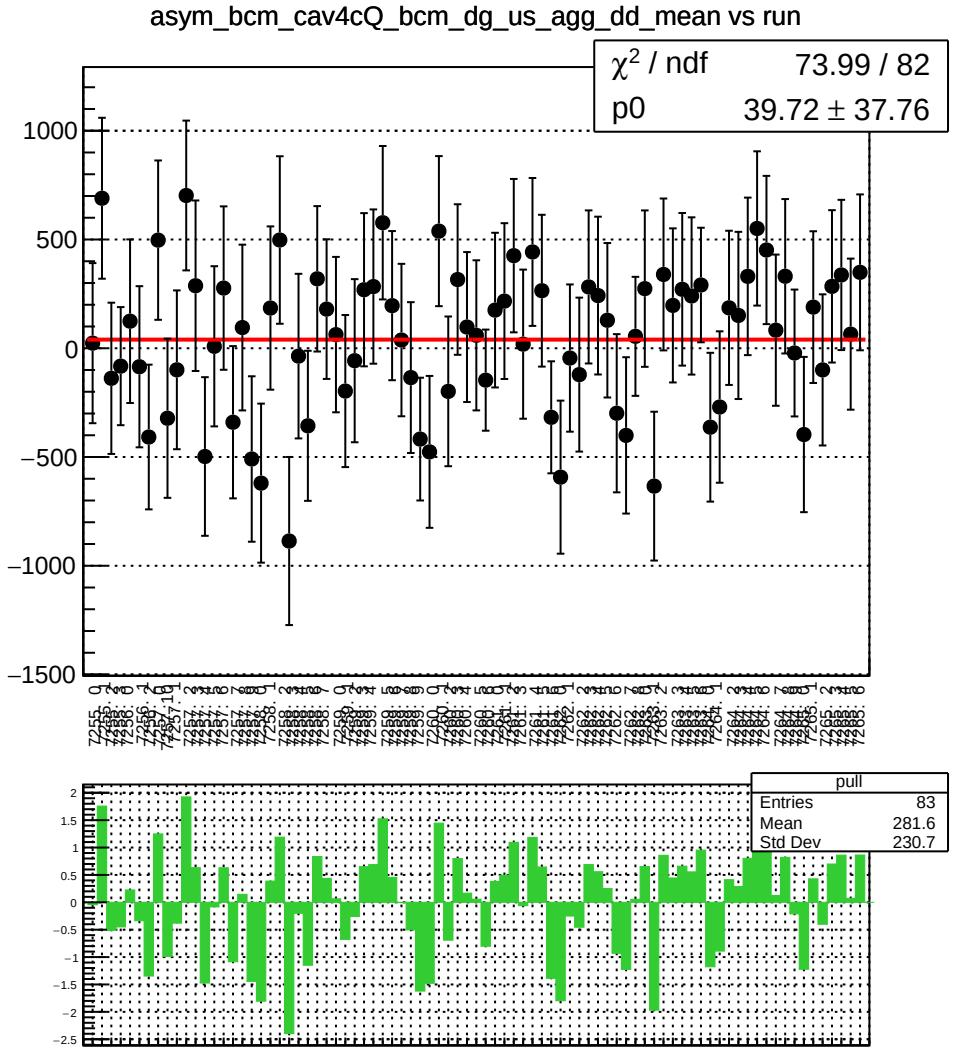

pull1D
Entries 83
Mean 0.01809
Std Dev 0.931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

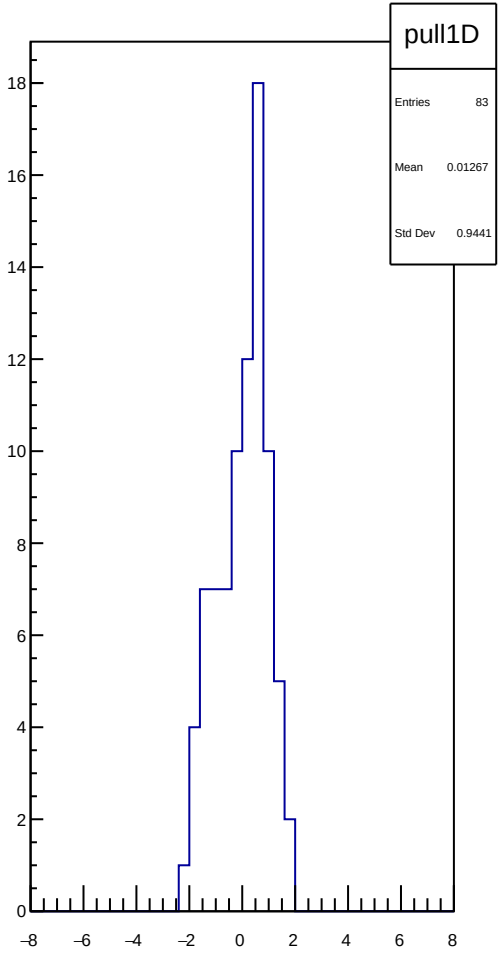

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3494 / 82
p0 27.23 ± 0.02155
31
30
29
28
27
26
25

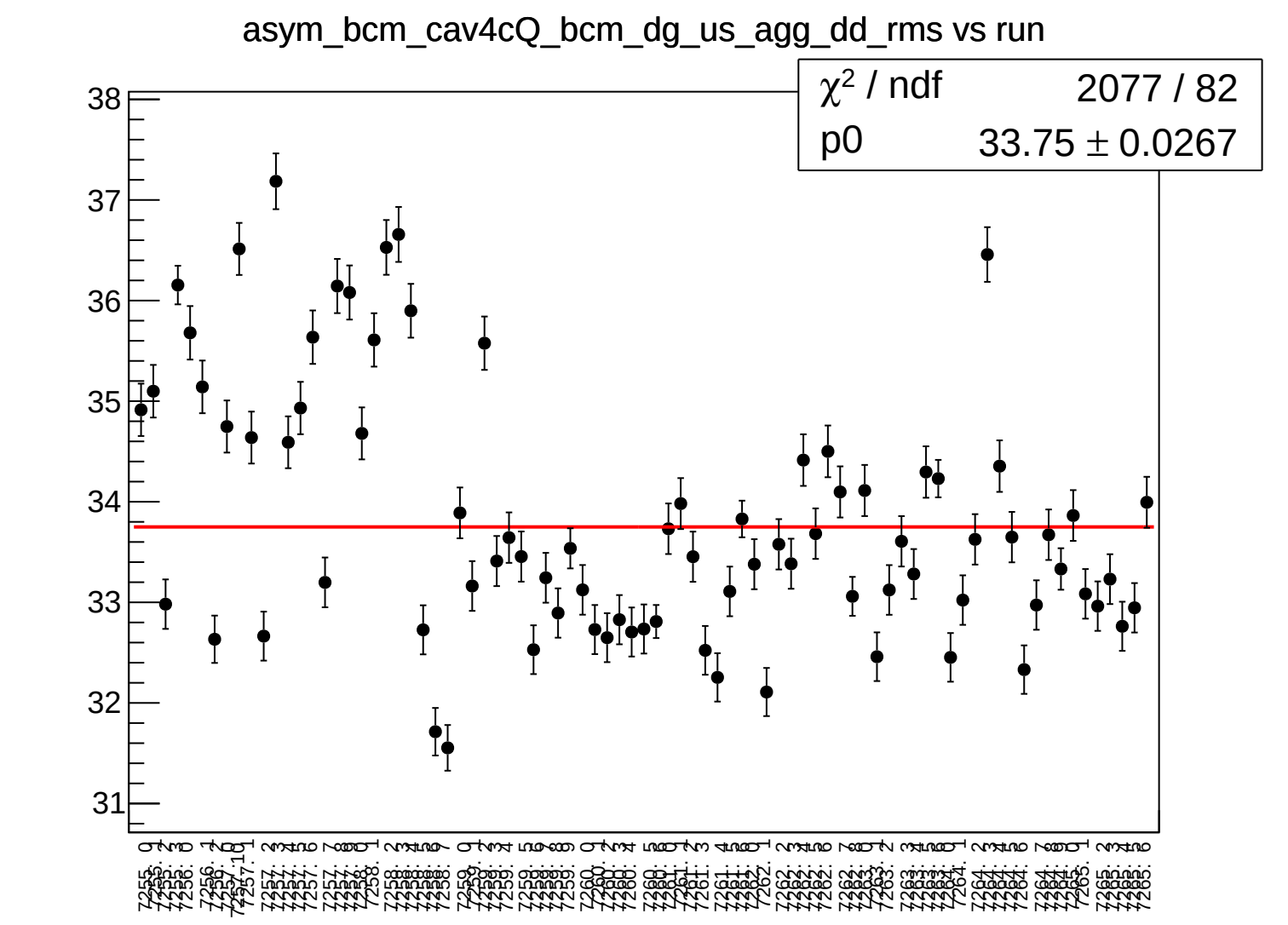

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 13.52 / 82
p0 19.28 ± 262.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 124
Std Dev 108
1
0.5
0
−0.5
−1

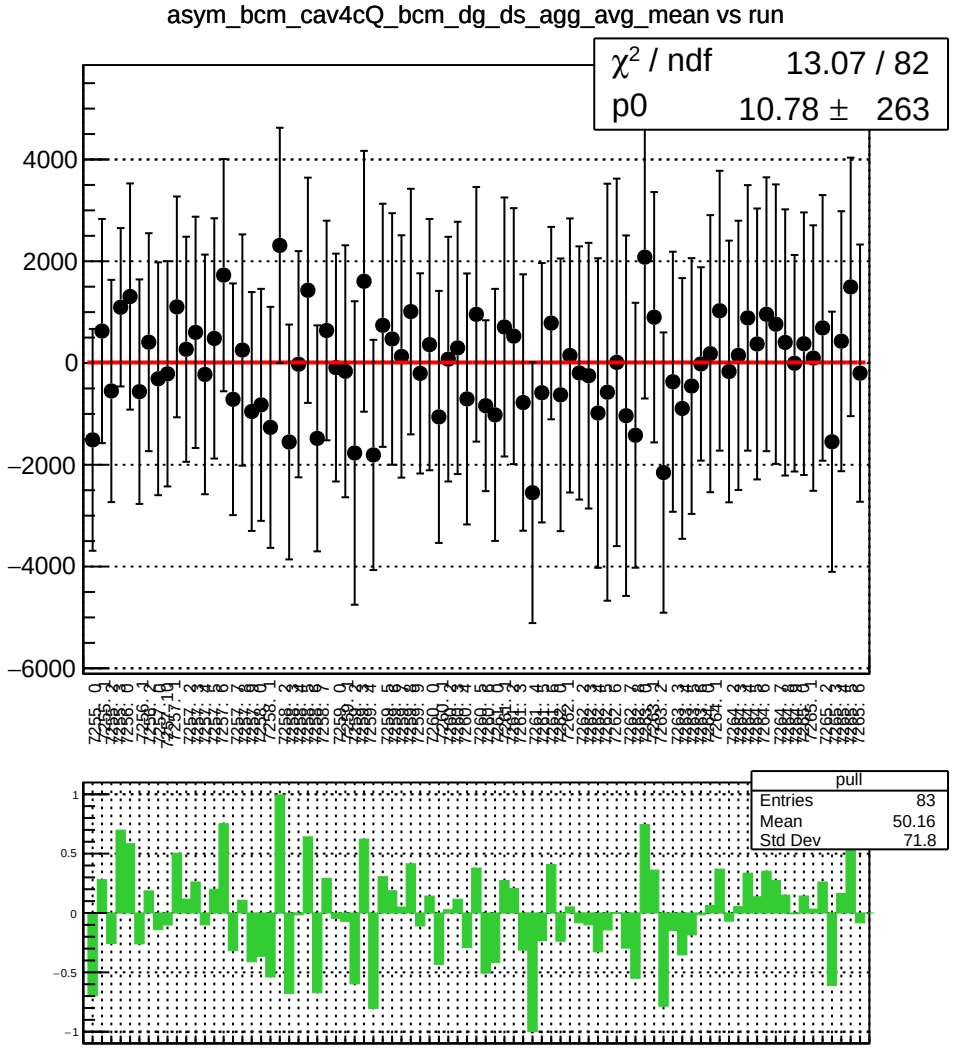

pull1D
Entries 83
Mean −0.007379
Std Dev 0.4035
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

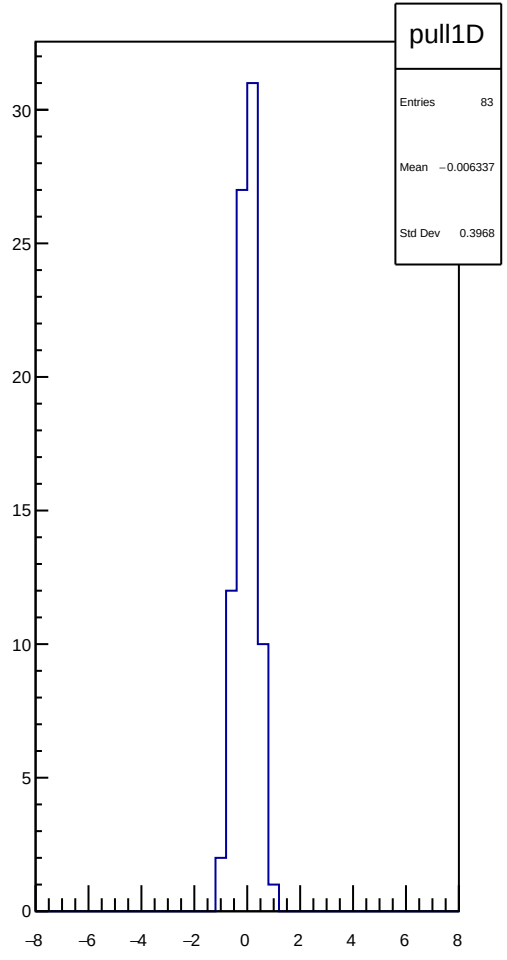

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1.648e+04 / 82
p0 233.3 ± 0.1854
400
350
300
250
200

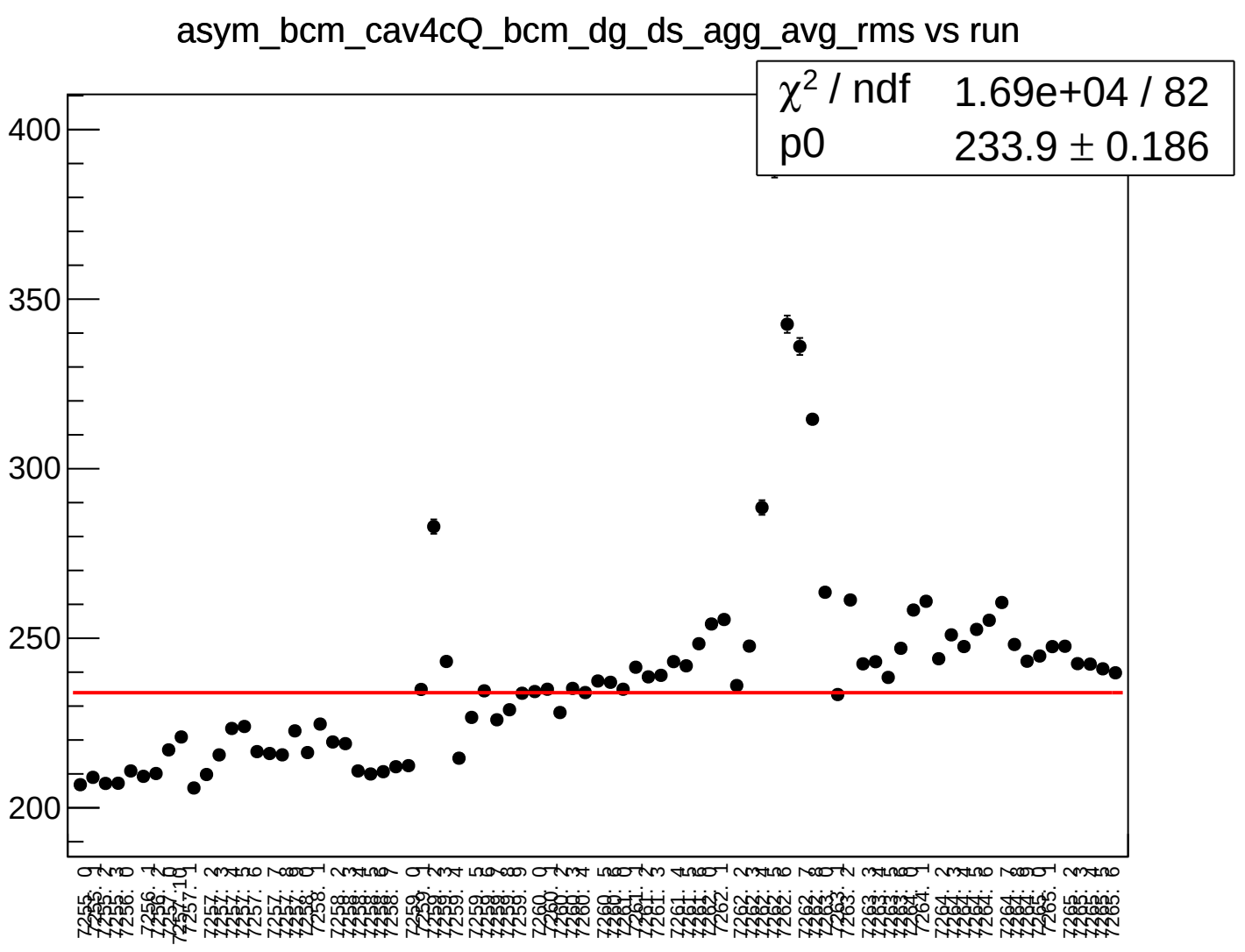

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 73.99 / 82
p0 39.72 ± 37.76
pull
Entries 83
Mean 281.6
Std Dev 230.7

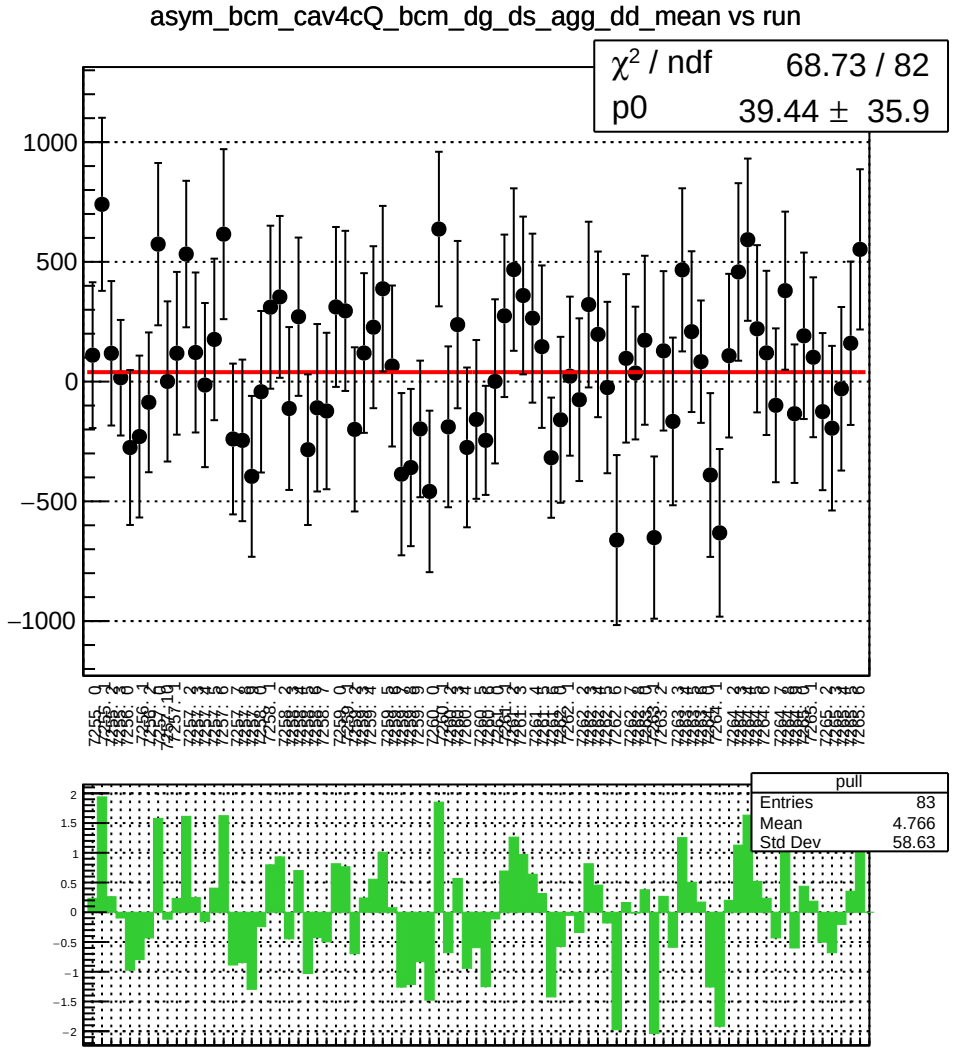

pull1D
Entries 83
Mean 0.01267
Std Dev 0.9441

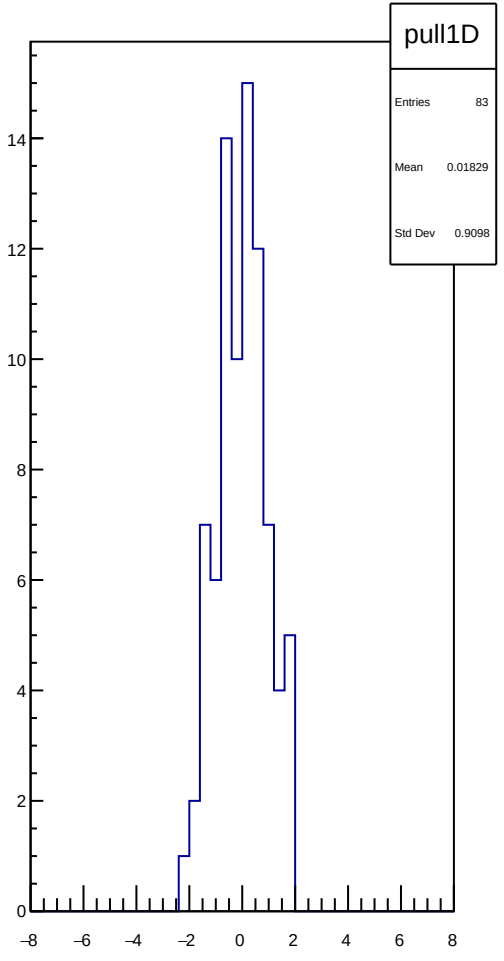

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2077 / 82
p0 33.75 ± 0.0267
38
37
36
35
34
33
32
31

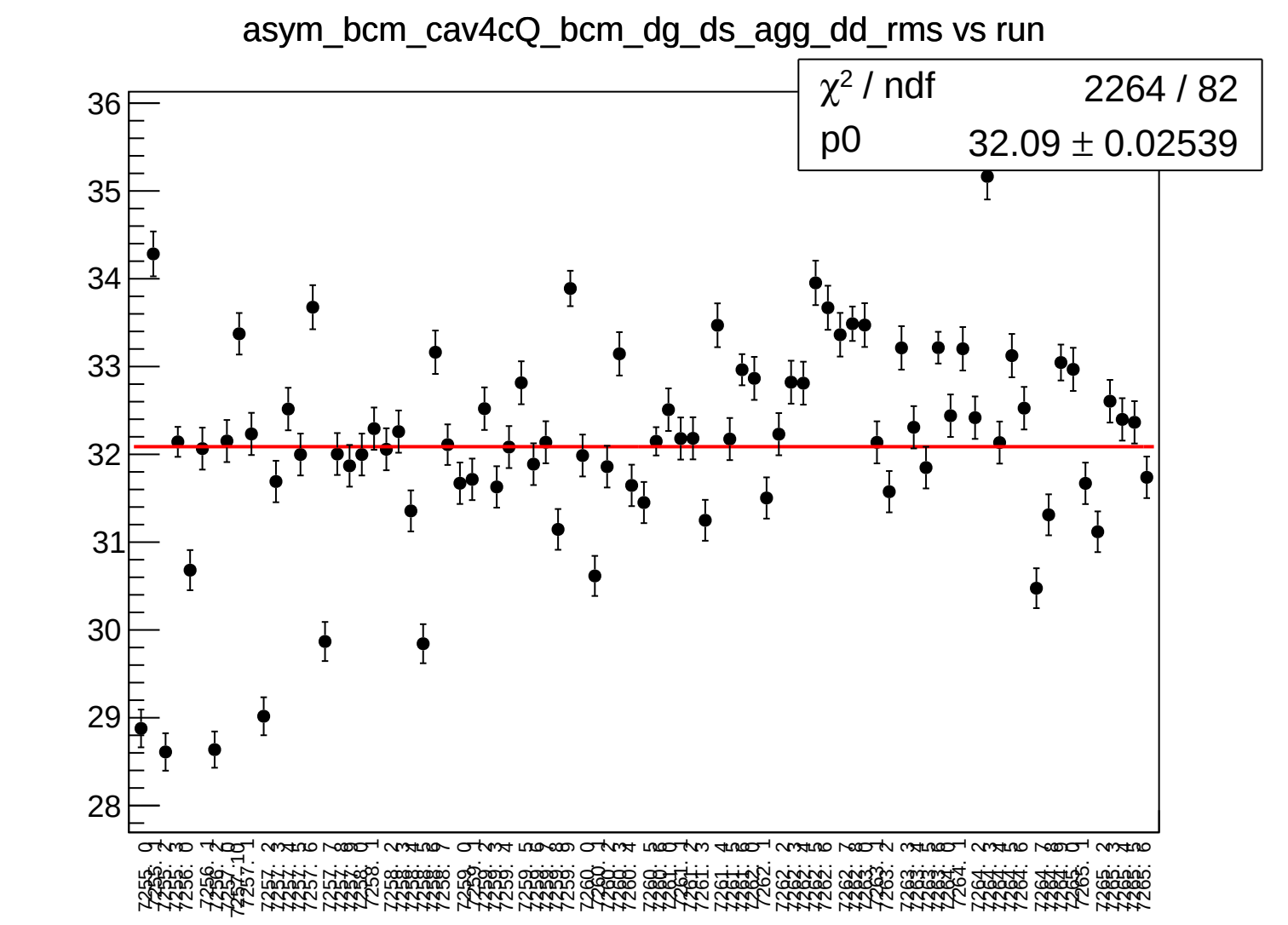

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.07 / 82
p0 10.78 ± 263
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 50.16
Std Dev 71.8
1
0.5
0
−0.5
−1

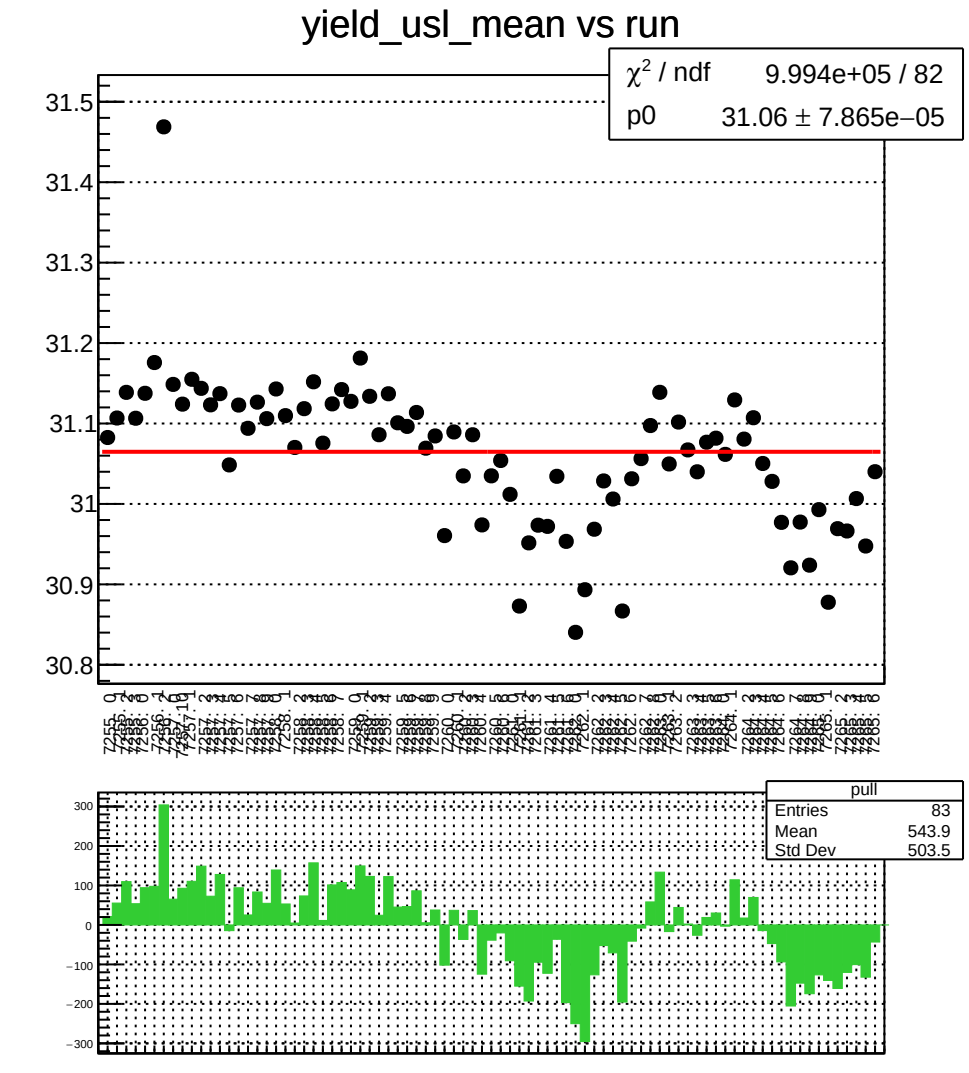

pull1D
Entries 83
Mean −0.006337
Std Dev 0.3968
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

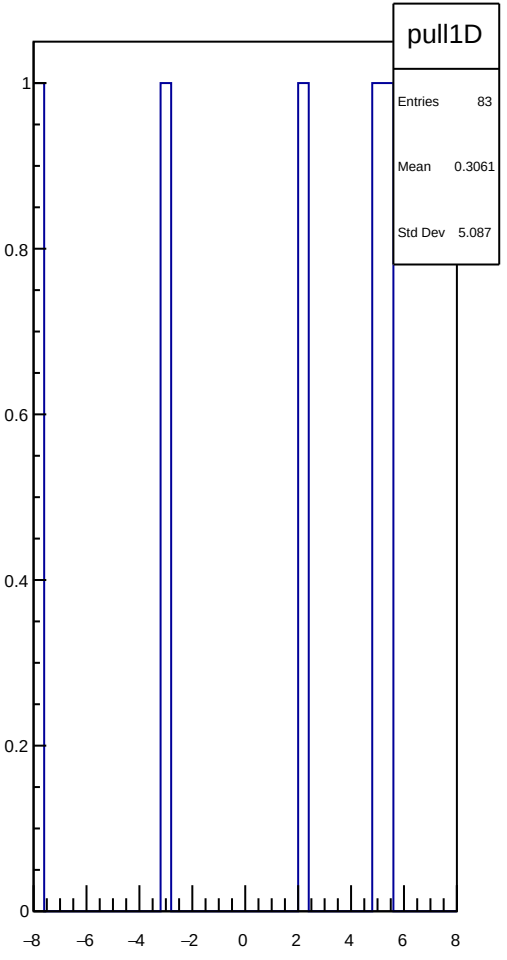

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.69e+04 / 82
p0 233.9 ± 0.186
400
350
300
250
200

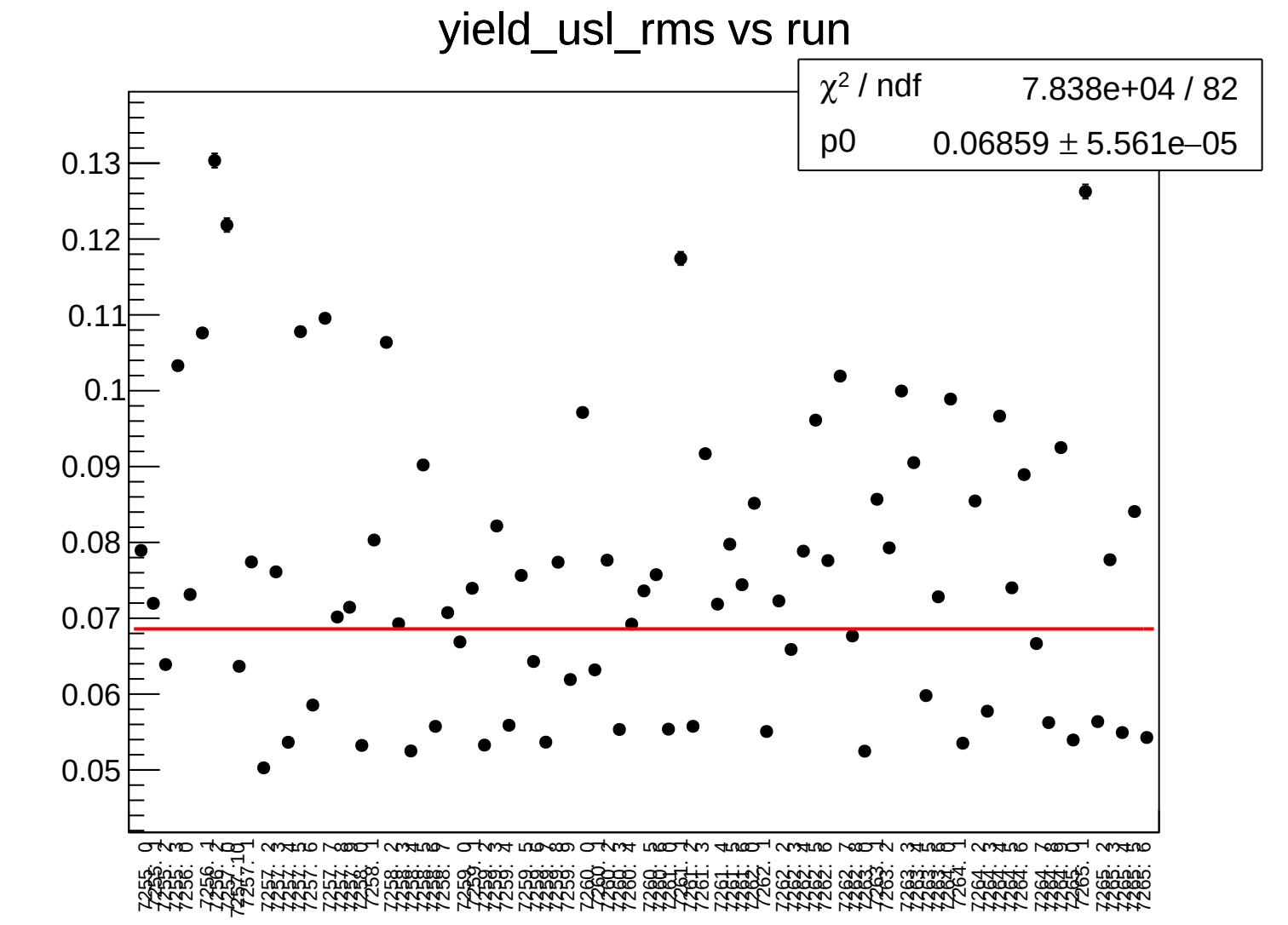

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 68.73 / 82
p0 39.44 ± 35.9
1000
500
0
−500
−1000
pull
Entries 83
Mean 4.766
Std Dev 58.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

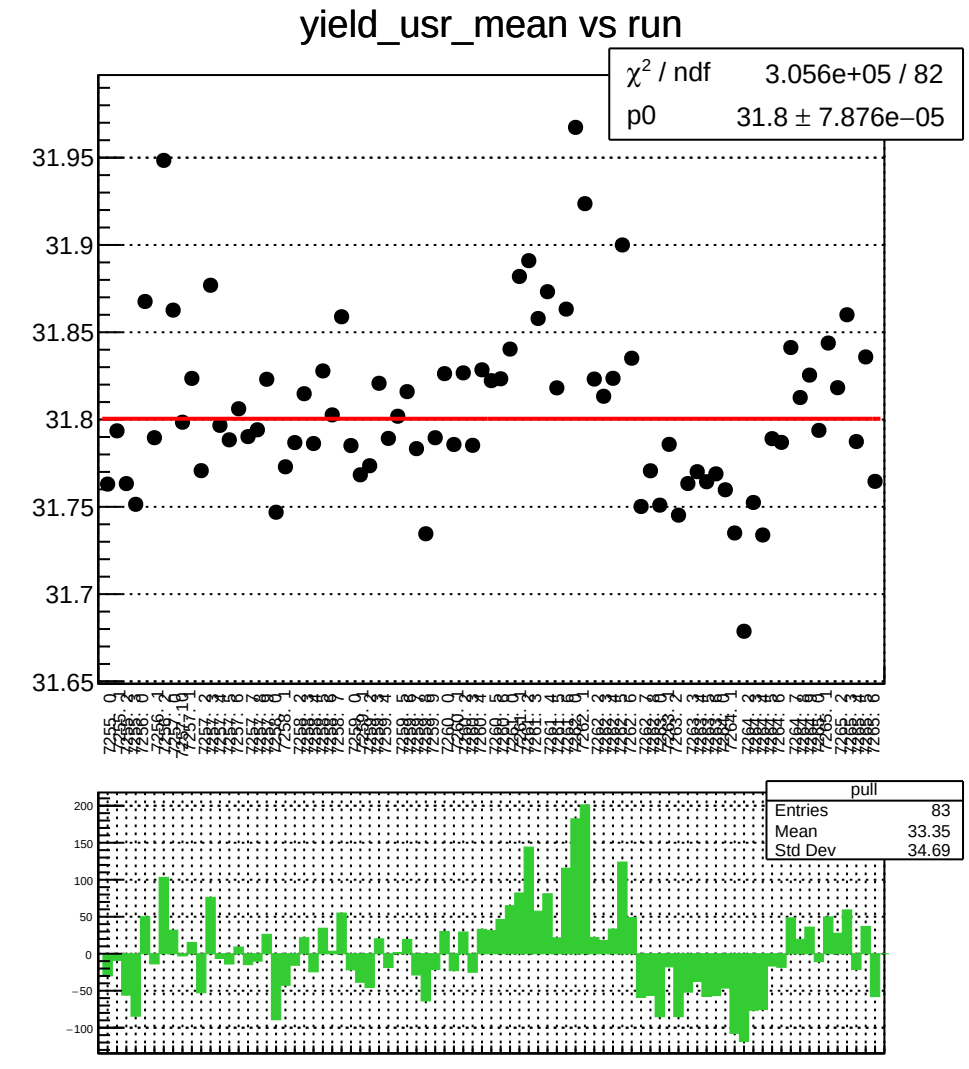

pull1D
Entries 83
Mean 0.01829
Std Dev 0.9098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

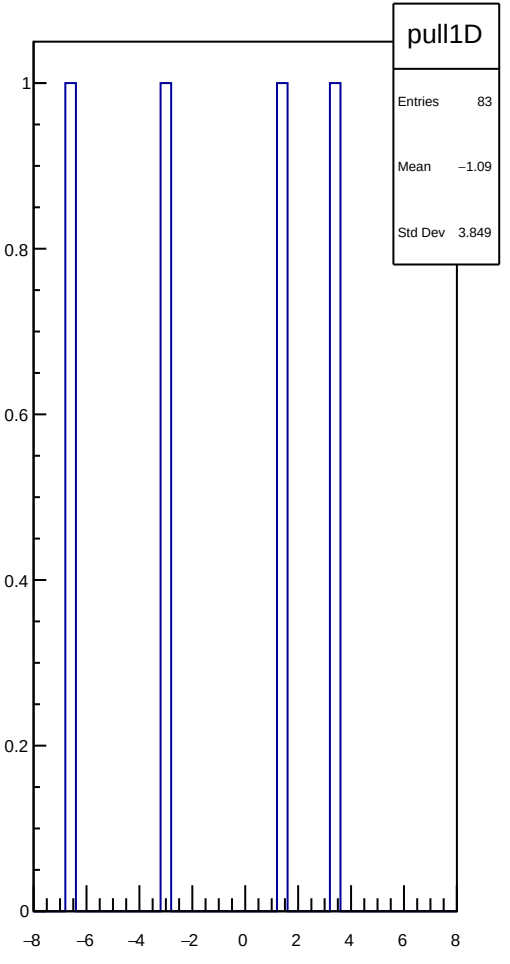

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2264 / 82
p0 32.09 ± 0.02539
36
35
34
33
32
31
30
29
28

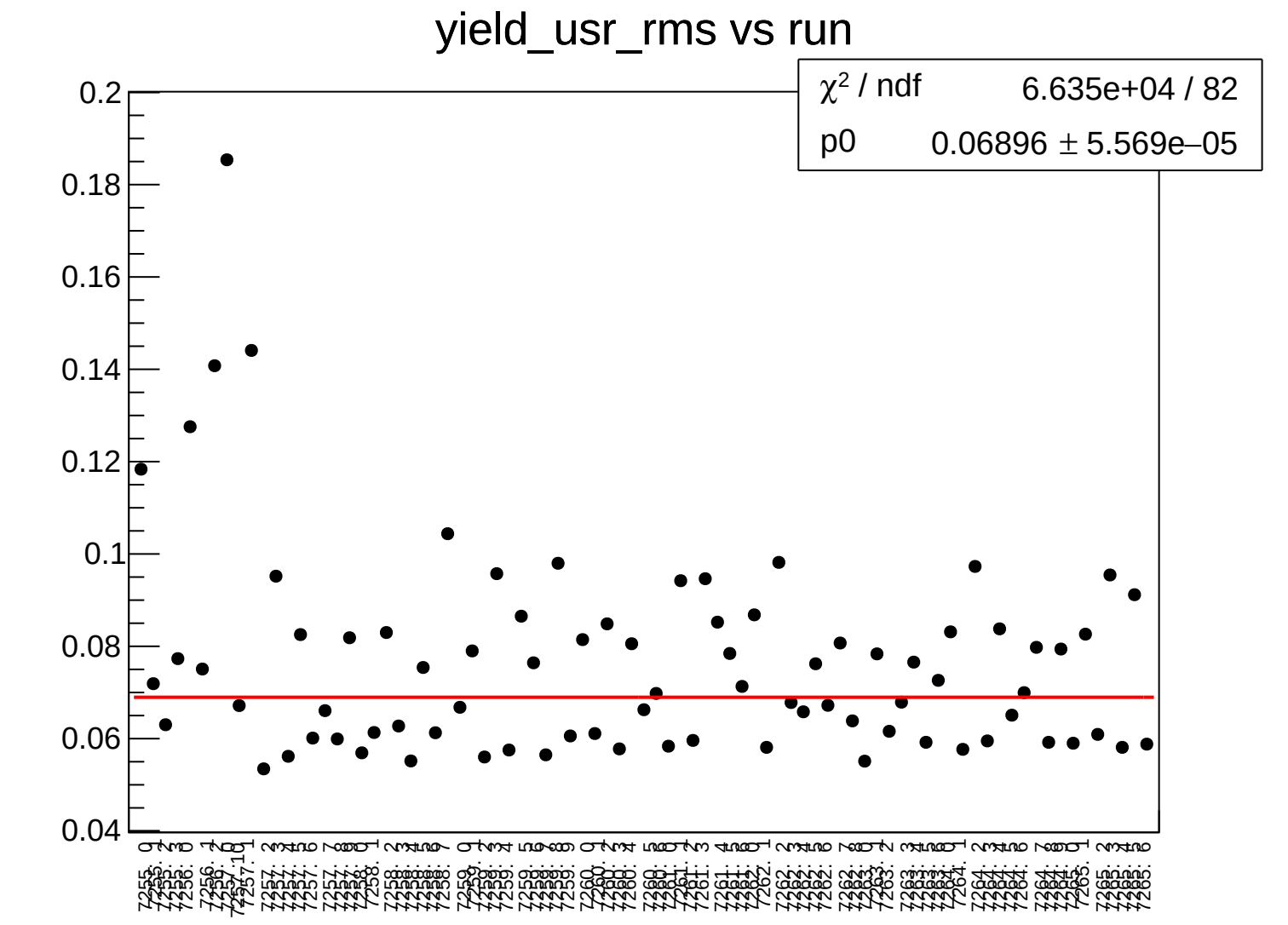

yield_usl_mean vs run
χ² / ndf 9.994e+05 / 82
p0 31.06 ± 7.865e−05
31.5
31.4
31.3
31.2
31.1
31
30.9
30.8
pull
Entries 83
Mean 543.9
Std Dev 503.5
300
200
100
0
−100
−200
−300

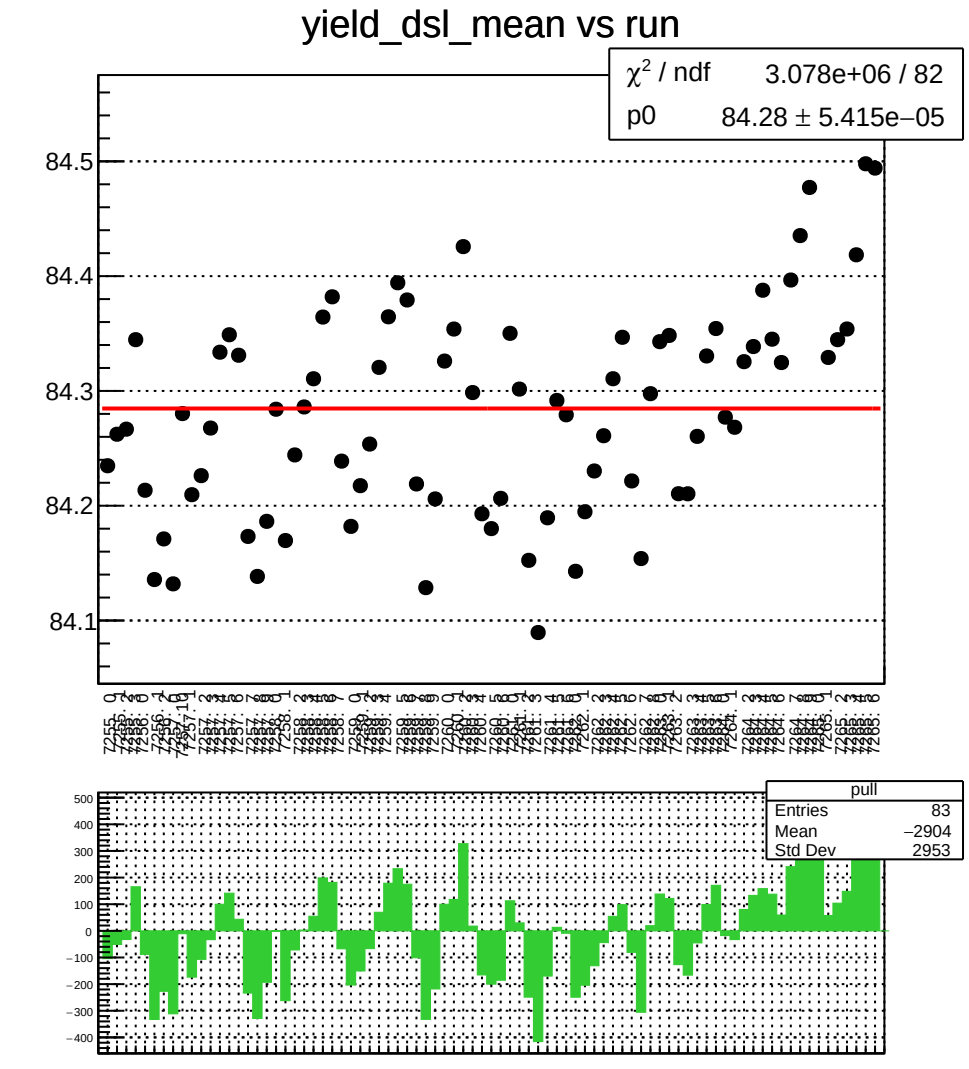

pull1D
Entries 83
Mean 0.3061
Std Dev 5.087
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

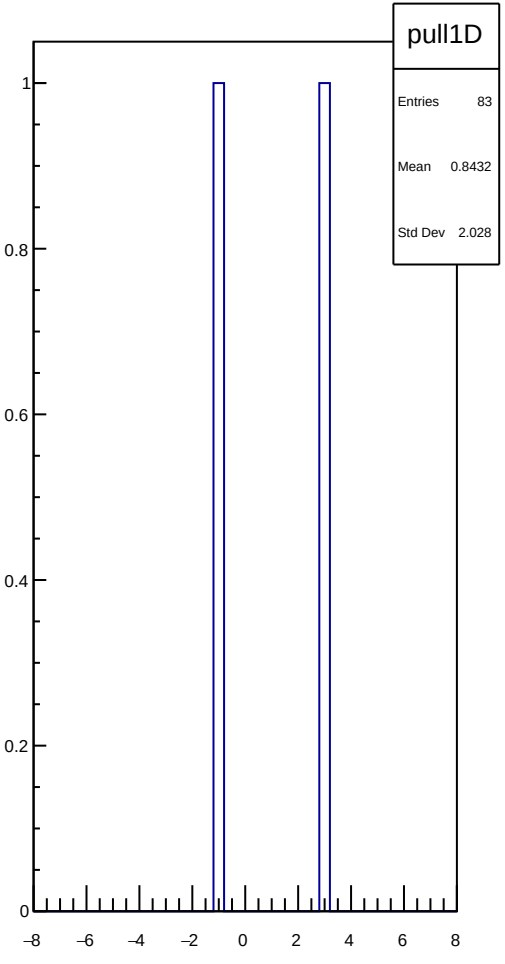

yield_usl_rms vs run
χ² / ndf 7.838e+04 / 82
p0 0.06859 ± 5.561e−05
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05

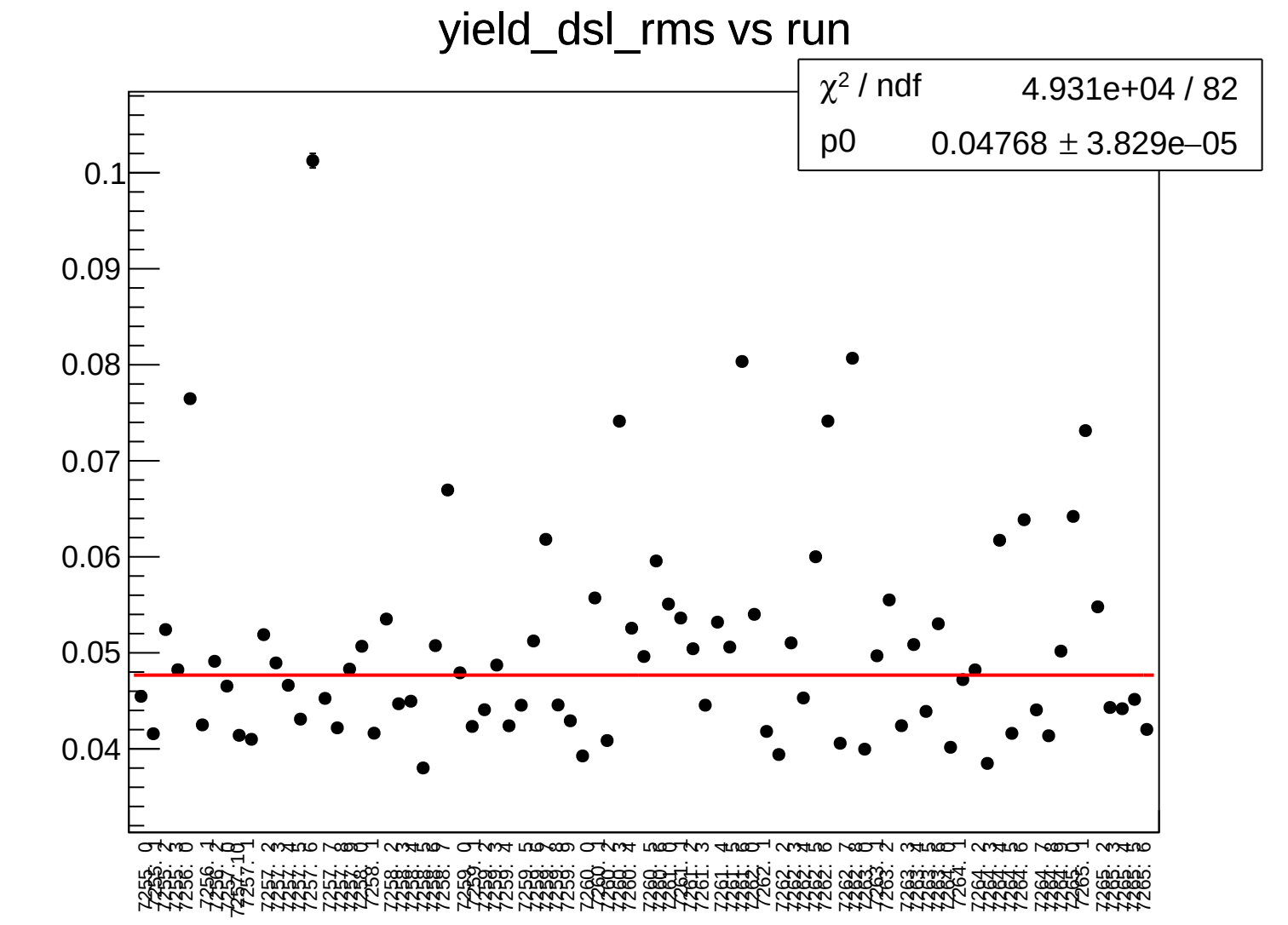

yield_usr_mean vs run
χ² / ndf 3.056e+05 / 82
p0 31.8 ± 7.876e−05
31.95
31.9
31.85
31.8
31.75
31.7
31.65
pull
Entries 83
Mean 33.35
Std Dev 34.69
200
150
100
50
0
−50
−100

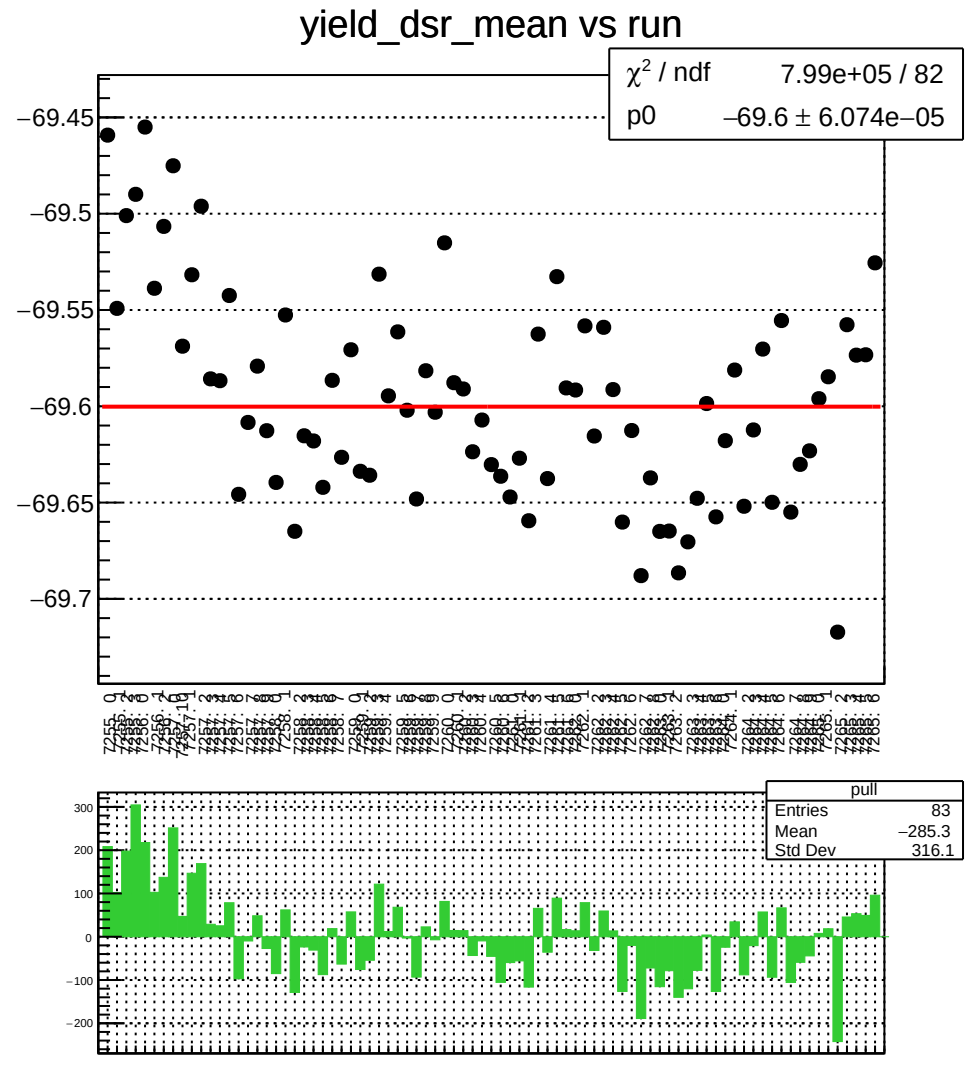

pull1D
Entries 83
Mean −1.09
Std Dev 3.849
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

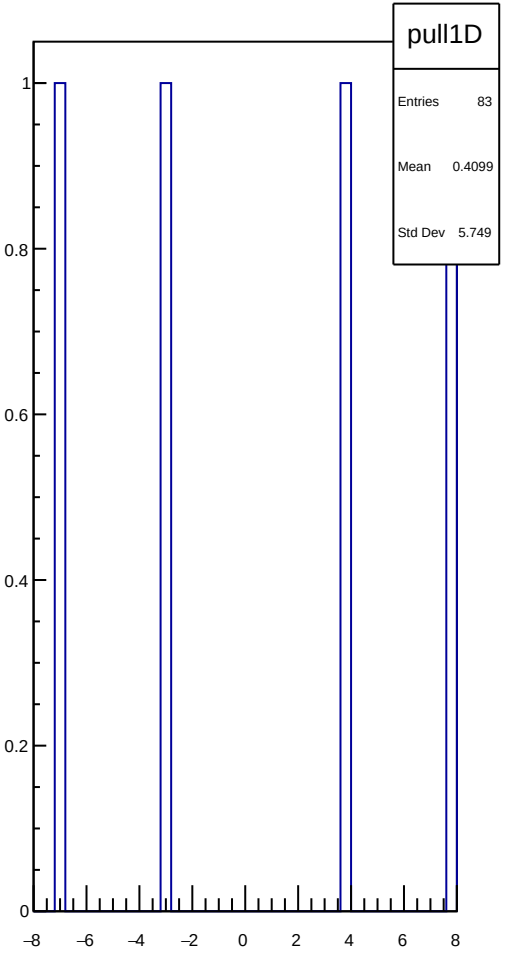

yield_usr_rms vs run
χ² / ndf 6.635e+04 / 82
p0 0.06896 ± 5.569e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

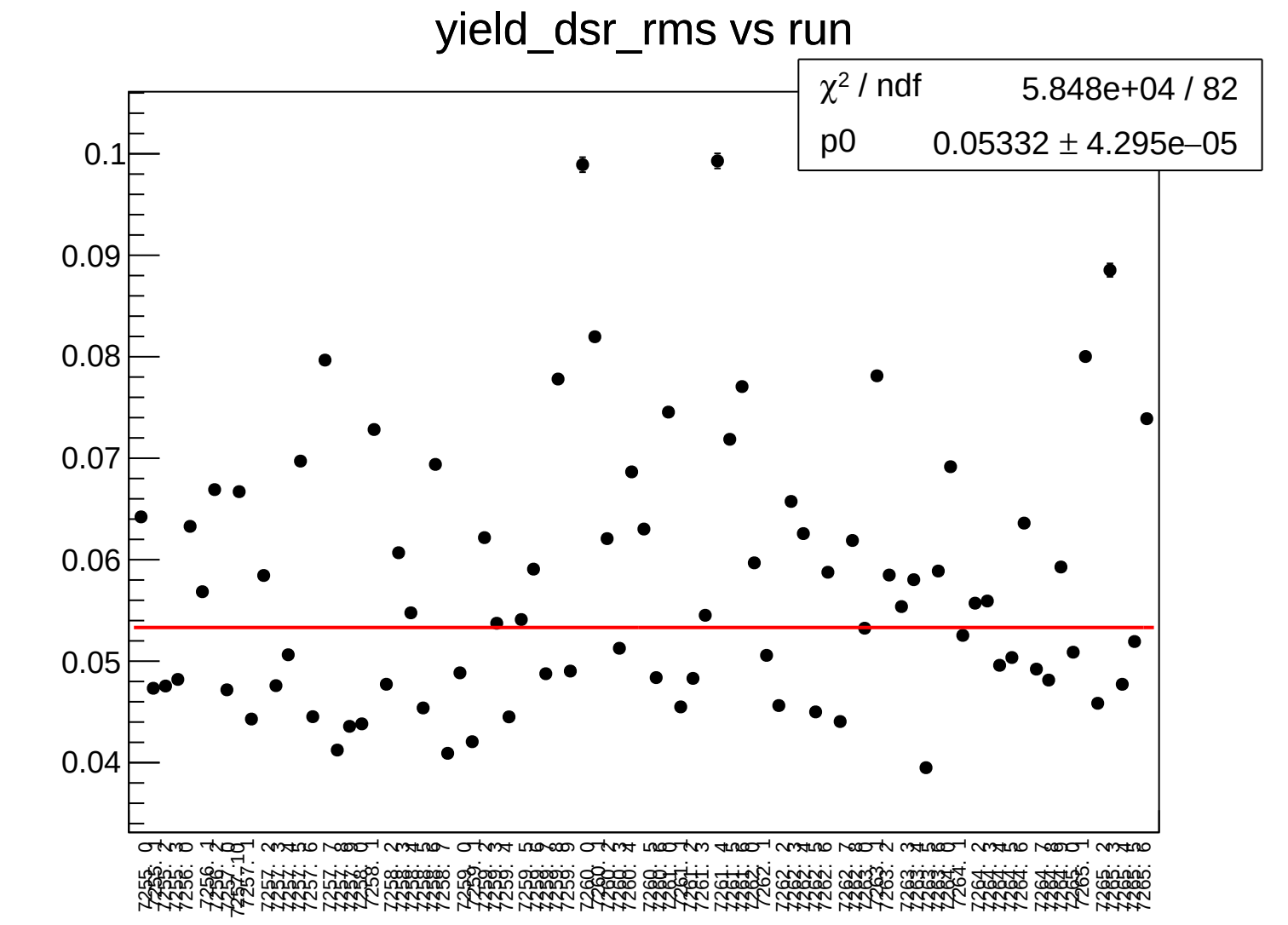

yield_dsl_mean vs run
χ² / ndf 3.078e+06 / 82
p0 84.28 ± 5.415e−05
84.5
84.4
84.3
84.2
84.1
pull
Entries 83
Mean −2904
Std Dev 2953
500
400
300
200
100
0
−100
−200
−300
−400

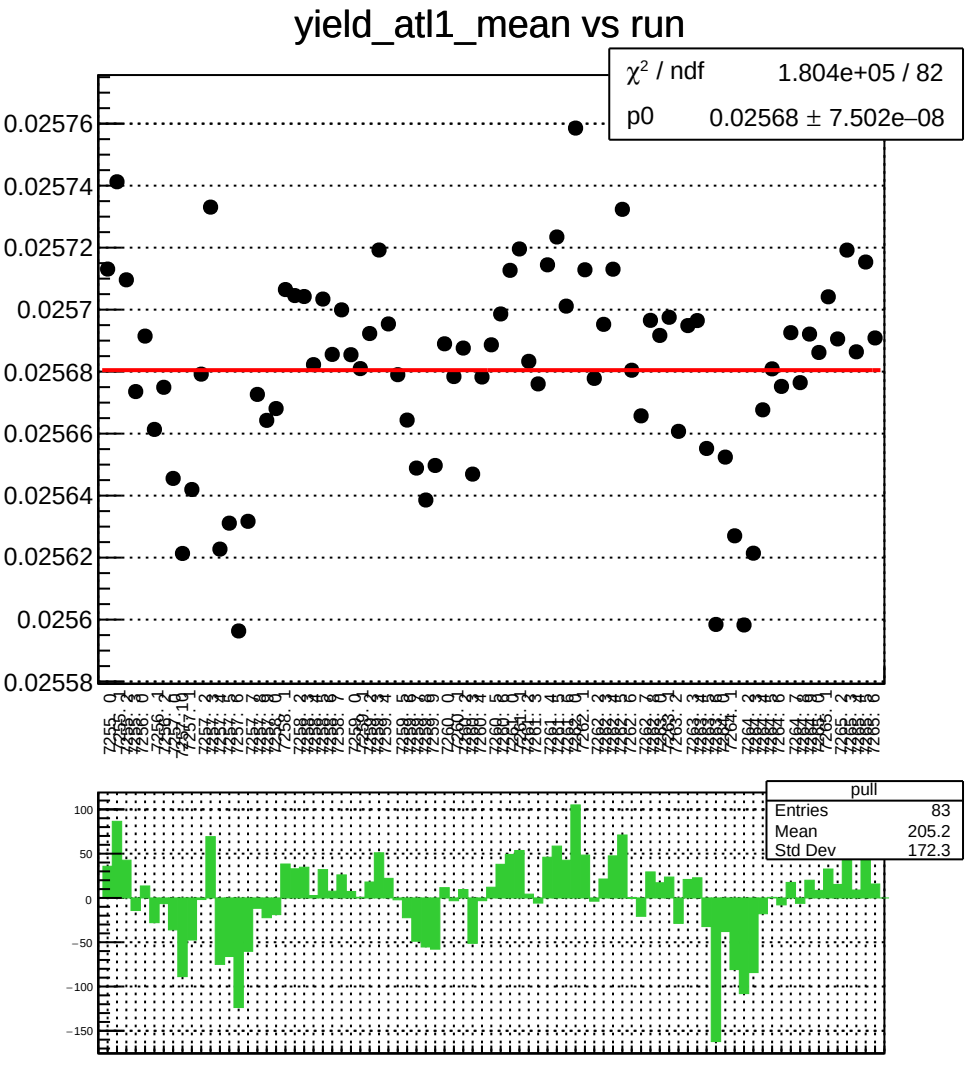

pull1D
Entries 83
Mean 0.8432
Std Dev 2.028
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

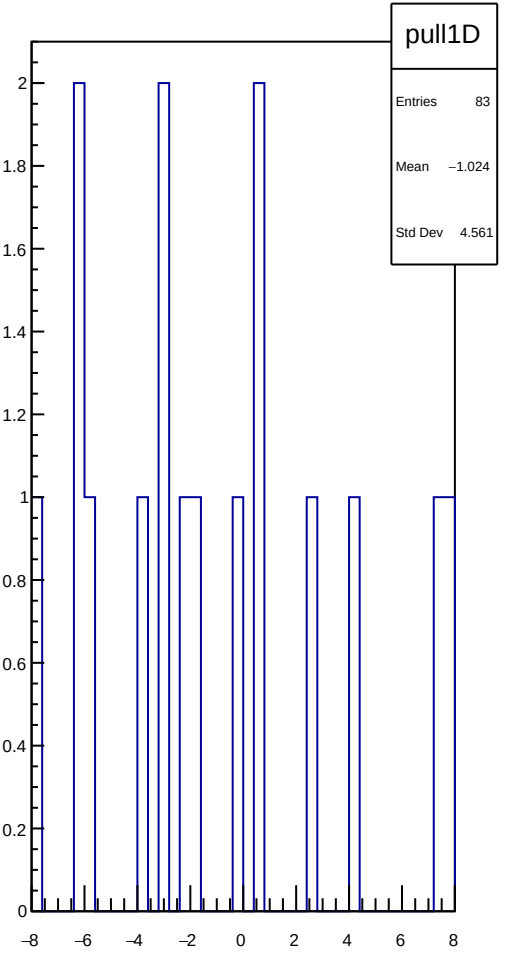

yield_dsl_rms vs run
χ² / ndf 4.931e+04 / 82
p0 0.04768 ± 3.829e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

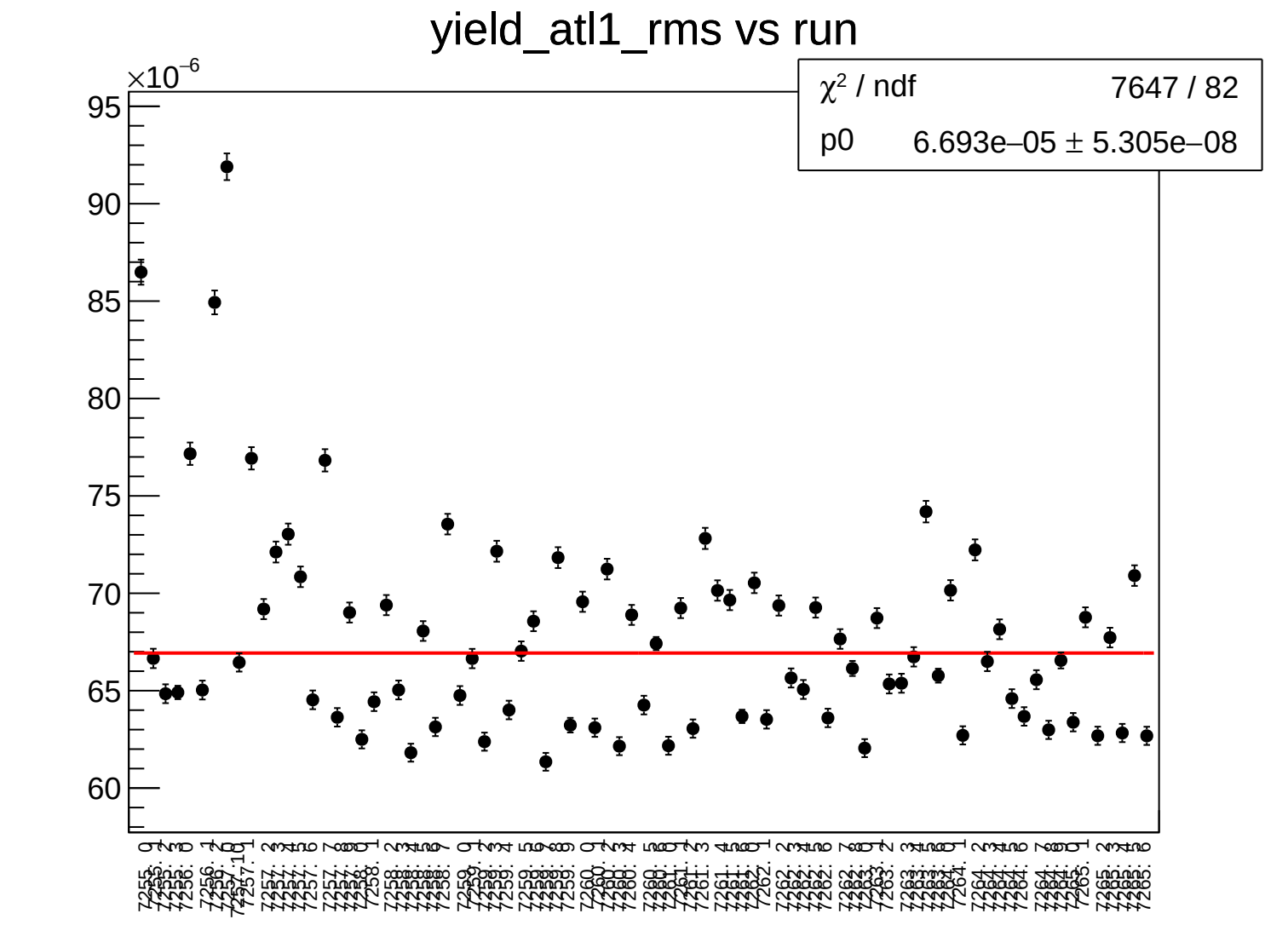

yield_dsr_mean vs run
χ² / ndf 7.99e+05 / 82
p0 −69.6 ± 6.074e−05
−69.45
−69.5
−69.55
−69.6
−69.65
−69.7
pull
Entries 83
Mean −285.3
Std Dev 316.1
300
200
100
0
−100
−200

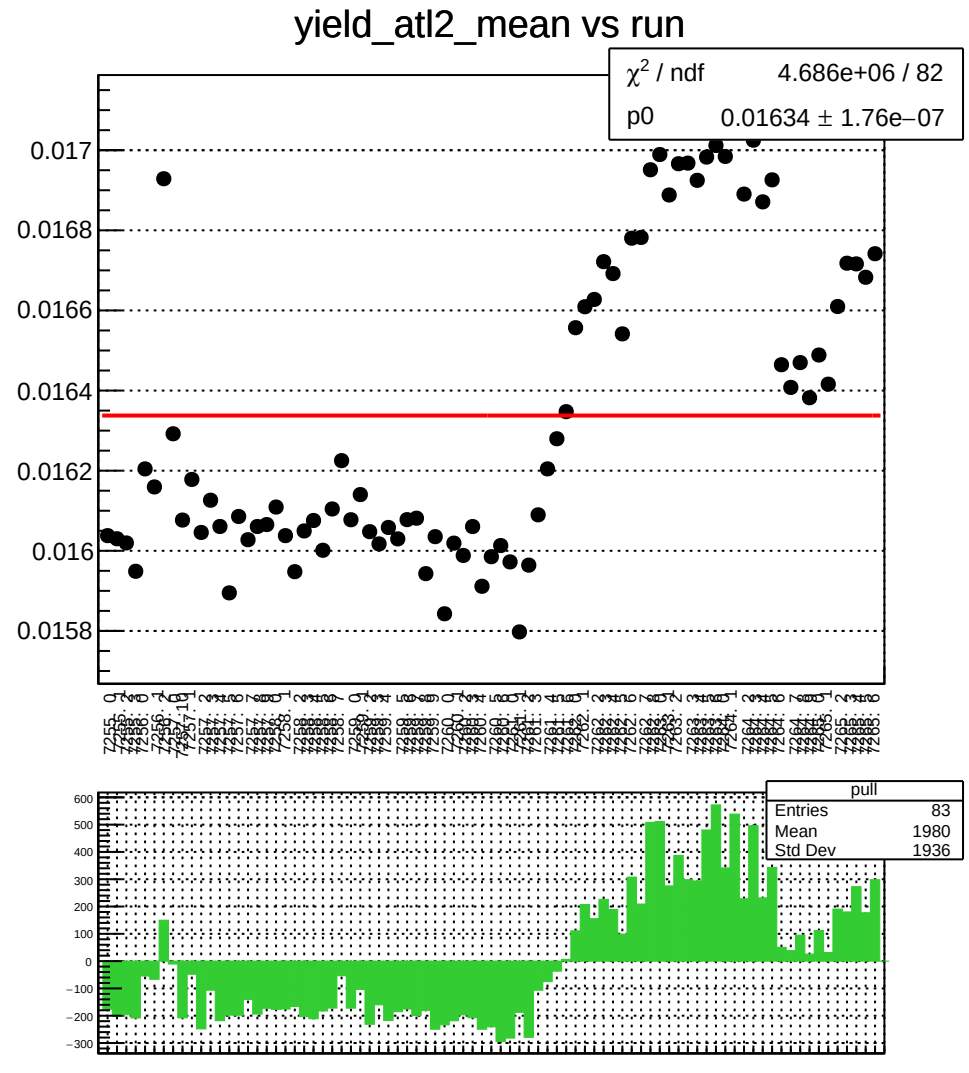

pull1D
Entries 83
Mean 0.4099
Std Dev 5.749
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

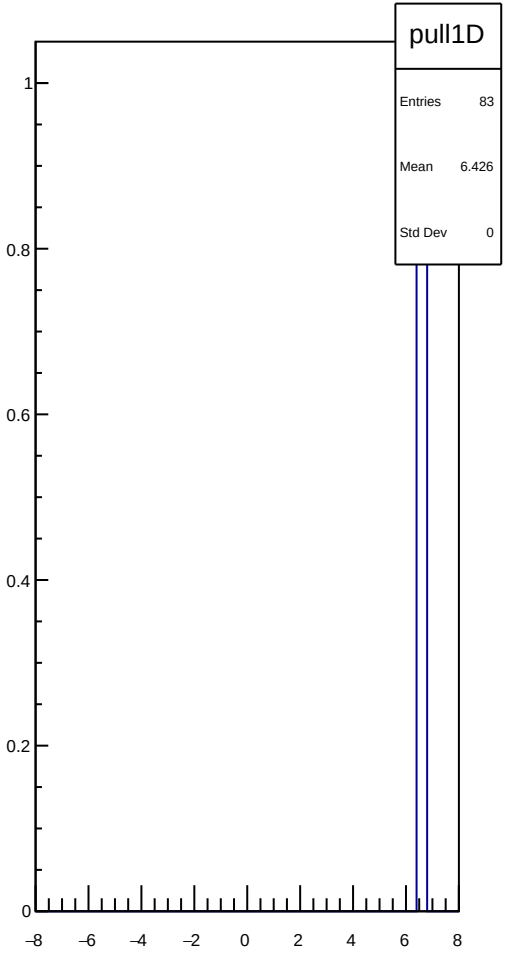

yield_dsr_rms vs run
χ² / ndf 5.848e+04 / 82
p0 0.05332 ± 4.295e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

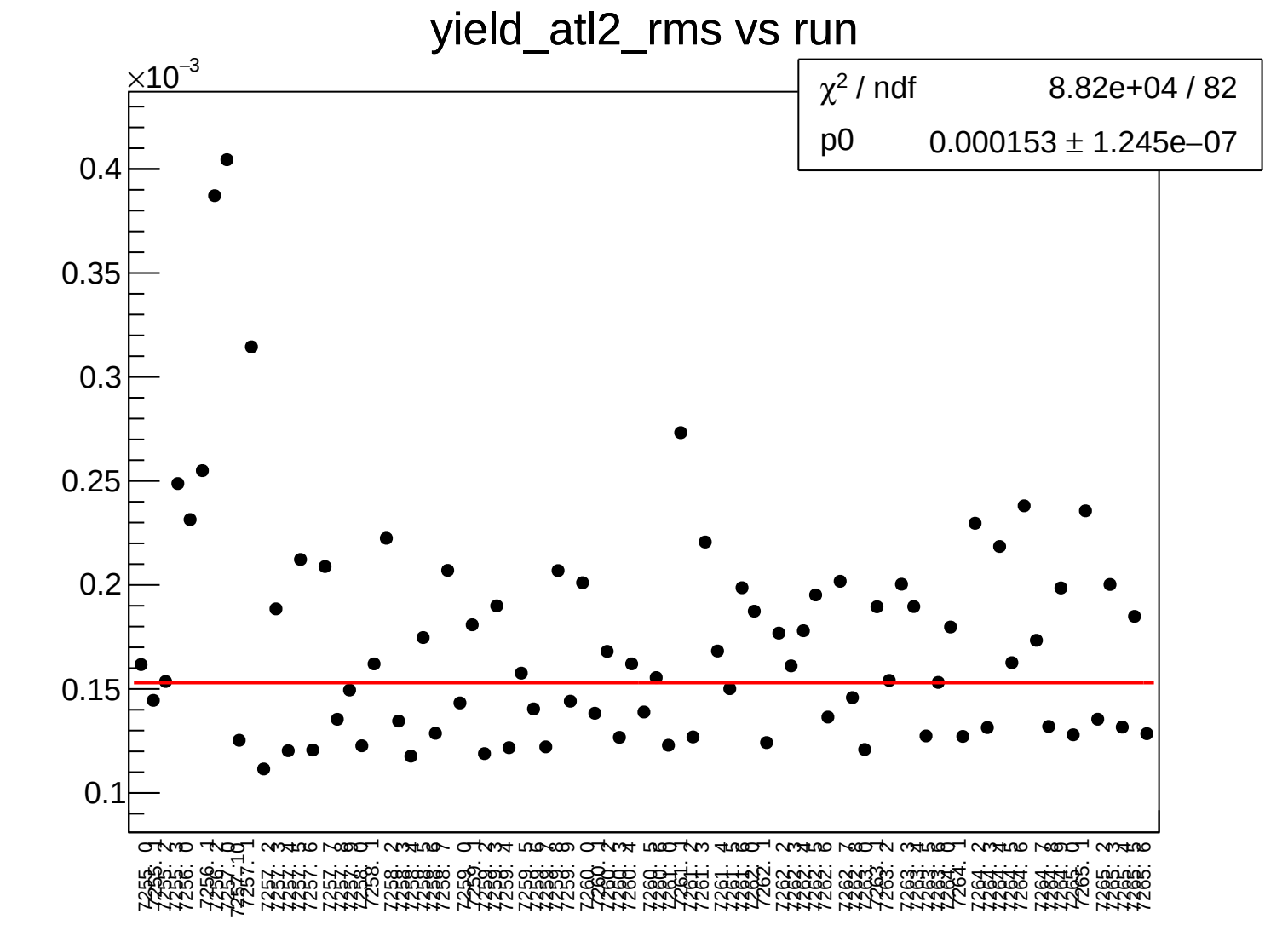

yield_atl1_mean vs run
χ² / ndf 1.804e+05 / 82
p0 0.02568 ± 7.502e−08
0.02576
0.02574
0.02572
0.0257
0.02568
0.02566
0.02564
0.02562
0.0256
0.02558
pull
Entries 83
Mean 205.2
Std Dev 172.3
100
50
0
−50
−100
−150

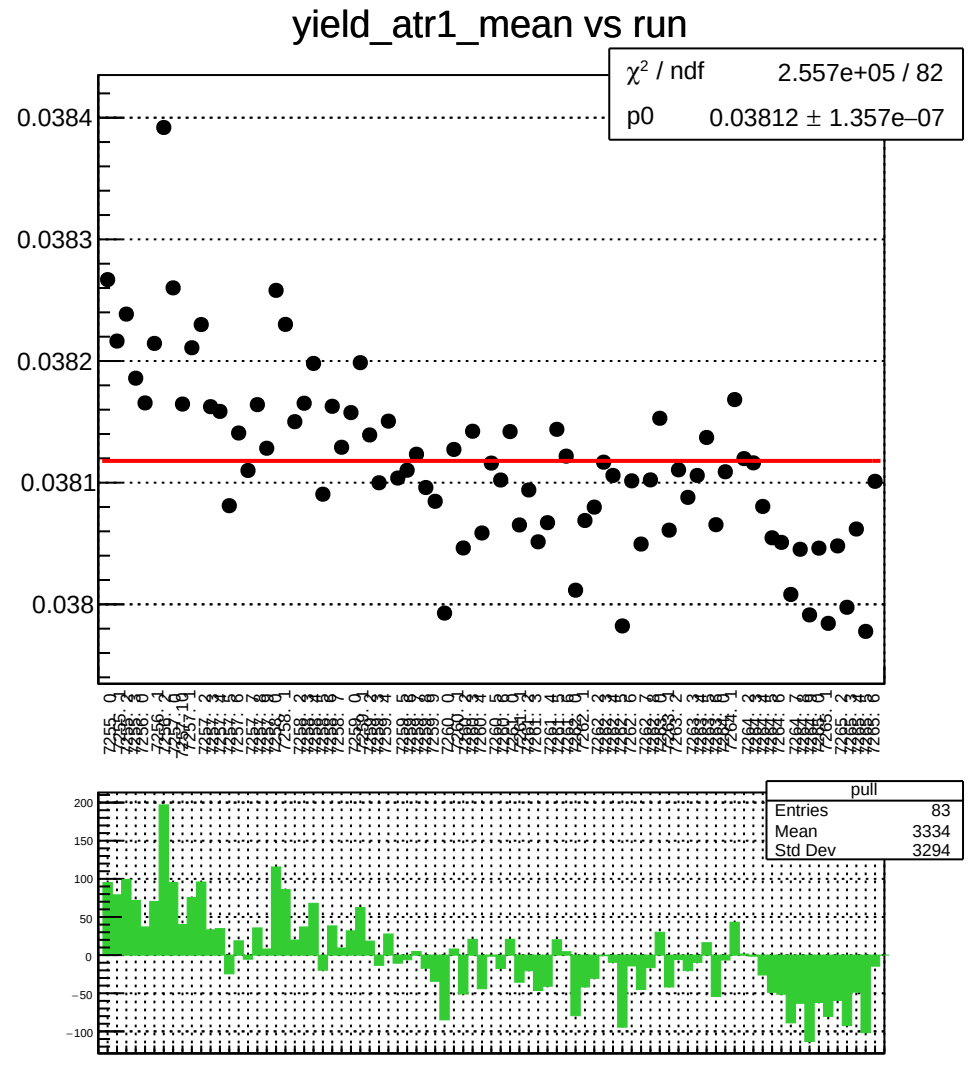

pull1D
Entries 83
Mean −1.024
Std Dev 4.561
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

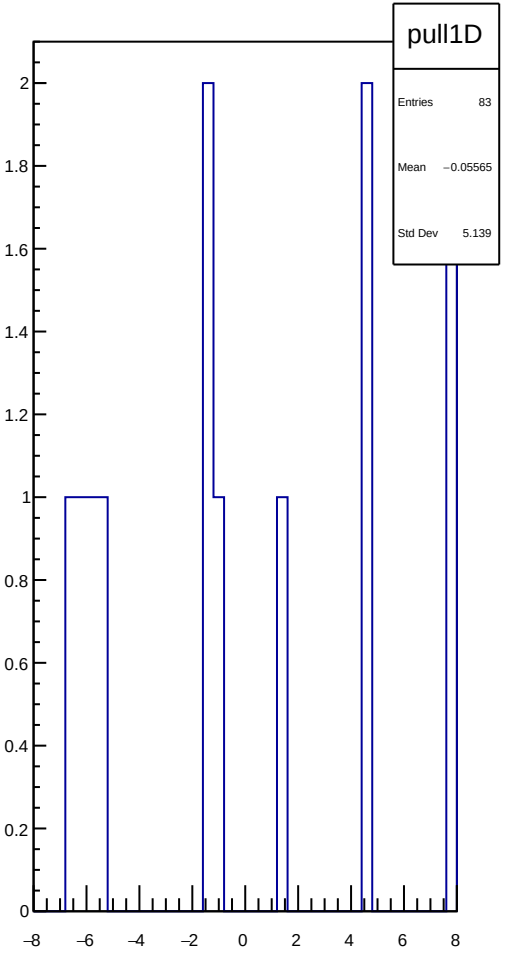

yield_atl1_rms vs run
×10⁻⁶
95
90
85
80
75
70
65
60
χ² / ndf 7647 / 82
p0 6.693e−05 ± 5.305e−08

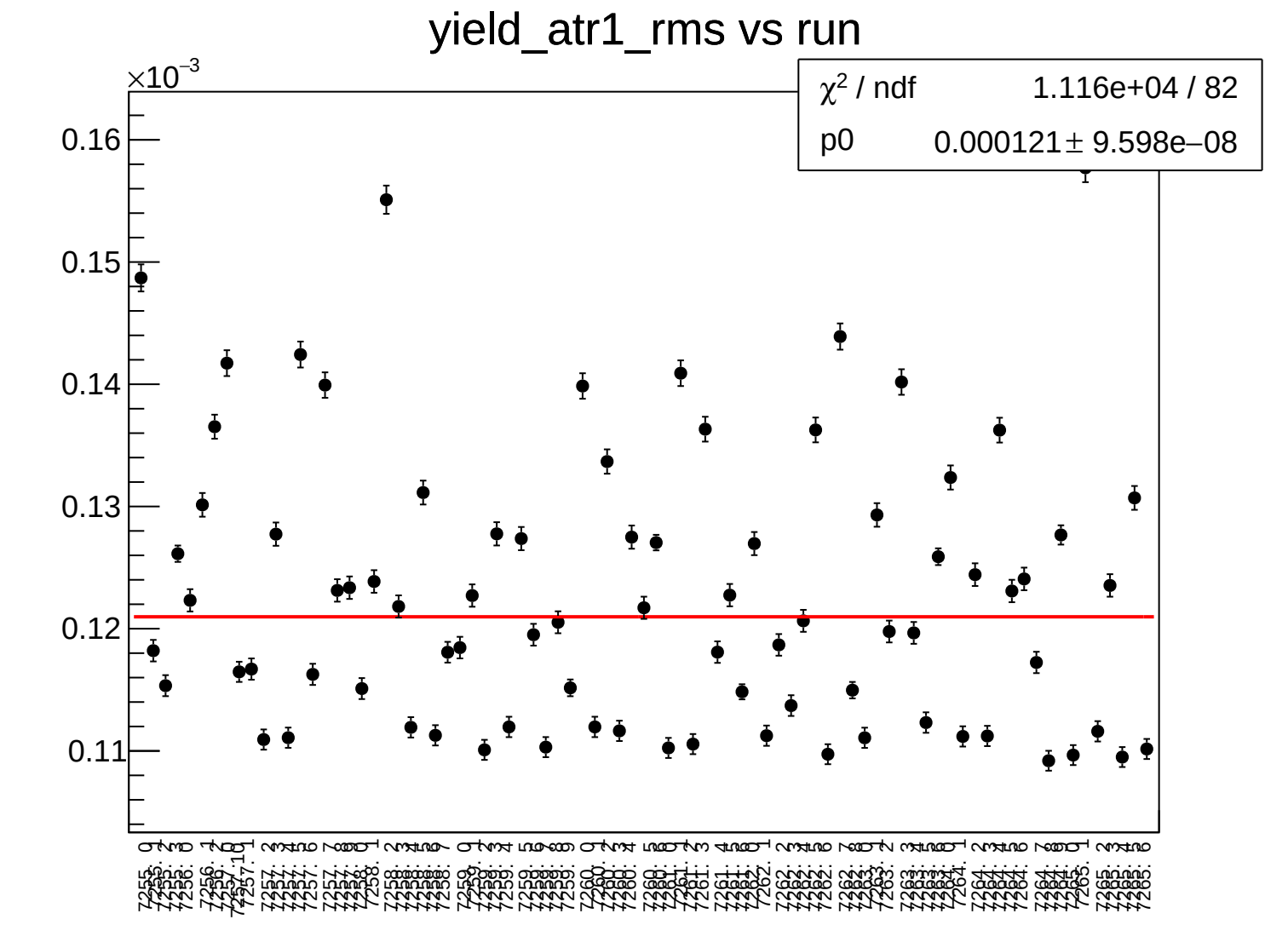

yield_atl2_mean vs run
χ² / ndf 4.686e+06 / 82
p0 0.01634 ± 1.76e−07
0.017
0.0168
0.0166
0.0164
0.0162
0.016
0.0158
pull
Entries 83
Mean 1980
Std Dev 1936
600
500
400
300
200
100
0
−100
−200
−300

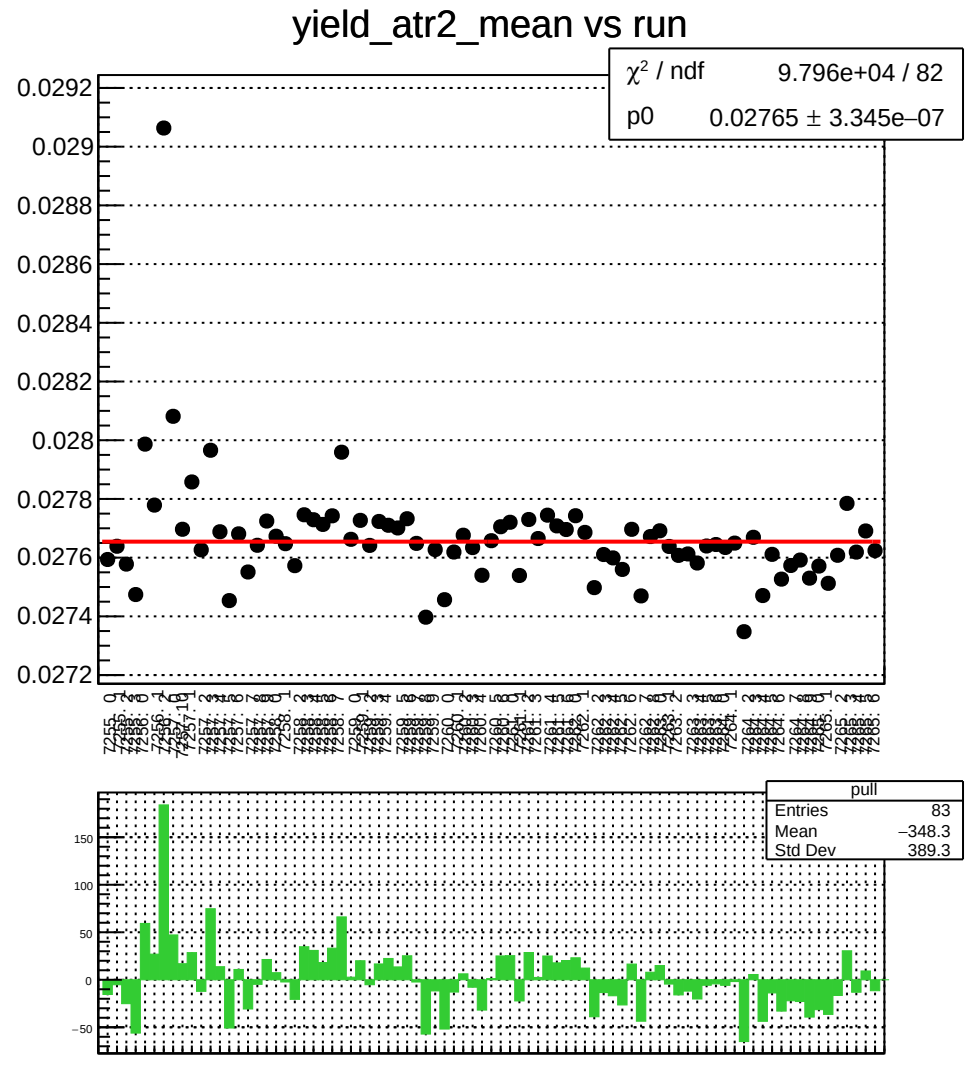

pull1D
Entries 83
Mean 6.426
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

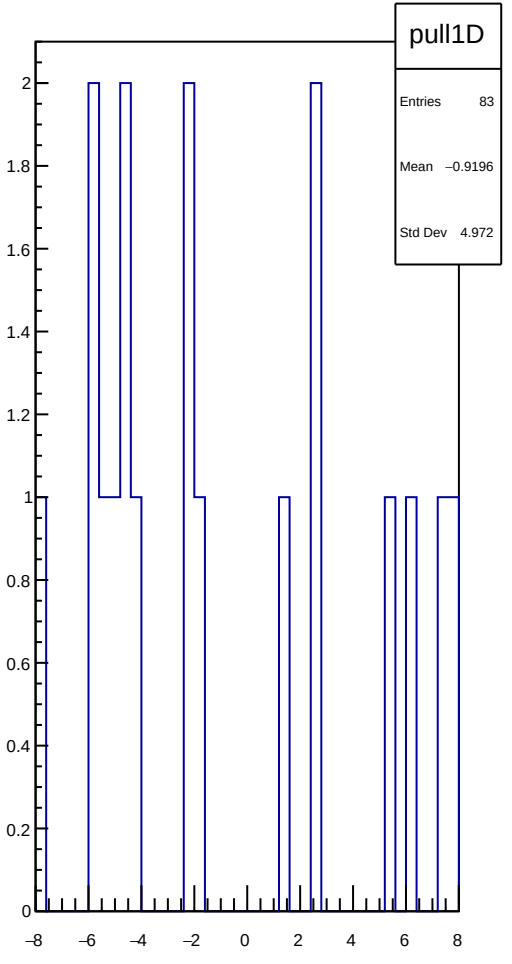

yield_atl2_rms vs run
×10⁻³
χ² / ndf 8.82e+04 / 82
p0 0.000153 ± 1.245e−07
0.4
0.35
0.3
0.25
0.2
0.15
0.1

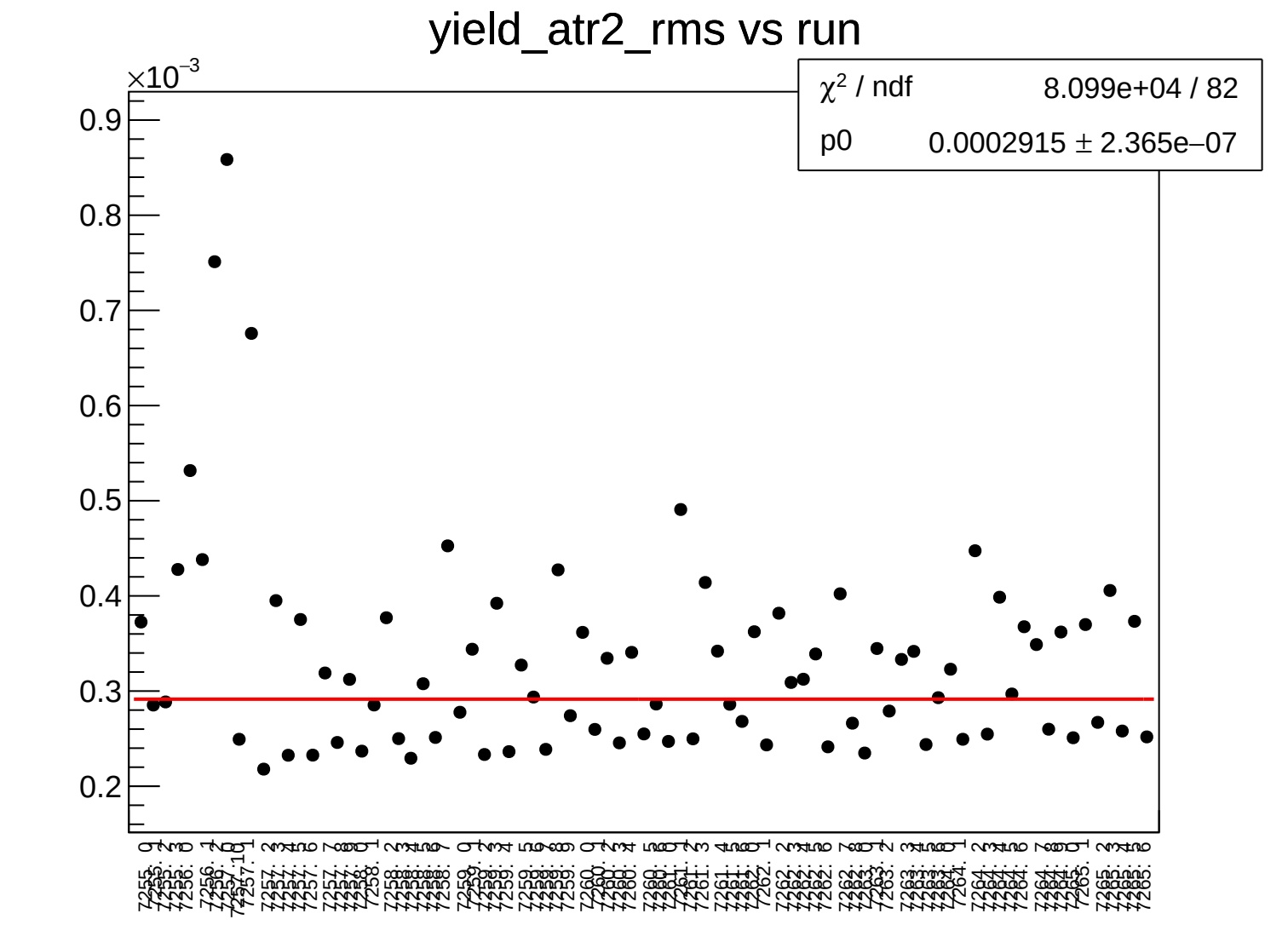

yield_atr1_mean vs run
χ² / ndf 2.557e+05 / 82
p0 0.03812 ± 1.357e−07
0.0384
0.0383
0.0382
0.0381
0.038
pull
Entries 83
Mean 3334
Std Dev 3294
200
150
100
50
0
−50
−100

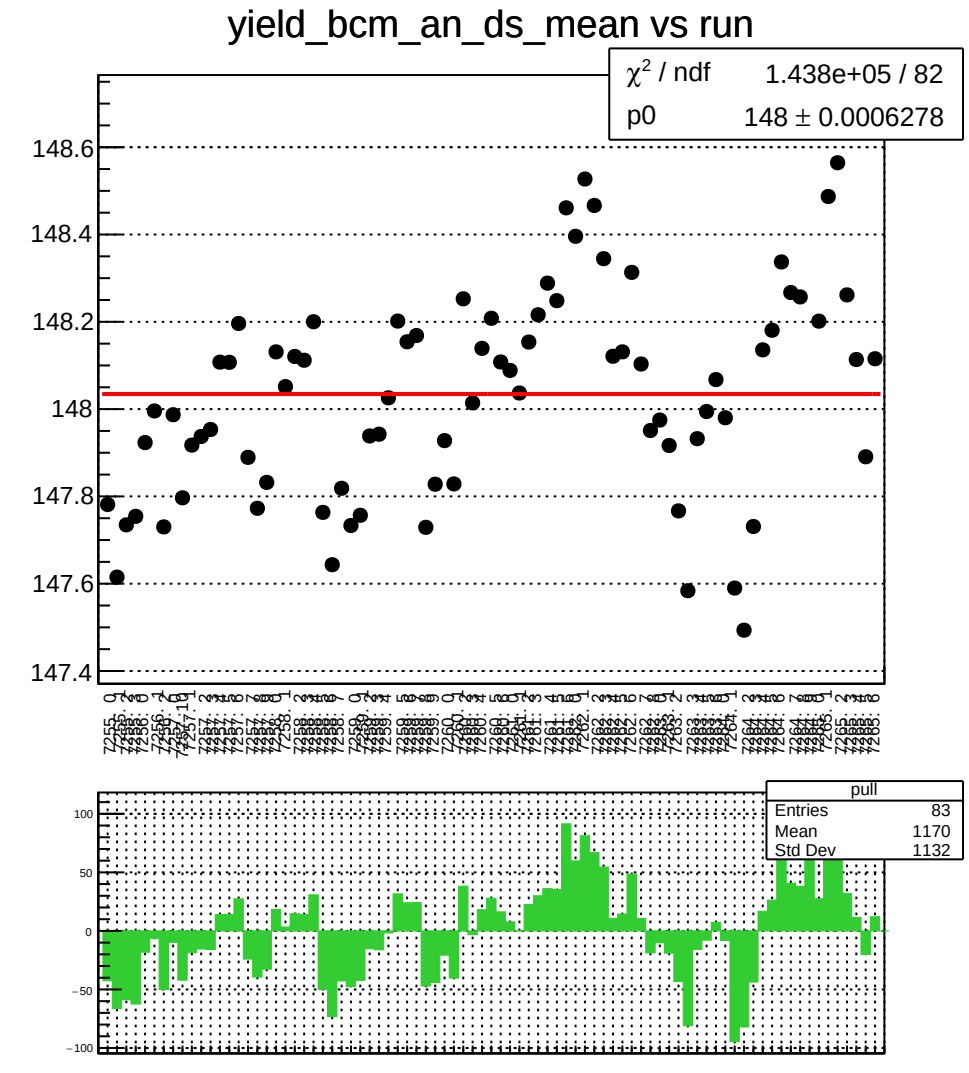

pull1D
Entries 83
Mean −0.05565
Std Dev 5.139
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

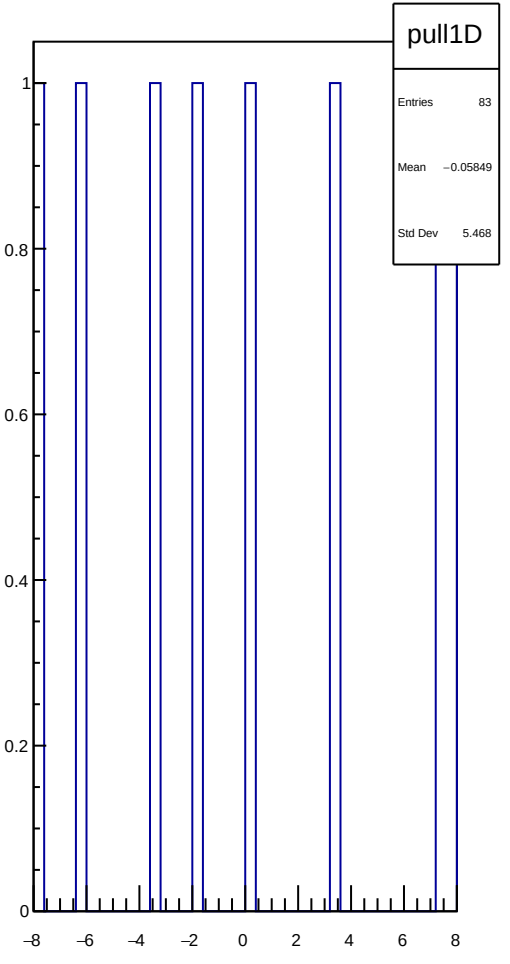

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.116e+04 / 82
p0 0.000121 ± 9.598e−08
0.16
0.15
0.14
0.13
0.12
0.11

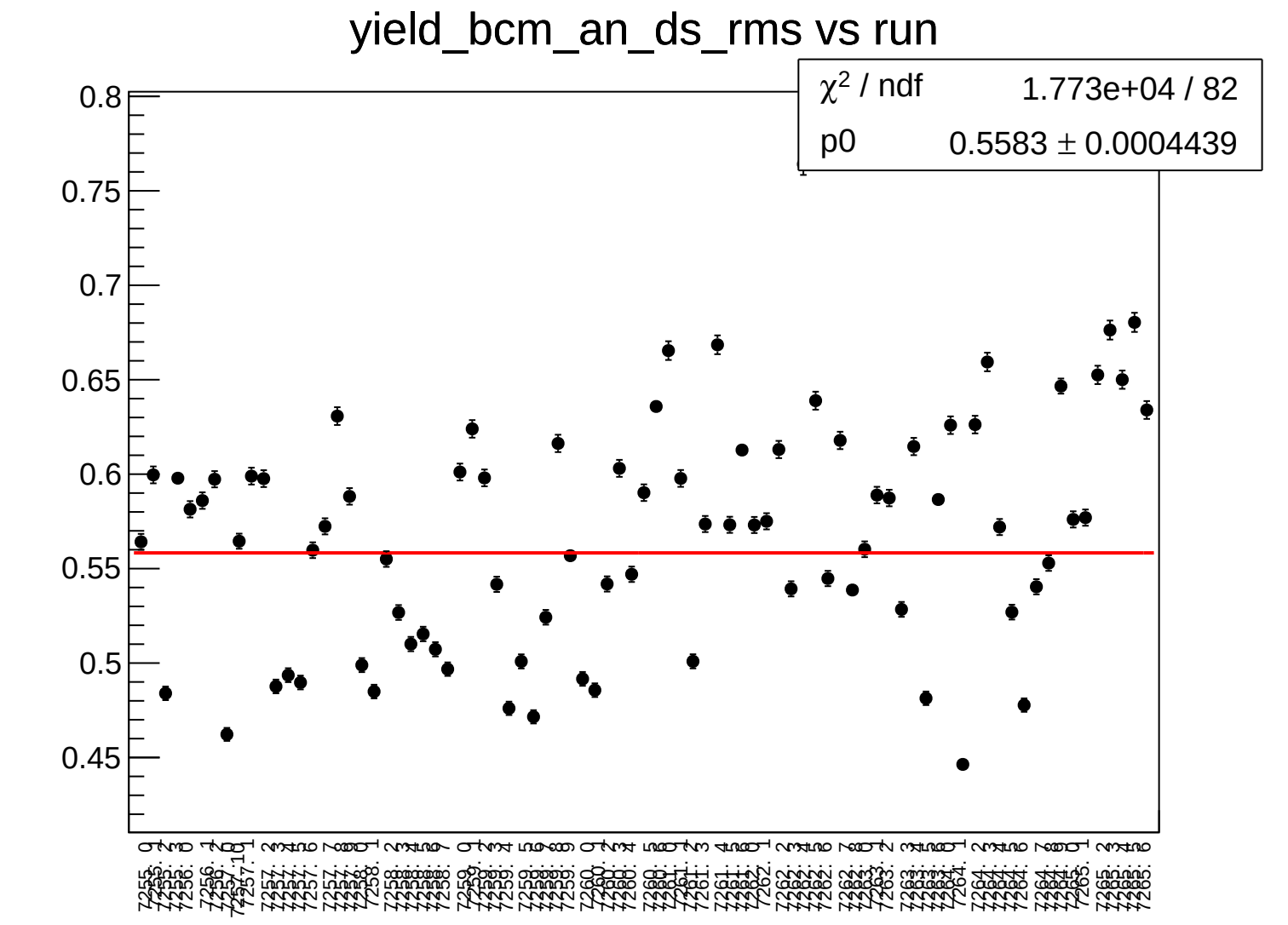

yield_atr2_mean vs run
χ² / ndf 9.796e+04 / 82
p0 0.02765 ± 3.345e−07
0.0292
0.029
0.0288
0.0286
0.0284
0.0282
0.028
0.0278
0.0276
0.0274
0.0272
pull
Entries 83
Mean −348.3
Std Dev 389.3
150
100
50
0
−50

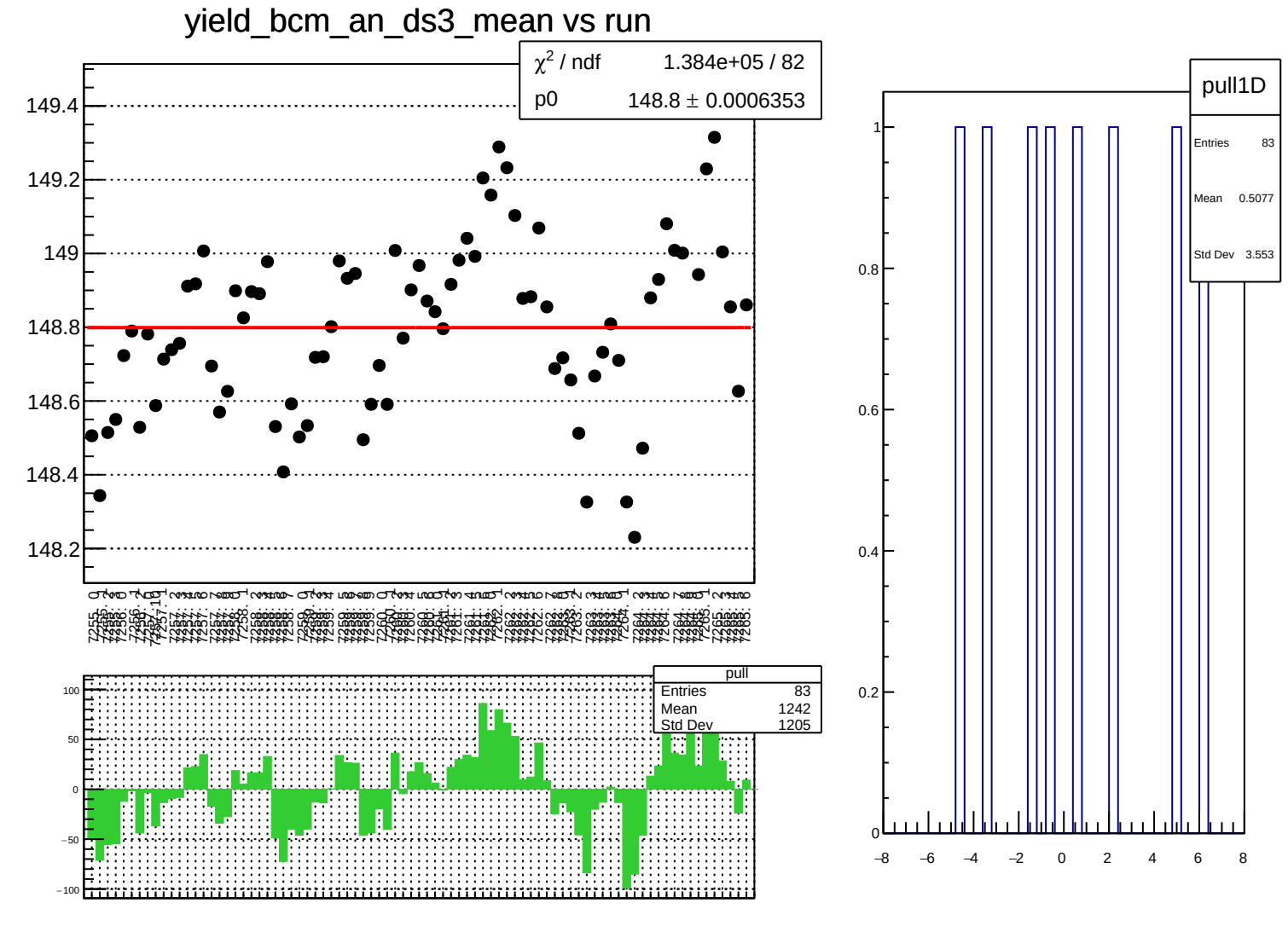

pull1D
Entries 83
Mean −0.9196
Std Dev 4.972
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

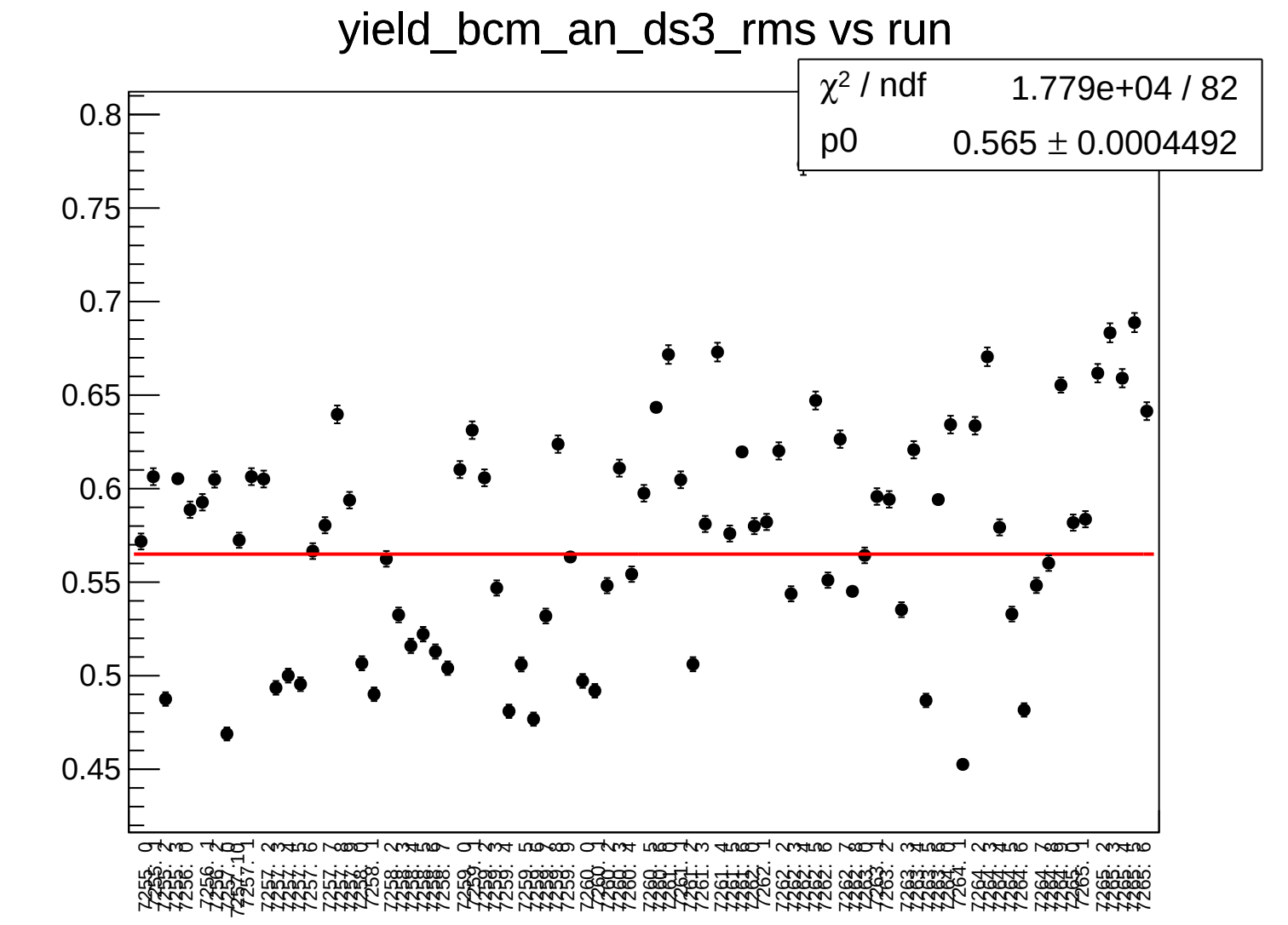

yield_atr2_rms vs run
×10⁻³
χ² / ndf 8.099e+04 / 82
p0 0.0002915 ± 2.365e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

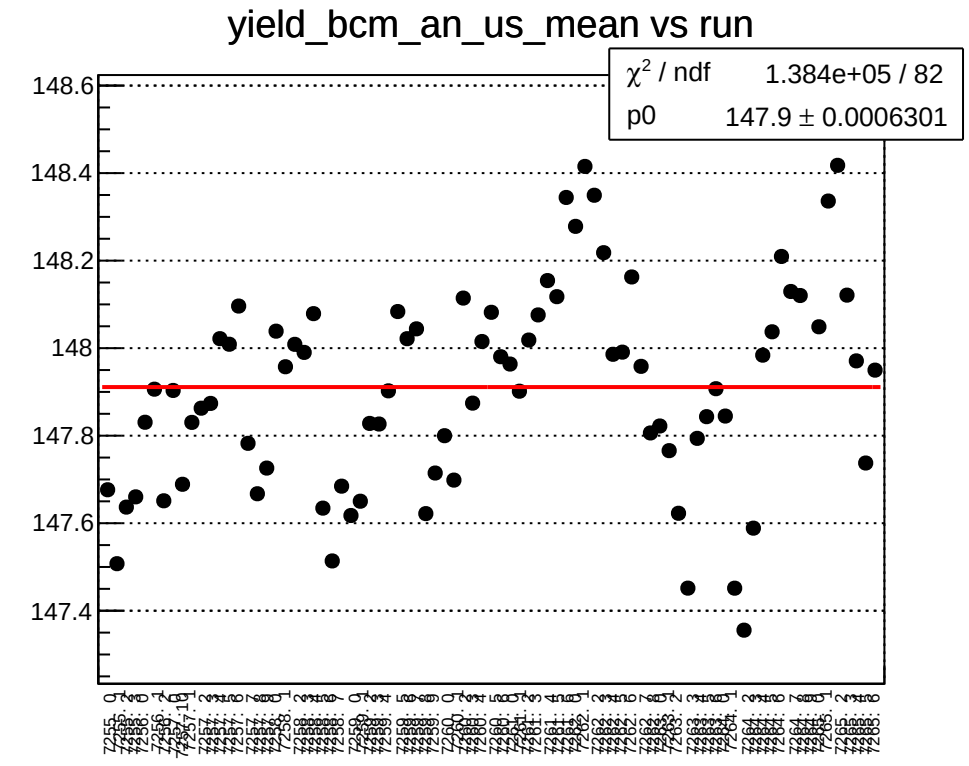

yield_bcm_an_ds_mean vs run
χ² / ndf 1.438e+05 / 82
p0 148 ± 0.0006278
148.6
148.4
148.2
148
147.8
147.6
147.4
pull
Entries 83
Mean 1170
Std Dev 1132
100
50
0
−50
−100

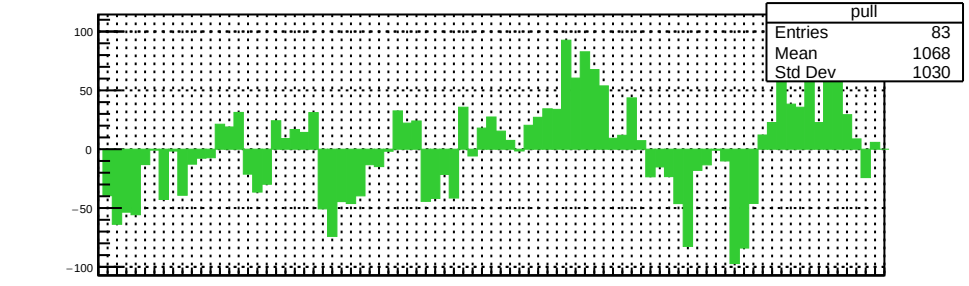

pull1D
Entries 83
Mean −0.05849
Std Dev 5.468
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

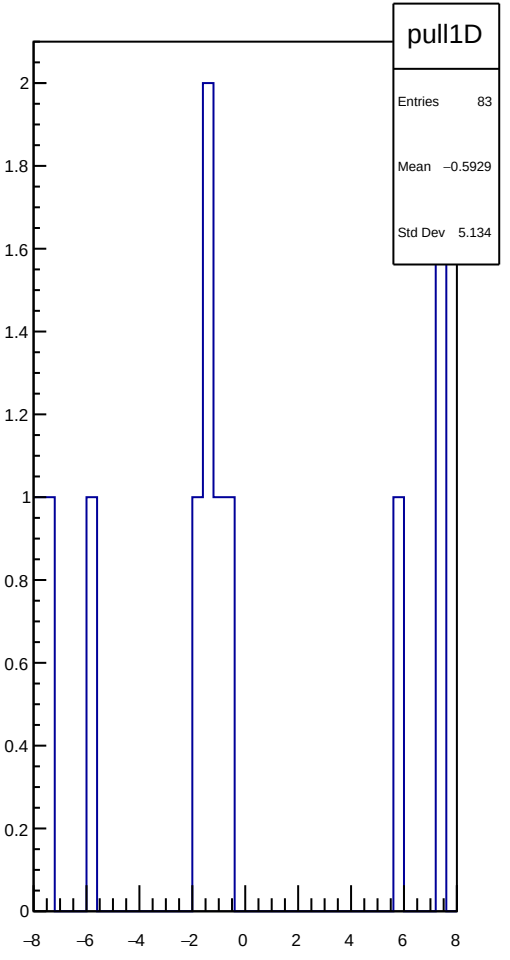

yield_bcm_an_ds_rms vs run
χ² / ndf 1.773e+04 / 82
p0 0.5583 ± 0.0004439
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45

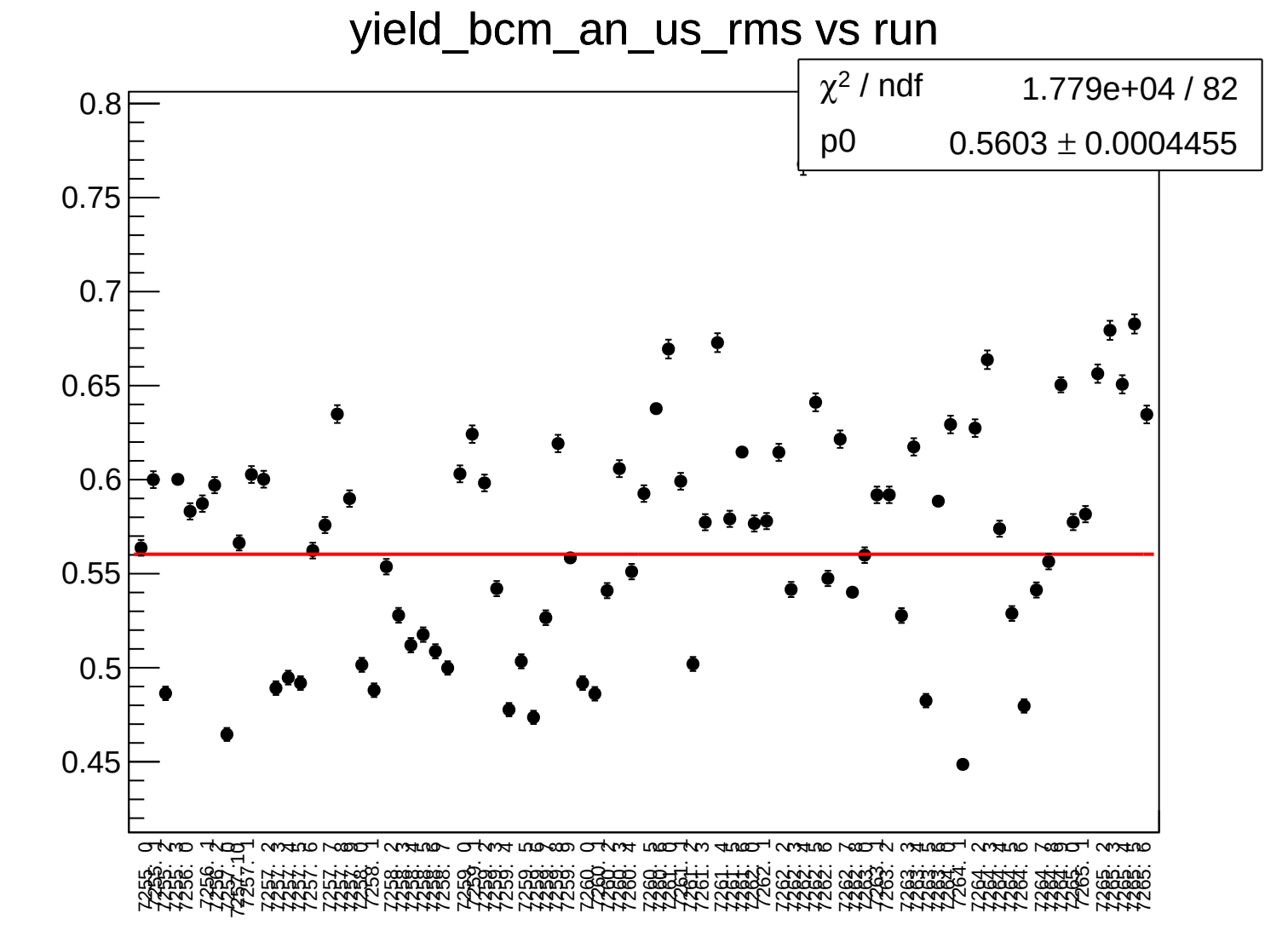

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.384e+05 / 82
p0 148.8 ± 0.0006353
149.4
149.2
149
148.8
148.6
148.4
148.2
pull
Entries 83
Mean 1242
Std Dev 1205
100
50
0
−50
−100
pull1D
Entries 83
Mean 0.5077
Std Dev 3.553
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

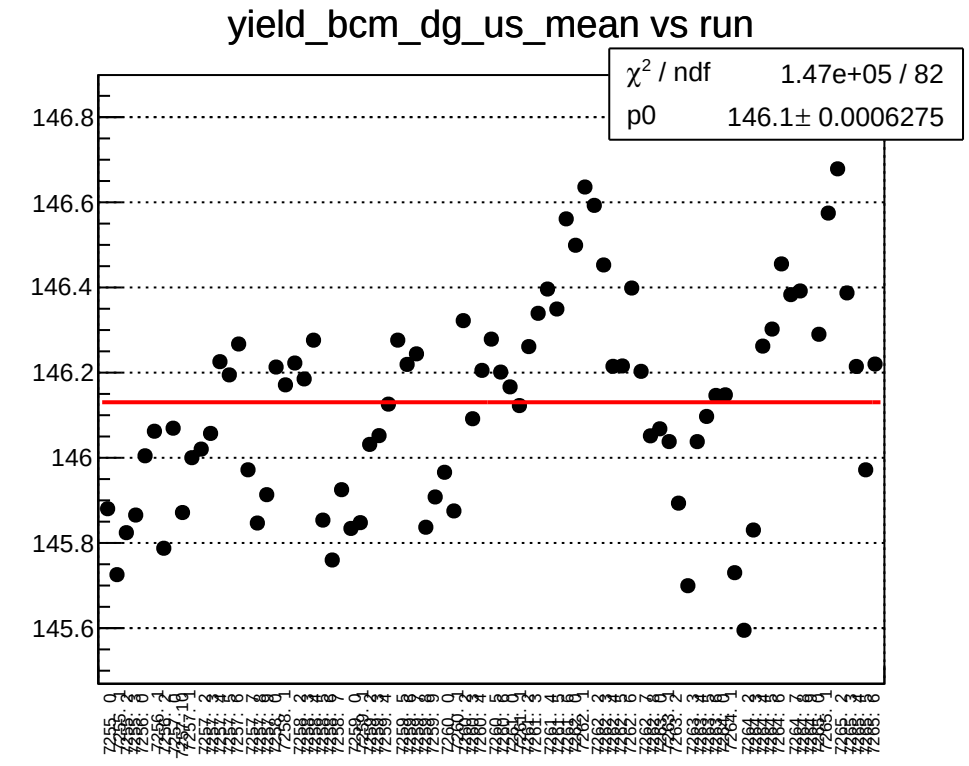

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.779e+04 / 82
p0 0.565 ± 0.0004492
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45

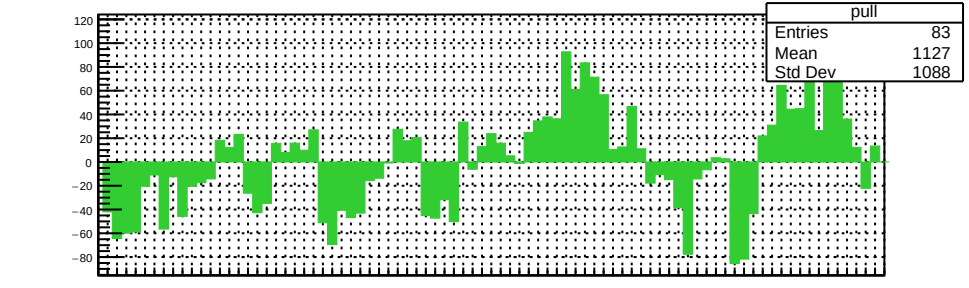

yield_bcm_an_us_mean vs run
χ² / ndf 1.384e+05 / 82
p0 147.9 ± 0.0006301
148.6
148.4
148.2
148
147.8
147.6
147.4

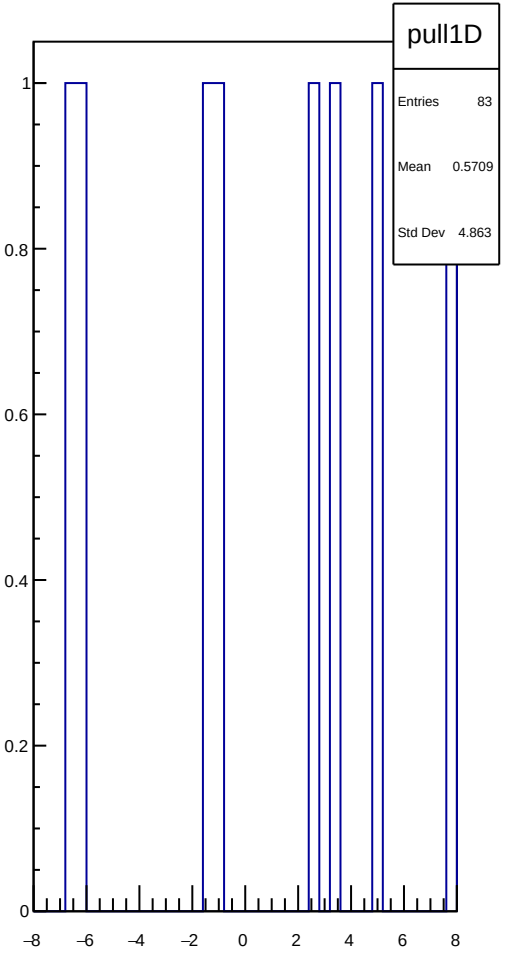

pull
Entries 83
Mean 1068
Std Dev 1030
100
50
0
−50
−100

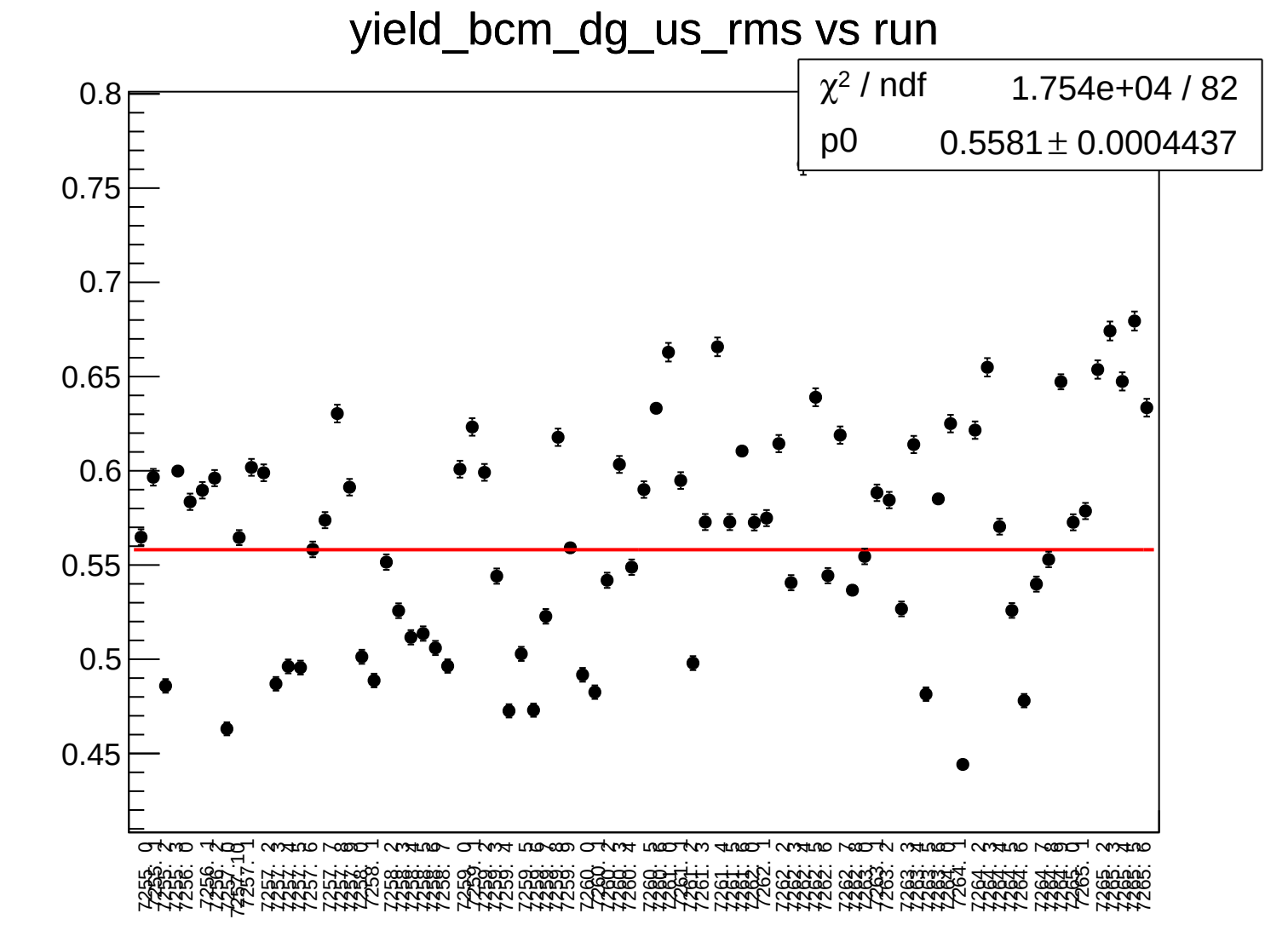

pull1D
Entries 83
Mean −0.5929
Std Dev 5.134
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

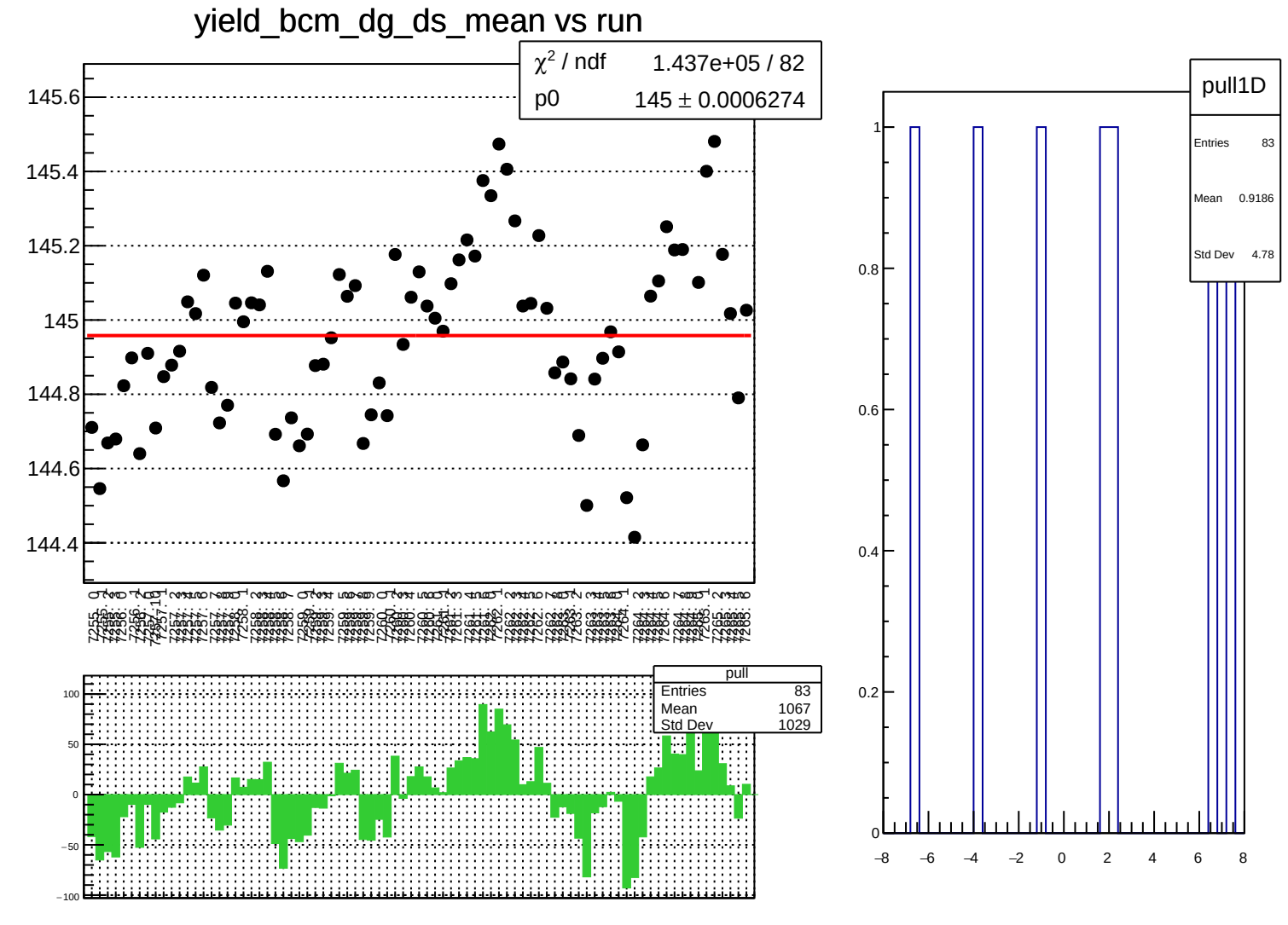

yield_bcm_an_us_rms vs run
χ2 / ndf 1.779e+04 / 82
p0 0.5603 ± 0.0004455
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45

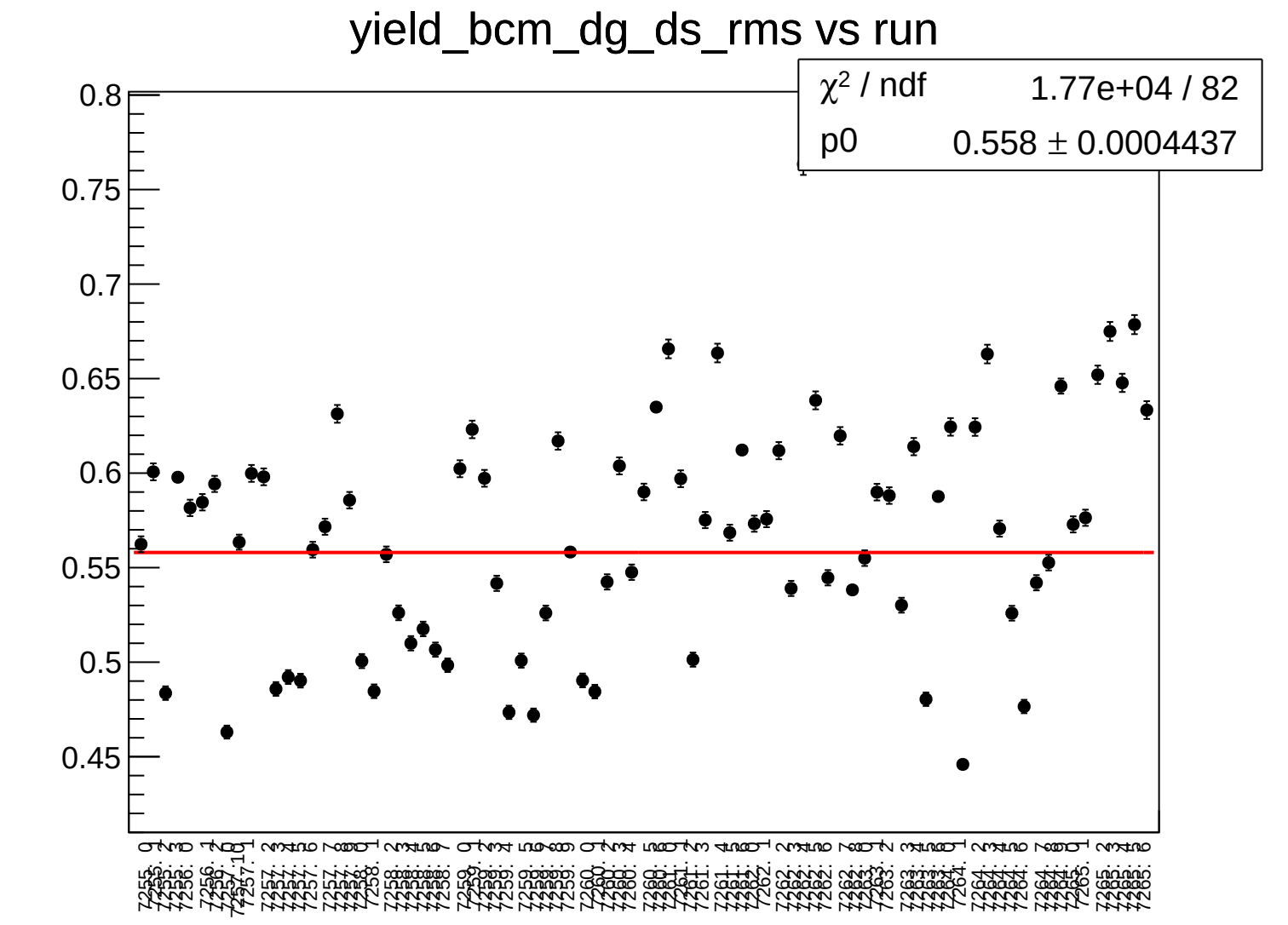

yield_bcm_dg_us_mean vs run
χ² / ndf 1.47e+05 / 82
p0 146.1± 0.0006275
146.8
146.6
146.4
146.2
146
145.8
145.6

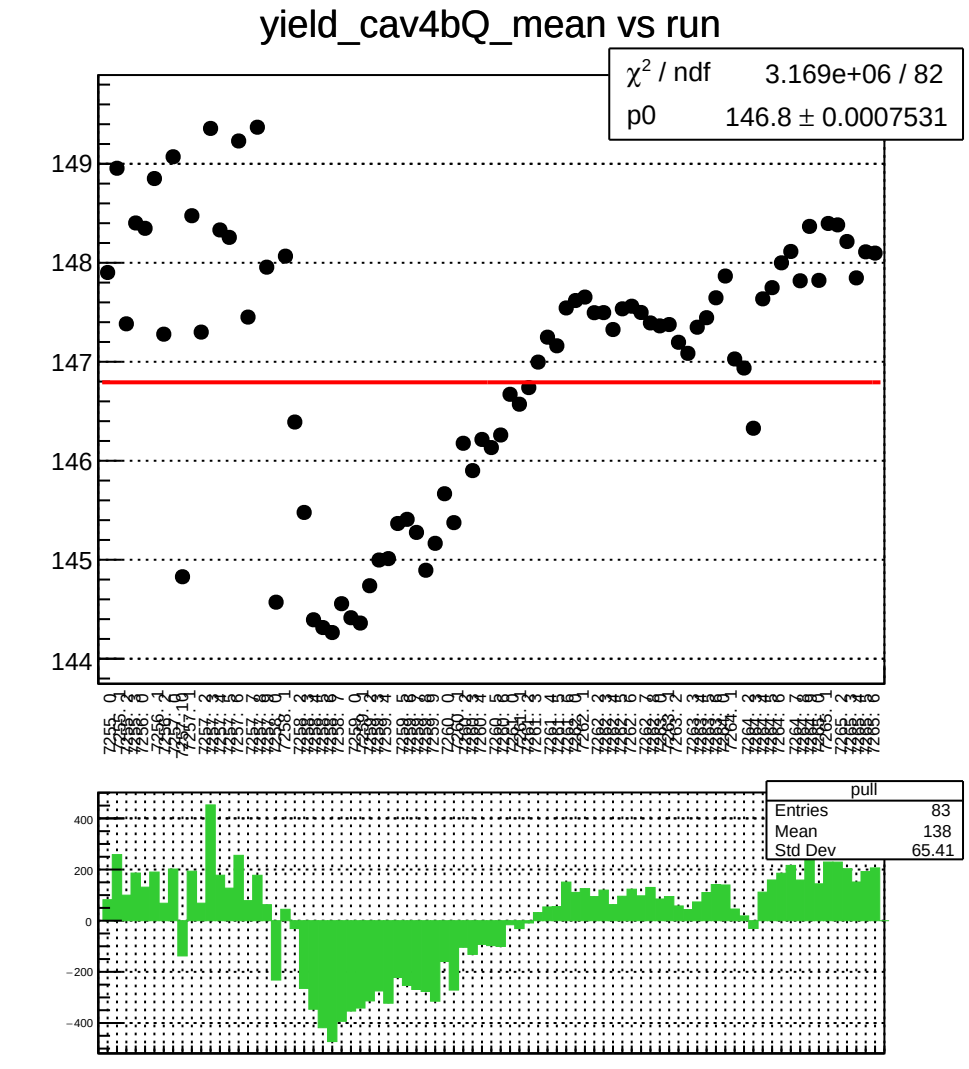

pull
Entries 83
Mean 1127
Std Dev 1088
120
100
80
60
40
20
0
−20
−40
−60
−80

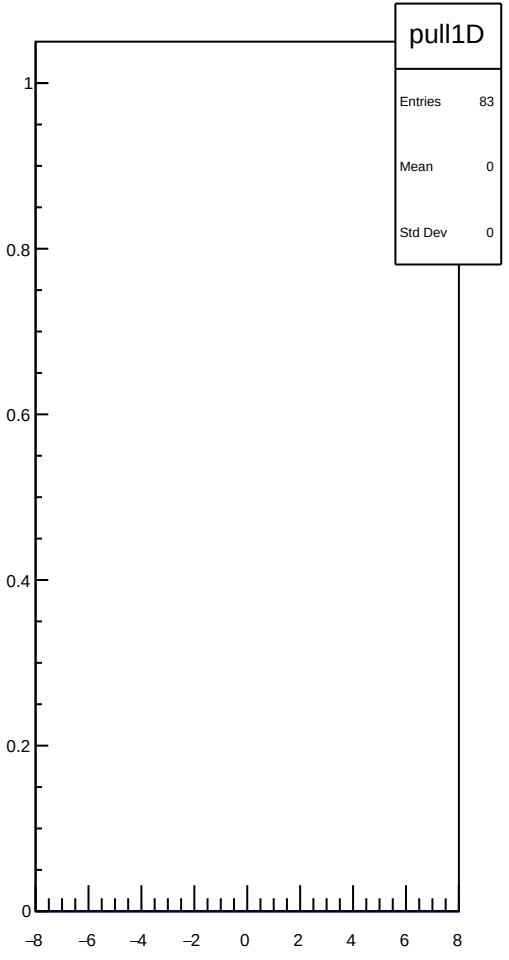

pull1D
Entries 83
Mean 0.5709
Std Dev 4.863
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

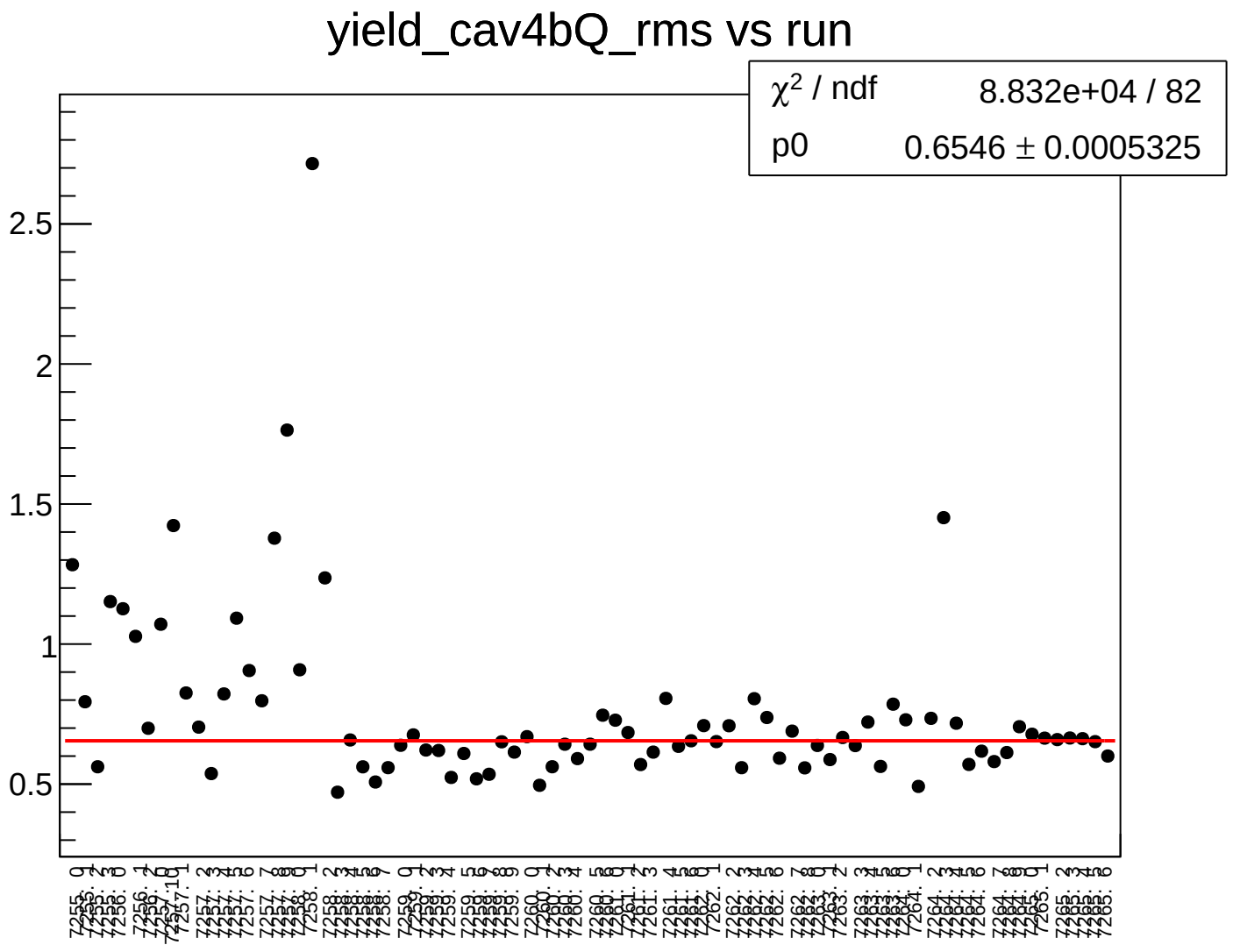

yield_bcm_dg_us_rms vs run
χ² / ndf 1.754e+04 / 82
p0 0.5581 ± 0.0004437
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45

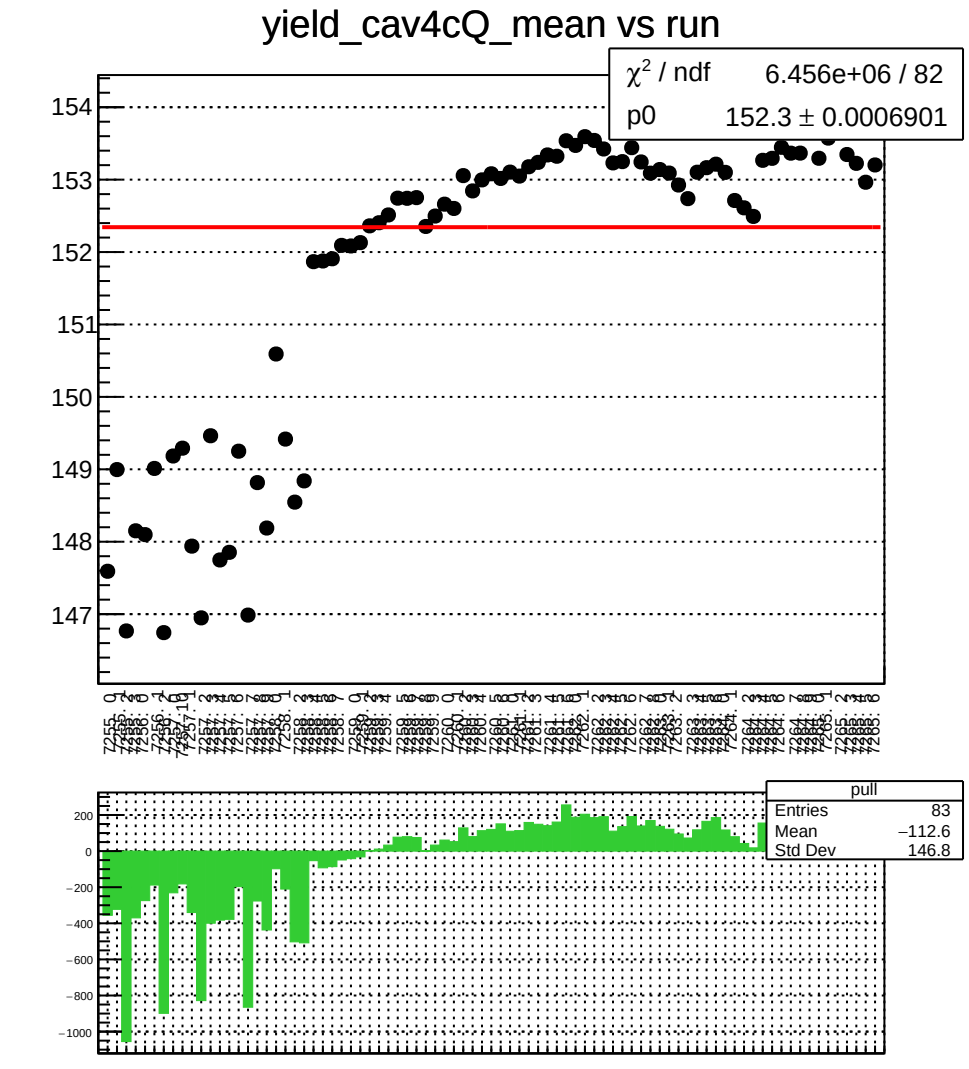

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.437e+05 / 82
p0 145 ± 0.0006274
145.6
145.4
145.2
145
144.8
144.6
144.4
pull
Entries 83
Mean 1067
Std Dev 1029
100
50
0
−50
−100
pull1D
Entries 83
Mean 0.9186
Std Dev 4.78
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

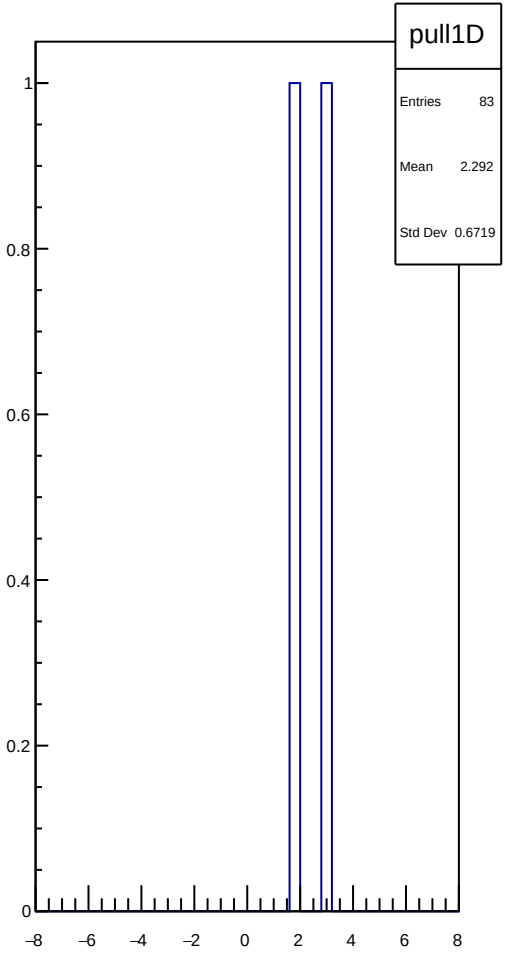

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.77e+04 / 82
p0 0.558 ± 0.0004437
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45


yield_cav4bQ_mean vs run
χ² / ndf 3.169e+06 / 82
p0 146.8 ± 0.0007531
149
148
147
146
145
144
pull
Entries 83
Mean 138
Std Dev 65.41
400
200
0
−200
−400

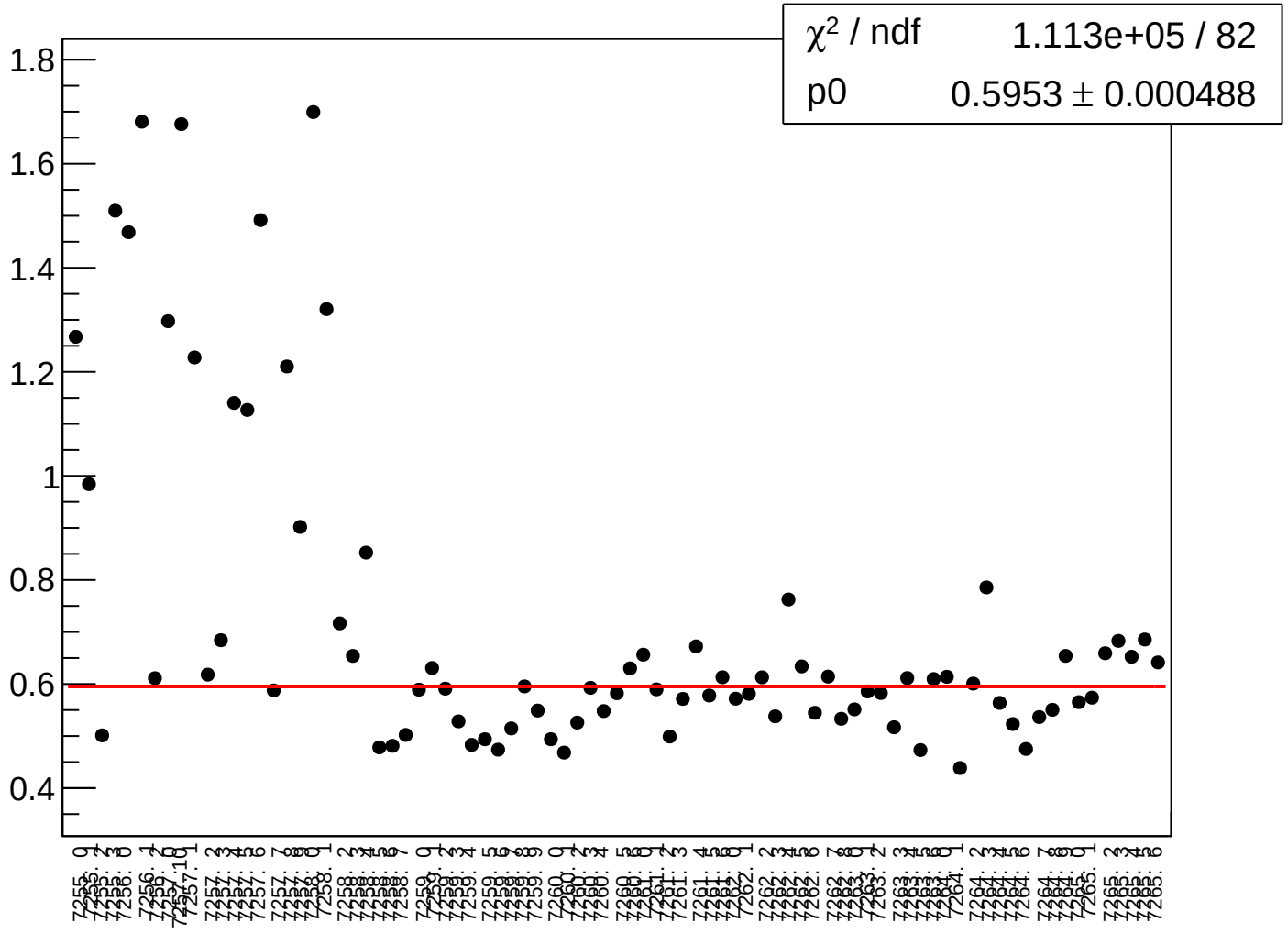

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

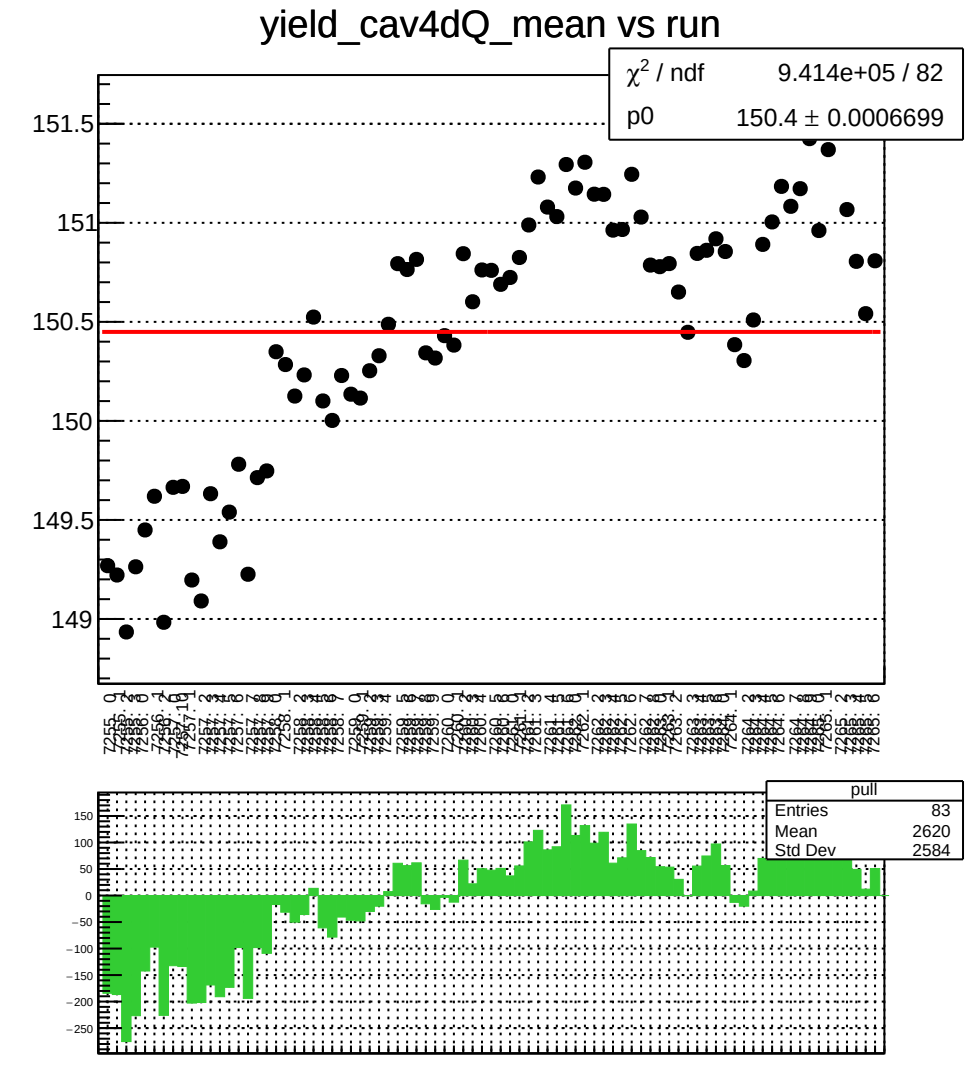

yield_cav4bQ_rms vs run
χ² / ndf 8.832e+04 / 82
p0 0.6546 ± 0.0005325
2.5
2
1.5
1
0.5

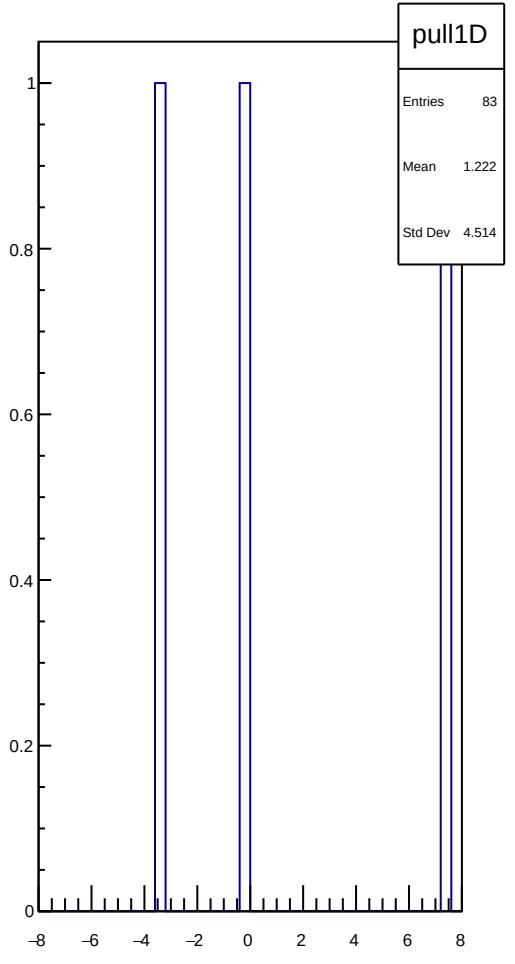

yield_cav4cQ_mean vs run
χ² / ndf 6.456e+06 / 82
p0 152.3 ± 0.0006901
154
153
152
151
150
149
148
147
pull
Entries 83
Mean −112.6
Std Dev 146.8
200
0
−200
−400
−600
−800
−1000

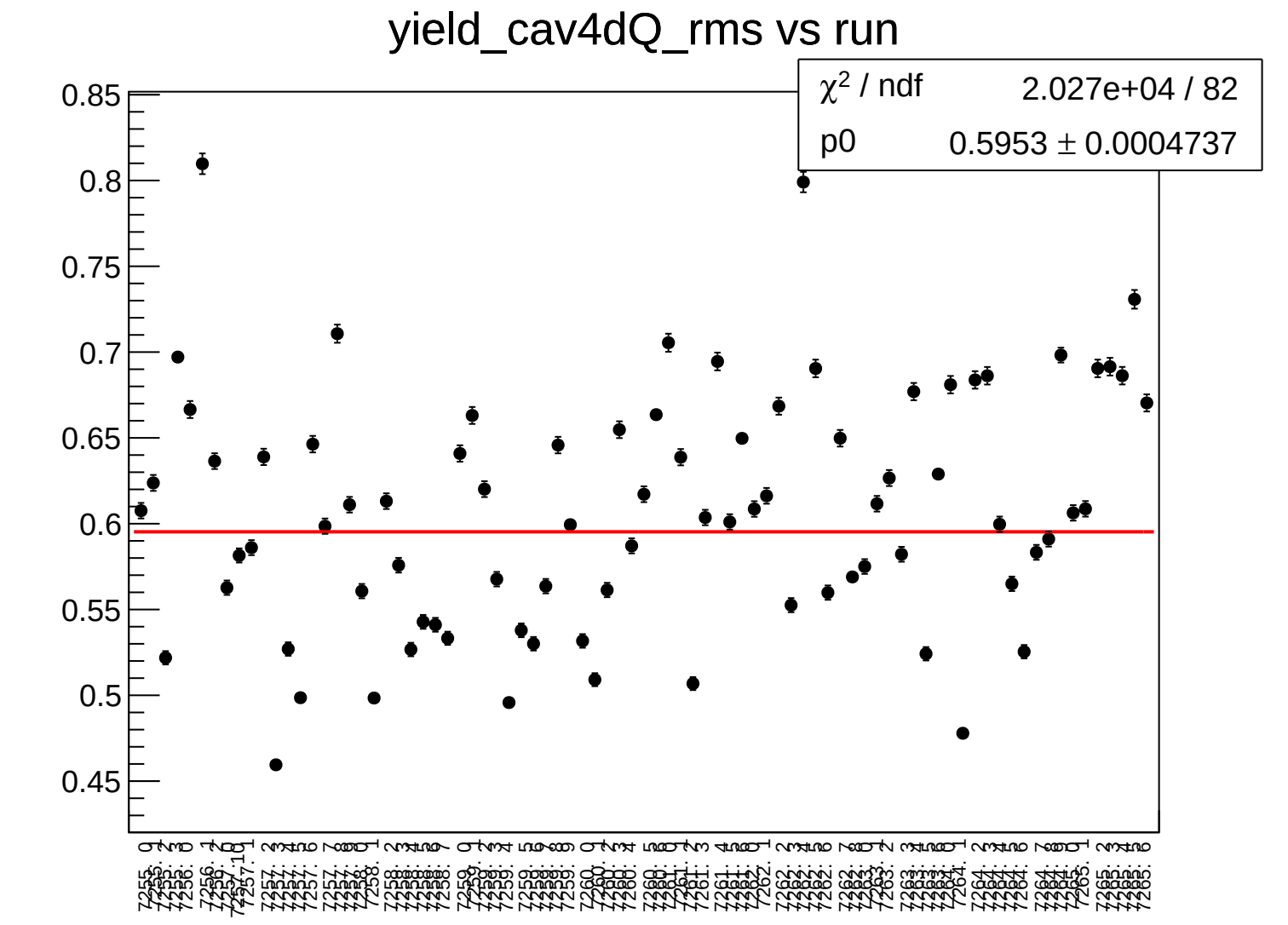

pull1D
Entries 83
Mean 2.292
Std Dev 0.6719
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

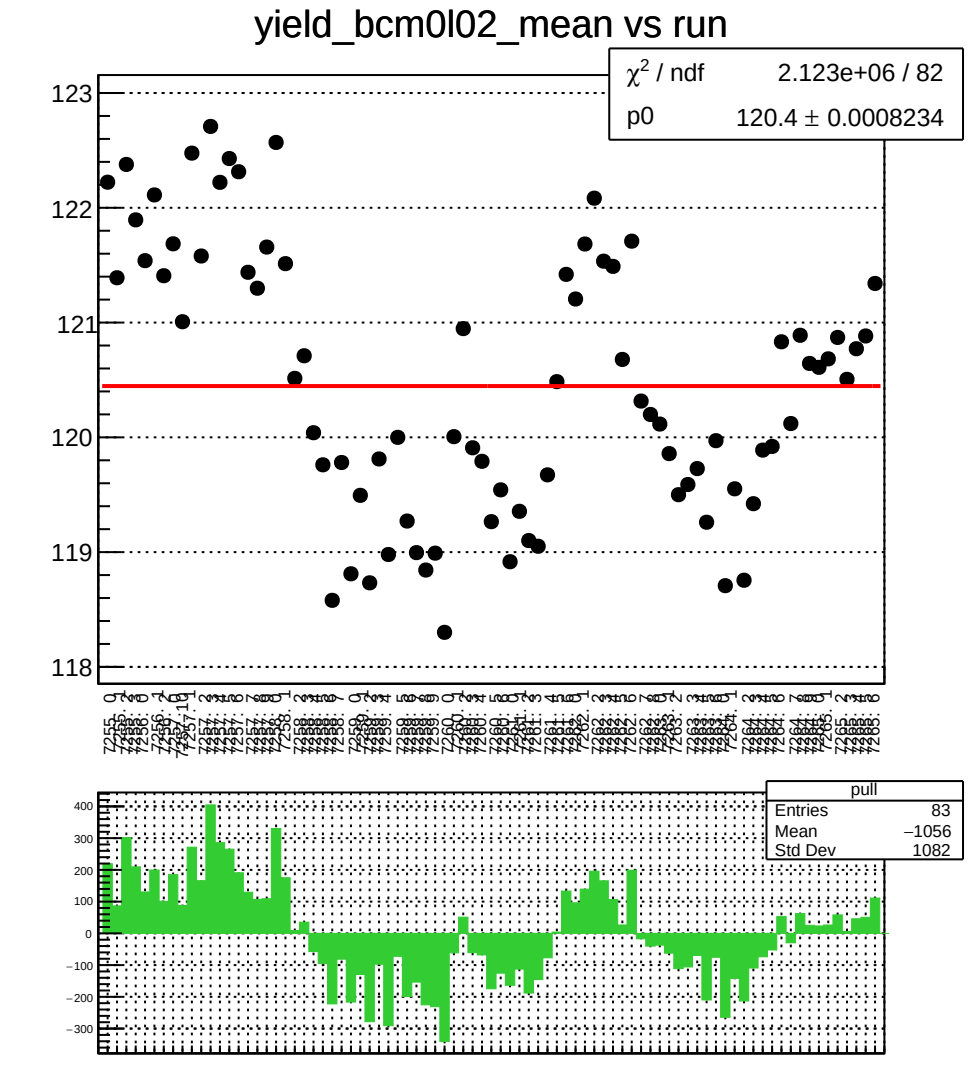
yield_cav4cQ_rms vs run

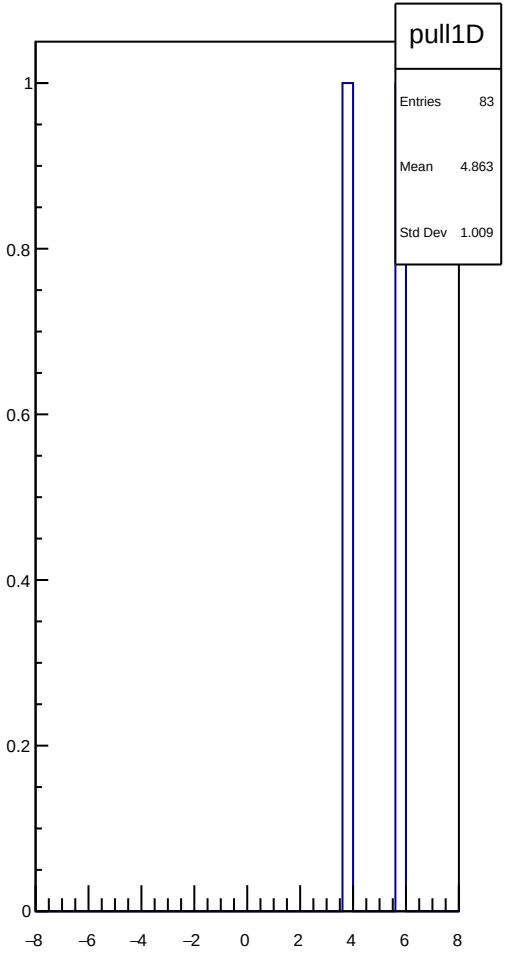


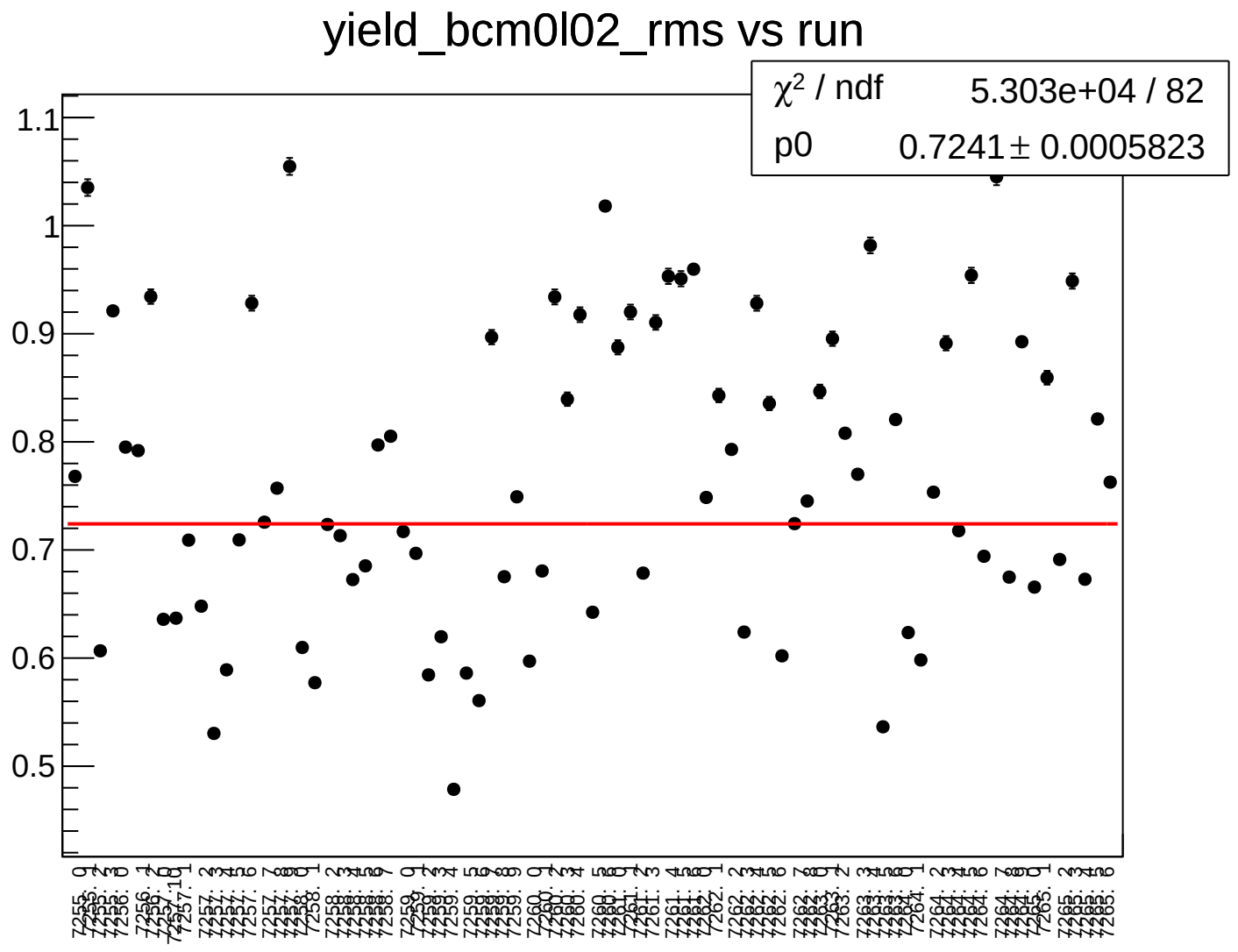

yield_cav4dQ_mean vs run
χ² / ndf 9.414e+05 / 82
p0 150.4 ± 0.0006699
151.5
151
150.5
150
149.5
149
pull
Entries 83
Mean 2620
Std Dev 2584
150
100
50
0
−50
−100
−150
−200
−250

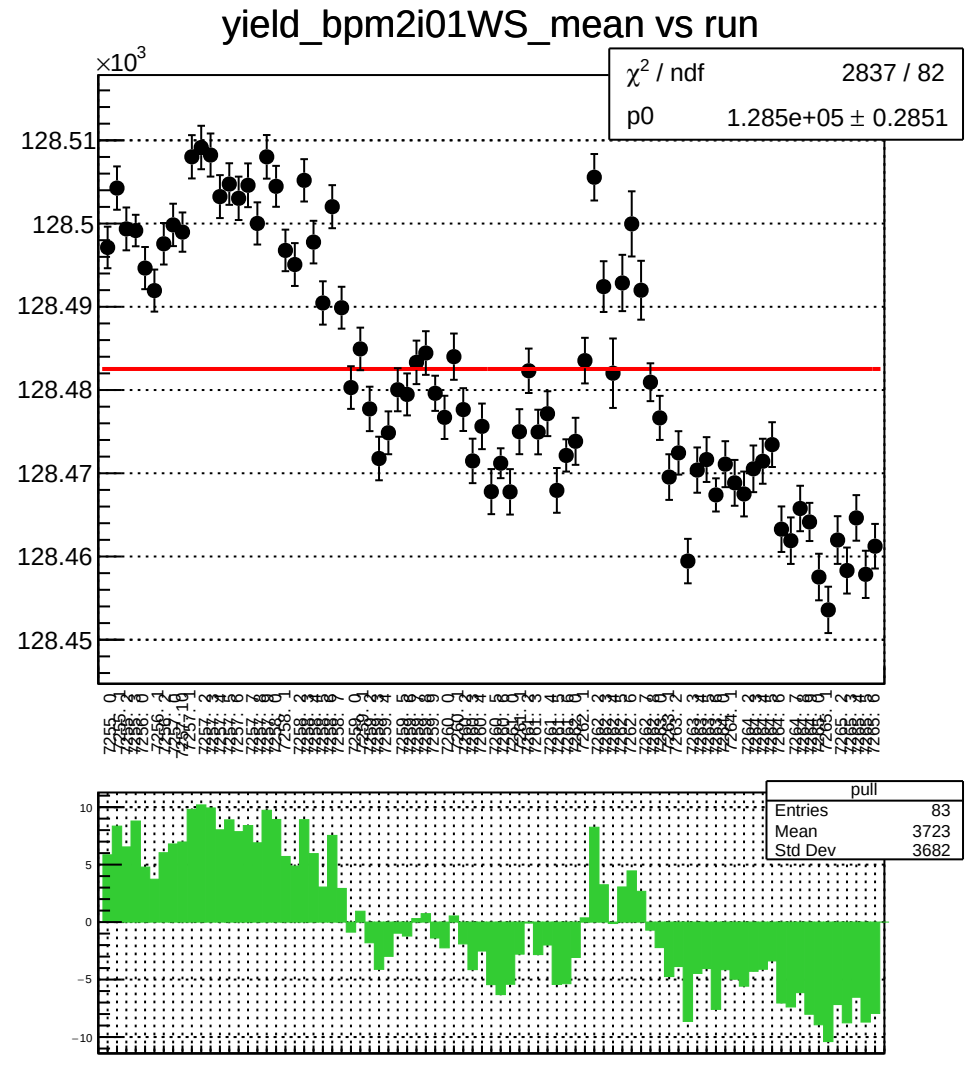

pull1D
Entries 83
Mean 1.222
Std Dev 4.514
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

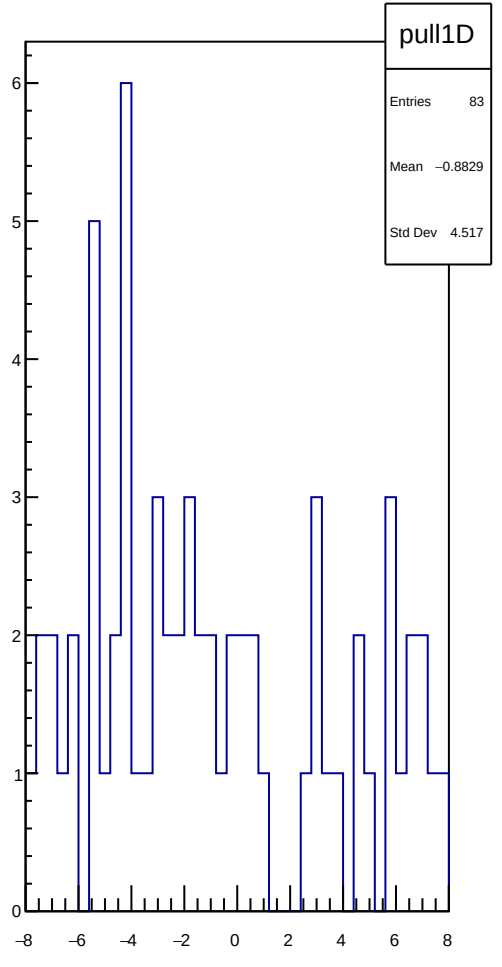

yield_cav4dQ_rms vs run
χ² / ndf 2.027e+04 / 82
p0 0.5953 ± 0.0004737
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45

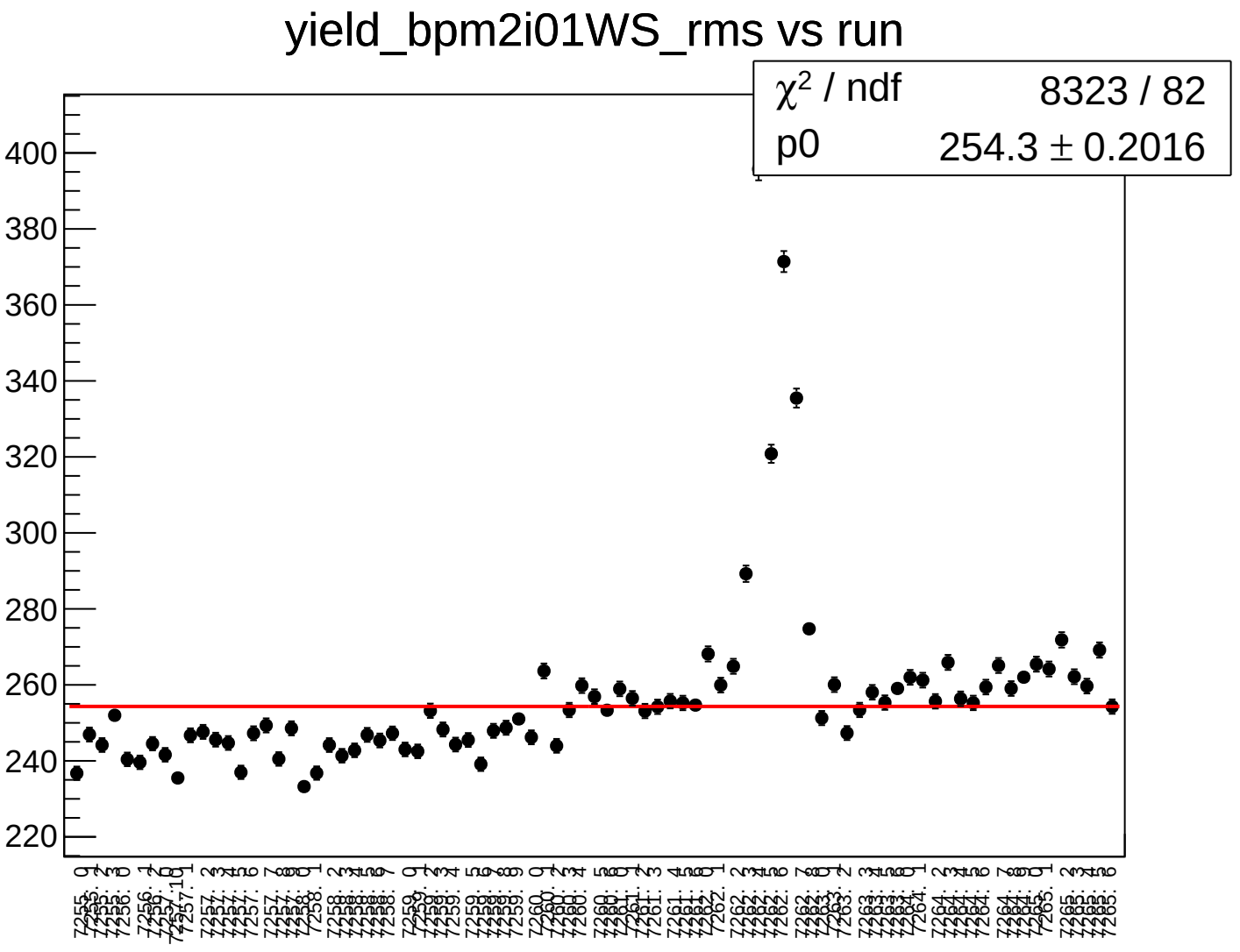

yield_bcm0l02_mean vs run
χ² / ndf 2.123e+06 / 82
p0 120.4 ± 0.0008234
123
122
121
120
119
118
pull
Entries 83
Mean −1056
Std Dev 1082
400
300
200
100
0
−100
−200
−300

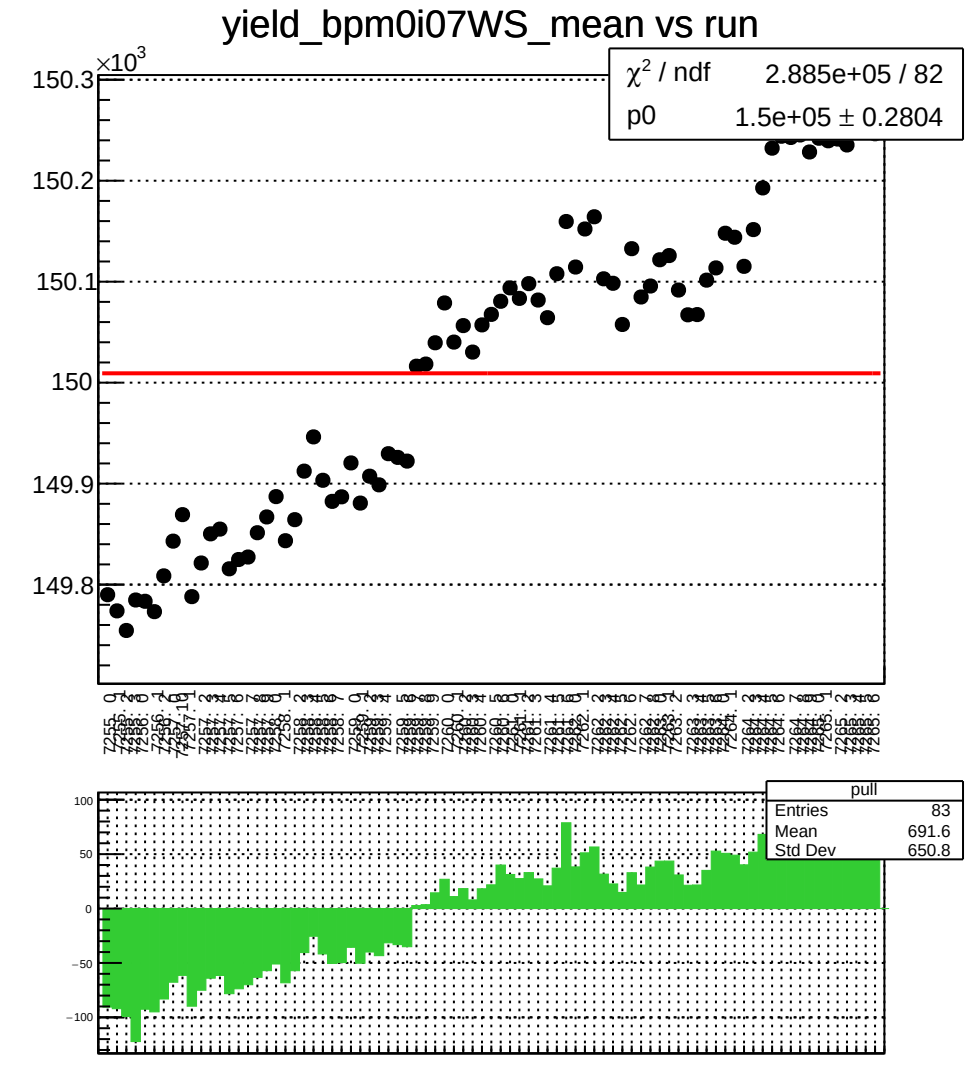

pull1D
Entries 83
Mean 4.863
Std Dev 1.009
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

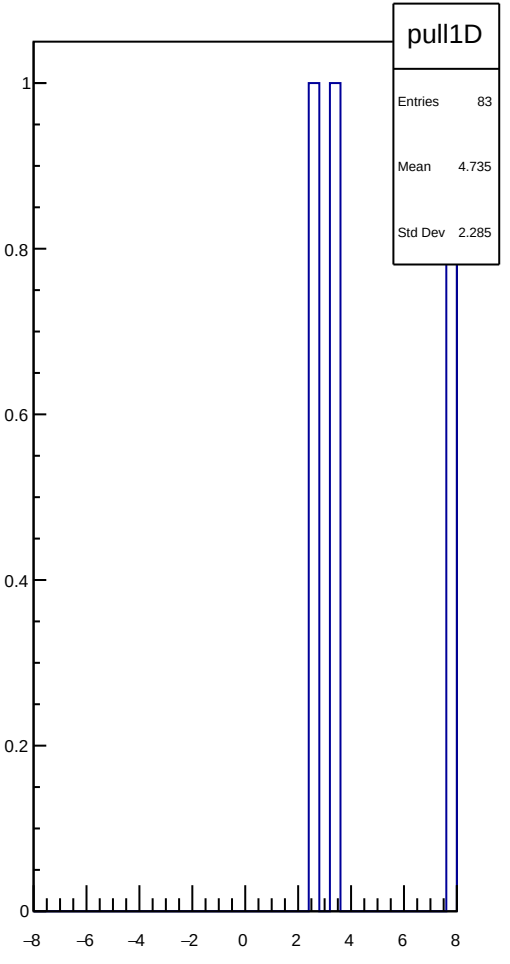

yield_bcm0l02_rms vs run
χ^2 / ndf 5.303e+04 / 82
p0 0.7241 ± 0.0005823
1.1
1
0.9
0.8
0.7
0.6
0.5

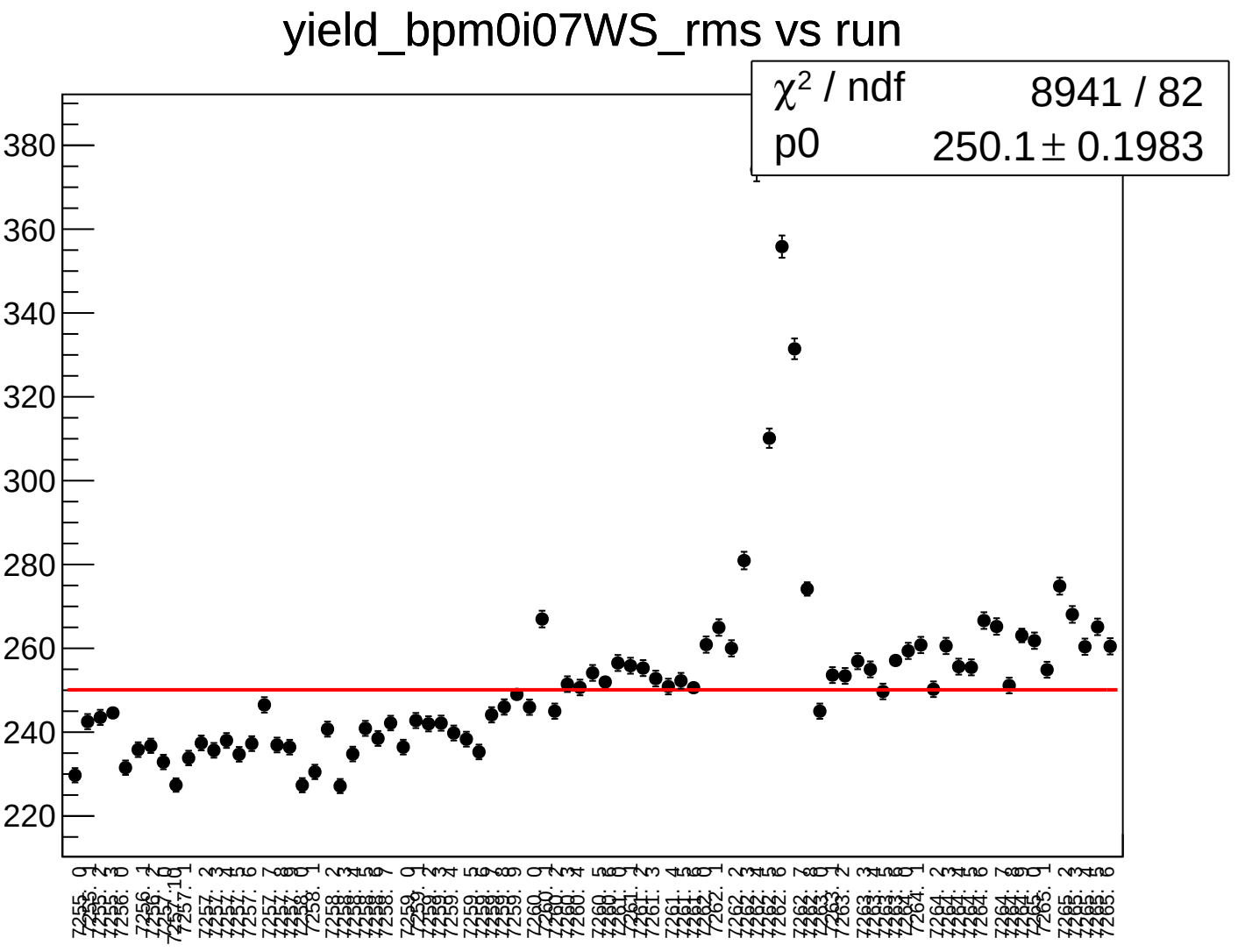

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2837 / 82
p0 1.285e+05 ± 0.2851
128.51
128.5
128.49
128.48
128.47
128.46
128.45
pull
Entries 83
Mean 3723
Std Dev 3682
10
5
0
−5
−10

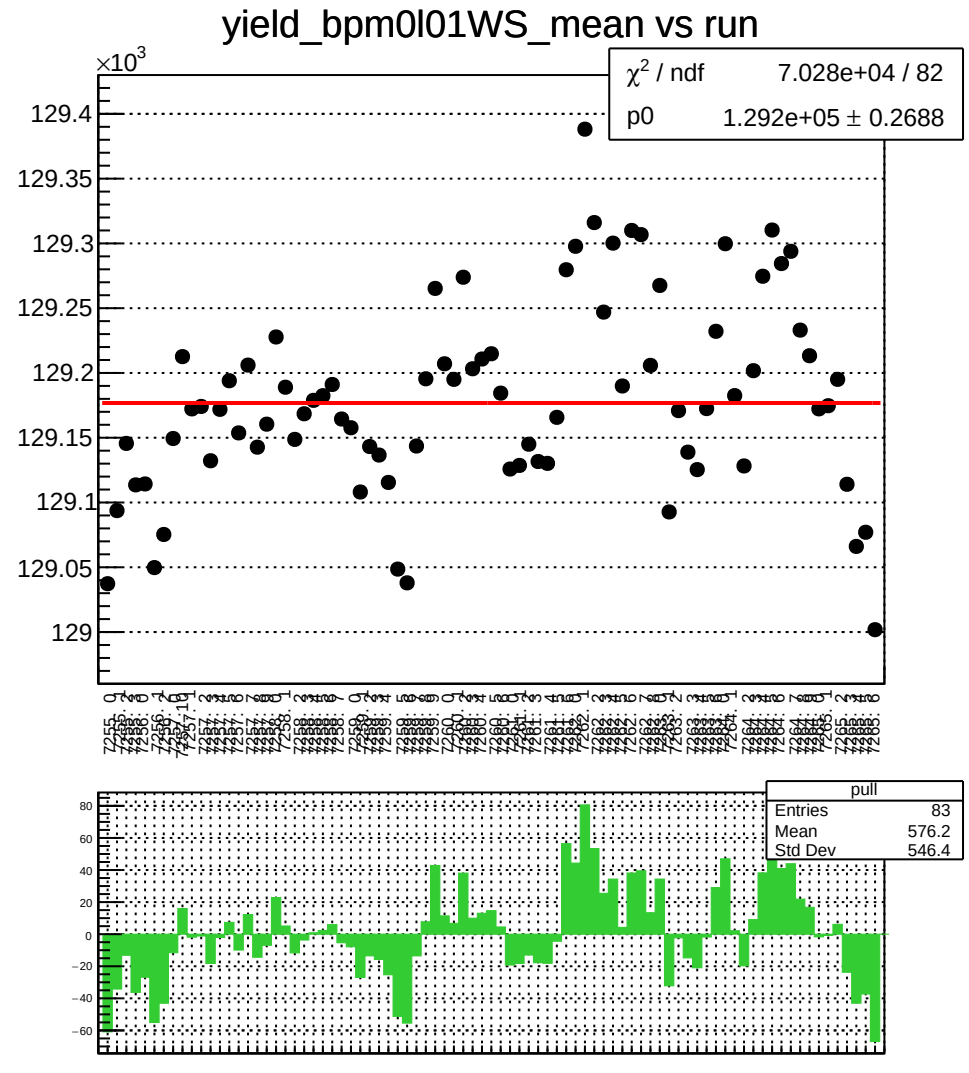

pull1D
Entries 83
Mean −0.8829
Std Dev 4.517
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

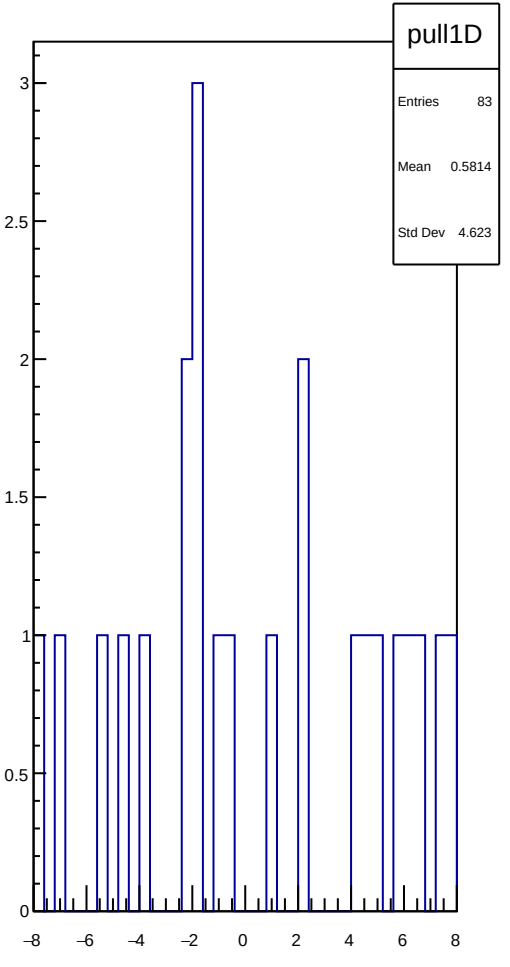

yield_bpm2i01WS_rms vs run
χ² / ndf 8323 / 82
p0 254.3 ± 0.2016
400
380
360
340
320
300
280
260
240
220

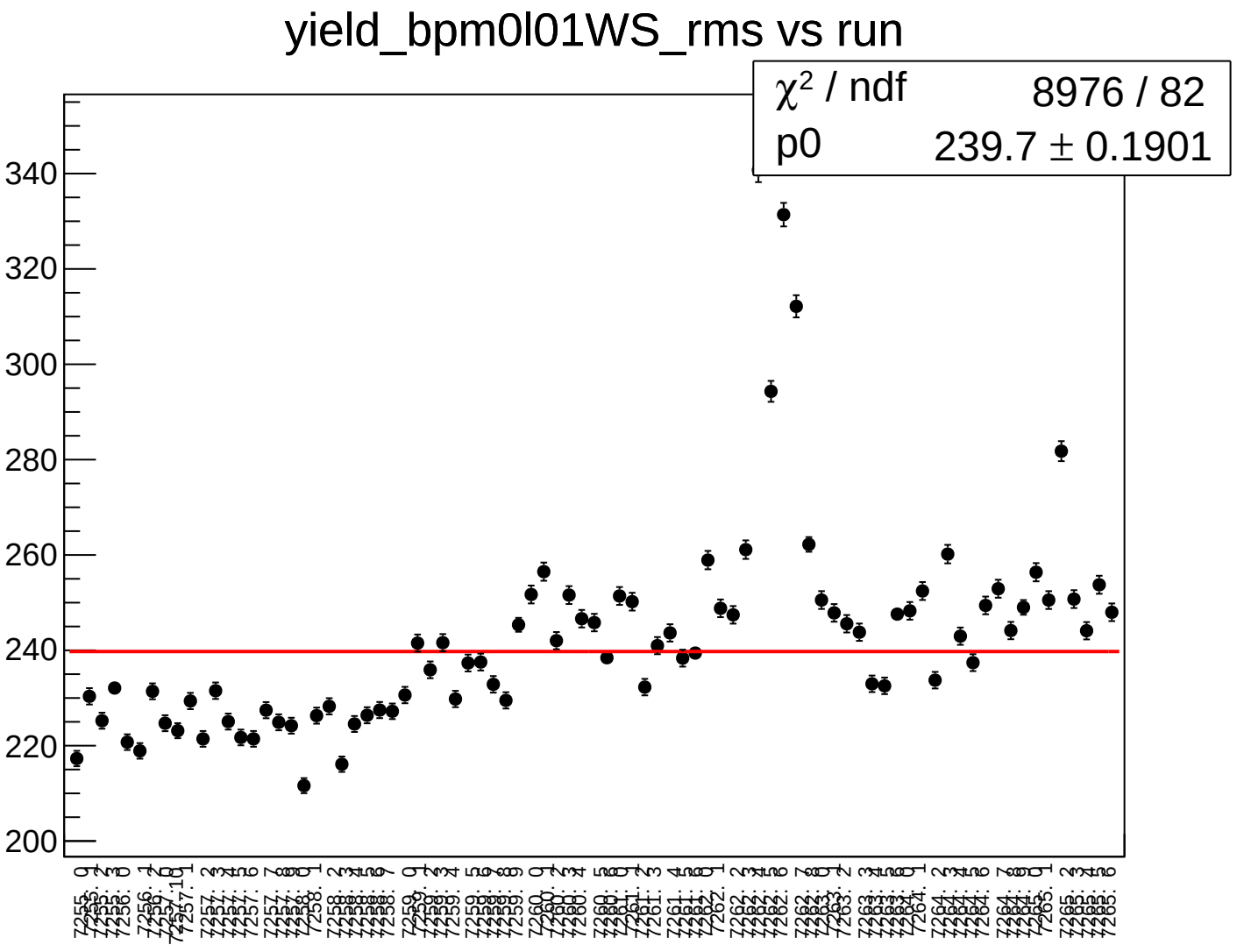

yield_bpm0i07WS_mean vs run
×10^3
150.3
150.2
150.1
150
149.9
149.8
χ² / ndf 2.885e+05 / 82
p0 1.5e+05 ± 0.2804
pull
Entries 83
Mean 691.6
Std Dev 650.8
100
50
0
−50
−100

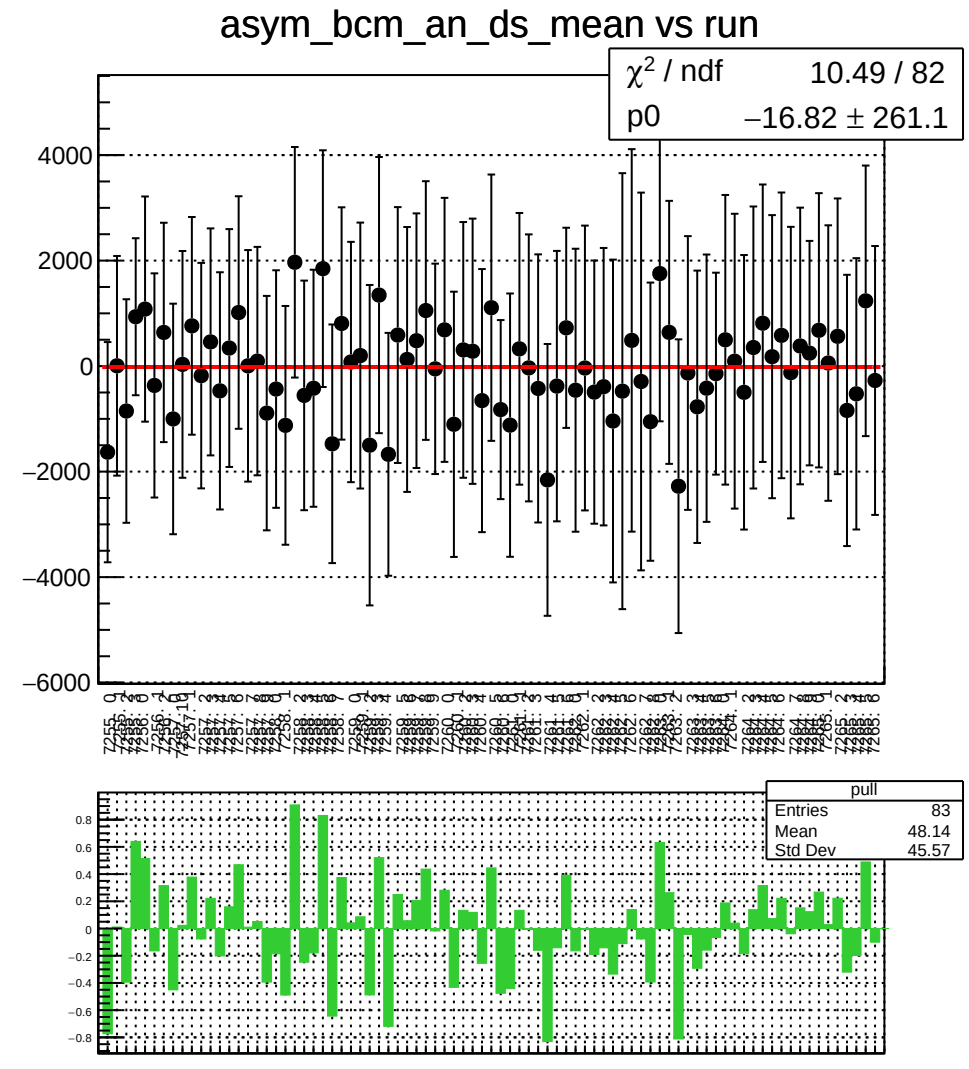

pull1D
Entries 83
Mean 4.735
Std Dev 2.285
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

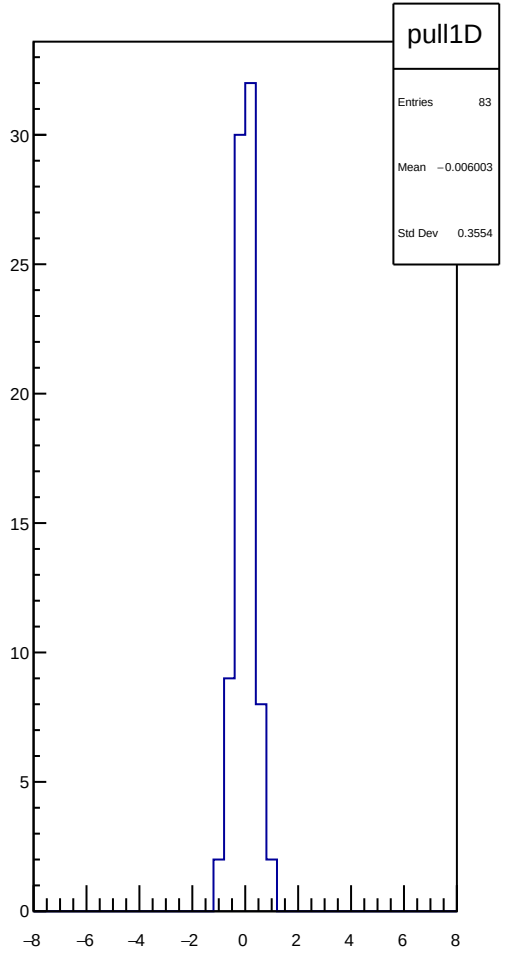

yield_bpm0i07WS_rms vs run
χ² / ndf 8941 / 82
p0 250.1 ± 0.1983
380
360
340
320
300
280
260
240
220

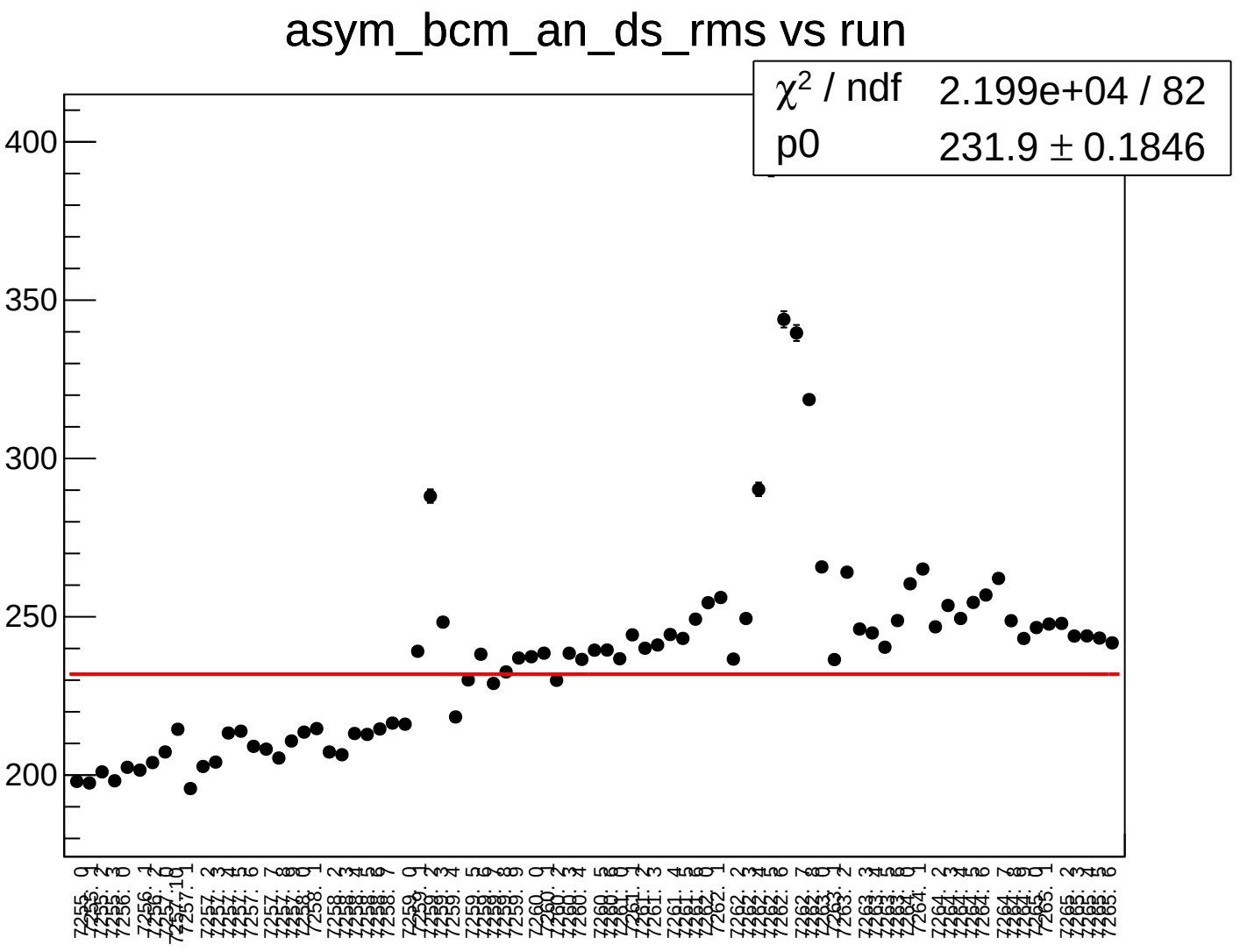

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 7.028e+04 / 82
p0 1.292e+05 ± 0.2688
129.4
129.35
129.3
129.25
129.2
129.15
129.1
129.05
129
pull
Entries 83
Mean 576.2
Std Dev 546.4
80
60
40
20
0
−20
−40
−60

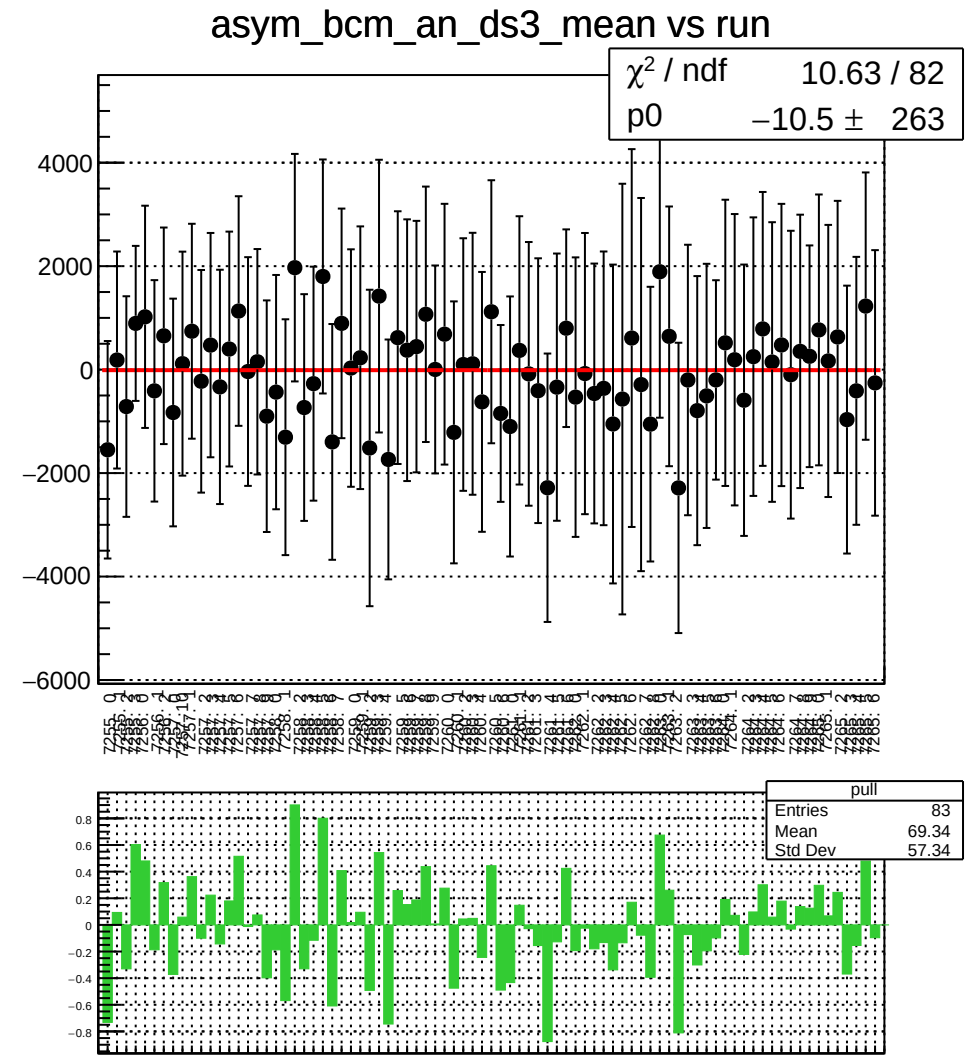

pull1D
Entries 83
Mean 0.5814
Std Dev 4.623
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

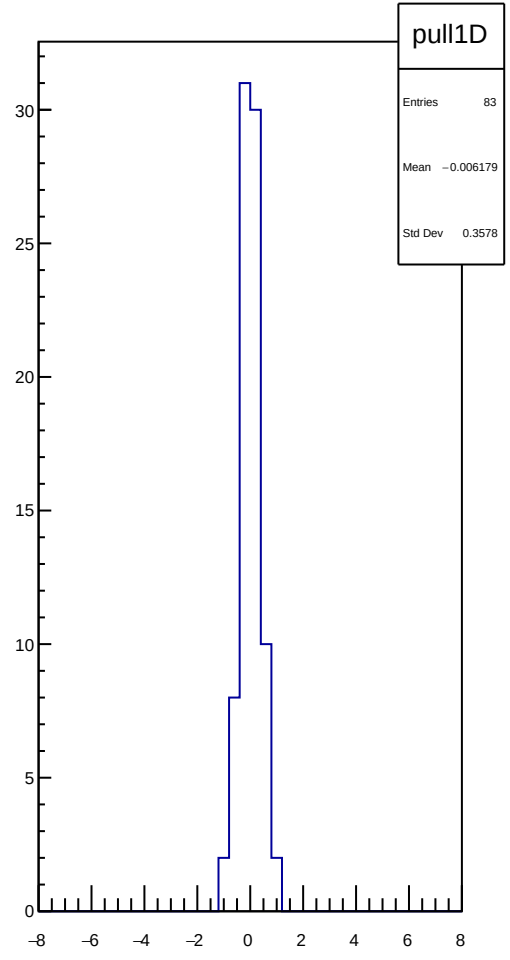

yield_bpm0l01WS_rms vs run
χ² / ndf 8976 / 82
p0 239.7 ± 0.1901
340
320
300
280
260
240
220
200

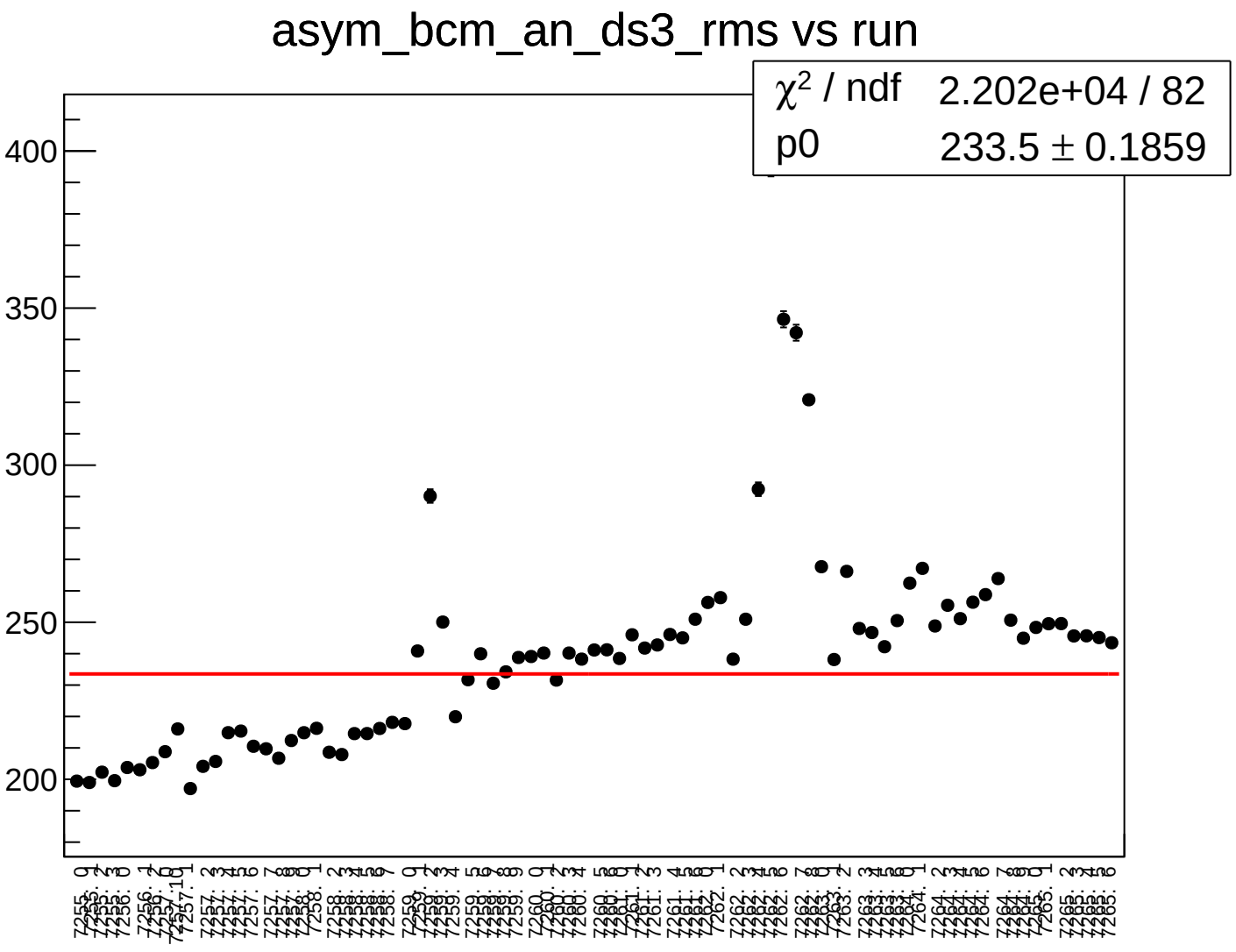

asym_bcm_an_ds_mean vs run
χ² / ndf 10.49 / 82
p0 −16.82 ± 261.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 48.14
Std Dev 45.57
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

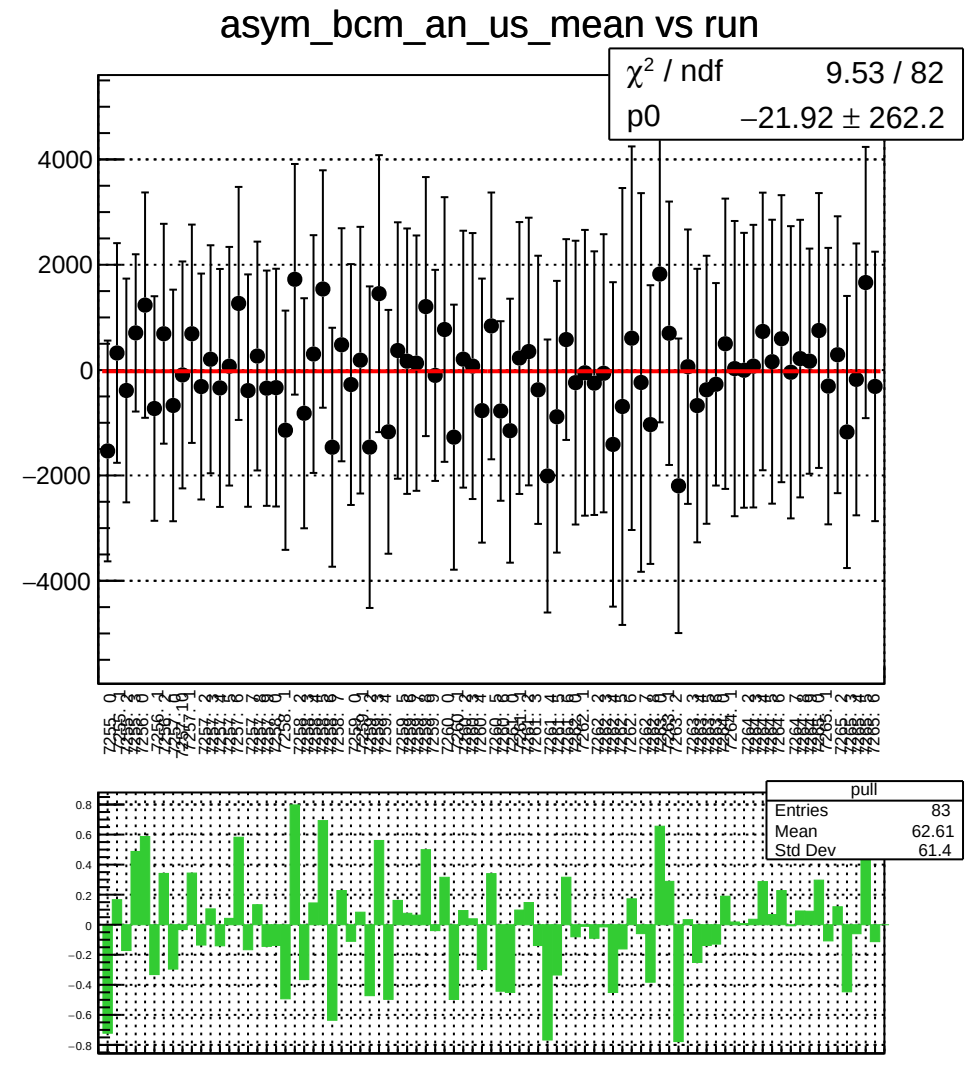

pull1D
Entries 83
Mean −0.006003
Std Dev 0.3554
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

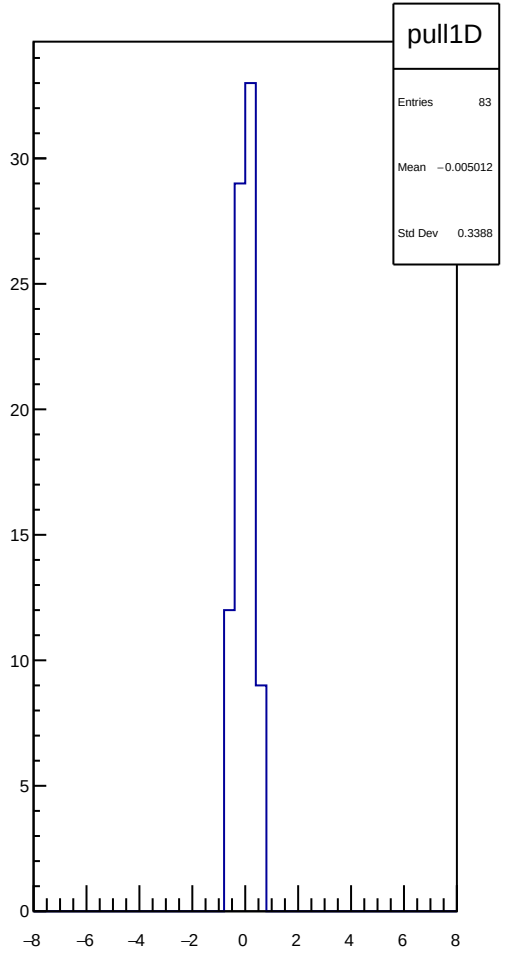

asym_bcm_an_ds_rms vs run
χ² / ndf 2.199e+04 / 82
p0 231.9 ± 0.1846
400
350
300
250
200

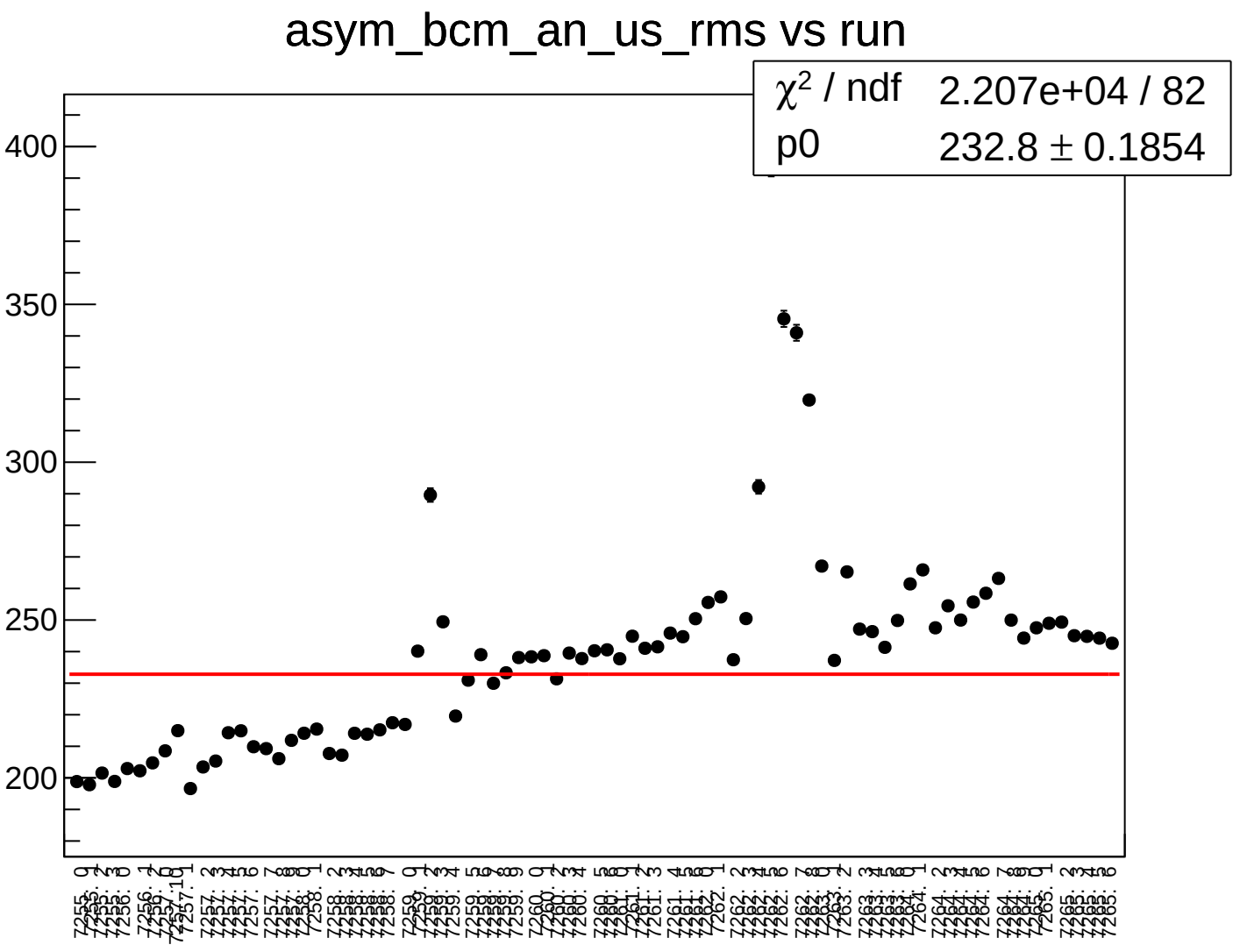

asym_bcm_an_ds3_mean vs run
χ² / ndf 10.63 / 82
p0 −10.5 ± 263
pull
Entries 83
Mean 69.34
Std Dev 57.34

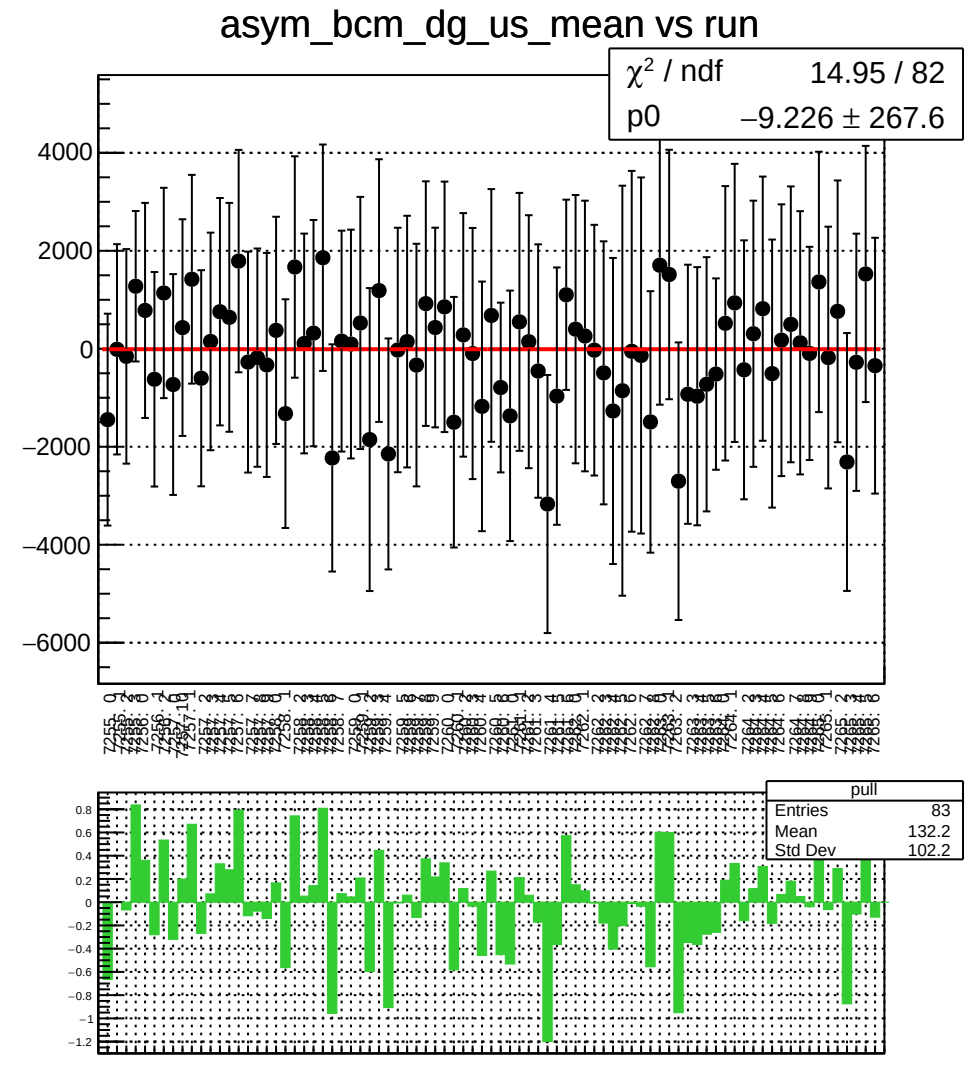

pull1D
Entries 83
Mean −0.006179
Std Dev 0.3578

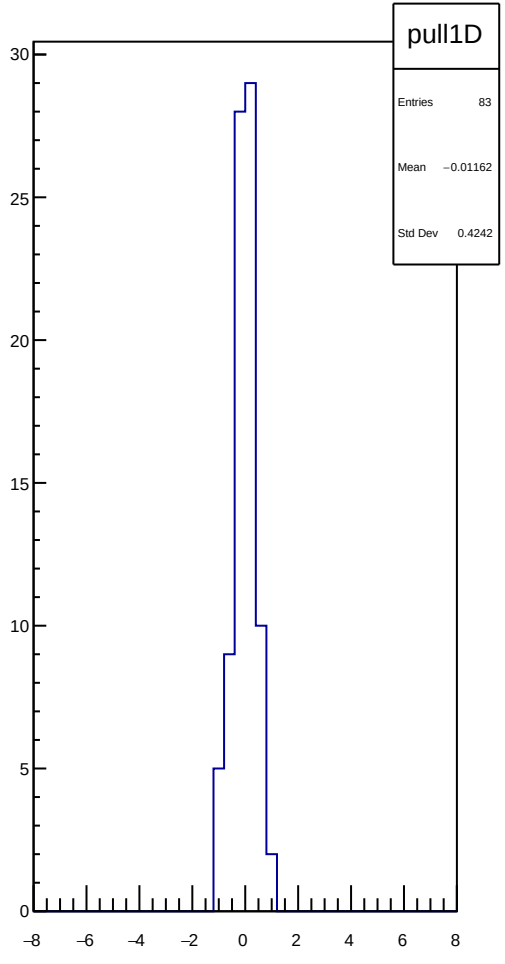

asym_bcm_an_ds3_rms vs run
χ² / ndf 2.202e+04 / 82
p0 233.5 ± 0.1859
400
350
300
250
200

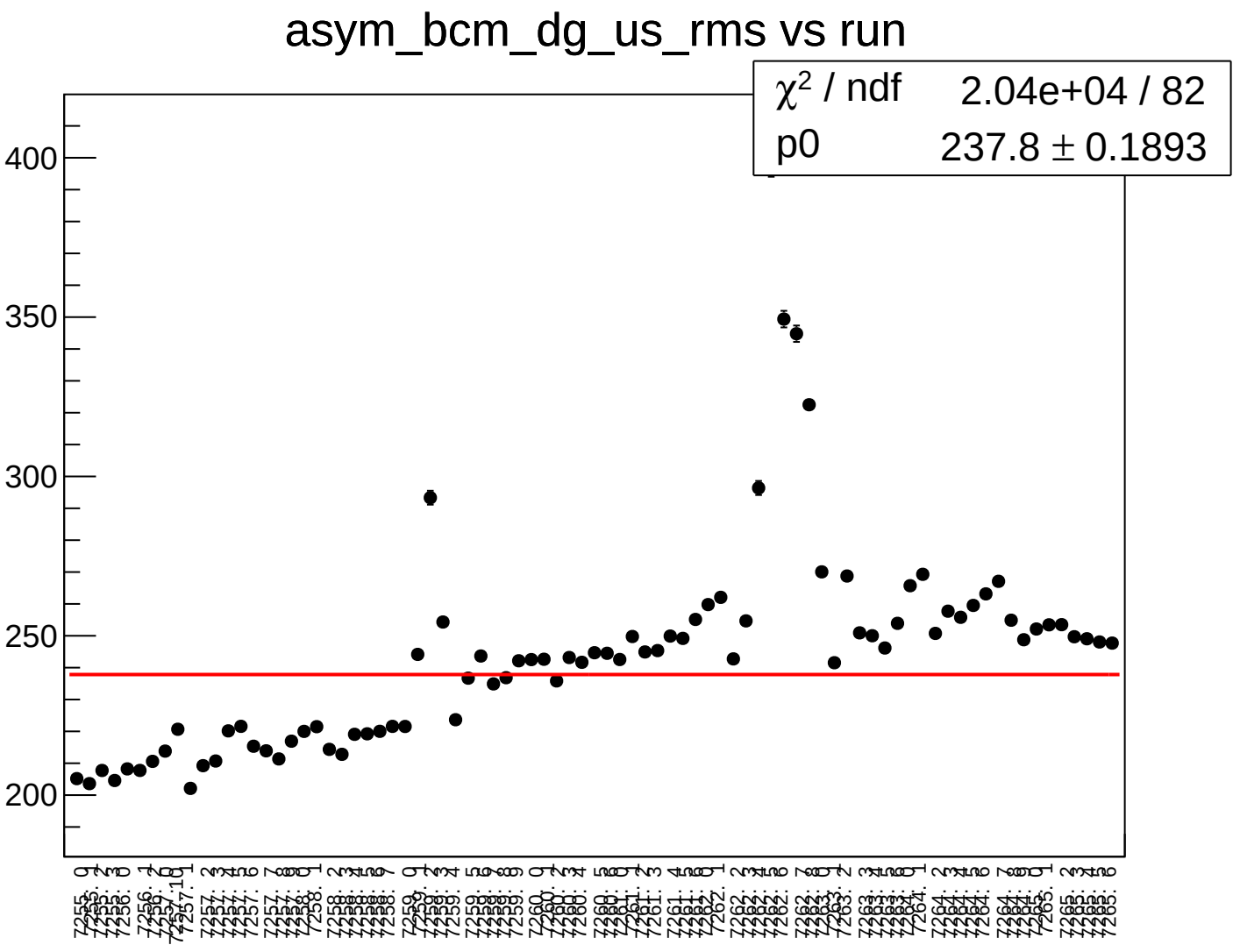

asym_bcm_an_us_mean vs run
χ² / ndf 9.53 / 82
p0 −21.92 ± 262.2
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 62.61
Std Dev 61.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

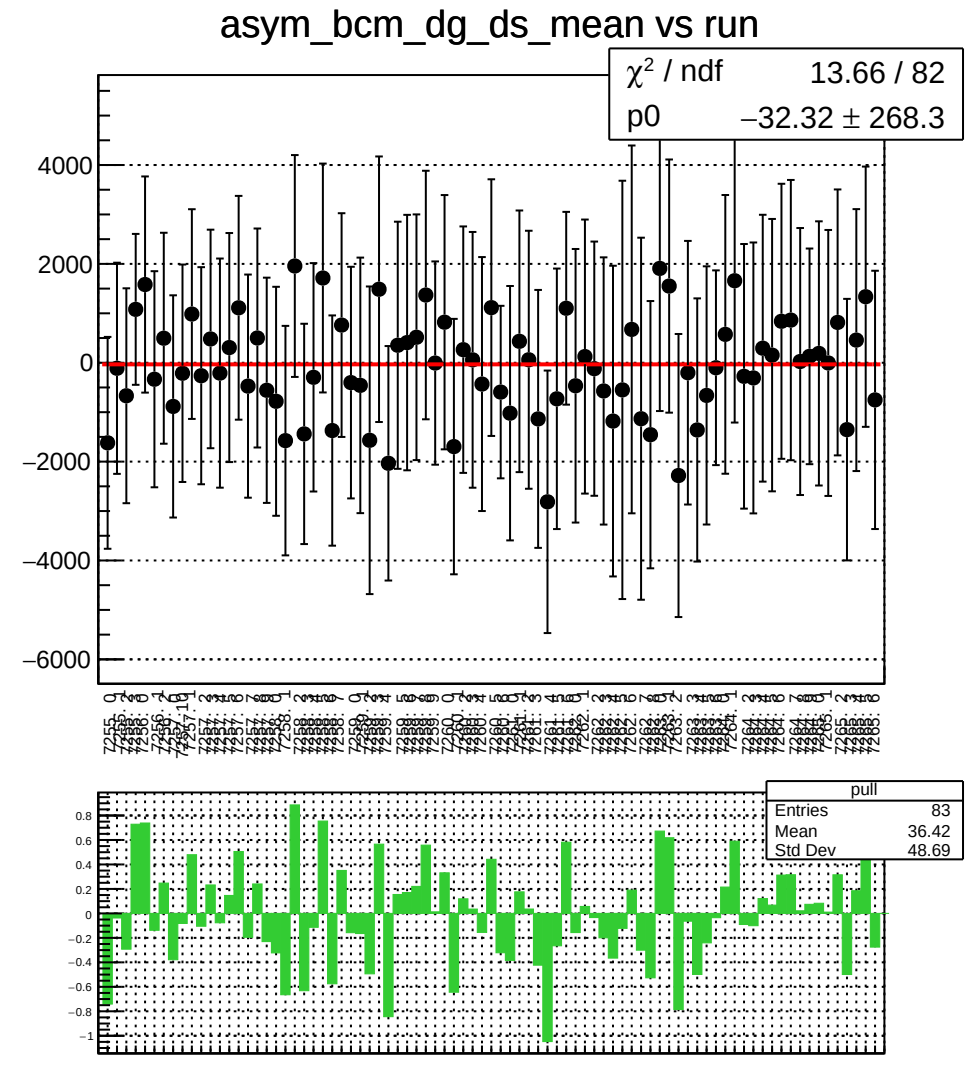

pull1D
Entries 83
Mean −0.005012
Std Dev 0.3388
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

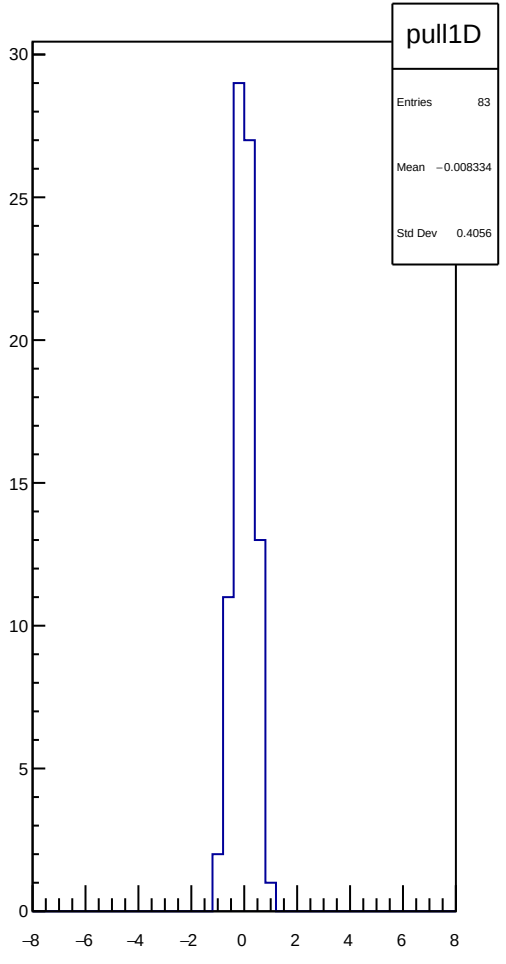

asym_bcm_an_us_rms vs run
χ² / ndf 2.207e+04 / 82
p0 232.8 ± 0.1854
400
350
300
250
200

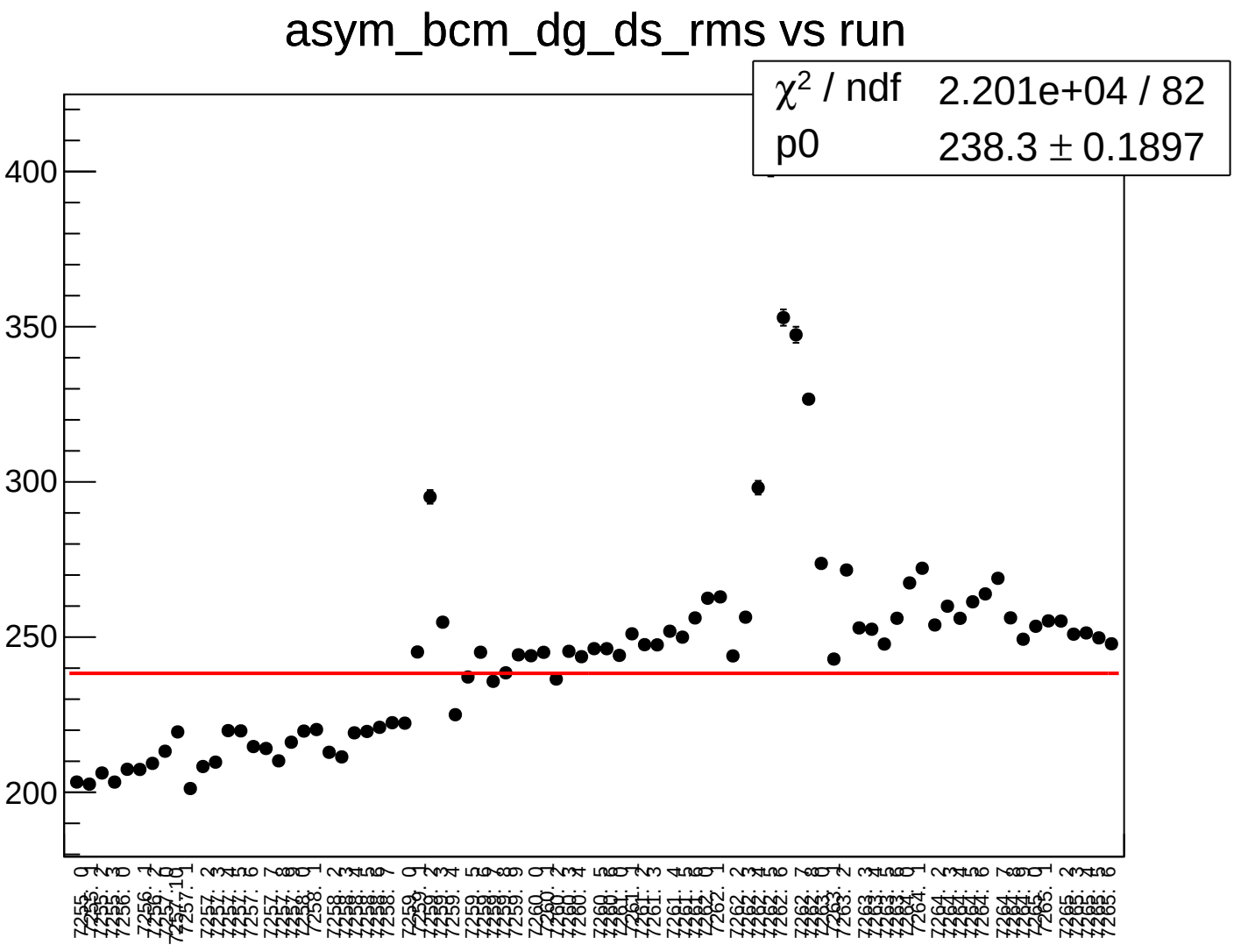

asym_bcm_dg_us_mean vs run
χ² / ndf 14.95 / 82
p0 −9.226 ± 267.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 132.2
Std Dev 102.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

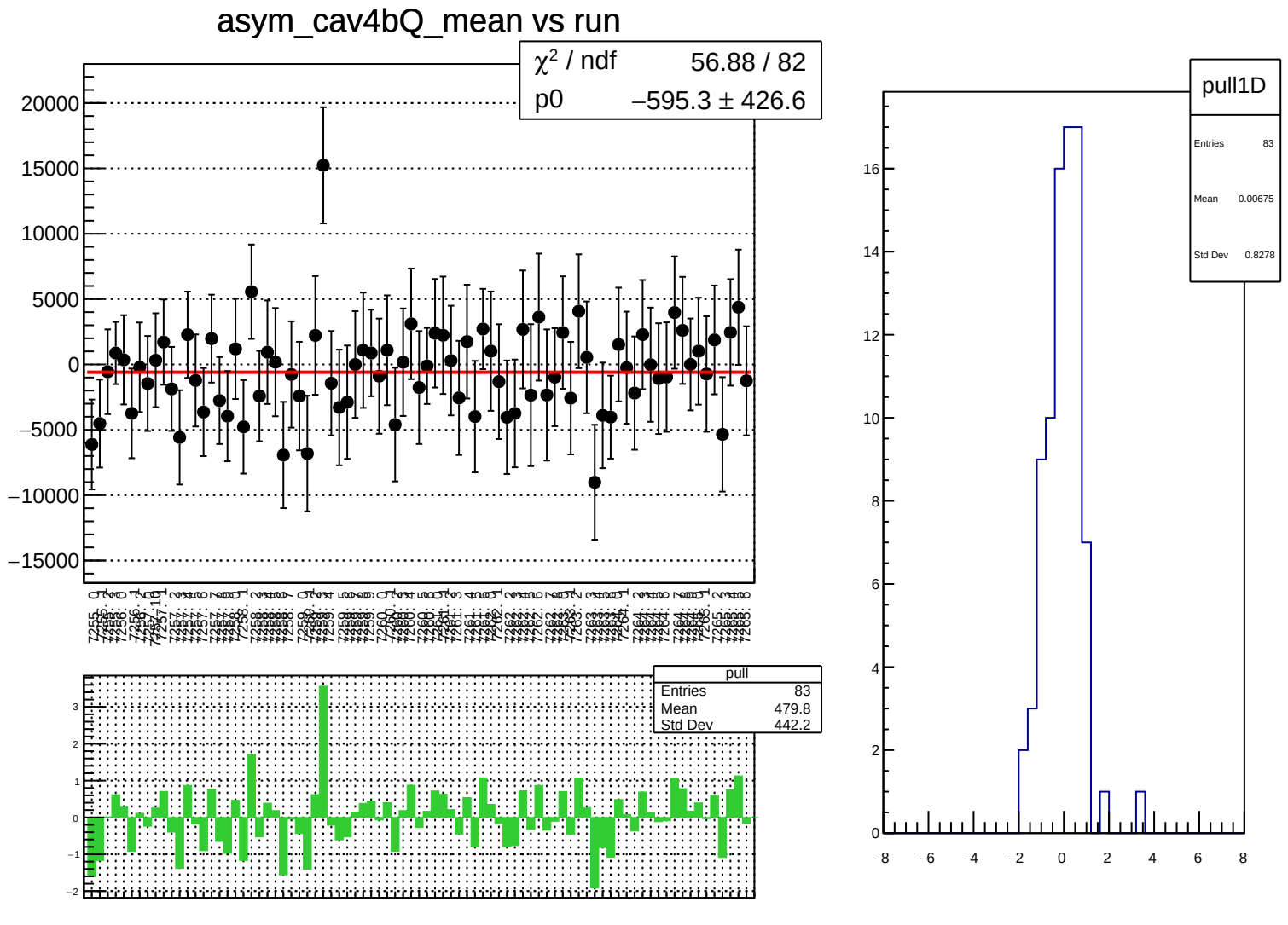

pull1D
Entries 83
Mean −0.01162
Std Dev 0.4242
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

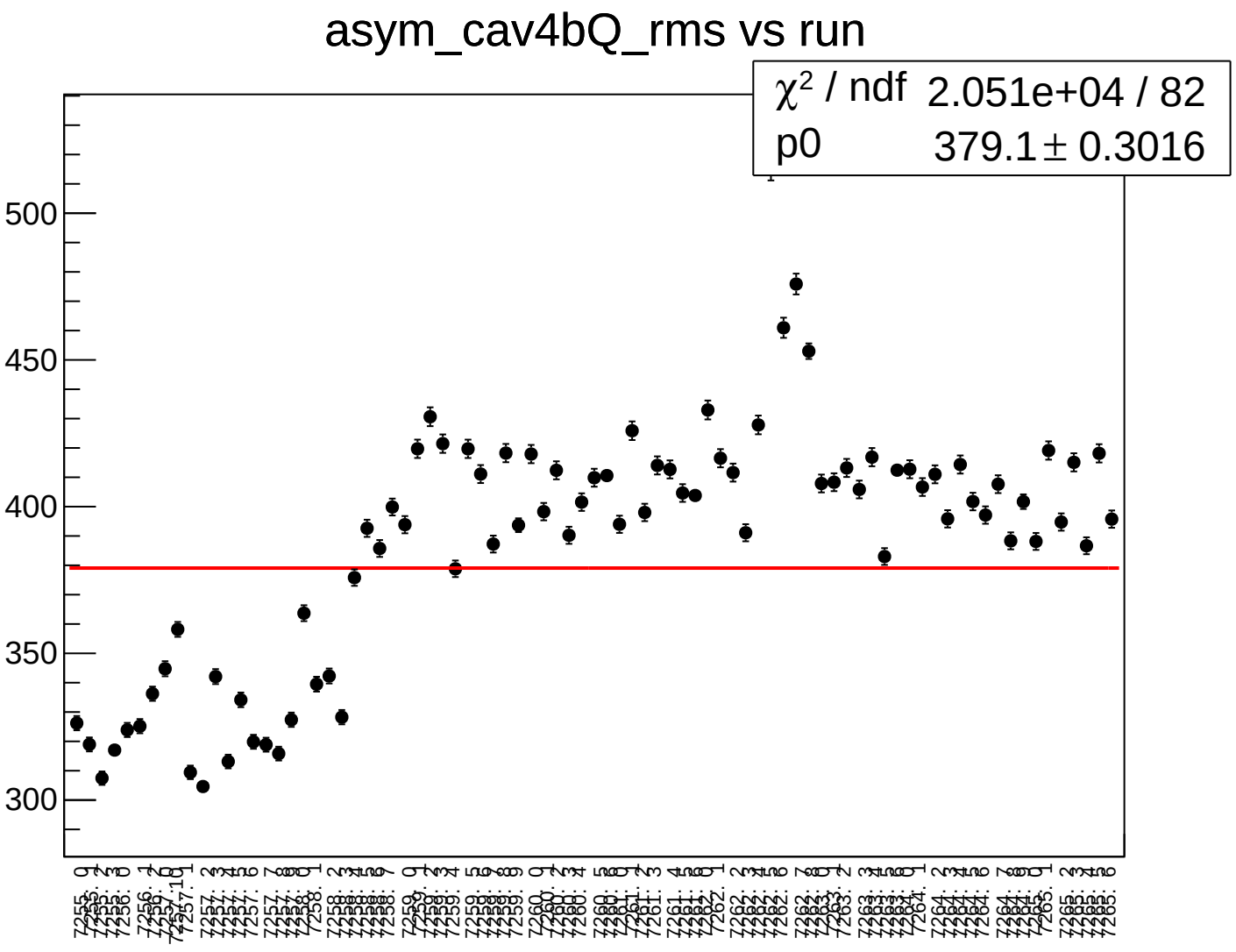

asym_bcm_dg_us_rms vs run
χ² / ndf 2.04e+04 / 82
p0 237.8 ± 0.1893
400
350
300
250
200

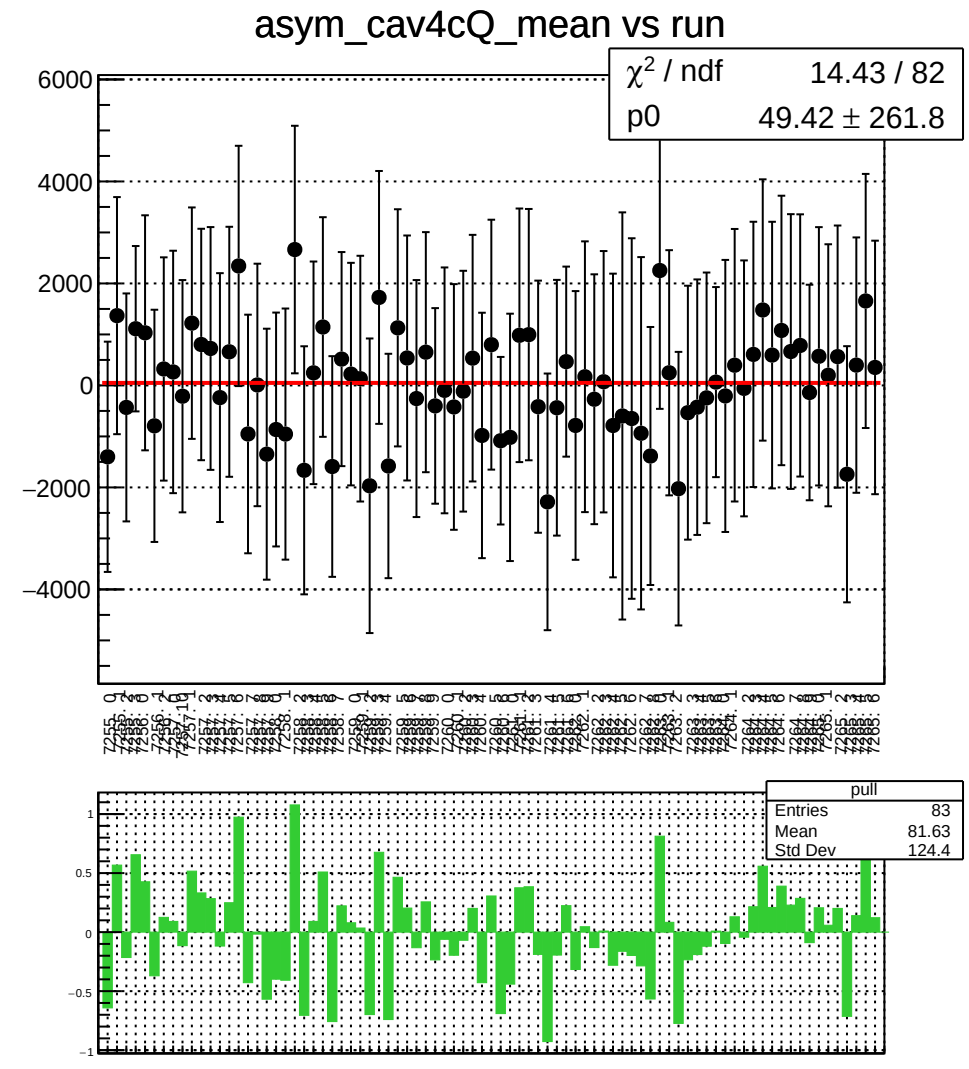

asym_bcm_dg_ds_mean vs run
χ² / ndf 13.66 / 82
p0 −32.32 ± 268.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 36.42
Std Dev 48.69
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

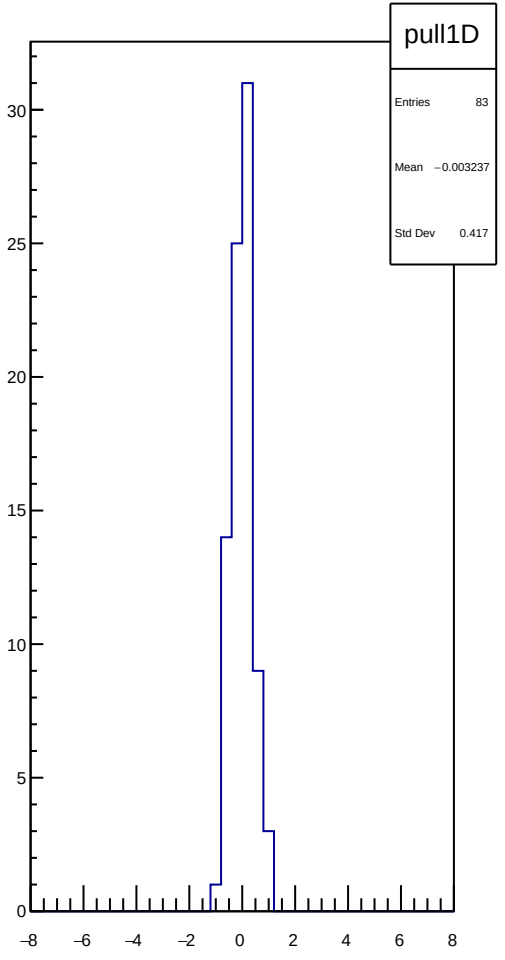

pull1D
Entries 83
Mean −0.008334
Std Dev 0.4056
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

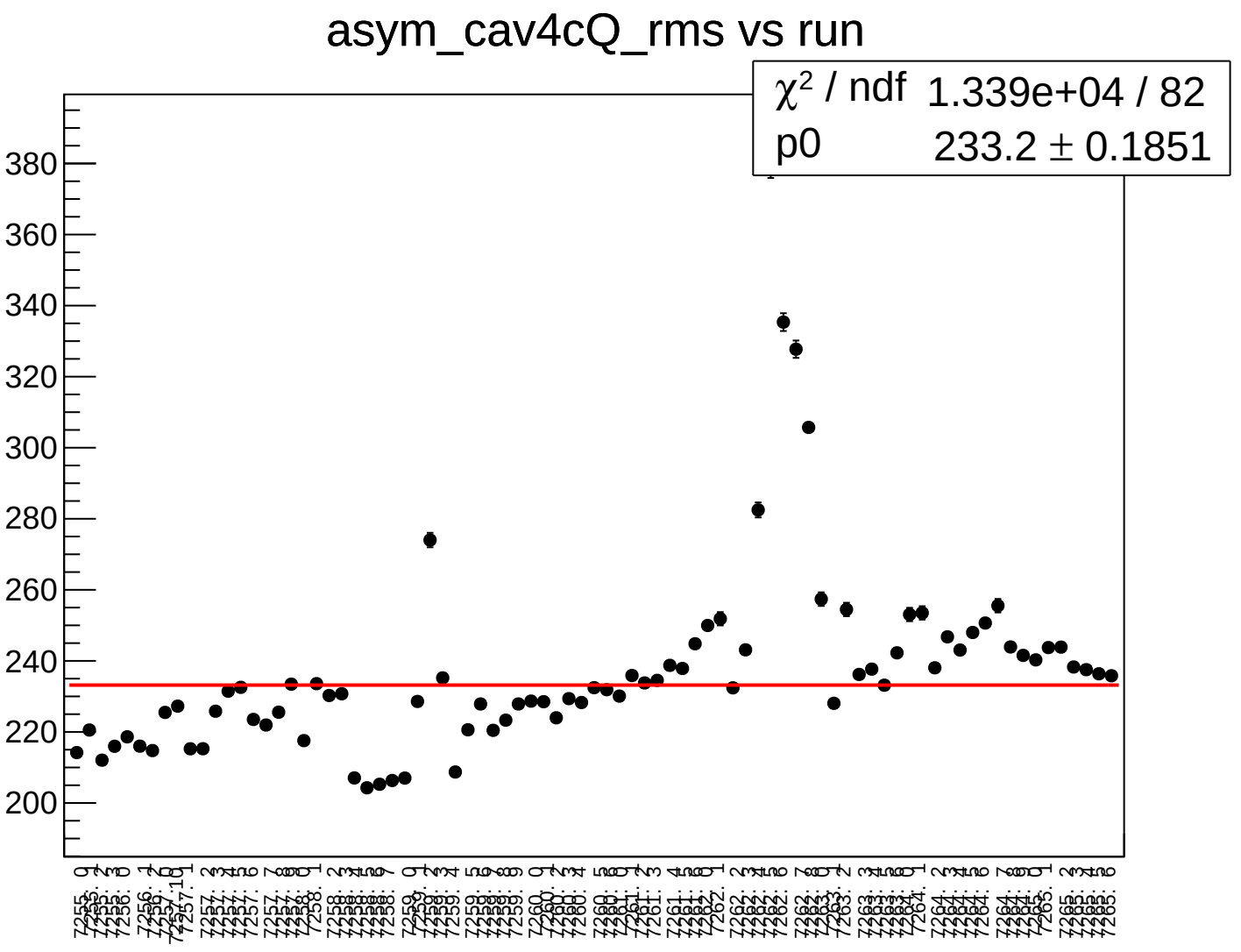

asym_bcm_dg_ds_rms vs run
χ² / ndf 2.201e+04 / 82
p0 238.3 ± 0.1897
400
350
300
250
200

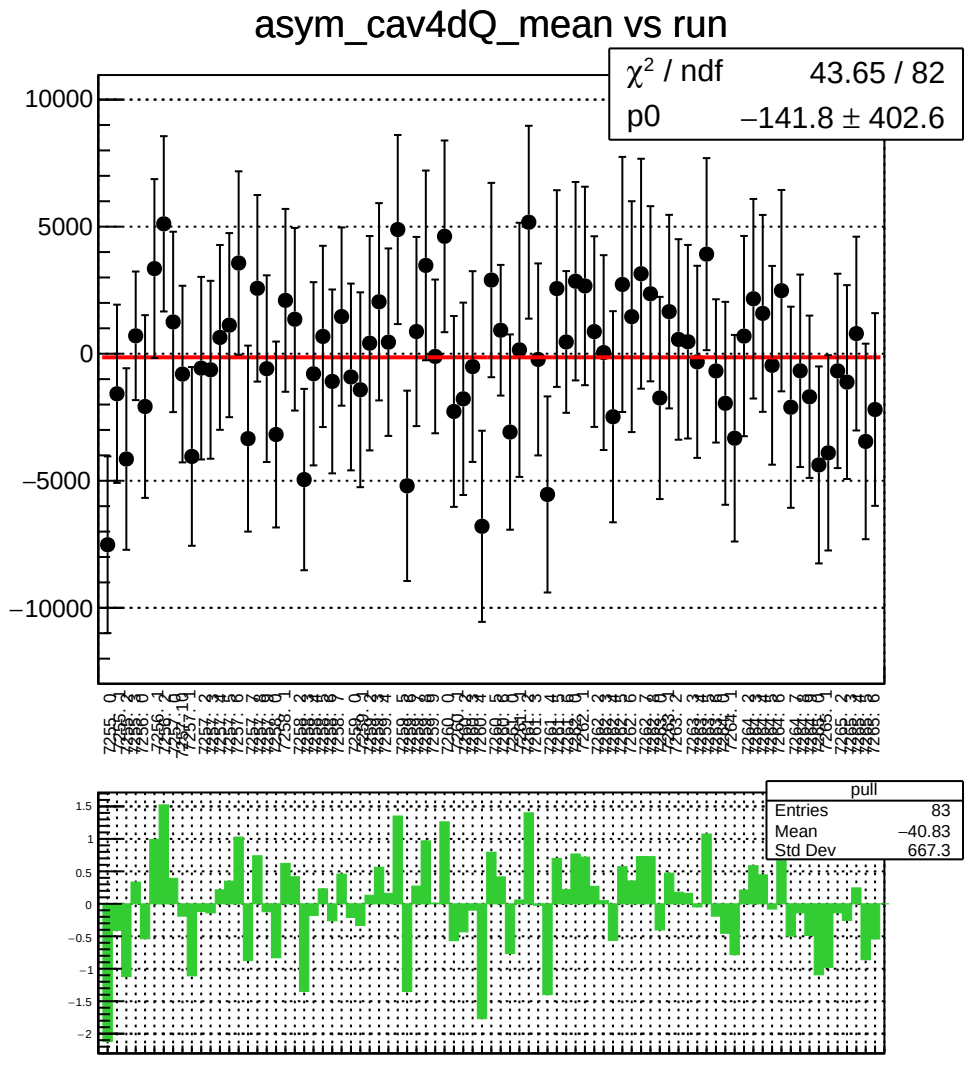

asym_cav4bQ_mean vs run
χ² / ndf 56.88 / 82
p0 −595.3 ± 426.6
pull
Entries 83
Mean 479.8
Std Dev 442.2
pull1D
Entries 83
Mean 0.00675
Std Dev 0.8278

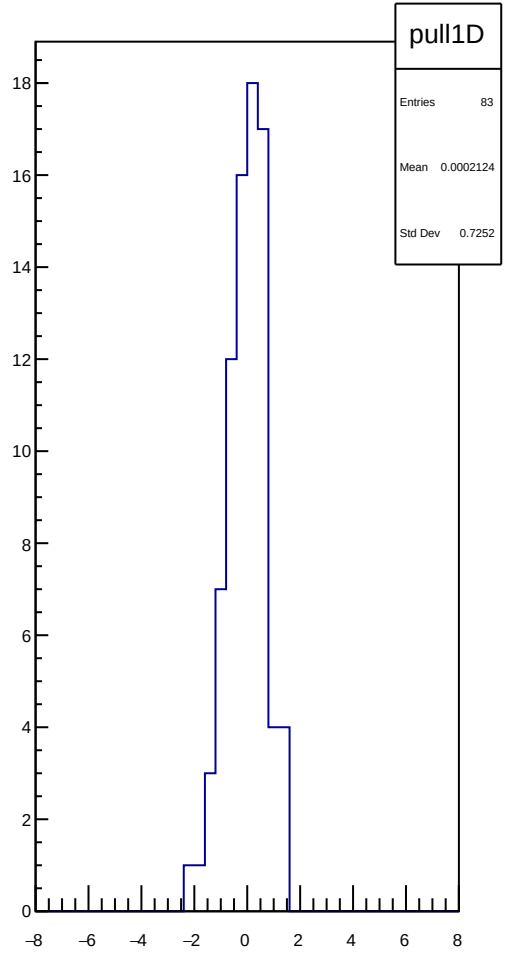

asym_cav4bQ_rms vs run
χ² / ndf 2.051e+04 / 82
p0 379.1 ± 0.3016
500
450
400
350
300

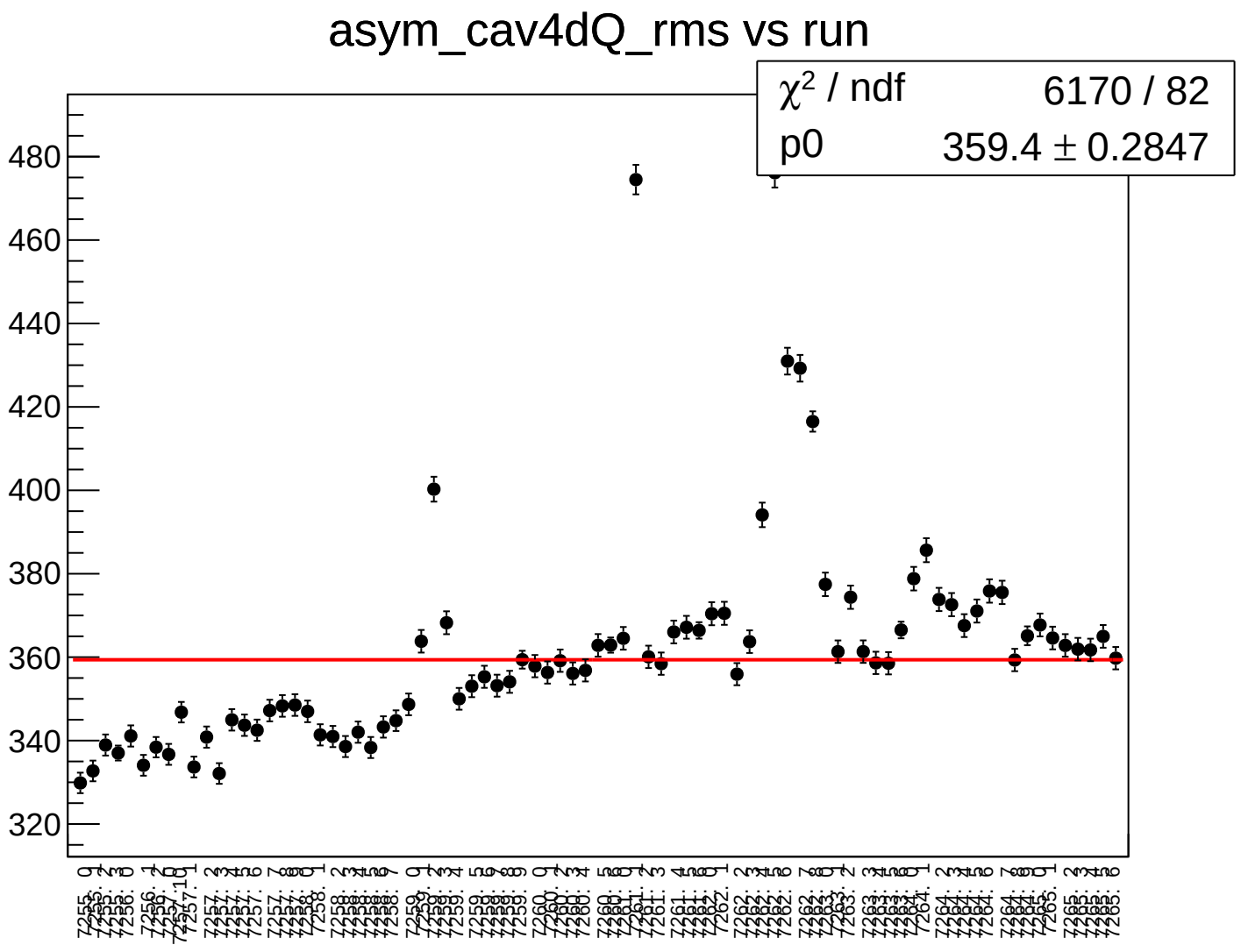

asym_cav4cQ_mean vs run
χ² / ndf 14.43 / 82
p0 49.42 ± 261.8
pull
Entries 83
Mean 81.63
Std Dev 124.4

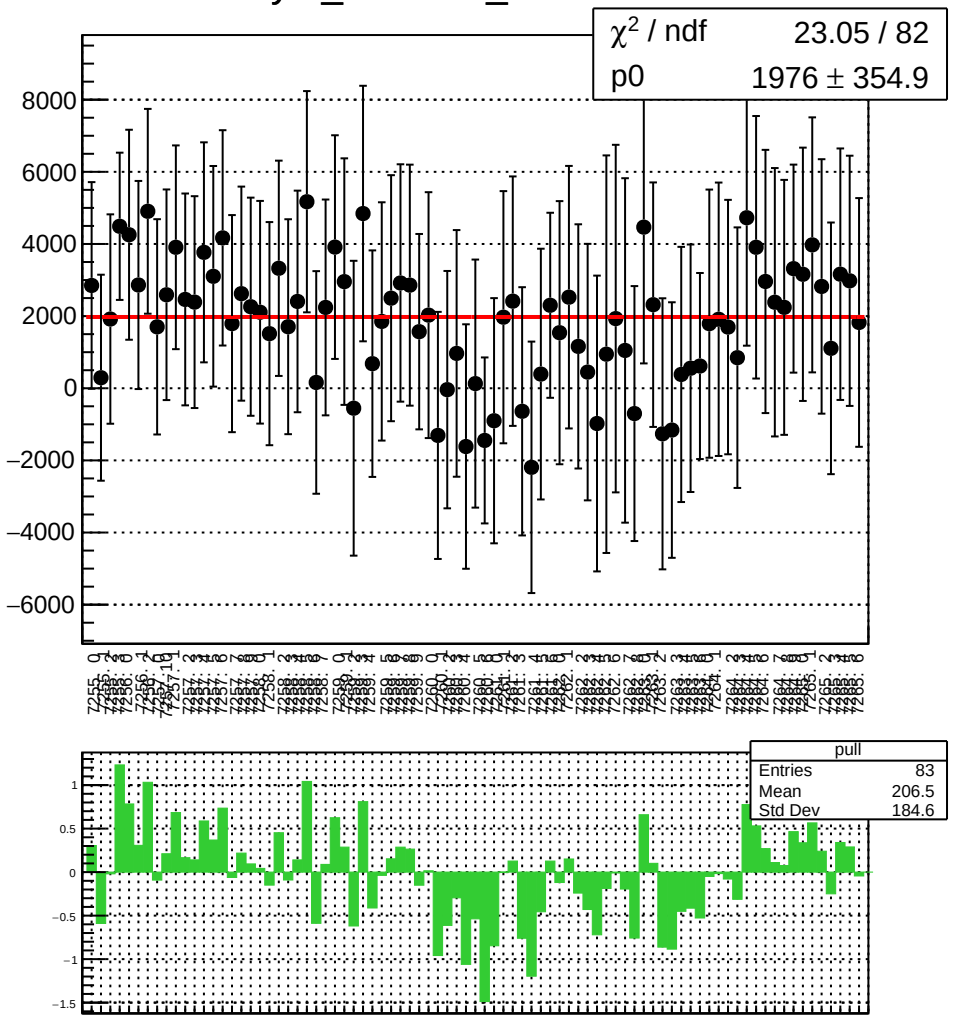

pull1D
Entries 83
Mean −0.003237
Std Dev 0.417

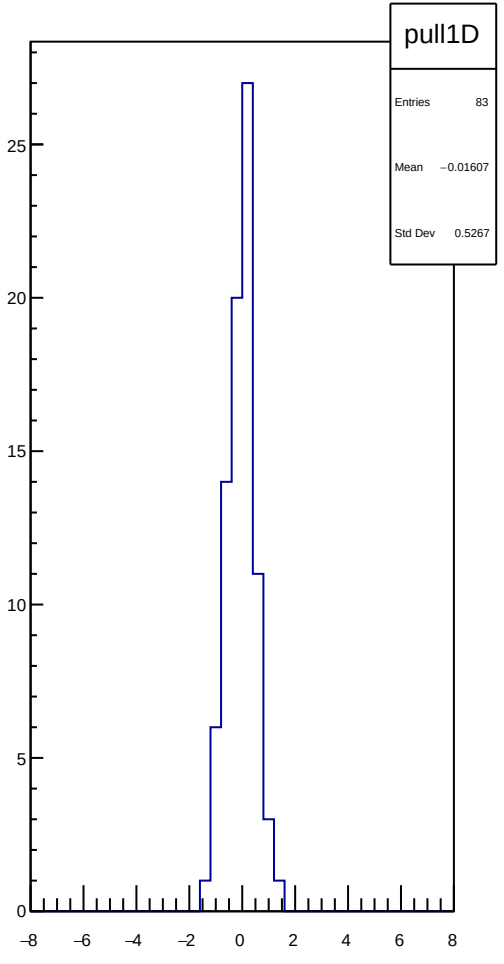

asym_cav4cQ_rms vs run
χ² / ndf 1.339e+04 / 82
p0 233.2 ± 0.1851
380
360
340
320
300
280
260
240
220
200

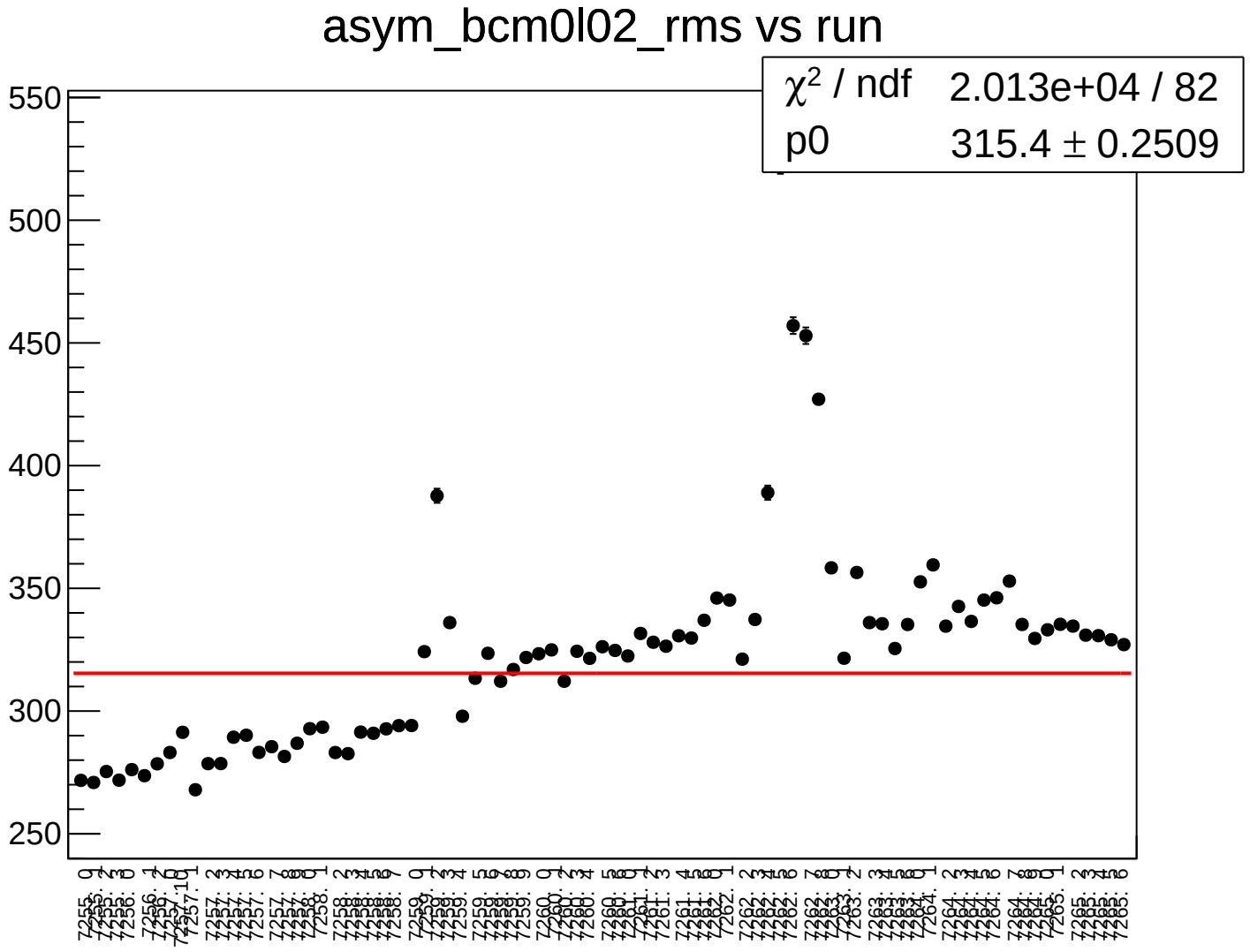

asym_cav4dQ_mean vs run
χ² / ndf 43.65 / 82
p0 −141.8 ± 402.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −40.83
Std Dev 667.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

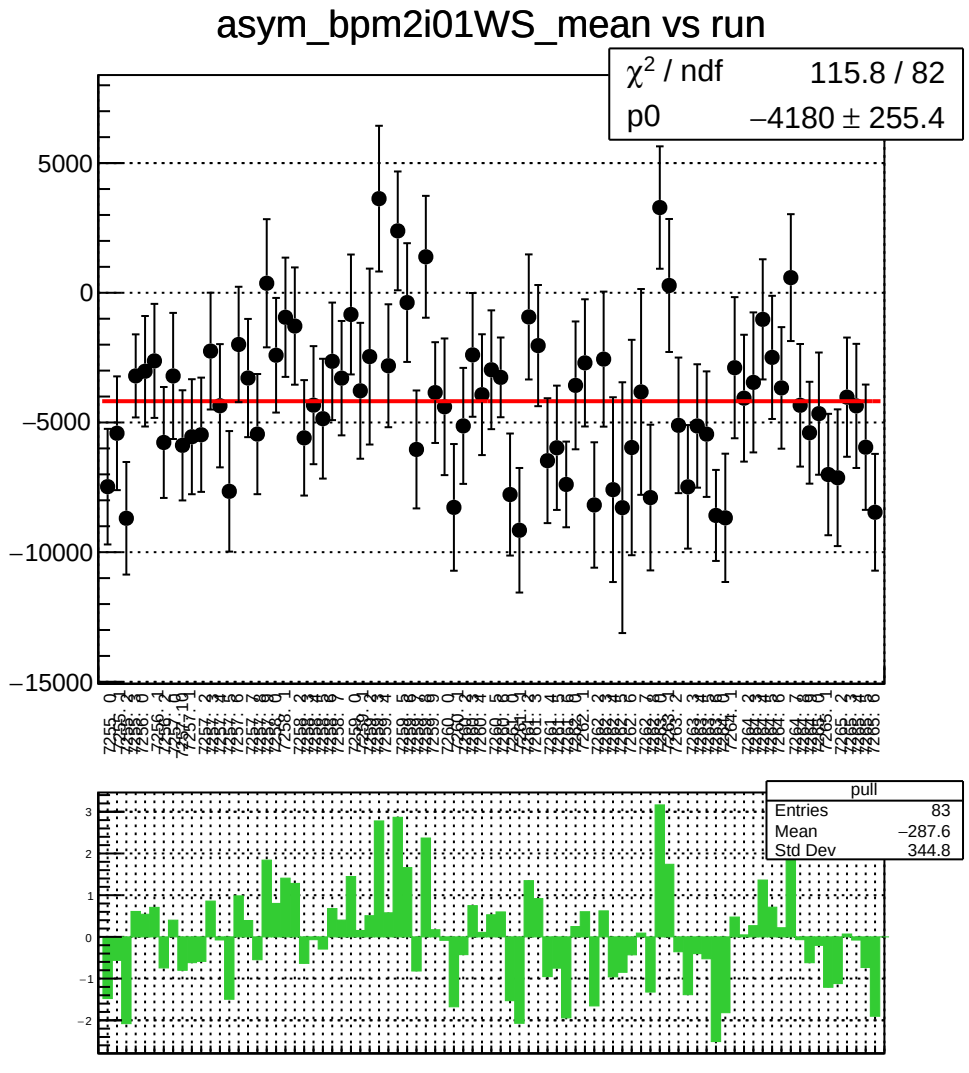

pull1D
Entries 83
Mean 0.0002124
Std Dev 0.7252
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

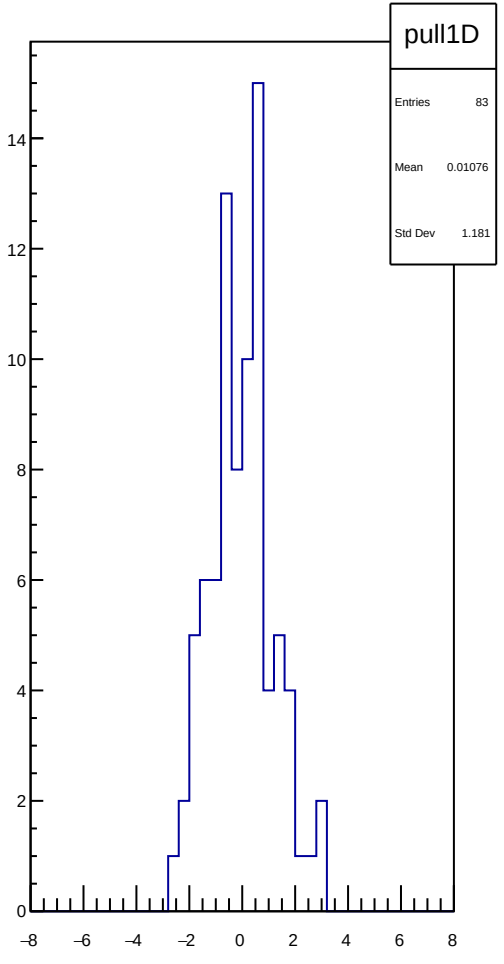

asym_cav4dQ_rms vs run
χ² / ndf 6170 / 82
p0 359.4 ± 0.2847
480
460
440
420
400
380
360
340
320

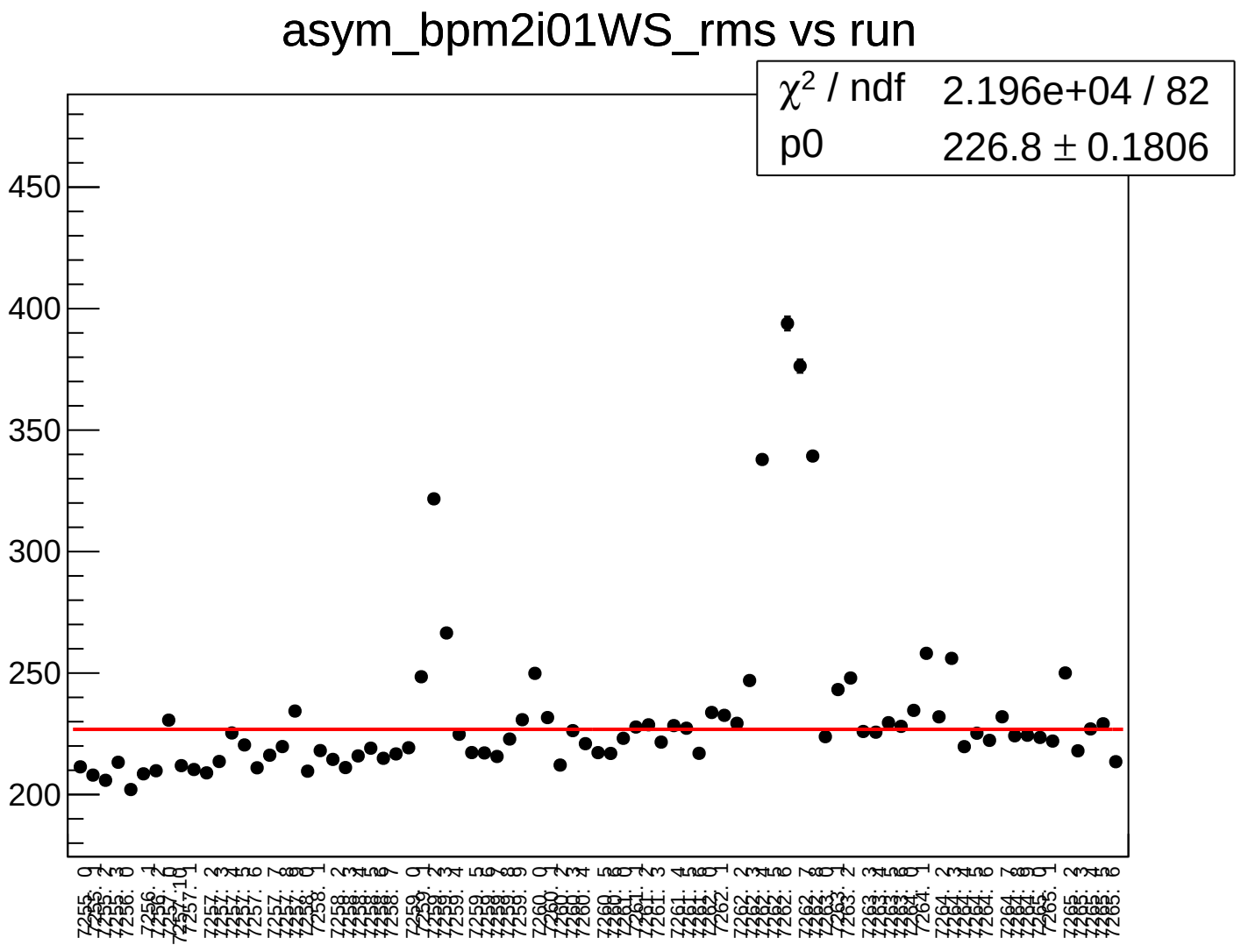

asym_bcm0l02_mean vs run
χ² / ndf 23.05 / 82
p0 1976 ± 354.9
pull
Entries 83
Mean 206.5
Std Dev 184.6

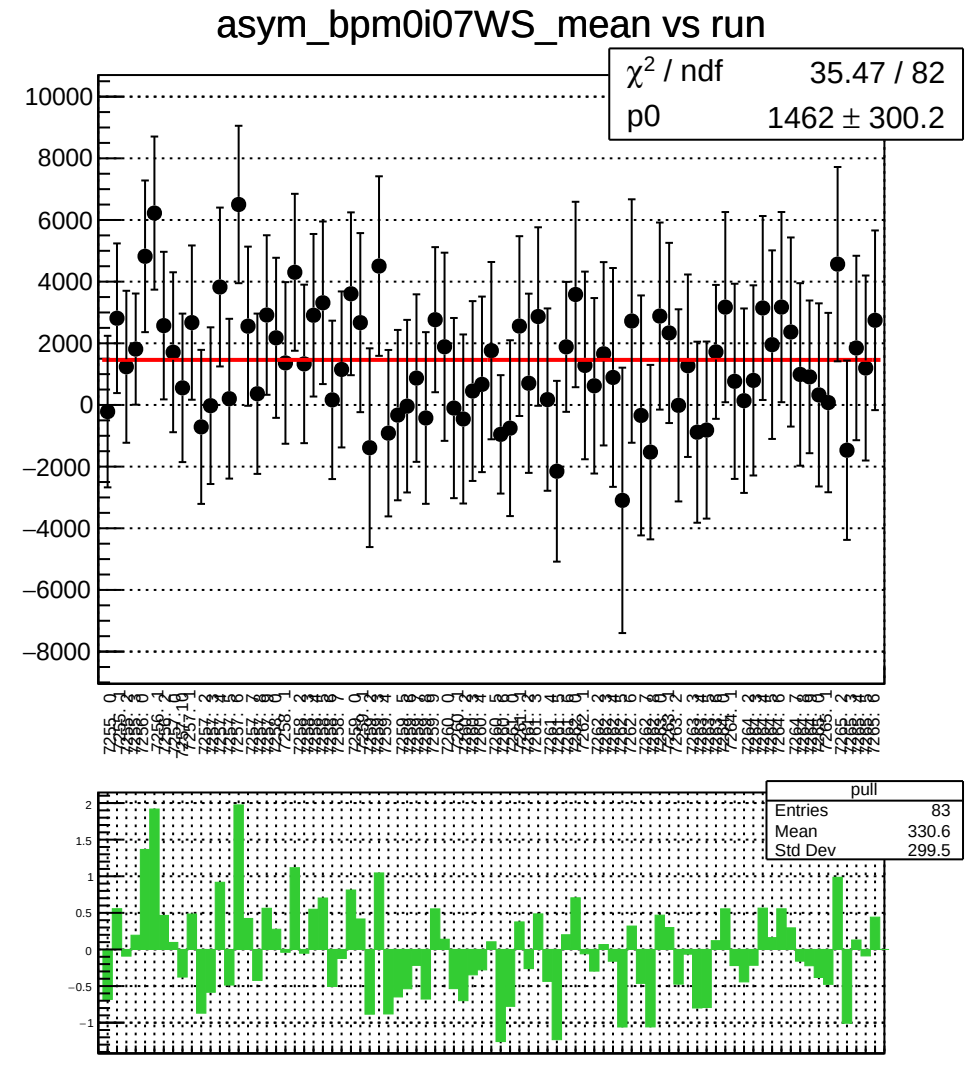

pull1D
Entries 83
Mean −0.01607
Std Dev 0.5267

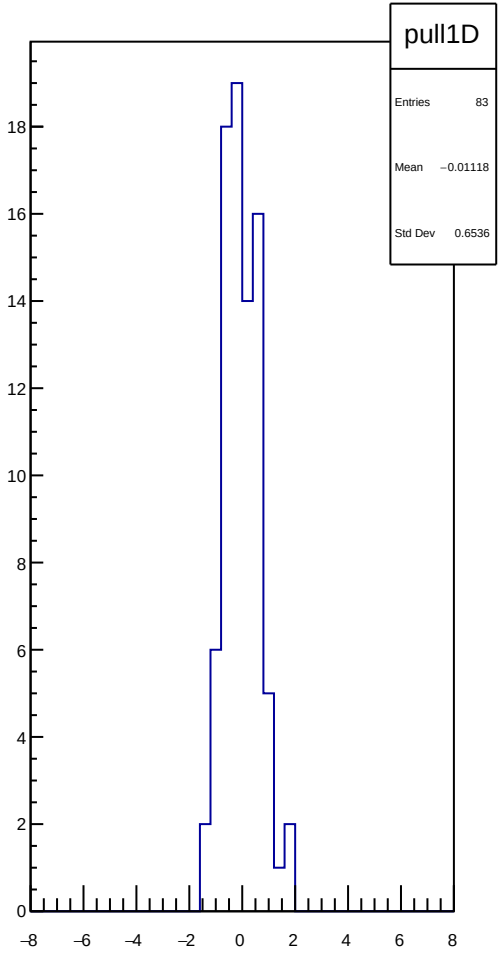

asym_bcm0l02_rms vs run
χ^2 / ndf 2.013e+04 / 82
p0 315.4 ± 0.2509
550
500
450
400
350
300
250

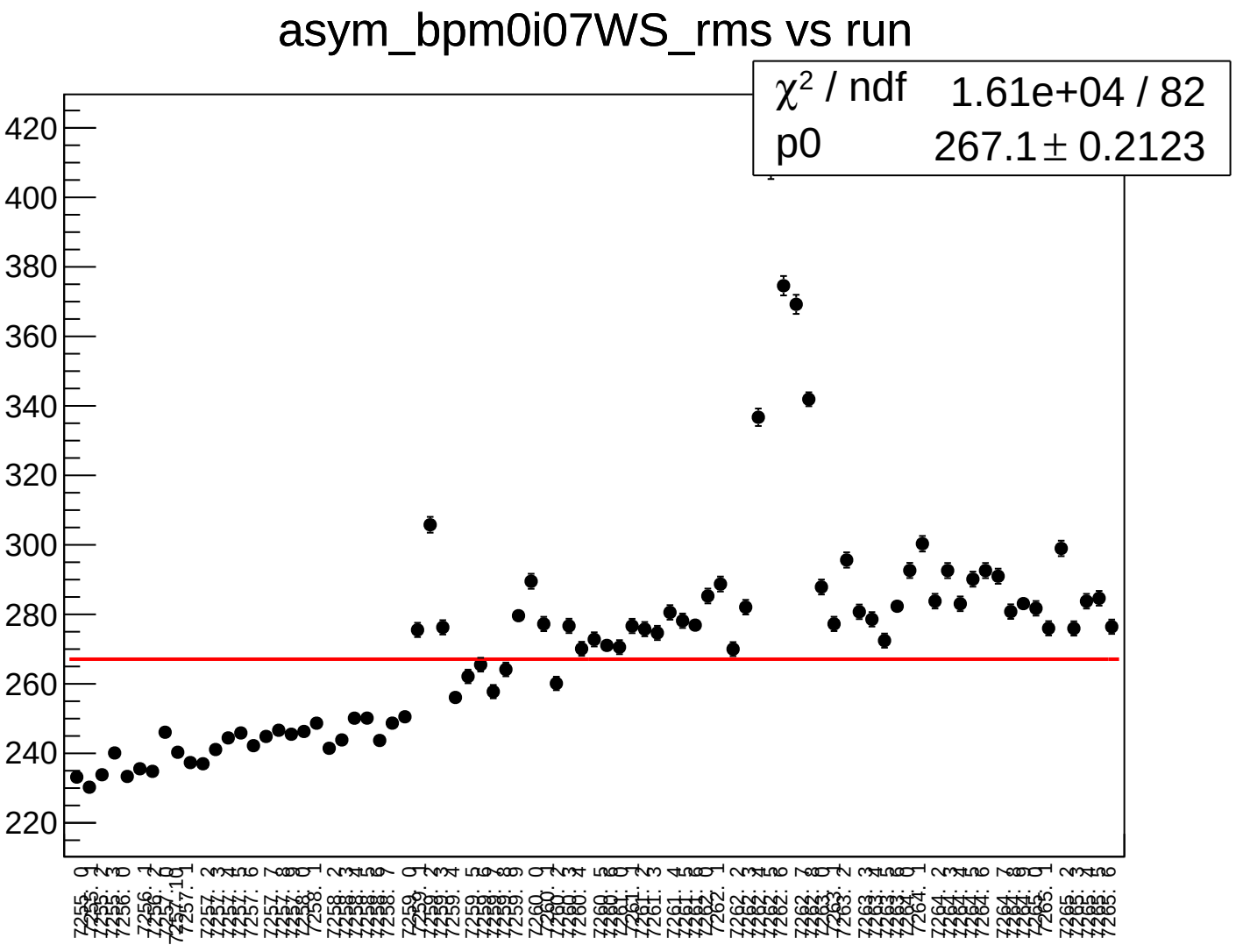

asym_bpm2i01WS_mean vs run
χ² / ndf 115.8 / 82
p0 −4180 ± 255.4
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −287.6
Std Dev 344.8
3
2
1
0
−1
−2

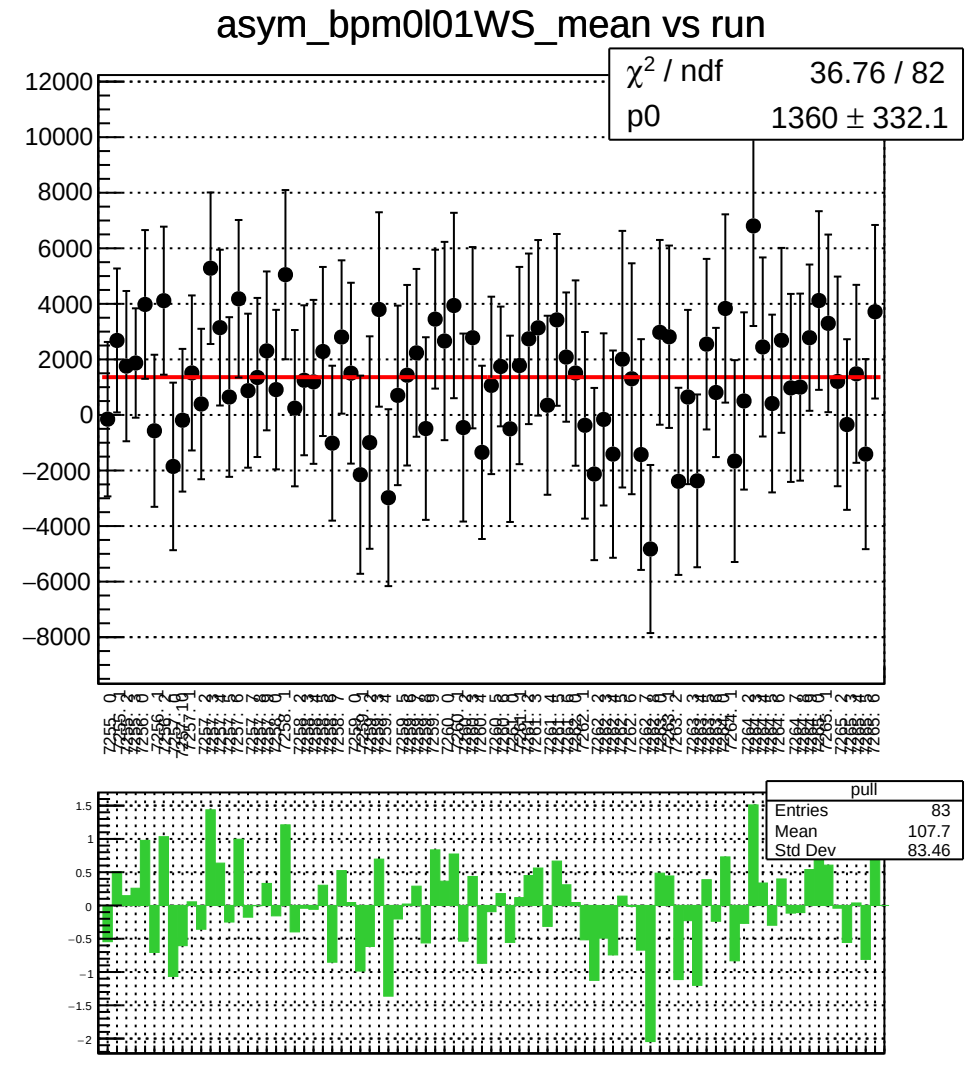

pull1D
Entries 83
Mean 0.01076
Std Dev 1.181
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

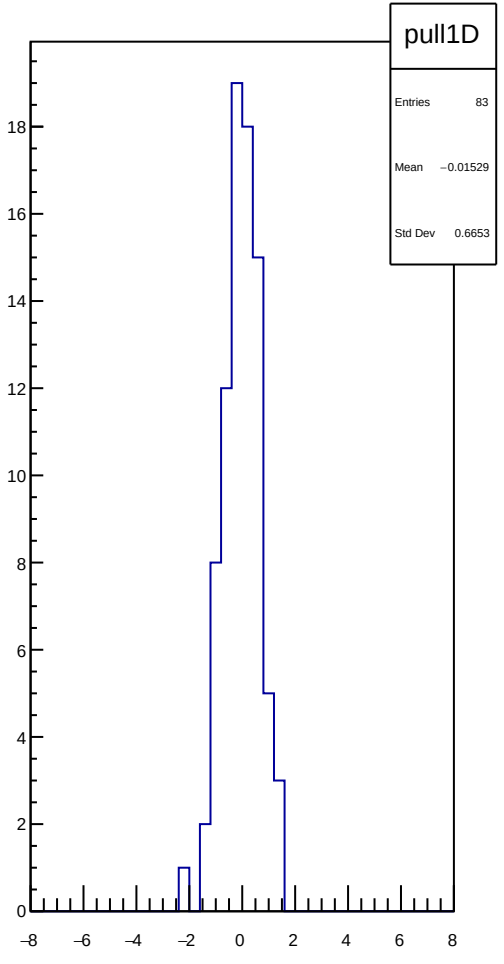

asym_bpm2i01WS_rms vs run
χ² / ndf 2.196e+04 / 82
p0 226.8 ± 0.1806
450
400
350
300
250
200

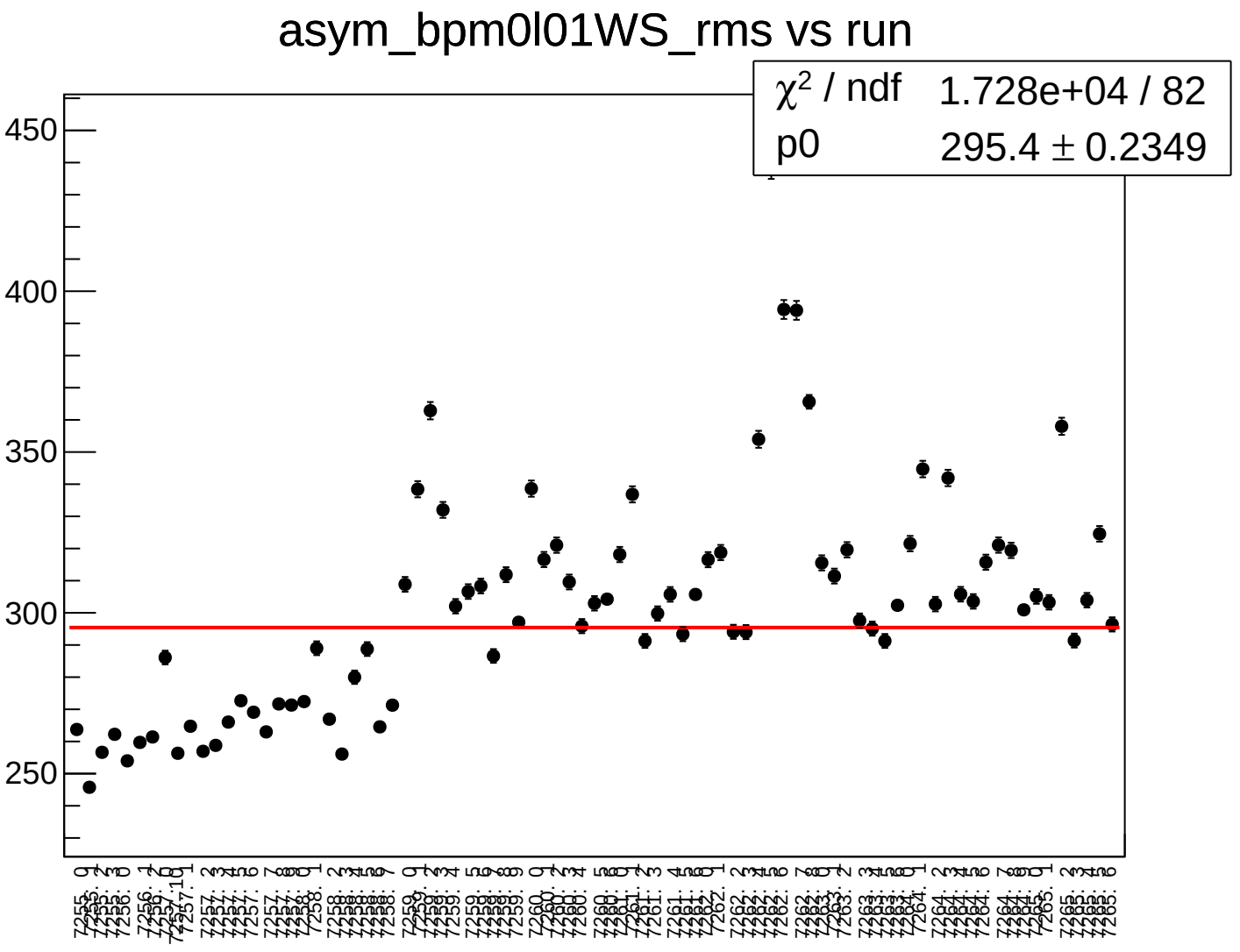

asym_bpm0i07WS_mean vs run
χ² / ndf 35.47 / 82
p0 1462 ± 300.2
pull
Entries 83
Mean 330.6
Std Dev 299.5

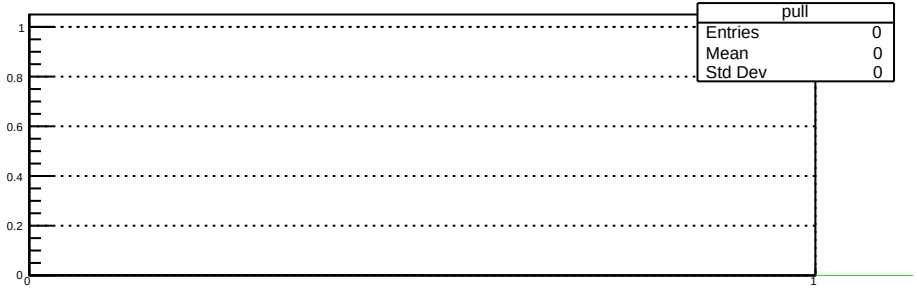

pull1D
Entries 83
Mean −0.01118
Std Dev 0.6536

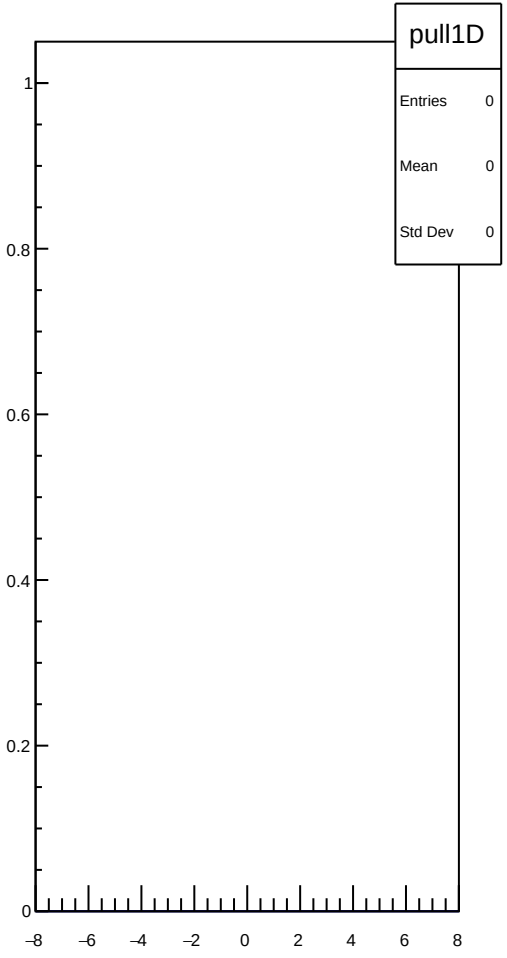

asym_bpm0i07WS_rms vs run
χ² / ndf 1.61e+04 / 82
p0 267.1 ± 0.2123
420
400
380
360
340
320
300
280
260
240
220

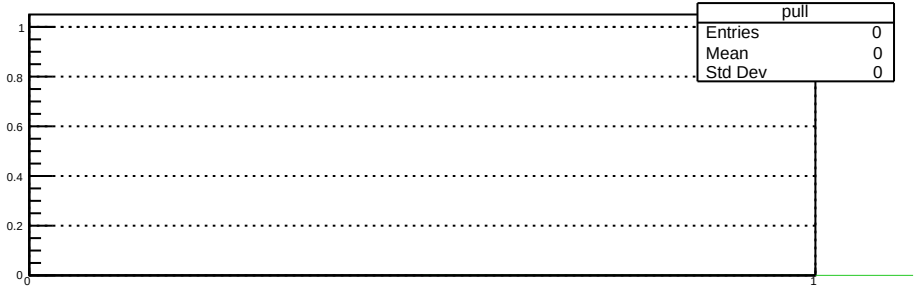

asym_bpm0l01WS_mean vs run
χ² / ndf 36.76 / 82
p0 1360 ± 332.1
pull
Entries 83
Mean 107.7
Std Dev 83.46

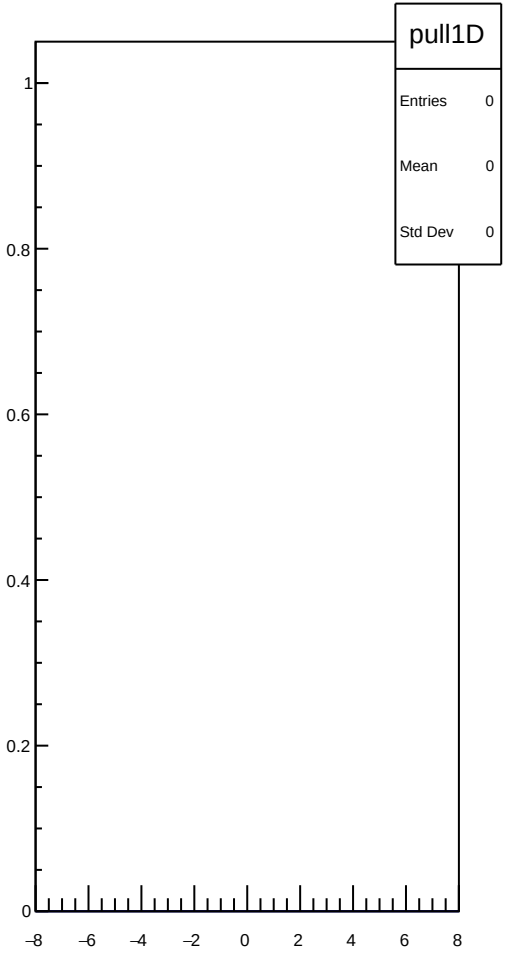

pull1D
Entries 83
Mean −0.01529
Std Dev 0.6653

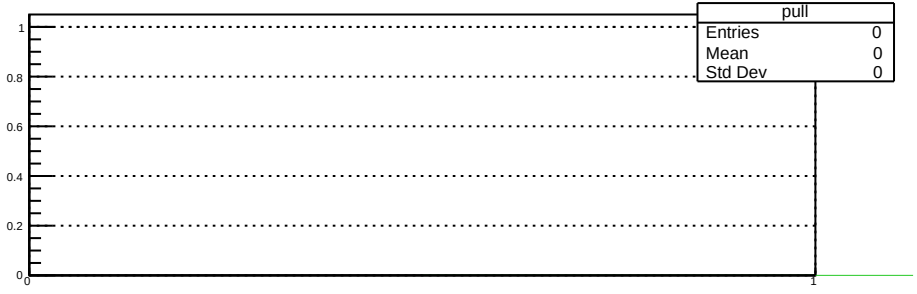

asym_bpm0l01WS_rms vs run
χ² / ndf 1.728e+04 / 82
p0 295.4 ± 0.2349
450
400
350
300
250

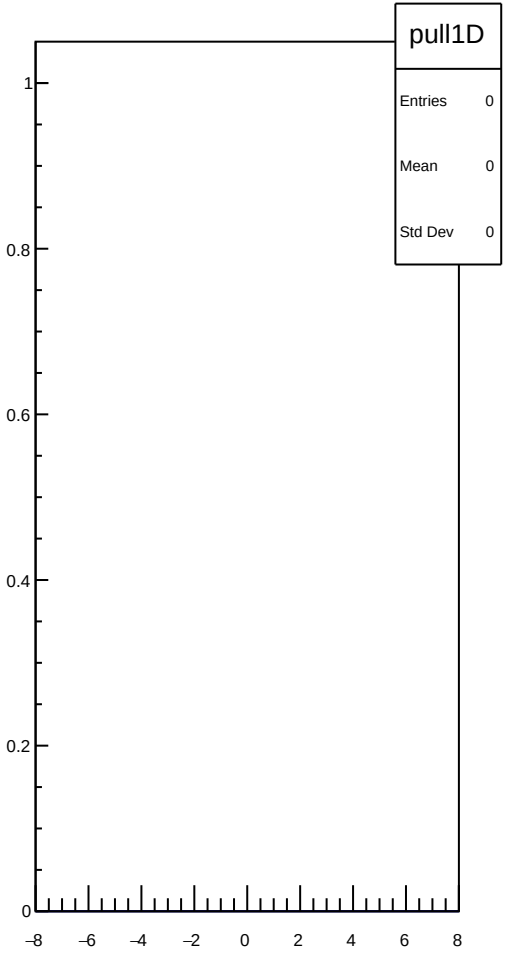

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

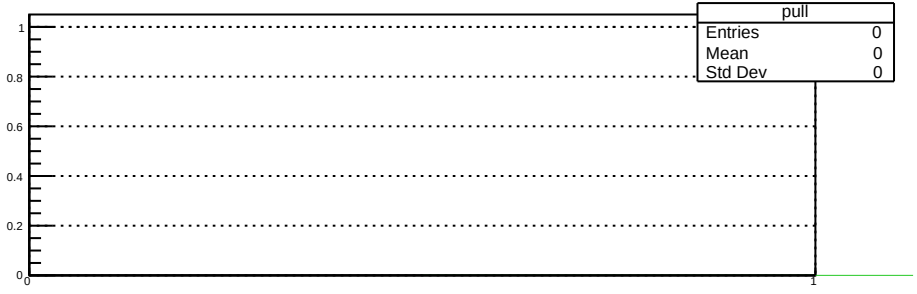

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

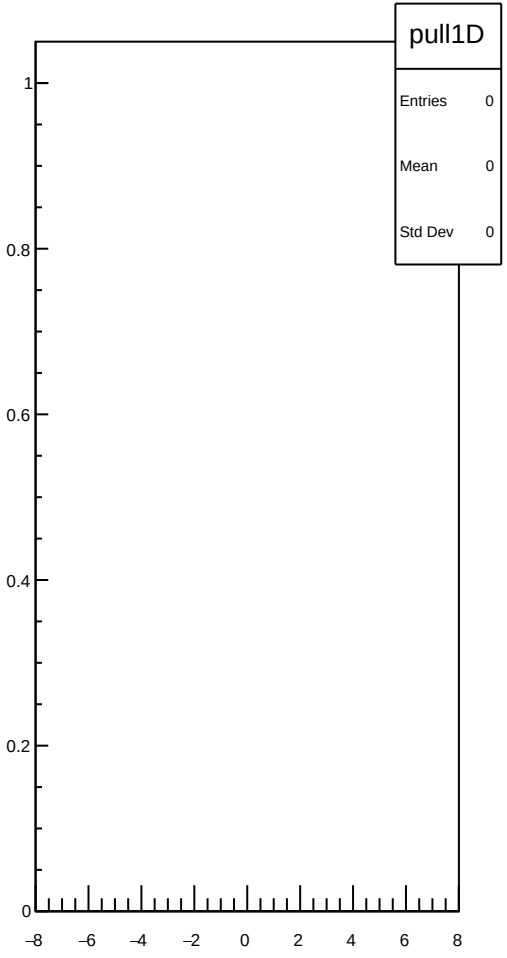

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

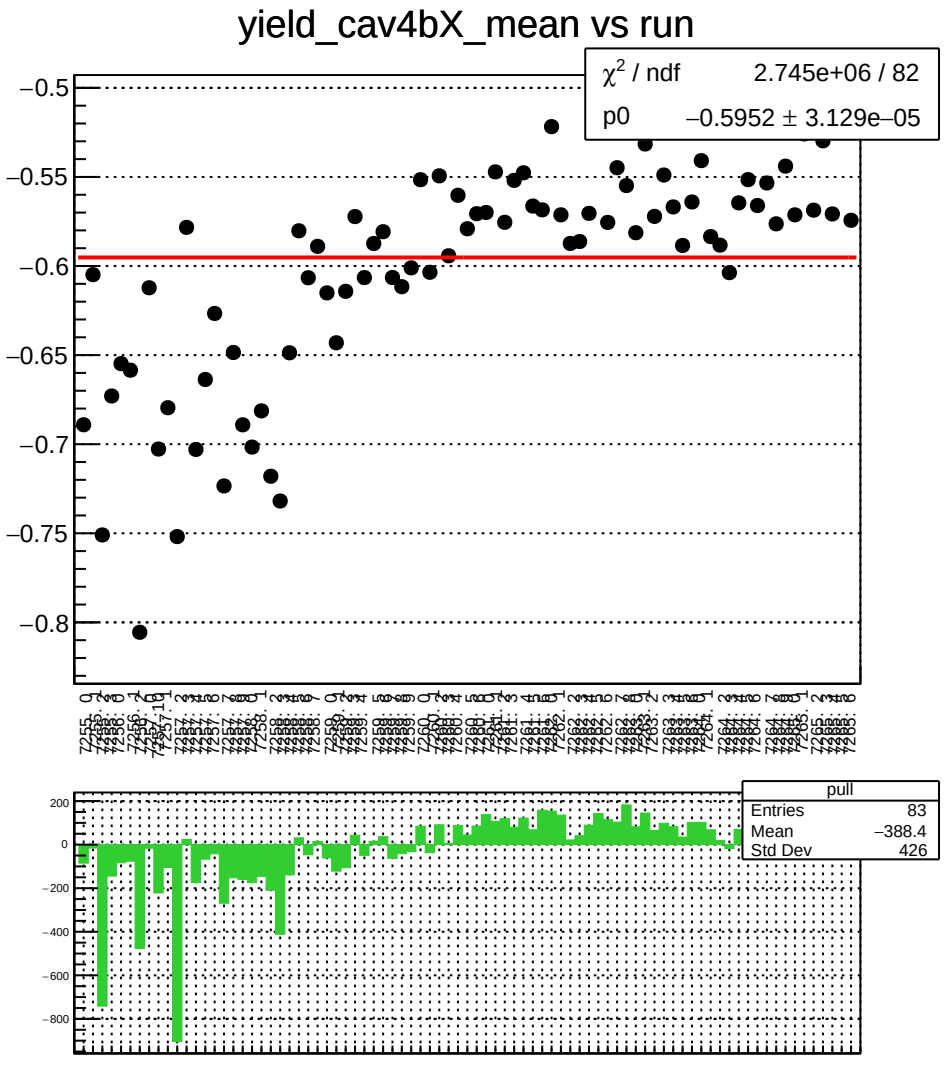

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

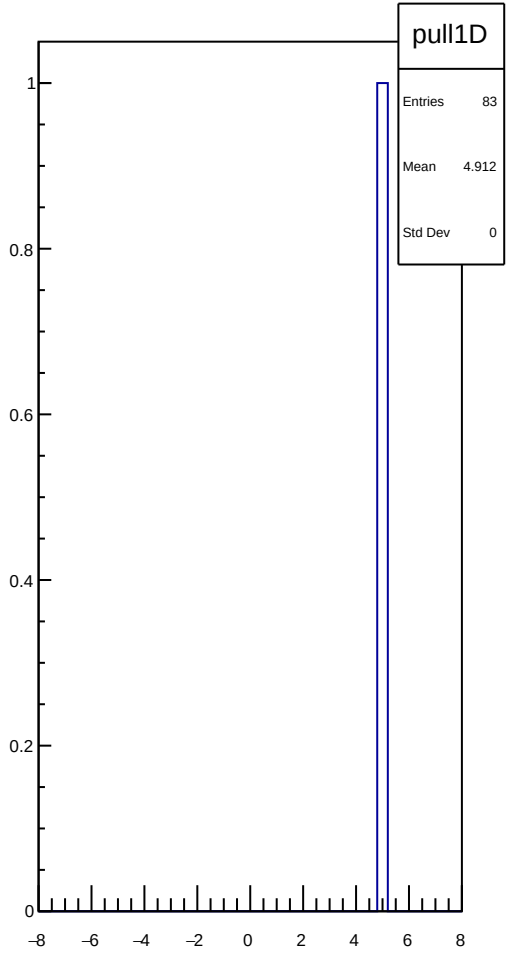

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

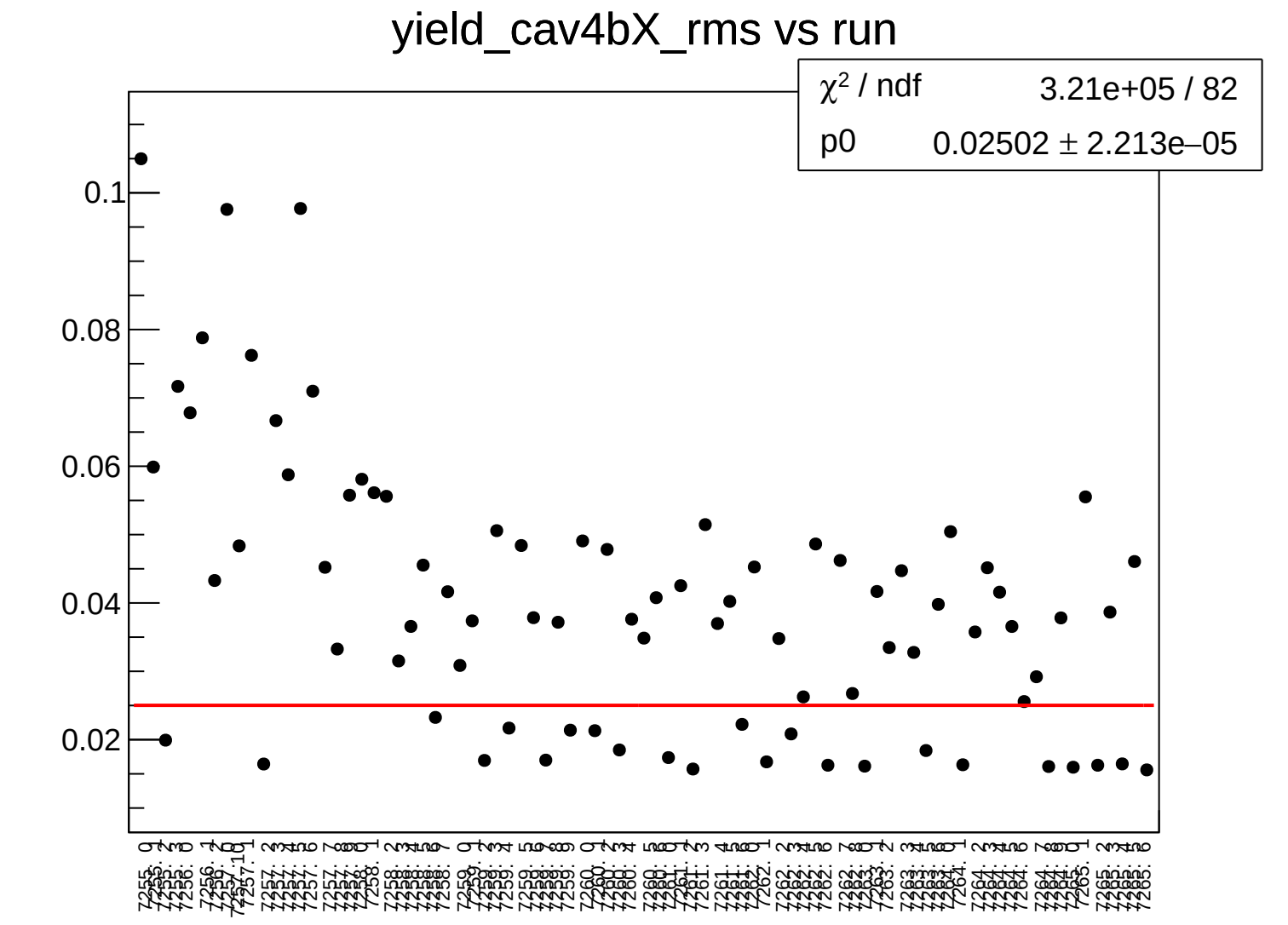

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

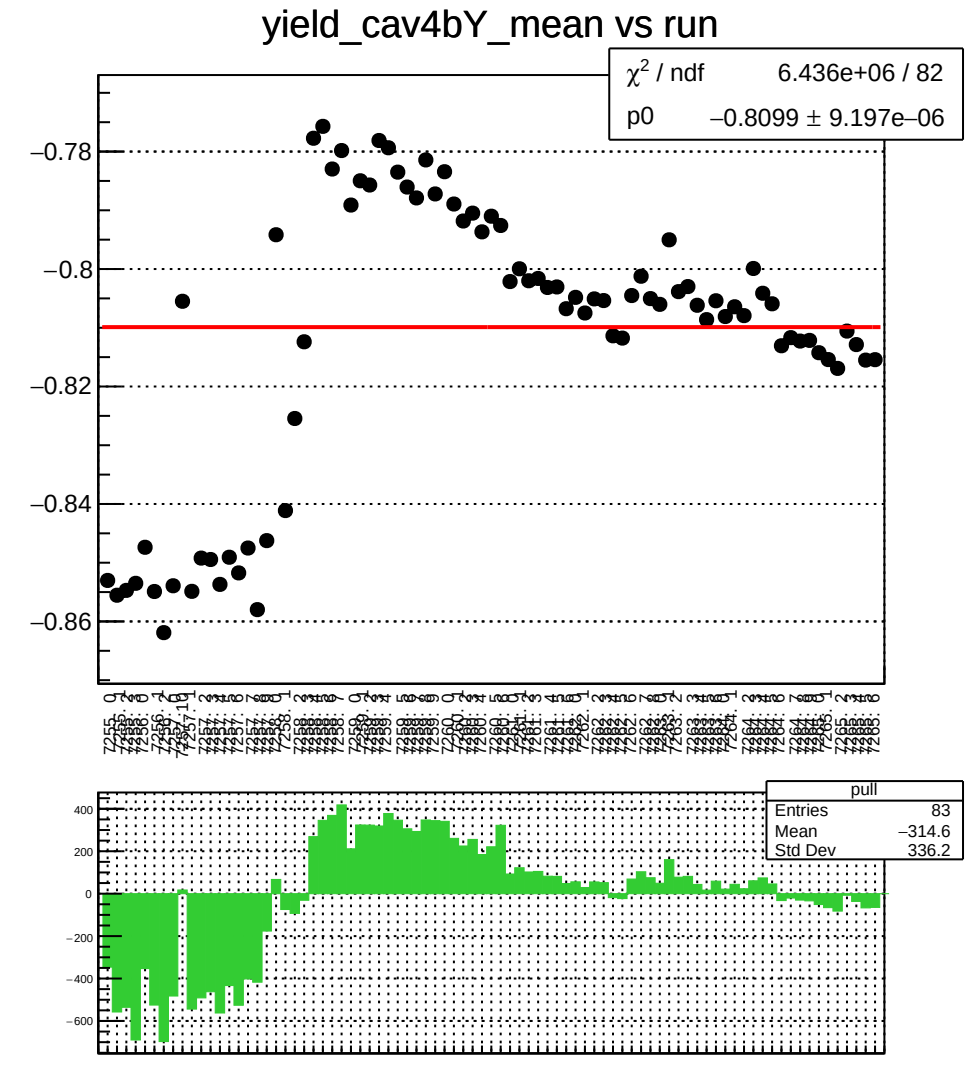

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

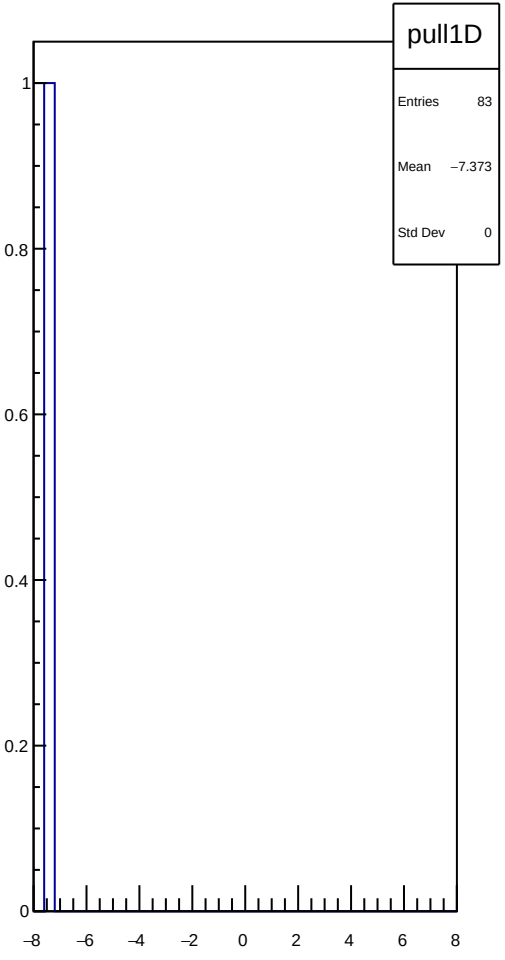

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

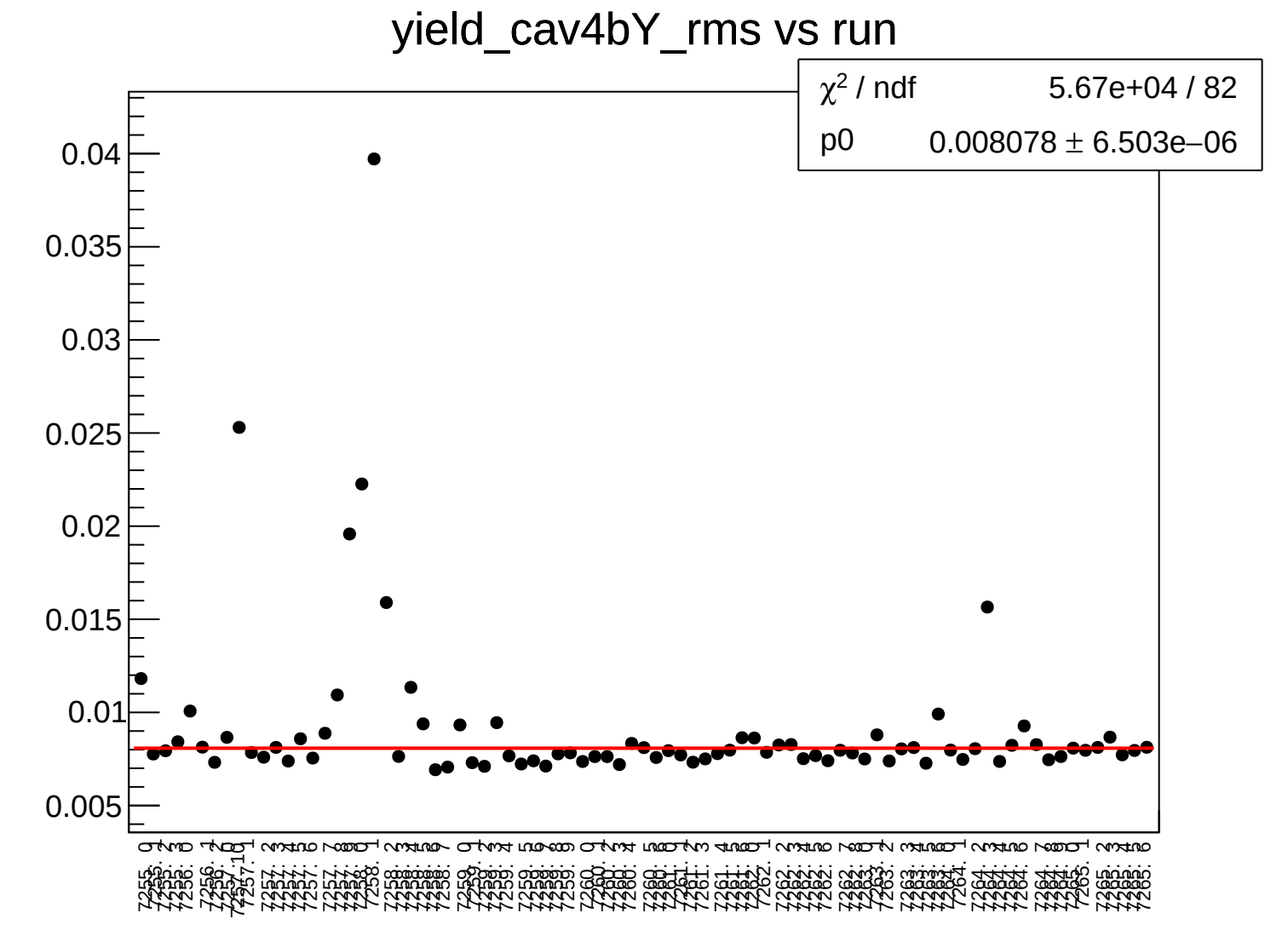

yield_cav4bX_mean vs run
χ² / ndf 2.745e+06 / 82
p0 −0.5952 ± 3.129e−05
pull
Entries 83
Mean −388.4
Std Dev 426

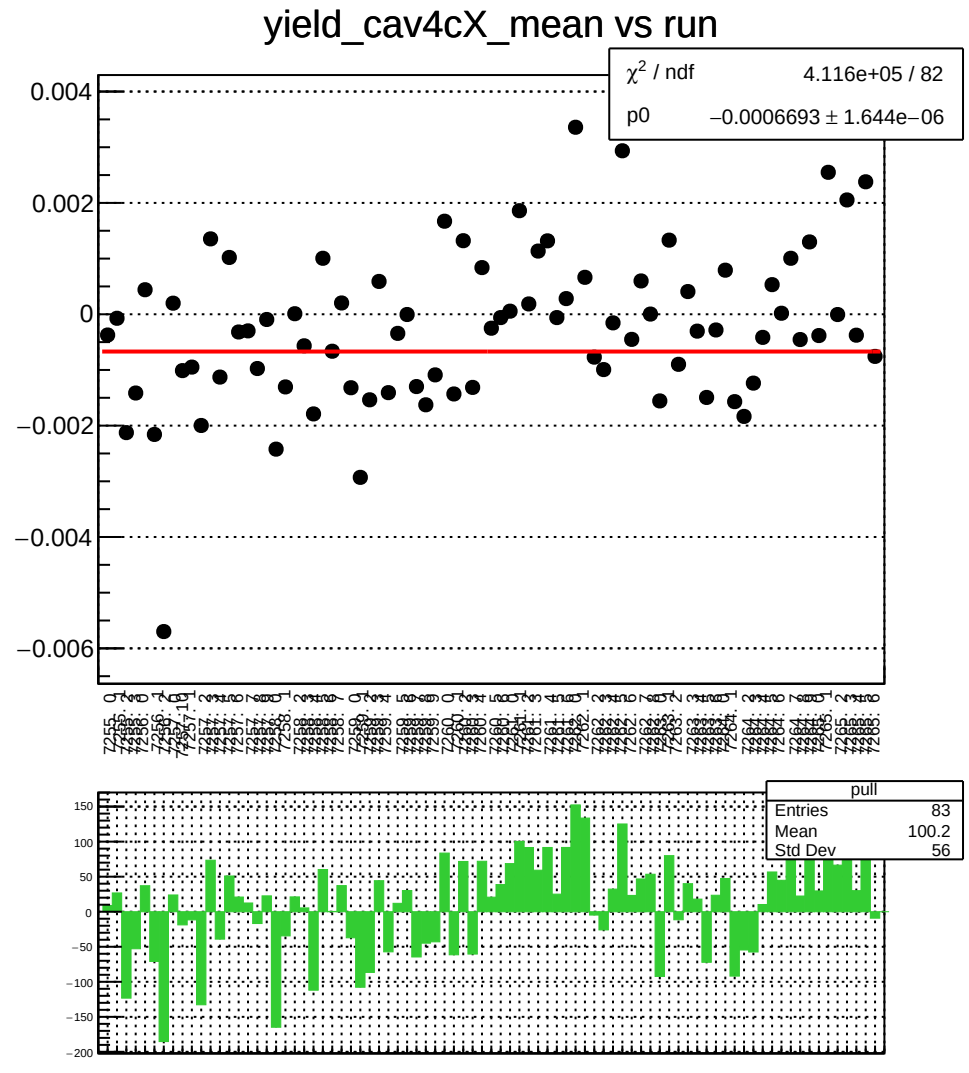

pull1D
Entries 83
Mean 4.912
Std Dev 0

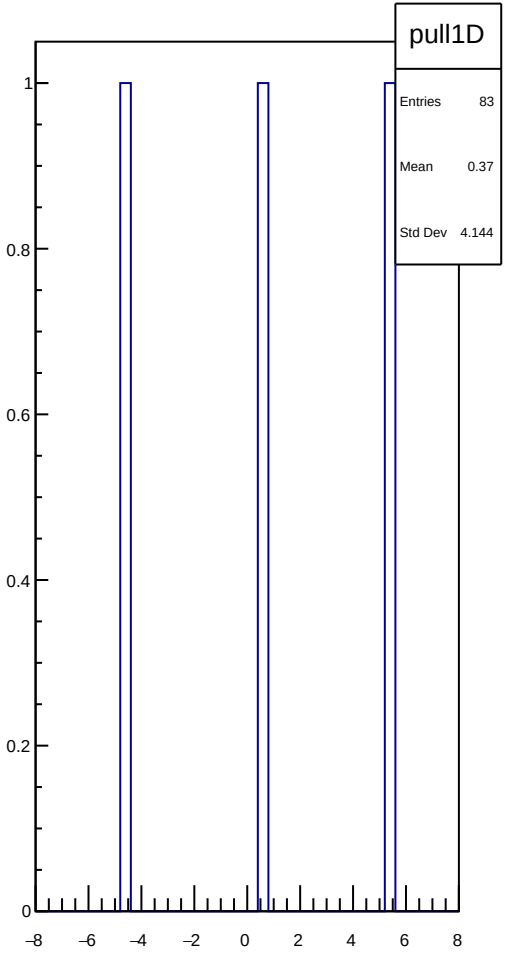

yield_cav4bX_rms vs run
χ² / ndf 3.21e+05 / 82
p0 0.02502 ± 2.213e−05
0.1
0.08
0.06
0.04
0.02

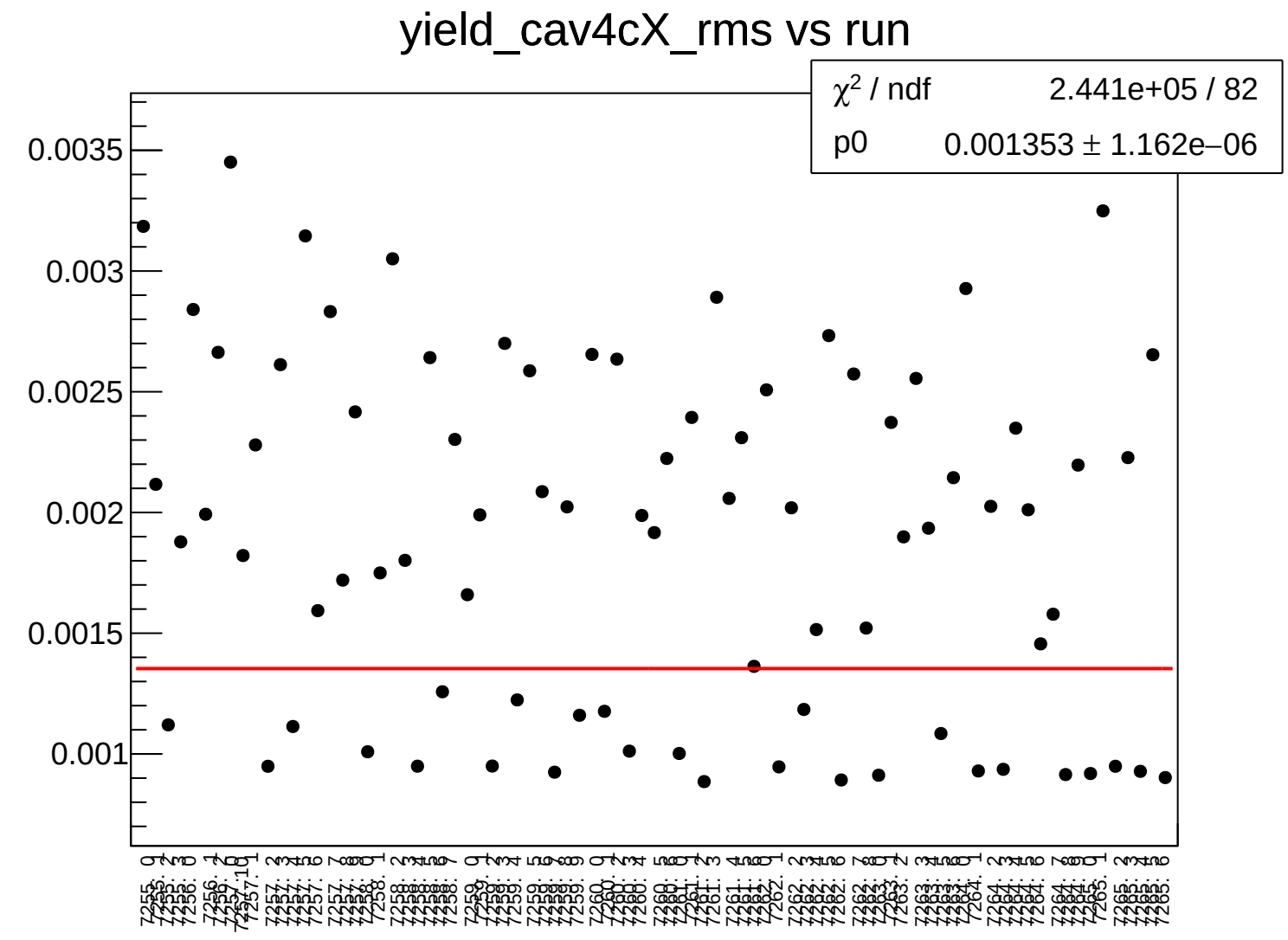

yield_cav4bY_mean vs run
χ² / ndf 6.436e+06 / 82
p0 −0.8099 ± 9.197e−06
−0.78
−0.8
−0.82
−0.84
−0.86
pull
Entries 83
Mean −314.6
Std Dev 336.2
400
200
0
−200
−400
−600

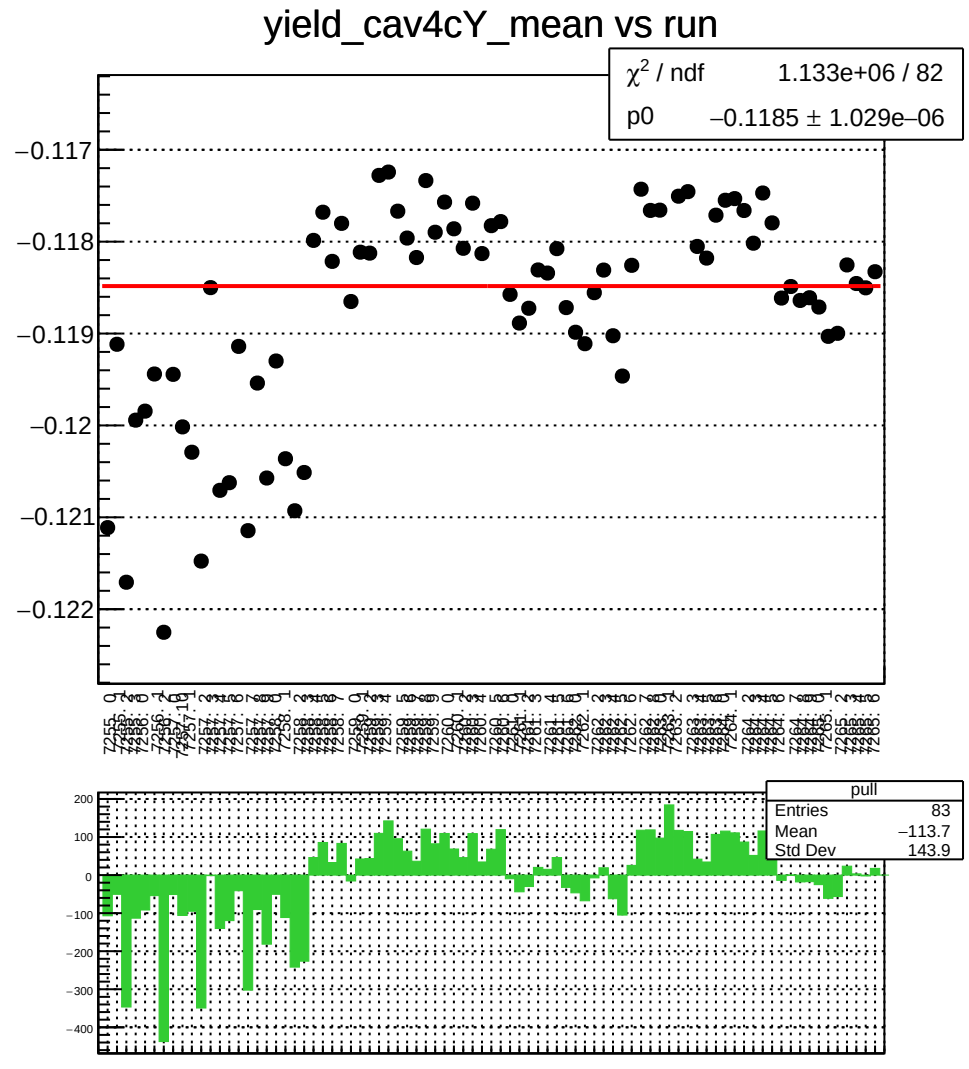

pull1D
Entries 83
Mean −7.373
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

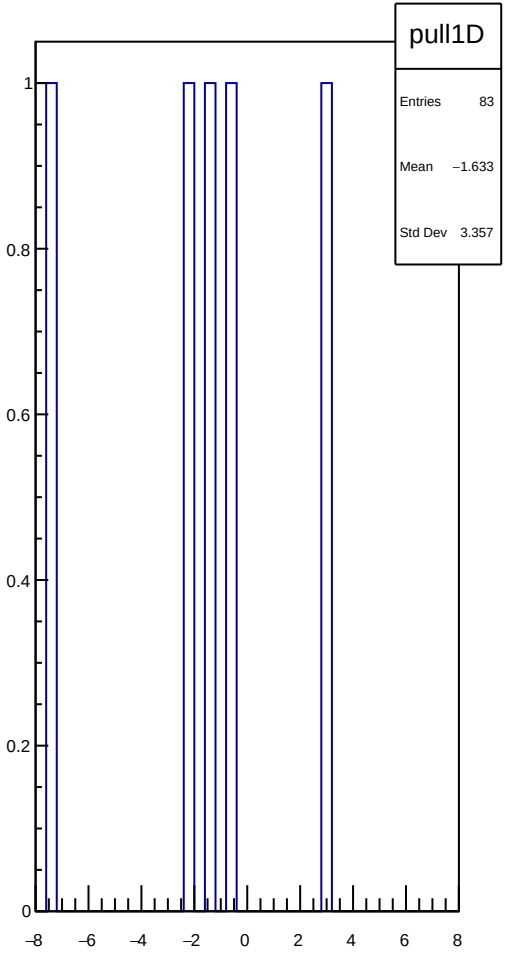

yield_cav4bY_rms vs run
χ^2 / ndf 5.67e+04 / 82
p0 0.008078 ± 6.503e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

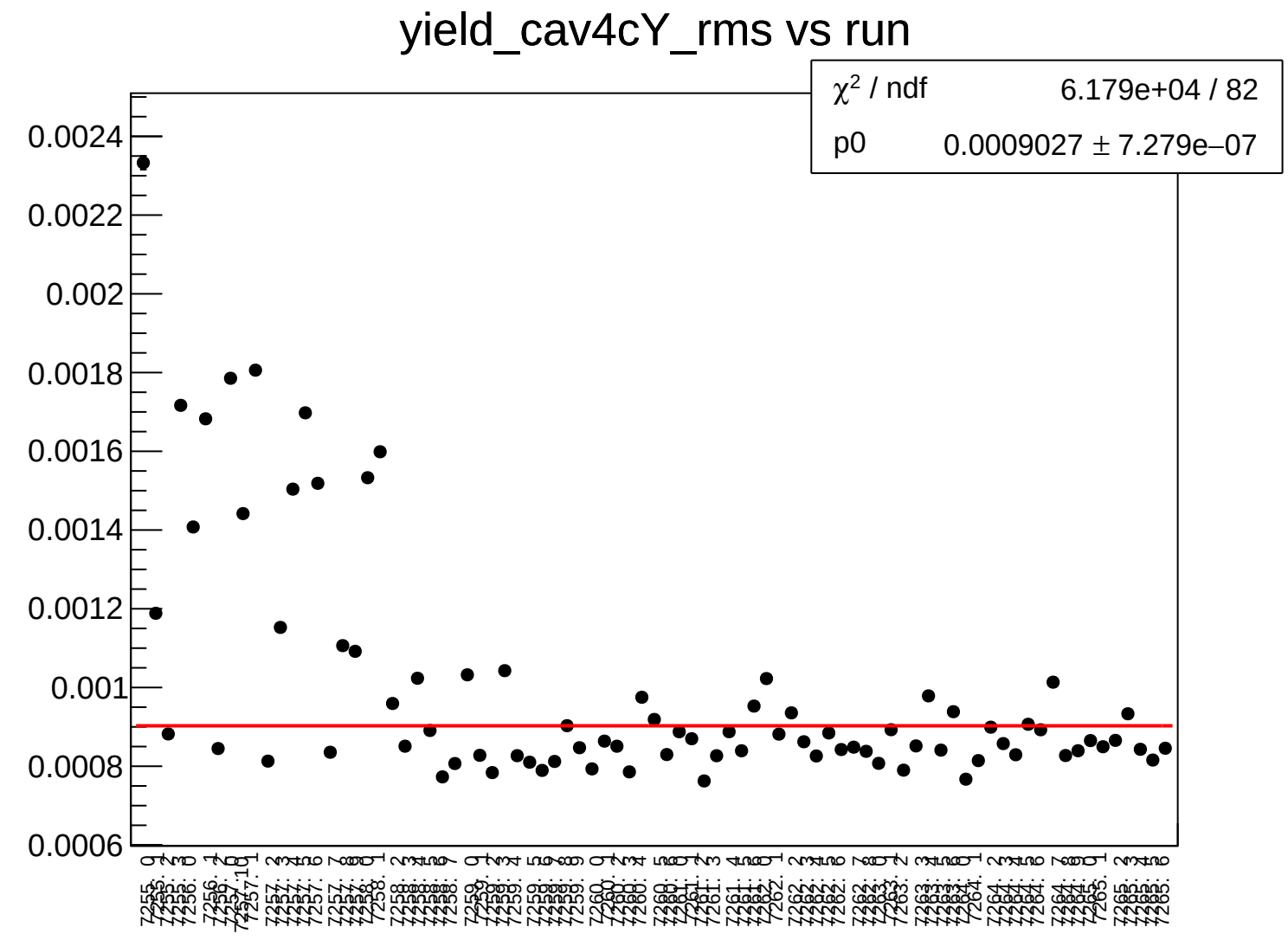

yield_cav4cX_mean vs run
χ² / ndf 4.116e+05 / 82
p0 −0.0006693 ± 1.644e−06
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 83
Mean 100.2
Std Dev 56
150
100
50
0
−50
−100
−150
−200

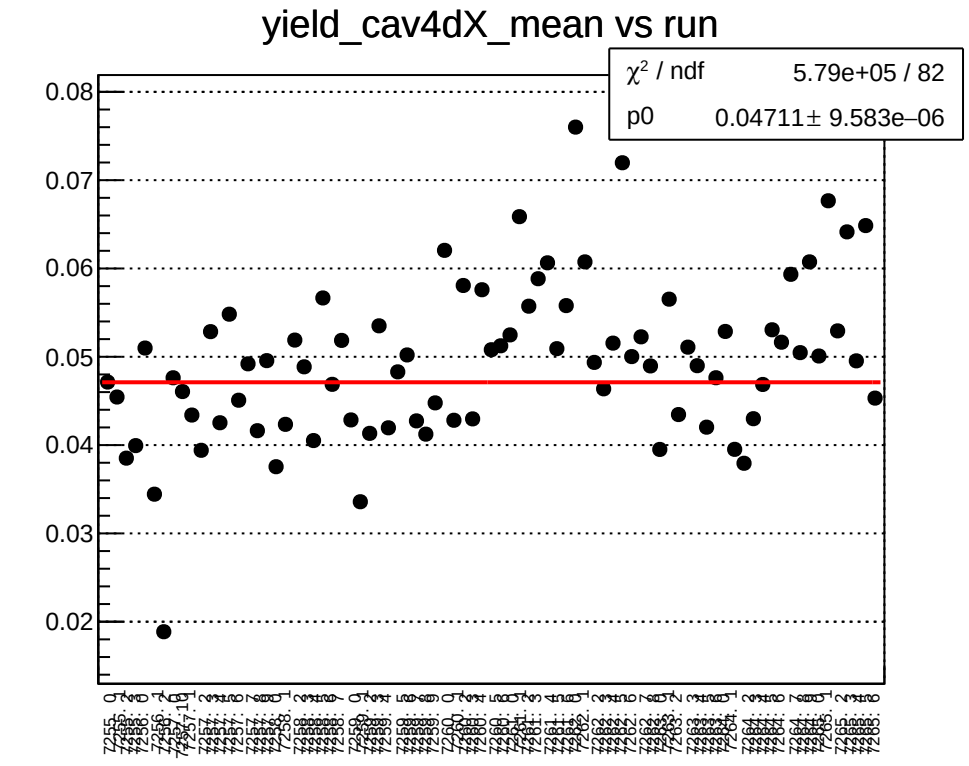

pull1D
Entries 83
Mean 0.37
Std Dev 4.144
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

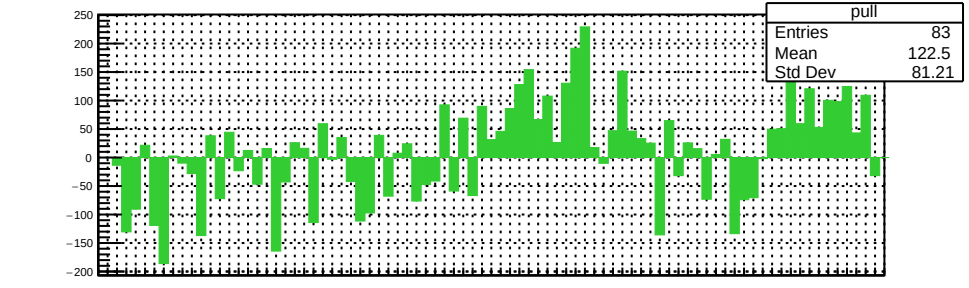

yield_cav4cX_rms vs run
χ² / ndf 2.441e+05 / 82
p0 0.001353 ± 1.162e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001

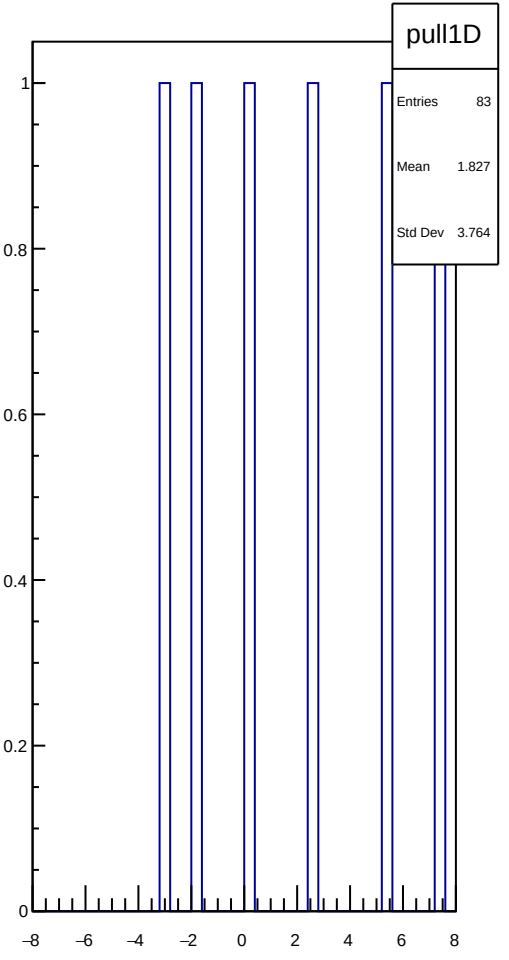

yield_cav4cY_mean vs run
χ² / ndf 1.133e+06 / 82
p0 −0.1185 ± 1.029e−06
−0.117
−0.118
−0.119
−0.12
−0.121
−0.122
pull
Entries 83
Mean −113.7
Std Dev 143.9
200
100
0
−100
−200
−300
−400

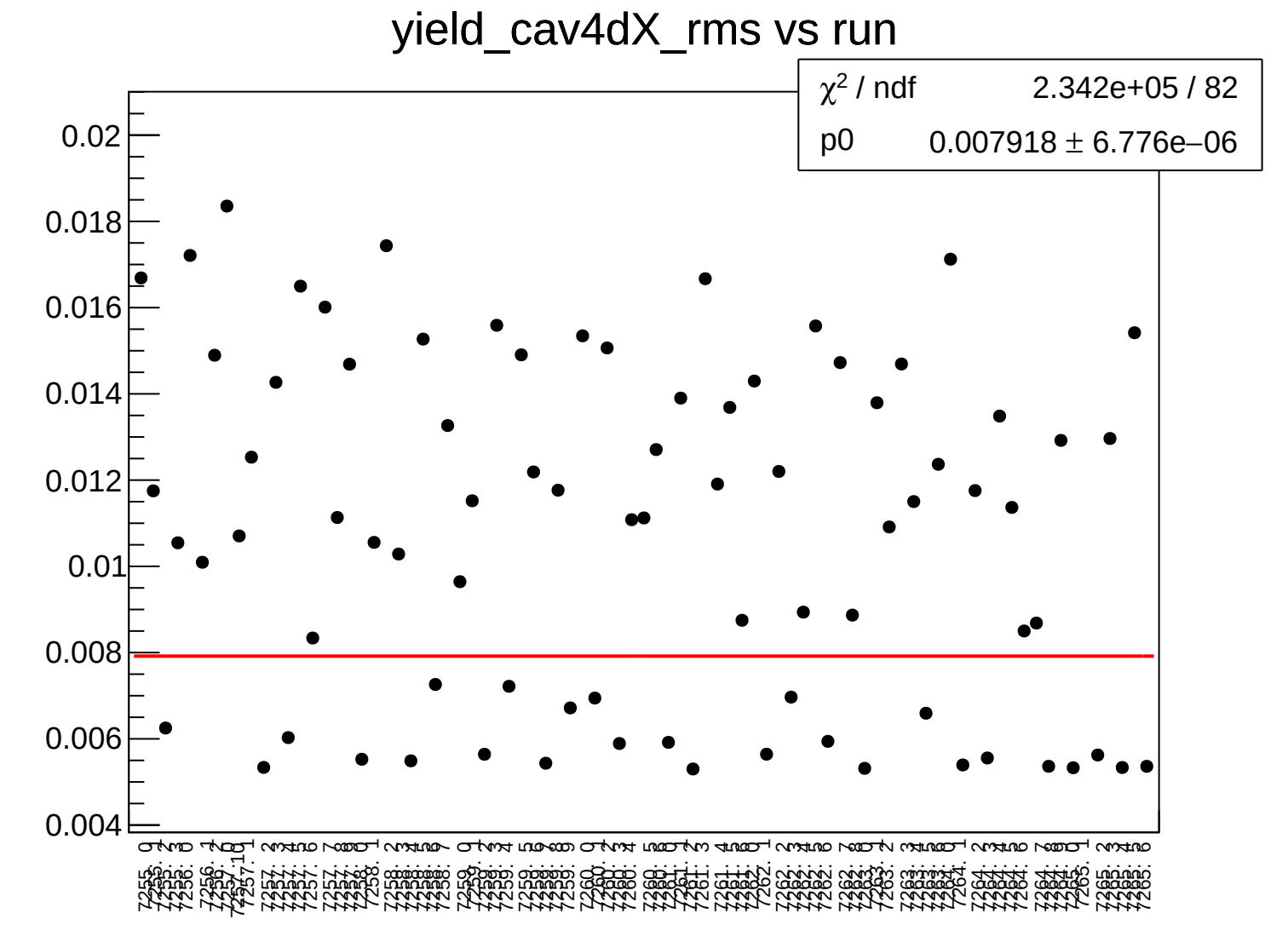

pull1D
Entries 83
Mean −1.633
Std Dev 3.357
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

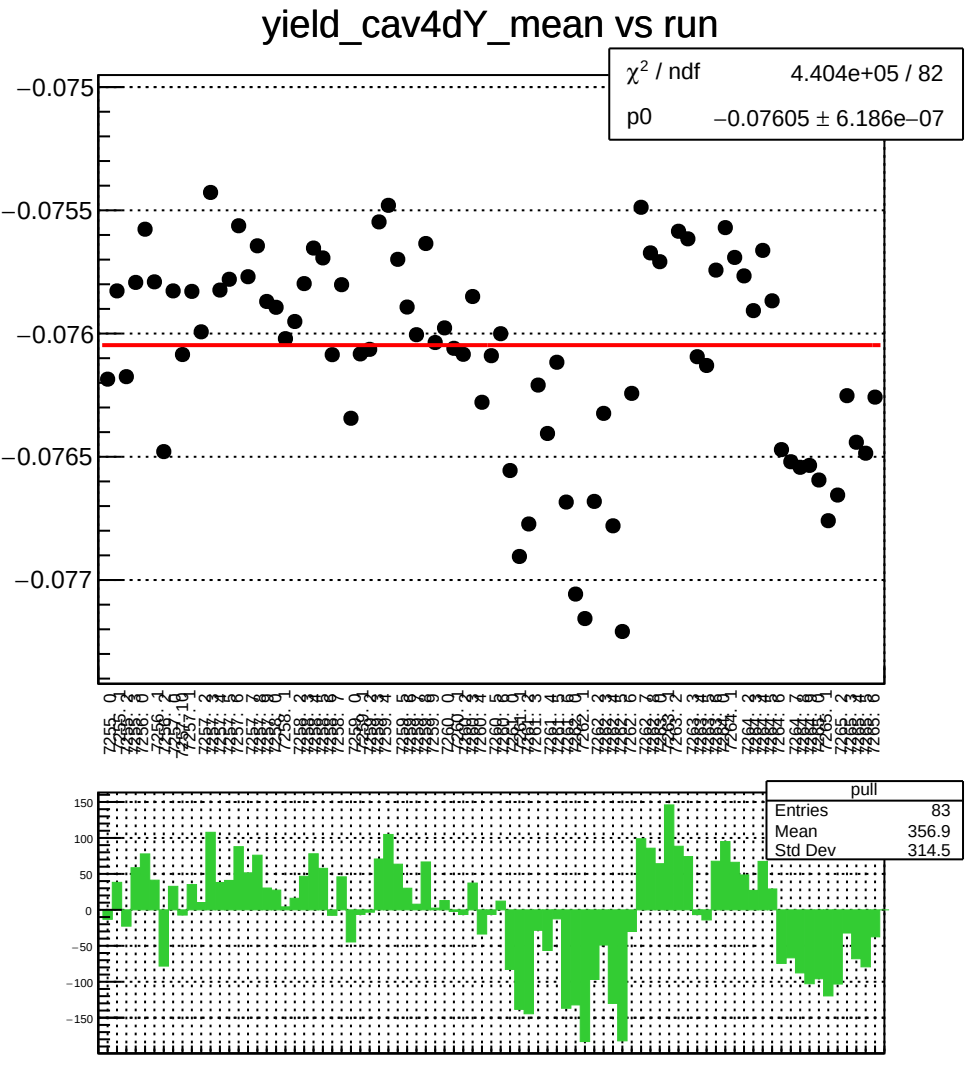

yield_cav4cY_rms vs run
χ² / ndf 6.179e+04 / 82
p0 0.0009027 ± 7.279e−07
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

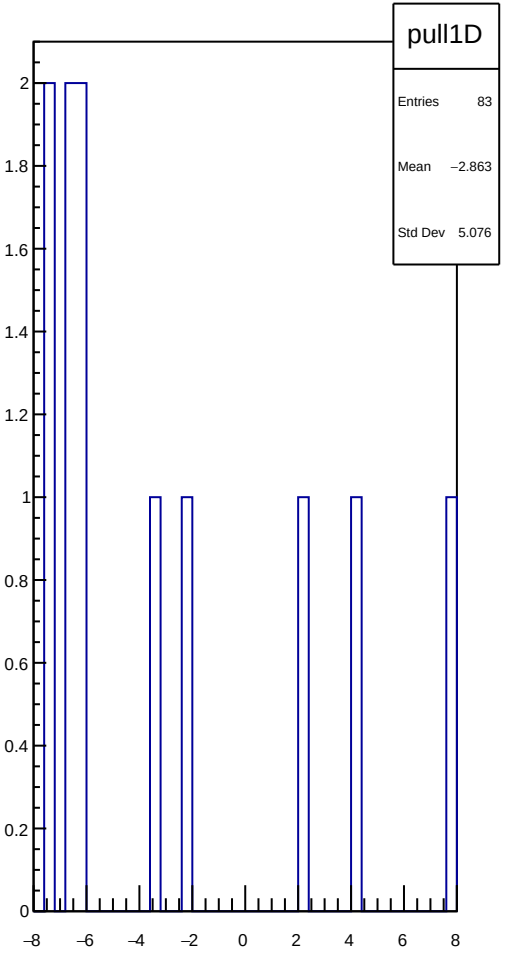

yield_cav4dX_mean vs run
χ² / ndf 5.79e+05 / 82
p0 0.04711± 9.583e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02

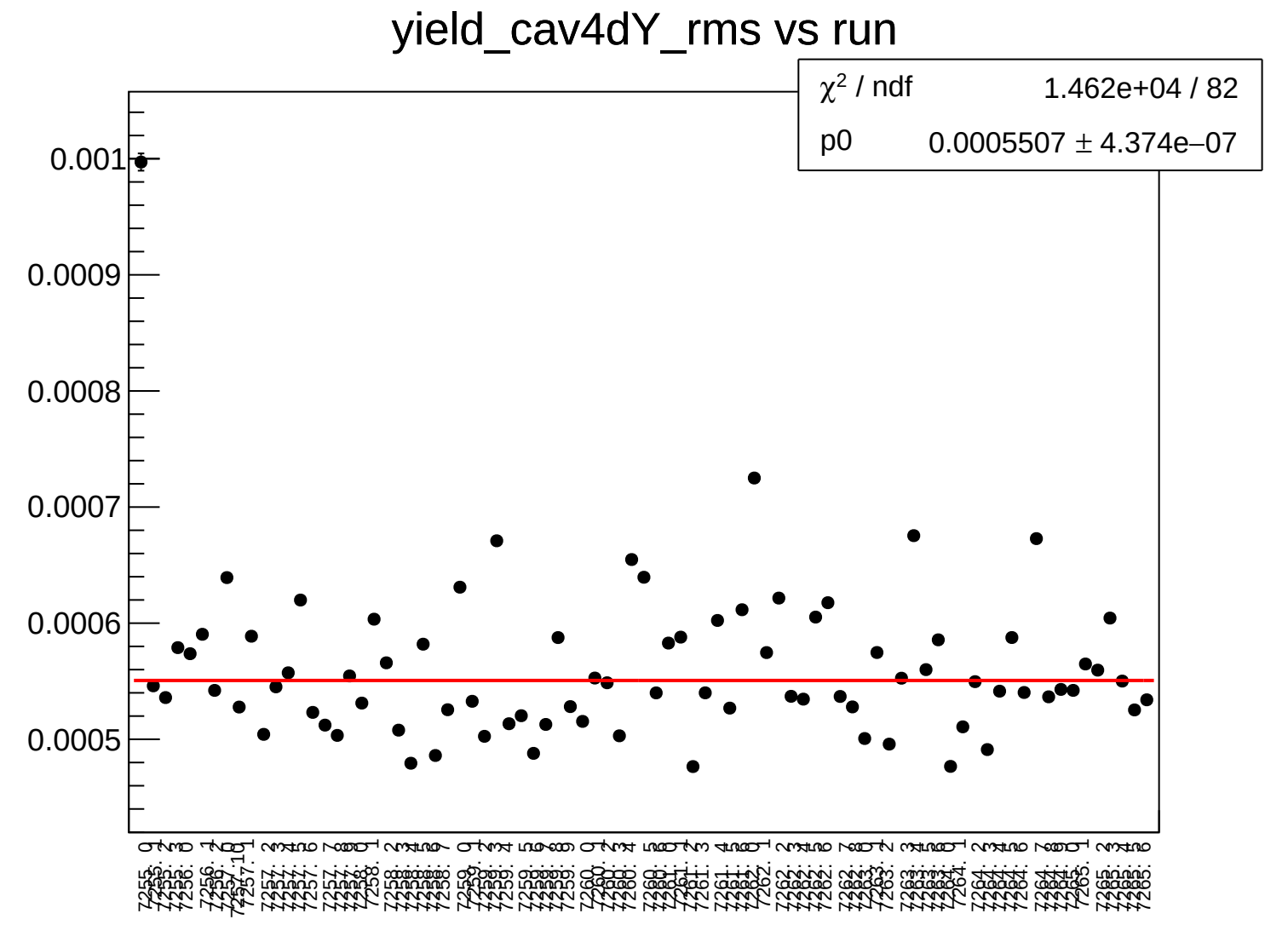

pull
Entries 83
Mean 122.5
Std Dev 81.21
250
200
150
100
50
0
−50
−100
−150
−200

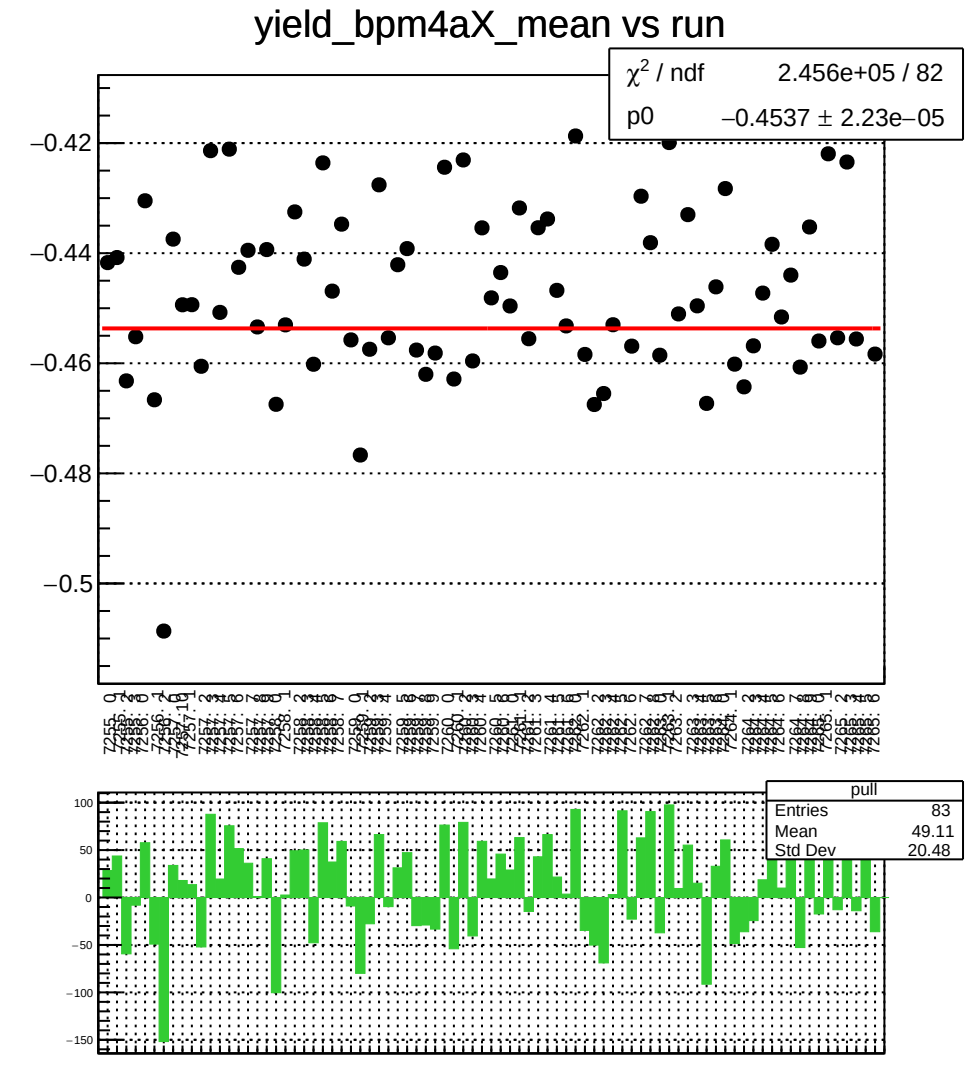

pull1D
Entries 83
Mean 1.827
Std Dev 3.764
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

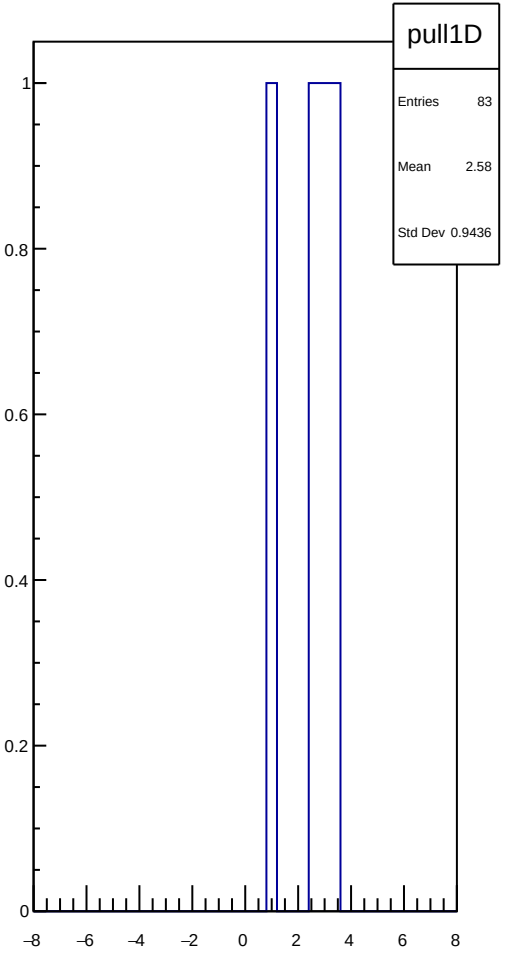

yield_cav4dX_rms vs run
χ² / ndf 2.342e+05 / 82
p0 0.007918 ± 6.776e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

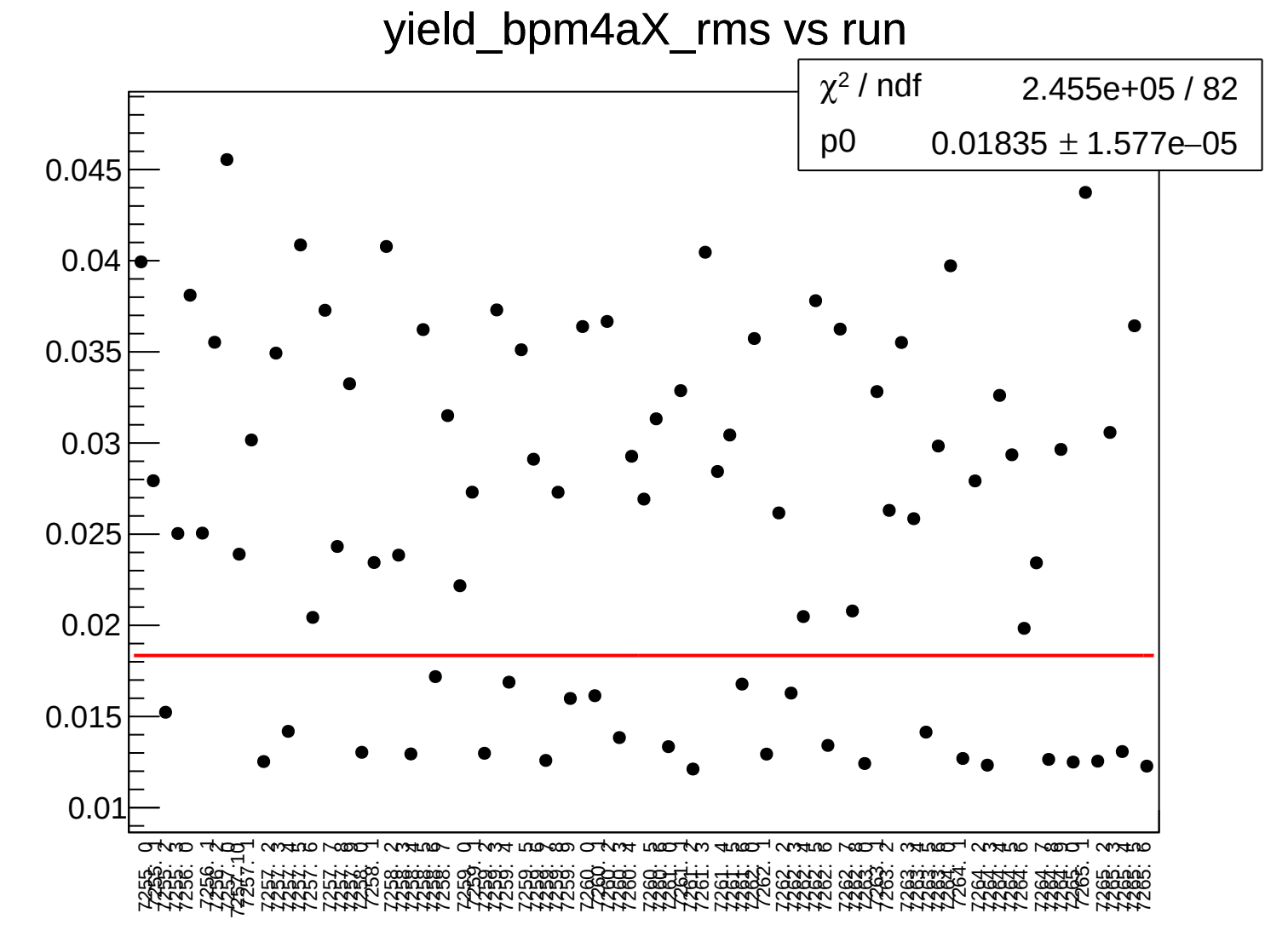

yield_cav4dY_mean vs run
χ² / ndf 4.404e+05 / 82
p0 −0.07605 ± 6.186e−07
−0.075
−0.0755
−0.076
−0.0765
−0.077
pull
Entries 83
Mean 356.9
Std Dev 314.5
150
100
50
0
−50
−100
−150

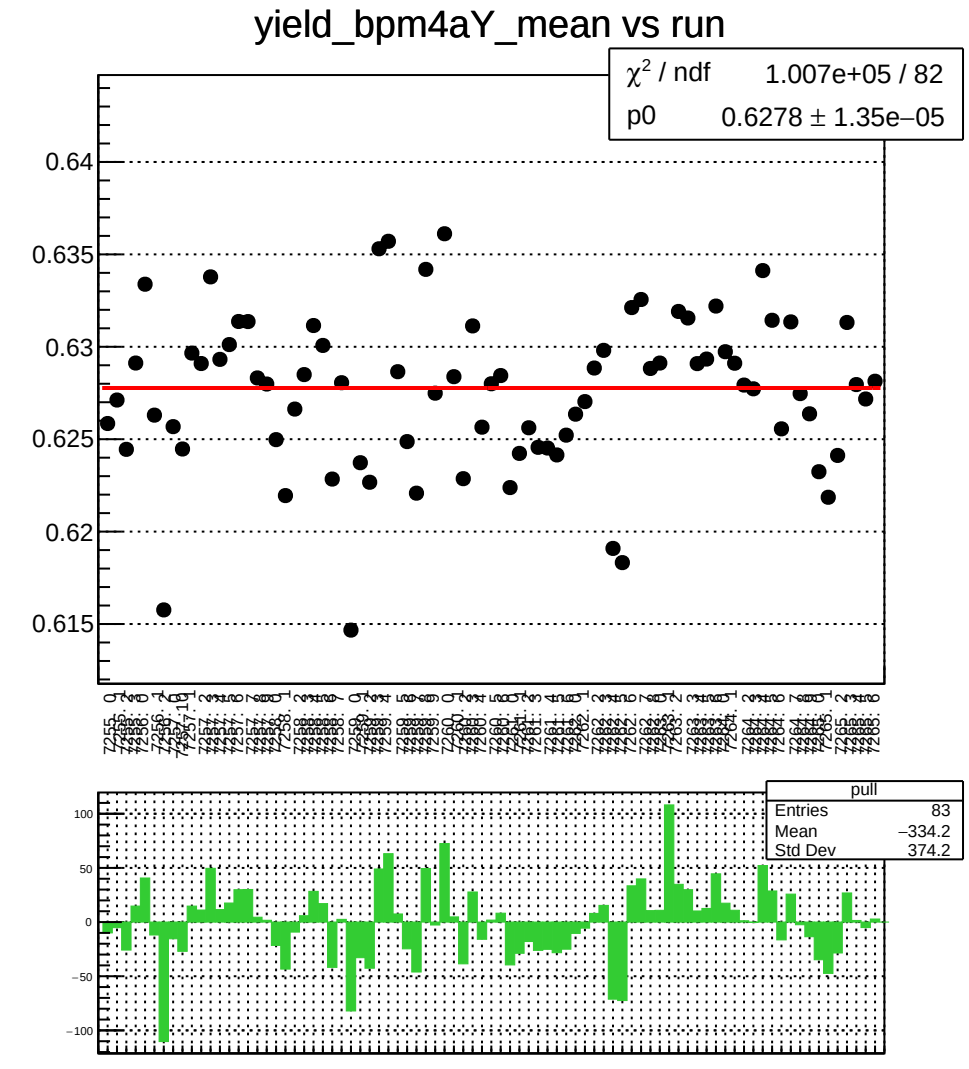

pull1D
Entries 83
Mean −2.863
Std Dev 5.076
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

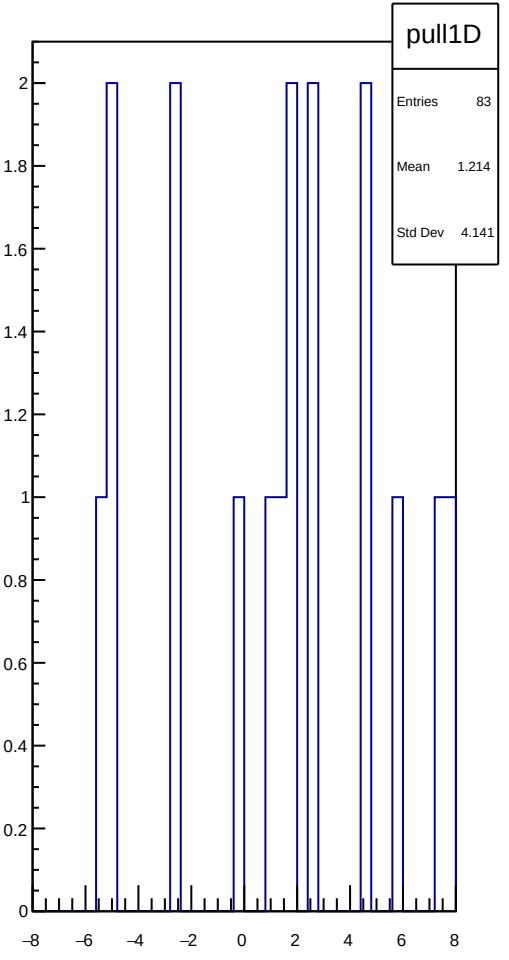

yield_cav4dY_rms vs run
χ² / ndf 1.462e+04 / 82
p0 0.0005507 ± 4.374e−07
0.001
0.0009
0.0008
0.0007
0.0006
0.0005

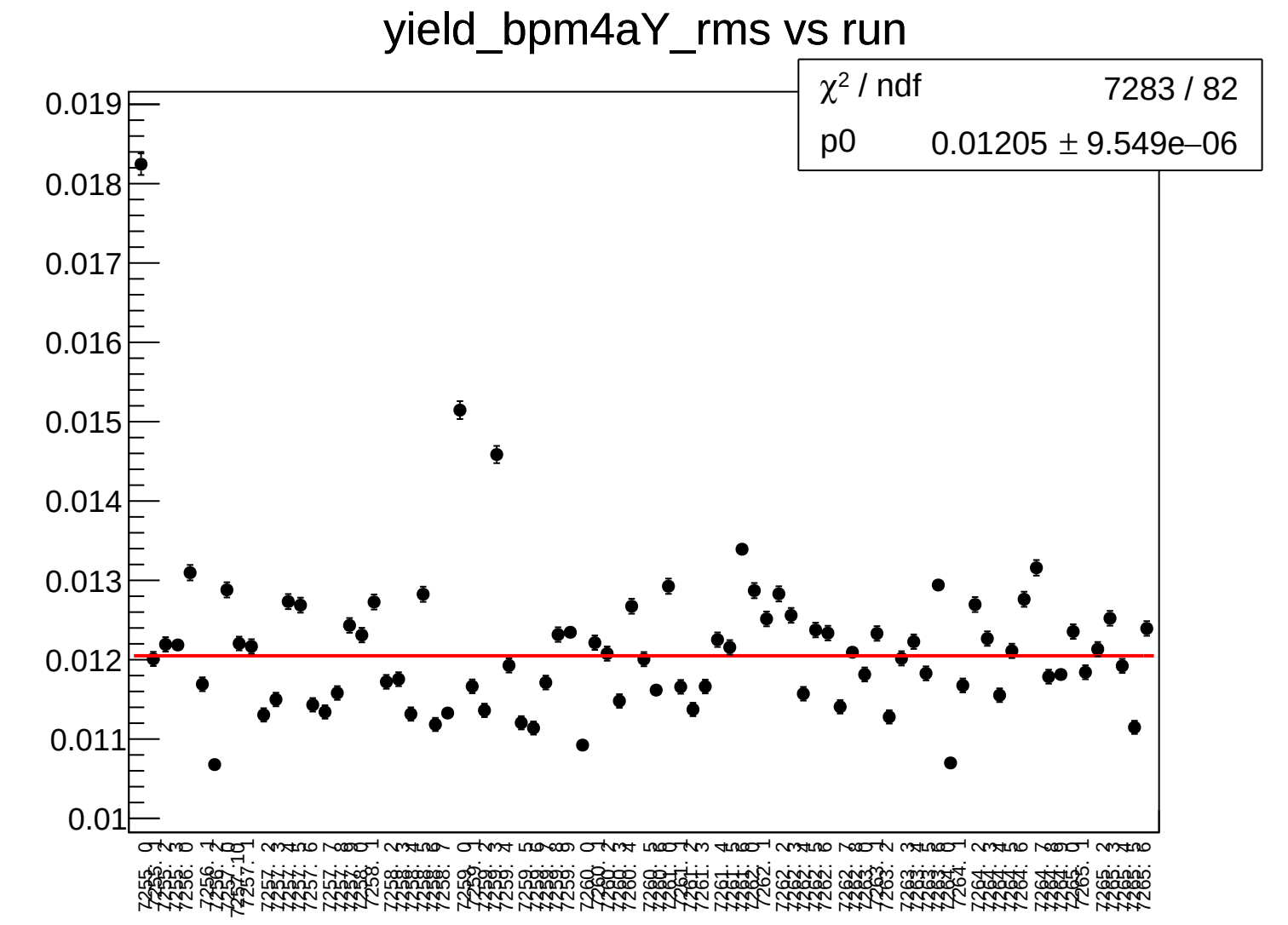

yield_bpm4aX_mean vs run
χ² / ndf 2.456e+05 / 82
p0 −0.4537 ± 2.23e−05
−0.42
−0.44
−0.46
−0.48
−0.5
pull
Entries 83
Mean 49.11
Std Dev 20.48
100
50
0
−50
−100
−150

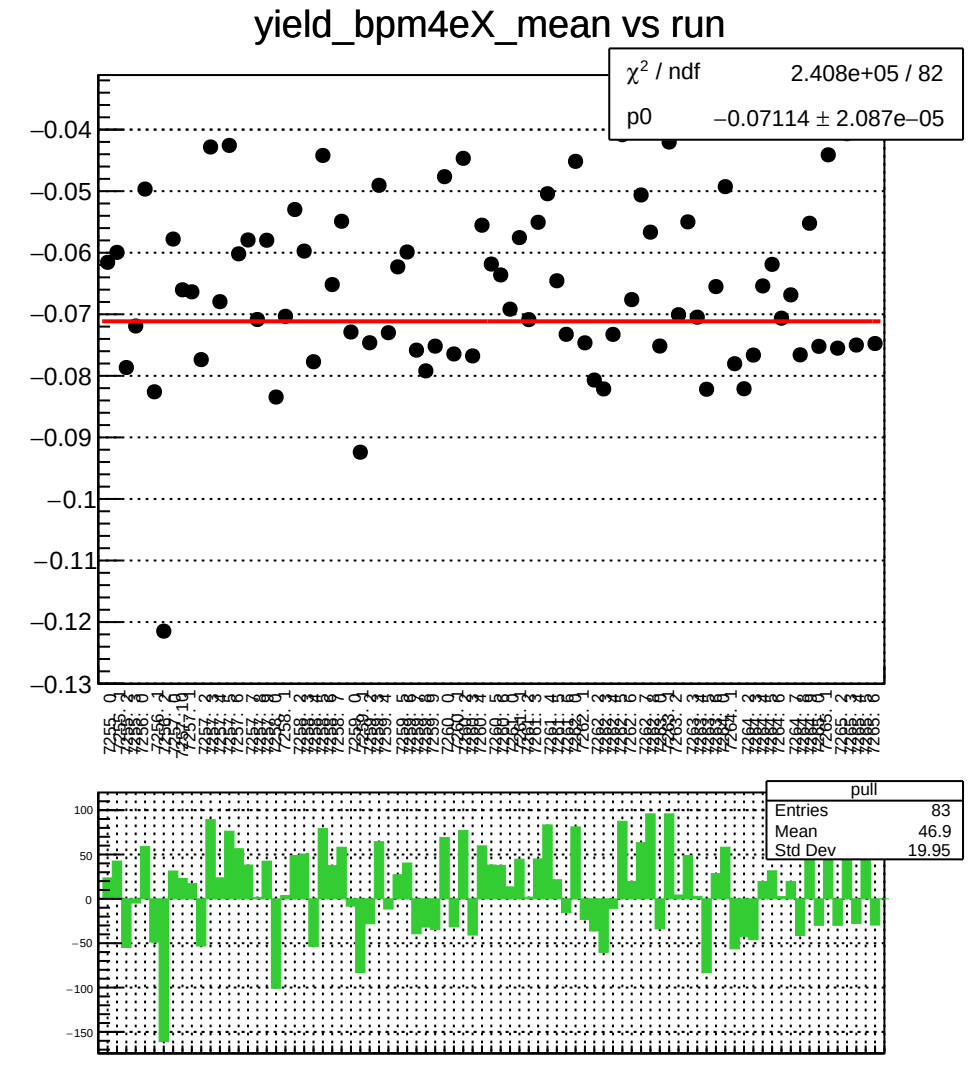

pull1D
Entries 83
Mean 2.58
Std Dev 0.9436
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

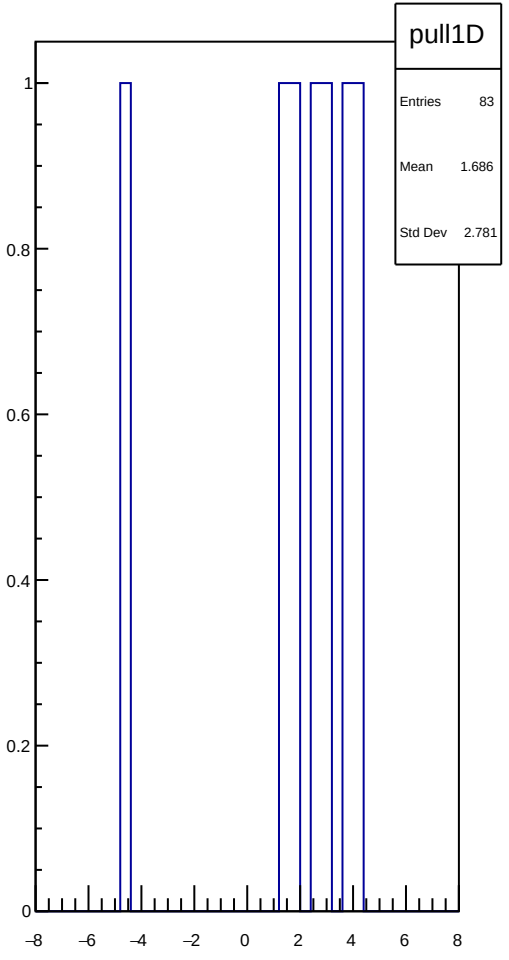

yield_bpm4aX_rms vs run
χ² / ndf 2.455e+05 / 82
p0 0.01835 ± 1.577e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

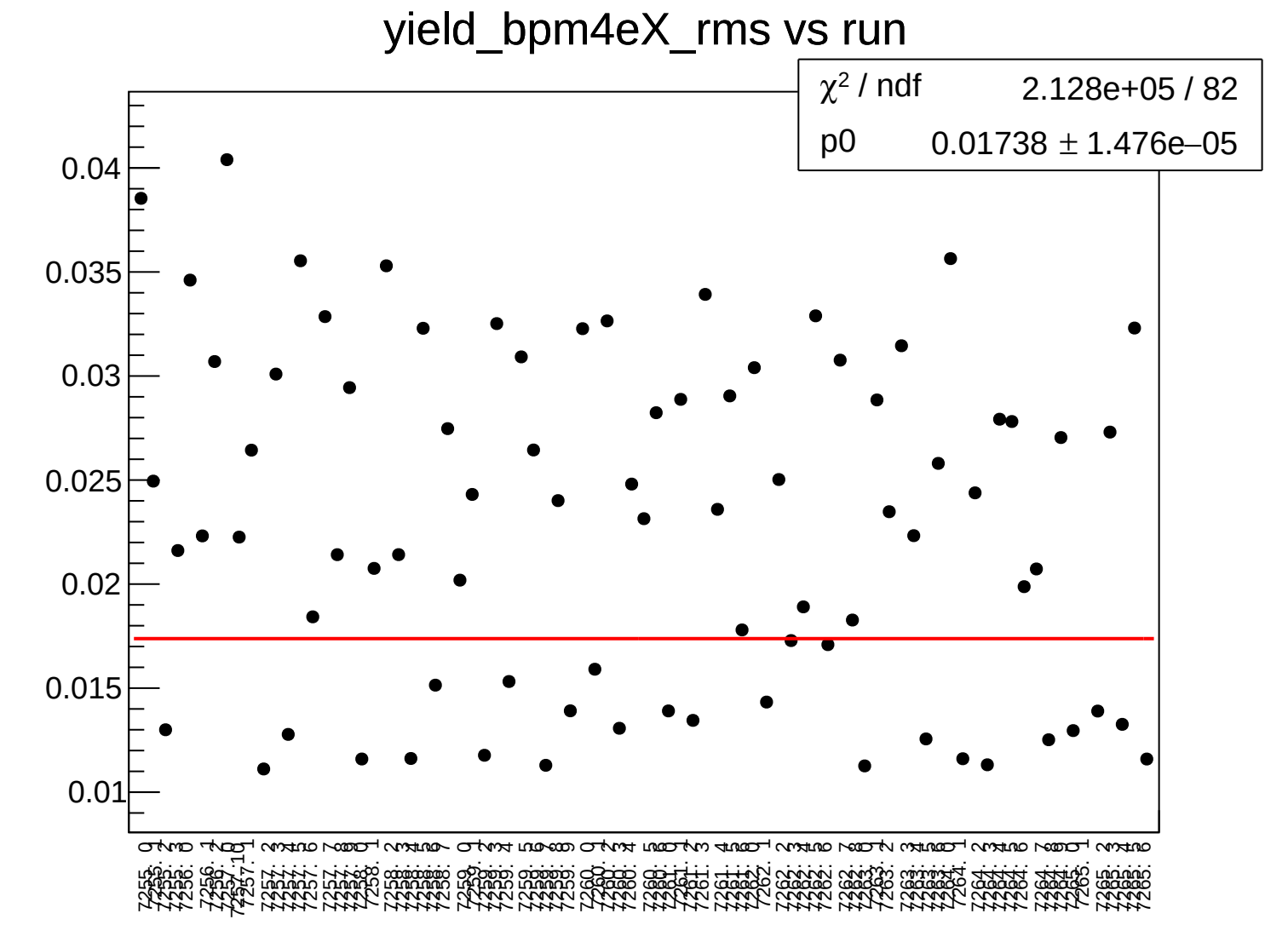

yield_bpm4aY_mean vs run
χ² / ndf 1.007e+05 / 82
p0 0.6278 ± 1.35e−05
0.64
0.635
0.63
0.625
0.62
0.615
pull
Entries 83
Mean −334.2
Std Dev 374.2
100
50
0
−50
−100

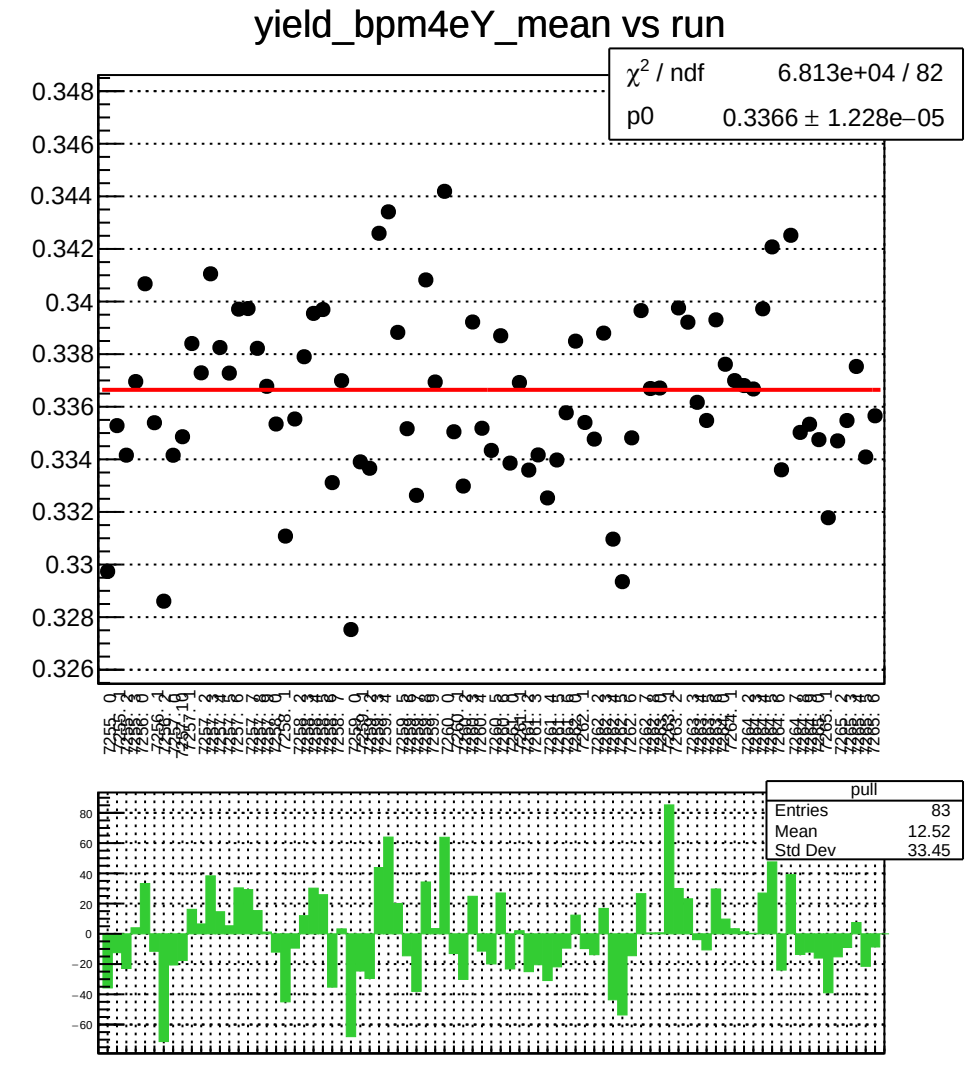

pull1D
Entries 83
Mean 1.214
Std Dev 4.141
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

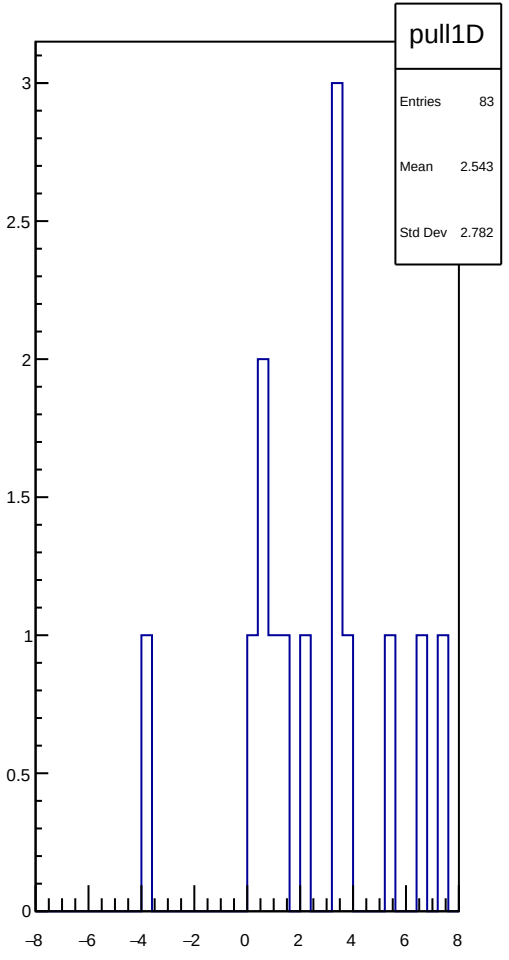

yield_bpm4aY_rms vs run
χ² / ndf 7283 / 82
p0 0.01205 ± 9.549e–06
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01

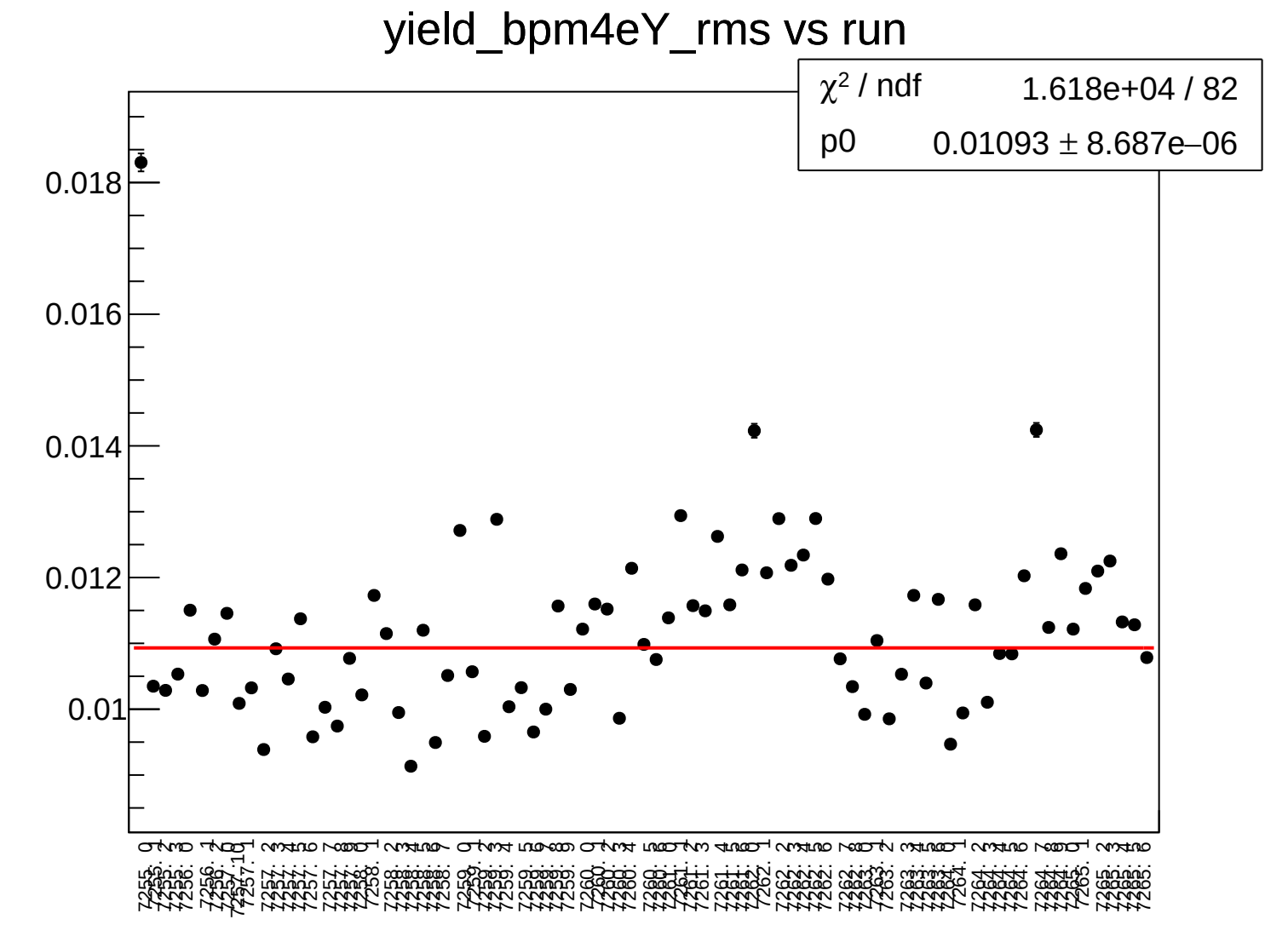

yield_bpm4eX_mean vs run
χ² / ndf 2.408e+05 / 82
p0 −0.07114 ± 2.087e−05
pull
Entries 83
Mean 46.9
Std Dev 19.95

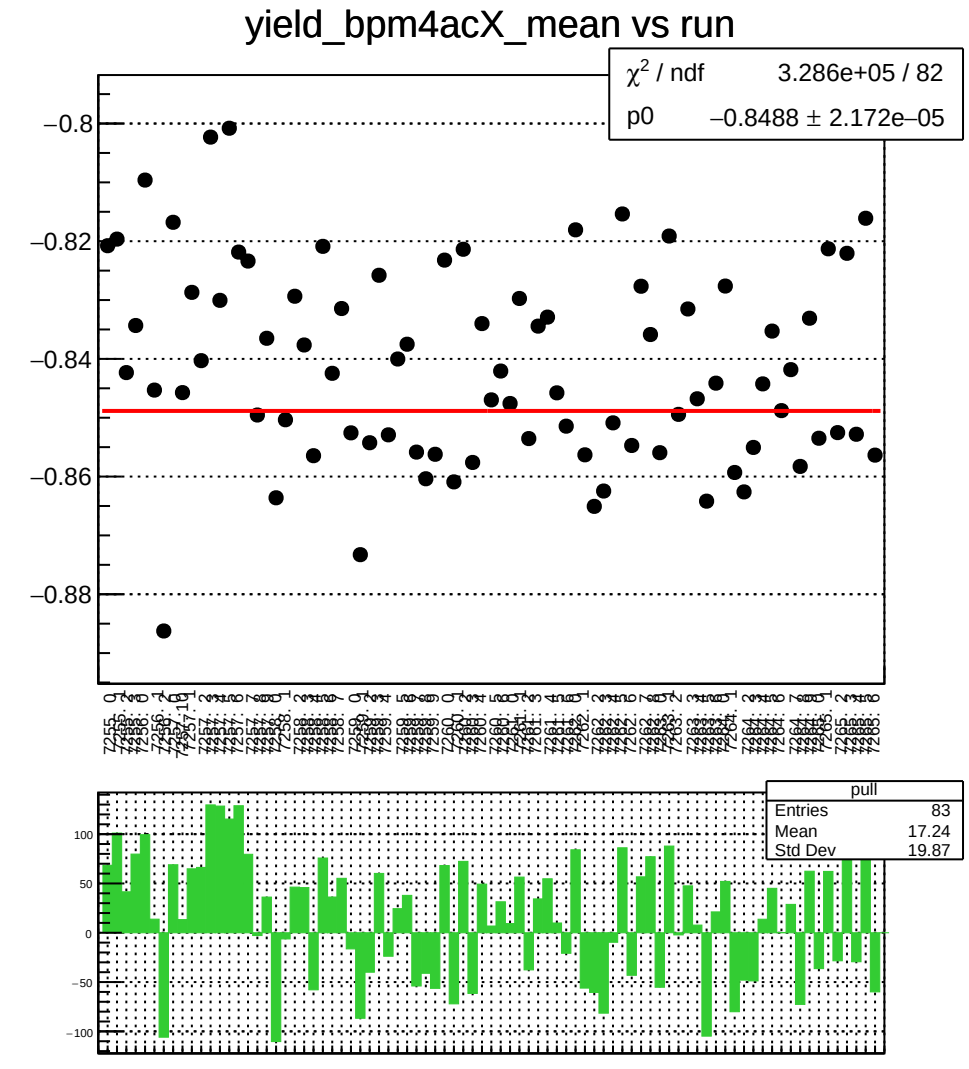

pull1D
Entries 83
Mean 1.686
Std Dev 2.781

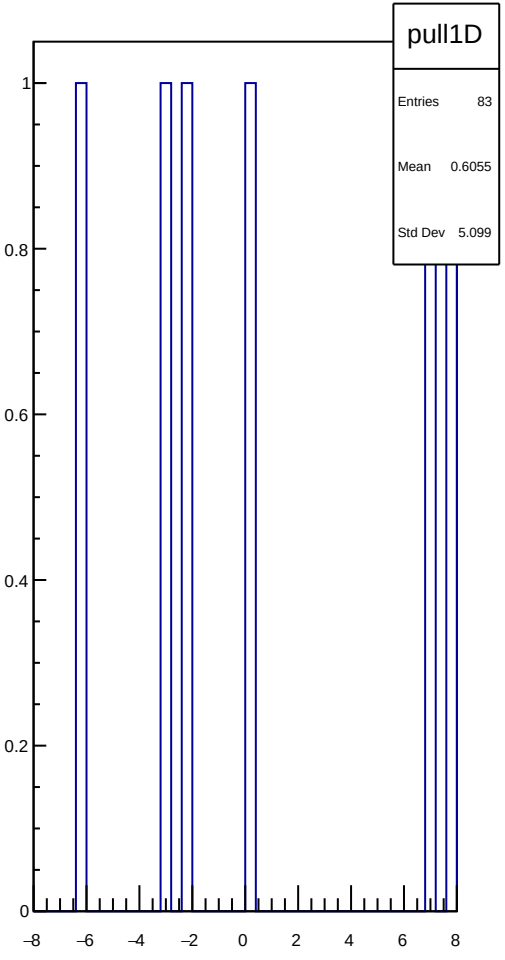

yield_bpm4eX_rms vs run
χ² / ndf 2.128e+05 / 82
p0 0.01738 ± 1.476e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

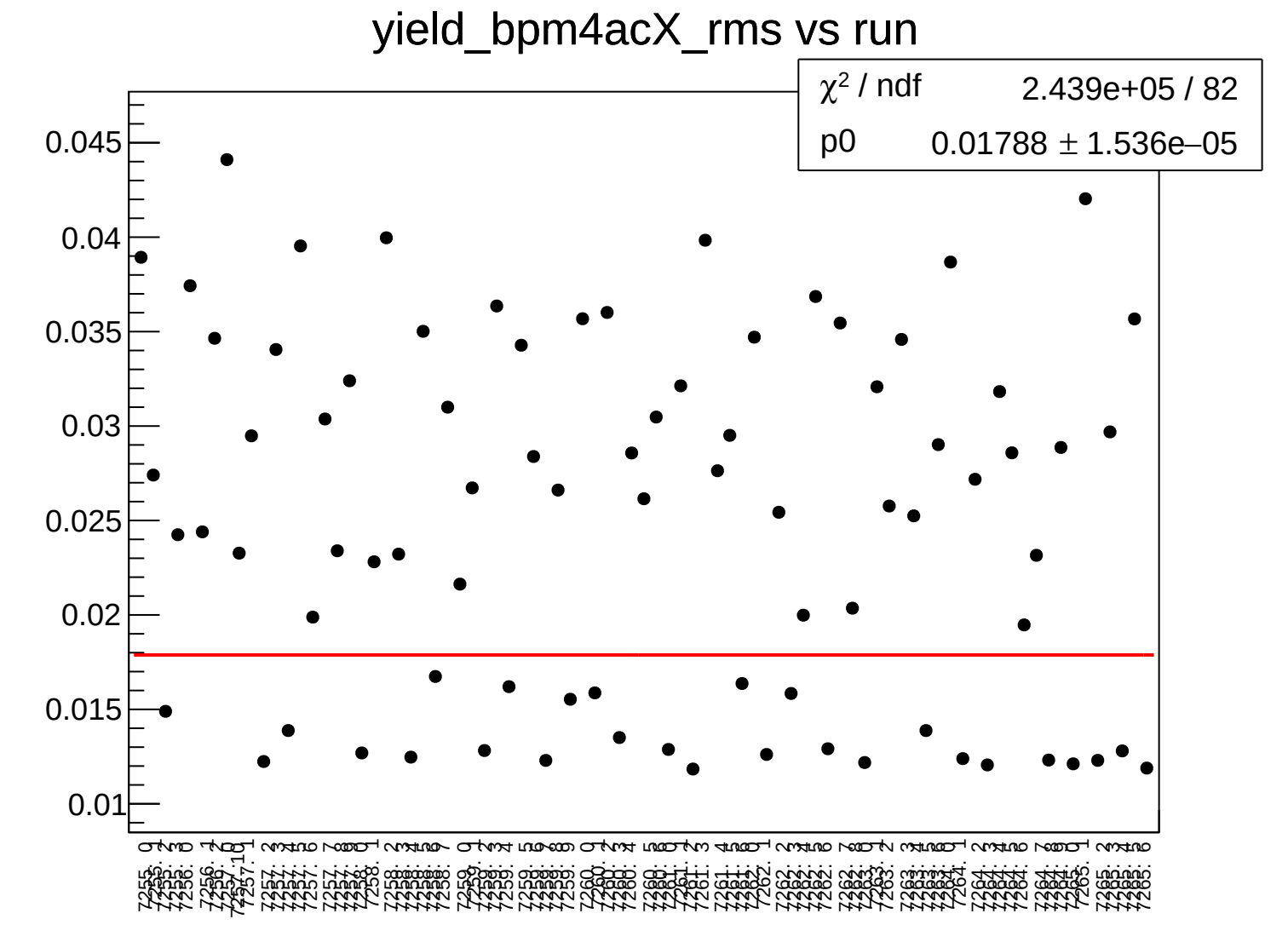

yield_bpm4eY_mean vs run
χ² / ndf 6.813e+04 / 82
p0 0.3366 ± 1.228e−05
0.348
0.346
0.344
0.342
0.34
0.338
0.336
0.334
0.332
0.33
0.328
0.326
pull
Entries 83
Mean 12.52
Std Dev 33.45
80
60
40
20
0
−20
−40
−60

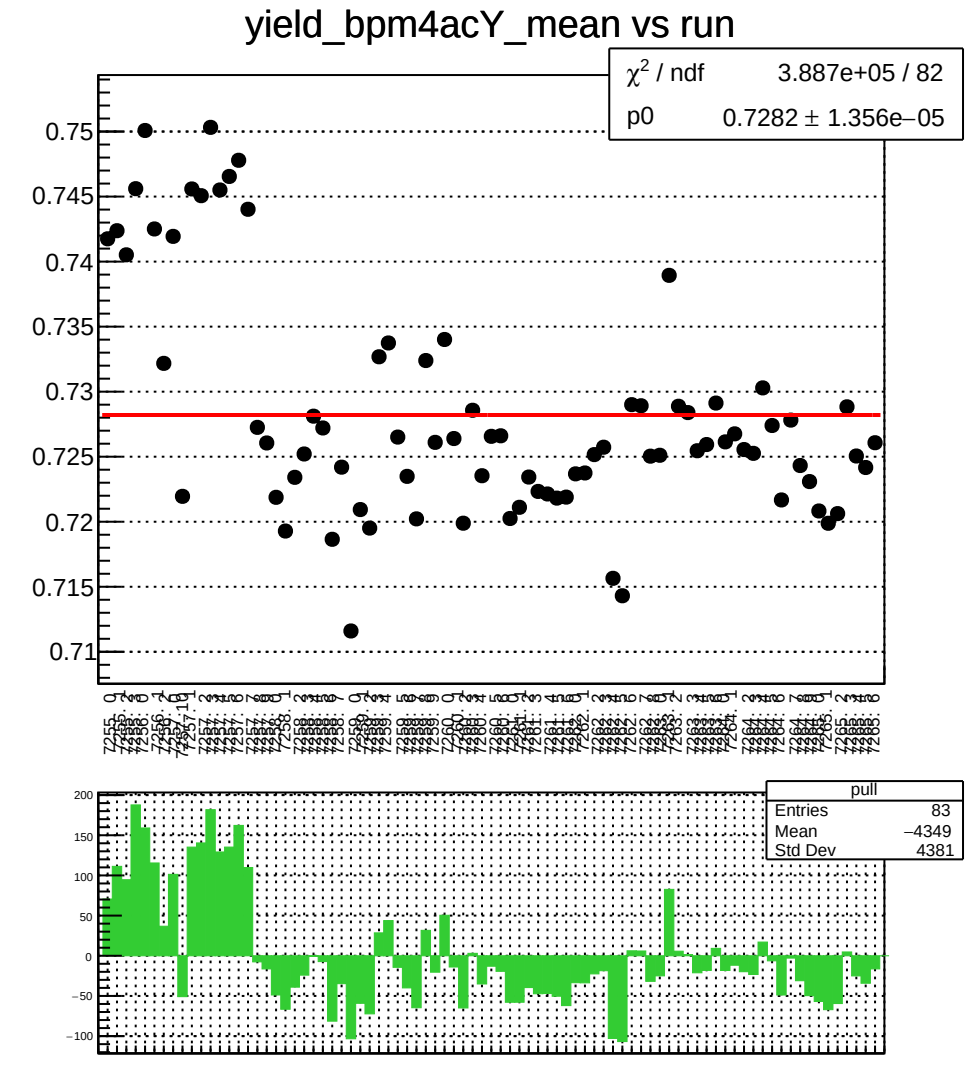

pull1D
Entries 83
Mean 2.543
Std Dev 2.782
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

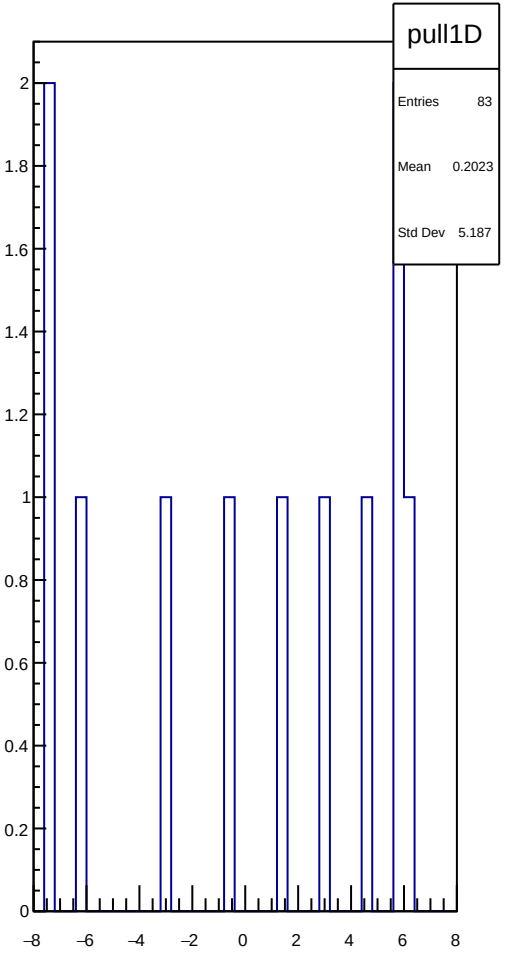

yield_bpm4eY_rms vs run
χ² / ndf 1.618e+04 / 82
p0 0.01093 ± 8.687e–06
0.018
0.016
0.014
0.012
0.01

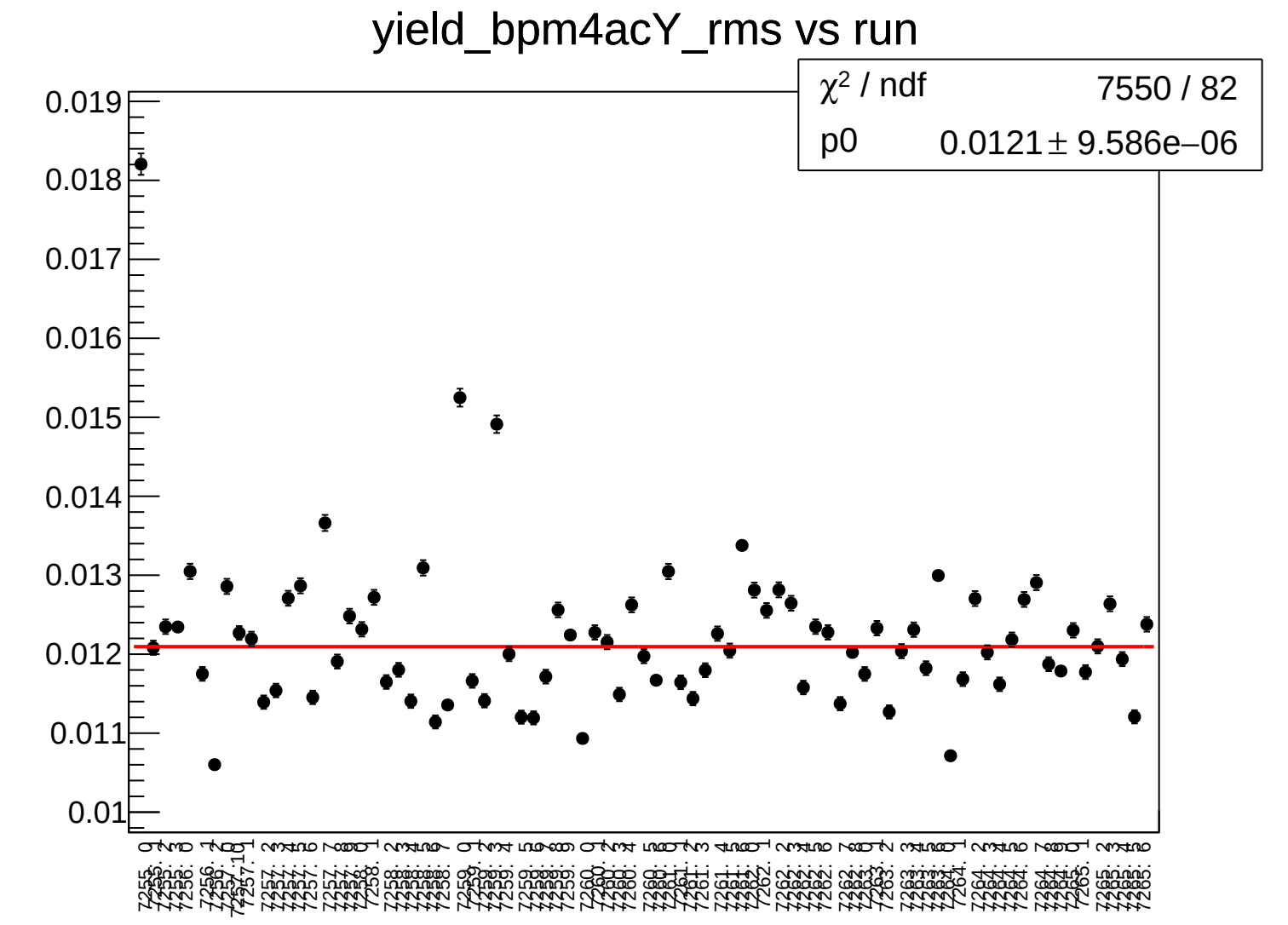

yield_bpm4acX_mean vs run
χ² / ndf 3.286e+05 / 82
p0 −0.8488 ± 2.172e−05
−0.8
−0.82
−0.84
−0.86
−0.88
pull
Entries 83
Mean 17.24
Std Dev 19.87
100
50
0
−50
−100

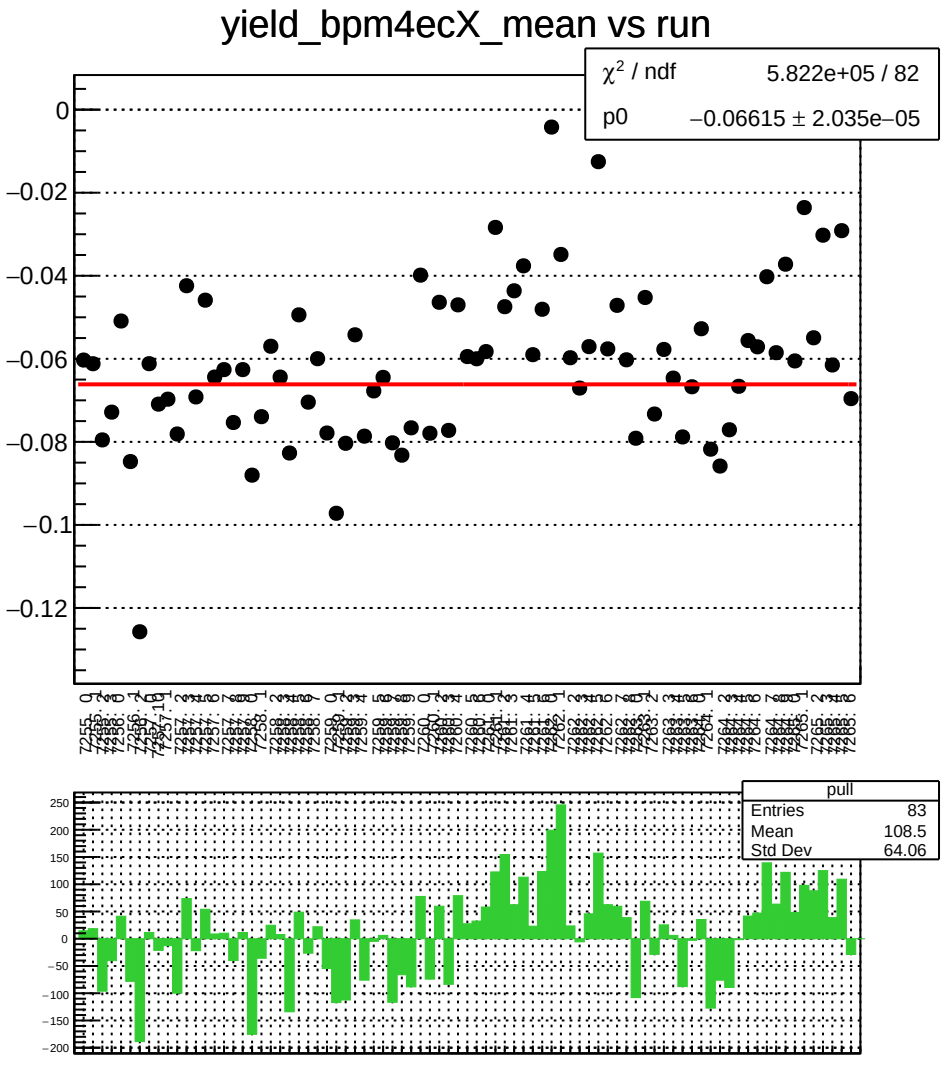

pull1D
Entries 83
Mean 0.6055
Std Dev 5.099
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

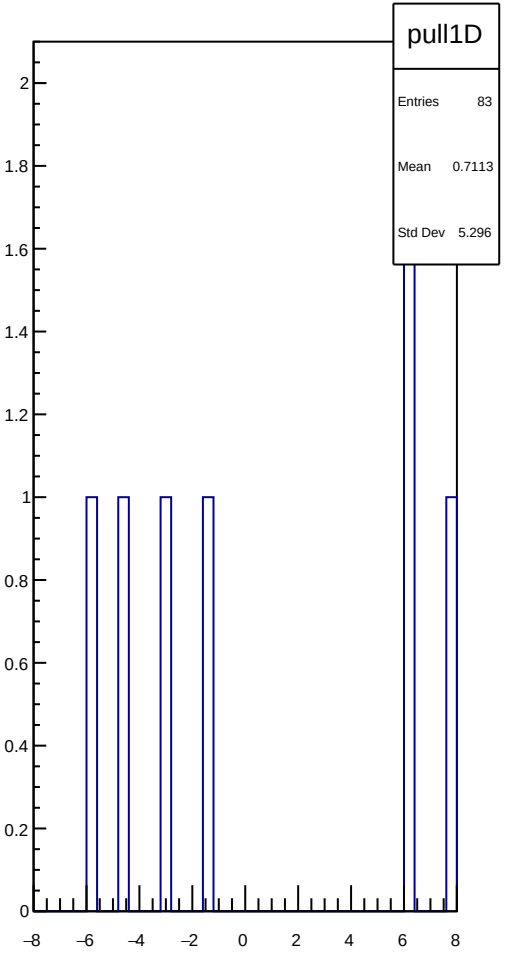

yield_bpm4acX_rms vs run
χ² / ndf 2.439e+05 / 82
p0 0.01788 ± 1.536e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

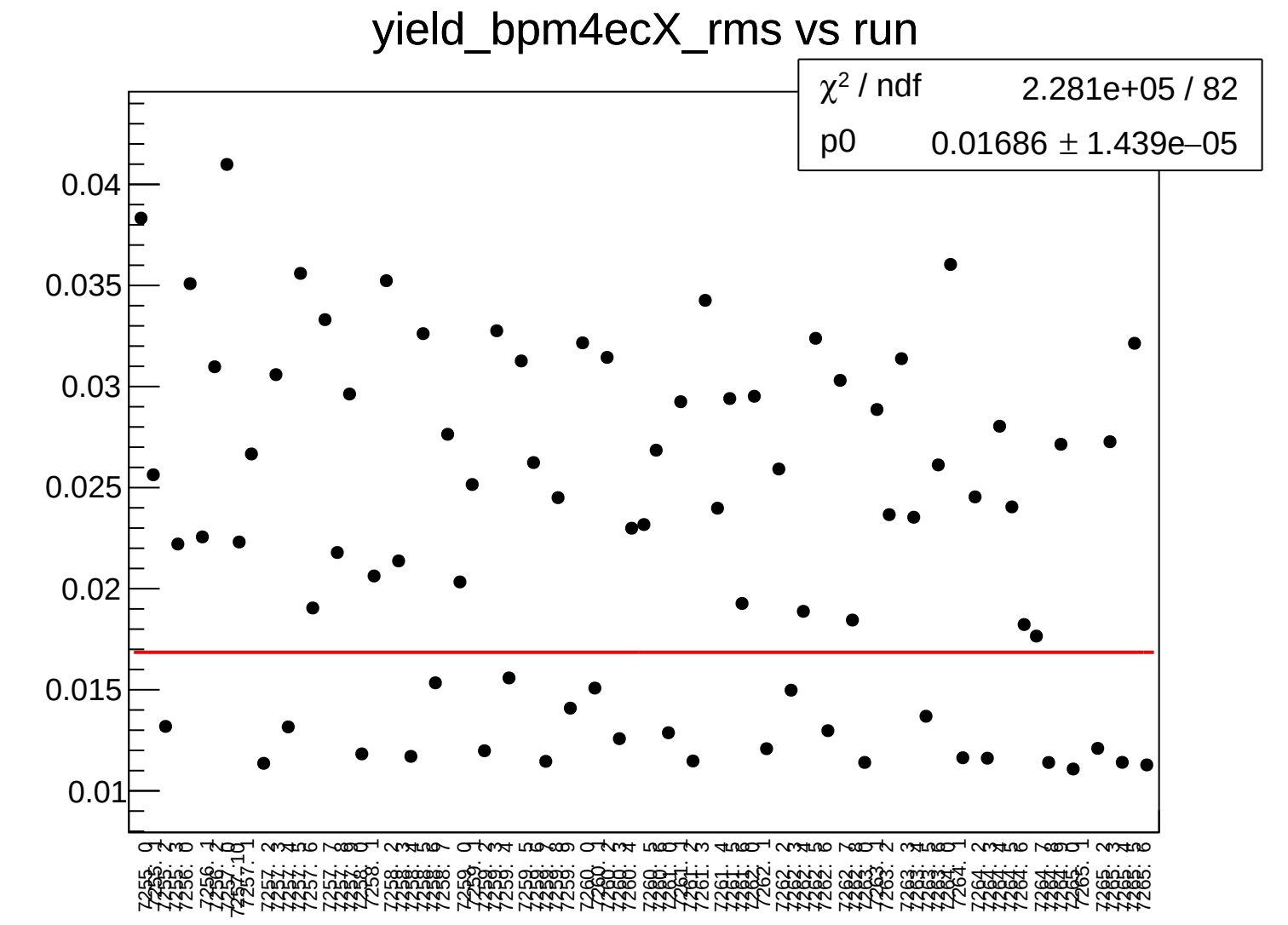

yield_bpm4acY_mean vs run
χ² / ndf 3.887e+05 / 82
p0 0.7282 ± 1.356e−05
0.75
0.745
0.74
0.735
0.73
0.725
0.72
0.715
0.71
pull
Entries 83
Mean −4349
Std Dev 4381
200
150
100
50
0
−50
−100

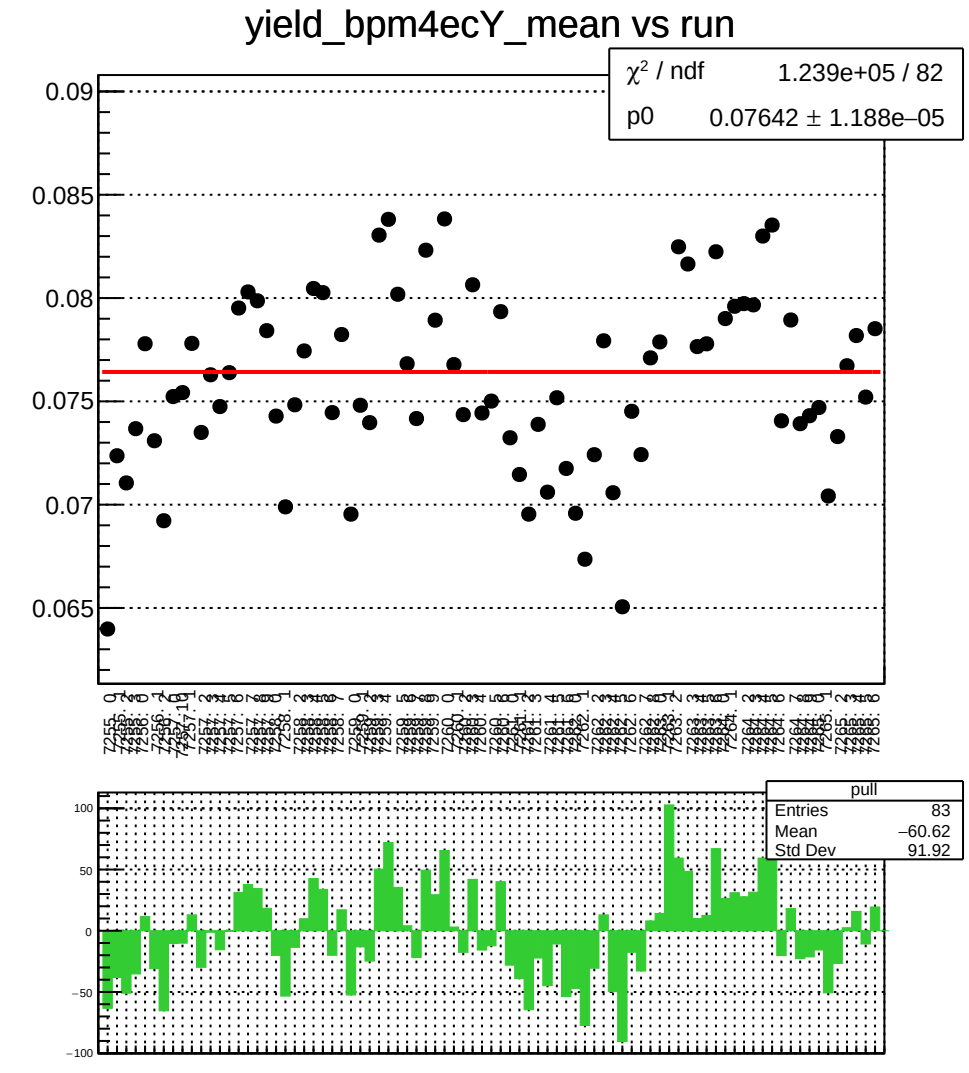

pull1D
Entries 83
Mean 0.2023
Std Dev 5.187
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

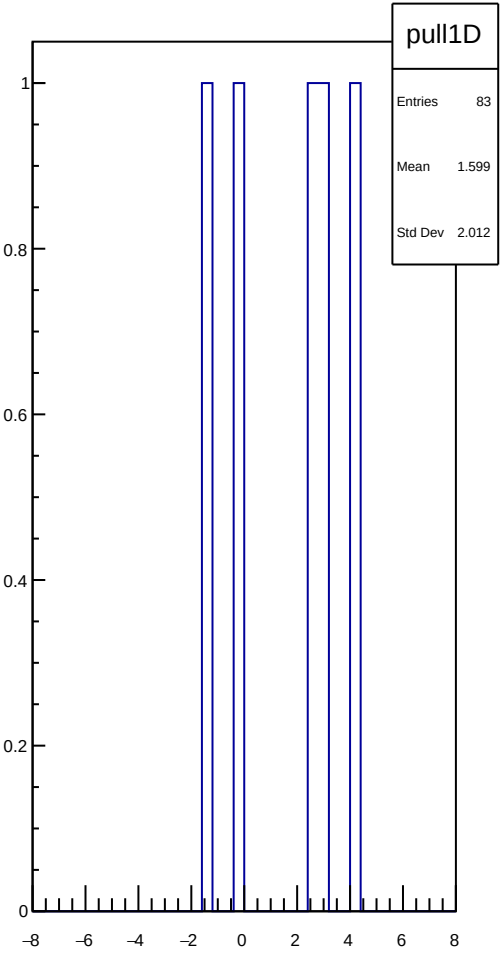

yield_bpm4acY_rms vs run
χ² / ndf 7550 / 82
p0 0.0121 ± 9.586e−06
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01

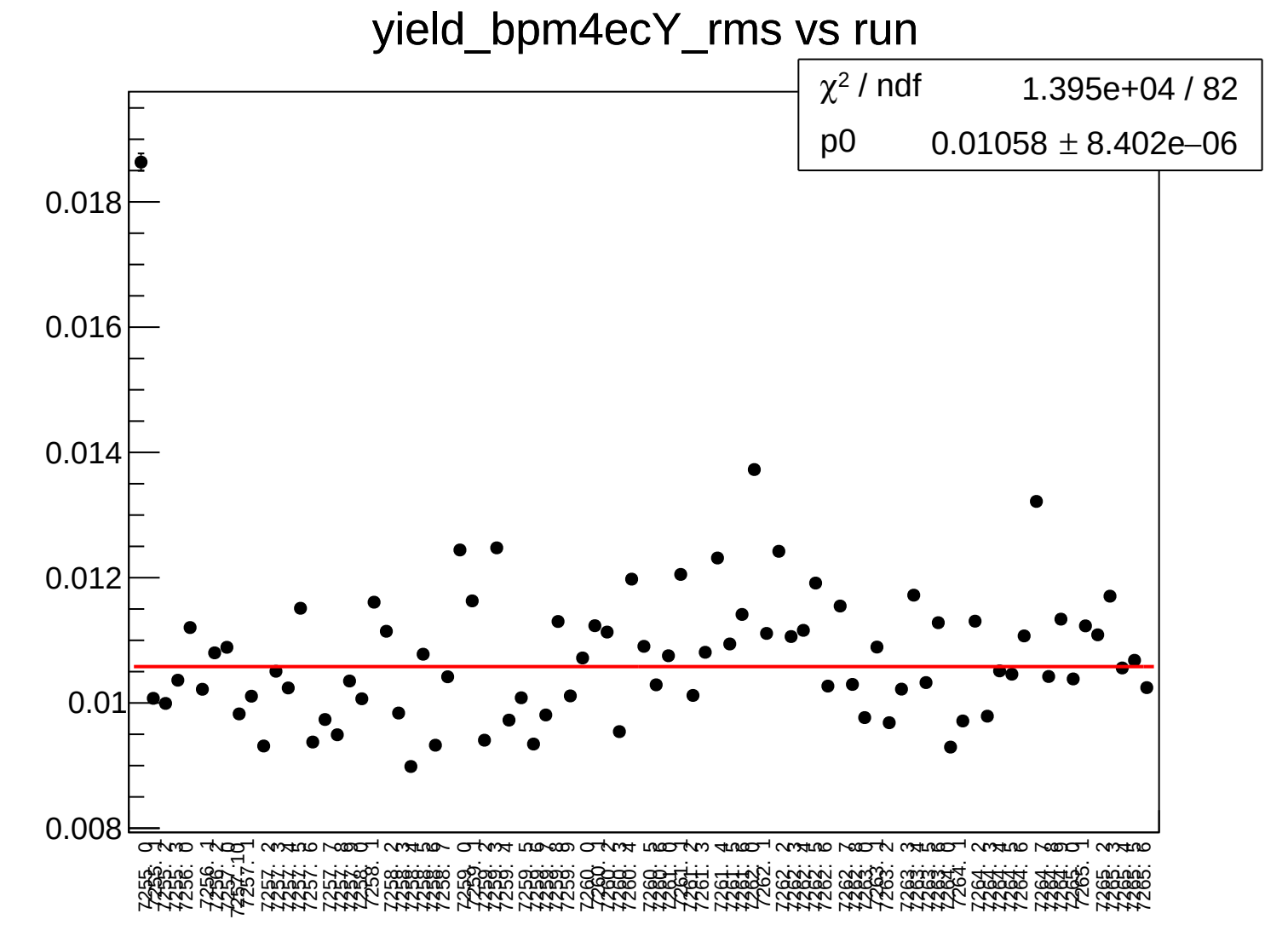

yield_bpm4ecX_mean vs run
χ² / ndf 5.822e+05 / 82
p0 −0.06615 ± 2.035e−05
pull
Entries 83
Mean 108.5
Std Dev 64.06

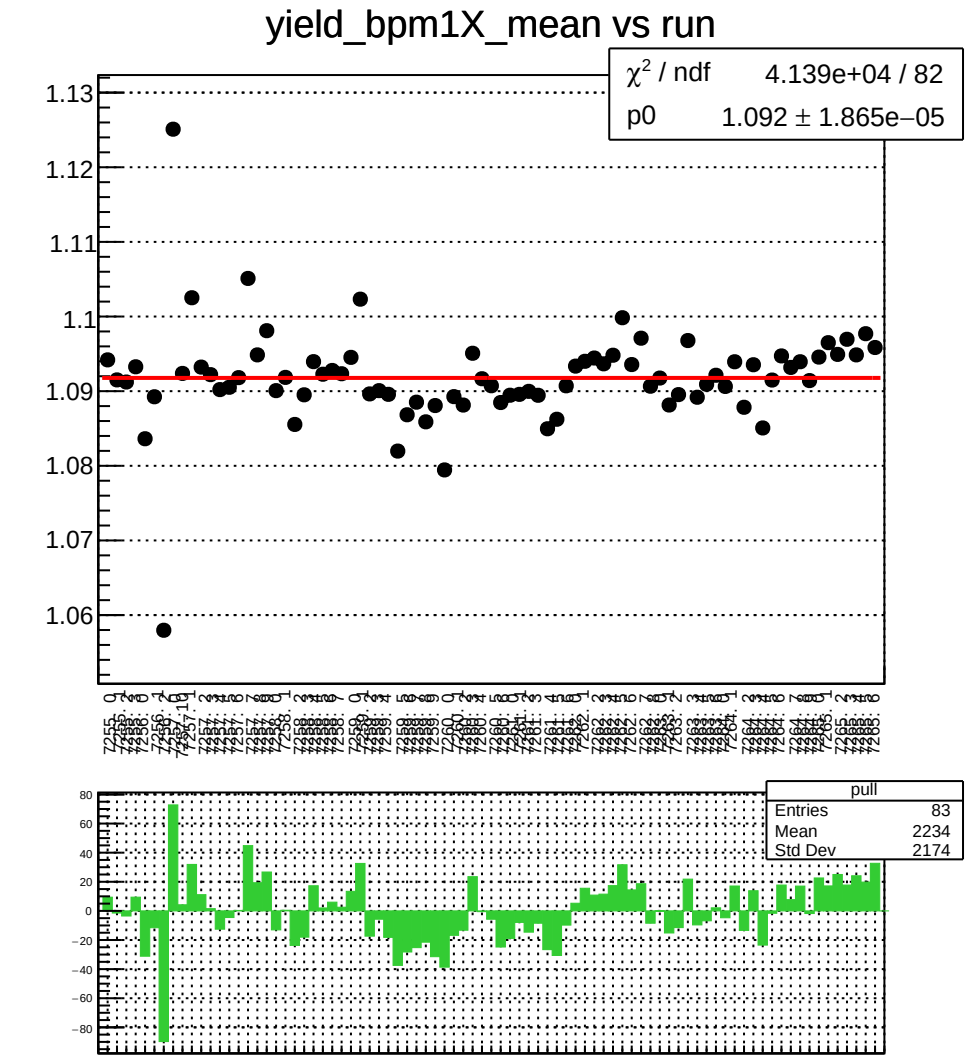

pull1D
Entries 83
Mean 0.7113
Std Dev 5.296

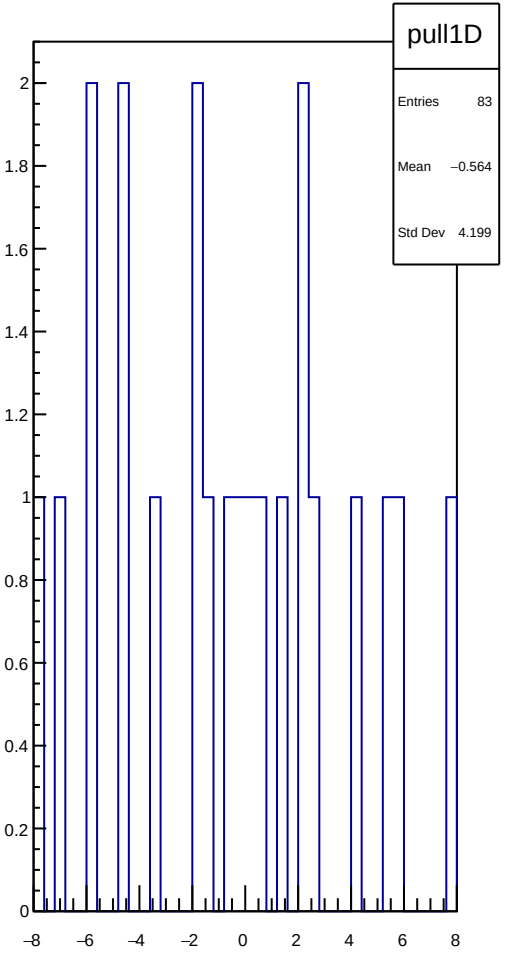

yield_bpm4ecX_rms vs run
χ² / ndf 2.281e+05 / 82
p0 0.01686 ± 1.439e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

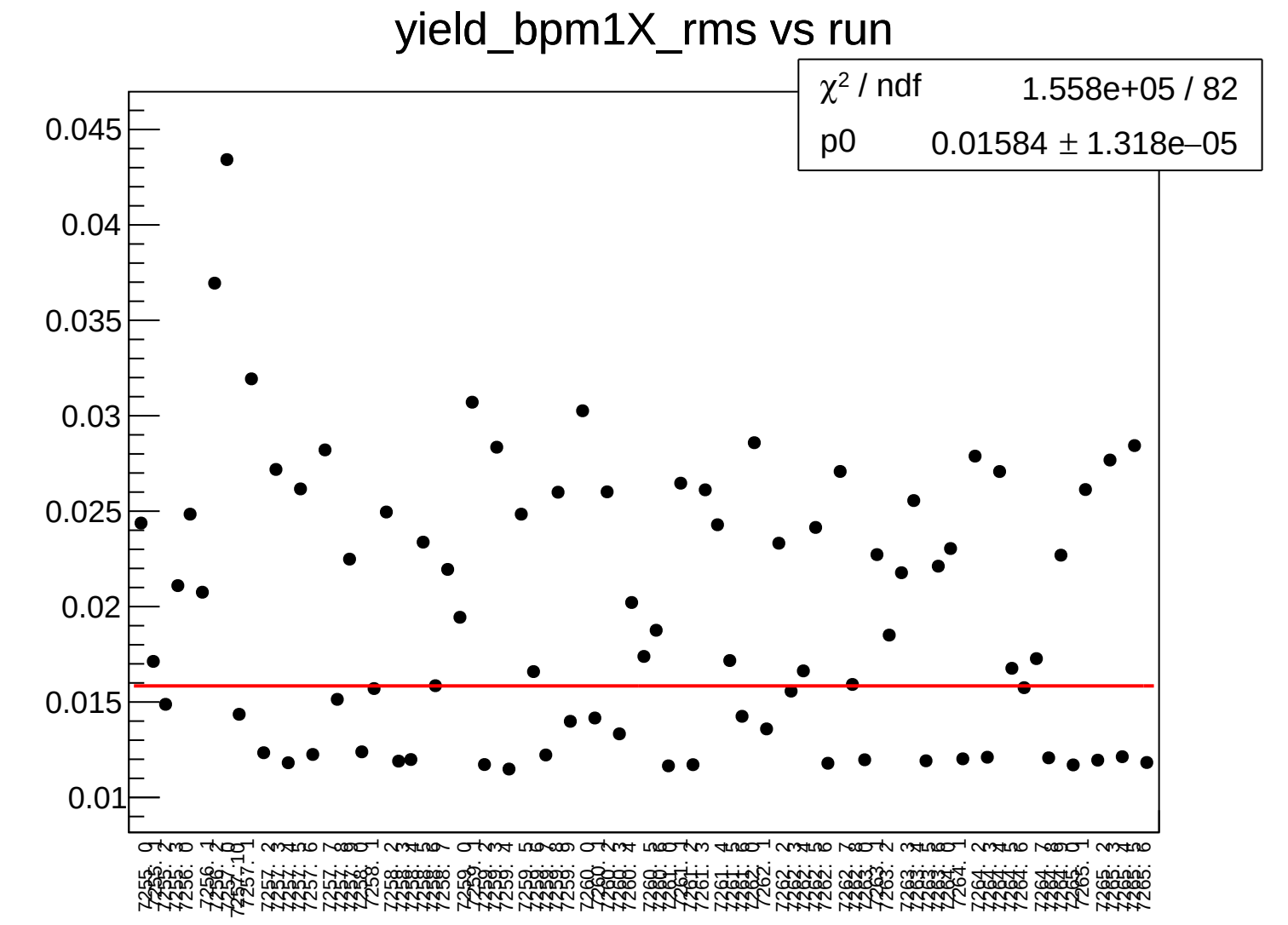

yield_bpm4ecY_mean vs run
χ² / ndf 1.239e+05 / 82
p0 0.07642 ± 1.188e−05
0.09
0.085
0.08
0.075
0.07
0.065
pull
Entries 83
Mean −60.62
Std Dev 91.92
100
50
0
−50
−100

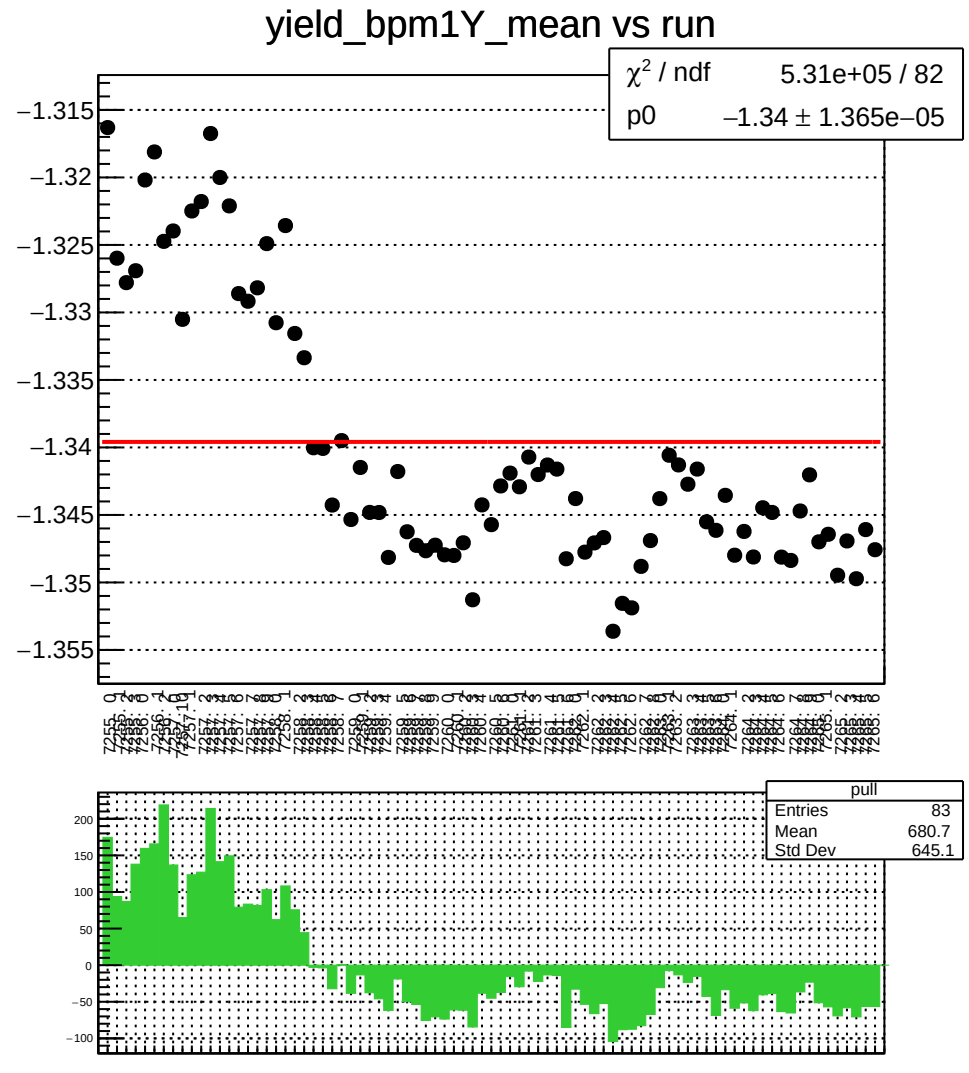

pull1D
Entries 83
Mean 1.599
Std Dev 2.012
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

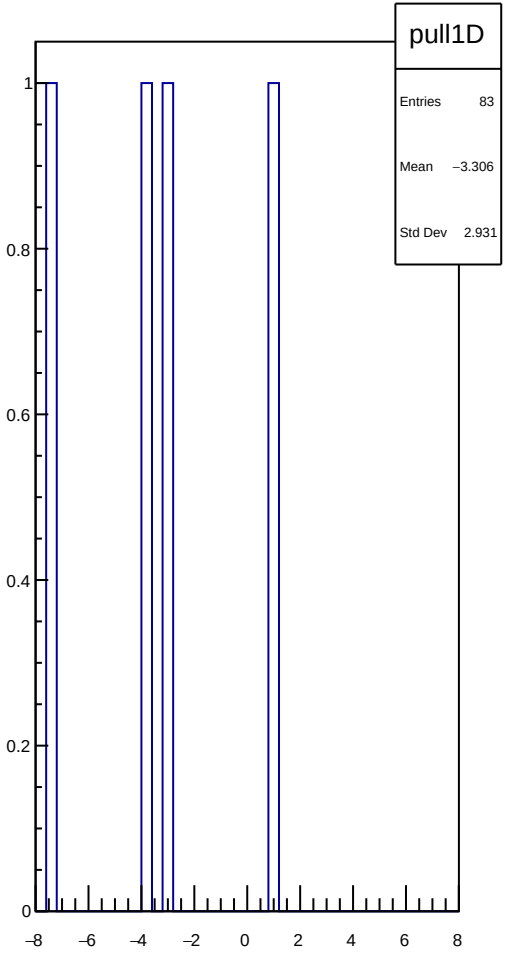

yield_bpm4ecY_rms vs run
χ² / ndf 1.395e+04 / 82
p0 0.01058 ± 8.402e–06
0.018
0.016
0.014
0.012
0.01
0.008

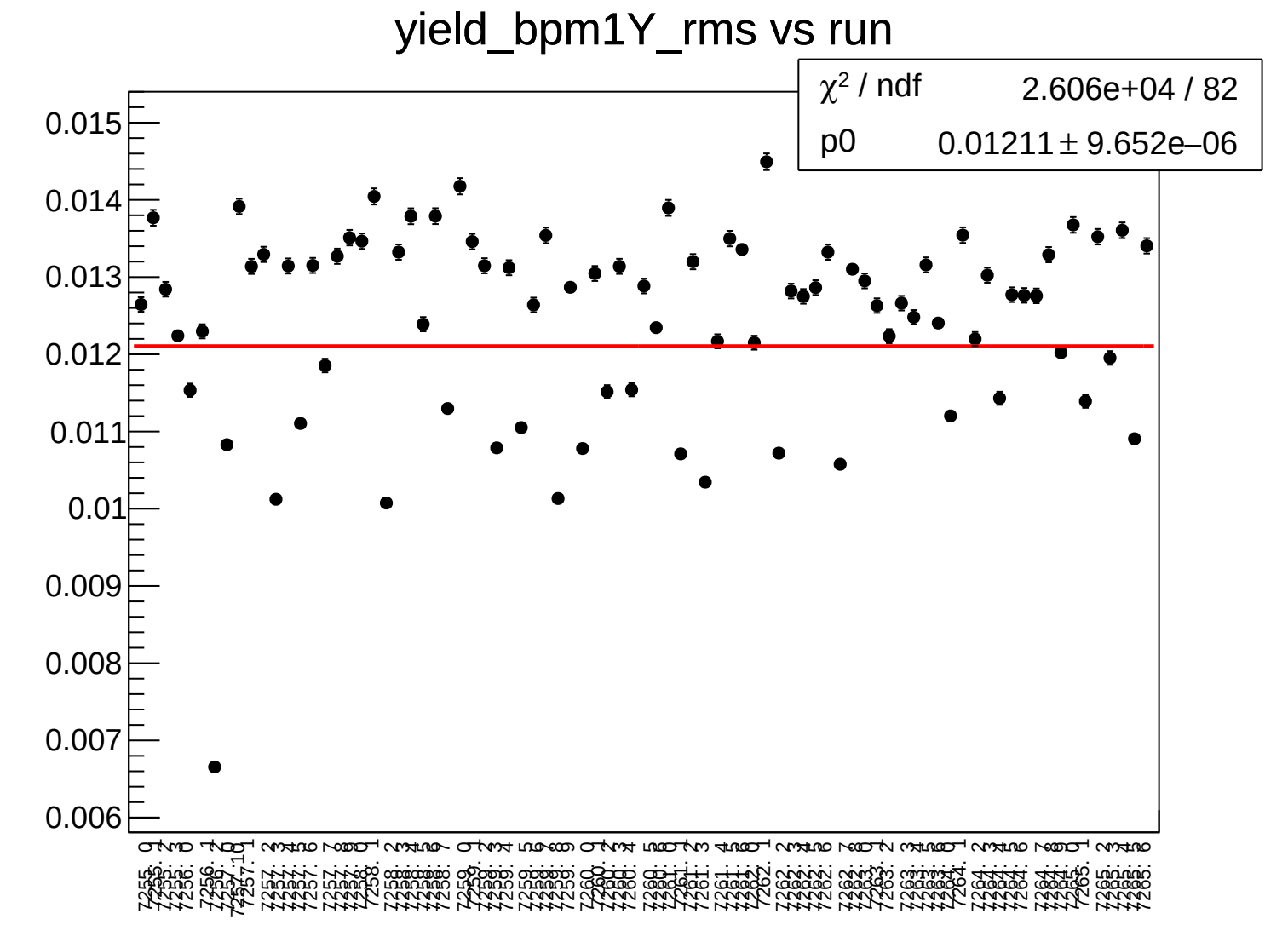

yield_bpm1X_mean vs run
χ² / ndf 4.139e+04 / 82
p0 1.092 ± 1.865e−05
1.13
1.12
1.11
1.1
1.09
1.08
1.07
1.06
pull
Entries 83
Mean 2234
Std Dev 2174
80
60
40
20
0
−20
−40
−60
−80

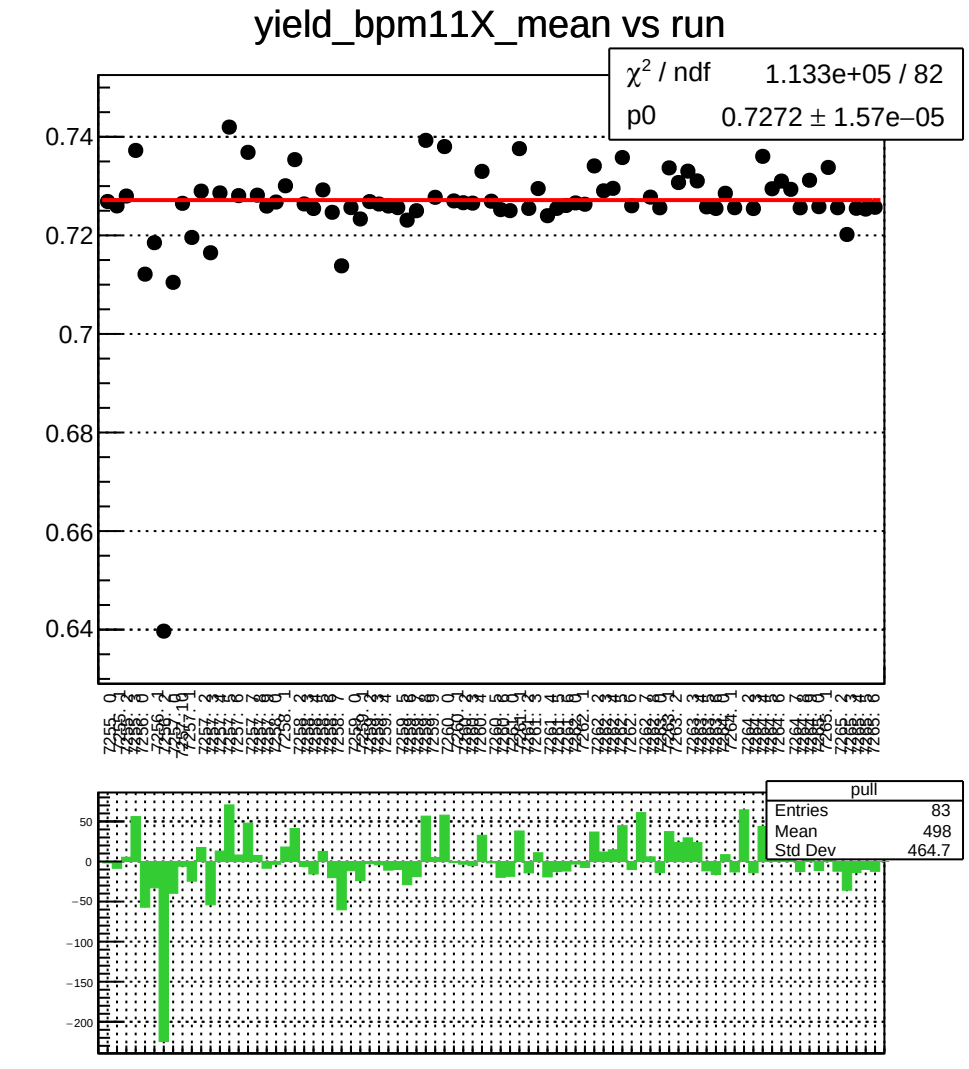

pull1D
Entries 83
Mean −0.564
Std Dev 4.199
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

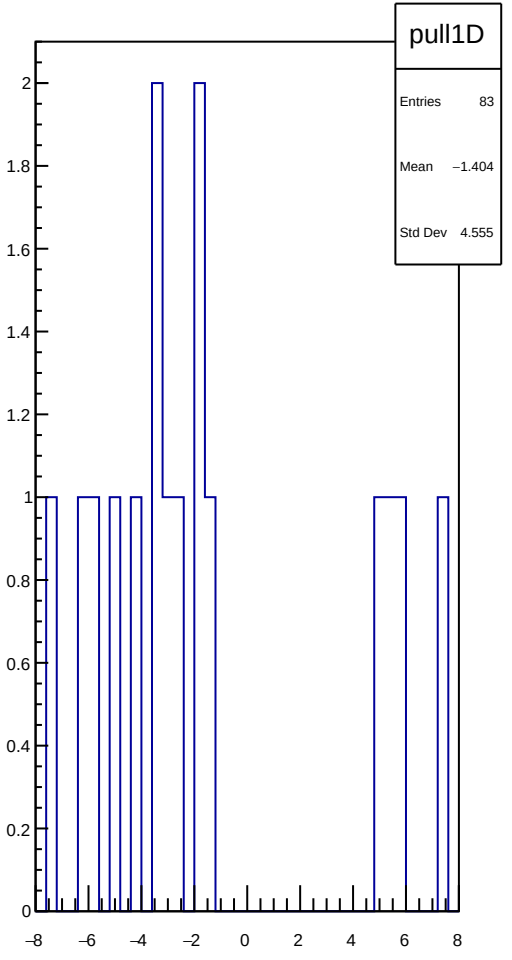

yield_bpm1X_rms vs run
χ² / ndf 1.558e+05 / 82
p0 0.01584 ± 1.318e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

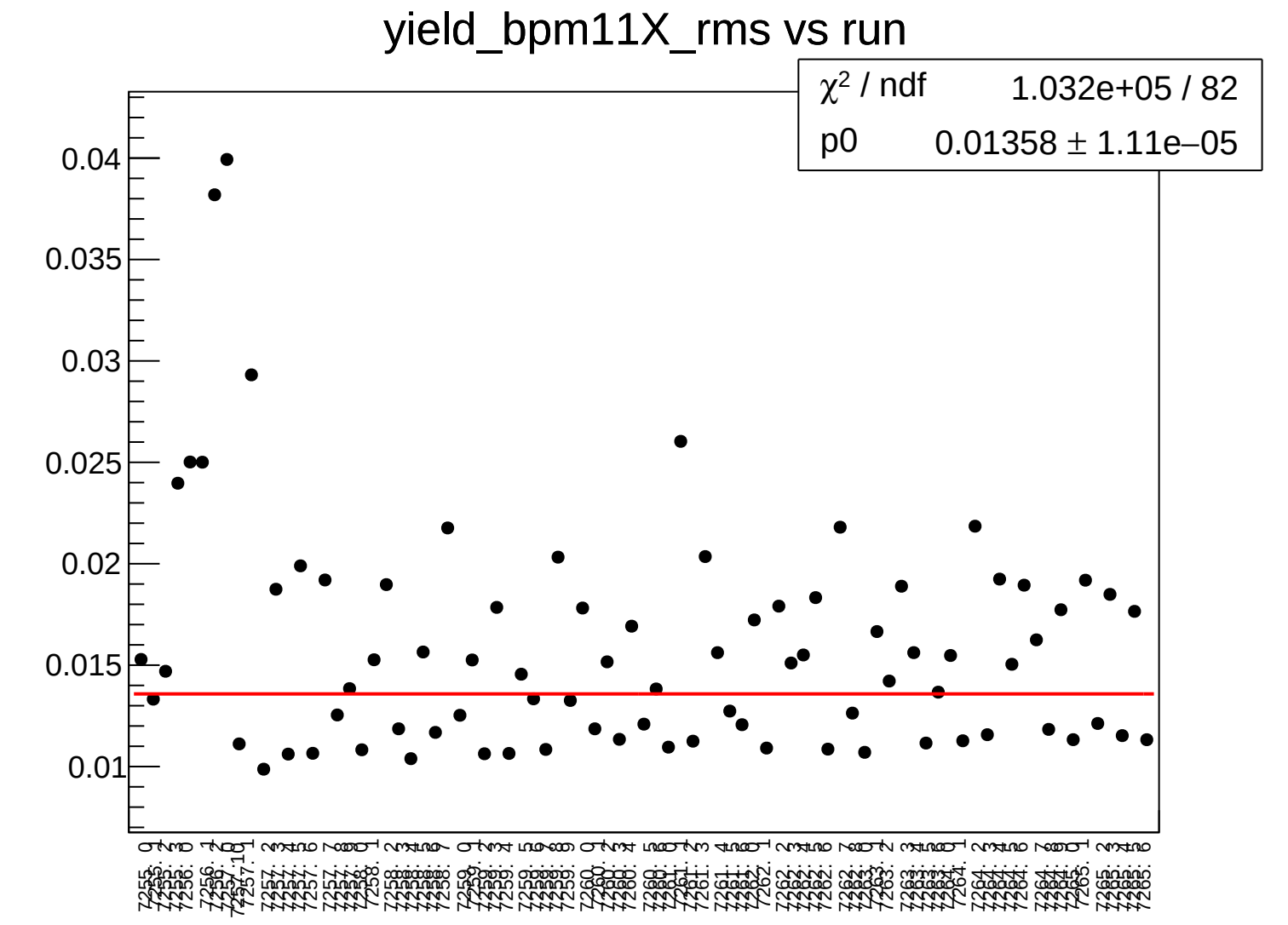

yield_bpm1Y_mean vs run
χ² / ndf 5.31e+05 / 82
p0 −1.34 ± 1.365e−05
−1.315
−1.32
−1.325
−1.33
−1.335
−1.34
−1.345
−1.35
−1.355
pull
Entries 83
Mean 680.7
Std Dev 645.1
200
150
100
50
0
−50
−100

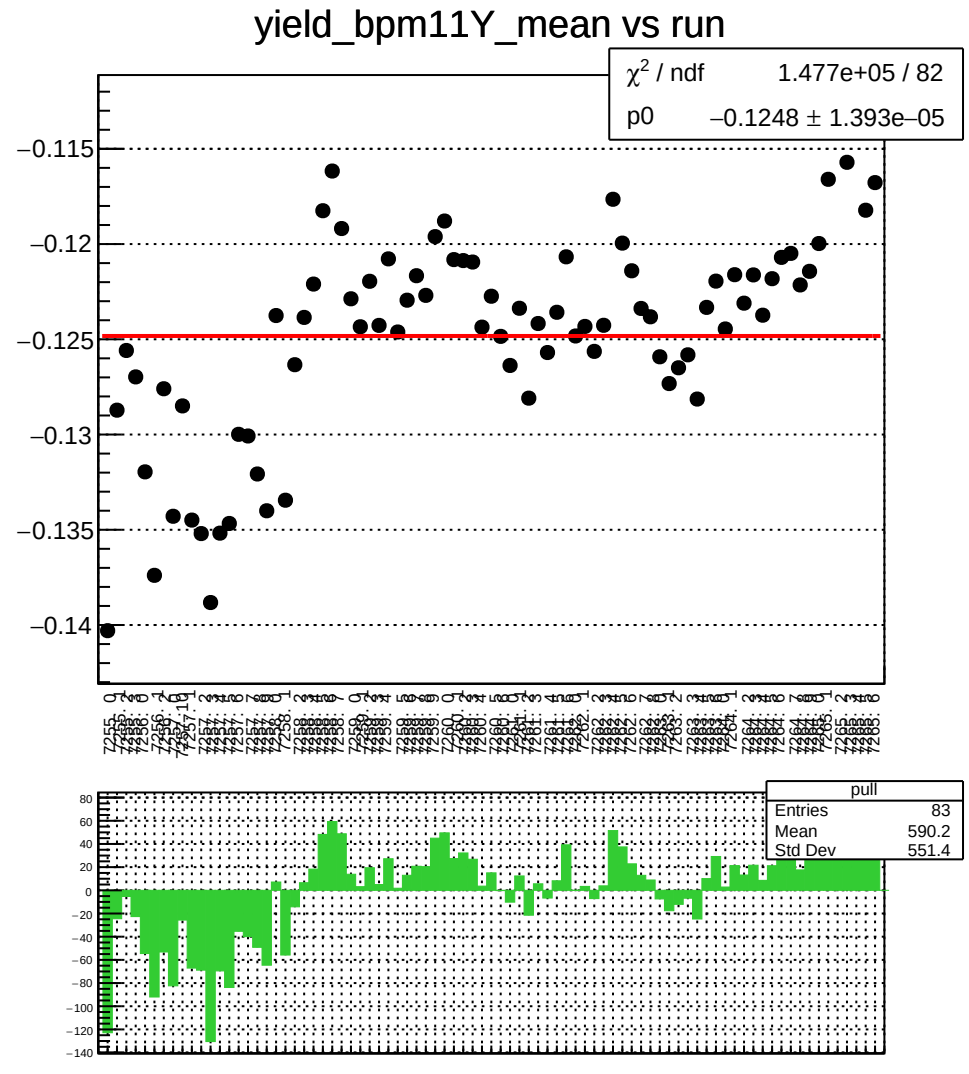

pull1D
Entries 83
Mean −3.306
Std Dev 2.931
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

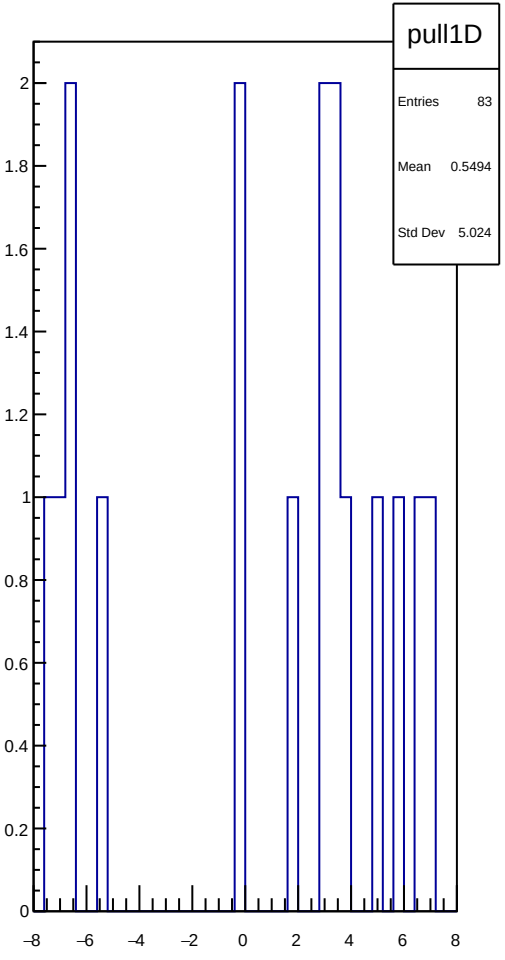

yield_bpm1Y_rms vs run
χ² / ndf 2.606e+04 / 82
p0 0.01211 ± 9.652e–06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

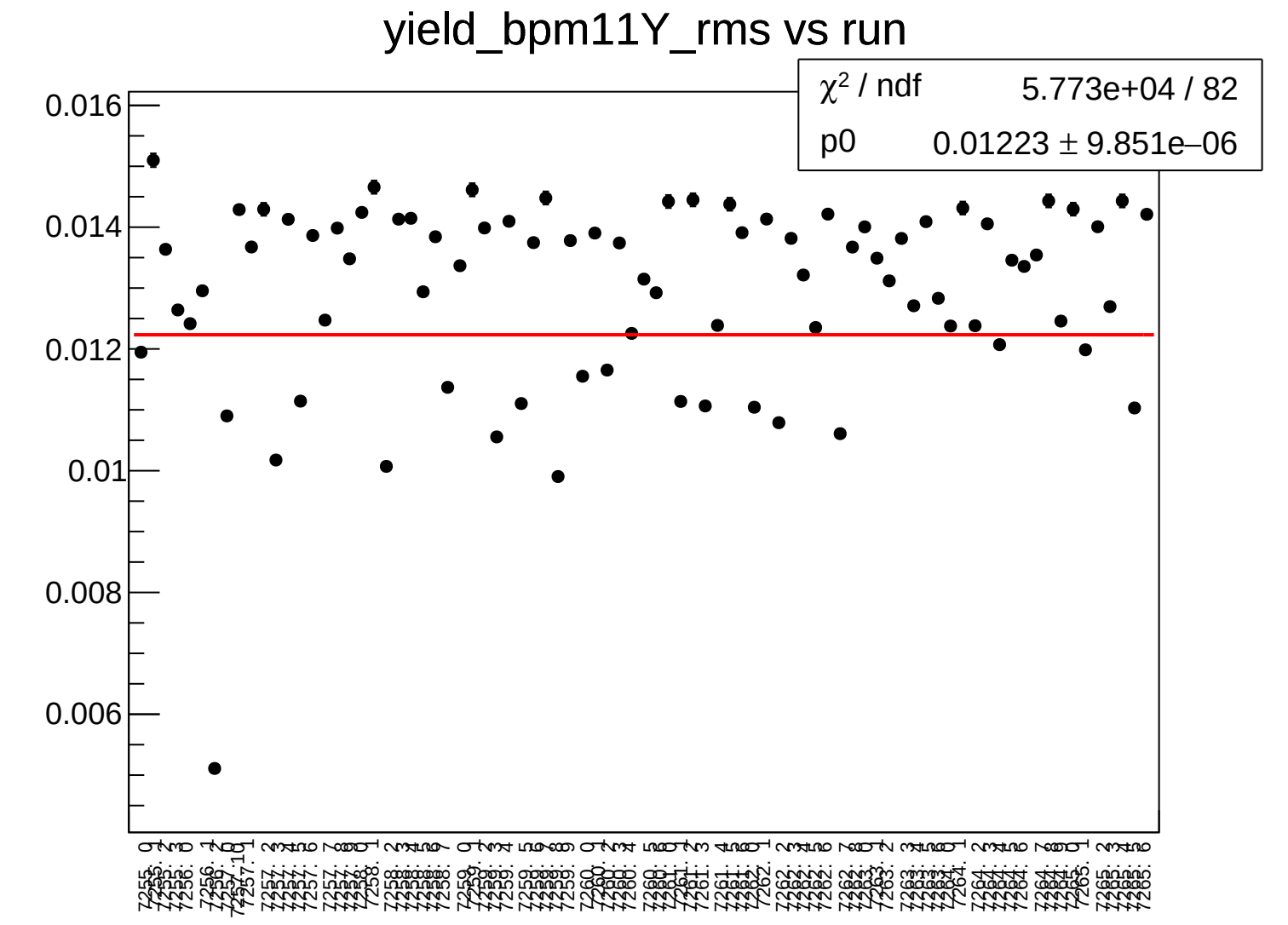

yield_bpm11X_mean vs run
χ² / ndf 1.133e+05 / 82
p0 0.7272 ± 1.57e−05
0.74
0.72
0.7
0.68
0.66
0.64
pull
Entries 83
Mean 498
Std Dev 464.7
50
0
−50
−100
−150
−200

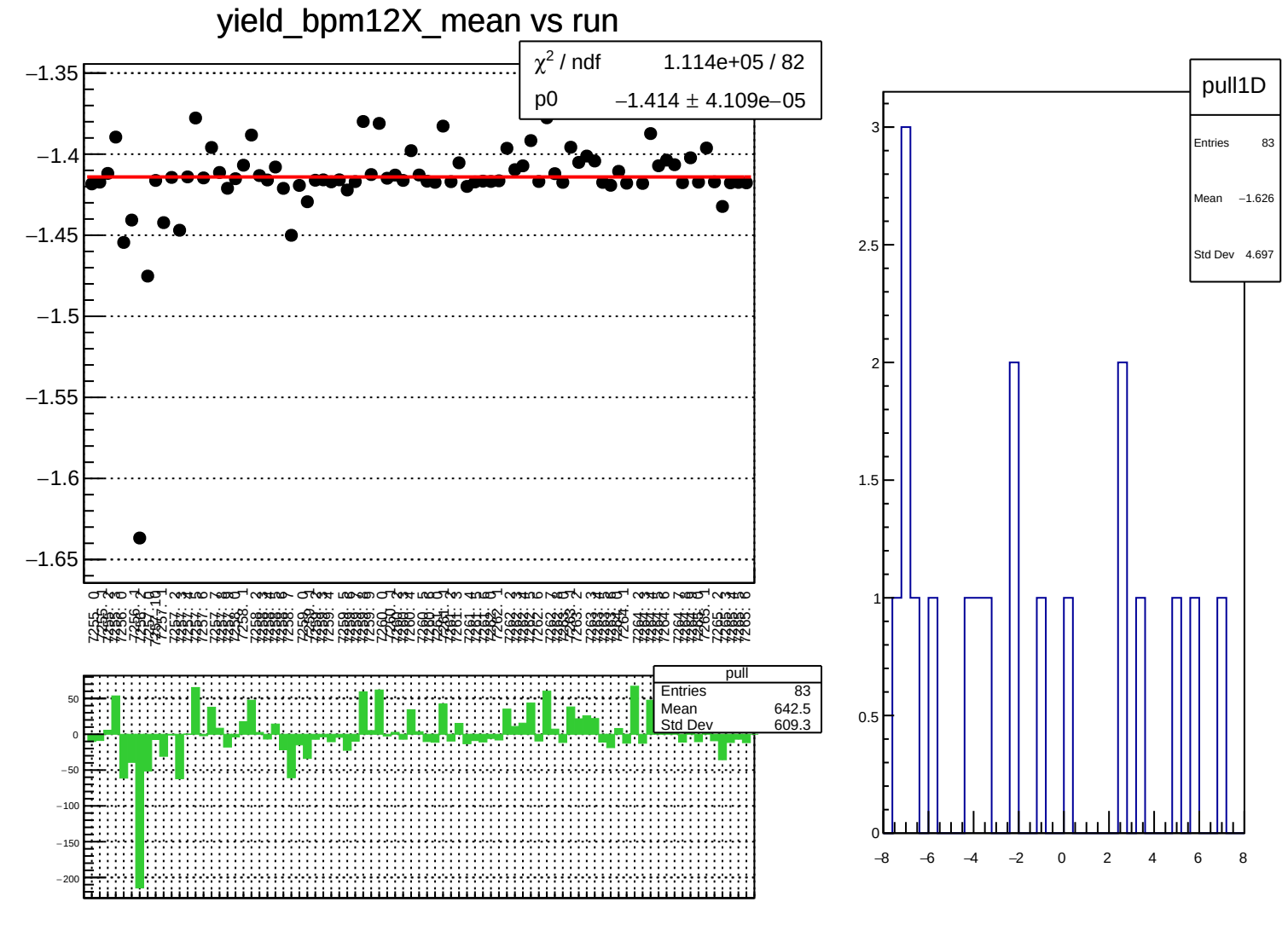

pull1D
Entries 83
Mean −1.404
Std Dev 4.555
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

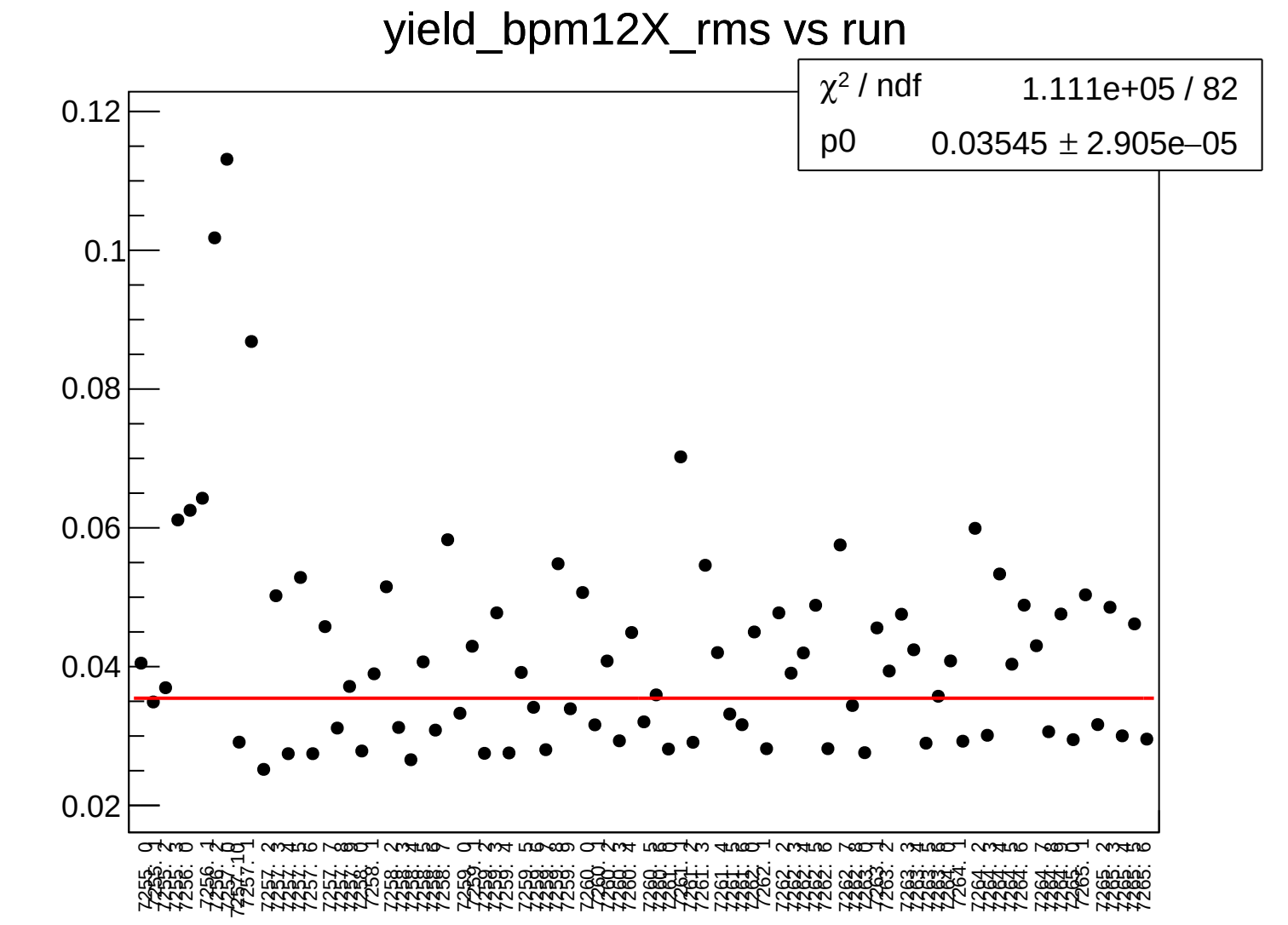

yield_bpm11X_rms vs run
χ² / ndf 1.032e+05 / 82
p0 0.01358 ± 1.11e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

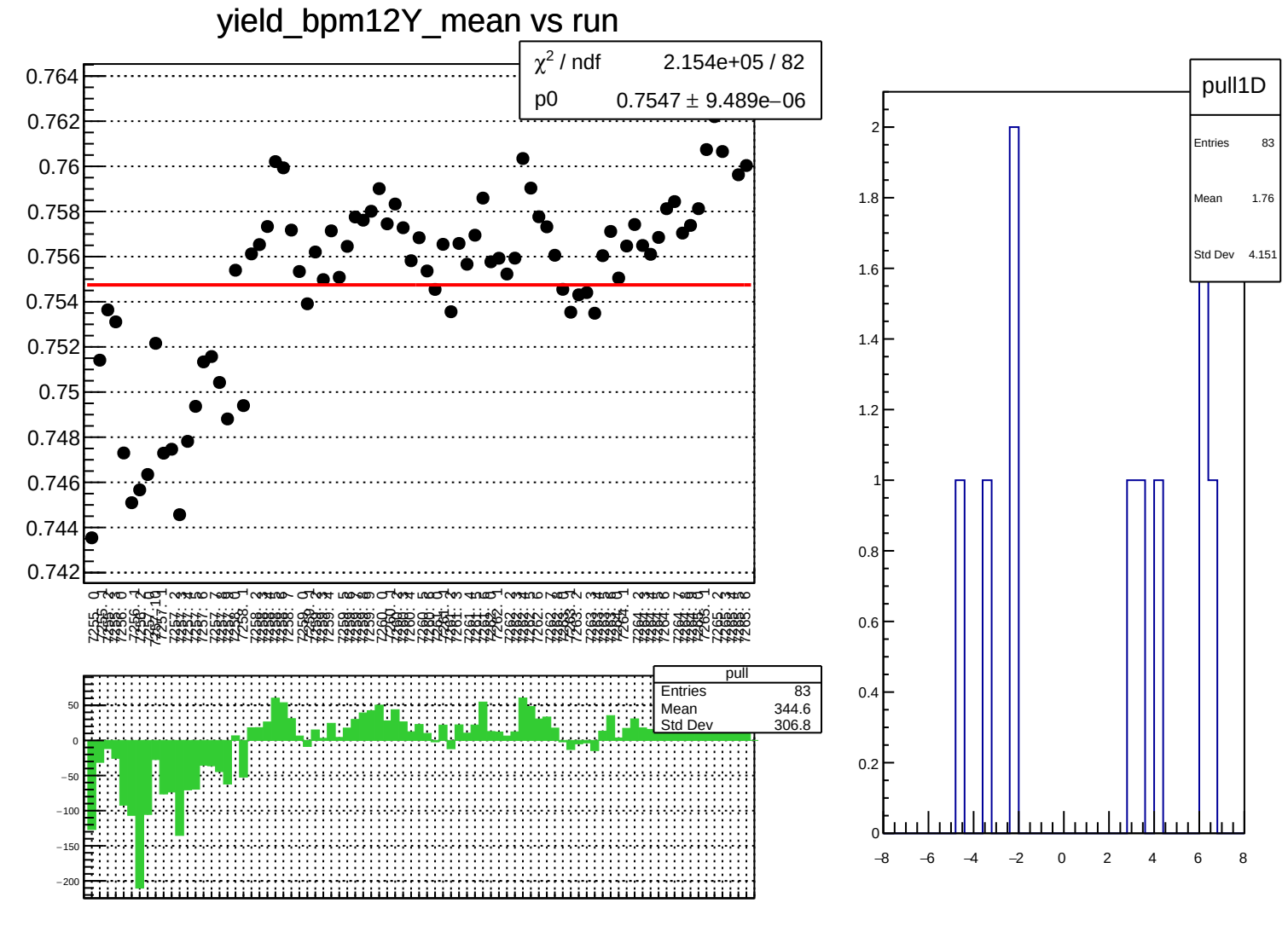

yield_bpm11Y_mean vs run
χ² / ndf 1.477e+05 / 82
p0 −0.1248 ± 1.393e−05
−0.115
−0.12
−0.125
−0.13
−0.135
−0.14
pull
Entries 83
Mean 590.2
Std Dev 551.4
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

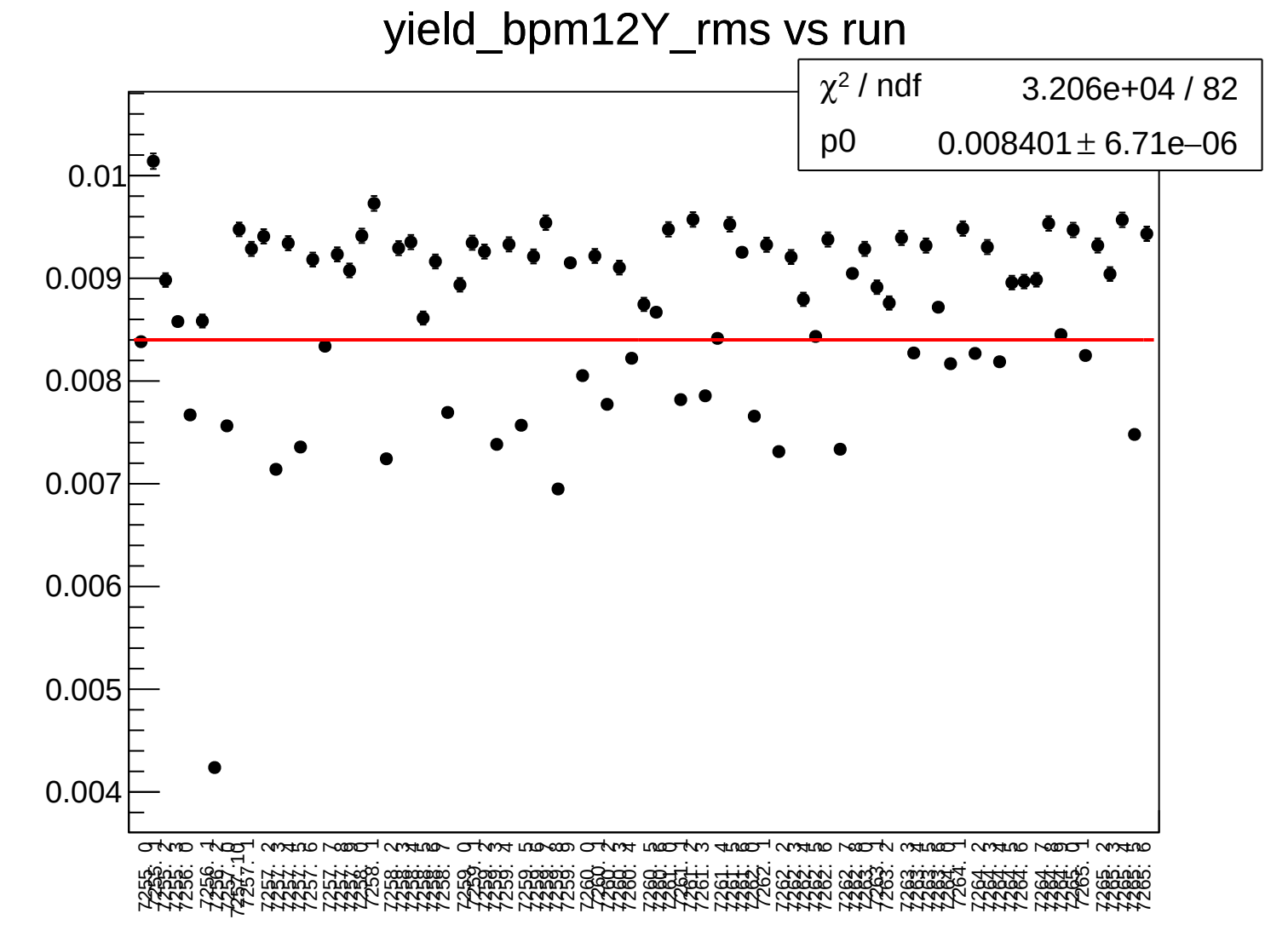

pull1D
Entries 83
Mean 0.5494
Std Dev 5.024
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

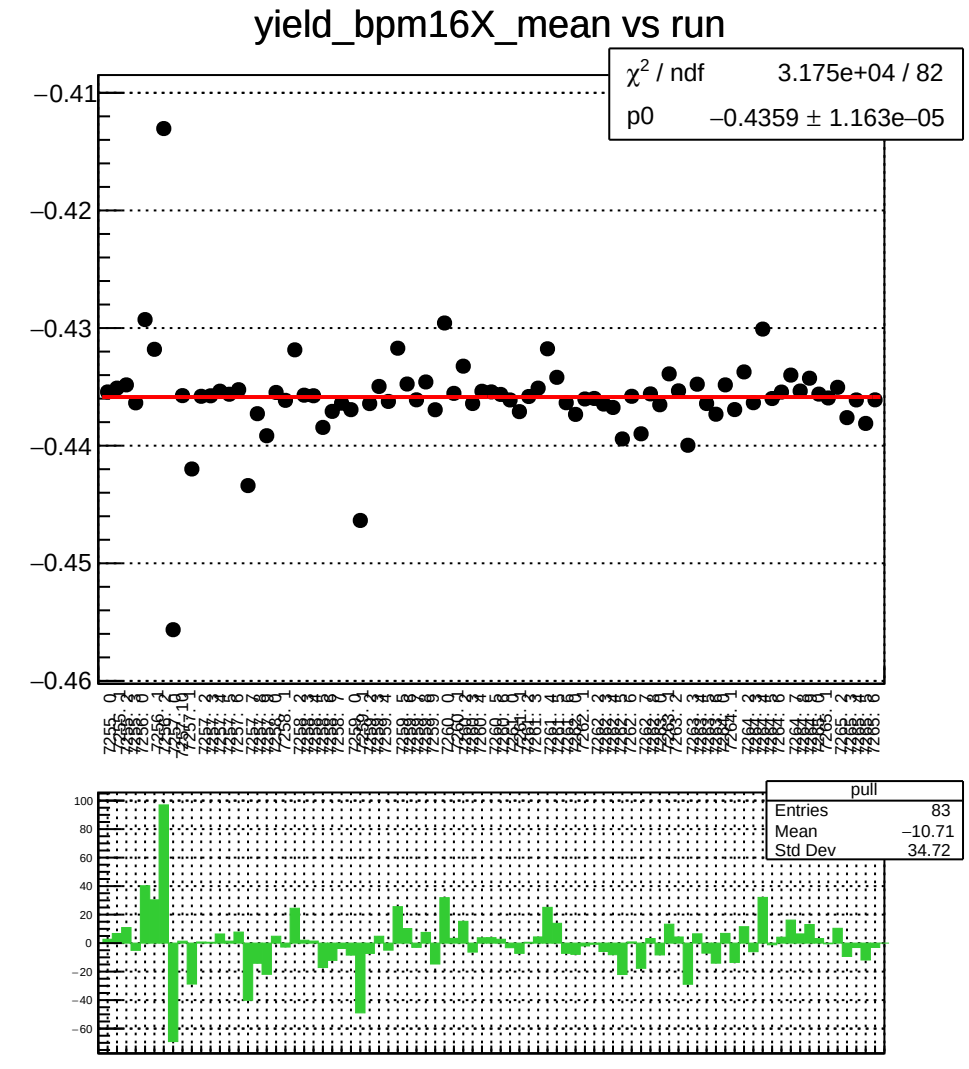

yield_bpm11Y_rms vs run
χ² / ndf 5.773e+04 / 82
p0 0.01223 ± 9.851e–06
0.016
0.014
0.012
0.01
0.008
0.006

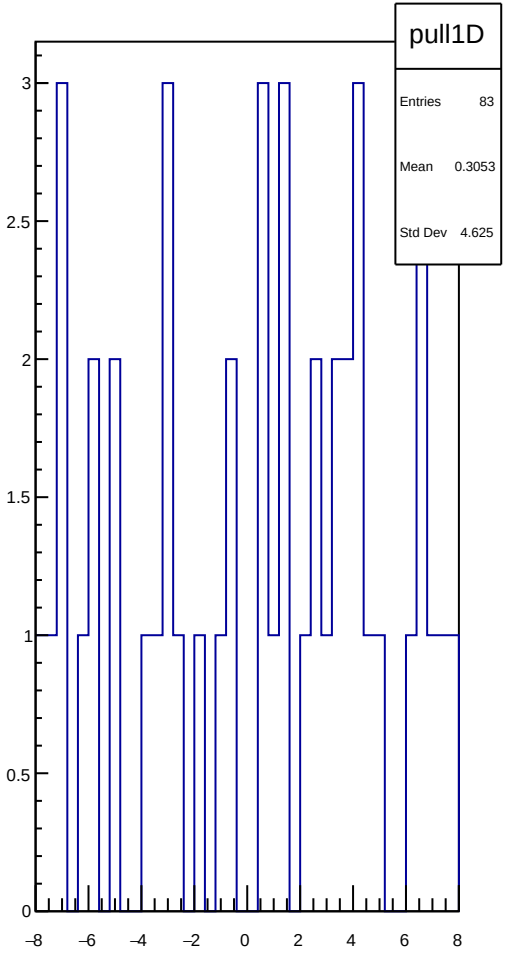

yield_bpm12X_mean vs run
χ² / ndf 1.114e+05 / 82
p0 −1.414 ± 4.109e−05
−1.35
−1.4
−1.45
−1.5
−1.55
−1.6
−1.65
pull
Entries 83
Mean 642.5
Std Dev 609.3
50
0
−50
−100
−150
−200
pull1D
Entries 83
Mean −1.626
Std Dev 4.697
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

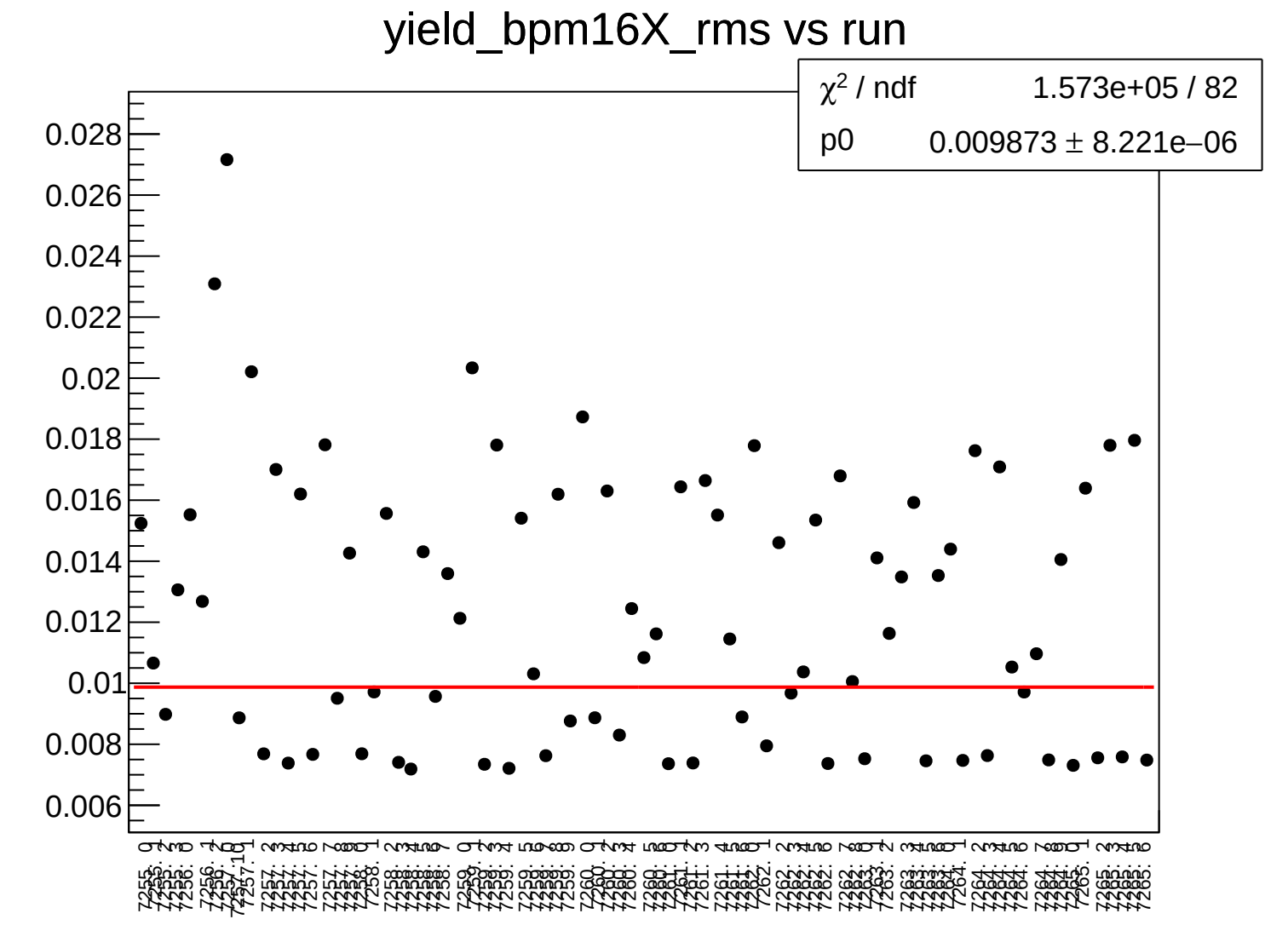

yield_bpm12X_rms vs run
χ² / ndf 1.111e+05 / 82
p0 0.03545 ± 2.905e−05
0.12
0.1
0.08
0.06
0.04
0.02

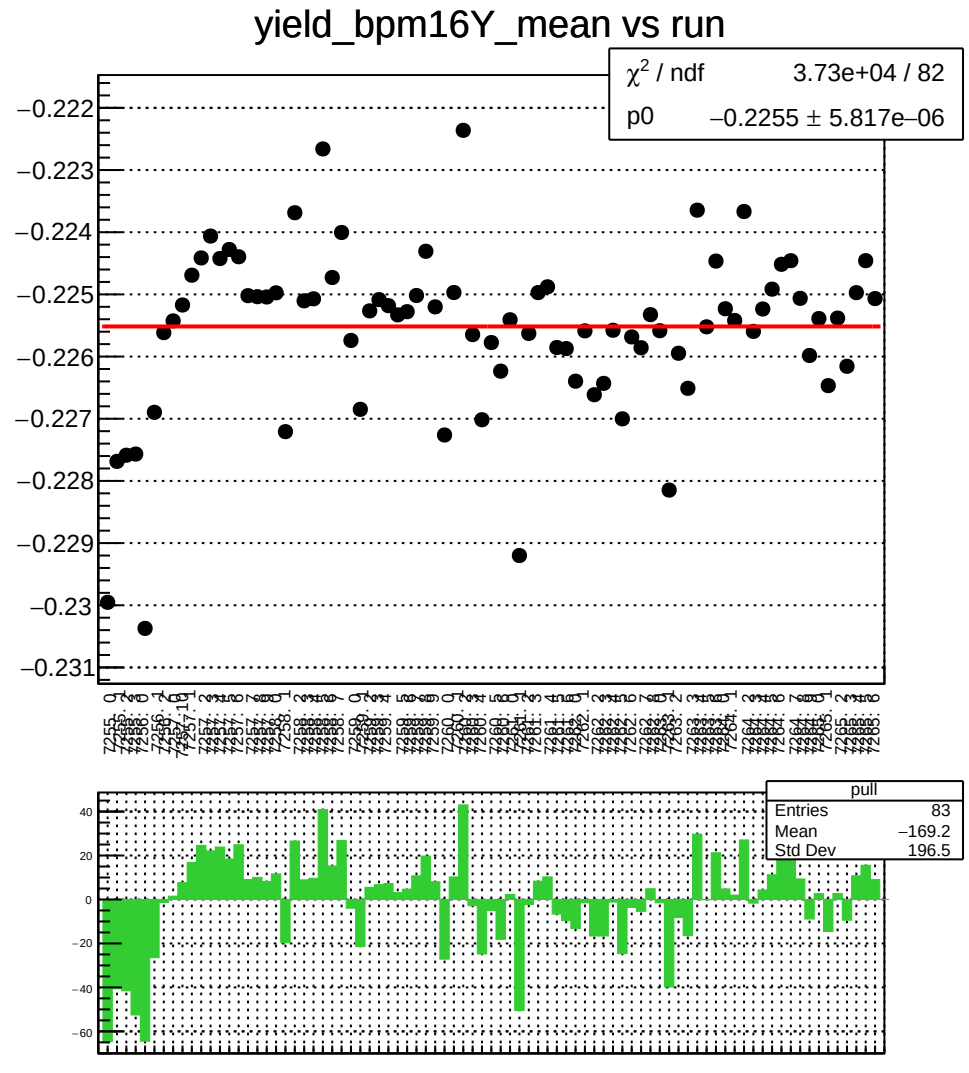

yield_bpm12Y_mean vs run
χ² / ndf 2.154e+05 / 82
p0 0.7547 ± 9.489e−06
pull
Entries 83
Mean 344.6
Std Dev 306.8
pull1D
Entries 83
Mean 1.76
Std Dev 4.151

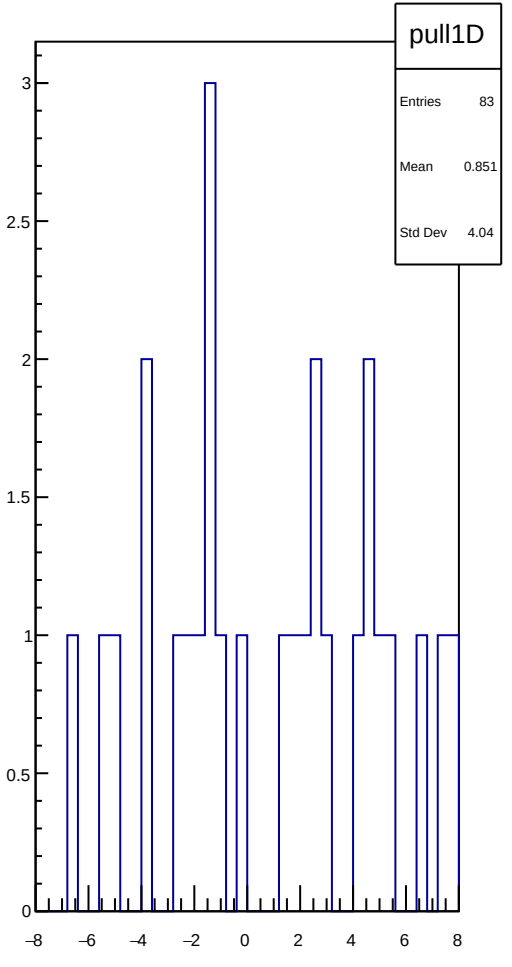

yield_bpm12Y_rms vs run
χ² / ndf 3.206e+04 / 82
p0 0.008401 ± 6.71e–06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

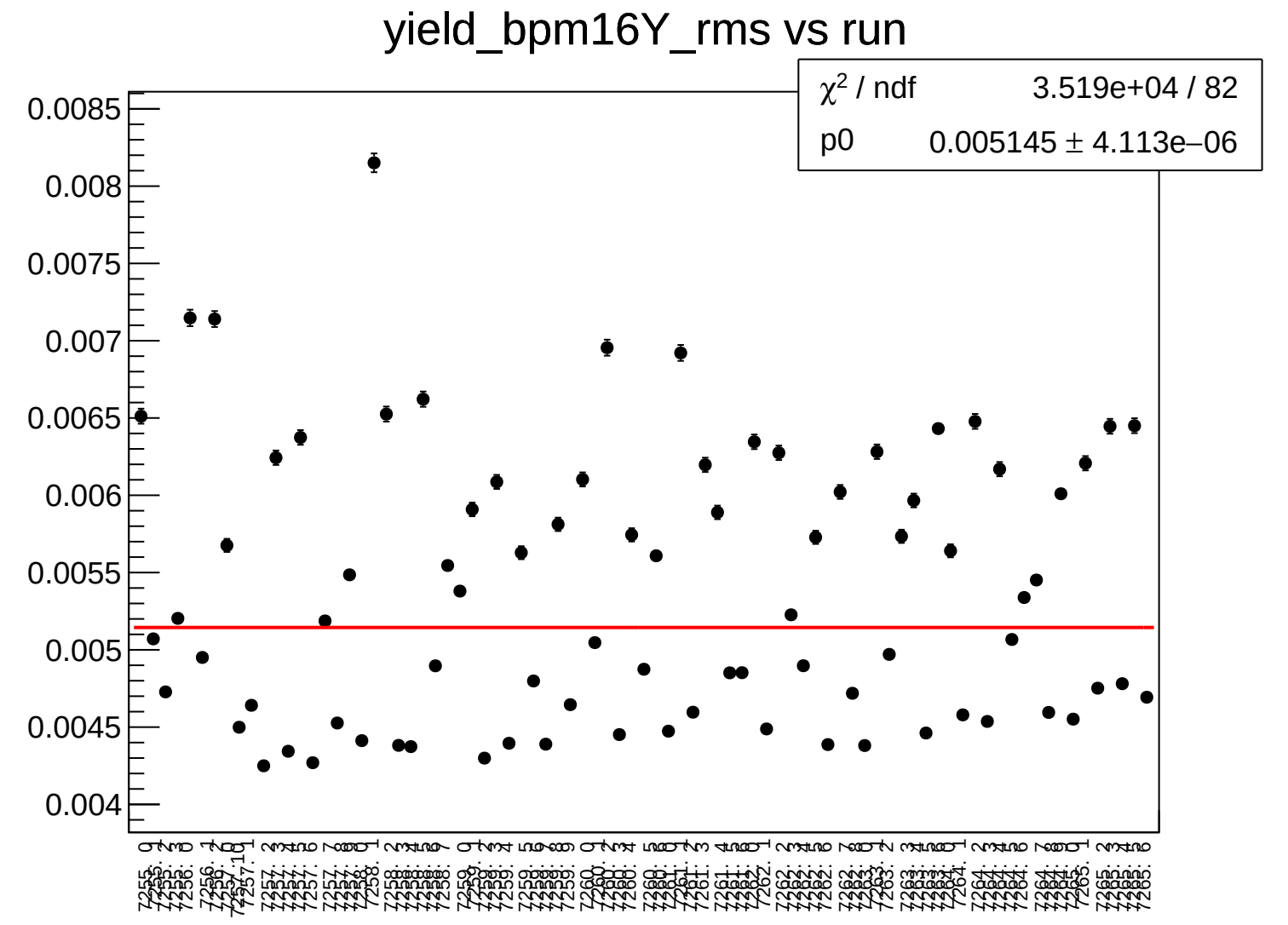

yield_bpm16X_mean vs run
χ² / ndf 3.175e+04 / 82
p0 −0.4359 ± 1.163e−05
−0.41
−0.42
−0.43
−0.44
−0.45
−0.46
pull
Entries 83
Mean −10.71
Std Dev 34.72
100
80
60
40
20
0
−20
−40
−60

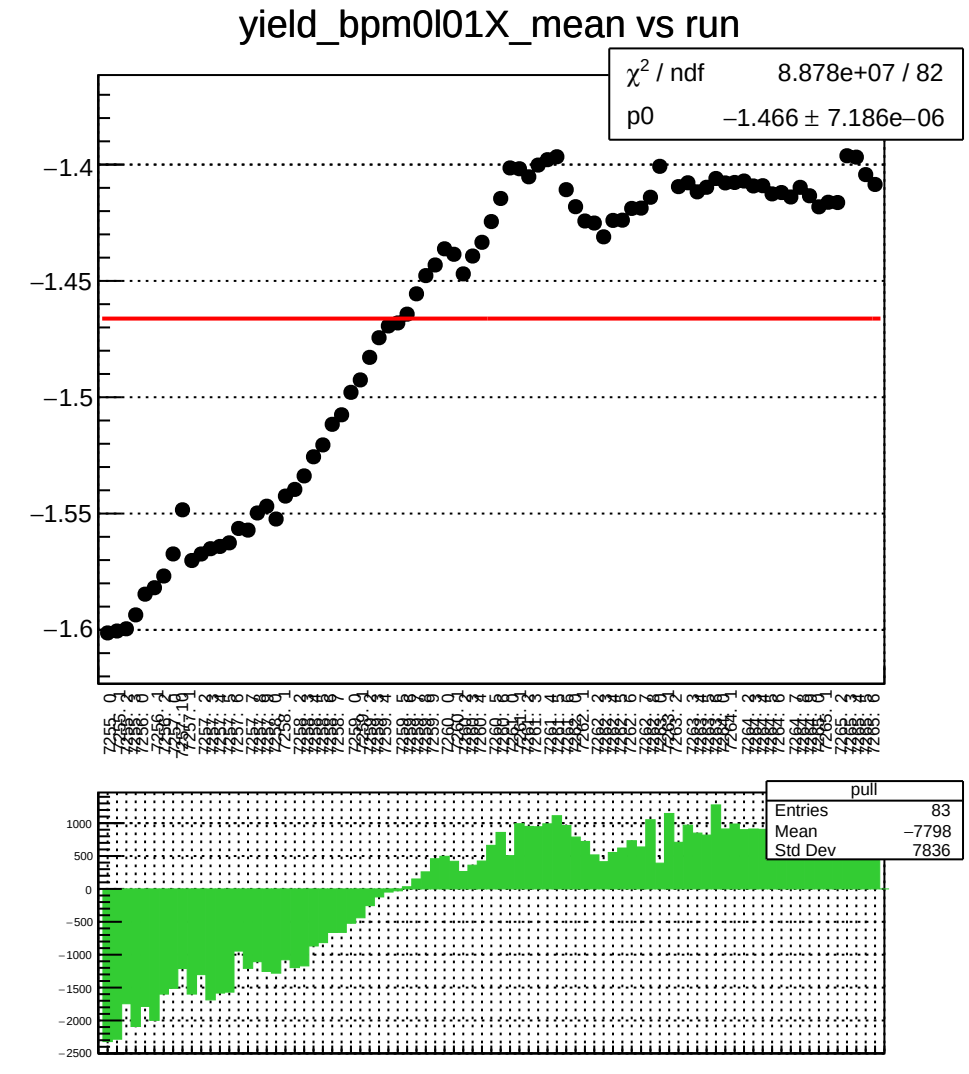

pull1D
Entries 83
Mean 0.3053
Std Dev 4.625
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

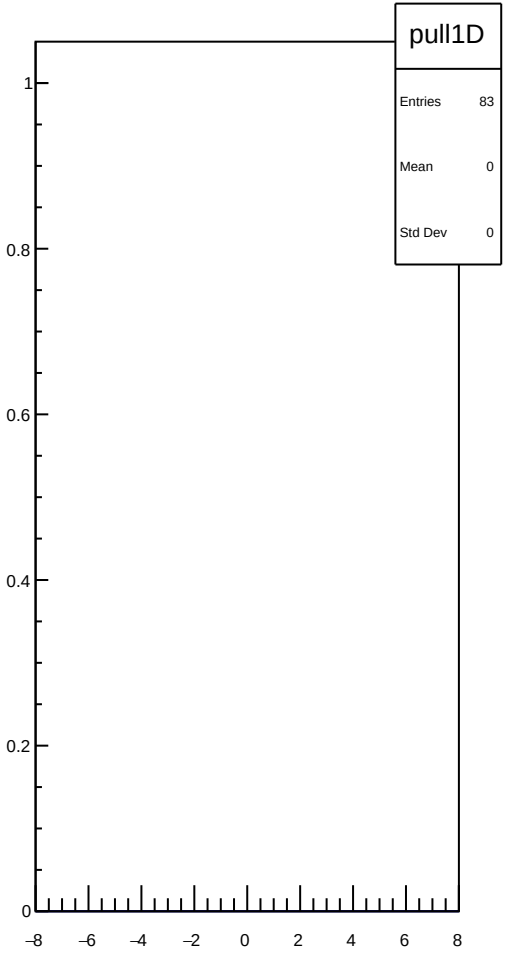

yield_bpm16X_rms vs run
χ² / ndf 1.573e+05 / 82
p0 0.009873 ± 8.221e−06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

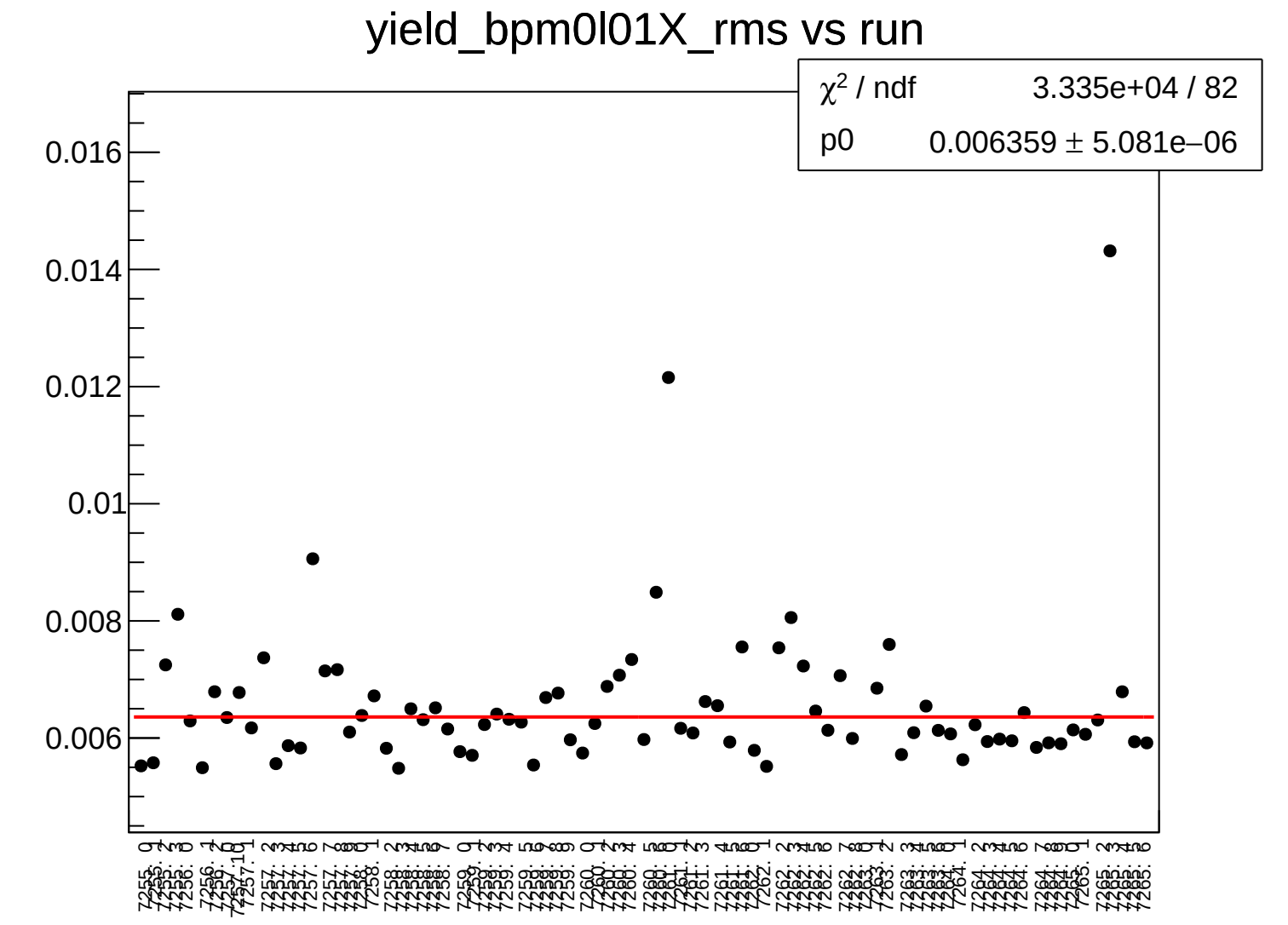

yield_bpm16Y_mean vs run
χ² / ndf 3.73e+04 / 82
p0 −0.2255 ± 5.817e−06
−0.222
−0.223
−0.224
−0.225
−0.226
−0.227
−0.228
−0.229
−0.23
−0.231
pull
Entries 83
Mean −169.2
Std Dev 196.5
40
20
0
−20
−40
−60

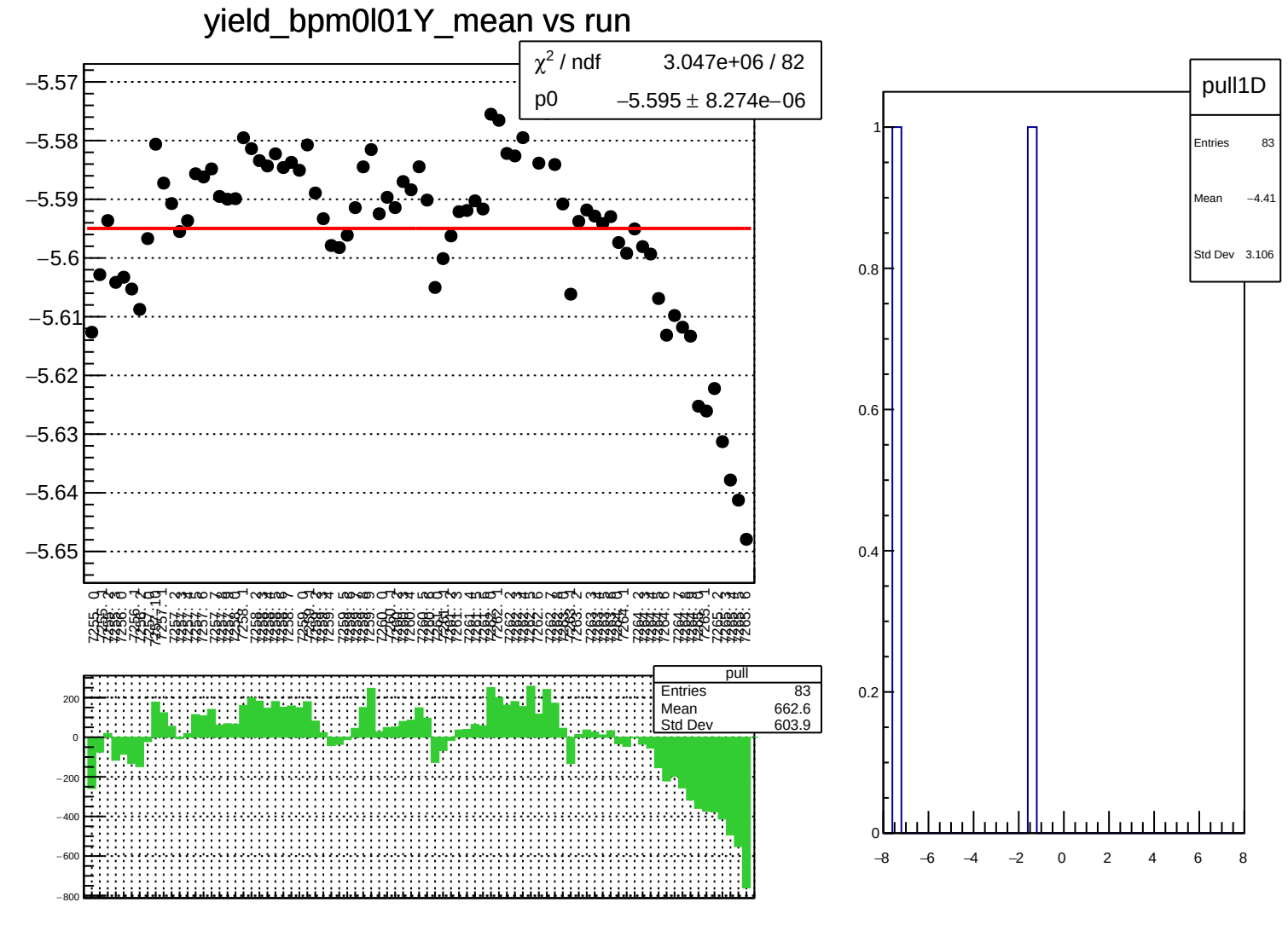

pull1D
Entries 83
Mean 0.851
Std Dev 4.04
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

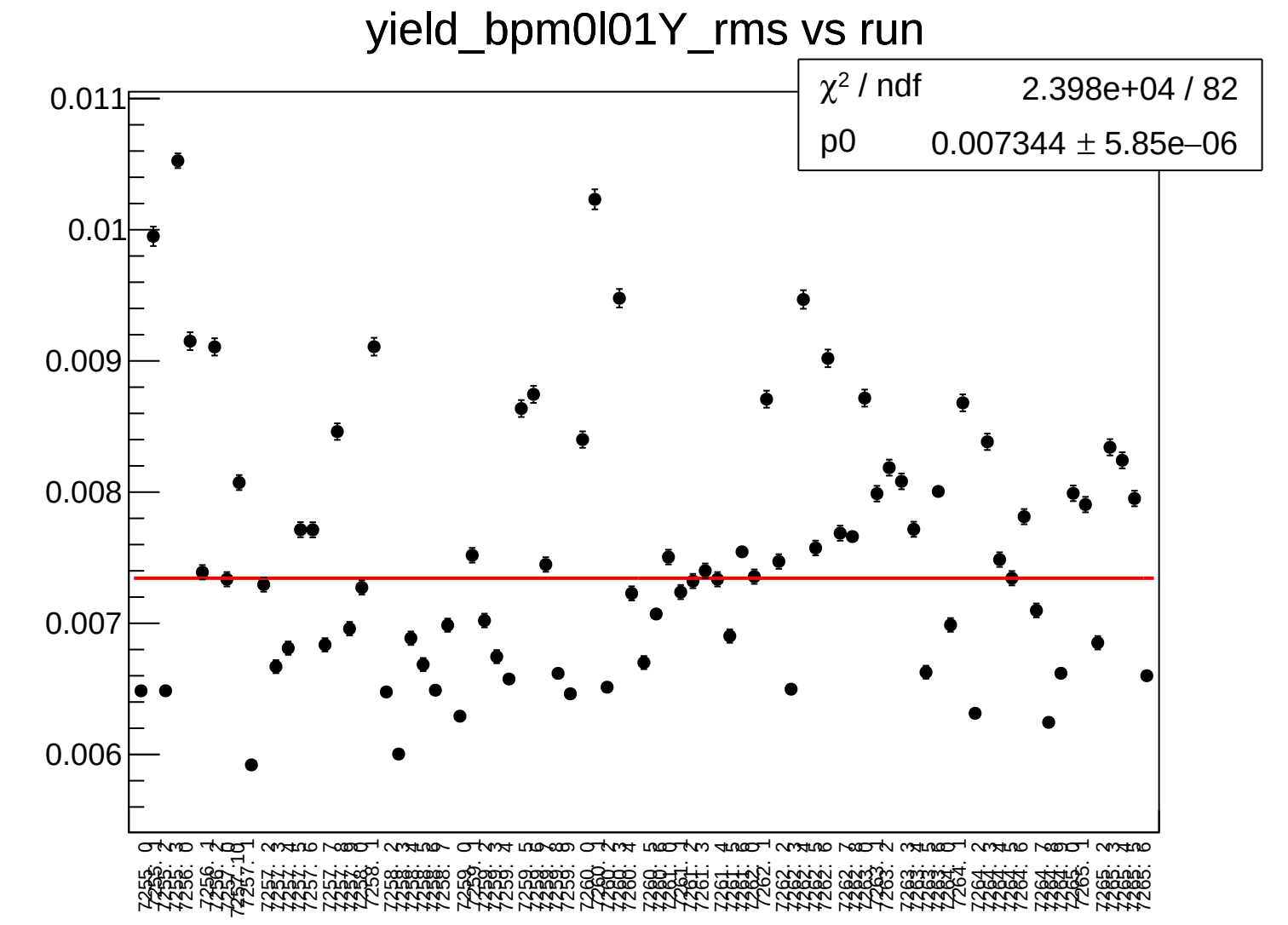

yield_bpm16Y_rms vs run
χ² / ndf 3.519e+04 / 82
p0 0.005145 ± 4.113e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004

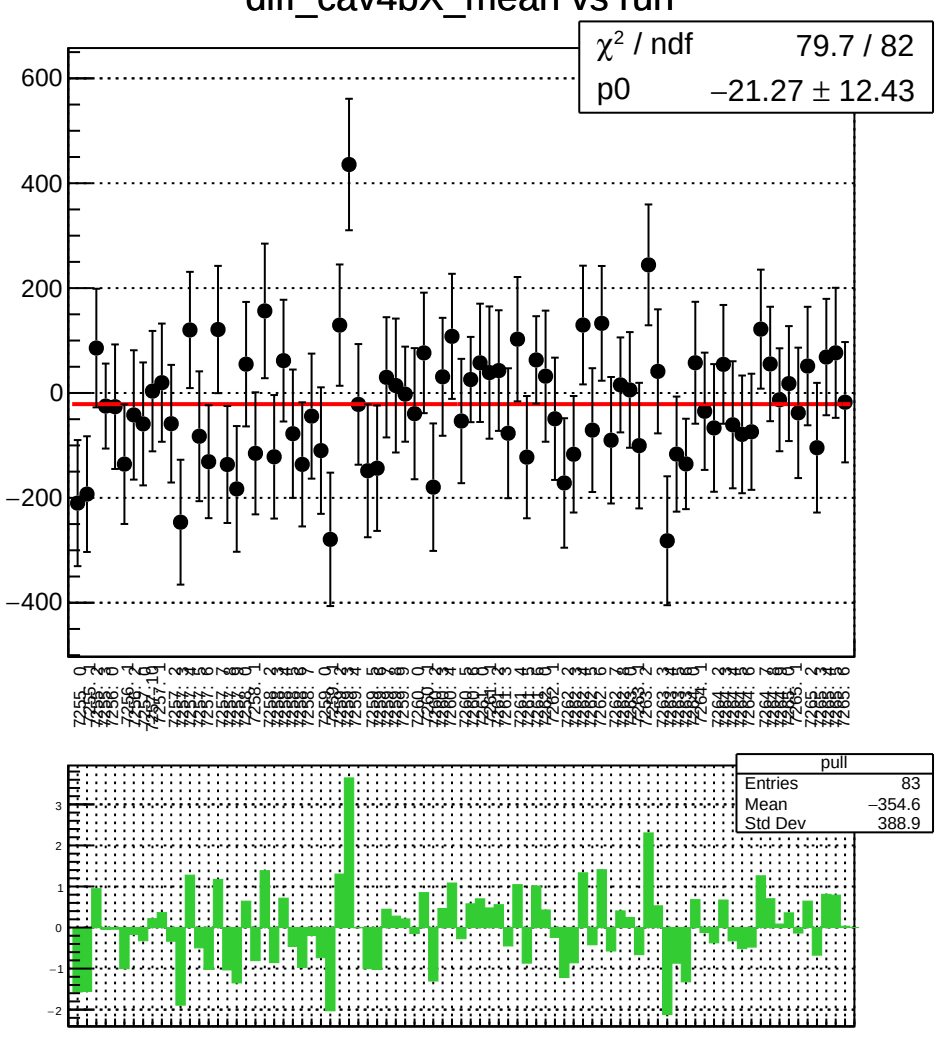

yield_bpm0l01X_mean vs run
χ² / ndf 8.878e+07 / 82
p0 −1.466 ± 7.186e−06
−1.4
−1.45
−1.5
−1.55
−1.6
pull
Entries 83
Mean −7798
Std Dev 7836
1000
500
0
−500
−1000
−1500
−2000
−2500

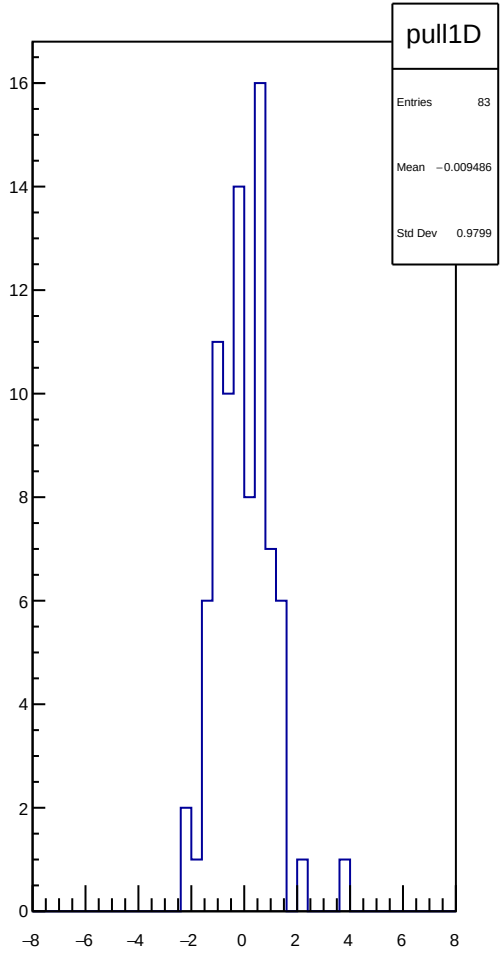

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

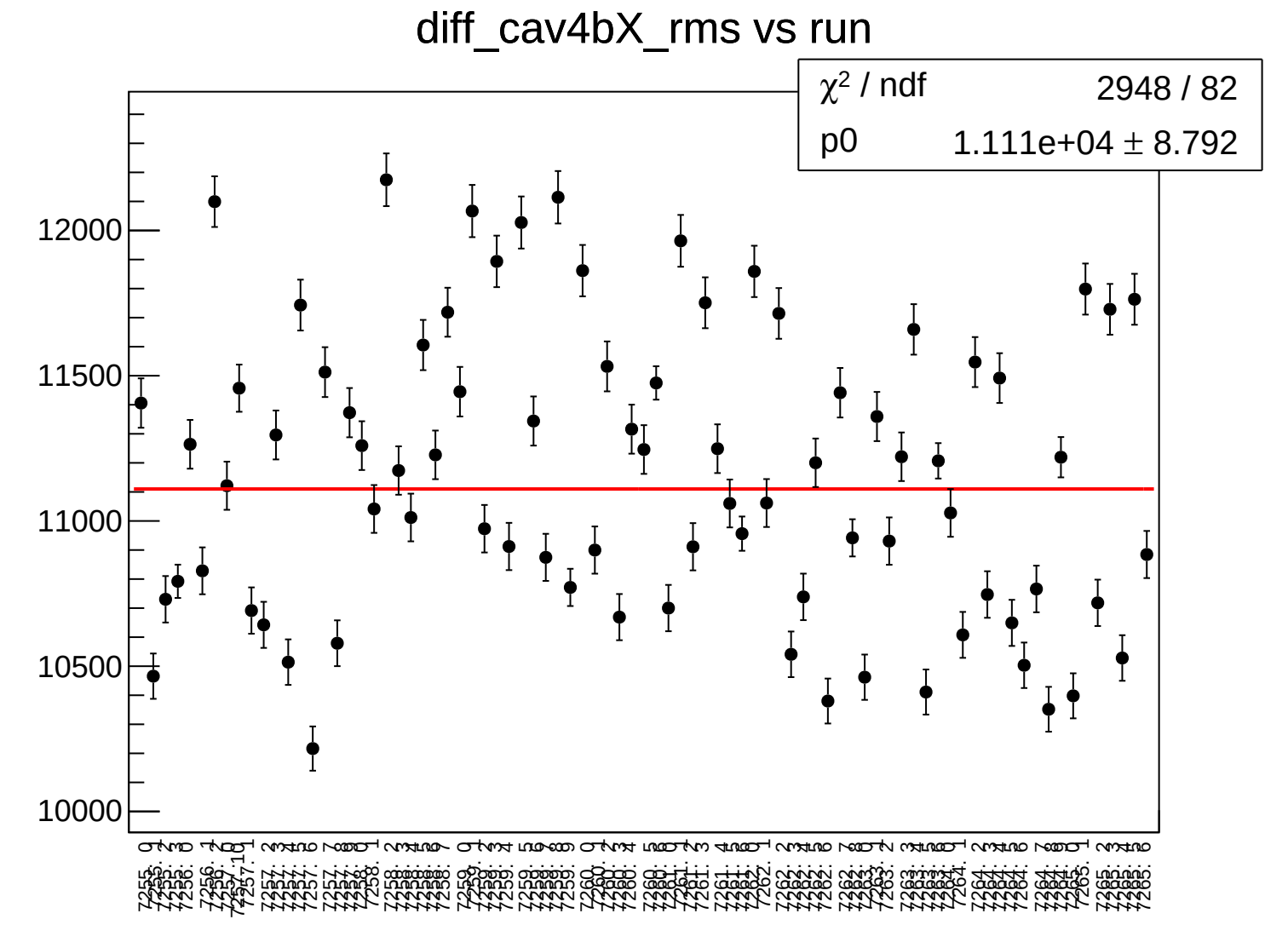

yield_bpm0l01X_rms vs run
χ^2 / ndf 3.335e+04 / 82
p0 0.006359 ± 5.081e−06
0.016
0.014
0.012
0.01
0.008
0.006

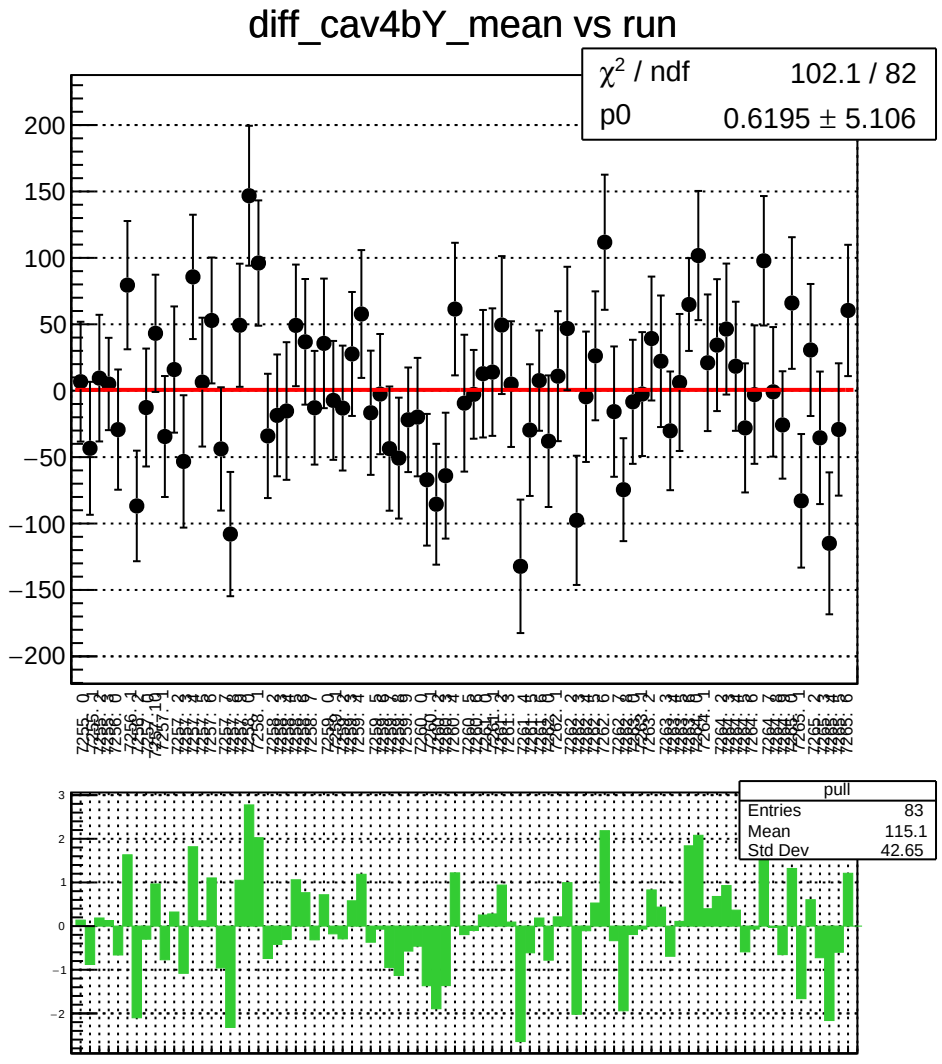

yield_bpm0l01Y_mean vs run
χ² / ndf 3.047e+06 / 82
p0 −5.595 ± 8.274e−06
−5.57
−5.58
−5.59
−5.6
−5.61
−5.62
−5.63
−5.64
−5.65
pull
Entries 83
Mean 662.6
Std Dev 603.9
200
0
−200
−400
−600
−800
pull1D
Entries 83
Mean −4.41
Std Dev 3.106
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

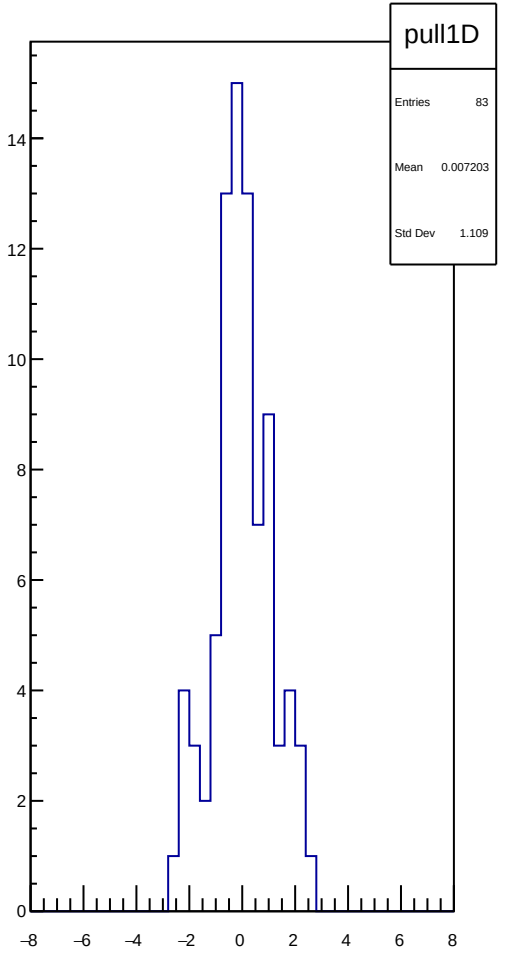

yield_bpm0l01Y_rms vs run
χ² / ndf 2.398e+04 / 82
p0 0.007344 ± 5.85e−06
0.011
0.01
0.009
0.008
0.007
0.006

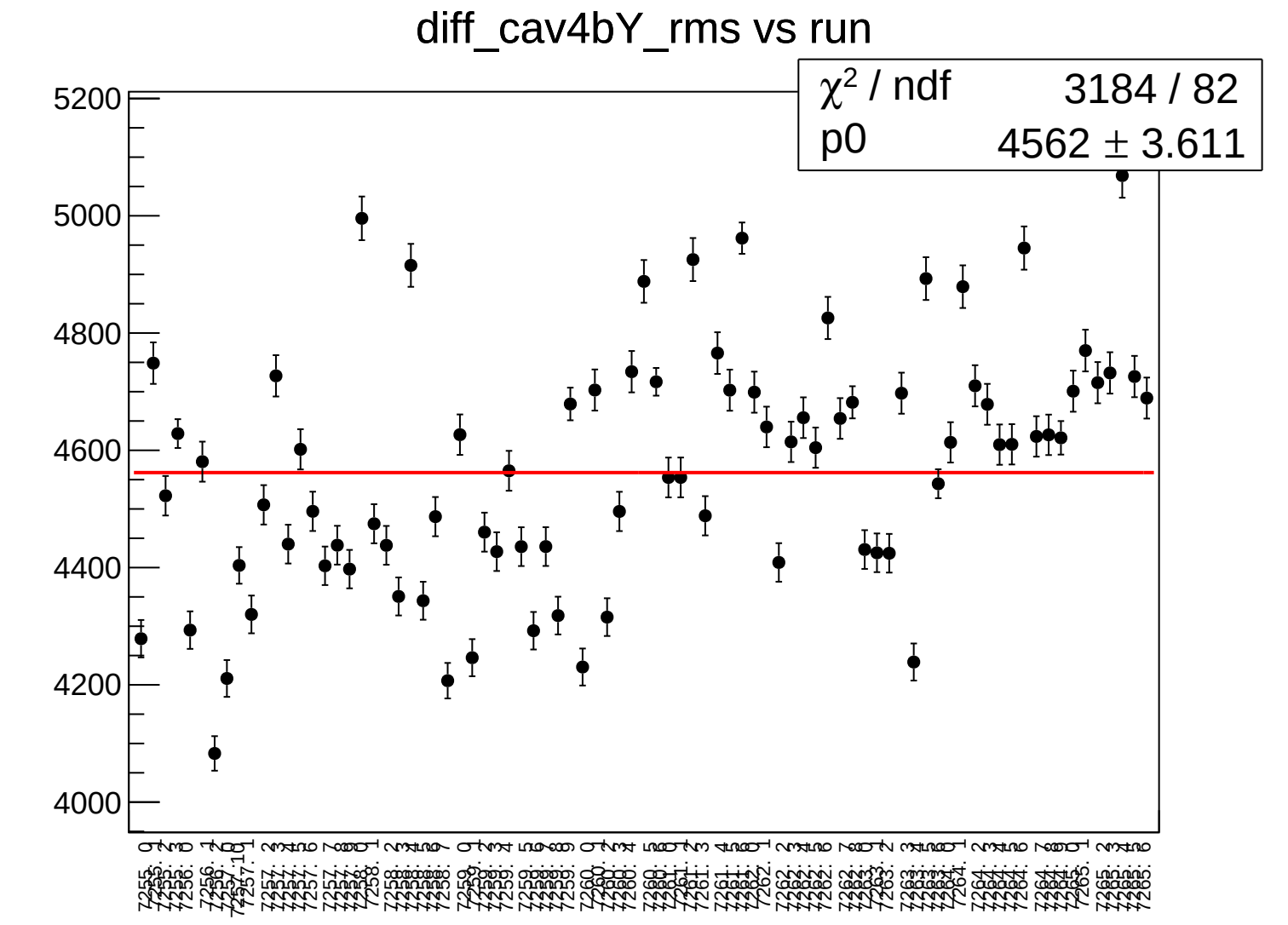

diff_cav4bX_mean vs run
χ² / ndf 79.7 / 82
p0 −21.27 ± 12.43
600
400
200
0
−200
−400
pull
Entries 83
Mean −354.6
Std Dev 388.9
3
2
1
0
−1
−2

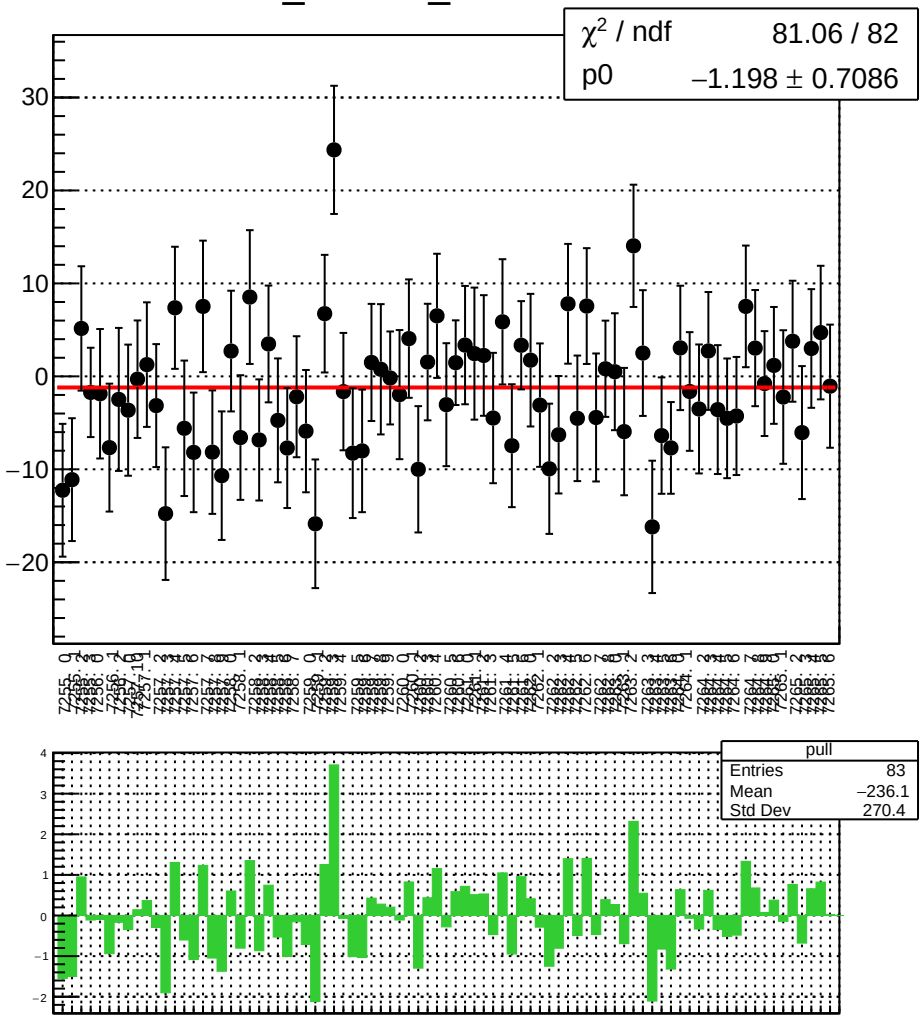

pull1D
Entries 83
Mean −0.009486
Std Dev 0.9799
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

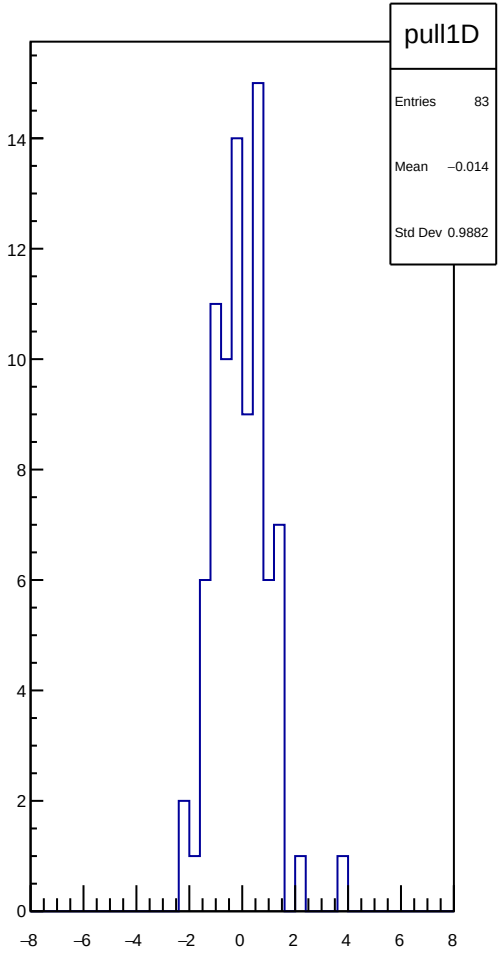

diff_cav4bX_rms vs run
χ² / ndf 2948 / 82
p0 1.111e+04 ± 8.792
12000
11500
11000
10500
10000

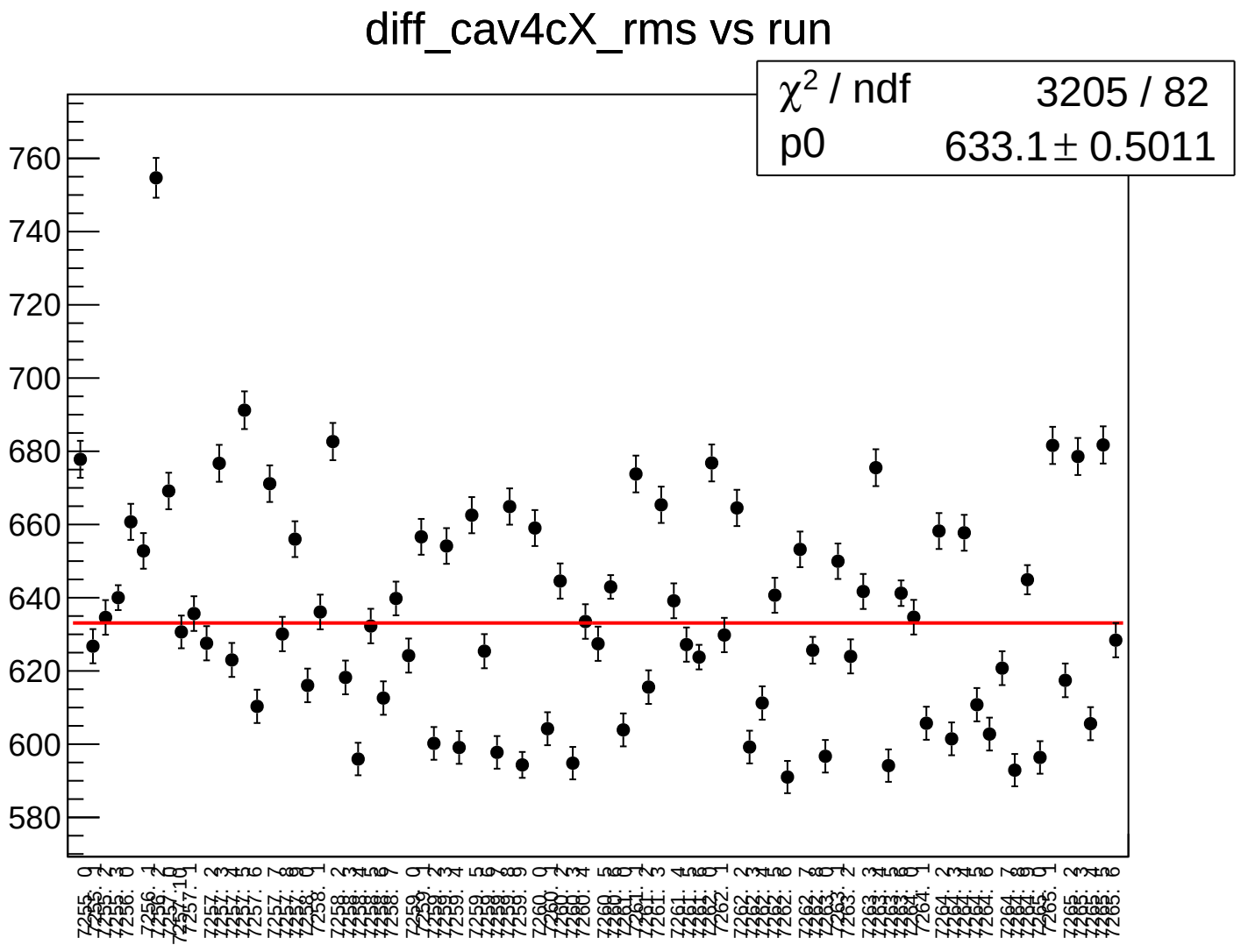

diff_cav4bY_mean vs run
χ^2 / ndf 102.1 / 82
p0 0.6195 ± 5.106
pull
Entries 83
Mean 115.1
Std Dev 42.65

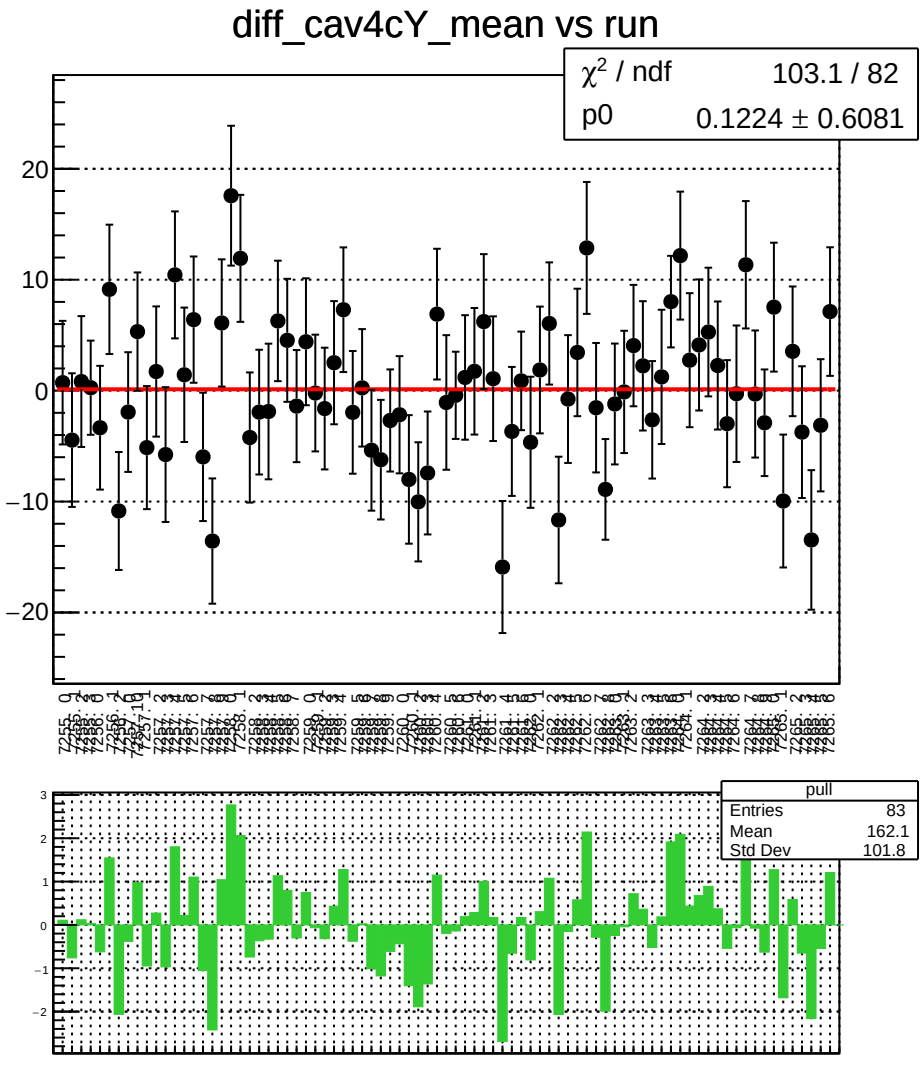

pull1D
Entries 83
Mean 0.007203
Std Dev 1.109

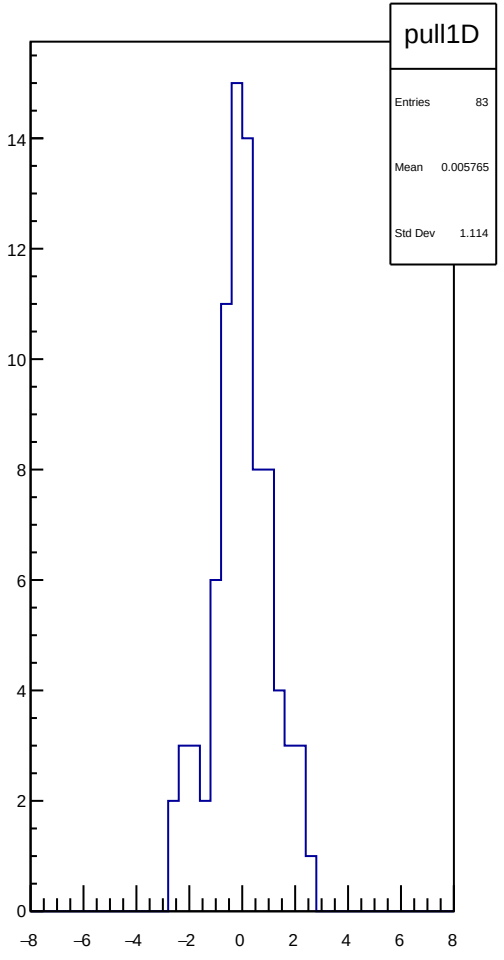

diff_cav4bY_rms vs run
χ² / ndf 3184 / 82
p0 4562 ± 3.611
5200
5000
4800
4600
4400
4200
4000

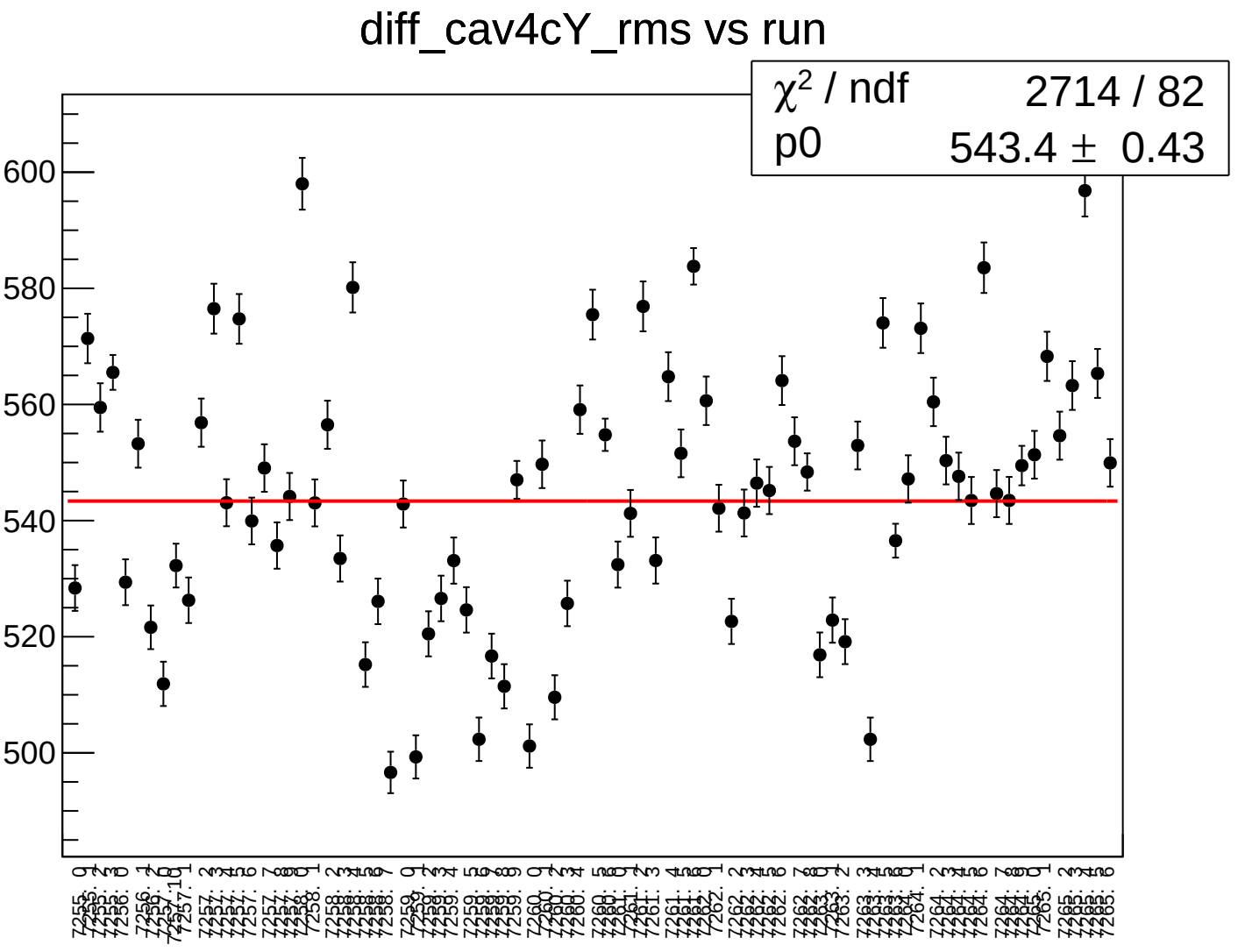

diff_cav4cX_mean vs run
χ^2 / ndf 81.06 / 82
p0 −1.198 ± 0.7086
pull
Entries 83
Mean −236.1
Std Dev 270.4

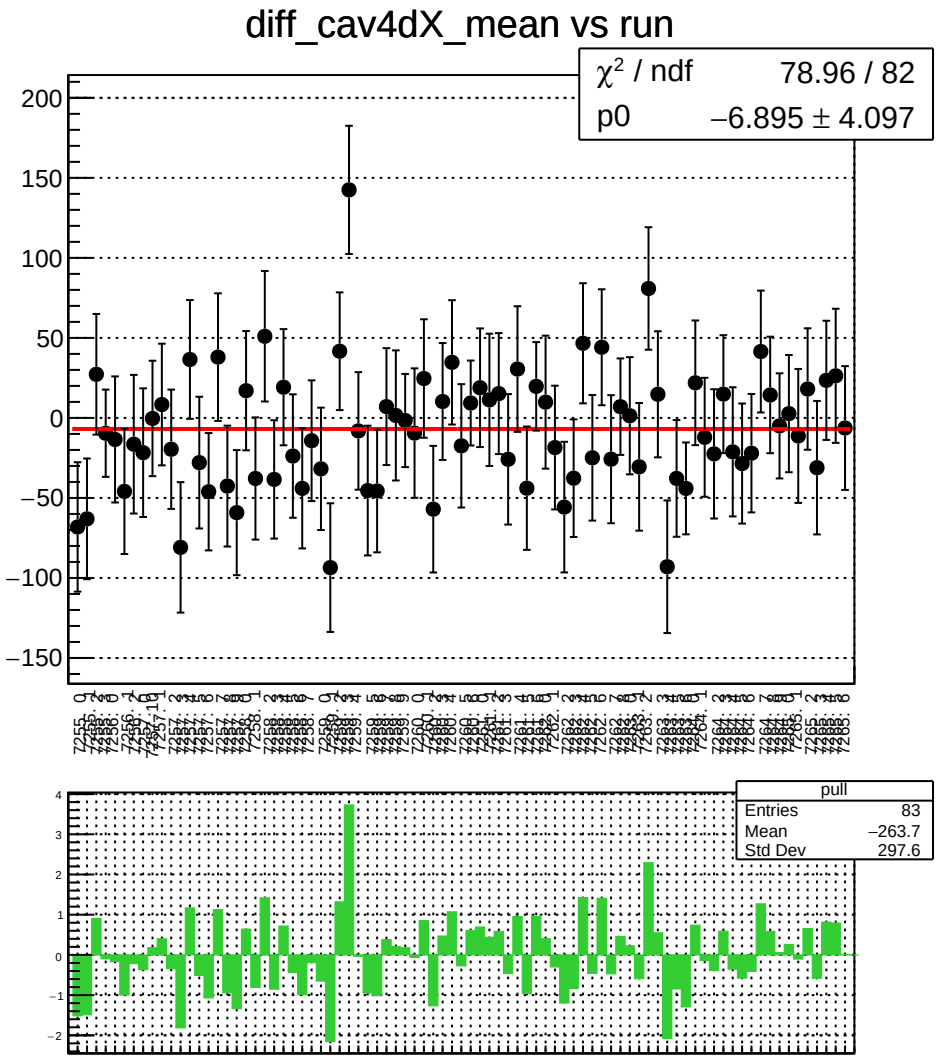

pull1D
Entries 83
Mean −0.014
Std Dev 0.9882

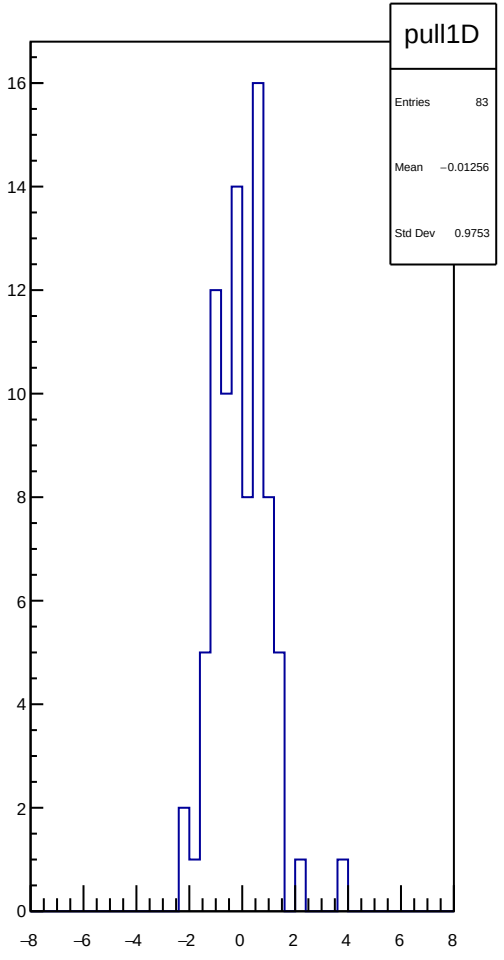

diff_cav4cX_rms vs run
χ² / ndf 3205 / 82
p0 633.1 ± 0.5011
760
740
720
700
680
660
640
620
600
580

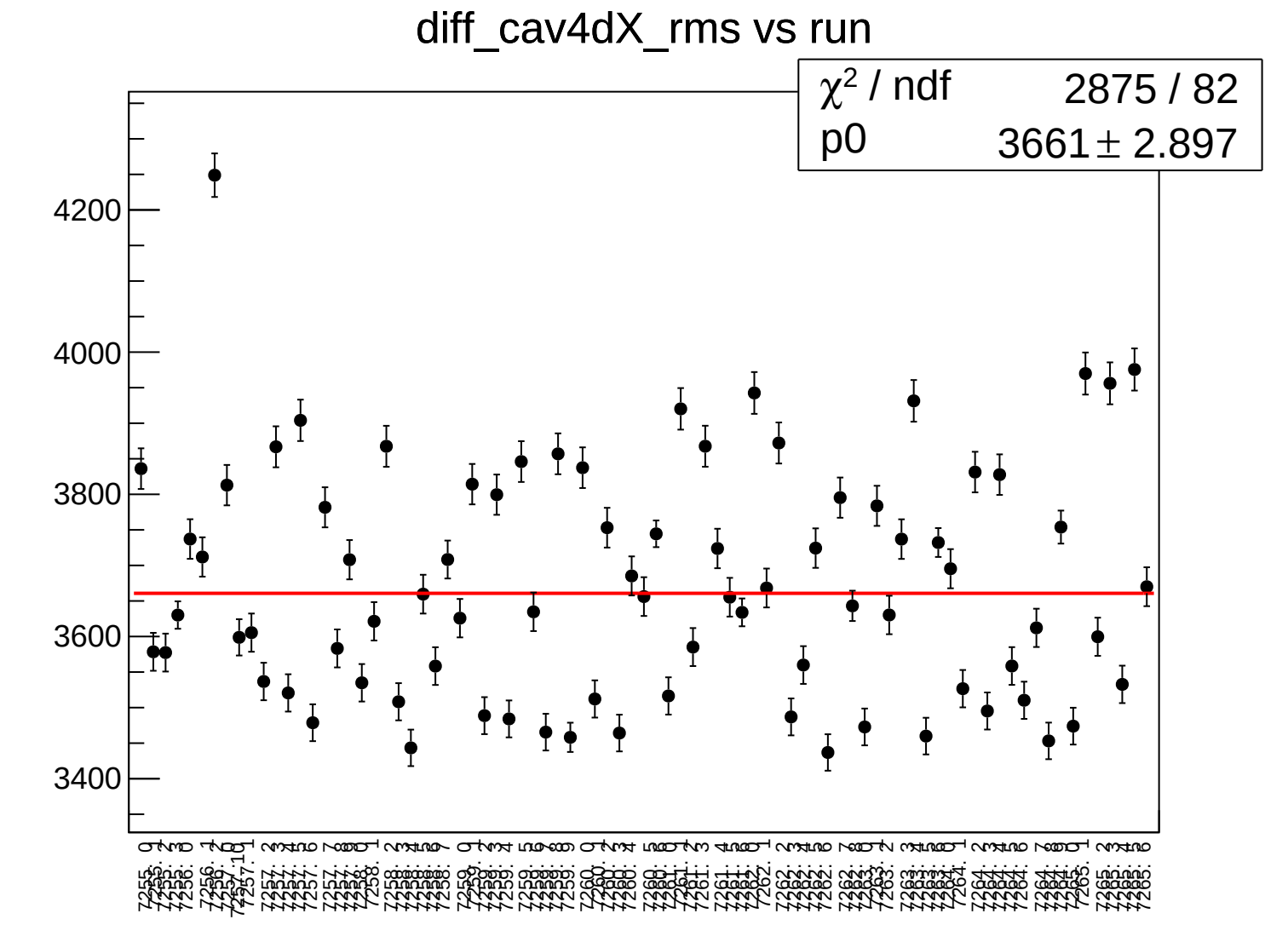

diff_cav4cY_mean vs run
χ² / ndf 103.1 / 82
p0 0.1224 ± 0.6081
pull
Entries 83
Mean 162.1
Std Dev 101.8

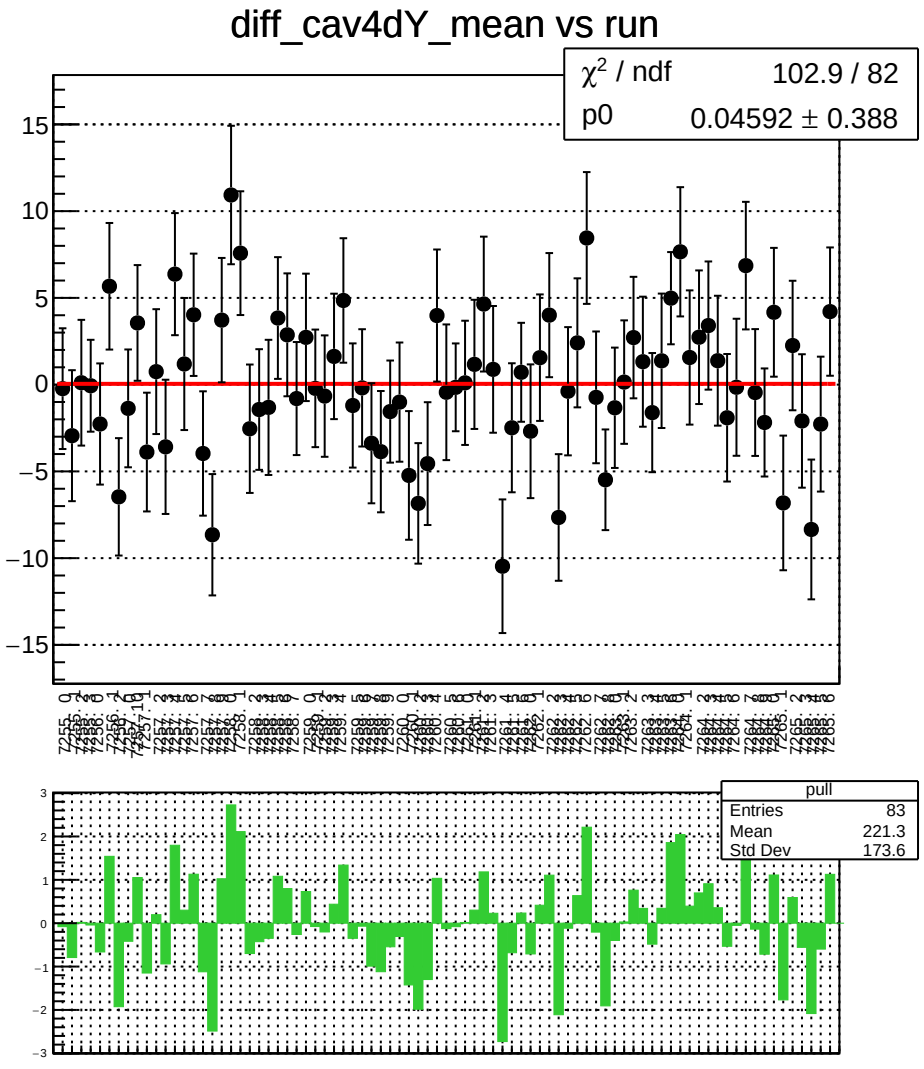

pull1D
Entries 83
Mean 0.005765
Std Dev 1.114

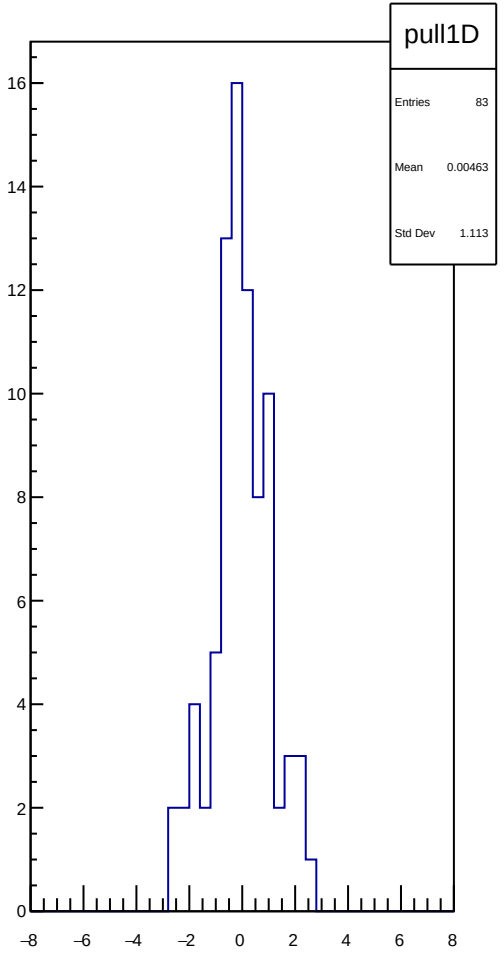

diff_cav4cY_rms vs run
χ² / ndf 2714 / 82
p0 543.4 ± 0.43
600
580
560
540
520
500

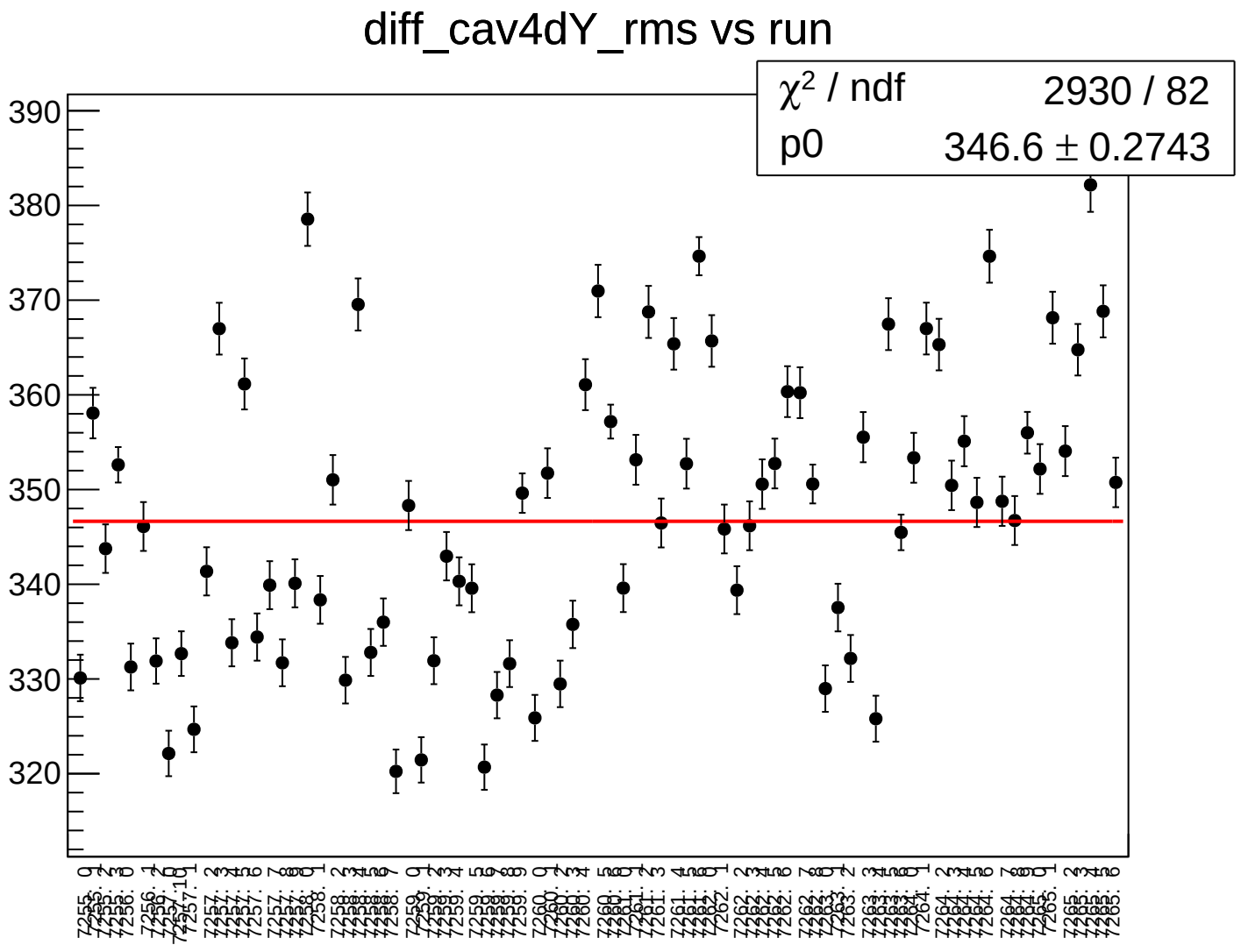

diff_cav4dX_mean vs run
χ² / ndf 78.96 / 82
p0 −6.895 ± 4.097
pull
Entries 83
Mean −263.7
Std Dev 297.6

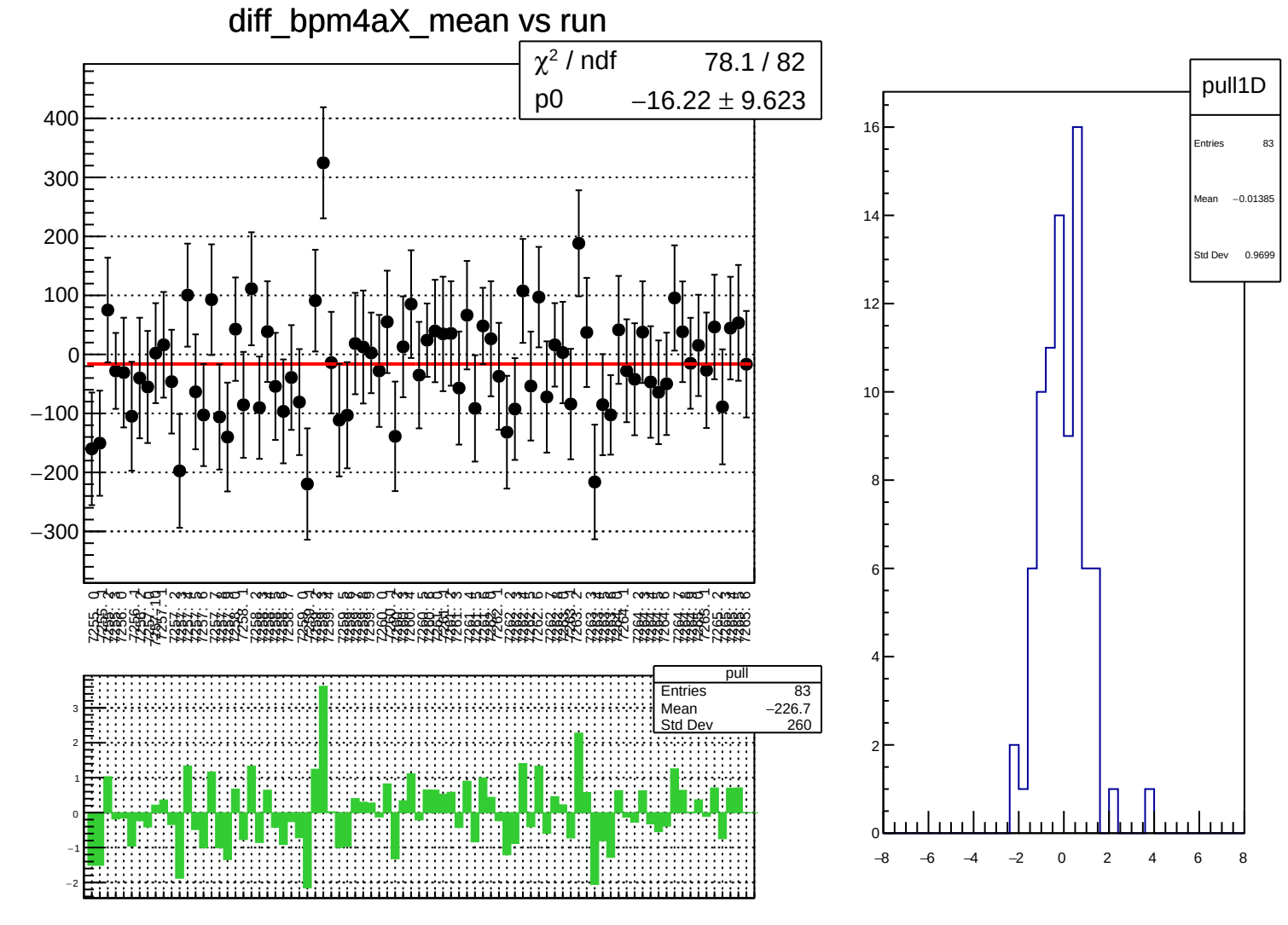

pull1D
Entries 83
Mean −0.01256
Std Dev 0.9753

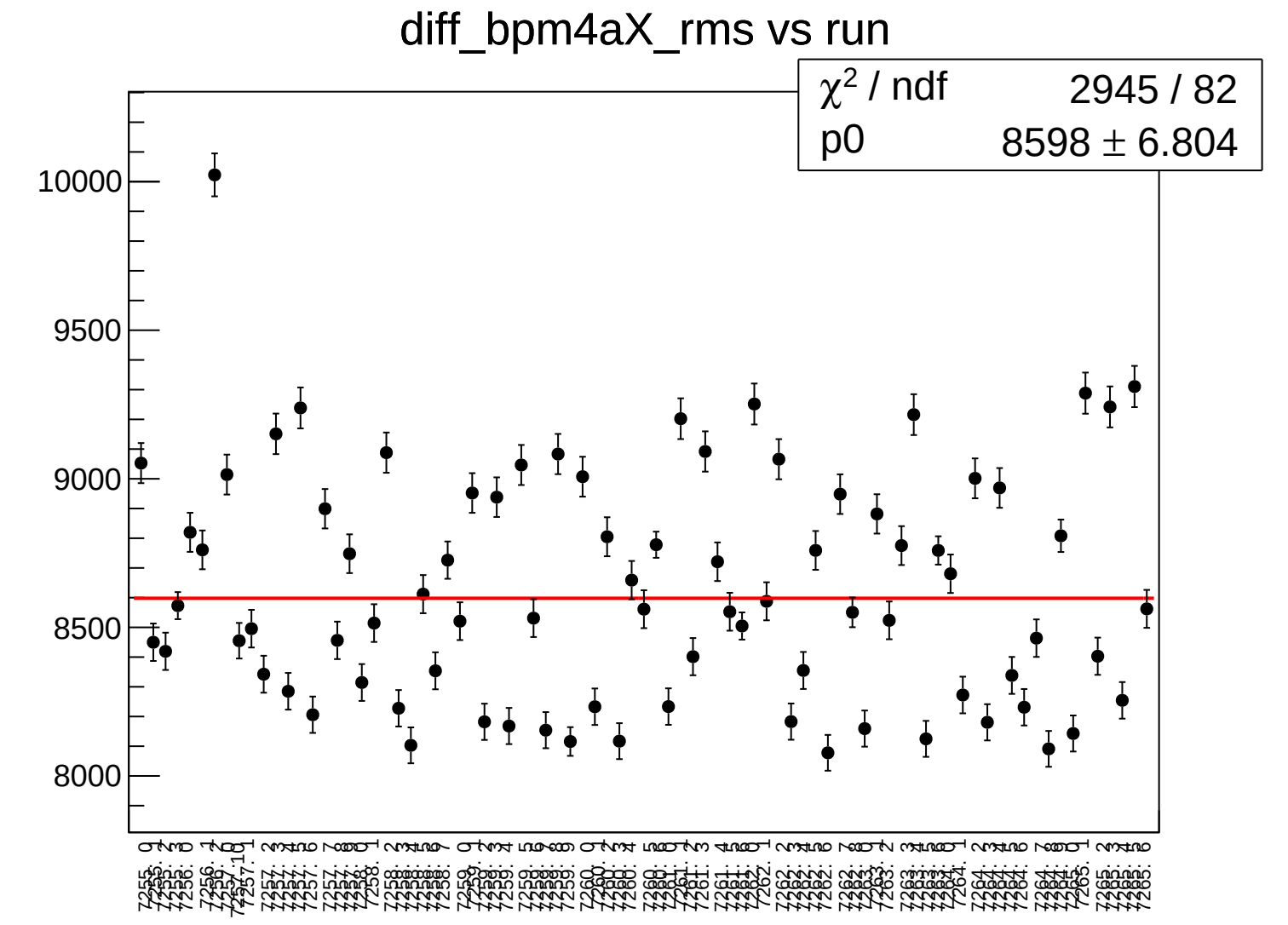

diff_cav4dX_rms vs run
χ² / ndf 2875 / 82
p0 3661 ± 2.897
4200
4000
3800
3600
3400

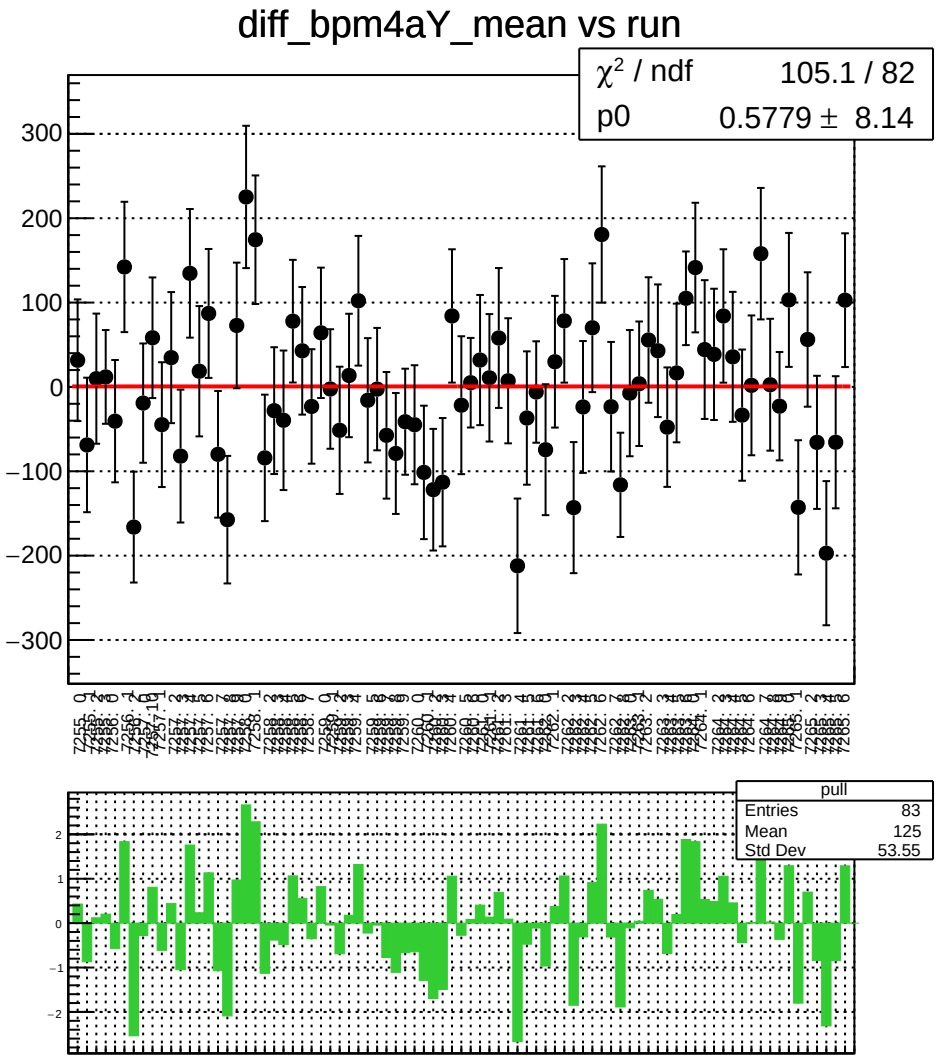

diff_cav4dY_mean vs run
χ² / ndf 102.9 / 82
p0 0.04592 ± 0.388
pull
Entries 83
Mean 221.3
Std Dev 173.6

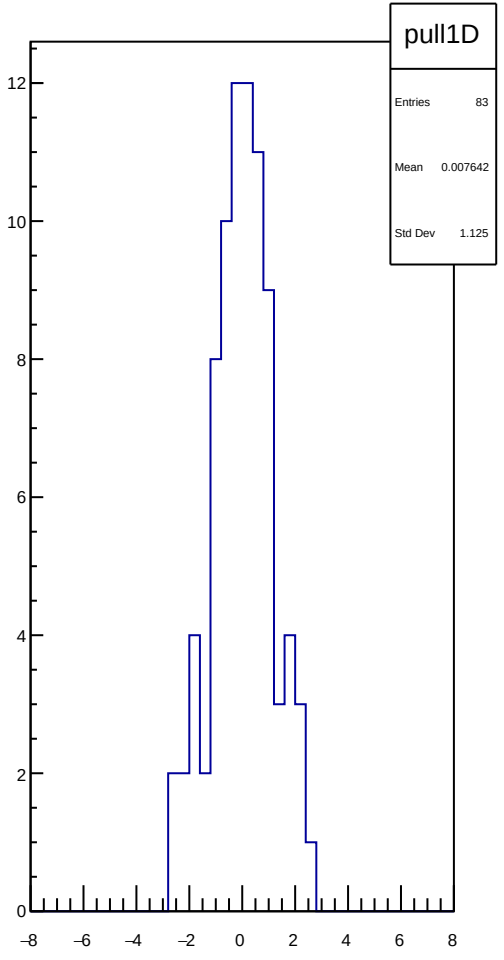

pull1D
Entries 83
Mean 0.00463
Std Dev 1.113

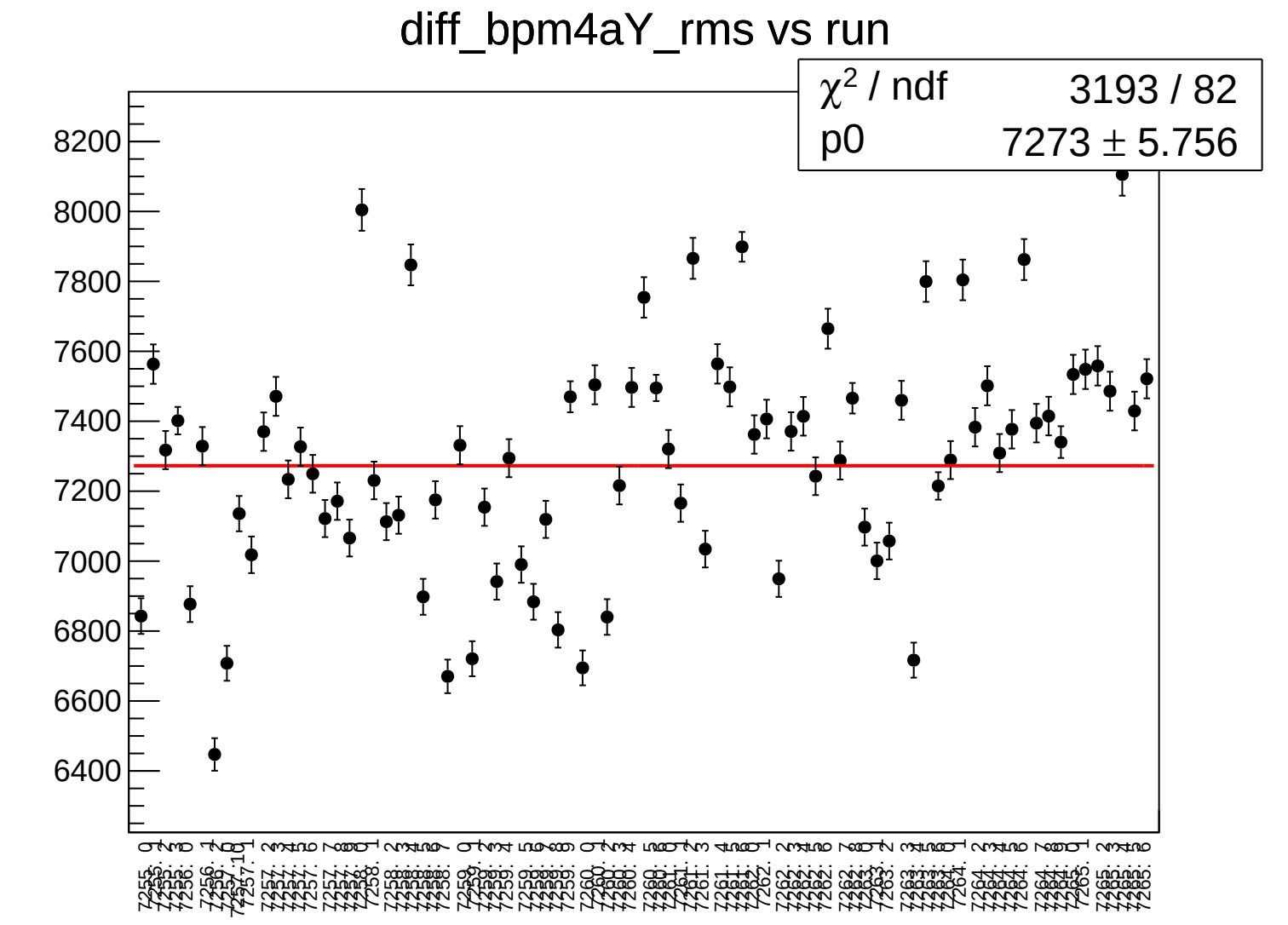

diff_cav4dY_rms vs run
χ² / ndf 2930 / 82
p0 346.6 ± 0.2743
390
380
370
360
350
340
330
320

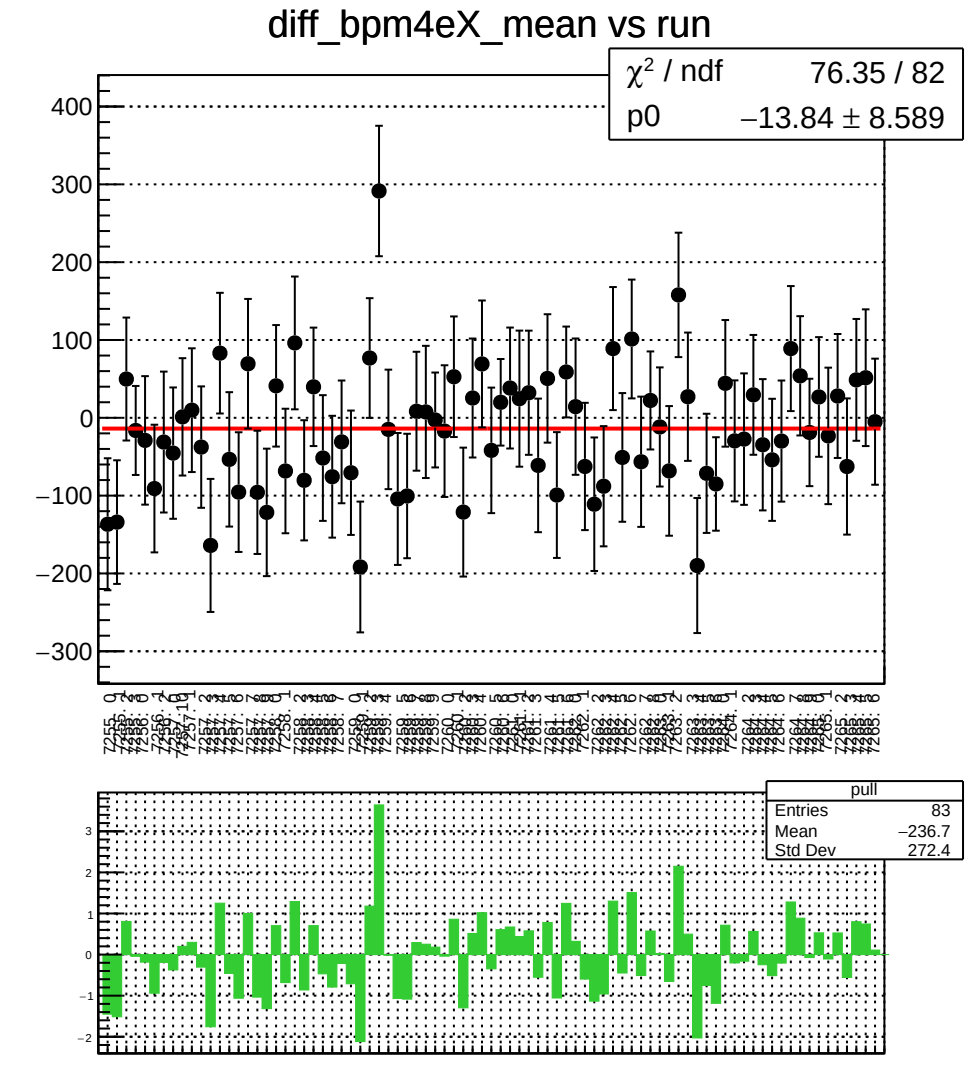

diff_bpm4aX_mean vs run
χ² / ndf 78.1 / 82
p0 −16.22 ± 9.623
pull
Entries 83
Mean −226.7
Std Dev 260
pull1D
Entries 83
Mean −0.01385
Std Dev 0.9699

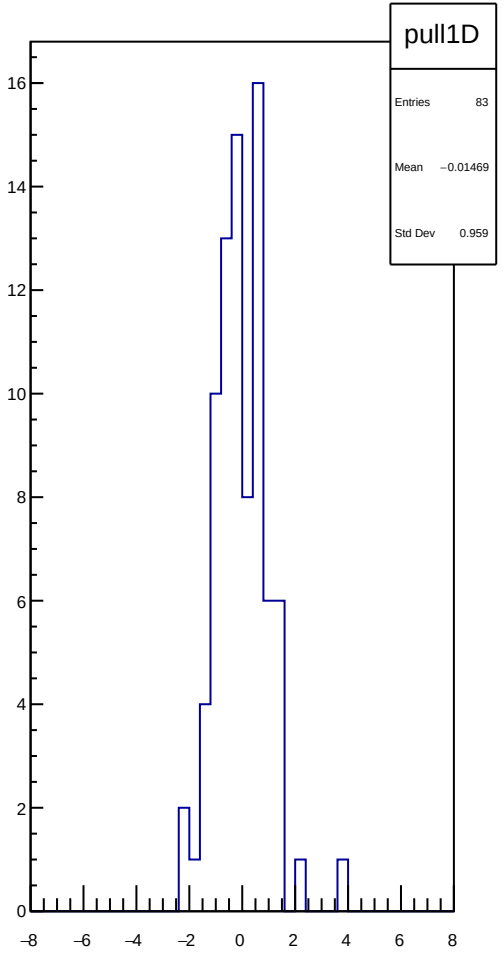

diff_bpm4aX_rms vs run
χ^2 / ndf 2945 / 82
p0 8598 ± 6.804
10000
9500
9000
8500
8000

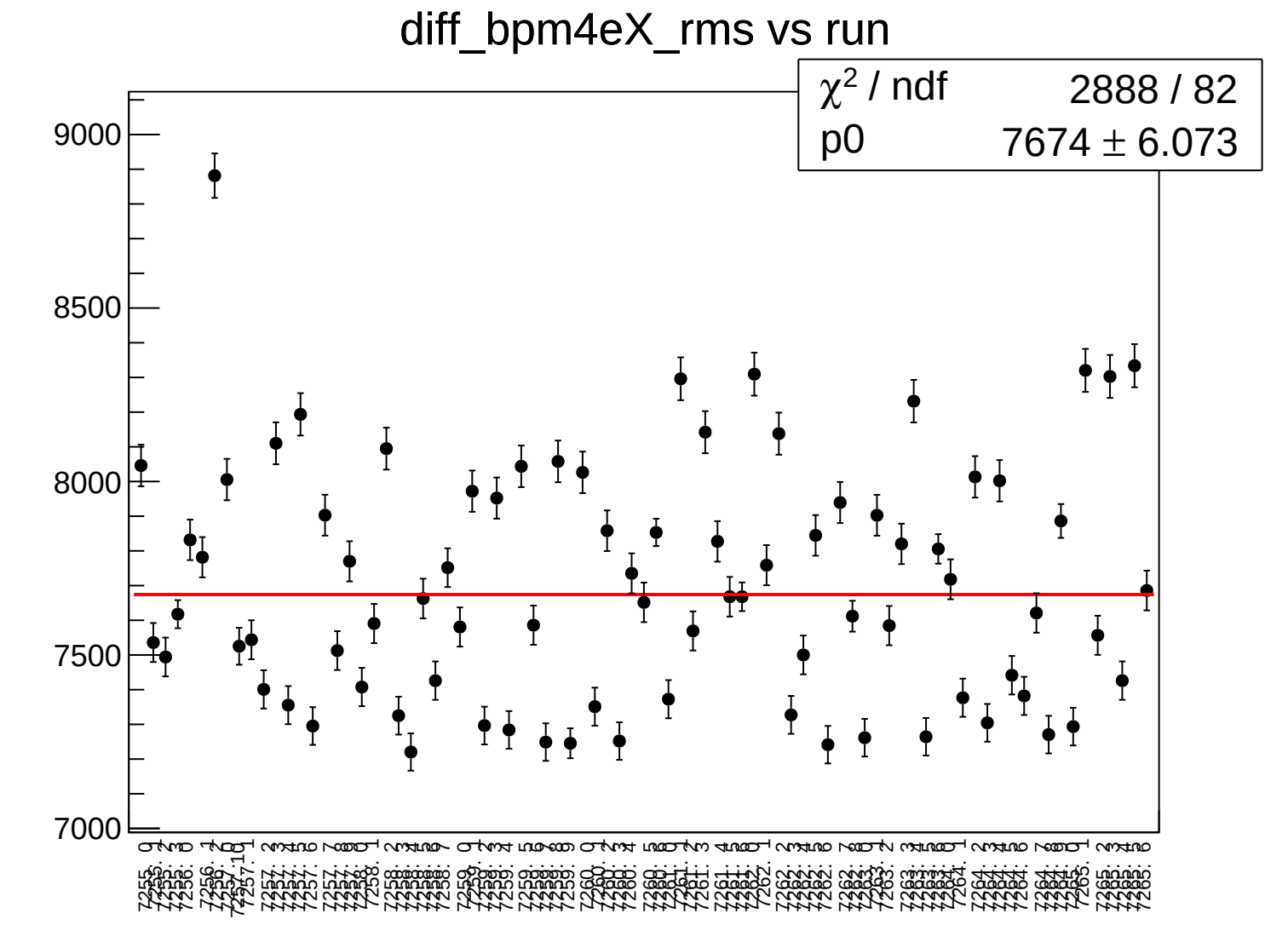

diff_bpm4aY_mean vs run
χ² / ndf 105.1 / 82
p0 0.5779 ± 8.14
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean 125
Std Dev 53.55
2
1
0
−1
−2

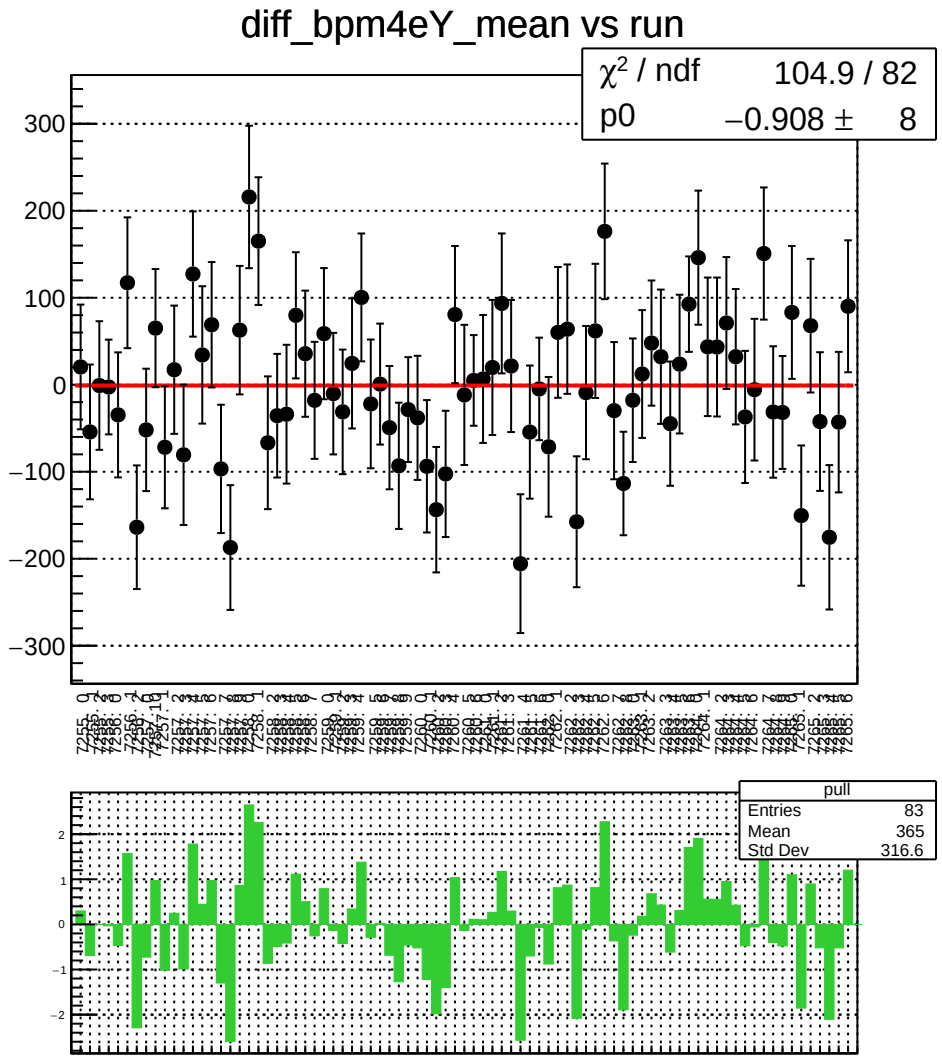

pull1D
Entries 83
Mean 0.007642
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

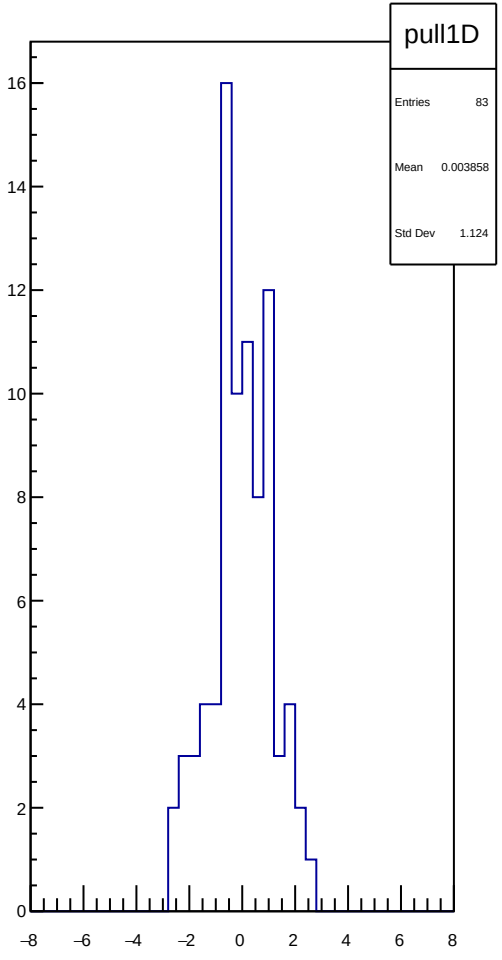

diff_bpm4aY_rms vs run
χ² / ndf 3193 / 82
p0 7273 ± 5.756
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

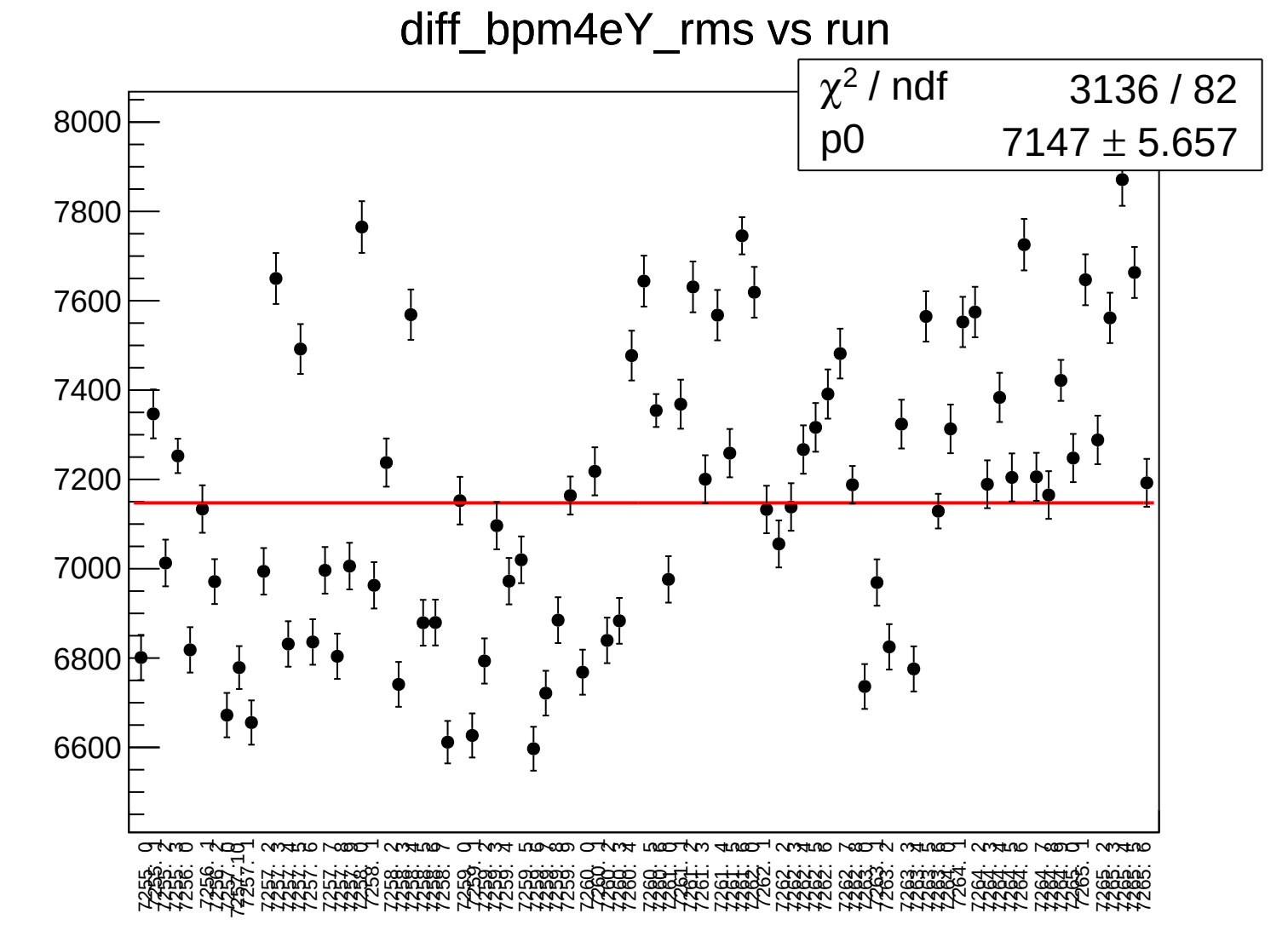

diff_bpm4eX_mean vs run
χ² / ndf 76.35 / 82
p0 −13.84 ± 8.589
pull
Entries 83
Mean −236.7
Std Dev 272.4

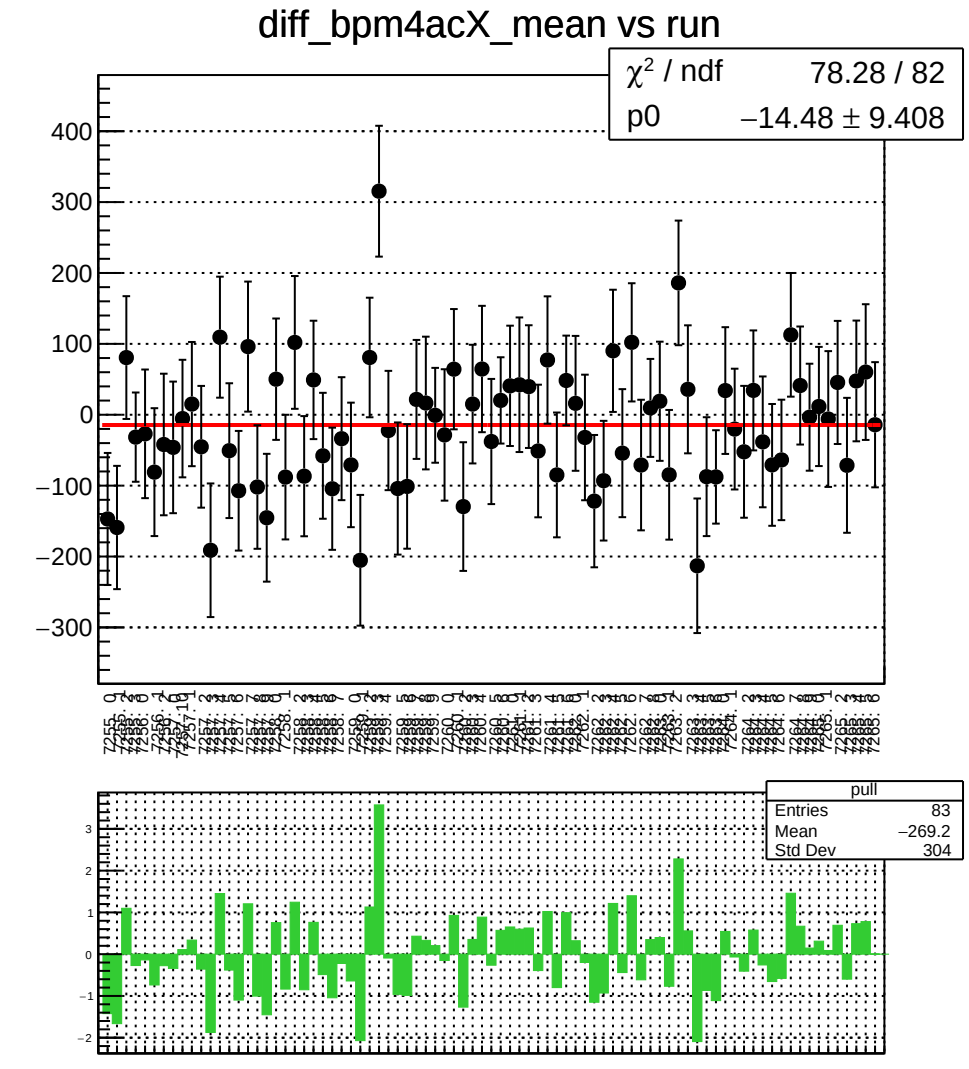

pull1D
Entries 83
Mean −0.01469
Std Dev 0.959

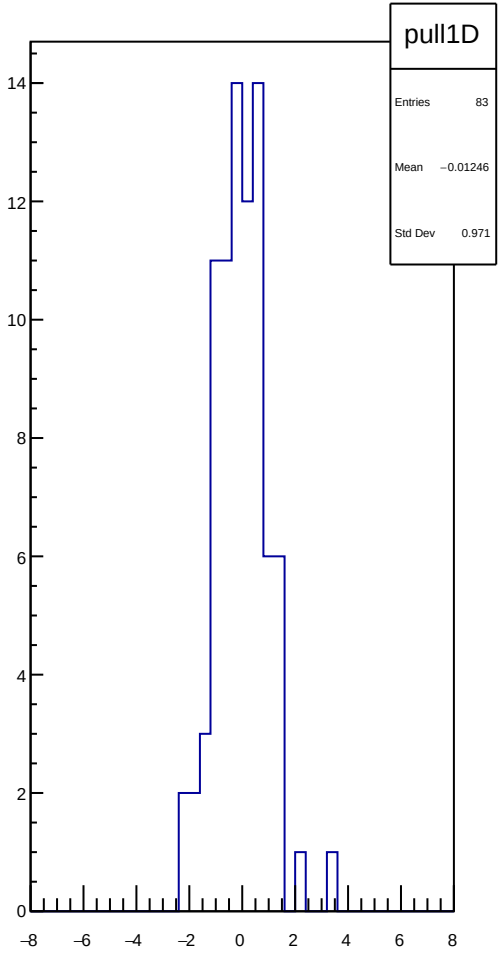

diff_bpm4eX_rms vs run
χ^2 / ndf 2888 / 82
p0 7674 ± 6.073
9000
8500
8000
7500
7000

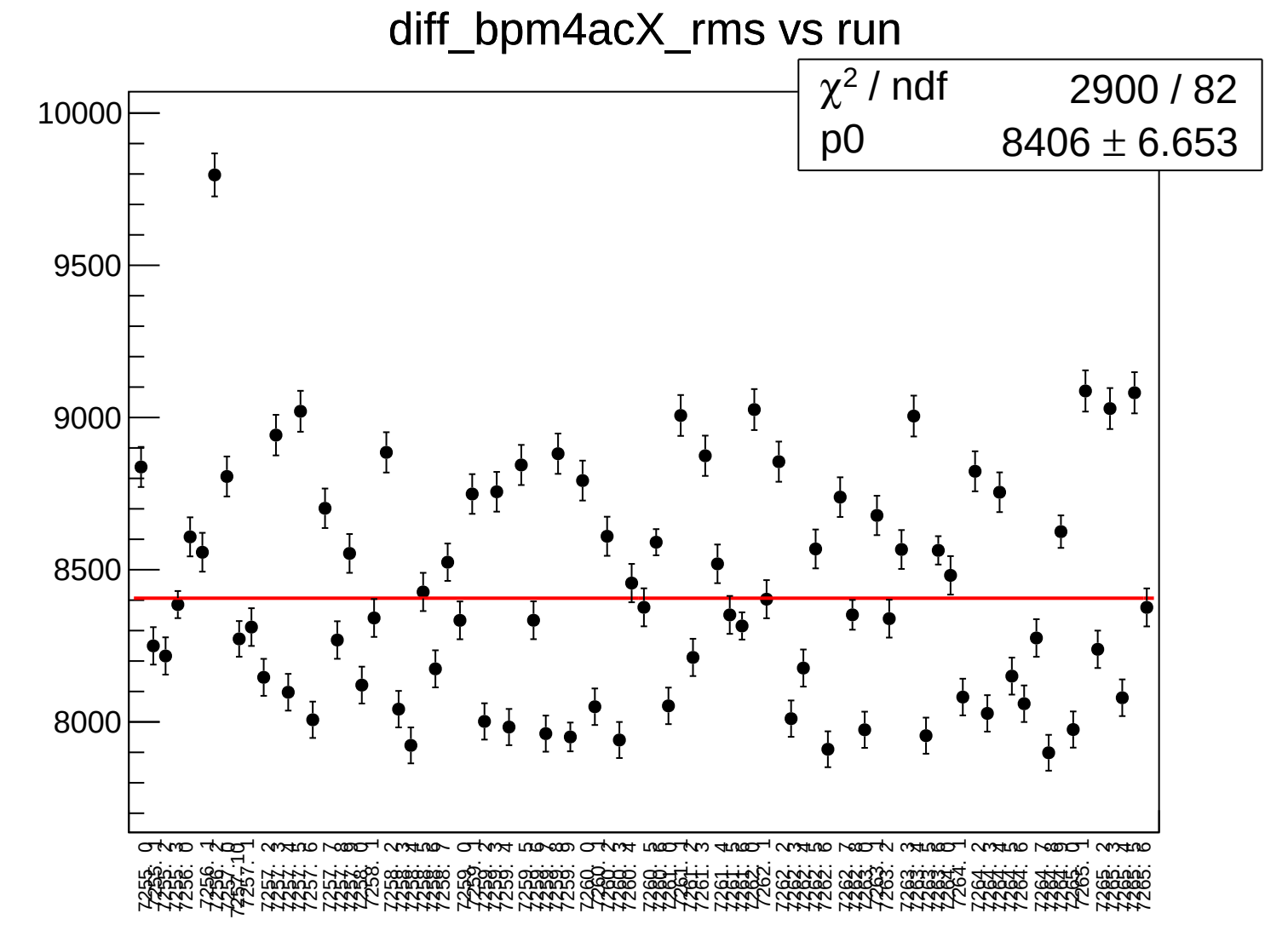

diff_bpm4eY_mean vs run
χ² / ndf 104.9 / 82
p0 −0.908 ± 8
pull
Entries 83
Mean 365
Std Dev 316.6

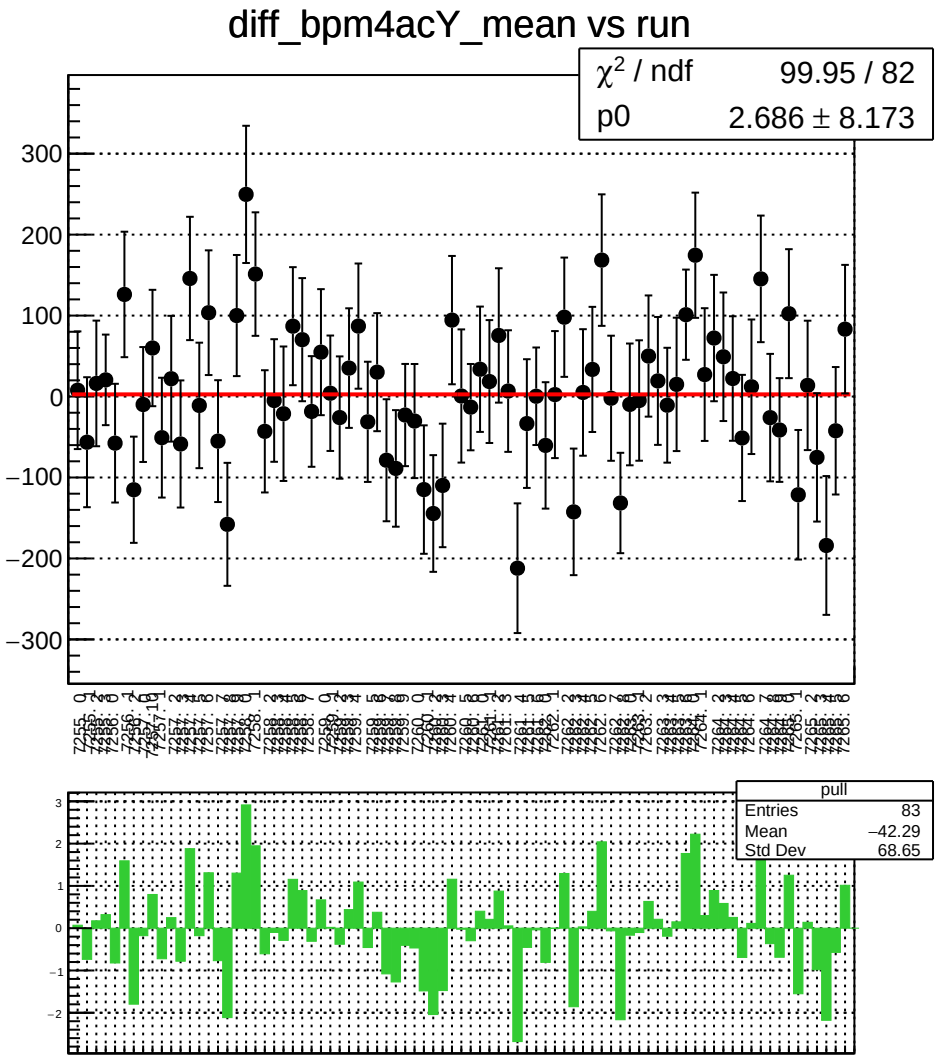

pull1D
Entries 83
Mean 0.003858
Std Dev 1.124

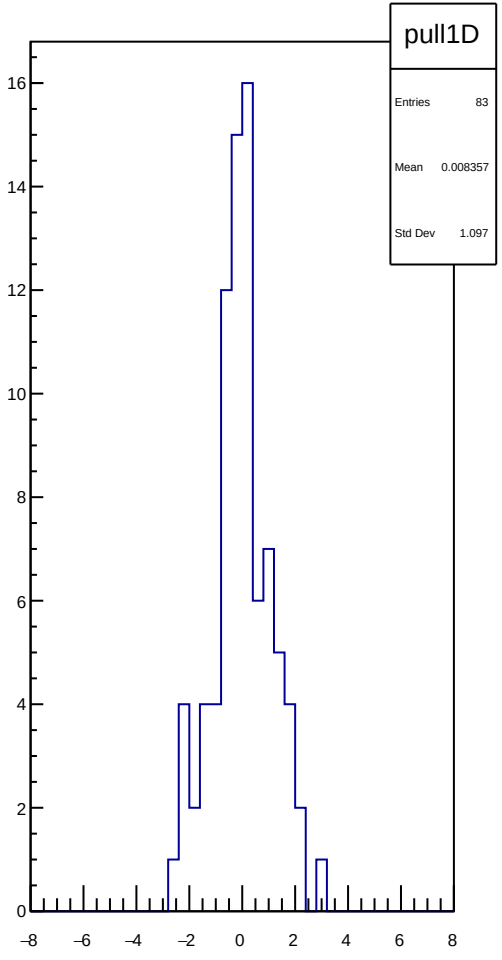

diff_bpm4eY_rms vs run
χ² / ndf 3136 / 82
p0 7147 ± 5.657
8000
7800
7600
7400
7200
7000
6800
6600

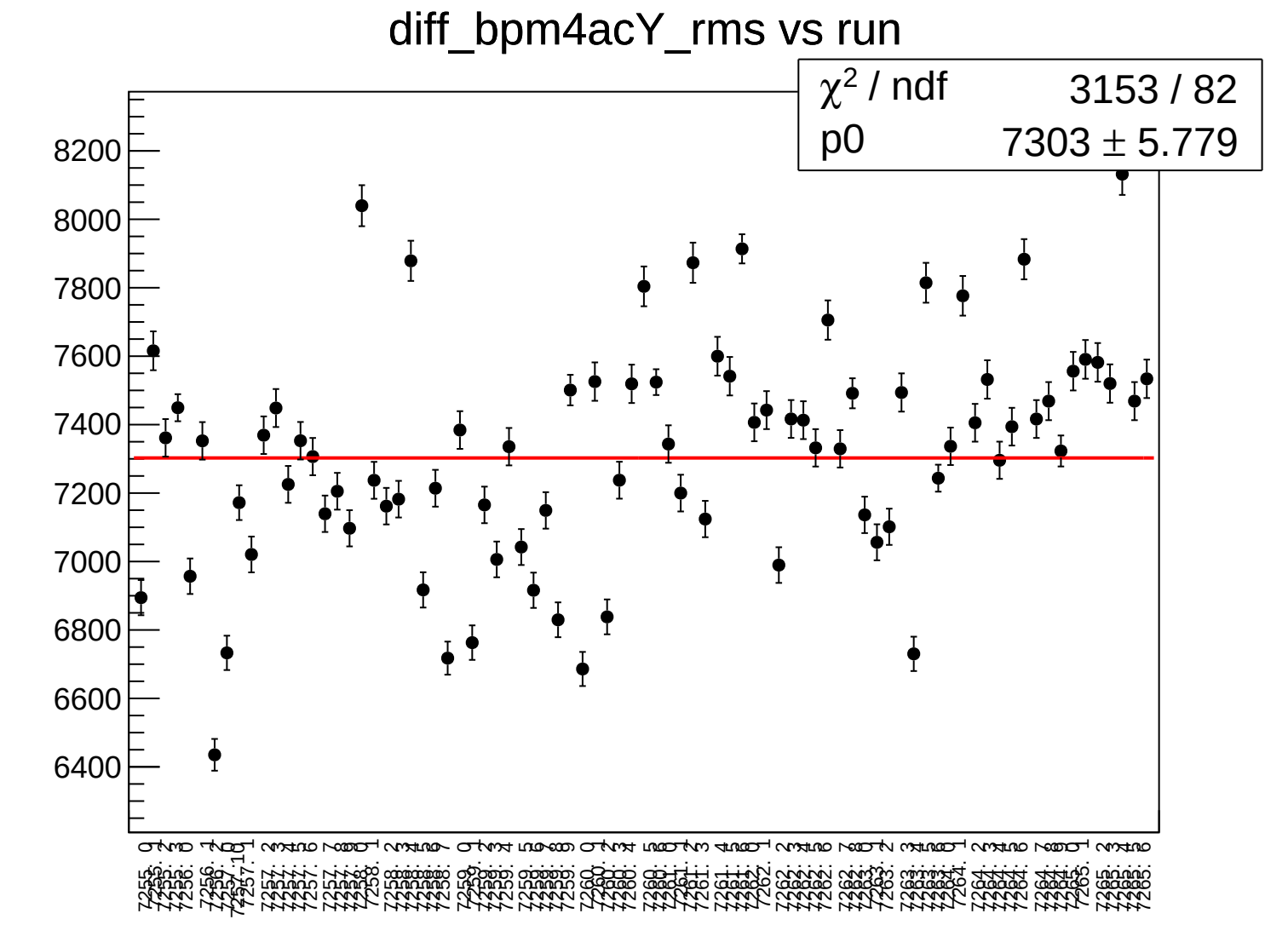

diff_bpm4acX_mean vs run
χ^2 / ndf 78.28 / 82
p0 −14.48 ± 9.408
pull
Entries 83
Mean −269.2
Std Dev 304

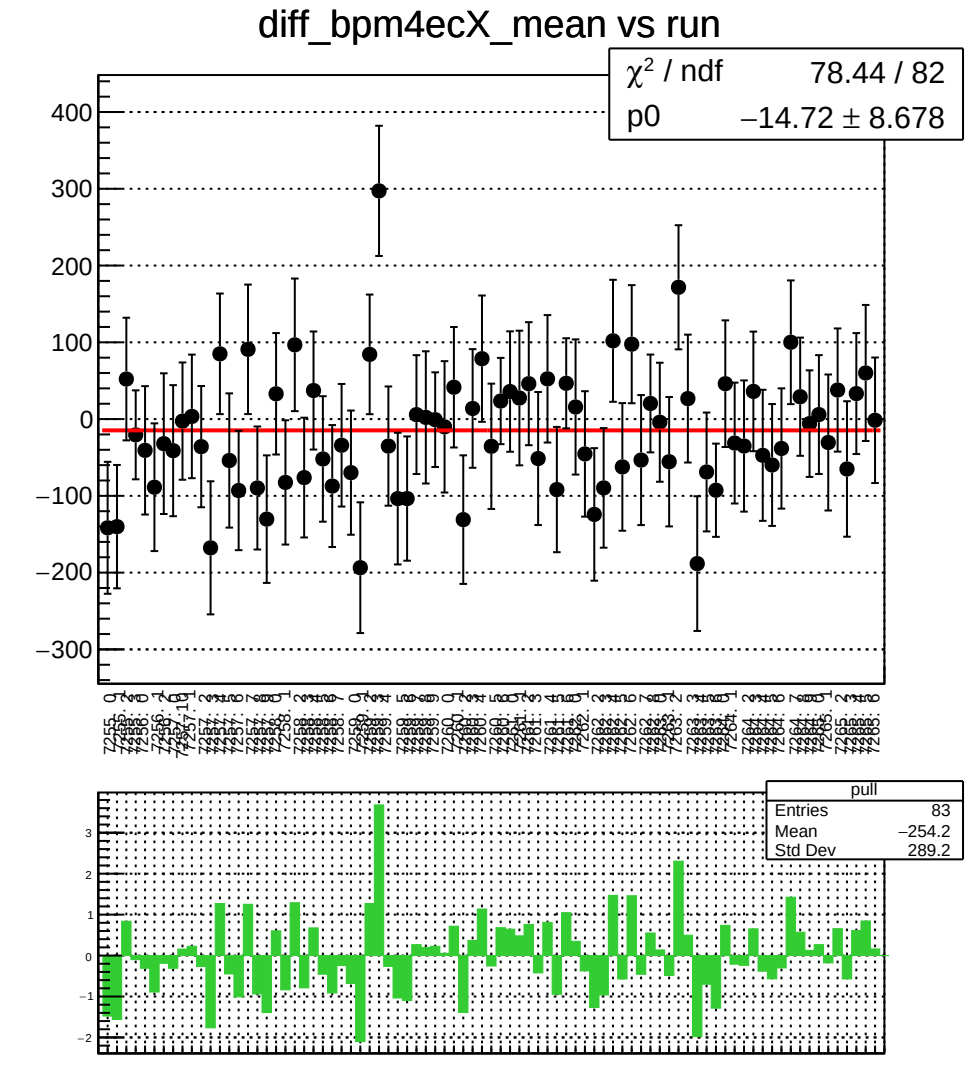

pull1D
Entries 83
Mean −0.01246
Std Dev 0.971

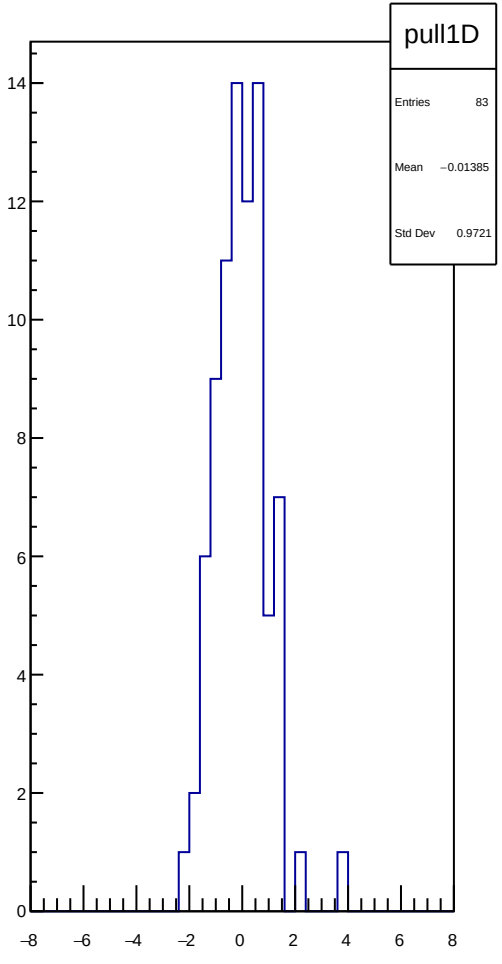

diff_bpm4acX_rms vs run
χ² / ndf 2900 / 82
p0 8406 ± 6.653
10000
9500
9000
8500
8000

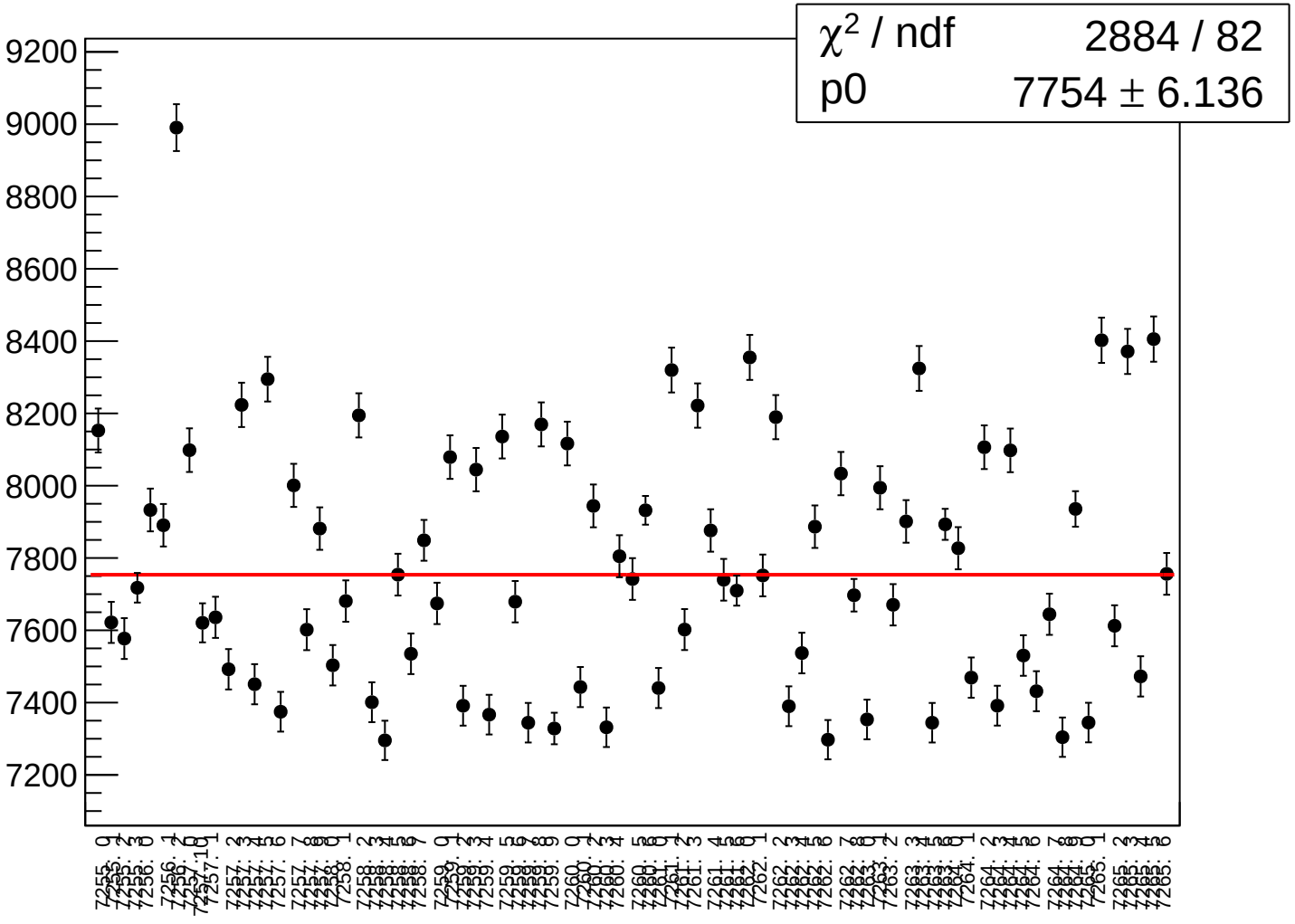

diff_bpm4acY_mean vs run
χ² / ndf 99.95 / 82
p0 2.686 ± 8.173
pull
Entries 83
Mean −42.29
Std Dev 68.65

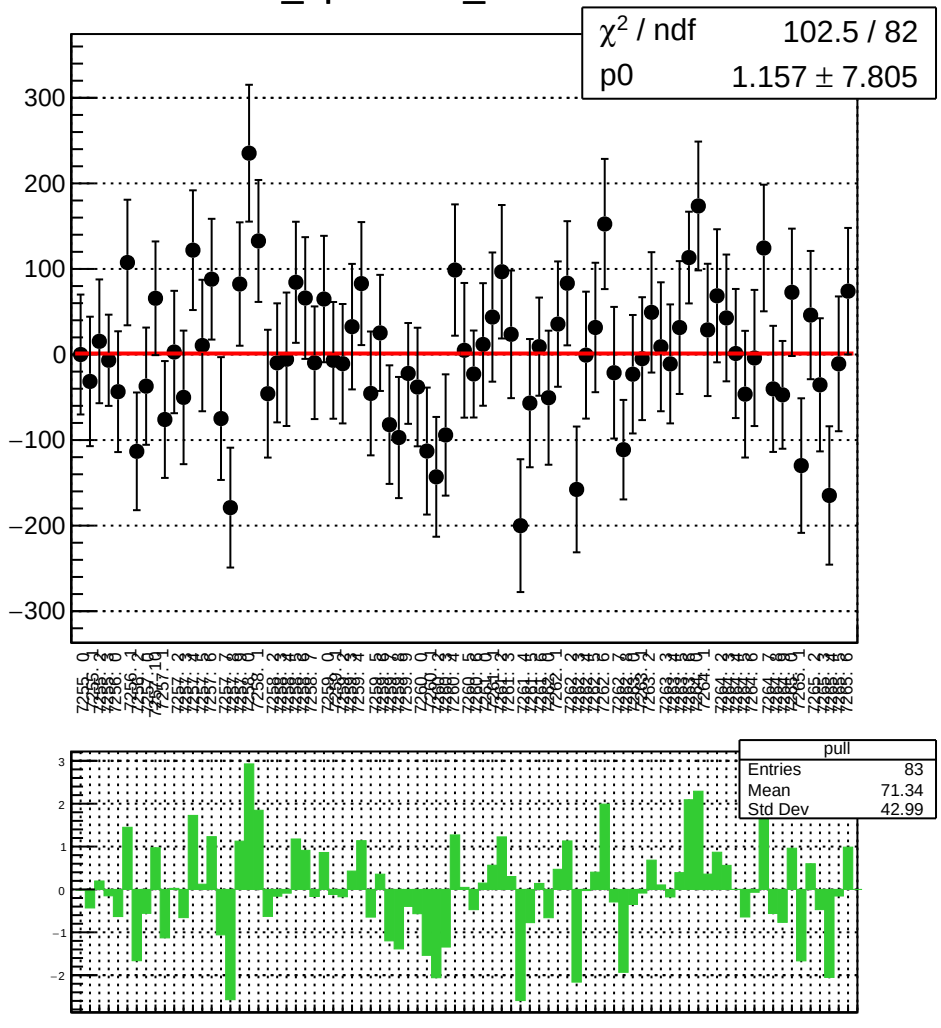

pull1D
Entries 83
Mean 0.008357
Std Dev 1.097

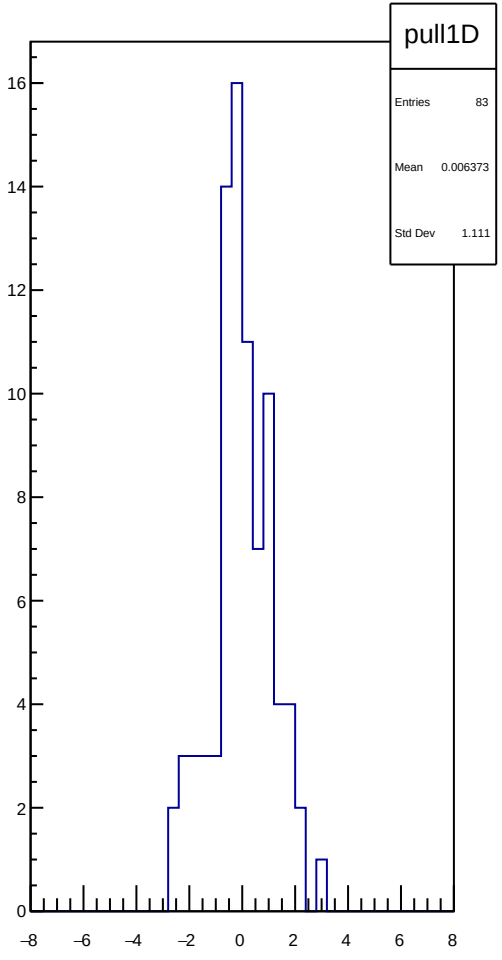

diff_bpm4acY_rms vs run
χ² / ndf 3153 / 82
p0 7303 ± 5.779
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

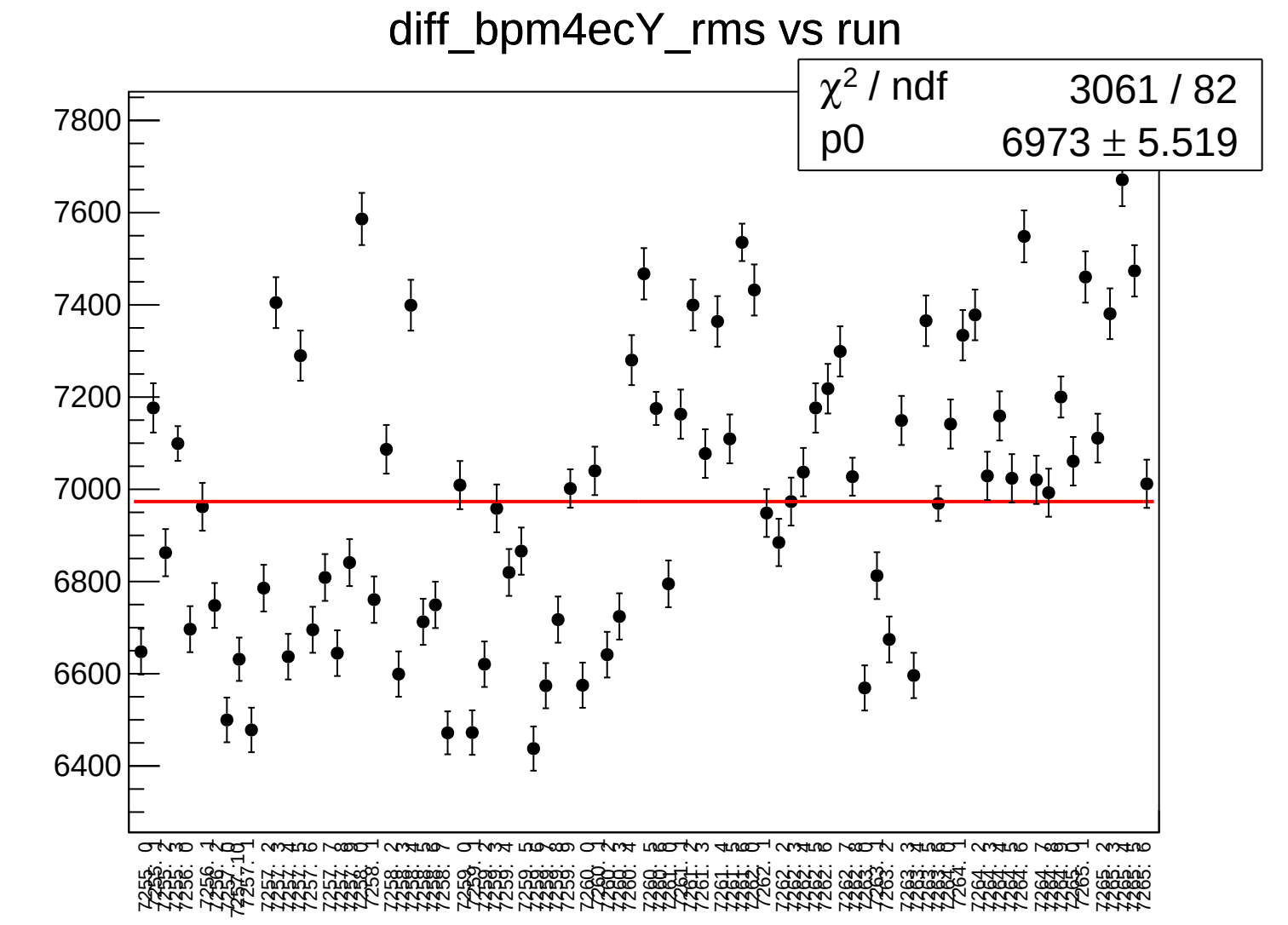

diff_bpm4ecX_mean vs run
χ^2 / ndf 78.44 / 82
p0 −14.72 ± 8.678
pull
Entries 83
Mean −254.2
Std Dev 289.2

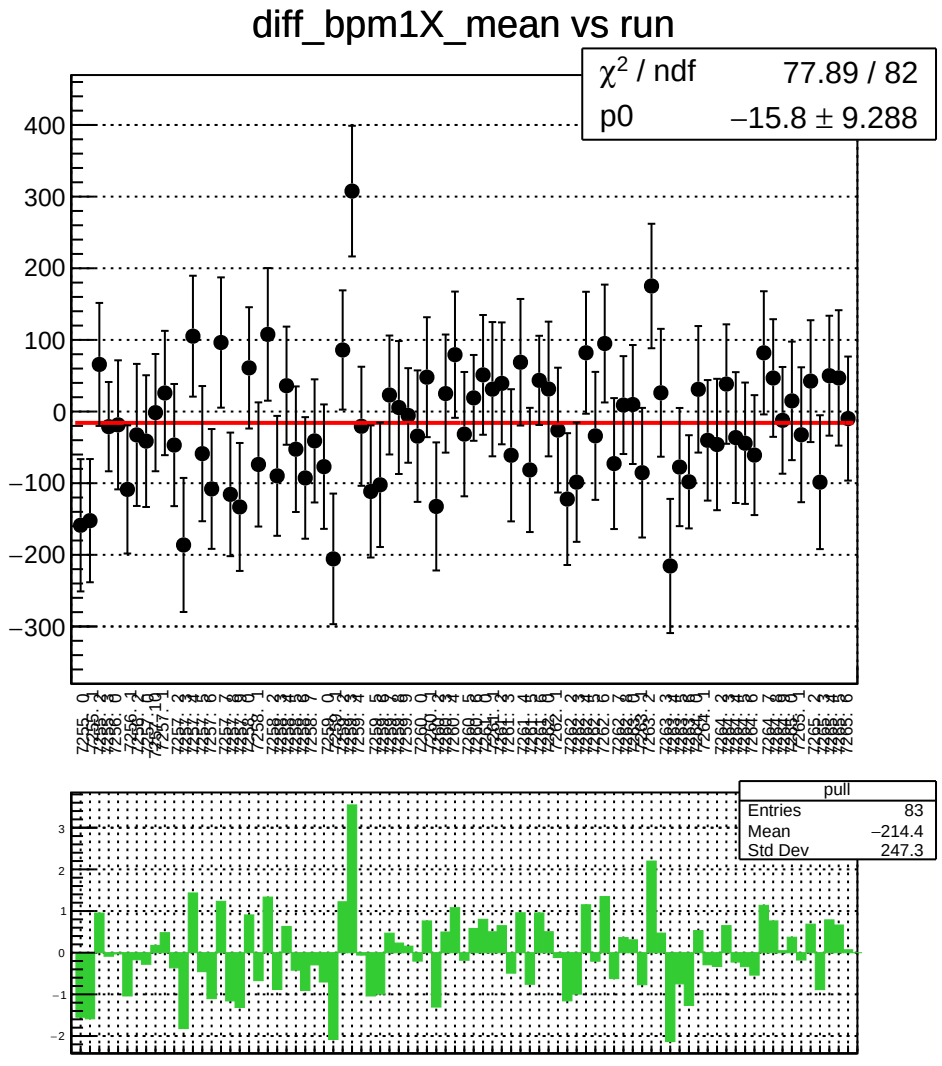

pull1D
Entries 83
Mean −0.01385
Std Dev 0.9721

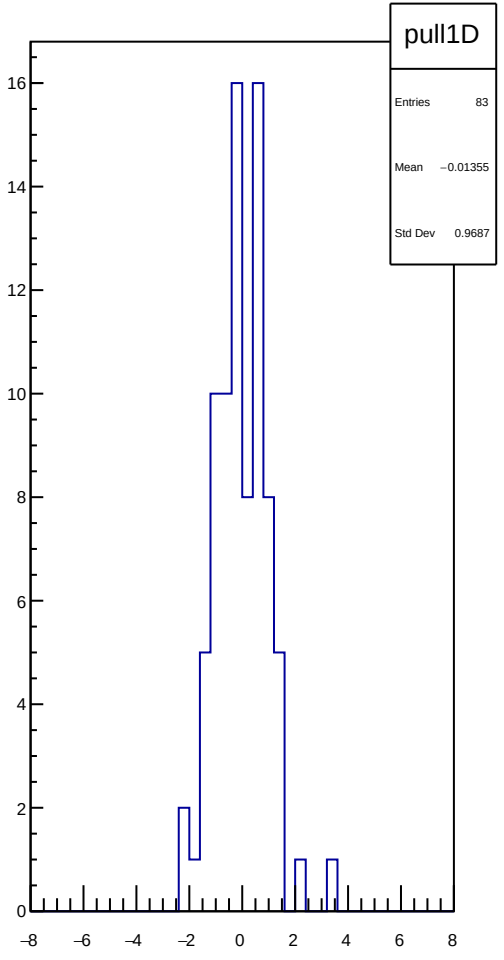

diff_bpm4ecX_rms vs run
χ² / ndf 2884 / 82
p0 7754 ± 6.136
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

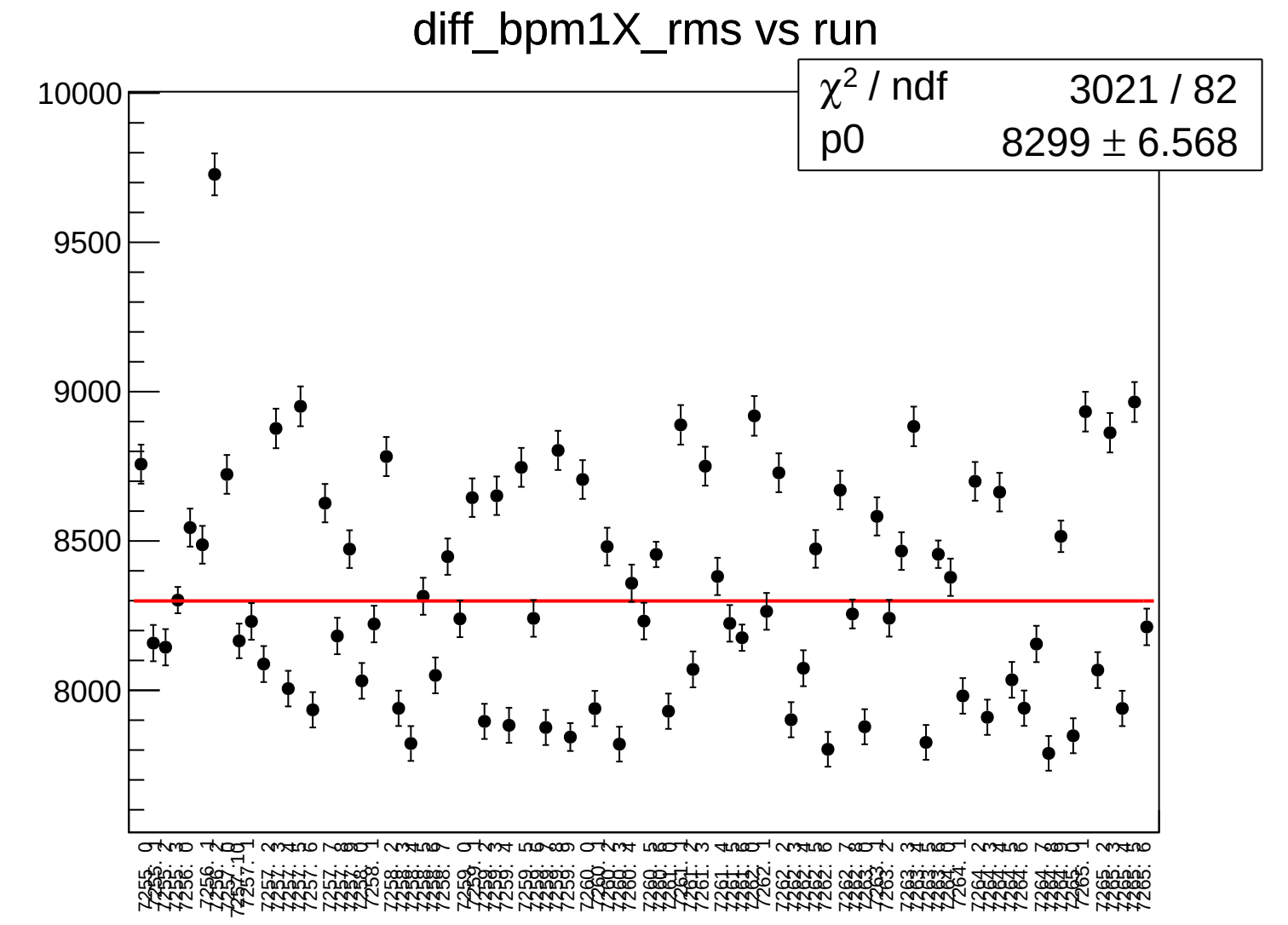

diff_bpm4ecY_mean vs run
χ² / ndf 102.5 / 82
p0 1.157 ± 7.805
pull
Entries 83
Mean 71.34
Std Dev 42.99

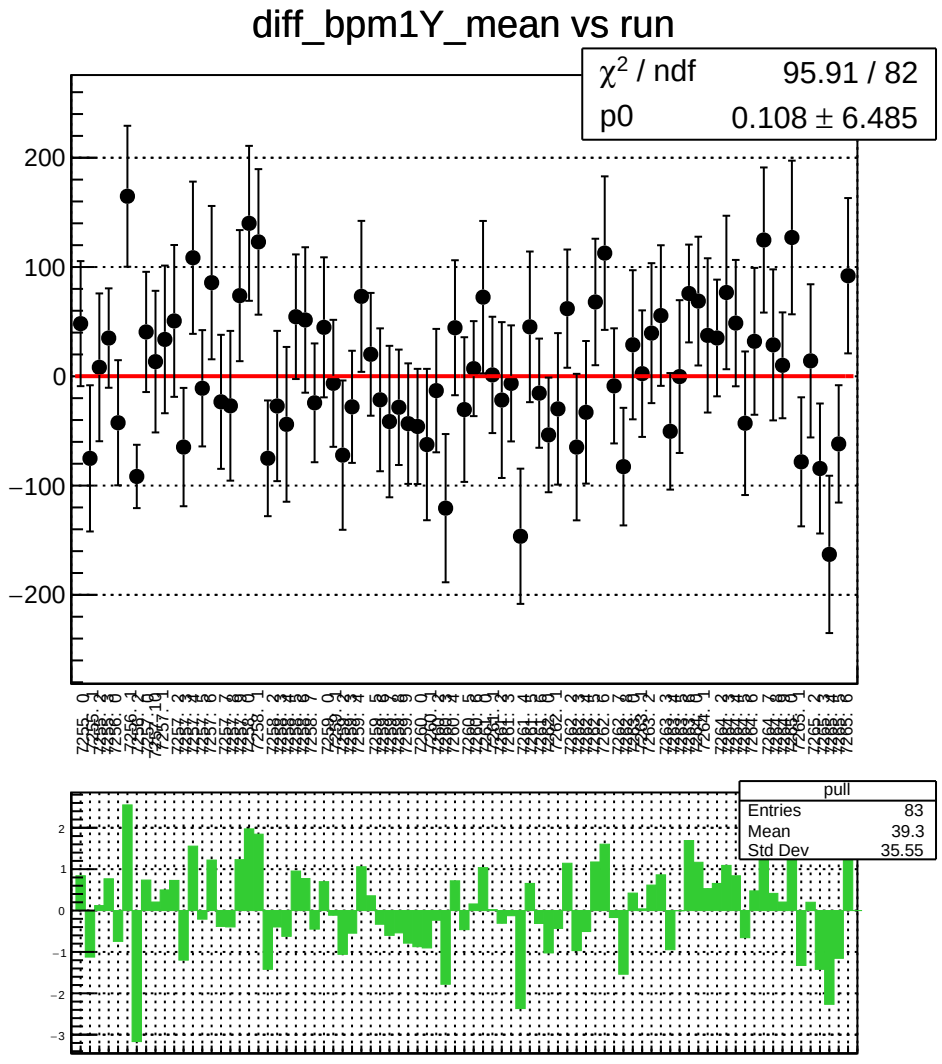

pull1D
Entries 83
Mean 0.006373
Std Dev 1.111

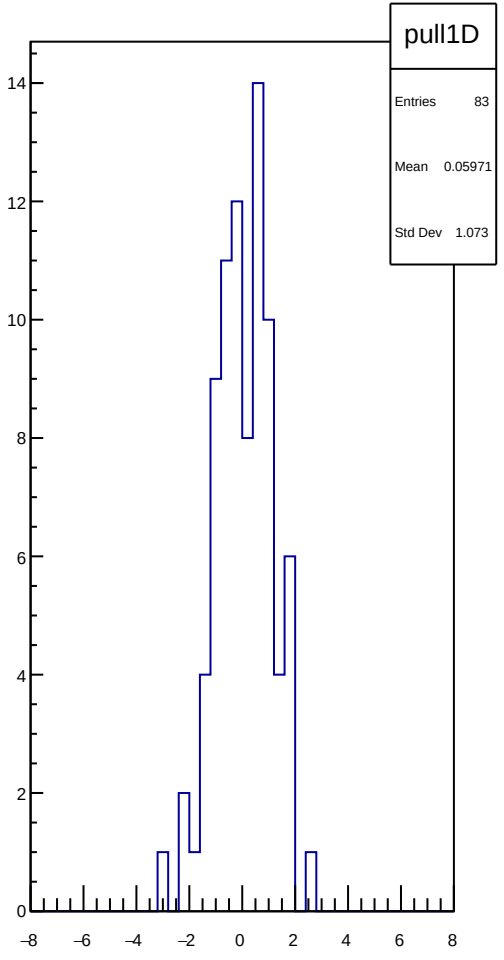

diff_bpm4ecY_rms vs run
χ² / ndf 3061 / 82
p0 6973 ± 5.519
7800
7600
7400
7200
7000
6800
6600
6400

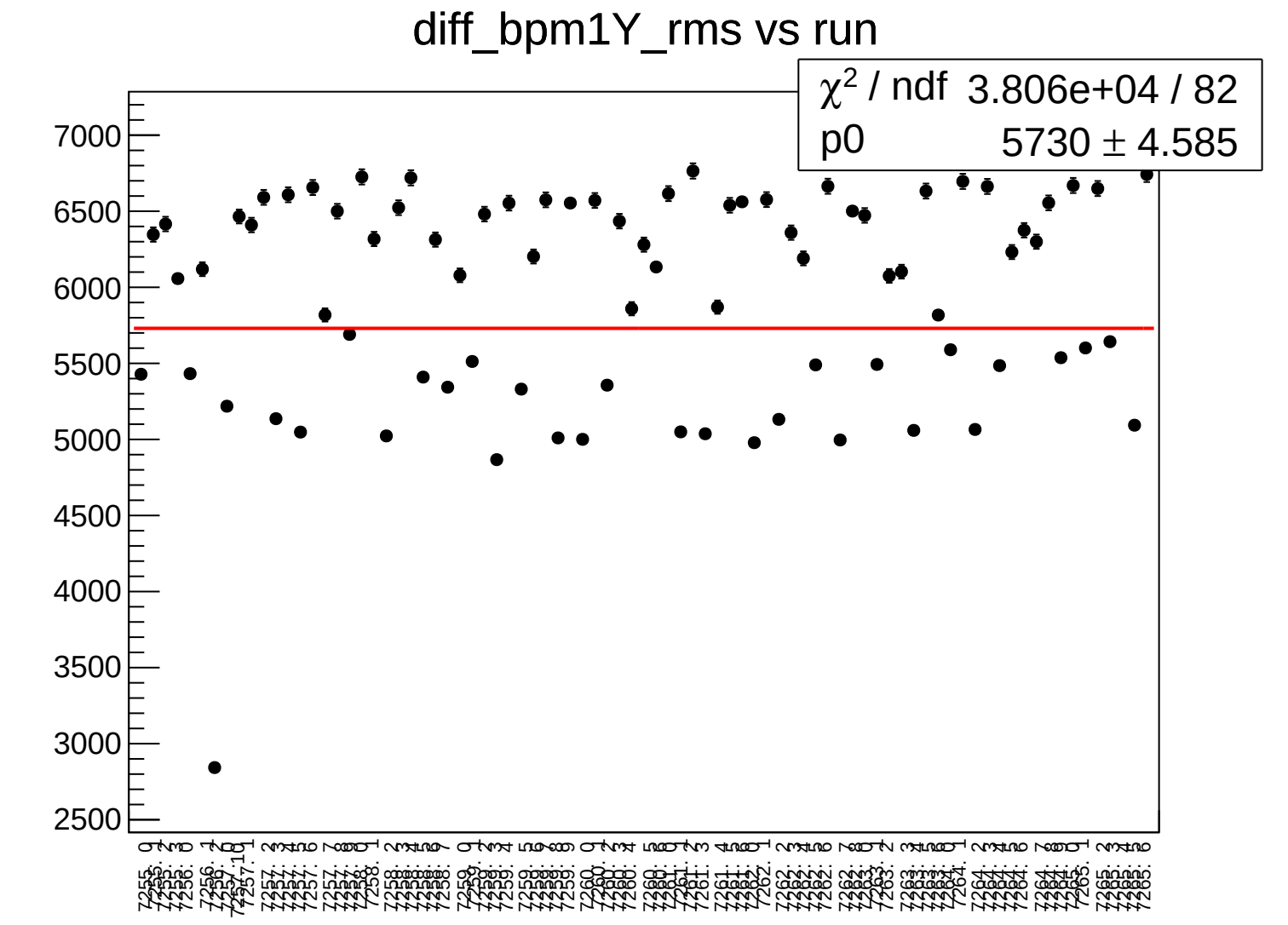

diff_bpm1X_mean vs run
χ² / ndf 77.89 / 82
p0 −15.8 ± 9.288
pull
Entries 83
Mean −214.4
Std Dev 247.3

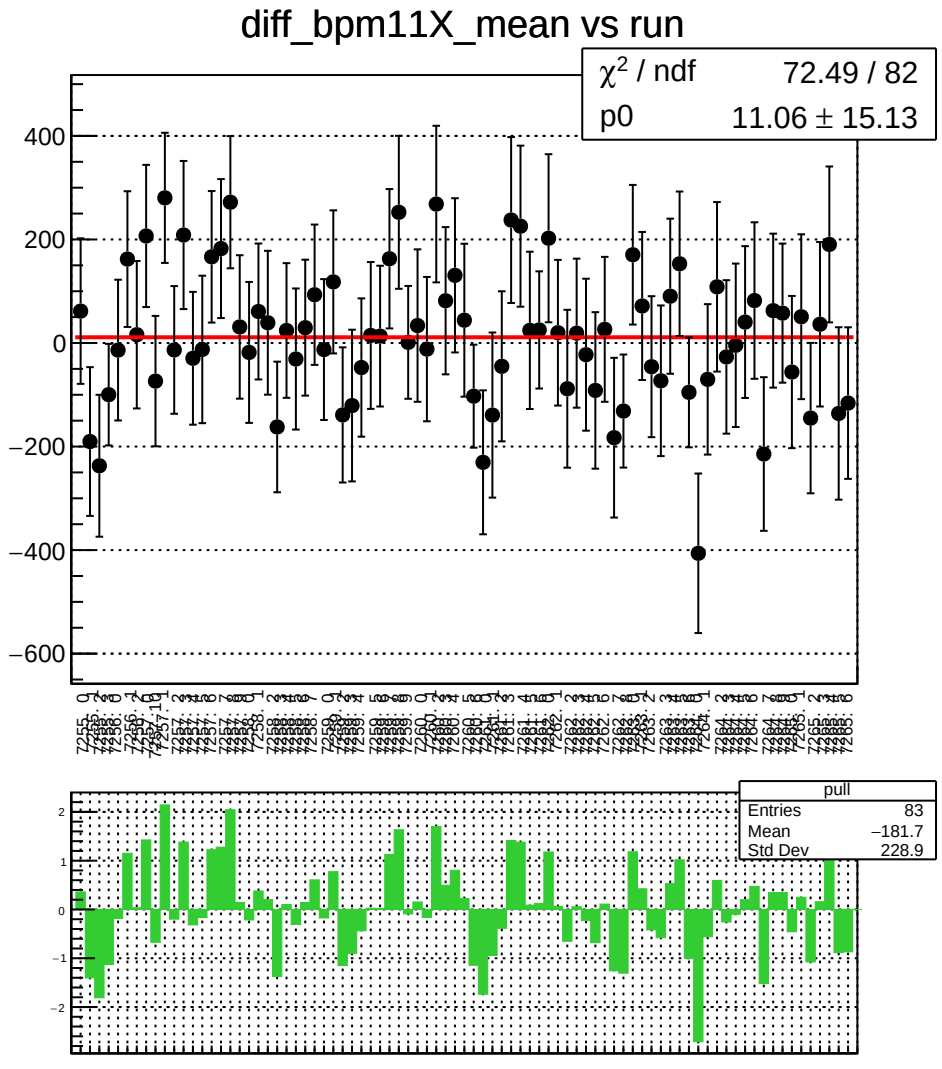

pull1D
Entries 83
Mean −0.01355
Std Dev 0.9687

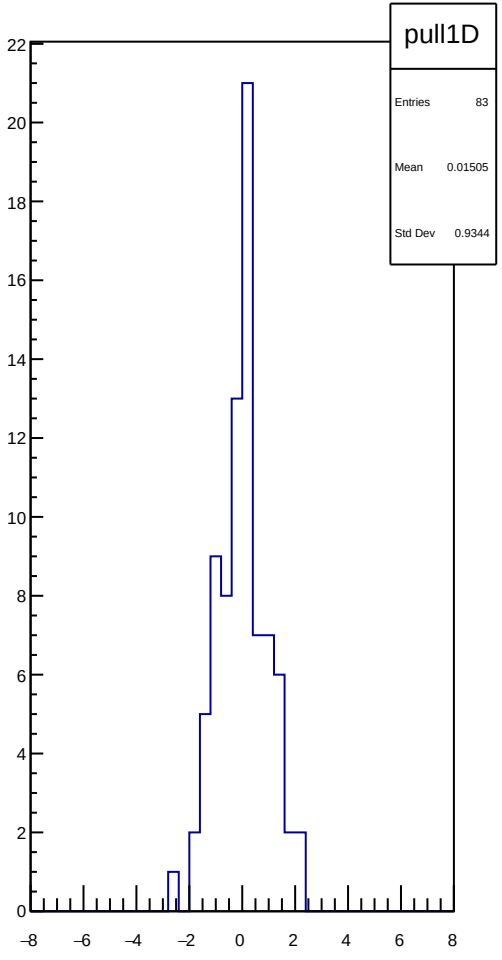

diff_bpm1X_rms vs run
χ² / ndf 3021 / 82
p0 8299 ± 6.568
10000
9500
9000
8500
8000

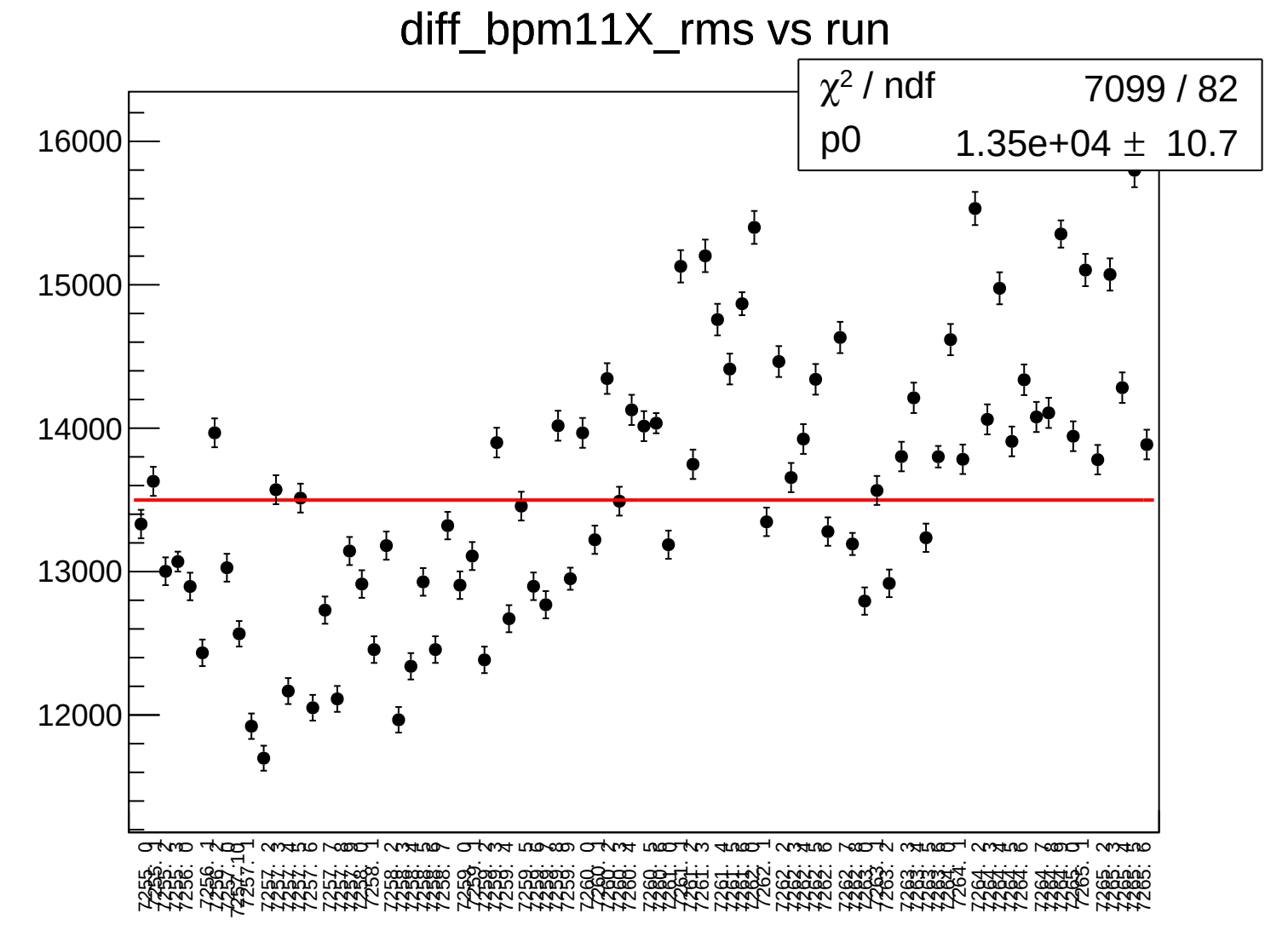

diff_bpm1Y_mean vs run
χ^2 / ndf 95.91 / 82
p0 0.108 ± 6.485
pull
Entries 83
Mean 39.3
Std Dev 35.55

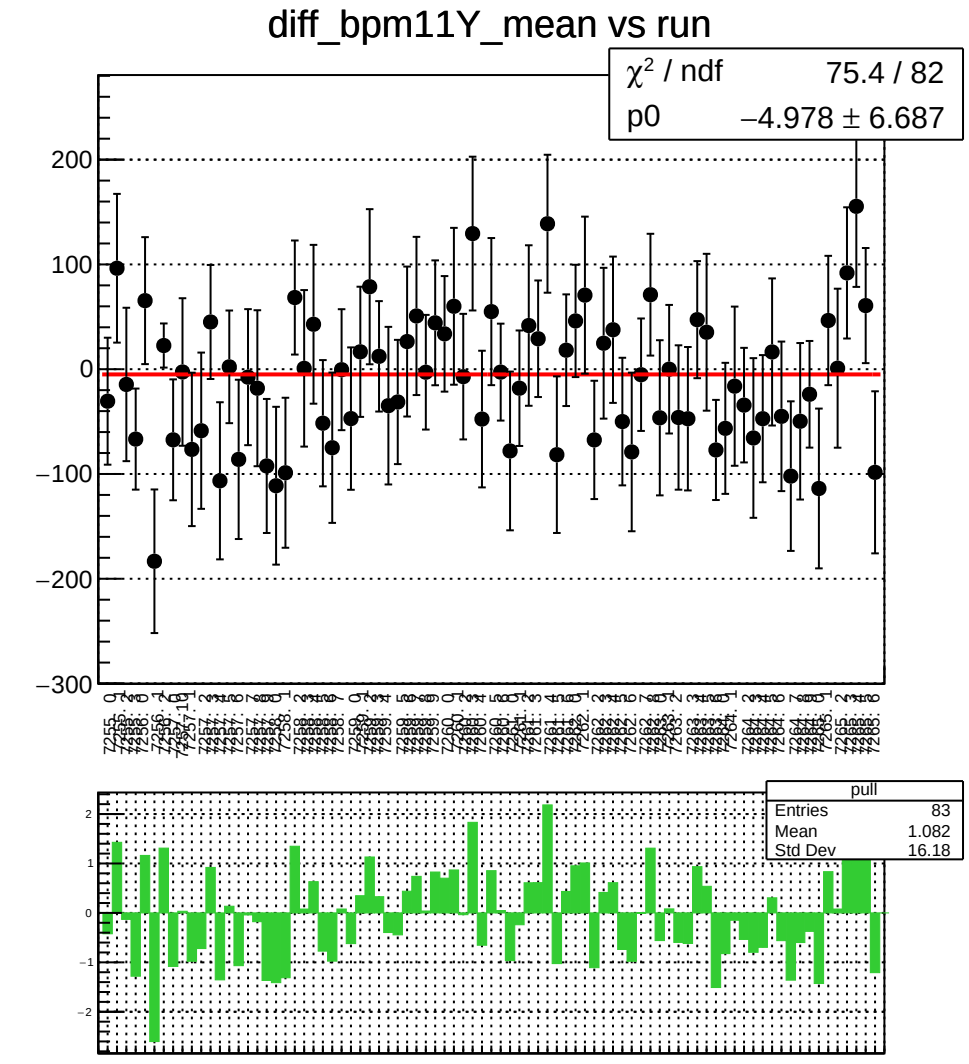

pull1D
Entries 83
Mean 0.05971
Std Dev 1.073

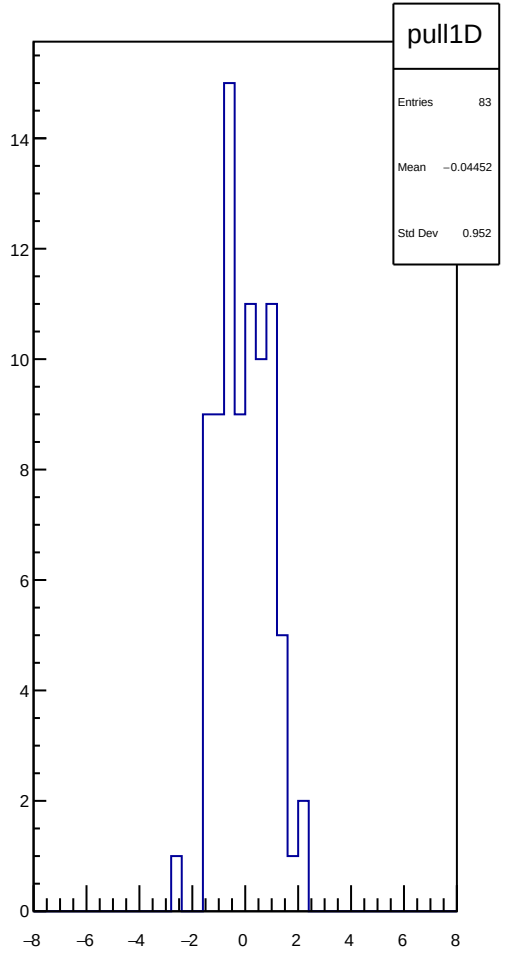

diff_bpm1Y_rms vs run
χ² / ndf 3.806e+04 / 82
p0 5730 ± 4.585
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500

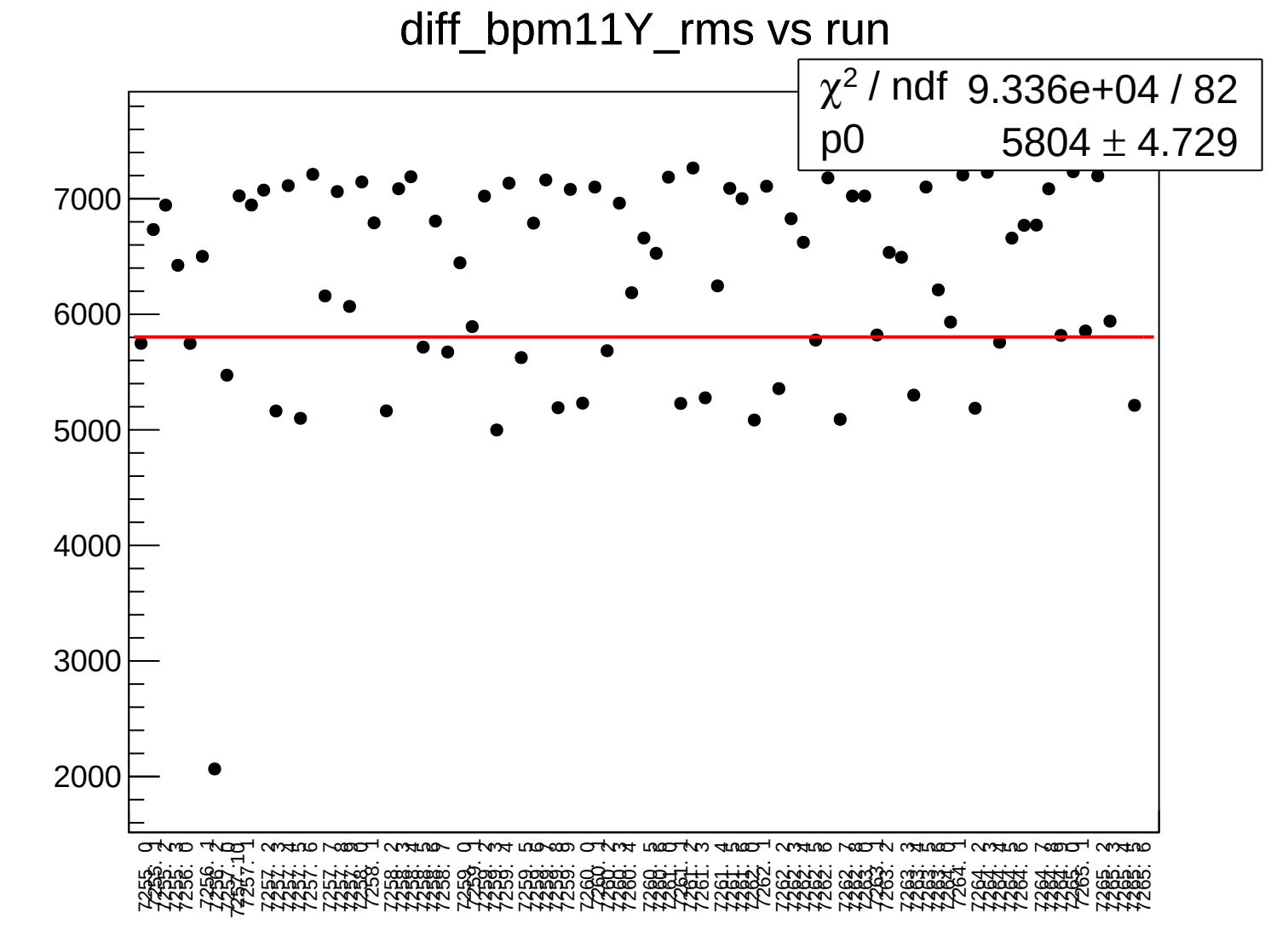

diff_bpm11X_mean vs run
χ^2 / ndf 72.49 / 82
p0 11.06 ± 15.13
pull
Entries 83
Mean −181.7
Std Dev 228.9

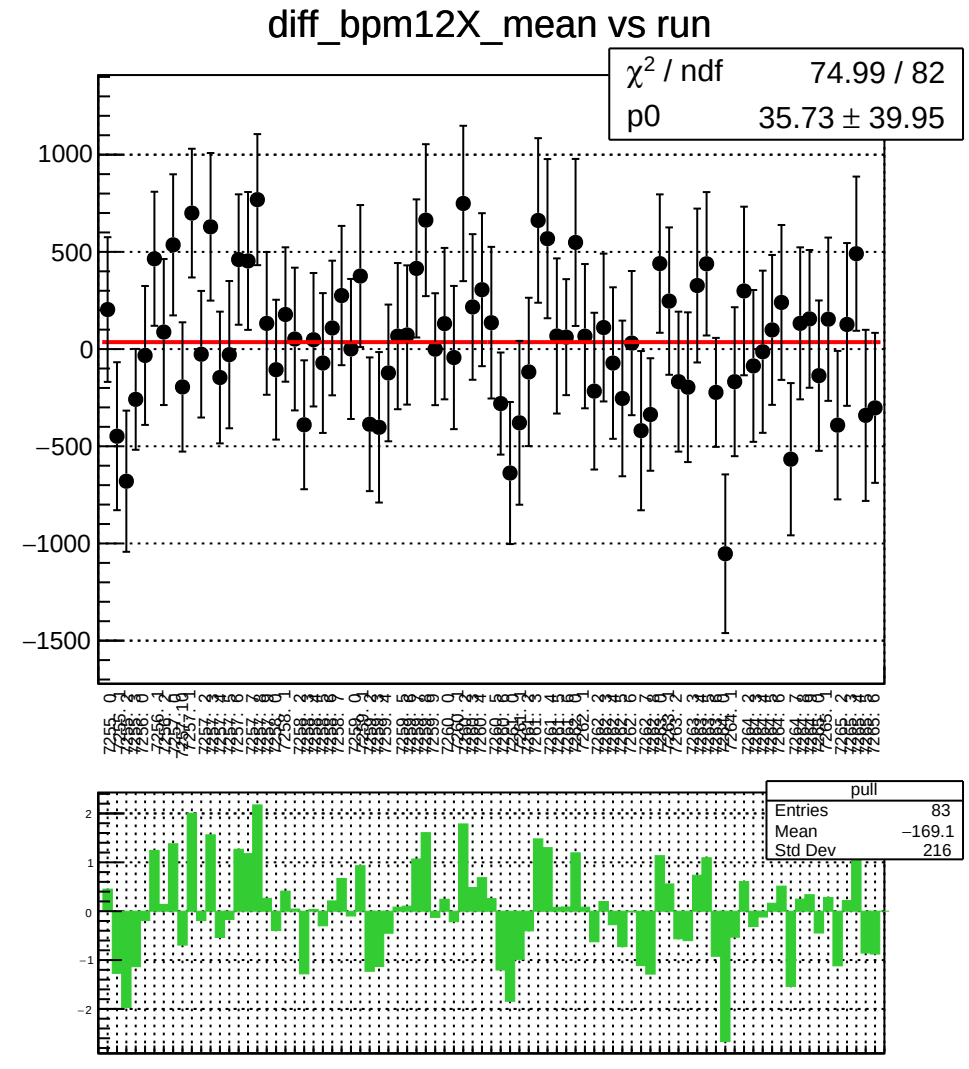

pull1D
Entries 83
Mean 0.01505
Std Dev 0.9344

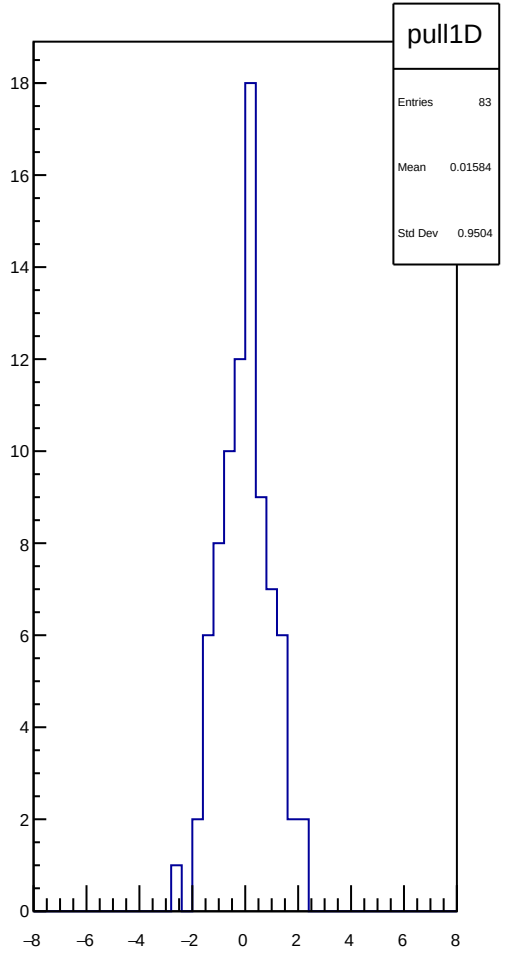

diff_bpm11X_rms vs run
χ² / ndf 7099 / 82
p0 1.35e+04 ± 10.7
16000
15000
14000
13000
12000

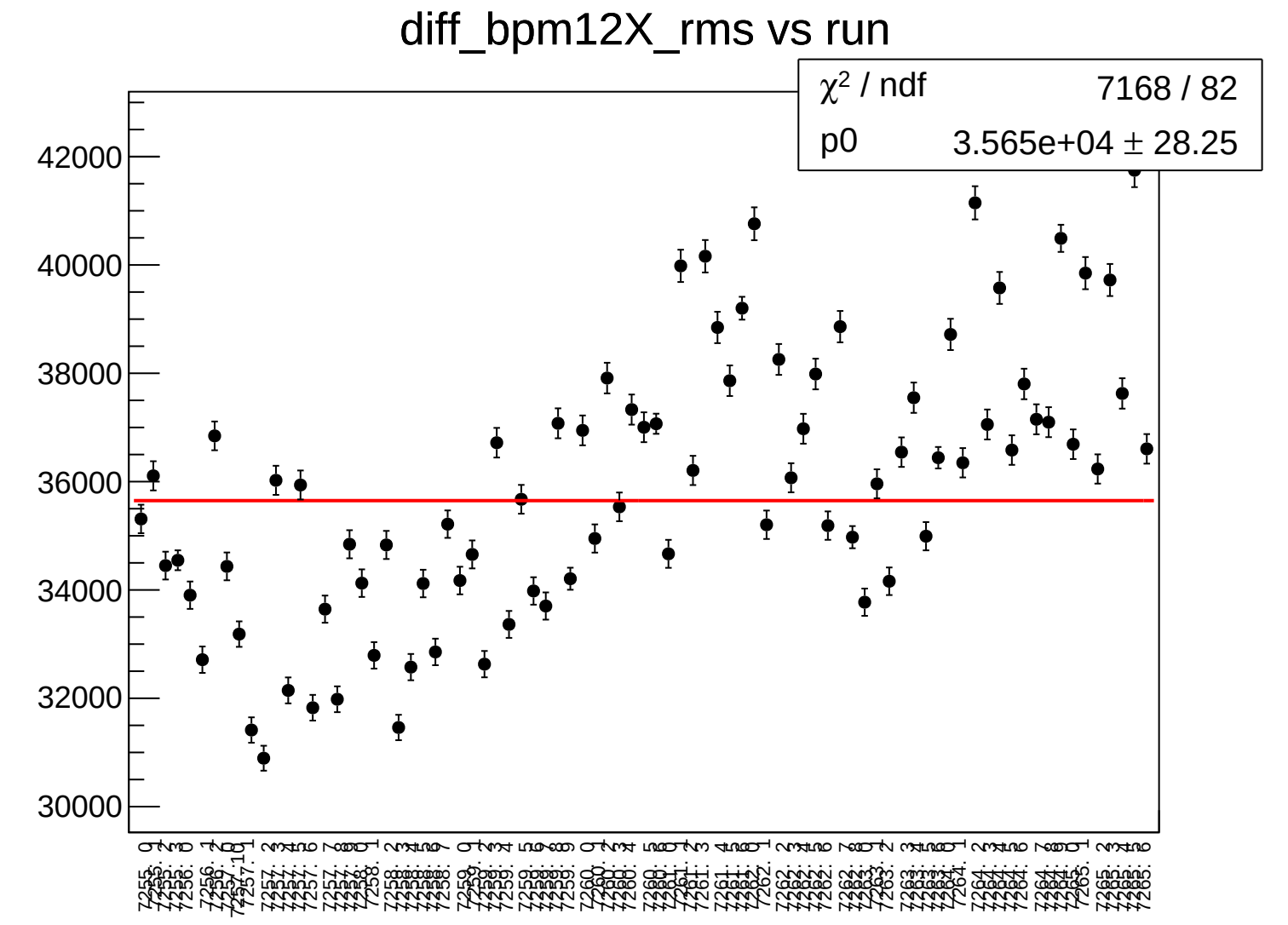

diff_bpm11Y_mean vs run
χ² / ndf 75.4 / 82
p0 −4.978 ± 6.687
pull
Entries 83
Mean 1.082
Std Dev 16.18

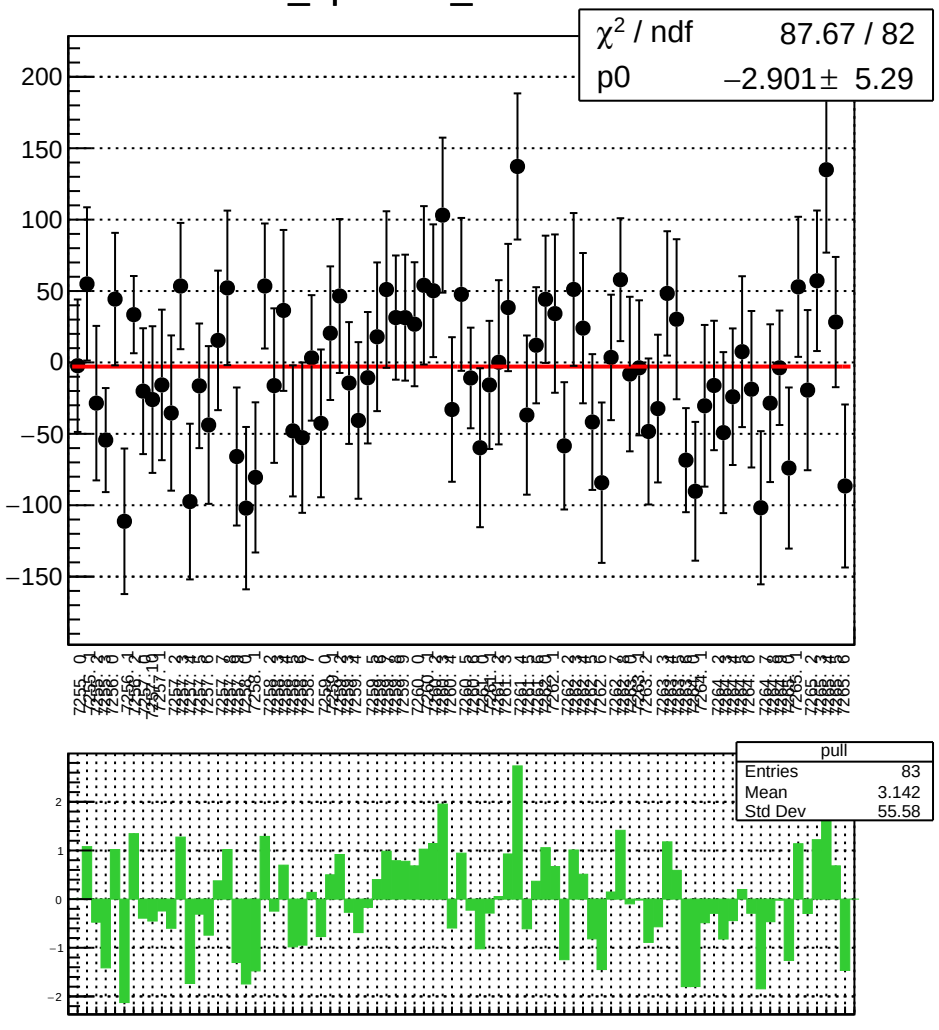

pull1D
Entries 83
Mean −0.04452
Std Dev 0.952

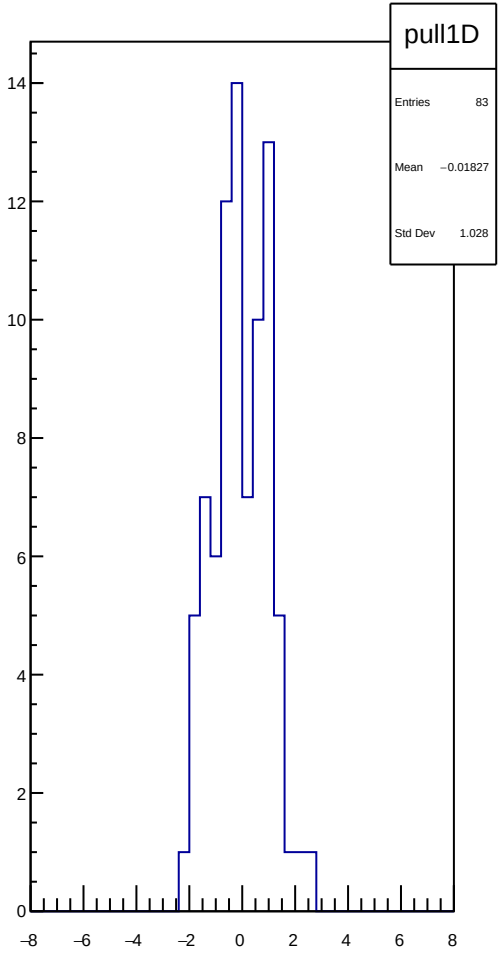

diff_bpm11Y_rms vs run
χ^2 / ndf 9.336e+04 / 82
p0 5804 ± 4.729
7000
6000
5000
4000
3000
2000

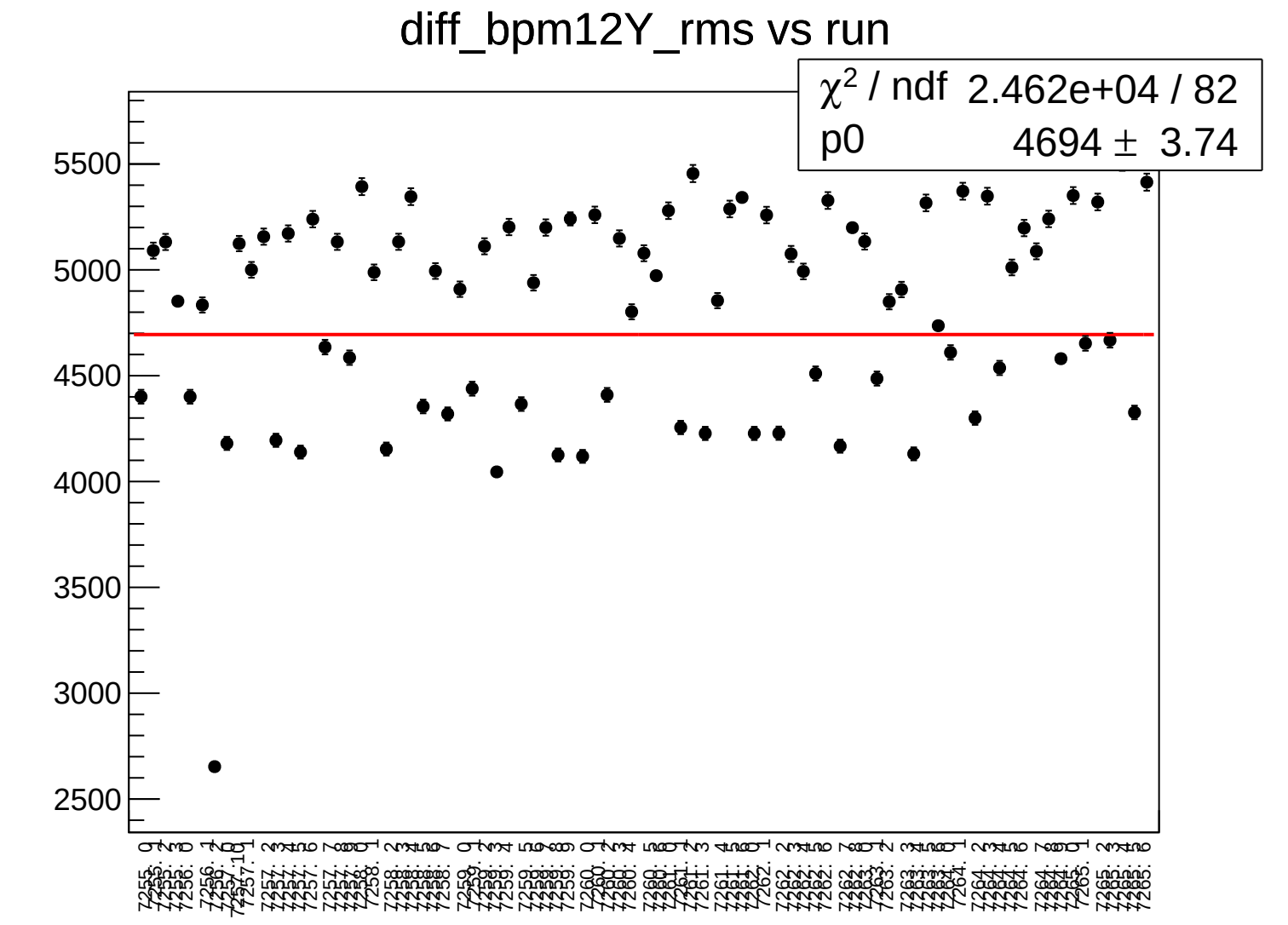

diff_bpm12X_mean vs run
χ² / ndf 74.99 / 82
p0 35.73 ± 39.95
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean −169.1
Std Dev 216
2
1
0
−1

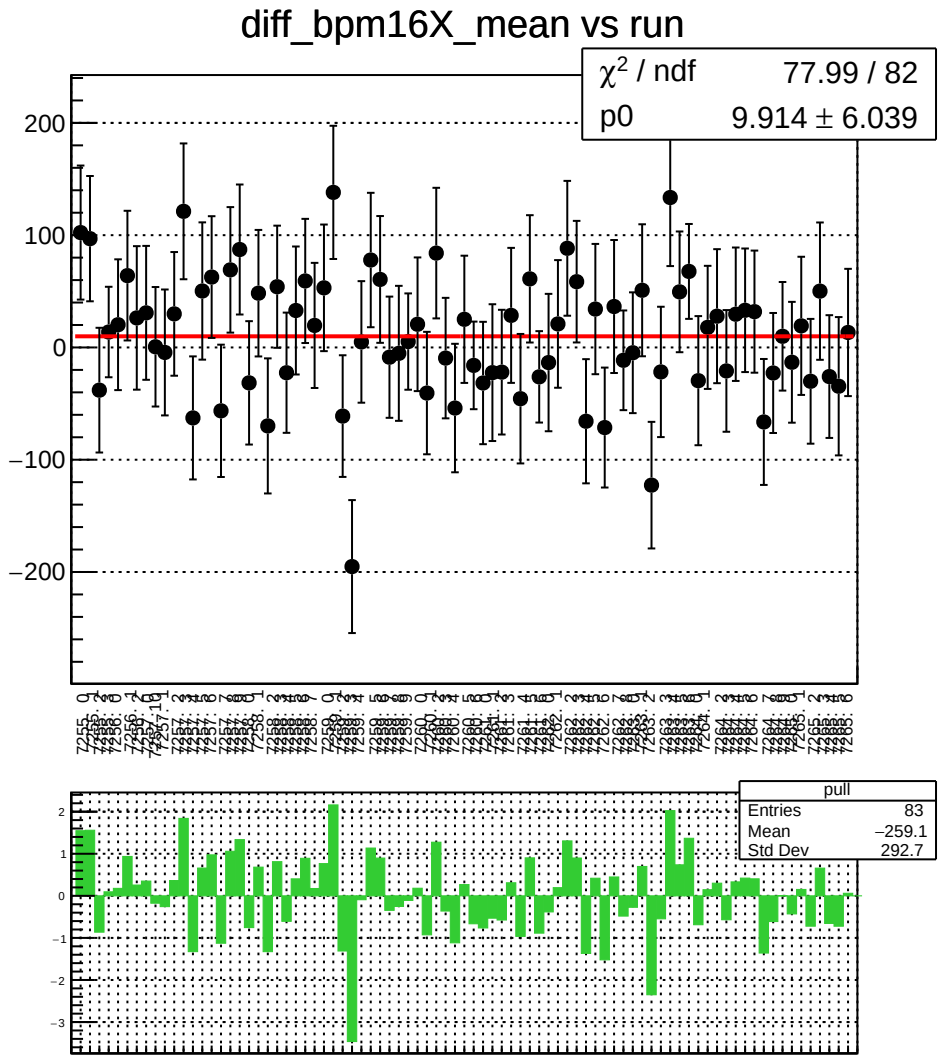

pull1D
Entries 83
Mean 0.01584
Std Dev 0.9504
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

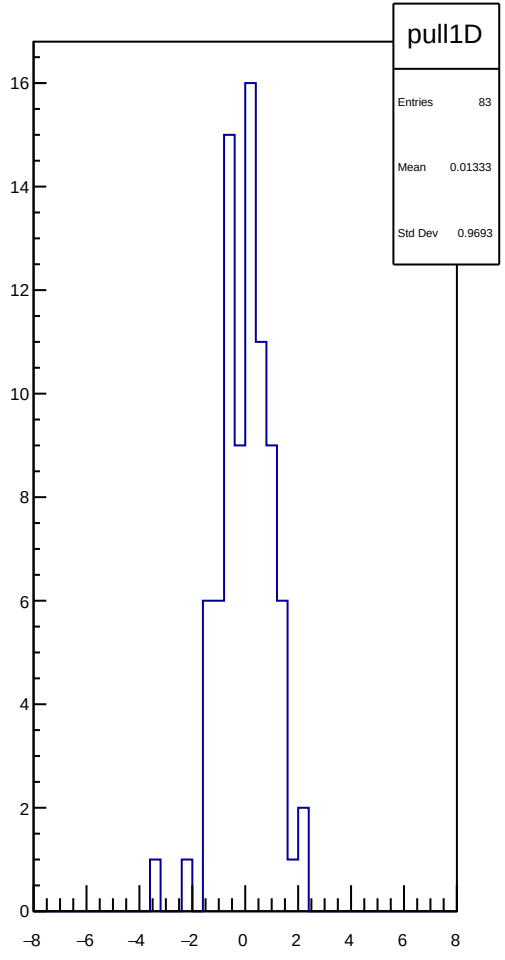

diff_bpm12X_rms vs run
χ² / ndf 7168 / 82
p0 3.565e+04 ± 28.25
42000
40000
38000
36000
34000
32000
30000

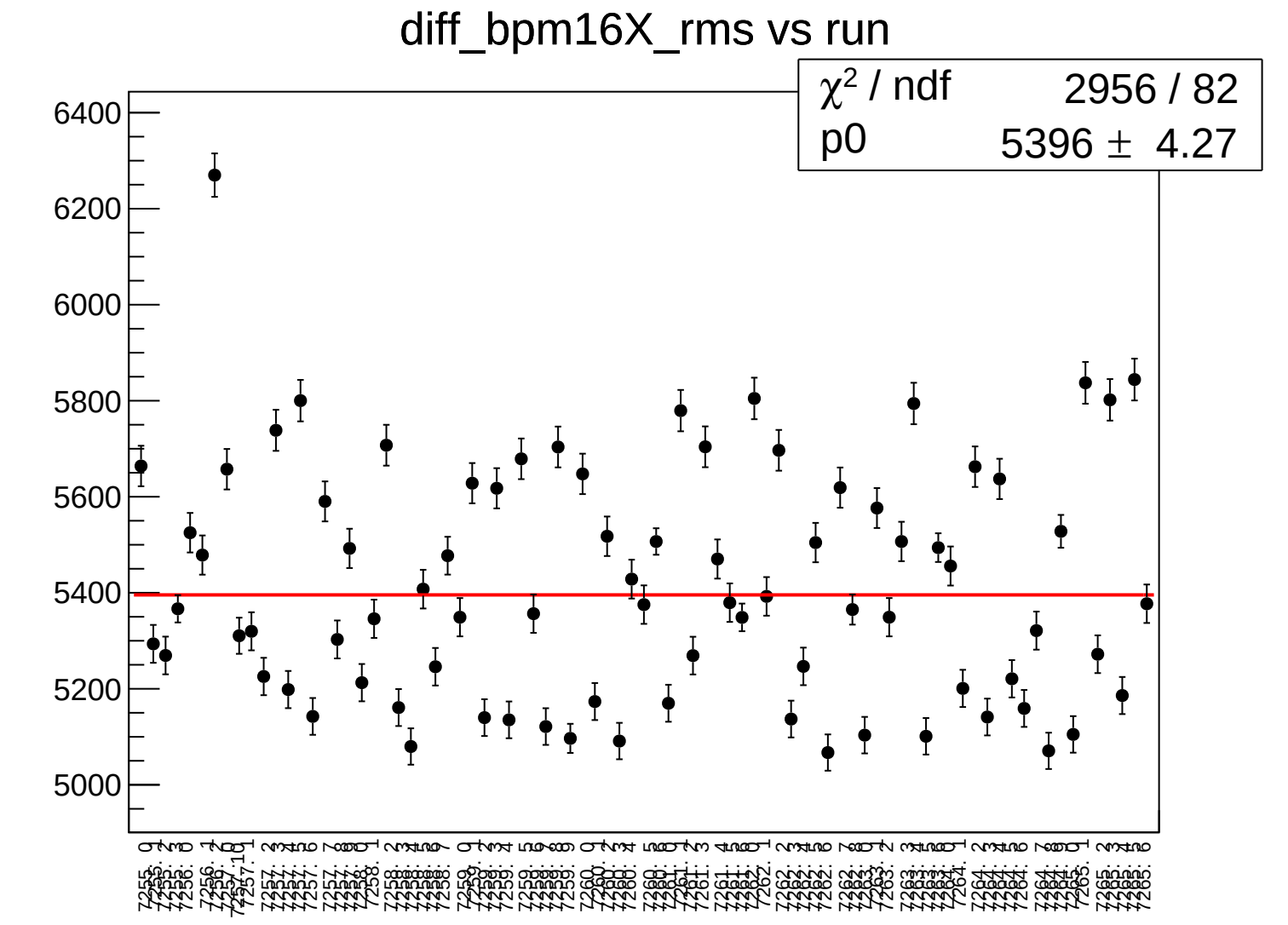

diff_bpm12Y_mean vs run
χ² / ndf 87.67 / 82
p0 −2.901 ± 5.29
pull
Entries 83
Mean 3.142
Std Dev 55.58

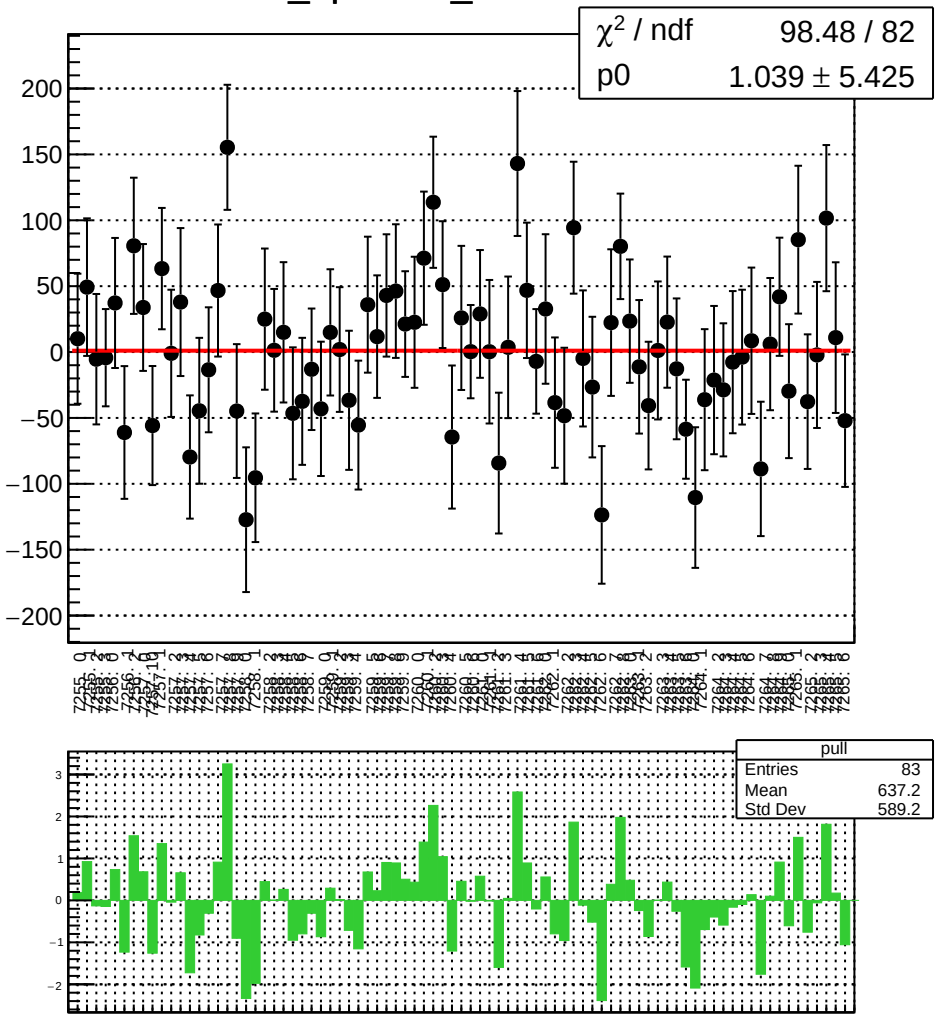

pull1D
Entries 83
Mean −0.01827
Std Dev 1.028

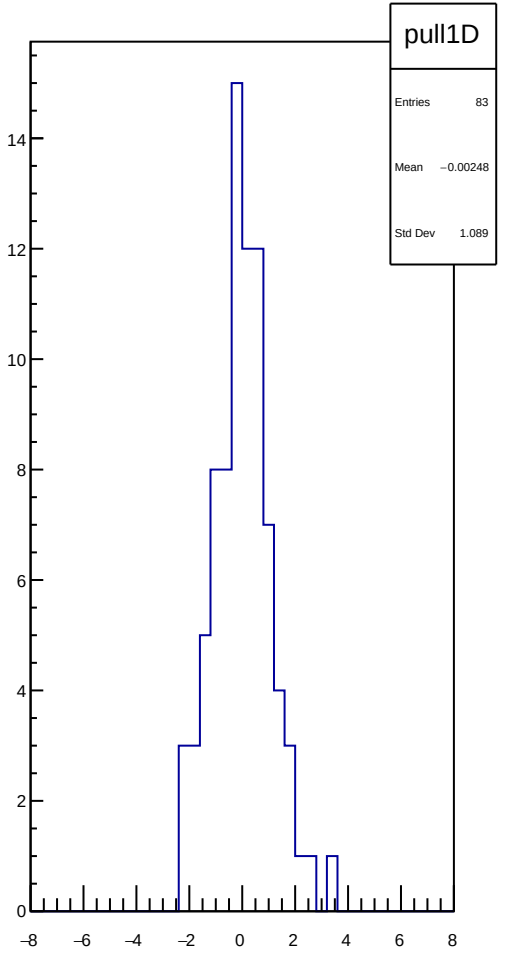

diff_bpm12Y_rms vs run
χ² / ndf 2.462e+04 / 82
p0 4694 ± 3.74
5500
5000
4500
4000
3500
3000
2500

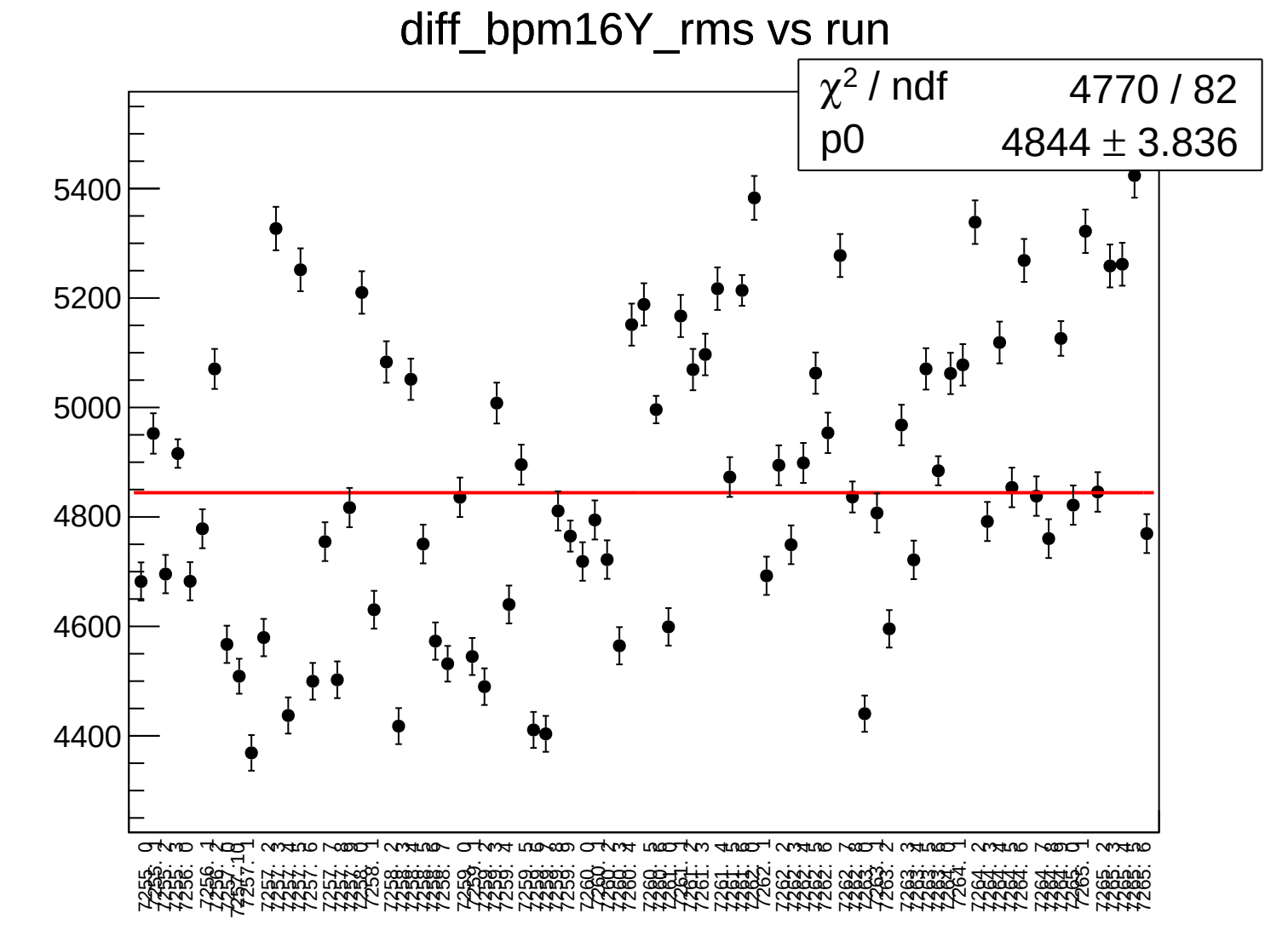

diff_bpm16X_mean vs run
χ² / ndf 77.99 / 82
p0 9.914 ± 6.039
200
100
0
−100
−200
pull
Entries 83
Mean −259.1
Std Dev 292.7
2
1
0
−1
−2
−3

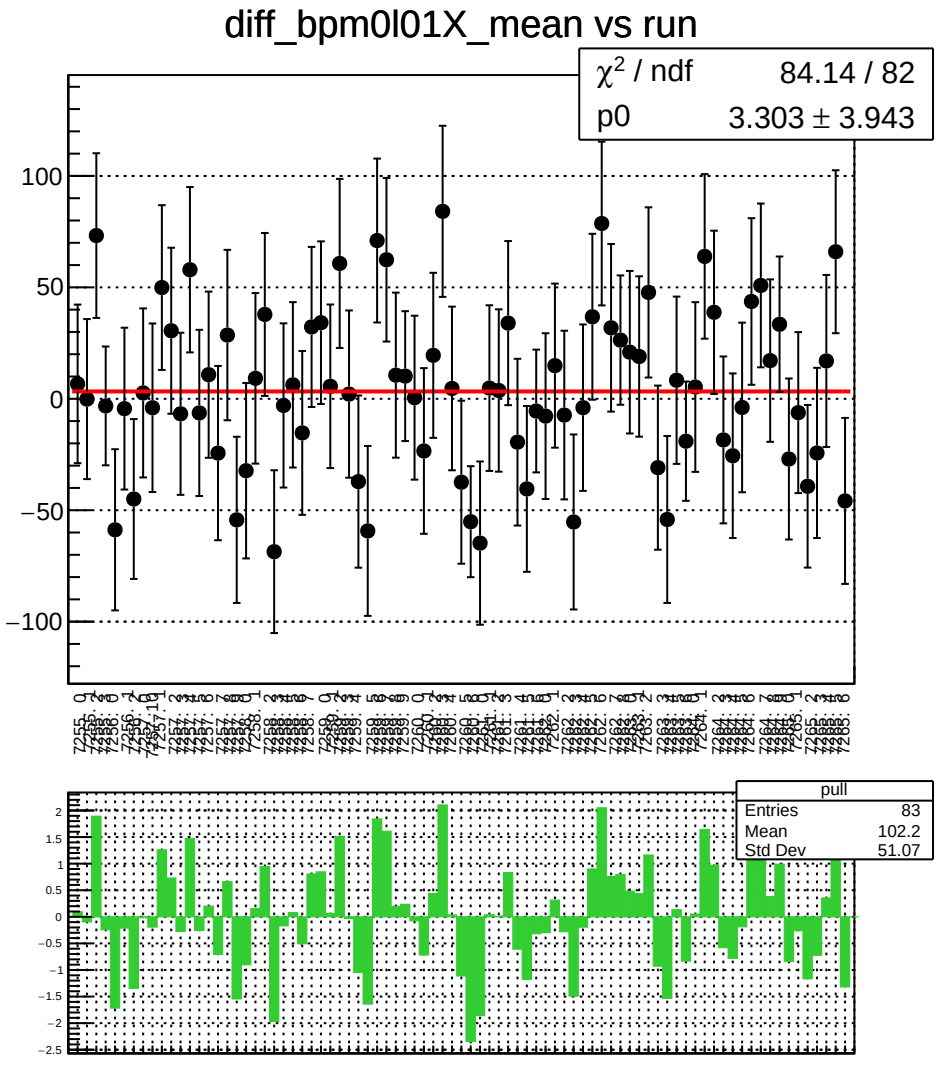

pull1D
Entries 83
Mean 0.01333
Std Dev 0.9693
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

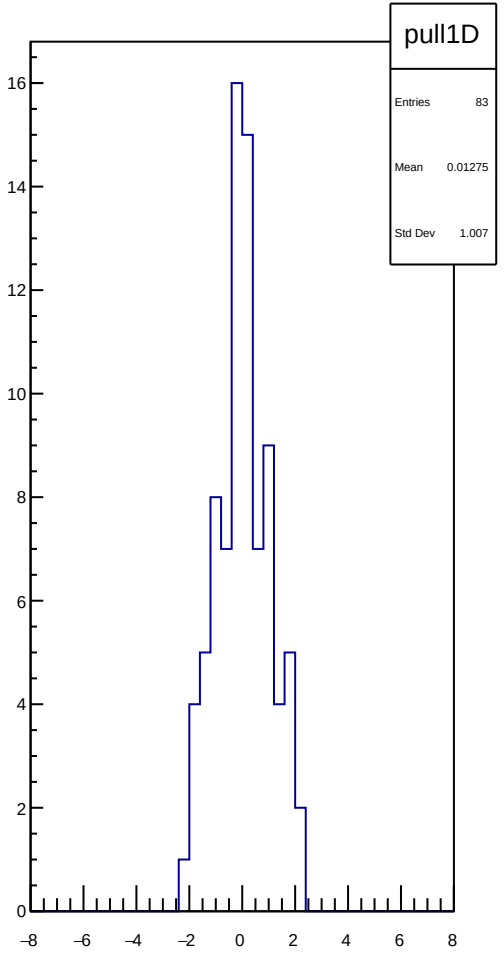

diff_bpm16X_rms vs run
χ² / ndf 2956 / 82
p0 5396 ± 4.27
6400
6200
6000
5800
5600
5400
5200
5000

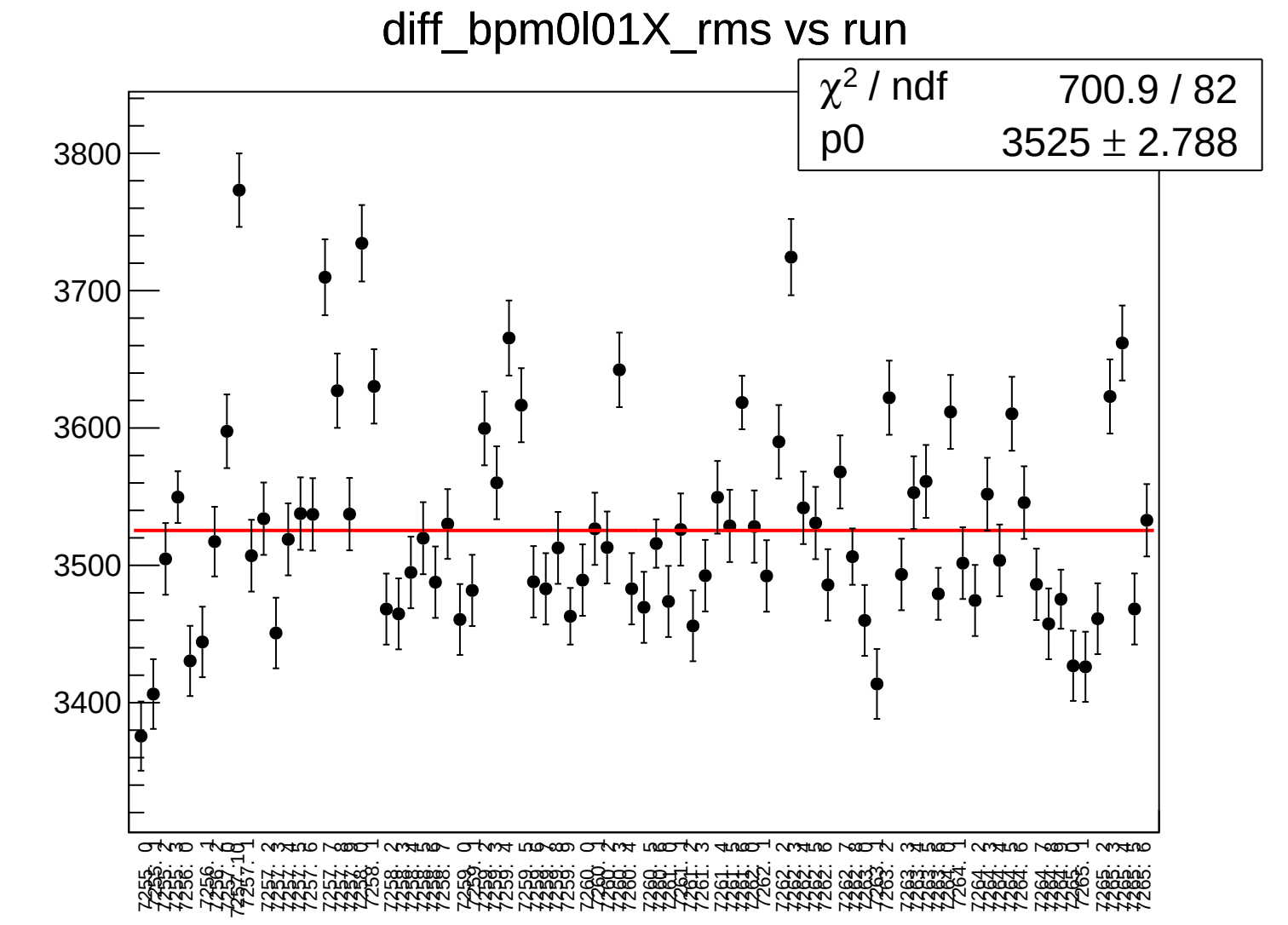

diff_bpm16Y_mean vs run
χ^2 / ndf 98.48 / 82
p0 1.039 ± 5.425
pull
Entries 83
Mean 637.2
Std Dev 589.2

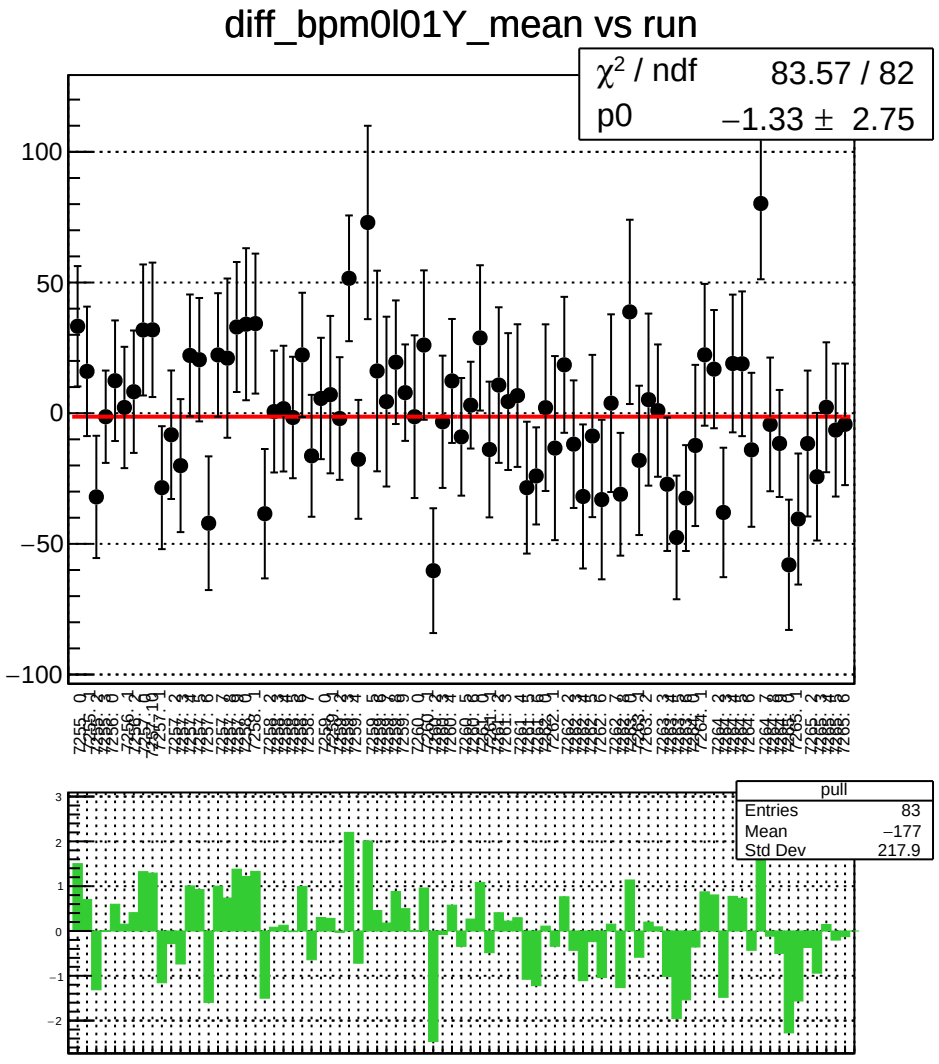

pull1D
Entries 83
Mean −0.00248
Std Dev 1.089

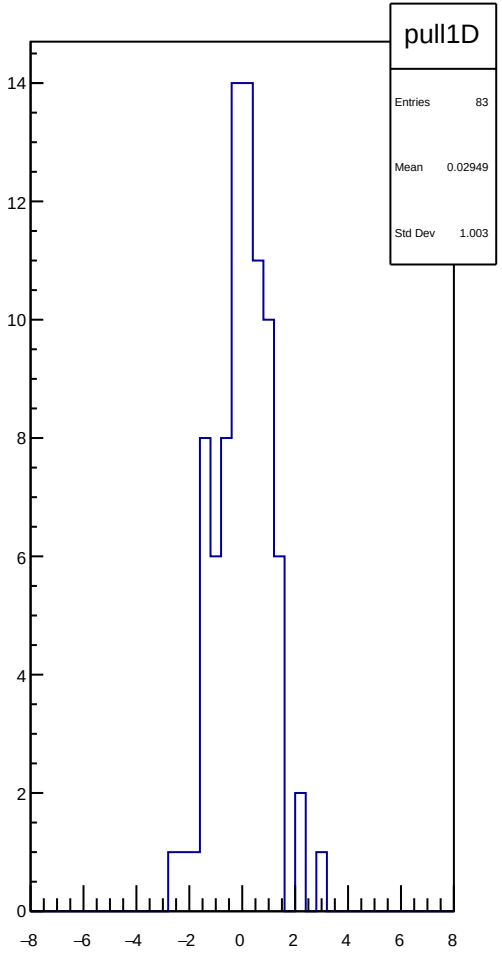

diff_bpm16Y_rms vs run
χ² / ndf 4770 / 82
p0 4844 ± 3.836
5400
5200
5000
4800
4600
4400

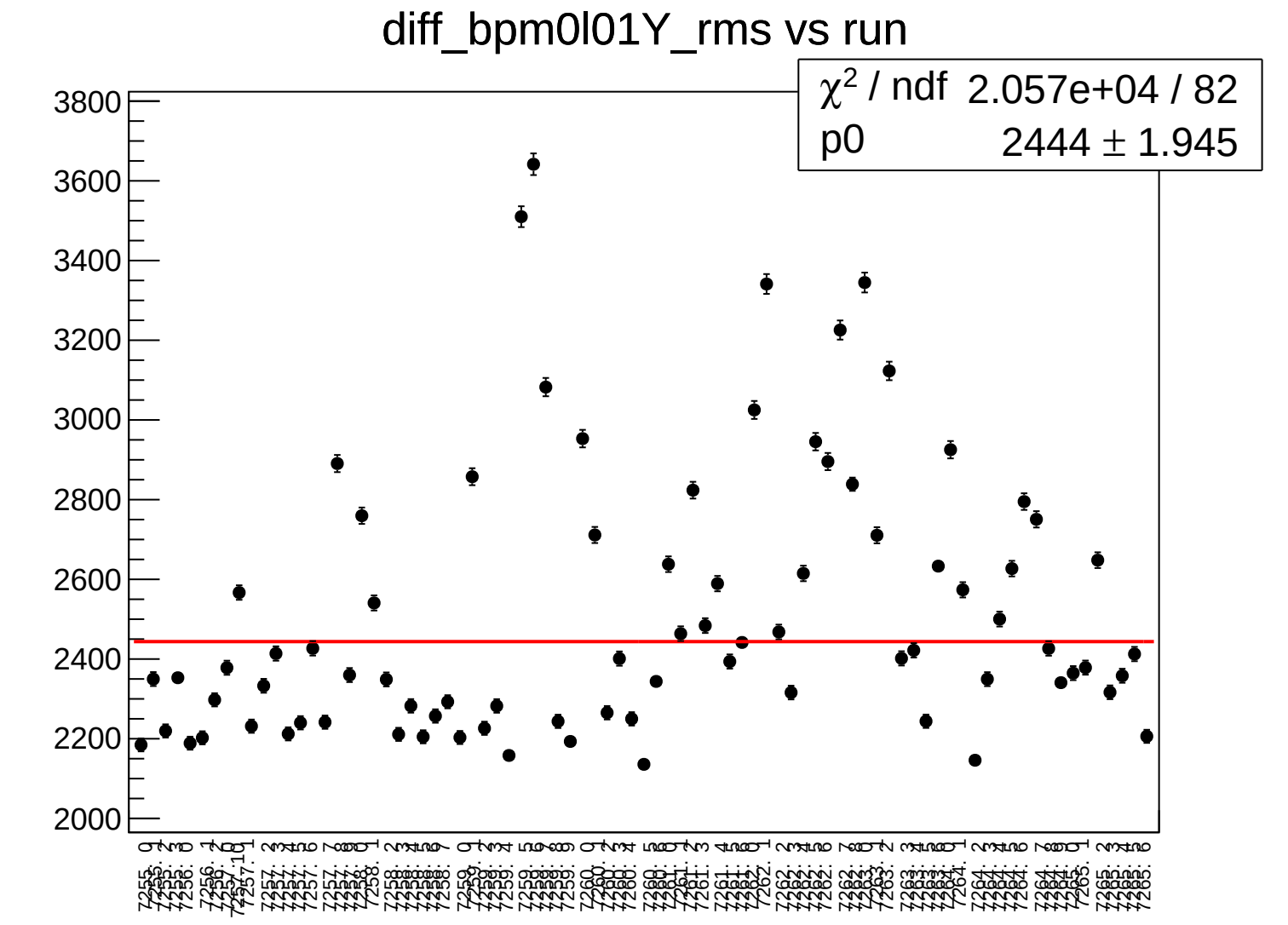

diff_bpm0l01X_mean vs run
χ^2 / ndf 84.14 / 82
p0 3.303 ± 3.943
pull
Entries 83
Mean 102.2
Std Dev 51.07

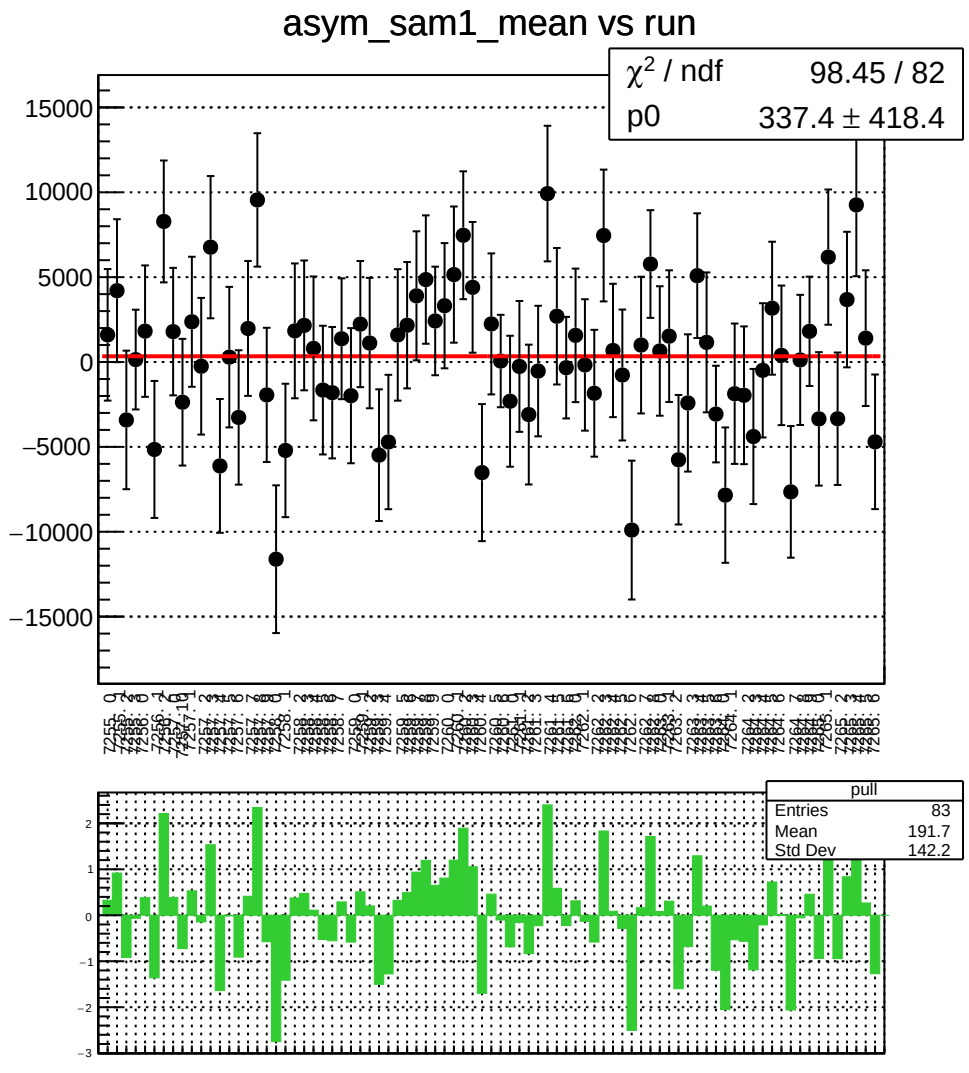

pull1D
Entries 83
Mean 0.01275
Std Dev 1.007

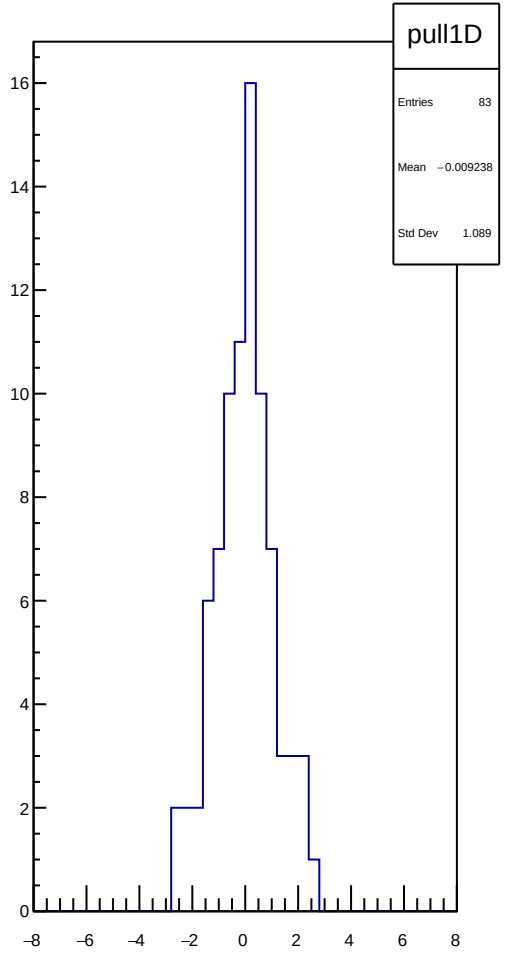

diff_bpm0l01X_rms vs run
χ² / ndf 700.9 / 82
p0 3525 ± 2.788
3800
3700
3600
3500
3400

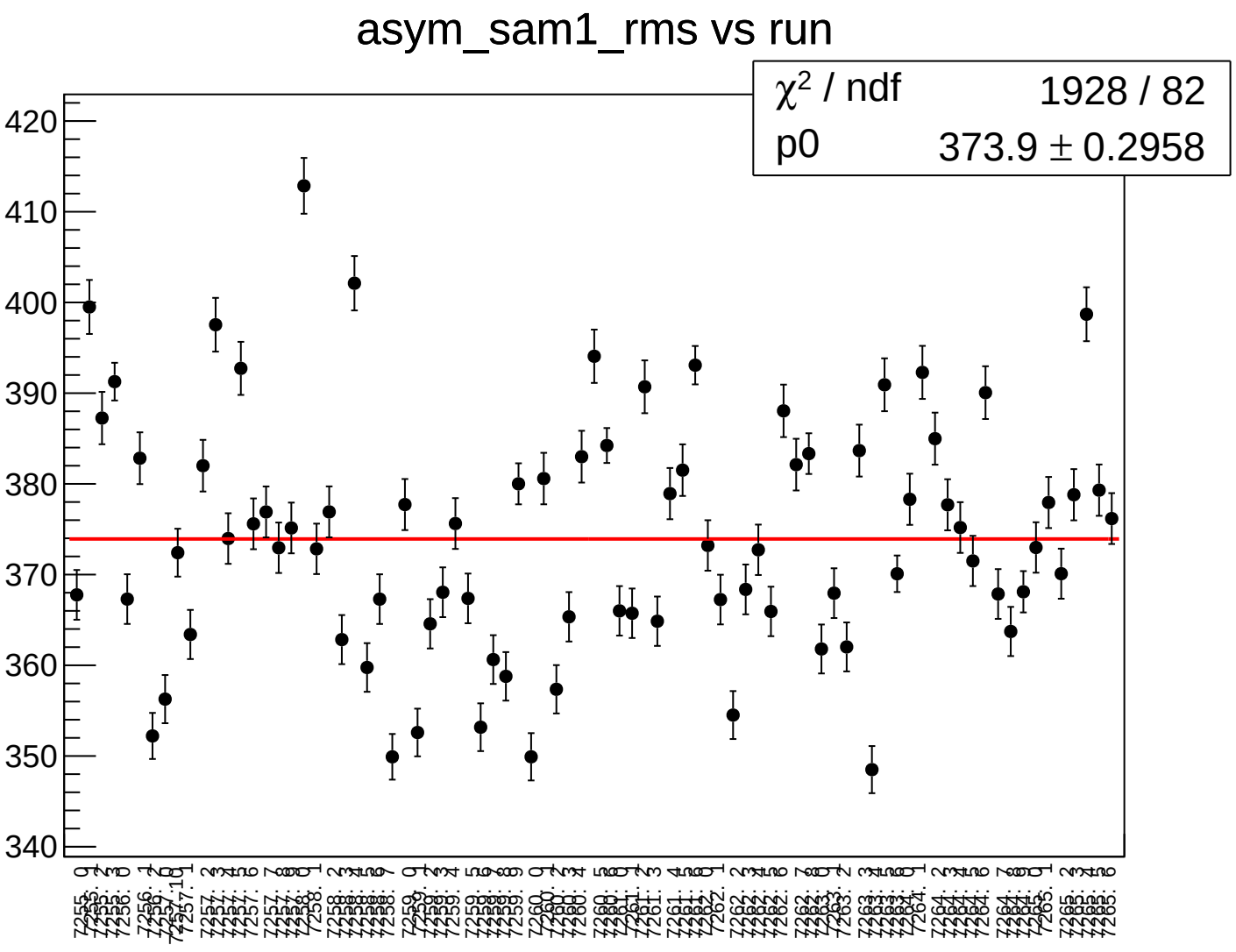

diff_bpm0l01Y_mean vs run
χ² / ndf 83.57 / 82
p0 −1.33 ± 2.75
pull
Entries 83
Mean −177
Std Dev 217.9

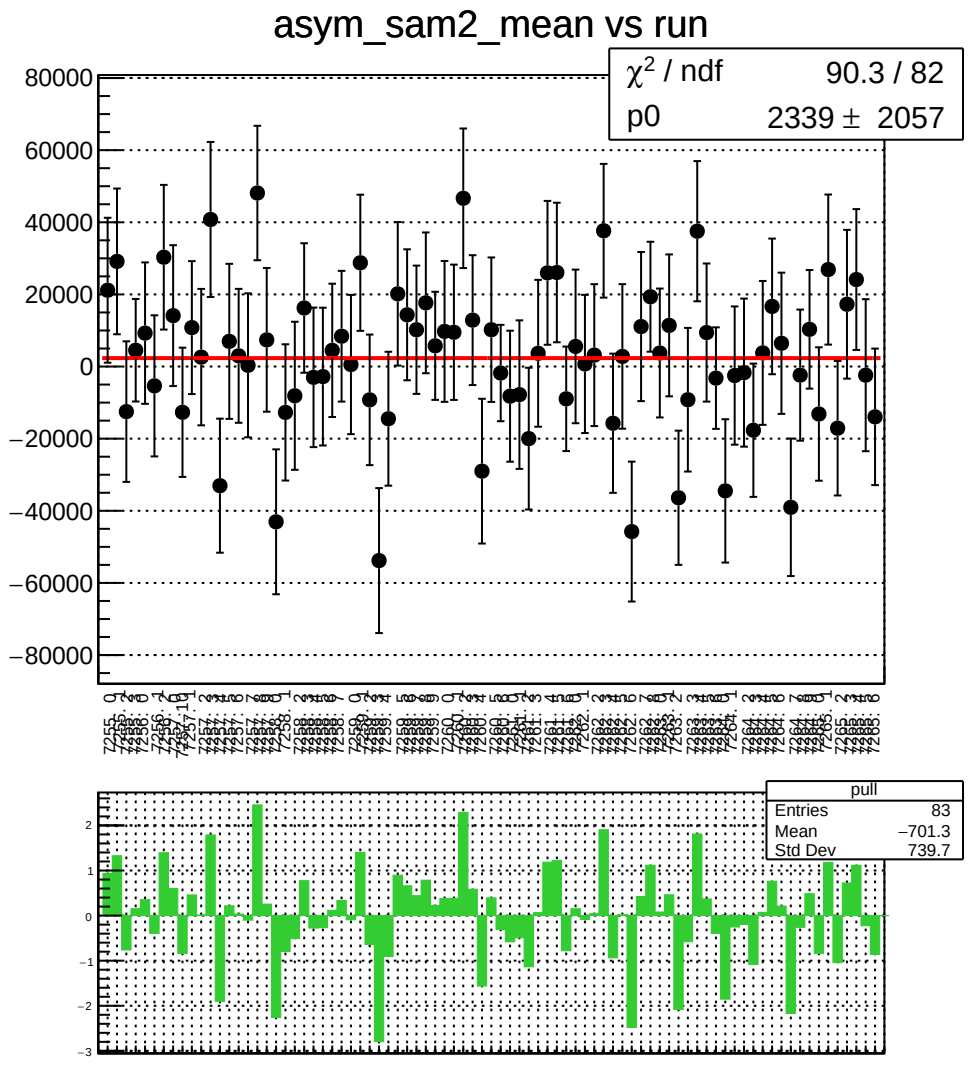

pull1D
Entries 83
Mean 0.02949
Std Dev 1.003

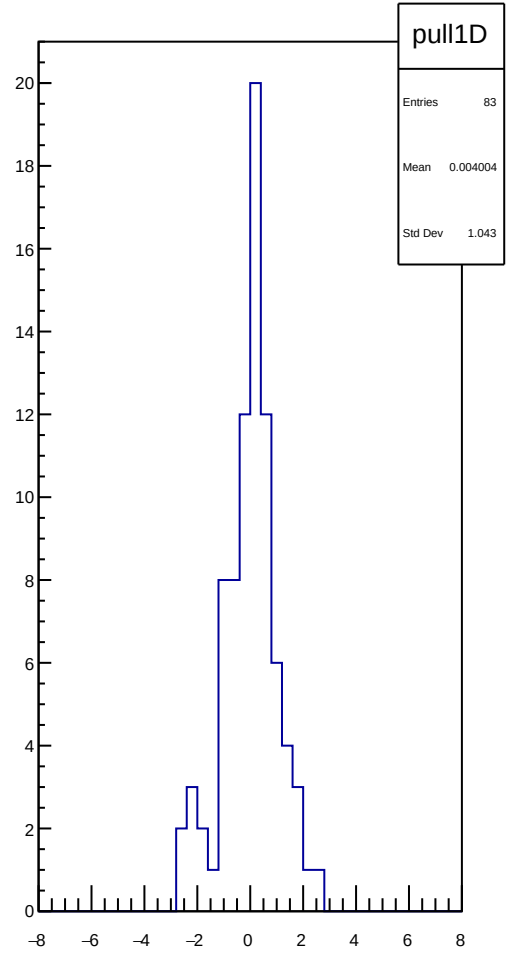

diff_bpm0l01Y_rms vs run
χ² / ndf 2.057e+04 / 82
p0 2444 ± 1.945
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

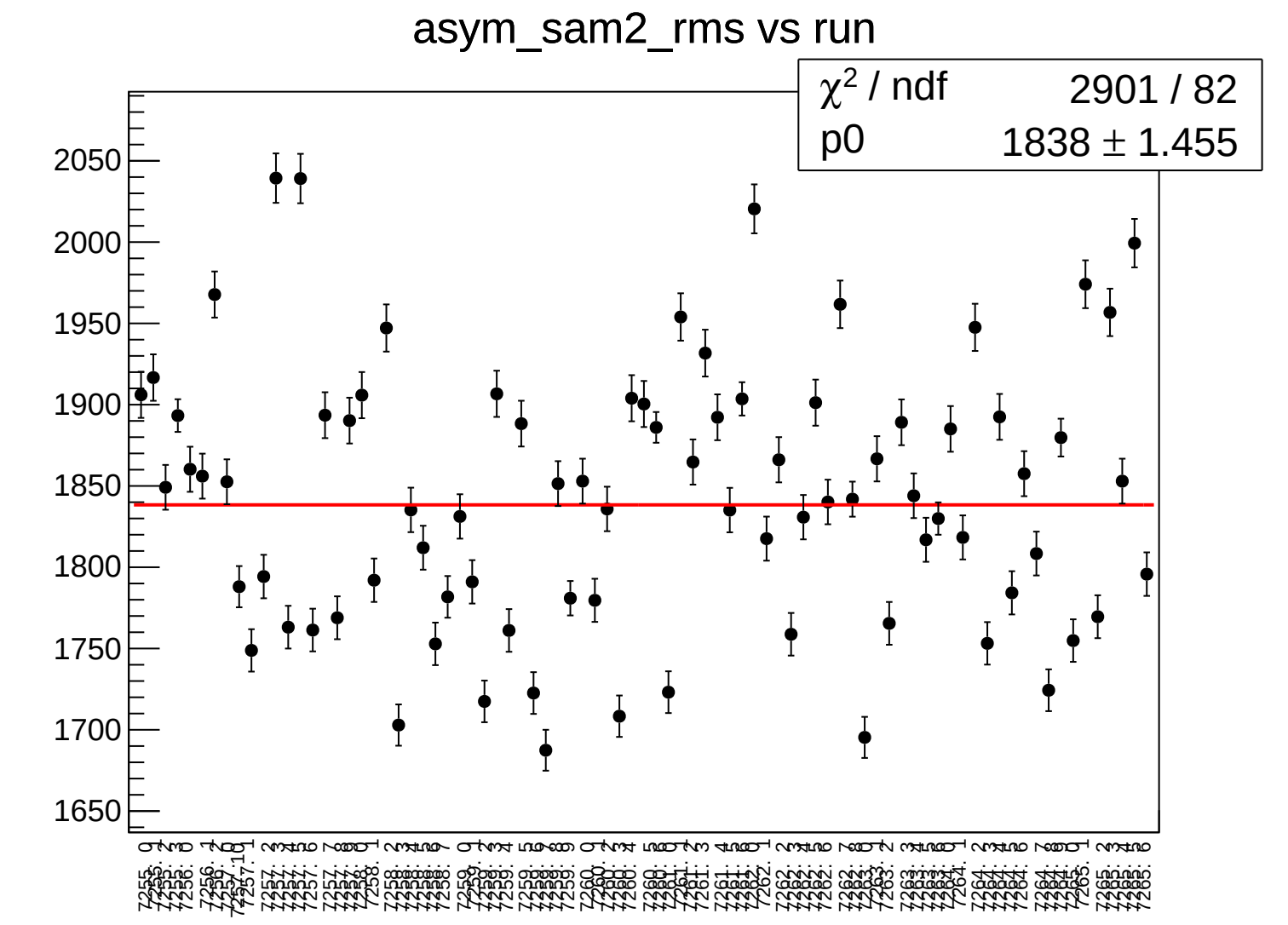

asym_sam1_mean vs run
χ² / ndf 98.45 / 82
p0 337.4 ± 418.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 191.7
Std Dev 142.2
2
1
0
−1
−2
−3

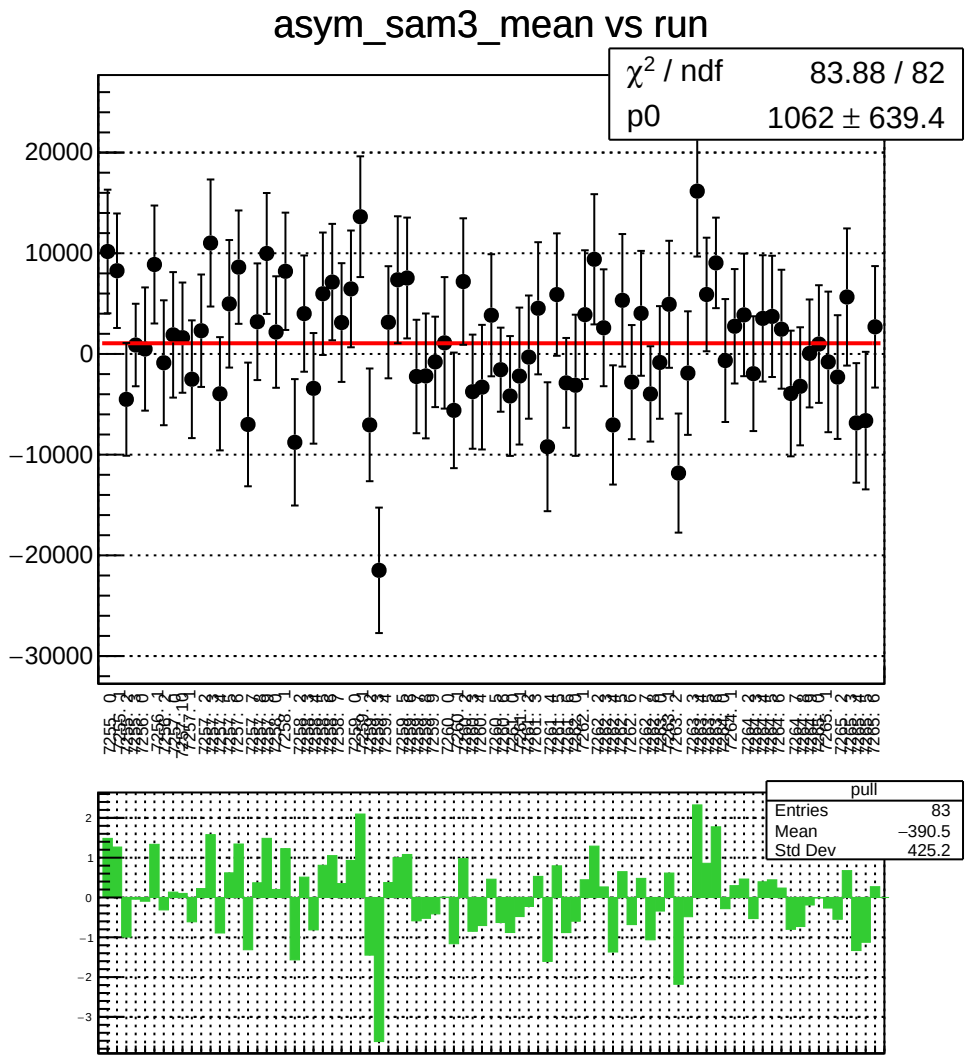

pull1D
Entries 83
Mean −0.009238
Std Dev 1.089
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

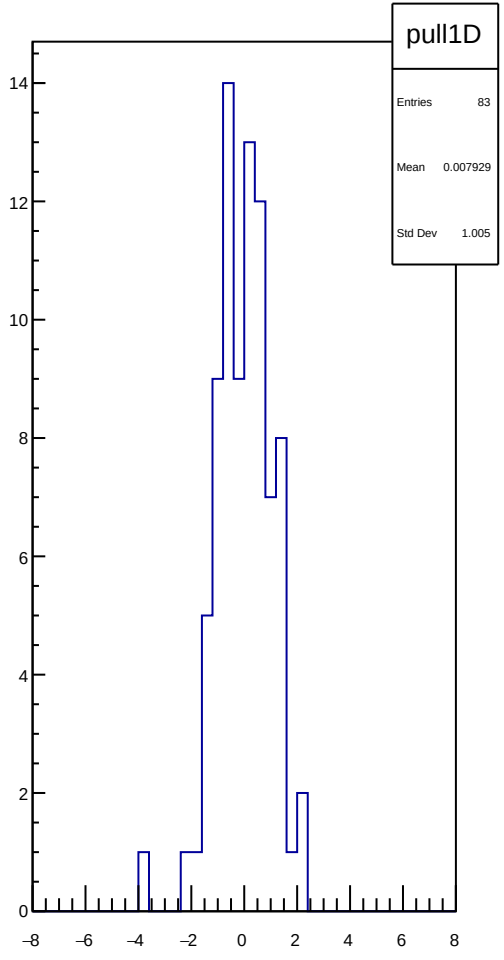

asym_sam1_rms vs run
χ² / ndf 1928 / 82
p0 373.9 ± 0.2958
420
410
400
390
380
370
360
350
340

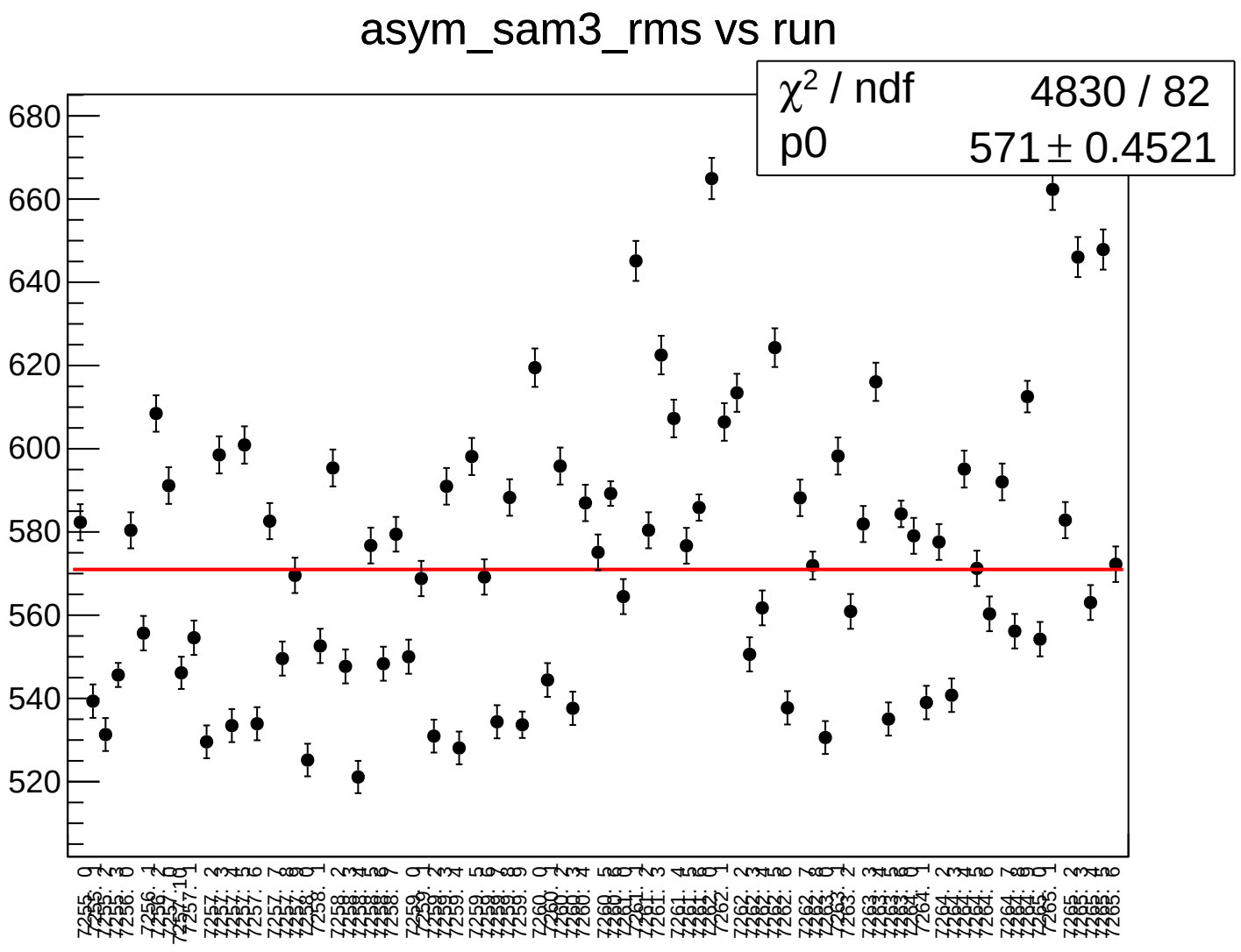

asym_sam2_mean vs run
χ² / ndf 90.3 / 82
p0 2339 ± 2057
pull
Entries 83
Mean −701.3
Std Dev 739.7

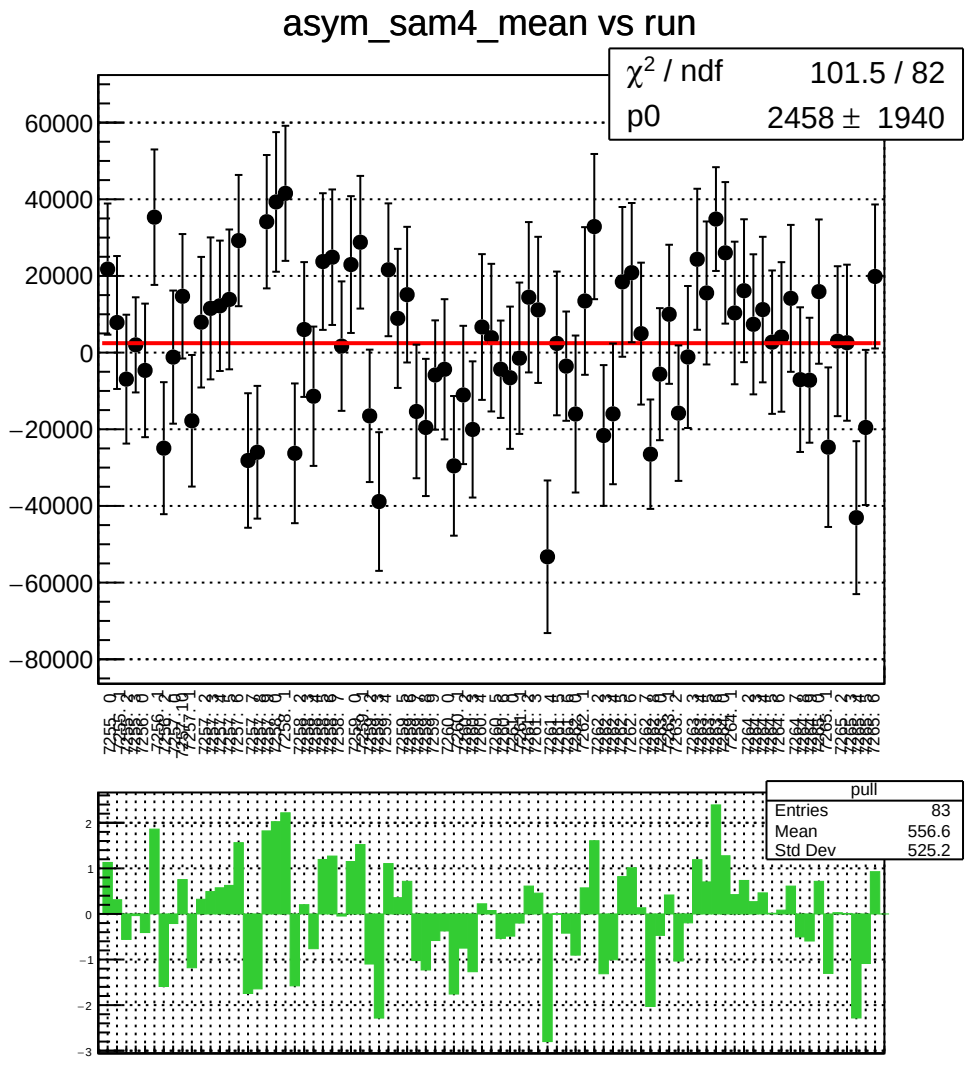

pull1D
Entries 83
Mean 0.004004
Std Dev 1.043

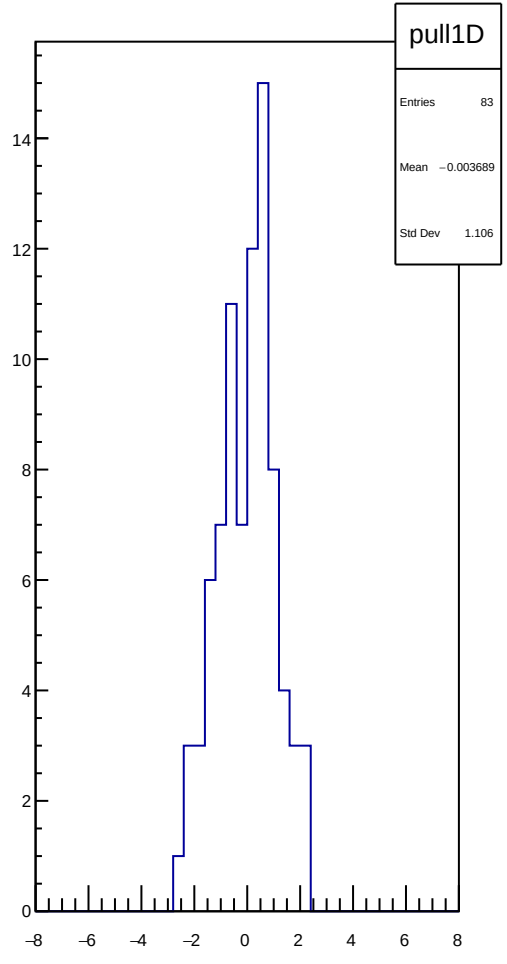

asym_sam2_rms vs run
χ² / ndf 2901 / 82
p0 1838 ± 1.455
2050
2000
1950
1900
1850
1800
1750
1700
1650

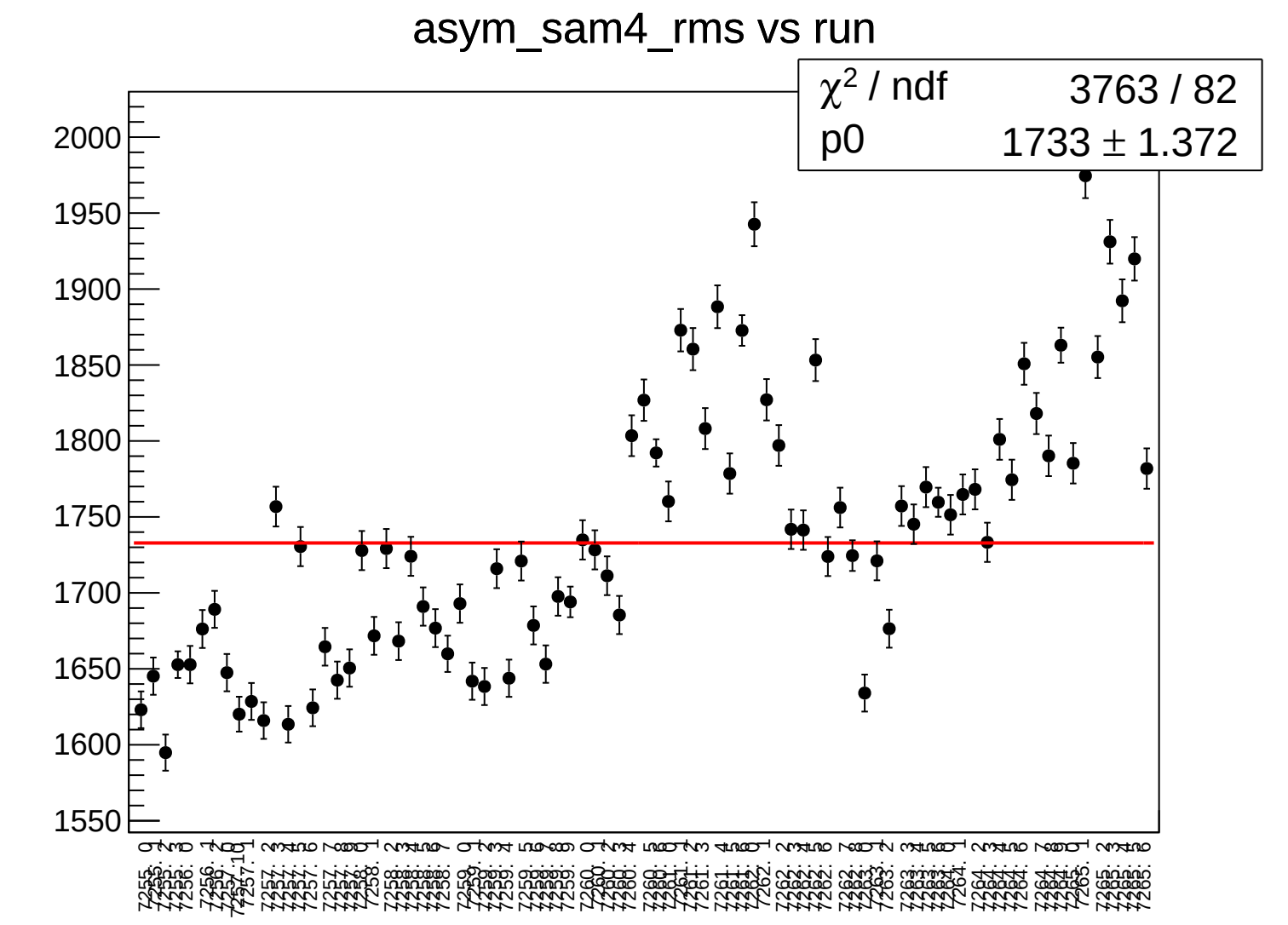

asym_sam3_mean vs run
χ^2 / ndf 83.88 / 82
p0 1062 ± 639.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −390.5
Std Dev 425.2
2
1
0
−1
−2
−3

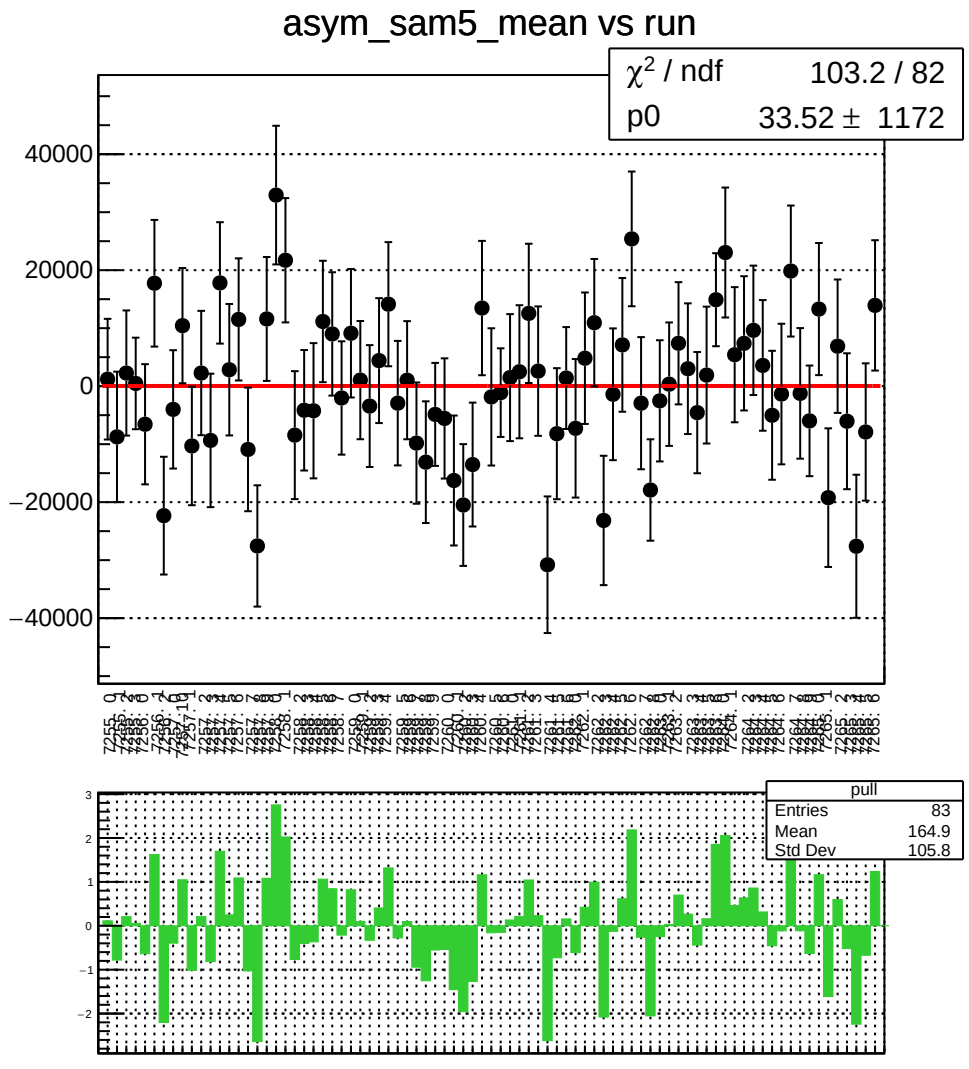

pull1D
Entries 83
Mean 0.007929
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

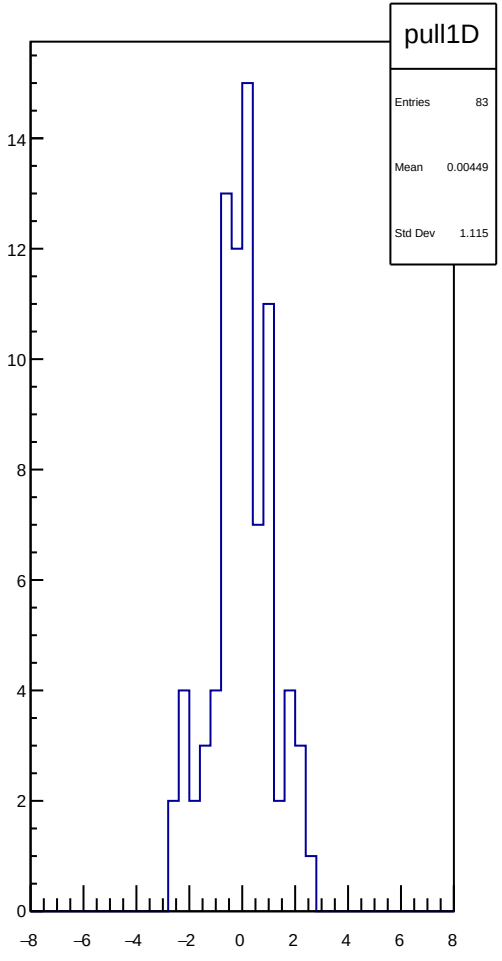

asym_sam3_rms vs run
χ^2 / ndf 4830 / 82
p0 571 ± 0.4521
680
660
640
620
600
580
560
540
520

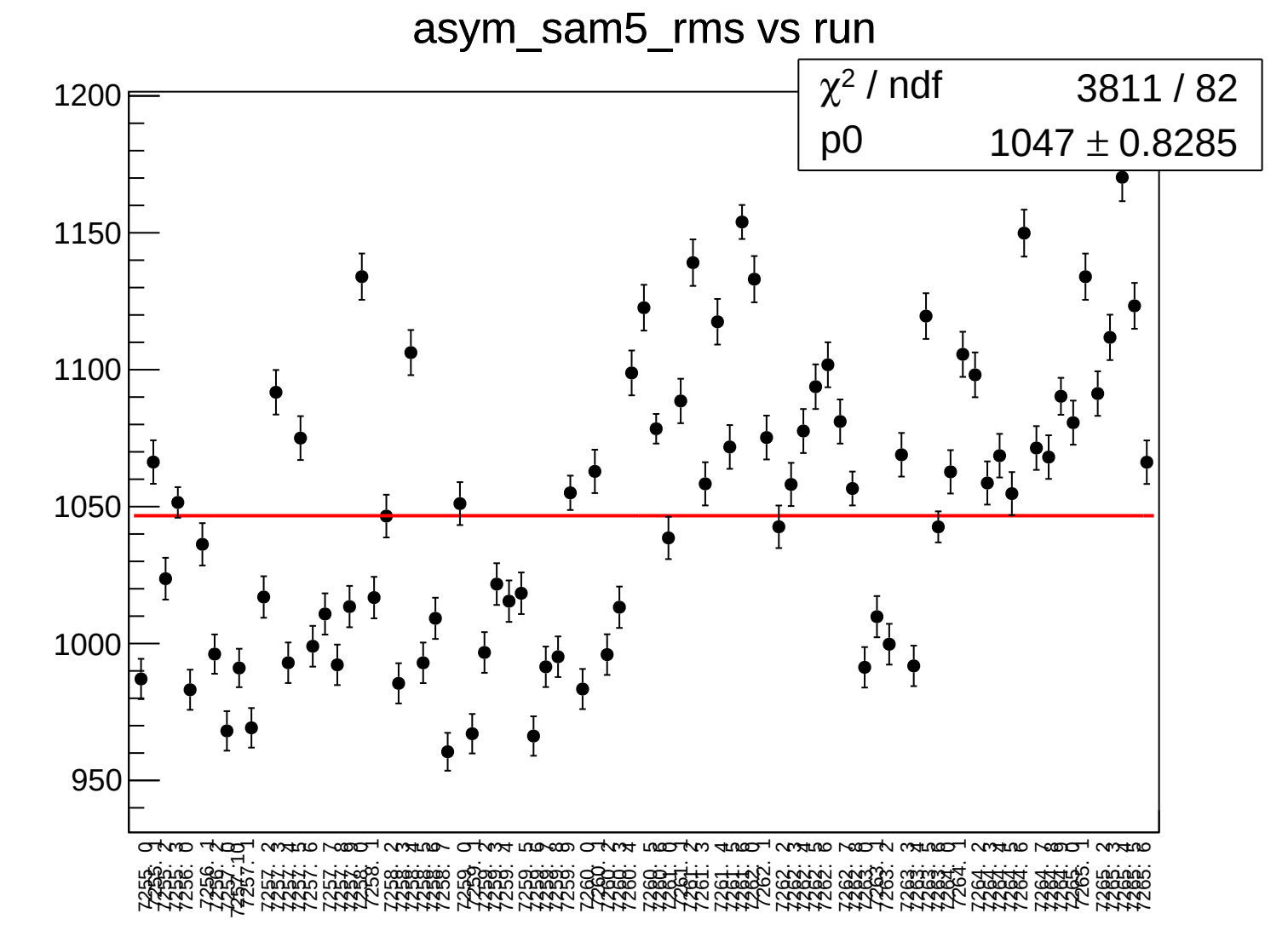

asym_sam4_mean vs run
χ² / ndf 101.5 / 82
p0 2458 ± 1940
pull
Entries 83
Mean 556.6
Std Dev 525.2

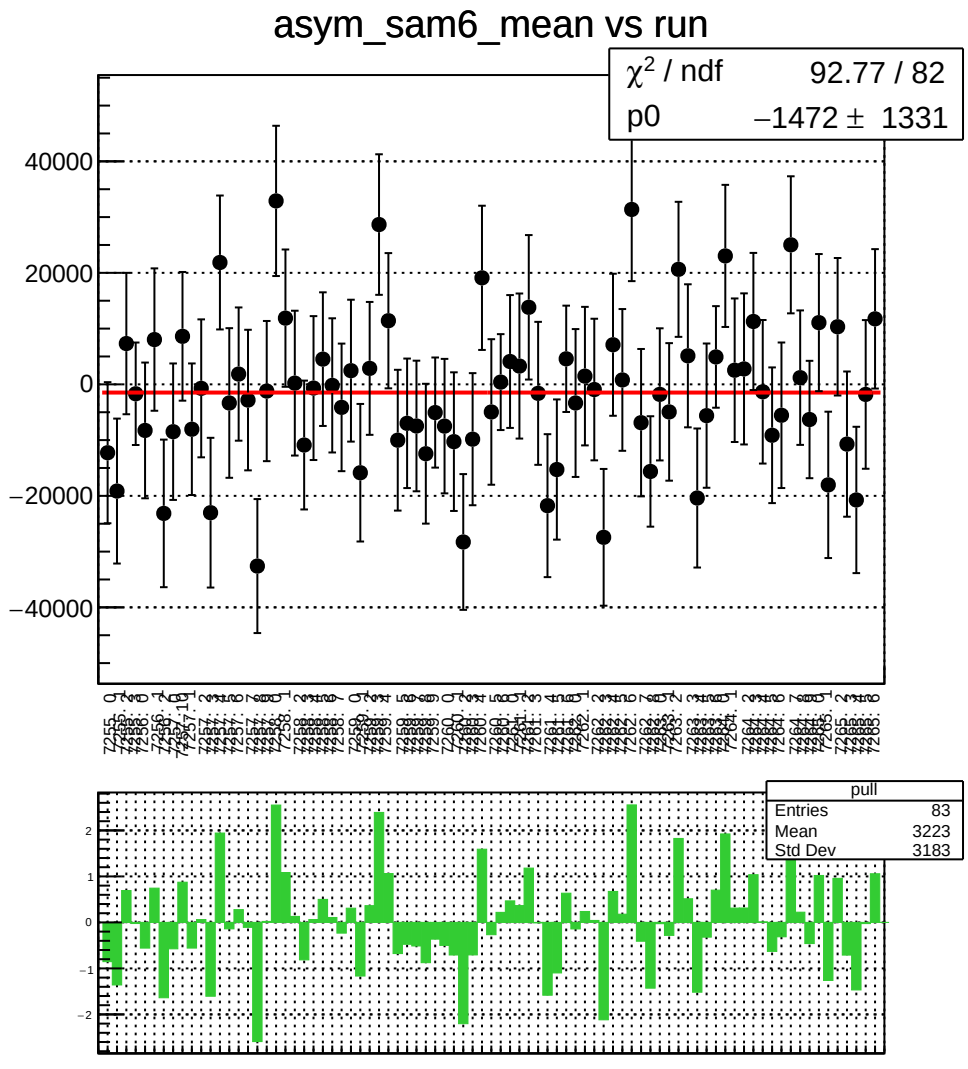

pull1D
Entries 83
Mean −0.003689
Std Dev 1.106

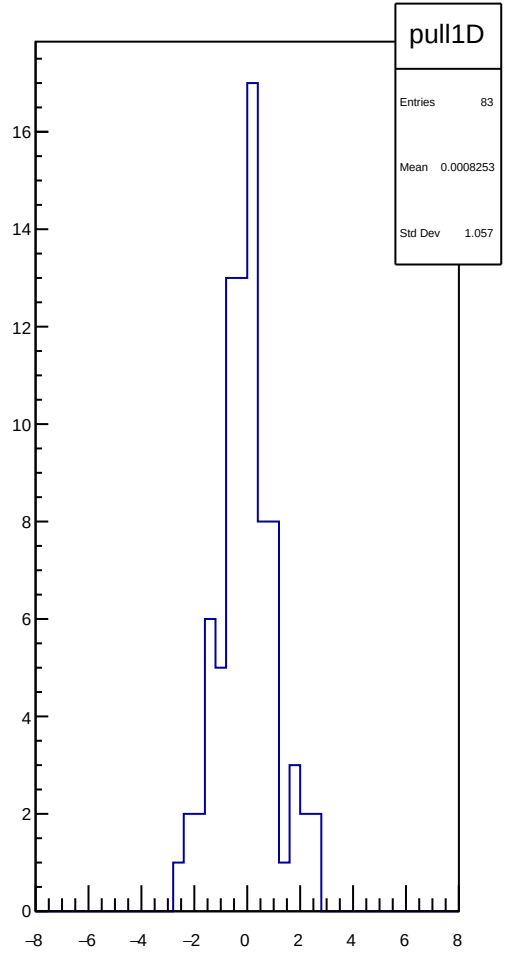

asym_sam4_rms vs run
χ² / ndf 3763 / 82
p0 1733 ± 1.372
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550

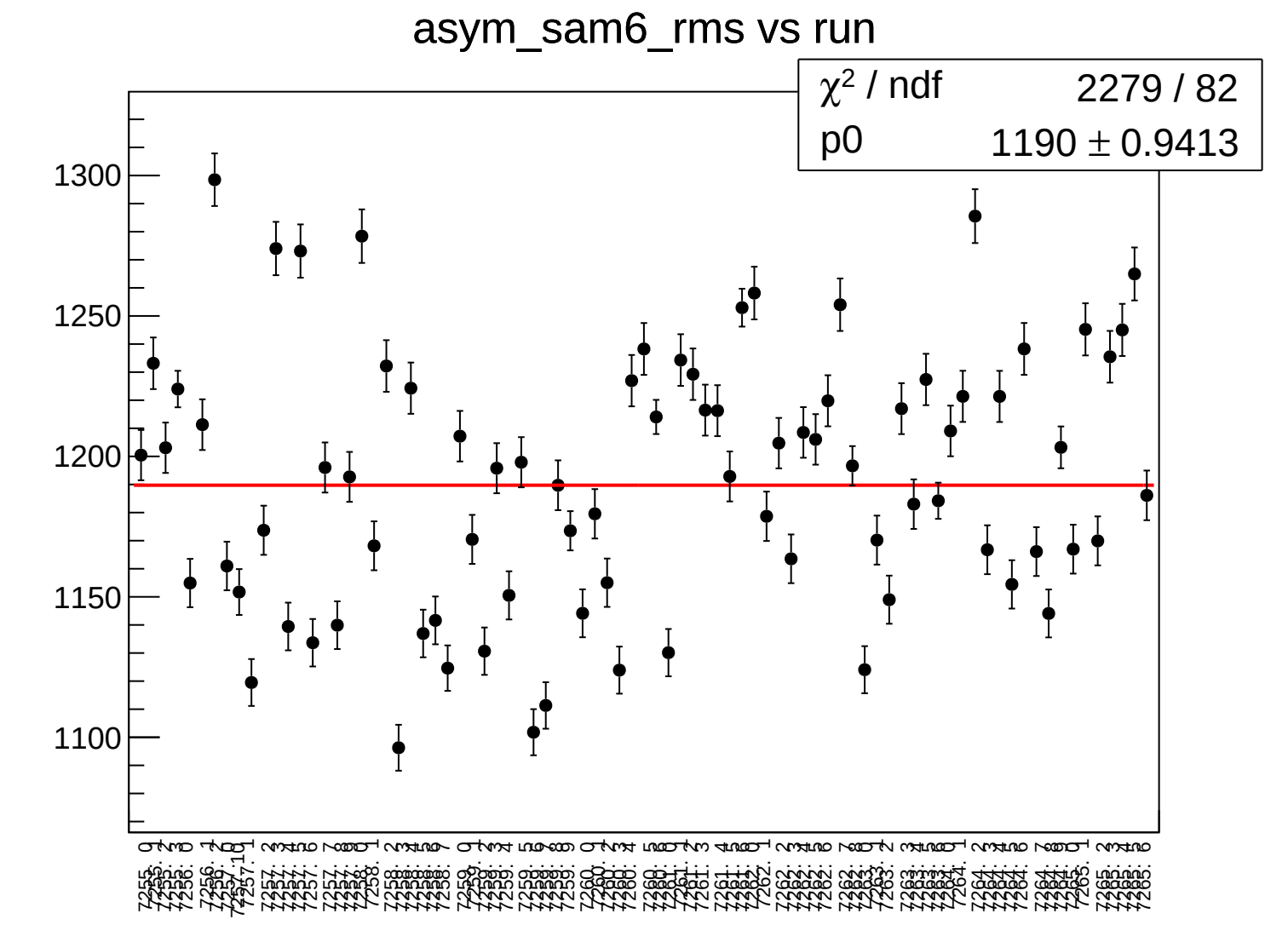

asym_sam5_mean vs run
χ² / ndf 103.2 / 82
p0 33.52 ± 1172
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 164.9
Std Dev 105.8
3
2
1
0
−1
−2

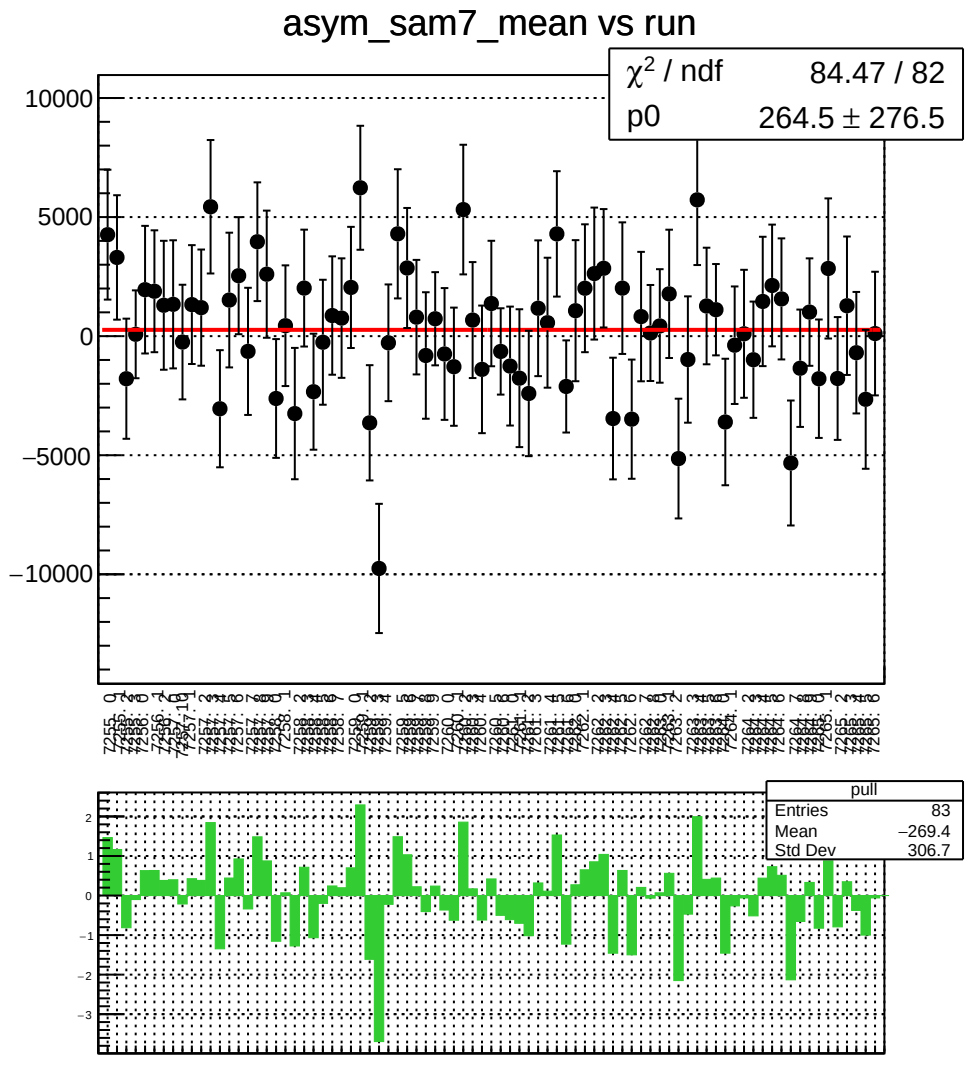

pull1D
Entries 83
Mean 0.00449
Std Dev 1.115
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

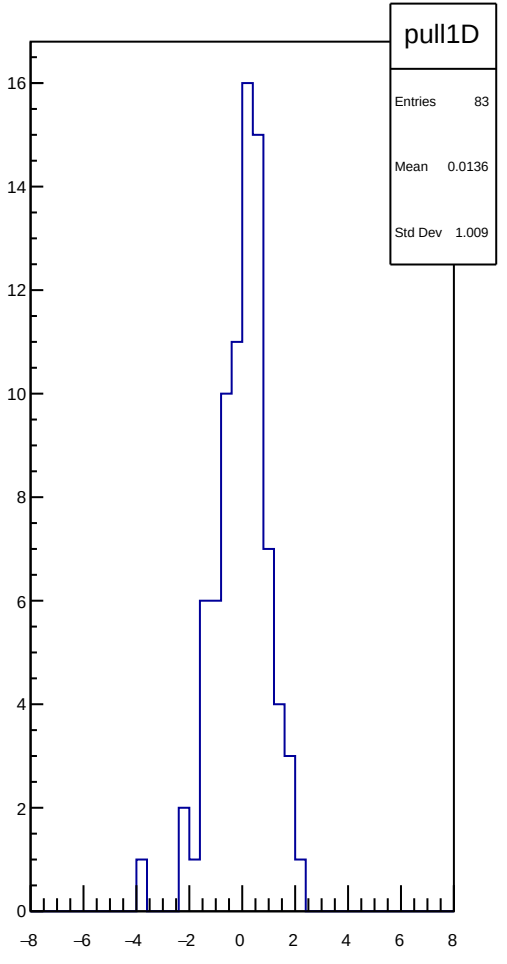

asym_sam5_rms vs run
χ² / ndf 3811 / 82
p0 1047 ± 0.8285
1200
1150
1100
1050
1000
950

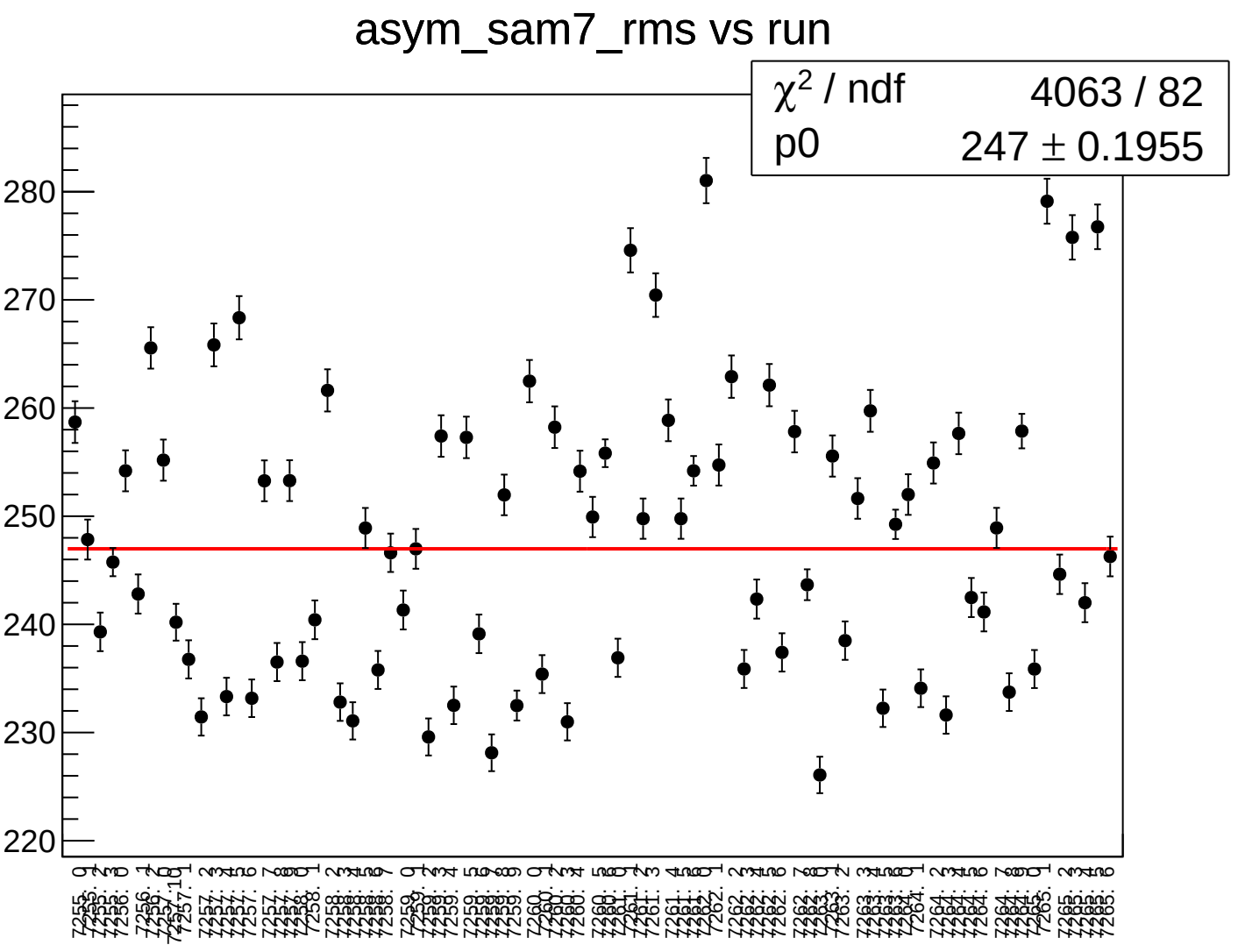

asym_sam6_mean vs run
χ² / ndf 92.77 / 82
p0 −1472 ± 1331
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 3223
Std Dev 3183
2
1
0
−1
−2

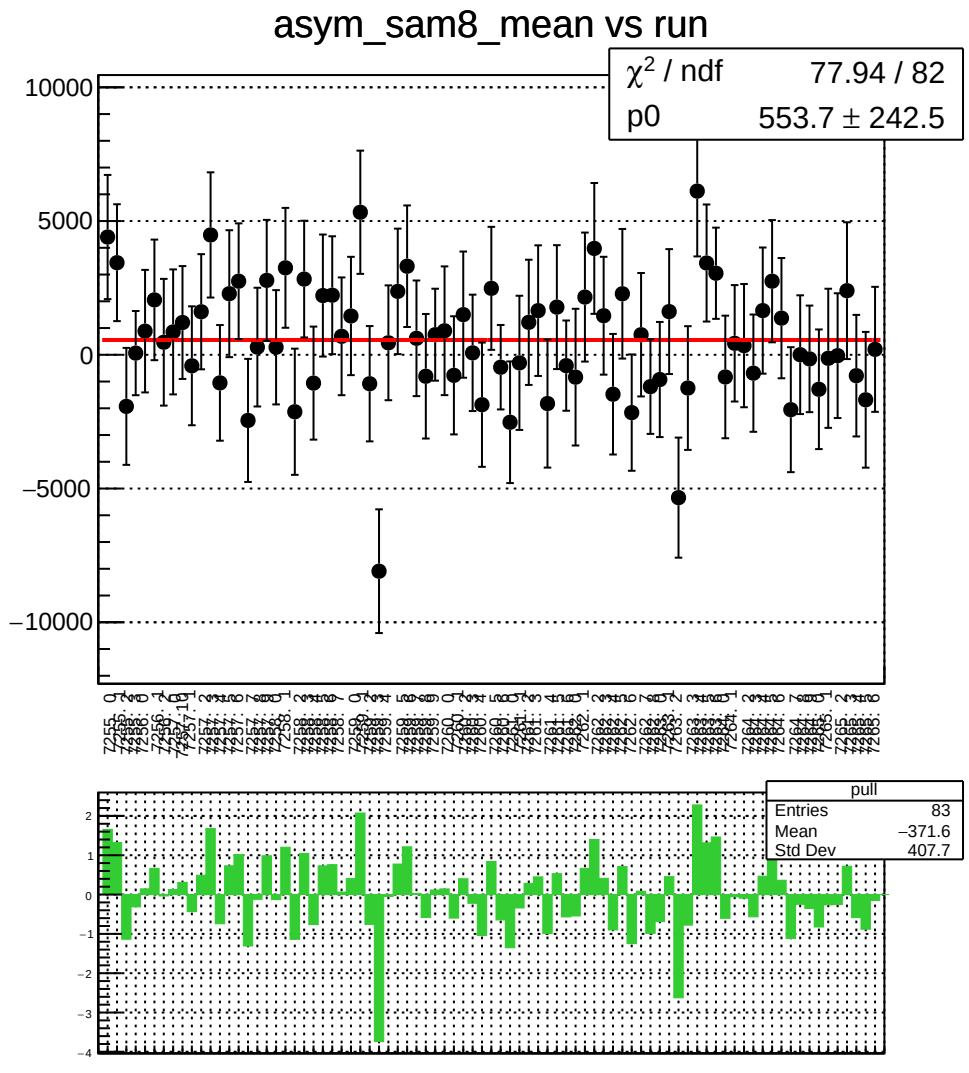

pull1D
Entries 83
Mean 0.0008253
Std Dev 1.057
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

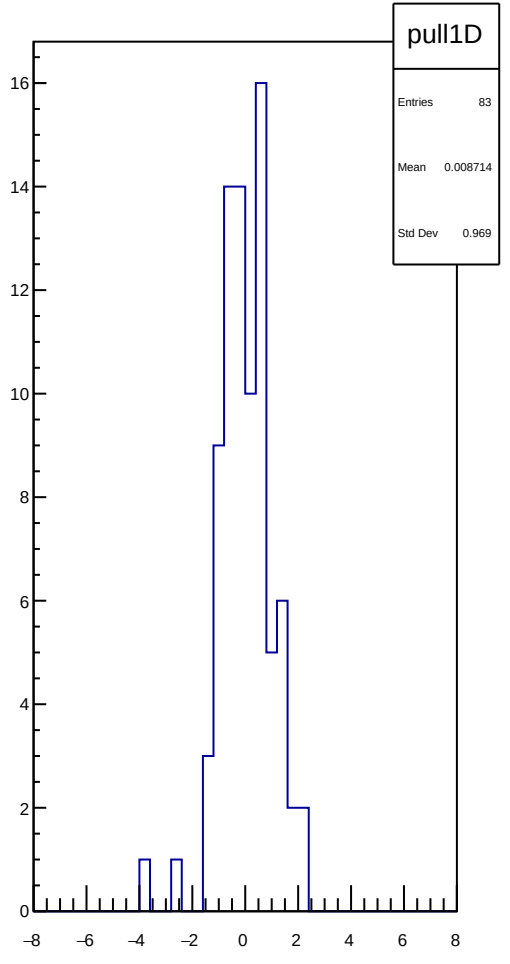

asym_sam6_rms vs run
χ² / ndf 2279 / 82
p0 1190 ± 0.9413
1300
1250
1200
1150
1100

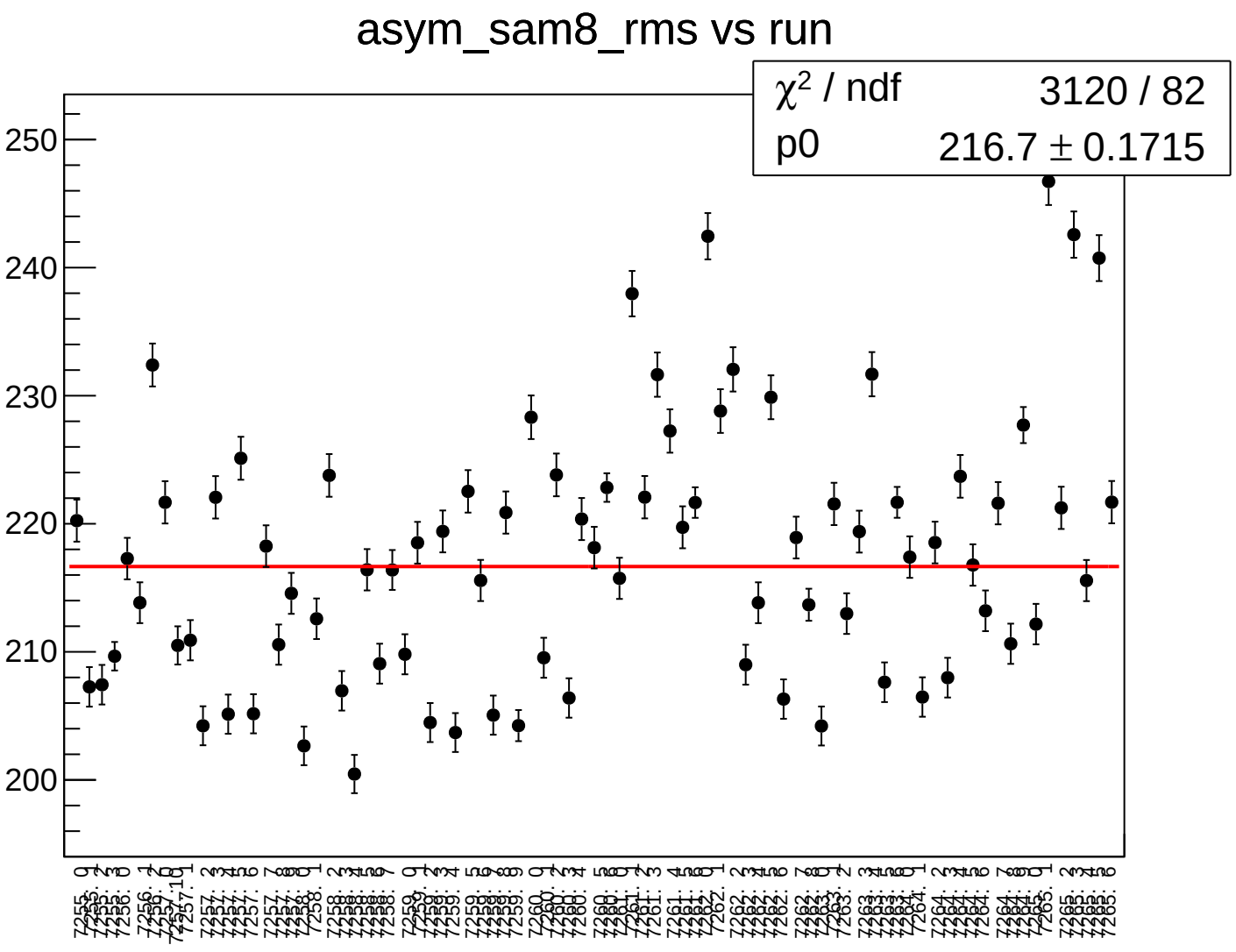

asym_sam7_mean vs run
χ² / ndf 84.47 / 82
p0 264.5 ± 276.5
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −269.4
Std Dev 306.7
2
1
0
−1
−2
−3

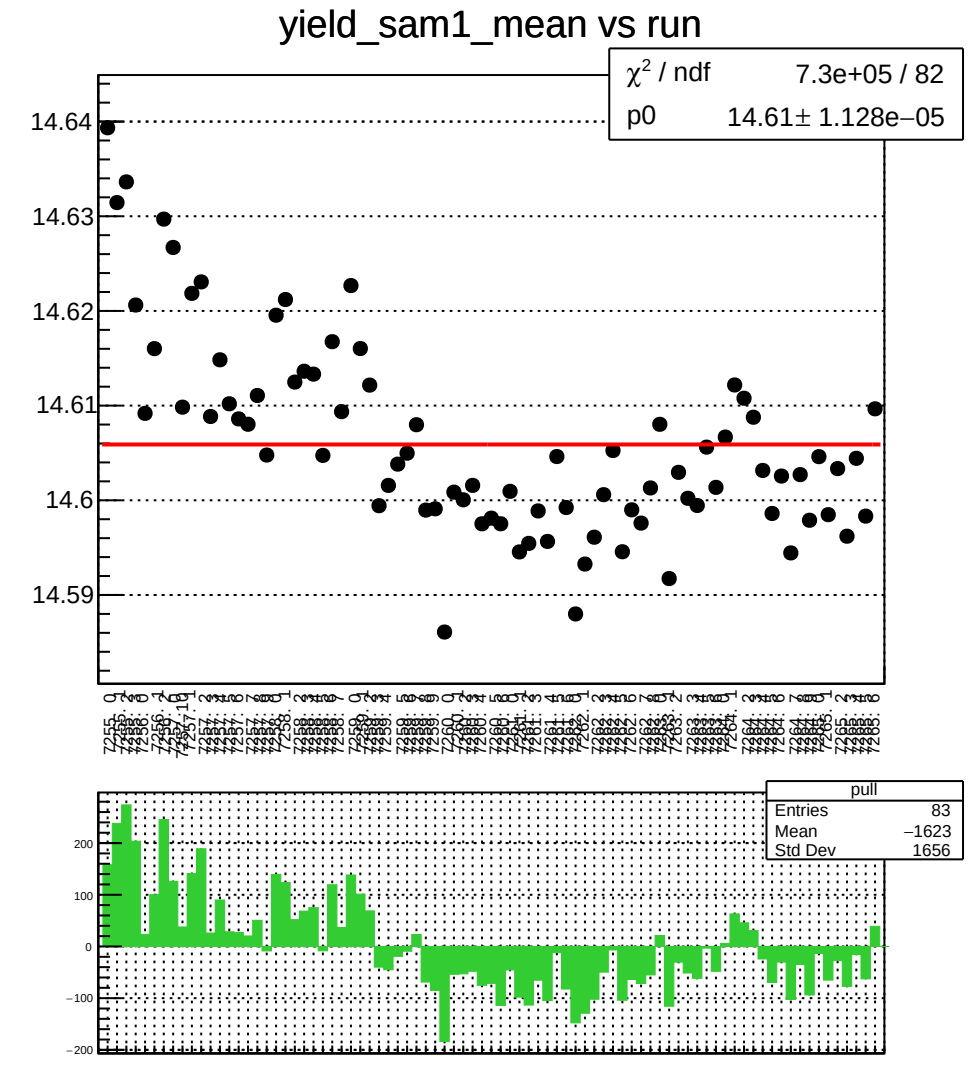

pull1D
Entries 83
Mean 0.0136
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

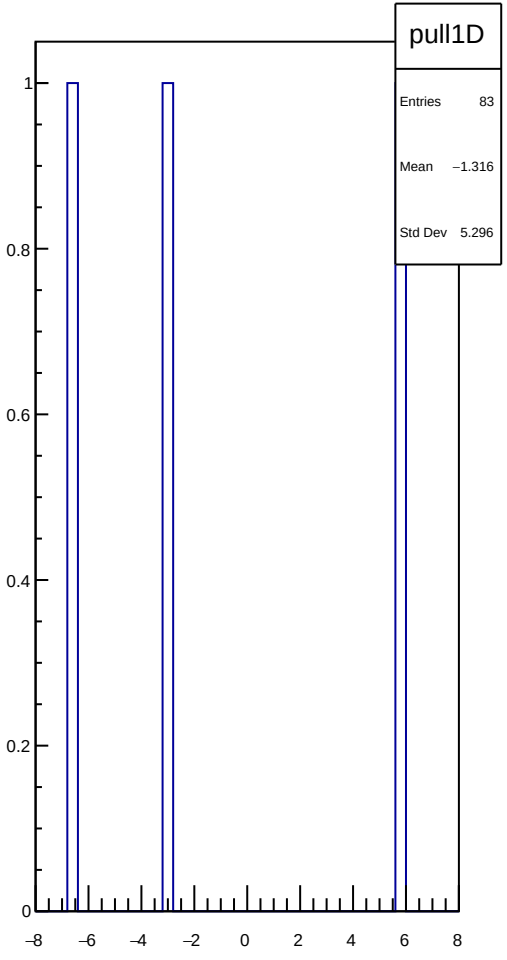

asym_sam7_rms vs run
χ^2 / ndf 4063 / 82
p0 247 ± 0.1955
280
270
260
250
240
230
220

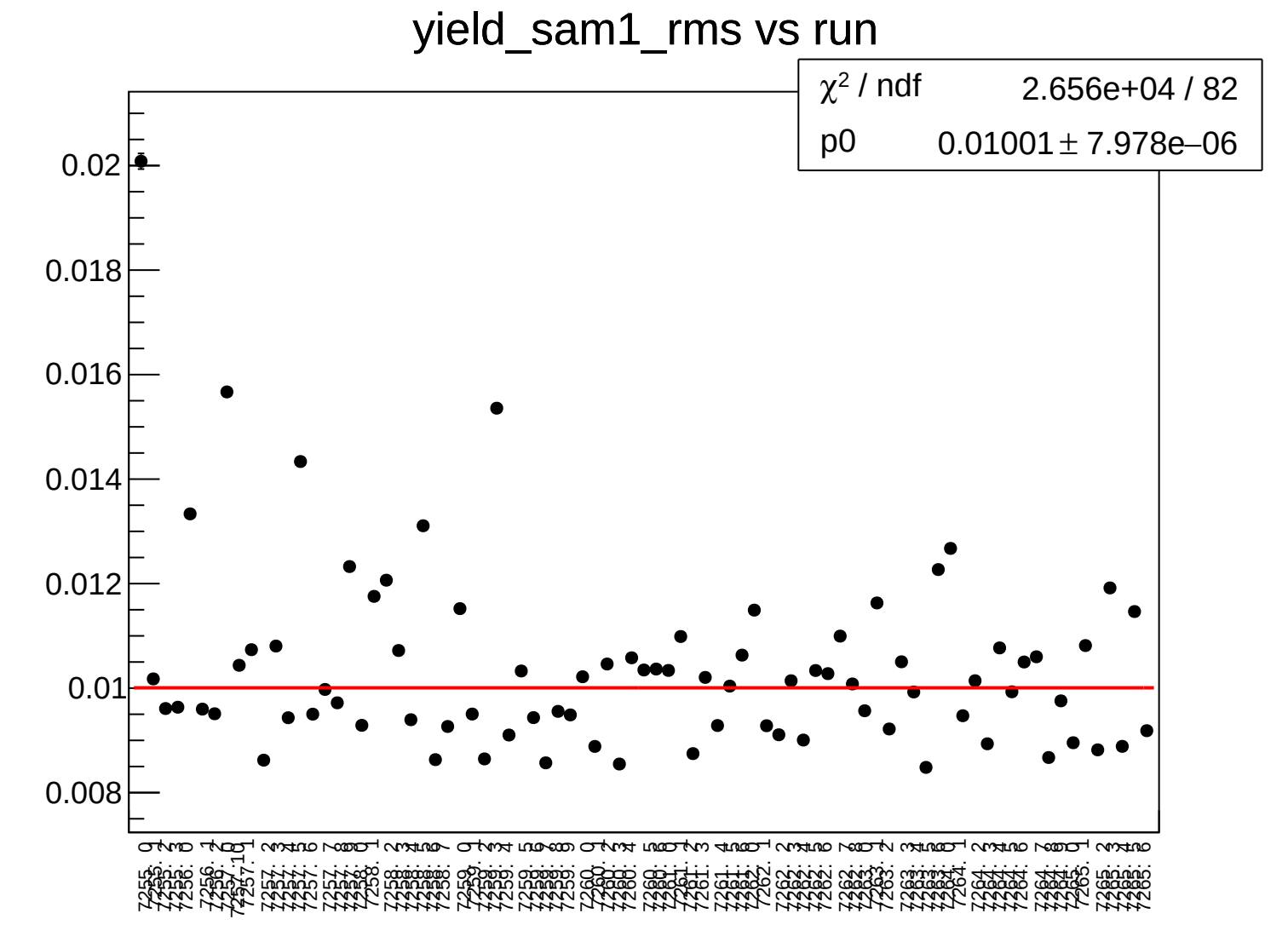

asym_sam8_mean vs run
χ^2 / ndf 77.94 / 82
p0 553.7 ± 242.5
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −371.6
Std Dev 407.7
2
1
0
−1
−2
−3
−4

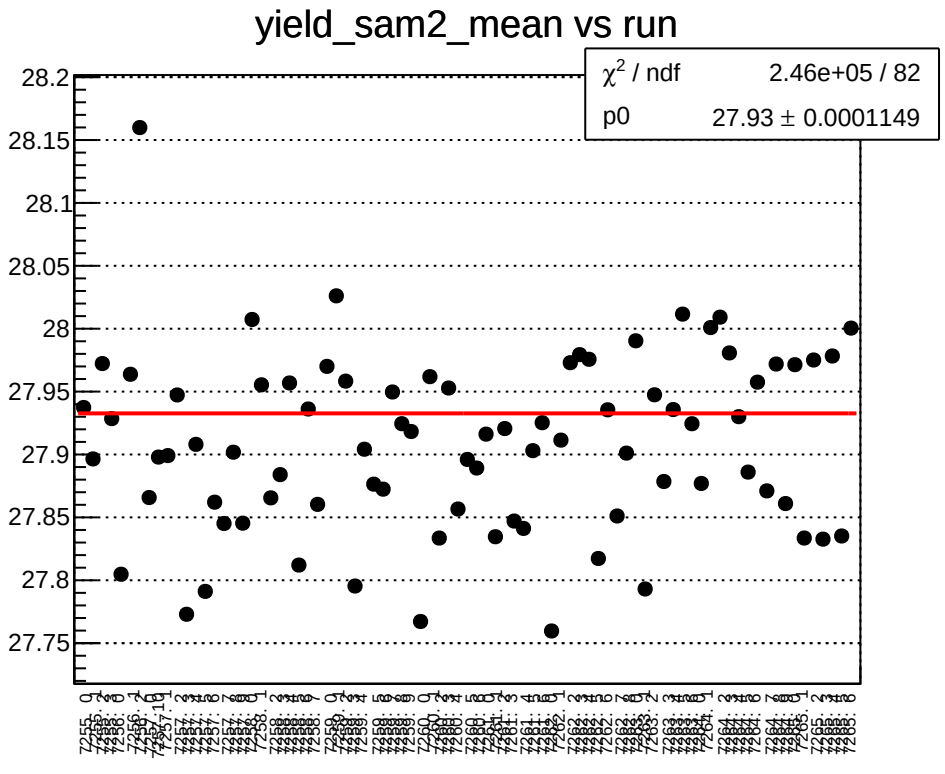

pull1D
Entries 83
Mean 0.008714
Std Dev 0.969
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

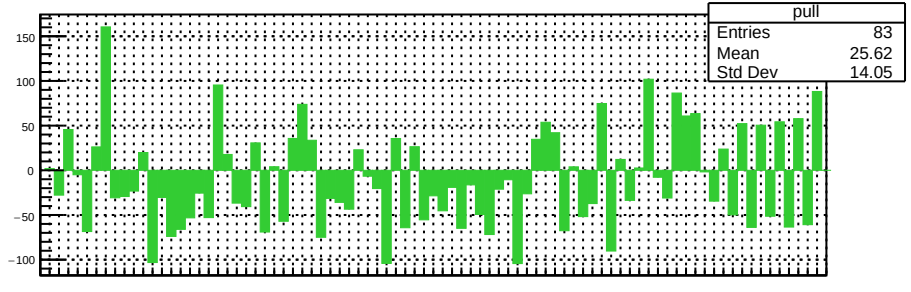

asym_sam8_rms vs run
χ² / ndf 3120 / 82
p0 216.7 ± 0.1715
250
240
230
220
210
200

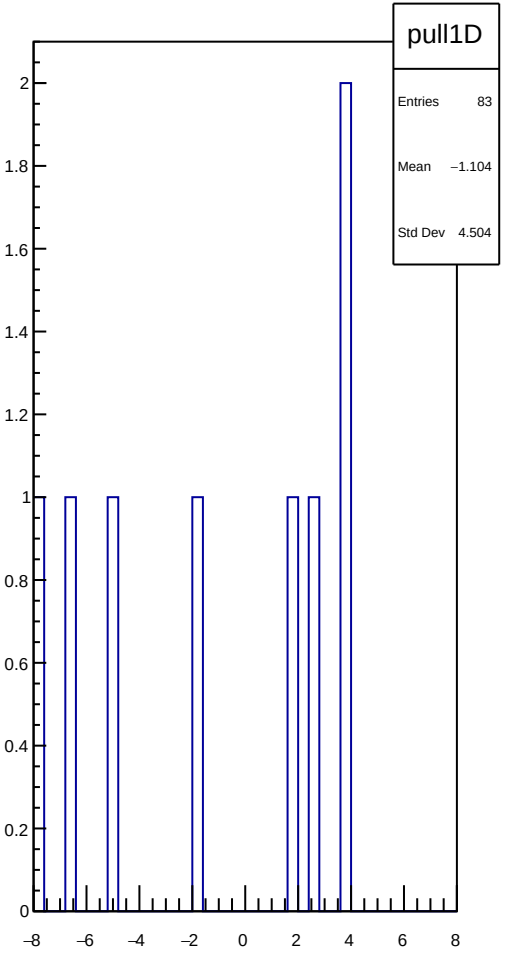

yield_sam1_mean vs run
χ² / ndf 7.3e+05 / 82
p0 14.61± 1.128e−05
14.64
14.63
14.62
14.61
14.6
14.59
pull
Entries 83
Mean −1623
Std Dev 1656
200
100
0
−100
−200

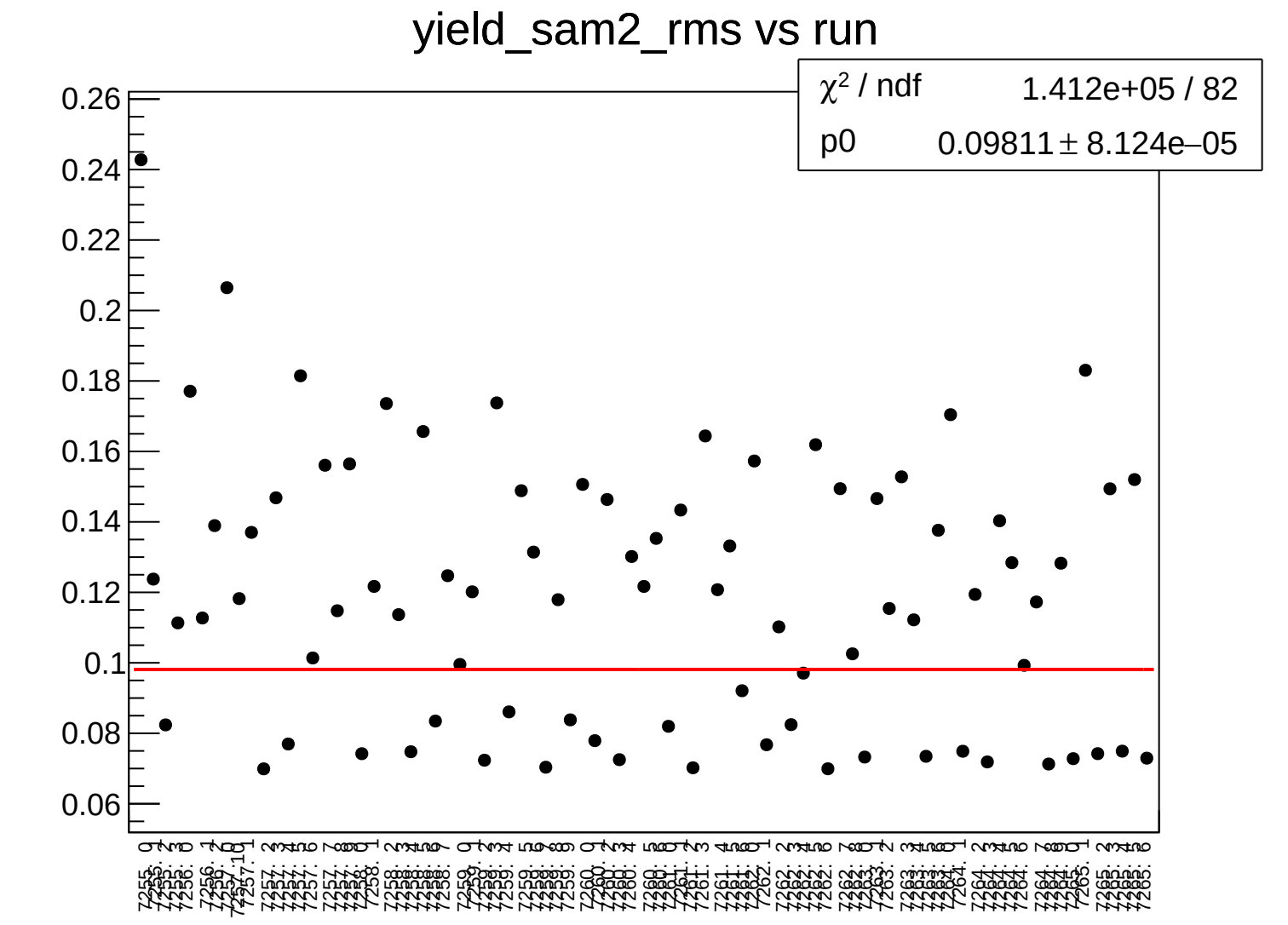

pull1D
Entries 83
Mean −1.316
Std Dev 5.296
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

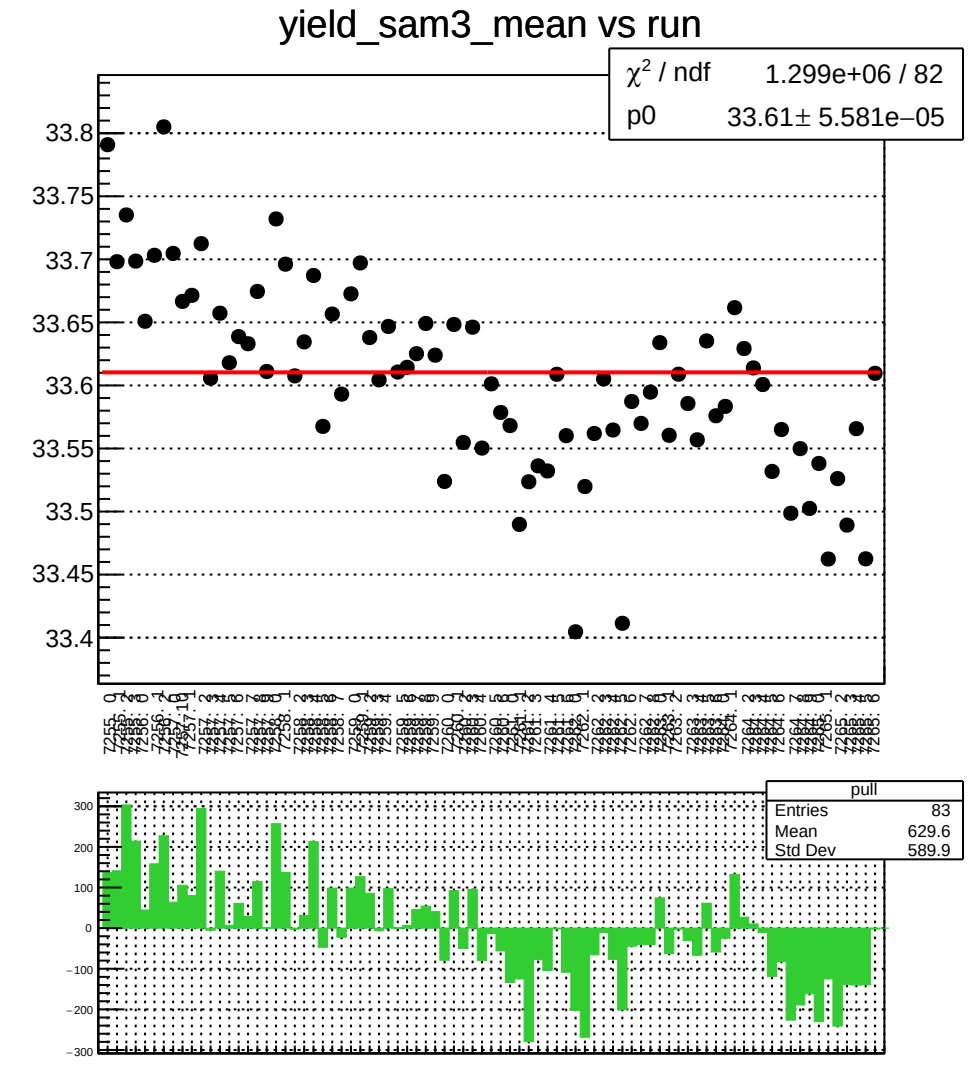

yield_sam1_rms vs run
χ² / ndf 2.656e+04 / 82
p0 0.01001 ± 7.978e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008

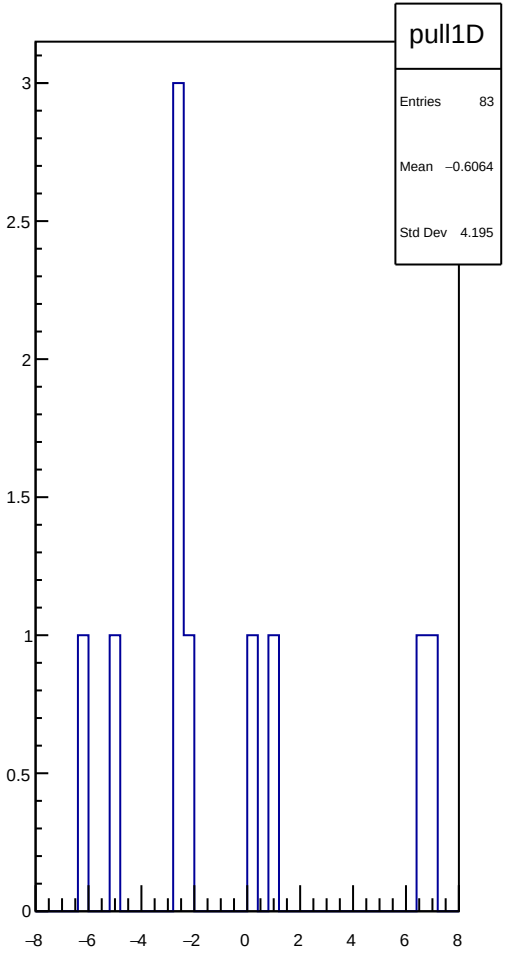

yield_sam2_mean vs run
χ² / ndf 2.46e+05 / 82
p0 27.93 ± 0.0001149
28.2
28.15
28.1
28.05
28
27.95
27.9
27.85
27.8
27.75

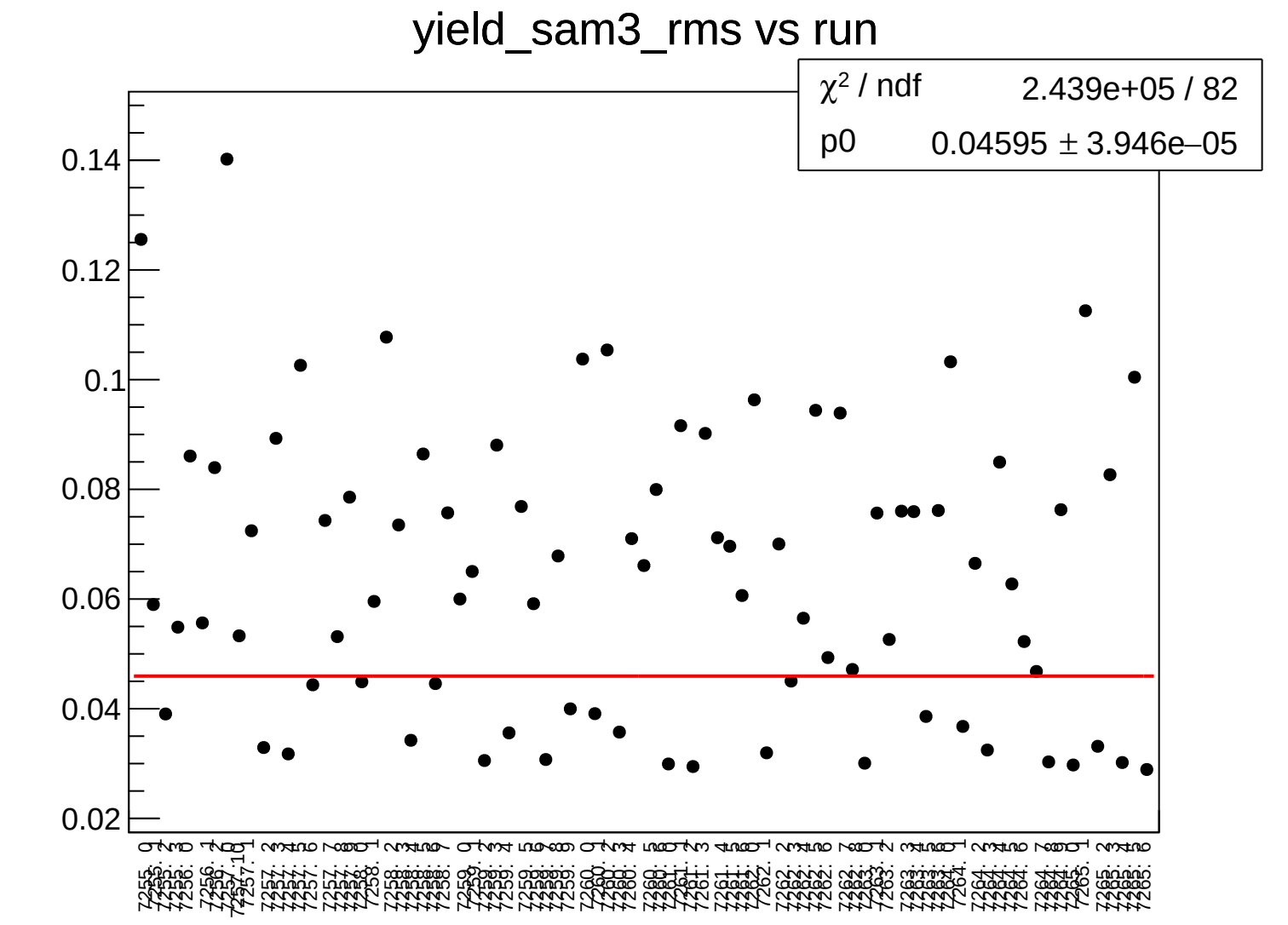

pull
Entries 83
Mean 25.62
Std Dev 14.05
150
100
50
0
−50
−100

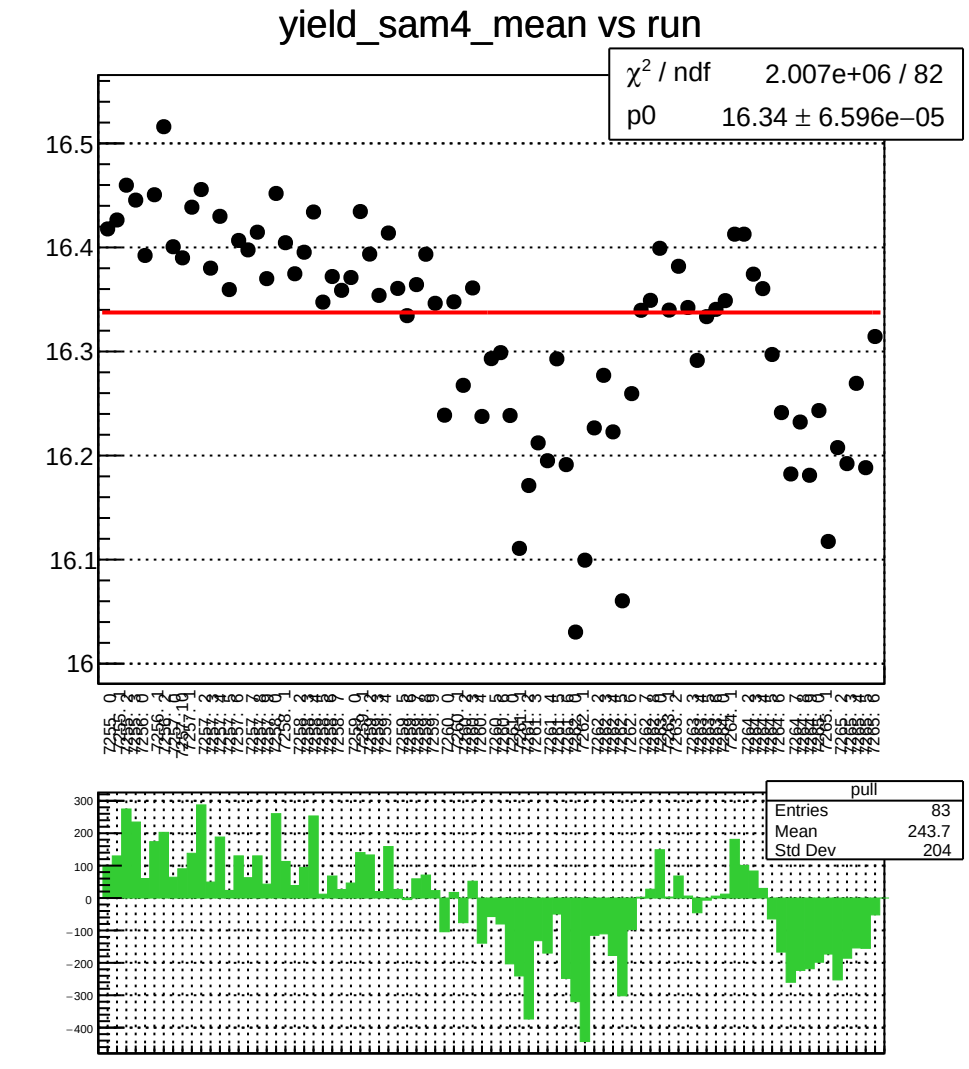

pull1D
Entries 83
Mean −1.104
Std Dev 4.504
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

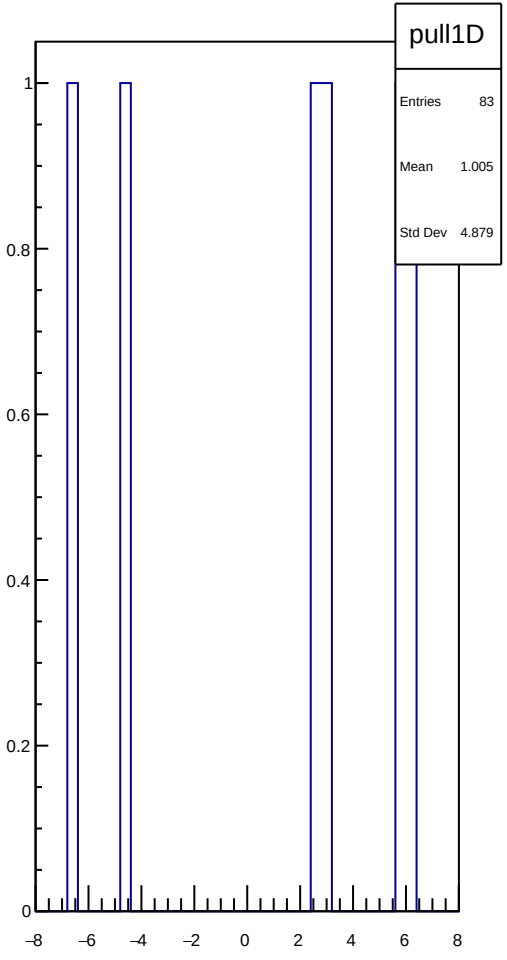

yield_sam2_rms vs run
χ² / ndf 1.412e+05 / 82
p0 0.09811 ± 8.124e−05
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

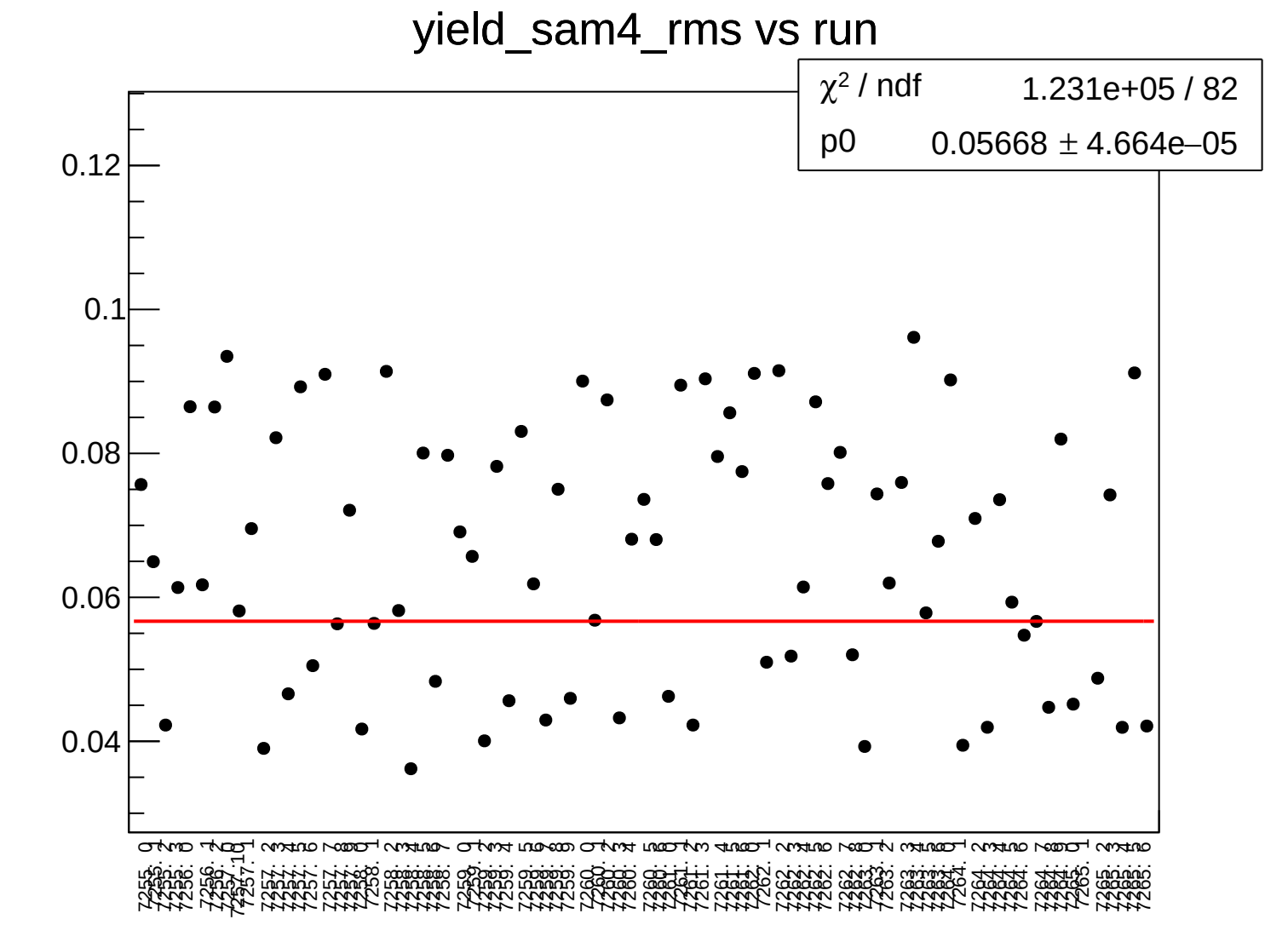

yield_sam3_mean vs run
χ² / ndf 1.299e+06 / 82
p0 33.61± 5.581e−05
33.8
33.75
33.7
33.65
33.6
33.55
33.5
33.45
33.4
pull
Entries 83
Mean 629.6
Std Dev 589.9
300
200
100
0
−100
−200
−300

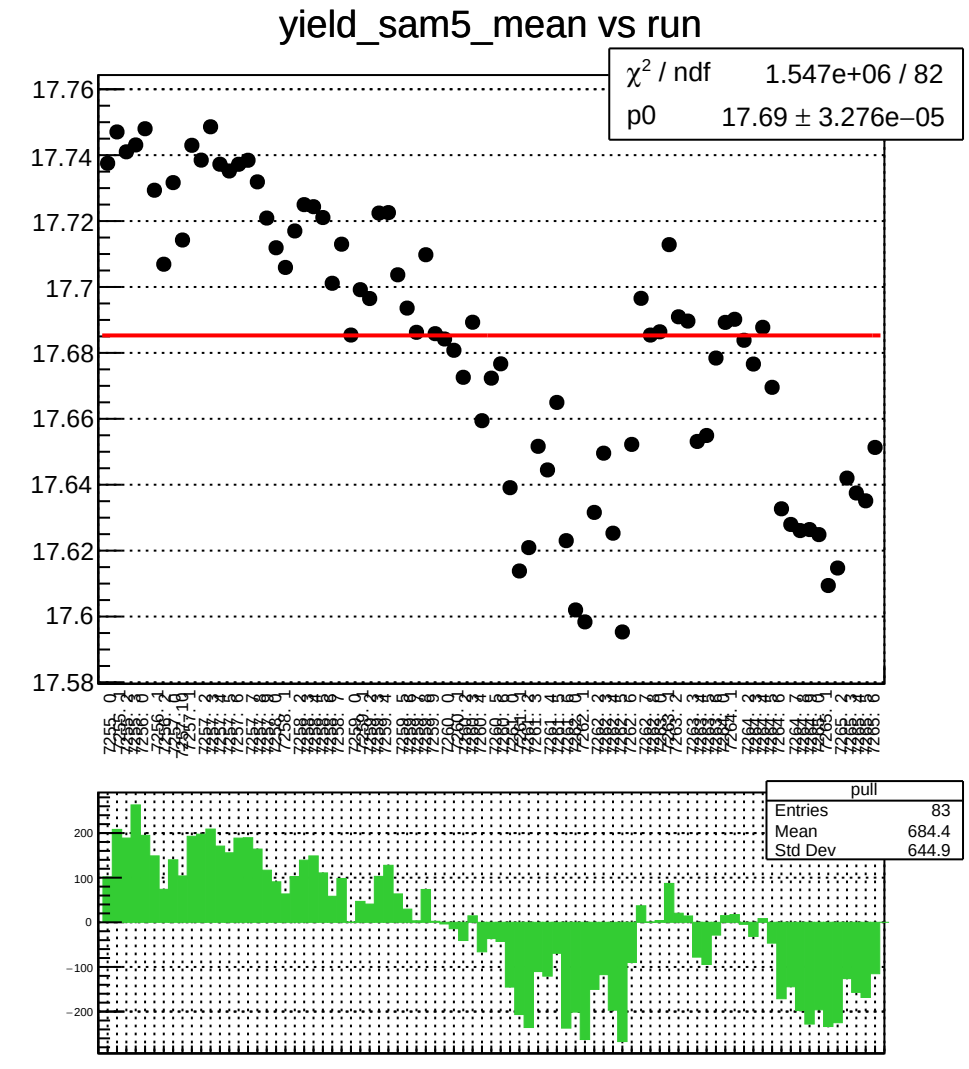

pull1D
Entries 83
Mean −0.6064
Std Dev 4.195
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

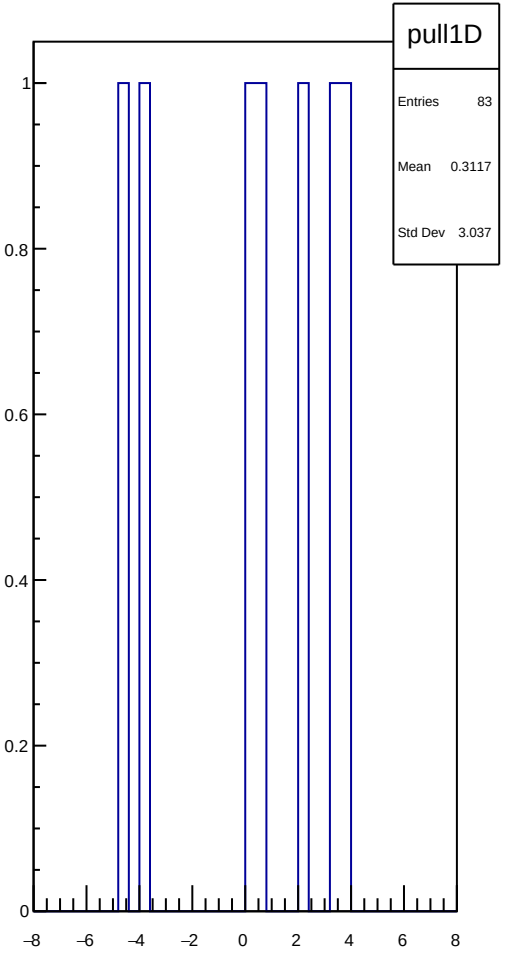

yield_sam3_rms vs run
χ² / ndf 2.439e+05 / 82
p0 0.04595 ± 3.946e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

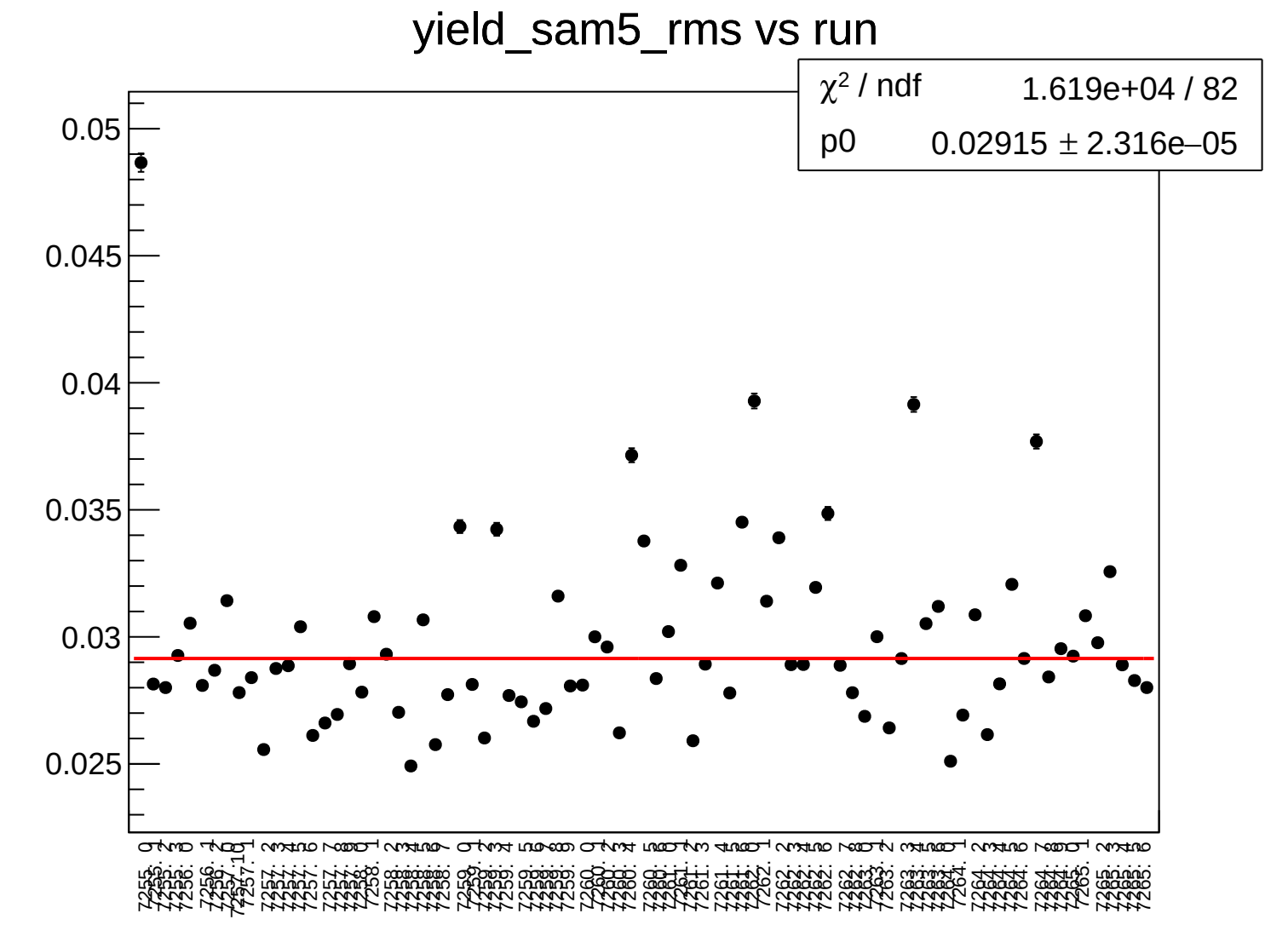

yield_sam4_mean vs run
χ² / ndf 2.007e+06 / 82
p0 16.34 ± 6.596e−05
16.5
16.4
16.3
16.2
16.1
16
pull
Entries 83
Mean 243.7
Std Dev 204
300
200
100
0
−100
−200
−300
−400

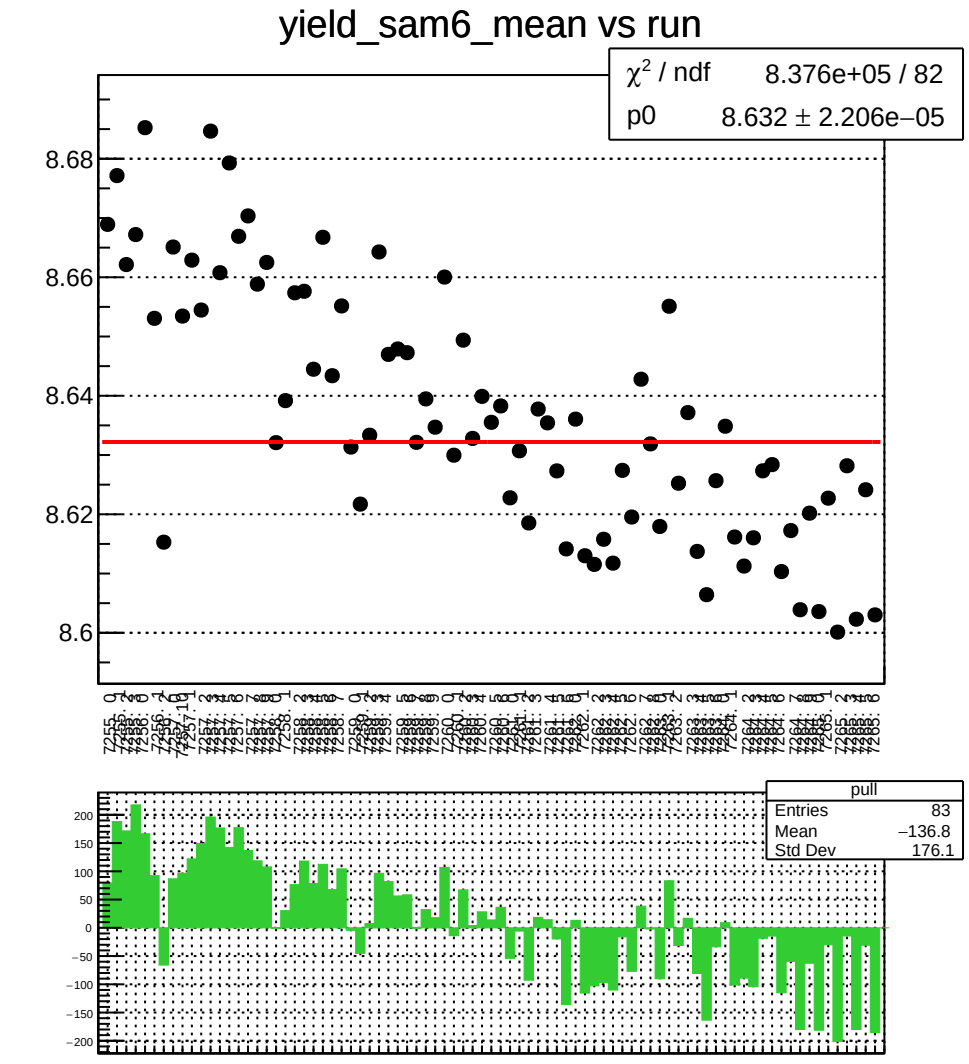

pull1D
Entries 83
Mean 1.005
Std Dev 4.879
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

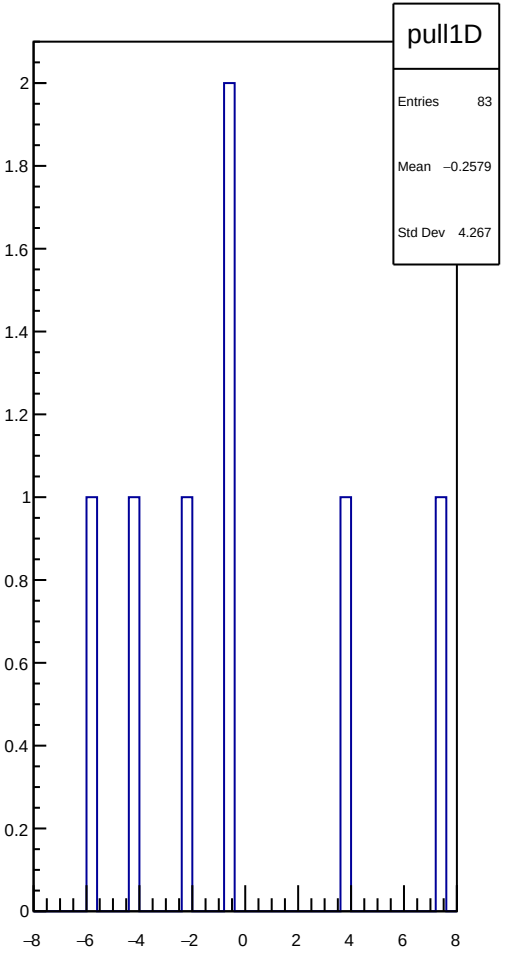

yield_sam4_rms vs run
χ² / ndf 1.231e+05 / 82
p0 0.05668 ± 4.664e–05
0.12
0.1
0.08
0.06
0.04

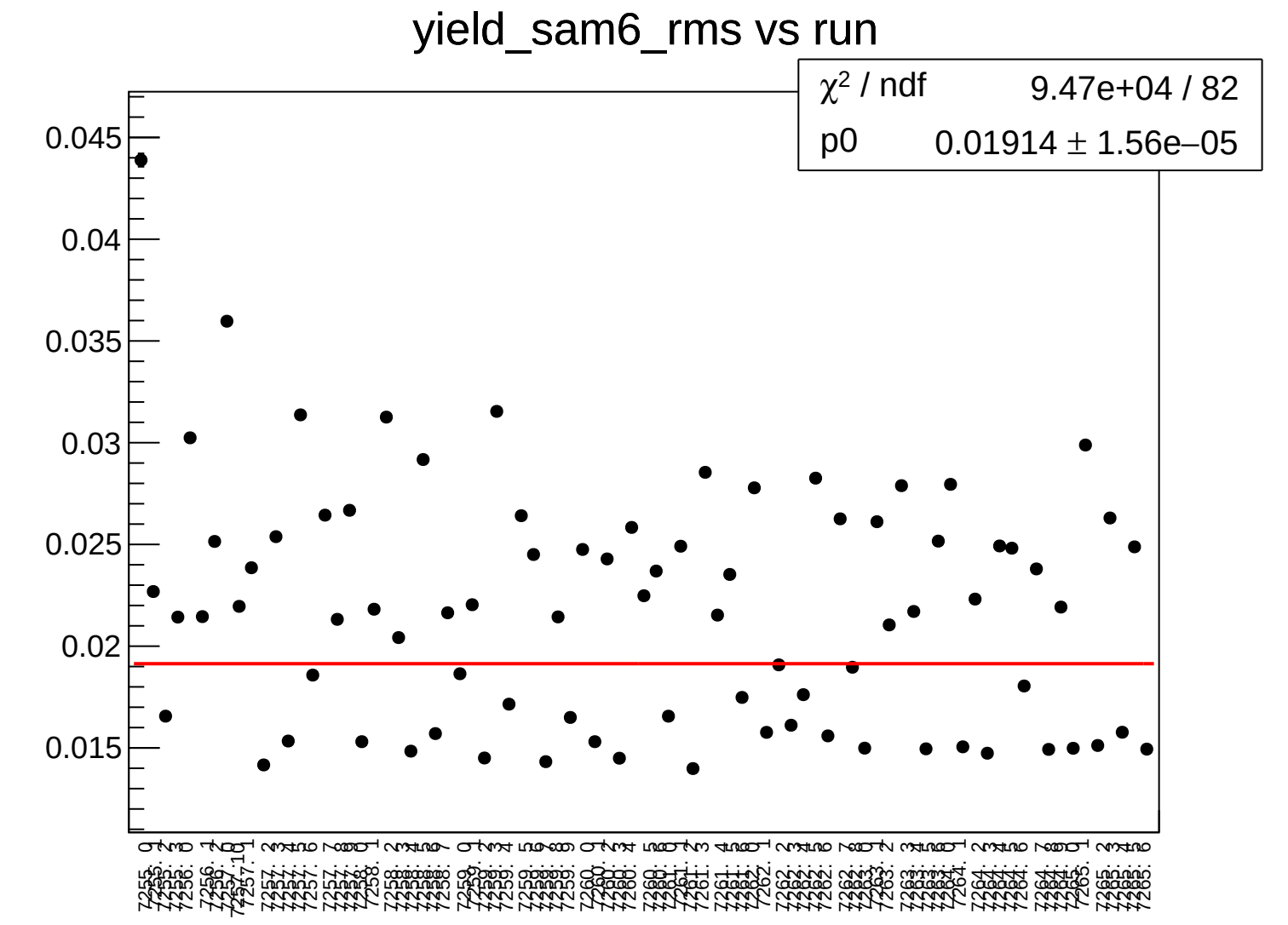

yield_sam5_mean vs run
χ² / ndf 1.547e+06 / 82
p0 17.69 ± 3.276e−05
17.76
17.74
17.72
17.7
17.68
17.66
17.64
17.62
17.6
17.58
pull
Entries 83
Mean 684.4
Std Dev 644.9
200
100
0
−100
−200

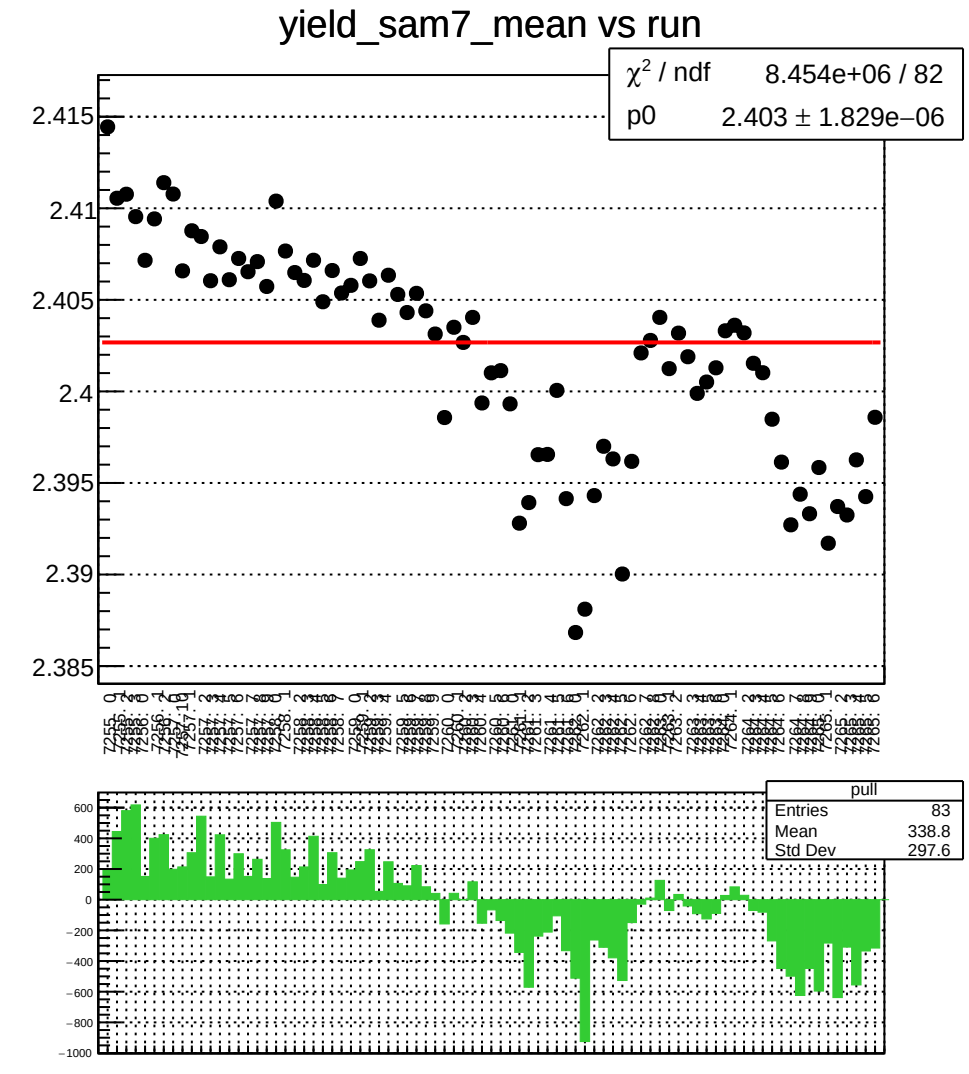

pull1D
Entries 83
Mean 0.3117
Std Dev 3.037
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

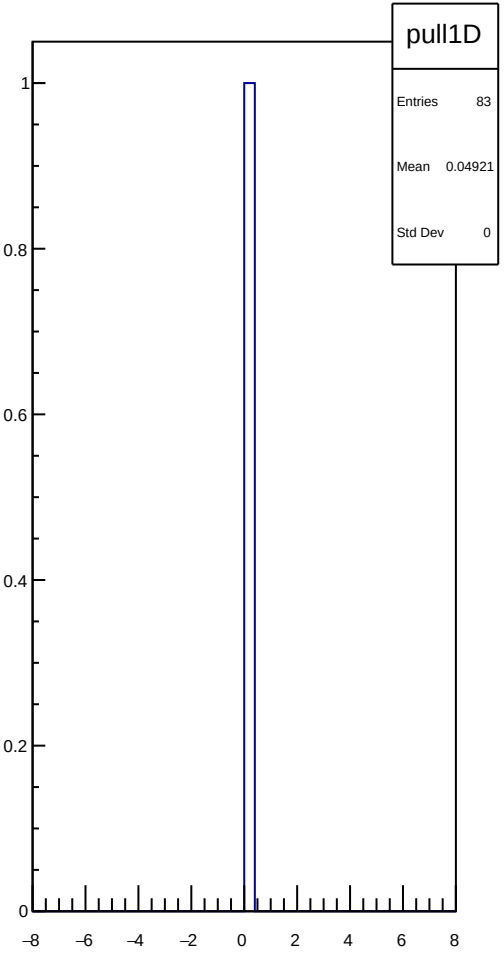

yield_sam5_rms vs run
χ² / ndf 1.619e+04 / 82
p0 0.02915 ± 2.316e−05
0.05
0.045
0.04
0.035
0.03
0.025

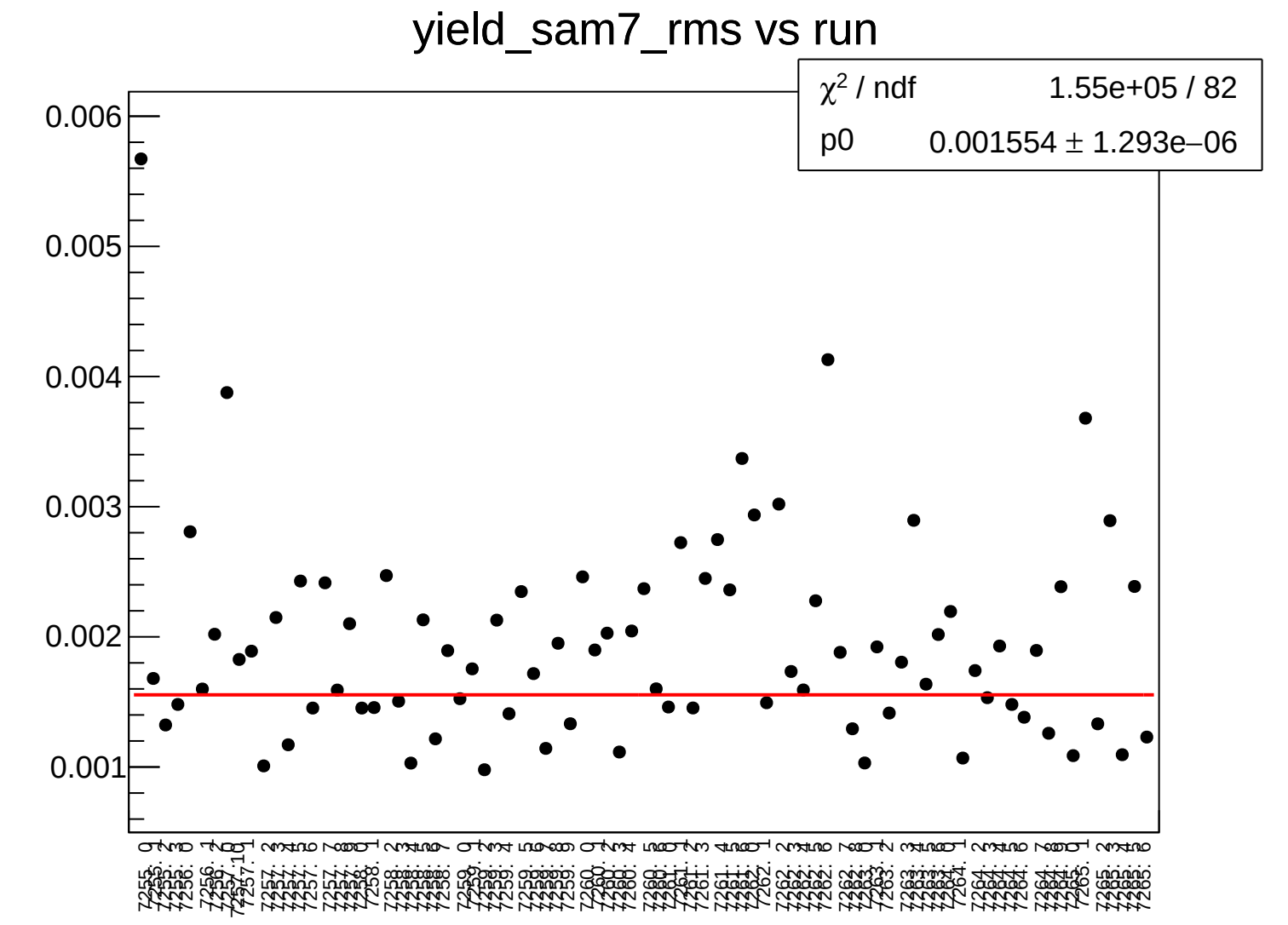

yield_sam6_mean vs run
χ² / ndf 8.376e+05 / 82
p0 8.632 ± 2.206e−05
8.68
8.66
8.64
8.62
8.6
pull
Entries 83
Mean −136.8
Std Dev 176.1
200
150
100
50
0
−50
−100
−150
−200

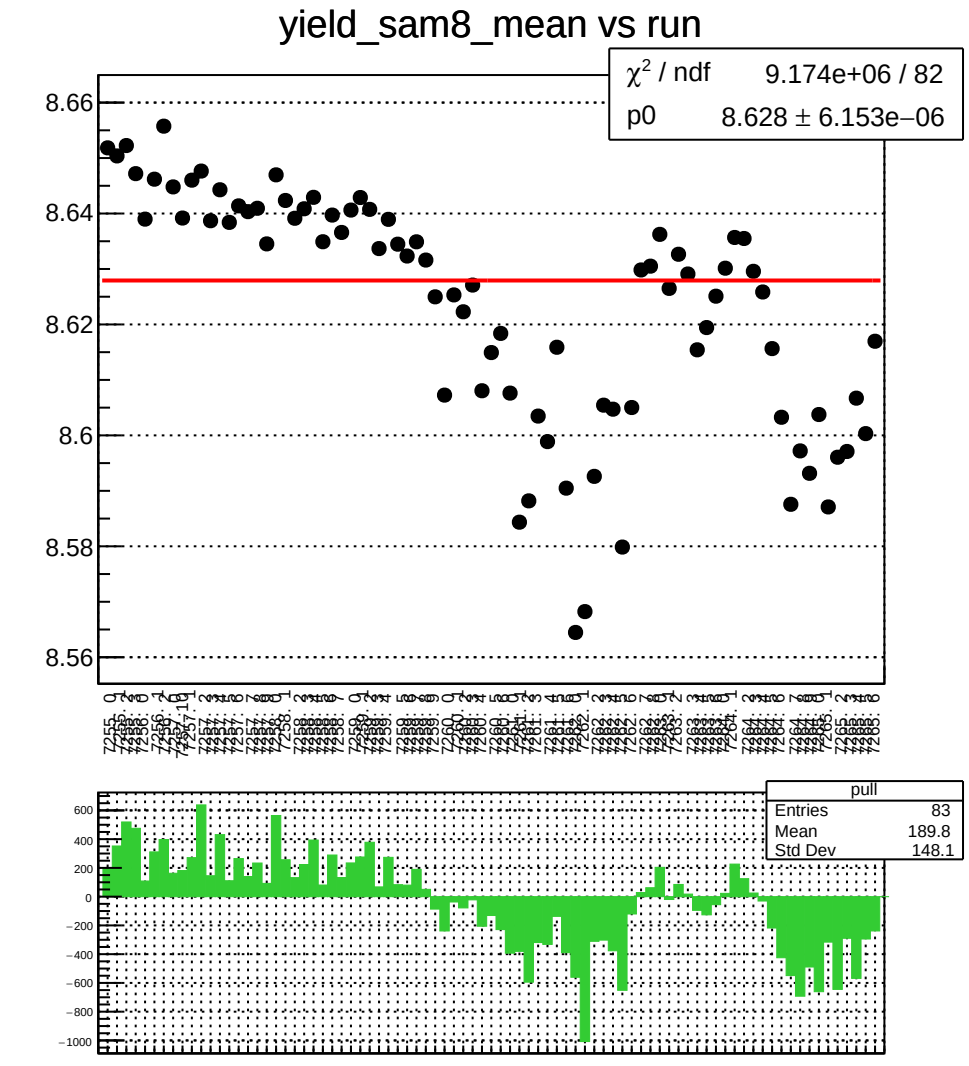

pull1D
Entries 83
Mean −0.2579
Std Dev 4.267
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

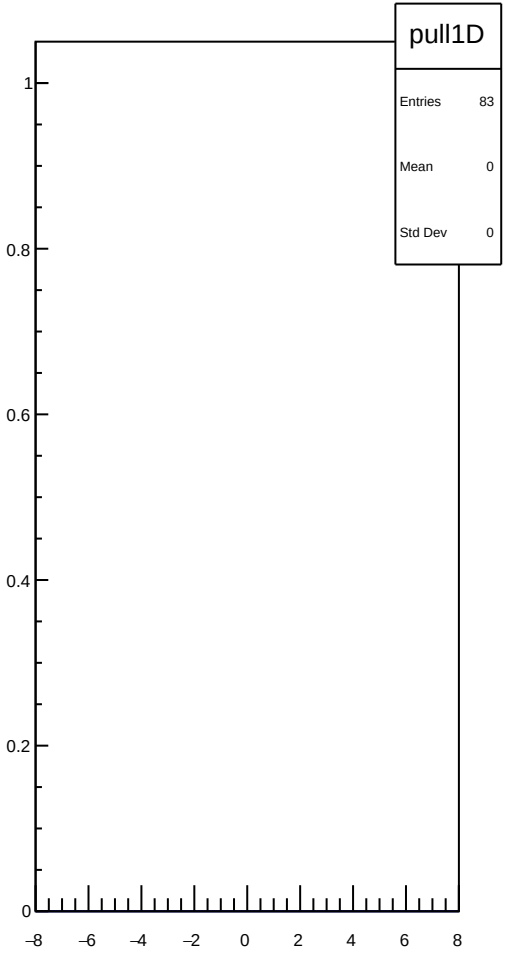

yield_sam6_rms vs run
χ² / ndf 9.47e+04 / 82
p0 0.01914 ± 1.56e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

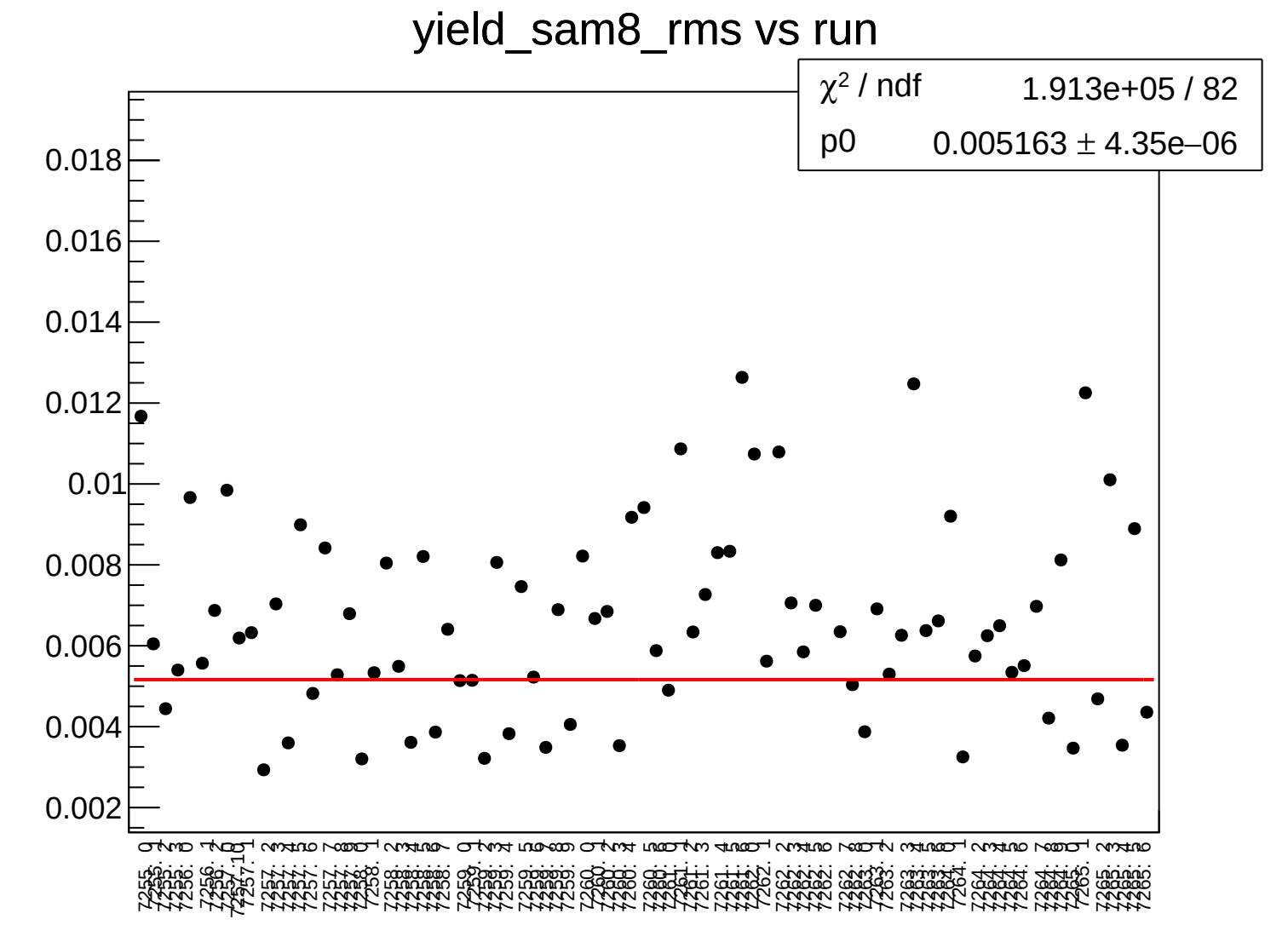

yield_sam7_mean vs run
χ² / ndf 8.454e+06 / 82
p0 2.403 ± 1.829e−06
2.415
2.41
2.405
2.4
2.395
2.39
2.385
pull
Entries 83
Mean 338.8
Std Dev 297.6
600
400
200
0
−200
−400
−600
−800
−1000

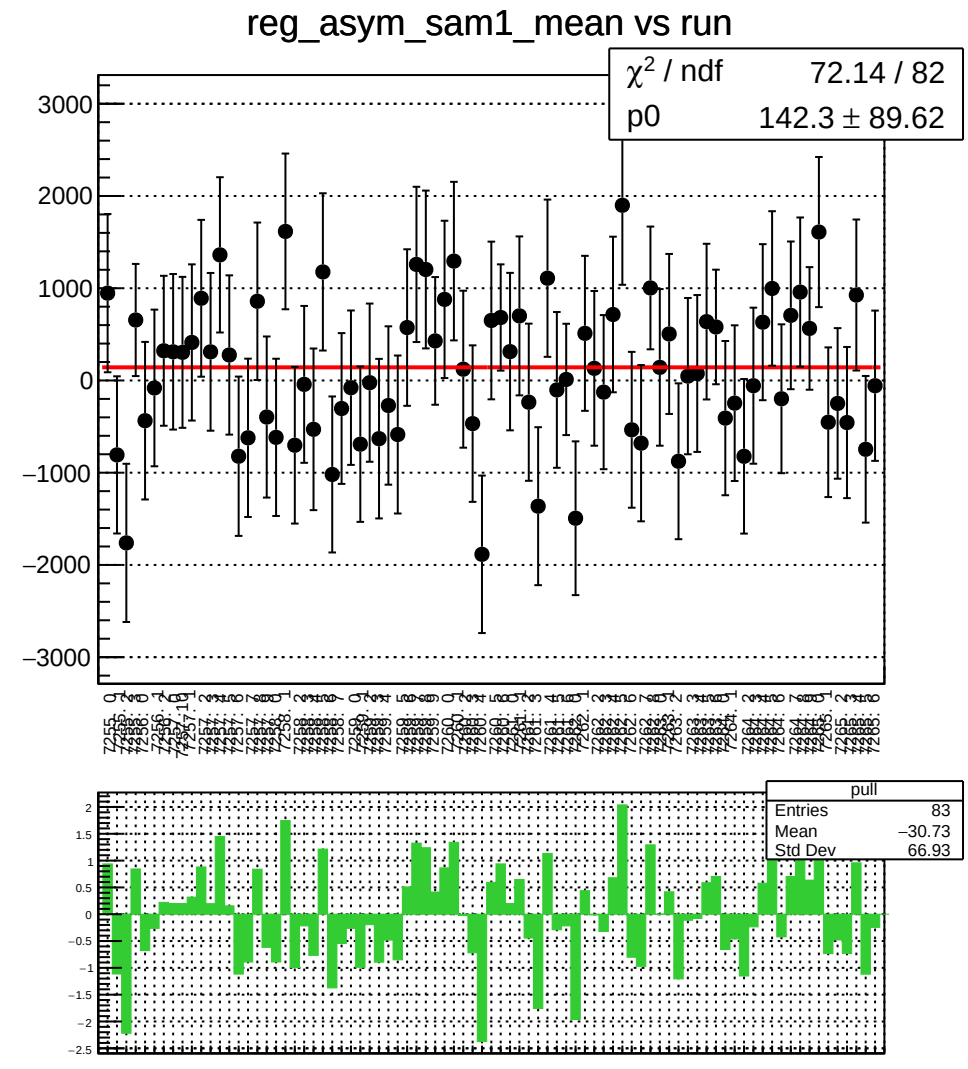

pull1D
Entries 83
Mean 0.04921
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

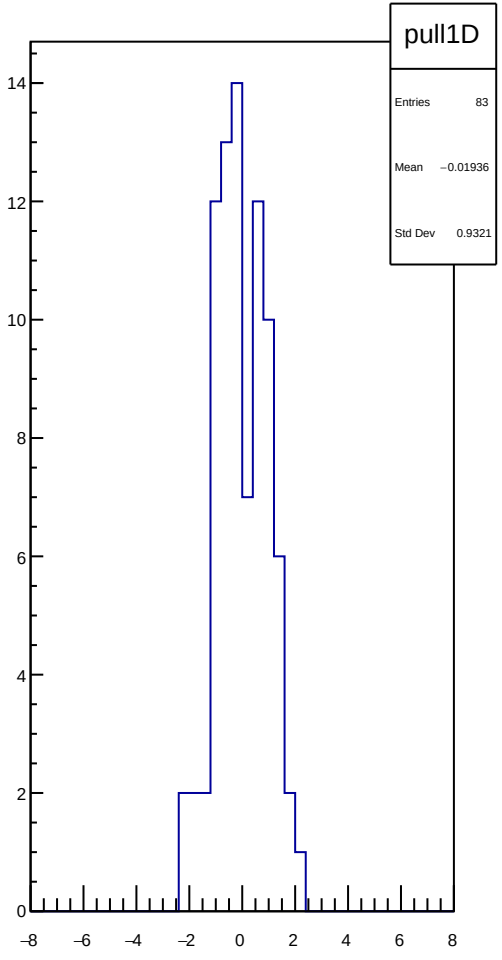

yield_sam7_rms vs run
χ² / ndf 1.55e+05 / 82
p0 0.001554 ± 1.293e−06
0.006
0.005
0.004
0.003
0.002
0.001

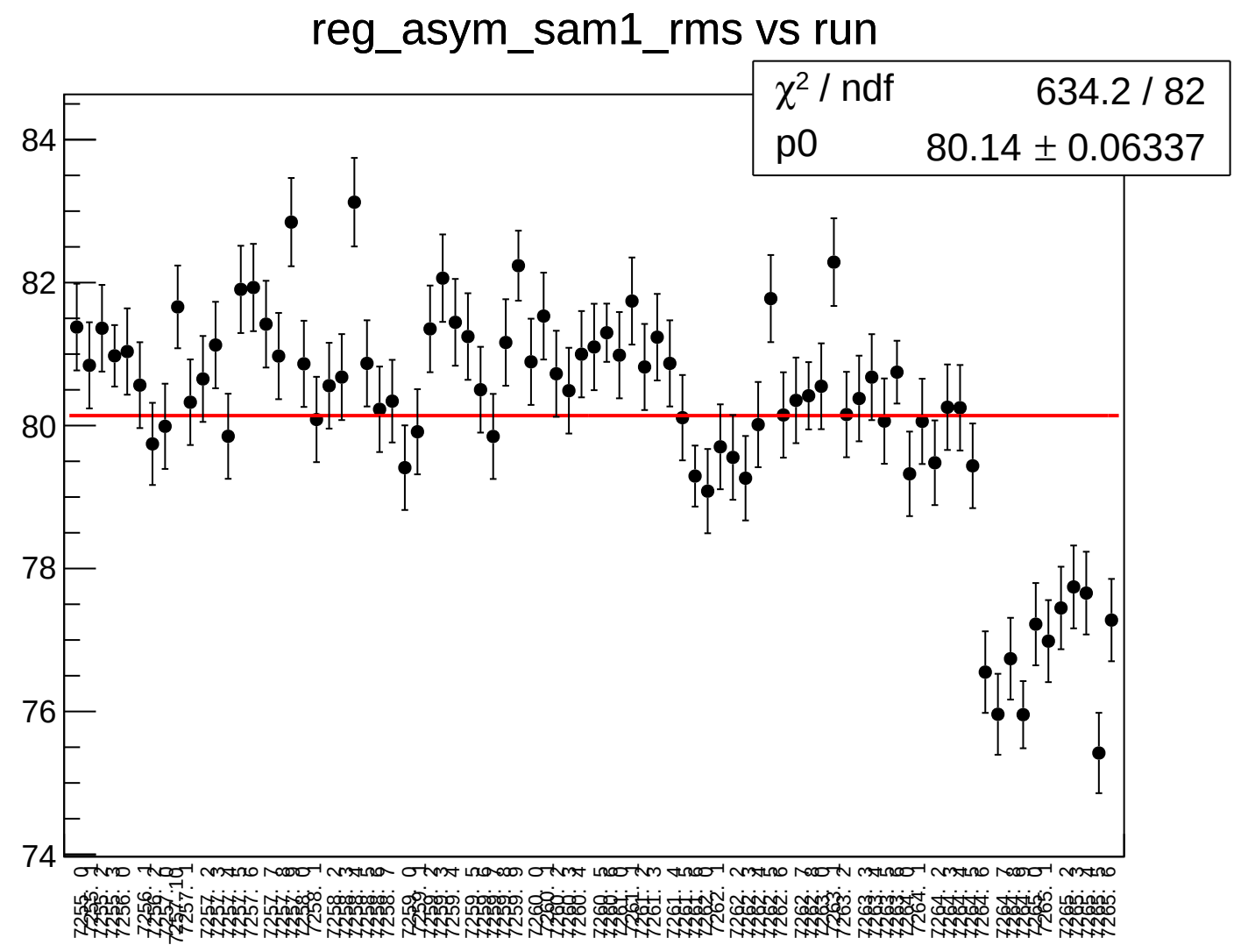

yield_sam8_mean vs run
χ^2 / ndf 9.174e+06 / 82
p0 8.628 ± 6.153e−06
8.66
8.64
8.62
8.6
8.58
8.56
pull
Entries 83
Mean 189.8
Std Dev 148.1
600
400
200
0
−200
−400
−600
−800
−1000

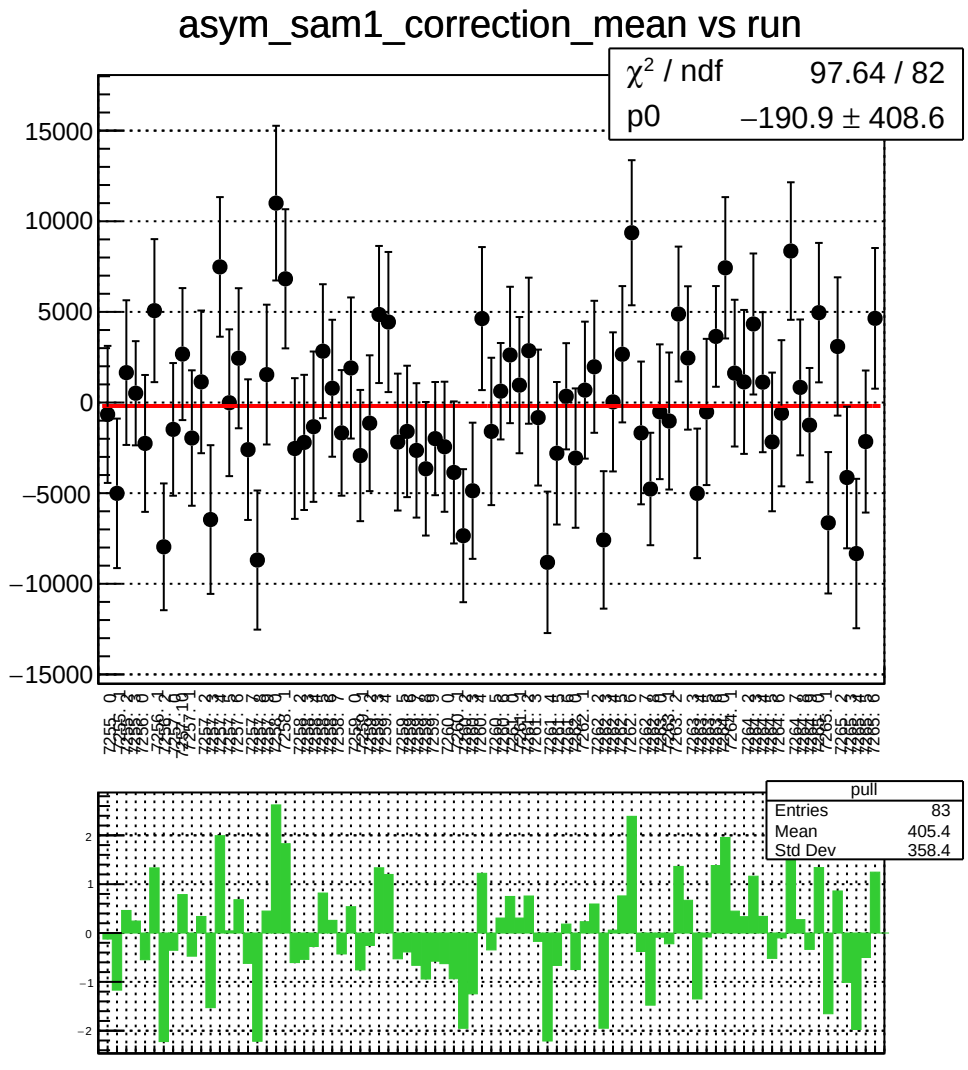

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

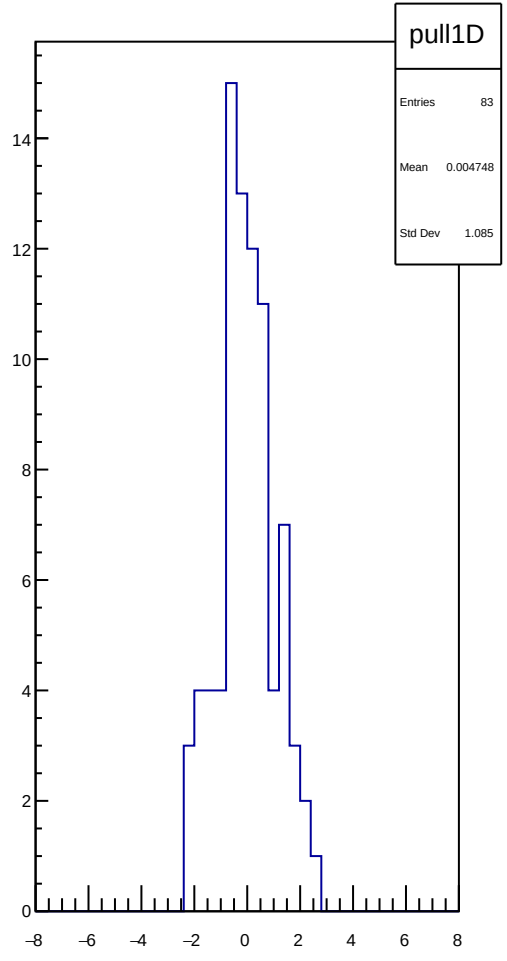

yield_sam8_rms vs run
χ² / ndf 1.913e+05 / 82
p0 0.005163 ± 4.35e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

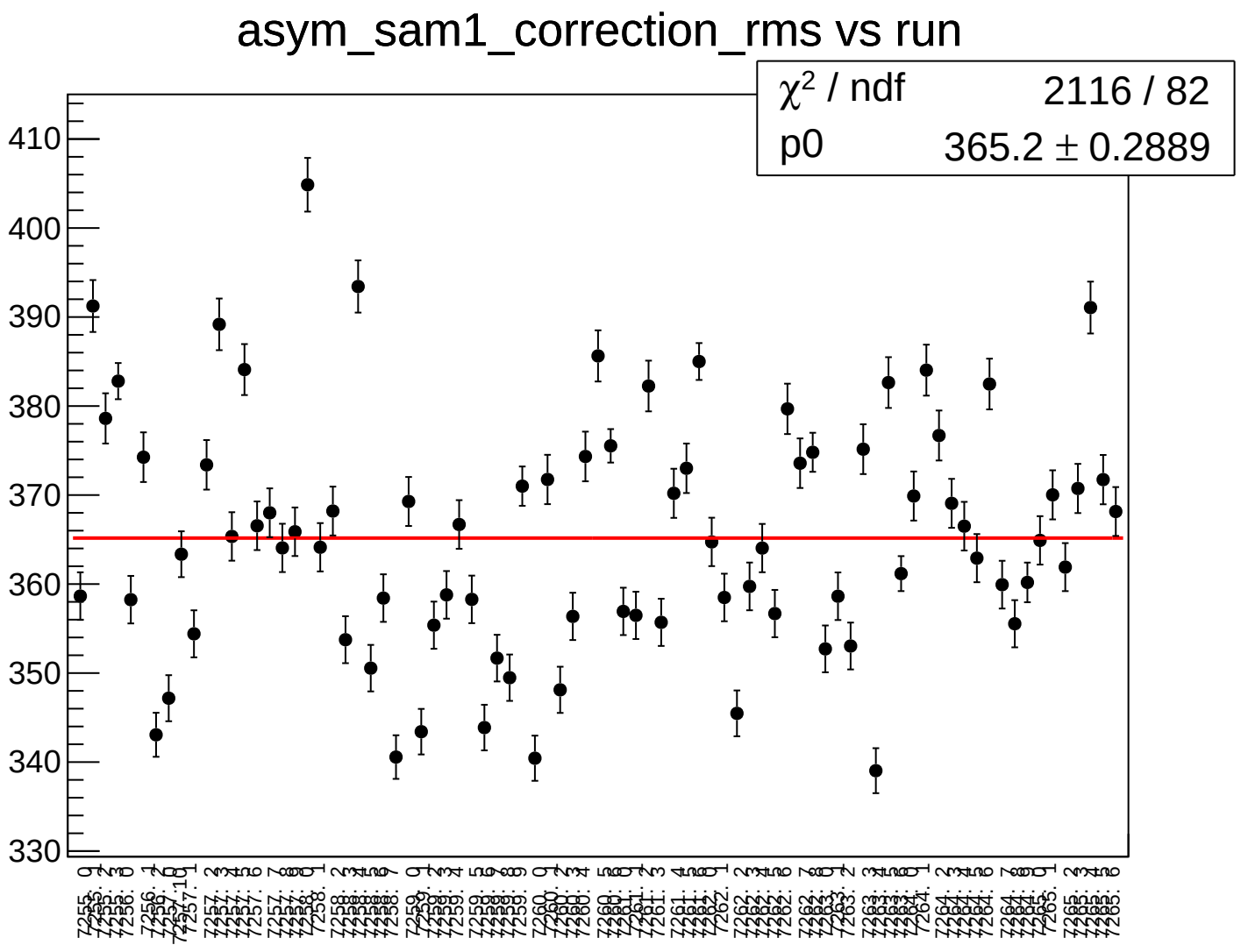

reg_asym_sam1_mean vs run
χ² / ndf 72.14 / 82
p0 142.3 ± 89.62
pull
Entries 83
Mean −30.73
Std Dev 66.93

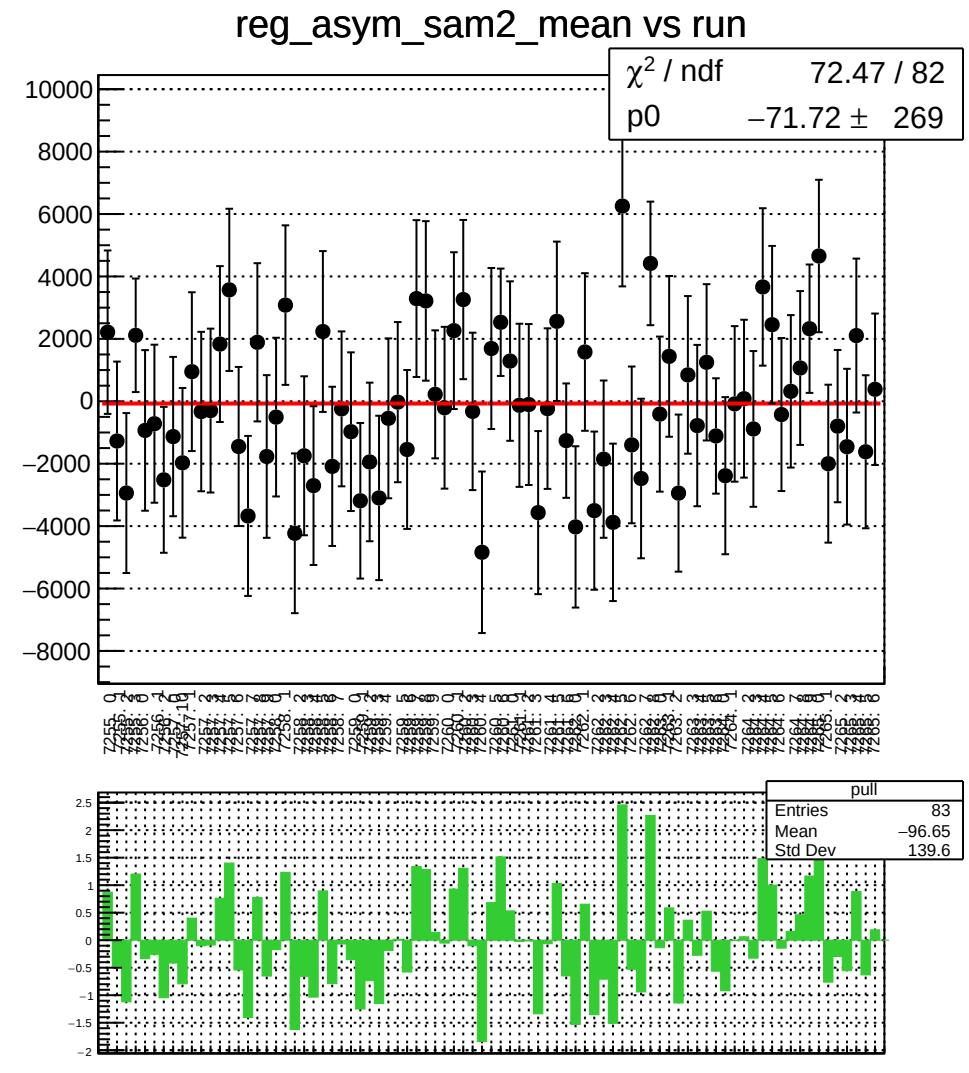

pull1D
Entries 83
Mean −0.01936
Std Dev 0.9321

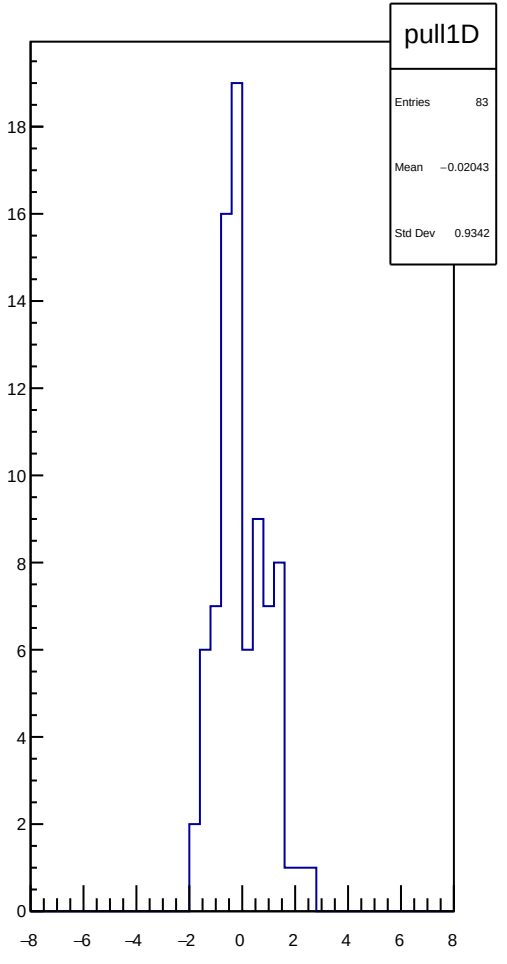

reg_asym_sam1_rms vs run
χ² / ndf 634.2 / 82
p0 80.14 ± 0.06337
84
82
80
78
76
74

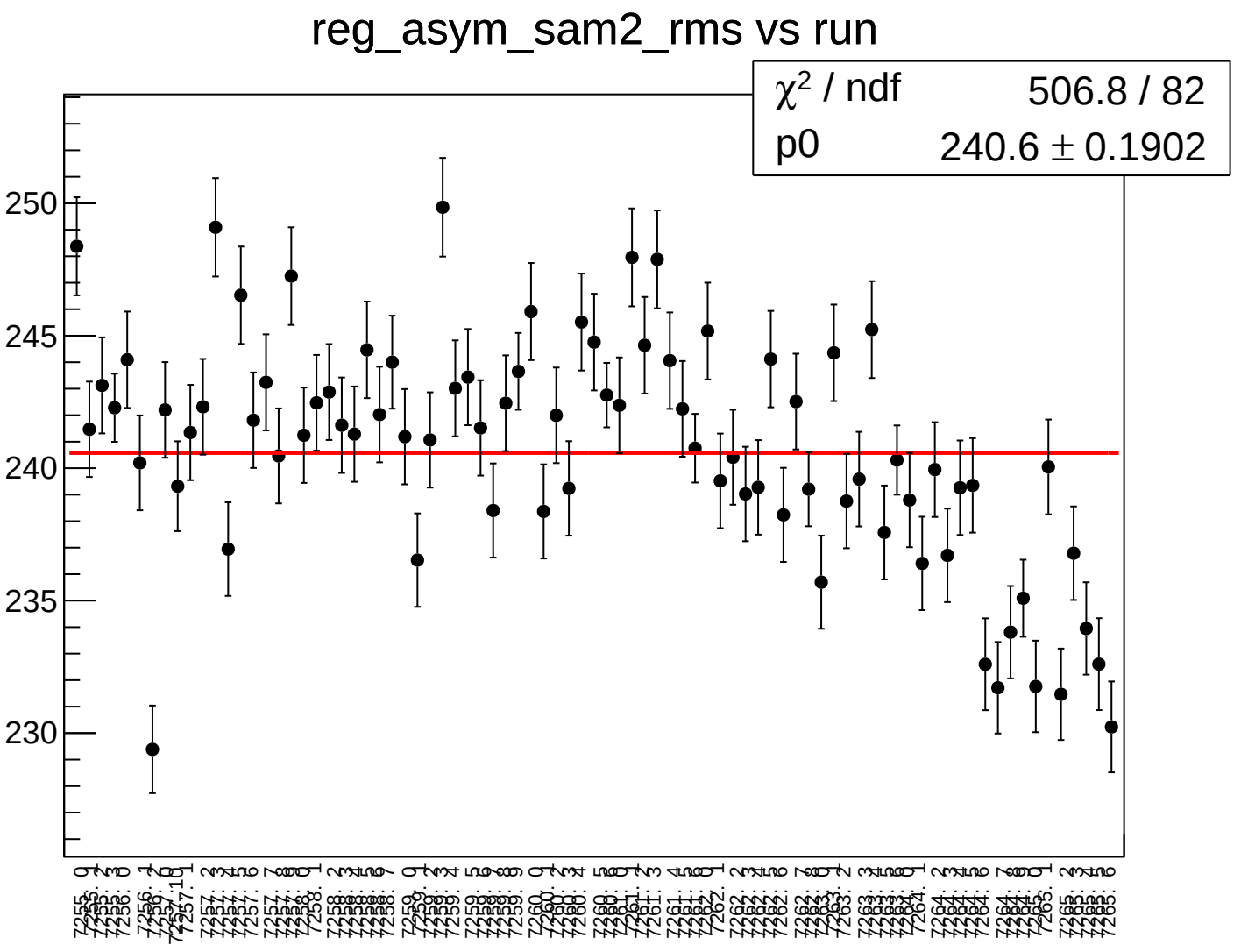

asym_sam1_correction_mean vs run
χ² / ndf 97.64 / 82
p0 −190.9 ± 408.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 405.4
Std Dev 358.4
2
1
0
−1
−2

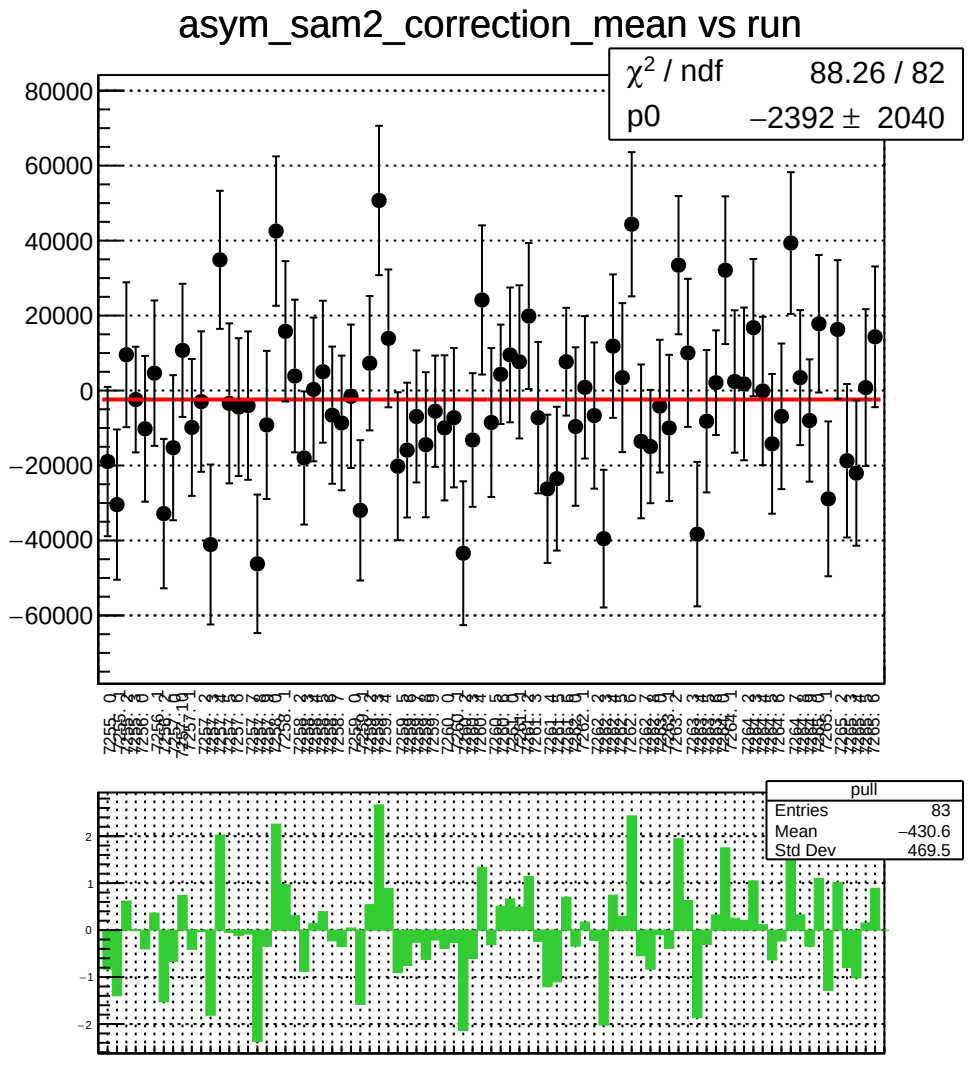

pull1D
Entries 83
Mean 0.004748
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

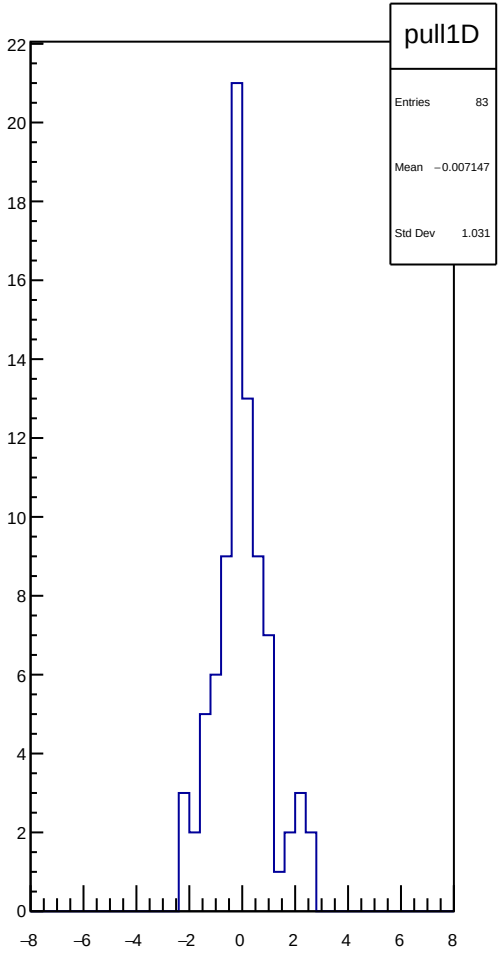

asym_sam1_correction_rms vs run
χ² / ndf 2116 / 82
p0 365.2 ± 0.2889
410
400
390
380
370
360
350
340
330

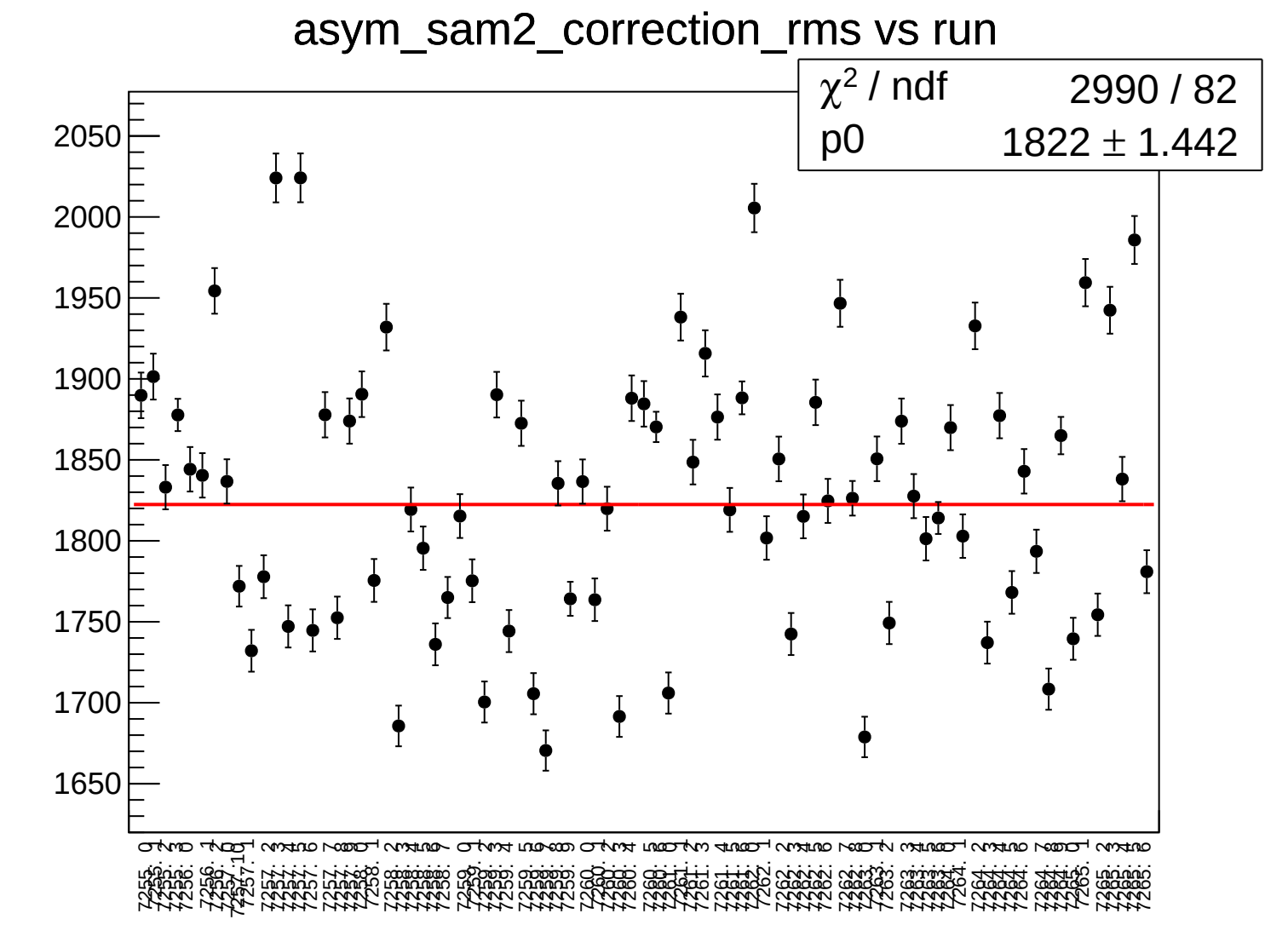

reg_asym_sam2_mean vs run
χ² / ndf 72.47 / 82
p0 −71.72 ± 269
pull
Entries 83
Mean −96.65
Std Dev 139.6

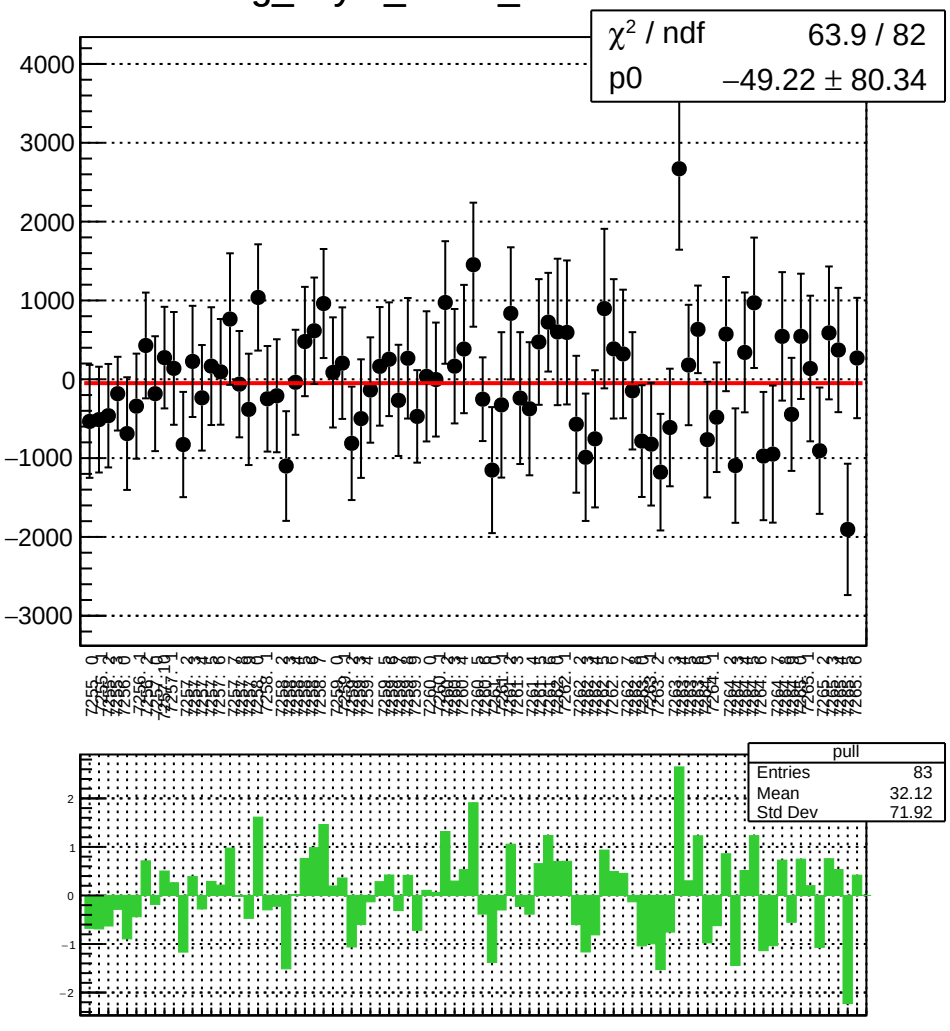

pull1D
Entries 83
Mean −0.02043
Std Dev 0.9342

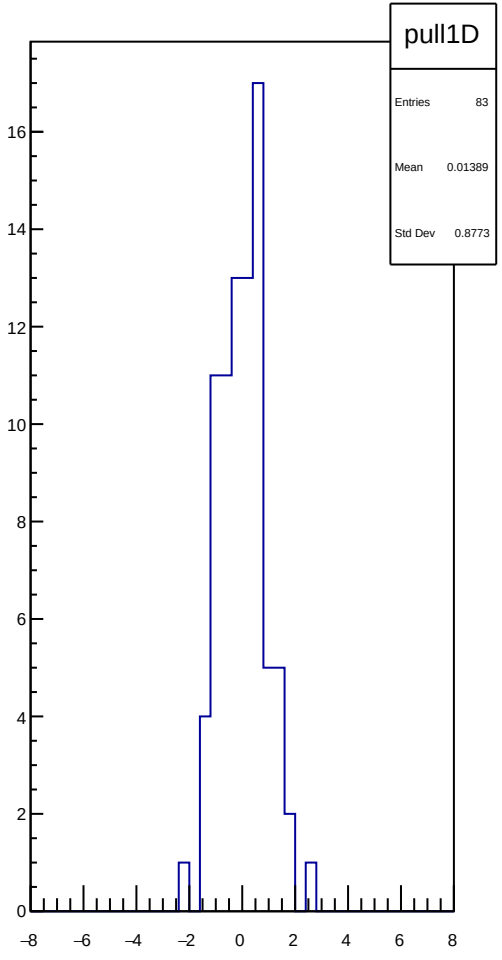

reg_asym_sam2_rms vs run
χ² / ndf 506.8 / 82
p0 240.6 ± 0.1902
250
245
240
235
230

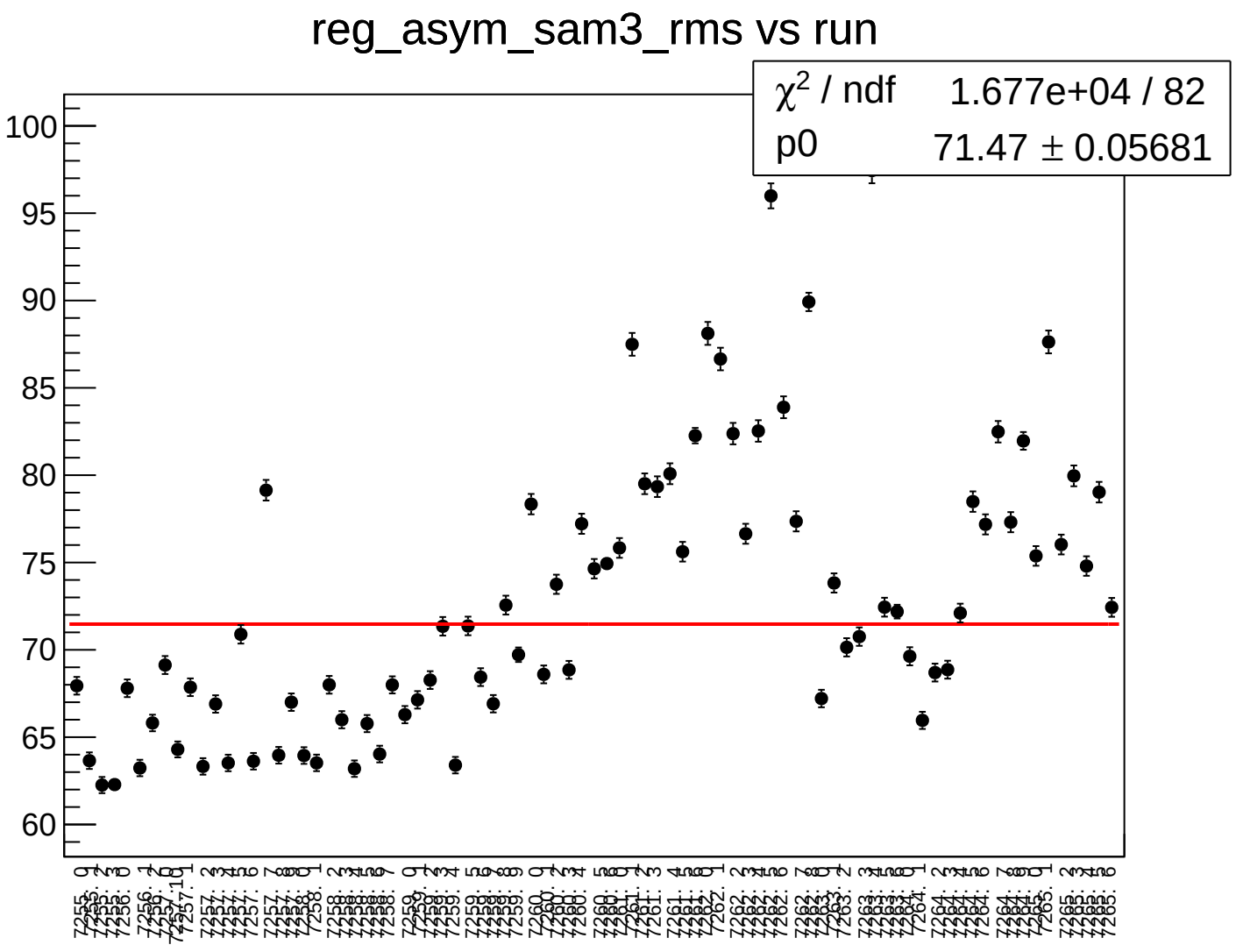

asym_sam2_correction_mean vs run
χ² / ndf 88.26 / 82
p0 −2392 ± 2040
pull
Entries 83
Mean −430.6
Std Dev 469.5

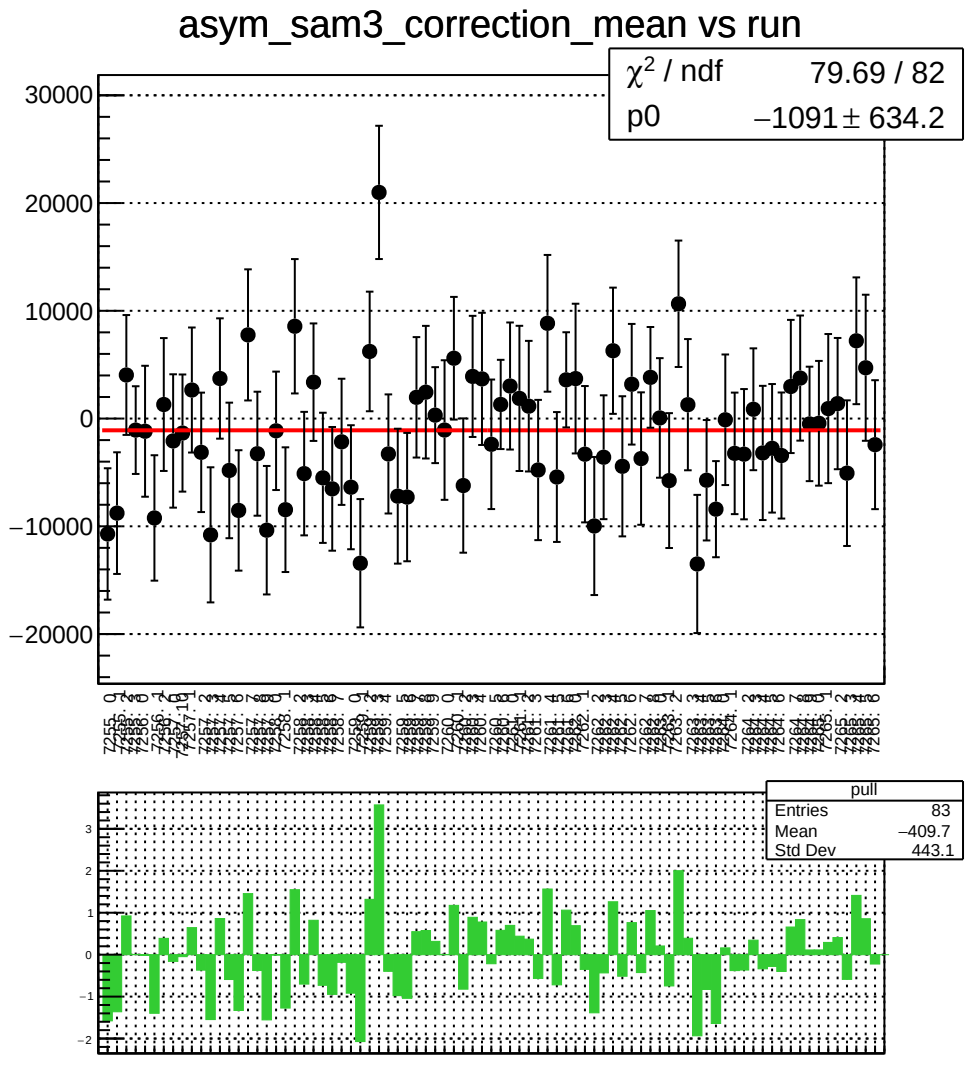

pull1D
Entries 83
Mean −0.007147
Std Dev 1.031

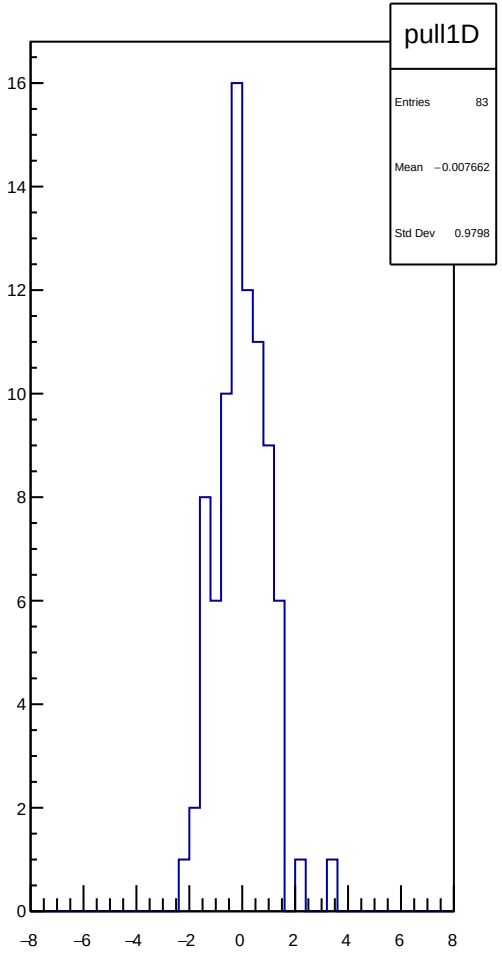

asym_sam2_correction_rms vs run
χ² / ndf 2990 / 82
p0 1822 ± 1.442
2050
2000
1950
1900
1850
1800
1750
1700
1650

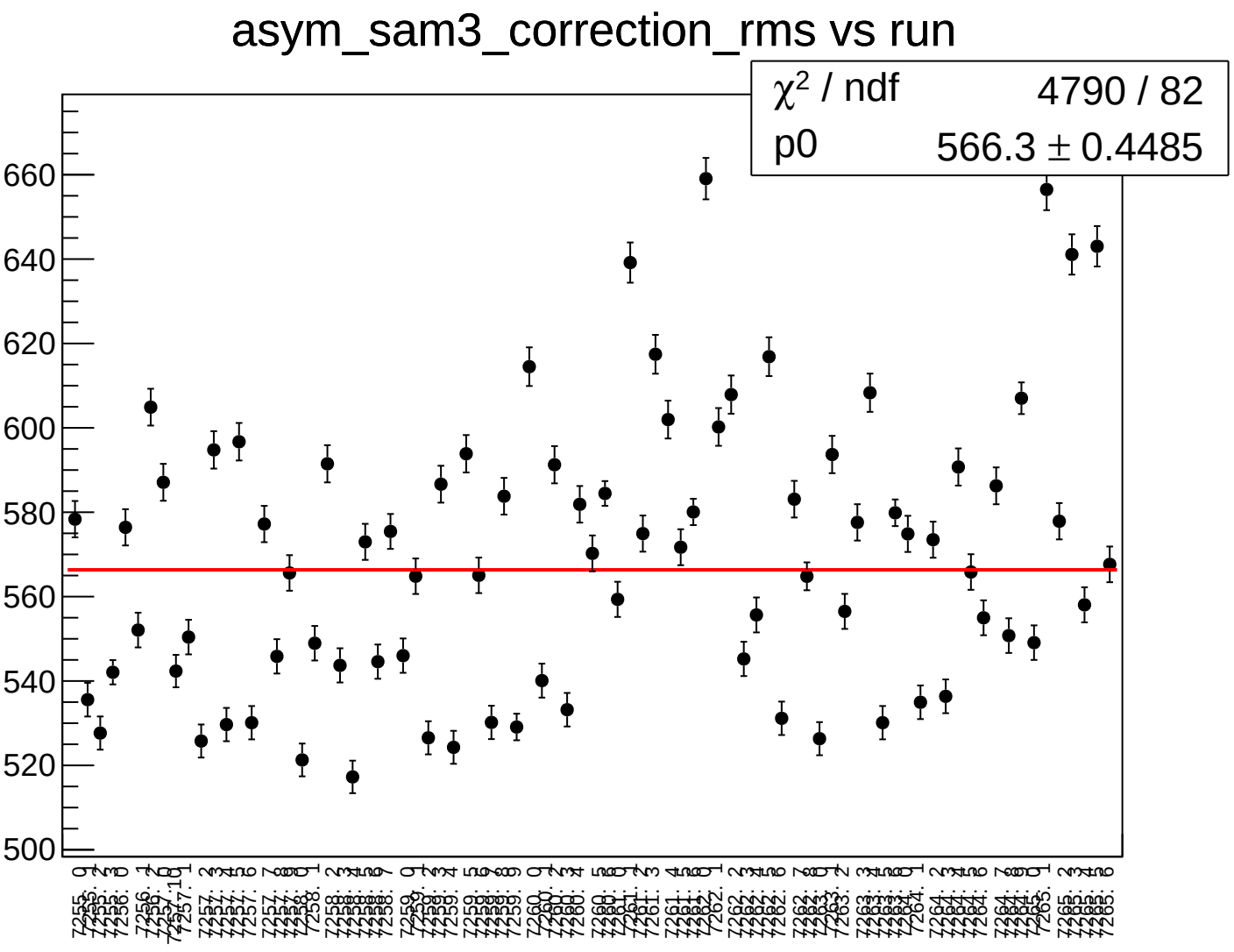

reg_asym_sam3_mean vs run
χ² / ndf 63.9 / 82
p0 −49.22 ± 80.34
pull
Entries 83
Mean 32.12
Std Dev 71.92

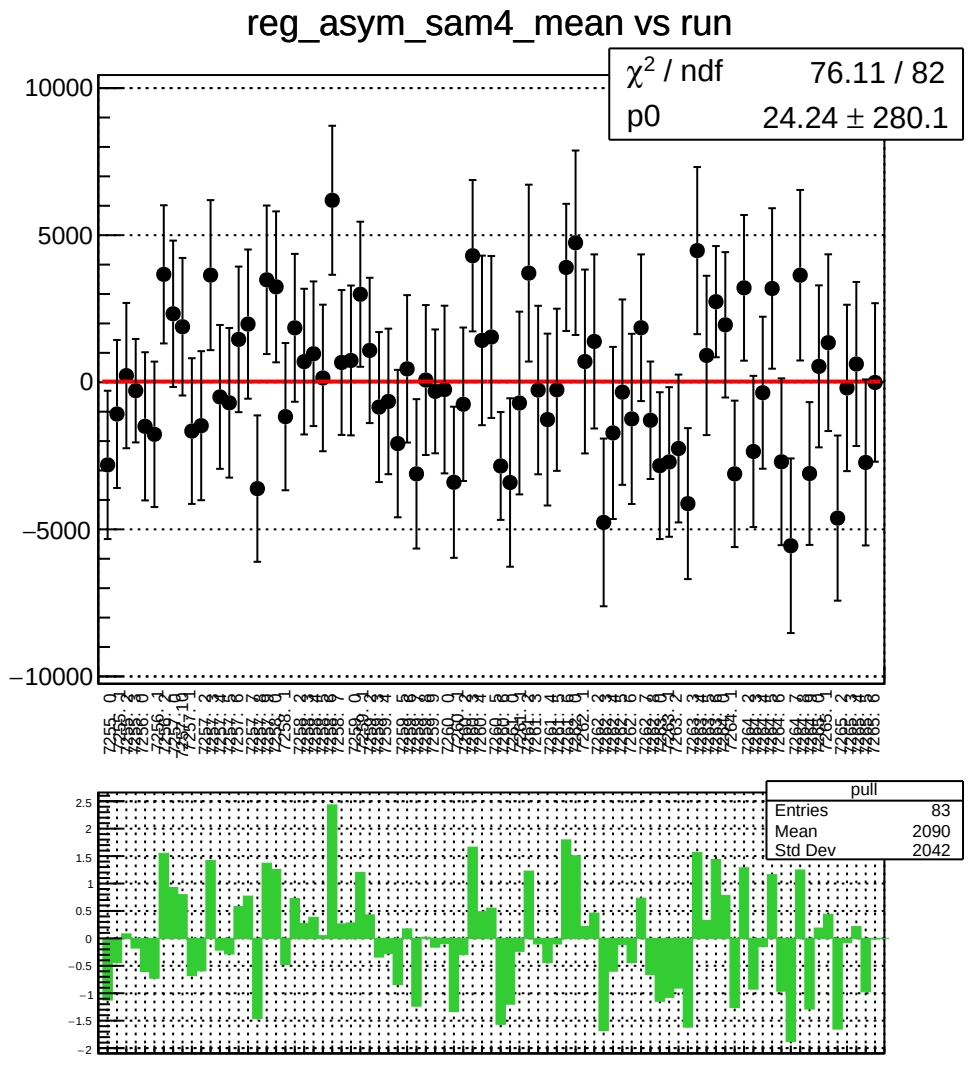

pull1D
Entries 83
Mean 0.01389
Std Dev 0.8773

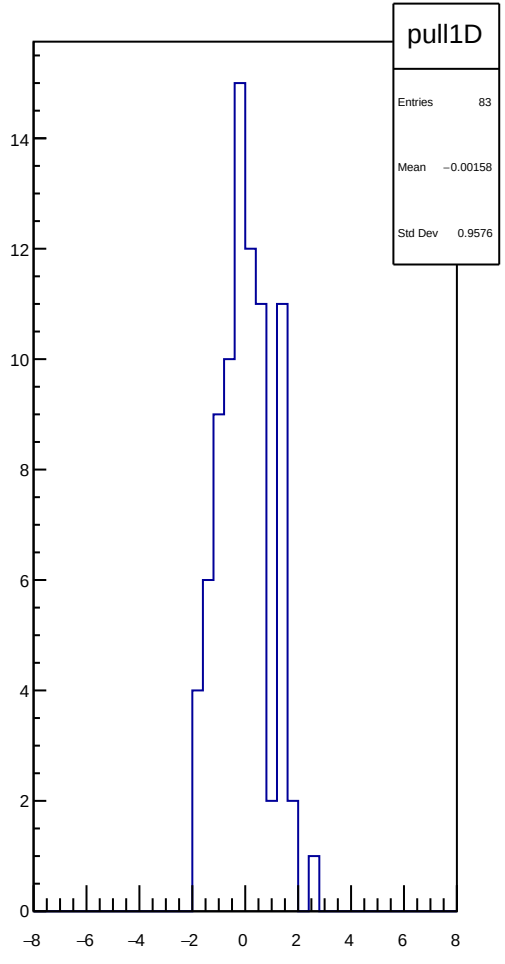

reg_asym_sam3_rms vs run
χ^2 / ndf 1.677e+04 / 82
p0 71.47 ± 0.05681
100
95
90
85
80
75
70
65
60

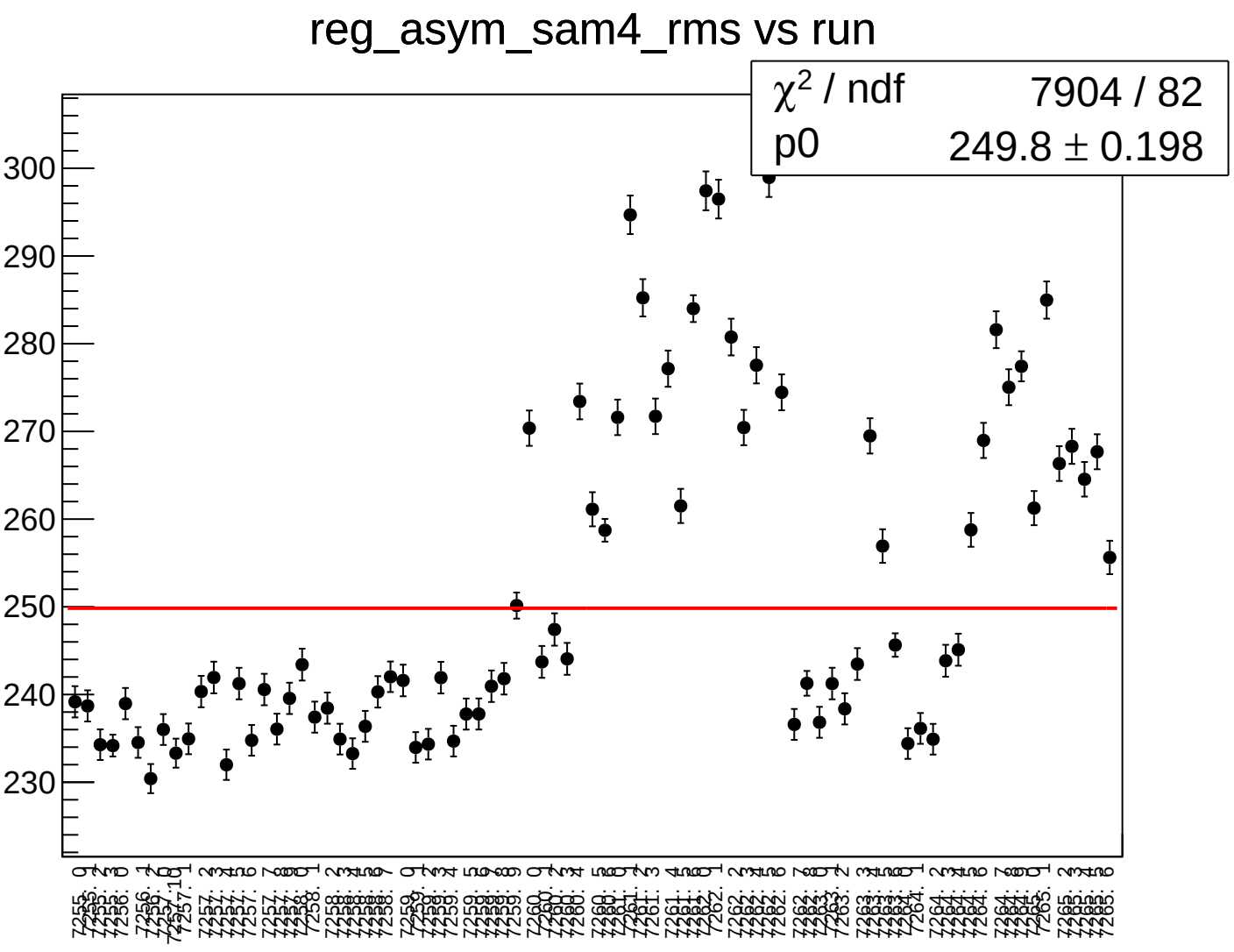

asym_sam3_correction_mean vs run
χ² / ndf 79.69 / 82
p0 −1091 ± 634.2
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −409.7
Std Dev 443.1
3
2
1
0
−1
−2

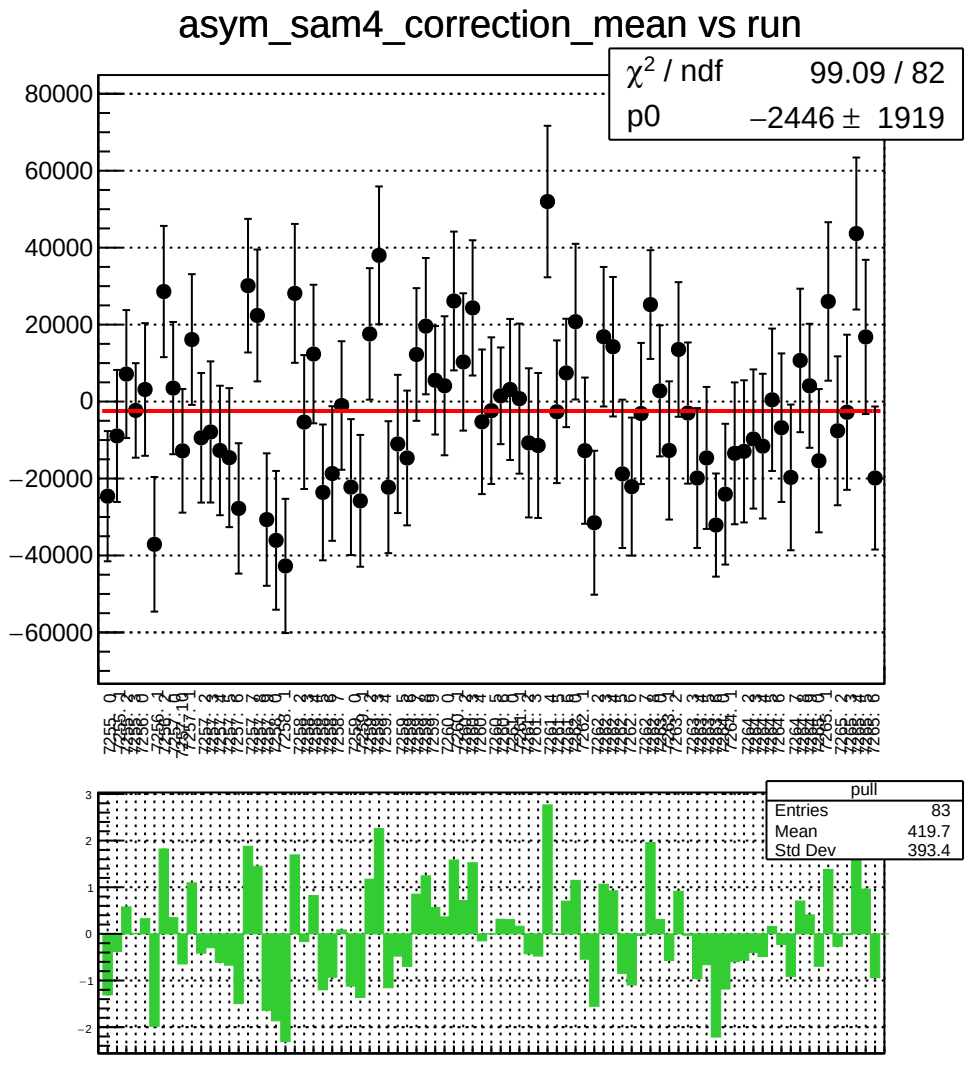

pull1D
Entries 83
Mean −0.007662
Std Dev 0.9798
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

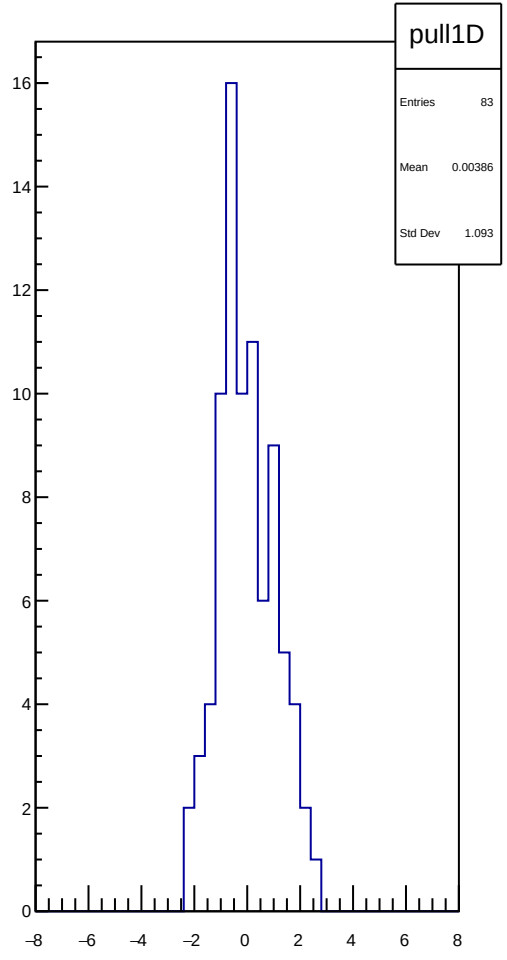

asym_sam3_correction_rms vs run
χ² / ndf 4790 / 82
p0 566.3 ± 0.4485
660
640
620
600
580
560
540
520
500

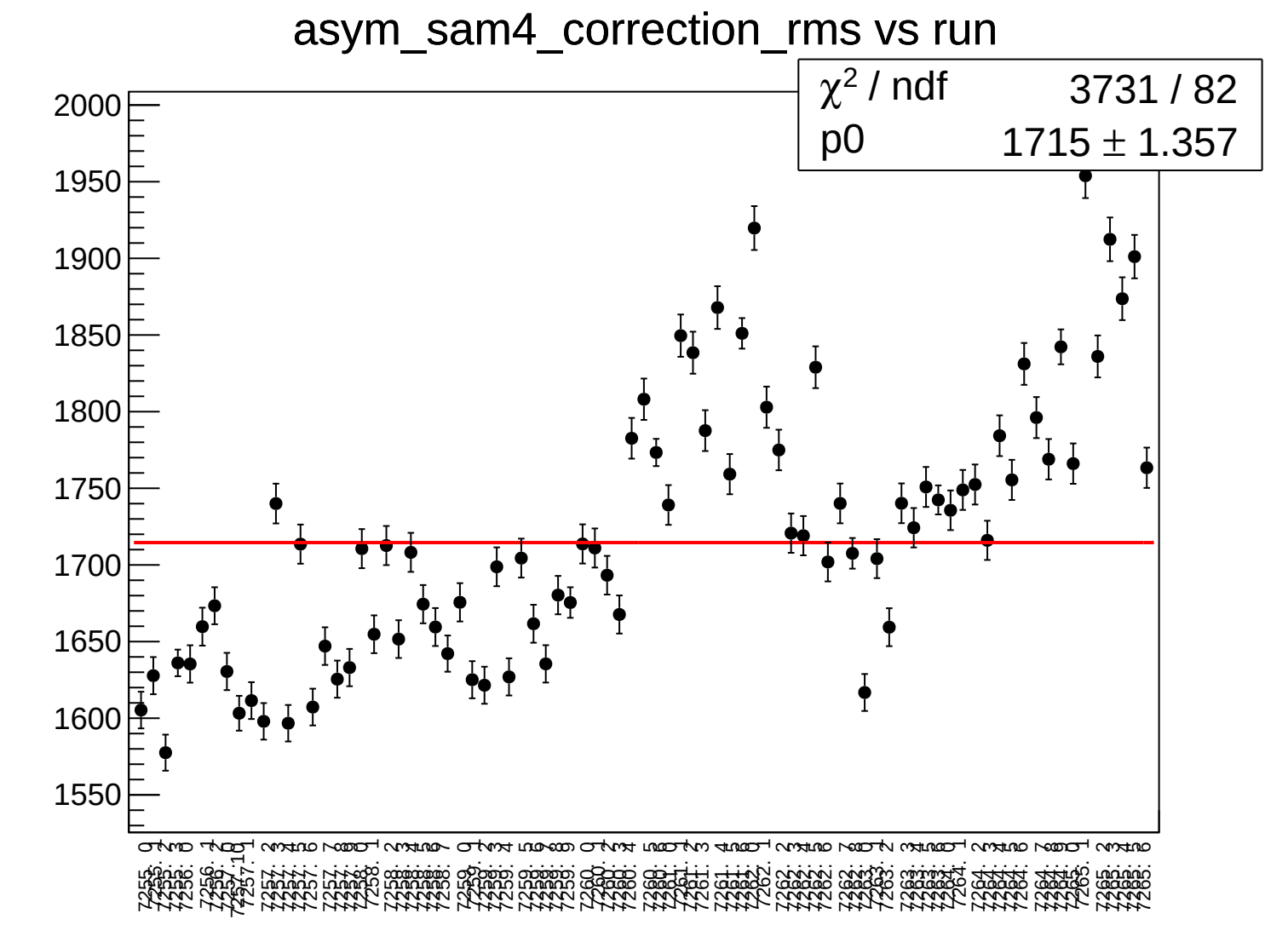

reg_asym_sam4_mean vs run
χ^2 / ndf 76.11 / 82
p0 24.24 ± 280.1
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 2090
Std Dev 2042
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

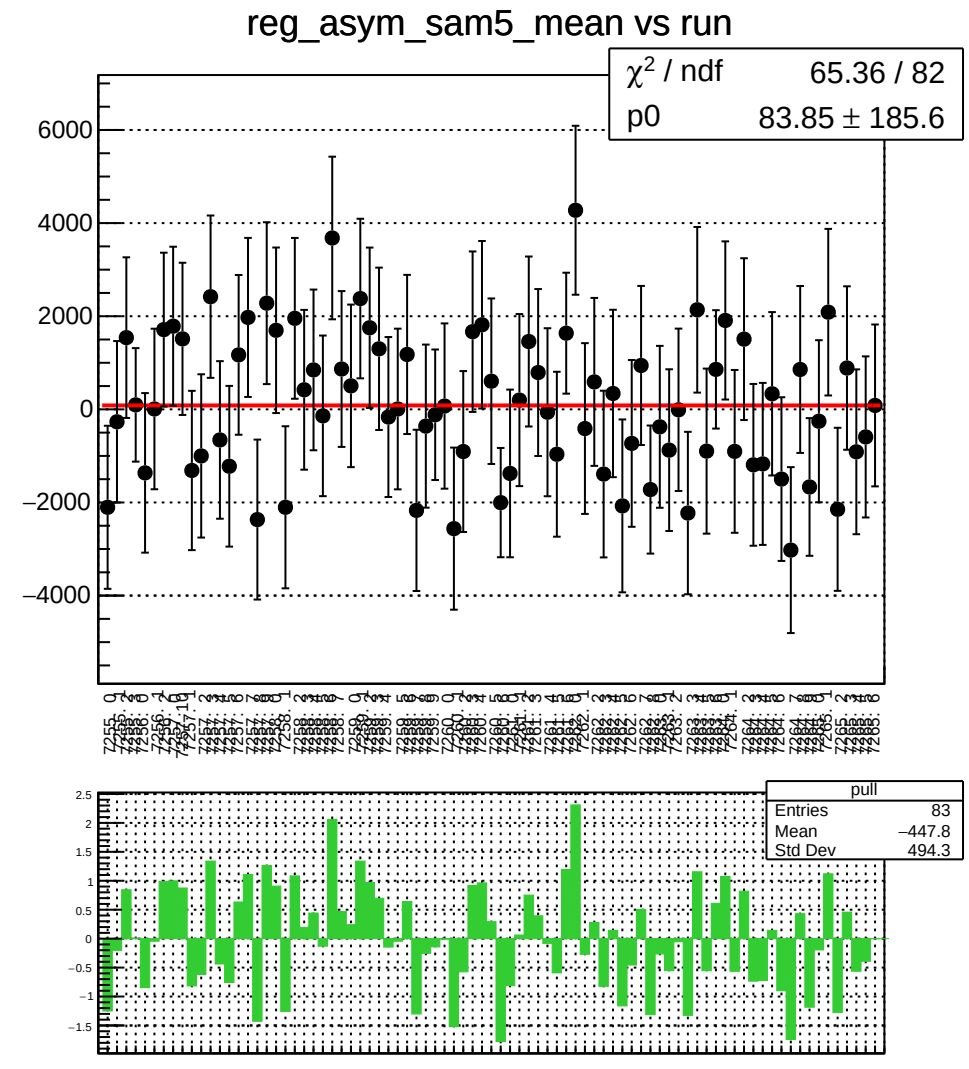

pull1D
Entries 83
Mean −0.00158
Std Dev 0.9576
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

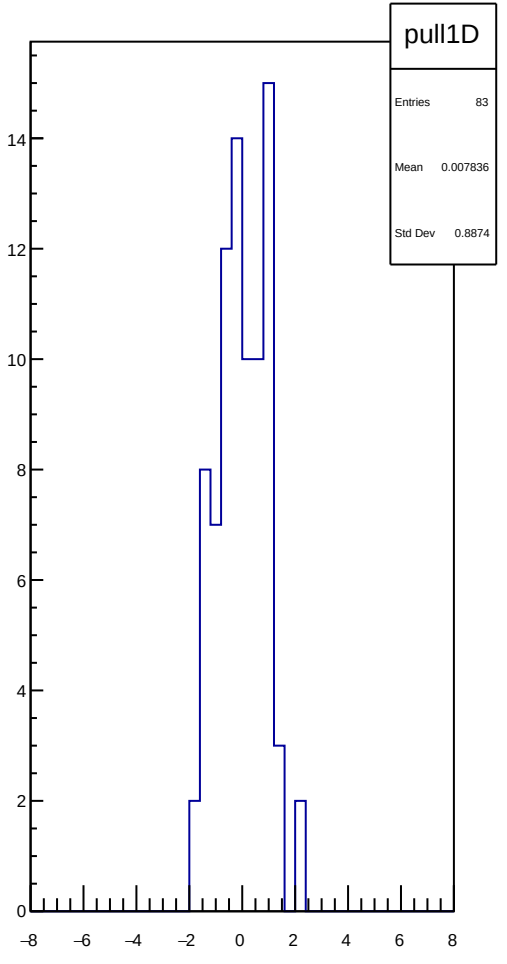

reg_asym_sam4_rms vs run
χ² / ndf 7904 / 82
p0 249.8 ± 0.198
300
290
280
270
260
250
240
230

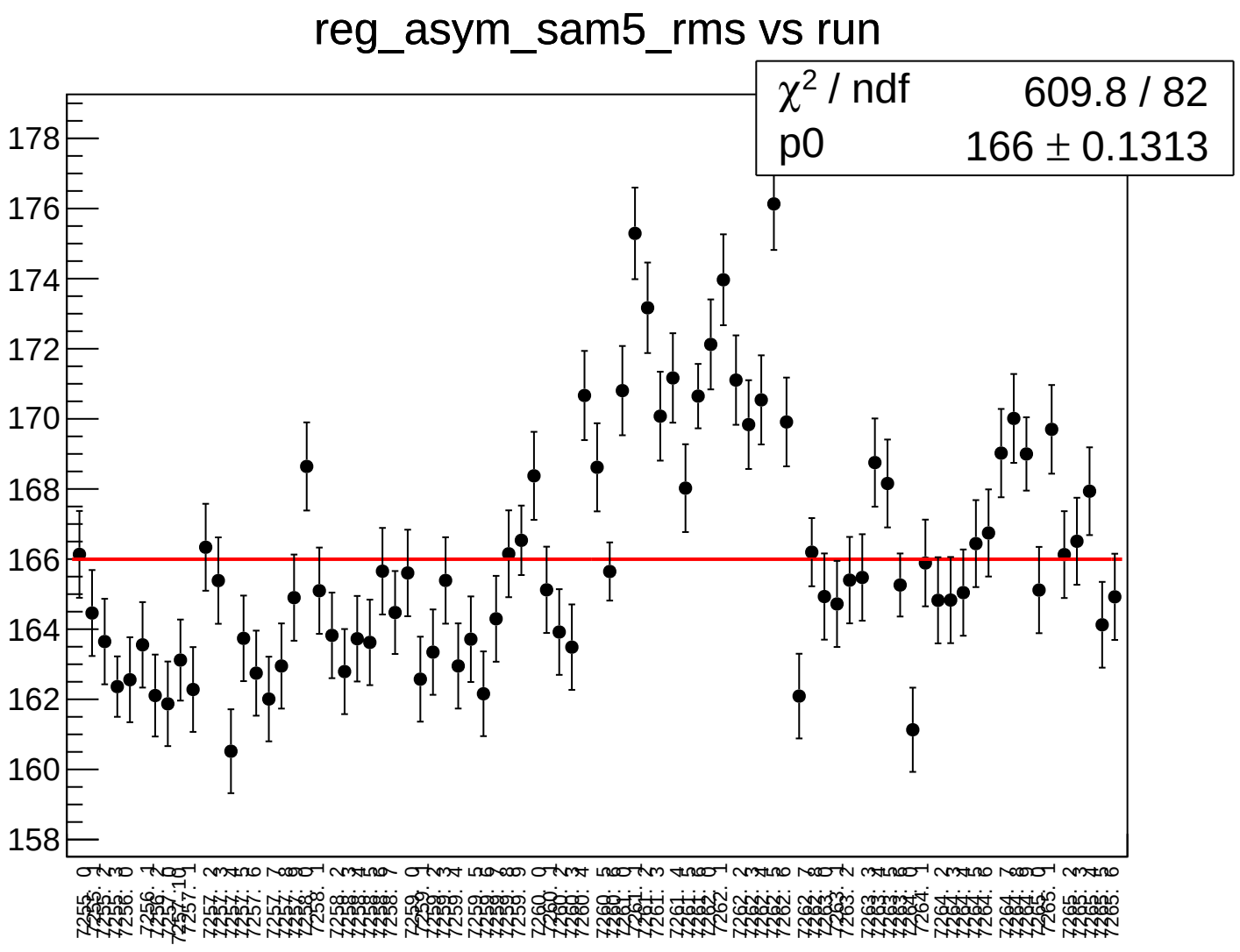

asym_sam4_correction_mean vs run
χ² / ndf 99.09 / 82
p0 −2446 ± 1919
pull
Entries 83
Mean 419.7
Std Dev 393.4

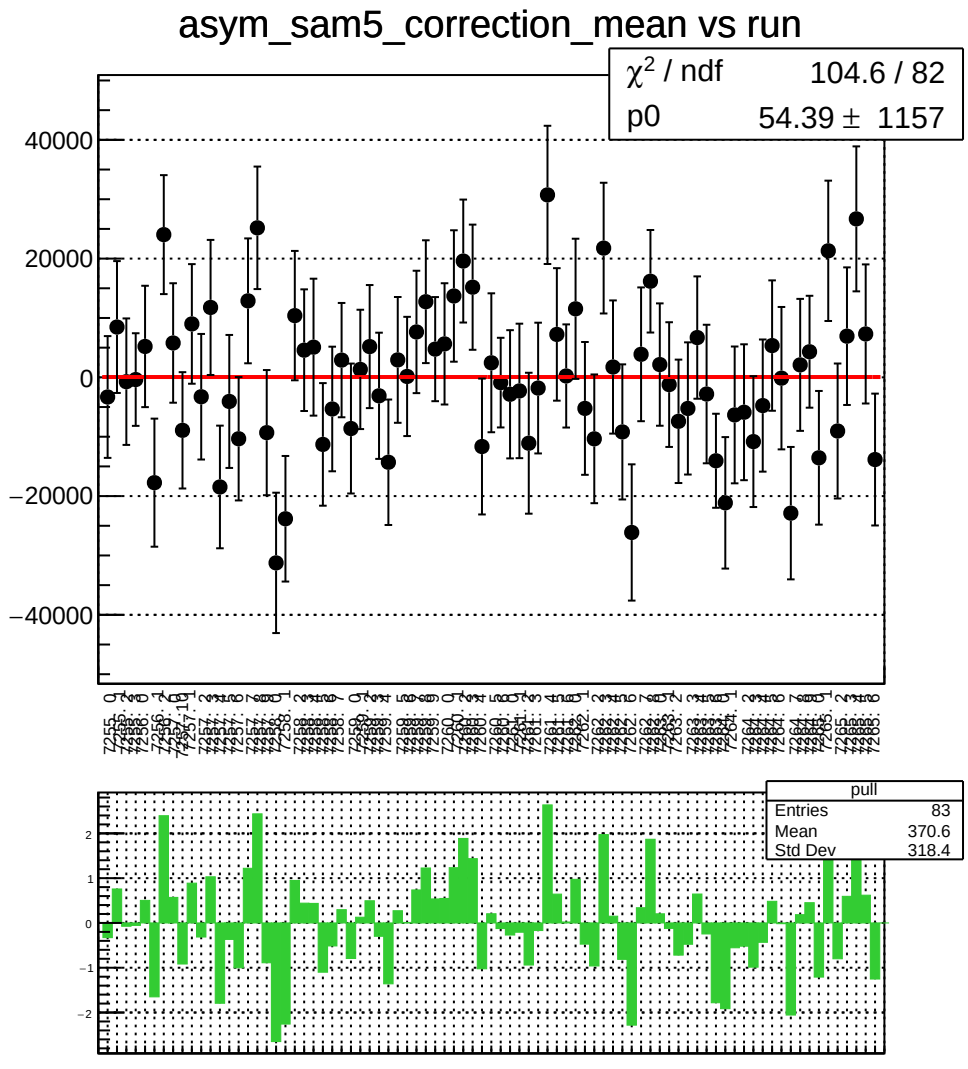

pull1D
Entries 83
Mean 0.00386
Std Dev 1.093

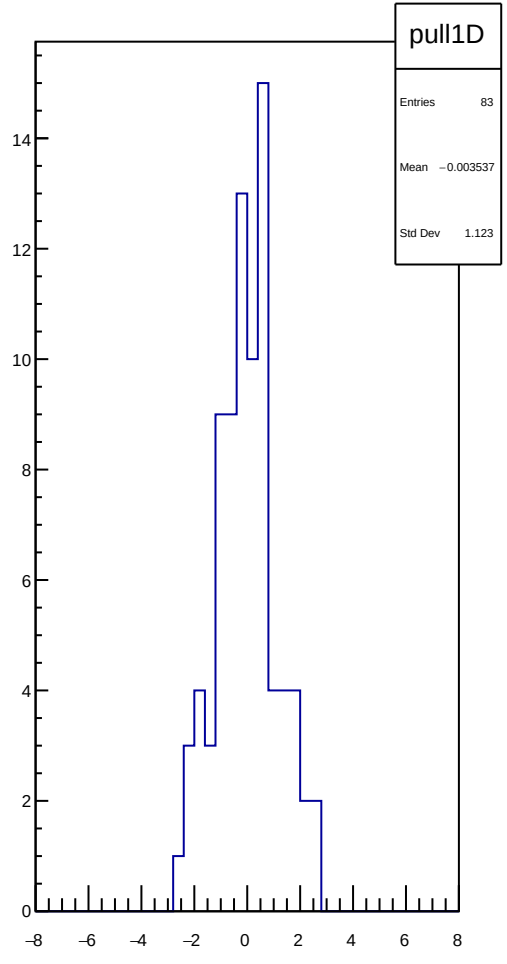

asym_sam4_correction_rms vs run
χ² / ndf 3731 / 82
p0 1715 ± 1.357
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550

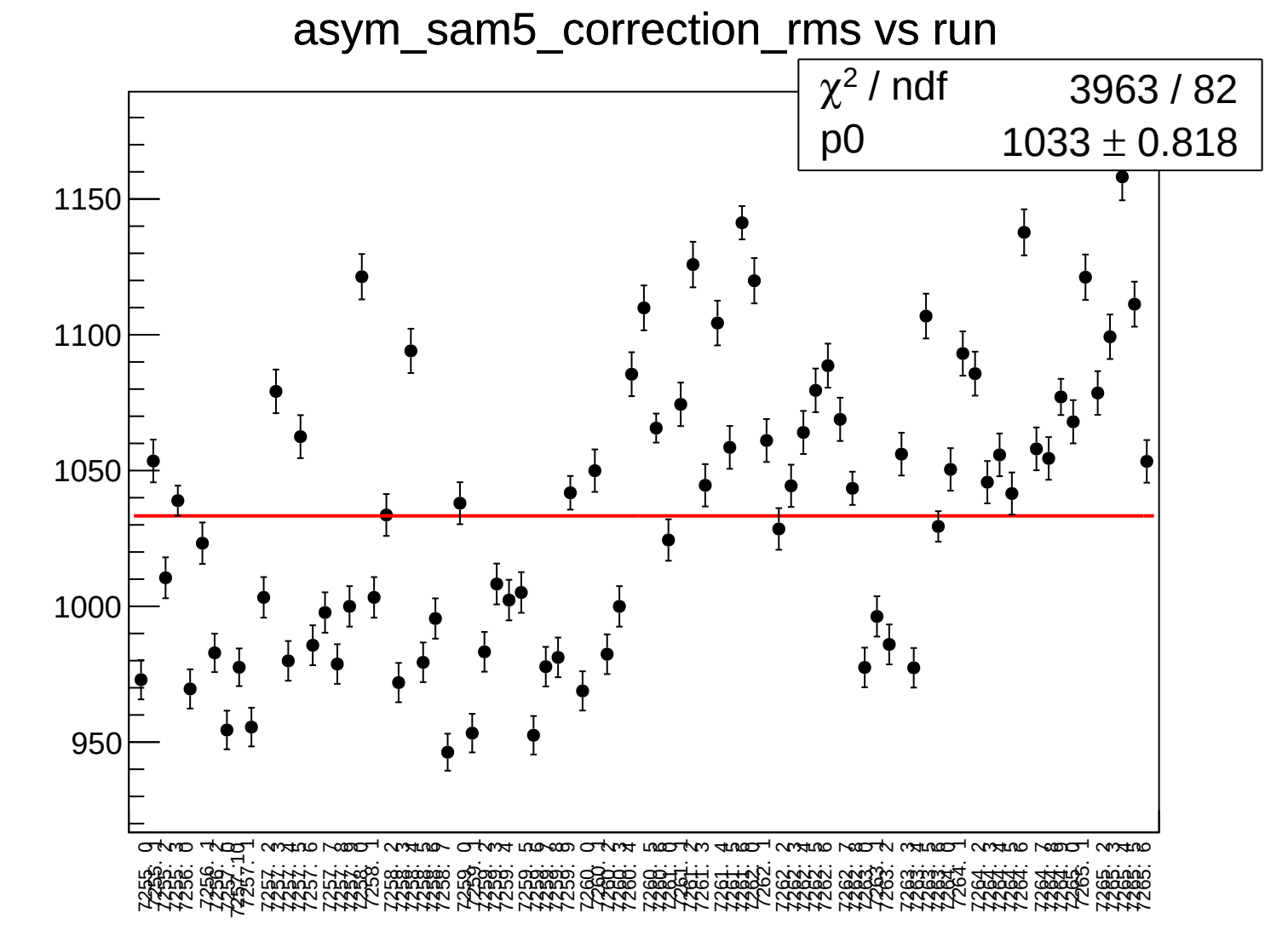

reg_asym_sam5_mean vs run
χ² / ndf 65.36 / 82
p0 83.85 ± 185.6
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −447.8
Std Dev 494.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

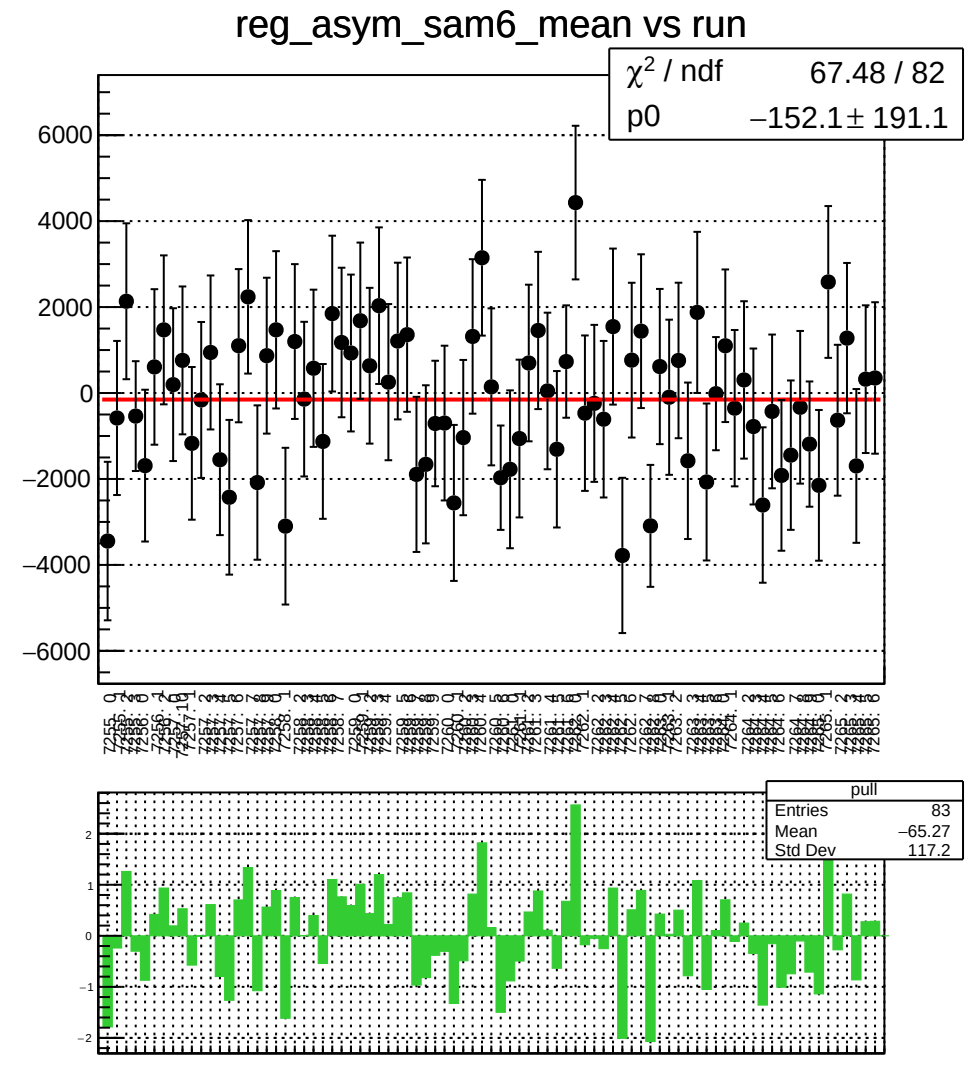

pull1D
Entries 83
Mean 0.007836
Std Dev 0.8874
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

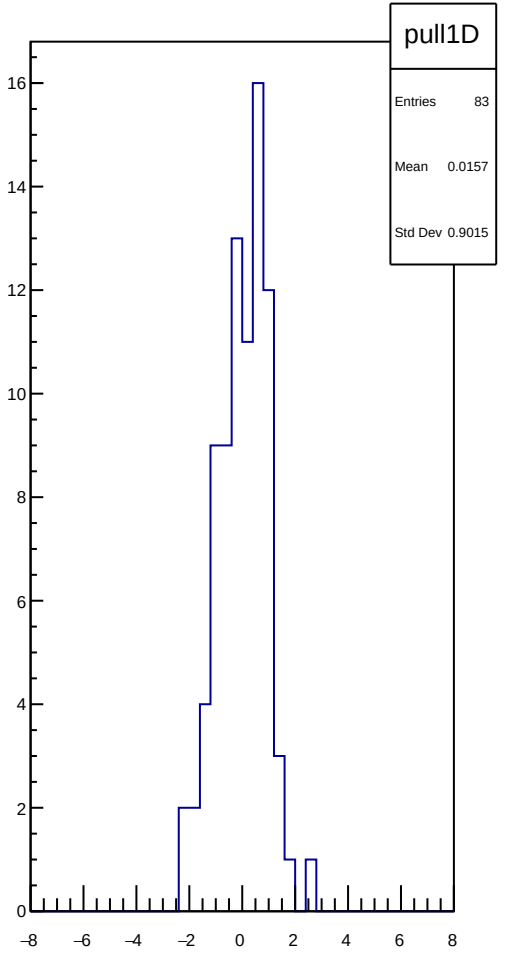

reg_asym_sam5_rms vs run
χ² / ndf 609.8 / 82
p0 166 ± 0.1313
178
176
174
172
170
168
166
164
162
160
158

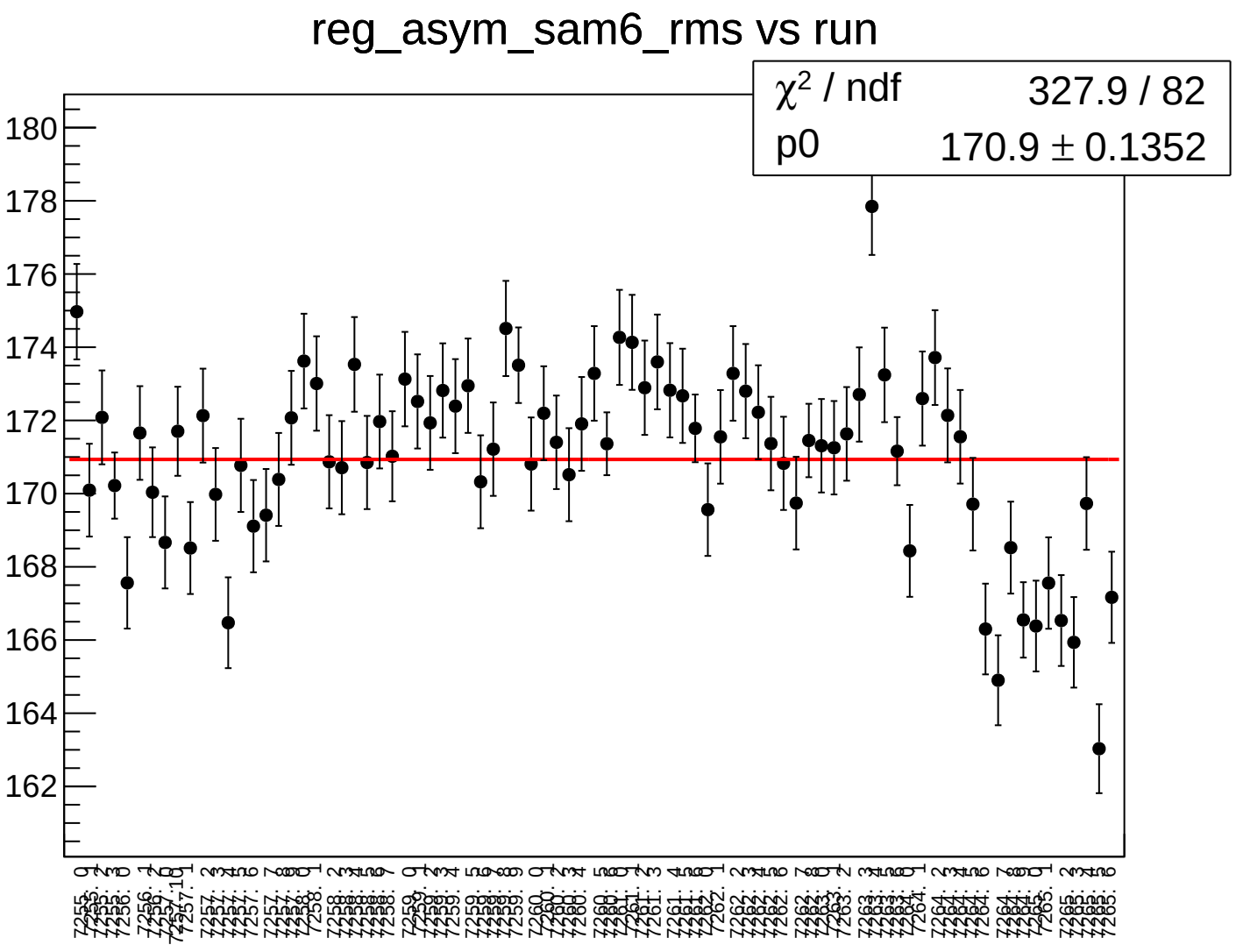

asym_sam5_correction_mean vs run
χ² / ndf 104.6 / 82
p0 54.39 ± 1157
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 370.6
Std Dev 318.4
2
1
0
−1
−2

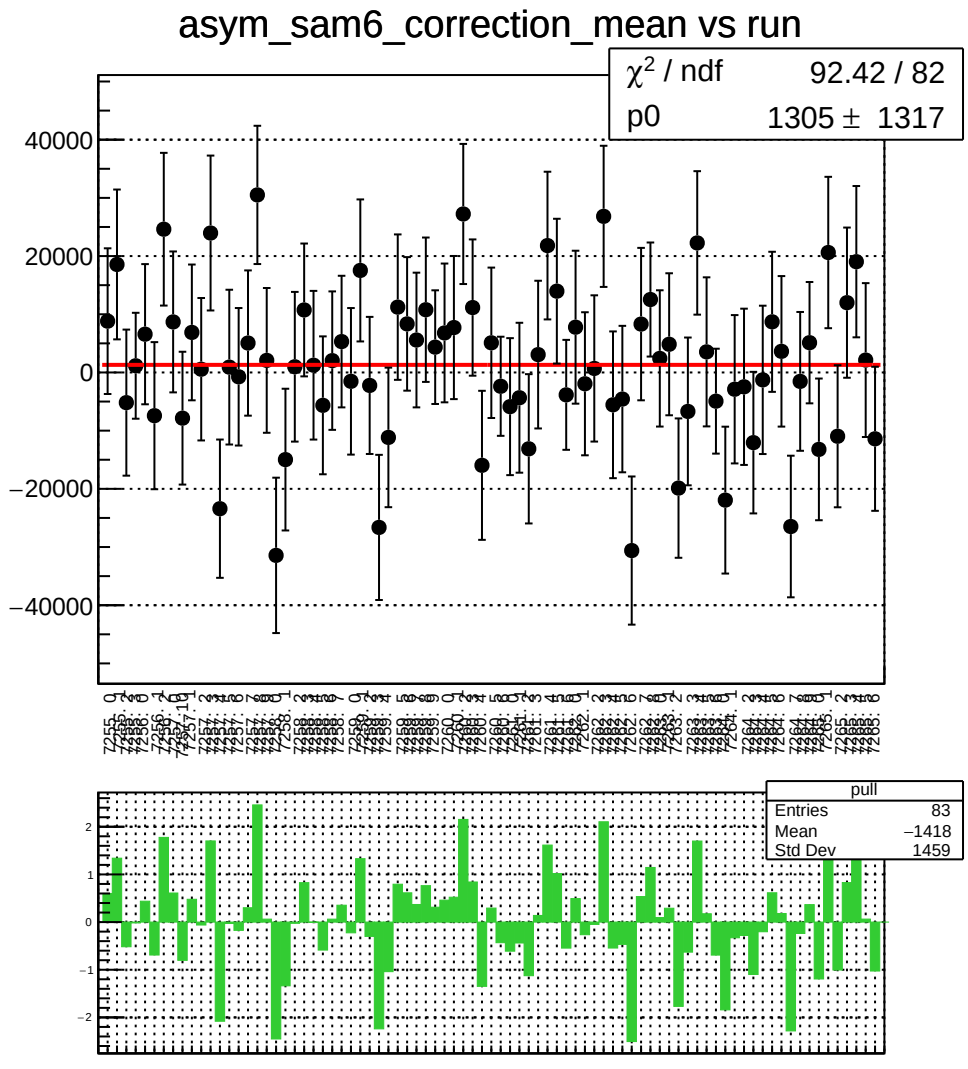

pull1D
Entries 83
Mean −0.003537
Std Dev 1.123
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

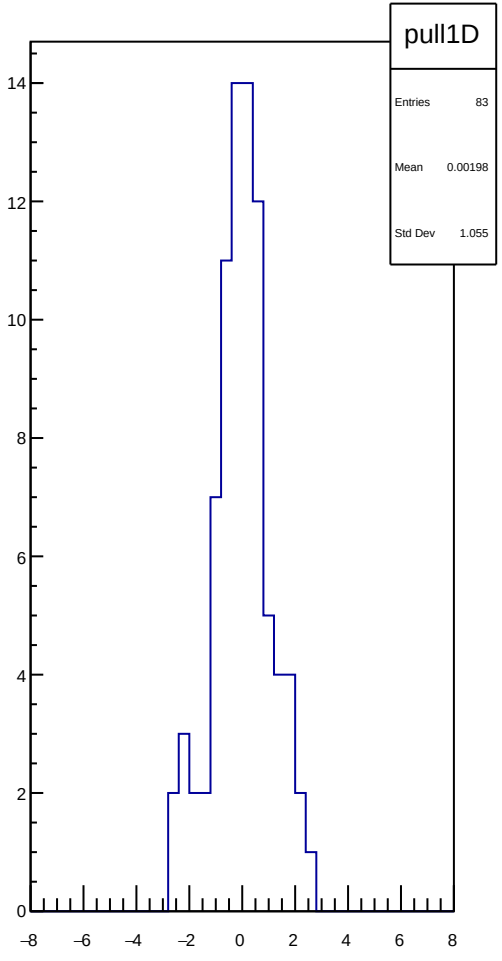

asym_sam5_correction_rms vs run
χ² / ndf 3963 / 82
p0 1033 ± 0.818
1150
1100
1050
1000
950

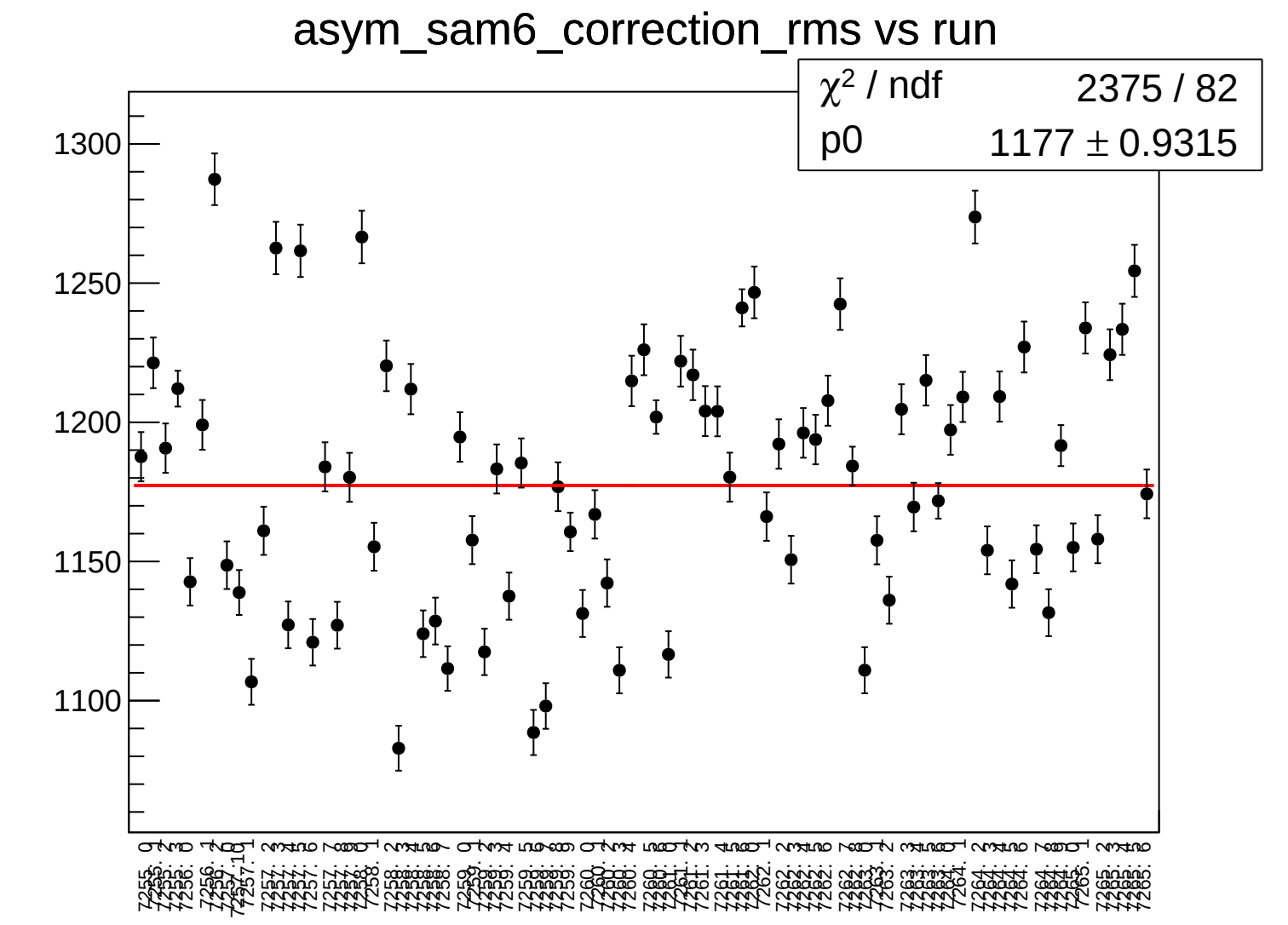

reg_asym_sam6_mean vs run
χ² / ndf 67.48 / 82
p0 −152.1 ± 191.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean −65.27
Std Dev 117.2
2
1
0
−1
−2

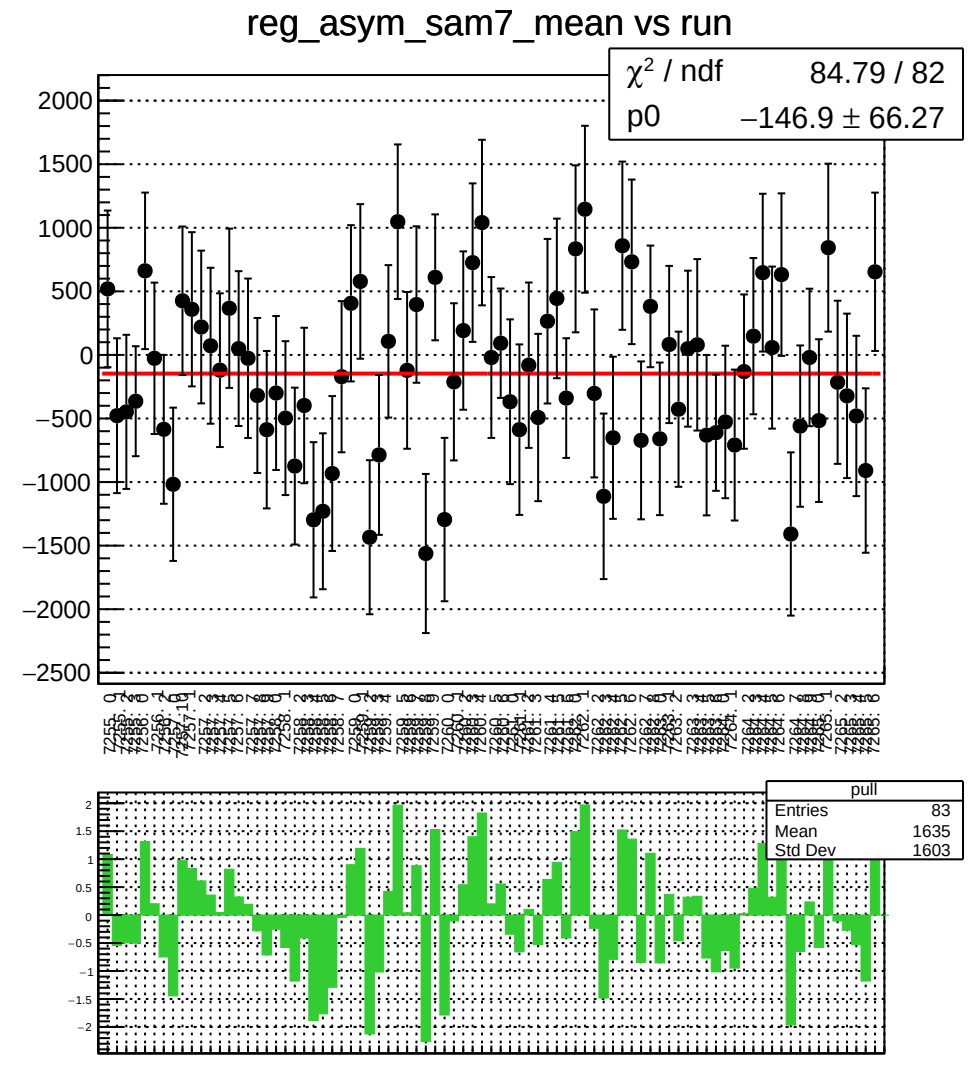

pull1D
Entries 83
Mean 0.0157
Std Dev 0.9015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

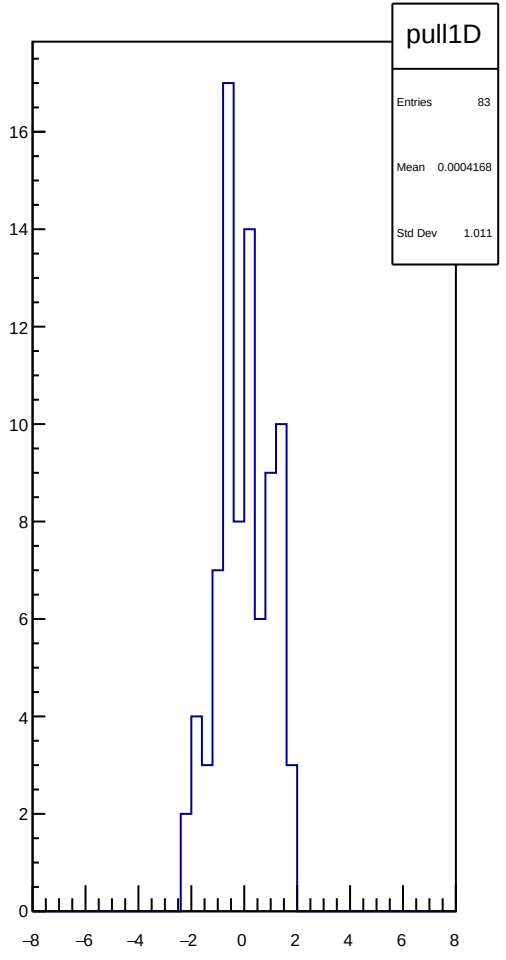

reg_asym_sam6_rms vs run
χ² / ndf 327.9 / 82
p0 170.9 ± 0.1352
180
178
176
174
172
170
168
166
164
162

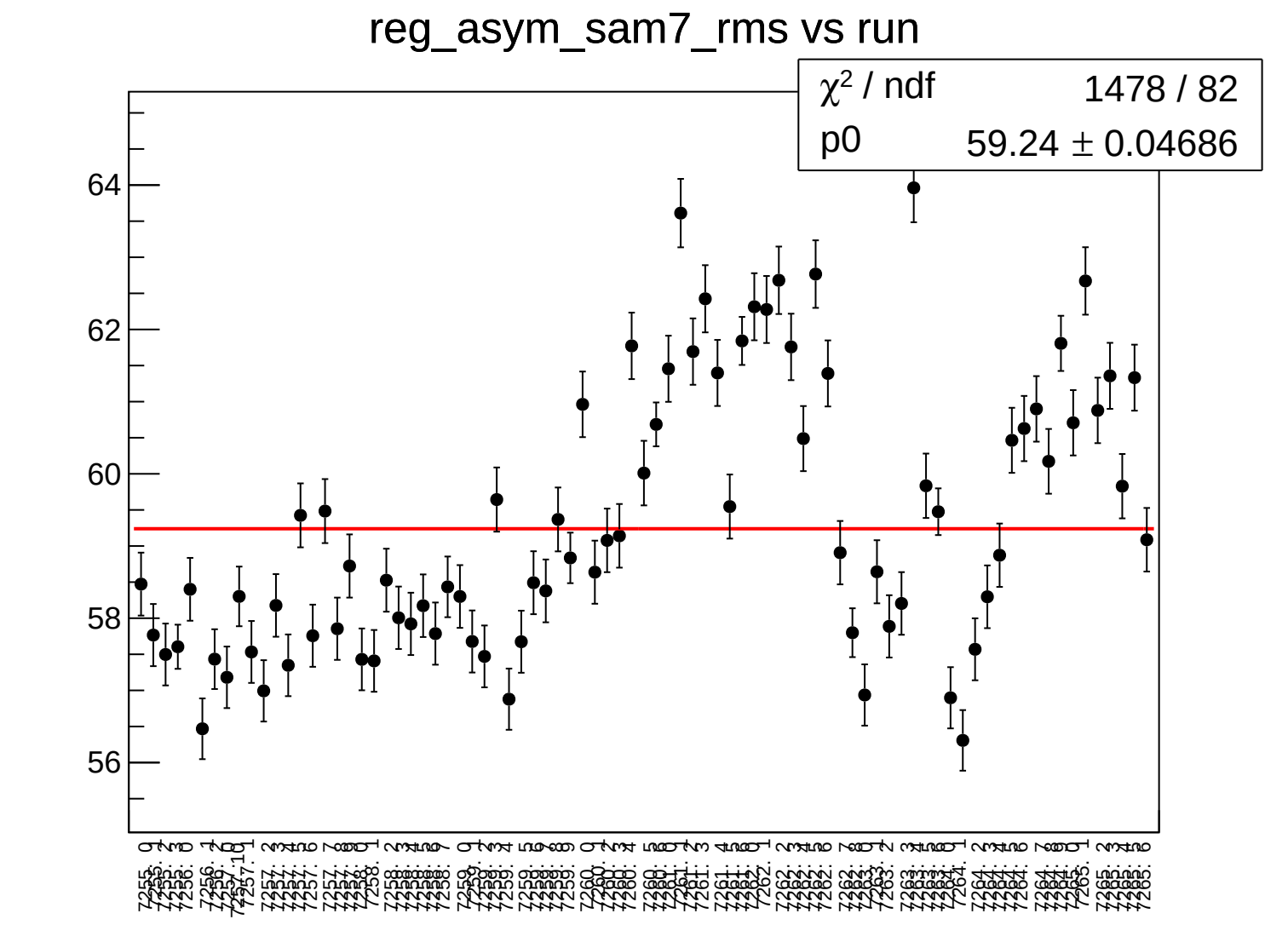

asym_sam6_correction_mean vs run
χ² / ndf 92.42 / 82
p0 1305 ± 1317
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1418
Std Dev 1459
2
1
0
−1
−2

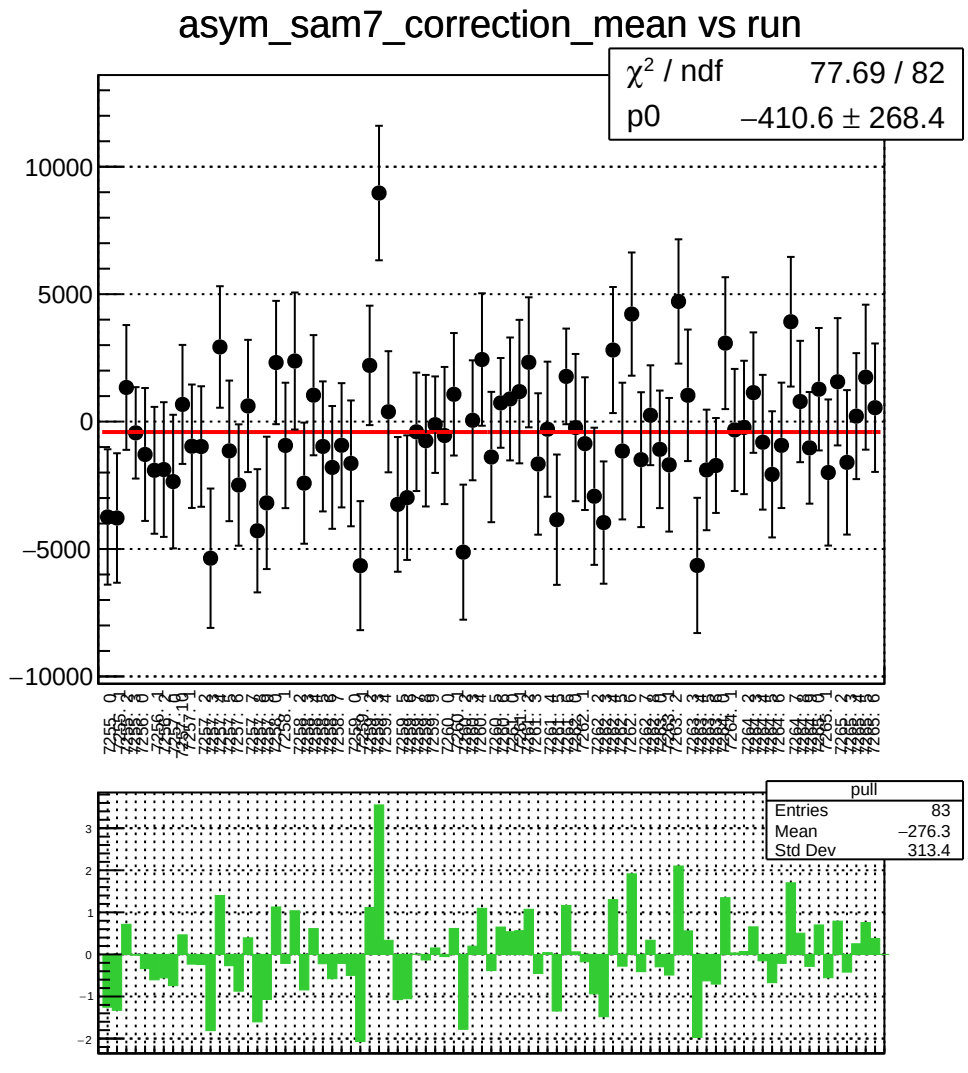

pull1D
Entries 83
Mean 0.00198
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

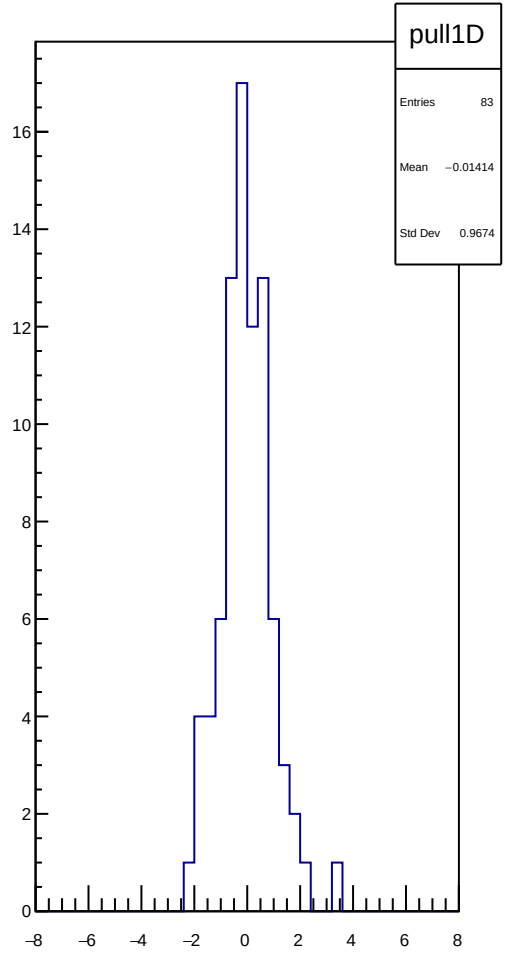

asym_sam6_correction_rms vs run
χ² / ndf 2375 / 82
p0 1177 ± 0.9315
1300
1250
1200
1150
1100

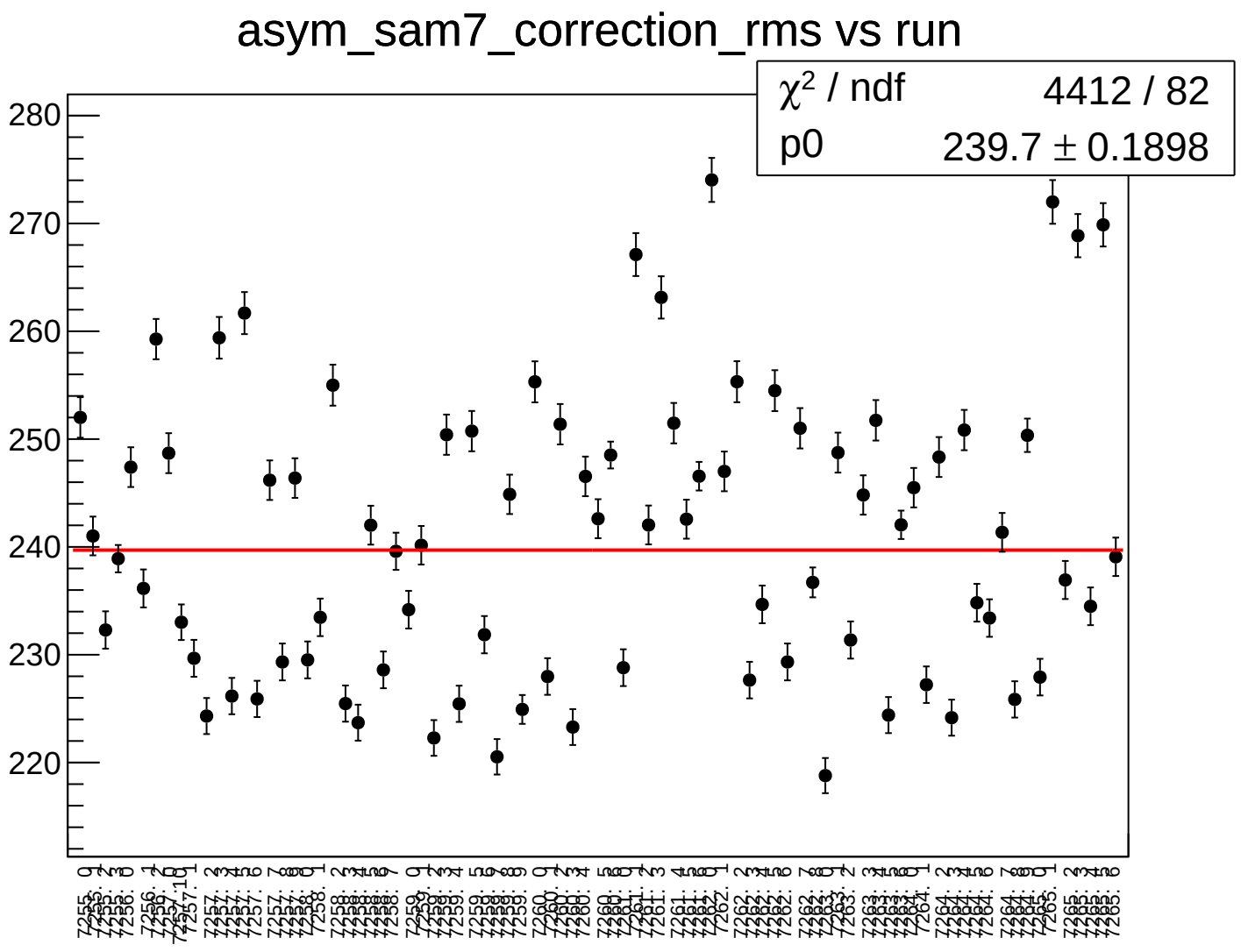

reg_asym_sam7_mean vs run
χ² / ndf 84.79 / 82
p0 −146.9 ± 66.27
pull
Entries 83
Mean 1635
Std Dev 1603

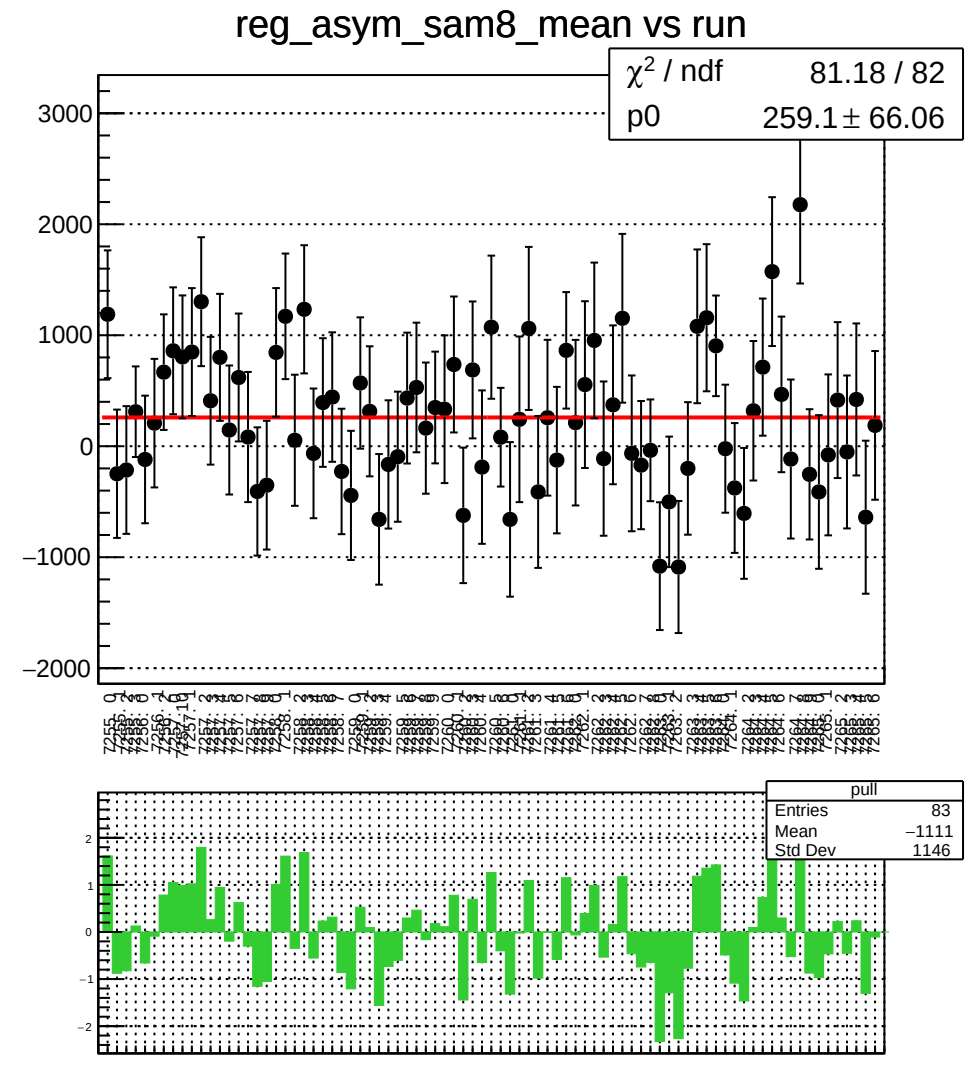

pull1D
Entries 83
Mean 0.0004168
Std Dev 1.011

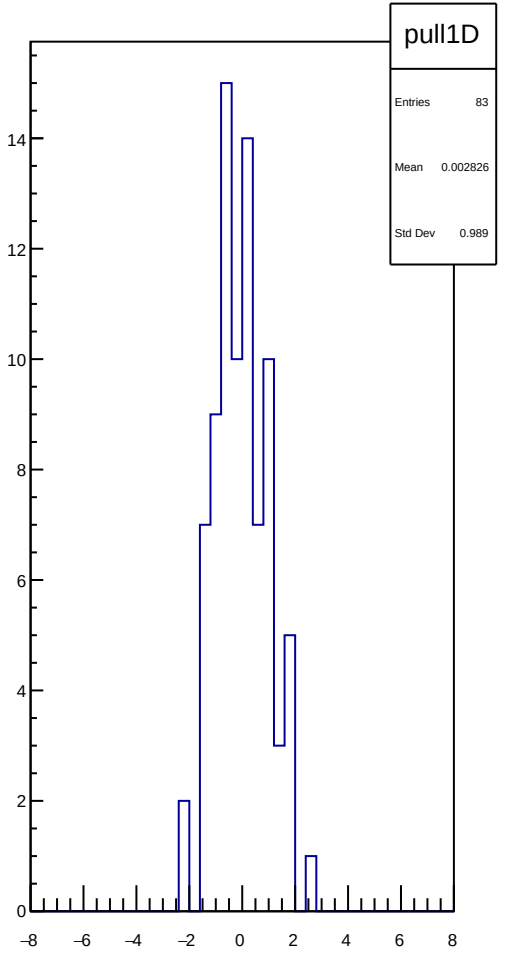

reg_asym_sam7_rms vs run
χ² / ndf 1478 / 82
p0 59.24 ± 0.04686
64
62
60
58
56

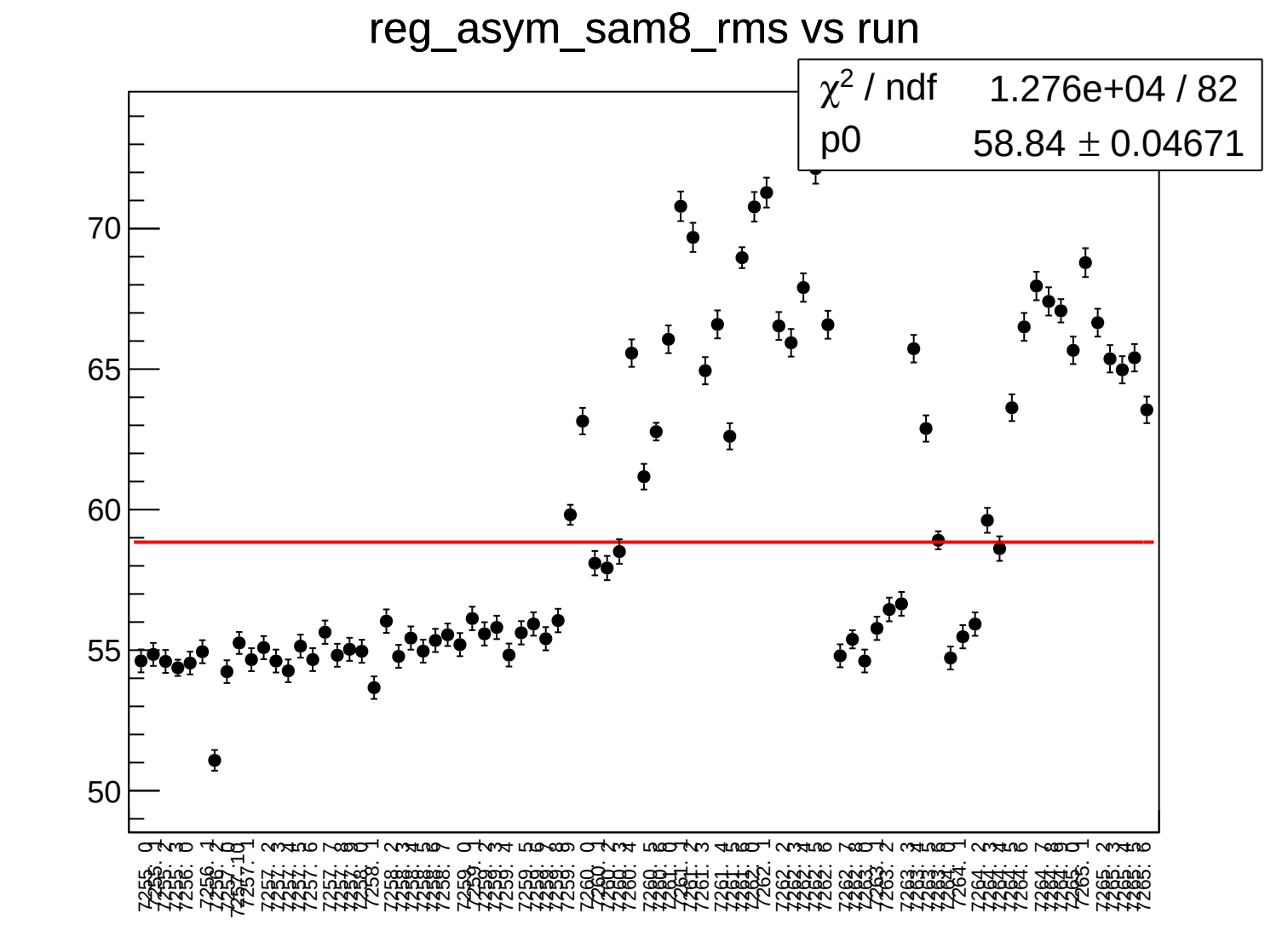

asym_sam7_correction_mean vs run
χ² / ndf 77.69 / 82
p0 −410.6 ± 268.4
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −276.3
Std Dev 313.4
3
2
1
0
−1
−2

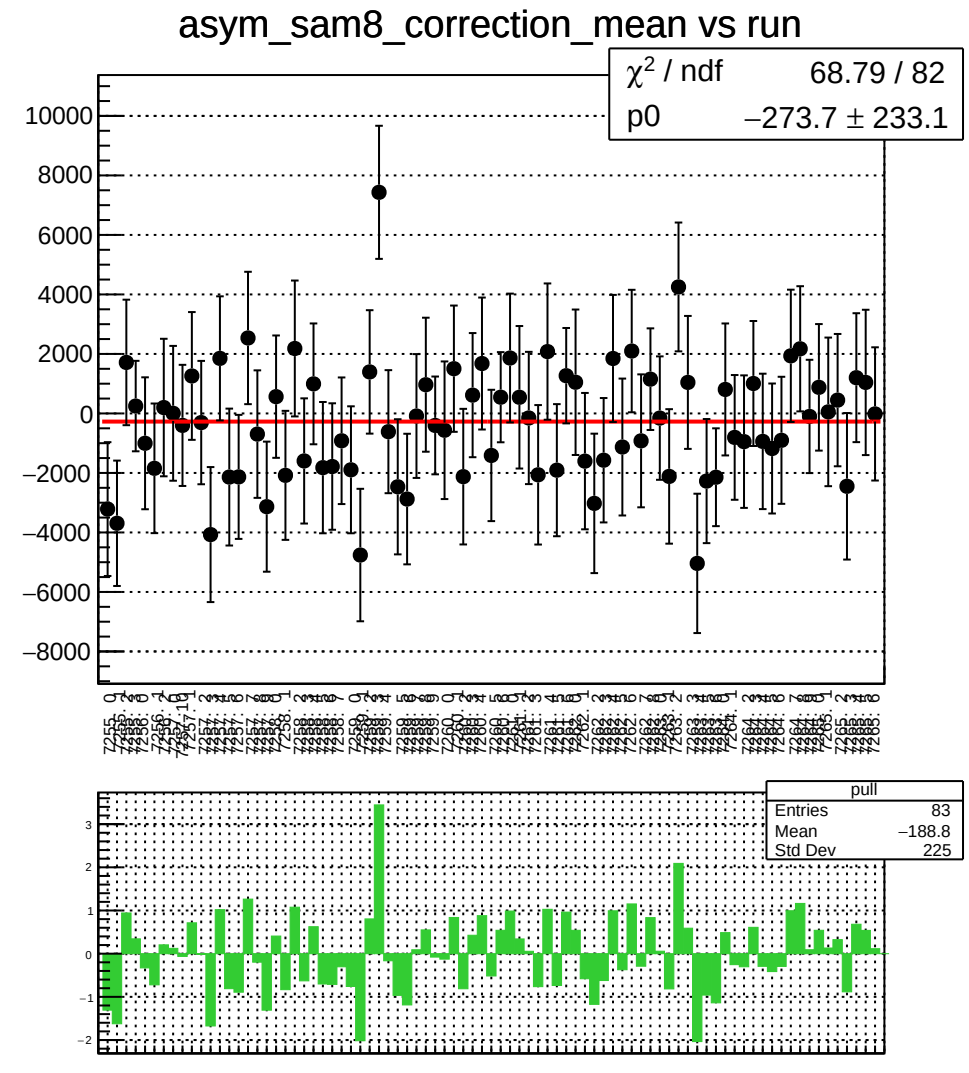

pull1D
Entries 83
Mean −0.01414
Std Dev 0.9674
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

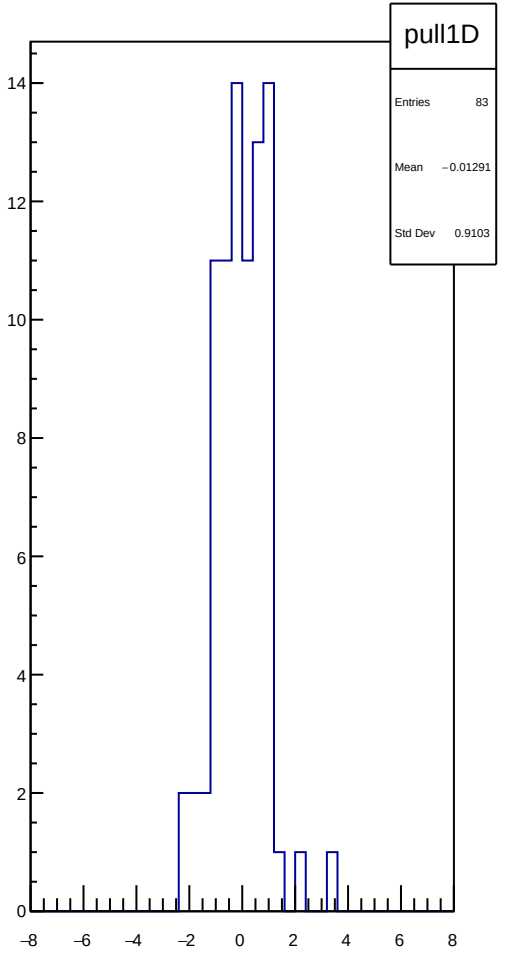

asym_sam7_correction_rms vs run
χ² / ndf 4412 / 82
p0 239.7 ± 0.1898
280
270
260
250
240
230
220

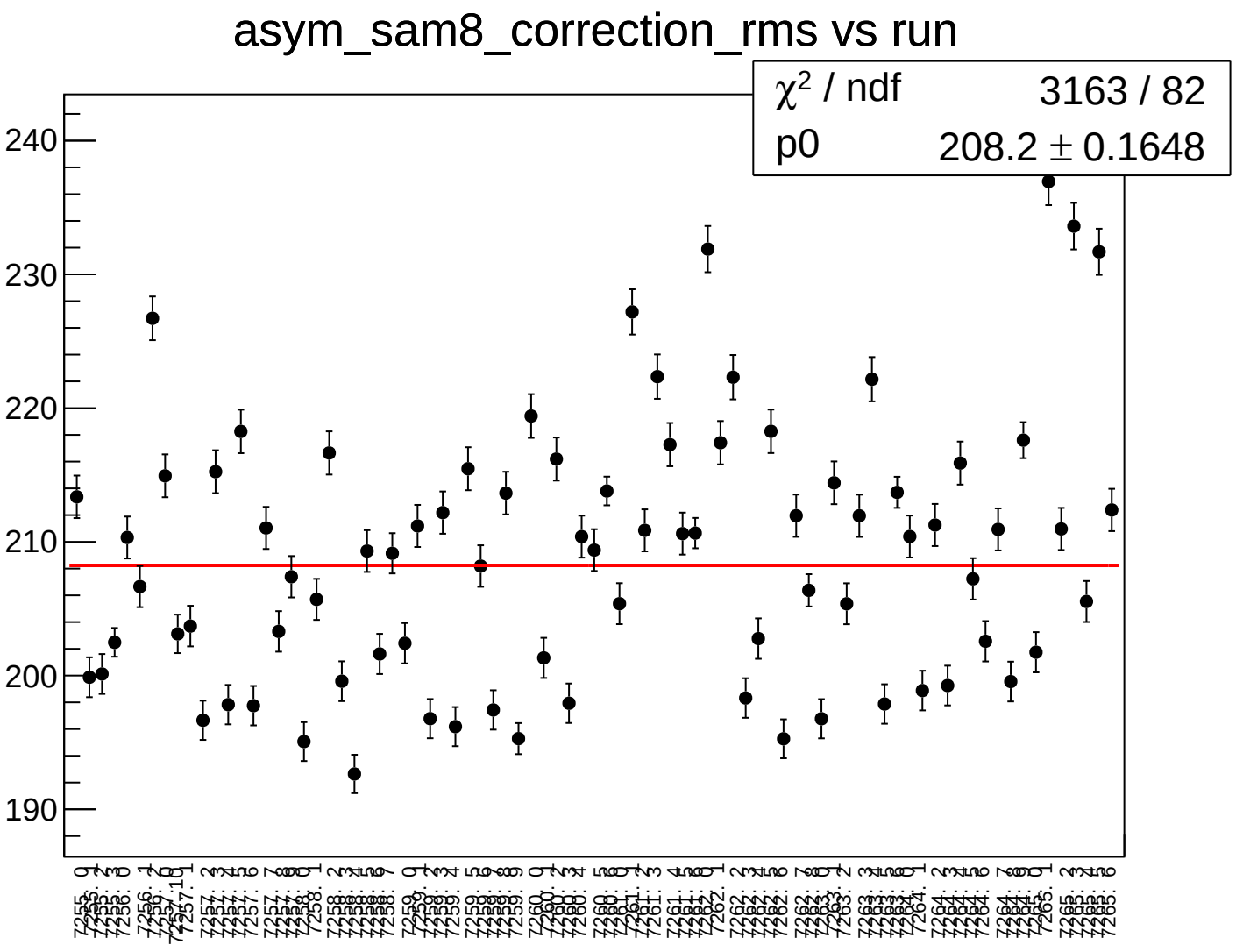

reg_asym_sam8_mean vs run
χ² / ndf 81.18 / 82
p0 259.1 ± 66.06
3000
2000
1000
0
−1000
−2000
pull
Entries 83
Mean −1111
Std Dev 1146
2
1
0
−1
−2

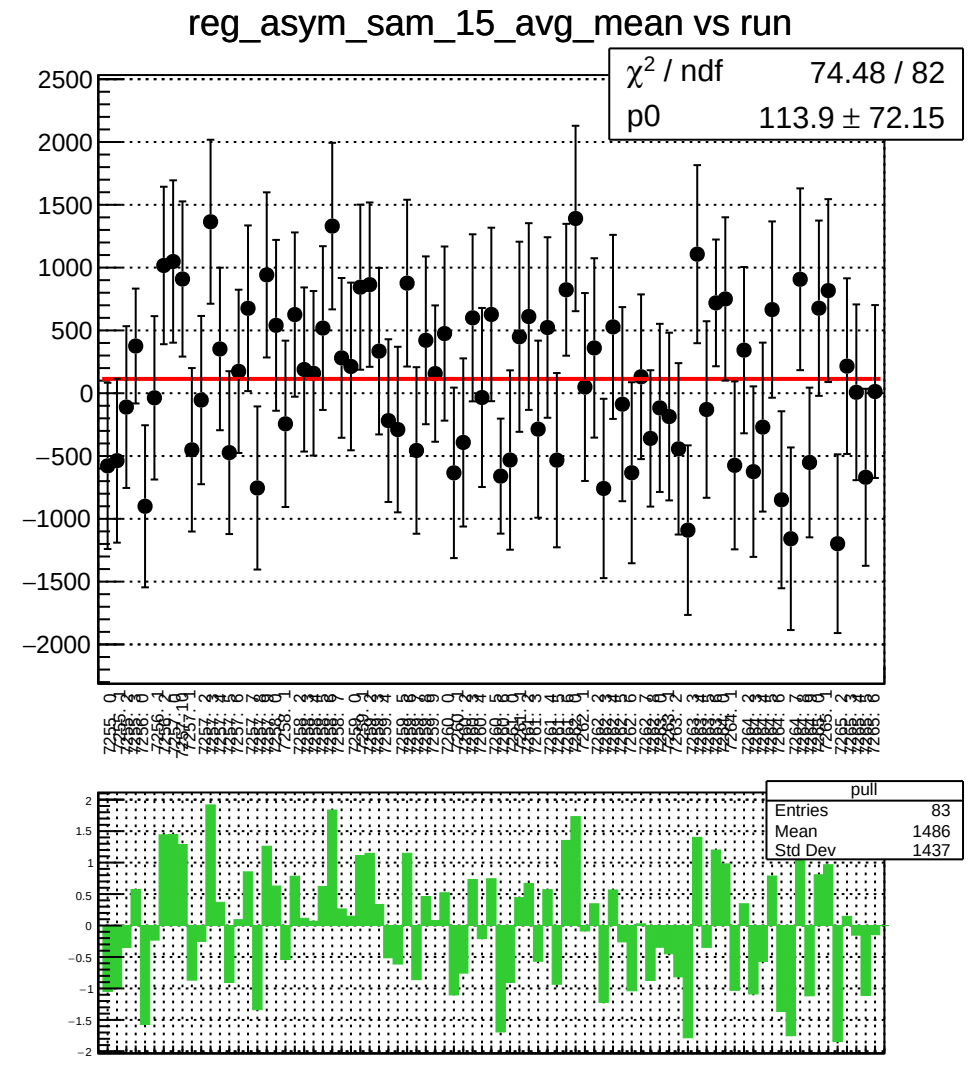

pull1D
Entries 83
Mean 0.002826
Std Dev 0.989
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

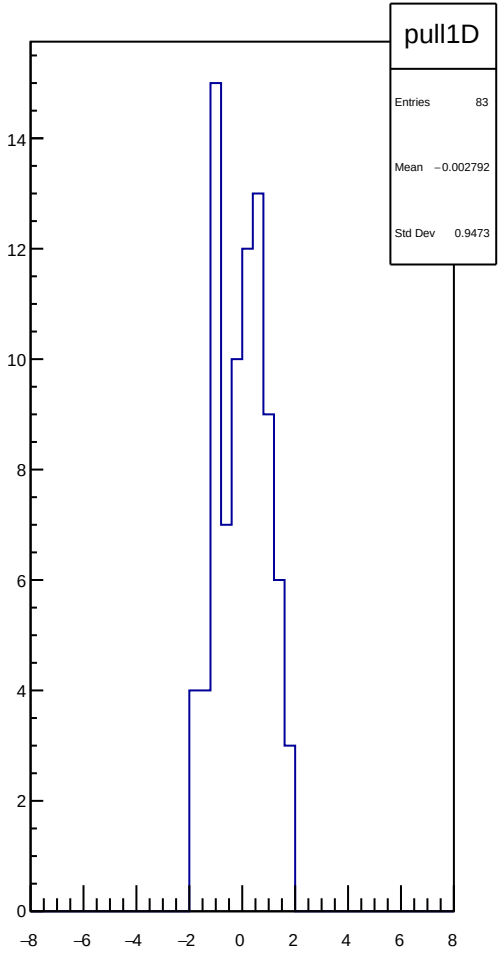

reg_asym_sam8_rms vs run
χ^2 / ndf 1.276e+04 / 82
p0 58.84 ± 0.04671
70
65
60
55
50

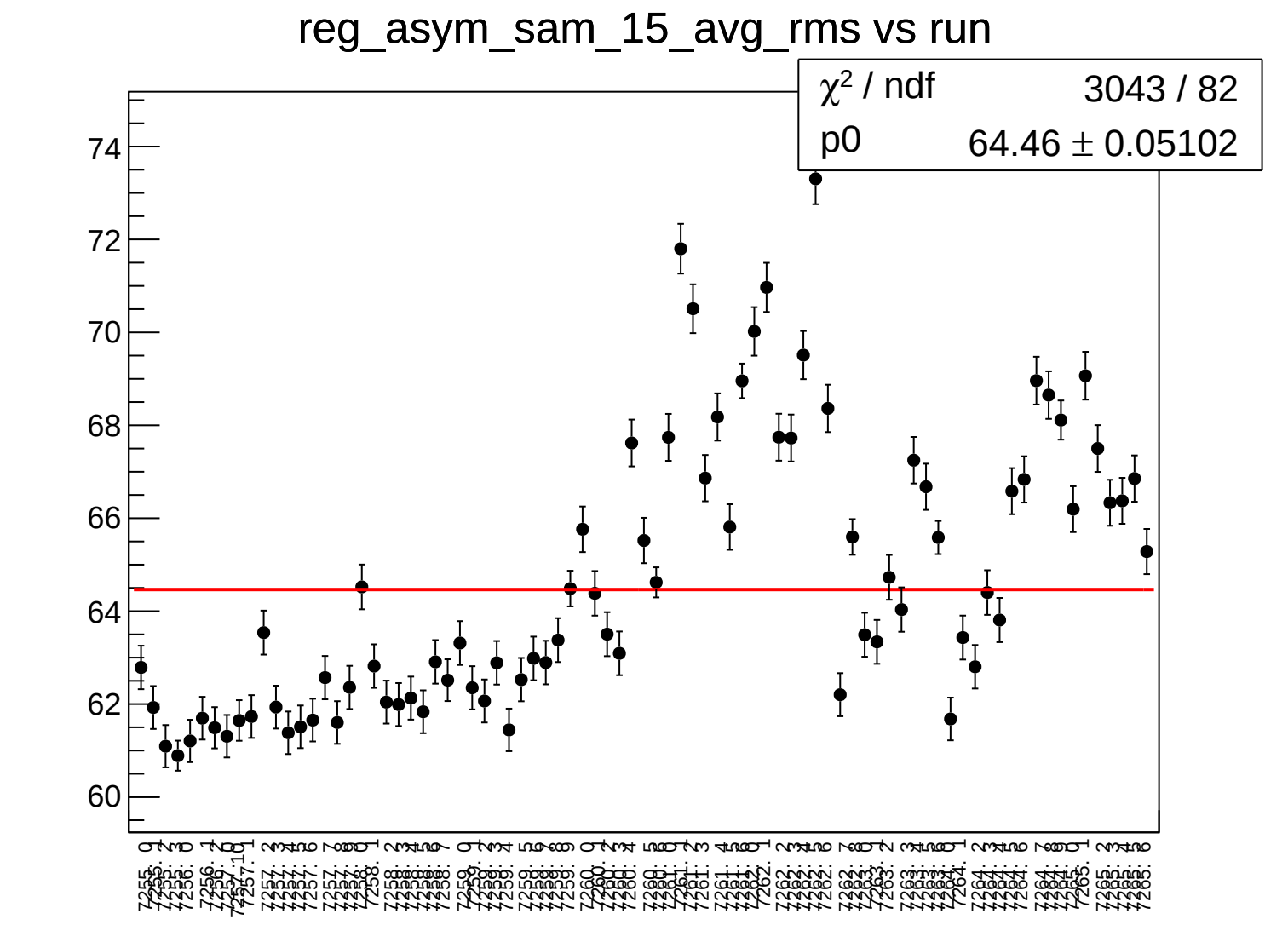

asym_sam8_correction_mean vs run
χ² / ndf 68.79 / 82
p0 −273.7 ± 233.1
pull
Entries 83
Mean −188.8
Std Dev 225

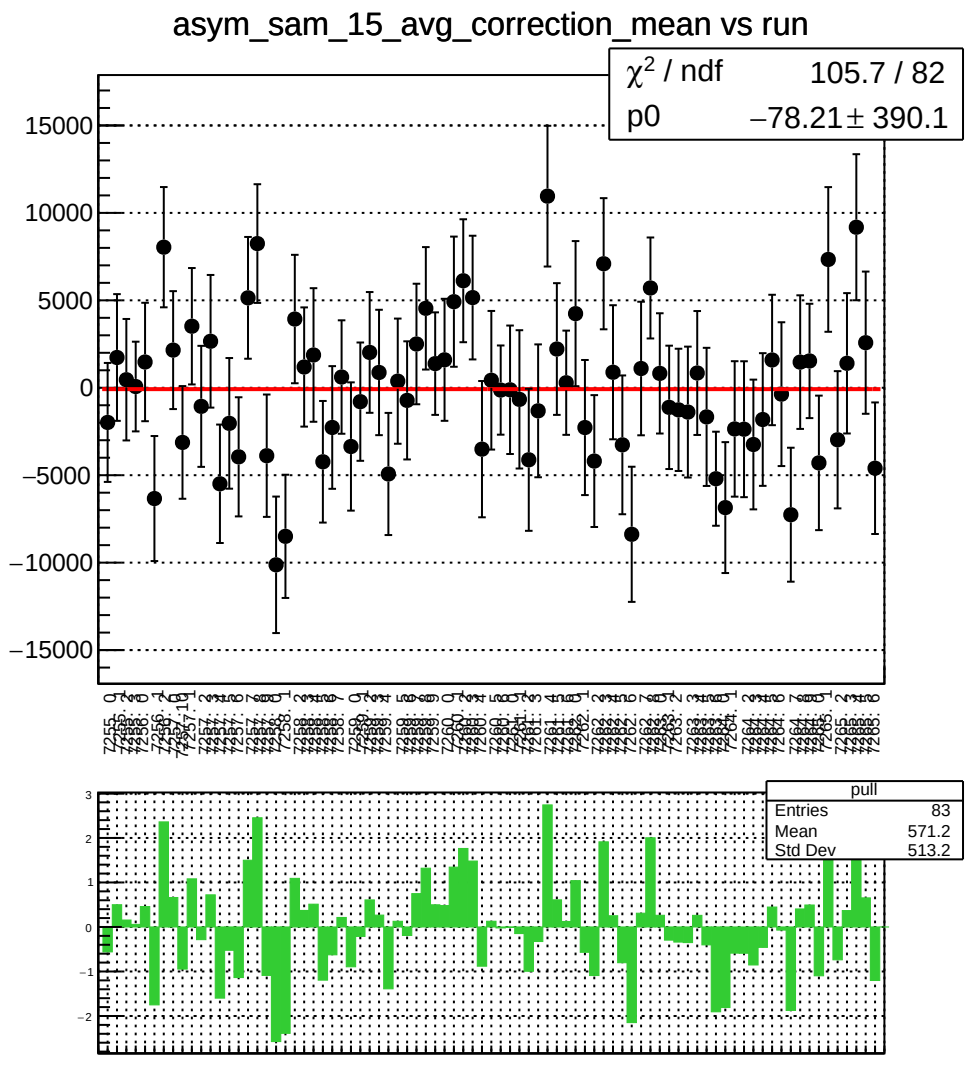

pull1D
Entries 83
Mean −0.01291
Std Dev 0.9103

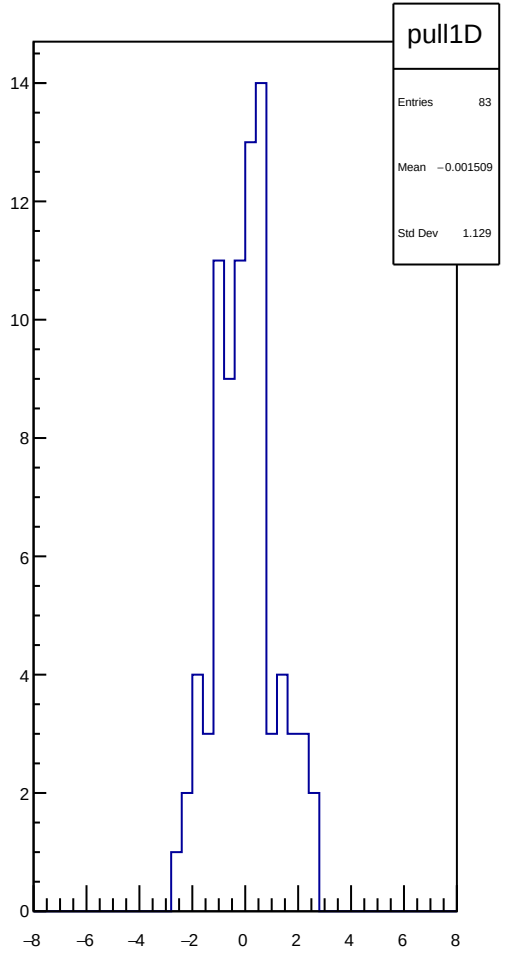

asym_sam8_correction_rms vs run
χ² / ndf 3163 / 82
p0 208.2 ± 0.1648
240
230
220
210
200
190

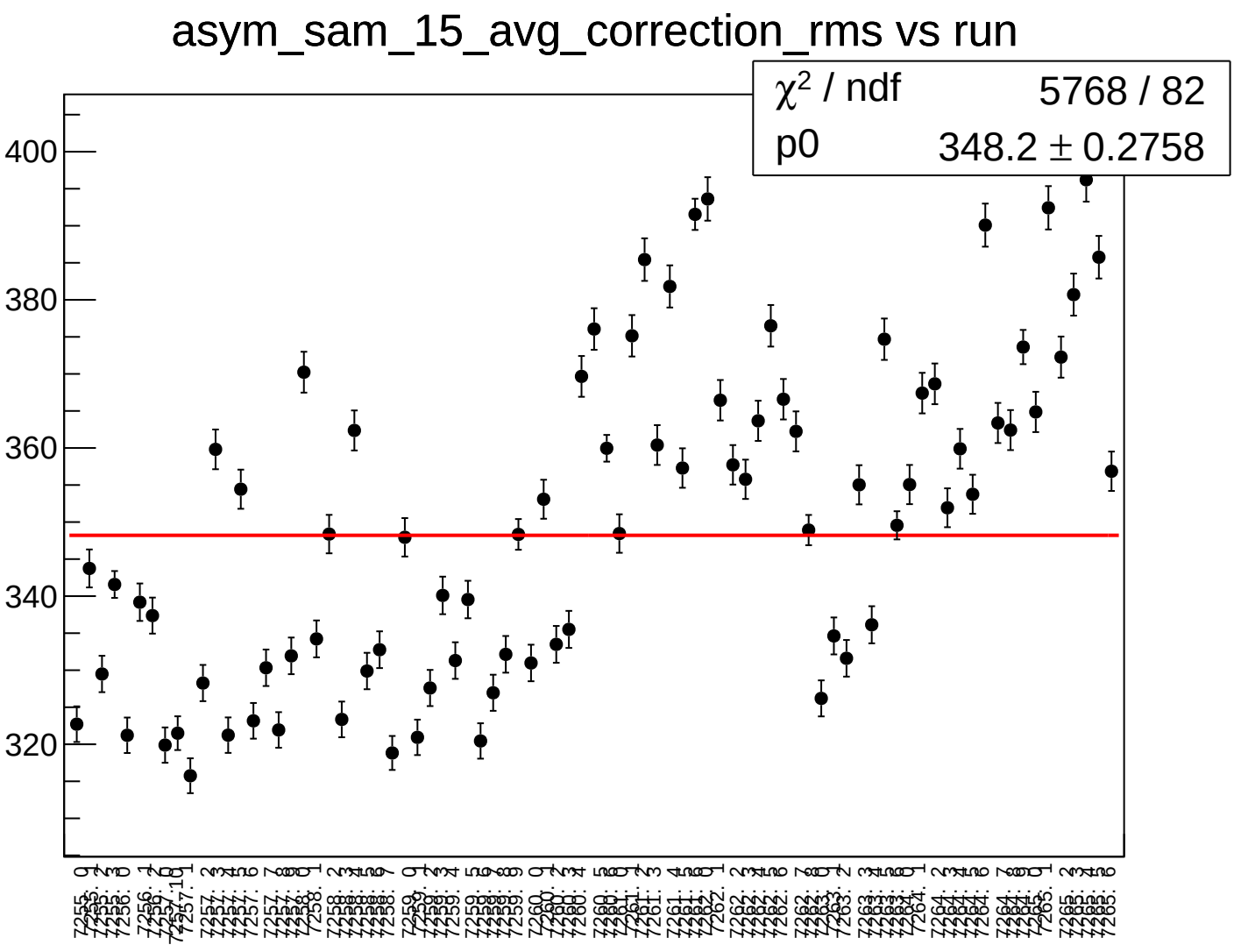

reg_asym_sam_15_avg_mean vs run
χ² / ndf 74.48 / 82
p0 113.9 ± 72.15
pull
Entries 83
Mean 1486
Std Dev 1437

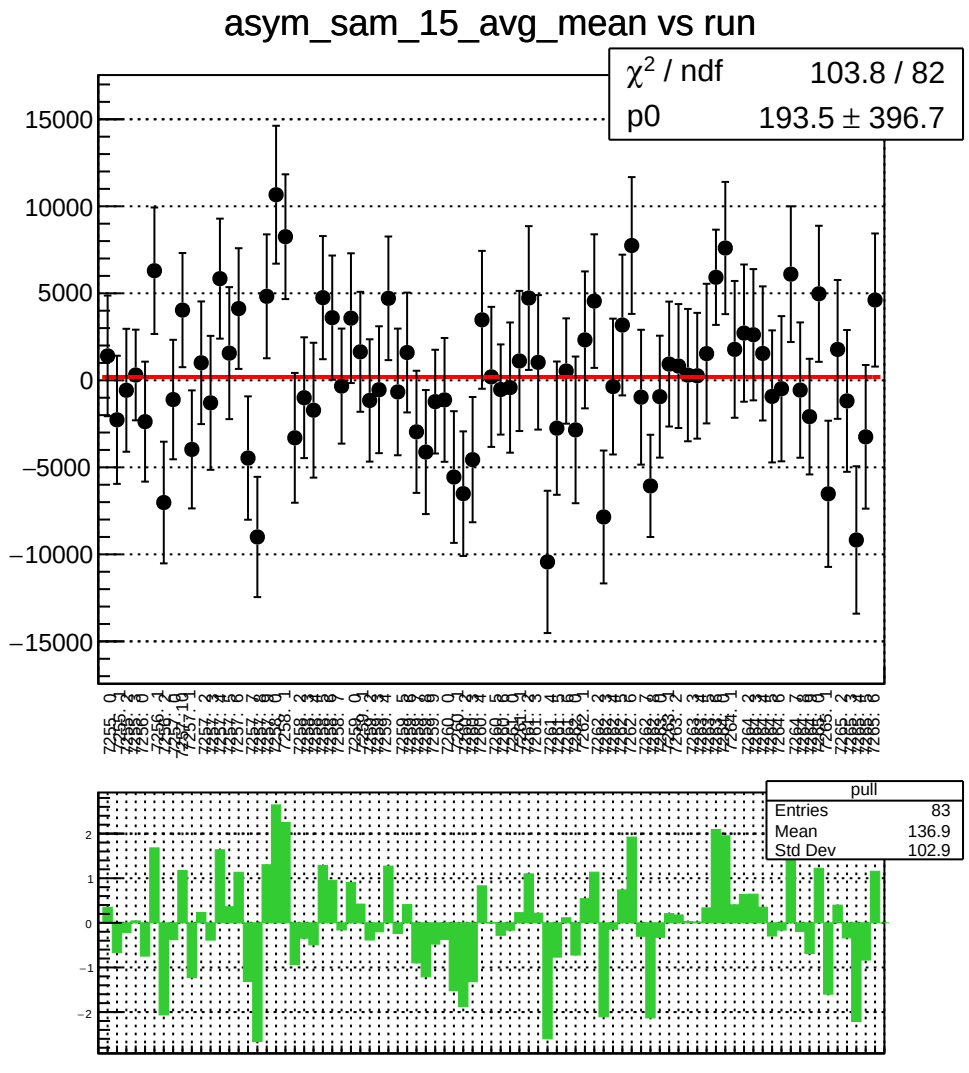

pull1D
Entries 83
Mean −0.002792
Std Dev 0.9473

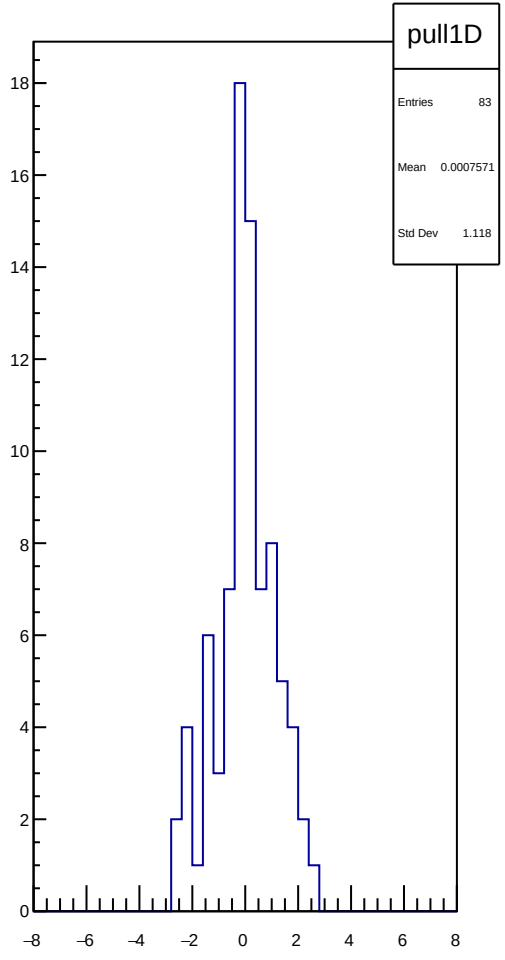

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 3043 / 82
p0 64.46 ± 0.05102
74
72
70
68
66
64
62
60

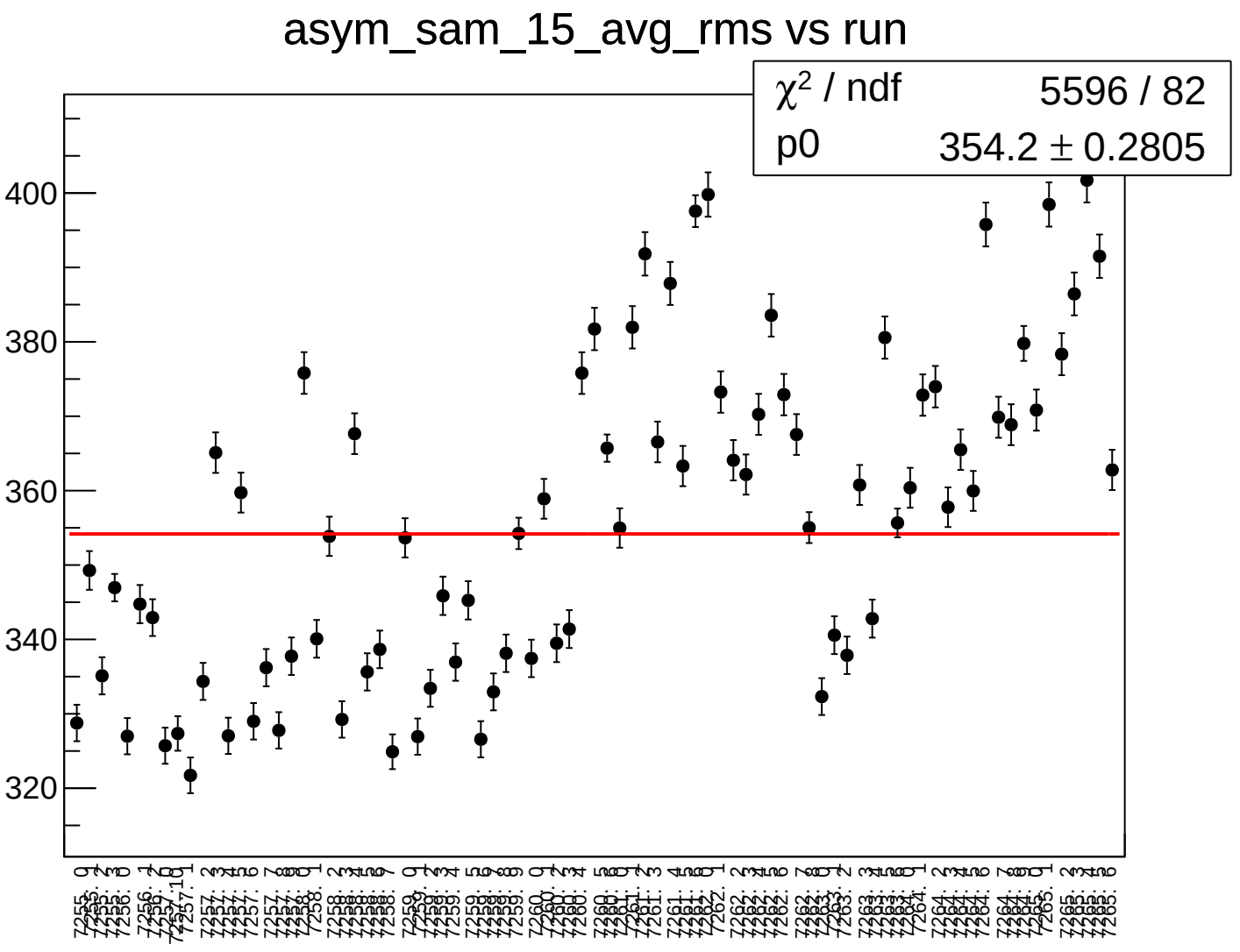

asym_sam_15_avg_correction_mean vs run
χ² / ndf 105.7 / 82
p0 −78.21 ± 390.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 571.2
Std Dev 513.2
3
2
1
0
−1
−2

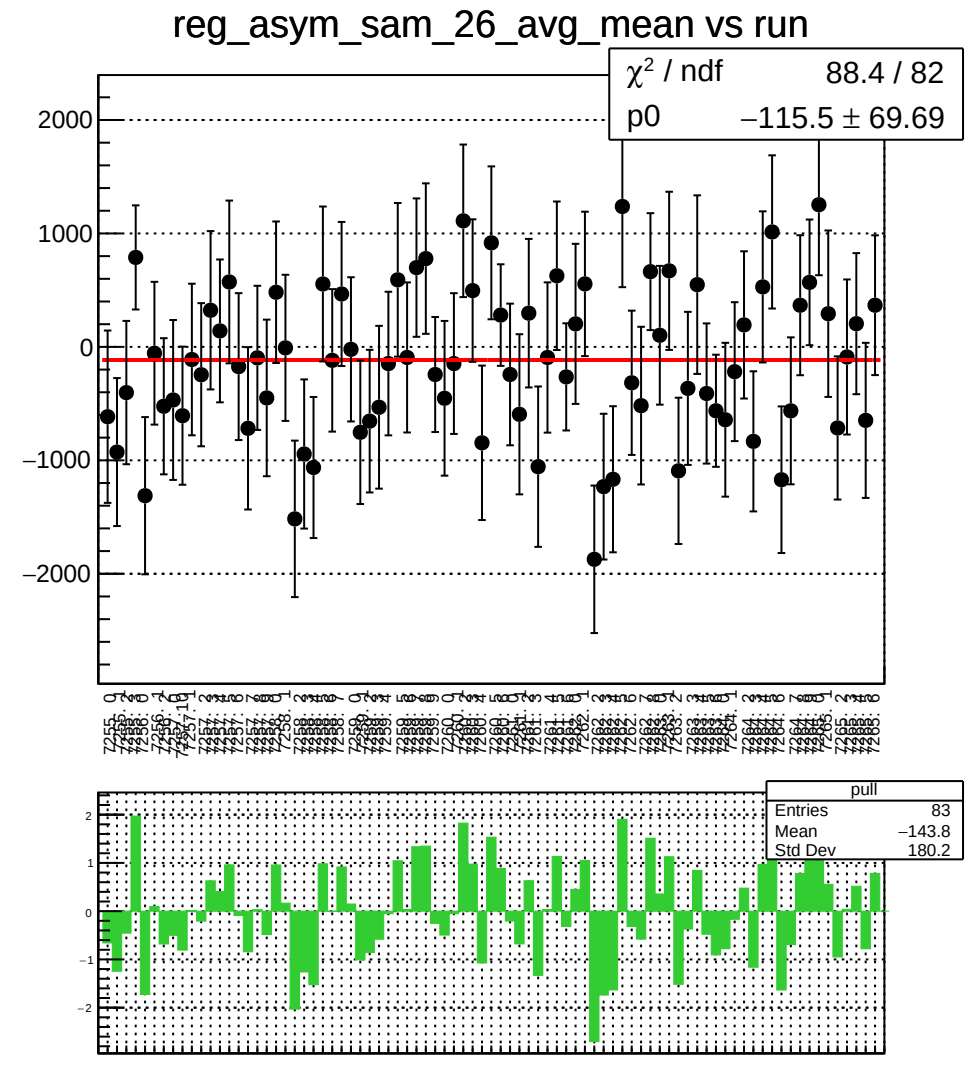

pull1D
Entries 83
Mean −0.001509
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

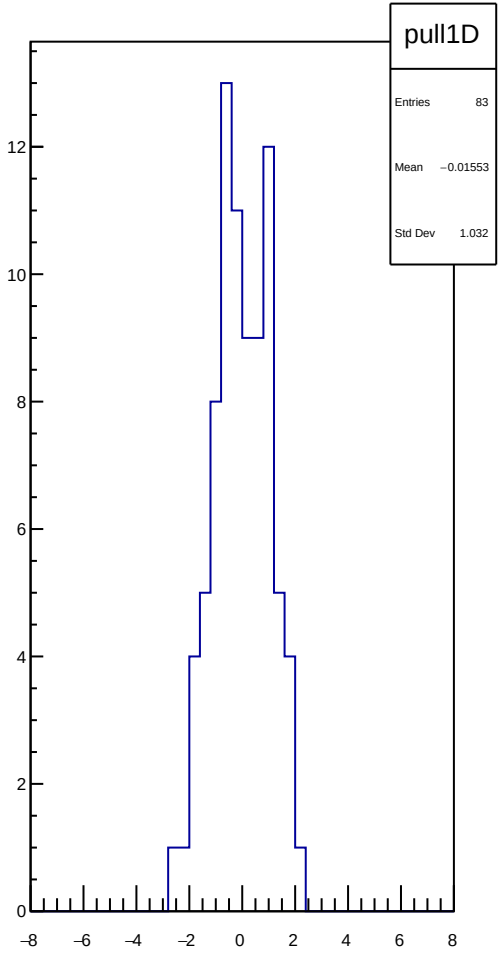

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5768 / 82
p0 348.2 ± 0.2758
400
380
360
340
320

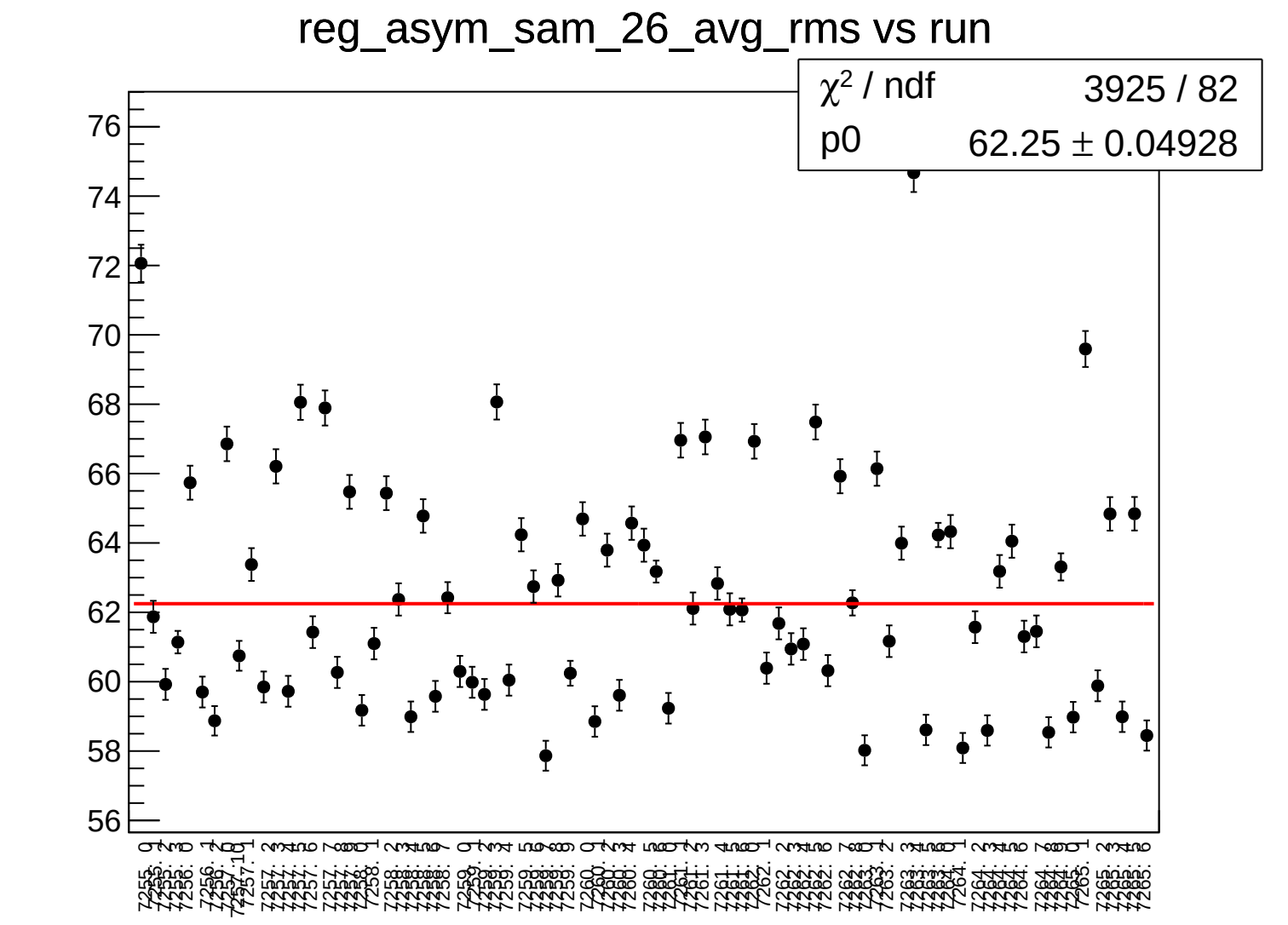

asym_sam_15_avg_mean vs run
χ² / ndf 103.8 / 82
p0 193.5 ± 396.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 136.9
Std Dev 102.9
2
1
0
−1
−2

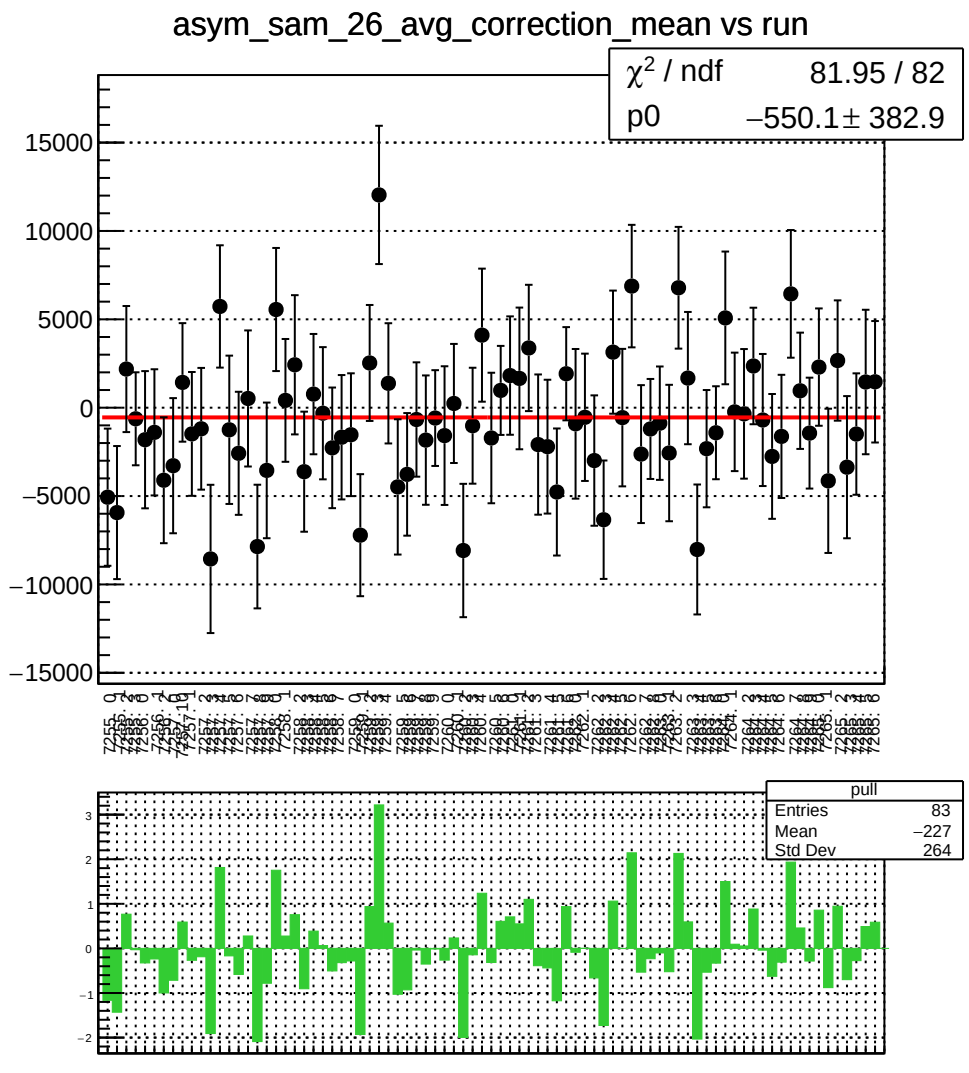

pull1D
Entries 83
Mean 0.0007571
Std Dev 1.118
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

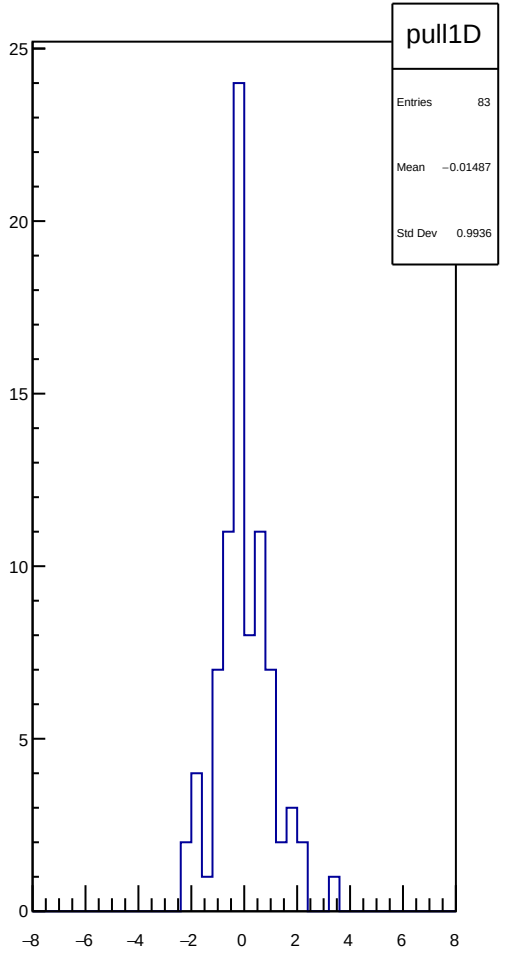

asym_sam_15_avg_rms vs run
χ² / ndf 5596 / 82
p0 354.2 ± 0.2805
400
380
360
340
320

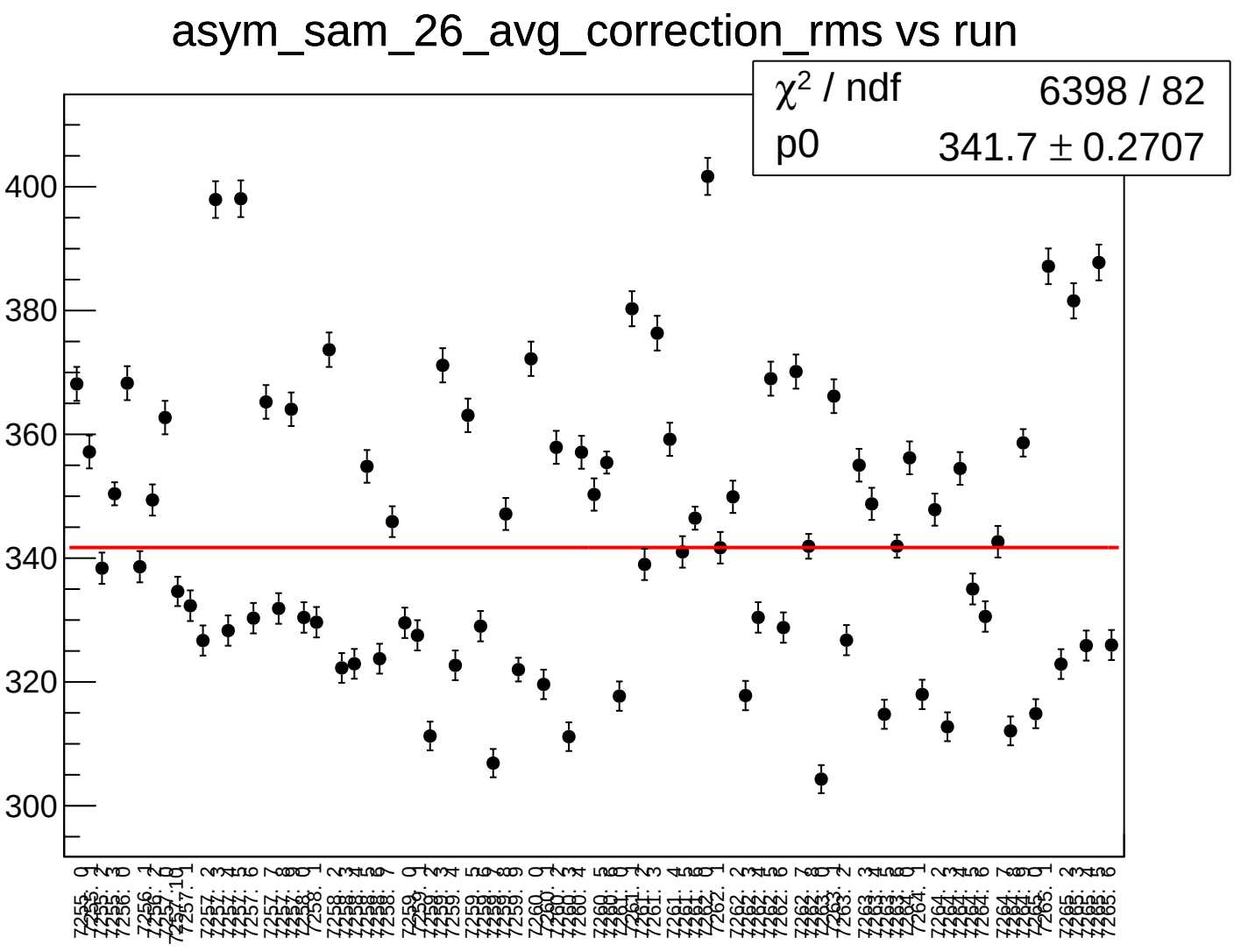

reg_asym_sam_26_avg_mean vs run
χ² / ndf 88.4 / 82
p0 −115.5 ± 69.69
2000
1000
0
−1000
−2000
pull
Entries 83
Mean −143.8
Std Dev 180.2
2
1
0
−1
−2

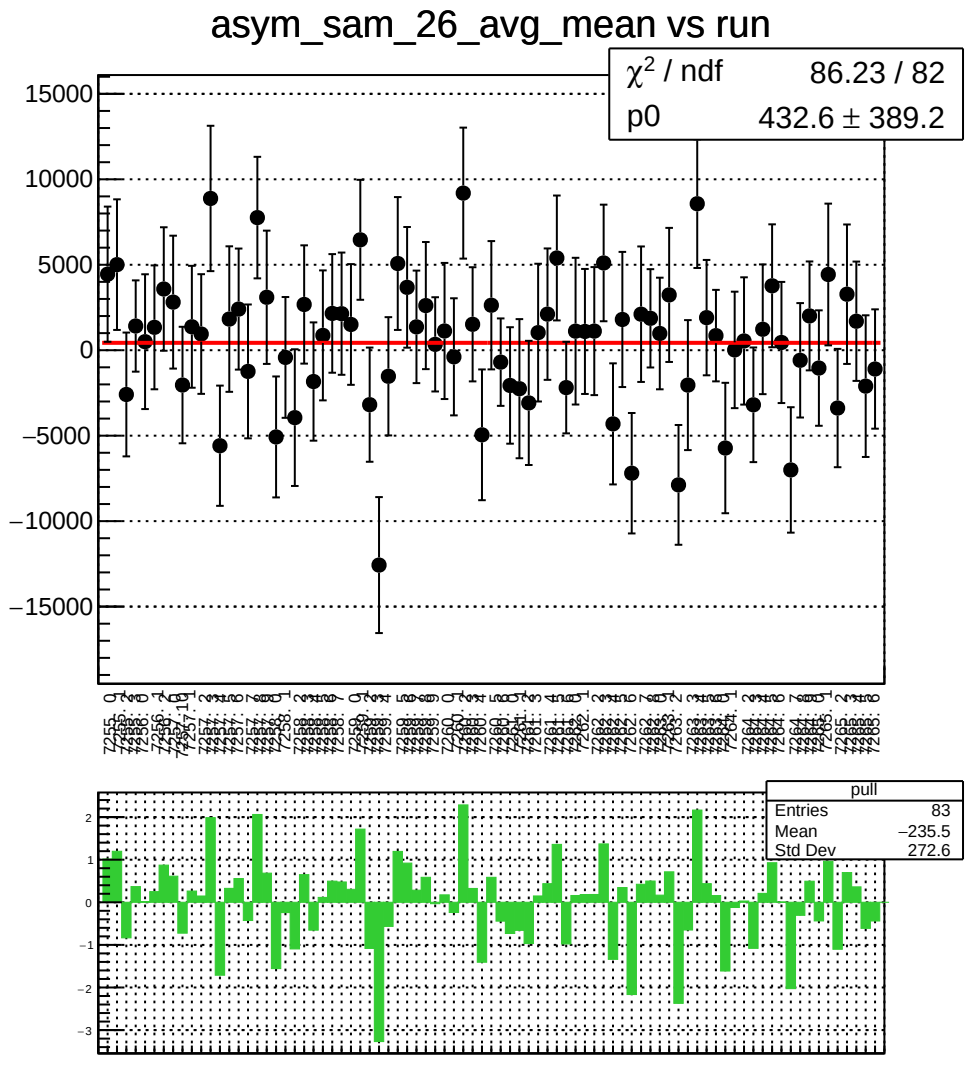

pull1D
Entries 83
Mean −0.01553
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

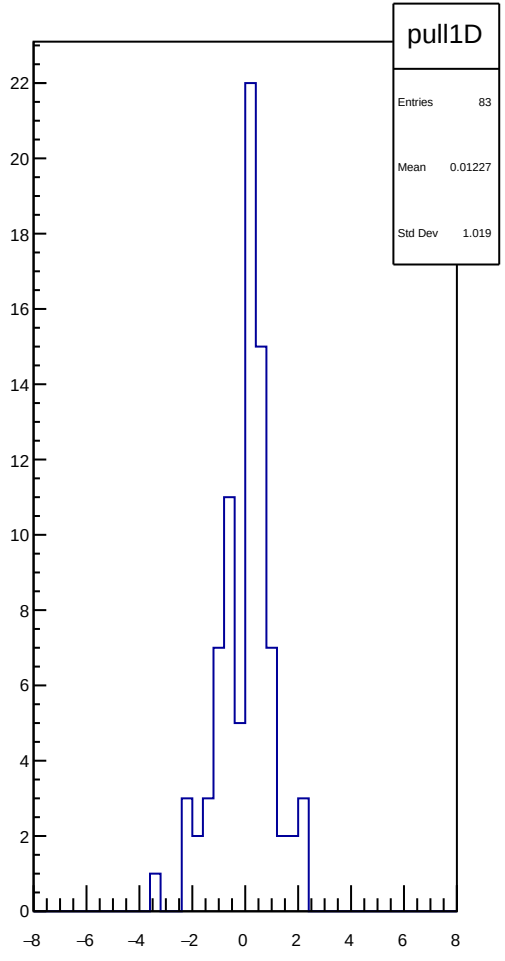

reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 3925 / 82
p0 62.25 ± 0.04928
76
74
72
70
68
66
64
62
60
58
56

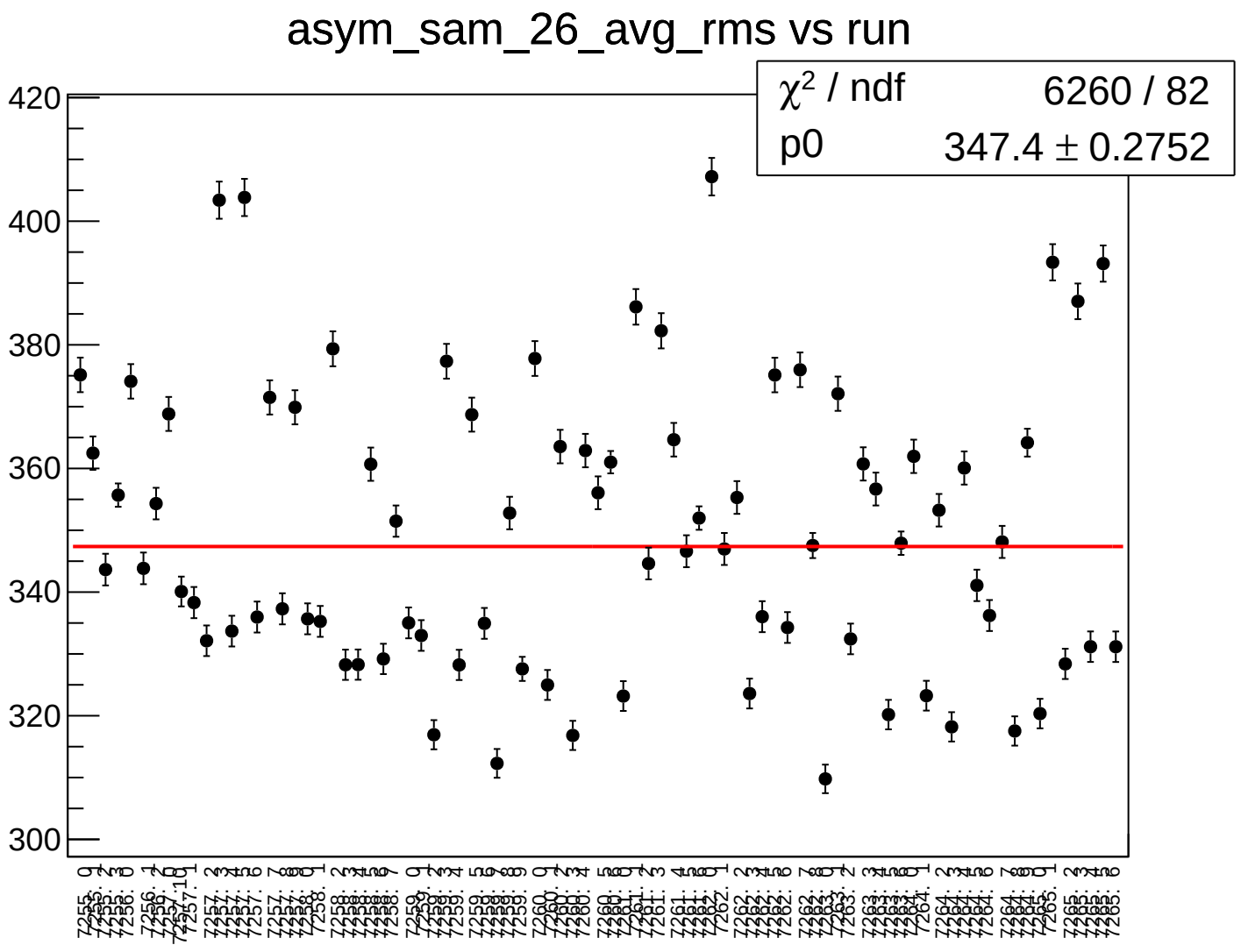

asym_sam_26_avg_correction_mean vs run
χ² / ndf 81.95 / 82
p0 −550.1± 382.9
pull
Entries 83
Mean −227
Std Dev 264

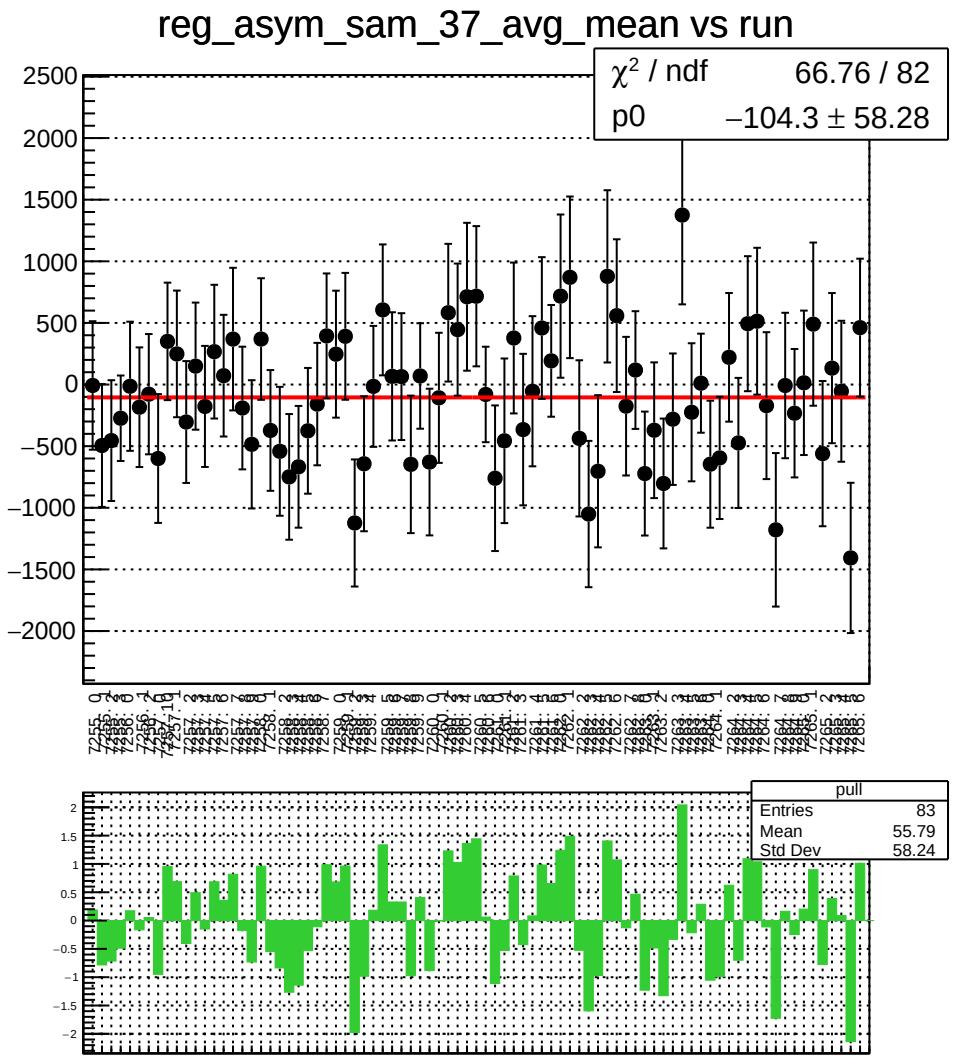

pull1D
Entries 83
Mean −0.01487
Std Dev 0.9936

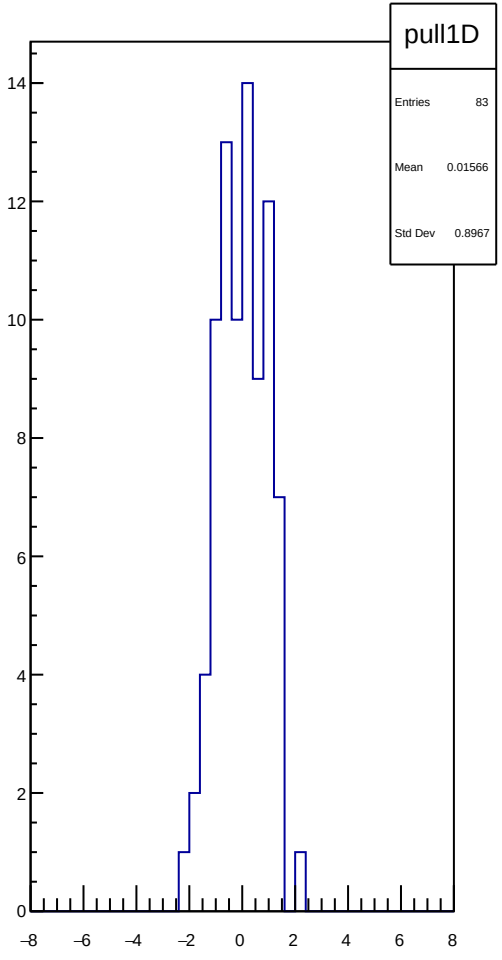

asym_sam_26_avg_correction_rms vs run
χ² / ndf 6398 / 82
p0 341.7 ± 0.2707
400
380
360
340
320
300

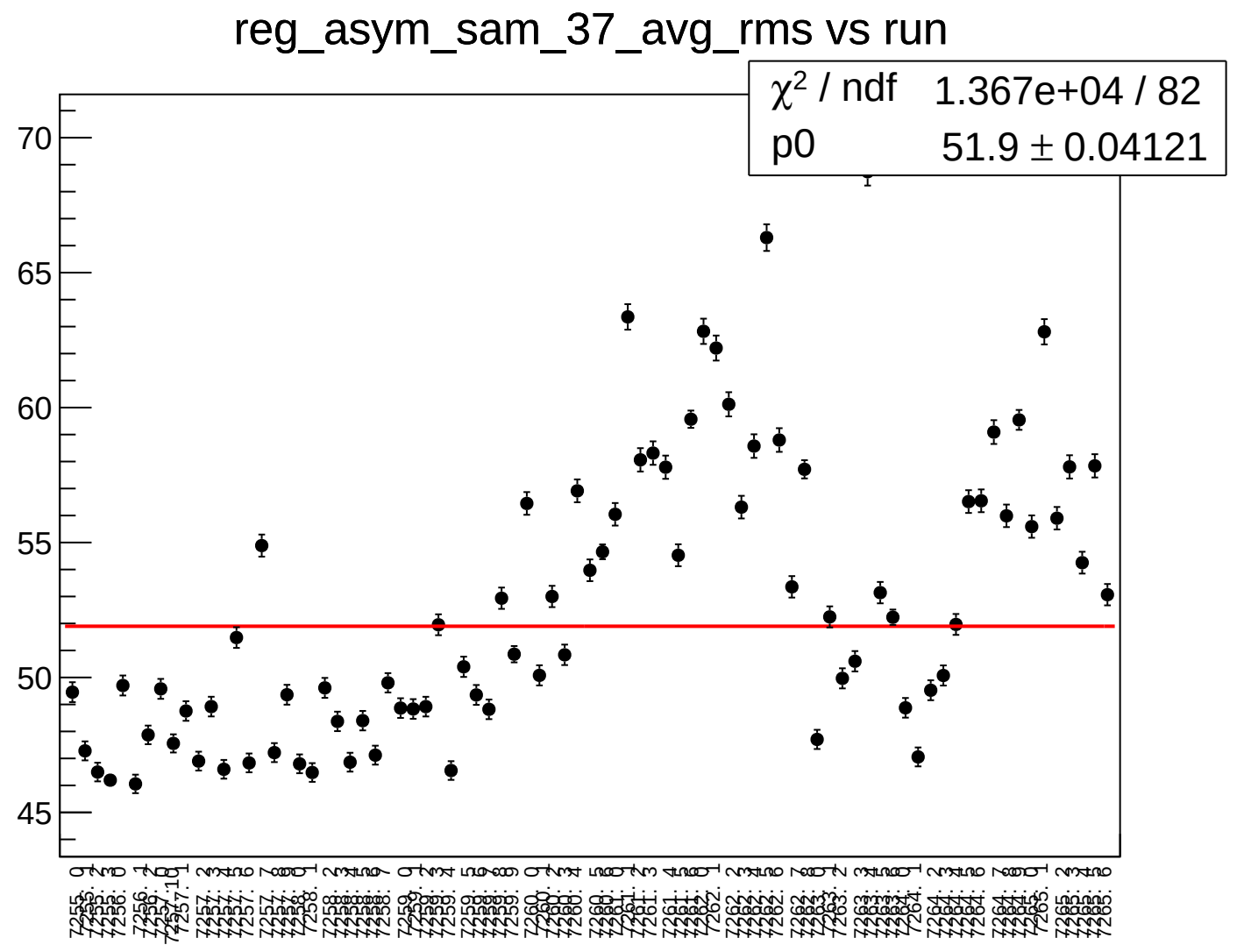

asym_sam_26_avg_mean vs run
χ² / ndf 86.23 / 82
p0 432.6 ± 389.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −235.5
Std Dev 272.6
2
1
0
−1
−2
−3

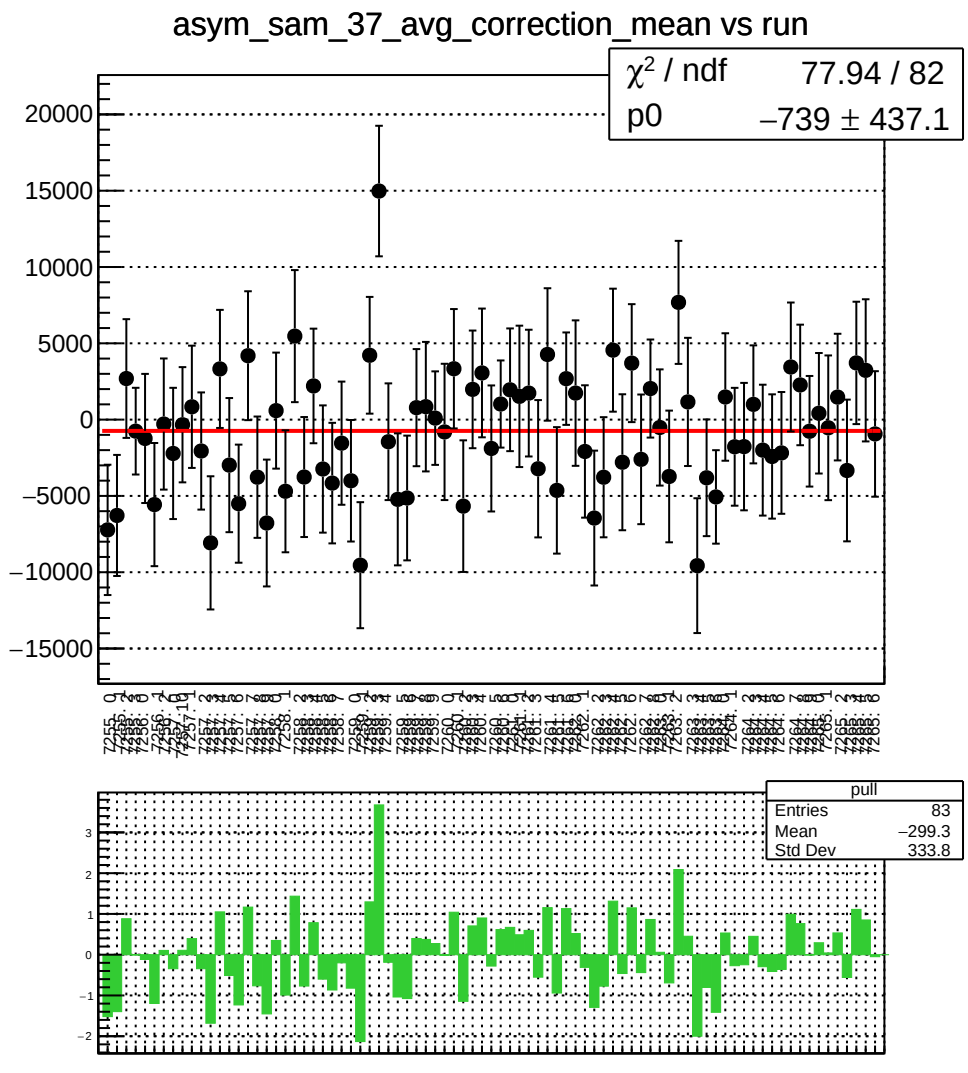

pull1D
Entries 83
Mean 0.01227
Std Dev 1.019
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

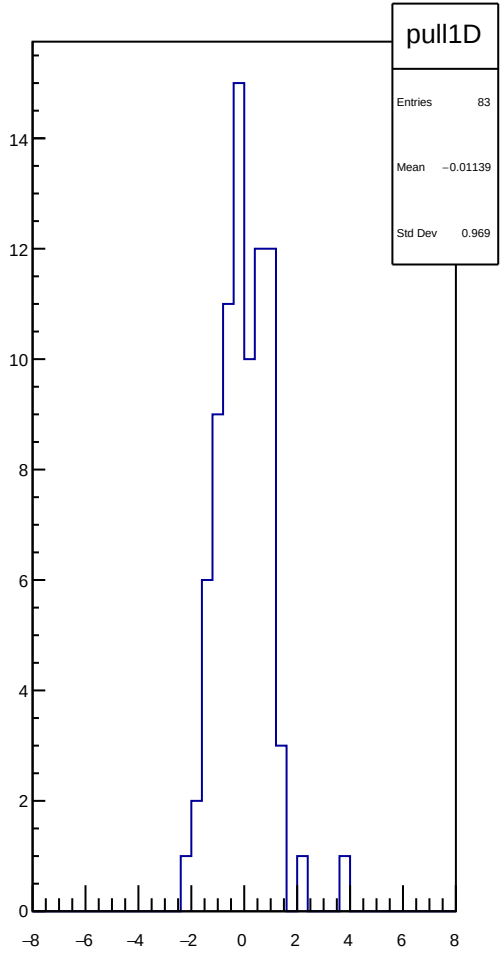

asym_sam_26_avg_rms vs run
χ² / ndf 6260 / 82
p0 347.4 ± 0.2752
420
400
380
360
340
320
300

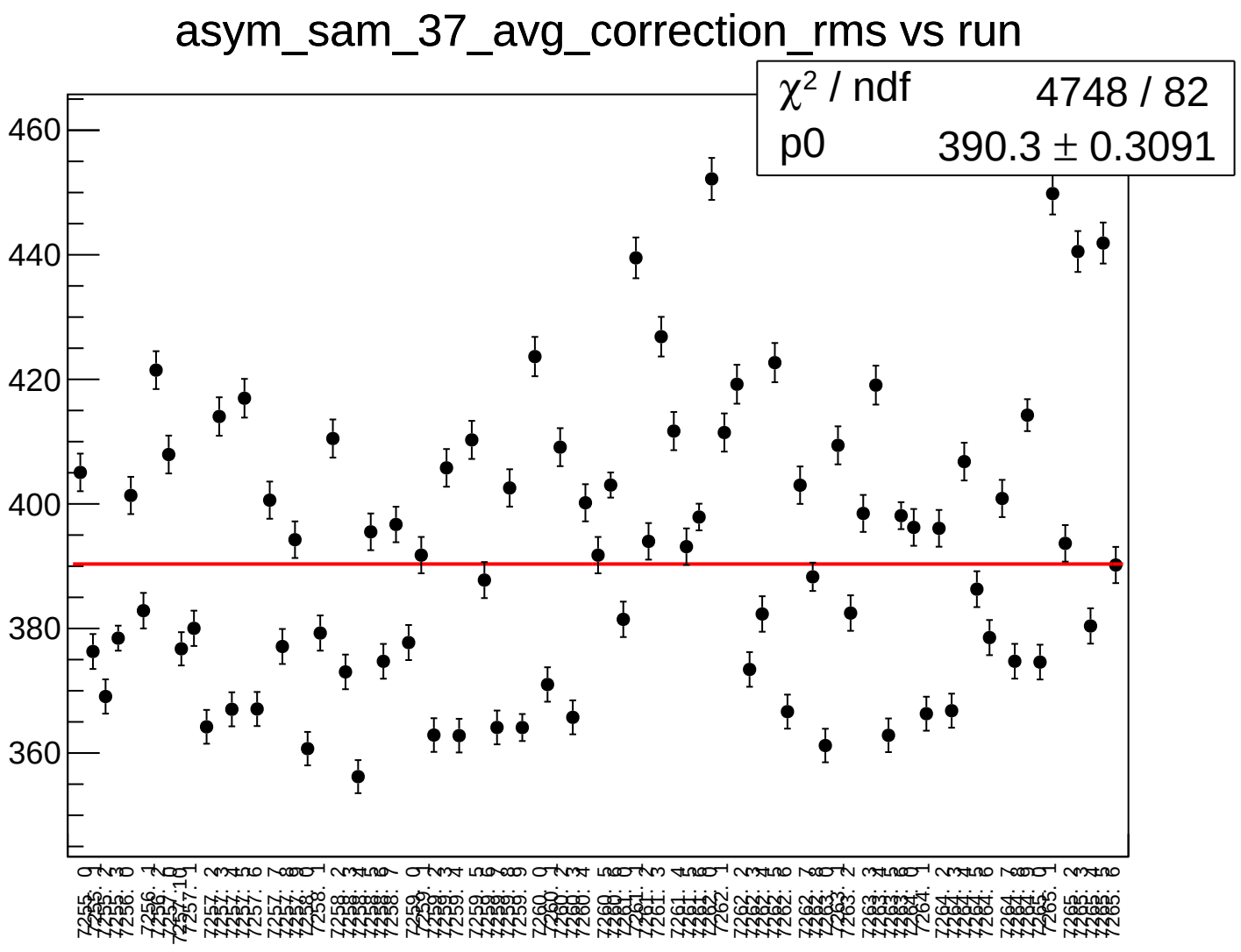

reg_asym_sam_37_avg_mean vs run
χ² / ndf 66.76 / 82
p0 −104.3 ± 58.28
pull
Entries 83
Mean 55.79
Std Dev 58.24

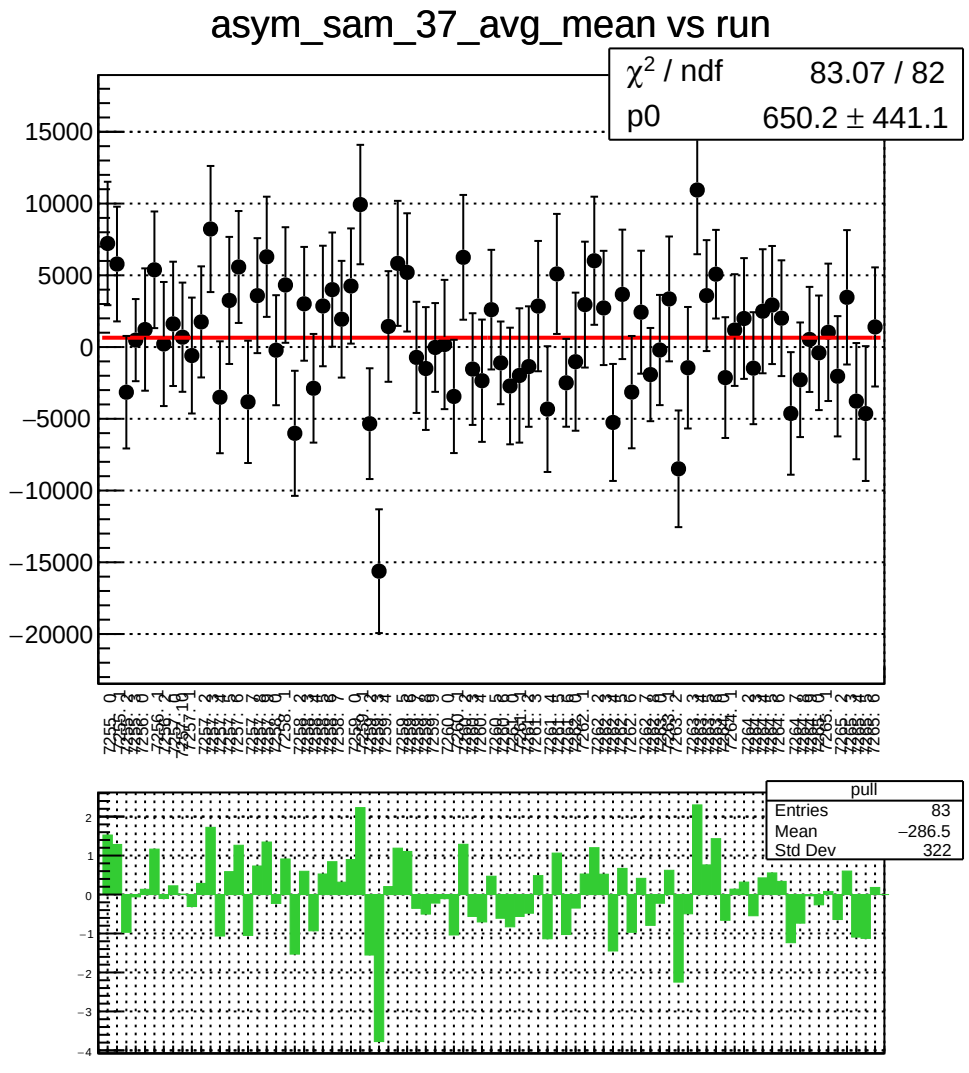

pull1D
Entries 83
Mean 0.01566
Std Dev 0.8967

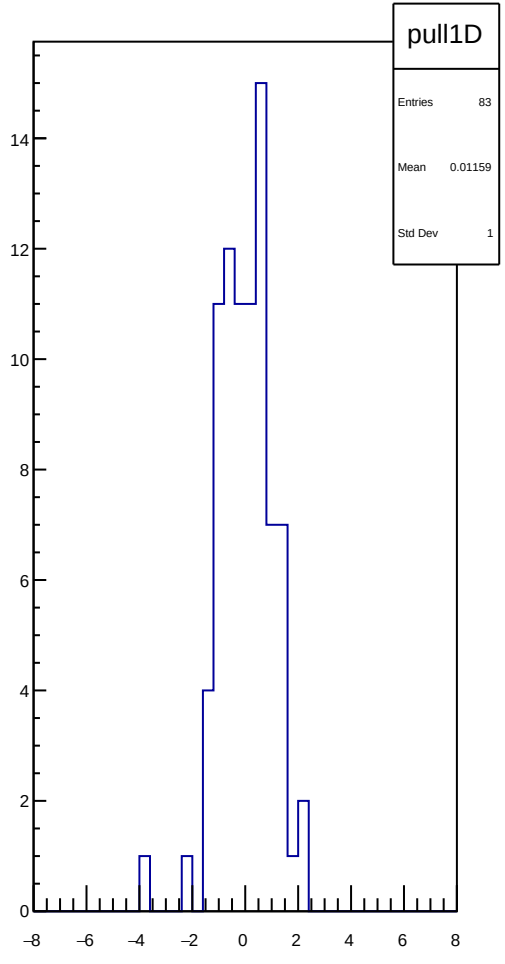

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.367e+04 / 82
p0 51.9 ± 0.04121
70
65
60
55
50
45

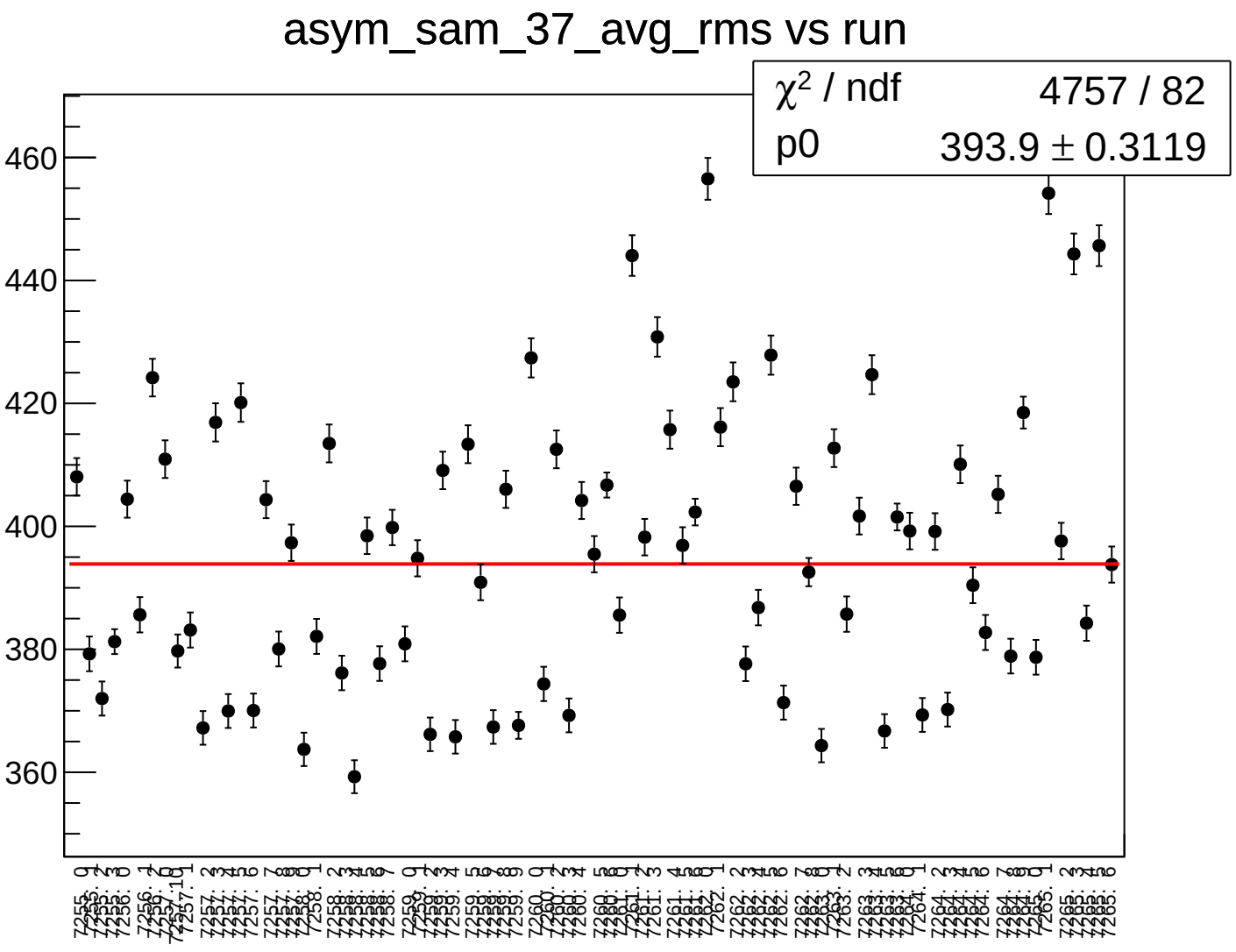

asym_sam_37_avg_correction_mean vs run
χ² / ndf 77.94 / 82
p0 −739 ± 437.1
pull
Entries 83
Mean −299.3
Std Dev 333.8

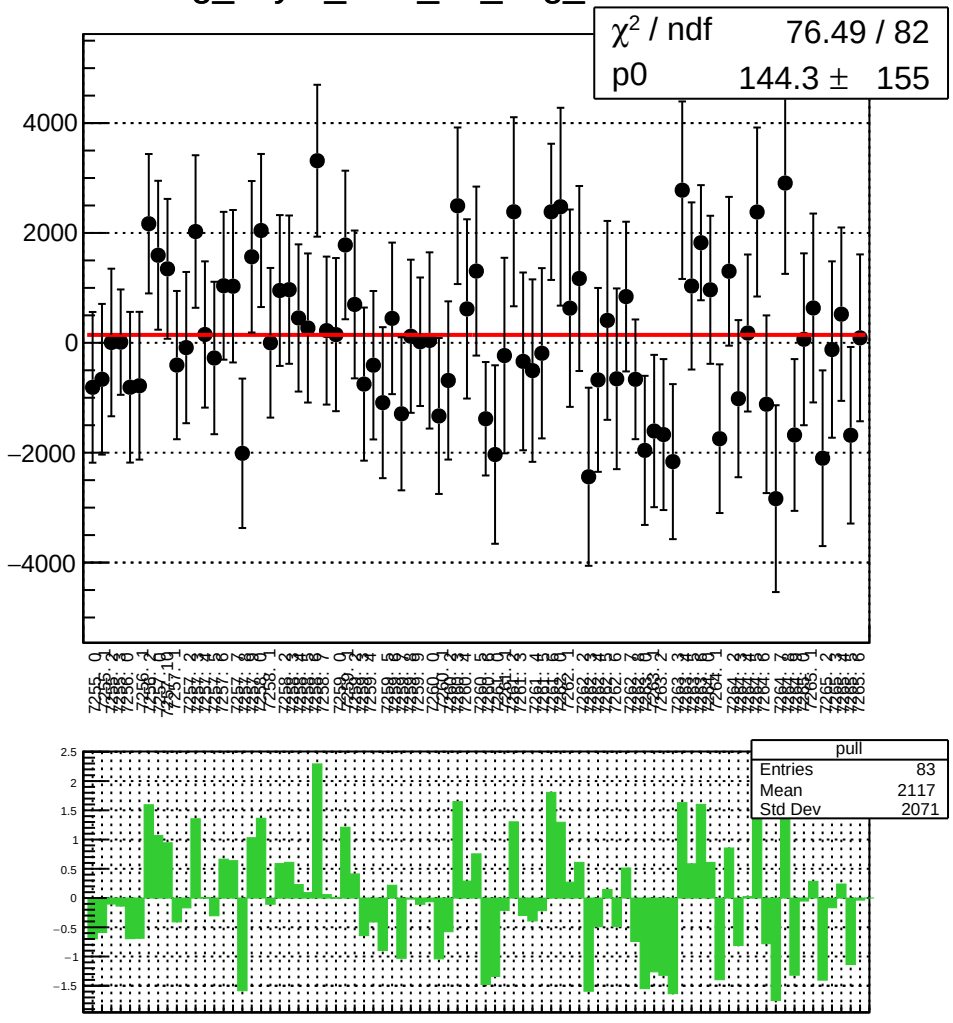

pull1D
Entries 83
Mean −0.01139
Std Dev 0.969

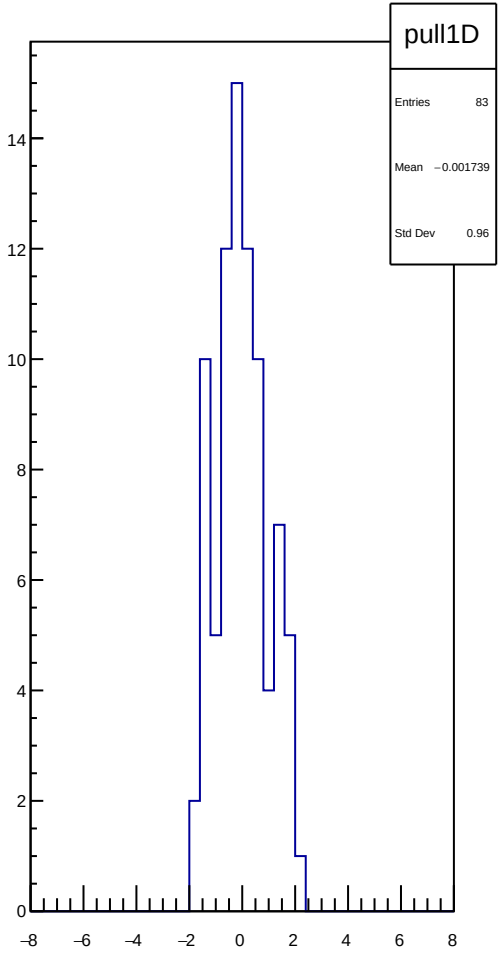

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4748 / 82
p0 390.3 ± 0.3091
460
440
420
400
380
360

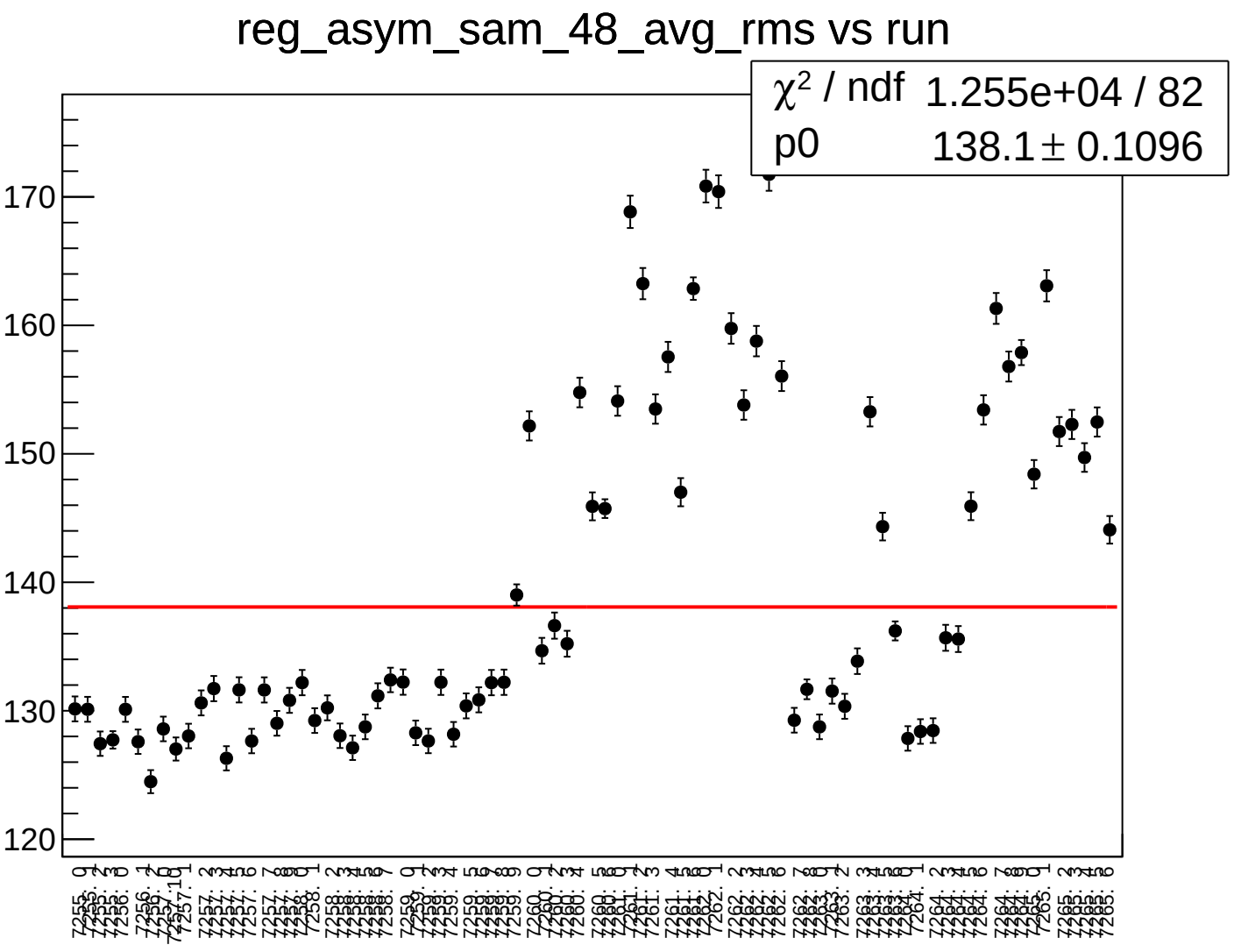

asym_sam_37_avg_mean vs run
χ² / ndf 83.07 / 82
p0 650.2 ± 441.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean −286.5
Std Dev 322
2
1
0
−1
−2
−3
−4

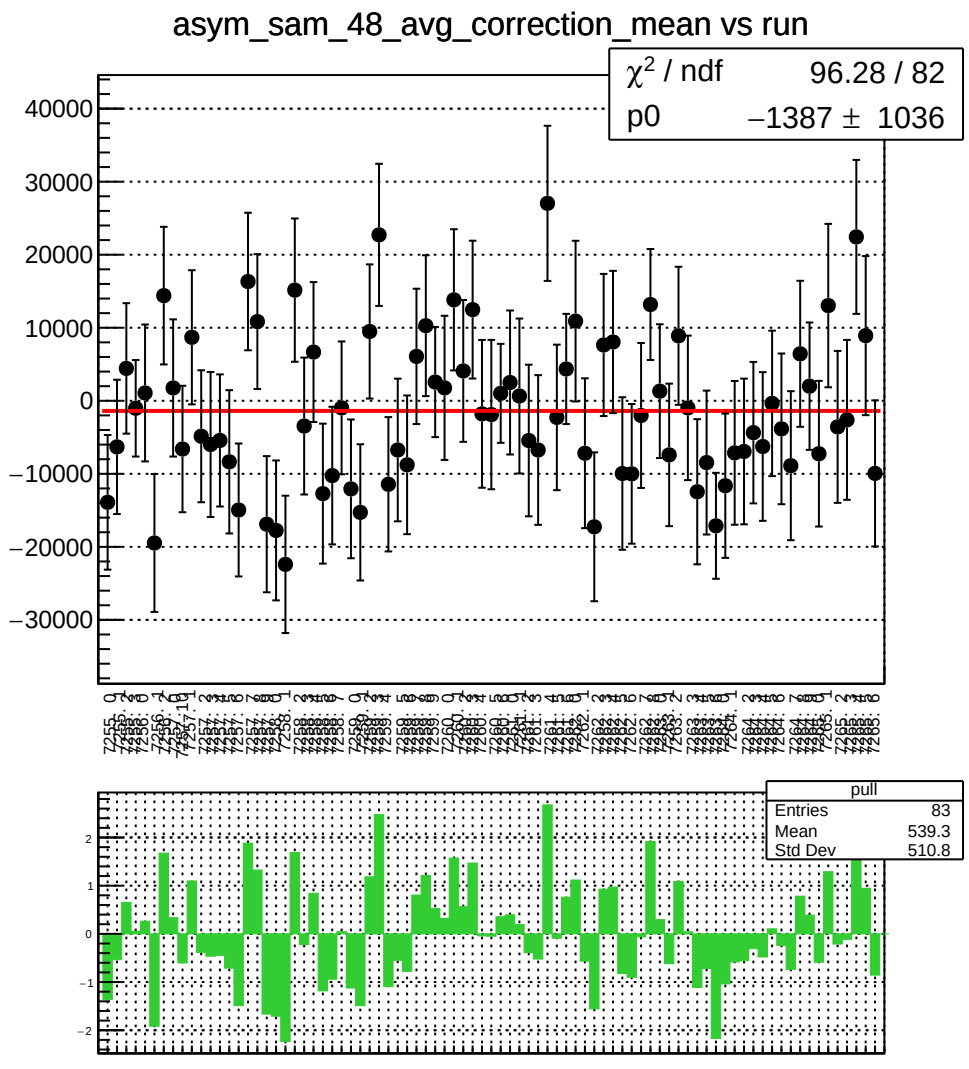

pull1D
Entries 83
Mean 0.01159
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

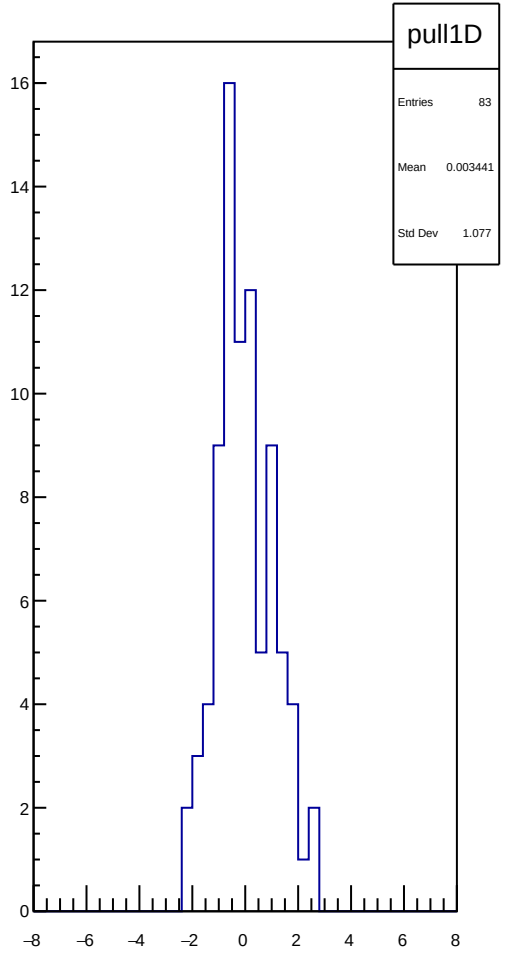

asym_sam_37_avg_rms vs run
χ² / ndf 4757 / 82
p0 393.9 ± 0.3119
460
440
420
400
380
360

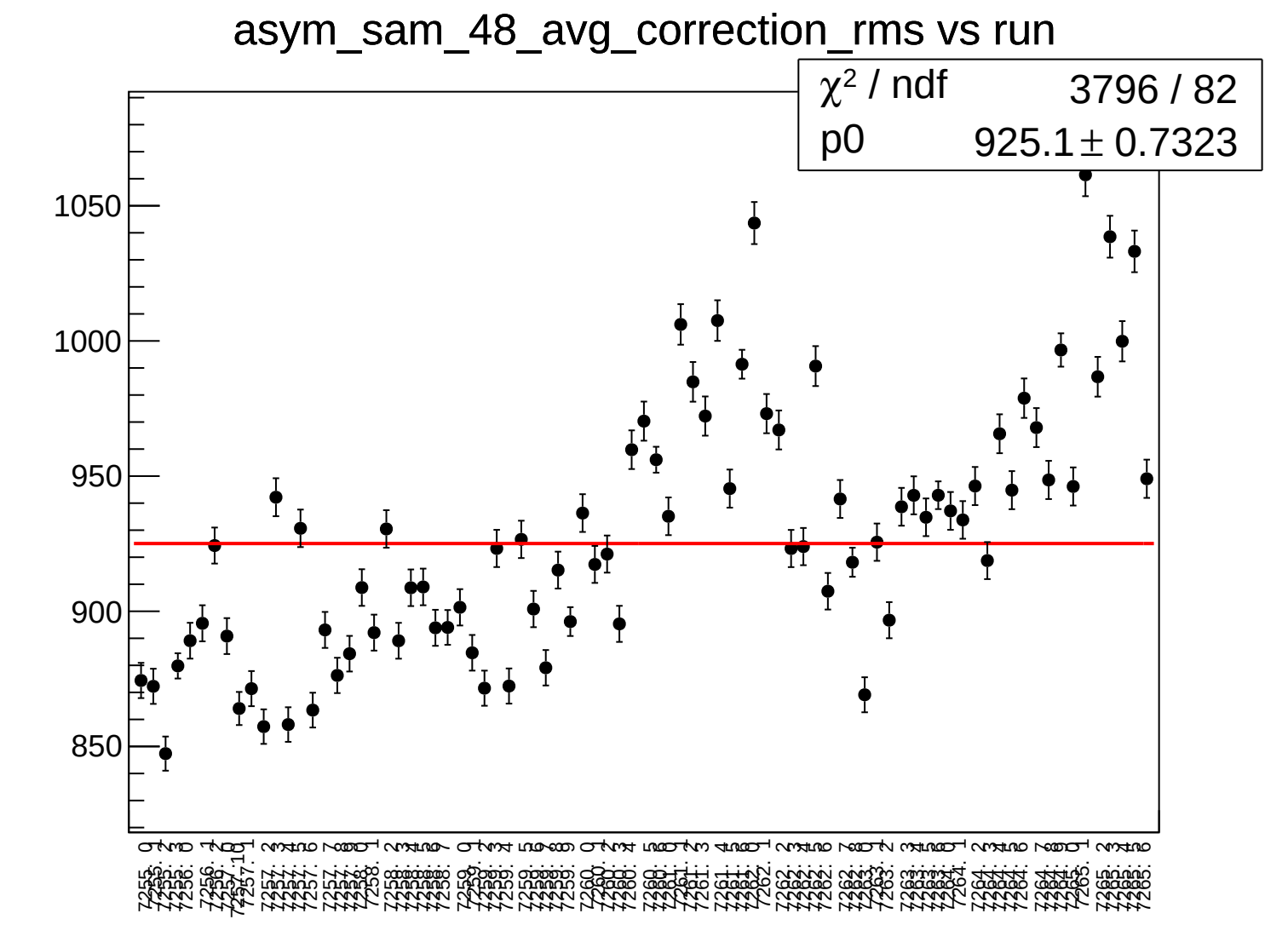

reg_asym_sam_48_avg_mean vs run
χ² / ndf 76.49 / 82
p0 144.3 ± 155
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 2117
Std Dev 2071
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

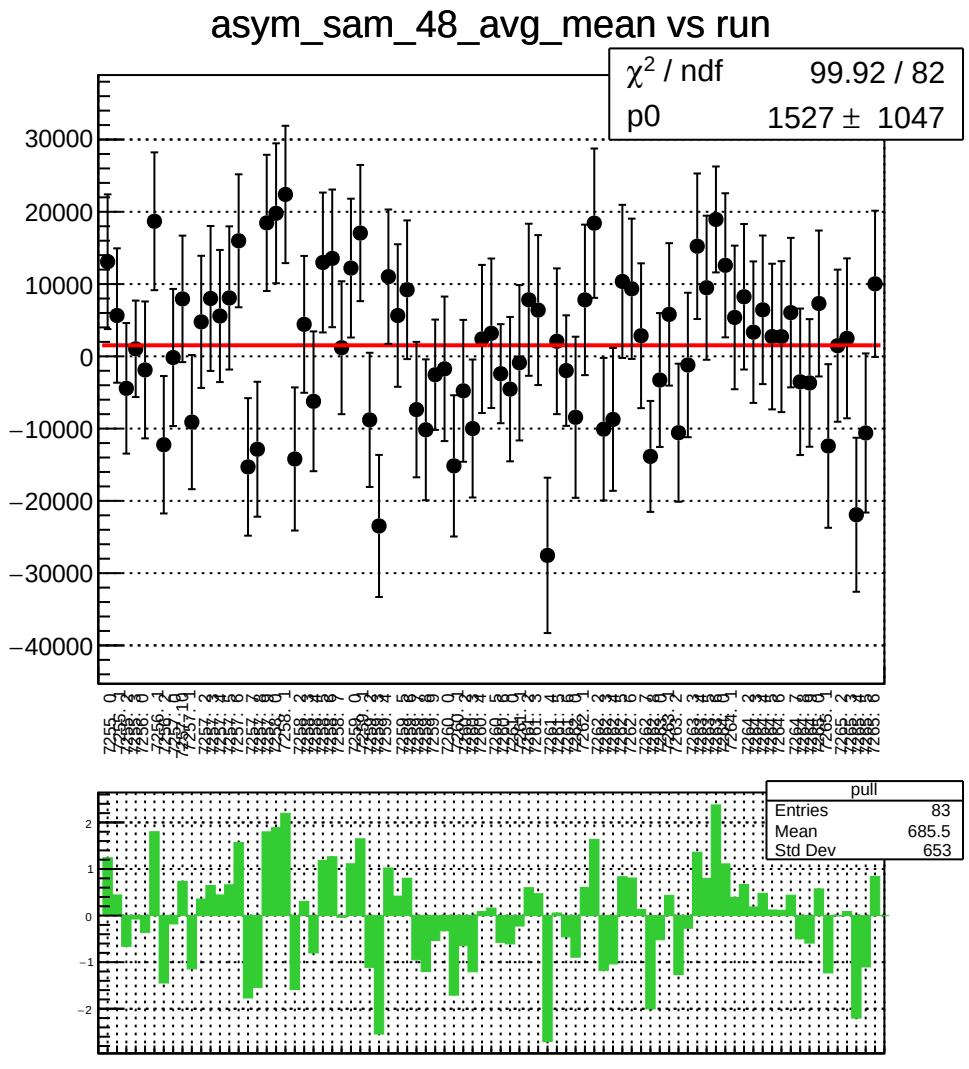

pull1D
Entries 83
Mean −0.001739
Std Dev 0.96
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

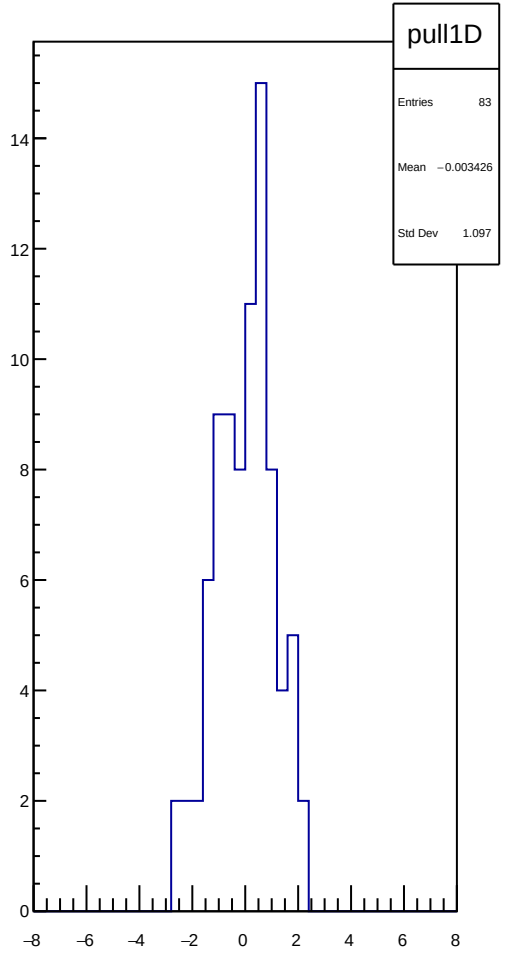

reg_asym_sam_48_avg_rms vs run
χ² / ndf 1.255e+04 / 82
p0 138.1 ± 0.1096
170
160
150
140
130
120

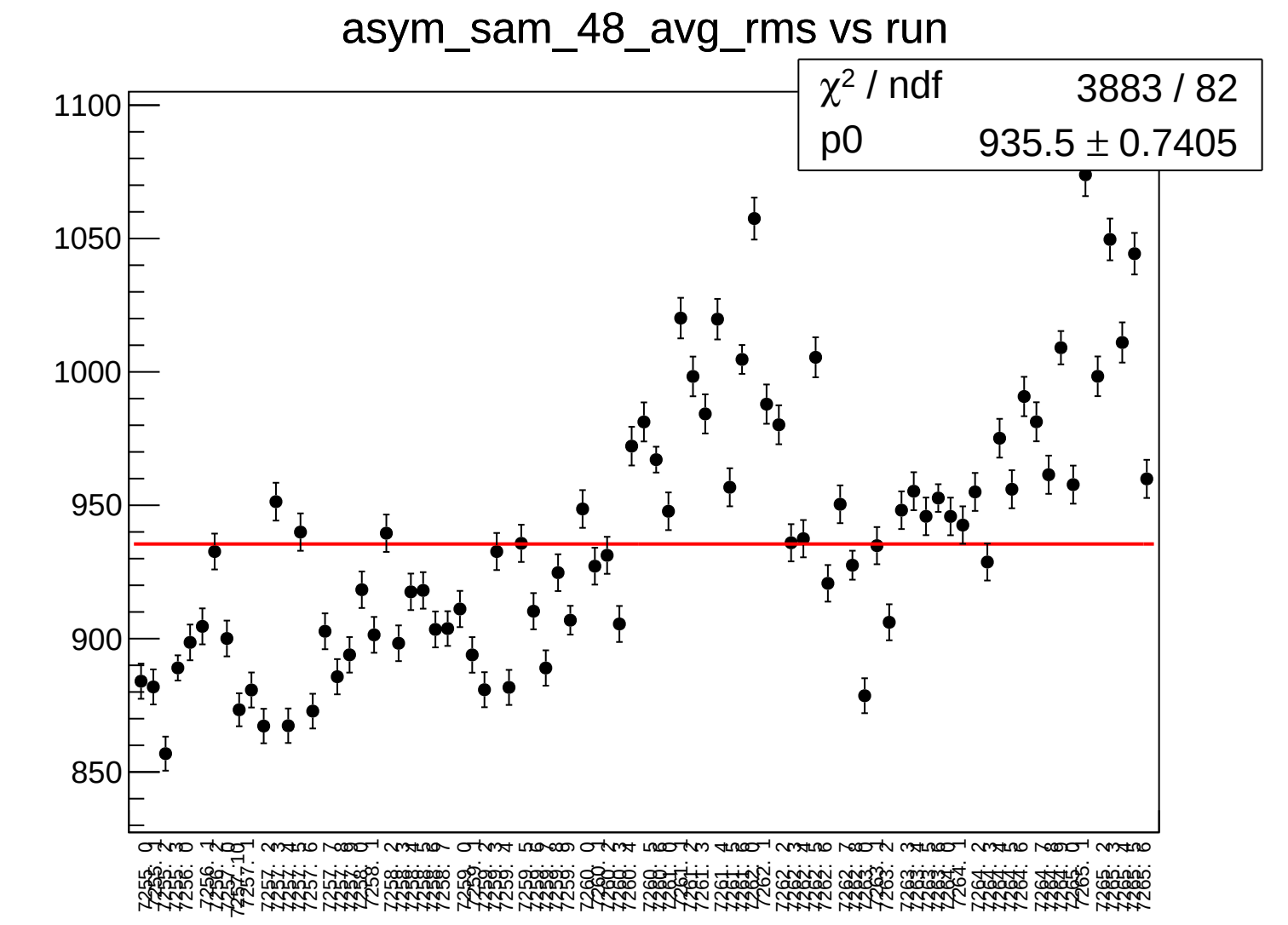

asym_sam_48_avg_correction_mean vs run
χ² / ndf 96.28 / 82
p0 −1387 ± 1036
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 539.3
Std Dev 510.8
2
1
0
−1
−2

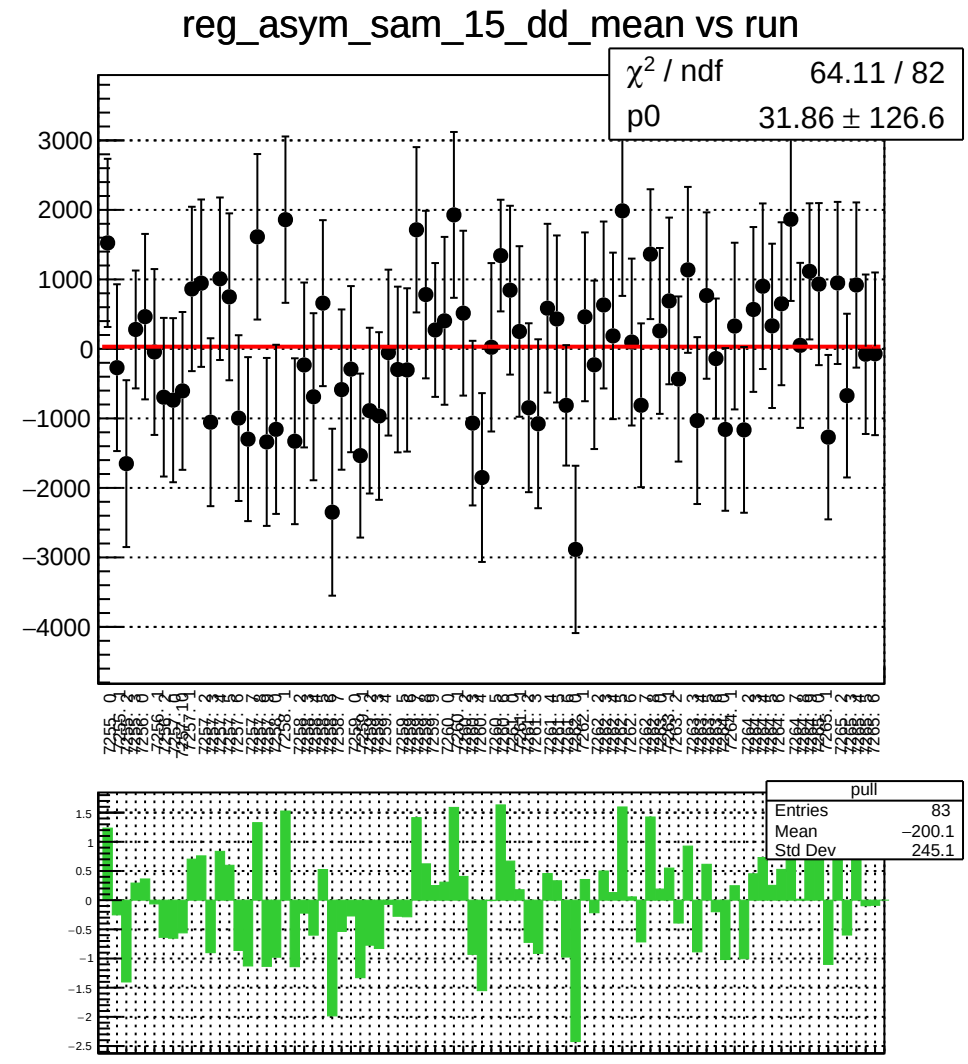

pull1D
Entries 83
Mean 0.003441
Std Dev 1.077
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

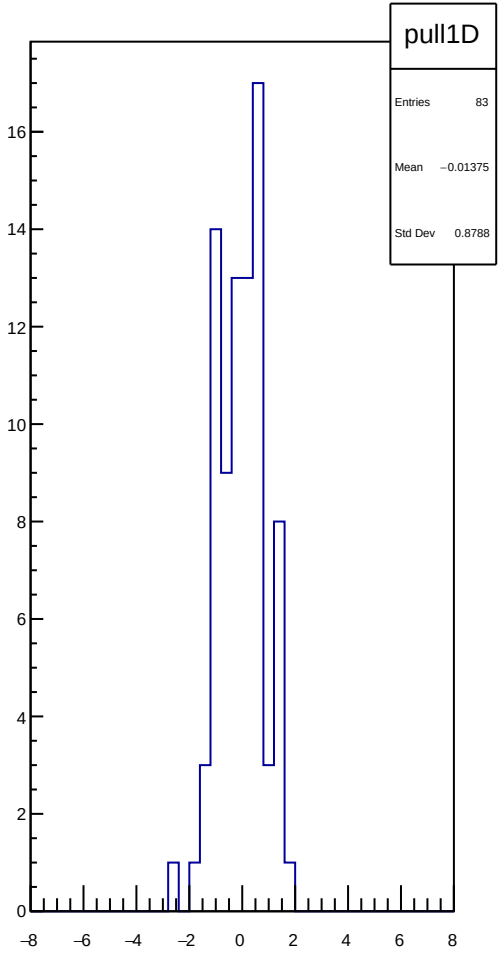

asym_sam_48_avg_correction_rms vs run
χ² / ndf 3796 / 82
p0 925.1 ± 0.7323
1050
1000
950
900
850

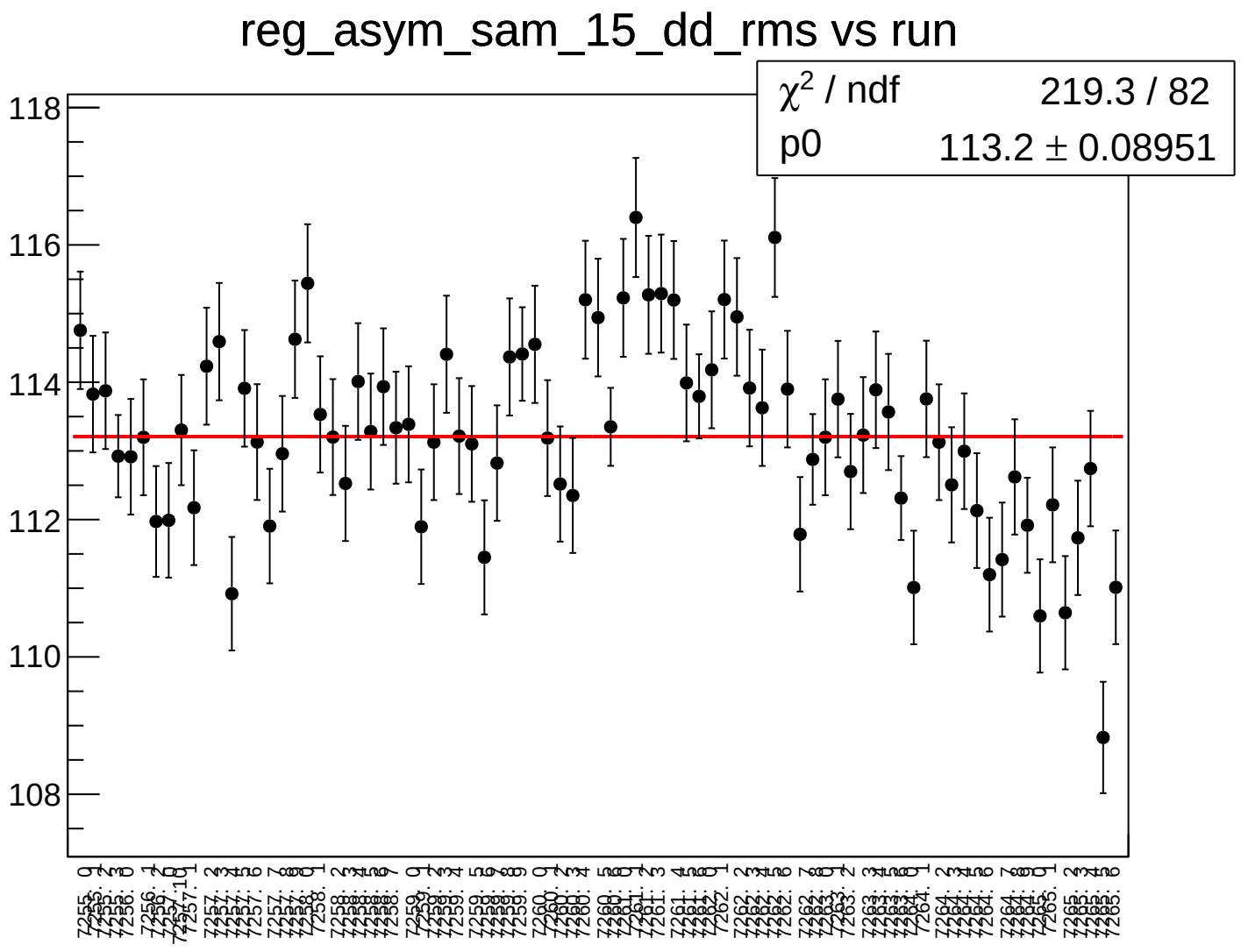

asym_sam_48_avg_mean vs run
χ² / ndf 99.92 / 82
p0 1527 ± 1047
pull
Entries 83
Mean 685.5
Std Dev 653

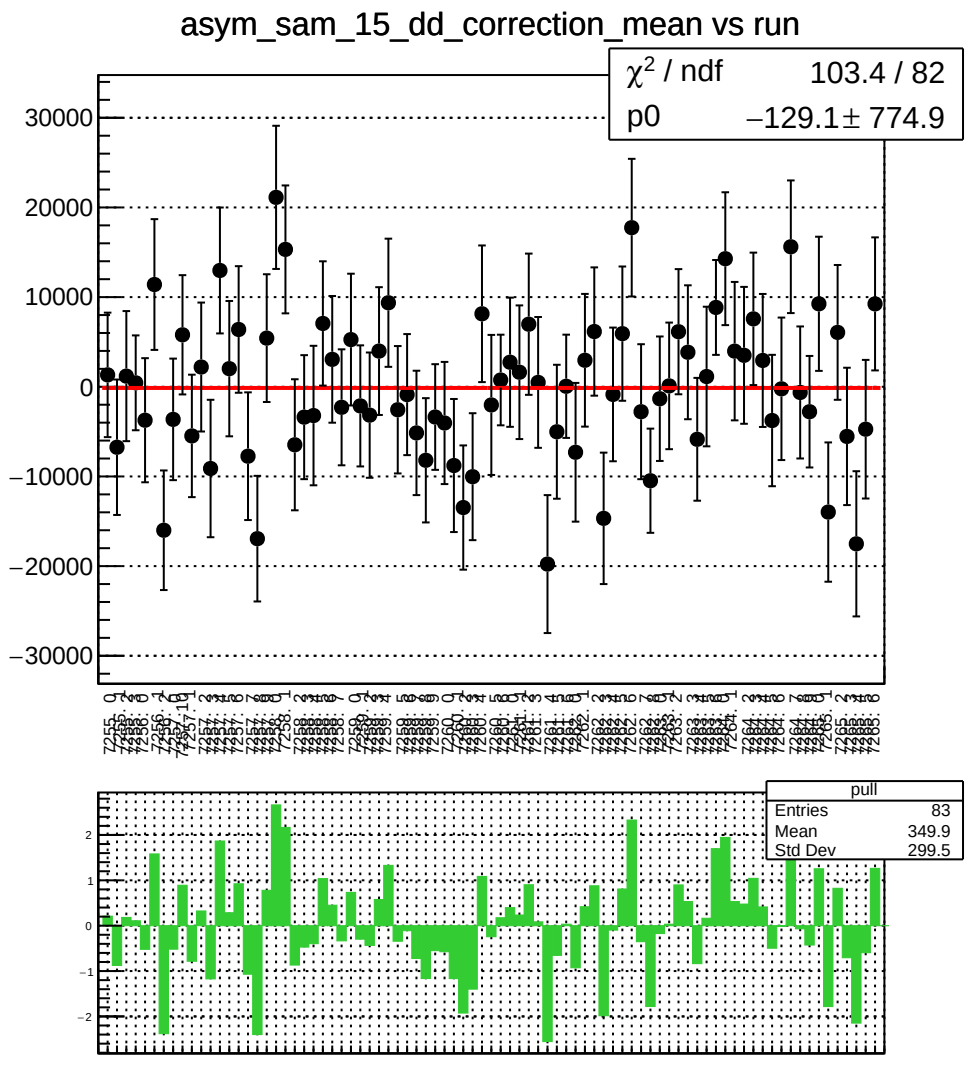

pull1D
Entries 83
Mean −0.003426
Std Dev 1.097

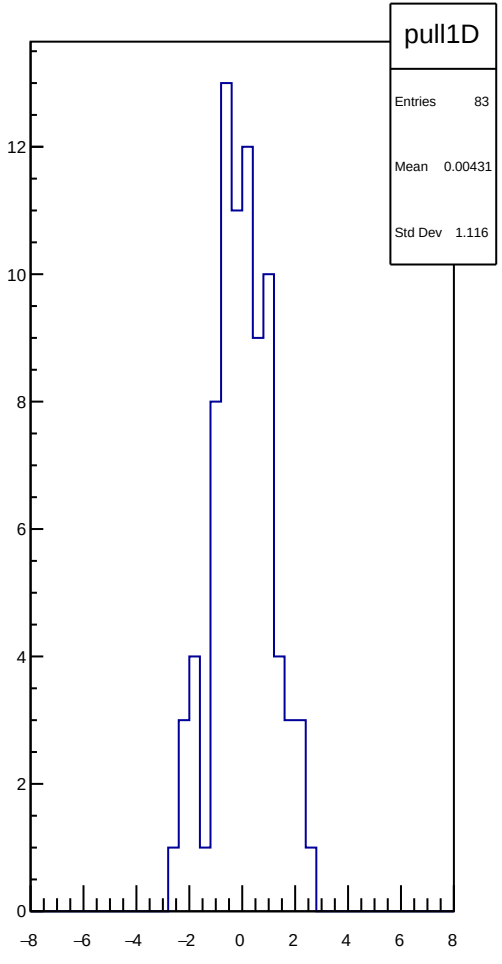

asym_sam_48_avg_rms vs run
χ² / ndf 3883 / 82
p0 935.5 ± 0.7405
1100
1050
1000
950
900
850

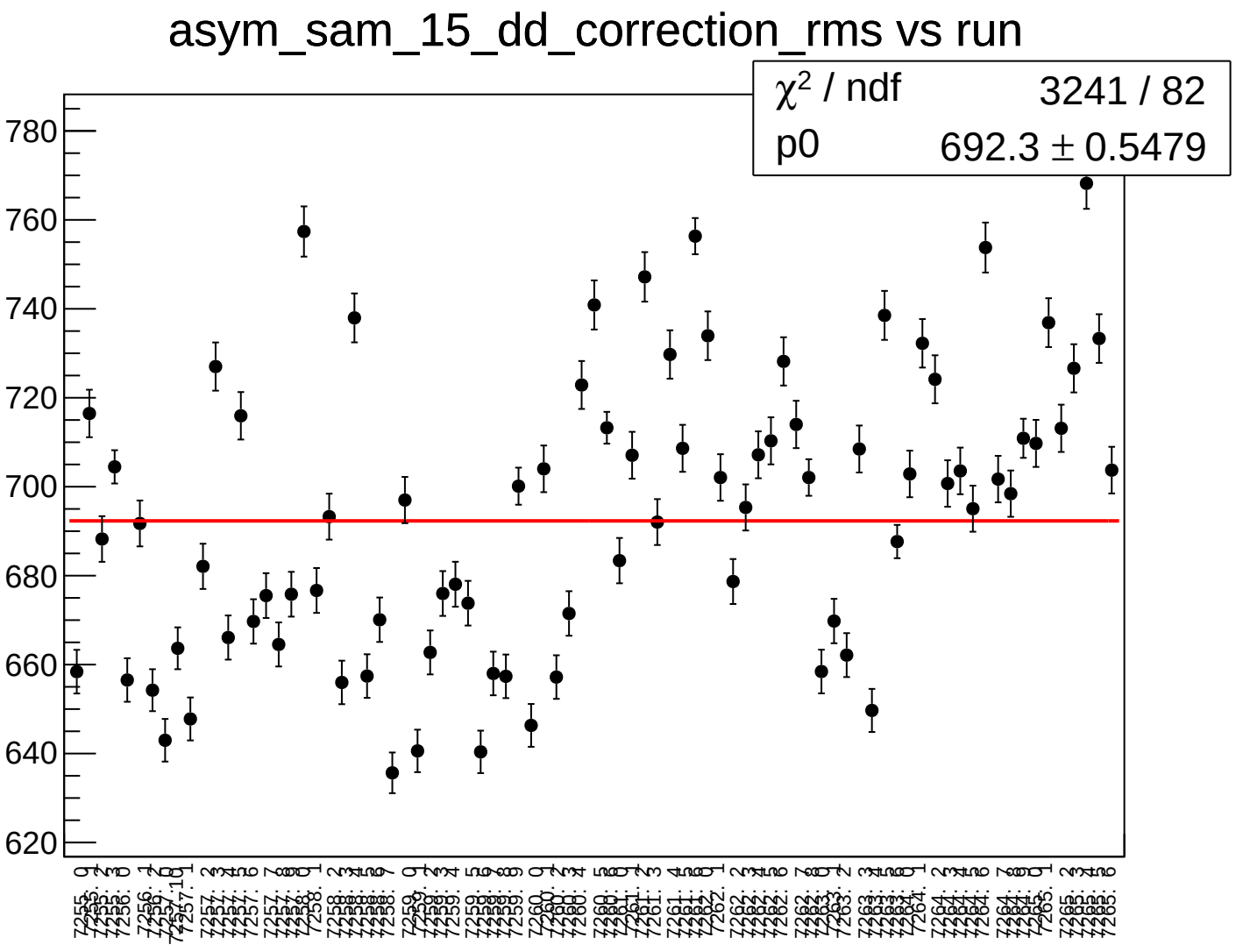

reg_asym_sam_15_dd_mean vs run
χ² / ndf 64.11 / 82
p0 31.86 ± 126.6
pull
Entries 83
Mean −200.1
Std Dev 245.1

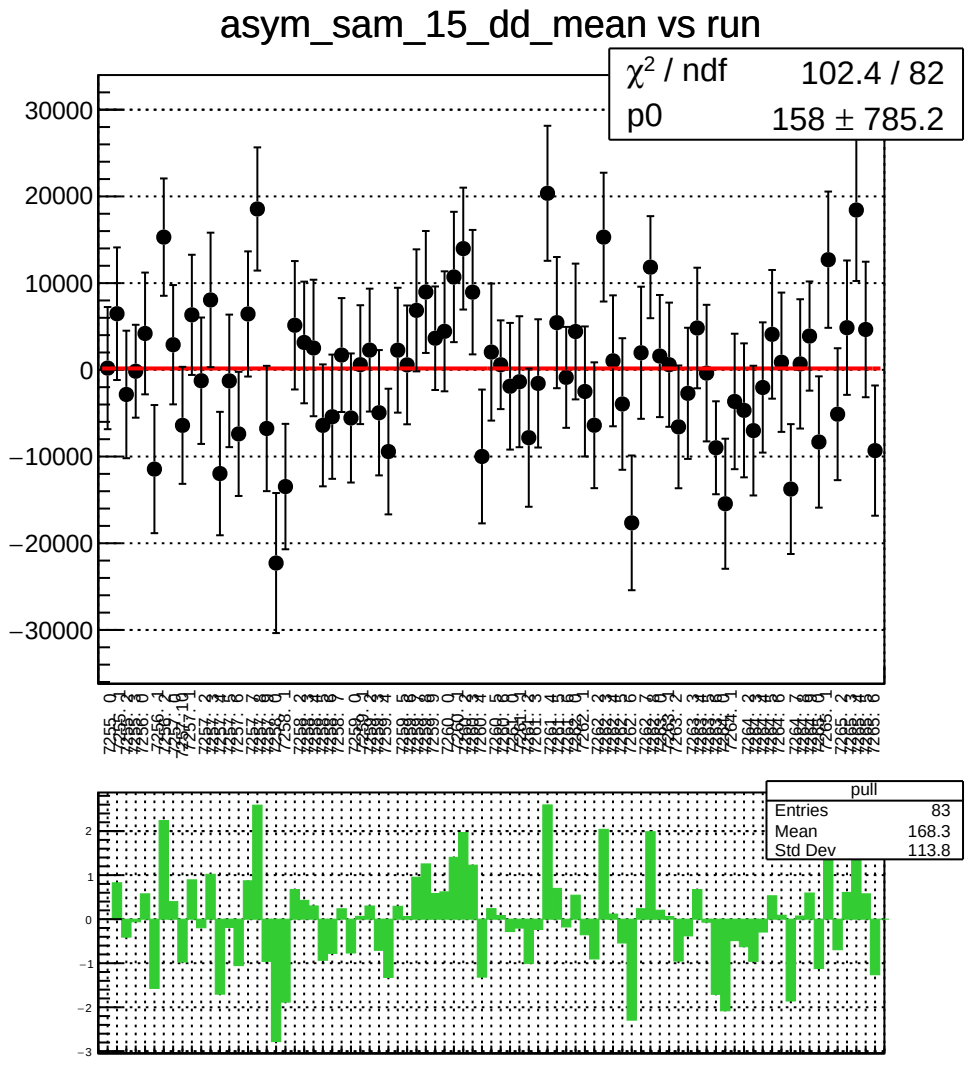

pull1D
Entries 83
Mean −0.01375
Std Dev 0.8788

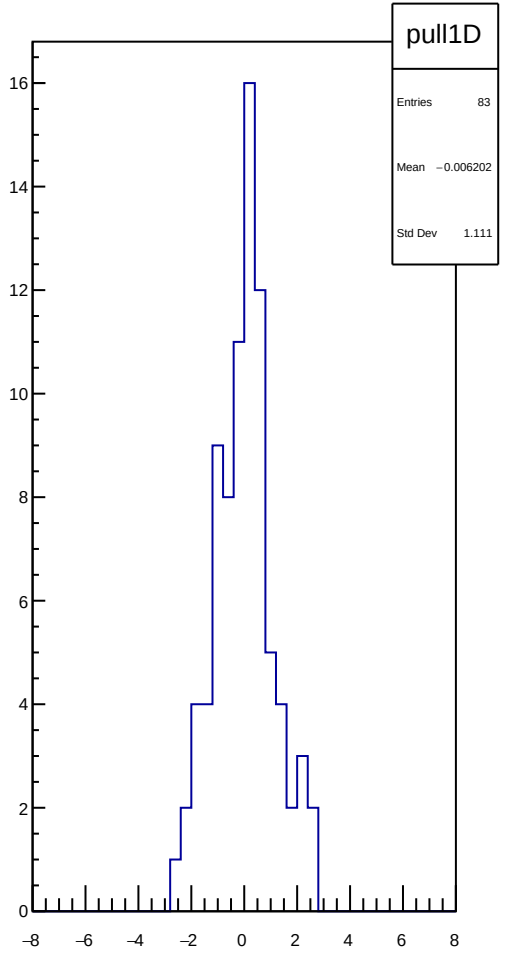

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 219.3 / 82
p0 113.2 ± 0.08951
118
116
114
112
110
108

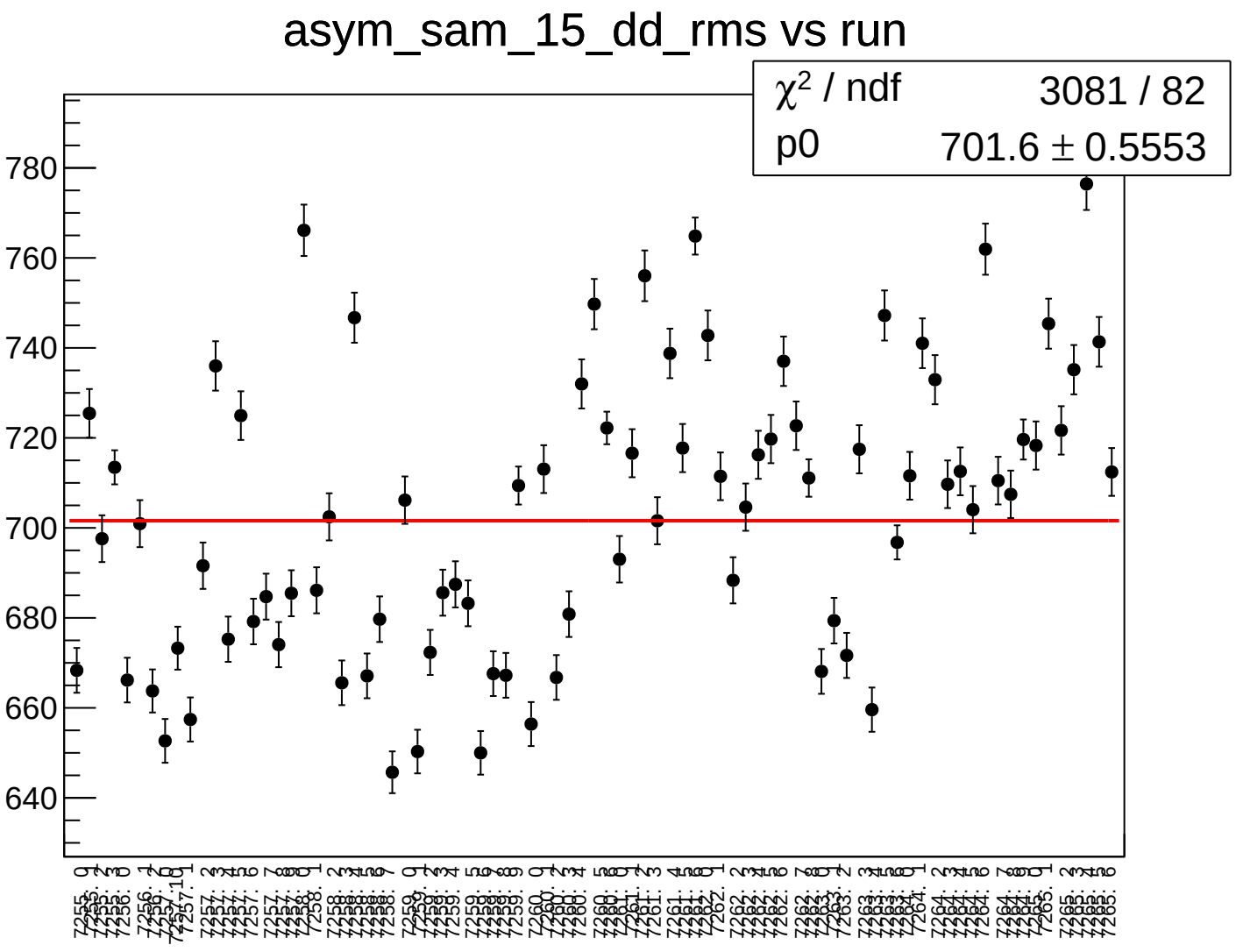

asym_sam_15_dd_correction_mean vs run
χ² / ndf 103.4 / 82
p0 −129.1± 774.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 349.9
Std Dev 299.5
2
1
0
−1
−2

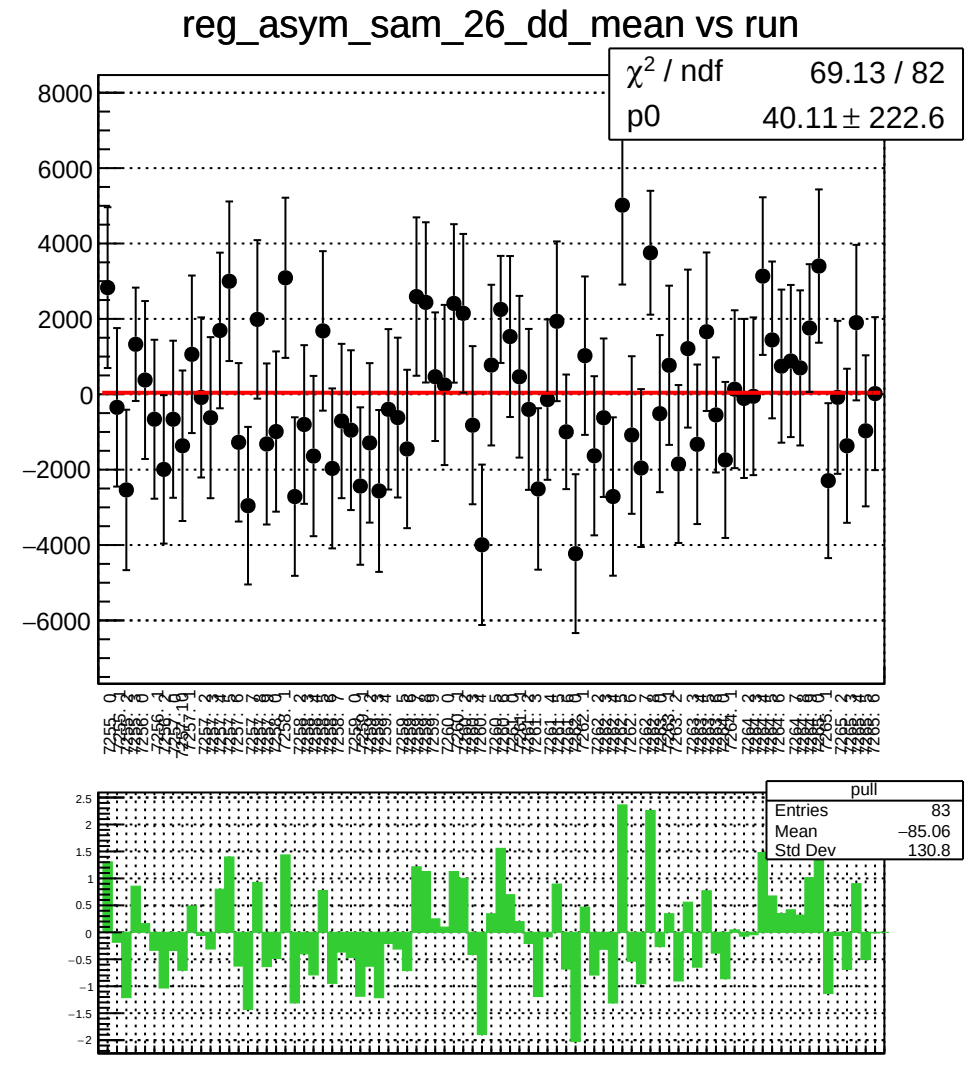

pull1D
Entries 83
Mean 0.00431
Std Dev 1.116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

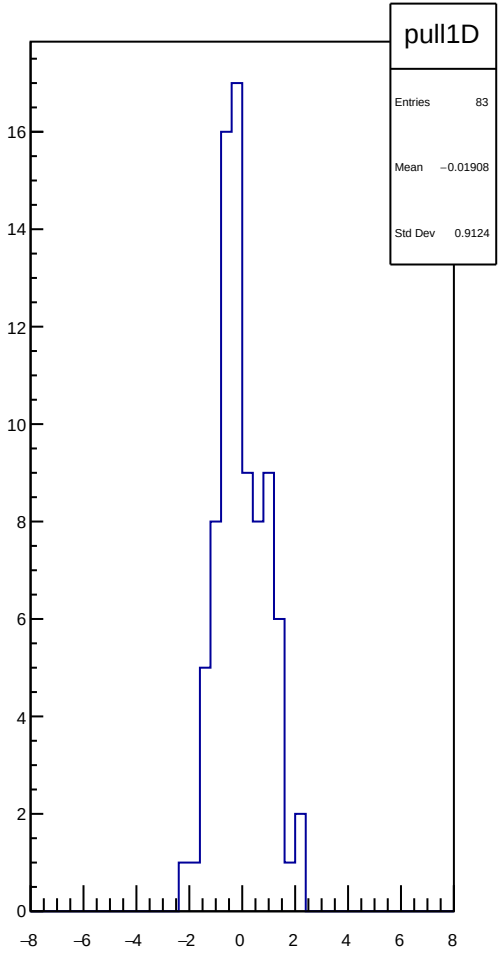

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3241 / 82
p0 692.3 ± 0.5479
780
760
740
720
700
680
660
640
620

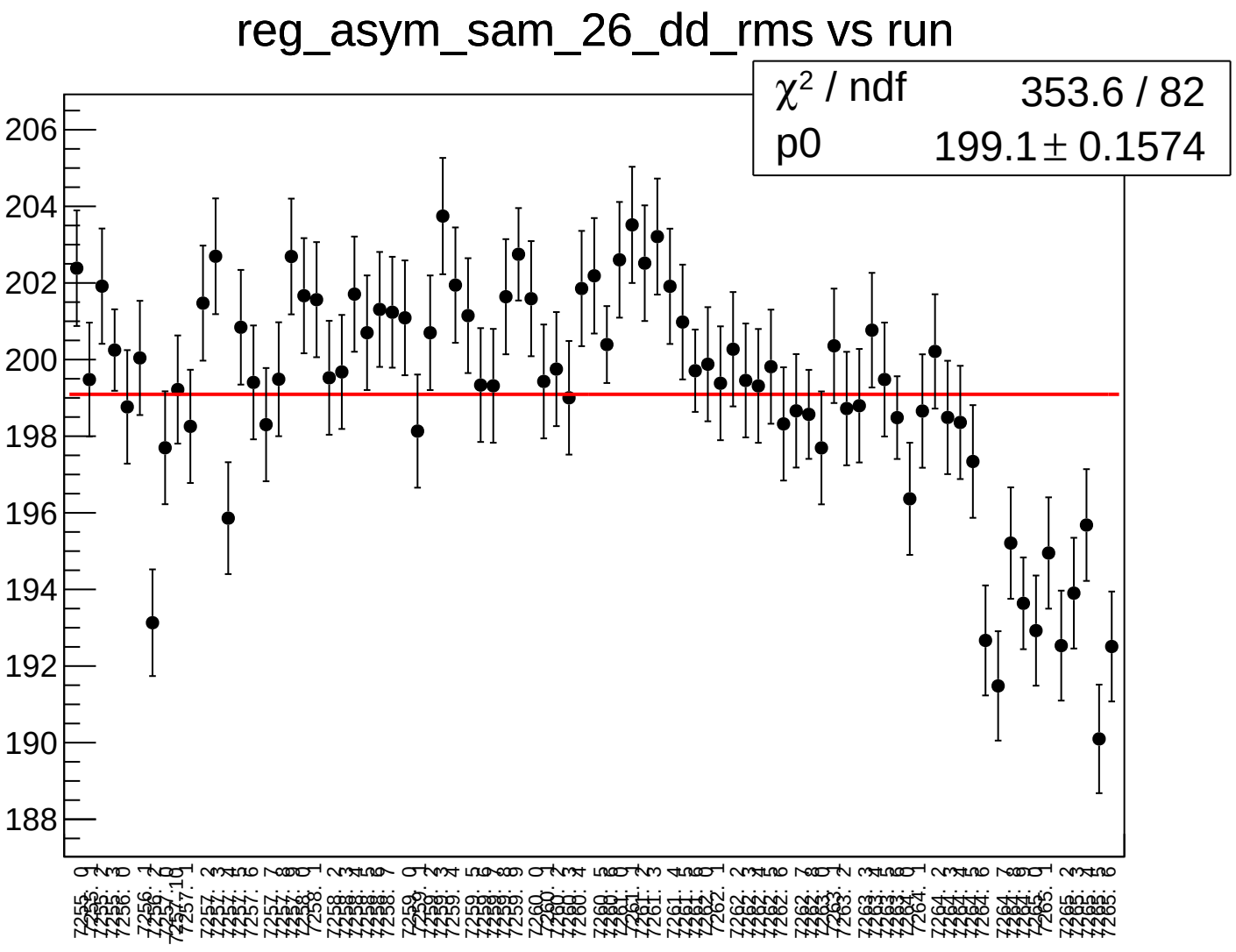

asym_sam_15_dd_mean vs run
χ² / ndf 102.4 / 82
p0 158 ± 785.2
pull
Entries 83
Mean 168.3
Std Dev 113.8

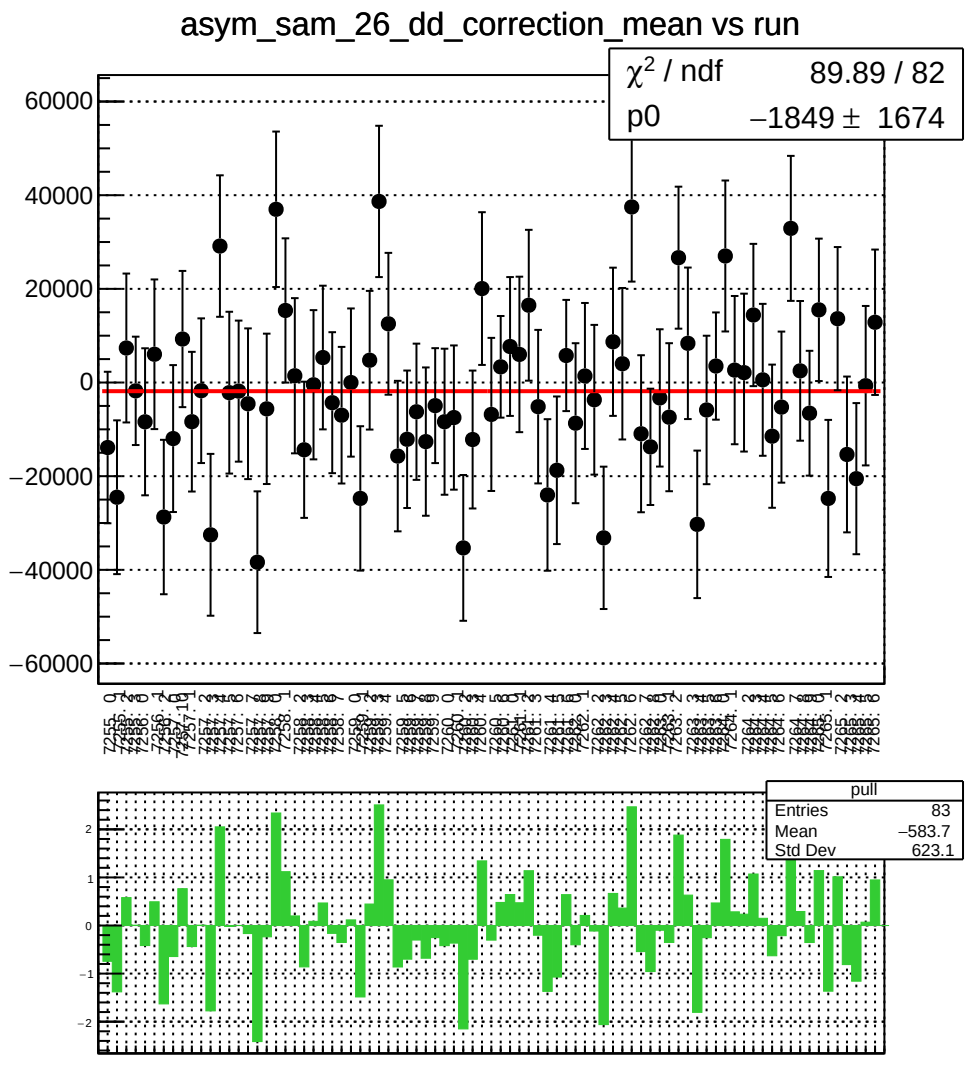

pull1D
Entries 83
Mean −0.006202
Std Dev 1.111

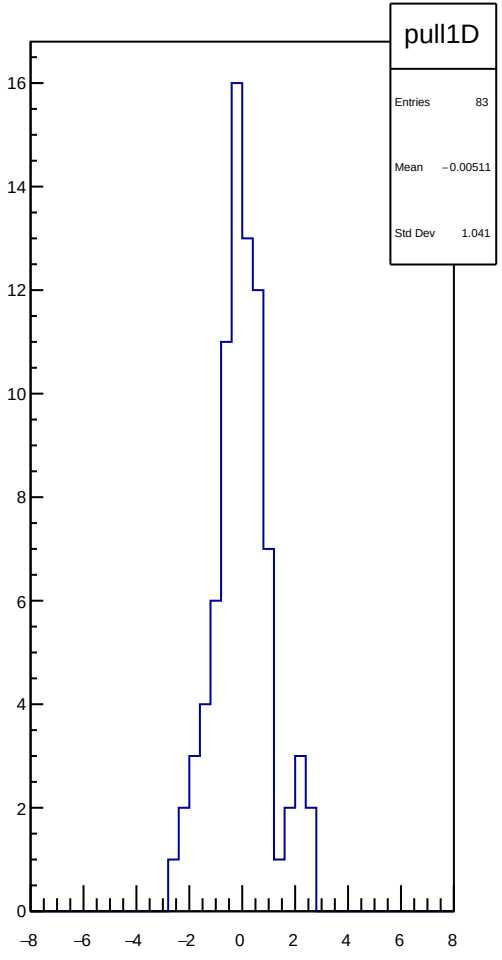

asym_sam_15_dd_rms vs run
χ² / ndf 3081 / 82
p0 701.6 ± 0.5553
780
760
740
720
700
680
660
640

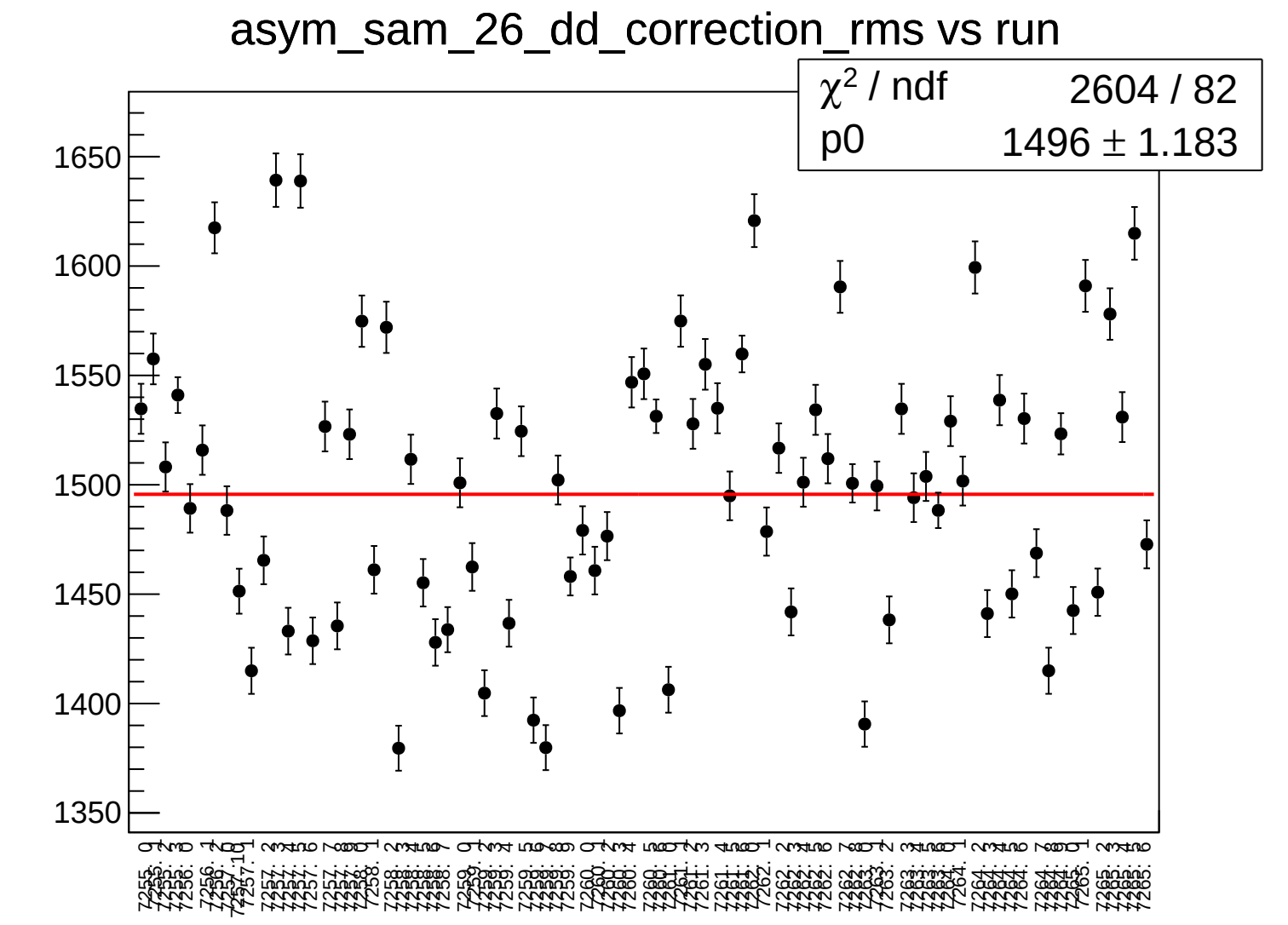

reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 69.13 / 82
p0 40.11 ± 222.6
pull
Entries 83
Mean −85.06
Std Dev 130.8

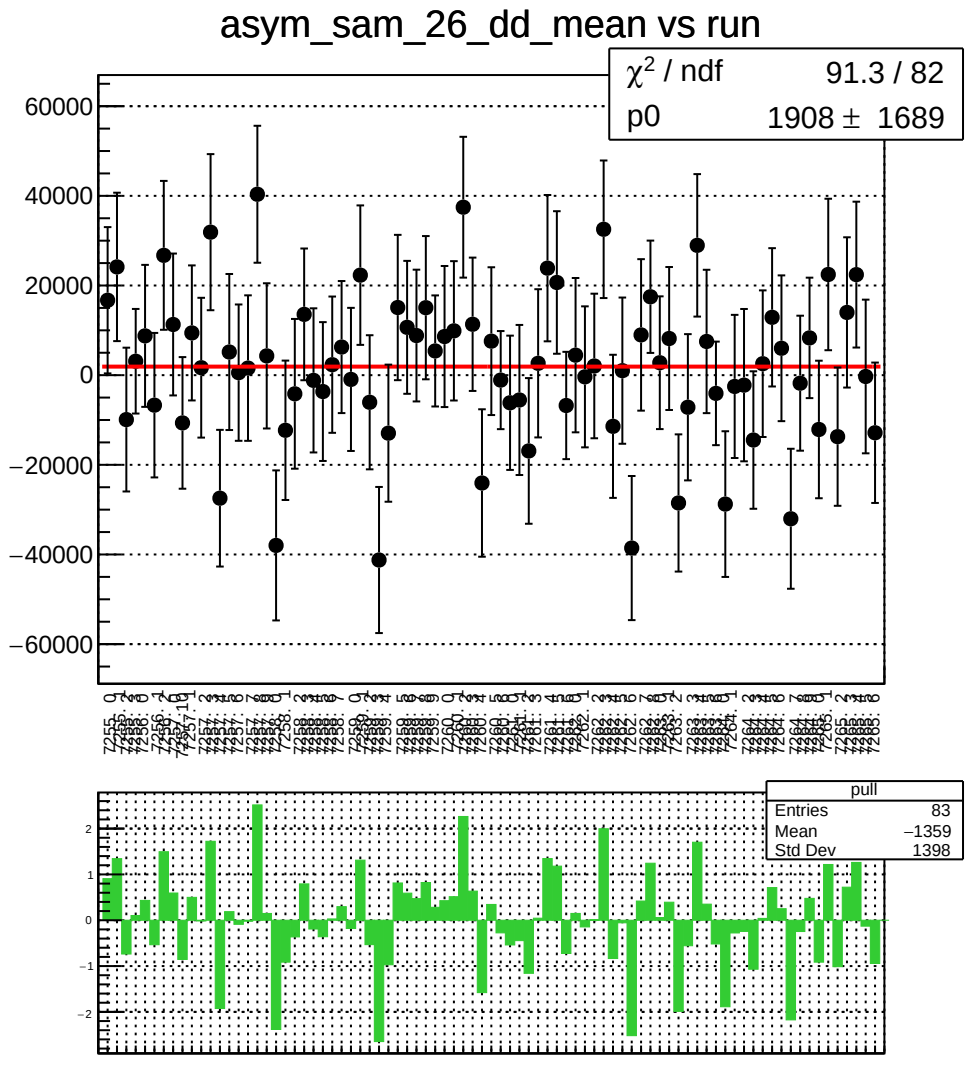

pull1D
Entries 83
Mean −0.01908
Std Dev 0.9124

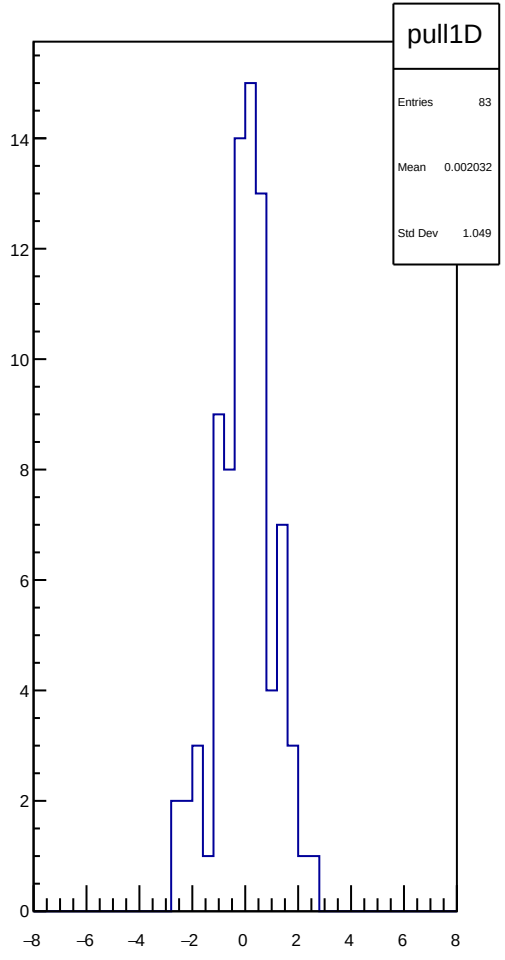

reg_asym_sam_26_dd_rms vs run
χ² / ndf 353.6 / 82
p0 199.1 ± 0.1574
206
204
202
200
198
196
194
192
190
188

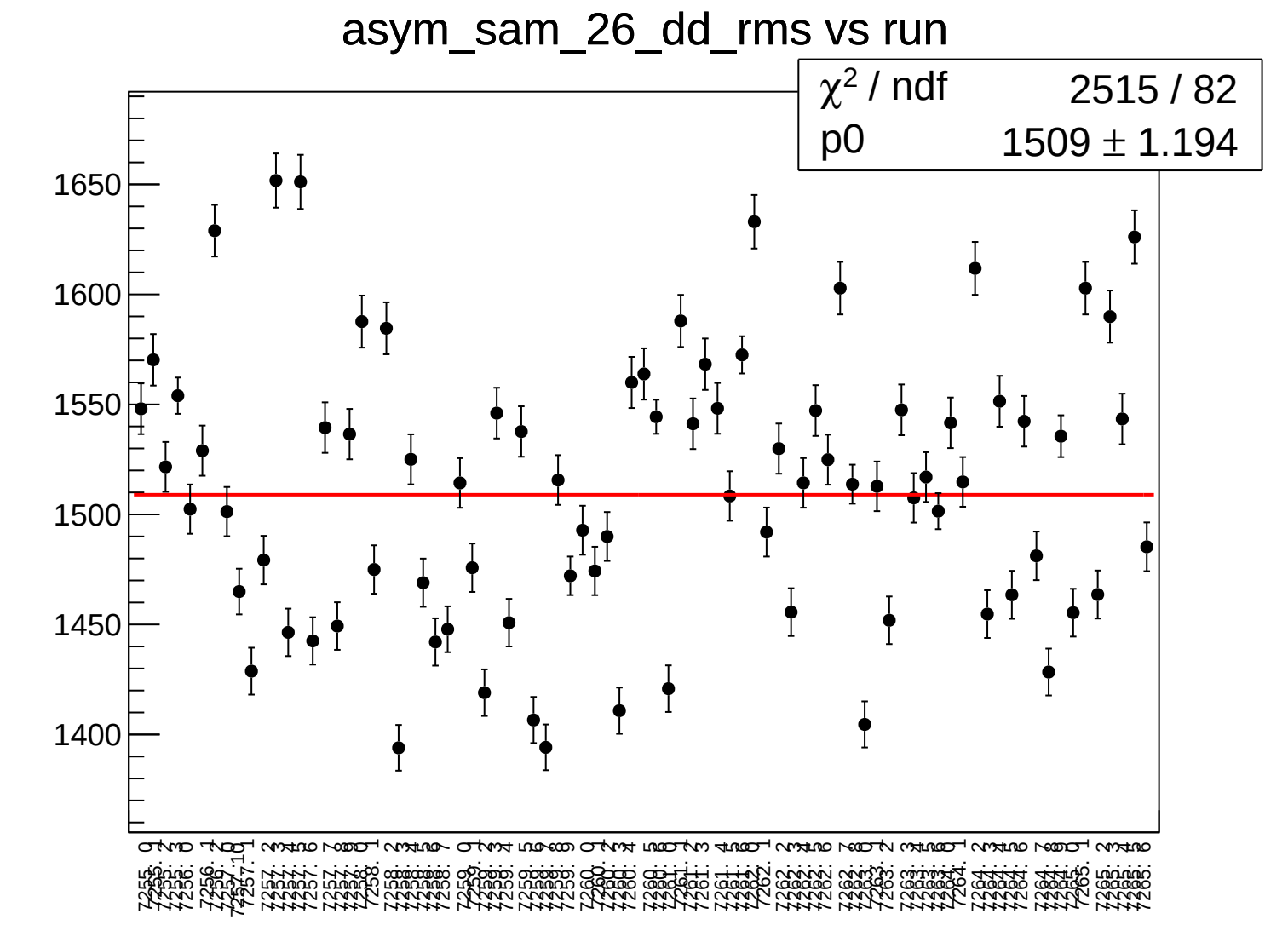

asym_sam_26_dd_correction_mean vs run
χ² / ndf 89.89 / 82
p0 −1849 ± 1674
pull
Entries 83
Mean −583.7
Std Dev 623.1

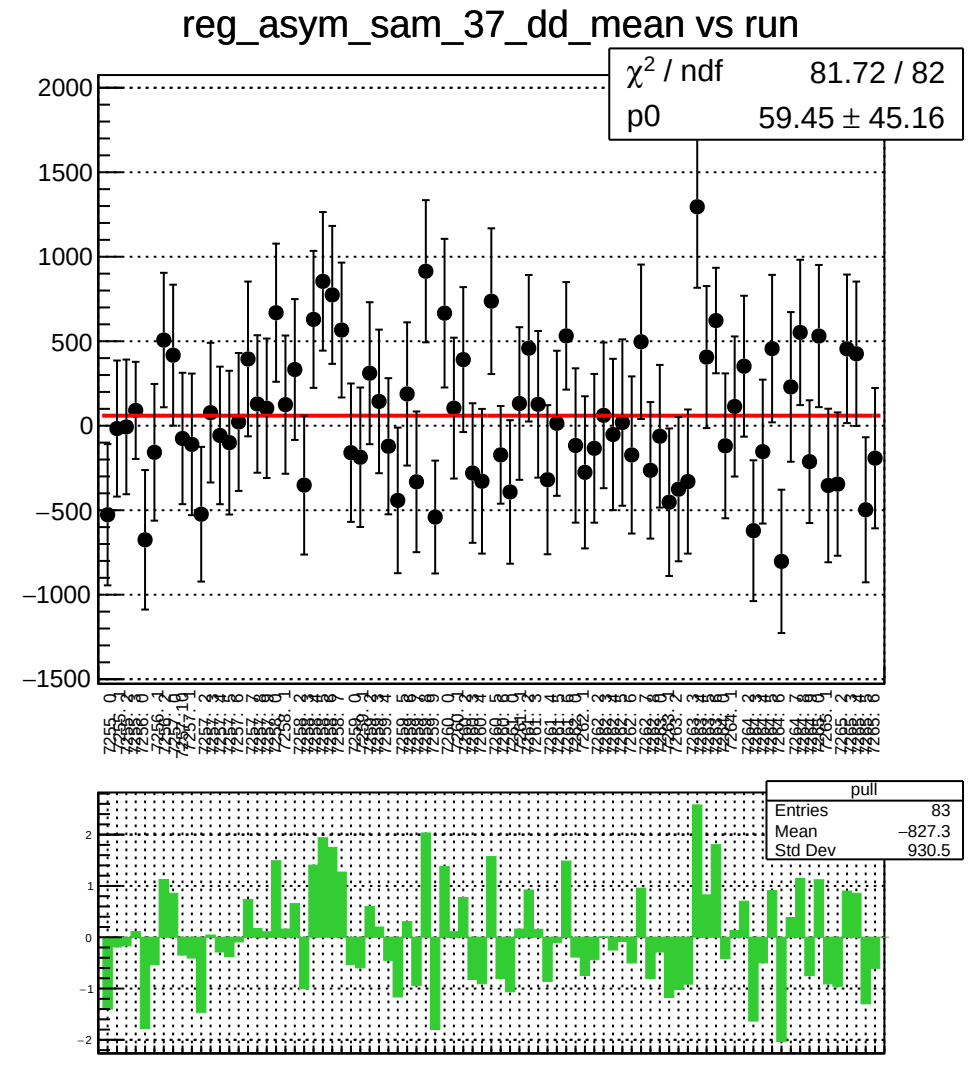

pull1D
Entries 83
Mean −0.00511
Std Dev 1.041

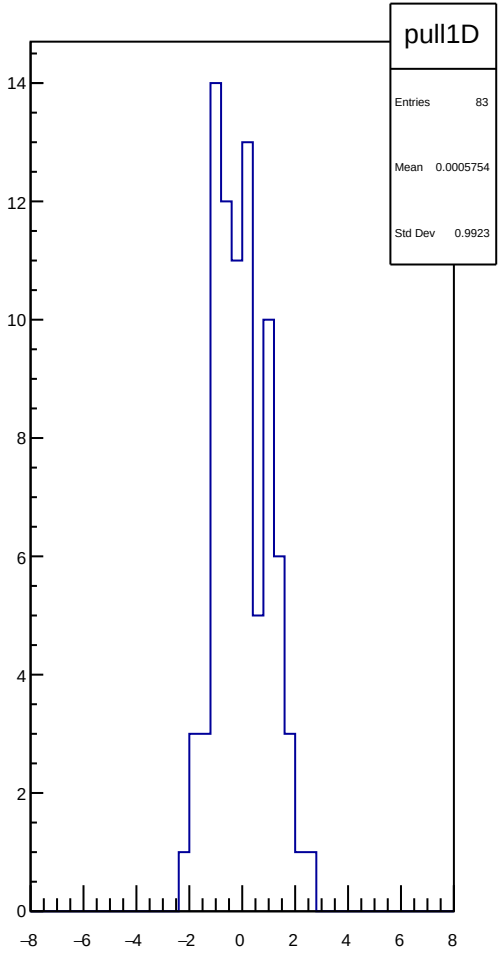

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2604 / 82
p0 1496 ± 1.183
1650
1600
1550
1500
1450
1400
1350

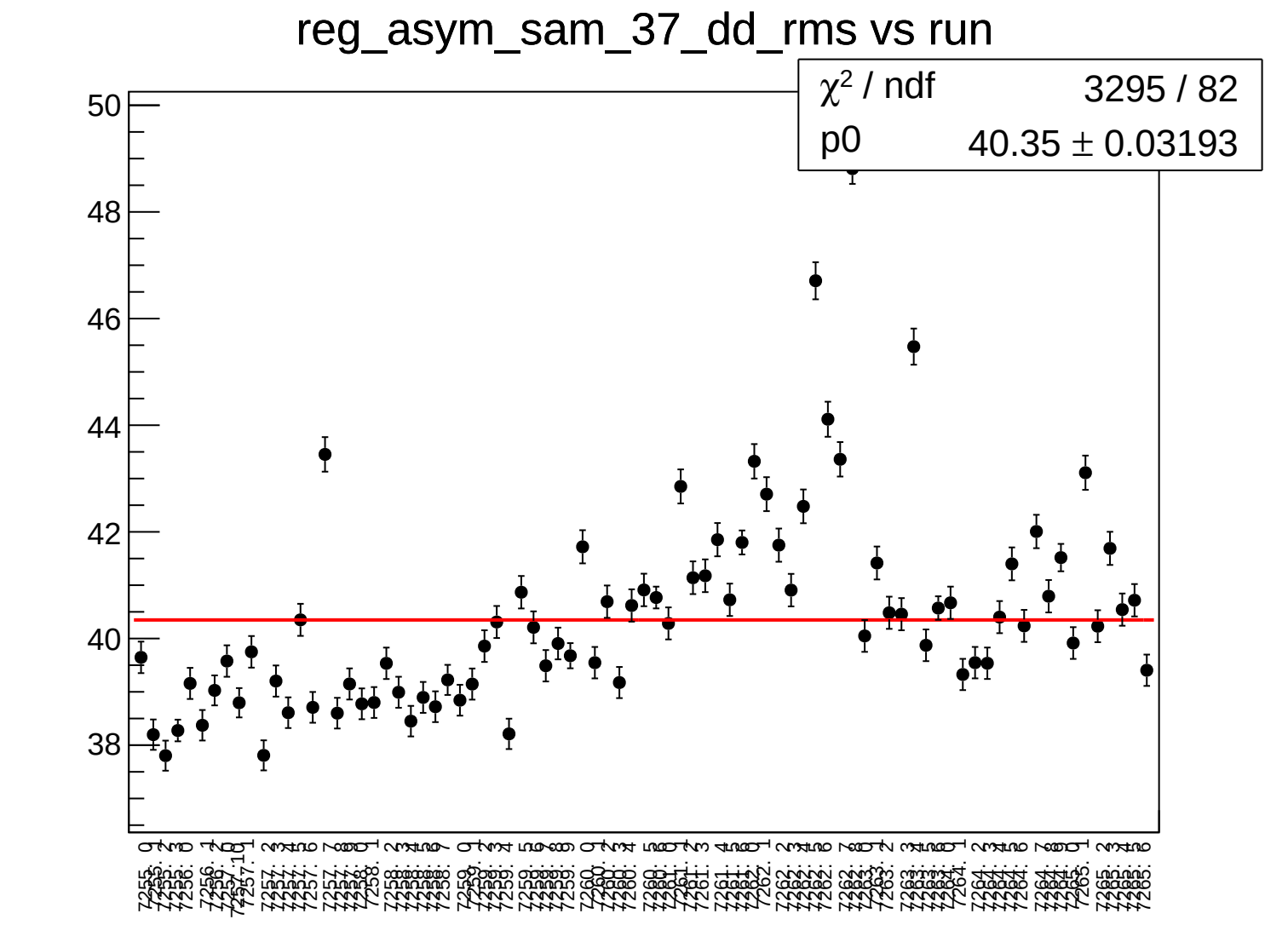

asym_sam_26_dd_mean vs run
χ² / ndf 91.3 / 82
p0 1908 ± 1689
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −1359
Std Dev 1398
2
1
0
−1
−2

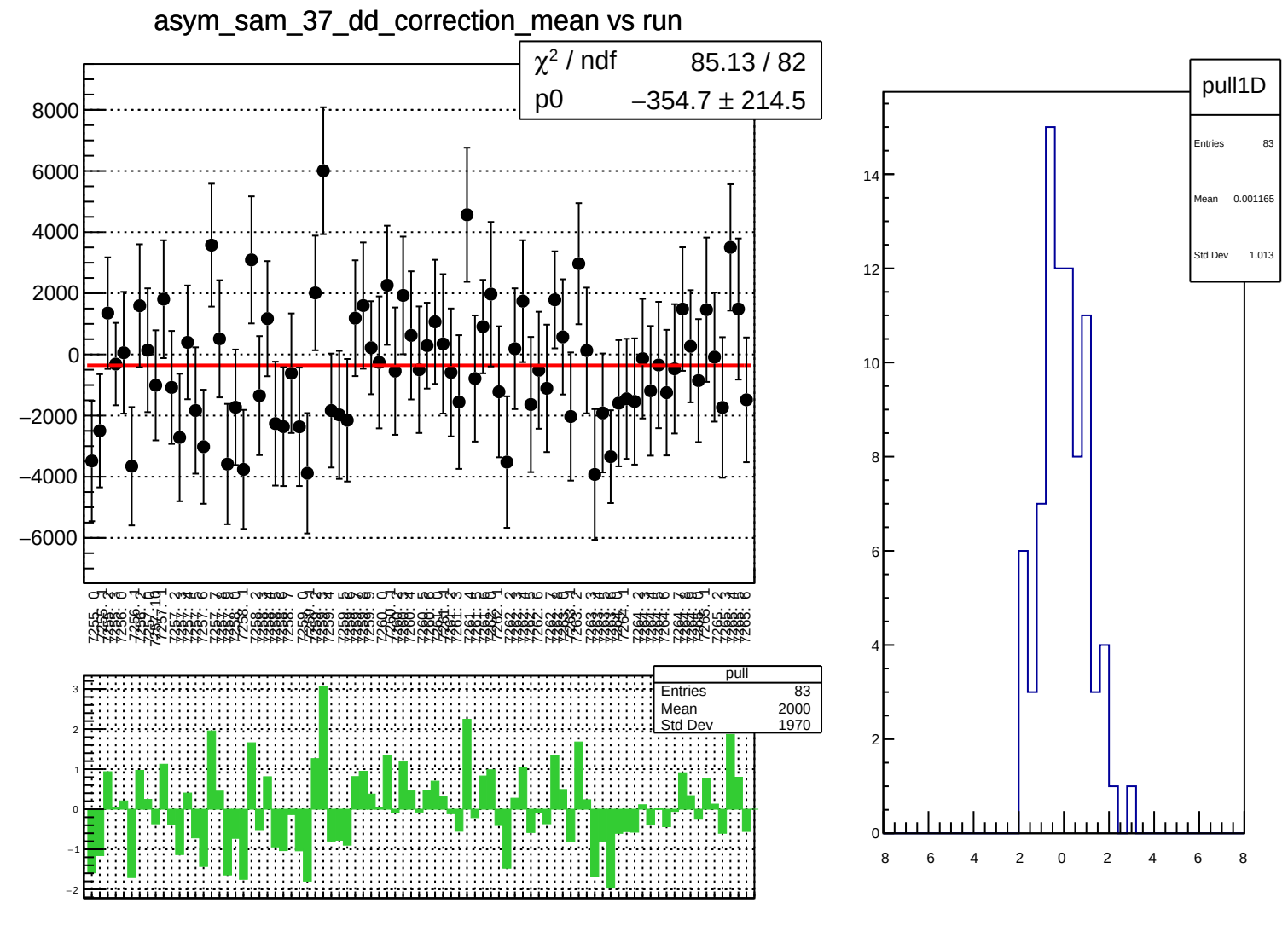

pull1D
Entries 83
Mean 0.002032
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

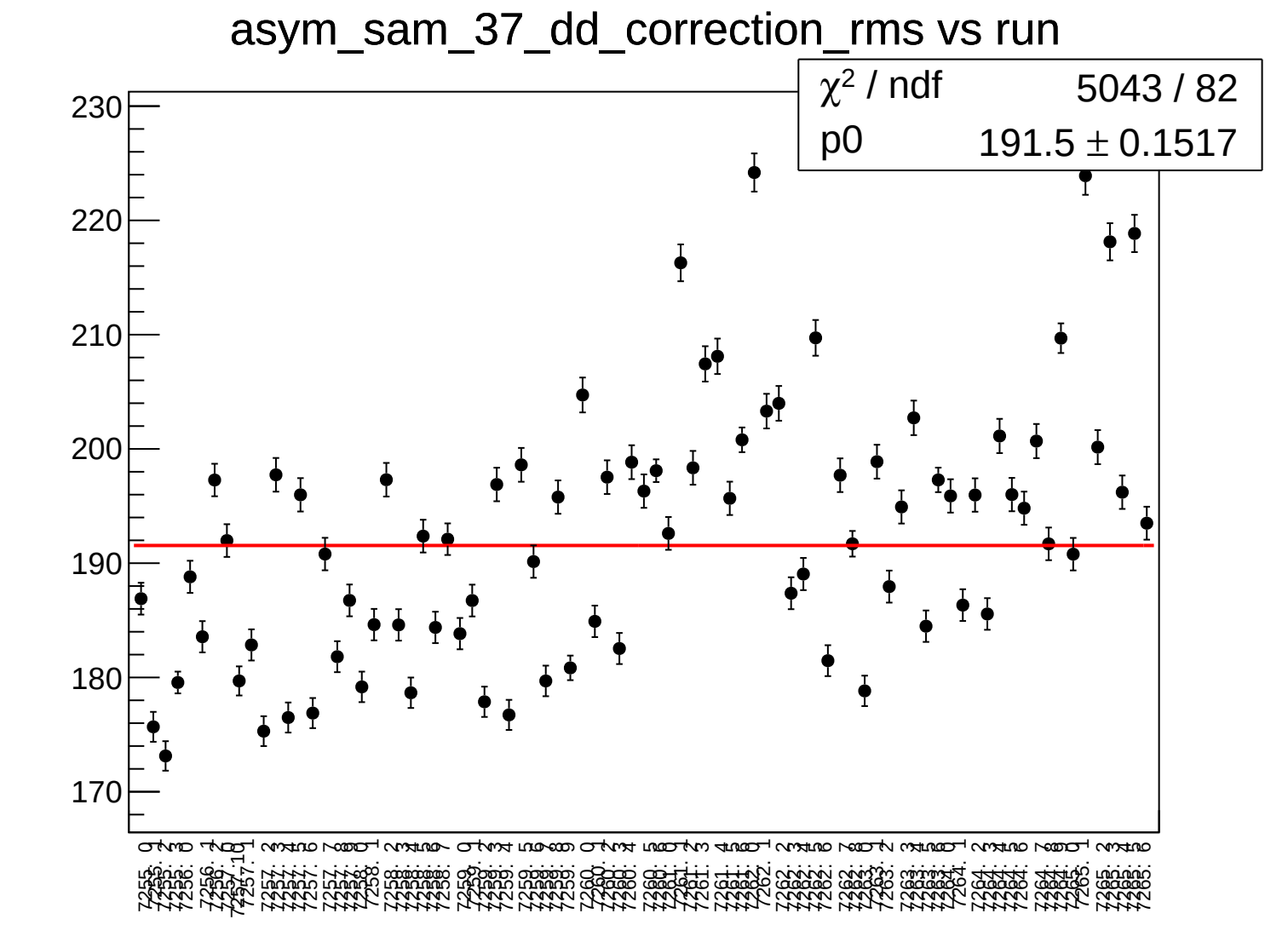

asym_sam_26_dd_rms vs run
χ² / ndf 2515 / 82
p0 1509 ± 1.194
1650
1600
1550
1500
1450
1400

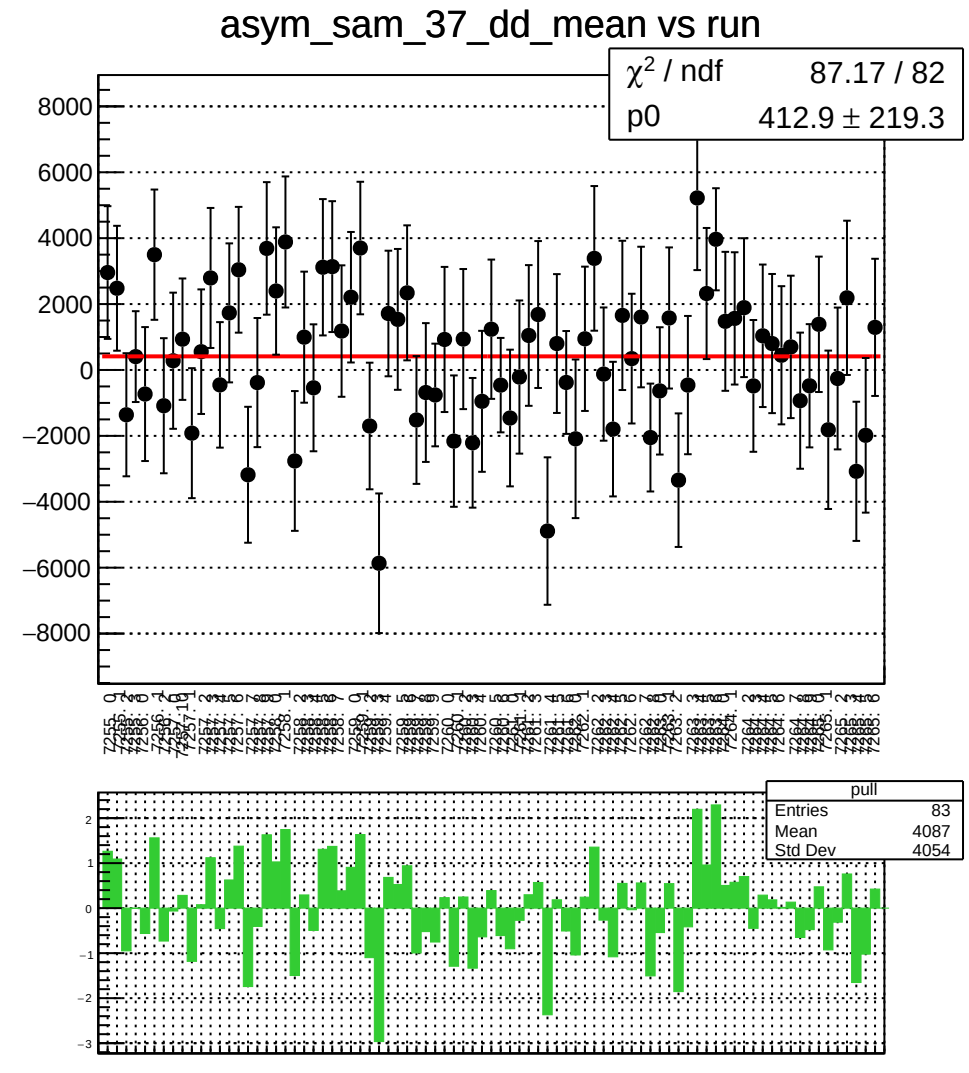

reg_asym_sam_37_dd_mean vs run
χ^2 / ndf 81.72 / 82
p0 59.45 ± 45.16
pull
Entries 83
Mean −827.3
Std Dev 930.5

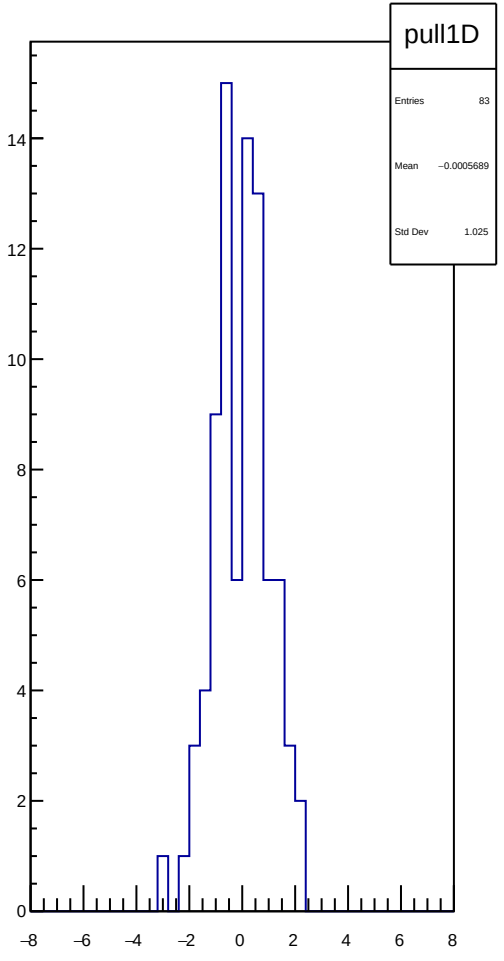

pull1D
Entries 83
Mean 0.0005754
Std Dev 0.9923

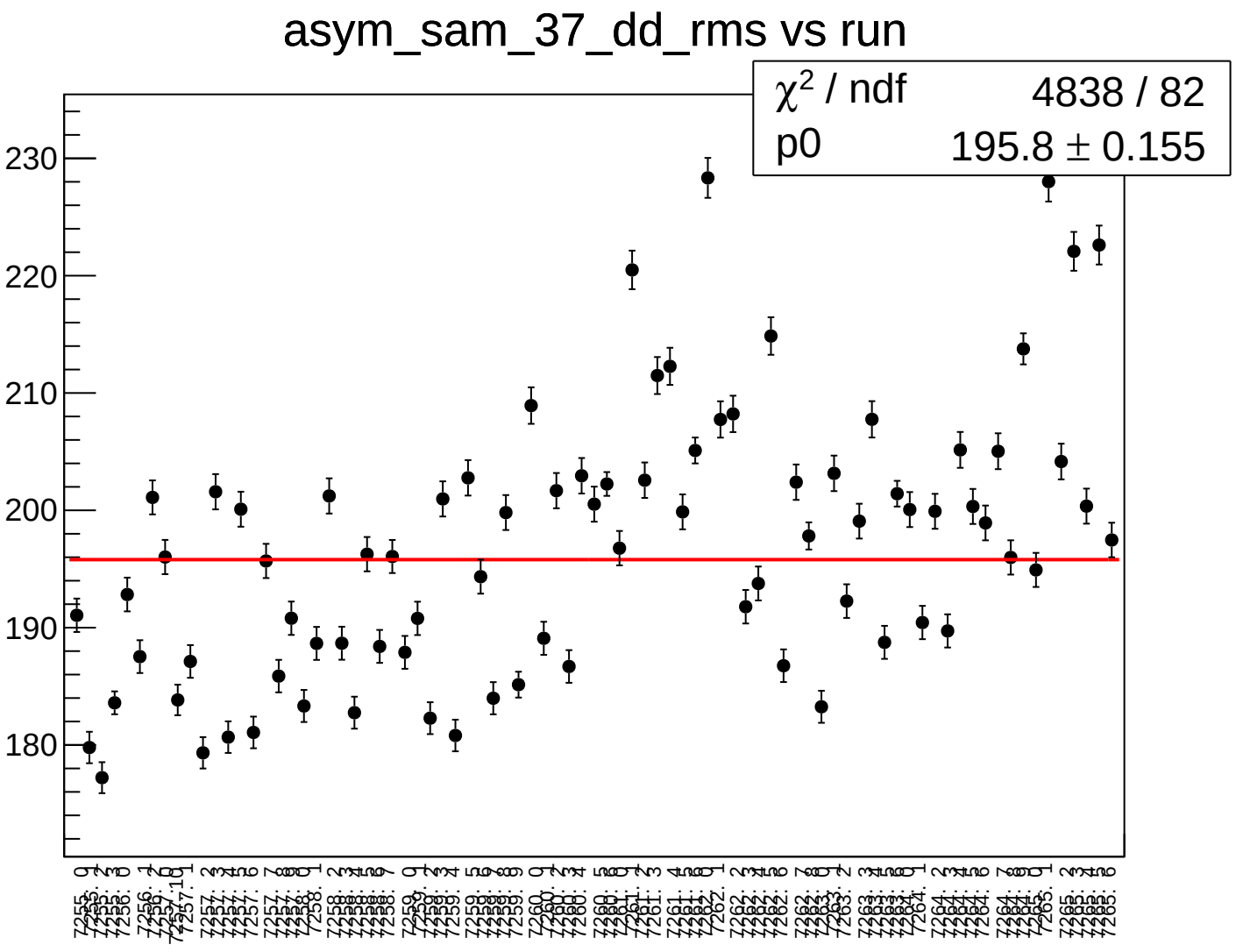

reg_asym_sam_37_dd_rms vs run
χ² / ndf 3295 / 82
p0 40.35 ± 0.03193
50
48
46
44
42
40
38

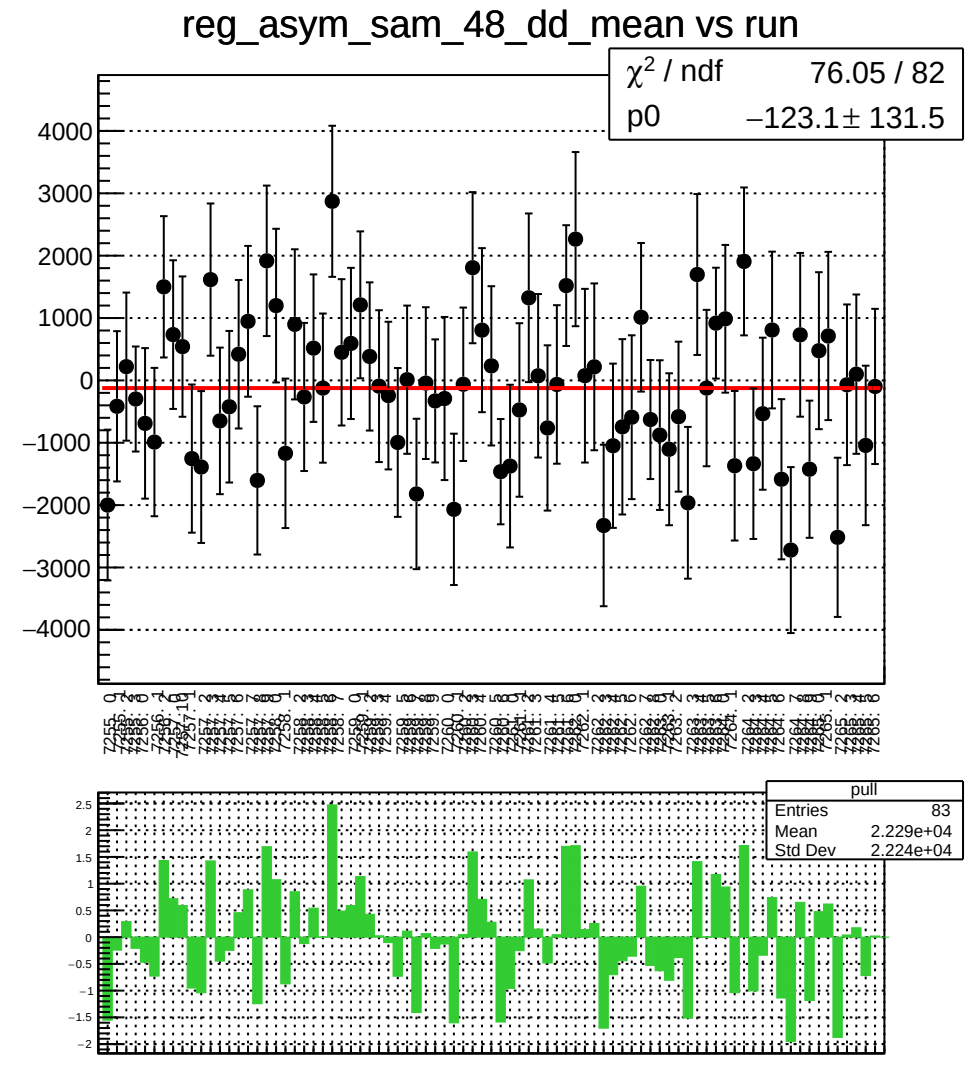

asym_sam_37_dd_correction_mean vs run
χ² / ndf 85.13 / 82
p0 −354.7 ± 214.5
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 2000
Std Dev 1970
pull1D
Entries 83
Mean 0.001165
Std Dev 1.013

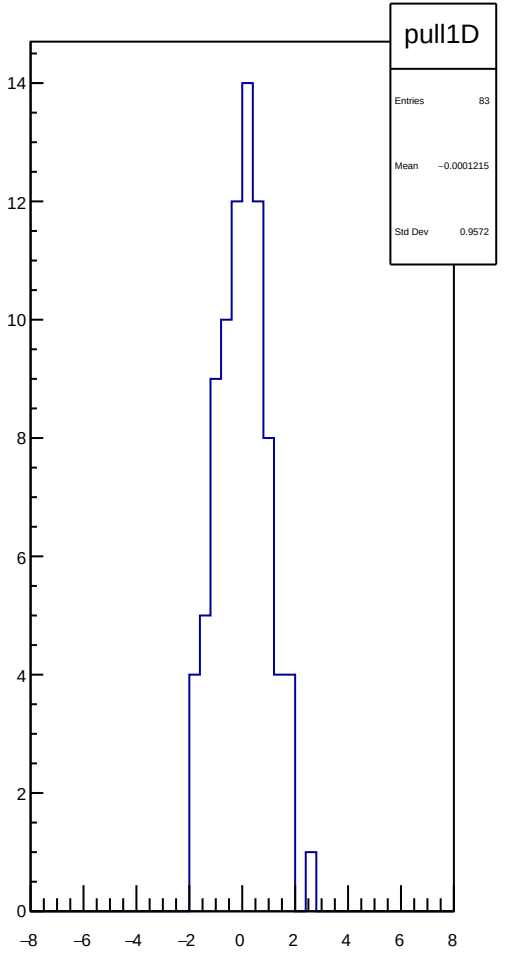

asym_sam_37_dd_correction_rms vs run
χ² / ndf 5043 / 82
p0 191.5 ± 0.1517
230
220
210
200
190
180
170

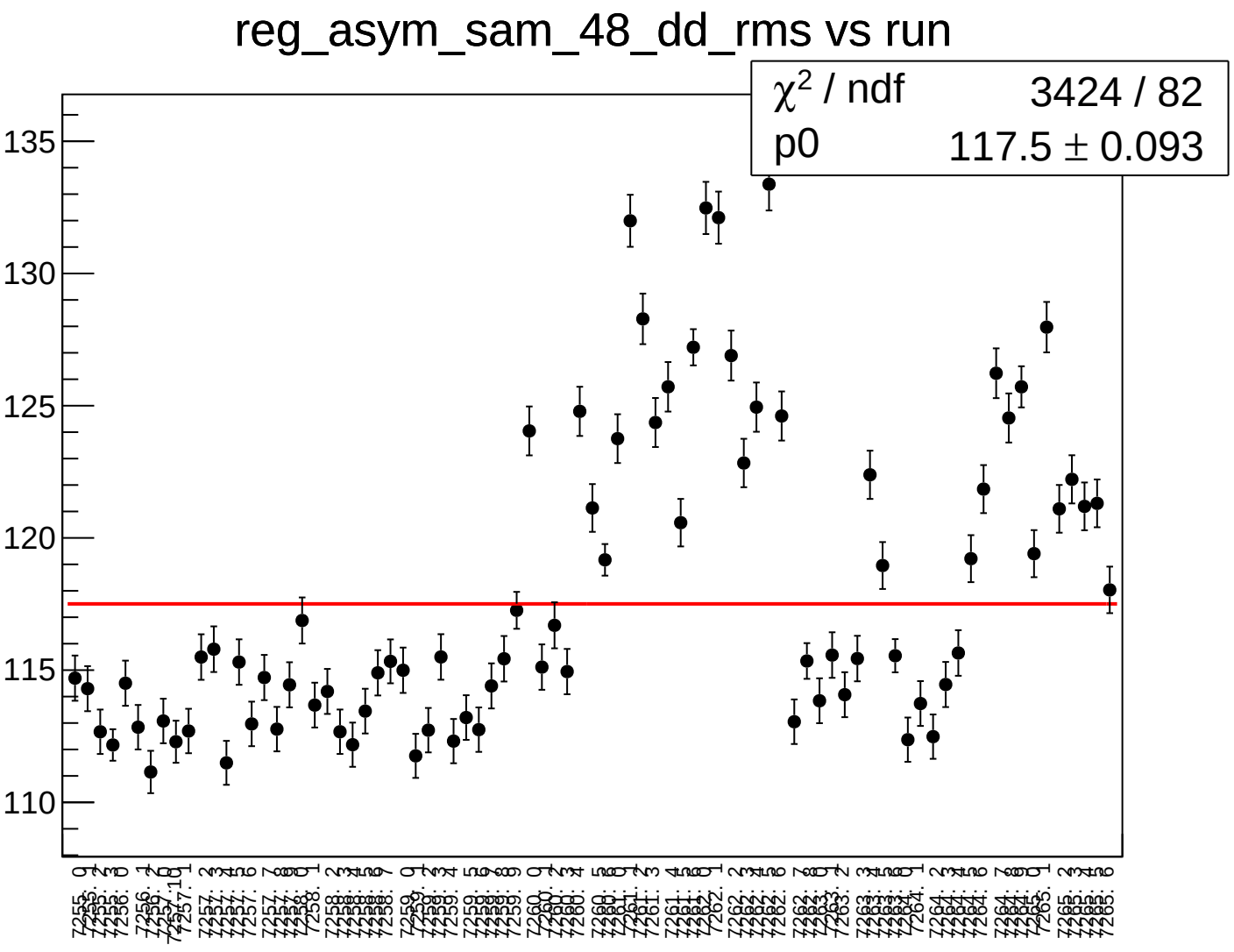

asym_sam_37_dd_mean vs run
χ² / ndf 87.17 / 82
p0 412.9 ± 219.3
pull
Entries 83
Mean 4087
Std Dev 4054

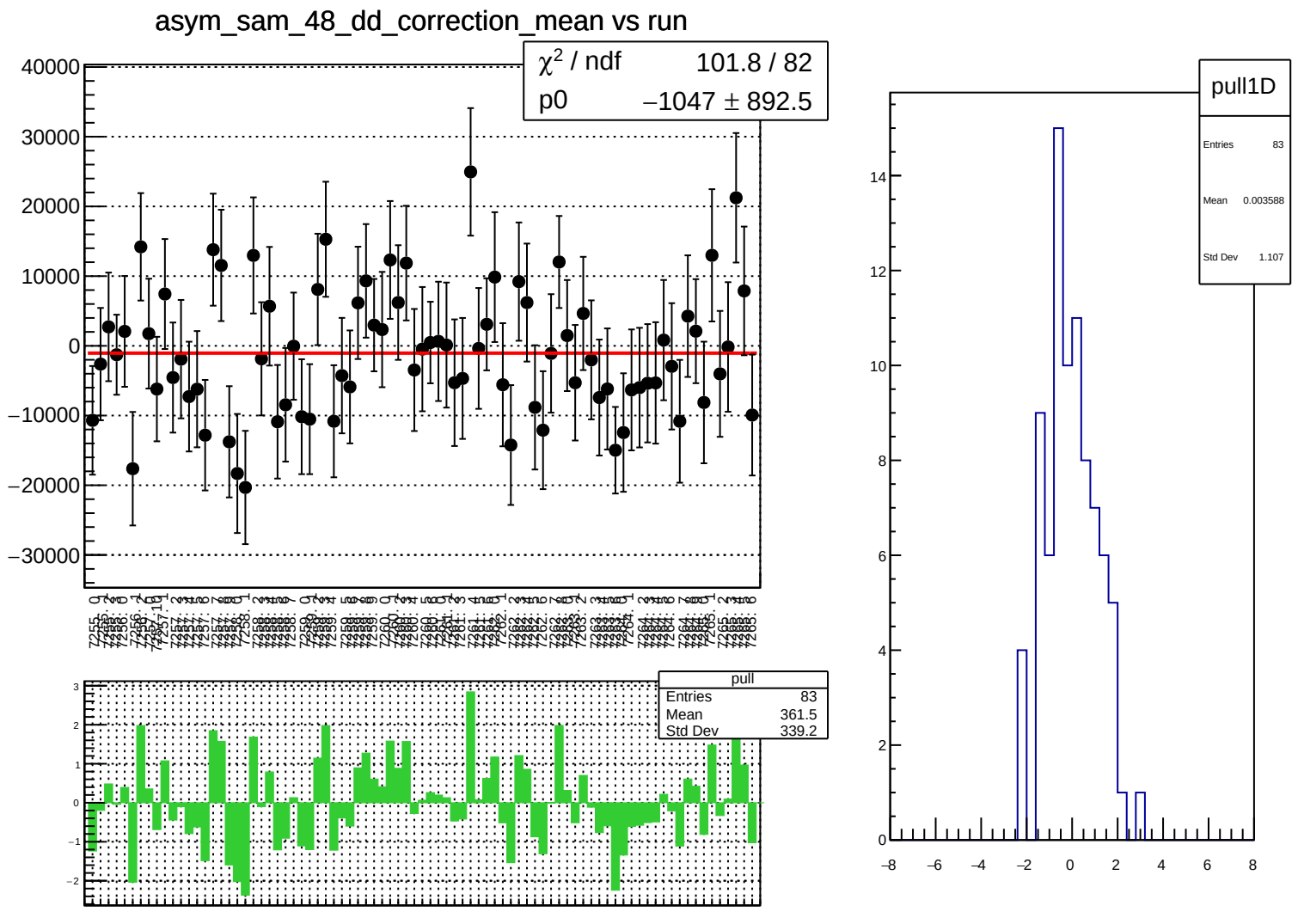

pull1D
Entries 83
Mean −0.0005689
Std Dev 1.025

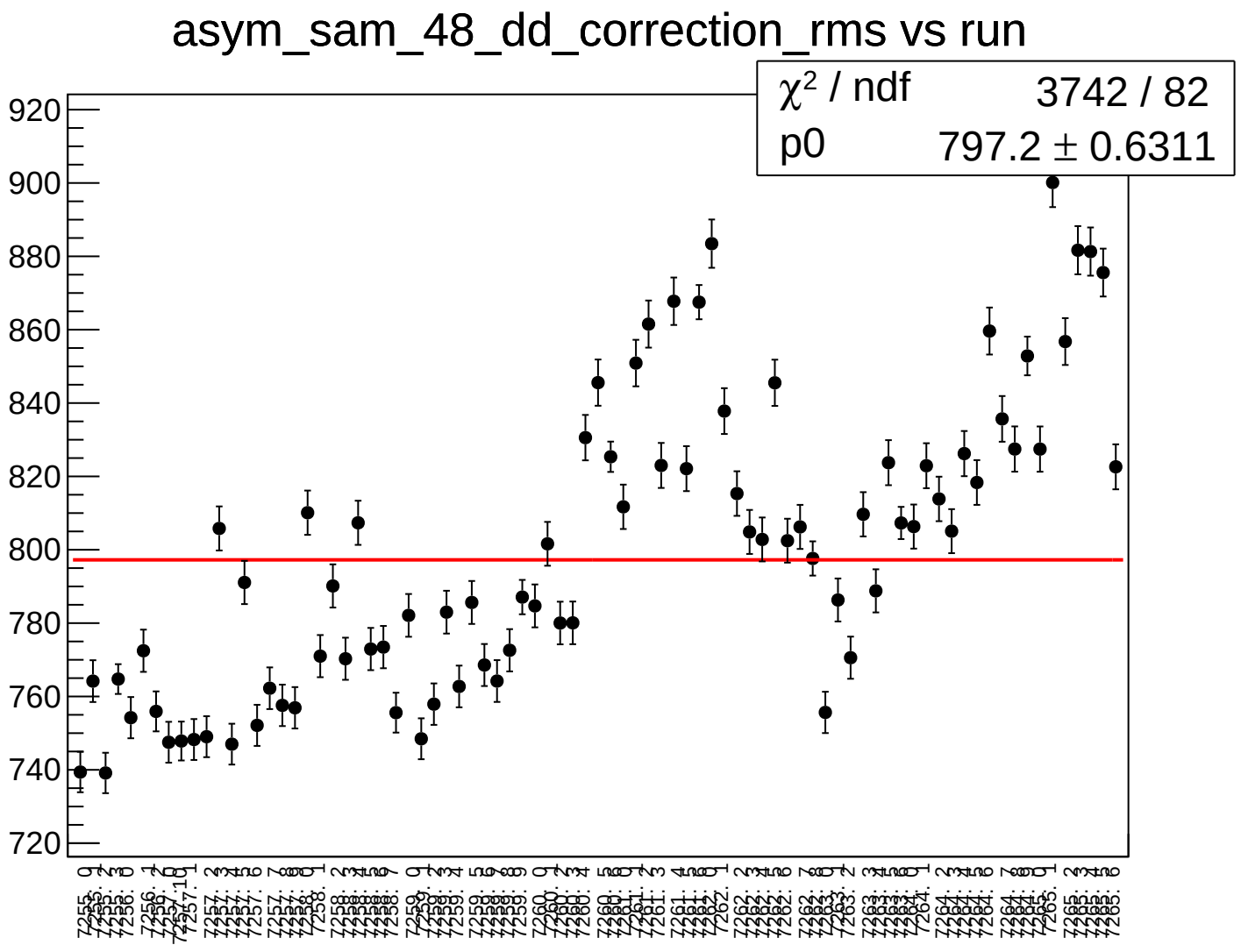

asym_sam_37_dd_rms vs run
χ^2 / ndf 4838 / 82
p0 195.8 ± 0.155
230
220
210
200
190
180

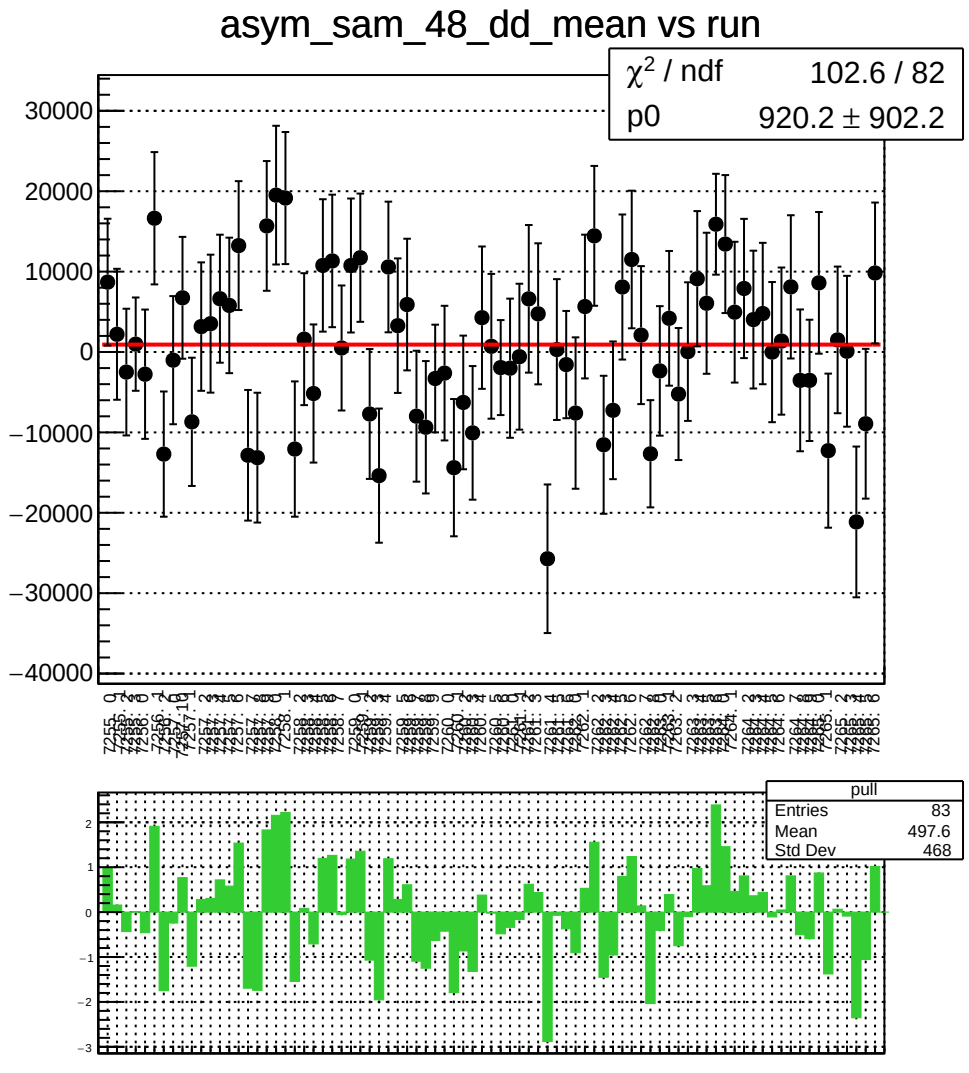

reg_asym_sam_48_dd_mean vs run
χ² / ndf 76.05 / 82
p0 −123.1± 131.5
pull
Entries 83
Mean 2.229e+04
Std Dev 2.224e+04

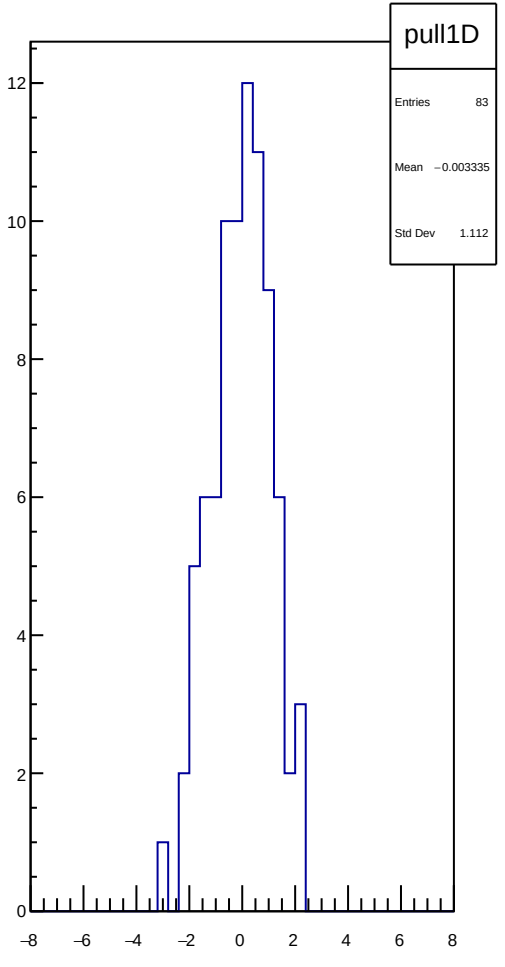

pull1D
Entries 83
Mean −0.0001215
Std Dev 0.9572

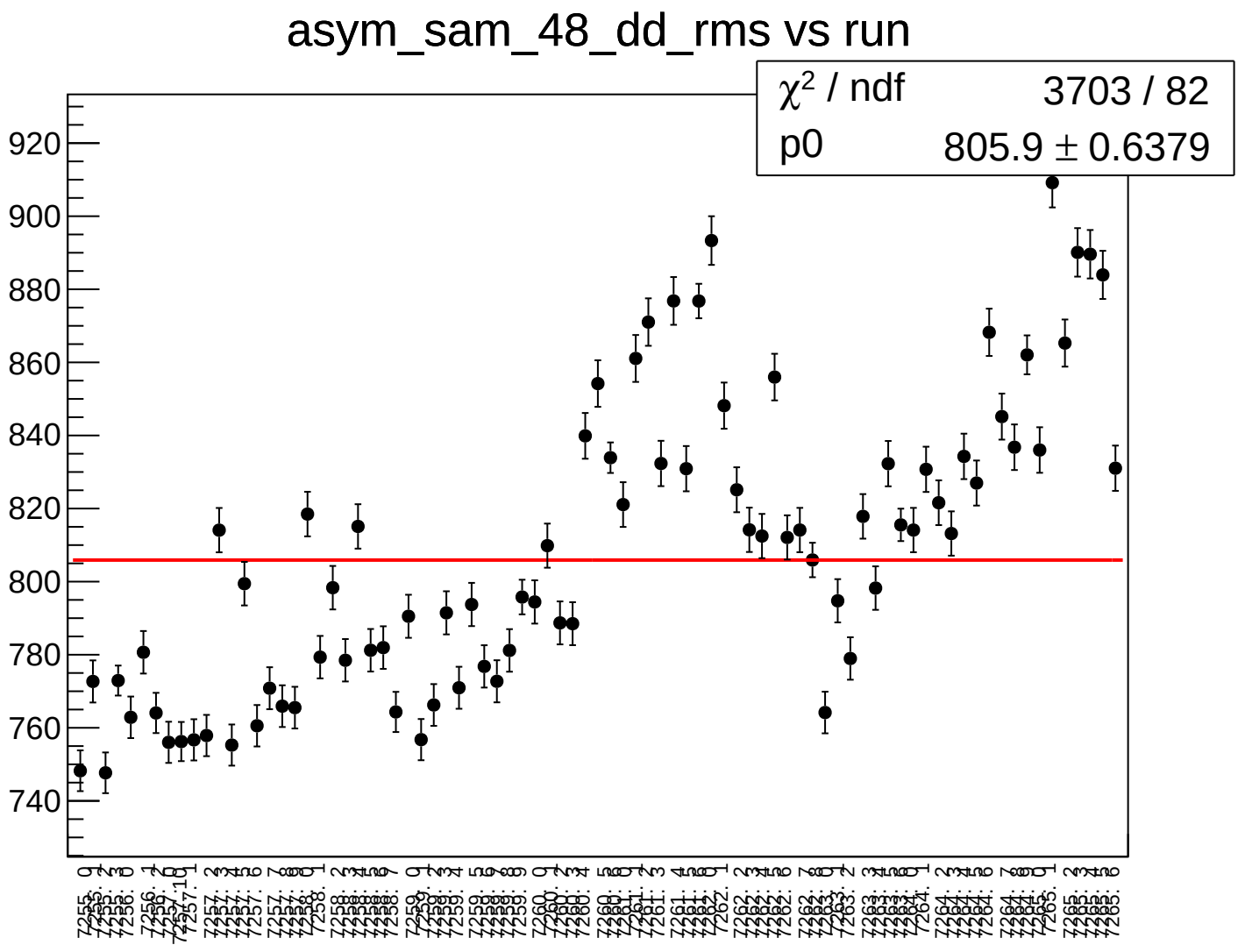

reg_asym_sam_48_dd_rms vs run
χ² / ndf 3424 / 82
p0 117.5 ± 0.093
135
130
125
120
115
110

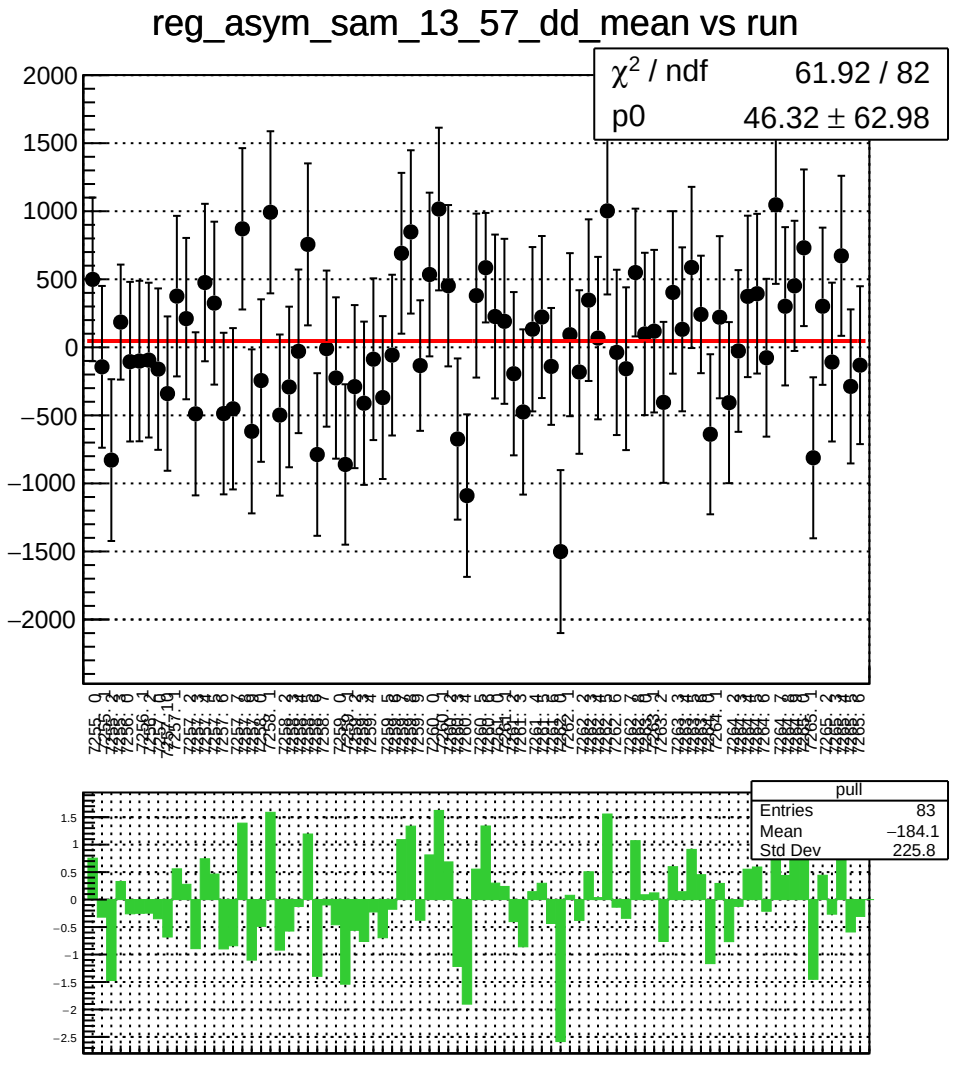

asym_sam_48_dd_correction_mean vs run
χ² / ndf 101.8 / 82
p0 −1047 ± 892.5
pull
Entries 83
Mean 361.5
Std Dev 339.2
pull1D
Entries 83
Mean 0.003588
Std Dev 1.107

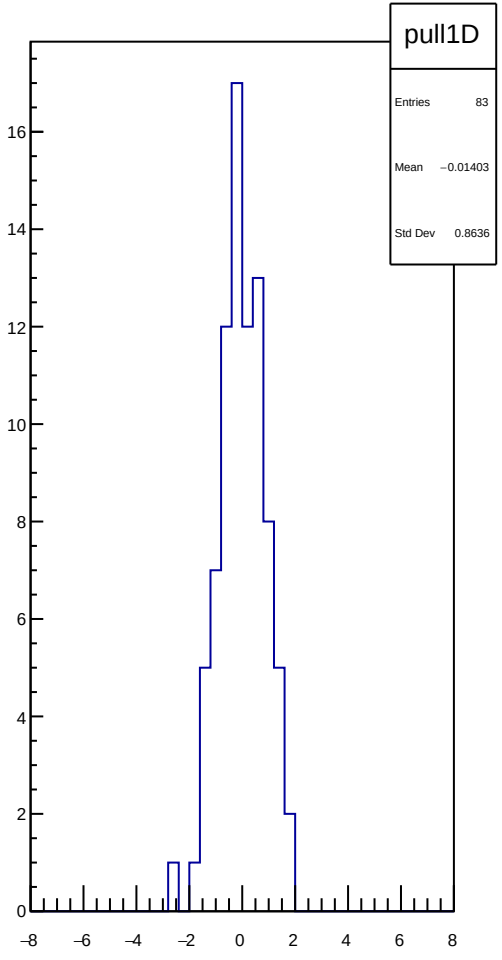

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3742 / 82
p0 797.2 ± 0.6311
920
900
880
860
840
820
800
780
760
740
720

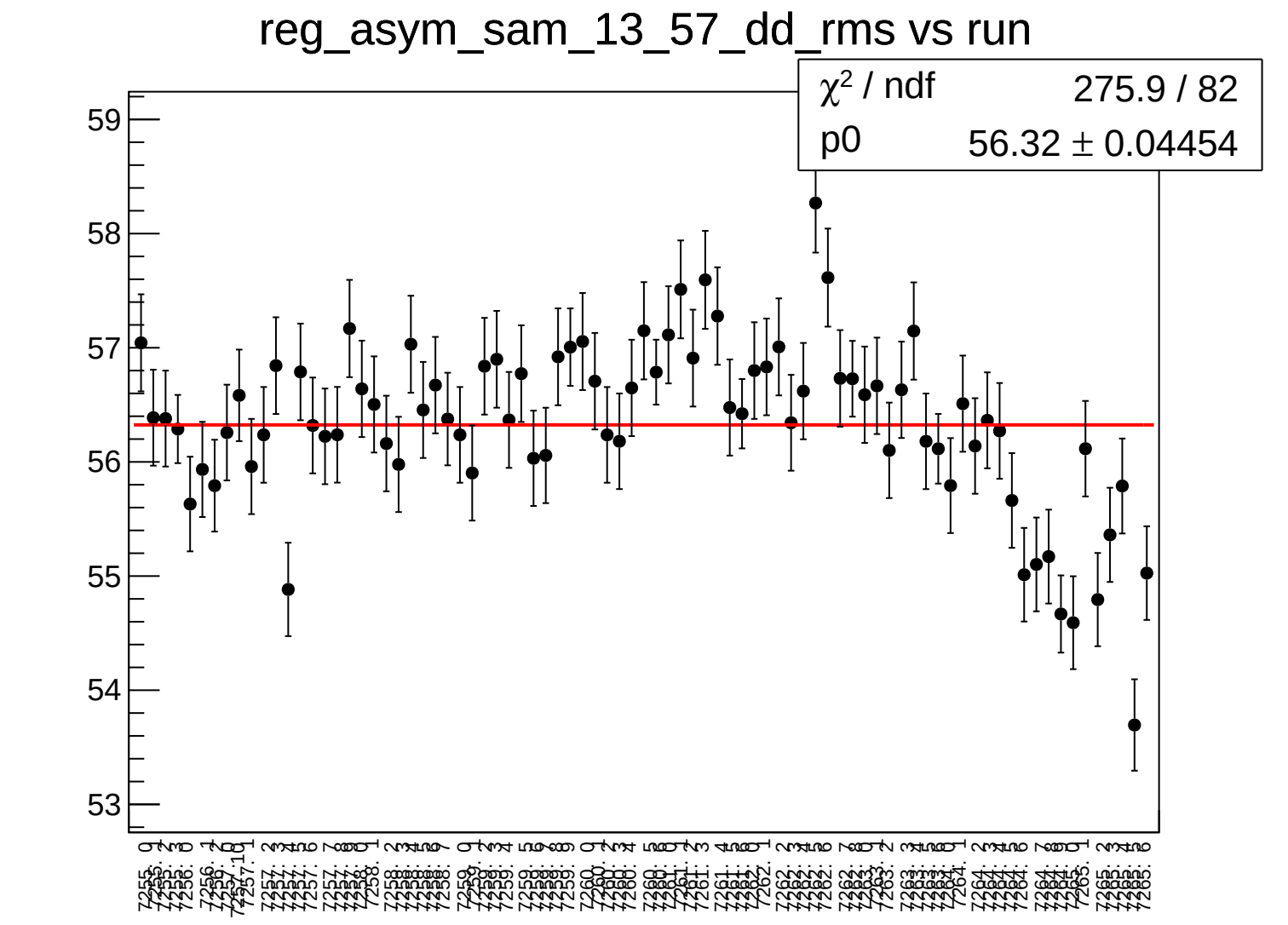

asym_sam_48_dd_mean vs run
χ² / ndf 102.6 / 82
p0 920.2 ± 902.2
pull
Entries 83
Mean 497.6
Std Dev 468

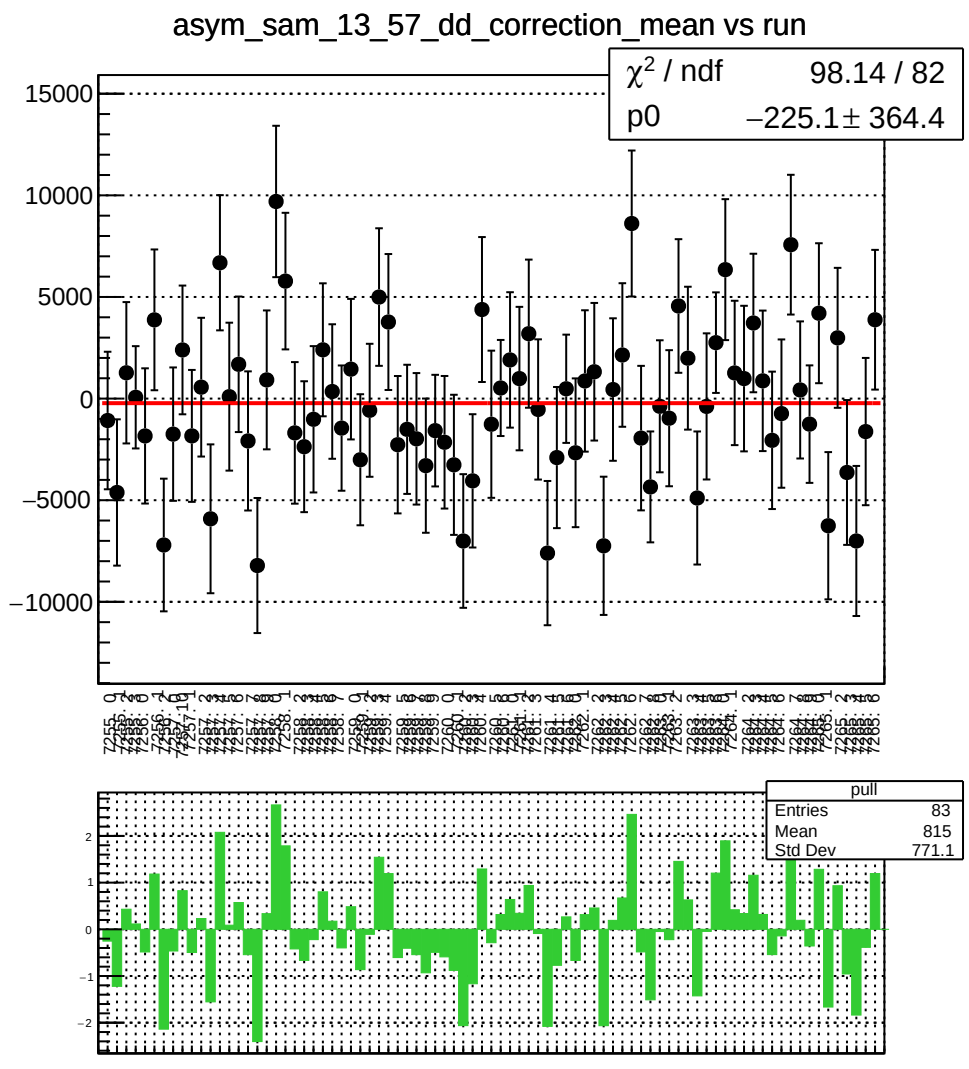

pull1D
Entries 83
Mean −0.003335
Std Dev 1.112

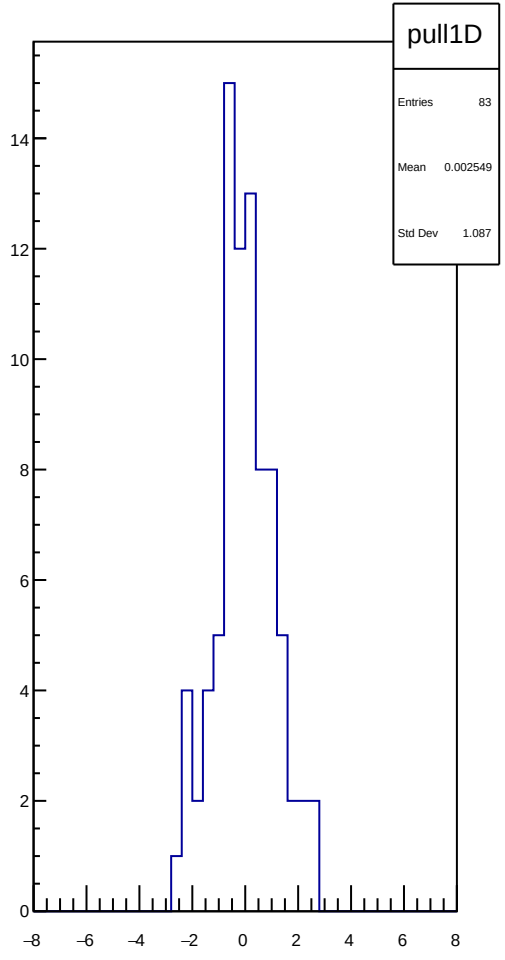

asym_sam_48_dd_rms vs run
χ² / ndf 3703 / 82
p0 805.9 ± 0.6379
920
900
880
860
840
820
800
780
760
740

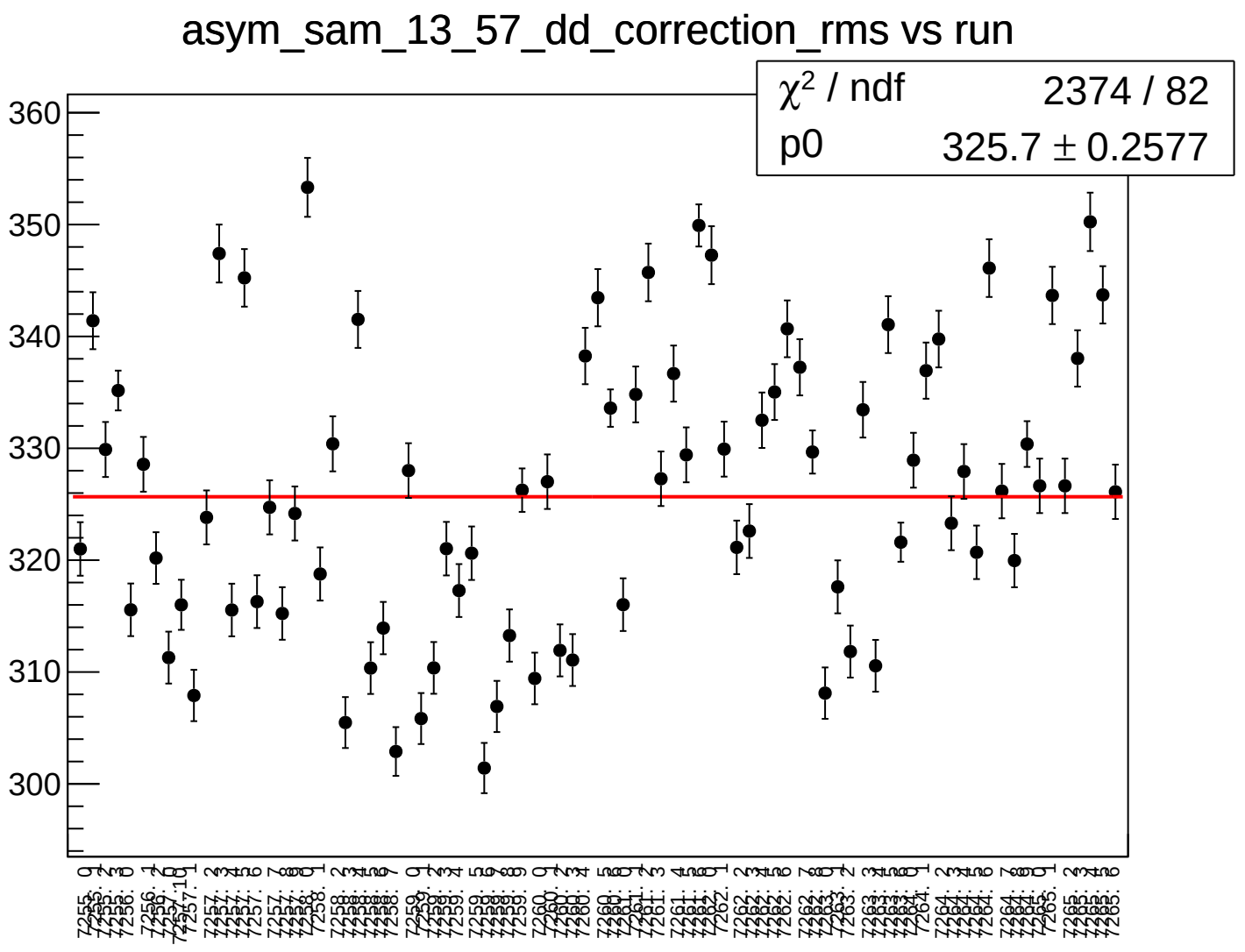

reg_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 61.92 / 82
p0 46.32 ± 62.98
pull
Entries 83
Mean −184.1
Std Dev 225.8

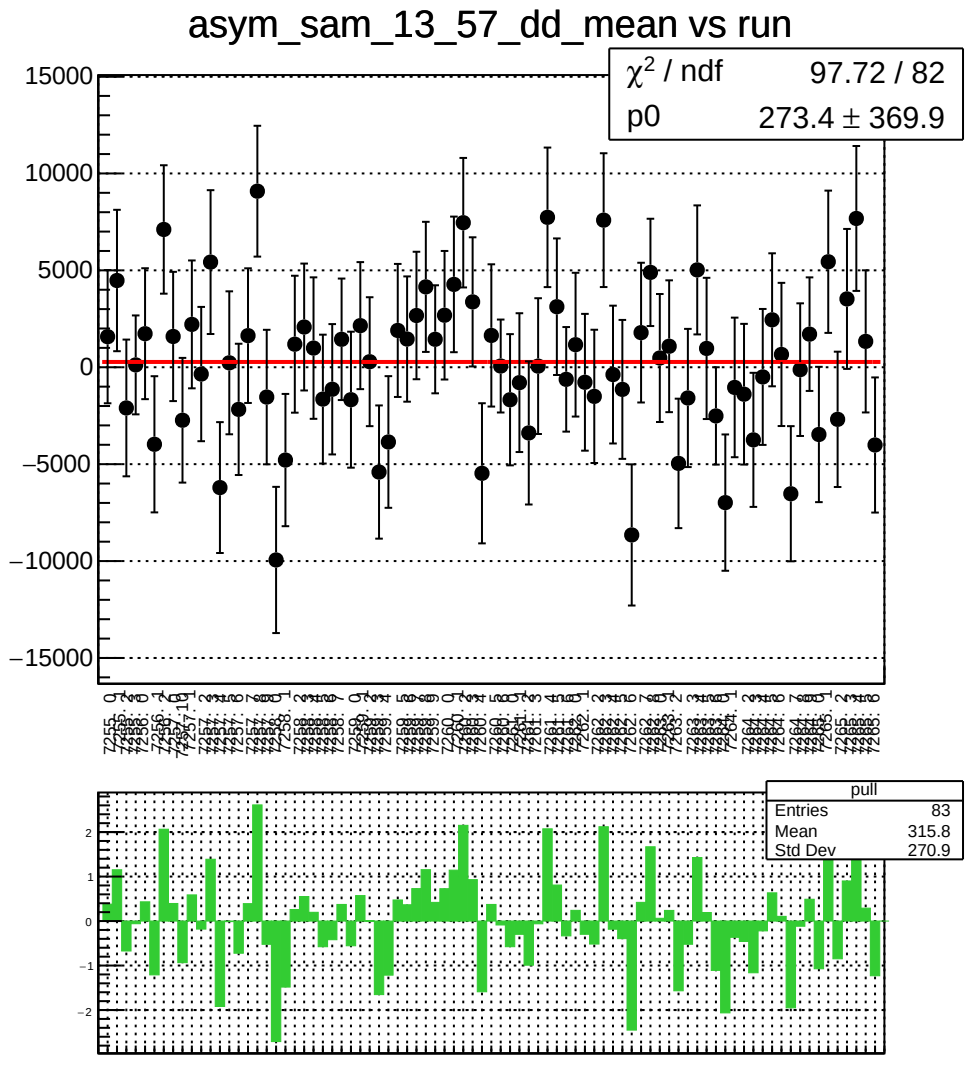

pull1D
Entries 83
Mean −0.01403
Std Dev 0.8636

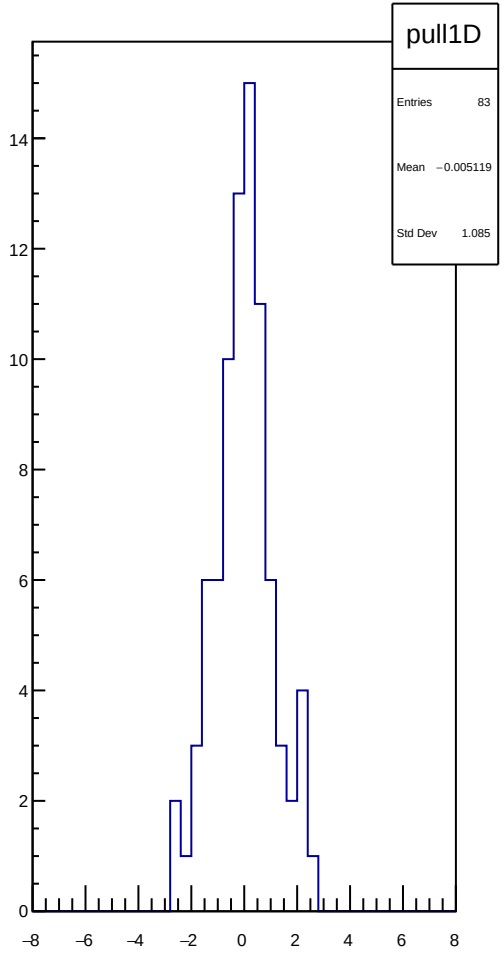

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 275.9 / 82
p0 56.32 ± 0.04454
59
58
57
56
55
54
53

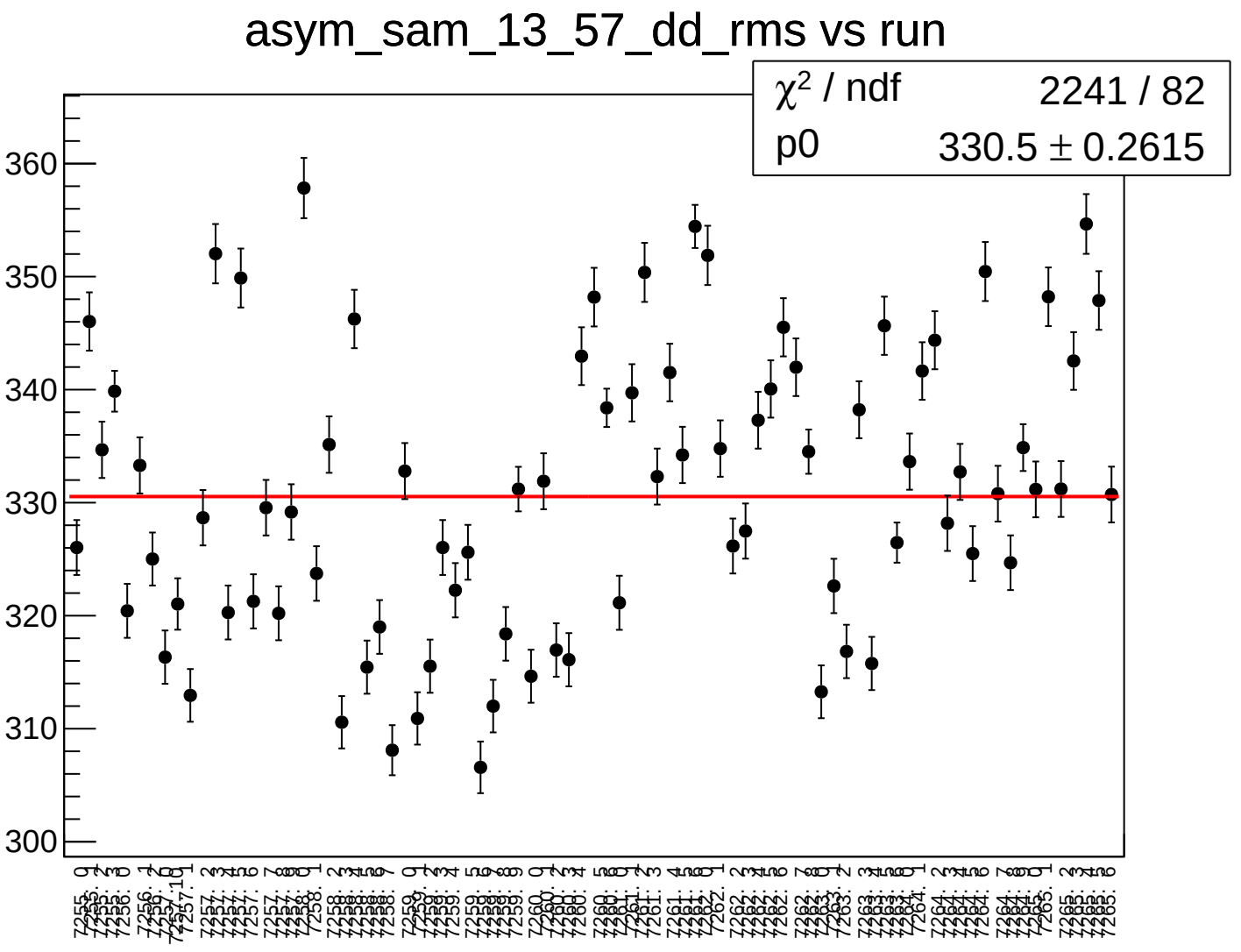

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 98.14 / 82
p0 −225.1± 364.4
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 815
Std Dev 771.1
2
1
0
−1
−2

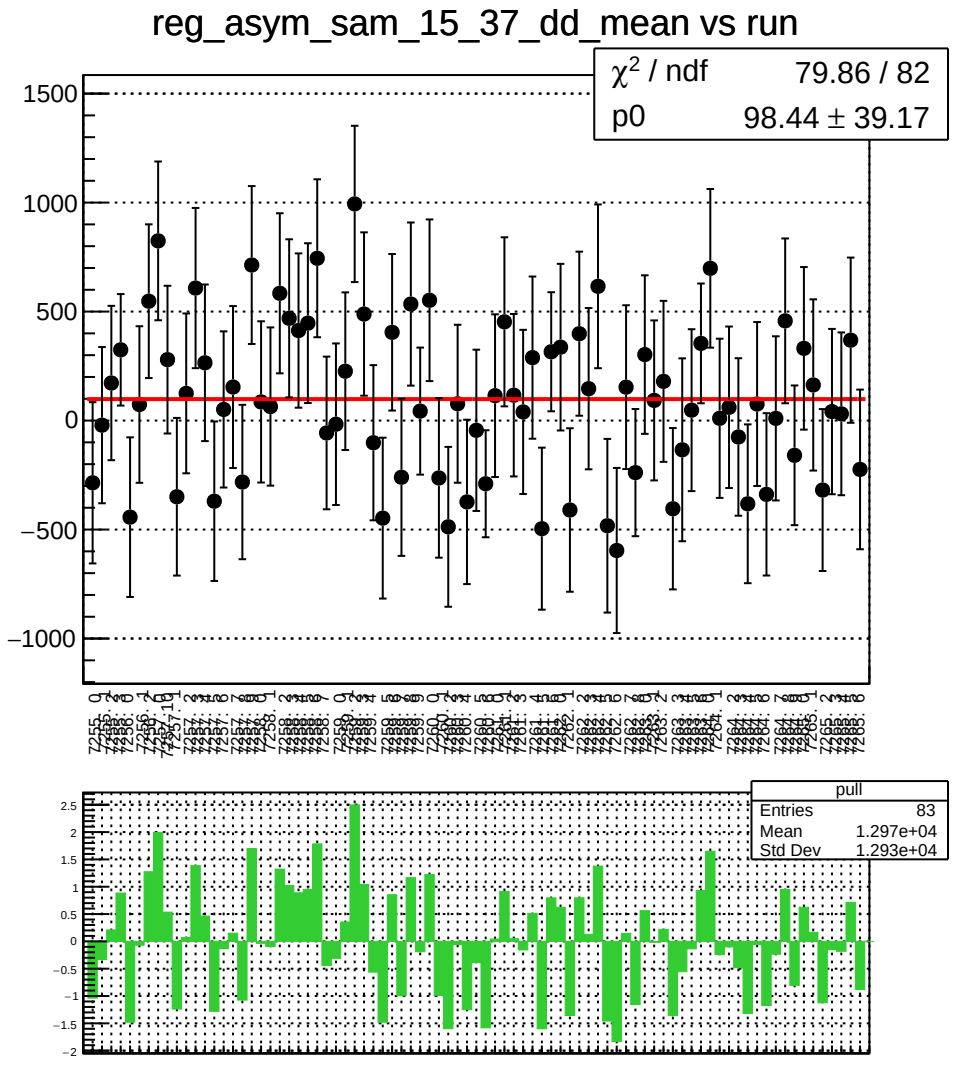

pull1D
Entries 83
Mean 0.002549
Std Dev 1.087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

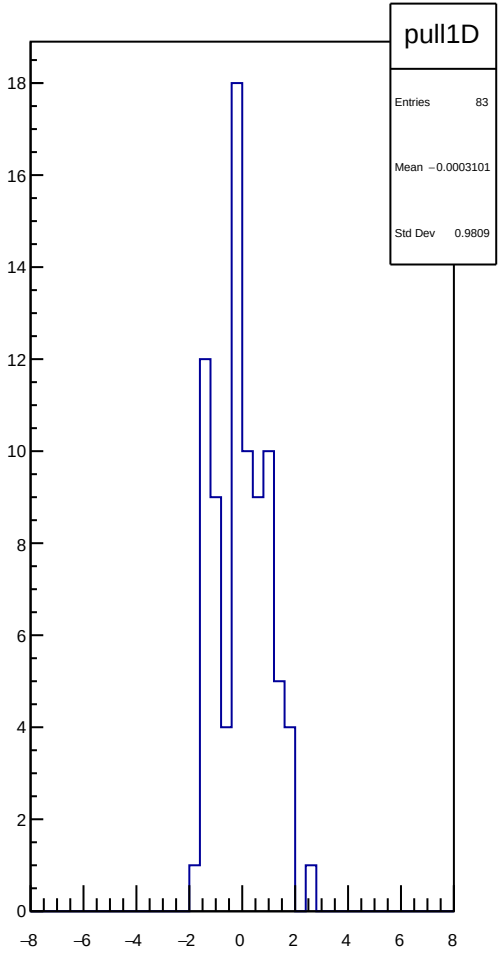

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2374 / 82
p0 325.7 ± 0.2577
360
350
340
330
320
310
300

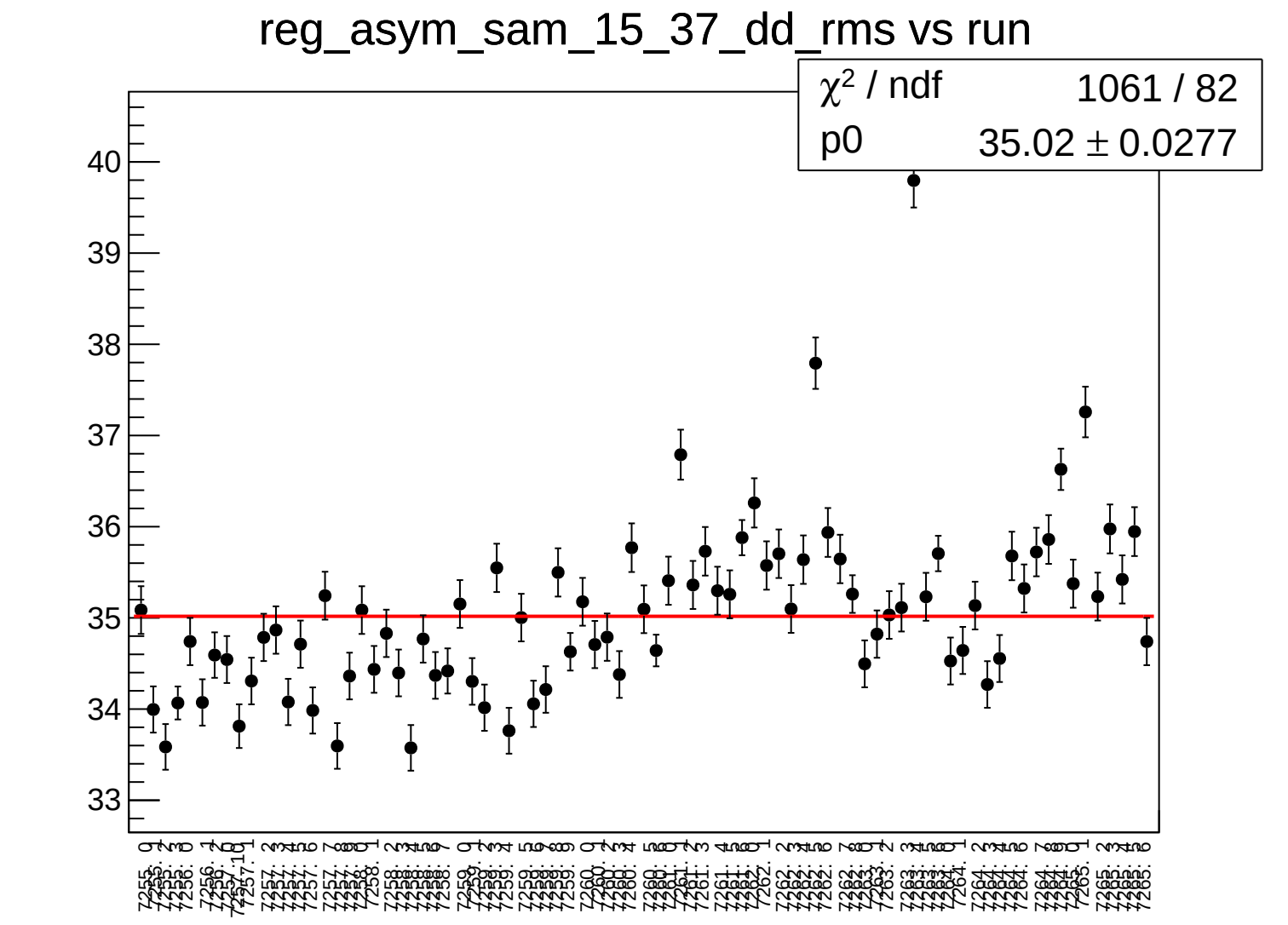

asym_sam_13_57_dd_mean vs run
χ² / ndf 97.72 / 82
p0 273.4 ± 369.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 315.8
Std Dev 270.9
2
1
0
−1
−2

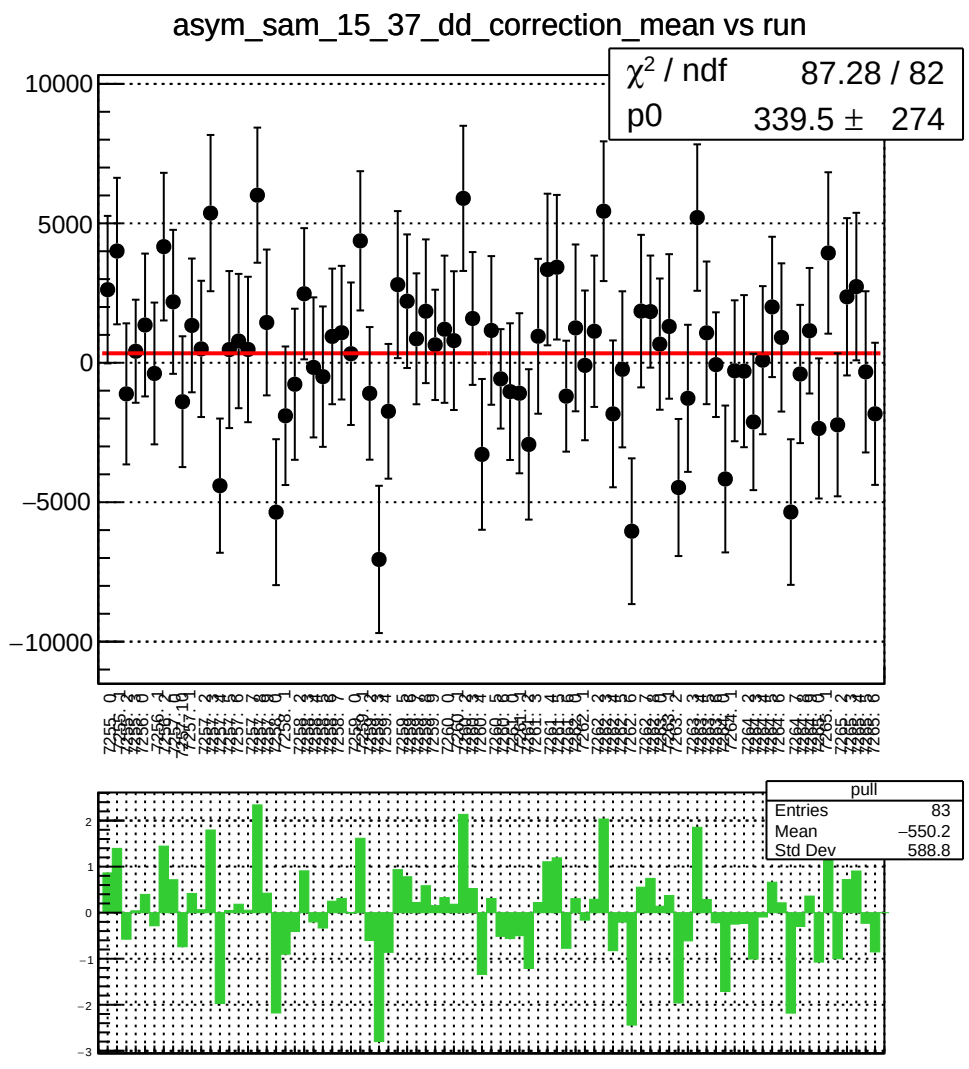

pull1D
Entries 83
Mean −0.005119
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

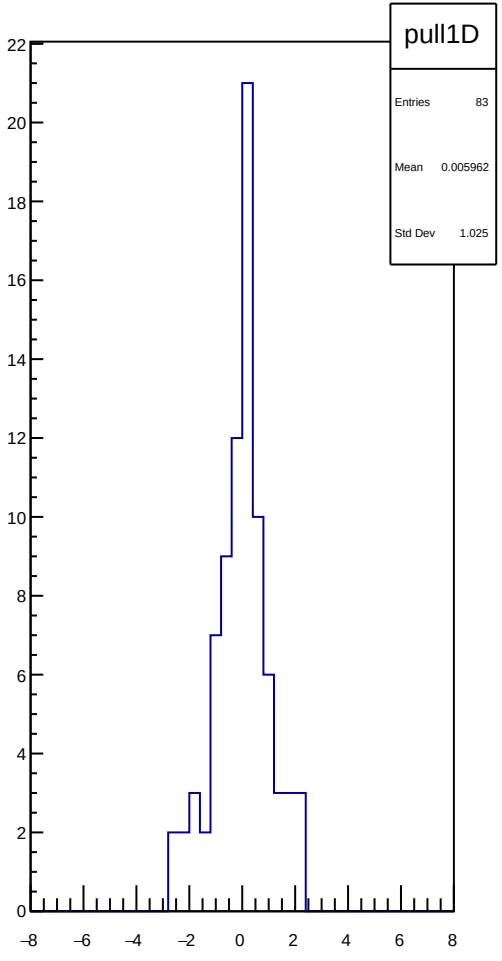

asym_sam_13_57_dd_rms vs run
χ² / ndf 2241 / 82
p0 330.5 ± 0.2615
360
350
340
330
320
310
300

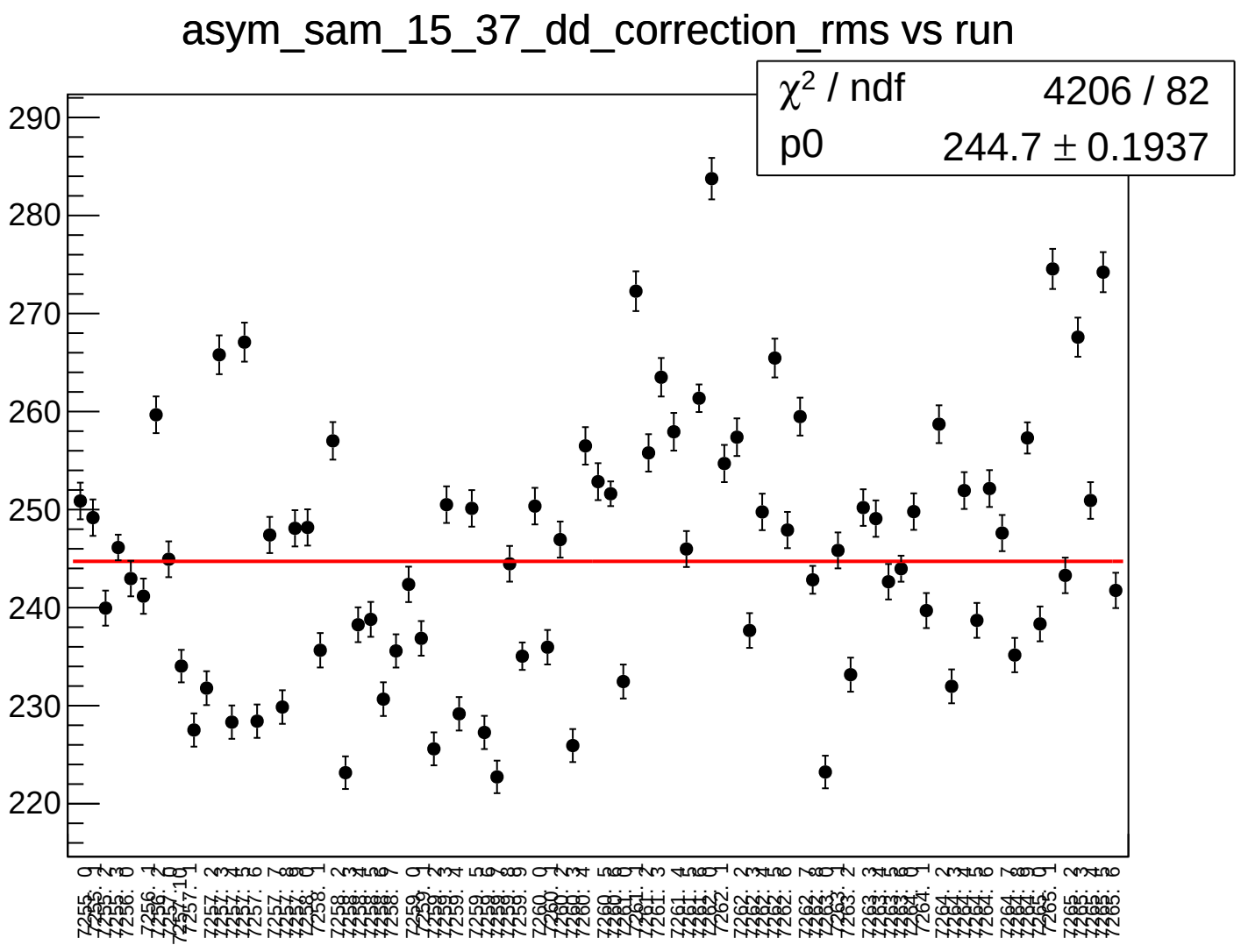

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.86 / 82
p0 98.44 ± 39.17
pull
Entries 83
Mean 1.297e+04
Std Dev 1.293e+04

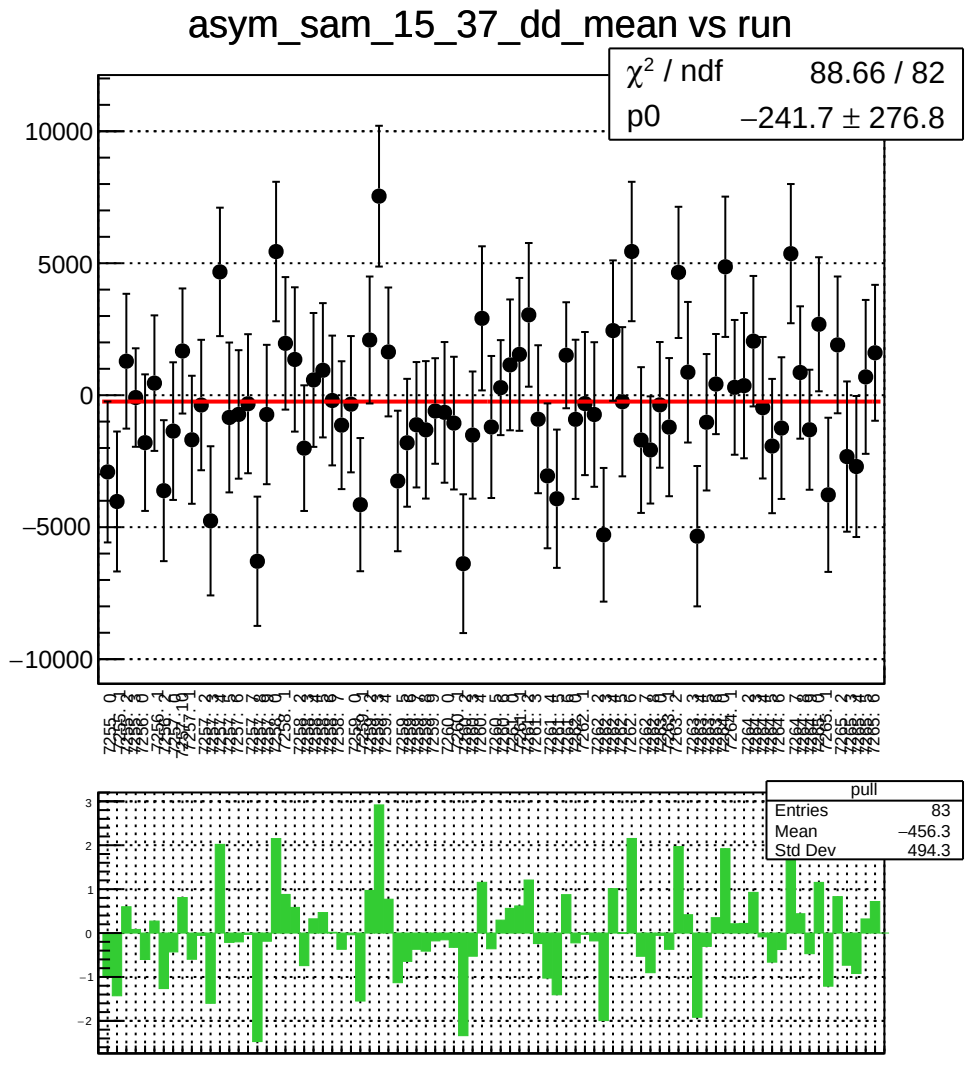

pull1D
Entries 83
Mean −0.0003101
Std Dev 0.9809

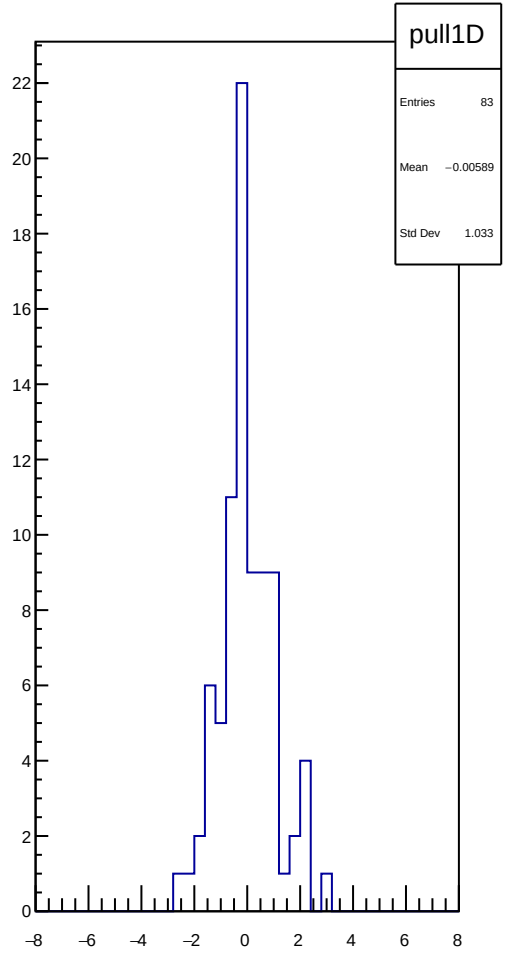

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 1061 / 82
p0 35.02 ± 0.0277
40
39
38
37
36
35
34
33

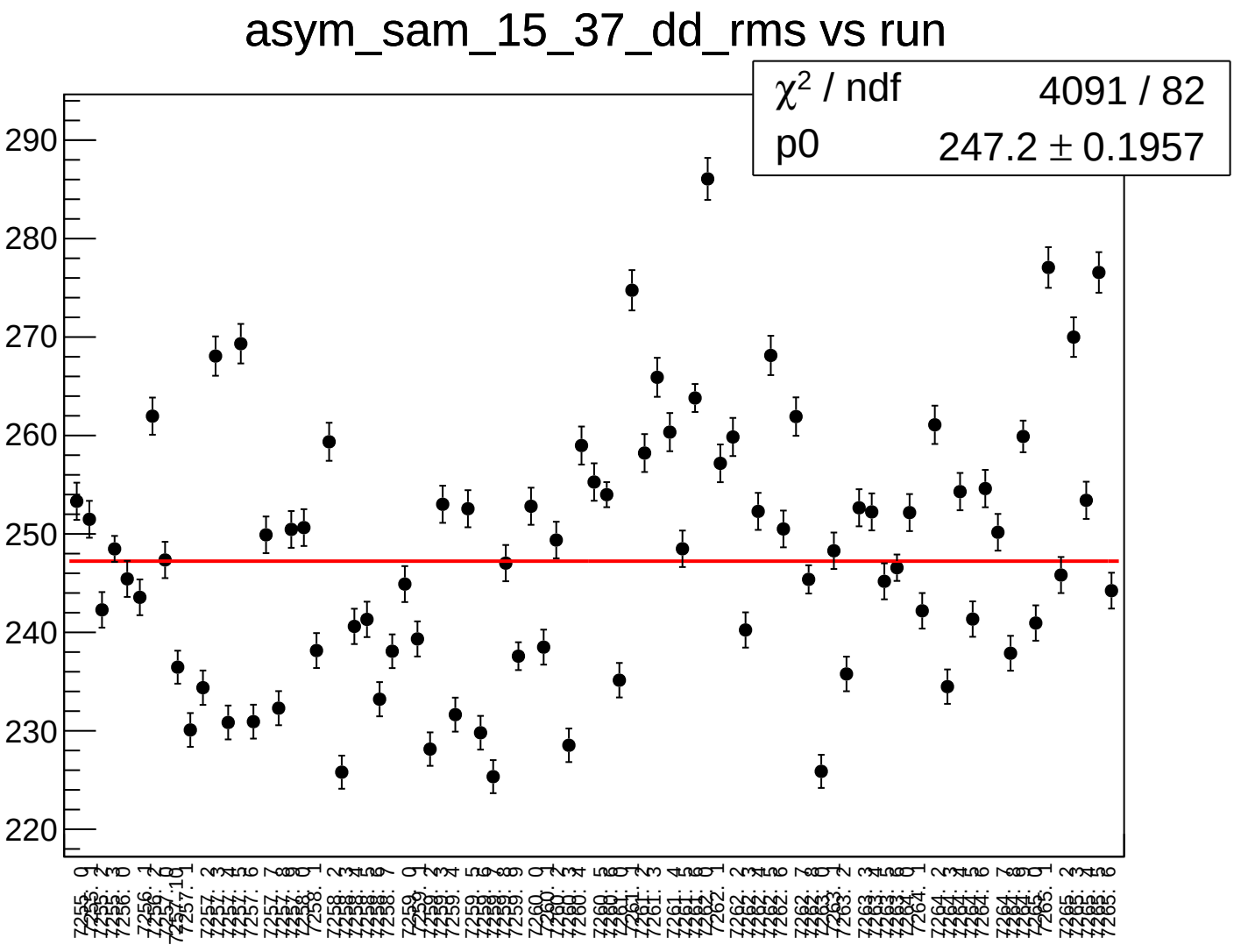

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 87.28 / 82
p0 339.5 ± 274
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −550.2
Std Dev 588.8
2
1
0
−1
−2
−3

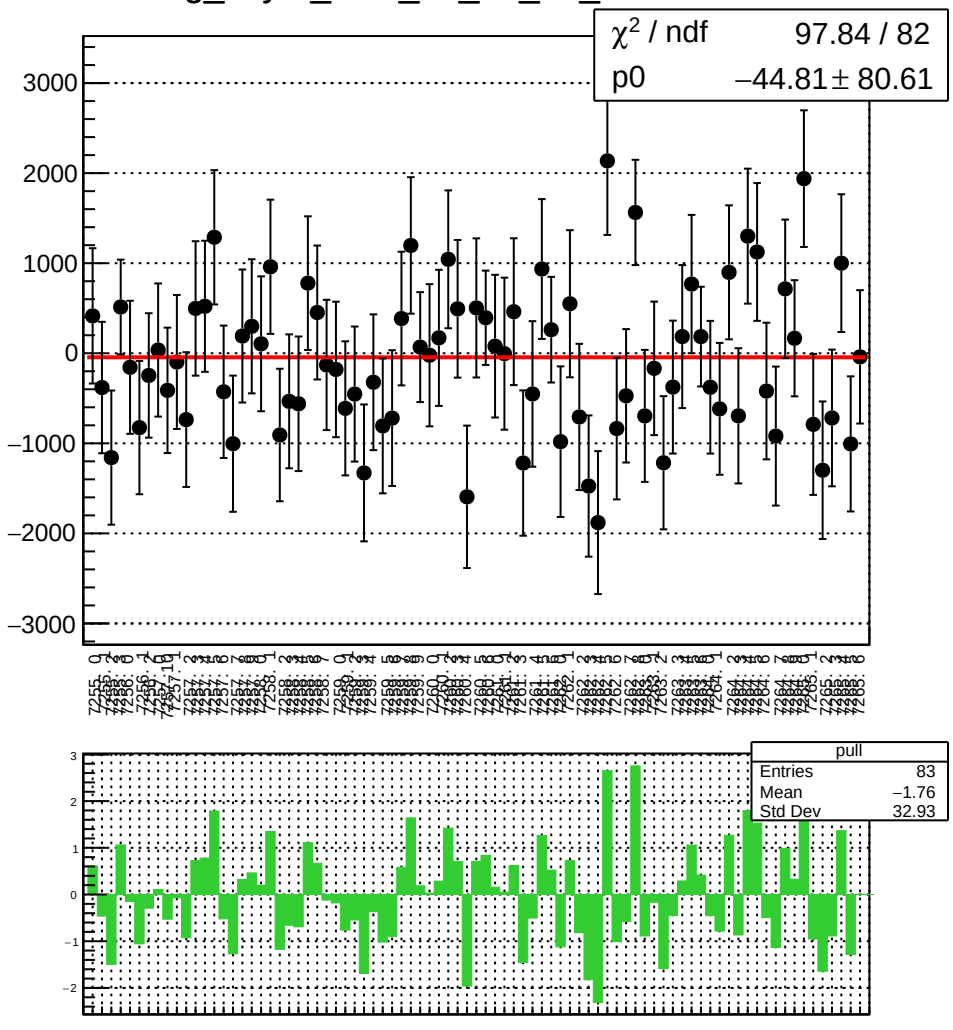

pull1D
Entries 83
Mean 0.005962
Std Dev 1.025
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

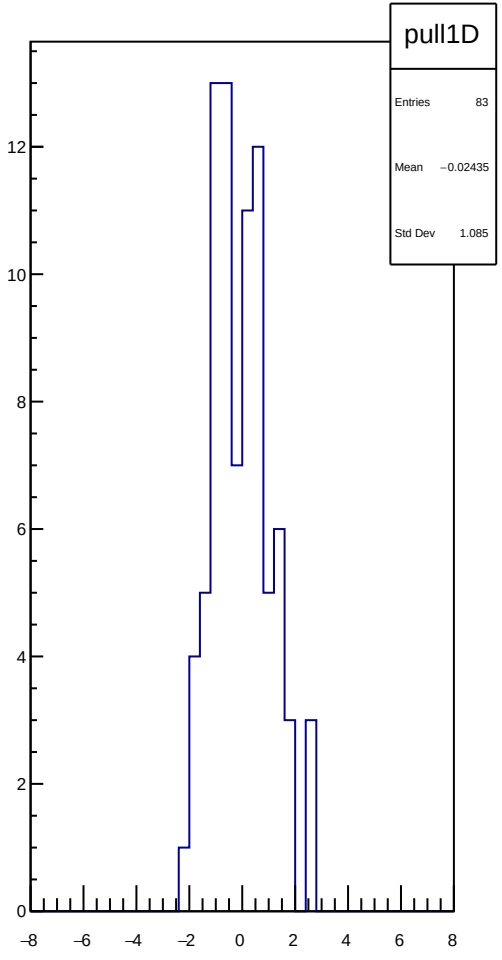

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4206 / 82
p0 244.7 ± 0.1937
290
280
270
260
250
240
230
220

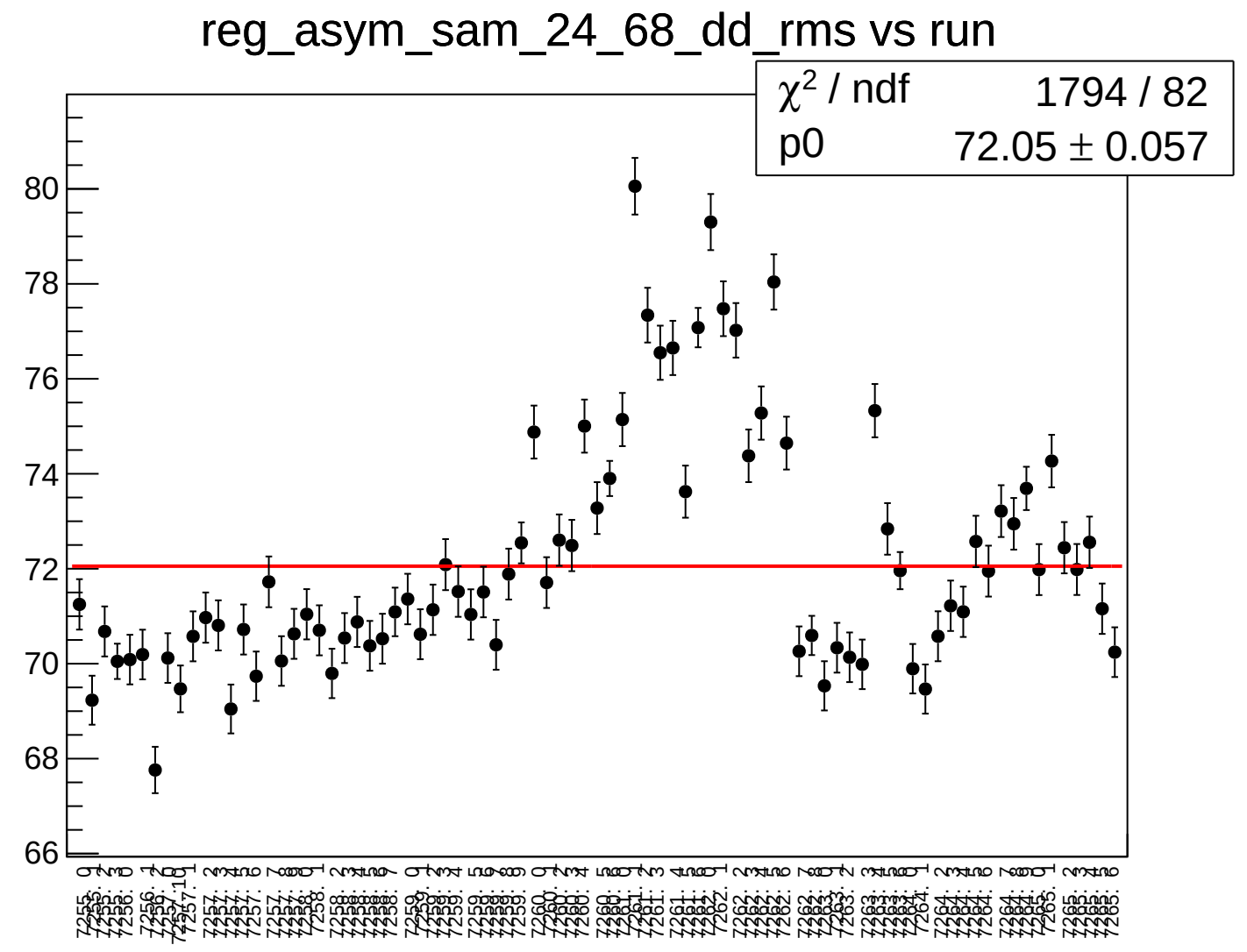

asym_sam_15_37_dd_mean vs run
χ² / ndf 88.66 / 82
p0 −241.7 ± 276.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −456.3
Std Dev 494.3
3
2
1
0
−1
−2

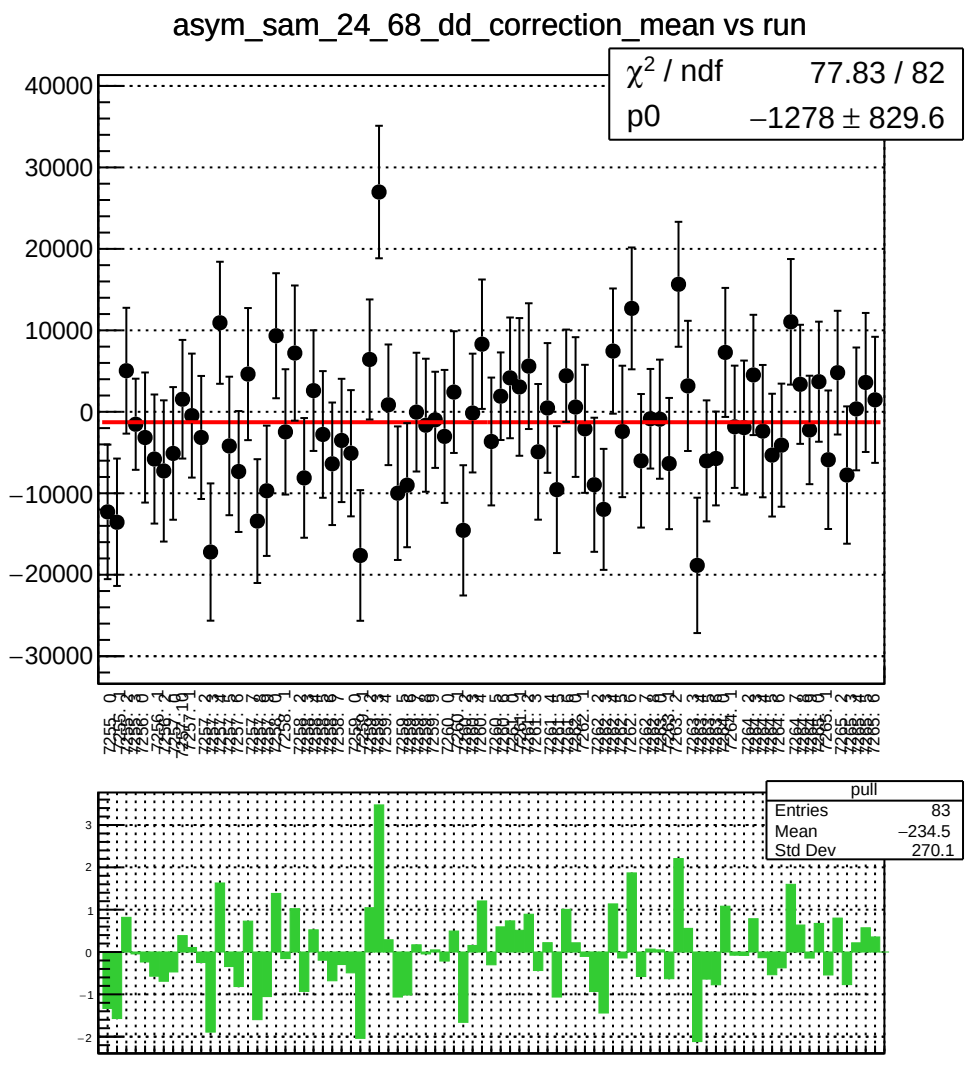

pull1D
Entries 83
Mean −0.00589
Std Dev 1.033
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

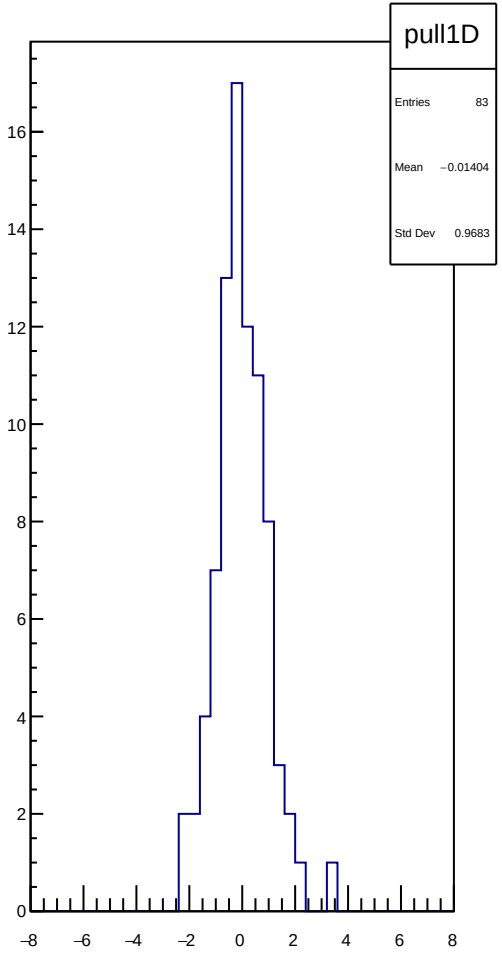

asym_sam_15_37_dd_rms vs run
χ² / ndf 4091 / 82
p0 247.2 ± 0.1957
290
280
270
260
250
240
230
220

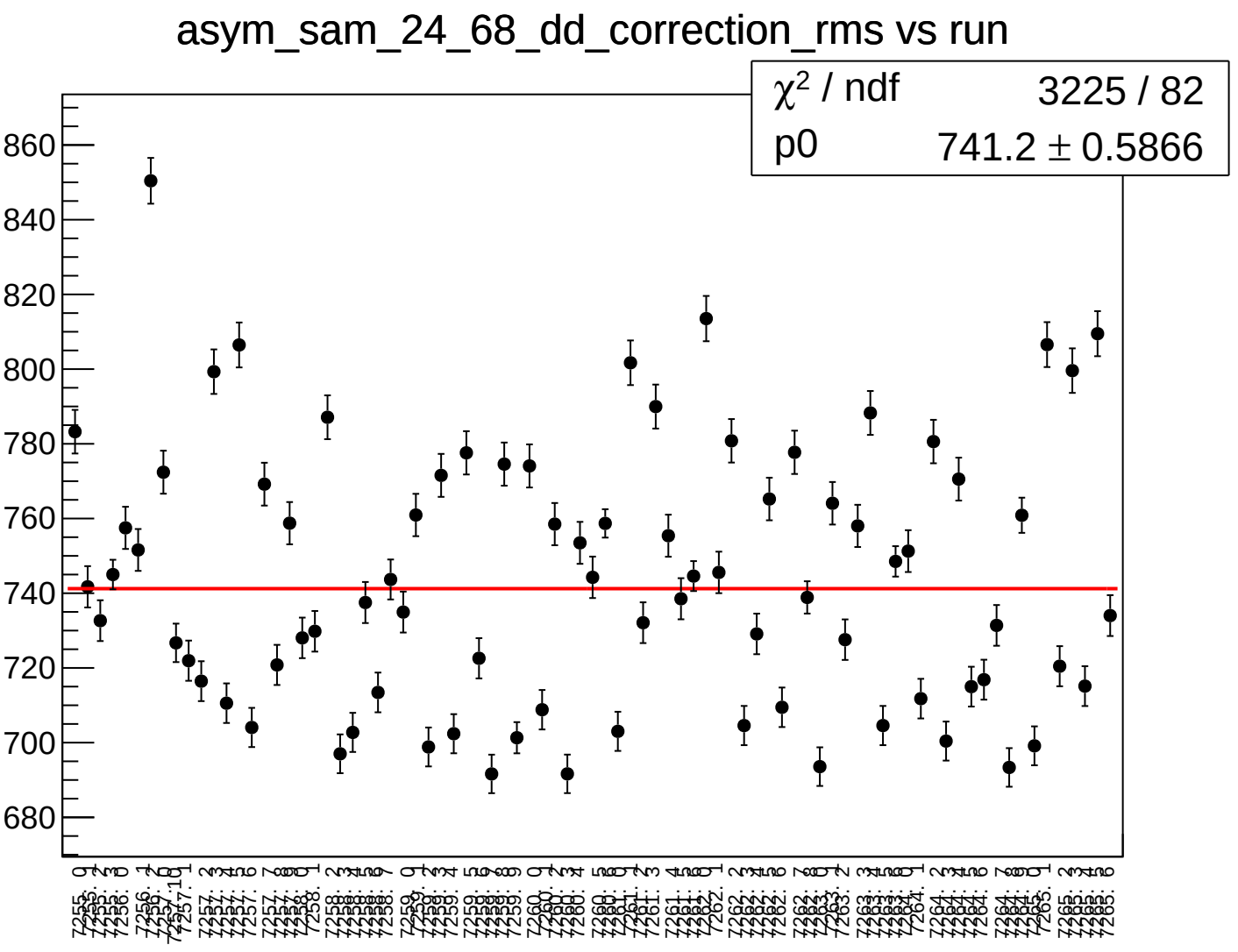

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 97.84 / 82
p0 −44.81 ± 80.61
pull
Entries 83
Mean −1.76
Std Dev 32.93

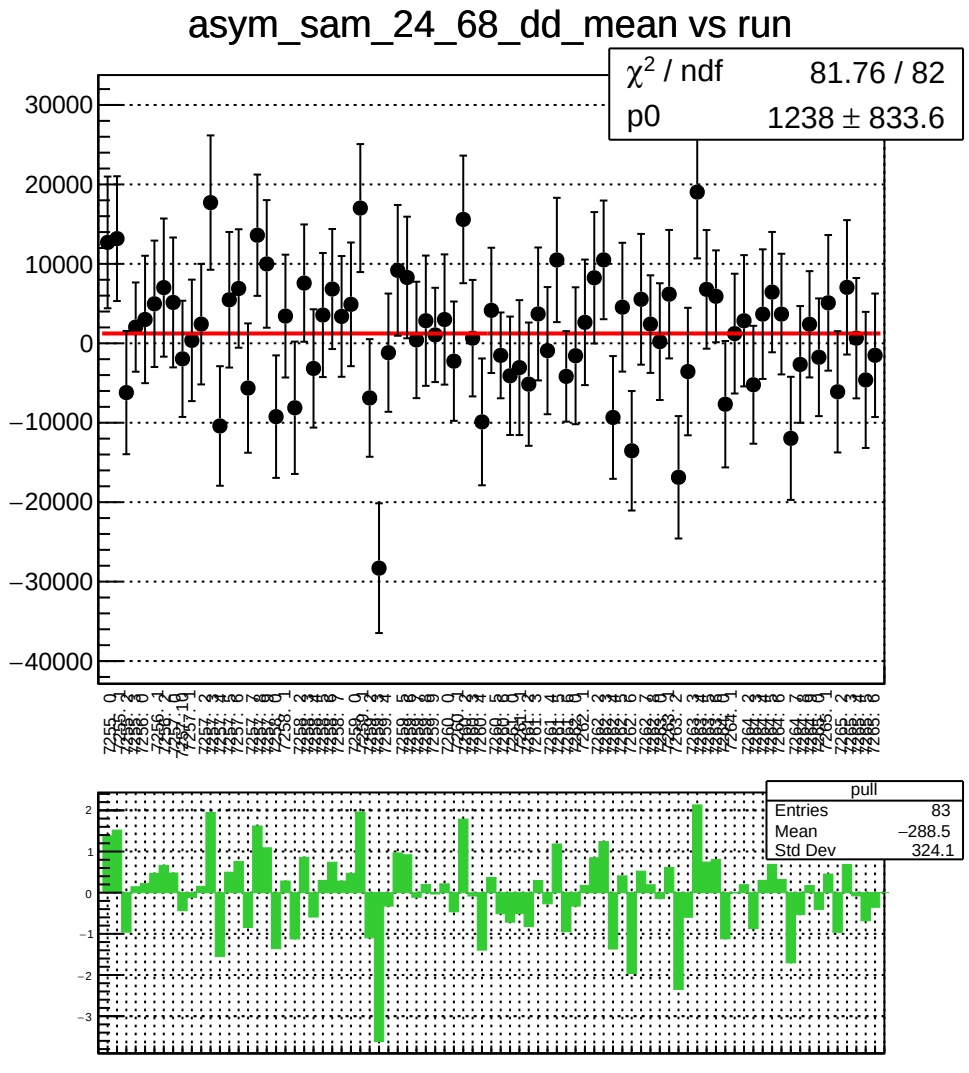

pull1D
Entries 83
Mean −0.02435
Std Dev 1.085

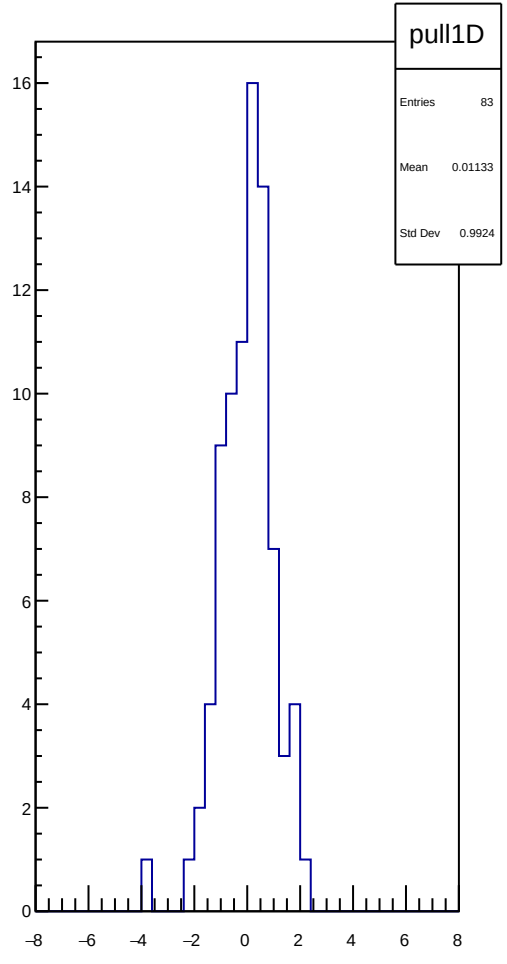

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 1794 / 82
p0 72.05 ± 0.057
80
78
76
74
72
70
68
66

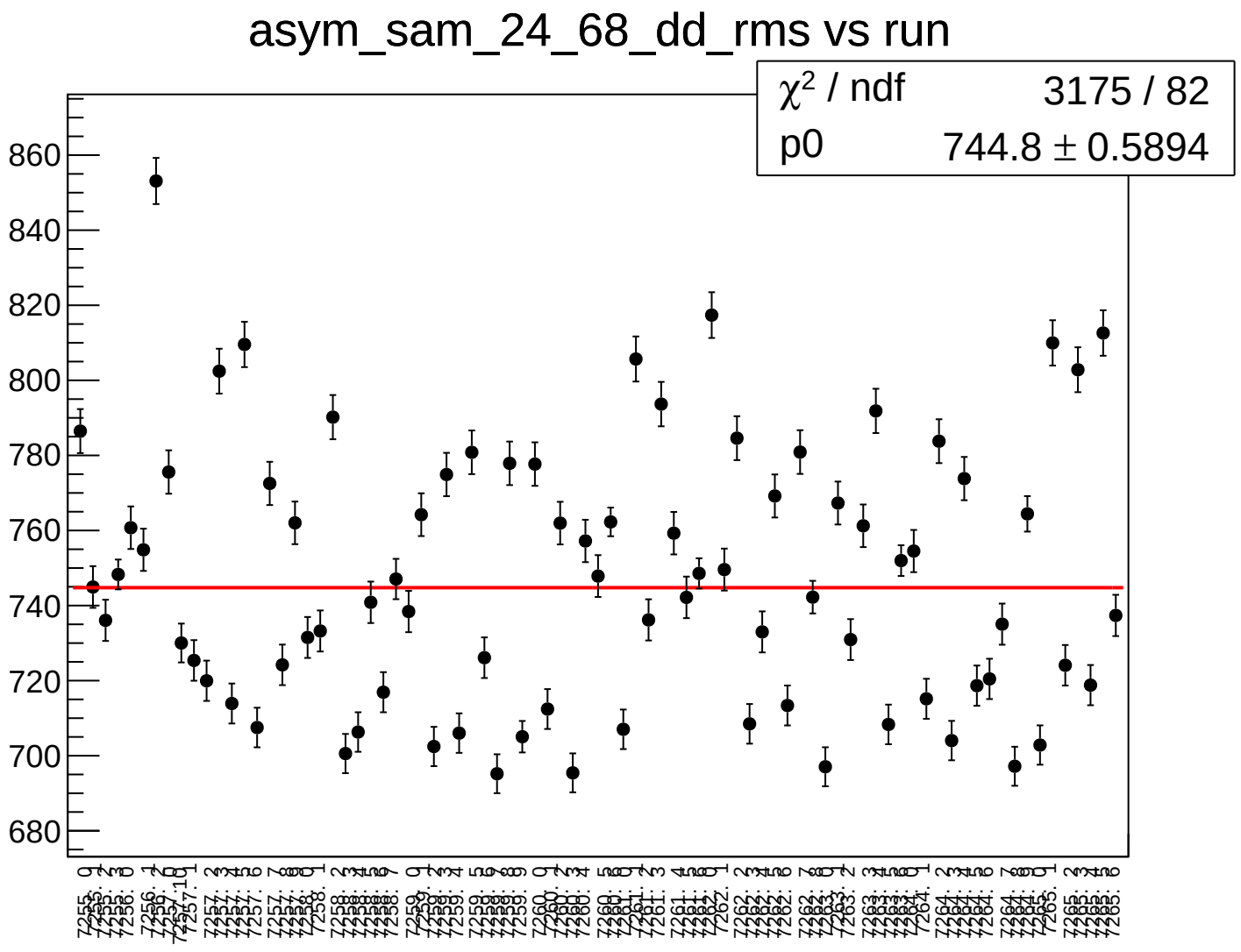

asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 77.83 / 82
p0 −1278 ± 829.6
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −234.5
Std Dev 270.1
3
2
1
0
−1
−2

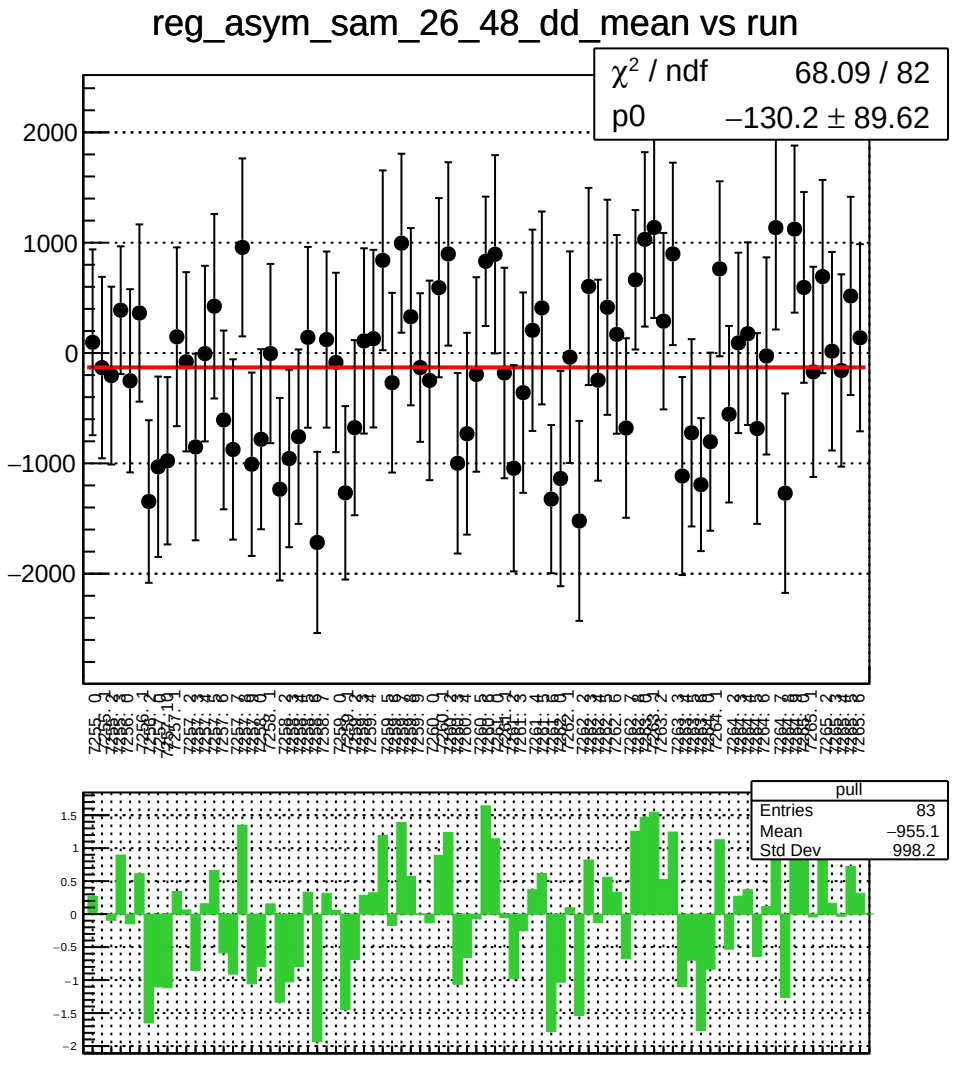

pull1D
Entries 83
Mean −0.01404
Std Dev 0.9683
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

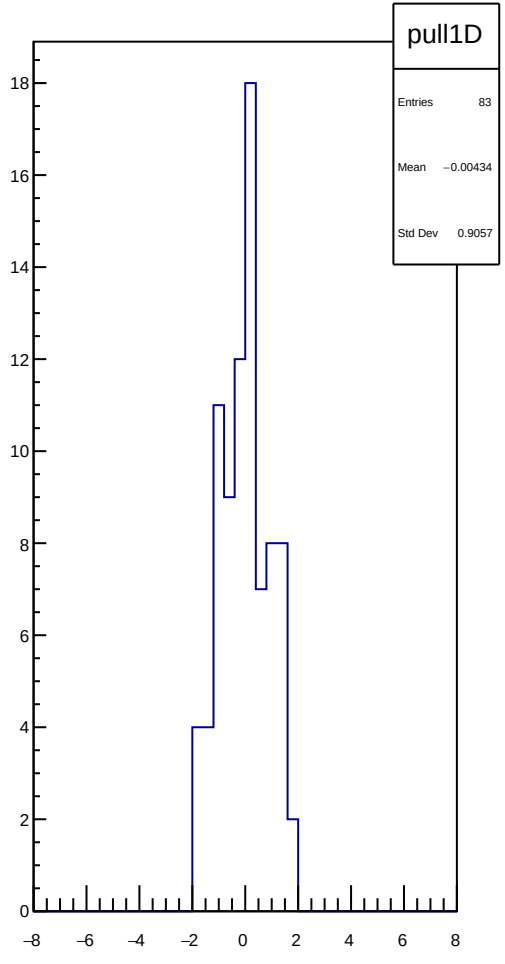

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3225 / 82
p0 741.2 ± 0.5866
860
840
820
800
780
760
740
720
700
680

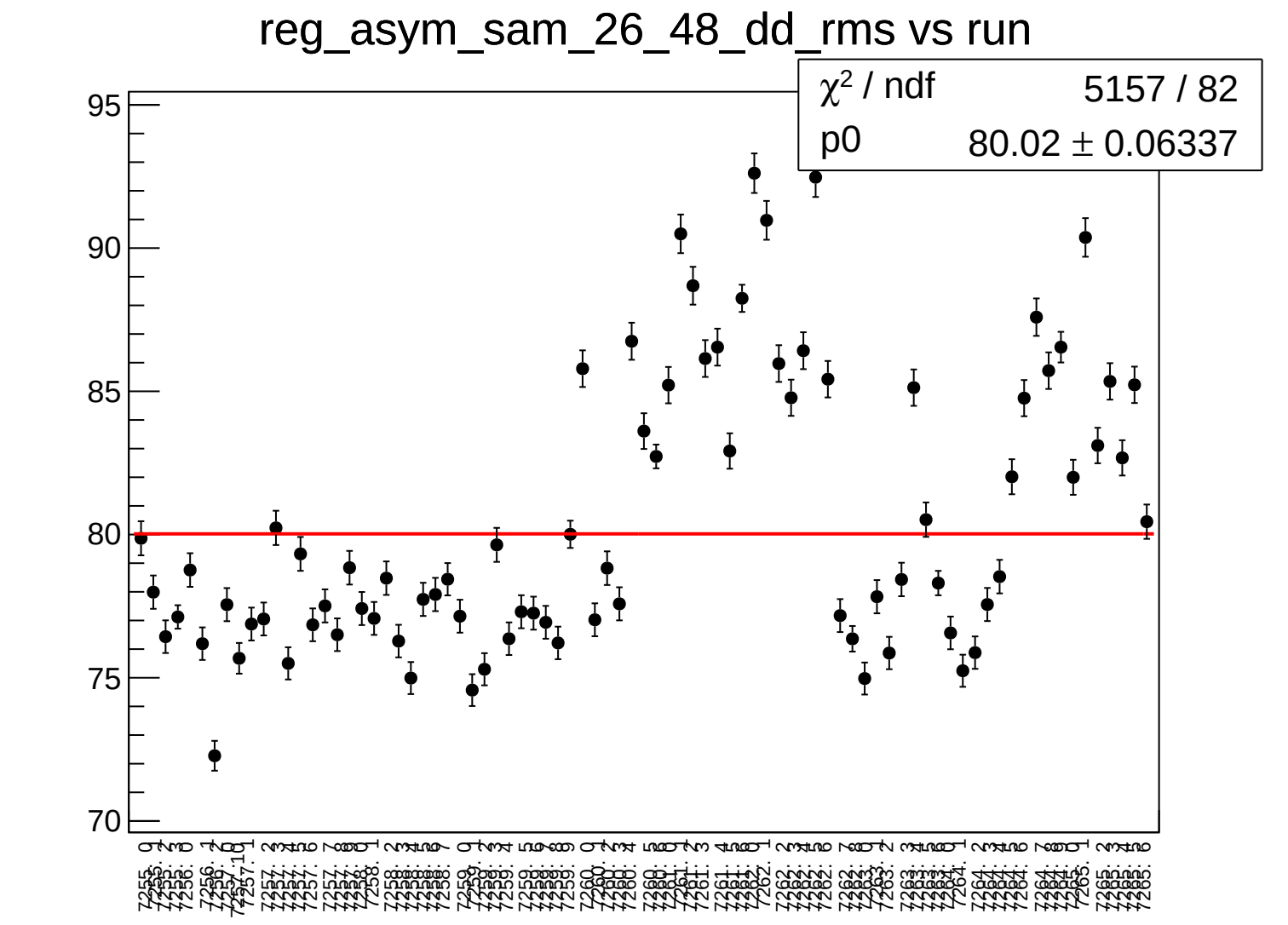

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 81.76 / 82
p0 1238 ± 833.6
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −288.5
Std Dev 324.1
2
1
0
−1
−2
−3

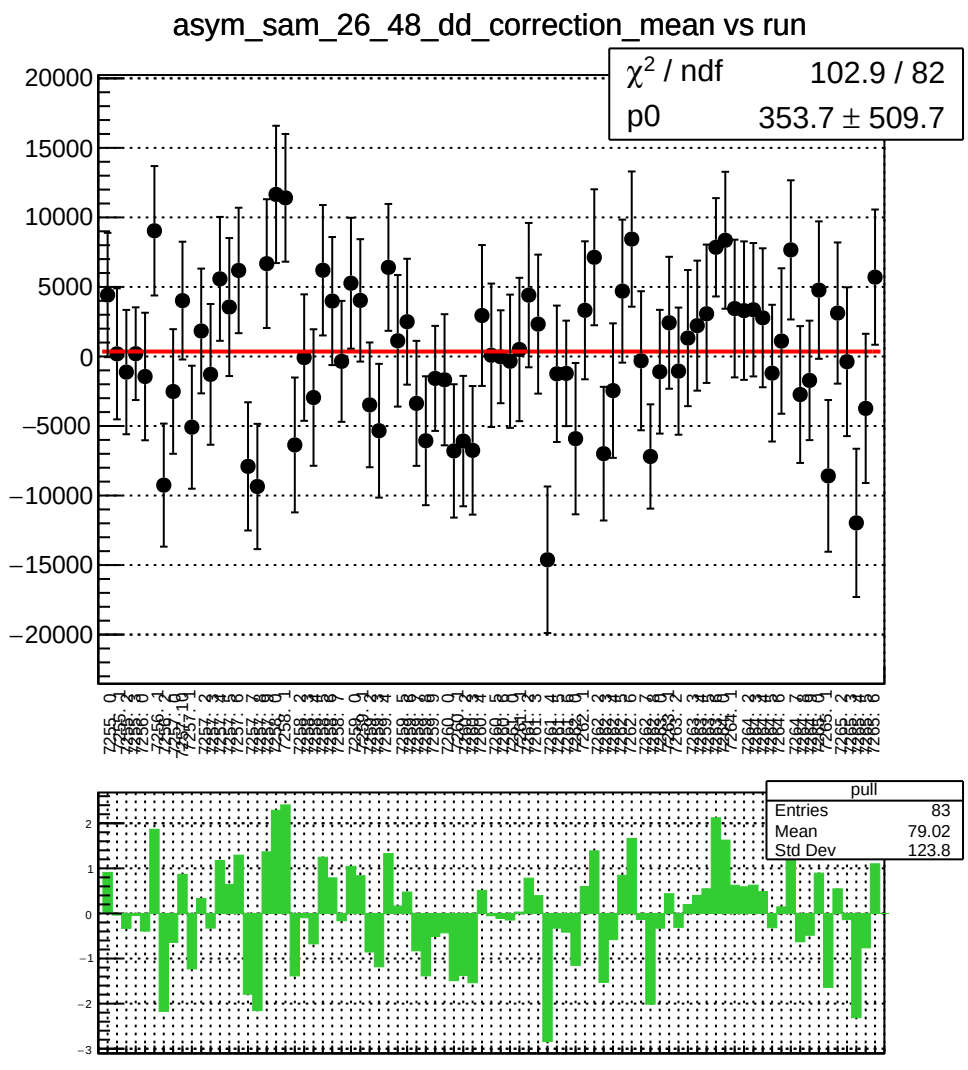

pull1D
Entries 83
Mean 0.01133
Std Dev 0.9924
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

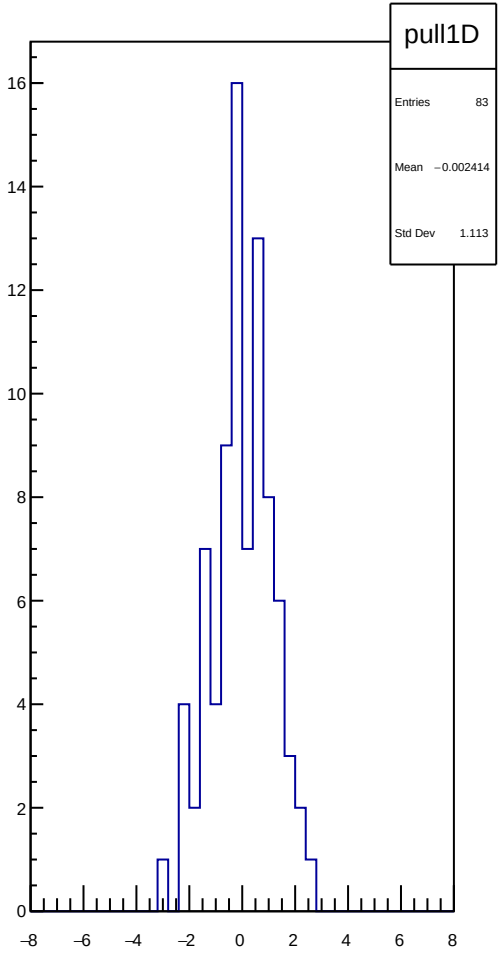

asym_sam_24_68_dd_rms vs run
χ² / ndf 3175 / 82
p0 744.8 ± 0.5894
860
840
820
800
780
760
740
720
700
680

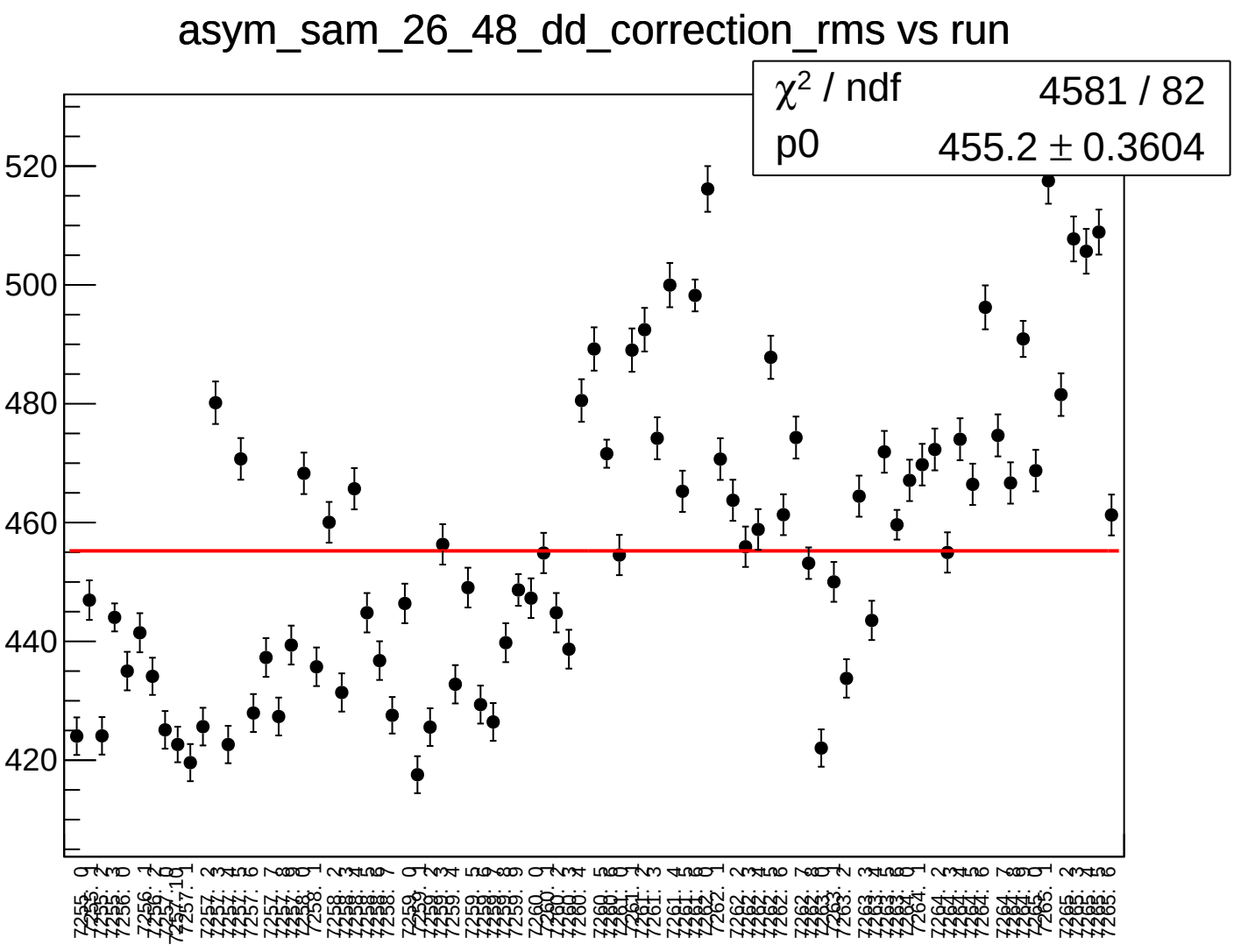

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 68.09 / 82
p0 −130.2 ± 89.62
2000
1000
0
−1000
−2000
pull
Entries 83
Mean −955.1
Std Dev 998.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

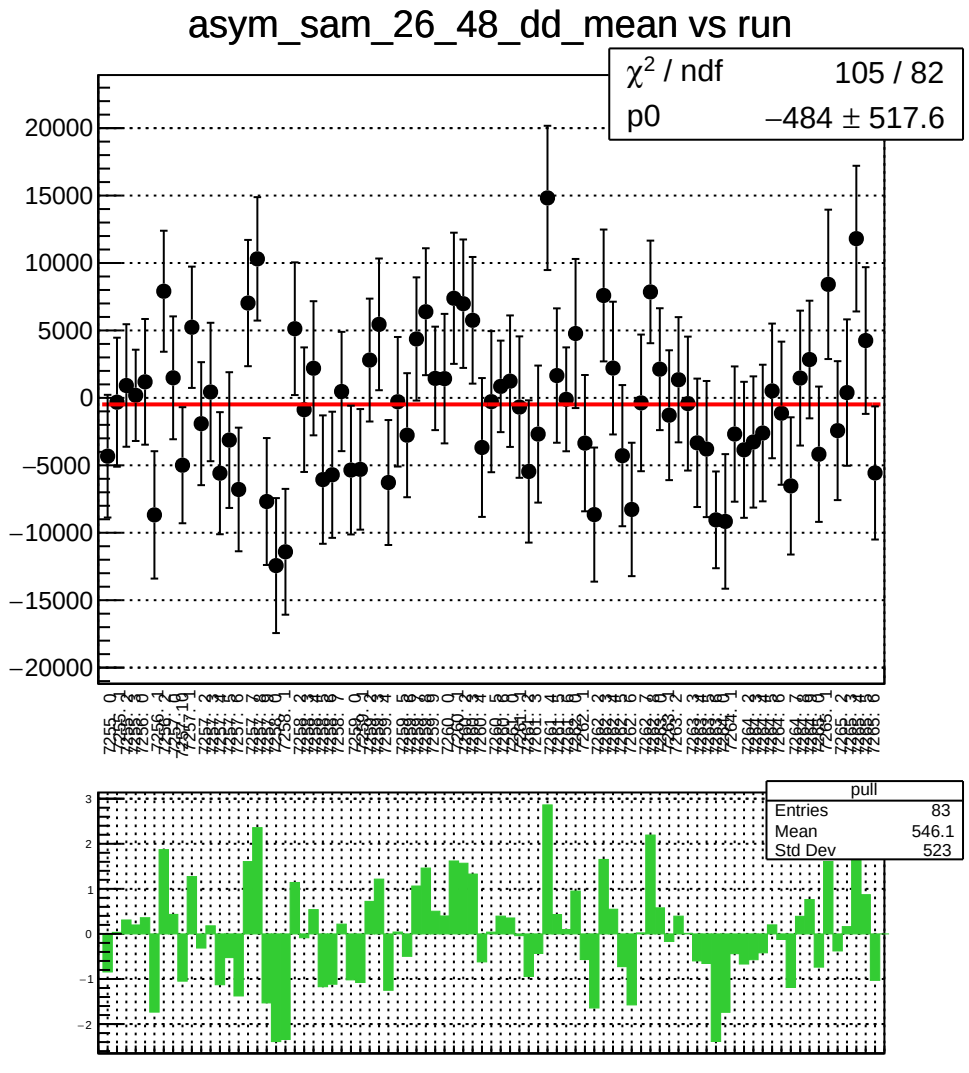

pull1D
Entries 83
Mean −0.00434
Std Dev 0.9057
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

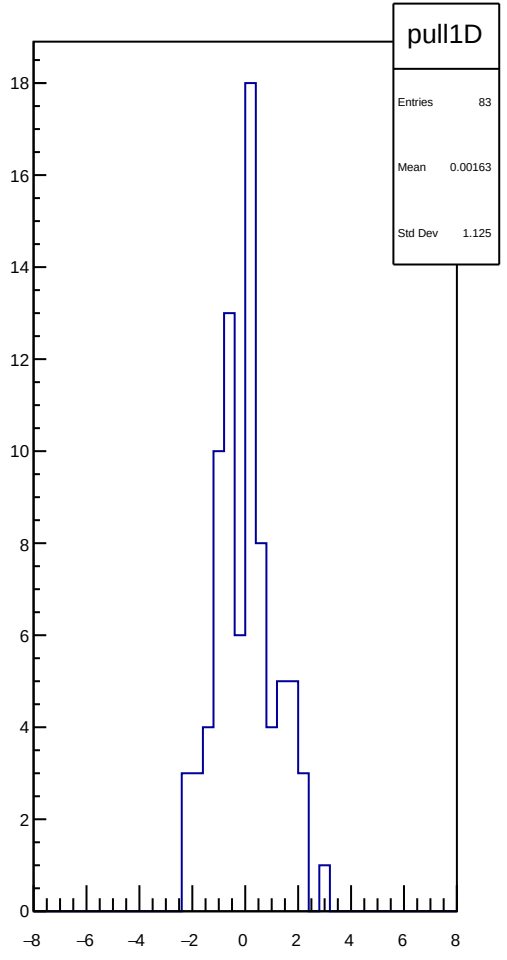

reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 5157 / 82
p0 80.02 ± 0.06337
95
90
85
80
75
70

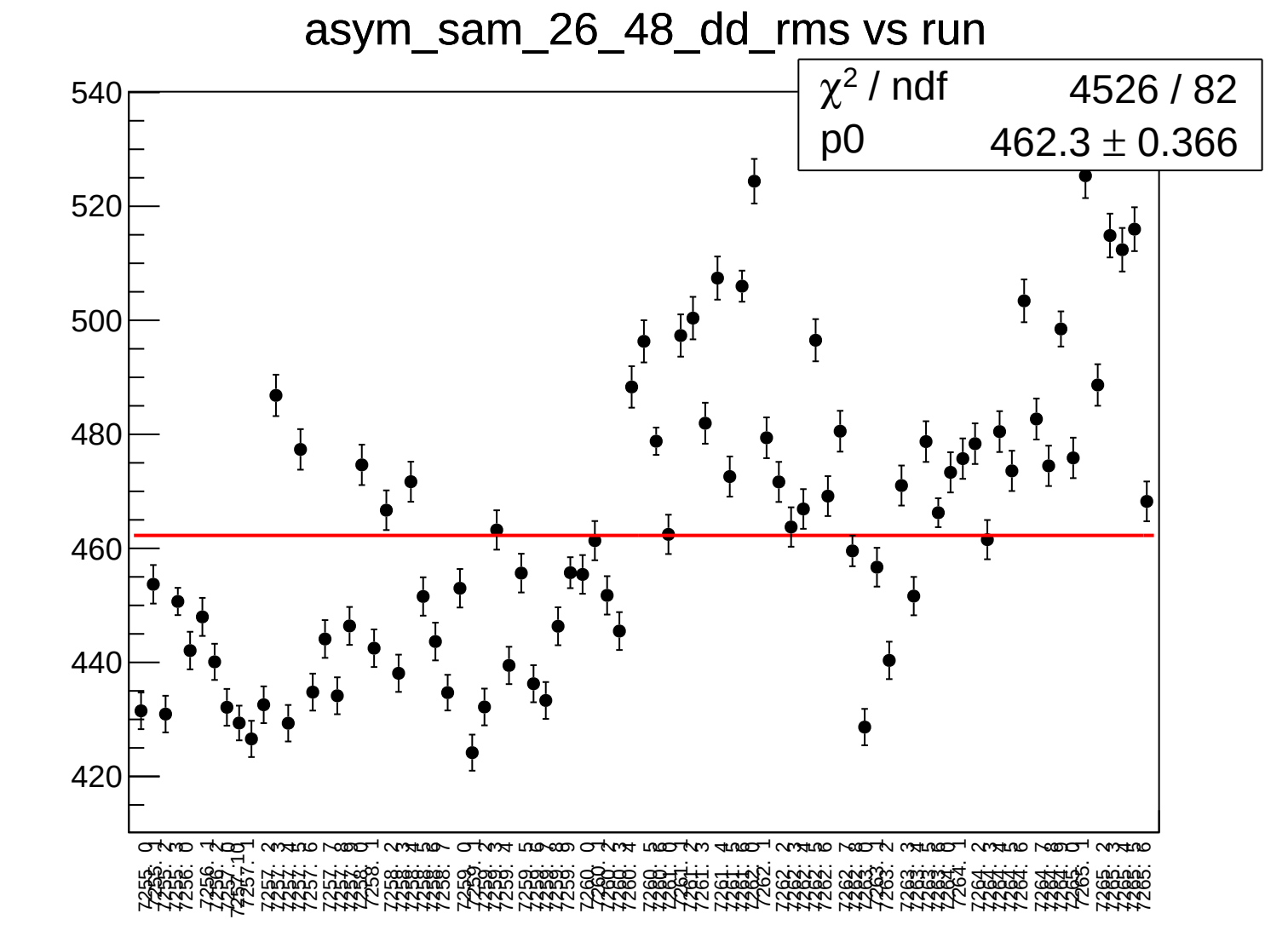

asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 102.9 / 82
p0 353.7 ± 509.7
pull
Entries 83
Mean 79.02
Std Dev 123.8

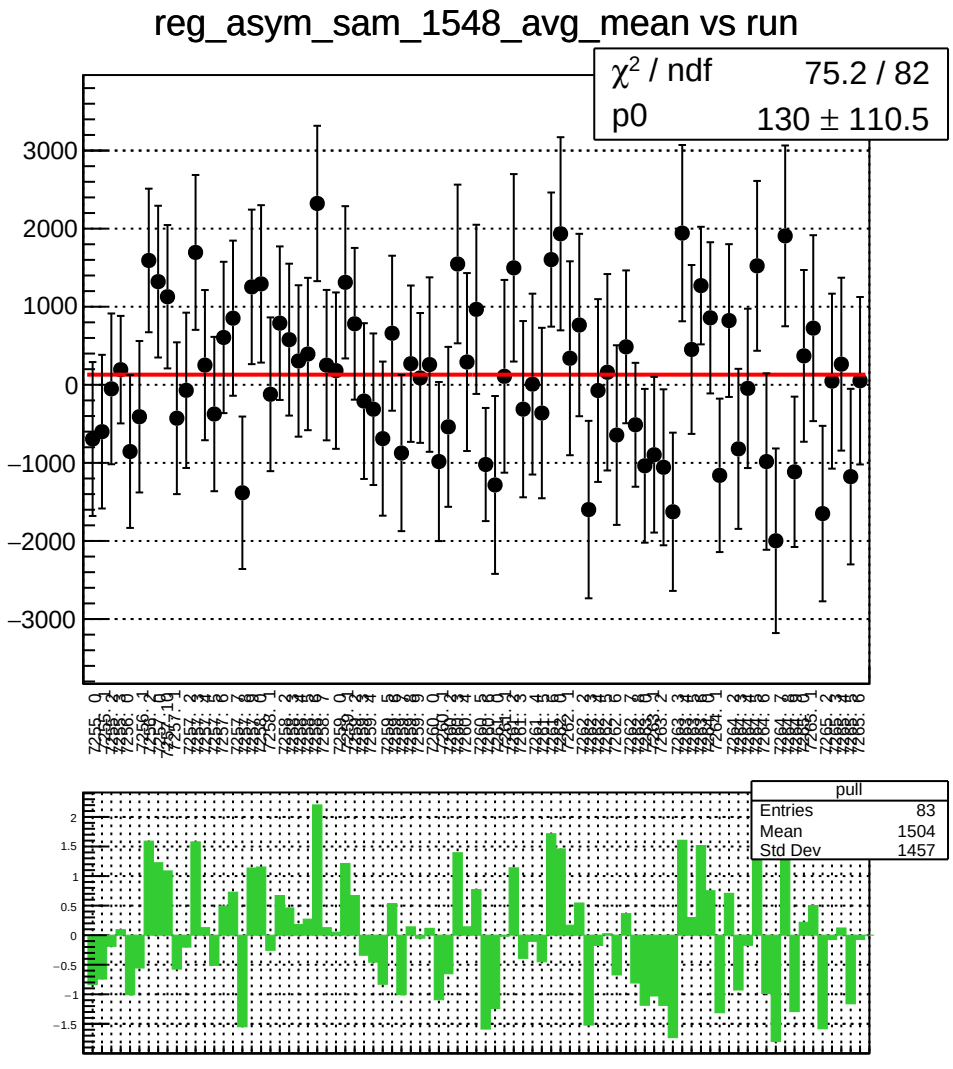

pull1D
Entries 83
Mean −0.002414
Std Dev 1.113

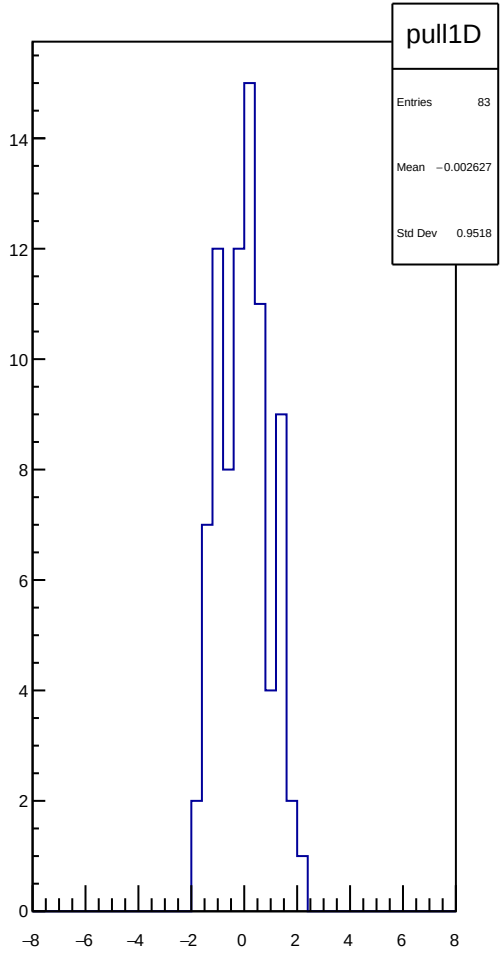

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4581 / 82
p0 455.2 ± 0.3604
520
500
480
460
440
420

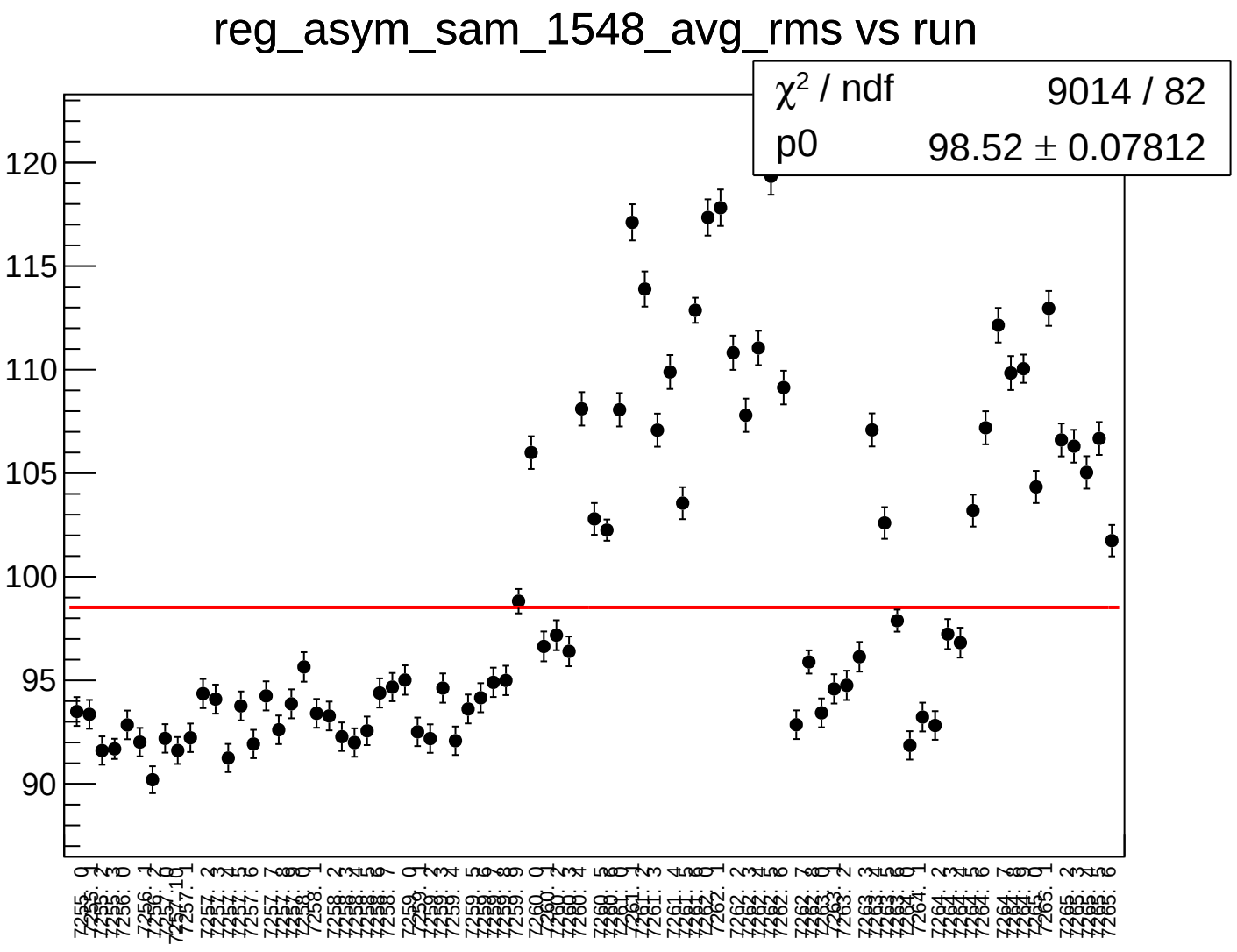

asym_sam_26_48_dd_mean vs run
χ² / ndf 105 / 82
p0 −484 ± 517.6
pull
Entries 83
Mean 546.1
Std Dev 523

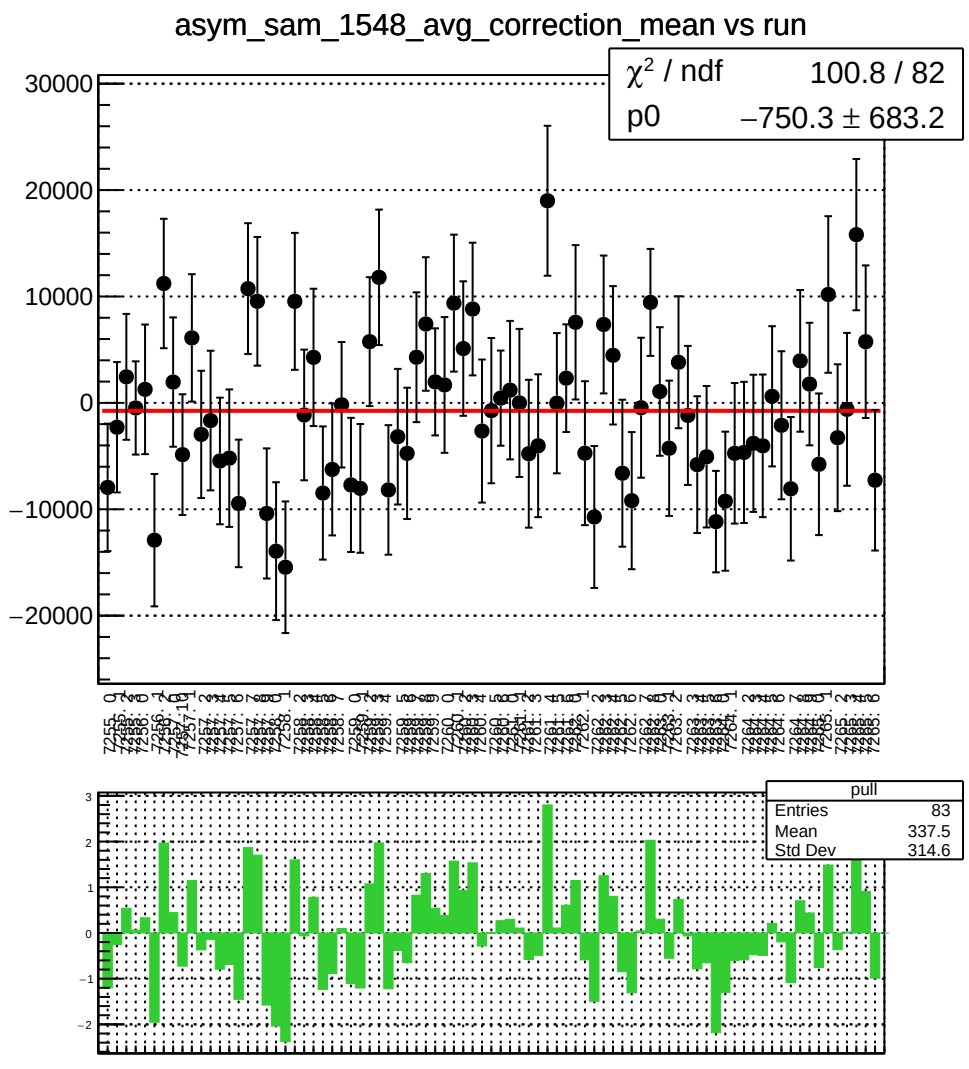

pull1D
Entries 83
Mean 0.00163
Std Dev 1.125

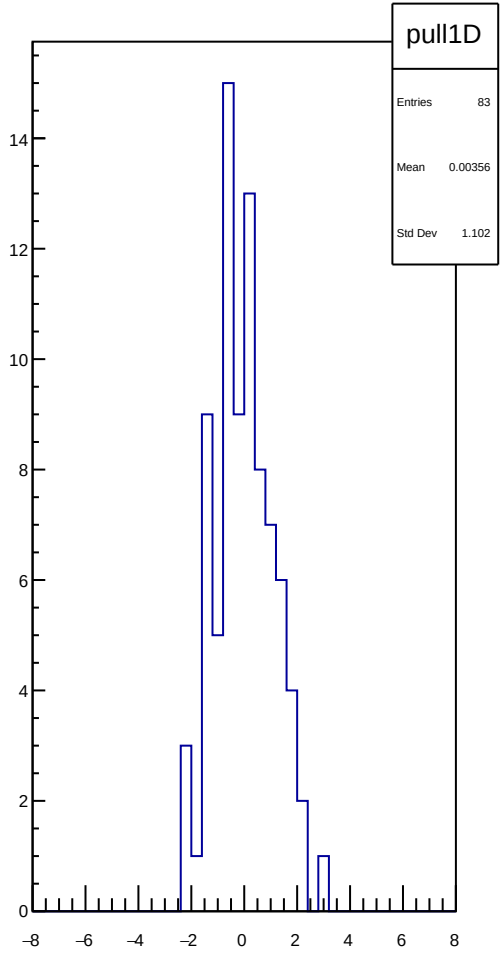

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 4526 / 82
p0 462.3 ± 0.366
540
520
500
480
460
440
420

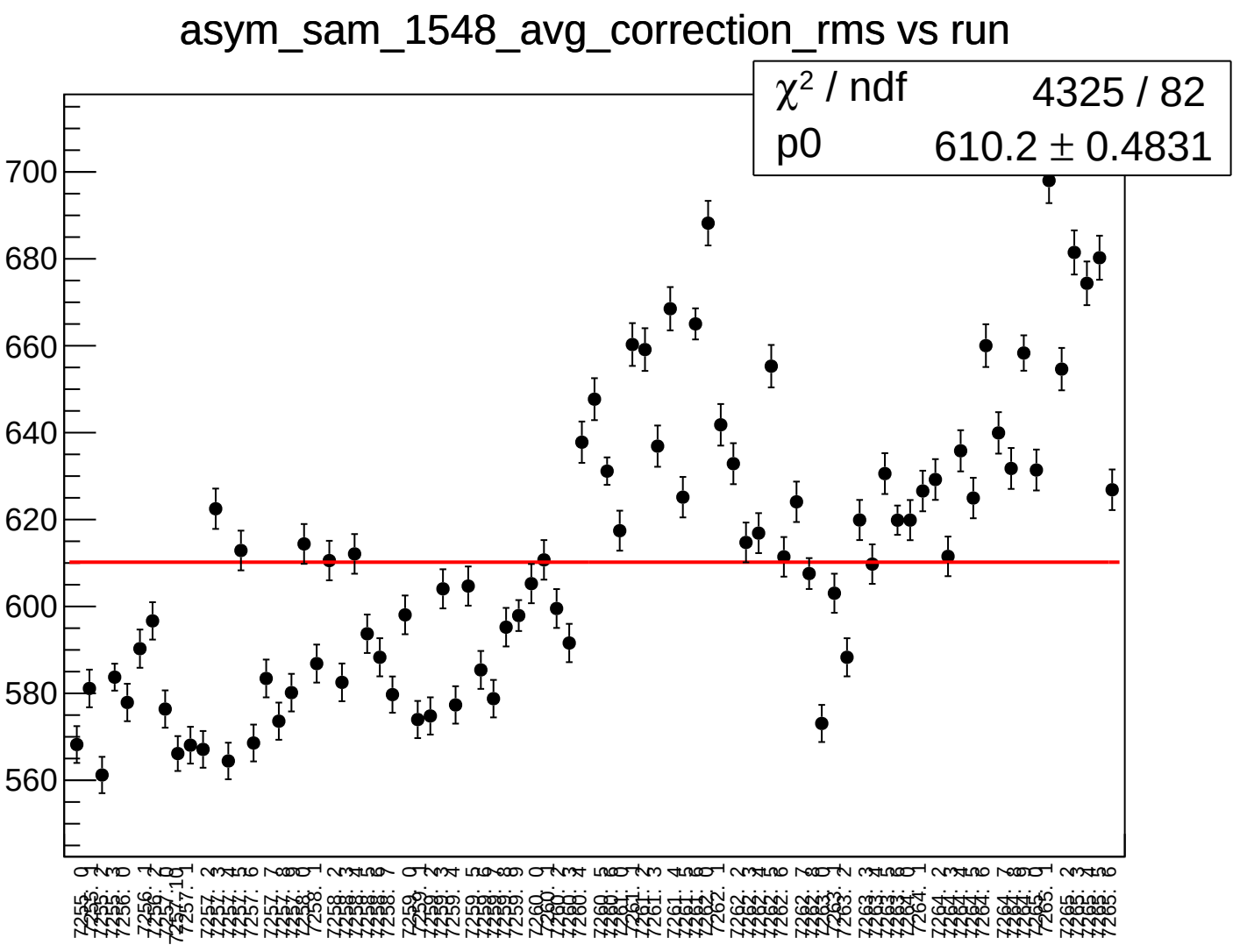

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 75.2 / 82
p0 130 ± 110.5
pull
Entries 83
Mean 1504
Std Dev 1457

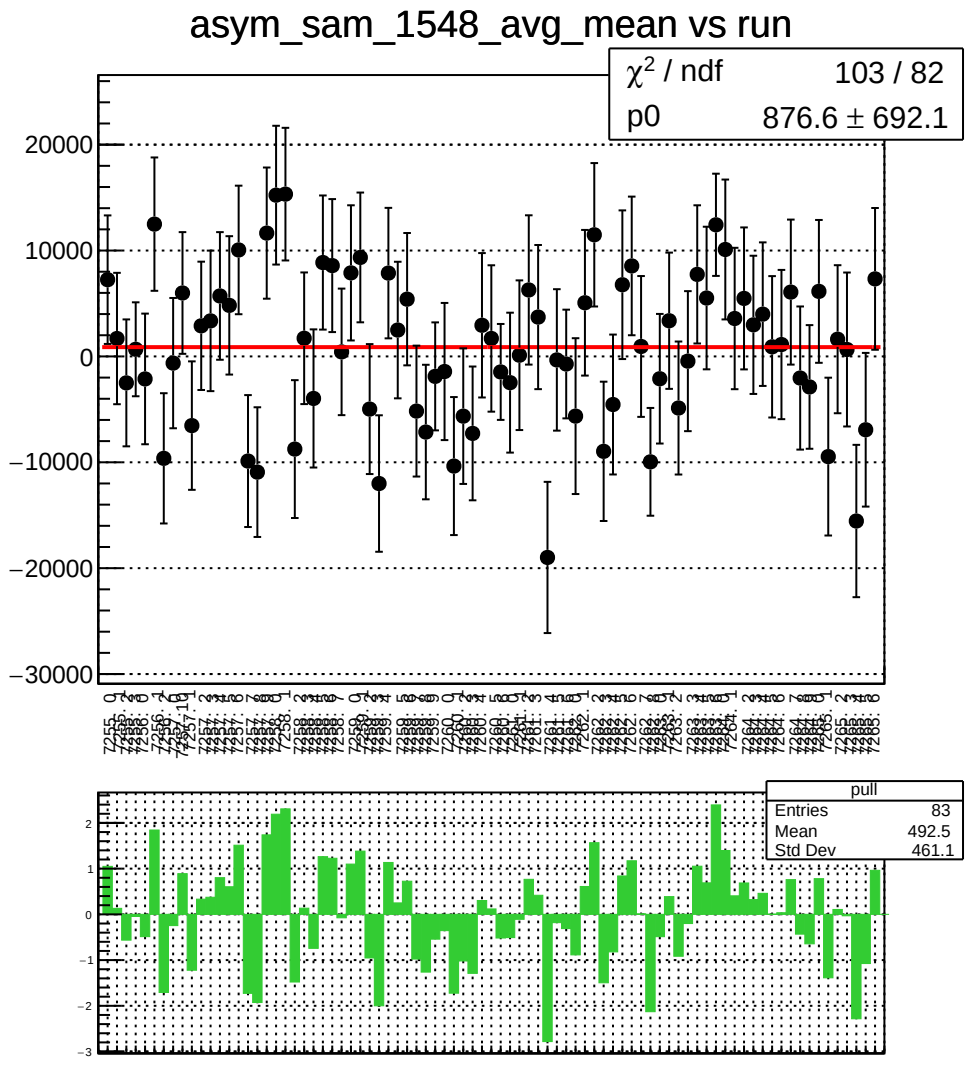

pull1D
Entries 83
Mean −0.002627
Std Dev 0.9518

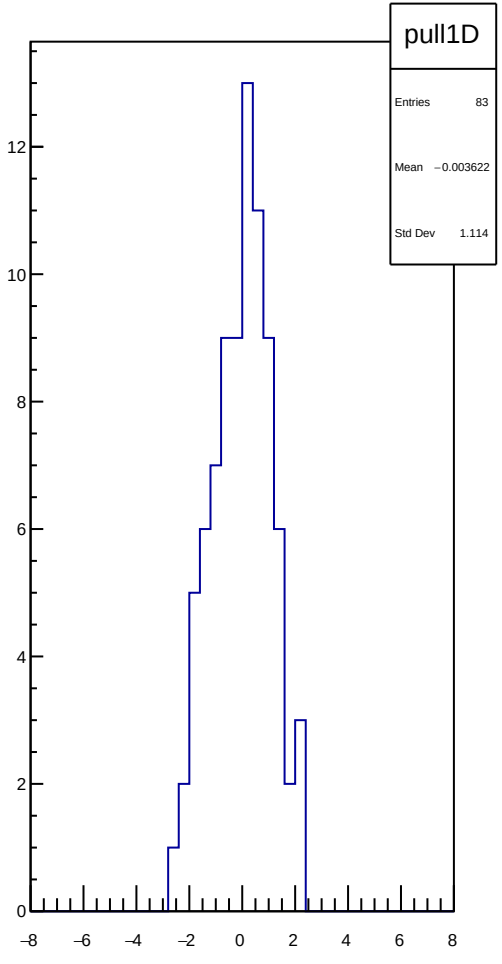

reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 9014 / 82
p0 98.52 ± 0.07812
120
115
110
105
100
95
90

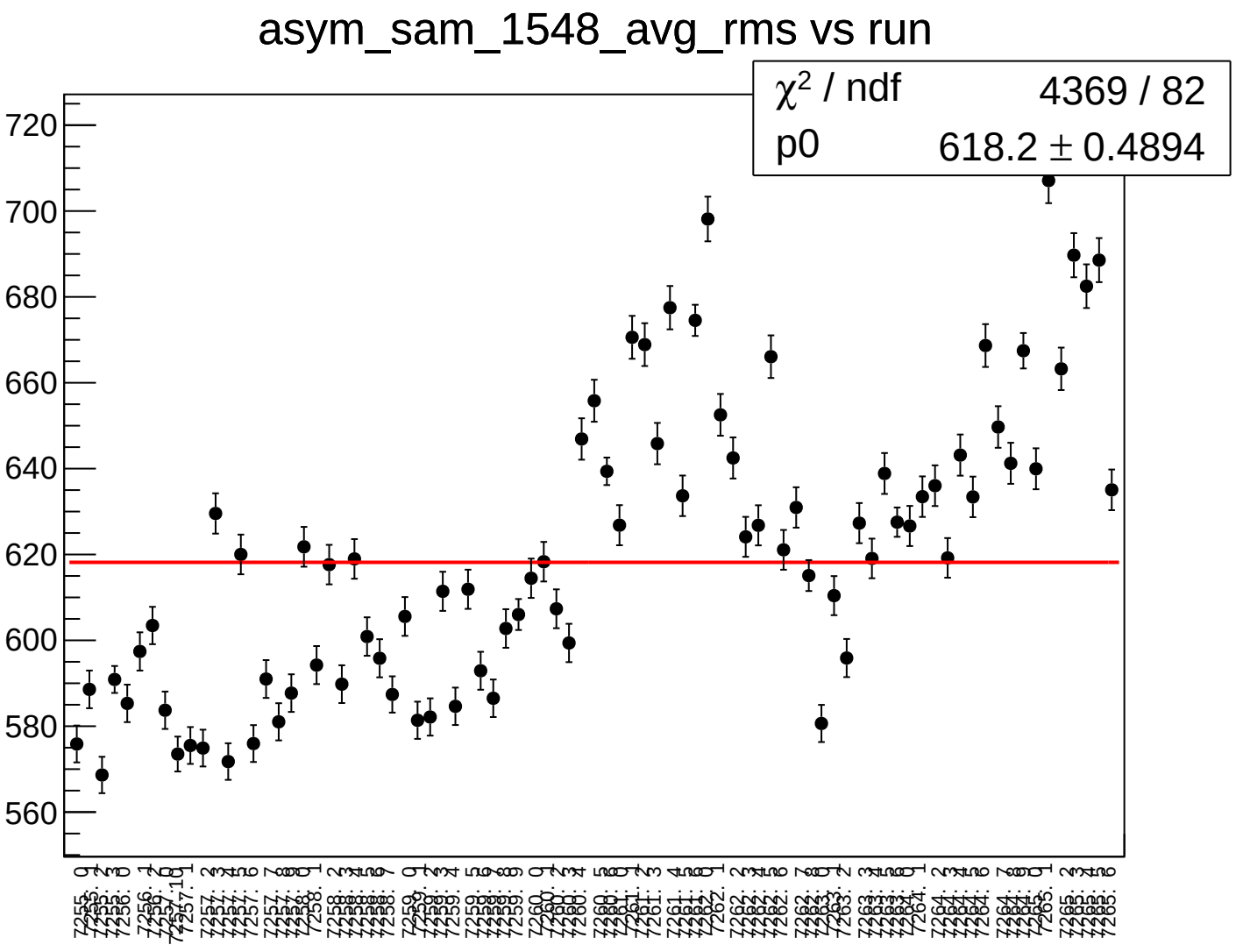

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 100.8 / 82
p0 −750.3 ± 683.2
pull
Entries 83
Mean 337.5
Std Dev 314.6

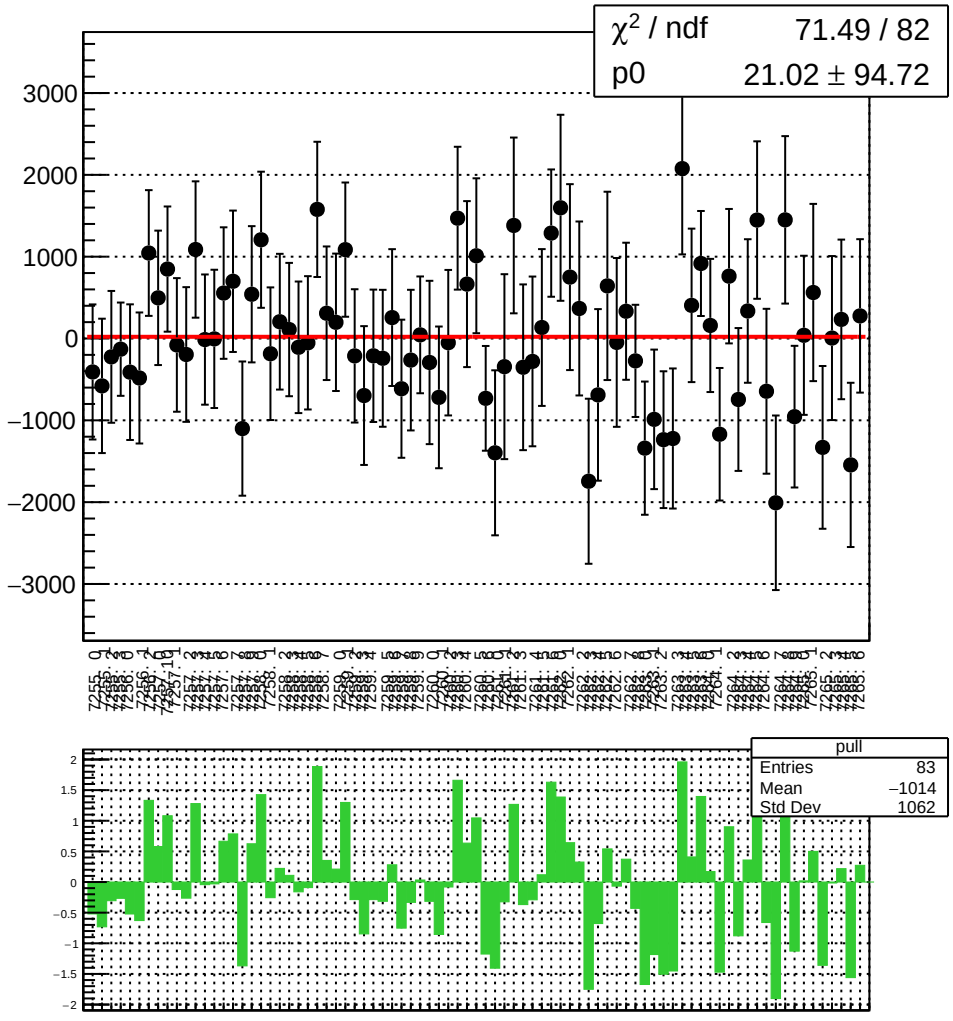

pull1D
Entries 83
Mean 0.00356
Std Dev 1.102

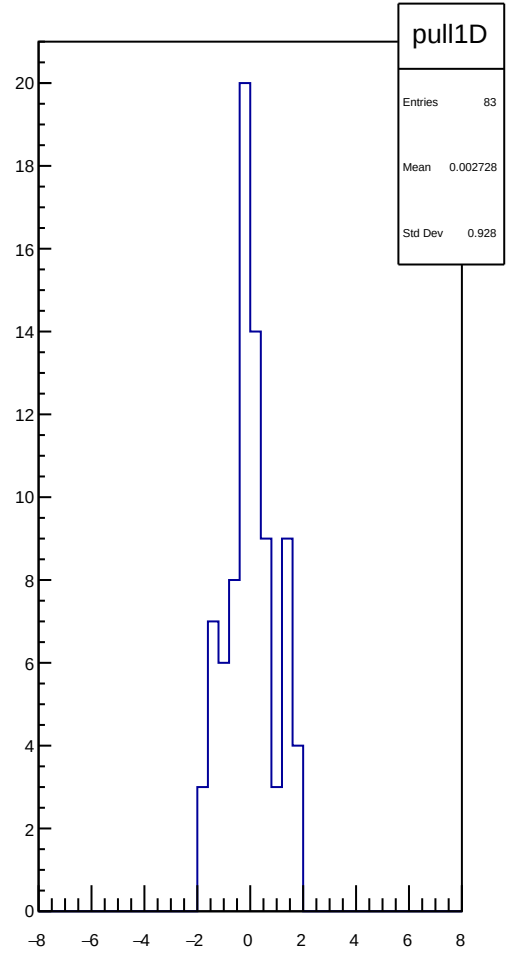

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 4325 / 82
p0 610.2 ± 0.4831
700
680
660
640
620
600
580
560

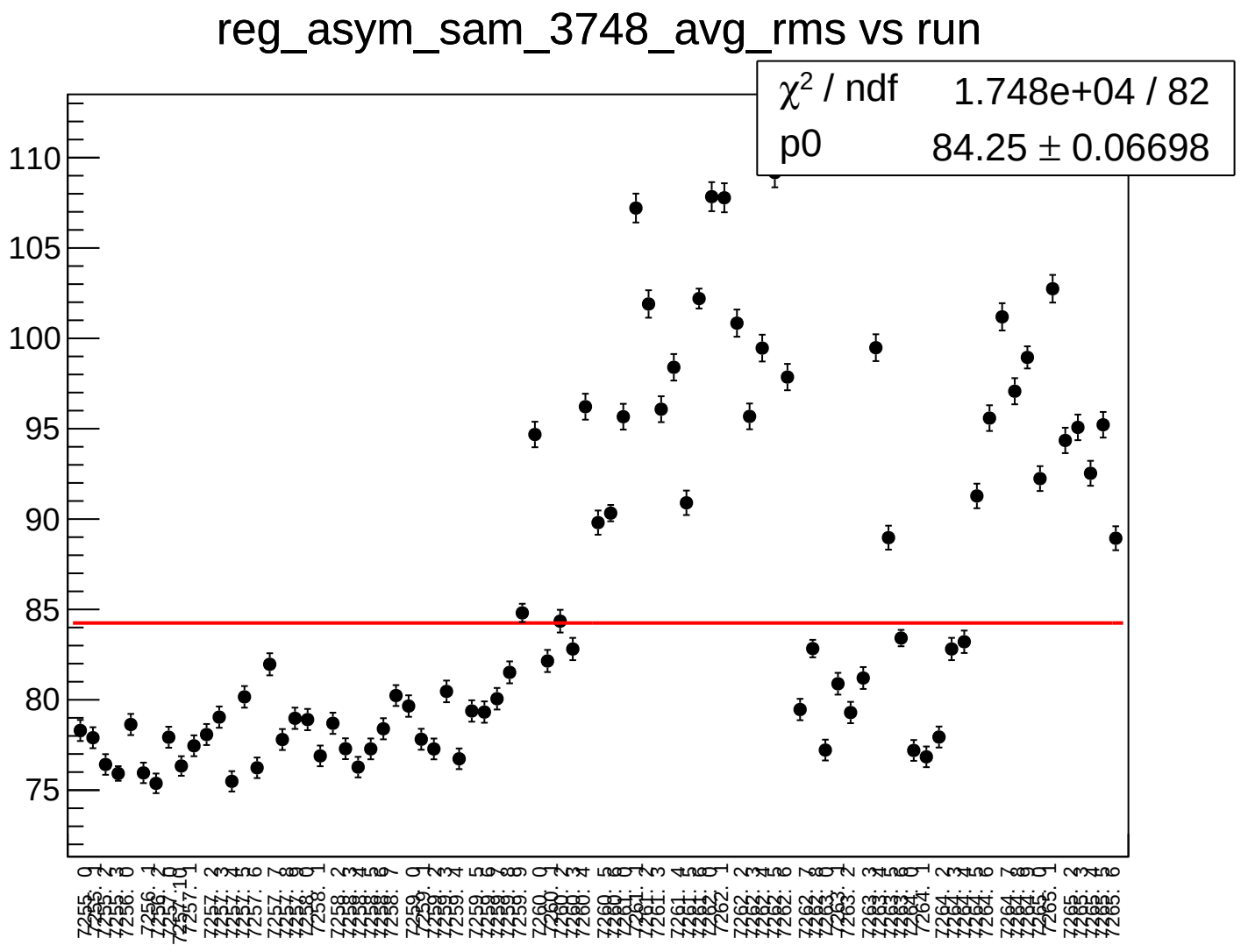

asym_sam_1548_avg_mean vs run
χ^2 / ndf 103 / 82
p0 876.6 ± 692.1
pull
Entries 83
Mean 492.5
Std Dev 461.1

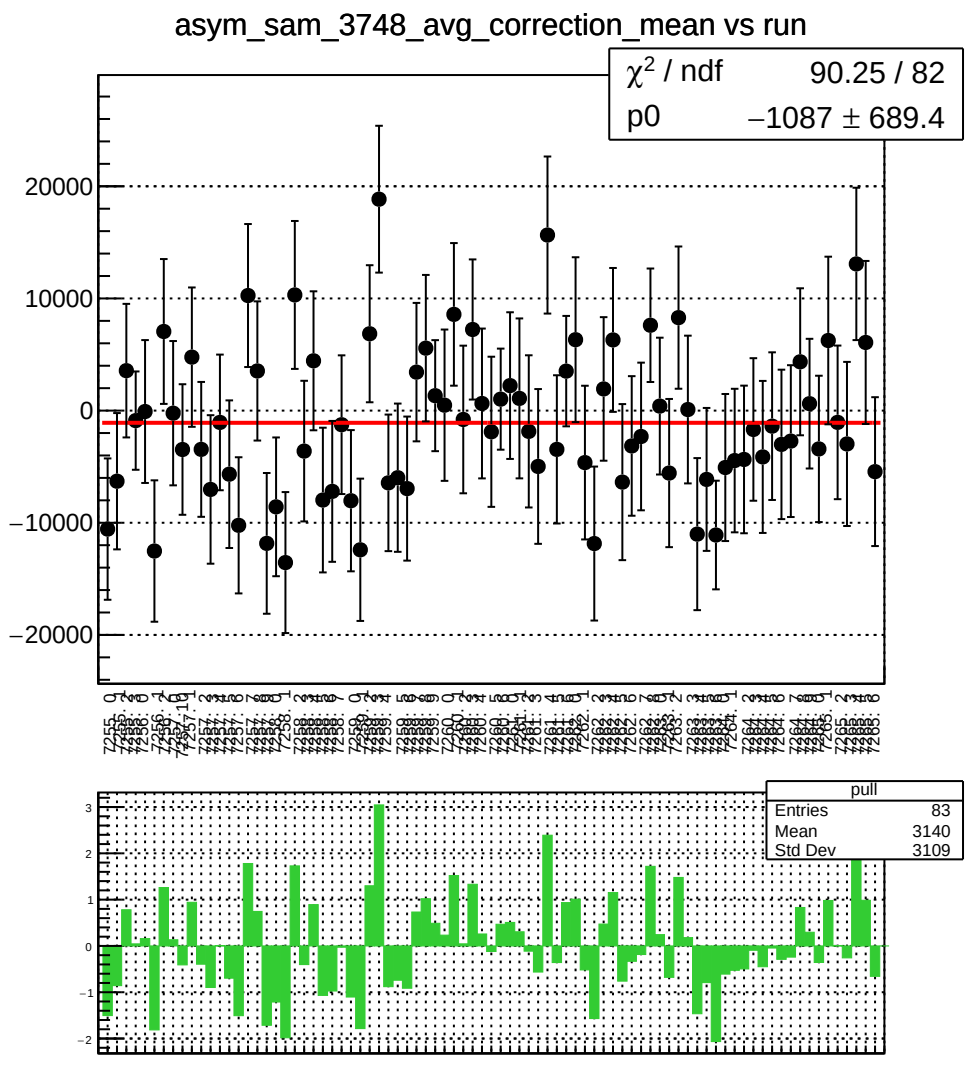

pull1D
Entries 83
Mean −0.003622
Std Dev 1.114

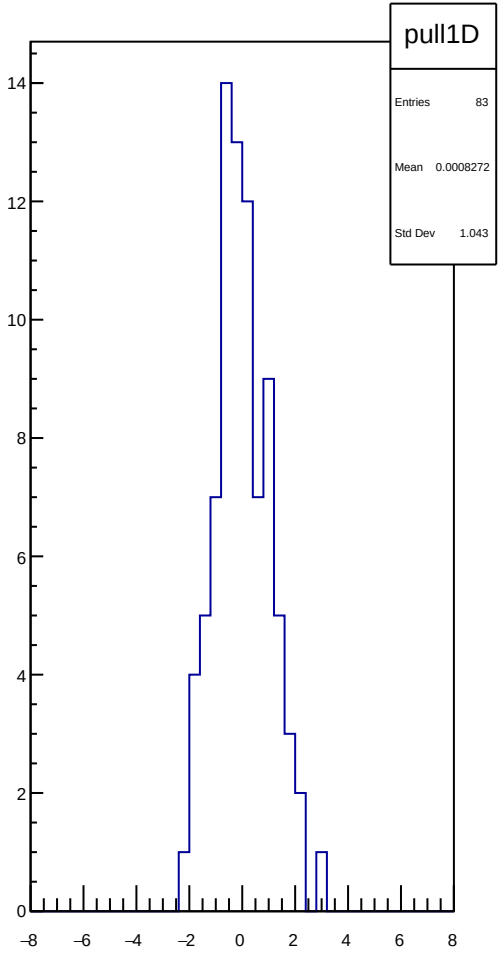

asym_sam_1548_avg_rms vs run
χ² / ndf 4369 / 82
p0 618.2 ± 0.4894
720
700
680
660
640
620
600
580
560

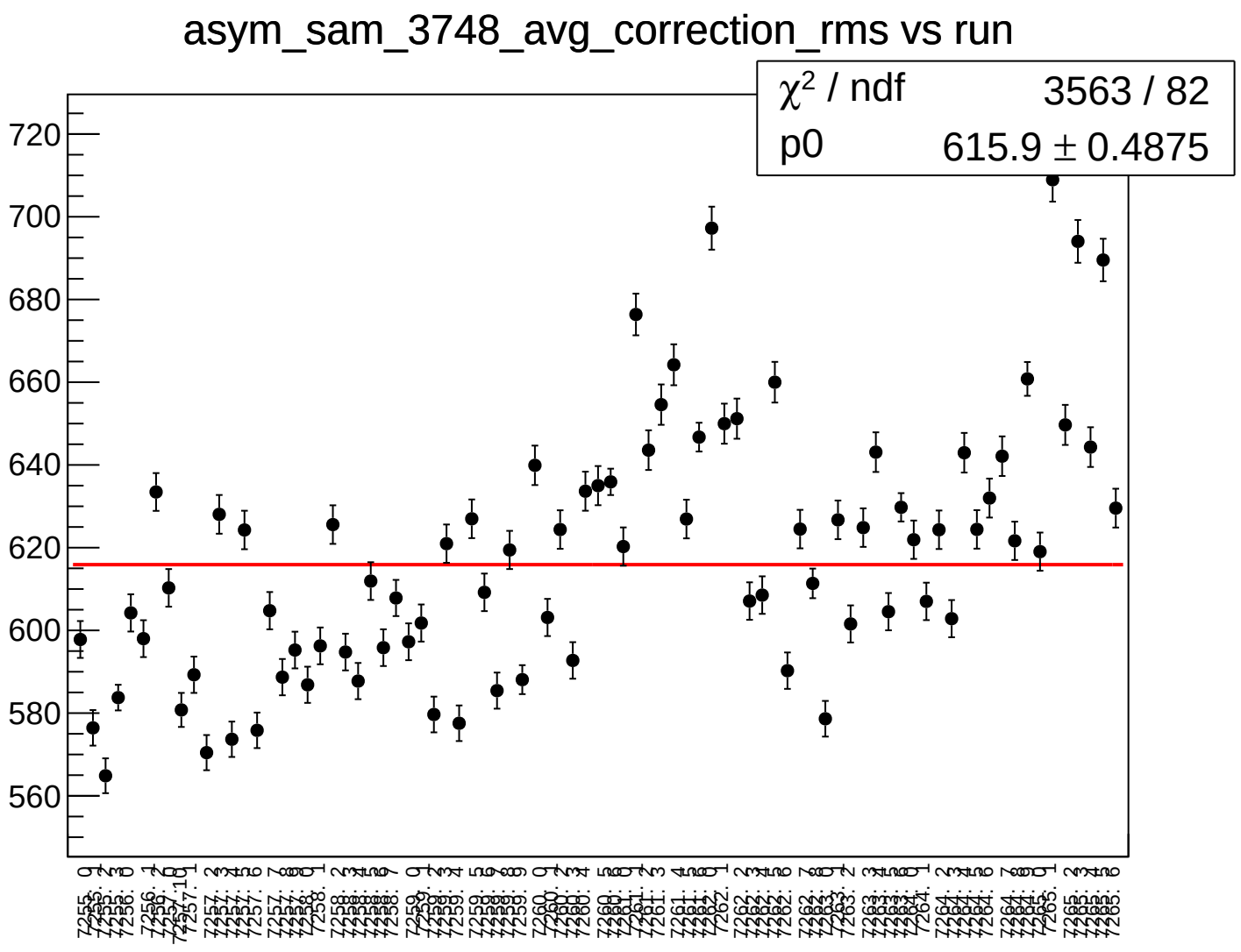

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 71.49 / 82
p0 21.02 ± 94.72
pull
Entries 83
Mean −1014
Std Dev 1062

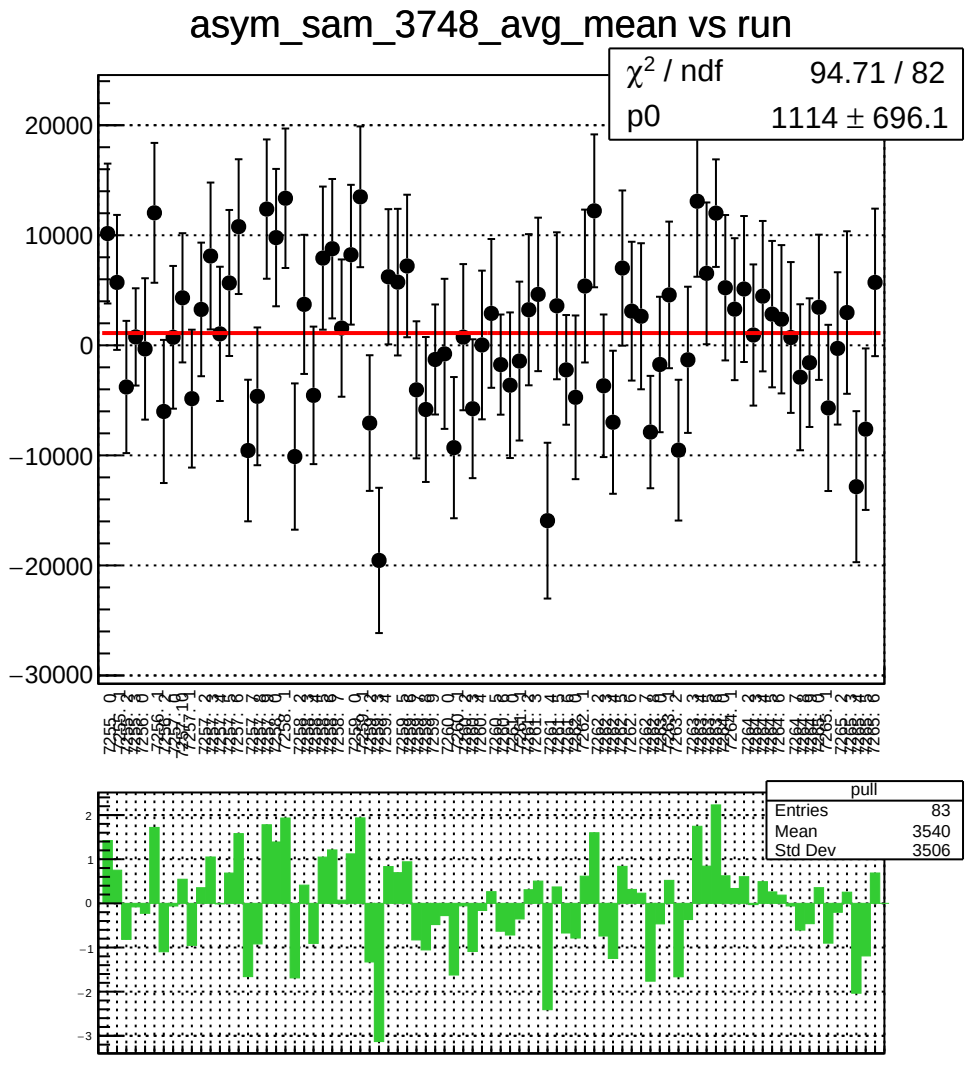

pull1D
Entries 83
Mean 0.002728
Std Dev 0.928

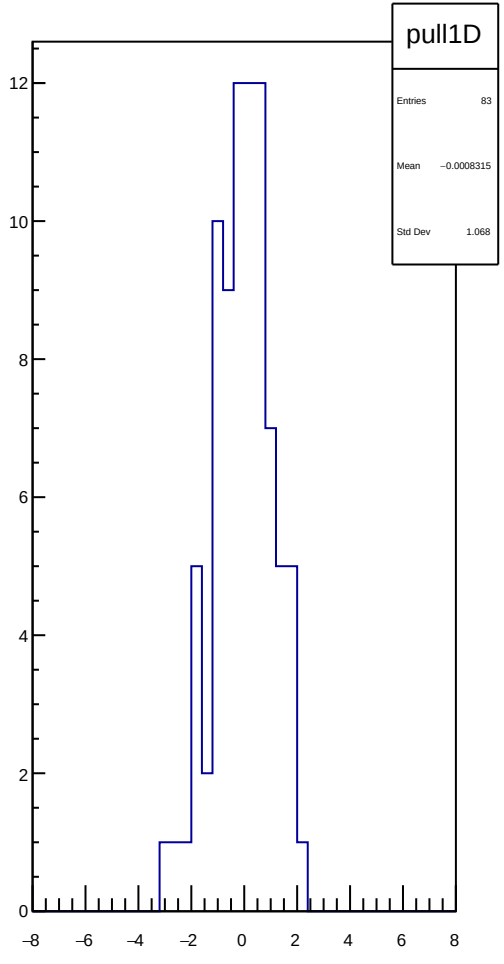

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1.748e+04 / 82
p0 84.25 ± 0.06698
110
105
100
95
90
85
80
75

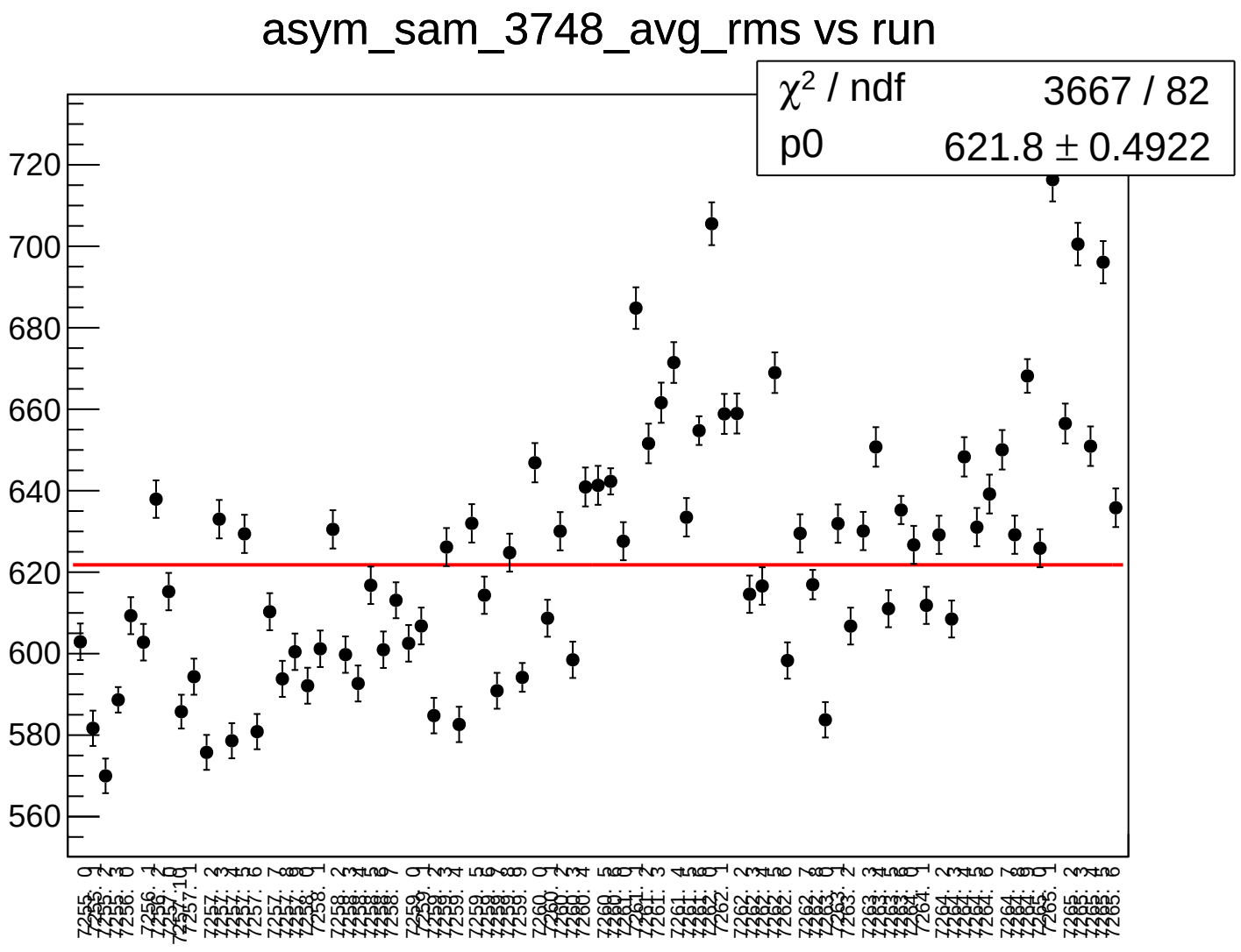

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 90.25 / 82
p0 −1087 ± 689.4
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 3140
Std Dev 3109
3
2
1
0
−1
−2

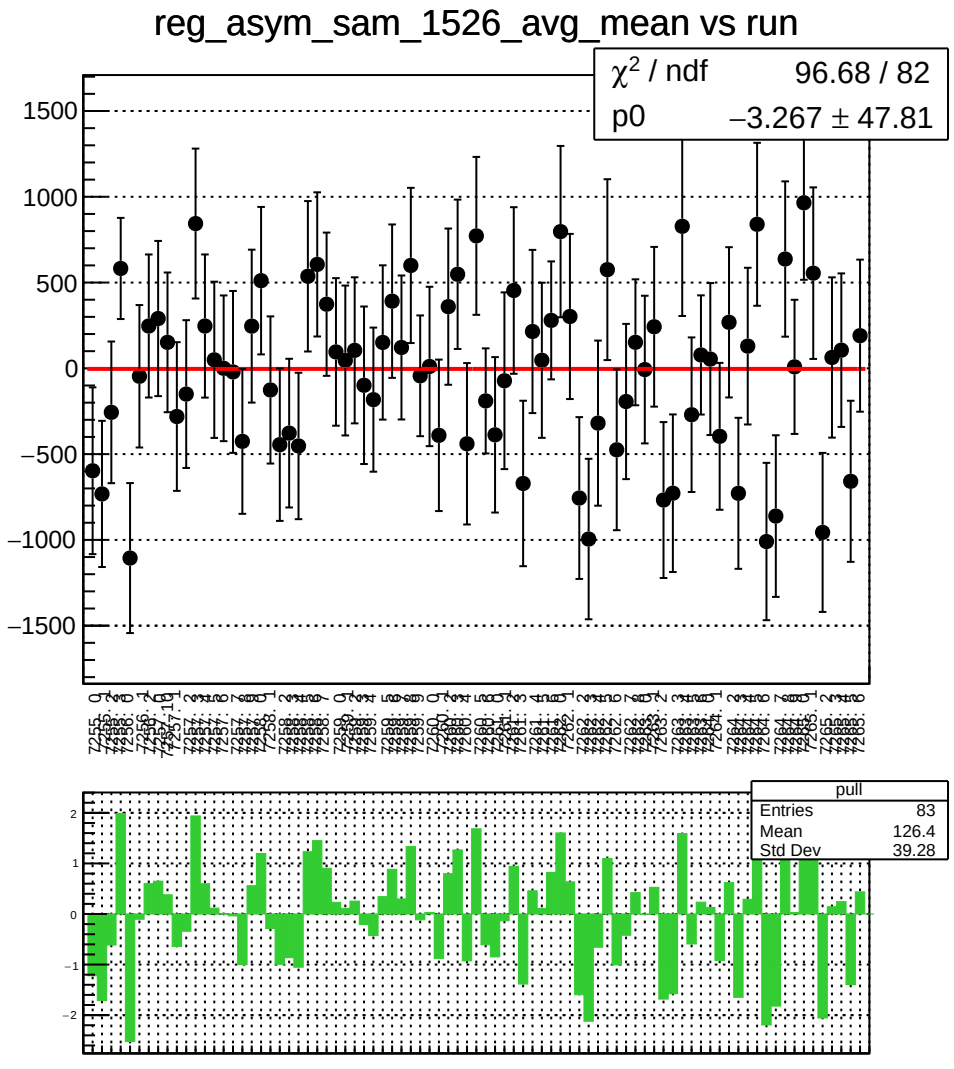

pull1D
Entries 83
Mean 0.0008272
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

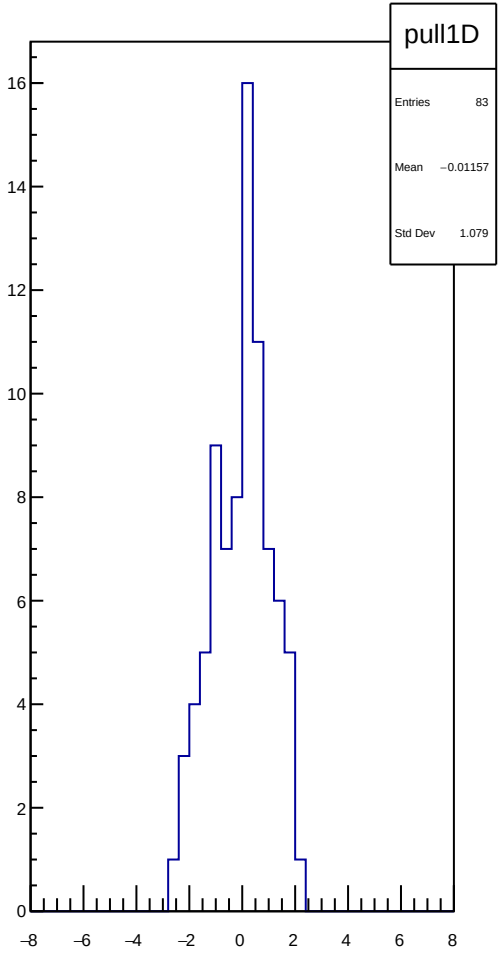

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3563 / 82
p0 615.9 ± 0.4875
720
700
680
660
640
620
600
580
560

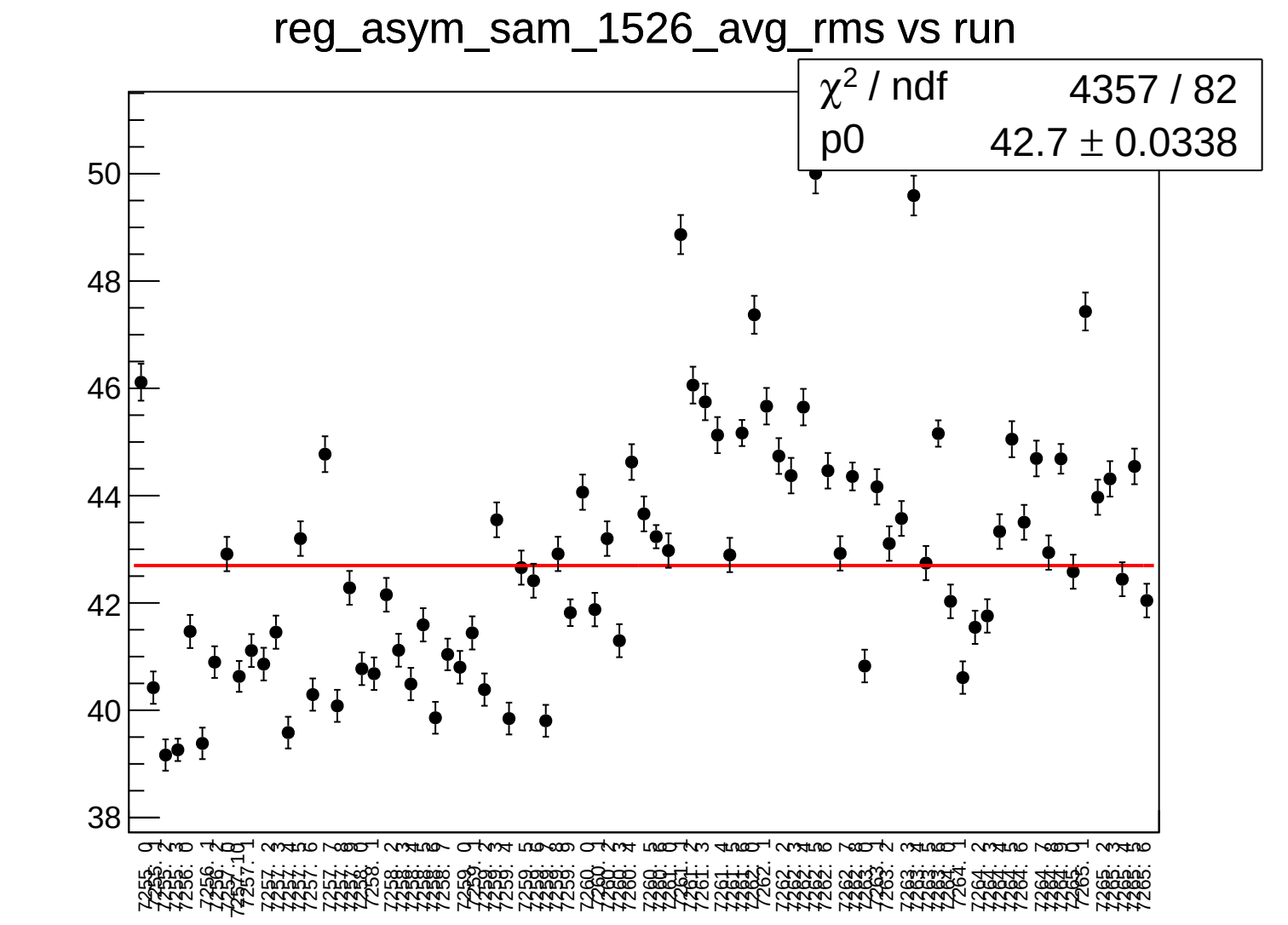

asym_sam_3748_avg_mean vs run
χ² / ndf 94.71 / 82
p0 1114 ± 696.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 3540
Std Dev 3506
2
1
0
−1
−2
−3

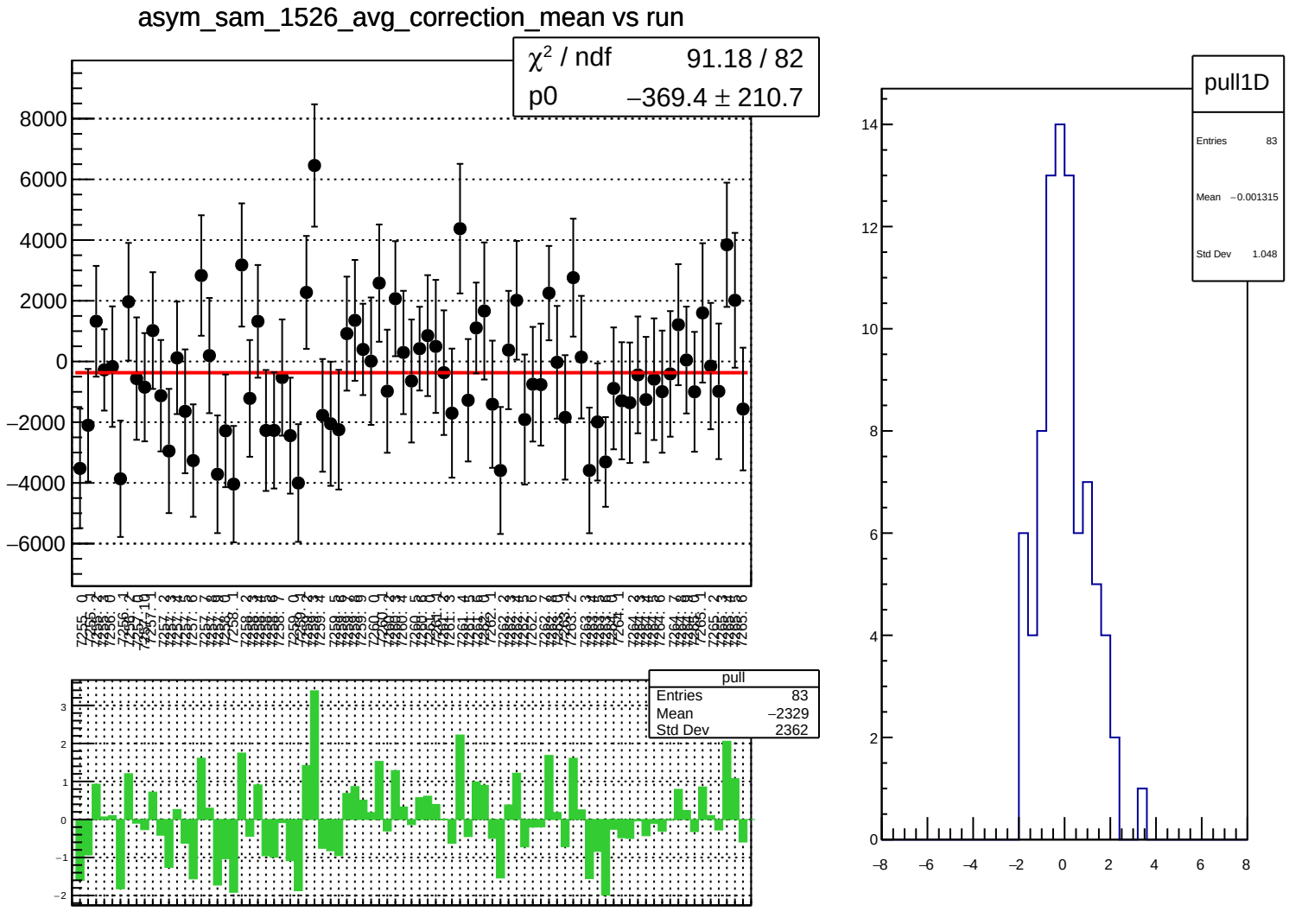

pull1D
Entries 83
Mean −0.0008315
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

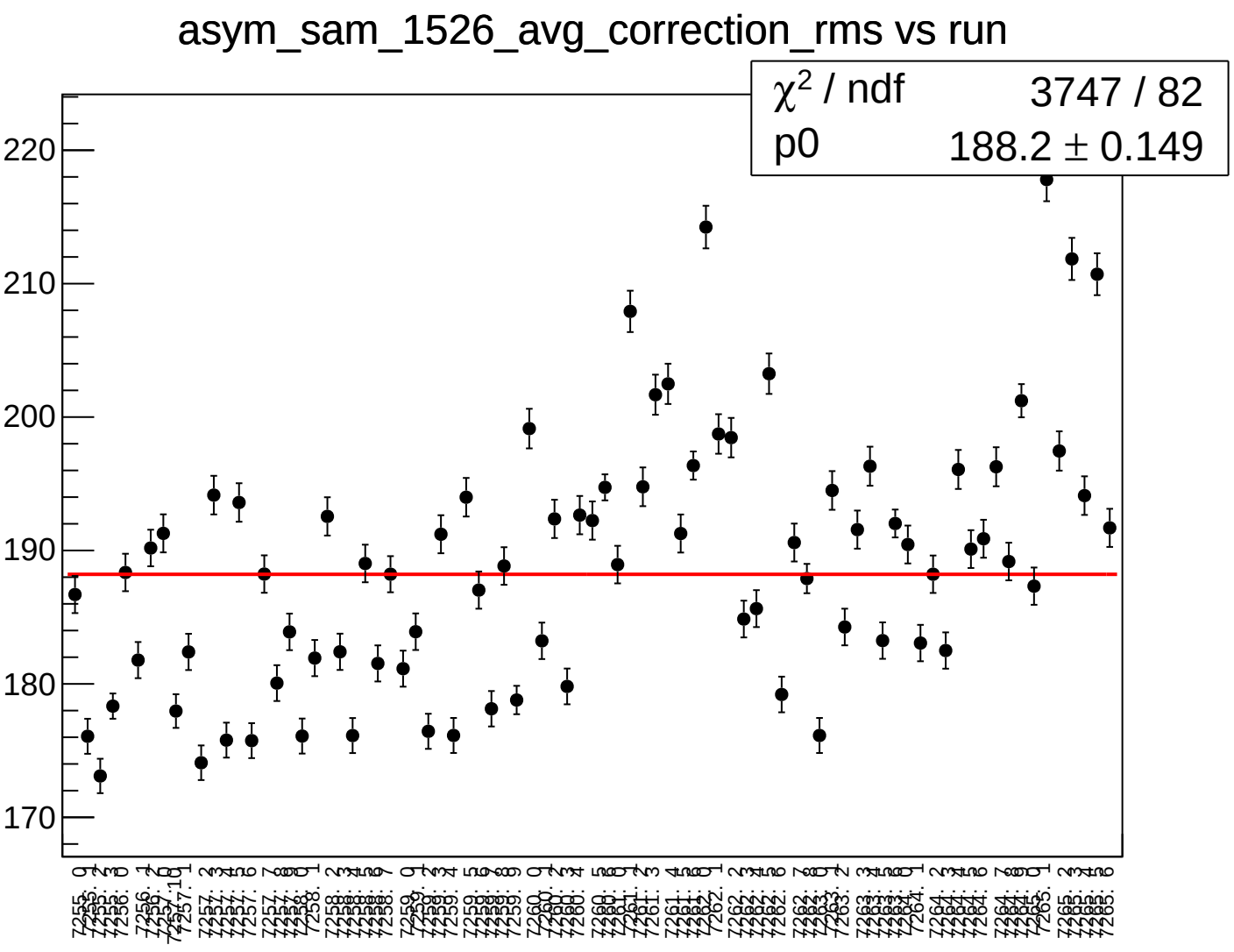

asym_sam_3748_avg_rms vs run
χ² / ndf 3667 / 82
p0 621.8 ± 0.4922
720
700
680
660
640
620
600
580
560

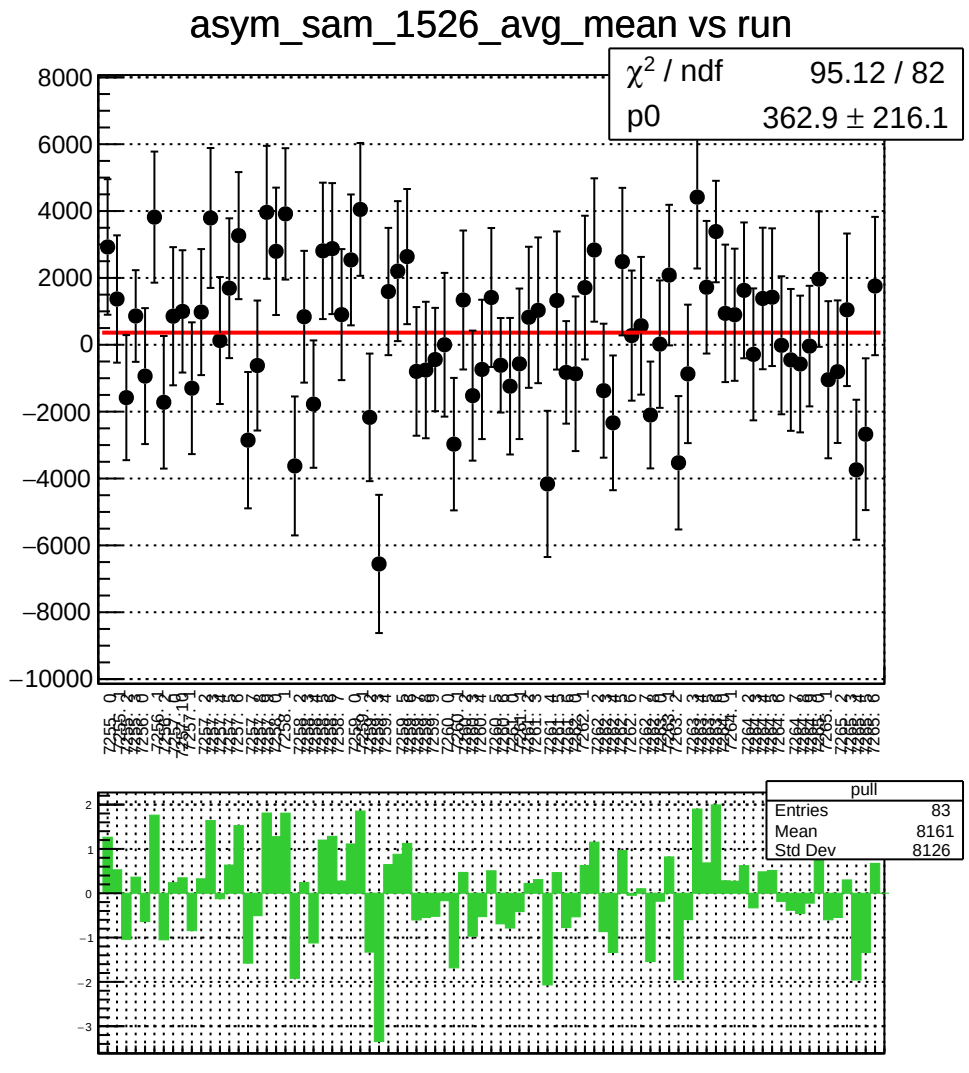

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 96.68 / 82
p0 −3.267 ± 47.81
pull
Entries 83
Mean 126.4
Std Dev 39.28

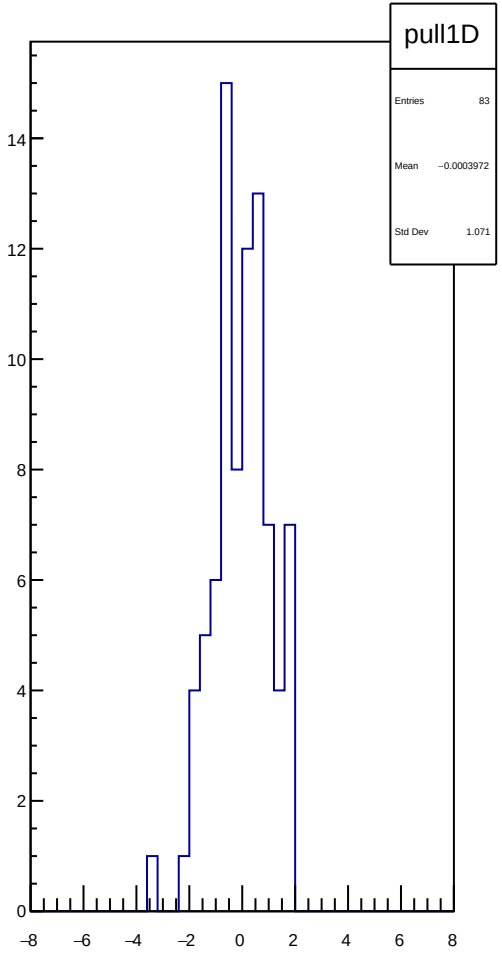

pull1D
Entries 83
Mean −0.01157
Std Dev 1.079

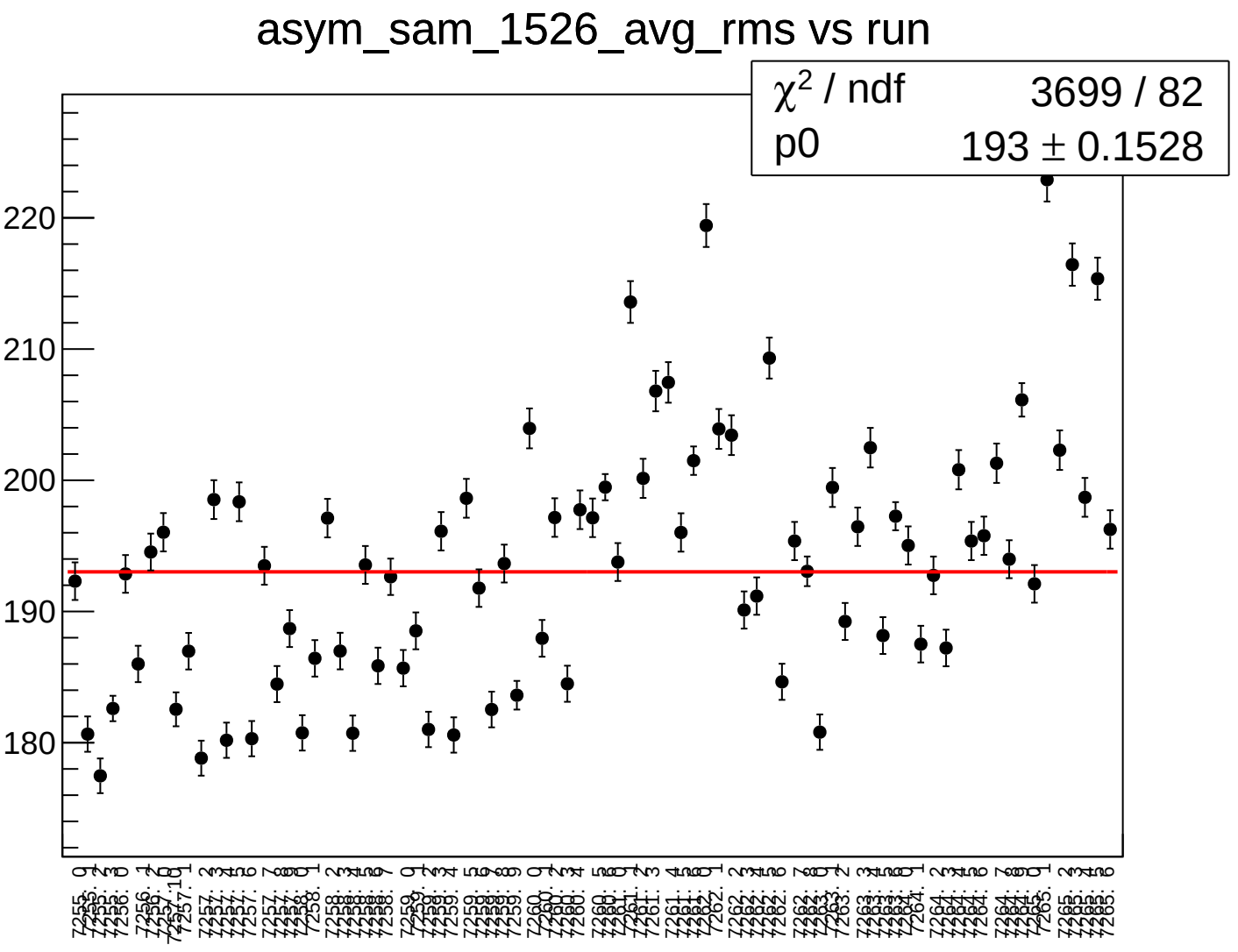

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 4357 / 82
p0 42.7 ± 0.0338
50
48
46
44
42
40
38

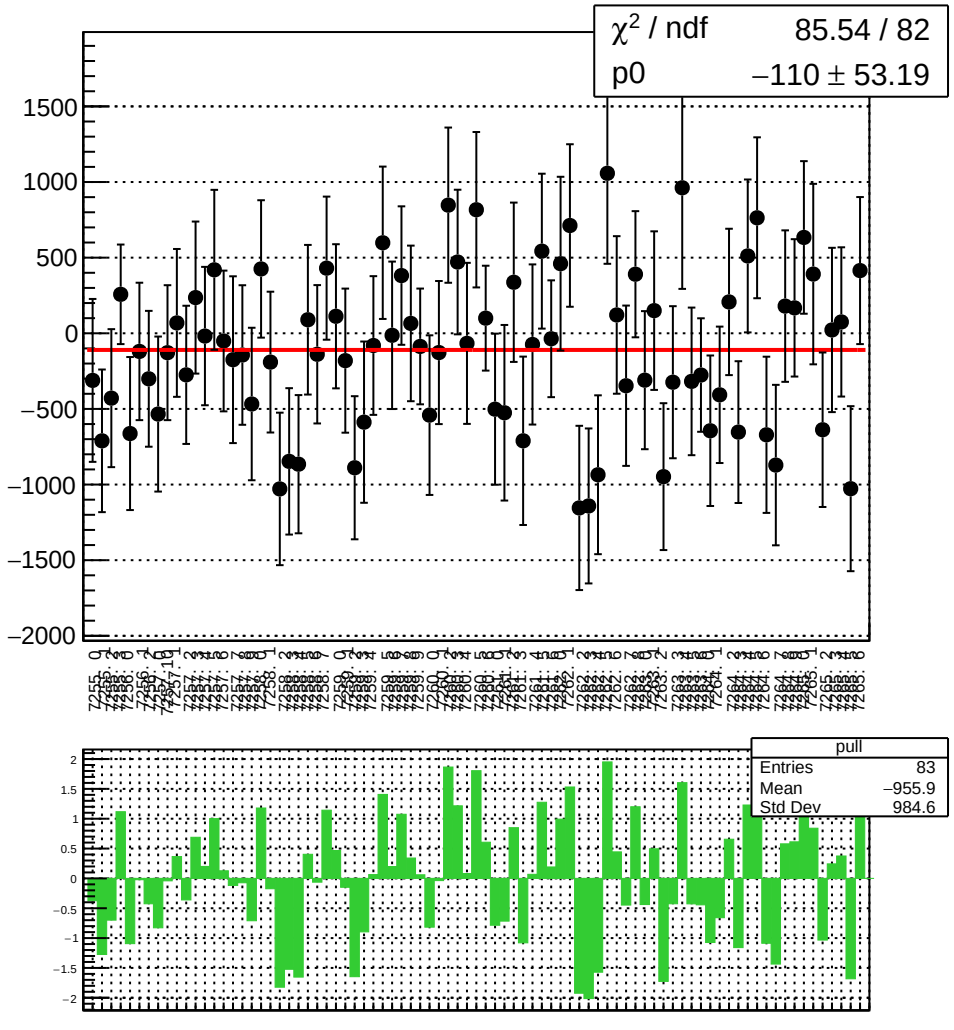

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 91.18 / 82
p0 −369.4 ± 210.7
pull
Entries 83
Mean −2329
Std Dev 2362
pull1D
Entries 83
Mean −0.001315
Std Dev 1.048

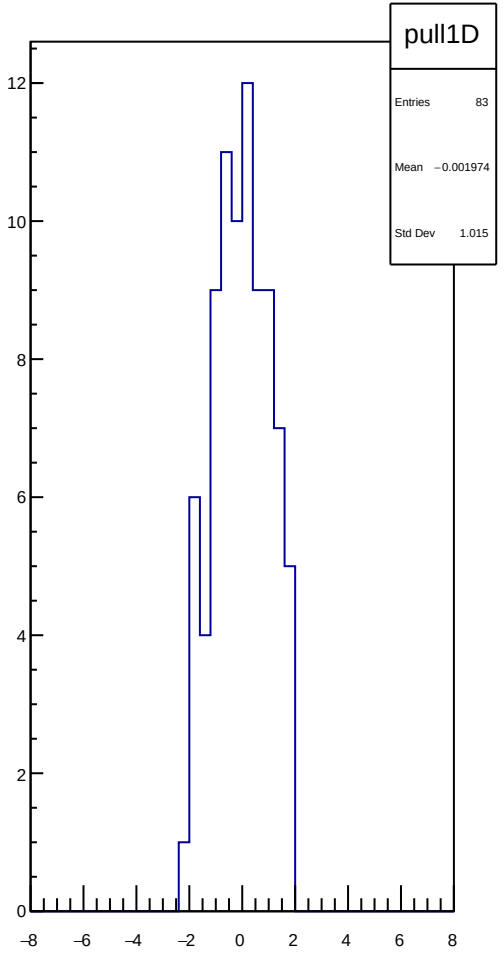

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 3747 / 82
p0 188.2 ± 0.149
220
210
200
190
180
170

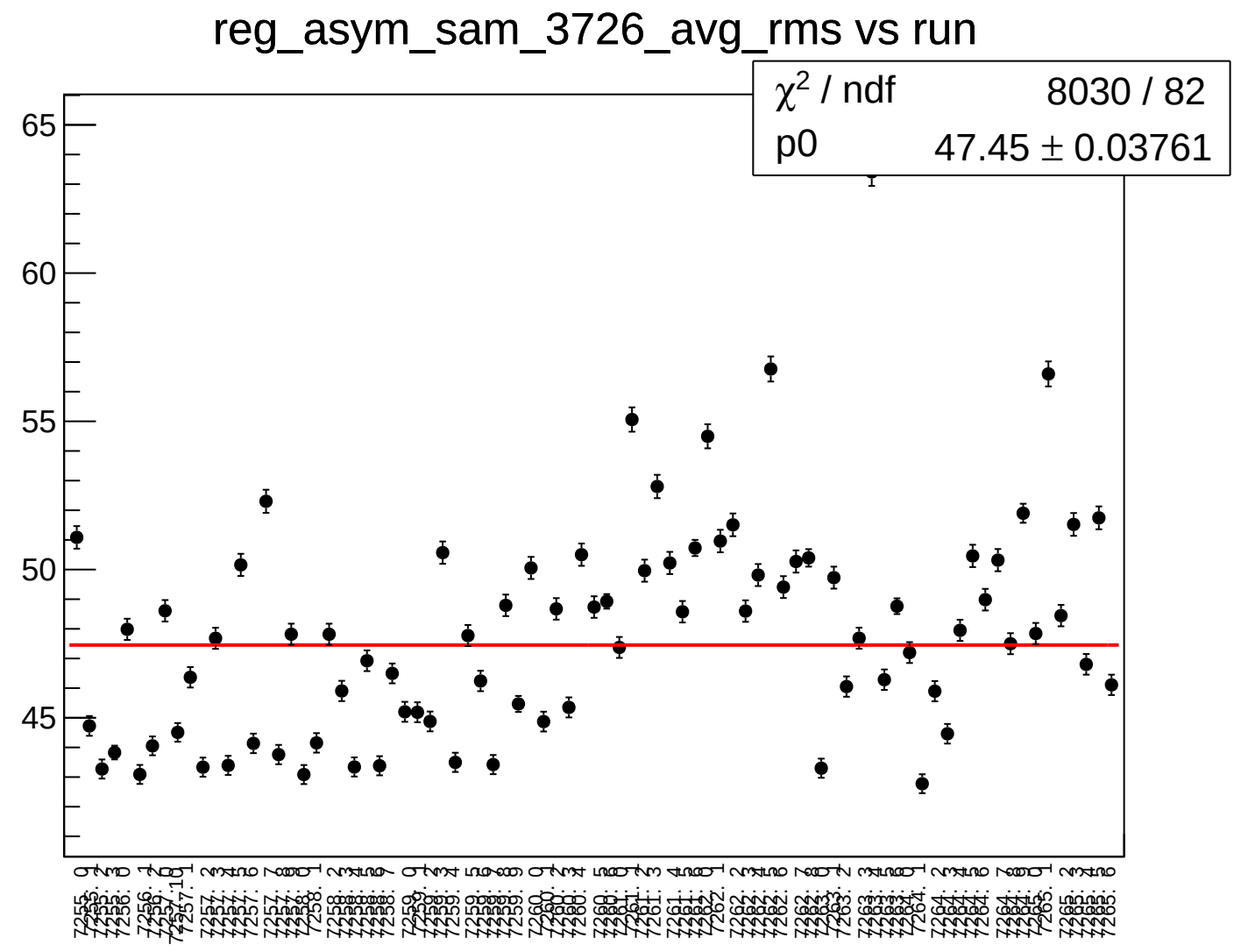

asym_sam_1526_avg_mean vs run
χ² / ndf 95.12 / 82
p0 362.9 ± 216.1
pull
Entries 83
Mean 8161
Std Dev 8126

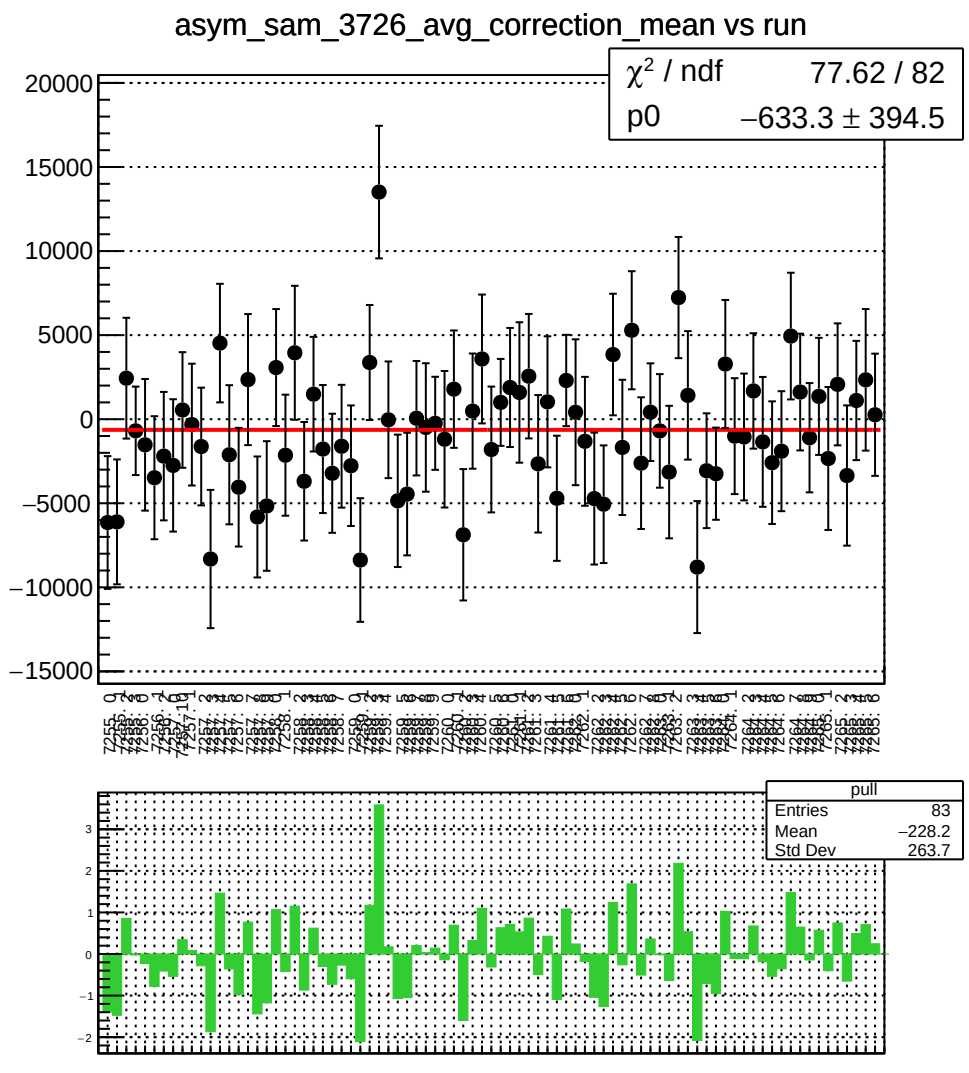

pull1D
Entries 83
Mean −0.0003972
Std Dev 1.071

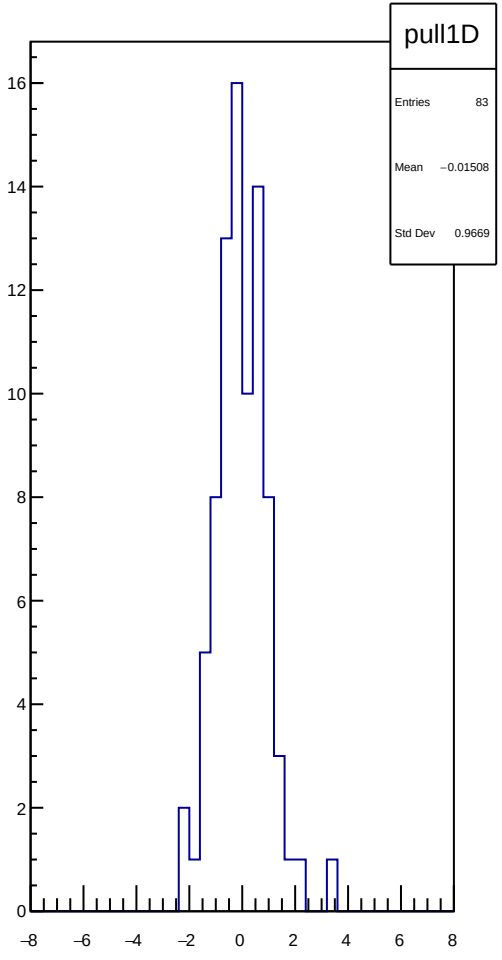

asym_sam_1526_avg_rms vs run
χ^2 / ndf 3699 / 82
p0 193 ± 0.1528
220
210
200
190
180

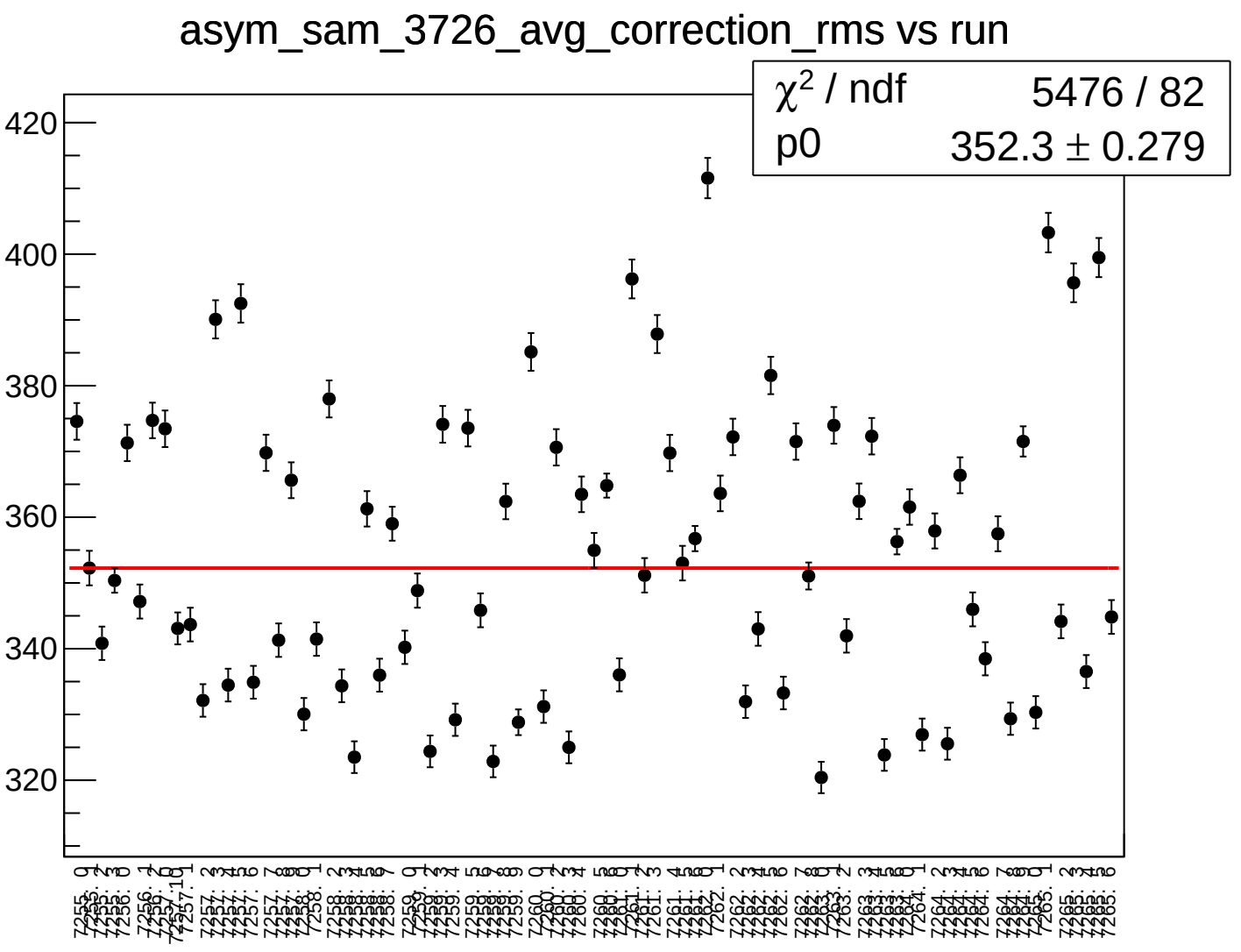

reg_asym_sam_3726_avg_mean vs run
χ^2 / ndf 85.54 / 82
p0 −110 ± 53.19
pull
Entries 83
Mean −955.9
Std Dev 984.6

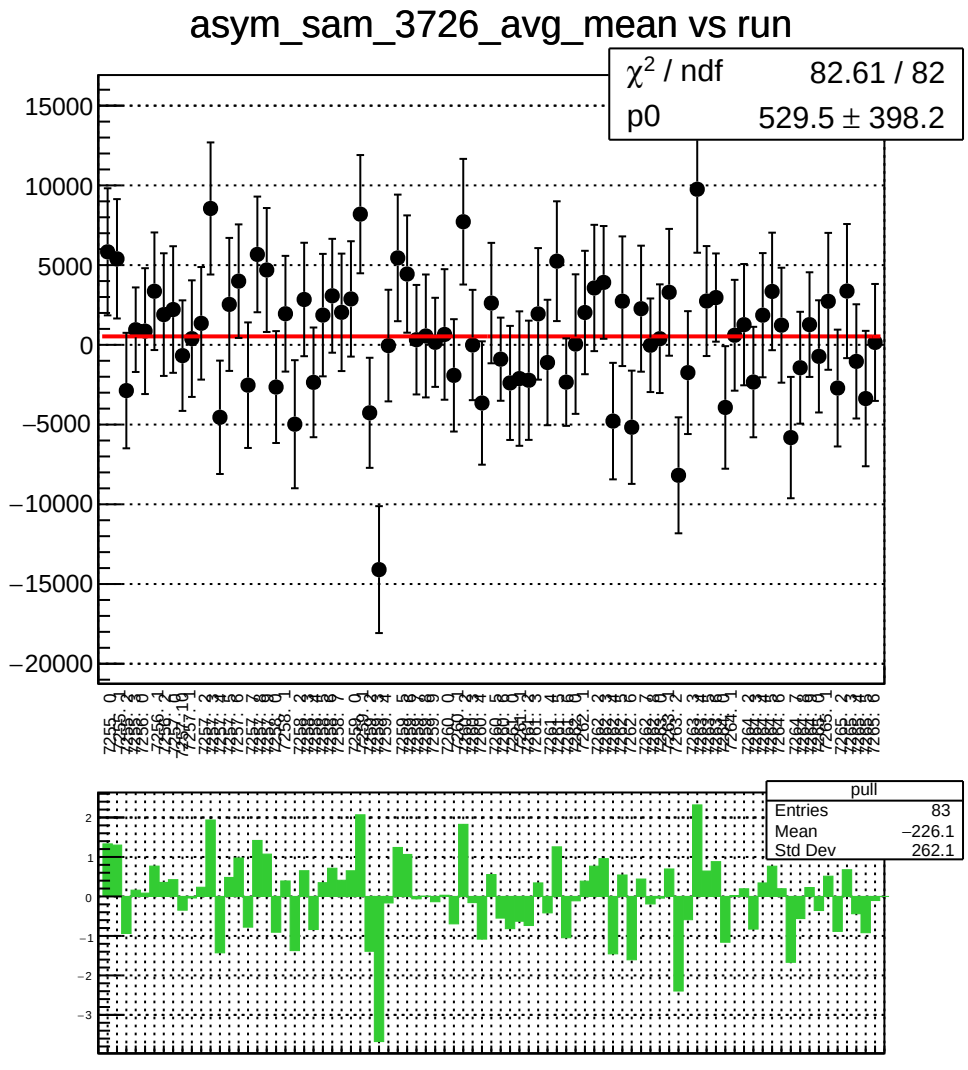

pull1D
Entries 83
Mean −0.001974
Std Dev 1.015

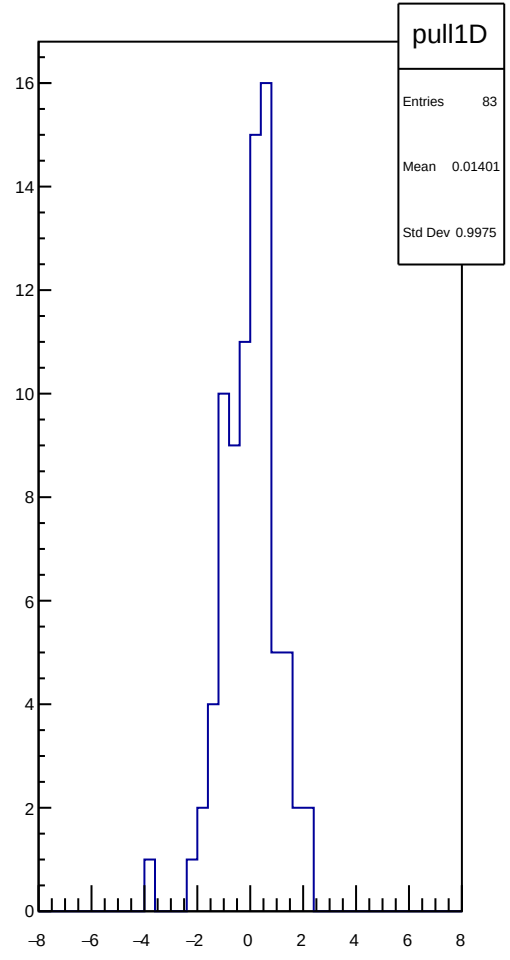

reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 8030 / 82
p0 47.45 ± 0.03761
65
60
55
50
45

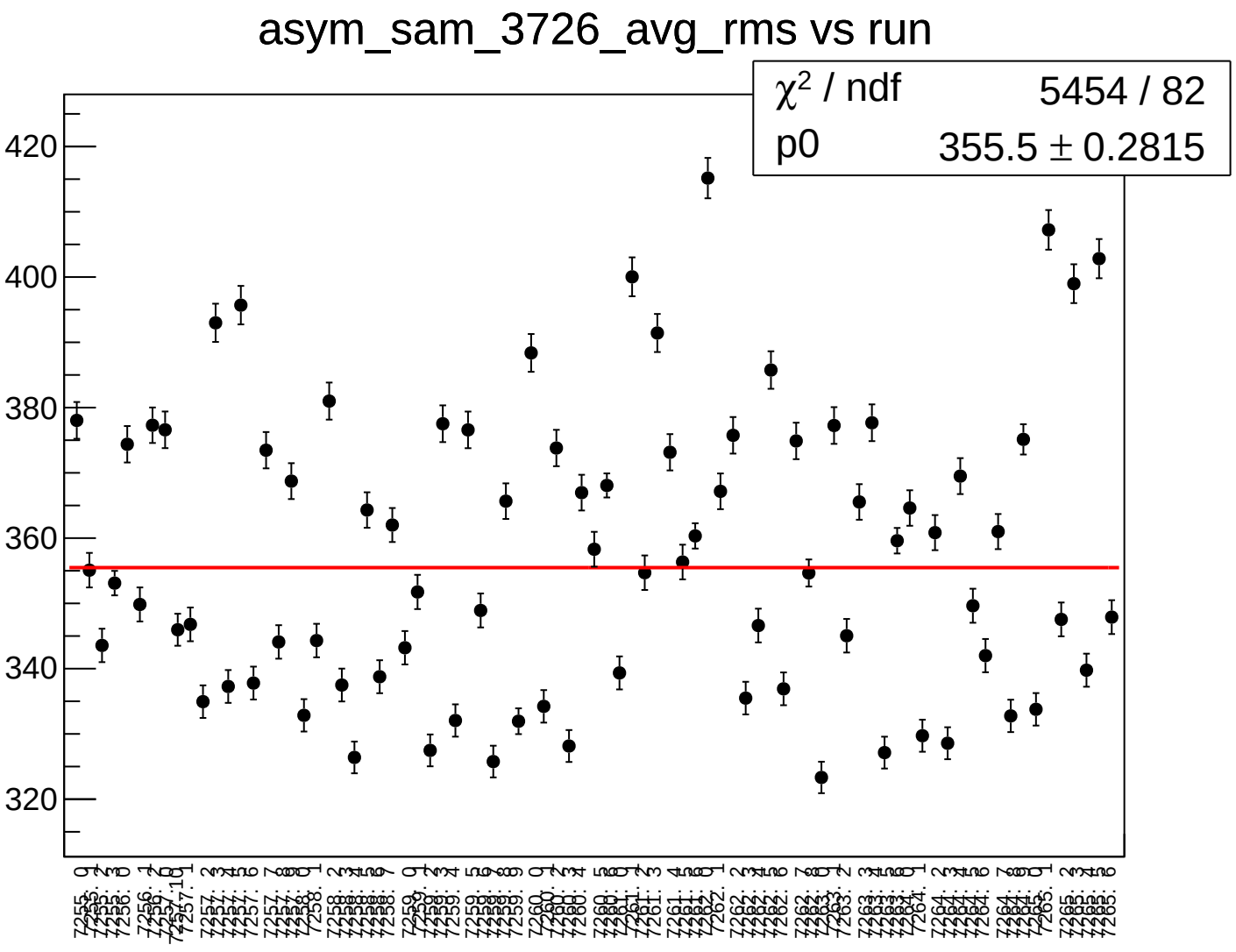

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 77.62 / 82
p0 −633.3 ± 394.5
pull
Entries 83
Mean −228.2
Std Dev 263.7

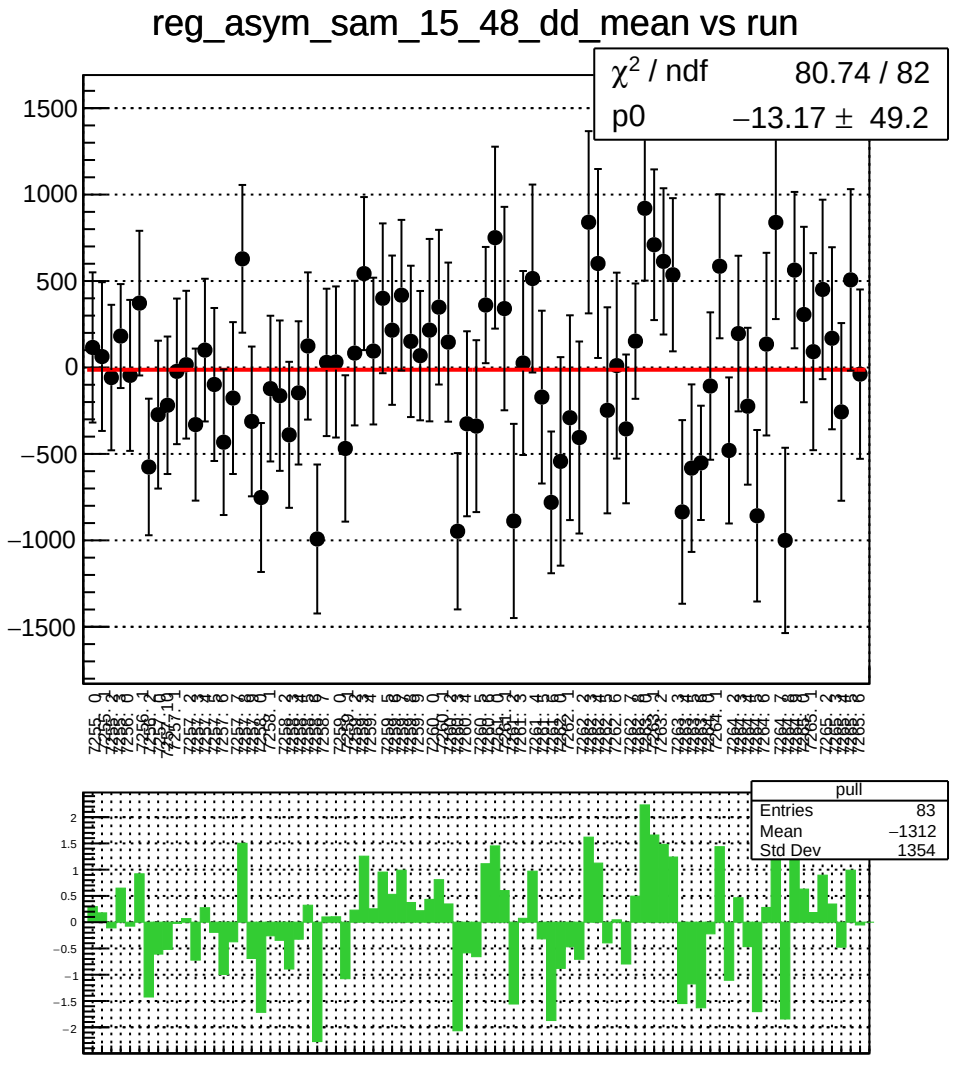

pull1D
Entries 83
Mean −0.01508
Std Dev 0.9669

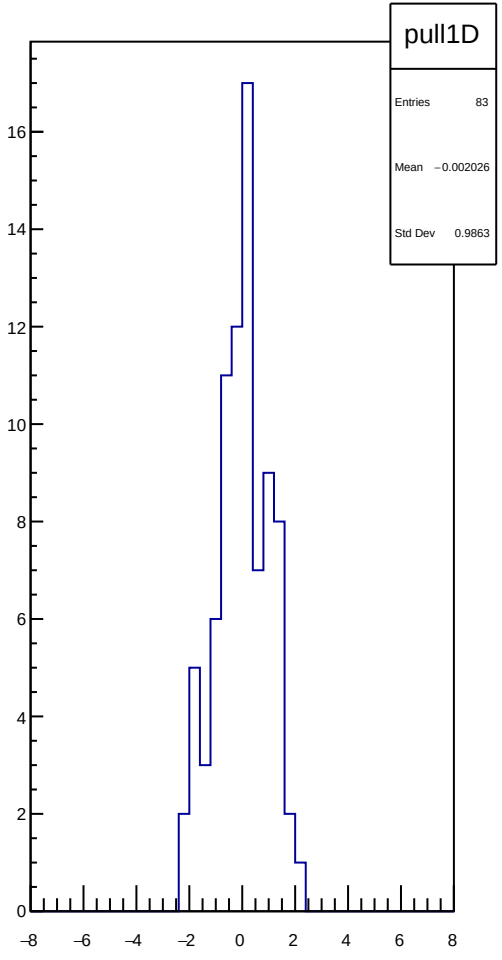

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 5476 / 82
p0 352.3 ± 0.279
420
400
380
360
340
320


asym_sam_3726_avg_mean vs run
χ² / ndf 82.61 / 82
p0 529.5 ± 398.2
pull
Entries 83
Mean −226.1
Std Dev 262.1

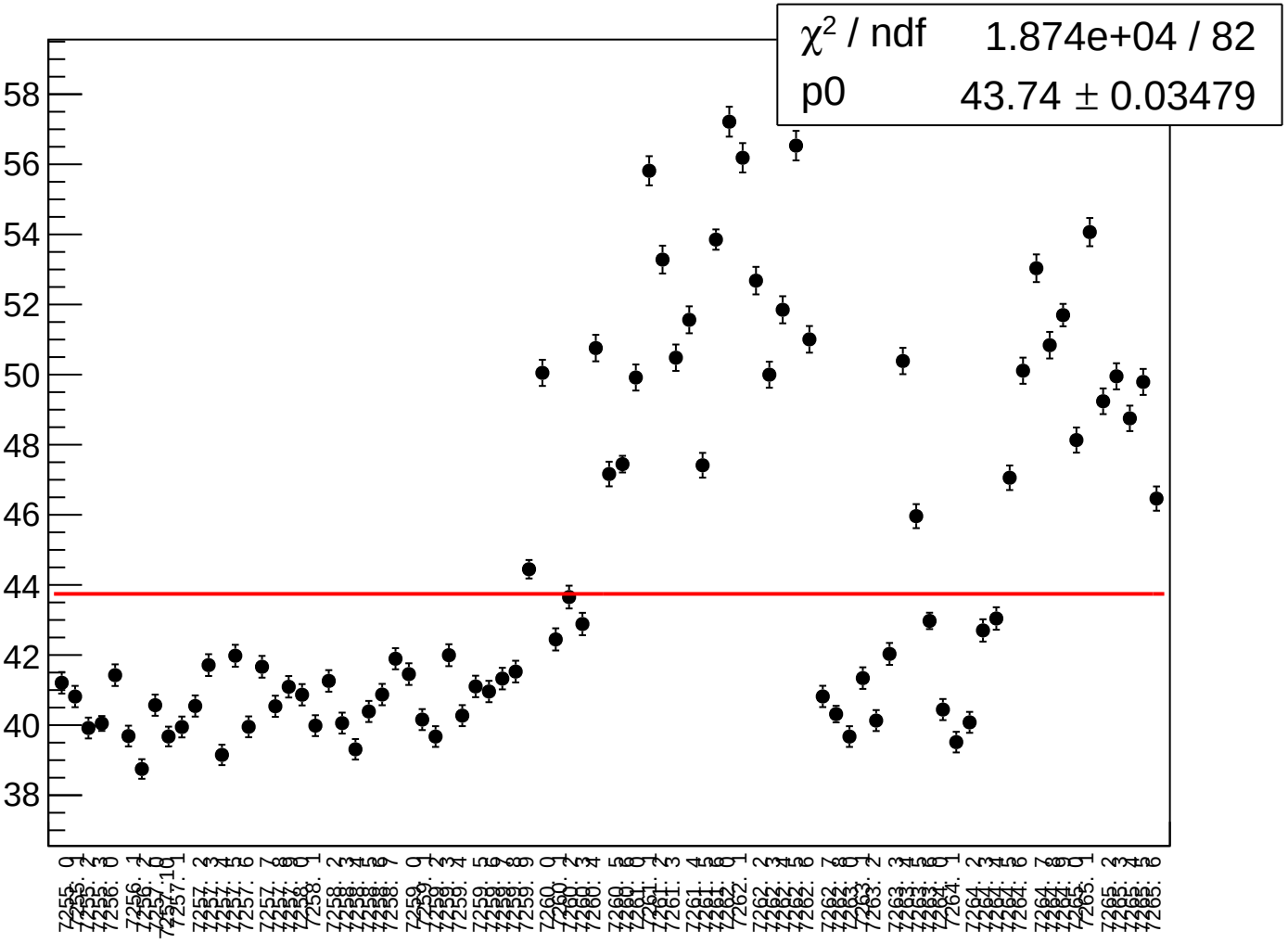

pull1D
Entries 83
Mean 0.01401
Std Dev 0.9975

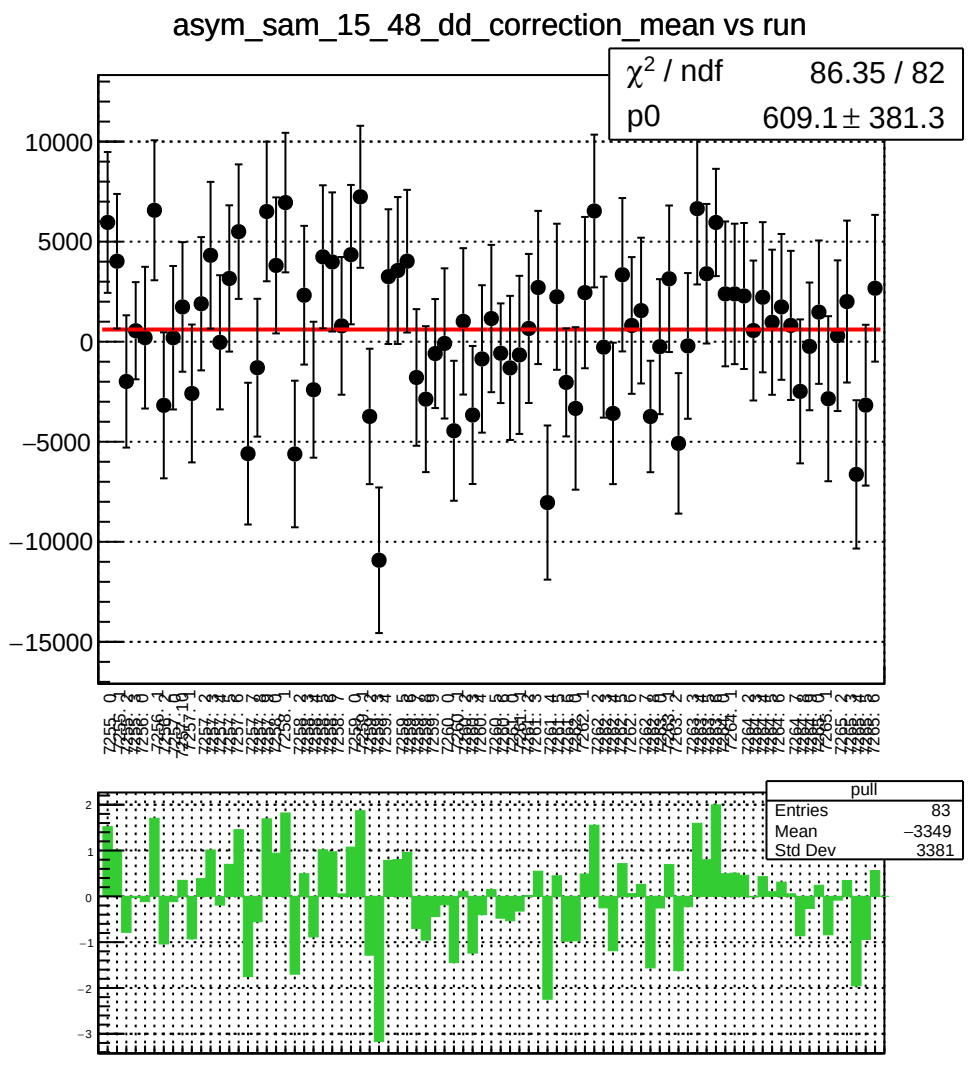

asym_sam_3726_avg_rms vs run
χ² / ndf 5454 / 82
p0 355.5 ± 0.2815
420
400
380
360
340
320

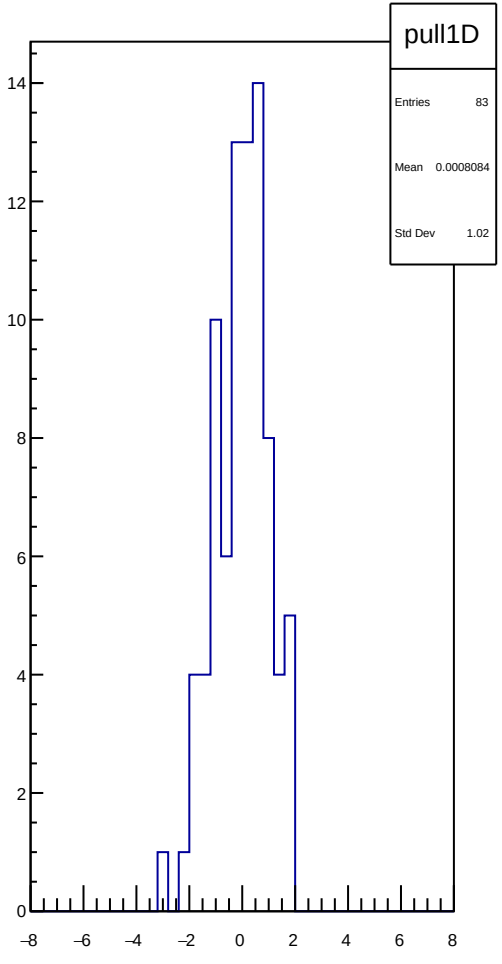

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 80.74 / 82
p0 −13.17 ± 49.2
pull
Entries 83
Mean −1312
Std Dev 1354

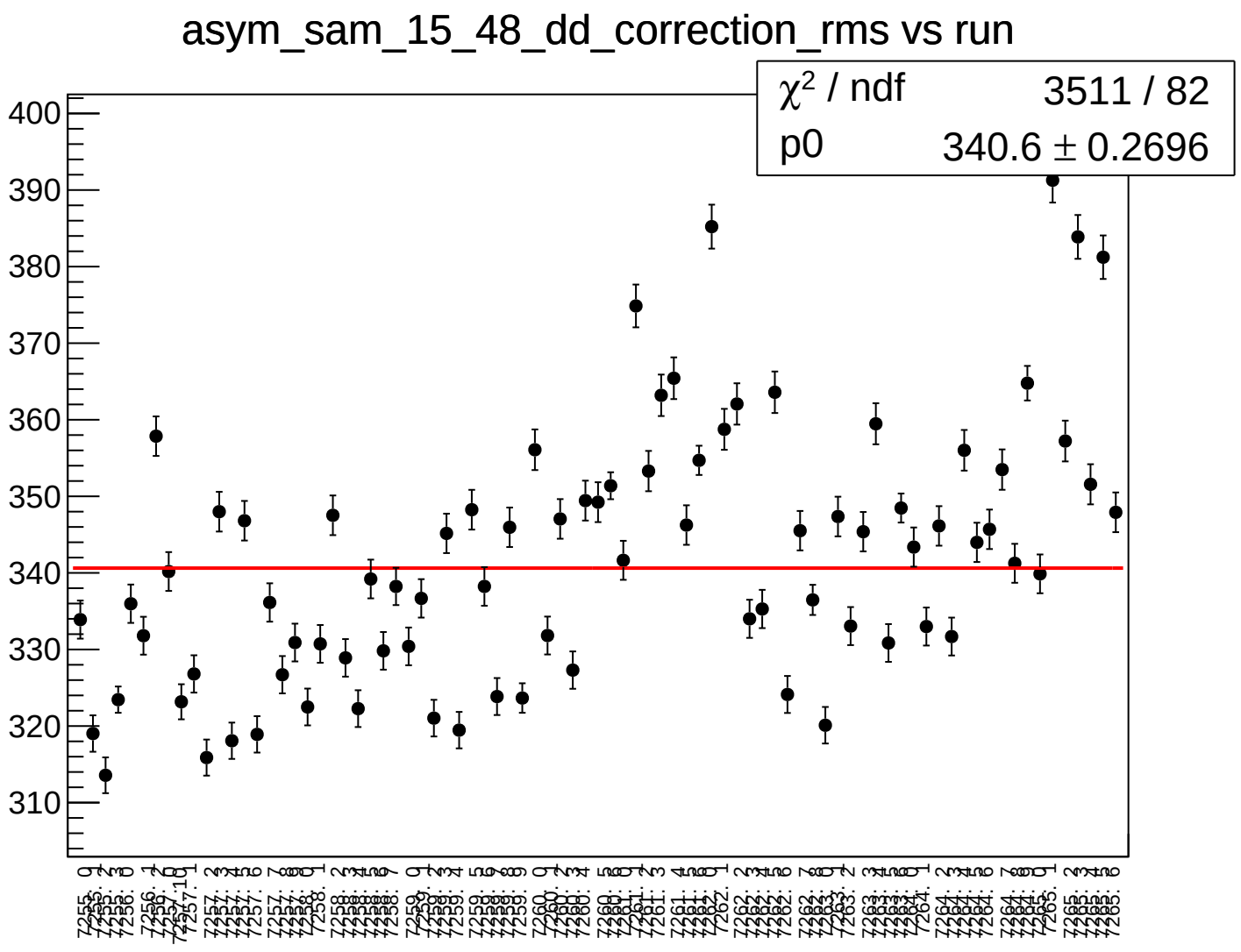

pull1D
Entries 83
Mean −0.002026
Std Dev 0.9863

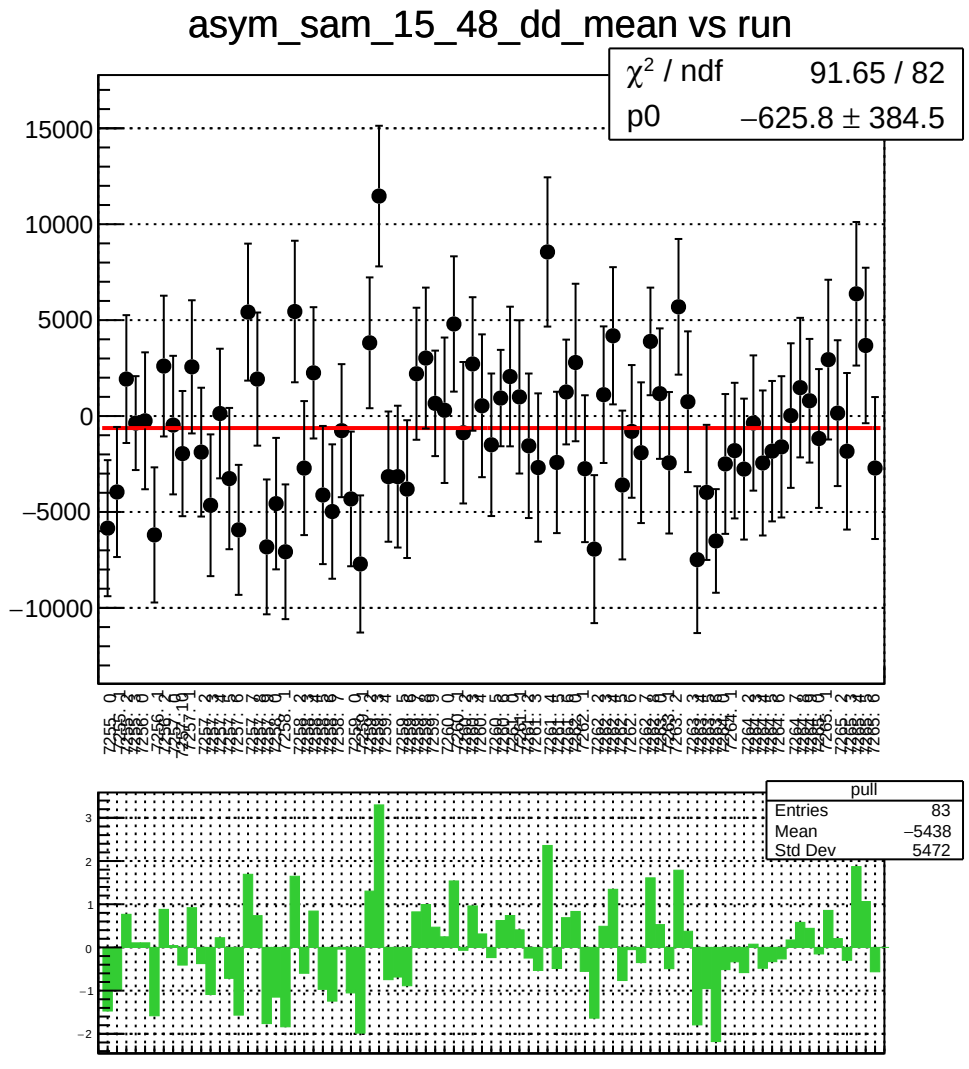
reg_asym_sam_15_48_dd_rms vs run

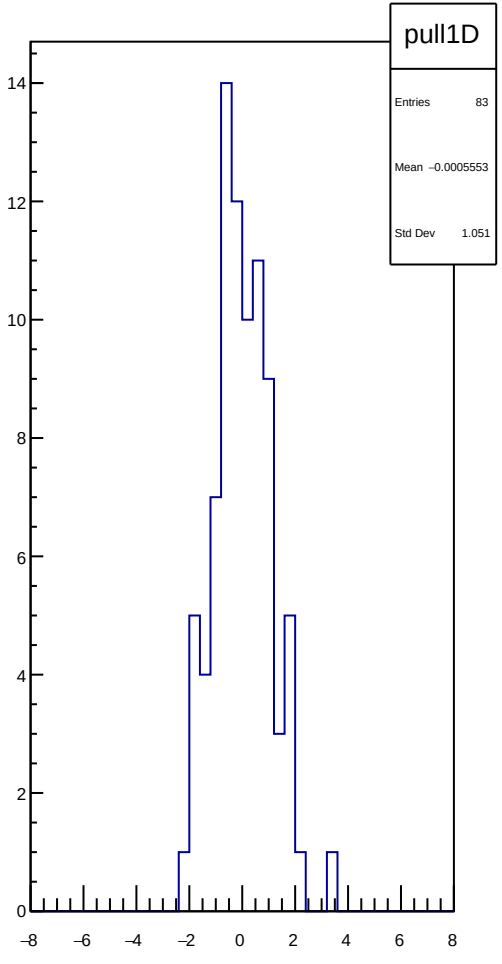


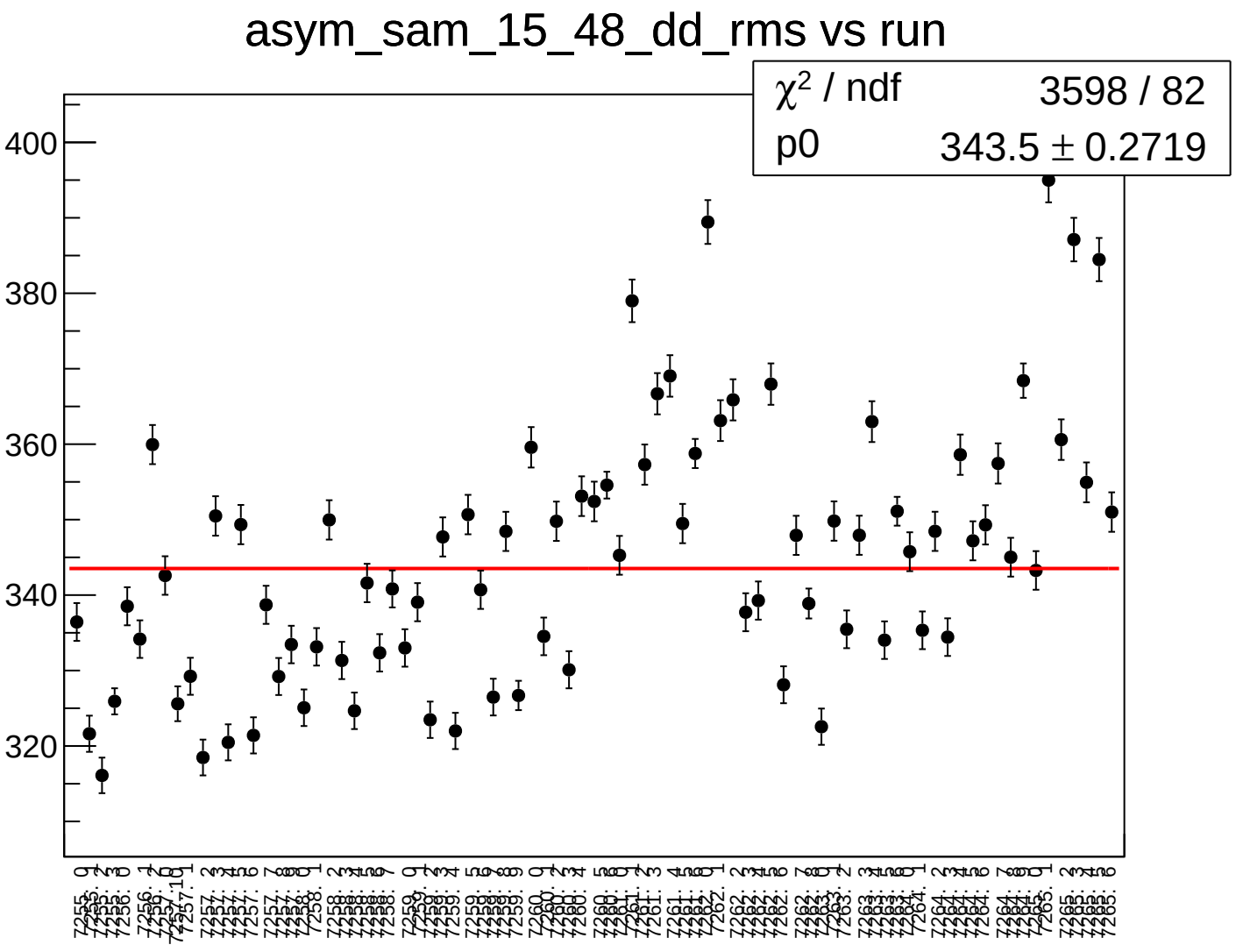

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 86.35 / 82
p0 609.1 ± 381.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −3349
Std Dev 3381
2
1
0
−1
−2
−3

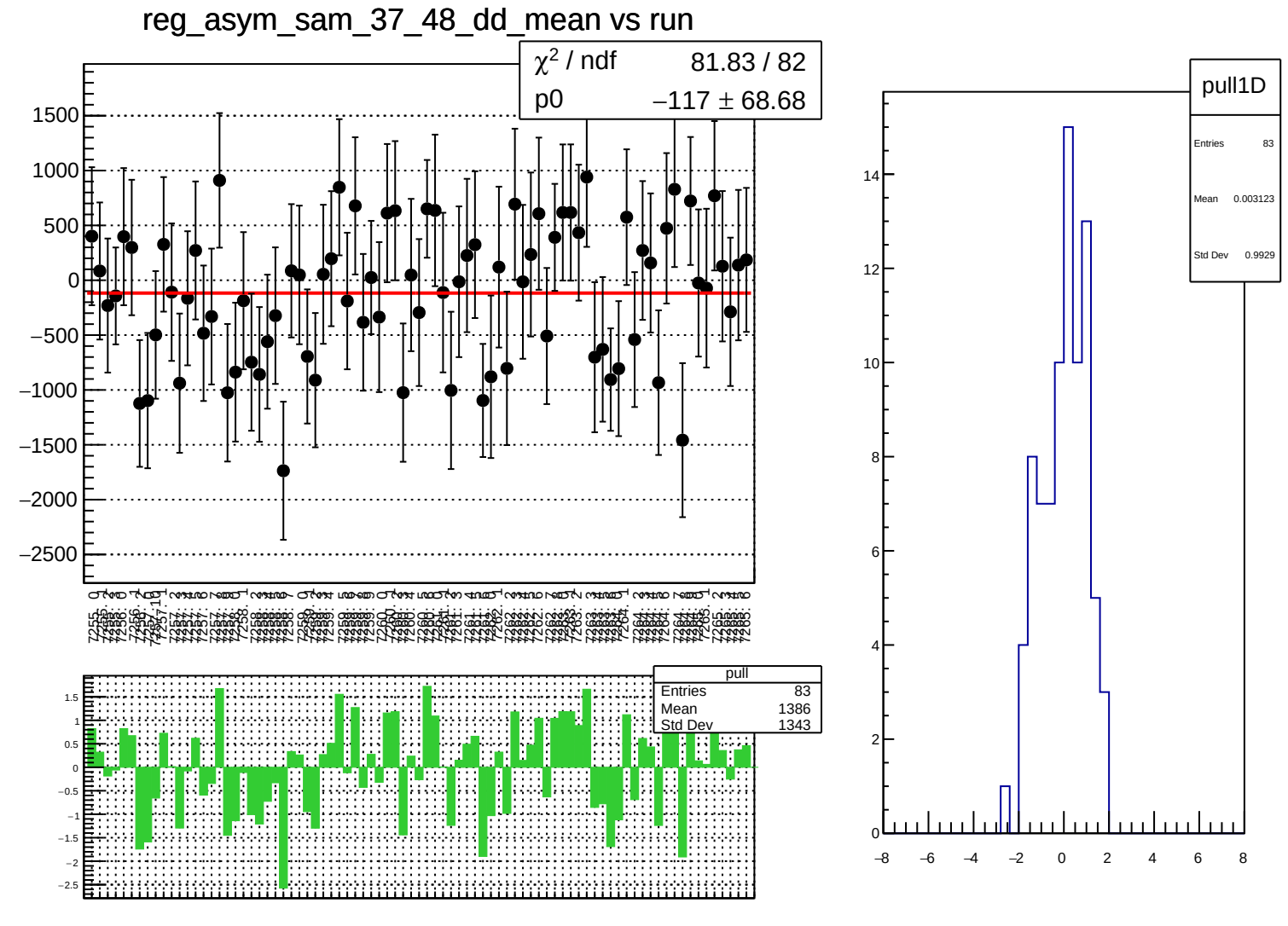

pull1D
Entries 83
Mean 0.0008084
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

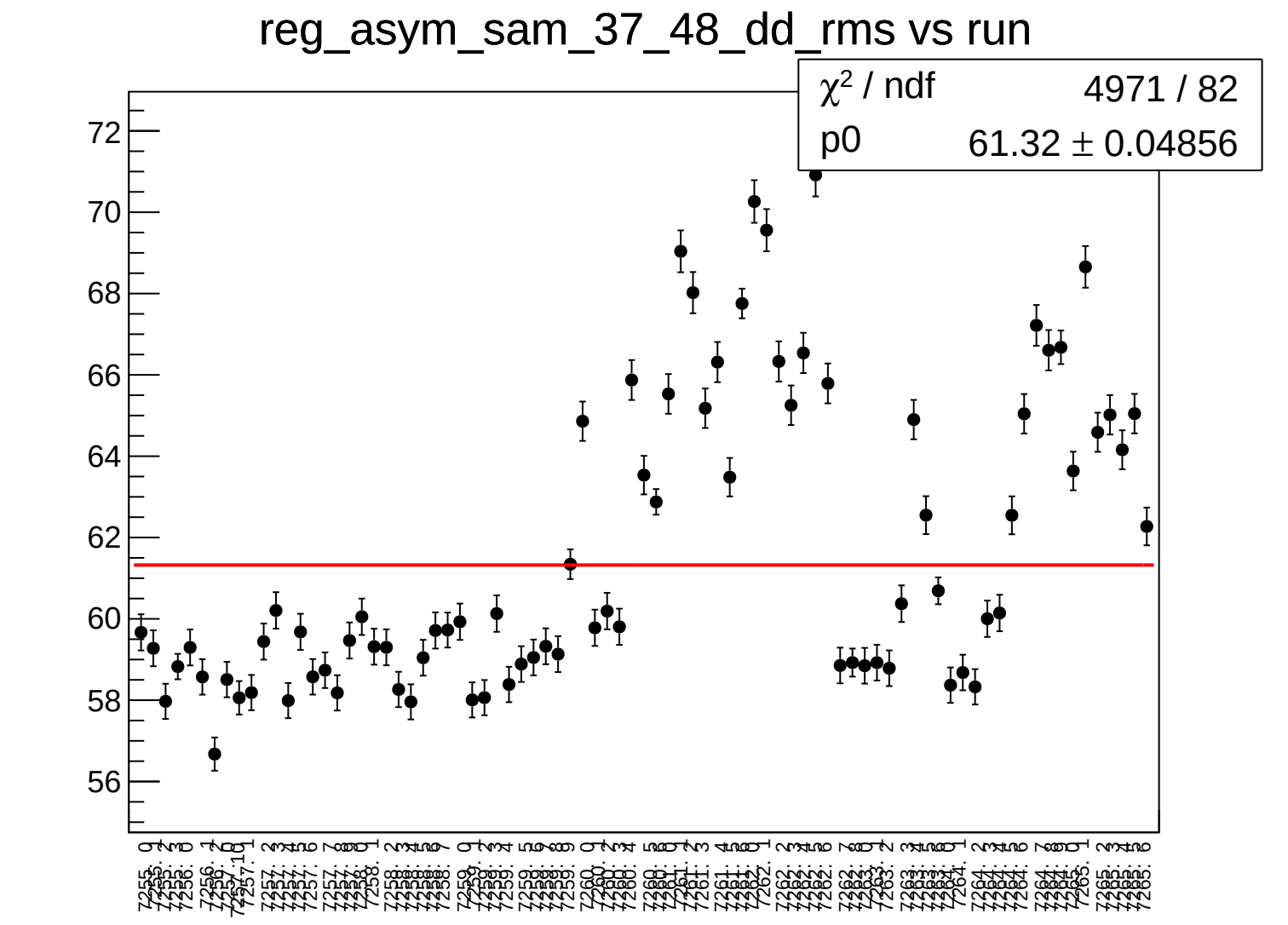

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3511 / 82
p0 340.6 ± 0.2696
400
390
380
370
360
350
340
330
320
310

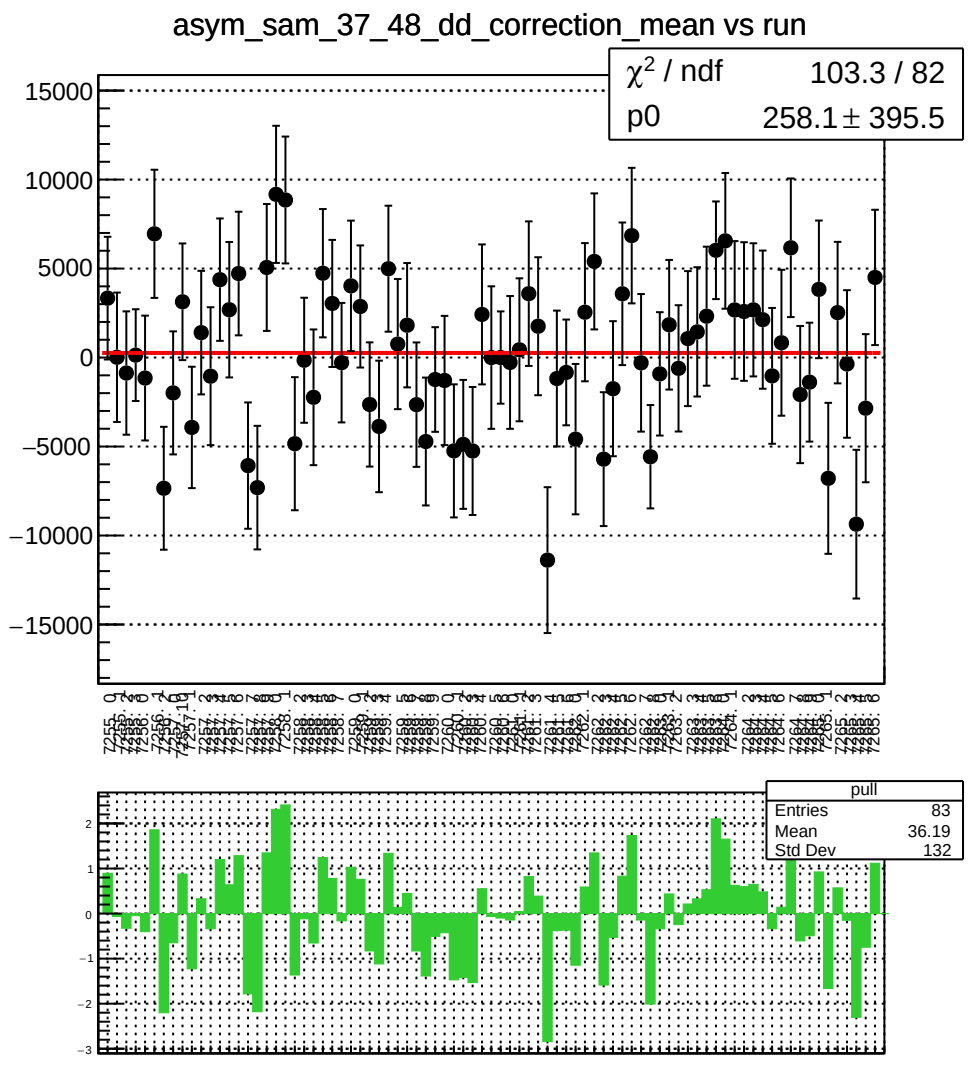

asym_sam_15_48_dd_mean vs run
χ² / ndf 91.65 / 82
p0 −625.8 ± 384.5
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −5438
Std Dev 5472
3
2
1
0
−1
−2

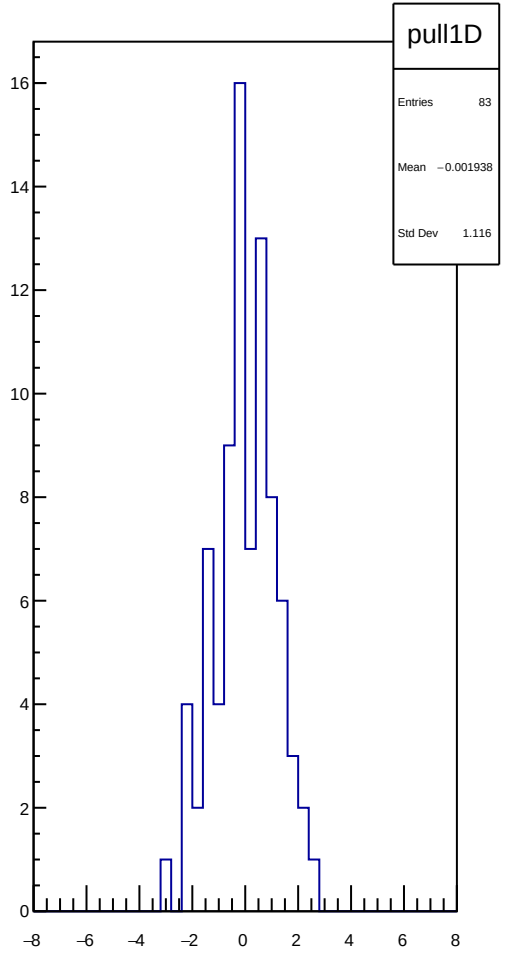

pull1D
Entries 83
Mean −0.0005553
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

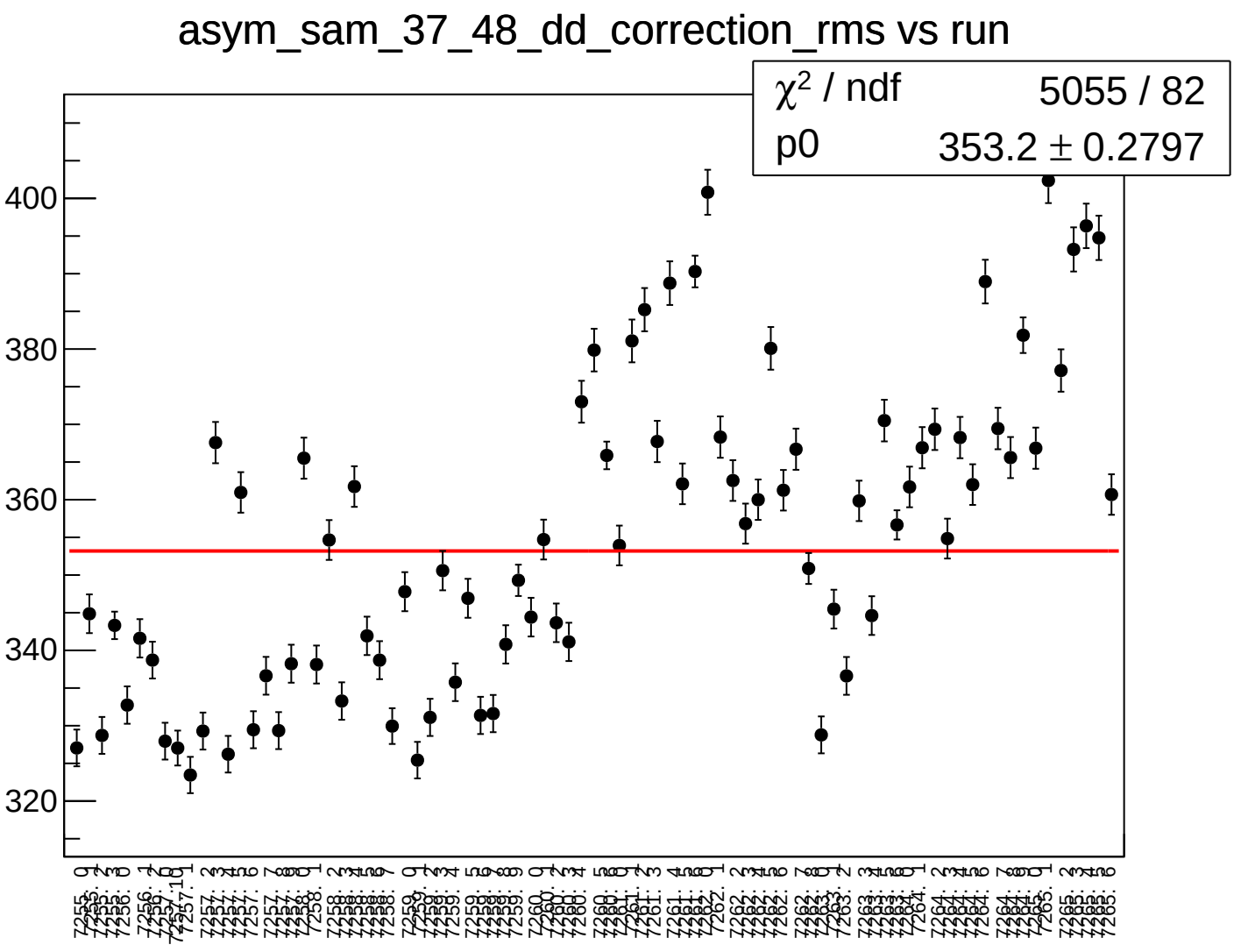

asym_sam_15_48_dd_rms vs run
χ² / ndf 3598 / 82
p0 343.5 ± 0.2719
400
380
360
340
320

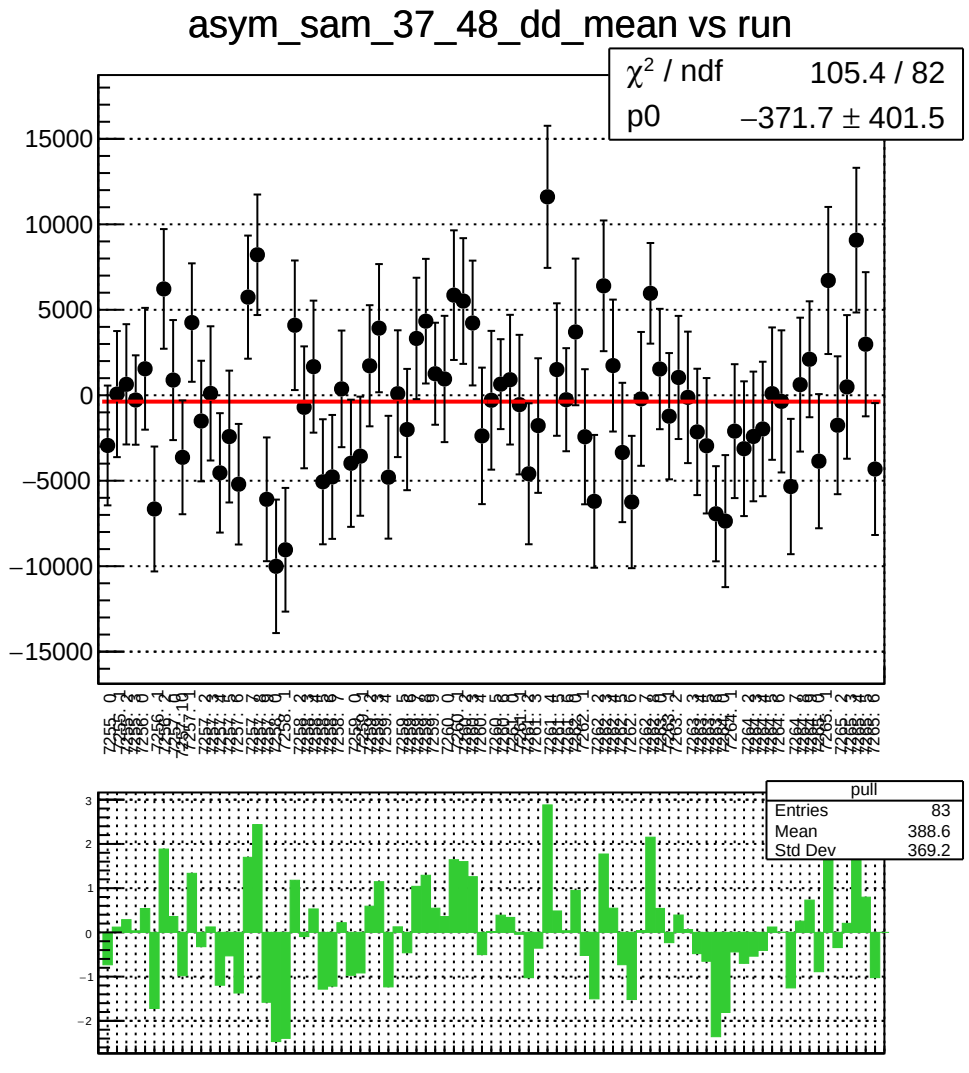

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 81.83 / 82
p0 −117 ± 68.68
pull
Entries 83
Mean 1386
Std Dev 1343
pull1D
Entries 83
Mean 0.003123
Std Dev 0.9929

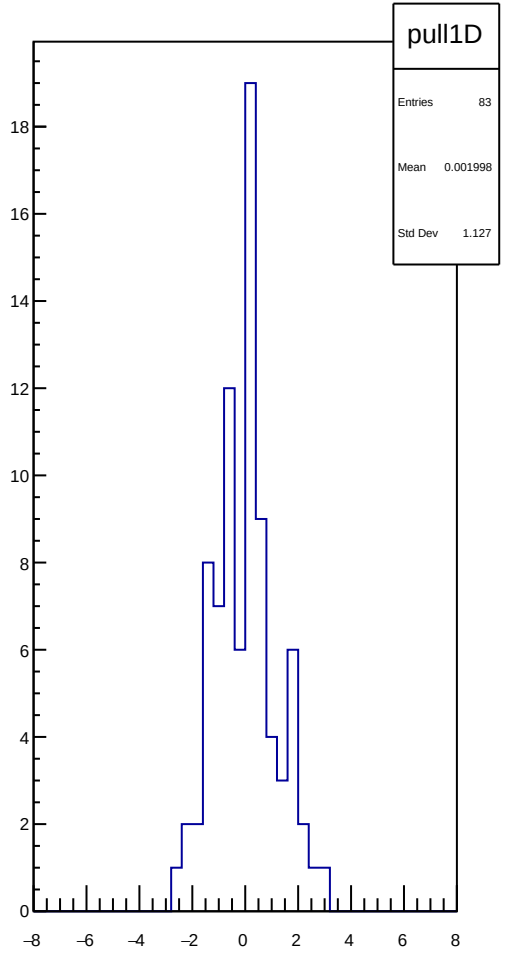

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 4971 / 82
p0 61.32 ± 0.04856
72
70
68
66
64
62
60
58
56

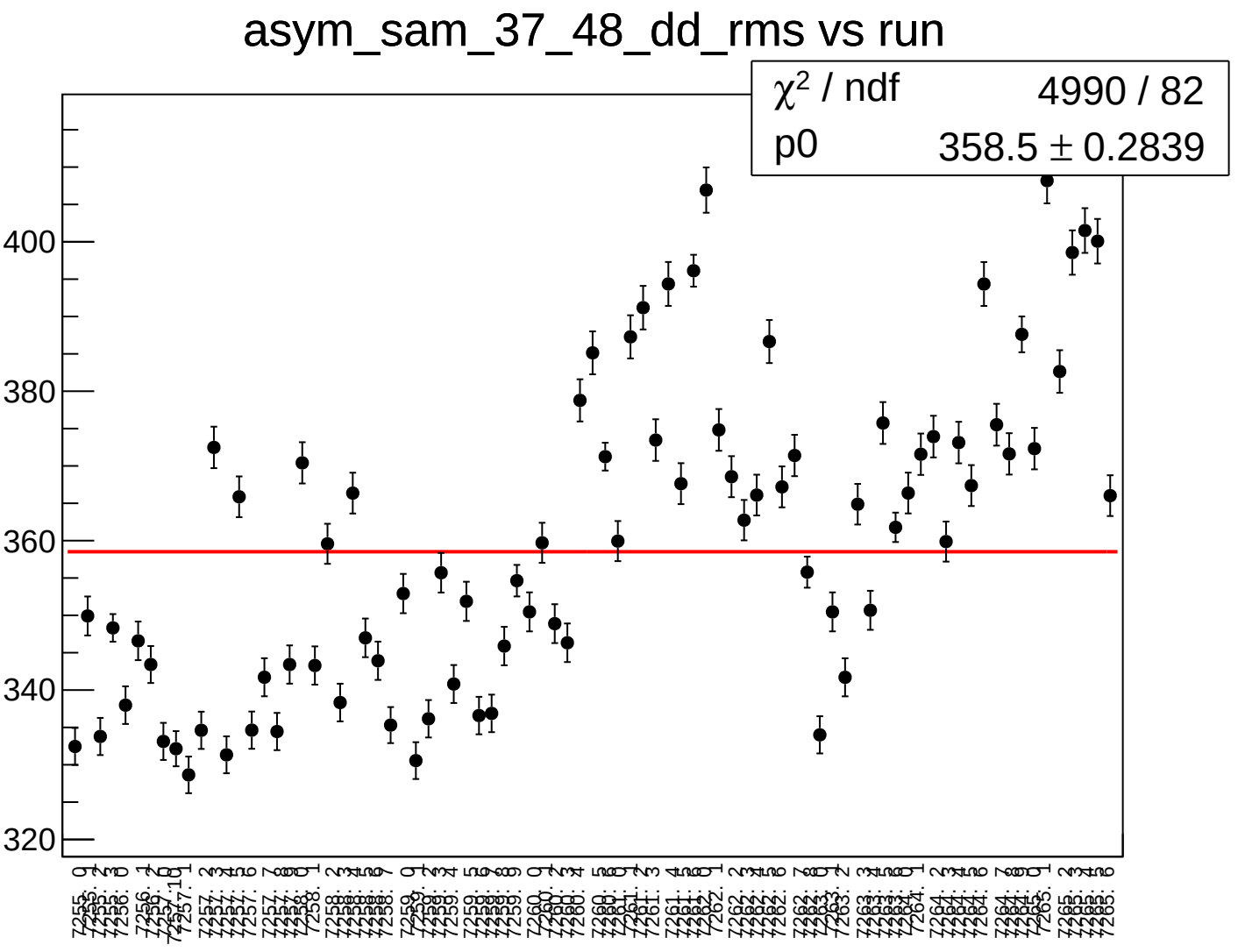

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 103.3 / 82
p0 258.1 ± 395.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 36.19
Std Dev 132
2
1
0
−1
−2
−3

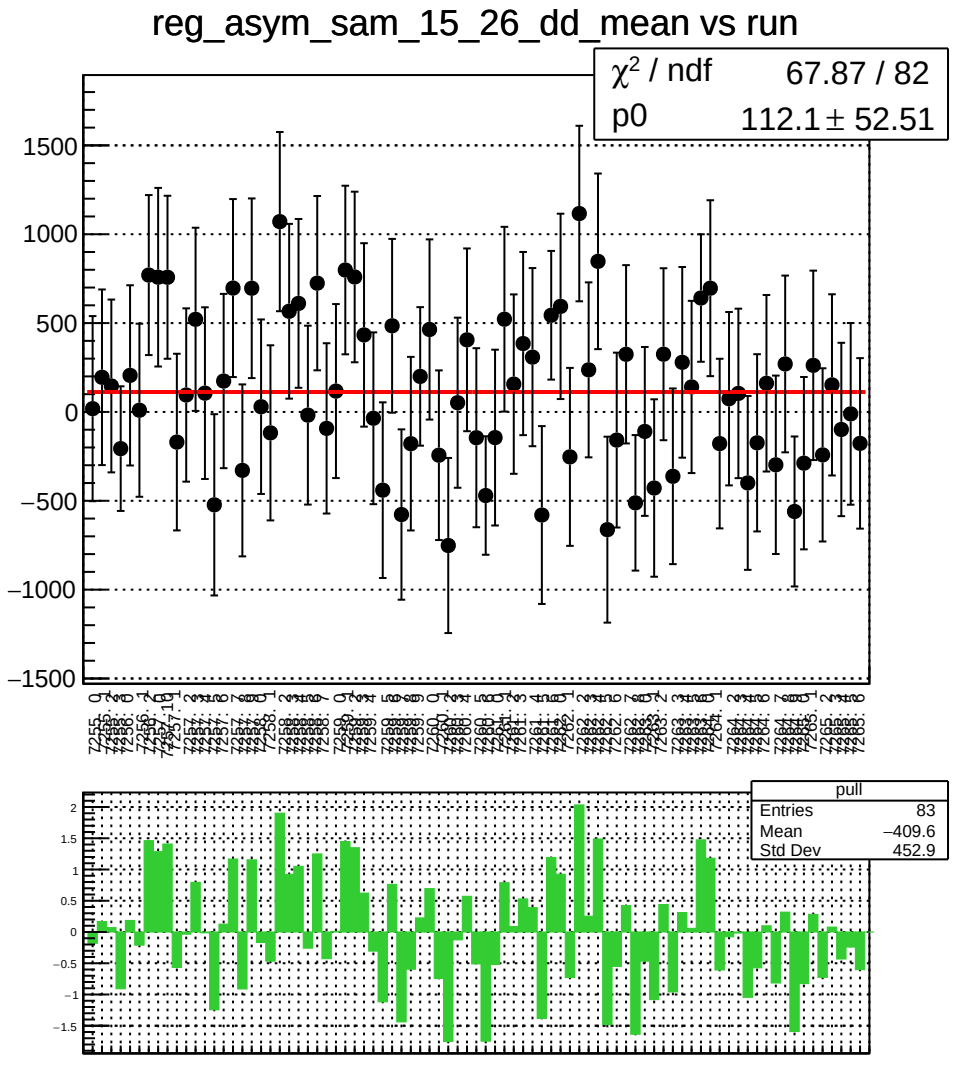

pull1D
Entries 83
Mean −0.001938
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

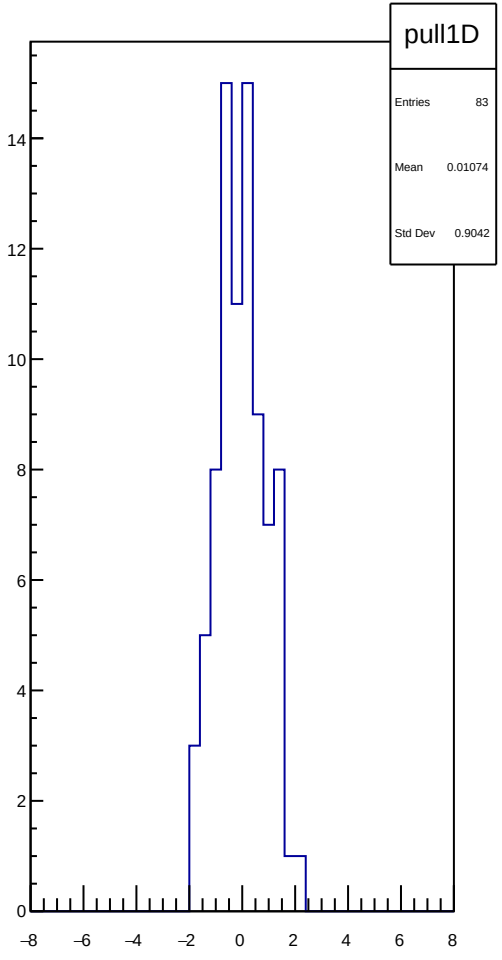

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 5055 / 82
p0 353.2 ± 0.2797
400
380
360
340
320

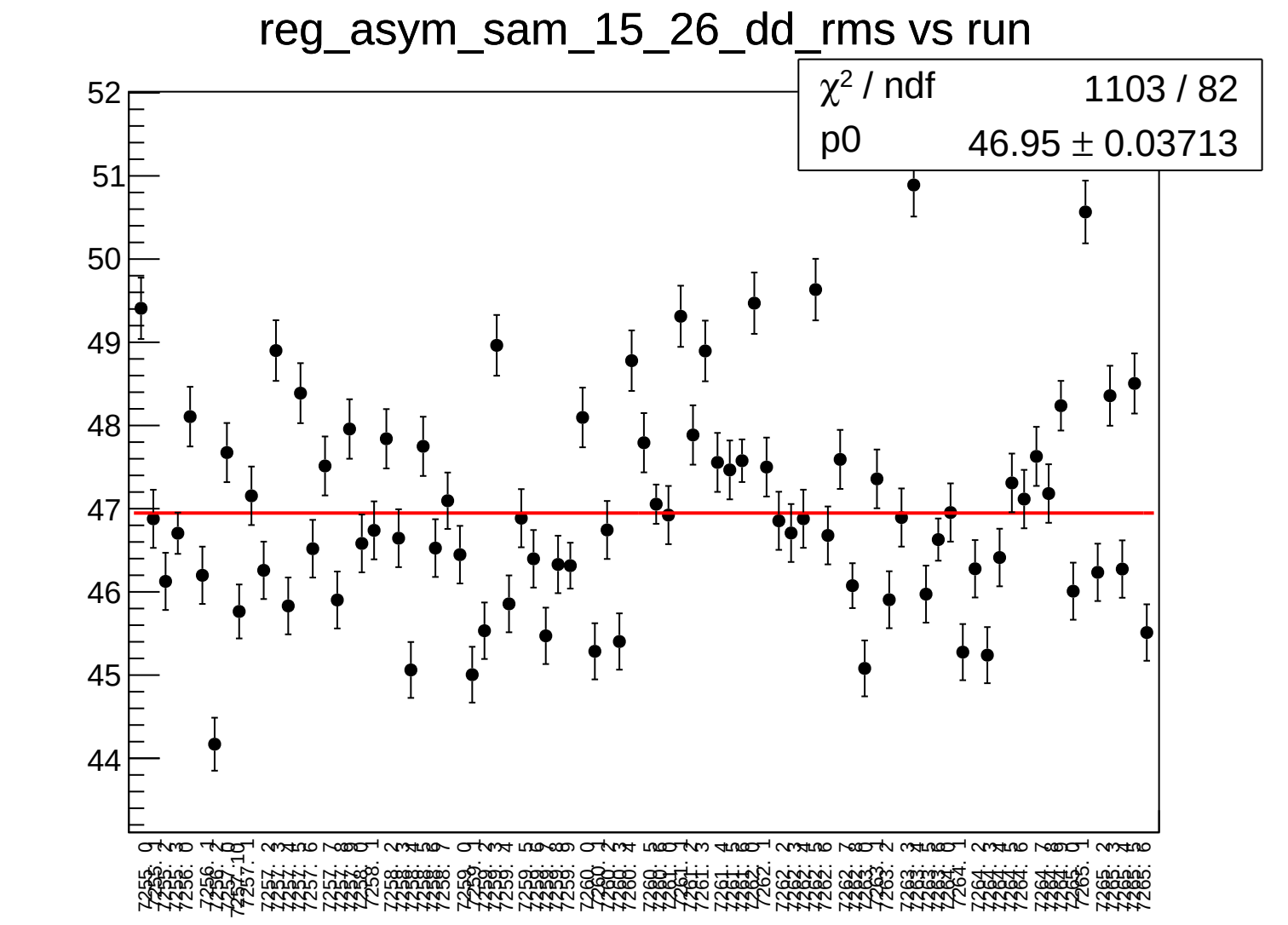

asym_sam_37_48_dd_mean vs run
χ² / ndf 105.4 / 82
p0 −371.7 ± 401.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 388.6
Std Dev 369.2
3
2
1
0
−1
−2

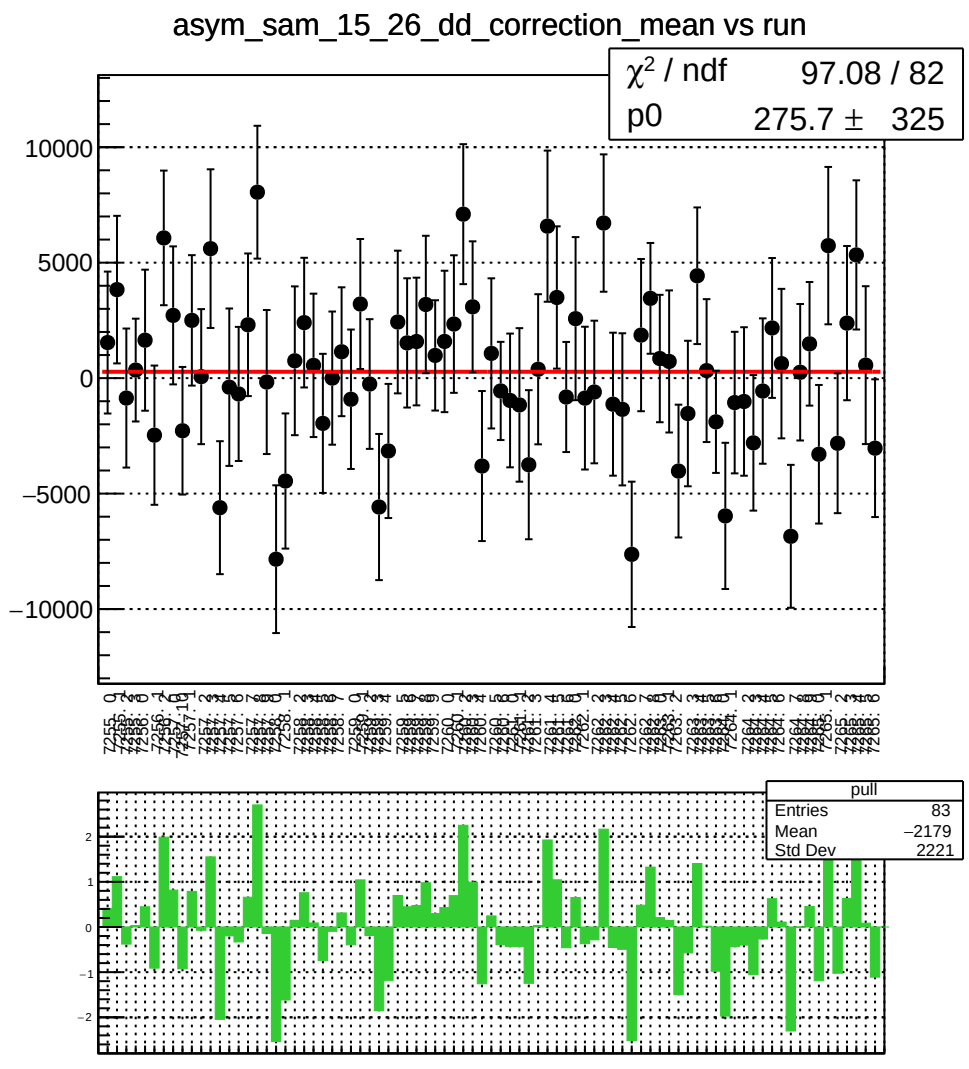

pull1D
Entries 83
Mean 0.001998
Std Dev 1.127
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

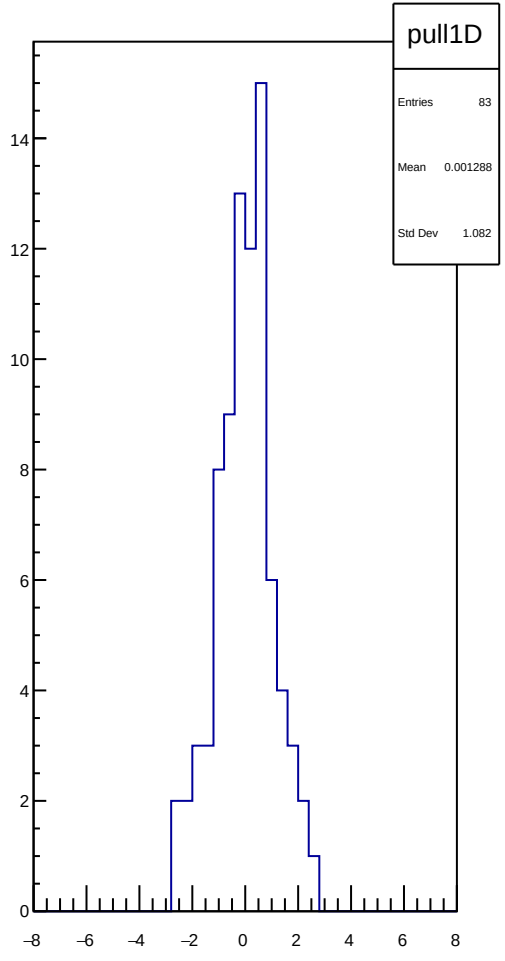

asym_sam_37_48_dd_rms vs run
χ² / ndf 4990 / 82
p0 358.5 ± 0.2839
400
380
360
340
320

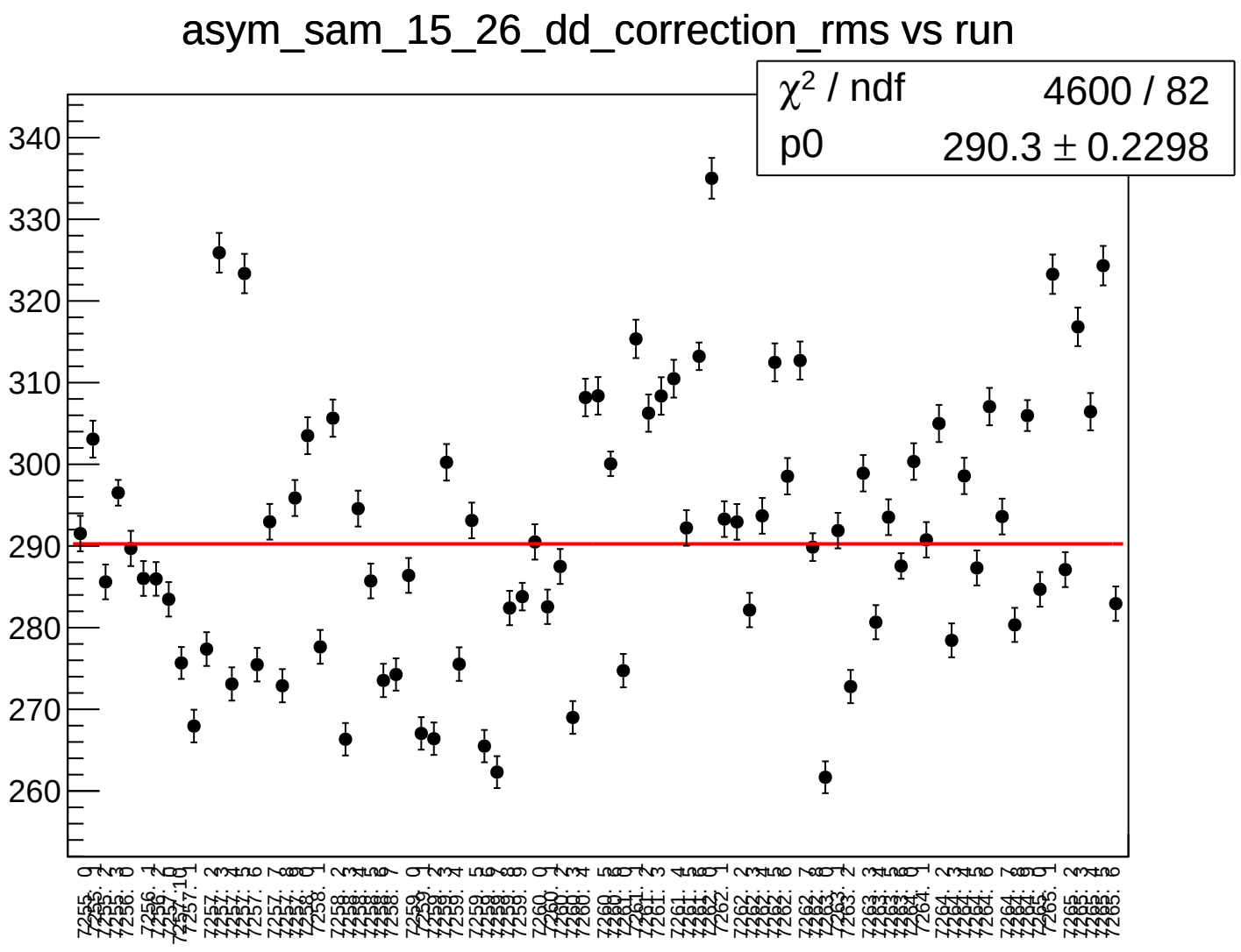

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 67.87 / 82
p0 112.1 ± 52.51
pull
Entries 83
Mean −409.6
Std Dev 452.9

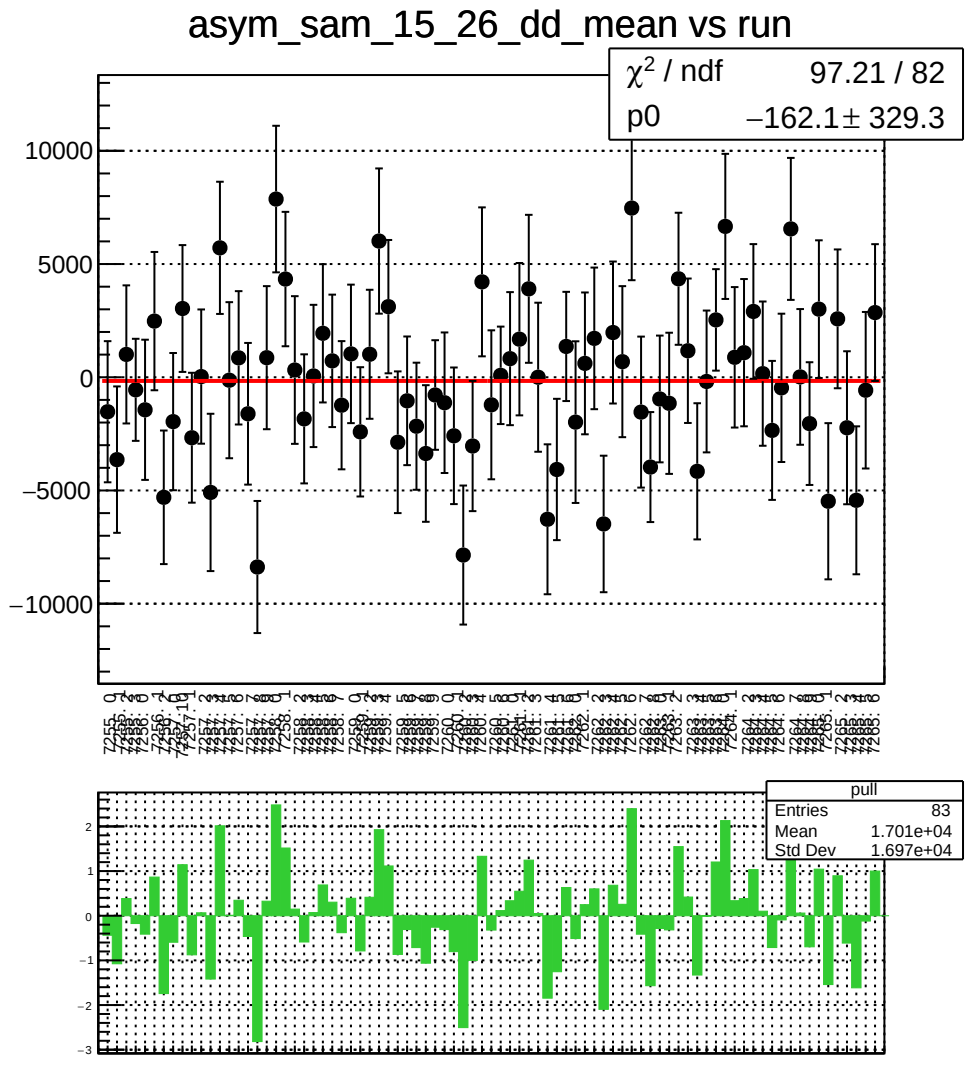

pull1D
Entries 83
Mean 0.01074
Std Dev 0.9042

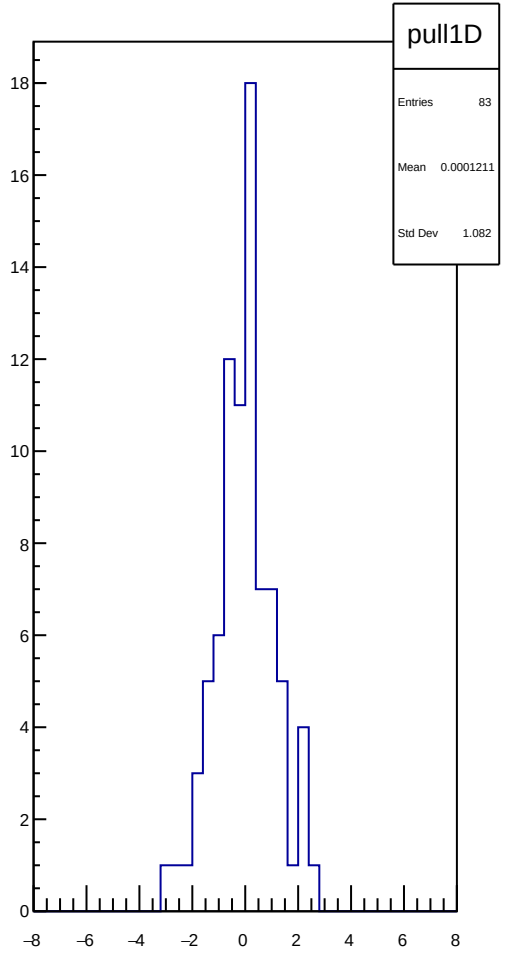

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1103 / 82
p0 46.95 ± 0.03713
52
51
50
49
48
47
46
45
44

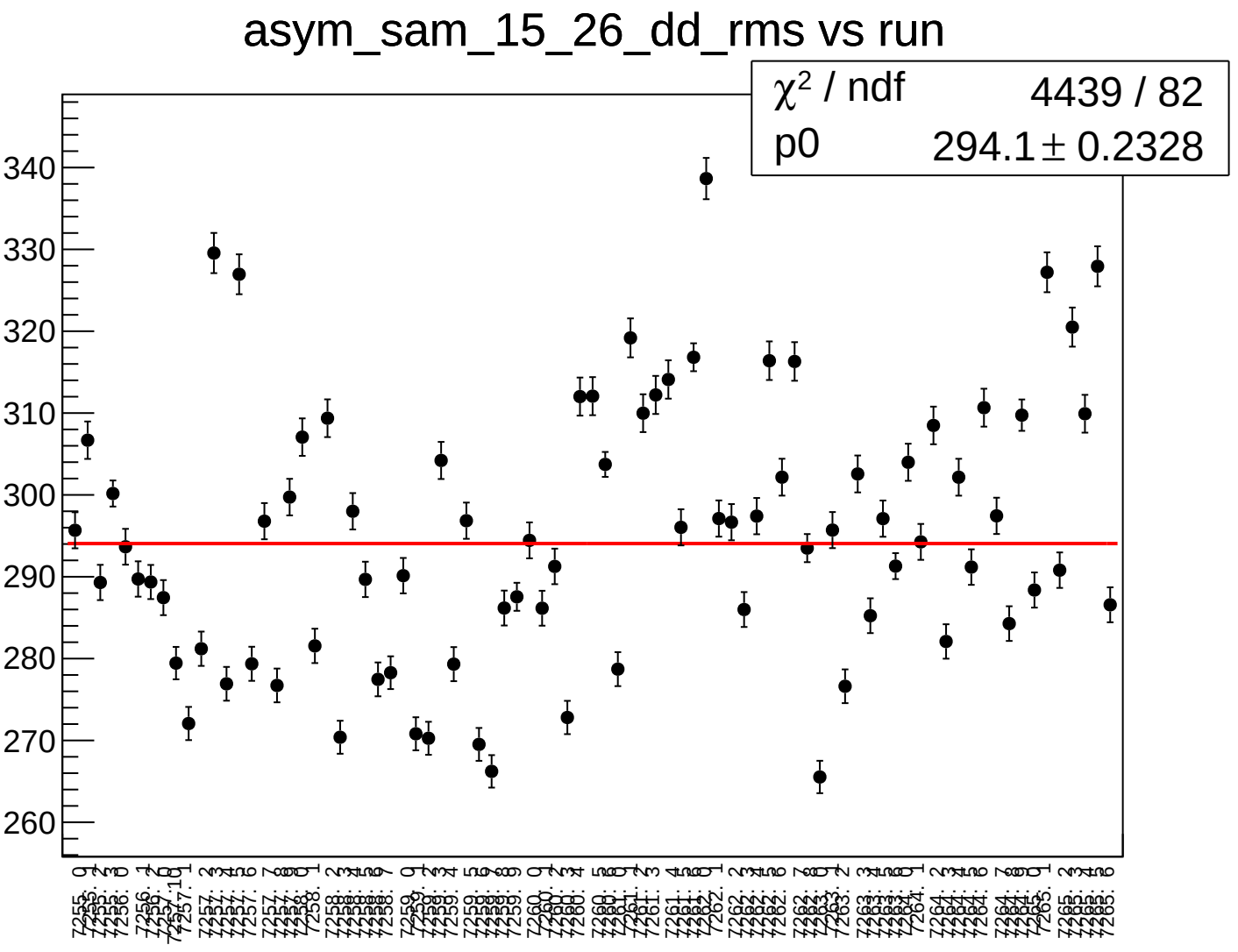

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 97.08 / 82
p0 275.7 ± 325
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −2179
Std Dev 2221
2
1
0
−1
−2

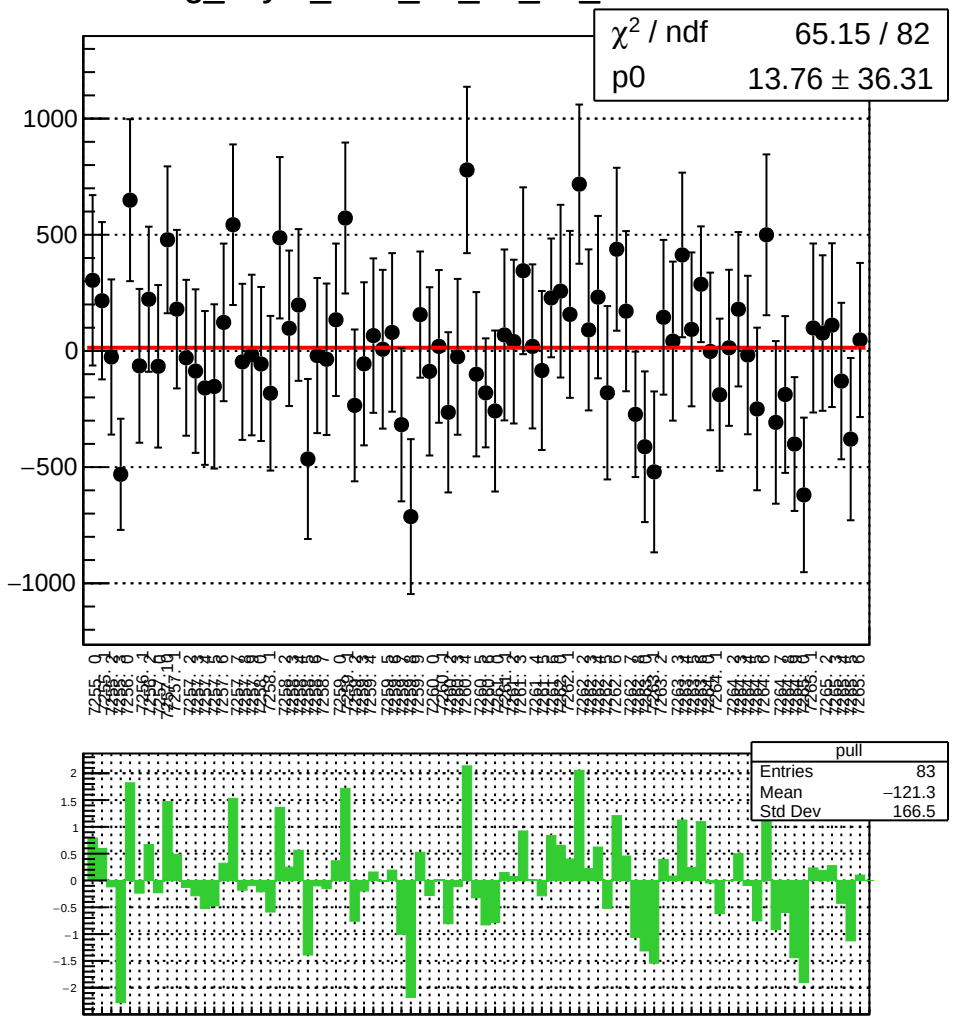

pull1D
Entries 83
Mean 0.001288
Std Dev 1.082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

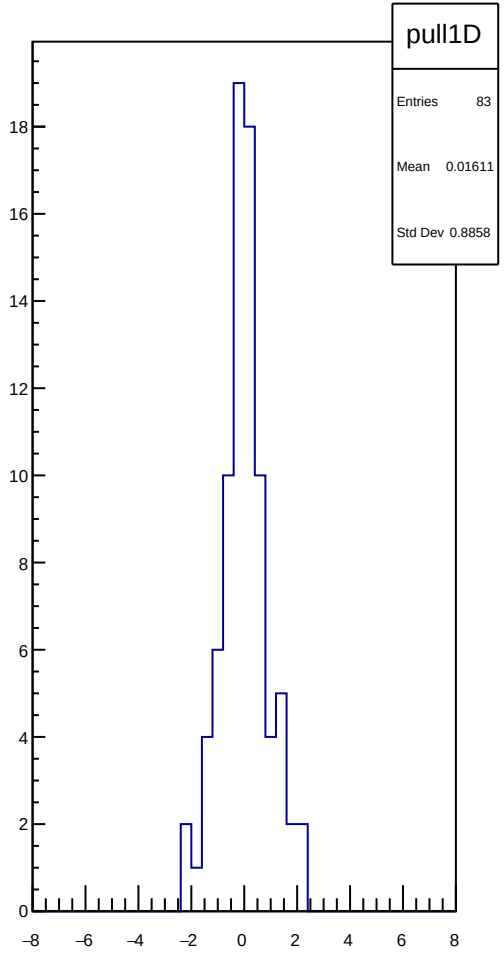

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4600 / 82
p0 290.3 ± 0.2298
340
330
320
310
300
290
280
270
260

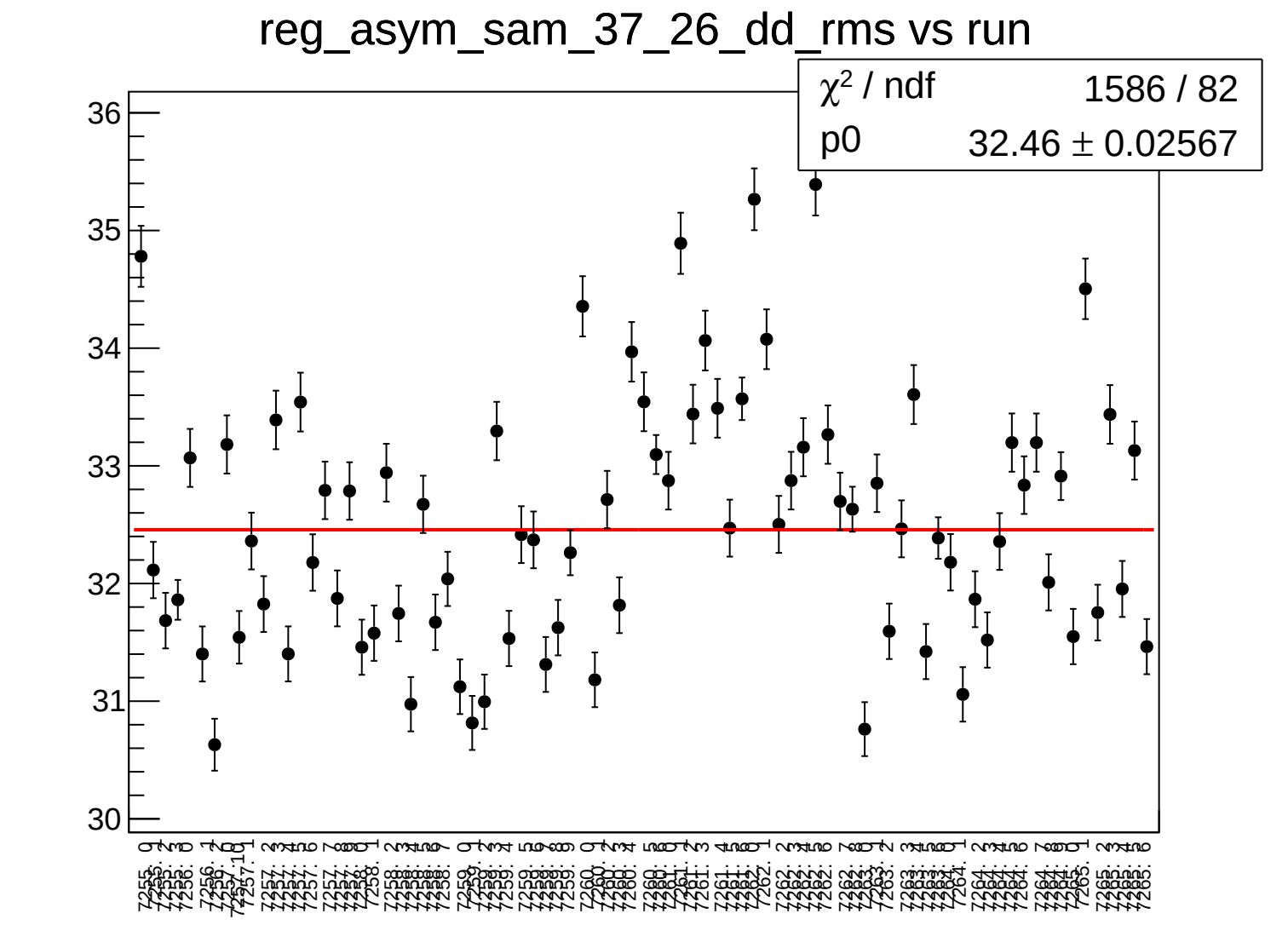

asym_sam_15_26_dd_mean vs run
χ² / ndf 97.21 / 82
p0 −162.1± 329.3
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 1.701e+04
Std Dev 1.697e+04
2
1
0
−1
−2
−3

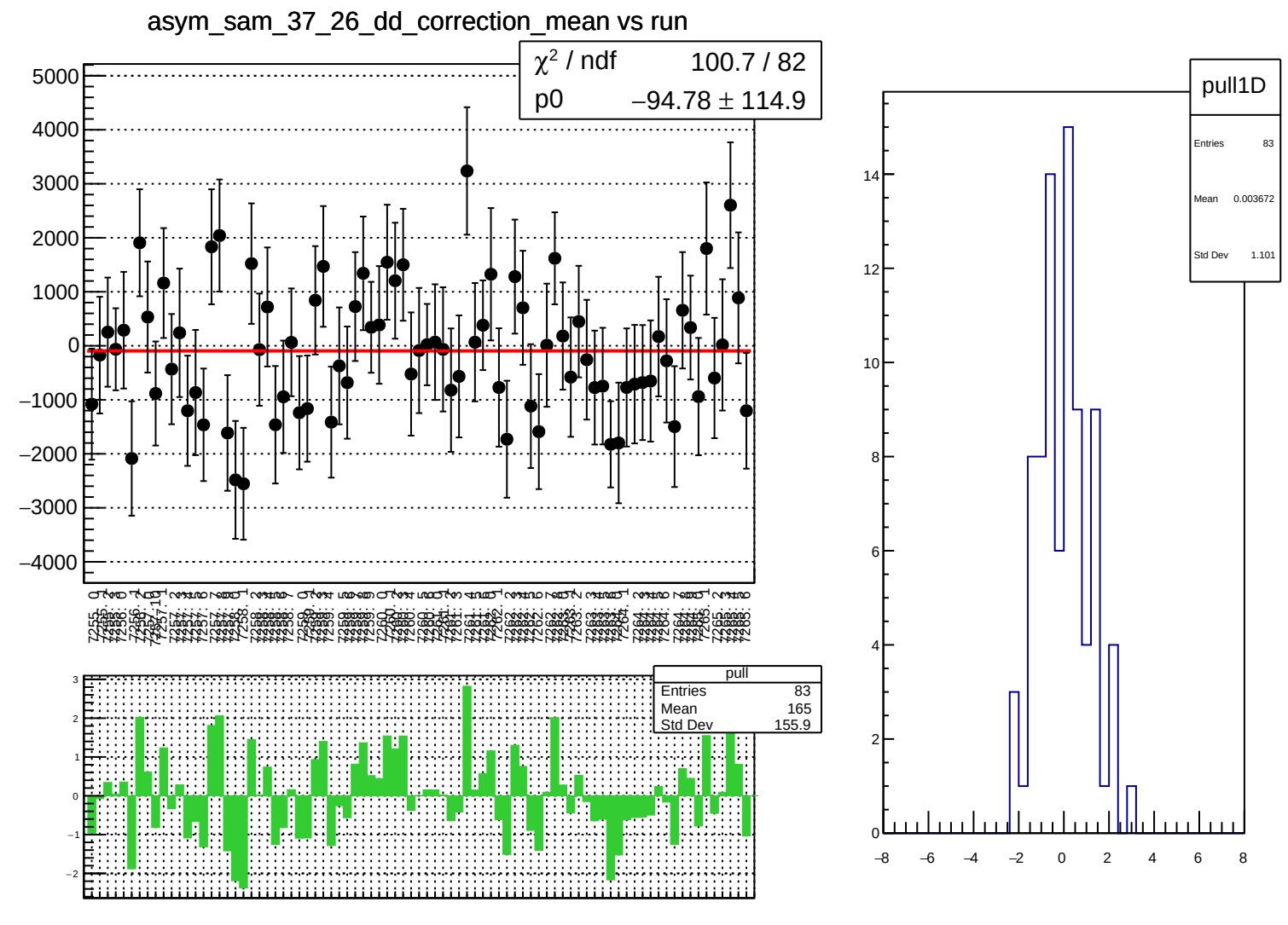

pull1D
Entries 83
Mean 0.0001211
Std Dev 1.082
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

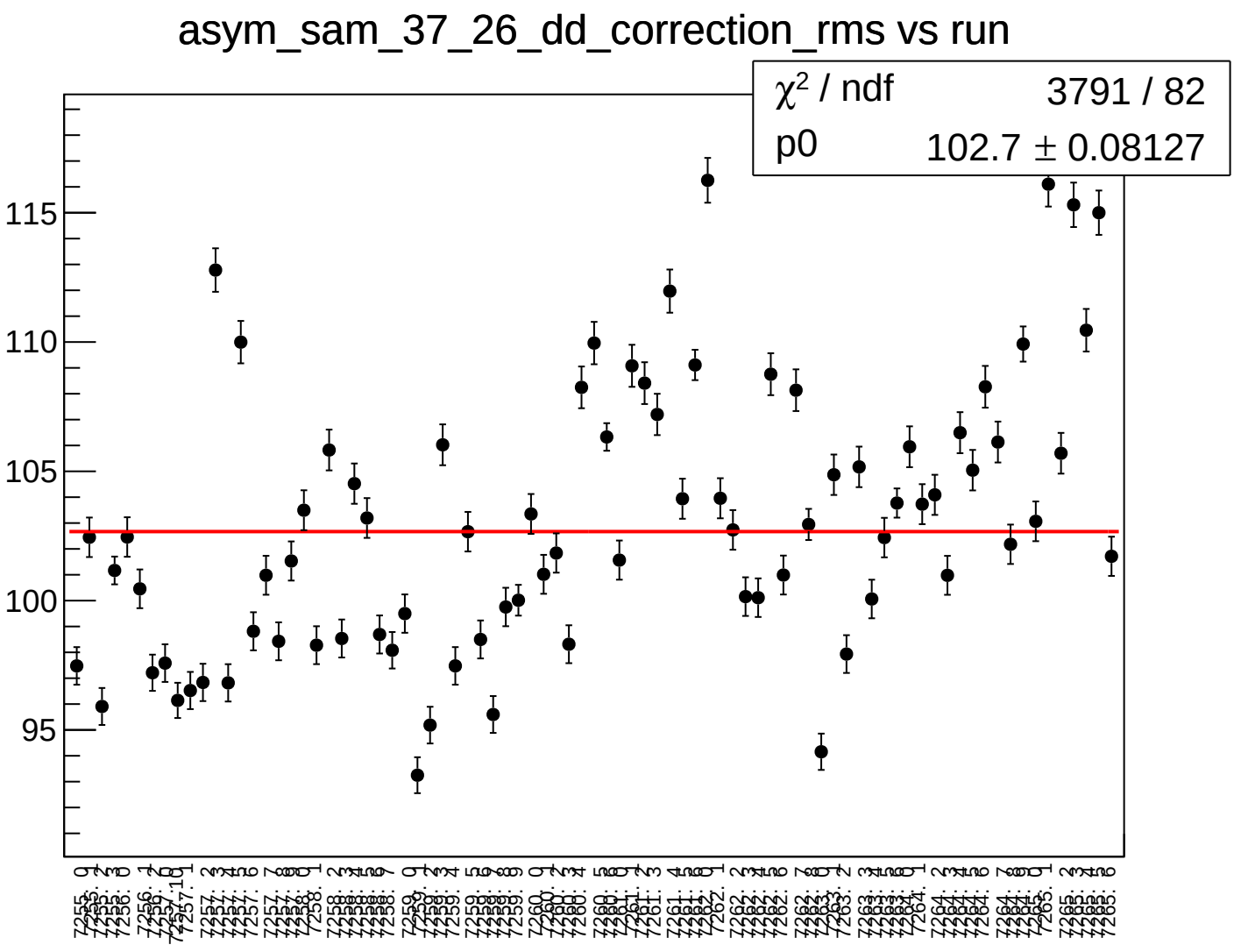

asym_sam_15_26_dd_rms vs run
χ² / ndf 4439 / 82
p0 294.1 ± 0.2328
340
330
320
310
300
290
280
270
260

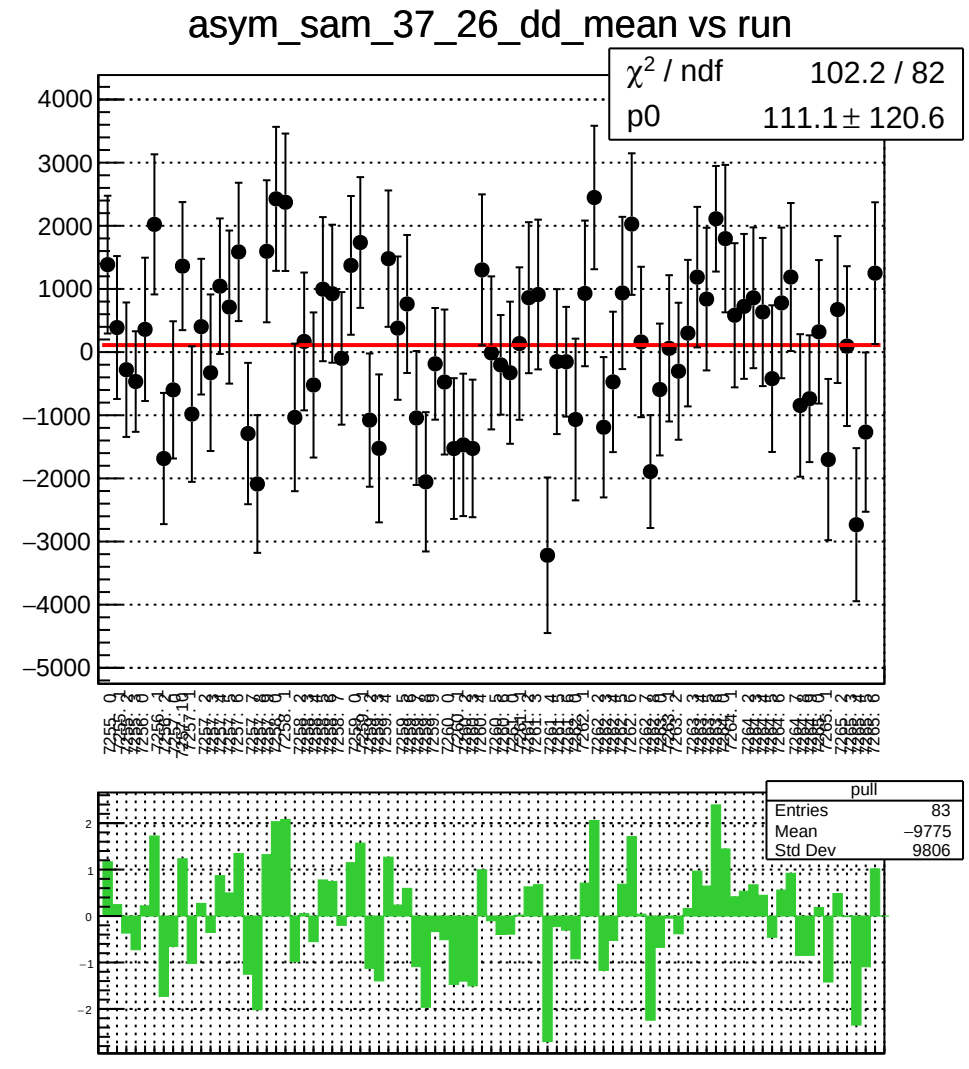

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 65.15 / 82
p0 13.76 ± 36.31
1000
500
0
−500
−1000
pull
Entries 83
Mean −121.3
Std Dev 166.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

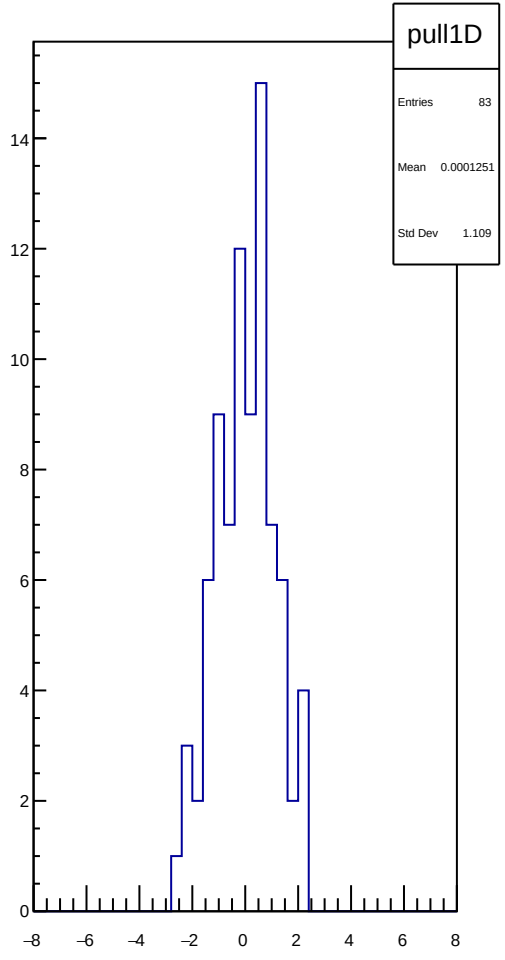

pull1D
Entries 83
Mean 0.01611
Std Dev 0.8858
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

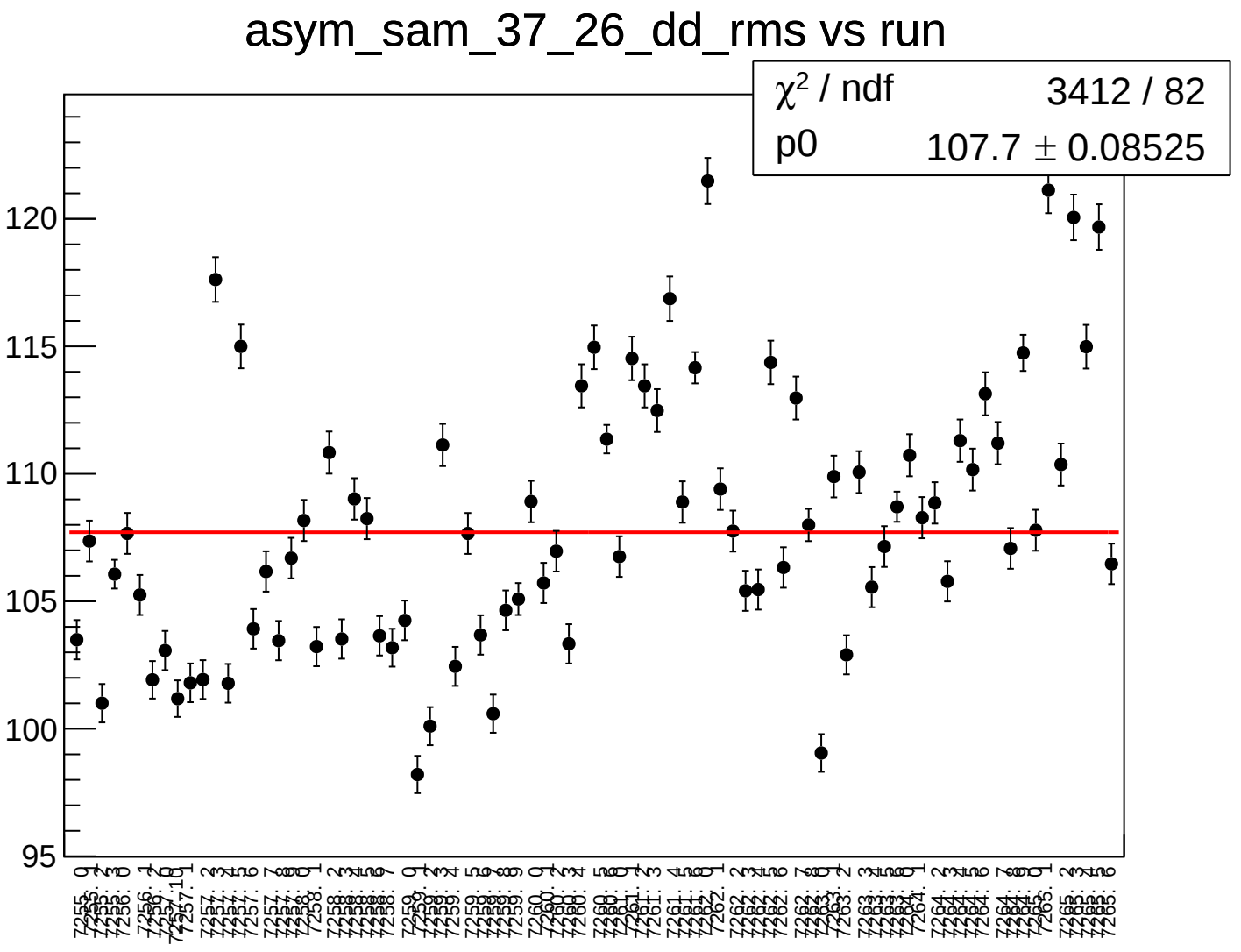

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 1586 / 82
p0 32.46 ± 0.02567
36
35
34
33
32
31
30

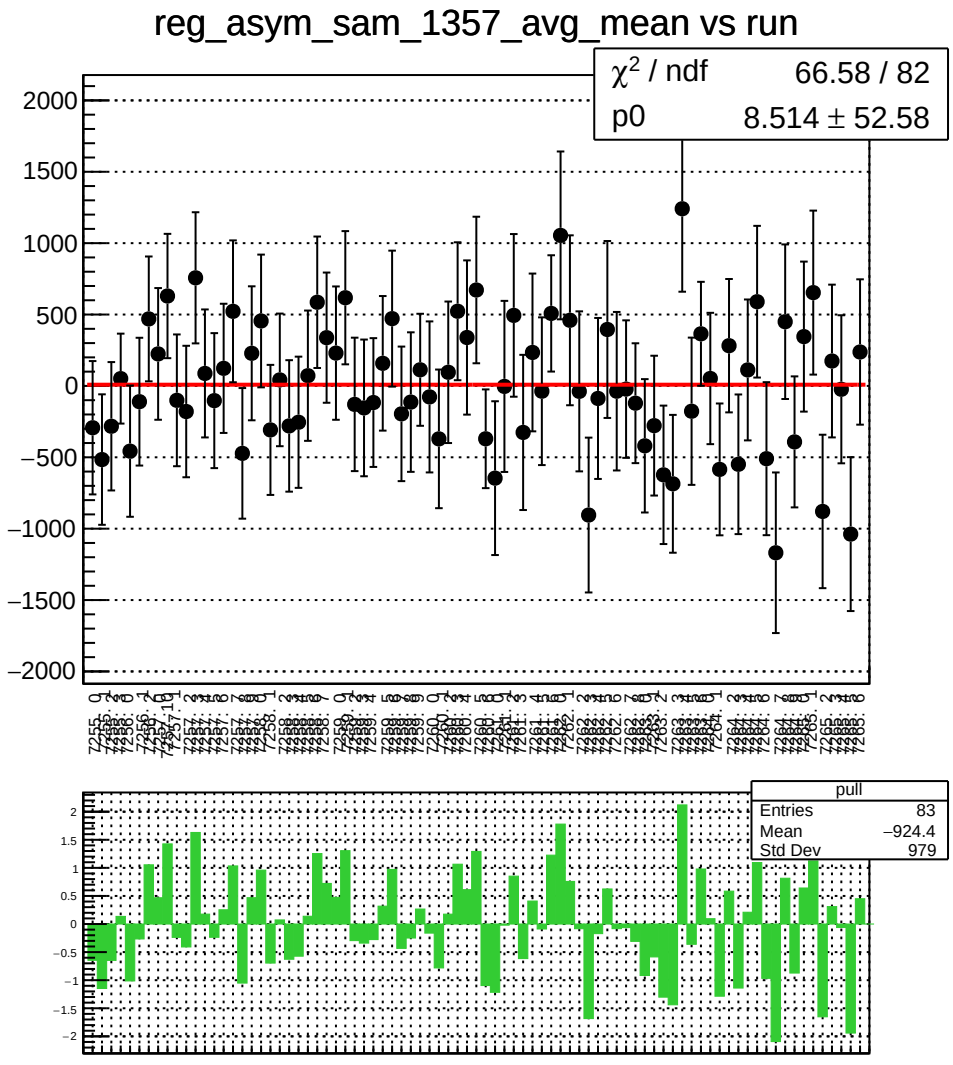

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 100.7 / 82
p0 −94.78 ± 114.9
pull
Entries 83
Mean 165
Std Dev 155.9
pull1D
Entries 83
Mean 0.003672
Std Dev 1.101

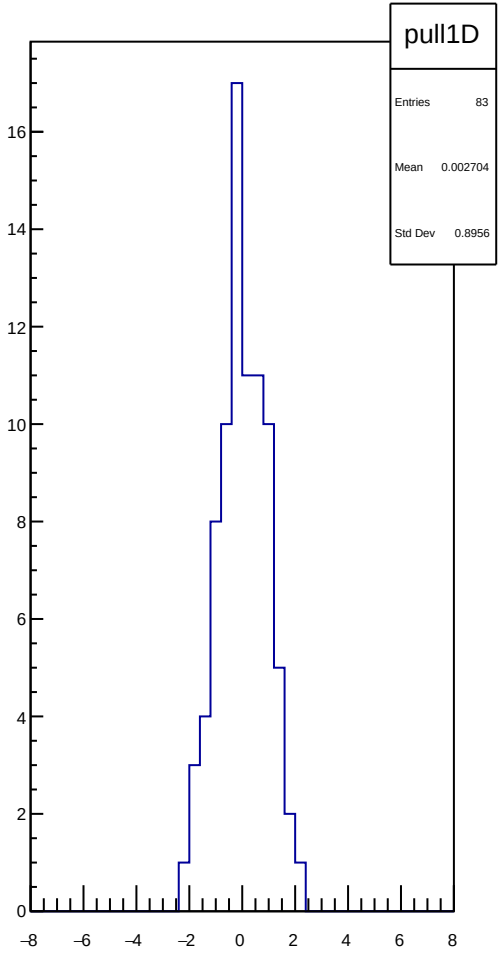

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3791 / 82
p0 102.7 ± 0.08127
115
110
105
100
95

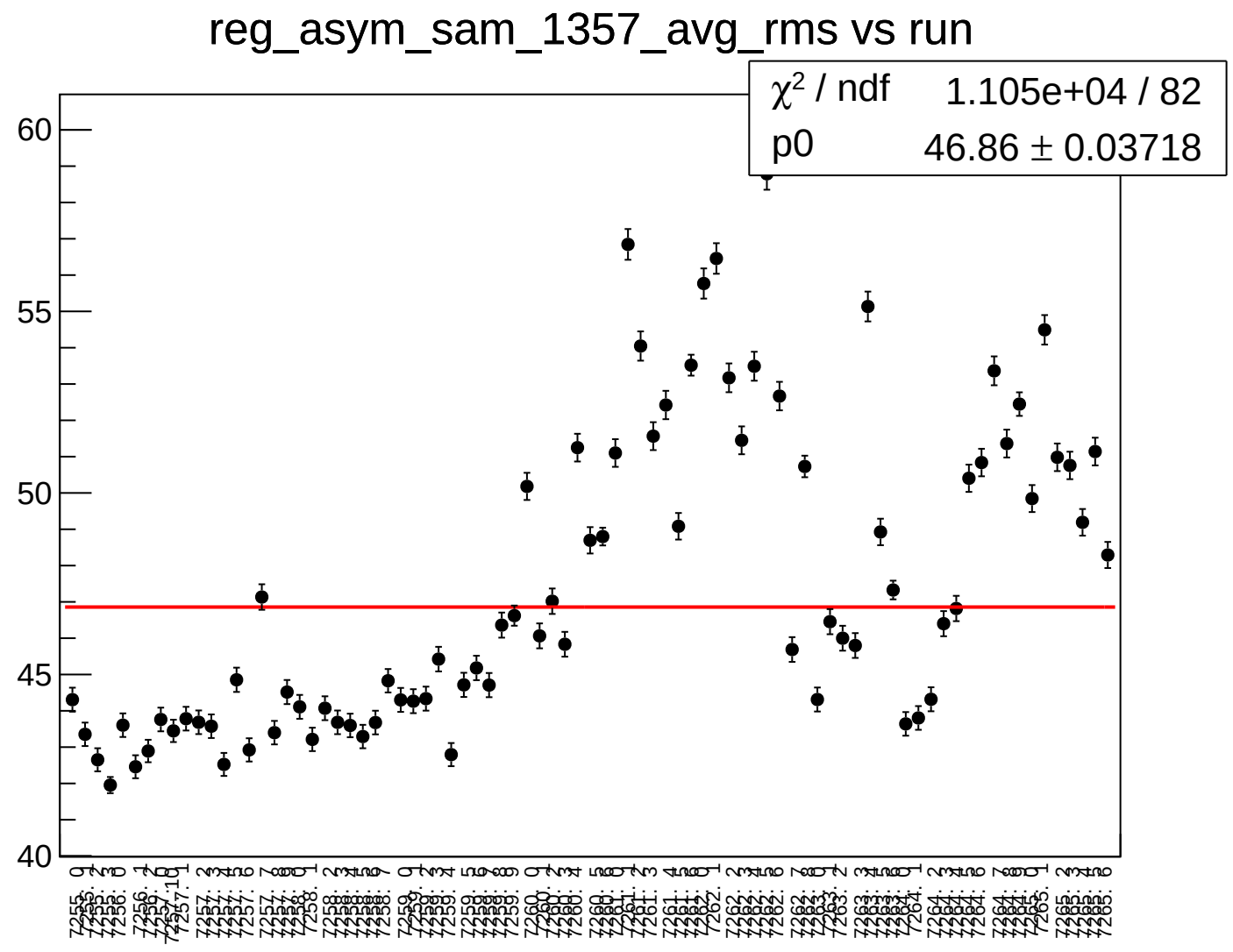

asym_sam_37_26_dd_mean vs run
χ² / ndf 102.2 / 82
p0 111.1 ± 120.6
pull
Entries 83
Mean −9775
Std Dev 9806

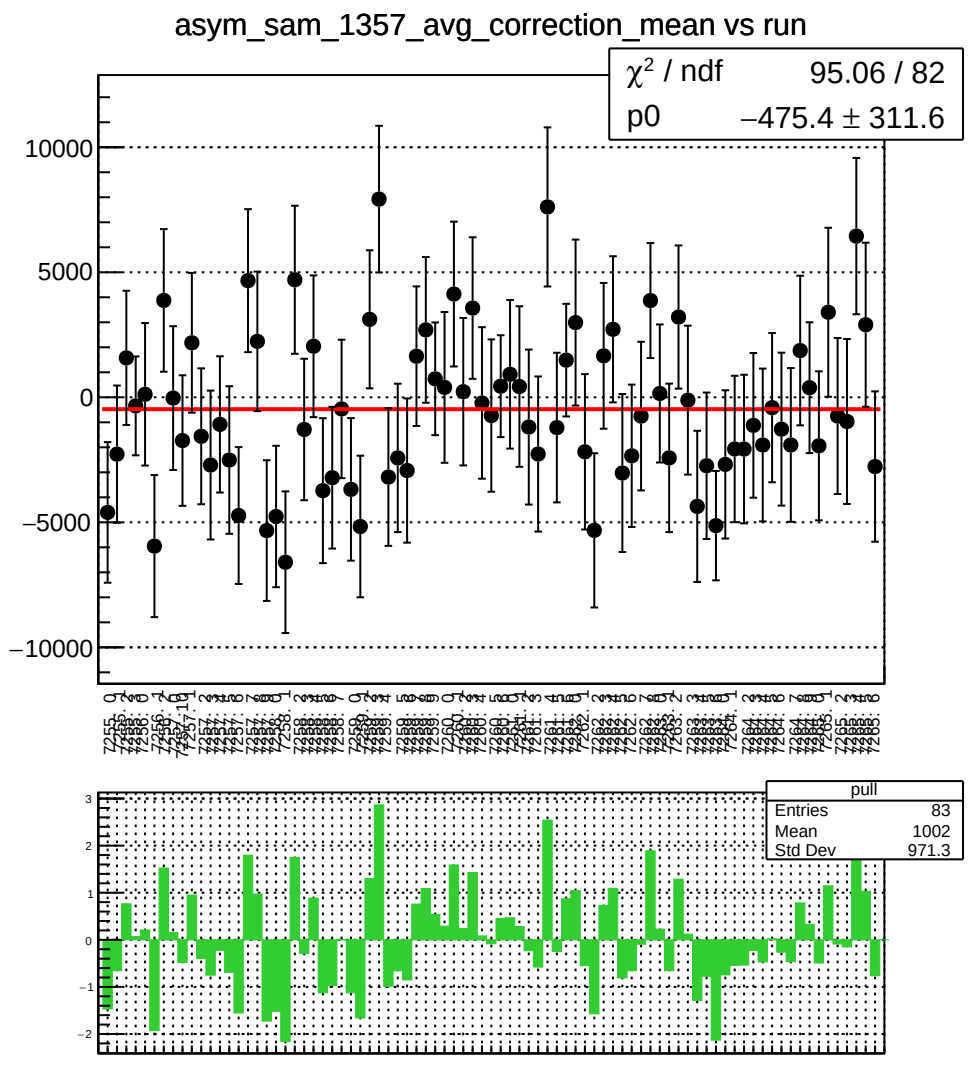

pull1D
Entries 83
Mean 0.0001251
Std Dev 1.109

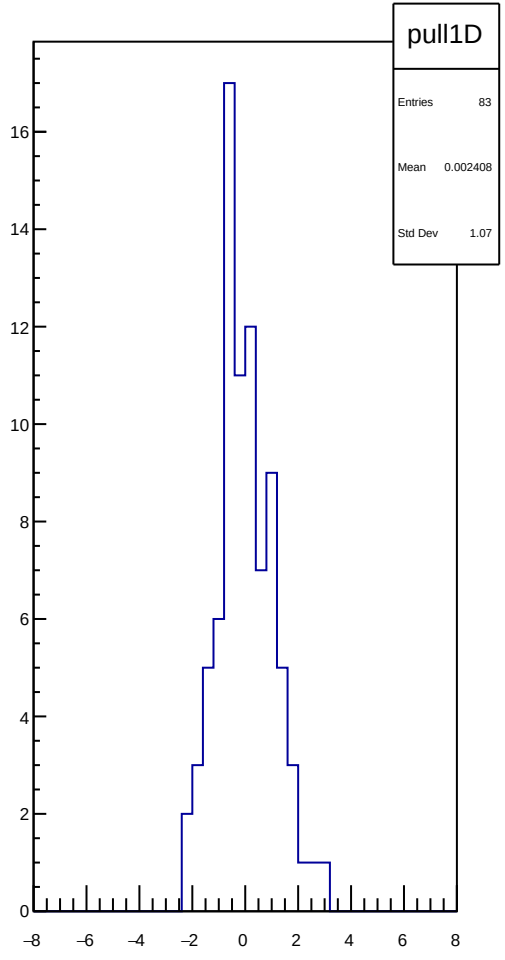

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3412 / 82
p0 107.7 ± 0.08525
120
115
110
105
100
95

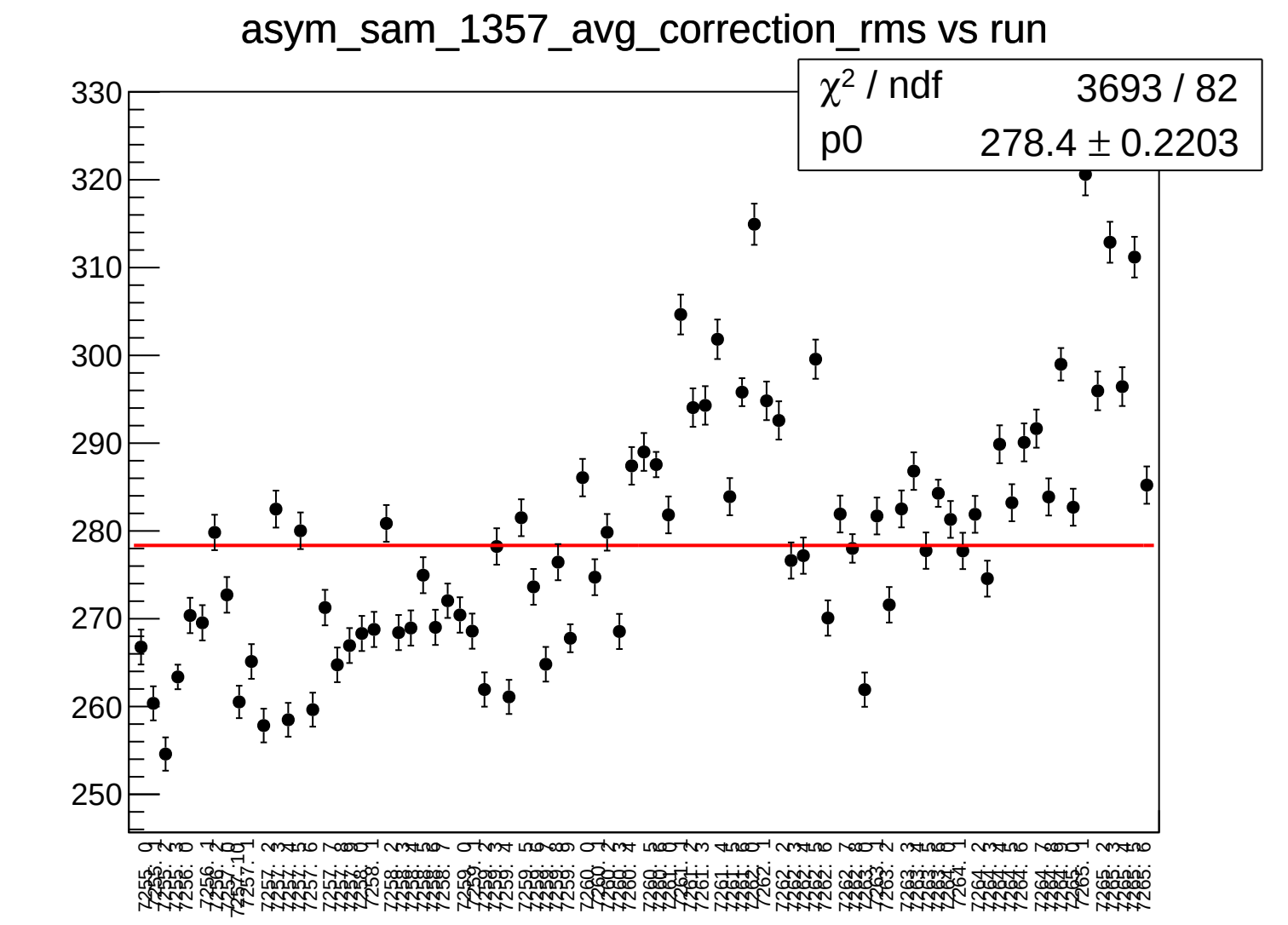

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 66.58 / 82
p0 8.514 ± 52.58
pull
Entries 83
Mean −924.4
Std Dev 979

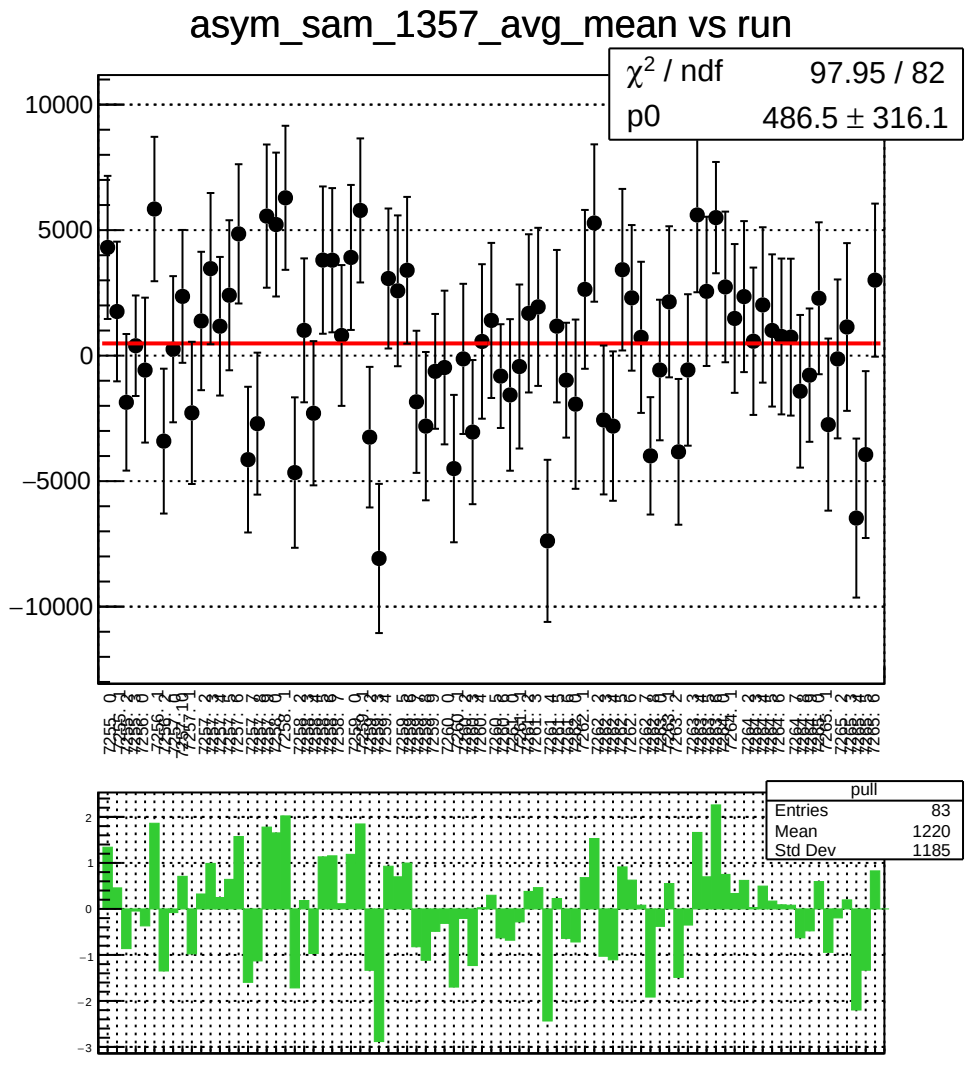

pull1D
Entries 83
Mean 0.002704
Std Dev 0.8956

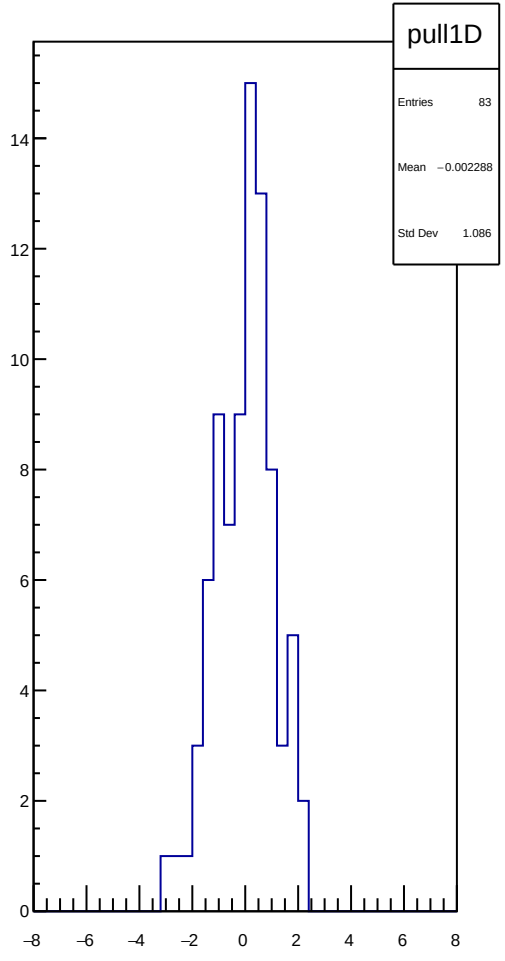

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 1.105e+04 / 82
p0 46.86 ± 0.03718
60
55
50
45
40

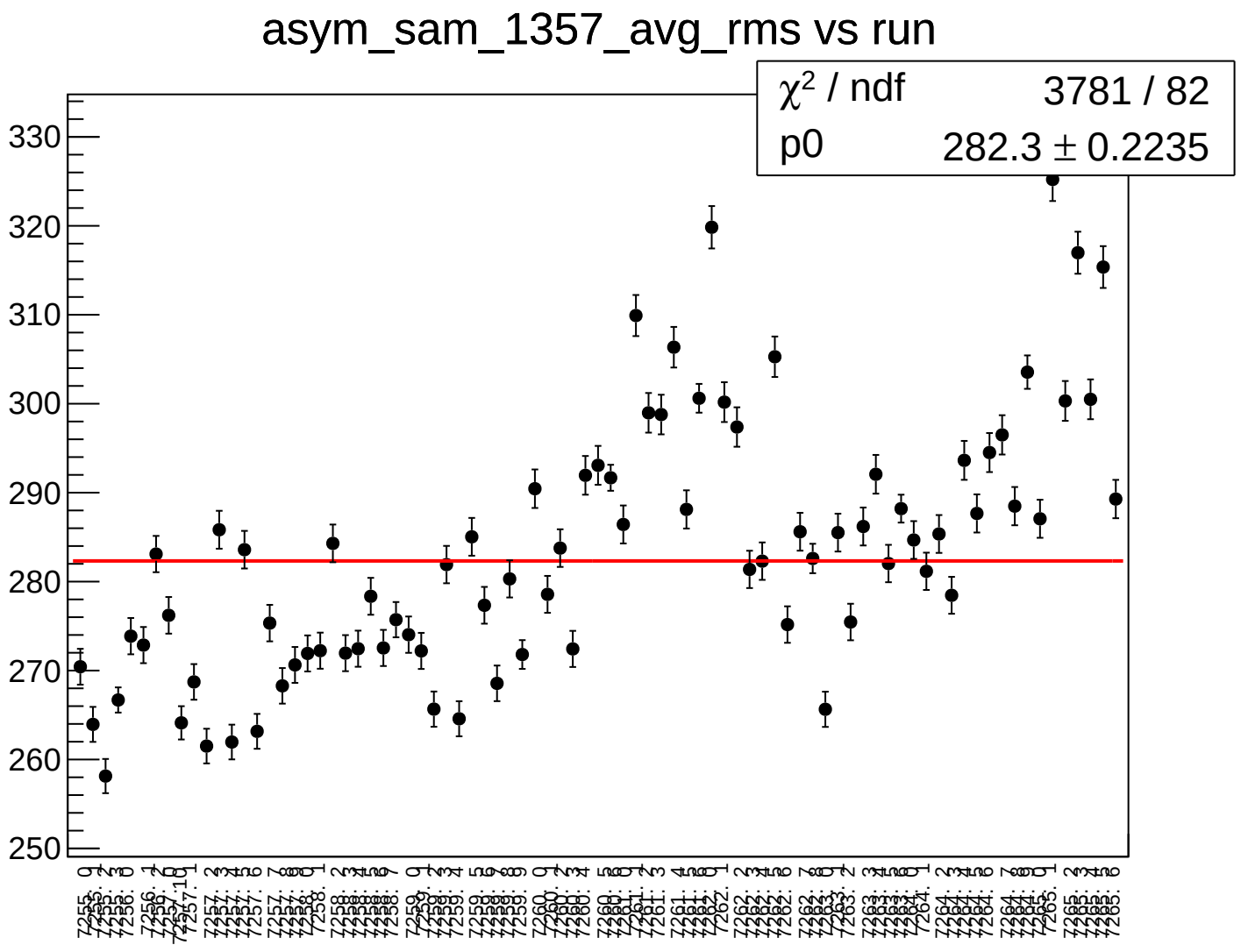

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 95.06 / 82
p0 −475.4 ± 311.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 1002
Std Dev 971.3
3
2
1
0
−1
−2

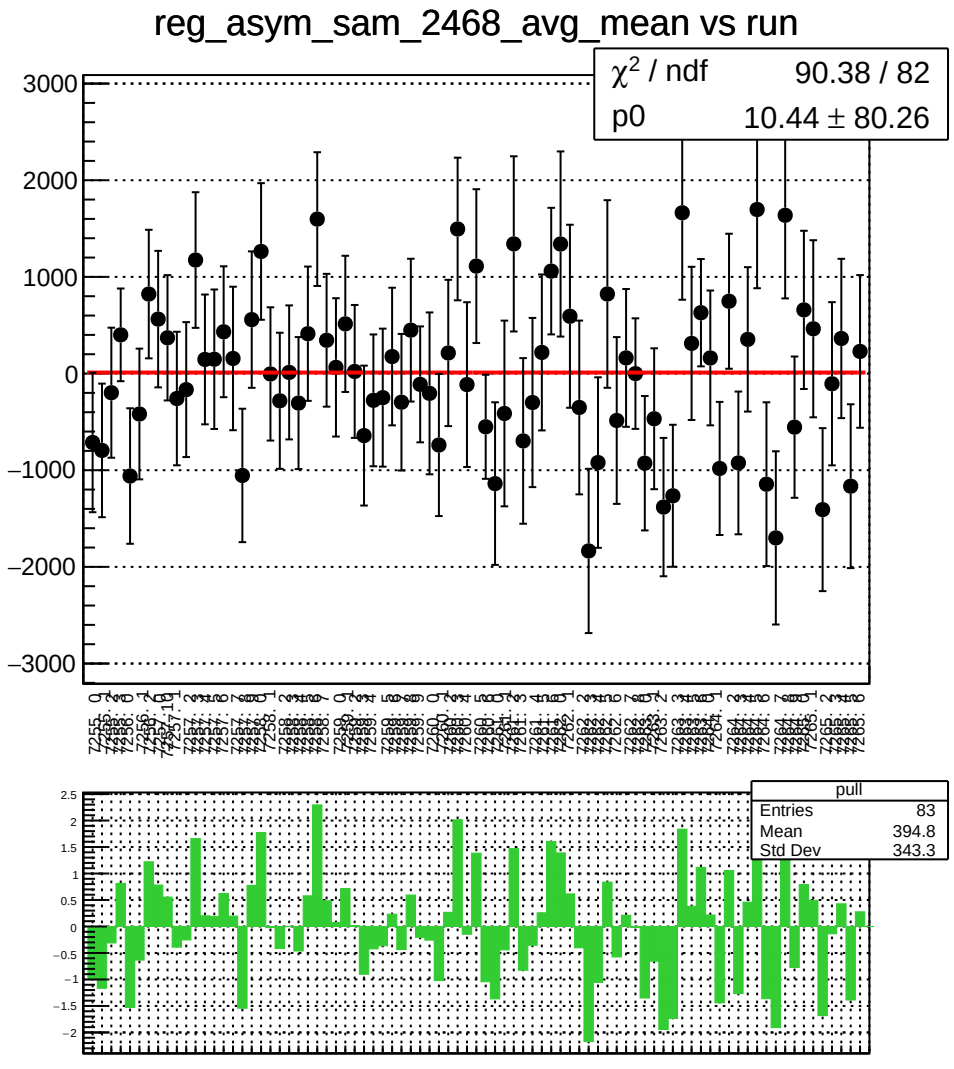

pull1D
Entries 83
Mean 0.002408
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

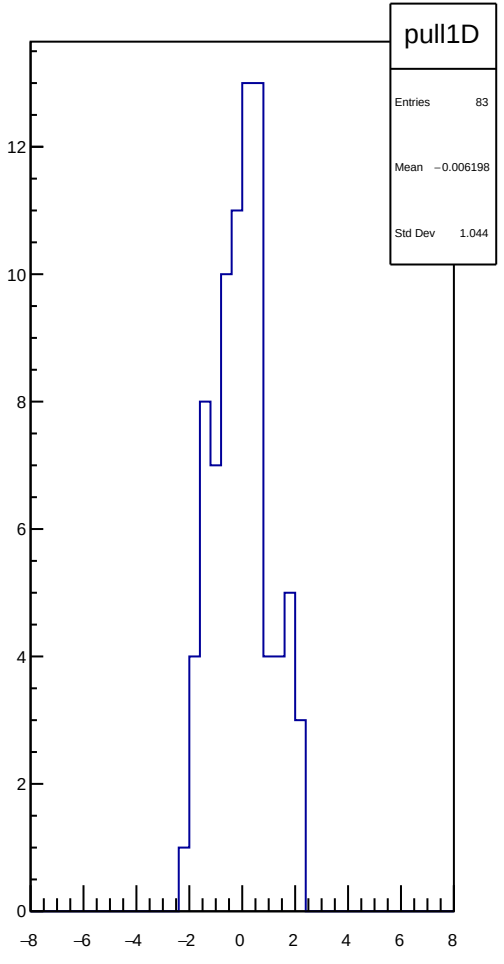

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3693 / 82
p0 278.4 ± 0.2203
330
320
310
300
290
280
270
260
250

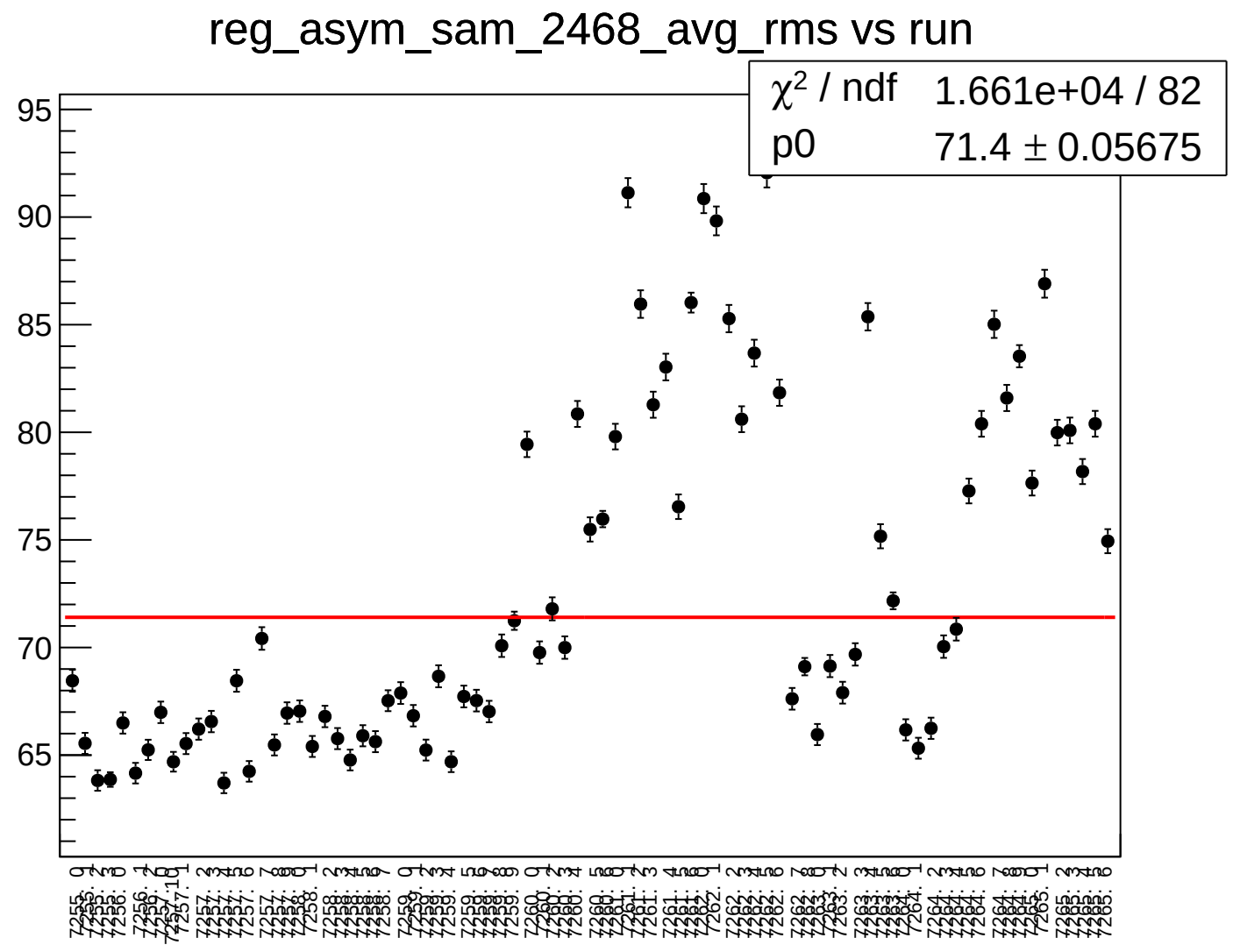

asym_sam_1357_avg_mean vs run
χ² / ndf 97.95 / 82
p0 486.5 ± 316.1
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 1220
Std Dev 1185
2
1
0
−1
−2
−3

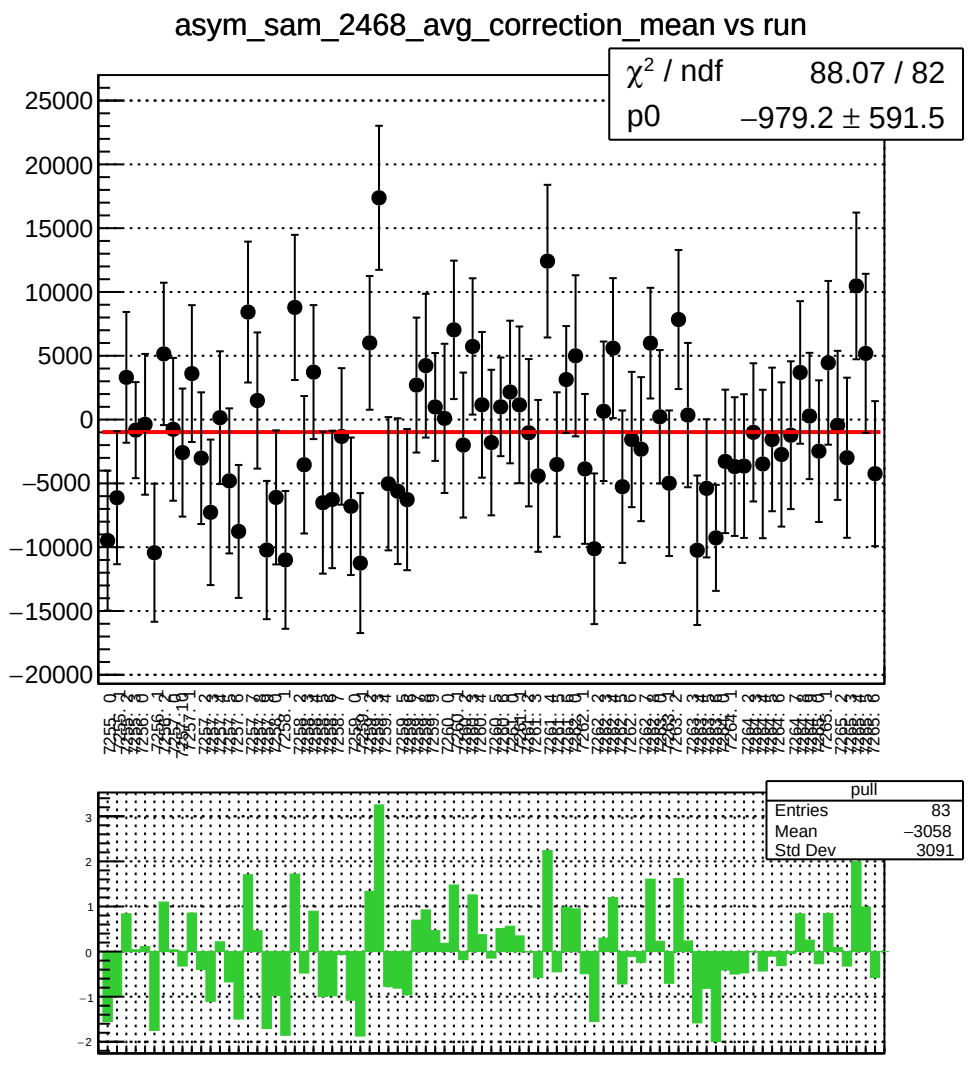

pull1D
Entries 83
Mean −0.002288
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

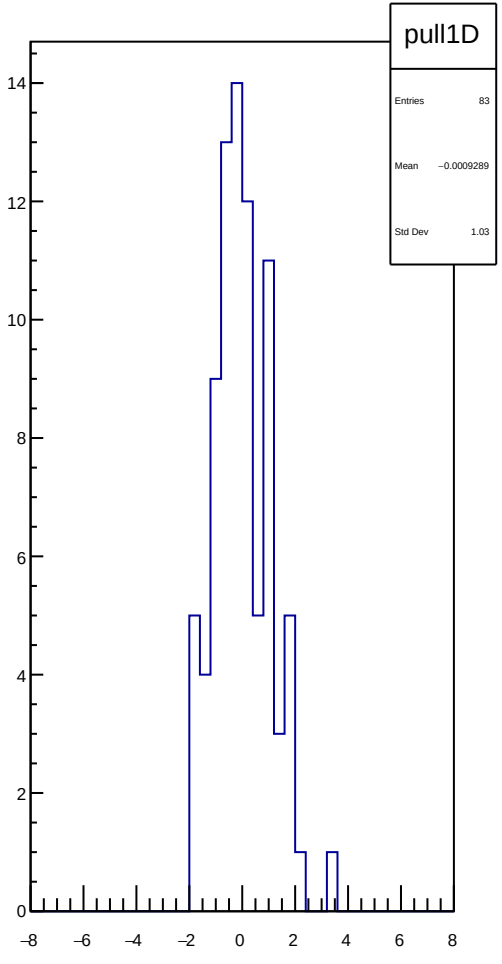

asym_sam_1357_avg_rms vs run
χ² / ndf 3781 / 82
p0 282.3 ± 0.2235
330
320
310
300
290
280
270
260
250

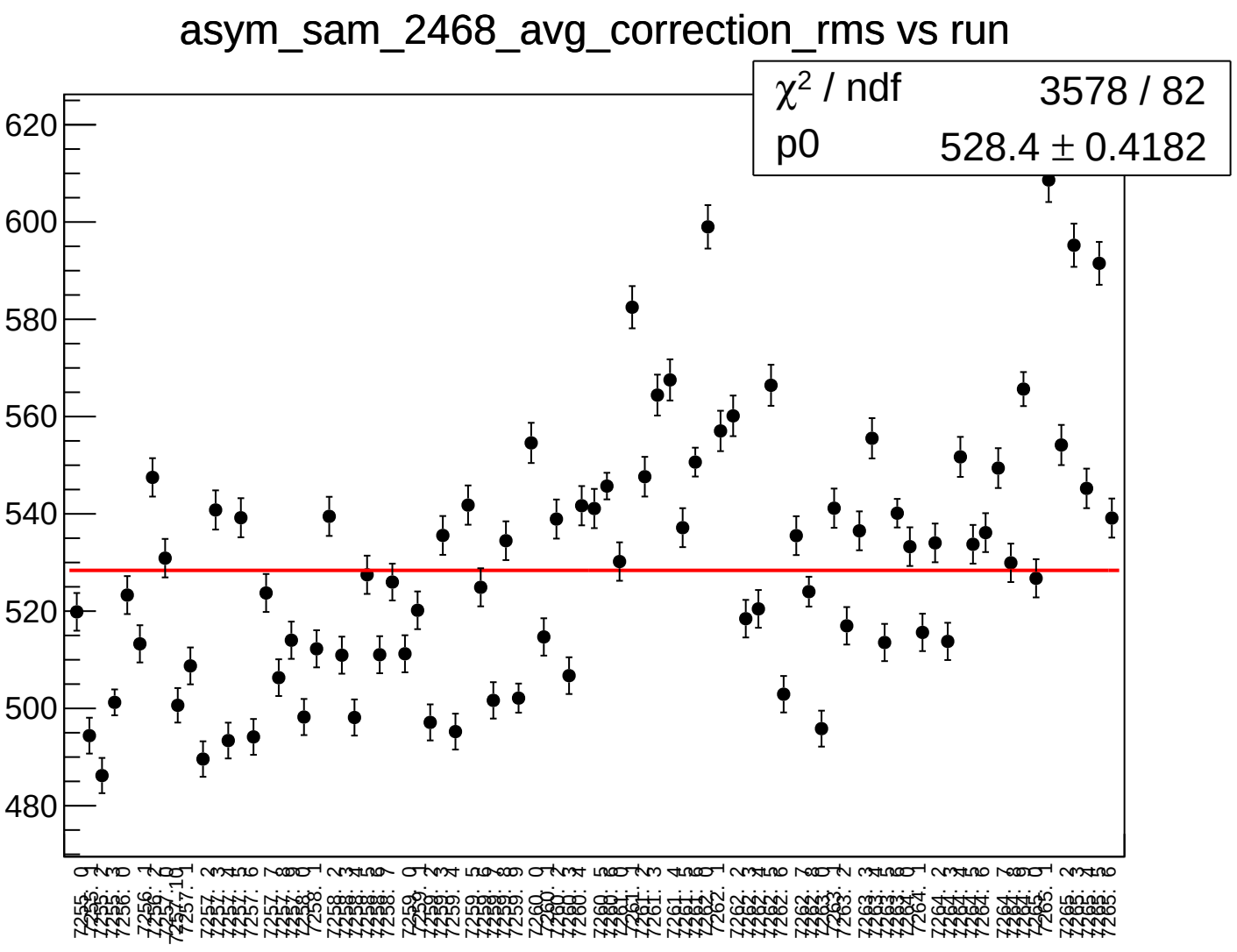

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 90.38 / 82
p0 10.44 ± 80.26
pull
Entries 83
Mean 394.8
Std Dev 343.3

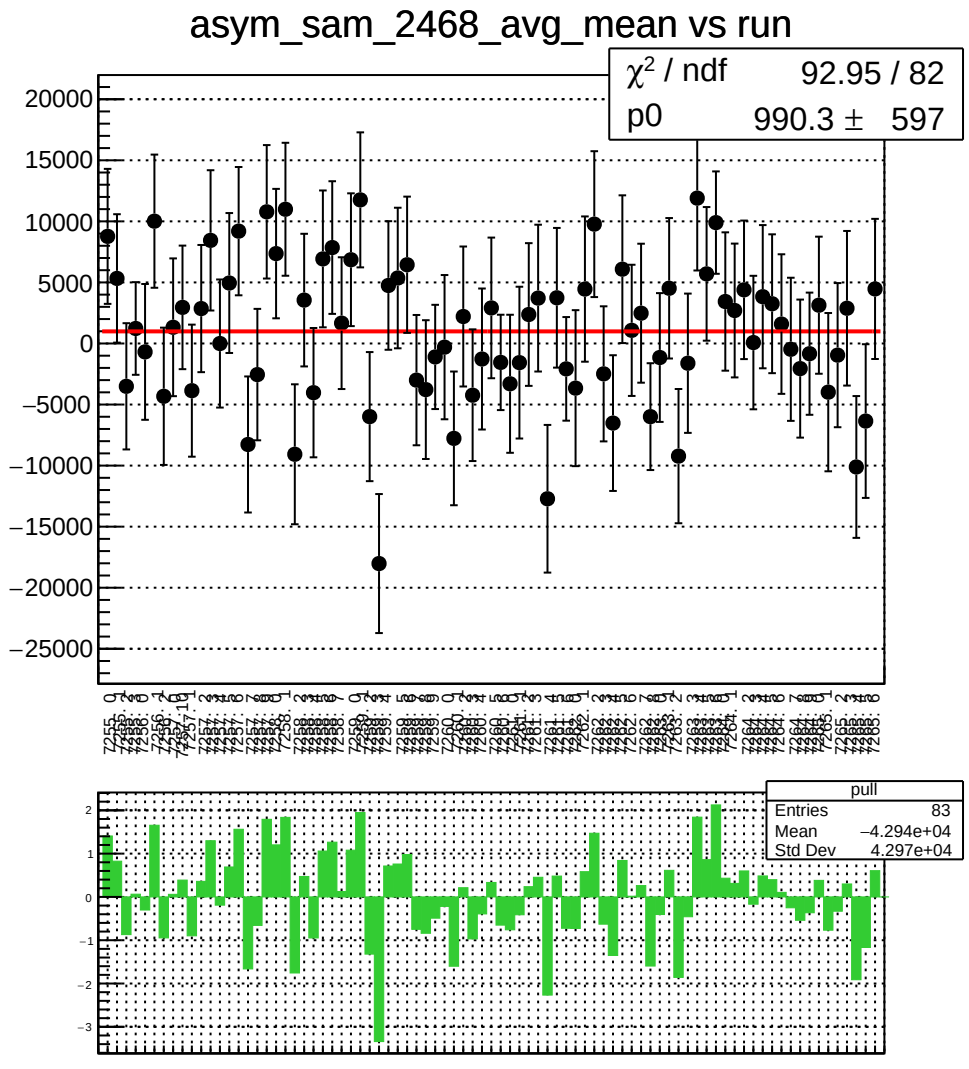

pull1D
Entries 83
Mean −0.006198
Std Dev 1.044

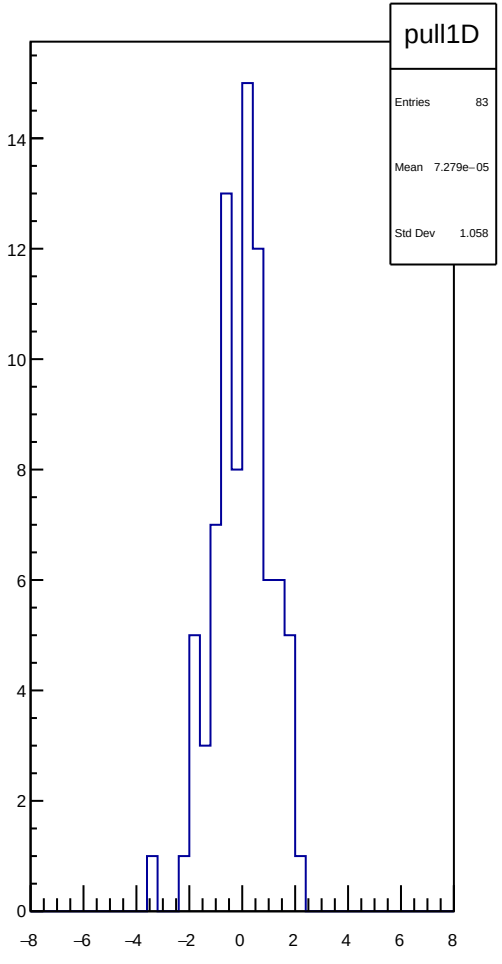

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 1.661e+04 / 82
p0 71.4 ± 0.05675
95
90
85
80
75
70
65

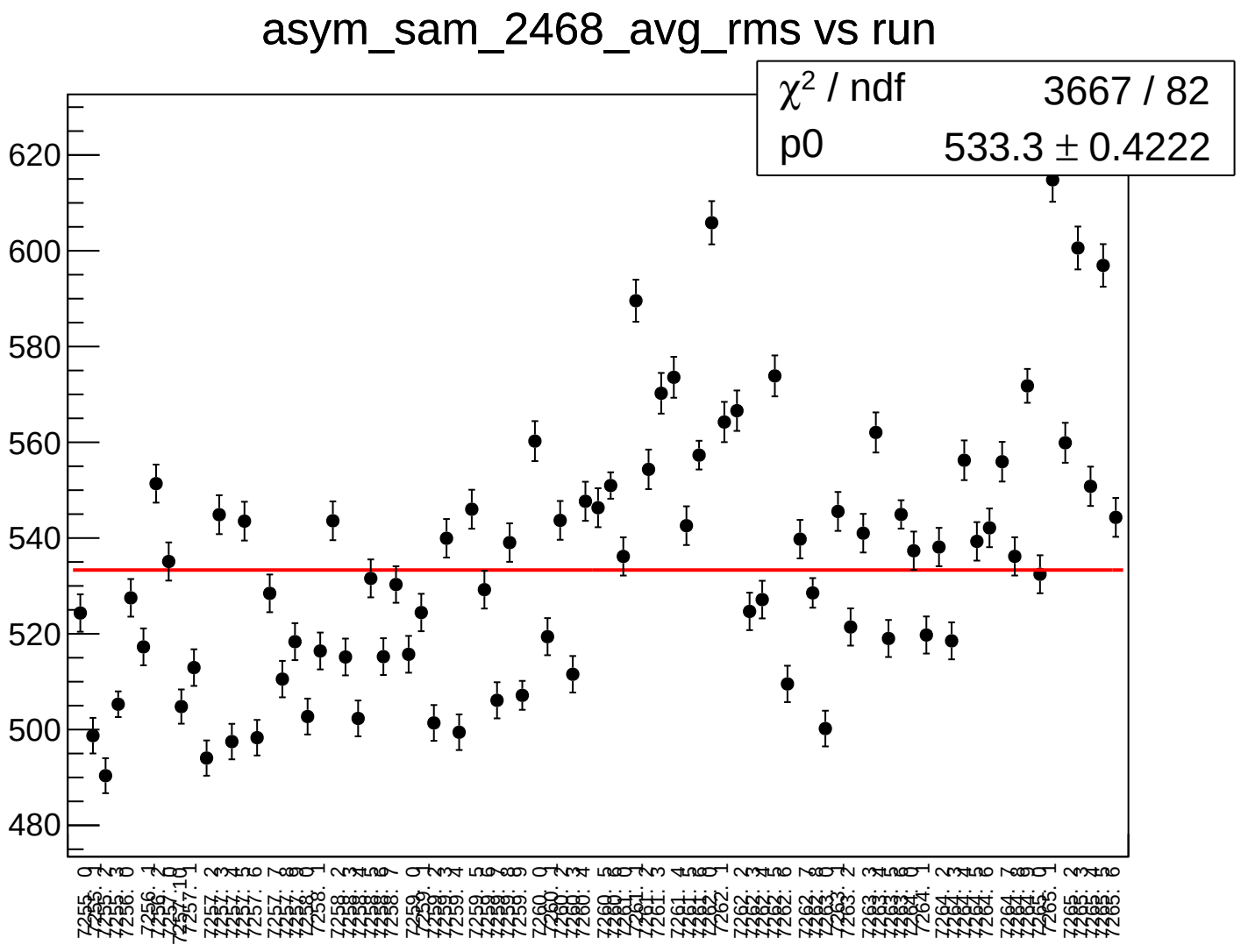

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 88.07 / 82
p0 −979.2 ± 591.5
pull
Entries 83
Mean −3058
Std Dev 3091

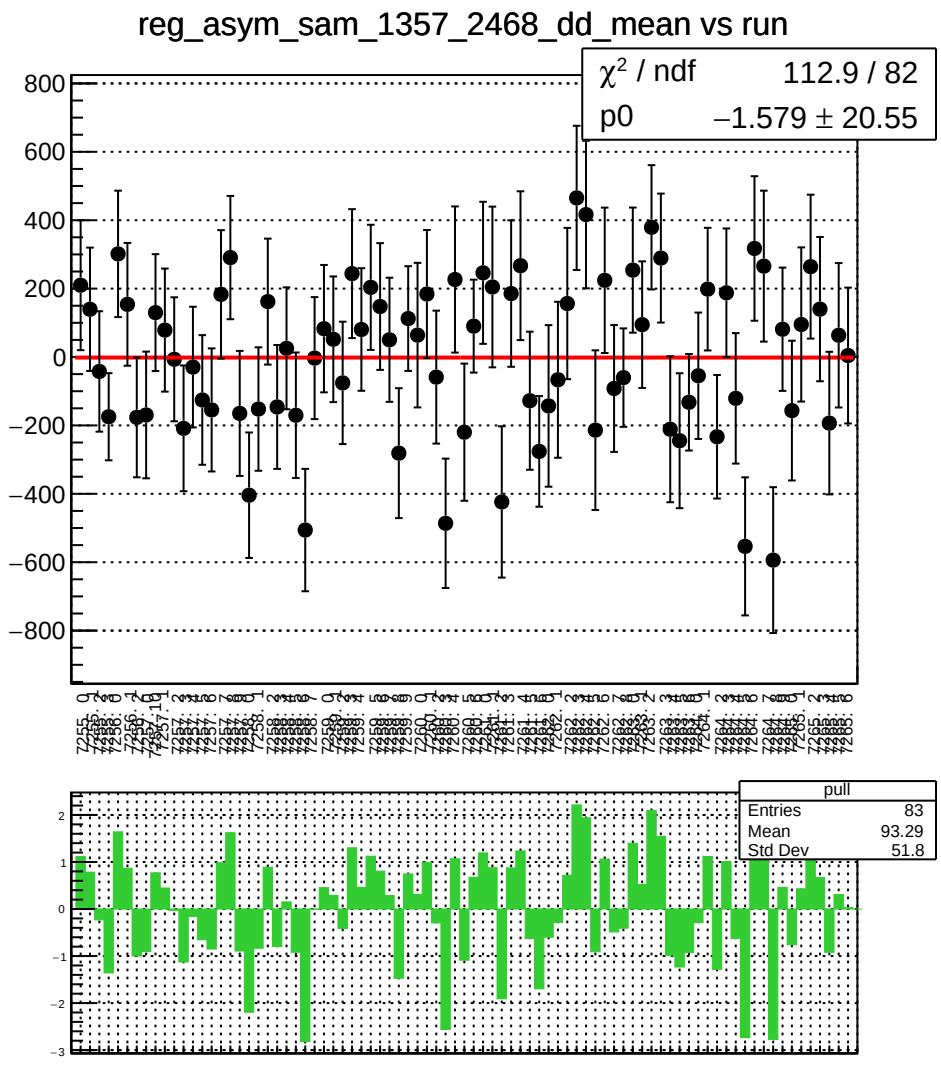

pull1D
Entries 83
Mean −0.0009289
Std Dev 1.03

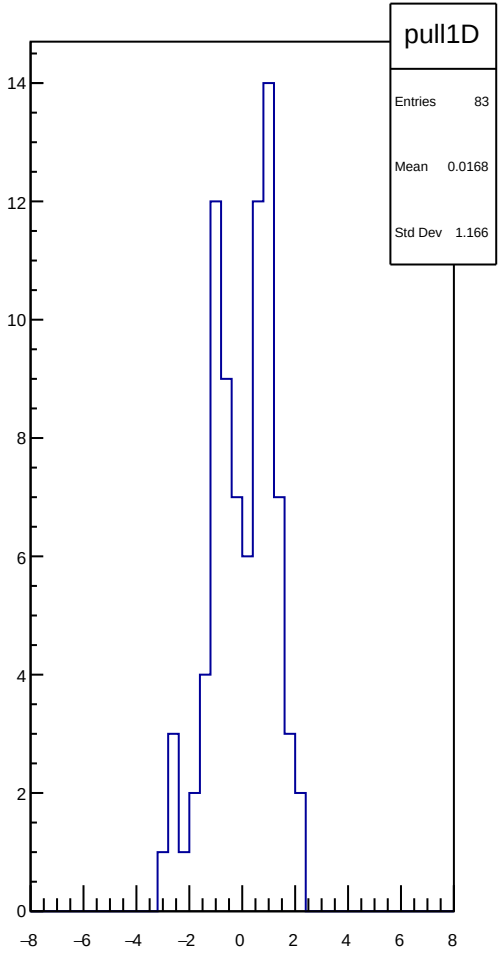

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3578 / 82
p0 528.4 ± 0.4182
620
600
580
560
540
520
500
480

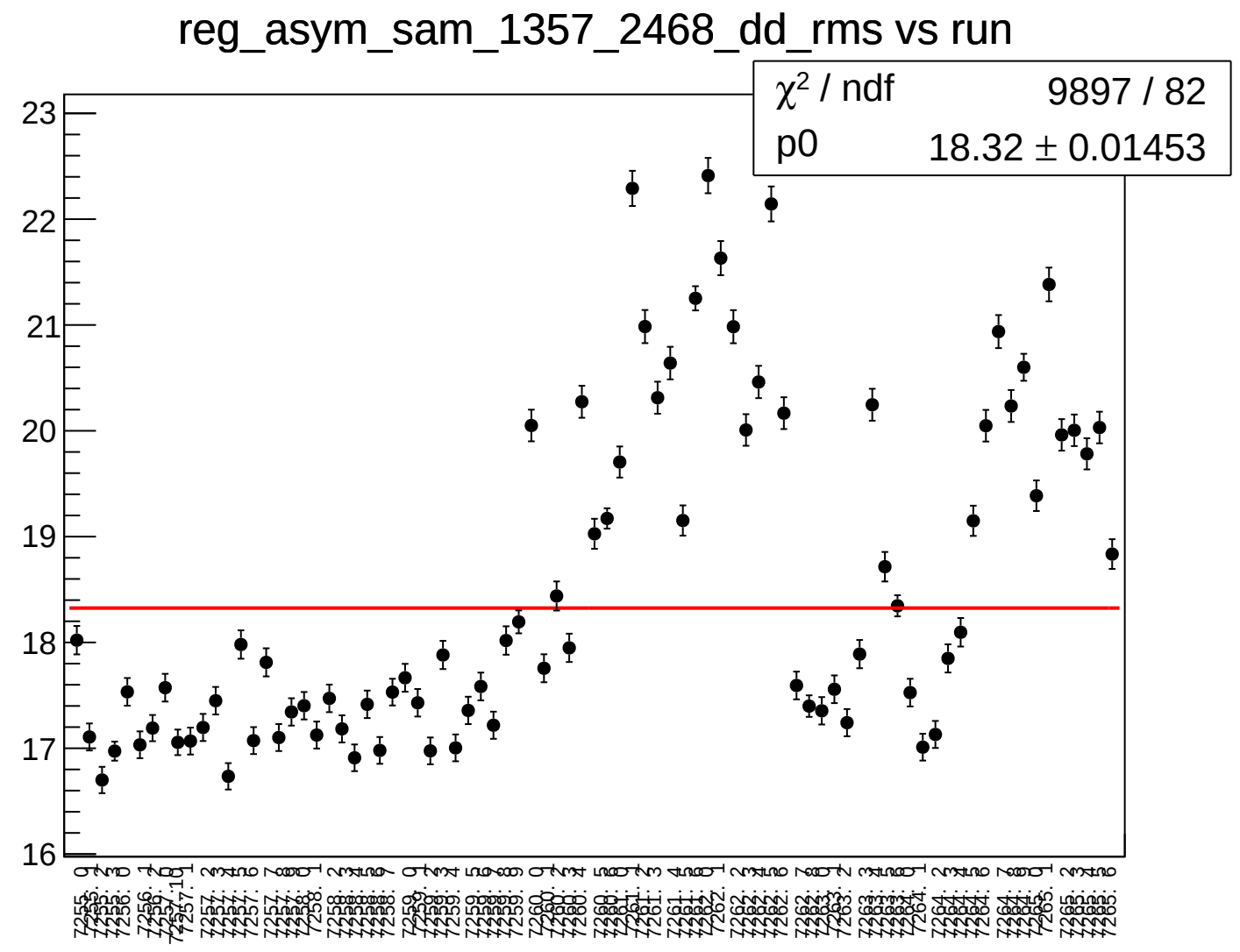

asym_sam_2468_avg_mean vs run
χ² / ndf 92.95 / 82
p0 990.3 ± 597
pull
Entries 83
Mean −4.294e+04
Std Dev 4.297e+04

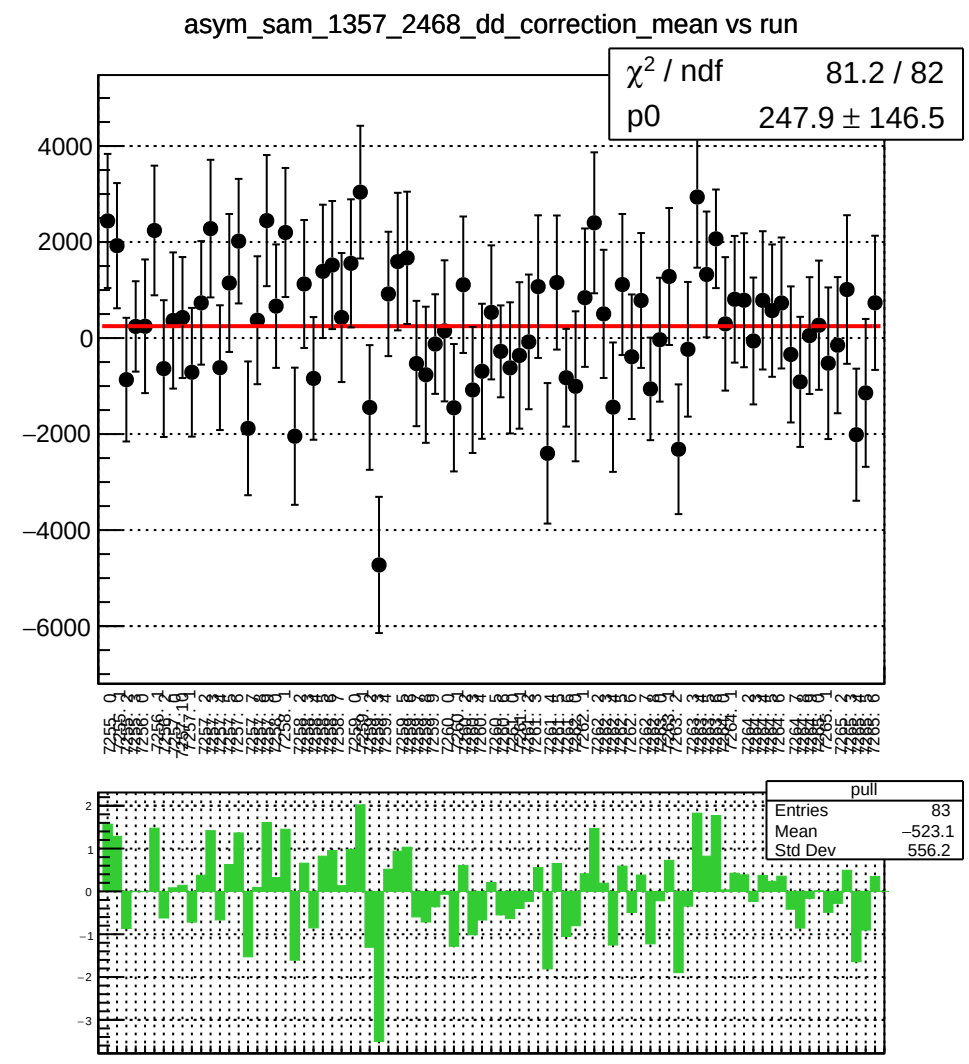

pull1D
Entries 83
Mean 7.279e−05
Std Dev 1.058

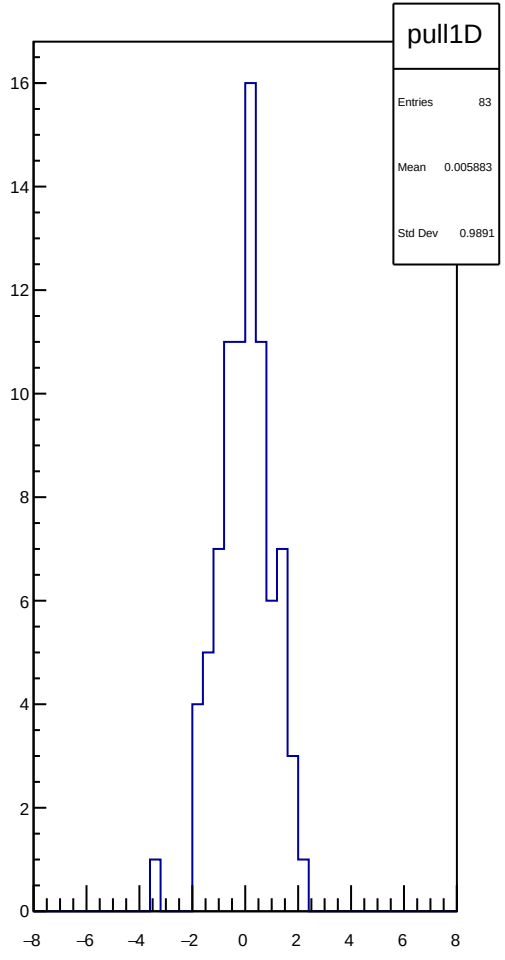

asym_sam_2468_avg_rms vs run
χ² / ndf 3667 / 82
p0 533.3 ± 0.4222
620
600
580
560
540
520
500
480

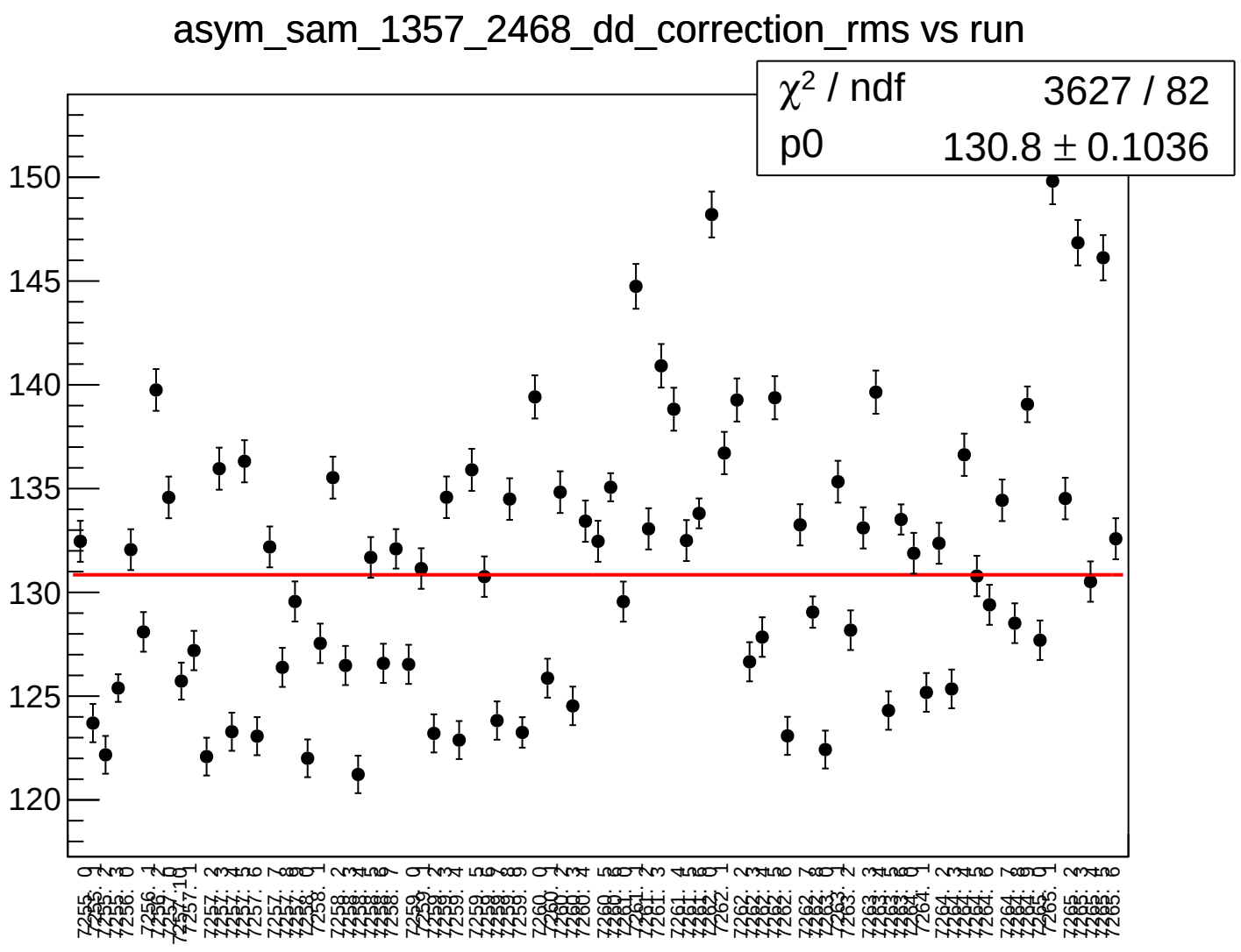

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 112.9 / 82
p0 −1.579 ± 20.55
pull
Entries 83
Mean 93.29
Std Dev 51.8

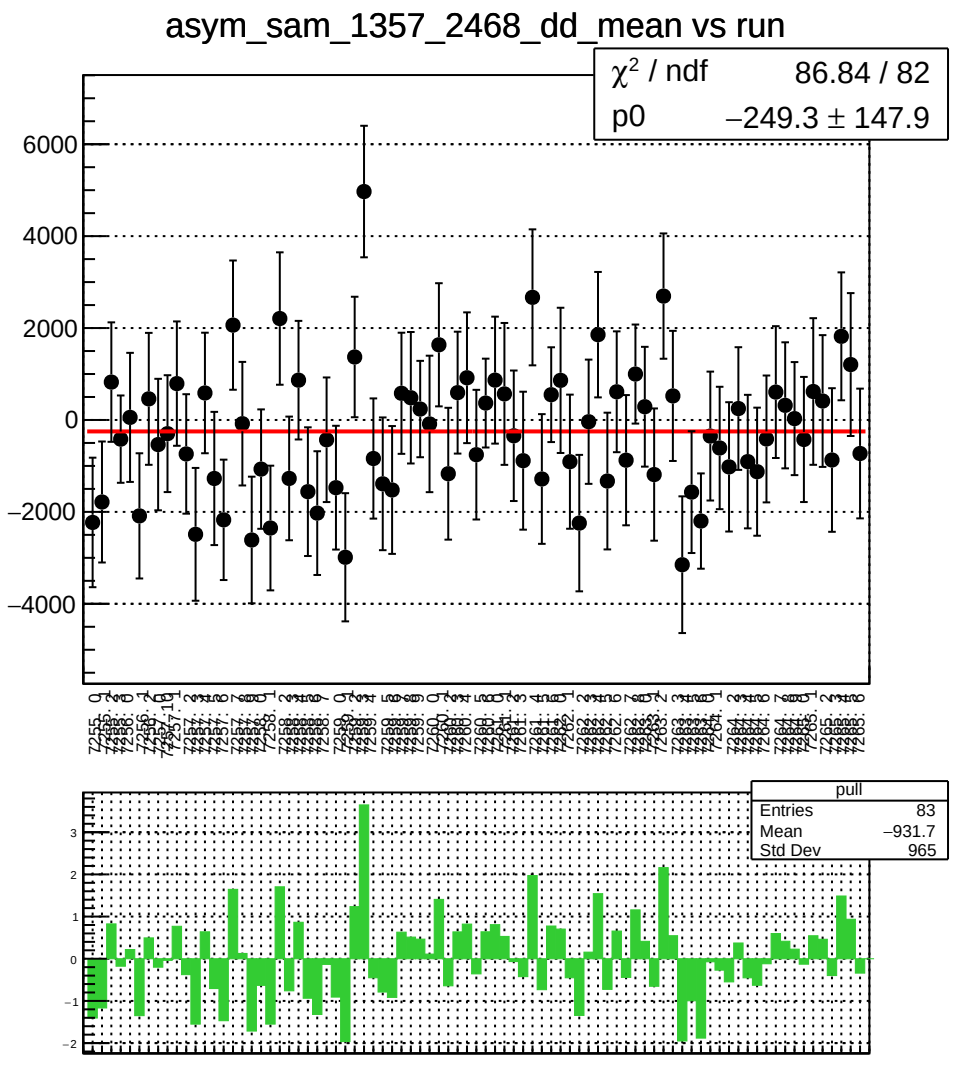

pull1D
Entries 83
Mean 0.0168
Std Dev 1.166

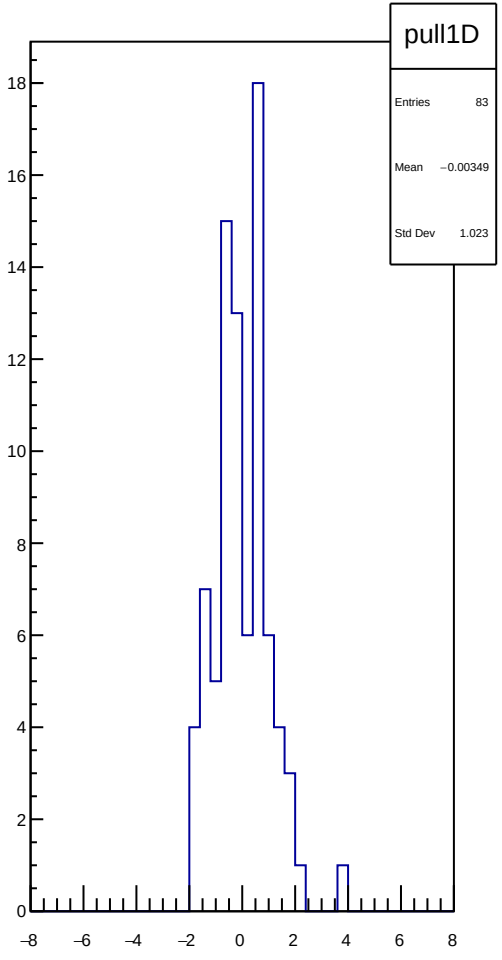

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9897 / 82
p0 18.32 ± 0.01453
23
22
21
20
19
18
17
16

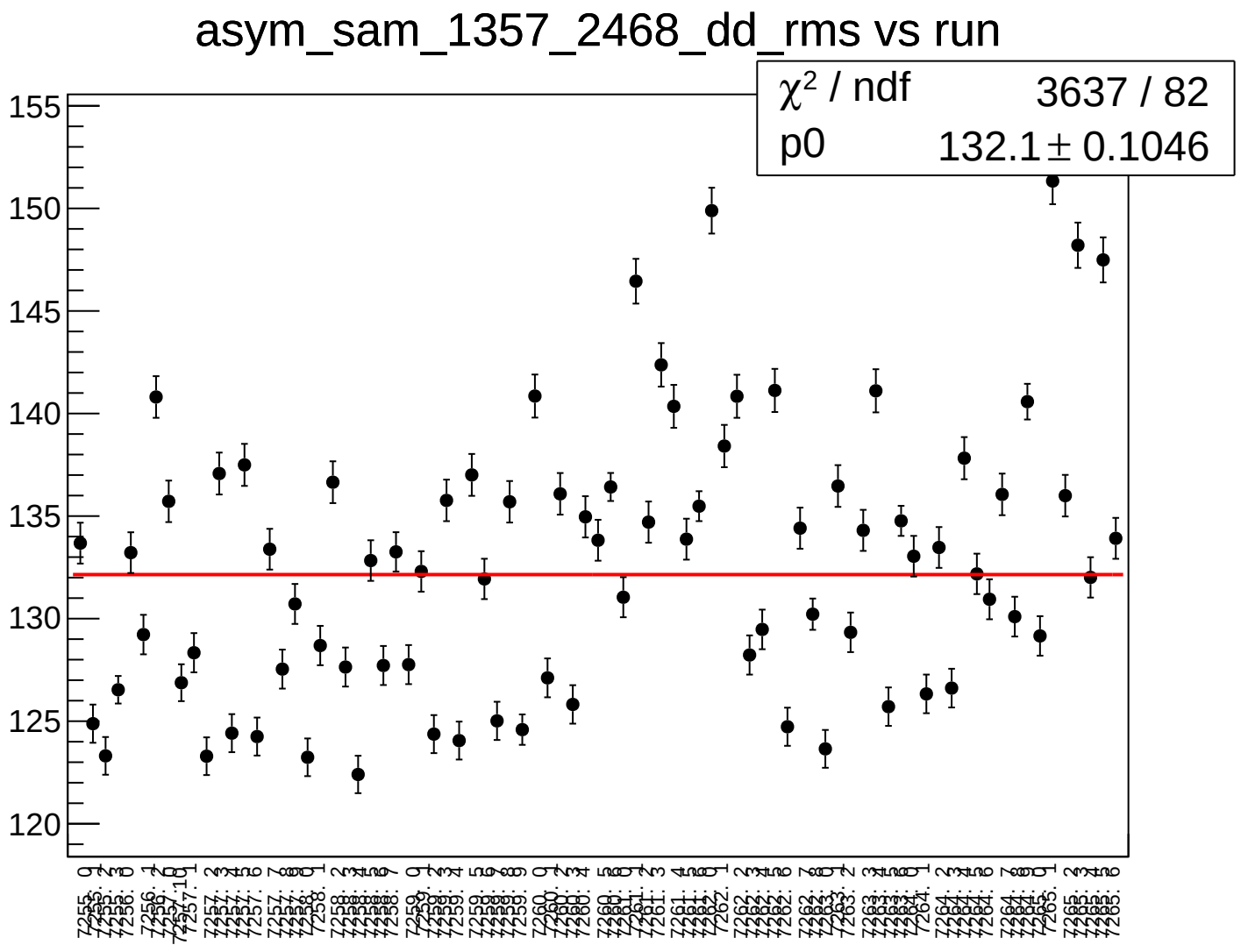

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 81.2 / 82
p0 247.9 ± 146.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean −523.1
Std Dev 556.2
2
1
0
−1
−2
−3

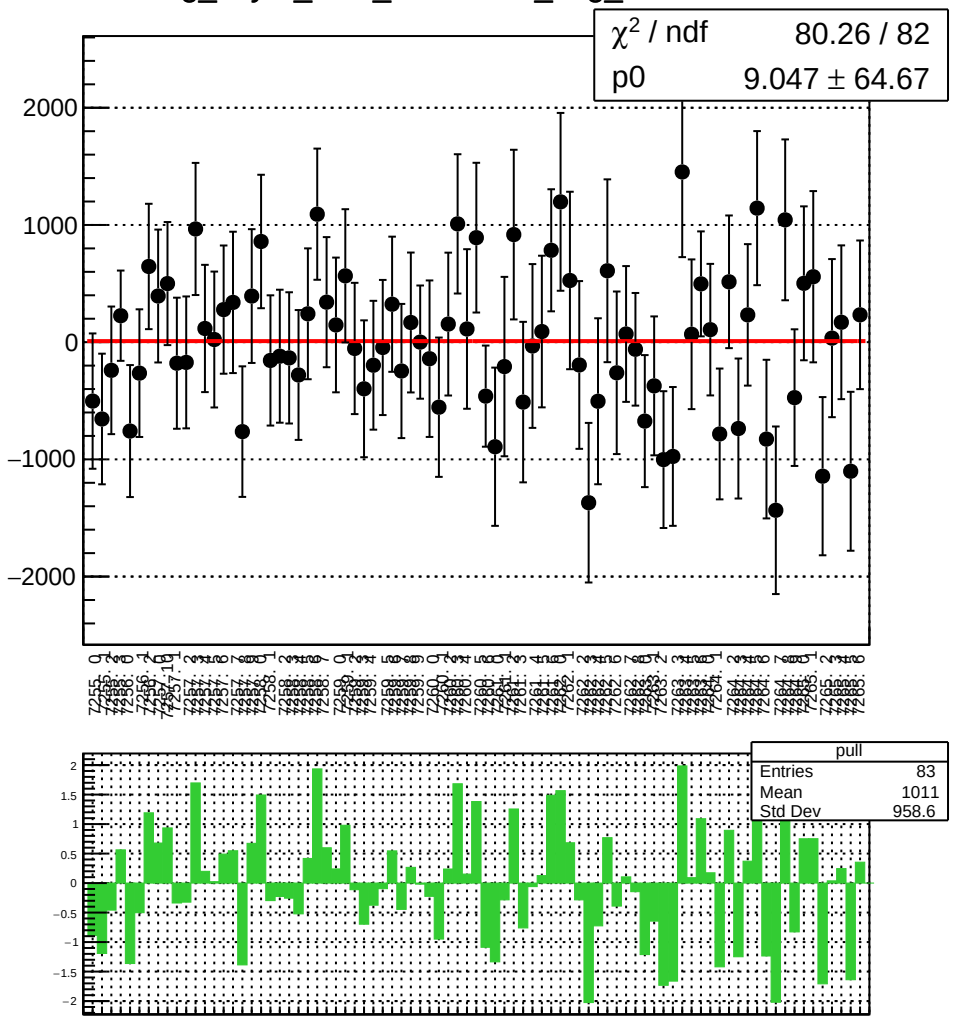

pull1D
Entries 83
Mean 0.005883
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

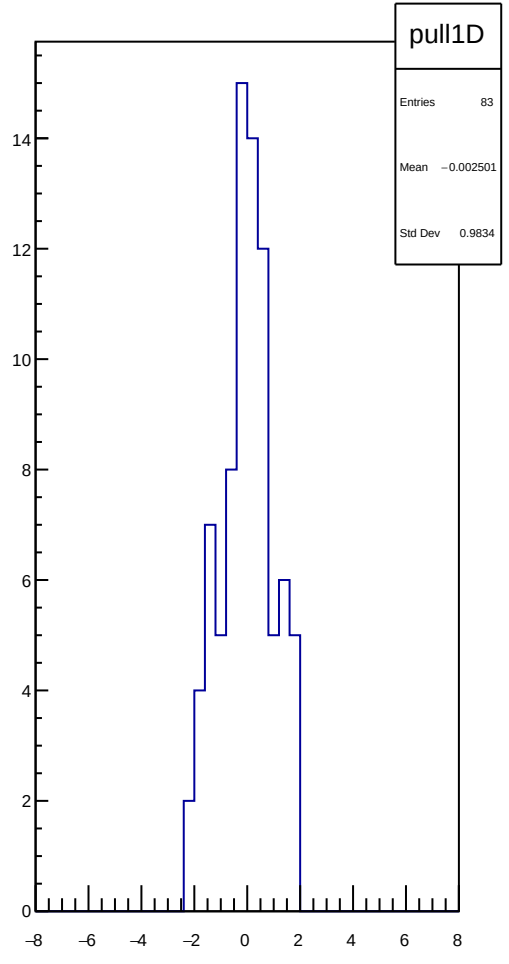

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3627 / 82
p0 130.8 ± 0.1036
150
145
140
135
130
125
120

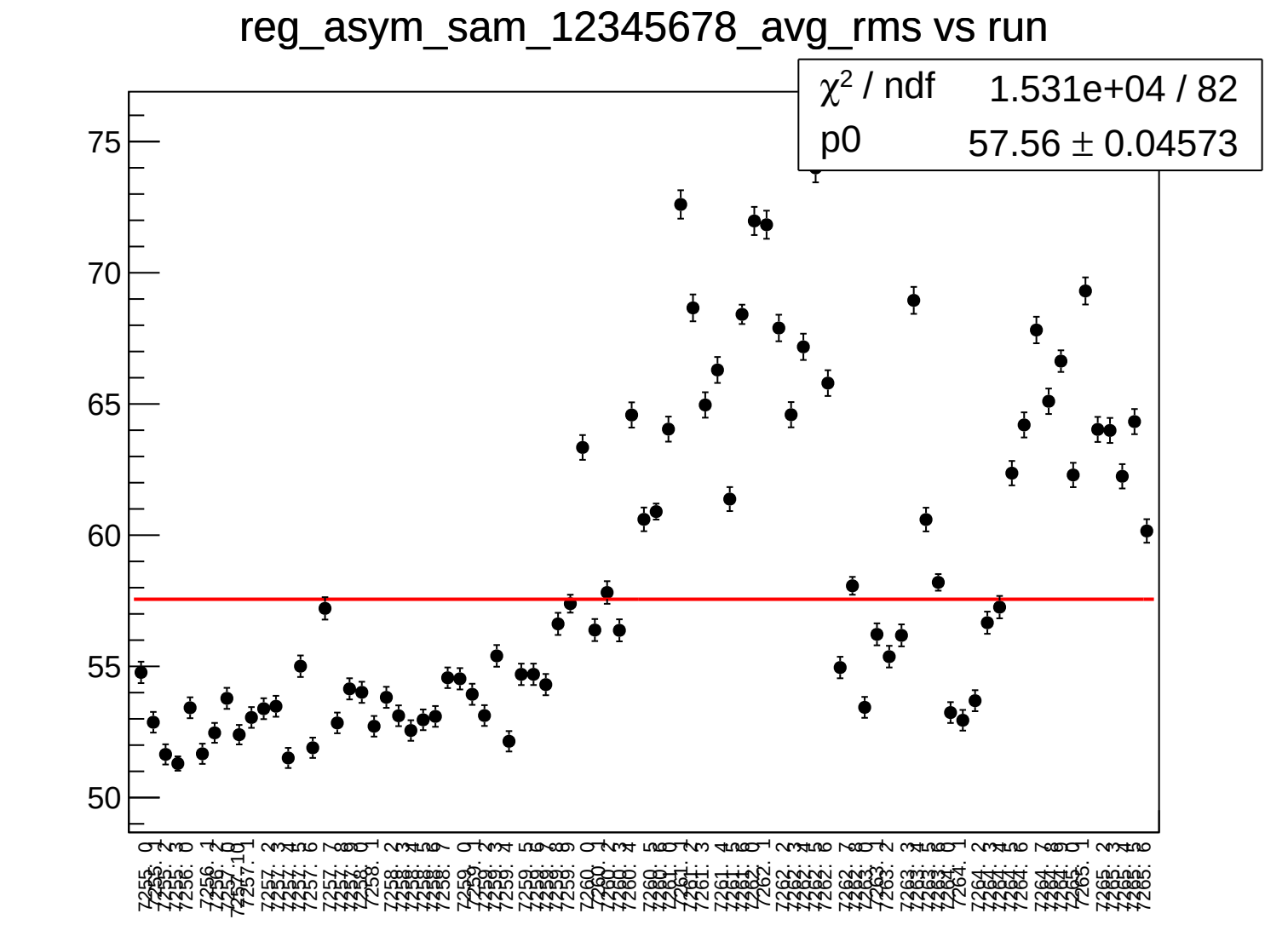

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 86.84 / 82
p0 −249.3 ± 147.9
pull
Entries 83
Mean −931.7
Std Dev 965

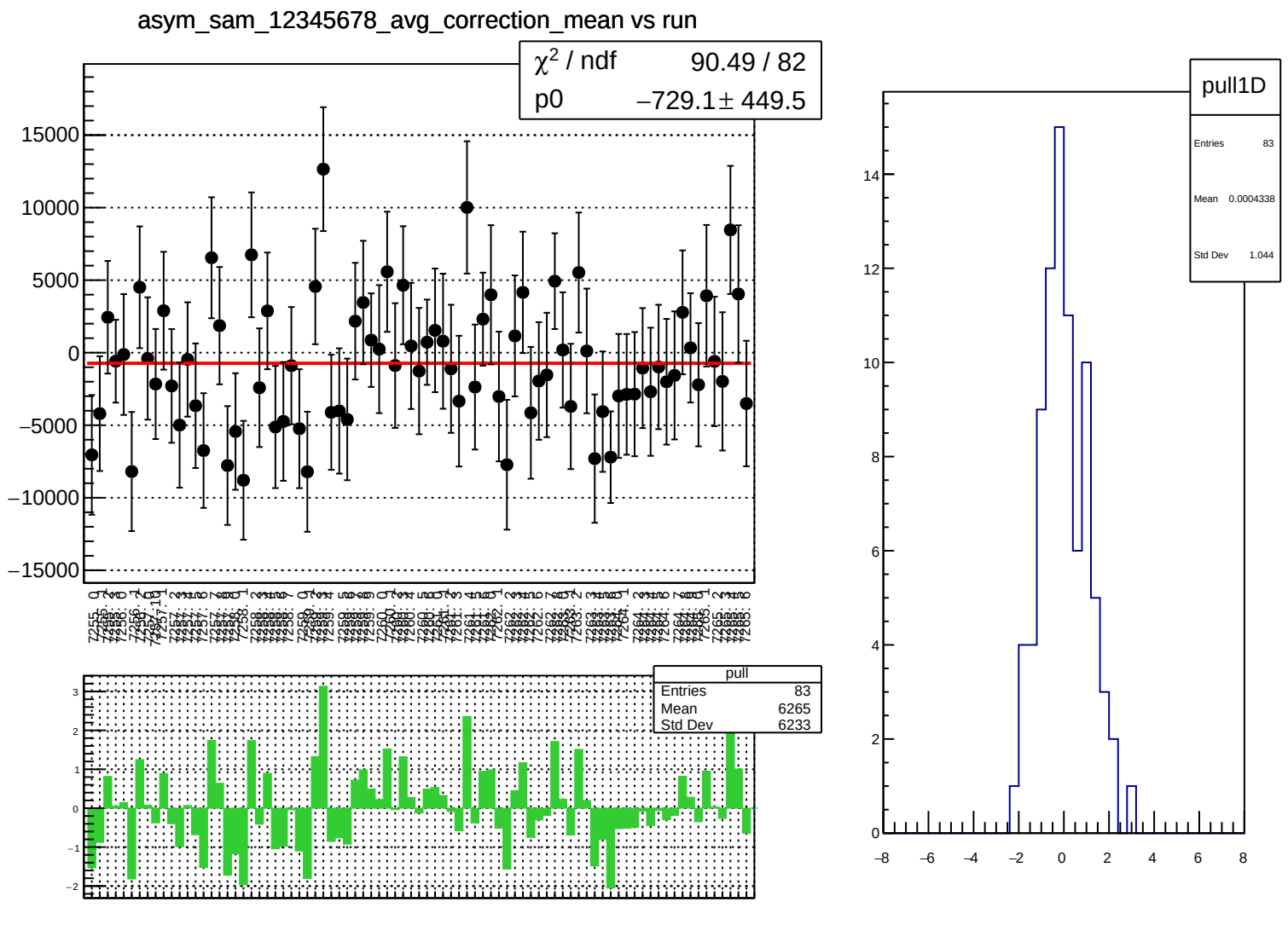

pull1D
Entries 83
Mean −0.00349
Std Dev 1.023

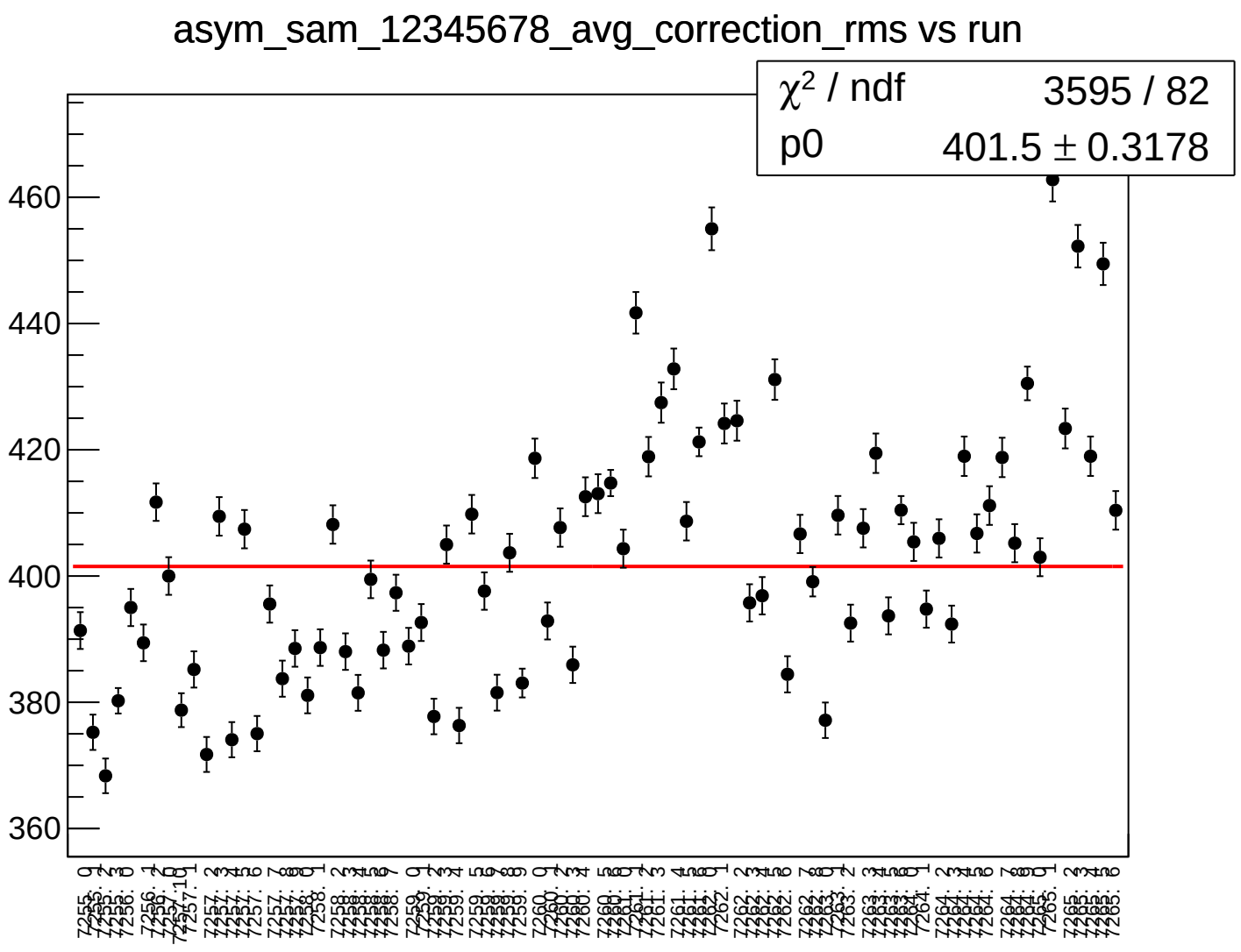

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3637 / 82
p0 132.1 ± 0.1046
155
150
145
140
135
130
125
120

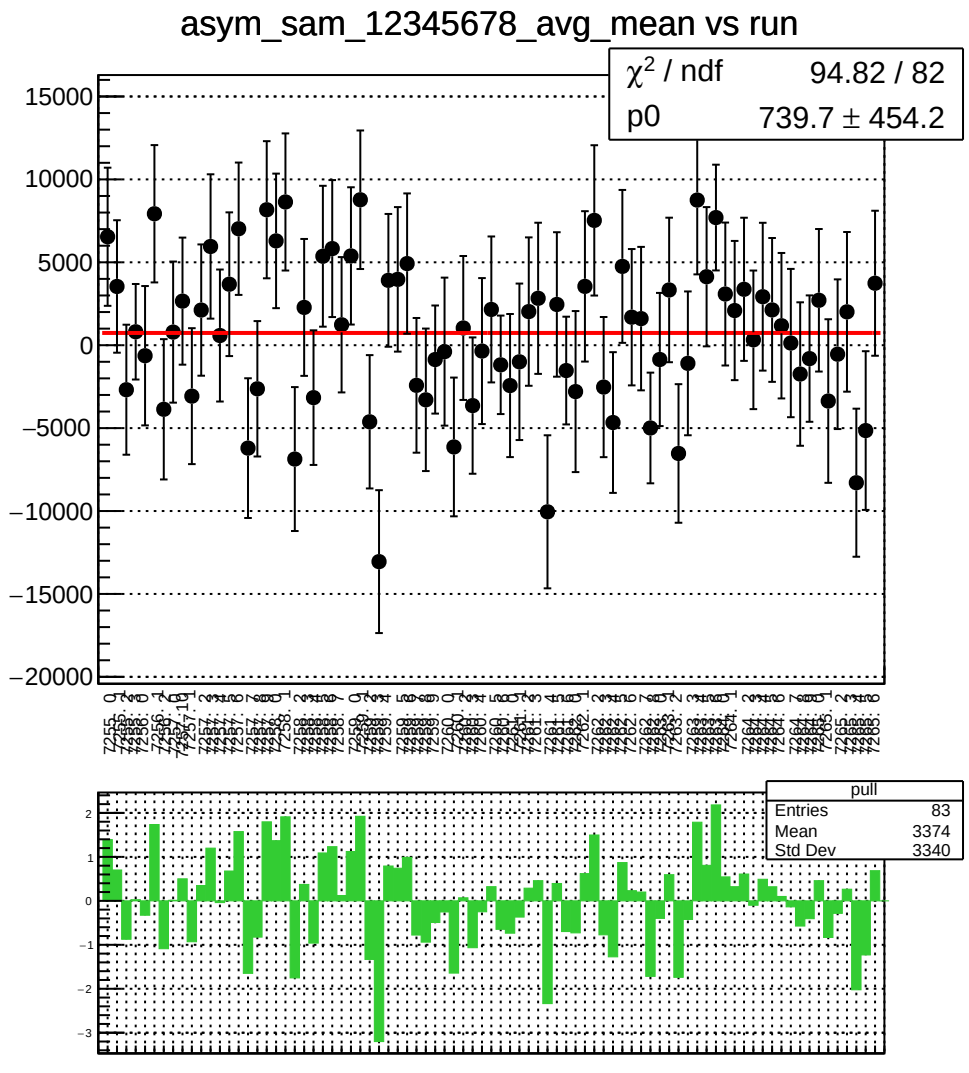

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 80.26 / 82
p0 9.047 ± 64.67
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 1011
Std Dev 958.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

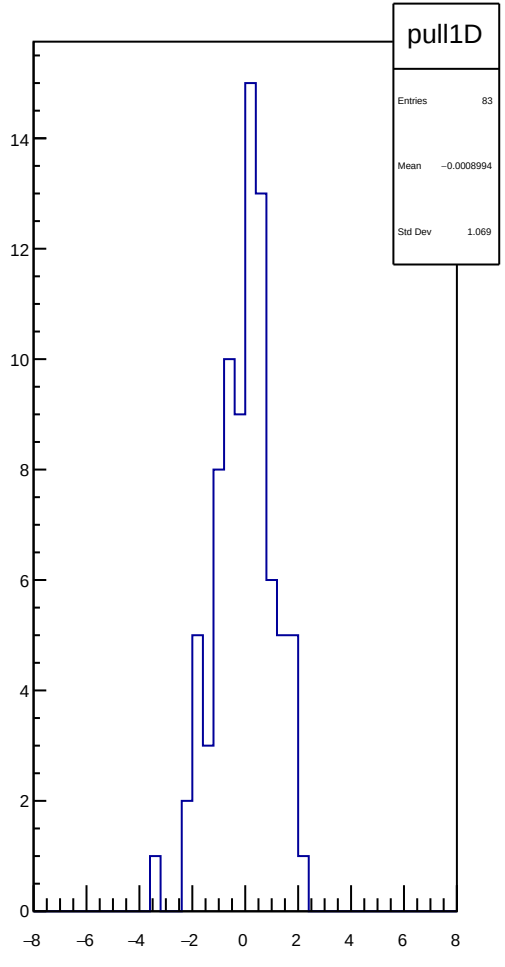

pull1D
Entries 83
Mean −0.002501
Std Dev 0.9834
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

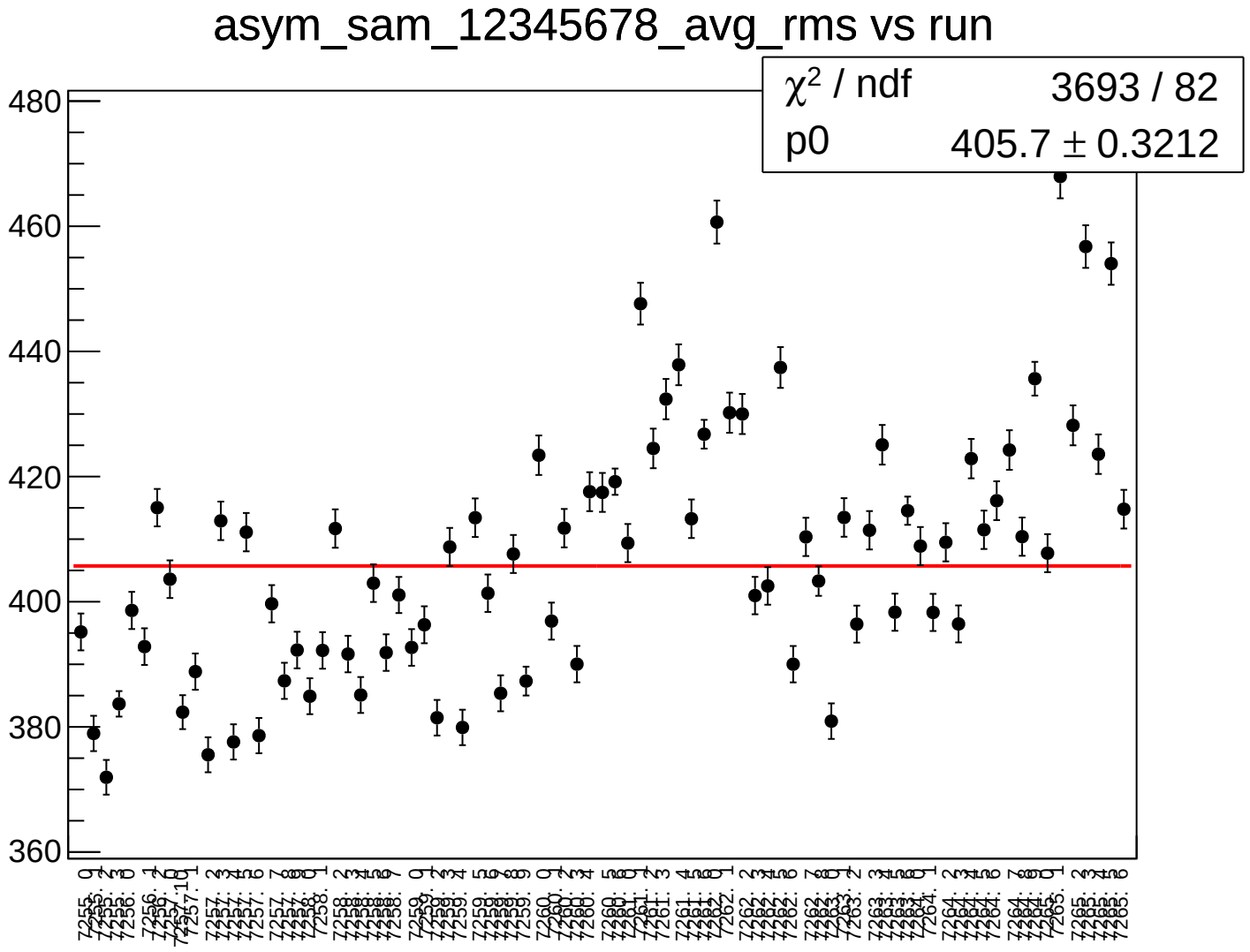

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.531e+04 / 82
p0 57.56 ± 0.04573
75
70
65
60
55
50

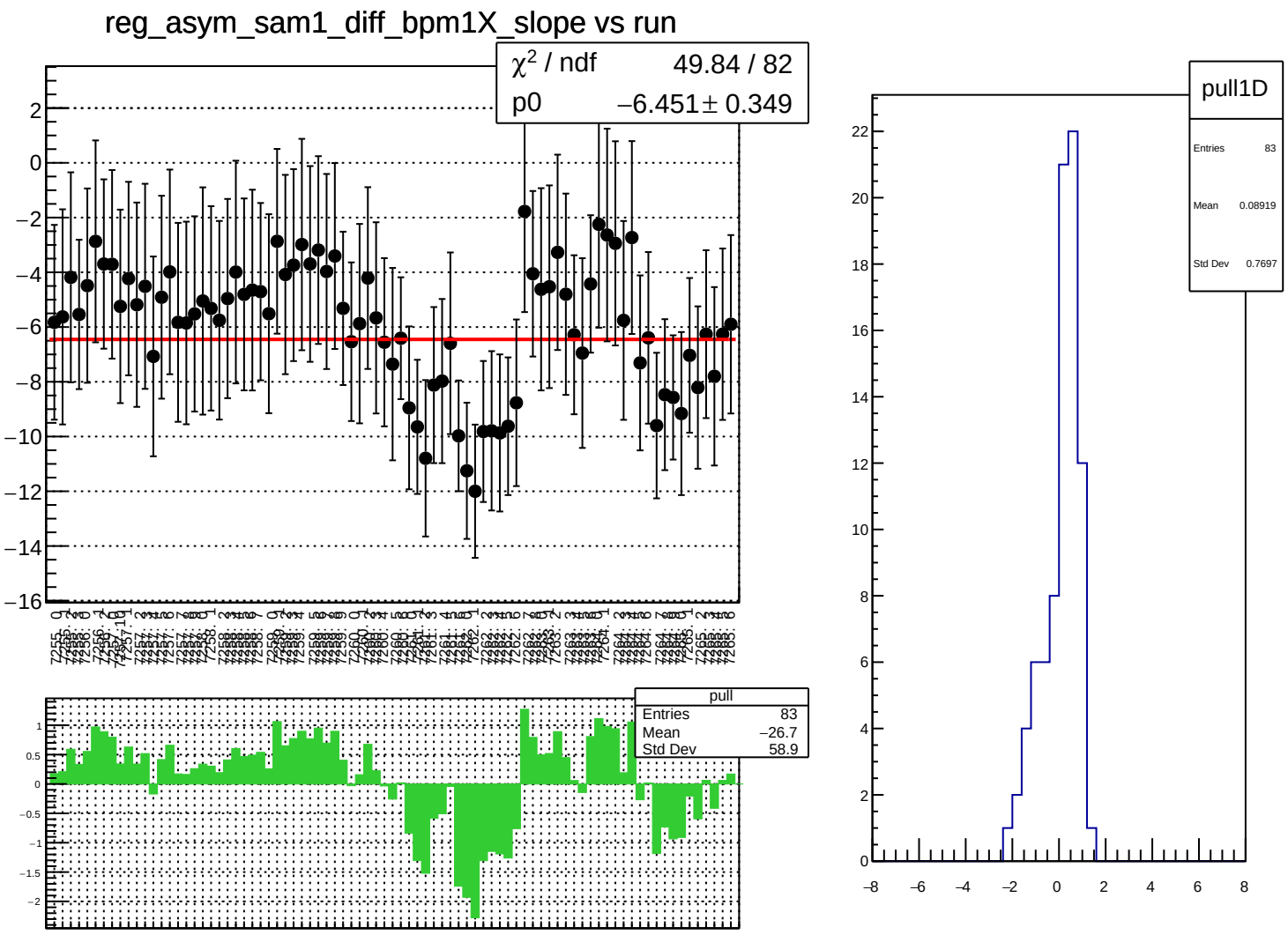

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 90.49 / 82
p0 −729.1± 449.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 6265
Std Dev 6233
pull1D
Entries 83
Mean 0.0004338
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

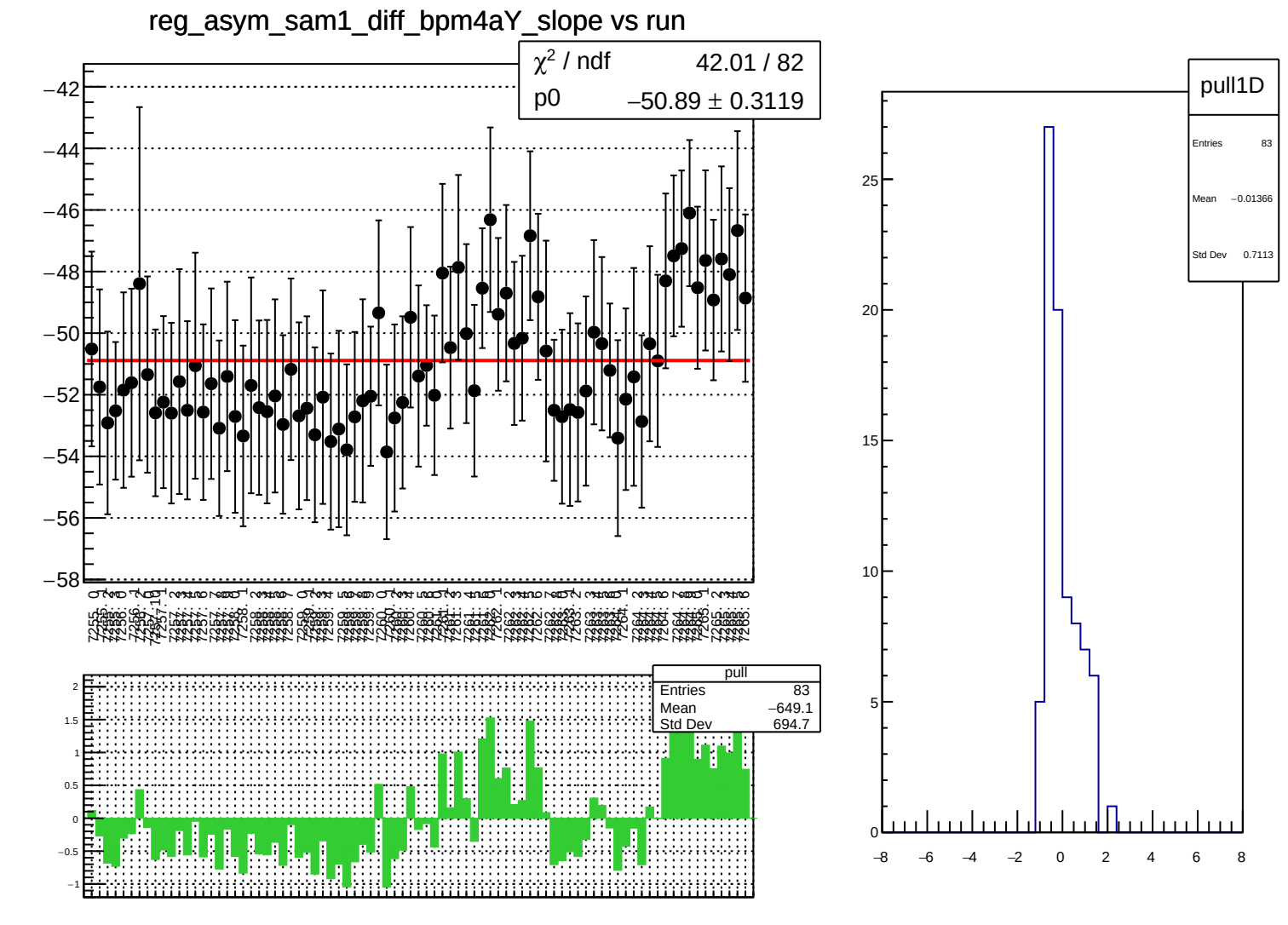

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3595 / 82
p0 401.5 ± 0.3178
460
440
420
400
380
360

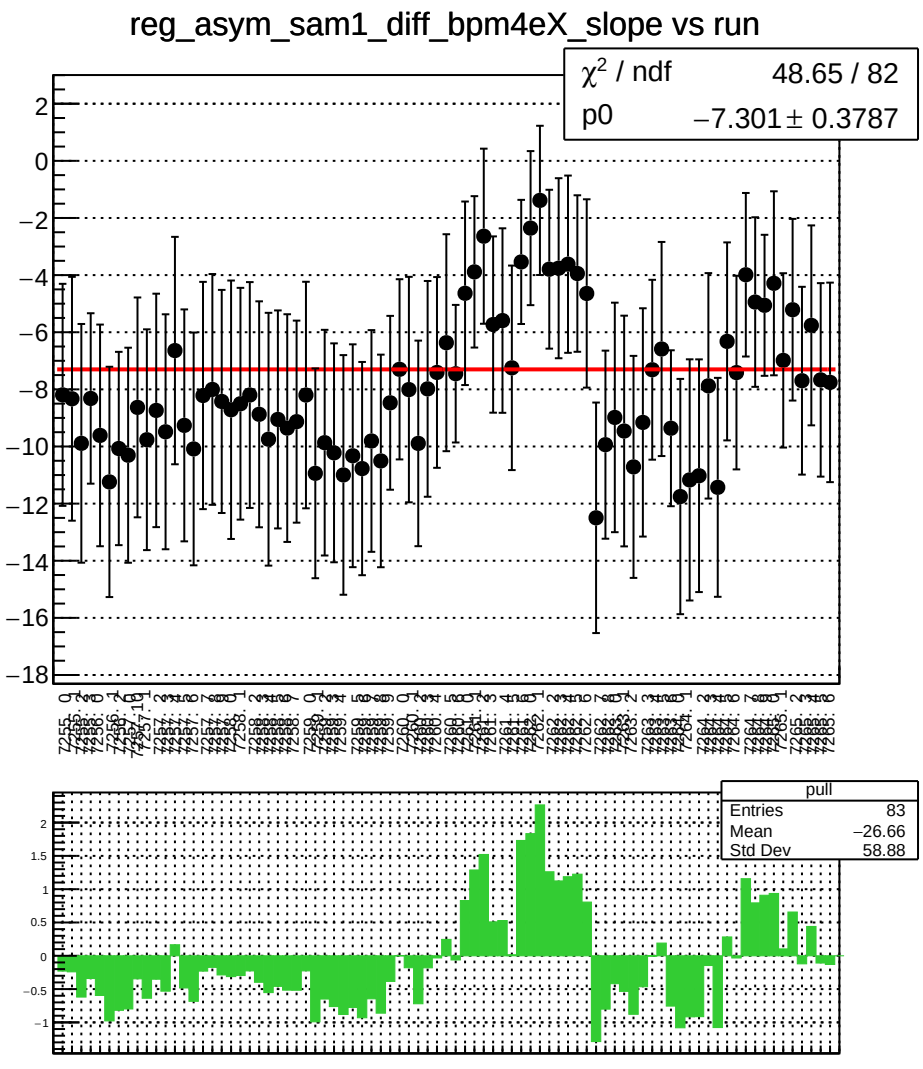

asym_sam_12345678_avg_mean vs run
χ² / ndf 94.82 / 82
p0 739.7 ± 454.2
pull
Entries 83
Mean 3374
Std Dev 3340

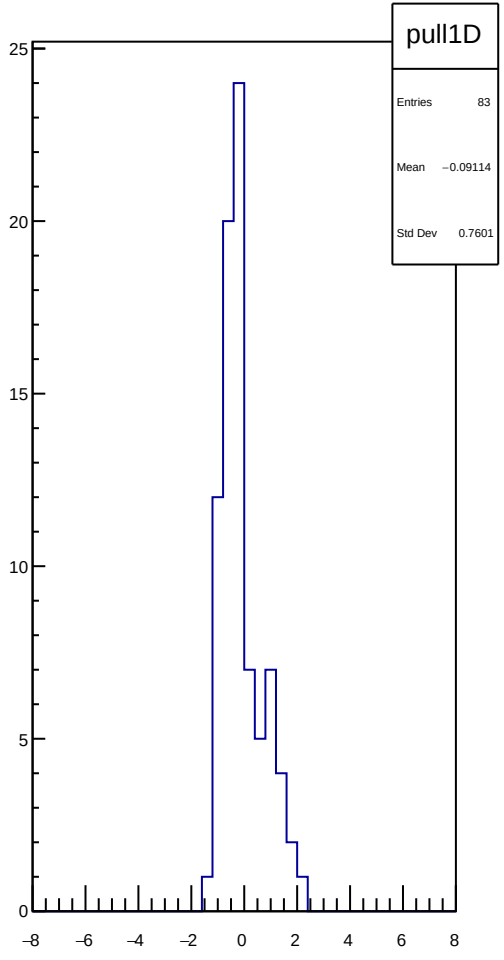

pull1D
Entries 83
Mean −0.0008994
Std Dev 1.069

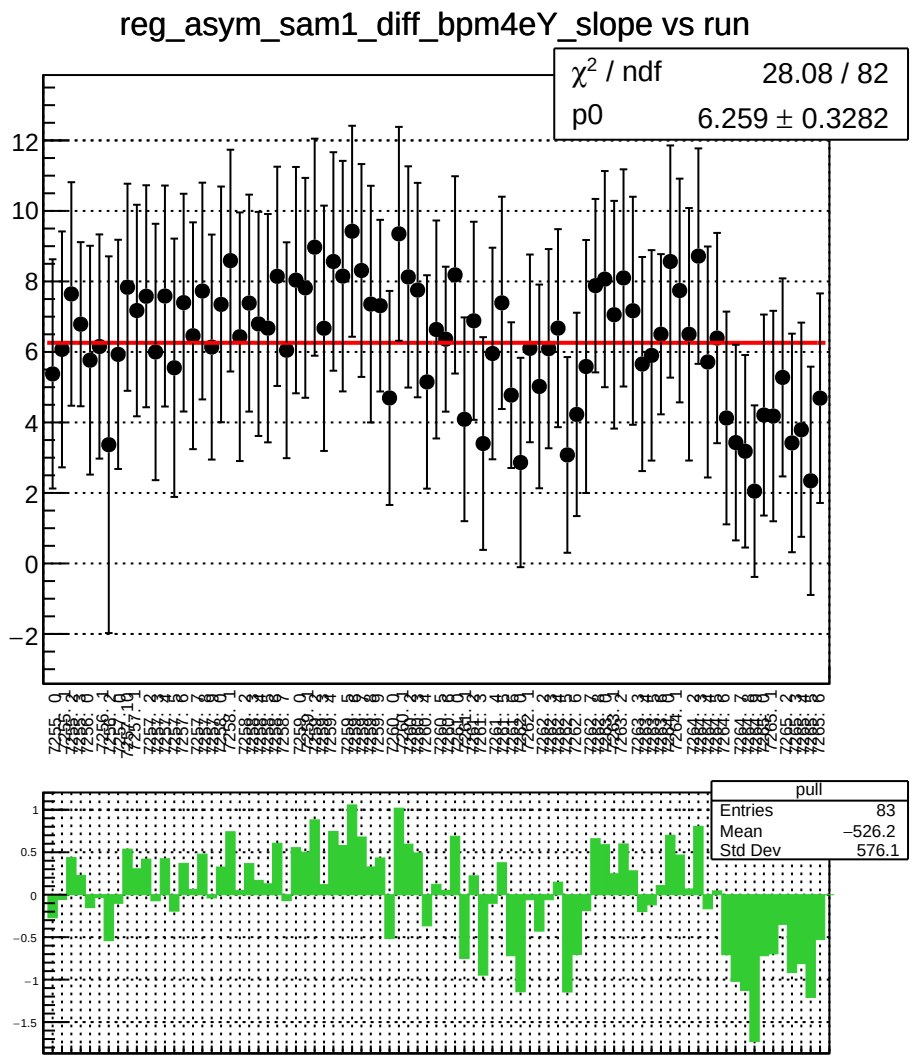

asym_sam_12345678_avg_rms vs run
χ² / ndf 3693 / 82
p0 405.7 ± 0.3212
480
460
440
420
400
380
360

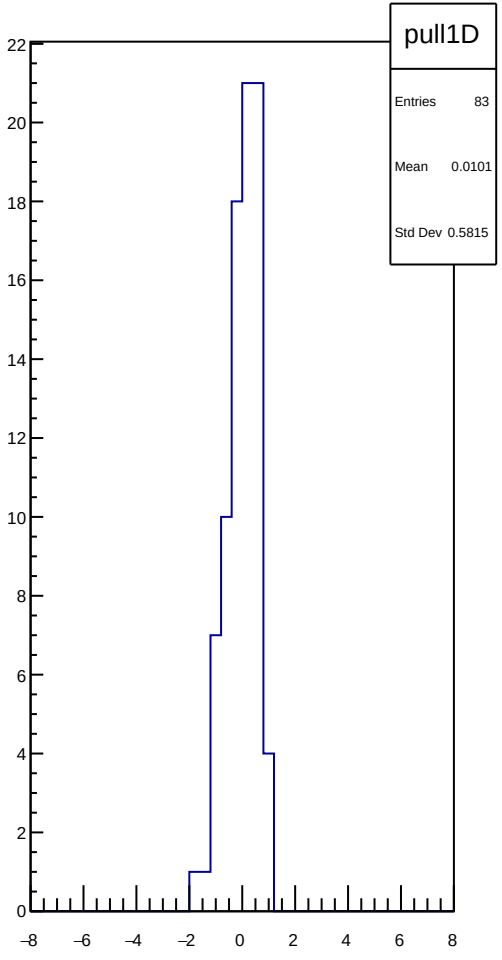

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 49.84 / 82
p0 −6.451 ± 0.349
pull
Entries 83
Mean −26.7
Std Dev 58.9
pull1D
Entries 83
Mean 0.08919
Std Dev 0.7697

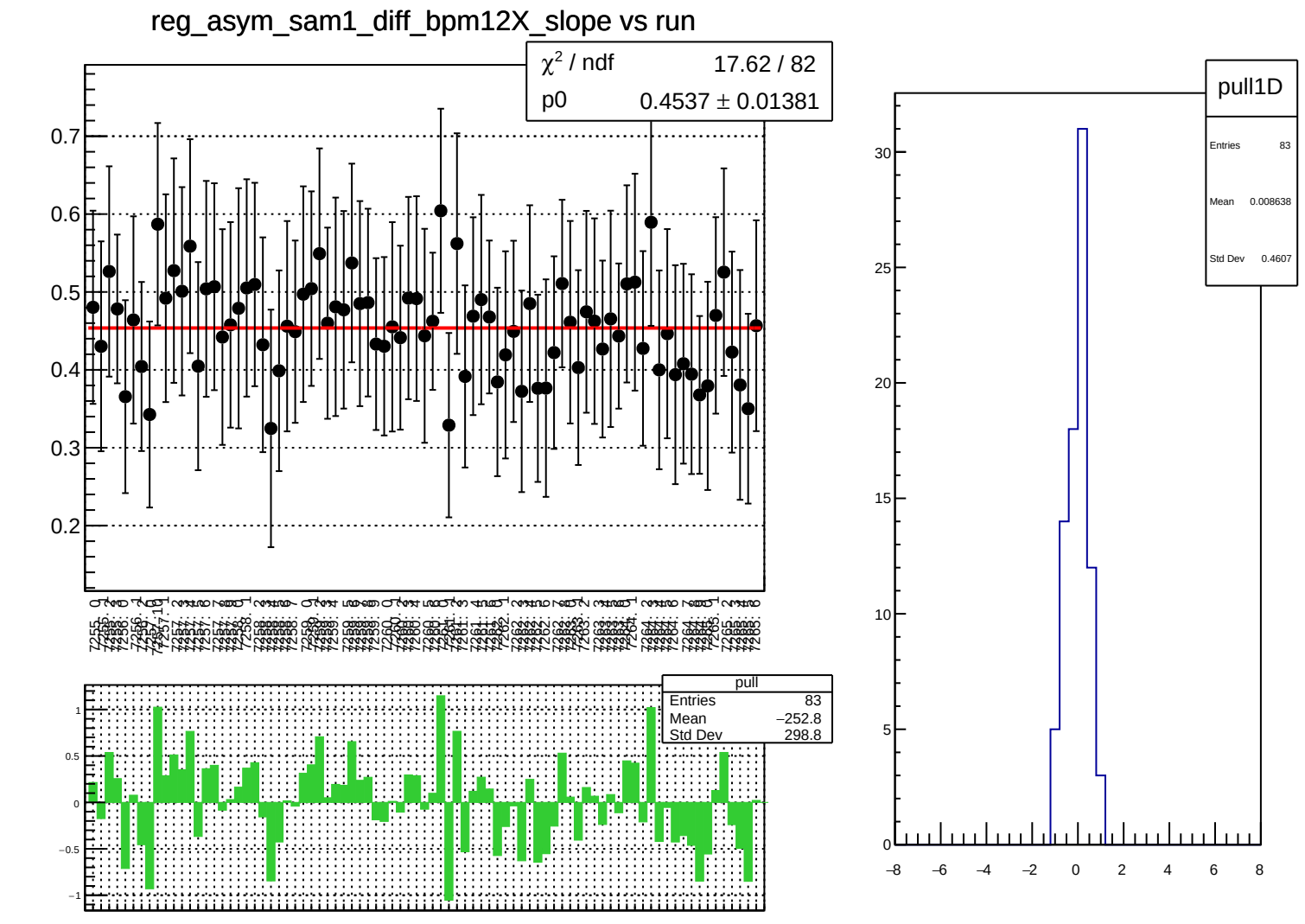

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 42.01 / 82
p0 −50.89 ± 0.3119
pull
Entries 83
Mean −649.1
Std Dev 694.7
pull1D
Entries 83
Mean −0.01366
Std Dev 0.7113

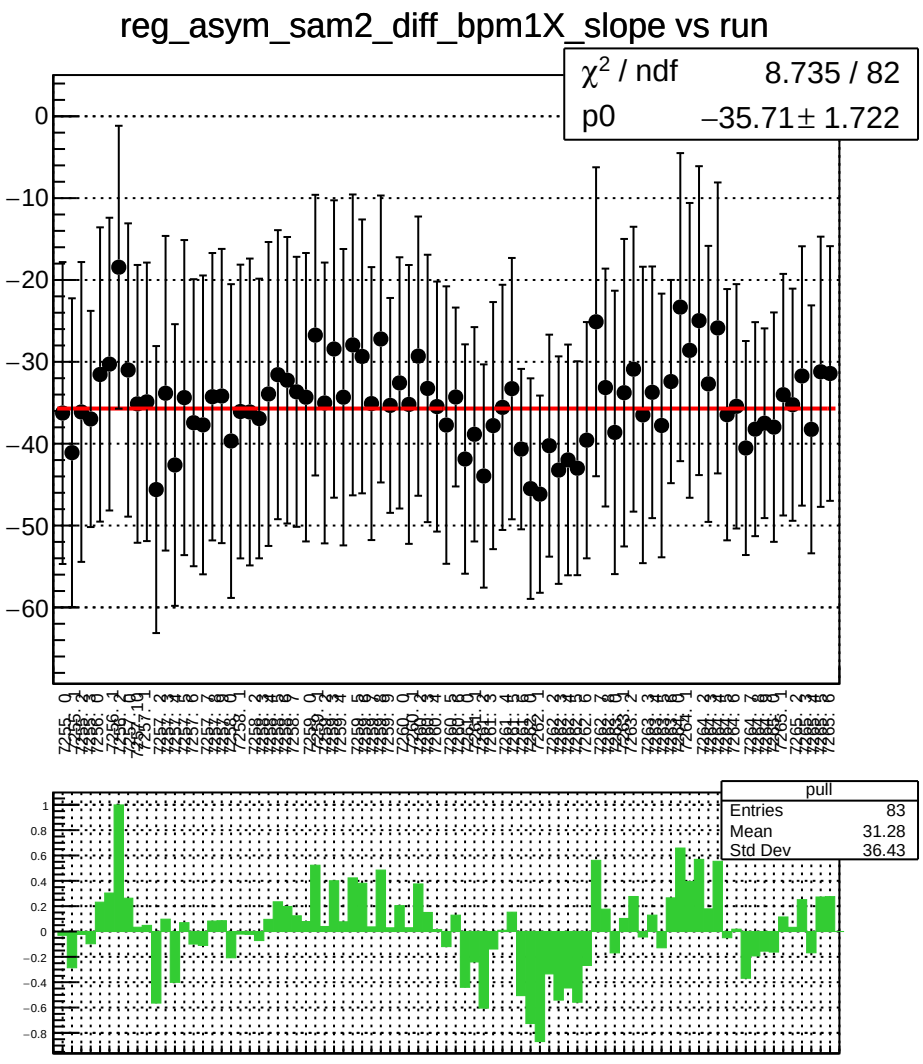

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 48.65 / 82
p0 −7.301 ± 0.3787
pull
Entries 83
Mean −26.66
Std Dev 58.88

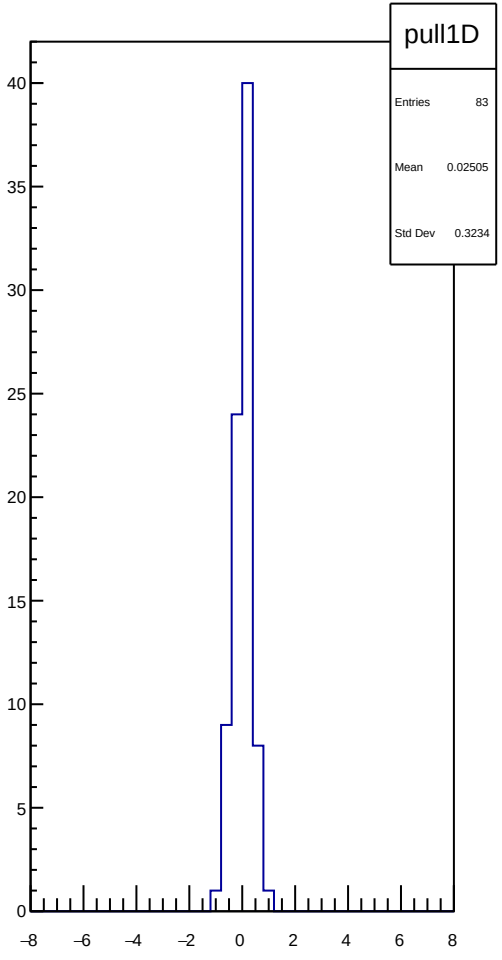

pull1D
Entries 83
Mean −0.09114
Std Dev 0.7601

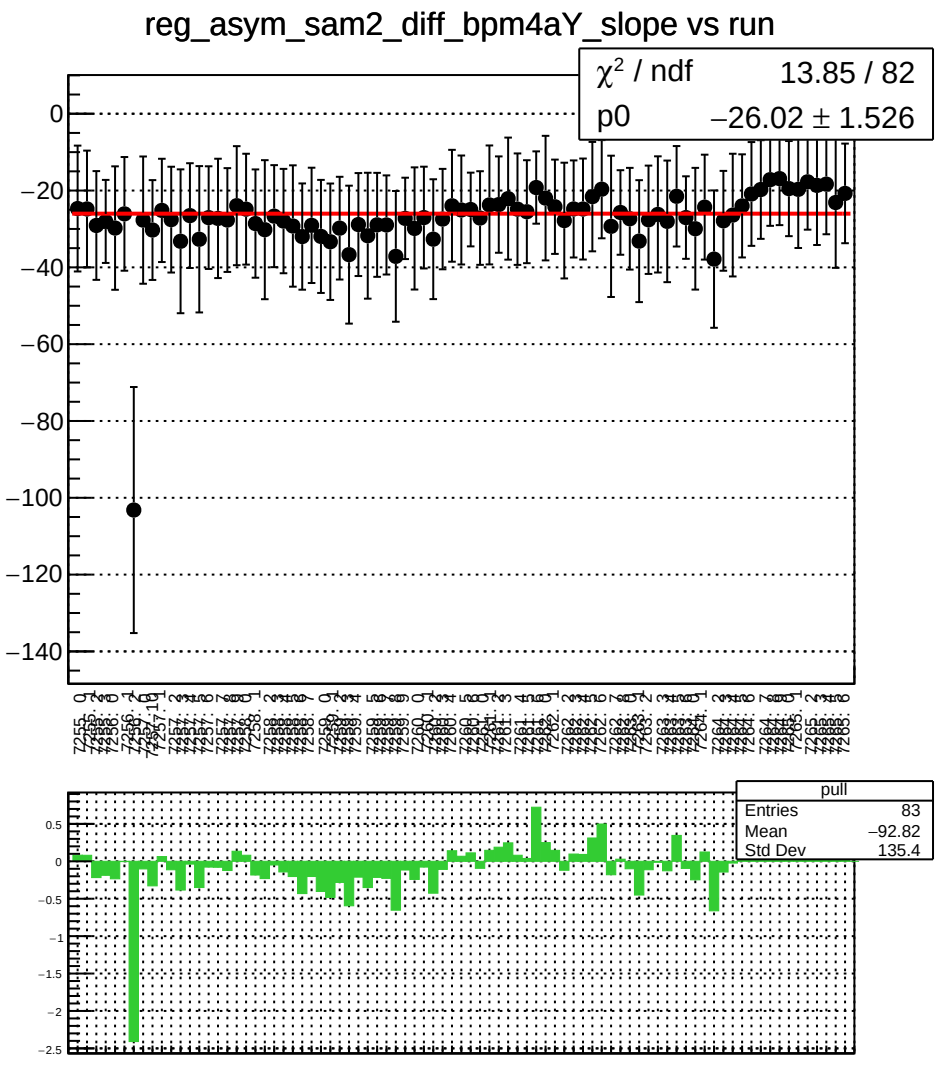

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 28.08 / 82
p0 6.259 ± 0.3282
pull
Entries 83
Mean −526.2
Std Dev 576.1

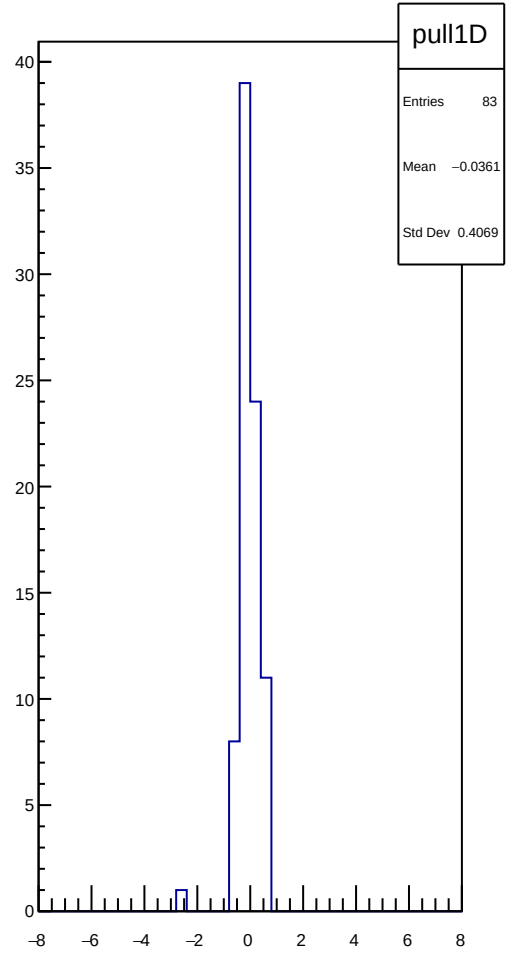

pull1D
Entries 83
Mean 0.0101
Std Dev 0.5815

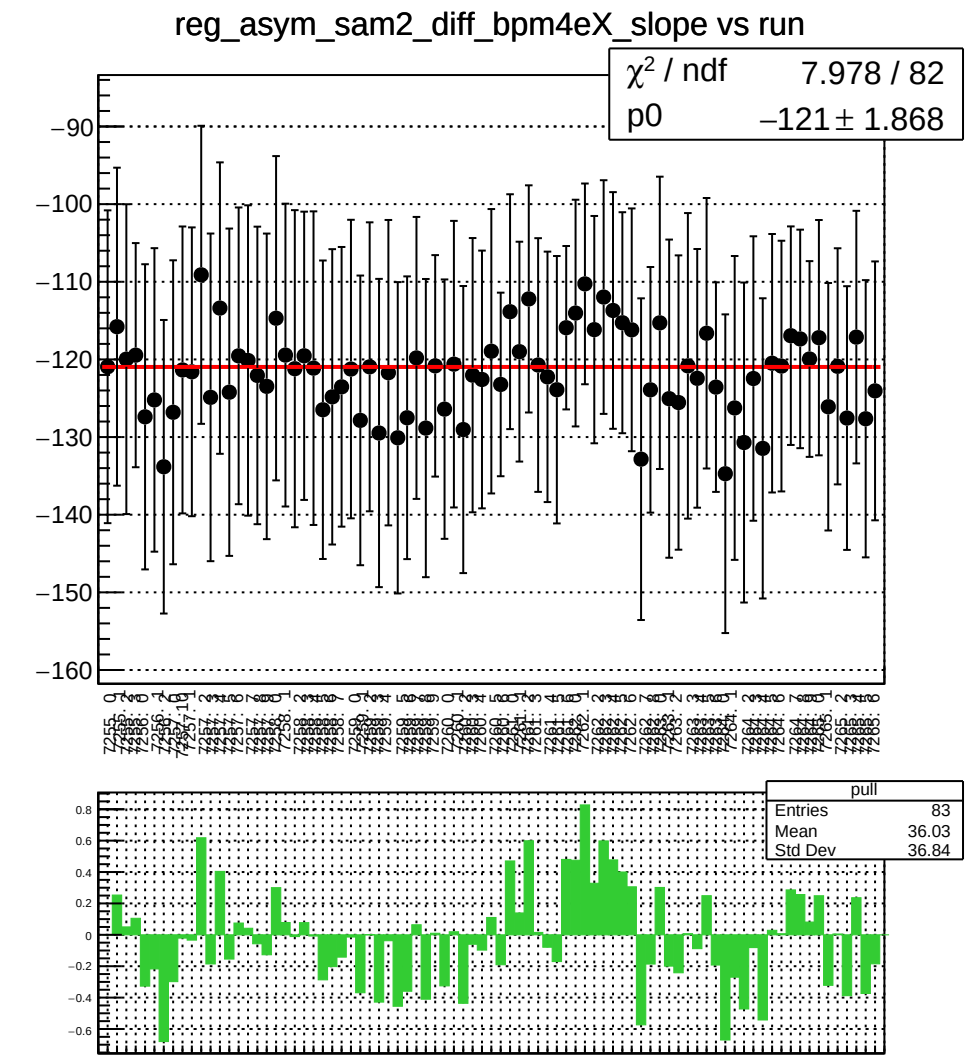

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 17.62 / 82
p0 0.4537 ± 0.01381
pull
Entries 83
Mean −252.8
Std Dev 298.8
pull1D
Entries 83
Mean 0.008638
Std Dev 0.4607

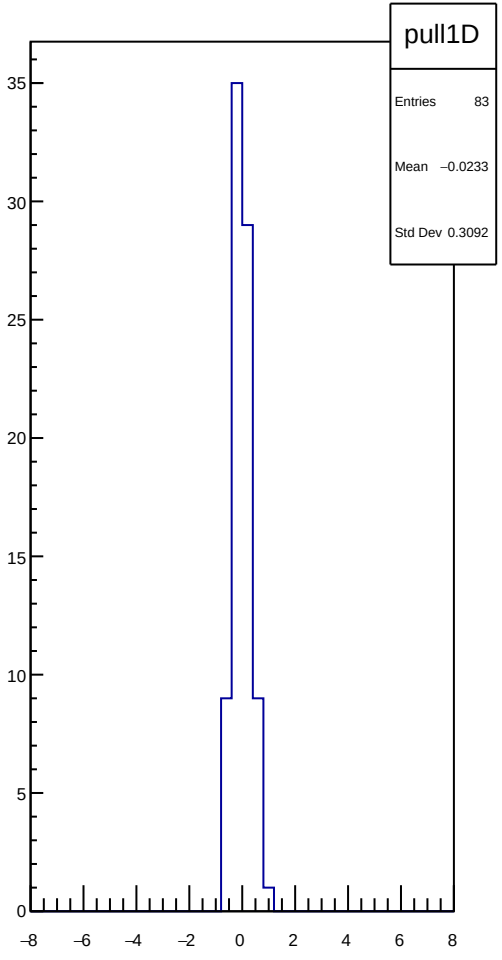

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 8.735 / 82
p0 −35.71± 1.722
pull
Entries 83
Mean 31.28
Std Dev 36.43

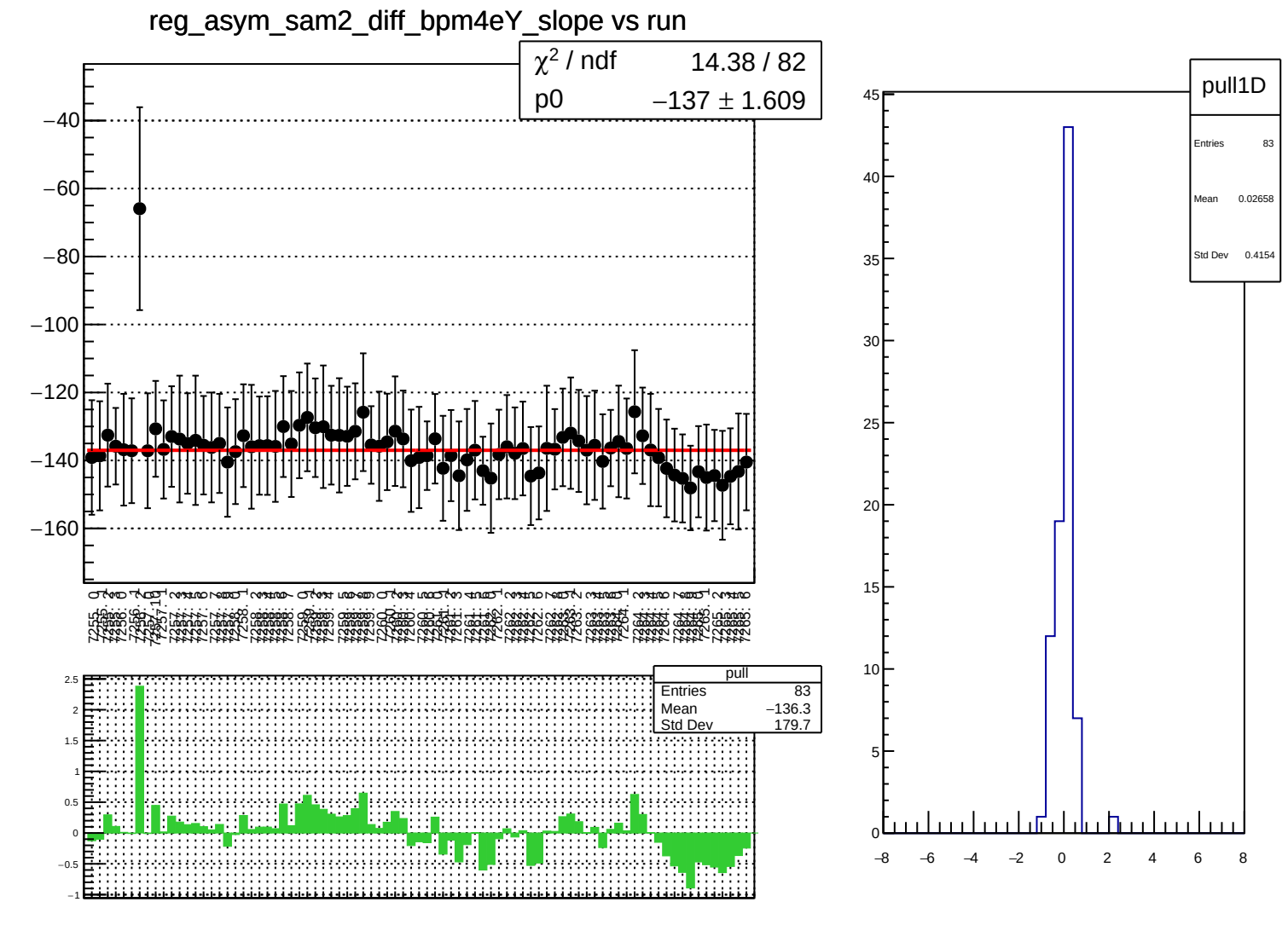

pull1D
Entries 83
Mean 0.02505
Std Dev 0.3234

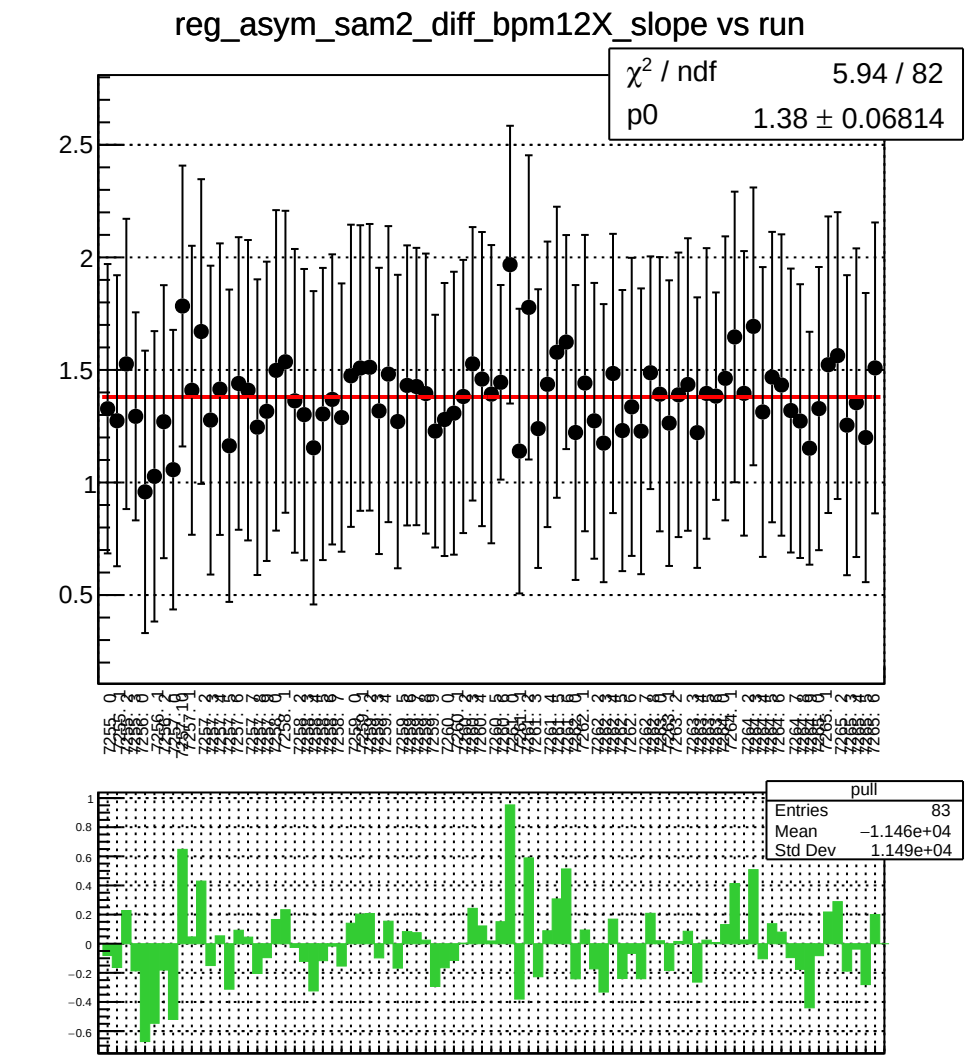

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 13.85 / 82
p0 −26.02 ± 1.526
pull
Entries 83
Mean −92.82
Std Dev 135.4

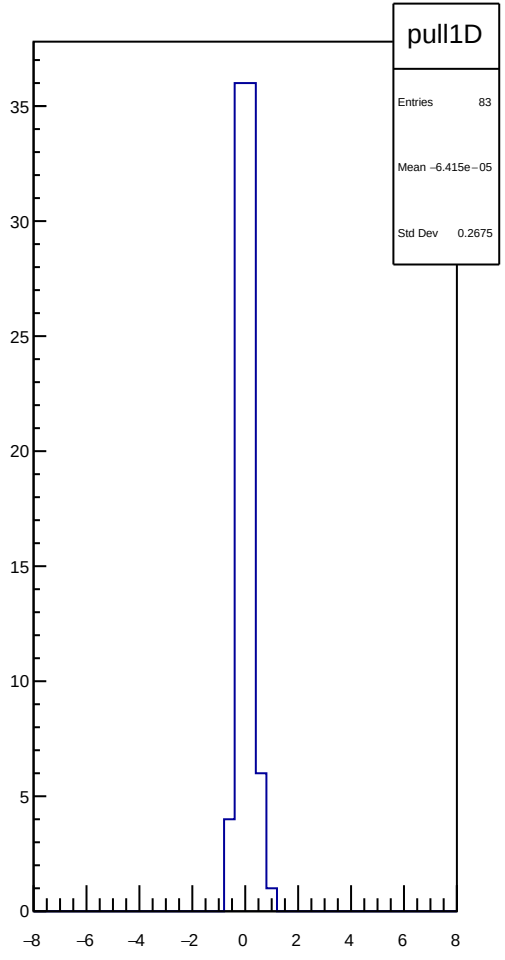

pull1D
Entries 83
Mean −0.0361
Std Dev 0.4069

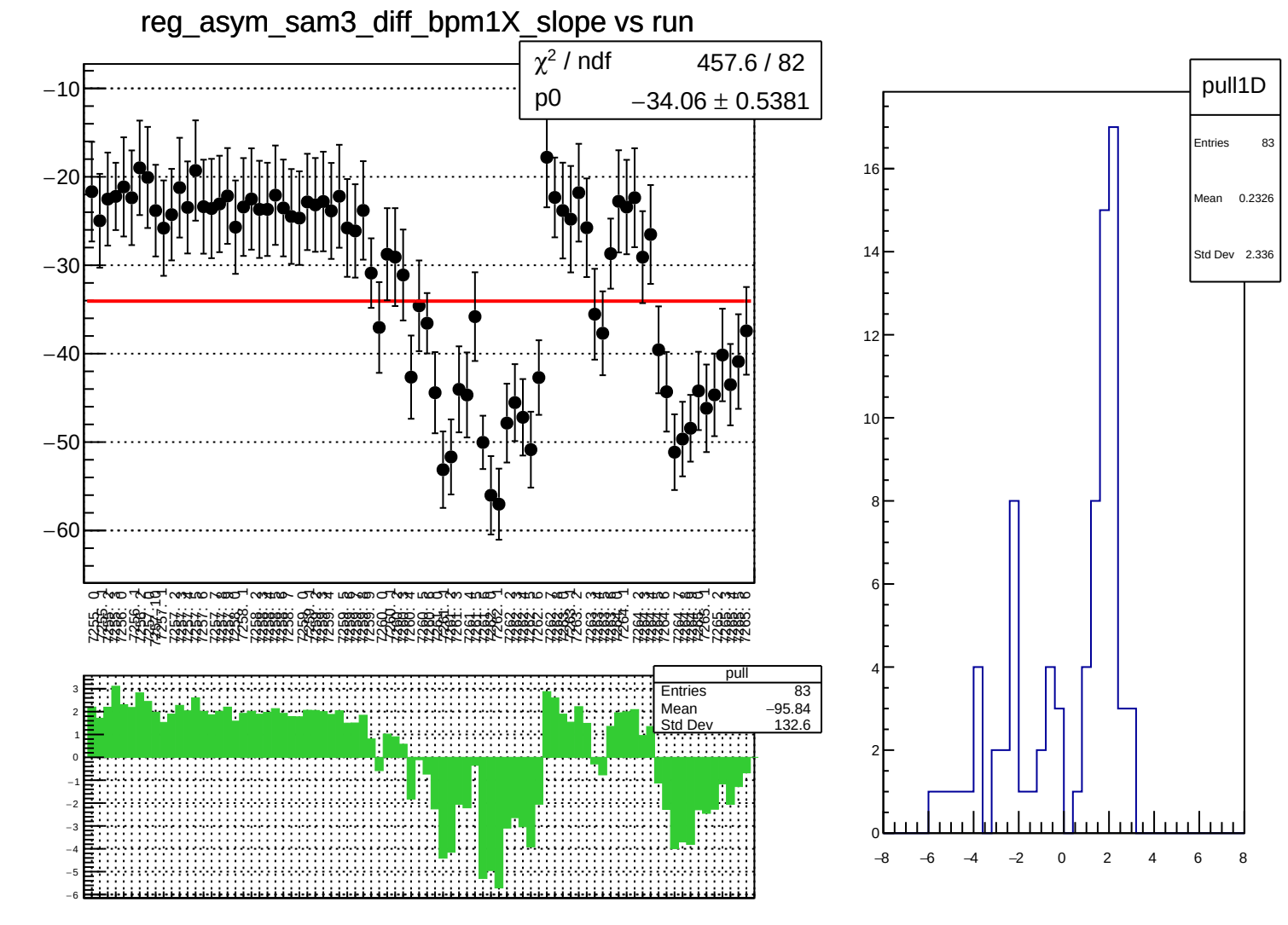

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 7.978 / 82
p0 −121 ± 1.868
pull
Entries 83
Mean 36.03
Std Dev 36.84

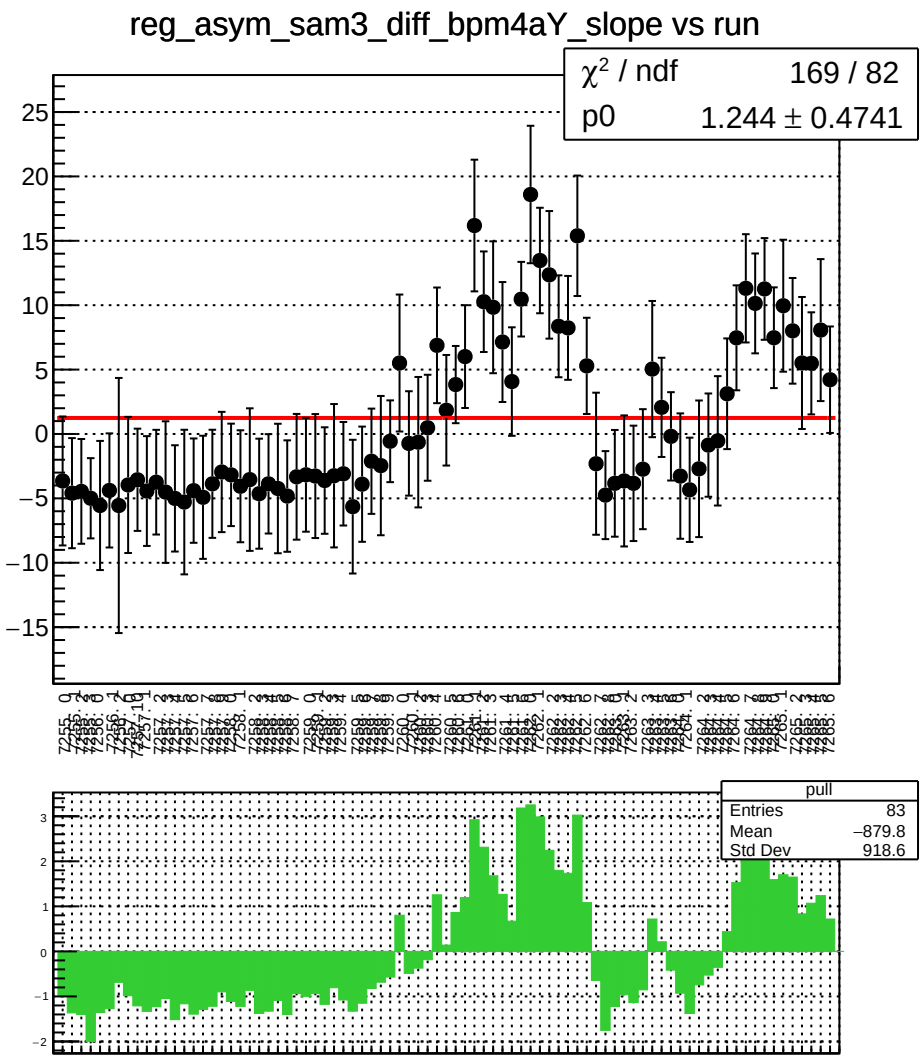

pull1D
Entries 83
Mean −0.0233
Std Dev 0.3092

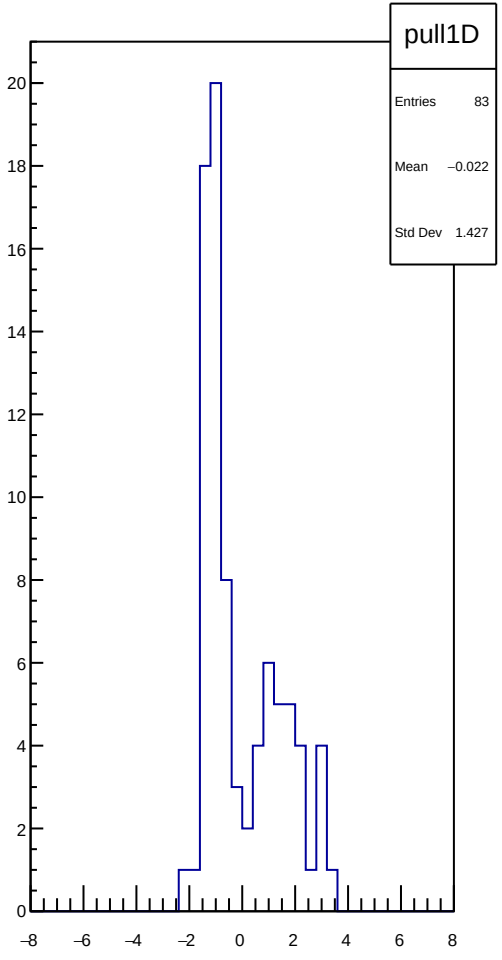

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 14.38 / 82
p0 −137 ± 1.609
pull
Entries 83
Mean −136.3
Std Dev 179.7
pull1D
Entries 83
Mean 0.02658
Std Dev 0.4154

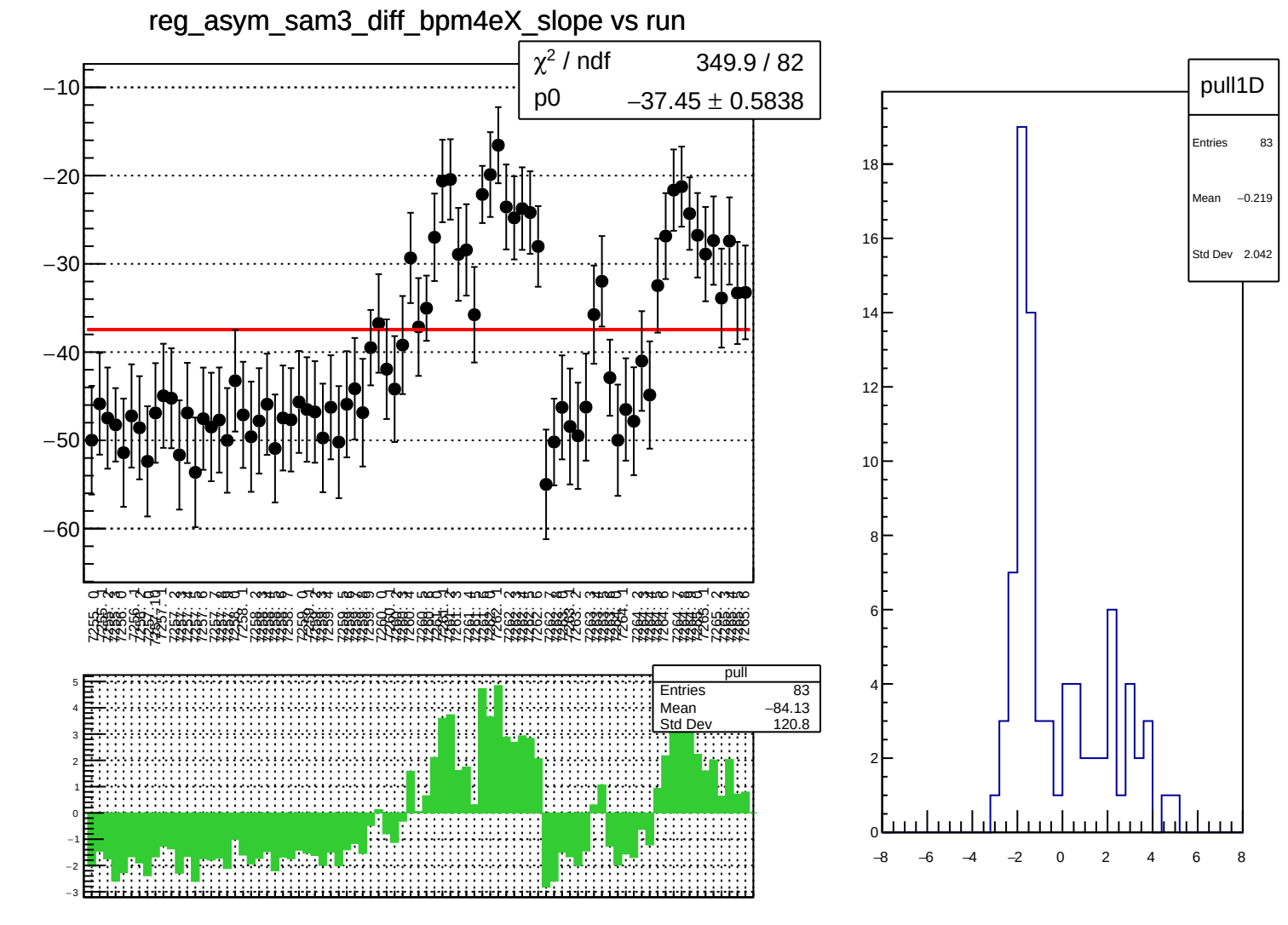

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 5.94 / 82
p0 1.38 ± 0.06814
pull
Entries 83
Mean −1.146e+04
Std Dev 1.149e+04

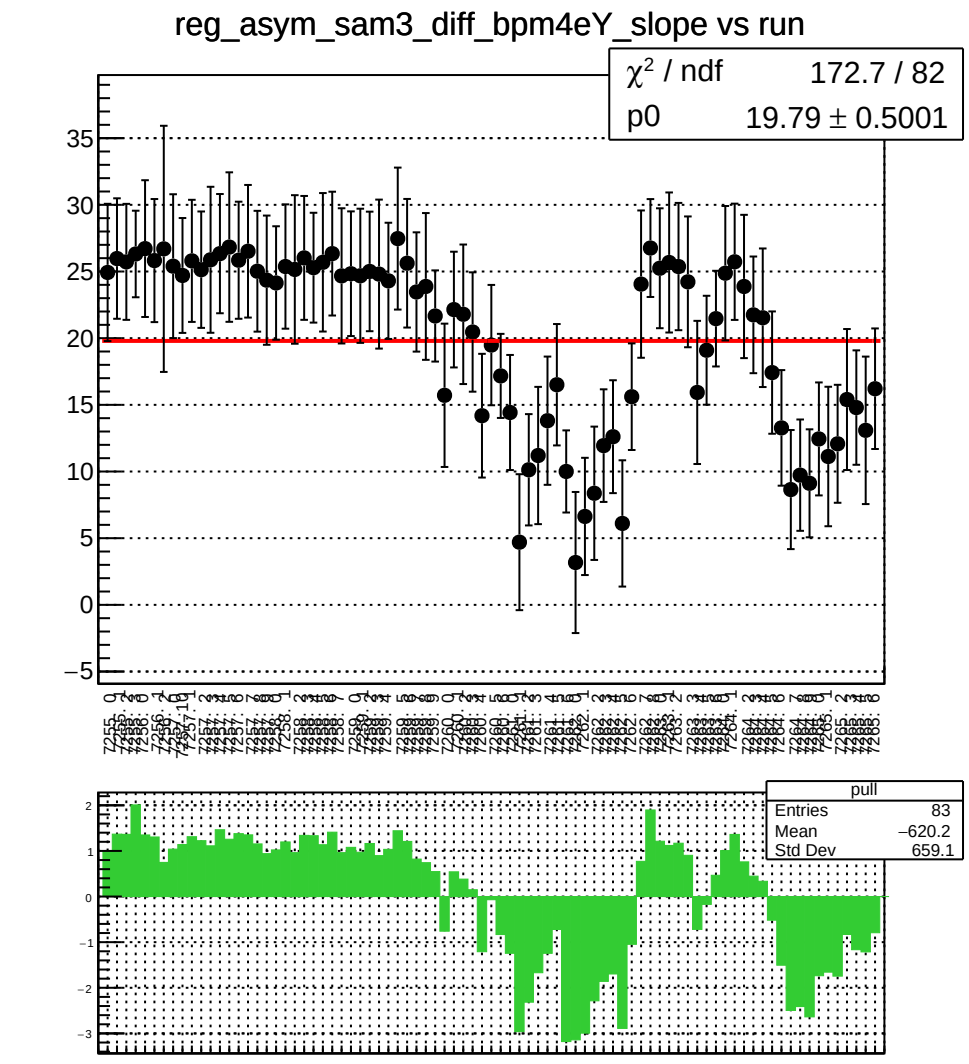

pull1D
Entries 83
Mean −6.415e−05
Std Dev 0.2675

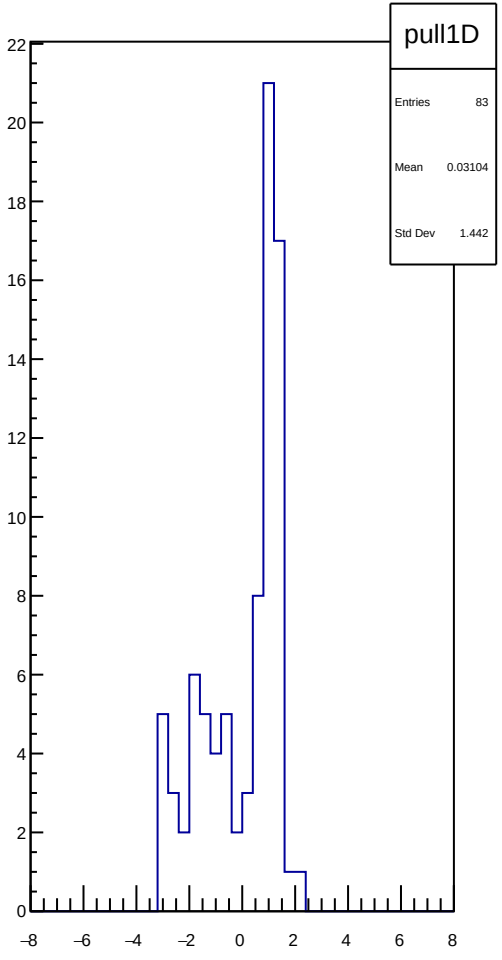

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 457.6 / 82
p0 −34.06 ± 0.5381
pull
Entries 83
Mean −95.84
Std Dev 132.6
pull1D
Entries 83
Mean 0.2326
Std Dev 2.336

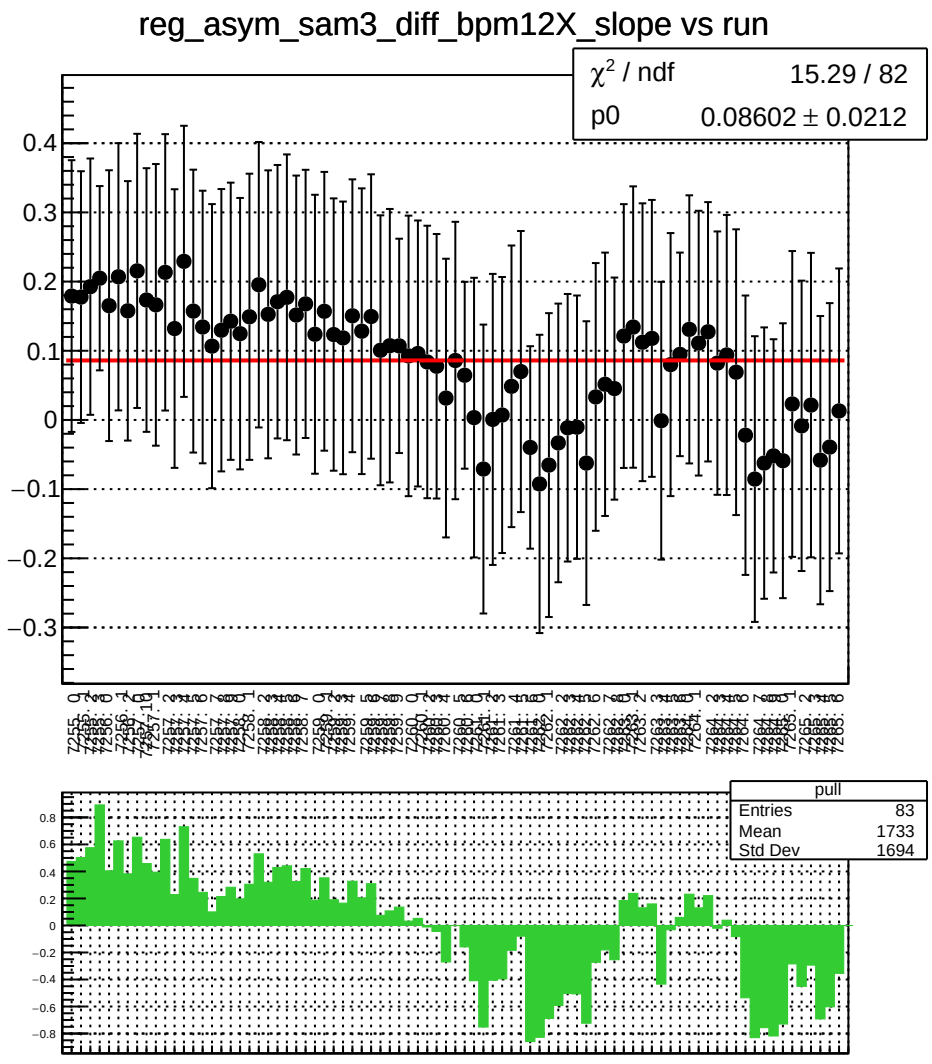

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 169 / 82
p0 1.244 ± 0.4741
pull
Entries 83
Mean −879.8
Std Dev 918.6

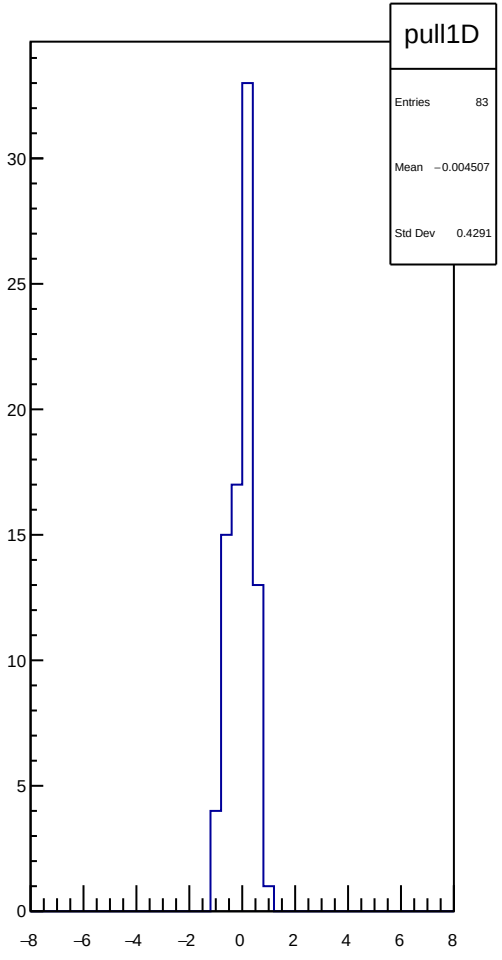

pull1D
Entries 83
Mean −0.022
Std Dev 1.427

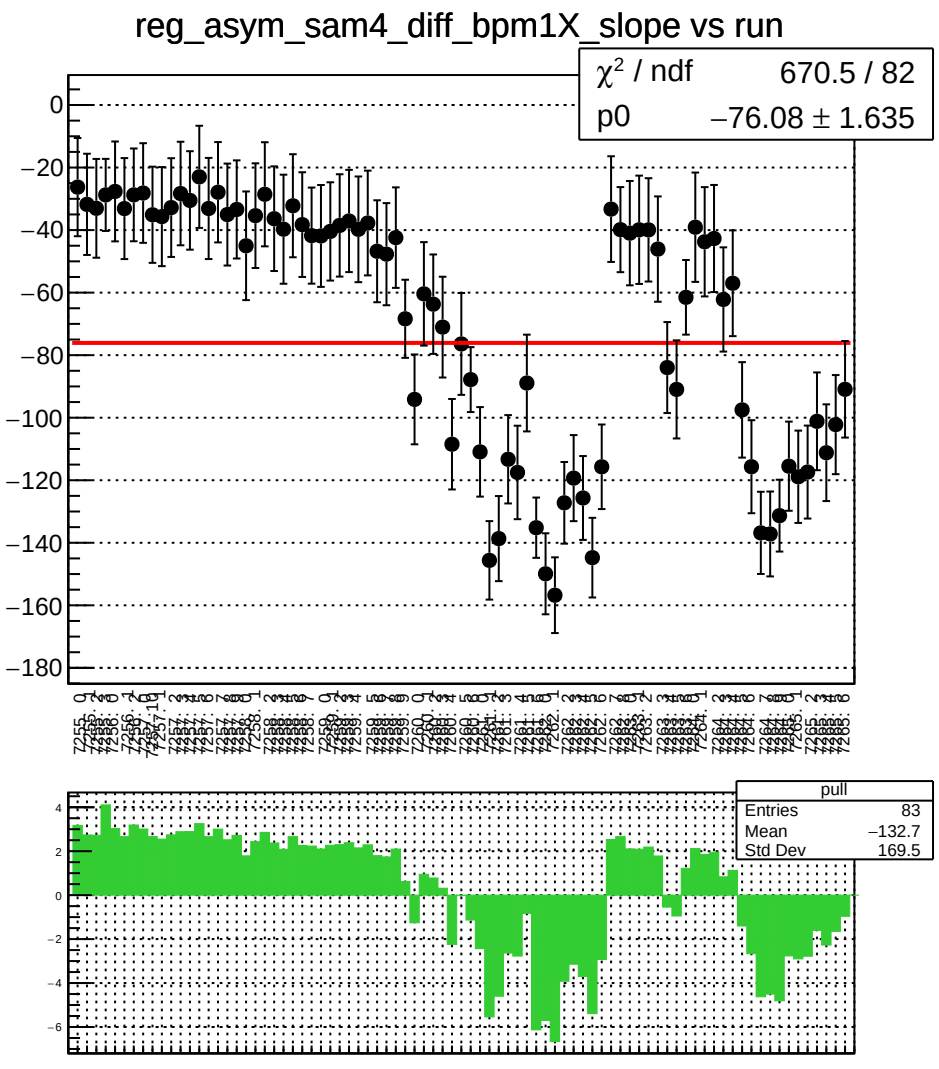

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 349.9 / 82
p0 −37.45 ± 0.5838
pull
Entries 83
Mean −84.13
Std Dev 120.8
pull1D
Entries 83
Mean −0.219
Std Dev 2.042

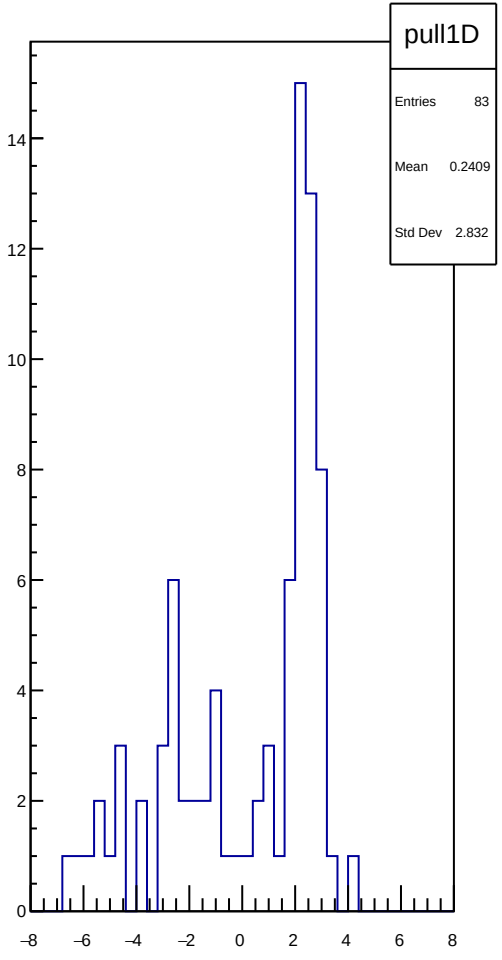

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 172.7 / 82
p0 19.79 ± 0.5001
pull
Entries 83
Mean −620.2
Std Dev 659.1

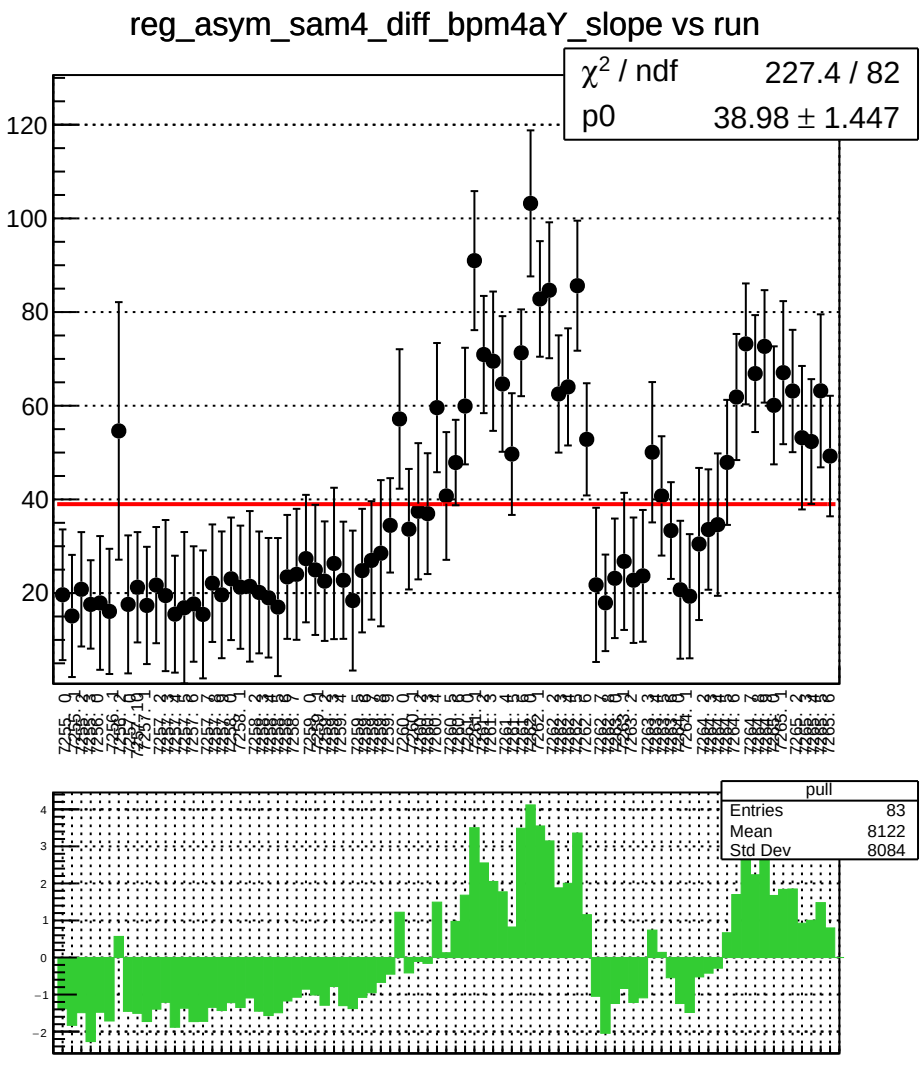

pull1D
Entries 83
Mean 0.03104
Std Dev 1.442

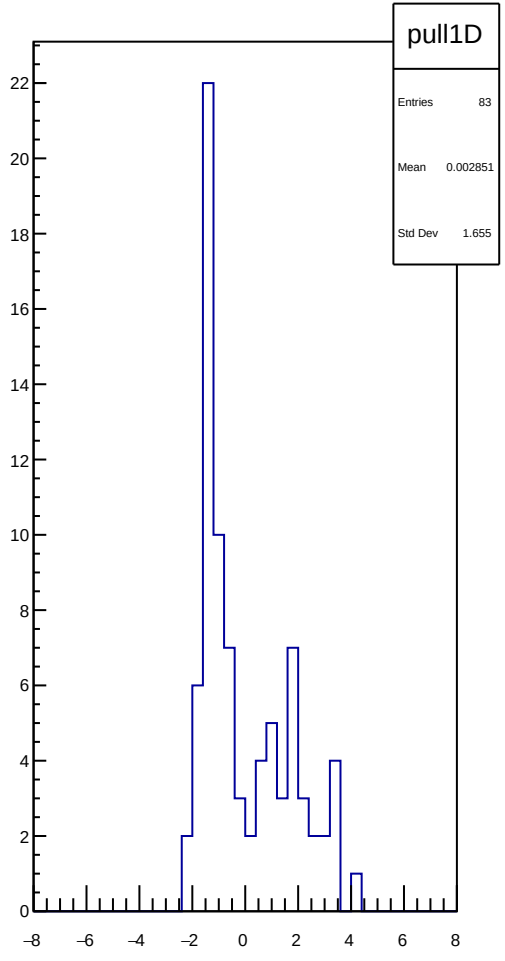

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 15.29 / 82
p0 0.08602 ± 0.0212
pull
Entries 83
Mean 1733
Std Dev 1694

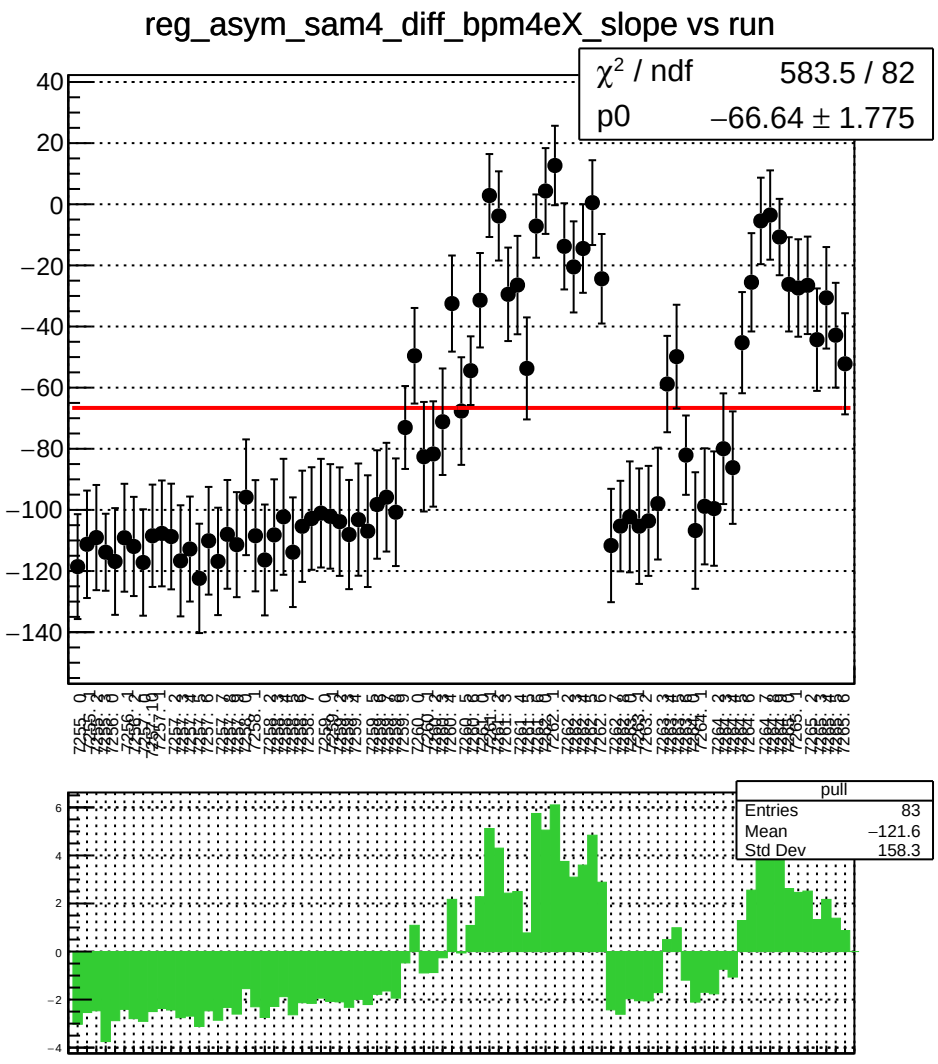

pull1D
Entries 83
Mean −0.004507
Std Dev 0.4291

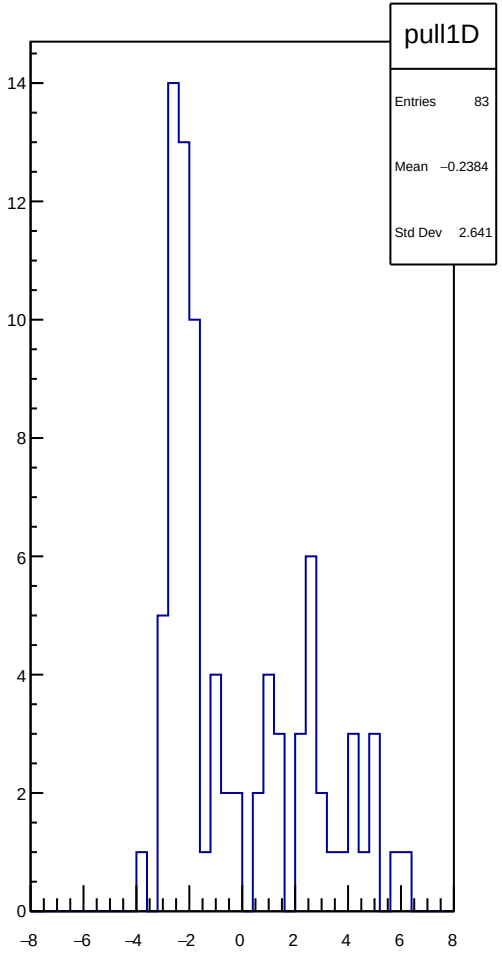

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 670.5 / 82
p0 −76.08 ± 1.635
pull
Entries 83
Mean −132.7
Std Dev 169.5

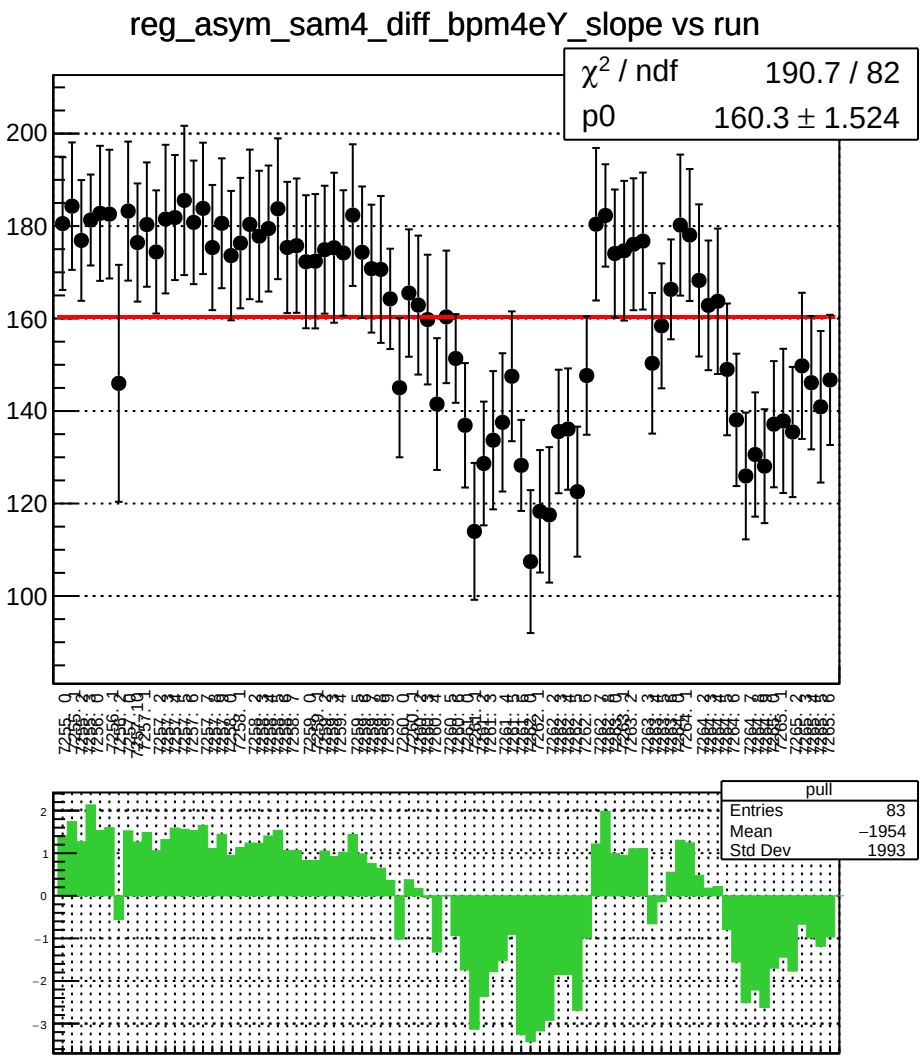

pull1D
Entries 83
Mean 0.2409
Std Dev 2.832

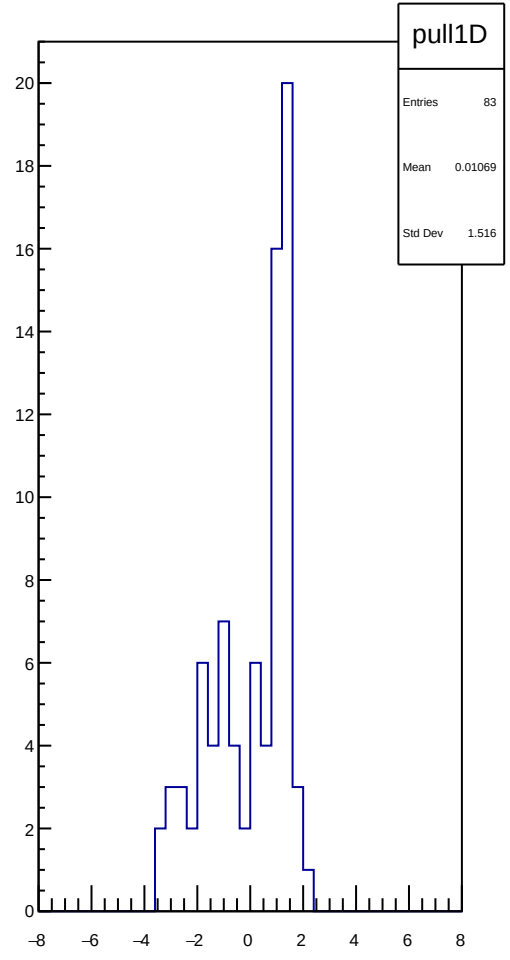

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 227.4 / 82
p0 38.98 ± 1.447
120
100
80
60
40
20
pull
Entries 83
Mean 8122
Std Dev 8084
4
3
2
1
0
−1
−2

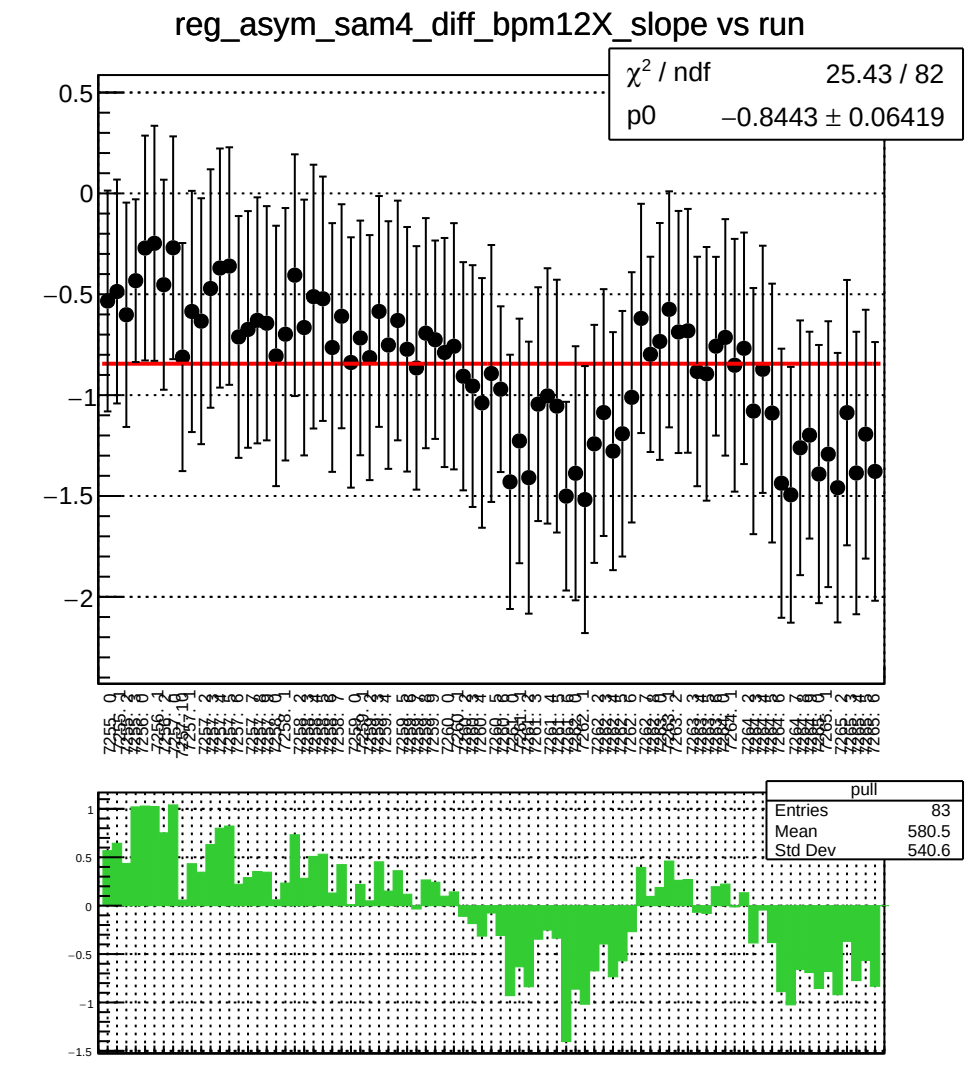

pull1D
Entries 83
Mean 0.002851
Std Dev 1.655
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

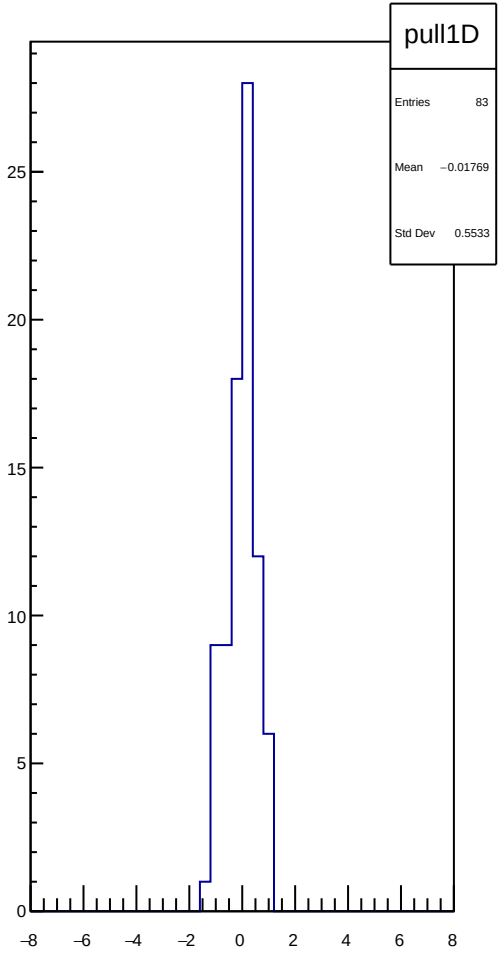

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 583.5 / 82
p0 −66.64 ± 1.775
pull
Entries 83
Mean −121.6
Std Dev 158.3

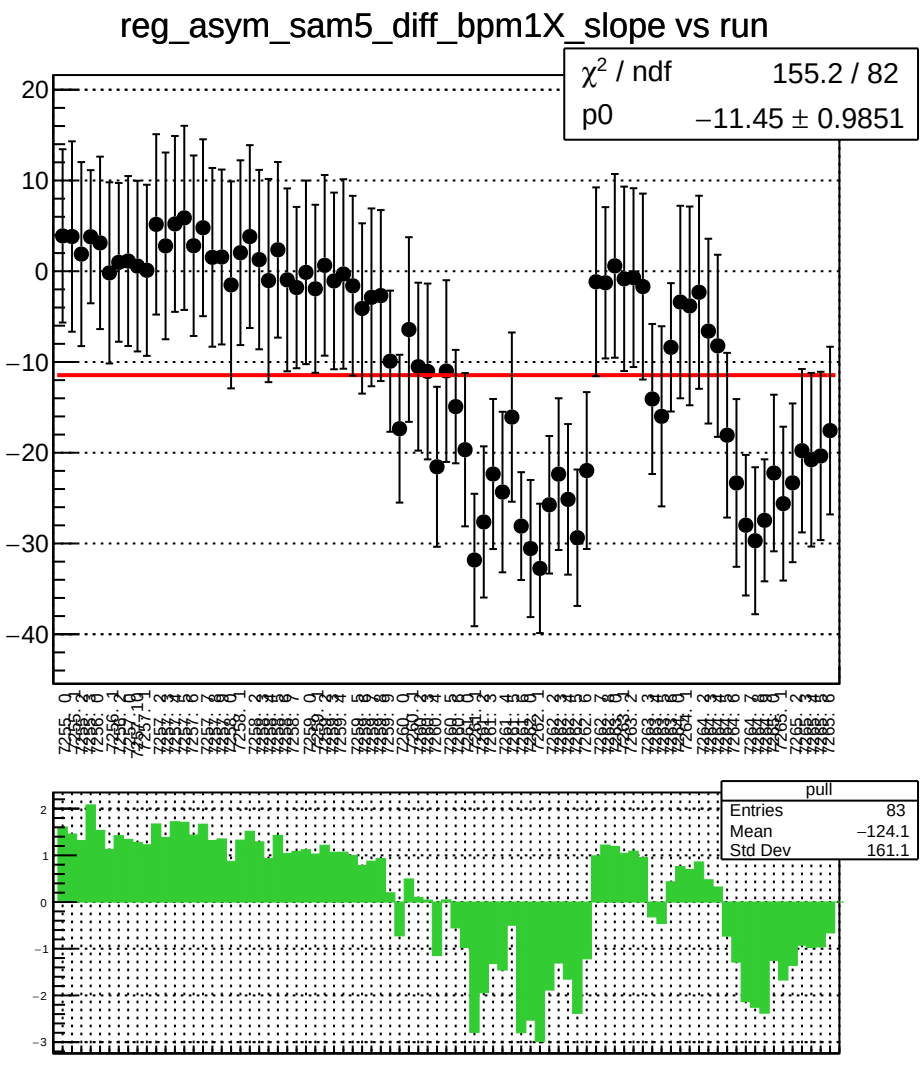

pull1D
Entries 83
Mean −0.2384
Std Dev 2.641

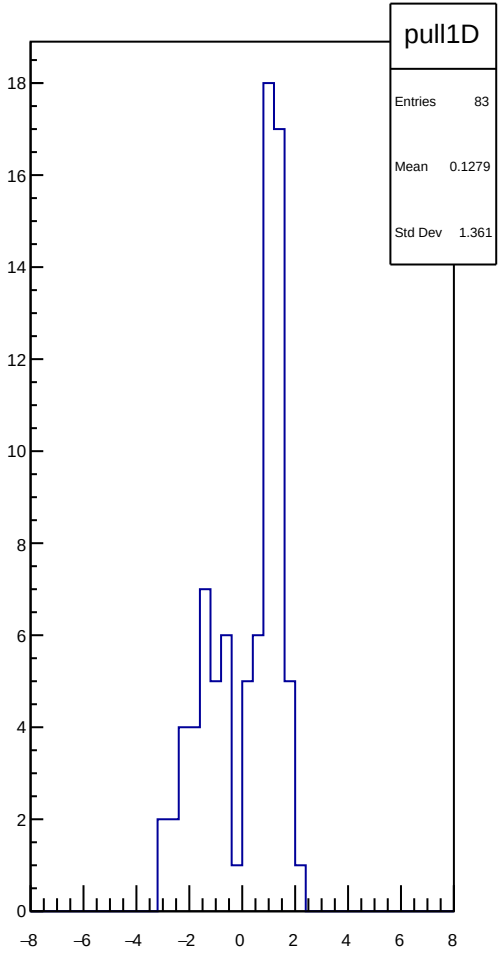

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 190.7 / 82
p0 160.3 ± 1.524
200
180
160
140
120
100
pull
Entries 83
Mean −1954
Std Dev 1993
2
1
0
−1
−2
−3

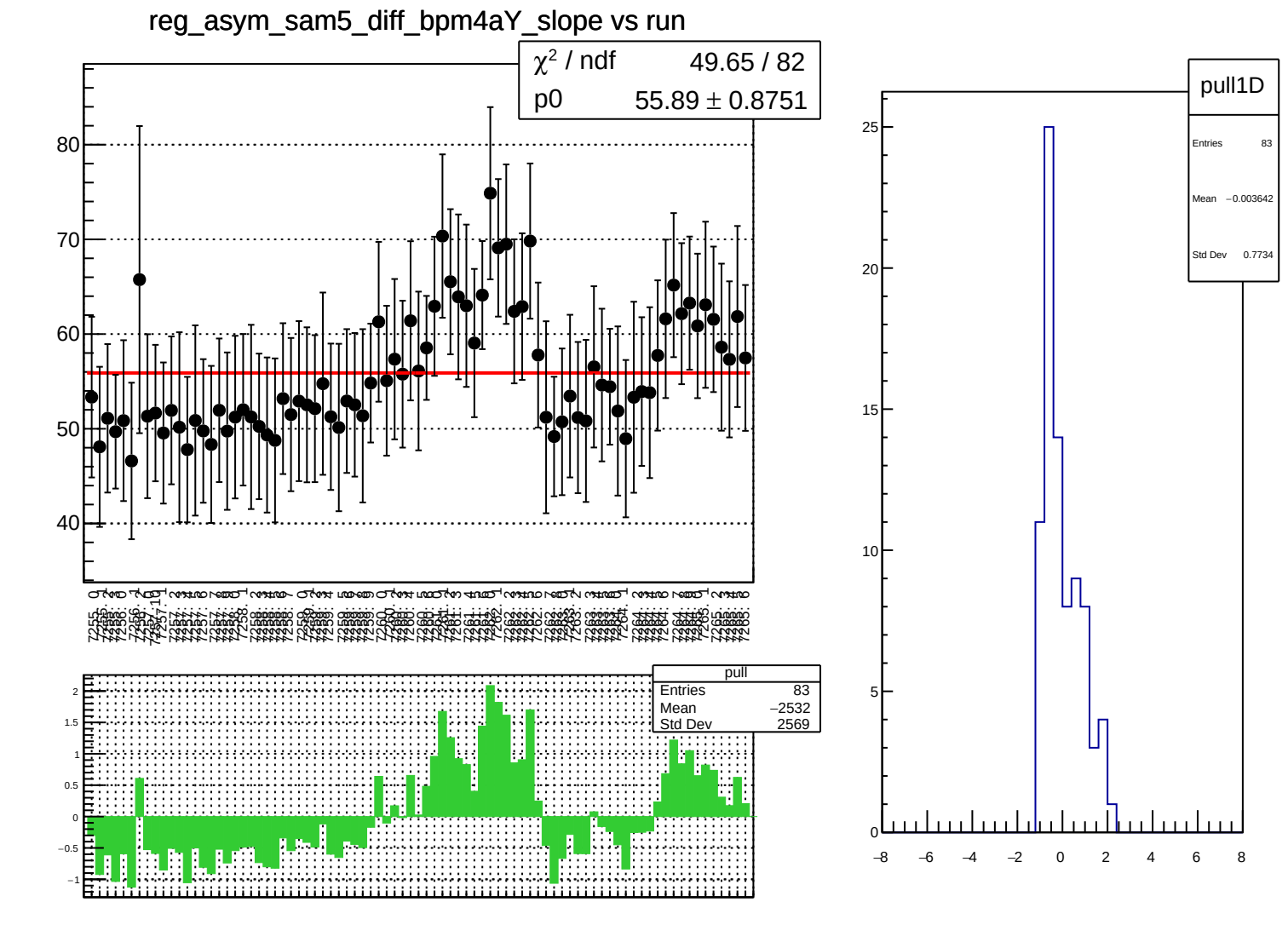

pull1D
Entries 83
Mean 0.01069
Std Dev 1.516
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

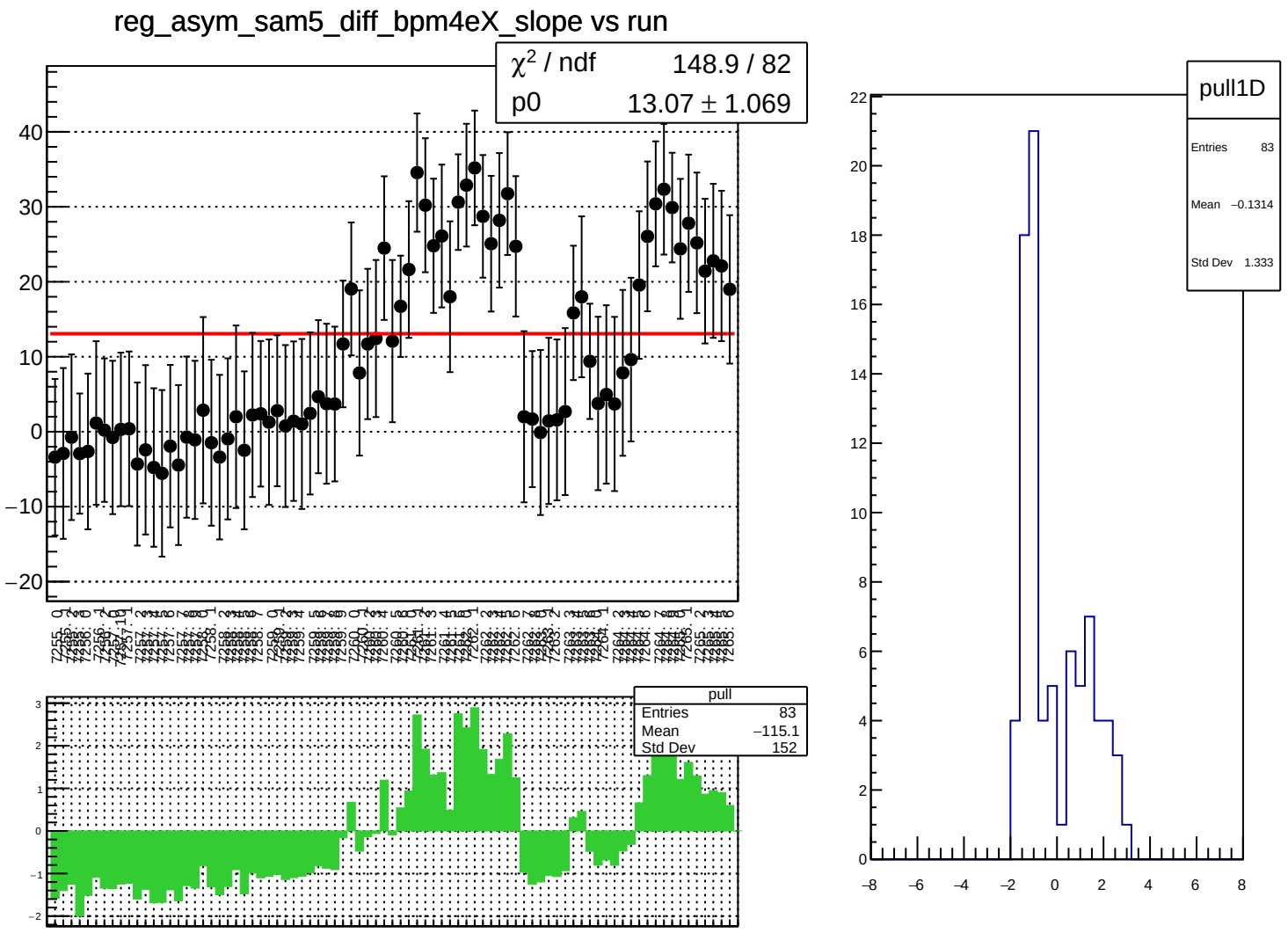

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 25.43 / 82
p0 −0.8443 ± 0.06419
pull
Entries 83
Mean 580.5
Std Dev 540.6

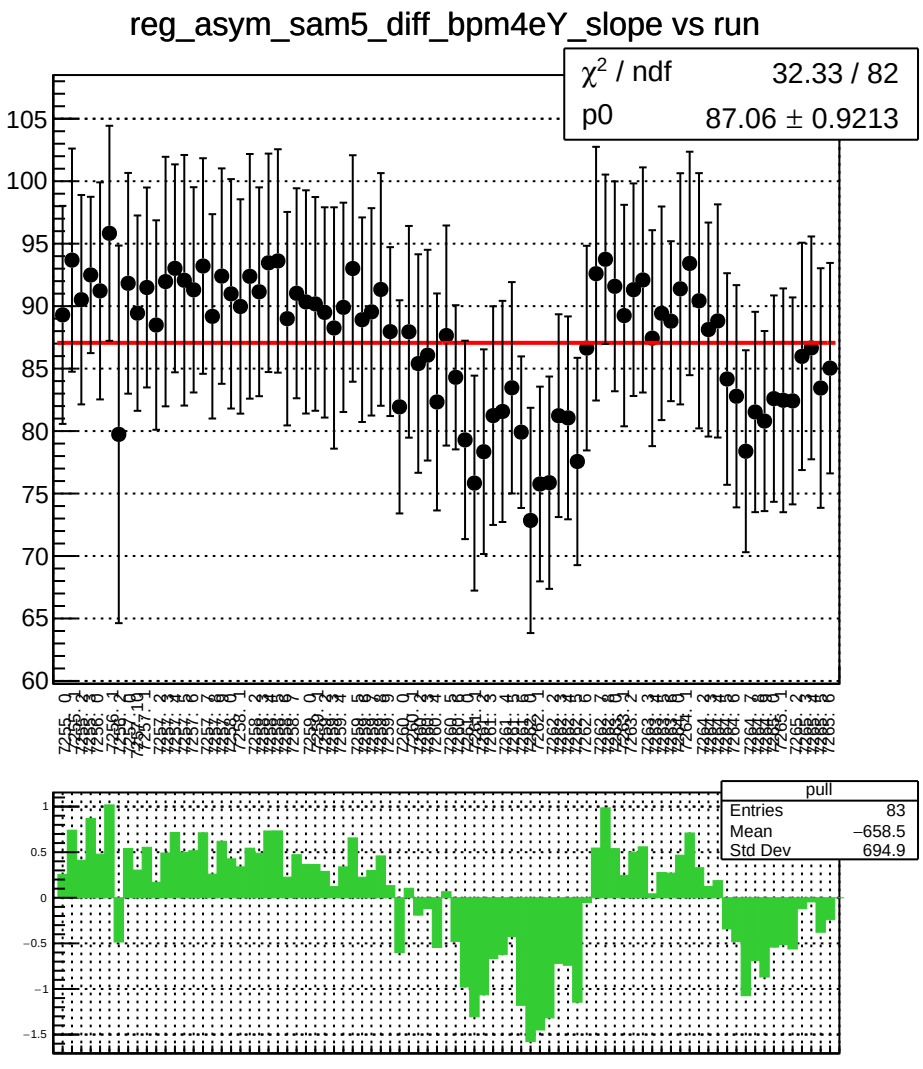

pull1D
Entries 83
Mean −0.01769
Std Dev 0.5533

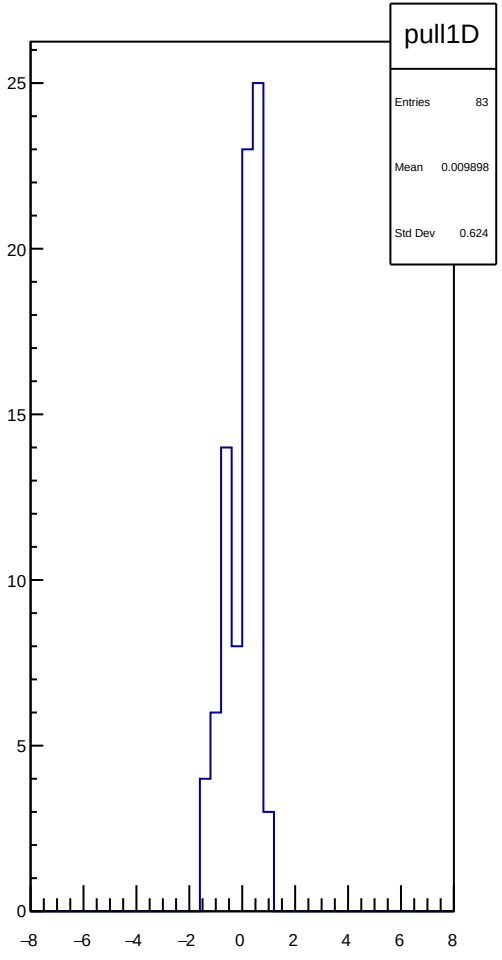

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 155.2 / 82
p0 −11.45 ± 0.9851
pull
Entries 83
Mean −124.1
Std Dev 161.1

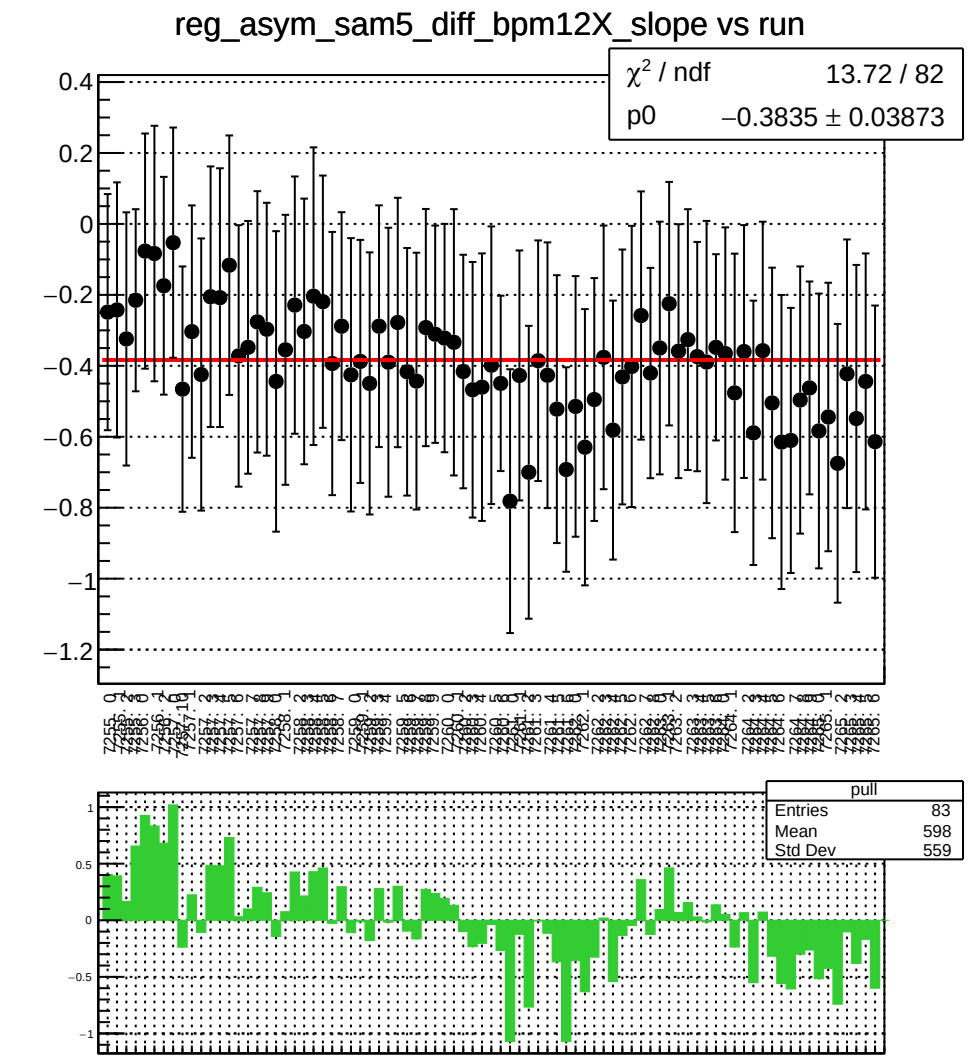

pull1D
Entries 83
Mean 0.1279
Std Dev 1.361

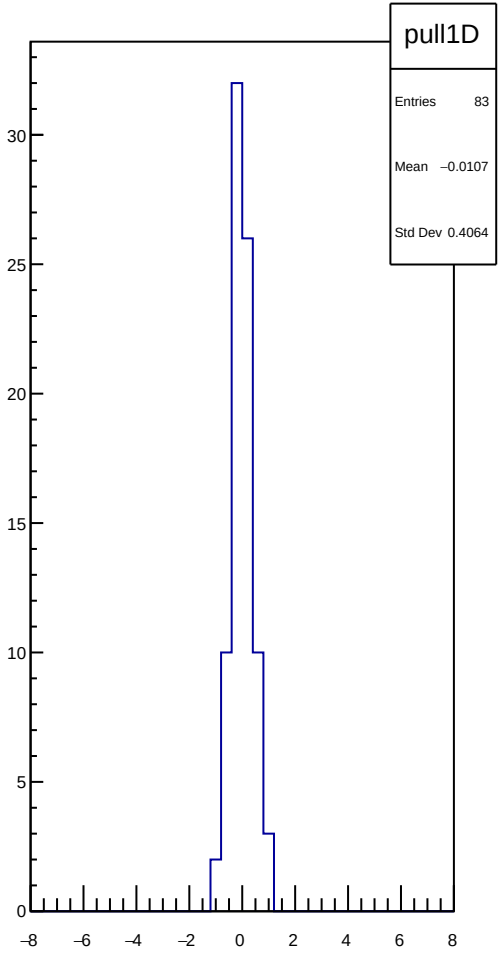

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 49.65 / 82
p0 55.89 ± 0.8751
pull
Entries 83
Mean −2532
Std Dev 2569
pull1D
Entries 83
Mean −0.003642
Std Dev 0.7734

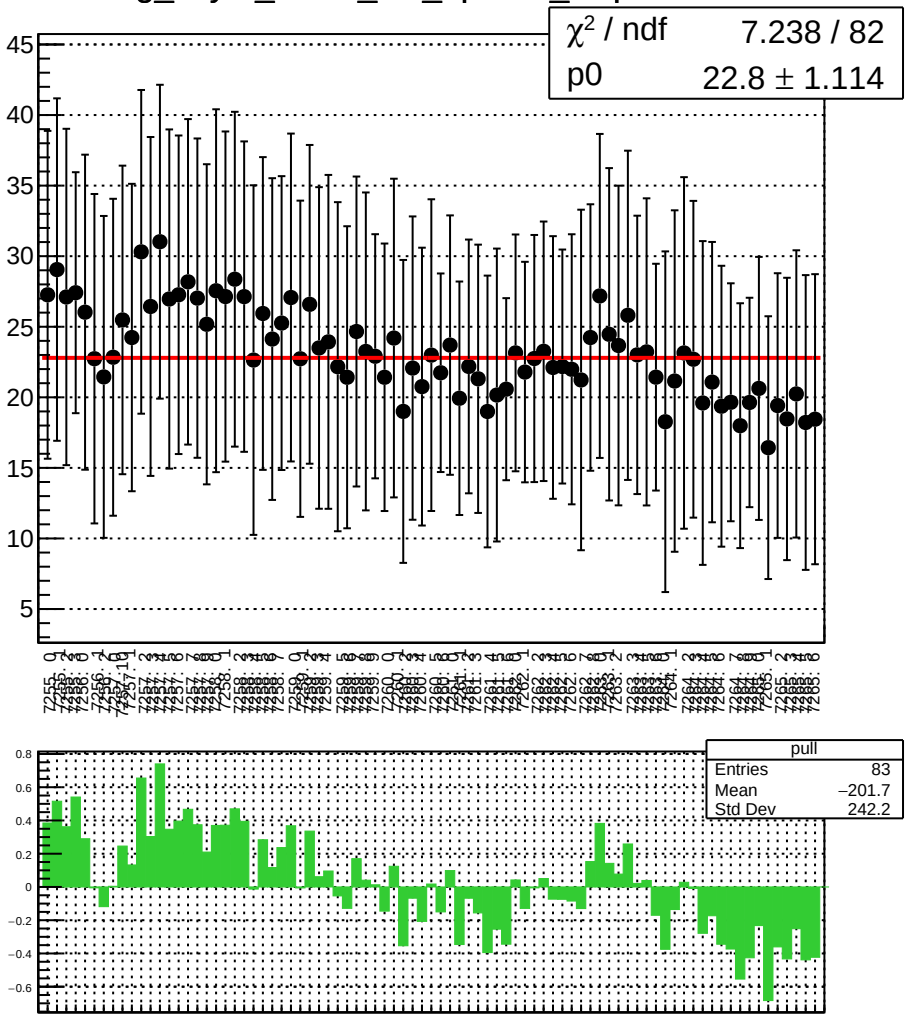

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 148.9 / 82
p0 13.07 ± 1.069
pull
Entries 83
Mean −115.1
Std Dev 152
pull1D
Entries 83
Mean −0.1314
Std Dev 1.333

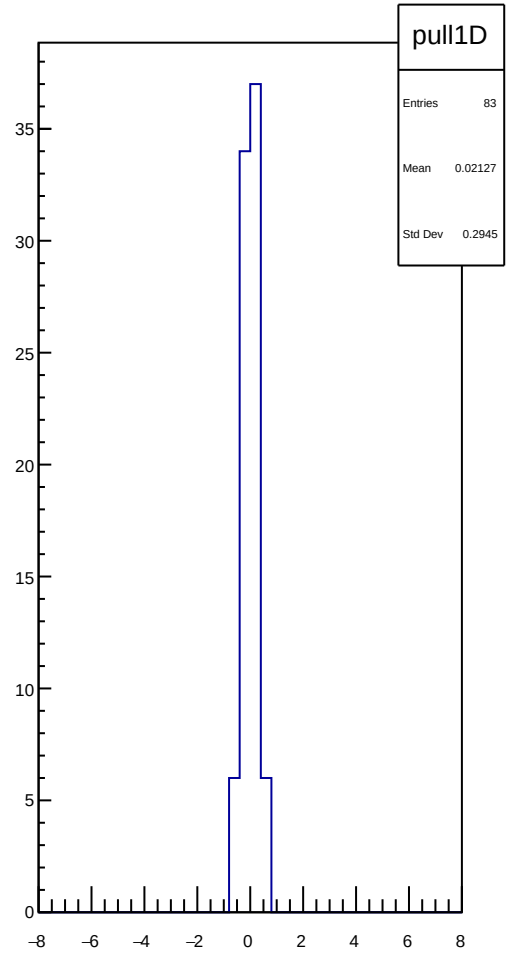

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 32.33 / 82
p0 87.06 ± 0.9213
pull
Entries 83
Mean −658.5
Std Dev 694.9

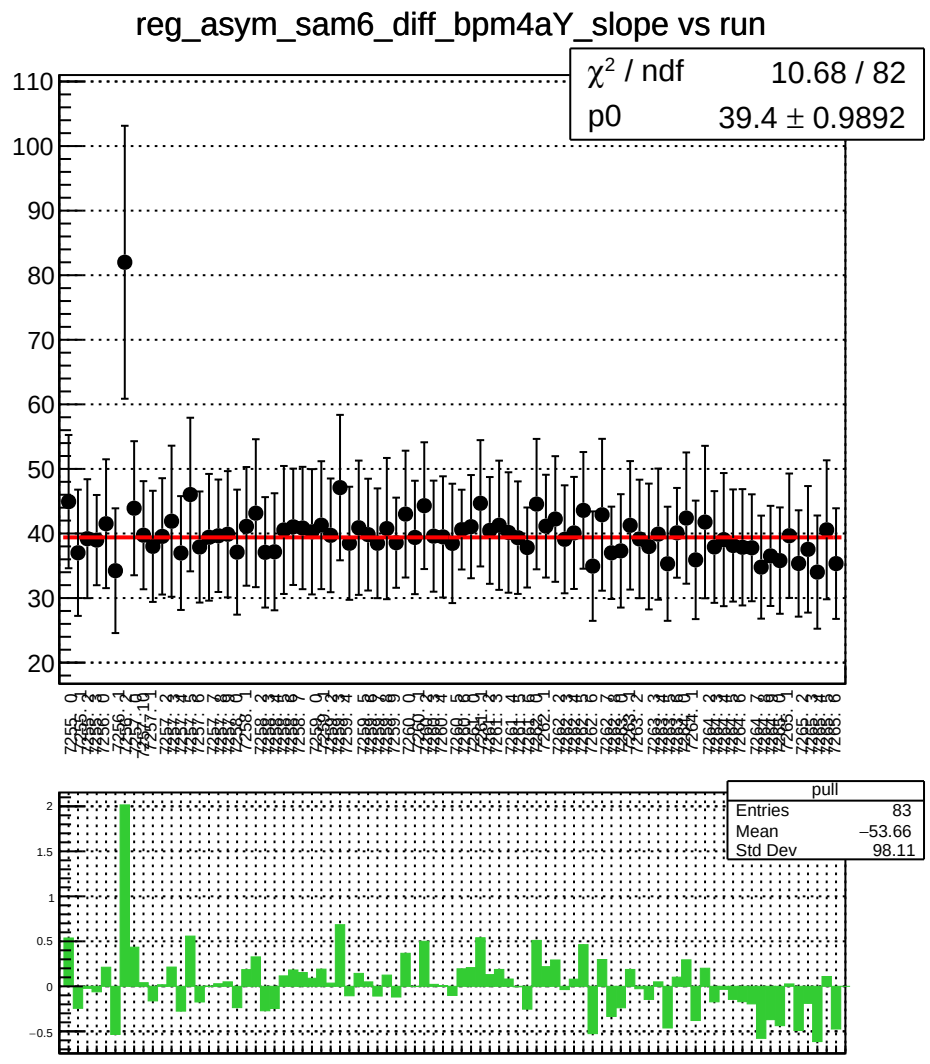

pull1D
Entries 83
Mean 0.009898
Std Dev 0.624

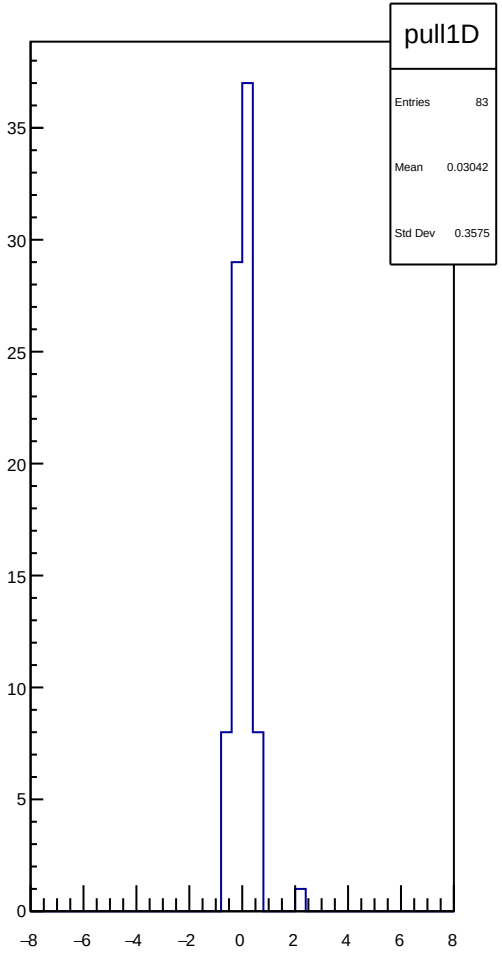

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 13.72 / 82
p0 −0.3835 ± 0.03873
pull
Entries 83
Mean 598
Std Dev 559

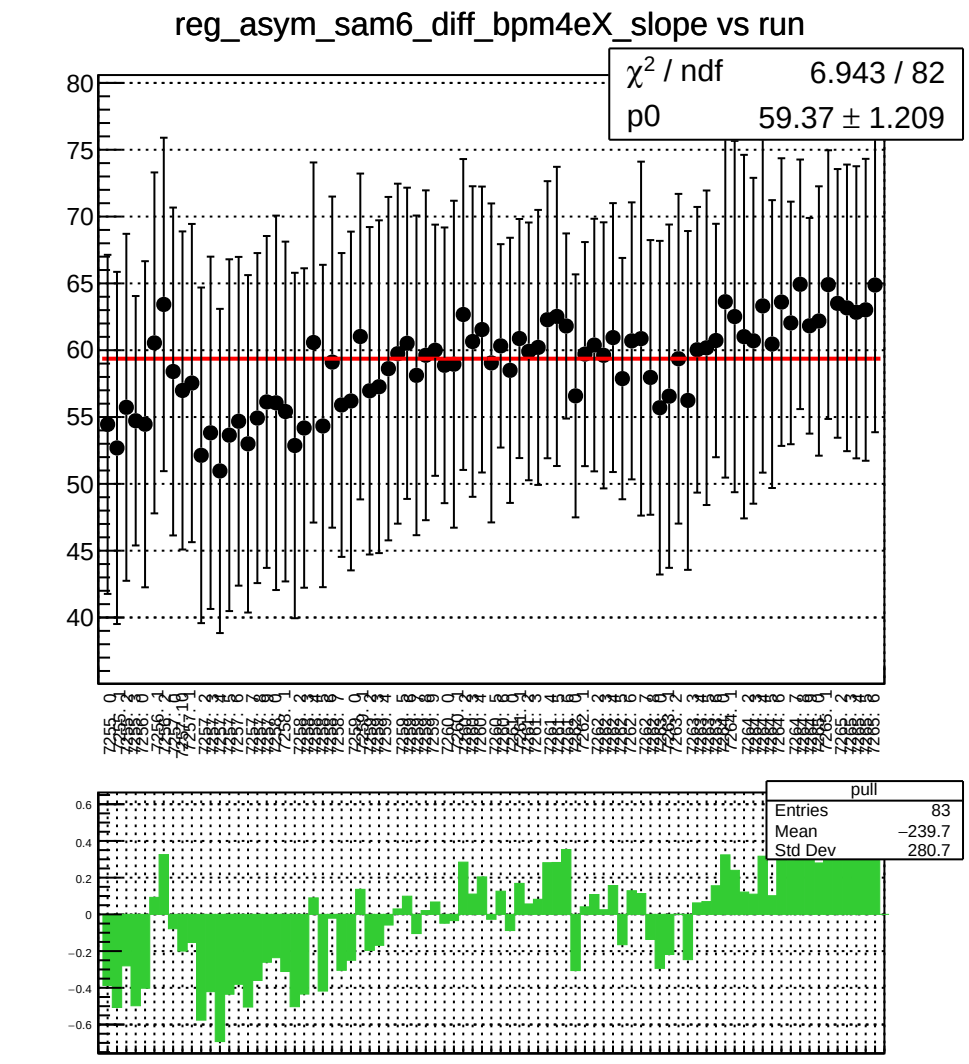

pull1D
Entries 83
Mean −0.0107
Std Dev 0.4064

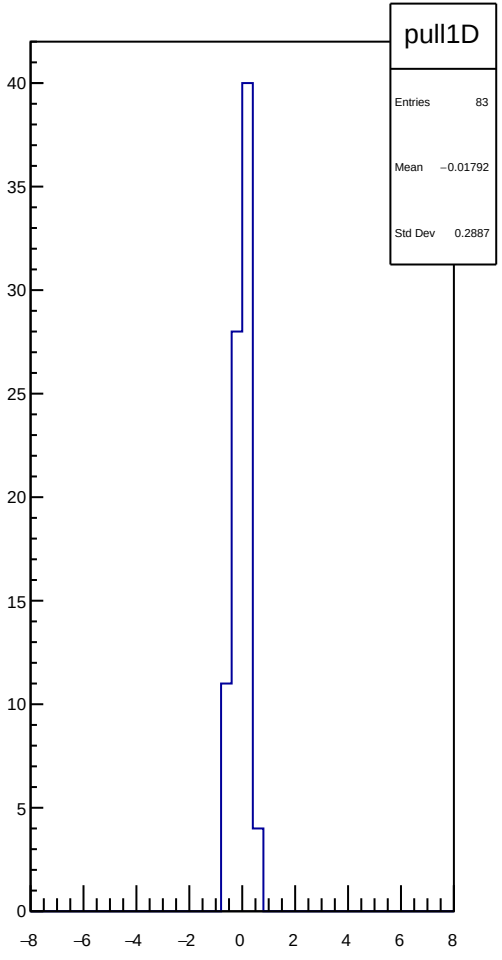

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.238 / 82
p0 22.8 ± 1.114
pull
Entries 83
Mean −201.7
Std Dev 242.2

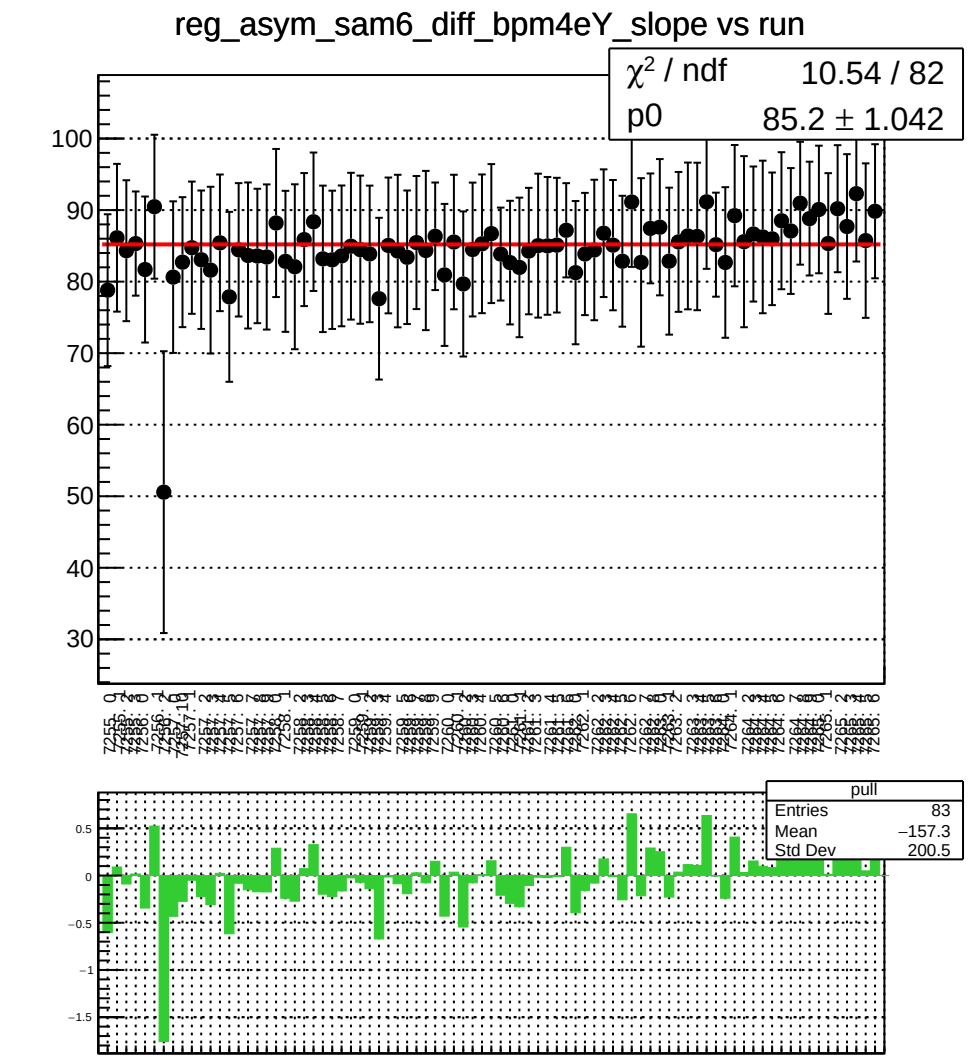

pull1D
Entries 83
Mean 0.02127
Std Dev 0.2945

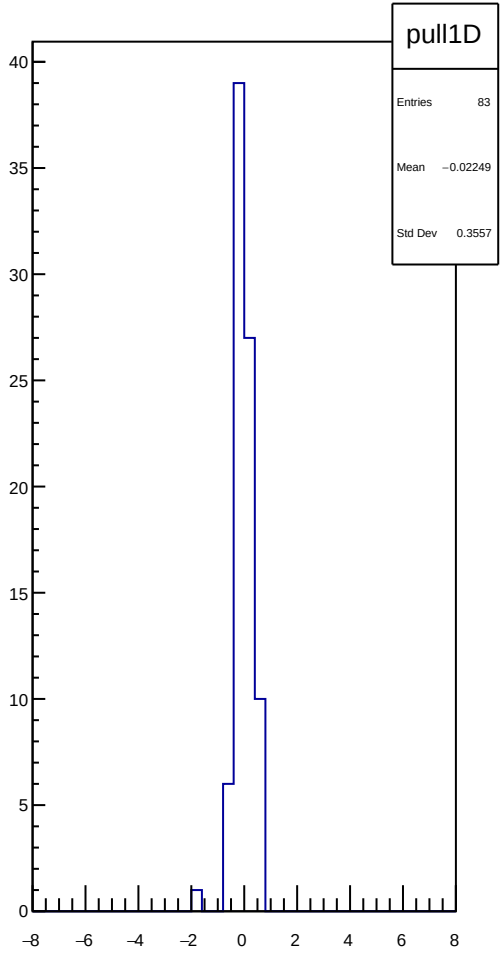

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 10.68 / 82
p0 39.4 ± 0.9892
pull
Entries 83
Mean −53.66
Std Dev 98.11

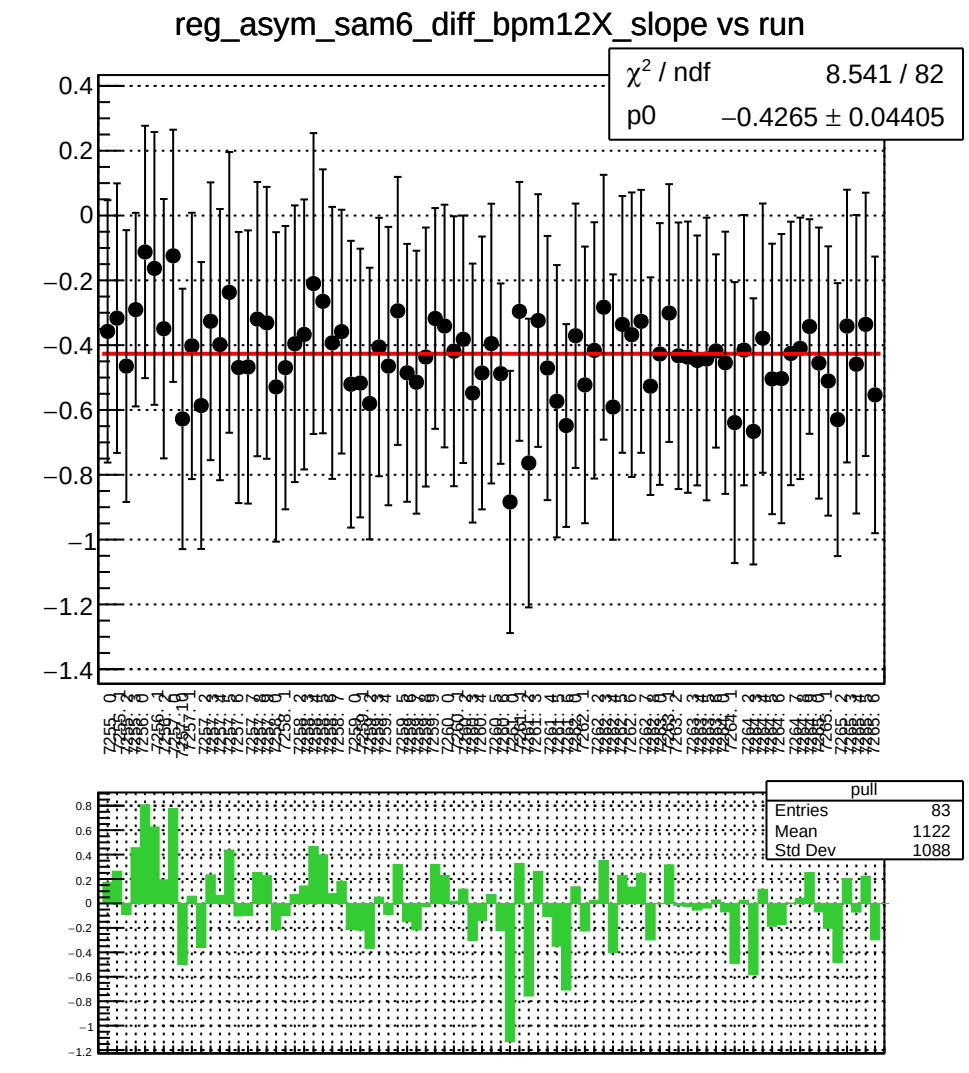

pull1D
Entries 83
Mean 0.03042
Std Dev 0.3575

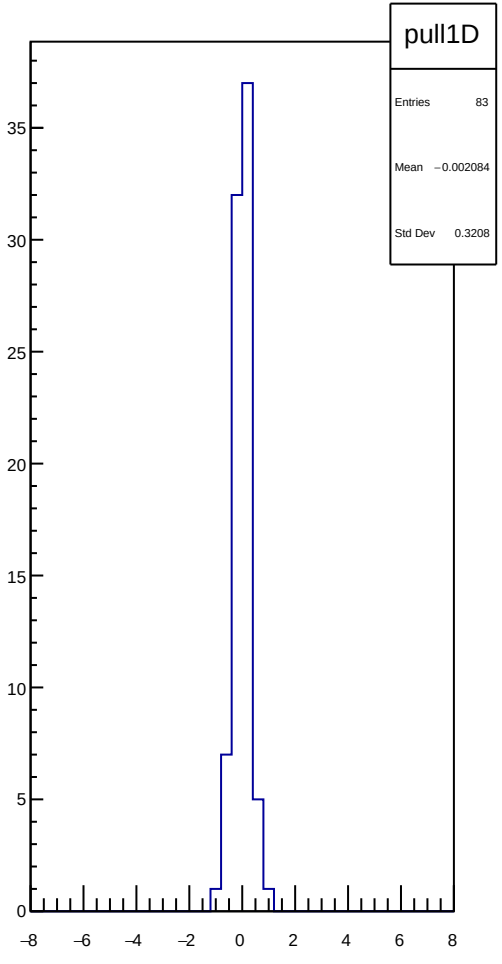

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 6.943 / 82
p0 59.37 ± 1.209
pull
Entries 83
Mean −239.7
Std Dev 280.7

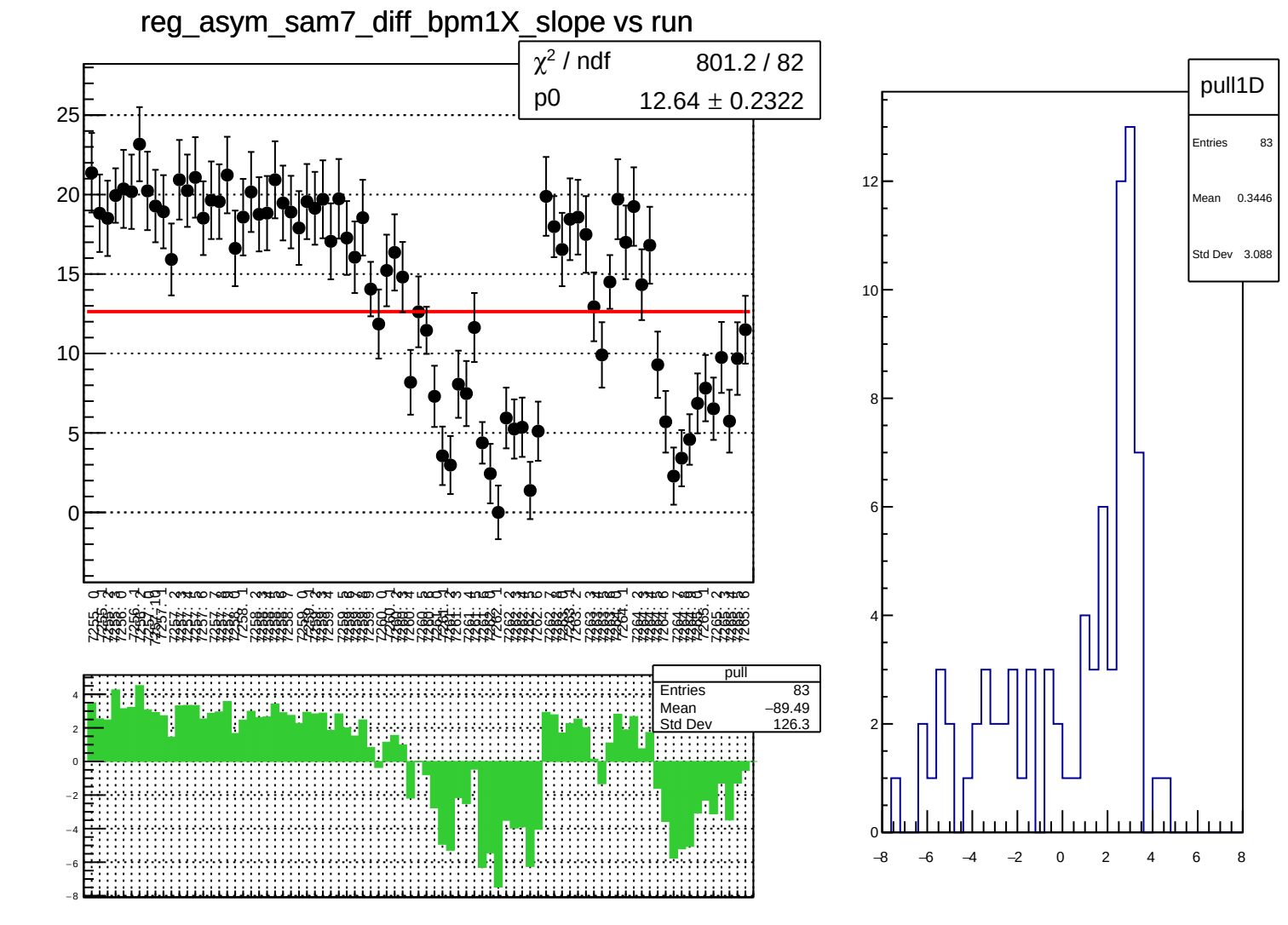

pull1D
Entries 83
Mean −0.01792
Std Dev 0.2887

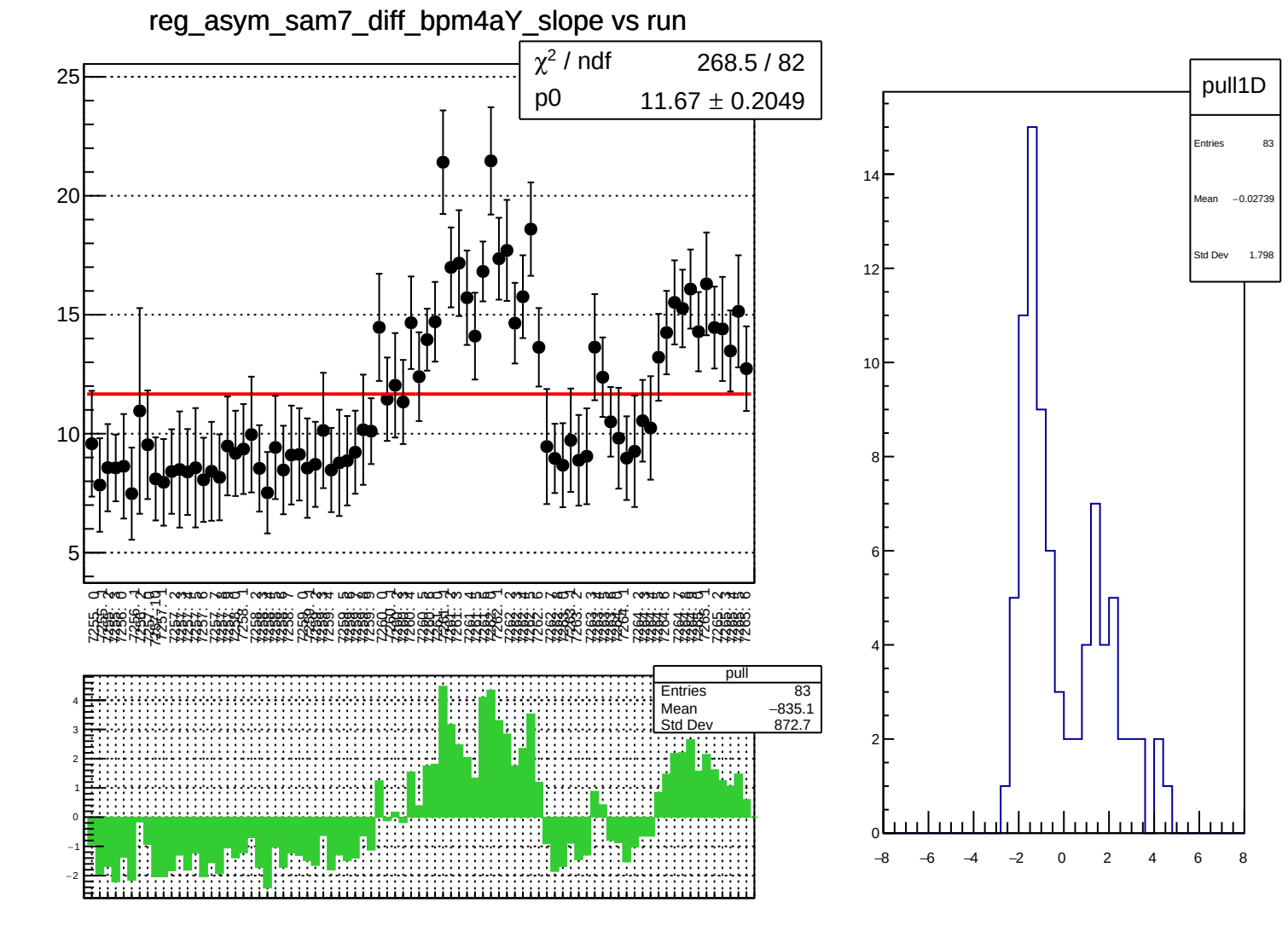

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 10.54 / 82
p0 85.2 ± 1.042
pull
Entries 83
Mean −157.3
Std Dev 200.5

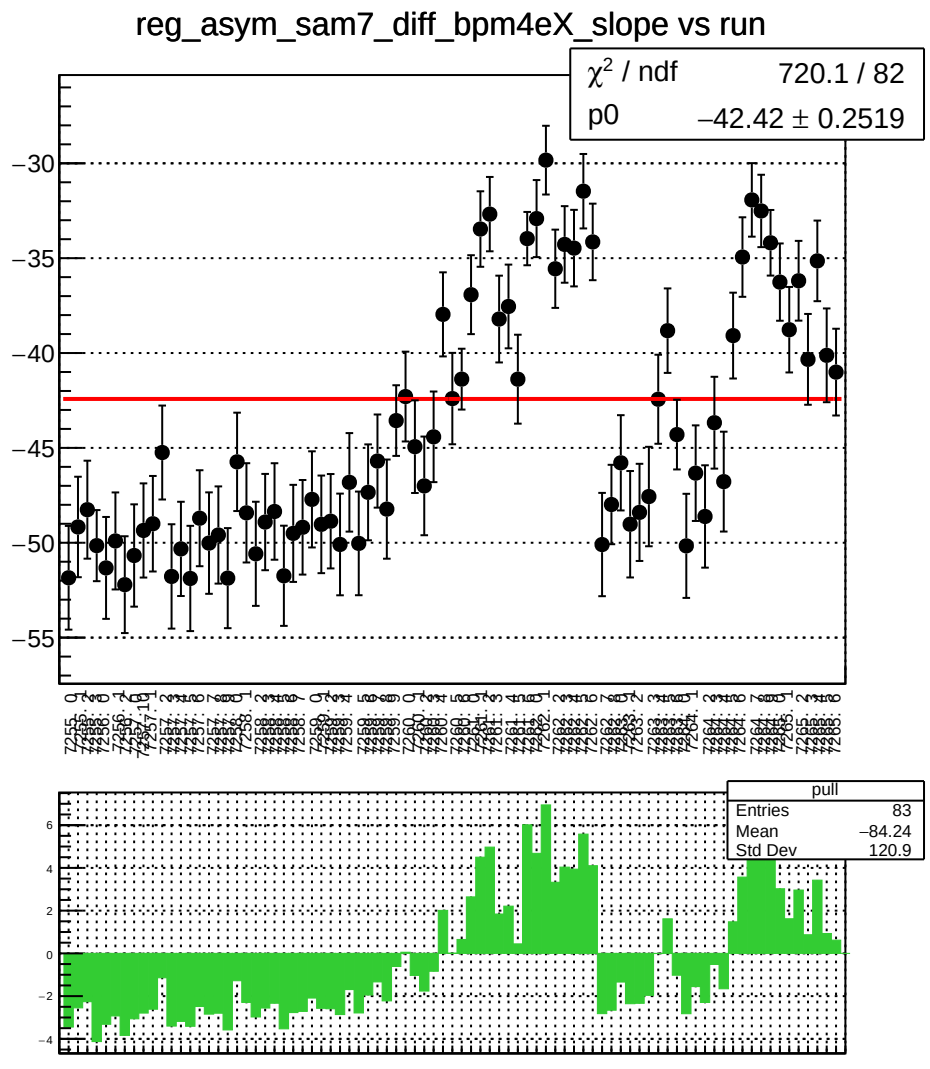

pull1D
Entries 83
Mean −0.02249
Std Dev 0.3557

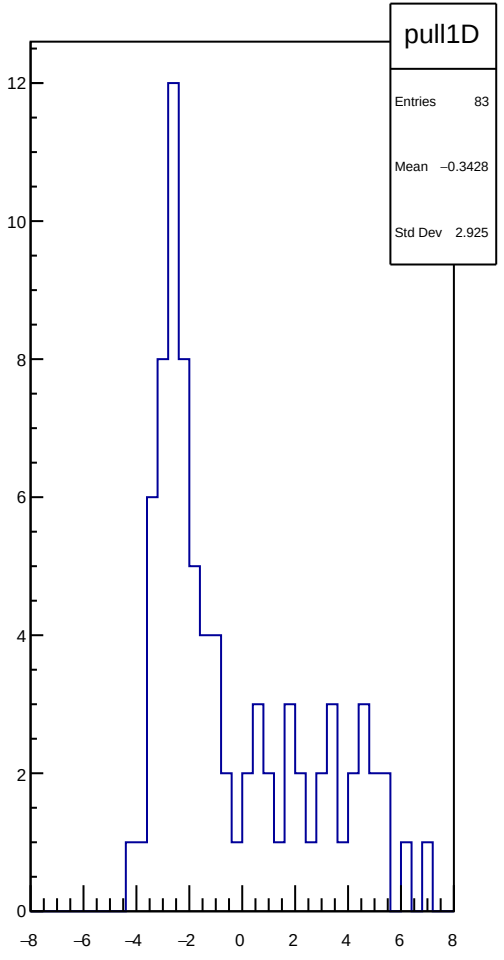

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 8.541 / 82
p0 −0.4265 ± 0.04405
pull
Entries 83
Mean 1122
Std Dev 1088

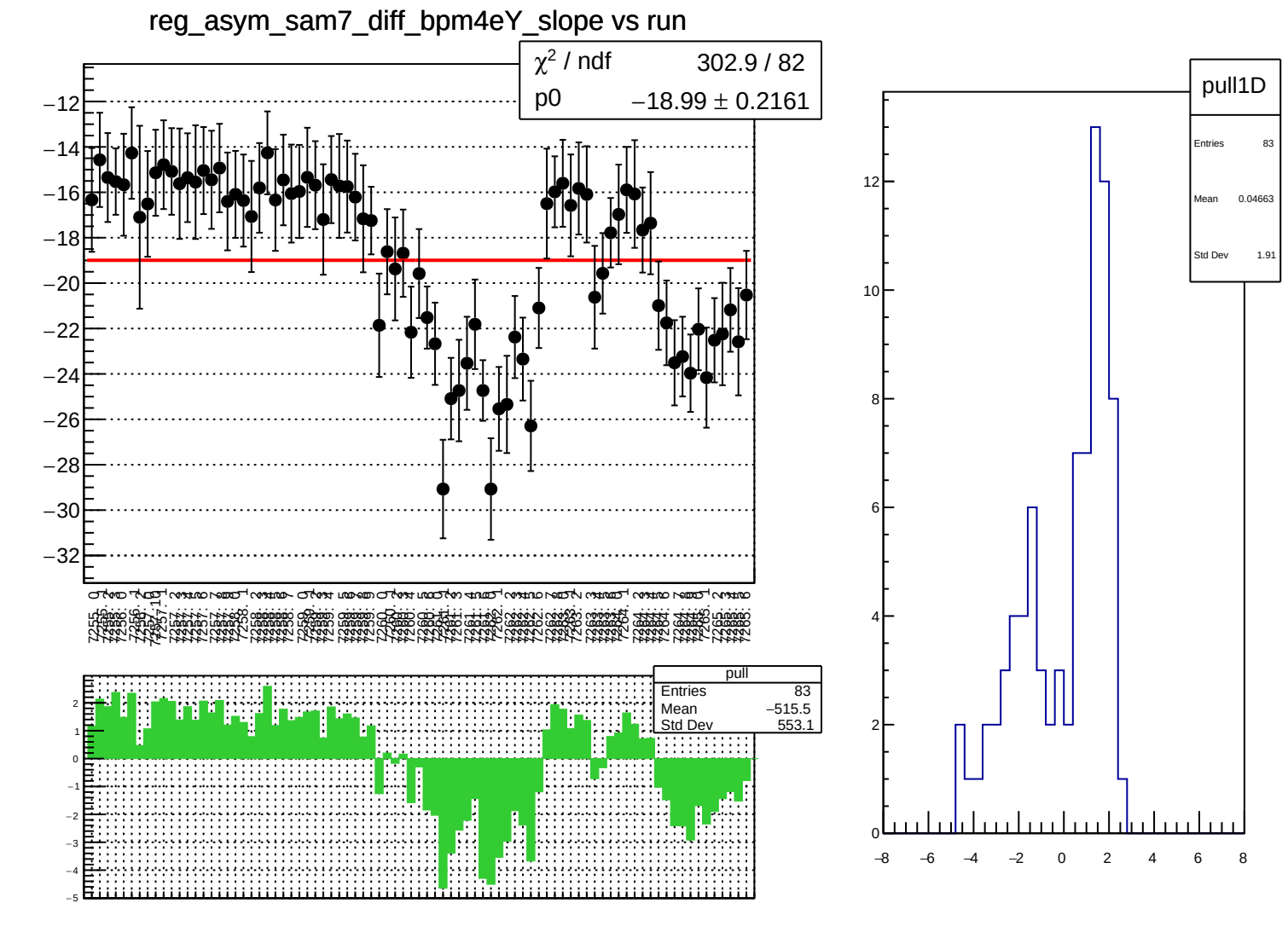

pull1D
Entries 83
Mean −0.002084
Std Dev 0.3208

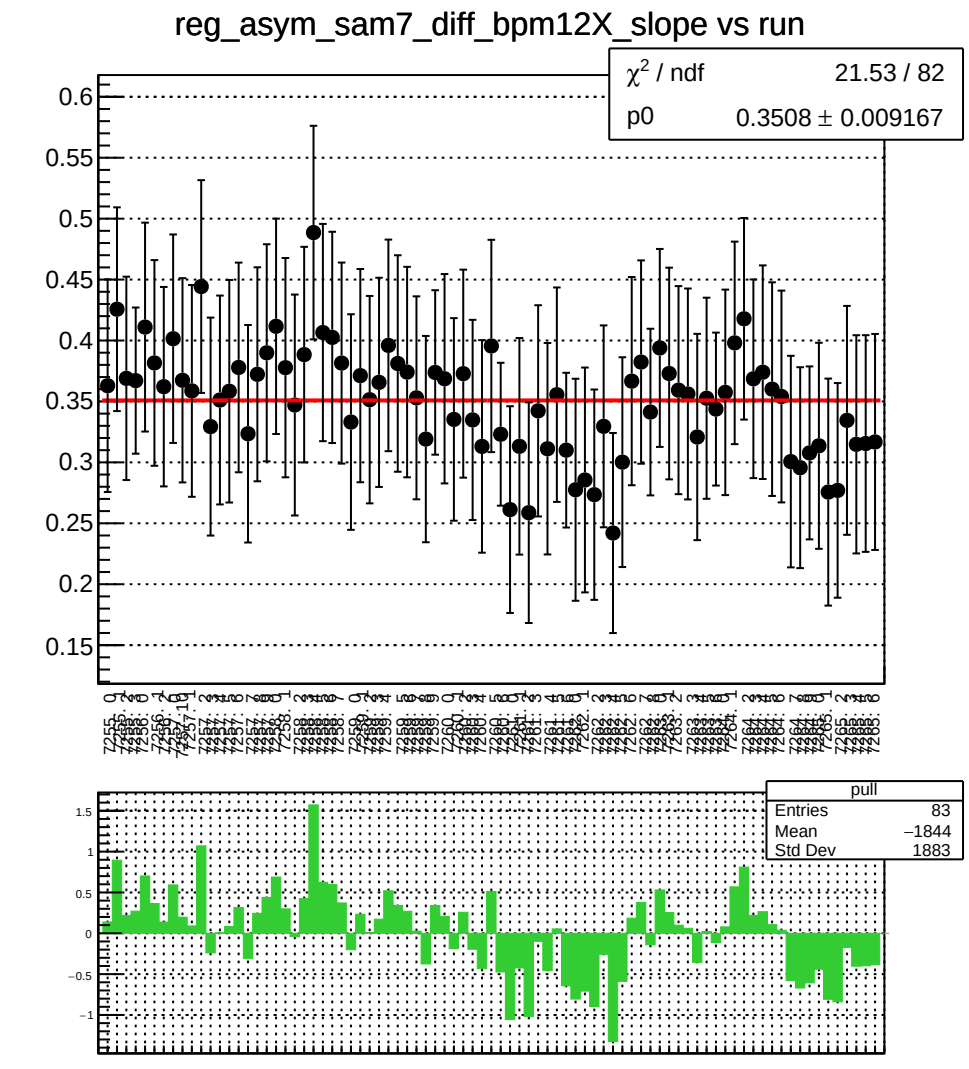

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 801.2 / 82
p0 12.64 ± 0.2322
pull
Entries 83
Mean −89.49
Std Dev 126.3
pull1D
Entries 83
Mean 0.3446
Std Dev 3.088

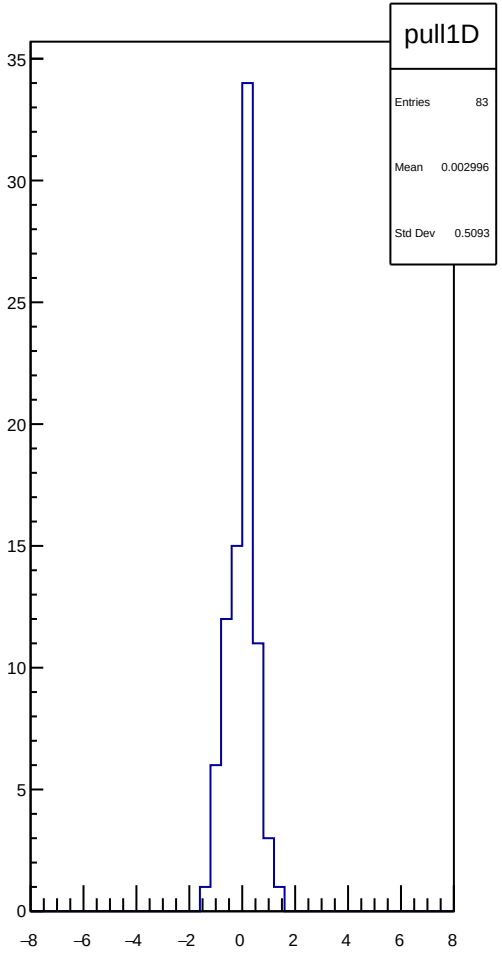

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 268.5 / 82
p0 11.67 ± 0.2049
pull
Entries 83
Mean −835.1
Std Dev 872.7
pull1D
Entries 83
Mean −0.02739
Std Dev 1.798

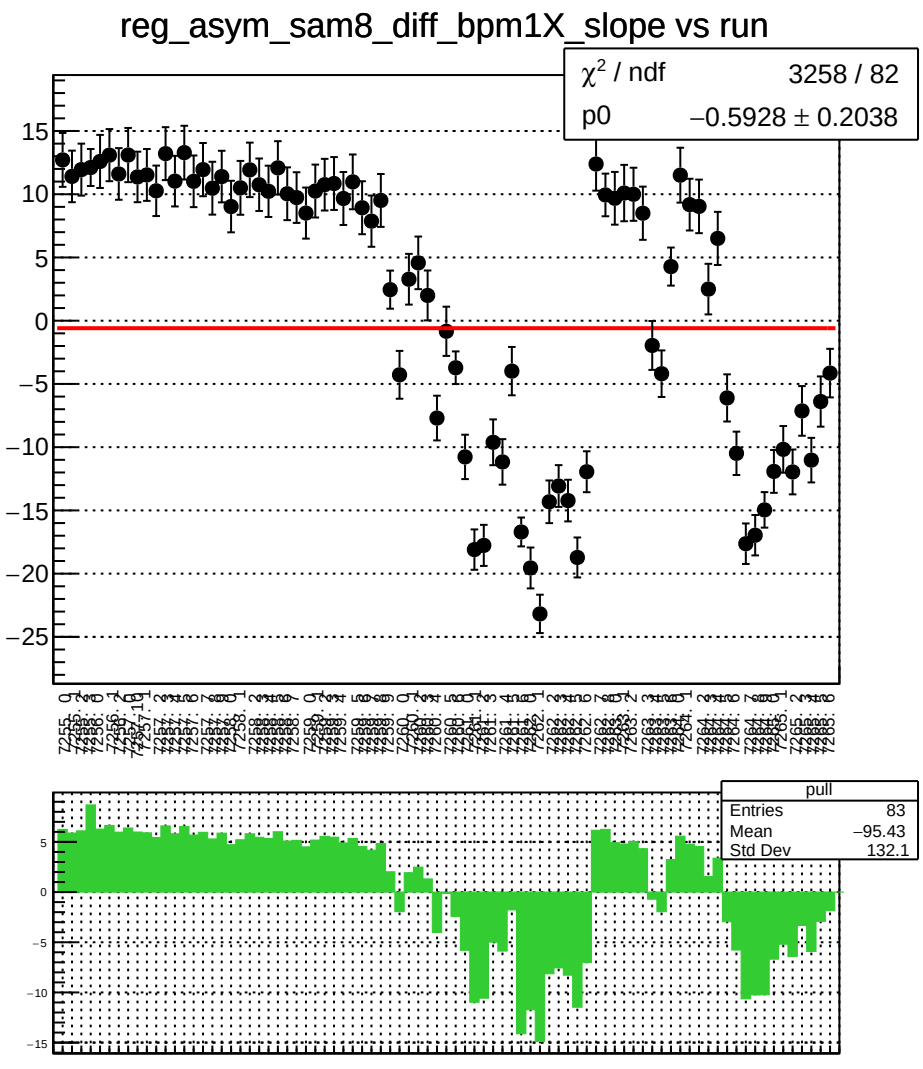

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 720.1 / 82
p0 −42.42 ± 0.2519
pull
Entries 83
Mean −84.24
Std Dev 120.9

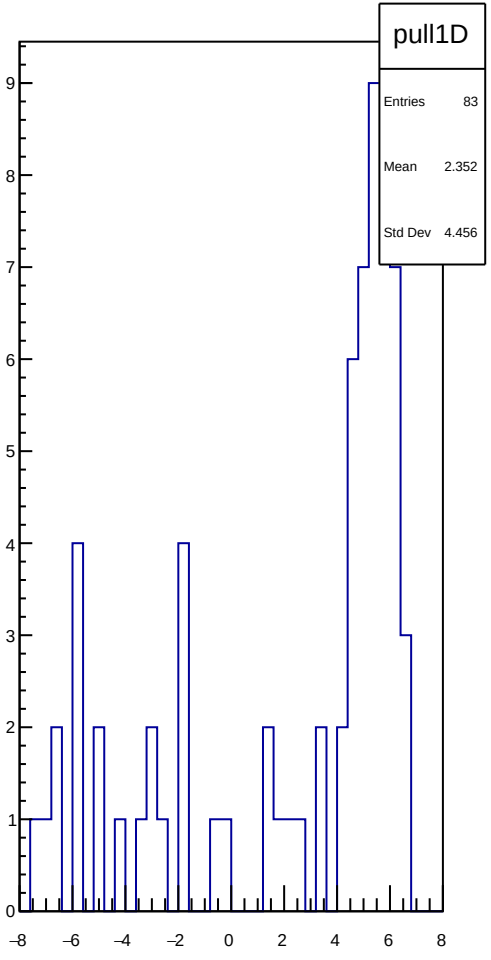

pull1D
Entries 83
Mean −0.3428
Std Dev 2.925

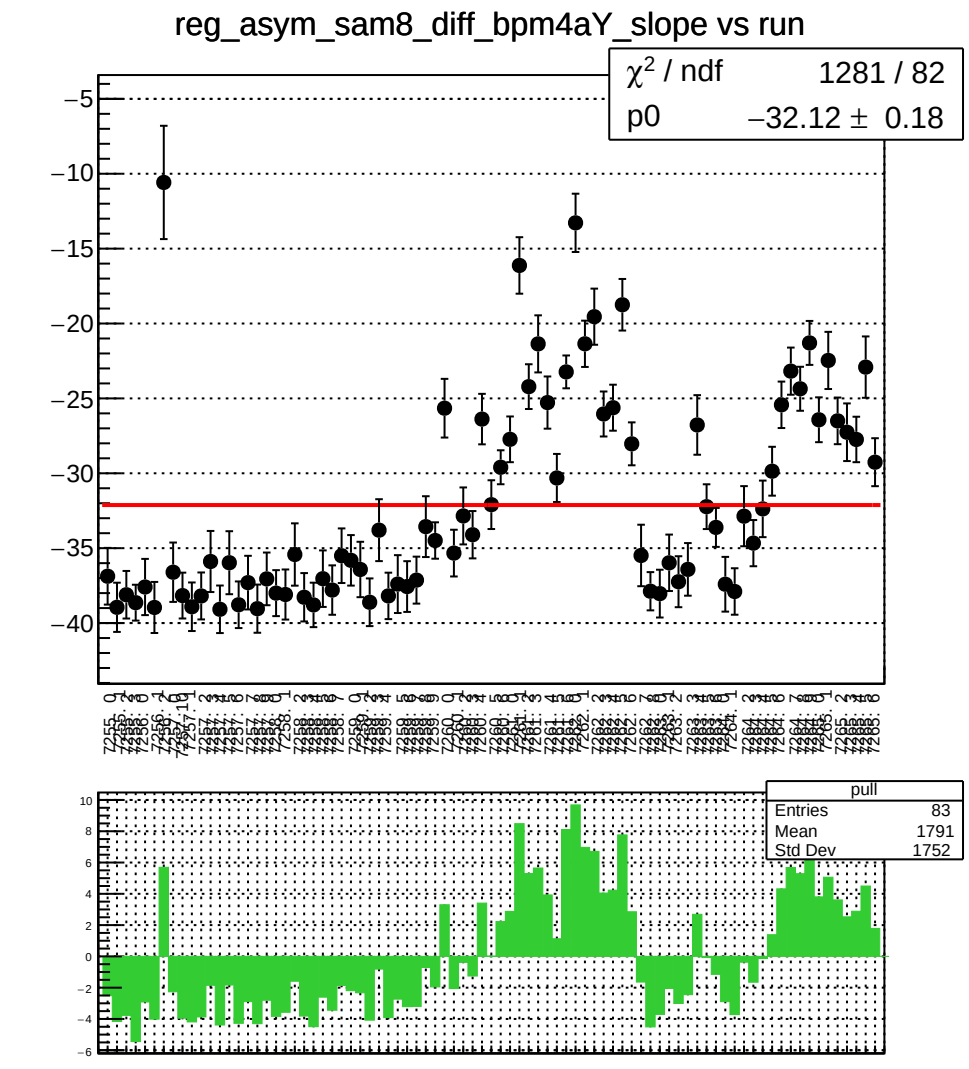

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 302.9 / 82
p0 −18.99 ± 0.2161
pull
Entries 83
Mean −515.5
Std Dev 553.1
pull1D
Entries 83
Mean 0.04663
Std Dev 1.91

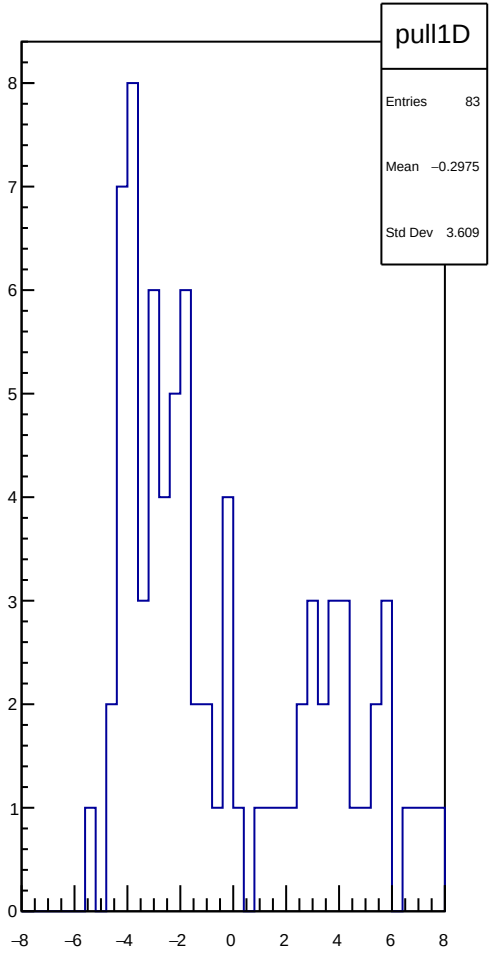

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 21.53 / 82
p0 0.3508 ± 0.009167
pull
Entries 83
Mean −1844
Std Dev 1883

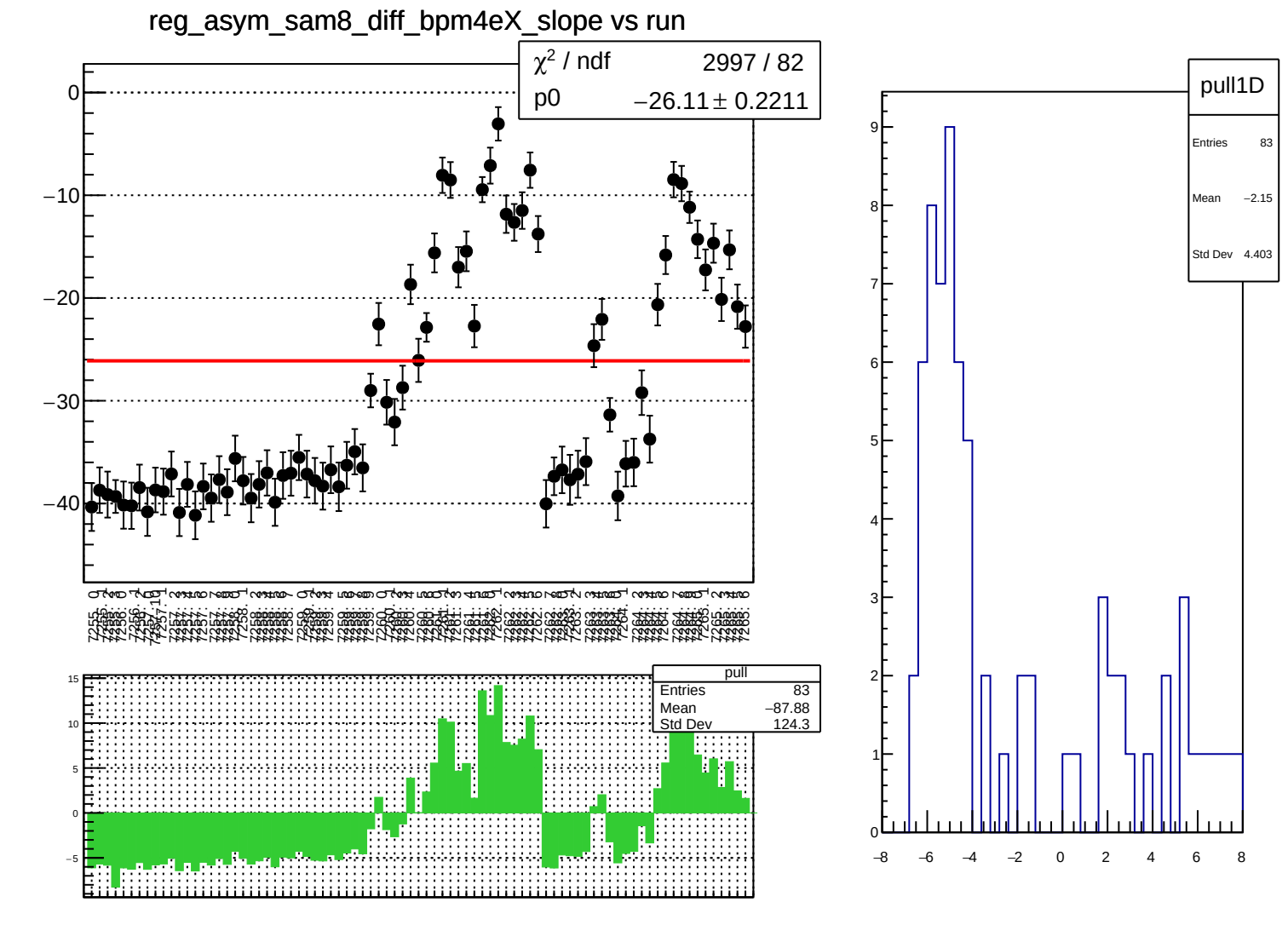

pull1D
Entries 83
Mean 0.002996
Std Dev 0.5093

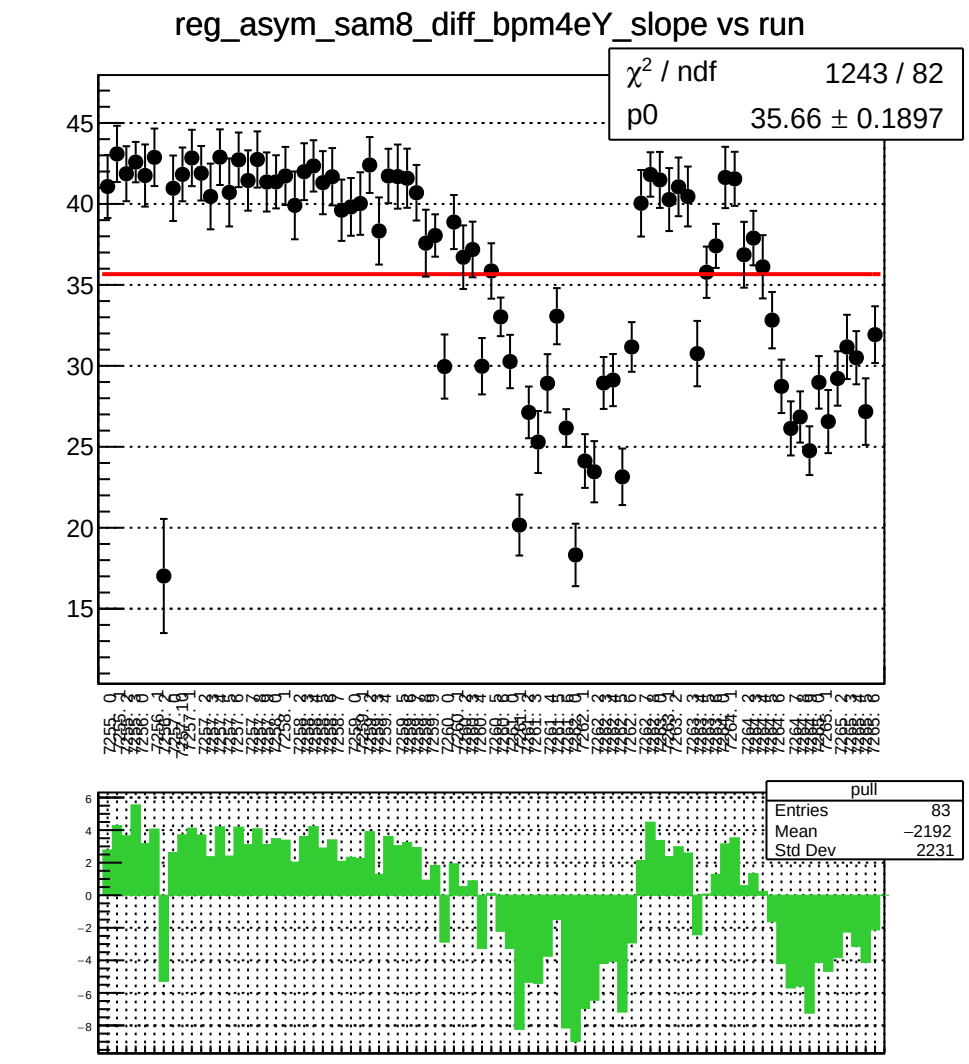

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 3258 / 82
p0 −0.5928 ± 0.2038
pull
Entries 83
Mean −95.43
Std Dev 132.1

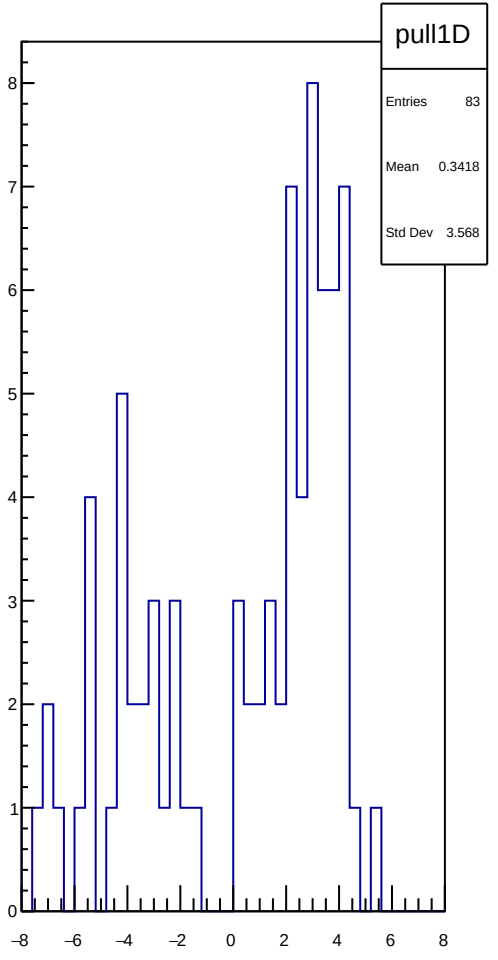

pull1D
Entries 83
Mean 2.352
Std Dev 4.456

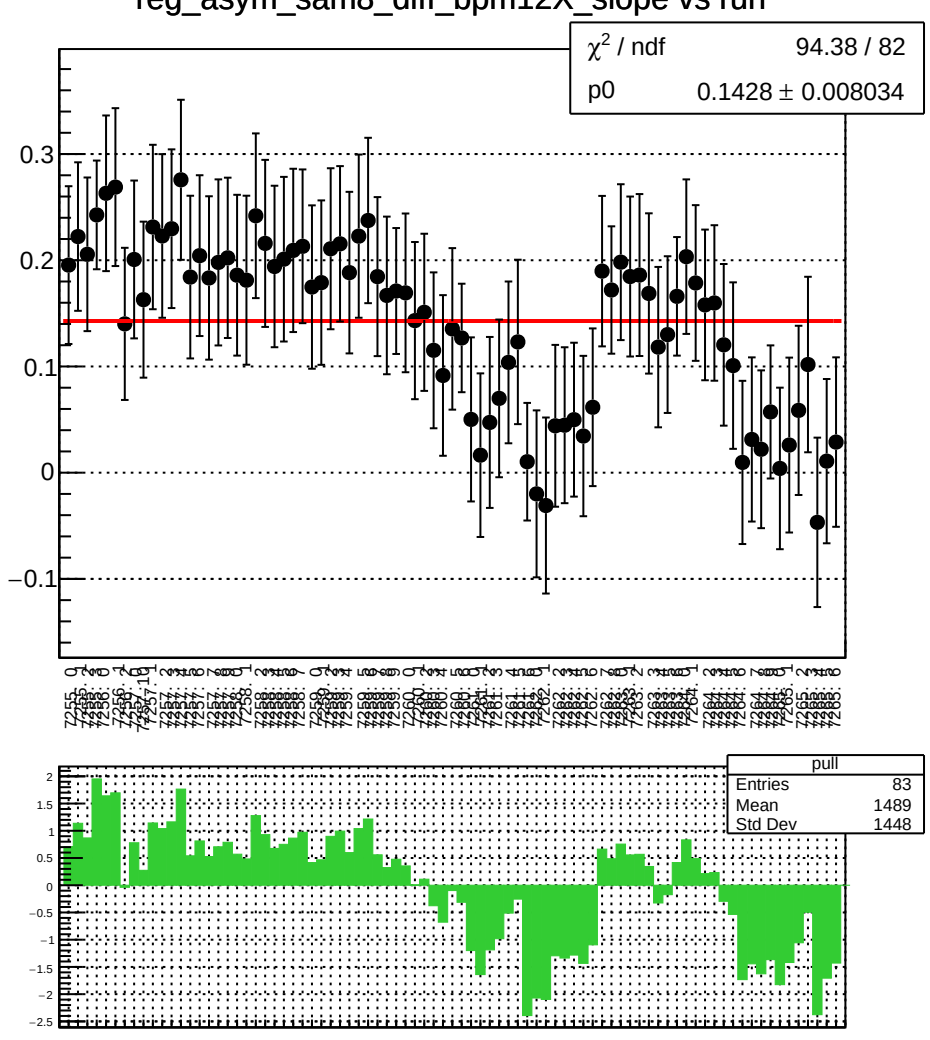

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1281 / 82
p0 −32.12 ± 0.18
pull
Entries 83
Mean 1791
Std Dev 1752

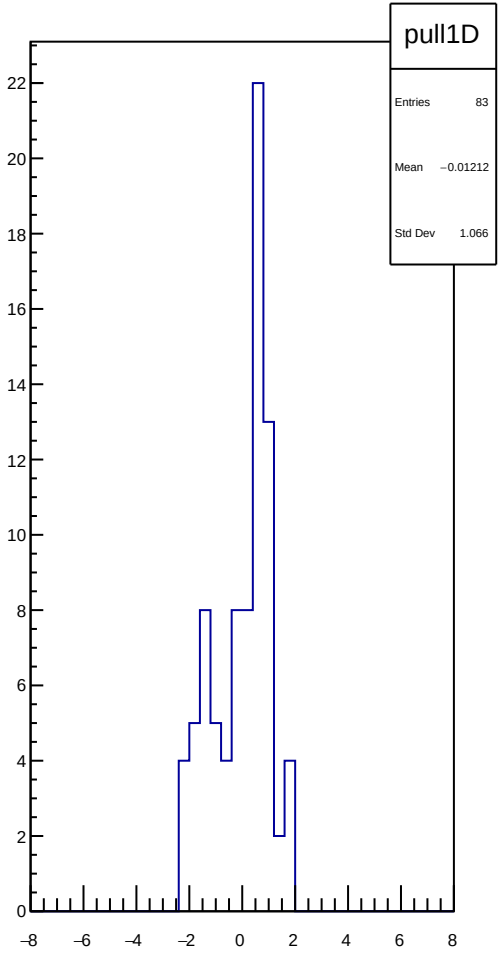

pull1D
Entries 83
Mean −0.2975
Std Dev 3.609

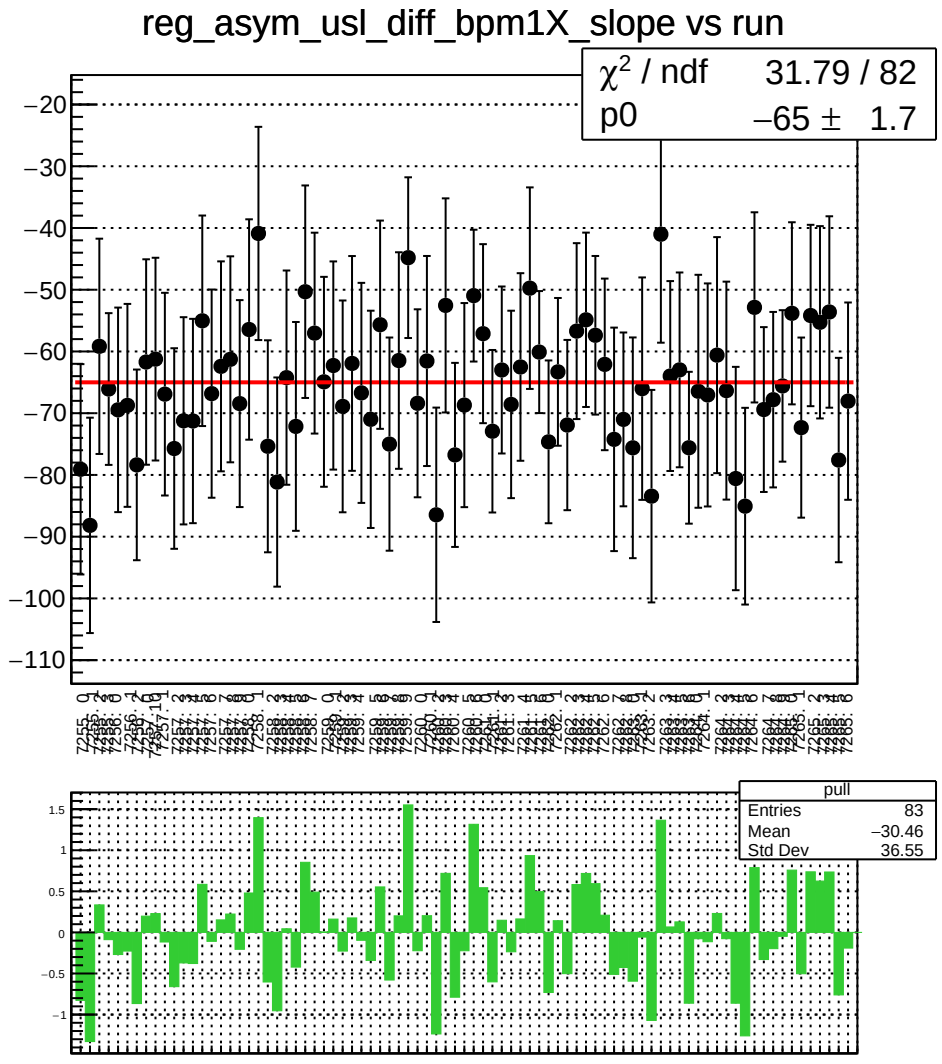

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2997 / 82
p0 −26.11 ± 0.2211
pull
Entries 83
Mean −87.88
Std Dev 124.3
pull1D
Entries 83
Mean −2.15
Std Dev 4.403

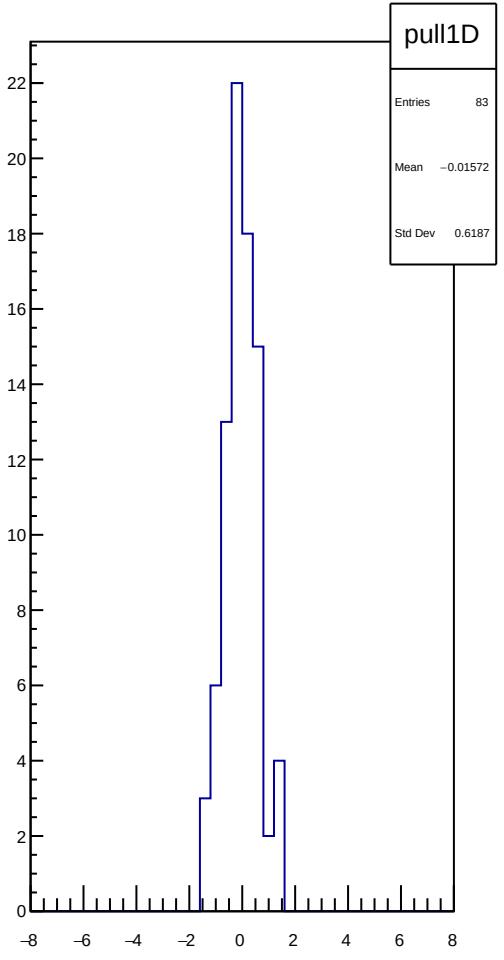

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1243 / 82
p0 35.66 ± 0.1897
pull
Entries 83
Mean −2192
Std Dev 2231

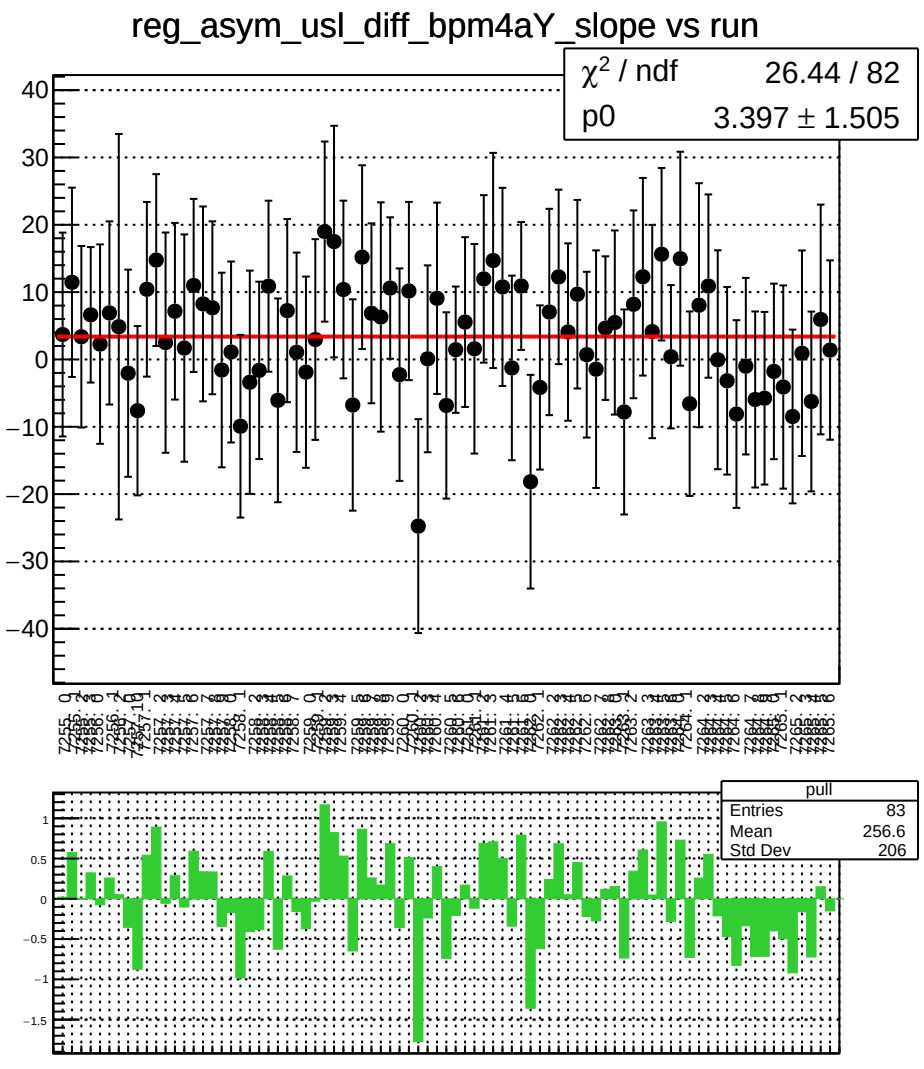

pull1D
Entries 83
Mean 0.3418
Std Dev 3.568

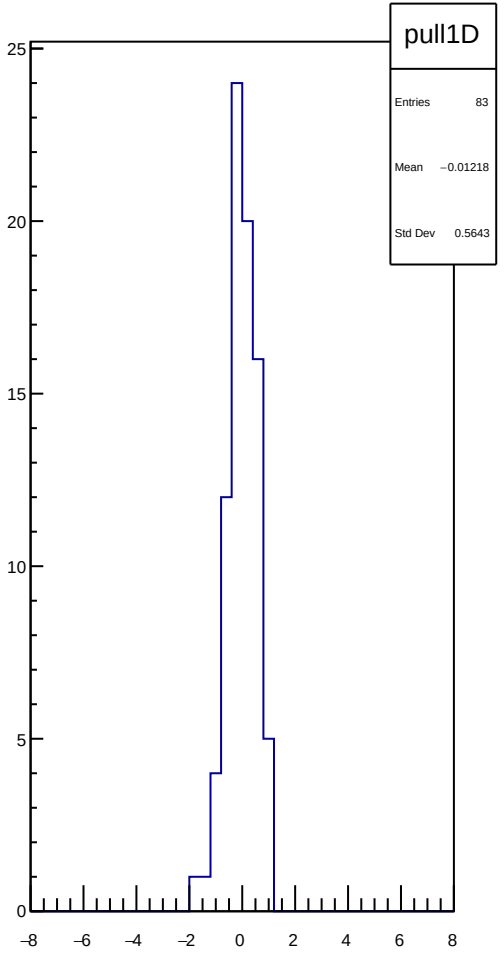

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 94.38 / 82
p0 0.1428 ± 0.008034
pull
Entries 83
Mean 1489
Std Dev 1448

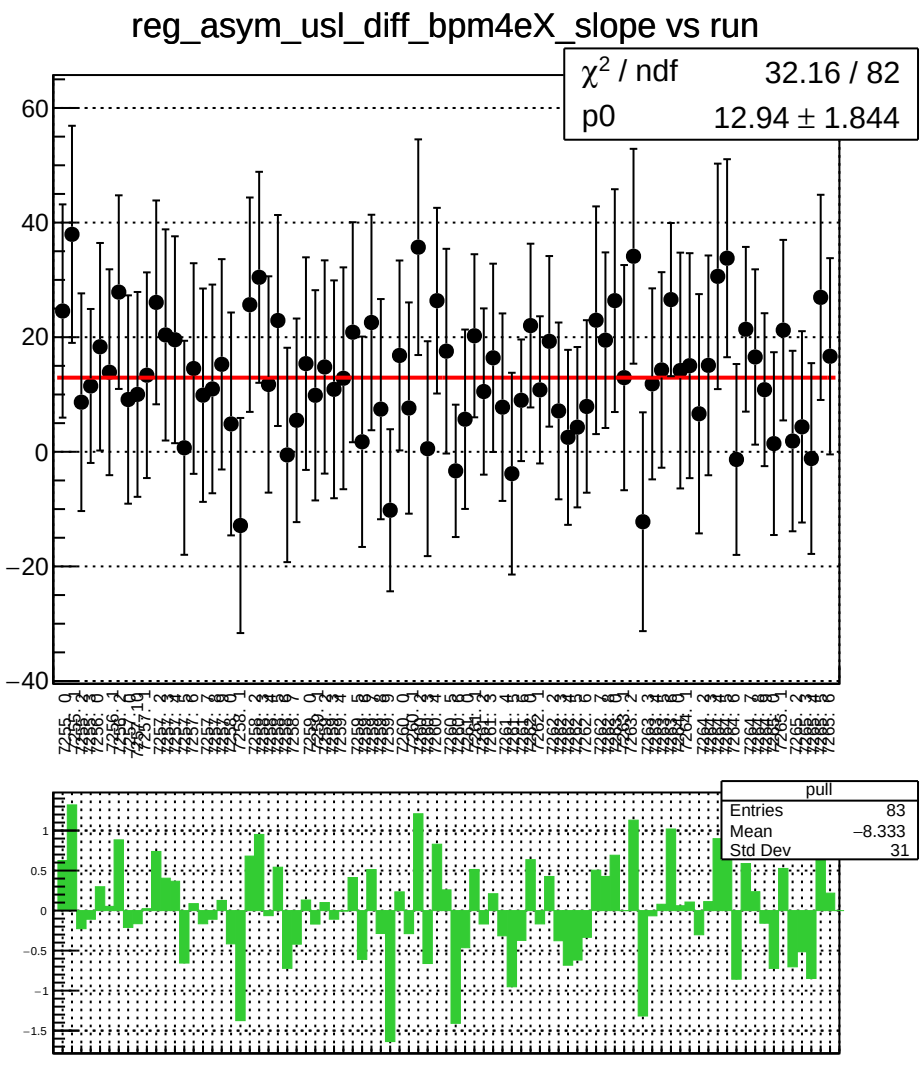

pull1D
Entries 83
Mean −0.01212
Std Dev 1.066

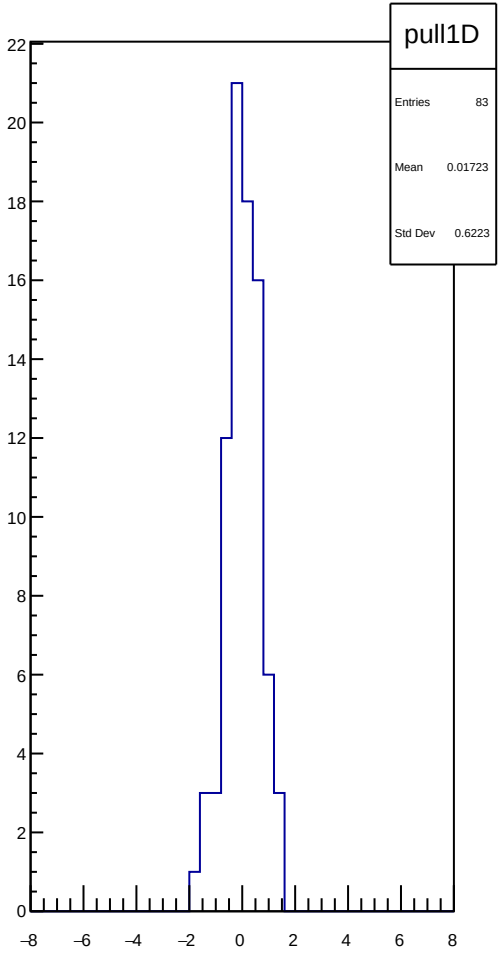

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 31.79 / 82
p0 −65 ± 1.7
pull
Entries 83
Mean −30.46
Std Dev 36.55

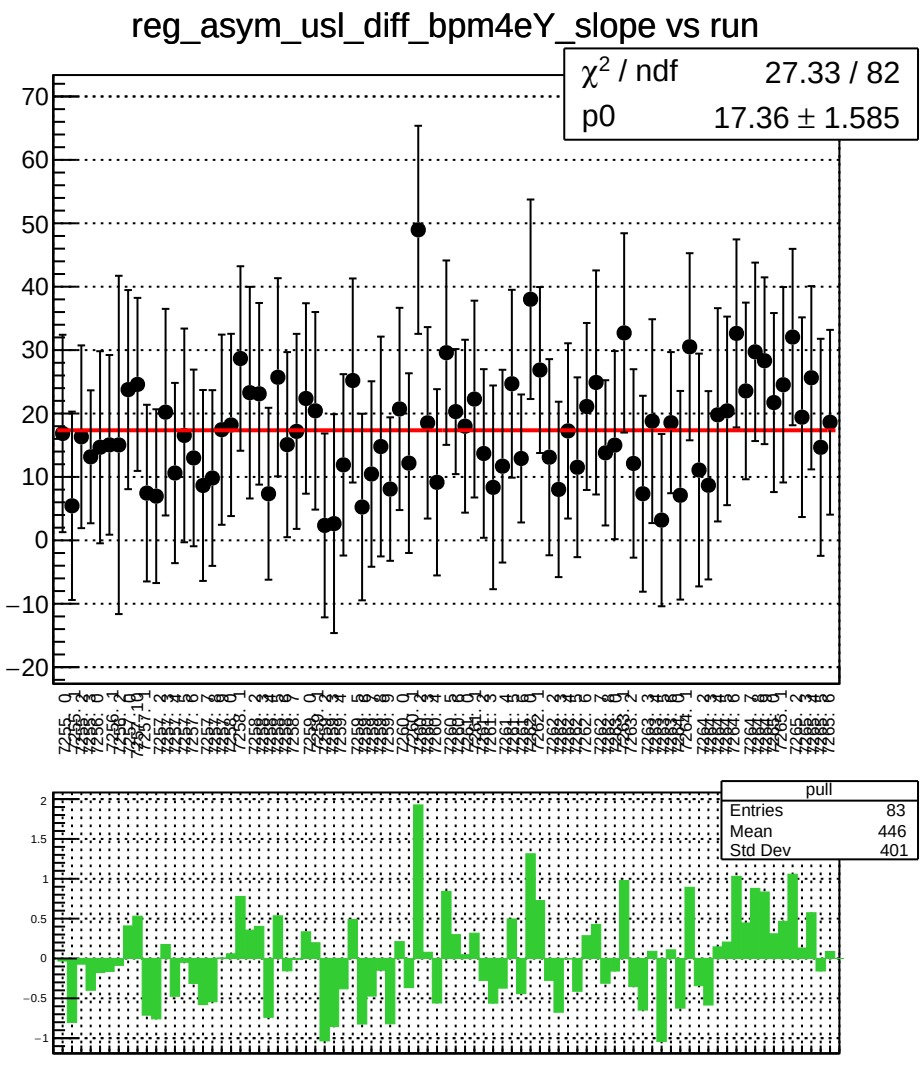

pull1D
Entries 83
Mean −0.01572
Std Dev 0.6187

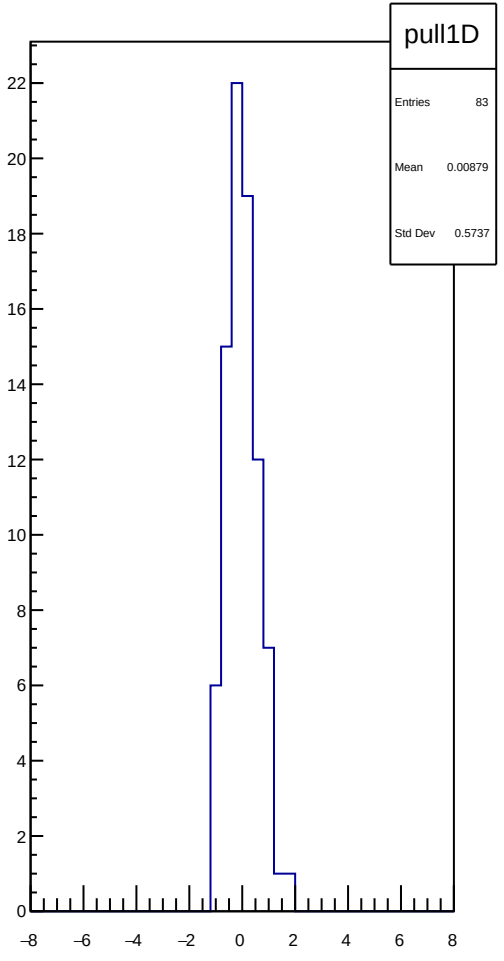

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 26.44 / 82
p0 3.397 ± 1.505
pull
Entries 83
Mean 256.6
Std Dev 206

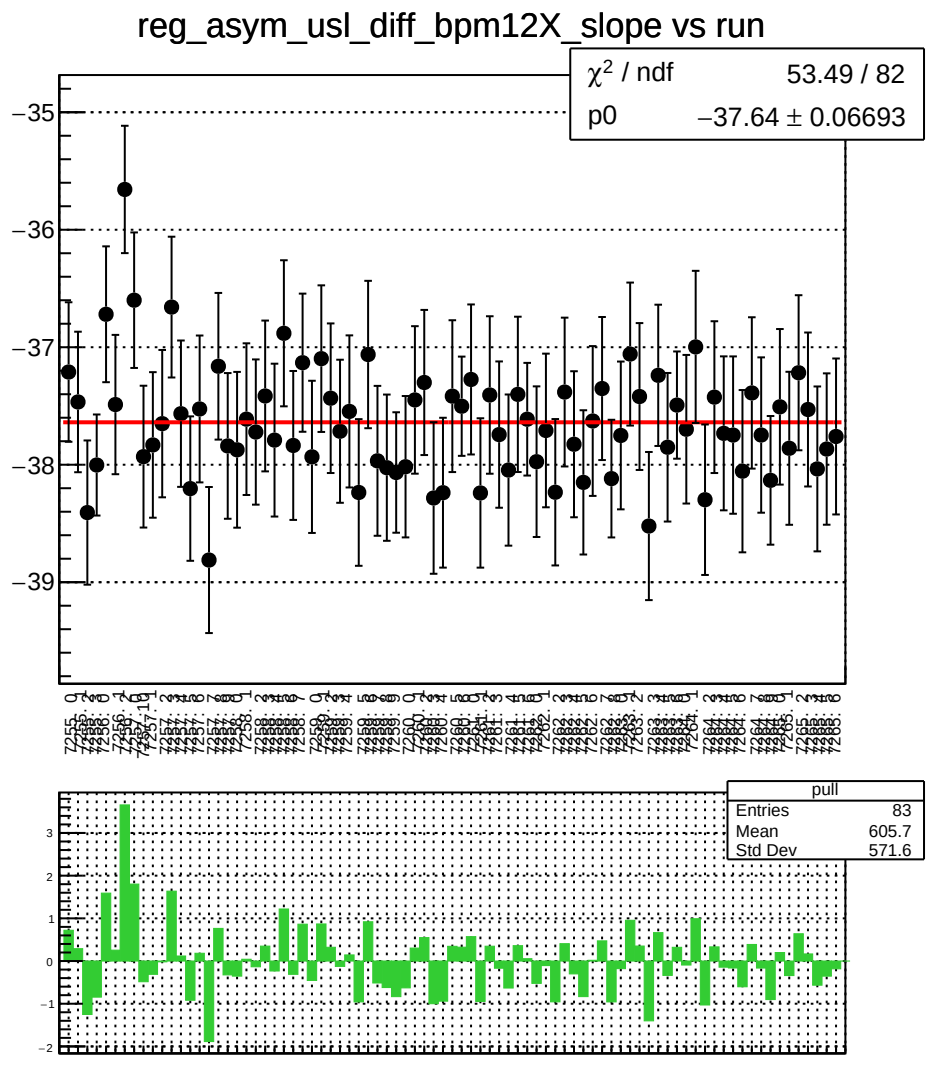

pull1D
Entries 83
Mean −0.01218
Std Dev 0.5643

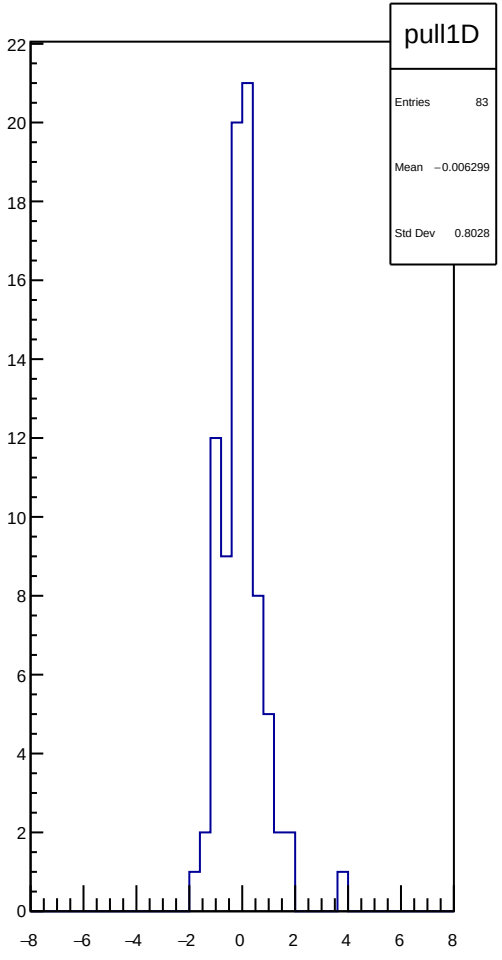

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 32.16 / 82
p0 12.94 ± 1.844
pull
Entries 83
Mean −8.333
Std Dev 31

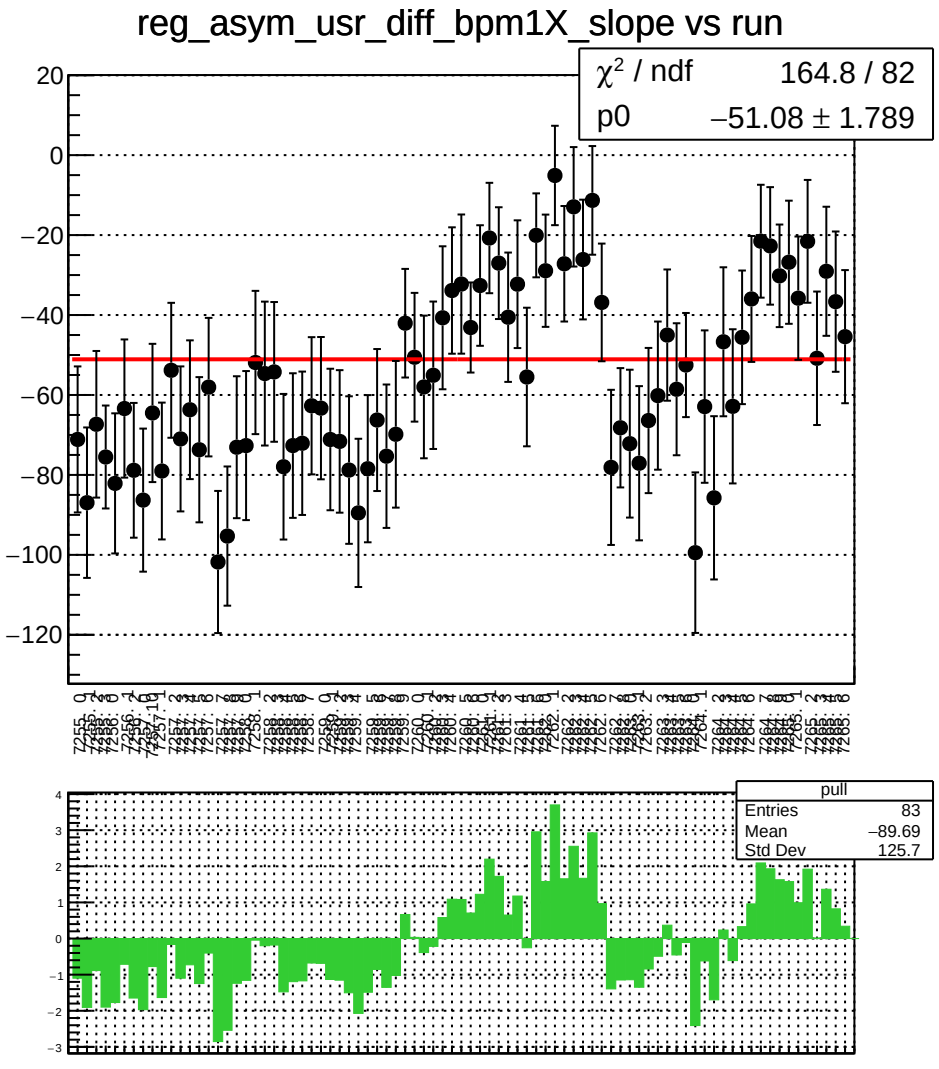

pull1D
Entries 83
Mean 0.01723
Std Dev 0.6223

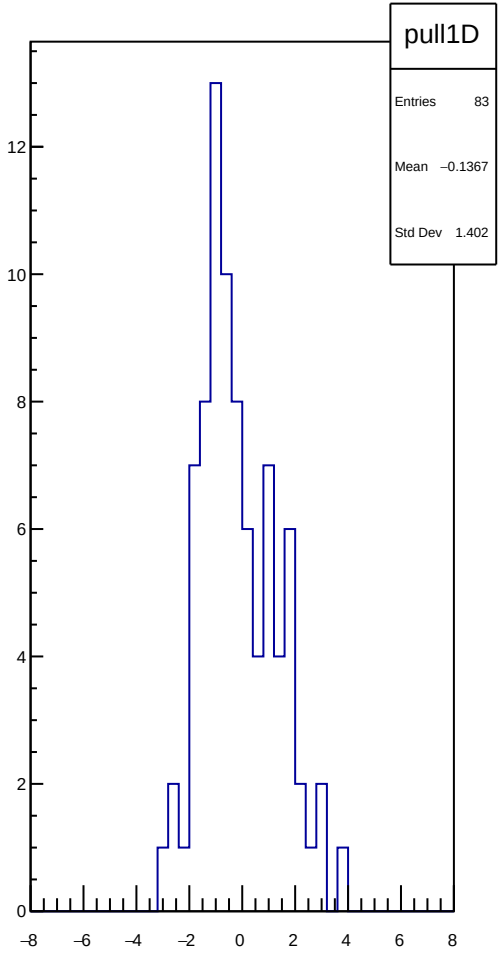

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 27.33 / 82
p0 17.36 ± 1.585
pull
Entries 83
Mean 446
Std Dev 401

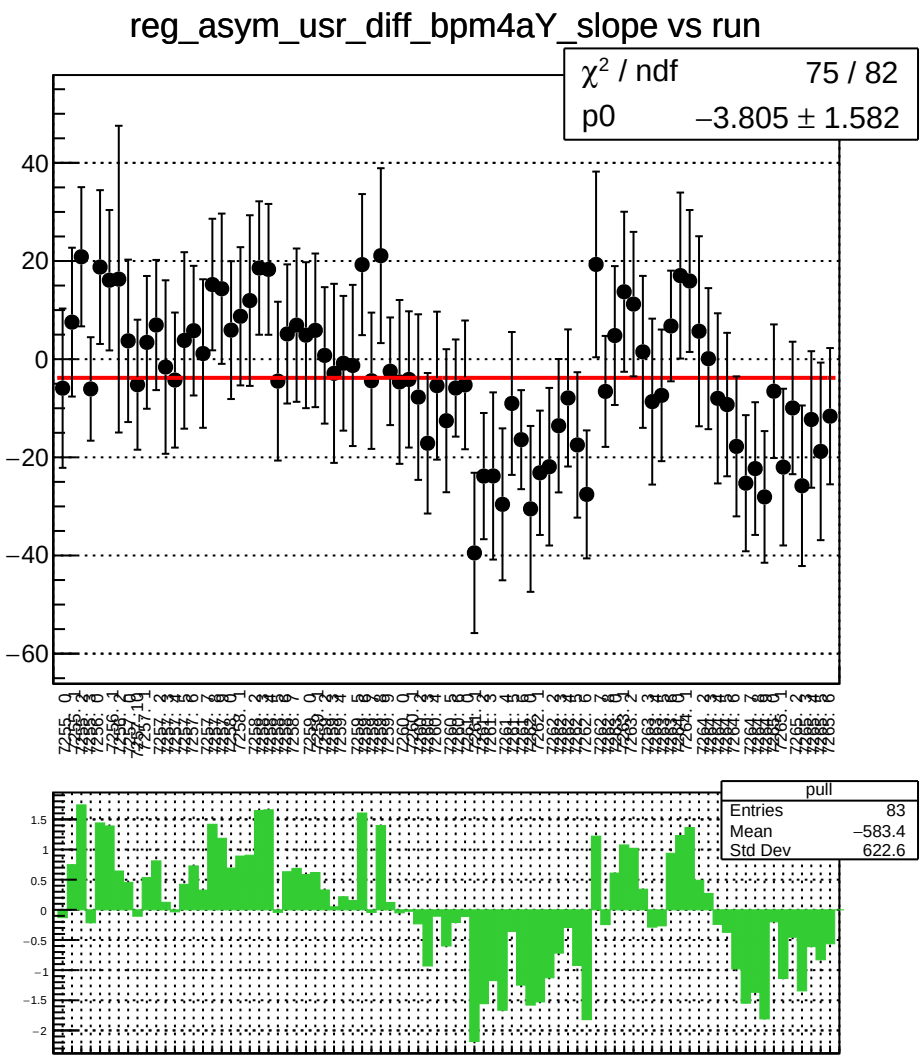

pull1D
Entries 83
Mean 0.00879
Std Dev 0.5737

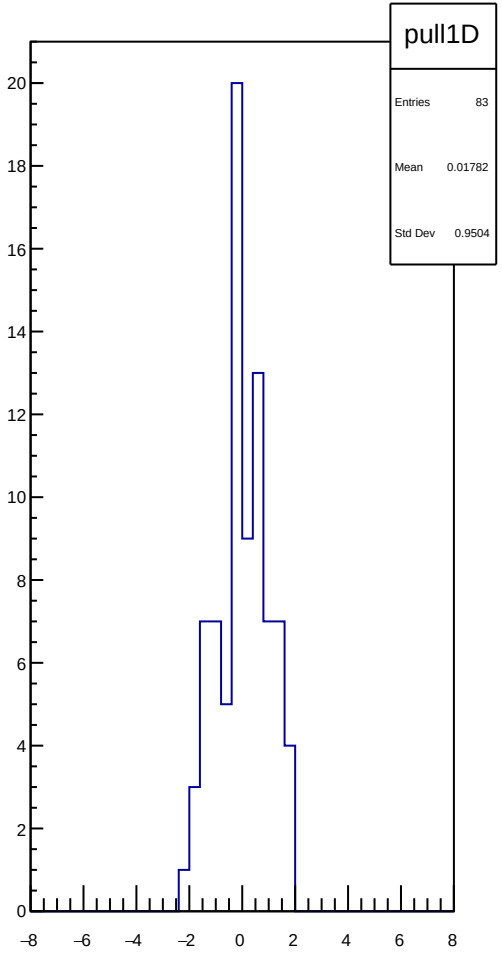

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 53.49 / 82
p0 −37.64 ± 0.06693
pull
Entries 83
Mean 605.7
Std Dev 571.6

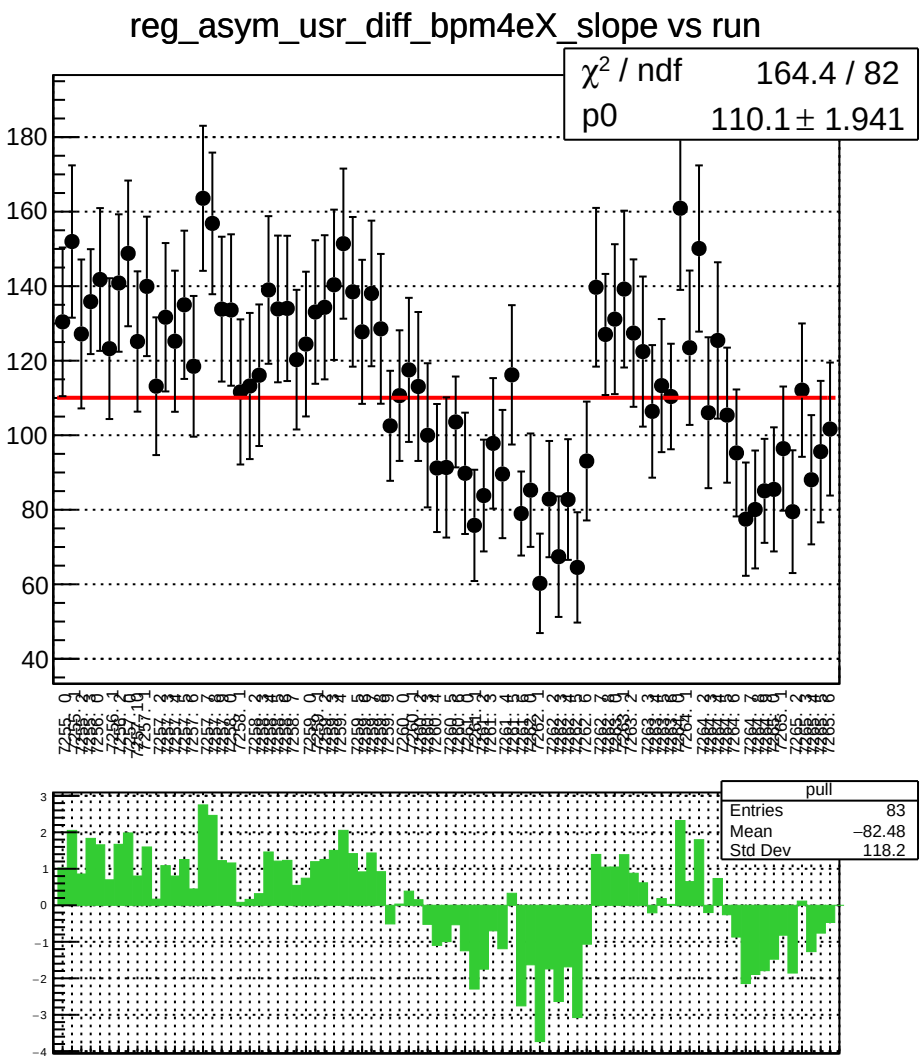

pull1D
Entries 83
Mean −0.006299
Std Dev 0.8028

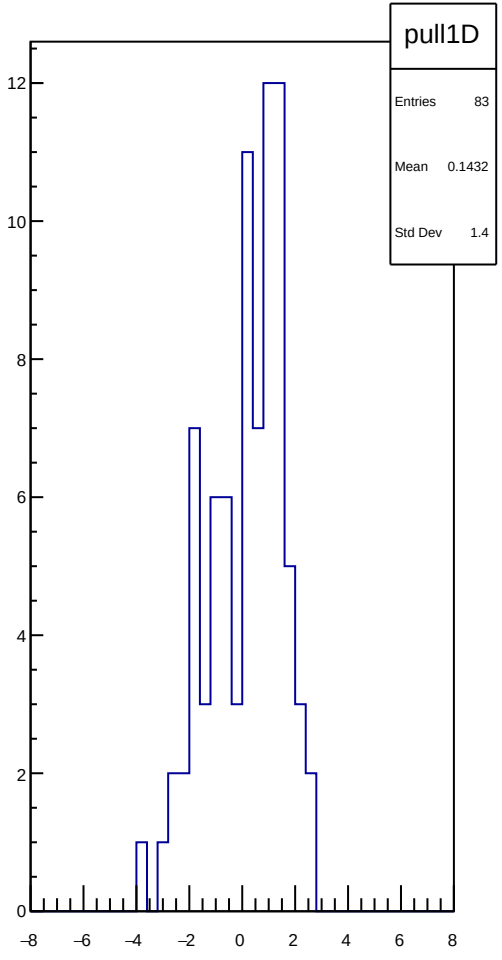

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 164.8 / 82
p0 −51.08 ± 1.789
pull
Entries 83
Mean −89.69
Std Dev 125.7

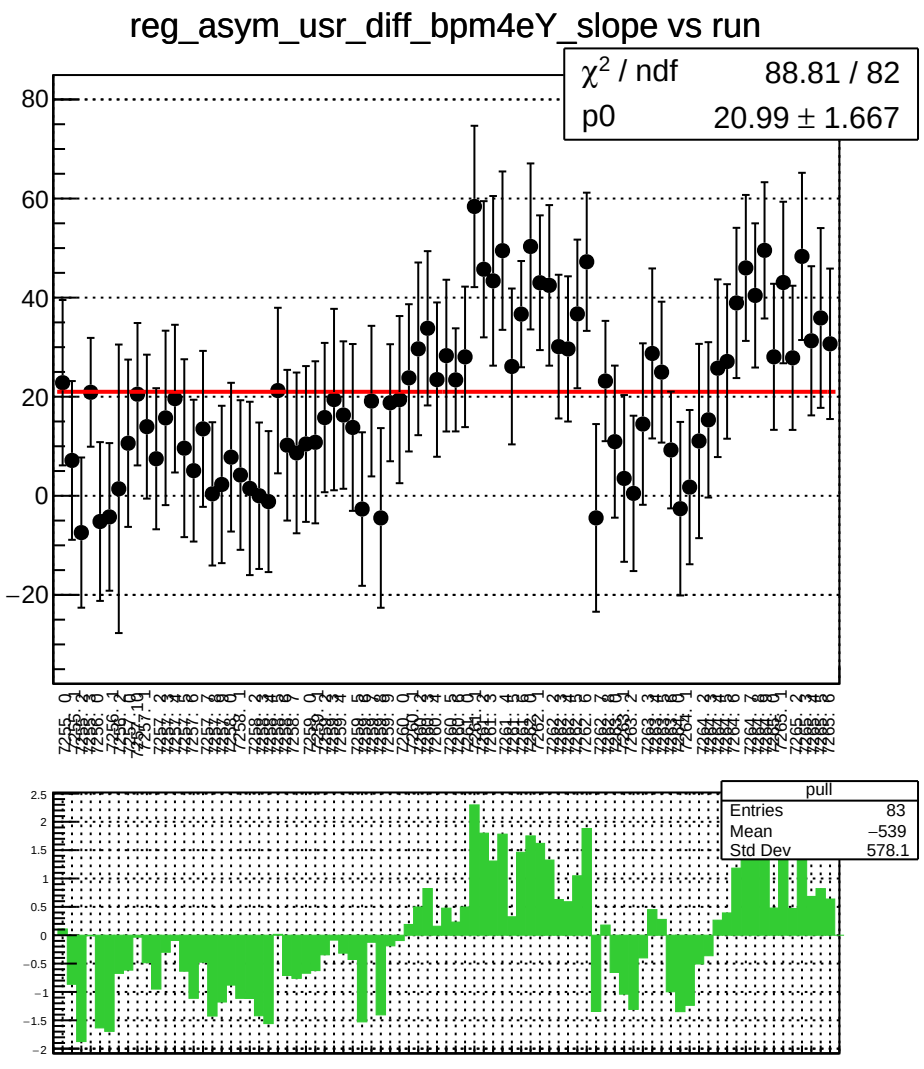

pull1D
Entries 83
Mean −0.1367
Std Dev 1.402

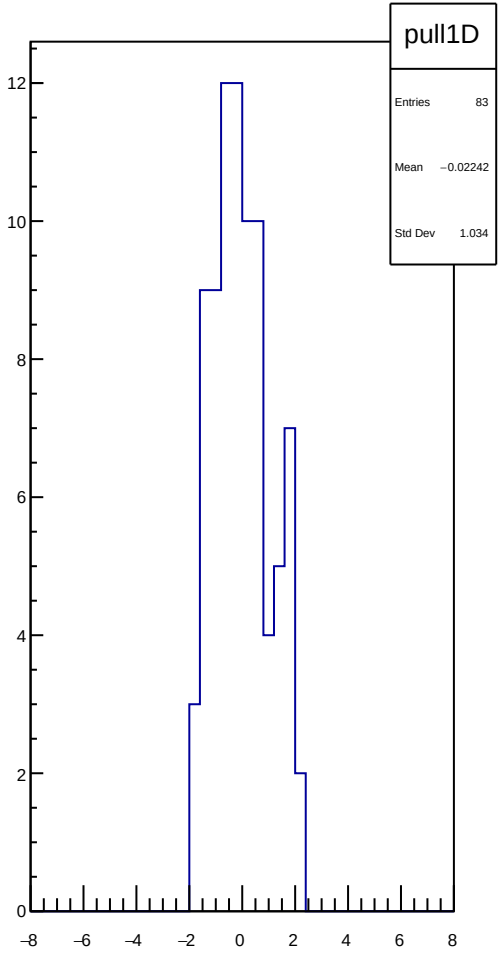

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 75 / 82
p0 −3.805 ± 1.582
pull
Entries 83
Mean −583.4
Std Dev 622.6

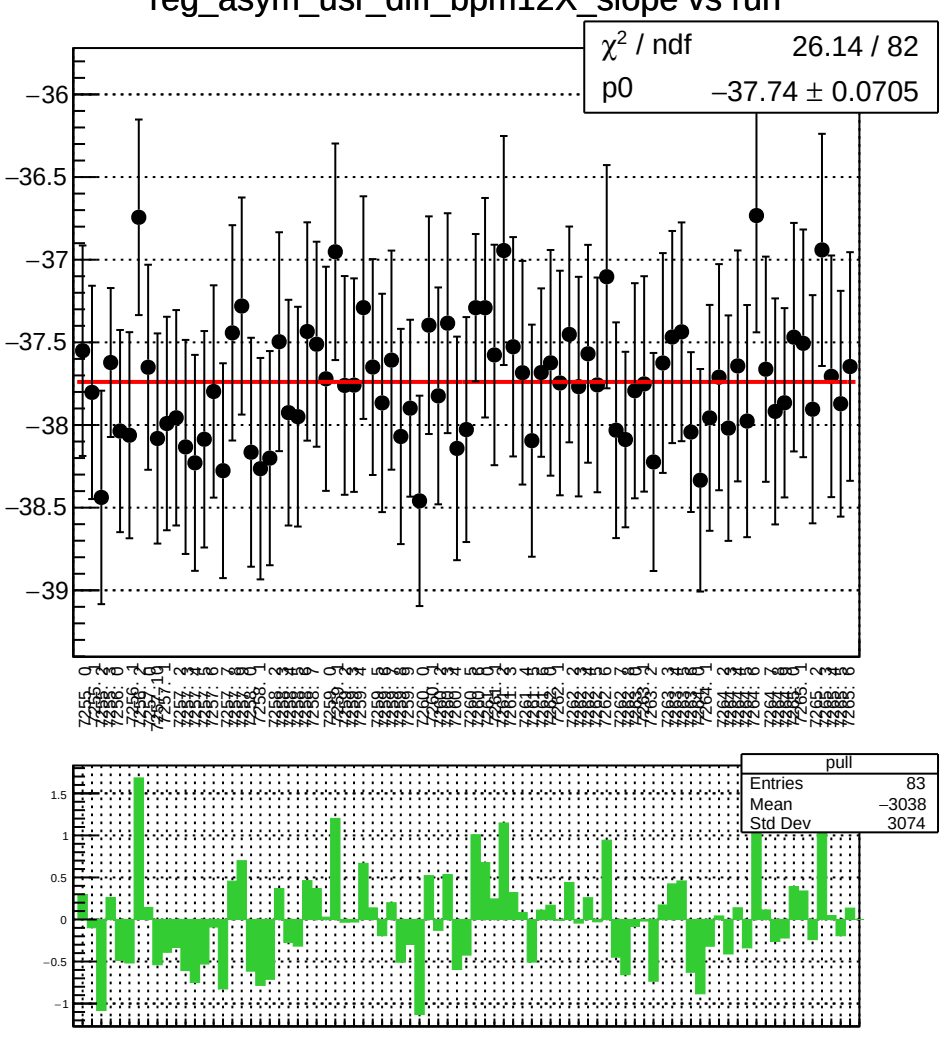

pull1D
Entries 83
Mean 0.01782
Std Dev 0.9504

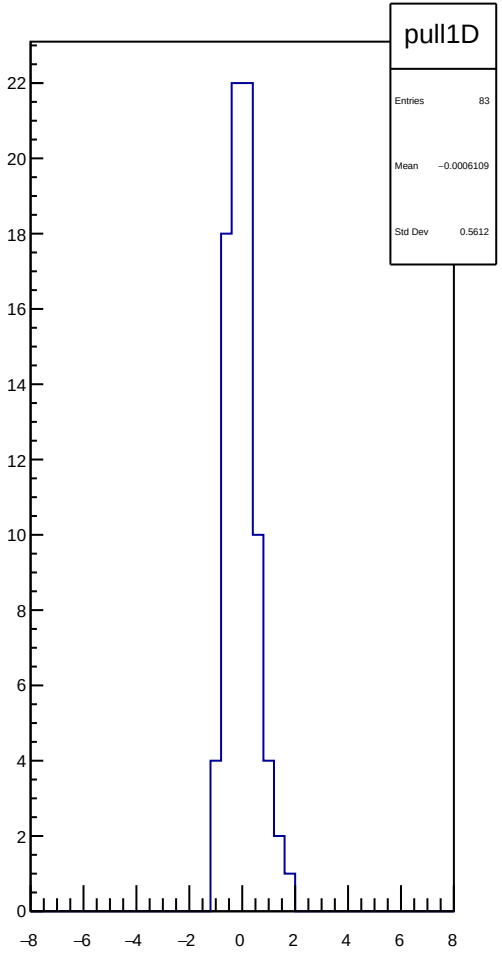

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 164.4 / 82
p0 110.1 ± 1.941
pull
Entries 83
Mean −82.48
Std Dev 118.2

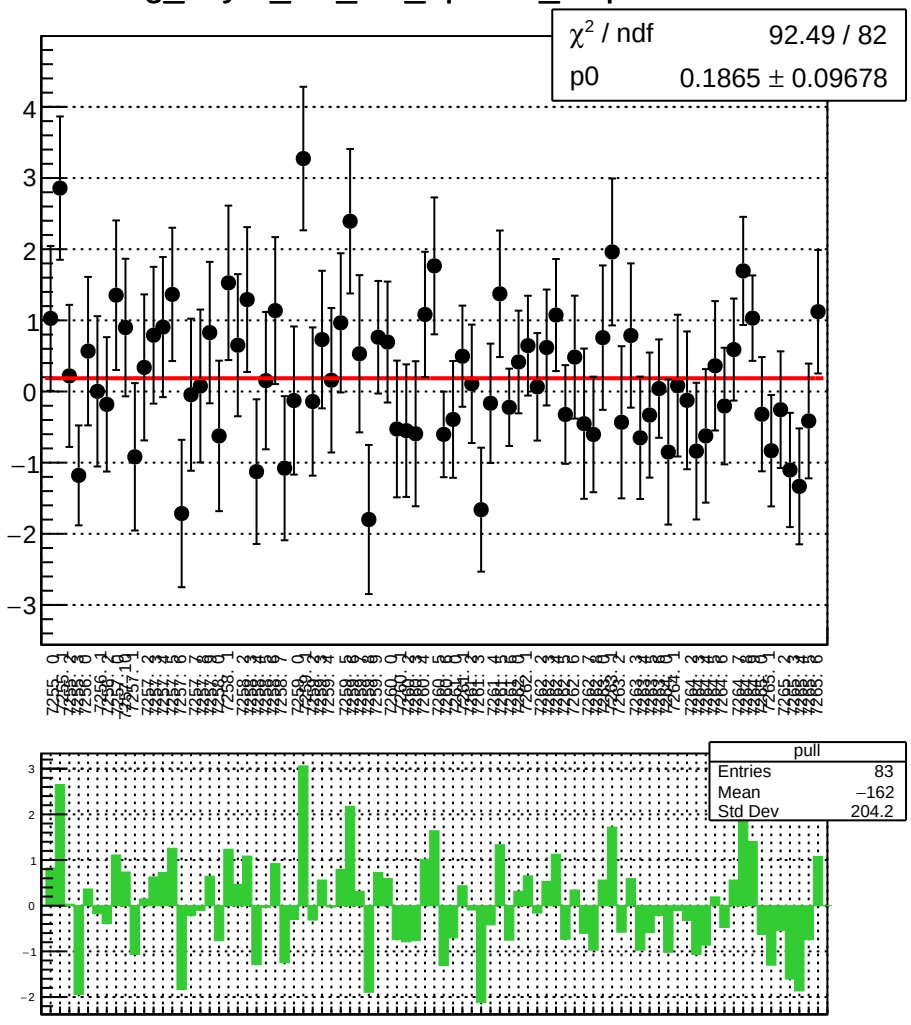

pull1D
Entries 83
Mean 0.1432
Std Dev 1.4

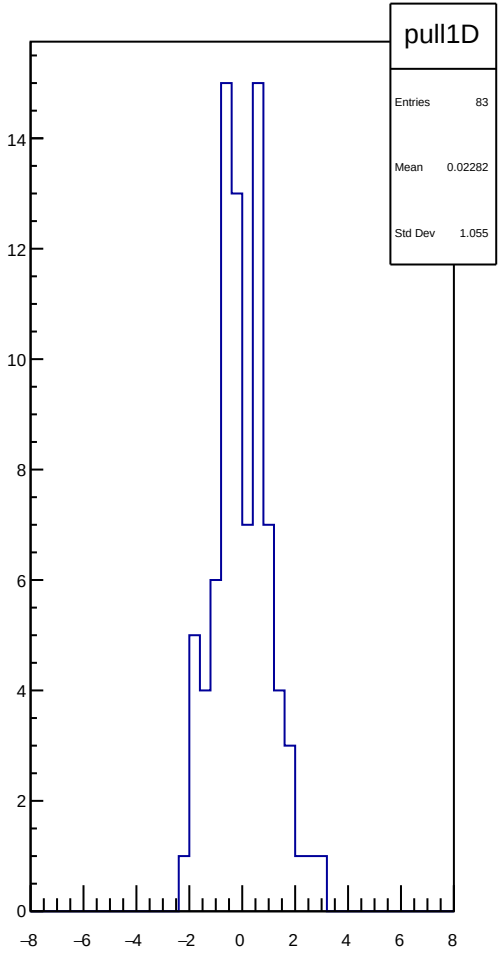

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 88.81 / 82
p0 20.99 ± 1.667
pull
Entries 83
Mean −539
Std Dev 578.1

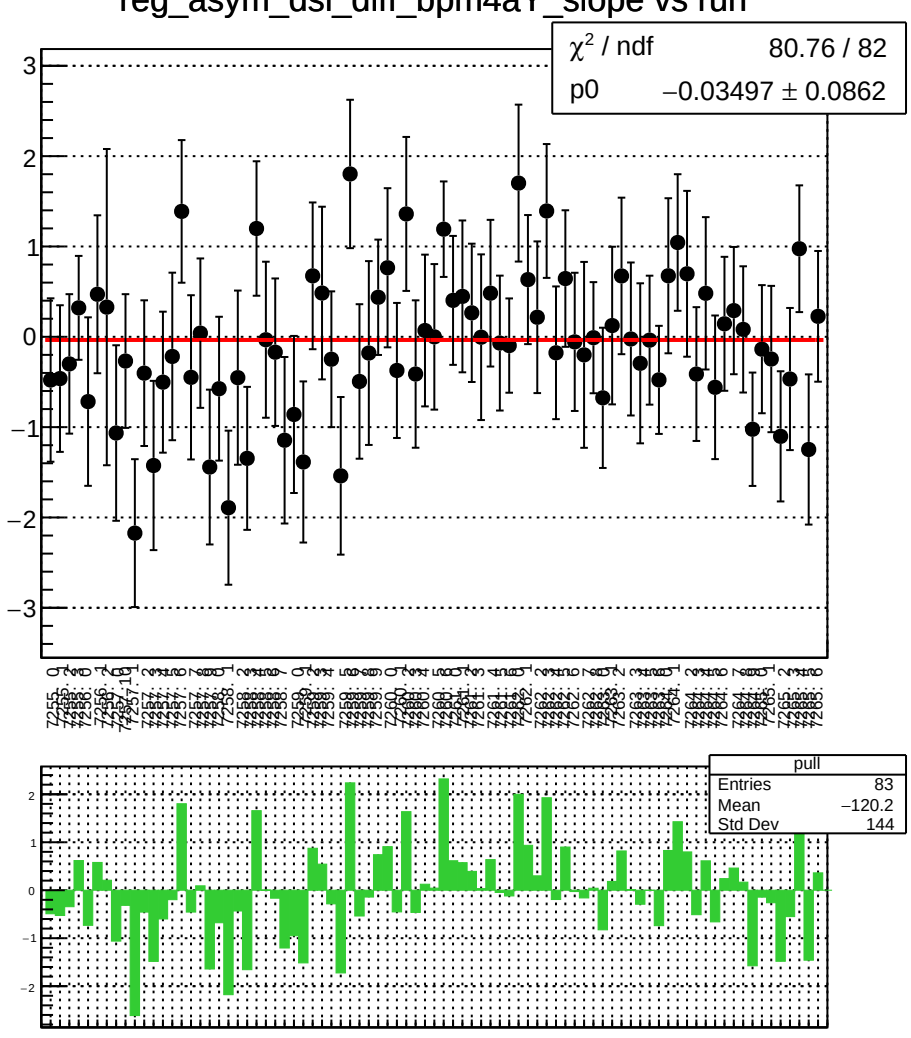

pull1D
Entries 83
Mean −0.02242
Std Dev 1.034

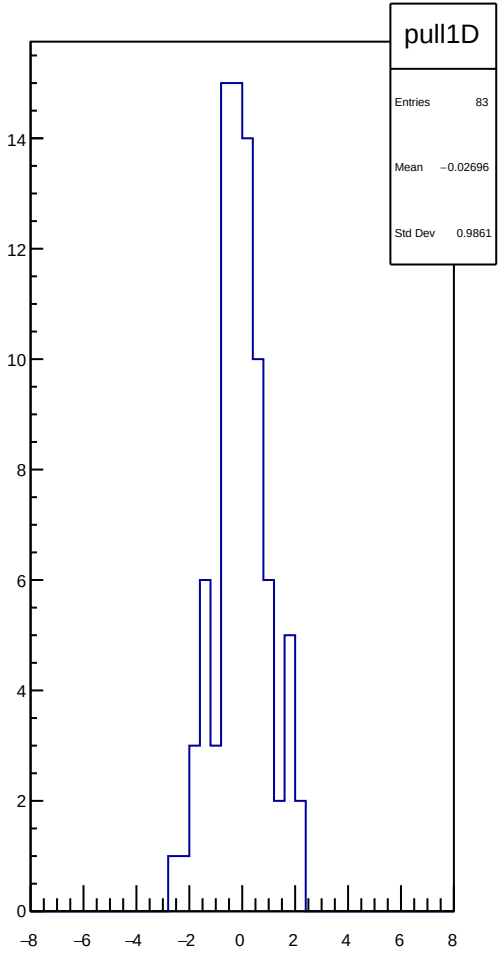

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 26.14 / 82
p0 −37.74 ± 0.0705
pull
Entries 83
Mean −3038
Std Dev 3074

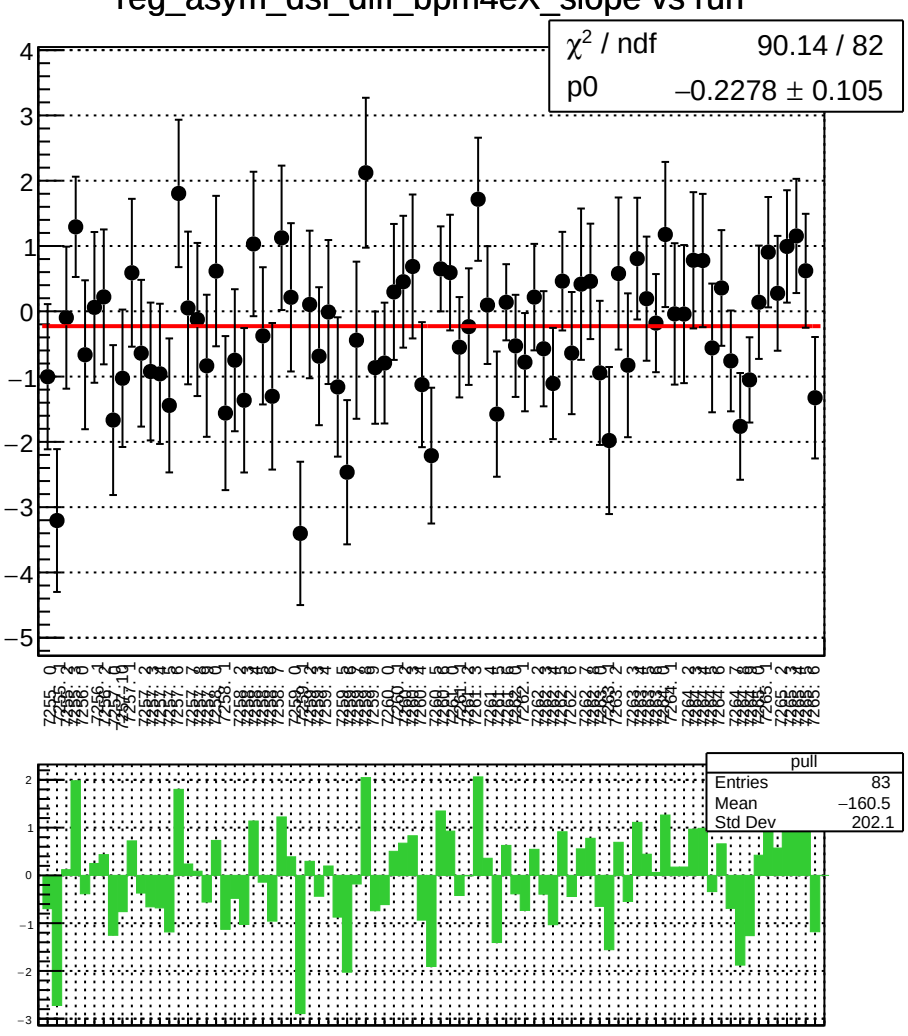

pull1D
Entries 83
Mean −0.0006109
Std Dev 0.5612

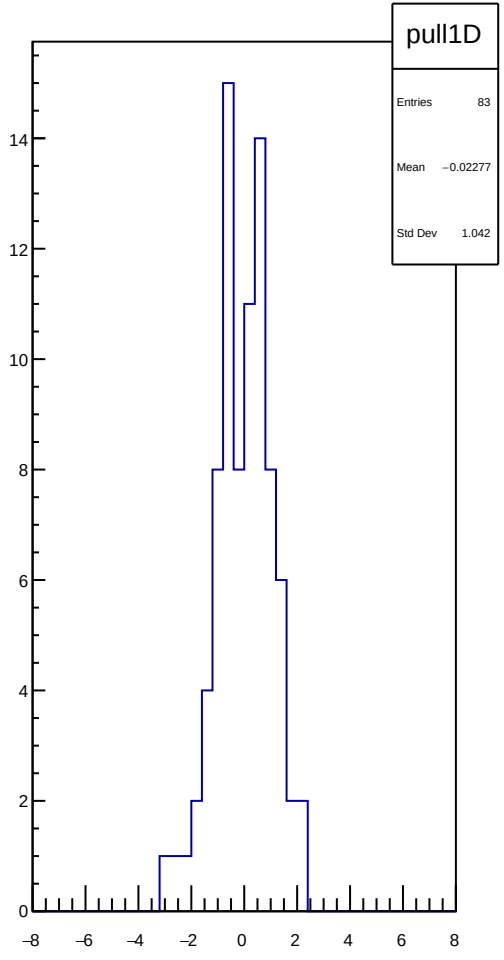

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 92.49 / 82
p0 0.1865 ± 0.09678
pull
Entries 83
Mean −162
Std Dev 204.2

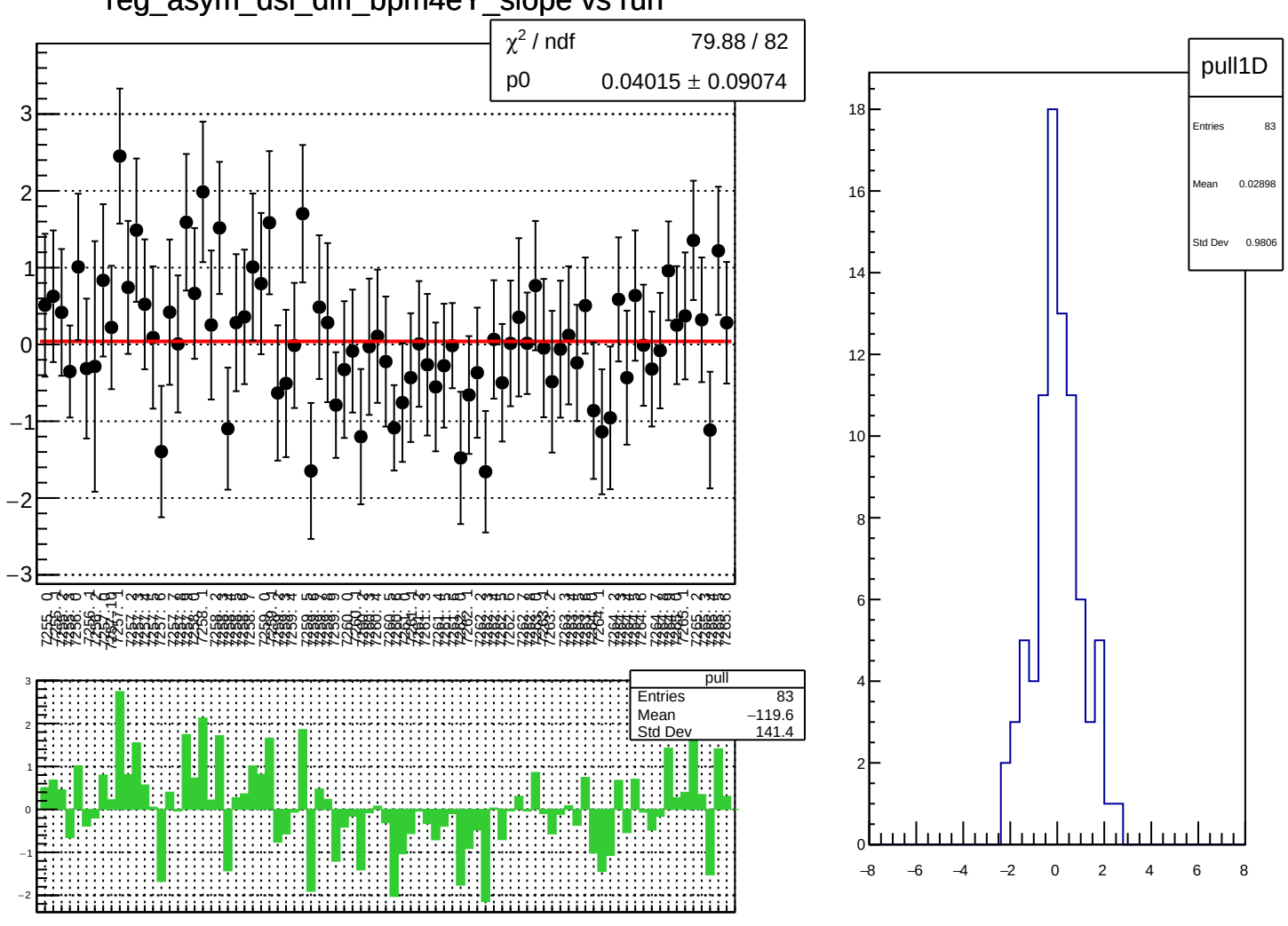

pull1D
Entries 83
Mean 0.02282
Std Dev 1.055

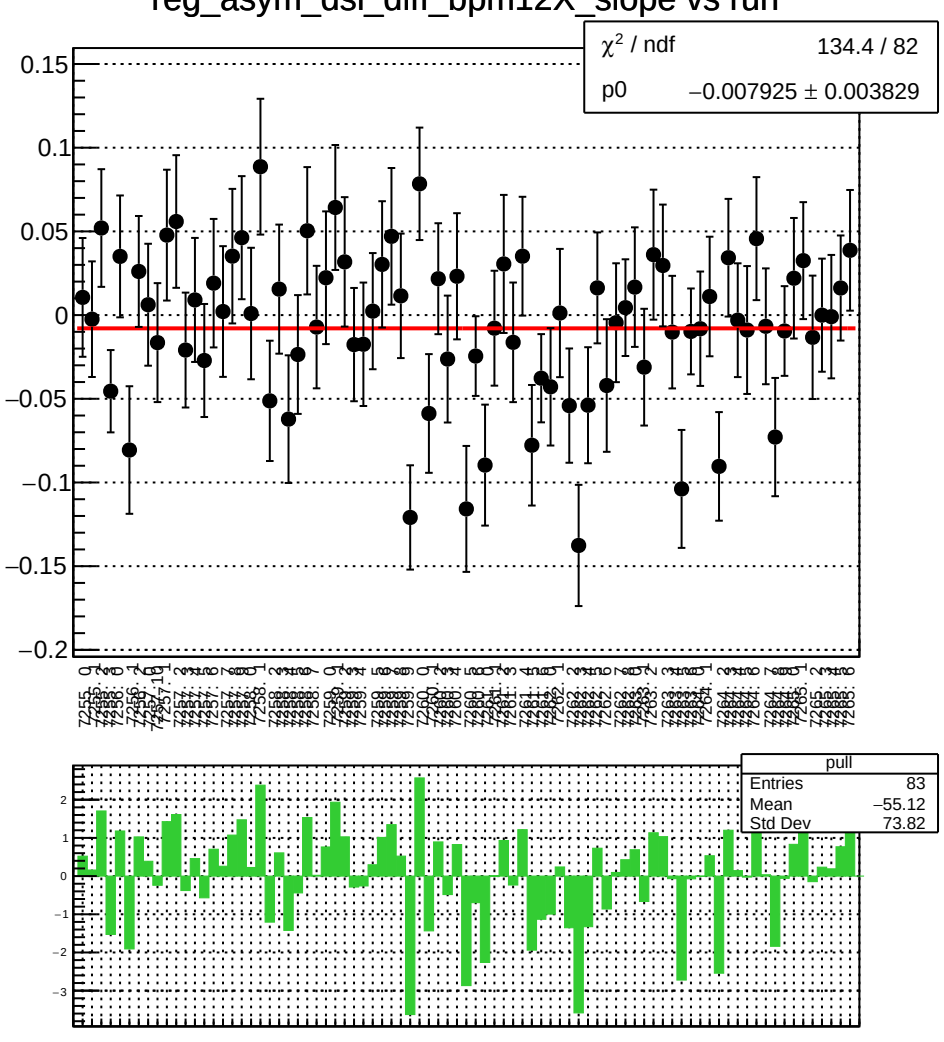

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 80.76 / 82
p0 −0.03497 ± 0.0862
pull
Entries 83
Mean −120.2
Std Dev 144

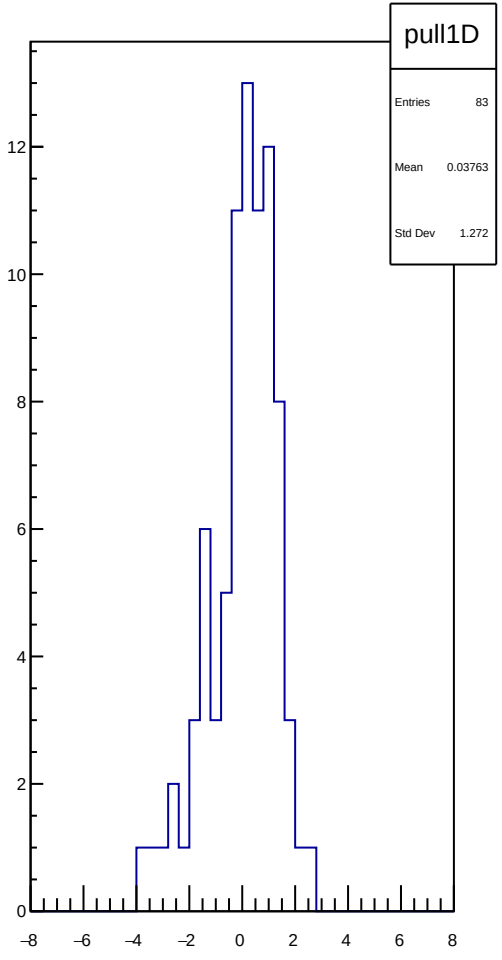

pull1D
Entries 83
Mean −0.02696
Std Dev 0.9861

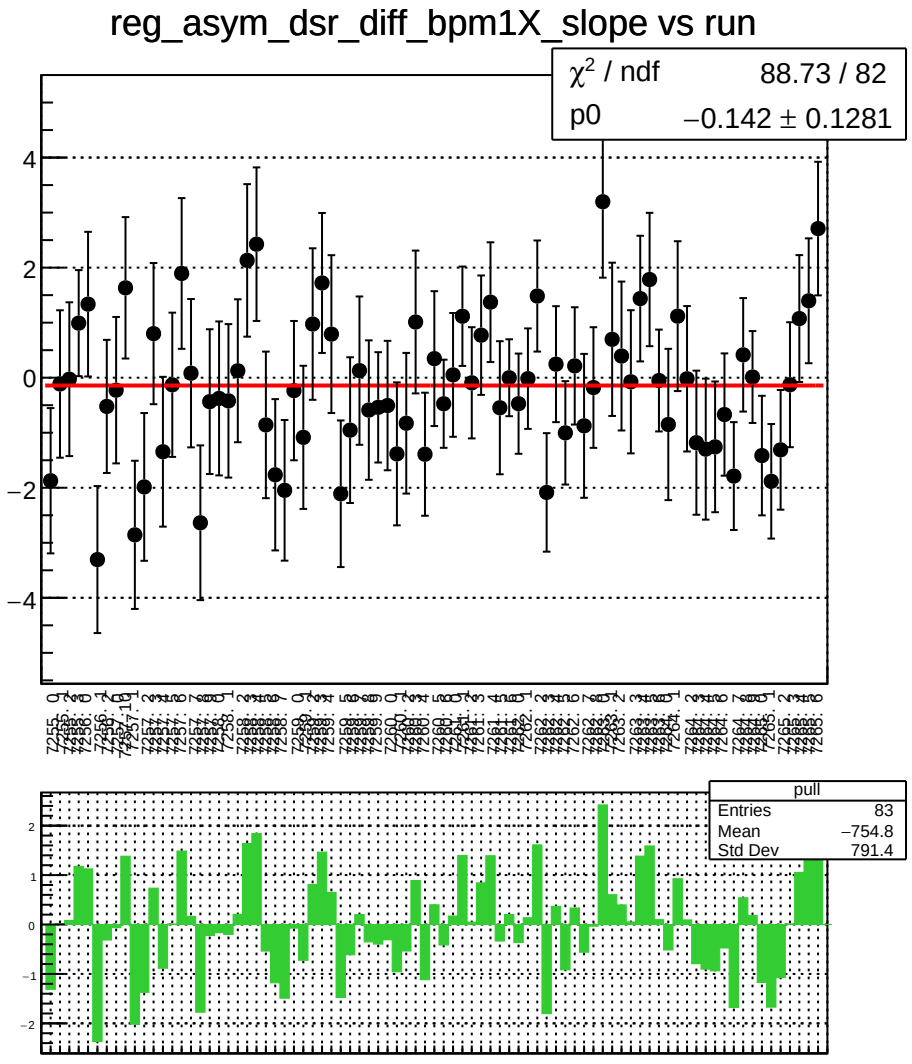

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 90.14 / 82
p0 −0.2278 ± 0.105
pull
Entries 83
Mean −160.5
Std Dev 202.1

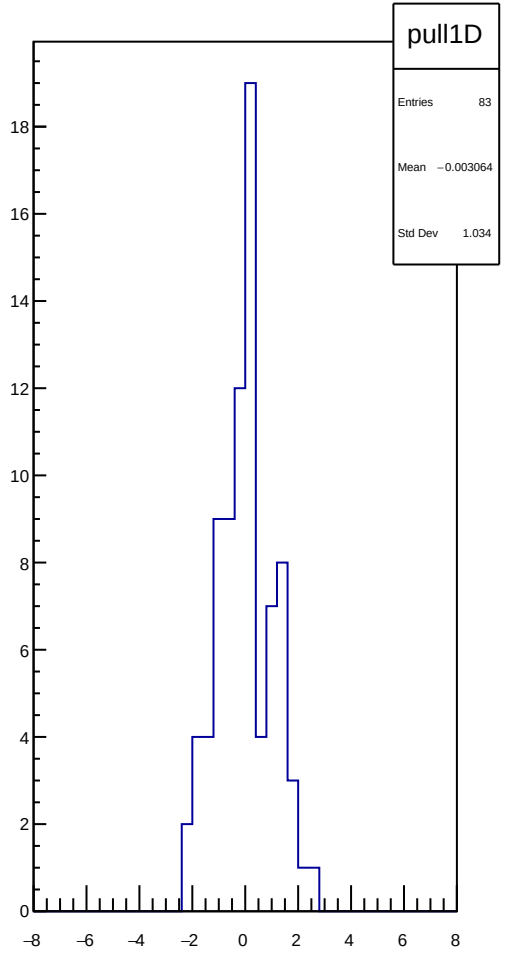

pull1D
Entries 83
Mean −0.02277
Std Dev 1.042

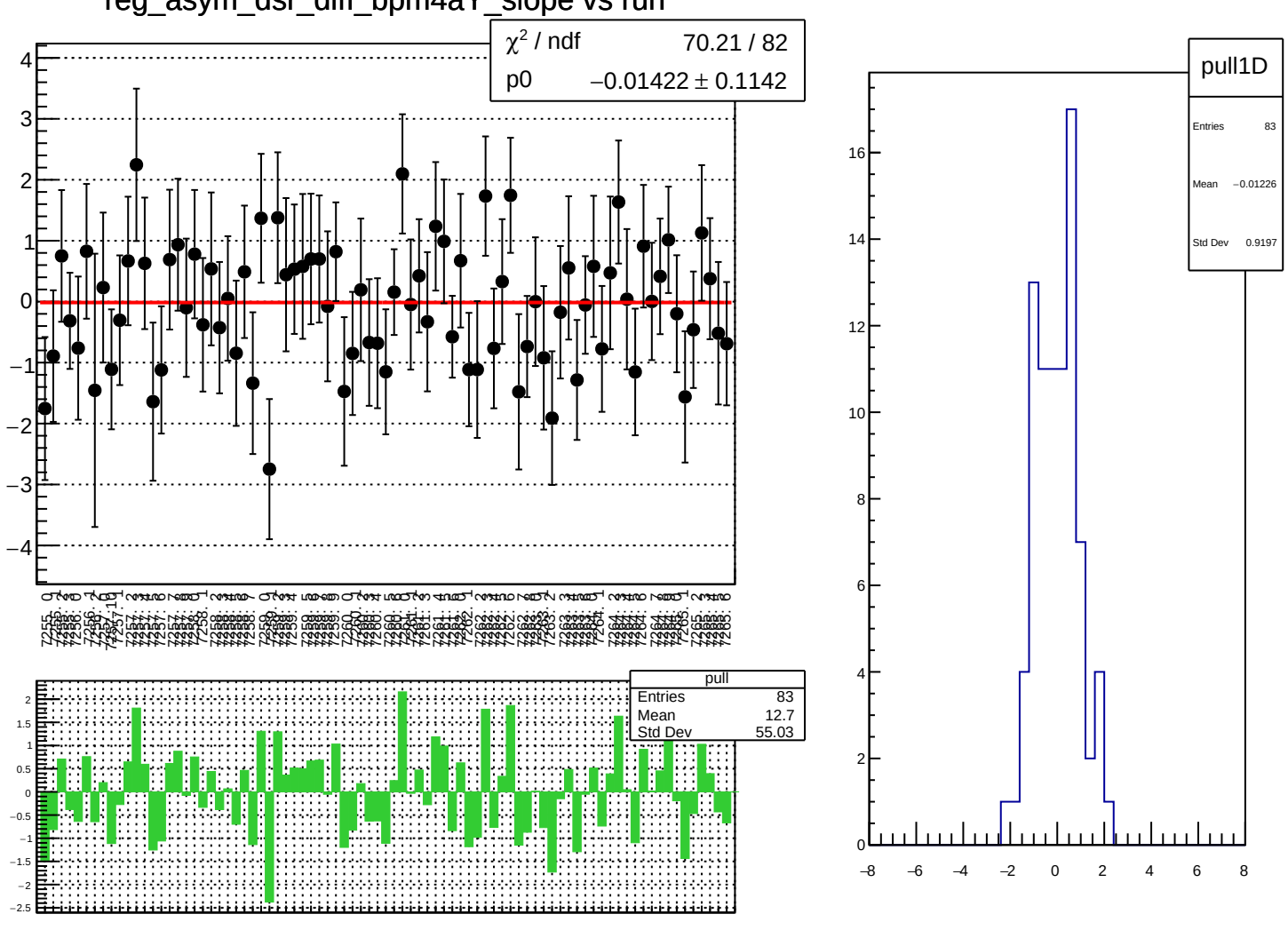

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 79.88 / 82
p0 0.04015 ± 0.09074
pull
Entries 83
Mean −119.6
Std Dev 141.4
pull1D
Entries 83
Mean 0.02898
Std Dev 0.9806

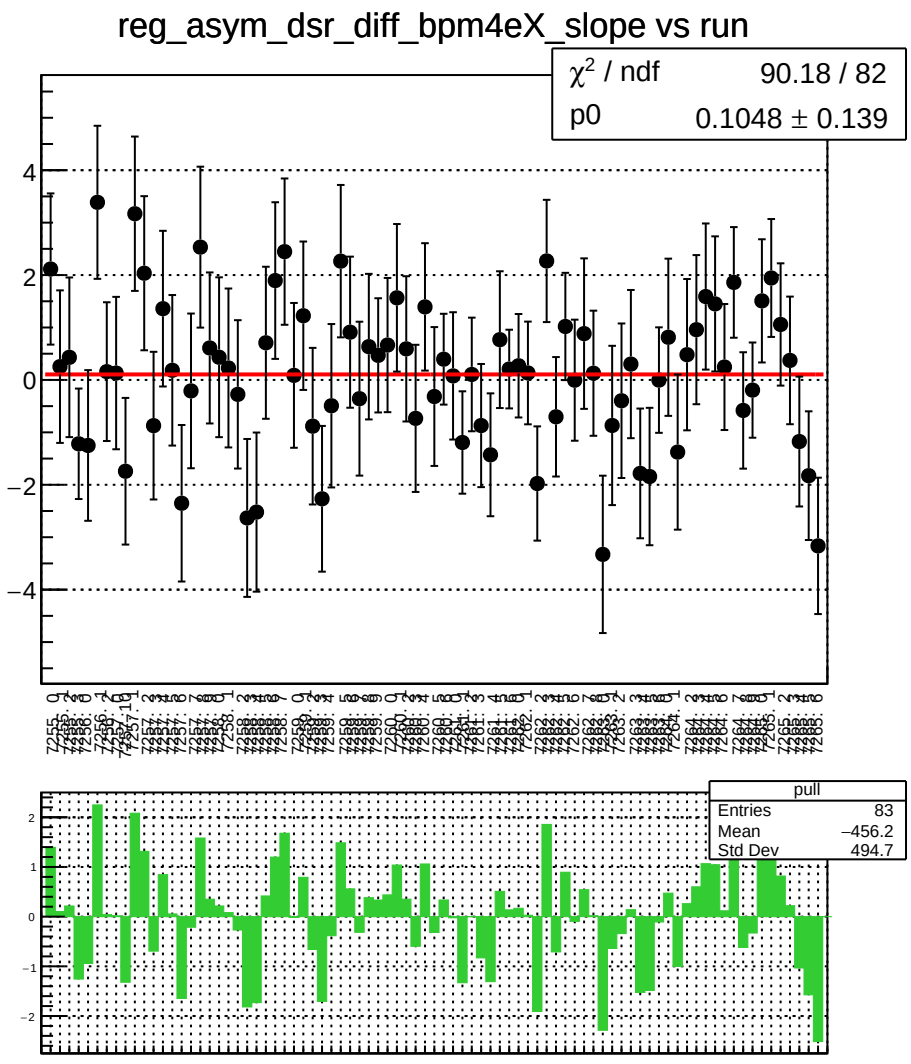

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 134.4 / 82
p0 −0.007925 ± 0.003829
pull
Entries 83
Mean −55.12
Std Dev 73.82

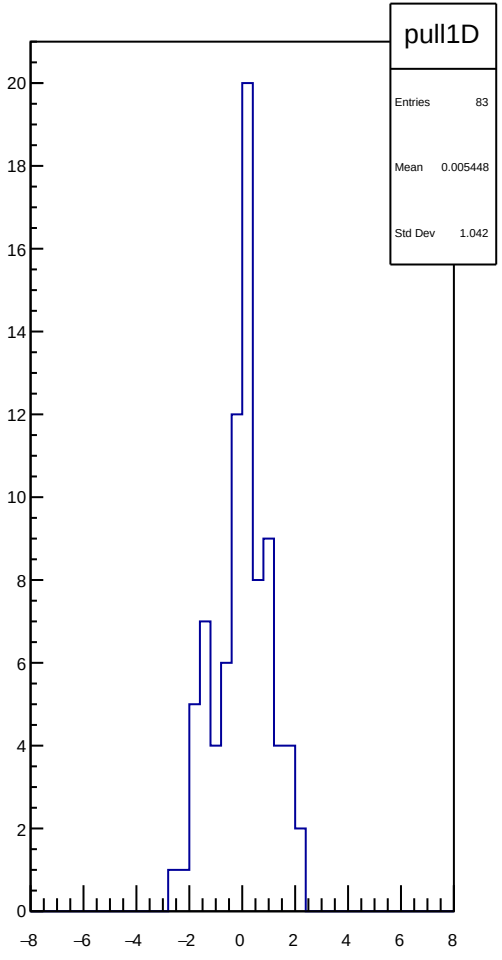

pull1D
Entries 83
Mean 0.03763
Std Dev 1.272

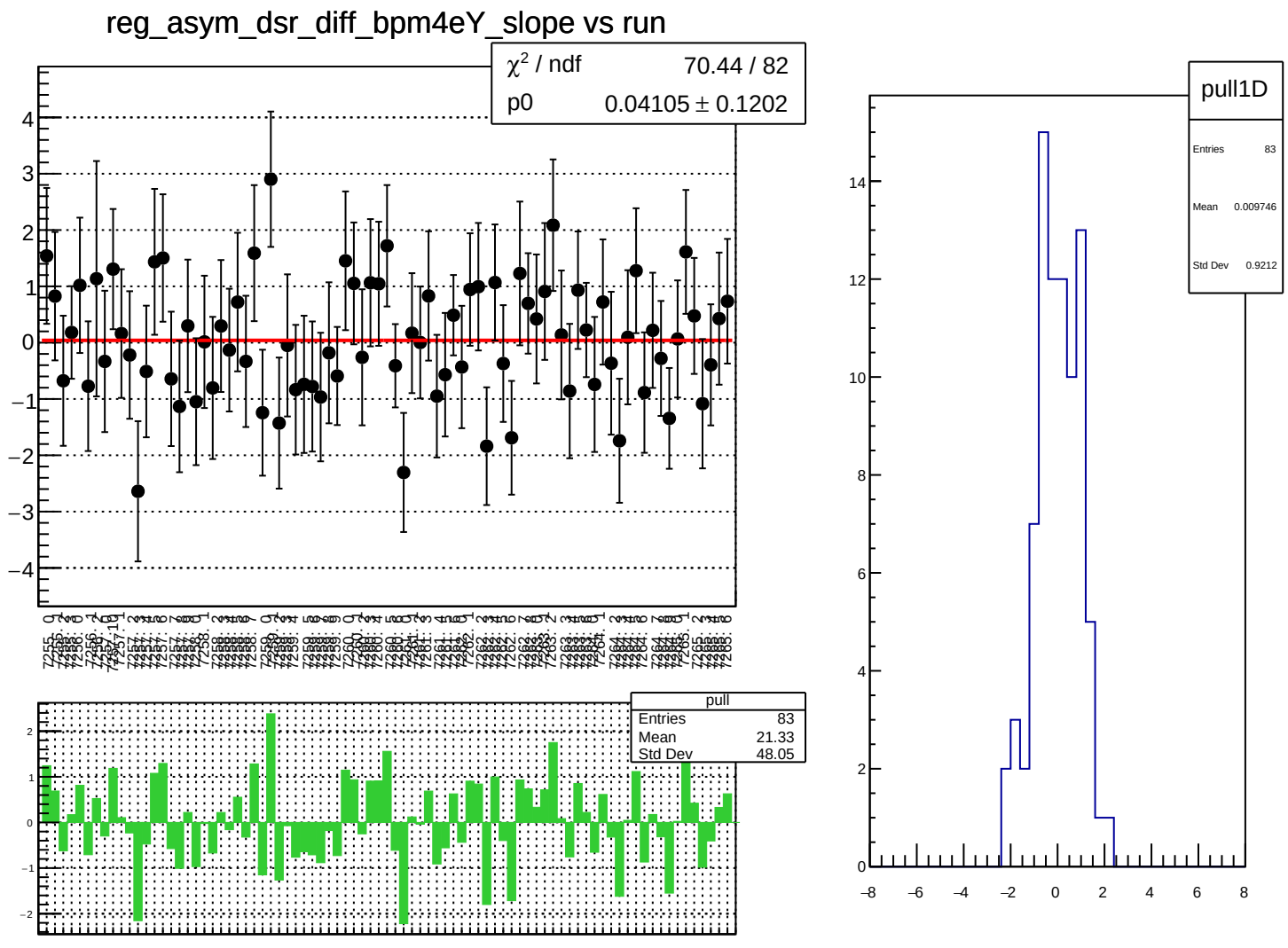

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 88.73 / 82
p0 −0.142 ± 0.1281
pull
Entries 83
Mean −754.8
Std Dev 791.4

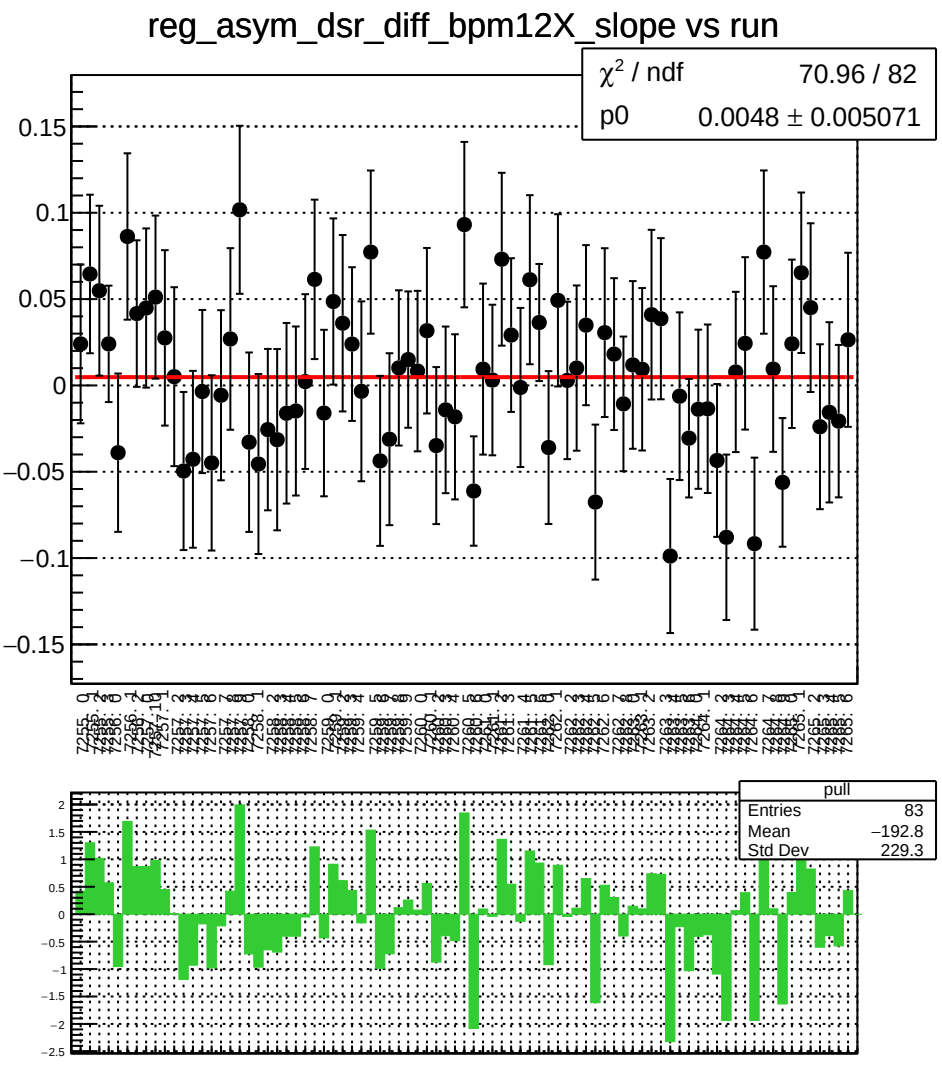

pull1D
Entries 83
Mean −0.003064
Std Dev 1.034

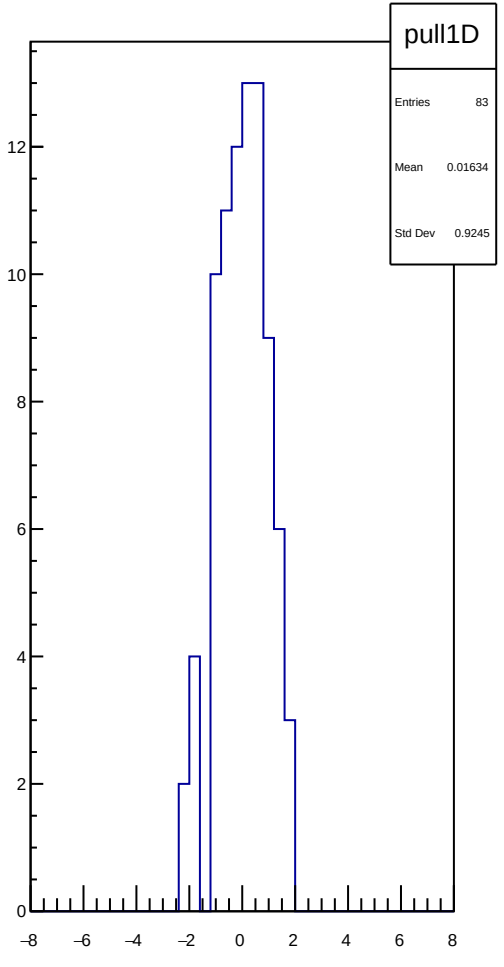

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 70.21 / 82
p0 −0.01422 ± 0.1142
pull
Entries 83
Mean 12.7
Std Dev 55.03
pull1D
Entries 83
Mean −0.01226
Std Dev 0.9197

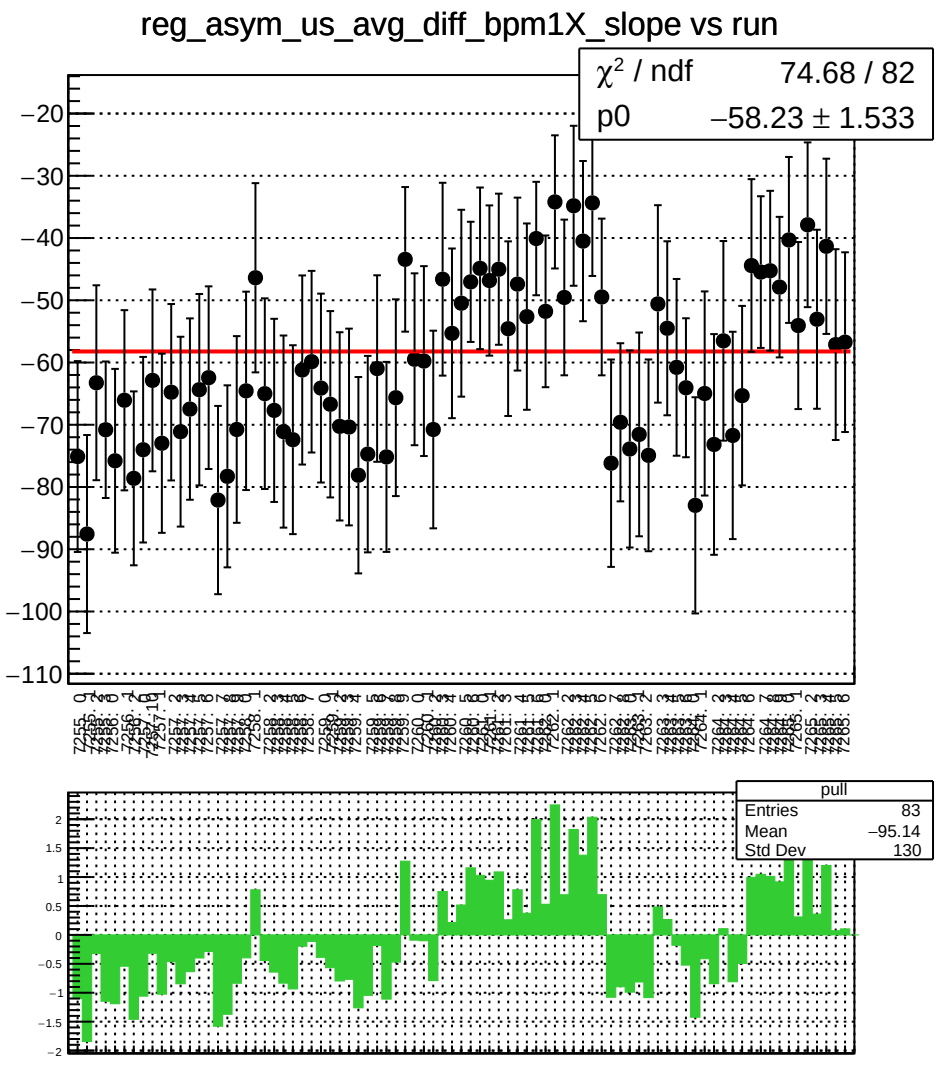

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 90.18 / 82
p0 0.1048 ± 0.139
pull
Entries 83
Mean −456.2
Std Dev 494.7

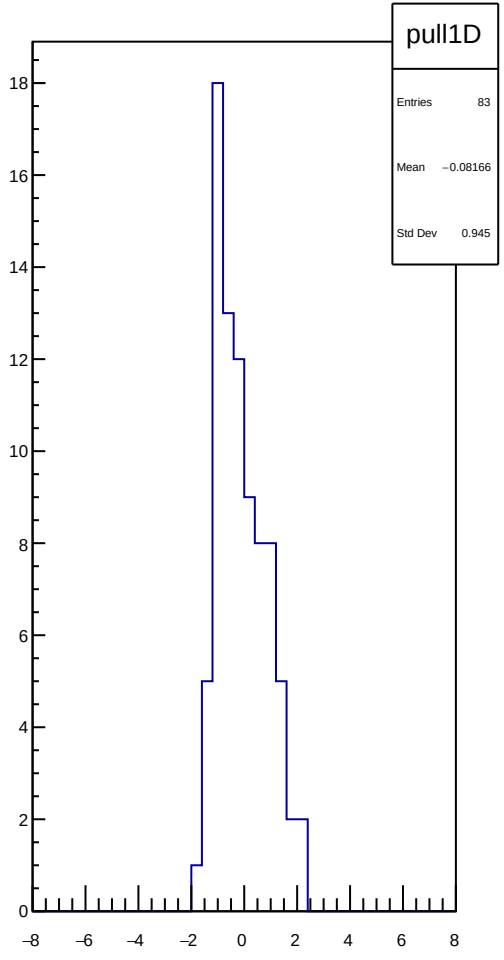

pull1D
Entries 83
Mean 0.005448
Std Dev 1.042

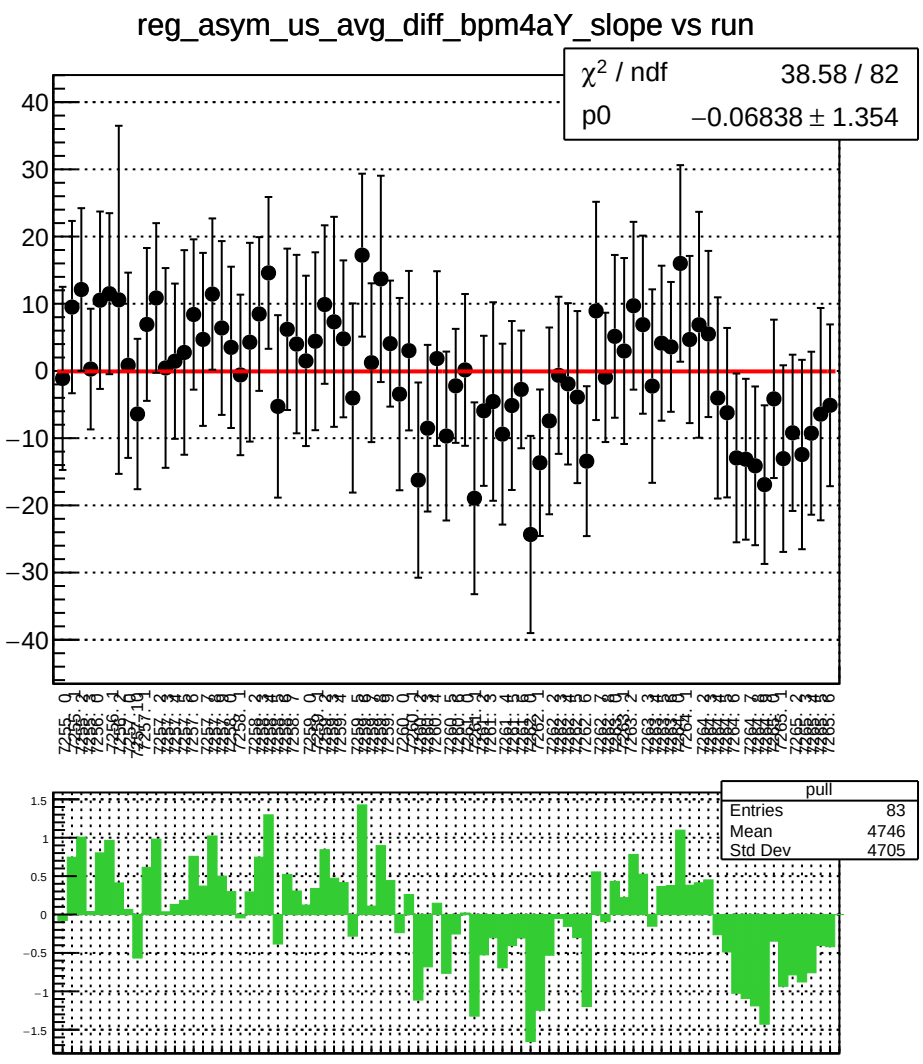

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 70.44 / 82
p0 0.04105 ± 0.1202
pull
Entries 83
Mean 21.33
Std Dev 48.05
pull1D
Entries 83
Mean 0.009746
Std Dev 0.9212

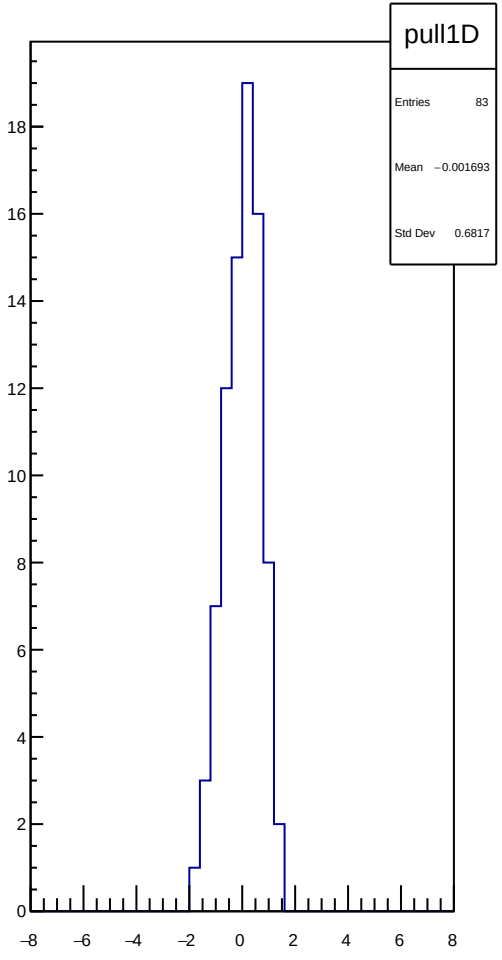

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 70.96 / 82
p0 0.0048 ± 0.005071
pull
Entries 83
Mean −192.8
Std Dev 229.3

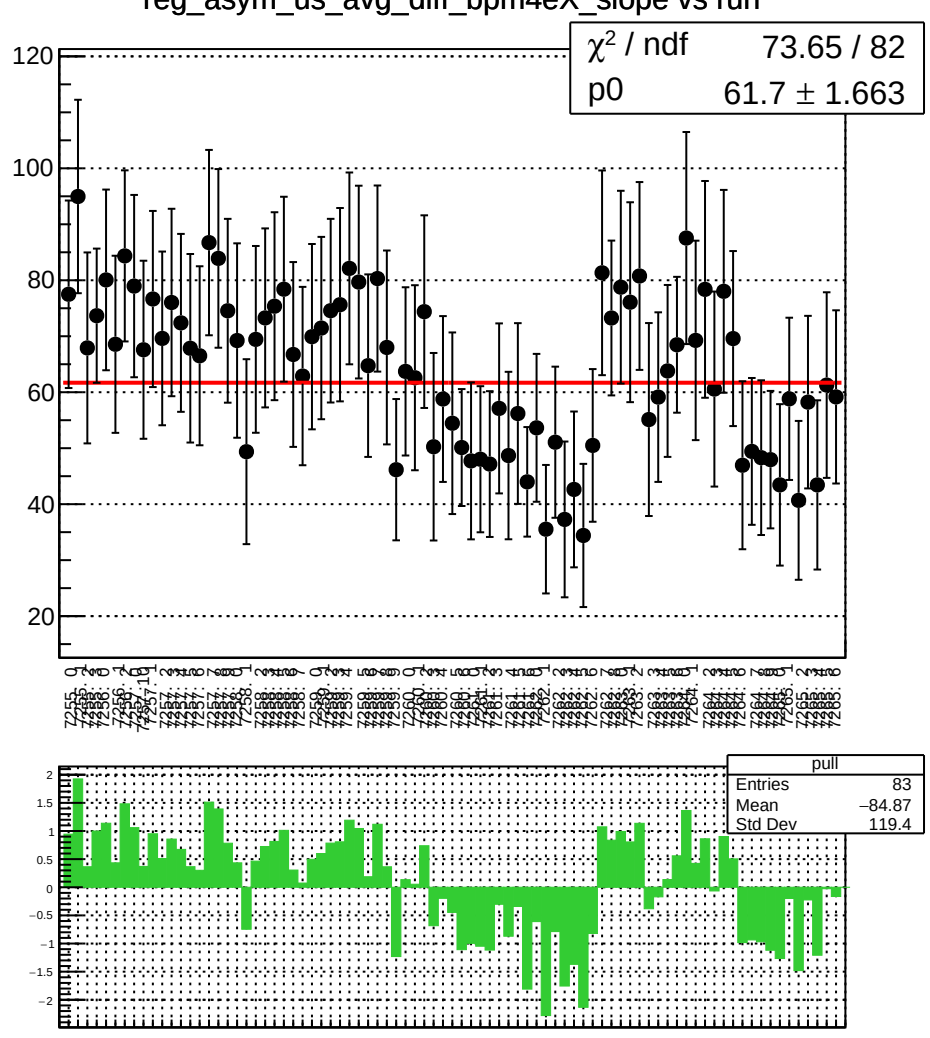

pull1D
Entries 83
Mean 0.01634
Std Dev 0.9245

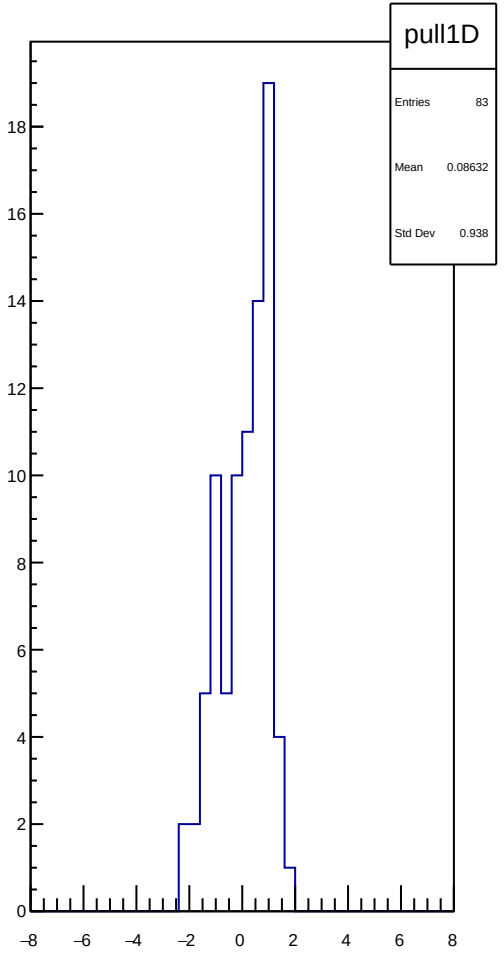

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 74.68 / 82
p0 −58.23 ± 1.533
pull
Entries 83
Mean −95.14
Std Dev 130

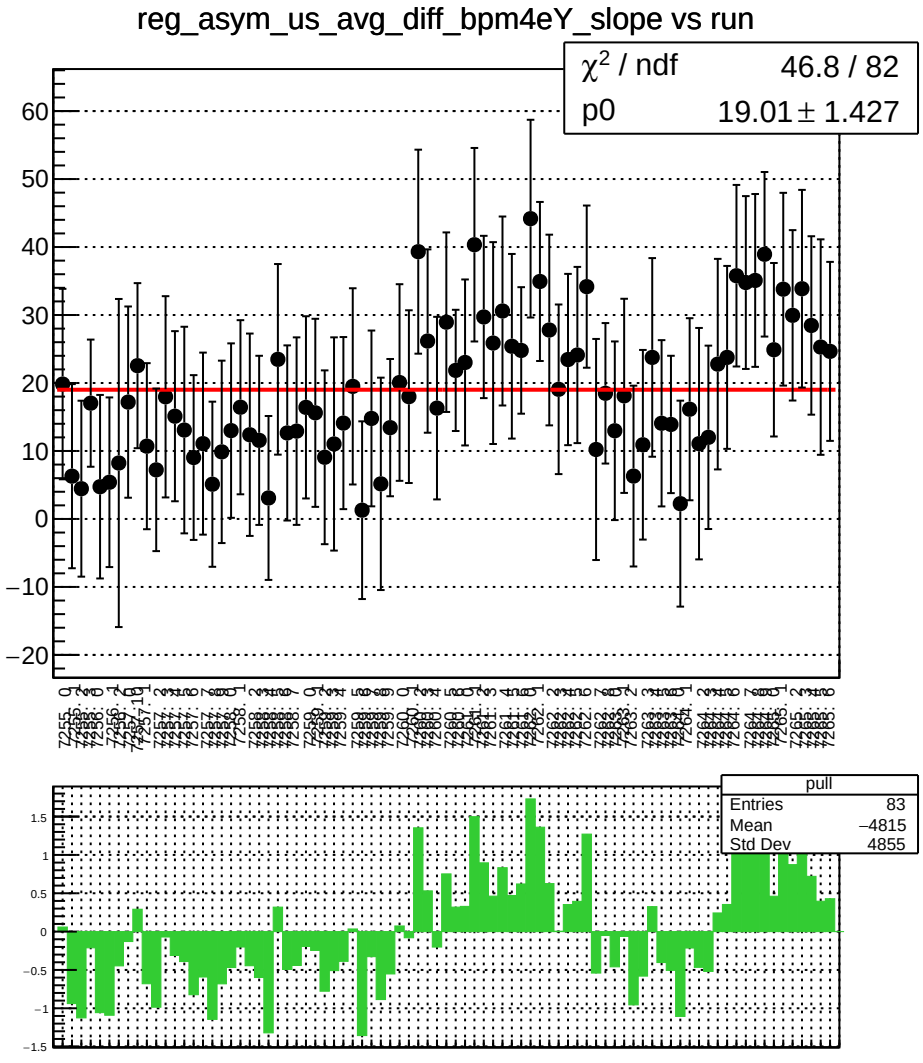

pull1D
Entries 83
Mean −0.08166
Std Dev 0.945

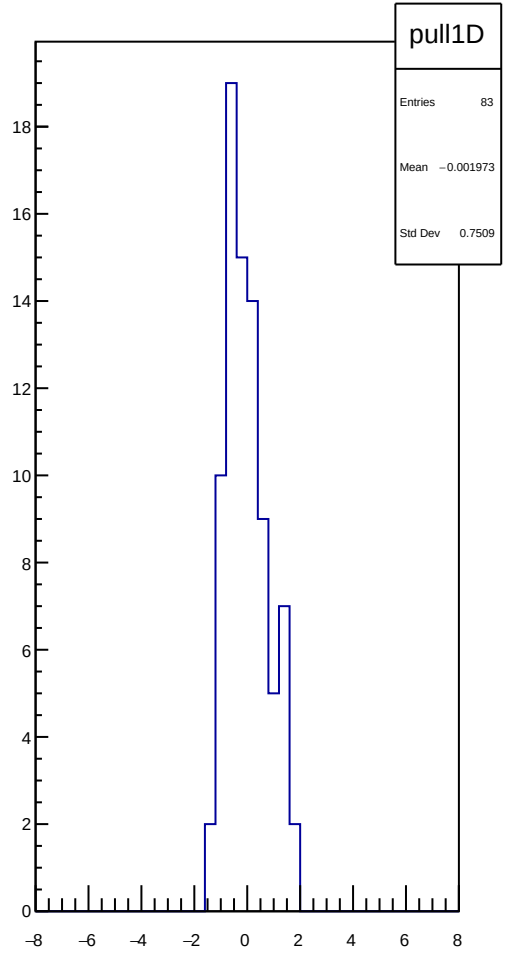

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.58 / 82
p0 −0.06838 ± 1.354
pull
Entries 83
Mean 4746
Std Dev 4705

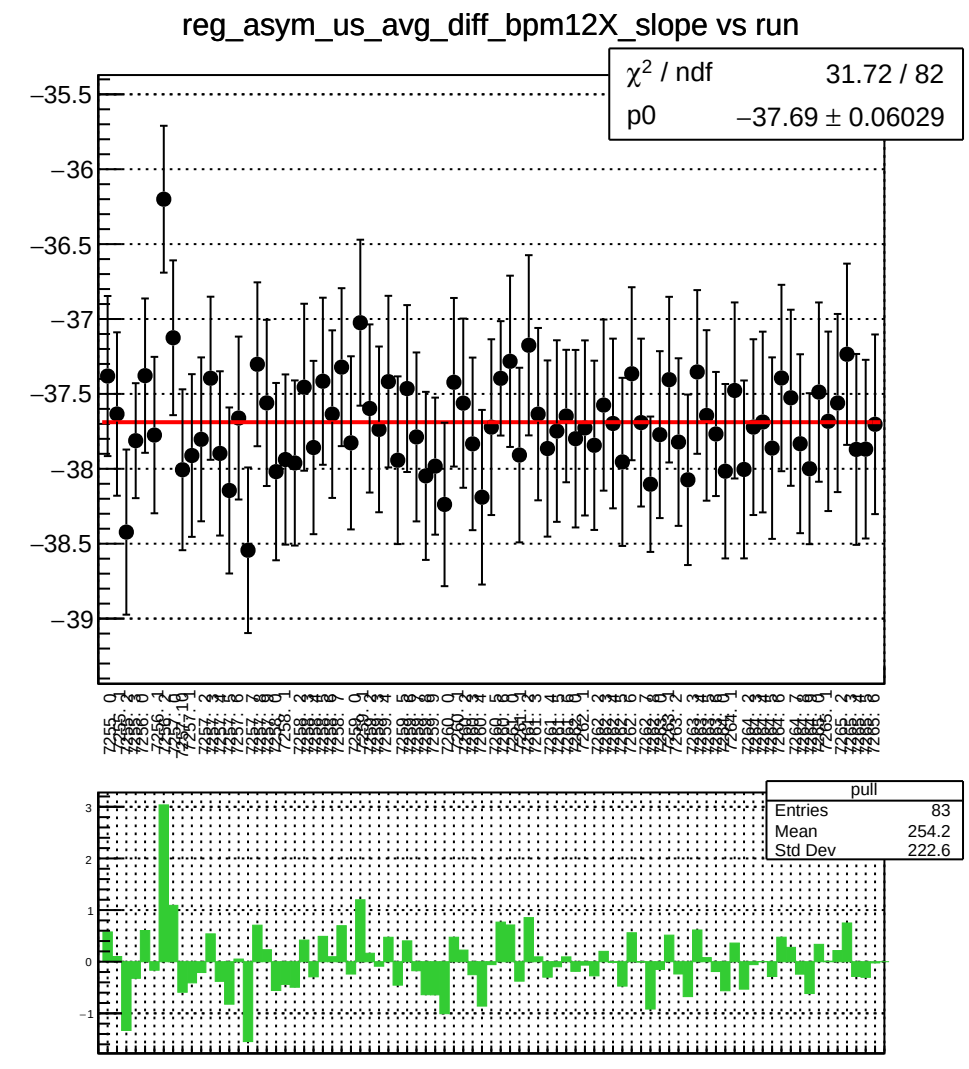

pull1D
Entries 83
Mean −0.001693
Std Dev 0.6817

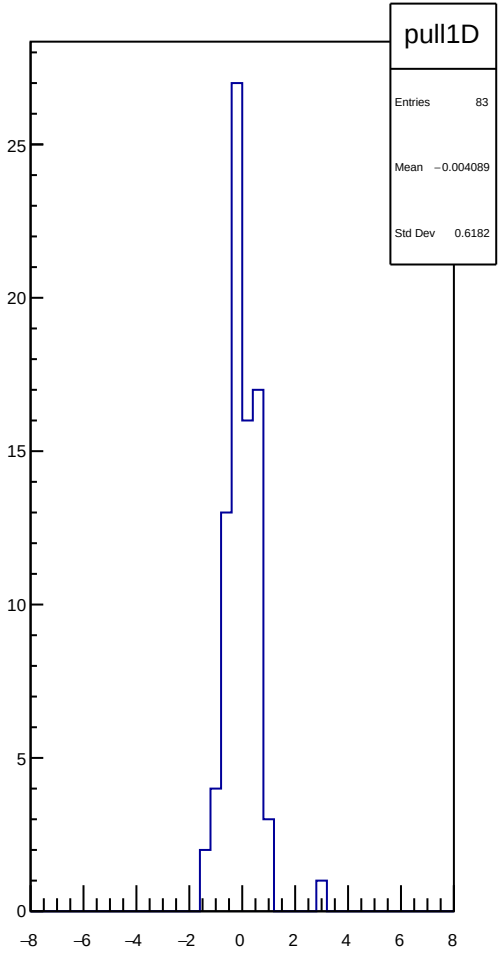

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.65 / 82
p0 61.7 ± 1.663
pull
Entries 83
Mean −84.87
Std Dev 119.4

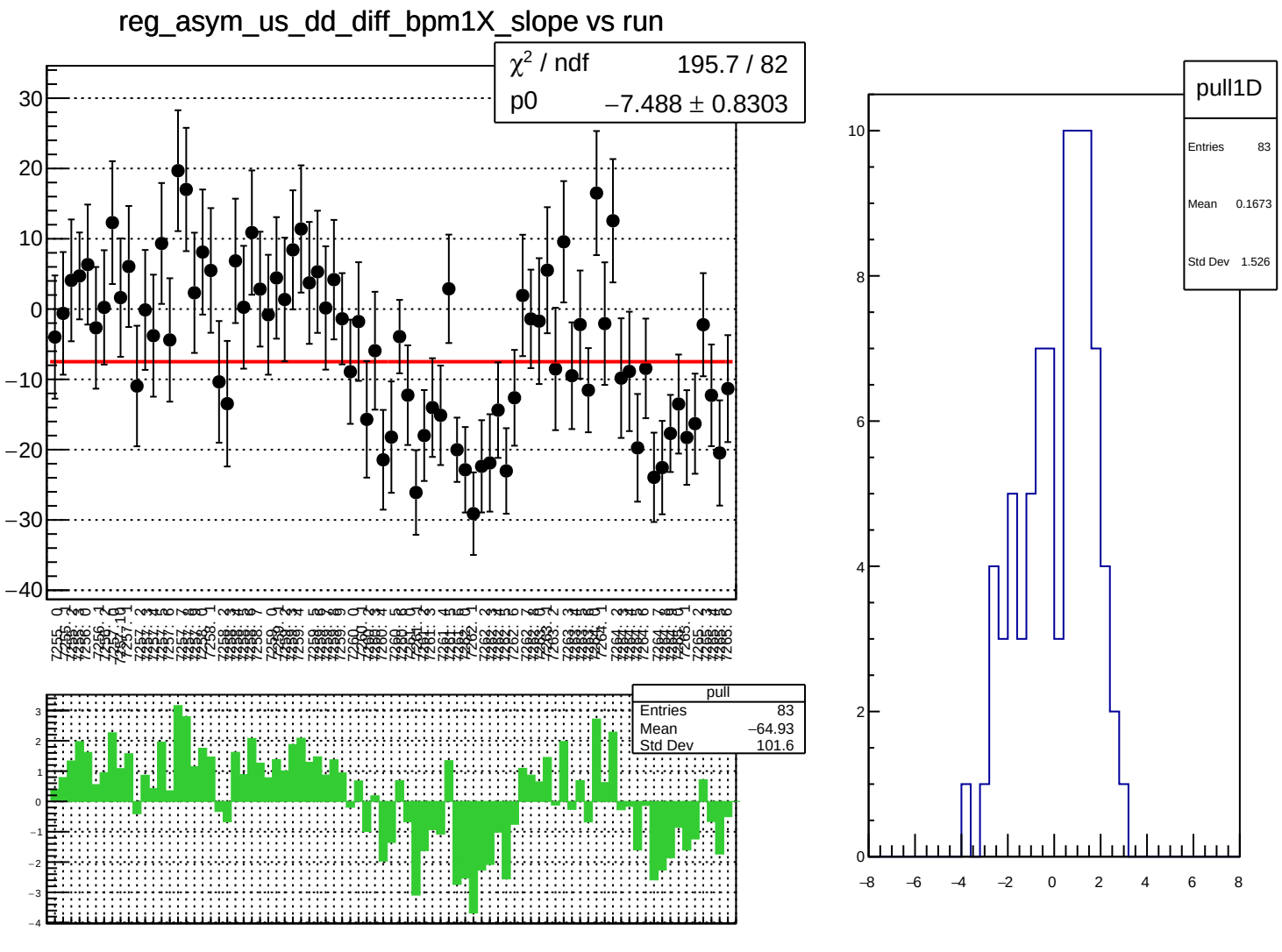

pull1D
Entries 83
Mean 0.08632
Std Dev 0.938

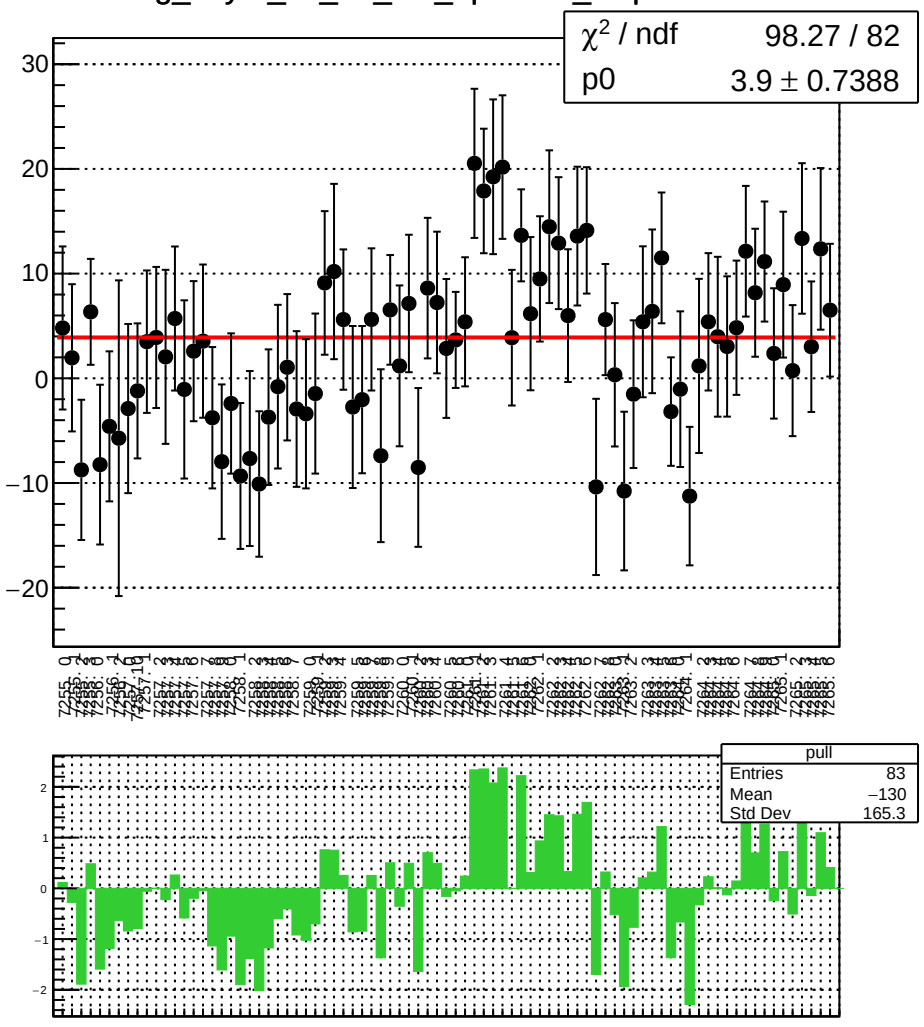

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.8 / 82
p0 19.01 ± 1.427
pull
Entries 83
Mean −4815
Std Dev 4855

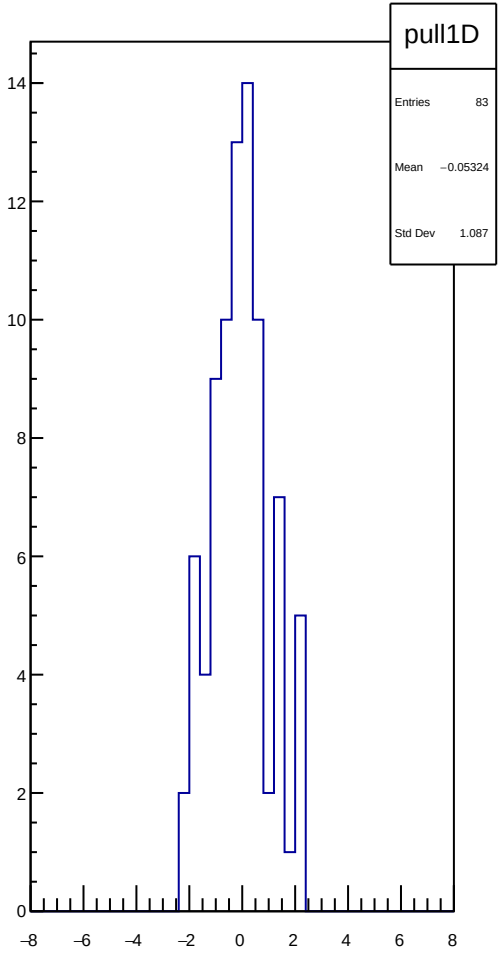

pull1D
Entries 83
Mean −0.001973
Std Dev 0.7509

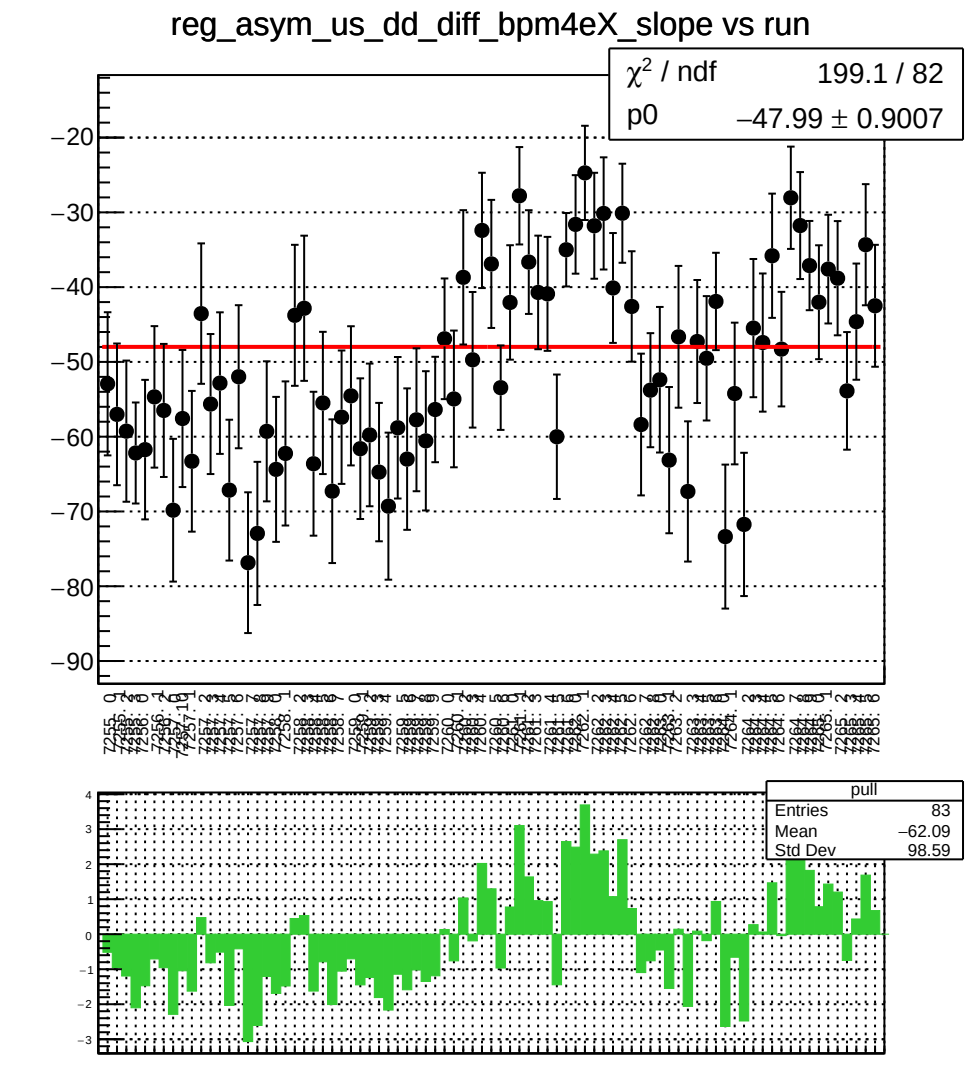

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 31.72 / 82
p0 −37.69 ± 0.06029
pull
Entries 83
Mean 254.2
Std Dev 222.6

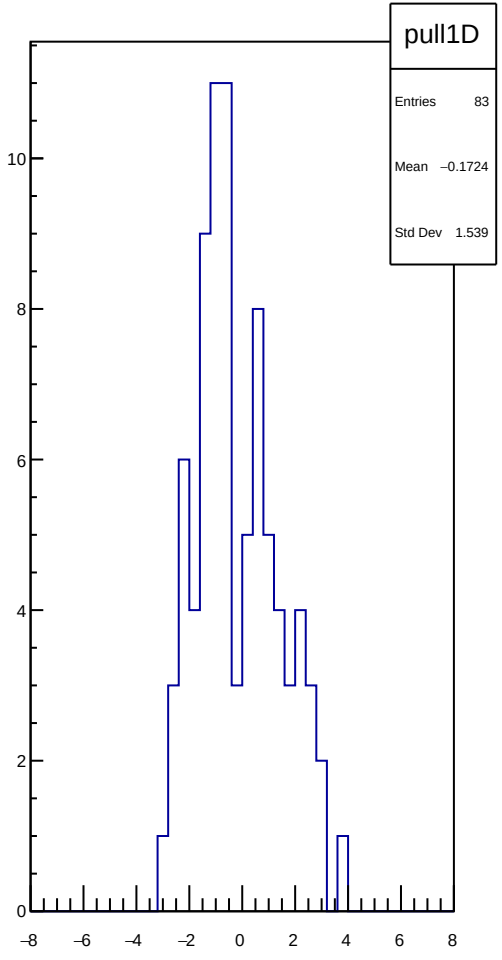

pull1D
Entries 83
Mean −0.004089
Std Dev 0.6182

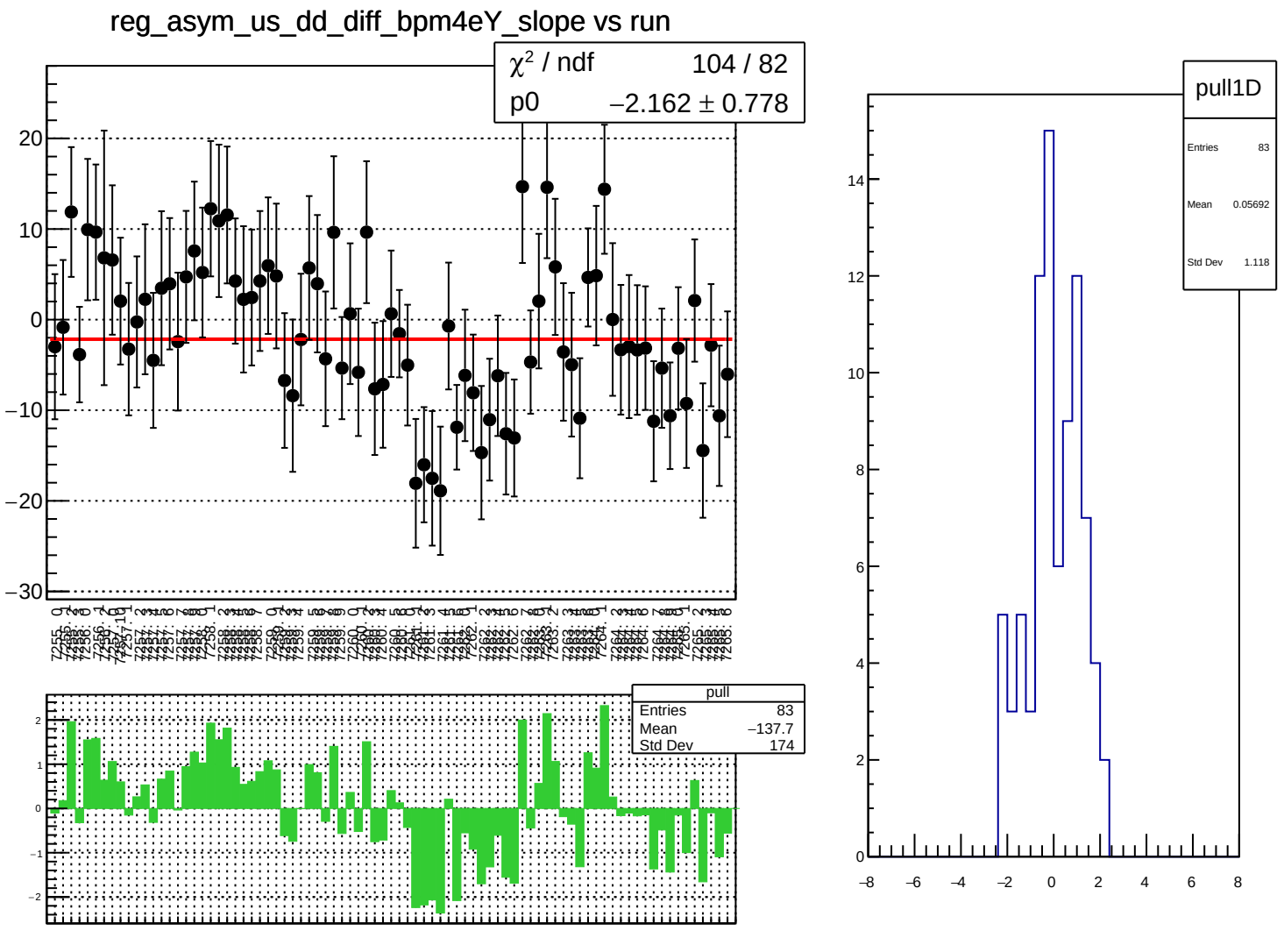

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 195.7 / 82
p0 −7.488 ± 0.8303
pull
Entries 83
Mean −64.93
Std Dev 101.6
pull1D
Entries 83
Mean 0.1673
Std Dev 1.526

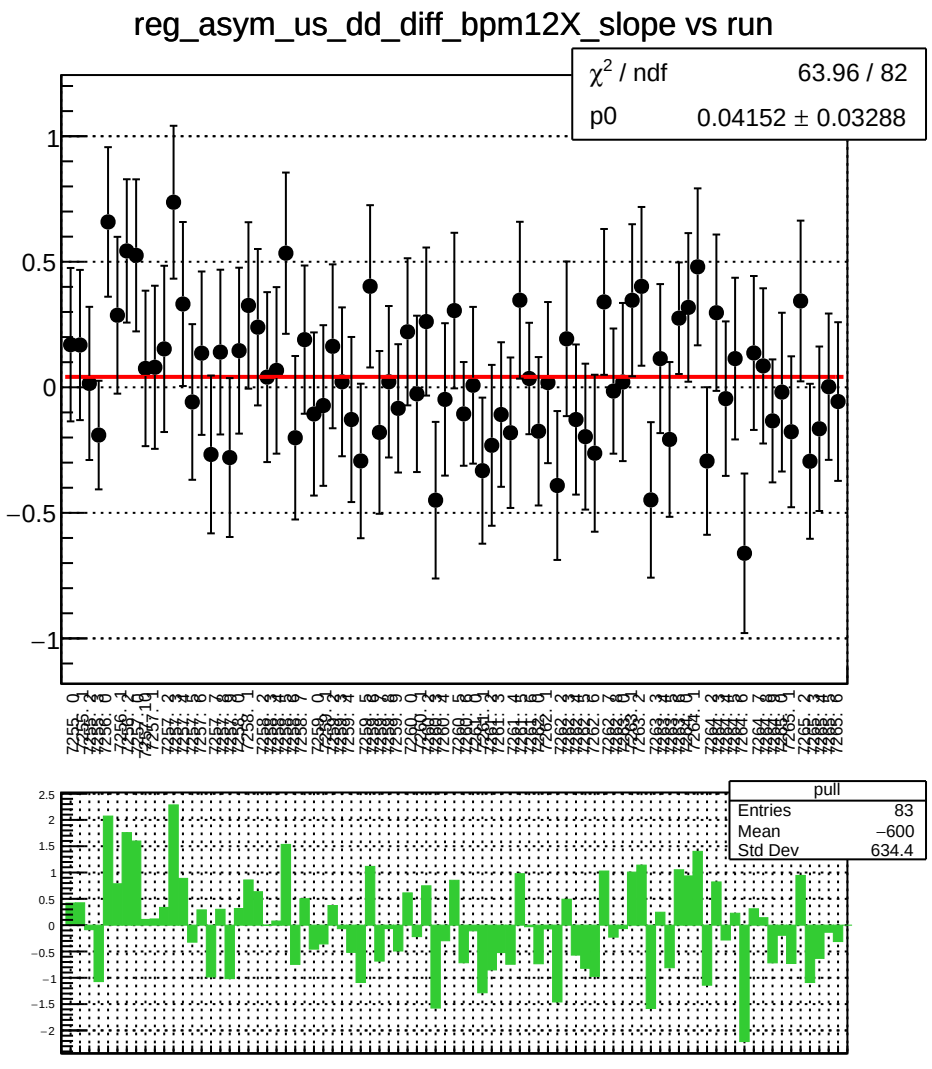

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.27 / 82
p0 3.9 ± 0.7388
pull
Entries 83
Mean −130
Std Dev 165.3

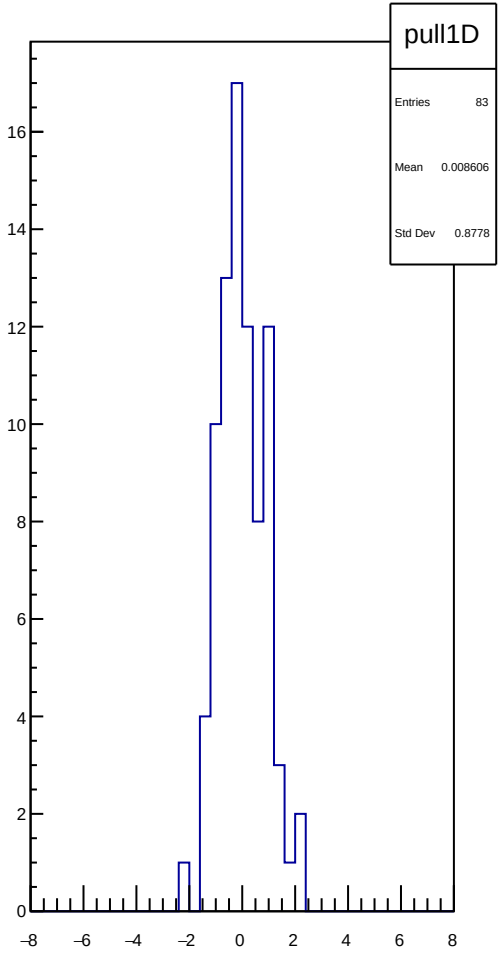

pull1D
Entries 83
Mean −0.05324
Std Dev 1.087

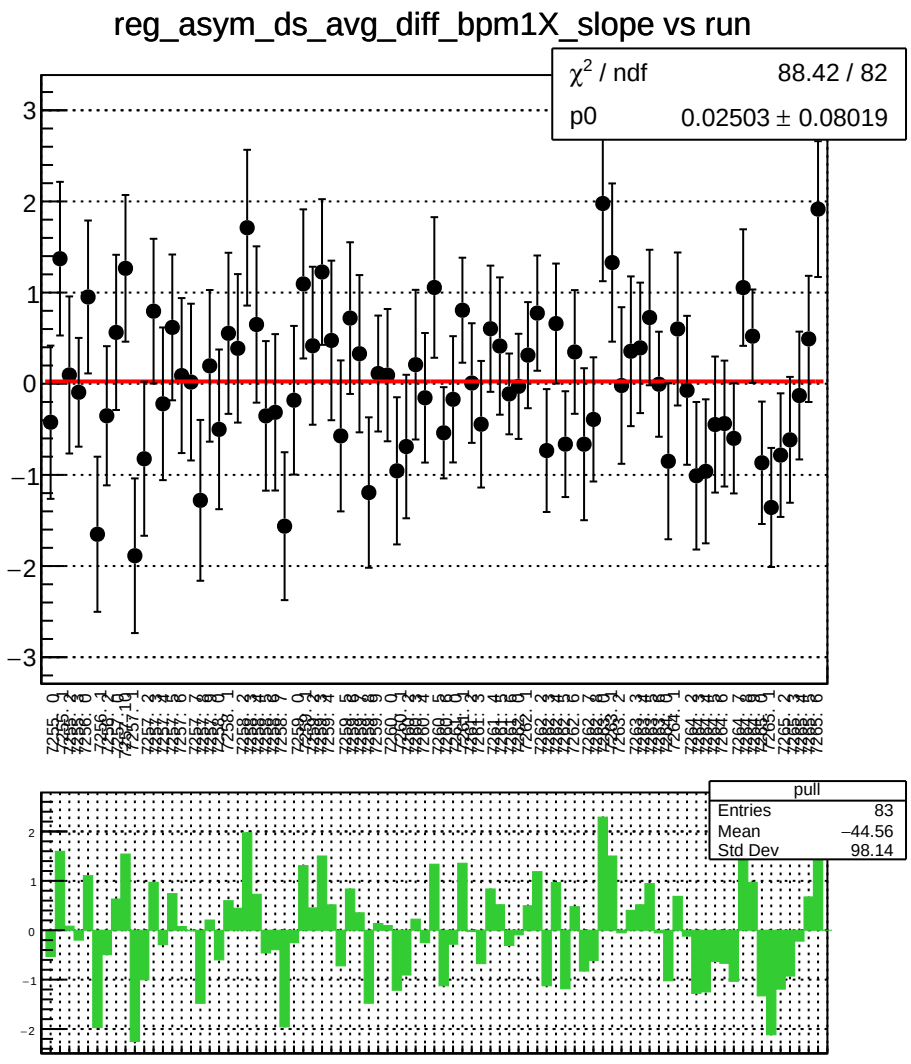

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 199.1 / 82
p0 −47.99 ± 0.9007
pull
Entries 83
Mean −62.09
Std Dev 98.59

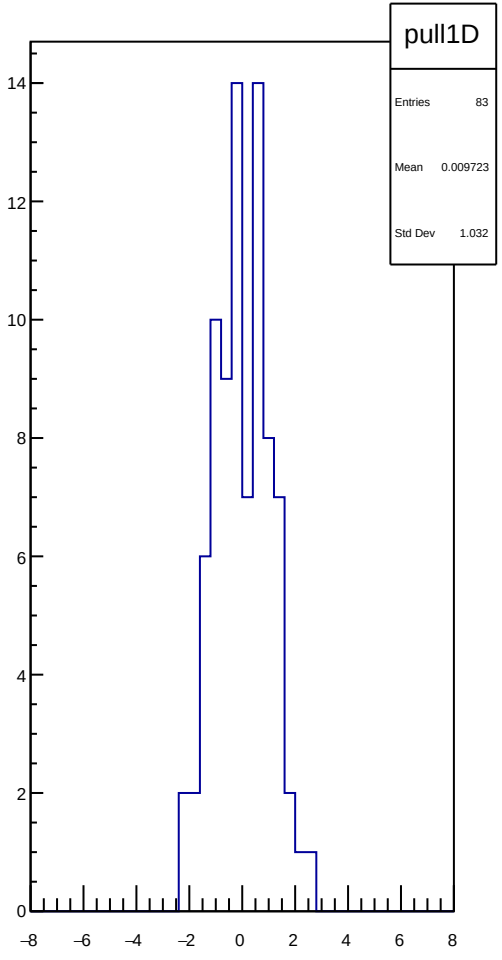

pull1D
Entries 83
Mean −0.1724
Std Dev 1.539

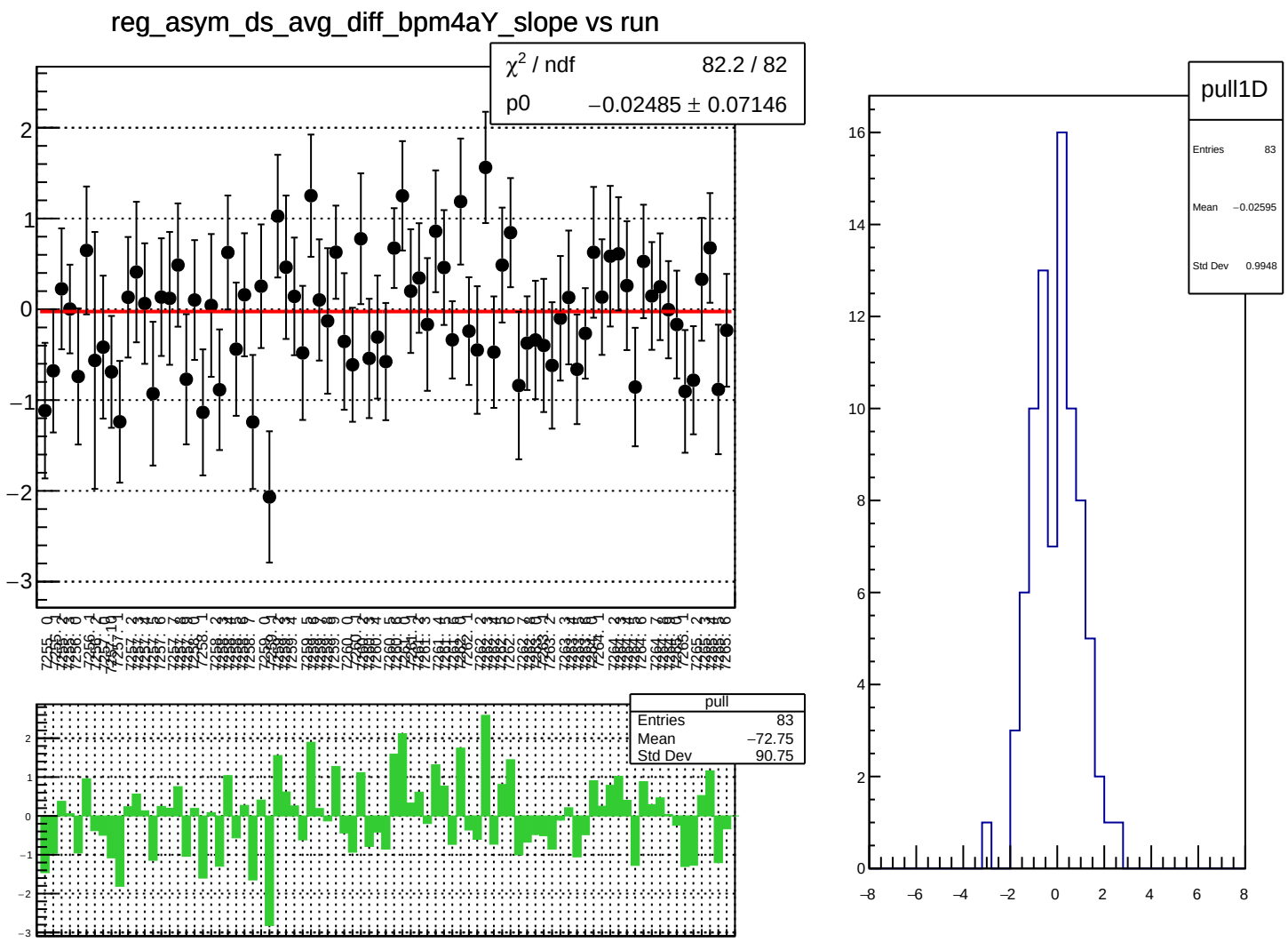

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 104 / 82
p0 −2.162 ± 0.778
pull
Entries 83
Mean −137.7
Std Dev 174
pull1D
Entries 83
Mean 0.05692
Std Dev 1.118

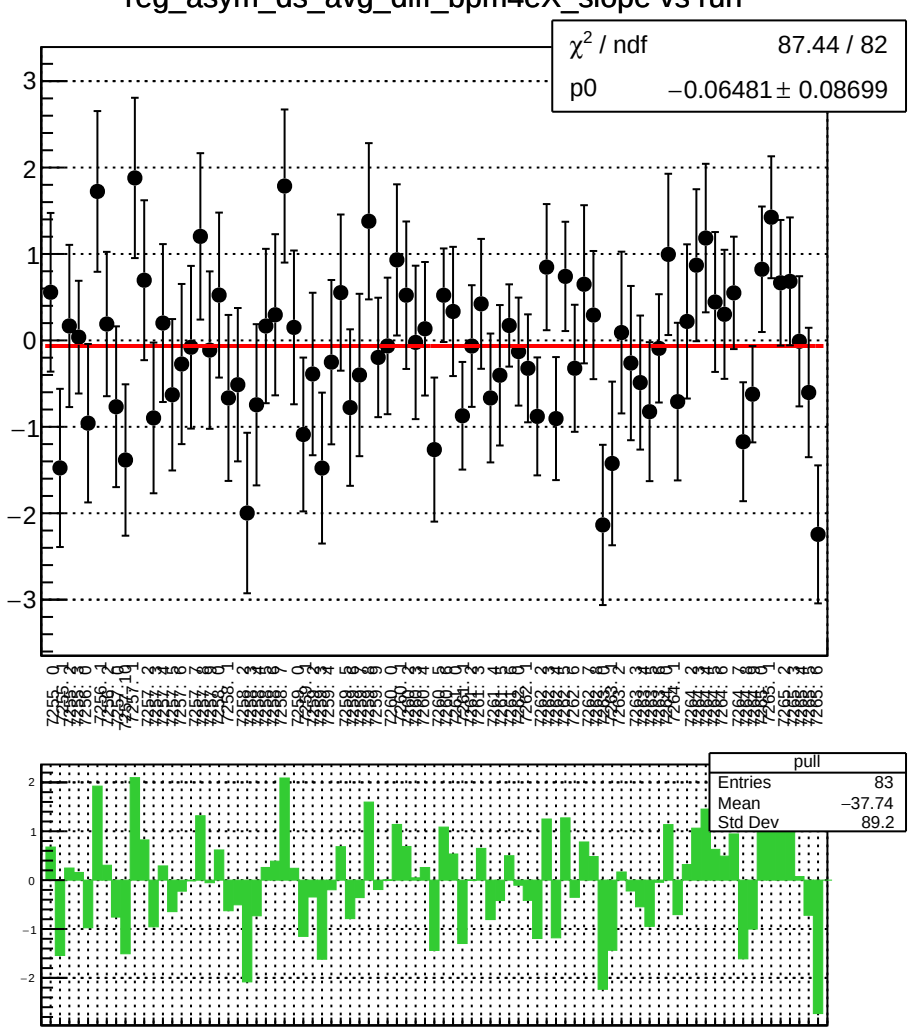

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 63.96 / 82
p0 0.04152 ± 0.03288
pull
Entries 83
Mean −600
Std Dev 634.4

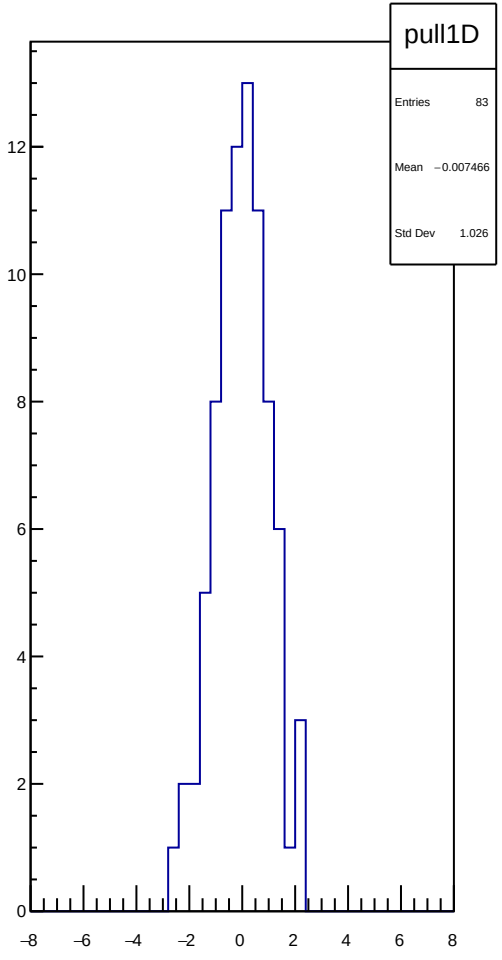

pull1D
Entries 83
Mean 0.008606
Std Dev 0.8778

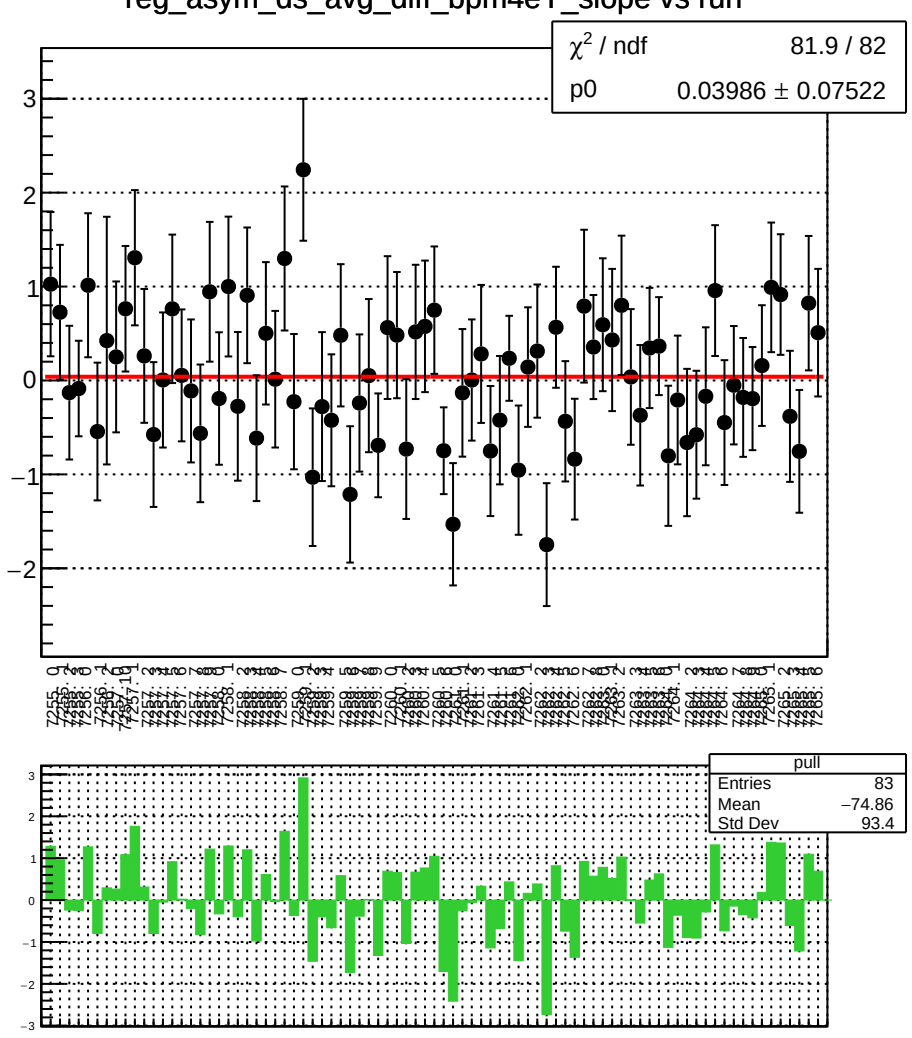

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 88.42 / 82
p0 0.02503 ± 0.08019
pull
Entries 83
Mean −44.56
Std Dev 98.14

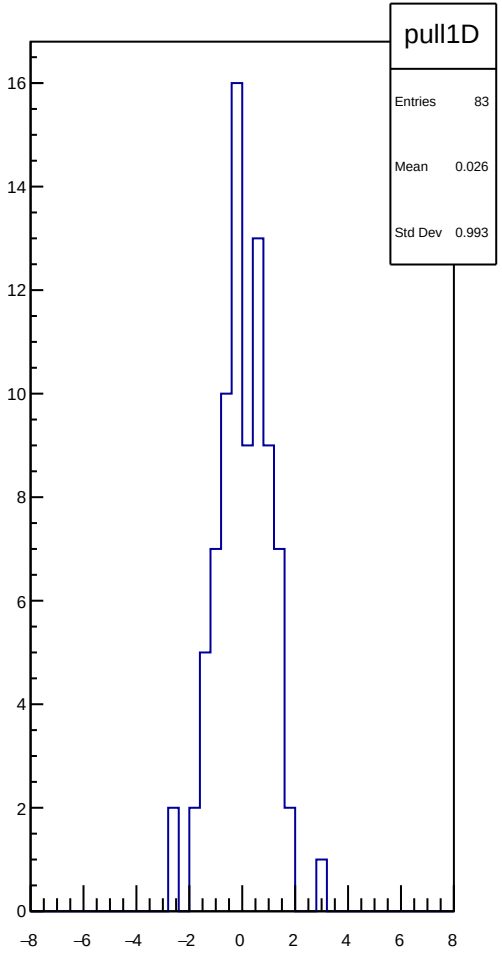

pull1D
Entries 83
Mean 0.009723
Std Dev 1.032

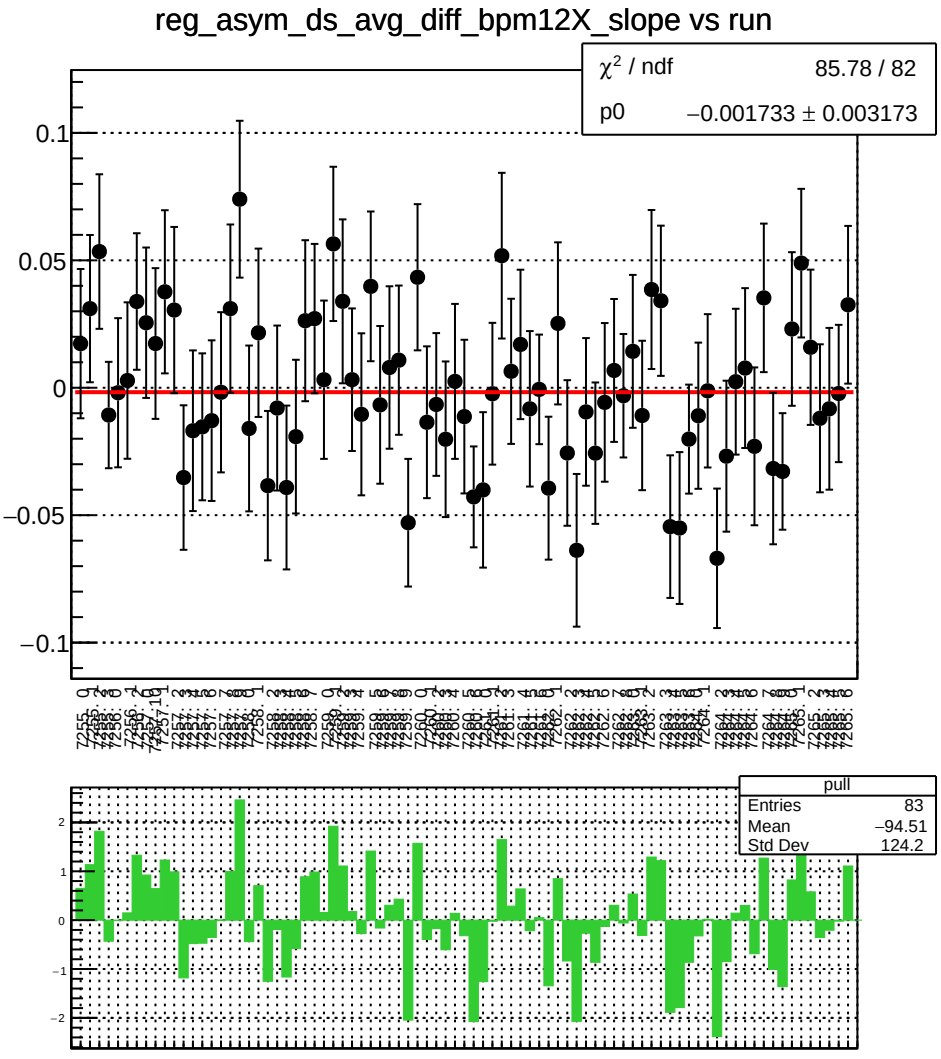

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.2 / 82
p0 −0.02485 ± 0.07146
pull
Entries 83
Mean −72.75
Std Dev 90.75
pull1D
Entries 83
Mean −0.02595
Std Dev 0.9948

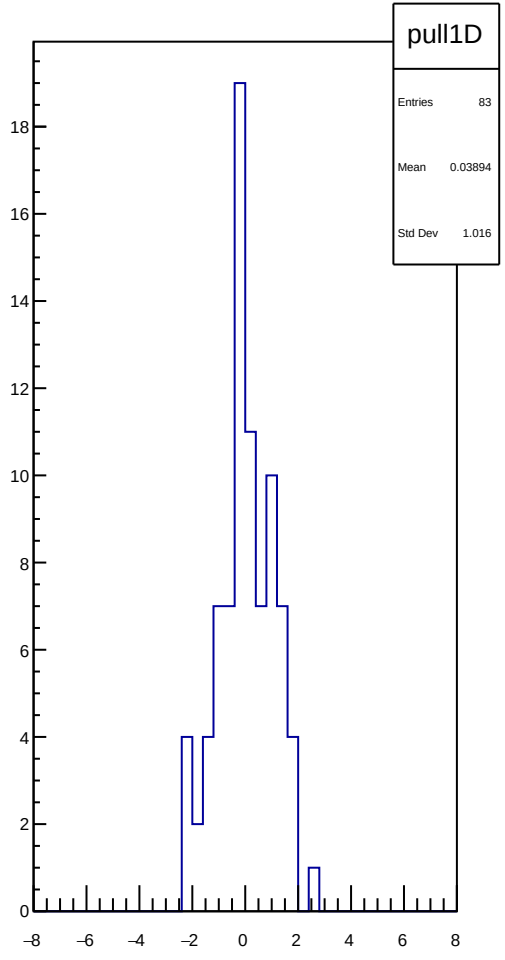

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.44 / 82
p0 −0.06481 ± 0.08699
pull
Entries 83
Mean −37.74
Std Dev 89.2

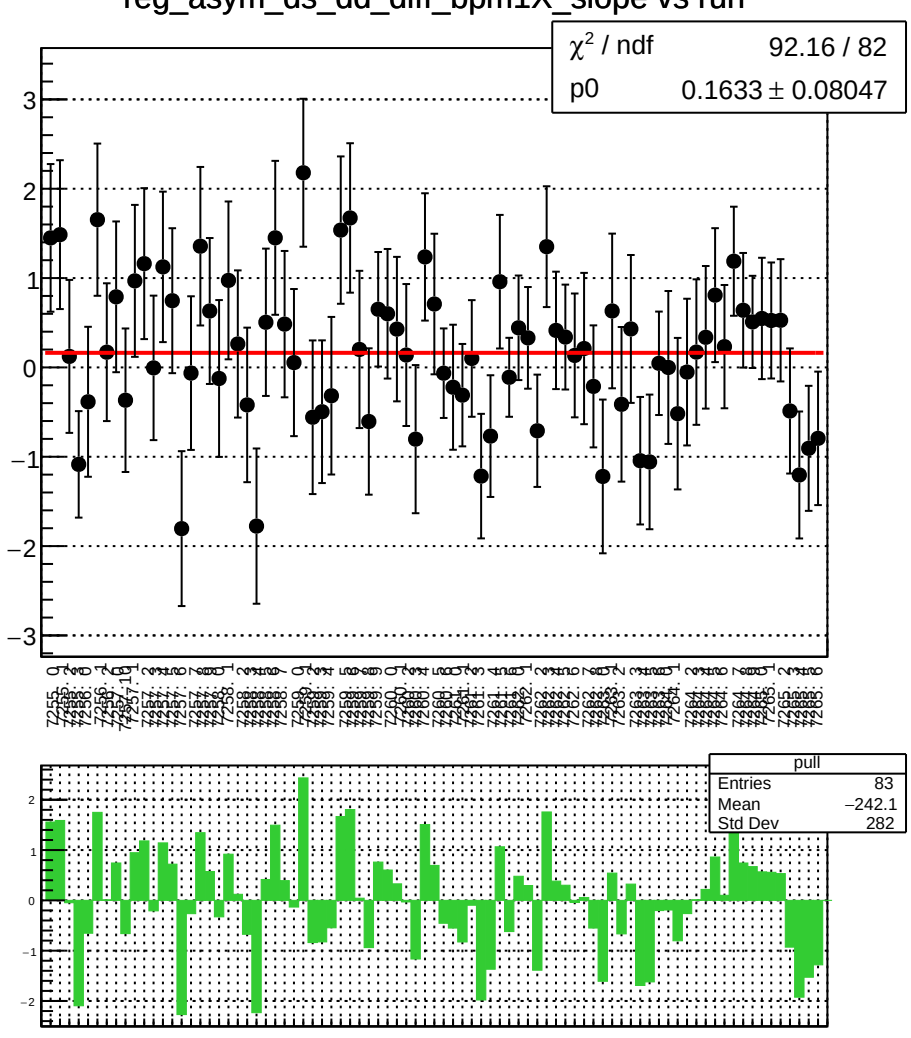

pull1D
Entries 83
Mean −0.007466
Std Dev 1.026

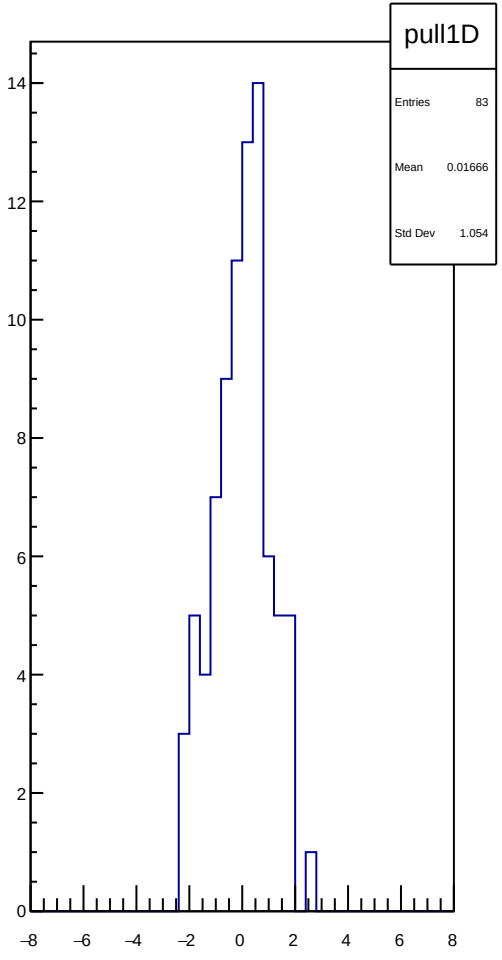

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 81.9 / 82
p0 0.03986 ± 0.07522
pull
Entries 83
Mean −74.86
Std Dev 93.4

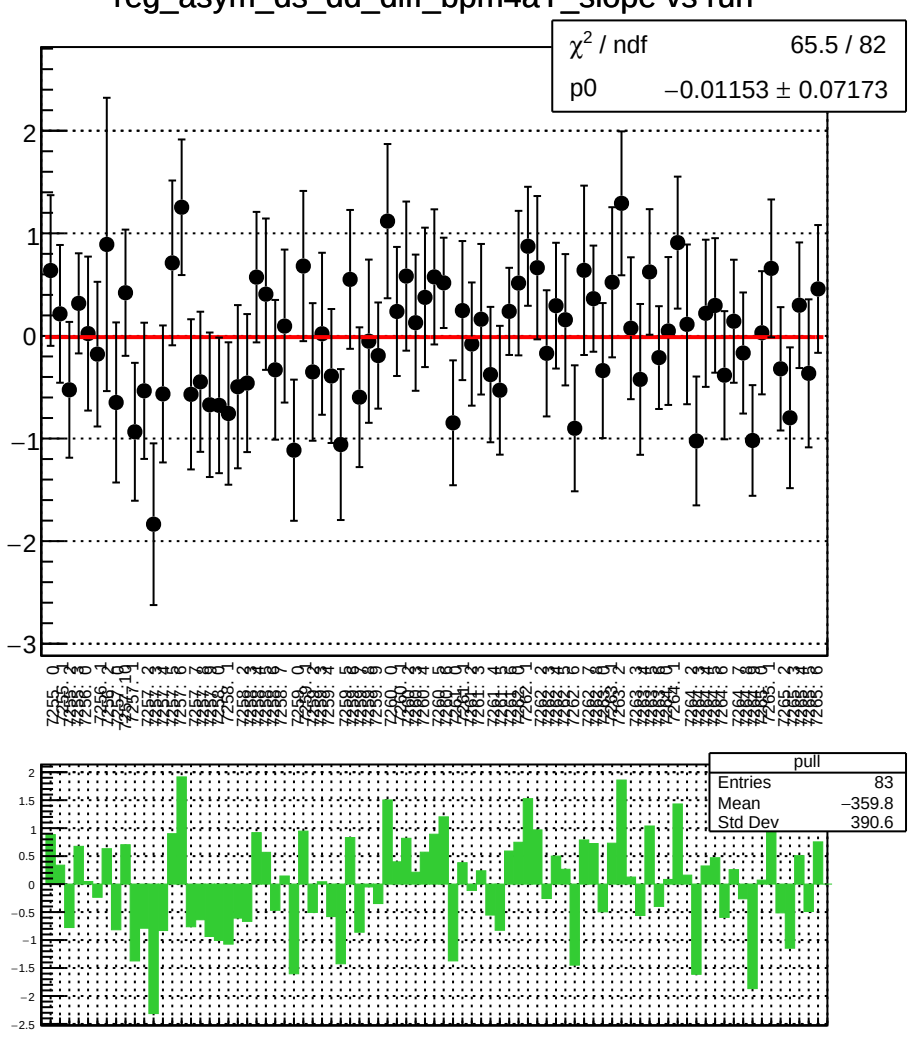

pull1D
Entries 83
Mean 0.026
Std Dev 0.993

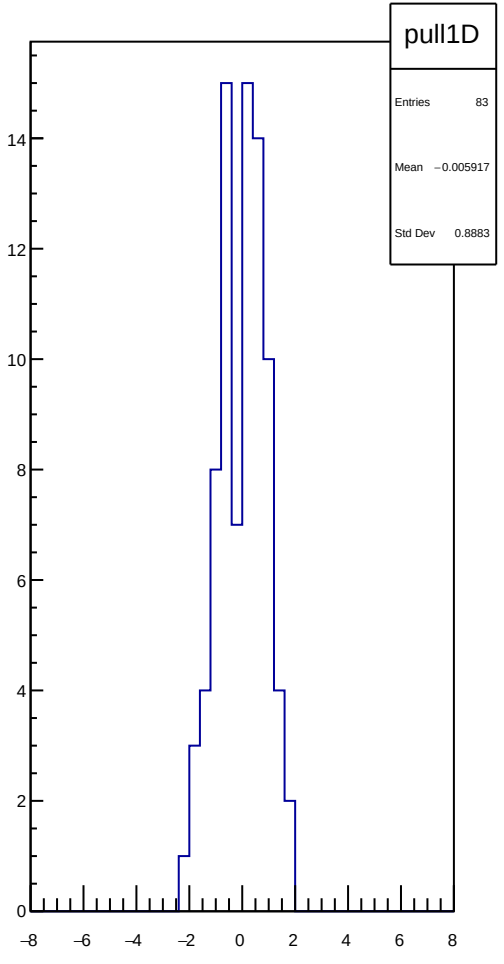

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 85.78 / 82
p0 −0.001733 ± 0.003173
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean −94.51
Std Dev 124.2
2
1
0
−1
−2

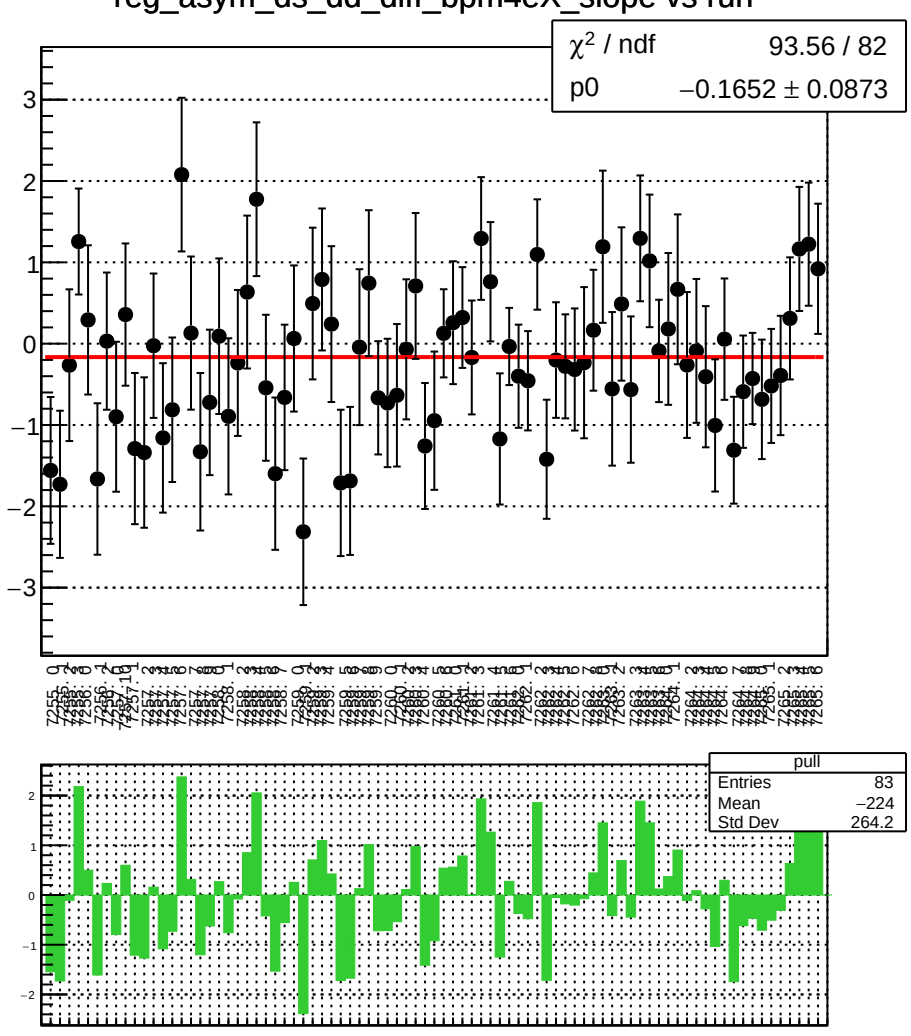

pull1D
Entries 83
Mean 0.03894
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

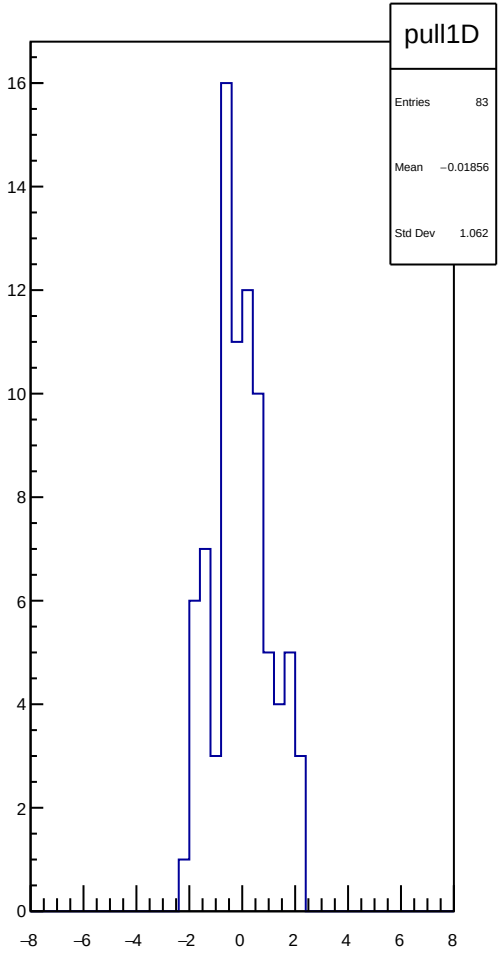

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 92.16 / 82
p0 0.1633 ± 0.08047
pull
Entries 83
Mean −242.1
Std Dev 282

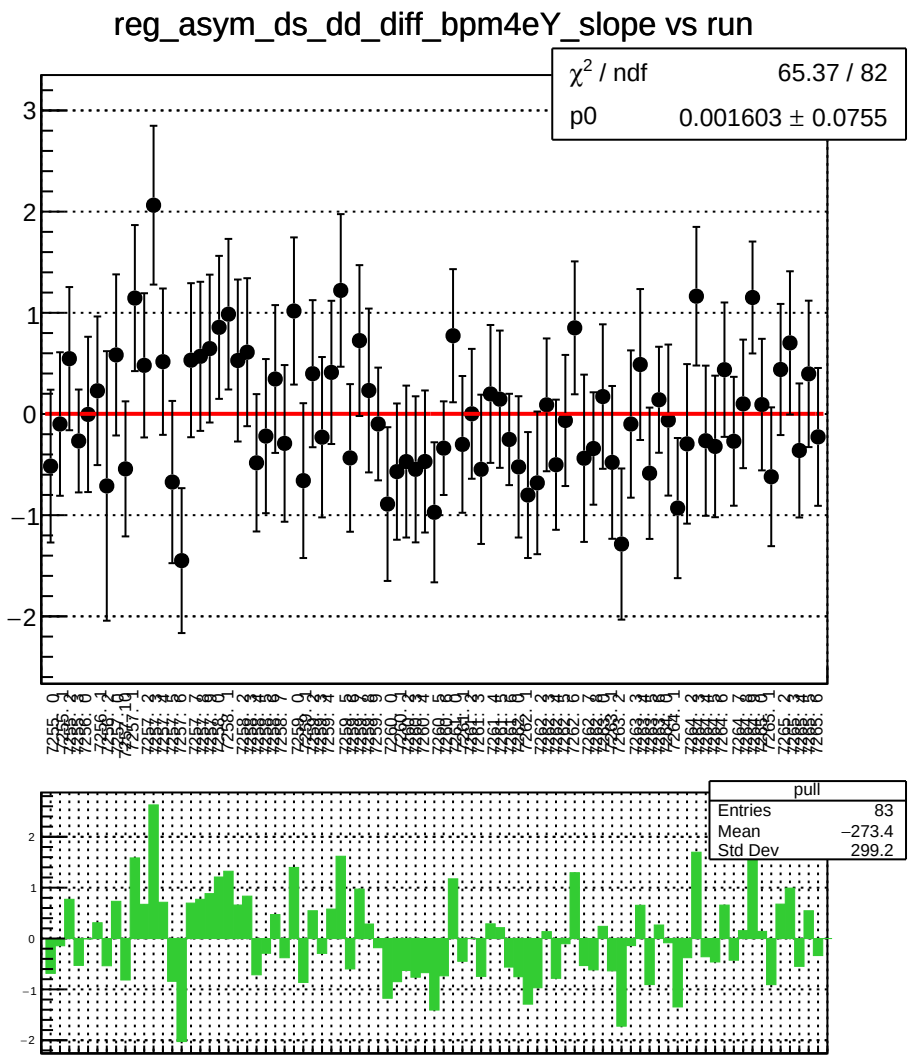

pull1D
Entries 83
Mean 0.01666
Std Dev 1.054

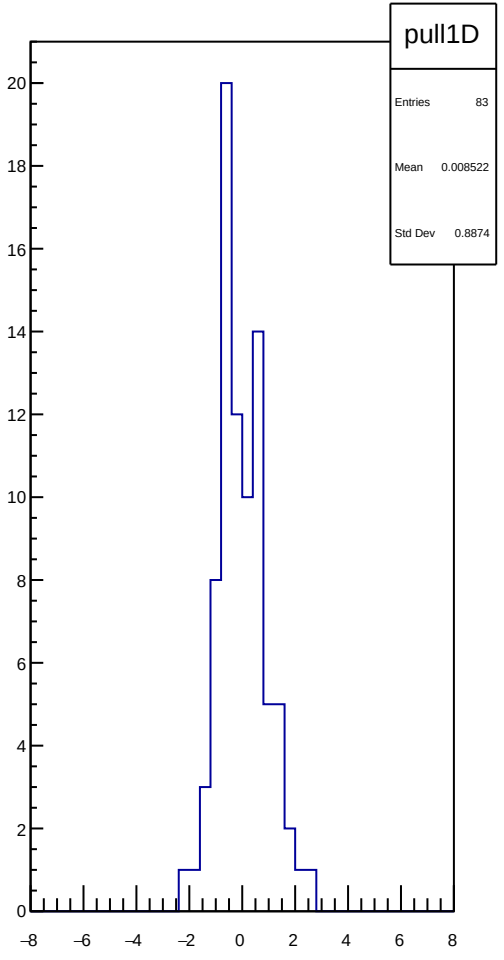

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.5 / 82
p0 −0.01153 ± 0.07173
pull
Entries 83
Mean −359.8
Std Dev 390.6

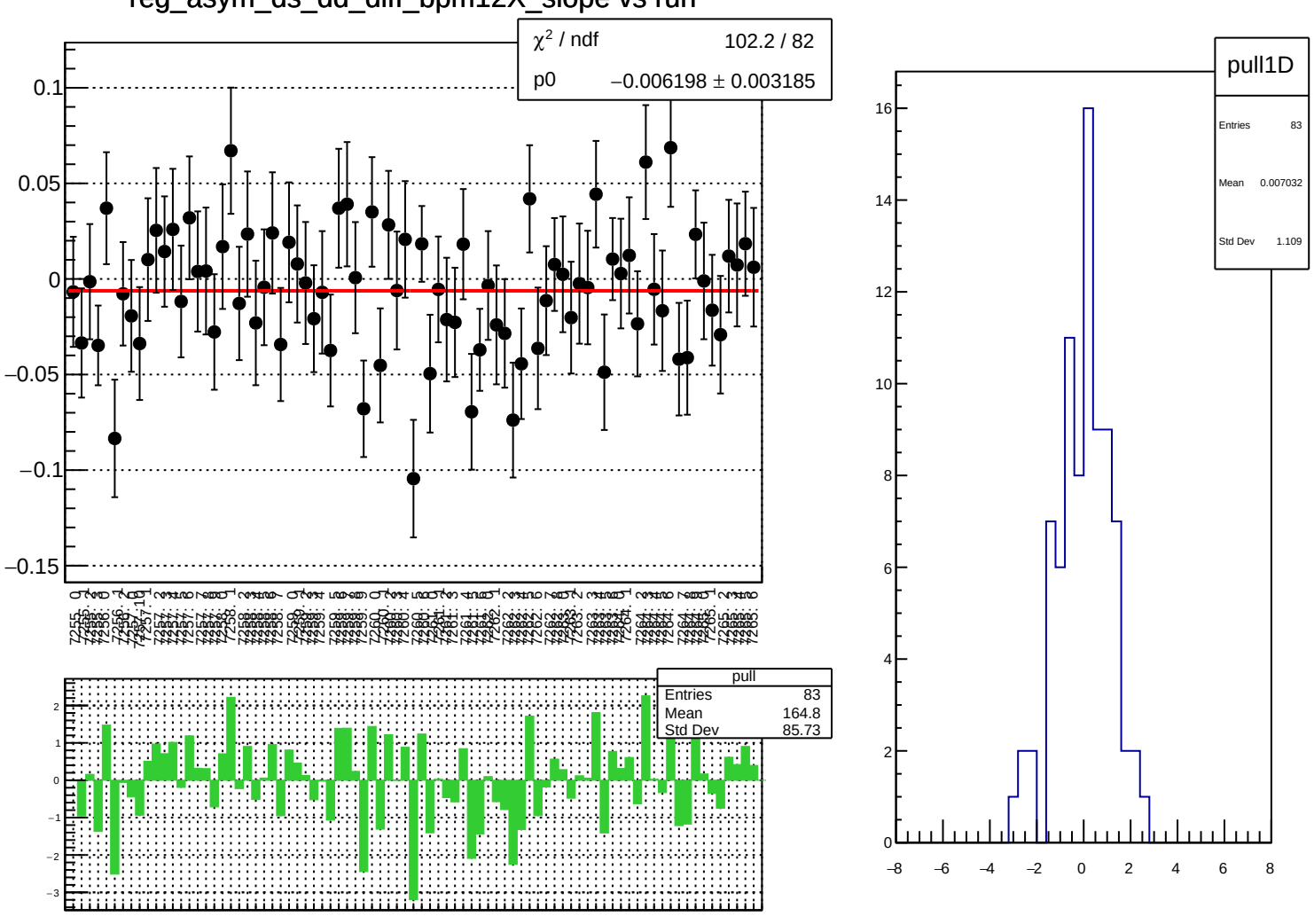

pull1D
Entries 83
Mean −0.005917
Std Dev 0.8883

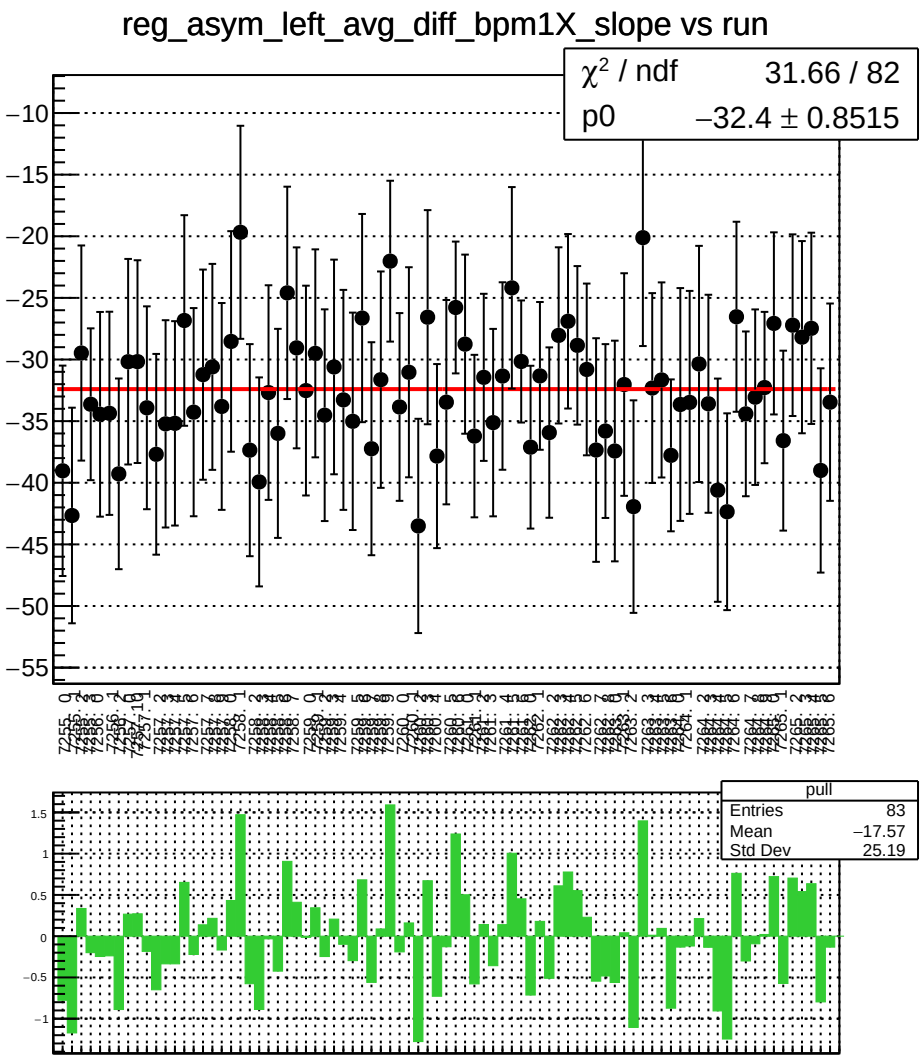

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.56 / 82
p0 −0.1652 ± 0.0873
pull
Entries 83
Mean −224
Std Dev 264.2

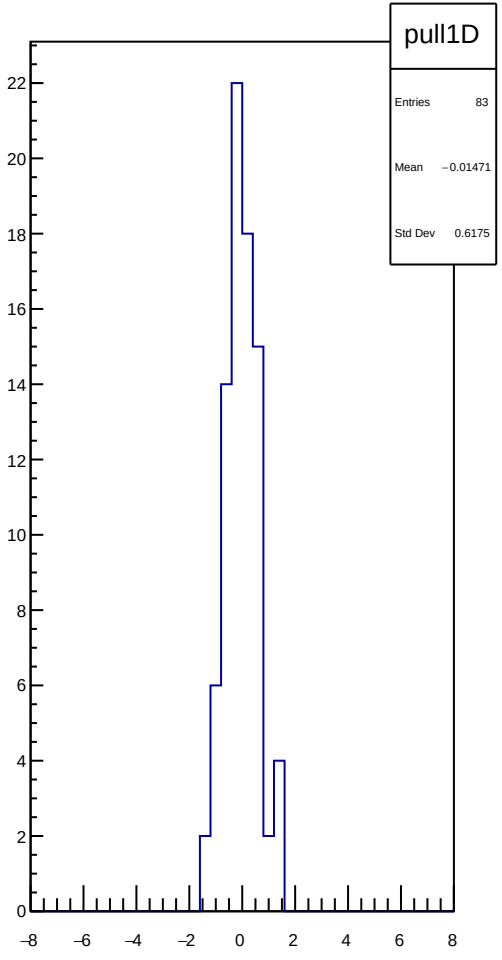

pull1D
Entries 83
Mean −0.01856
Std Dev 1.062

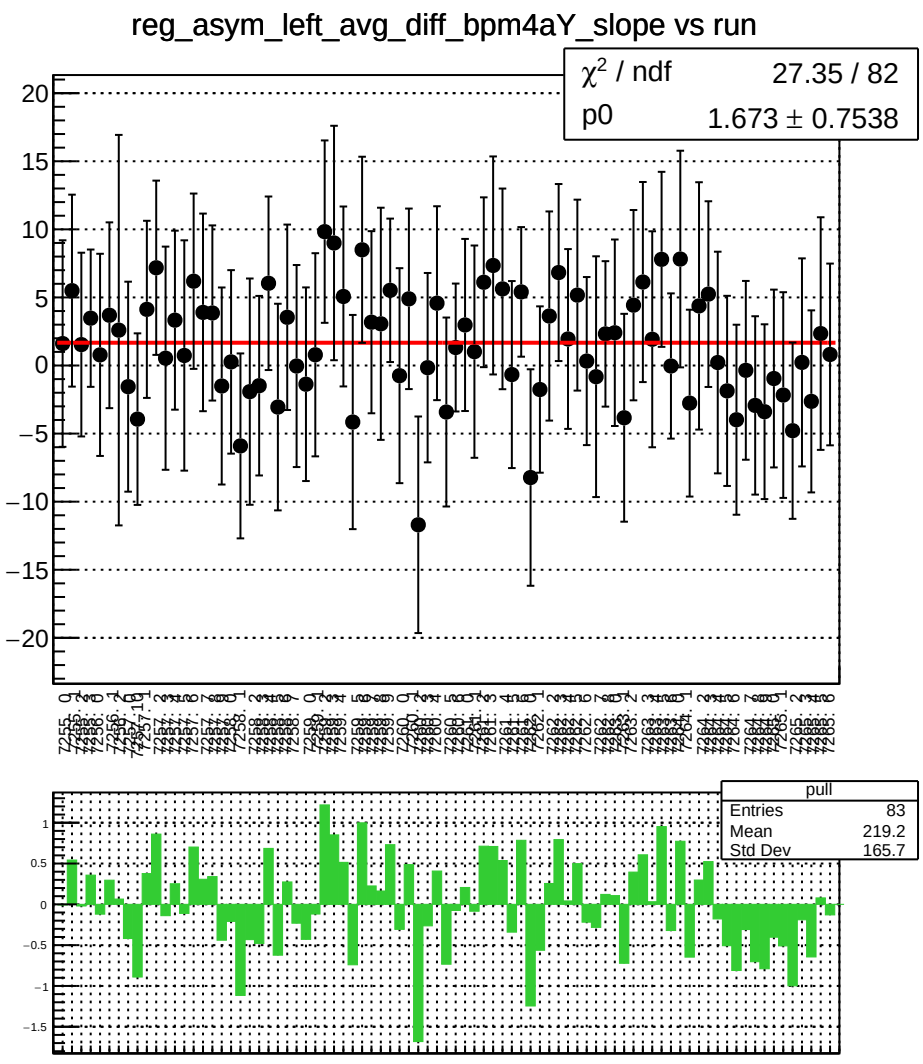

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.37 / 82
p0 0.001603 ± 0.0755
pull
Entries 83
Mean −273.4
Std Dev 299.2

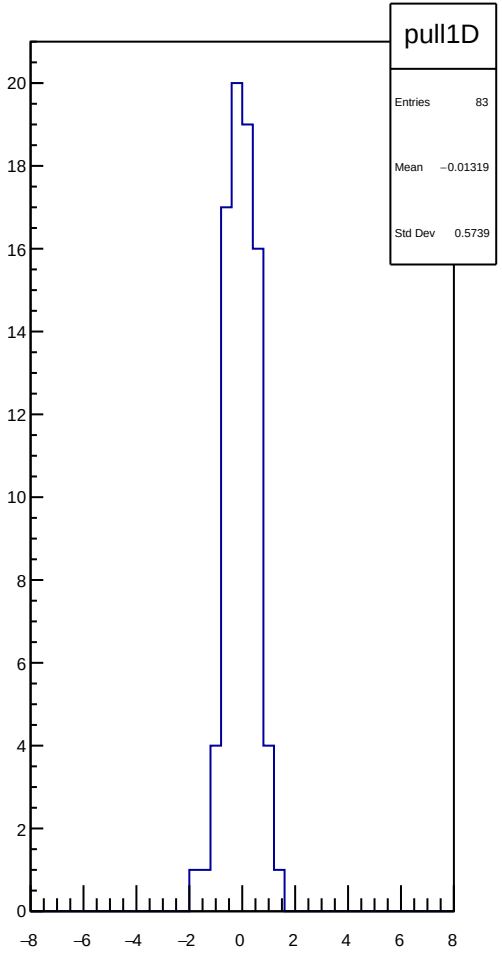

pull1D
Entries 83
Mean 0.008522
Std Dev 0.8874

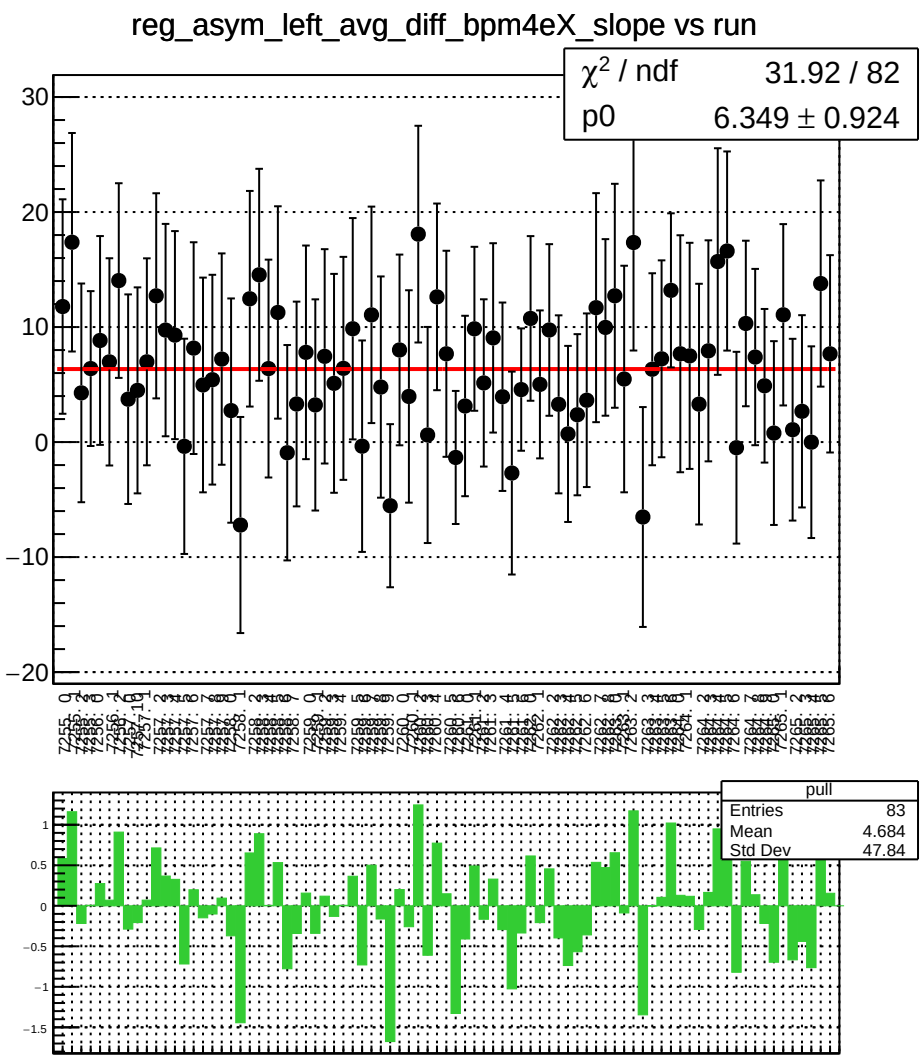

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 102.2 / 82
p0 −0.006198 ± 0.003185
pull
Entries 83
Mean 164.8
Std Dev 85.73
pull1D
Entries 83
Mean 0.007032
Std Dev 1.109

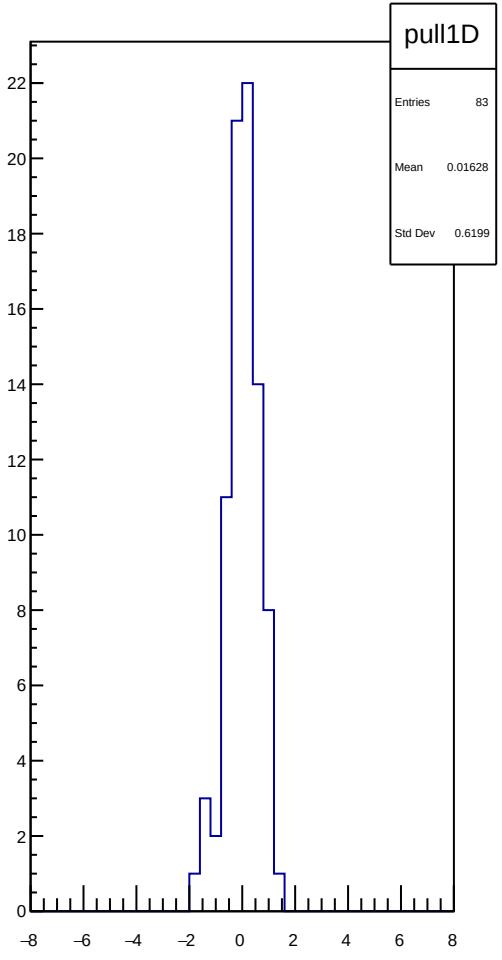

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 31.66 / 82
p0 −32.4 ± 0.8515
pull
Entries 83
Mean −17.57
Std Dev 25.19

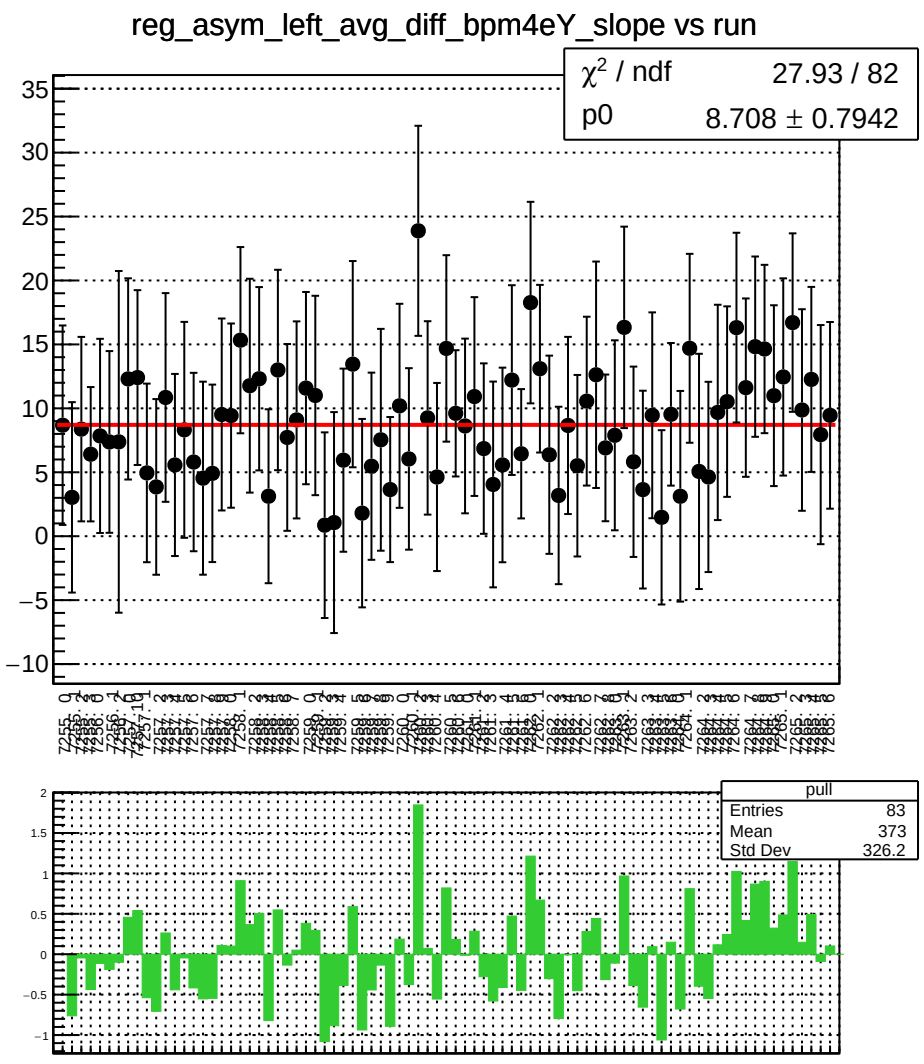

pull1D
Entries 83
Mean −0.01471
Std Dev 0.6175

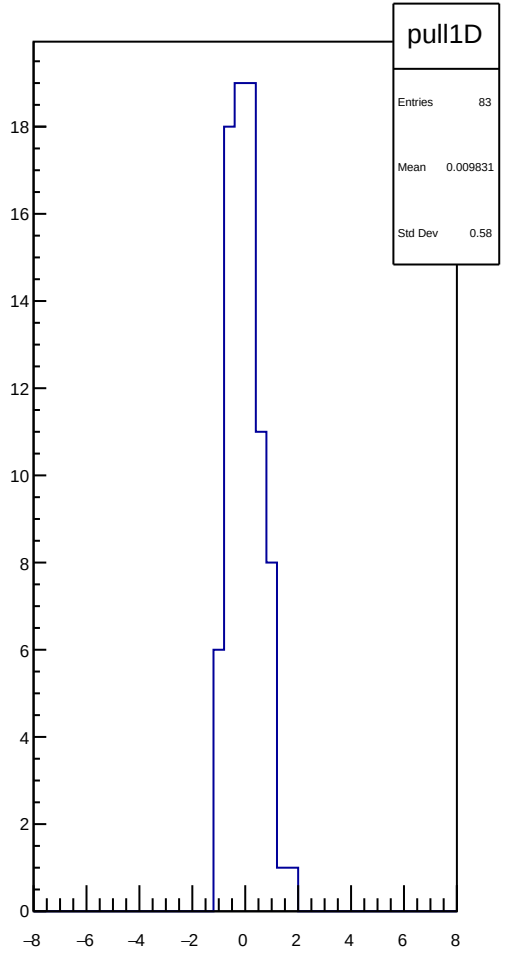

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.35 / 82
p0 1.673 ± 0.7538
pull
Entries 83
Mean 219.2
Std Dev 165.7

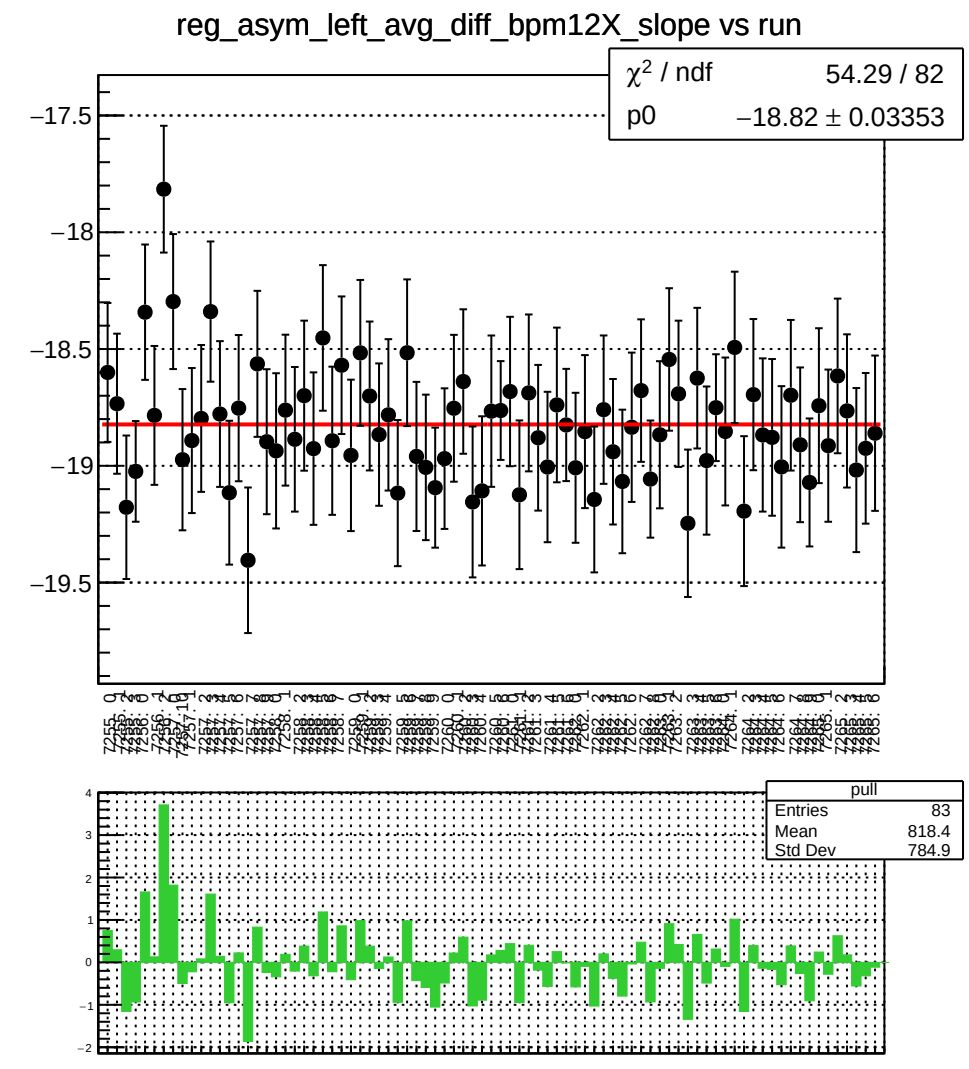

pull1D
Entries 83
Mean −0.01319
Std Dev 0.5739

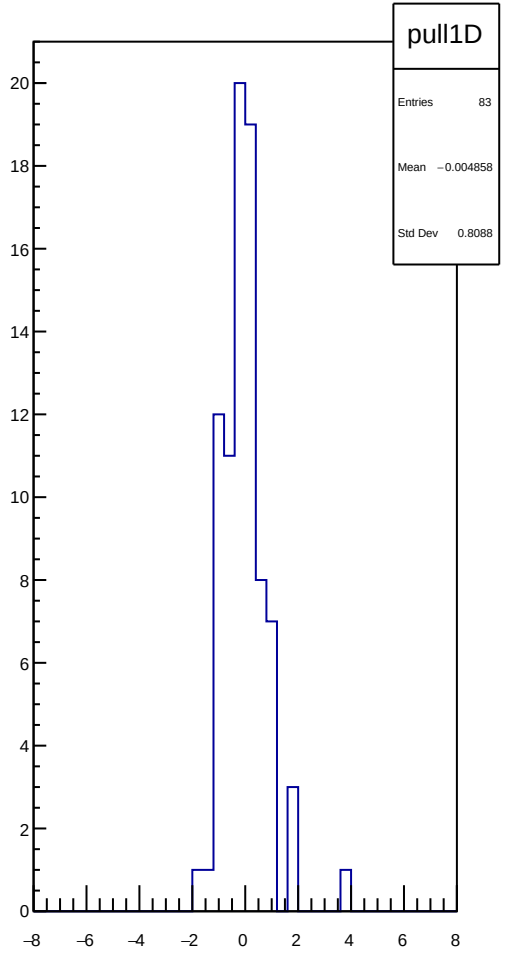

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.92 / 82
p0 6.349 ± 0.924
pull
Entries 83
Mean 4.684
Std Dev 47.84

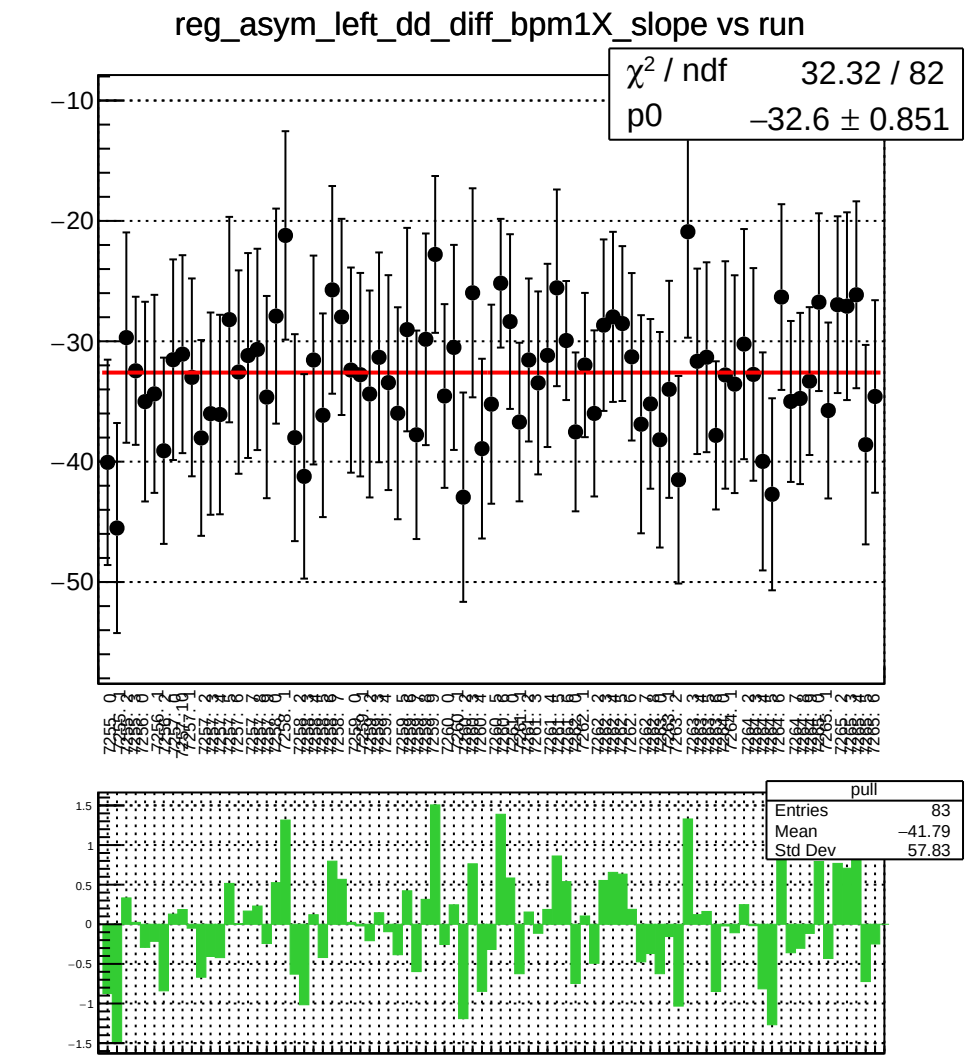

pull1D
Entries 83
Mean 0.01628
Std Dev 0.6199

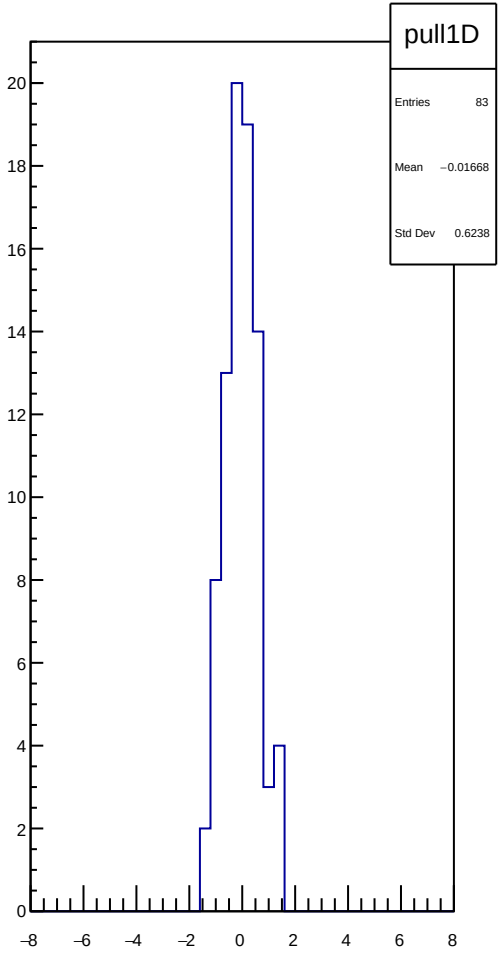

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.93 / 82
p0 8.708 ± 0.7942
pull
Entries 83
Mean 373
Std Dev 326.2

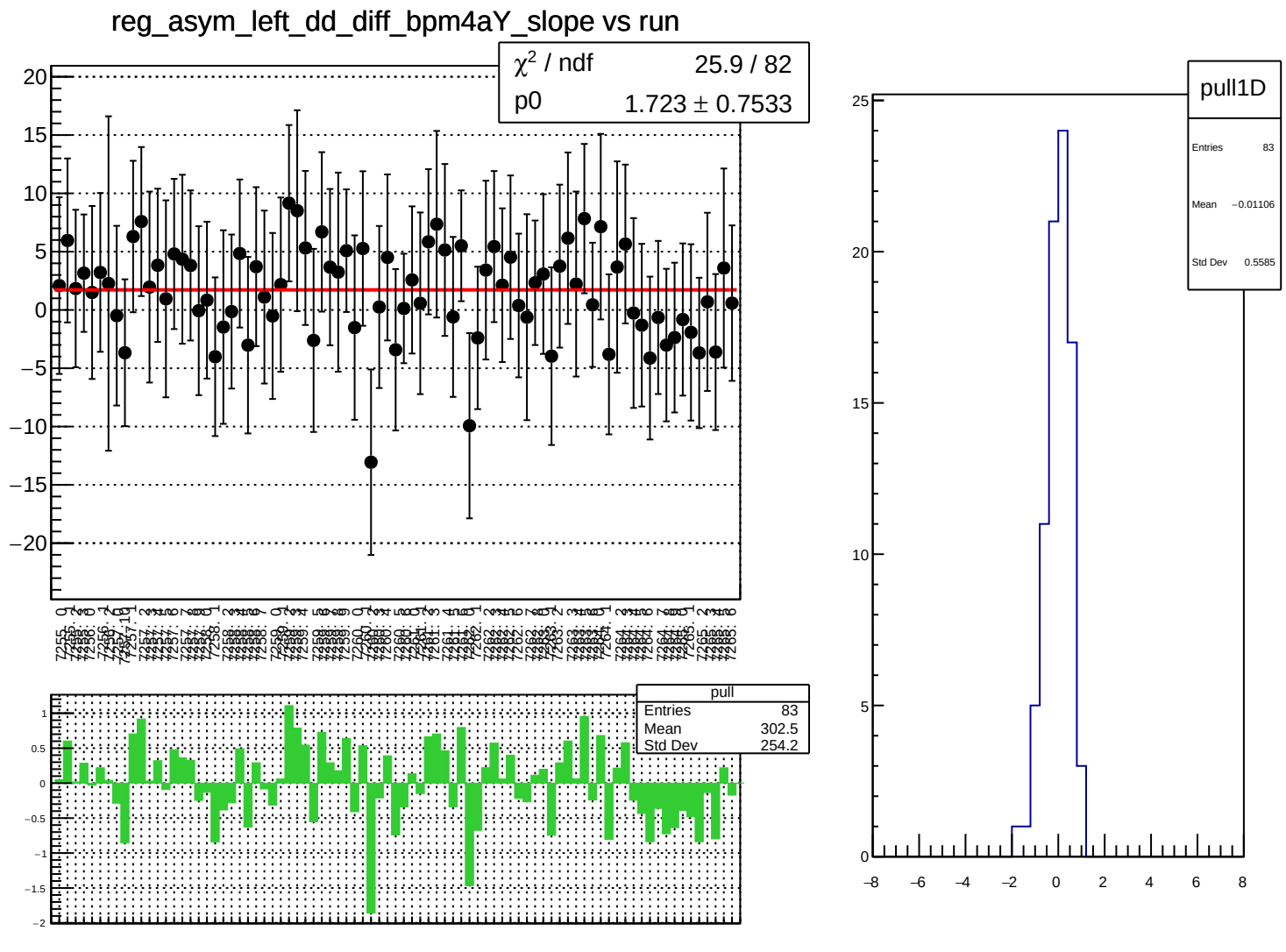

pull1D
Entries 83
Mean 0.009831
Std Dev 0.58

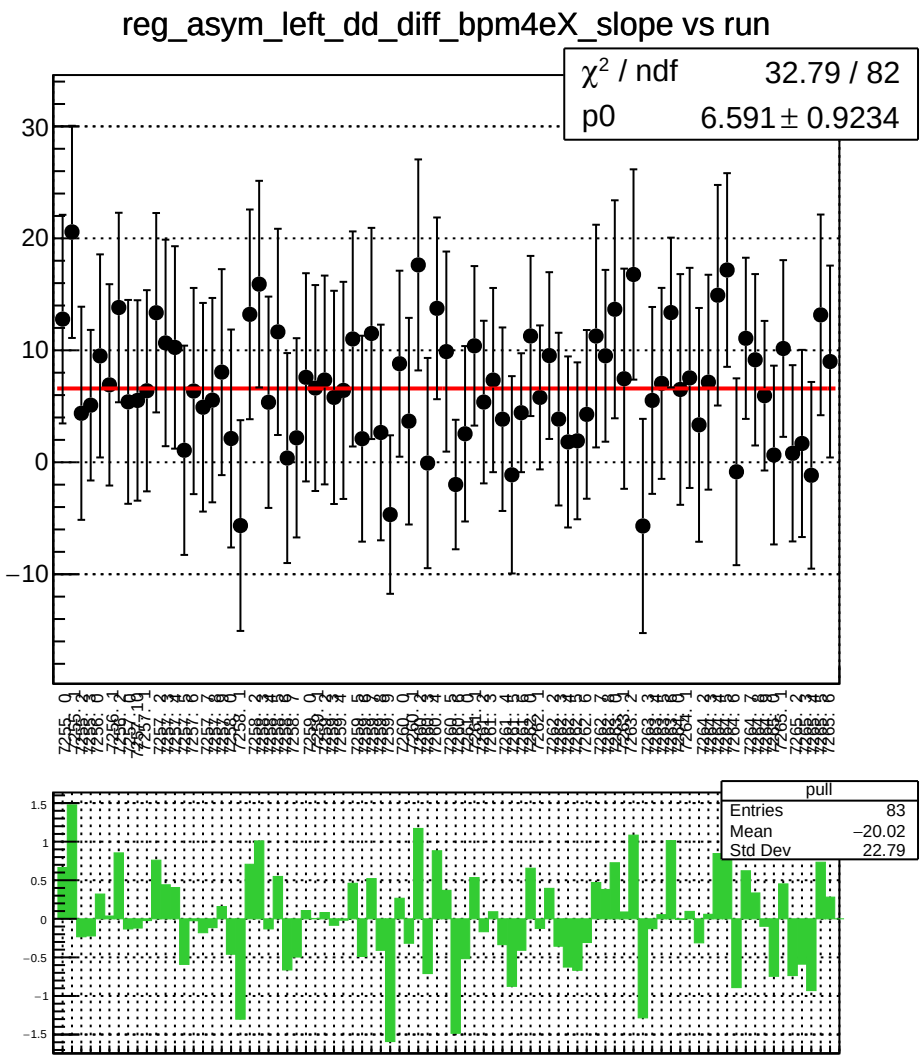

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 54.29 / 82
p0 −18.82 ± 0.03353
−17.5
−18
−18.5
−19
−19.5
pull
Entries 83
Mean 818.4
Std Dev 784.9
4
3
2
1
0
−1
−2

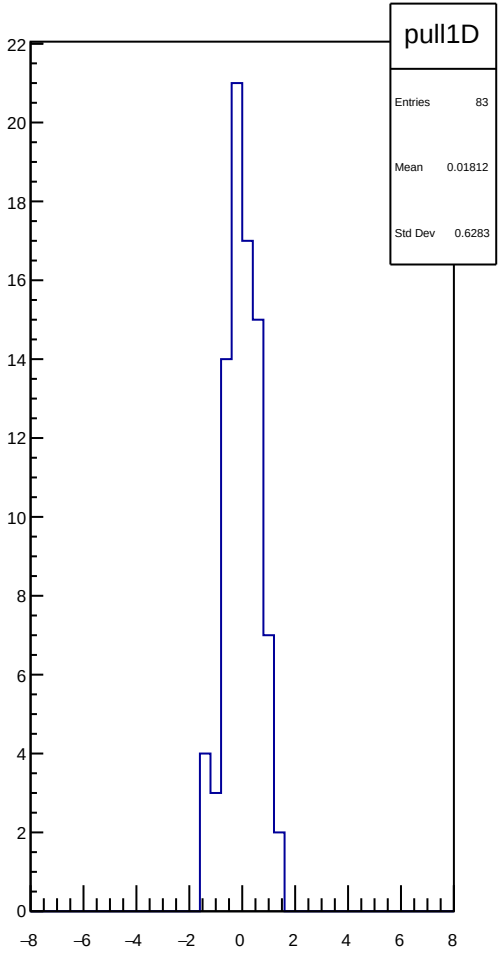

pull1D
Entries 83
Mean −0.004858
Std Dev 0.8088
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

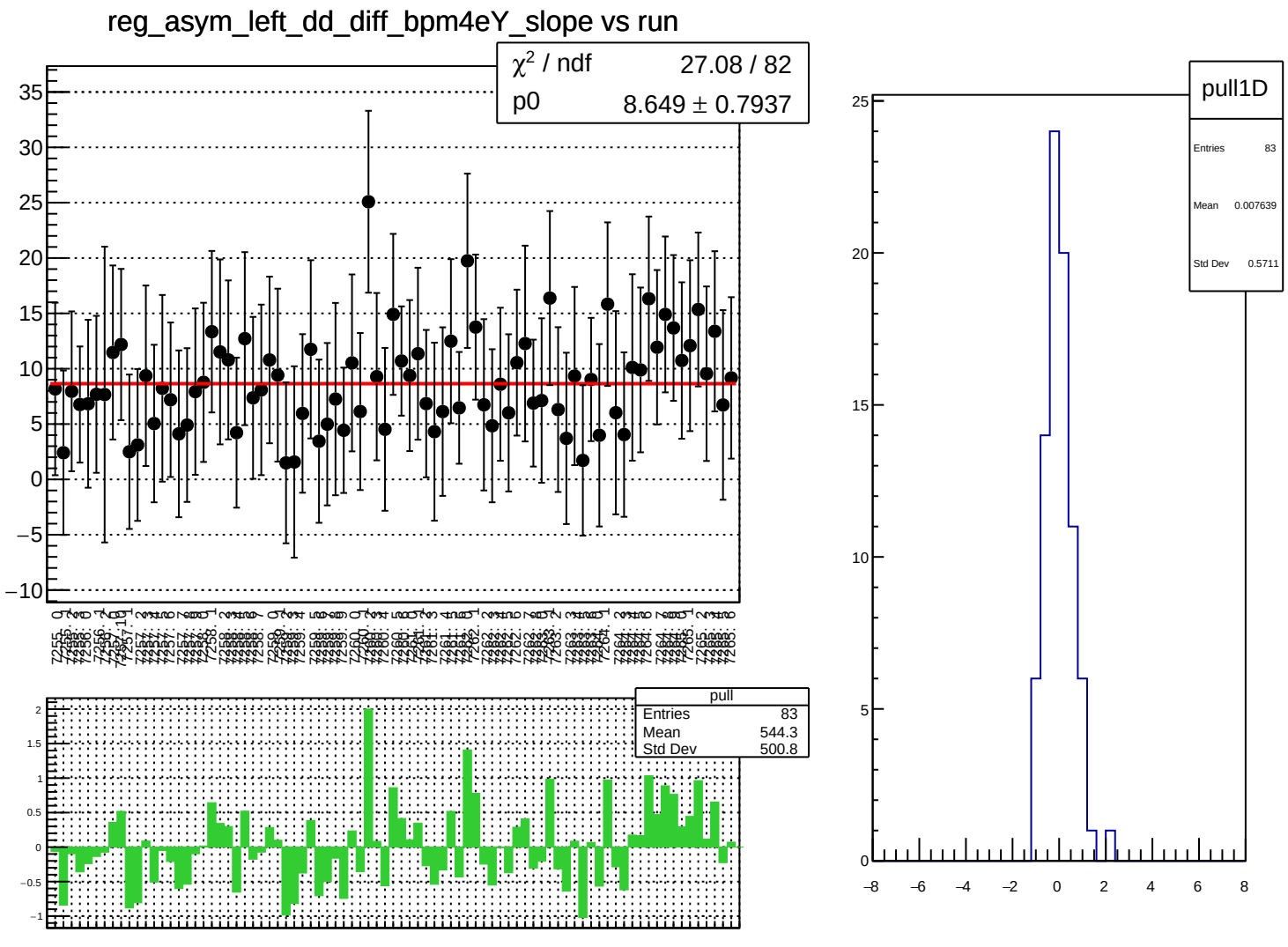

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 32.32 / 82
p0 −32.6 ± 0.851
pull
Entries 83
Mean −41.79
Std Dev 57.83

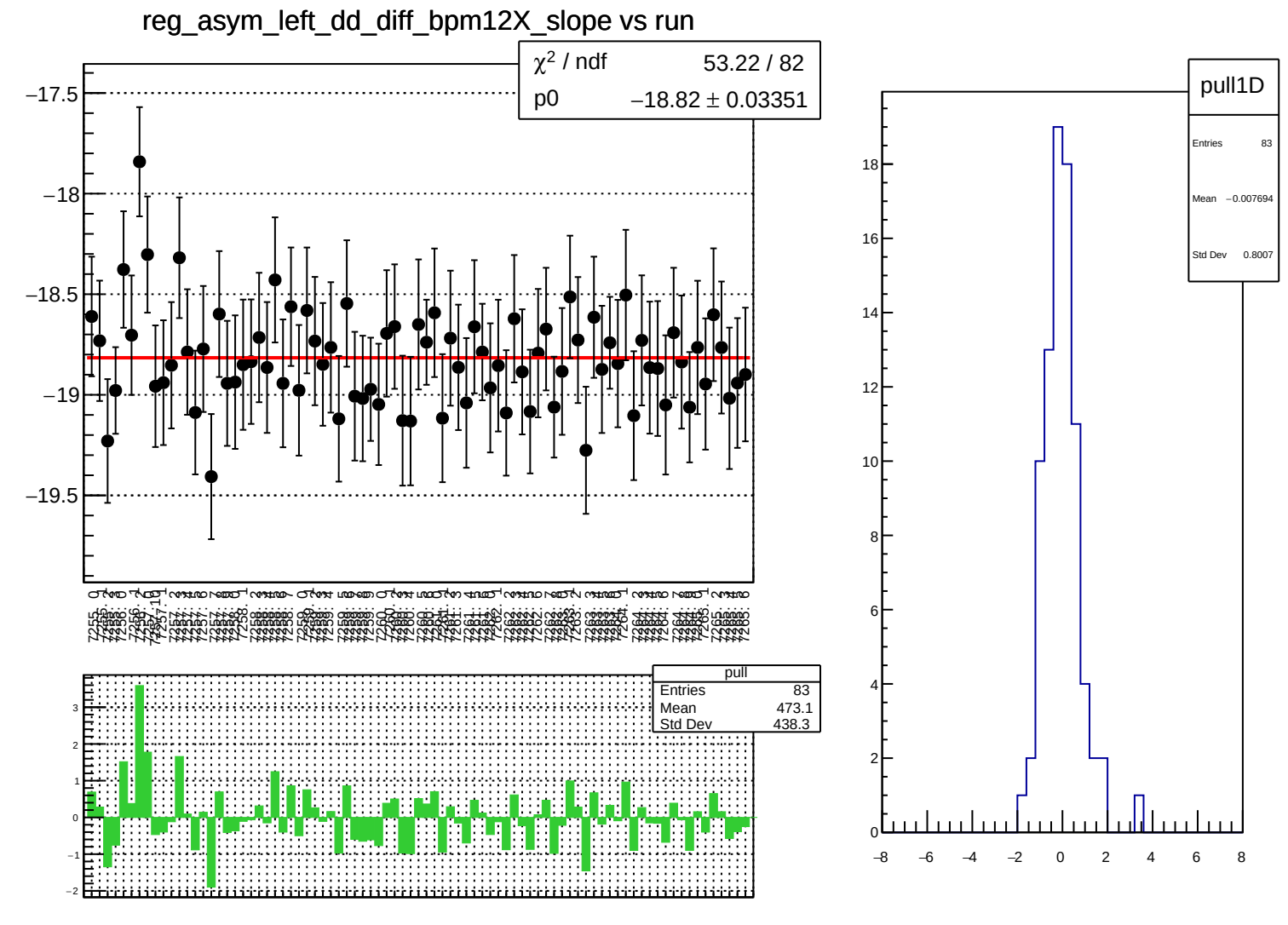

pull1D
Entries 83
Mean −0.01668
Std Dev 0.6238

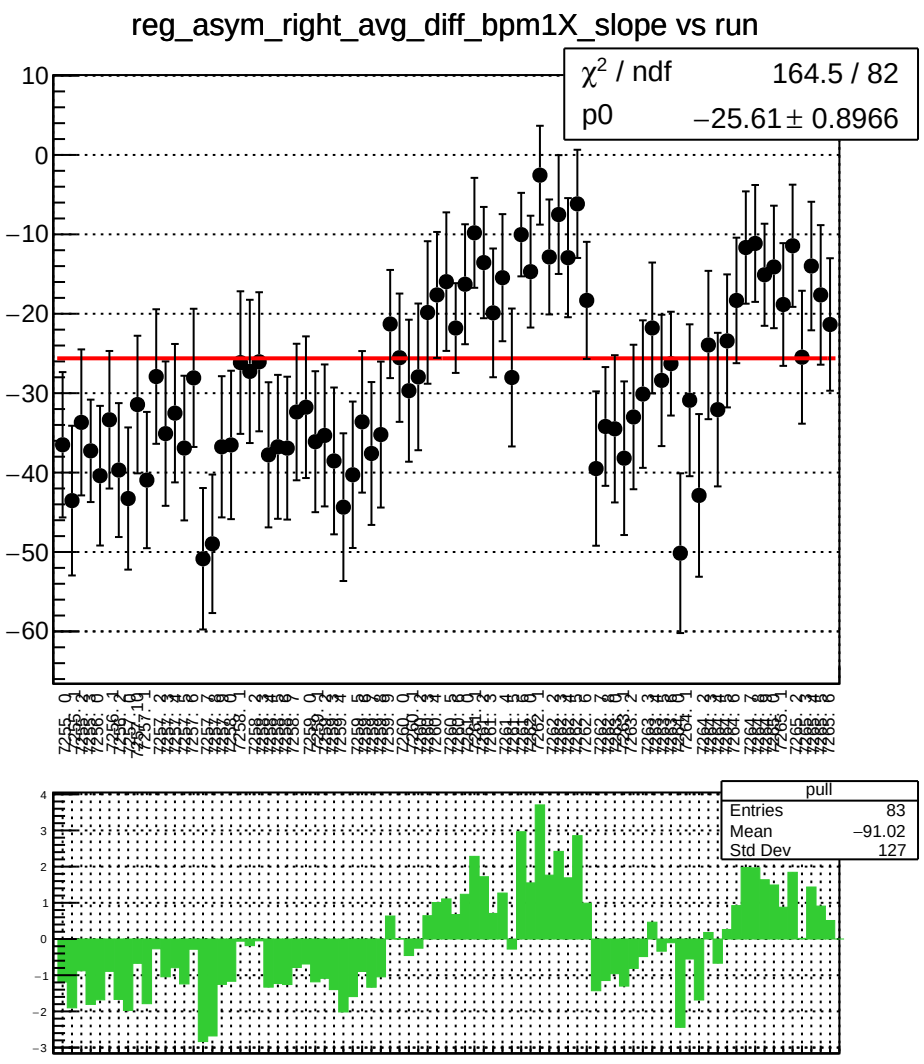

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.9 / 82
p0 1.723 ± 0.7533
pull
Entries 83
Mean 302.5
Std Dev 254.2
pull1D
Entries 83
Mean −0.01106
Std Dev 0.5585

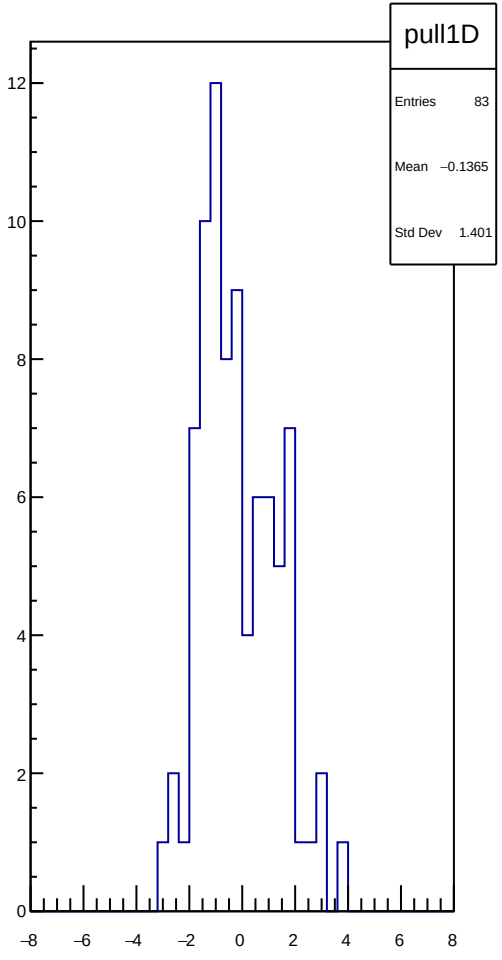

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.79 / 82
p0 6.591 ± 0.9234
pull
Entries 83
Mean −20.02
Std Dev 22.79

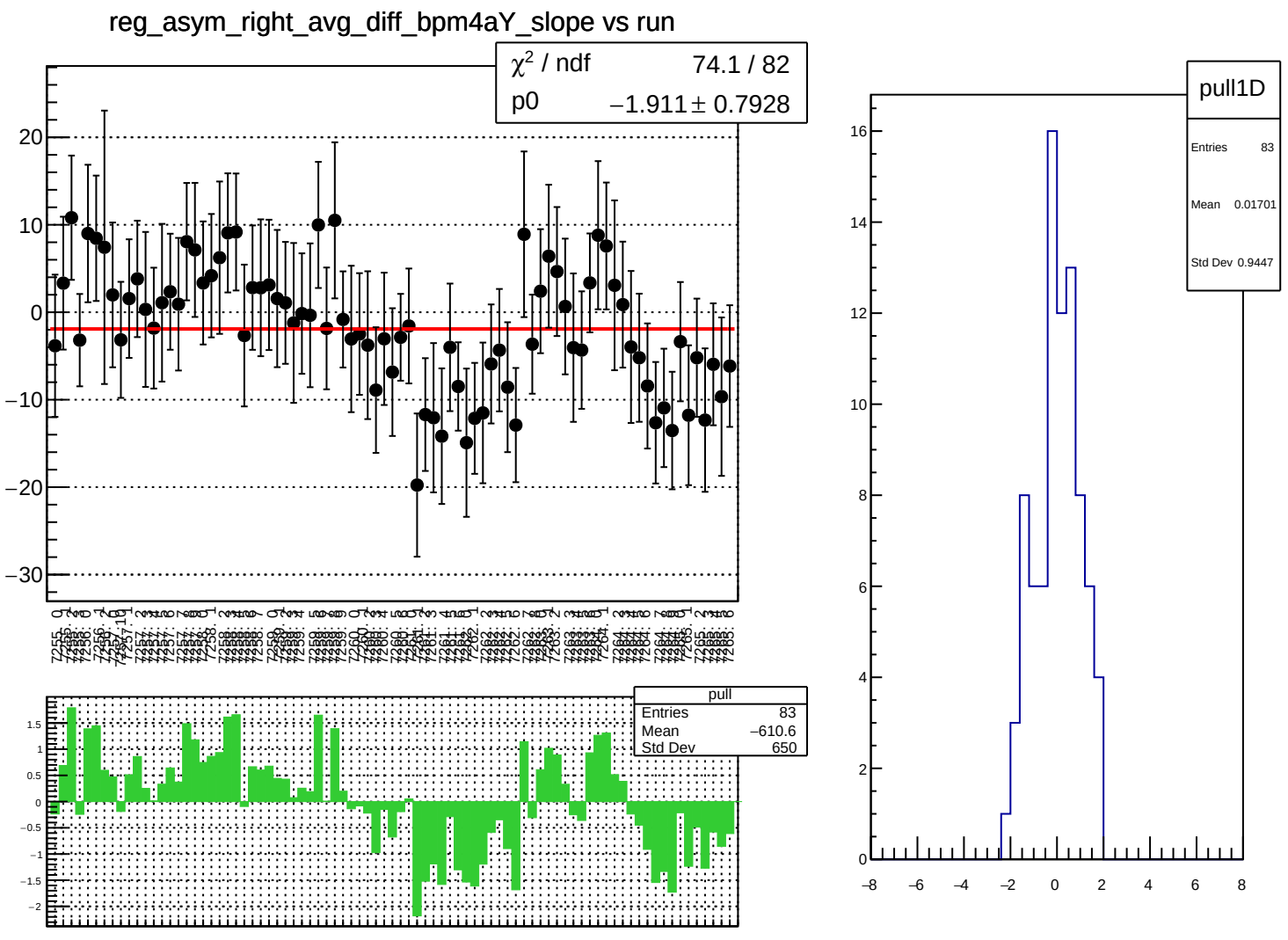

pull1D
Entries 83
Mean 0.01812
Std Dev 0.6283

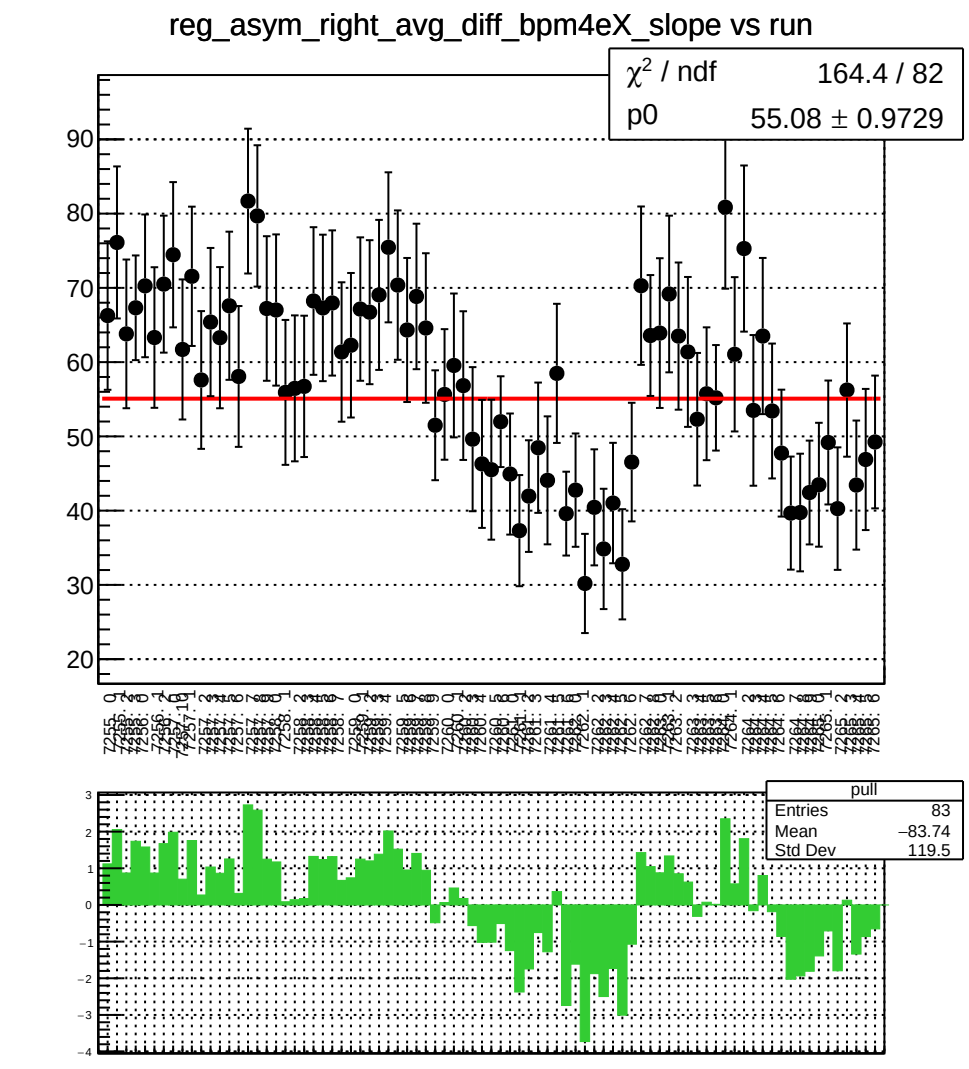

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.08 / 82
p0 8.649 ± 0.7937
pull
Entries 83
Mean 544.3
Std Dev 500.8
pull1D
Entries 83
Mean 0.007639
Std Dev 0.5711

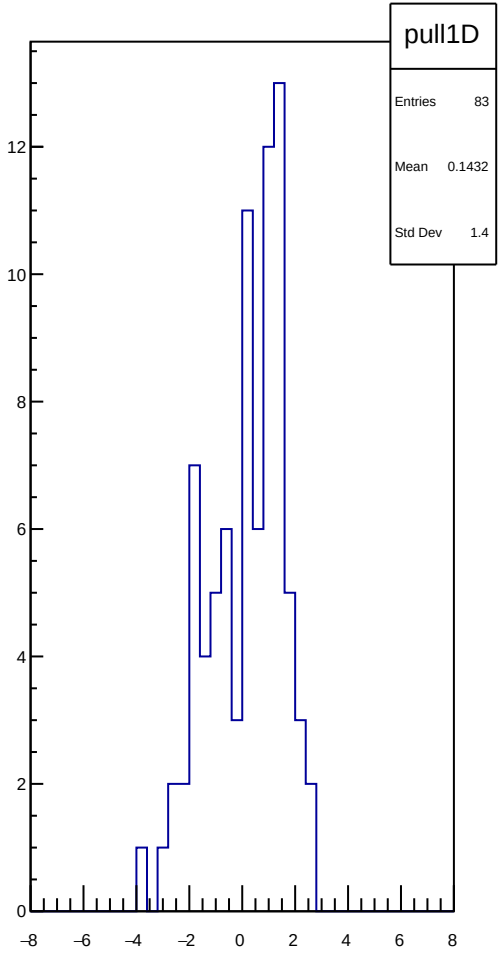

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 53.22 / 82
p0 −18.82 ± 0.03351
−17.5
−18
−18.5
−19
−19.5
pull
Entries 83
Mean 473.1
Std Dev 438.3
pull1D
Entries 83
Mean −0.007694
Std Dev 0.8007

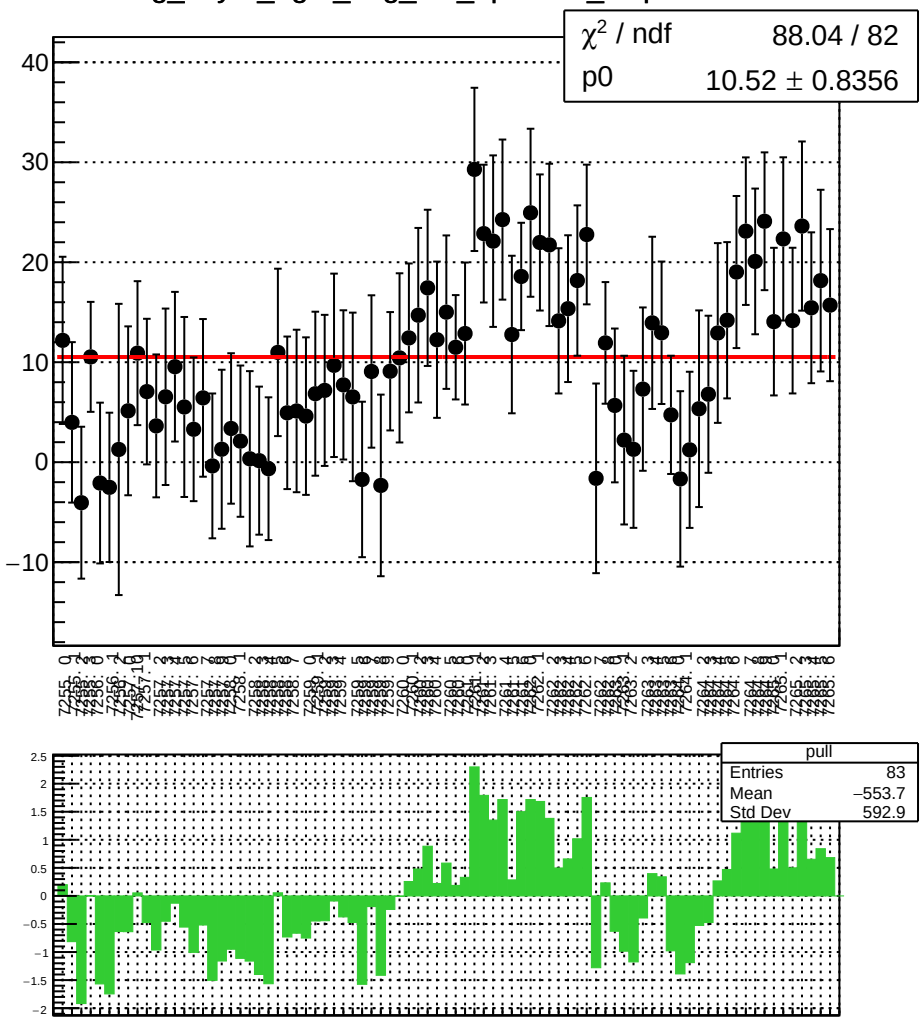

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 164.5 / 82
p0 −25.61 ± 0.8966
pull
Entries 83
Mean −91.02
Std Dev 127

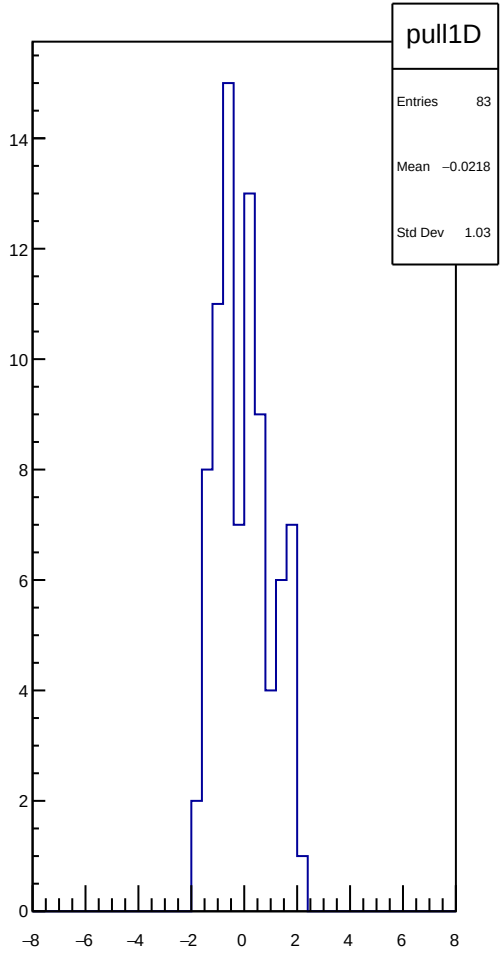

pull1D
Entries 83
Mean −0.1365
Std Dev 1.401

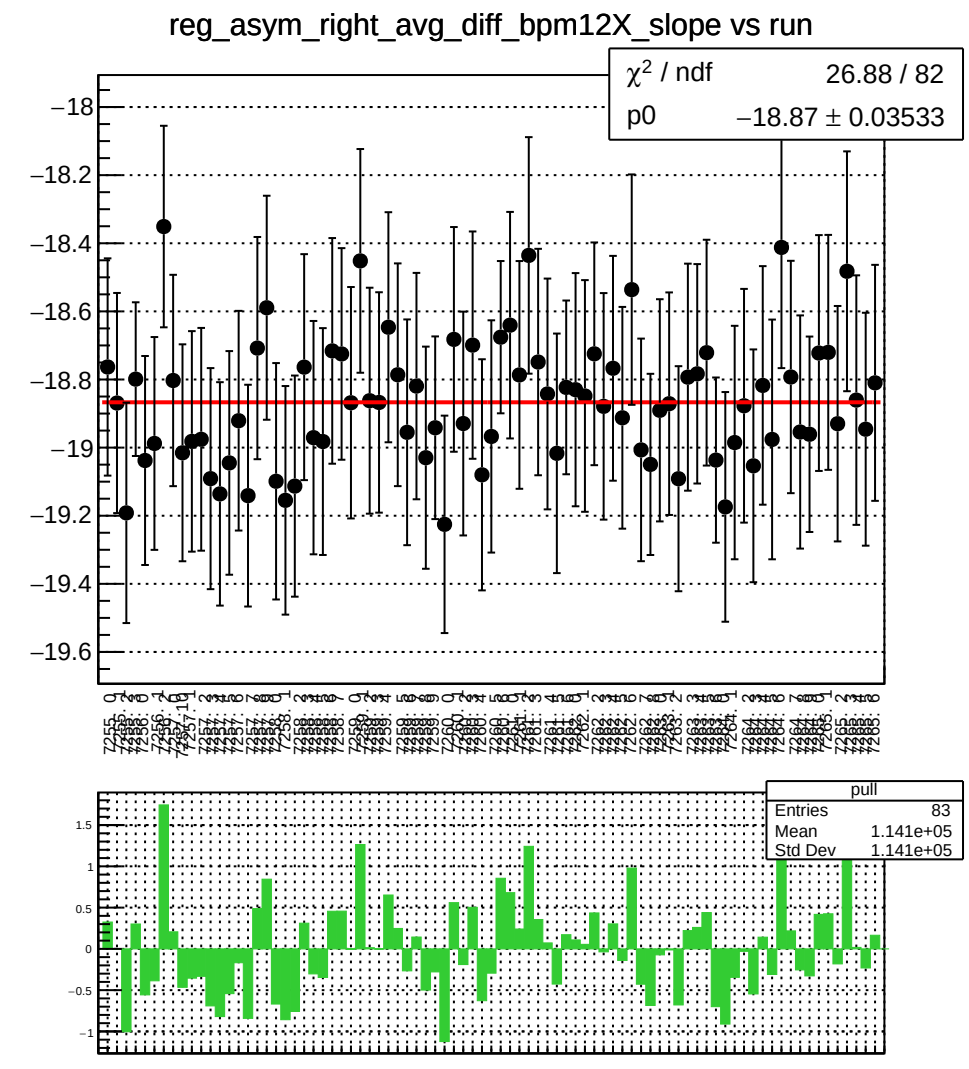

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.1 / 82
p0 −1.911 ± 0.7928
pull
Entries 83
Mean −610.6
Std Dev 650
pull1D
Entries 83
Mean 0.01701
Std Dev 0.9447

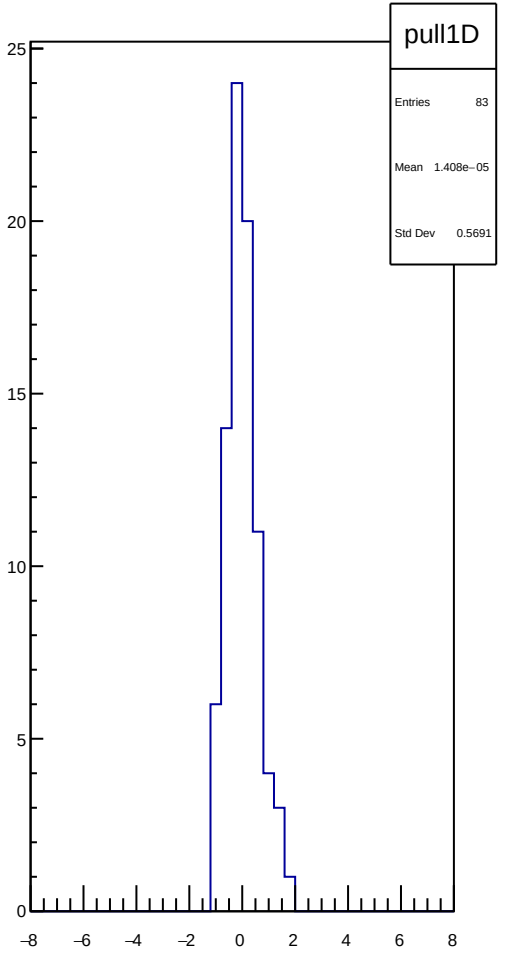

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 164.4 / 82
p0 55.08 ± 0.9729
pull
Entries 83
Mean −83.74
Std Dev 119.5

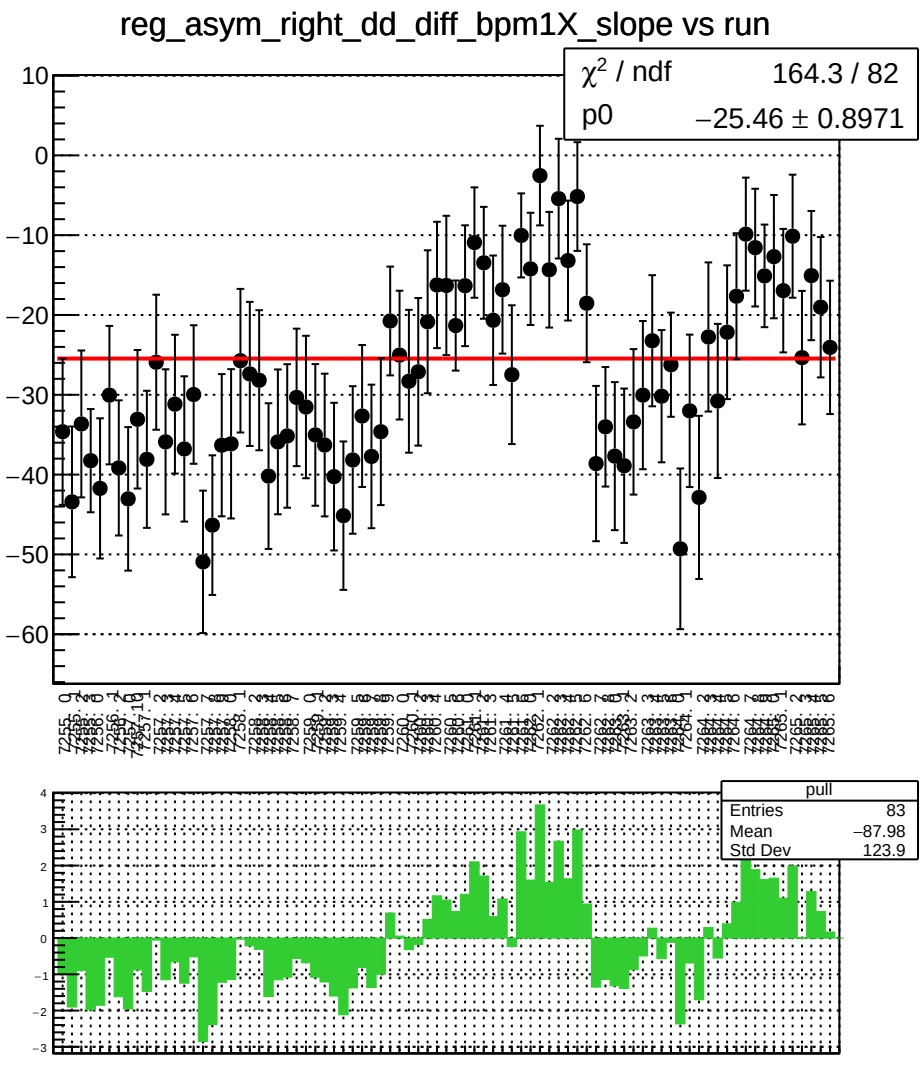

pull1D
Entries 83
Mean 0.1432
Std Dev 1.4

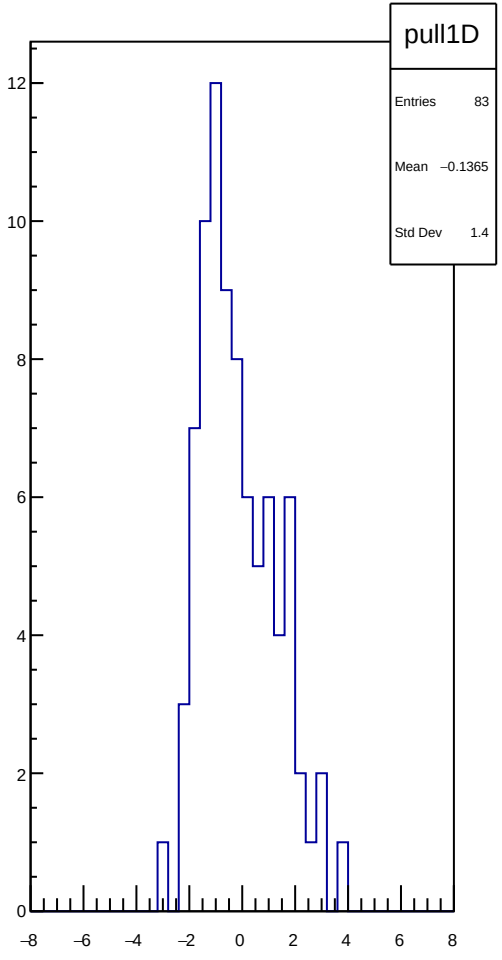

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 88.04 / 82
p0 10.52 ± 0.8356
pull
Entries 83
Mean −553.7
Std Dev 592.9

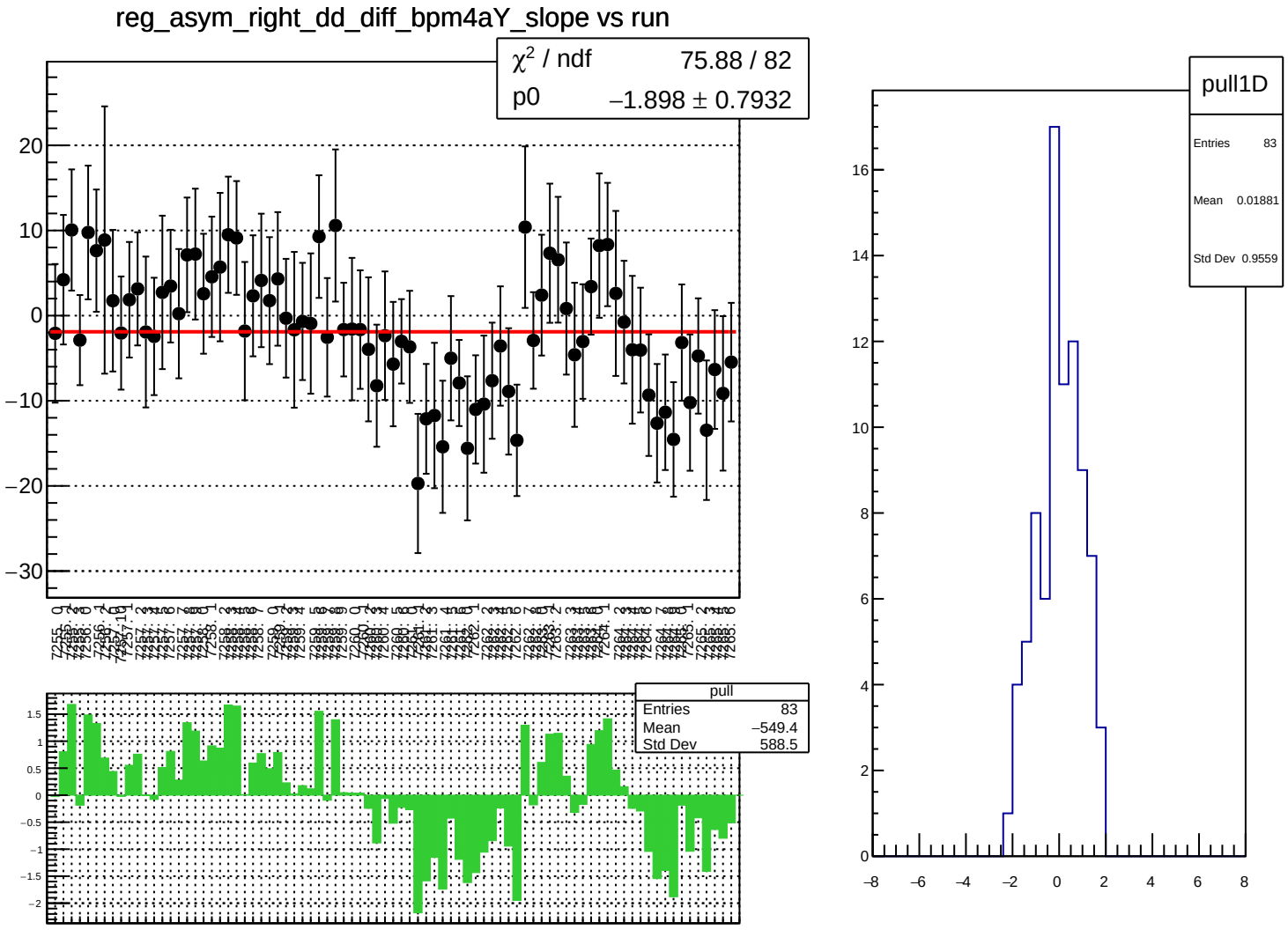

pull1D
Entries 83
Mean −0.0218
Std Dev 1.03

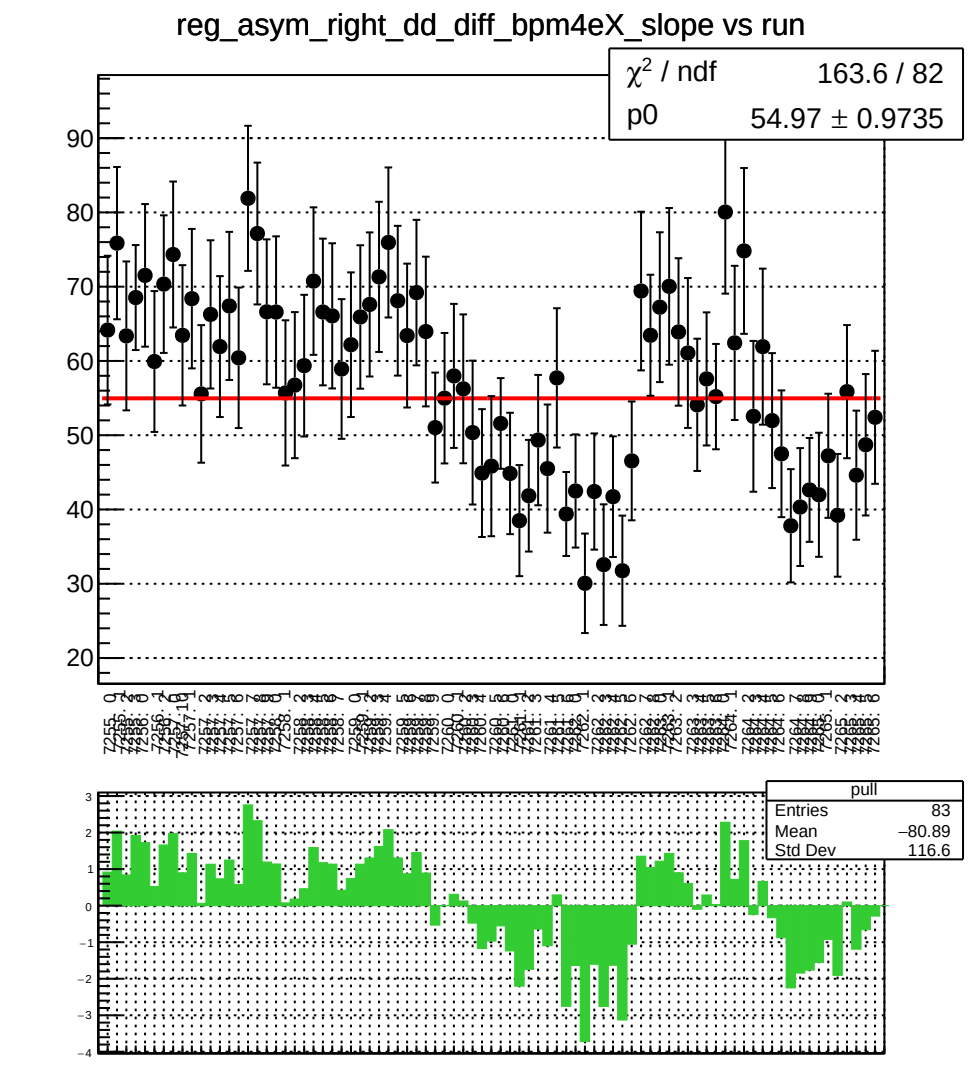

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 26.88 / 82
p0 −18.87 ± 0.03533
−18
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
pull
Entries 83
Mean 1.141e+05
Std Dev 1.141e+05
1.5
1
0.5
0
−0.5
−1

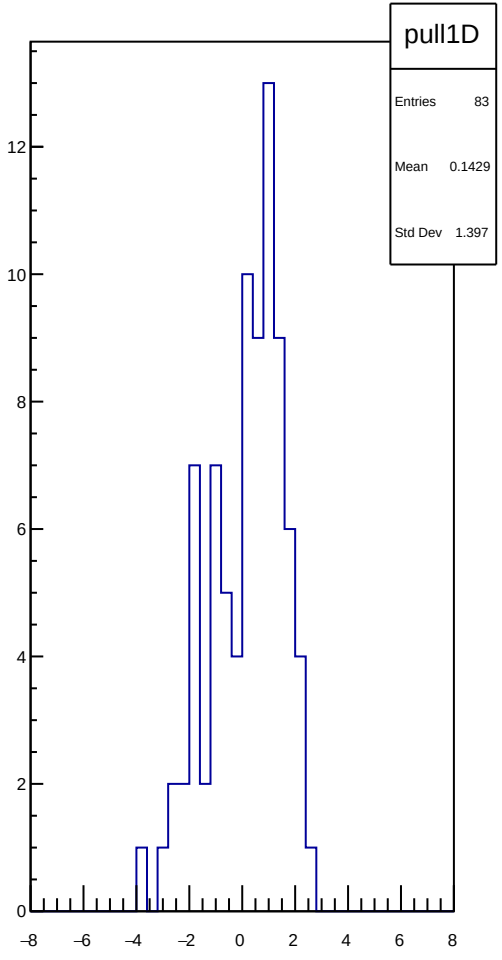

pull1D
Entries 83
Mean 1.408e−05
Std Dev 0.5691
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

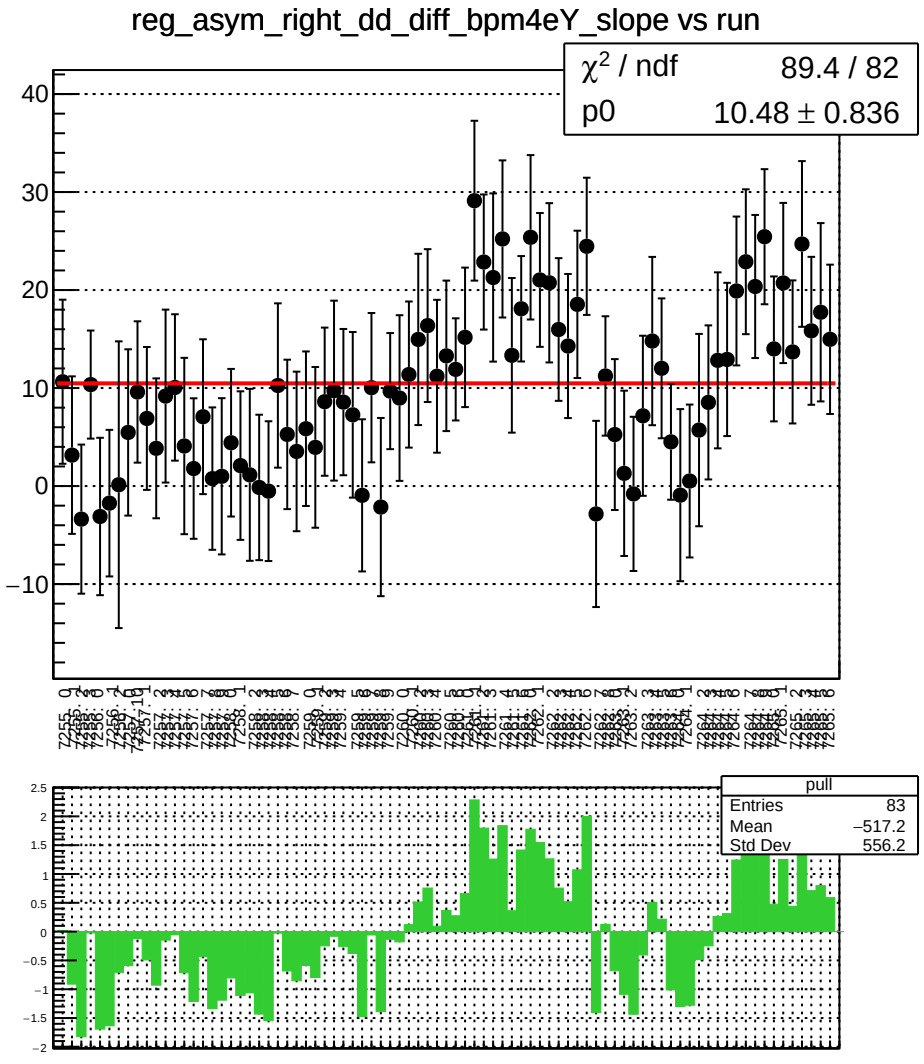

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 164.3 / 82
p0 −25.46 ± 0.8971
pull
Entries 83
Mean −87.98
Std Dev 123.9

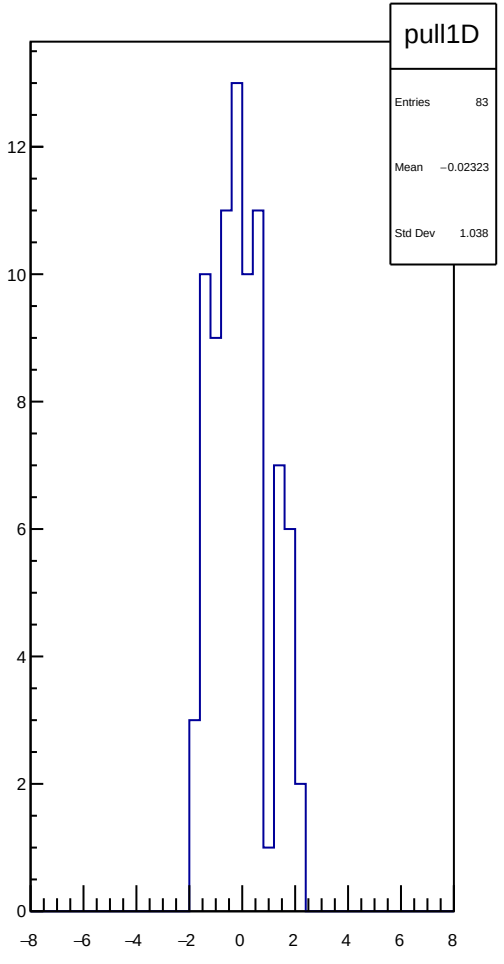

pull1D
Entries 83
Mean −0.1365
Std Dev 1.4

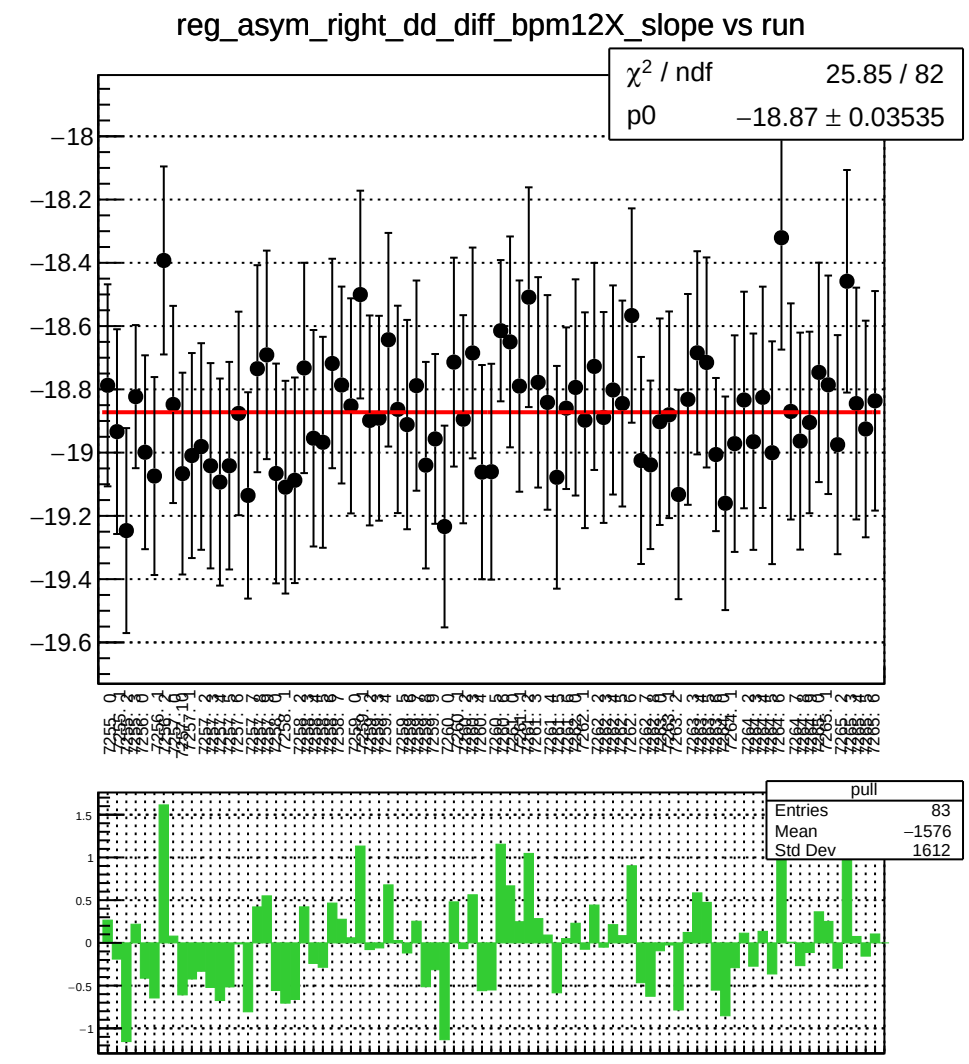

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.88 / 82
p0 −1.898 ± 0.7932
pull
Entries 83
Mean −549.4
Std Dev 588.5
pull1D
Entries 83
Mean 0.01881
Std Dev 0.9559

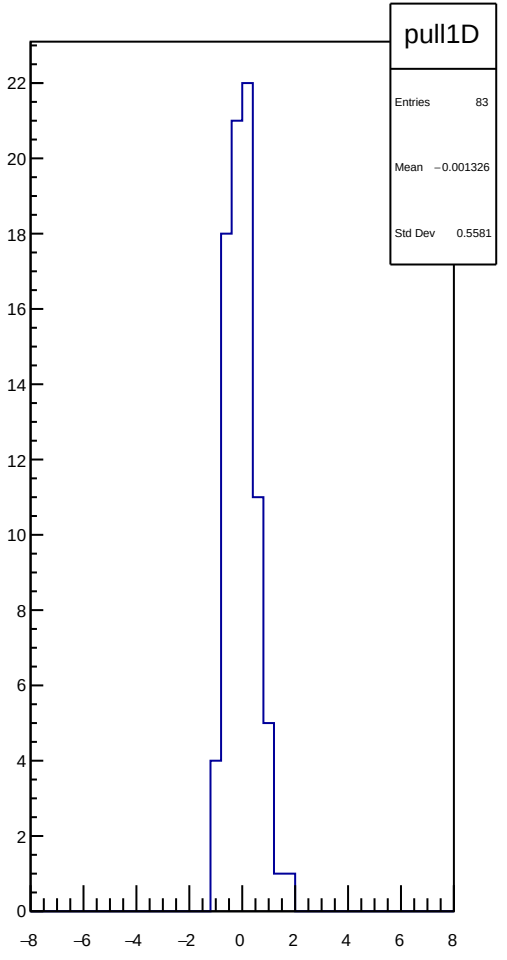

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 163.6 / 82
p0 54.97 ± 0.9735
pull
Entries 83
Mean −80.89
Std Dev 116.6

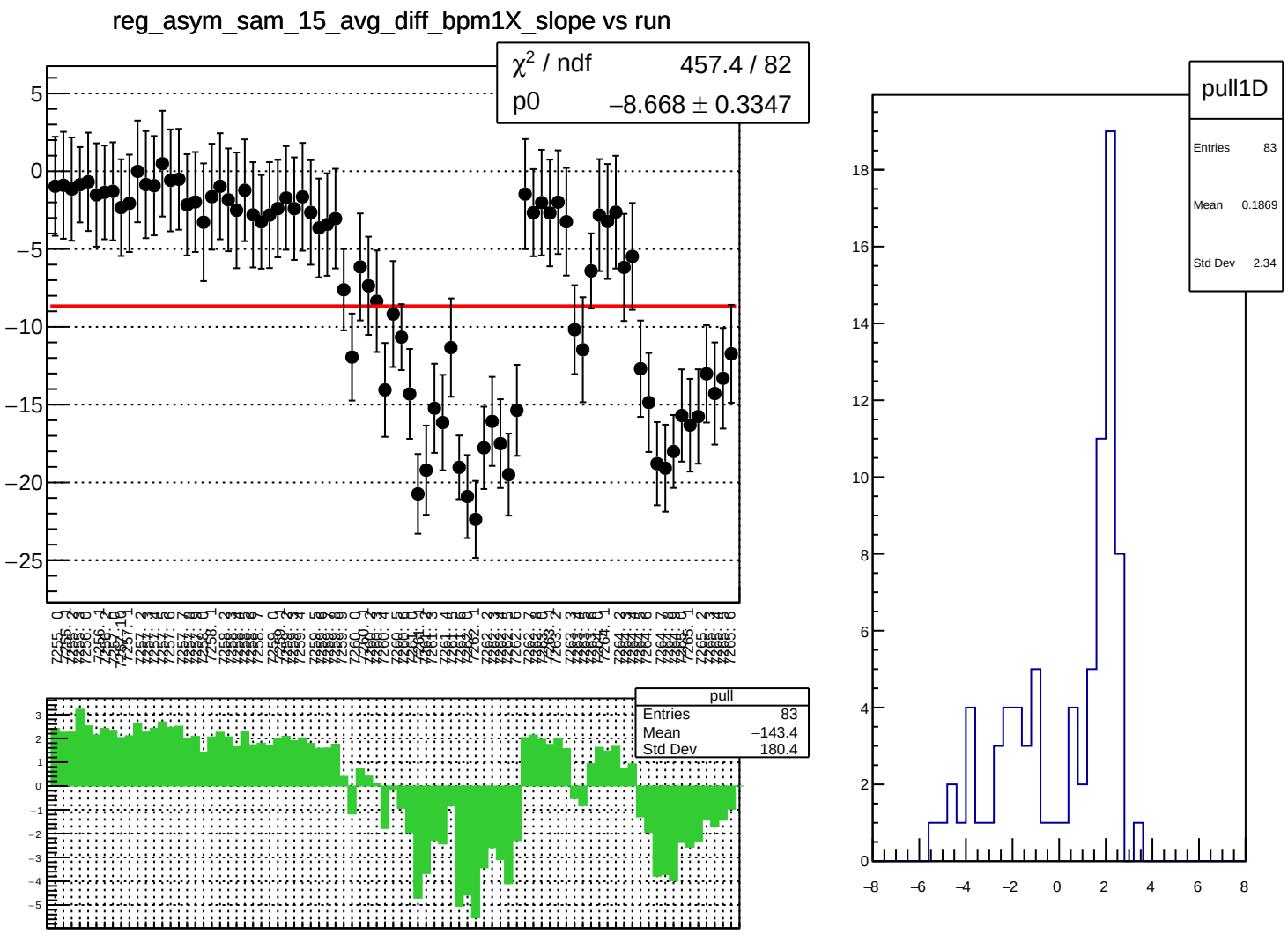

pull1D
Entries 83
Mean 0.1429
Std Dev 1.397

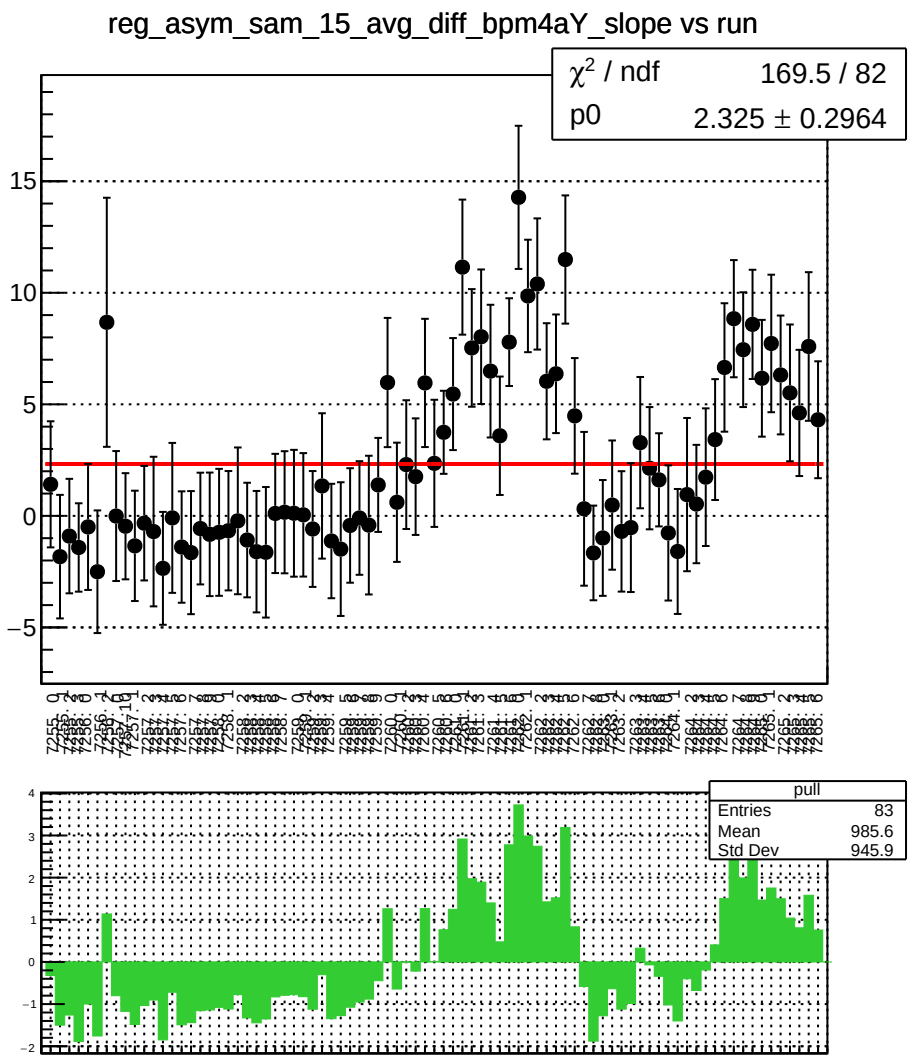

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.4 / 82
p0 10.48 ± 0.836
pull
Entries 83
Mean −517.2
Std Dev 556.2

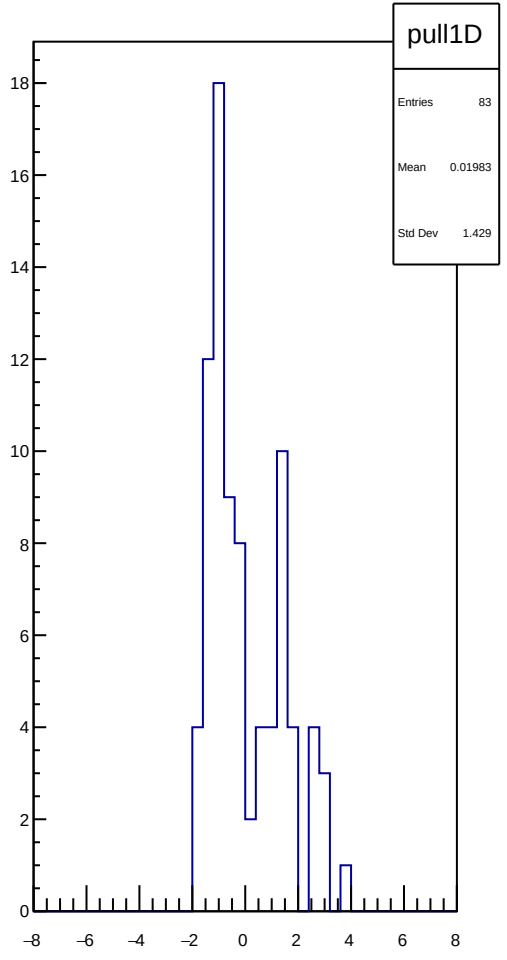

pull1D
Entries 83
Mean −0.02323
Std Dev 1.038

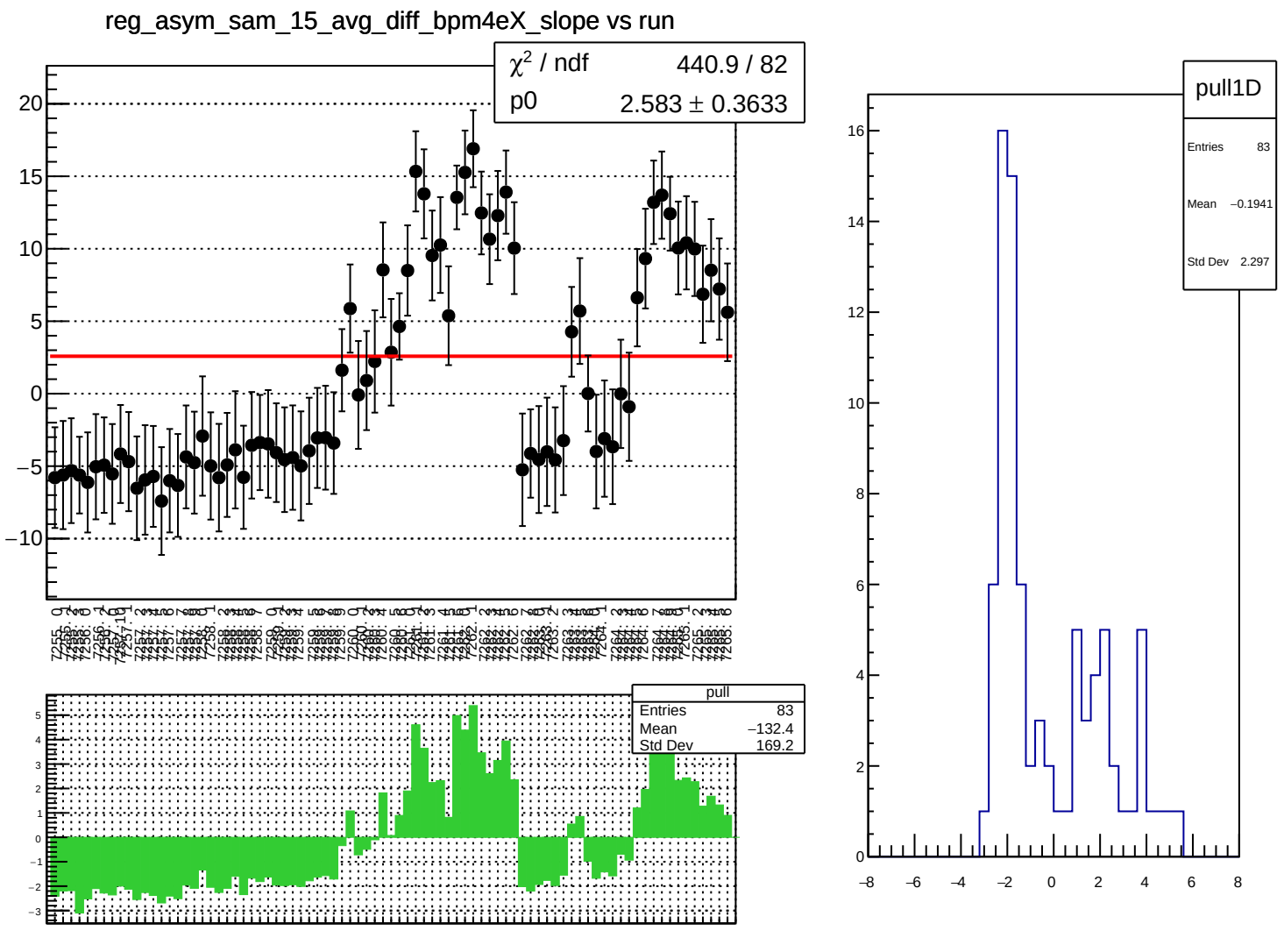

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 25.85 / 82
p0 −18.87 ± 0.03535
−18
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
pull
Entries 83
Mean −1576
Std Dev 1612
1.5
1
0.5
0
−0.5
−1

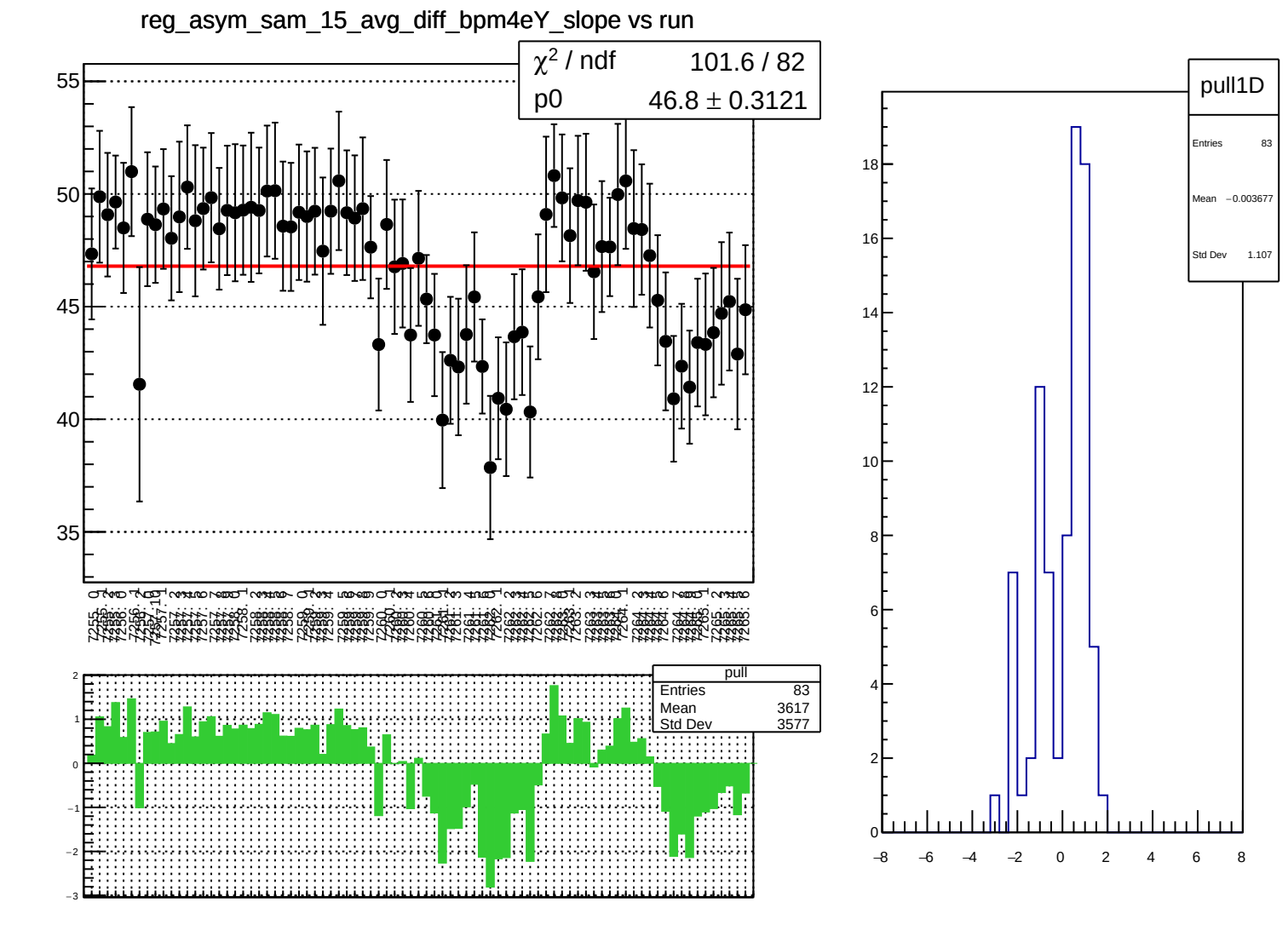

pull1D
Entries 83
Mean −0.001326
Std Dev 0.5581
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

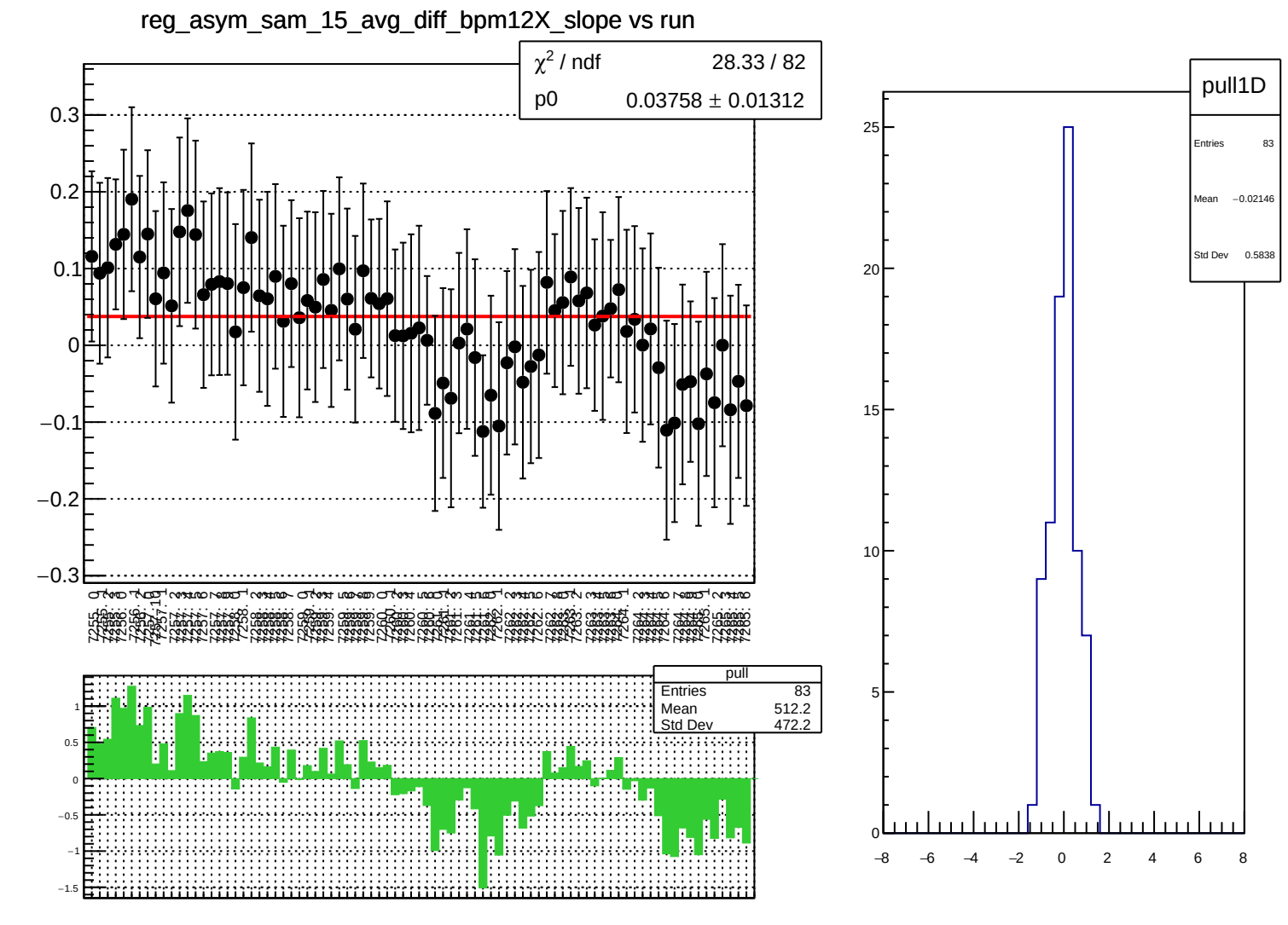

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 457.4 / 82
p0 −8.668 ± 0.3347
pull
Entries 83
Mean −143.4
Std Dev 180.4
pull1D
Entries 83
Mean 0.1869
Std Dev 2.34

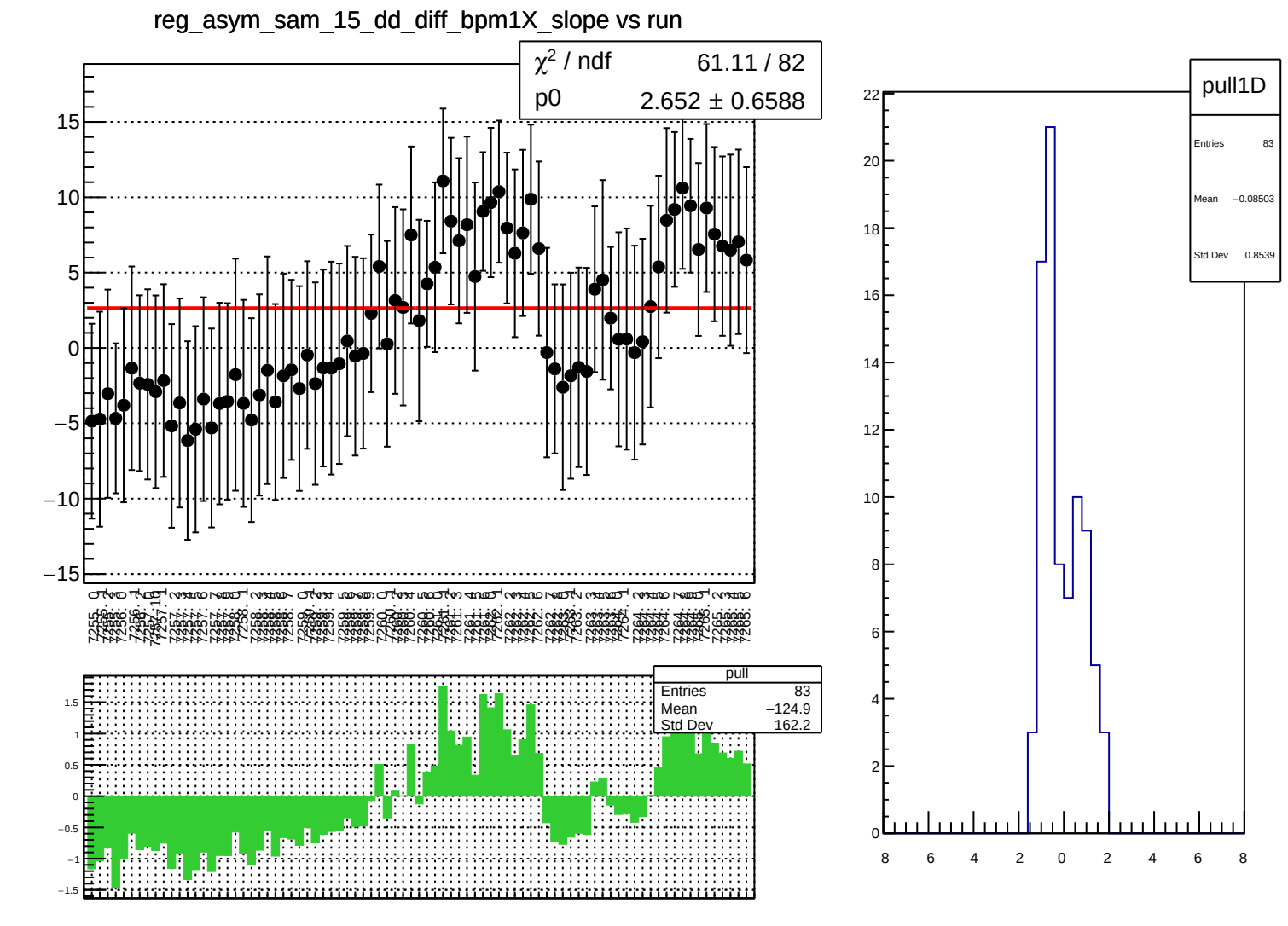

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 169.5 / 82
p0 2.325 ± 0.2964
pull
Entries 83
Mean 985.6
Std Dev 945.9

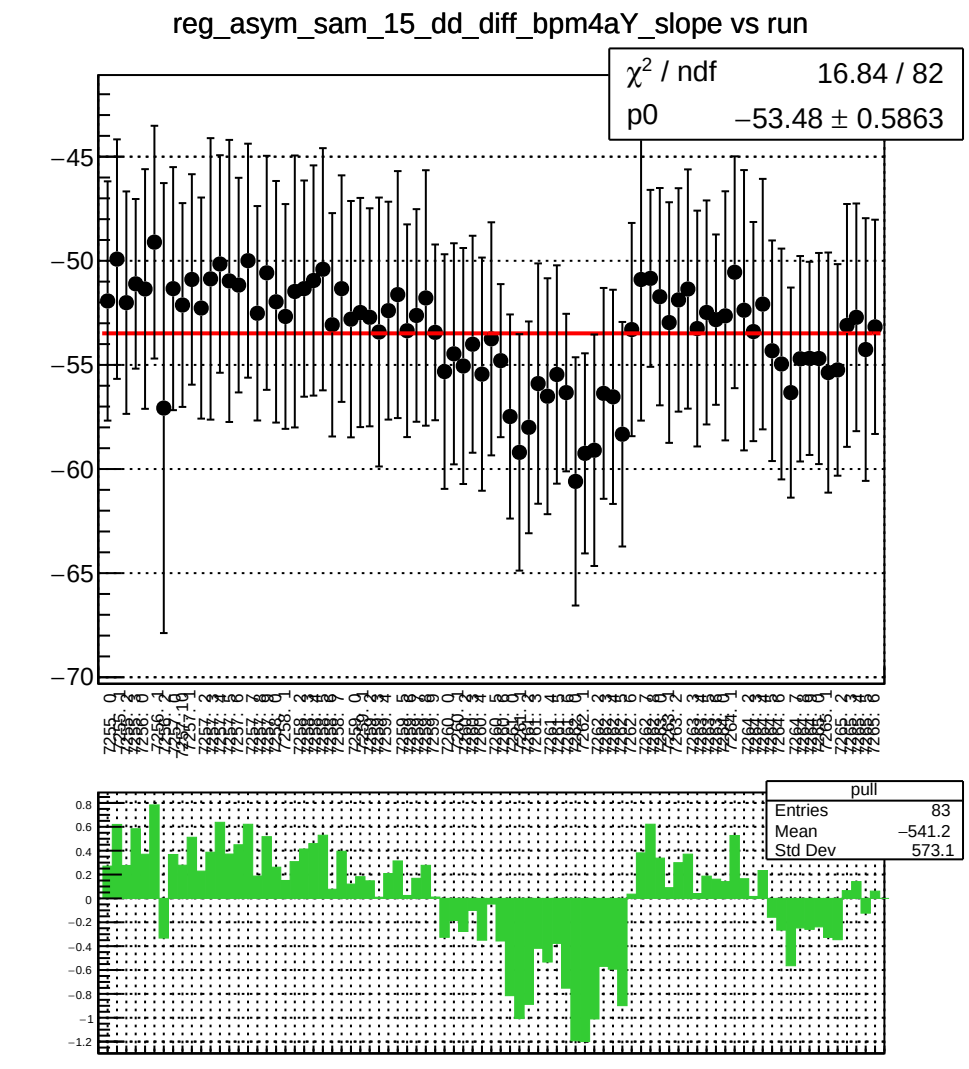

pull1D
Entries 83
Mean 0.01983
Std Dev 1.429

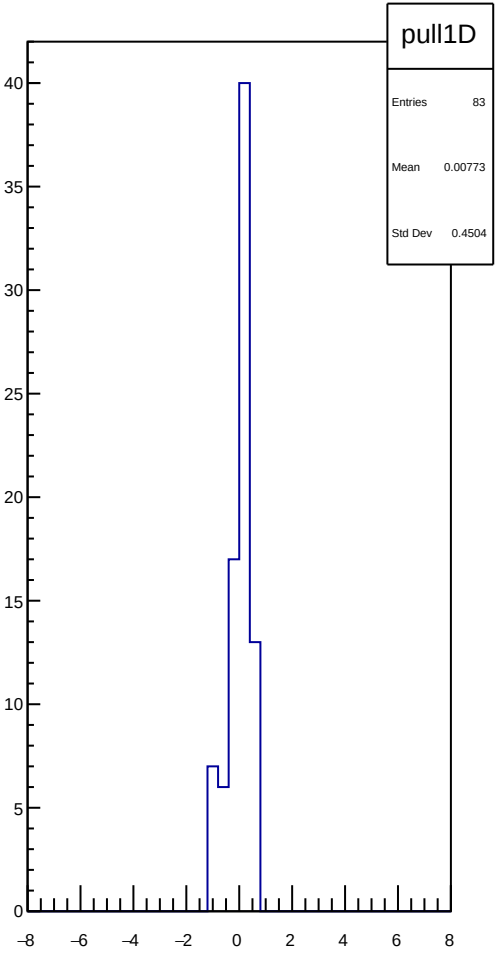

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 440.9 / 82
p0 2.583 ± 0.3633
pull
Entries 83
Mean −132.4
Std Dev 169.2
pull1D
Entries 83
Mean −0.1941
Std Dev 2.297

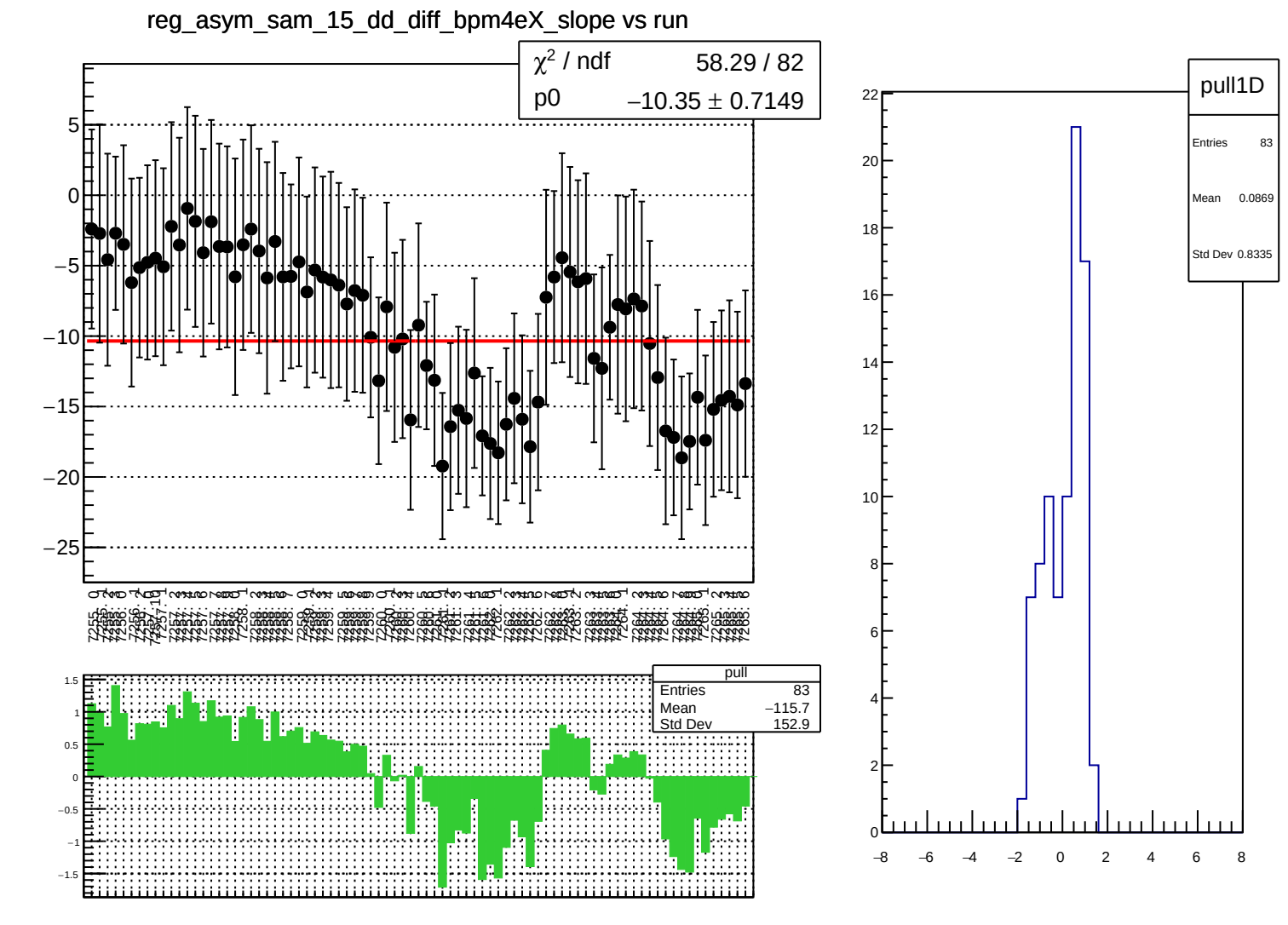

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 101.6 / 82
p0 46.8 ± 0.3121
55
50
45
40
35
pull
Entries 83
Mean 3617
Std Dev 3577
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.003677
Std Dev 1.107
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

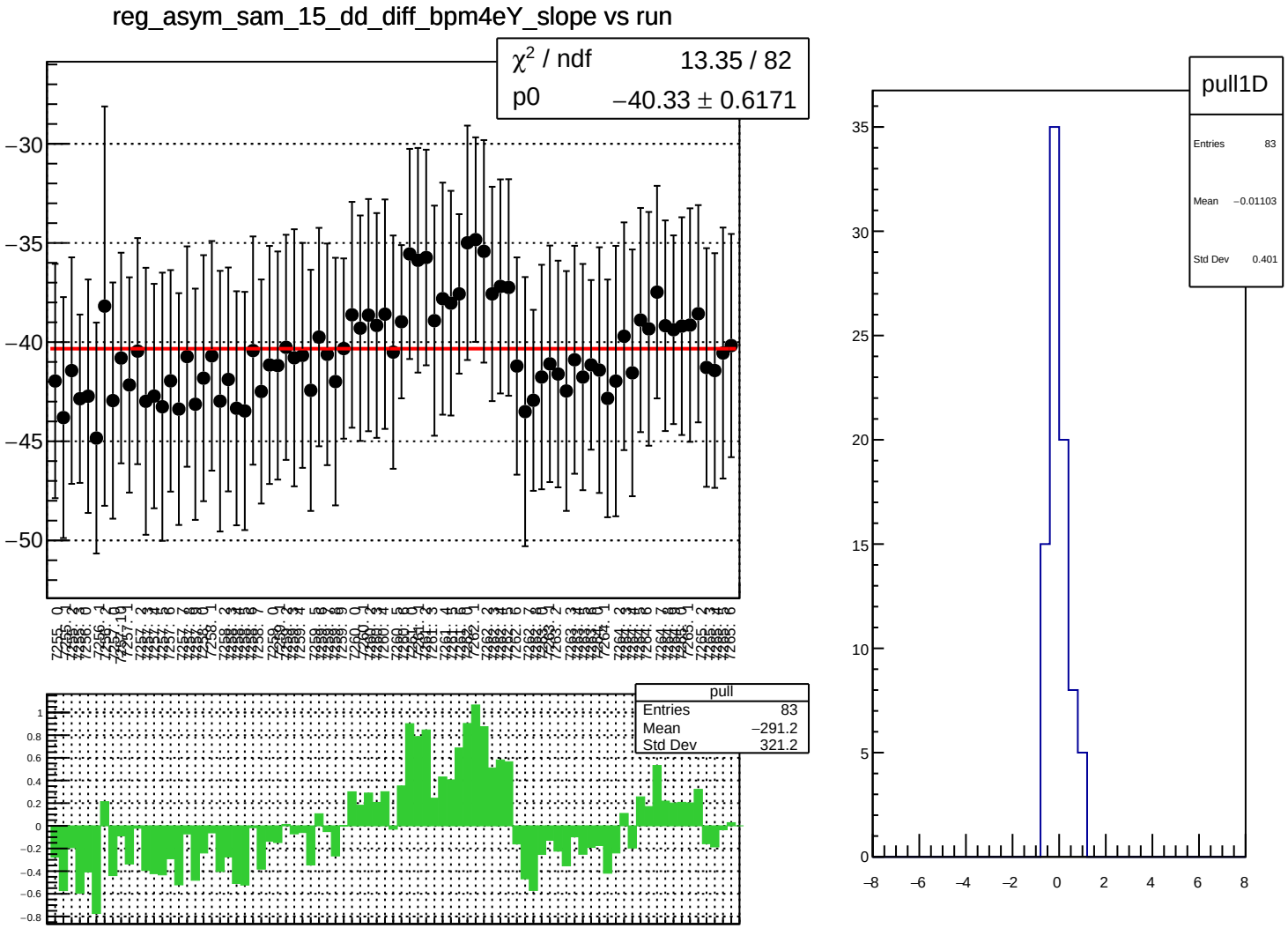

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 28.33 / 82
p0 0.03758 ± 0.01312
pull
Entries 83
Mean 512.2
Std Dev 472.2
pull1D
Entries 83
Mean −0.02146
Std Dev 0.5838

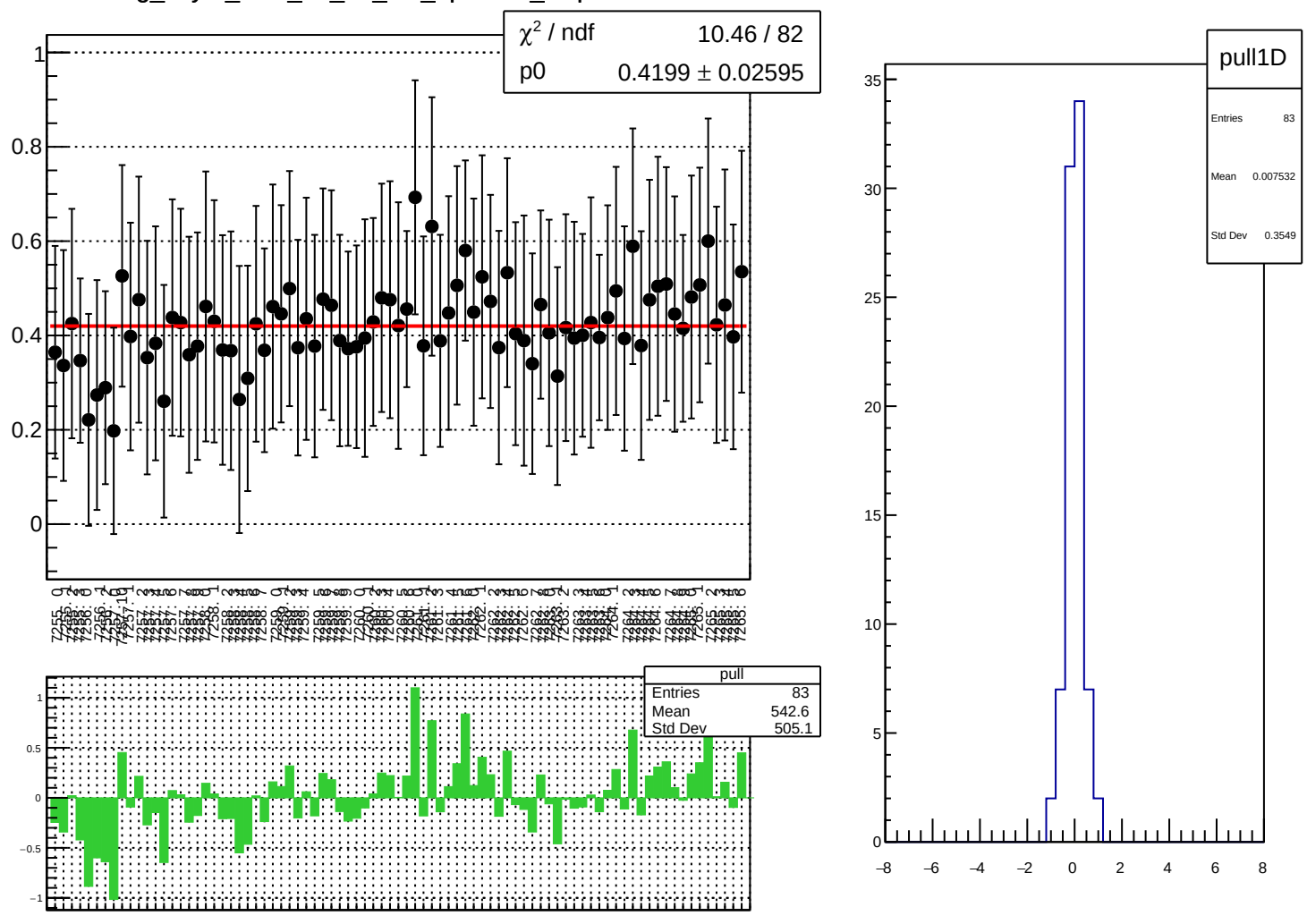

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 61.11 / 82
p0 2.652 ± 0.6588
pull
Entries 83
Mean −124.9
Std Dev 162.2
pull1D
Entries 83
Mean −0.08503
Std Dev 0.8539

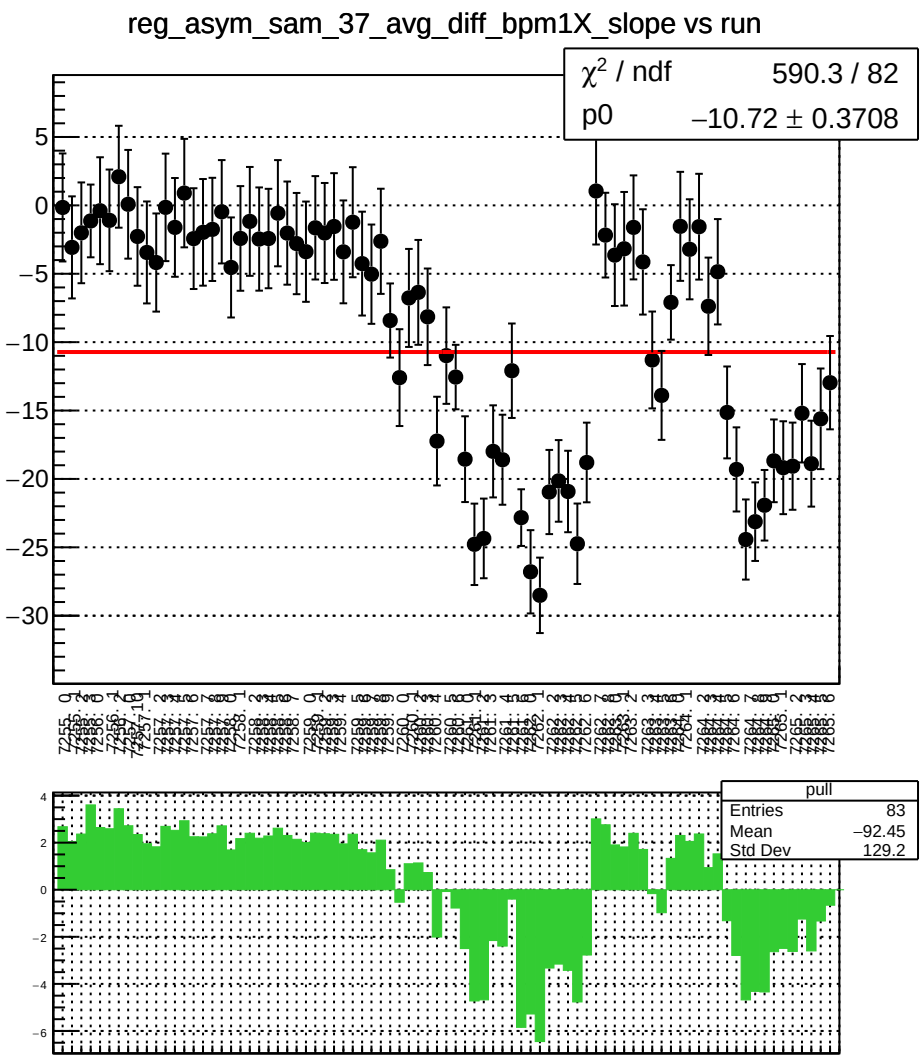

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.84 / 82
p0 −53.48 ± 0.5863
pull
Entries 83
Mean −541.2
Std Dev 573.1

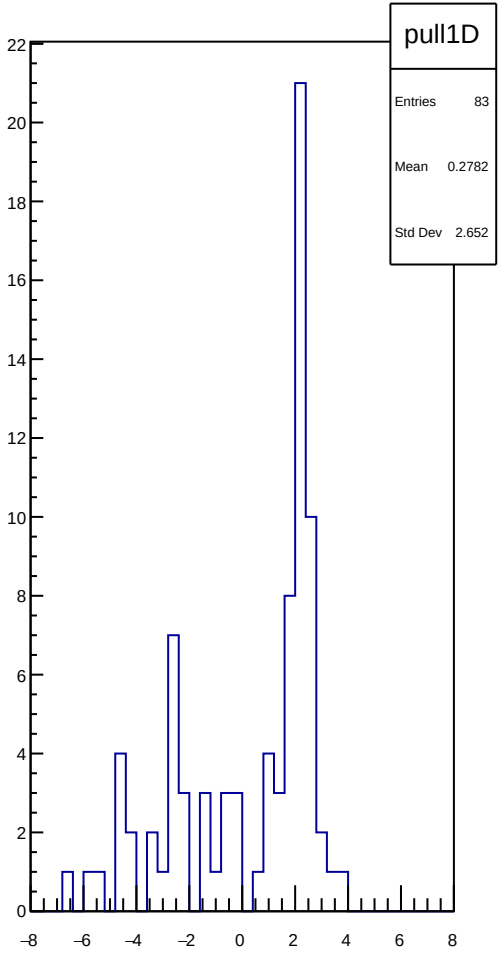

pull1D
Entries 83
Mean 0.00773
Std Dev 0.4504

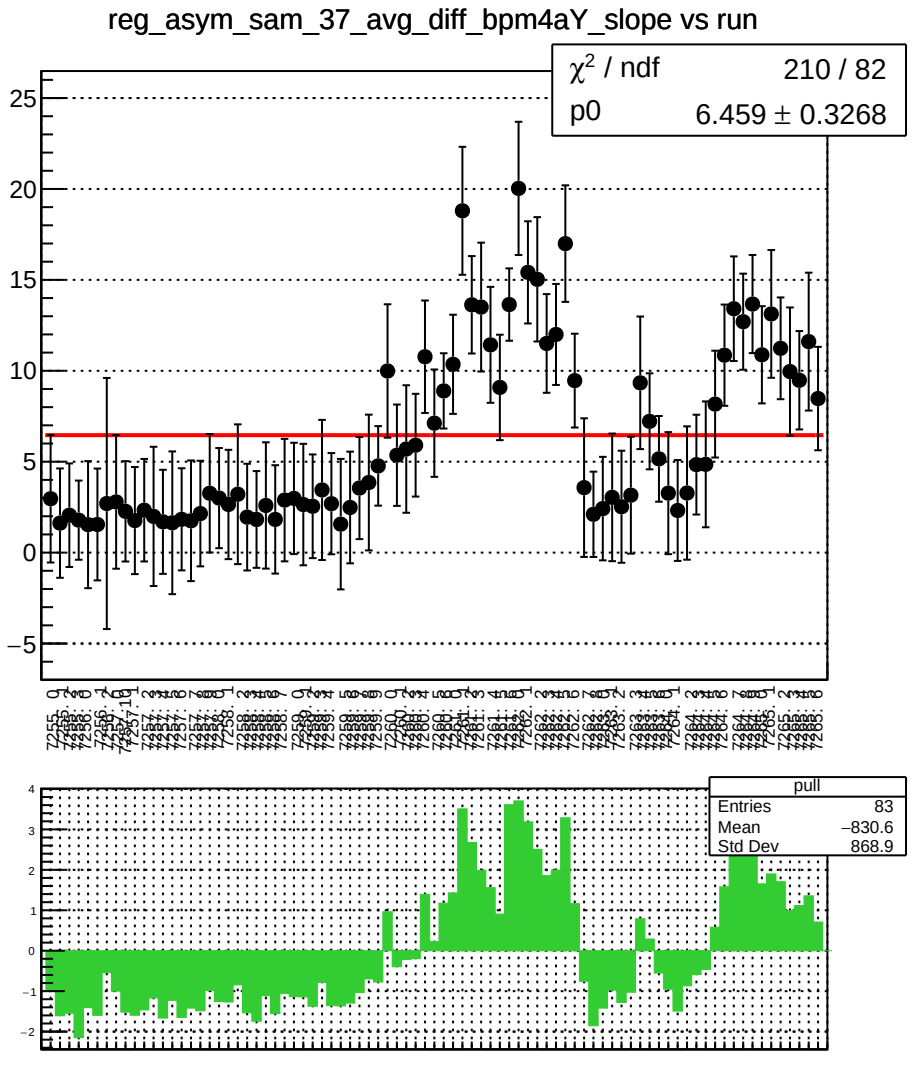

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.29 / 82
p0 −10.35 ± 0.7149
pull
Entries 83
Mean −115.7
Std Dev 152.9
pull1D
Entries 83
Mean 0.0869
Std Dev 0.8335

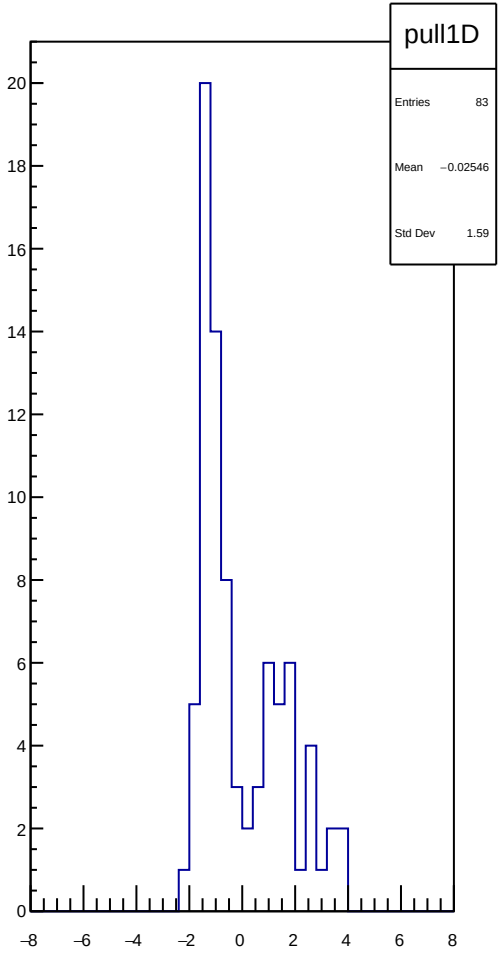

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.35 / 82
p0 −40.33 ± 0.6171
pull
Entries 83
Mean −291.2
Std Dev 321.2
pull1D
Entries 83
Mean −0.01103
Std Dev 0.401

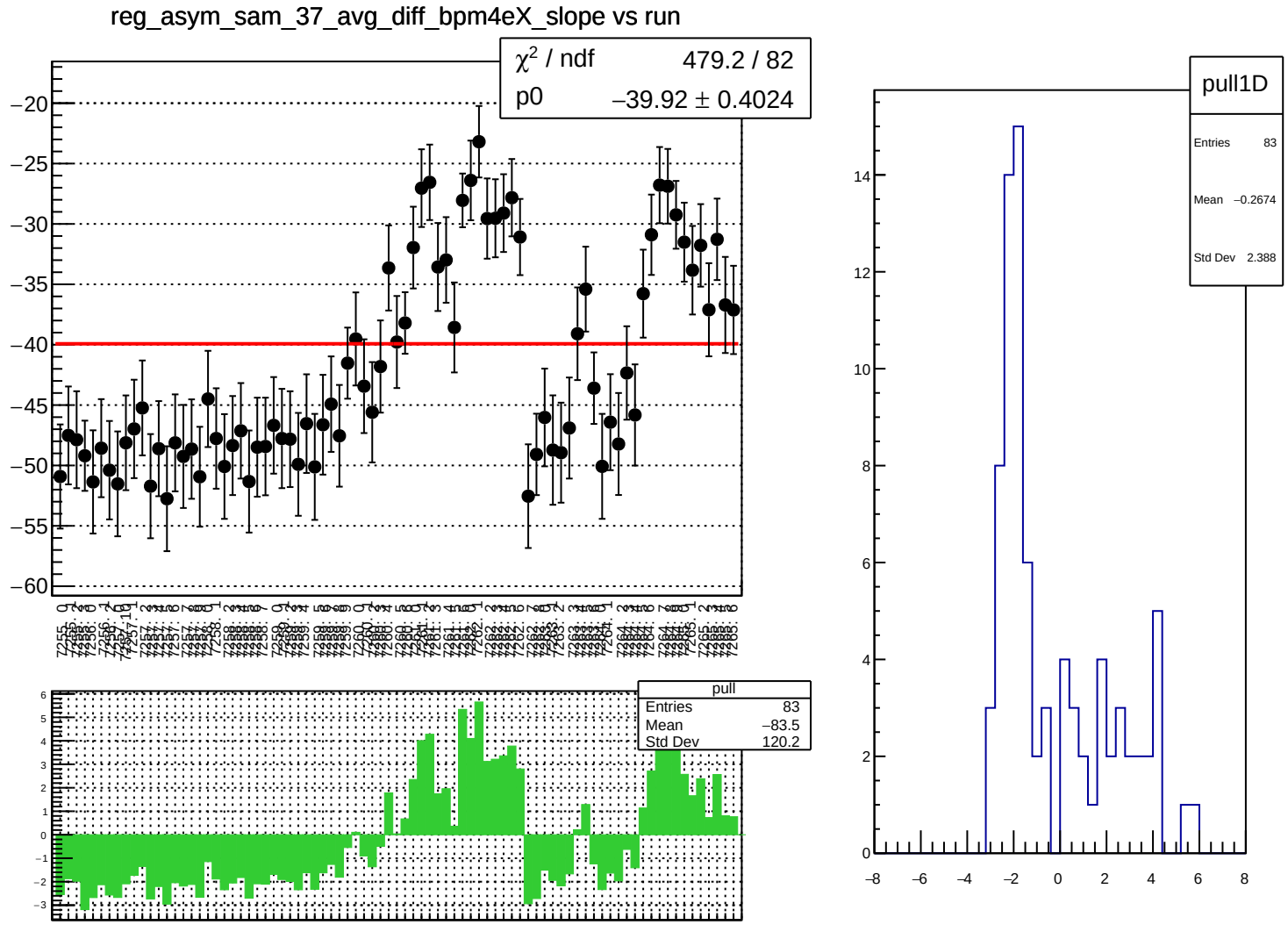

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.46 / 82
p0 0.4199 ± 0.02595
pull
Entries 83
Mean 542.6
Std Dev 505.1
pull1D
Entries 83
Mean 0.007532
Std Dev 0.3549

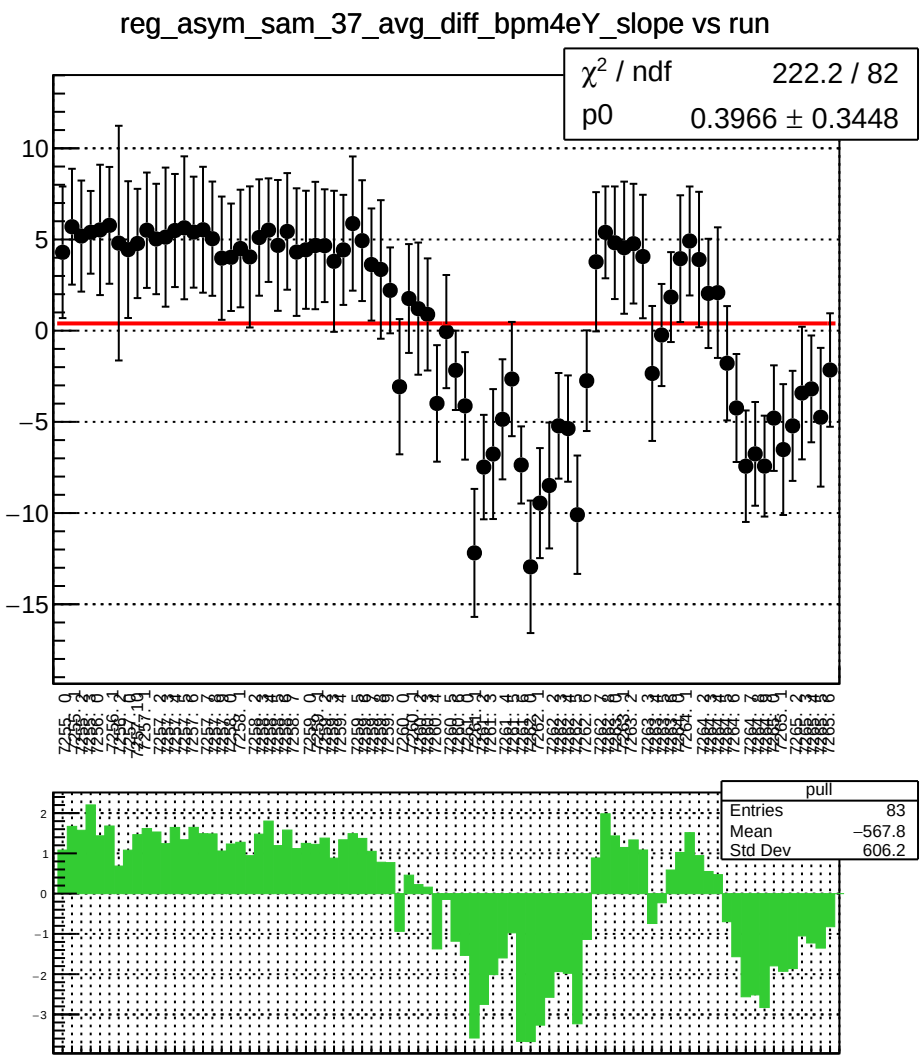

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 590.3 / 82
p0 −10.72 ± 0.3708
pull
Entries 83
Mean −92.45
Std Dev 129.2

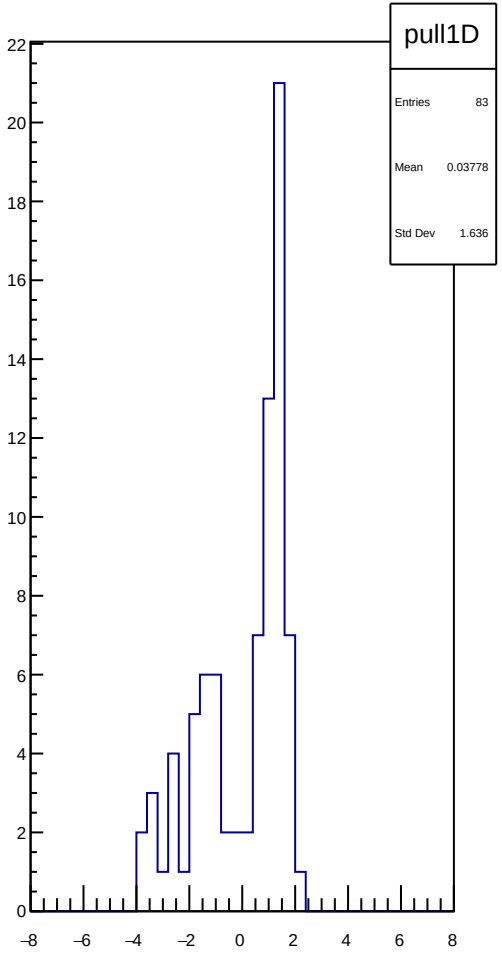

pull1D
Entries 83
Mean 0.2782
Std Dev 2.652

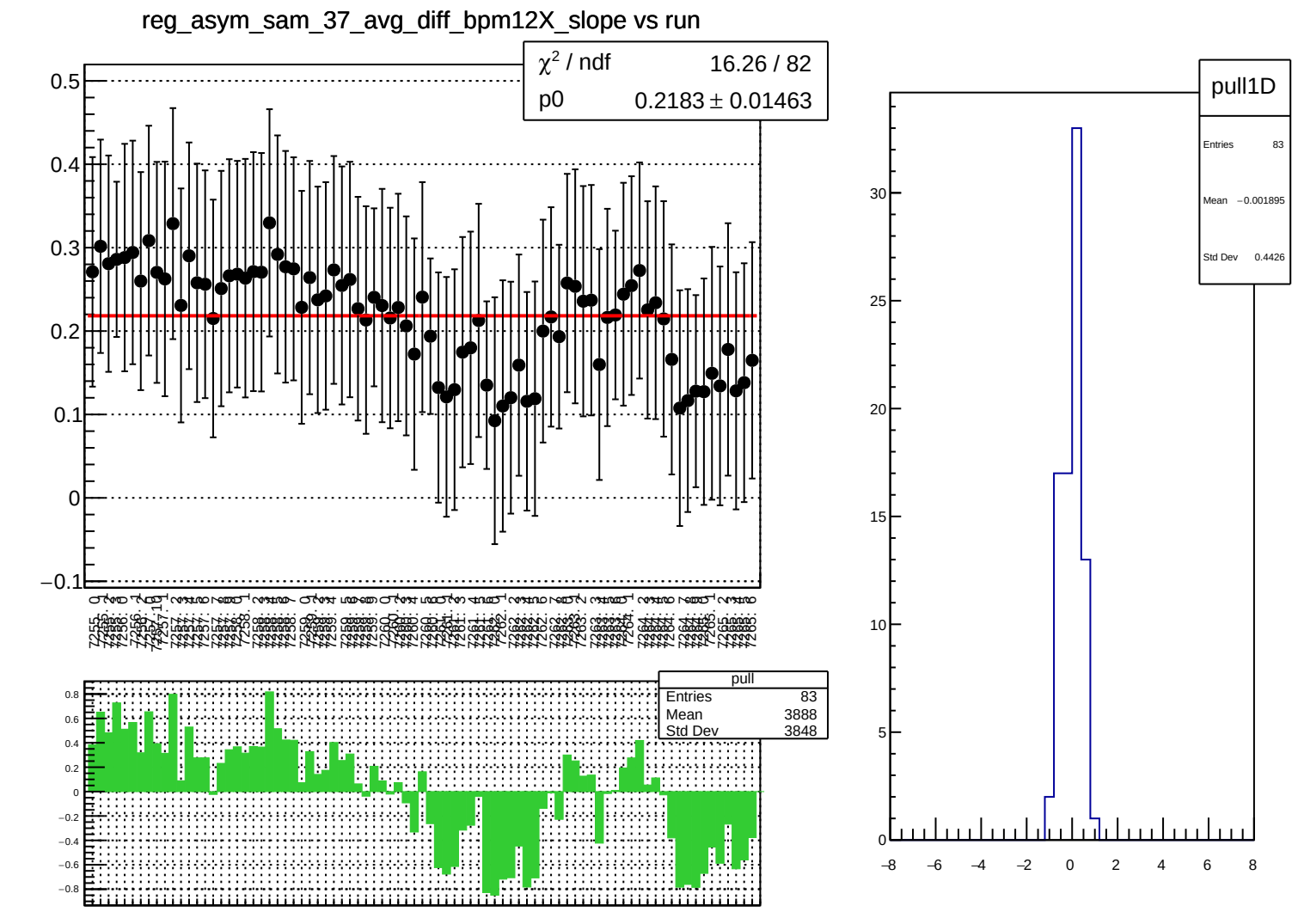

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 210 / 82
p0 6.459 ± 0.3268
pull
Entries 83
Mean −830.6
Std Dev 868.9

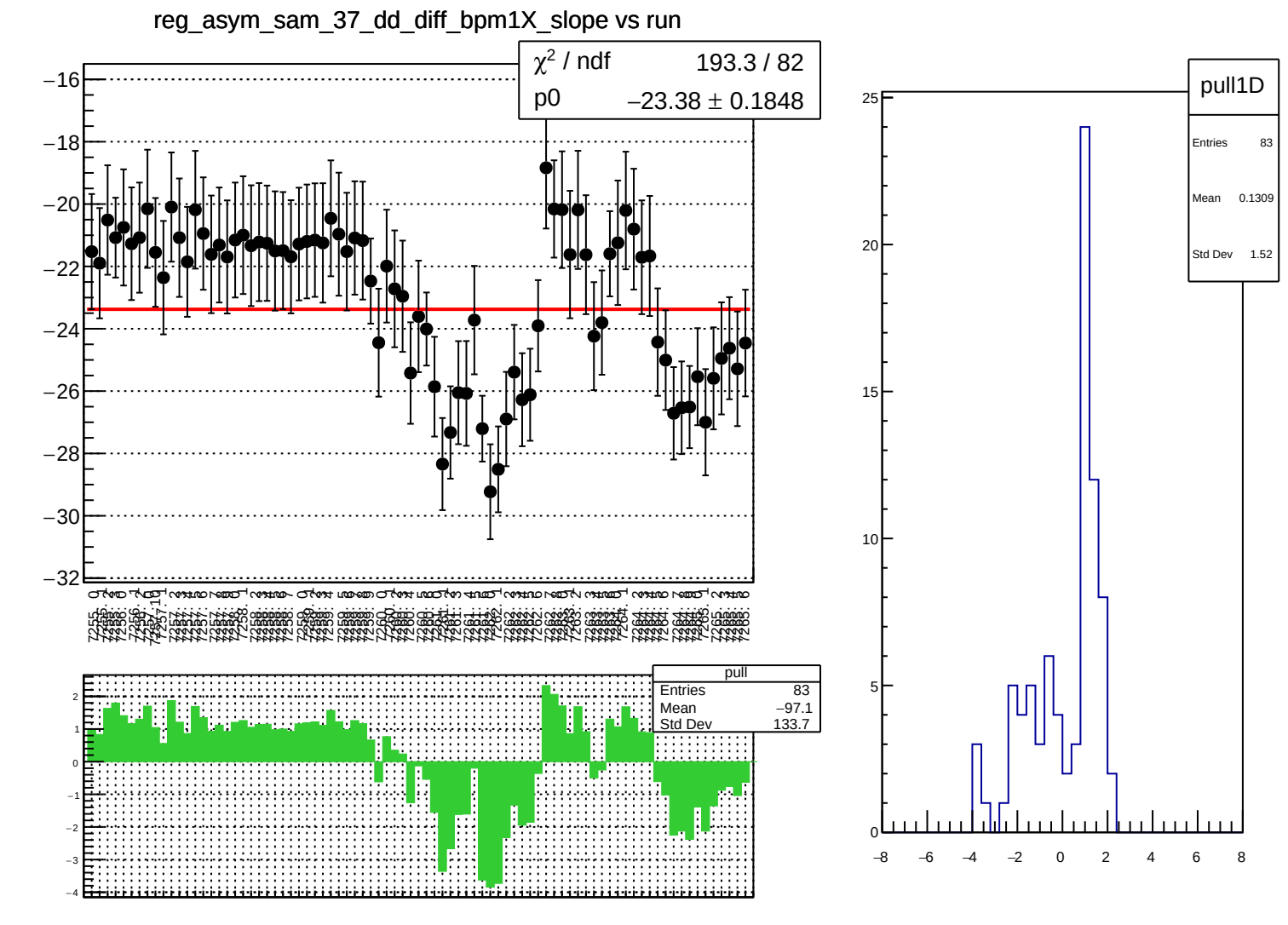

pull1D
Entries 83
Mean −0.02546
Std Dev 1.59

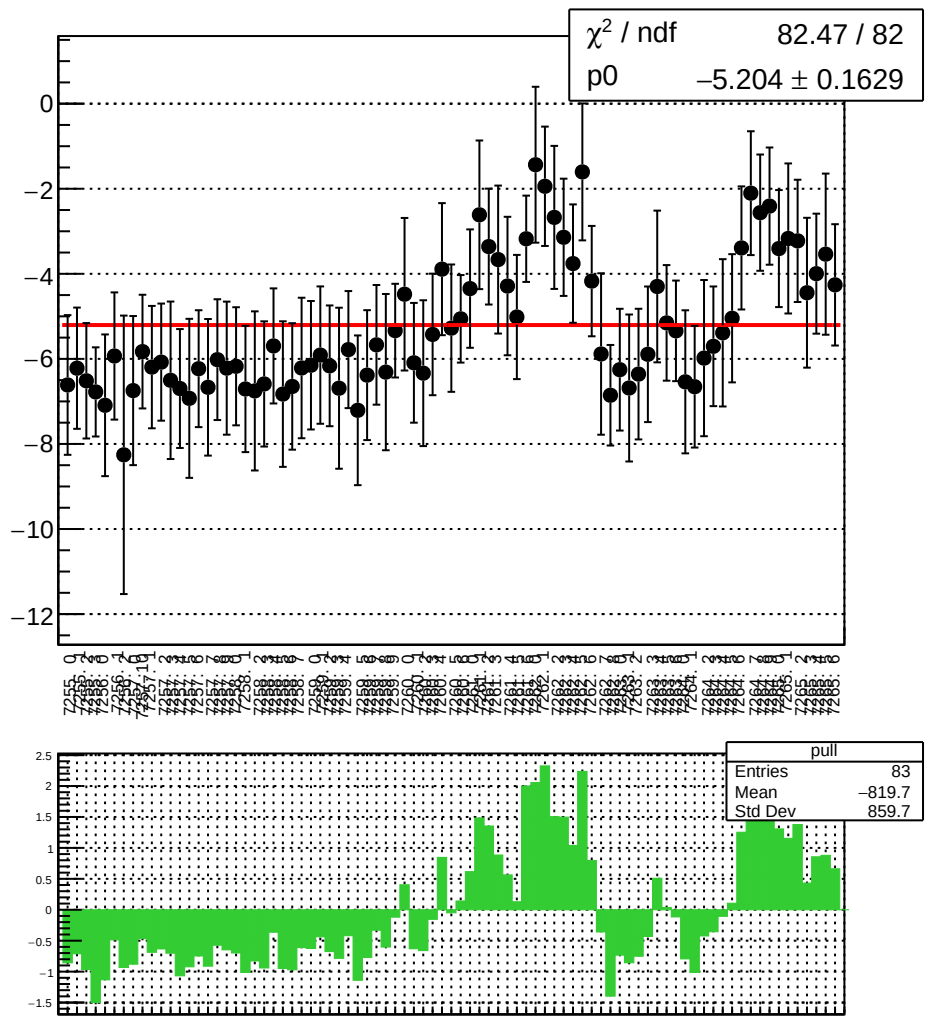

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 479.2 / 82
p0 −39.92 ± 0.4024
pull
Entries 83
Mean −83.5
Std Dev 120.2
pull1D
Entries 83
Mean −0.2674
Std Dev 2.388

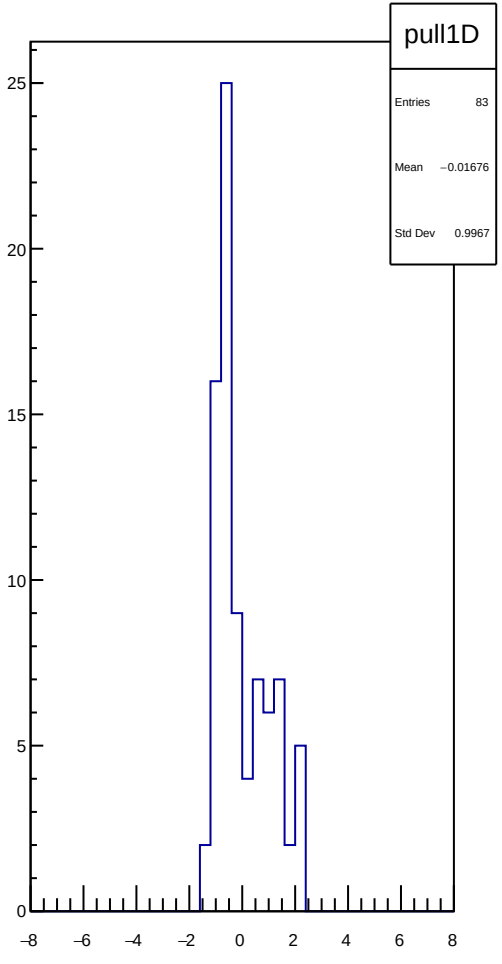

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 222.2 / 82
p0 0.3966 ± 0.3448
pull
Entries 83
Mean −567.8
Std Dev 606.2

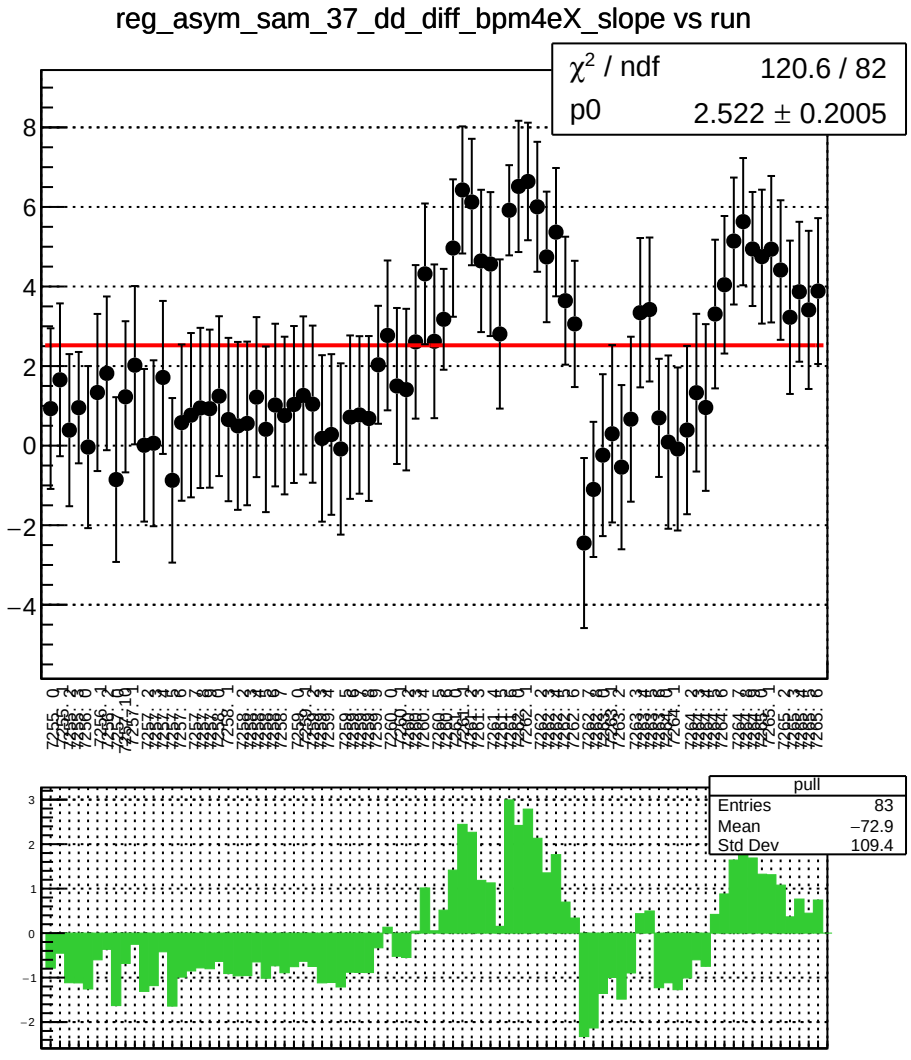

pull1D
Entries 83
Mean 0.03778
Std Dev 1.636

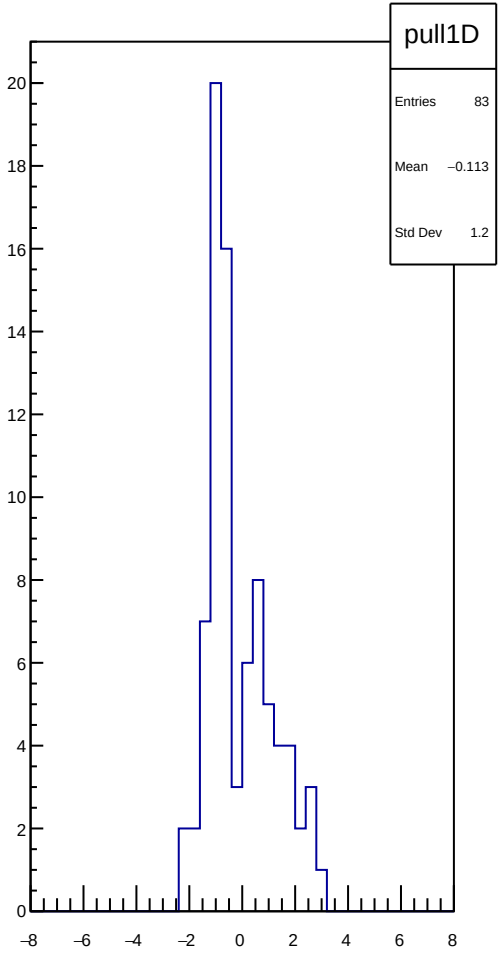

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 16.26 / 82
p0 0.2183 ± 0.01463
pull
Entries 83
Mean 3888
Std Dev 3848
pull1D
Entries 83
Mean −0.001895
Std Dev 0.4426

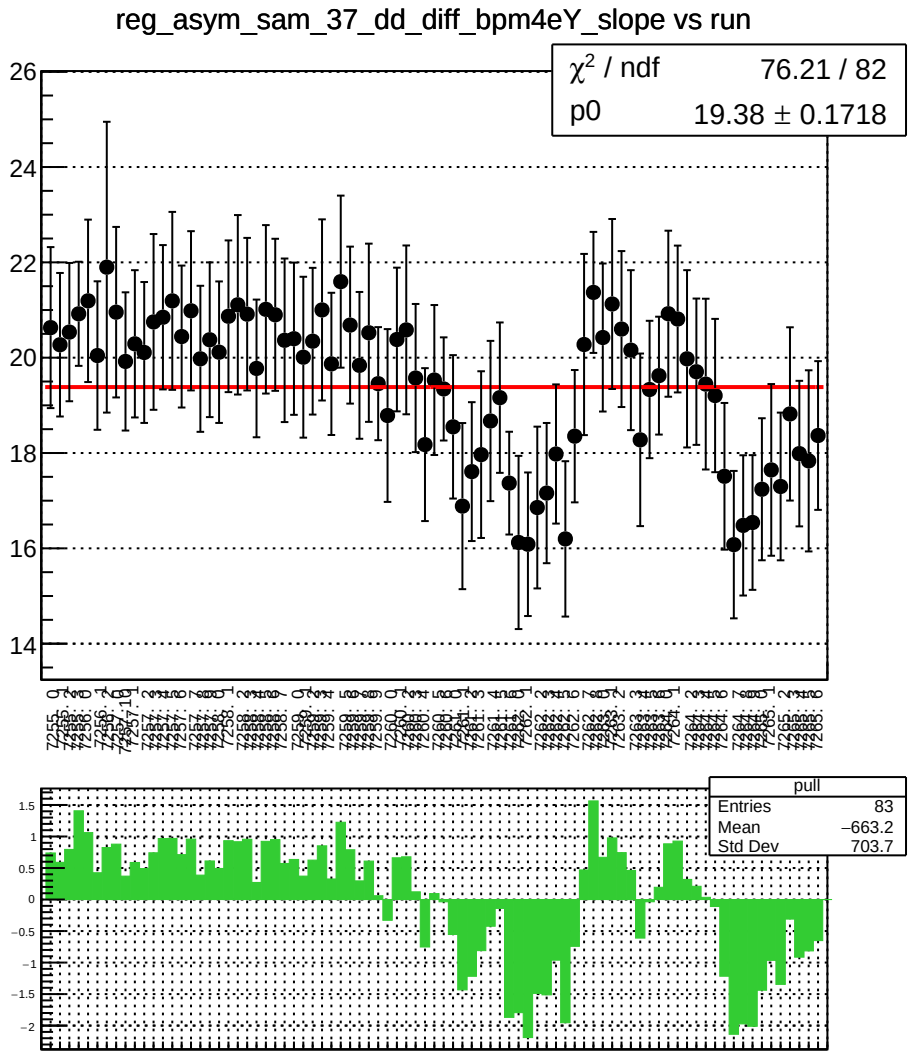

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 193.3 / 82
p0 −23.38 ± 0.1848
pull
Entries 83
Mean −97.1
Std Dev 133.7
pull1D
Entries 83
Mean 0.1309
Std Dev 1.52

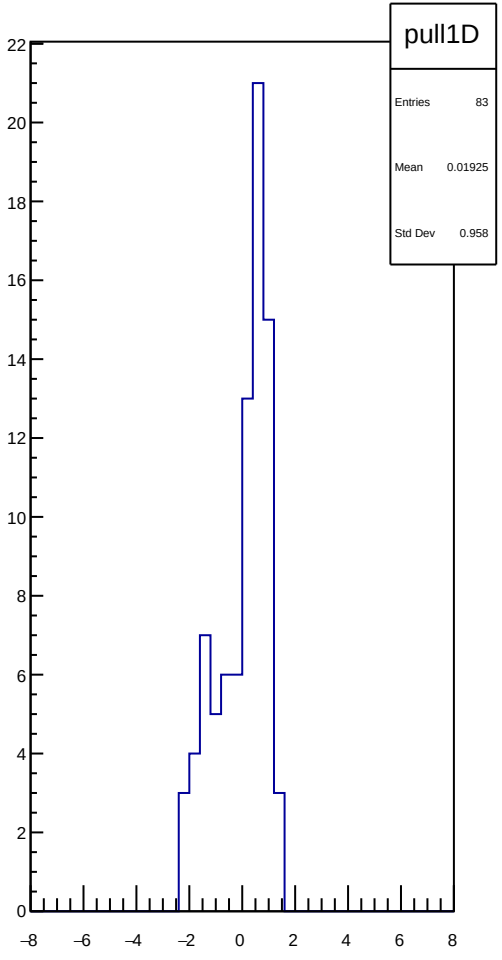

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.47 / 82
p0 −5.204 ± 0.1629
pull
Entries 83
Mean −819.7
Std Dev 859.7

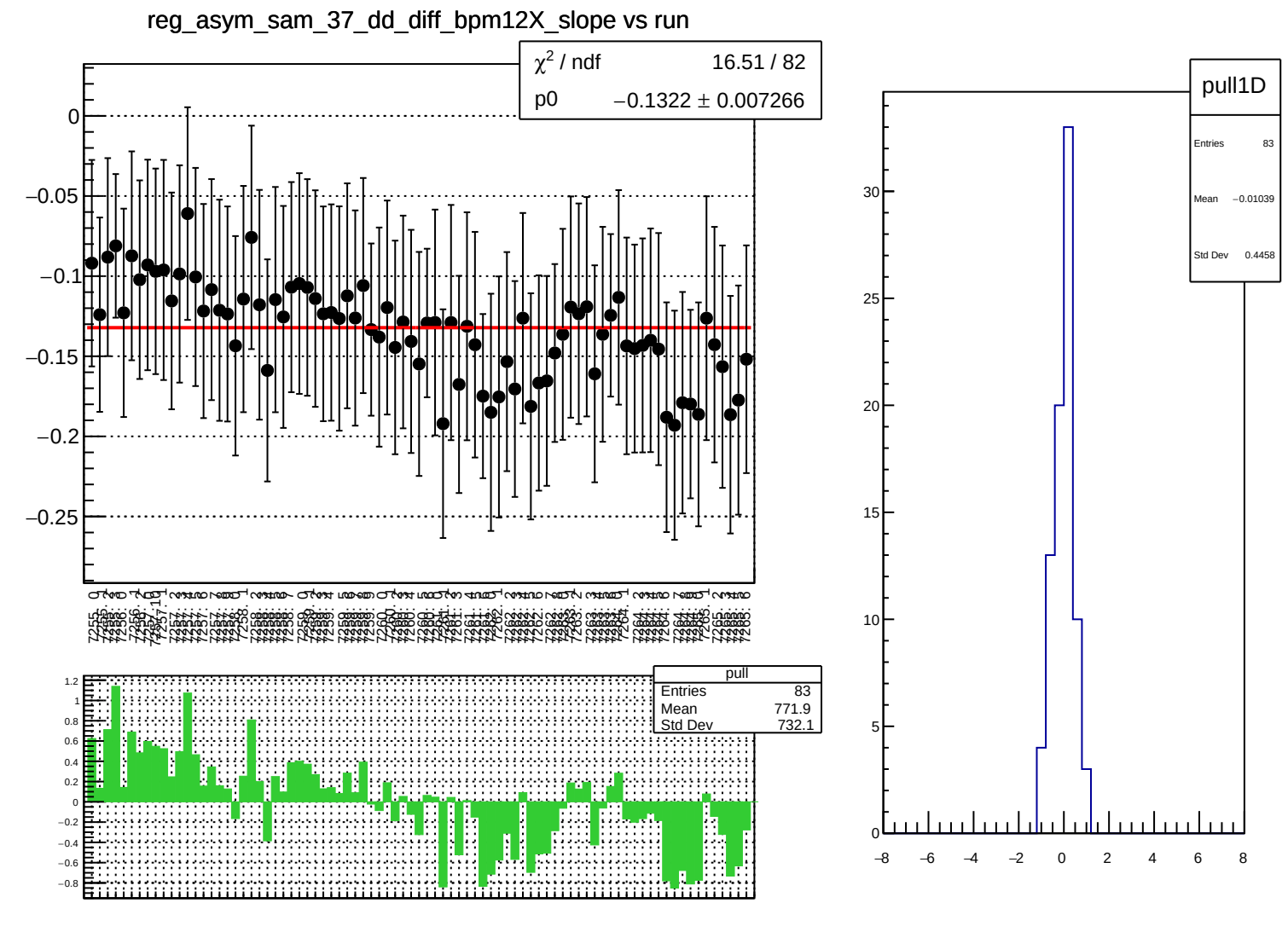

pull1D
Entries 83
Mean −0.01676
Std Dev 0.9967

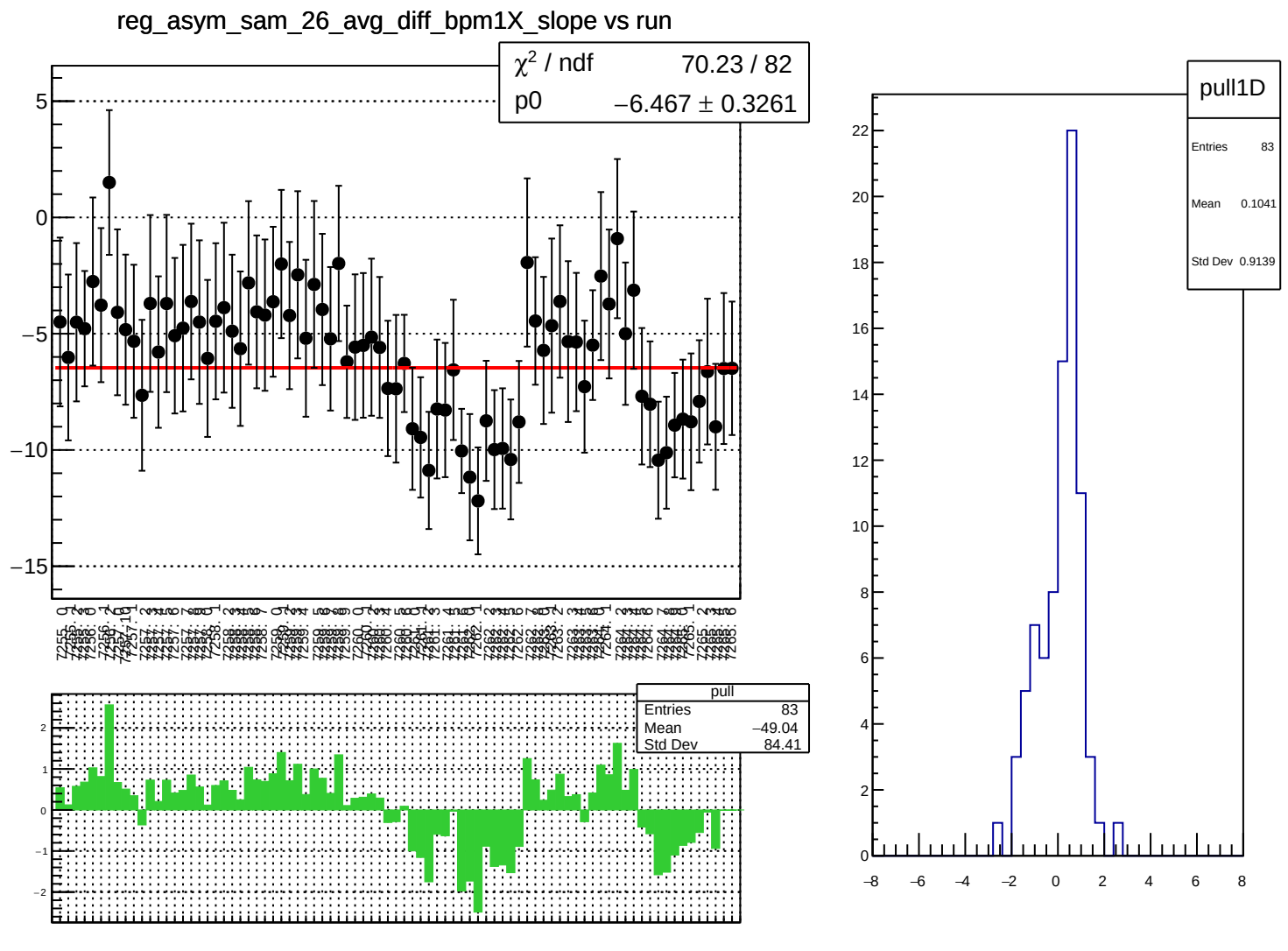

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 120.6 / 82
p0 2.522 ± 0.2005
pull
Entries 83
Mean −72.9
Std Dev 109.4

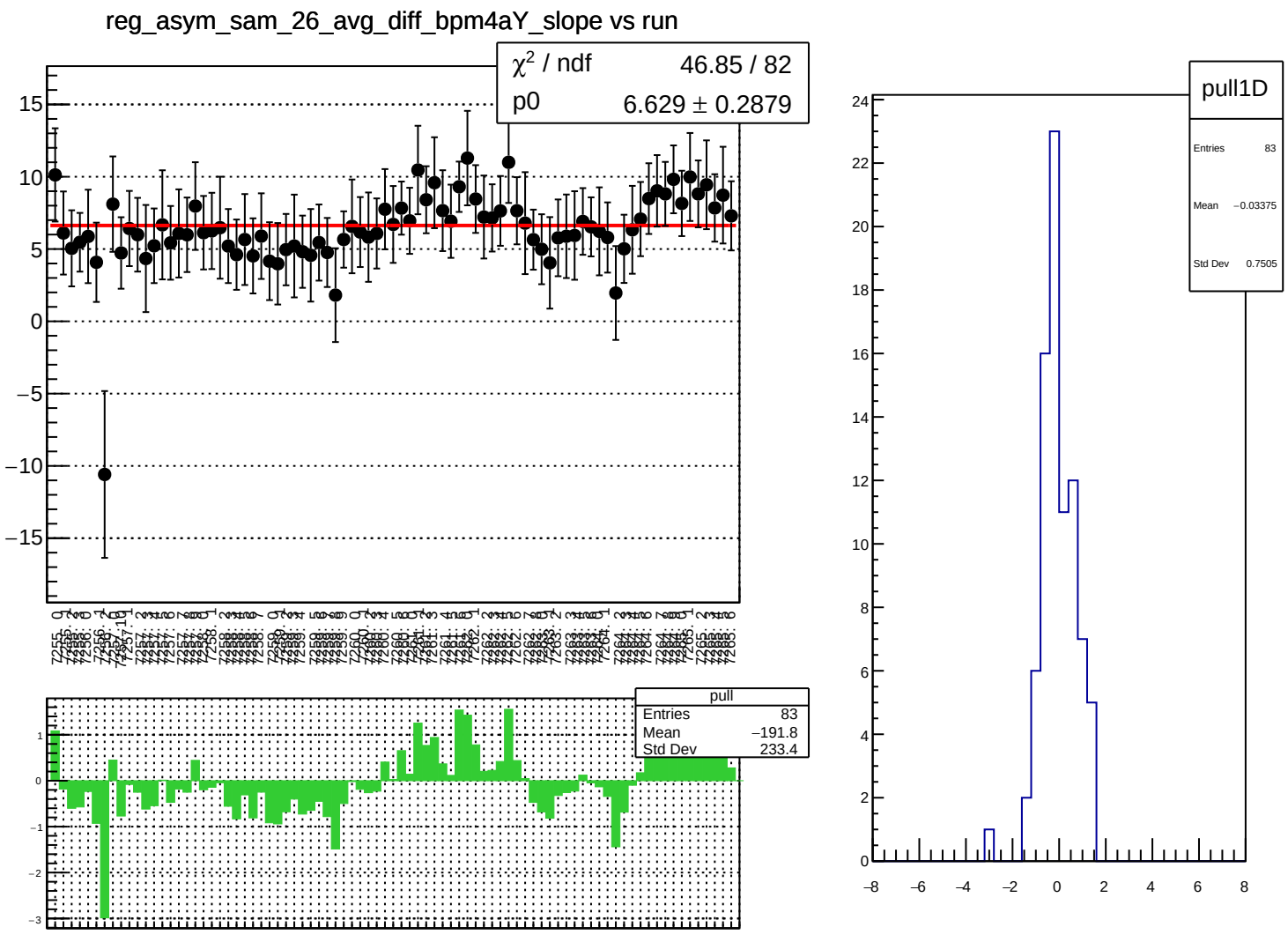

pull1D
Entries 83
Mean −0.113
Std Dev 1.2

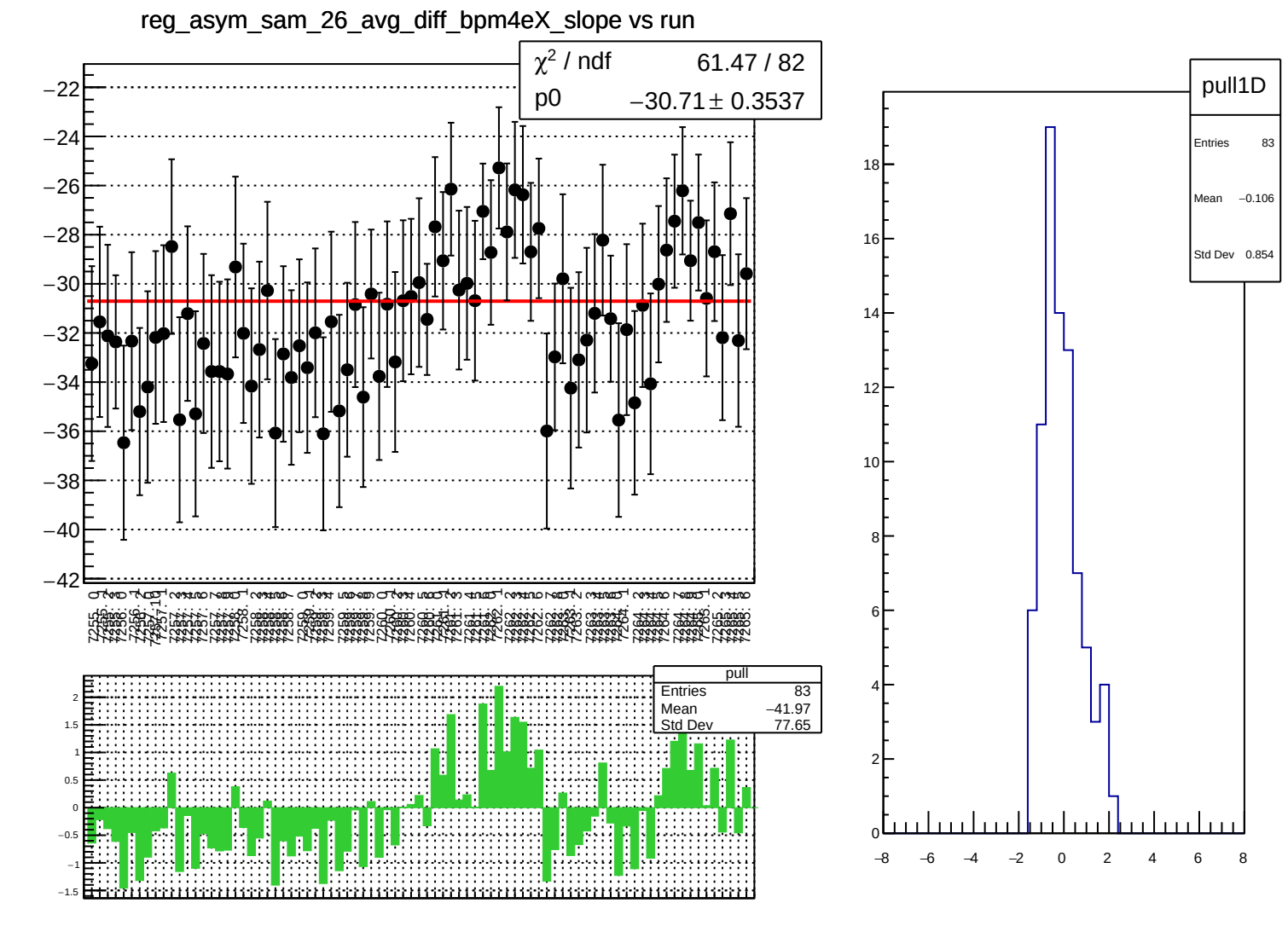

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.21 / 82
p0 19.38 ± 0.1718
pull
Entries 83
Mean −663.2
Std Dev 703.7

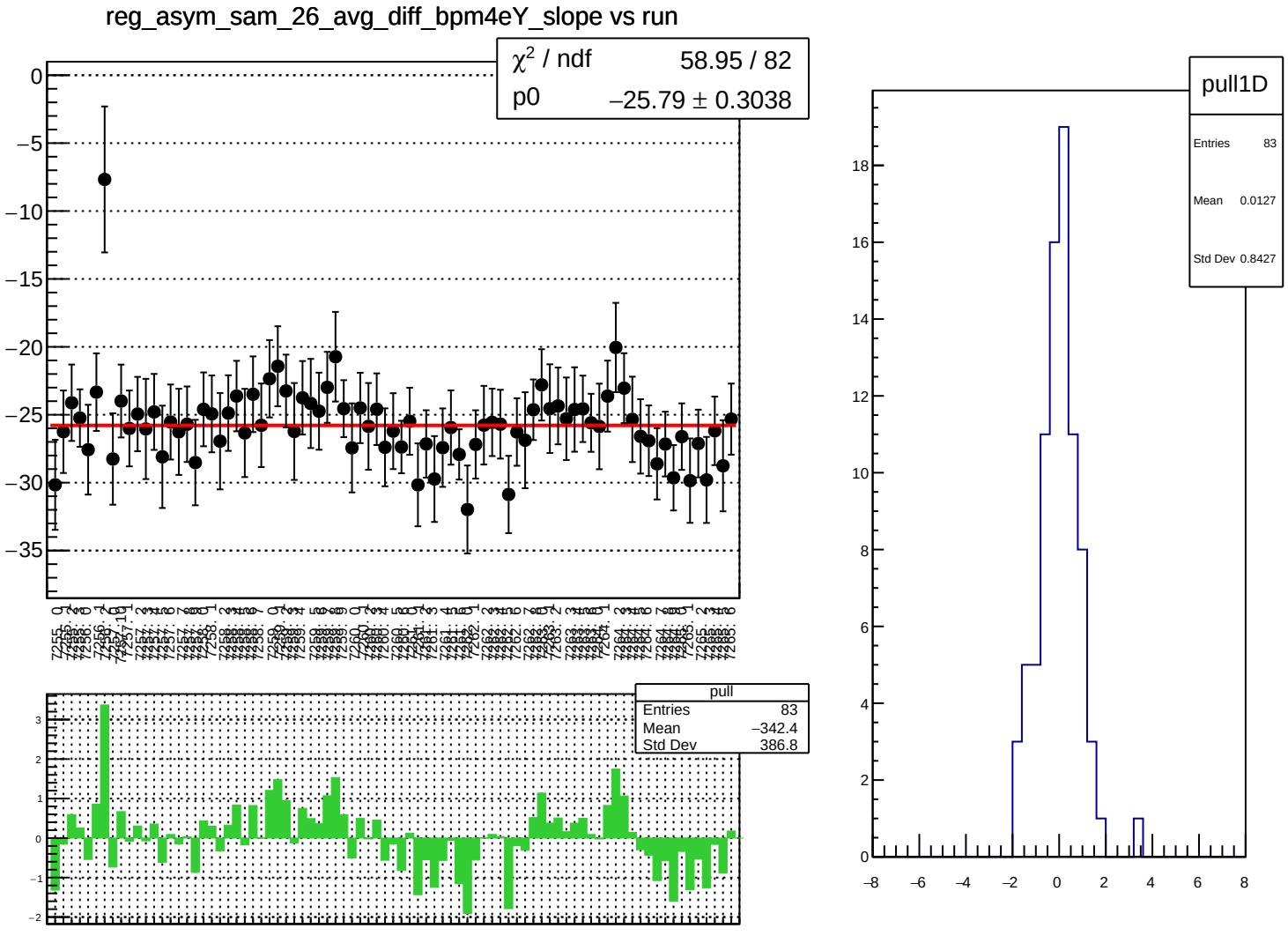

pull1D
Entries 83
Mean 0.01925
Std Dev 0.958

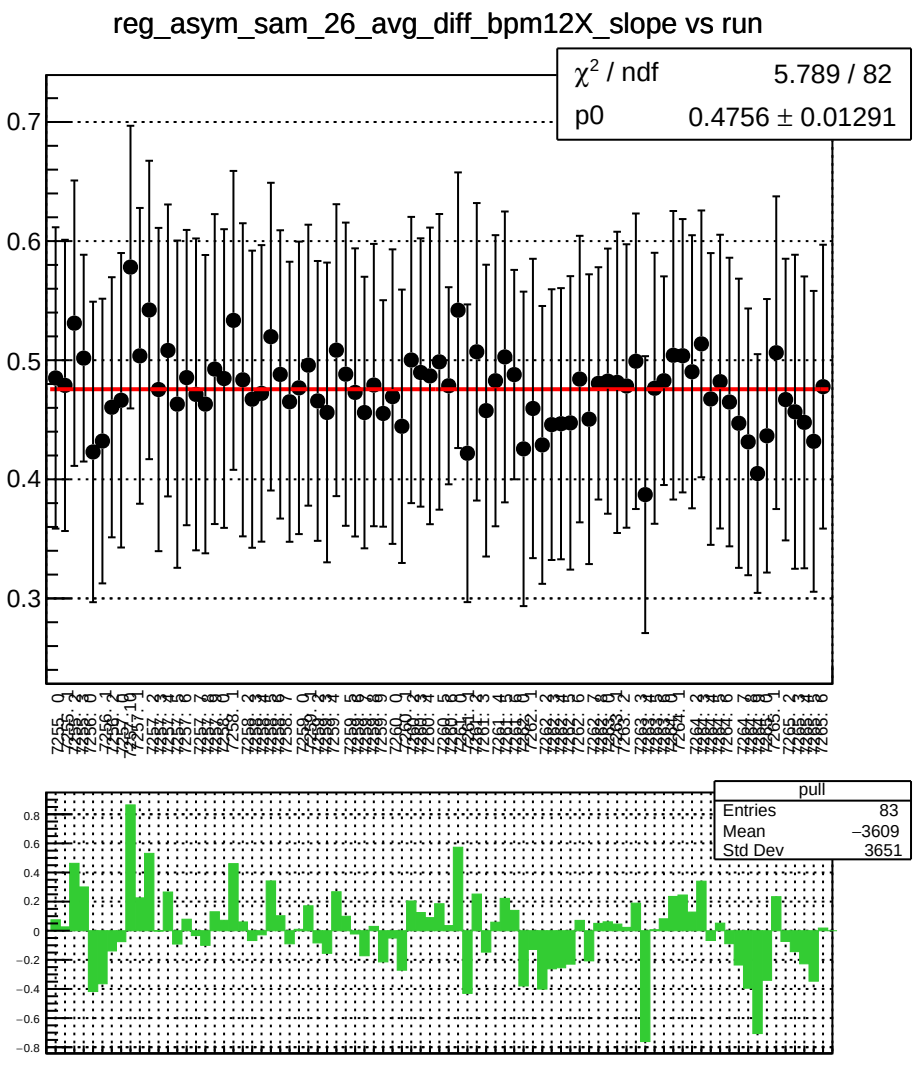

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 16.51 / 82
p0 −0.1322 ± 0.007266
pull
Entries 83
Mean 771.9
Std Dev 732.1
pull1D
Entries 83
Mean −0.01039
Std Dev 0.4458

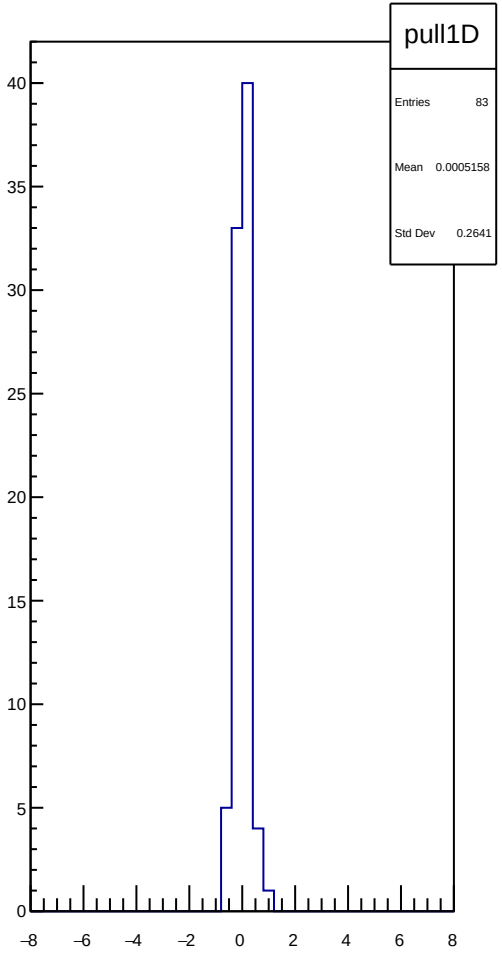

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 70.23 / 82
p0 −6.467 ± 0.3261
pull
Entries 83
Mean −49.04
Std Dev 84.41
pull1D
Entries 83
Mean 0.1041
Std Dev 0.9139

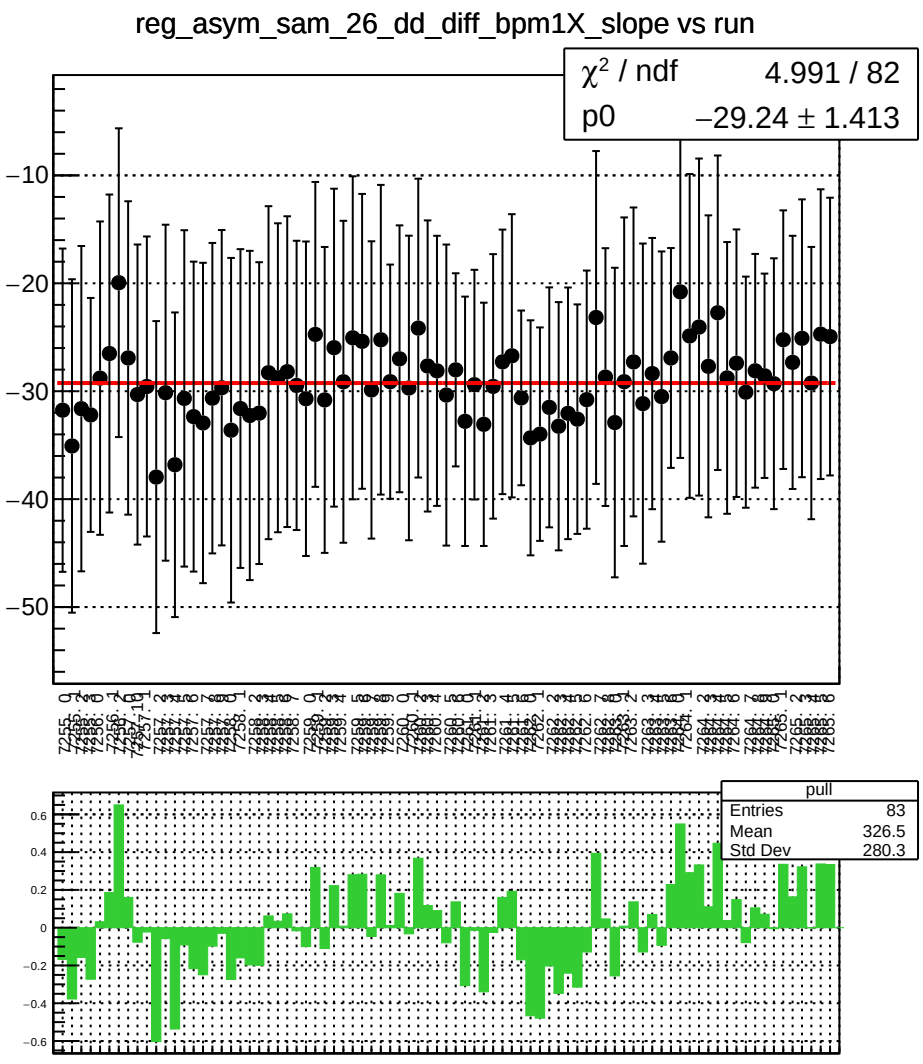

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.85 / 82
p0 6.629 ± 0.2879
pull
Entries 83
Mean −191.8
Std Dev 233.4
pull1D
Entries 83
Mean −0.03375
Std Dev 0.7505

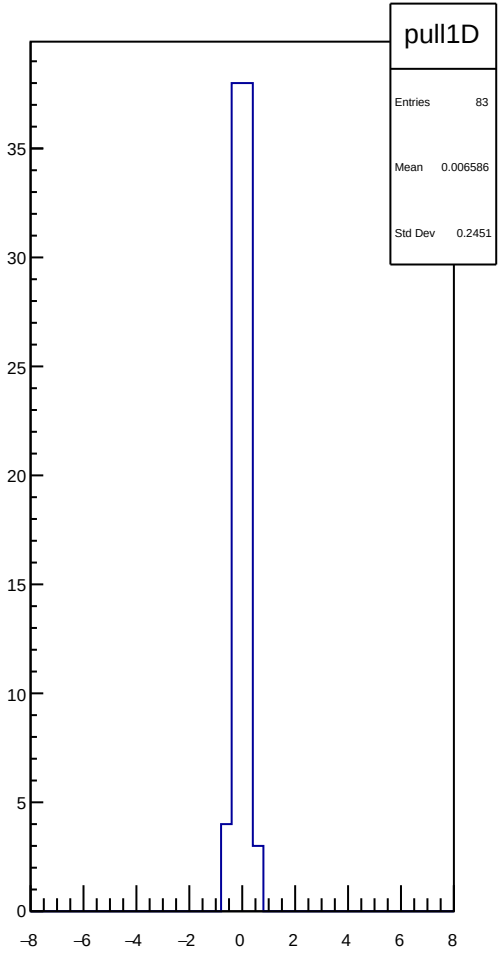

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.47 / 82
p0 −30.71 ± 0.3537
pull
Entries 83
Mean −41.97
Std Dev 77.65
pull1D
Entries 83
Mean −0.106
Std Dev 0.854

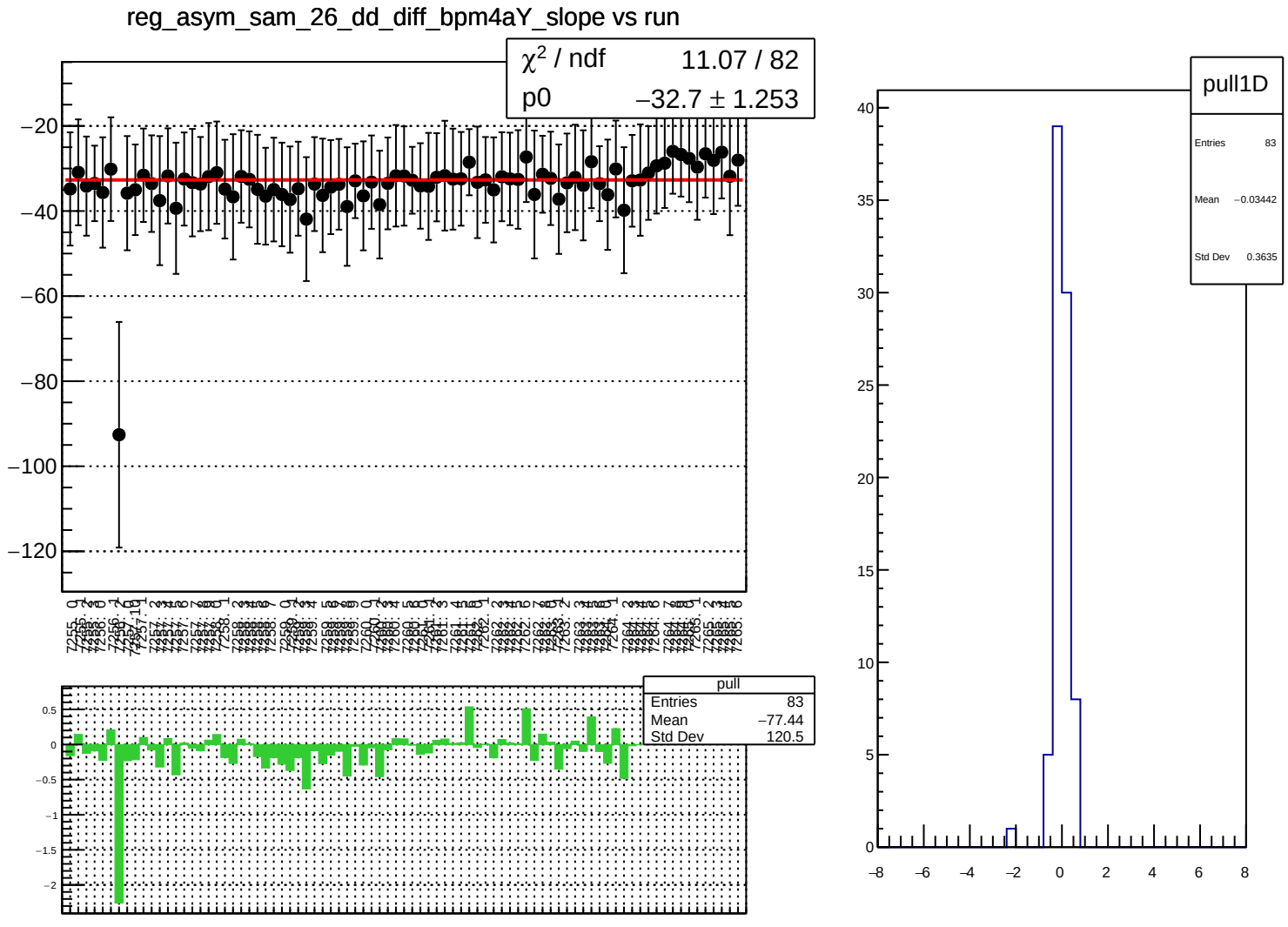

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.95 / 82
p0 −25.79 ± 0.3038
pull
Entries 83
Mean −342.4
Std Dev 386.8
pull1D
Entries 83
Mean 0.0127
Std Dev 0.8427

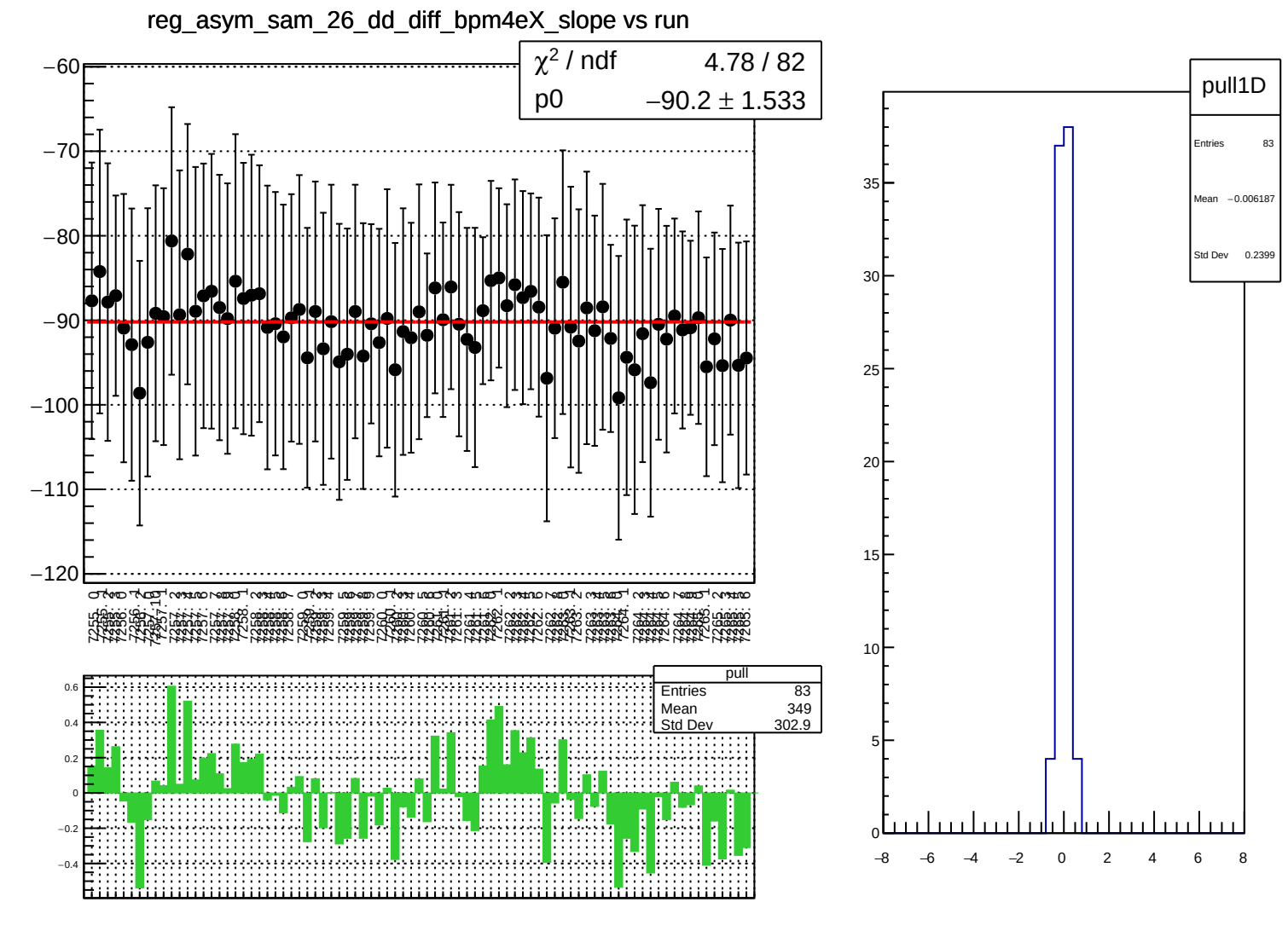

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.789 / 82
p0 0.4756 ± 0.01291
pull
Entries 83
Mean −3609
Std Dev 3651

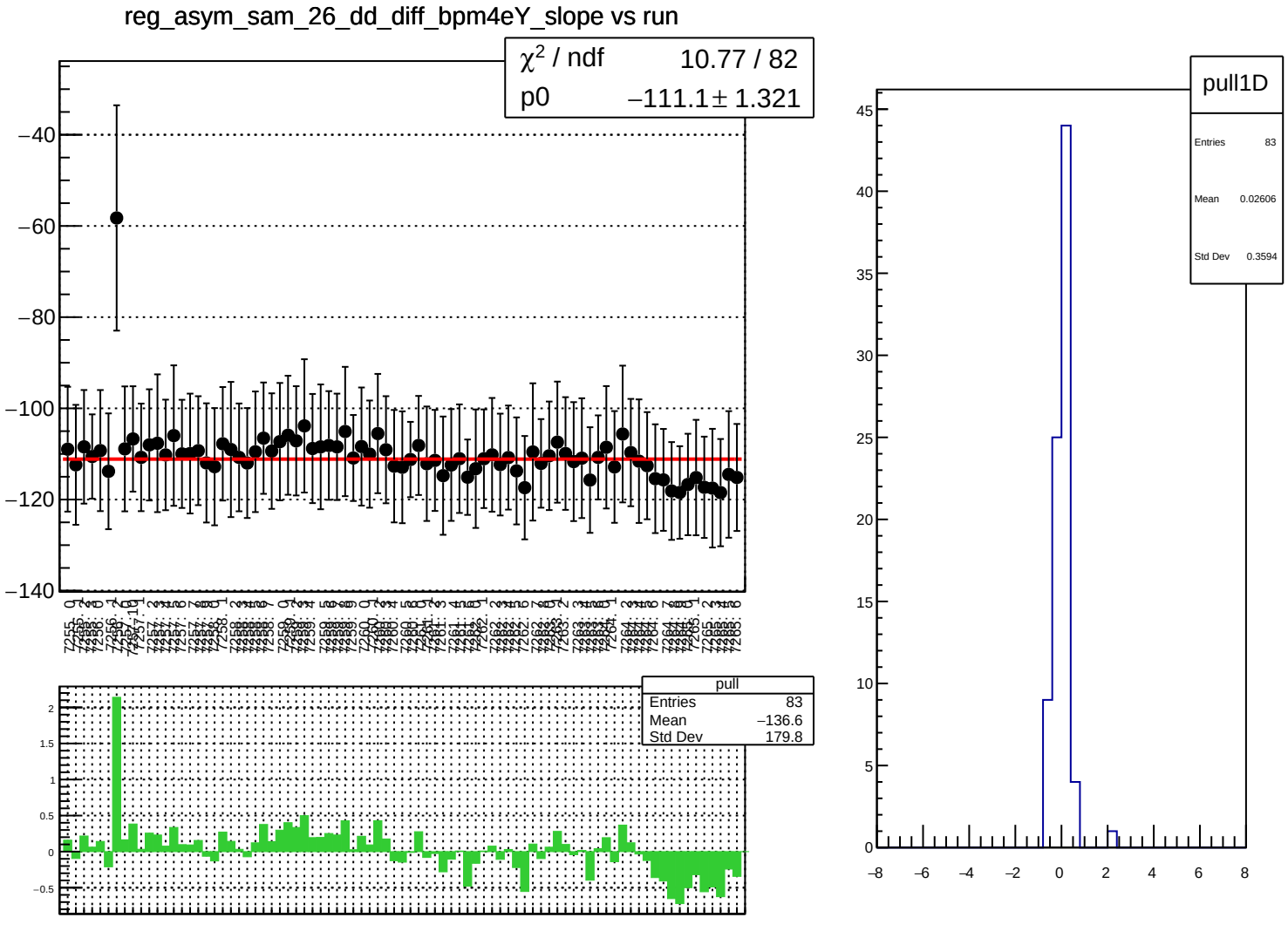

pull1D
Entries 83
Mean 0.0005158
Std Dev 0.2641

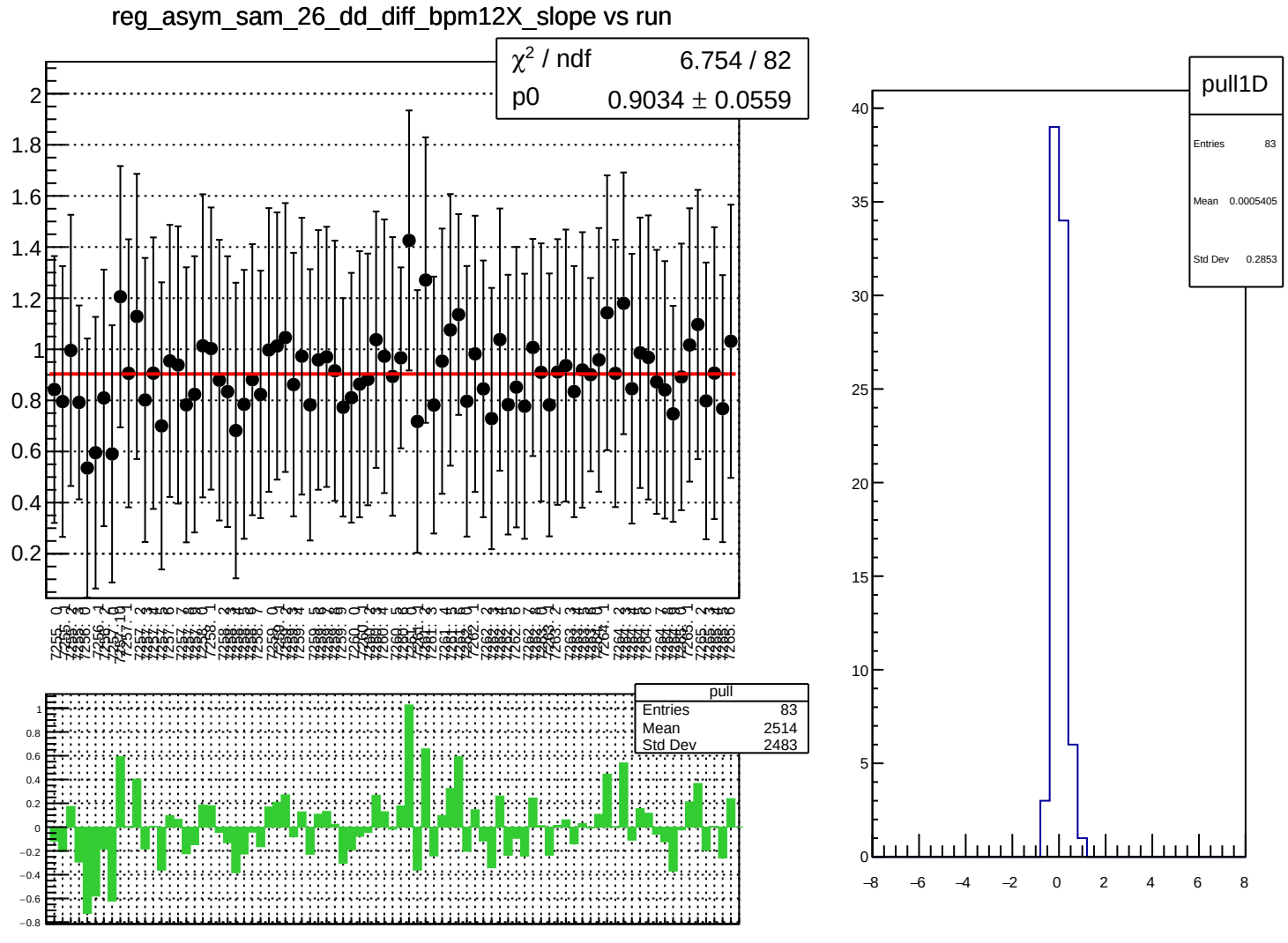

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 4.991 / 82
p0 −29.24 ± 1.413
pull
Entries 83
Mean 326.5
Std Dev 280.3

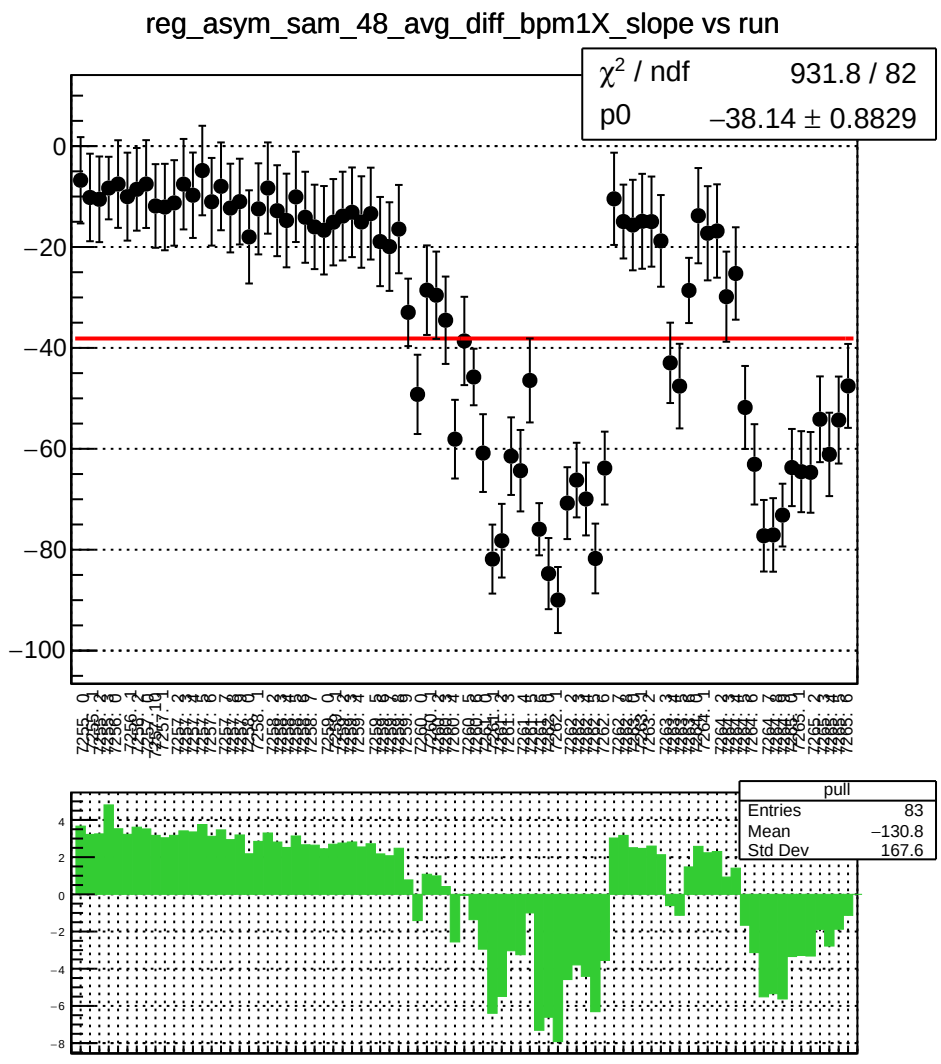

pull1D
Entries 83
Mean 0.006586
Std Dev 0.2451

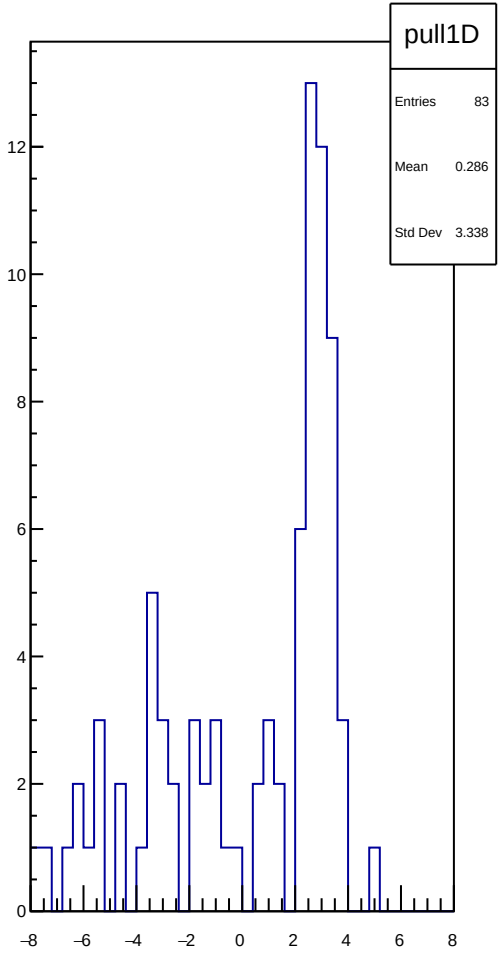

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.07 / 82
p0 −32.7 ± 1.253
pull
Entries 83
Mean −77.44
Std Dev 120.5
pull1D
Entries 83
Mean −0.03442
Std Dev 0.3635

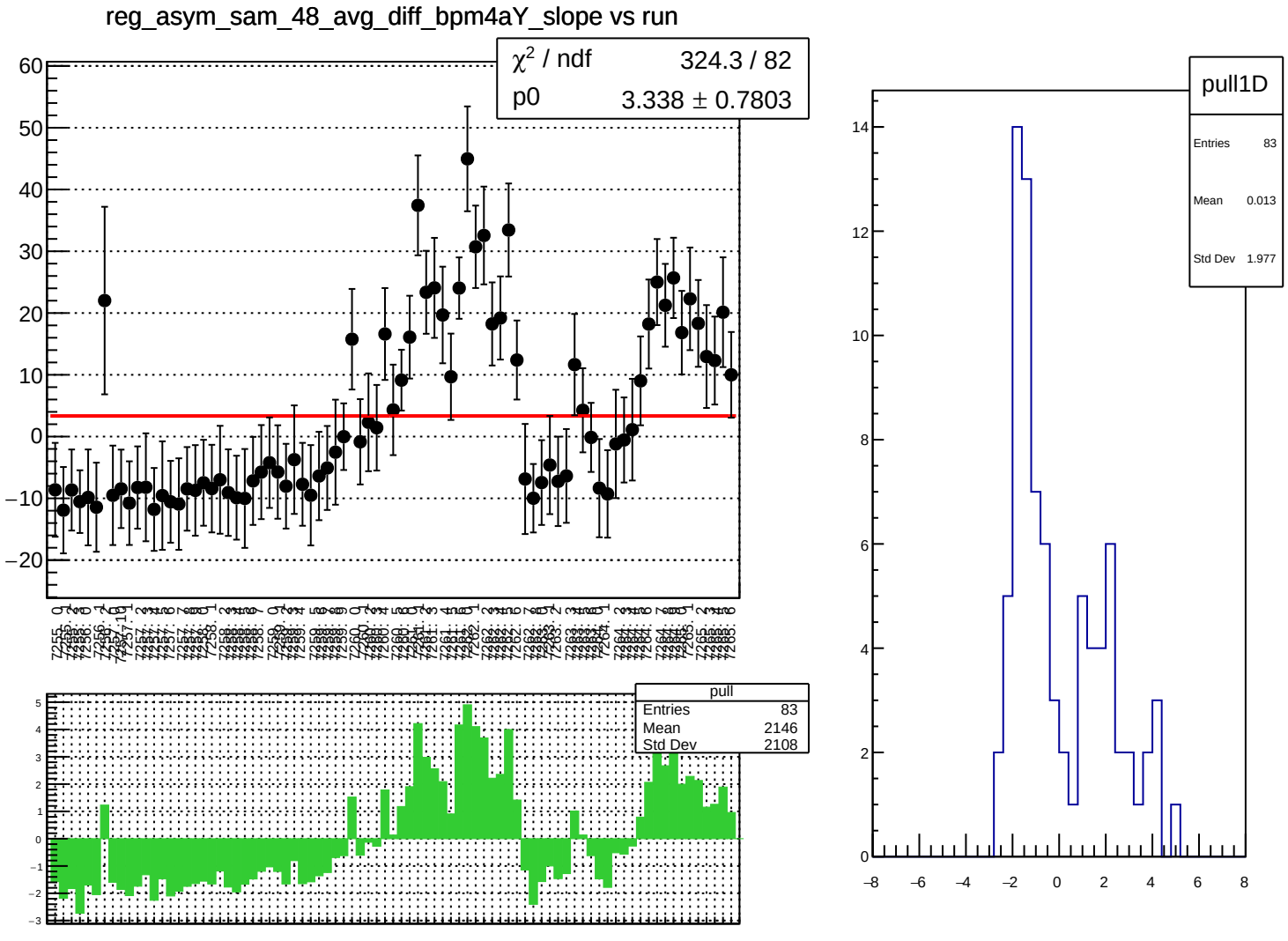

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.78 / 82
p0 −90.2 ± 1.533
pull
Entries 83
Mean 349
Std Dev 302.9
pull1D
Entries 83
Mean −0.006187
Std Dev 0.2399

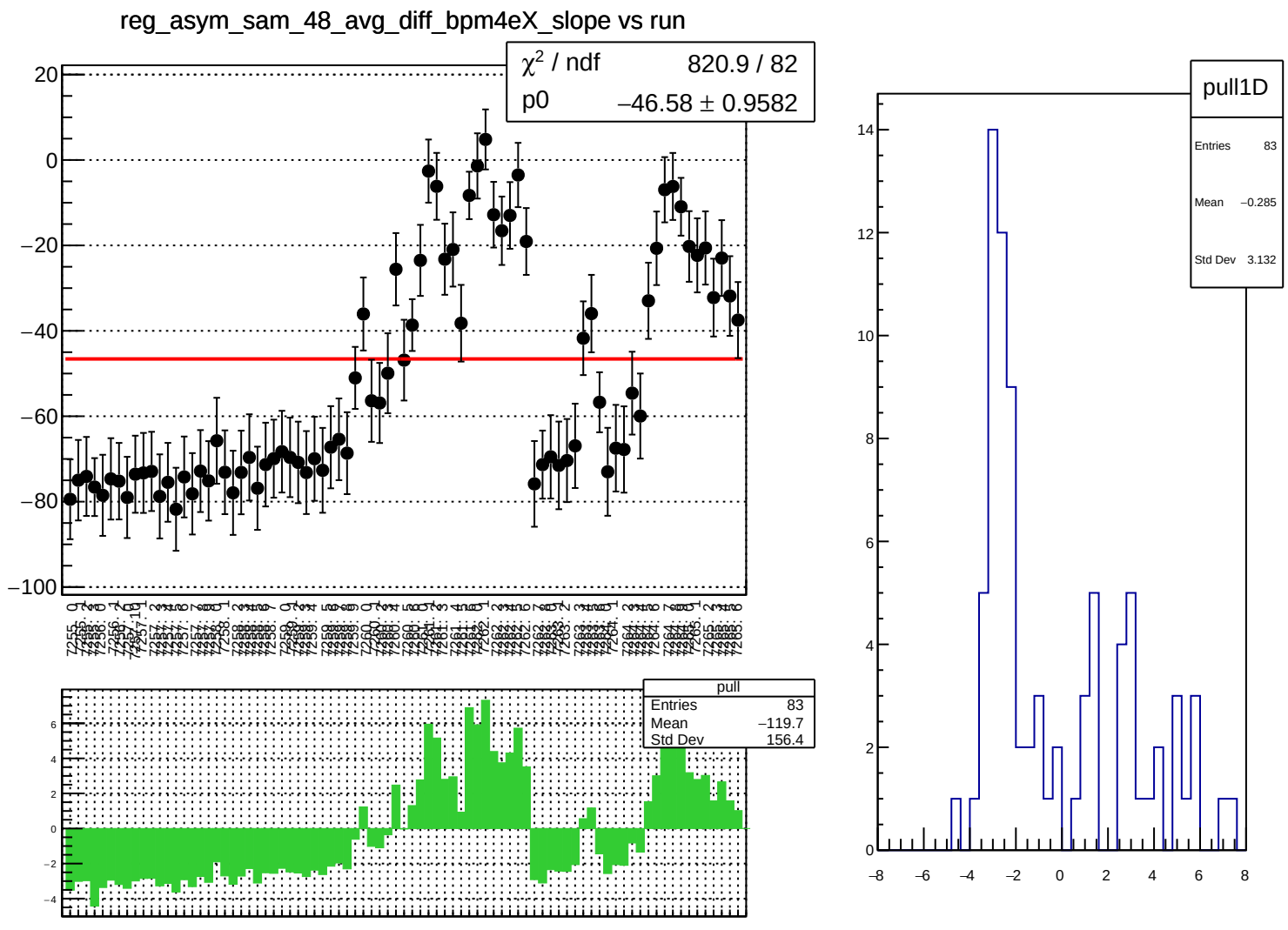

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.77 / 82
p0 −111.1 ± 1.321
−40
−60
−80
−100
−120
−140
pull
Entries 83
Mean −136.6
Std Dev 179.8
2
1.5
1
0.5
0
−0.5
pull1D
Entries 83
Mean 0.02606
Std Dev 0.3594
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

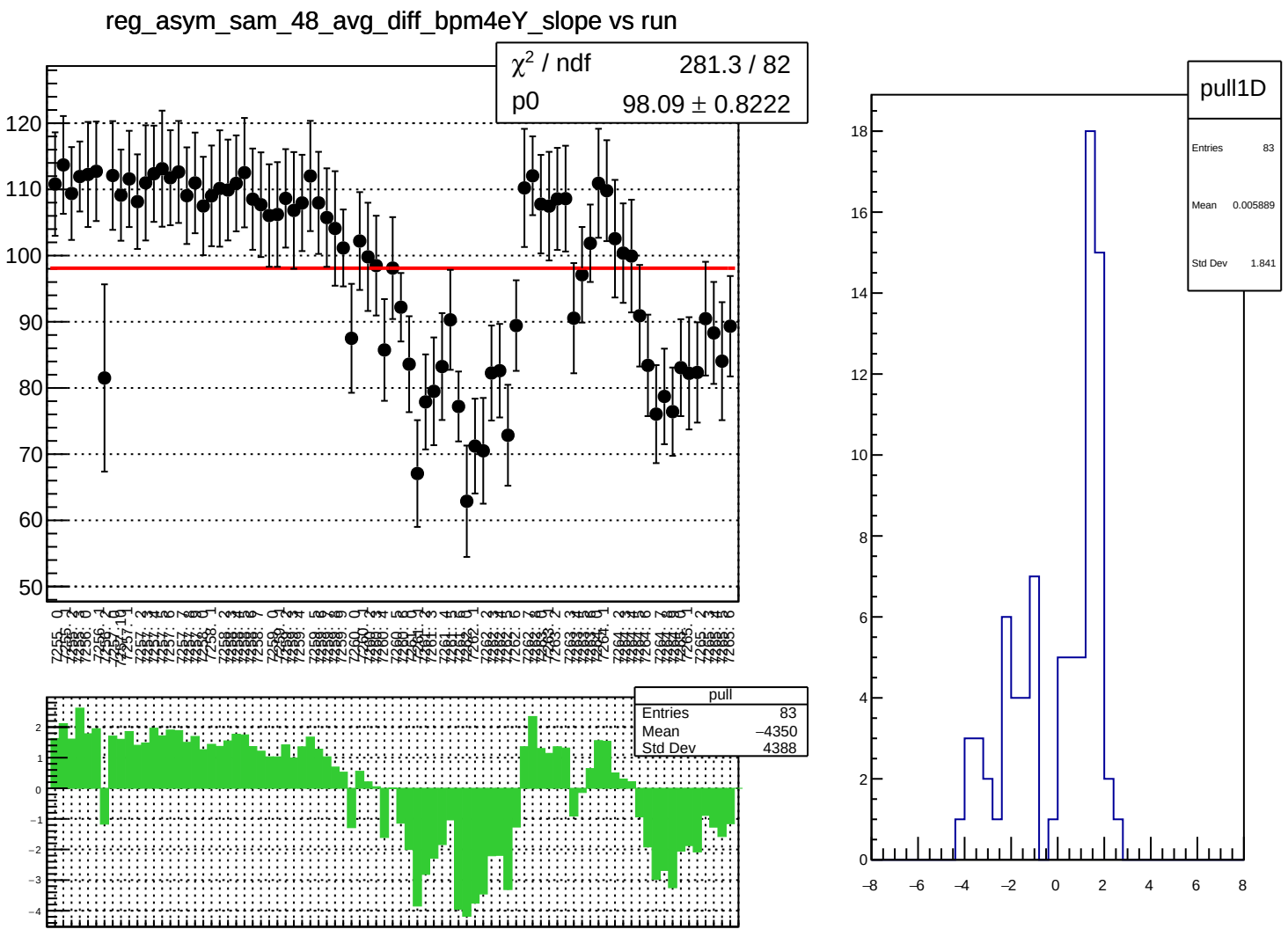

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.754 / 82
p0 0.9034 ± 0.0559
pull
Entries 83
Mean 2514
Std Dev 2483
pull1D
Entries 83
Mean 0.0005405
Std Dev 0.2853

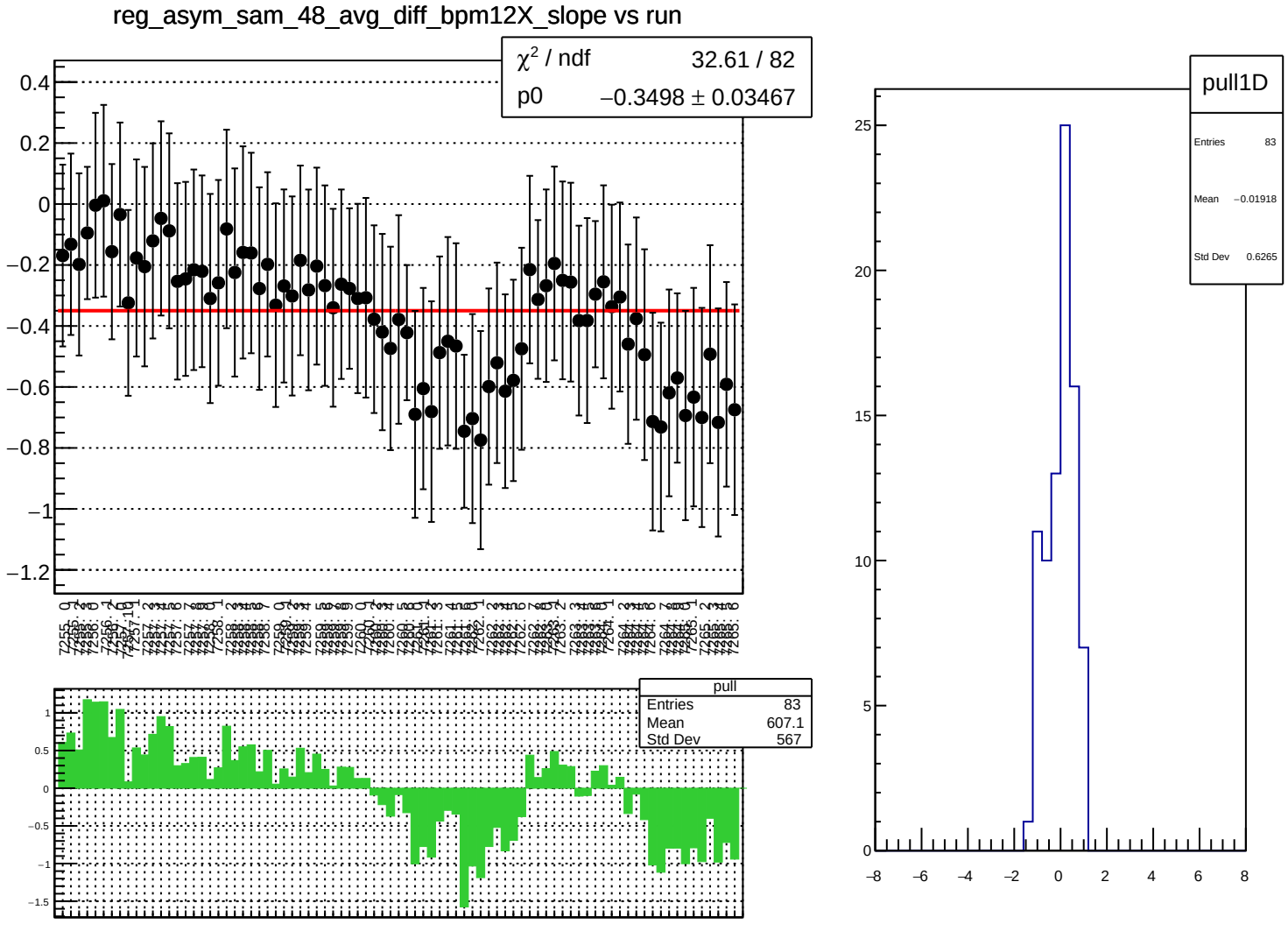

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 931.8 / 82
p0 −38.14 ± 0.8829
pull
Entries 83
Mean −130.8
Std Dev 167.6

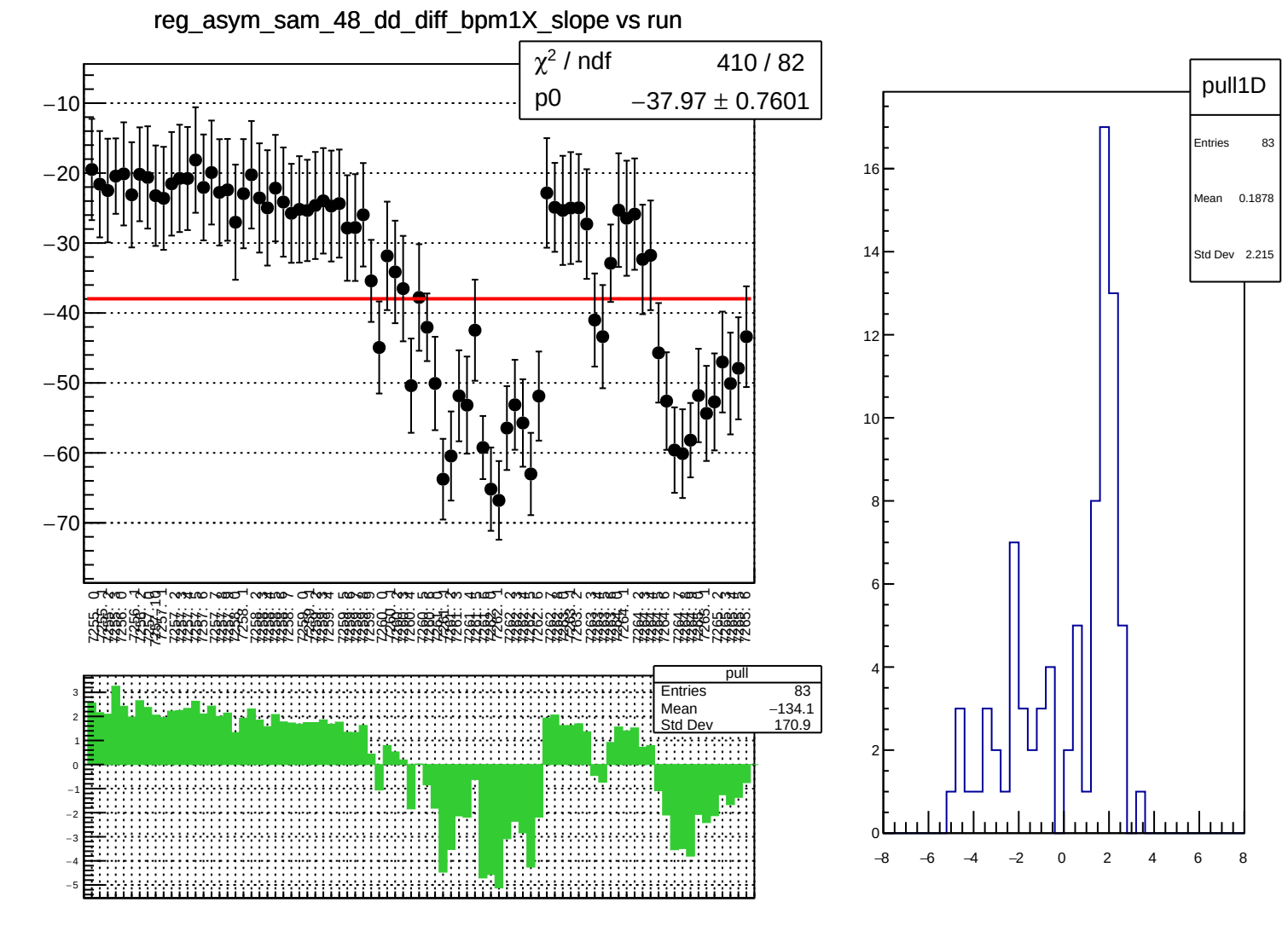

pull1D
Entries 83
Mean 0.286
Std Dev 3.338

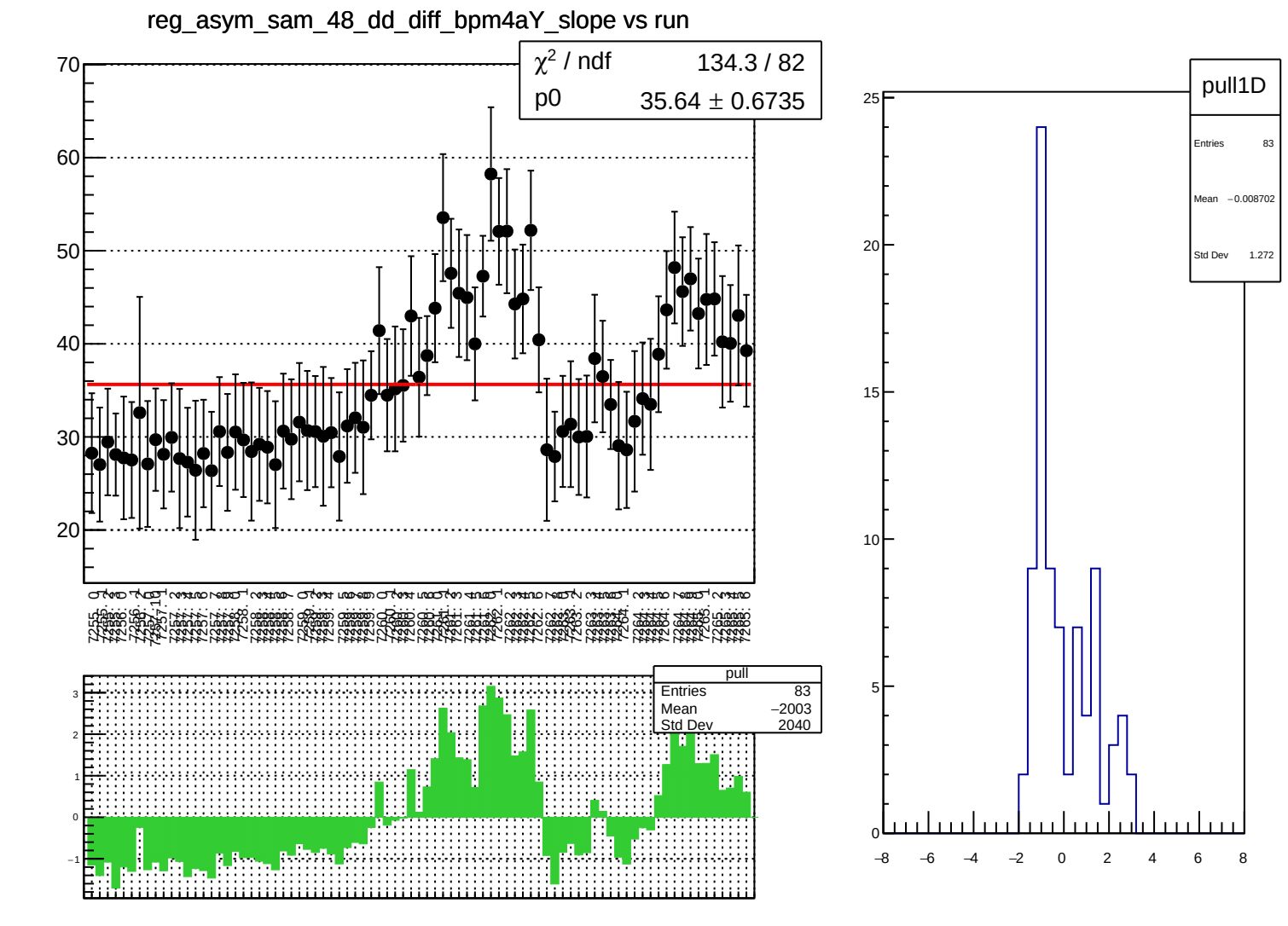

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 324.3 / 82
p0 3.338 ± 0.7803
pull
Entries 83
Mean 2146
Std Dev 2108
pull1D
Entries 83
Mean 0.013
Std Dev 1.977

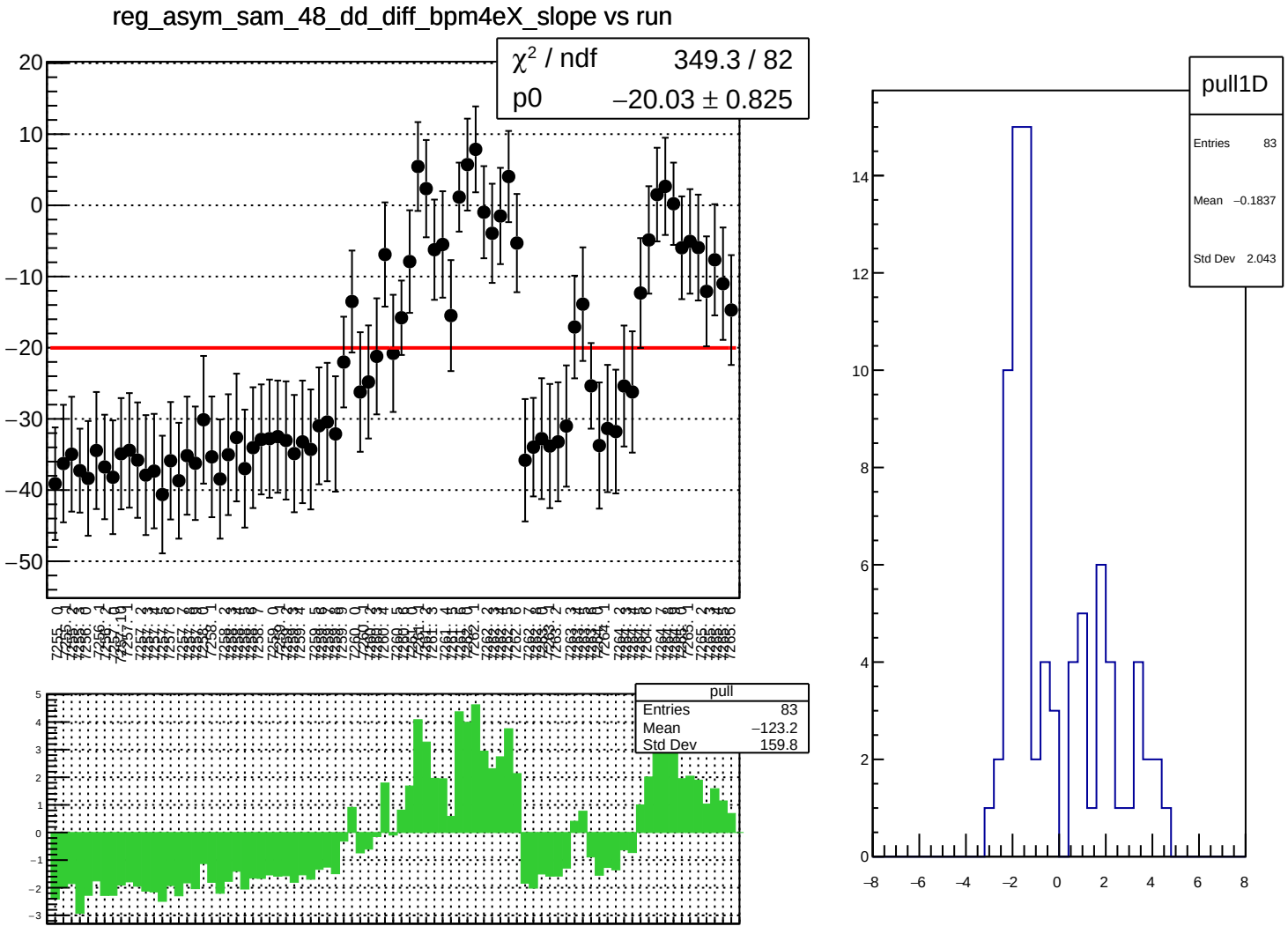

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 820.9 / 82
p0 −46.58 ± 0.9582
pull
Entries 83
Mean −119.7
Std Dev 156.4
pull1D
Entries 83
Mean −0.285
Std Dev 3.132

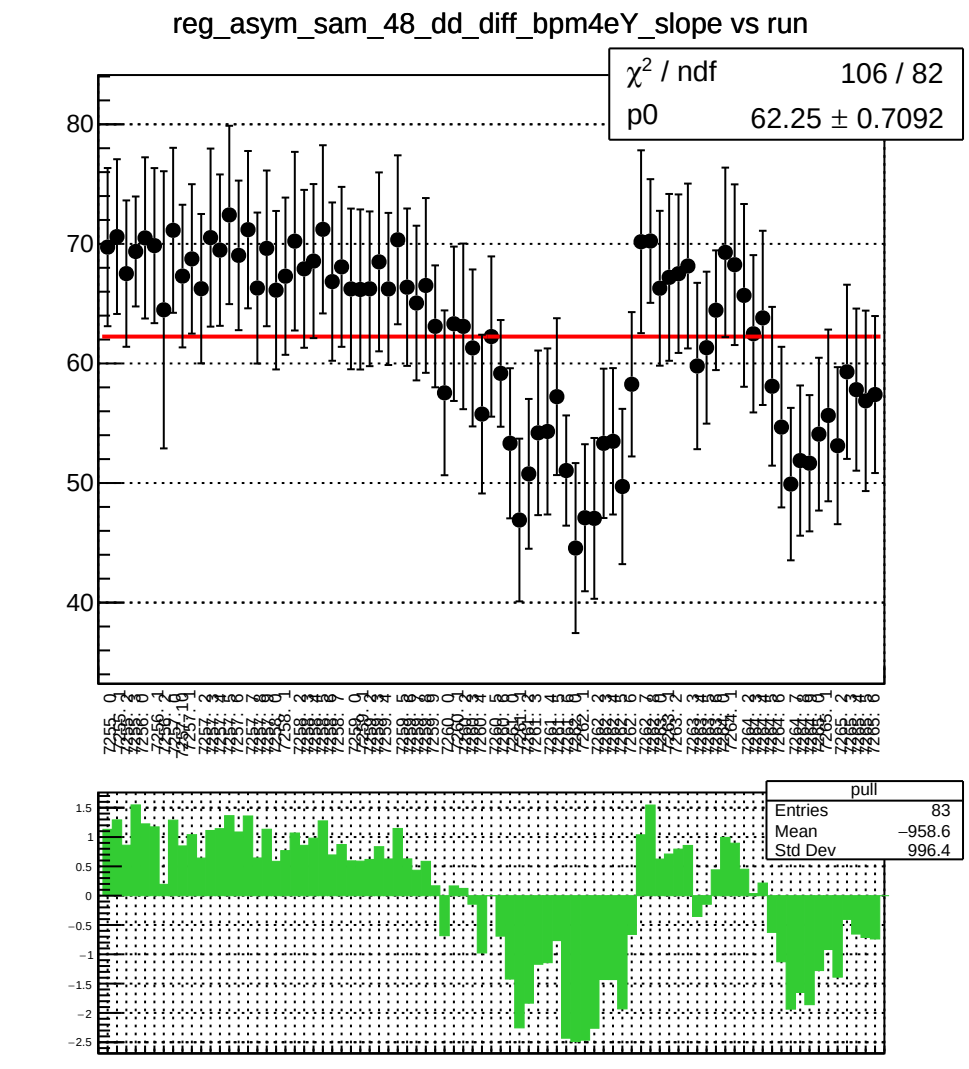

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 281.3 / 82
p0 98.09 ± 0.8222
pull
Entries 83
Mean −4350
Std Dev 4388
pull1D
Entries 83
Mean 0.005889
Std Dev 1.841

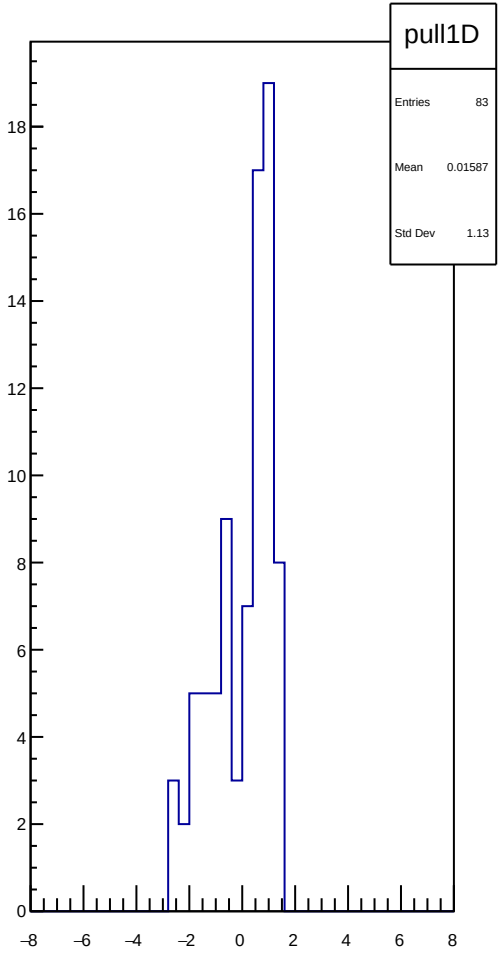

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 32.61 / 82
p0 −0.3498 ± 0.03467
pull
Entries 83
Mean 607.1
Std Dev 567
pull1D
Entries 83
Mean −0.01918
Std Dev 0.6265

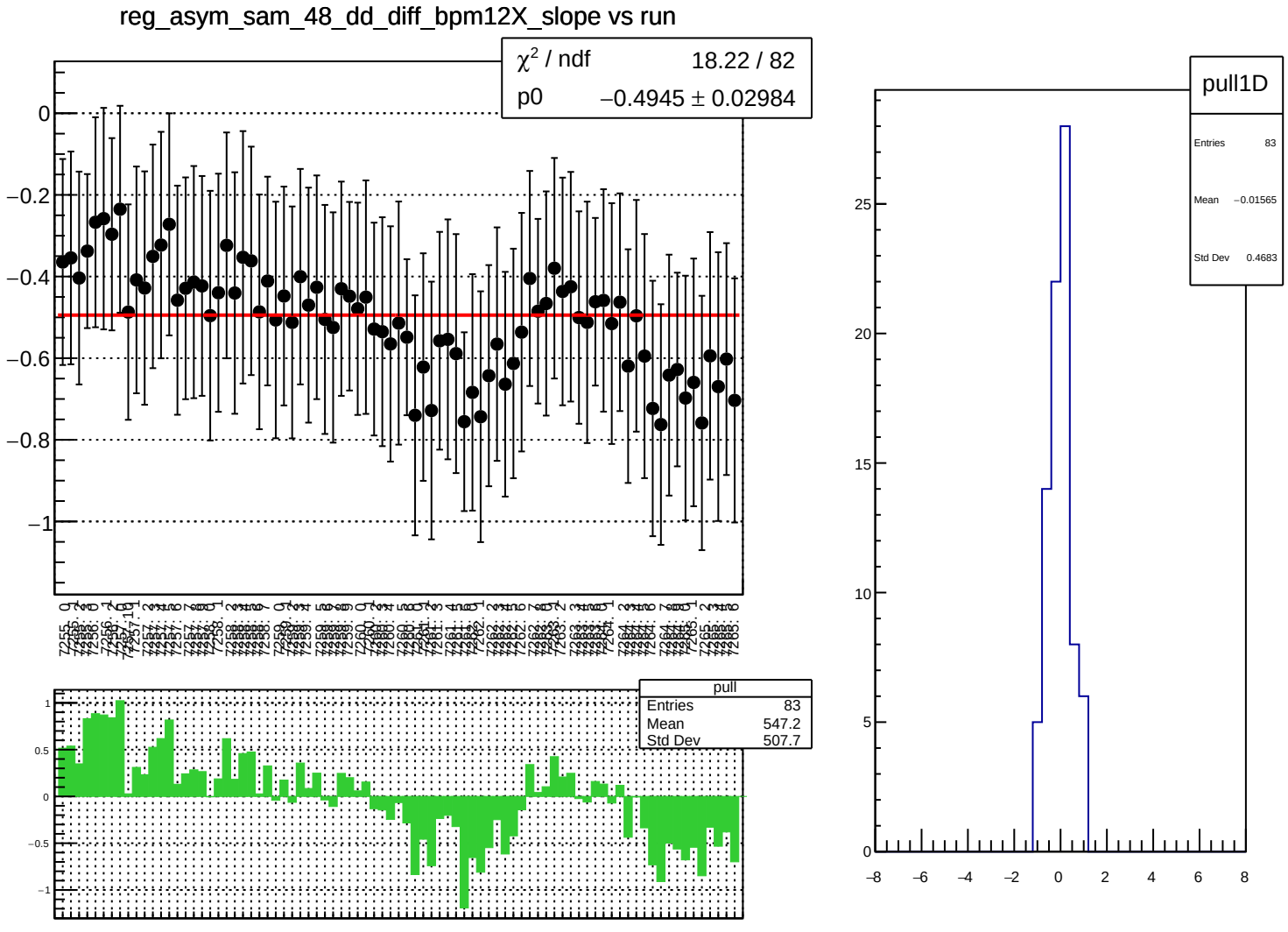

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 410 / 82
p0 −37.97 ± 0.7601
pull
Entries 83
Mean −134.1
Std Dev 170.9
pull1D
Entries 83
Mean 0.1878
Std Dev 2.215

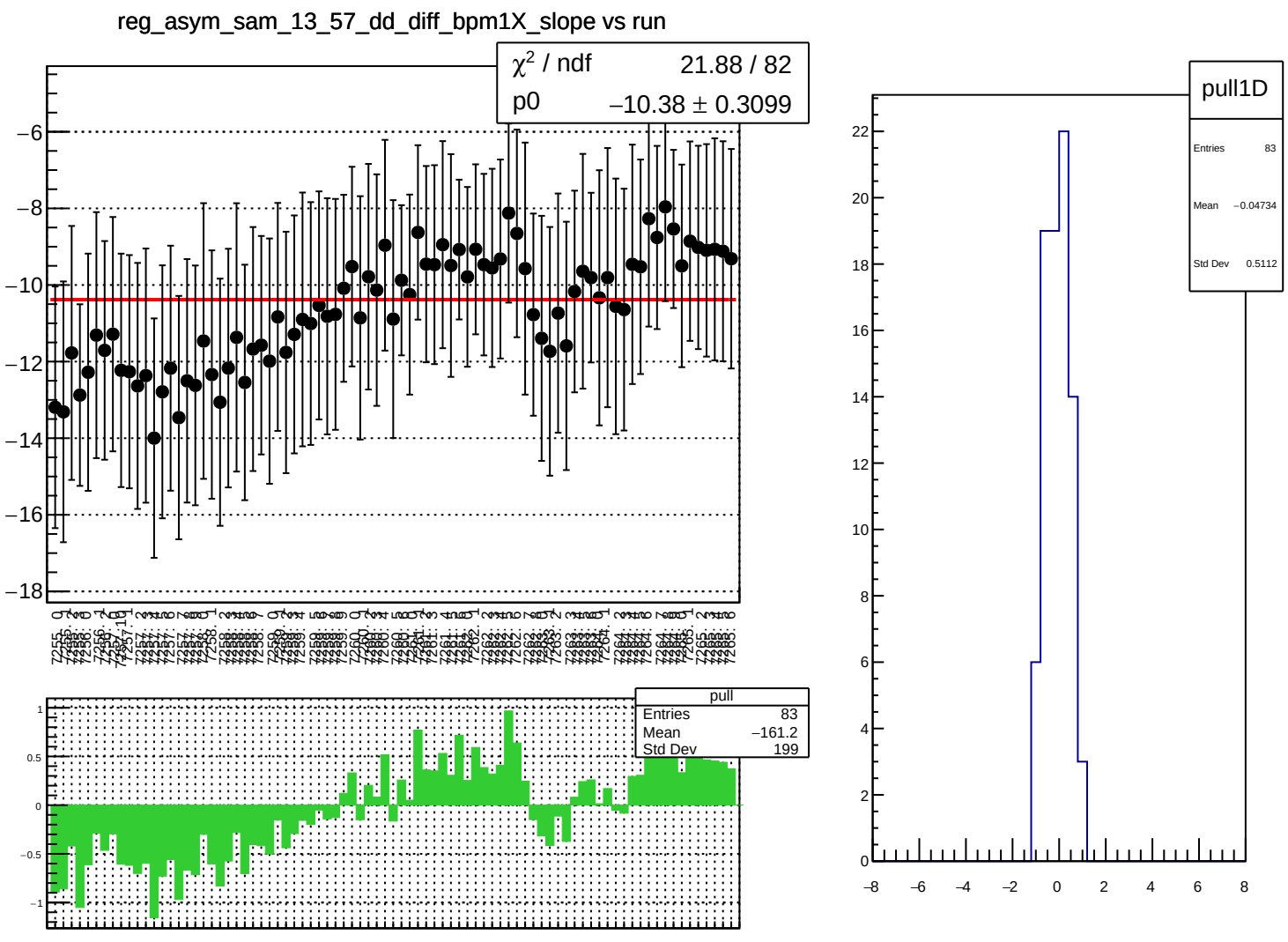

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 134.3 / 82
p0 35.64 ± 0.6735
pull
Entries 83
Mean −2003
Std Dev 2040
pull1D
Entries 83
Mean −0.008702
Std Dev 1.272

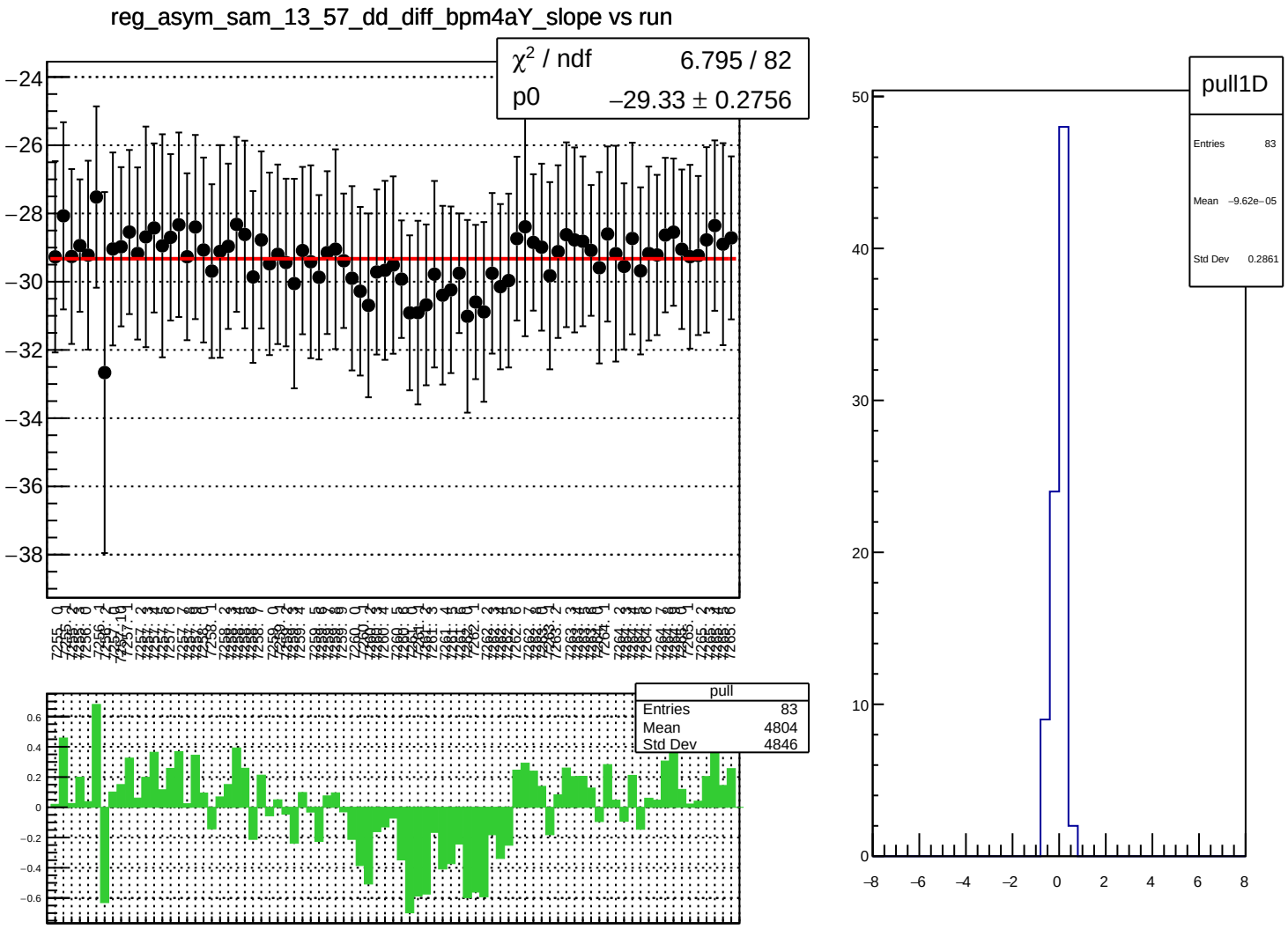

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 349.3 / 82
p0 −20.03 ± 0.825
pull
Entries 83
Mean −123.2
Std Dev 159.8
pull1D
Entries 83
Mean −0.1837
Std Dev 2.043

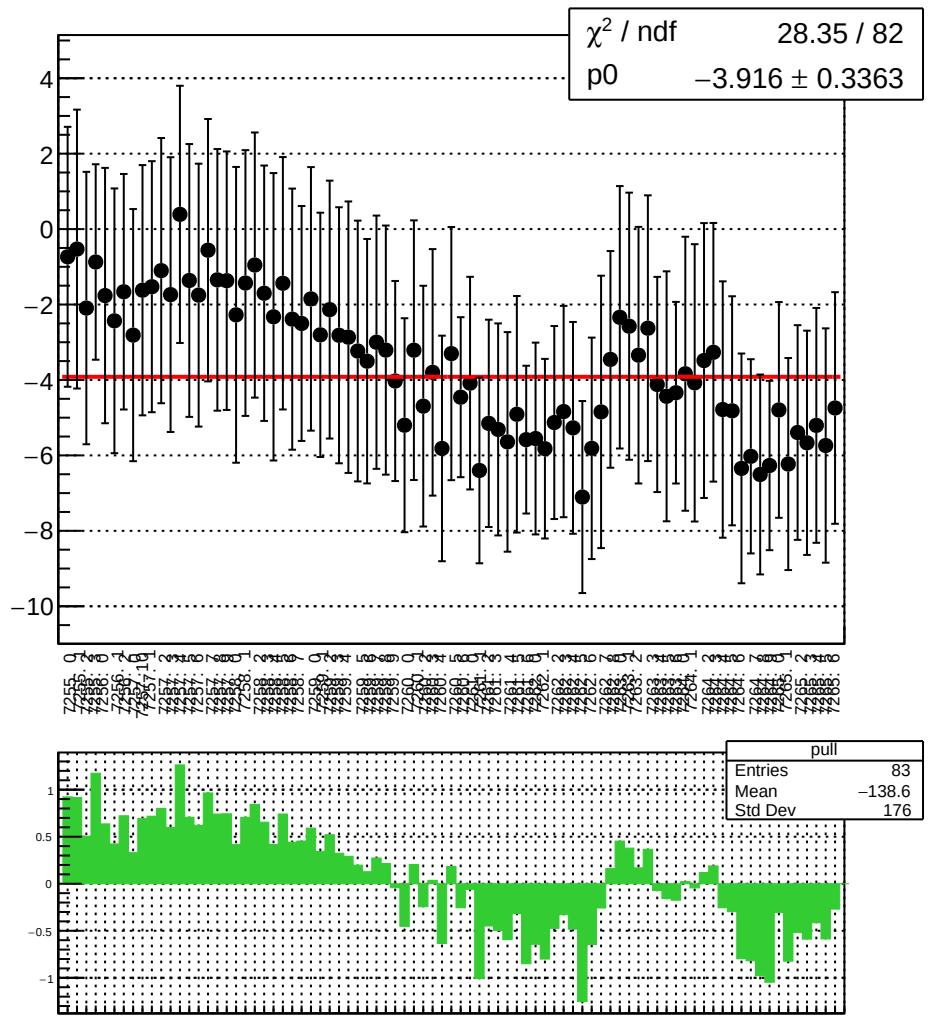

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 106 / 82
p0 62.25 ± 0.7092
pull
Entries 83
Mean −958.6
Std Dev 996.4

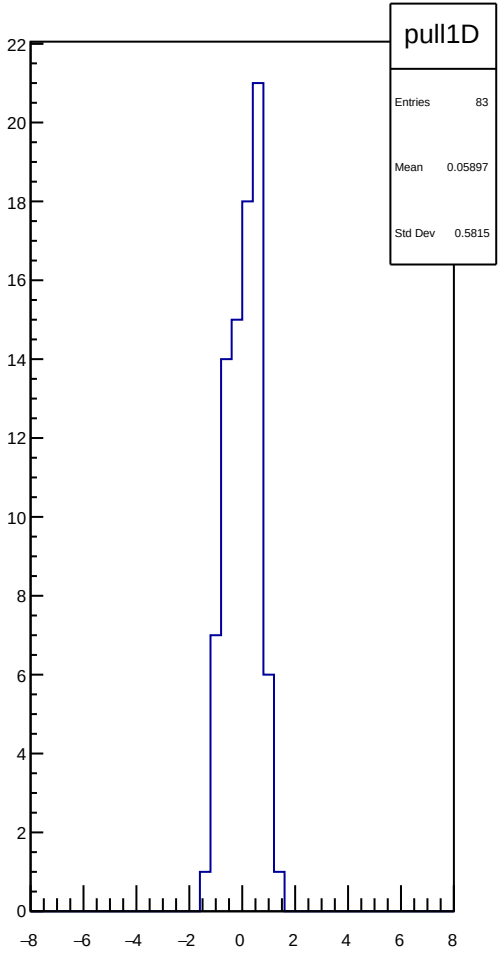

pull1D
Entries 83
Mean 0.01587
Std Dev 1.13

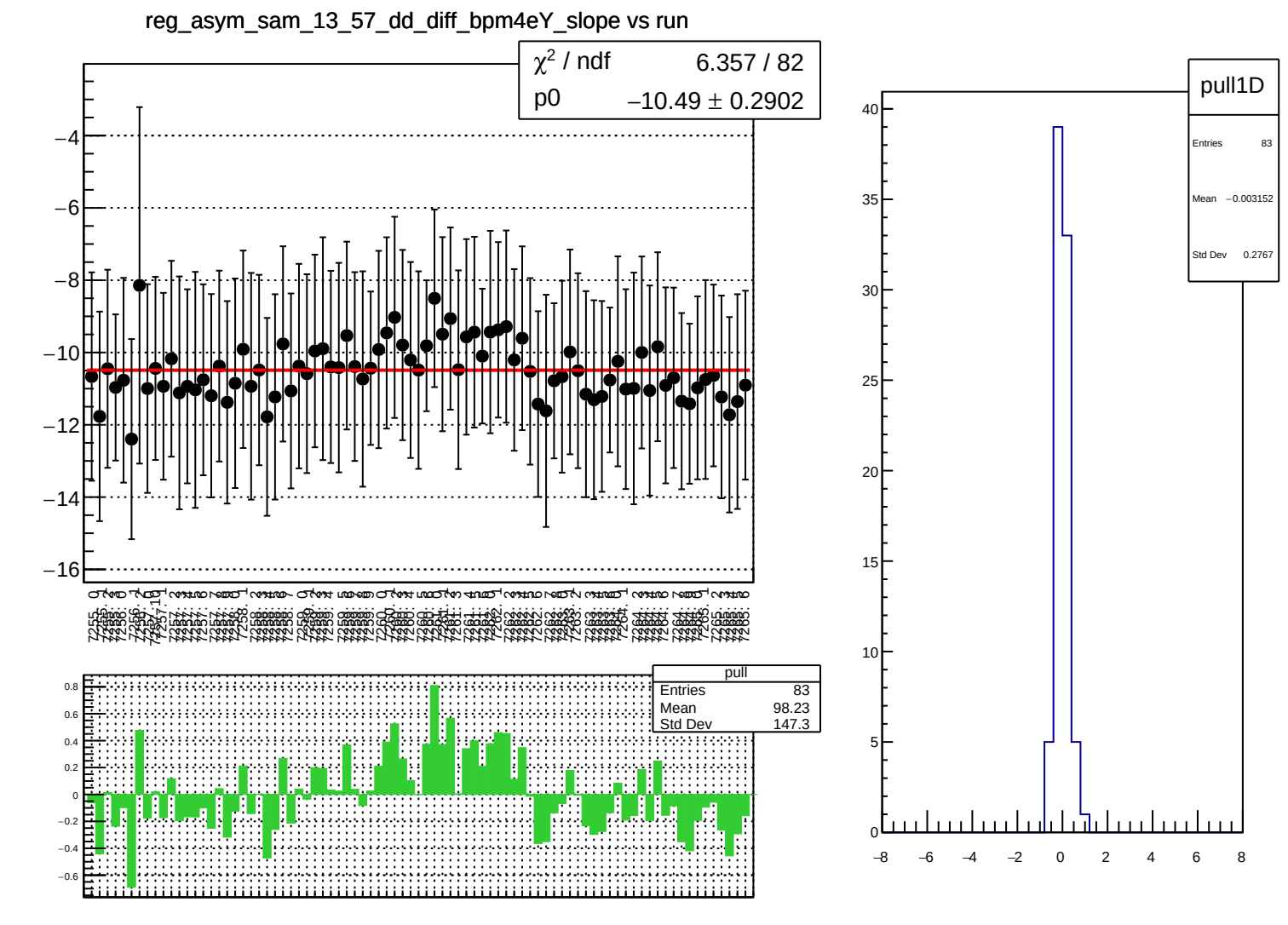

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.22 / 82
p0 −0.4945 ± 0.02984
pull
Entries 83
Mean 547.2
Std Dev 507.7
pull1D
Entries 83
Mean −0.01565
Std Dev 0.4683

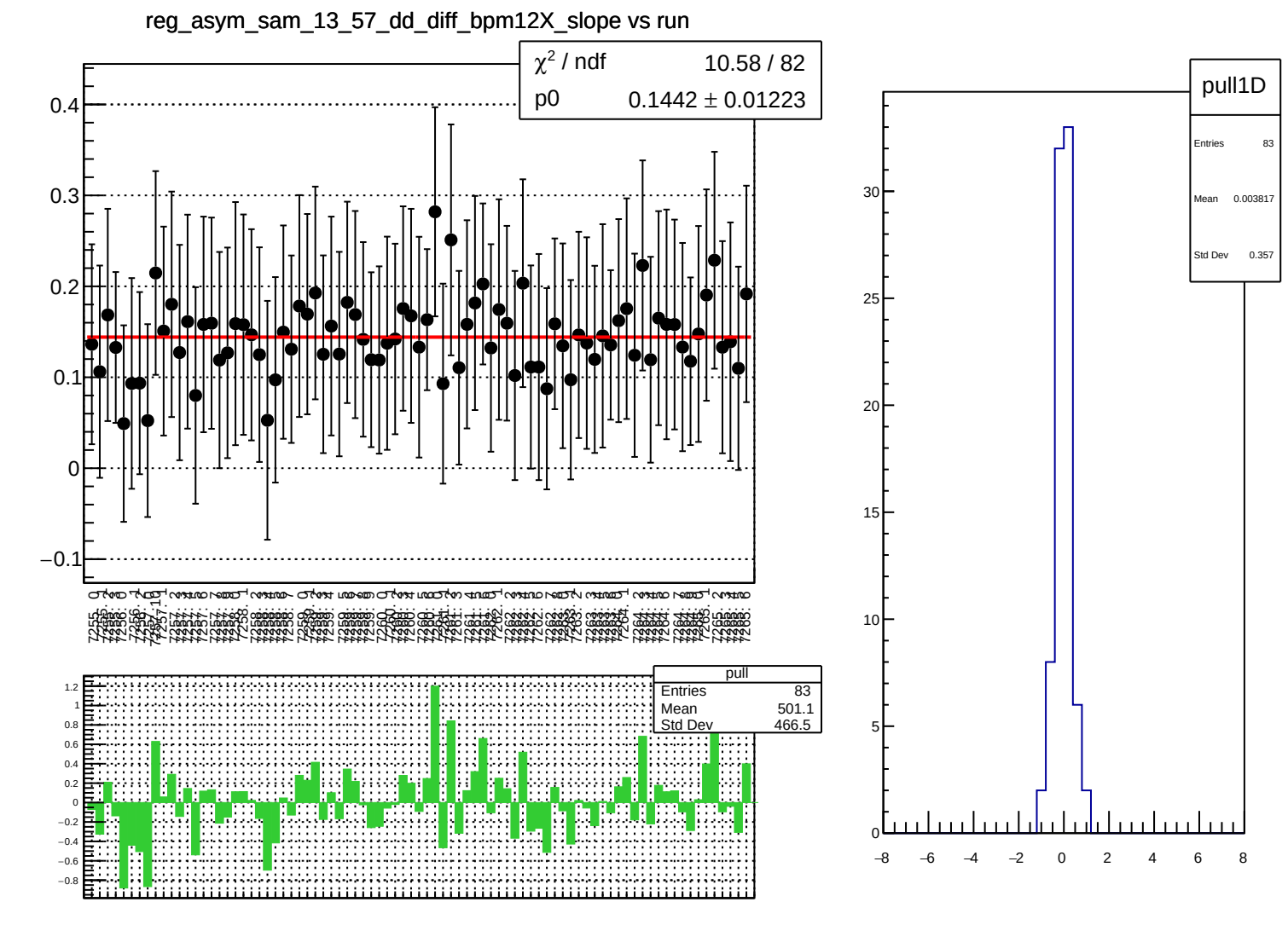

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 21.88 / 82
p0 −10.38 ± 0.3099
pull
Entries 83
Mean −161.2
Std Dev 199
pull1D
Entries 83
Mean −0.04734
Std Dev 0.5112

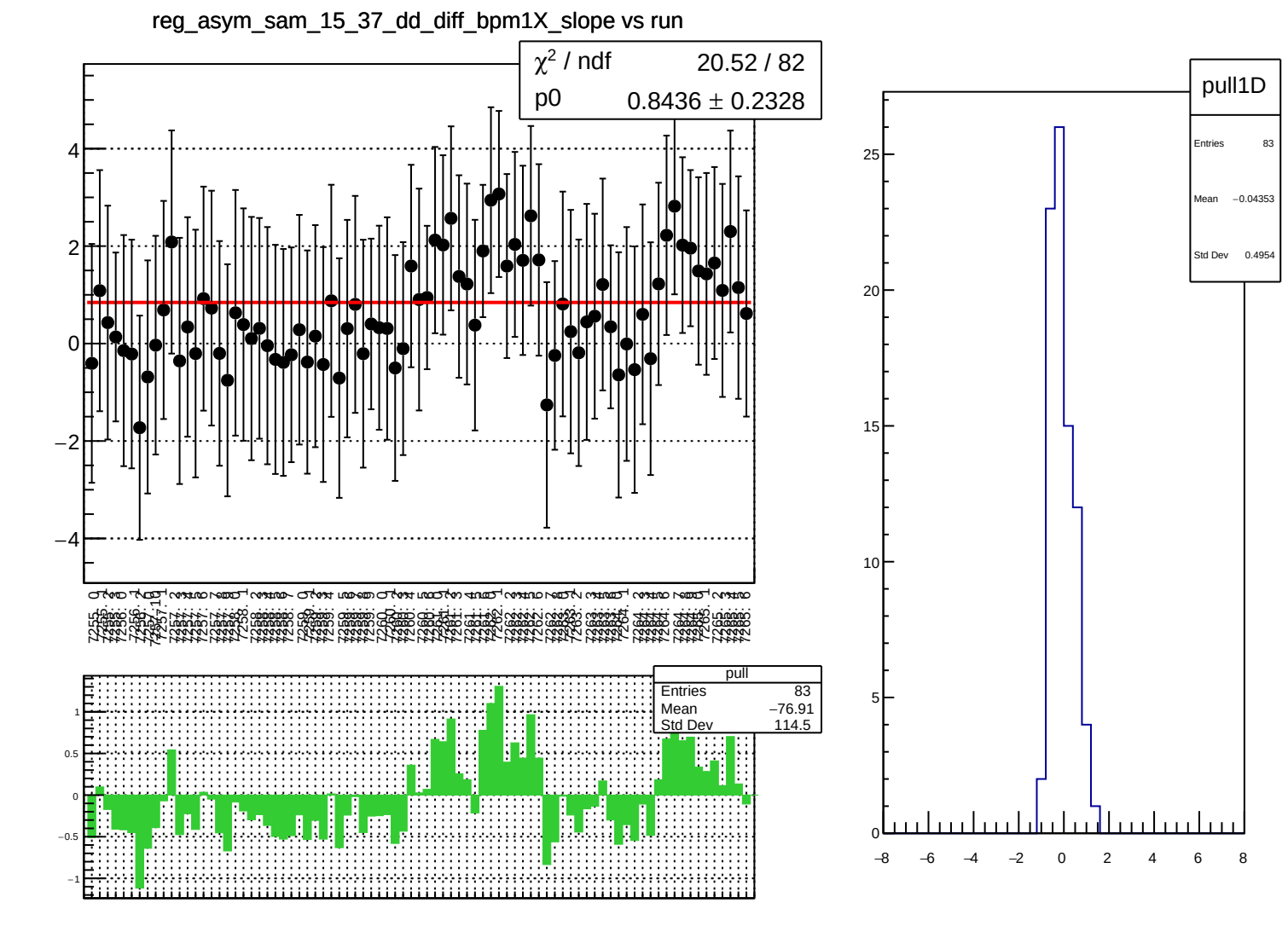

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.795 / 82
p0 −29.33 ± 0.2756
pull
Entries 83
Mean 4804
Std Dev 4846
pull1D
Entries 83
Mean −9.62e−05
Std Dev 0.2861

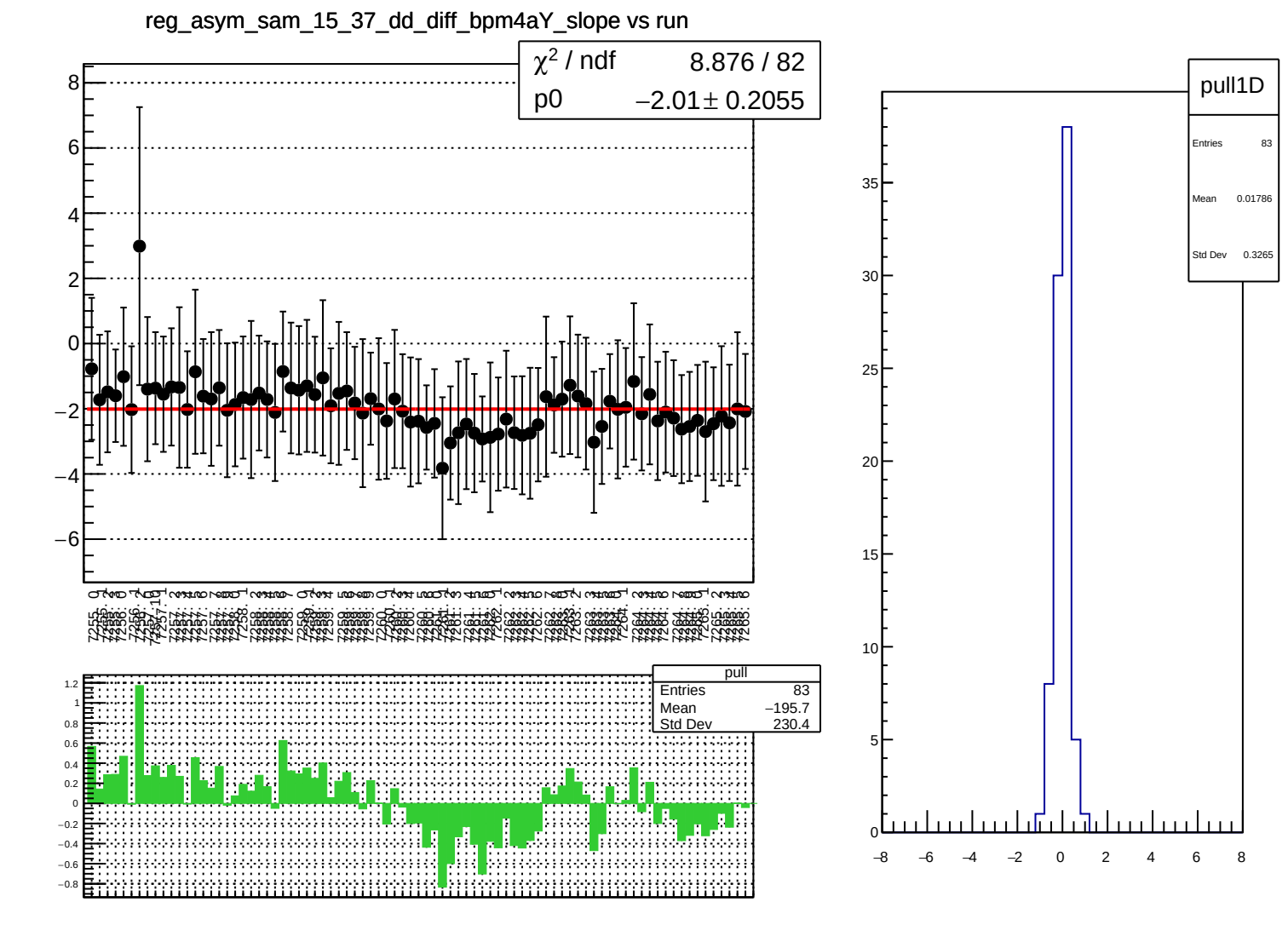

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.35 / 82
p0 −3.916 ± 0.3363
pull
Entries 83
Mean −138.6
Std Dev 176

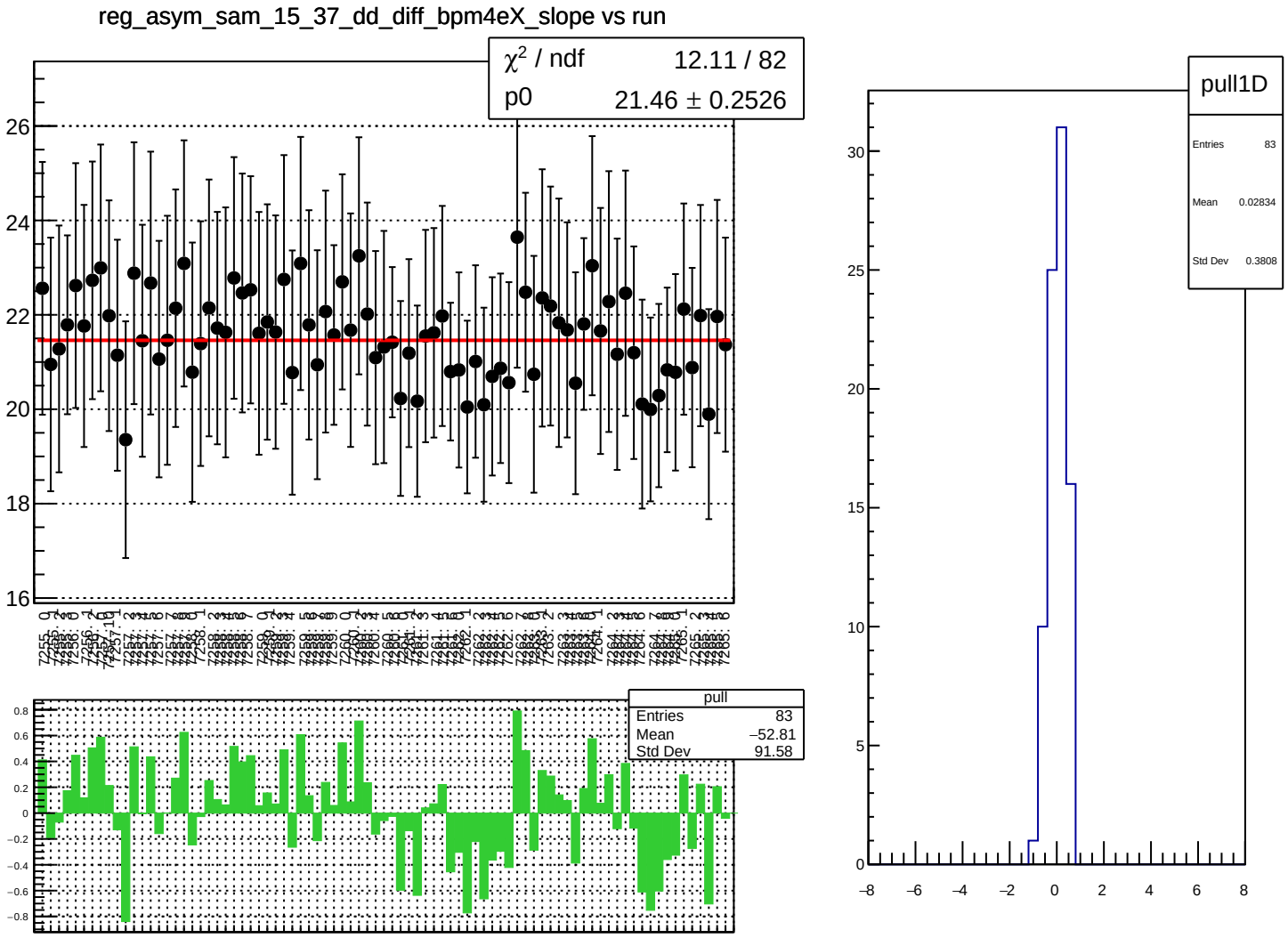

pull1D
Entries 83
Mean 0.05897
Std Dev 0.5815

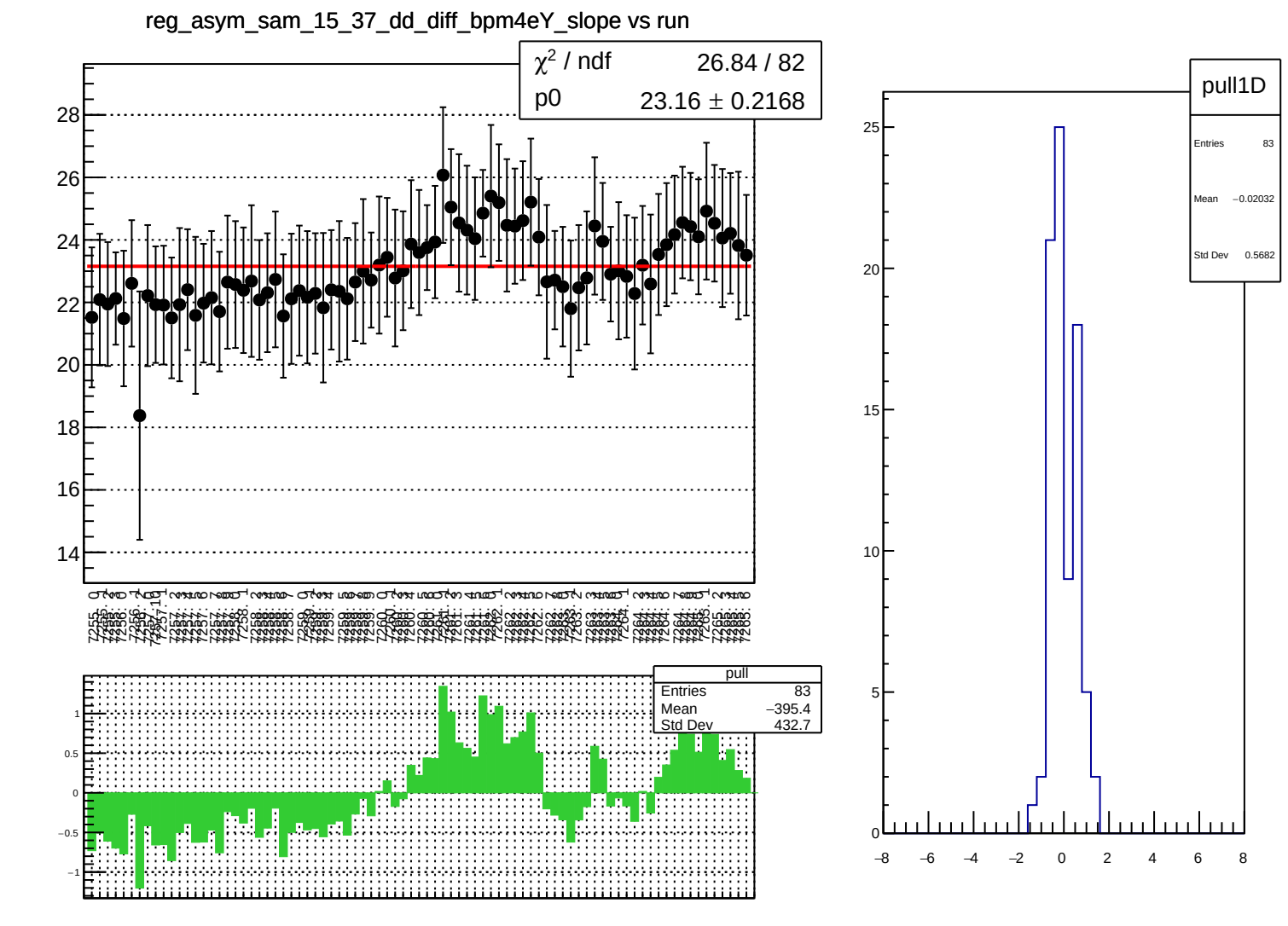

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.357 / 82
p0 −10.49 ± 0.2902
pull
Entries 83
Mean 98.23
Std Dev 147.3
pull1D
Entries 83
Mean −0.003152
Std Dev 0.2767

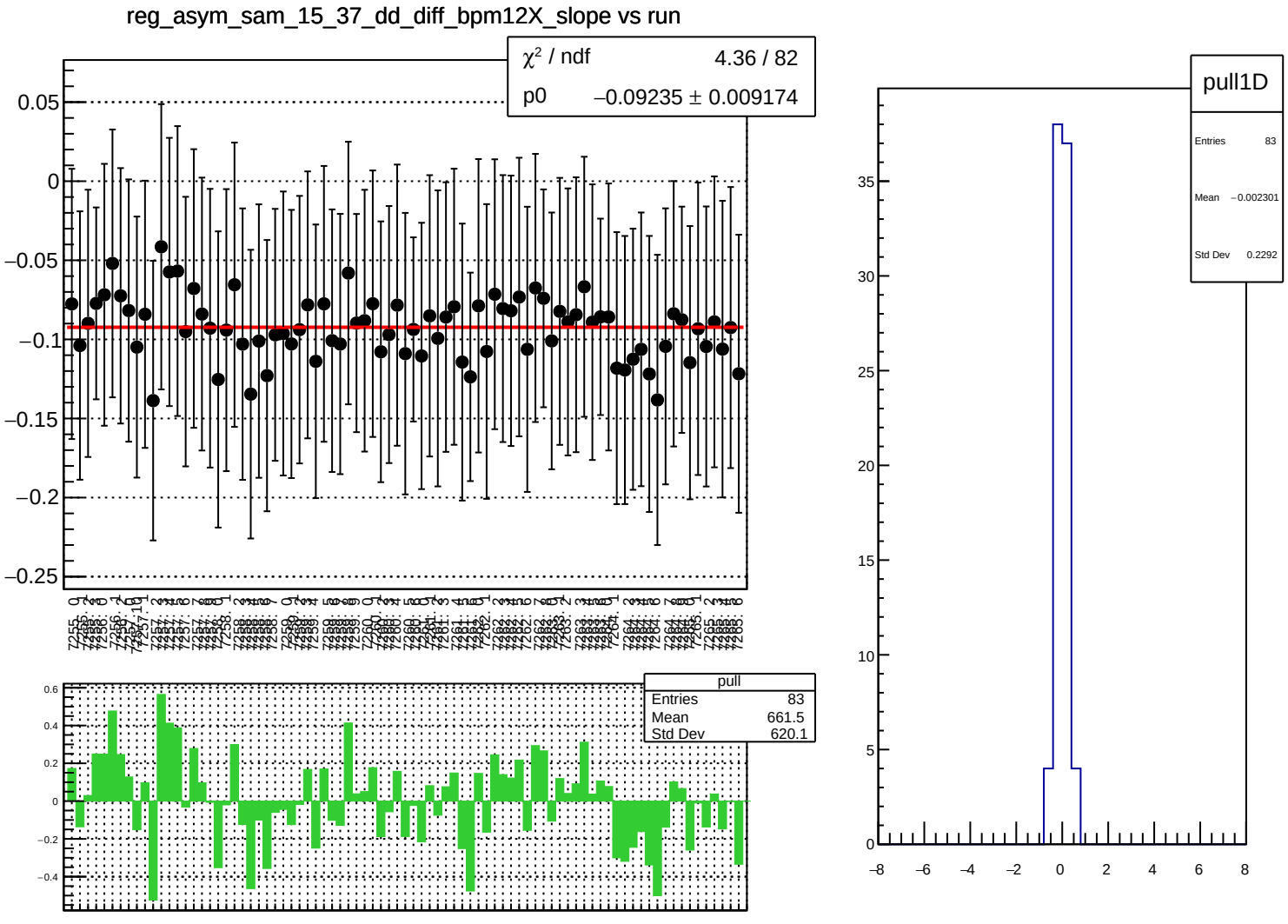

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 10.58 / 82
p0 0.1442 ± 0.01223
pull
Entries 83
Mean 501.1
Std Dev 466.5
pull1D
Entries 83
Mean 0.003817
Std Dev 0.357

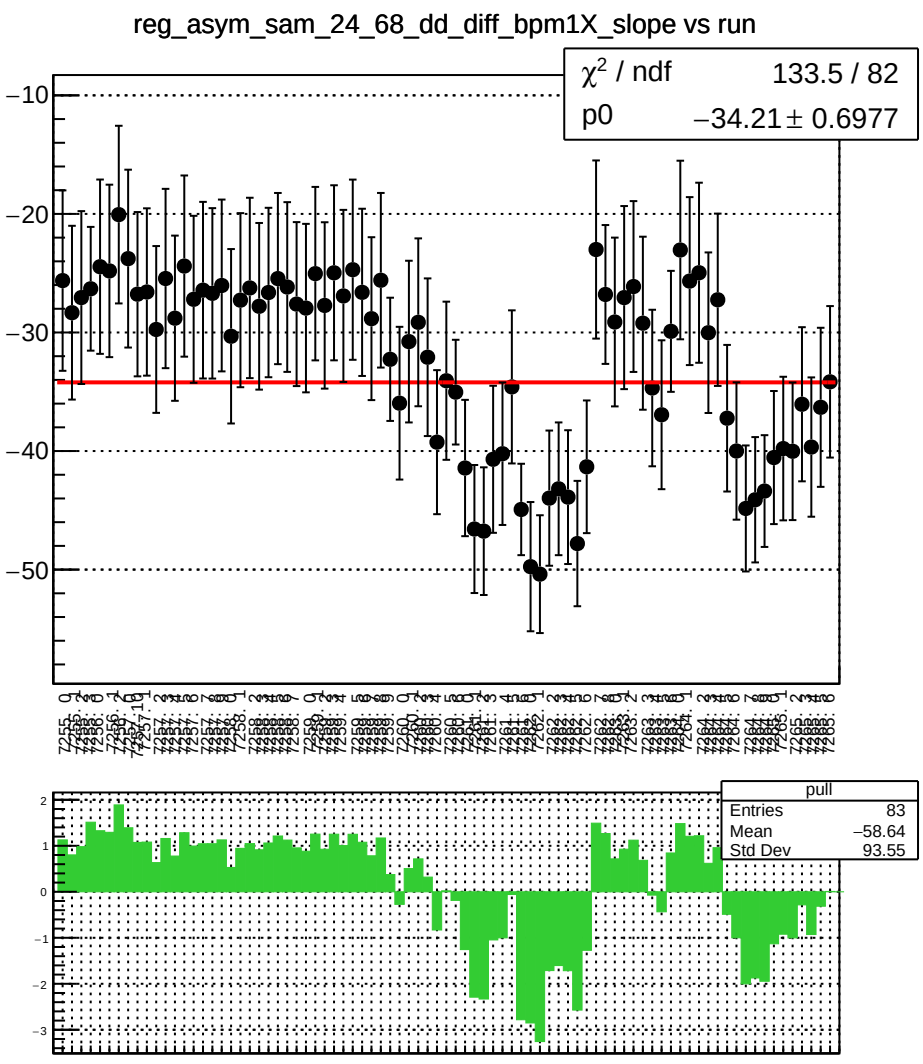

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 20.52 / 82
p0 0.8436 ± 0.2328
pull
Entries 83
Mean −76.91
Std Dev 114.5
pull1D
Entries 83
Mean −0.04353
Std Dev 0.4954

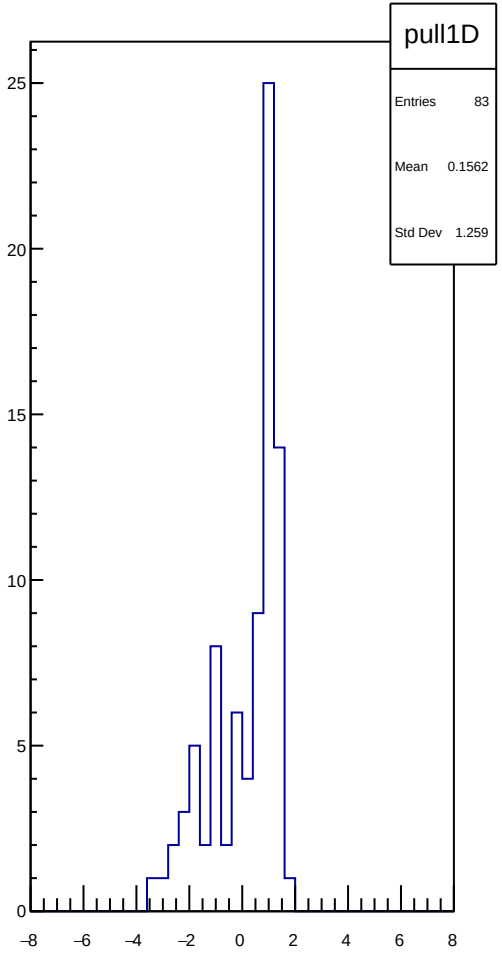

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.876 / 82
p0 −2.01 ± 0.2055
pull
Entries 83
Mean −195.7
Std Dev 230.4
pull1D
Entries 83
Mean 0.01786
Std Dev 0.3265

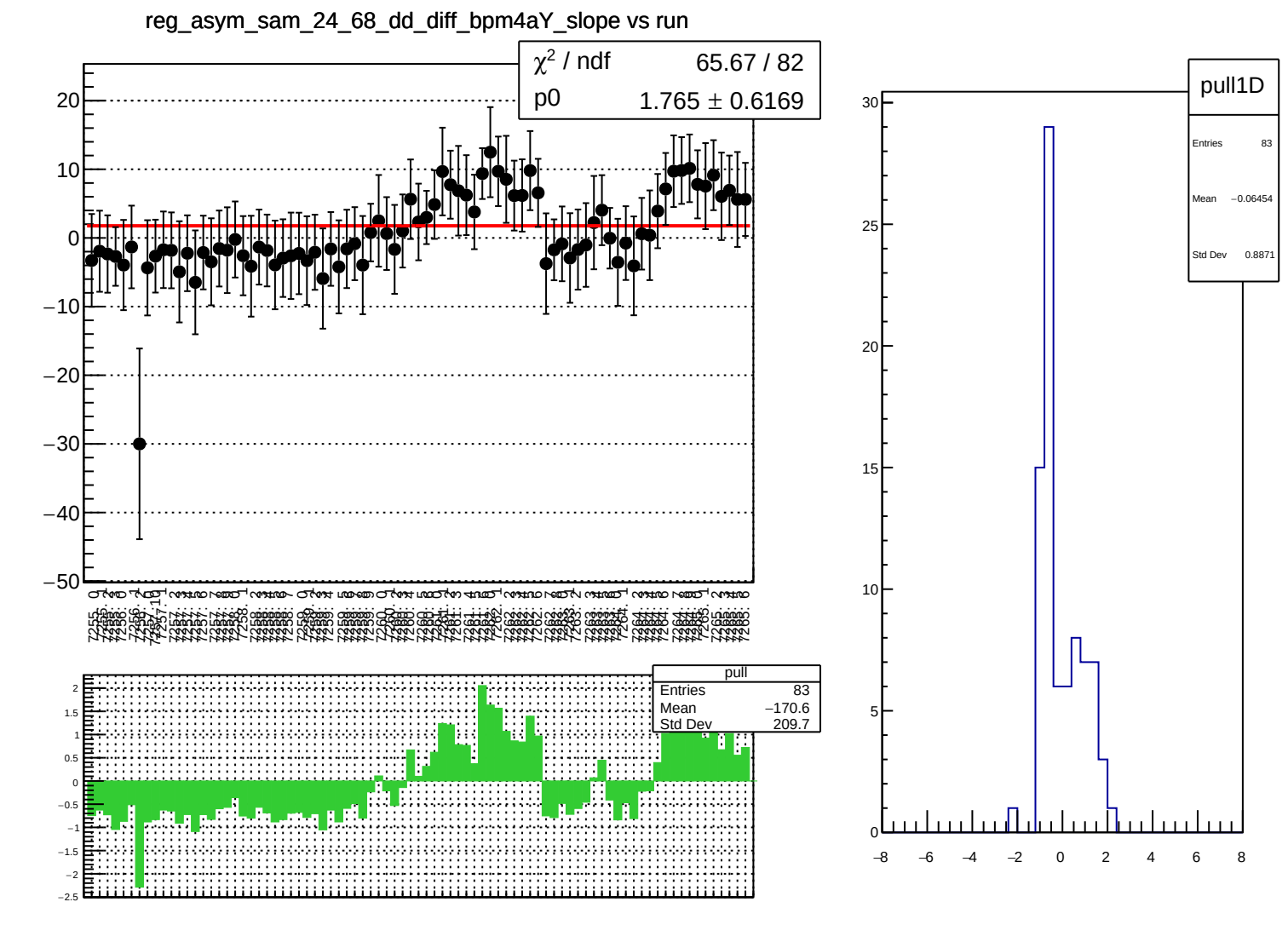

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.11 / 82
p0 21.46 ± 0.2526
pull
Entries 83
Mean −52.81
Std Dev 91.58
pull1D
Entries 83
Mean 0.02834
Std Dev 0.3808

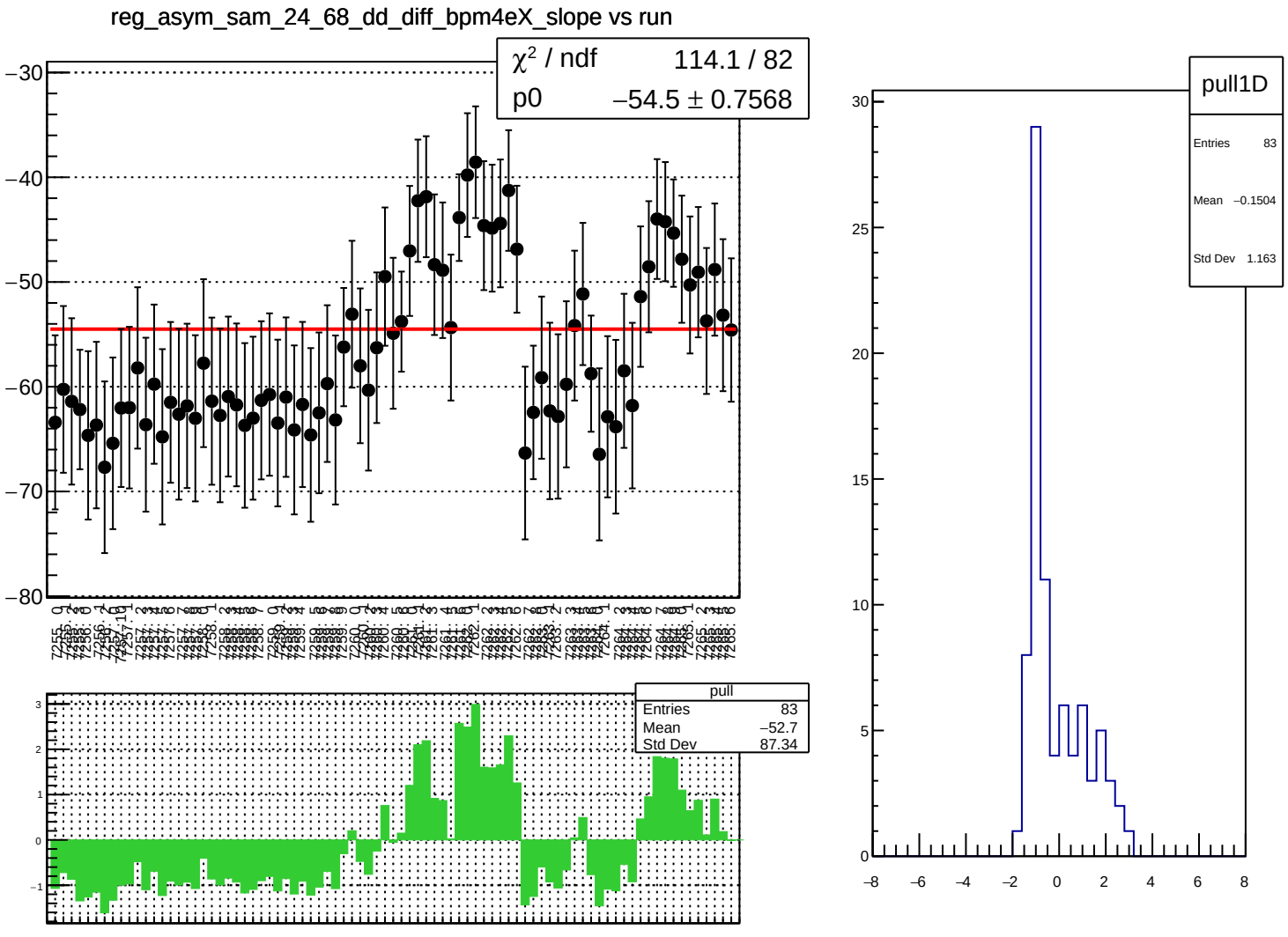

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.84 / 82
p0 23.16 ± 0.2168
pull
Entries 83
Mean −395.4
Std Dev 432.7
pull1D
Entries 83
Mean −0.02032
Std Dev 0.5682

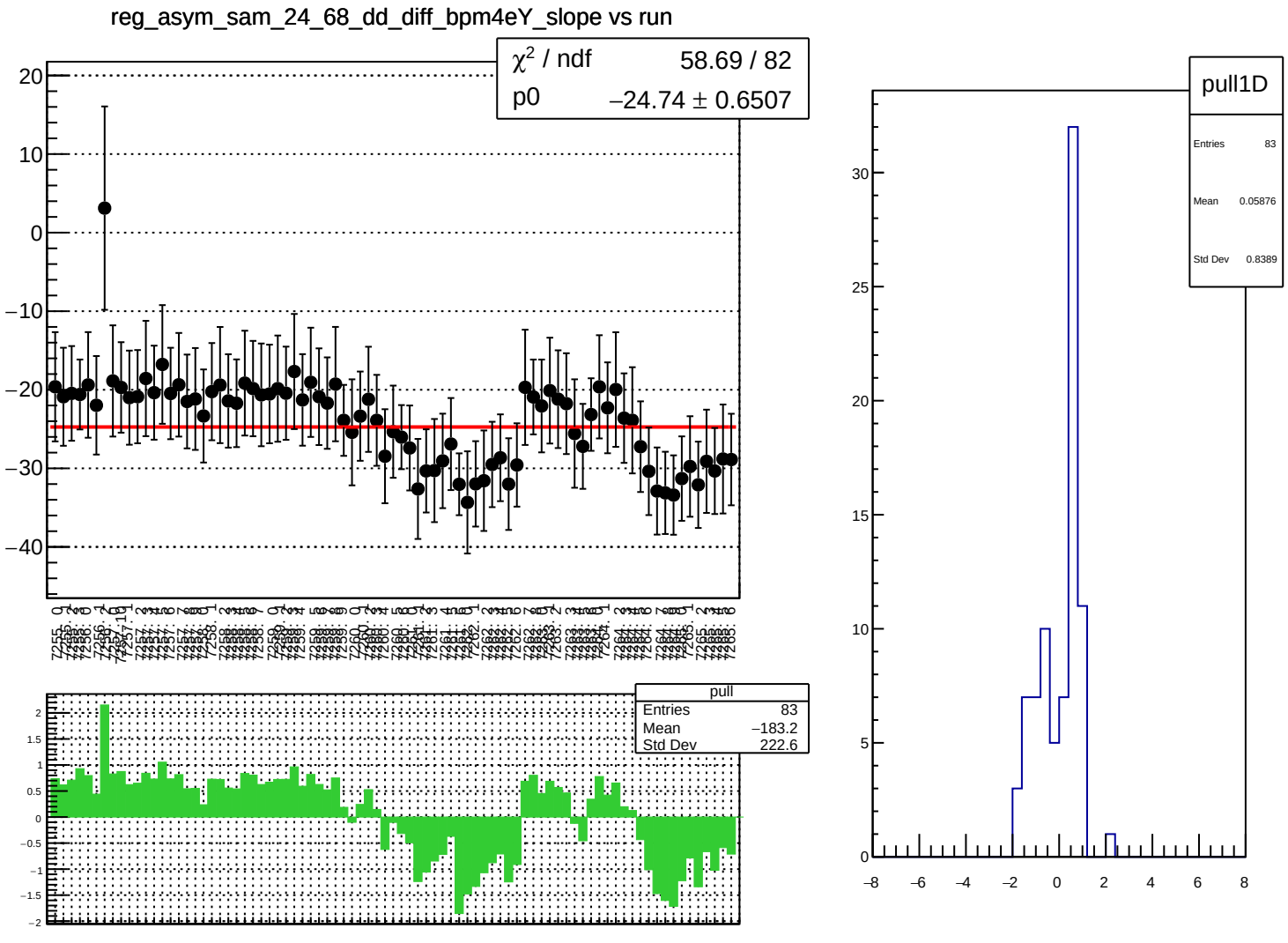

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.36 / 82
p0 −0.09235 ± 0.009174
pull
Entries 83
Mean 661.5
Std Dev 620.1
pull1D
Entries 83
Mean −0.002301
Std Dev 0.2292

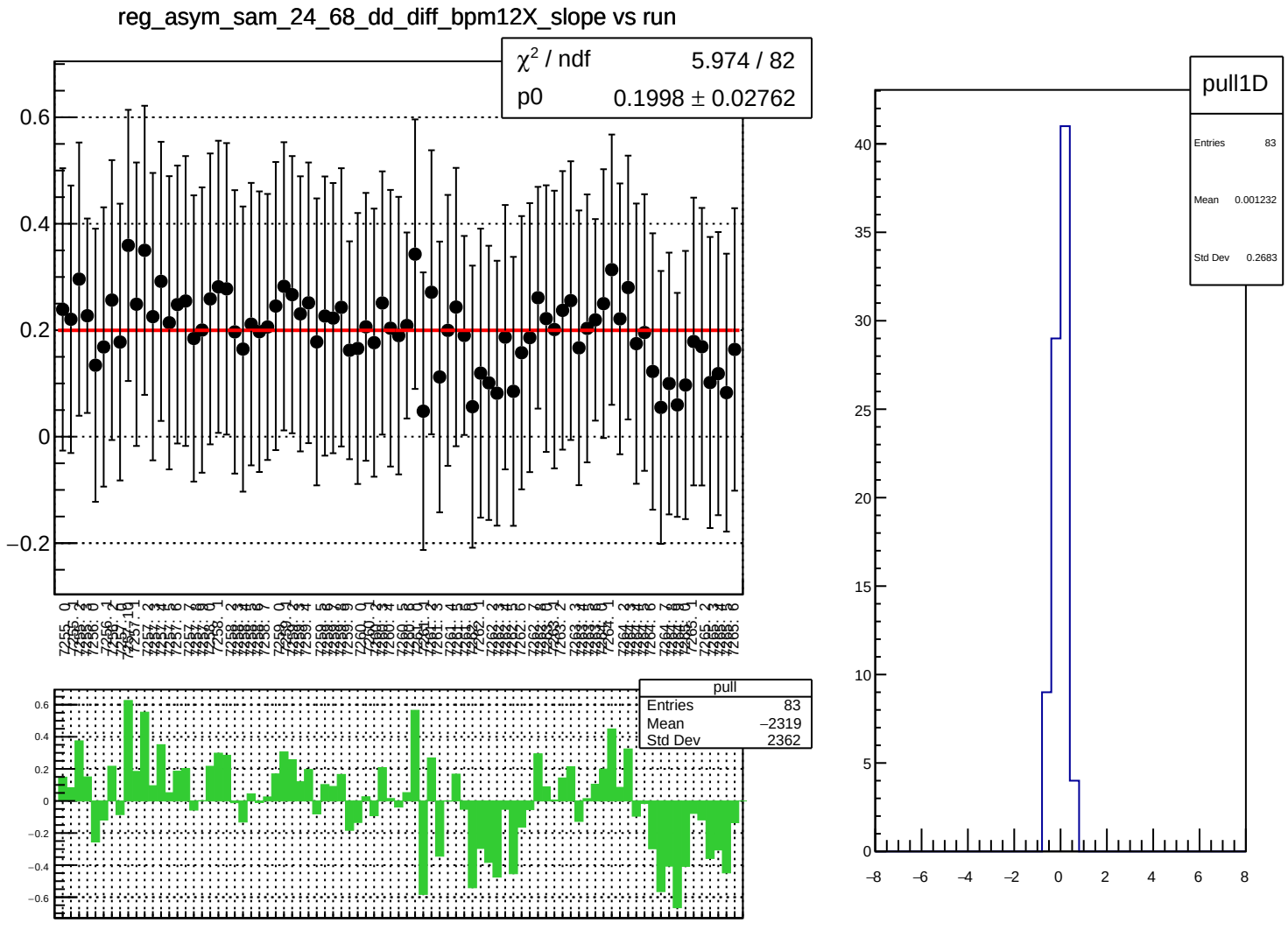

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 133.5 / 82
p0 −34.21 ± 0.6977
pull
Entries 83
Mean −58.64
Std Dev 93.55

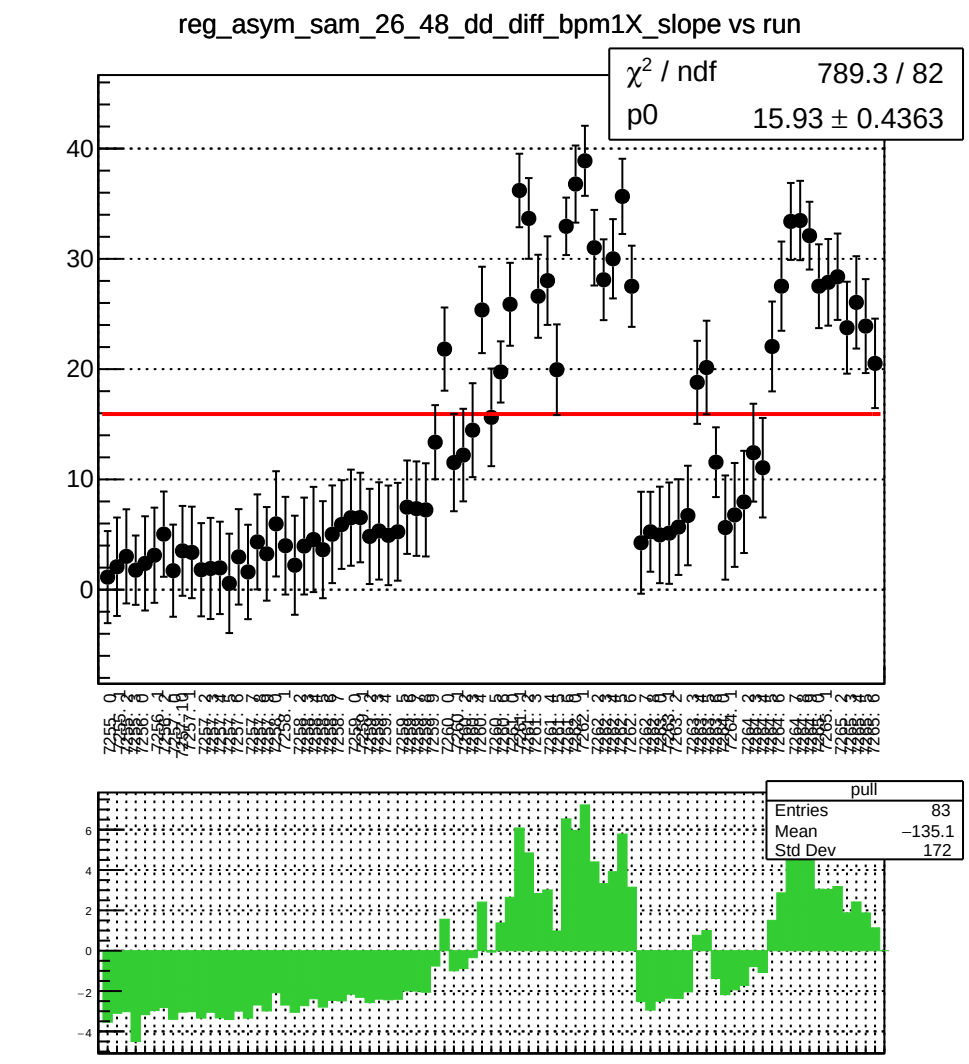

pull1D
Entries 83
Mean 0.1562
Std Dev 1.259

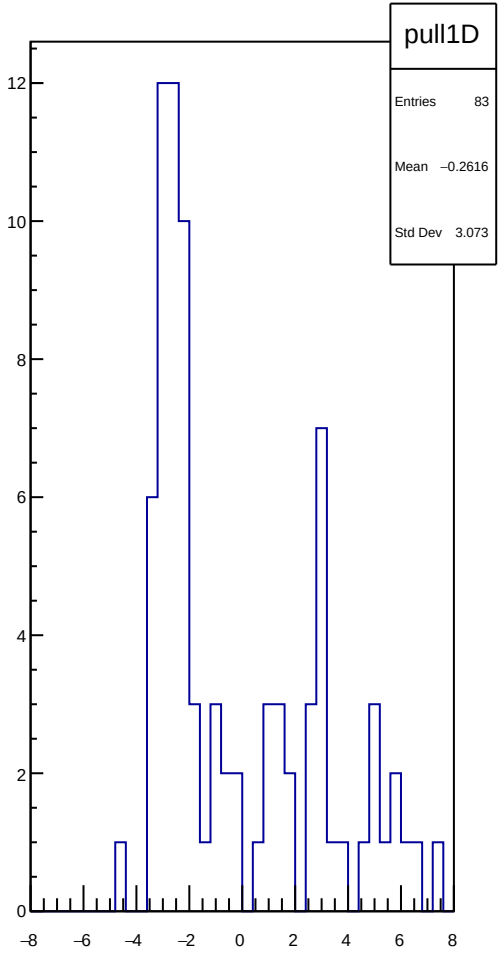

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.67 / 82
p0 1.765 ± 0.6169
pull
Entries 83
Mean −170.6
Std Dev 209.7
pull1D
Entries 83
Mean −0.06454
Std Dev 0.8871

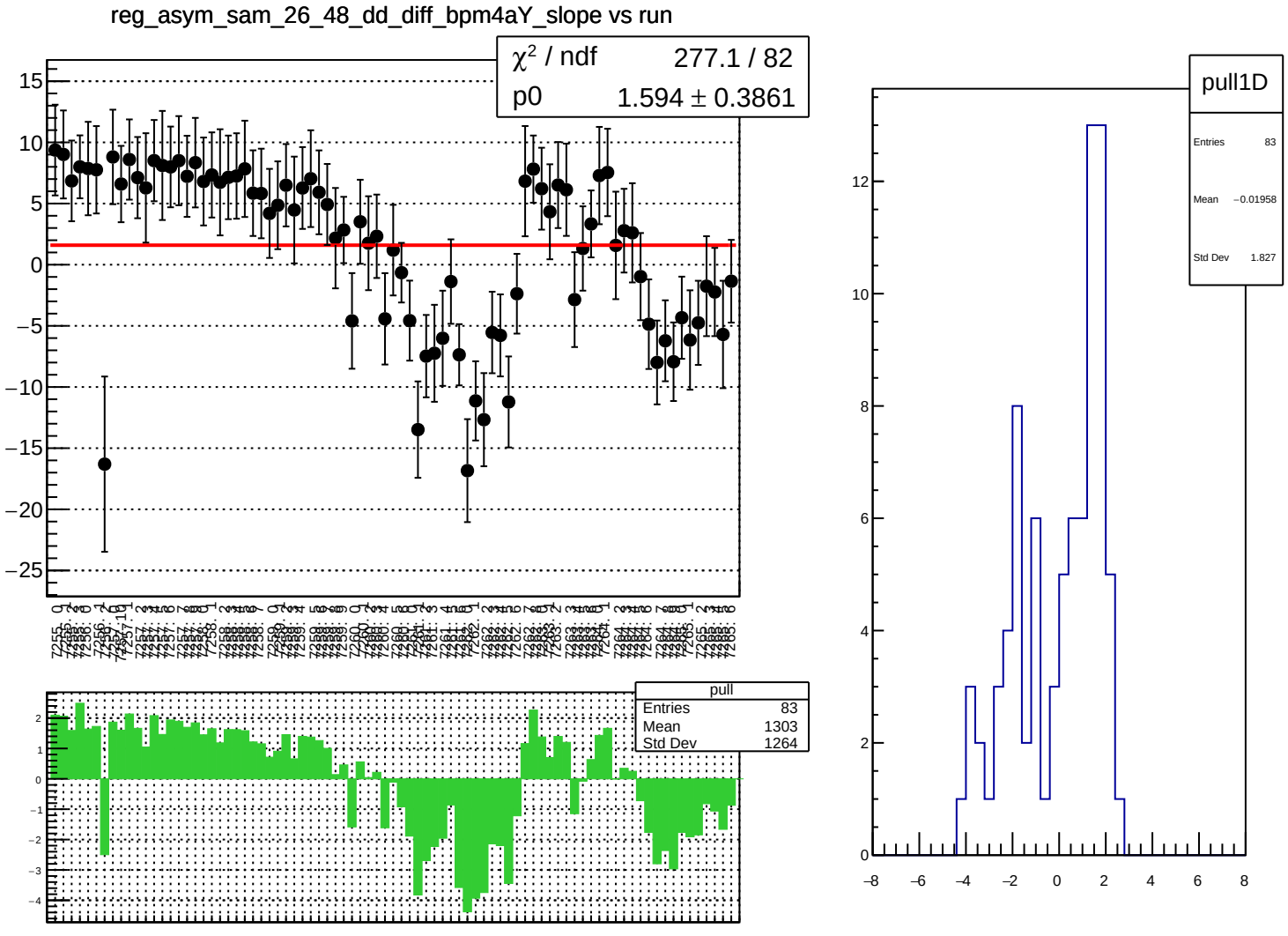

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 114.1 / 82
p0 −54.5 ± 0.7568
pull
Entries 83
Mean −52.7
Std Dev 87.34
pull1D
Entries 83
Mean −0.1504
Std Dev 1.163

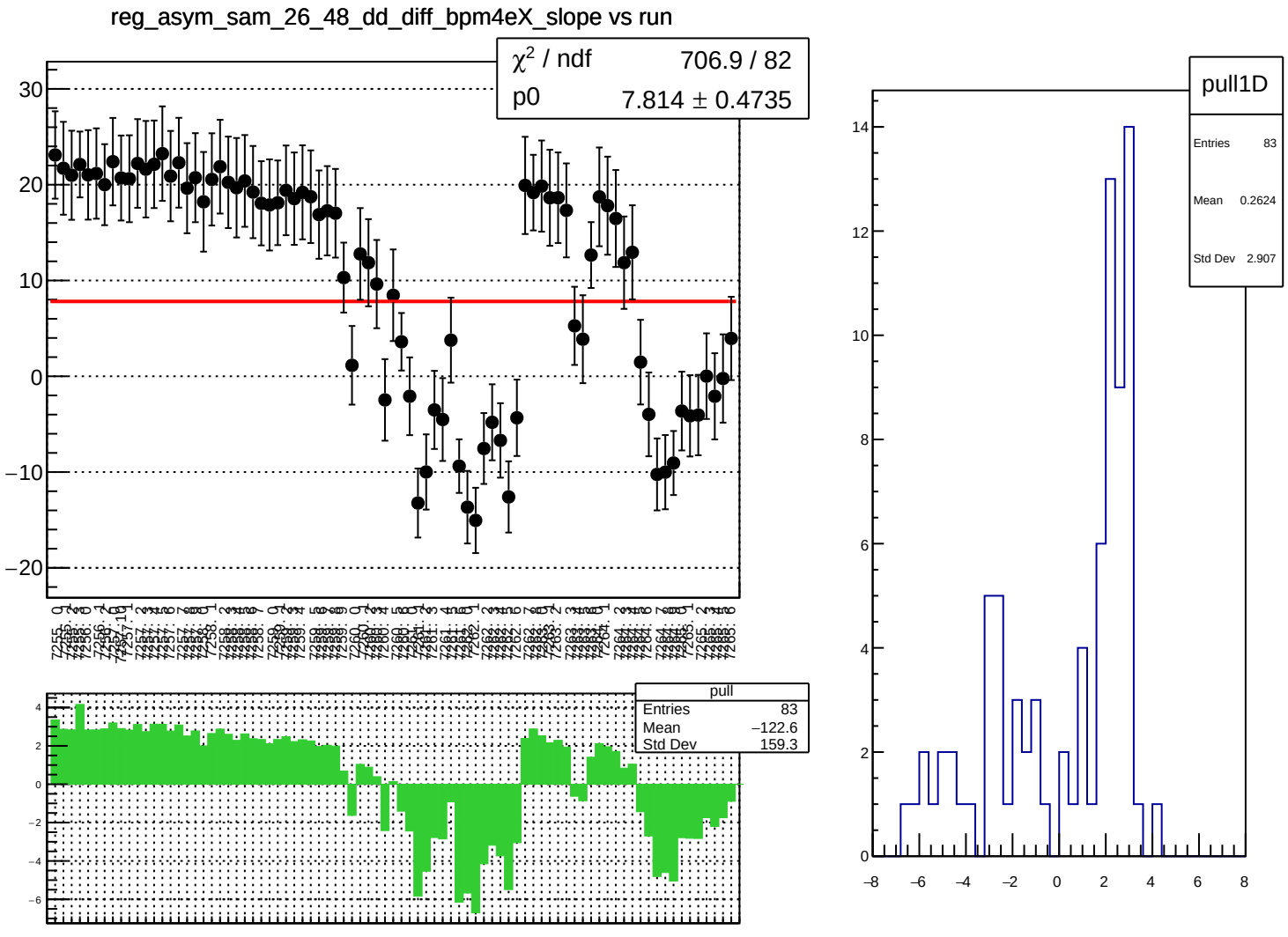

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.69 / 82
p0 −24.74 ± 0.6507
pull
Entries 83
Mean −183.2
Std Dev 222.6
pull1D
Entries 83
Mean 0.05876
Std Dev 0.8389

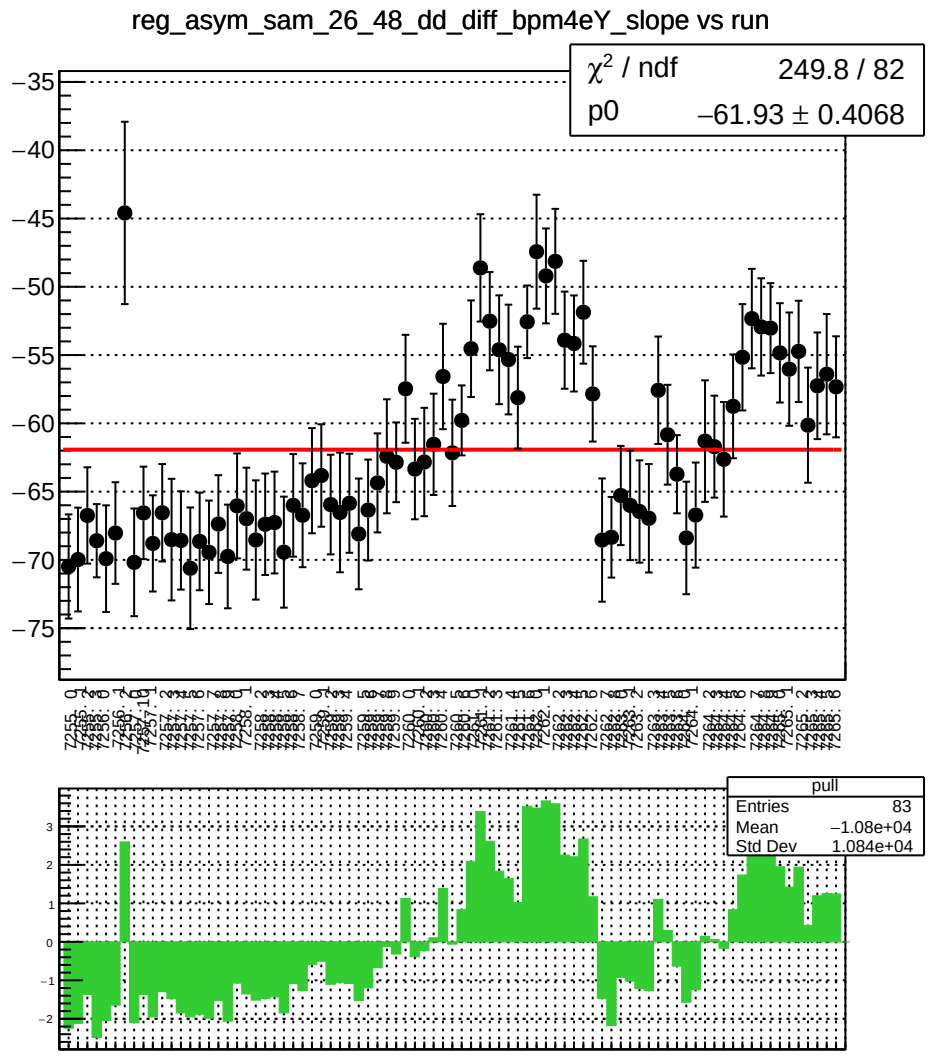

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 5.974 / 82
p0 0.1998 ± 0.02762
pull
Entries 83
Mean −2319
Std Dev 2362
pull1D
Entries 83
Mean 0.001232
Std Dev 0.2683

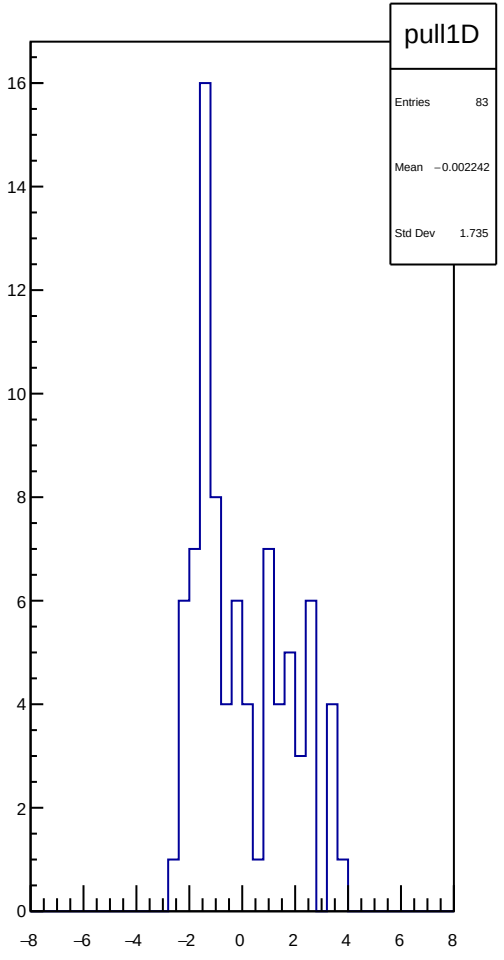

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 789.3 / 82
p0 15.93 ± 0.4363
pull
Entries 83
Mean −135.1
Std Dev 172

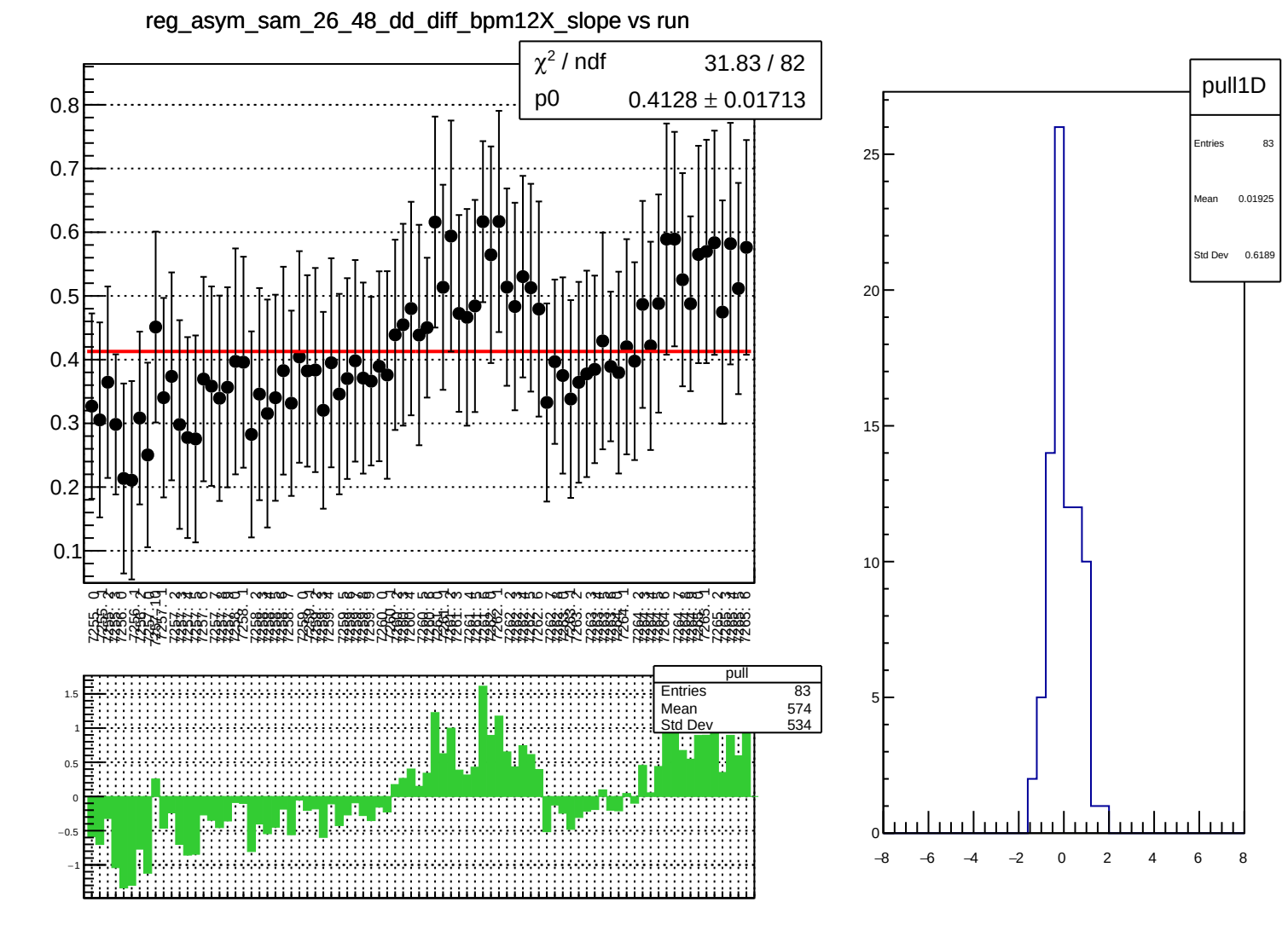

pull1D
Entries 83
Mean −0.2616
Std Dev 3.073

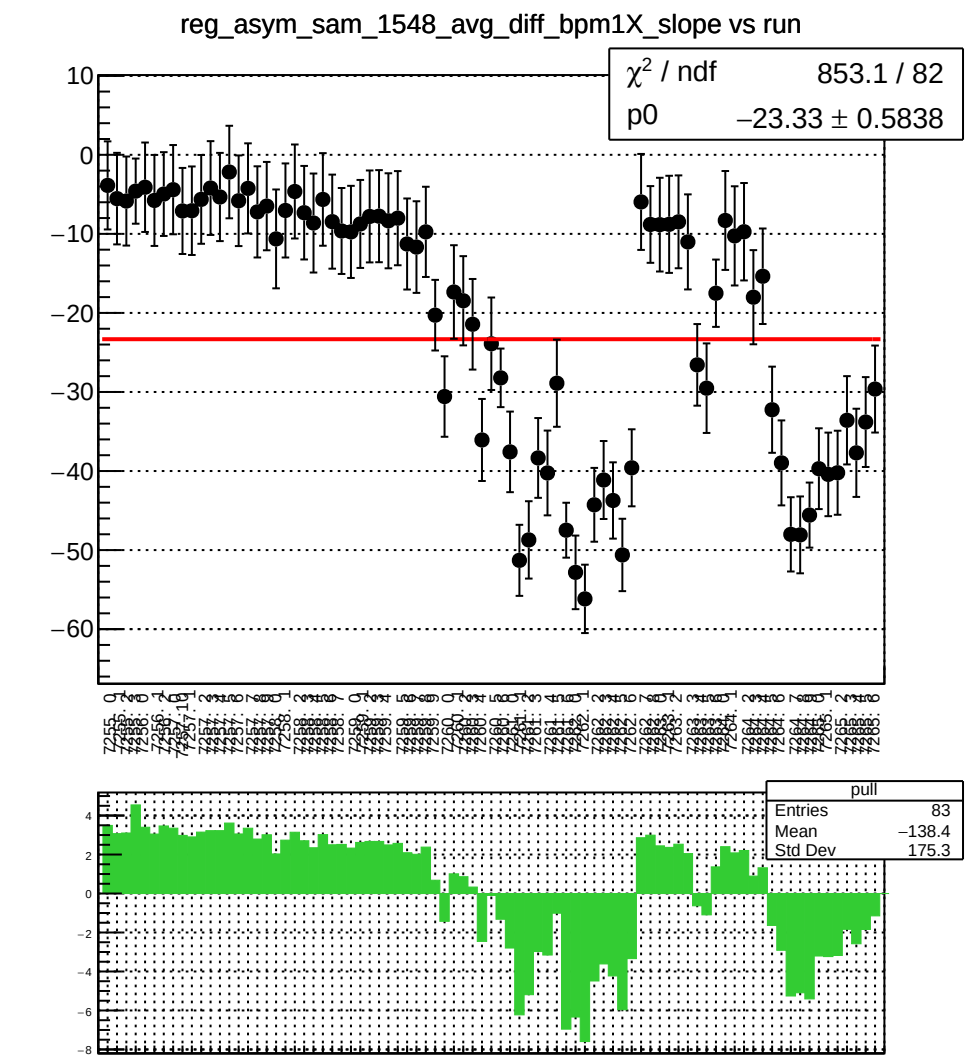

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 277.1 / 82
p0 1.594 ± 0.3861
pull
Entries 83
Mean 1303
Std Dev 1264
pull1D
Entries 83
Mean −0.01958
Std Dev 1.827

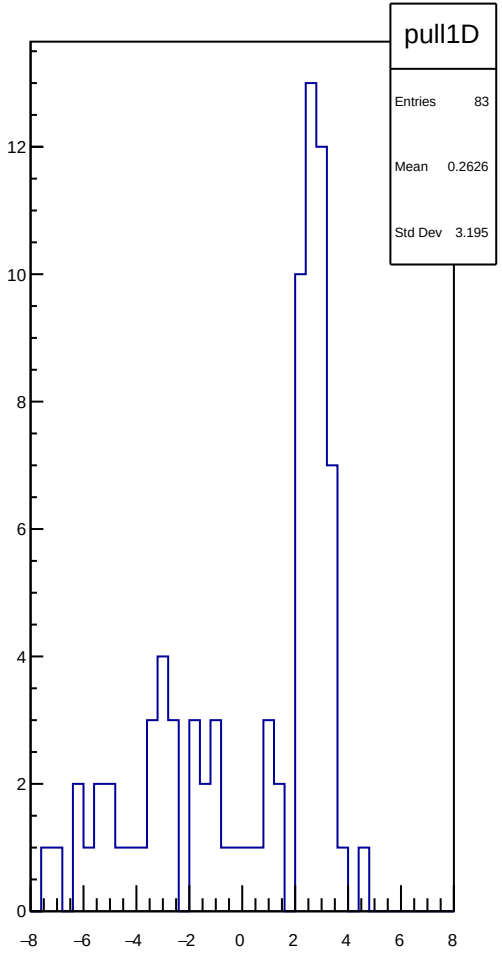

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 706.9 / 82
p0 7.814 ± 0.4735
pull
Entries 83
Mean −122.6
Std Dev 159.3
pull1D
Entries 83
Mean 0.2624
Std Dev 2.907

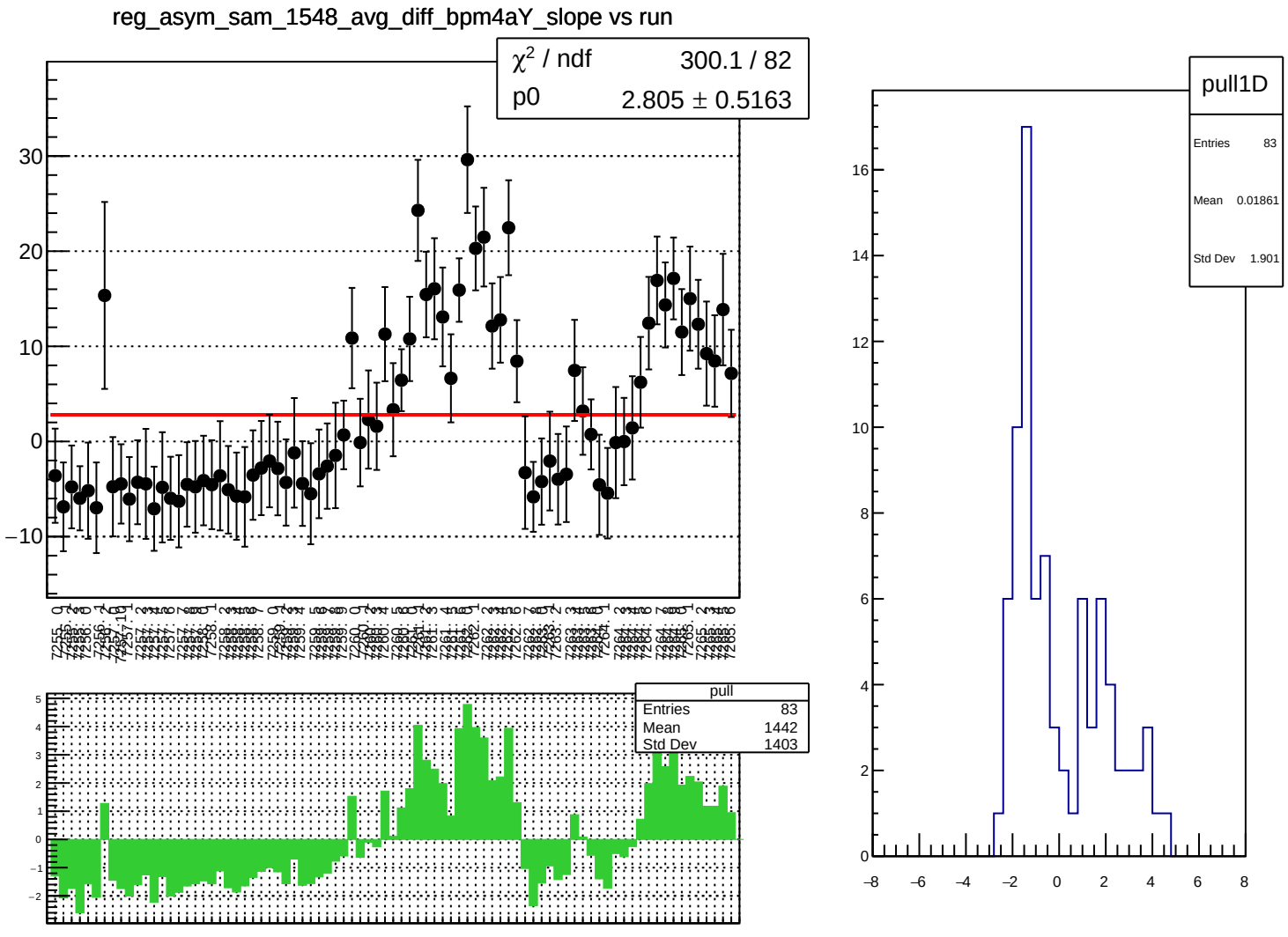

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 249.8 / 82
p0 −61.93 ± 0.4068
pull
Entries 83
Mean −1.08e+04
Std Dev 1.084e+04

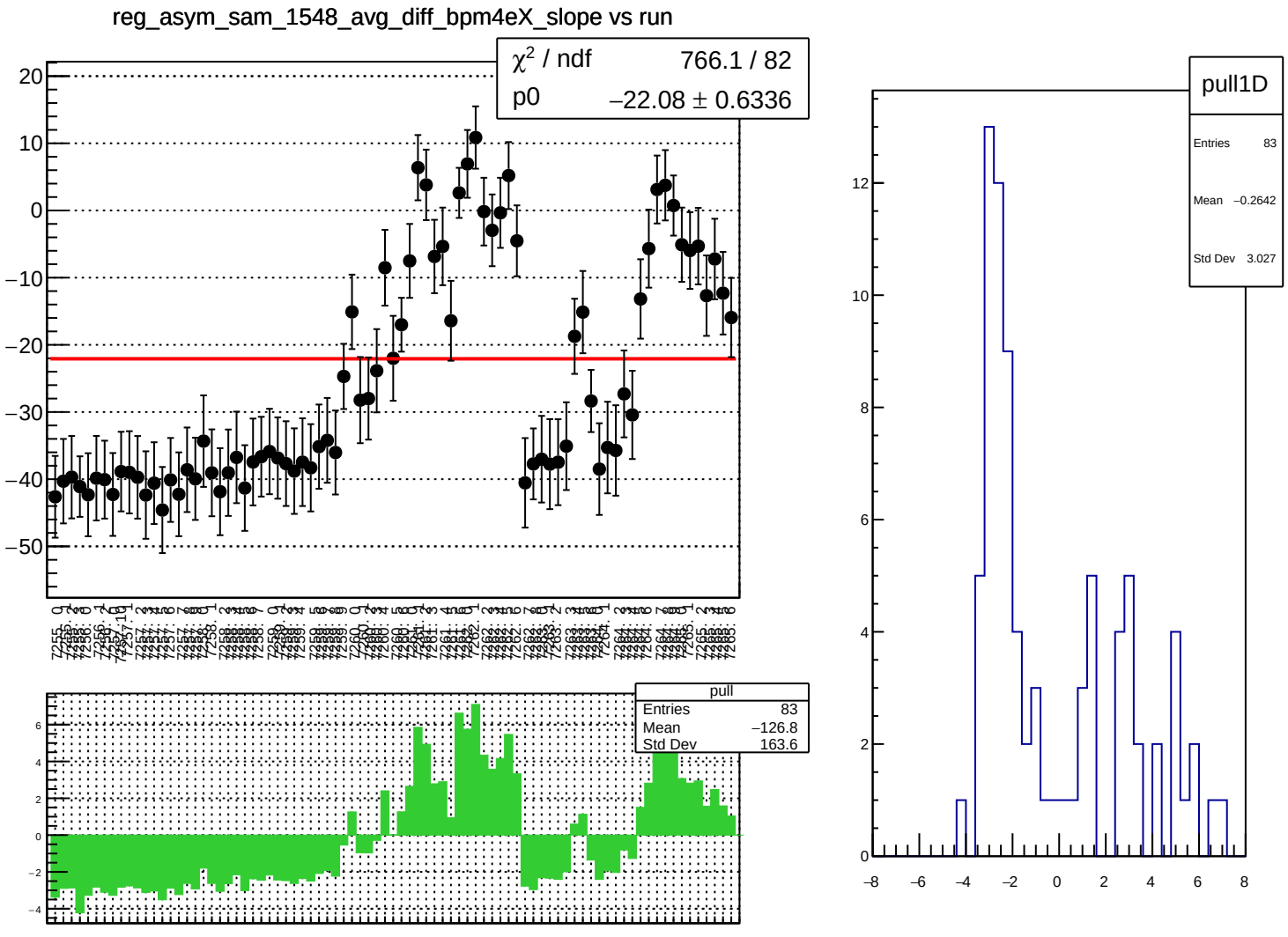

pull1D
Entries 83
Mean −0.002242
Std Dev 1.735

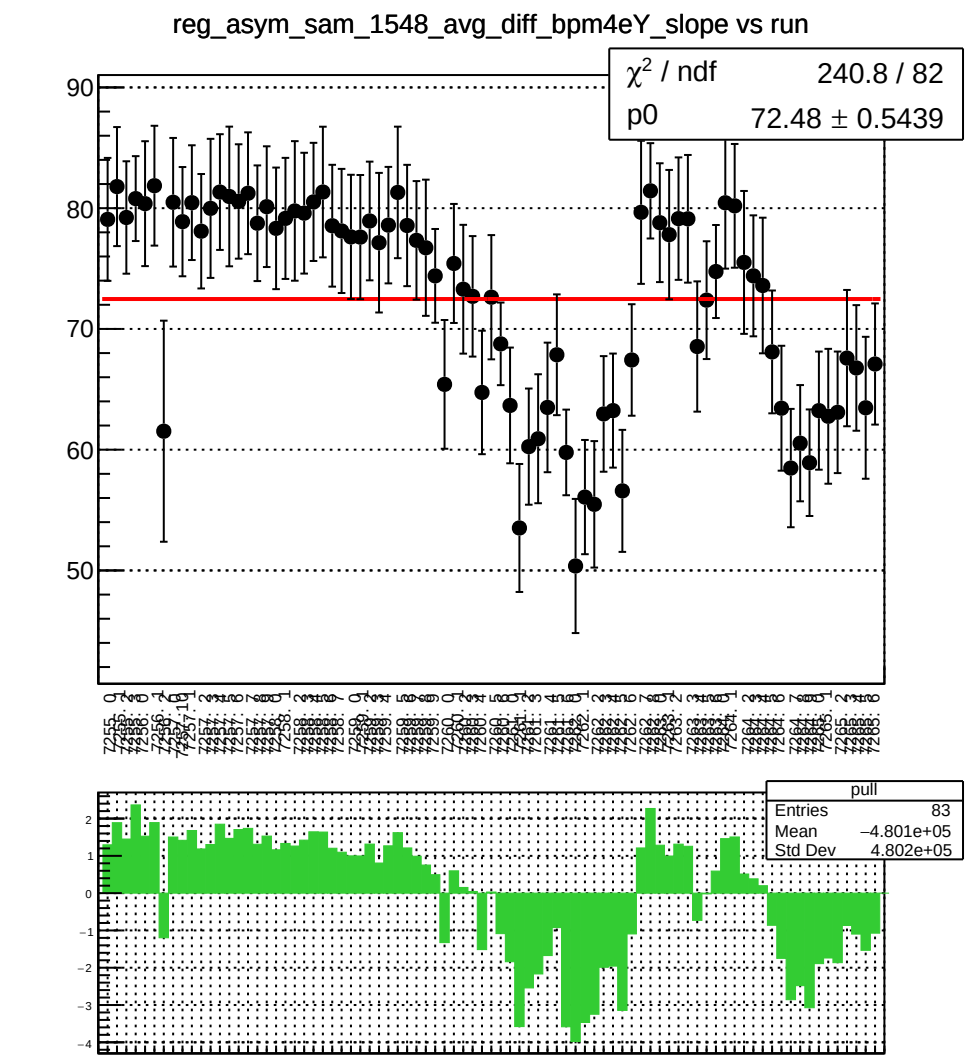

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 31.83 / 82
p0 0.4128 ± 0.01713
pull
Entries 83
Mean 574
Std Dev 534
pull1D
Entries 83
Mean 0.01925
Std Dev 0.6189

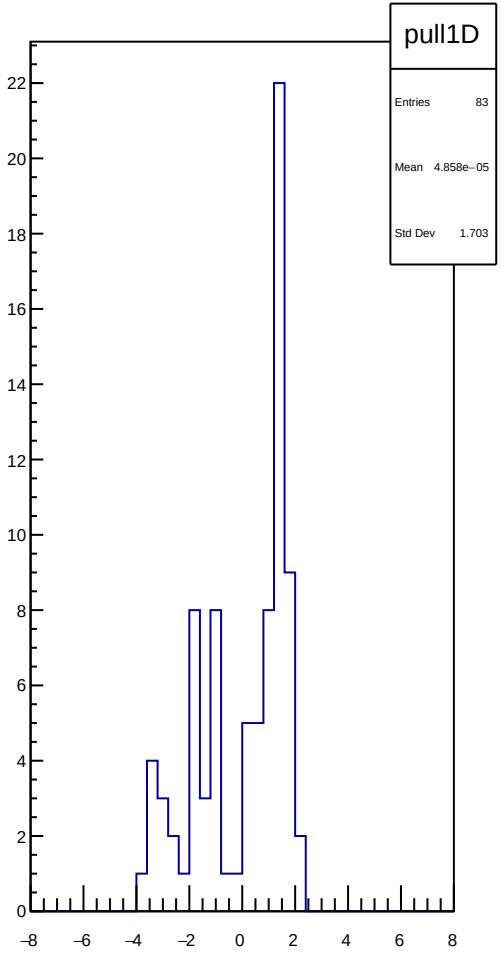

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 853.1 / 82
p0 −23.33 ± 0.5838
pull
Entries 83
Mean −138.4
Std Dev 175.3

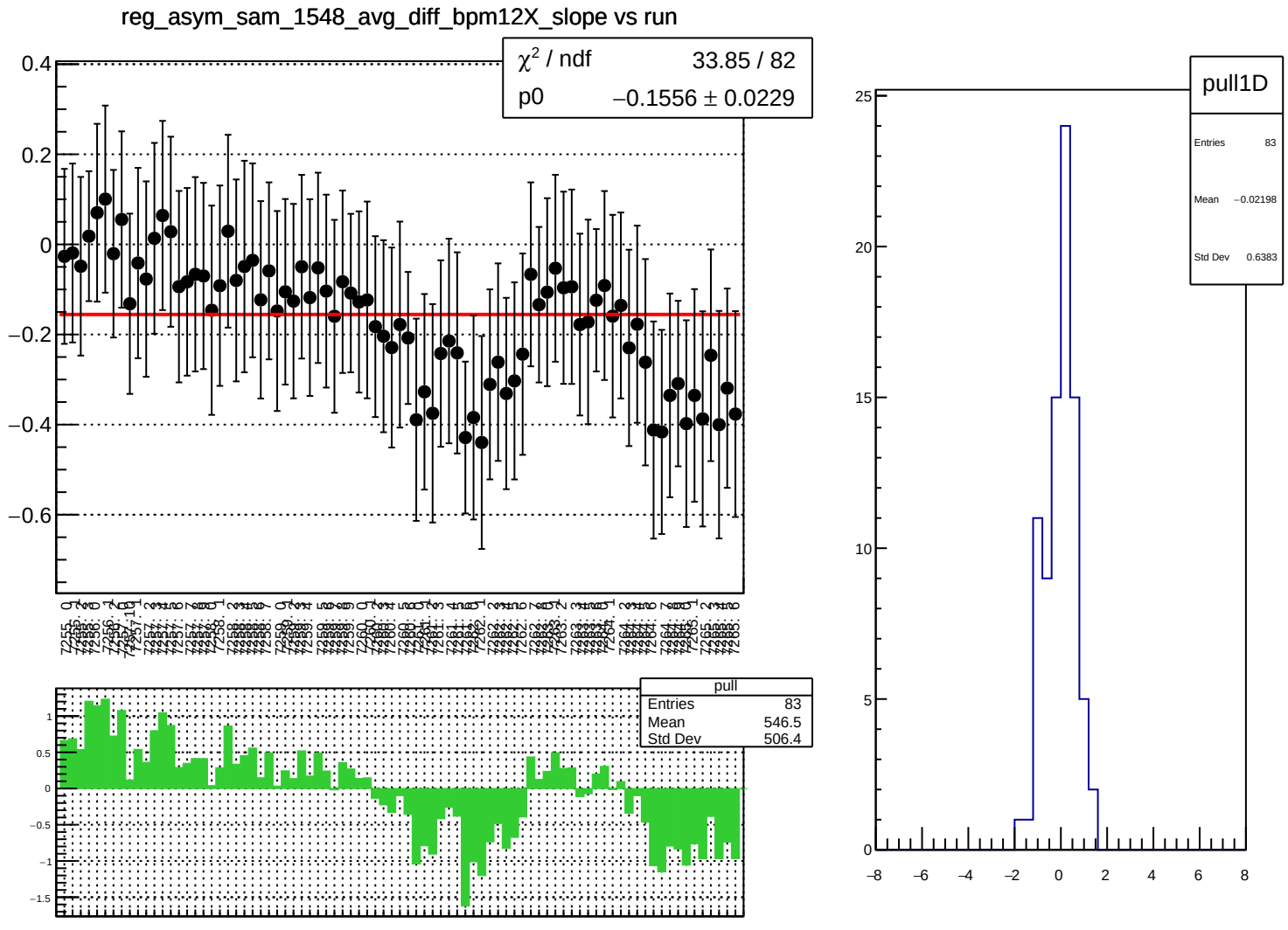

pull1D
Entries 83
Mean 0.2626
Std Dev 3.195

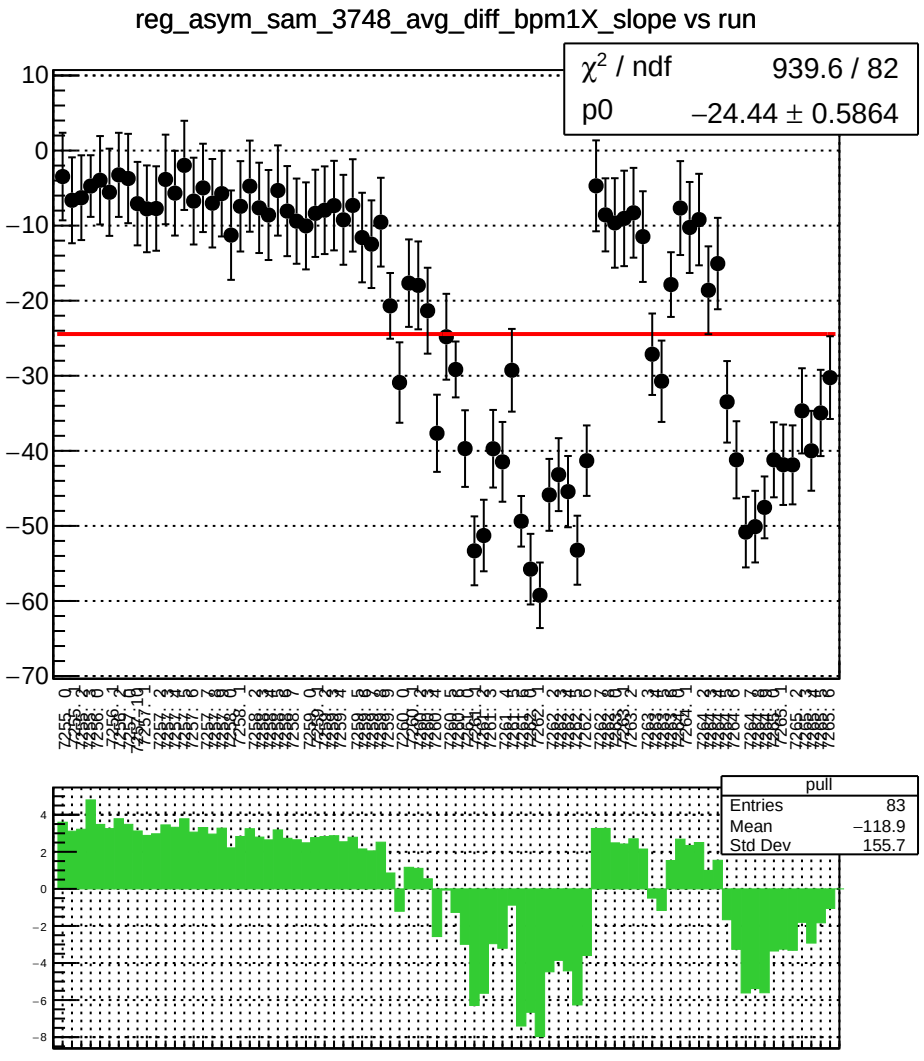

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 300.1 / 82
p0 2.805 ± 0.5163
pull
Entries 83
Mean 1442
Std Dev 1403
pull1D
Entries 83
Mean 0.01861
Std Dev 1.901

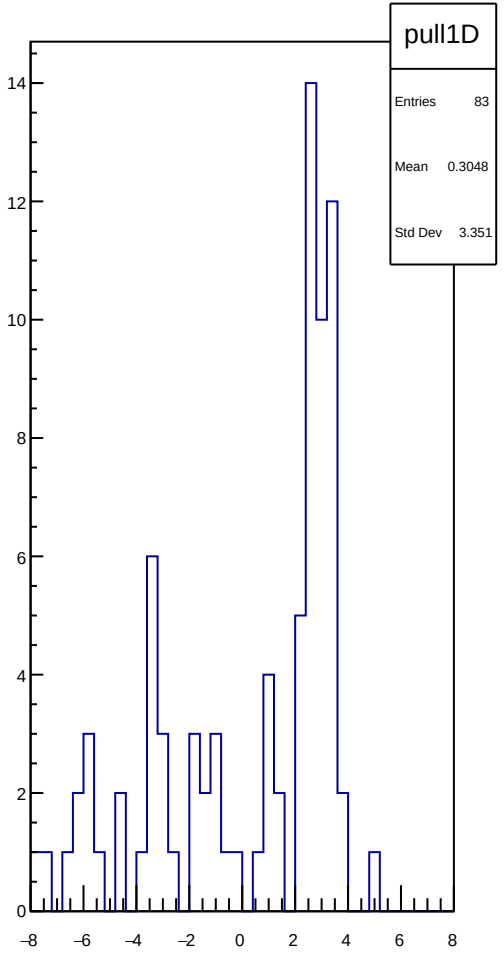

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 766.1 / 82
p0 −22.08 ± 0.6336
pull
Entries 83
Mean −126.8
Std Dev 163.6
pull1D
Entries 83
Mean −0.2642
Std Dev 3.027

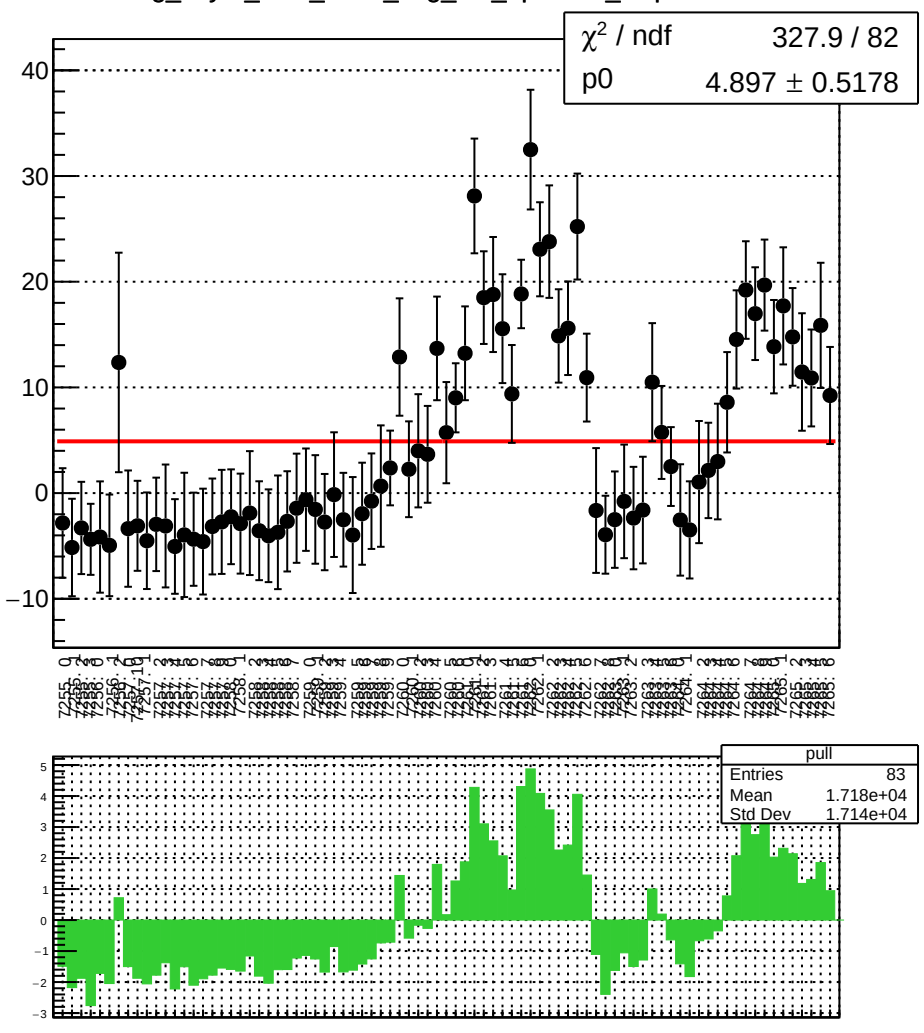

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 240.8 / 82
p0 72.48 ± 0.5439
pull
Entries 83
Mean −4.801e+05
Std Dev 4.802e+05

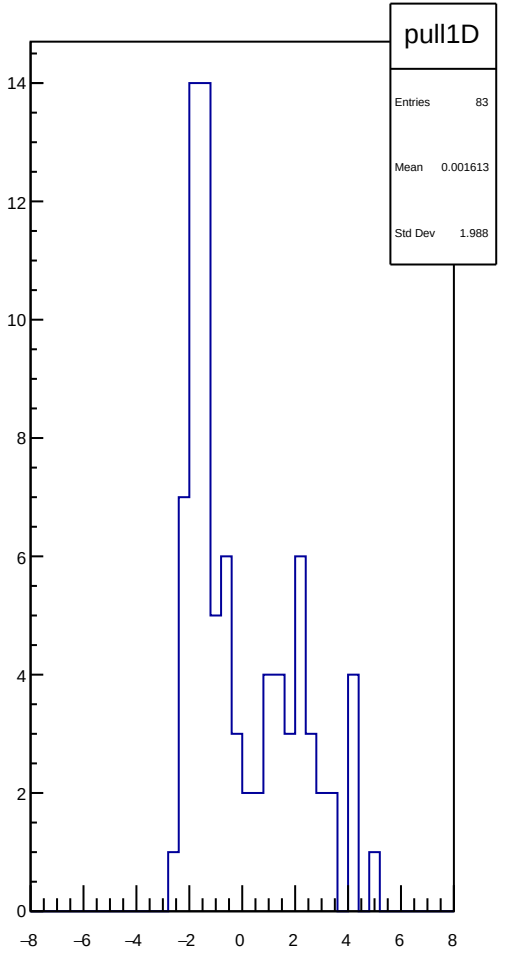

pull1D
Entries 83
Mean 4.858e−05
Std Dev 1.703

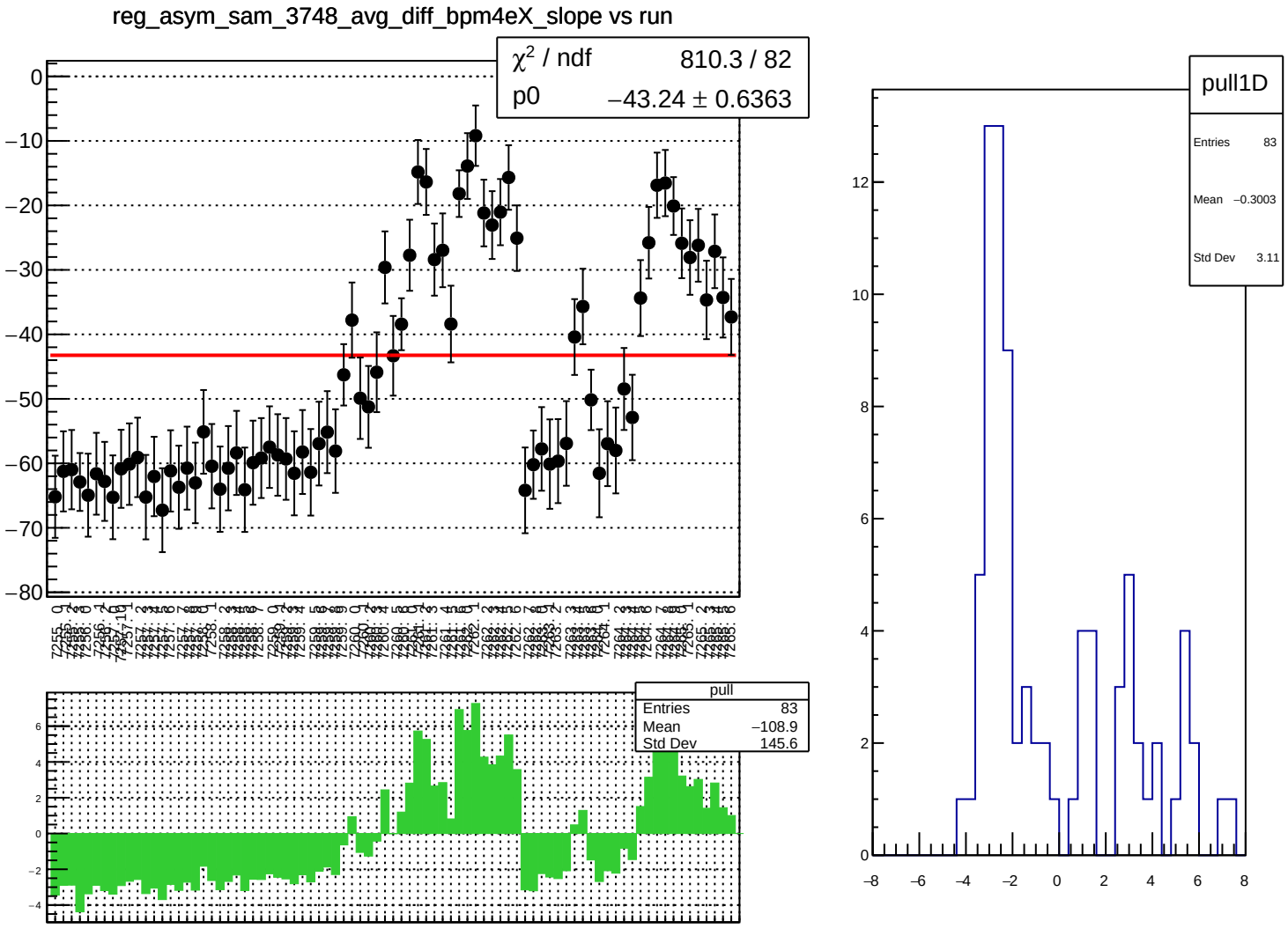

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 33.85 / 82
p0 −0.1556 ± 0.0229
pull
Entries 83
Mean 546.5
Std Dev 506.4
pull1D
Entries 83
Mean −0.02198
Std Dev 0.6383

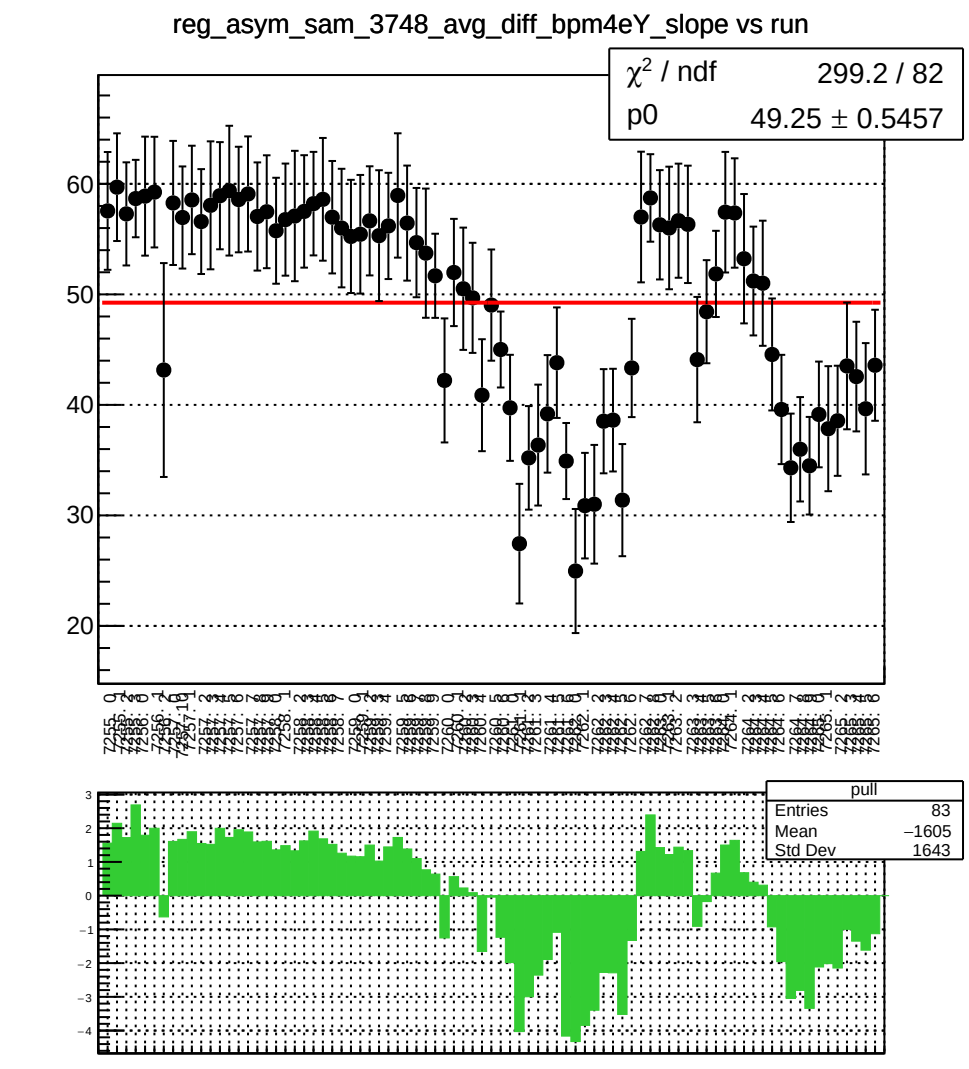

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 939.6 / 82
p0 −24.44 ± 0.5864
pull
Entries 83
Mean −118.9
Std Dev 155.7

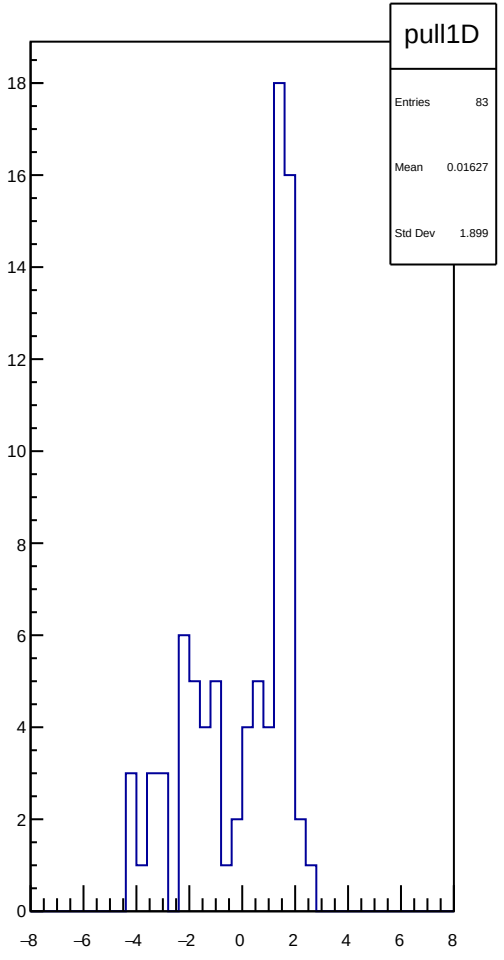

pull1D
Entries 83
Mean 0.3048
Std Dev 3.351

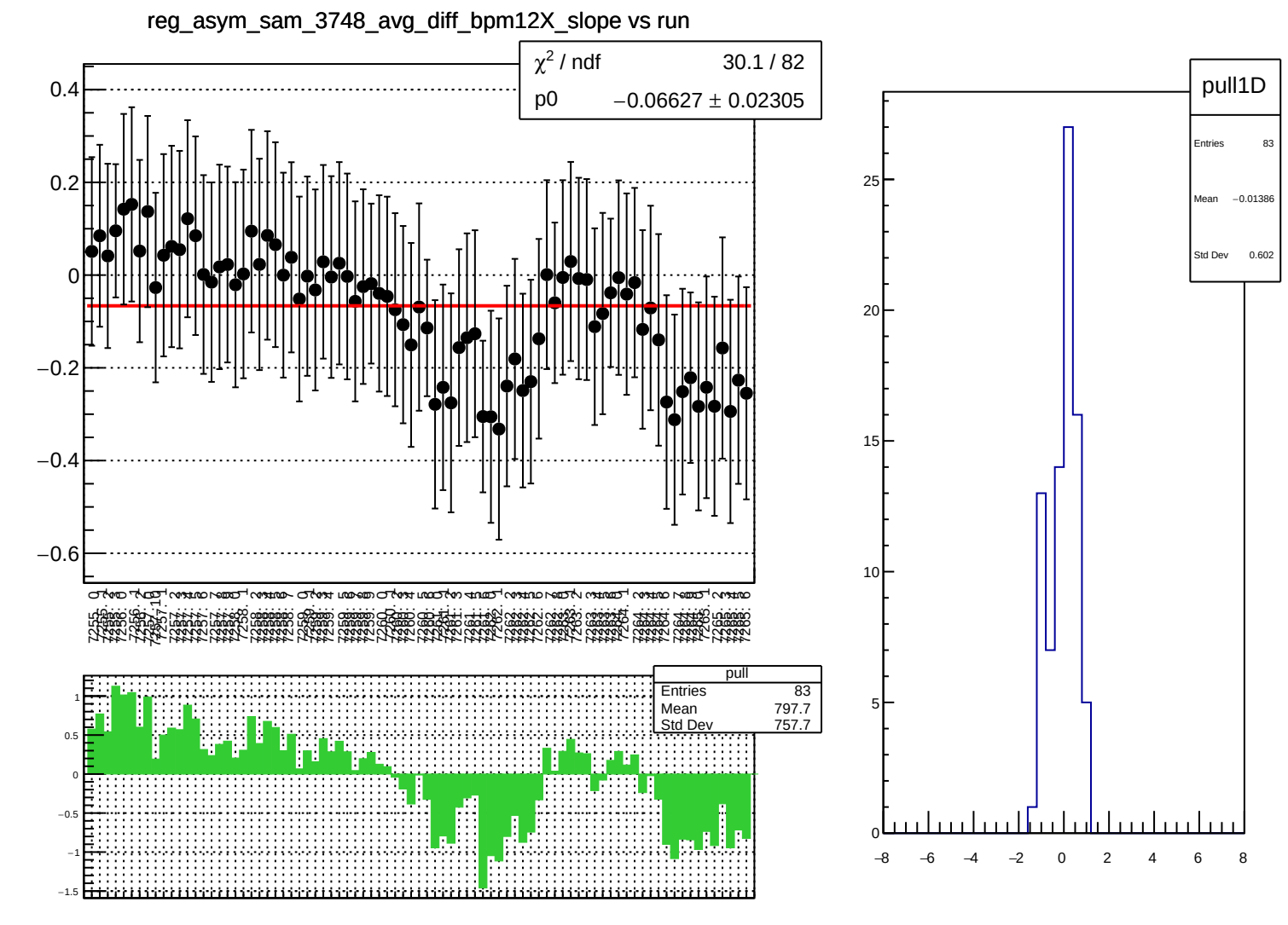

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 327.9 / 82
p0 4.897 ± 0.5178
pull
Entries 83
Mean 1.718e+04
Std Dev 1.714e+04

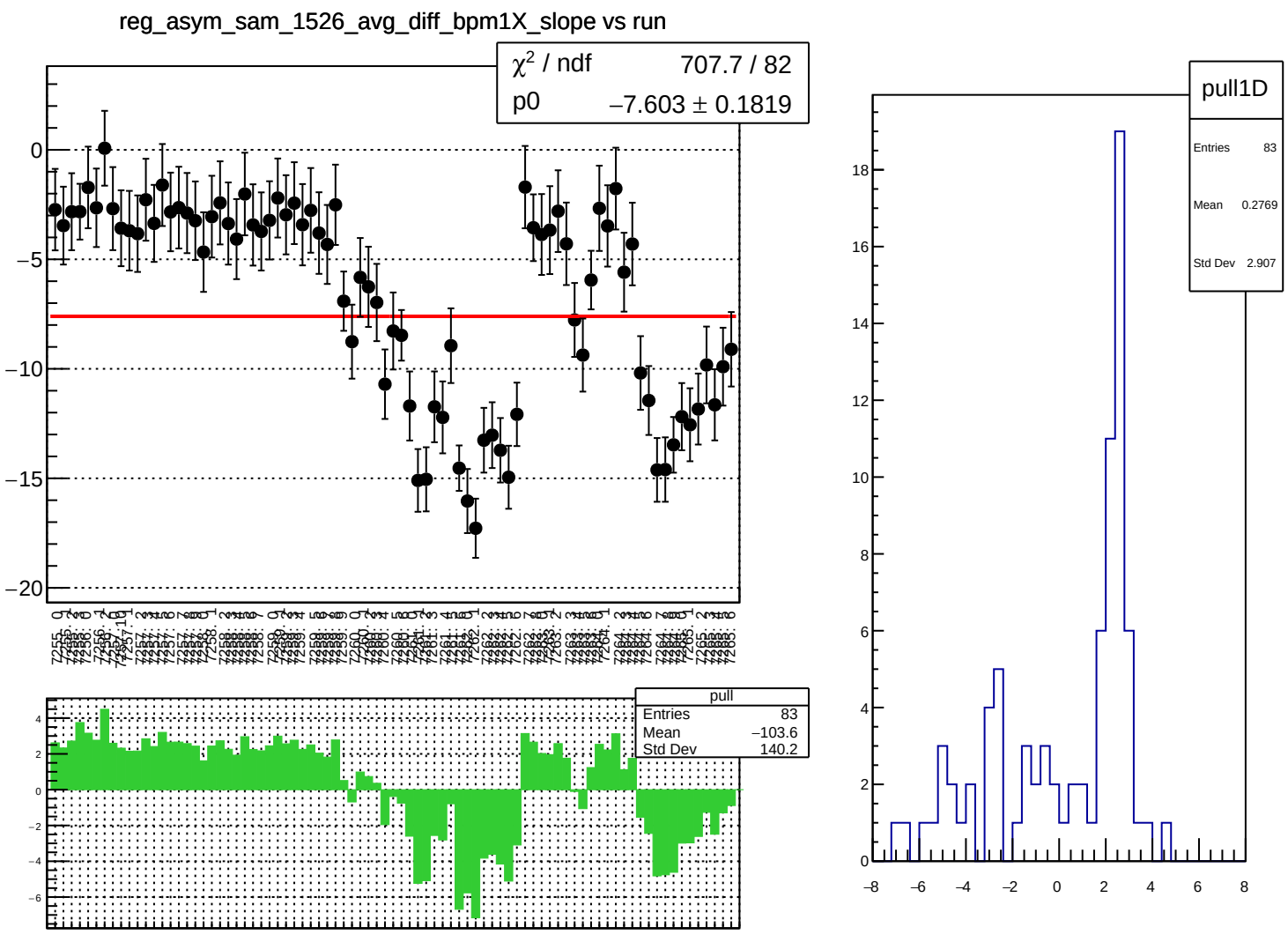

pull1D
Entries 83
Mean 0.001613
Std Dev 1.988

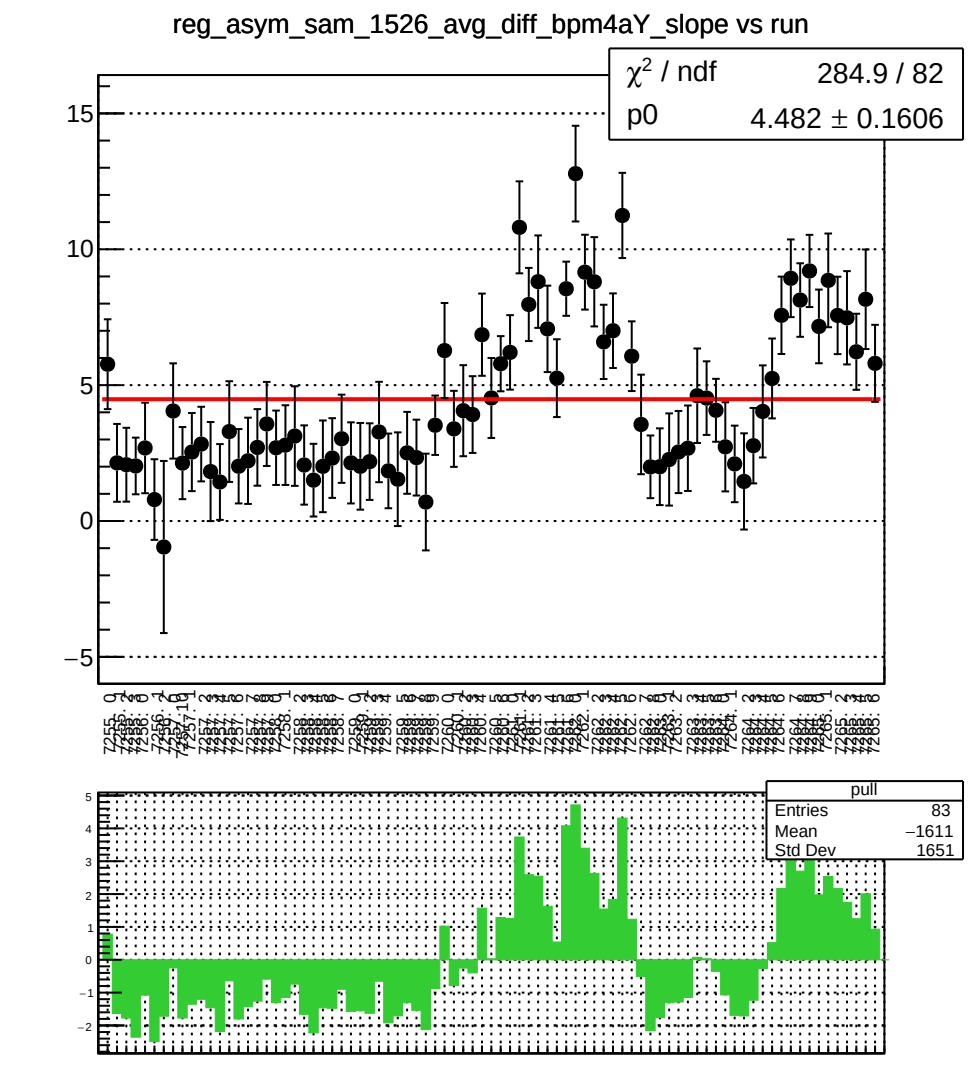

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 810.3 / 82
p0 −43.24 ± 0.6363
pull
Entries 83
Mean −108.9
Std Dev 145.6
pull1D
Entries 83
Mean −0.3003
Std Dev 3.11

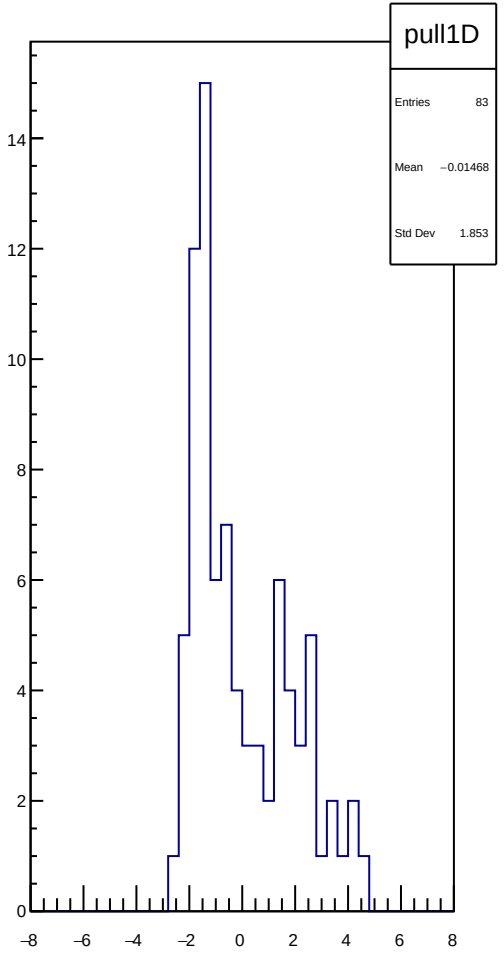

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 299.2 / 82
p0 49.25 ± 0.5457
pull
Entries 83
Mean −1605
Std Dev 1643

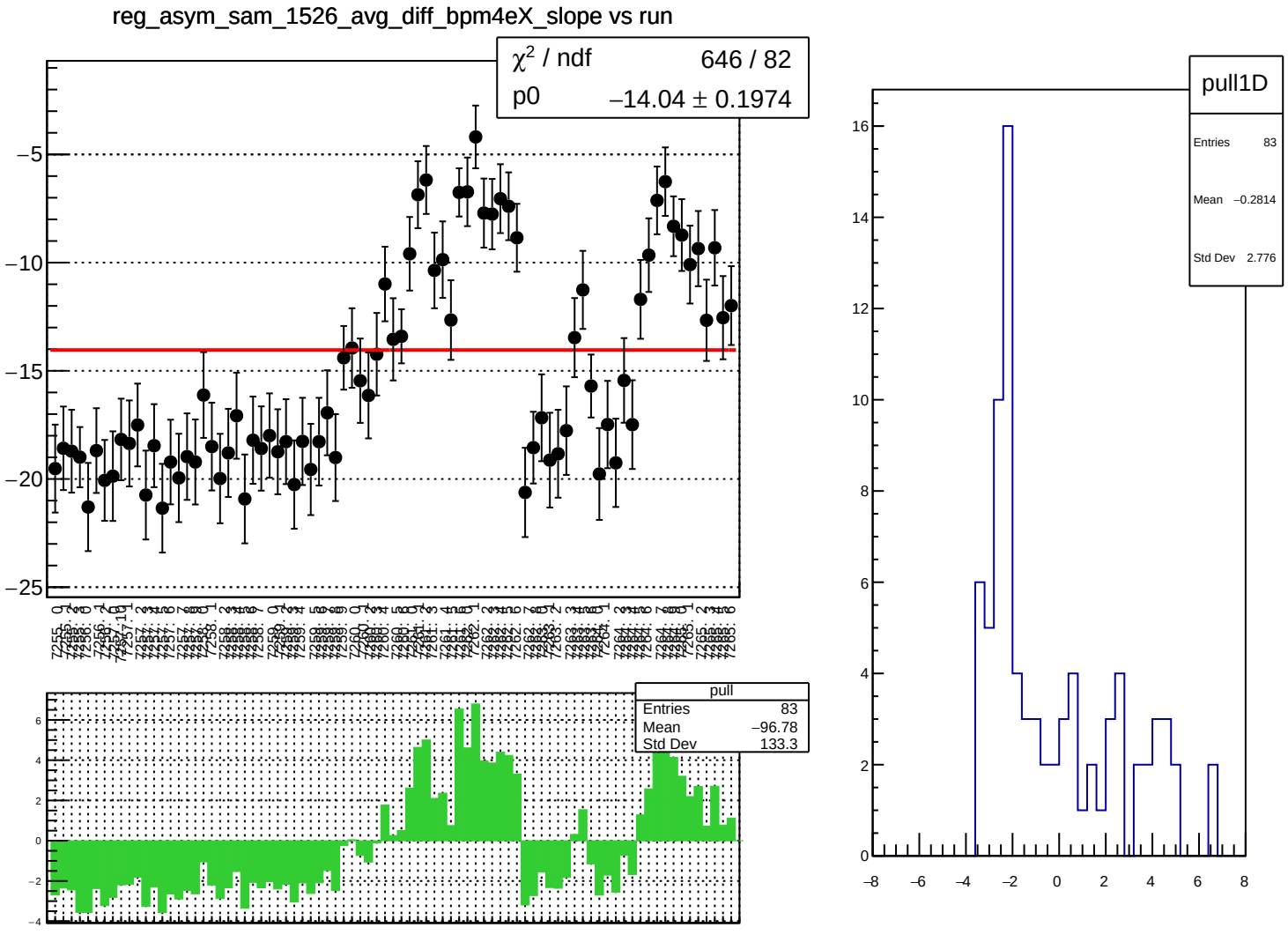

pull1D
Entries 83
Mean 0.01627
Std Dev 1.899

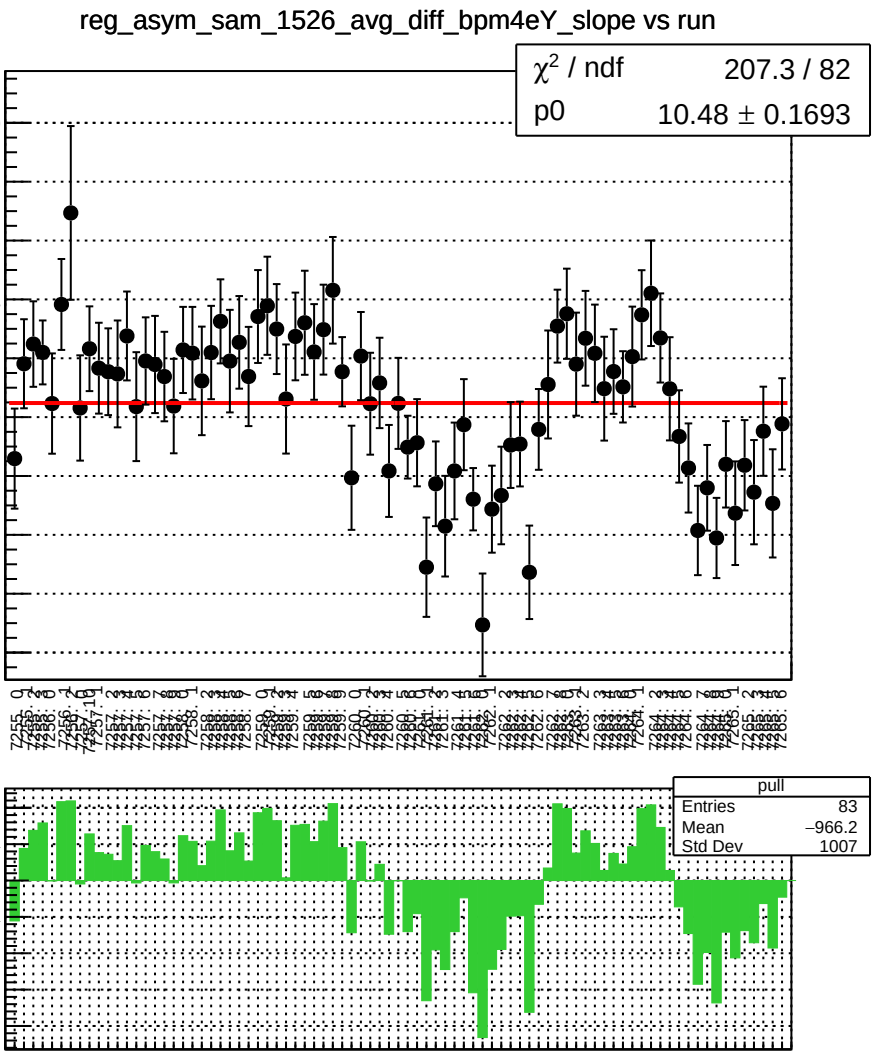

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 30.1 / 82
p0 −0.06627 ± 0.02305
pull
Entries 83
Mean 797.7
Std Dev 757.7
pull1D
Entries 83
Mean −0.01386
Std Dev 0.602

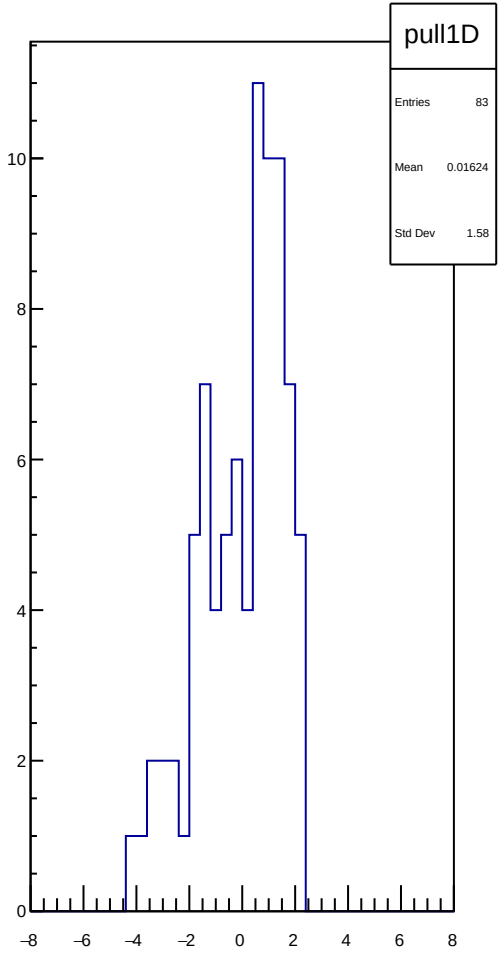

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 707.7 / 82
p0 −7.603 ± 0.1819
pull
Entries 83
Mean −103.6
Std Dev 140.2
pull1D
Entries 83
Mean 0.2769
Std Dev 2.907

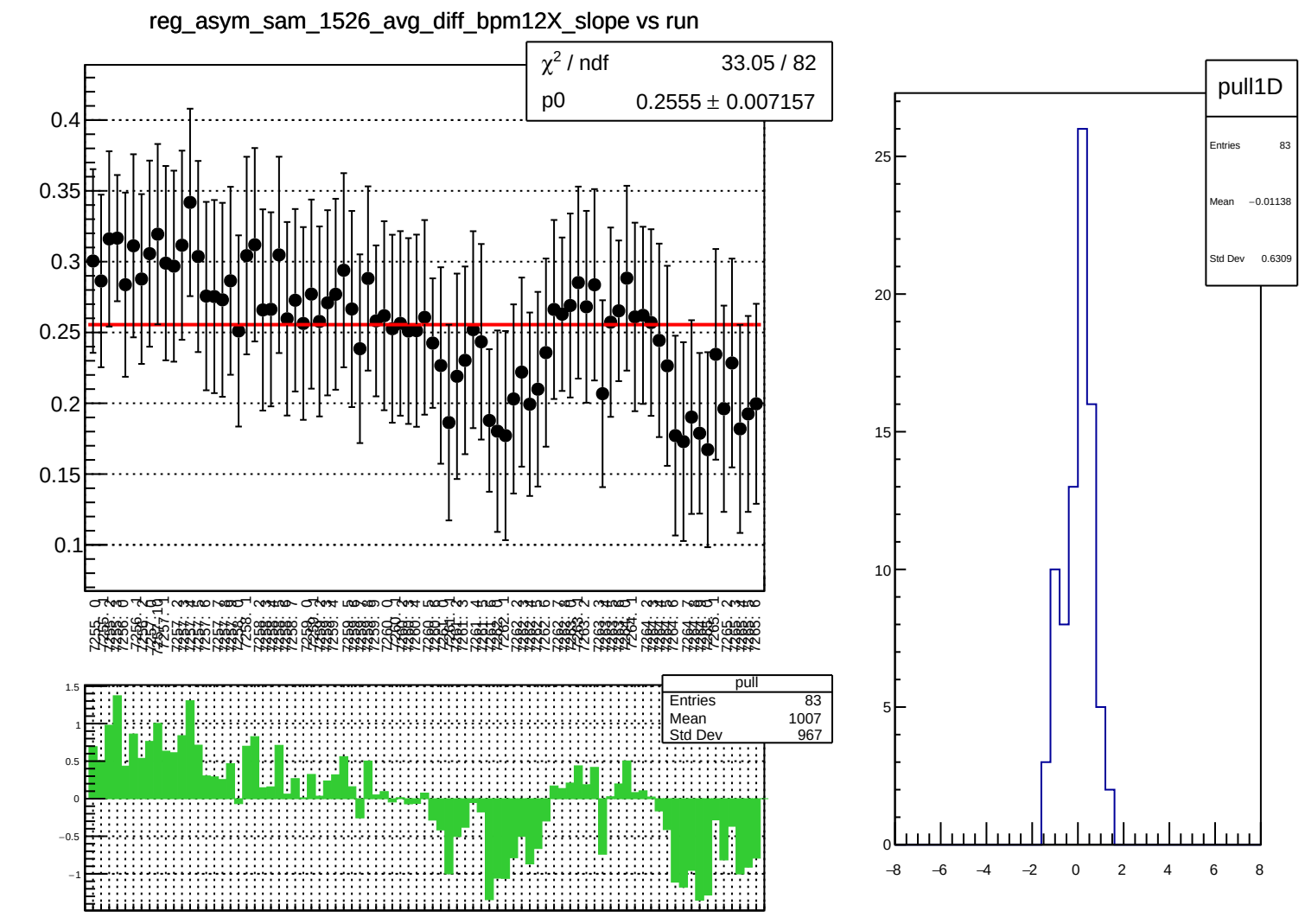

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 284.9 / 82
p0 4.482 ± 0.1606
pull
Entries 83
Mean −1611
Std Dev 1651

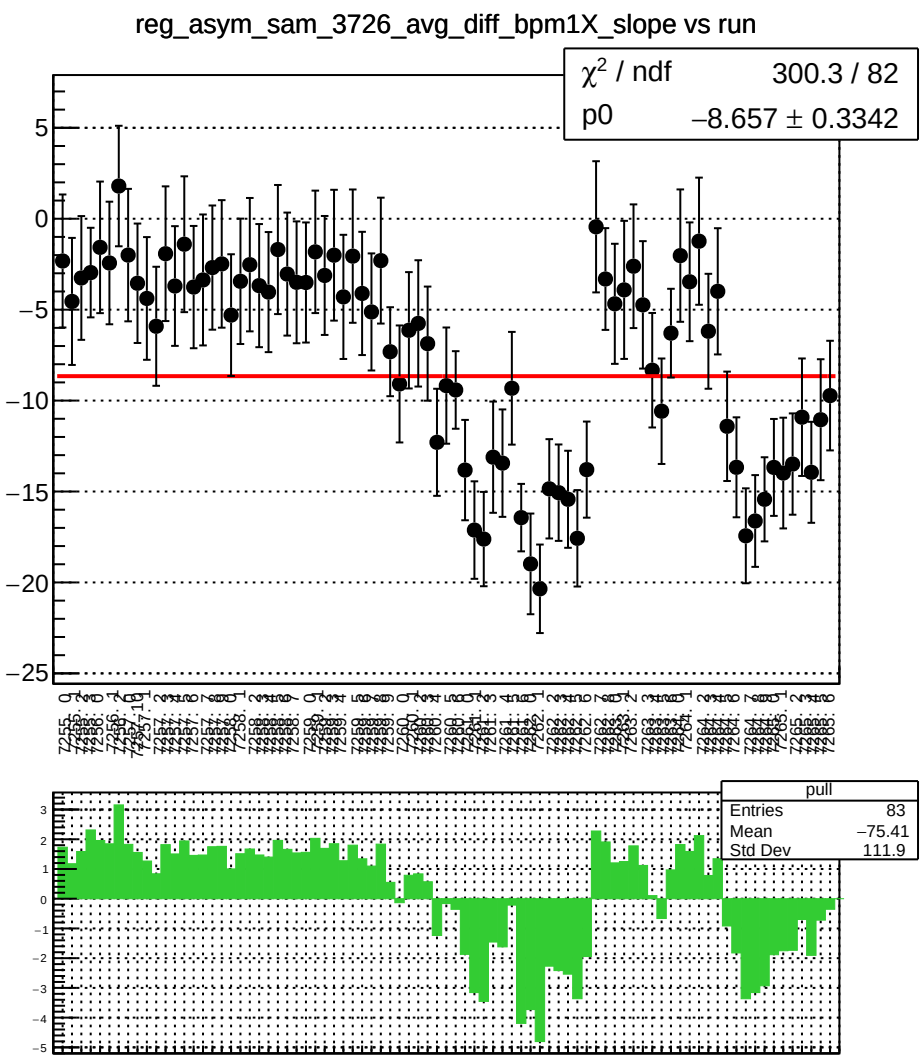

pull1D
Entries 83
Mean −0.01468
Std Dev 1.853

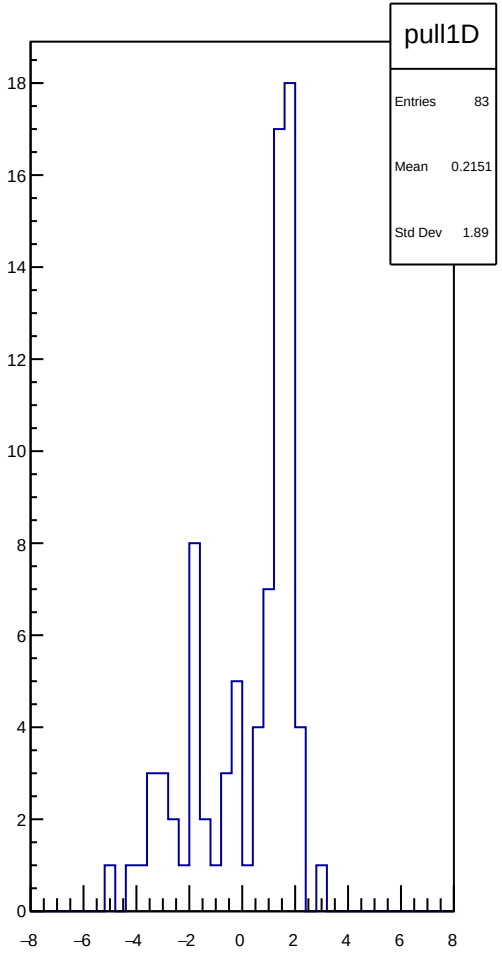

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 646 / 82
p0 −14.04 ± 0.1974
pull
Entries 83
Mean −96.78
Std Dev 133.3
pull1D
Entries 83
Mean −0.2814
Std Dev 2.776

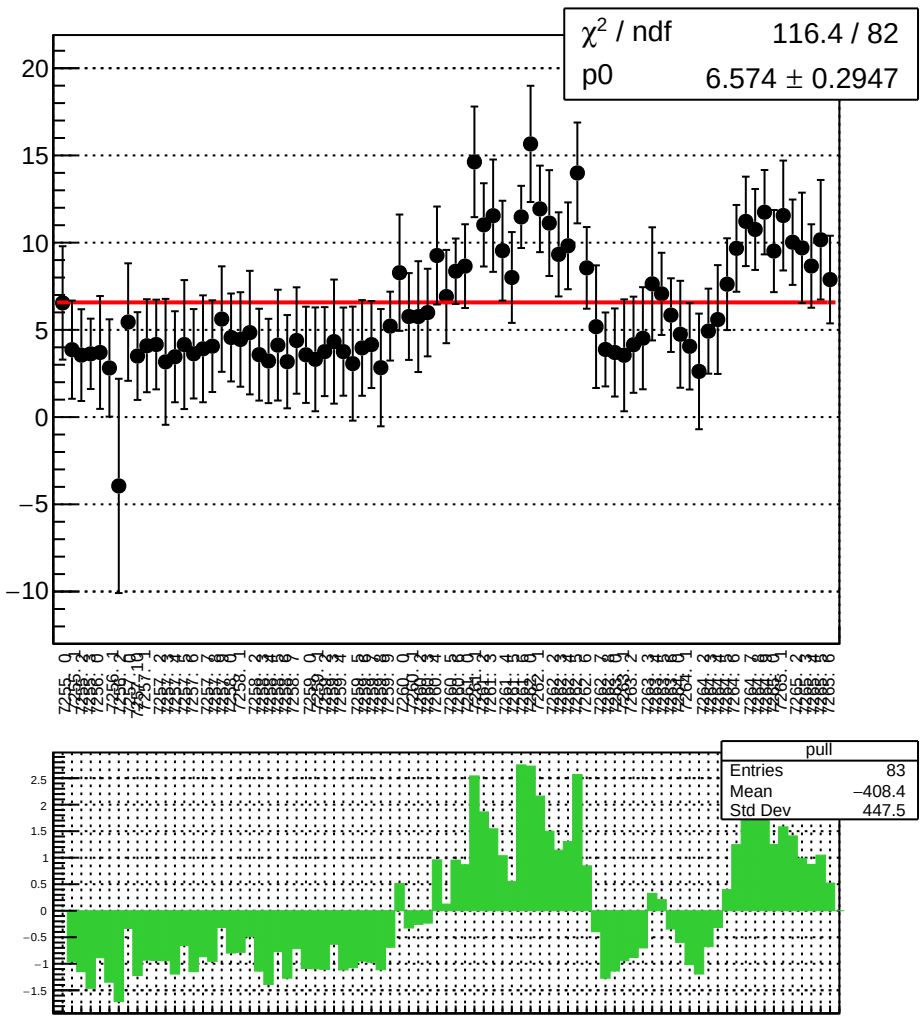

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 207.3 / 82
p0 10.48 ± 0.1693
pull
Entries 83
Mean −966.2
Std Dev 1007

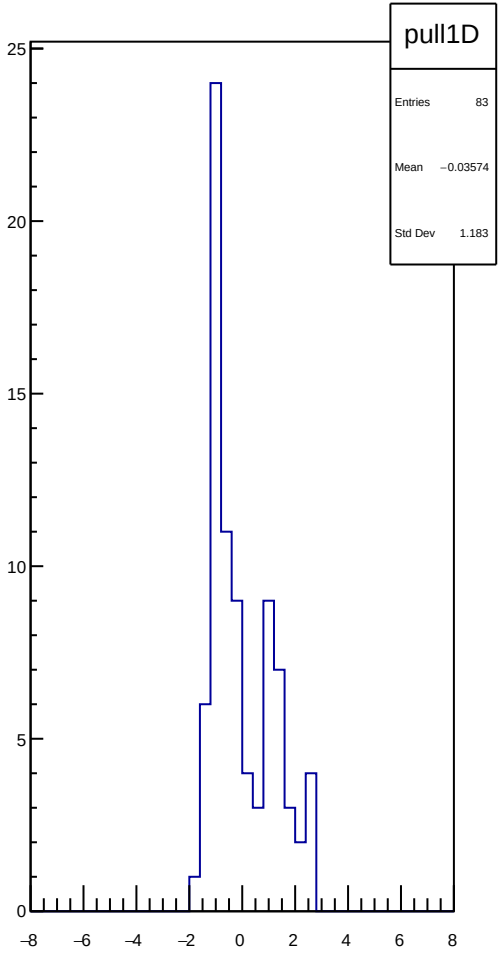

pull1D
Entries 83
Mean 0.01624
Std Dev 1.58

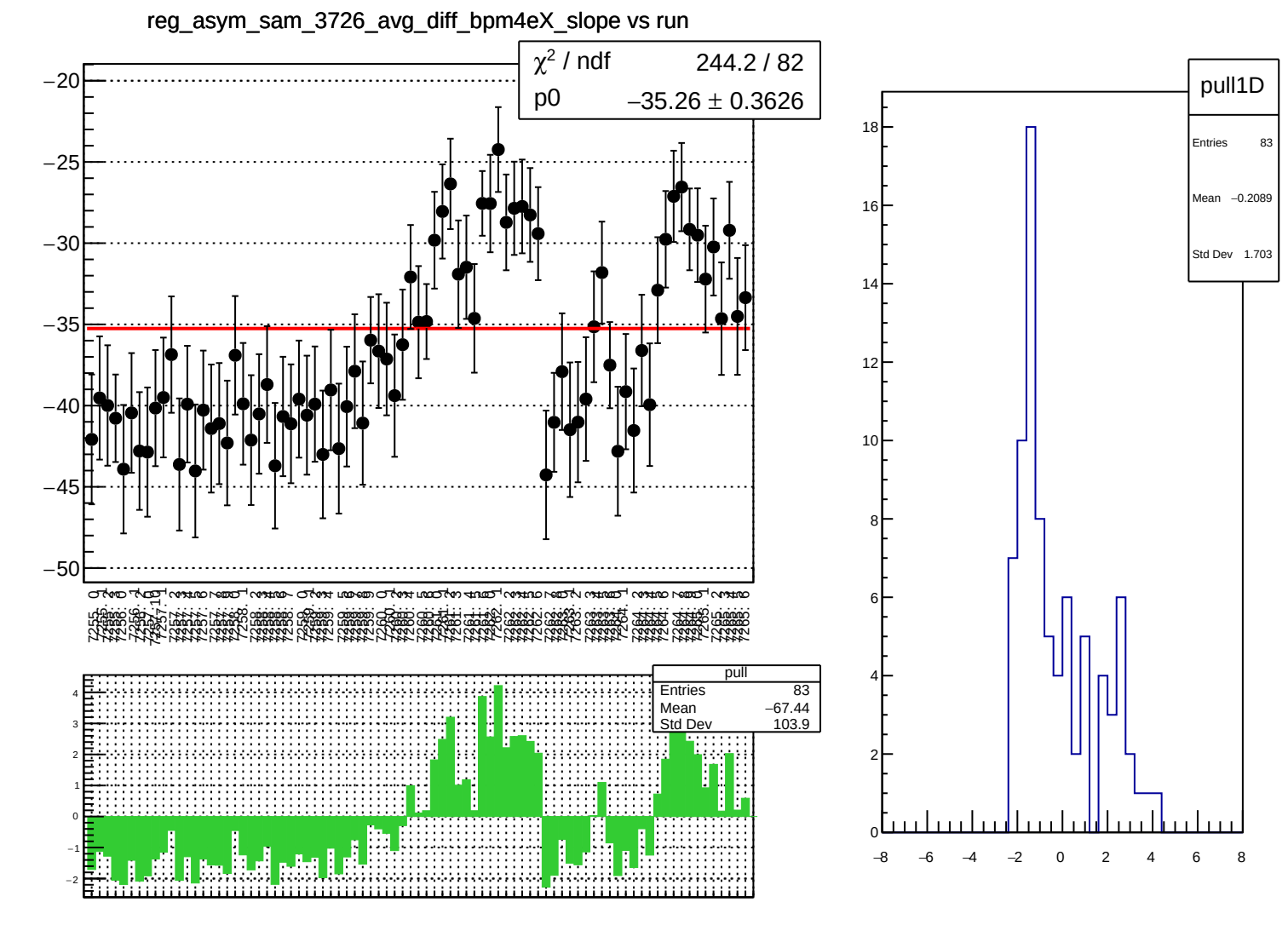

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 33.05 / 82
p0 0.2555 ± 0.007157
pull
Entries 83
Mean 1007
Std Dev 967
pull1D
Entries 83
Mean −0.01138
Std Dev 0.6309

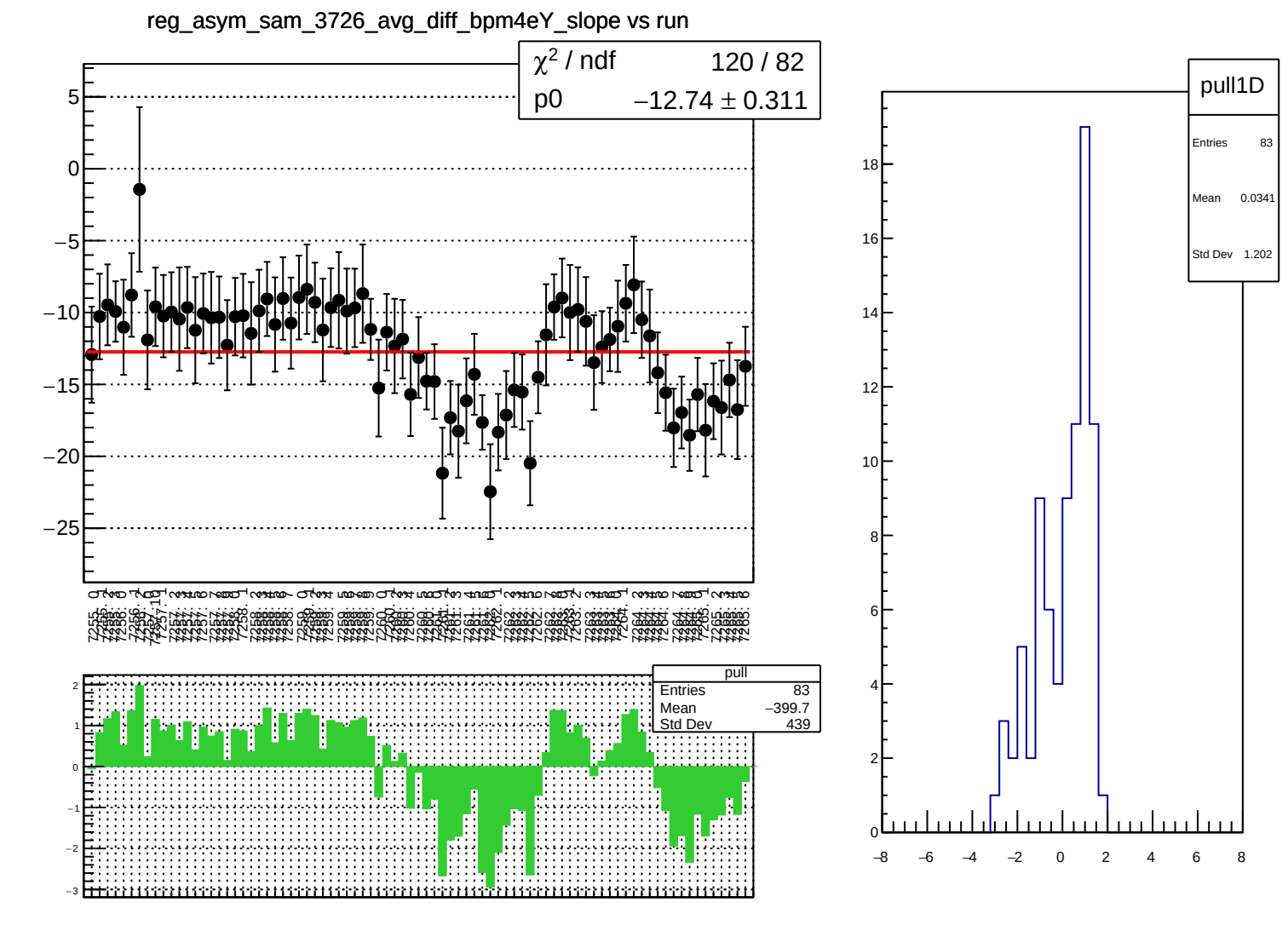

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 300.3 / 82
p0 −8.657 ± 0.3342
pull
Entries 83
Mean −75.41
Std Dev 111.9

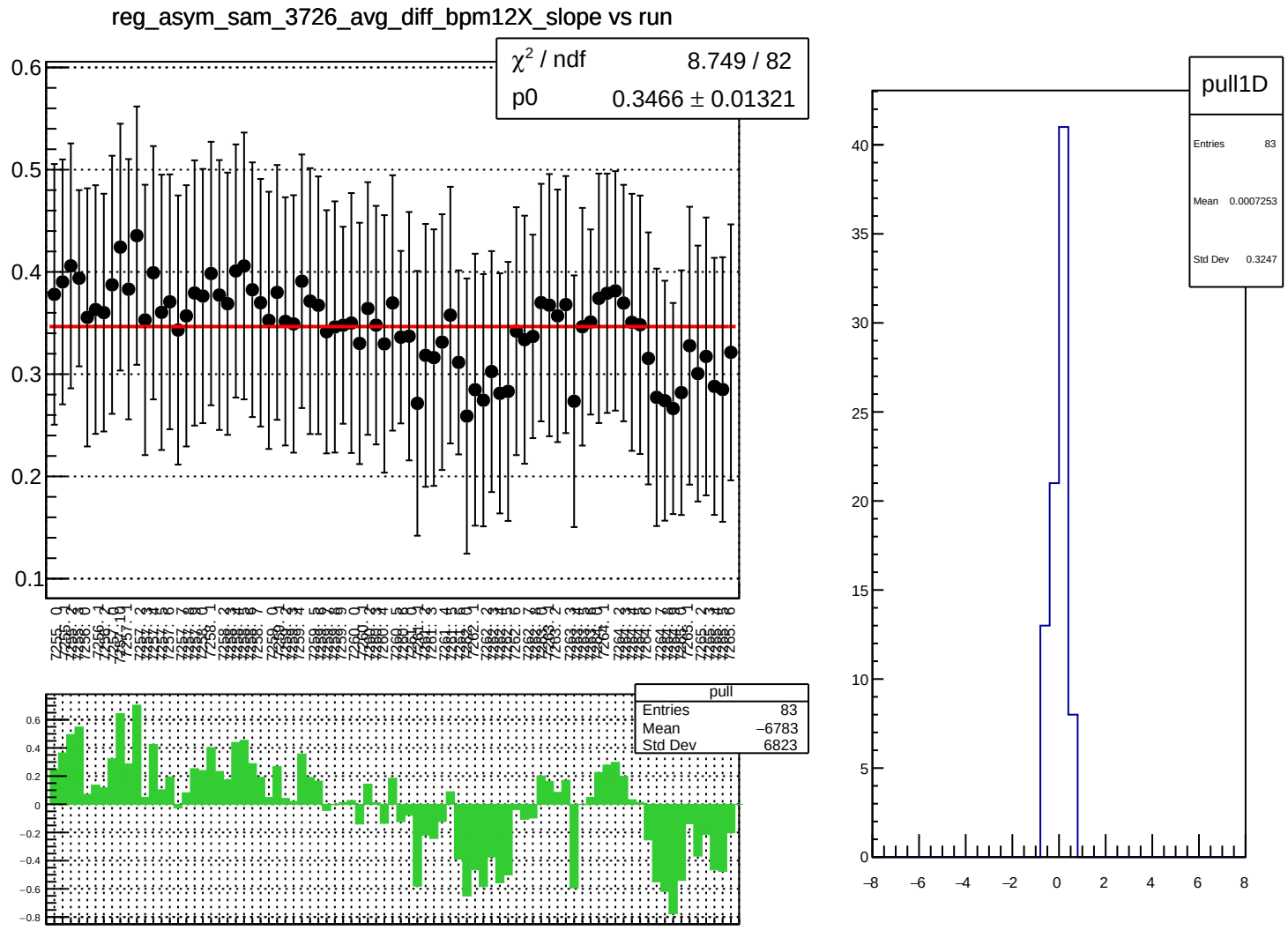

pull1D
Entries 83
Mean 0.2151
Std Dev 1.89

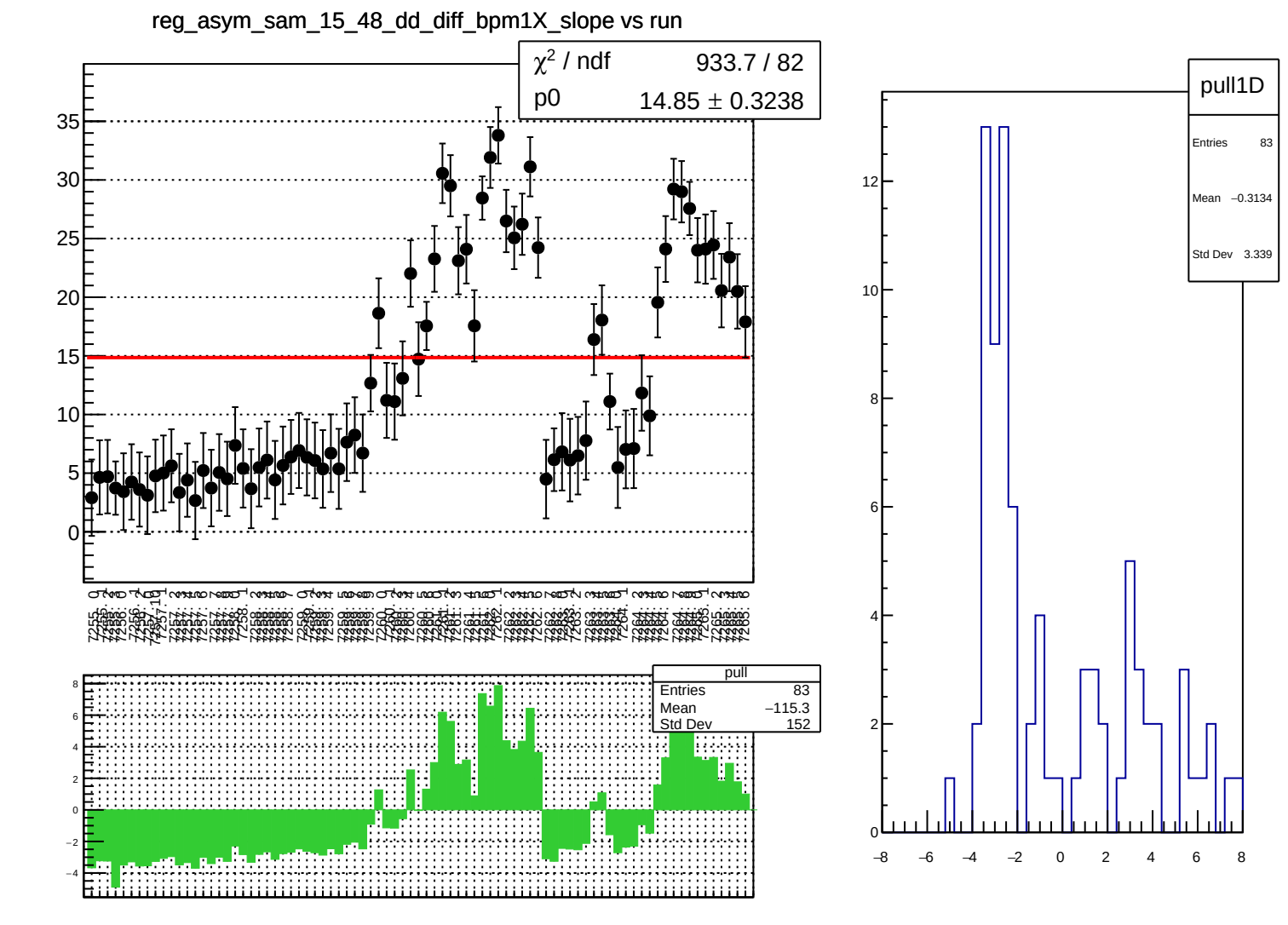

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 116.4 / 82
p0 6.574 ± 0.2947
pull
Entries 83
Mean −408.4
Std Dev 447.5

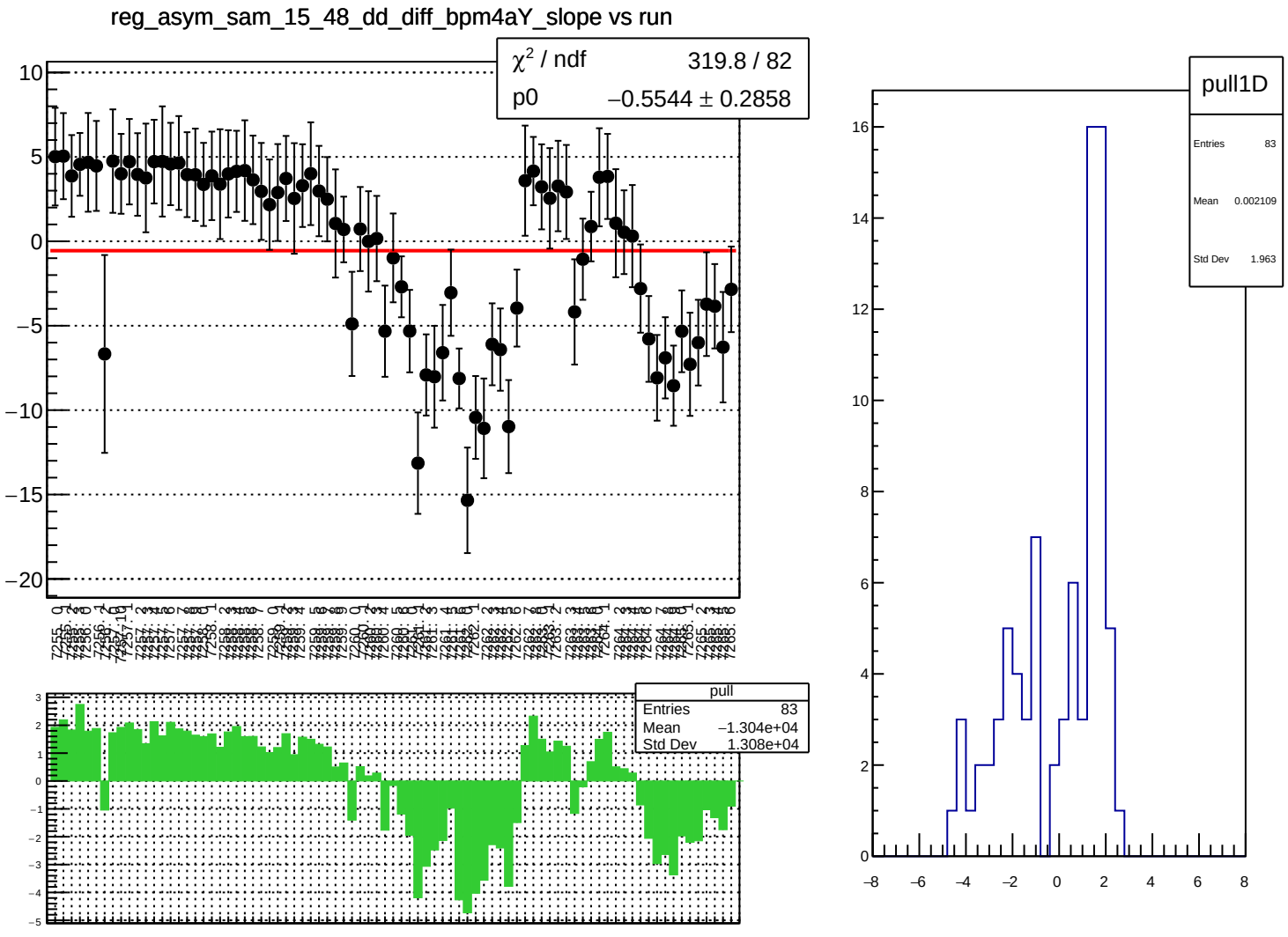

pull1D
Entries 83
Mean −0.03574
Std Dev 1.183

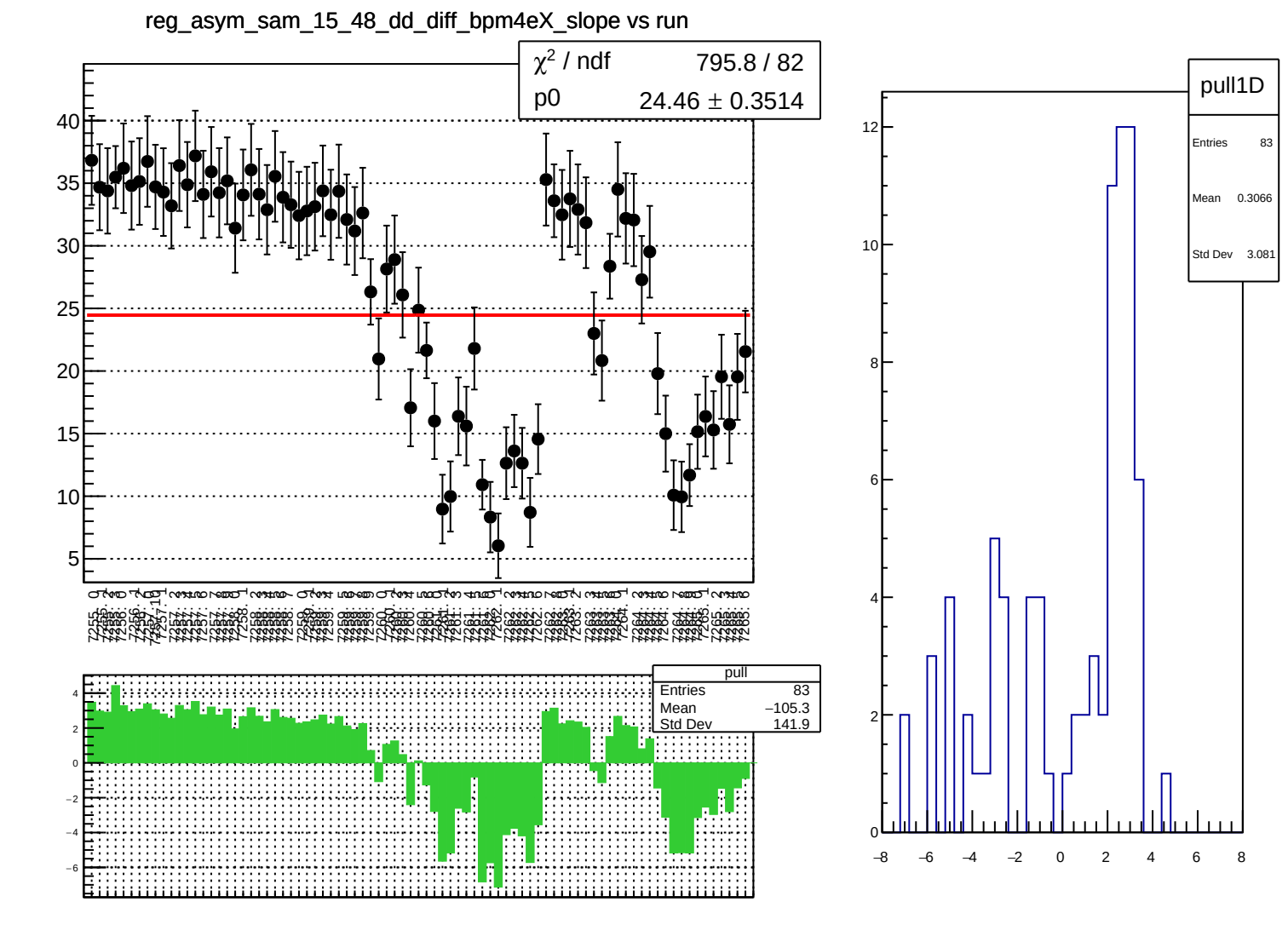

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 244.2 / 82
p0 −35.26 ± 0.3626
pull
Entries 83
Mean −67.44
Std Dev 103.9
pull1D
Entries 83
Mean −0.2089
Std Dev 1.703

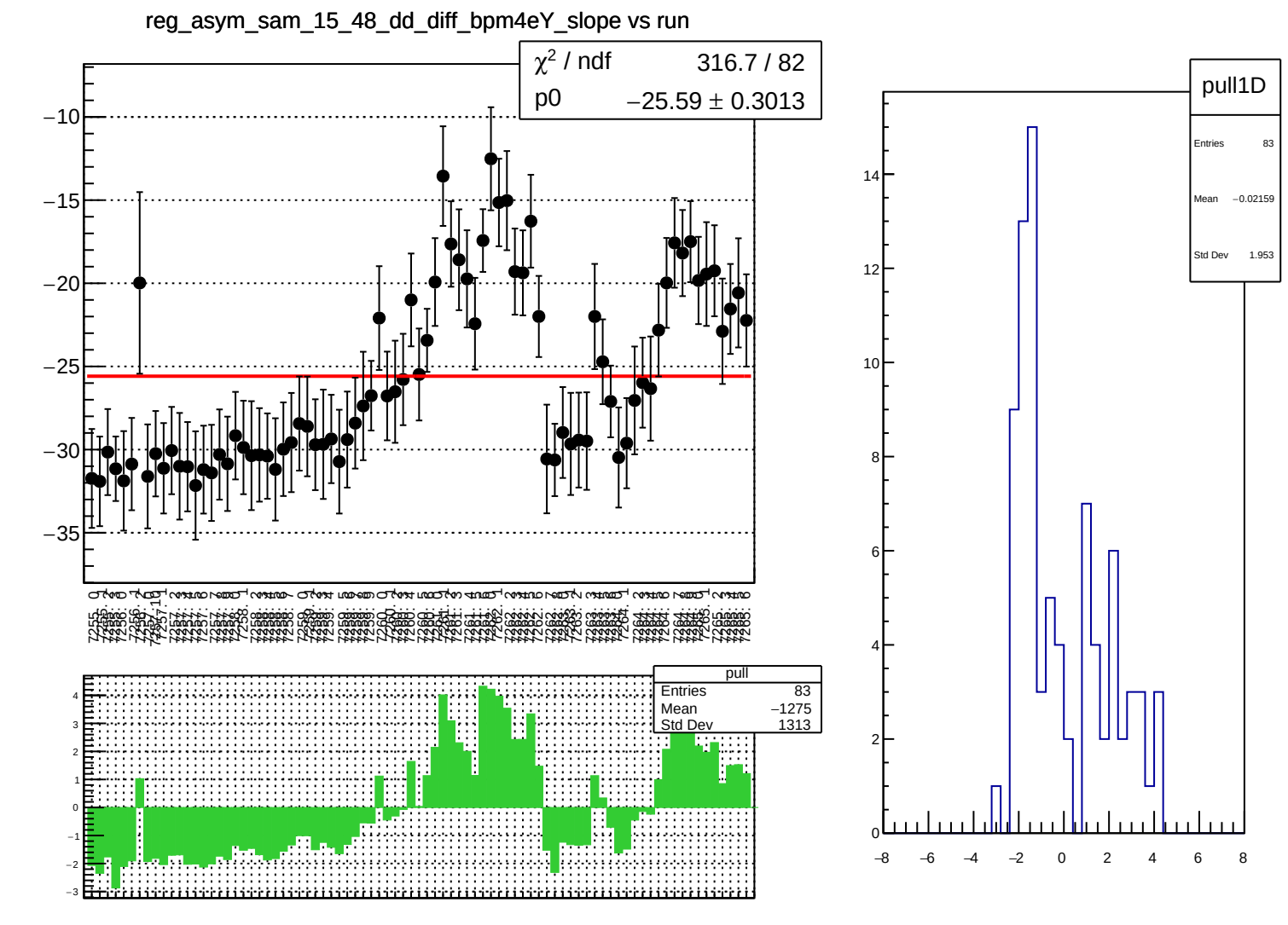

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 120 / 82
p0 −12.74 ± 0.311
pull
Entries 83
Mean −399.7
Std Dev 439
pull1D
Entries 83
Mean 0.0341
Std Dev 1.202

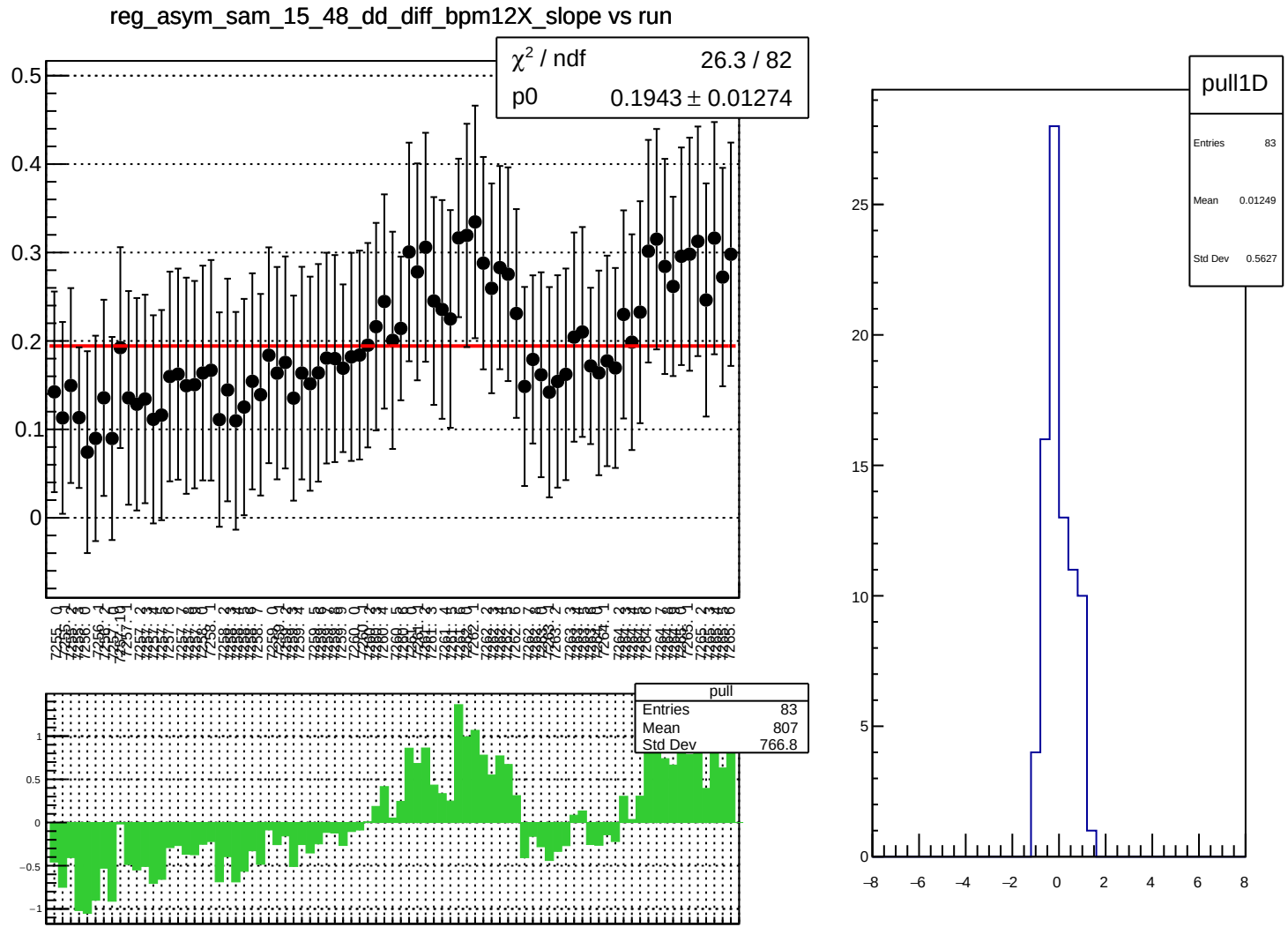

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 8.749 / 82
p0 0.3466 ± 0.01321
pull
Entries 83
Mean −6783
Std Dev 6823
pull1D
Entries 83
Mean 0.0007253
Std Dev 0.3247

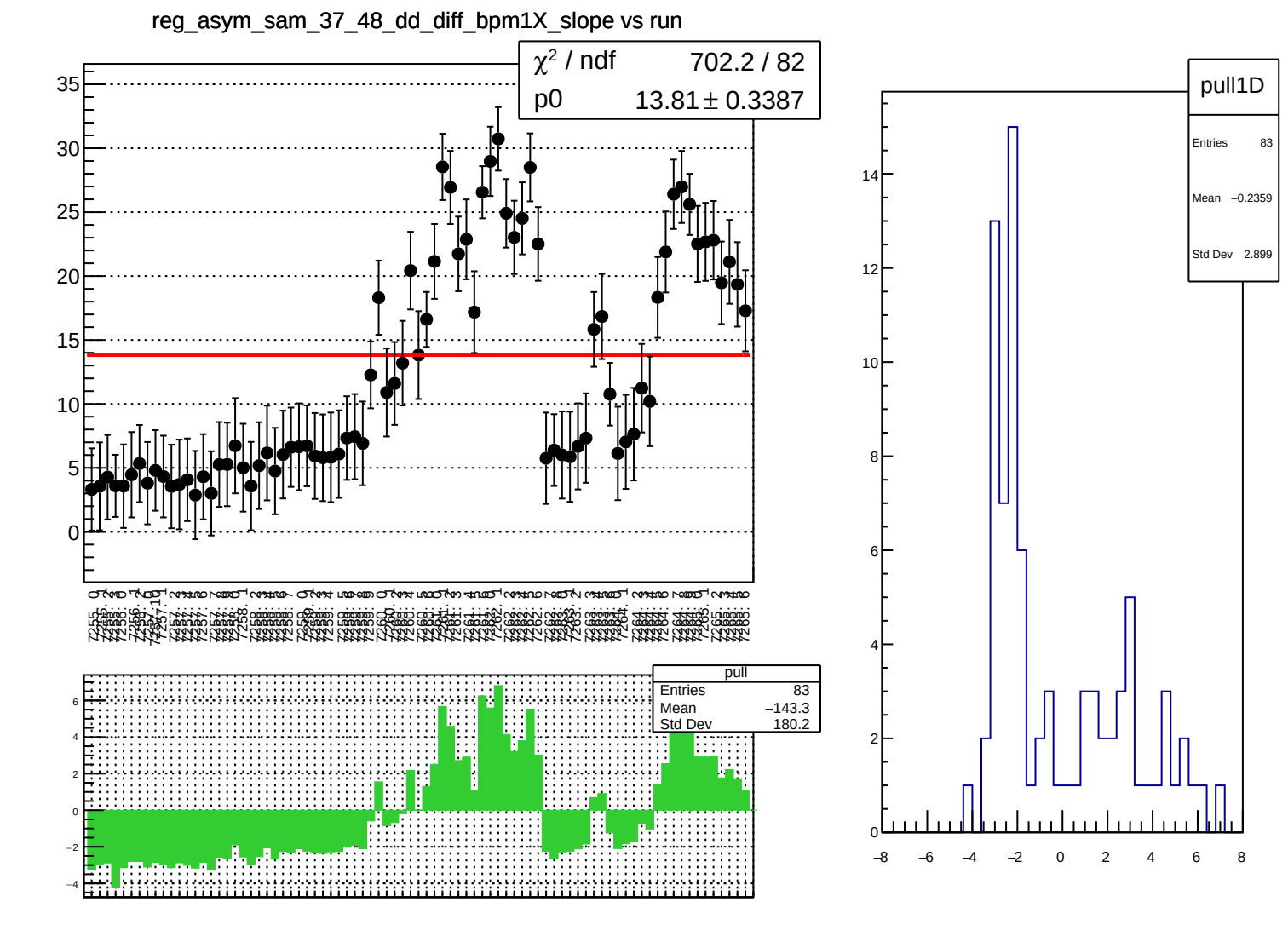

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 933.7 / 82
p0 14.85 ± 0.3238
pull
Entries 83
Mean −115.3
Std Dev 152
pull1D
Entries 83
Mean −0.3134
Std Dev 3.339

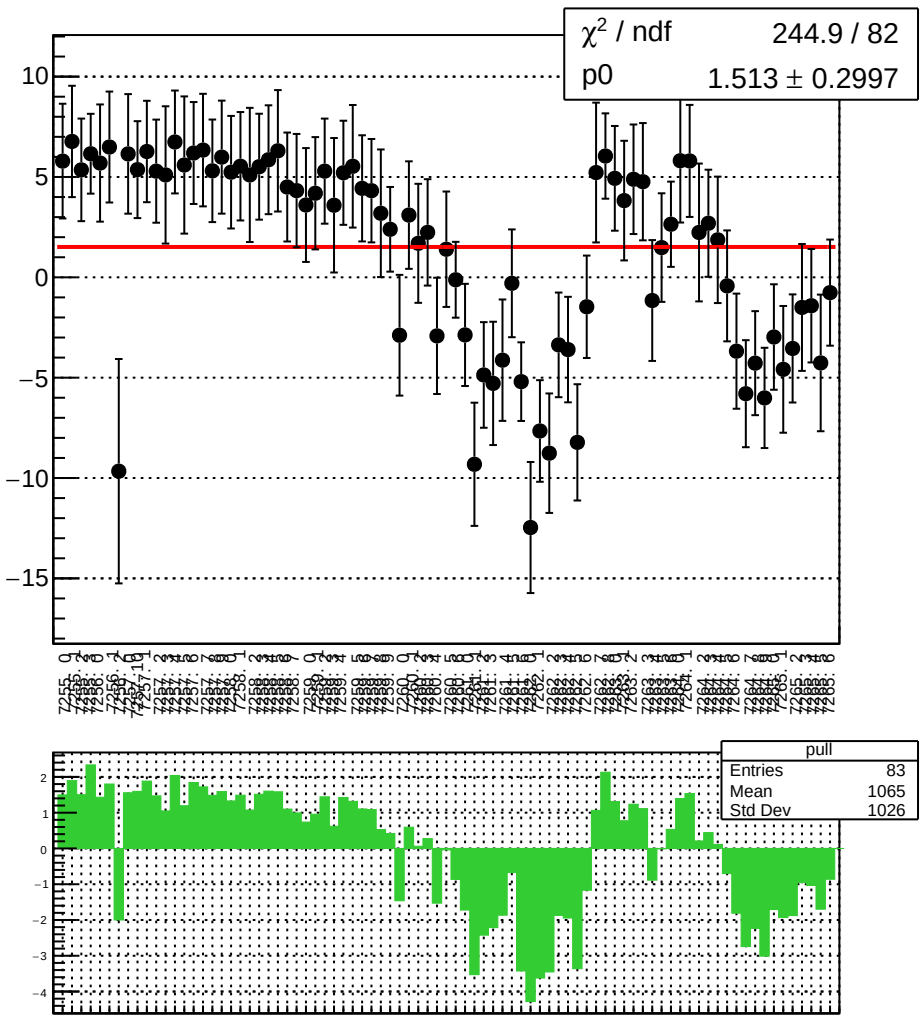

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 319.8 / 82
p0 −0.5544 ± 0.2858
pull
Entries 83
Mean −1.304e+04
Std Dev 1.308e+04
pull1D
Entries 83
Mean 0.002109
Std Dev 1.963

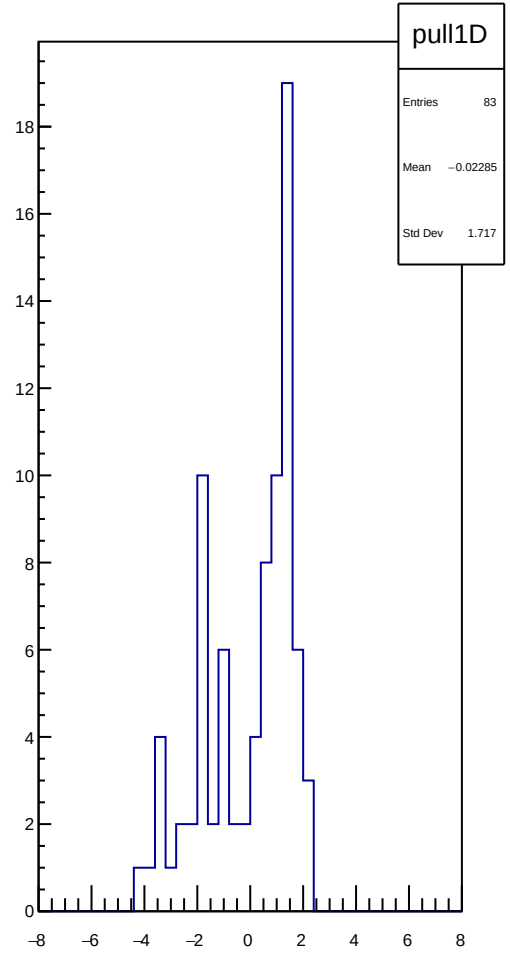

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 795.8 / 82
p0 24.46 ± 0.3514
pull
Entries 83
Mean −105.3
Std Dev 141.9
pull1D
Entries 83
Mean 0.3066
Std Dev 3.081

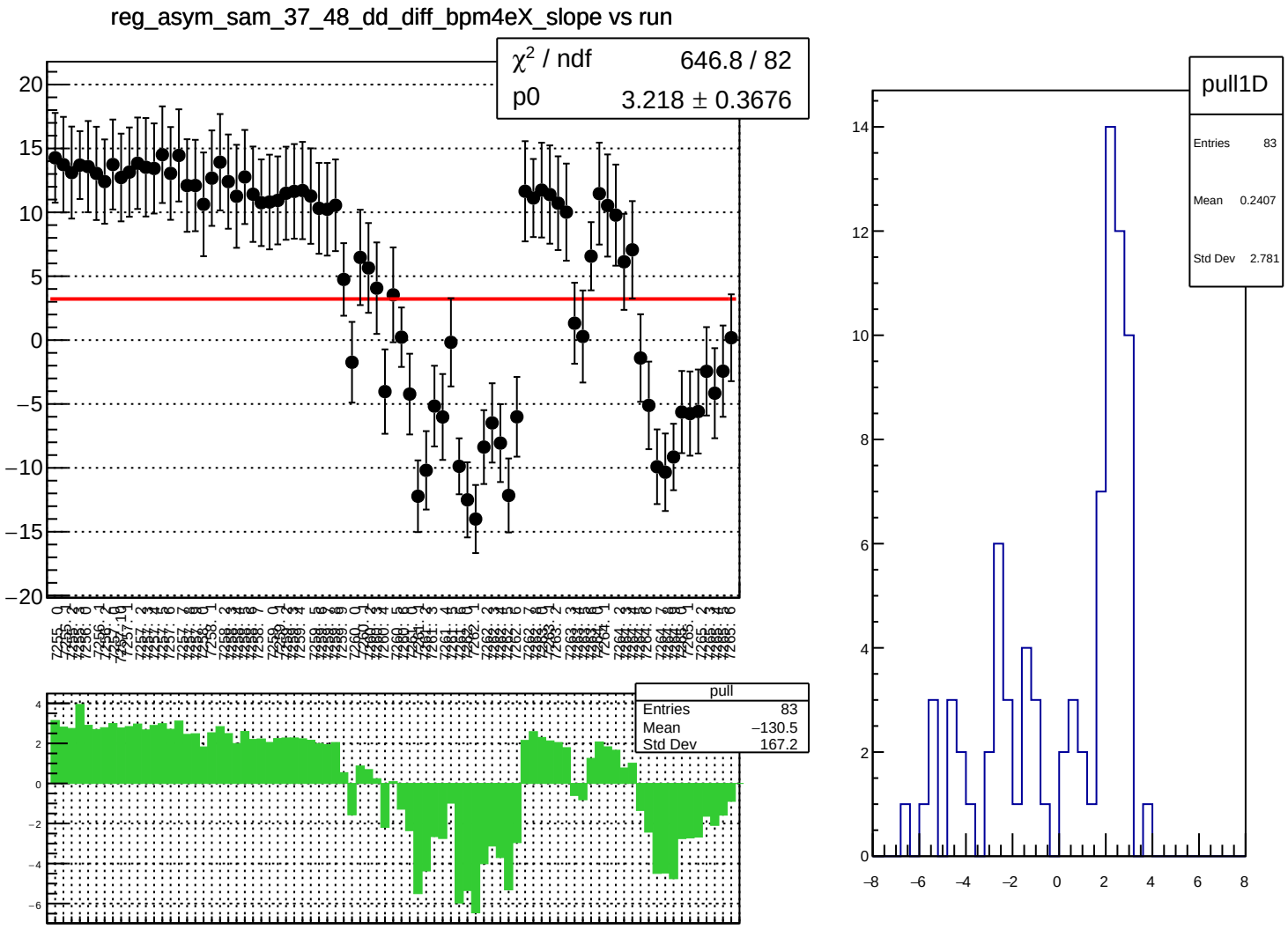

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 316.7 / 82
p0 −25.59 ± 0.3013
pull
Entries 83
Mean −1275
Std Dev 1313
pull1D
Entries 83
Mean −0.02159
Std Dev 1.953

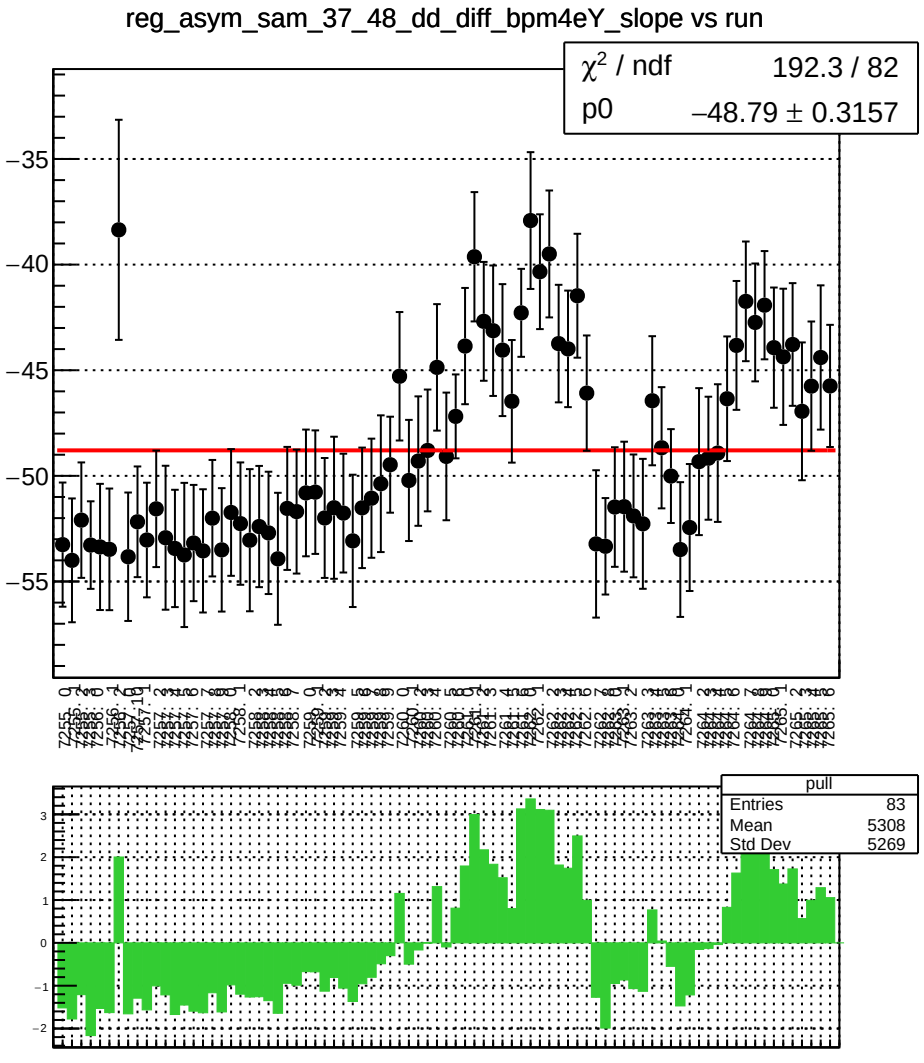

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 26.3 / 82
p0 0.1943 ± 0.01274
pull
Entries 83
Mean 807
Std Dev 766.8
pull1D
Entries 83
Mean 0.01249
Std Dev 0.5627

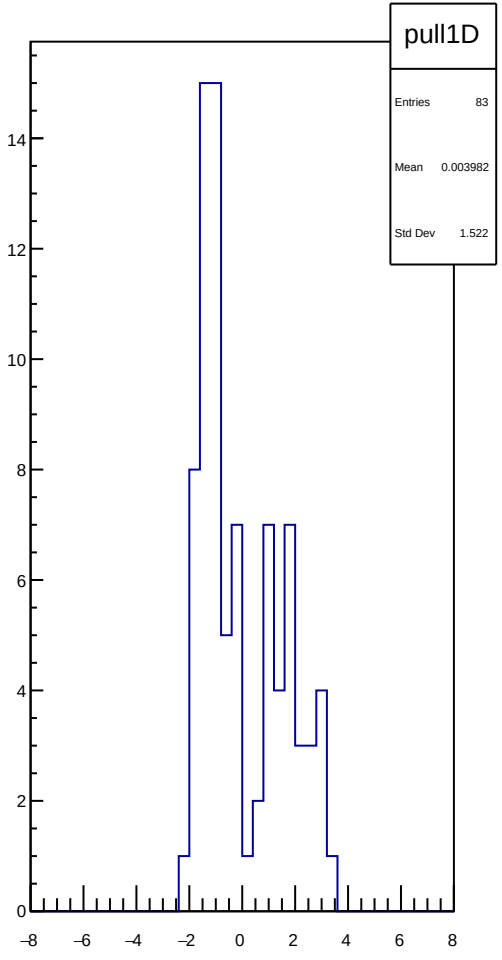

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 702.2 / 82
p0 13.81 ± 0.3387
pull
Entries 83
Mean −143.3
Std Dev 180.2
pull1D
Entries 83
Mean −0.2359
Std Dev 2.899

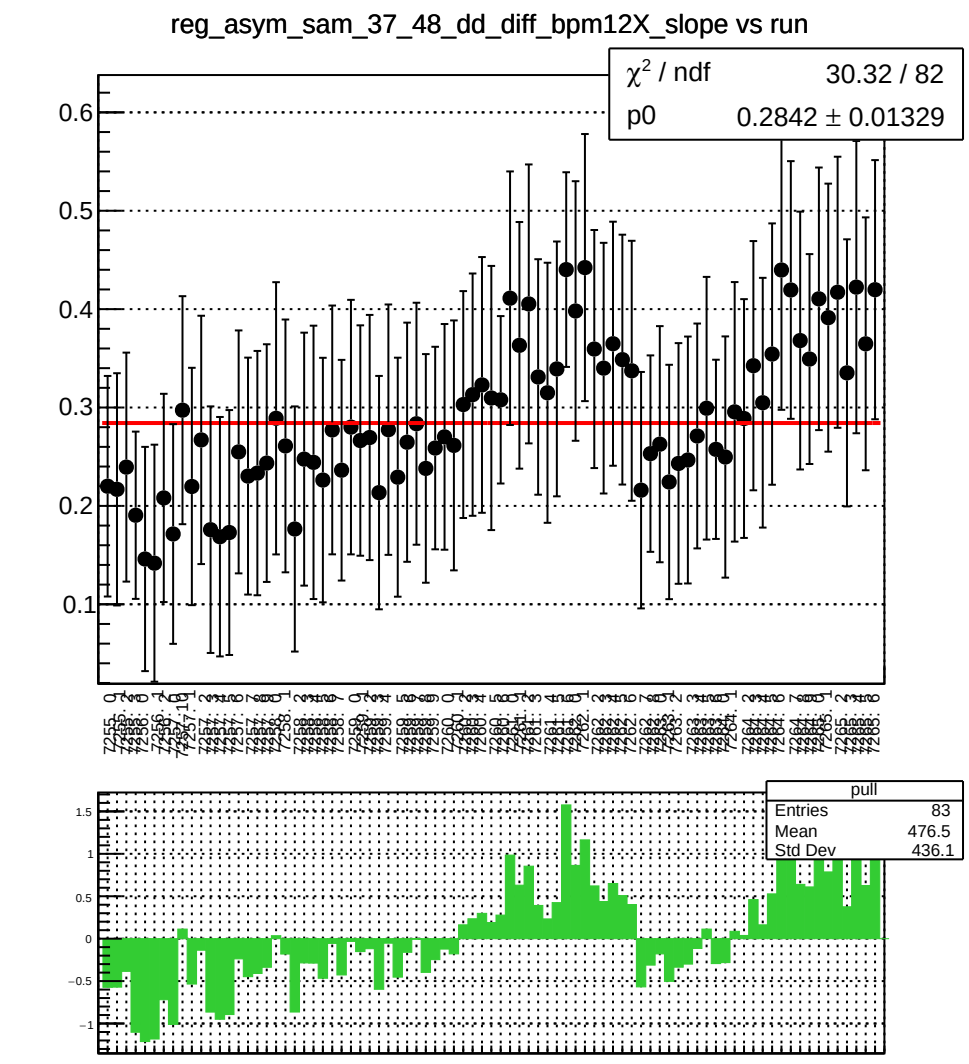

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 244.9 / 82
p0 1.513 ± 0.2997
pull
Entries 83
Mean 1065
Std Dev 1026

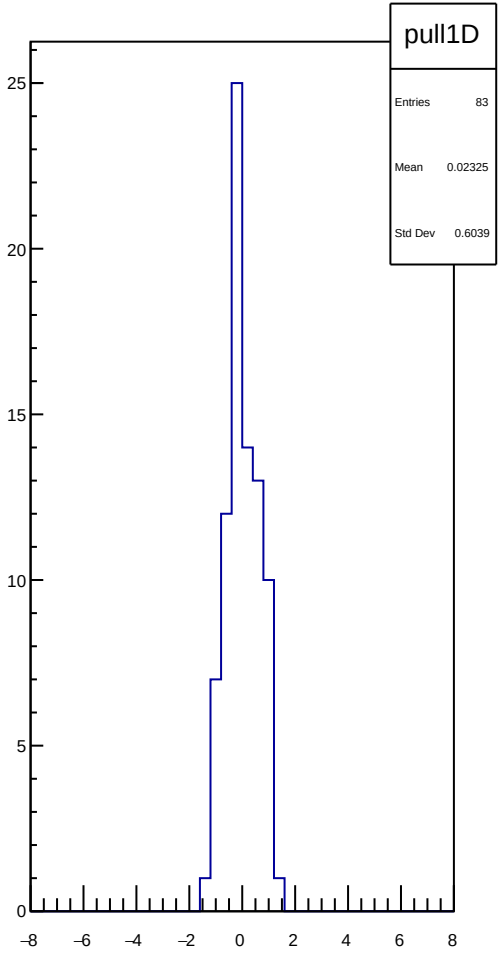

pull1D
Entries 83
Mean −0.02285
Std Dev 1.717

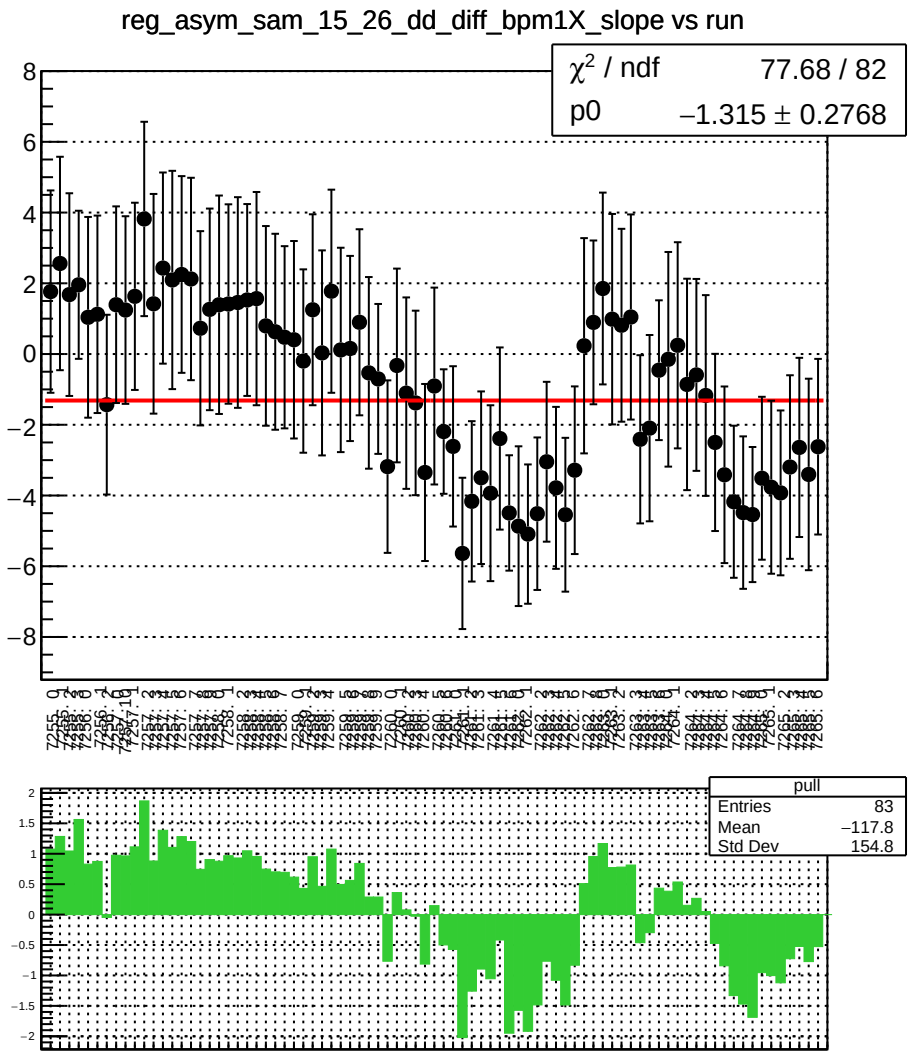

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 646.8 / 82
p0 3.218 ± 0.3676
pull
Entries 83
Mean −130.5
Std Dev 167.2
pull1D
Entries 83
Mean 0.2407
Std Dev 2.781

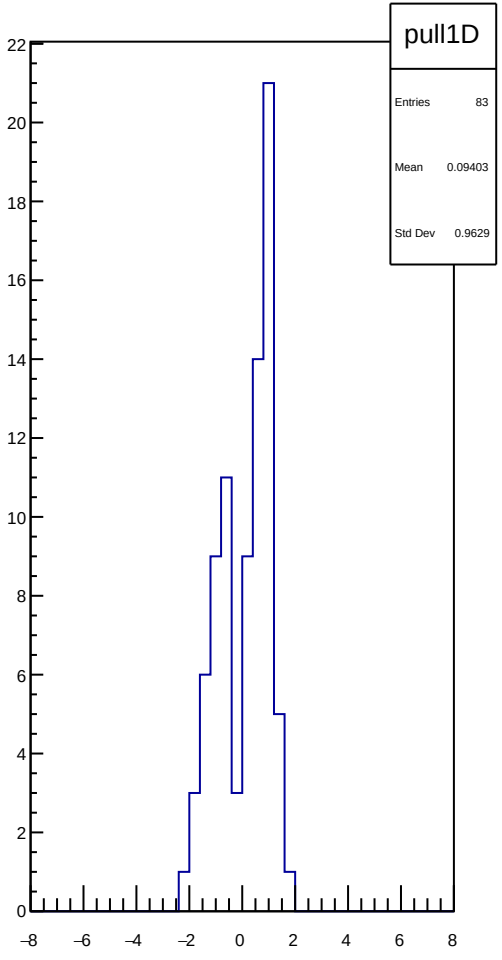

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 192.3 / 82
p0 −48.79 ± 0.3157
−35
−40
−45
−50
−55
pull
Entries 83
Mean 5308
Std Dev 5269
3
2
1
0
−1
−2

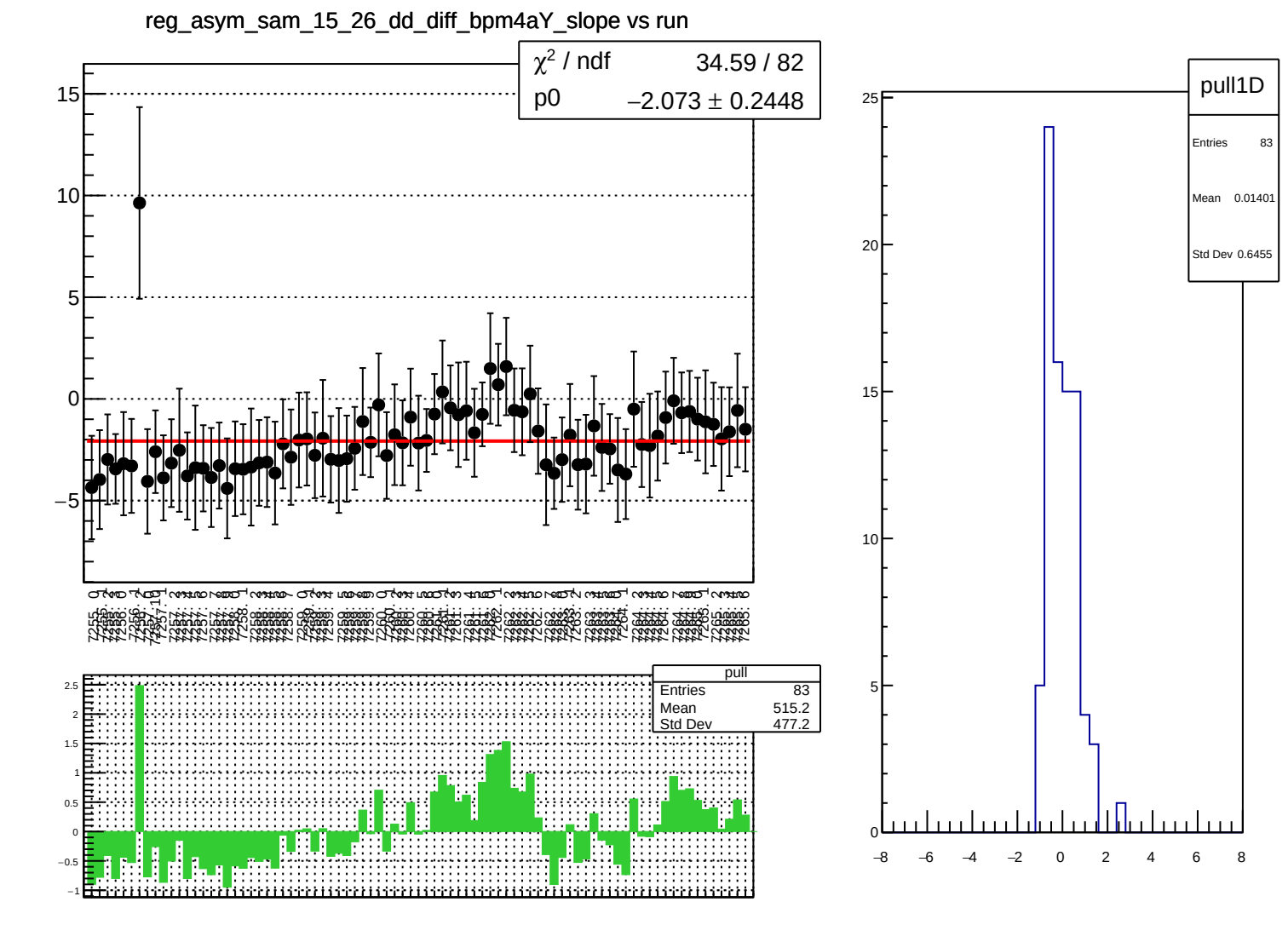

pull1D
Entries 83
Mean 0.003982
Std Dev 1.522
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

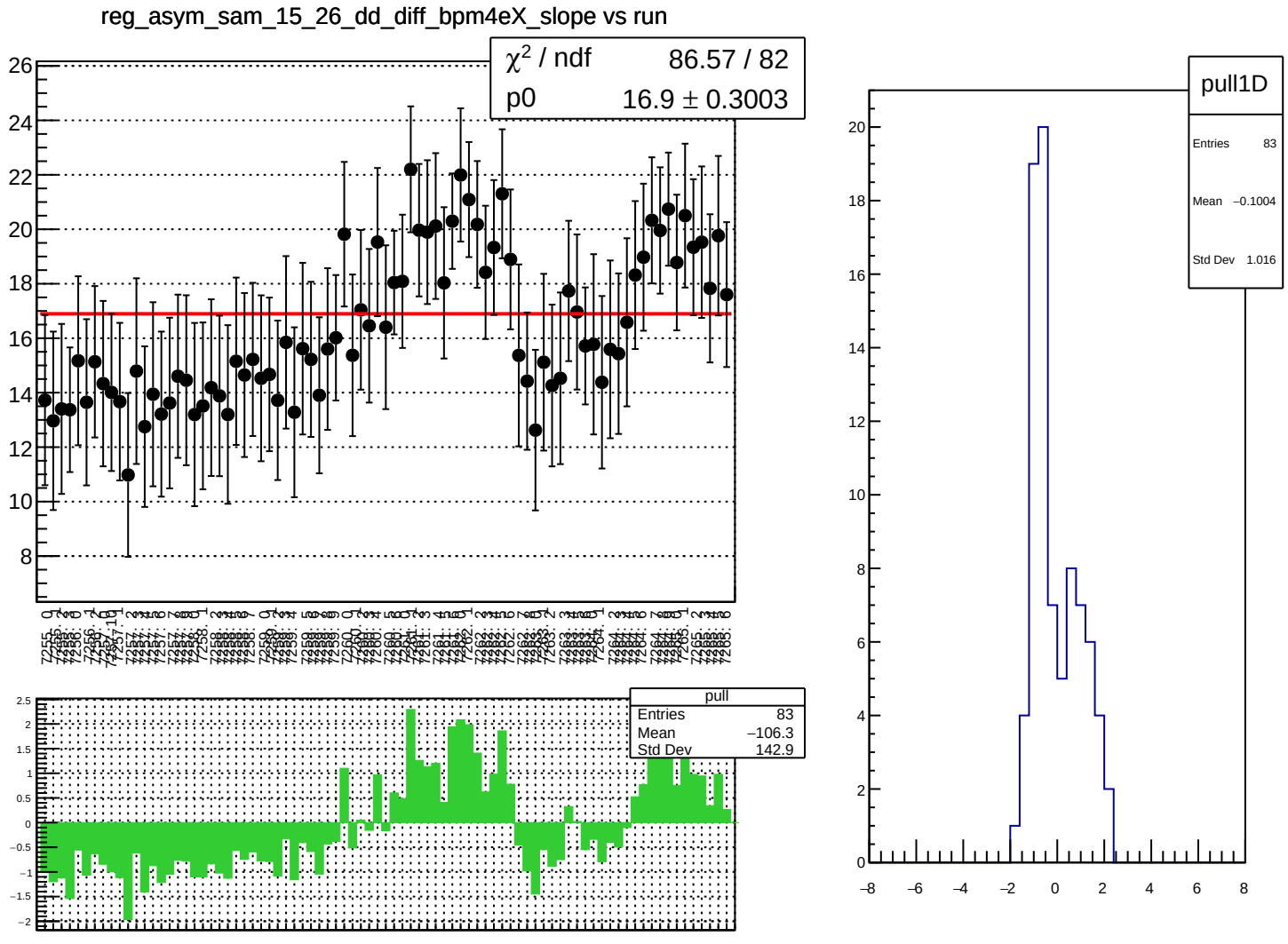

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 30.32 / 82
p0 0.2842 ± 0.01329
pull
Entries 83
Mean 476.5
Std Dev 436.1

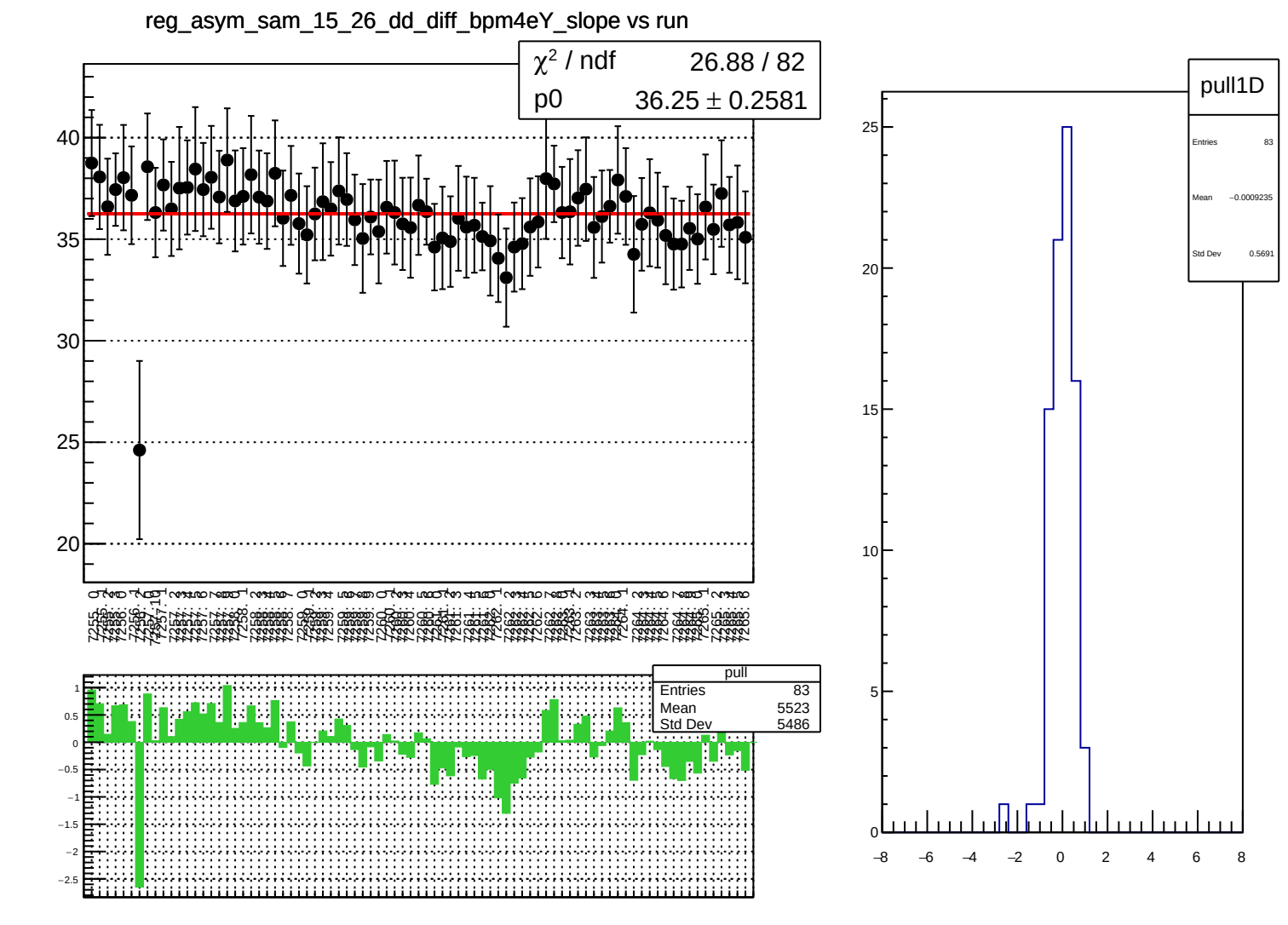

pull1D
Entries 83
Mean 0.02325
Std Dev 0.6039

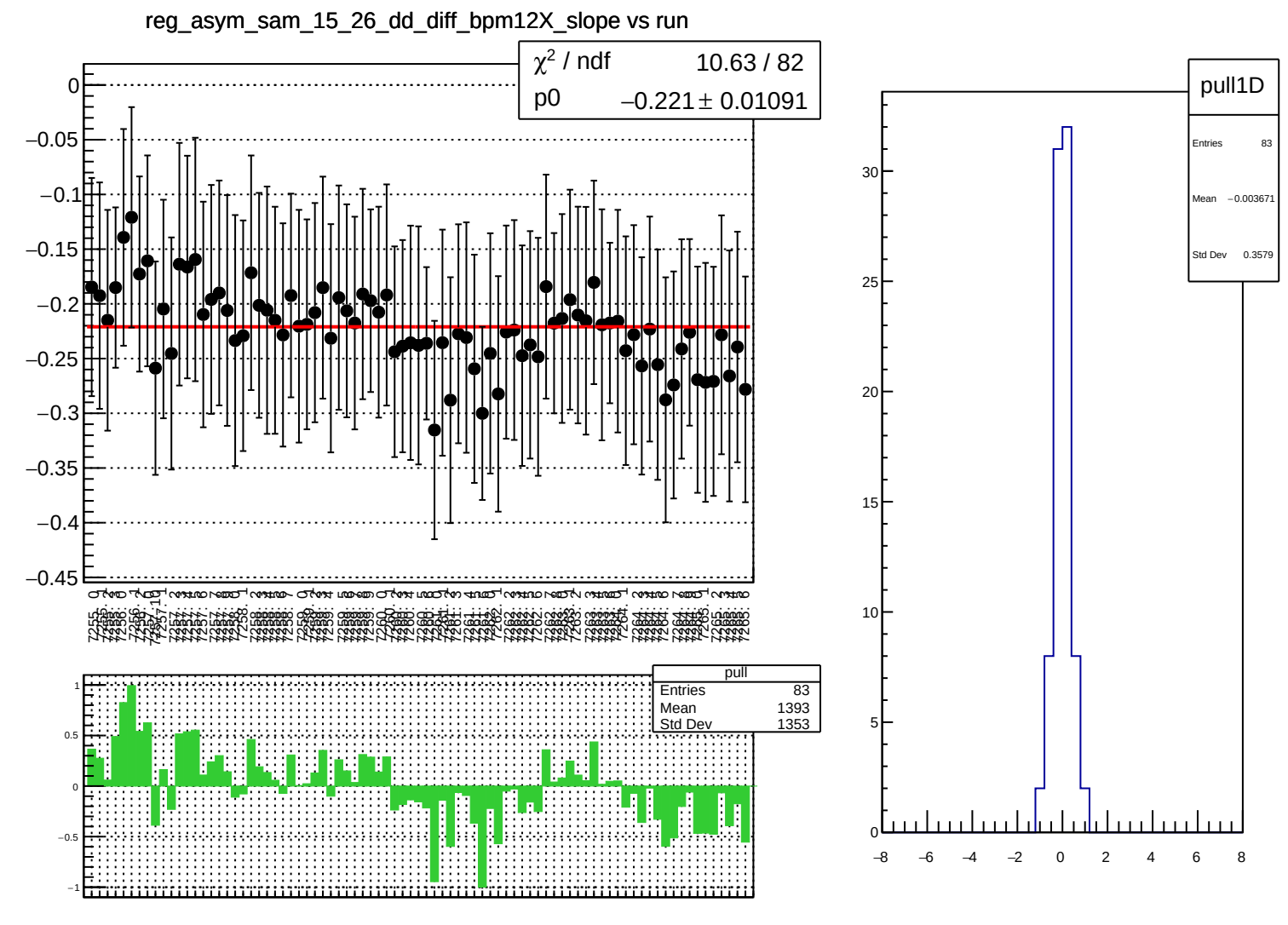

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 77.68 / 82
p0 −1.315 ± 0.2768
pull
Entries 83
Mean −117.8
Std Dev 154.8

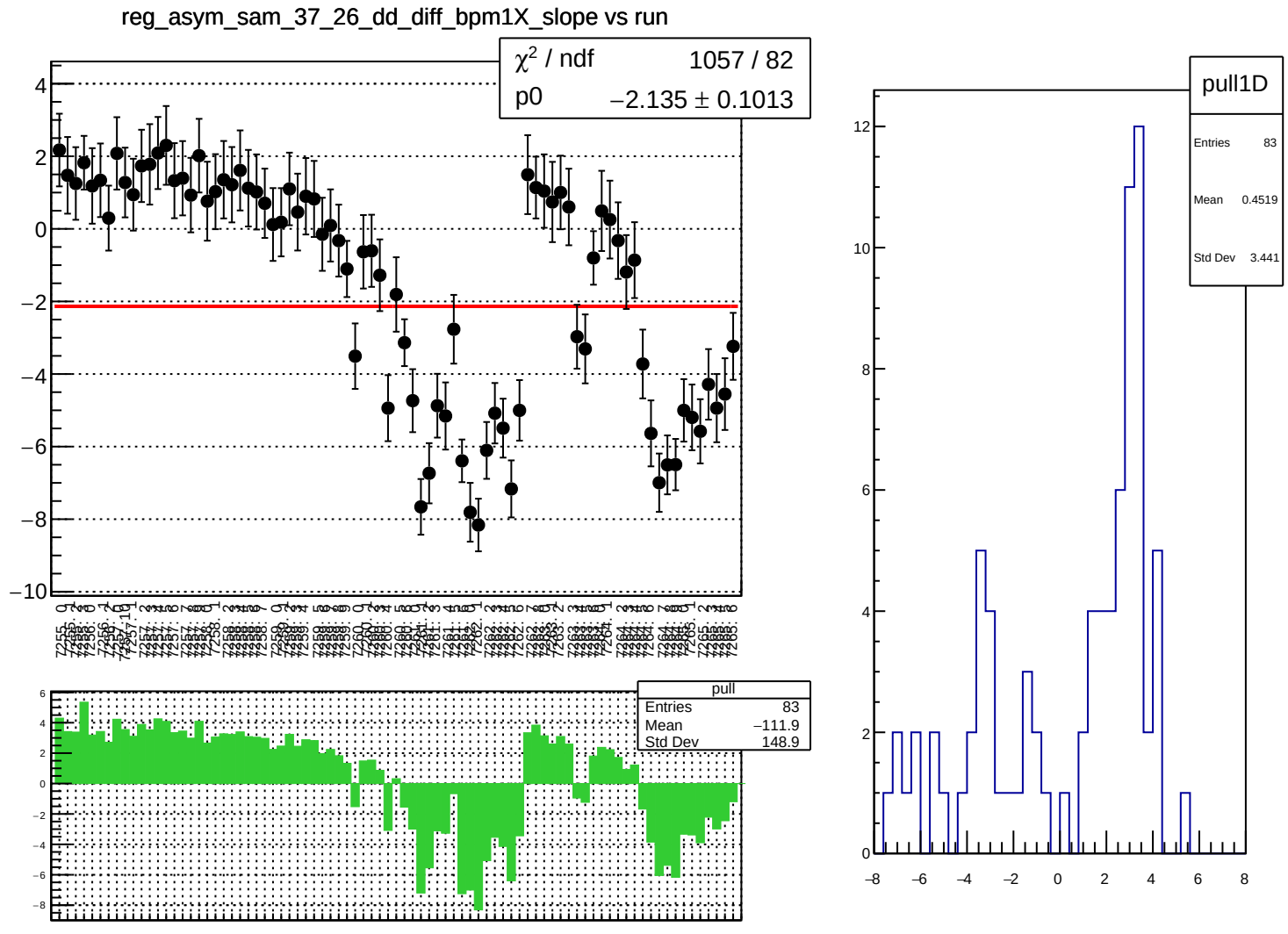

pull1D
Entries 83
Mean 0.09403
Std Dev 0.9629

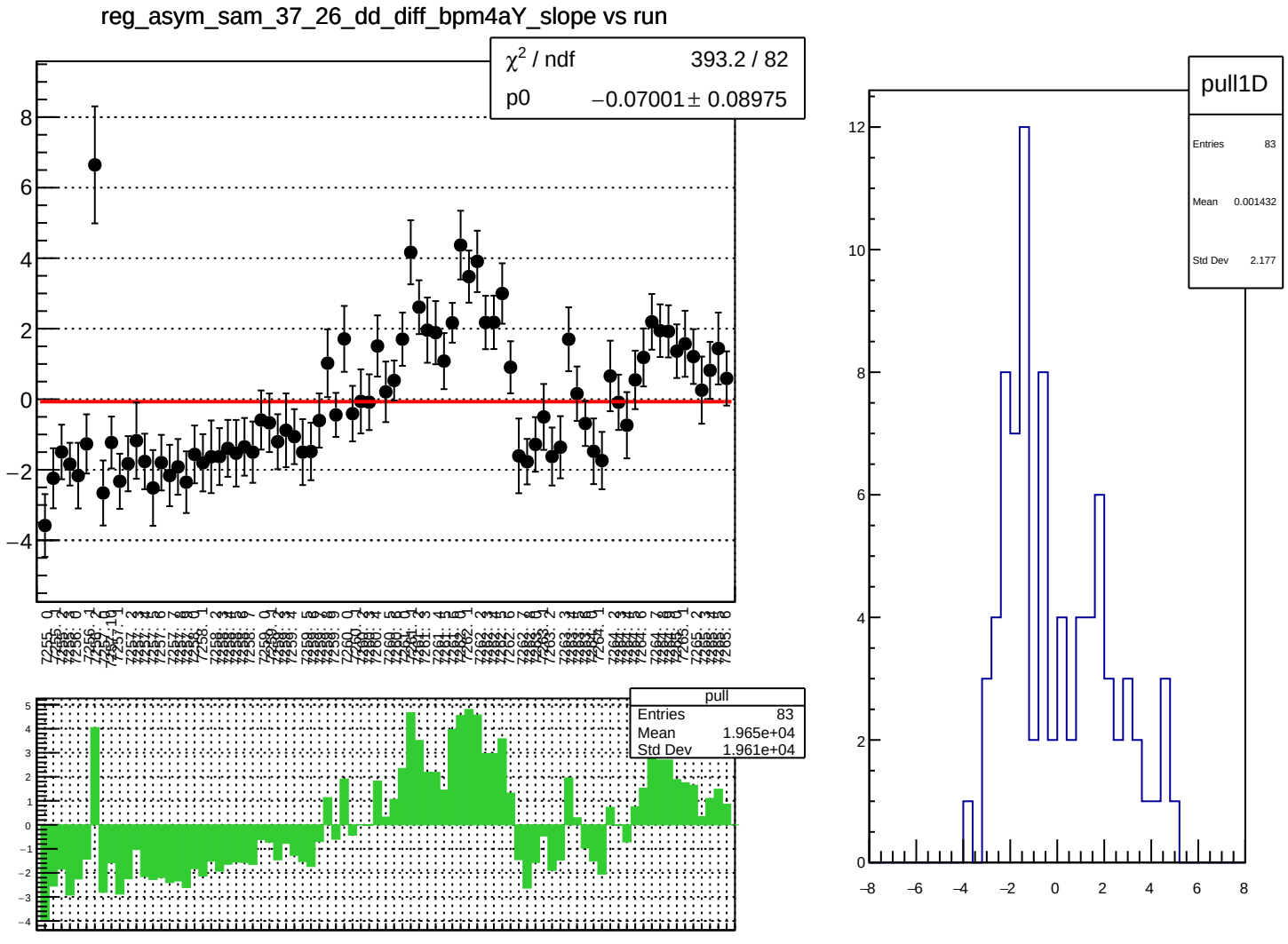

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.59 / 82
p0 −2.073 ± 0.2448
pull
Entries 83
Mean 515.2
Std Dev 477.2
pull1D
Entries 83
Mean 0.01401
Std Dev 0.6455

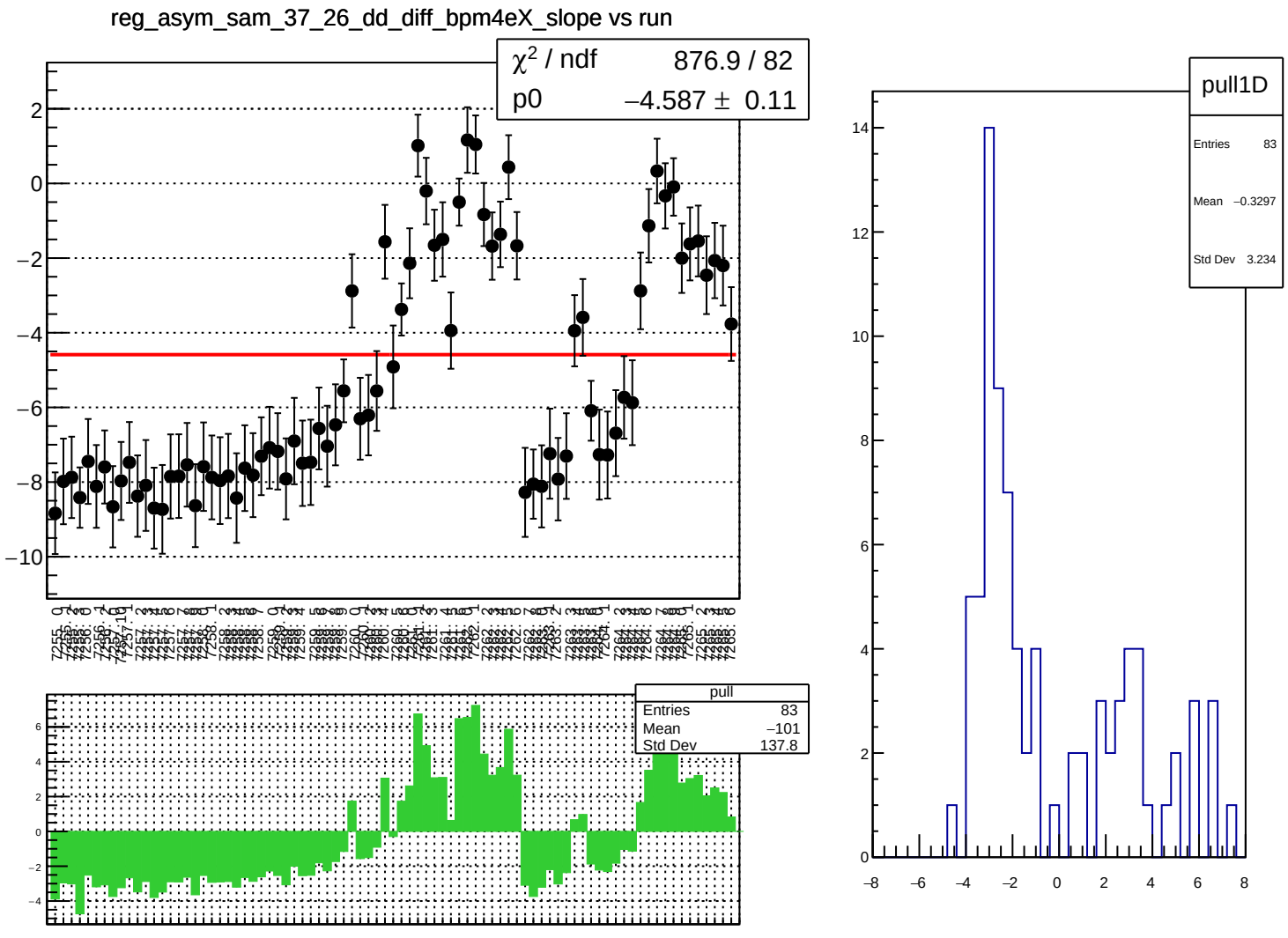

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.57 / 82
p0 16.9 ± 0.3003
pull
Entries 83
Mean −106.3
Std Dev 142.9
pull1D
Entries 83
Mean −0.1004
Std Dev 1.016

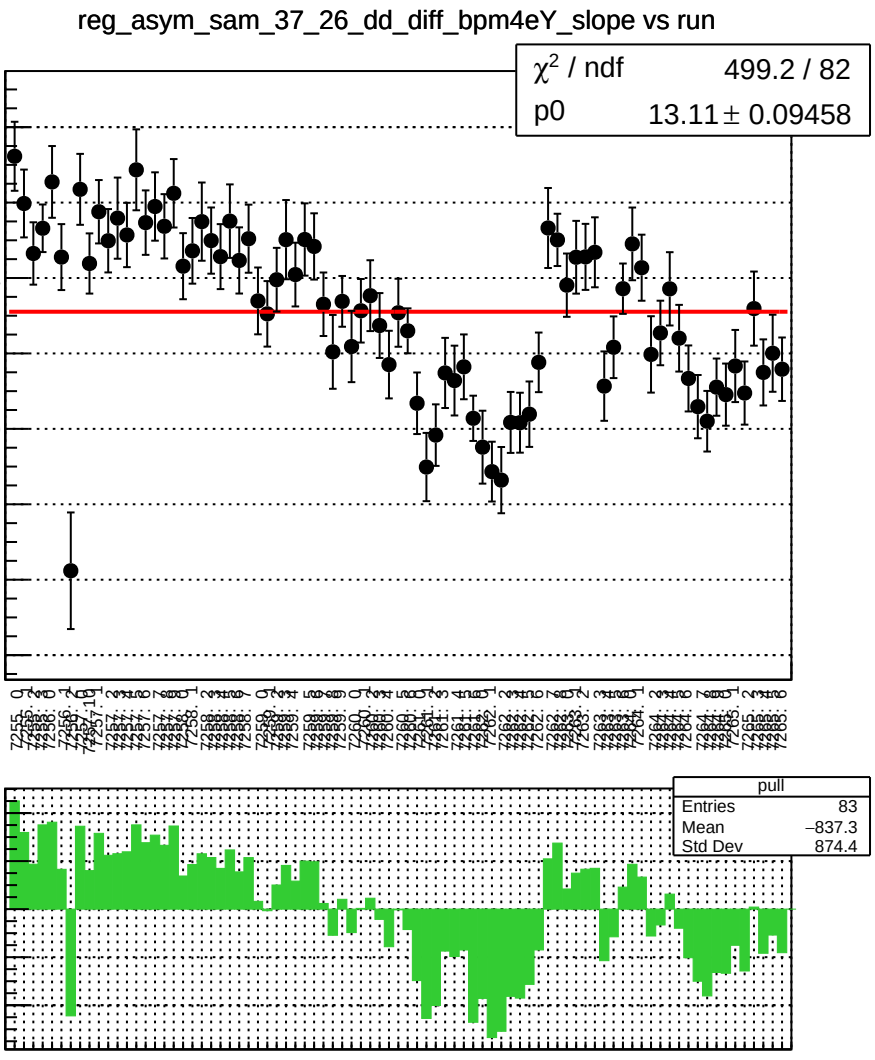

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.88 / 82
p0 36.25 ± 0.2581
pull
Entries 83
Mean 5523
Std Dev 5486
pull1D
Entries 83
Mean −0.0009235
Std Dev 0.5691

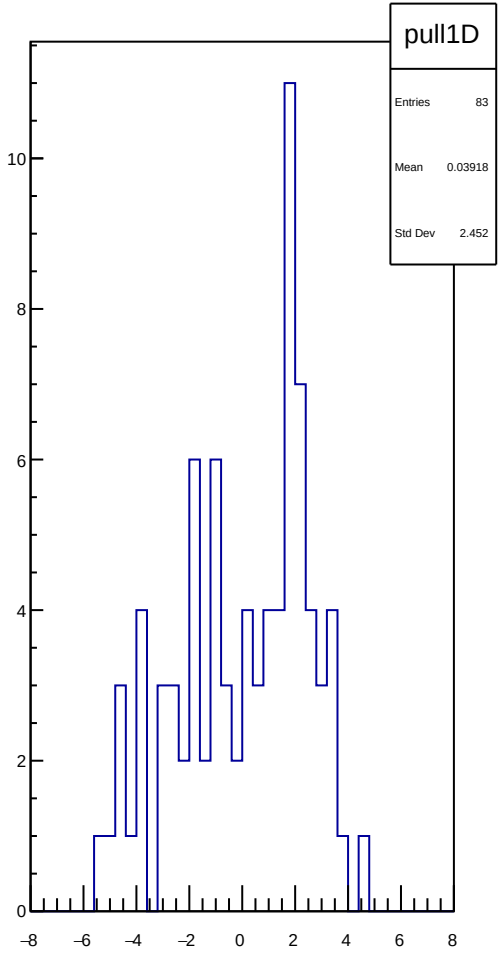

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 10.63 / 82
p0 −0.221 ± 0.01091
pull
Entries 83
Mean 1393
Std Dev 1353
pull1D
Entries 83
Mean −0.003671
Std Dev 0.3579

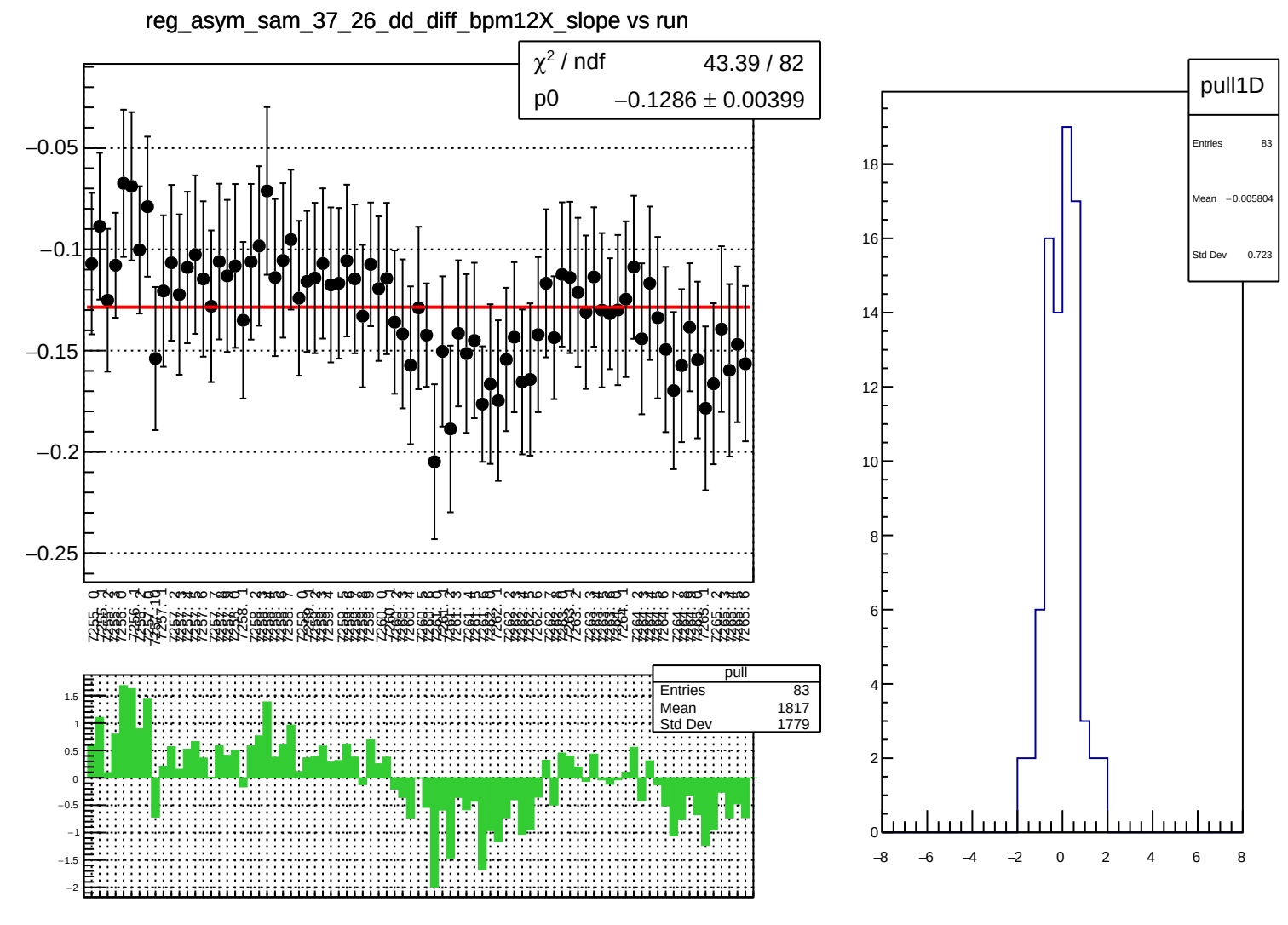

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1057 / 82
p0 −2.135 ± 0.1013
pull
Entries 83
Mean −111.9
Std Dev 148.9
pull1D
Entries 83
Mean 0.4519
Std Dev 3.441

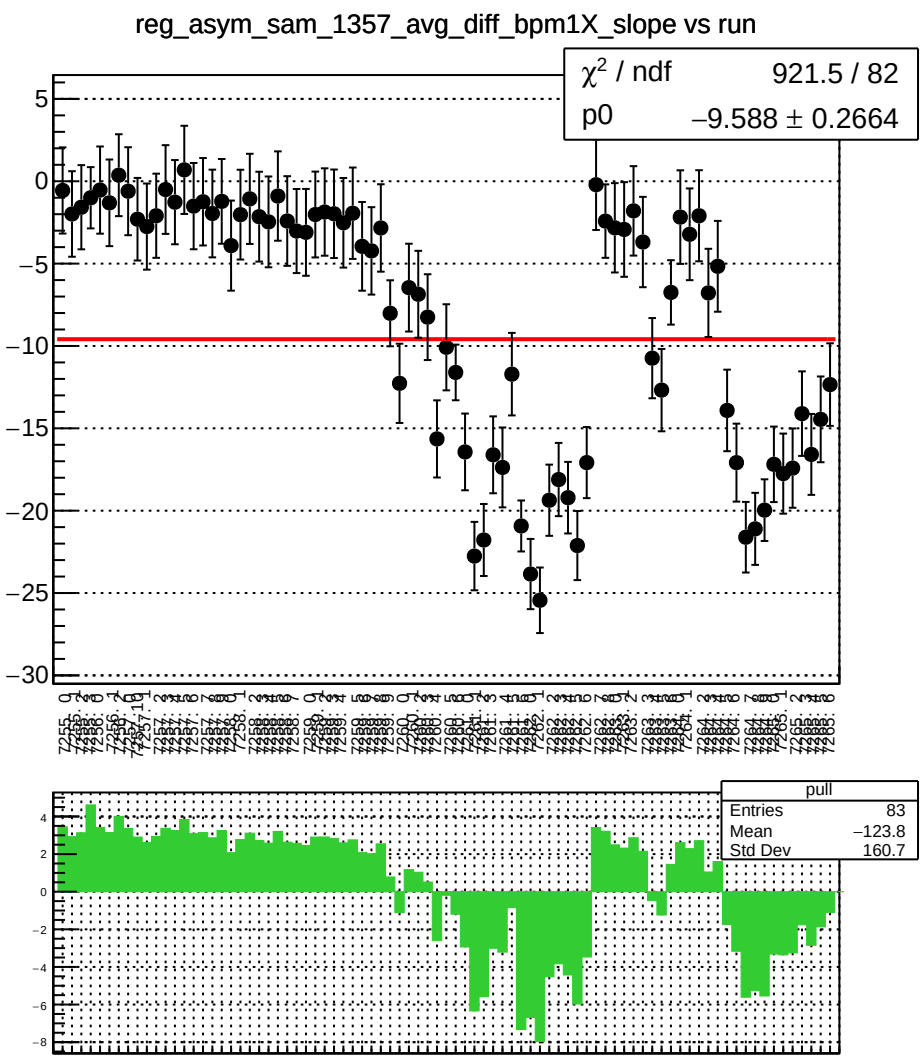

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 393.2 / 82
p0 −0.07001 ± 0.08975
pull
Entries 83
Mean 1.965e+04
Std Dev 1.961e+04
pull1D
Entries 83
Mean 0.001432
Std Dev 2.177

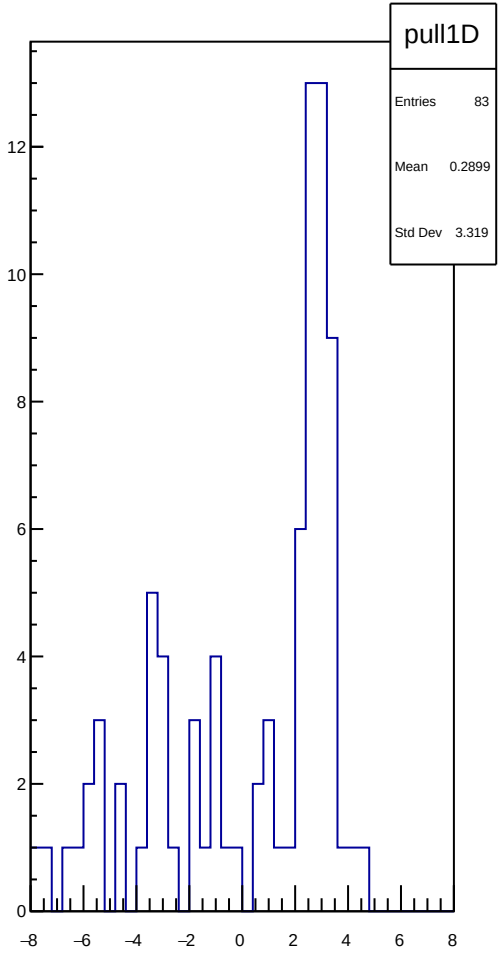

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 876.9 / 82
p0 −4.587 ± 0.11
pull
Entries 83
Mean −101
Std Dev 137.8
pull1D
Entries 83
Mean −0.3297
Std Dev 3.234

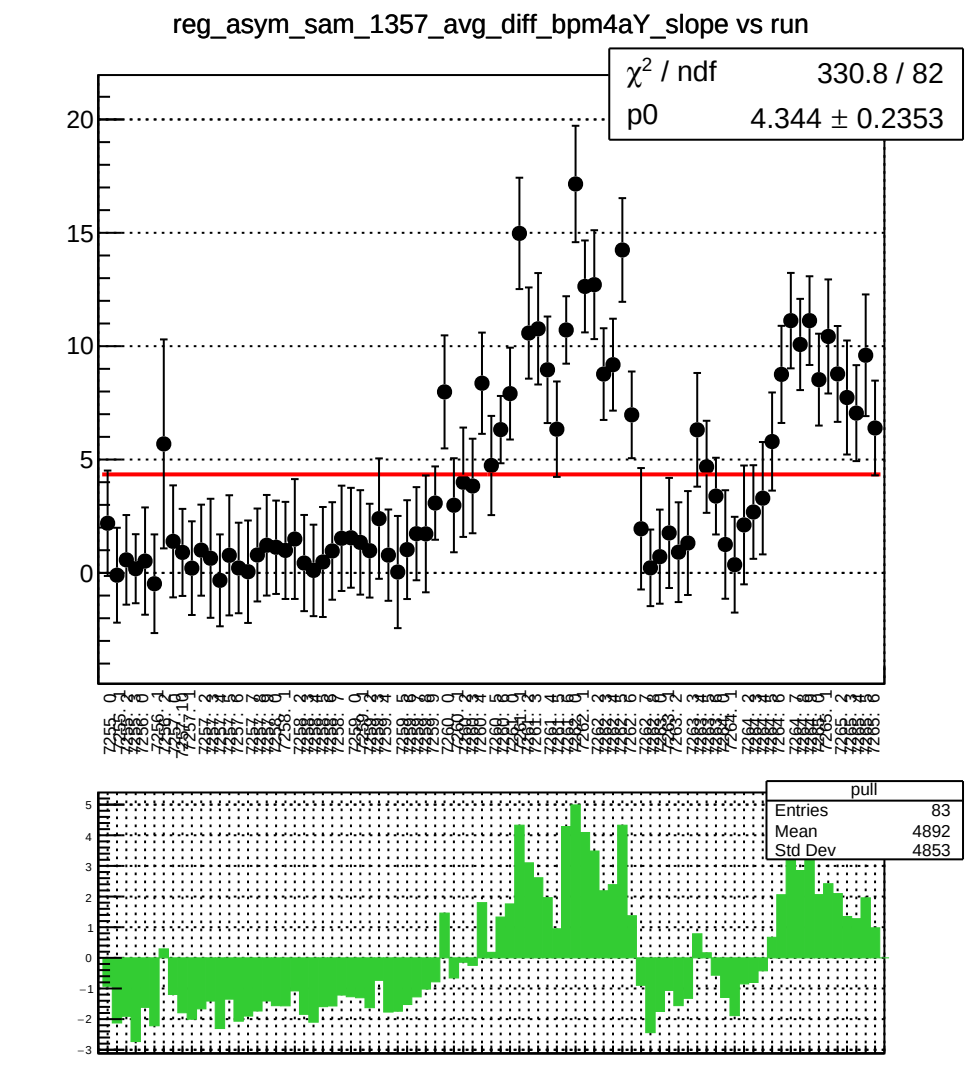

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 499.2 / 82
p0 13.11 ± 0.09458
pull
Entries 83
Mean −837.3
Std Dev 874.4

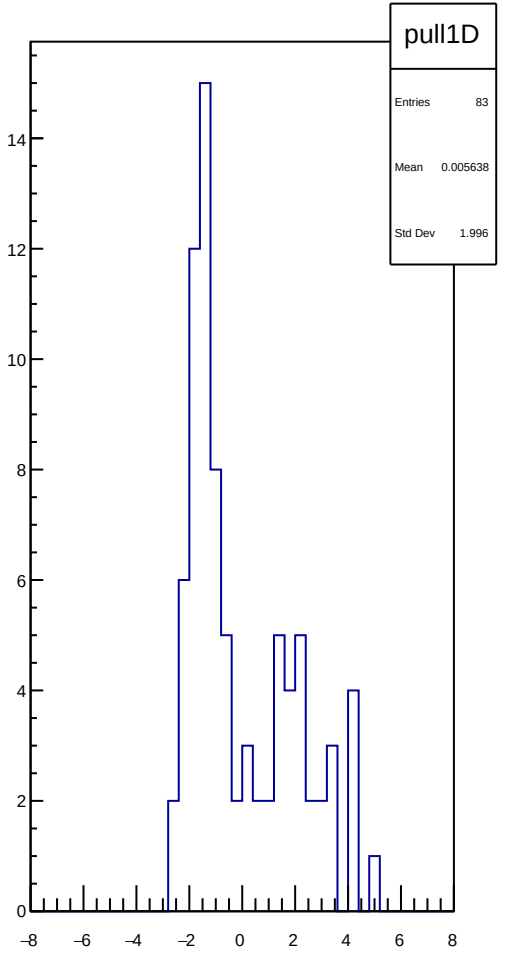

pull1D
Entries 83
Mean 0.03918
Std Dev 2.452

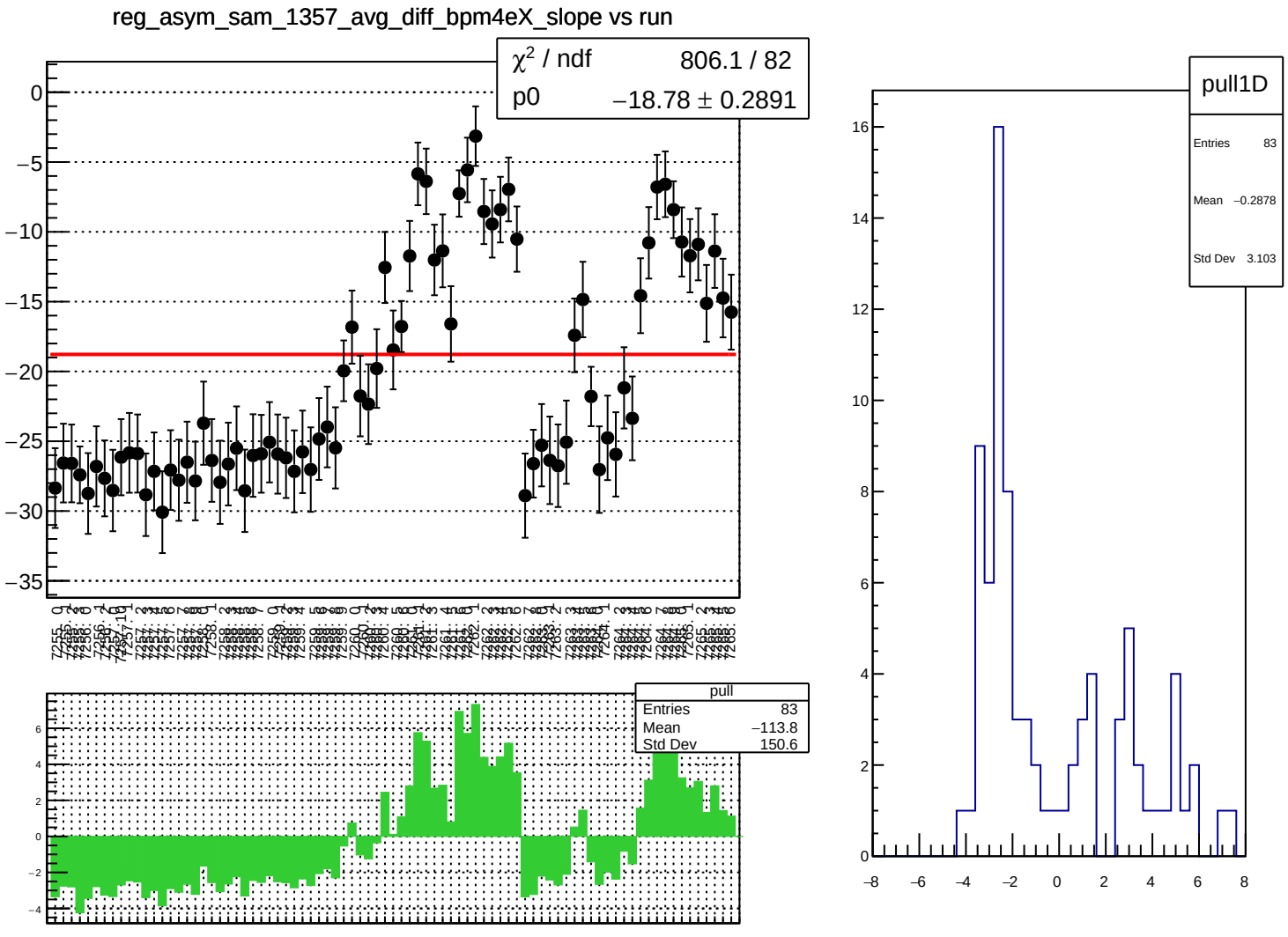

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 43.39 / 82
p0 −0.1286 ± 0.00399
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 83
Mean 1817
Std Dev 1779
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.005804
Std Dev 0.723
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

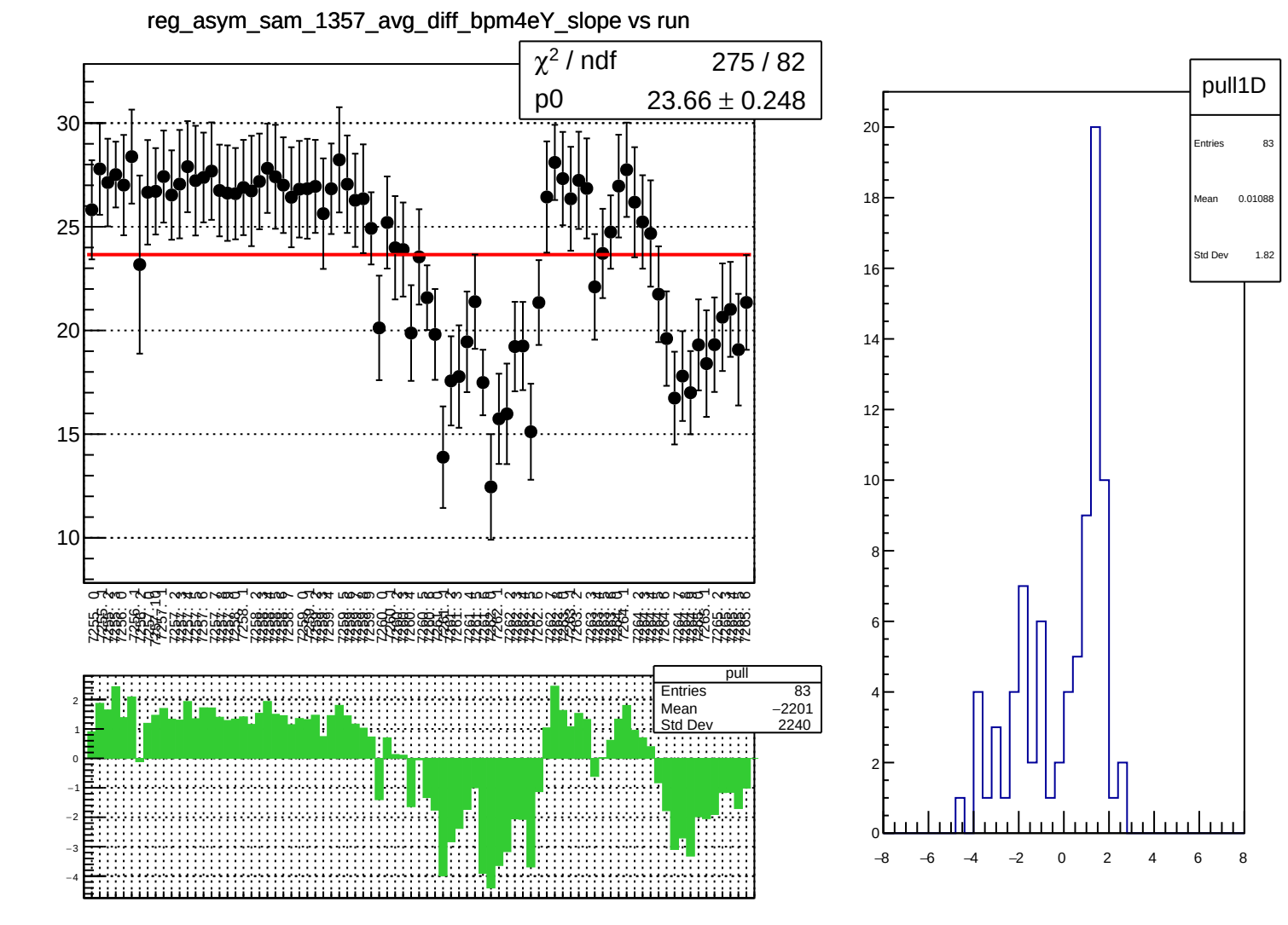

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 921.5 / 82
p0 −9.588 ± 0.2664
pull
Entries 83
Mean −123.8
Std Dev 160.7

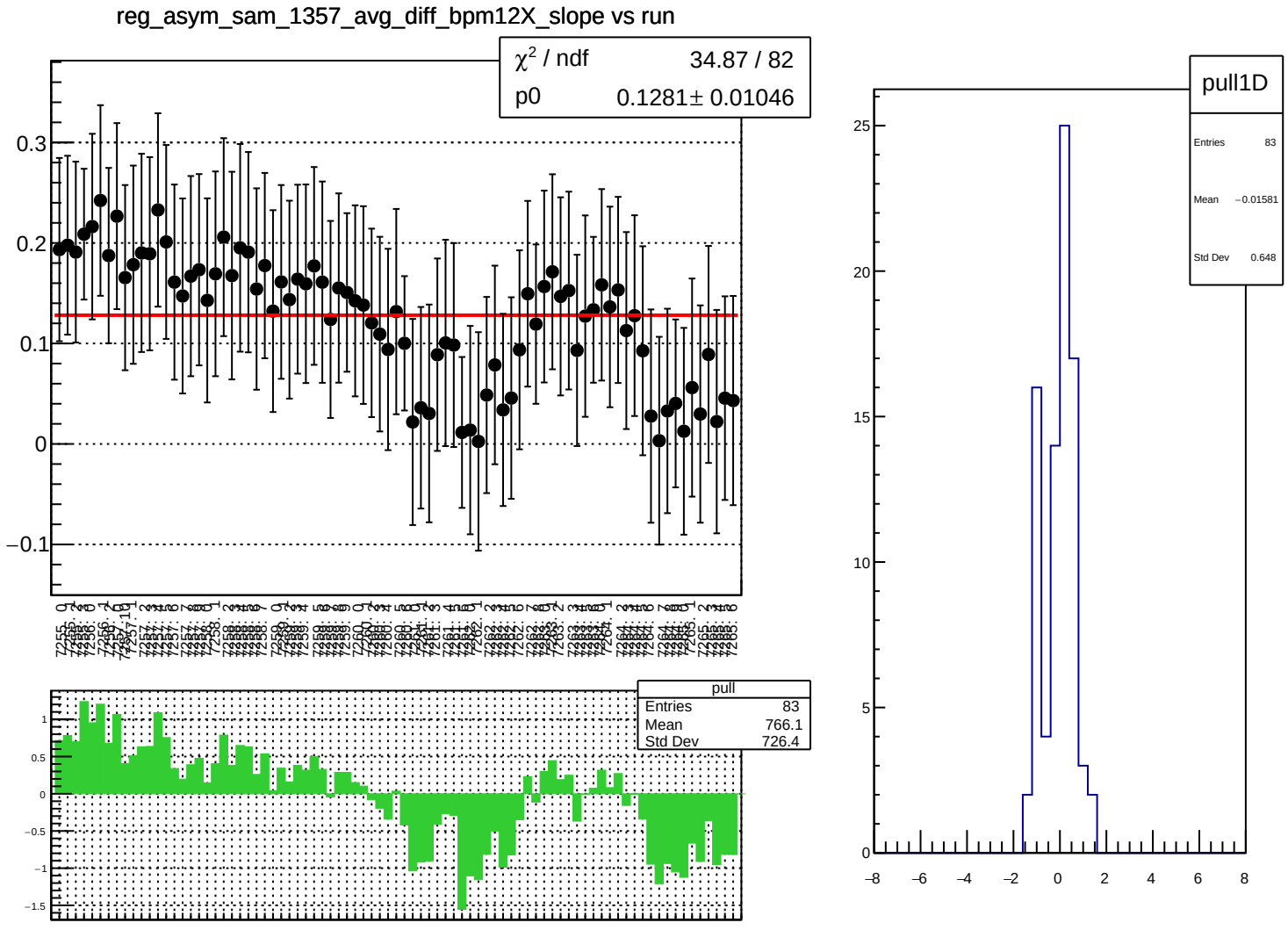

pull1D
Entries 83
Mean 0.2899
Std Dev 3.319

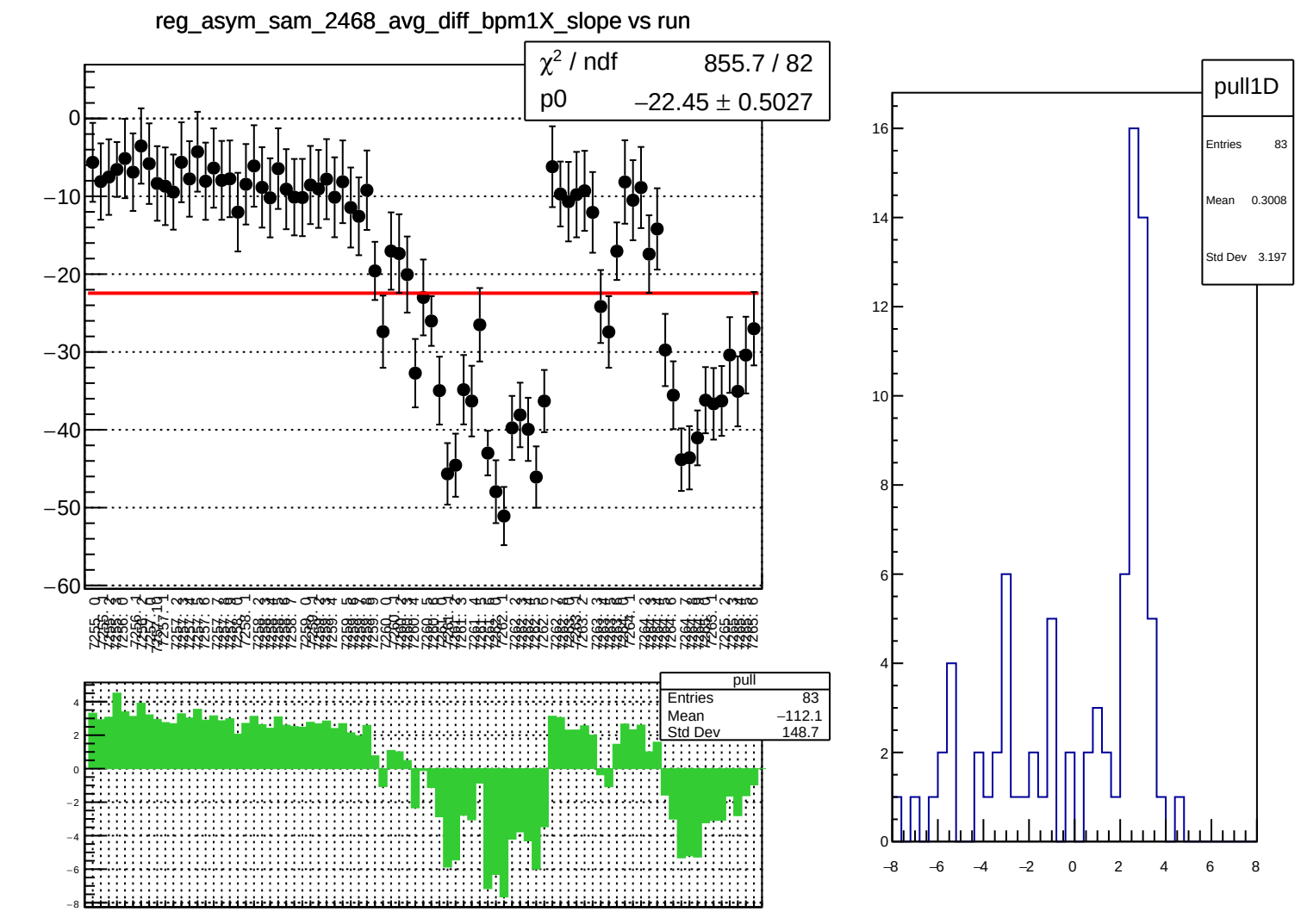

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 330.8 / 82
p0 4.344 ± 0.2353
pull
Entries 83
Mean 4892
Std Dev 4853

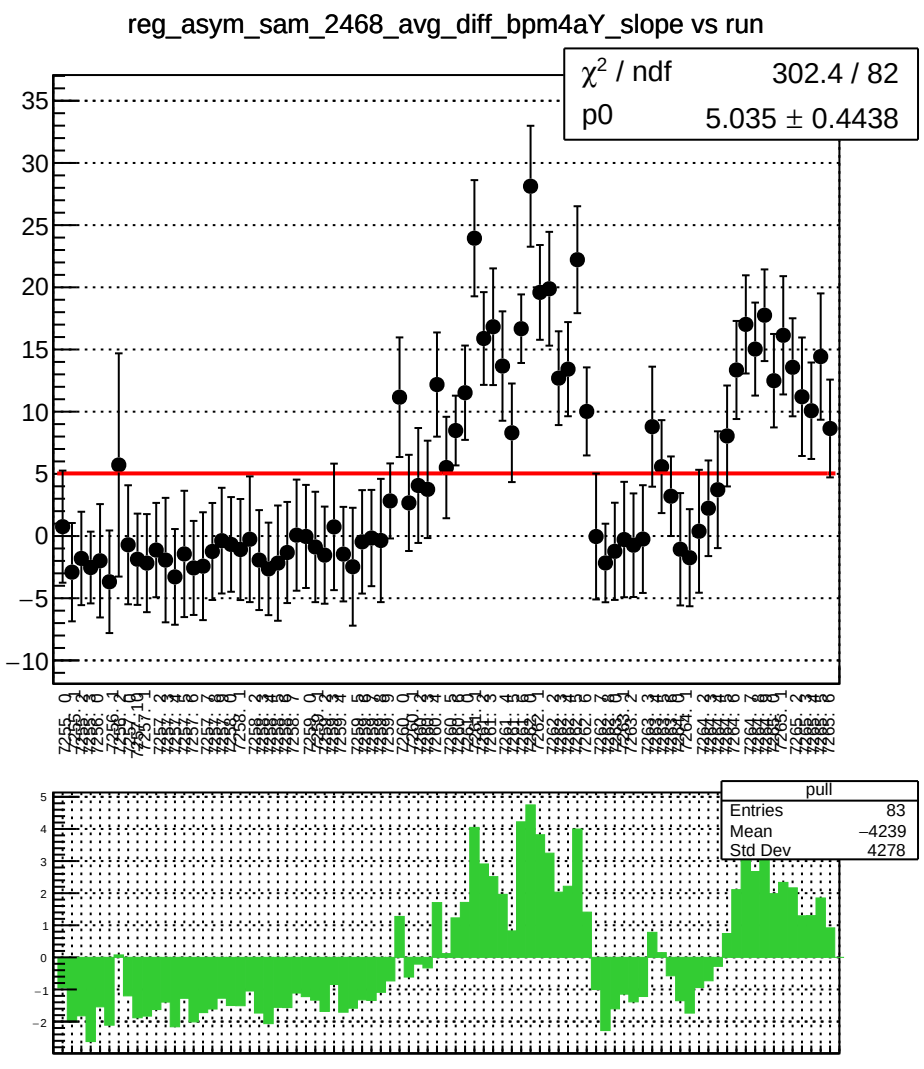

pull1D
Entries 83
Mean 0.005638
Std Dev 1.996

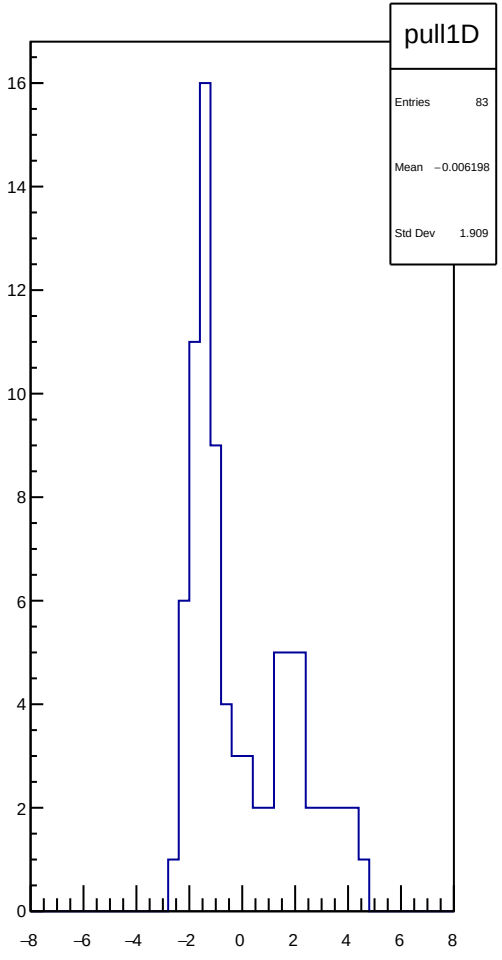

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 806.1 / 82
p0 −18.78 ± 0.2891
pull
Entries 83
Mean −113.8
Std Dev 150.6
pull1D
Entries 83
Mean −0.2878
Std Dev 3.103

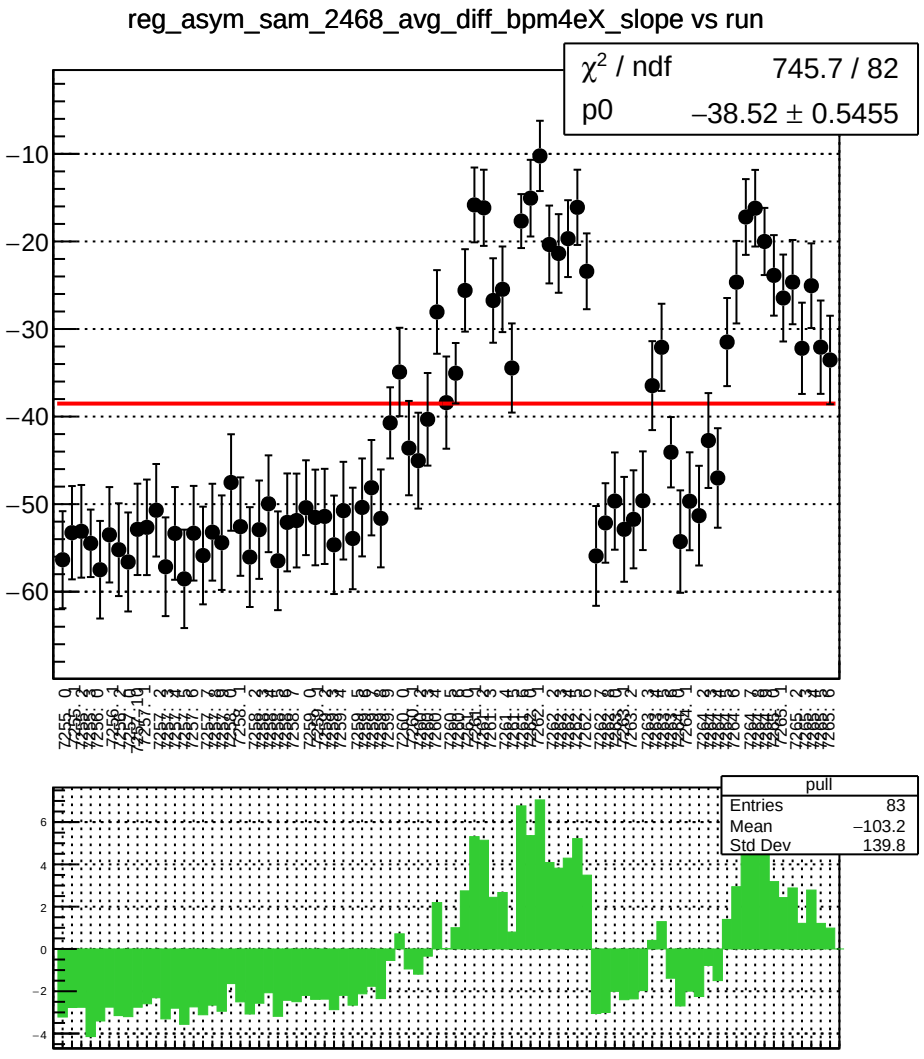

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 275 / 82
p0 23.66 ± 0.248
pull
Entries 83
Mean −2201
Std Dev 2240
pull1D
Entries 83
Mean 0.01088
Std Dev 1.82

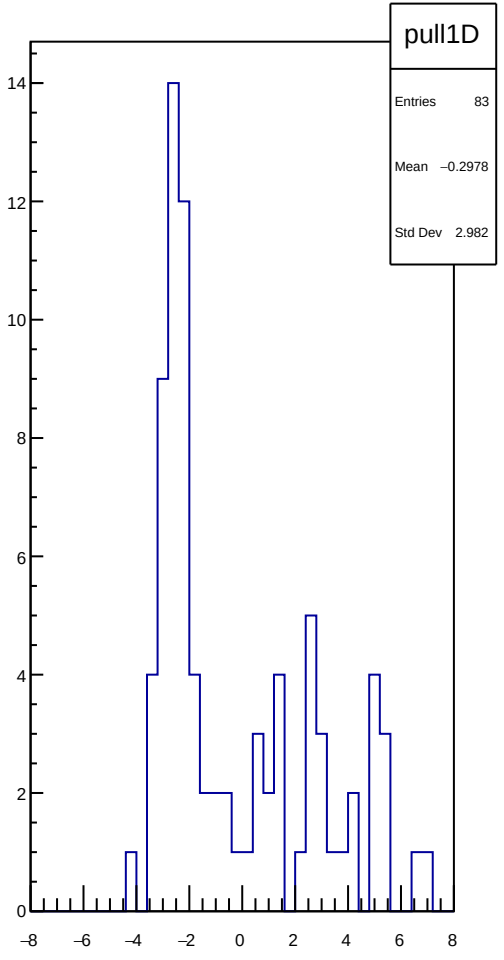

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 34.87 / 82
p0 0.1281± 0.01046
0.3
0.2
0.1
0
−0.1
pull
Entries 83
Mean 766.1
Std Dev 726.4
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.01581
Std Dev 0.648
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

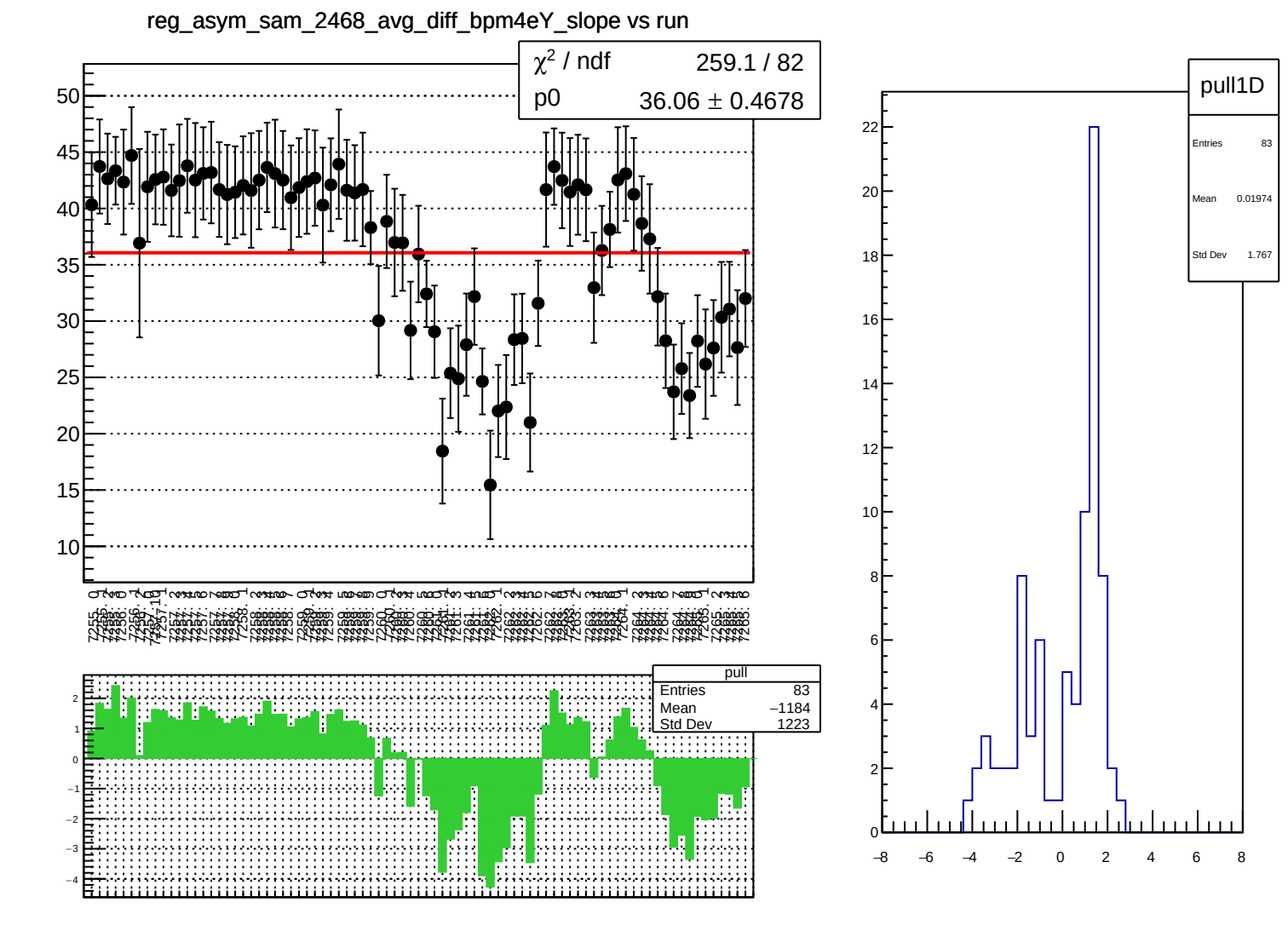

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 855.7 / 82
p0 −22.45 ± 0.5027
pull
Entries 83
Mean −112.1
Std Dev 148.7
pull1D
Entries 83
Mean 0.3008
Std Dev 3.197

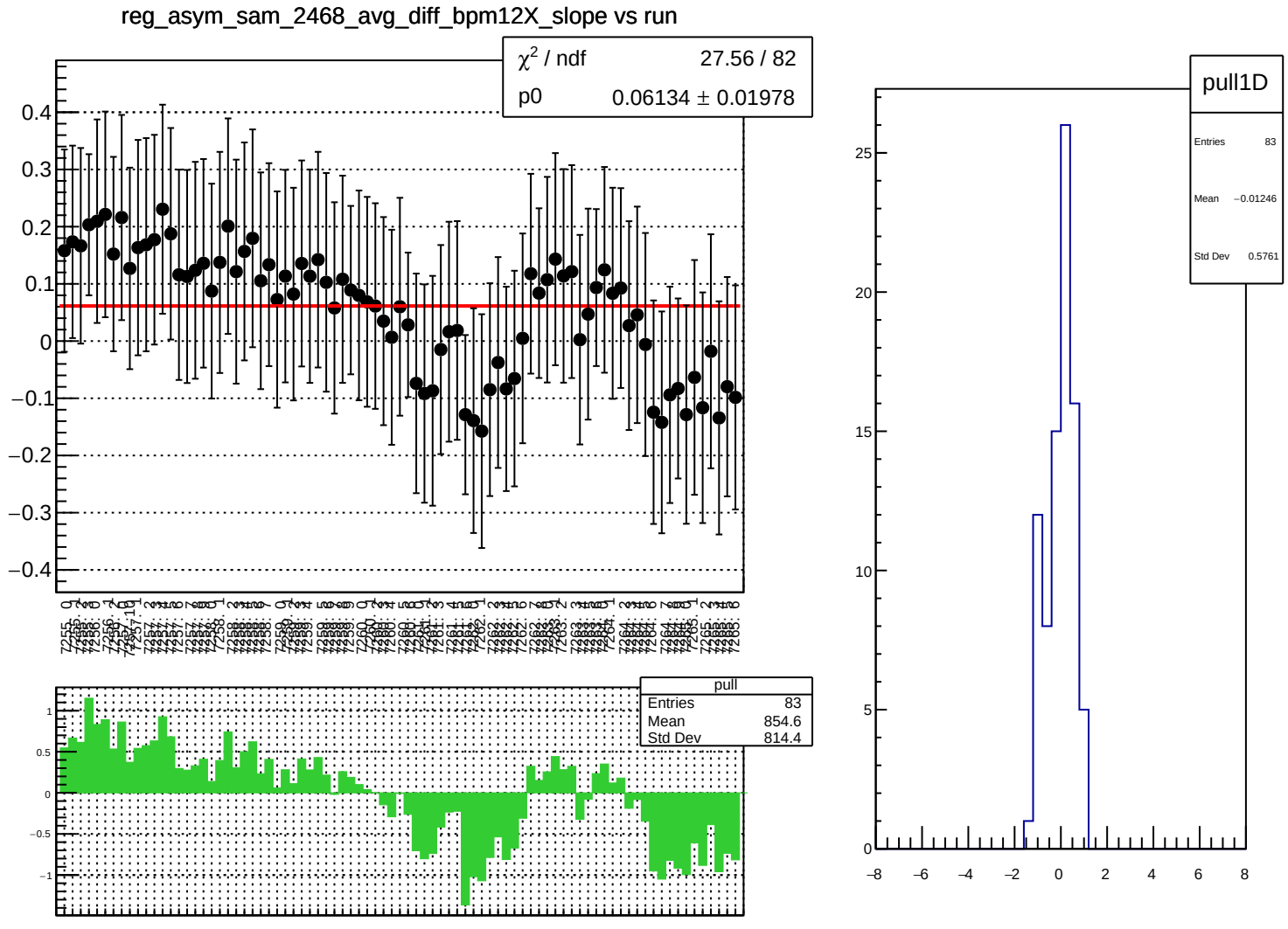

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 302.4 / 82
p0 5.035 ± 0.4438
pull
Entries 83
Mean −4239
Std Dev 4278

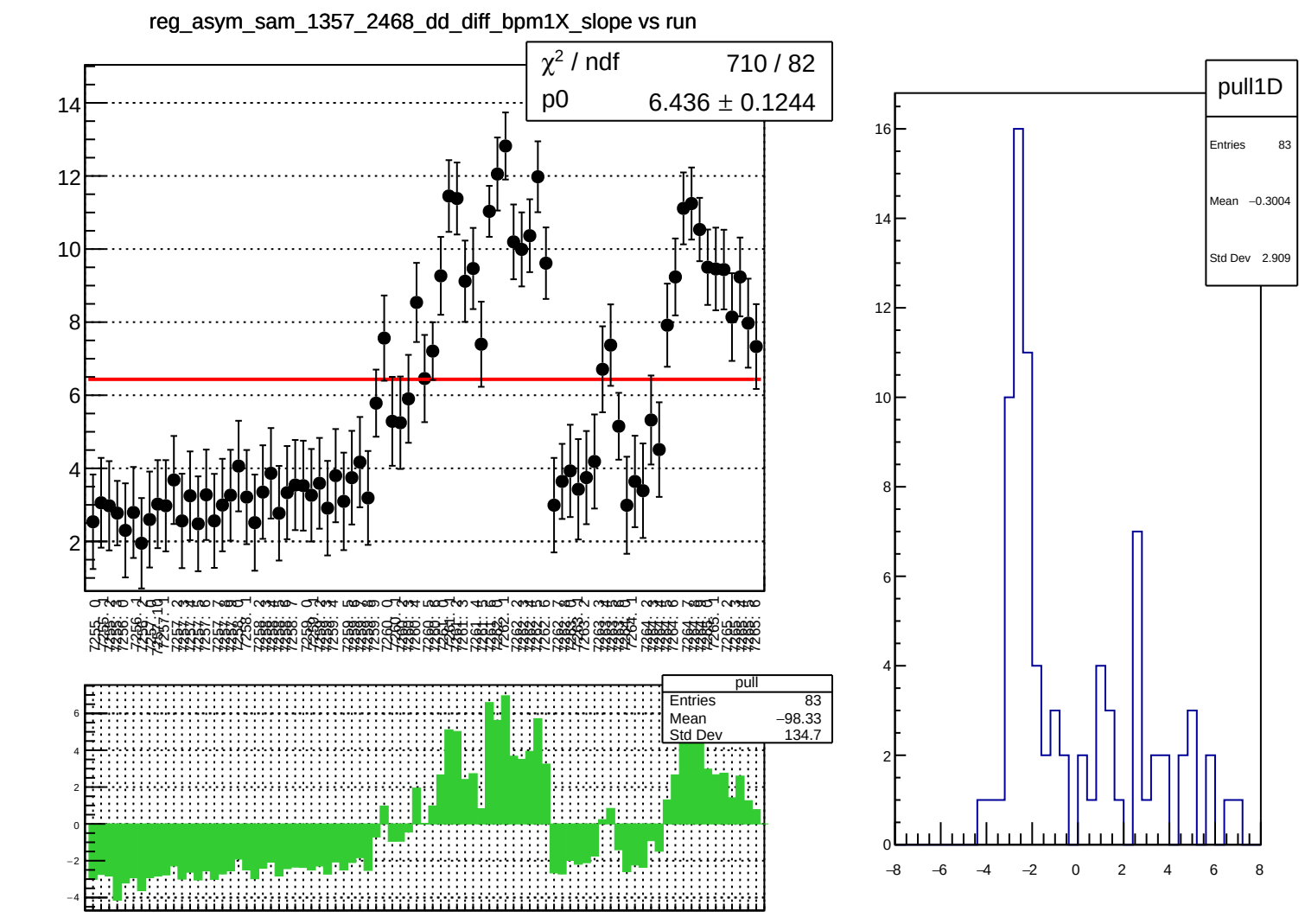

pull1D
Entries 83
Mean −0.006198
Std Dev 1.909

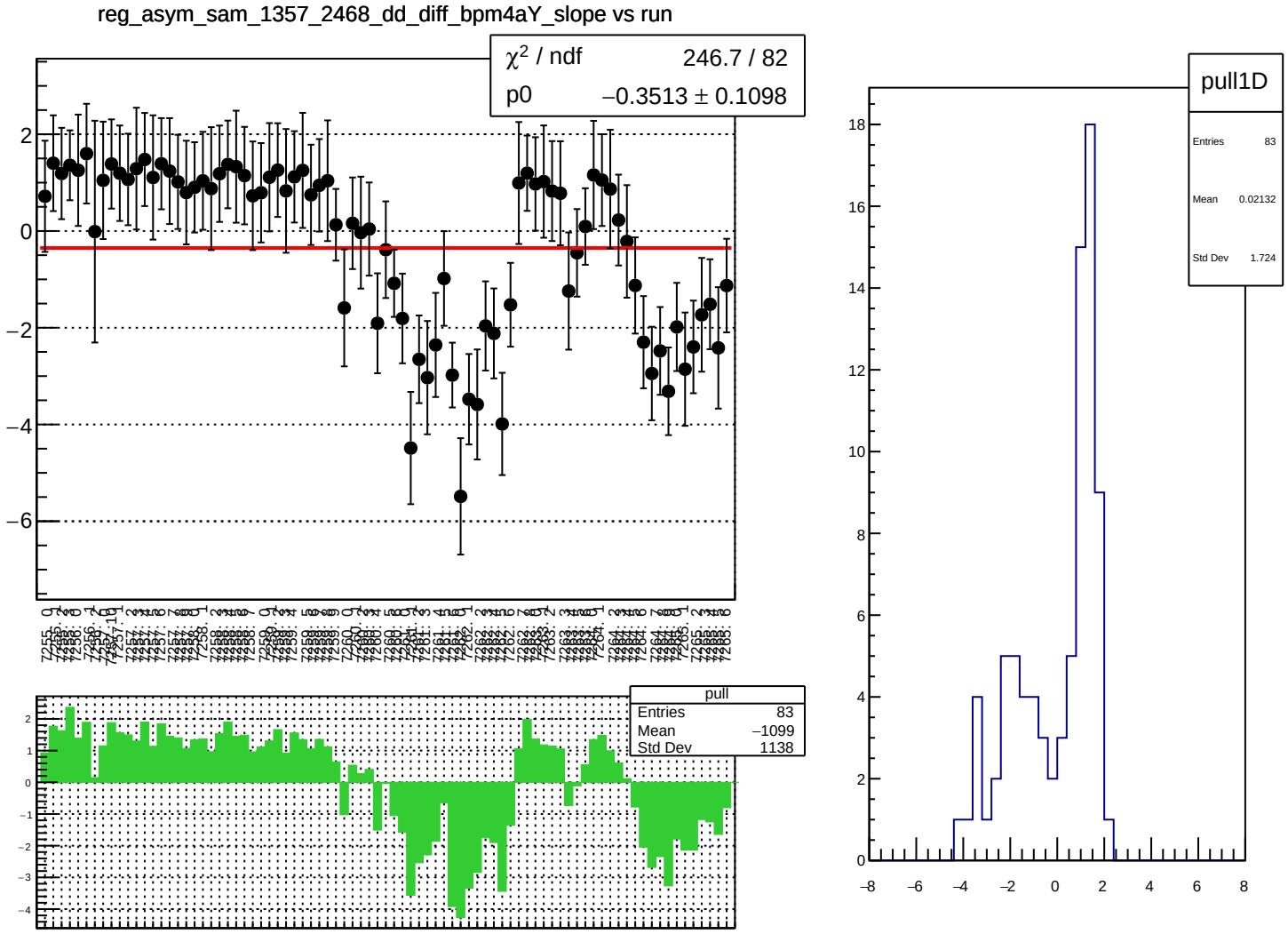

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 745.7 / 82
p0 −38.52 ± 0.5455
pull
Entries 83
Mean −103.2
Std Dev 139.8

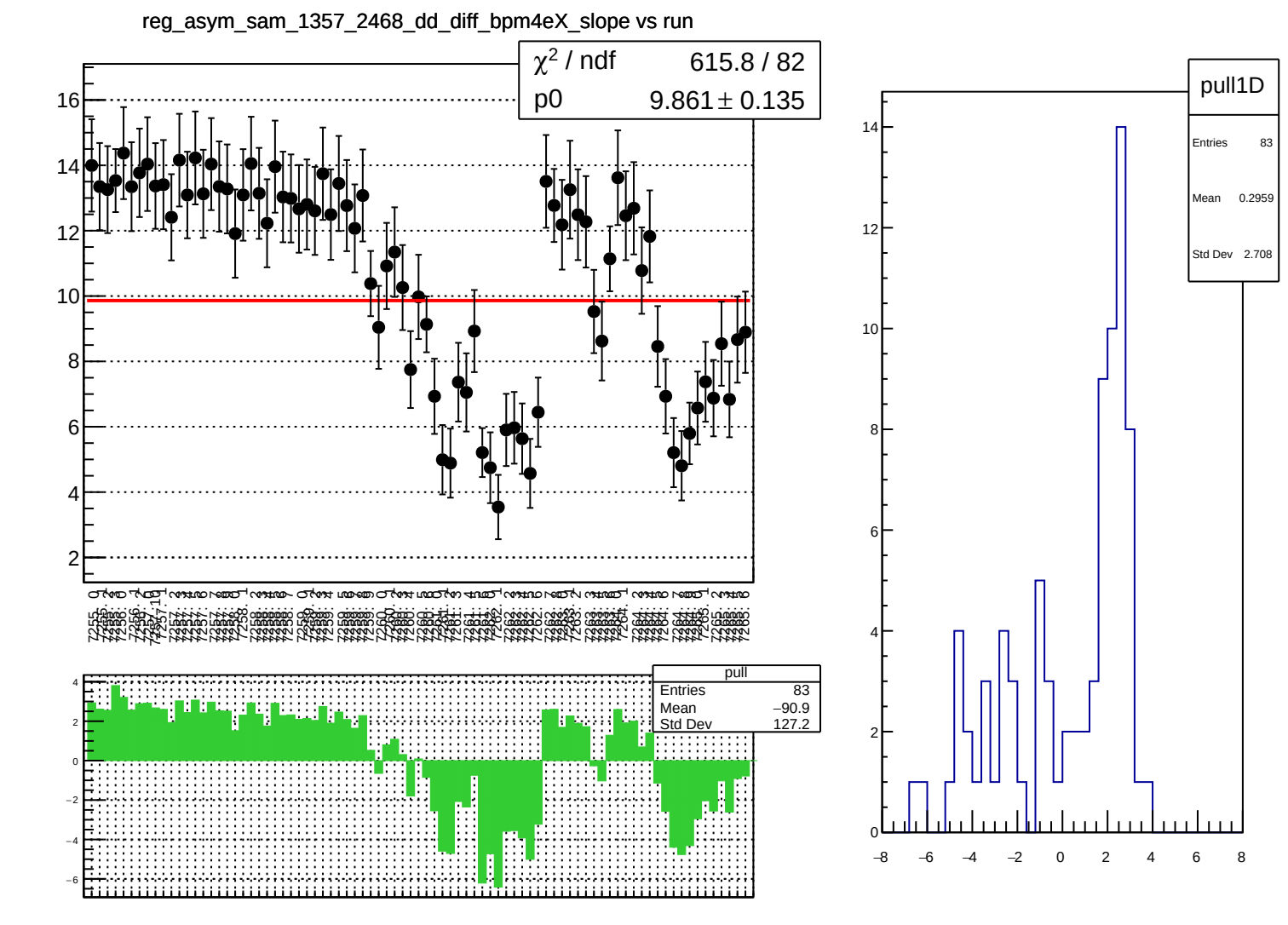

pull1D
Entries 83
Mean −0.2978
Std Dev 2.982

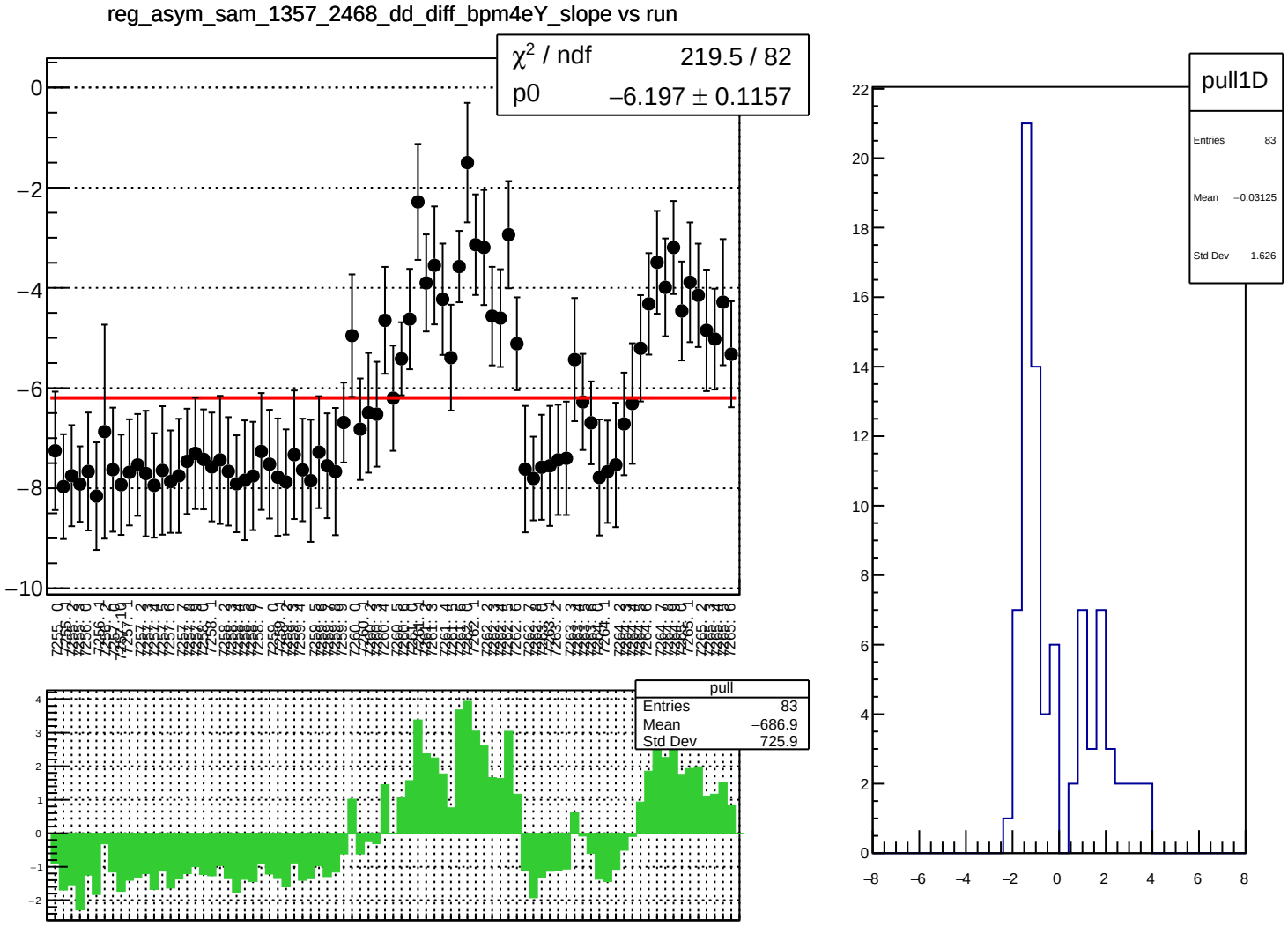

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 259.1 / 82
p0 36.06 ± 0.4678
pull
Entries 83
Mean −1184
Std Dev 1223
pull1D
Entries 83
Mean 0.01974
Std Dev 1.767

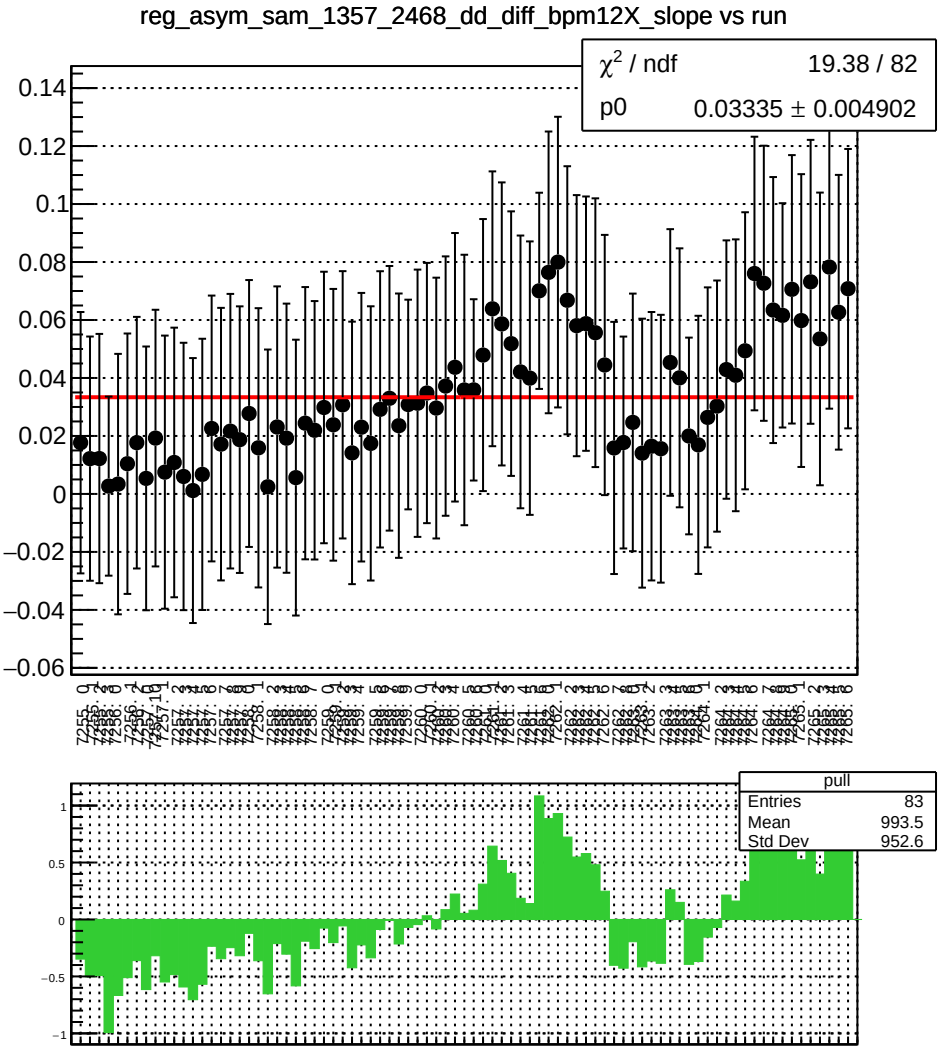

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 27.56 / 82
p0 0.06134 ± 0.01978
pull
Entries 83
Mean 854.6
Std Dev 814.4
pull1D
Entries 83
Mean −0.01246
Std Dev 0.5761

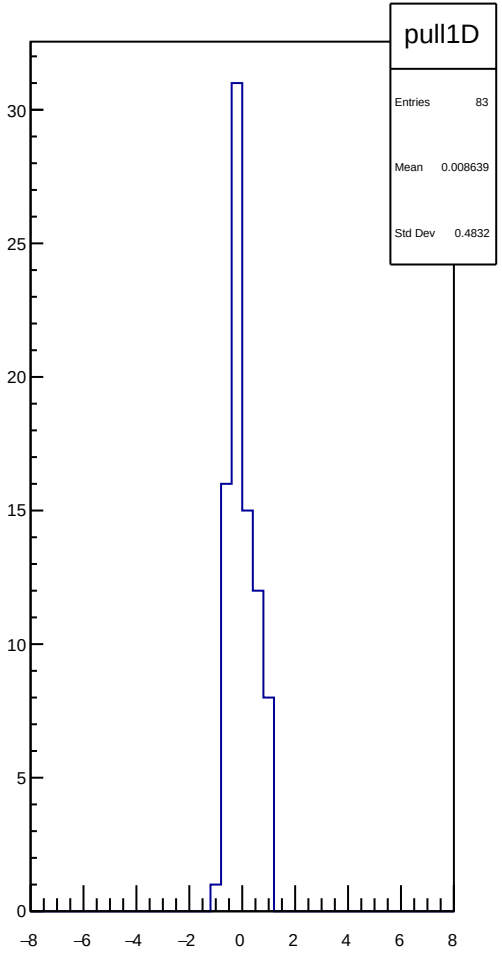

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 710 / 82
p0 6.436 ± 0.1244
pull
Entries 83
Mean −98.33
Std Dev 134.7
pull1D
Entries 83
Mean −0.3004
Std Dev 2.909

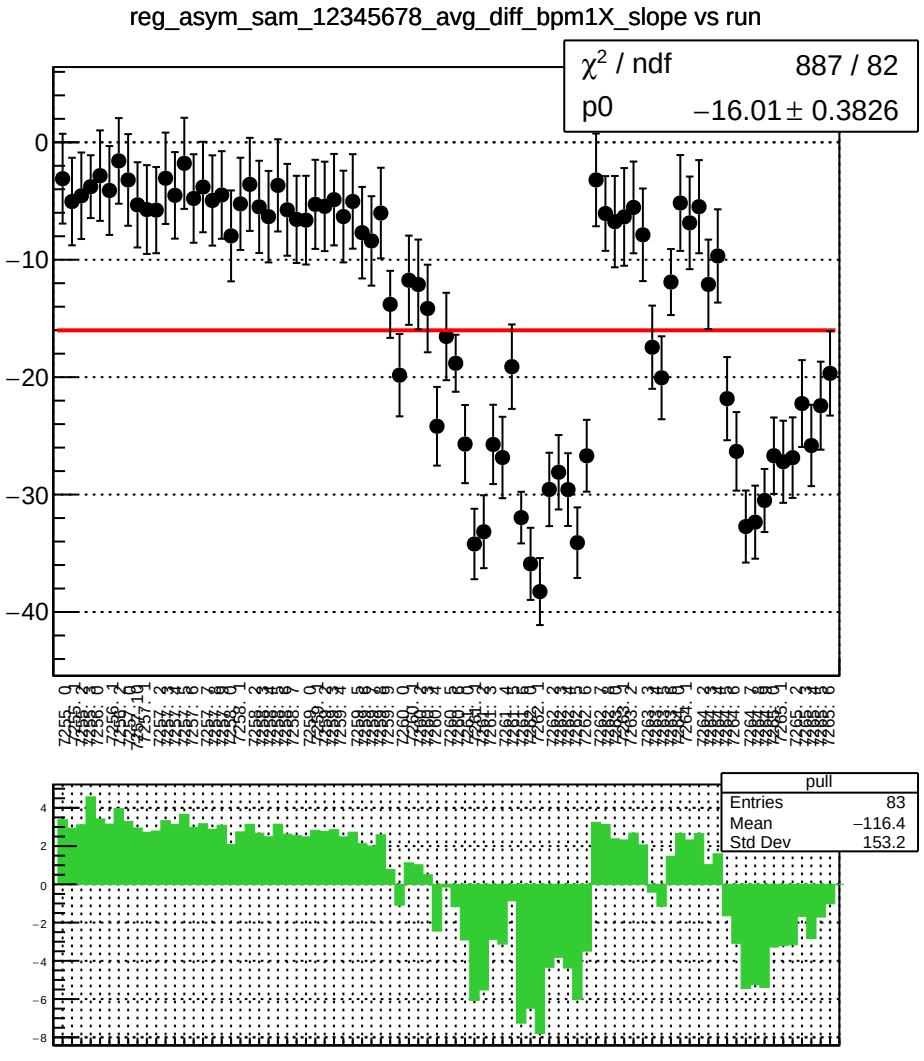

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 246.7 / 82
p0 −0.3513 ± 0.1098
pull
Entries 83
Mean −1099
Std Dev 1138
pull1D
Entries 83
Mean 0.02132
Std Dev 1.724

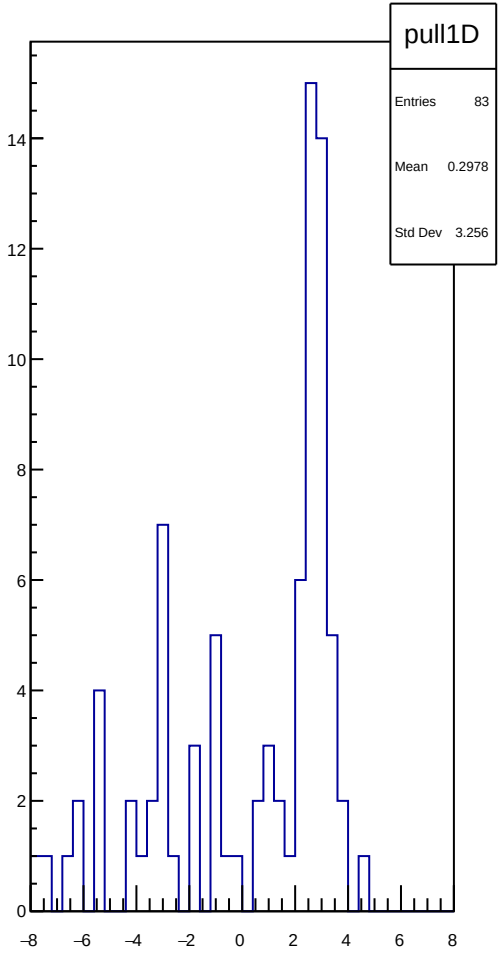

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 615.8 / 82
p0 9.861 ± 0.135
pull
Entries 83
Mean −90.9
Std Dev 127.2
pull1D
Entries 83
Mean 0.2959
Std Dev 2.708

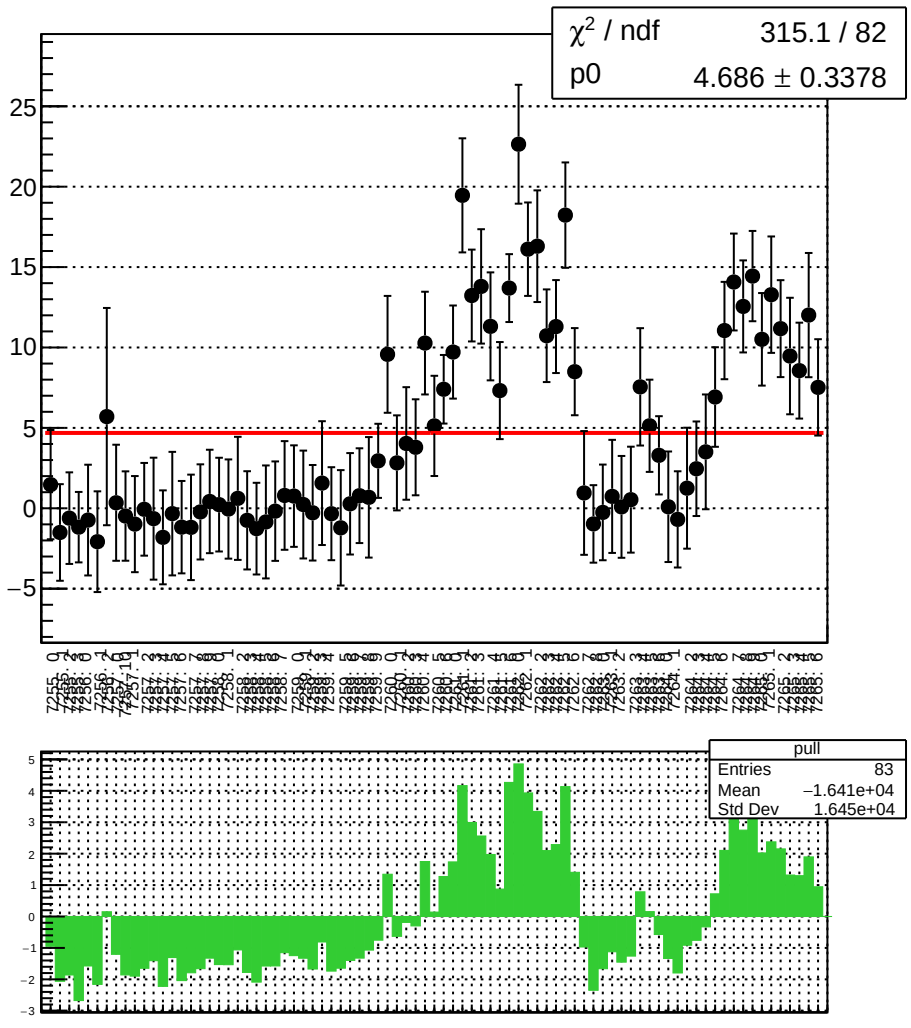

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 219.5 / 82
p0 −6.197 ± 0.1157
pull
Entries 83
Mean −686.9
Std Dev 725.9
pull1D
Entries 83
Mean −0.03125
Std Dev 1.626

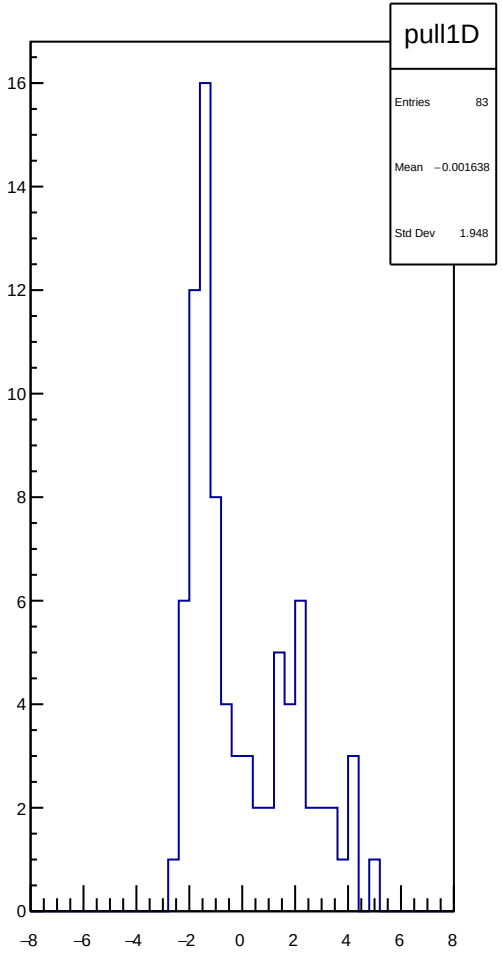

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 19.38 / 82
p0 0.03335 ± 0.004902
pull
Entries 83
Mean 993.5
Std Dev 952.6

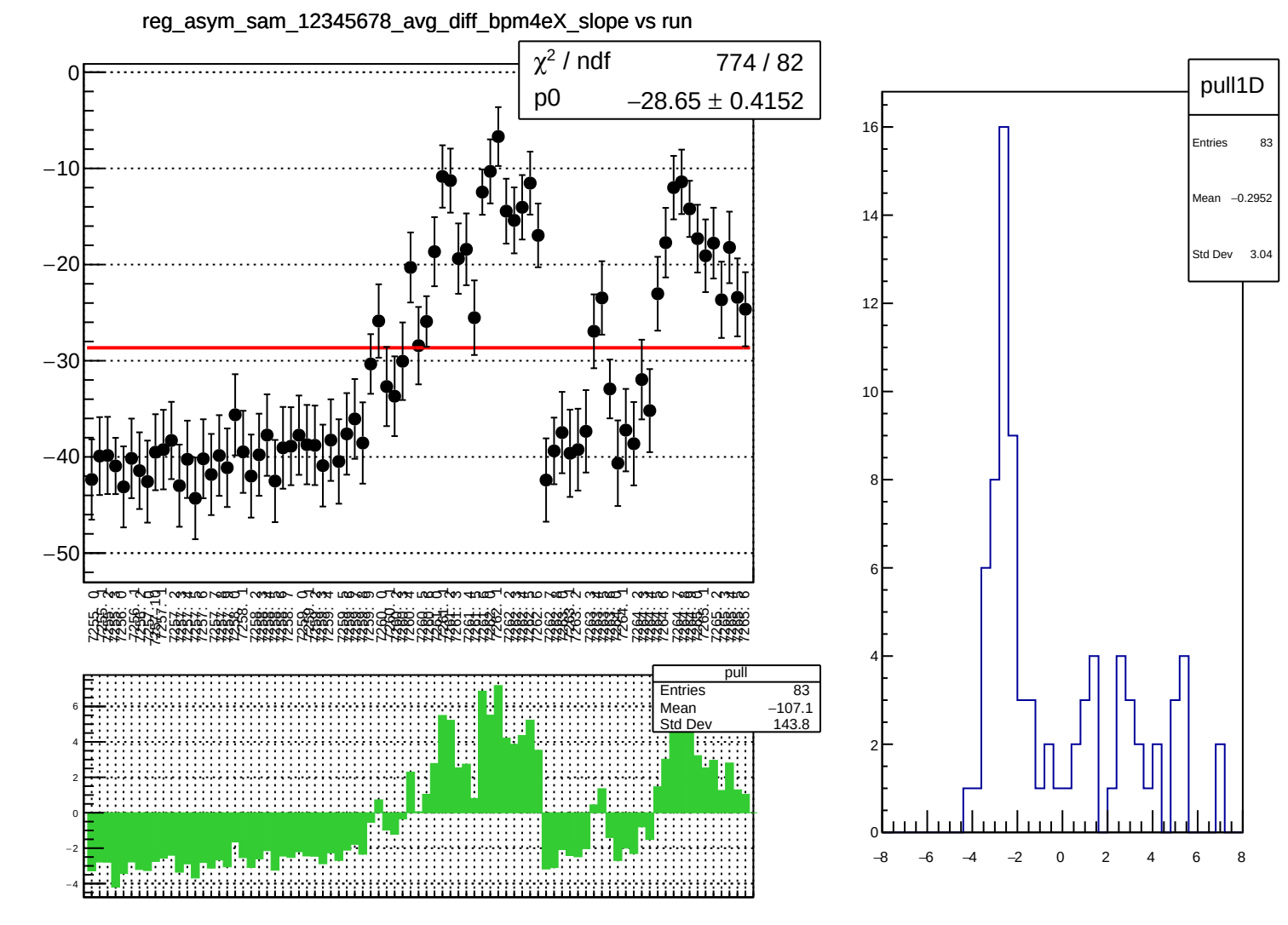

pull1D
Entries 83
Mean 0.008639
Std Dev 0.4832

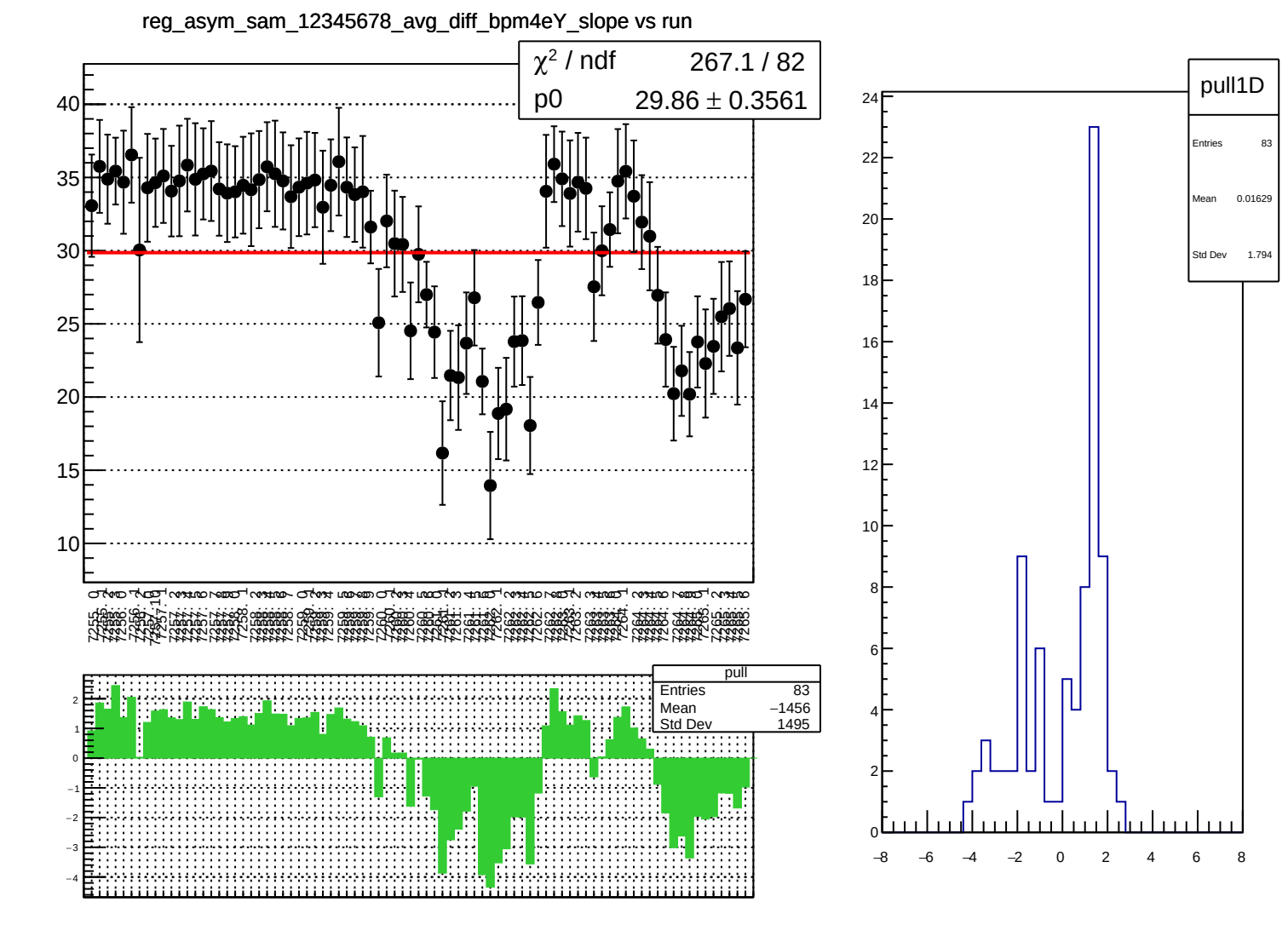

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 887 / 82
p0 −16.01 ± 0.3826
pull
Entries 83
Mean −116.4
Std Dev 153.2

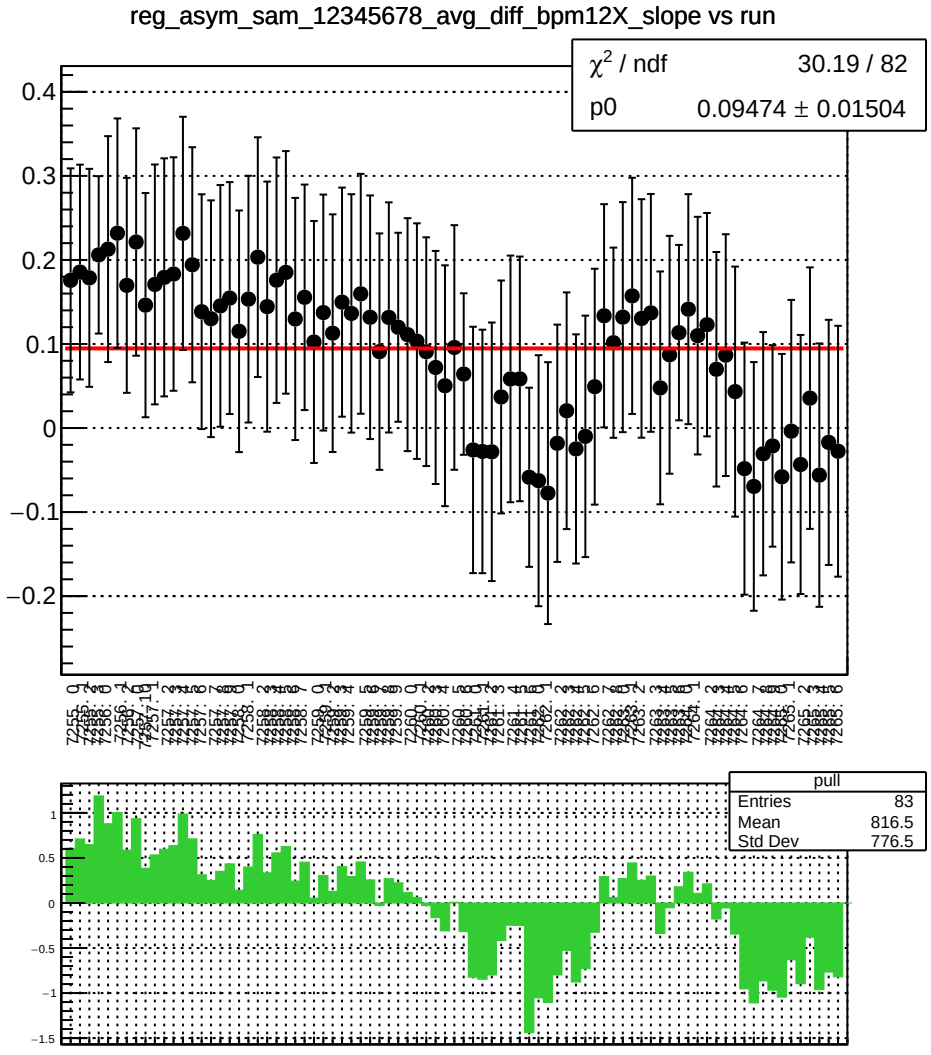

pull1D
Entries 83
Mean 0.2978
Std Dev 3.256

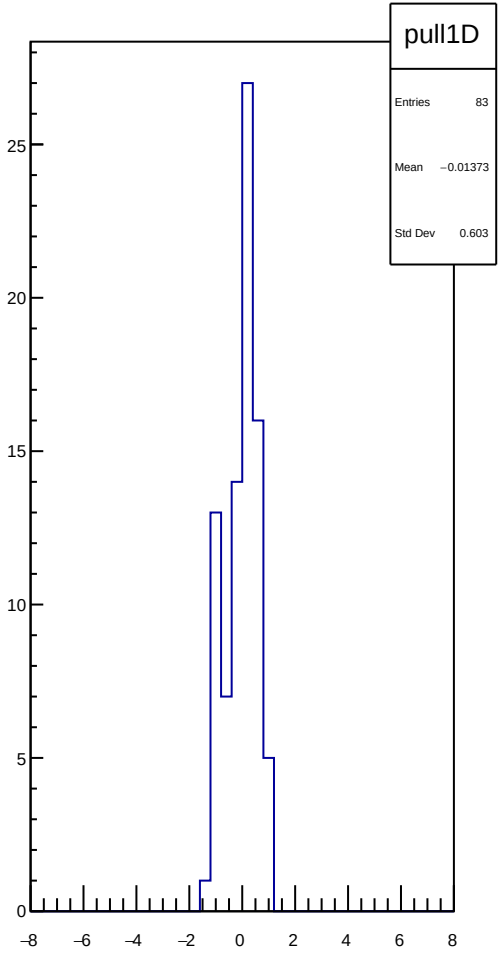

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 315.1 / 82
p0 4.686 ± 0.3378
pull
Entries 83
Mean −1.641e+04
Std Dev 1.645e+04

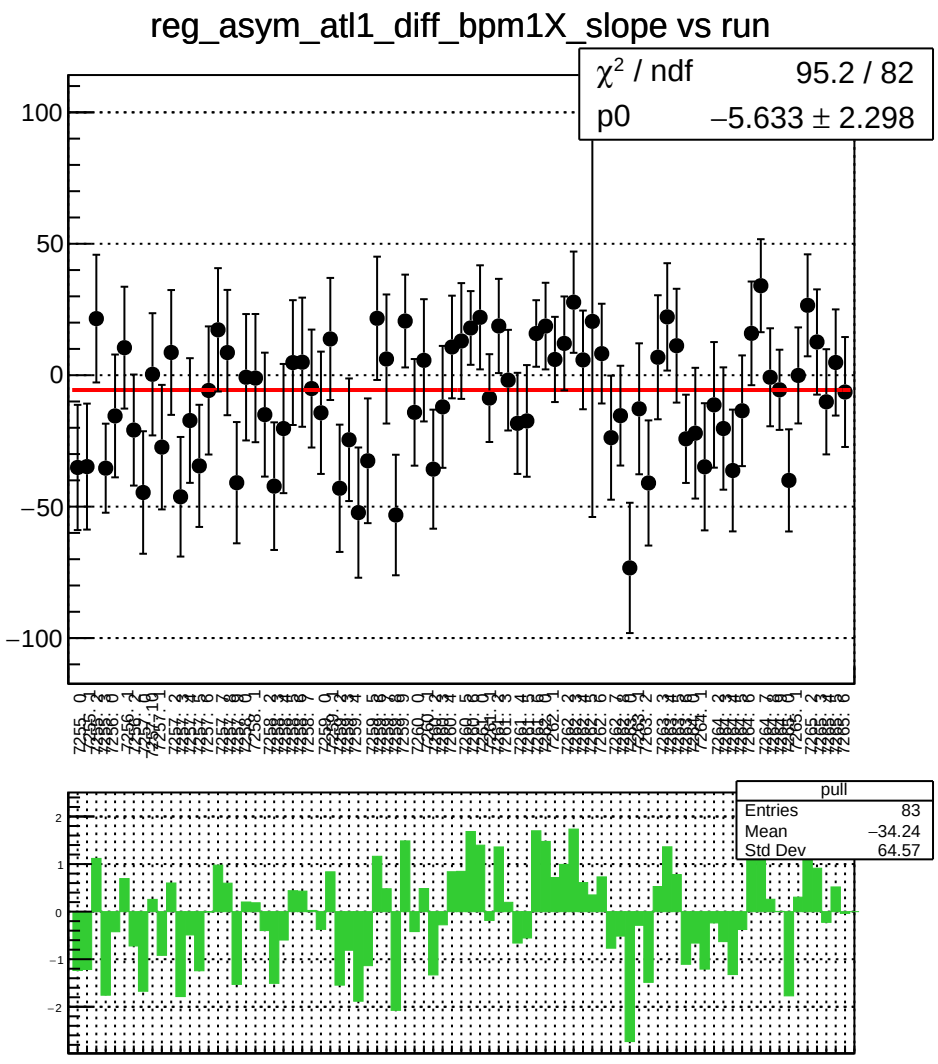

pull1D
Entries 83
Mean −0.001638
Std Dev 1.948

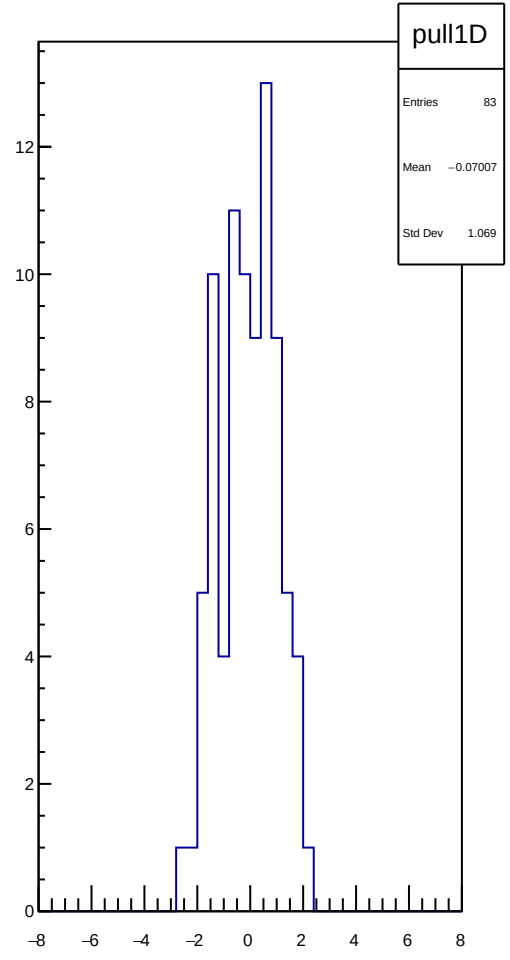

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 774 / 82
p0 −28.65 ± 0.4152
pull
Entries 83
Mean −107.1
Std Dev 143.8
pull1D
Entries 83
Mean −0.2952
Std Dev 3.04

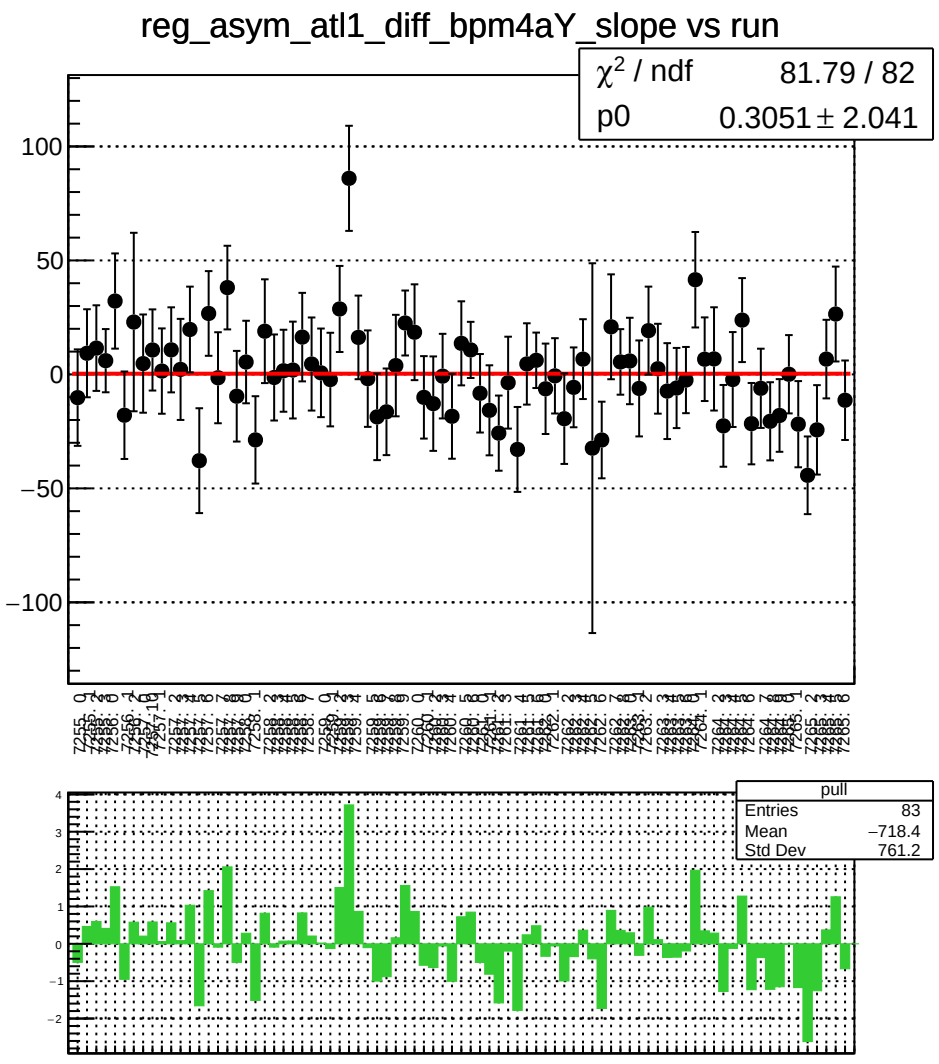

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 267.1 / 82
p0 29.86 ± 0.3561
pull
Entries 83
Mean −1456
Std Dev 1495
pull1D
Entries 83
Mean 0.01629
Std Dev 1.794

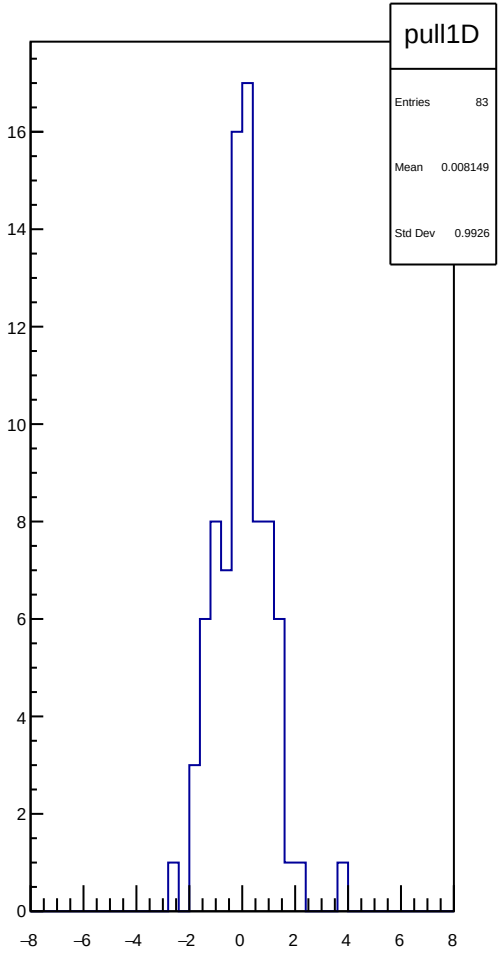

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 30.19 / 82
p0 0.09474 ± 0.01504
pull
Entries 83
Mean 816.5
Std Dev 776.5

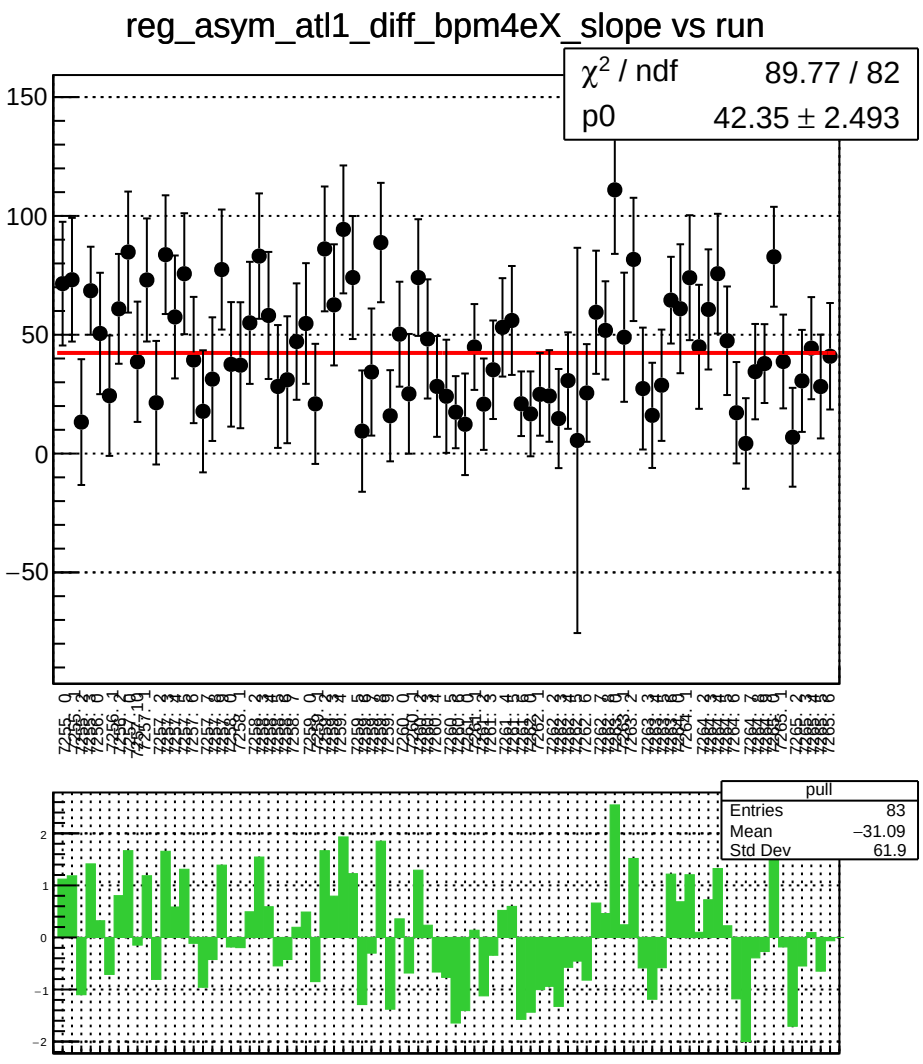

pull1D
Entries 83
Mean −0.01373
Std Dev 0.603

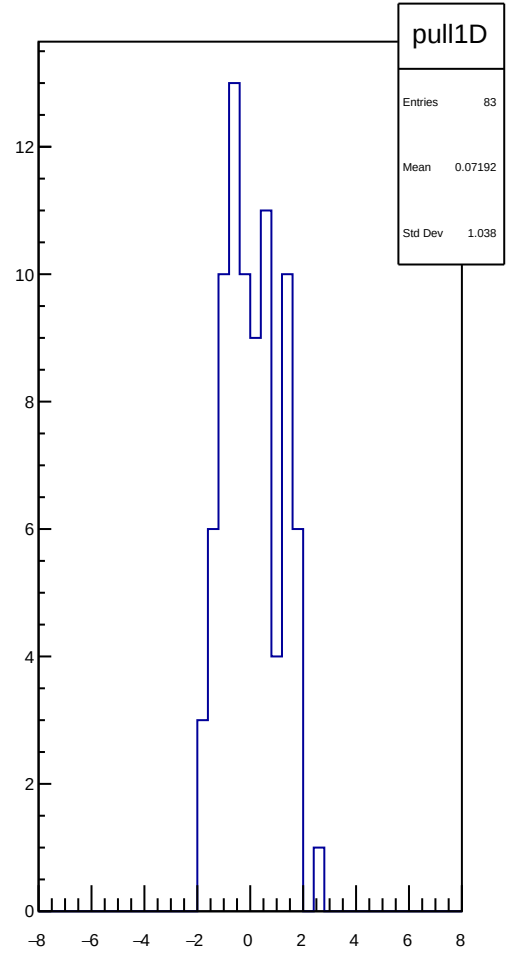

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 95.2 / 82
p0 −5.633 ± 2.298
100
50
0
−50
−100
pull
Entries 83
Mean −34.24
Std Dev 64.57
2
1
0
−1
−2

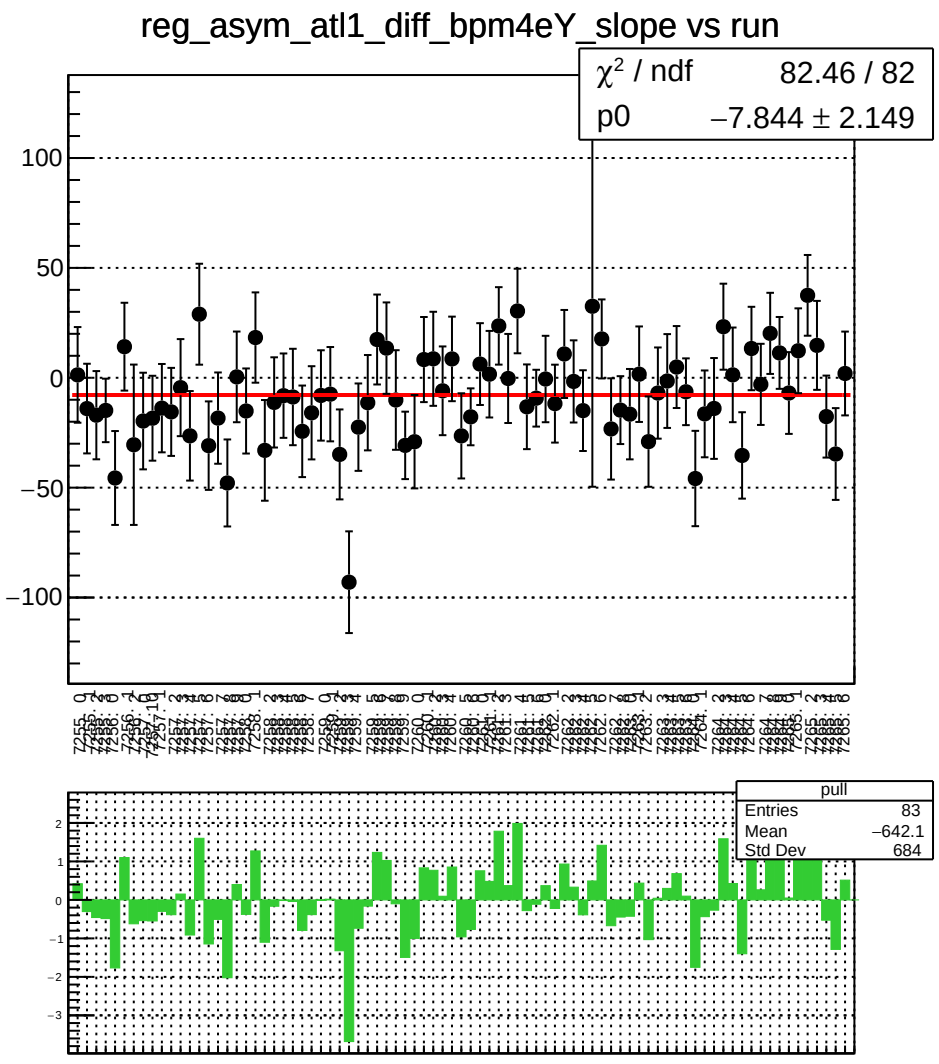

pull1D
Entries 83
Mean −0.07007
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

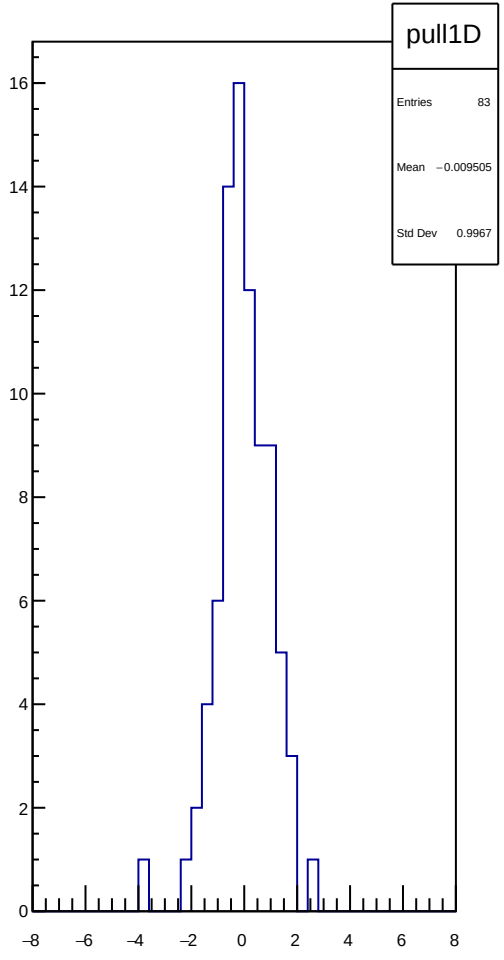

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 81.79 / 82
p0 0.3051 ± 2.041
pull
Entries 83
Mean −718.4
Std Dev 761.2

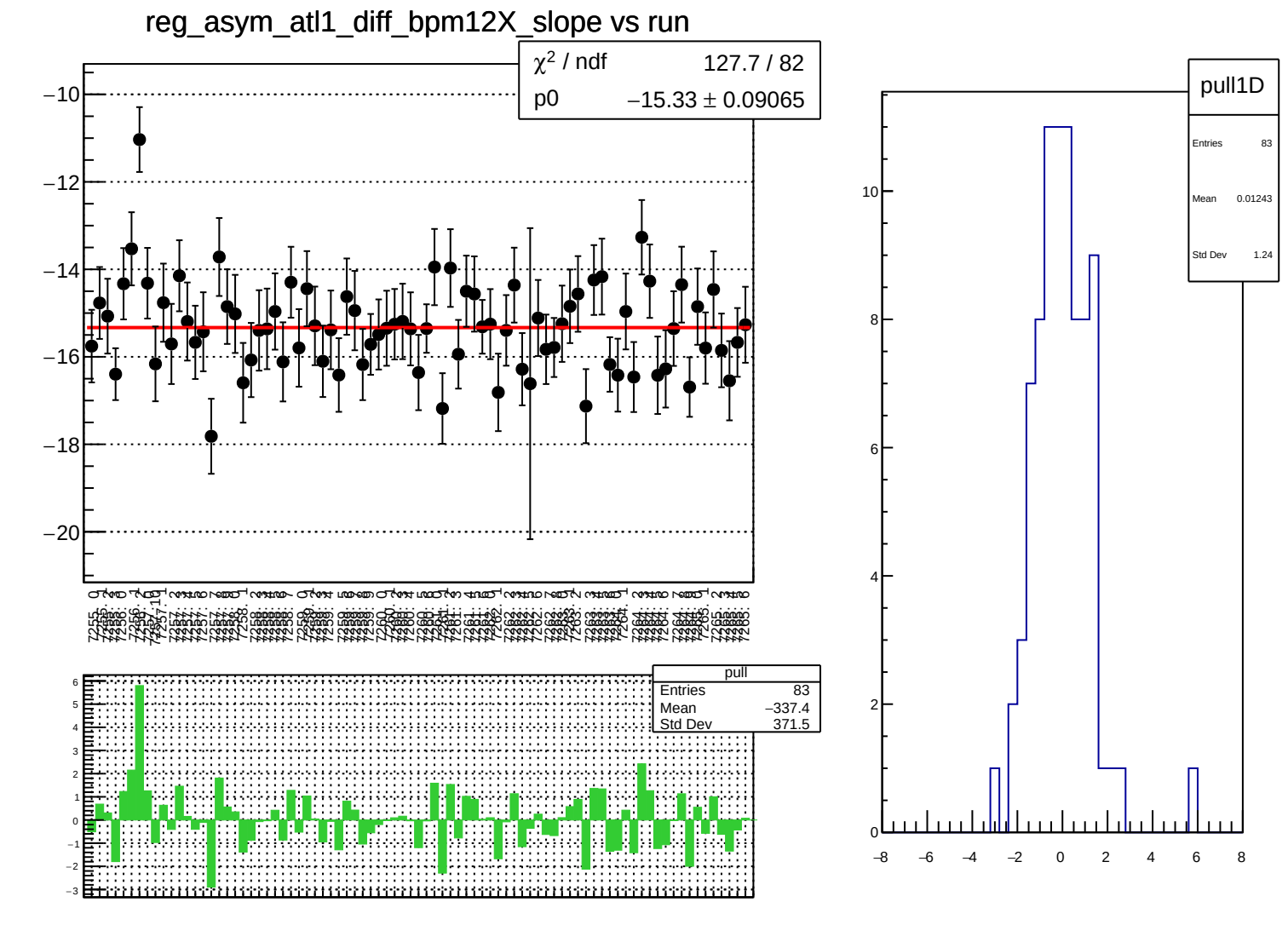

pull1D
Entries 83
Mean 0.008149
Std Dev 0.9926

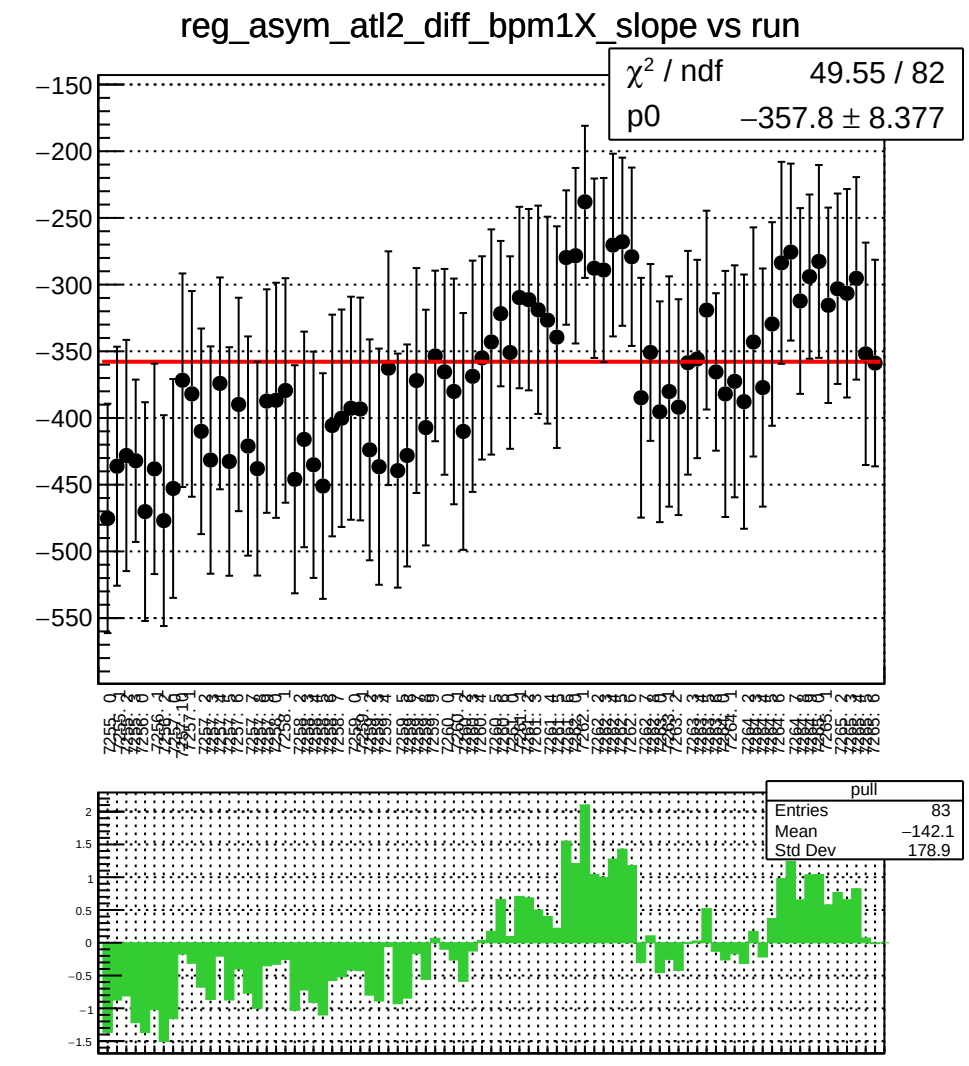

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 89.77 / 82
p0 42.35 ± 2.493
150
100
50
0
−50
pull
Entries 83
Mean −31.09
Std Dev 61.9
2
1
0
−1
−2

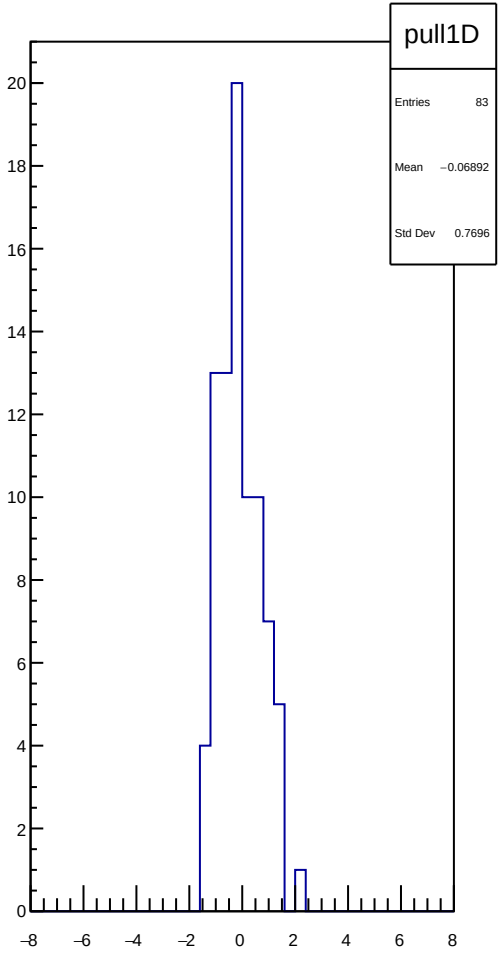

pull1D
Entries 83
Mean 0.07192
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

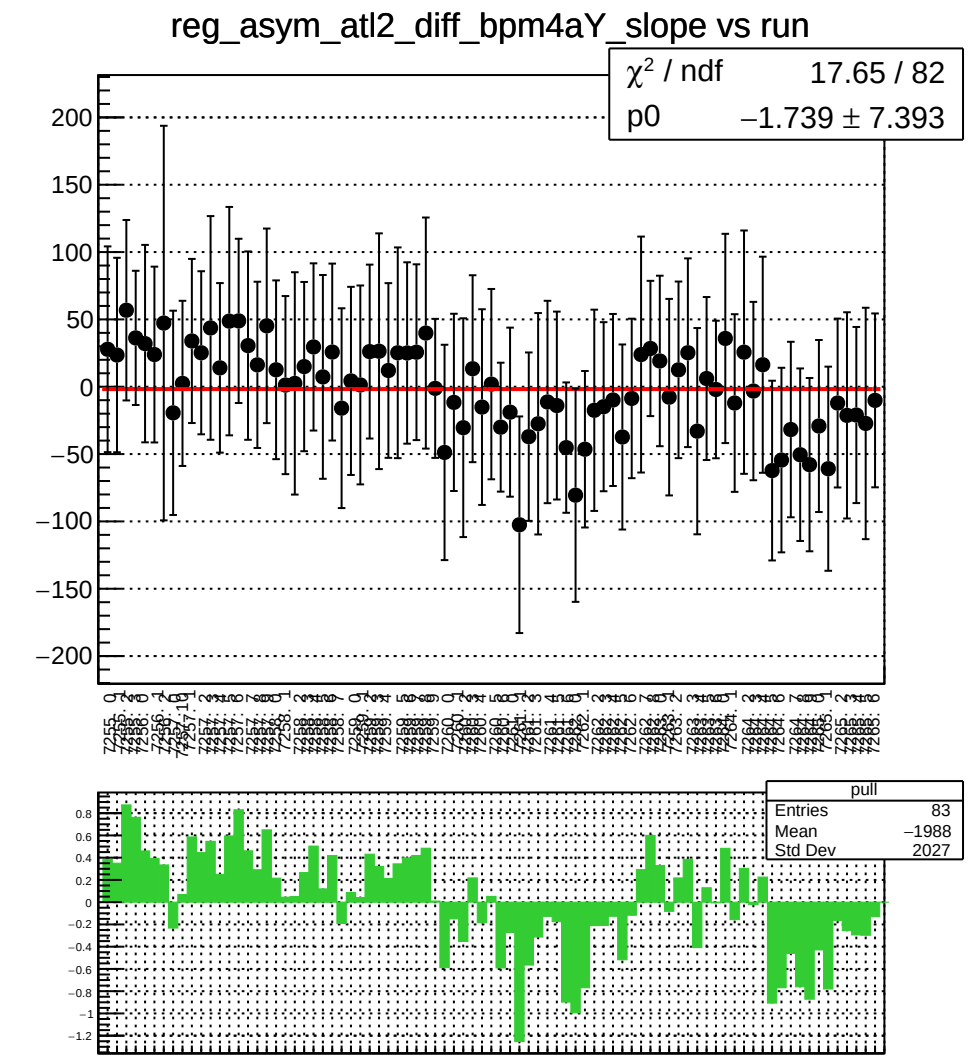

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 82.46 / 82
p0 −7.844 ± 2.149
100
50
0
−50
−100
pull
Entries 83
Mean −642.1
Std Dev 684
2
1
0
−1
−2
−3

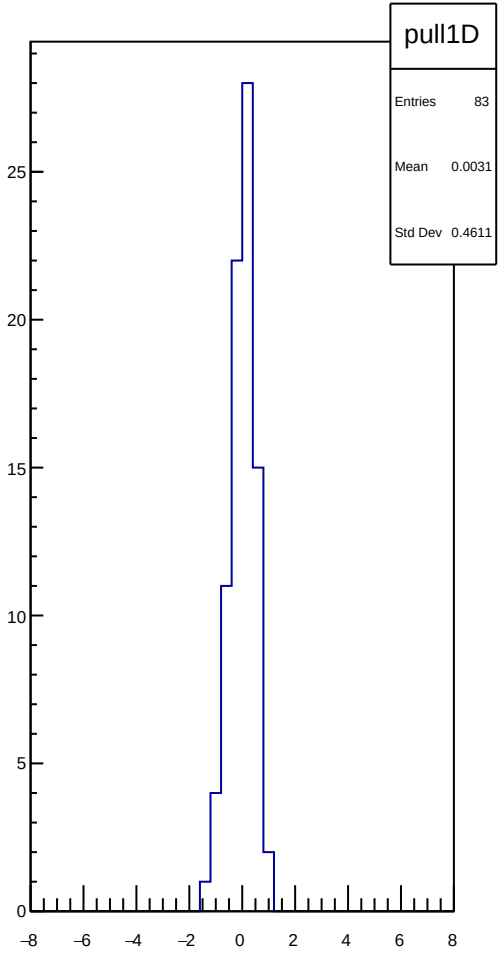

pull1D
Entries 83
Mean −0.009505
Std Dev 0.9967
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

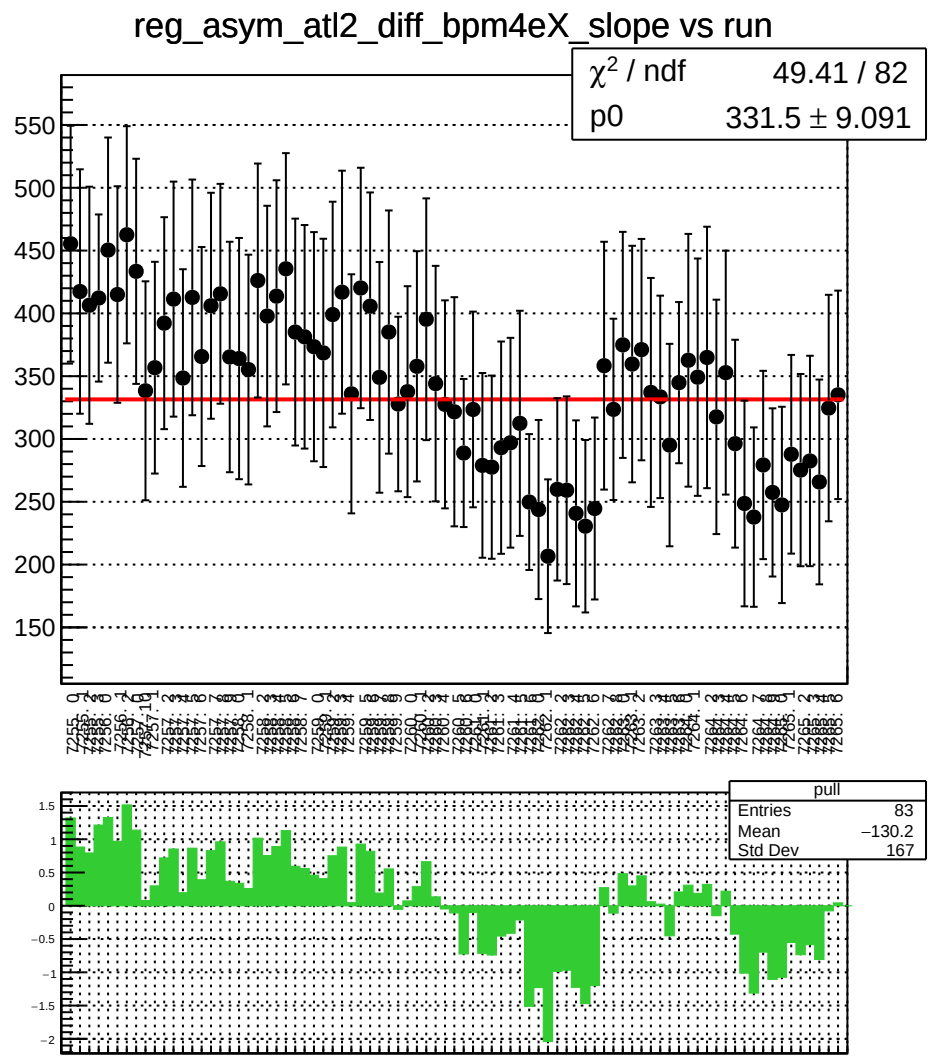

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 127.7 / 82
p0 −15.33 ± 0.09065
pull
Entries 83
Mean −337.4
Std Dev 371.5
pull1D
Entries 83
Mean 0.01243
Std Dev 1.24

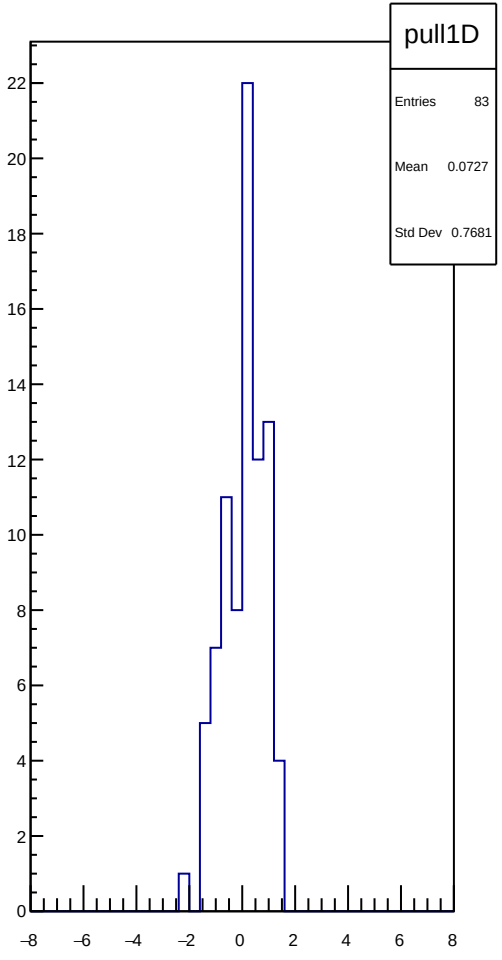

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 49.55 / 82
p0 −357.8 ± 8.377
pull
Entries 83
Mean −142.1
Std Dev 178.9

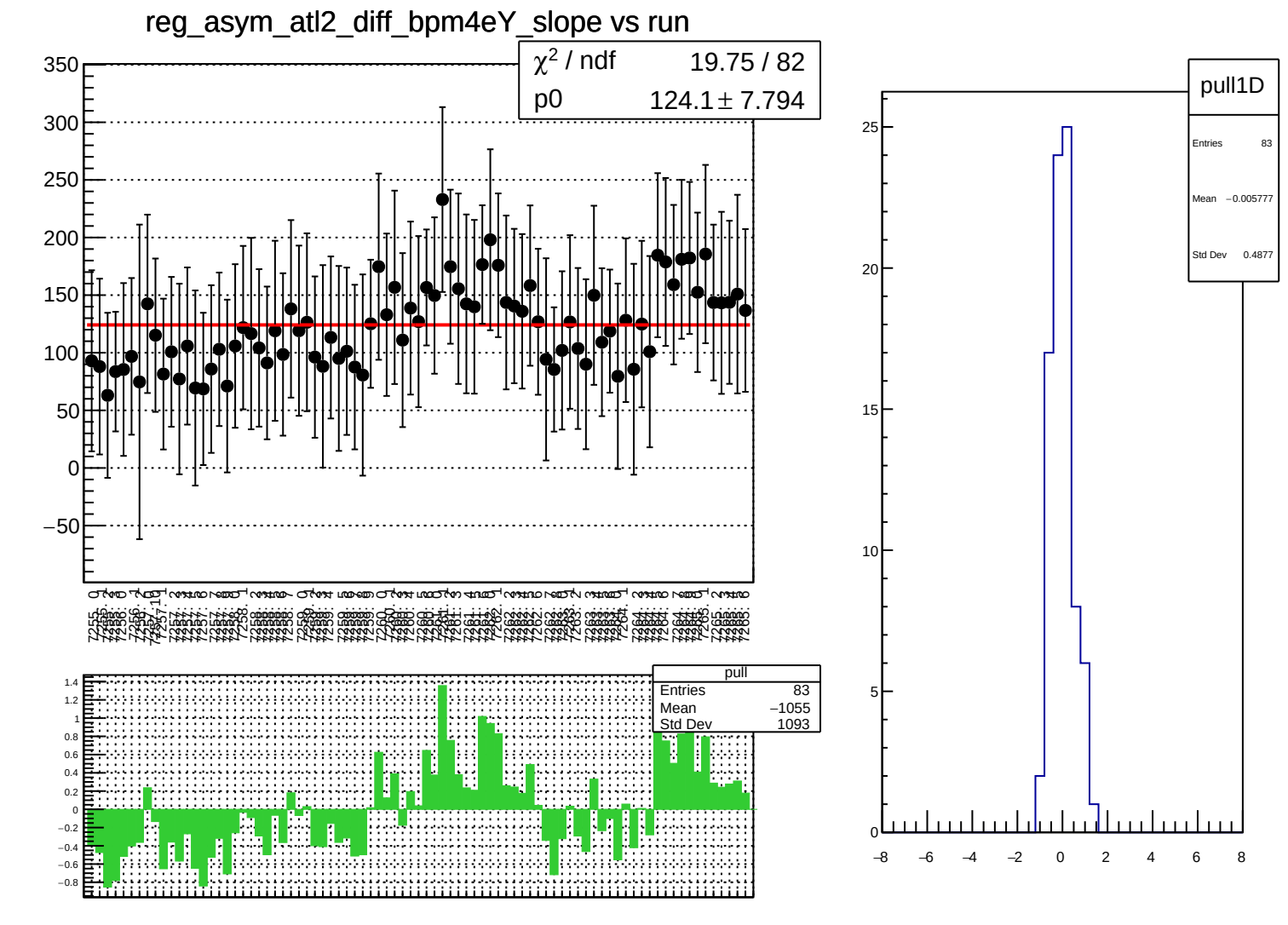

pull1D
Entries 83
Mean −0.06892
Std Dev 0.7696

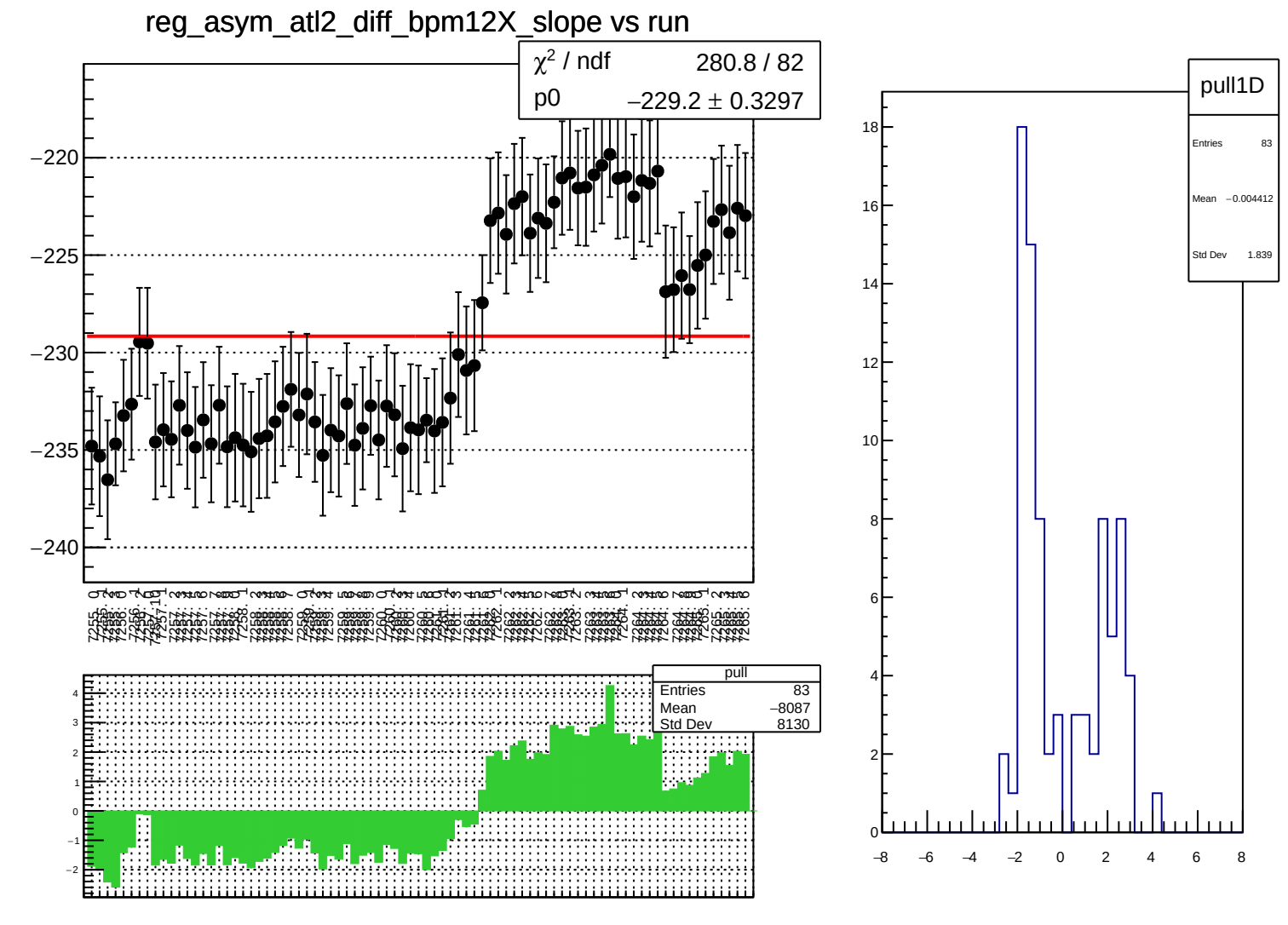

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 17.65 / 82
p0 −1.739 ± 7.393
pull
Entries 83
Mean −1988
Std Dev 2027

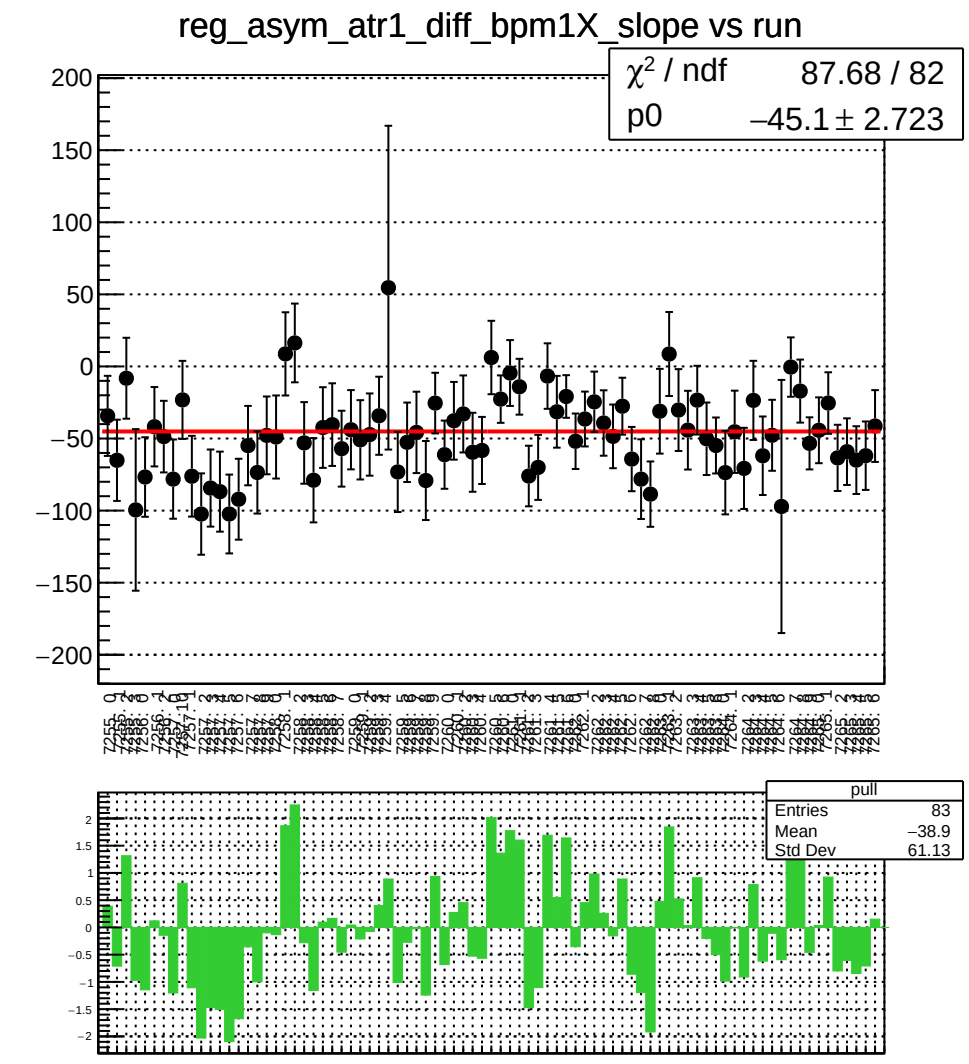

pull1D
Entries 83
Mean 0.0031
Std Dev 0.4611

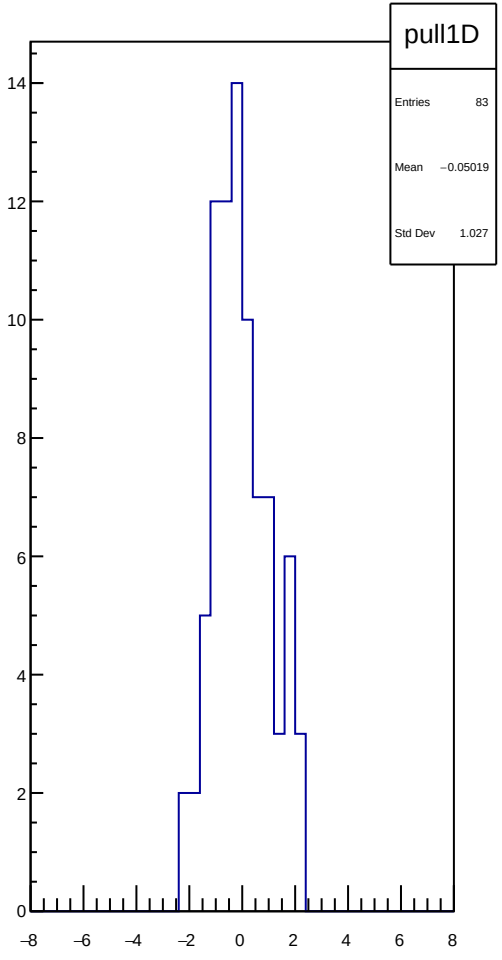

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 49.41 / 82
p0 331.5 ± 9.091
pull
Entries 83
Mean −130.2
Std Dev 167

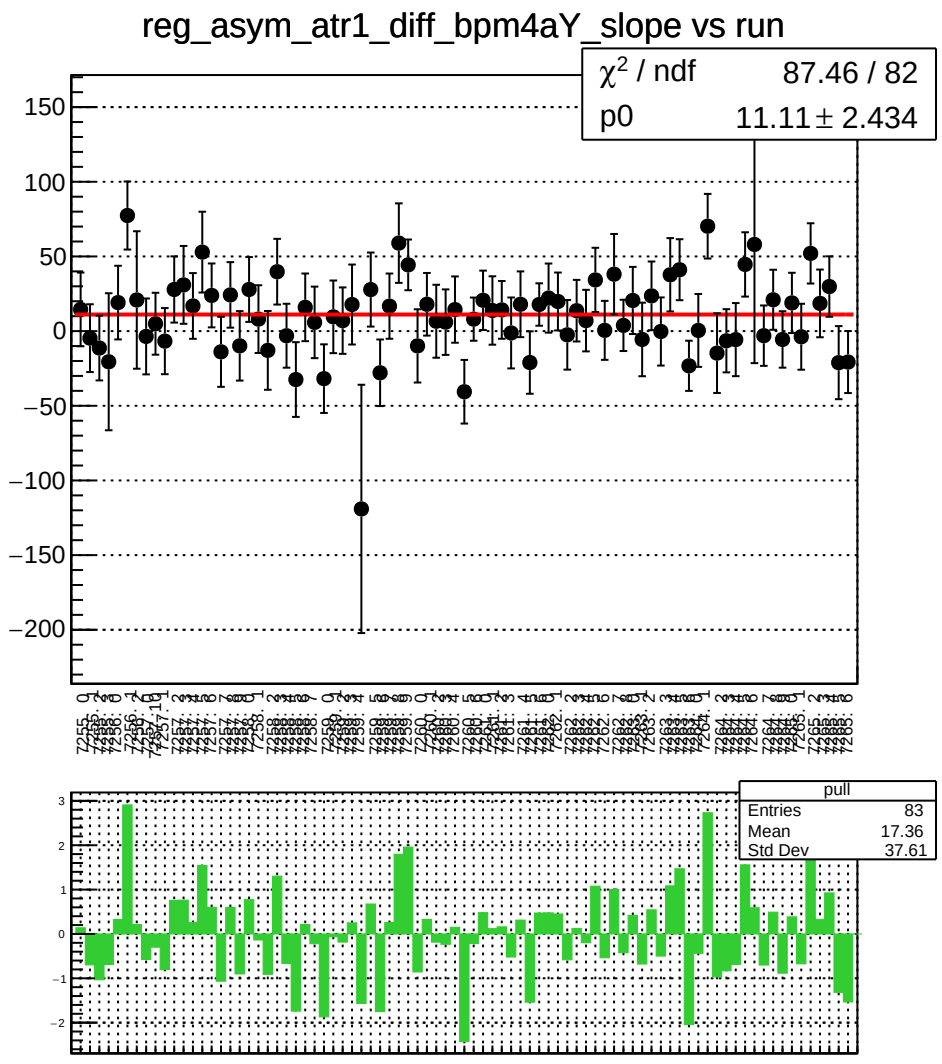

pull1D
Entries 83
Mean 0.0727
Std Dev 0.7681

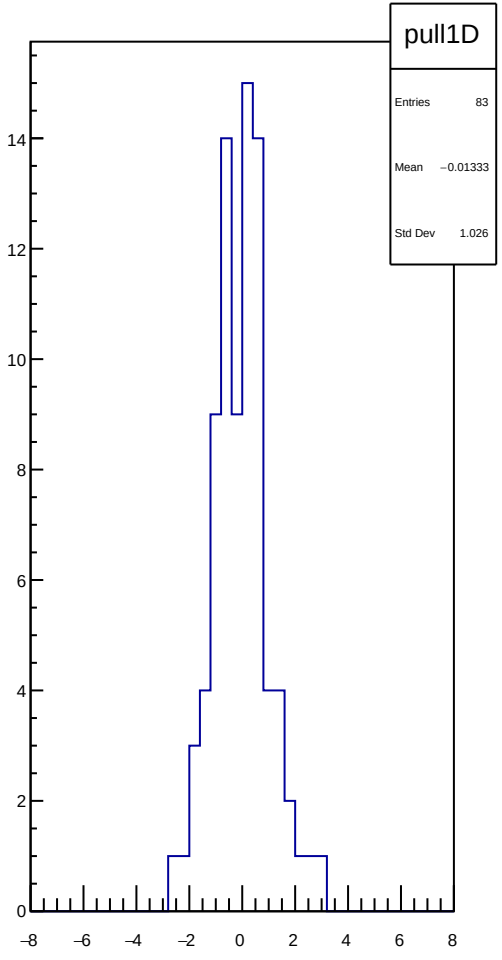

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 19.75 / 82
p0 124.1 ± 7.794
pull
Entries 83
Mean −1055
Std Dev 1093
pull1D
Entries 83
Mean −0.005777
Std Dev 0.4877

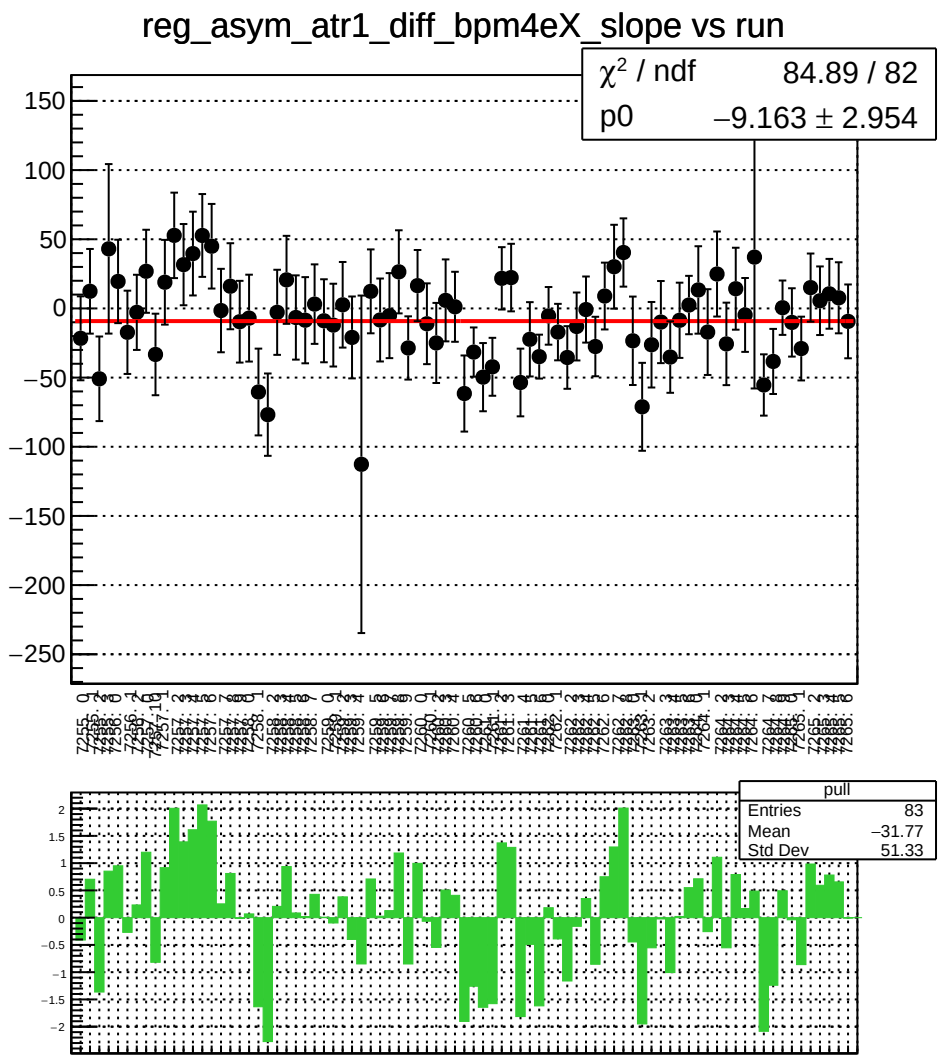

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 280.8 / 82
p0 −229.2 ± 0.3297
−220
−225
−230
−235
−240
pull
Entries 83
Mean −8087
Std Dev 8130
4
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.004412
Std Dev 1.839
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

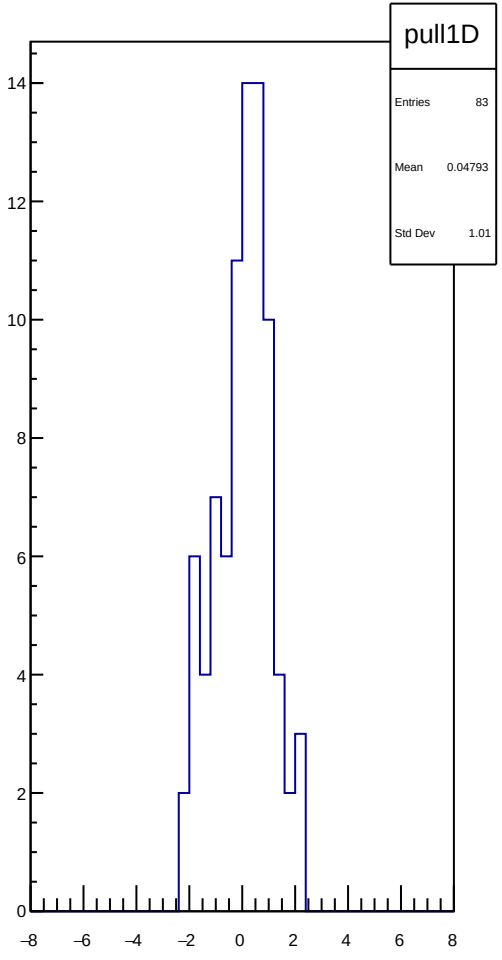

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 87.68 / 82
p0 −45.1 ± 2.723
pull
Entries 83
Mean −38.9
Std Dev 61.13

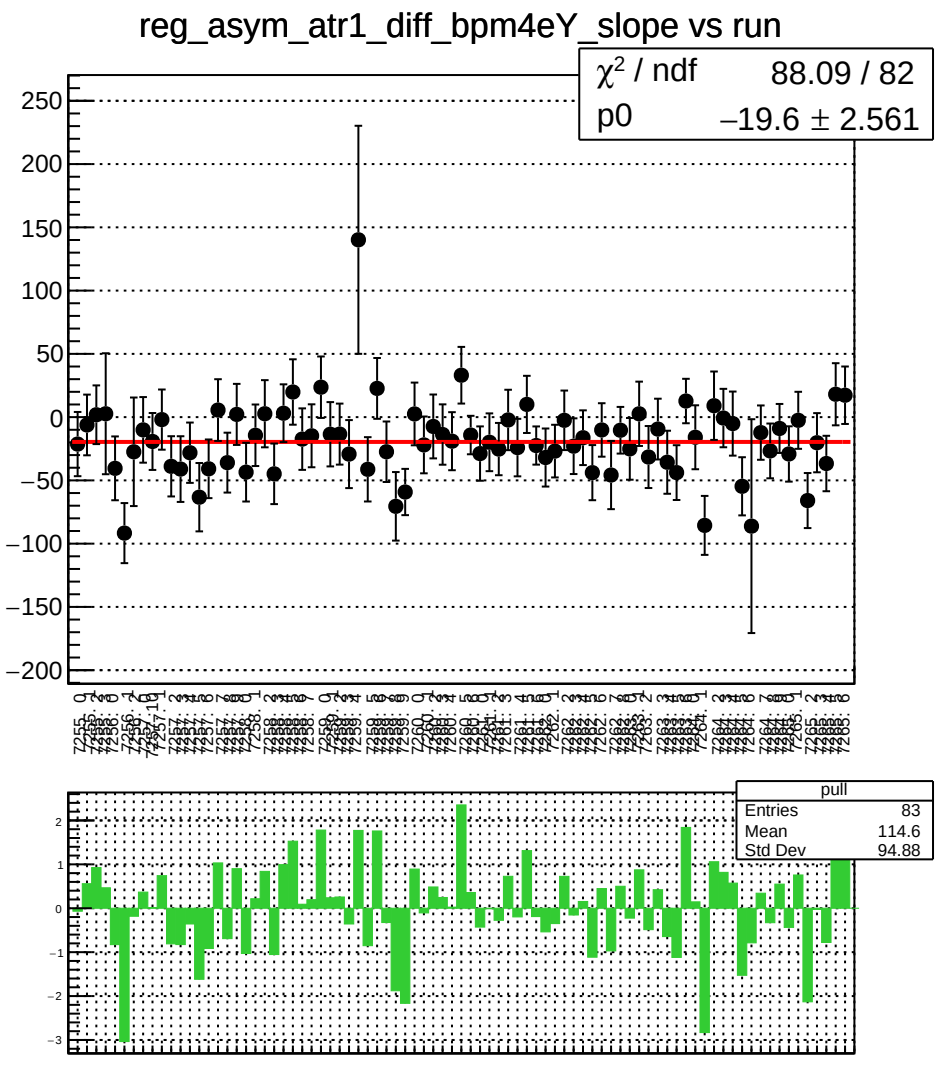

pull1D
Entries 83
Mean −0.05019
Std Dev 1.027

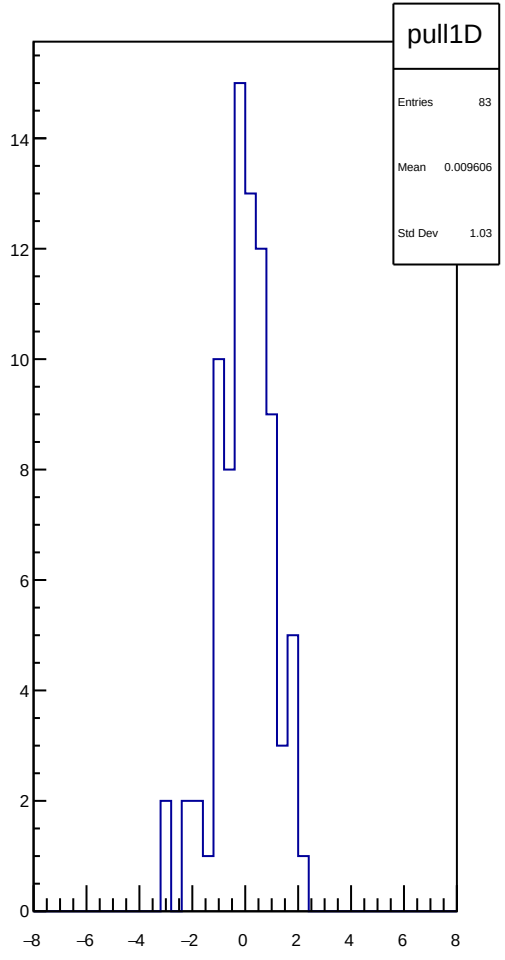

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 87.46 / 82
p0 11.11 ± 2.434
pull
Entries 83
Mean 17.36
Std Dev 37.61

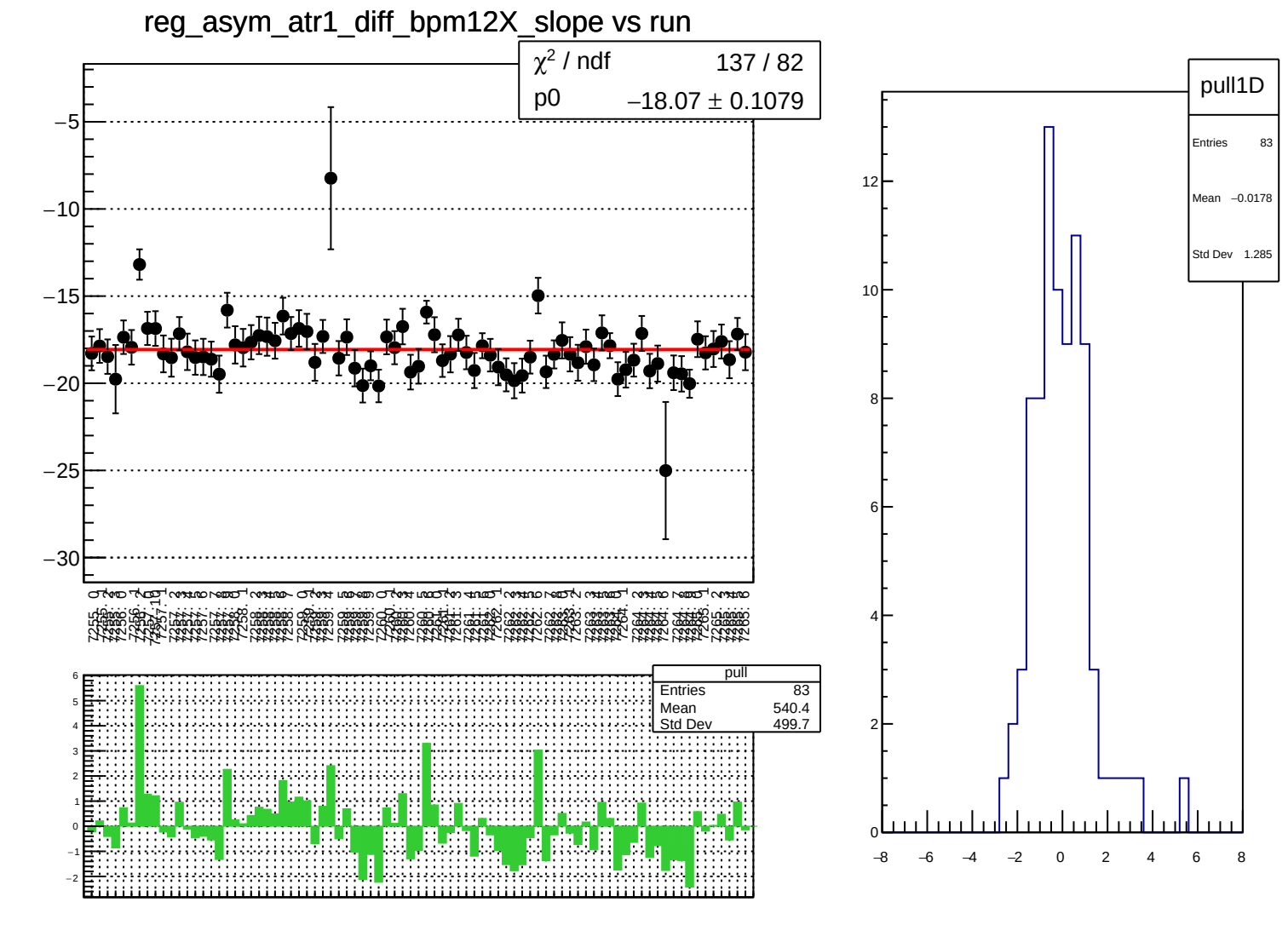

pull1D
Entries 83
Mean −0.01333
Std Dev 1.026

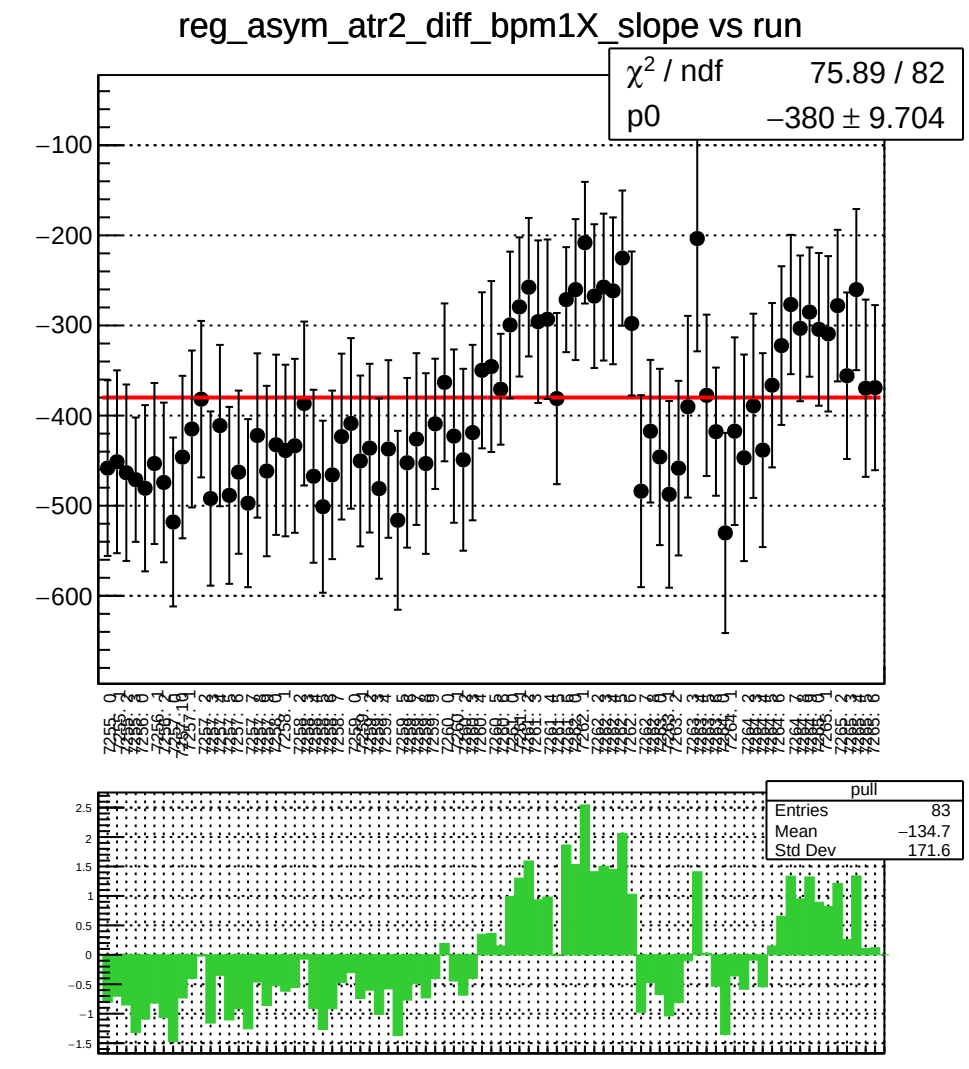

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 84.89 / 82
p0 −9.163 ± 2.954
pull
Entries 83
Mean −31.77
Std Dev 51.33

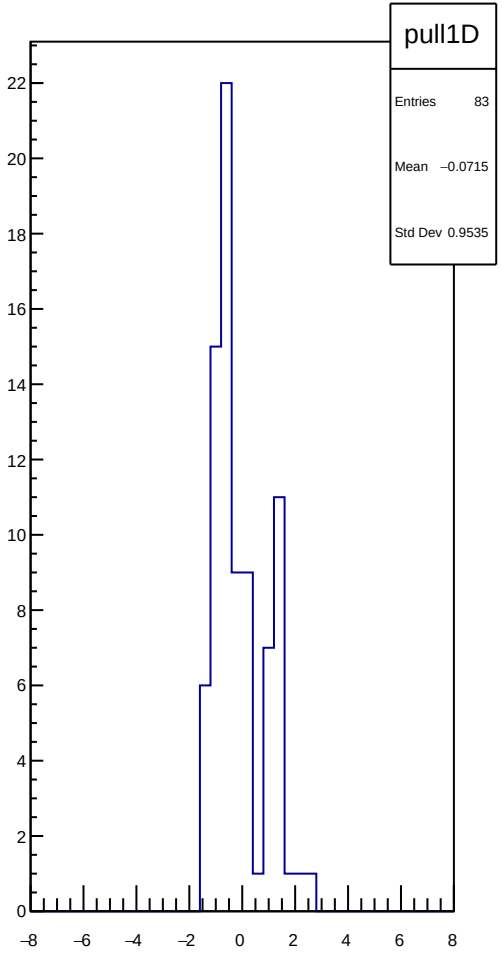

pull1D
Entries 83
Mean 0.04793
Std Dev 1.01

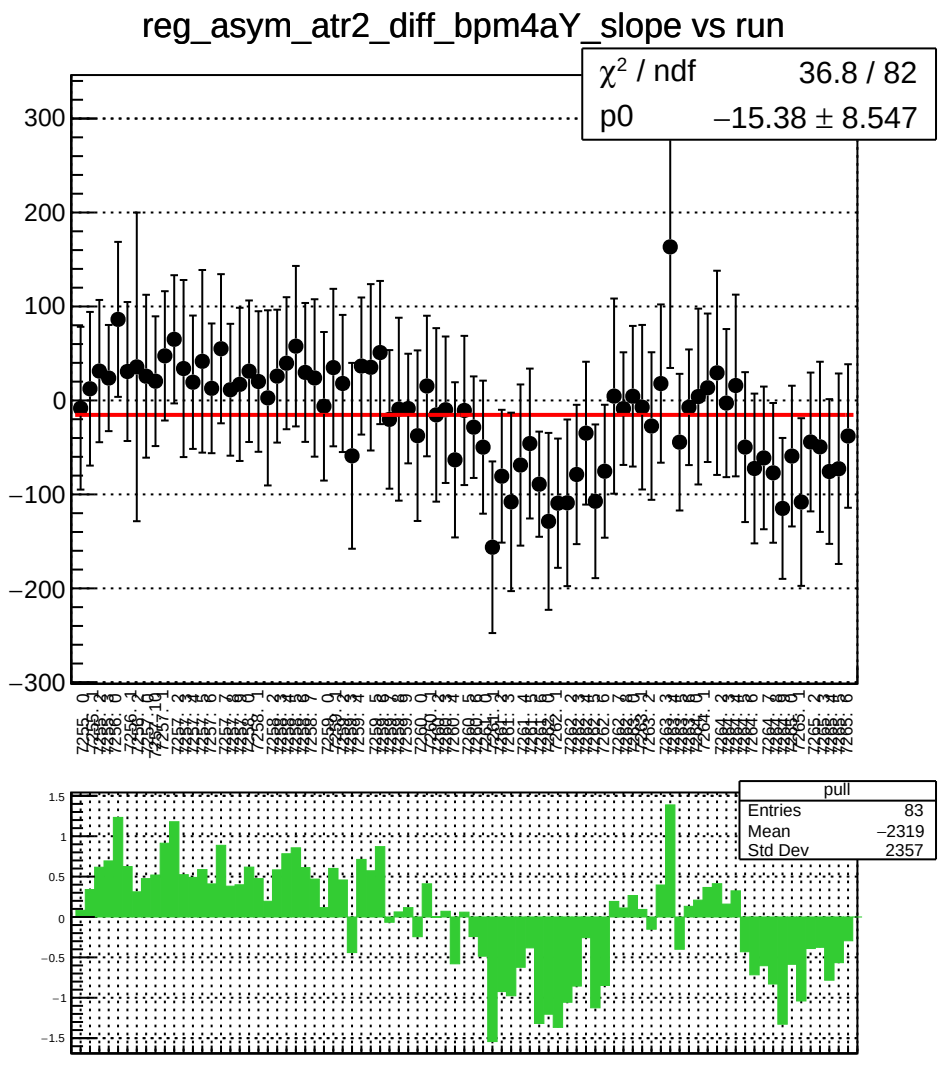

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 88.09 / 82
p0 −19.6 ± 2.561
pull
Entries 83
Mean 114.6
Std Dev 94.88

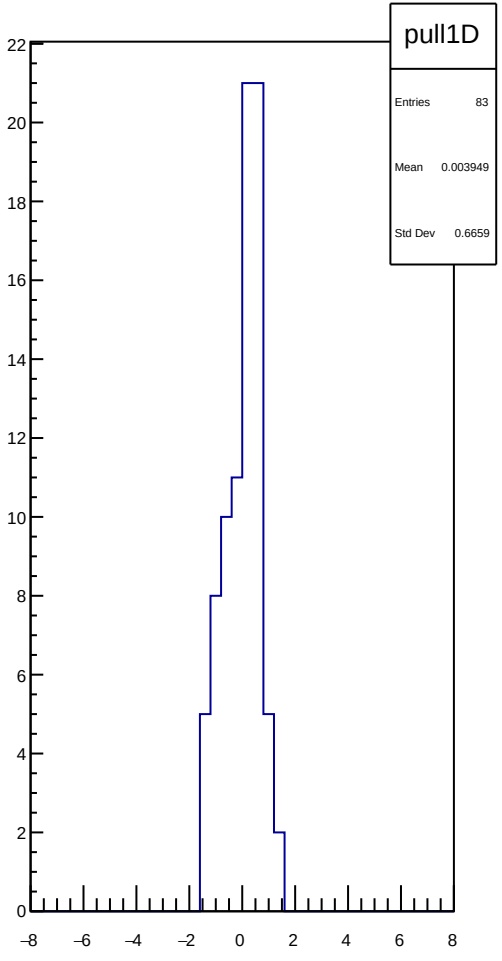

pull1D
Entries 83
Mean 0.009606
Std Dev 1.03

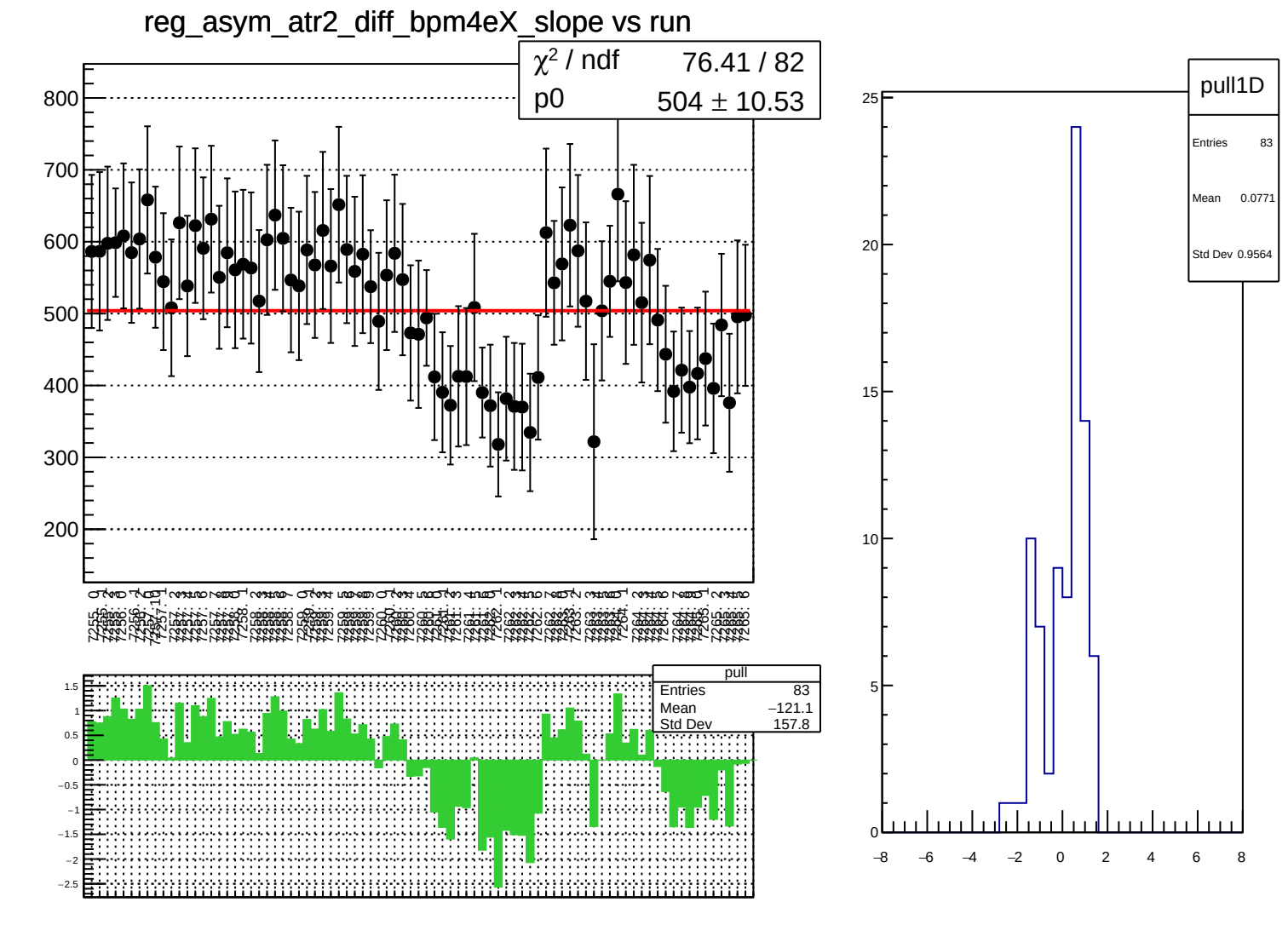

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 137 / 82
p0 −18.07 ± 0.1079
pull
Entries 83
Mean 540.4
Std Dev 499.7
pull1D
Entries 83
Mean −0.0178
Std Dev 1.285

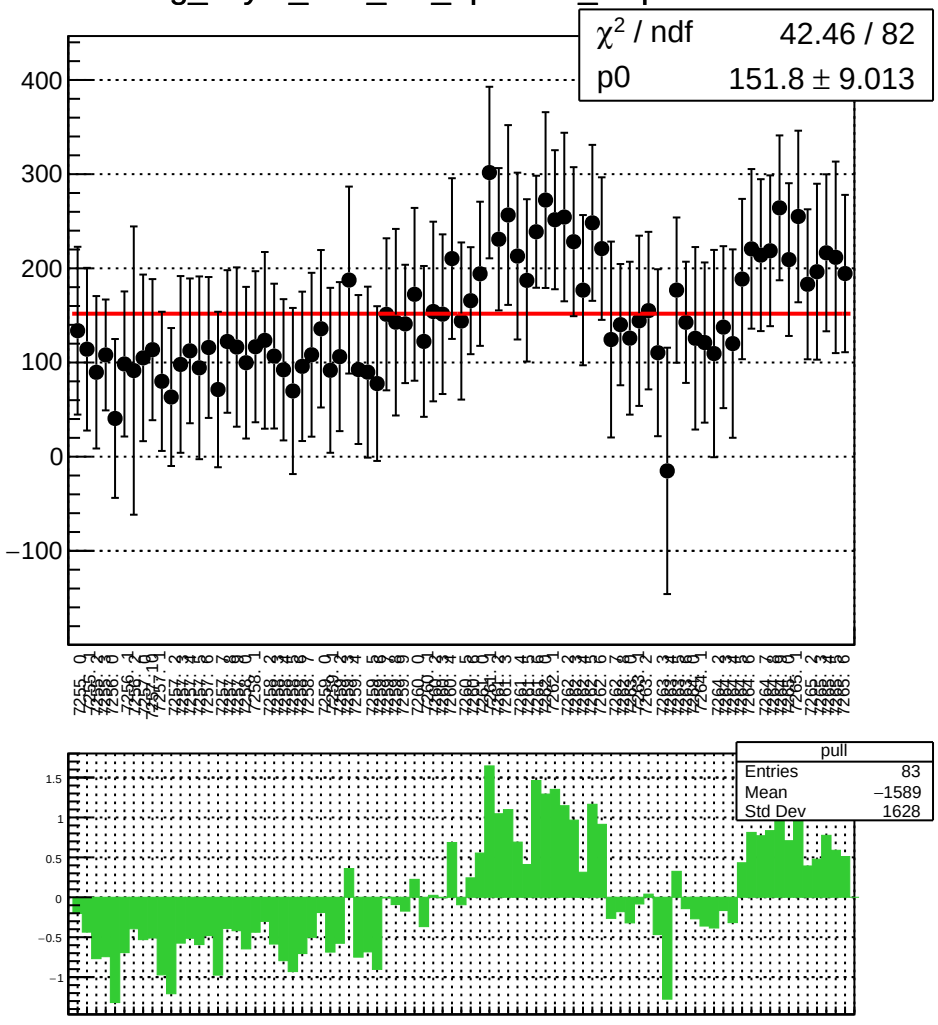

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 75.89 / 82
p0 −380 ± 9.704
pull
Entries 83
Mean −134.7
Std Dev 171.6

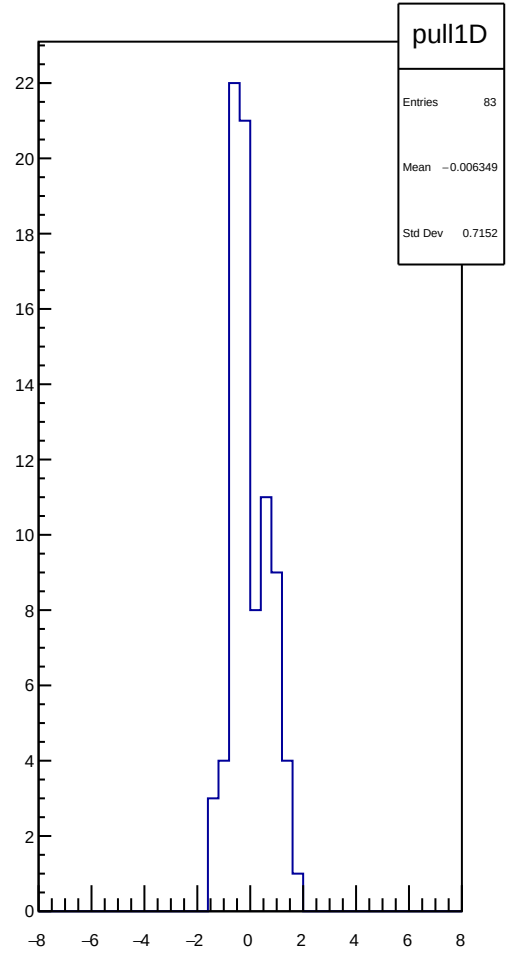

pull1D
Entries 83
Mean −0.0715
Std Dev 0.9535

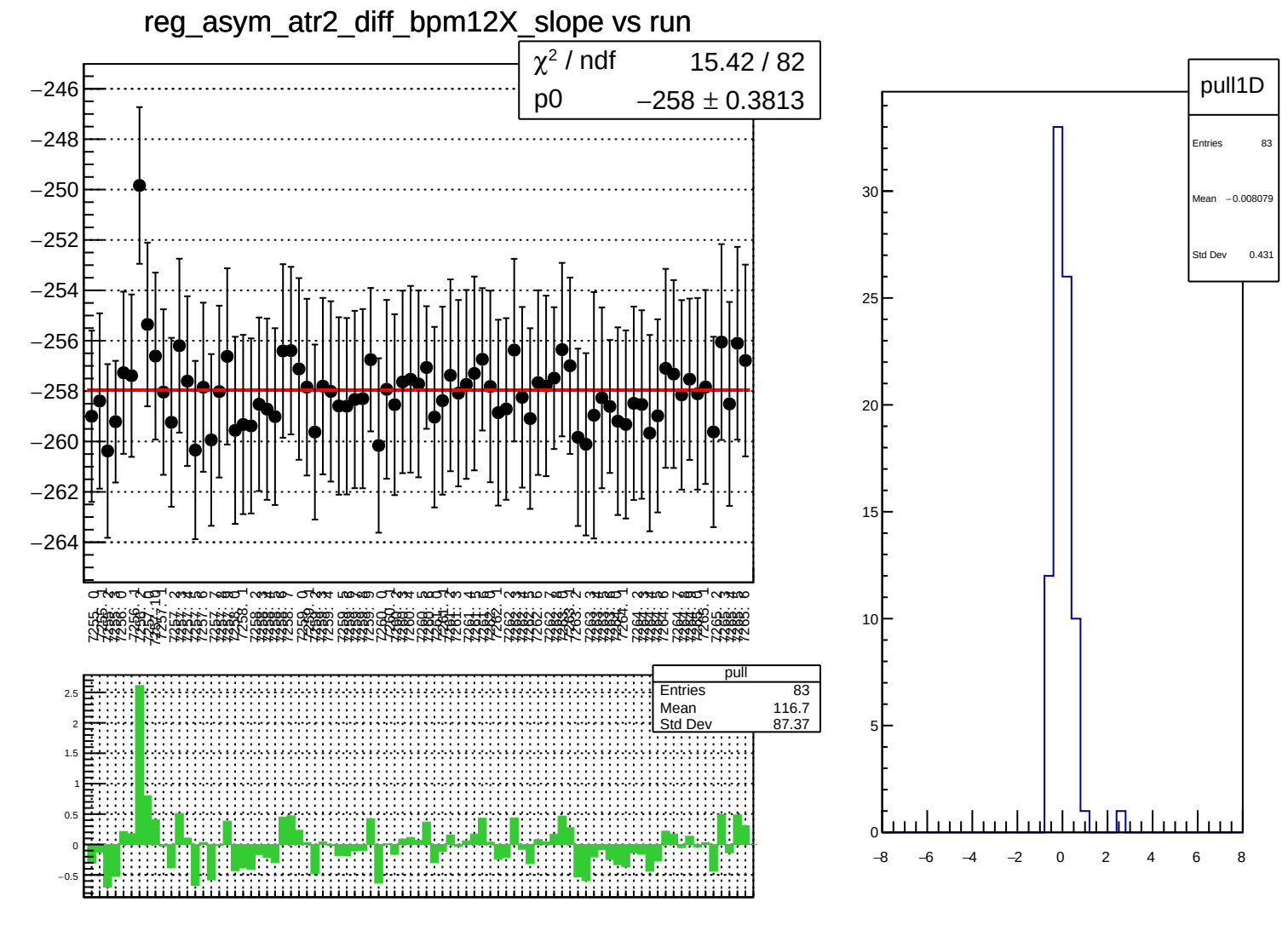

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 36.8 / 82
p0 −15.38 ± 8.547
pull
Entries 83
Mean −2319
Std Dev 2357

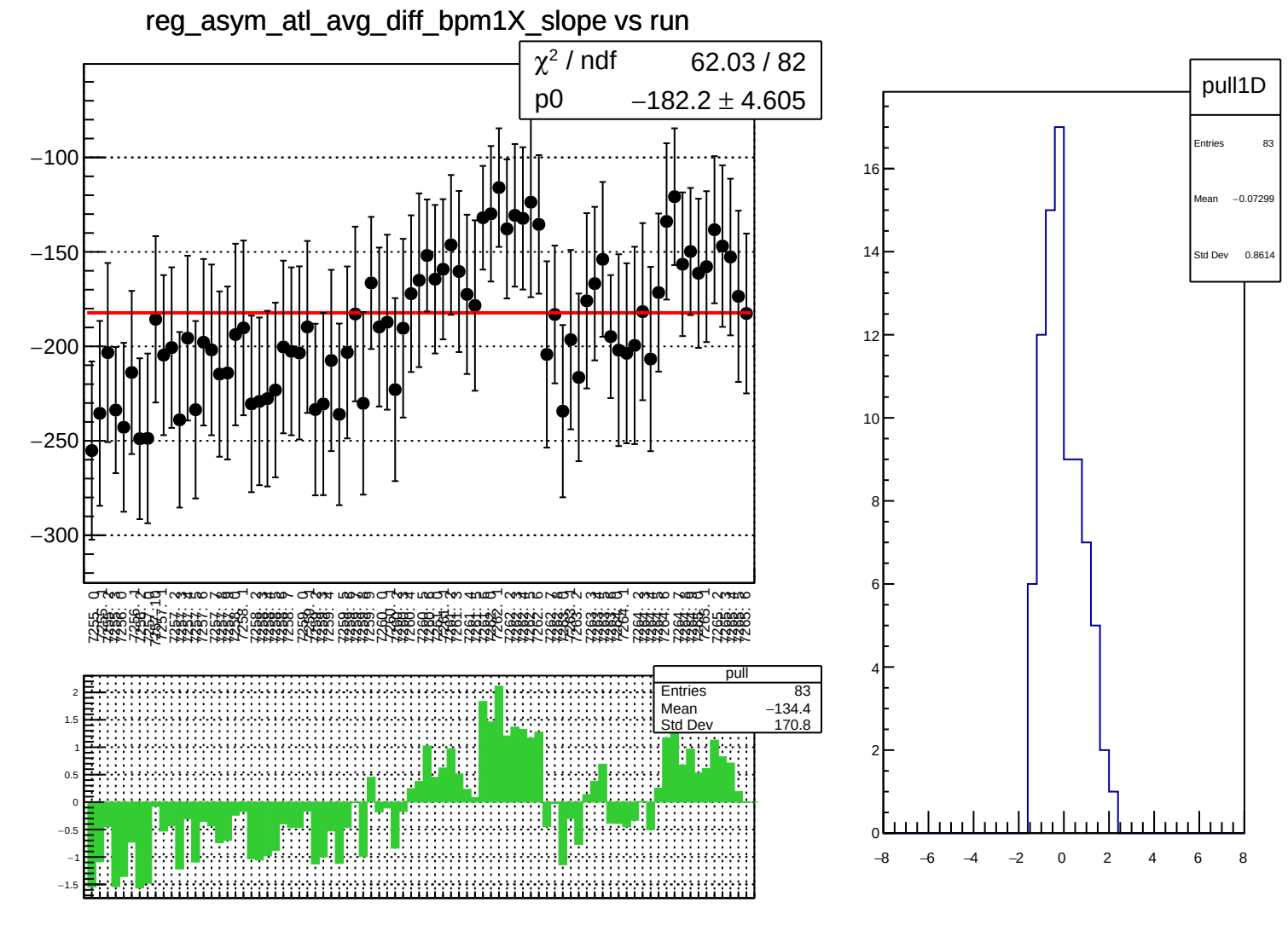

pull1D
Entries 83
Mean 0.003949
Std Dev 0.6659

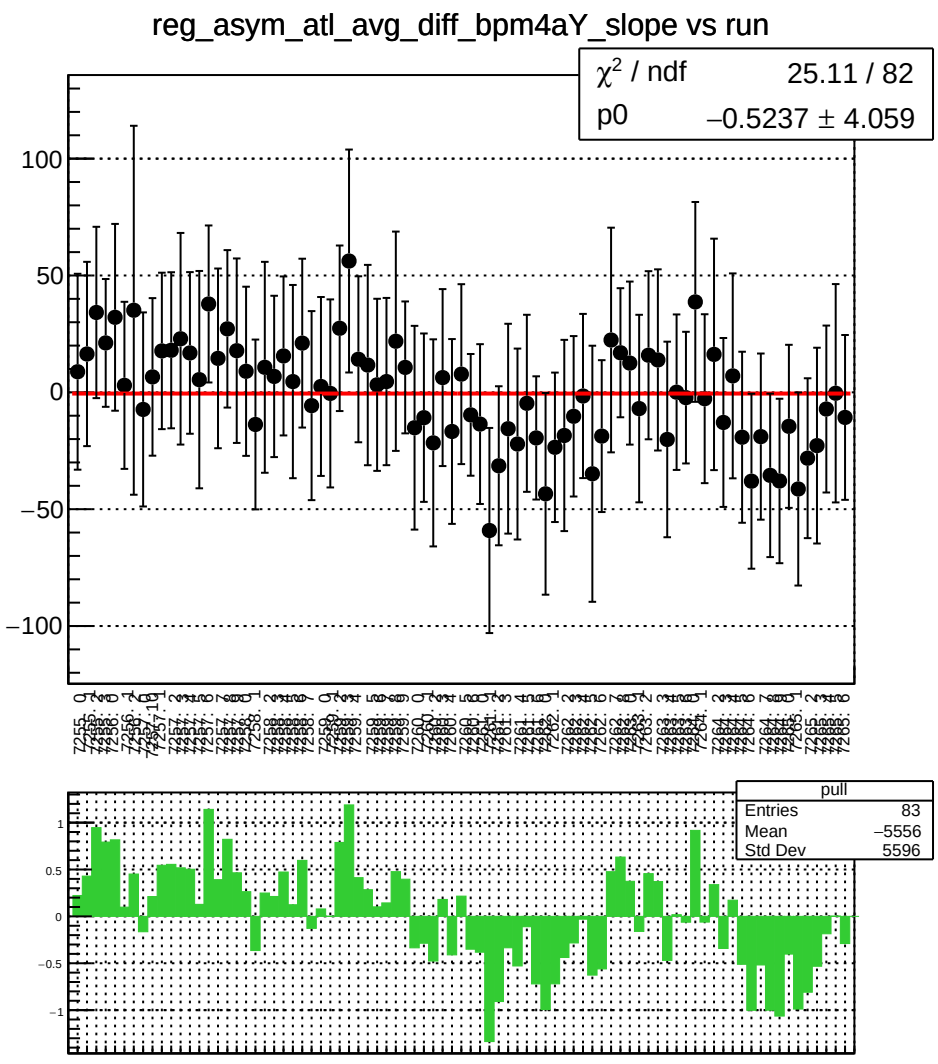

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 76.41 / 82
p0 504 ± 10.53
pull
Entries 83
Mean −121.1
Std Dev 157.8
pull1D
Entries 83
Mean 0.0771
Std Dev 0.9564

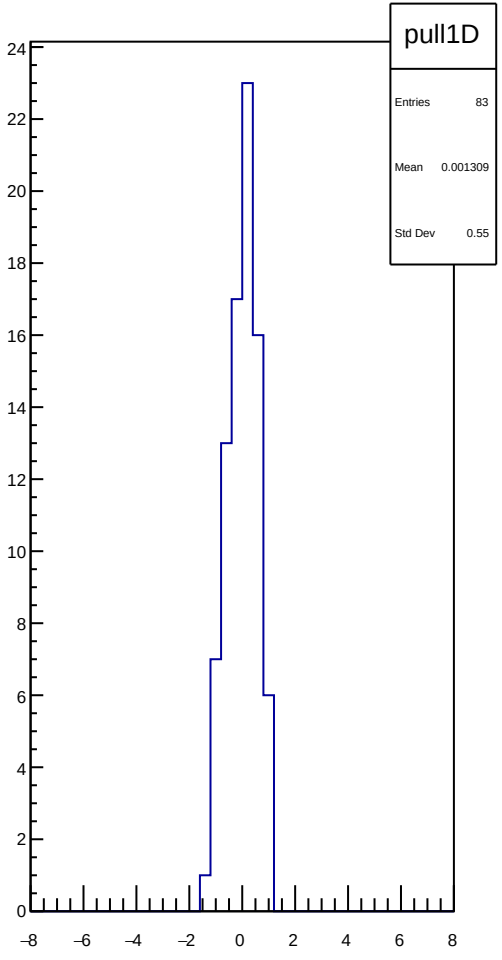

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 42.46 / 82
p0 151.8 ± 9.013
pull
Entries 83
Mean −1589
Std Dev 1628

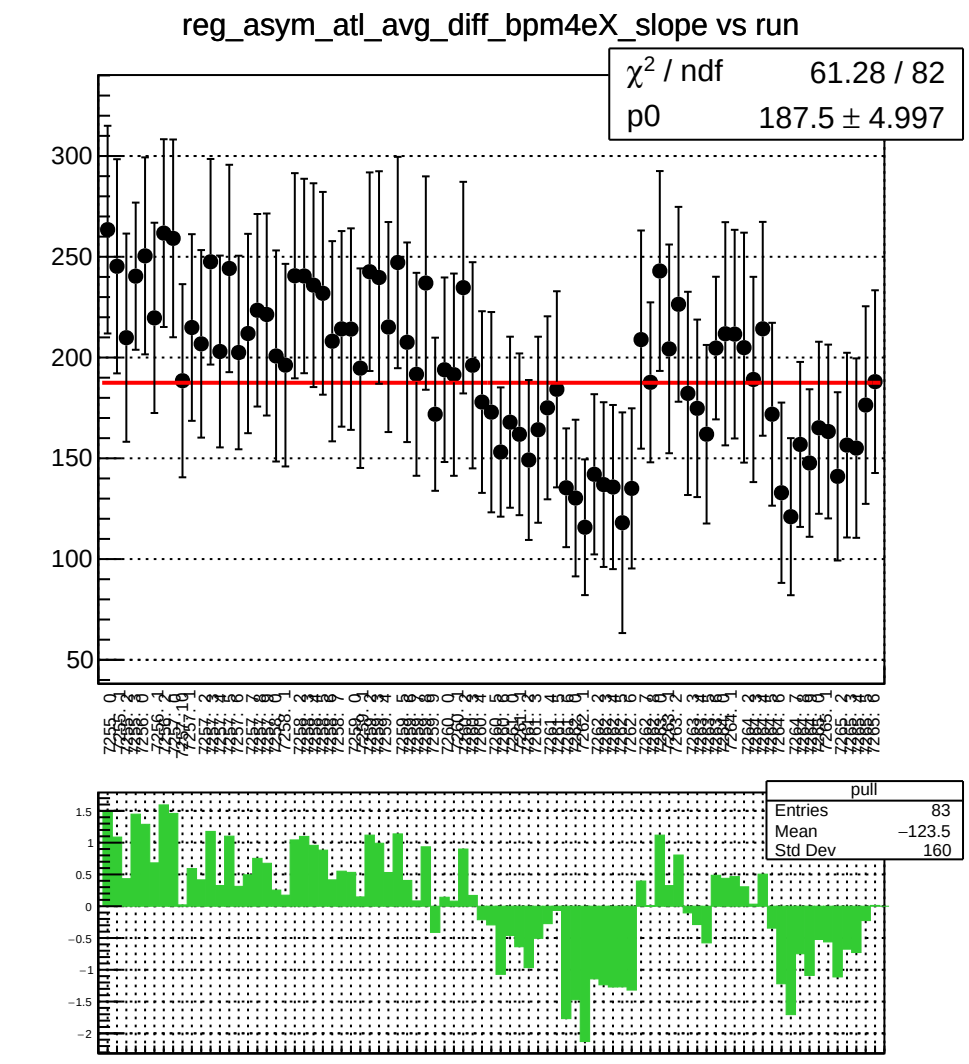

pull1D
Entries 83
Mean −0.006349
Std Dev 0.7152

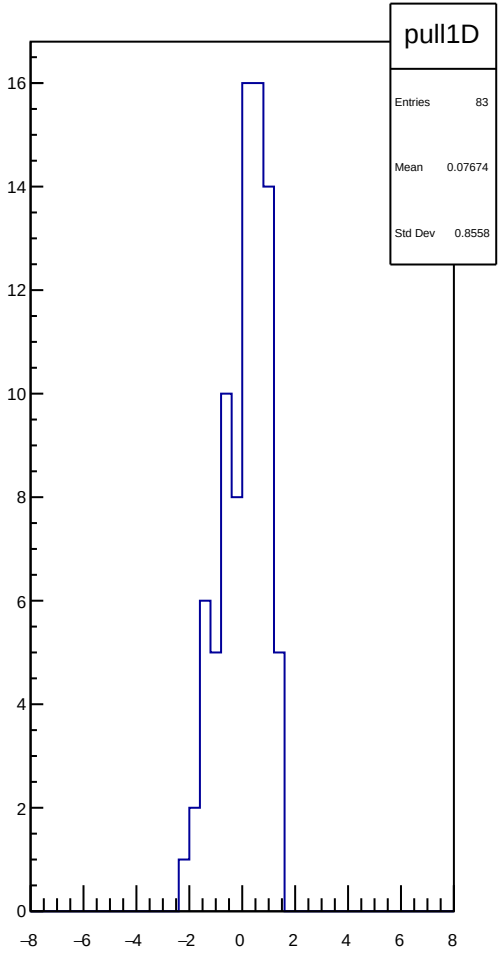

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.42 / 82
p0 −258 ± 0.3813
pull
Entries 83
Mean 116.7
Std Dev 87.37
pull1D
Entries 83
Mean −0.008079
Std Dev 0.431

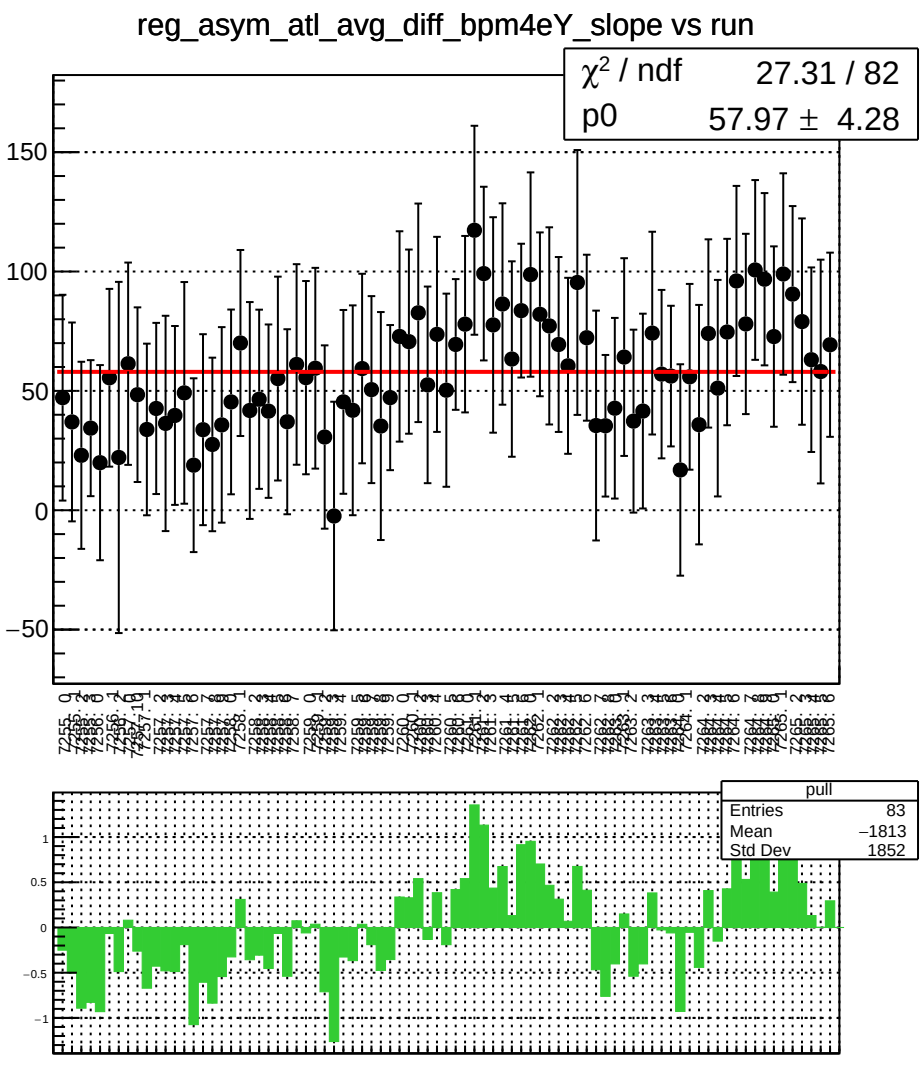

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 62.03 / 82
p0 −182.2 ± 4.605
−100
−150
−200
−250
−300
pull
Entries 83
Mean −134.4
Std Dev 170.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.07299
Std Dev 0.8614
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

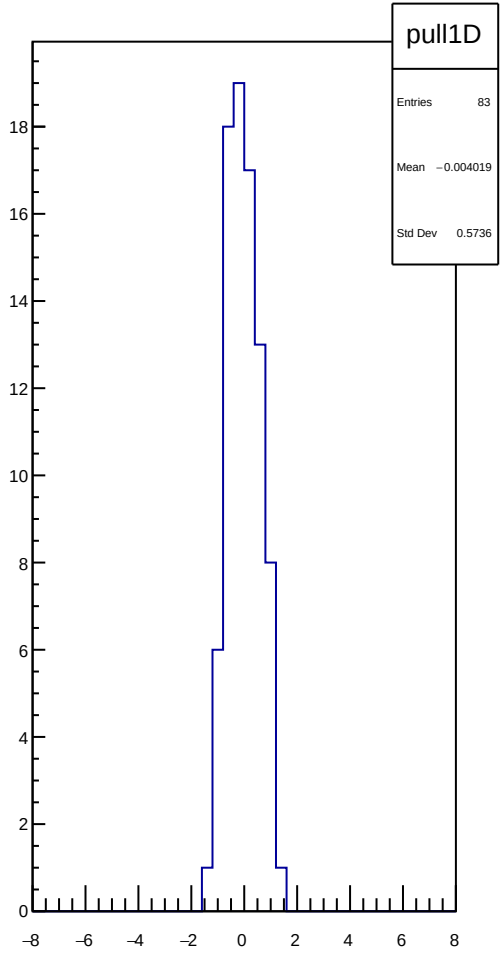

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.11 / 82
p0 −0.5237 ± 4.059
pull
Entries 83
Mean −5556
Std Dev 5596

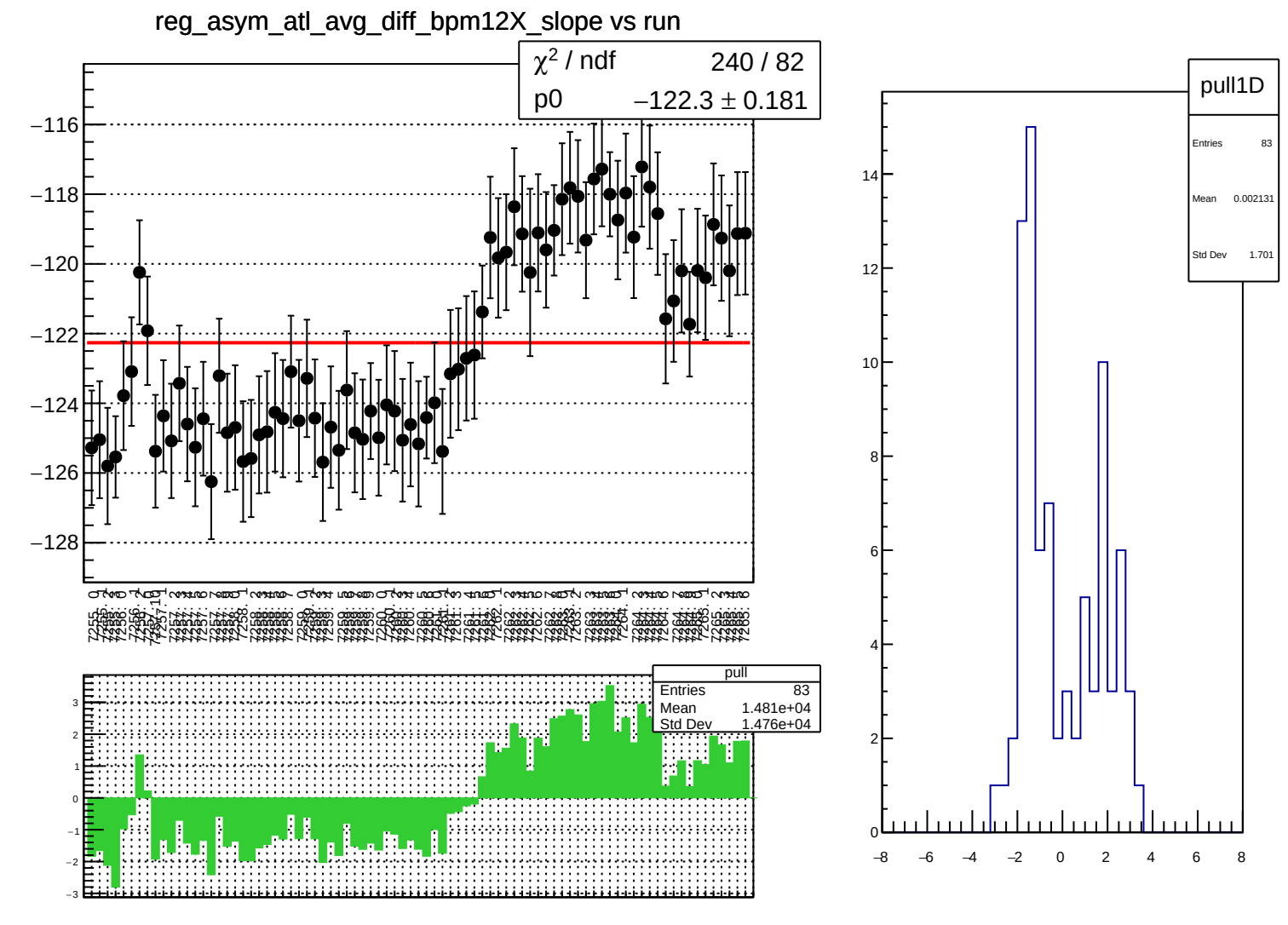

pull1D
Entries 83
Mean 0.001309
Std Dev 0.55

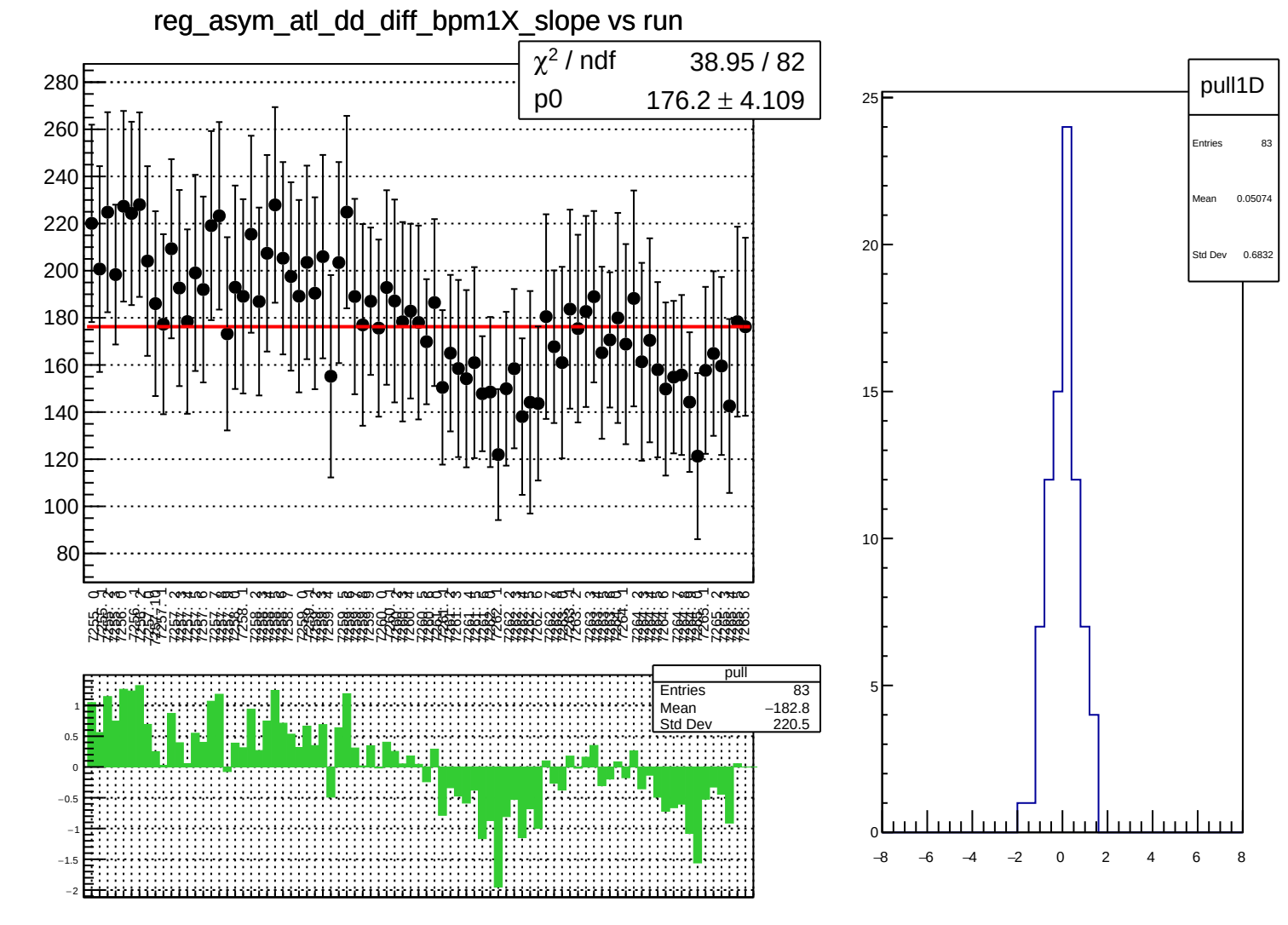

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.28 / 82
p0 187.5 ± 4.997
300
250
200
150
100
50
pull
Entries 83
Mean −123.5
Std Dev 160
1.5
1
0.5
0
−0.5
−1
−1.5
−2

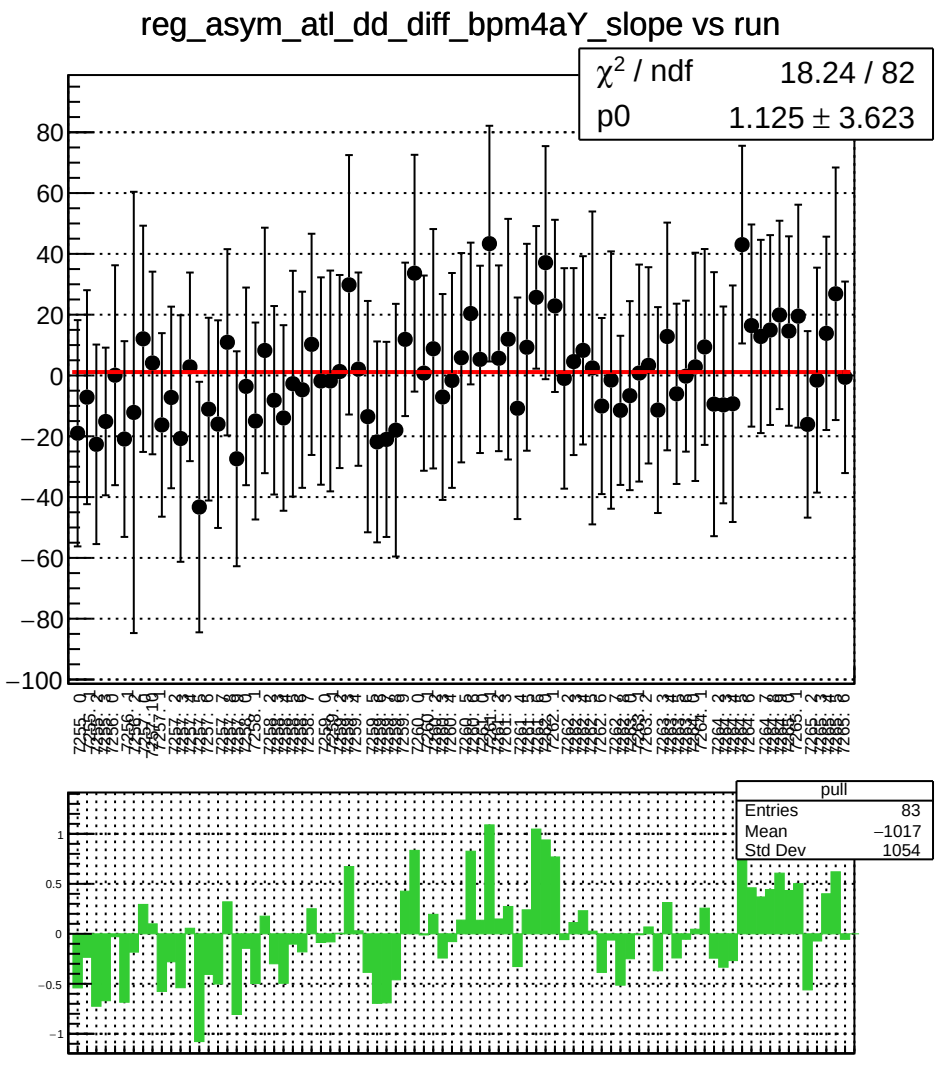

pull1D
Entries 83
Mean 0.07674
Std Dev 0.8558
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

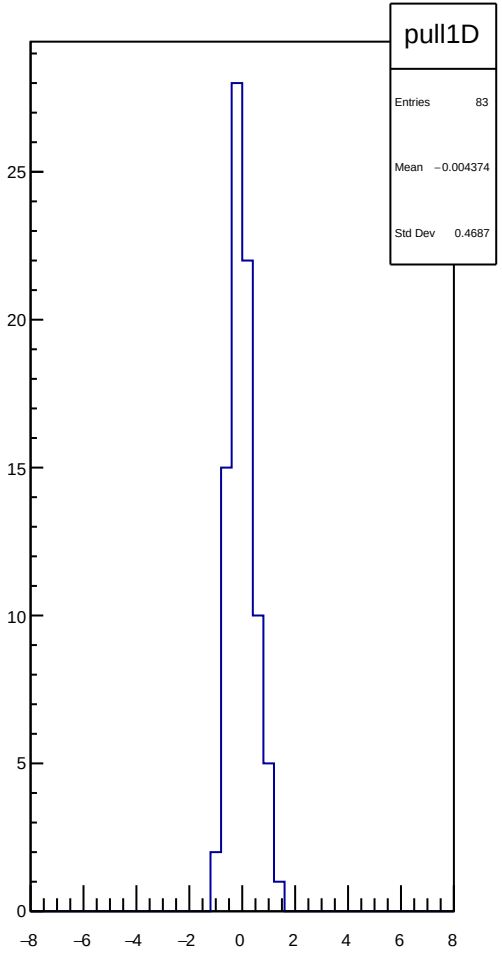

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.31 / 82
p0 57.97 ± 4.28
150
100
50
0
−50
pull
Entries 83
Mean −1813
Std Dev 1852
1
0.5
0
−0.5
−1

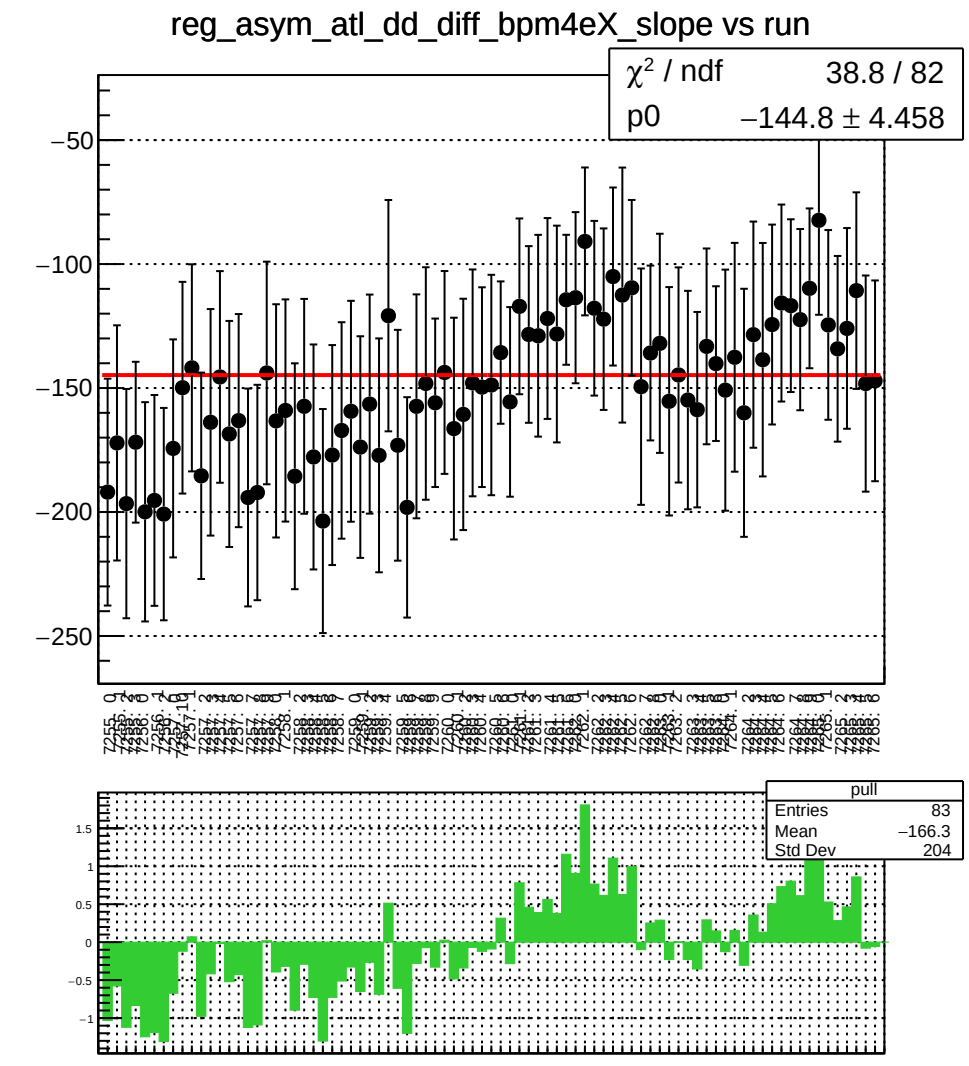

pull1D
Entries 83
Mean −0.004019
Std Dev 0.5736
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

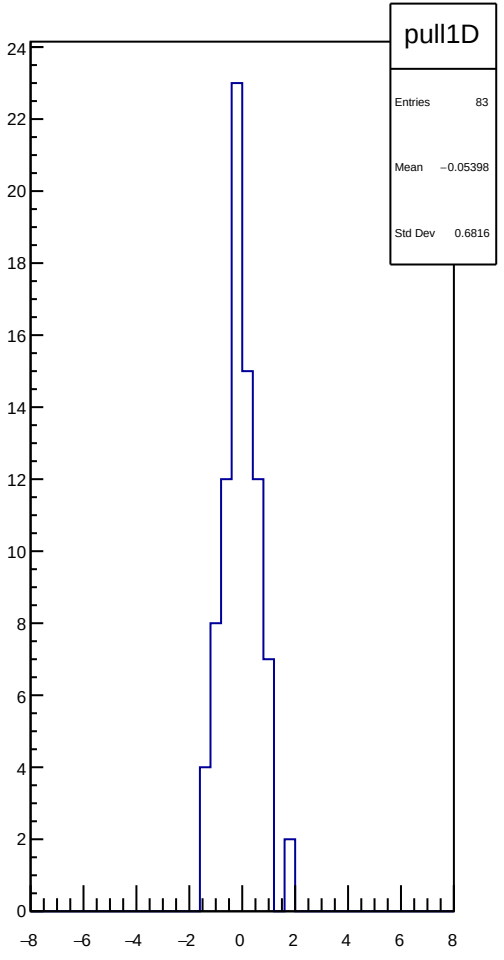

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 240 / 82
p0 −122.3 ± 0.181
pull
Entries 83
Mean 1.481e+04
Std Dev 1.476e+04
pull1D
Entries 83
Mean 0.002131
Std Dev 1.701

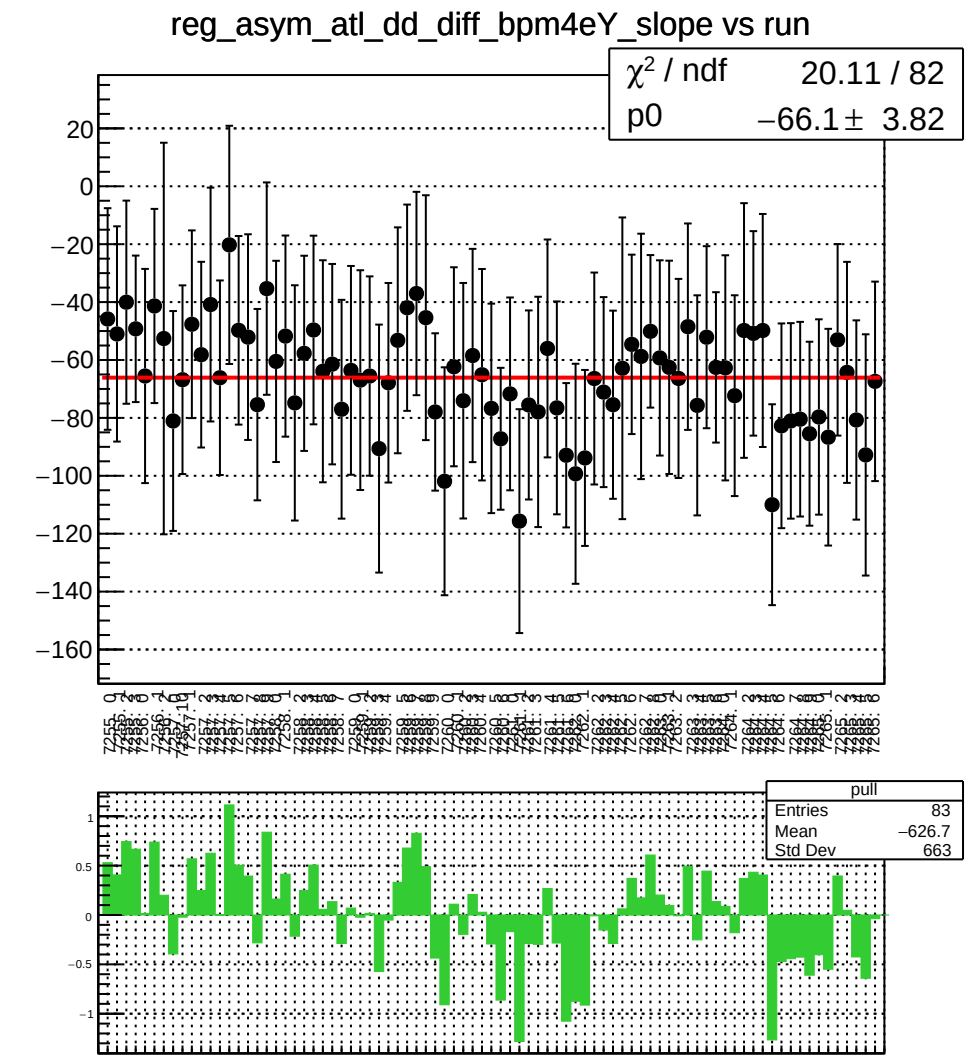

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 38.95 / 82
p0 176.2 ± 4.109
pull
Entries 83
Mean −182.8
Std Dev 220.5
pull1D
Entries 83
Mean 0.05074
Std Dev 0.6832

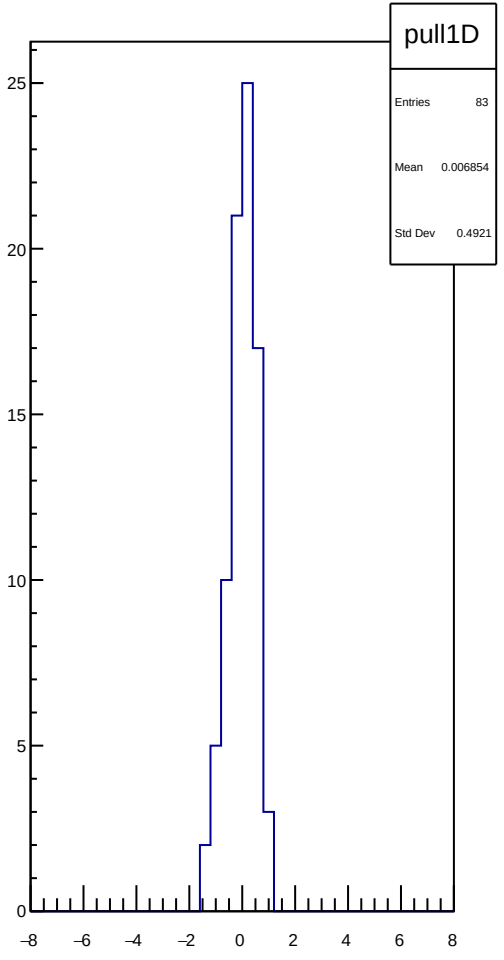

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.24 / 82
p0 1.125 ± 3.623
pull
Entries 83
Mean −1017
Std Dev 1054

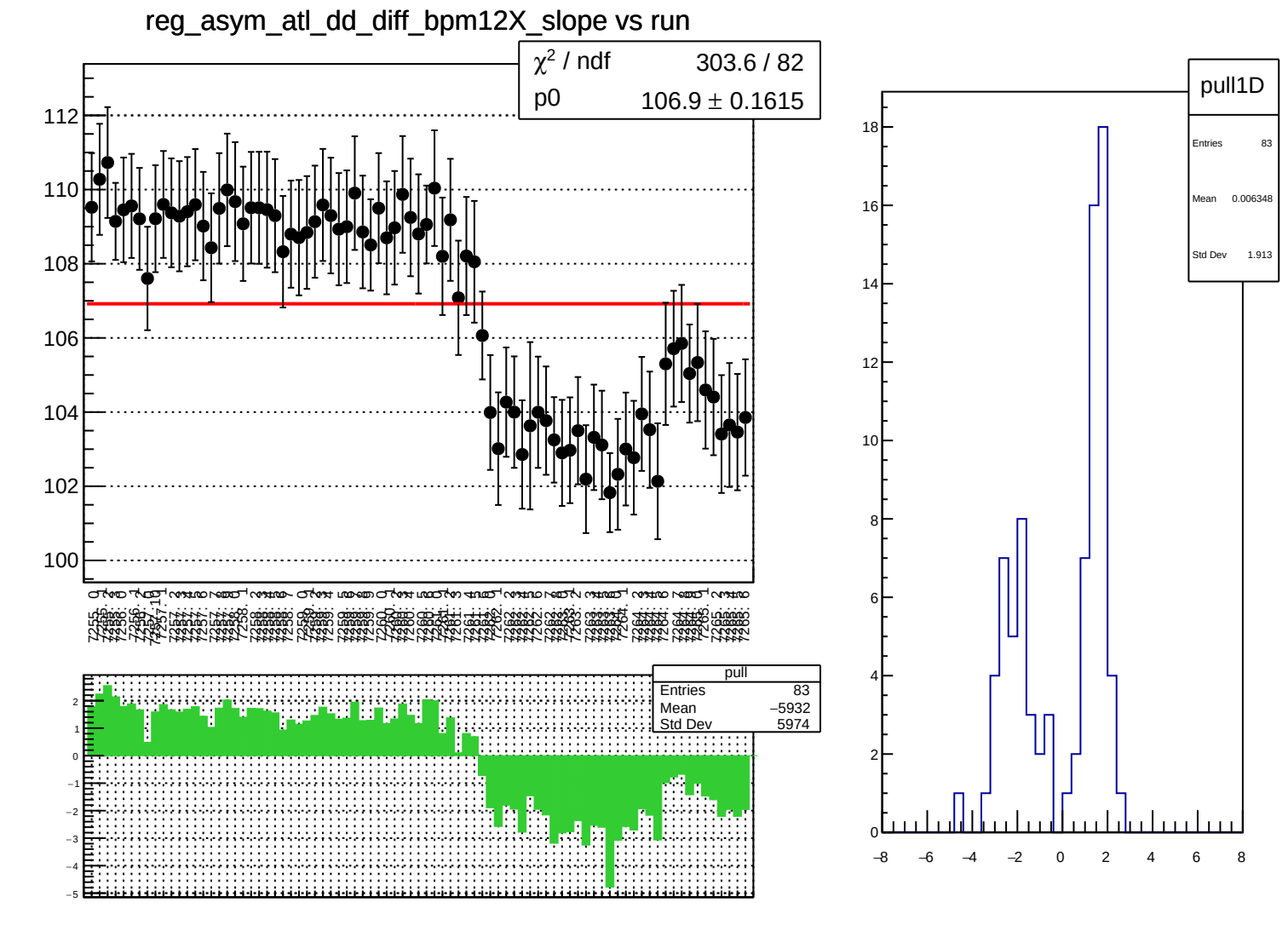

pull1D
Entries 83
Mean −0.004374
Std Dev 0.4687

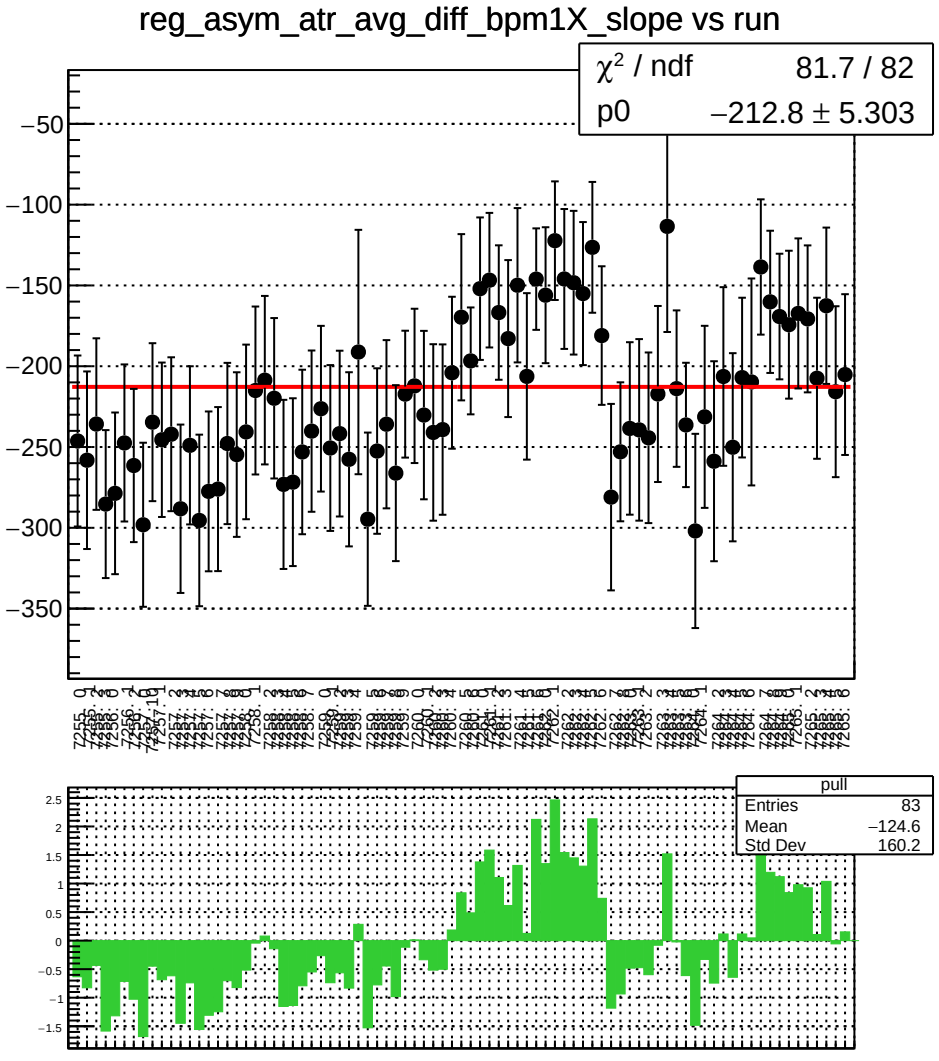

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.8 / 82
p0 −144.8 ± 4.458
−50
−100
−150
−200
−250
pull
Entries 83
Mean −166.3
Std Dev 204
1.5
1
0.5
0
−0.5
−1

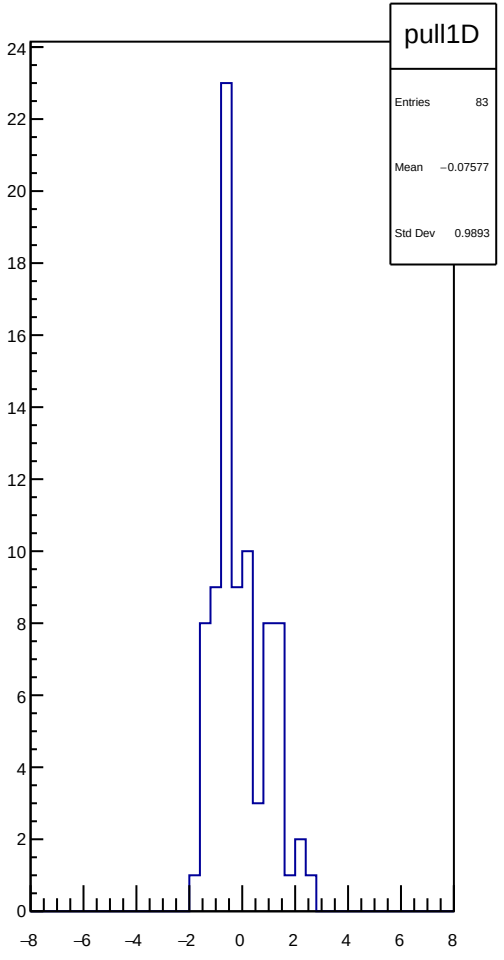

pull1D
Entries 83
Mean −0.05398
Std Dev 0.6816
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

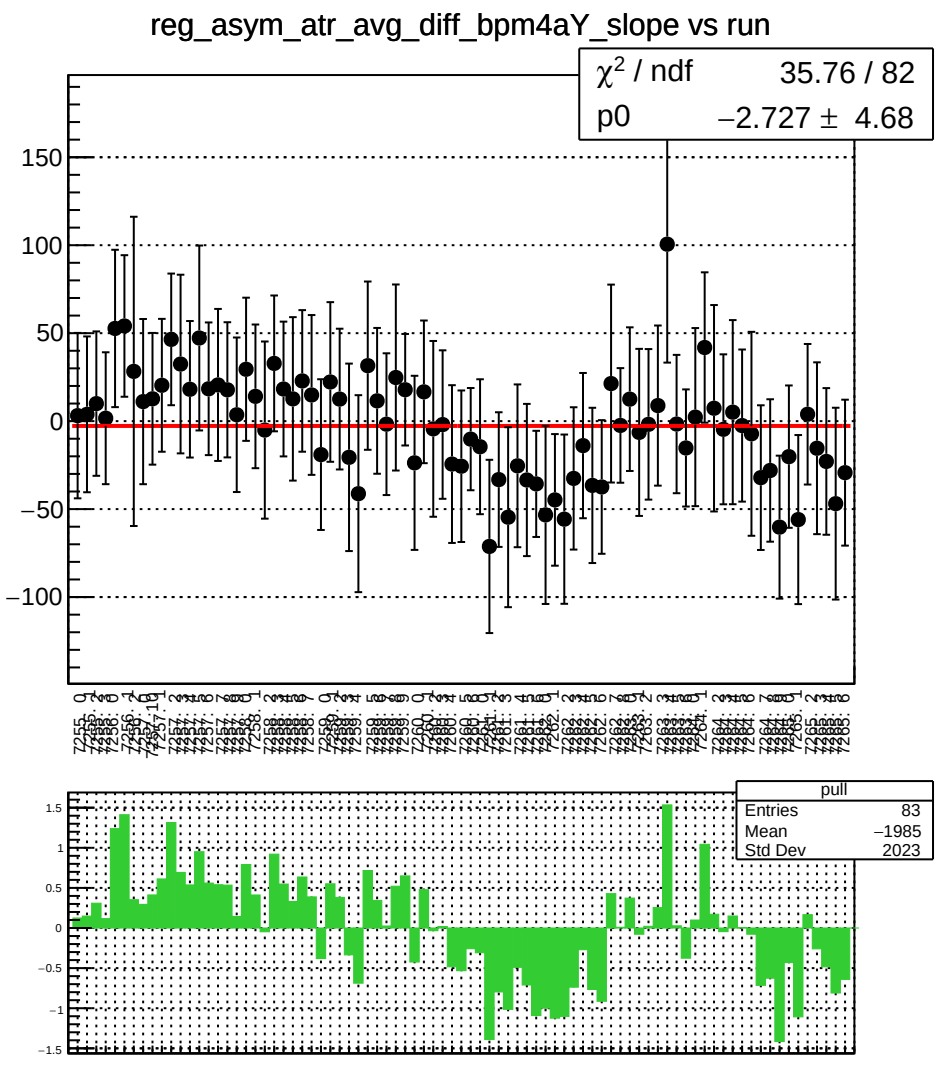

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.11 / 82
p0 −66.1 ± 3.82
pull
Entries 83
Mean −626.7
Std Dev 663

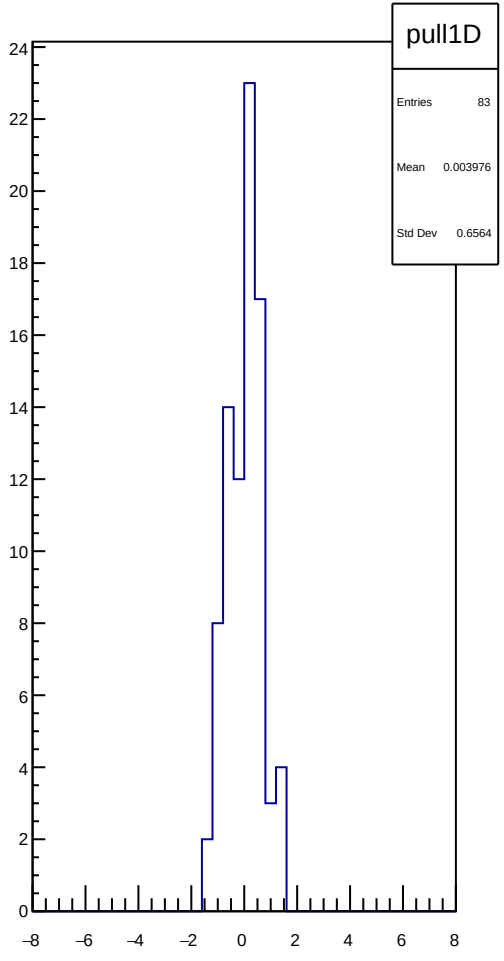

pull1D
Entries 83
Mean 0.006854
Std Dev 0.4921

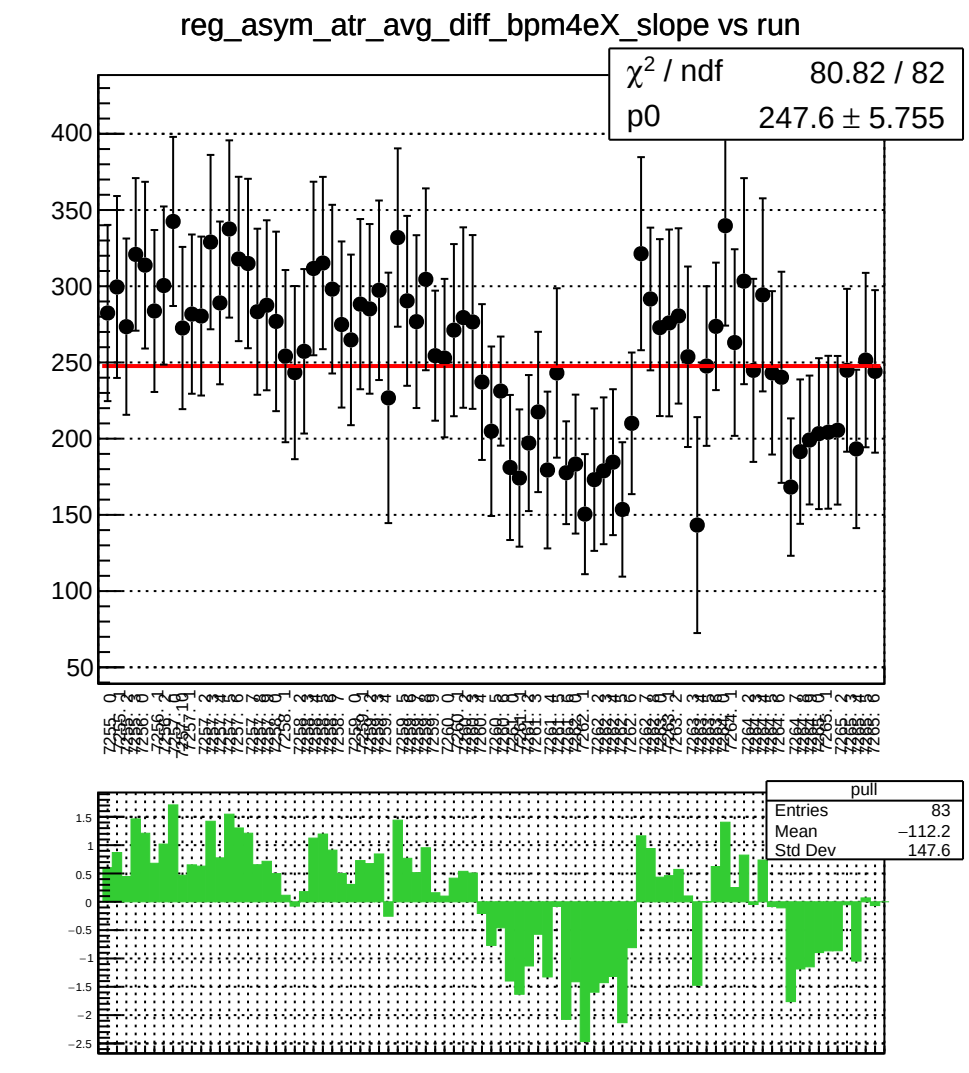

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 303.6 / 82
p0 106.9 ± 0.1615
pull
Entries 83
Mean −5932
Std Dev 5974
pull1D
Entries 83
Mean 0.006348
Std Dev 1.913

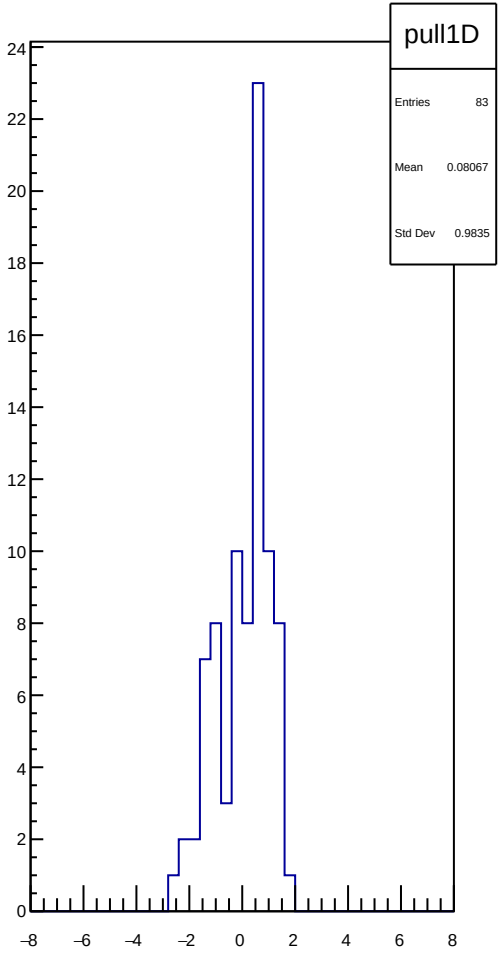

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 81.7 / 82
p0 −212.8 ± 5.303
pull
Entries 83
Mean −124.6
Std Dev 160.2

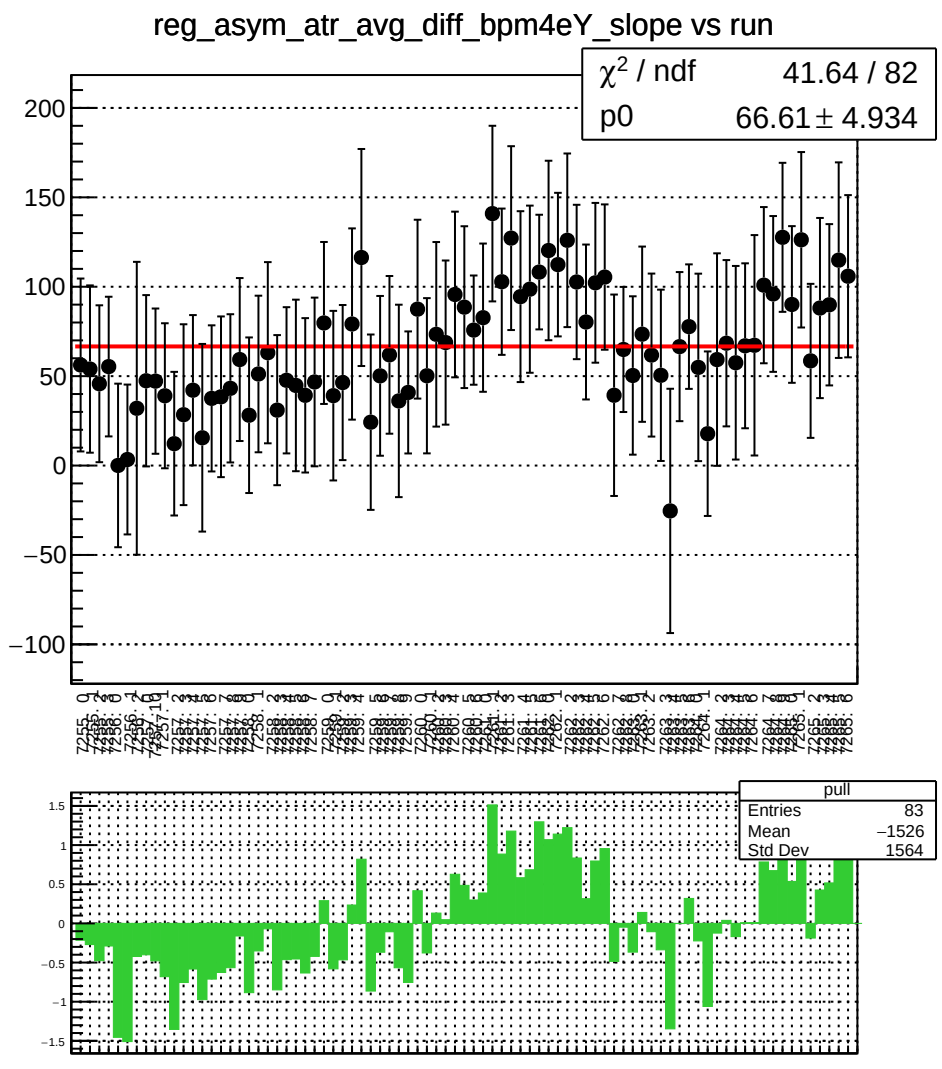

pull1D
Entries 83
Mean −0.07577
Std Dev 0.9893

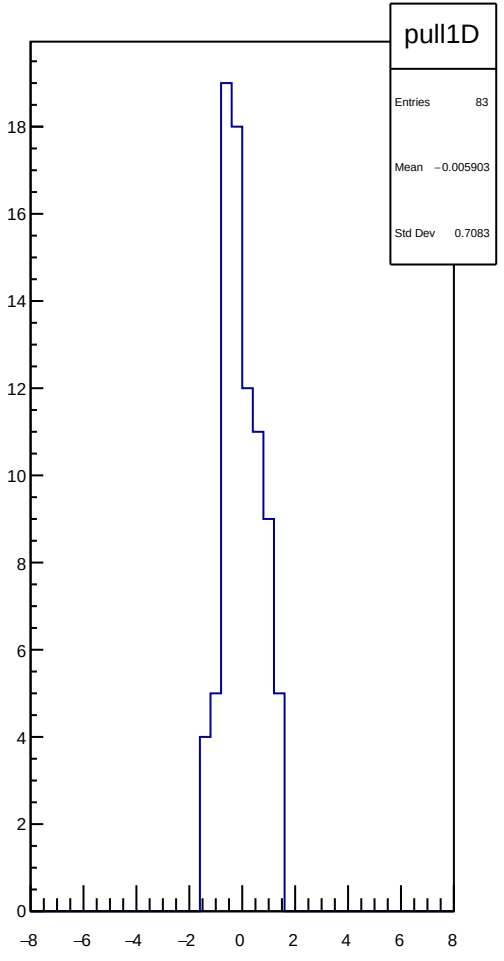

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.76 / 82
p0 −2.727 ± 4.68
150
100
50
0
−50
−100
pull
Entries 83
Mean −1985
Std Dev 2023
1.5
1
0.5
0
−0.5
−1
−1.5

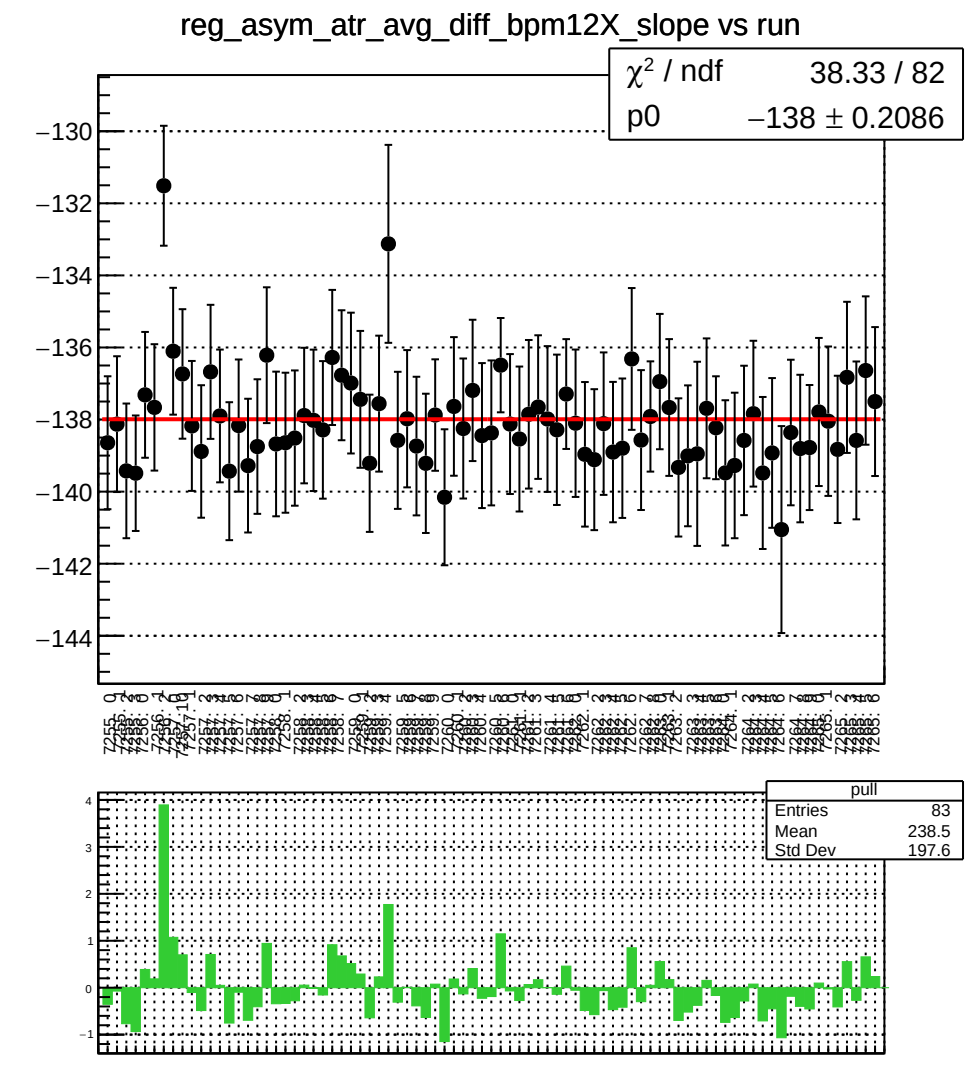

pull1D
Entries 83
Mean 0.003976
Std Dev 0.6564
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

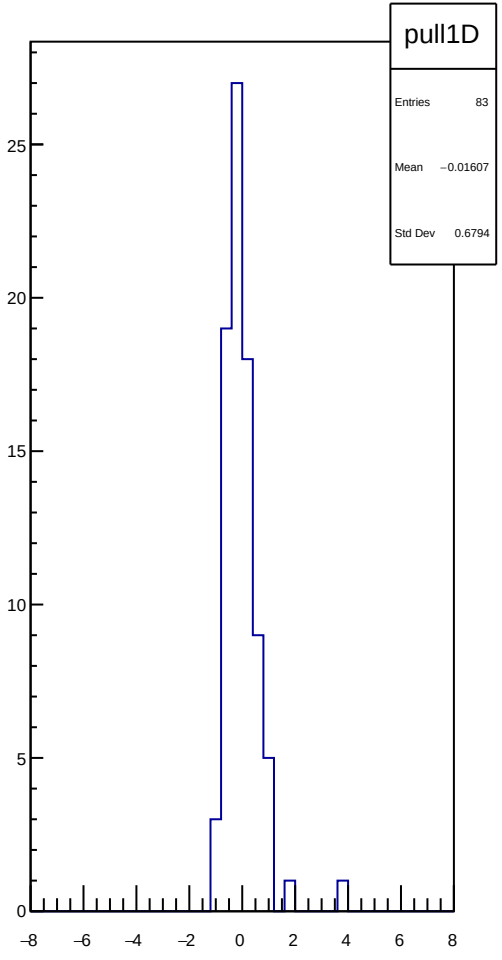

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.82 / 82
p0 247.6 ± 5.755
pull
Entries 83
Mean −112.2
Std Dev 147.6

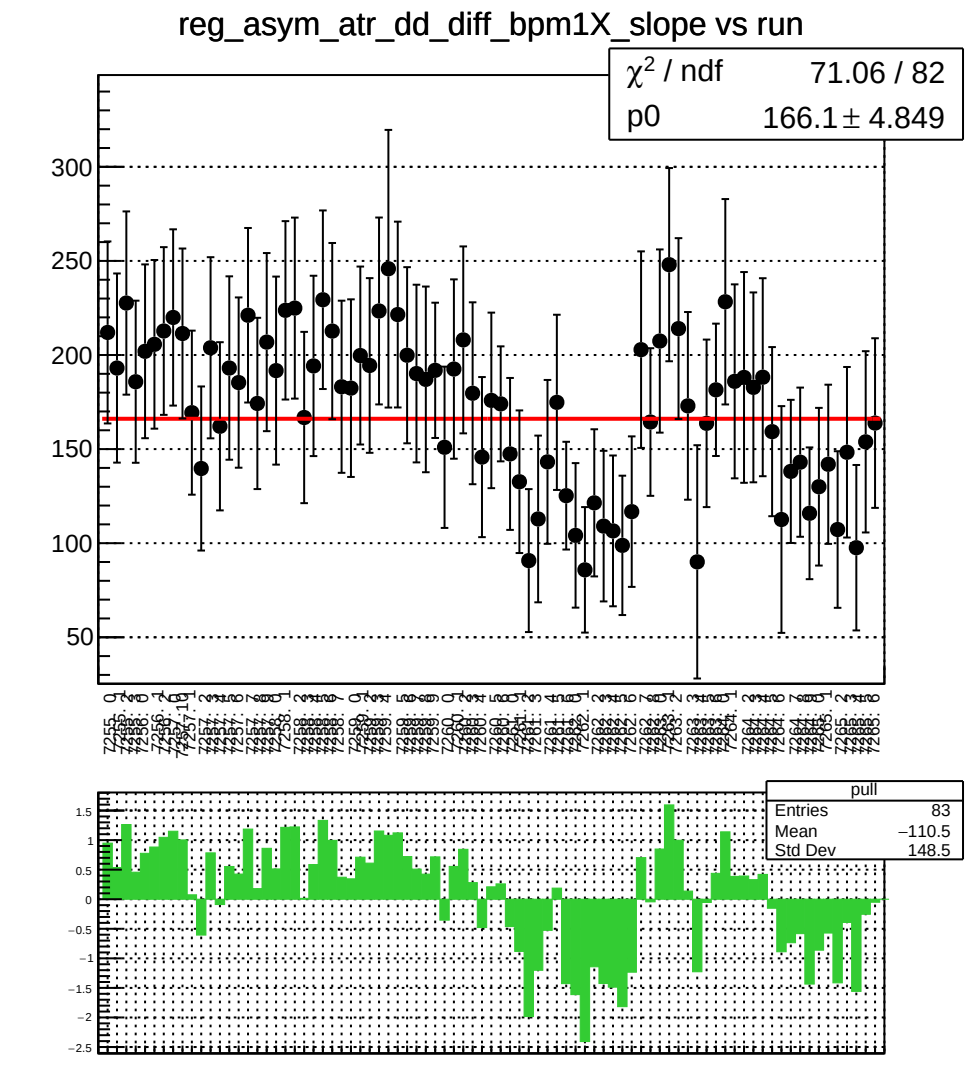

pull1D
Entries 83
Mean 0.08067
Std Dev 0.9835

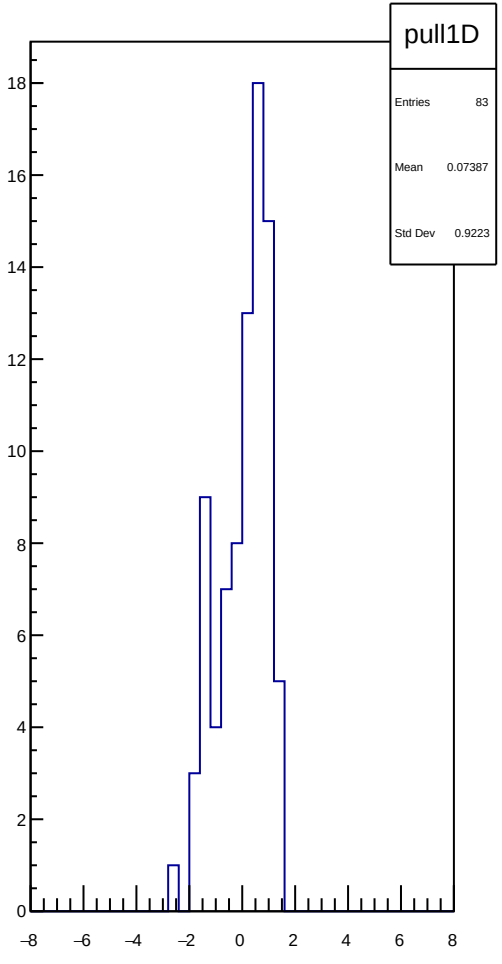

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 41.64 / 82
p0 66.61 ± 4.934
pull
Entries 83
Mean −1526
Std Dev 1564

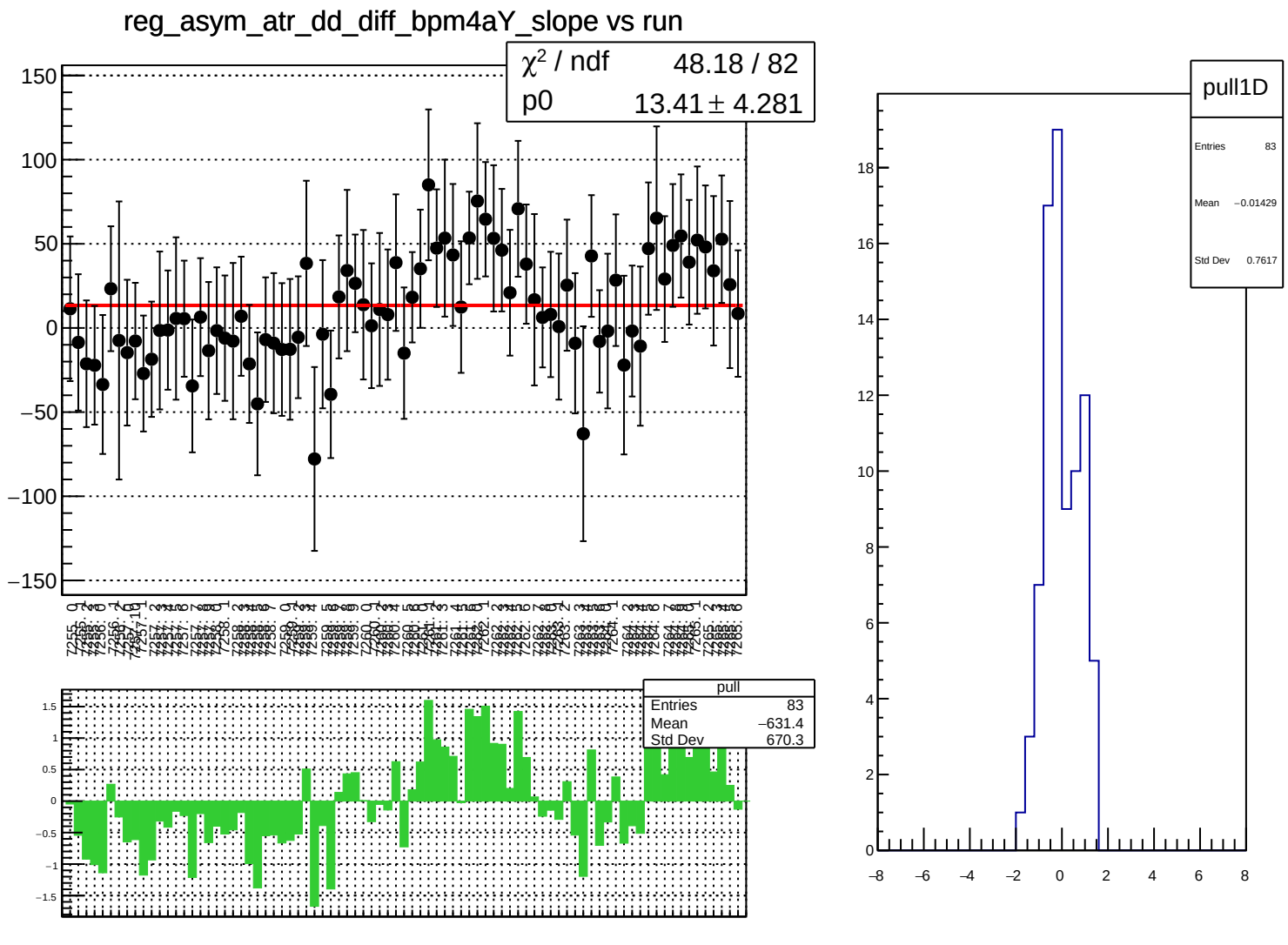

pull1D
Entries 83
Mean −0.005903
Std Dev 0.7083

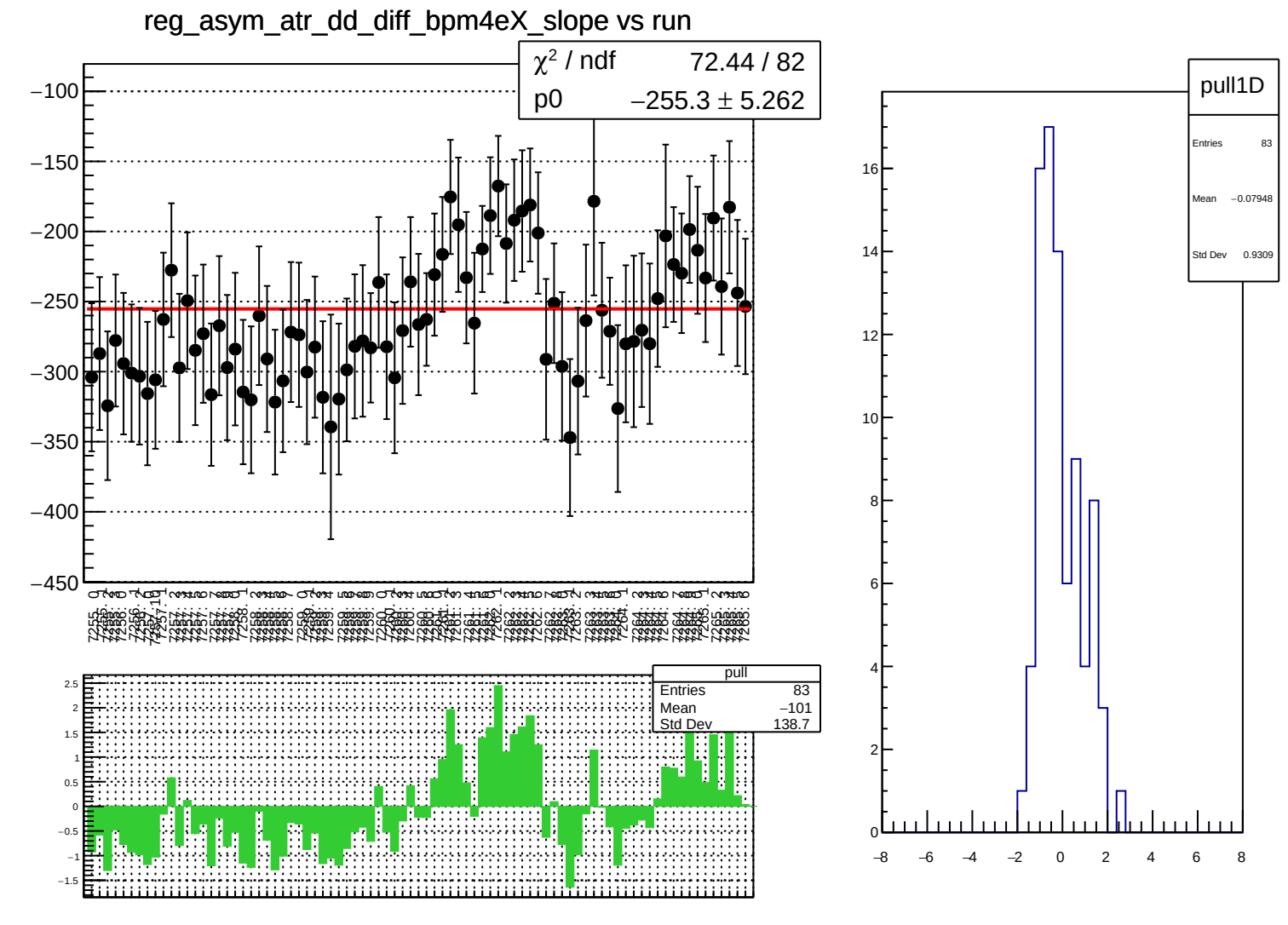

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 38.33 / 82
p0 −138 ± 0.2086
pull
Entries 83
Mean 238.5
Std Dev 197.6

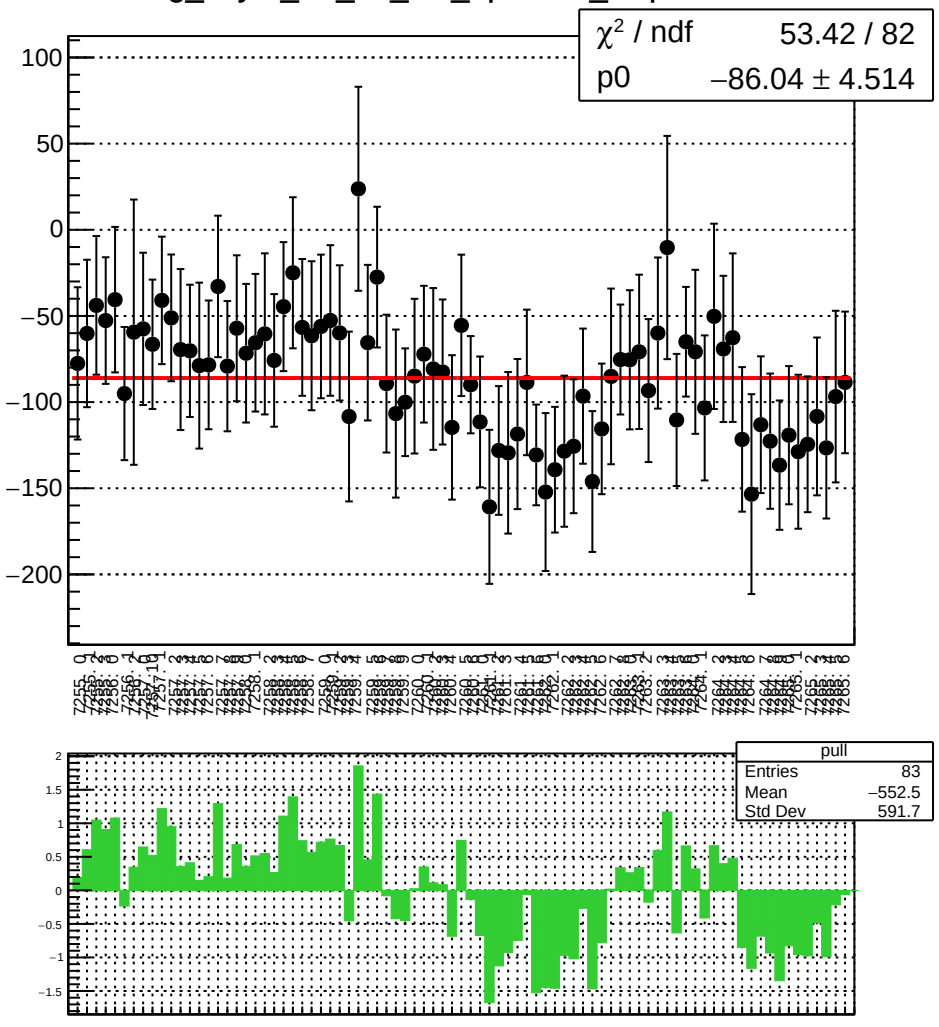

pull1D
Entries 83
Mean −0.01607
Std Dev 0.6794

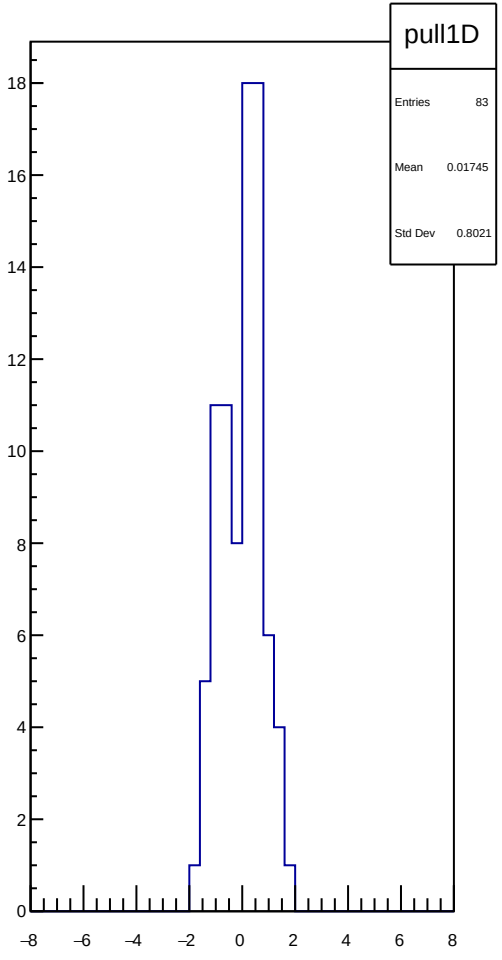

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 71.06 / 82
p0 166.1 ± 4.849
pull
Entries 83
Mean −110.5
Std Dev 148.5

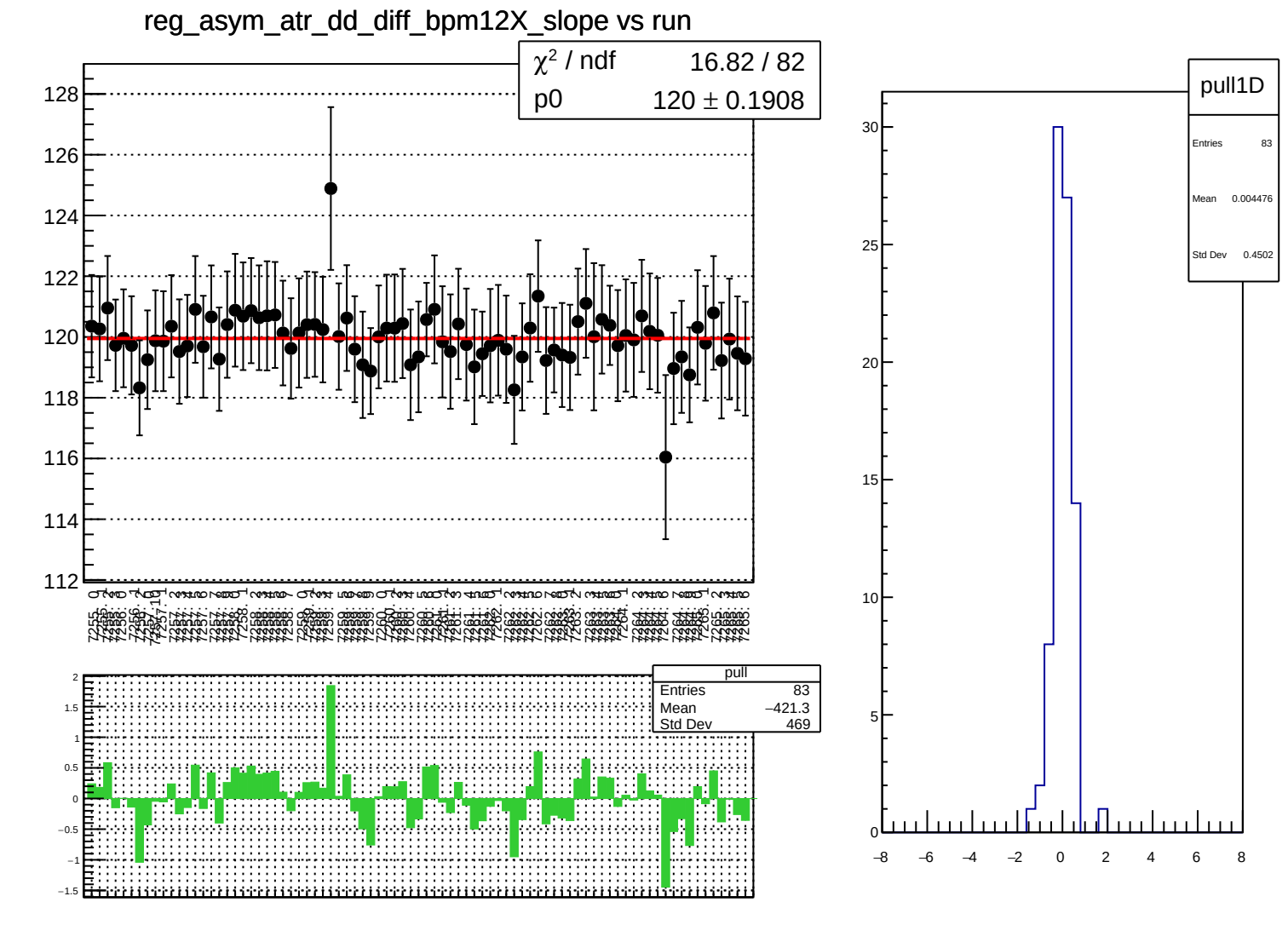

pull1D
Entries 83
Mean 0.07387
Std Dev 0.9223

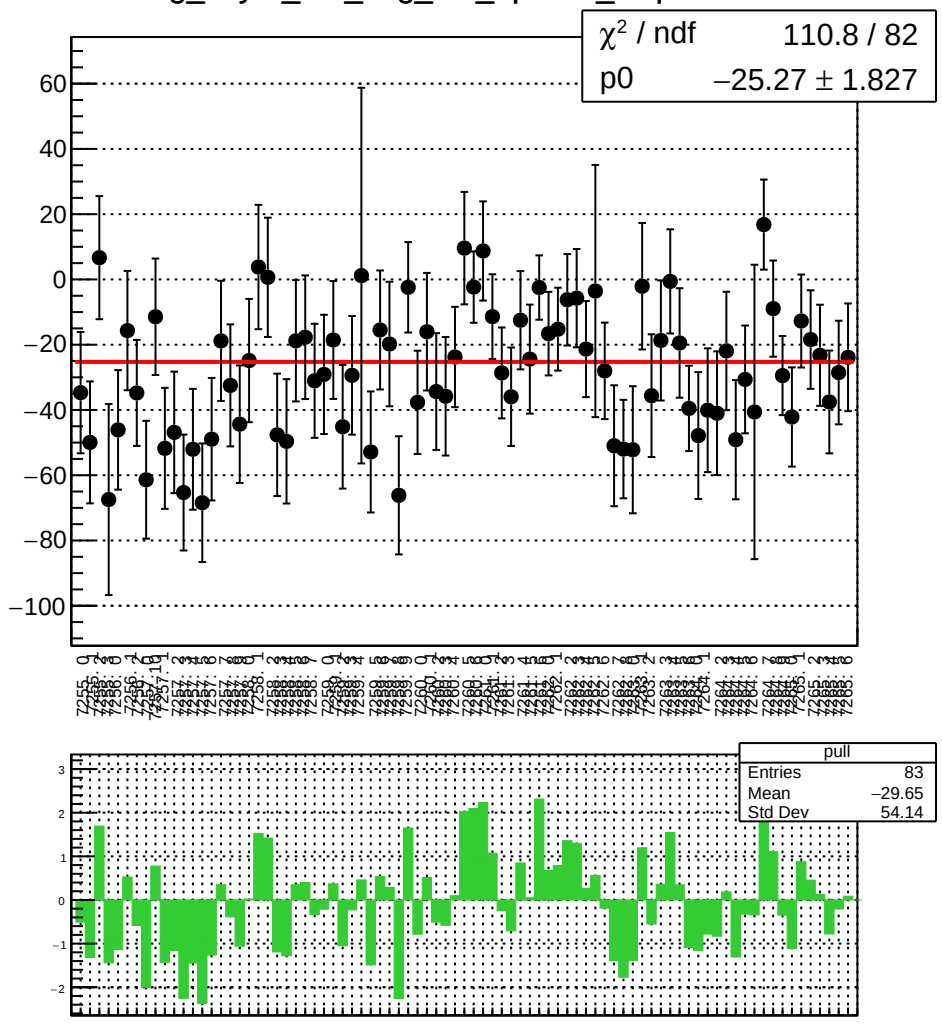

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.18 / 82
p0 13.41 ± 4.281
pull
Entries 83
Mean −631.4
Std Dev 670.3
pull1D
Entries 83
Mean −0.01429
Std Dev 0.7617

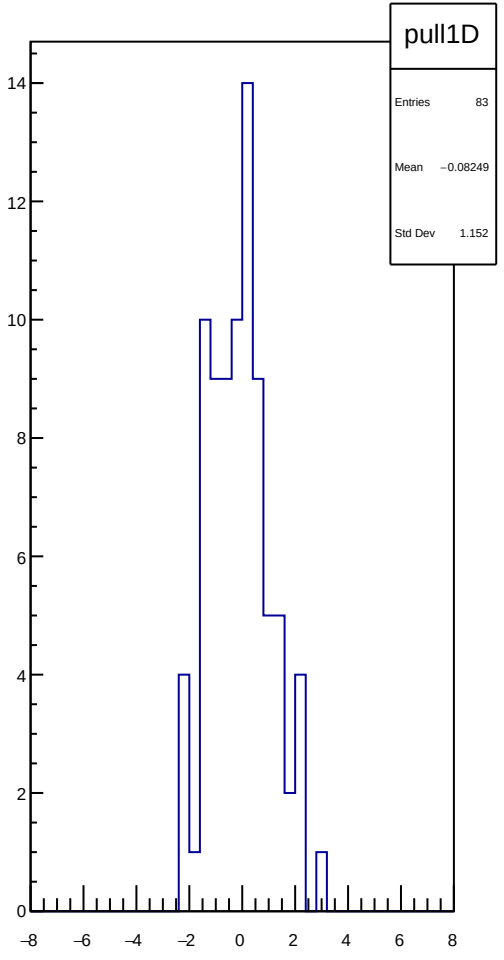

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.44 / 82
p0 −255.3 ± 5.262
pull
Entries 83
Mean −101
Std Dev 138.7
pull1D
Entries 83
Mean −0.07948
Std Dev 0.9309

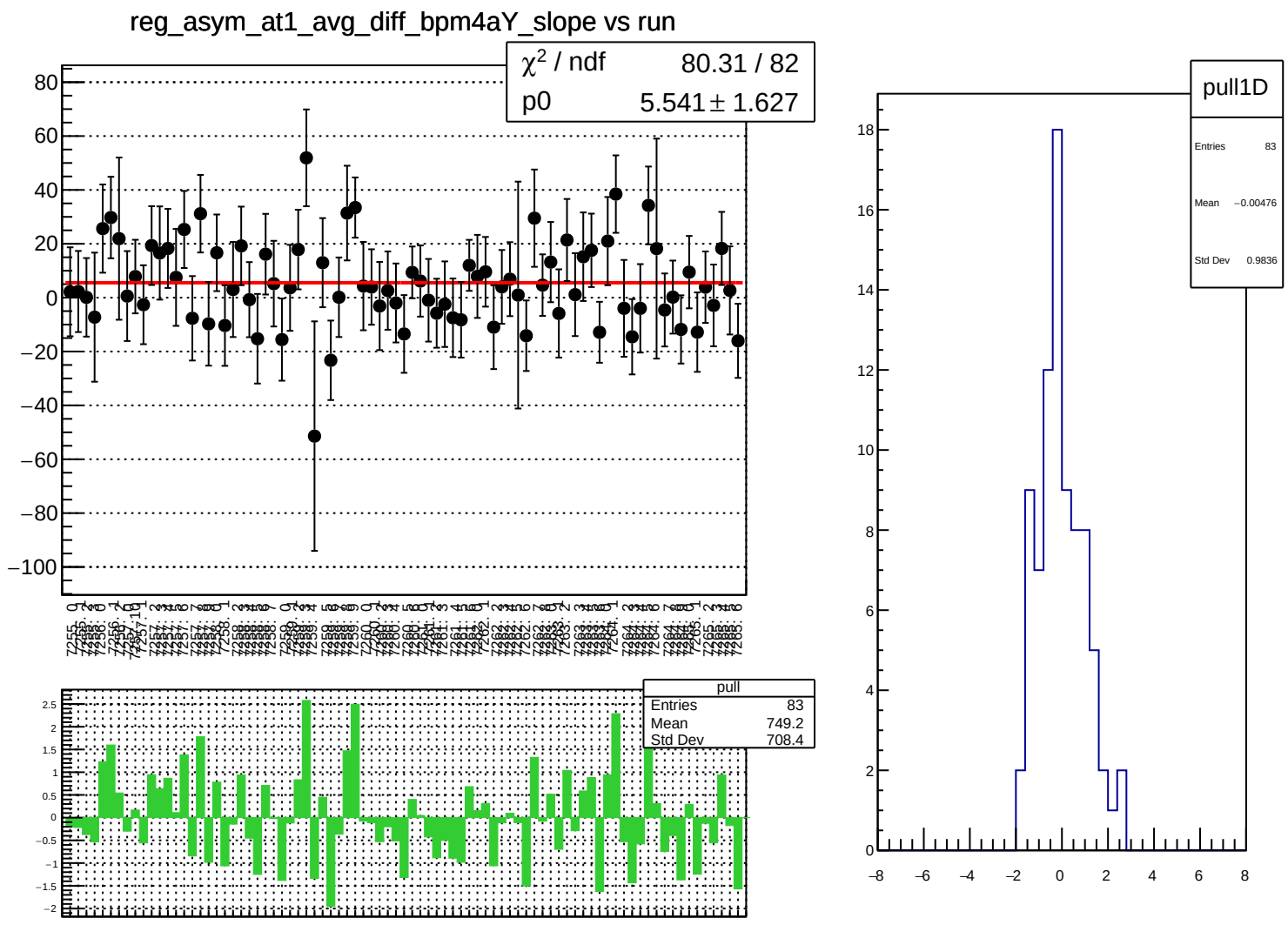

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.42 / 82
p0 −86.04 ± 4.514
pull
Entries 83
Mean −552.5
Std Dev 591.7

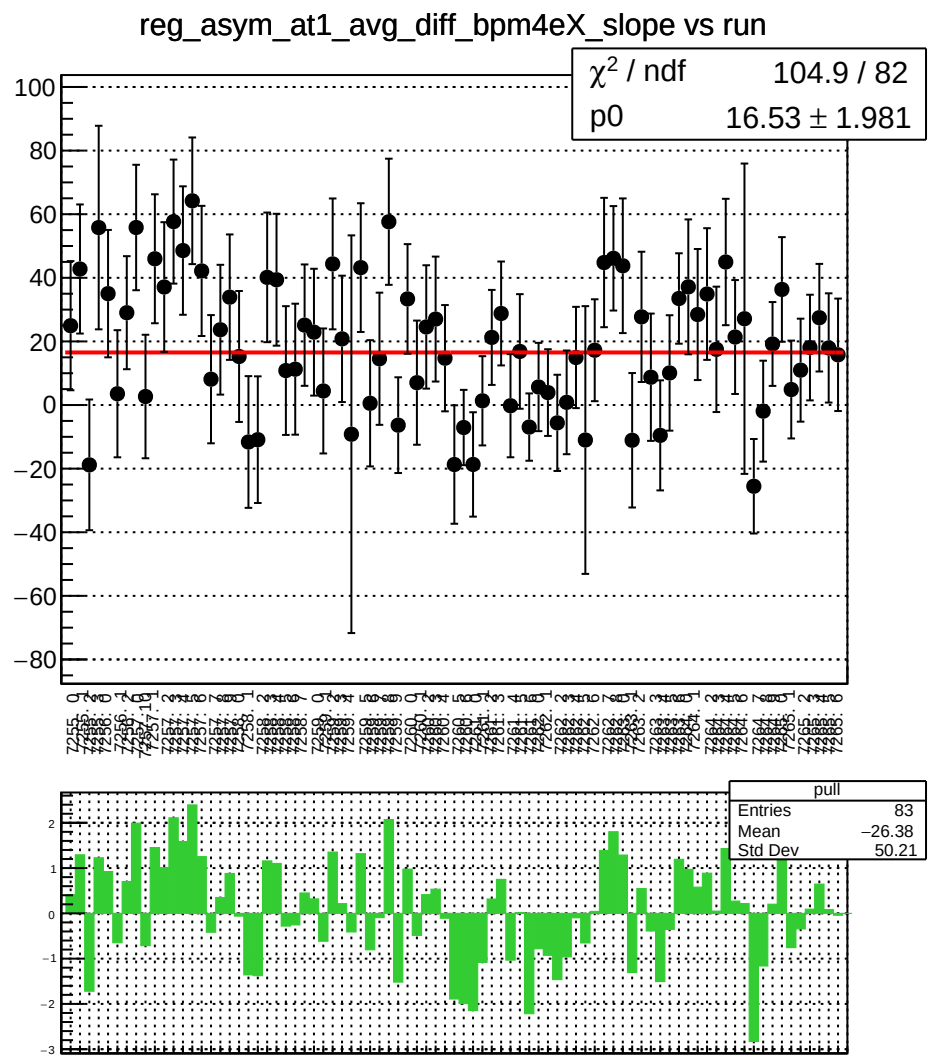

pull1D
Entries 83
Mean 0.01745
Std Dev 0.8021

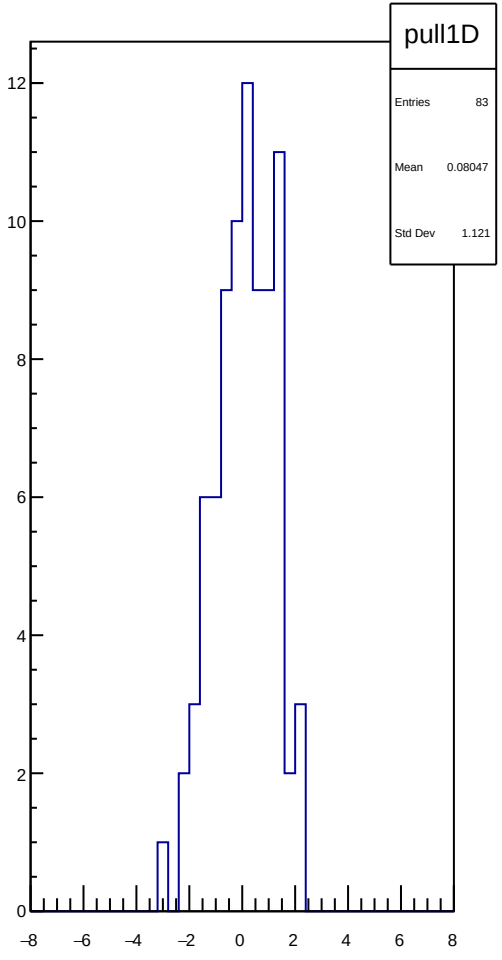

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 16.82 / 82
p0 120 ± 0.1908
pull
Entries 83
Mean −421.3
Std Dev 469
pull1D
Entries 83
Mean 0.004476
Std Dev 0.4502

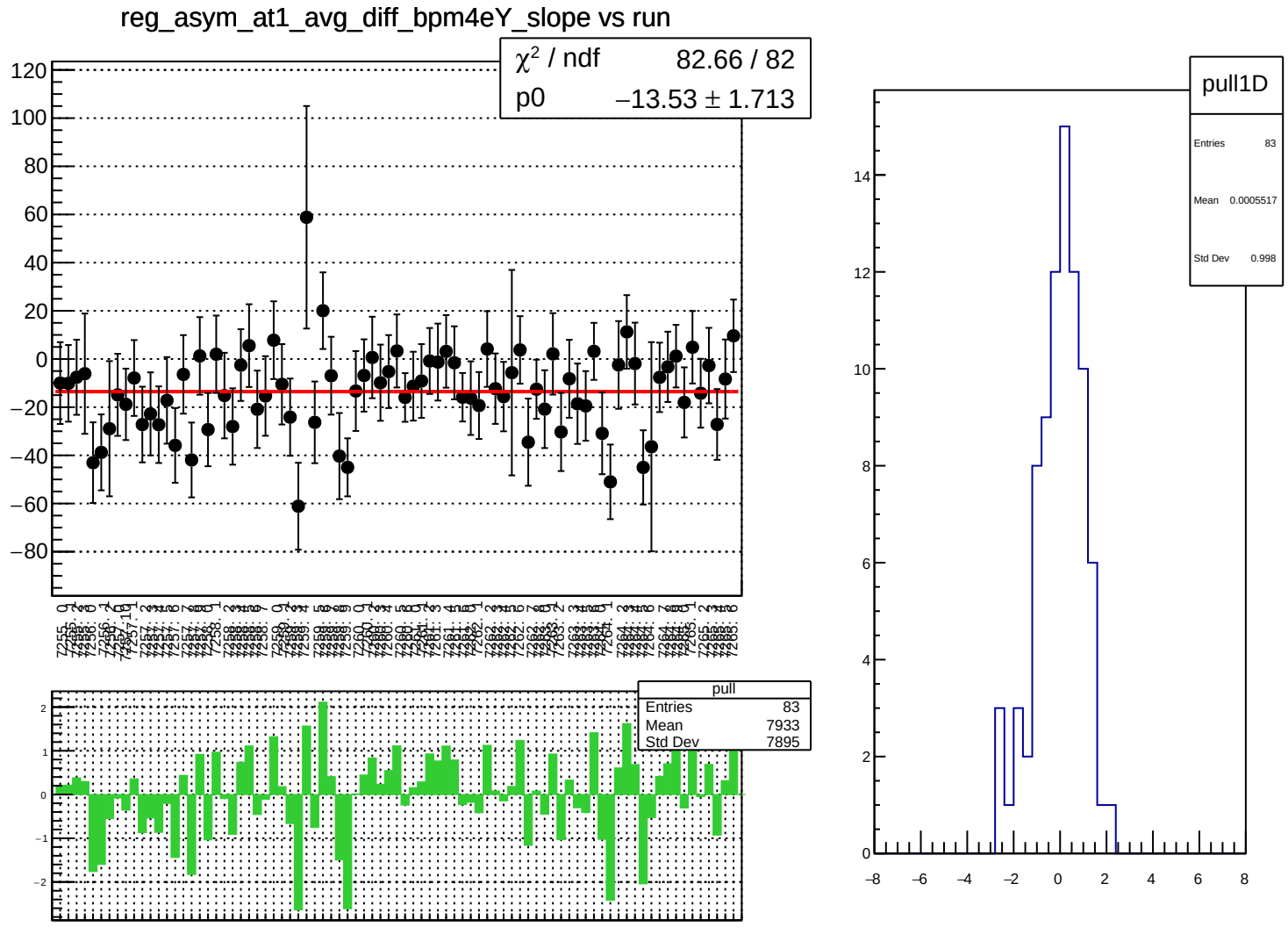

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 110.8 / 82
p0 −25.27 ± 1.827
pull
Entries 83
Mean −29.65
Std Dev 54.14

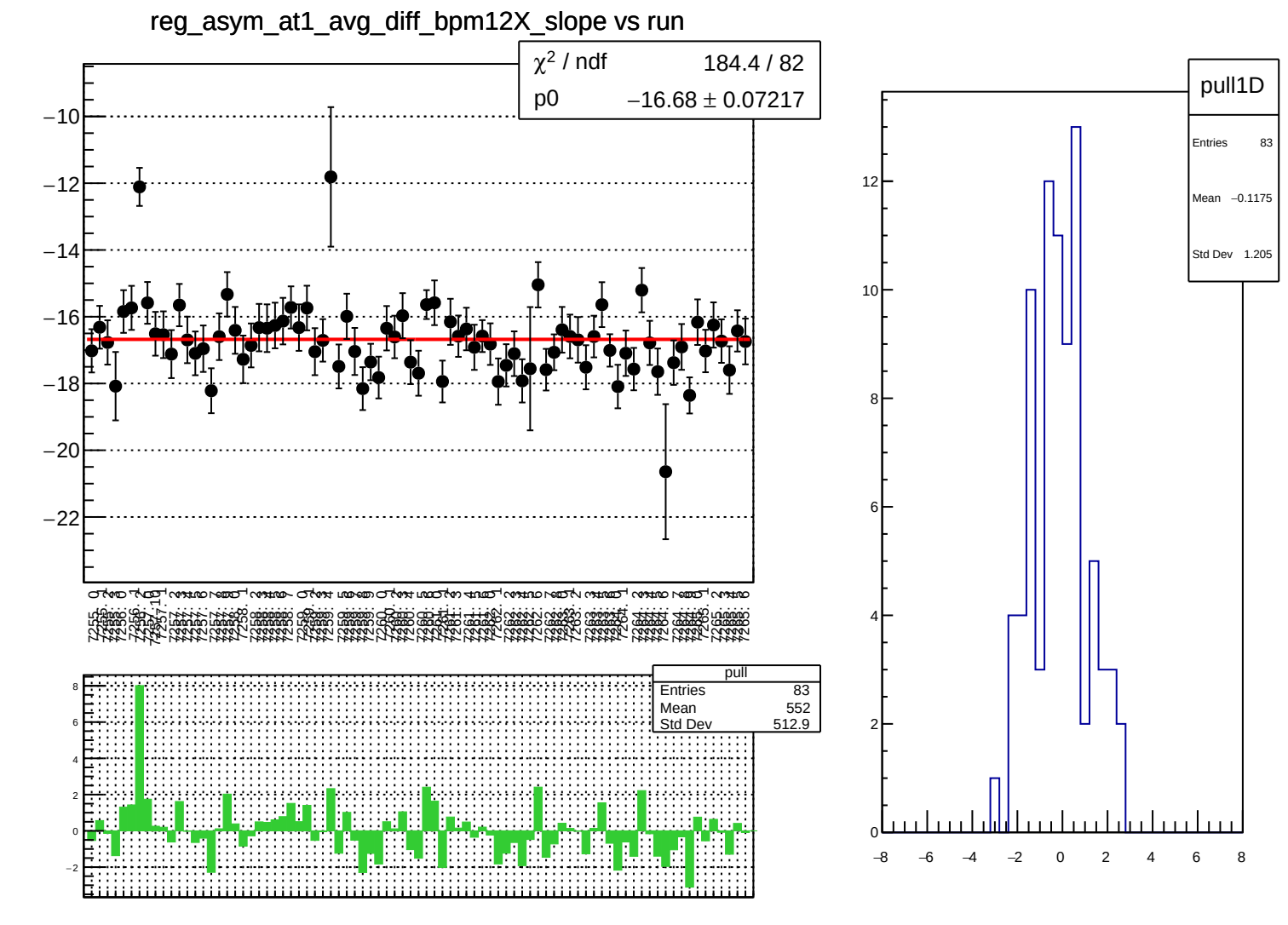

pull1D
Entries 83
Mean −0.08249
Std Dev 1.152

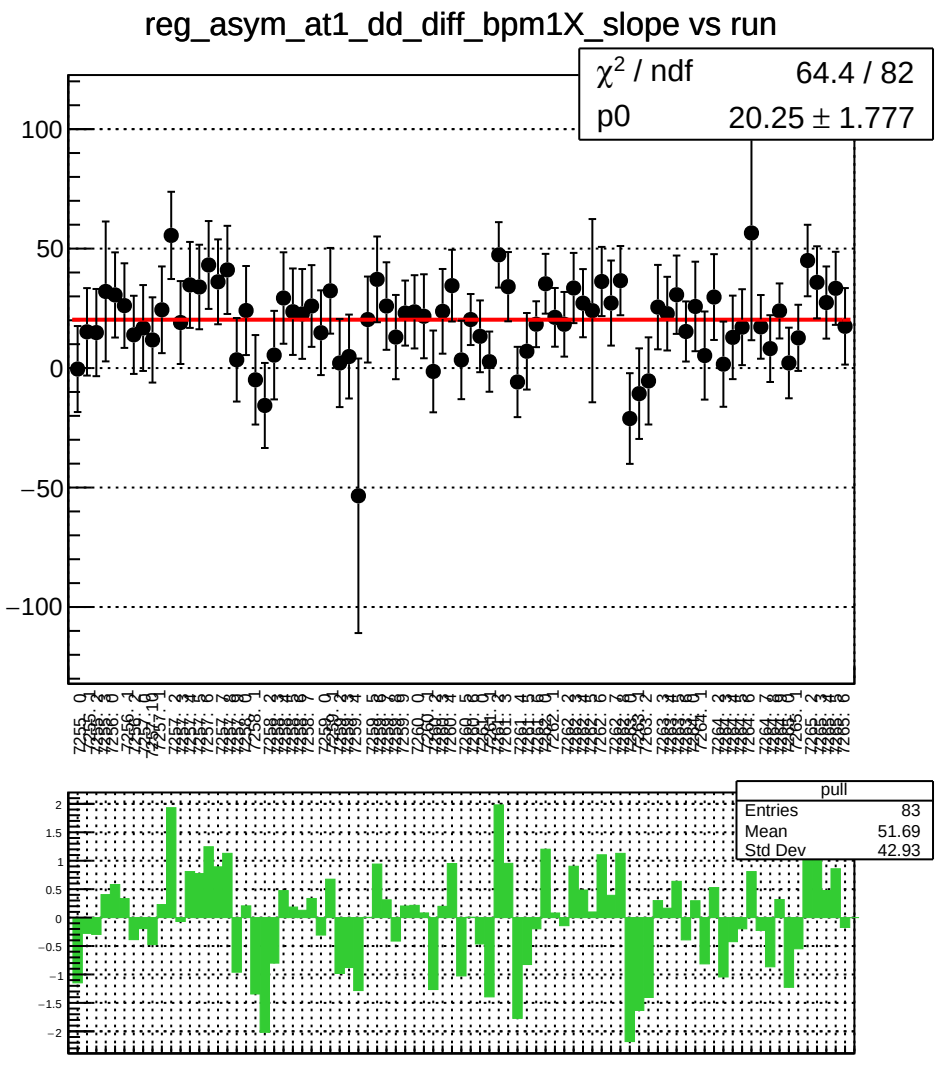

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 80.31 / 82
p0 5.541 ± 1.627
pull
Entries 83
Mean 749.2
Std Dev 708.4
pull1D
Entries 83
Mean −0.00476
Std Dev 0.9836

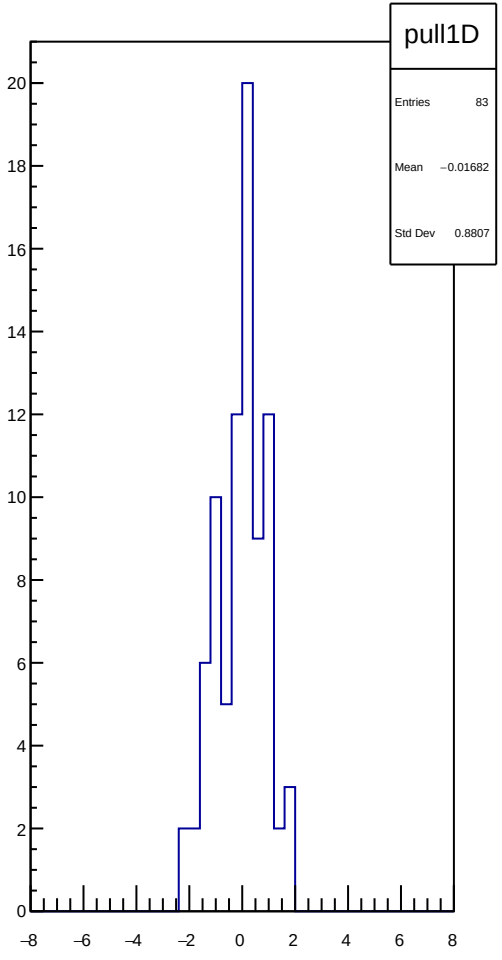

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 104.9 / 82
p0 16.53 ± 1.981
pull
Entries 83
Mean −26.38
Std Dev 50.21

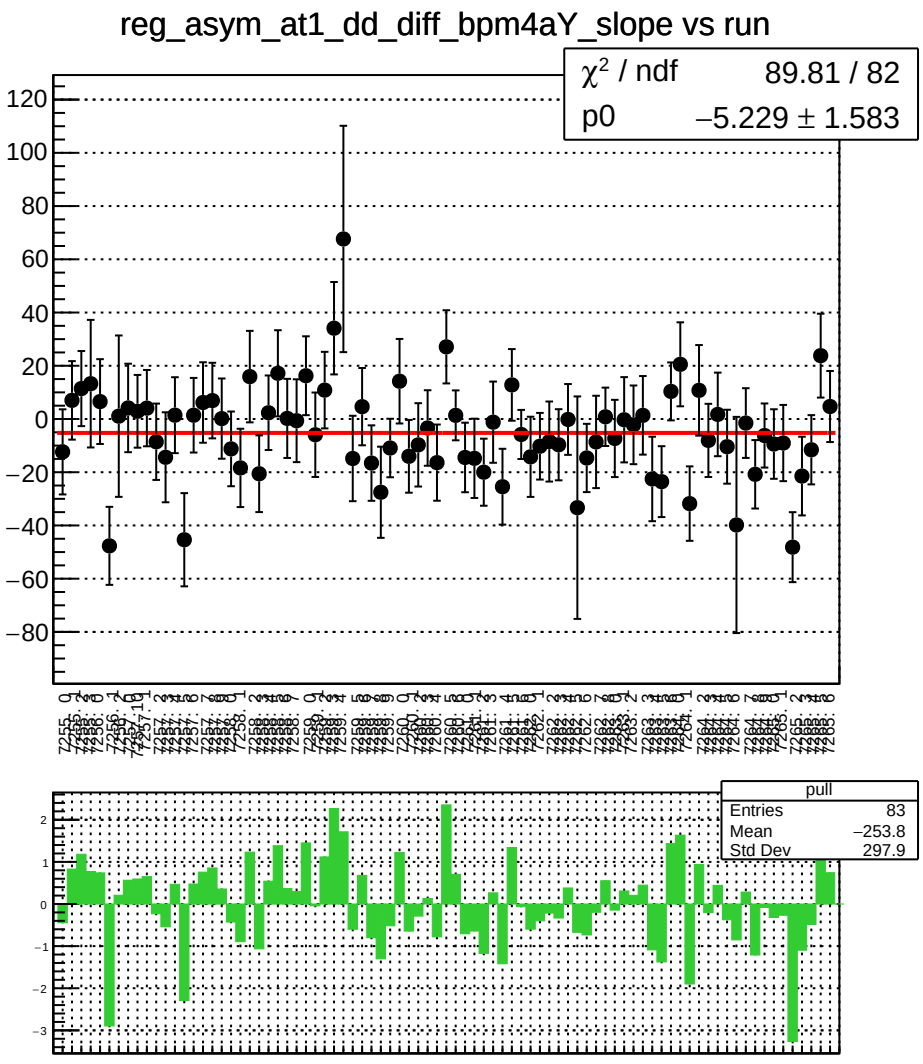

pull1D
Entries 83
Mean 0.08047
Std Dev 1.121

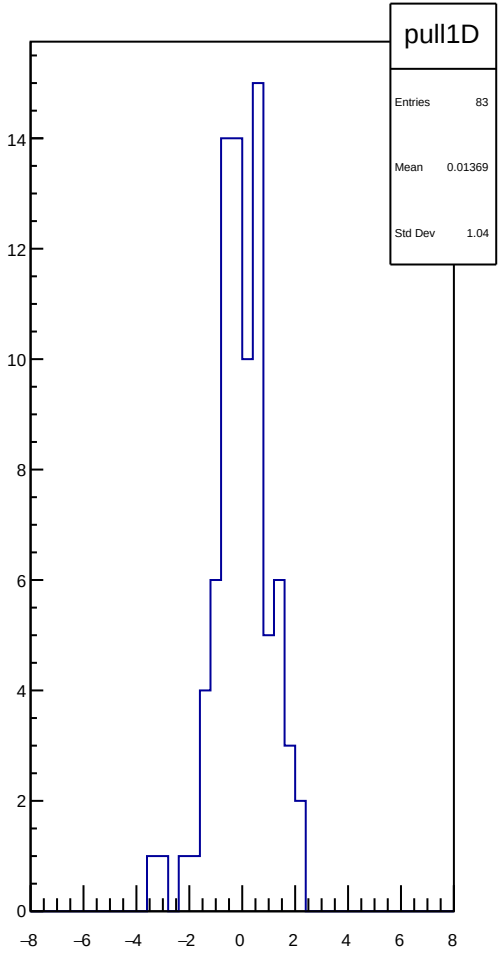

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.66 / 82
p0 −13.53 ± 1.713
pull
Entries 83
Mean 7933
Std Dev 7895
pull1D
Entries 83
Mean 0.0005517
Std Dev 0.998

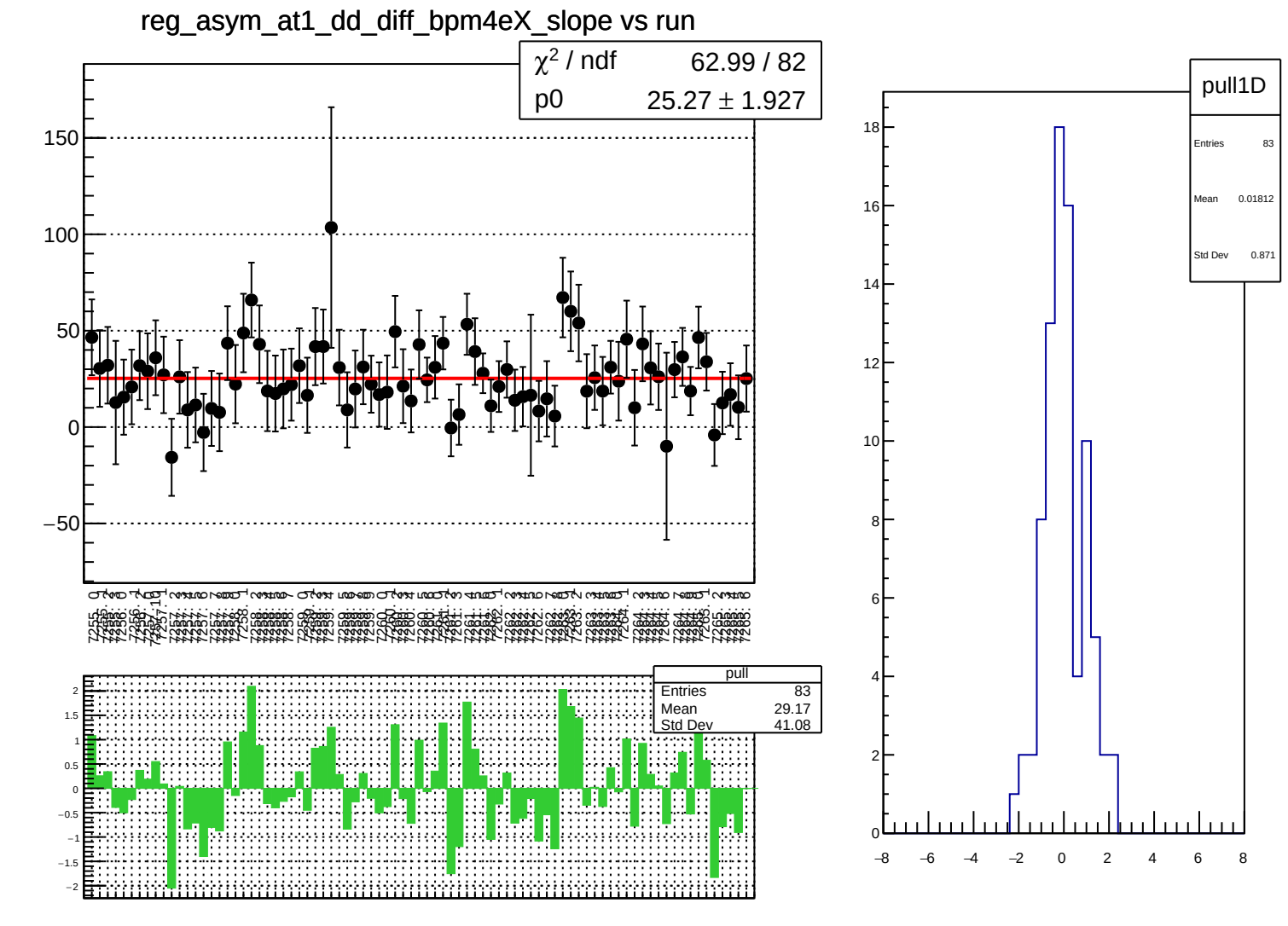

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 184.4 / 82
p0 −16.68 ± 0.07217
pull
Entries 83
Mean 552
Std Dev 512.9
pull1D
Entries 83
Mean −0.1175
Std Dev 1.205

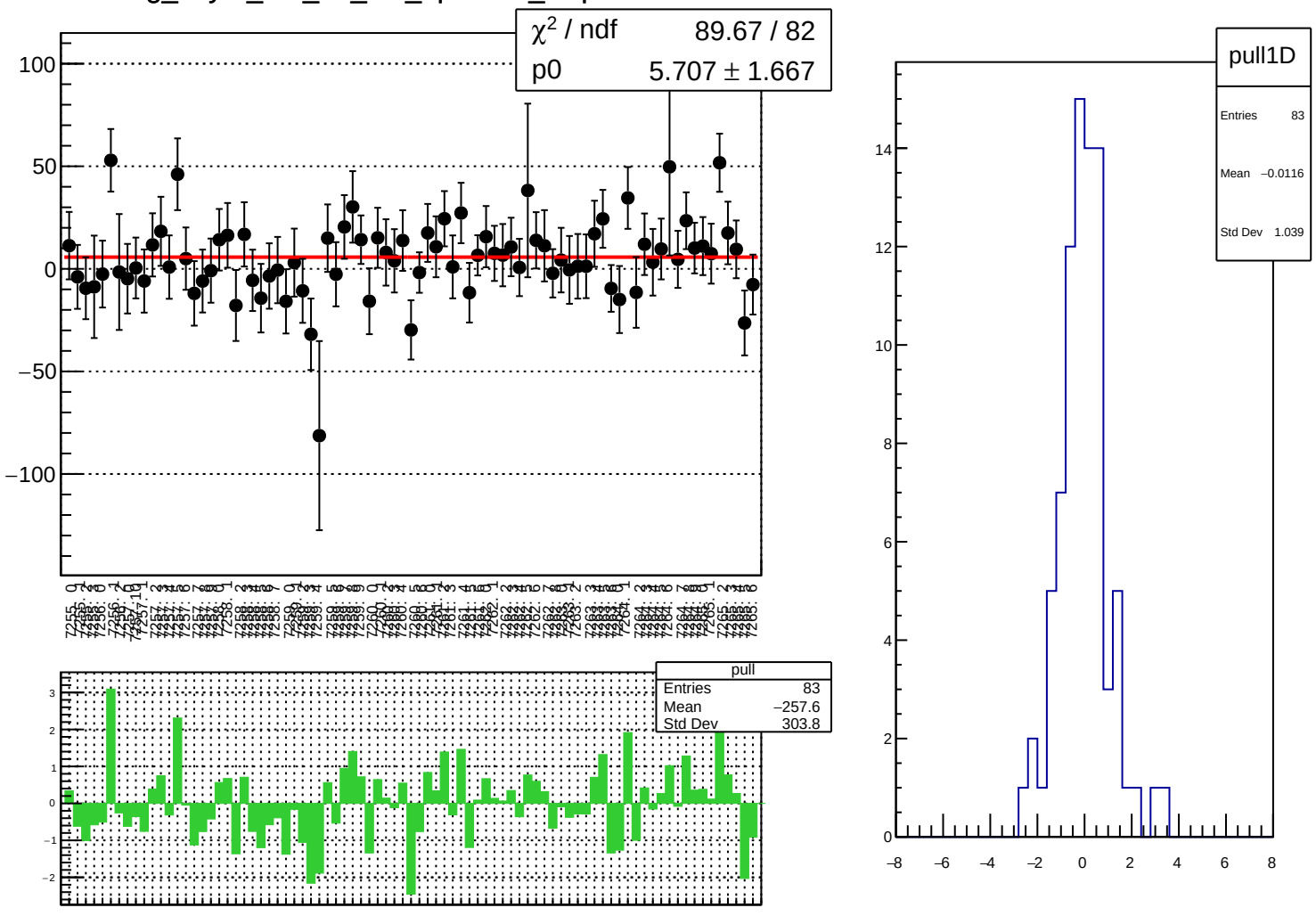

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 64.4 / 82
p0 20.25 ± 1.777
pull
Entries 83
Mean 51.69
Std Dev 42.93

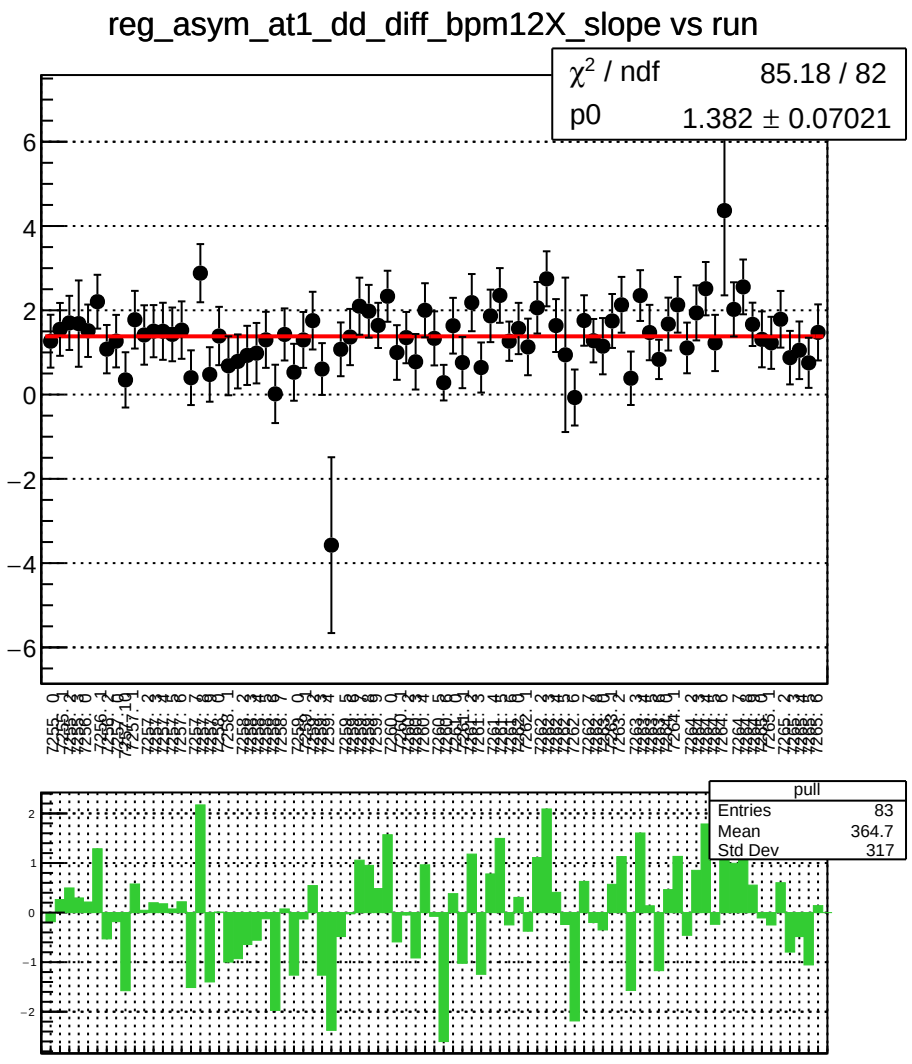

pull1D
Entries 83
Mean −0.01682
Std Dev 0.8807

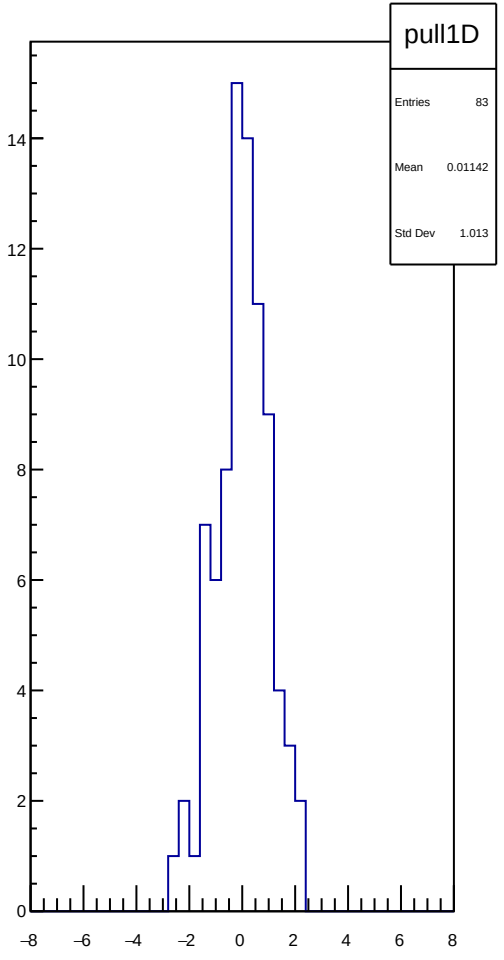

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 89.81 / 82
p0 −5.229 ± 1.583
pull
Entries 83
Mean −253.8
Std Dev 297.9

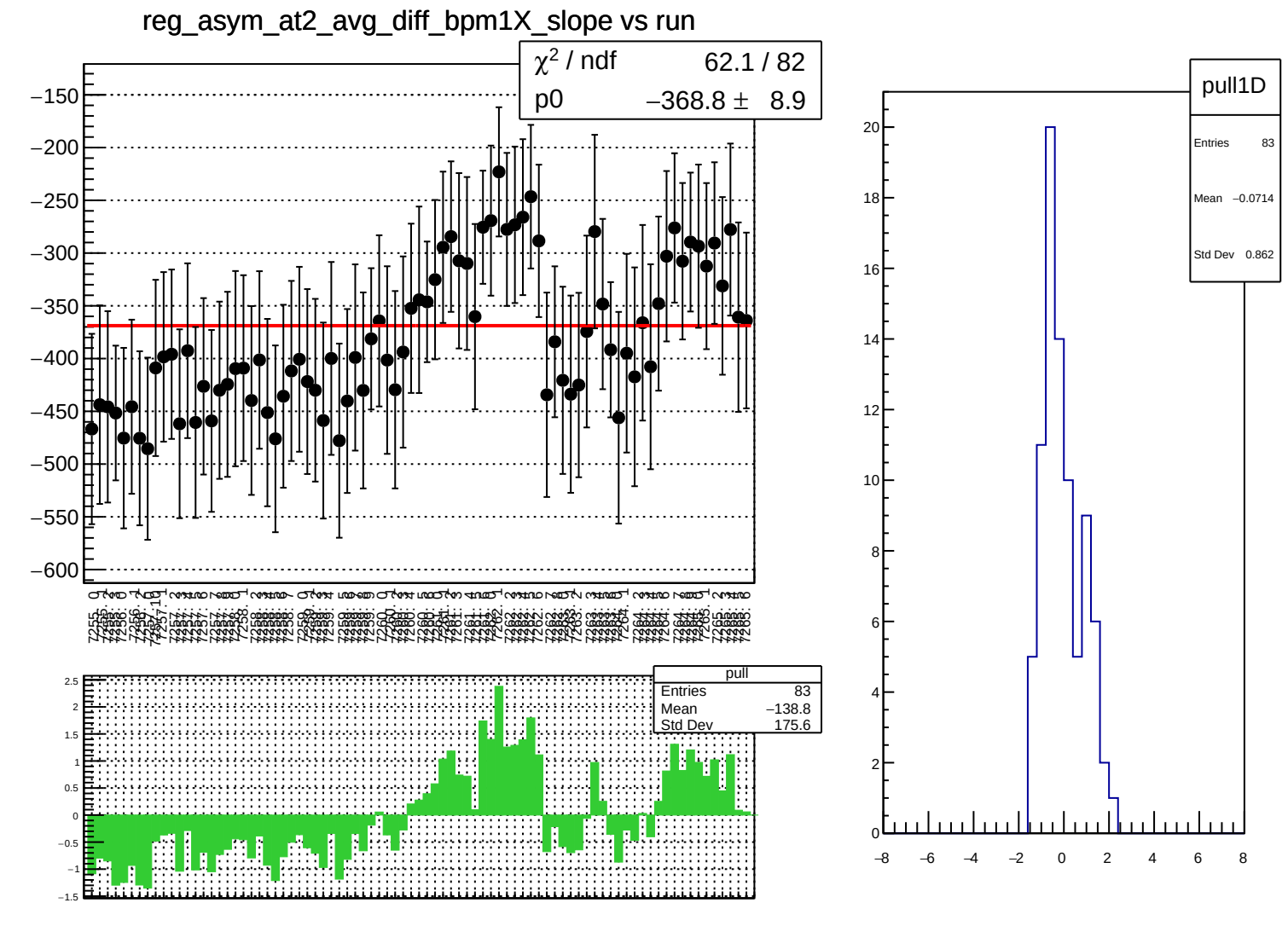

pull1D
Entries 83
Mean 0.01369
Std Dev 1.04

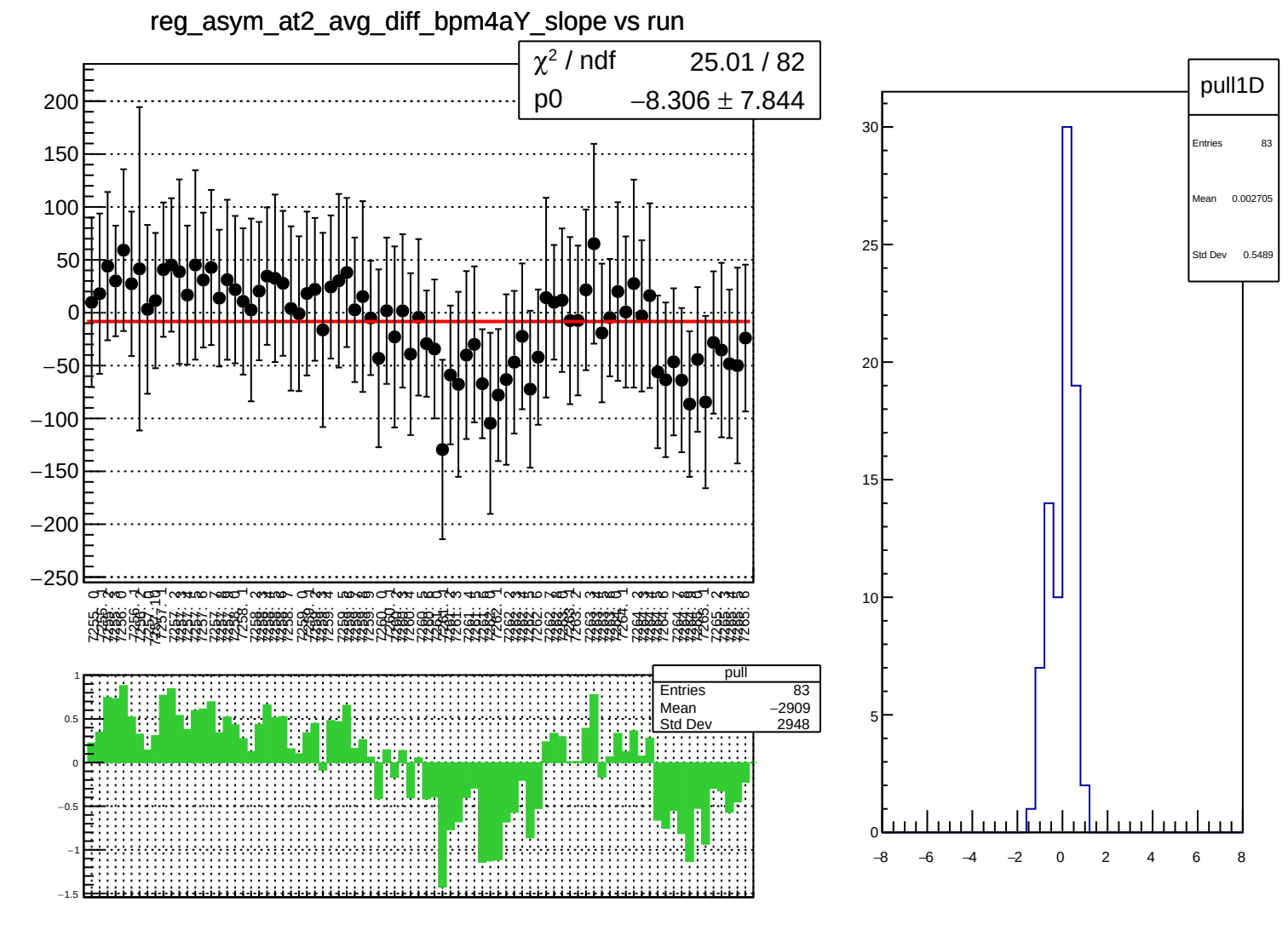

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.99 / 82
p0 25.27 ± 1.927
150
100
50
0
−50
pull
Entries 83
Mean 29.17
Std Dev 41.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean 0.01812
Std Dev 0.871
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

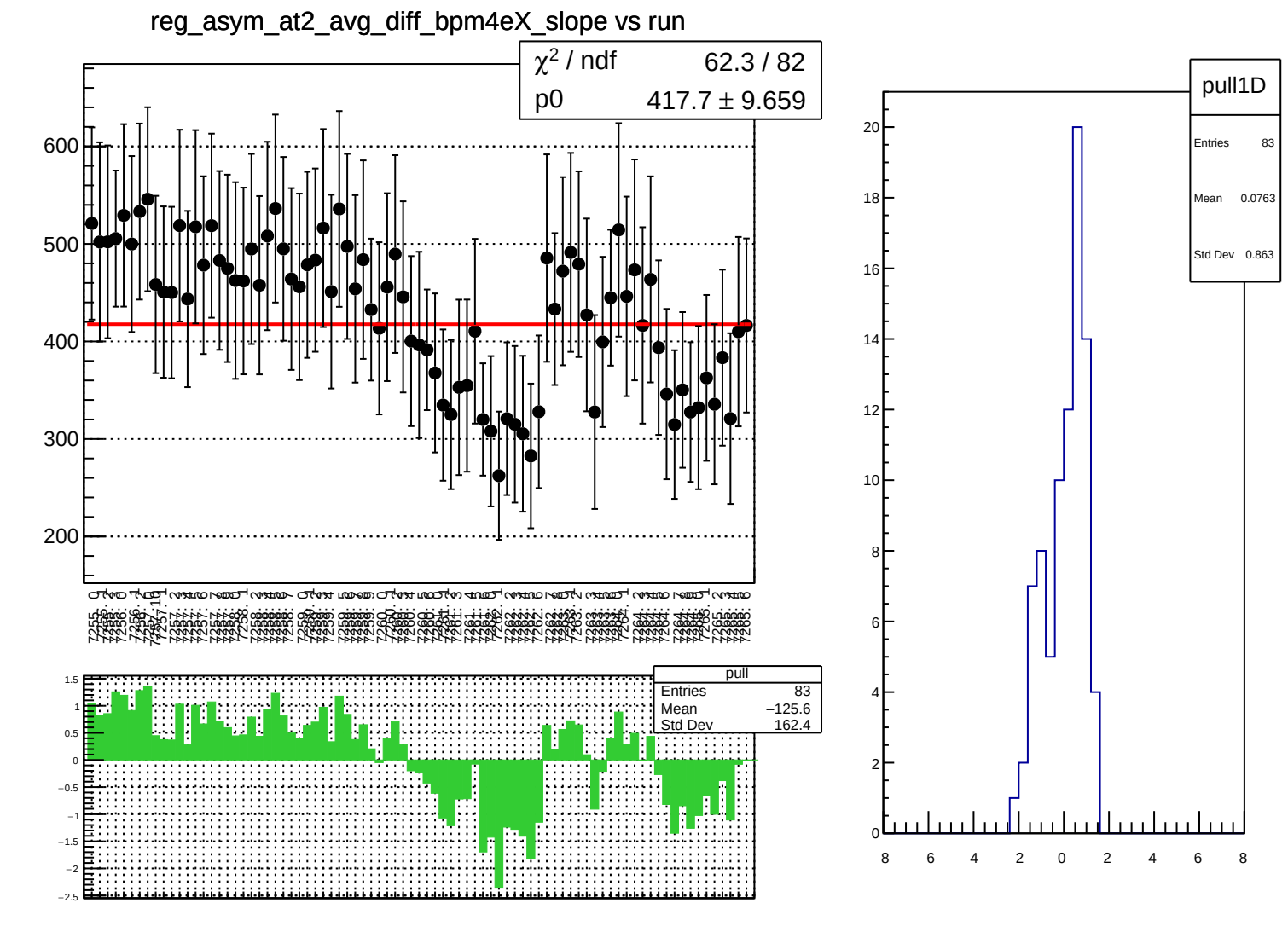

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.67 / 82
p0 5.707 ± 1.667
pull
Entries 83
Mean −257.6
Std Dev 303.8
pull1D
Entries 83
Mean −0.0116
Std Dev 1.039

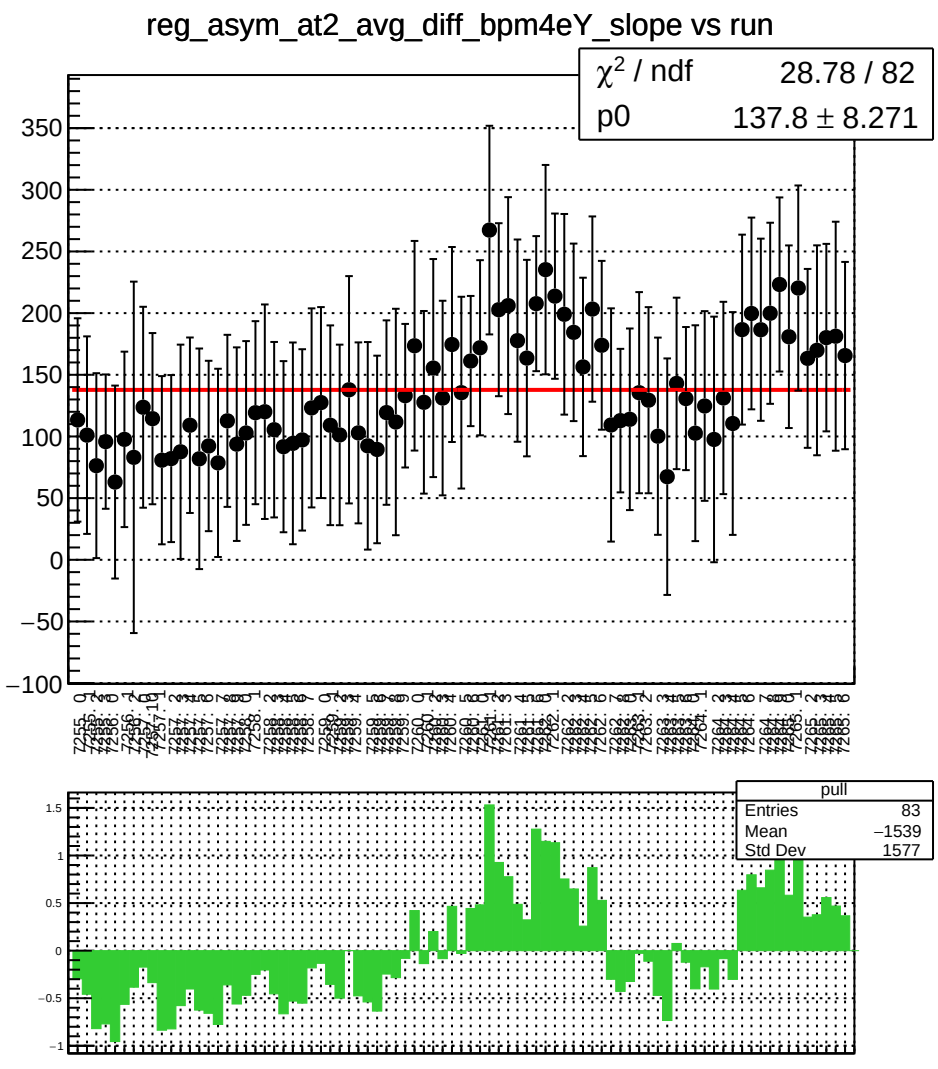

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 85.18 / 82
p0 1.382 ± 0.07021
pull
Entries 83
Mean 364.7
Std Dev 317

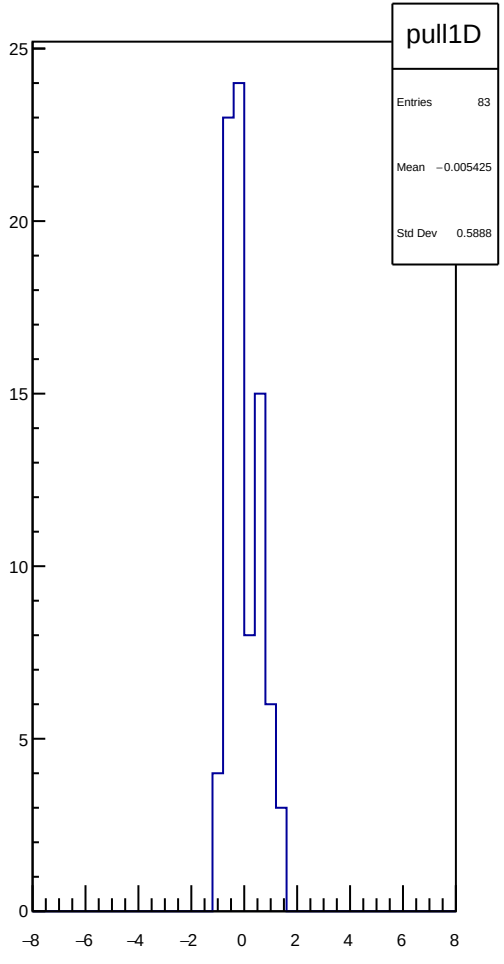

pull1D
Entries 83
Mean 0.01142
Std Dev 1.013

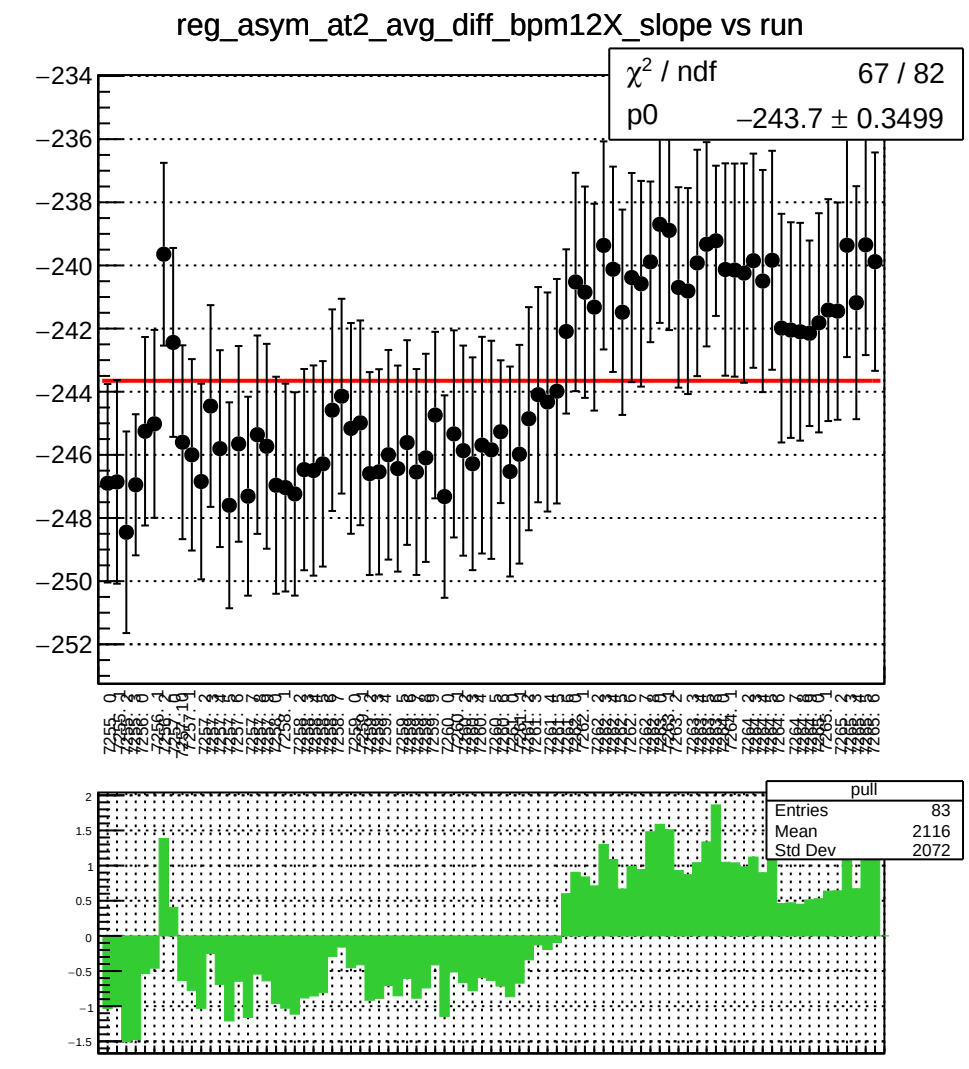

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 62.1 / 82
p0 −368.8 ± 8.9
pull
Entries 83
Mean −138.8
Std Dev 175.6
pull1D
Entries 83
Mean −0.0714
Std Dev 0.862

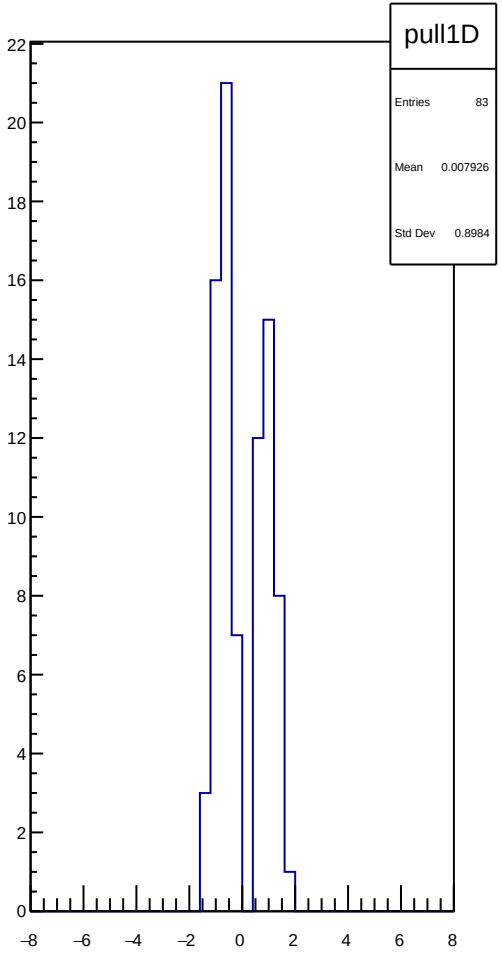

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.01 / 82
p0 −8.306 ± 7.844
pull
Entries 83
Mean −2909
Std Dev 2948
pull1D
Entries 83
Mean 0.002705
Std Dev 0.5489

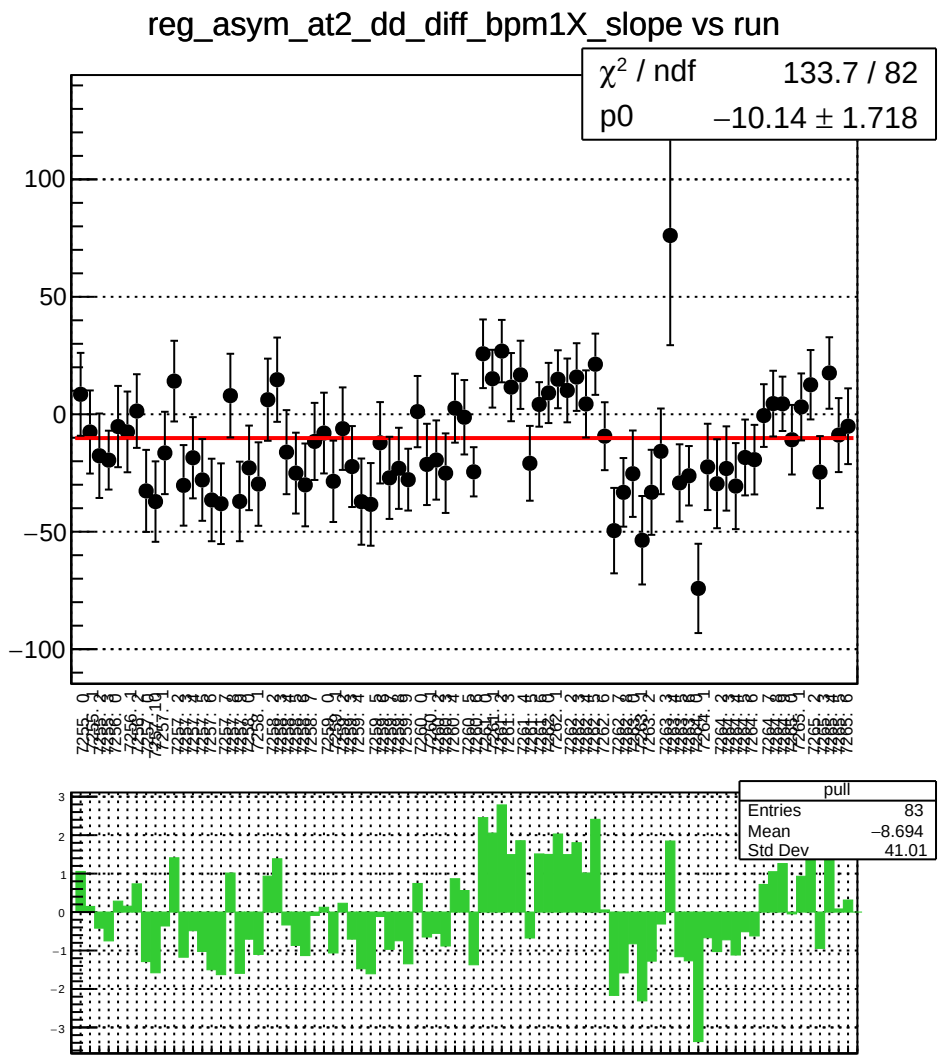

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 62.3 / 82
p0 417.7 ± 9.659
pull
Entries 83
Mean −125.6
Std Dev 162.4
pull1D
Entries 83
Mean 0.0763
Std Dev 0.863

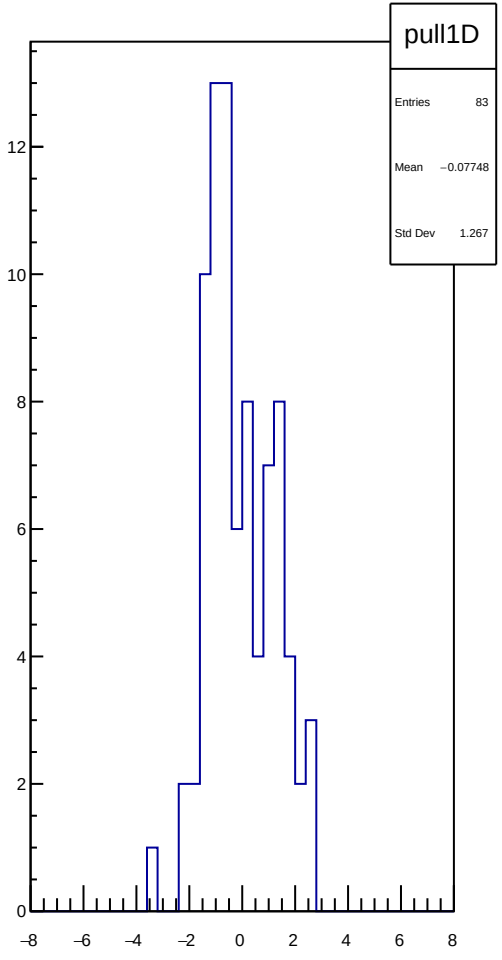

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.78 / 82
p0 137.8 ± 8.271
pull
Entries 83
Mean −1539
Std Dev 1577

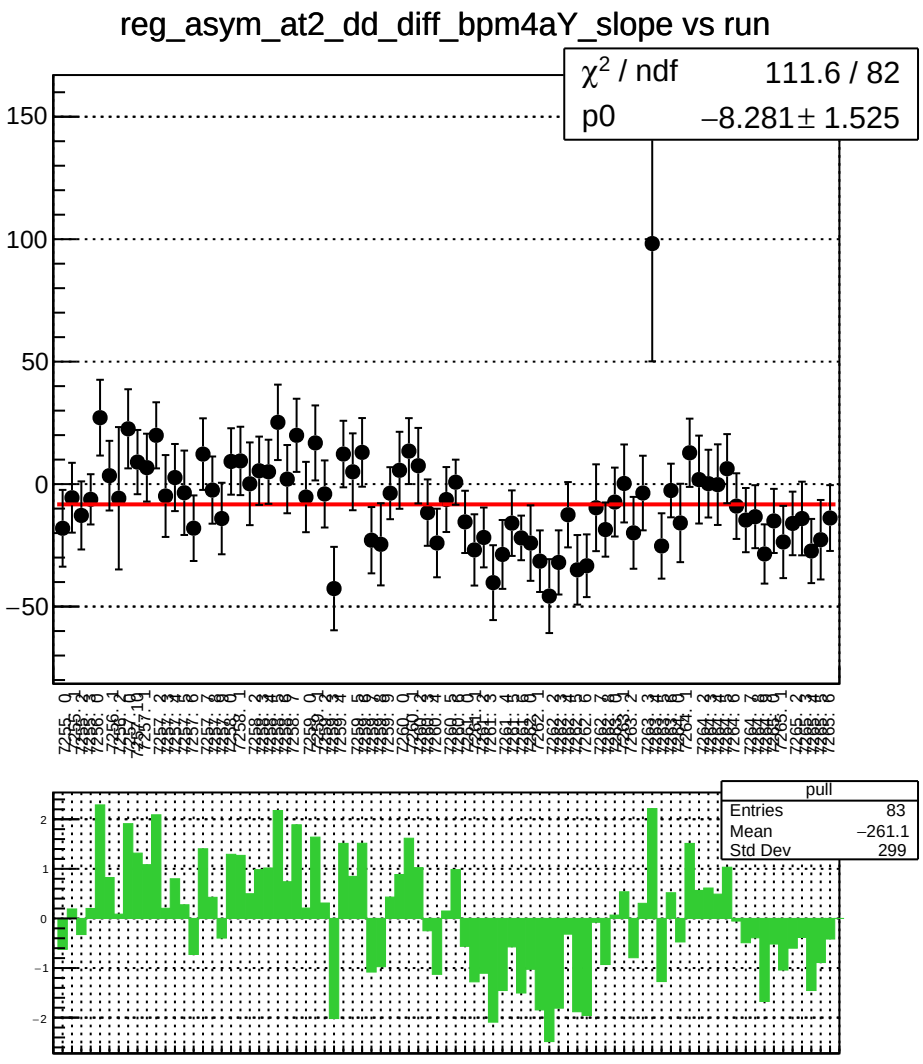

pull1D
Entries 83
Mean −0.005425
Std Dev 0.5888

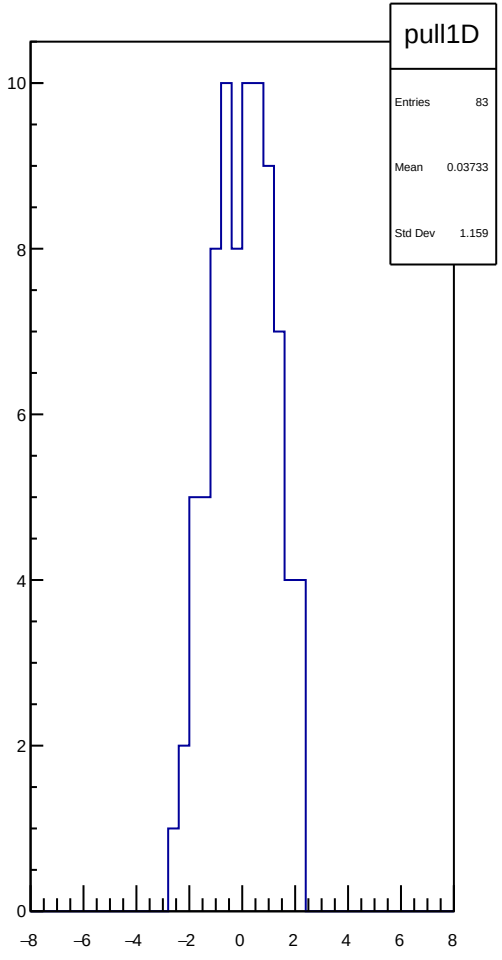

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 67 / 82
p0 −243.7 ± 0.3499
pull
Entries 83
Mean 2116
Std Dev 2072

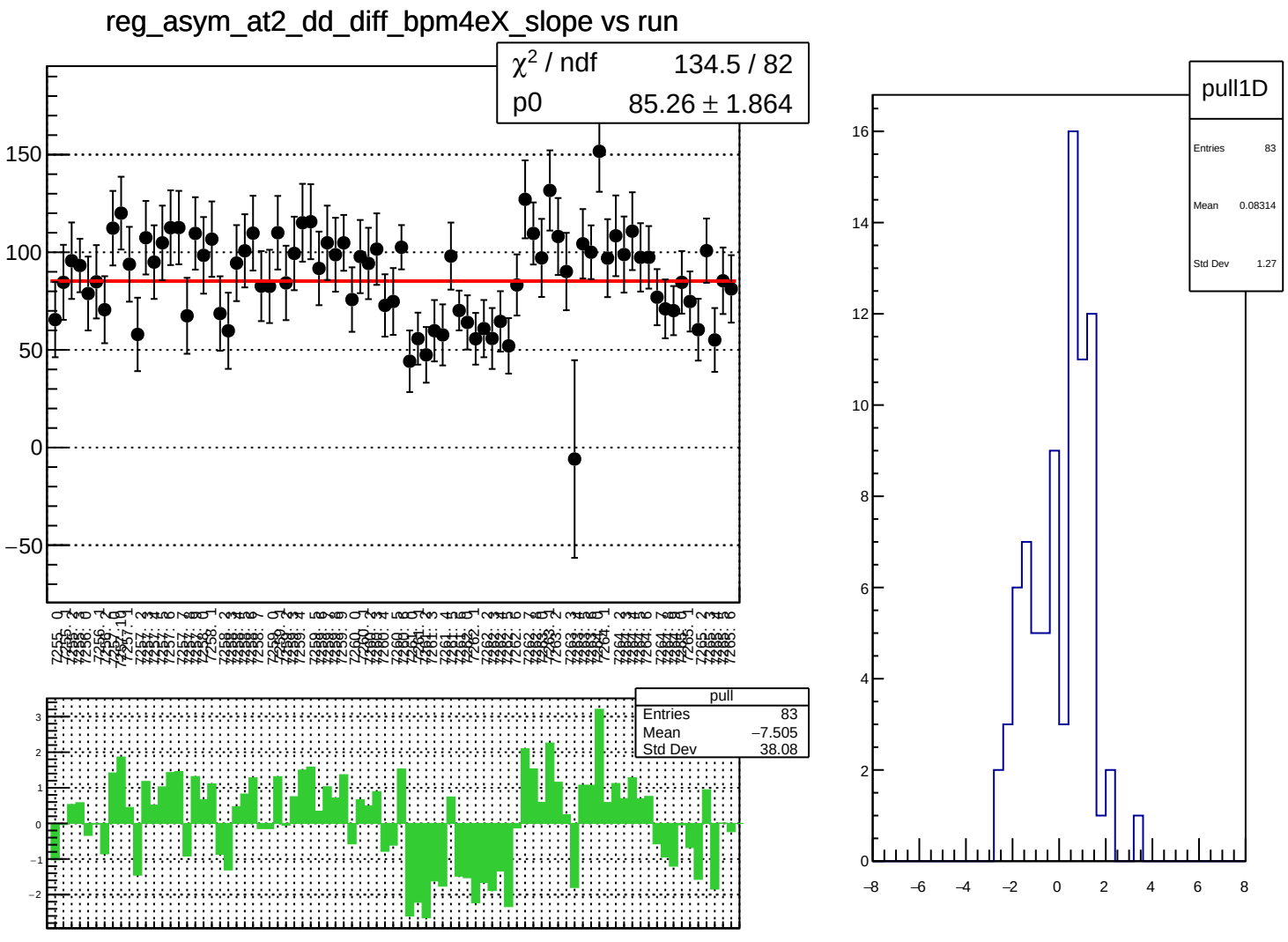

pull1D
Entries 83
Mean 0.007926
Std Dev 0.8984

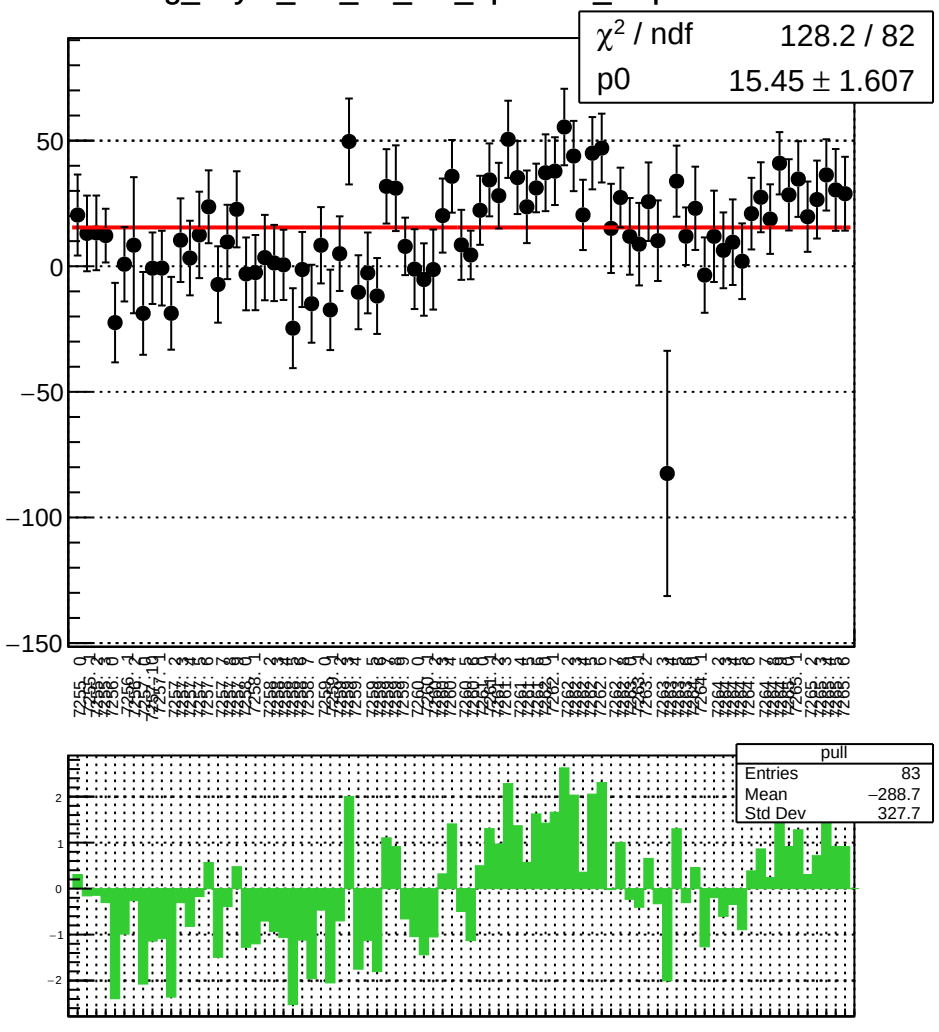

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 133.7 / 82
p0 −10.14 ± 1.718
pull
Entries 83
Mean −8.694
Std Dev 41.01

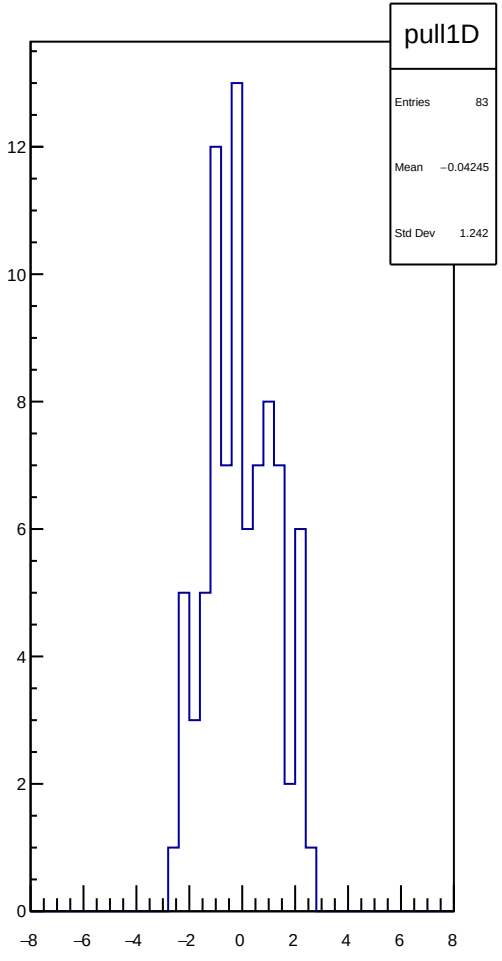

pull1D
Entries 83
Mean −0.07748
Std Dev 1.267

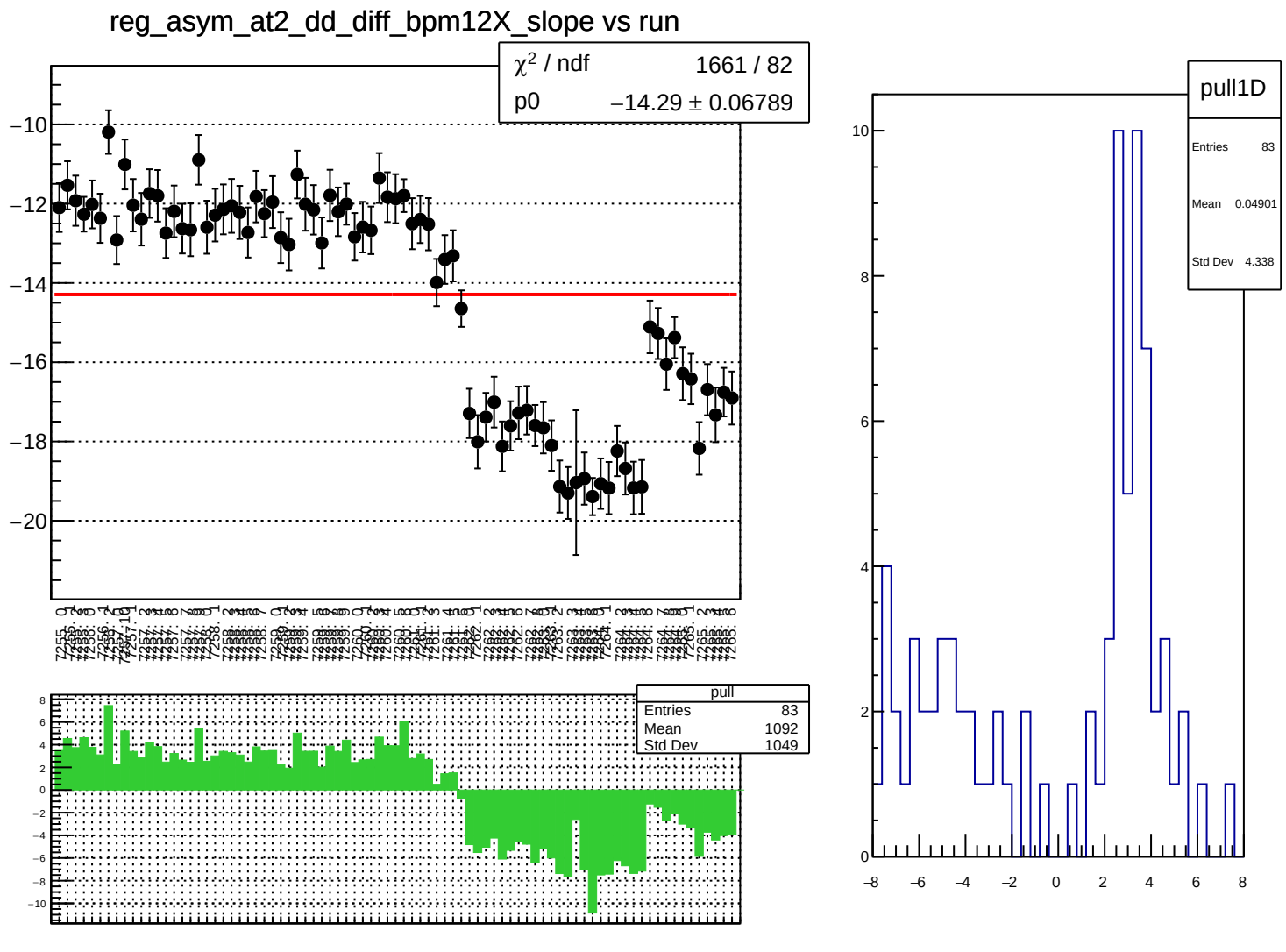

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 111.6 / 82
p0 −8.281 ± 1.525
150
100
50
0
−50
pull
Entries 83
Mean −261.1
Std Dev 299
2
1
0
−1
−2

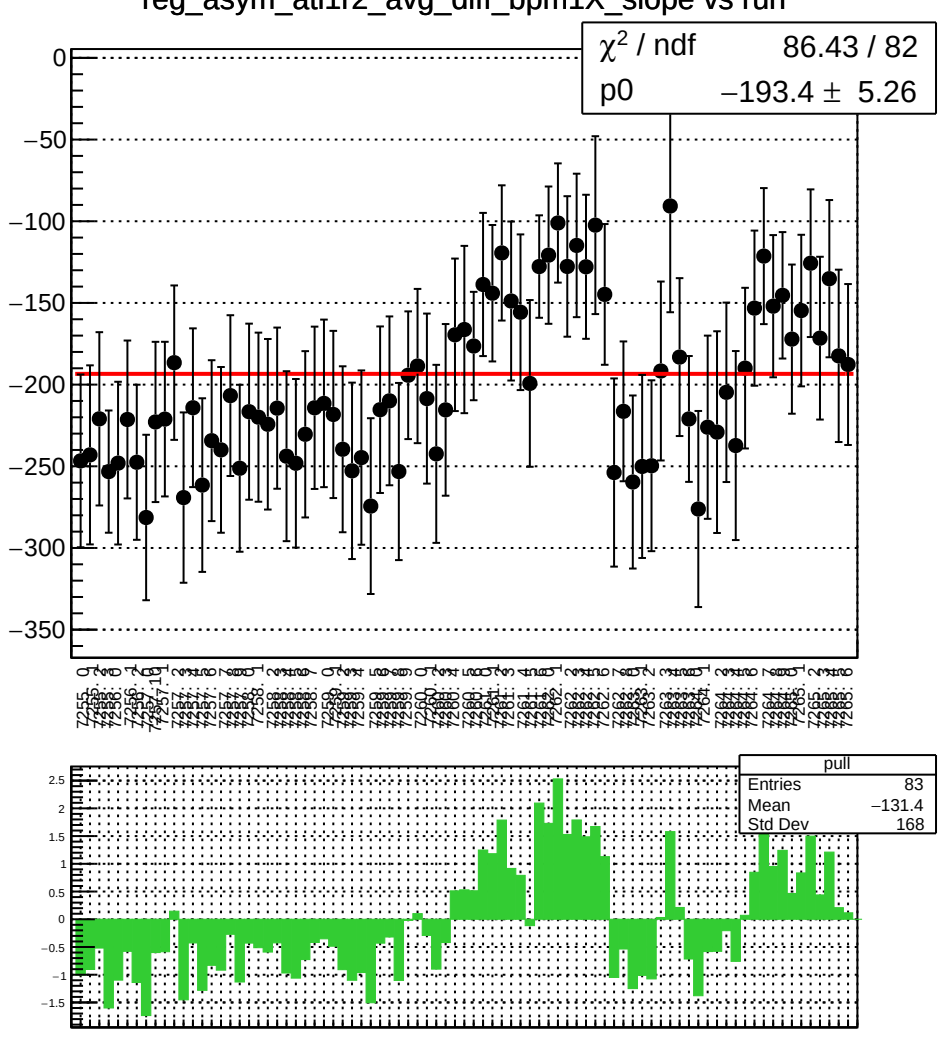

pull1D
Entries 83
Mean 0.03733
Std Dev 1.159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

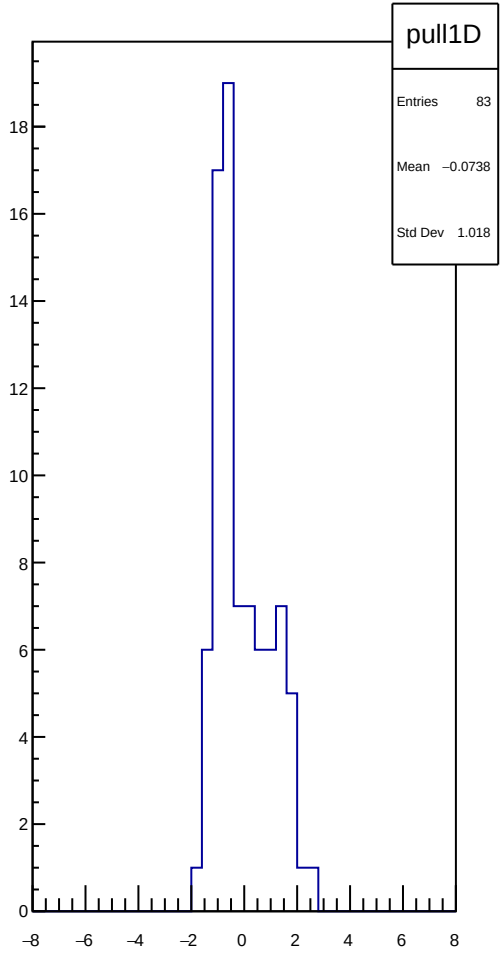

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.5 / 82
p0 85.26 ± 1.864
150
100
50
0
−50
pull
Entries 83
Mean −7.505
Std Dev 38.08
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.08314
Std Dev 1.27
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

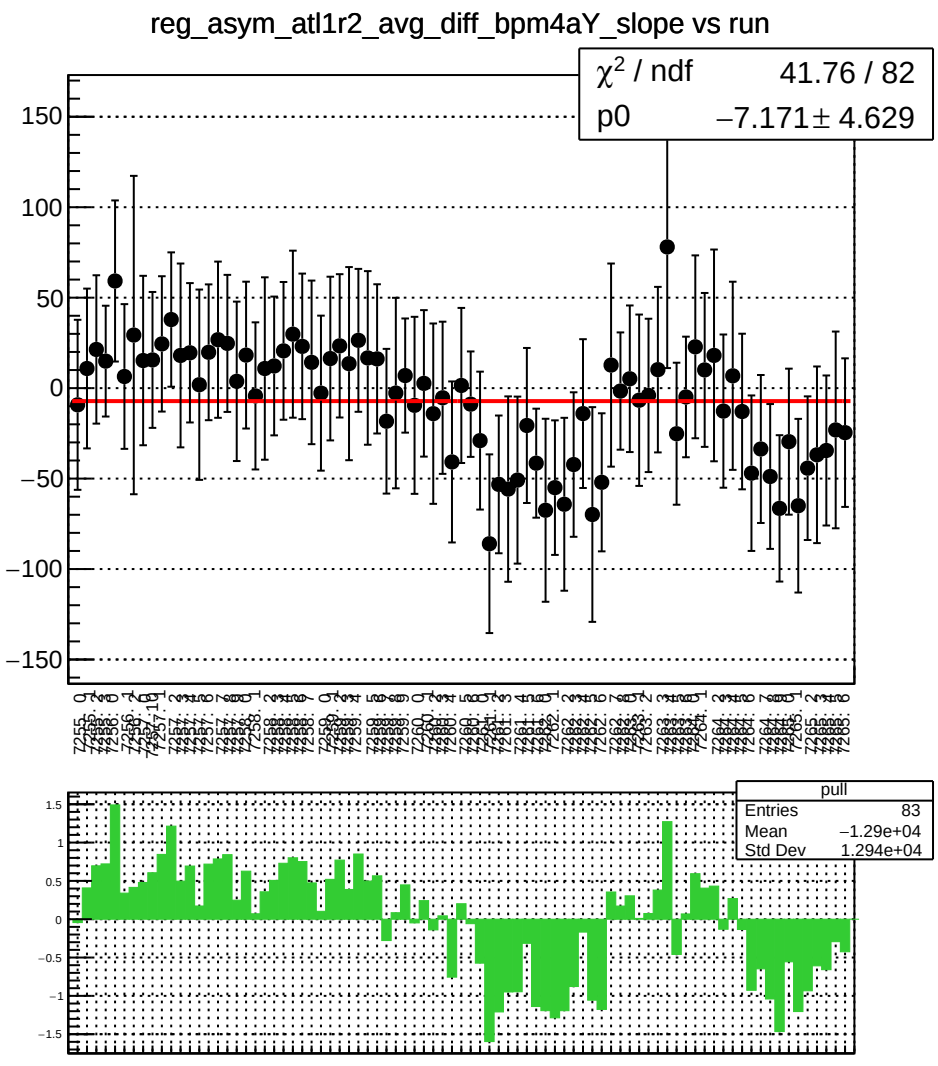

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 128.2 / 82
p0 15.45 ± 1.607
pull
Entries 83
Mean −288.7
Std Dev 327.7

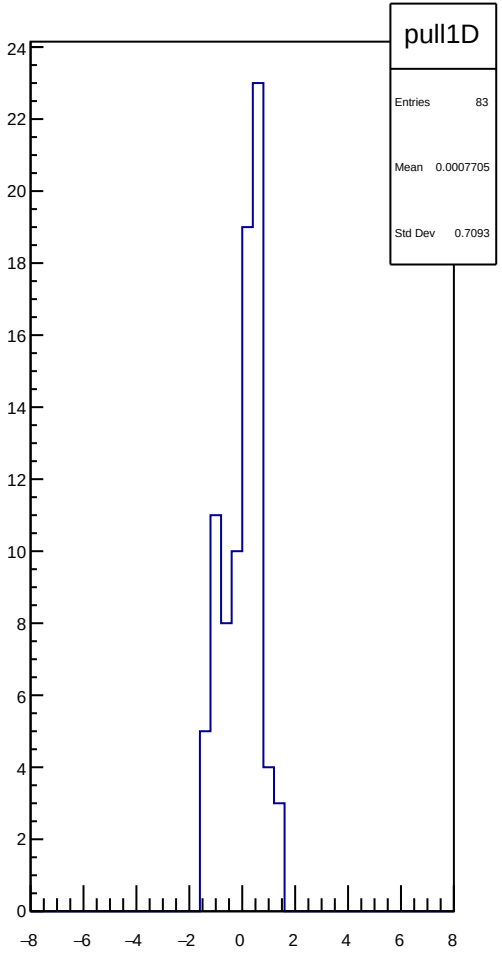

pull1D
Entries 83
Mean −0.04245
Std Dev 1.242

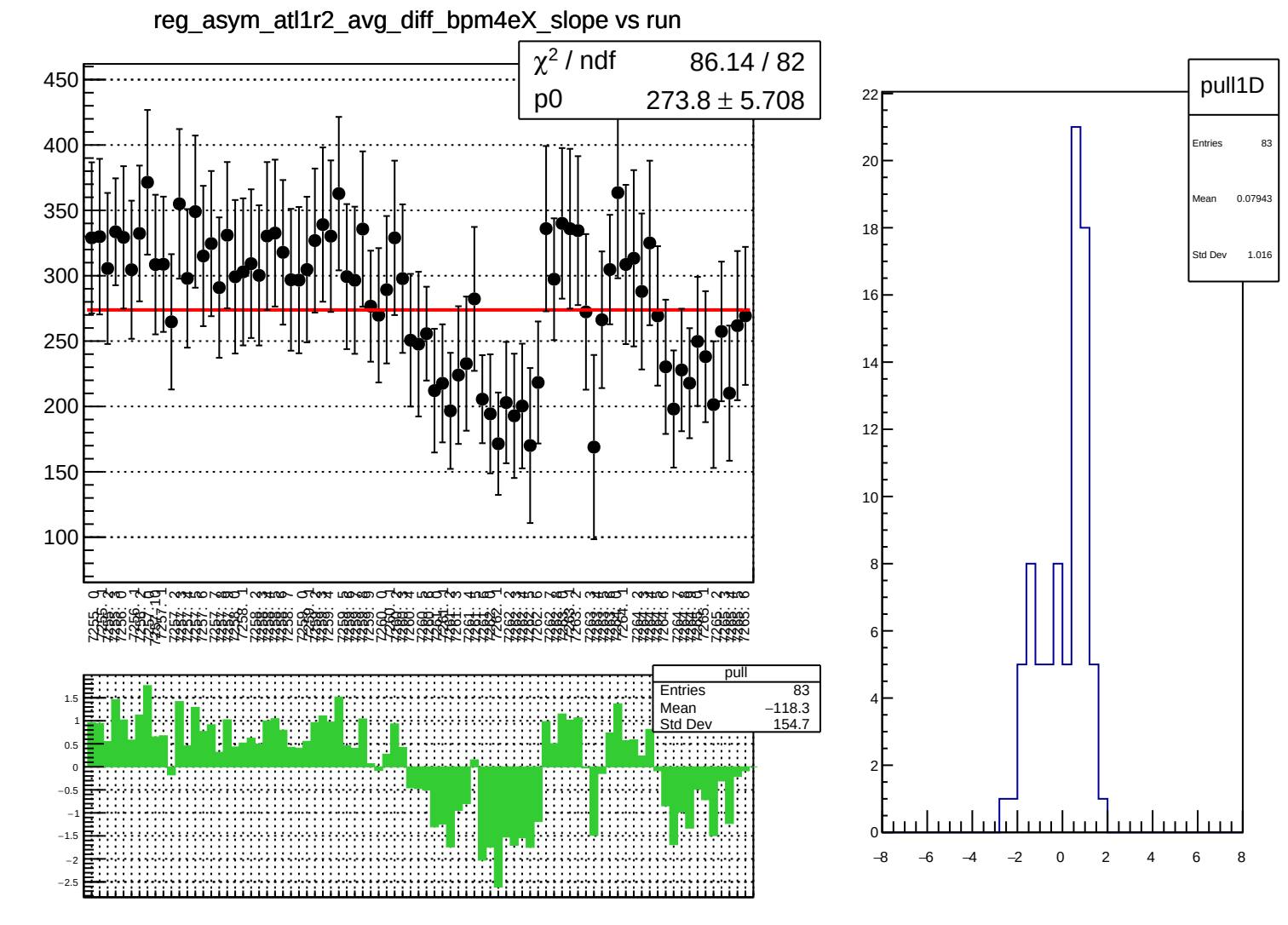

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1661 / 82
p0 −14.29 ± 0.06789
pull
Entries 83
Mean 1092
Std Dev 1049
pull1D
Entries 83
Mean 0.04901
Std Dev 4.338

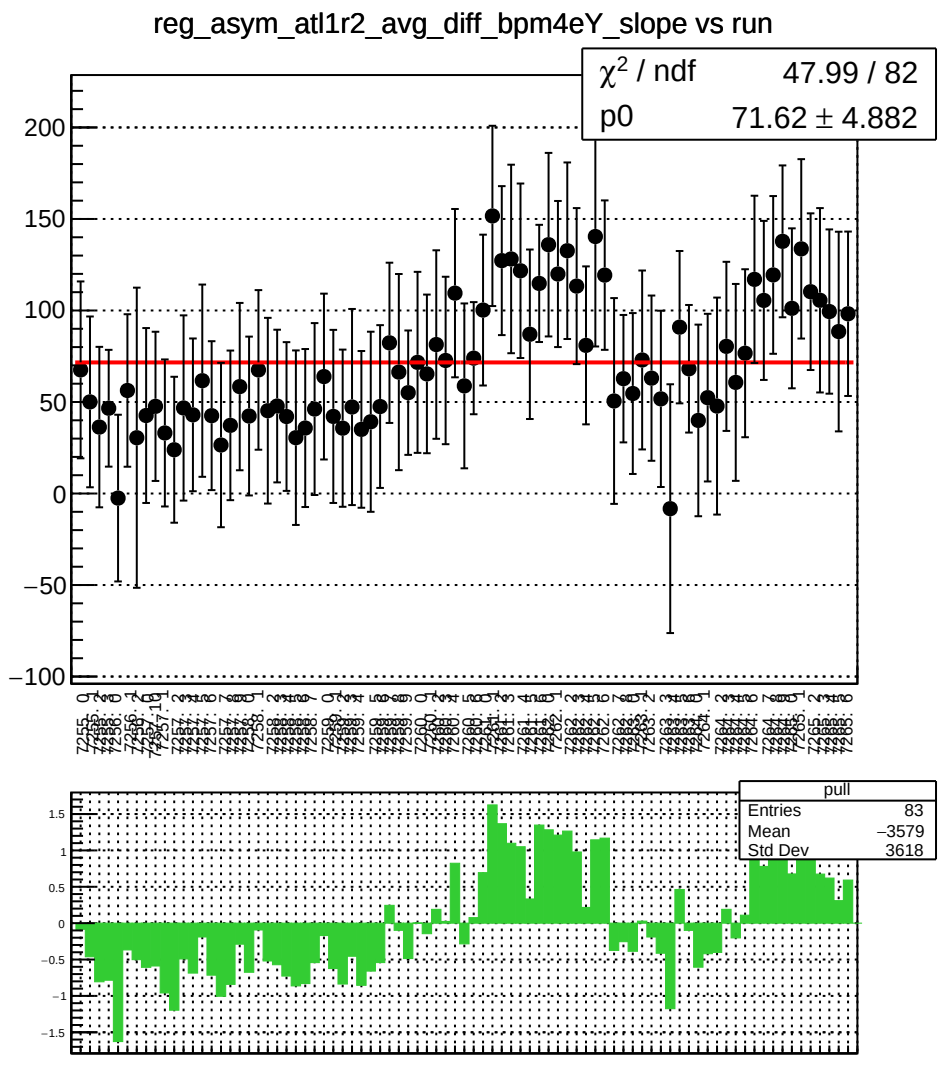

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 86.43 / 82
p0 −193.4 ± 5.26
pull
Entries 83
Mean −131.4
Std Dev 168

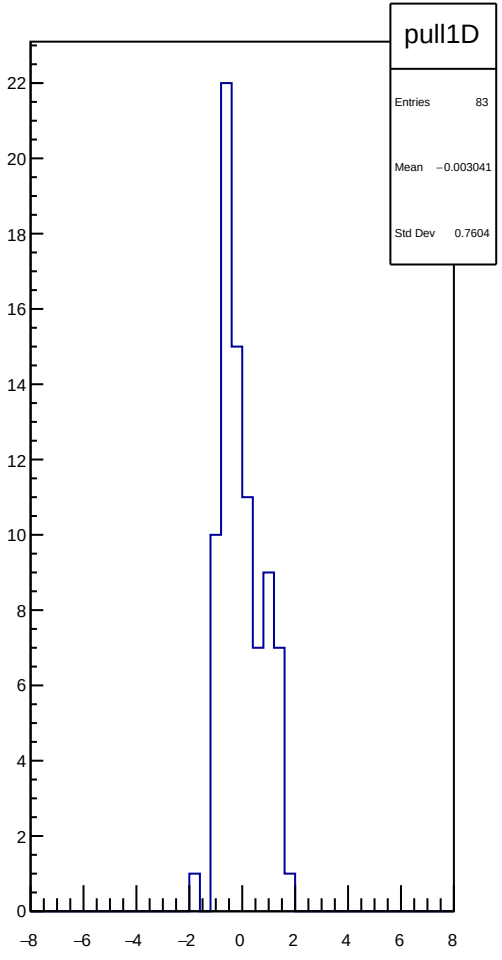

pull1D
Entries 83
Mean −0.0738
Std Dev 1.018

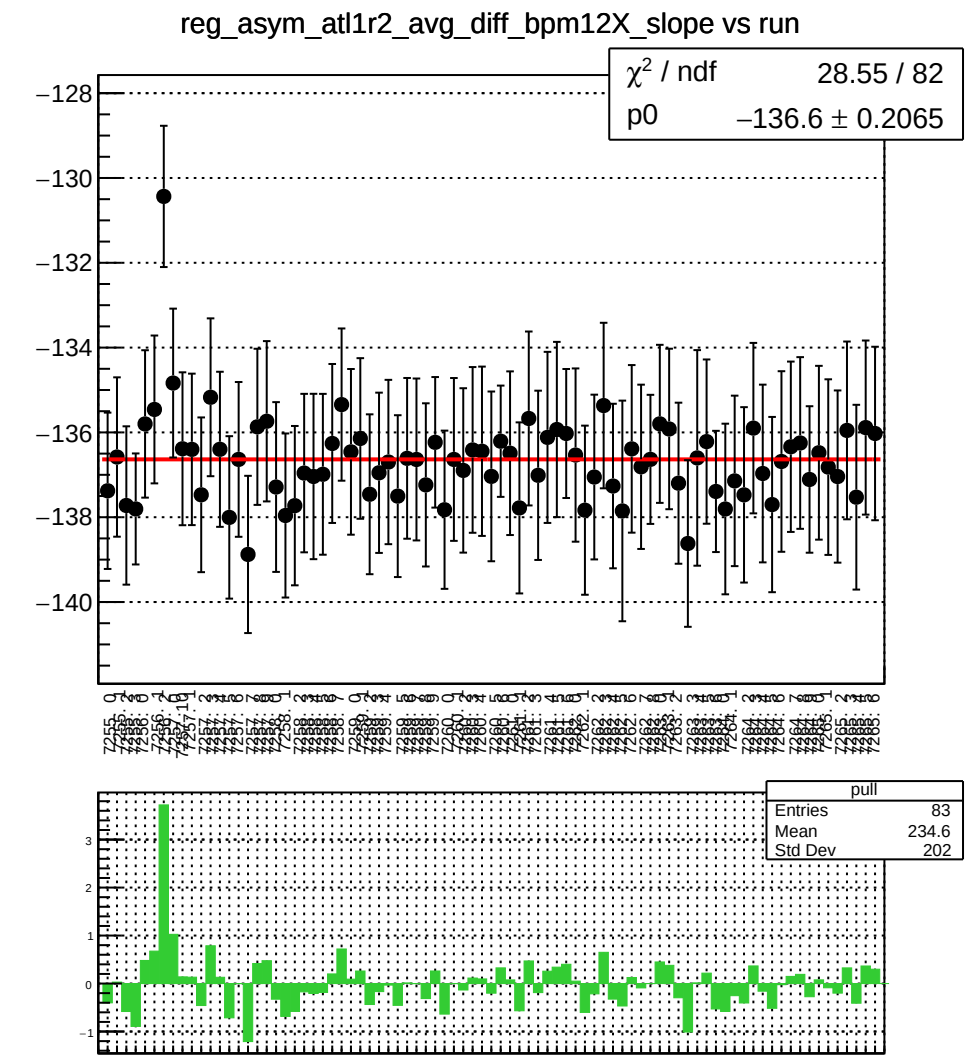

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.76 / 82
p0 −7.171 ± 4.629
pull
Entries 83
Mean −1.29e+04
Std Dev 1.294e+04

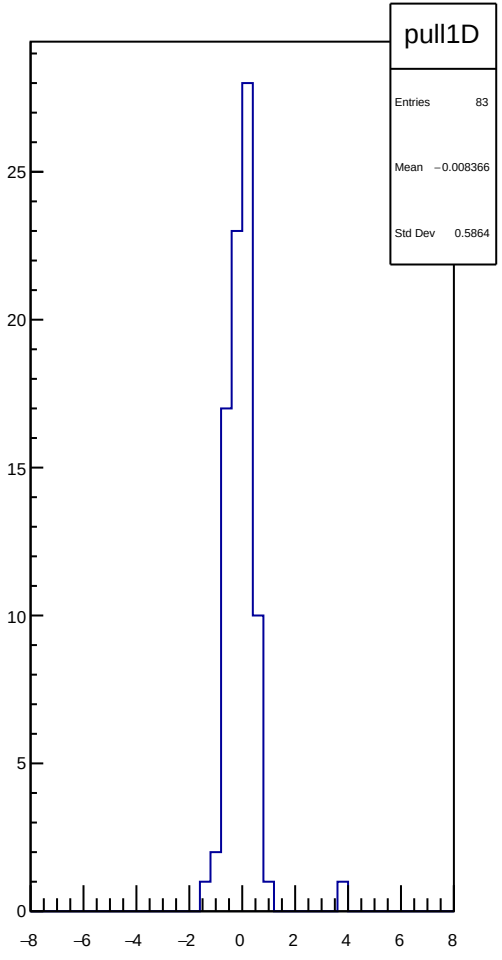

pull1D
Entries 83
Mean 0.0007705
Std Dev 0.7093

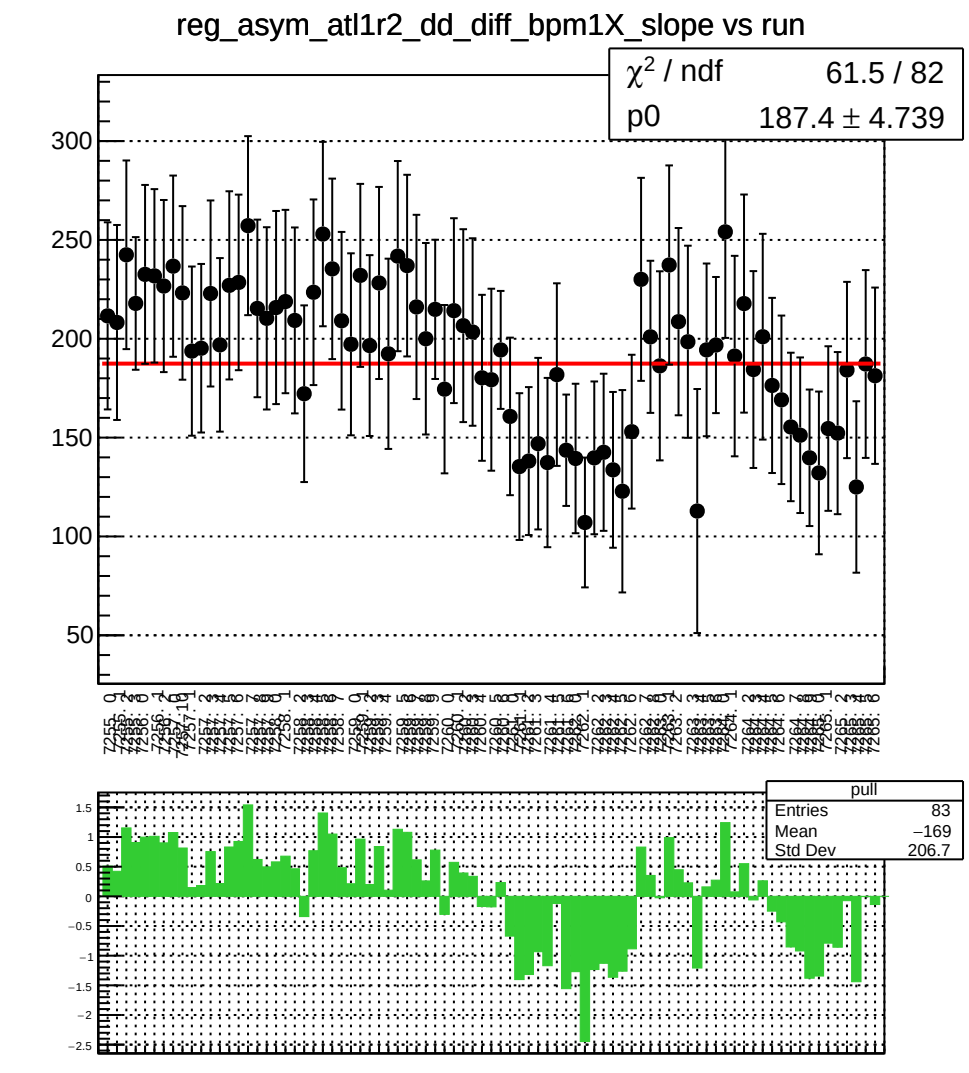

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.14 / 82
p0 273.8 ± 5.708
pull
Entries 83
Mean −118.3
Std Dev 154.7
pull1D
Entries 83
Mean 0.07943
Std Dev 1.016

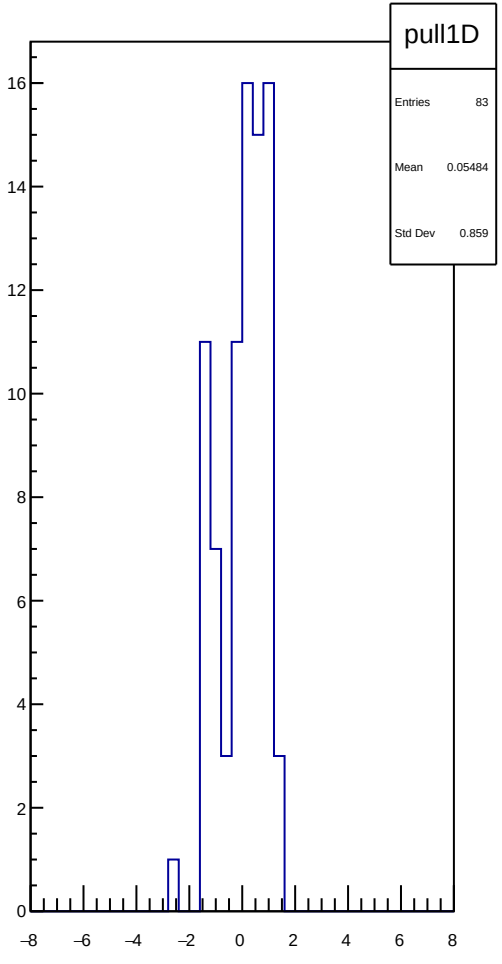

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.99 / 82
p0 71.62 ± 4.882
pull
Entries 83
Mean −3579
Std Dev 3618

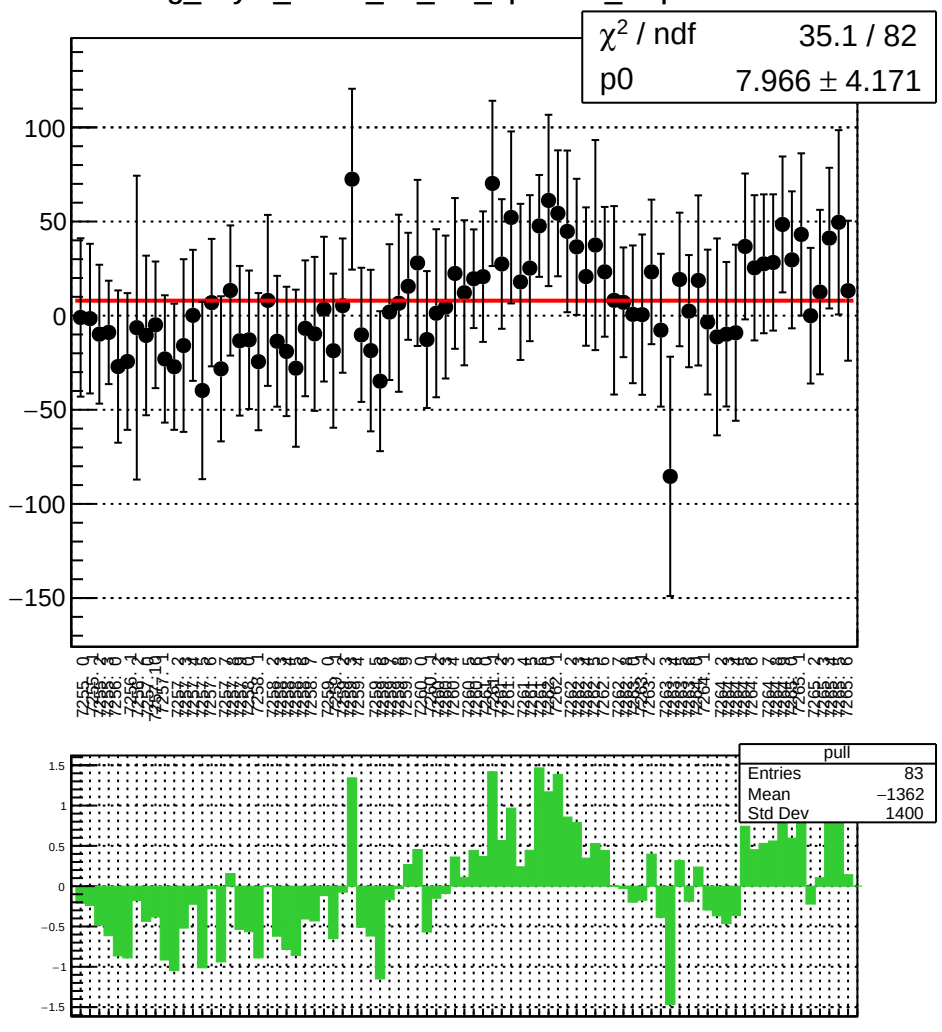

pull1D
Entries 83
Mean −0.003041
Std Dev 0.7604

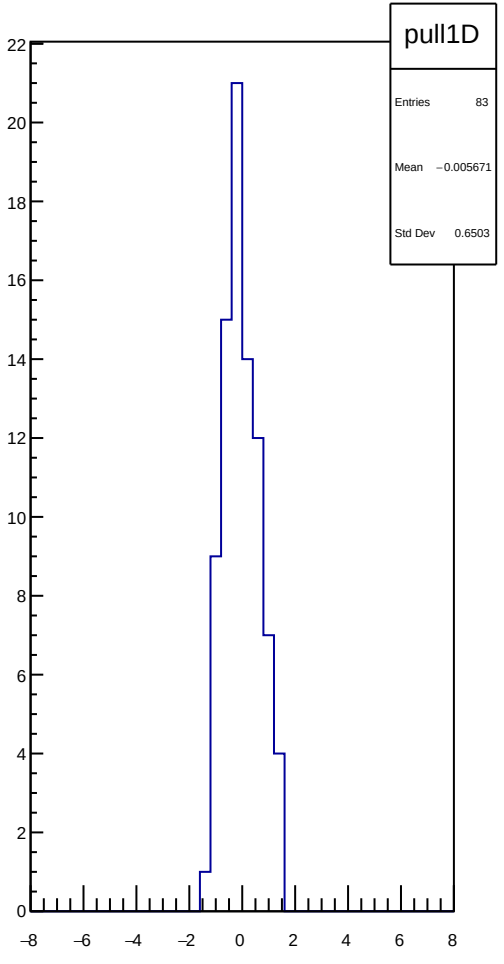

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 28.55 / 82
p0 −136.6 ± 0.2065
pull
Entries 83
Mean 234.6
Std Dev 202

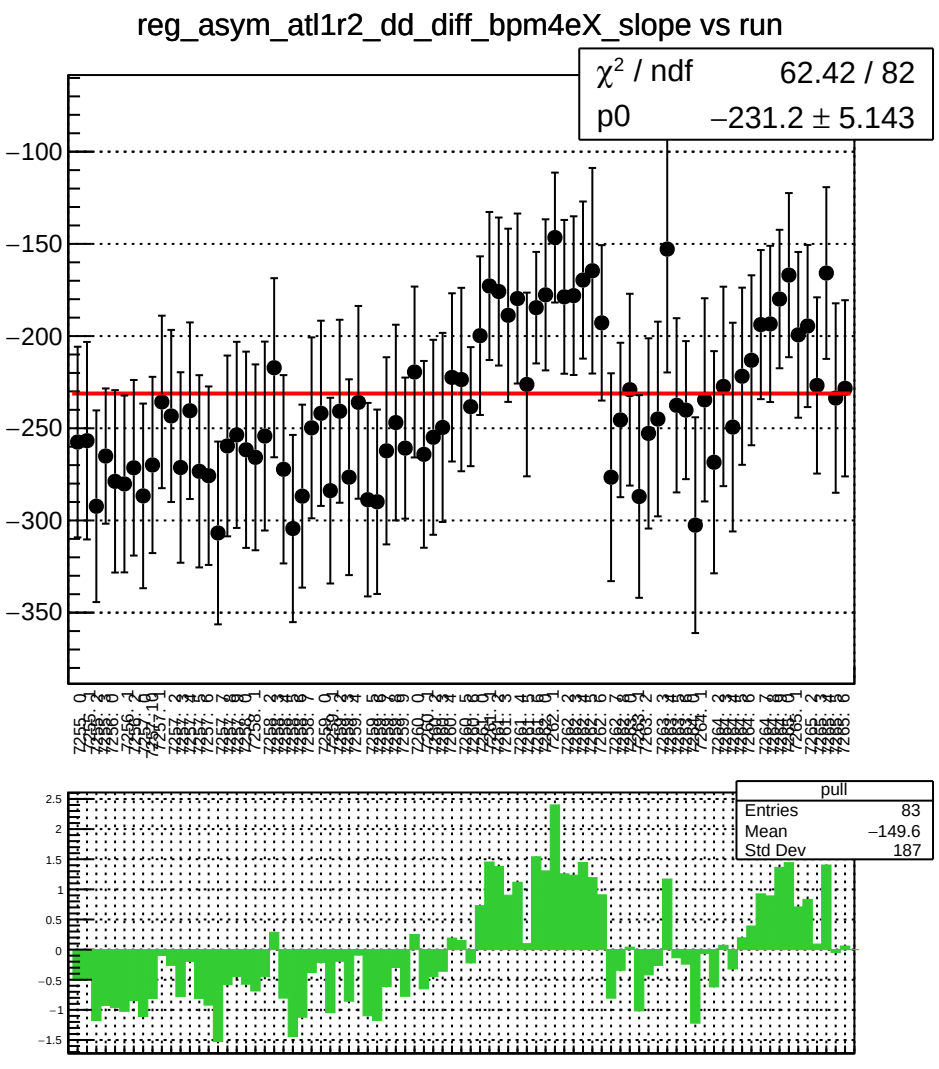

pull1D
Entries 83
Mean −0.008366
Std Dev 0.5864

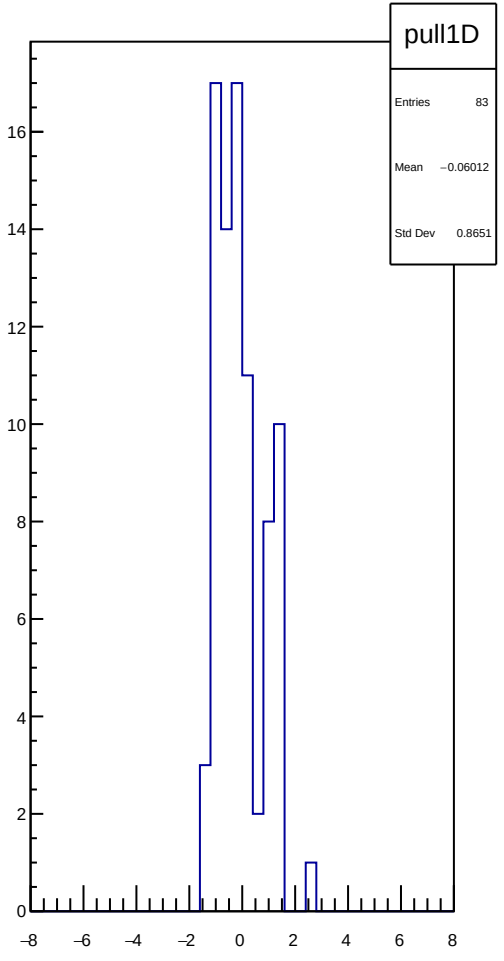

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 61.5 / 82
p0 187.4 ± 4.739
pull
Entries 83
Mean −169
Std Dev 206.7

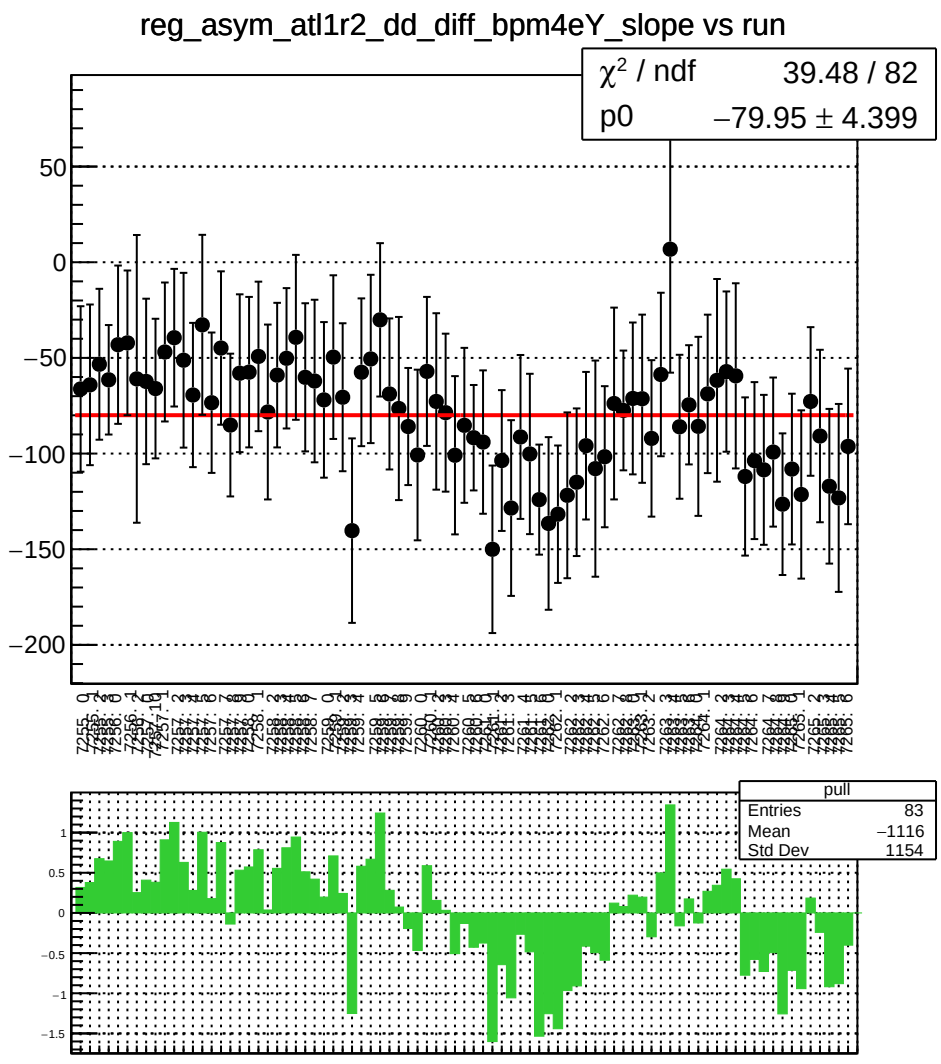

pull1D
Entries 83
Mean 0.05484
Std Dev 0.859

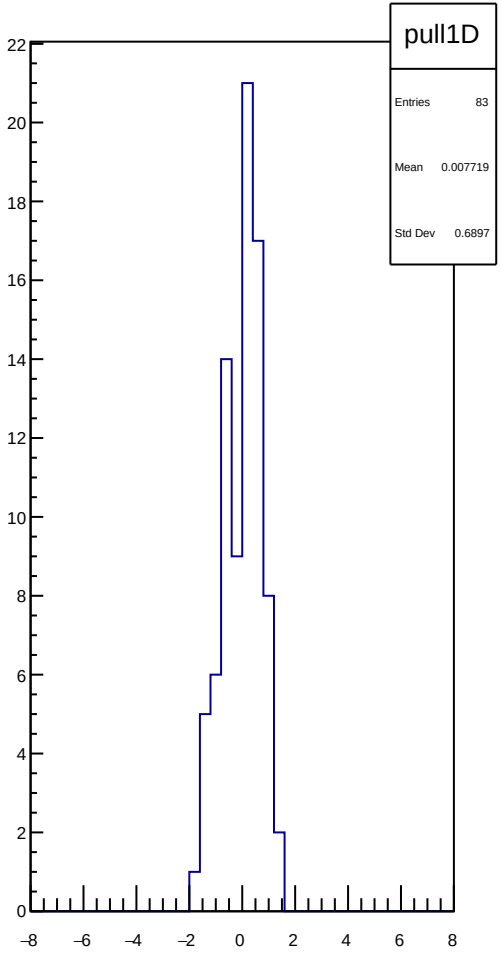

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.1 / 82
p0 7.966 ± 4.171
pull
Entries 83
Mean −1362
Std Dev 1400

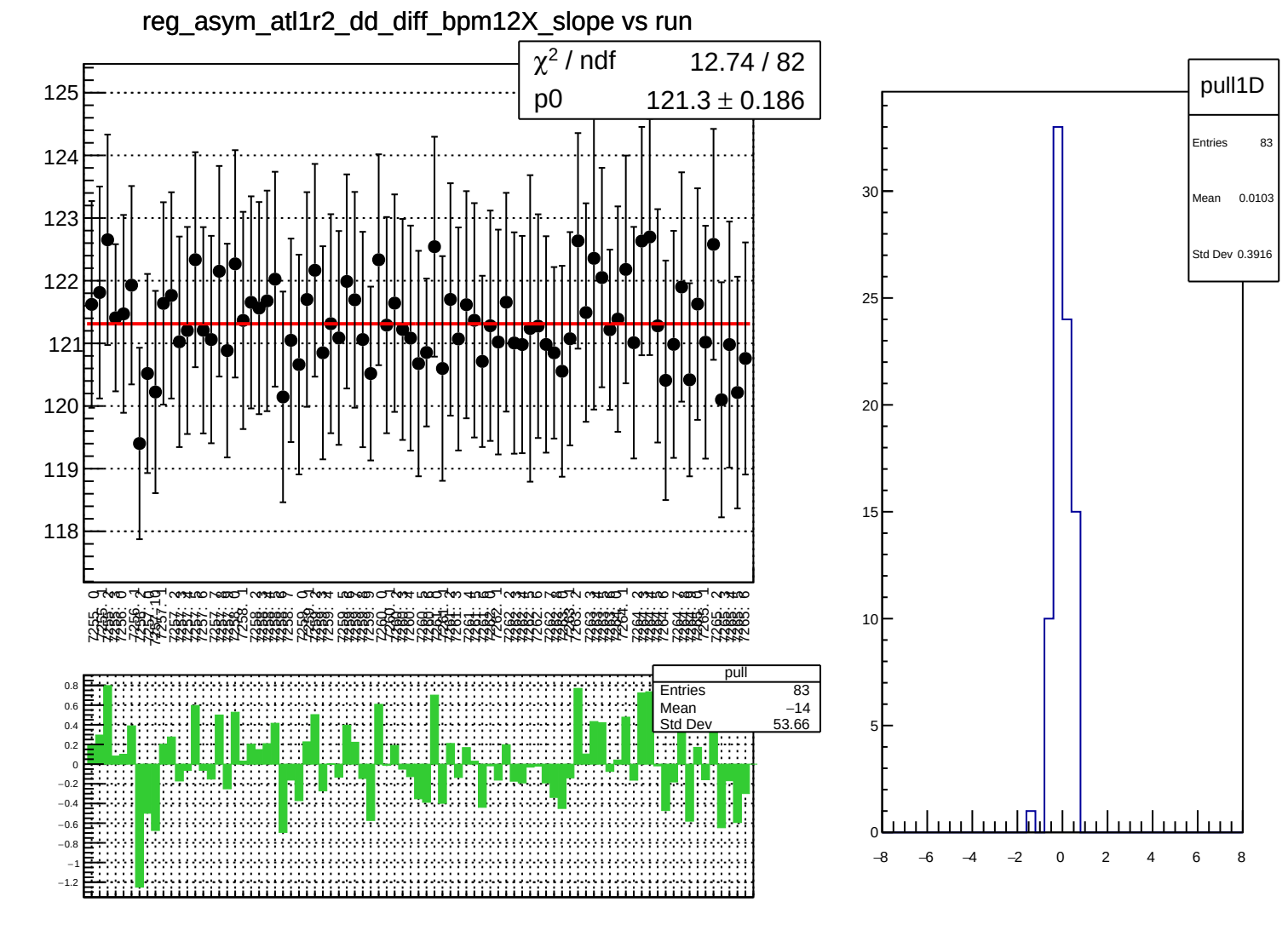

pull1D
Entries 83
Mean −0.005671
Std Dev 0.6503

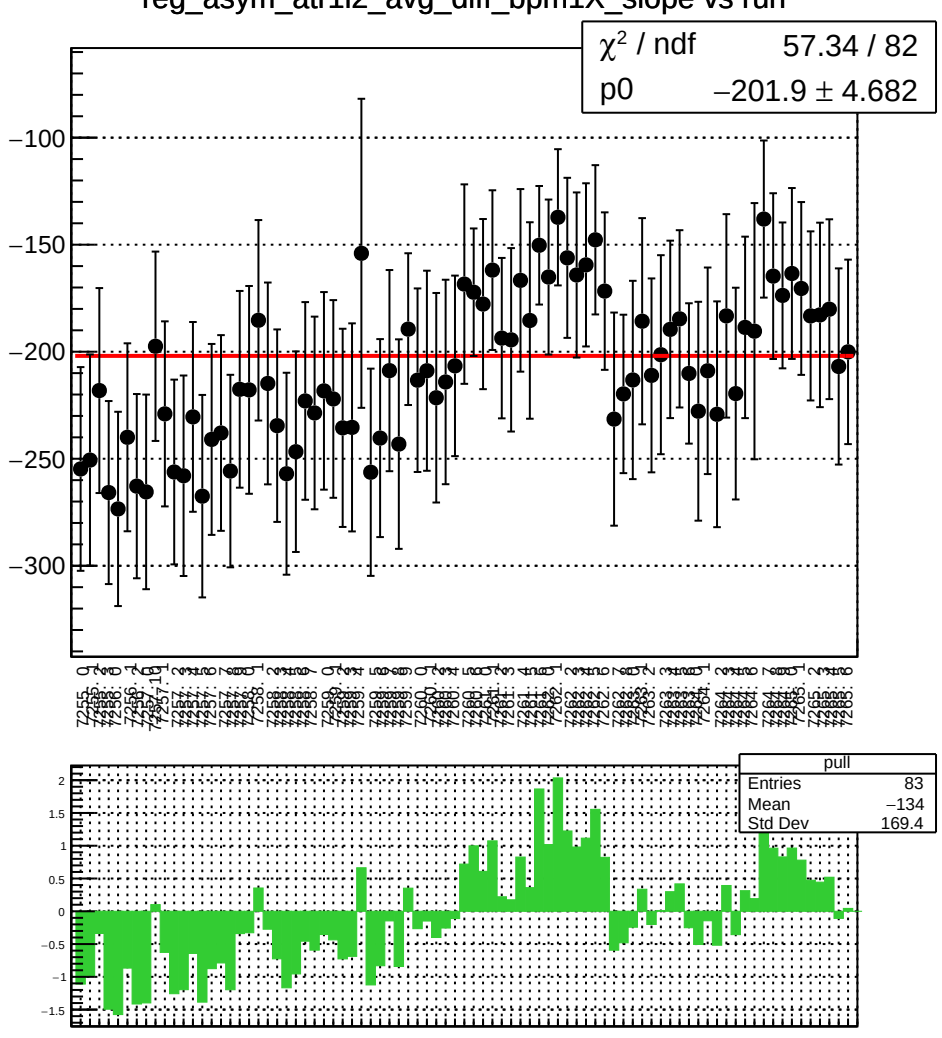

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.42 / 82
p0 −231.2 ± 5.143
pull
Entries 83
Mean −149.6
Std Dev 187

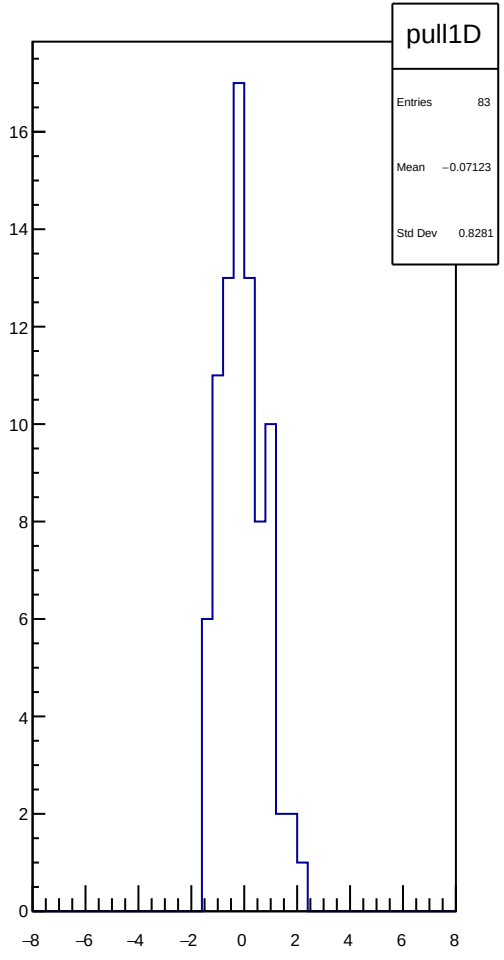

pull1D
Entries 83
Mean −0.06012
Std Dev 0.8651

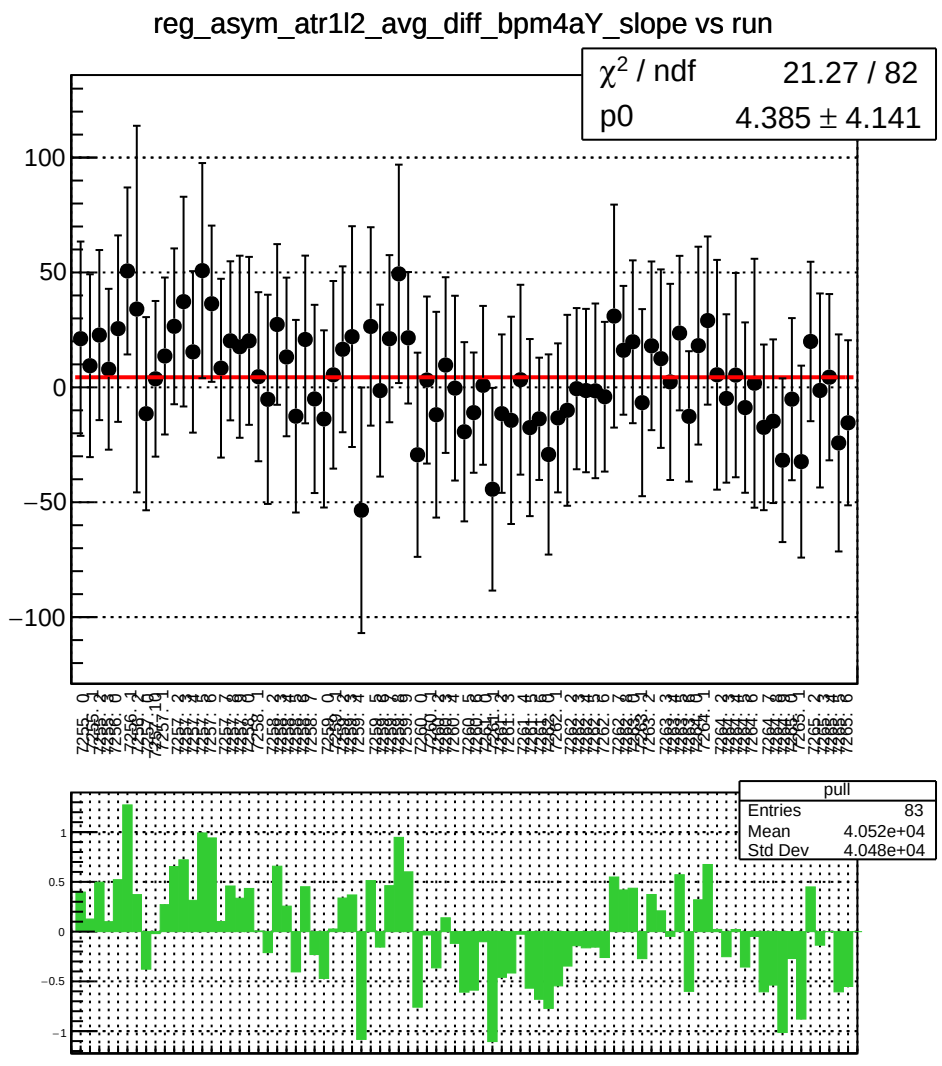

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.48 / 82
p0 −79.95 ± 4.399
pull
Entries 83
Mean −1116
Std Dev 1154

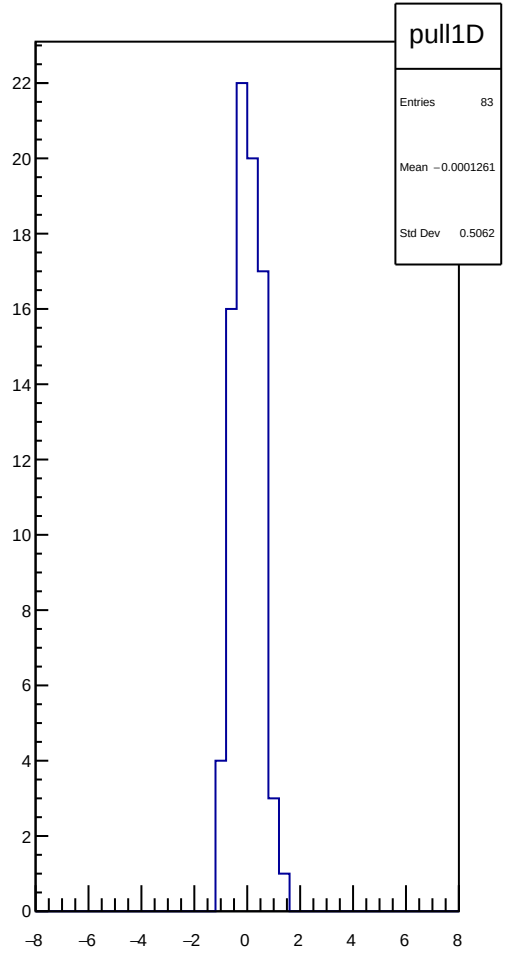

pull1D
Entries 83
Mean 0.007719
Std Dev 0.6897

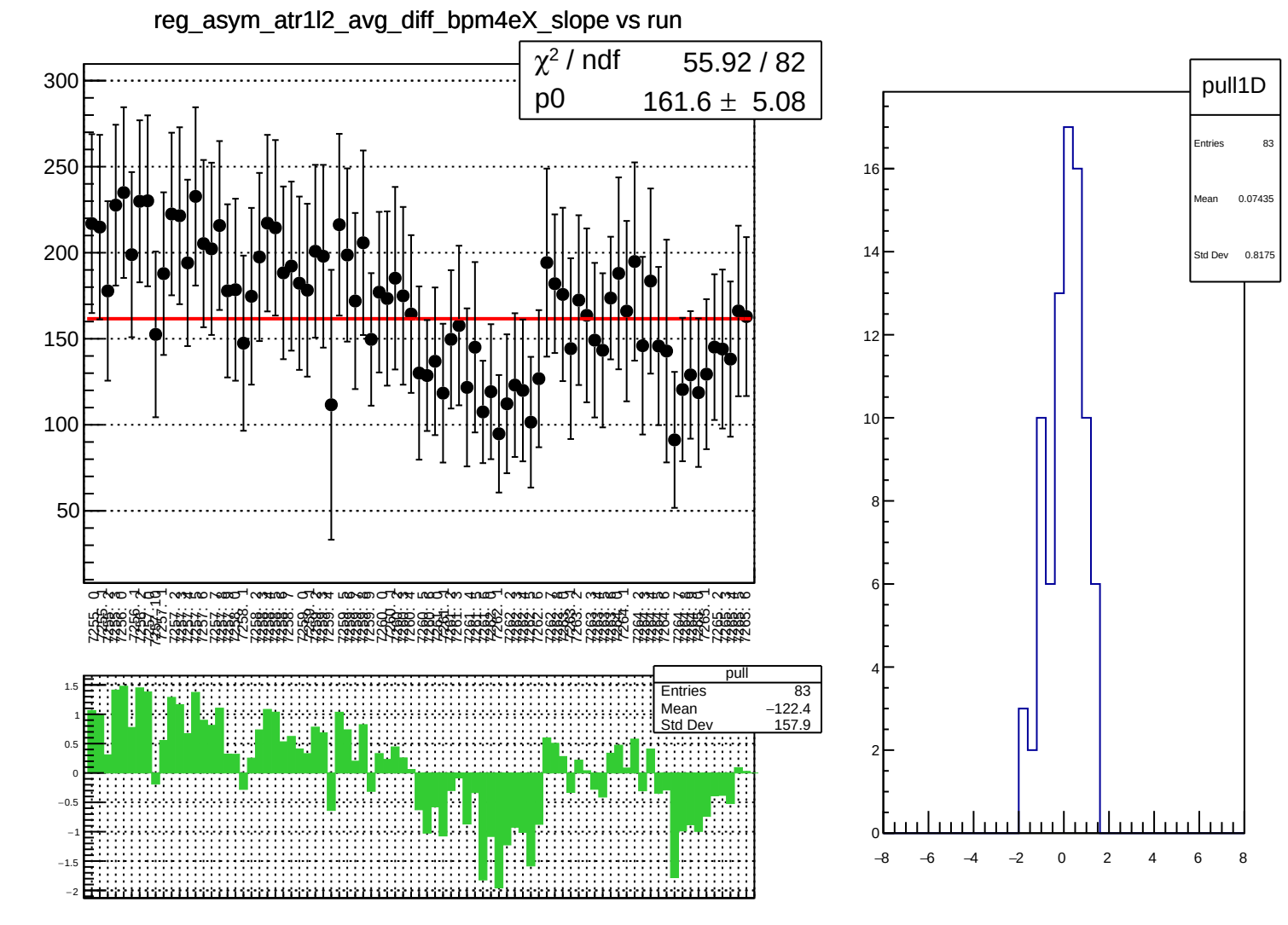

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 12.74 / 82
p0 121.3 ± 0.186
pull
Entries 83
Mean −14
Std Dev 53.66
pull1D
Entries 83
Mean 0.0103
Std Dev 0.3916

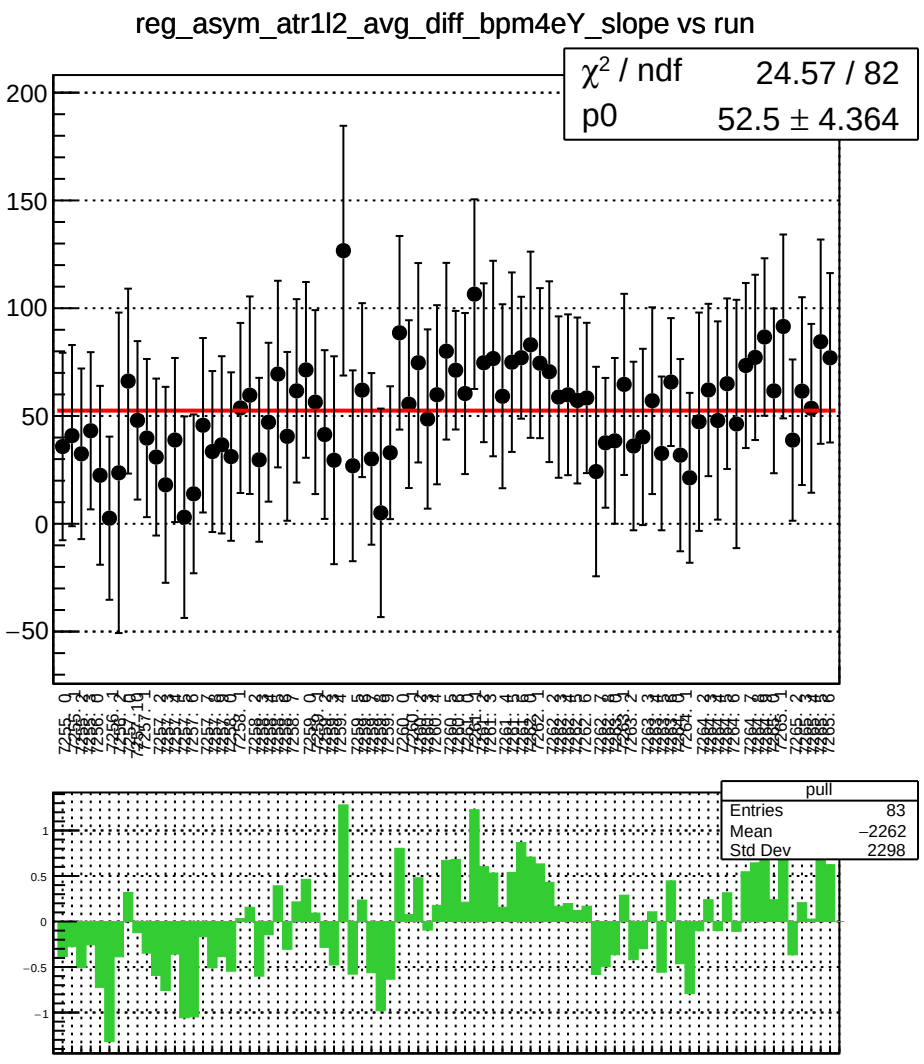

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 57.34 / 82
p0 −201.9 ± 4.682
−100
−150
−200
−250
−300
pull
Entries 83
Mean −134
Std Dev 169.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

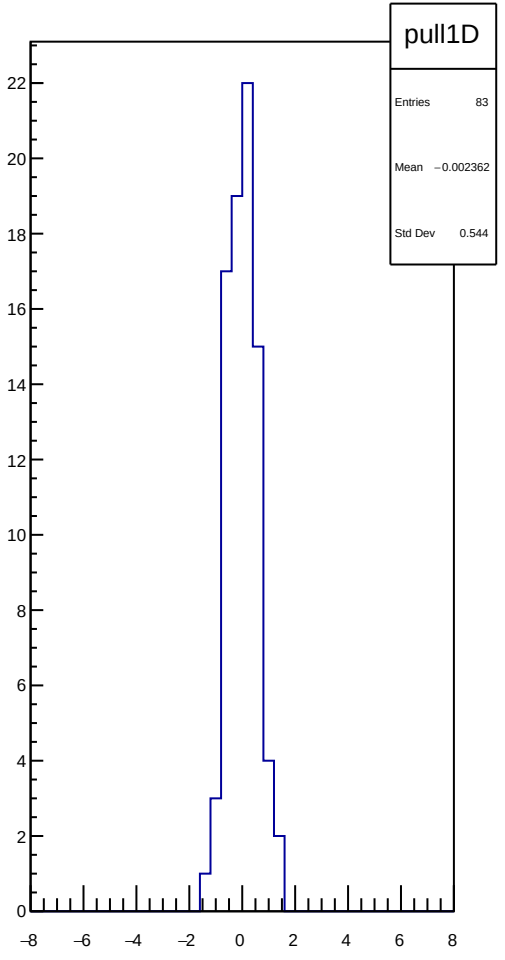

pull1D
Entries 83
Mean −0.07123
Std Dev 0.8281
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

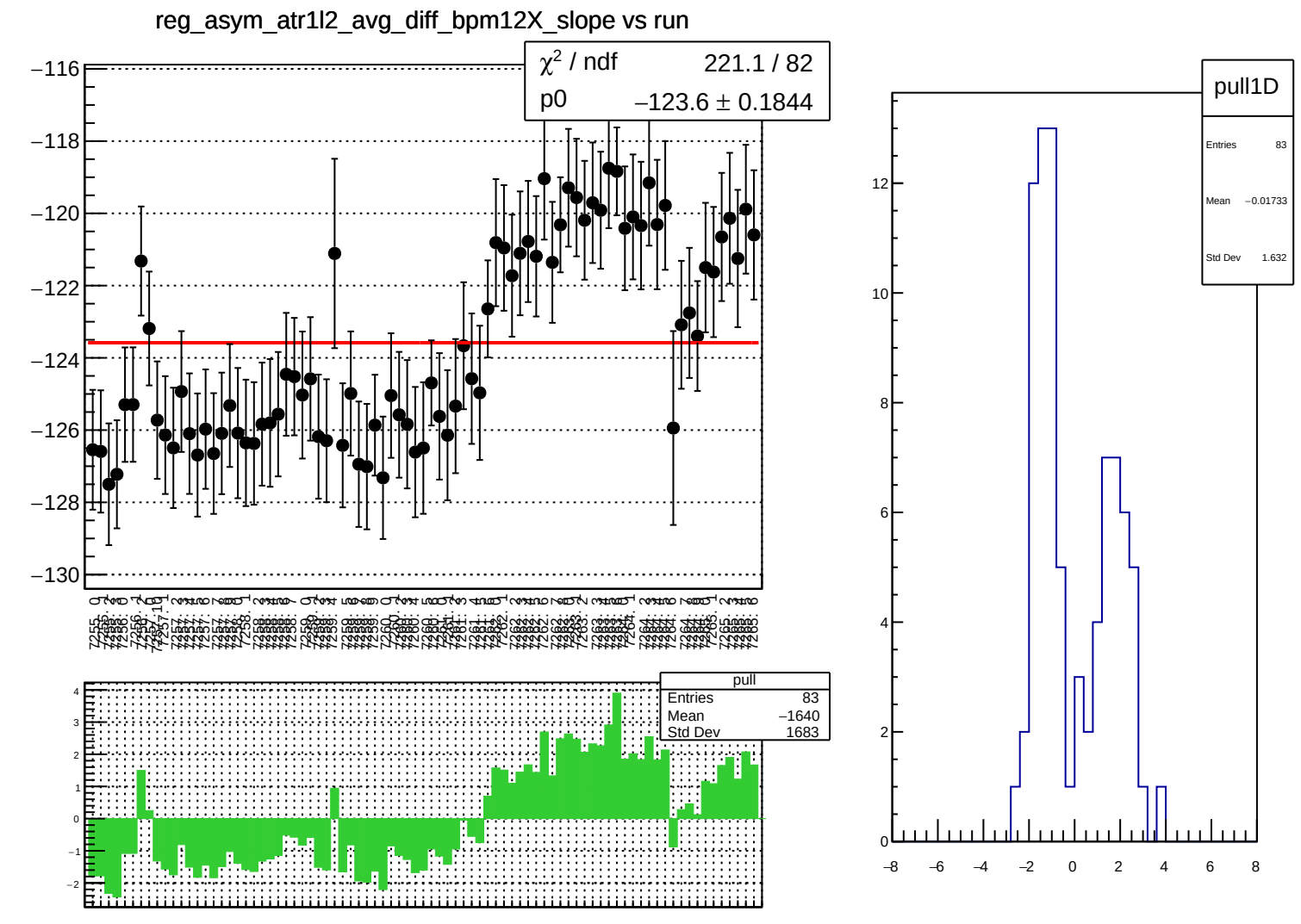

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.27 / 82
p0 4.385 ± 4.141
100
50
0
−50
−100
pull
Entries 83
Mean 4.052e+04
Std Dev 4.048e+04
1
0.5
0
−0.5
−1

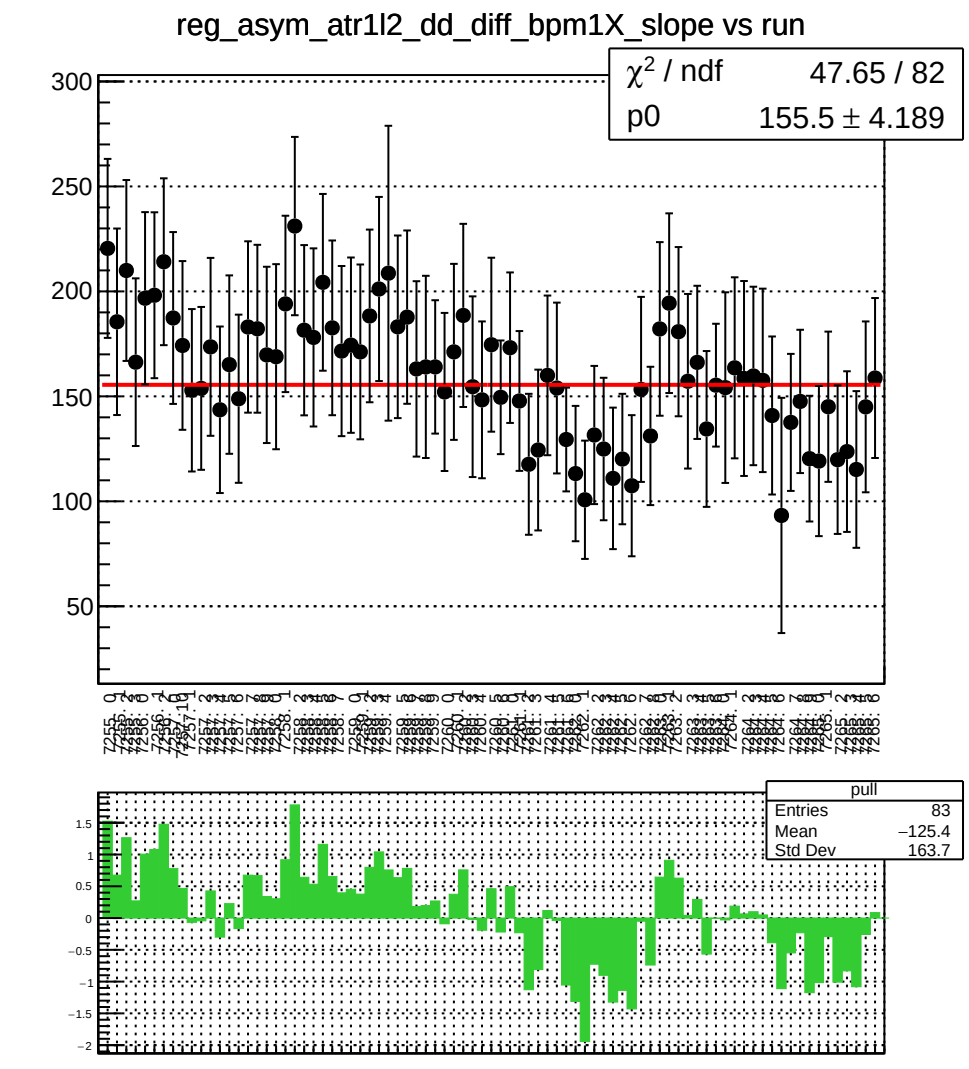

pull1D
Entries 83
Mean −0.0001261
Std Dev 0.5062
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

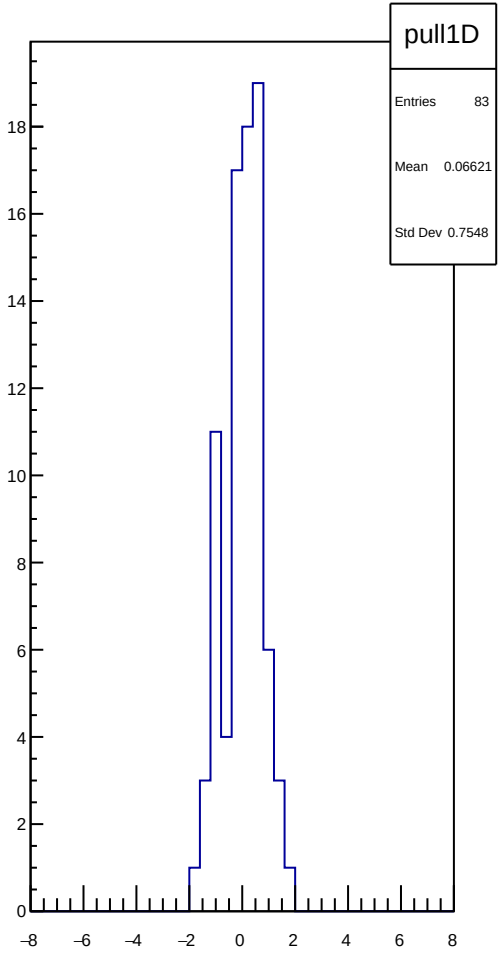

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.92 / 82
p0 161.6 ± 5.08
pull
Entries 83
Mean −122.4
Std Dev 157.9
pull1D
Entries 83
Mean 0.07435
Std Dev 0.8175

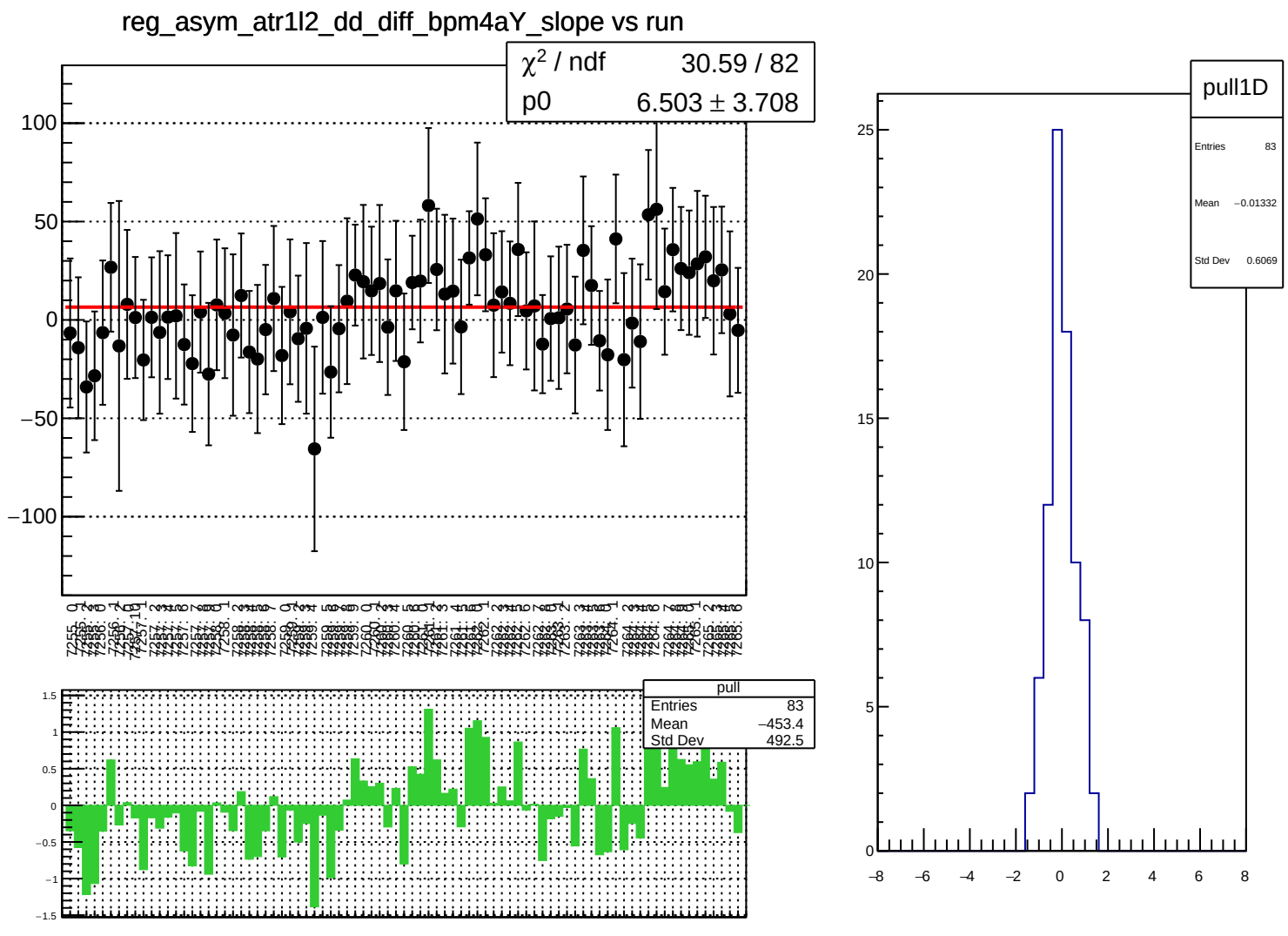

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.57 / 82
p0 52.5 ± 4.364
pull
Entries 83
Mean −2262
Std Dev 2298

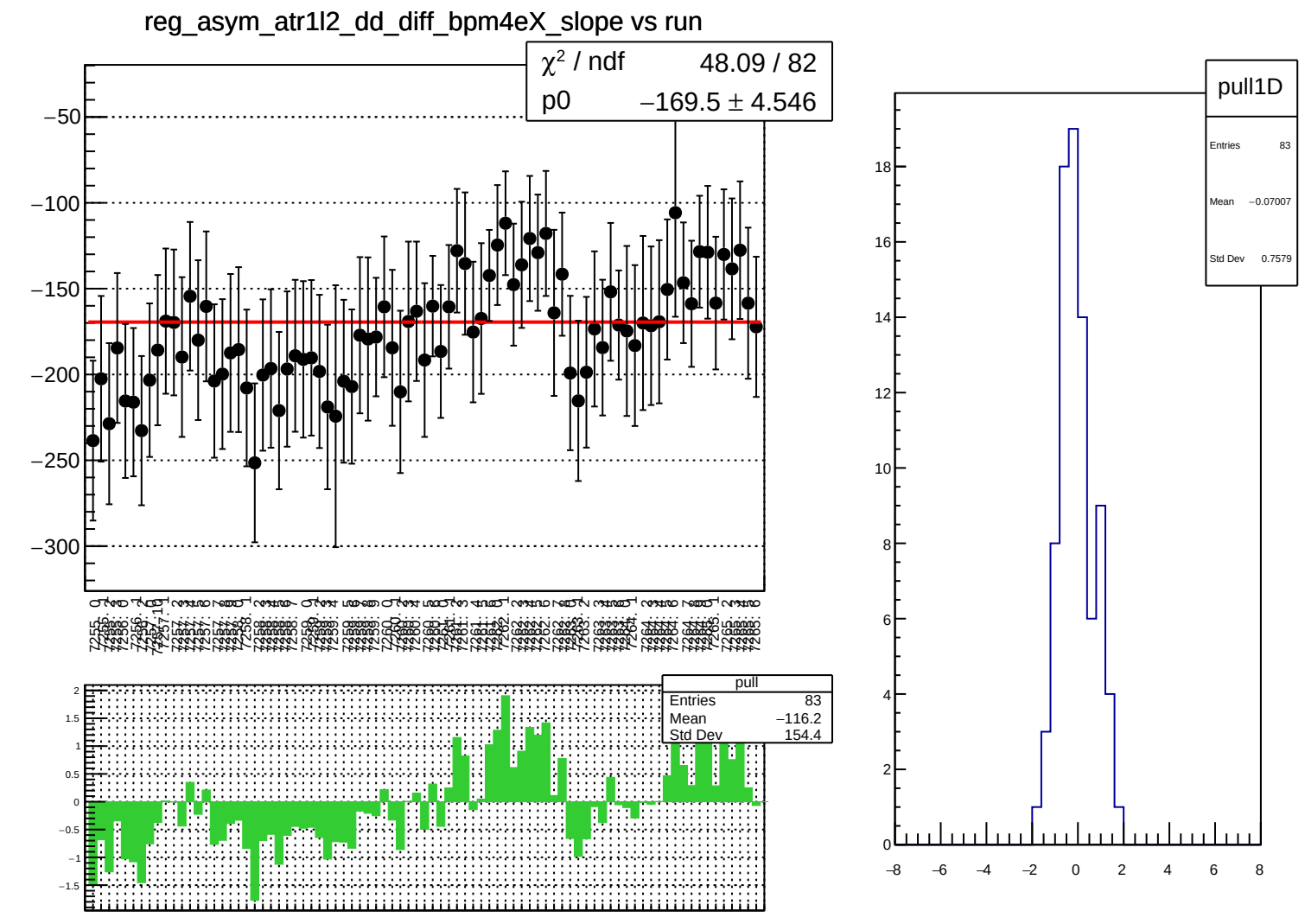

pull1D
Entries 83
Mean −0.002362
Std Dev 0.544

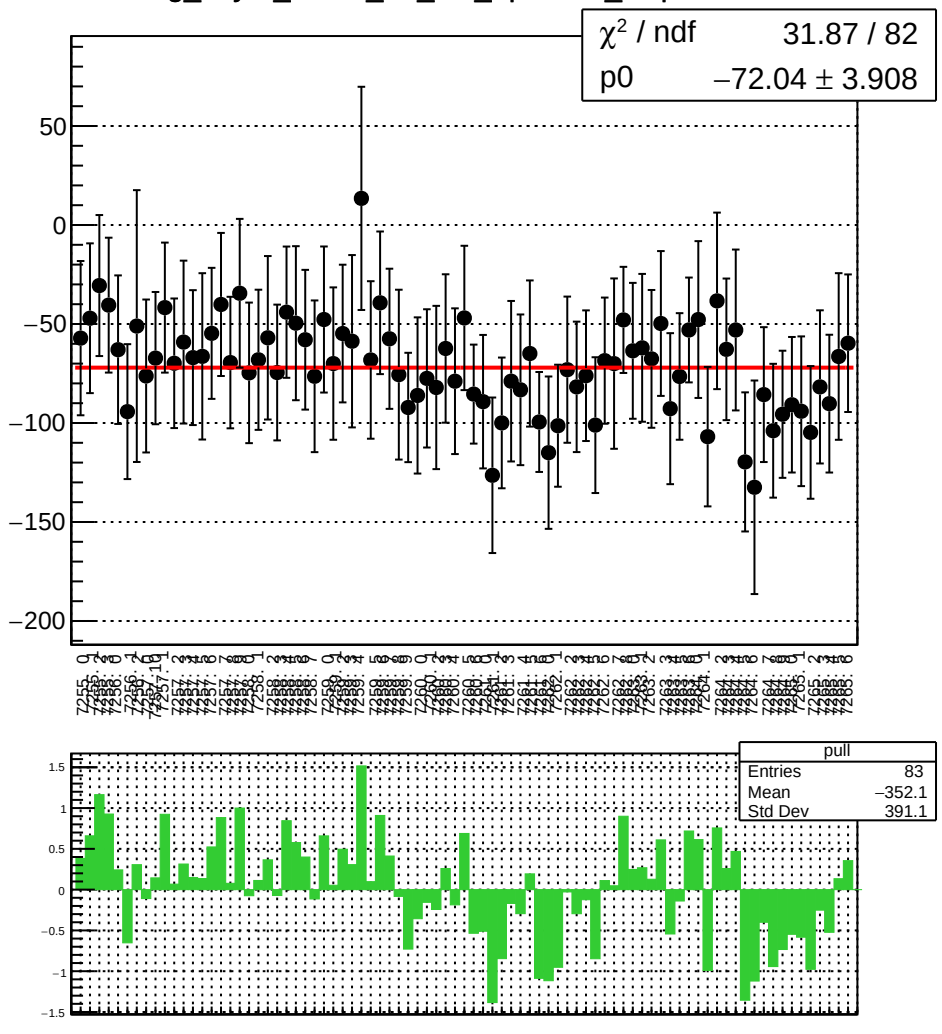

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 221.1 / 82
p0 −123.6 ± 0.1844
pull
Entries 83
Mean −1640
Std Dev 1683
pull1D
Entries 83
Mean −0.01733
Std Dev 1.632

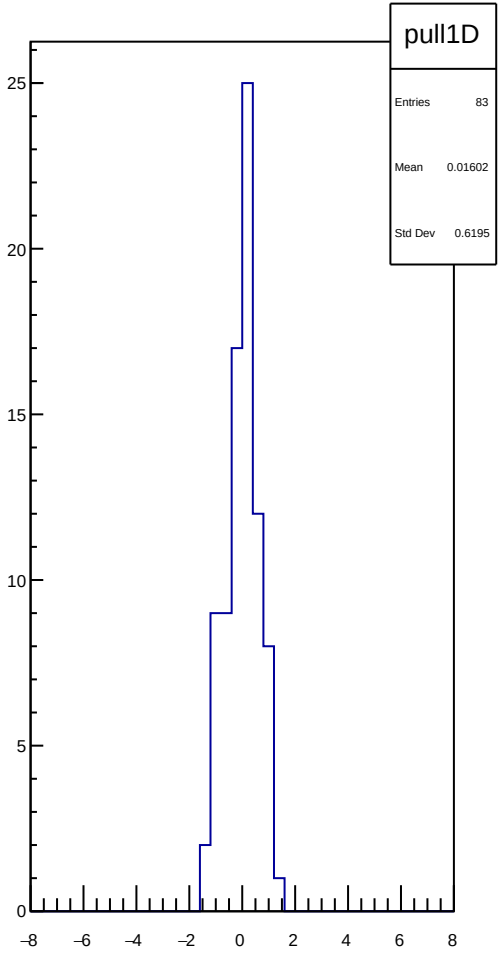

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 47.65 / 82
p0 155.5 ± 4.189
300
250
200
150
100
50
pull
Entries 83
Mean −125.4
Std Dev 163.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

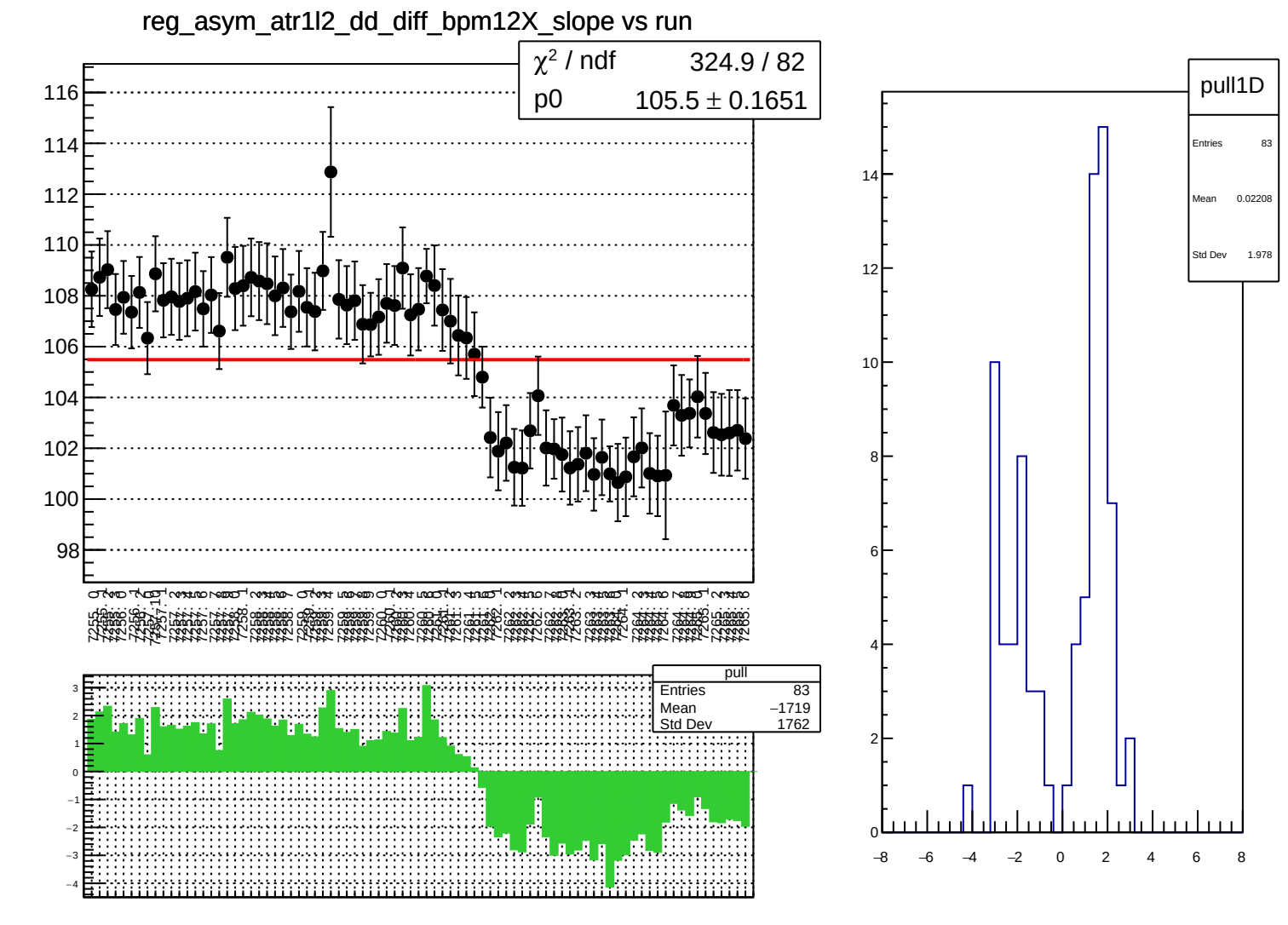

pull1D
Entries 83
Mean 0.06621
Std Dev 0.7548
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

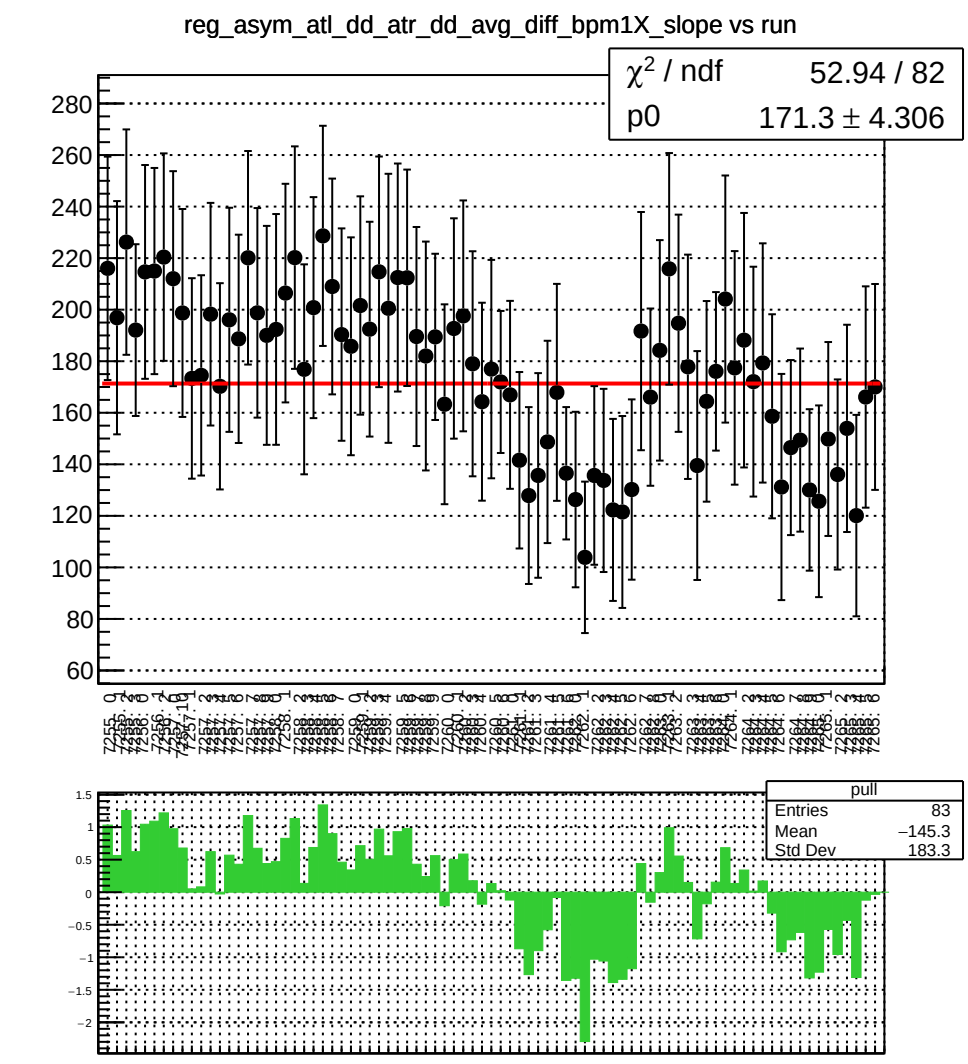

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.59 / 82
p0 6.503 ± 3.708
100
50
0
−50
−100
pull
Entries 83
Mean −453.4
Std Dev 492.5
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.01332
Std Dev 0.6069
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

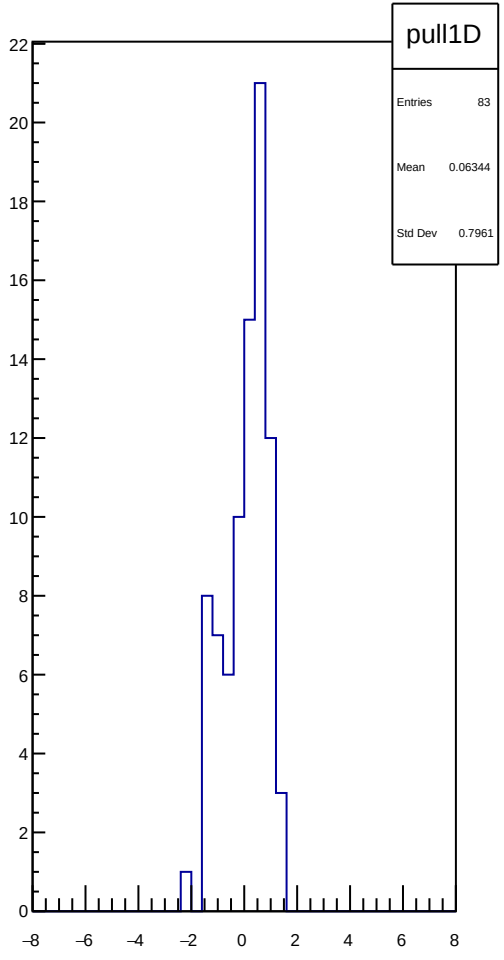

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.09 / 82
p0 −169.5 ± 4.546
pull
Entries 83
Mean −116.2
Std Dev 154.4
pull1D
Entries 83
Mean −0.07007
Std Dev 0.7579

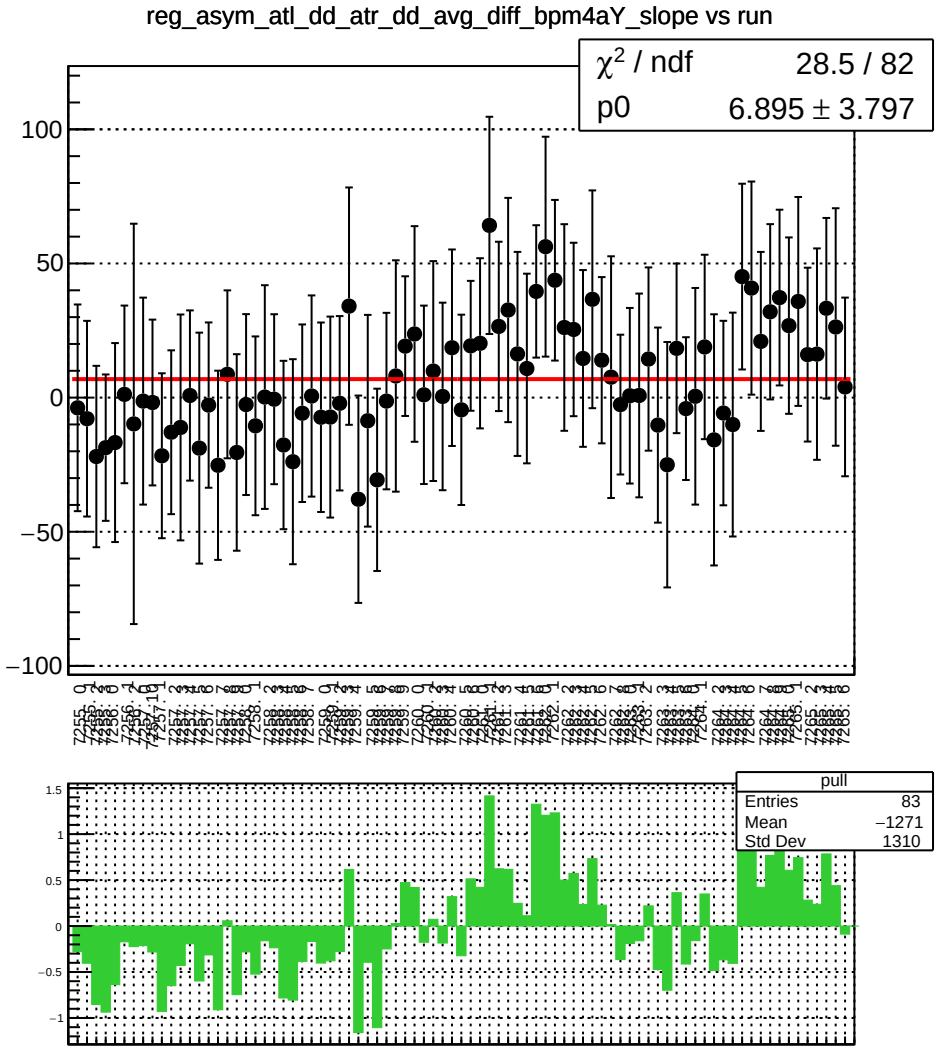

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.87 / 82
p0 −72.04 ± 3.908
pull
Entries 83
Mean −352.1
Std Dev 391.1

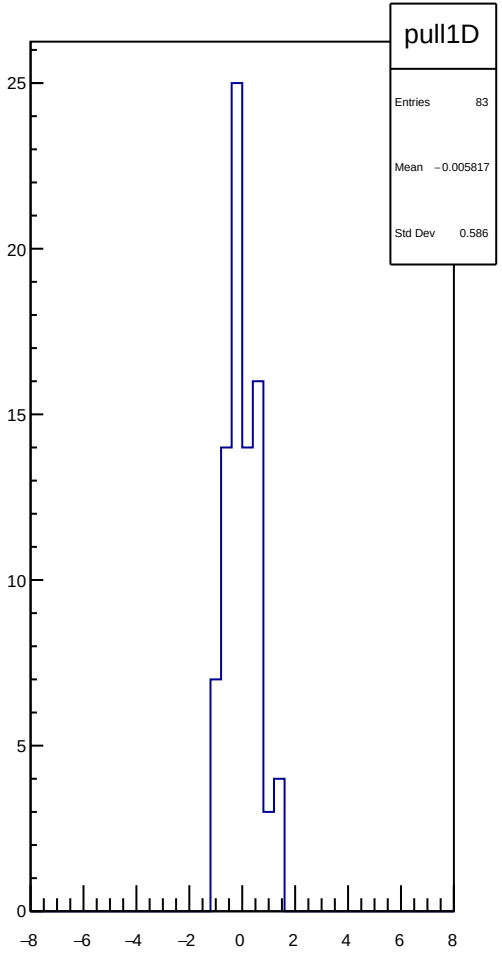

pull1D
Entries 83
Mean 0.01602
Std Dev 0.6195

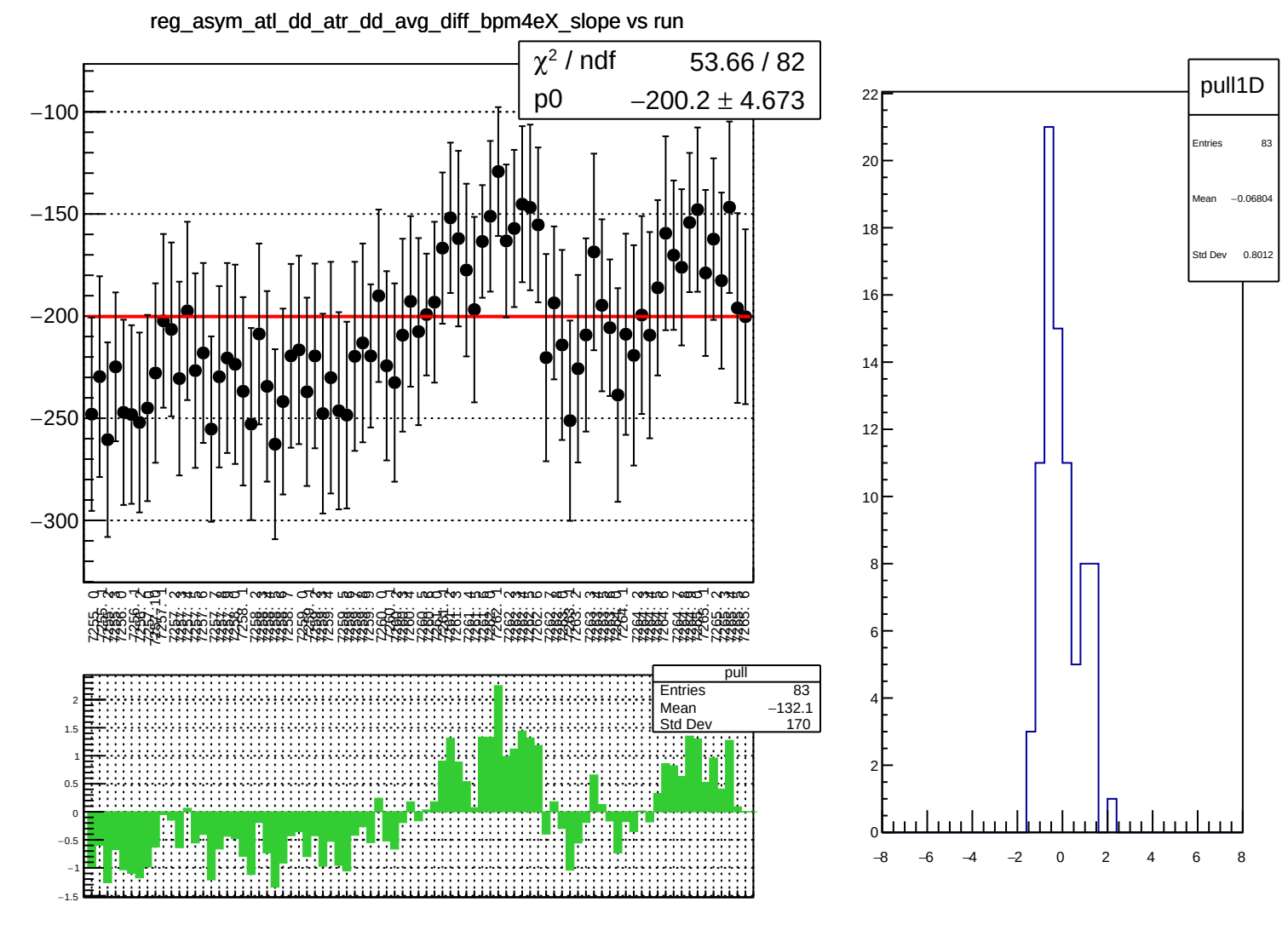

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 324.9 / 82
p0 105.5 ± 0.1651
pull
Entries 83
Mean −1719
Std Dev 1762
pull1D
Entries 83
Mean 0.02208
Std Dev 1.978

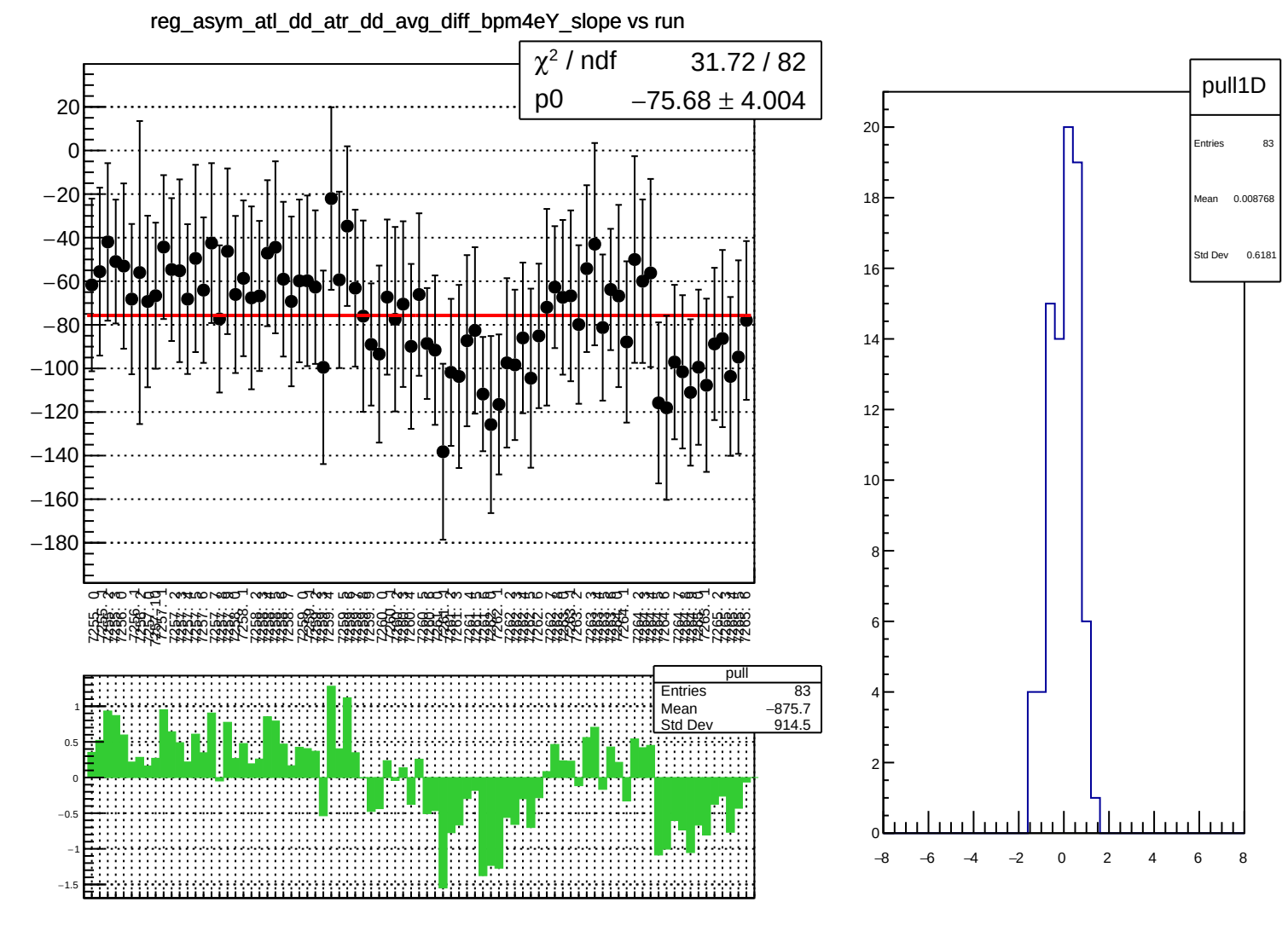

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 52.94 / 82
p0 171.3 ± 4.306
pull
Entries 83
Mean −145.3
Std Dev 183.3

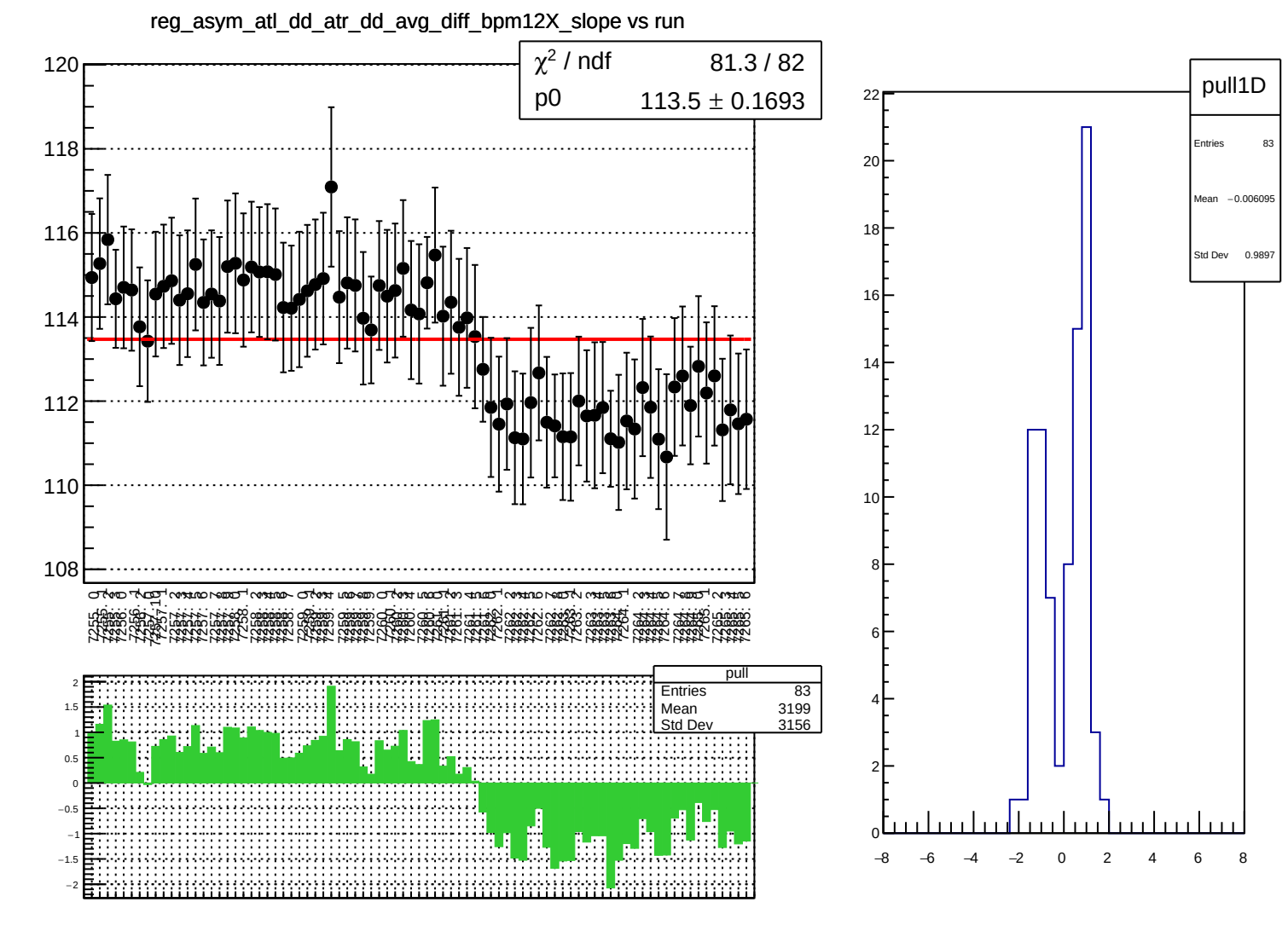

pull1D
Entries 83
Mean 0.06344
Std Dev 0.7961

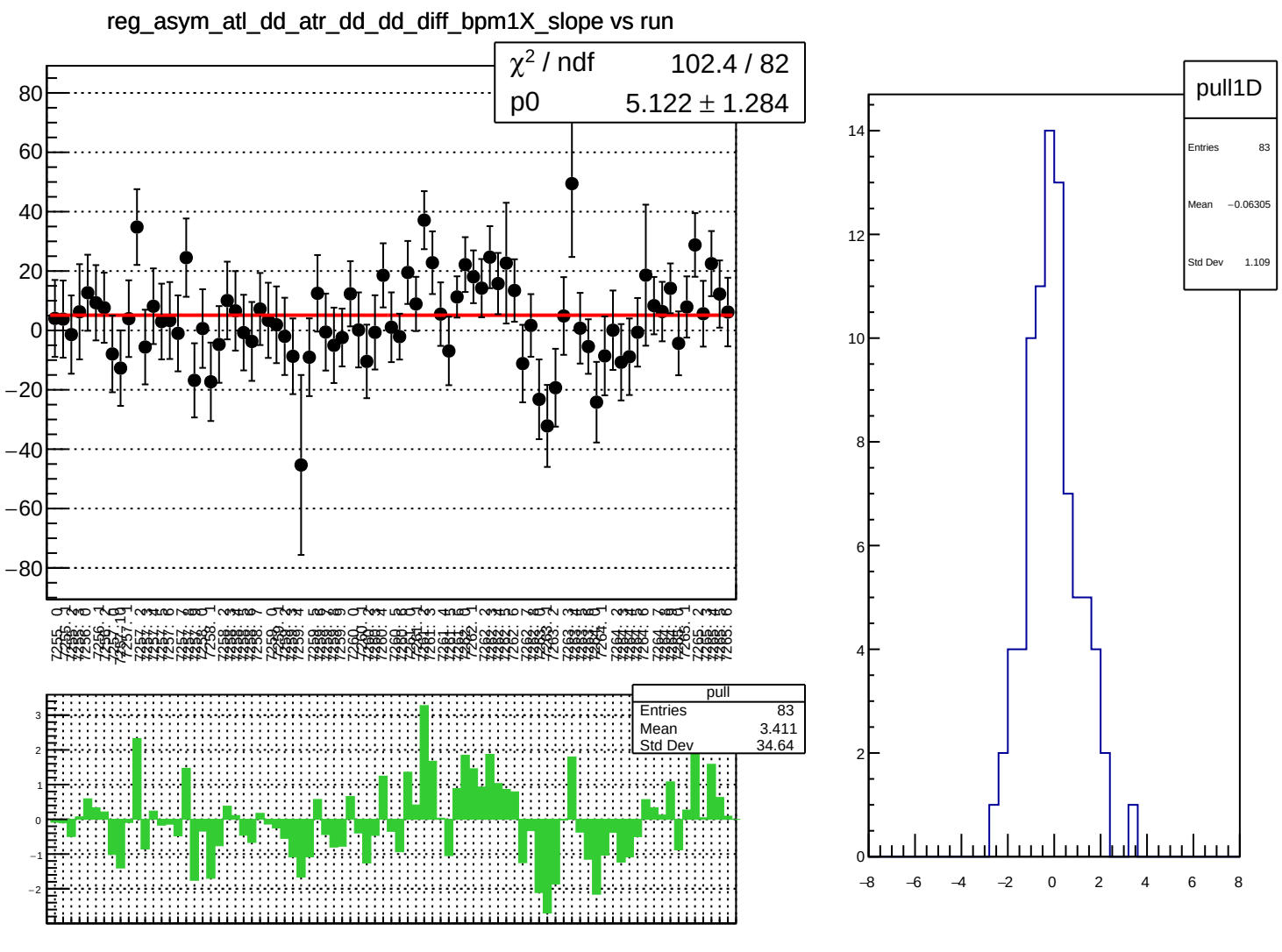

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.5 / 82
p0 6.895 ± 3.797
pull
Entries 83
Mean −1271
Std Dev 1310

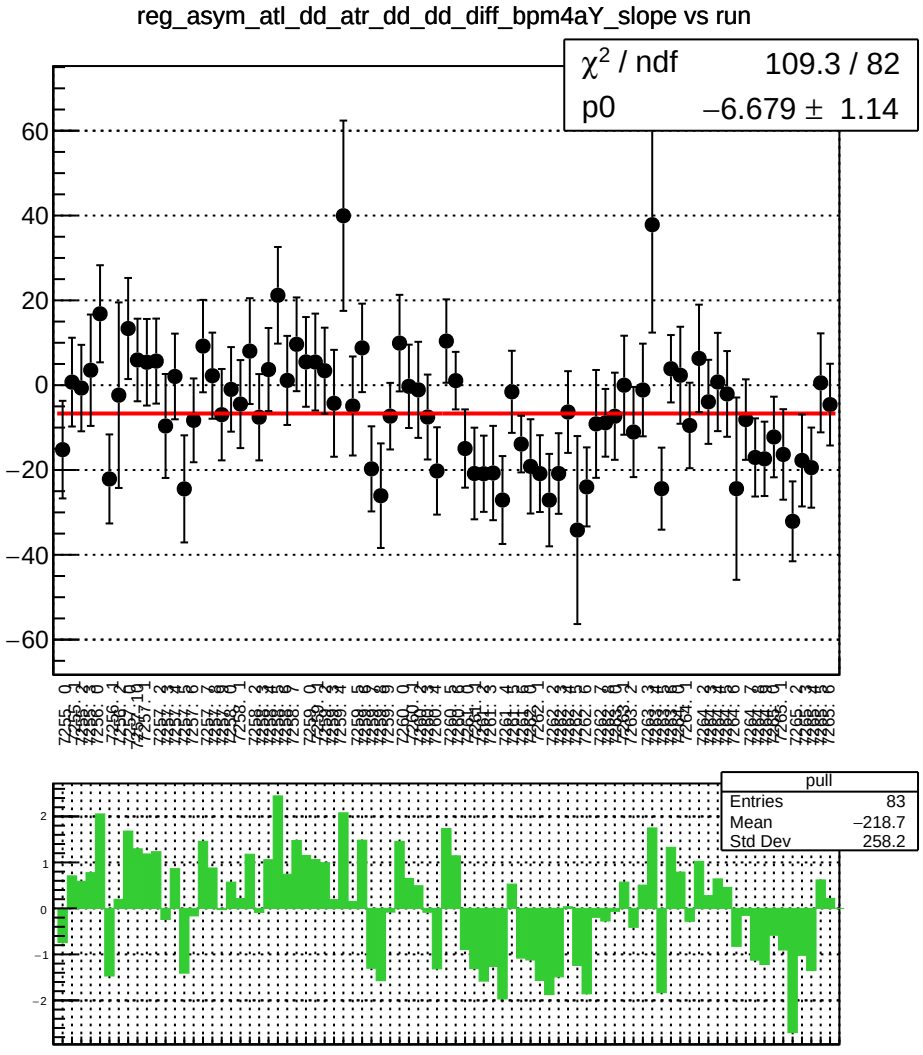

pull1D
Entries 83
Mean −0.005817
Std Dev 0.586

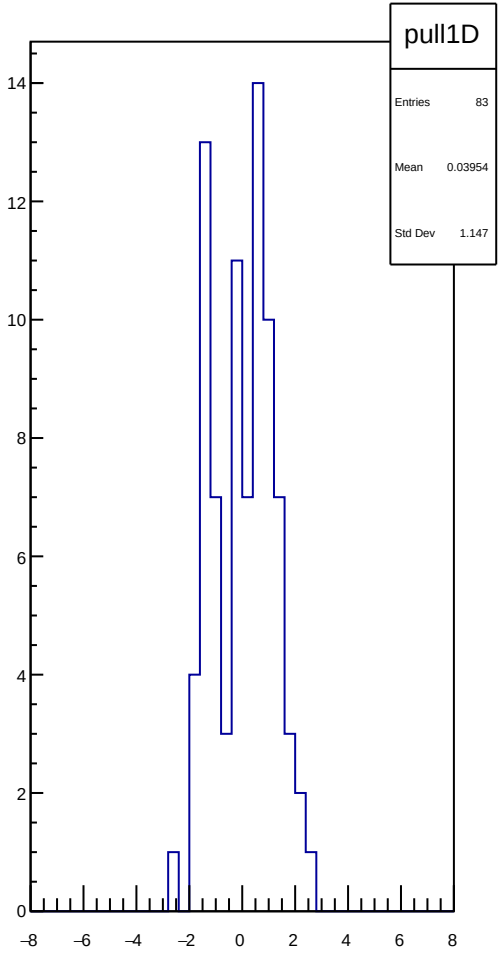

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.66 / 82
p0 −200.2 ± 4.673
−100
−150
−200
−250
−300
pull
Entries 83
Mean −132.1
Std Dev 170
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.06804
Std Dev 0.8012
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

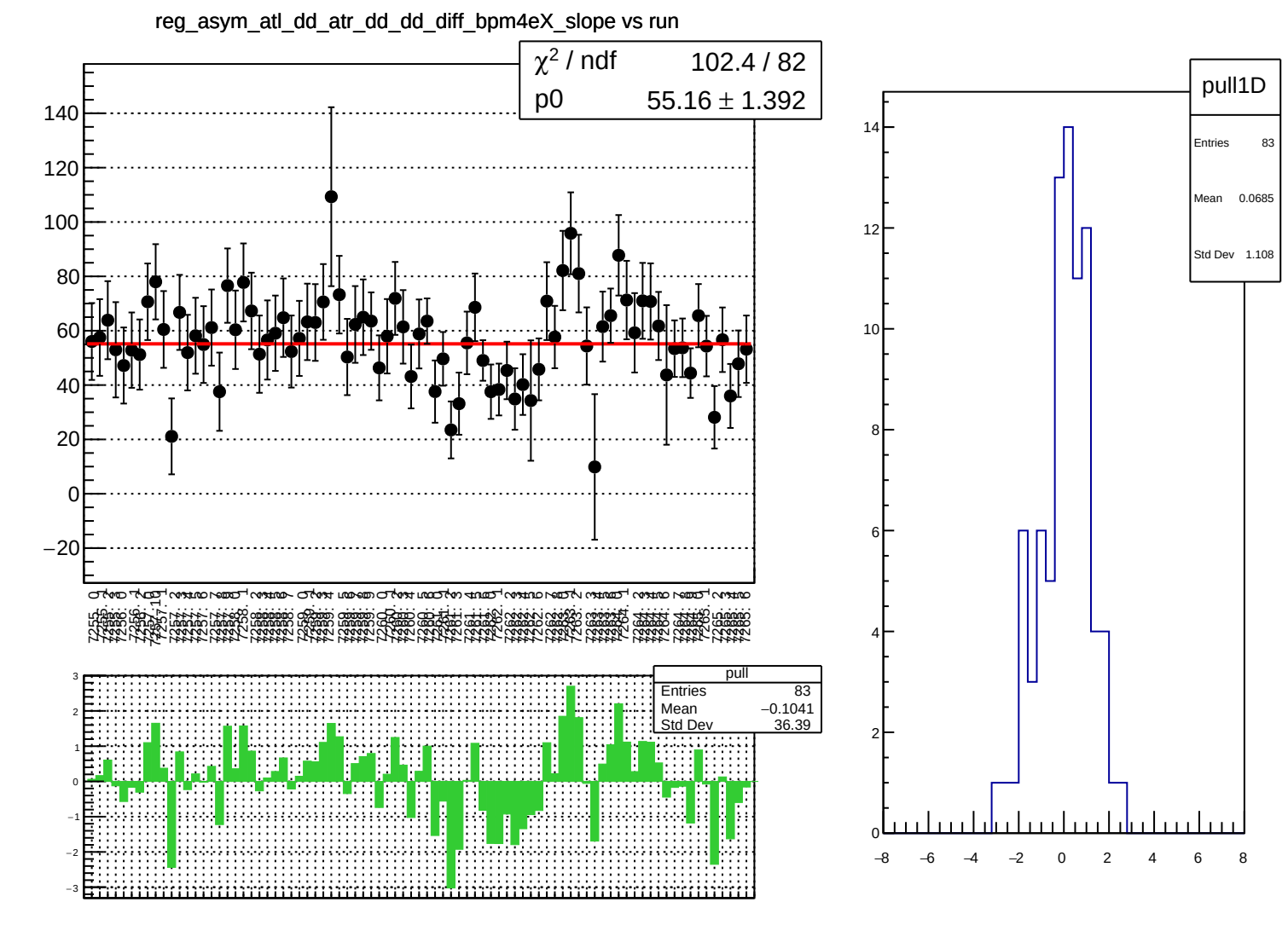

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.72 / 82
p0 −75.68 ± 4.004
pull
Entries 83
Mean −875.7
Std Dev 914.5
pull1D
Entries 83
Mean 0.008768
Std Dev 0.6181

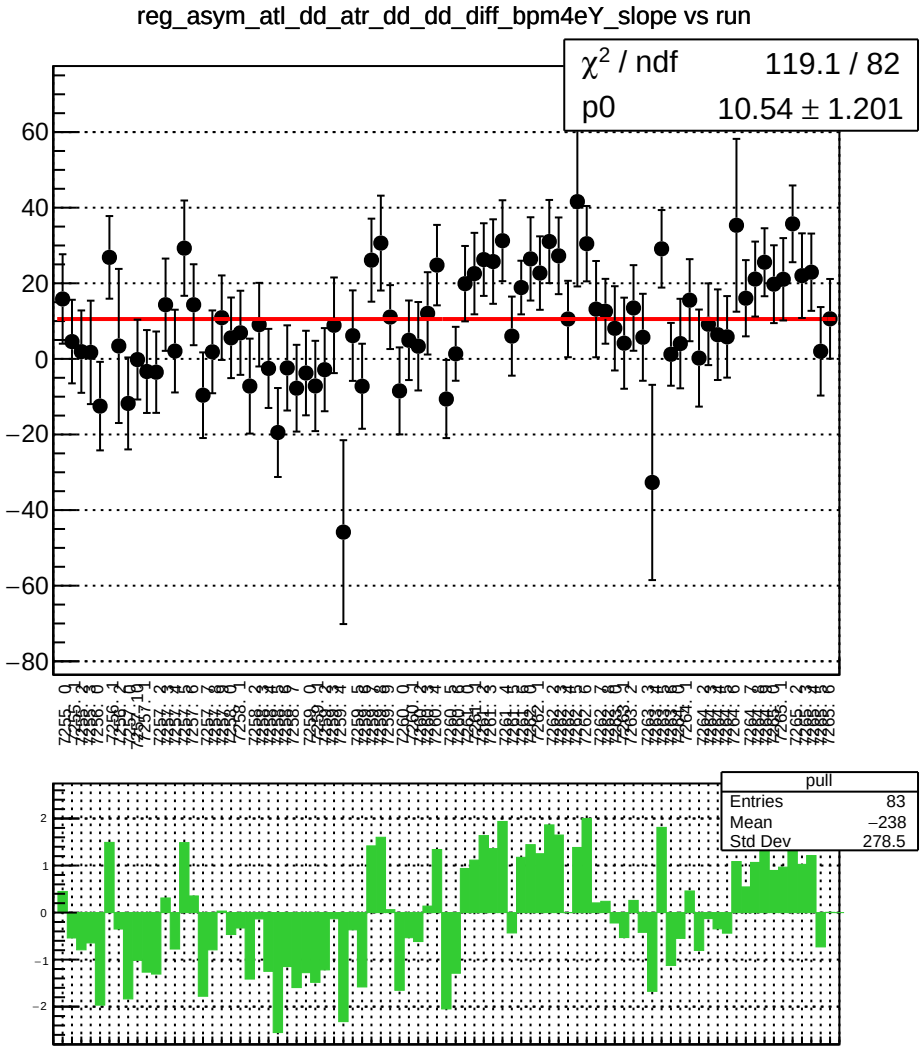

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 81.3 / 82
p0 113.5 ± 0.1693
pull
Entries 83
Mean 3199
Std Dev 3156
pull1D
Entries 83
Mean −0.006095
Std Dev 0.9897

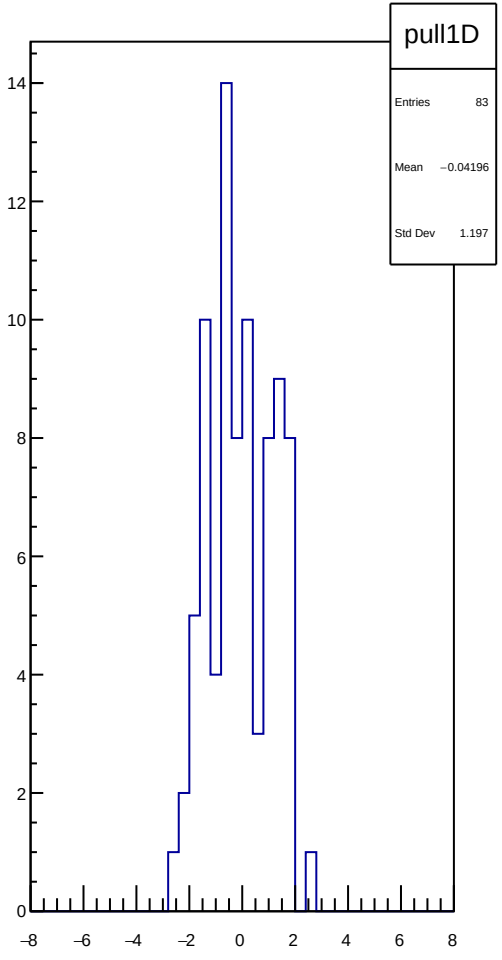

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 102.4 / 82
p0 5.122 ± 1.284
pull
Entries 83
Mean 3.411
Std Dev 34.64
pull1D
Entries 83
Mean −0.06305
Std Dev 1.109

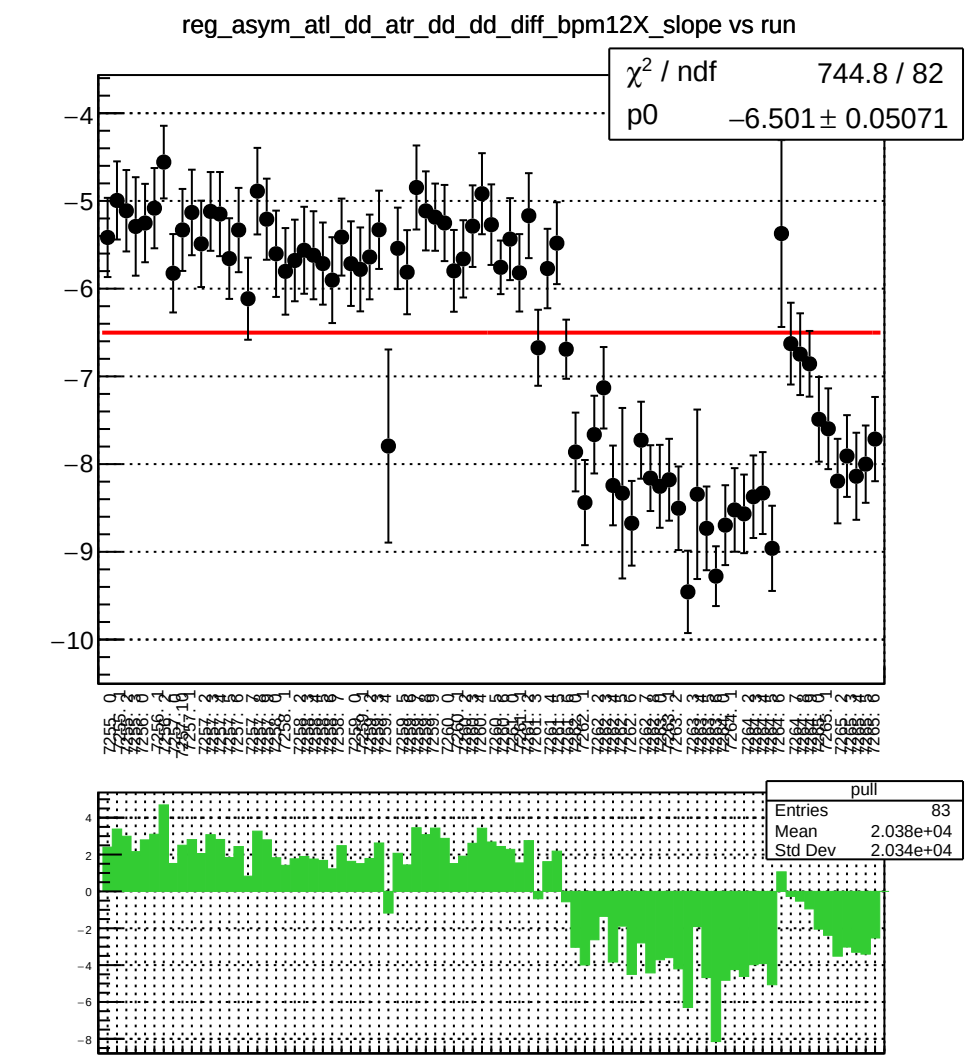

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 109.3 / 82
p0 −6.679 ± 1.14
pull
Entries 83
Mean −218.7
Std Dev 258.2

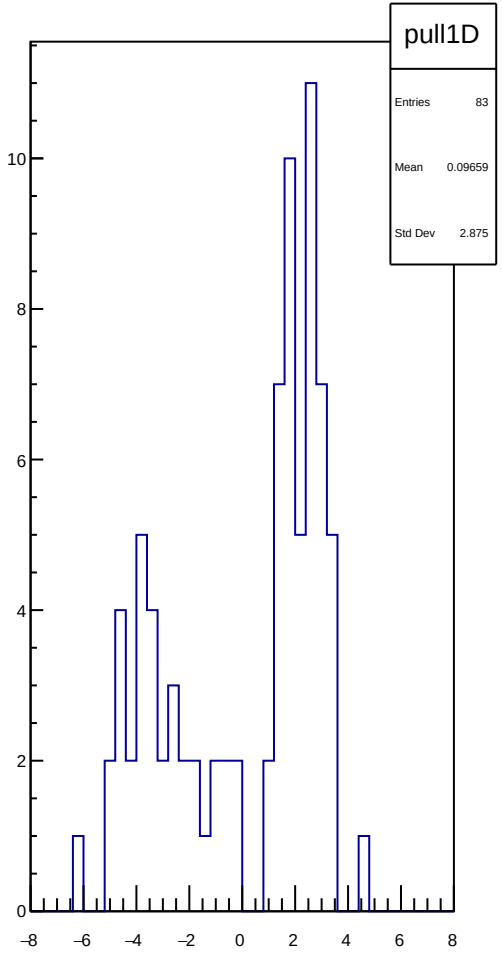

pull1D
Entries 83
Mean 0.03954
Std Dev 1.147

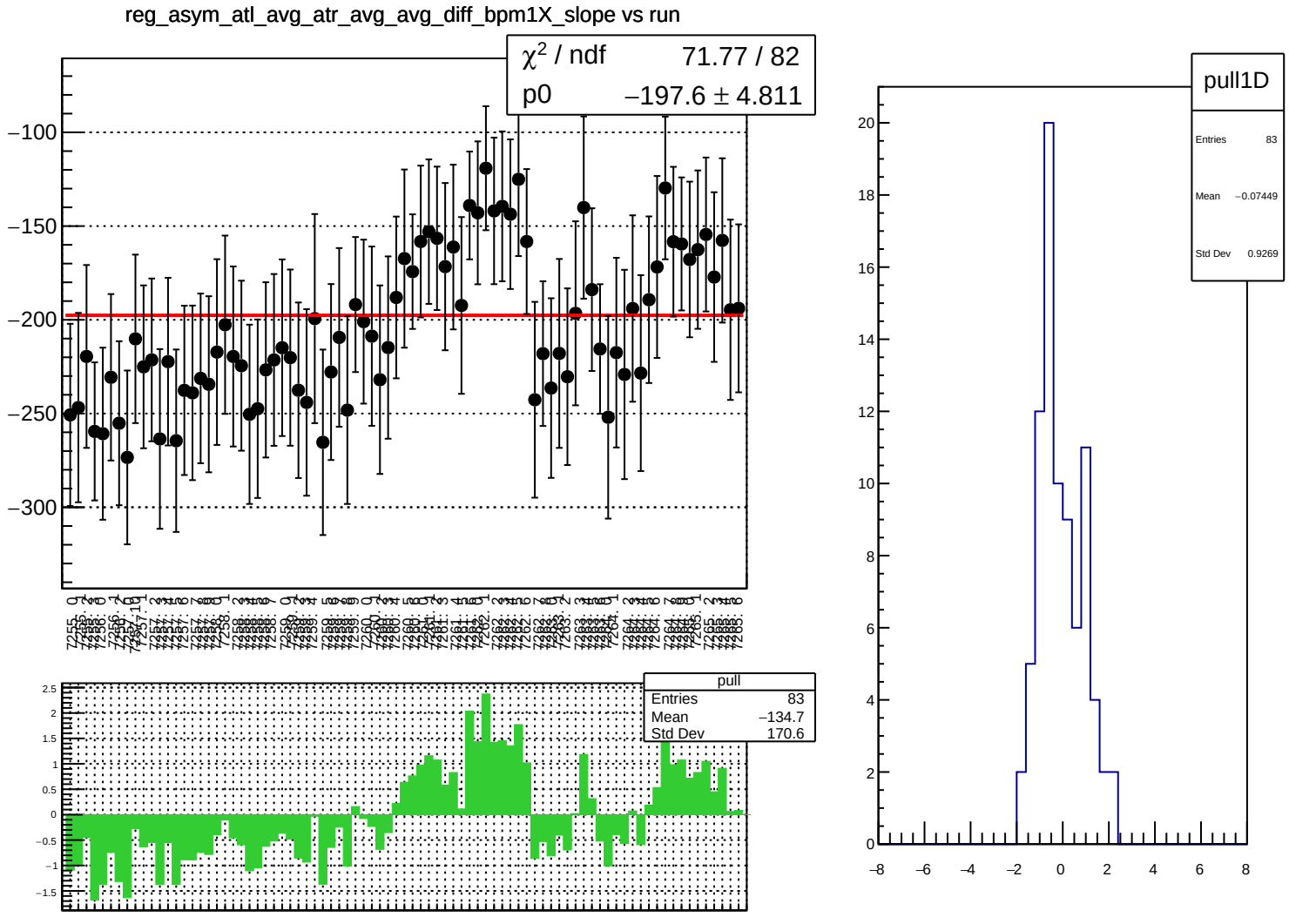

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.4 / 82
p0 55.16 ± 1.392
pull
Entries 83
Mean −0.1041
Std Dev 36.39
pull1D
Entries 83
Mean 0.0685
Std Dev 1.108

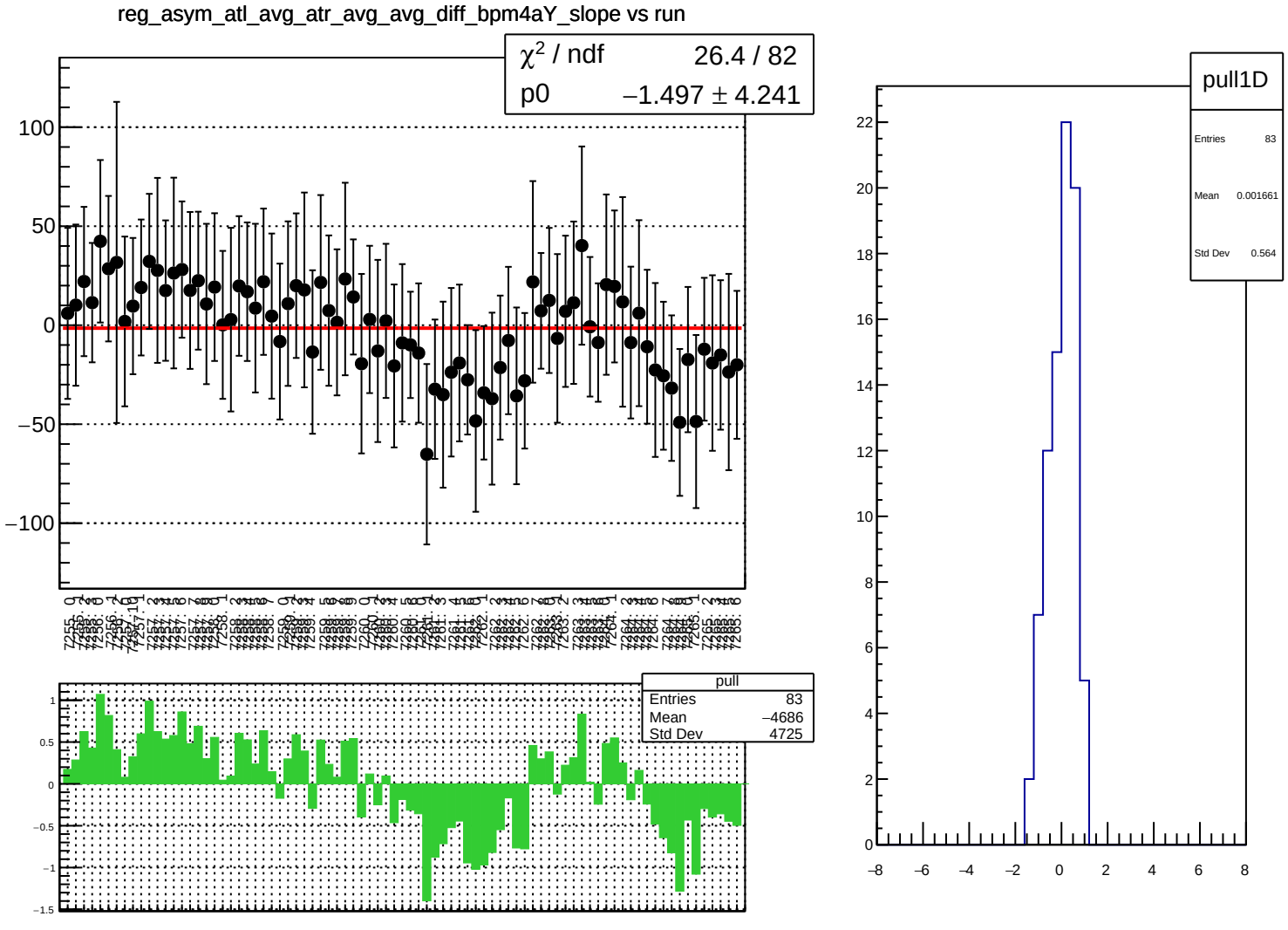

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 119.1 / 82
p0 10.54 ± 1.201
pull
Entries 83
Mean −238
Std Dev 278.5

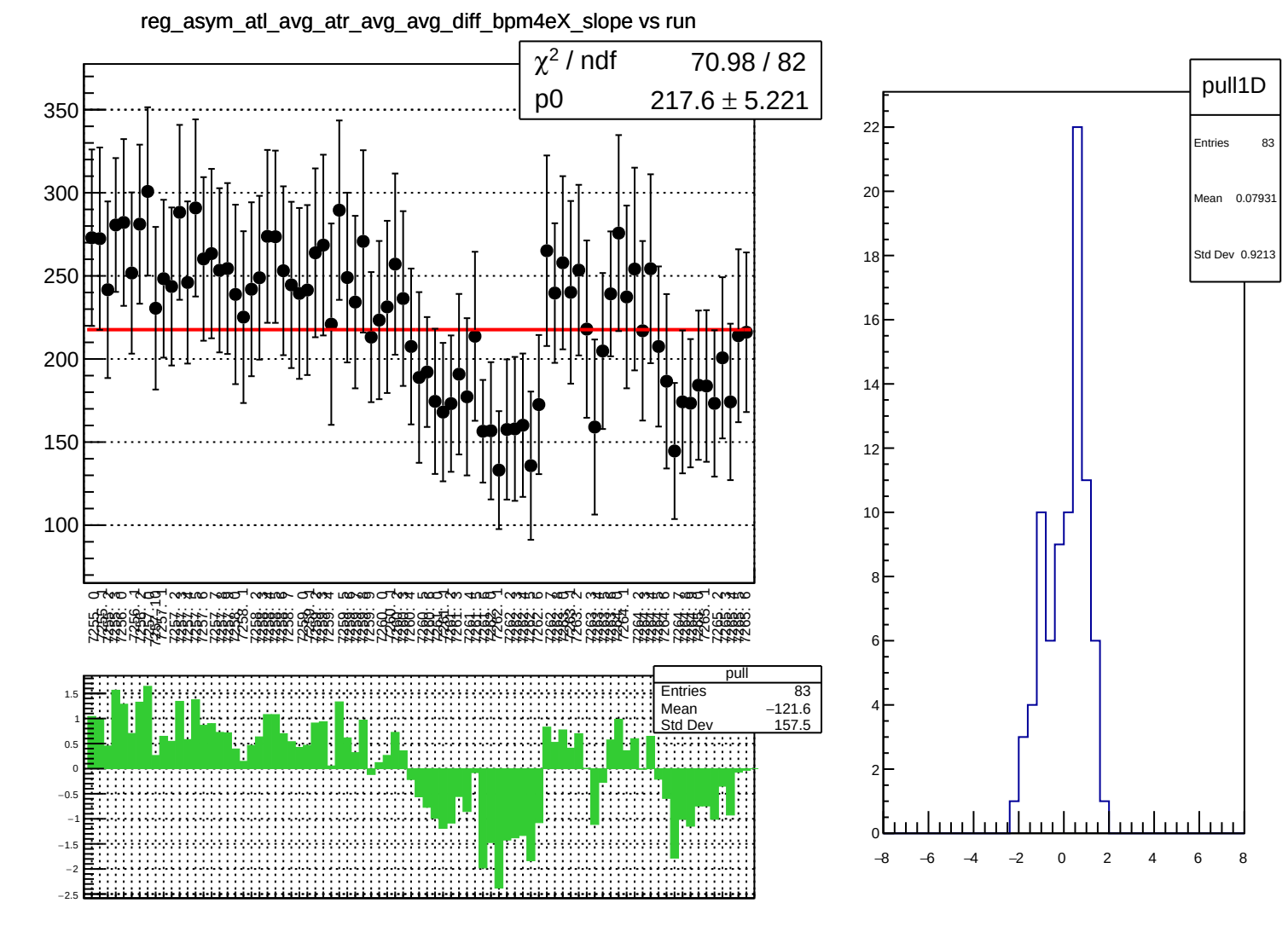

pull1D
Entries 83
Mean −0.04196
Std Dev 1.197

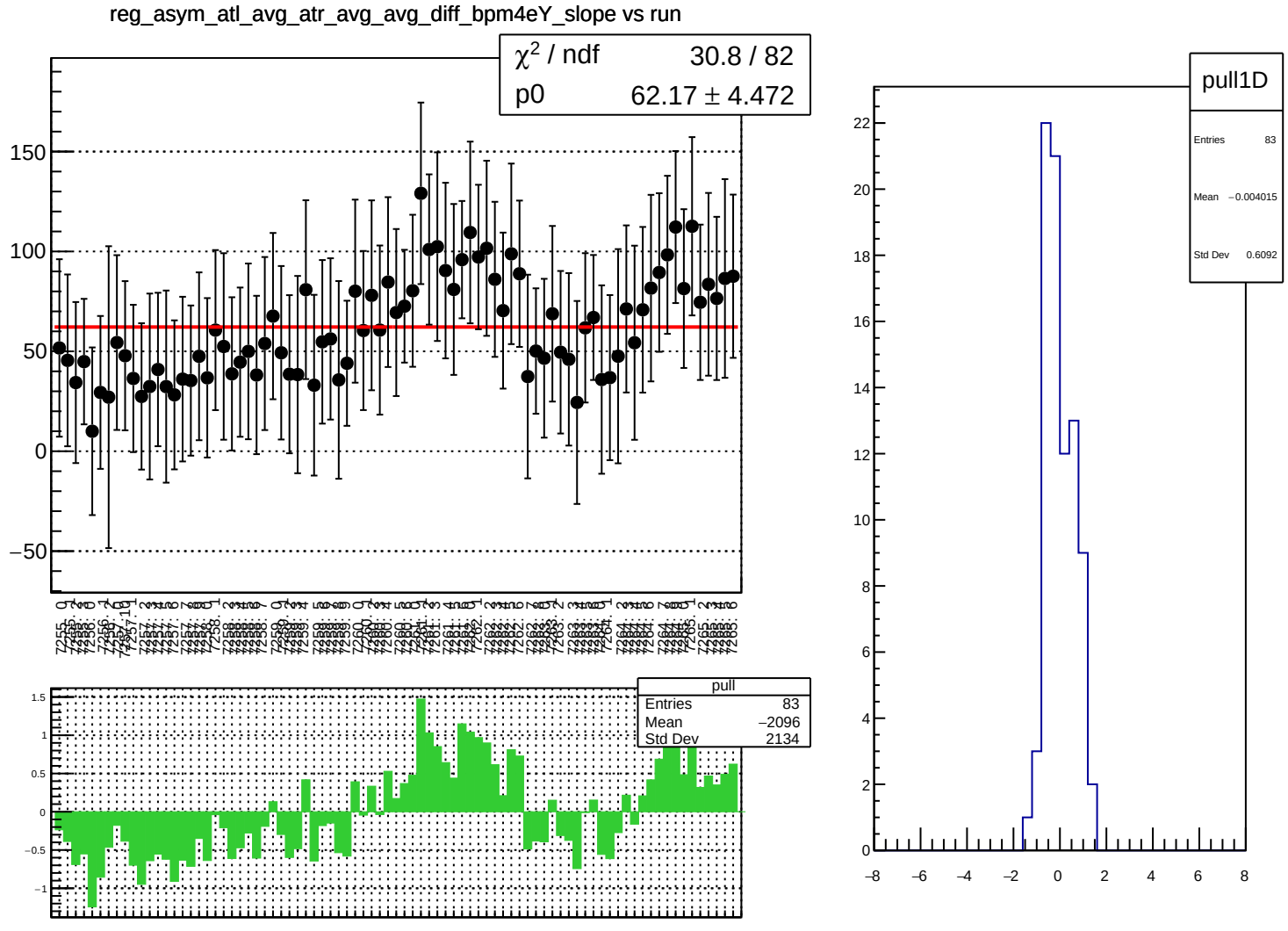

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 744.8 / 82
p0 −6.501 ± 0.05071
pull
Entries 83
Mean 2.038e+04
Std Dev 2.034e+04

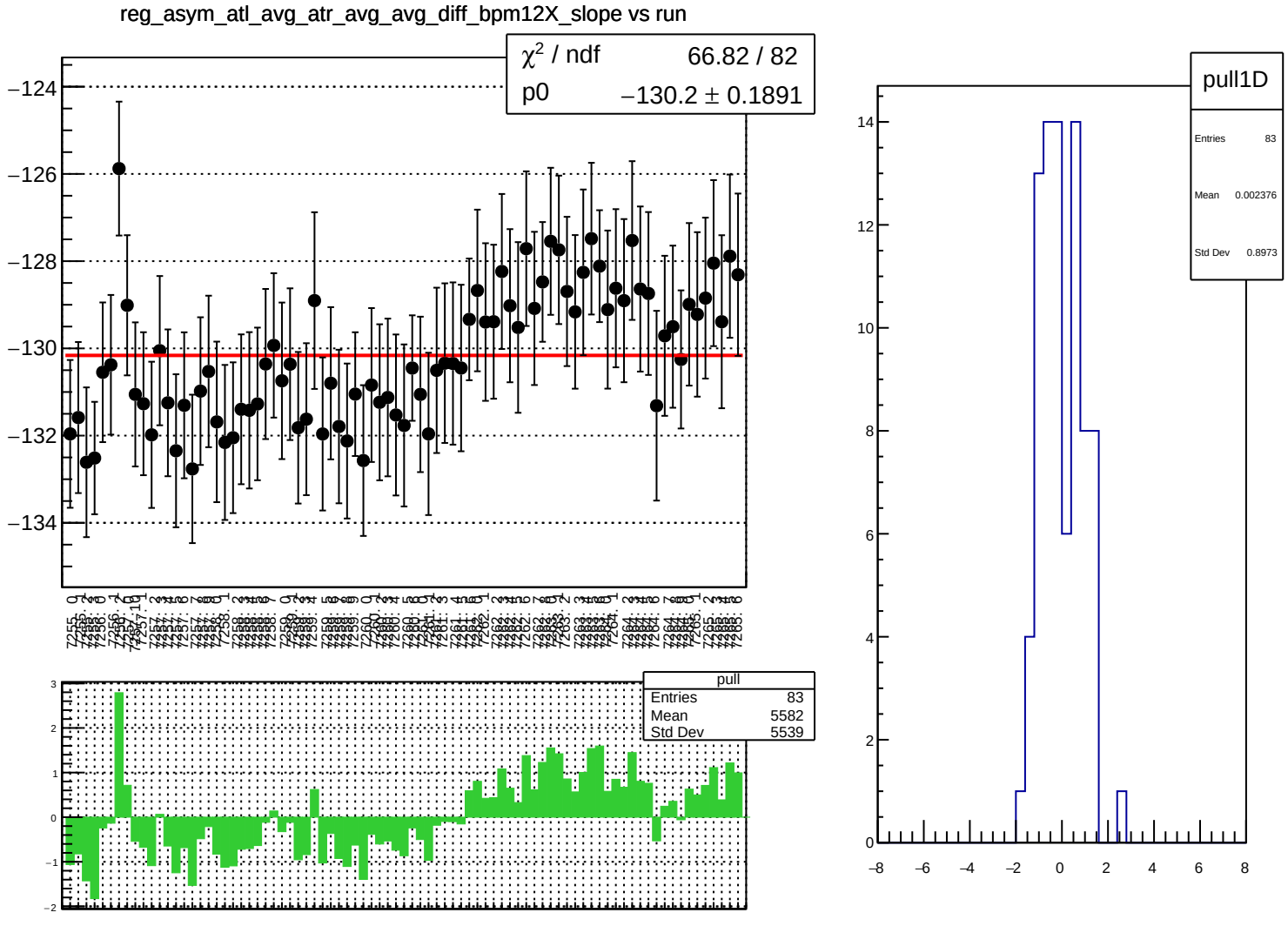

pull1D
Entries 83
Mean 0.09659
Std Dev 2.875

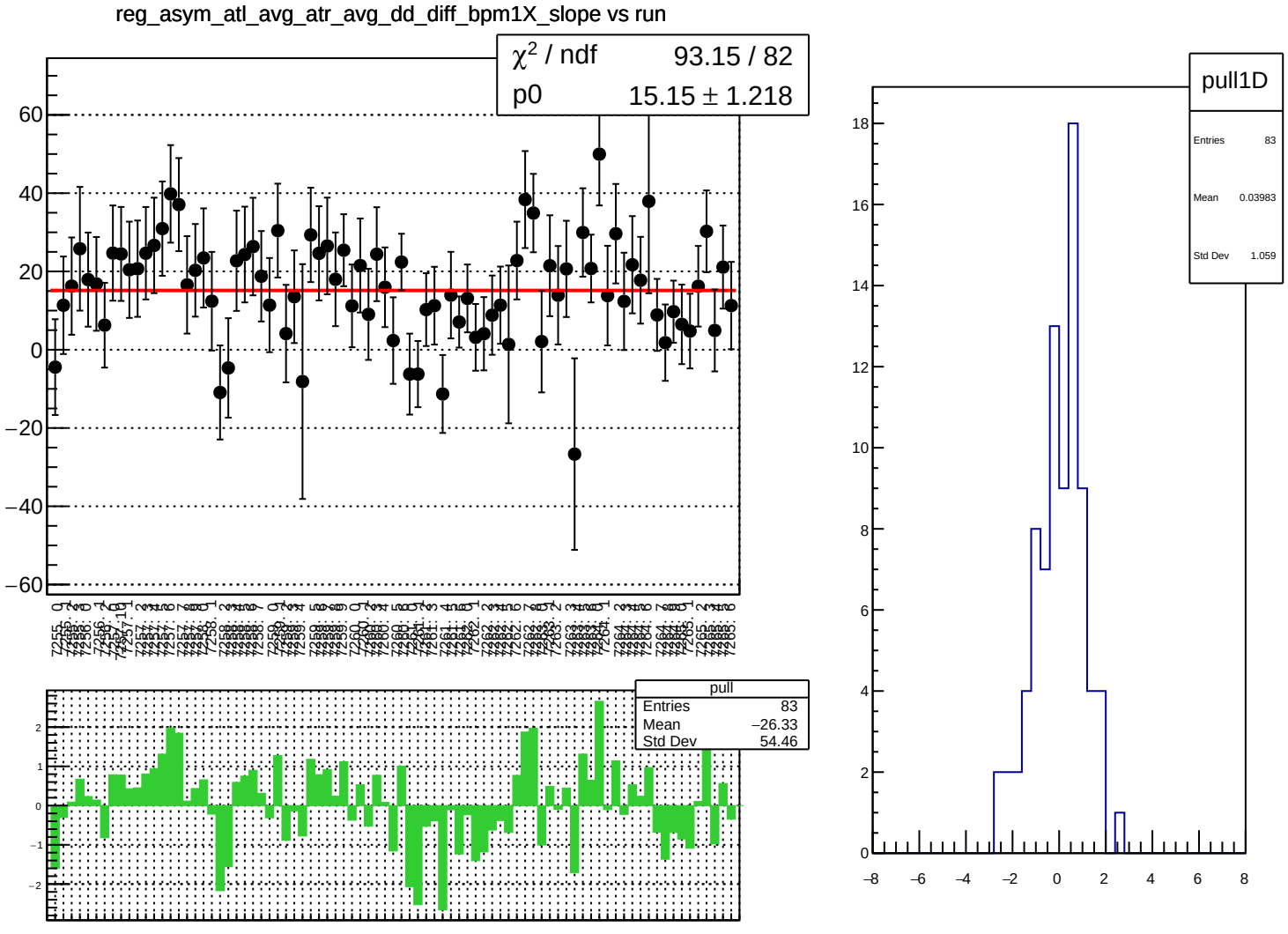

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 71.77 / 82
p0 −197.6 ± 4.811
pull
Entries 83
Mean −134.7
Std Dev 170.6
pull1D
Entries 83
Mean −0.07449
Std Dev 0.9269

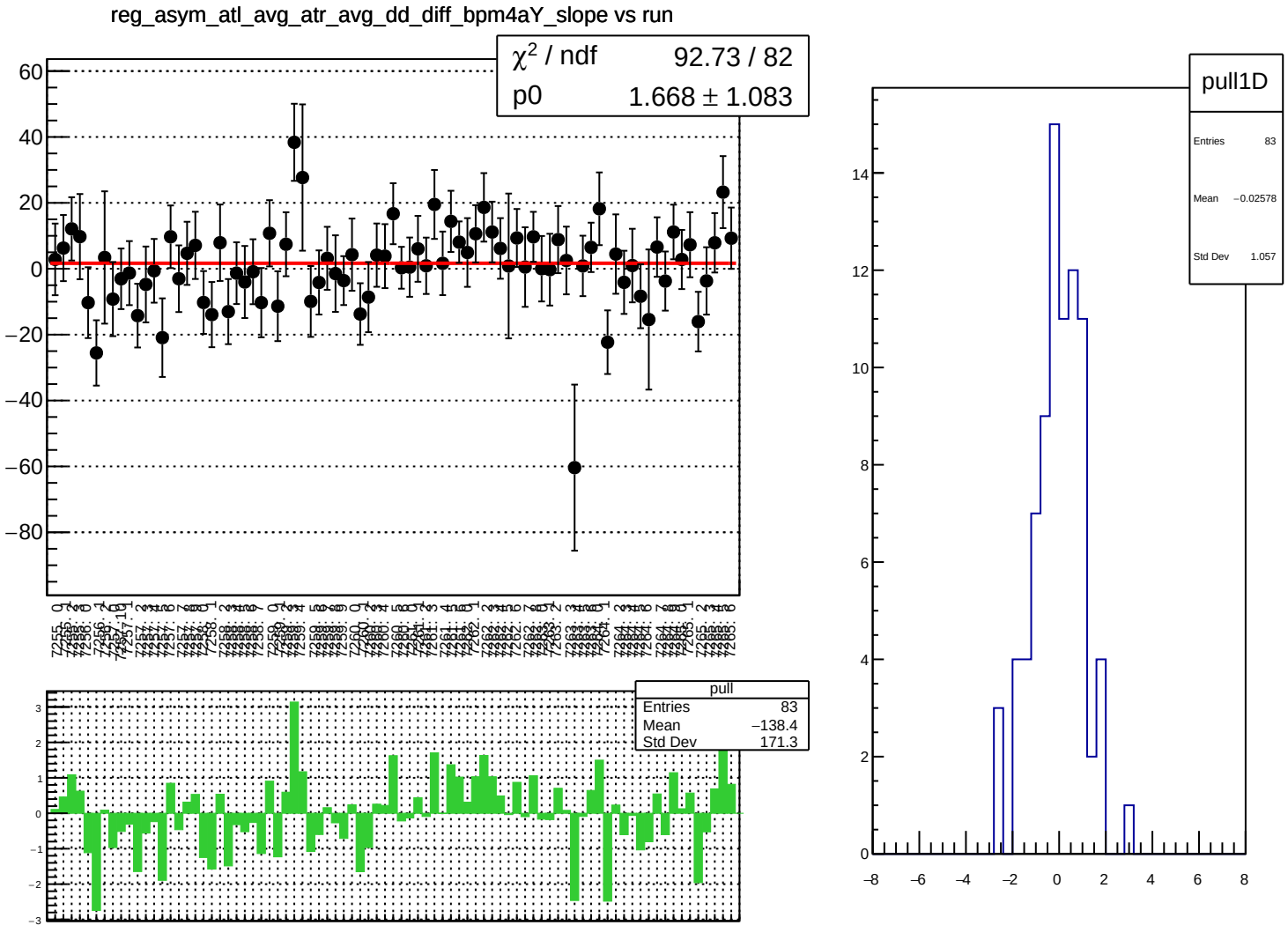

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.4 / 82
p0 −1.497 ± 4.241
pull
Entries 83
Mean −4686
Std Dev 4725
pull1D
Entries 83
Mean 0.001661
Std Dev 0.564

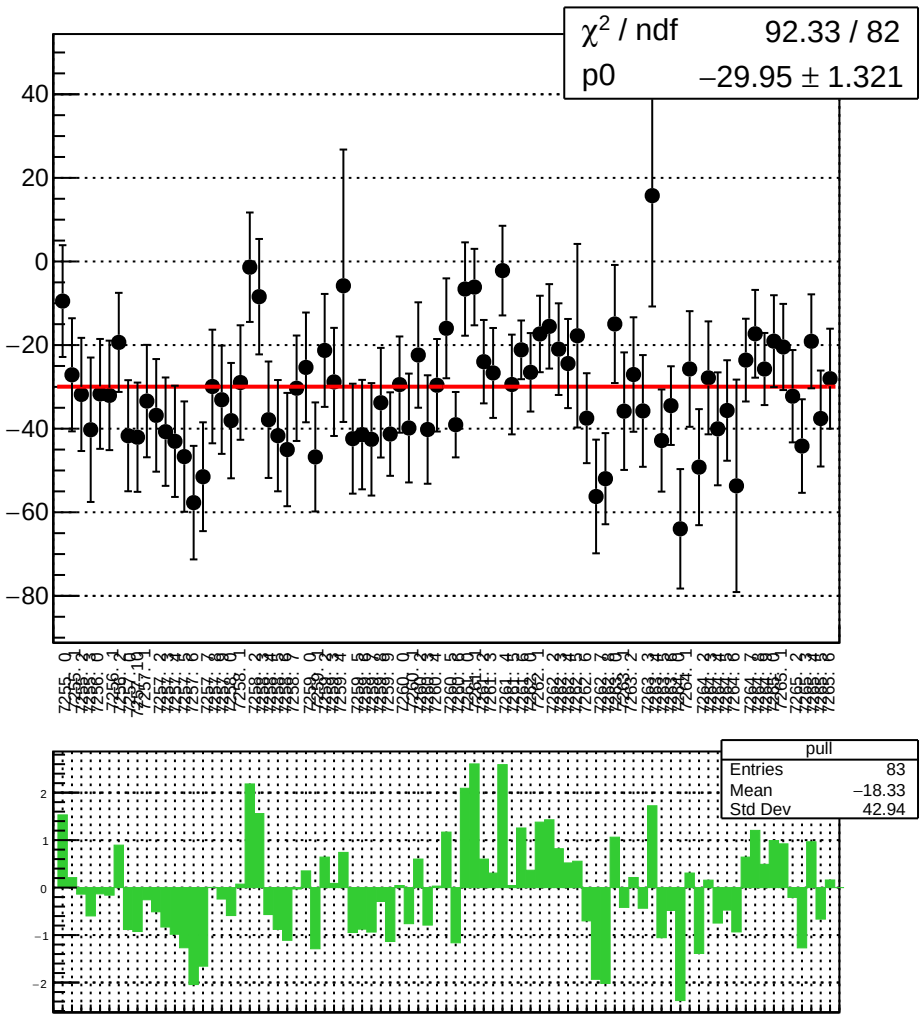

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.98 / 82
p0 217.6 ± 5.221
350
300
250
200
150
100
pull
Entries 83
Mean −121.6
Std Dev 157.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean 0.07931
Std Dev 0.9213
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

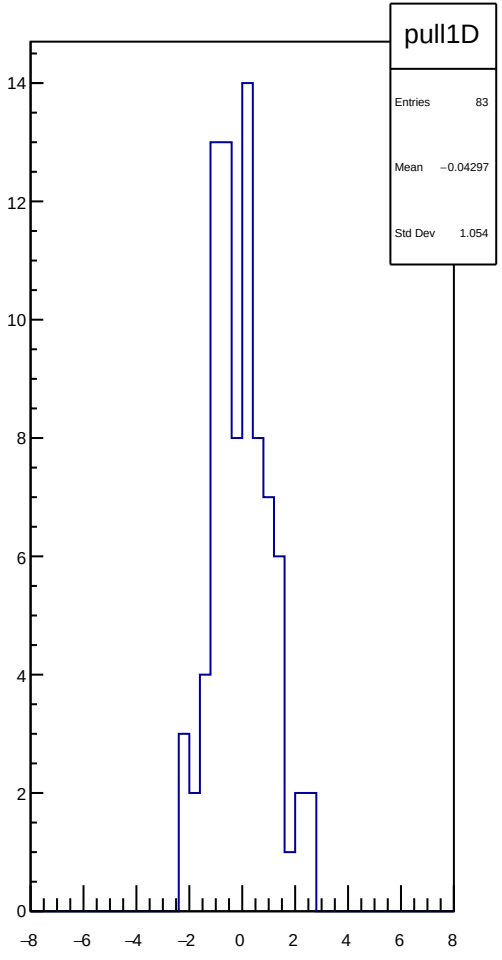

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.8 / 82
p0 62.17 ± 4.472
150
100
50
0
−50
pull
Entries 83
Mean −2096
Std Dev 2134
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 83
Mean −0.004015
Std Dev 0.6092
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

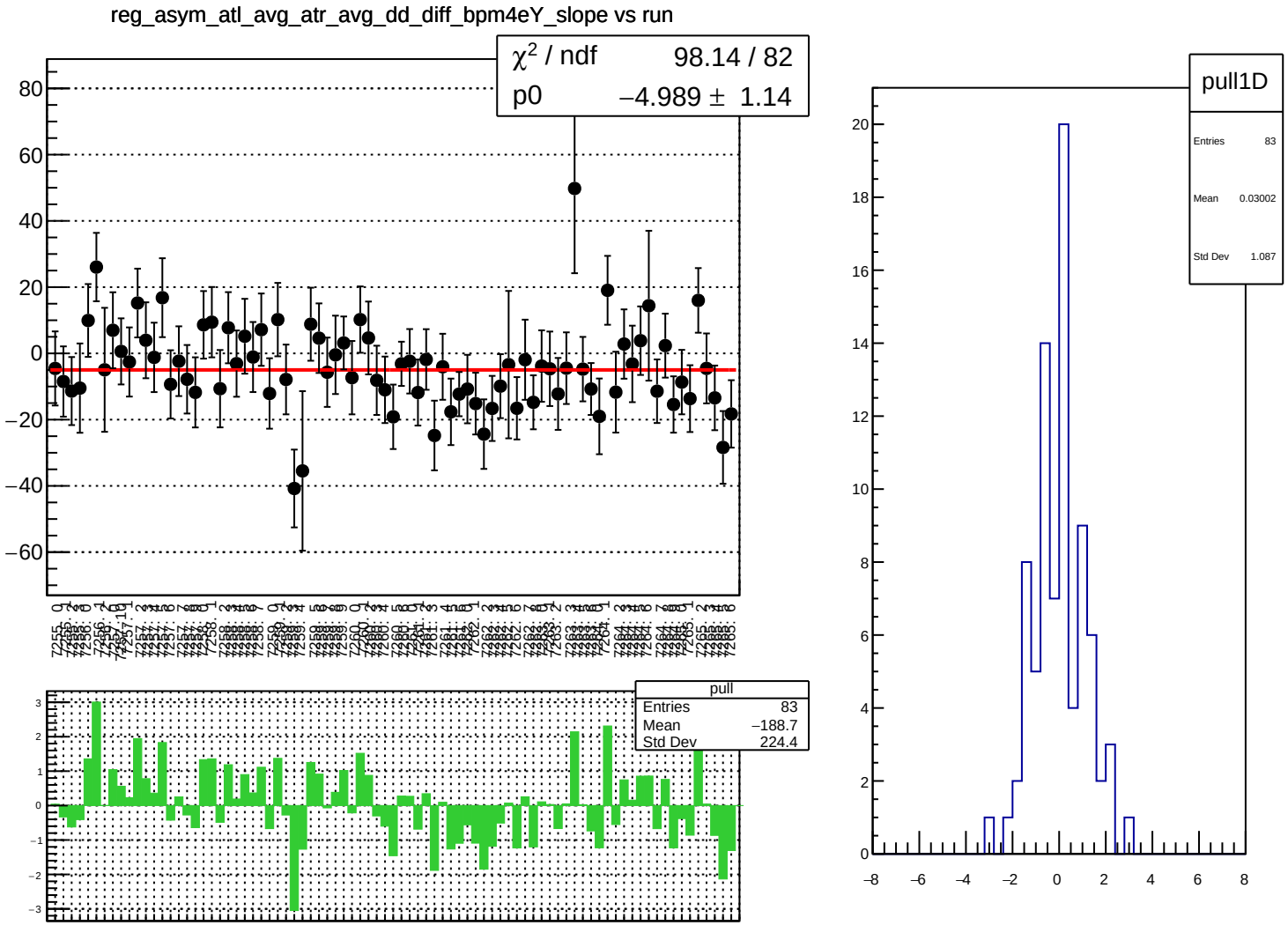

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 66.82 / 82
p0 −130.2 ± 0.1891
−124
−126
−128
−130
−132
−134
pull
Entries 83
Mean 5582
Std Dev 5539
pull1D
Entries 83
Mean 0.002376
Std Dev 0.8973

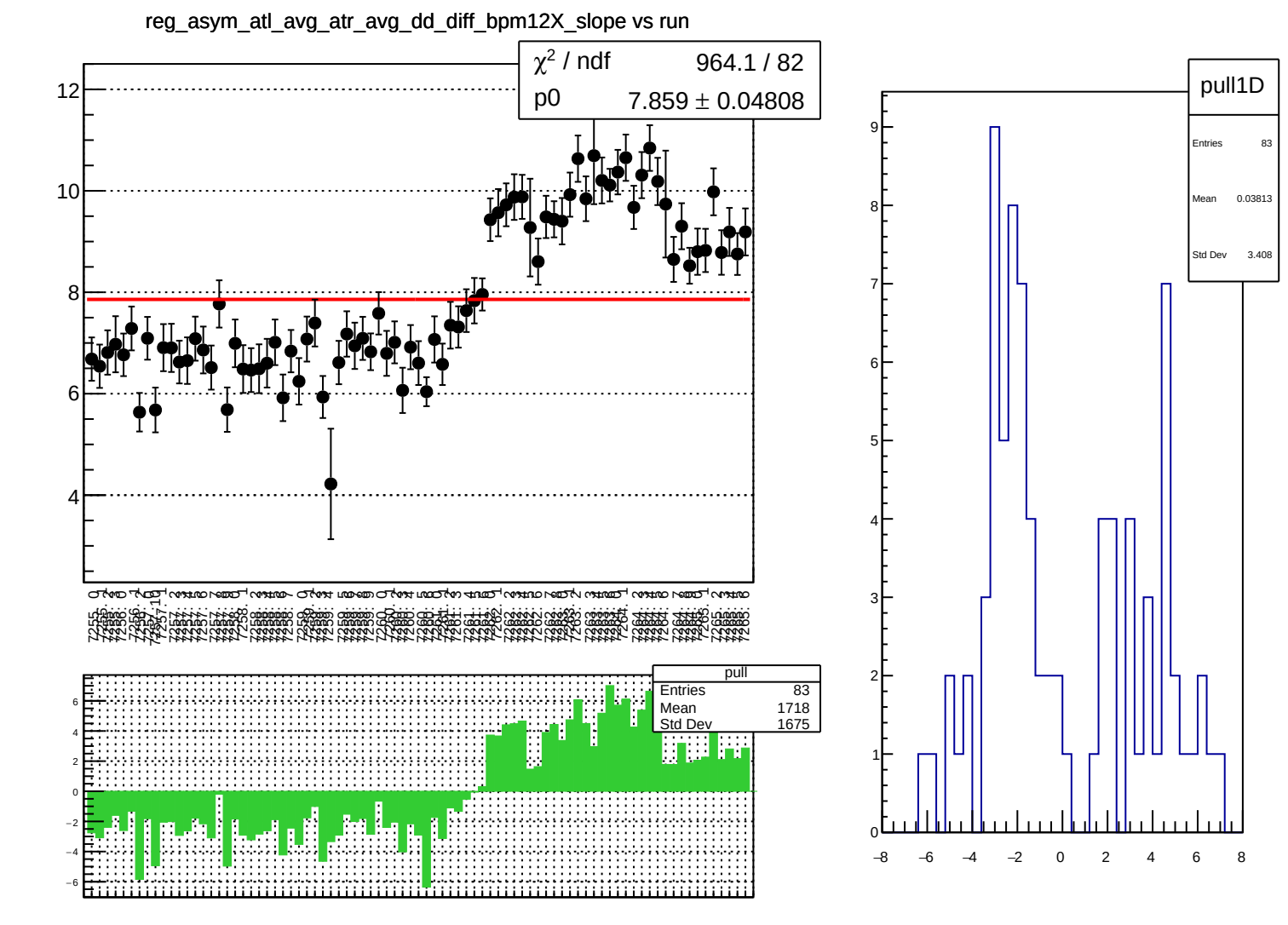

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 93.15 / 82
p0 15.15 ± 1.218
pull
Entries 83
Mean −26.33
Std Dev 54.46
pull1D
Entries 83
Mean 0.03983
Std Dev 1.059

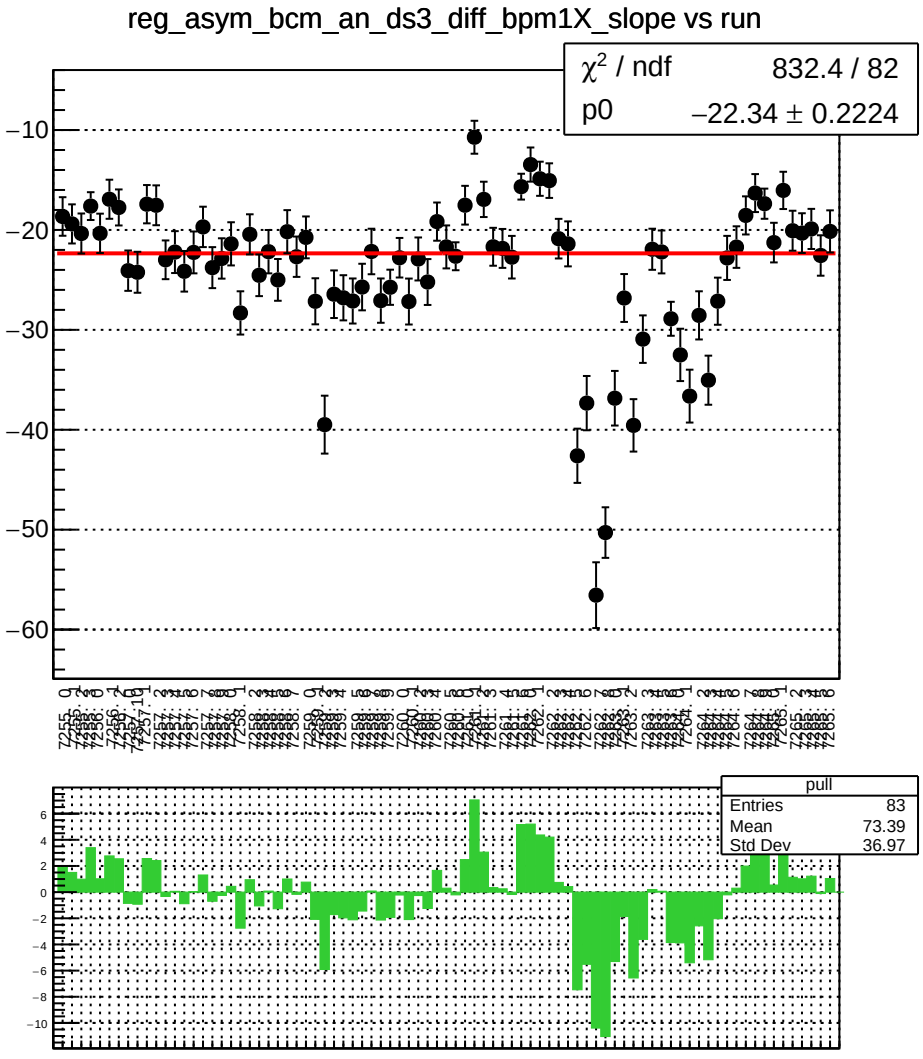

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 92.73 / 82
p0 1.668 ± 1.083
pull
Entries 83
Mean −138.4
Std Dev 171.3
pull1D
Entries 83
Mean −0.02578
Std Dev 1.057

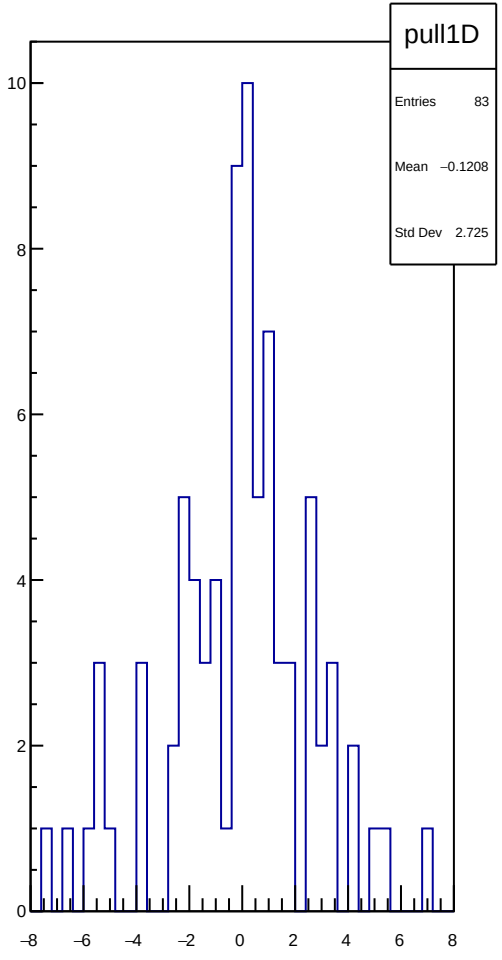

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.33 / 82
p0 −29.95 ± 1.321
pull
Entries 83
Mean −18.33
Std Dev 42.94

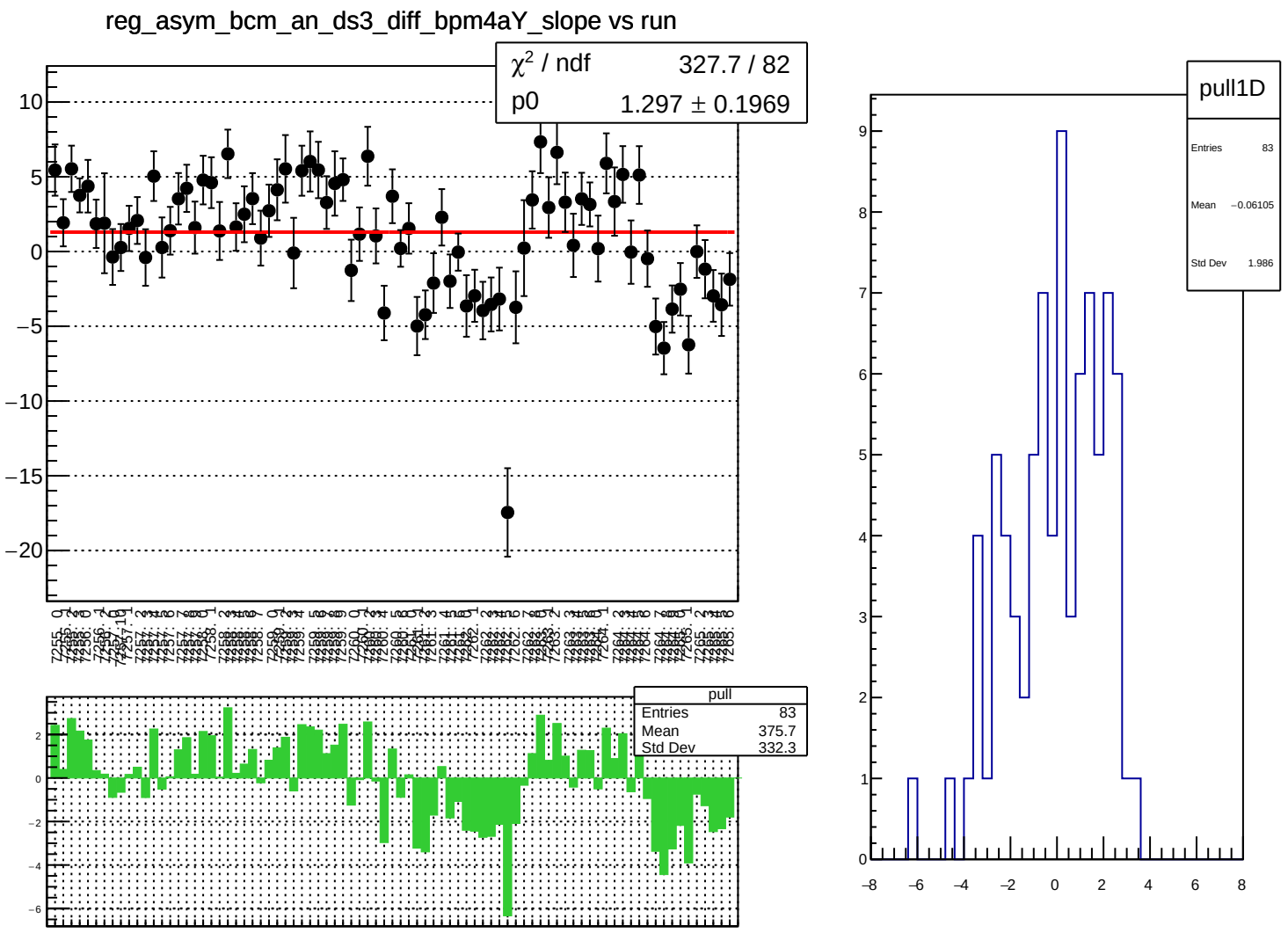

pull1D
Entries 83
Mean −0.04297
Std Dev 1.054

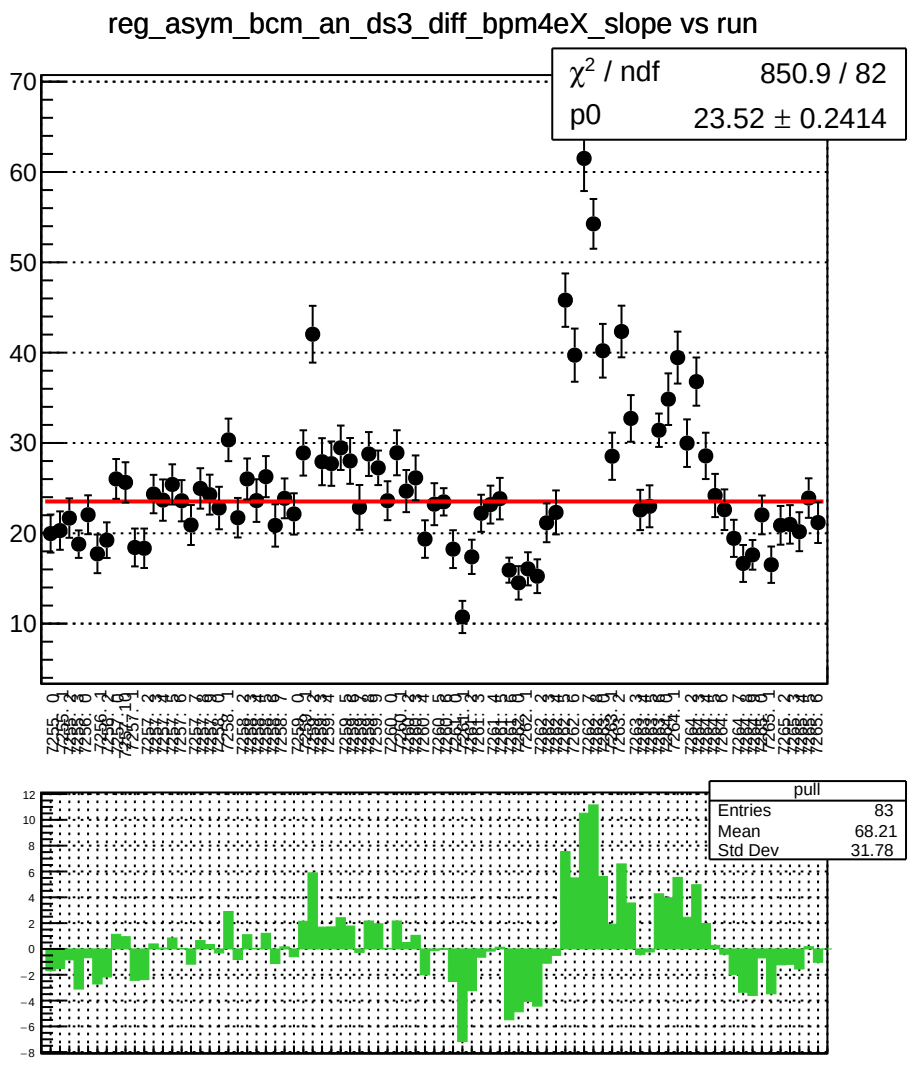

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 98.14 / 82
p0 −4.989 ± 1.14
pull
Entries 83
Mean −188.7
Std Dev 224.4
pull1D
Entries 83
Mean 0.03002
Std Dev 1.087

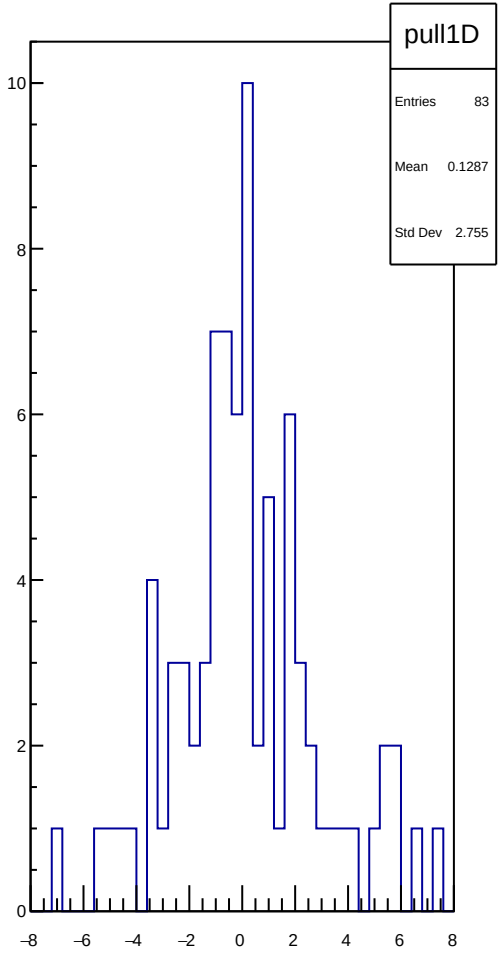

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 964.1 / 82
p0 7.859 ± 0.04808
pull
Entries 83
Mean 1718
Std Dev 1675
pull1D
Entries 83
Mean 0.03813
Std Dev 3.408

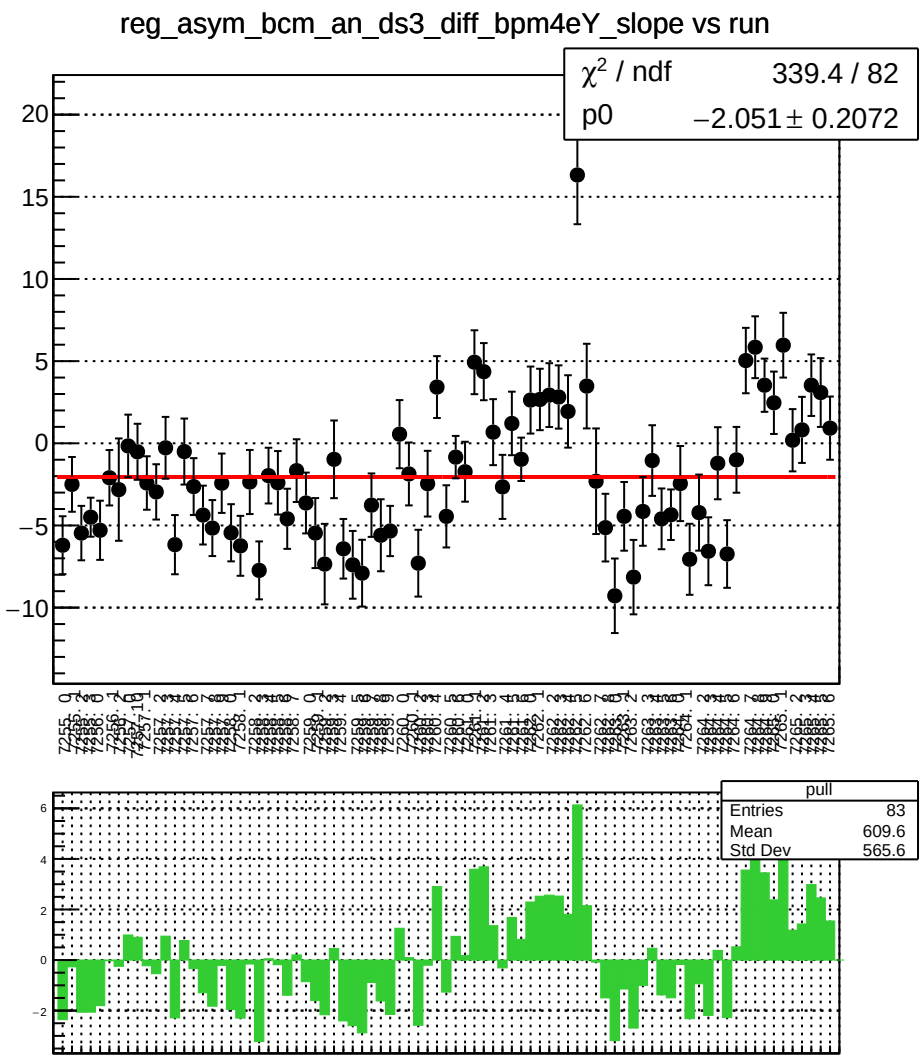

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 832.4 / 82
p0 −22.34 ± 0.2224
pull
Entries 83
Mean 73.39
Std Dev 36.97

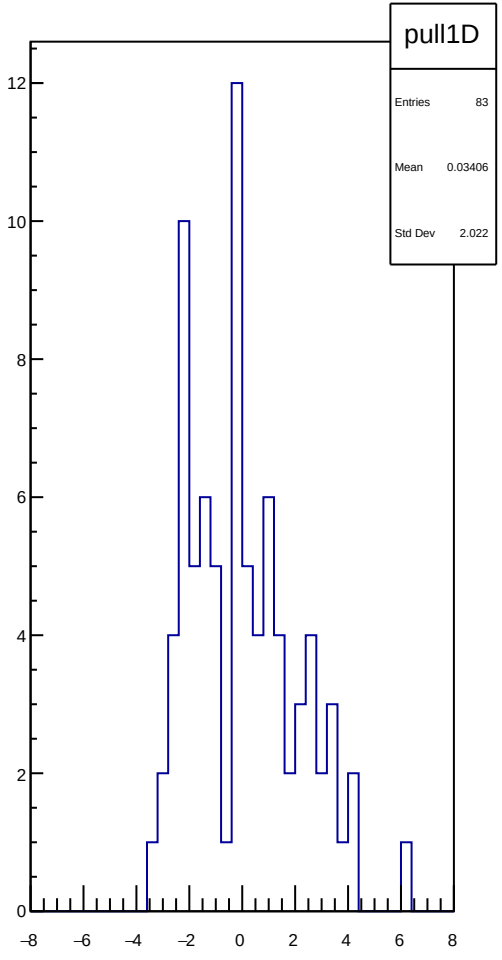

pull1D
Entries 83
Mean −0.1208
Std Dev 2.725

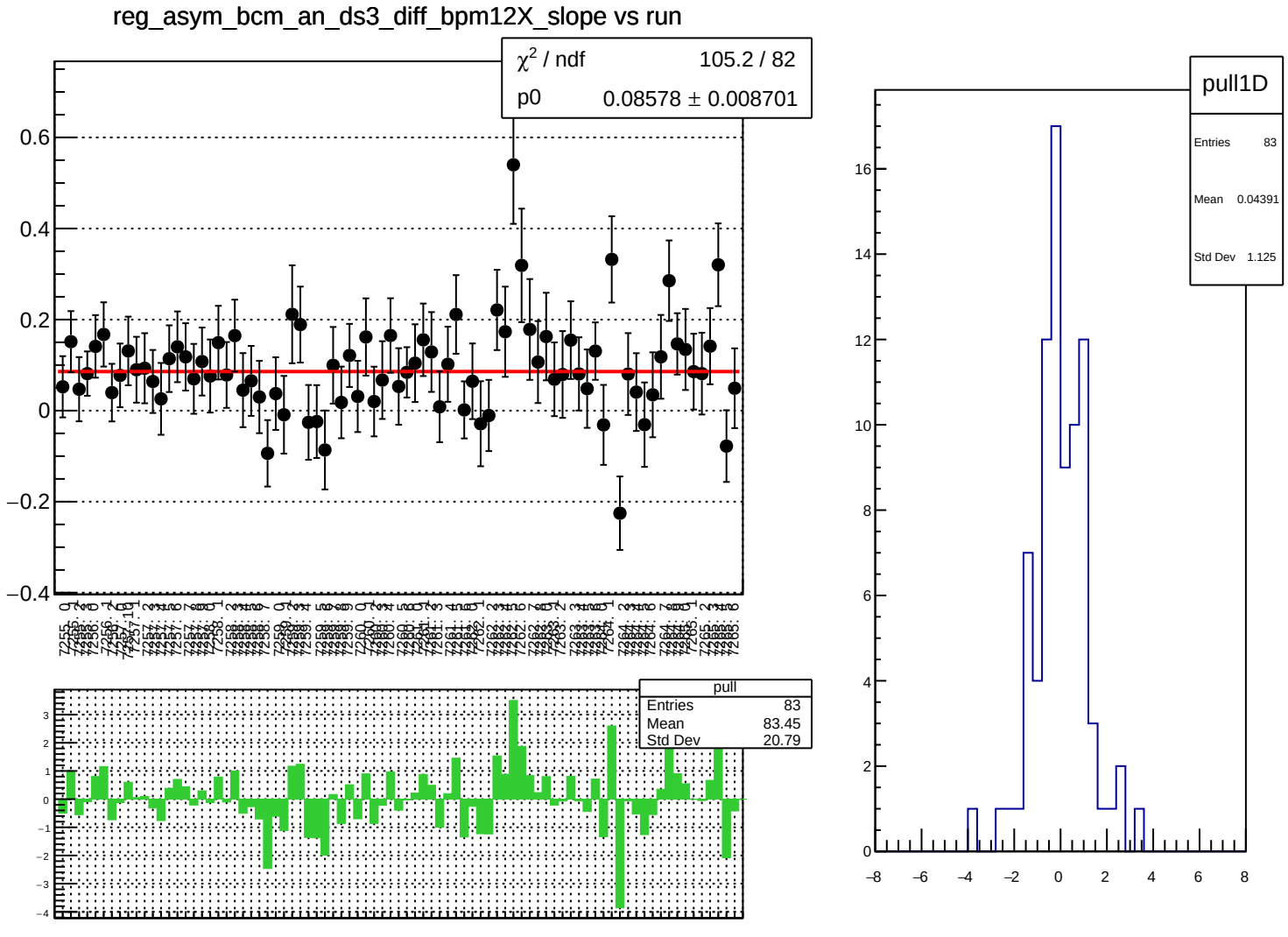

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 327.7 / 82
p0 1.297 ± 0.1969
pull
Entries 83
Mean 375.7
Std Dev 332.3
pull1D
Entries 83
Mean −0.06105
Std Dev 1.986

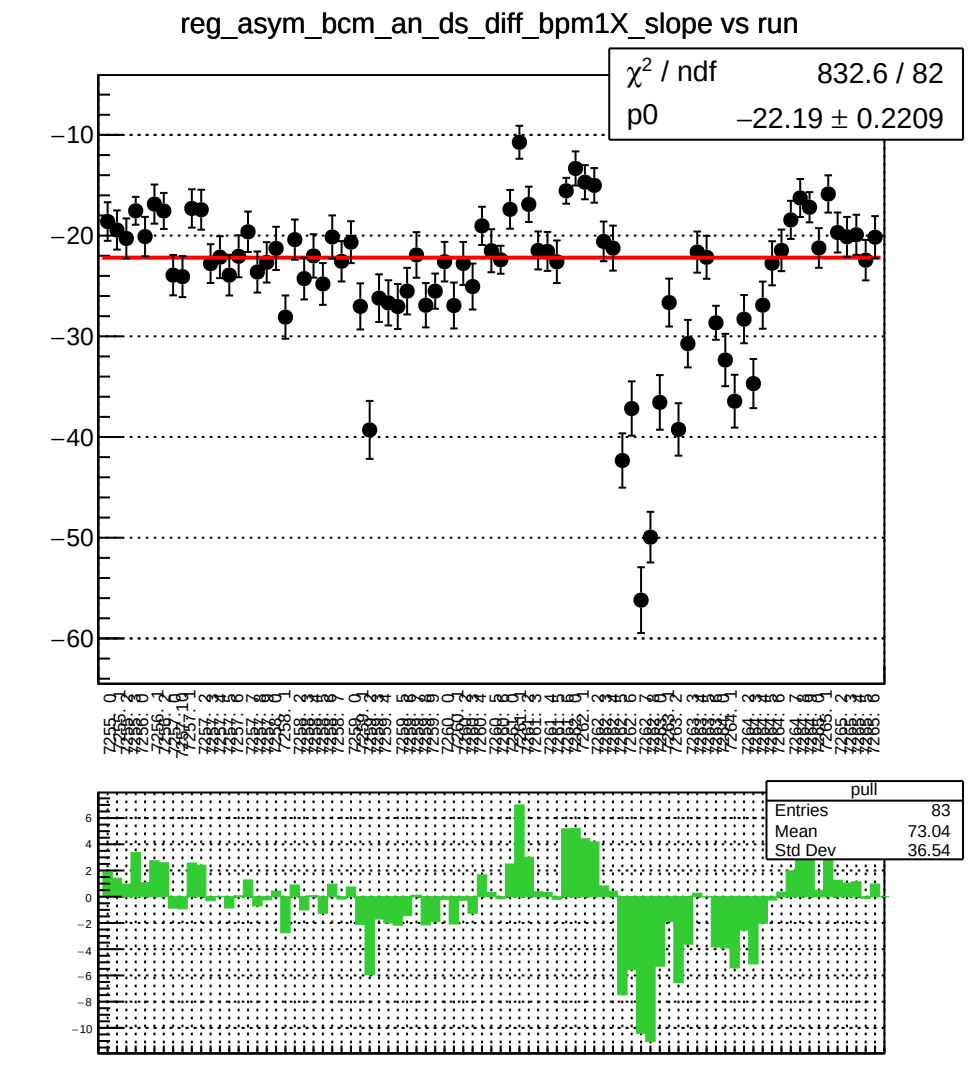

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 850.9 / 82
p0 23.52 ± 0.2414
pull
Entries 83
Mean 68.21
Std Dev 31.78

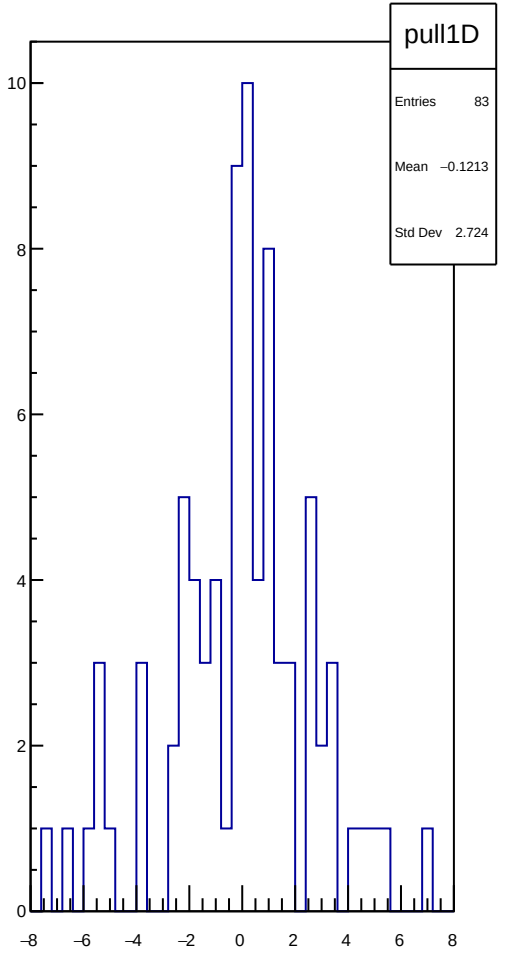

pull1D
Entries 83
Mean 0.1287
Std Dev 2.755

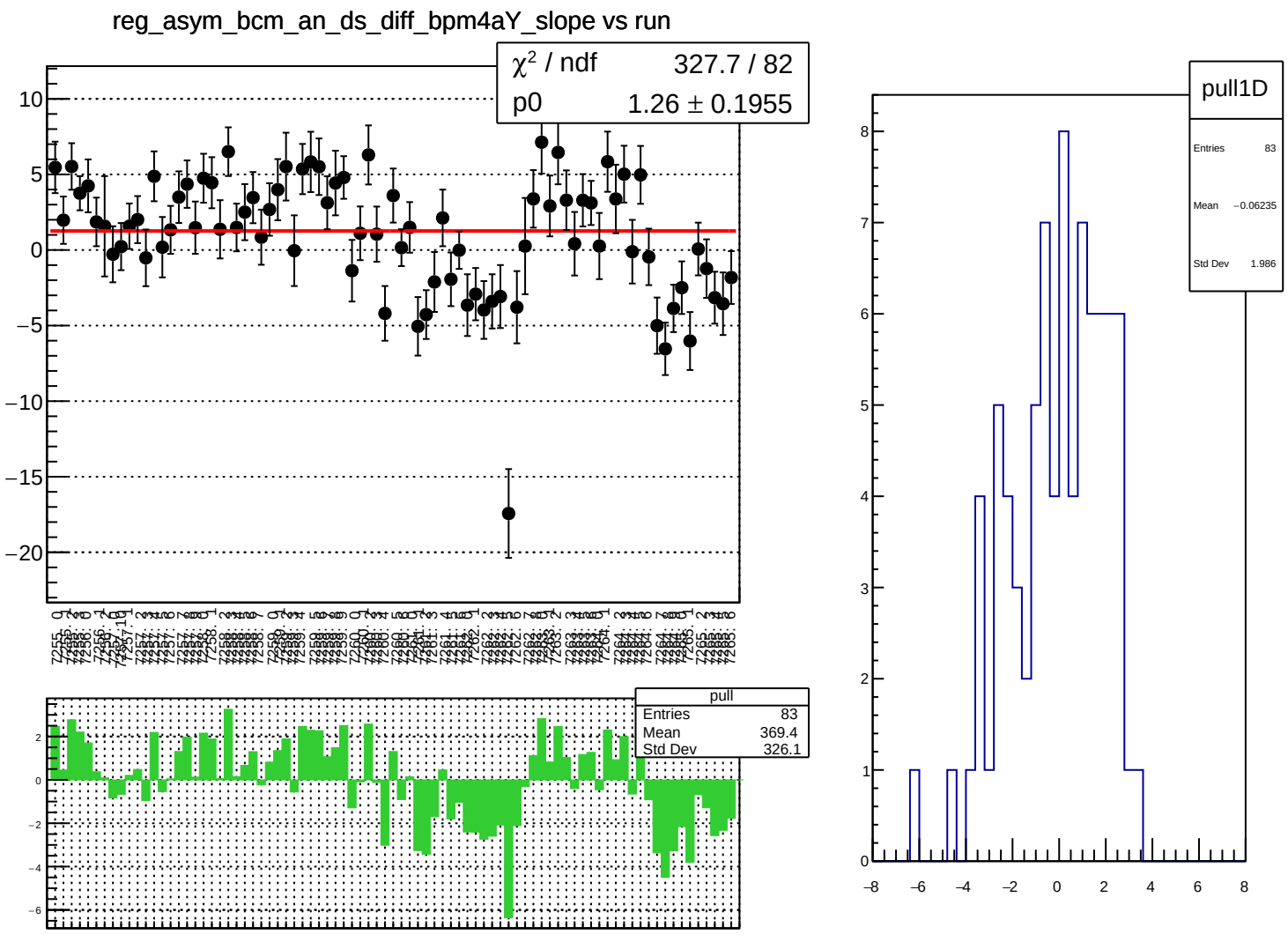

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 339.4 / 82
p0 −2.051 ± 0.2072
pull
Entries 83
Mean 609.6
Std Dev 565.6

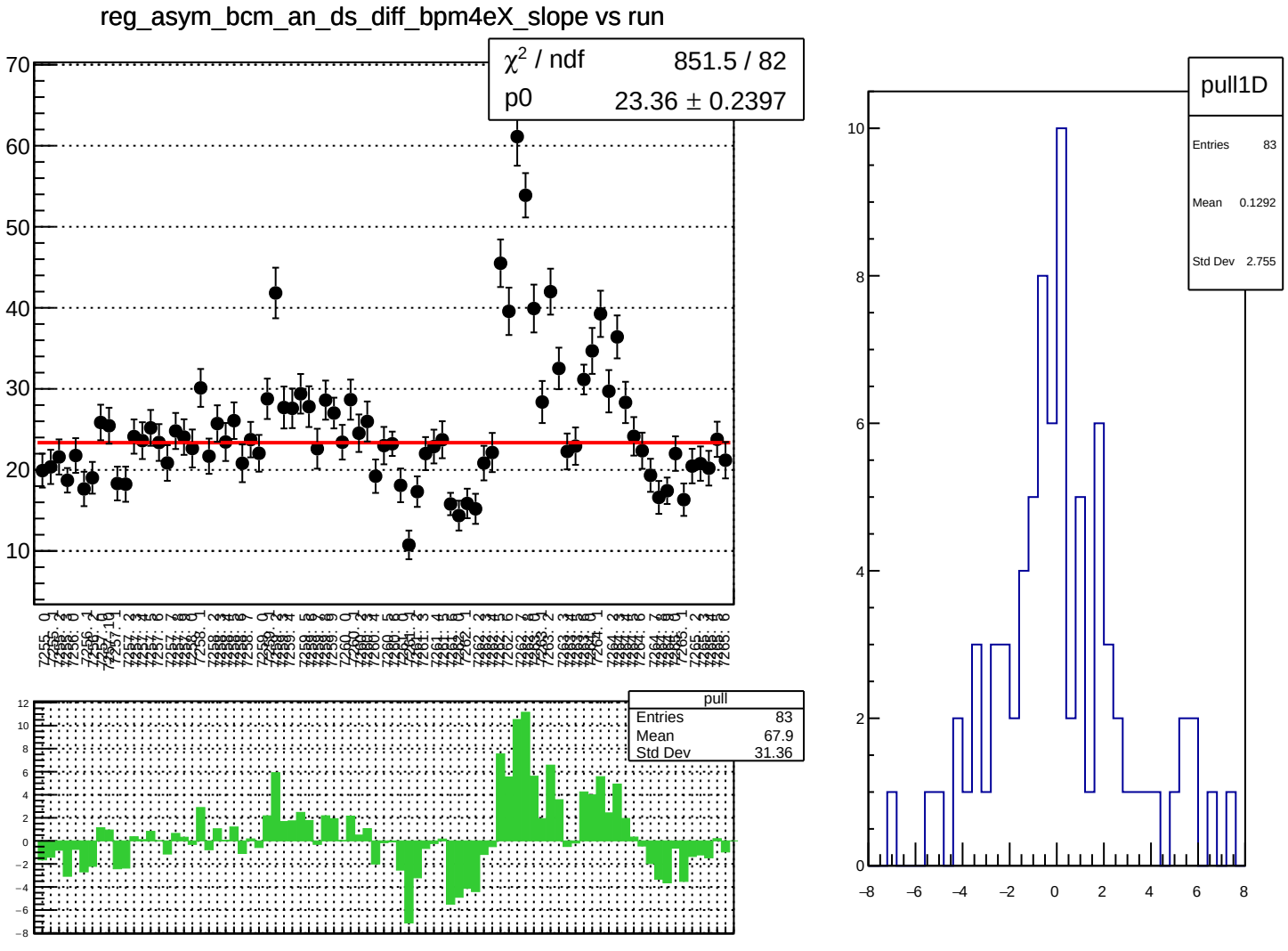

pull1D
Entries 83
Mean 0.03406
Std Dev 2.022

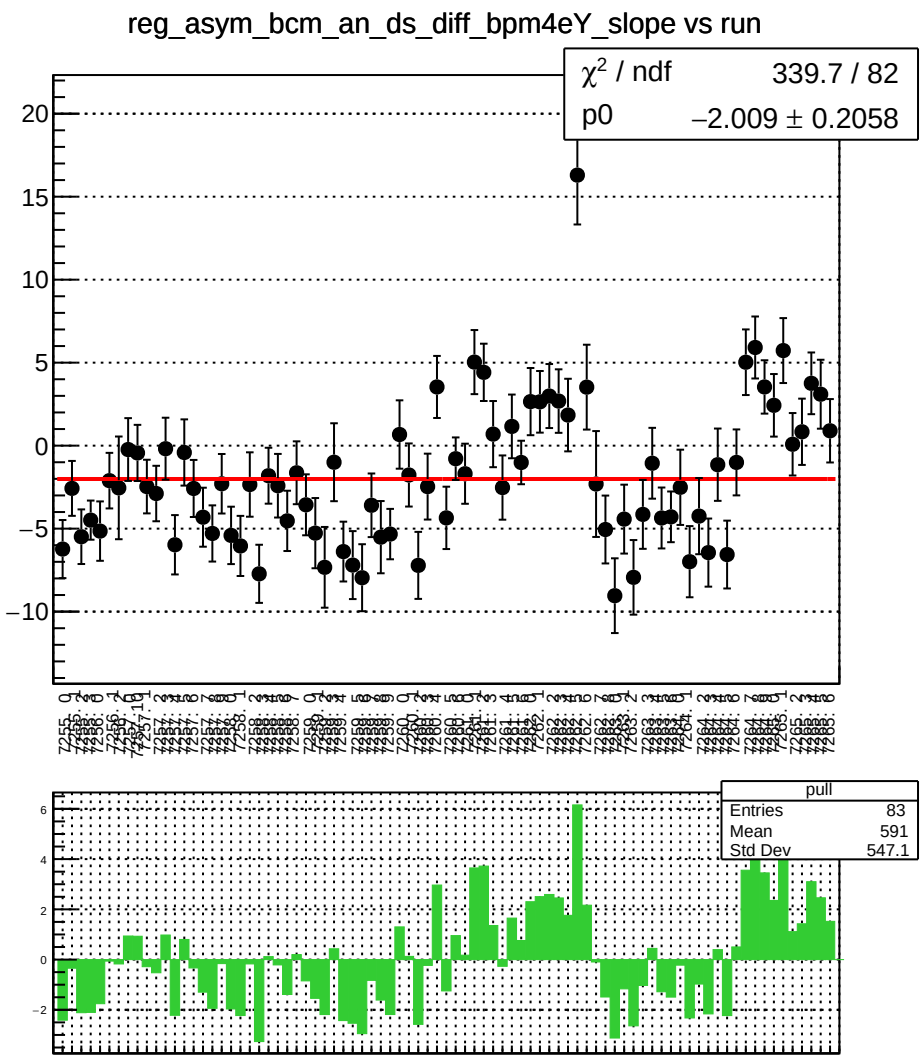

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 105.2 / 82
p0 0.08578 ± 0.008701
pull
Entries 83
Mean 83.45
Std Dev 20.79
pull1D
Entries 83
Mean 0.04391
Std Dev 1.125

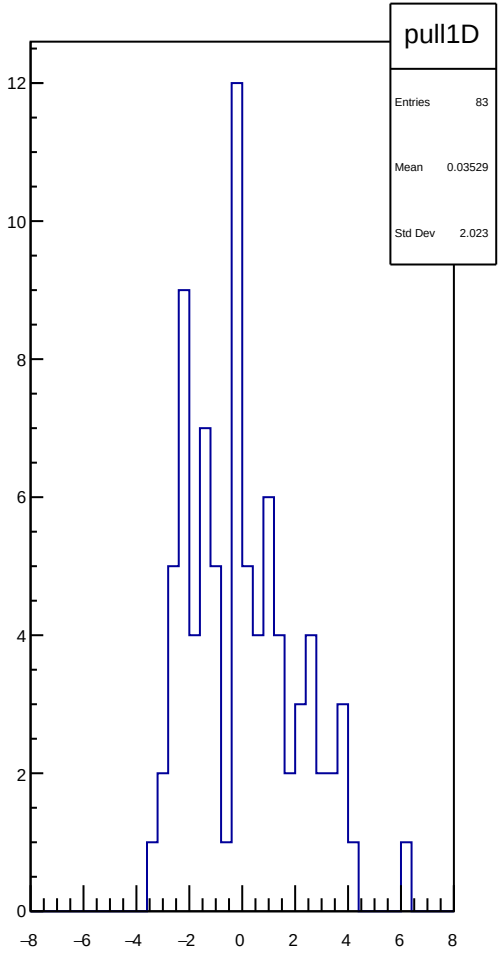

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 832.6 / 82
p0 −22.19 ± 0.2209
pull
Entries 83
Mean 73.04
Std Dev 36.54

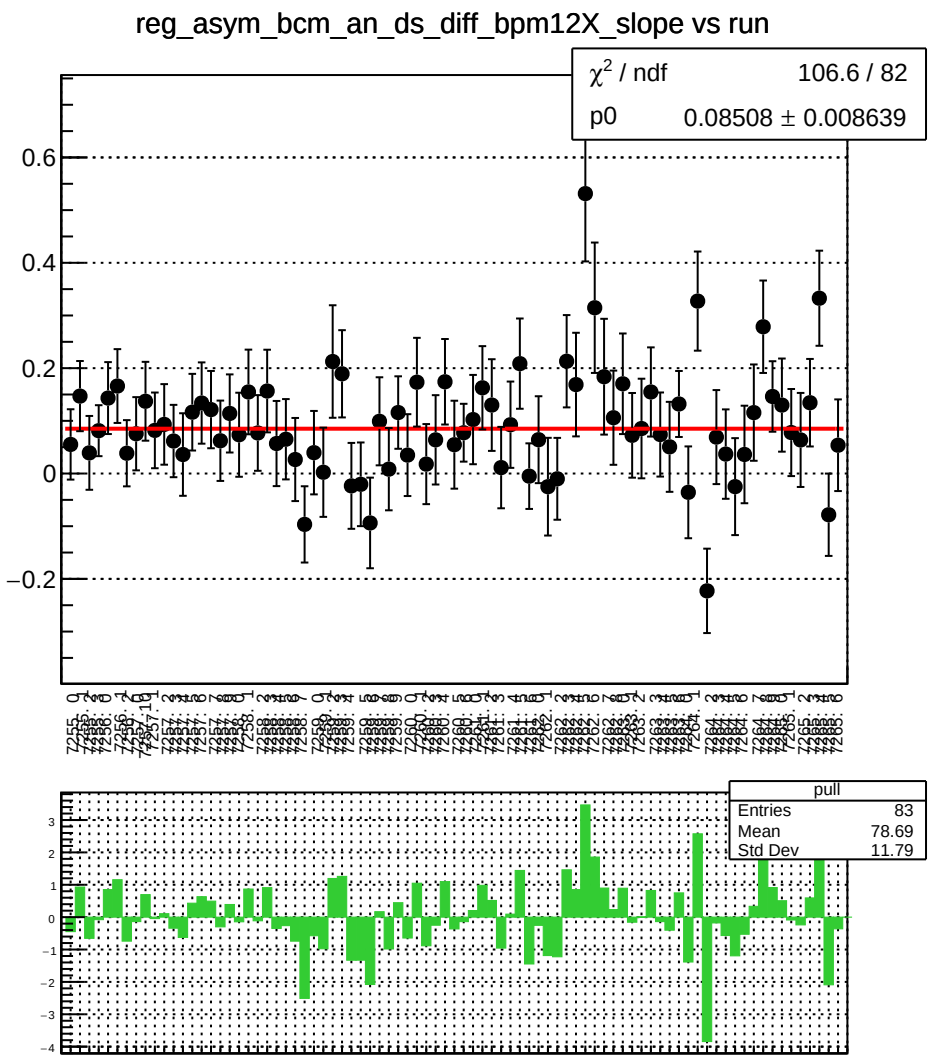

pull1D
Entries 83
Mean −0.1213
Std Dev 2.724

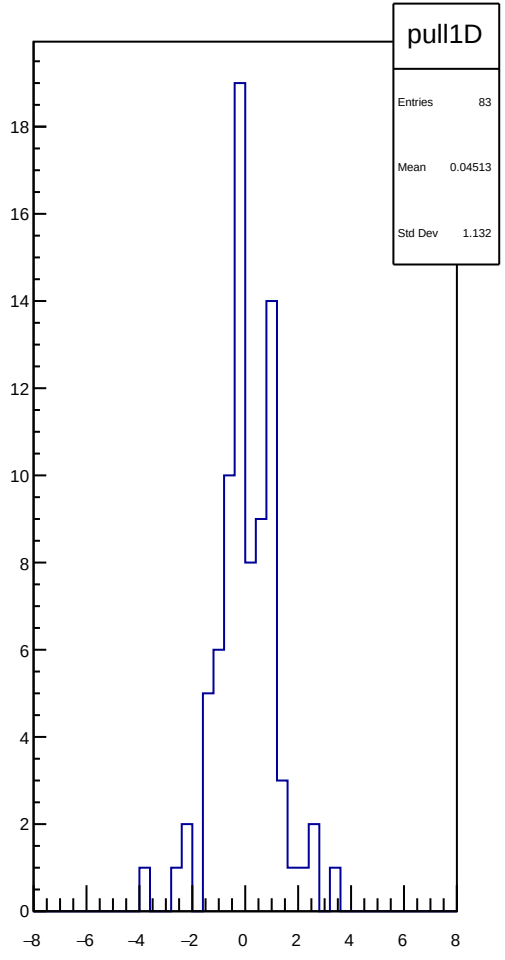

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 327.7 / 82
p0 1.26 ± 0.1955
pull
Entries 83
Mean 369.4
Std Dev 326.1
pull1D
Entries 83
Mean −0.06235
Std Dev 1.986

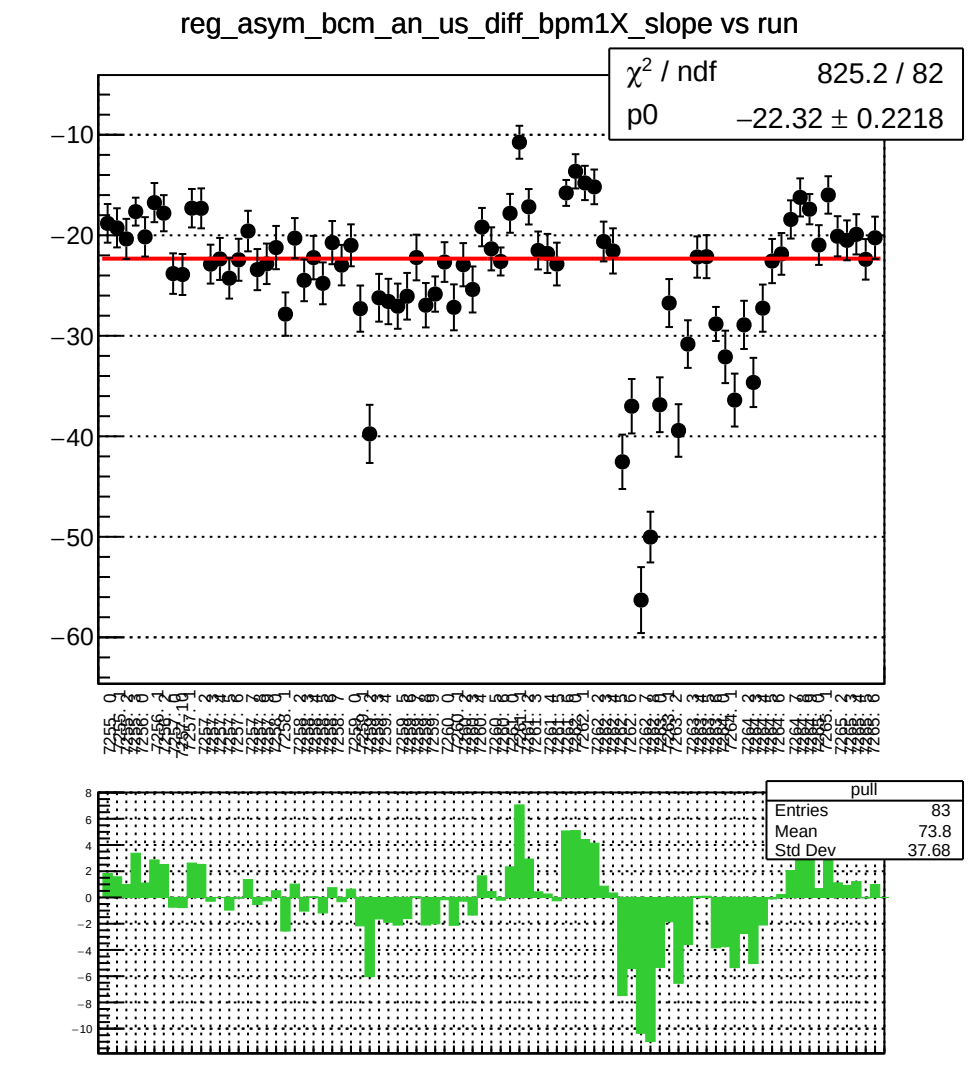

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 851.5 / 82
p0 23.36 ± 0.2397
pull
Entries 83
Mean 67.9
Std Dev 31.36
pull1D
Entries 83
Mean 0.1292
Std Dev 2.755

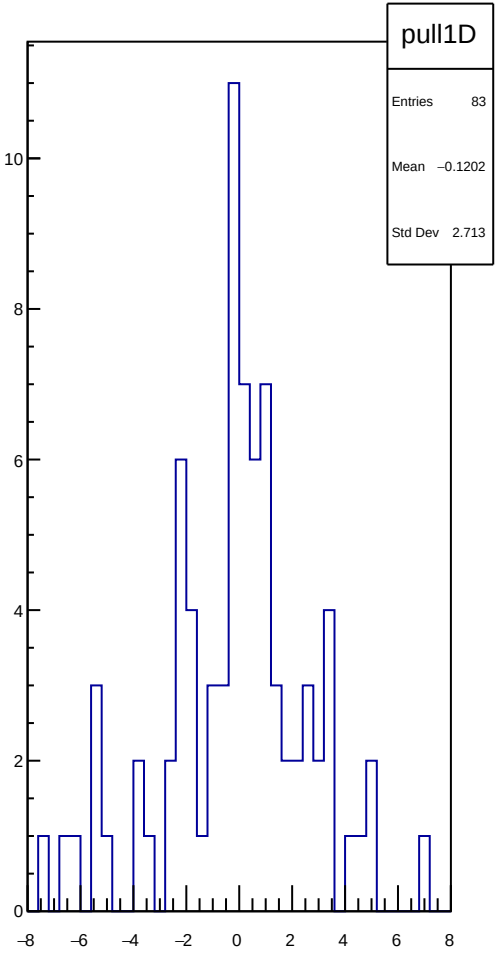

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 339.7 / 82
p0 −2.009 ± 0.2058
pull
Entries 83
Mean 591
Std Dev 547.1

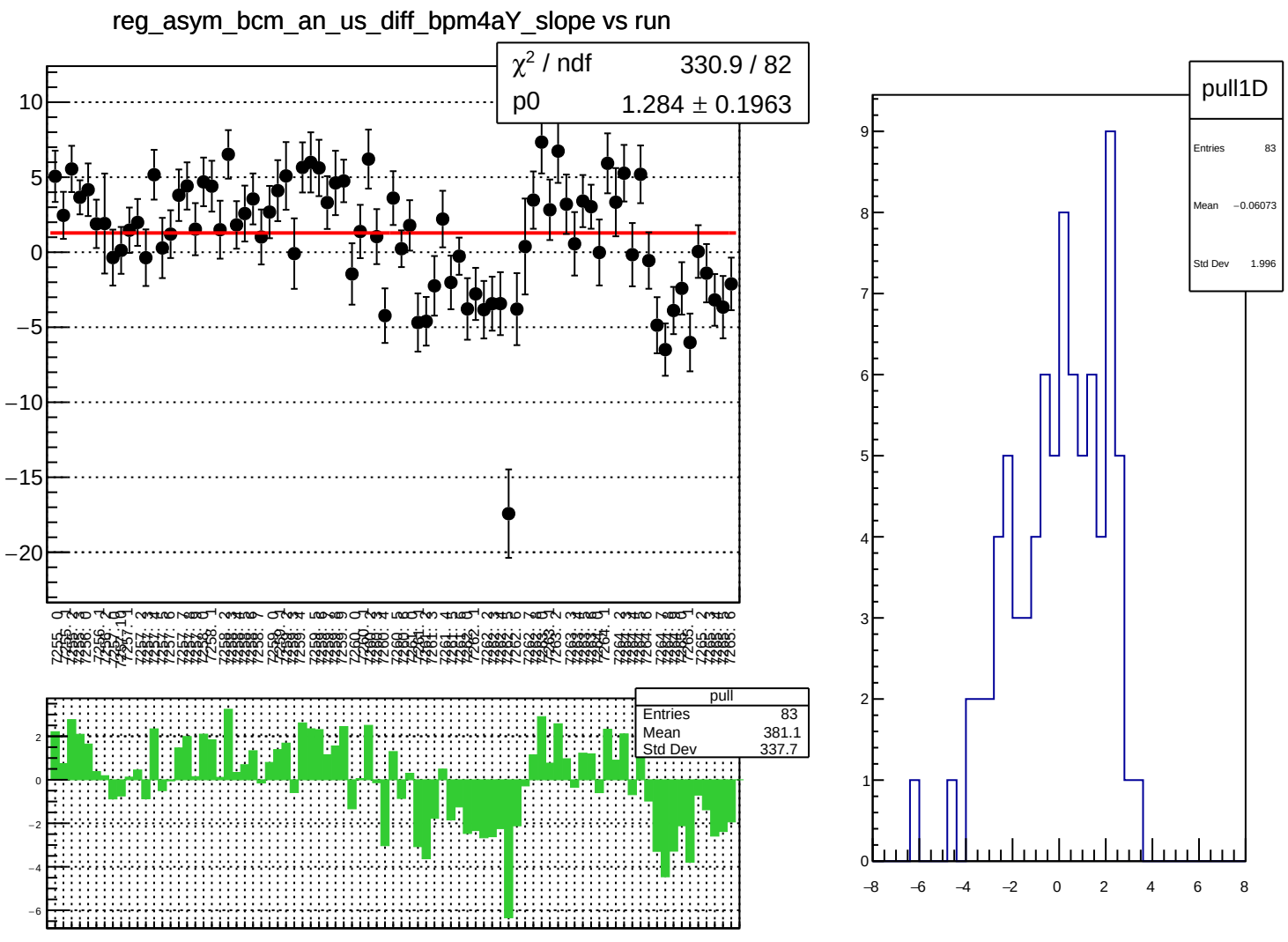

pull1D
Entries 83
Mean 0.03529
Std Dev 2.023

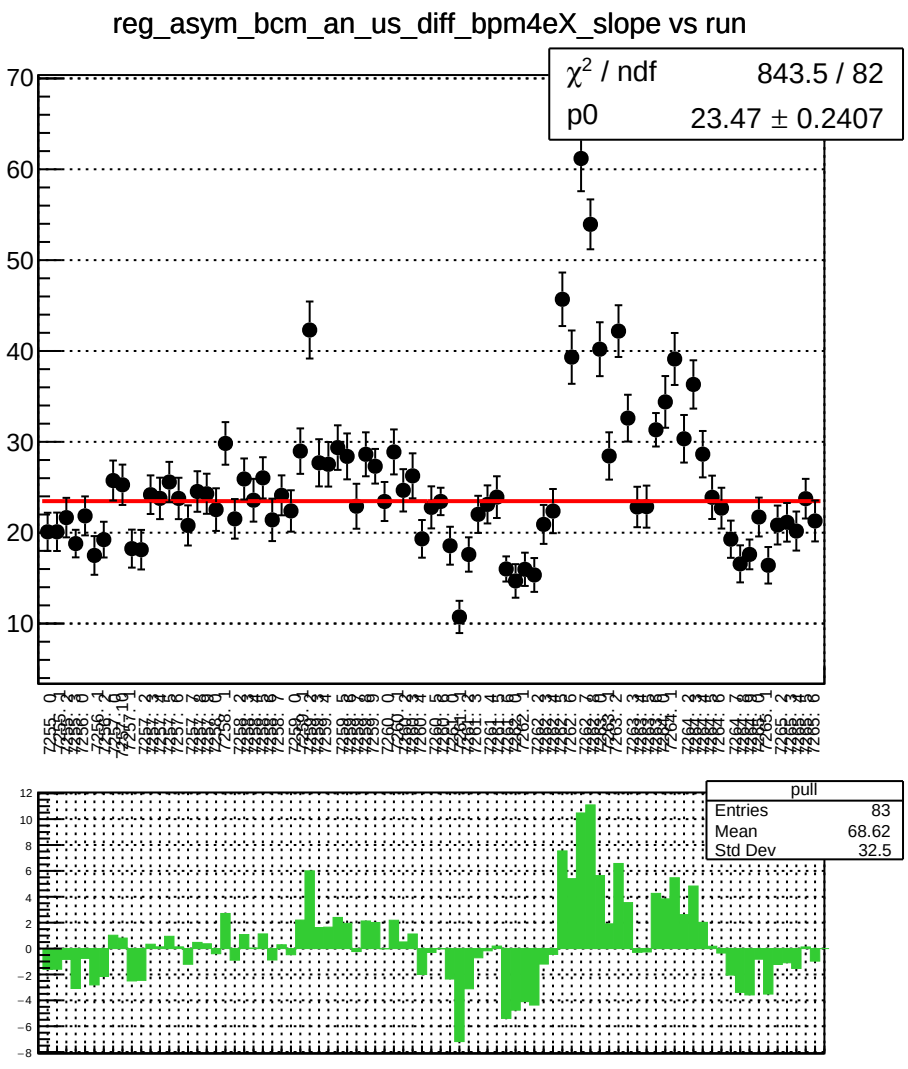

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 106.6 / 82
p0 0.08508 ± 0.008639
pull
Entries 83
Mean 78.69
Std Dev 11.79

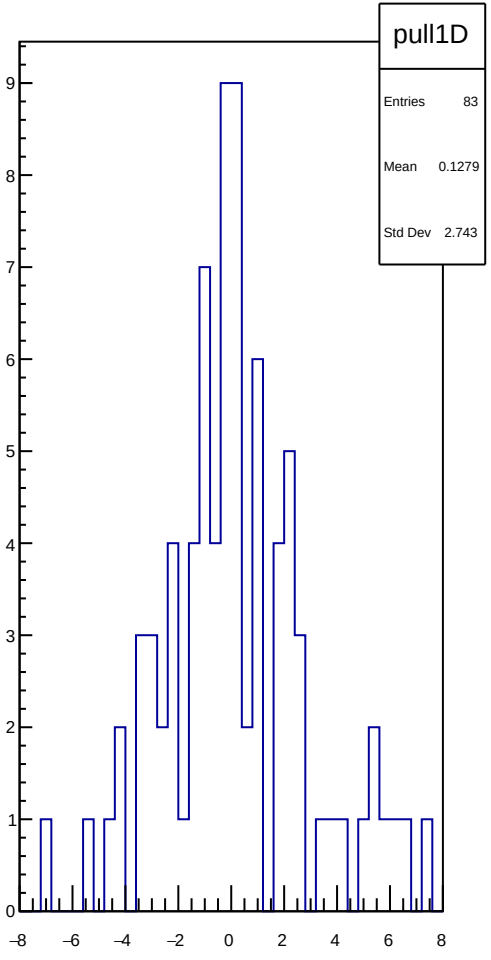

pull1D
Entries 83
Mean 0.04513
Std Dev 1.132

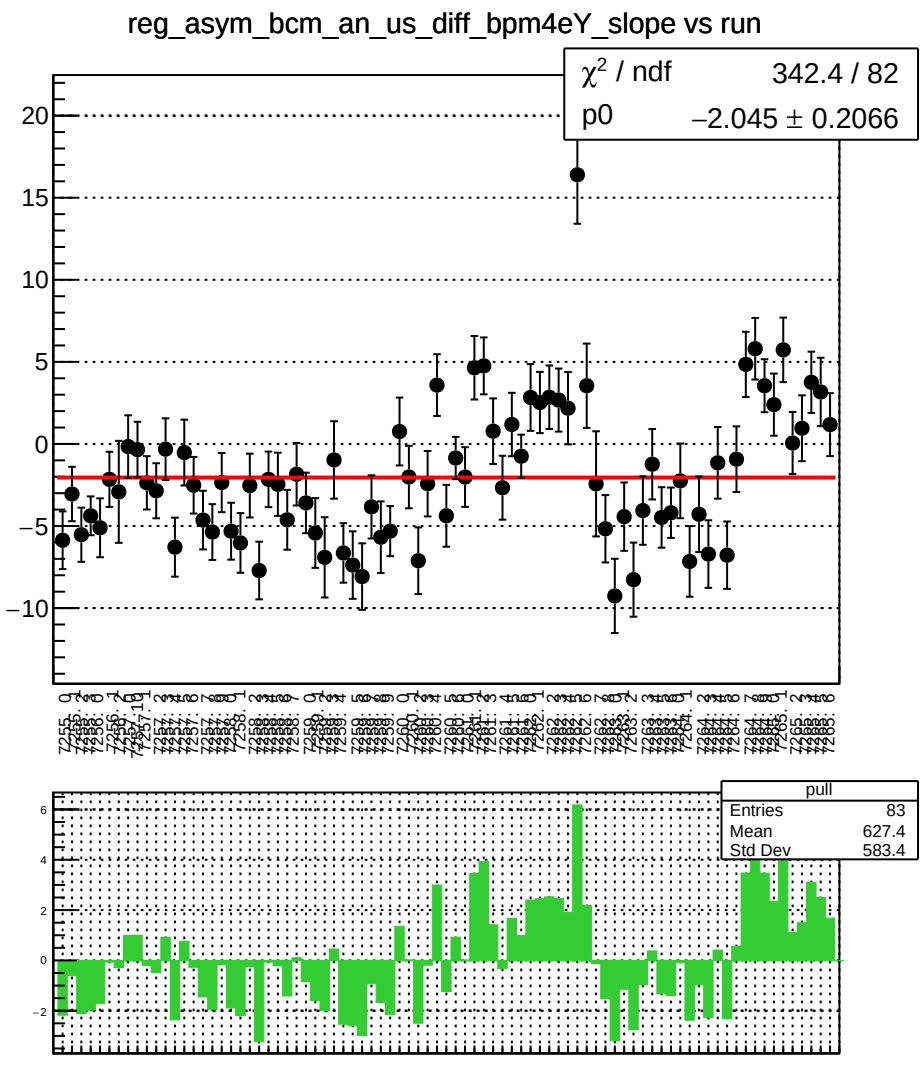

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 825.2 / 82
p0 −22.32 ± 0.2218
pull
Entries 83
Mean 73.8
Std Dev 37.68

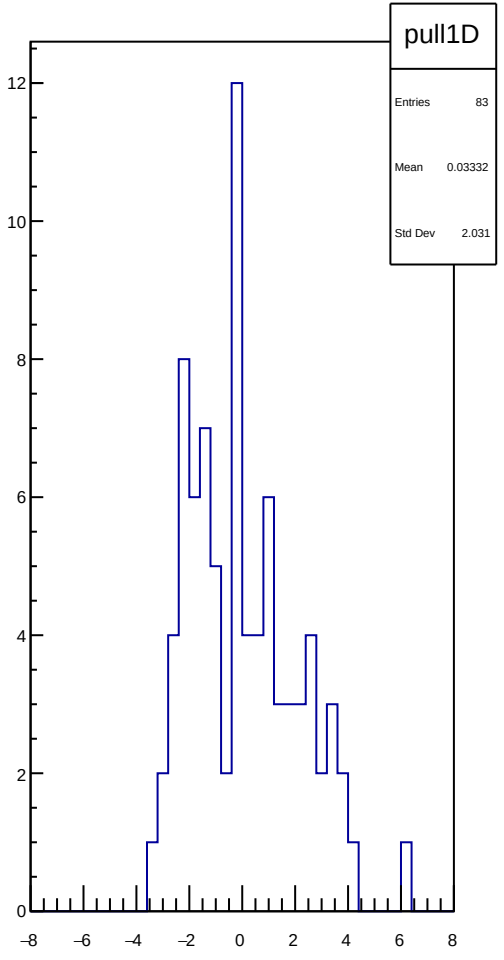

pull1D
Entries 83
Mean −0.1202
Std Dev 2.713

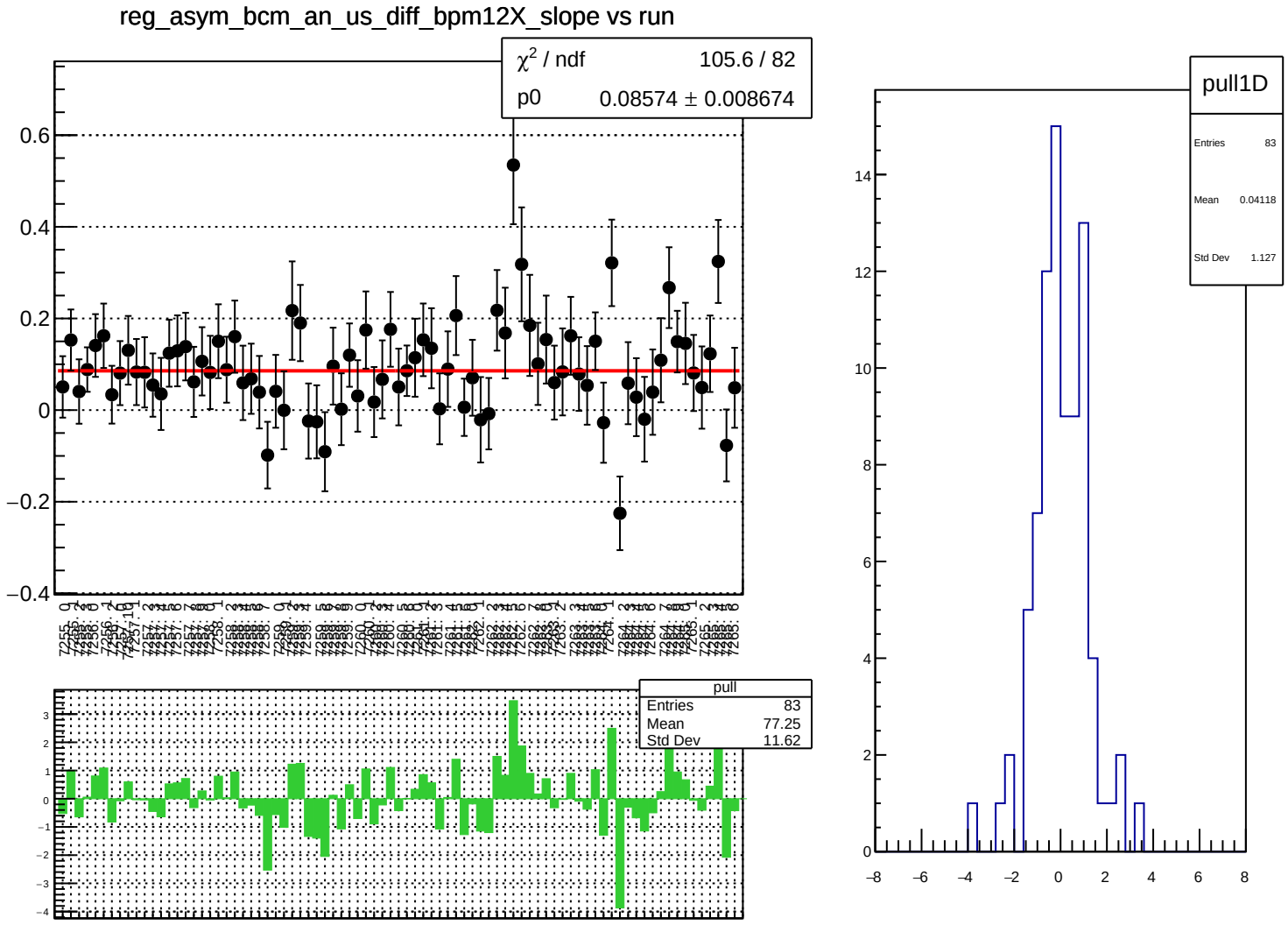

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 330.9 / 82
p0 1.284 ± 0.1963
pull
Entries 83
Mean 381.1
Std Dev 337.7
pull1D
Entries 83
Mean −0.06073
Std Dev 1.996

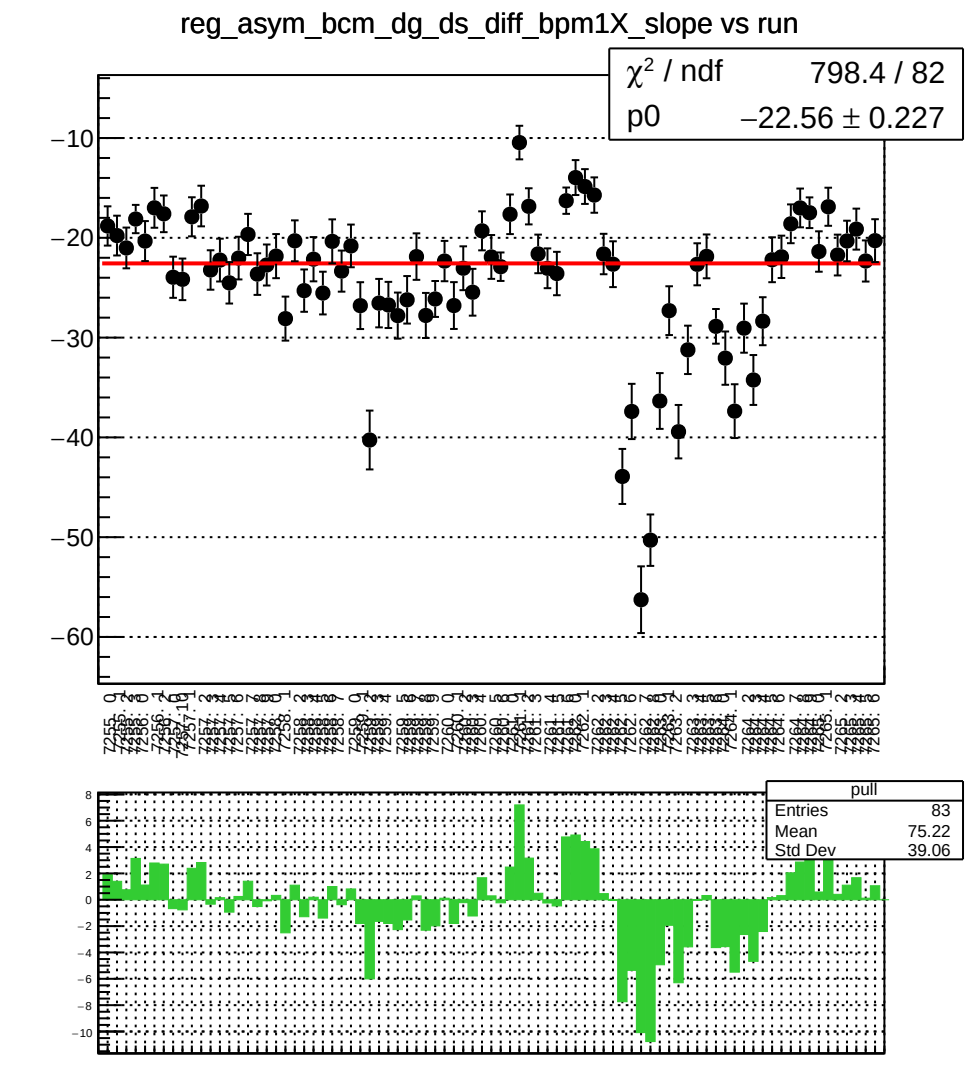

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 843.5 / 82
p0 23.47 ± 0.2407
pull
Entries 83
Mean 68.62
Std Dev 32.5

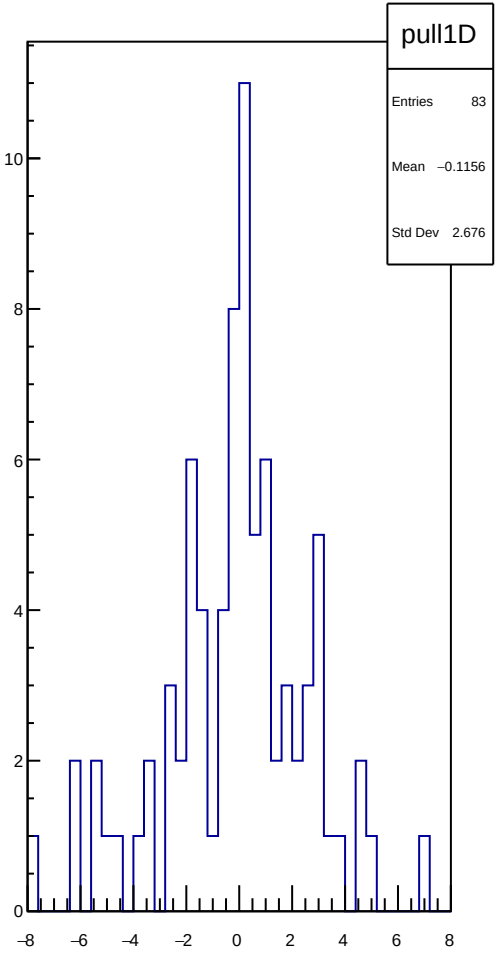

pull1D
Entries 83
Mean 0.1279
Std Dev 2.743

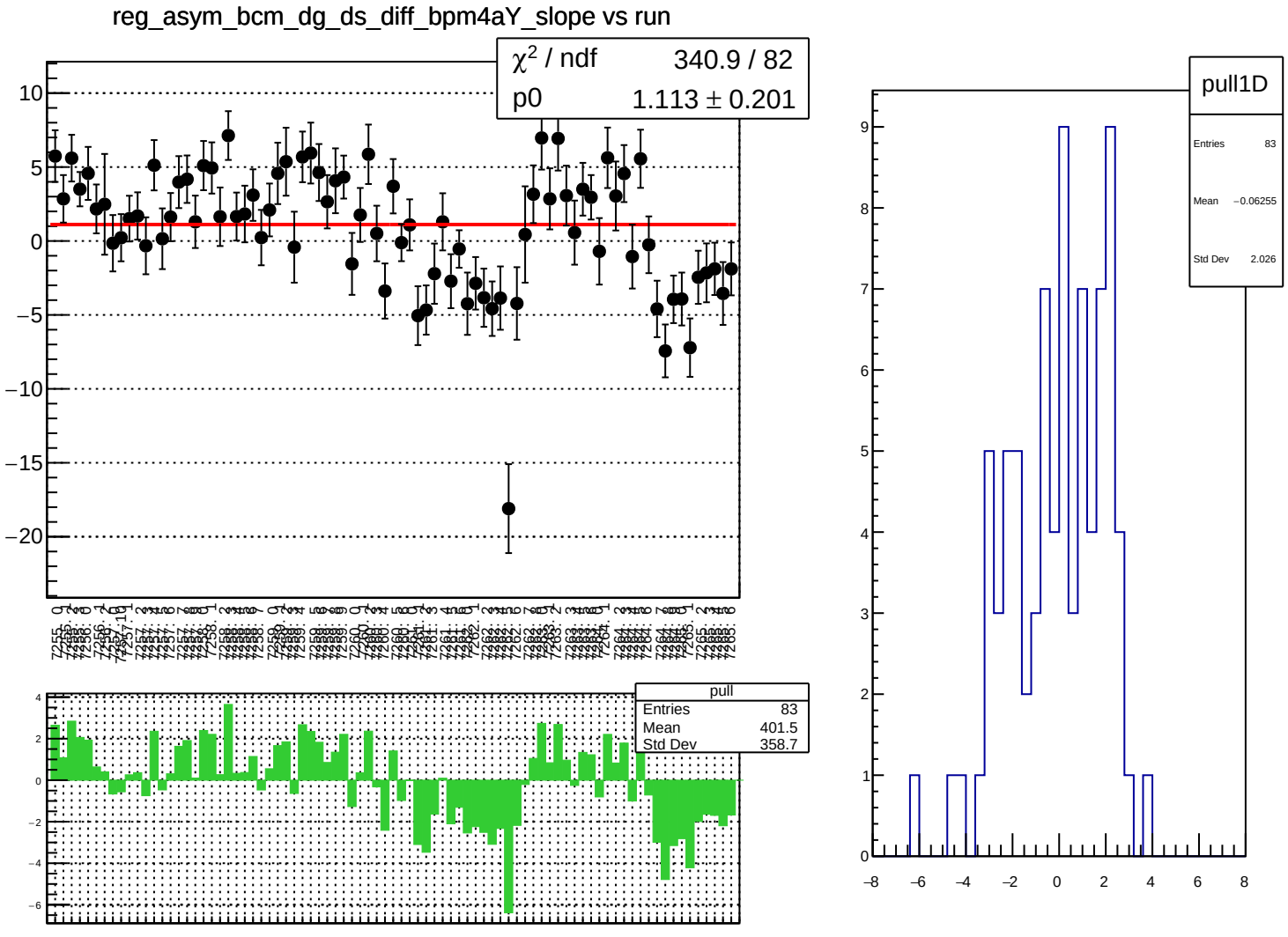

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 342.4 / 82
p0 −2.045 ± 0.2066
pull
Entries 83
Mean 627.4
Std Dev 583.4

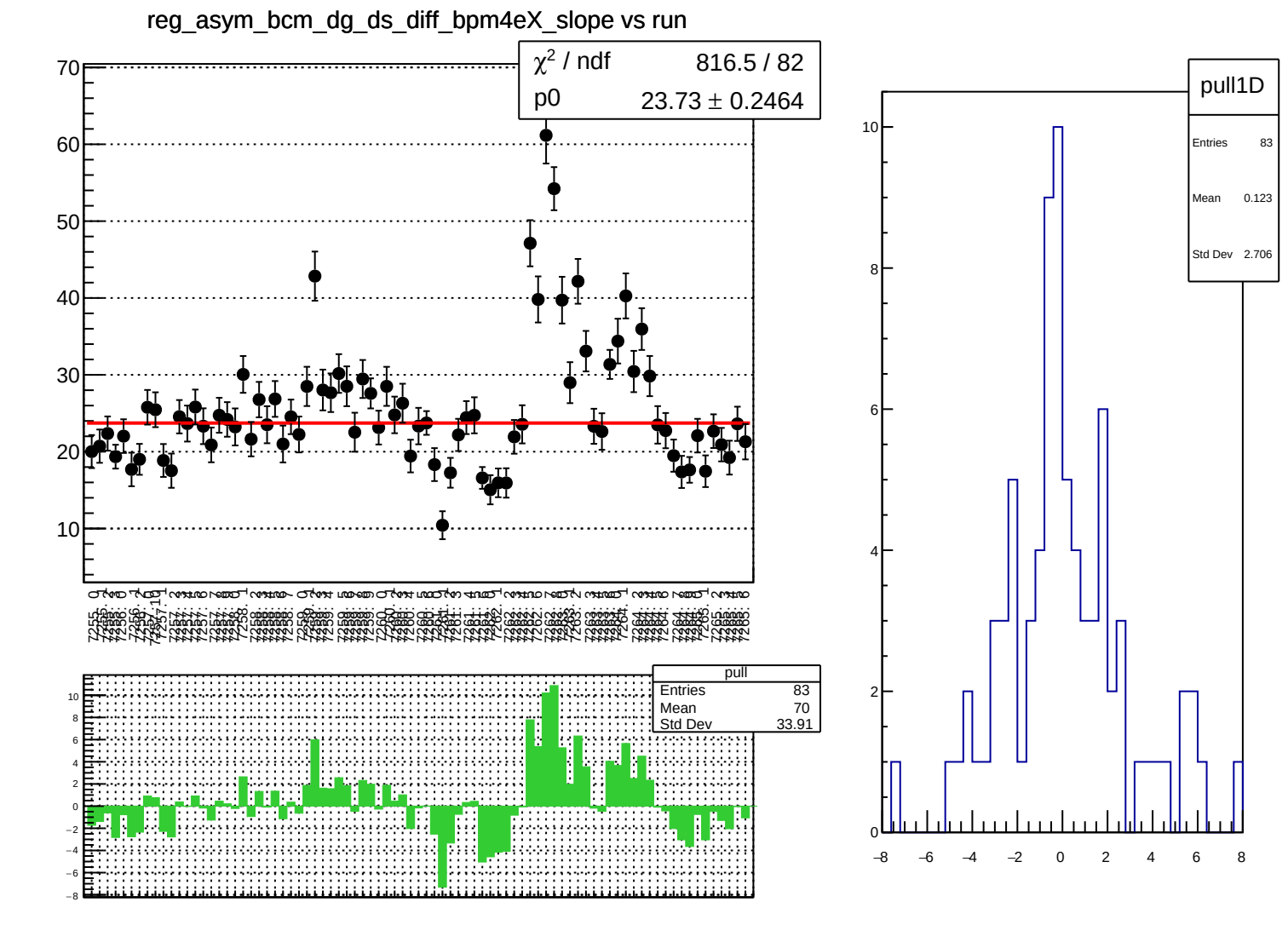

pull1D
Entries 83
Mean 0.03332
Std Dev 2.031

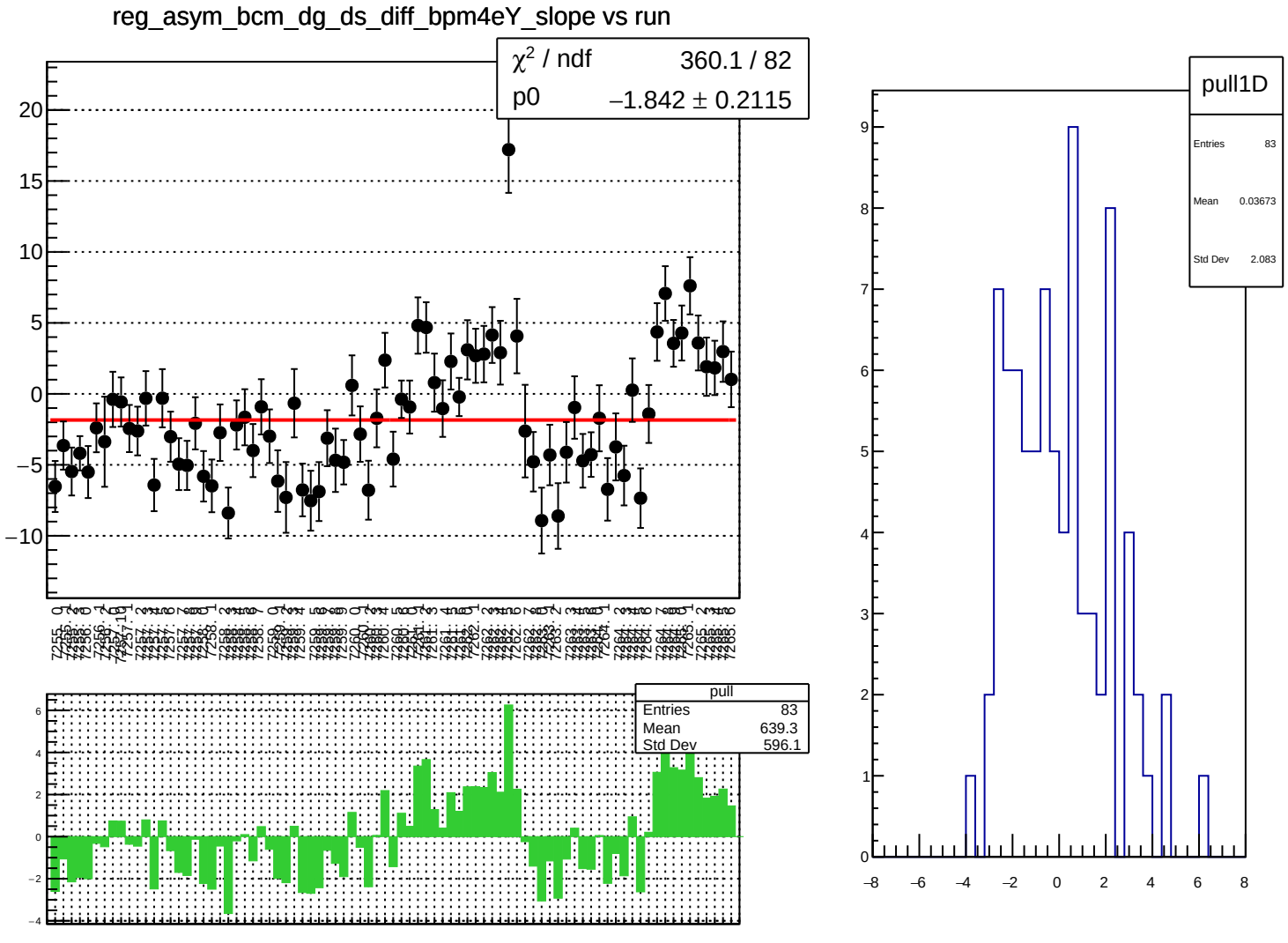

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 105.6 / 82
p0 0.08574 ± 0.008674
pull
Entries 83
Mean 77.25
Std Dev 11.62
pull1D
Entries 83
Mean 0.04118
Std Dev 1.127

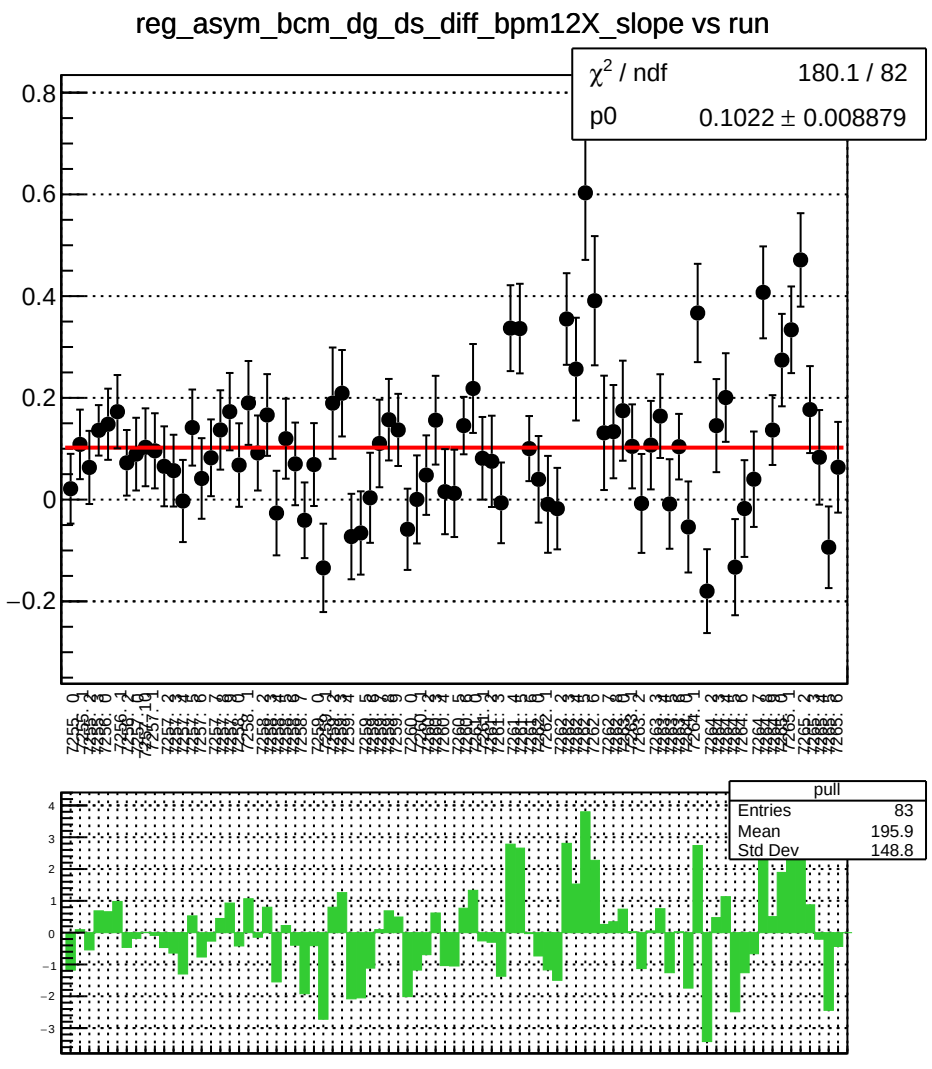

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 798.4 / 82
p0 −22.56 ± 0.227
pull
Entries 83
Mean 75.22
Std Dev 39.06

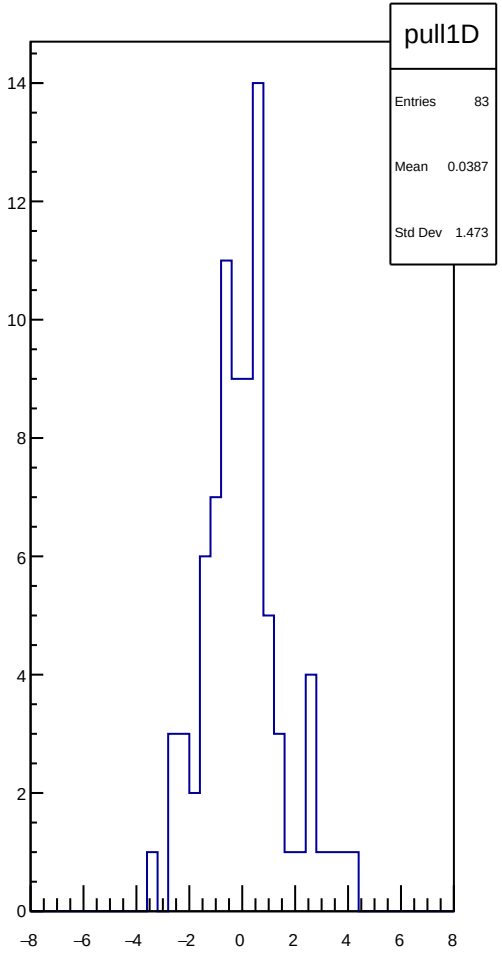

pull1D
Entries 83
Mean −0.1156
Std Dev 2.676

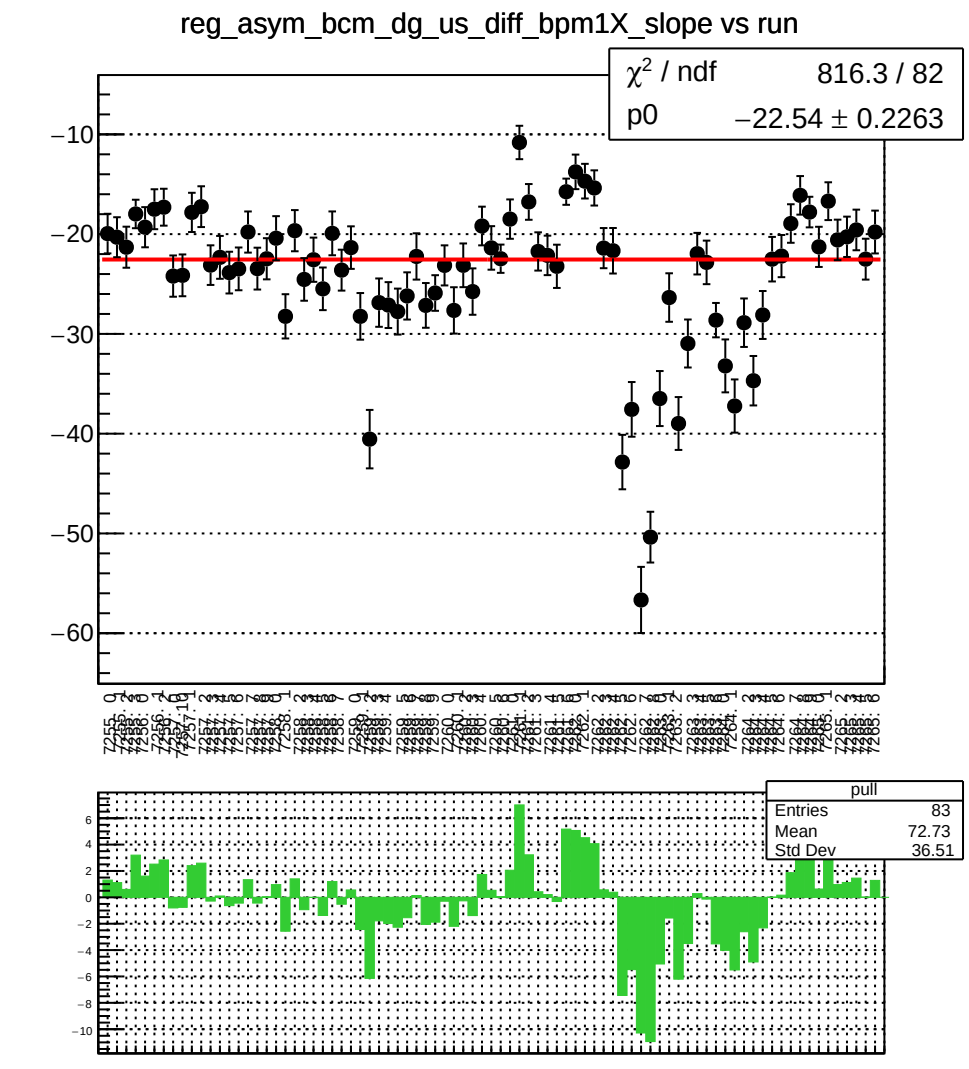

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 340.9 / 82
p0 1.113 ± 0.201
pull
Entries 83
Mean 401.5
Std Dev 358.7
pull1D
Entries 83
Mean −0.06255
Std Dev 2.026

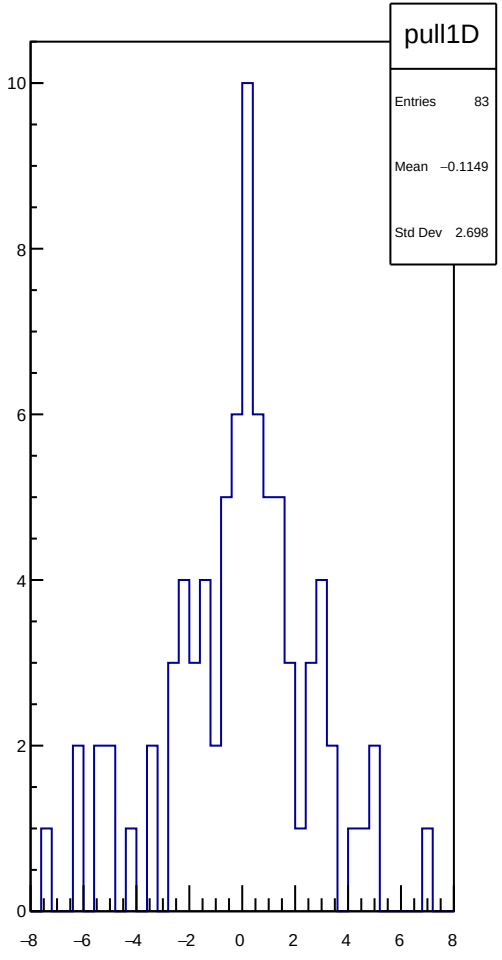

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 816.5 / 82
p0 23.73 ± 0.2464
pull
Entries 83
Mean 70
Std Dev 33.91
pull1D
Entries 83
Mean 0.123
Std Dev 2.706

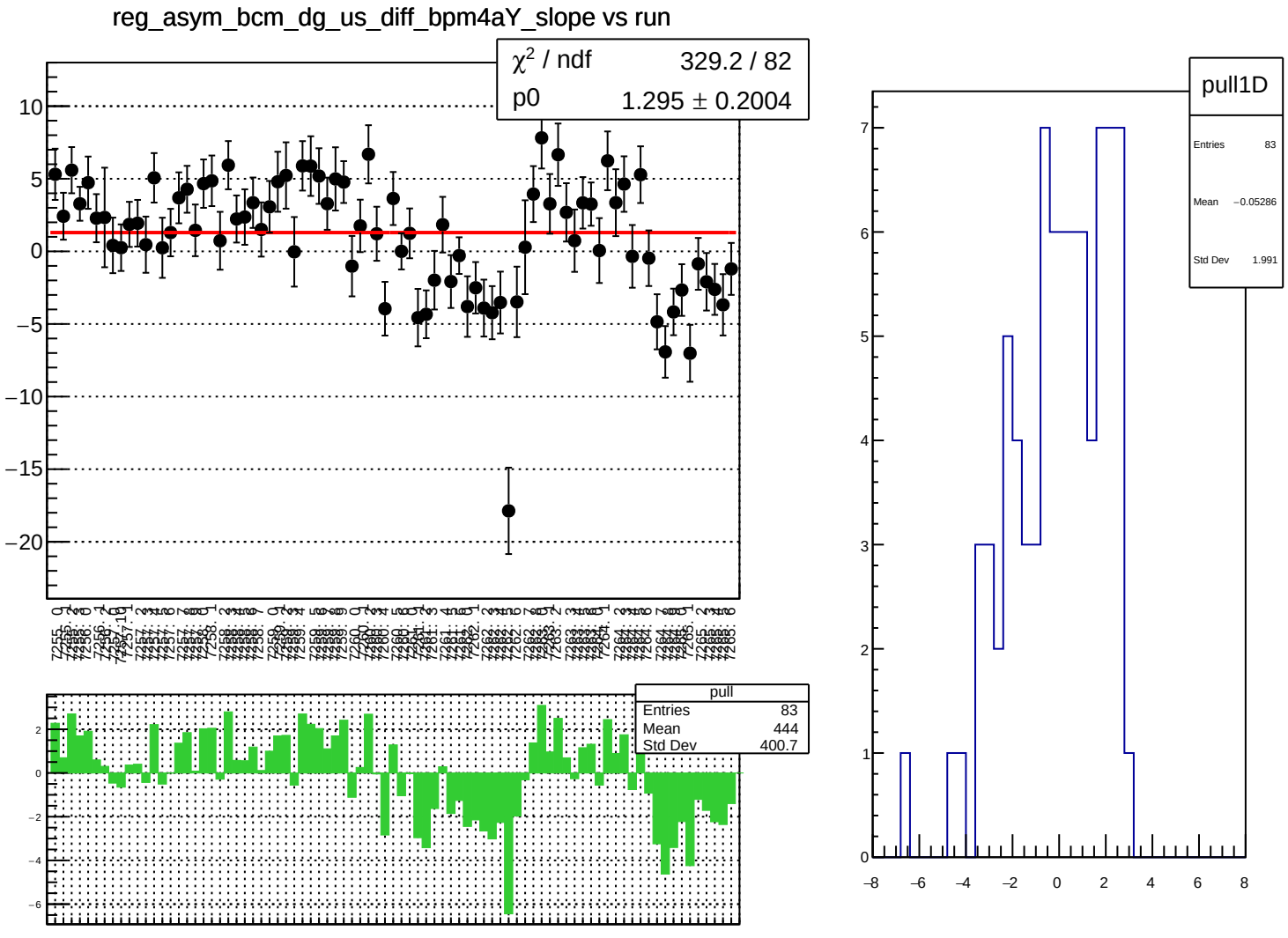

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 360.1 / 82
p0 −1.842 ± 0.2115
pull
Entries 83
Mean 639.3
Std Dev 596.1
pull1D
Entries 83
Mean 0.03673
Std Dev 2.083

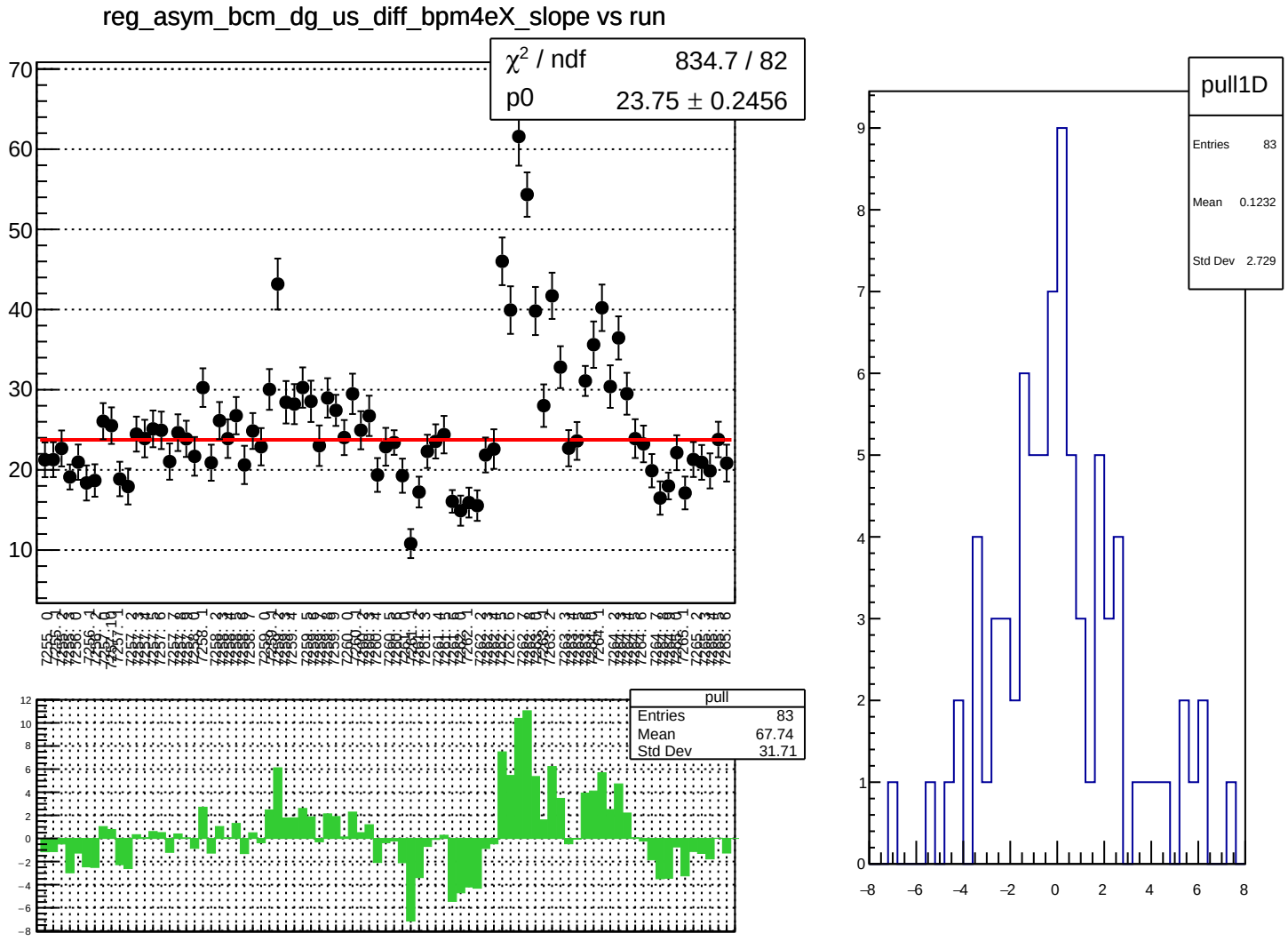

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 180.1 / 82
p0 0.1022 ± 0.008879
pull
Entries 83
Mean 195.9
Std Dev 148.8

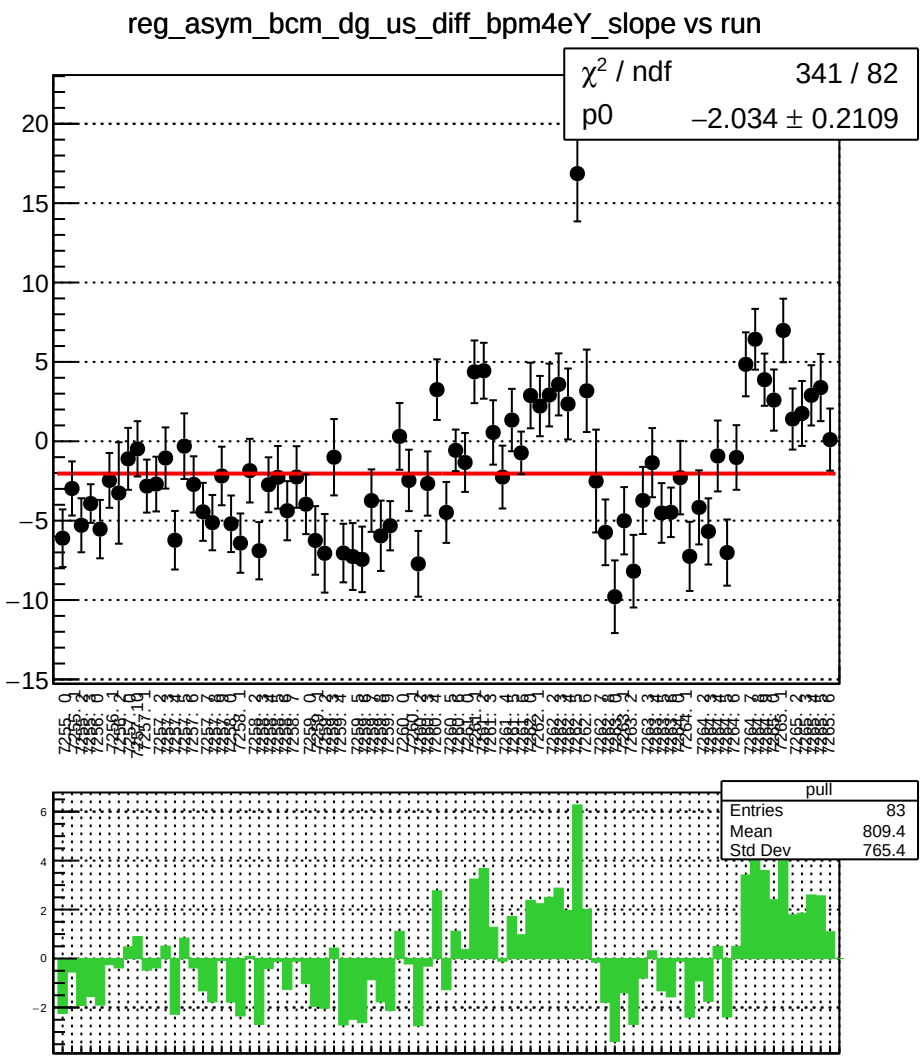

pull1D
Entries 83
Mean 0.0387
Std Dev 1.473

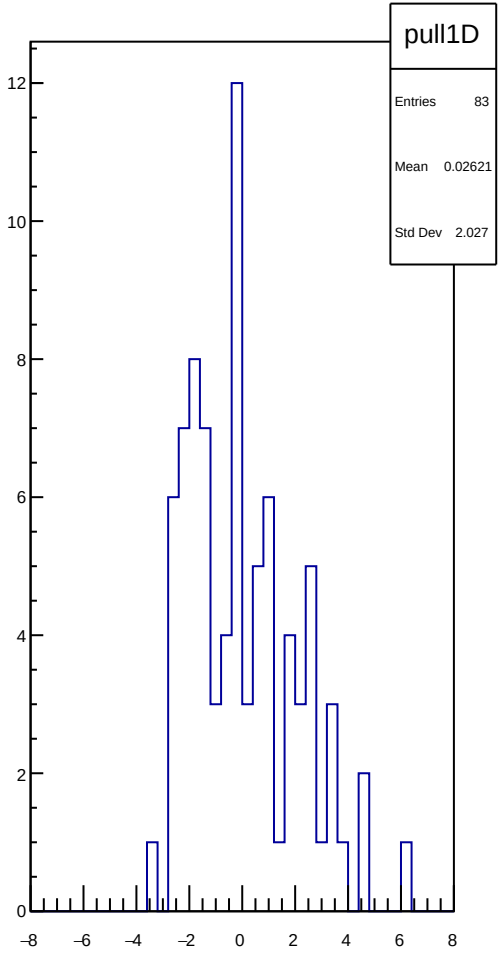

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 816.3 / 82
p0 −22.54 ± 0.2263
pull
Entries 83
Mean 72.73
Std Dev 36.51

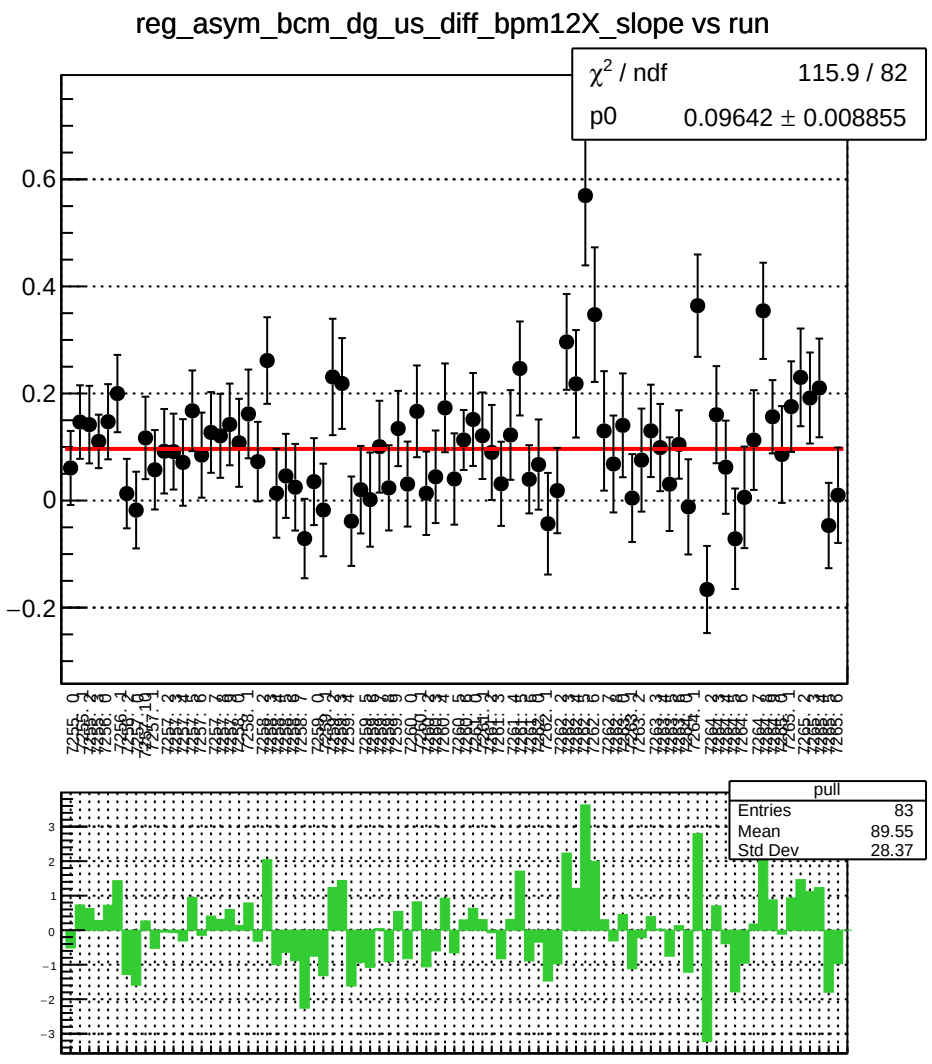

pull1D
Entries 83
Mean −0.1149
Std Dev 2.698

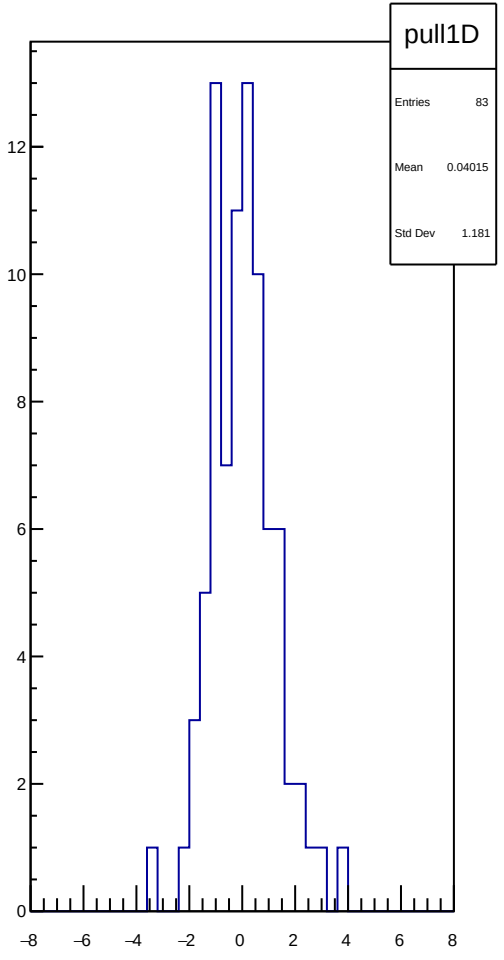

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 329.2 / 82
p0 1.295 ± 0.2004
pull
Entries 83
Mean 444
Std Dev 400.7
pull1D
Entries 83
Mean −0.05286
Std Dev 1.991

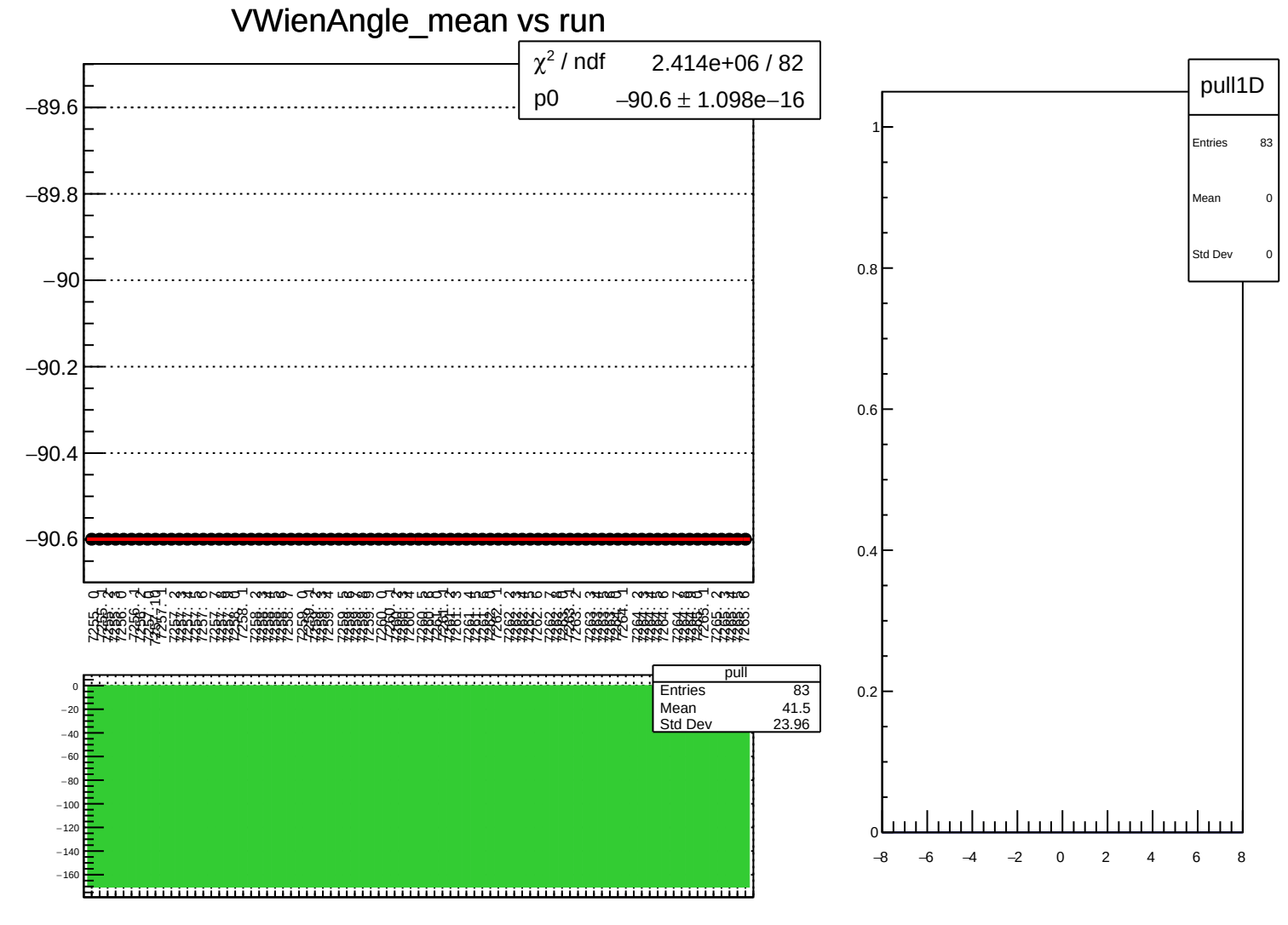

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 834.7 / 82
p0 23.75 ± 0.2456
pull
Entries 83
Mean 67.74
Std Dev 31.71
pull1D
Entries 83
Mean 0.1232
Std Dev 2.729

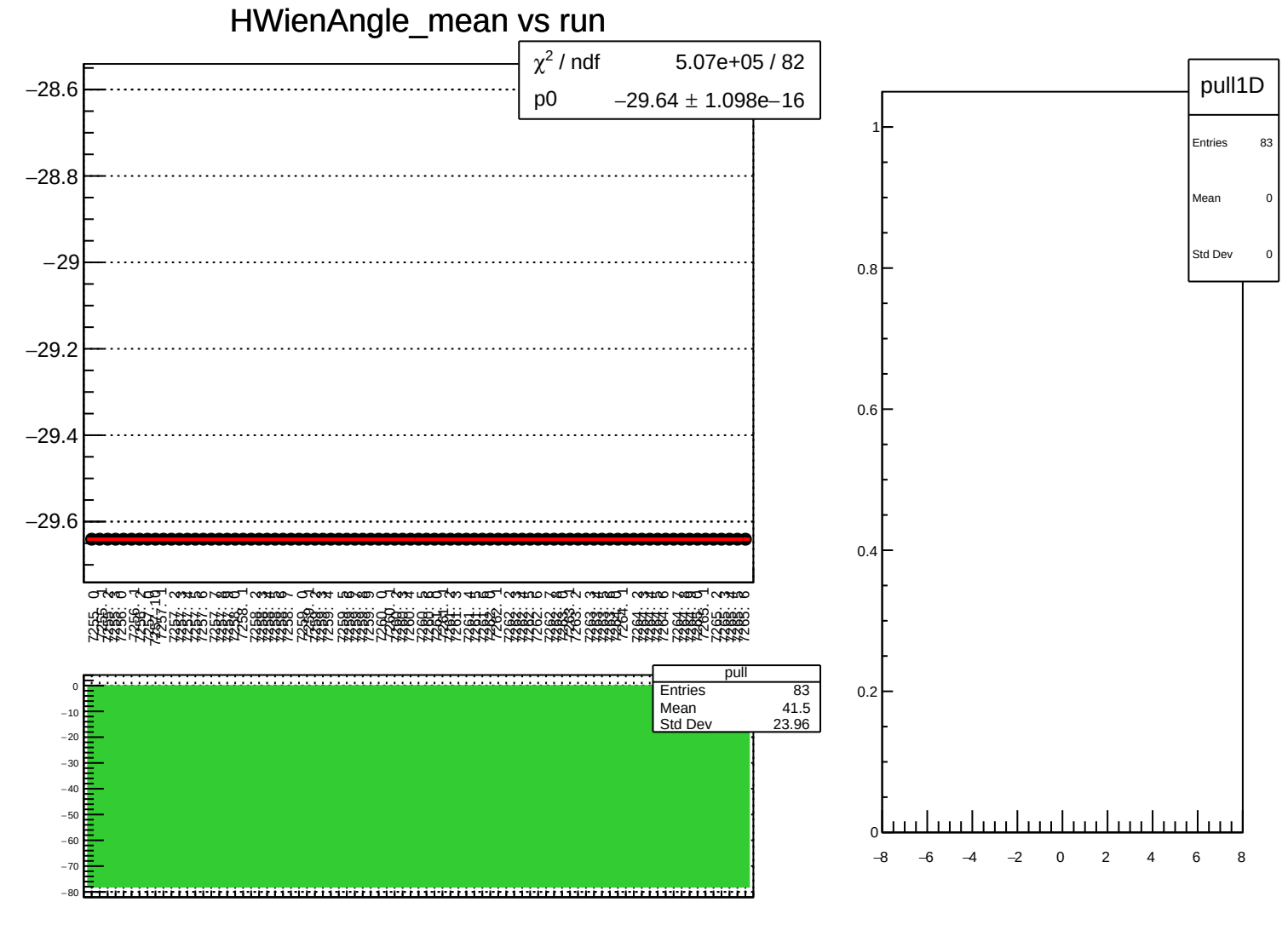

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 341 / 82
p0 −2.034 ± 0.2109
pull
Entries 83
Mean 809.4
Std Dev 765.4

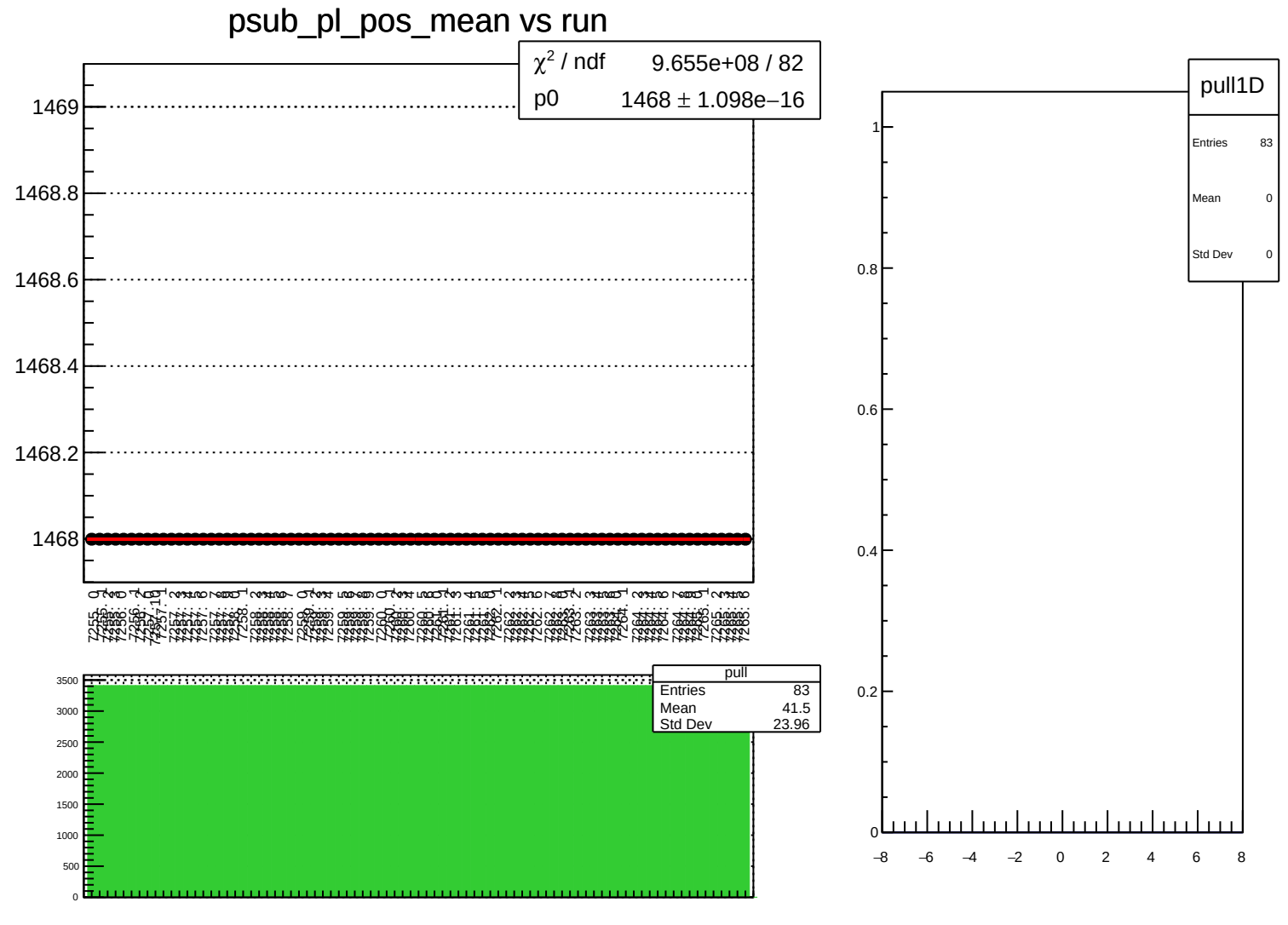

pull1D
Entries 83
Mean 0.02621
Std Dev 2.027

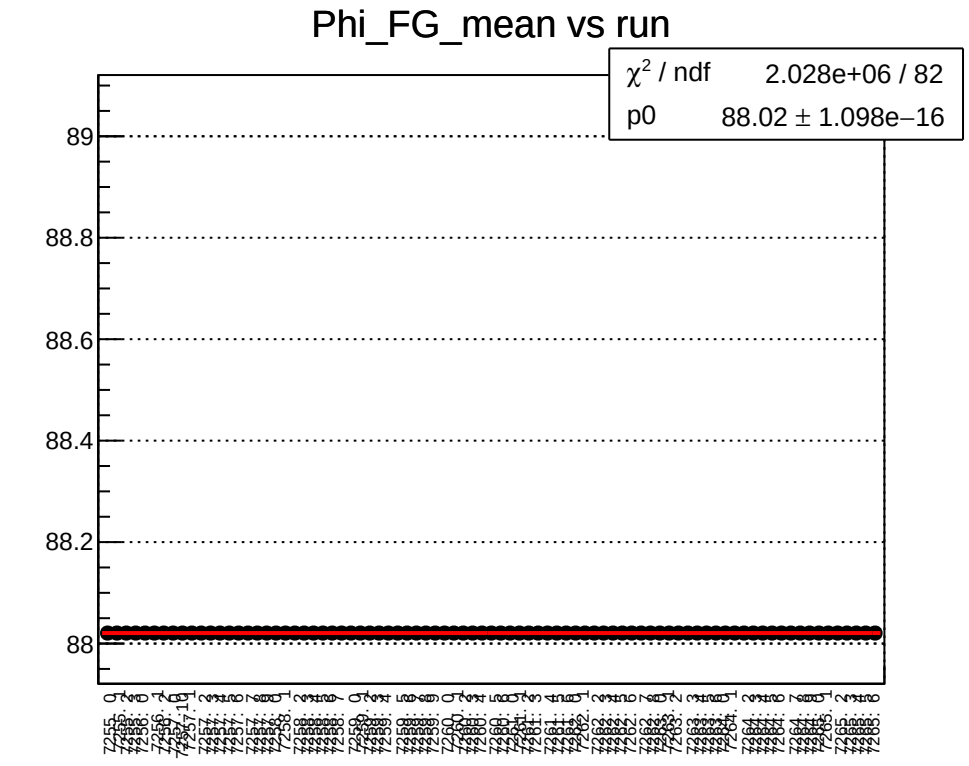

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 115.9 / 82
p0 0.09642 ± 0.008855
0.6
0.4
0.2
0
−0.2
pull
Entries 83
Mean 89.55
Std Dev 28.37
3
2
1
0
−1
−2
−3

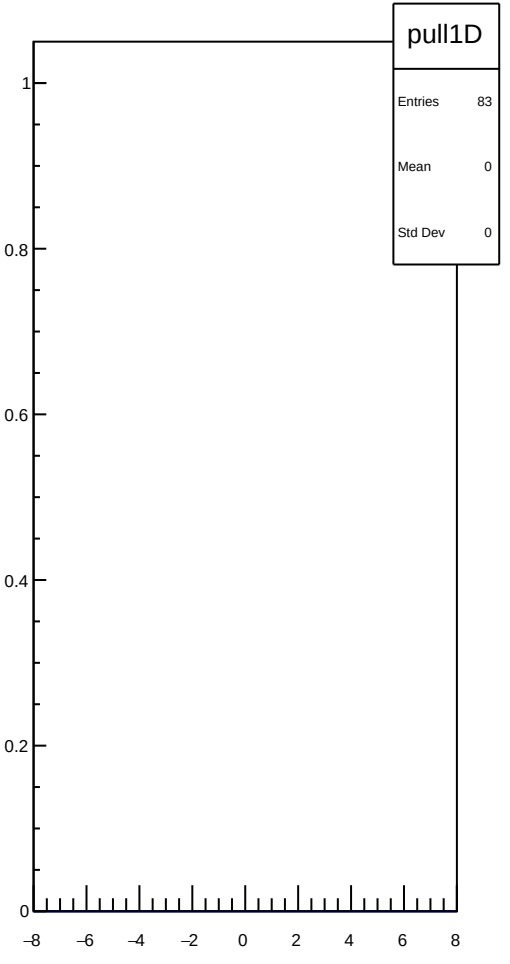

pull1D
Entries 83
Mean 0.04015
Std Dev 1.181
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

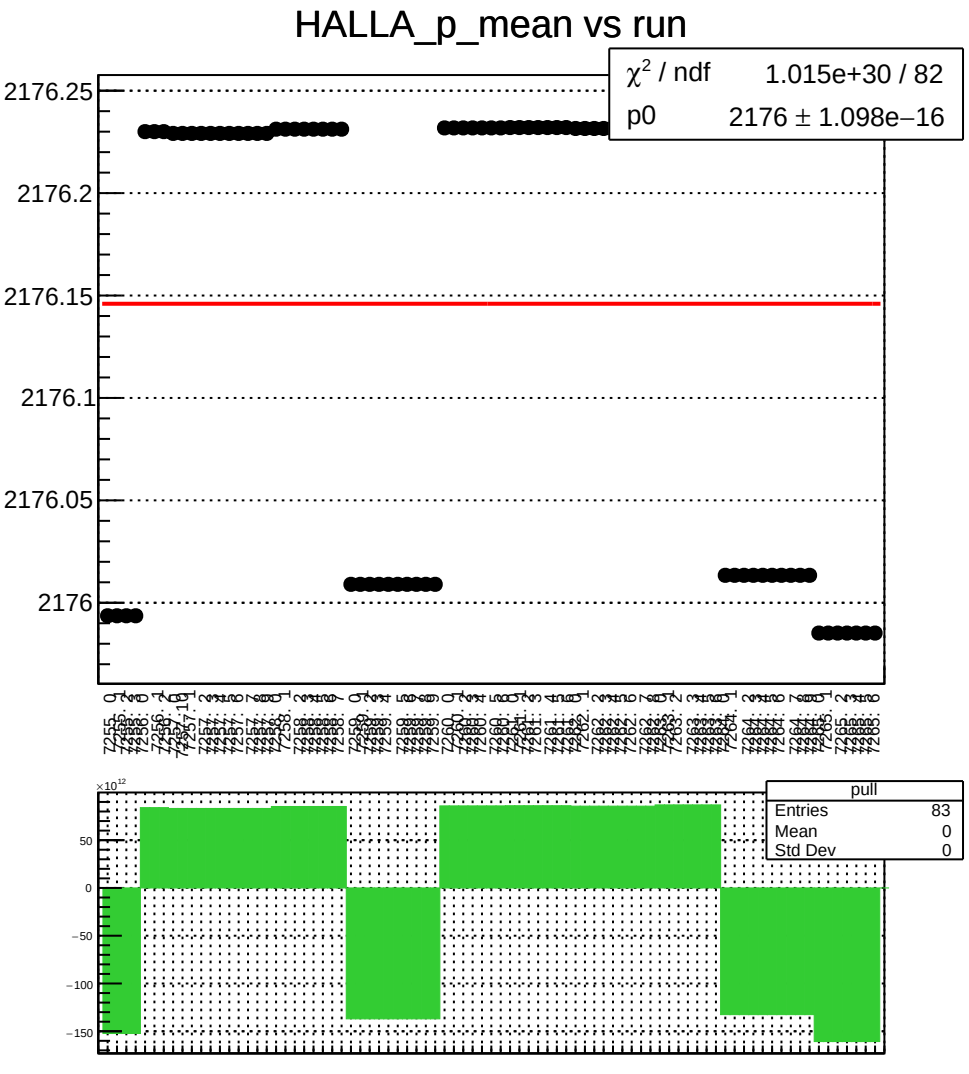

VWienAngle_mean vs run
χ² / ndf 2.414e+06 / 82
p0 −90.6 ± 1.098e−16
−89.6
−89.8
−90
−90.2
−90.4
−90.6
pull
Entries 83
Mean 41.5
Std Dev 23.96
0
−20
−40
−60
−80
−100
−120
−140
−160
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

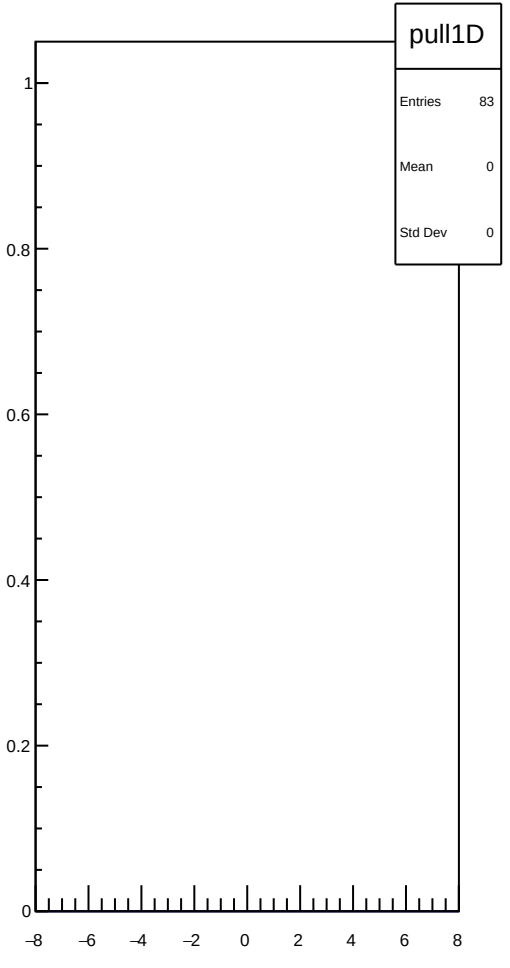

HWienAngle_mean vs run
χ² / ndf 5.07e+05 / 82
p0 −29.64 ± 1.098e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 83
Mean 41.5
Std Dev 23.96
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

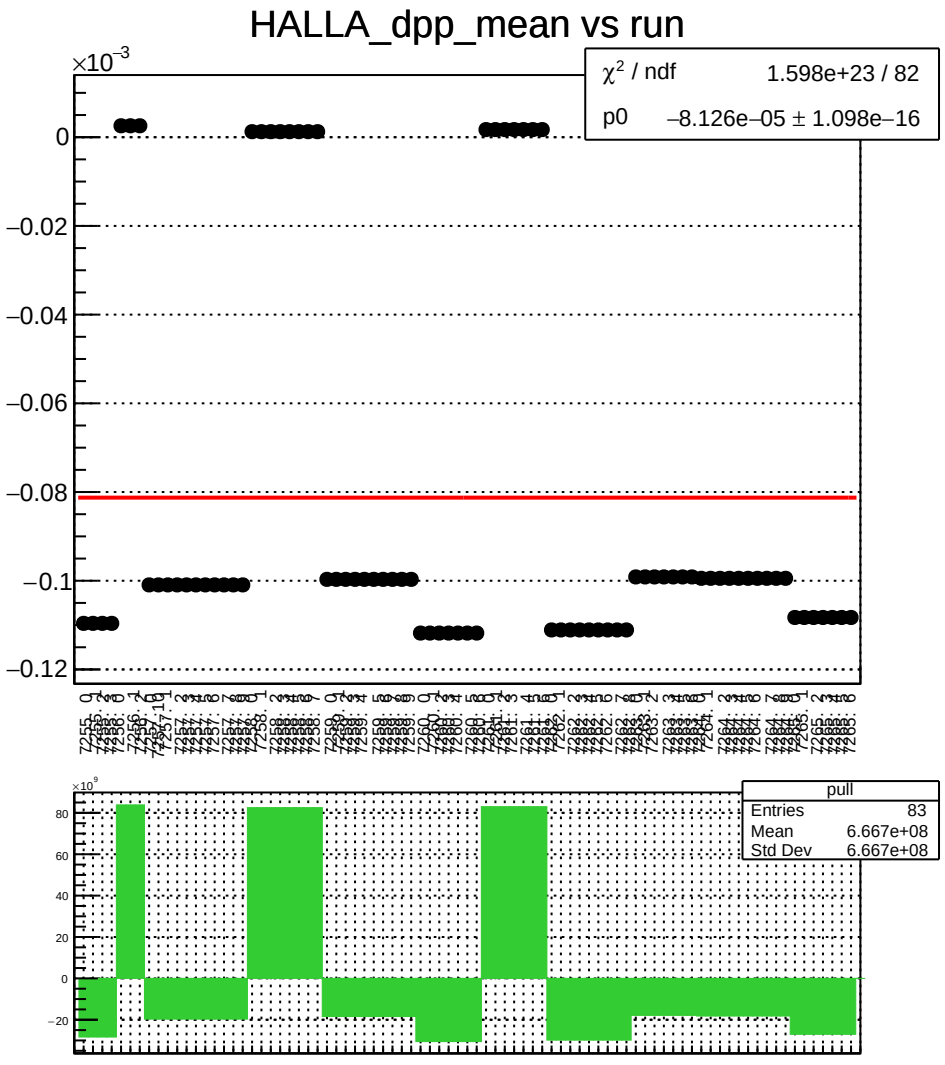

psub_pl_pos_mean vs run
χ² / ndf 9.655e+08 / 82
p0 1468 ± 1.098e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 83
Mean 41.5
Std Dev 23.96
3500
3000
2500
2000
1500
1000
500
0
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

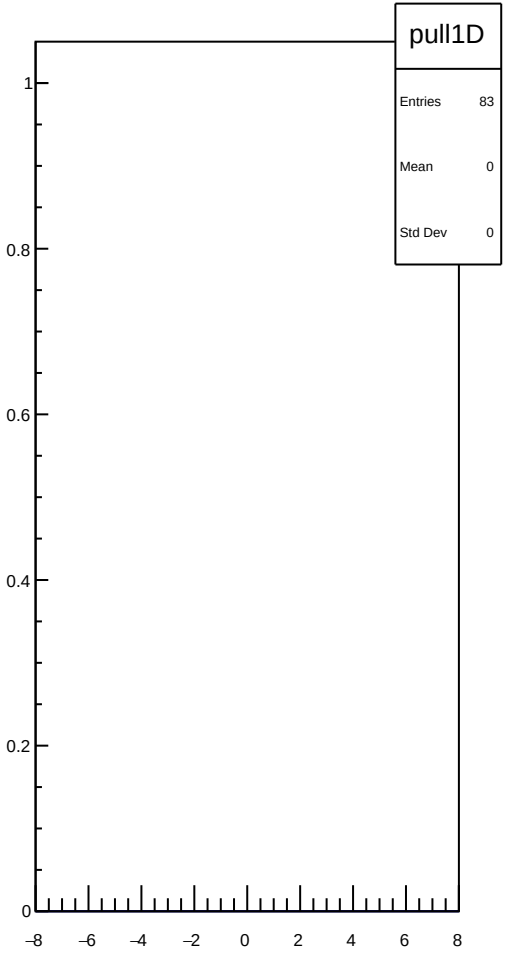

Phi_FG_mean vs run
χ² / ndf 2.028e+06 / 82
p0 88.02 ± 1.098e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 83
Mean 41.5
Std Dev 23.96
160
140
120
100
80
60
40
20
0

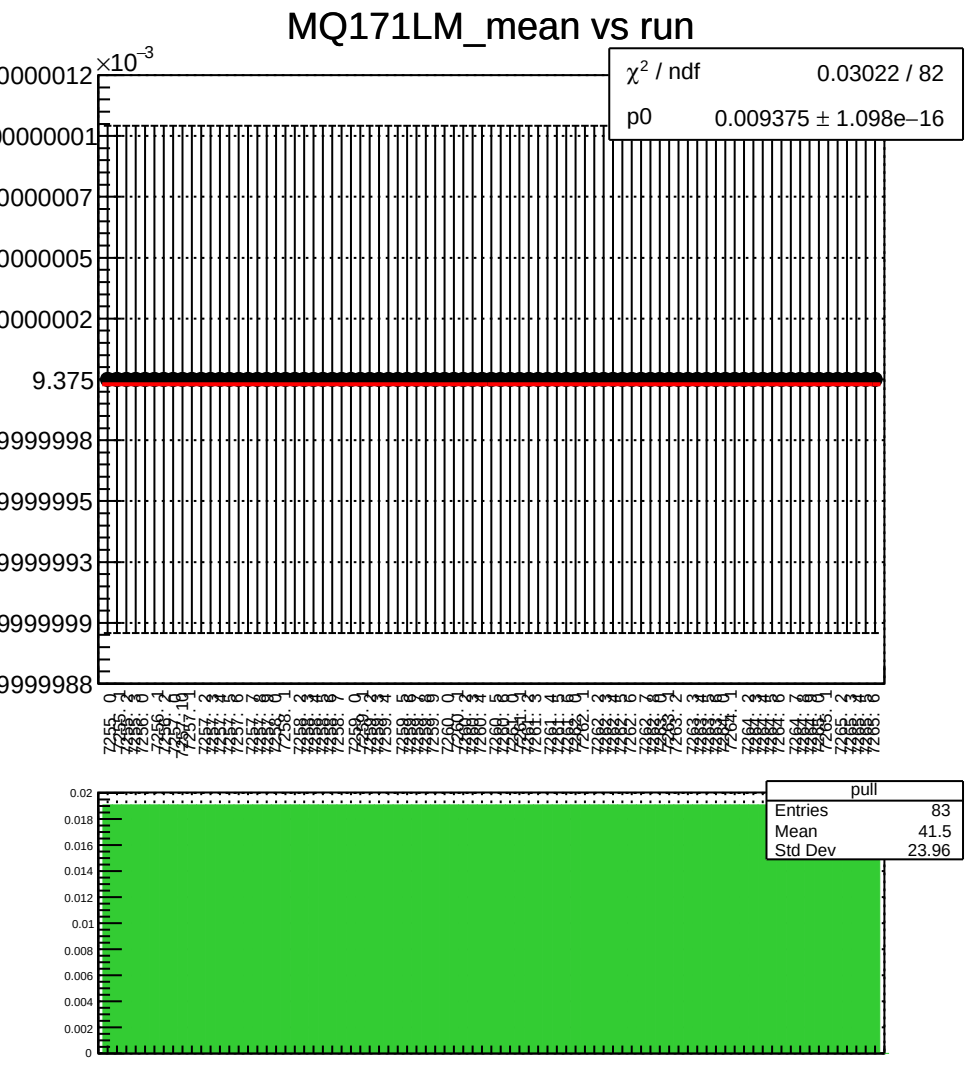

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

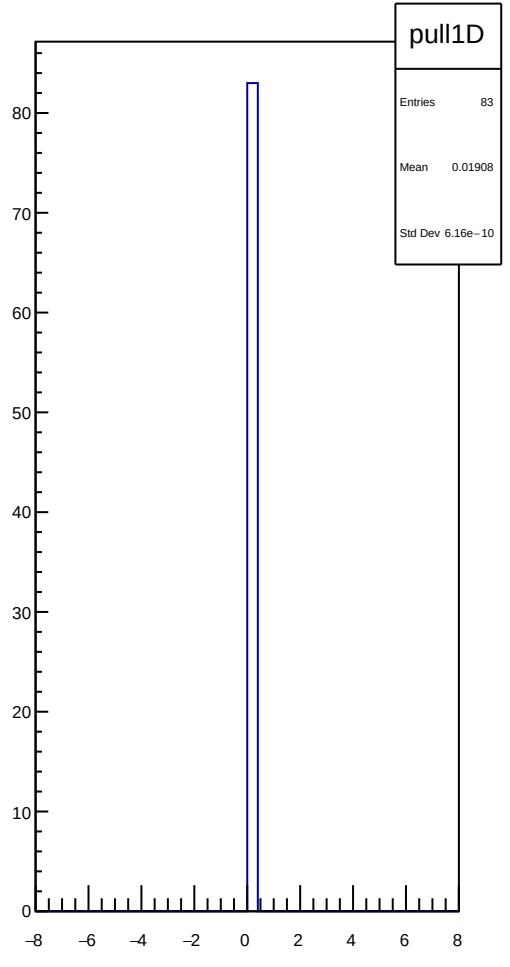

HALLA_p_mean vs run
χ² / ndf 1.015e+30 / 82
p0 2176 ± 1.098e−16
2176.25
2176.2
2176.15
2176.1
2176.05
2176
pull
Entries 83
Mean 0
Std Dev 0
×10¹²
50
0
−50
−100
−150

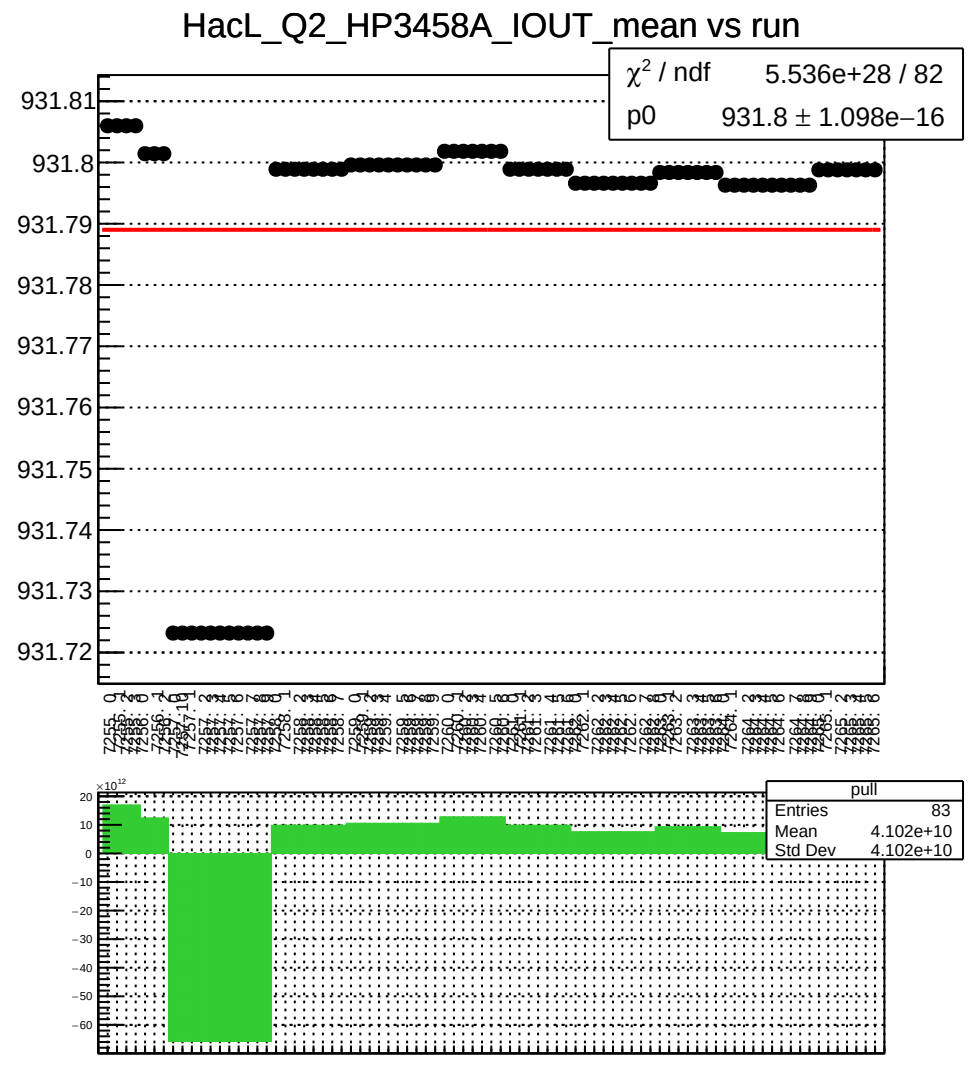

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

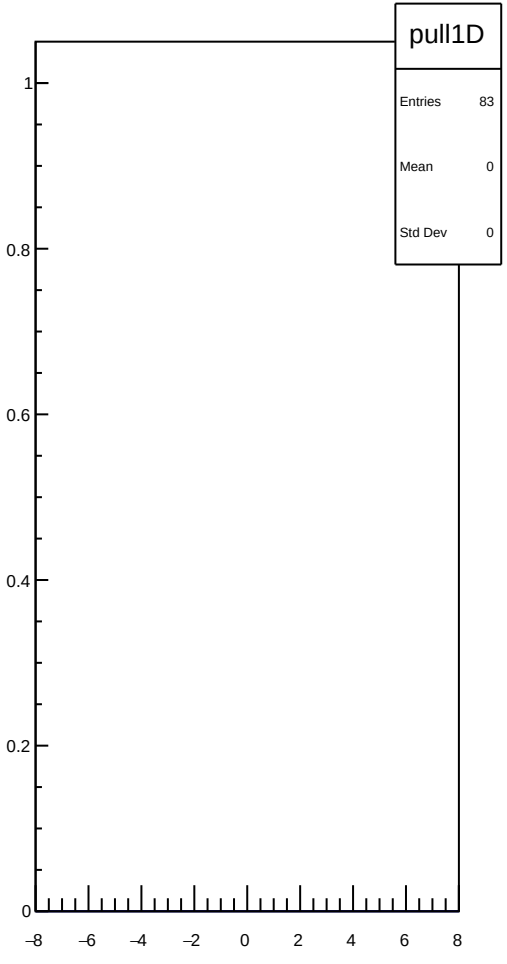

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 1.598e+23 / 82
p0 −8.126e−05 ± 1.098e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
×10⁹
pull
Entries 83
Mean 6.667e+08
Std Dev 6.667e+08
80
60
40
20
0
−20

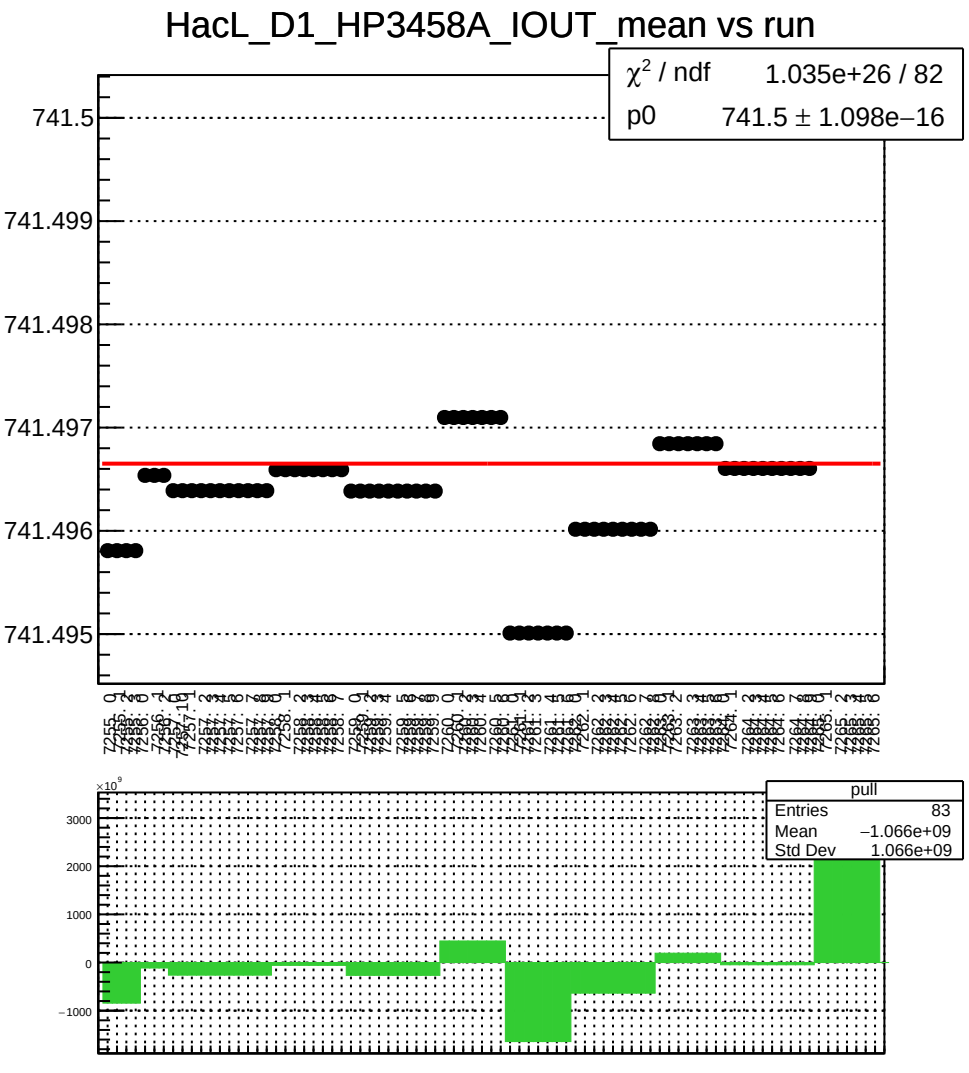

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

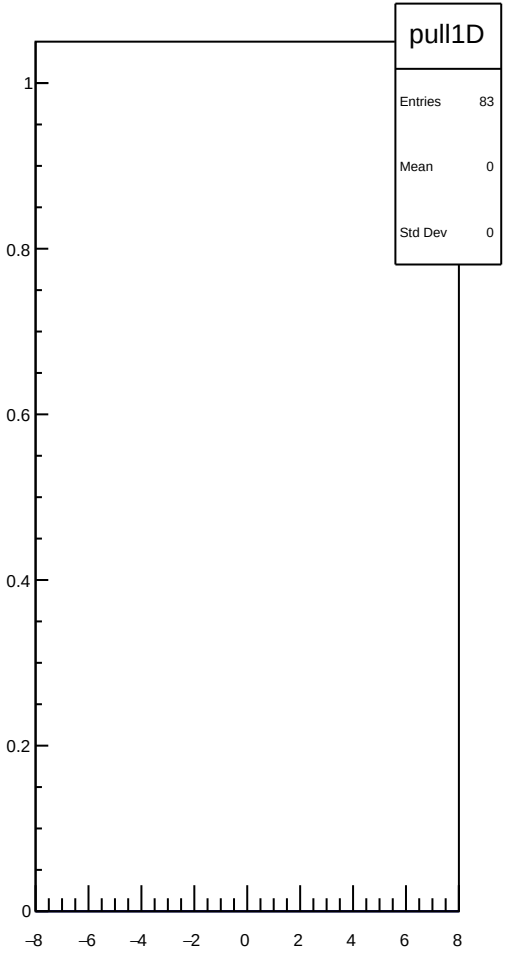

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
9.375
pull
Entries 83
Mean 41.5
Std Dev 23.96

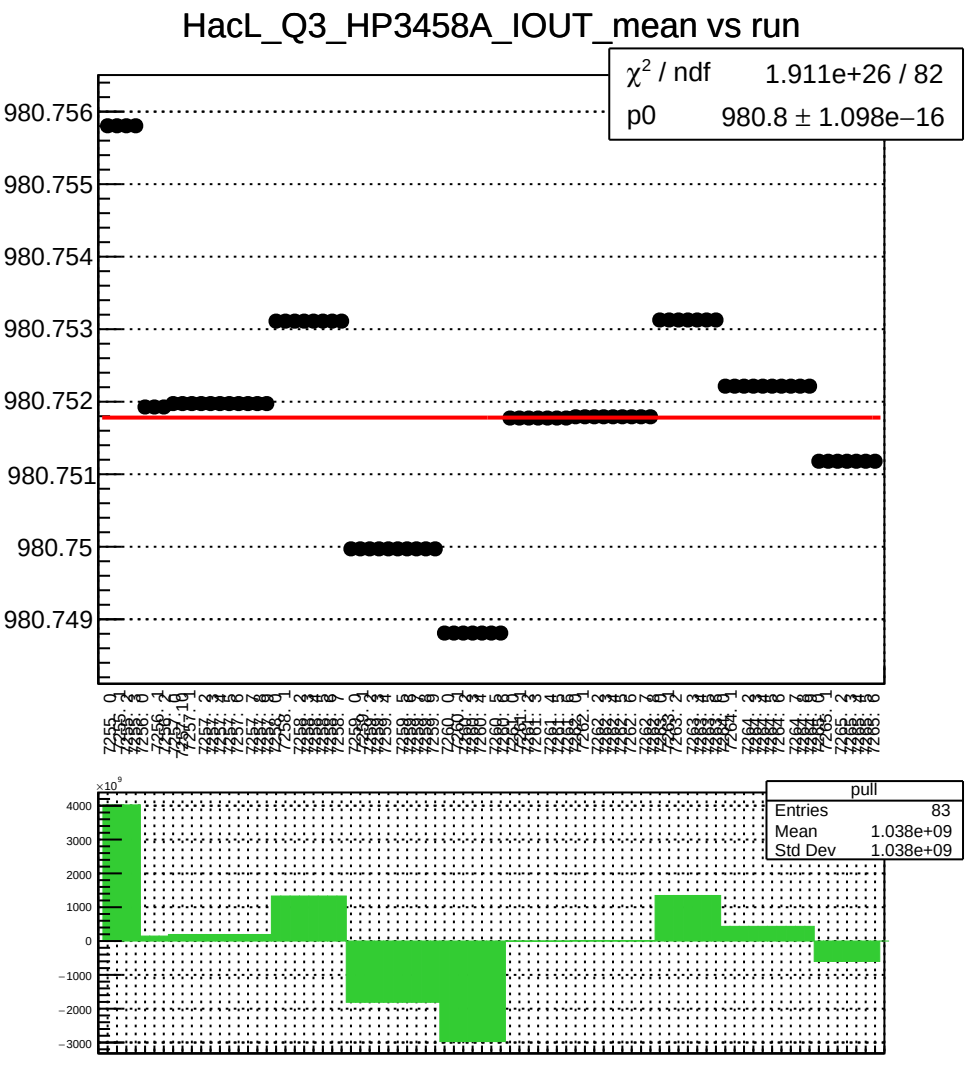

pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

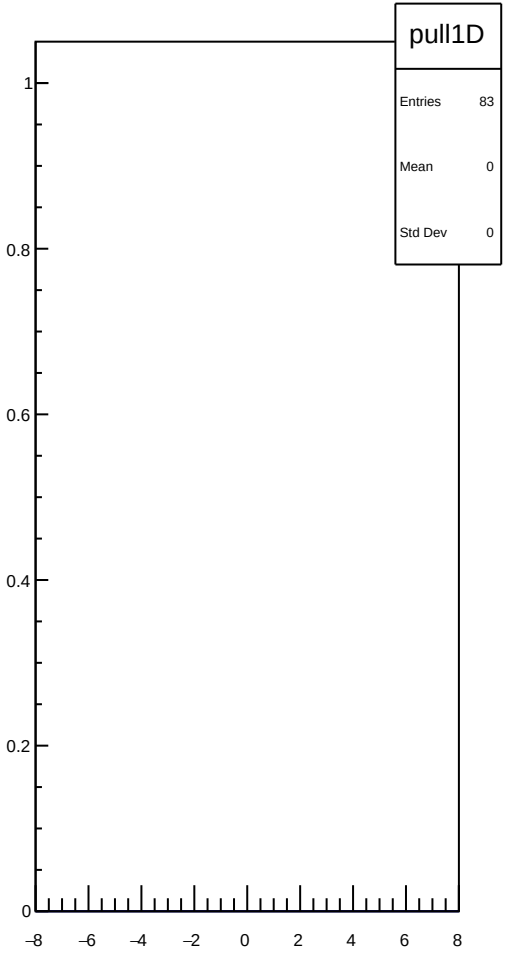

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 5.536e+28 / 82
p0 931.8 ± 1.098e−16
931.81
931.8
931.79
931.78
931.77
931.76
931.75
931.74
931.73
931.72
pull
Entries 83
Mean 4.102e+10
Std Dev 4.102e+10
×10¹²
20
10
0
−10
−20
−30
−40
−50
−60

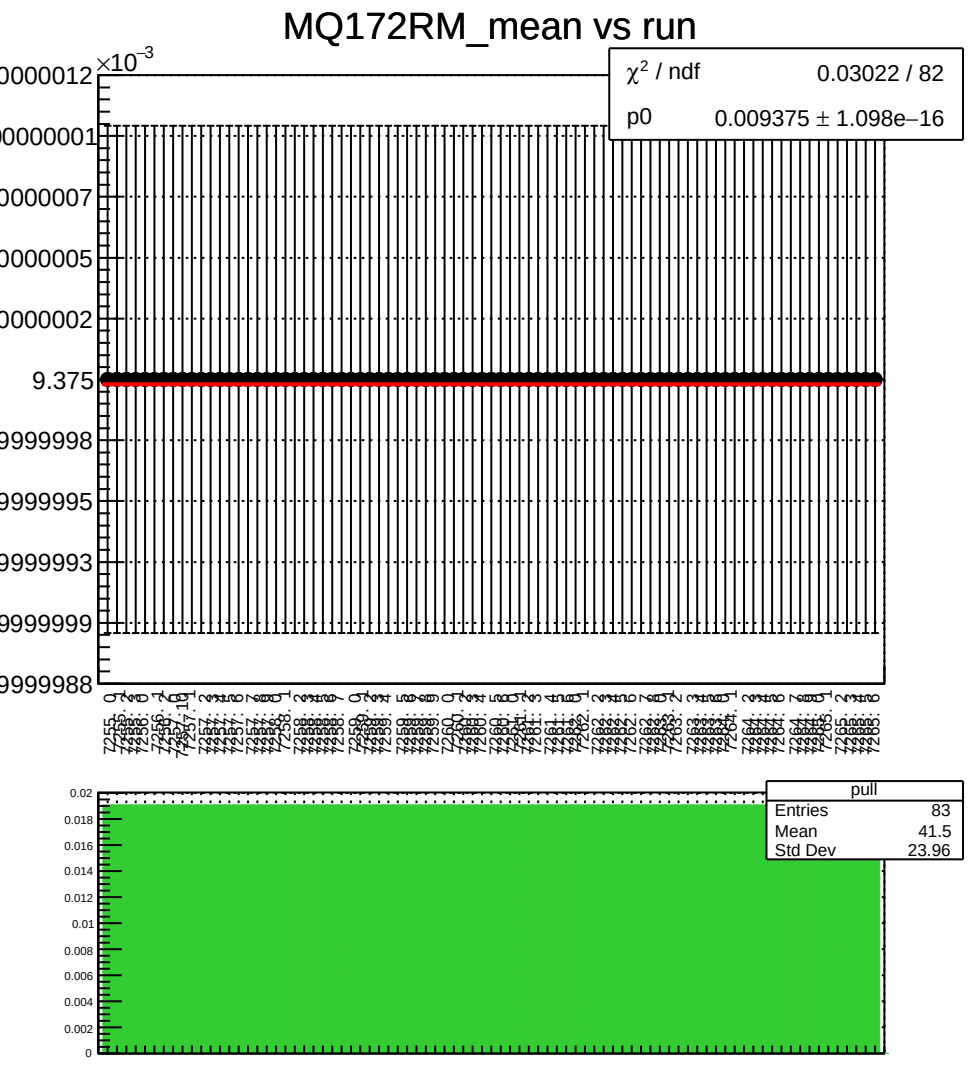

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

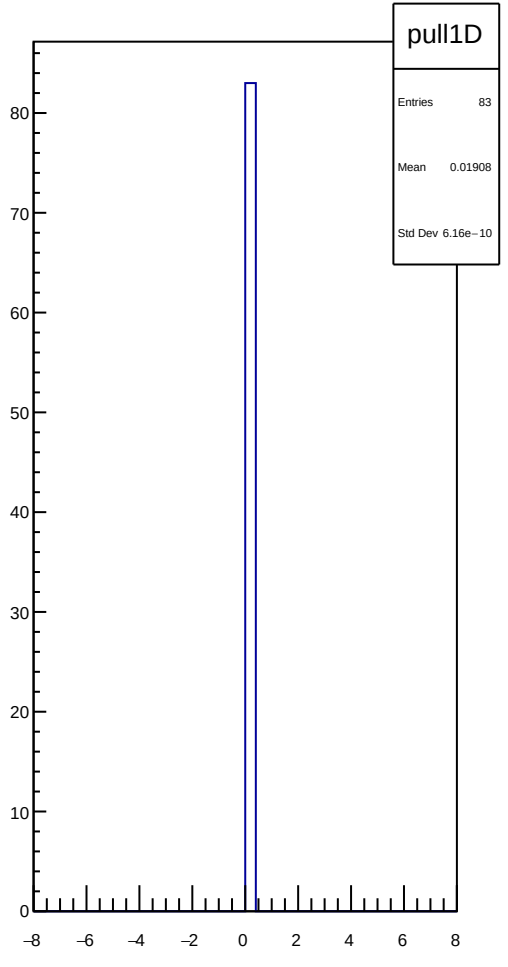

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.035e+26 / 82
p0 741.5 ± 1.098e−16
741.5
741.499
741.498
741.497
741.496
741.495
×10⁹
3000
2000
1000
0
−1000
pull
Entries 83
Mean −1.066e+09
Std Dev 1.066e+09

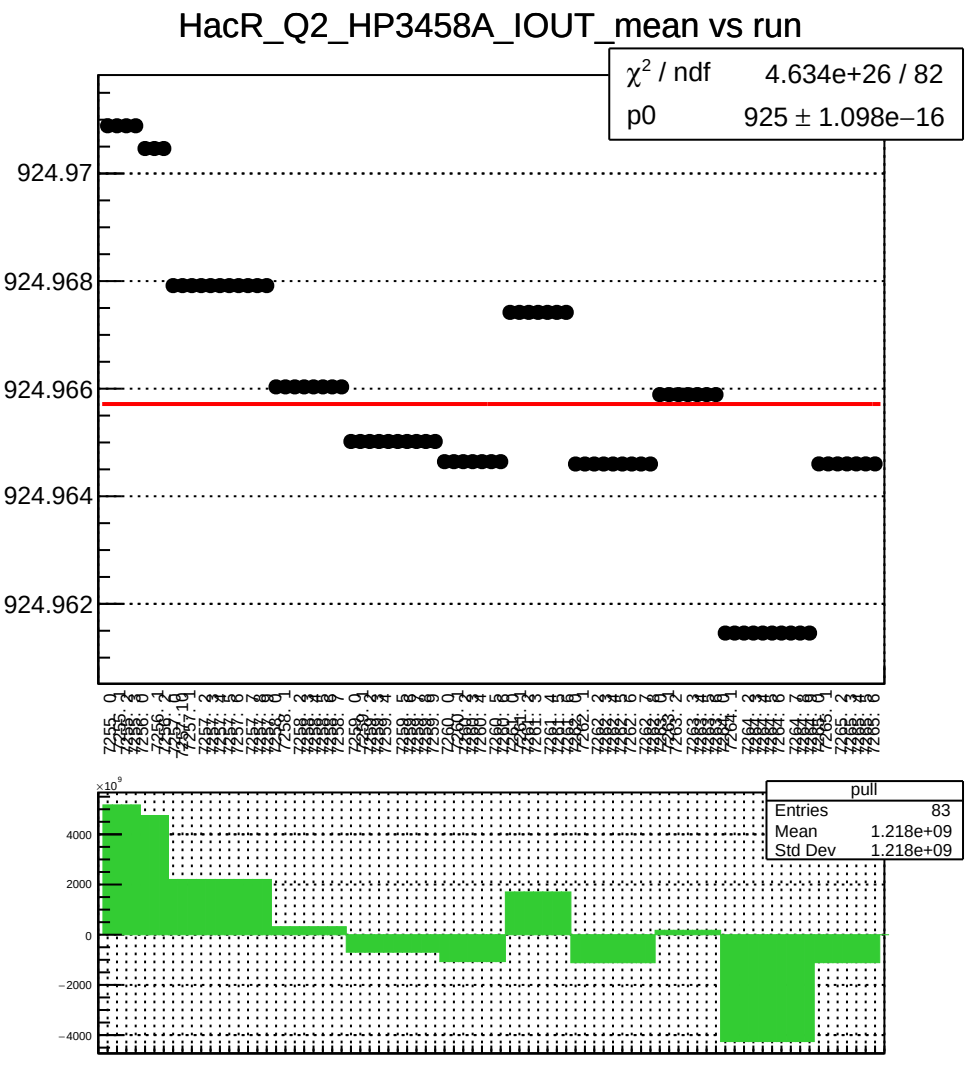

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

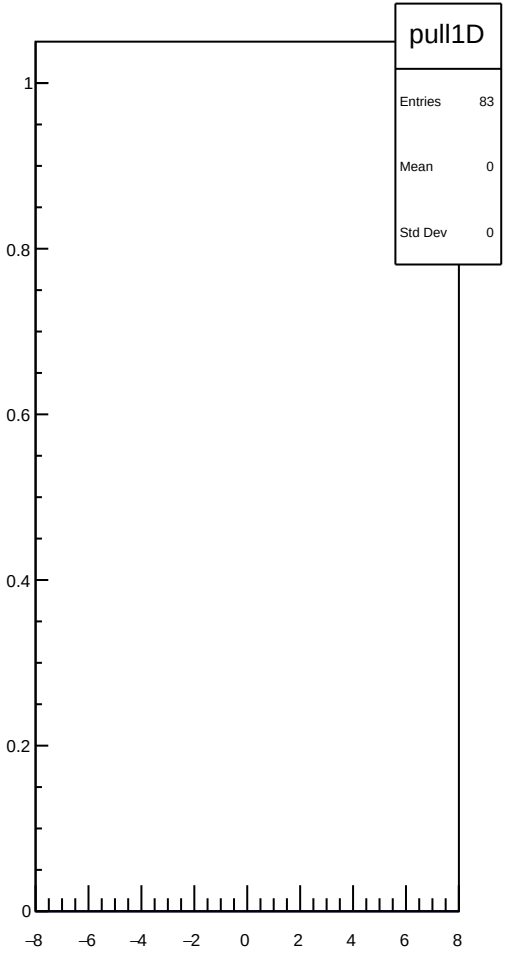

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.911e+26 / 82
p0 980.8 ± 1.098e−16
980.756
980.755
980.754
980.753
980.752
980.751
980.75
980.749
pull
Entries 83
Mean 1.038e+09
Std Dev 1.038e+09
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000

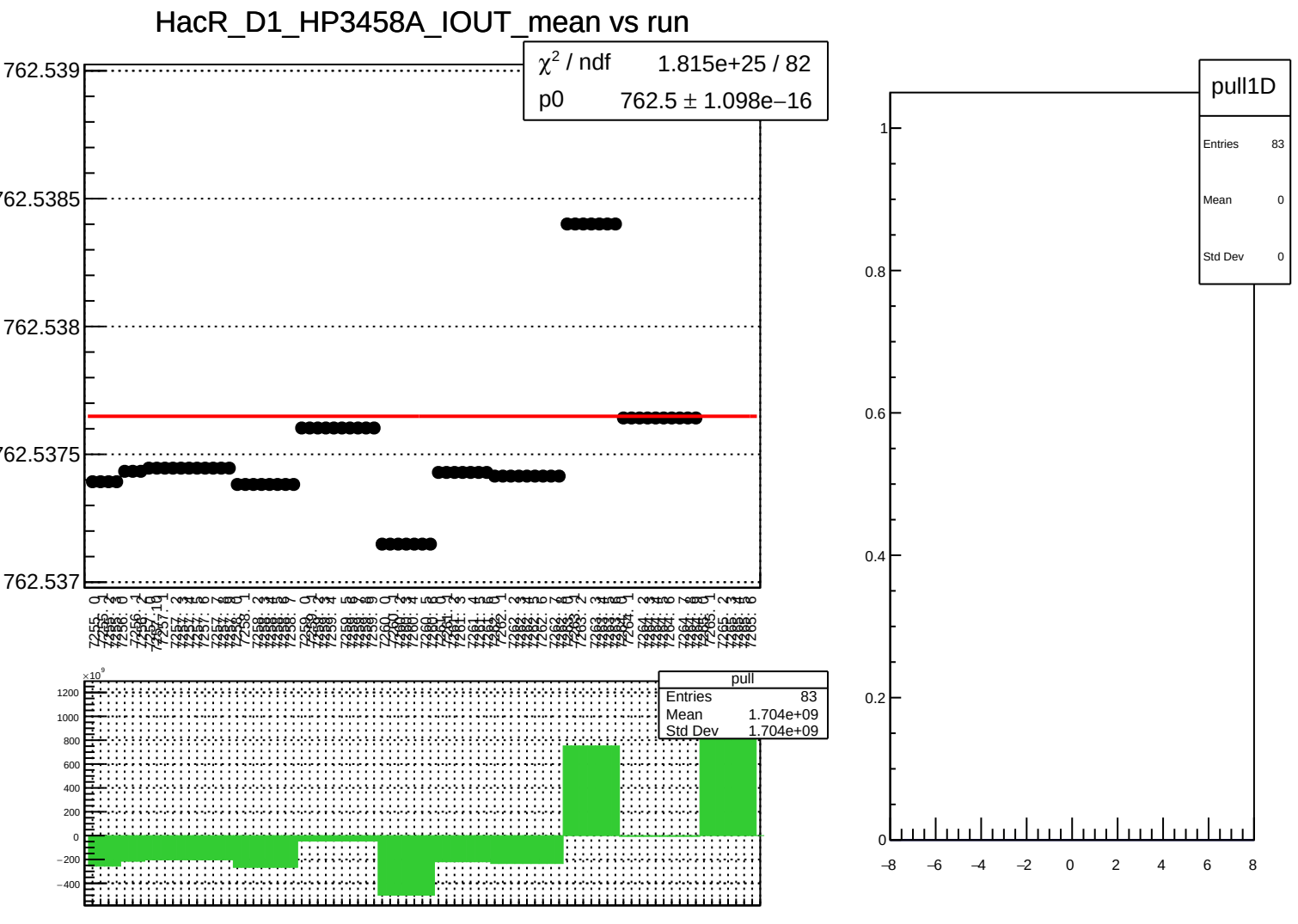

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

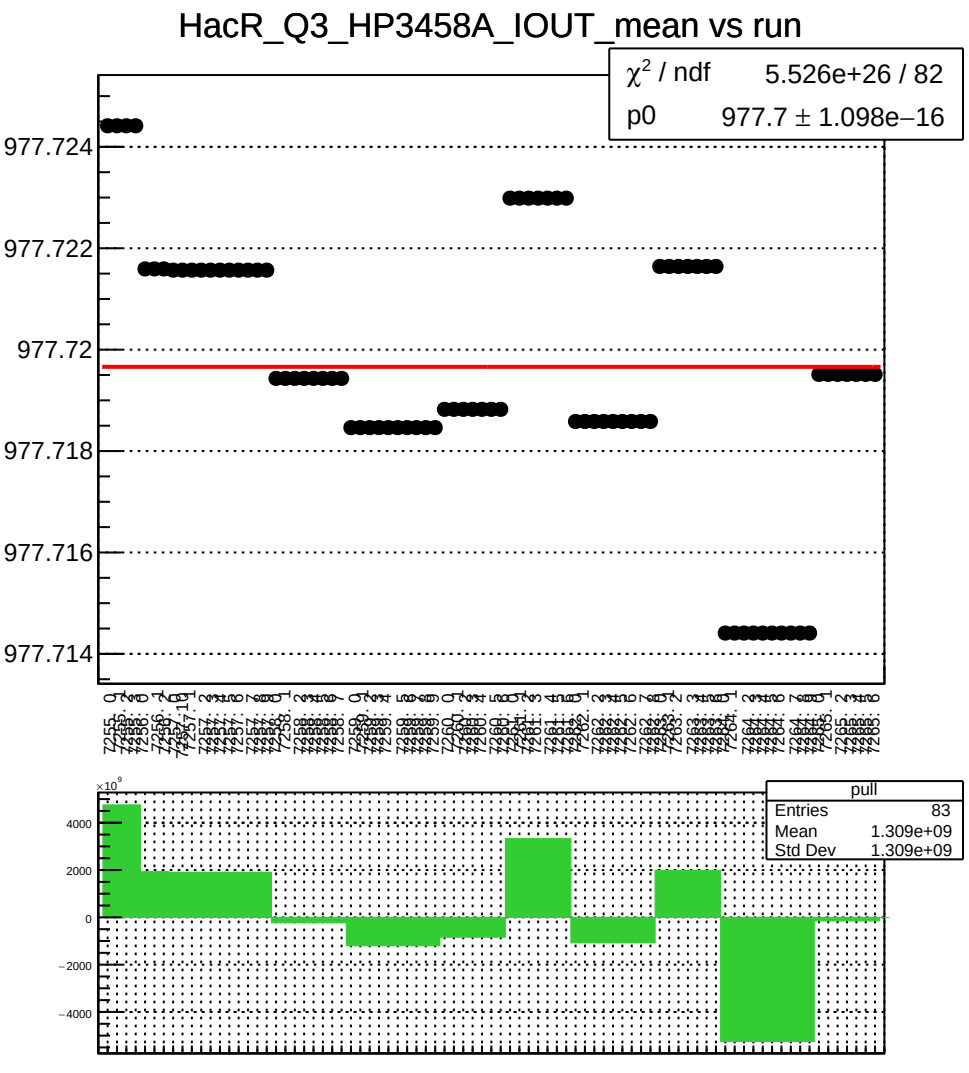

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
9.375
pull
Entries 83
Mean 41.5
Std Dev 23.96

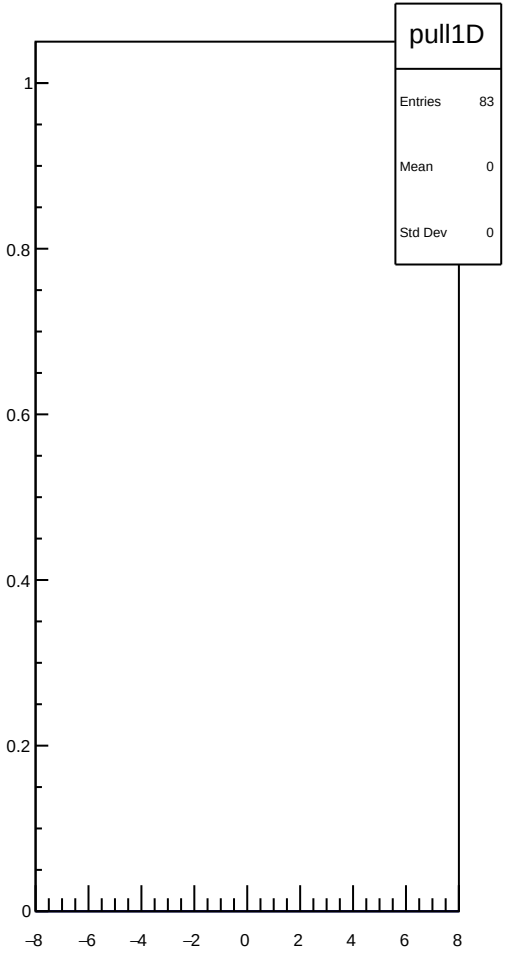

pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

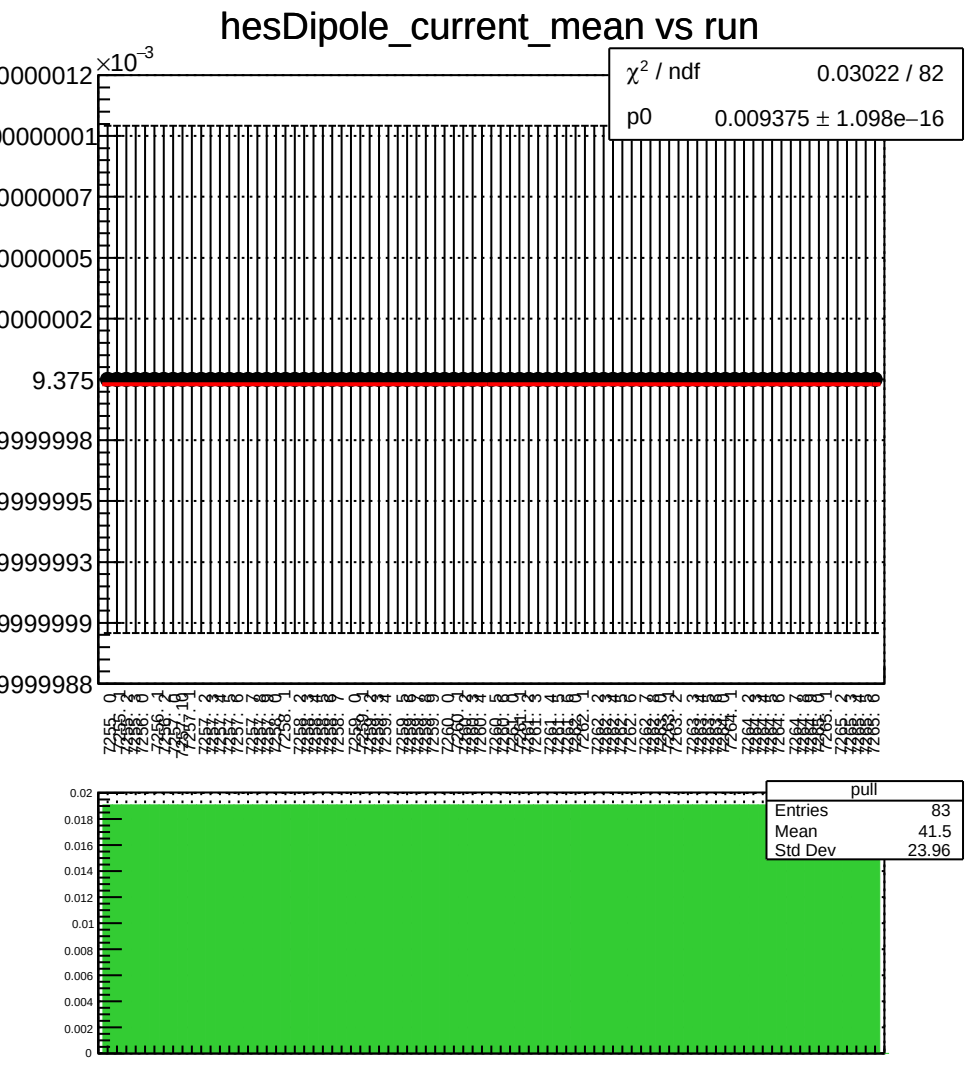

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 4.634e+26 / 82
p0 925 ± 1.098e−16
924.97
924.968
924.966
924.964
924.962
×10⁹
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 1.218e+09
Std Dev 1.218e+09

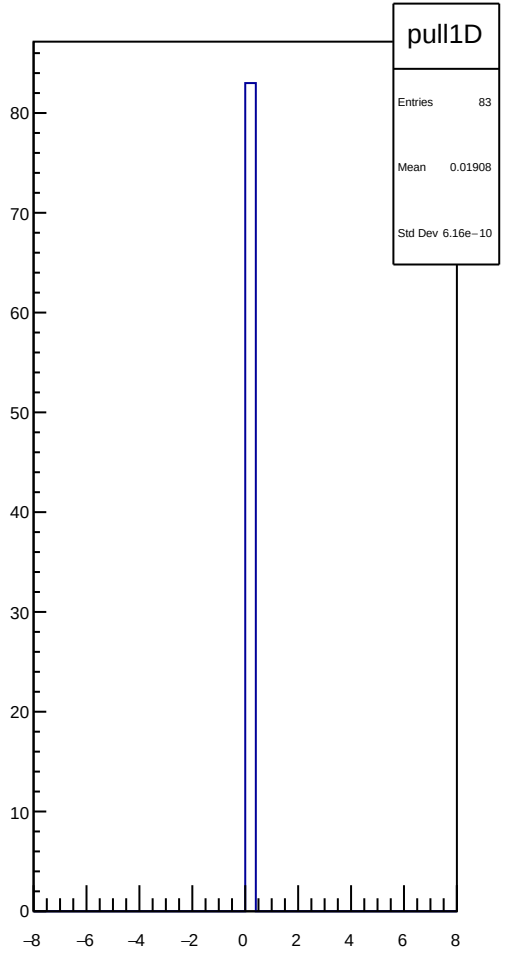

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

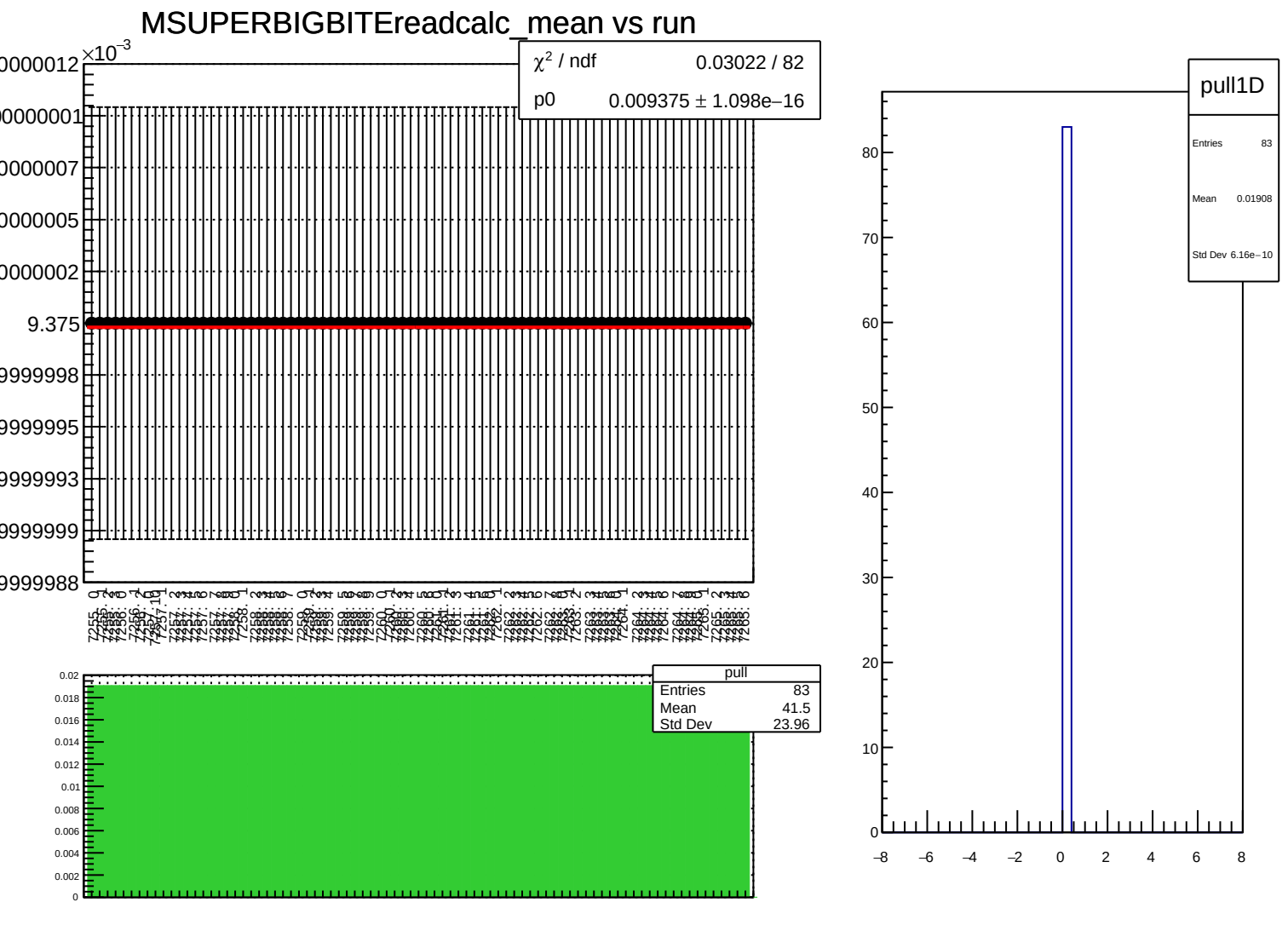

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.815e+25 / 82
p0 762.5 ± 1.098e−16
762.539
762.5385
762.538
762.5375
762.537
pull
Entries 83
Mean 1.704e+09
Std Dev 1.704e+09
×10⁹
1200
1000
800
600
400
200
0
−200
−400
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

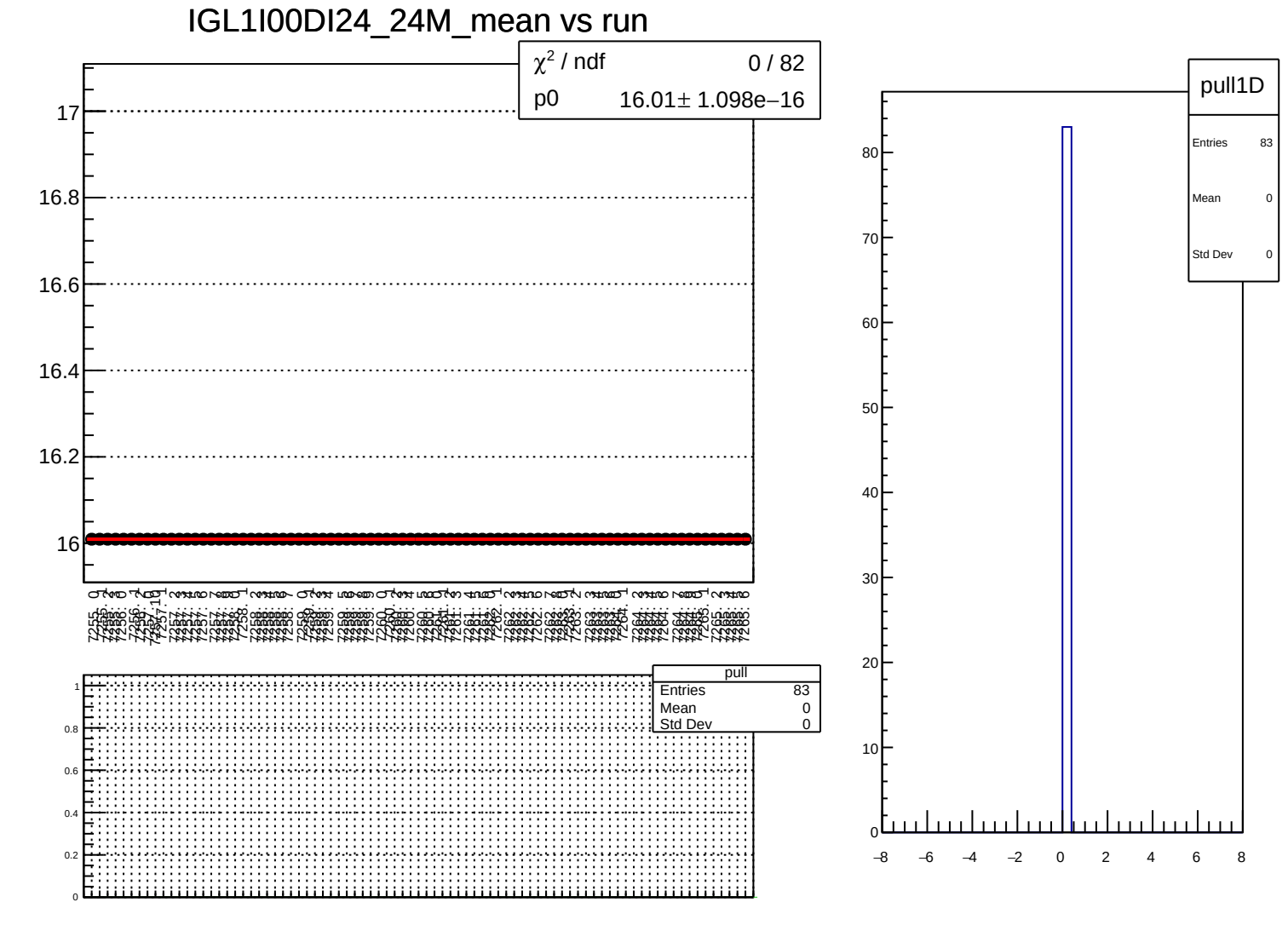

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 5.526e+26 / 82
p0 977.7 ± 1.098e−16
977.724
977.722
977.72
977.718
977.716
977.714
×10⁹
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 1.309e+09
Std Dev 1.309e+09

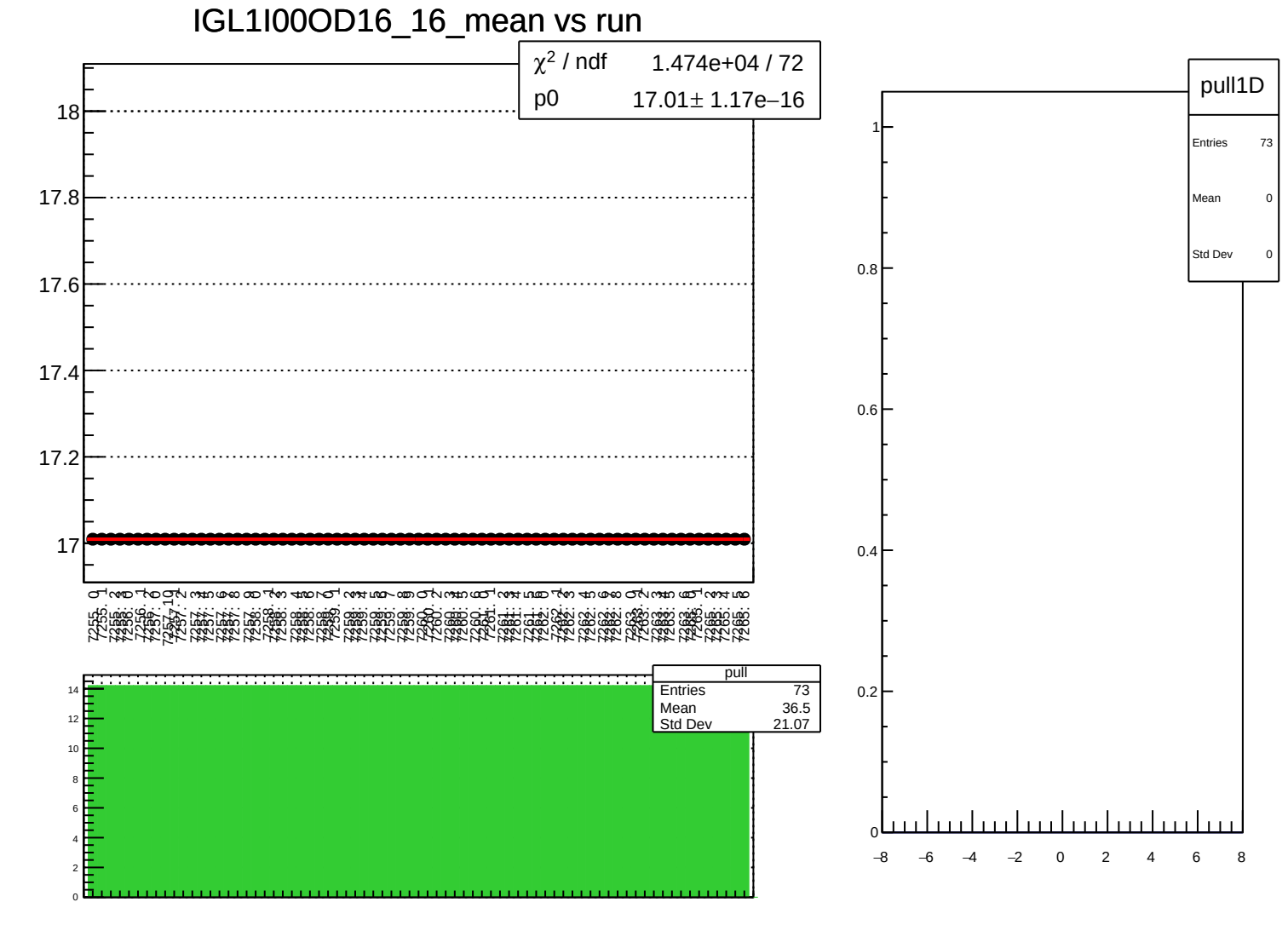

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

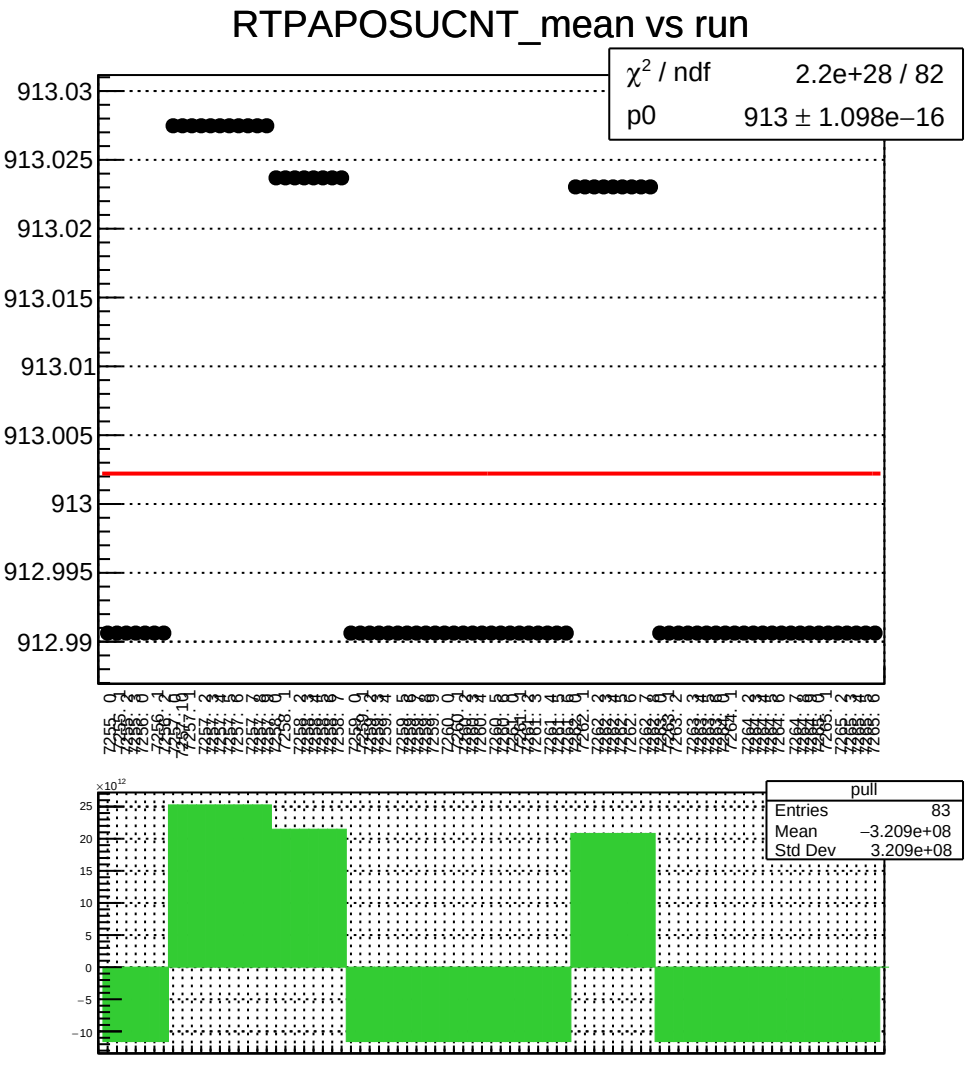

hesDipole_current_mean vs run
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
×10⁻³
9.375
pull
Entries 83
Mean 41.5
Std Dev 23.96

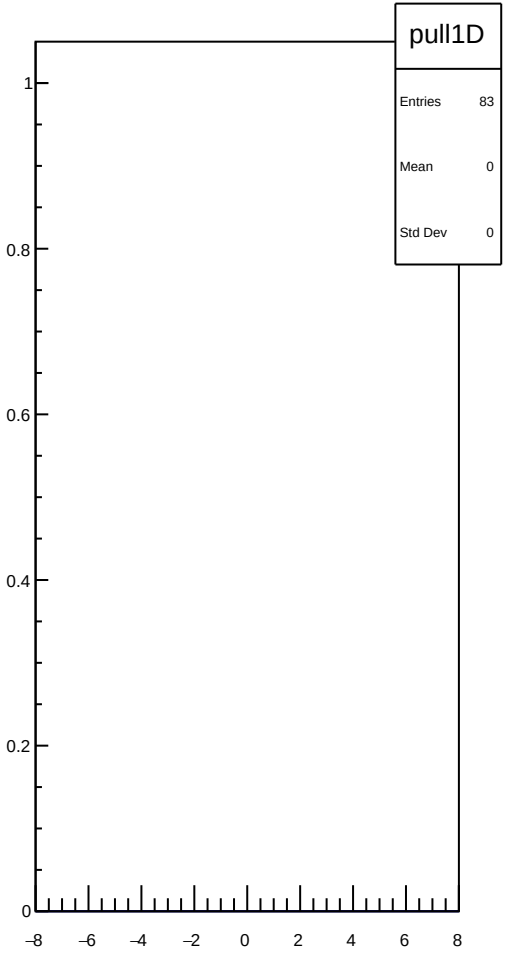

pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

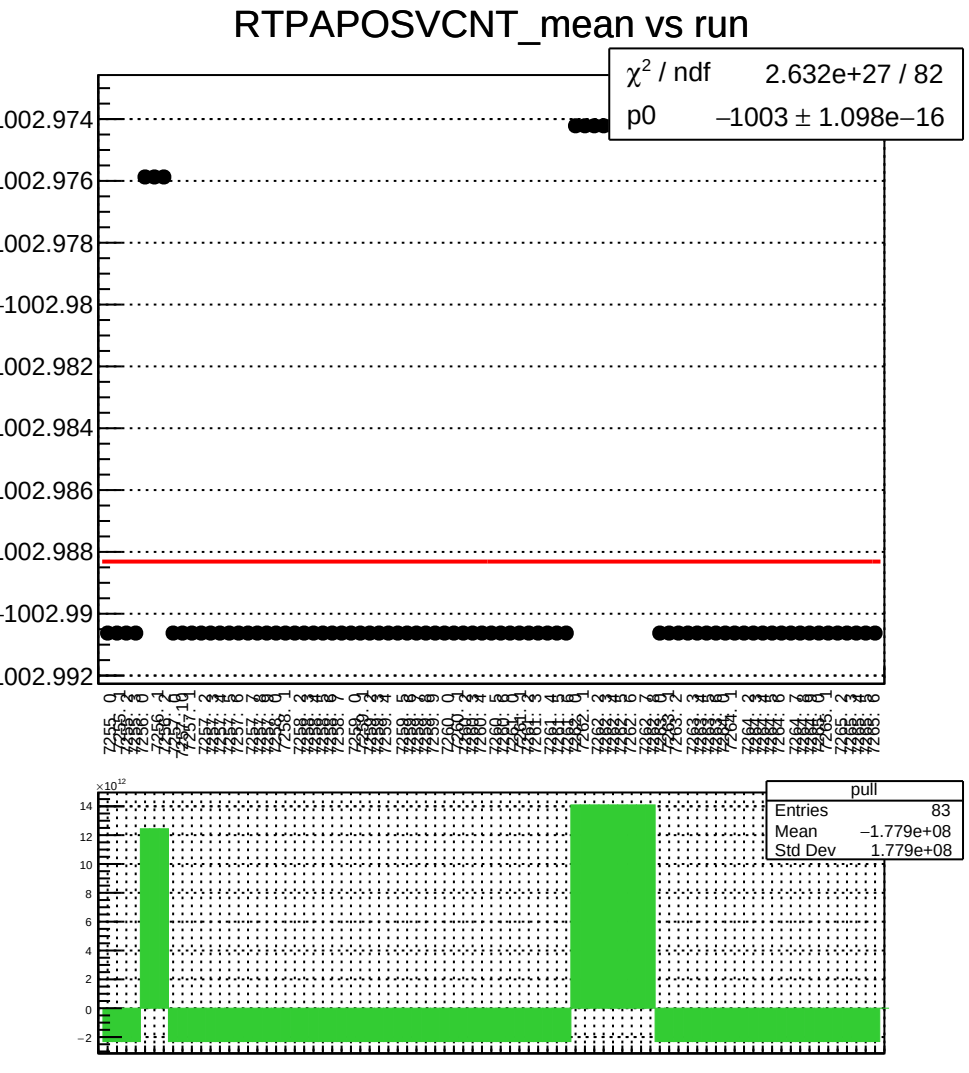

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
×10⁻³
pull
Entries 83
Mean 41.5
Std Dev 23.96
pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

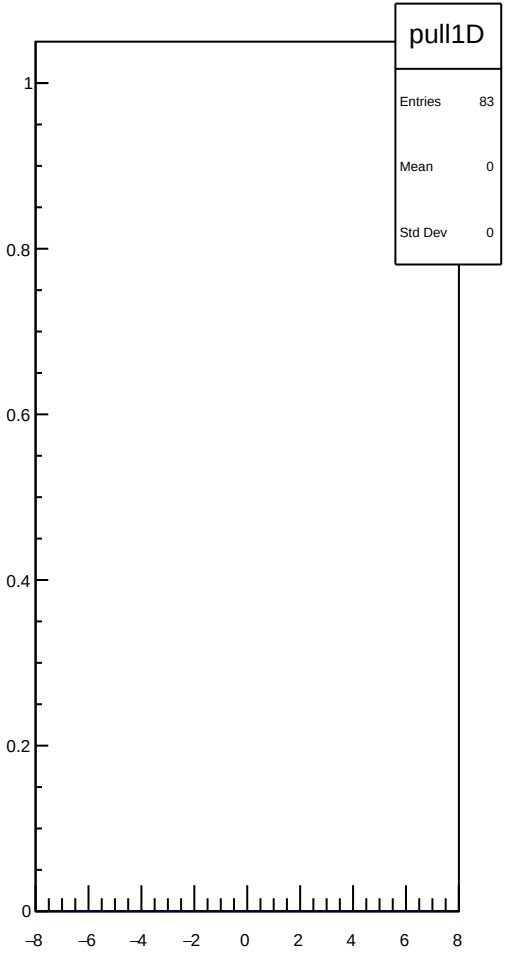

IGL1I00DI24_24M_mean vs run
χ² / ndf 0 / 82
p0 16.01± 1.098e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 83
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


IGL1I00OD16_16_mean vs run
χ² / ndf 1.474e+04 / 72
p0 17.01± 1.17e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 73
Mean 36.5
Std Dev 21.07
14
12
10
8
6
4
2
0
pull1D
Entries 73
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSUCNT_mean vs run
χ² / ndf 2.2e+28 / 82
p0 913 ± 1.098e−16
913.03
913.025
913.02
913.015
913.01
913.005
913
912.995
912.99
pull
Entries 83
Mean −3.209e+08
Std Dev 3.209e+08
×10¹²
25
20
15
10
5
0
−5
−10


pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 2.632e+27 / 82
p0 −1003 ± 1.098e−16
−1002.974
−1002.976
−1002.978
−1002.98
−1002.982
−1002.984
−1002.986
−1002.988
−1002.99
−1002.992
pull
Entries 83
Mean −1.779e+08
Std Dev 1.779e+08
×10¹²
14
12
10
8
6
4
2
0
−2


pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8