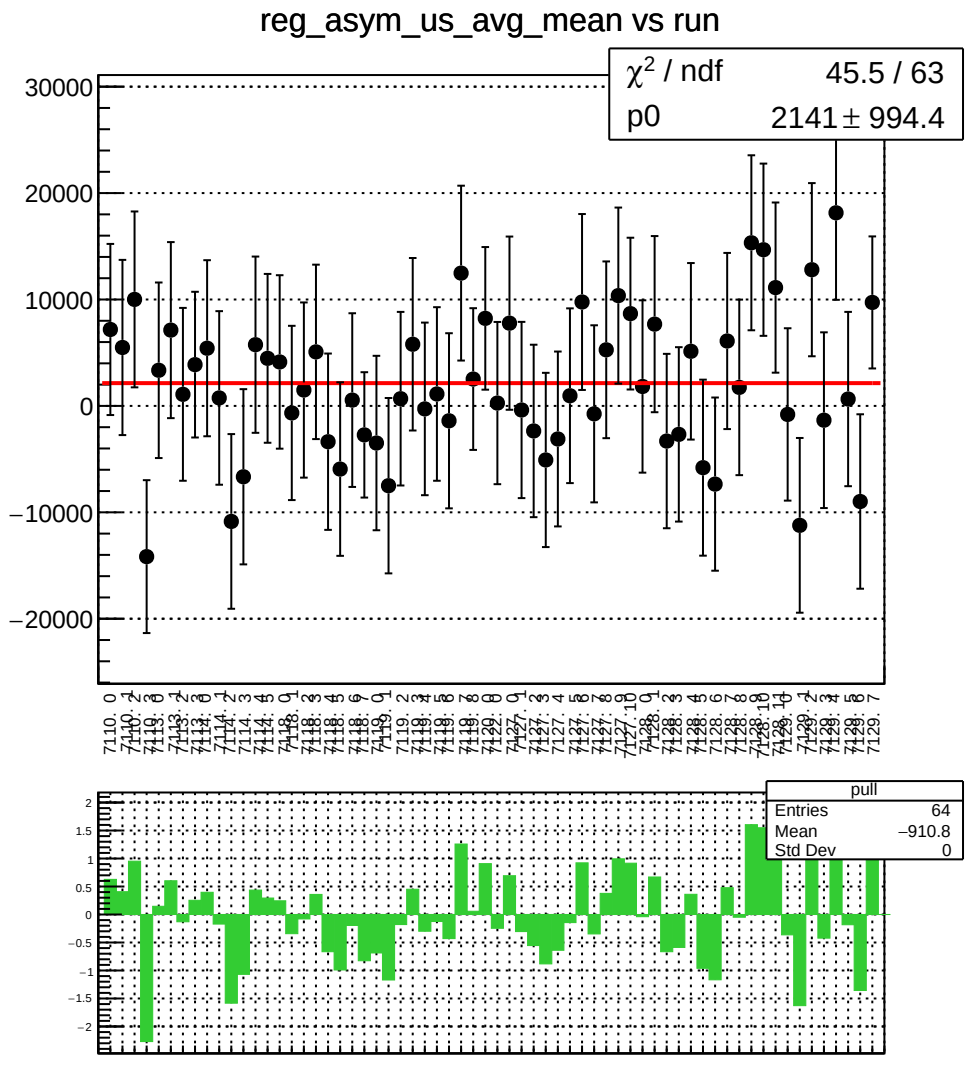
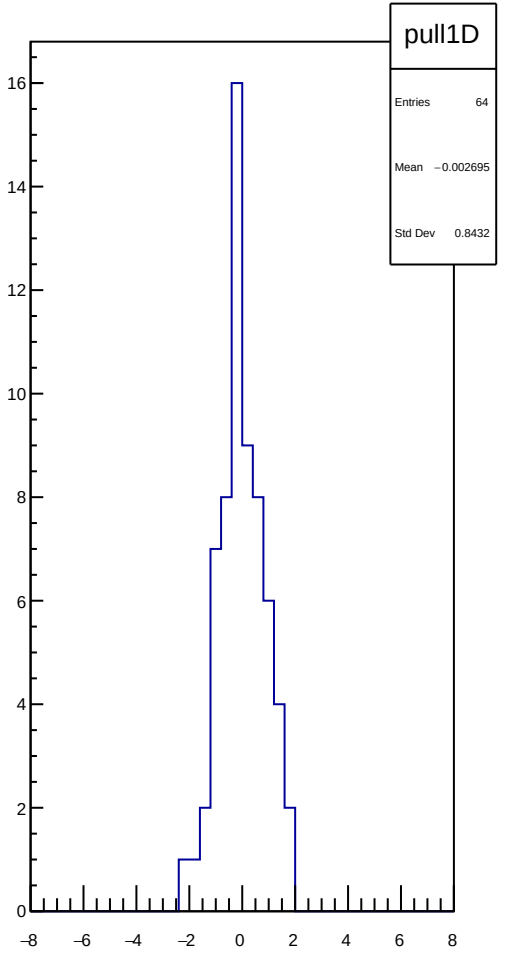
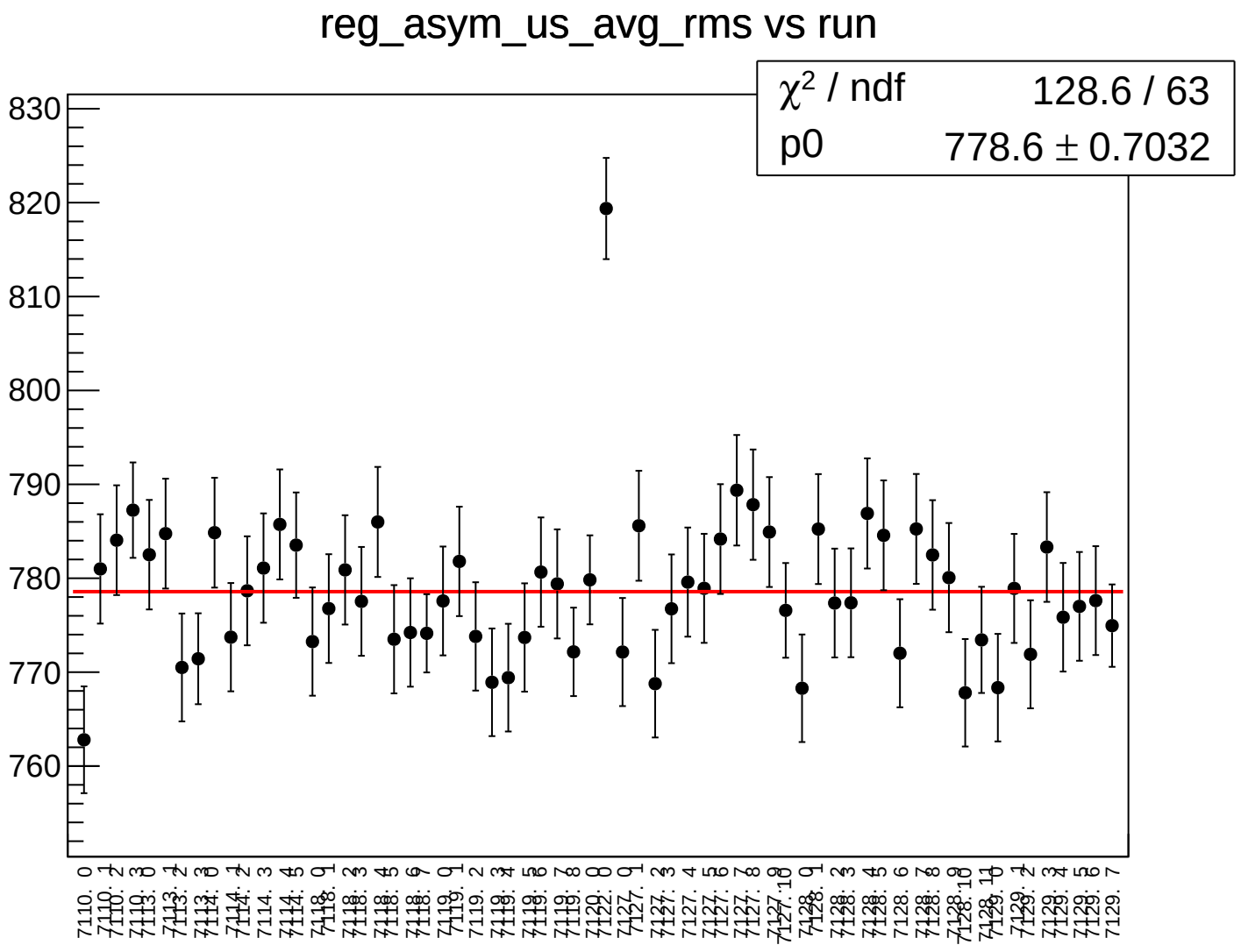
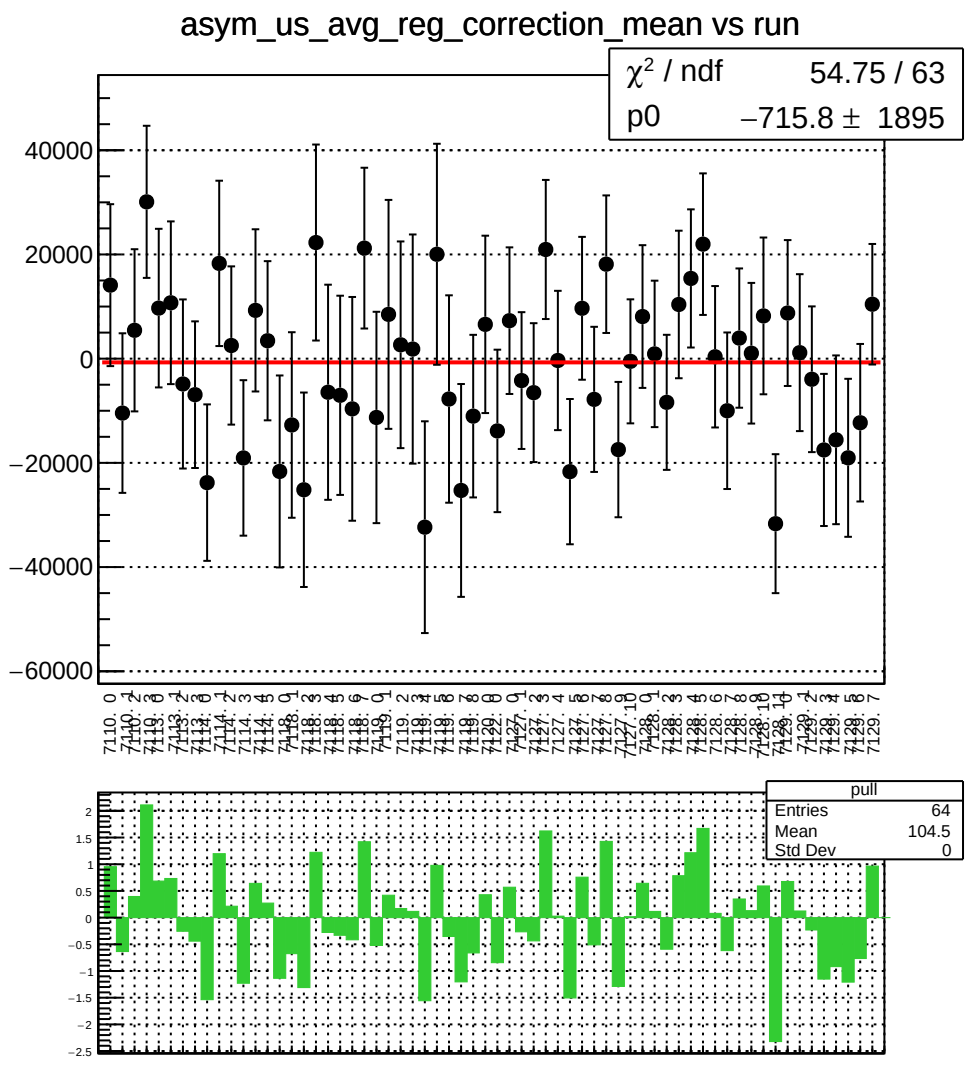
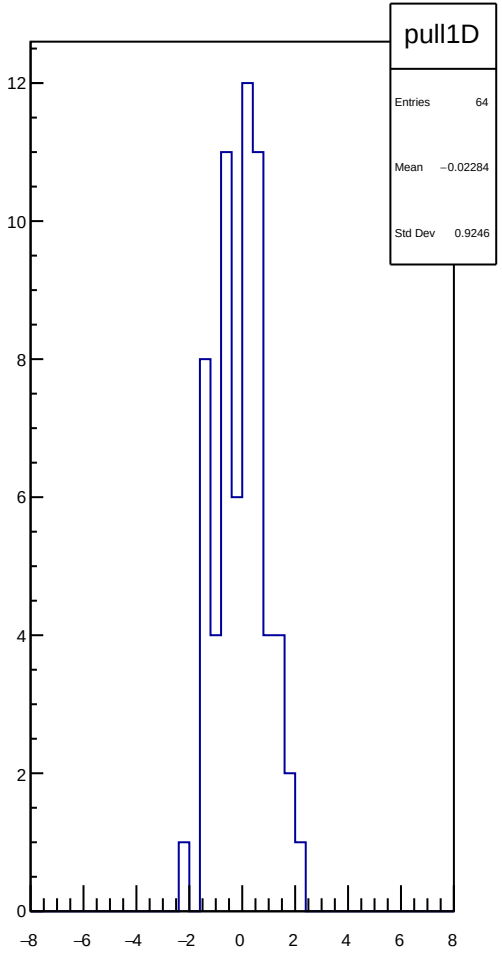
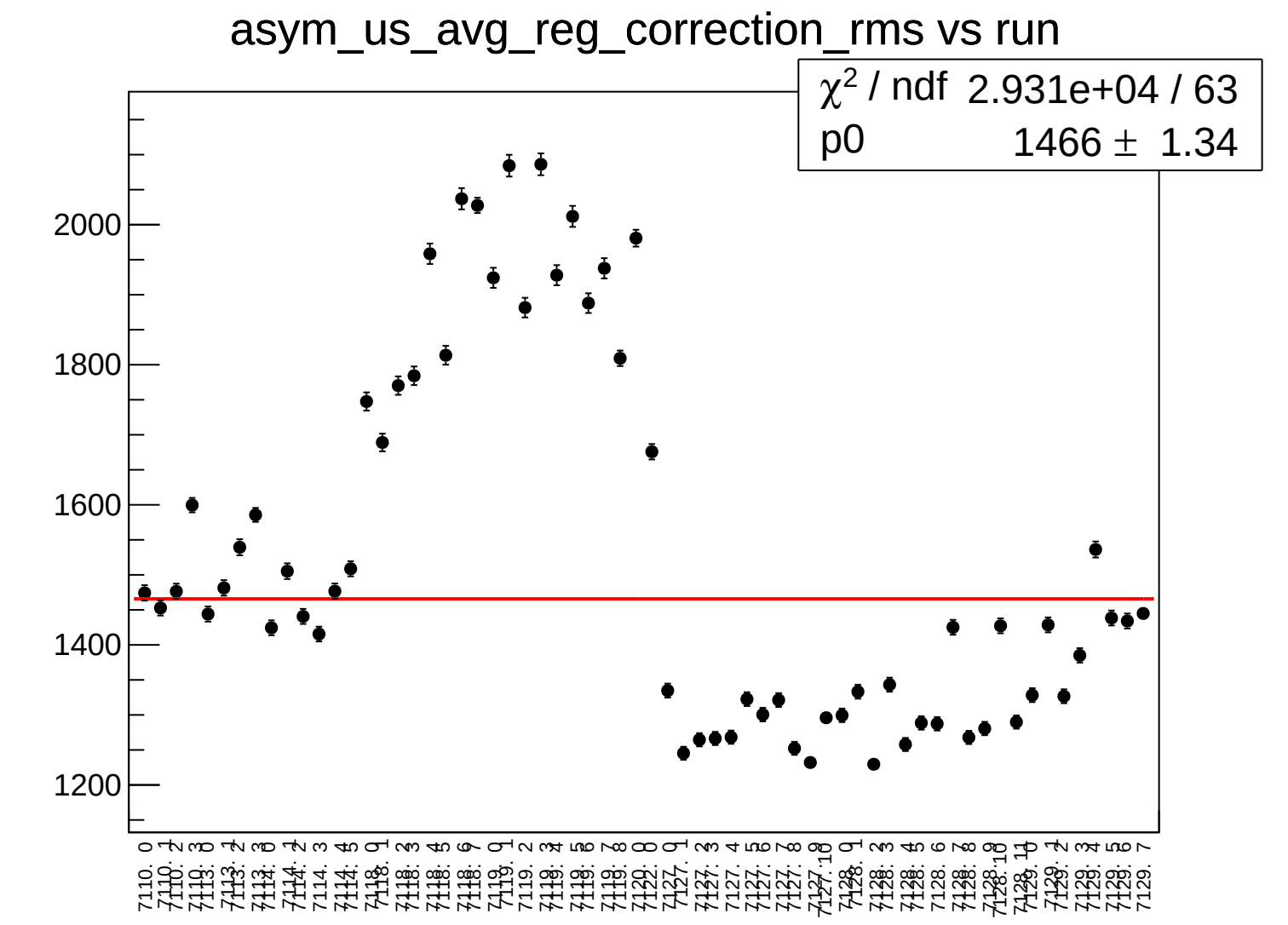

reg_asym_us_avg_mean vs run
χ² / ndf 45.5 / 63
p0 2141 ± 994.4
30000
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −910.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

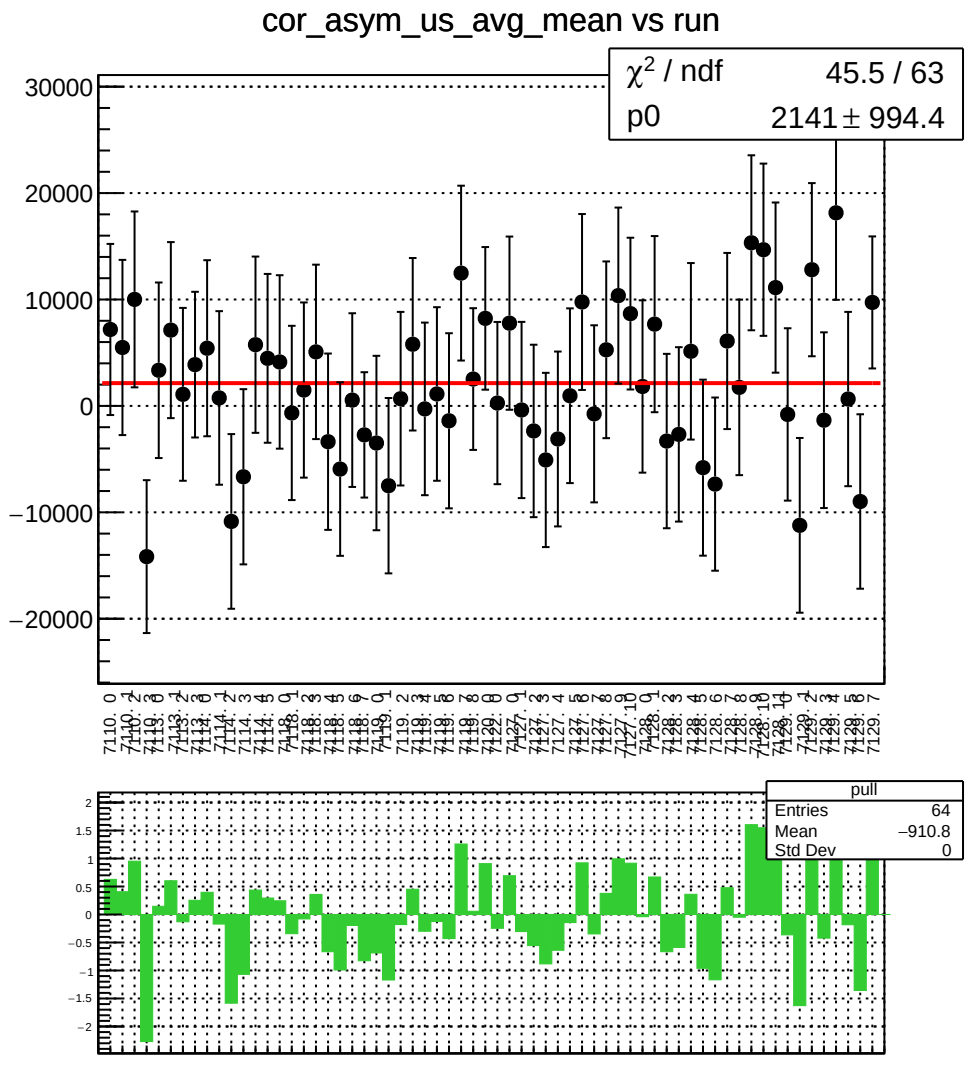

pull1D
Entries 64
Mean −0.002695
Std Dev 0.8432
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

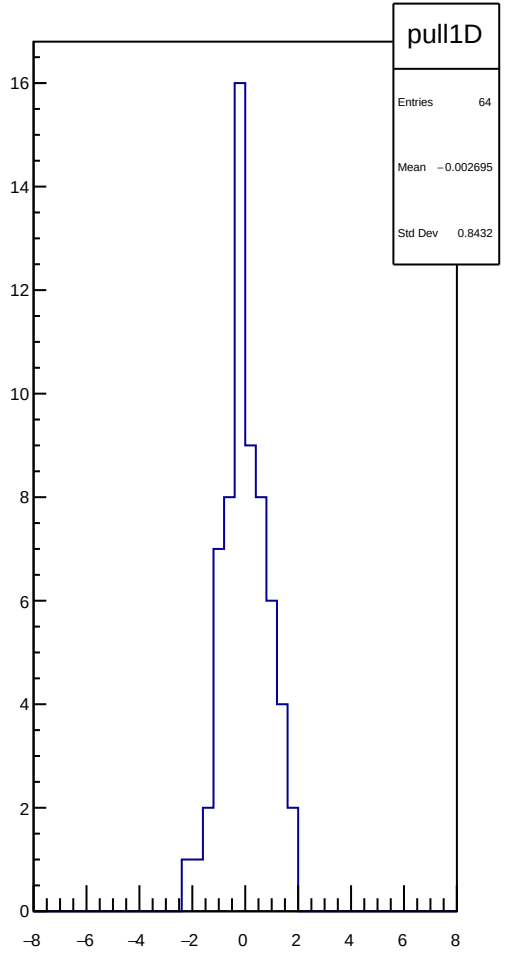

reg_asym_us_avg_rms vs run
χ^2 / ndf 128.6 / 63
p0 778.6 ± 0.7032
830
820
810
800
790
780
770
760

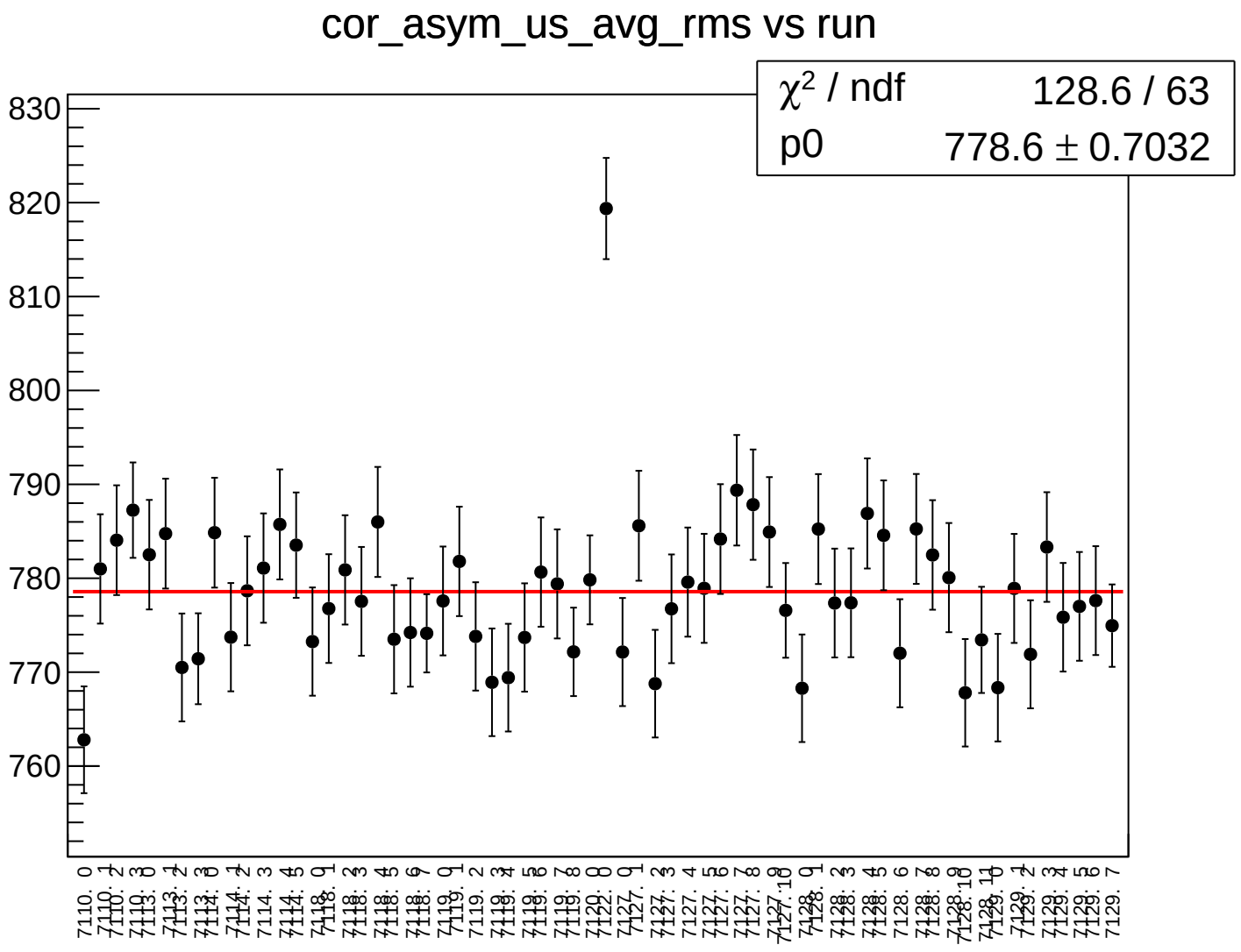

asym_us_avg_reg_correction_mean vs run
χ² / ndf 54.75 / 63
p0 −715.8 ± 1895
pull
Entries 64
Mean 104.5
Std Dev 0

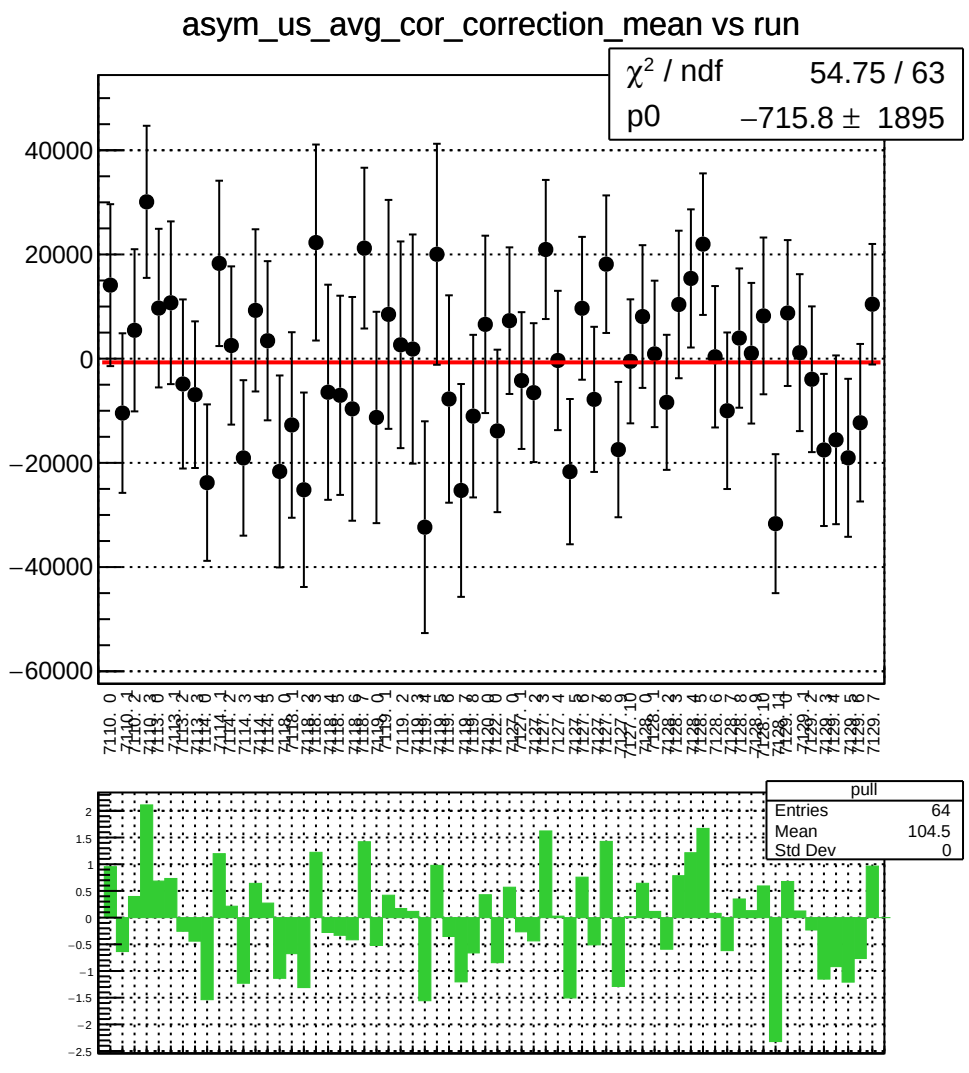

pull1D
Entries 64
Mean −0.02284
Std Dev 0.9246

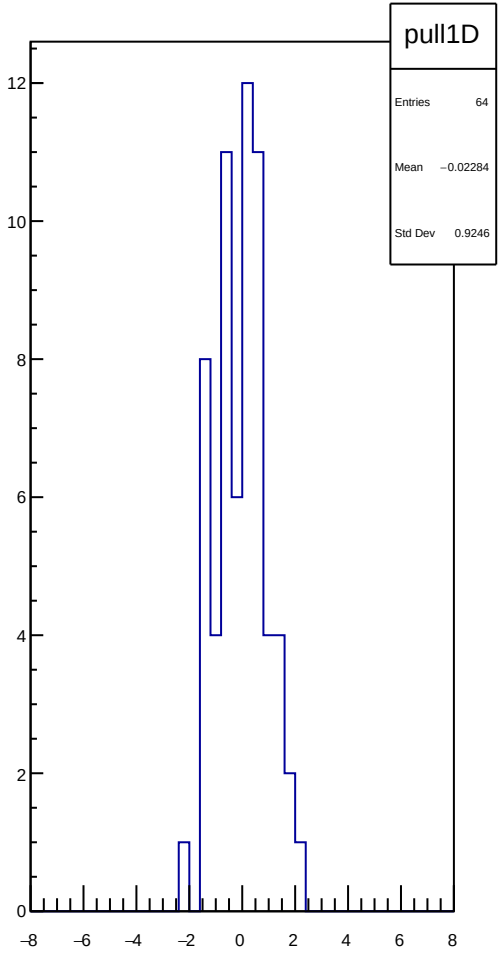

asym_us_avg_reg_correction_rms vs run
χ² / ndf 2.931e+04 / 63
p0 1466 ± 1.34
2000
1800
1600
1400
1200

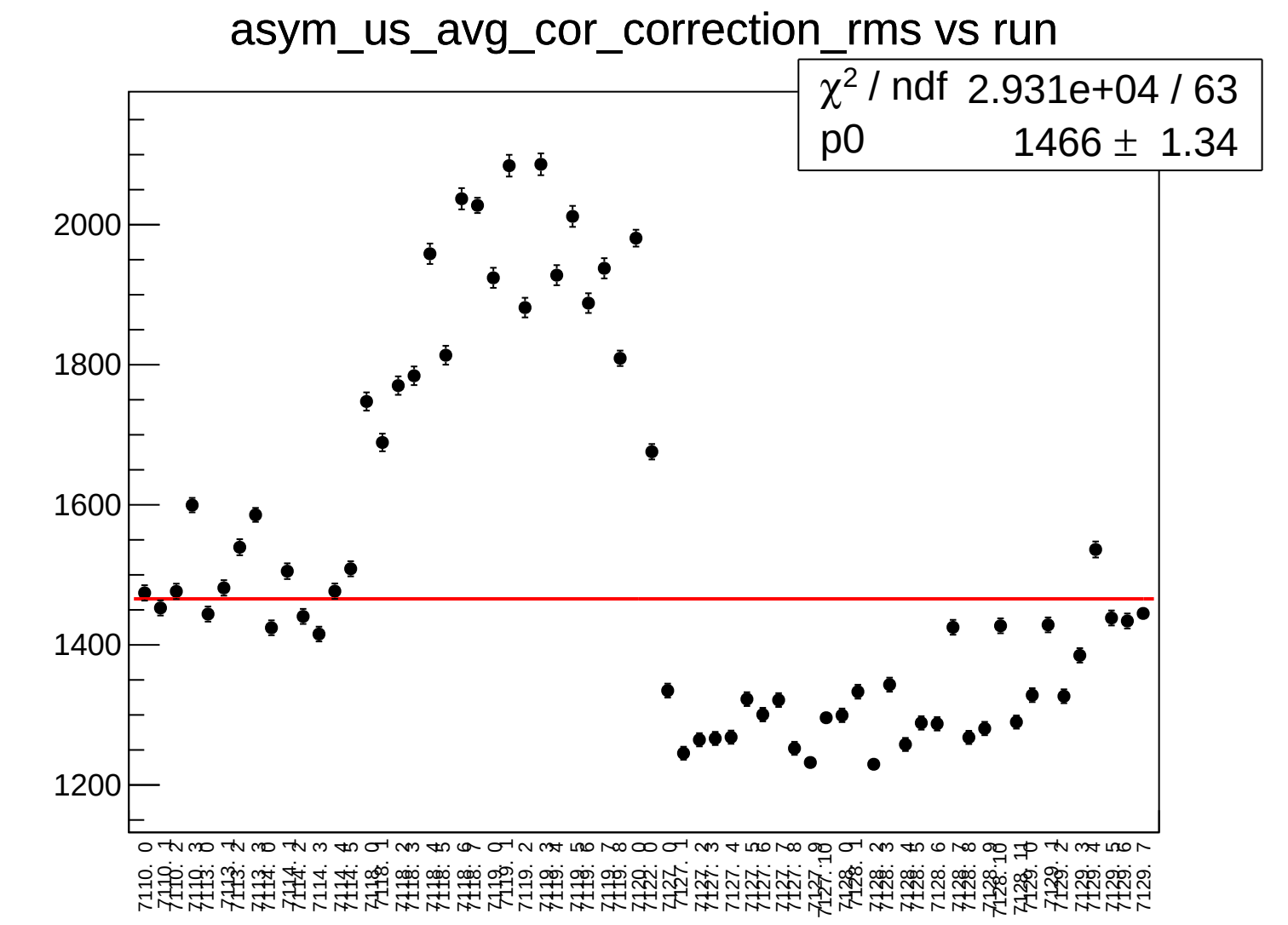

cor_asym_us_avg_mean vs run
χ² / ndf 45.5 / 63
p0 2141 ± 994.4
30000
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −910.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

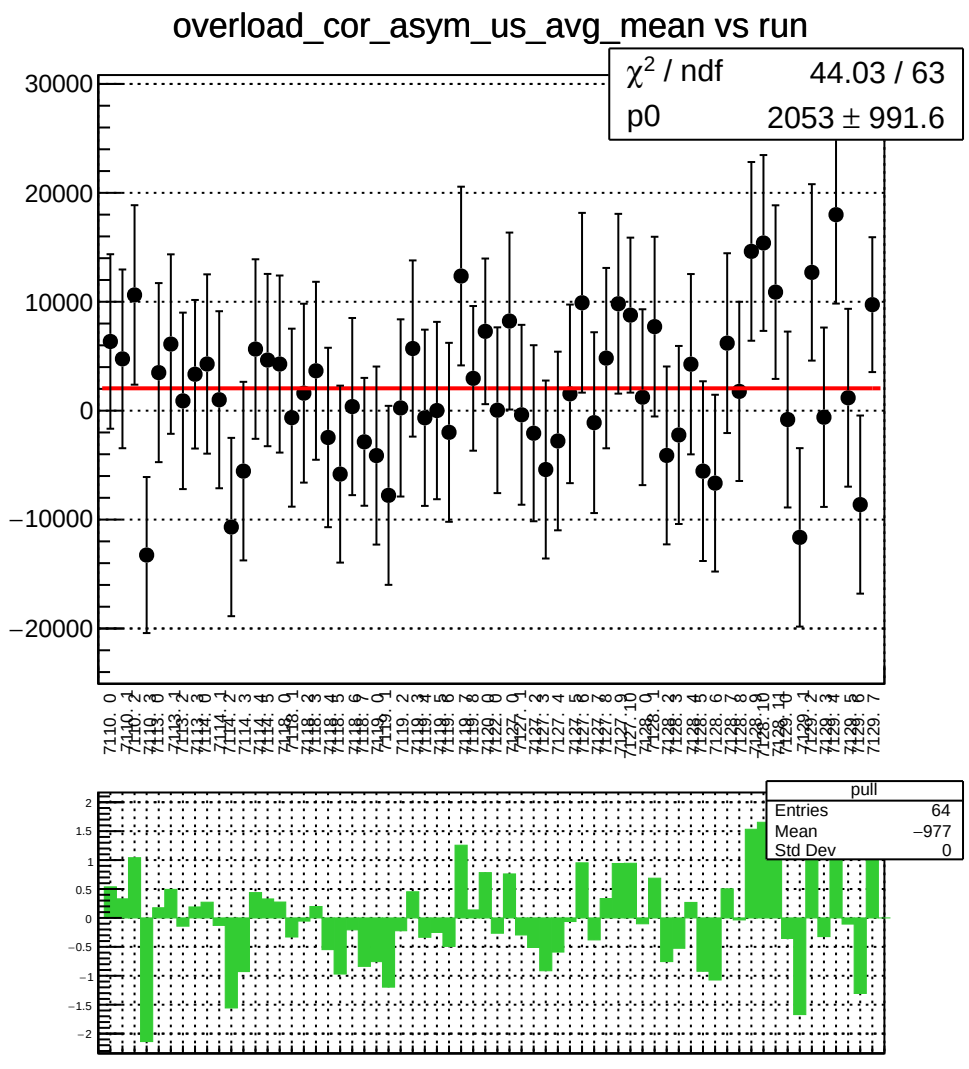

pull1D
Entries 64
Mean −0.002695
Std Dev 0.8432
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

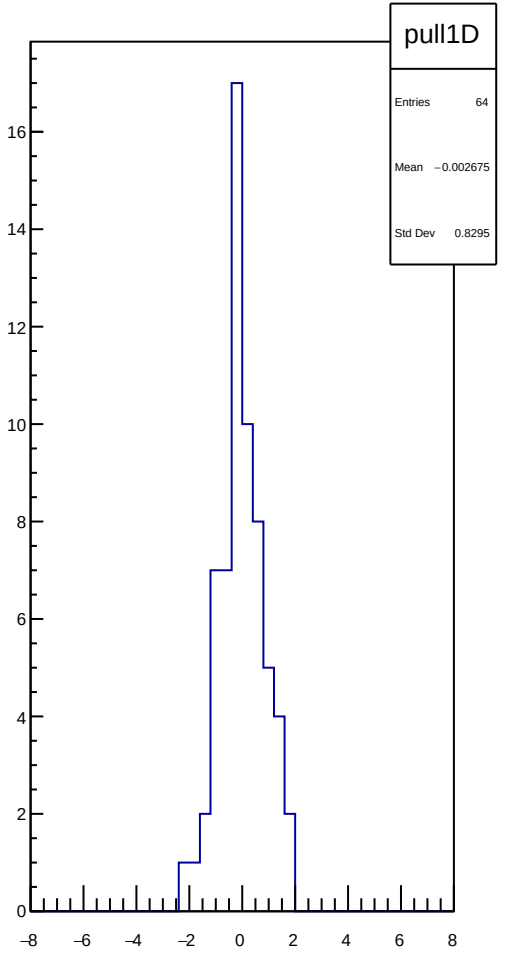

cor_asym_us_avg_rms vs run
χ^2 / ndf 128.6 / 63
p0 778.6 ± 0.7032
830
820
810
800
790
780
770
760

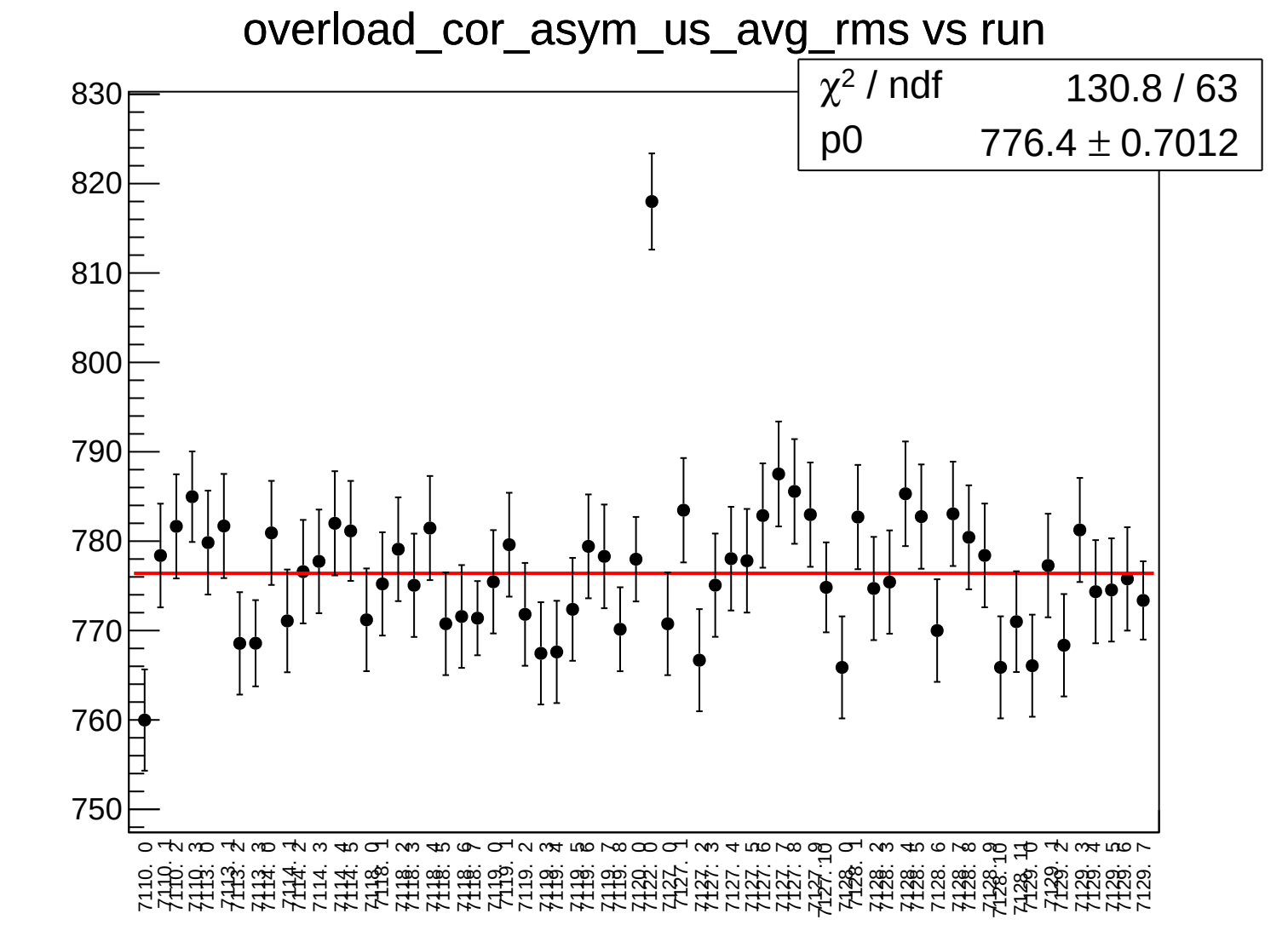

asym_us_avg_cor_correction_mean vs run
χ² / ndf 54.75 / 63
p0 −715.8 ± 1895
pull
Entries 64
Mean 104.5
Std Dev 0

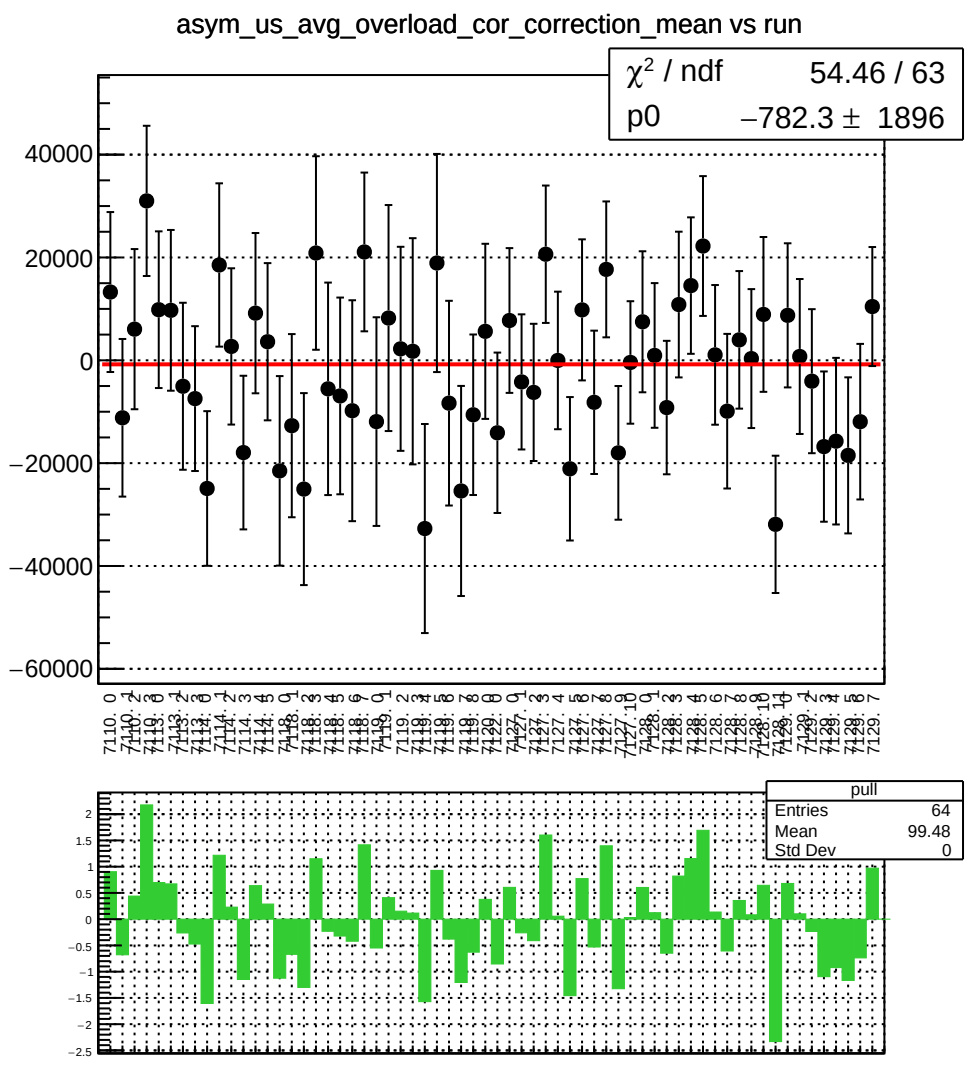

pull1D
Entries 64
Mean −0.02284
Std Dev 0.9246

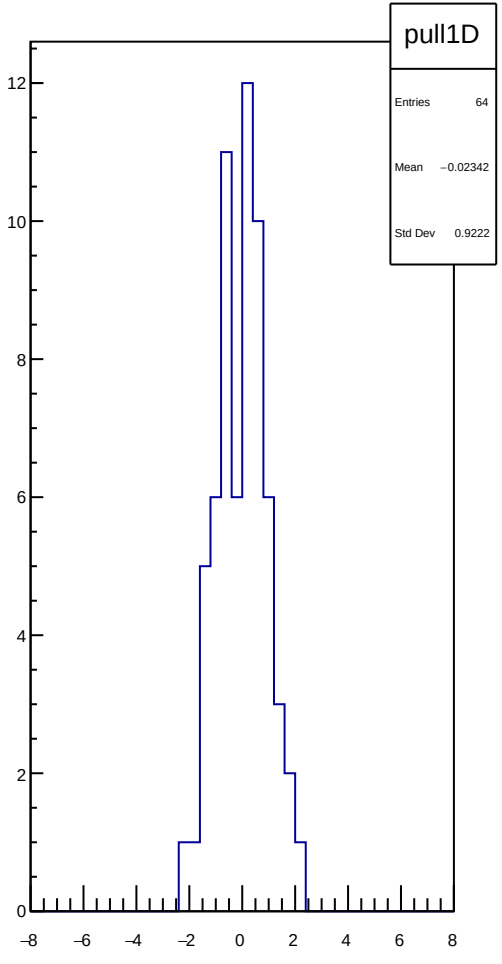

asym_us_avg_cor_correction_rms vs run
χ² / ndf 2.931e+04 / 63
p0 1466 ± 1.34
2000
1800
1600
1400
1200

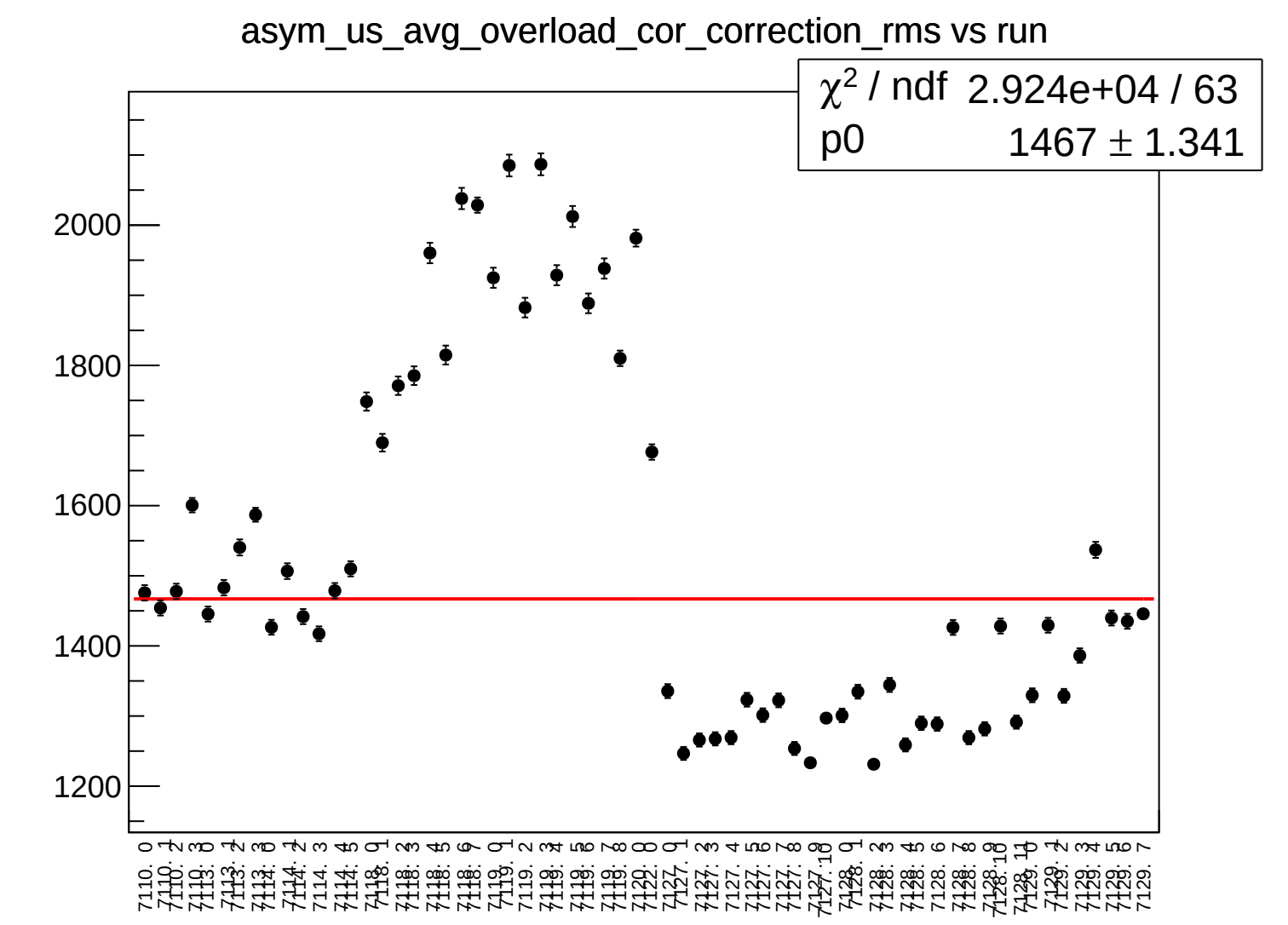

overload_cor_asym_us_avg_mean vs run
χ² / ndf 44.03 / 63
p0 2053 ± 991.6
pull
Entries 64
Mean −977
Std Dev 0

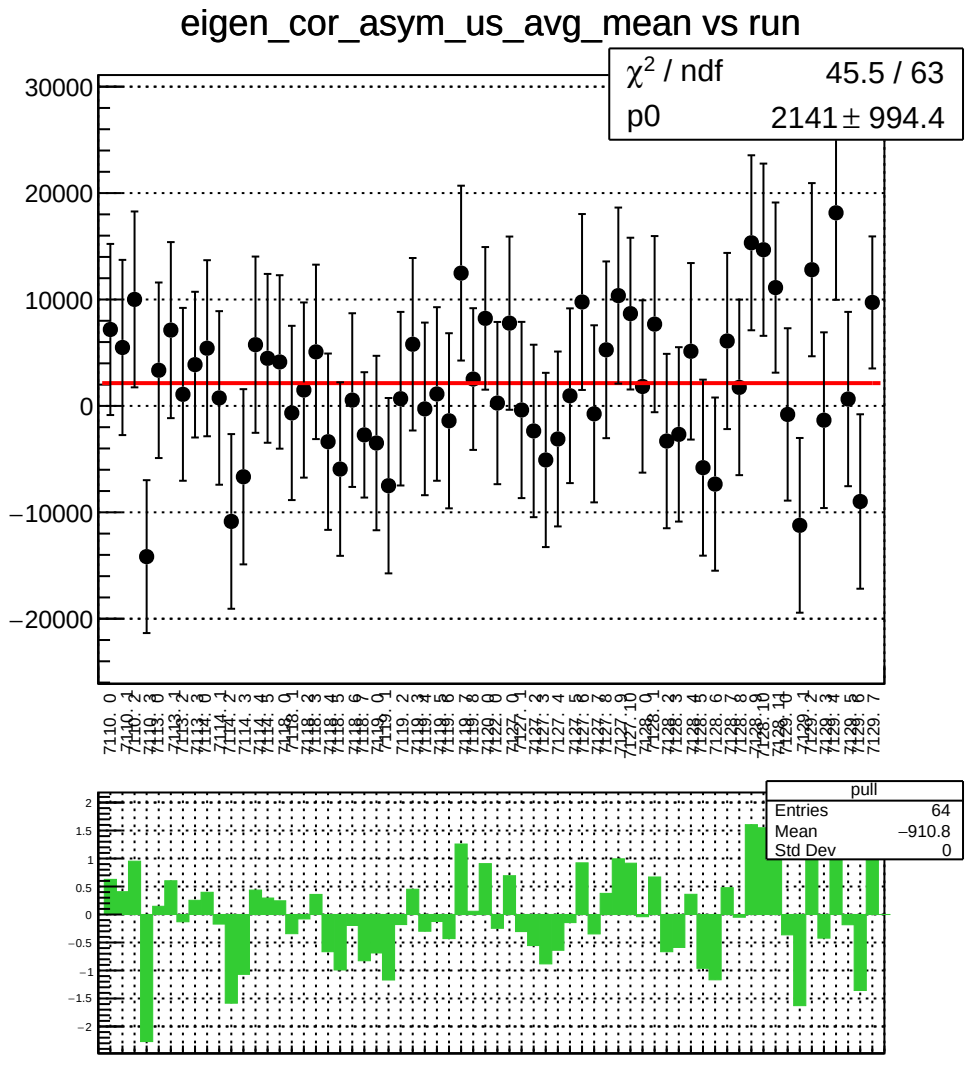

pull1D
Entries 64
Mean −0.002675
Std Dev 0.8295

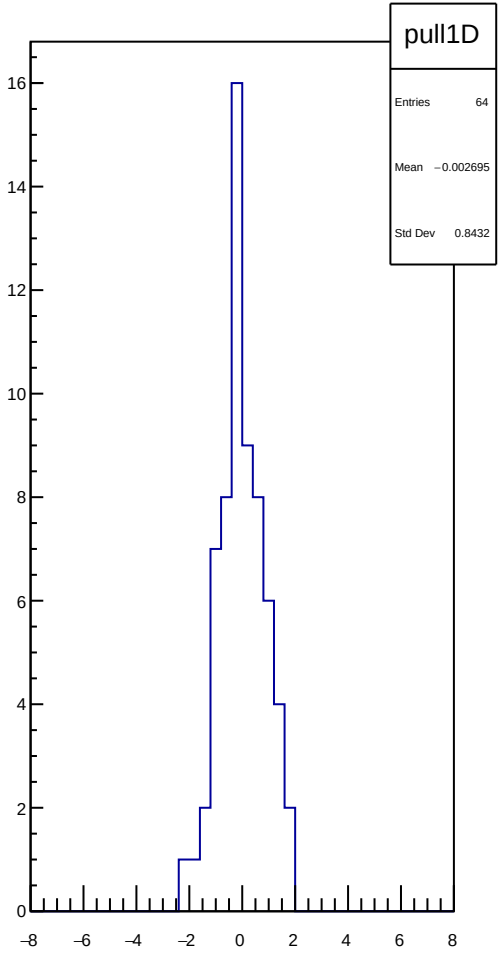

overload_cor_asym_us_avg_rms vs run
χ^2 / ndf 130.8 / 63
p0 776.4 ± 0.7012
830
820
810
800
790
780
770
760
750

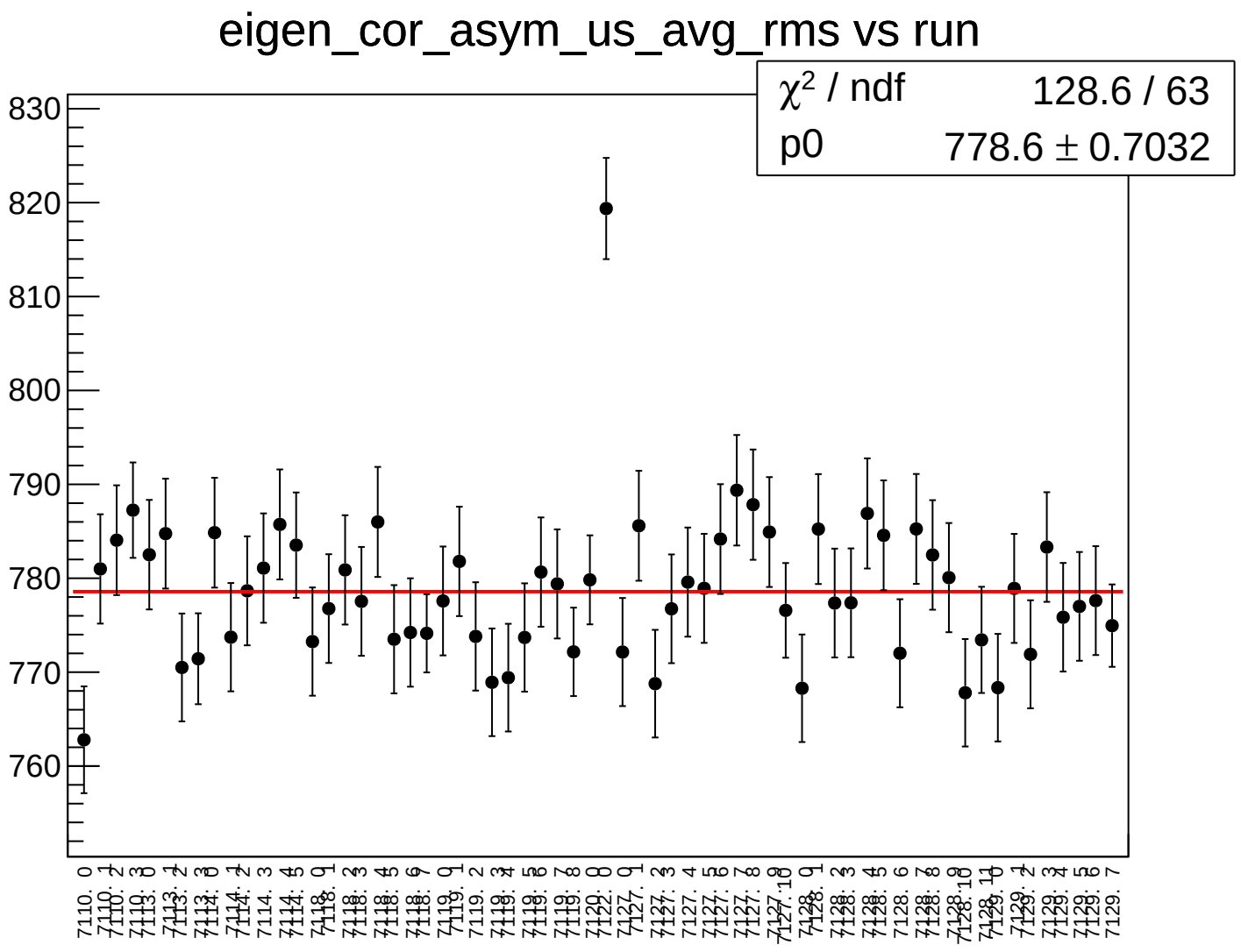

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 54.46 / 63
p0 −782.3 ± 1896
pull
Entries 64
Mean 99.48
Std Dev 0

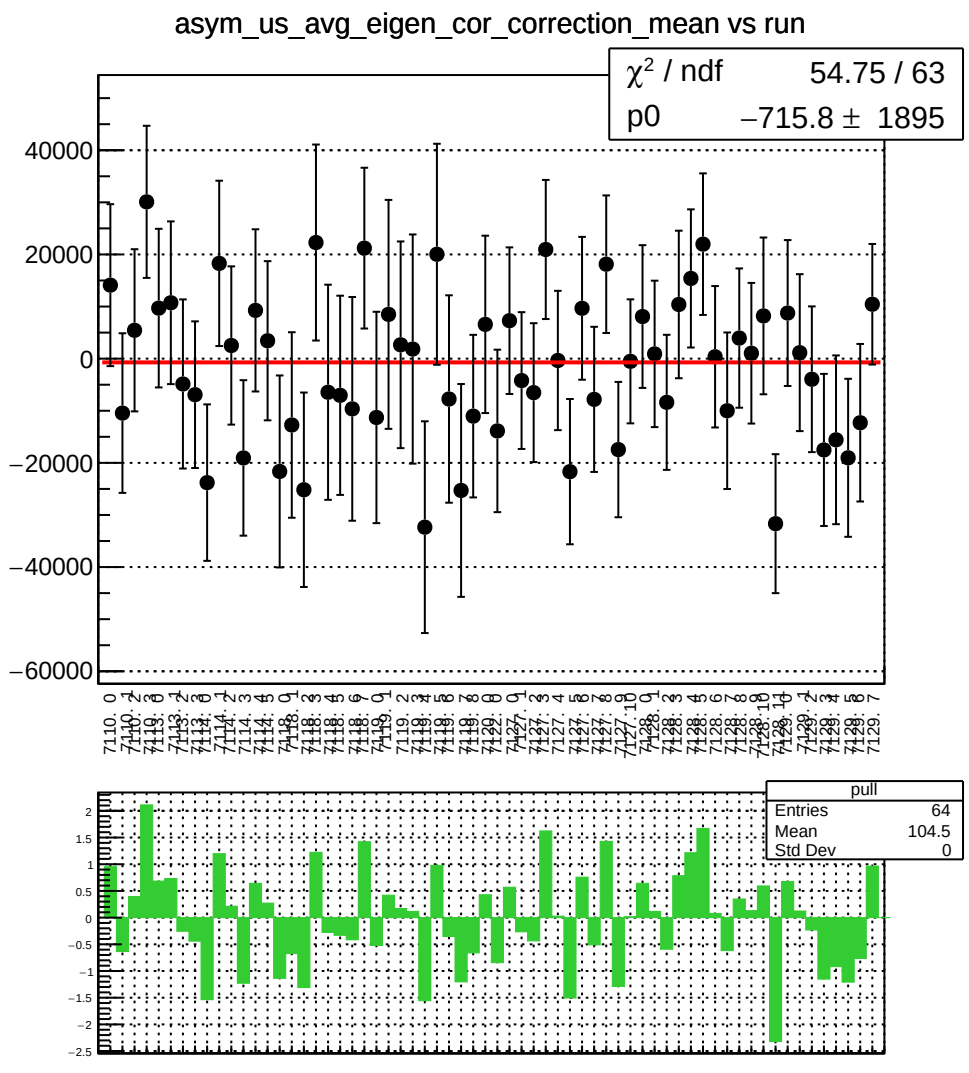

pull1D
Entries 64
Mean −0.02342
Std Dev 0.9222

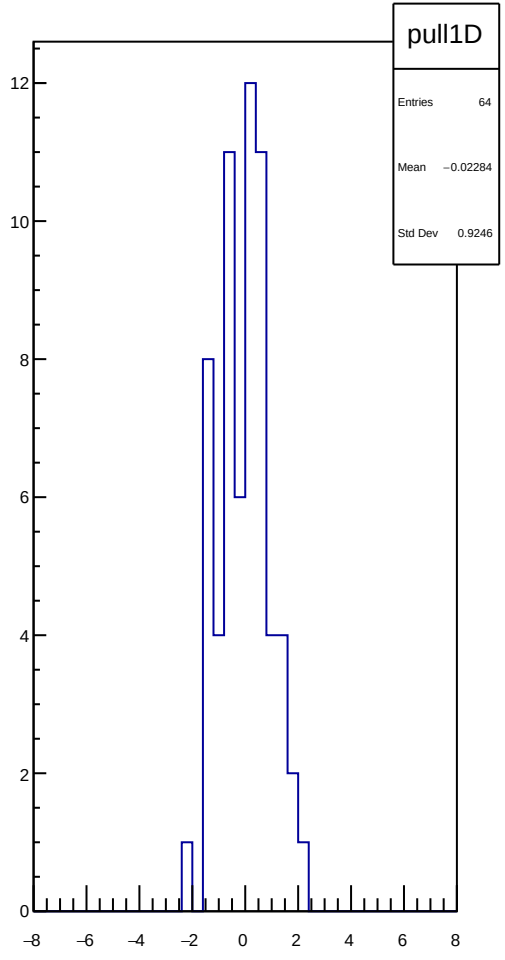

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 2.924e+04 / 63
p0 1467 ± 1.341
2000
1800
1600
1400
1200

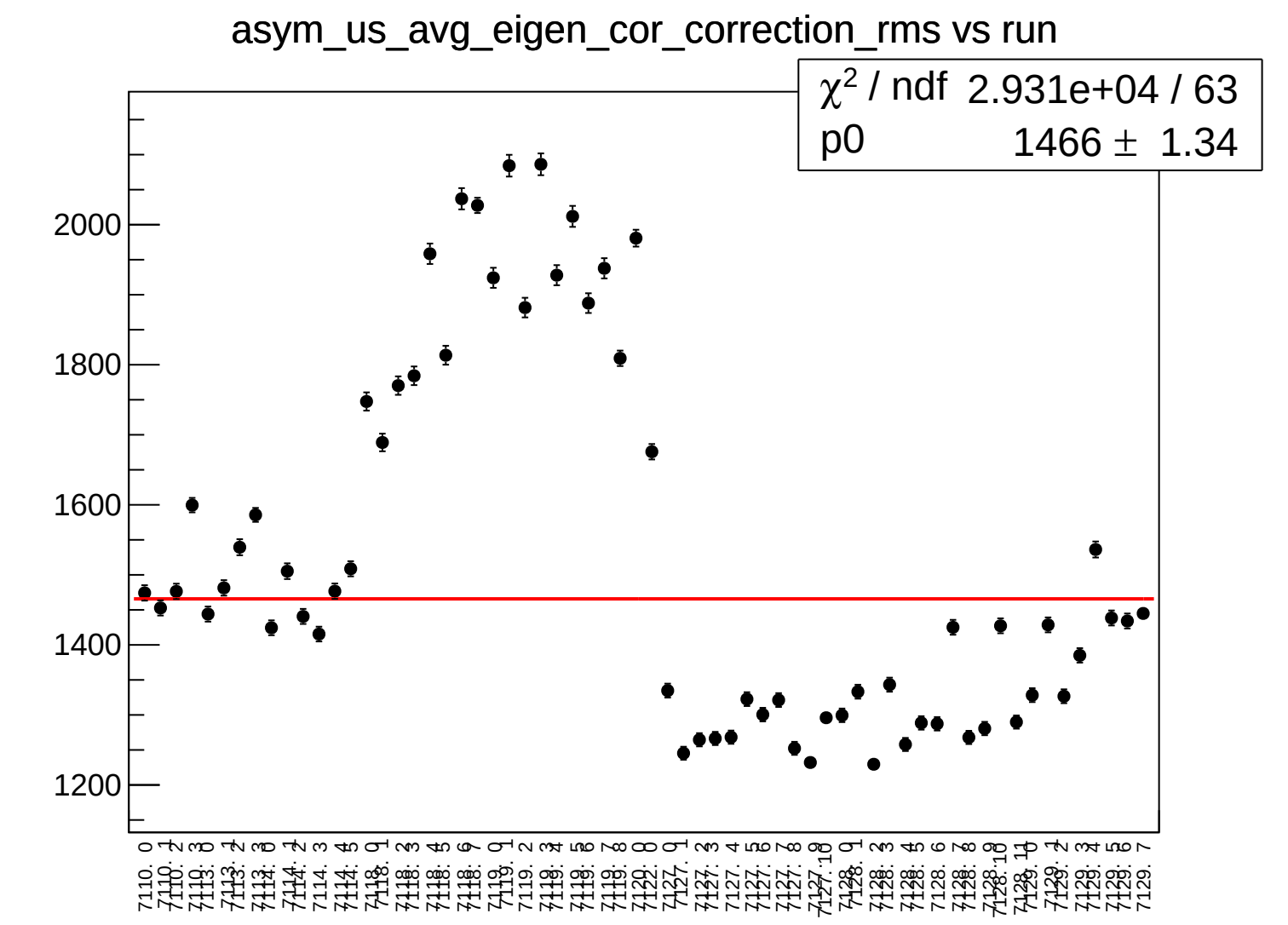

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 45.5 / 63
p0 2141 ± 994.4
pull
Entries 64
Mean −910.8
Std Dev 0

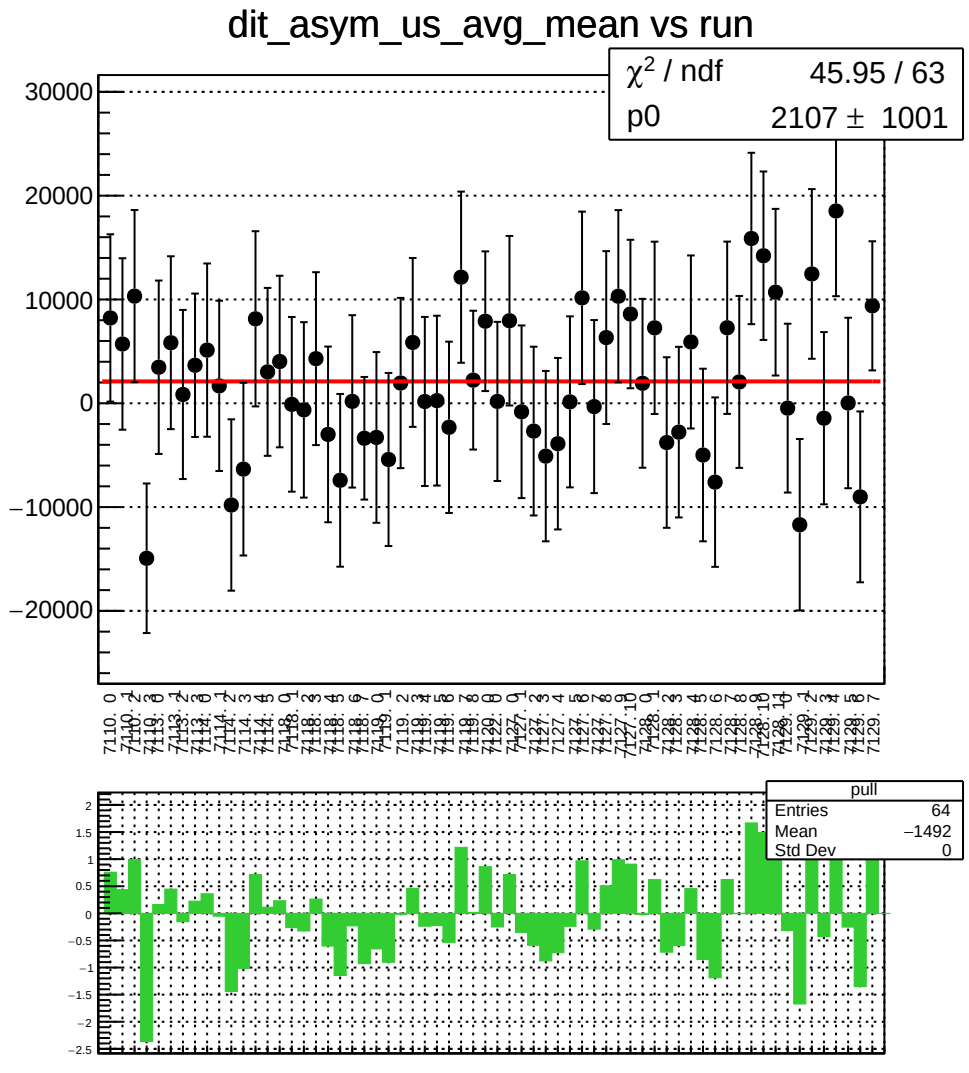

pull1D
Entries 64
Mean −0.002695
Std Dev 0.8432

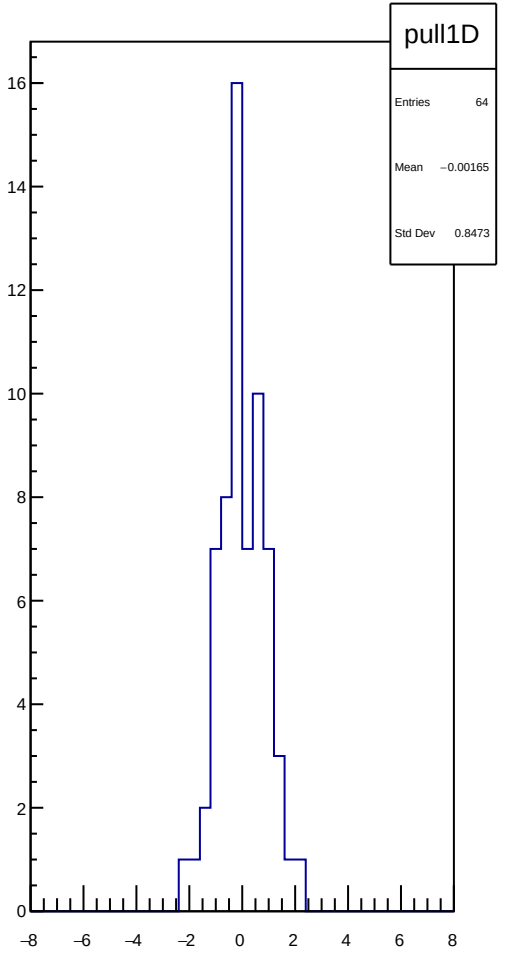

eigen_cor_asym_us_avg_rms vs run
χ^2 / ndf 128.6 / 63
p0 778.6 ± 0.7032
830
820
810
800
790
780
770
760

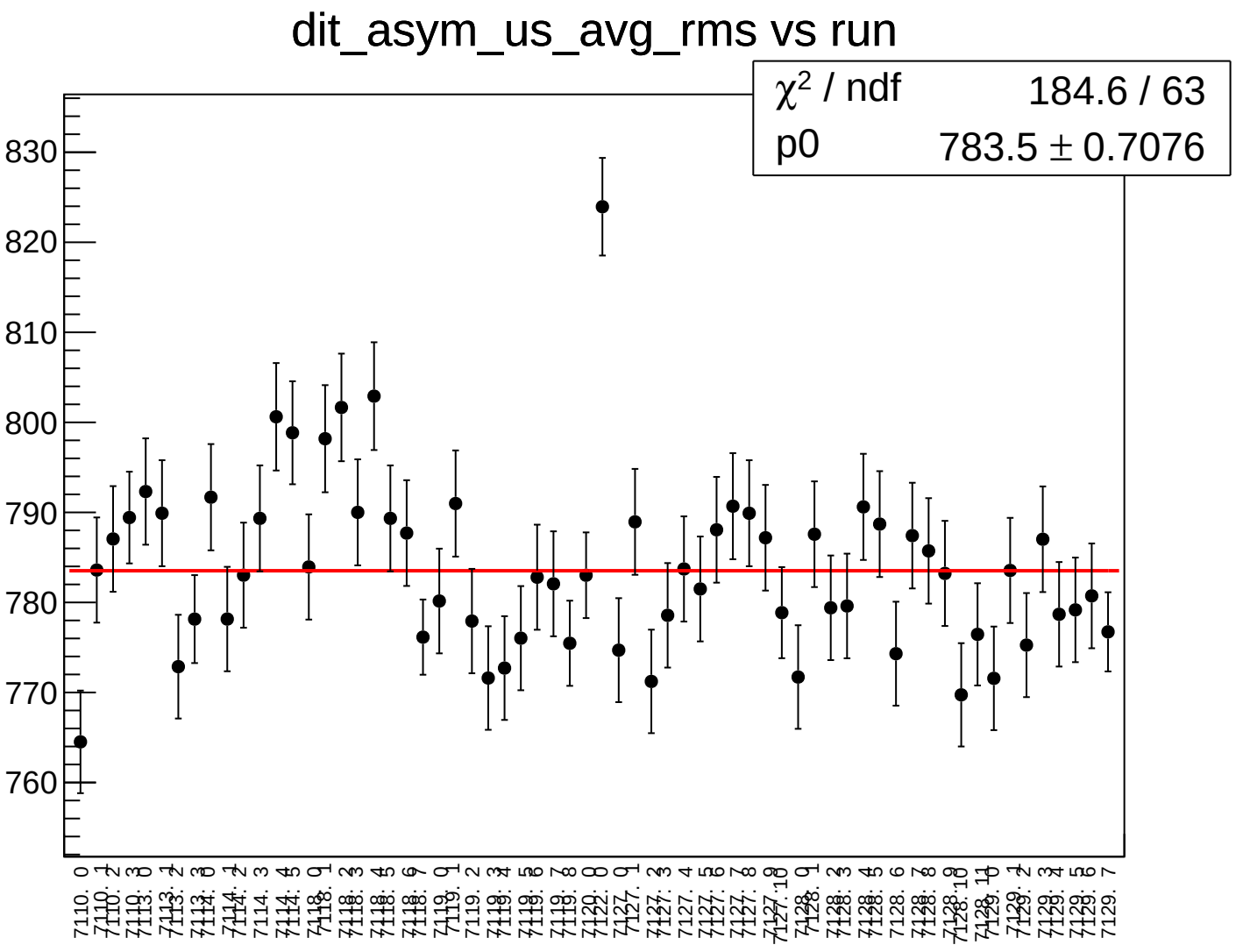

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.75 / 63
p0 −715.8 ± 1895
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 104.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

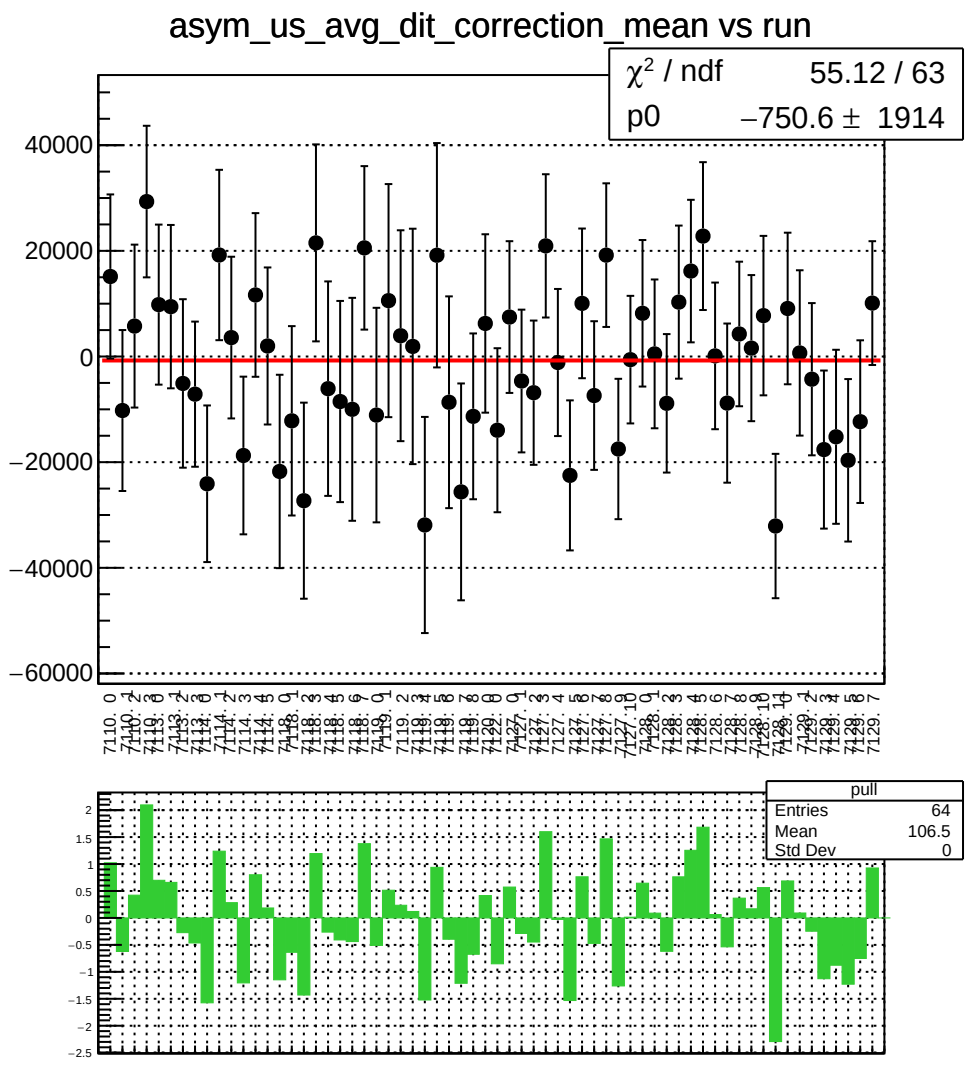

pull1D
Entries 64
Mean −0.02284
Std Dev 0.9246
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

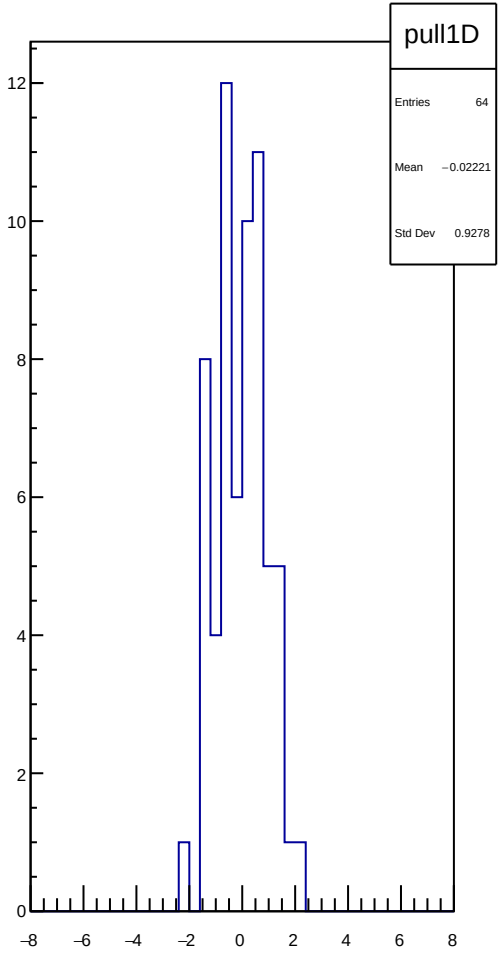

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.931e+04 / 63
p0 1466 ± 1.34
2000
1800
1600
1400
1200

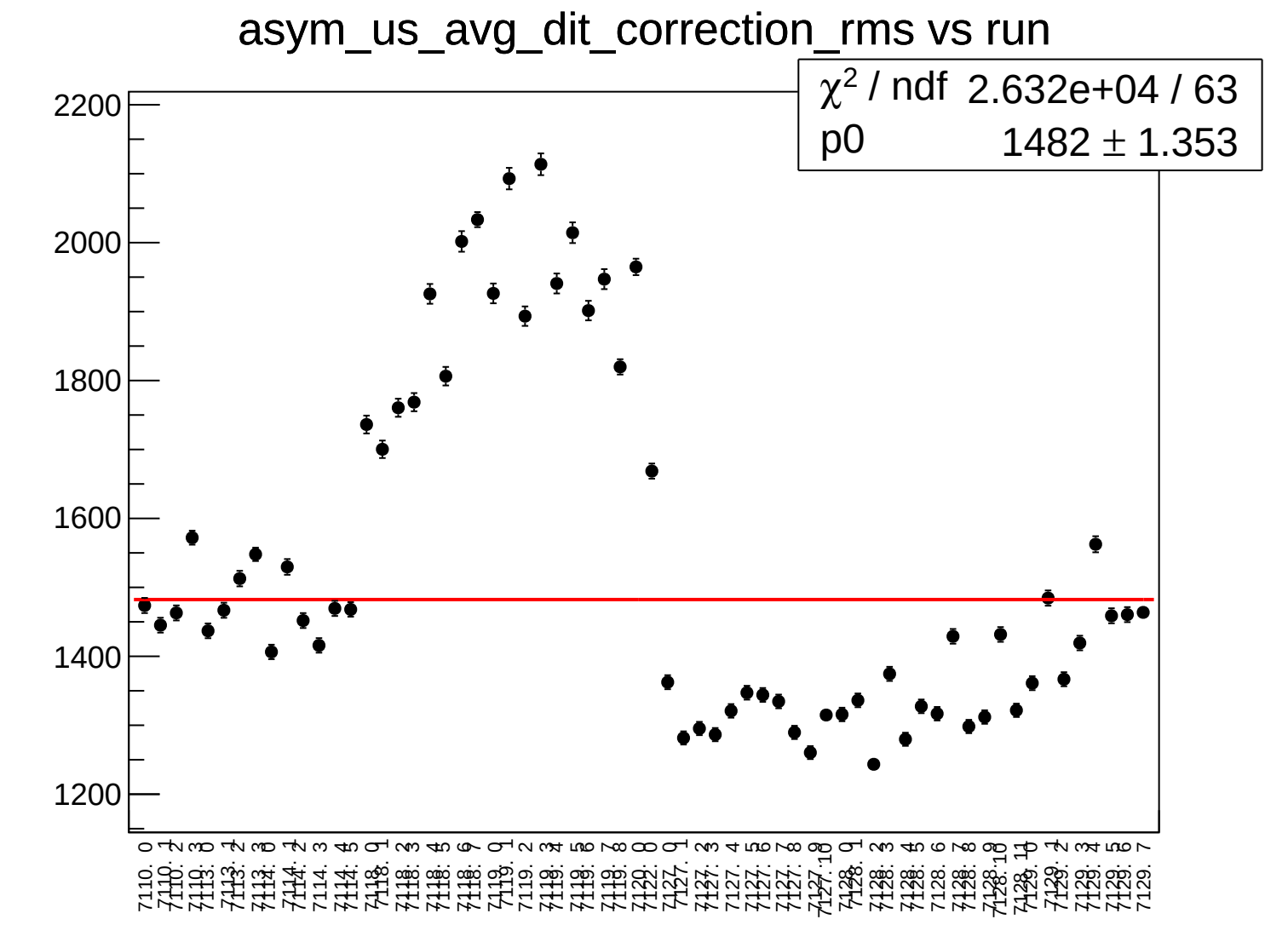

dit_asym_us_avg_mean vs run
χ² / ndf 45.95 / 63
p0 2107 ± 1001
30000
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −1492
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

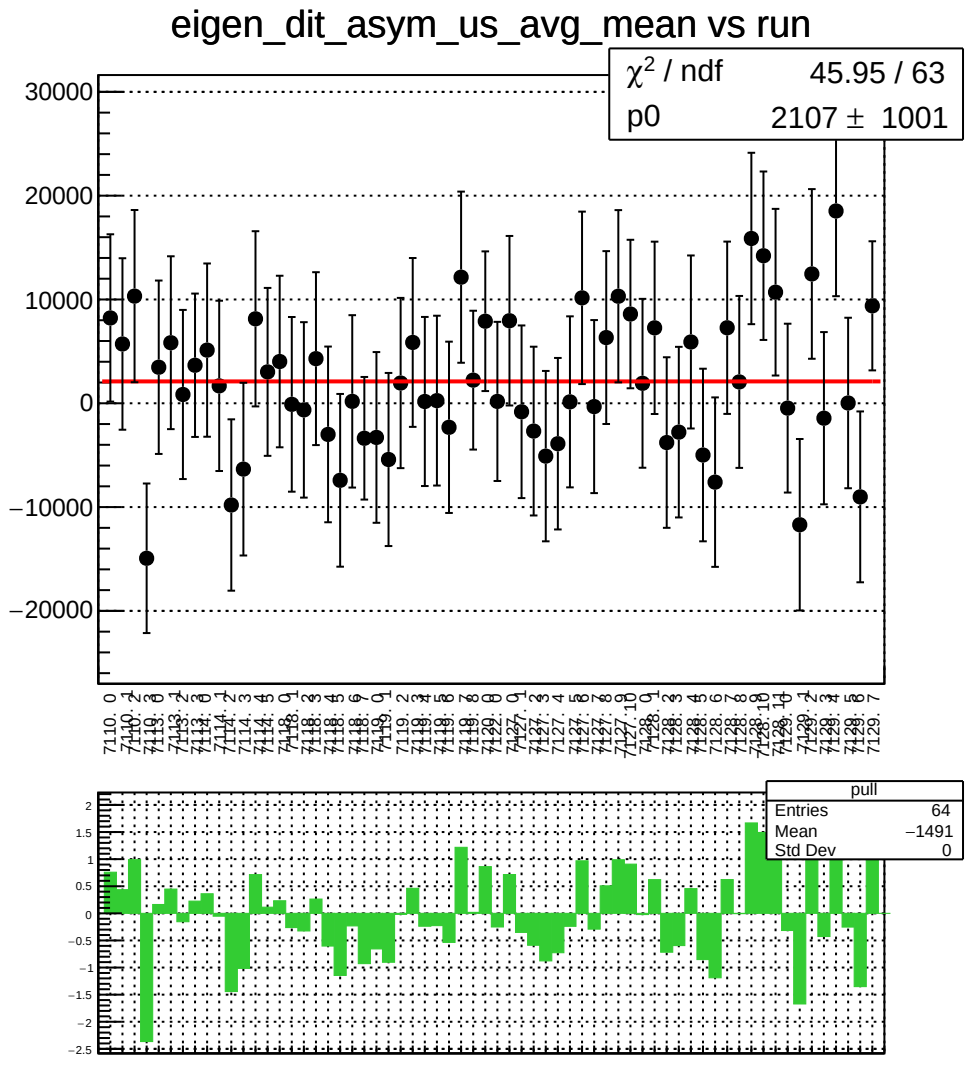

pull1D
Entries 64
Mean −0.00165
Std Dev 0.8473
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

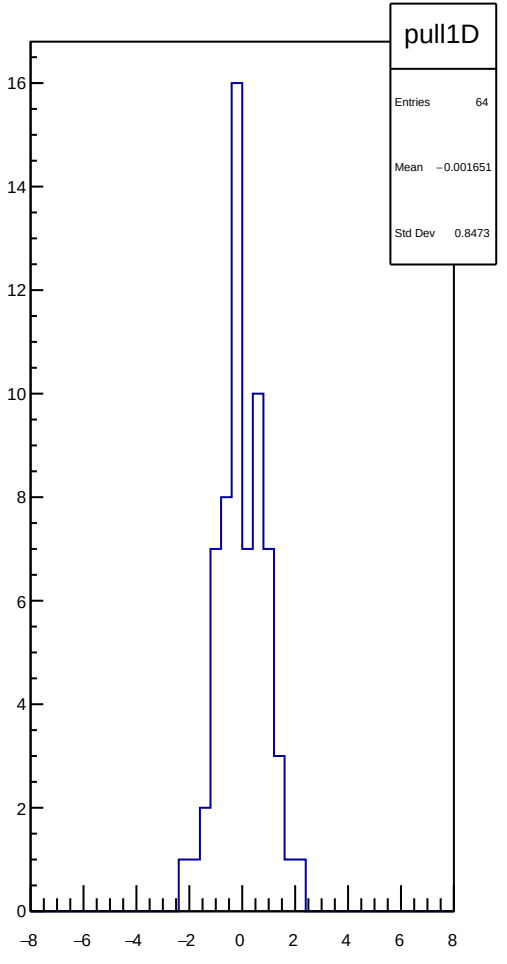

dit_asym_us_avg_rms vs run
χ² / ndf 184.6 / 63
p0 783.5 ± 0.7076
830
820
810
800
790
780
770
760

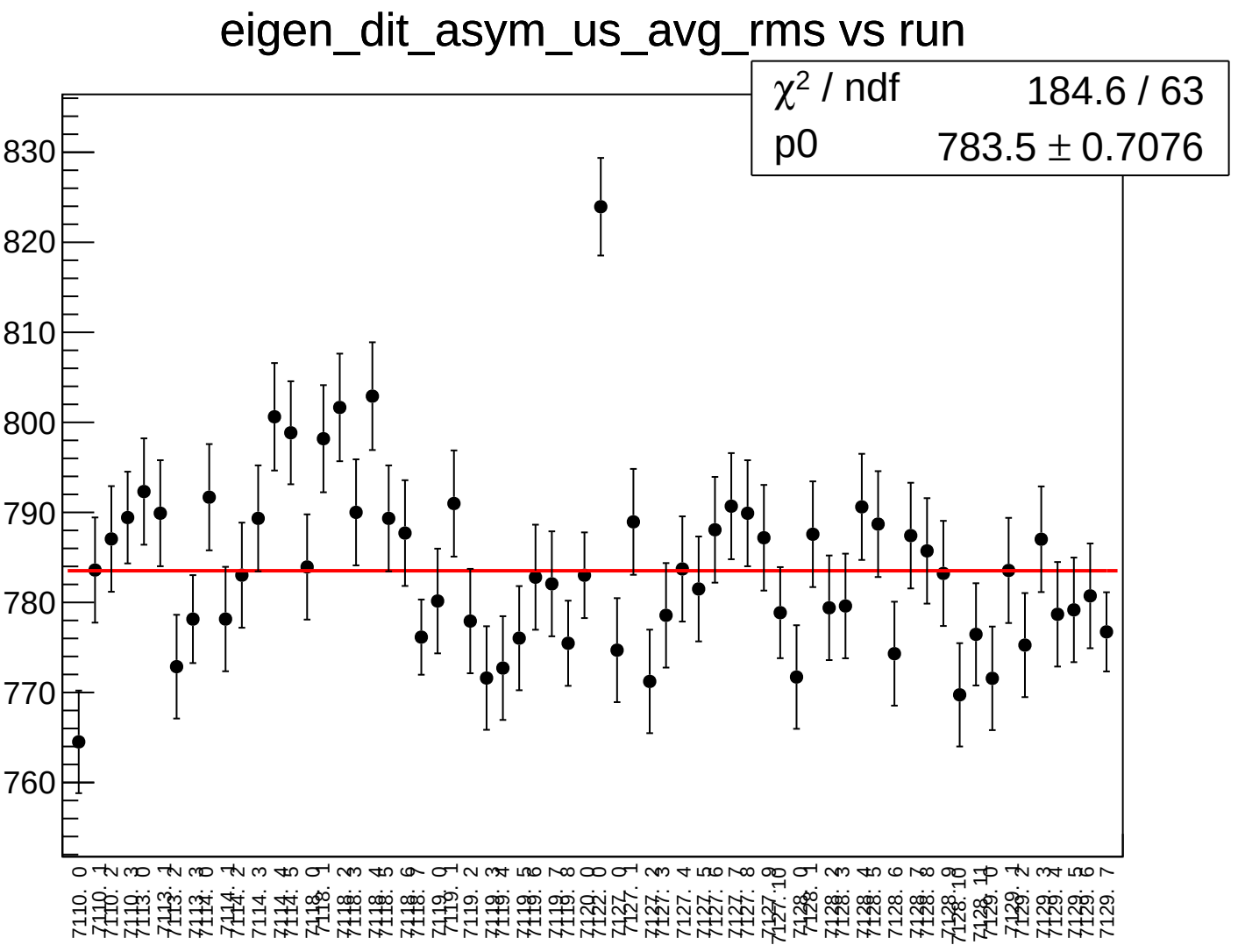

asym_us_avg_dit_correction_mean vs run
χ² / ndf 55.12 / 63
p0 −750.6 ± 1914
pull
Entries 64
Mean 106.5
Std Dev 0

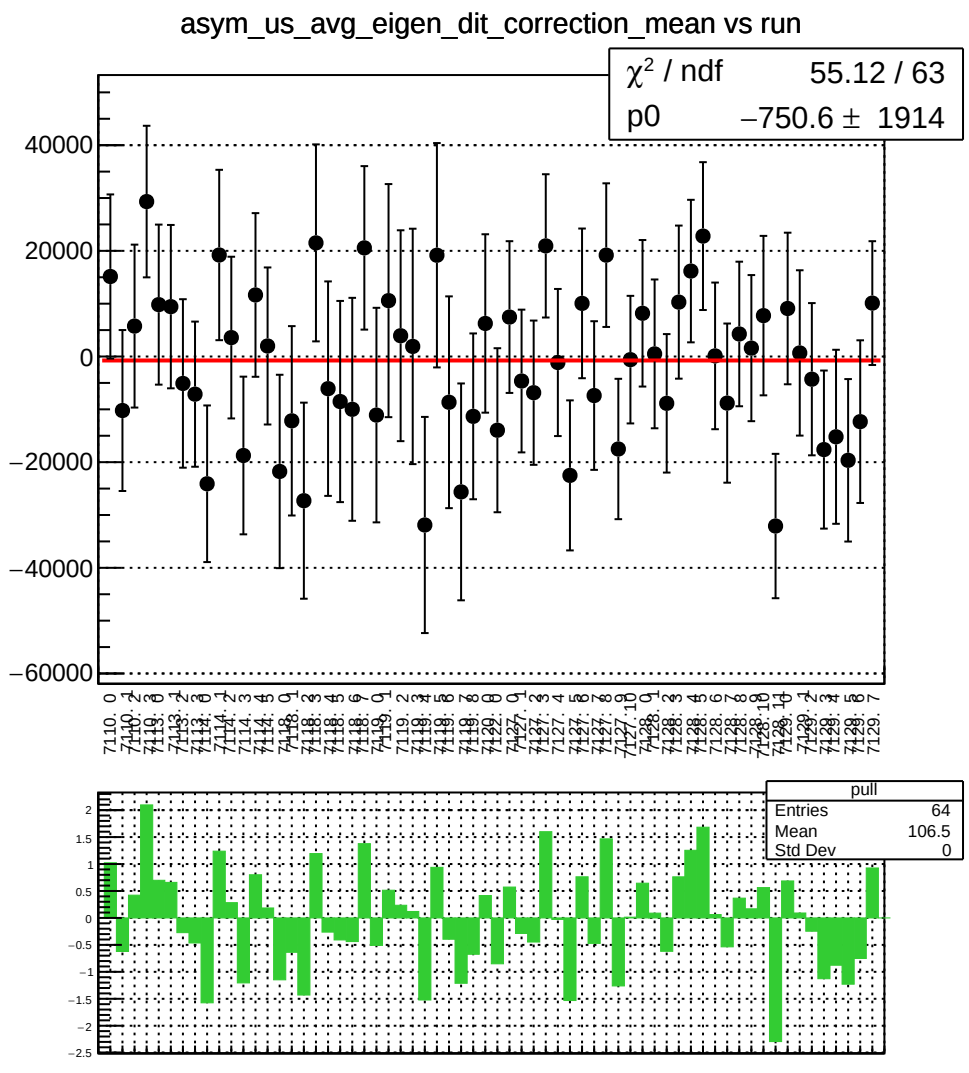

pull1D
Entries 64
Mean −0.02221
Std Dev 0.9278

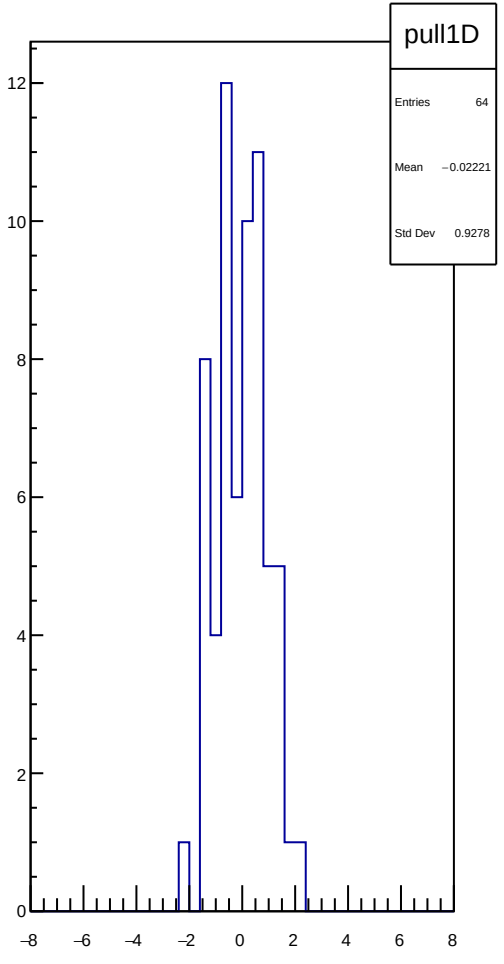

asym_us_avg_dit_correction_rms vs run
χ² / ndf 2.632e+04 / 63
p0 1482 ± 1.353
2200
2000
1800
1600
1400
1200

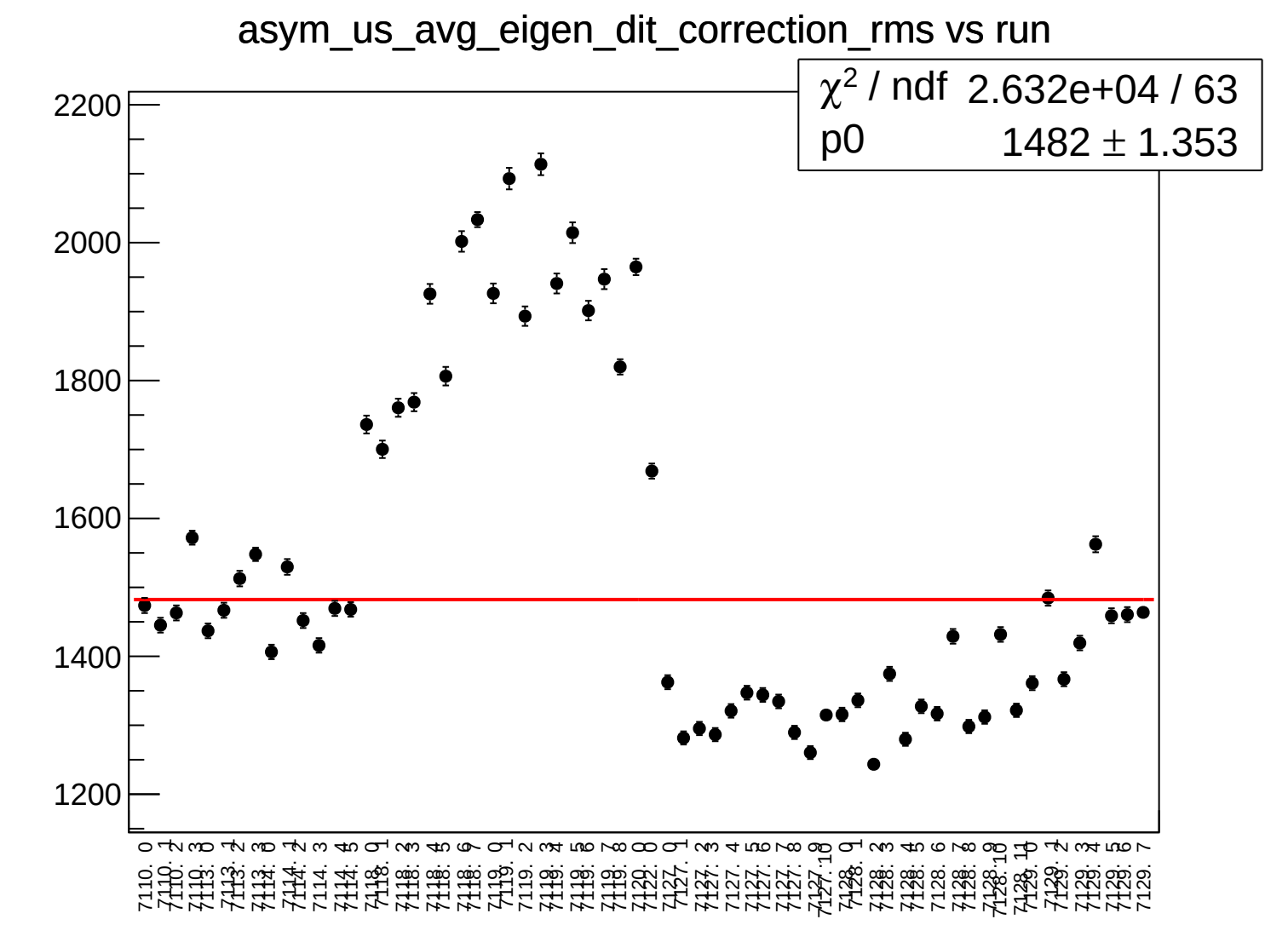

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 45.95 / 63
p0 2107 ± 1001
pull
Entries 64
Mean −1491
Std Dev 0

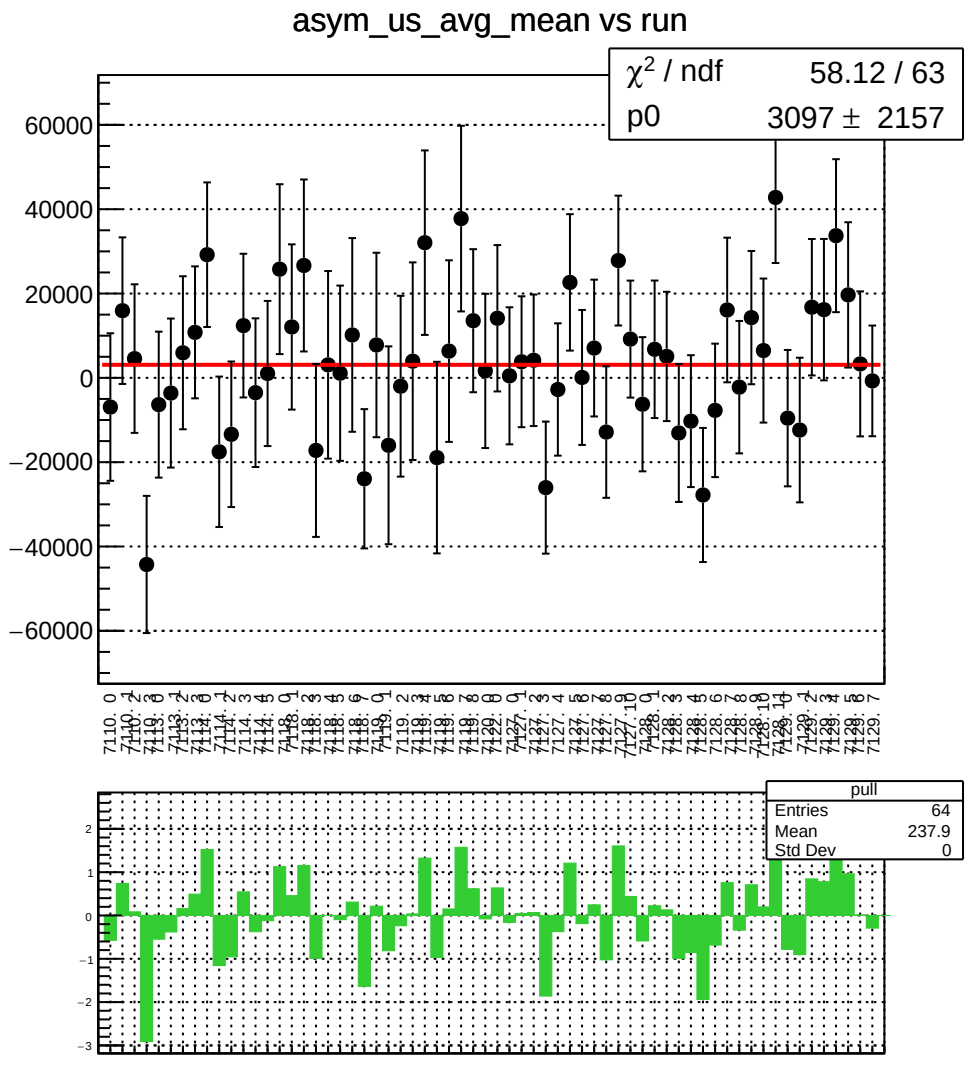

pull1D
Entries 64
Mean −0.001651
Std Dev 0.8473

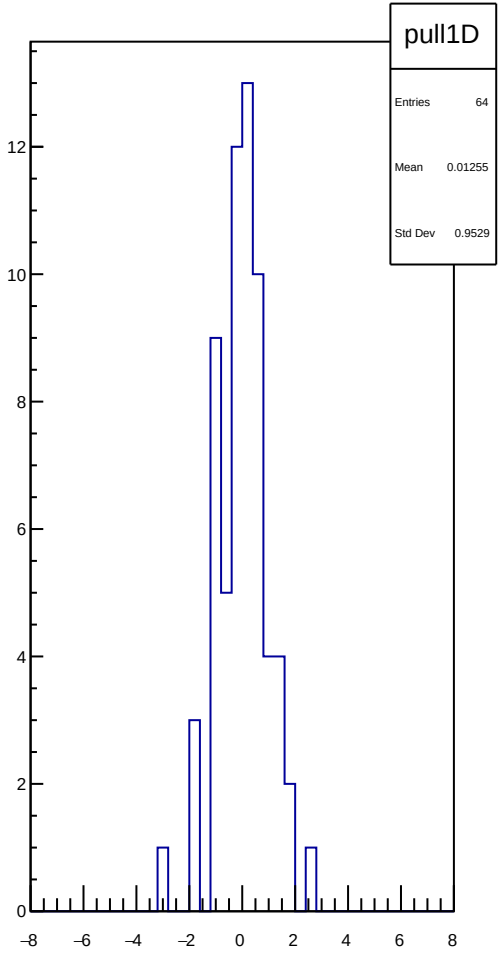

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 184.6 / 63
p0 783.5 ± 0.7076
830
820
810
800
790
780
770
760

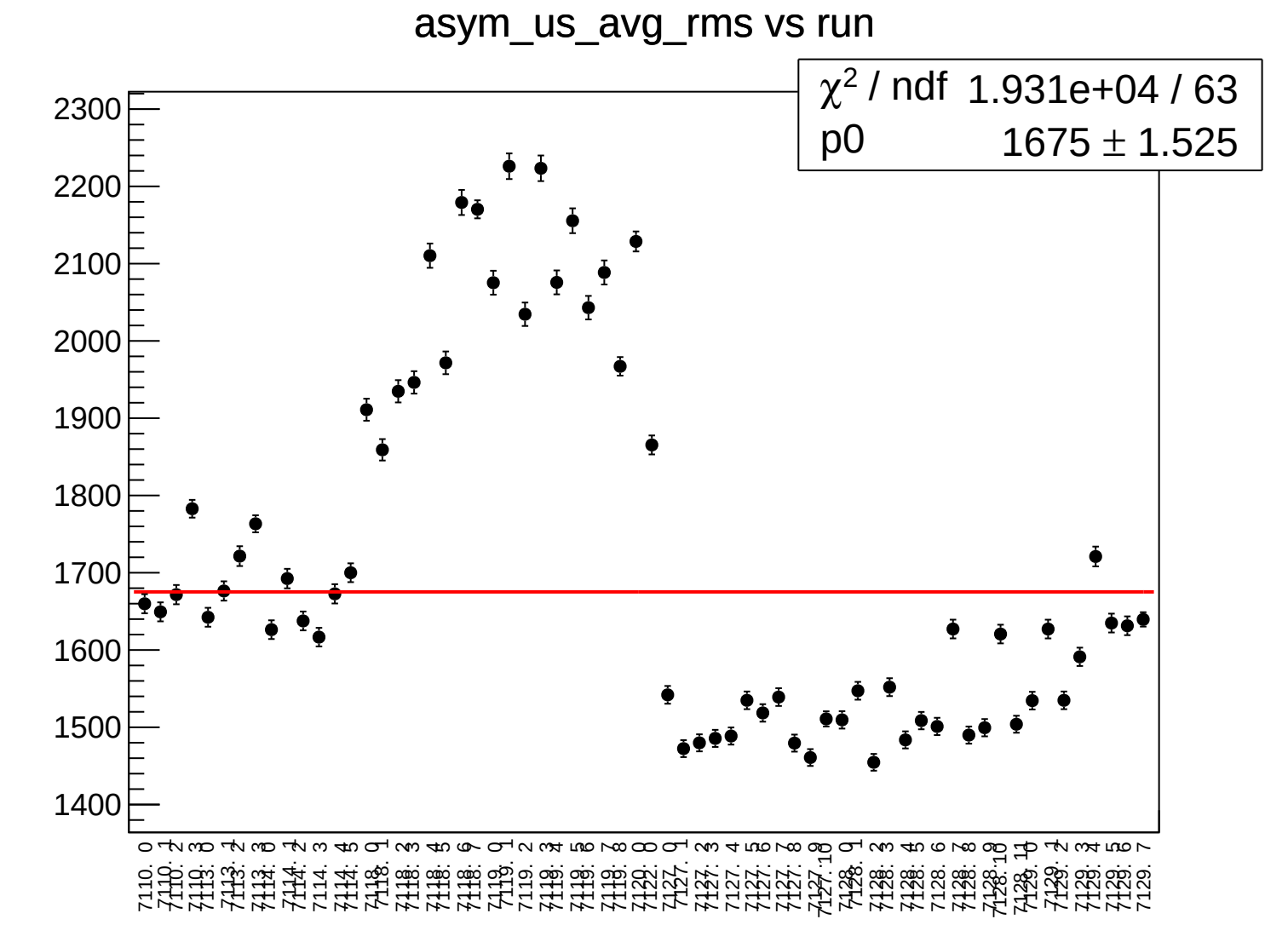

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 55.12 / 63
p0 −750.6 ± 1914
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 106.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

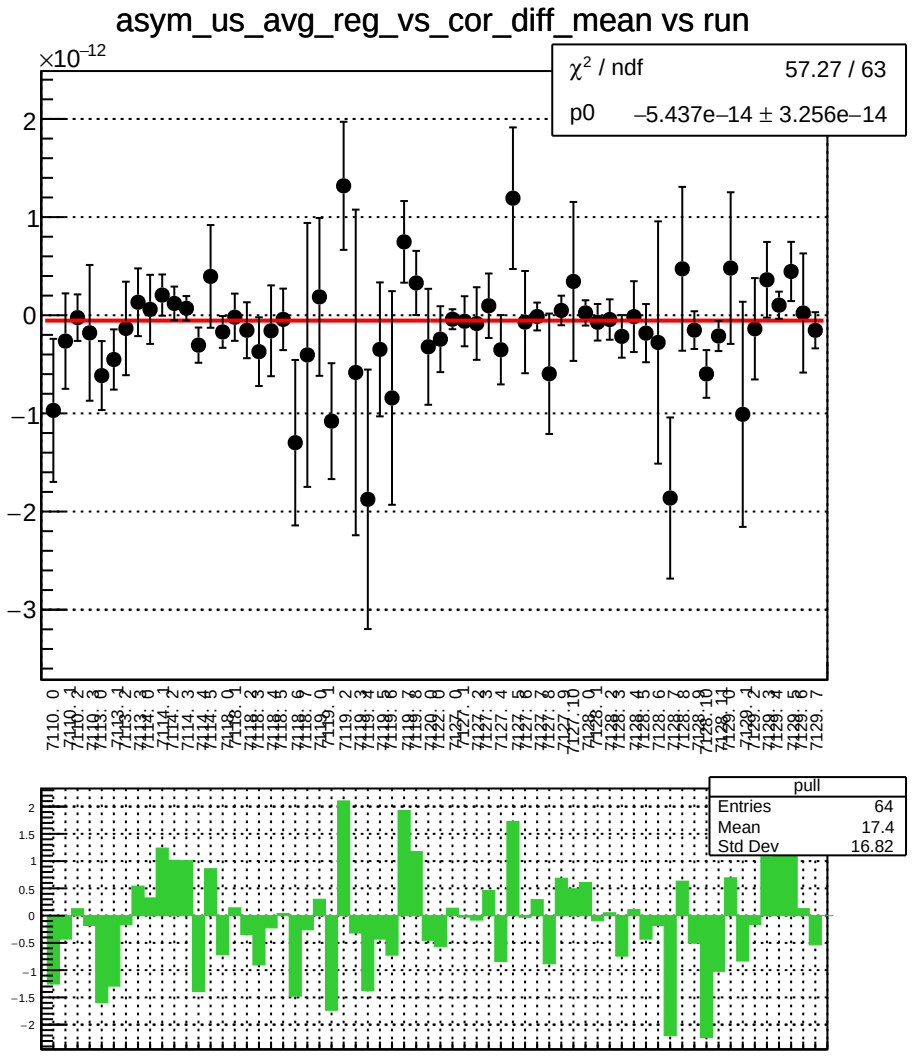

pull1D
Entries 64
Mean −0.02221
Std Dev 0.9278
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

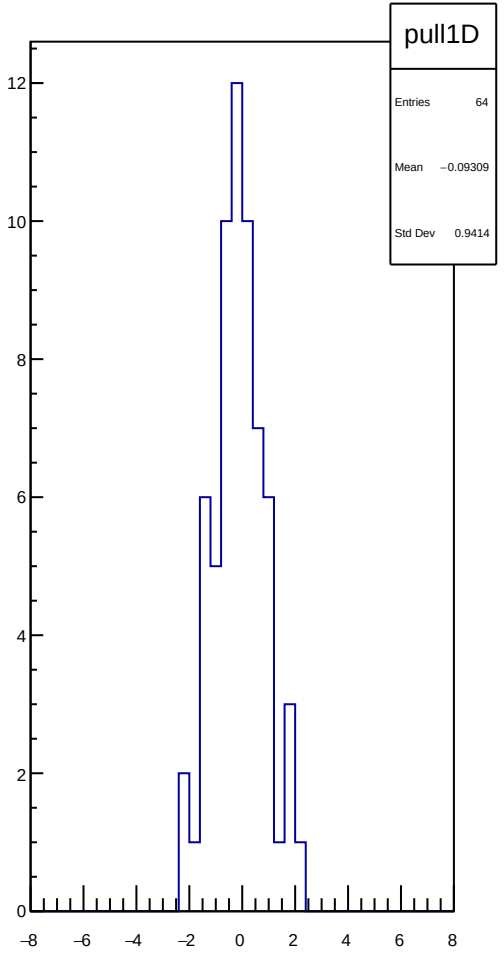

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.632e+04 / 63
p0 1482 ± 1.353
2200
2000
1800
1600
1400
1200

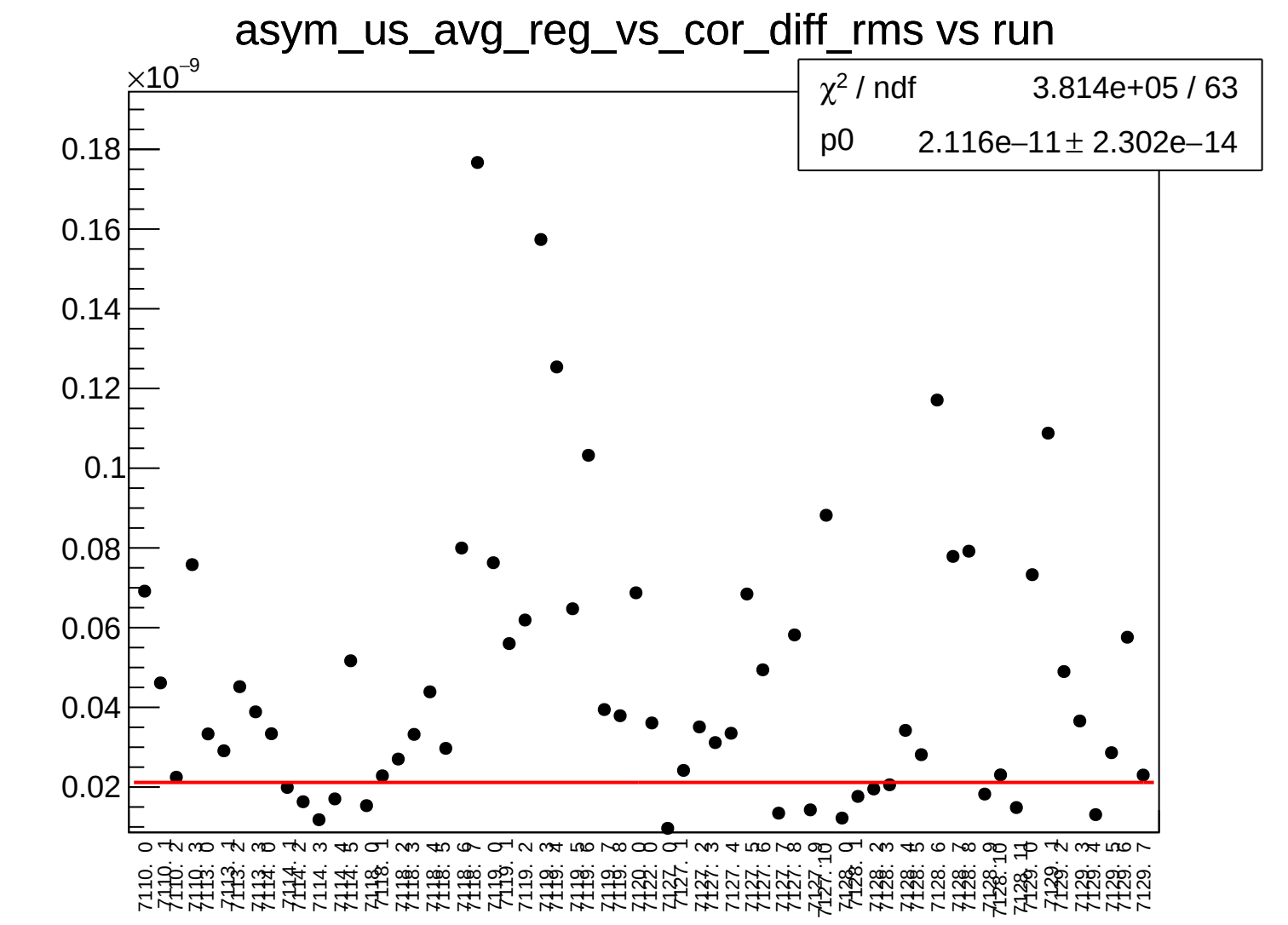

asym_us_avg_mean vs run
χ² / ndf 58.12 / 63
p0 3097 ± 2157
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 237.9
Std Dev 0
2
1
0
−1
−2
−3

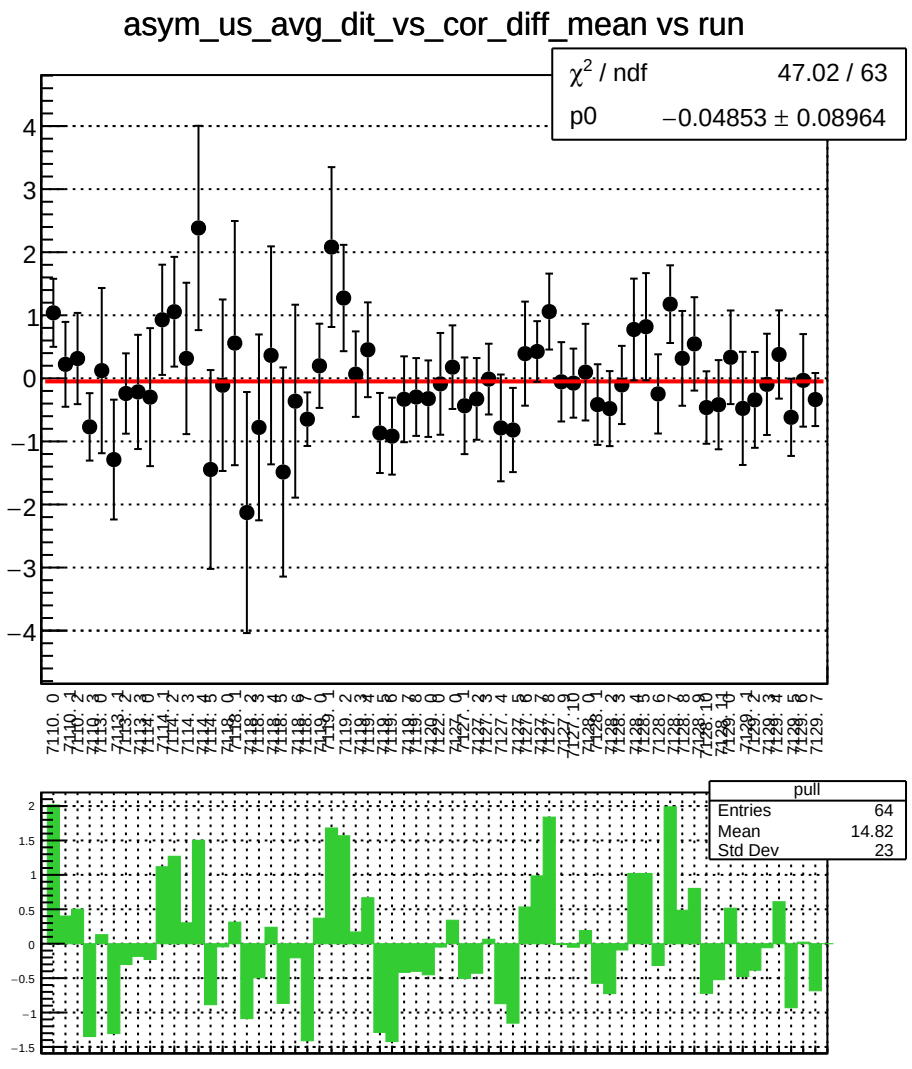

pull1D
Entries 64
Mean 0.01255
Std Dev 0.9529
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

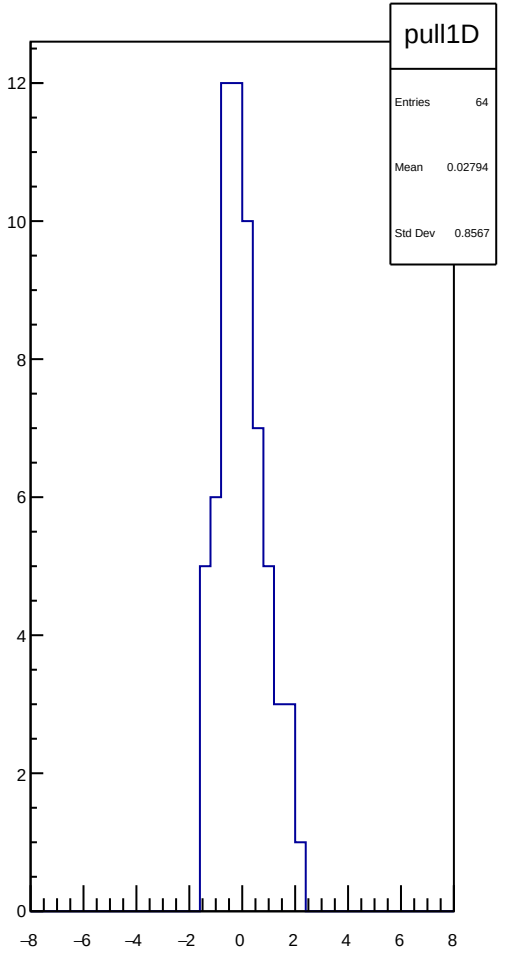

asym_us_avg_rms vs run
χ² / ndf 1.931e+04 / 63
p0 1675 ± 1.525
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

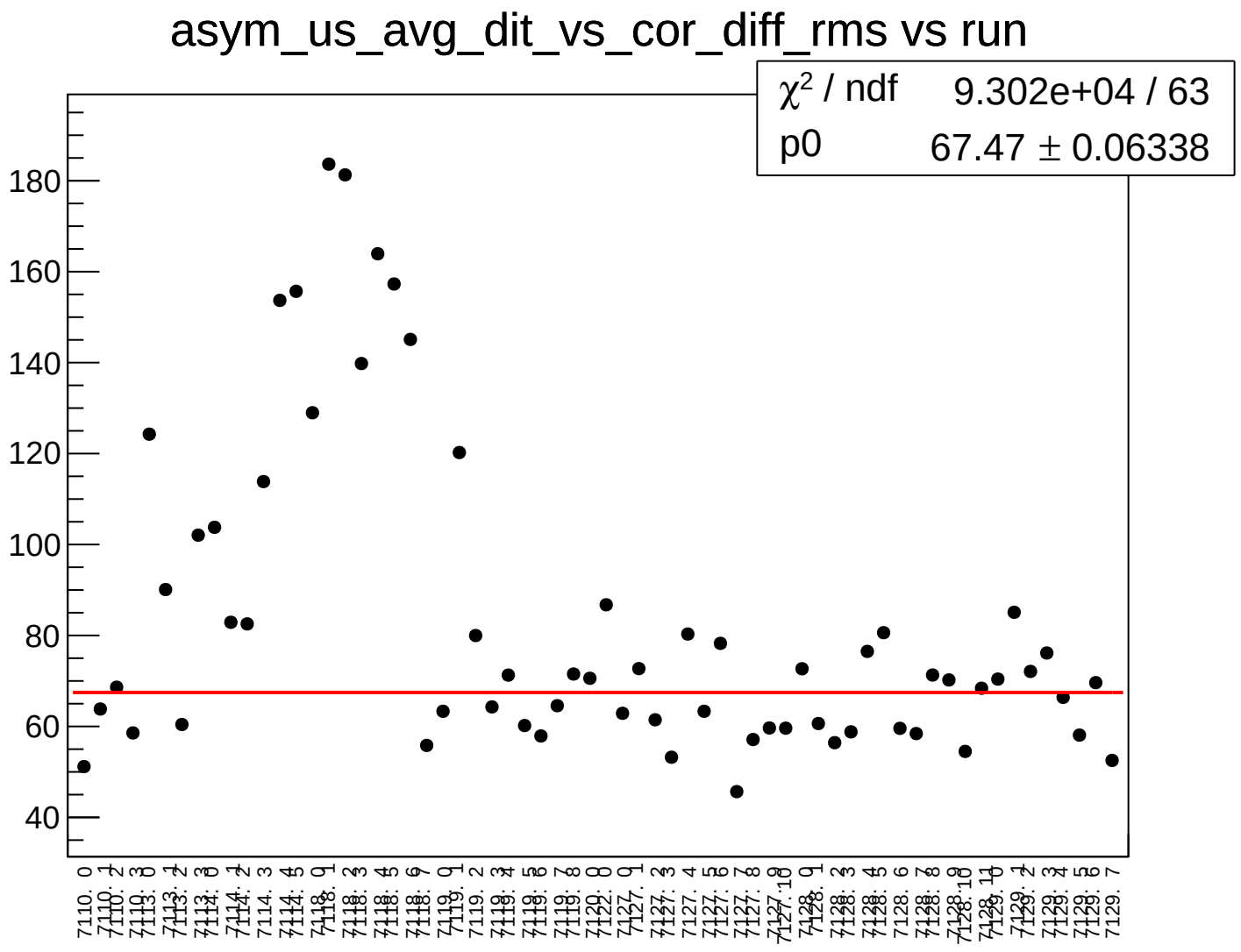

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.27 / 63
p0 −5.437e−14 ± 3.256e−14
pull
Entries 64
Mean 17.4
Std Dev 16.82

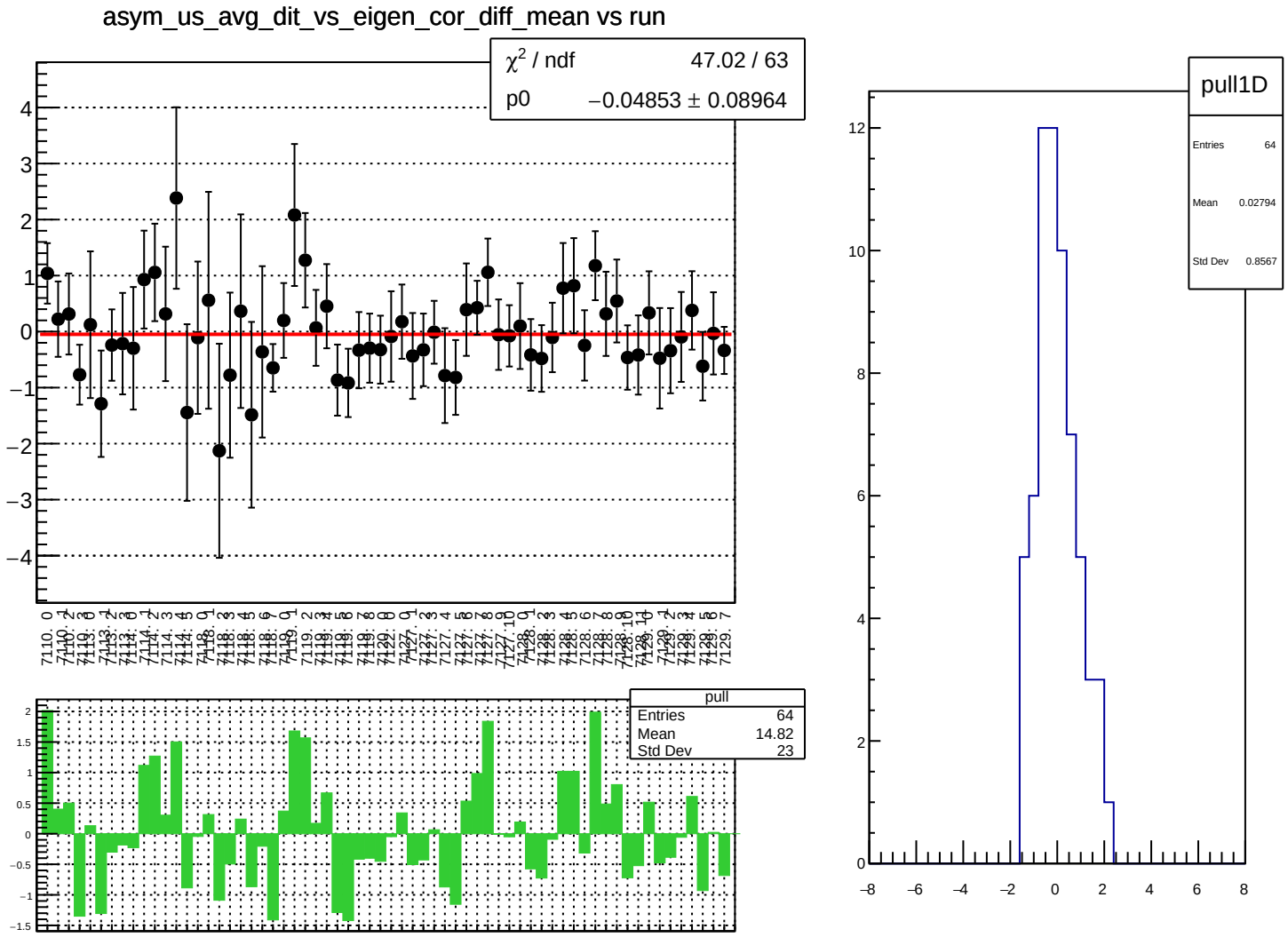

pull1D
Entries 64
Mean −0.09309
Std Dev 0.9414

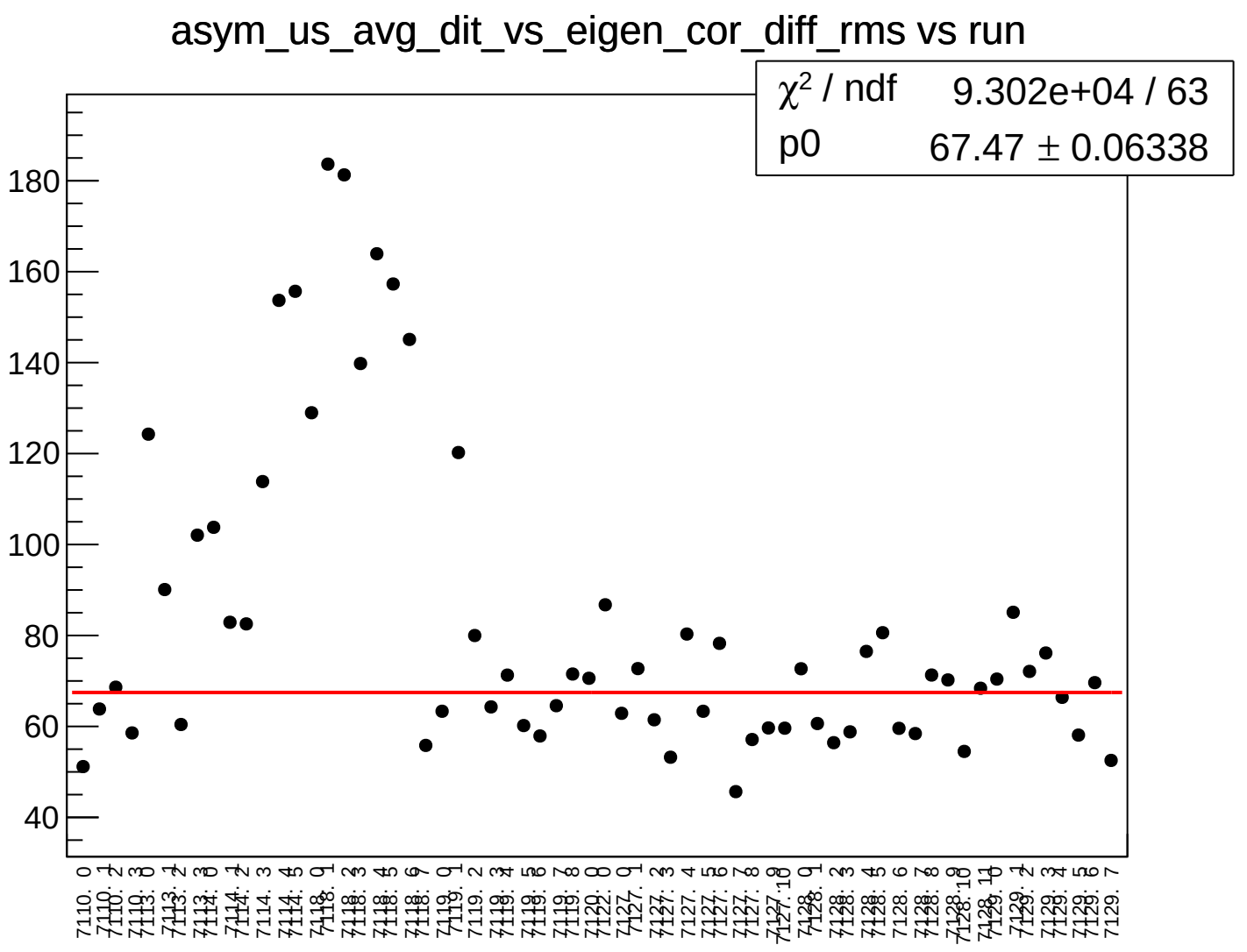

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.814e+05 / 63
p0 2.116e−11 ± 2.302e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

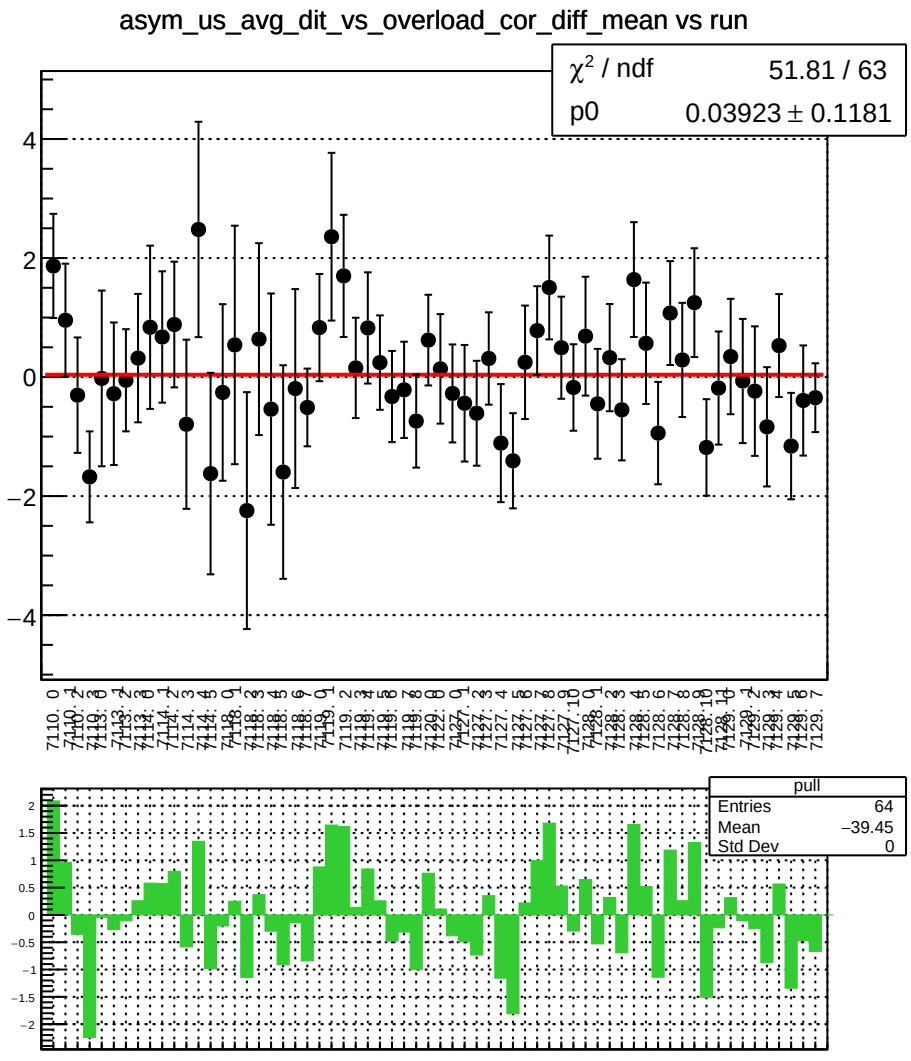

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.02 / 63
p0 −0.04853 ± 0.08964
pull
Entries 64
Mean 14.82
Std Dev 23

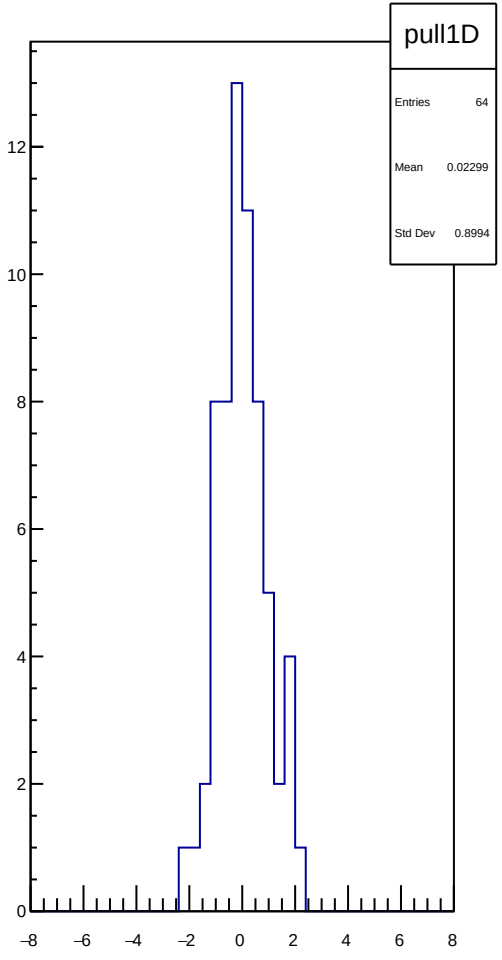

pull1D
Entries 64
Mean 0.02794
Std Dev 0.8567

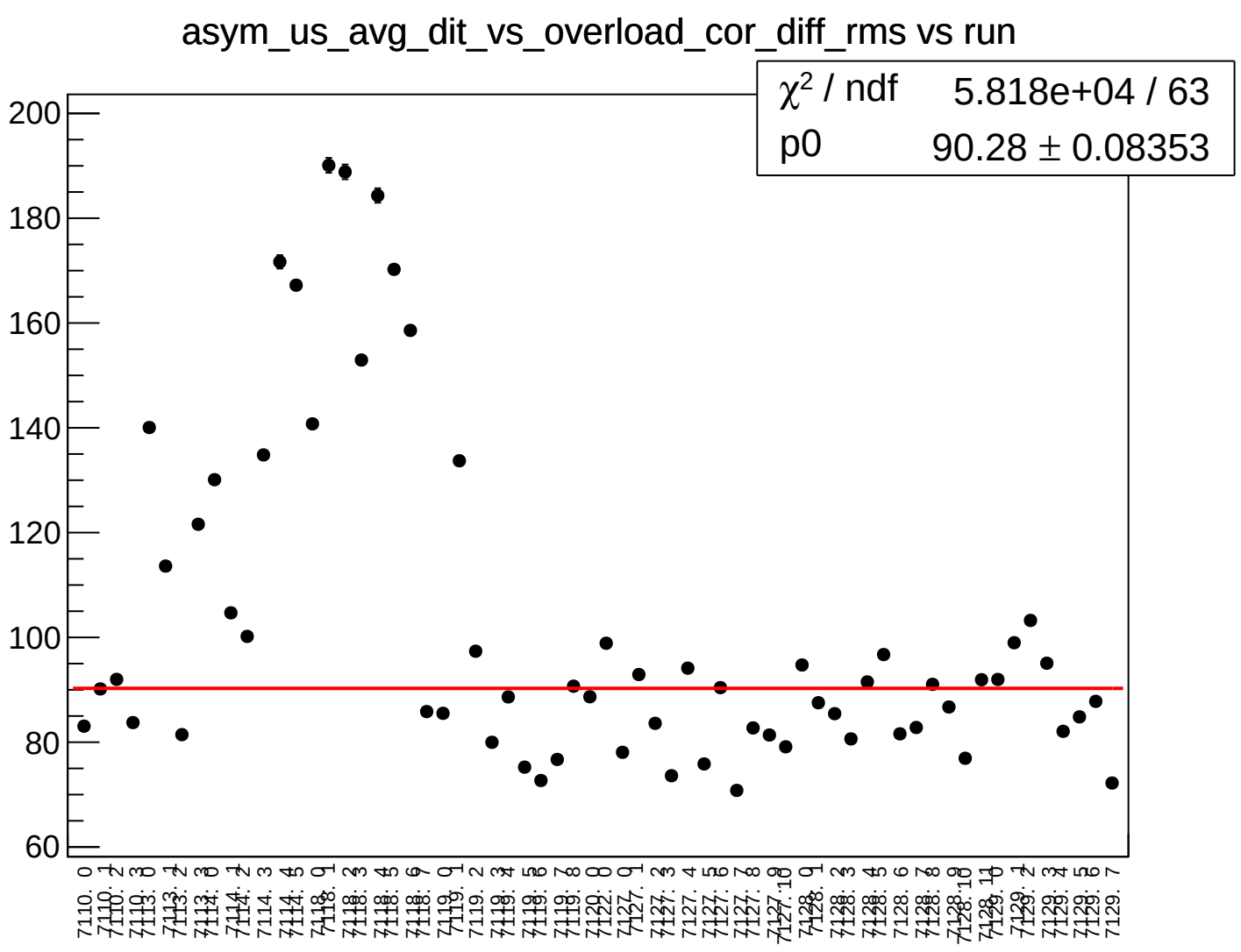

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.302e+04 / 63
p0 67.47 ± 0.06338
180
160
140
120
100
80
60
40

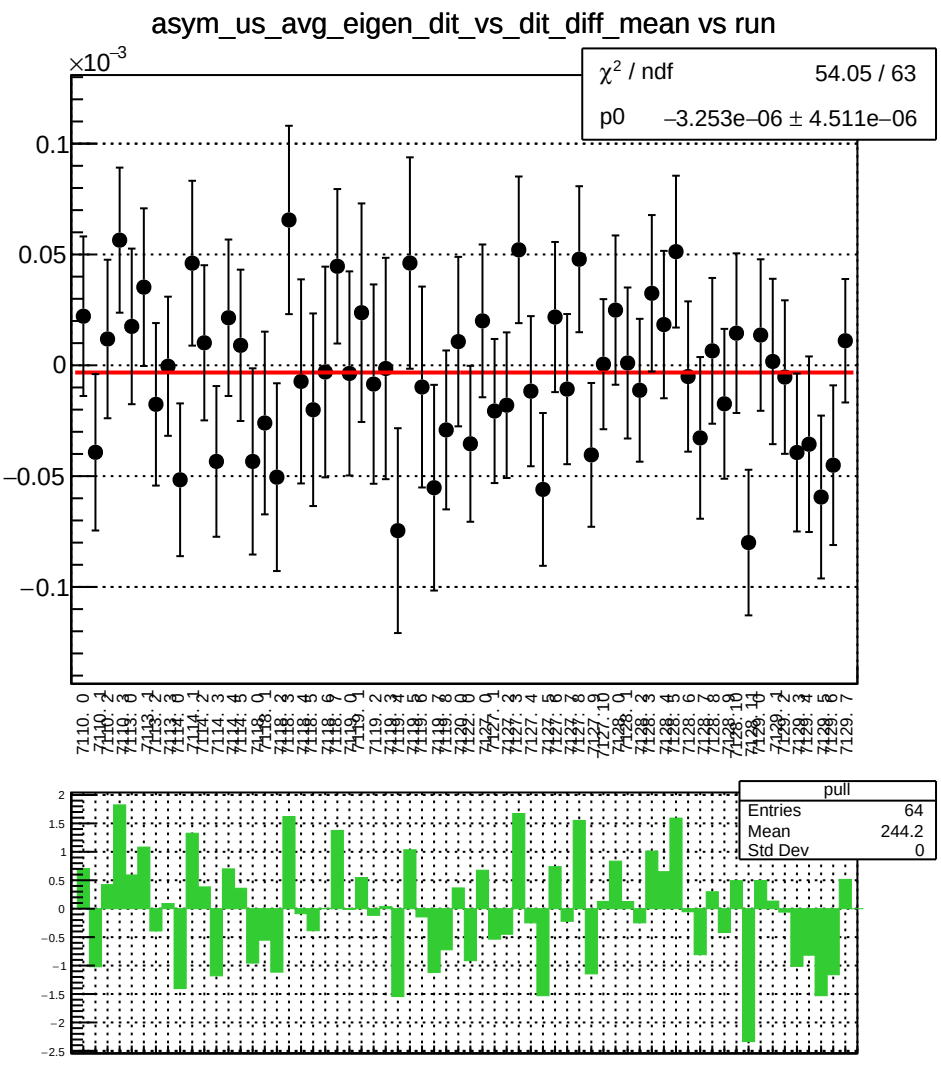

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.02 / 63
p0 −0.04853 ± 0.08964
pull
Entries 64
Mean 14.82
Std Dev 23
pull1D
Entries 64
Mean 0.02794
Std Dev 0.8567

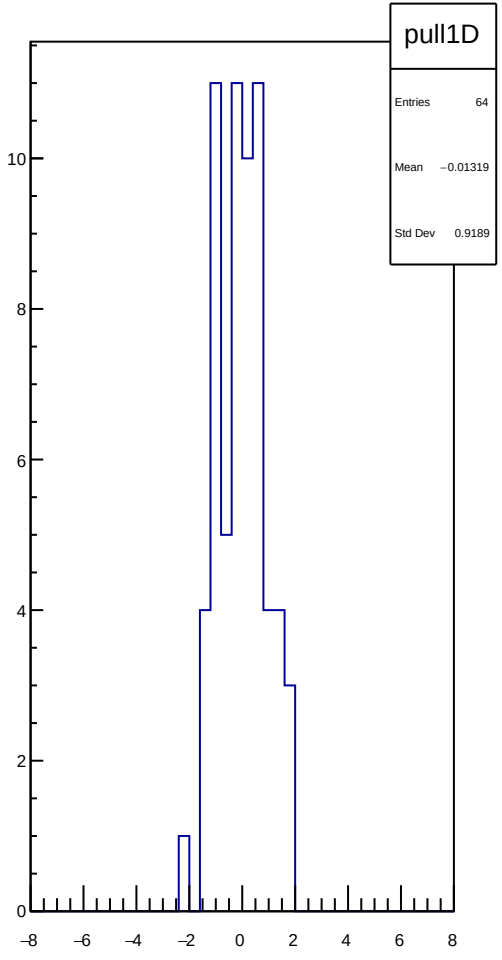

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.302e+04 / 63
p0 67.47 ± 0.06338
180
160
140
120
100
80
60
40

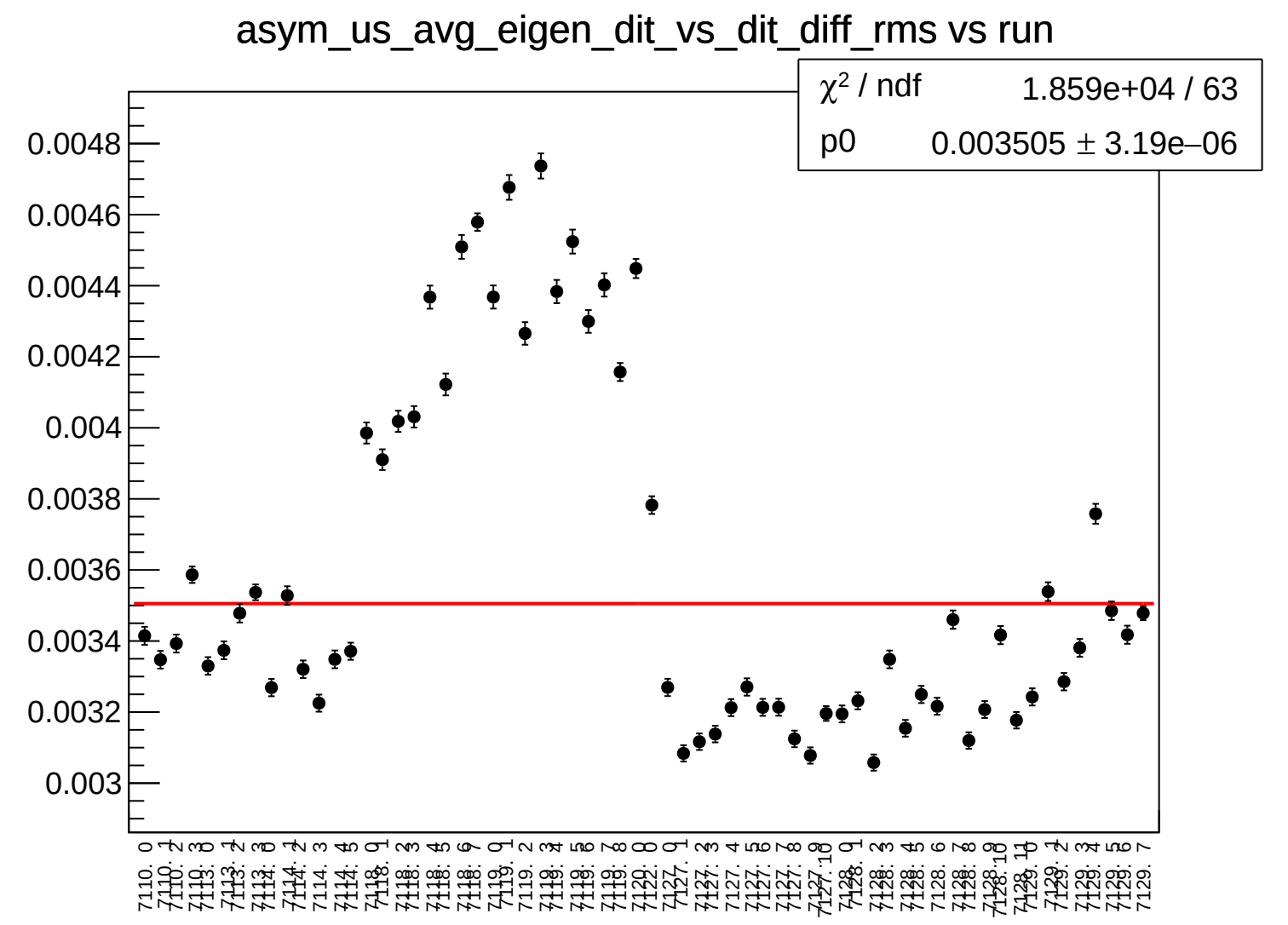

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 51.81 / 63
p0 0.03923 ± 0.1181
pull
Entries 64
Mean −39.45
Std Dev 0

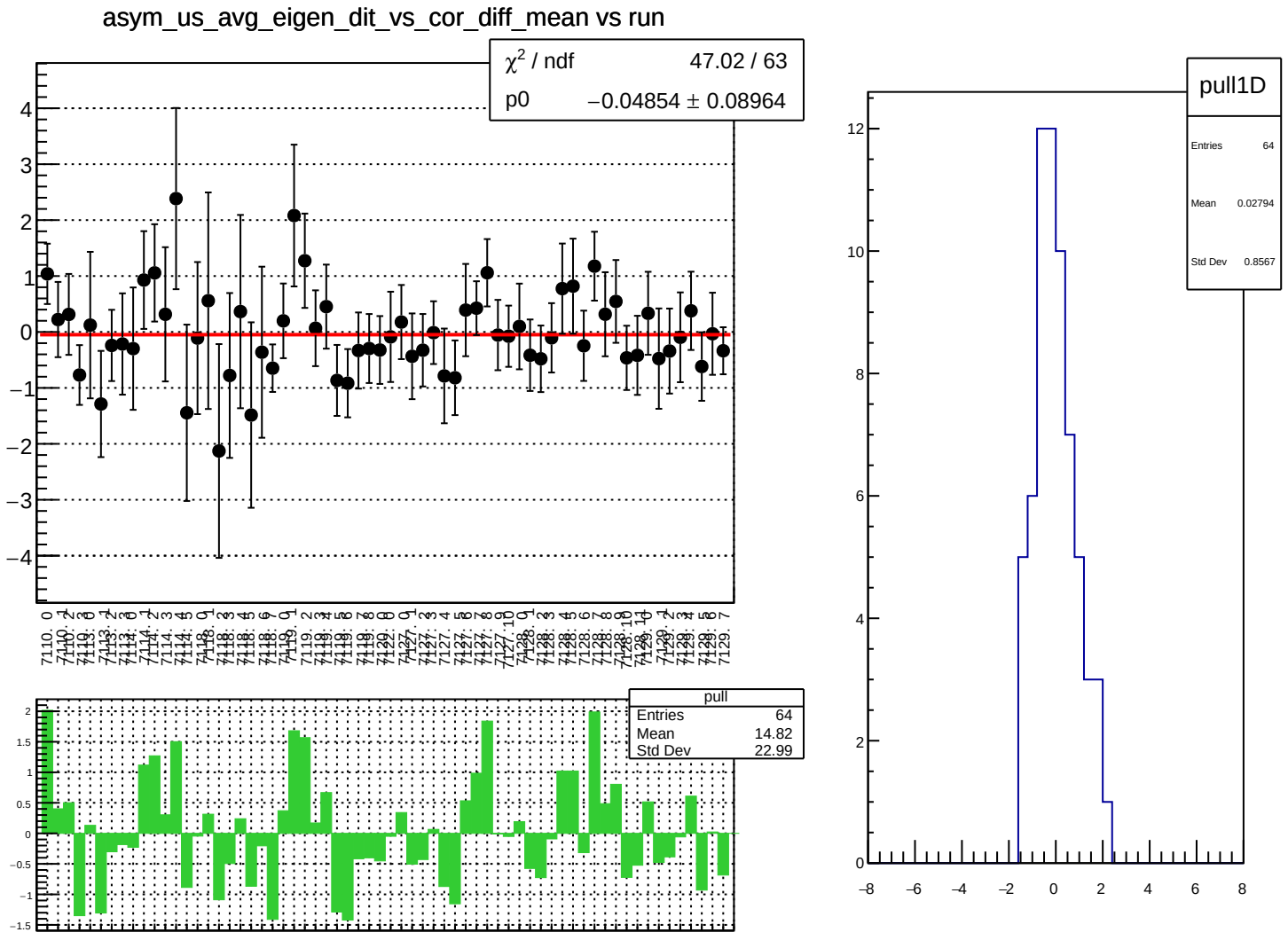

pull1D
Entries 64
Mean 0.02299
Std Dev 0.8994

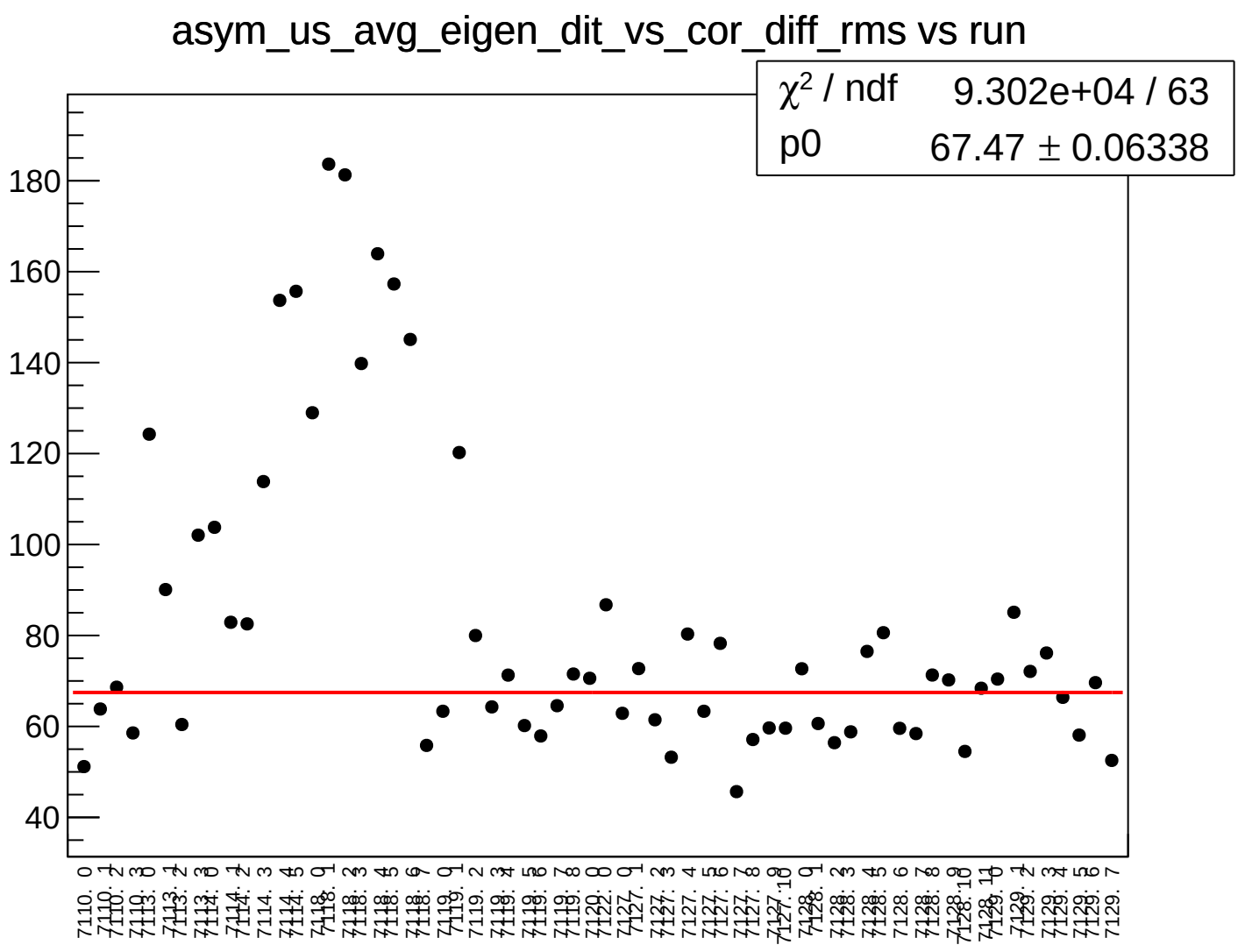

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.818e+04 / 63
p0 90.28 ± 0.08353
200
180
160
140
120
100
80
60

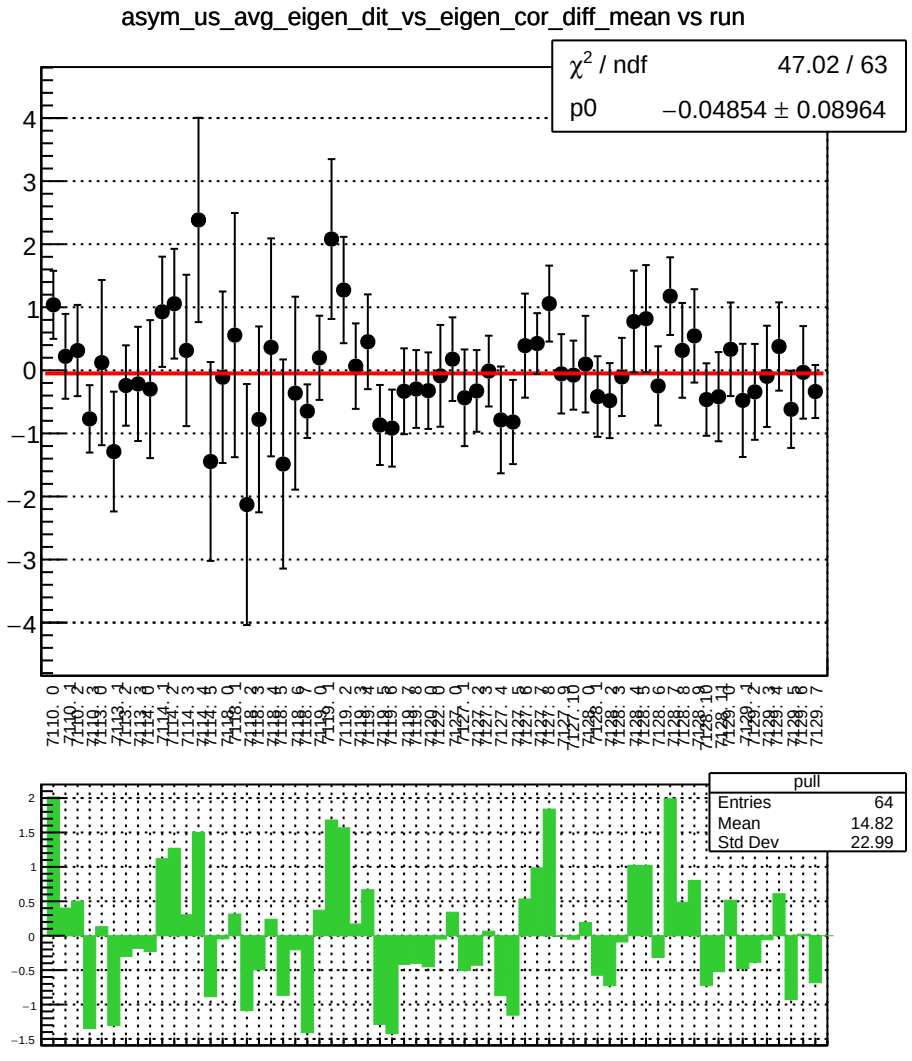

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.05 / 63
p0 −3.253e−06 ± 4.511e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 64
Mean 244.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

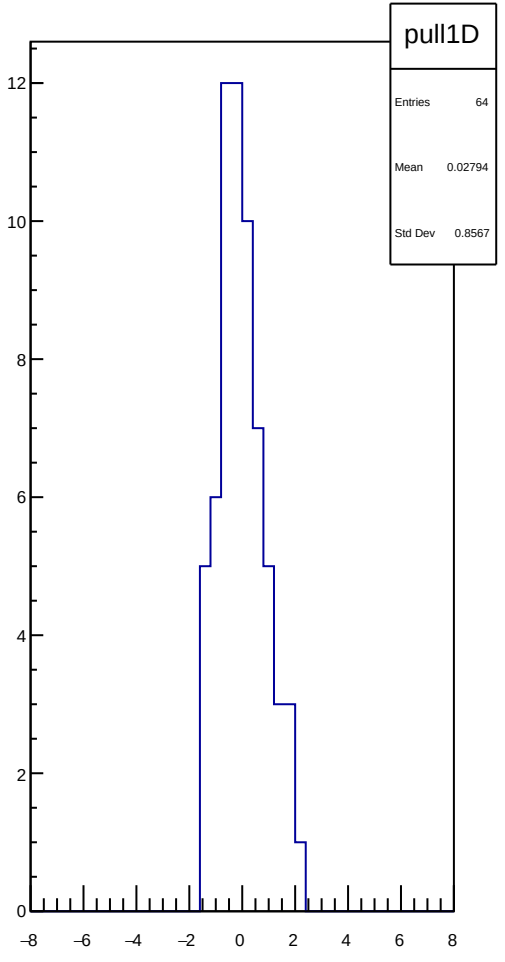

pull1D
Entries 64
Mean −0.01319
Std Dev 0.9189
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

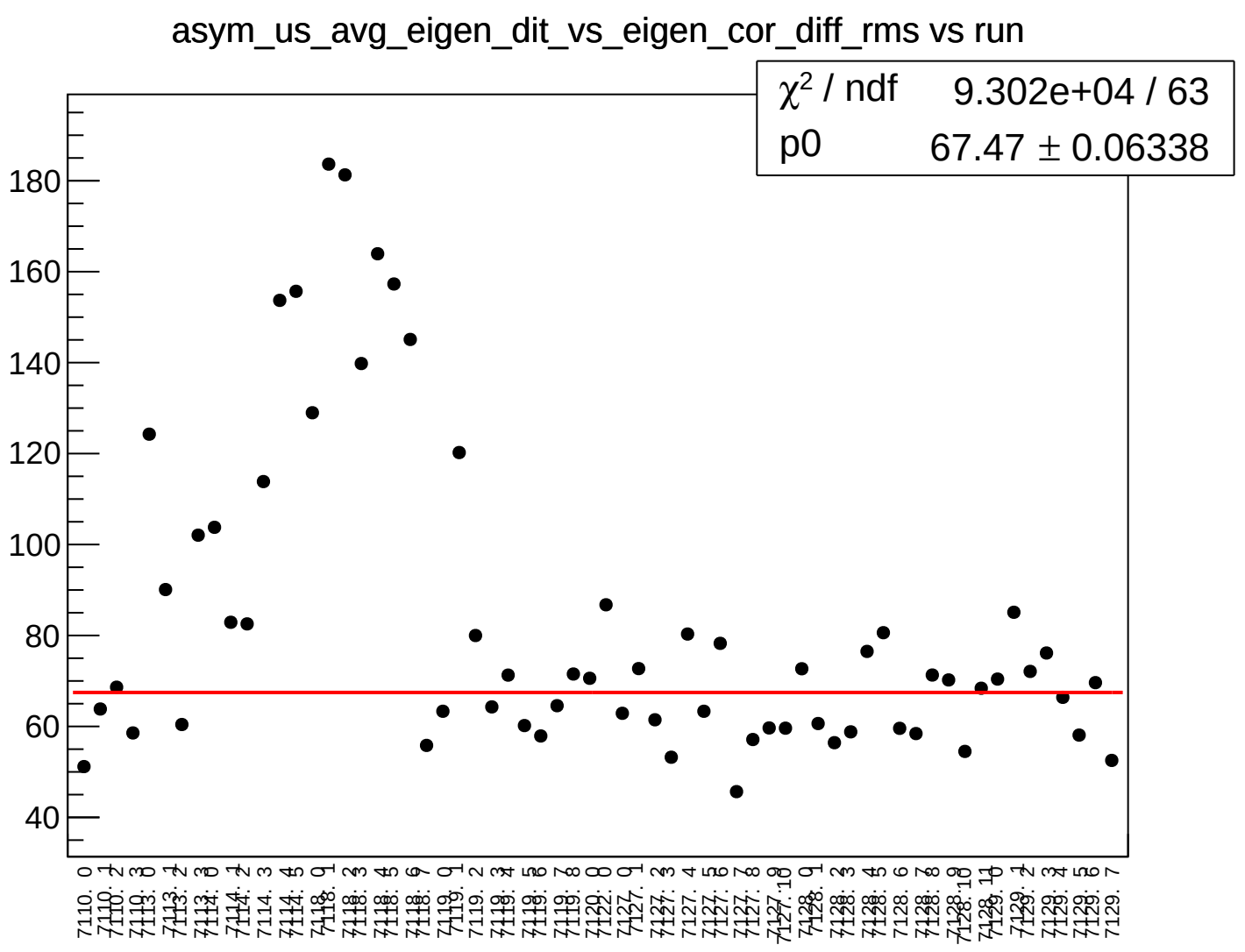

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.859e+04 / 63
p0 0.003505 ± 3.19e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003

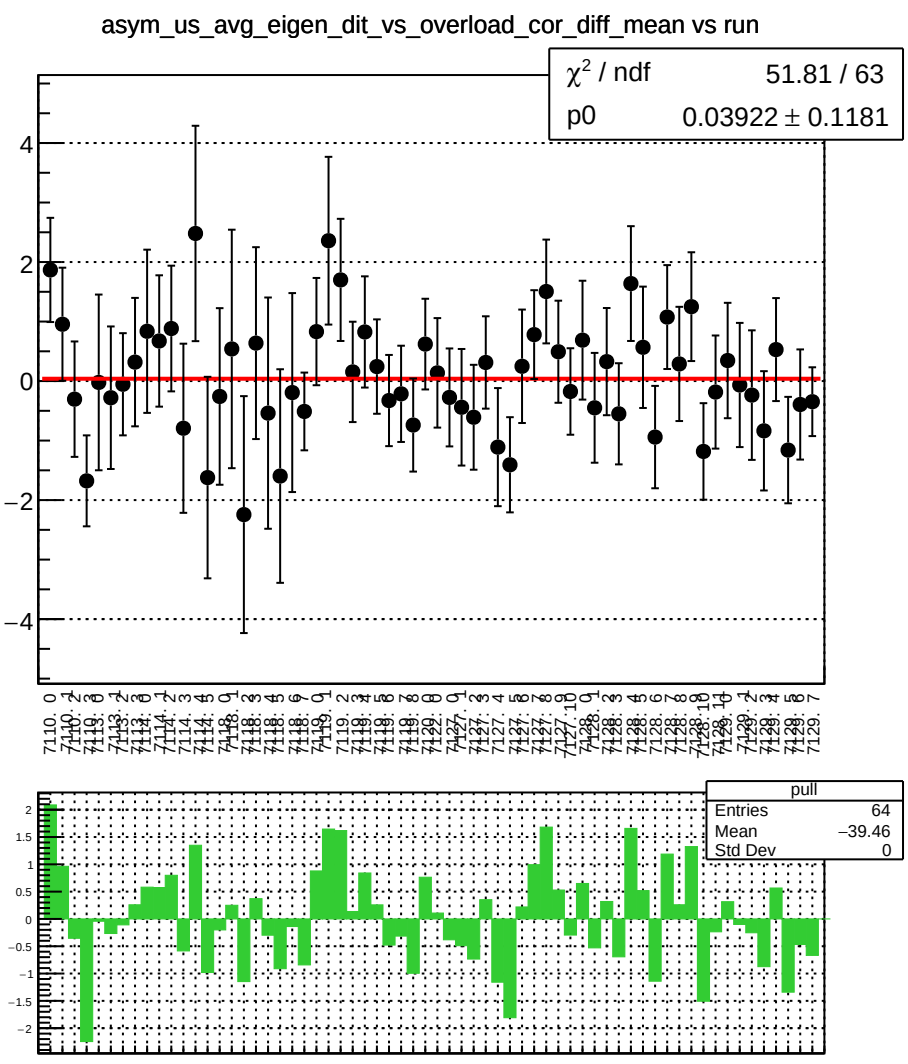

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.02 / 63
p0 −0.04854 ± 0.08964
pull
Entries 64
Mean 14.82
Std Dev 22.99
pull1D
Entries 64
Mean 0.02794
Std Dev 0.8567

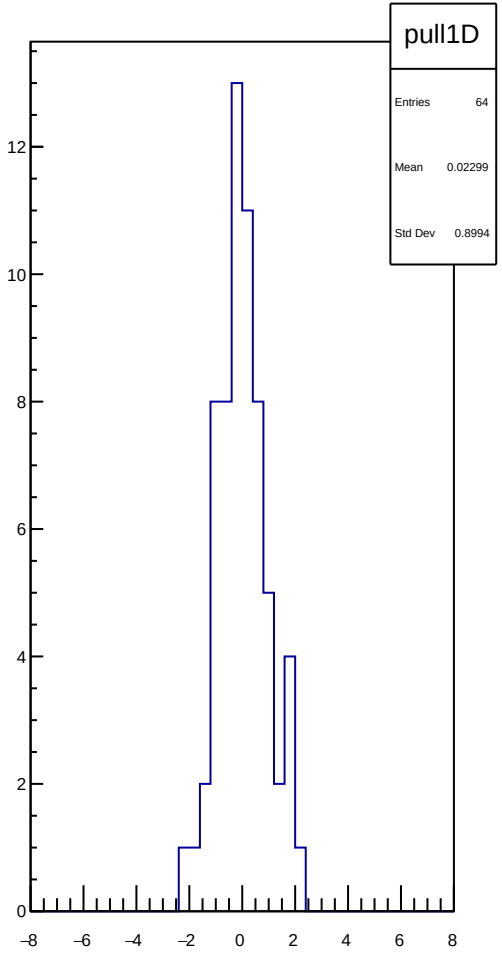

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.302e+04 / 63
p0 67.47 ± 0.06338
180
160
140
120
100
80
60
40

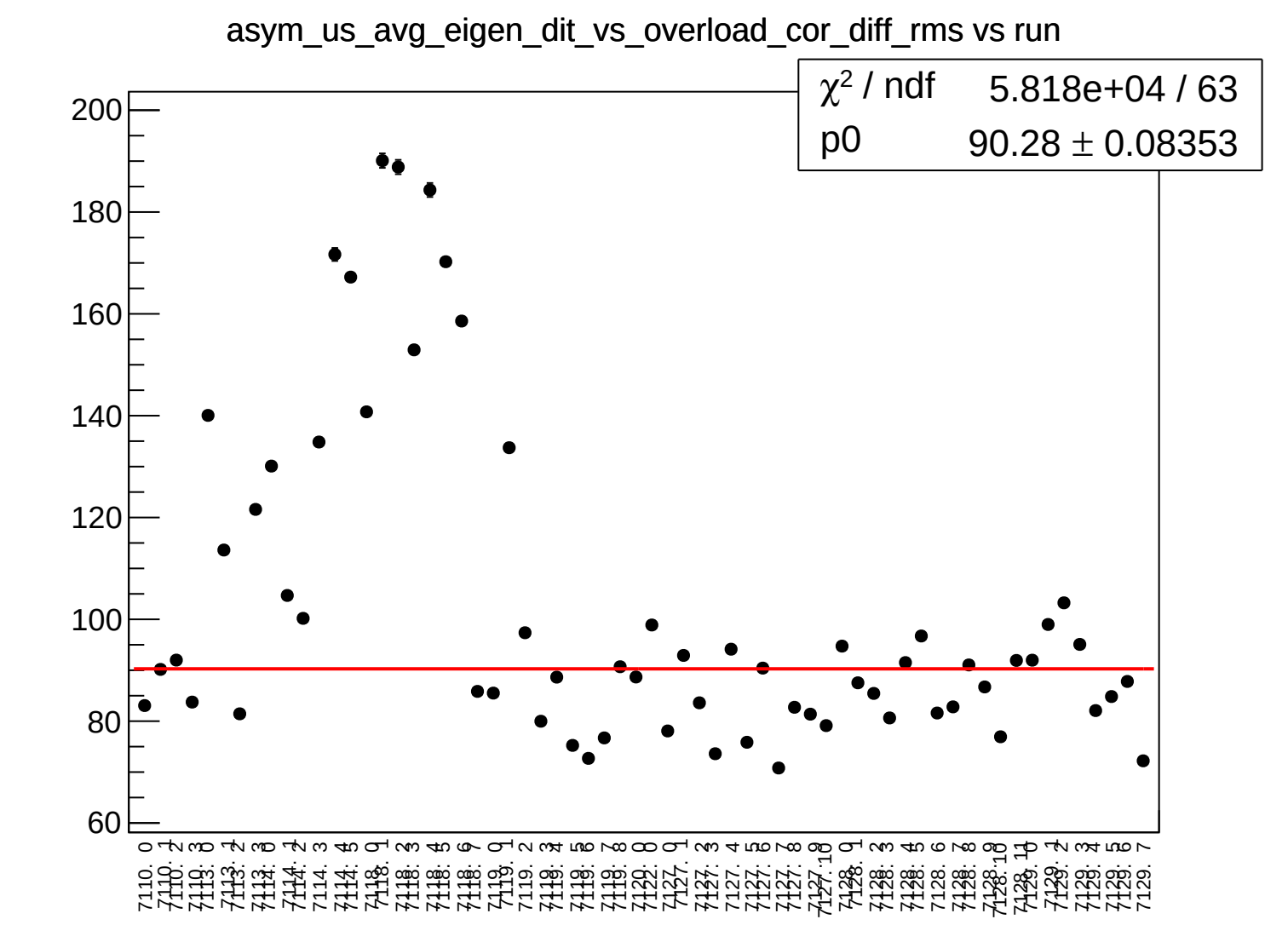

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.02 / 63
p0 −0.04854 ± 0.08964
pull
Entries 64
Mean 14.82
Std Dev 22.99

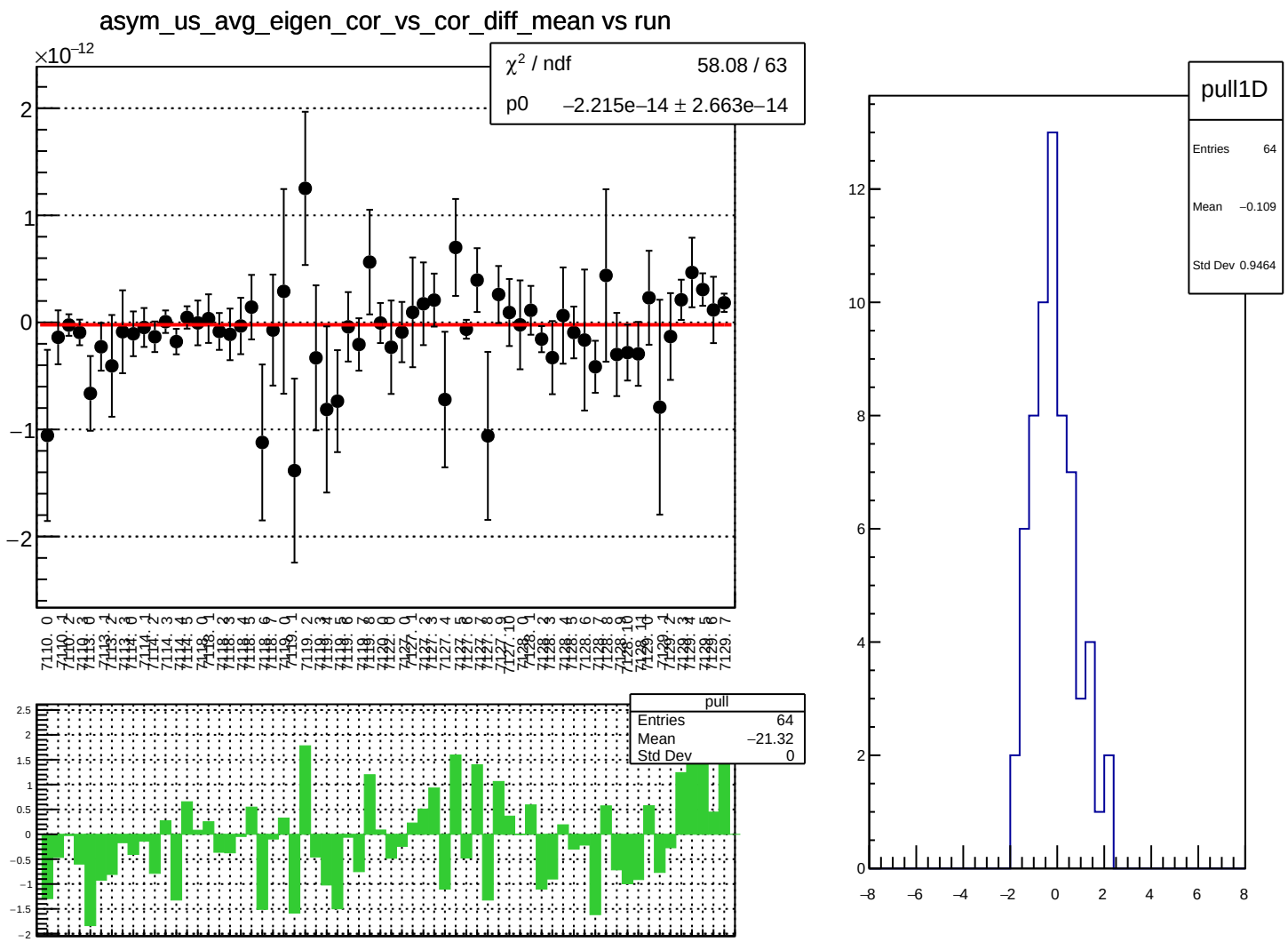

pull1D
Entries 64
Mean 0.02794
Std Dev 0.8567

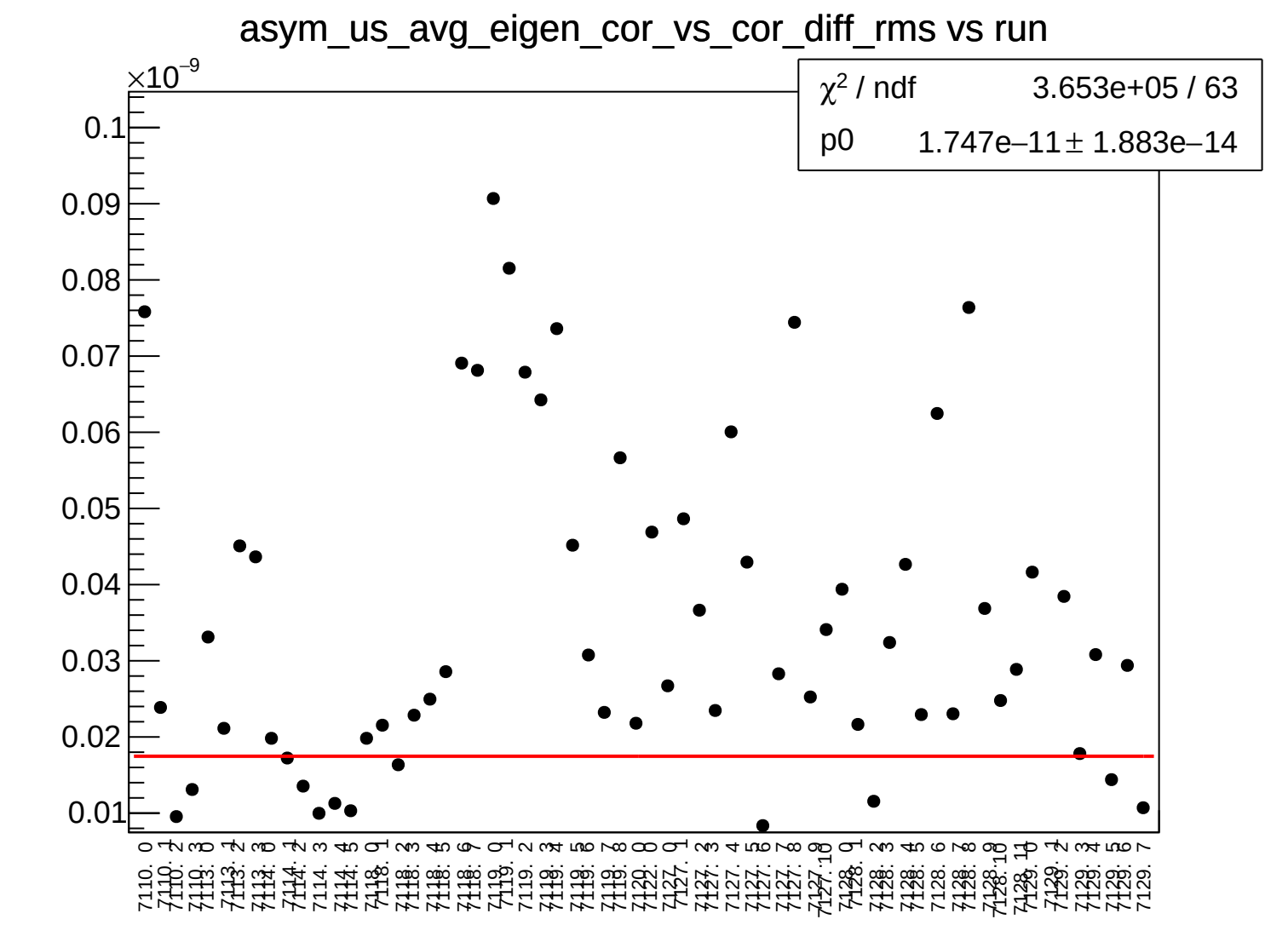

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.302e+04 / 63
p0 67.47 ± 0.06338
180
160
140
120
100
80
60
40

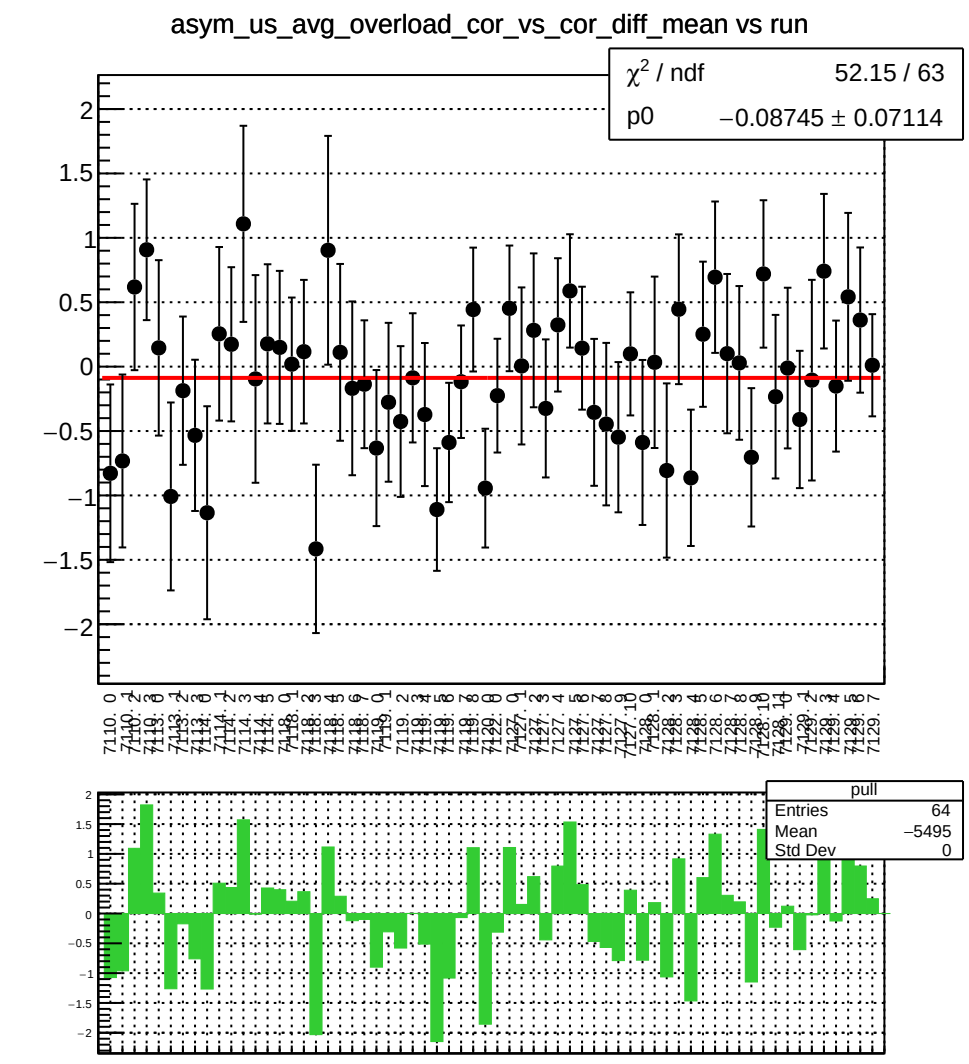

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 51.81 / 63
p0 0.03922 ± 0.1181
pull
Entries 64
Mean −39.46
Std Dev 0

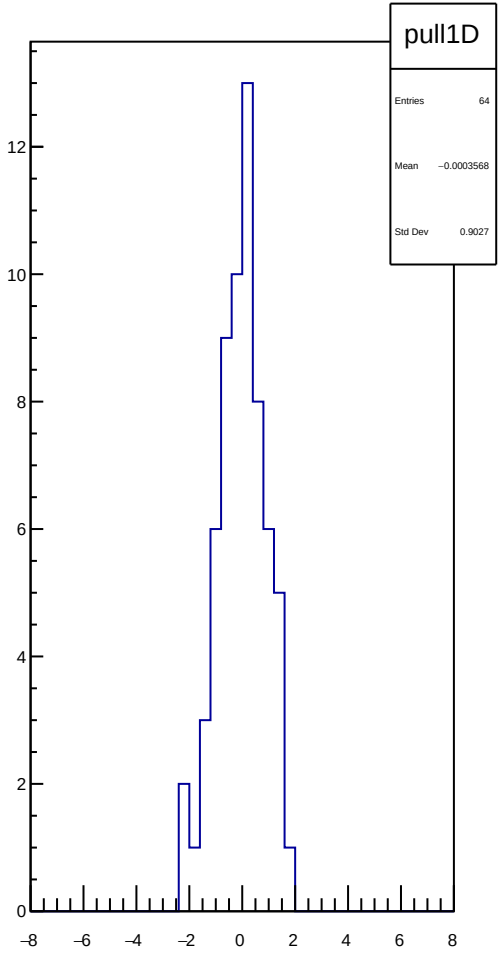

pull1D
Entries 64
Mean 0.02299
Std Dev 0.8994

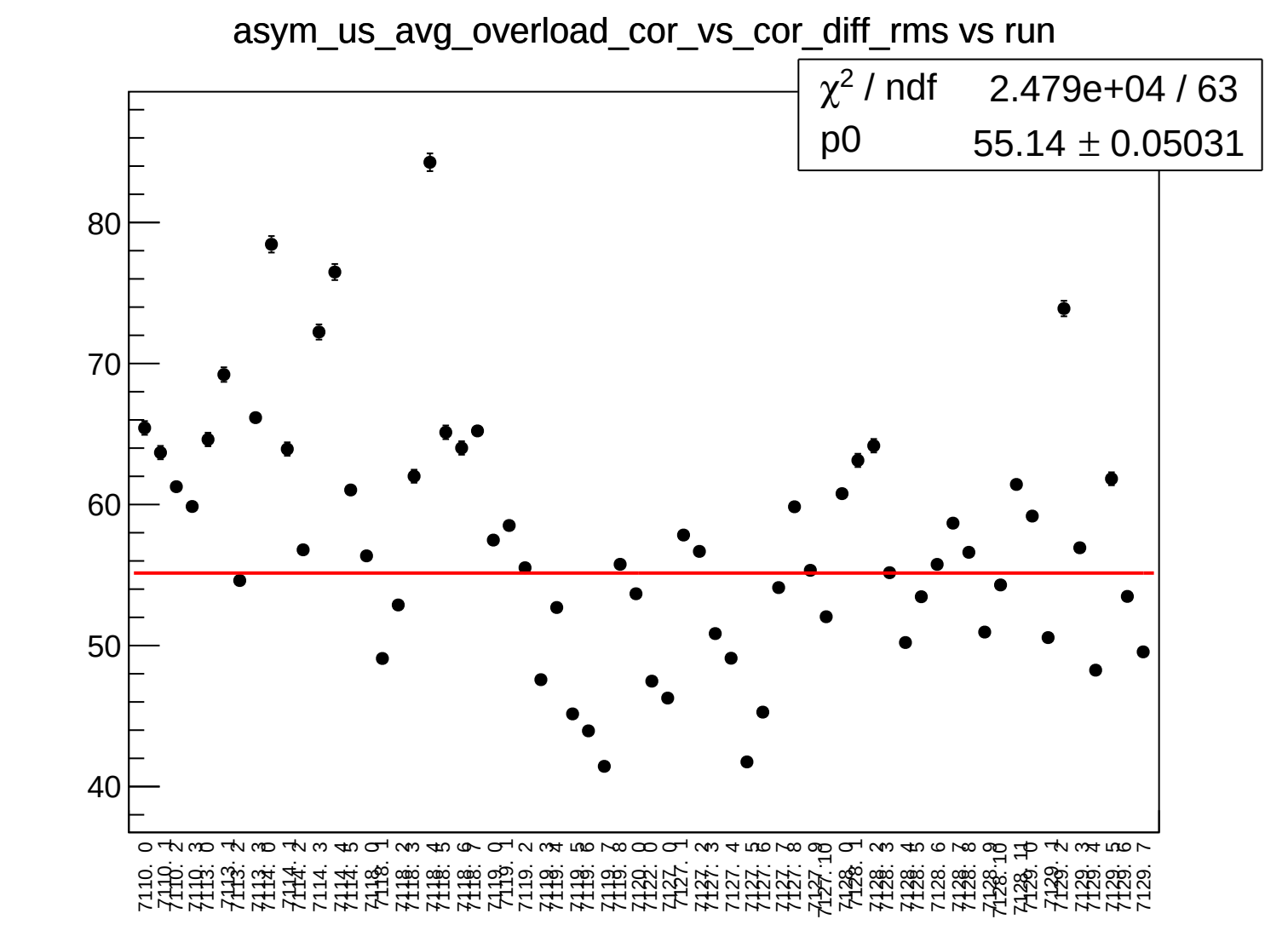

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.818e+04 / 63
p0 90.28 ± 0.08353
200
180
160
140
120
100
80
60

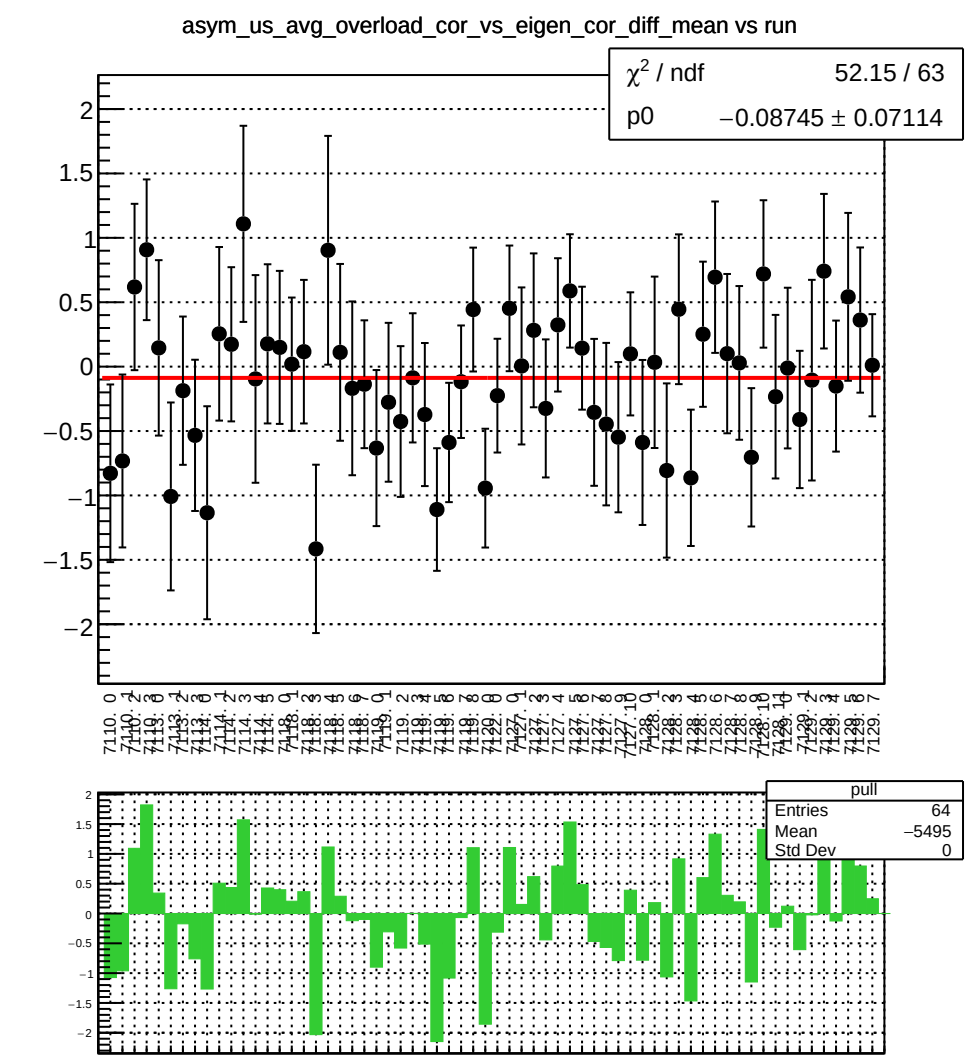

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 58.08 / 63
p0 −2.215e−14 ± 2.663e−14
pull
Entries 64
Mean −21.32
Std Dev 0
pull1D
Entries 64
Mean −0.109
Std Dev 0.9464

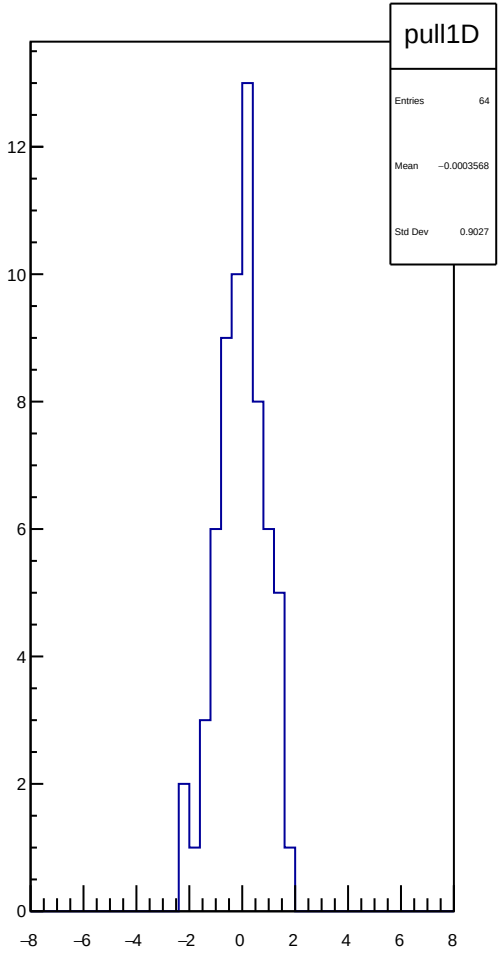

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.653e+05 / 63
p0 1.747e−11 ± 1.883e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

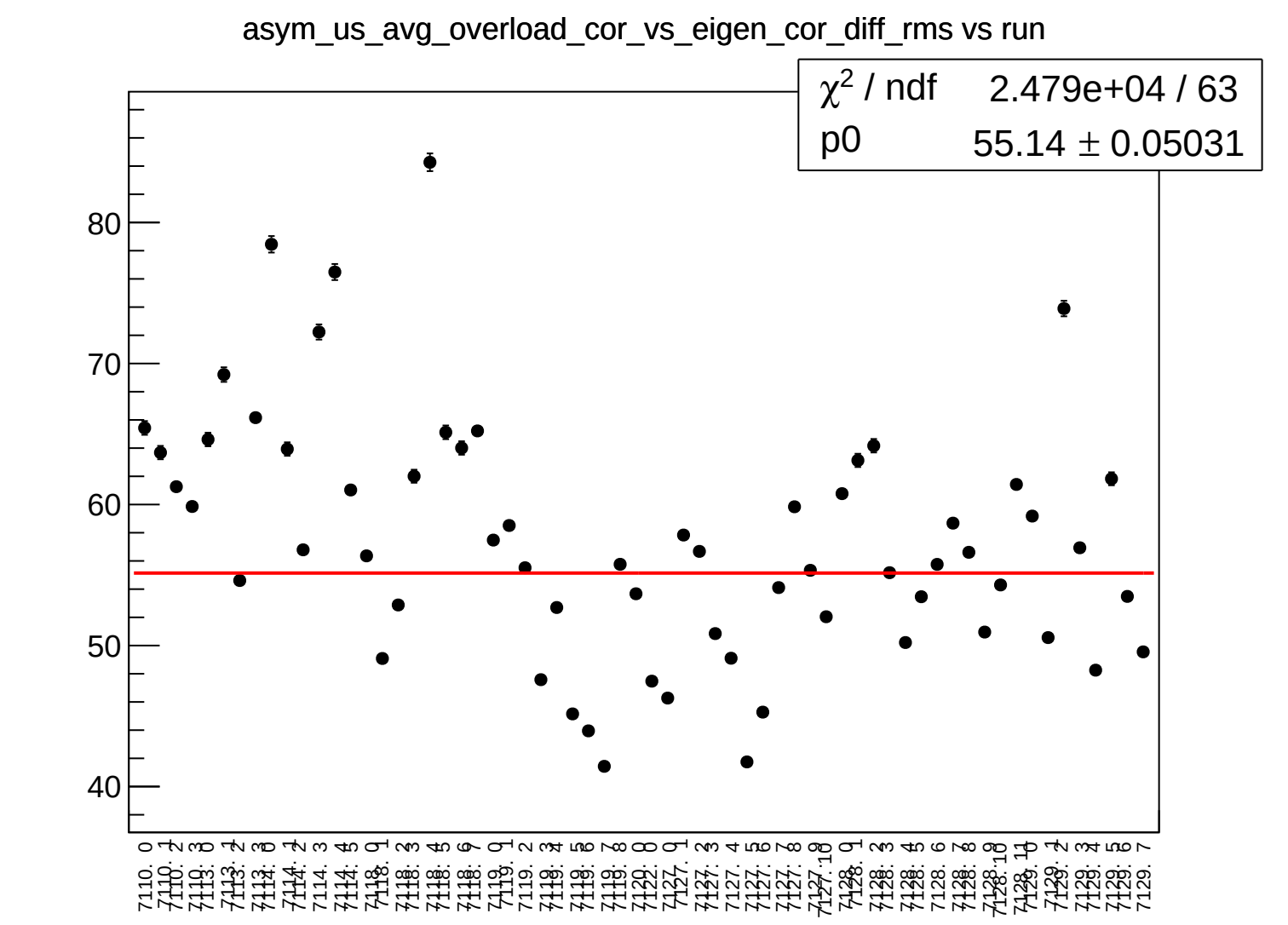

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 52.15 / 63
p0 −0.08745 ± 0.07114
pull
Entries 64
Mean −5495
Std Dev 0

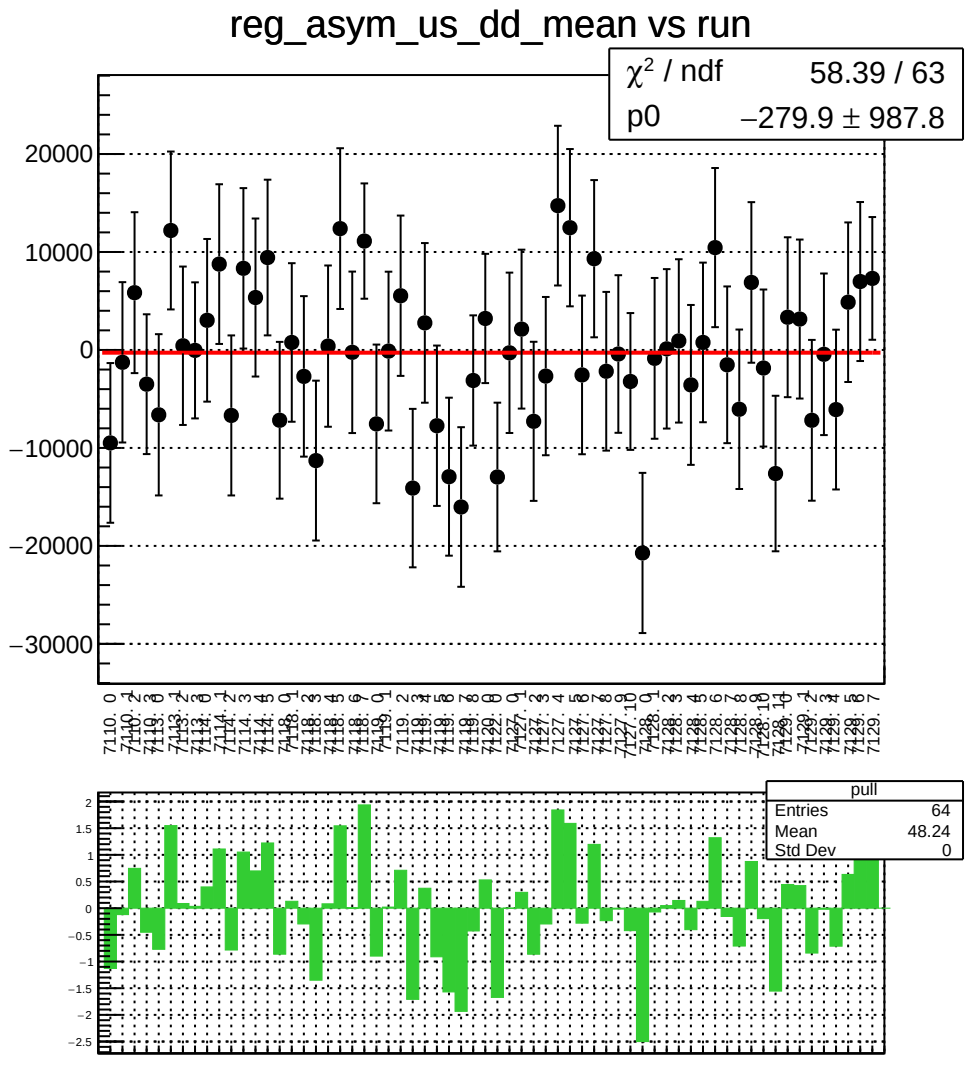

pull1D
Entries 64
Mean −0.0003568
Std Dev 0.9027

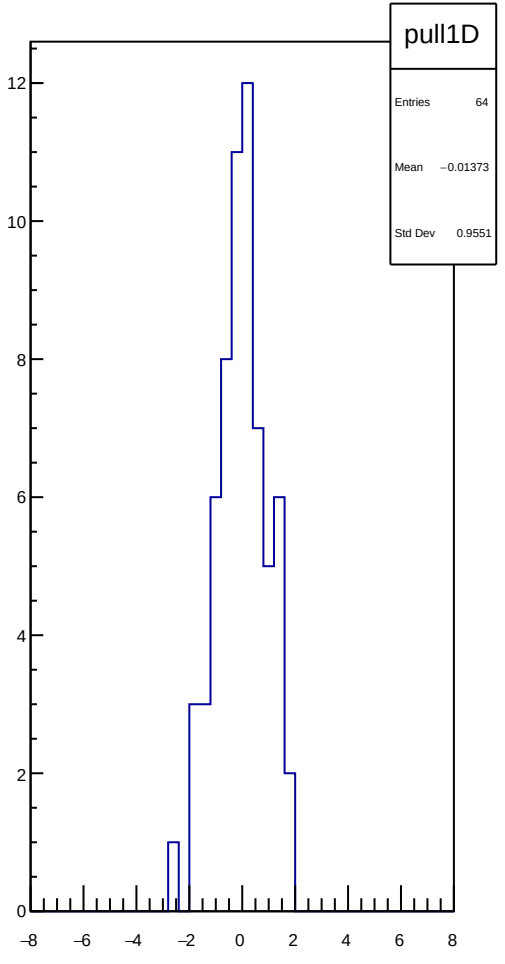

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 2.479e+04 / 63
p0 55.14 ± 0.05031
80
70
60
50
40

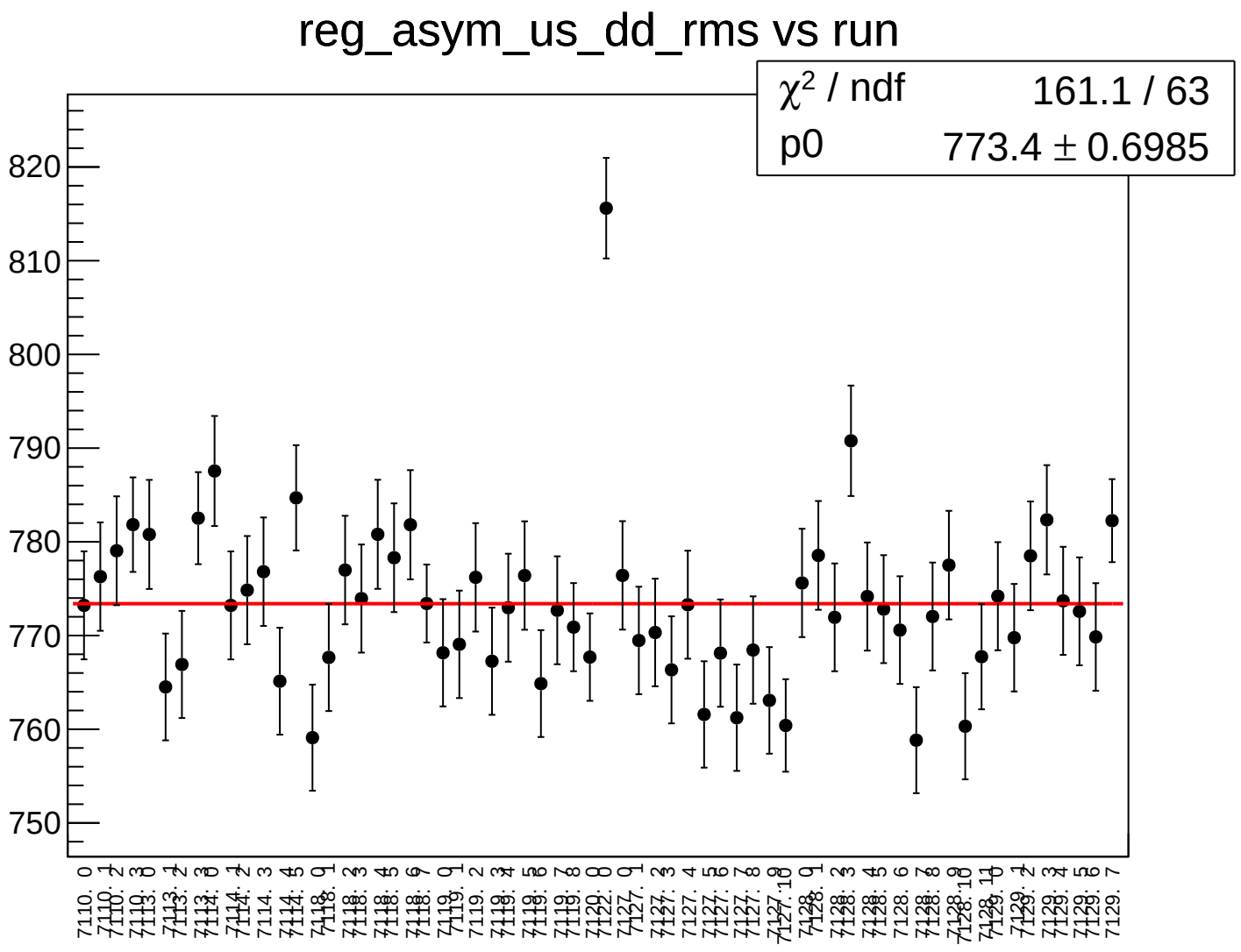

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.15 / 63
p0 −0.08745 ± 0.07114
pull
Entries 64
Mean −5495
Std Dev 0

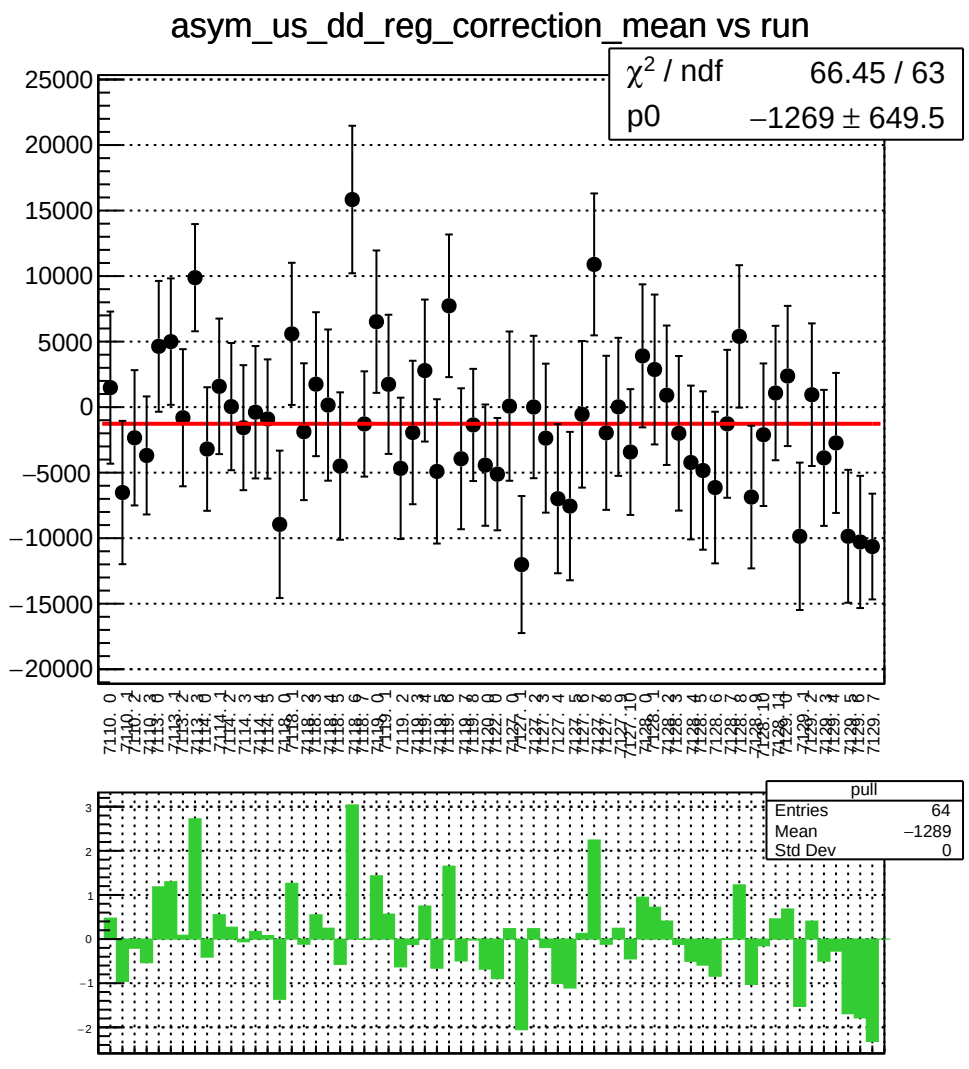

pull1D
Entries 64
Mean −0.0003568
Std Dev 0.9027

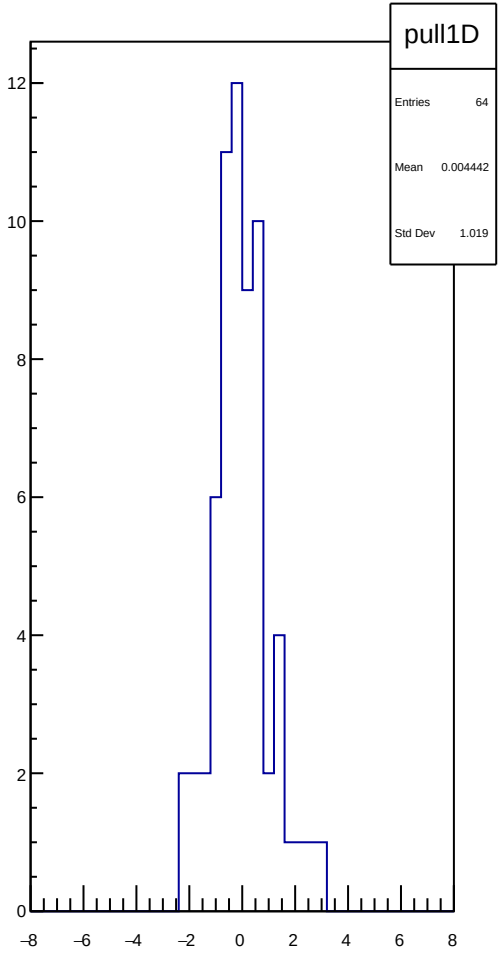

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.479e+04 / 63
p0 55.14 ± 0.05031
80
70
60
50
40

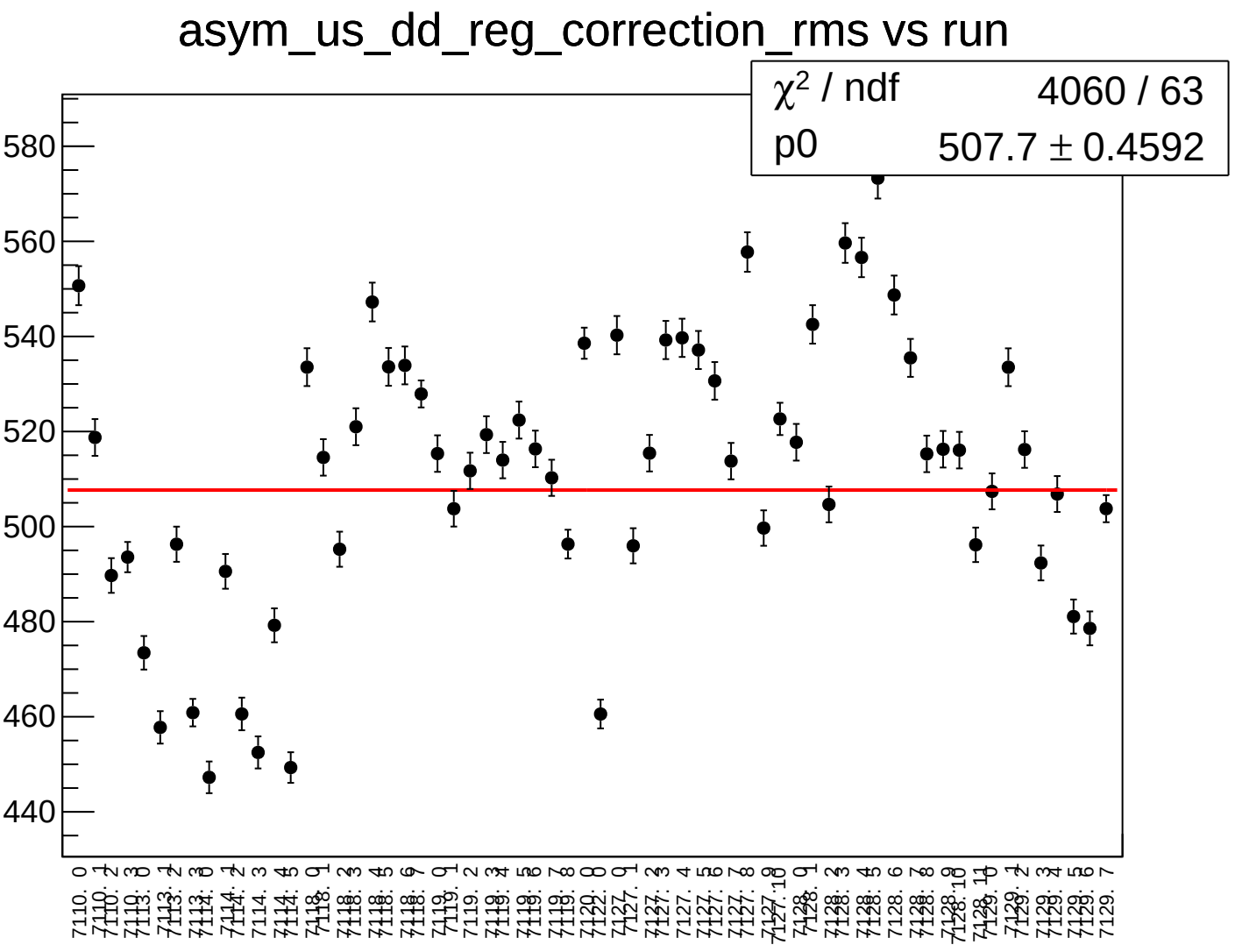

reg_asym_us_dd_mean vs run
χ² / ndf 58.39 / 63
p0 −279.9 ± 987.8
pull
Entries 64
Mean 48.24
Std Dev 0

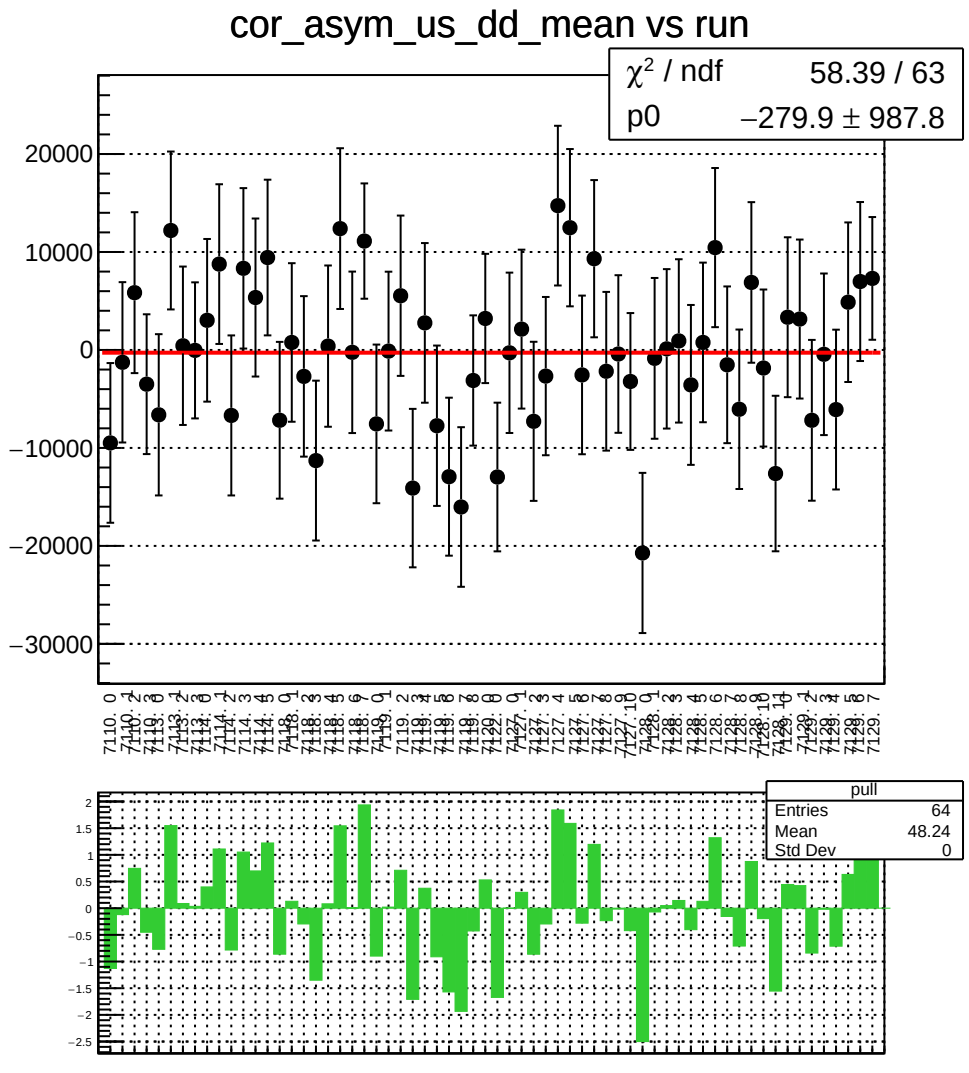

pull1D
Entries 64
Mean −0.01373
Std Dev 0.9551

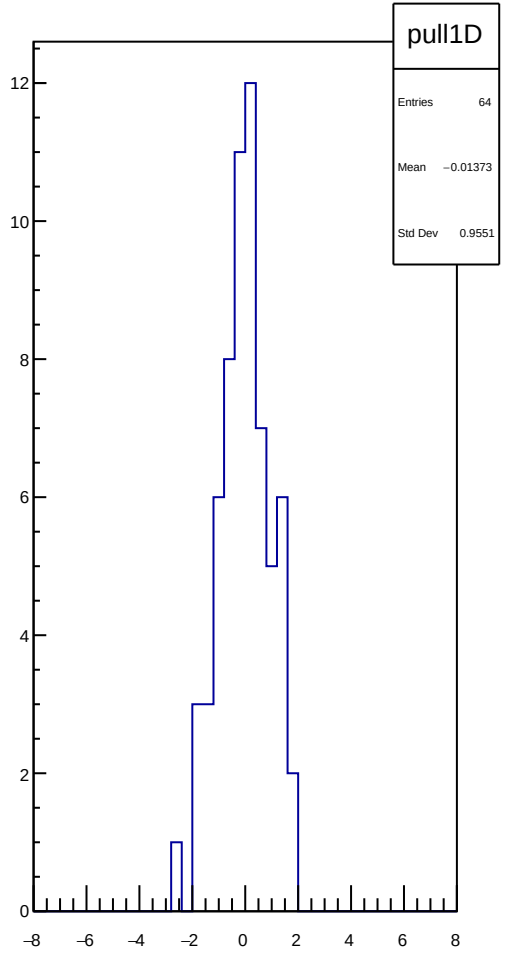

reg_asym_us_dd_rms vs run
χ² / ndf 161.1 / 63
p0 773.4 ± 0.6985
820
810
800
790
780
770
760
750

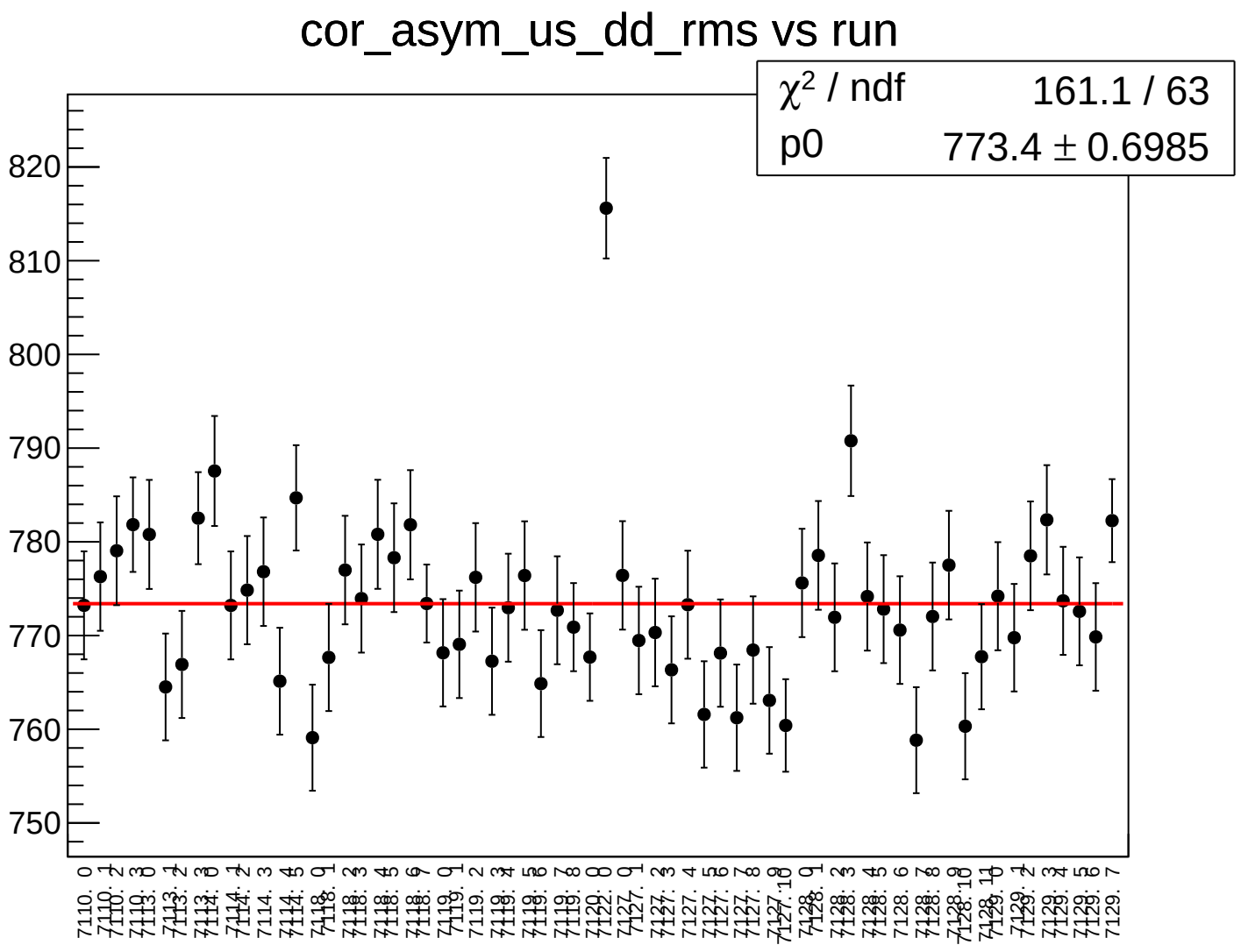

asym_us_dd_reg_correction_mean vs run
χ² / ndf 66.45 / 63
p0 −1269 ± 649.5
pull
Entries 64
Mean −1289
Std Dev 0

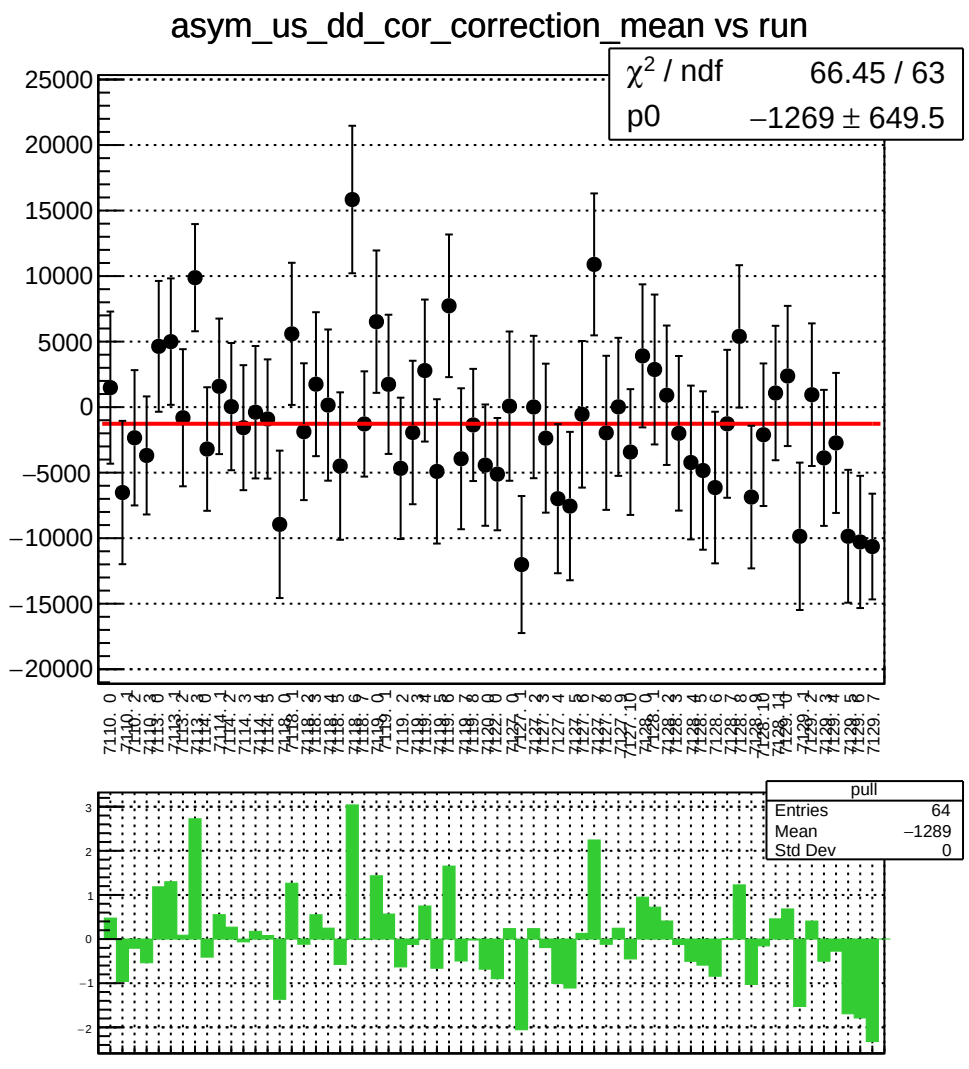

pull1D
Entries 64
Mean 0.004442
Std Dev 1.019

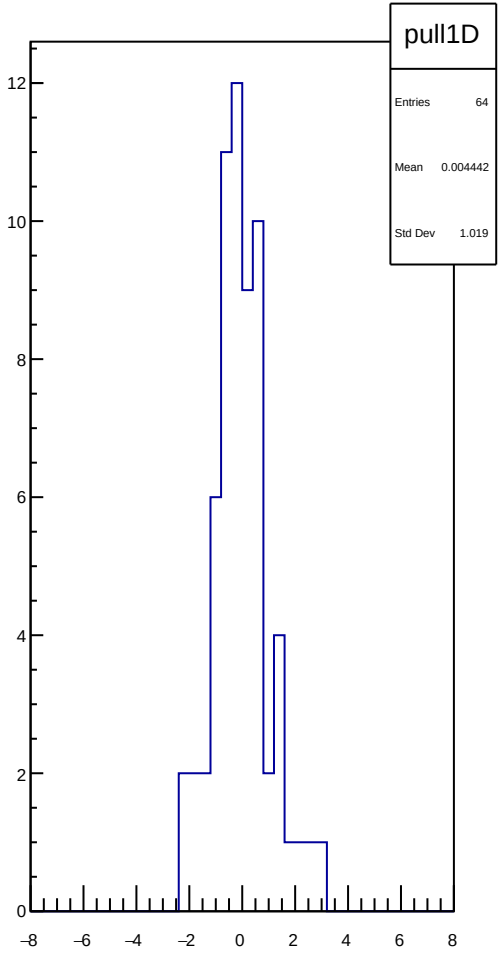

asym_us_dd_reg_correction_rms vs run
χ² / ndf 4060 / 63
p0 507.7 ± 0.4592
580
560
540
520
500
480
460
440

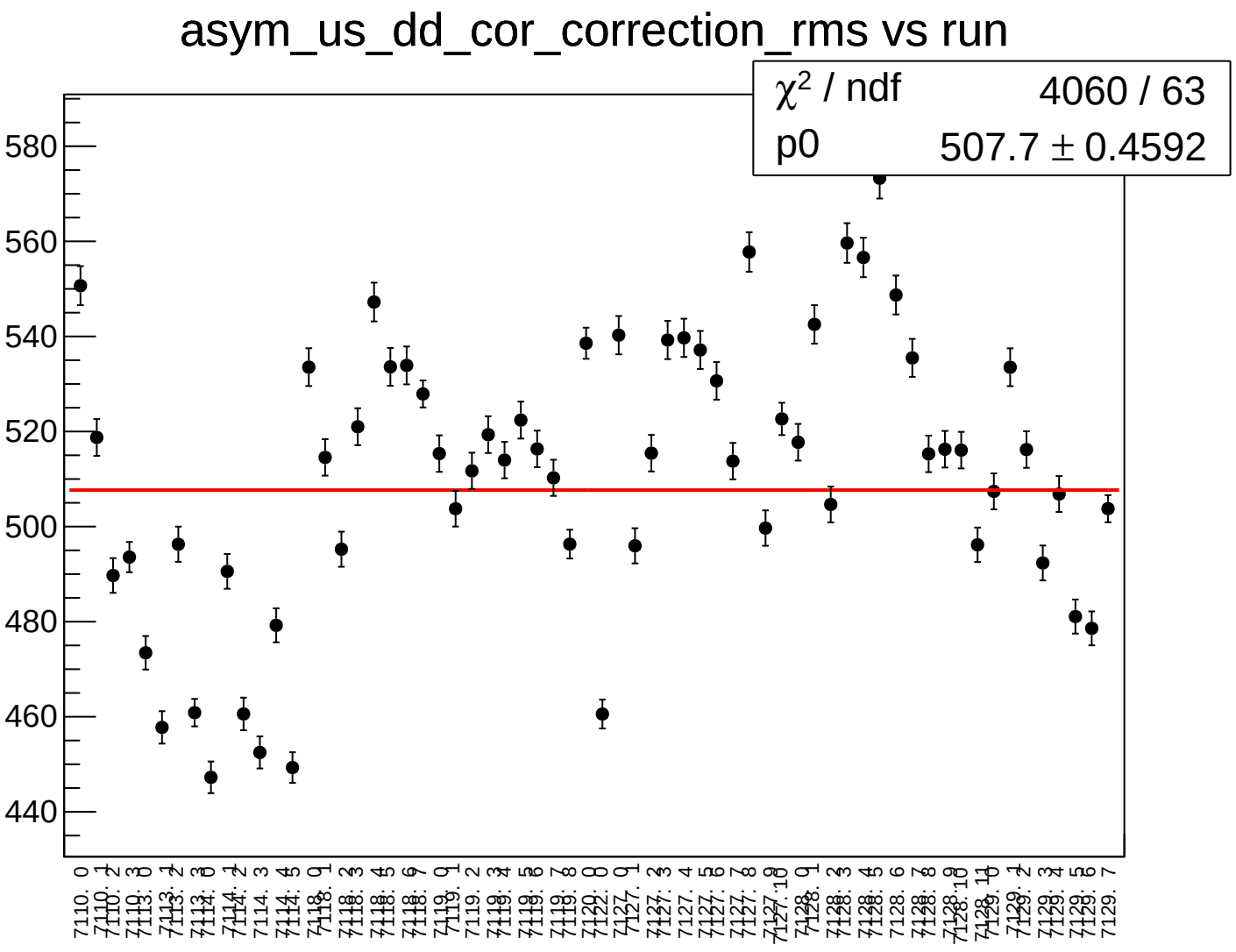

cor_asym_us_dd_mean vs run
χ² / ndf 58.39 / 63
p0 −279.9 ± 987.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 48.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

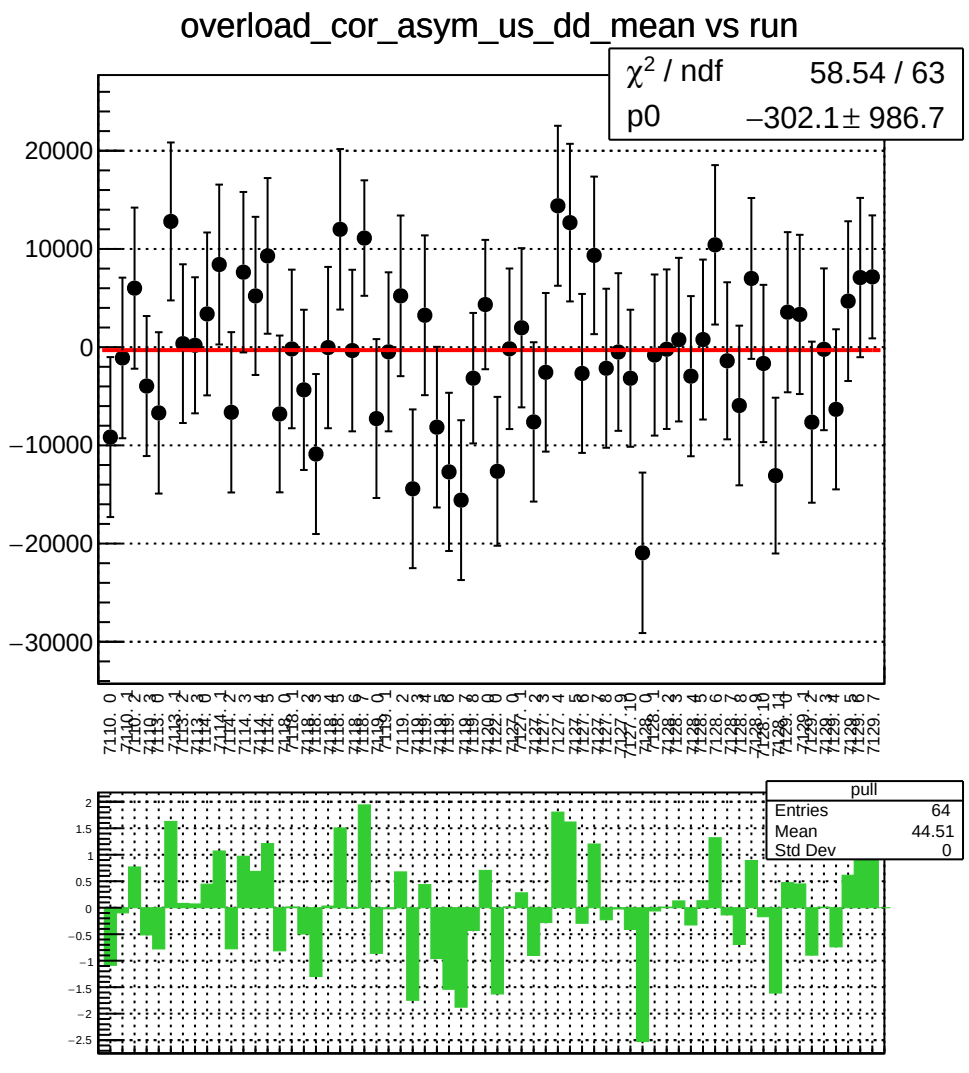

pull1D
Entries 64
Mean −0.01373
Std Dev 0.9551
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

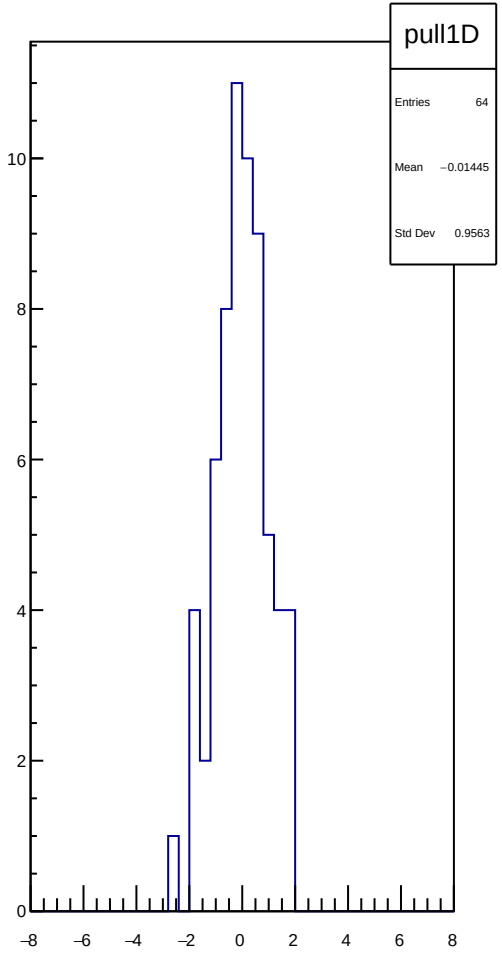

cor_asym_us_dd_rms vs run
χ² / ndf 161.1 / 63
p0 773.4 ± 0.6985
820
810
800
790
780
770
760
750

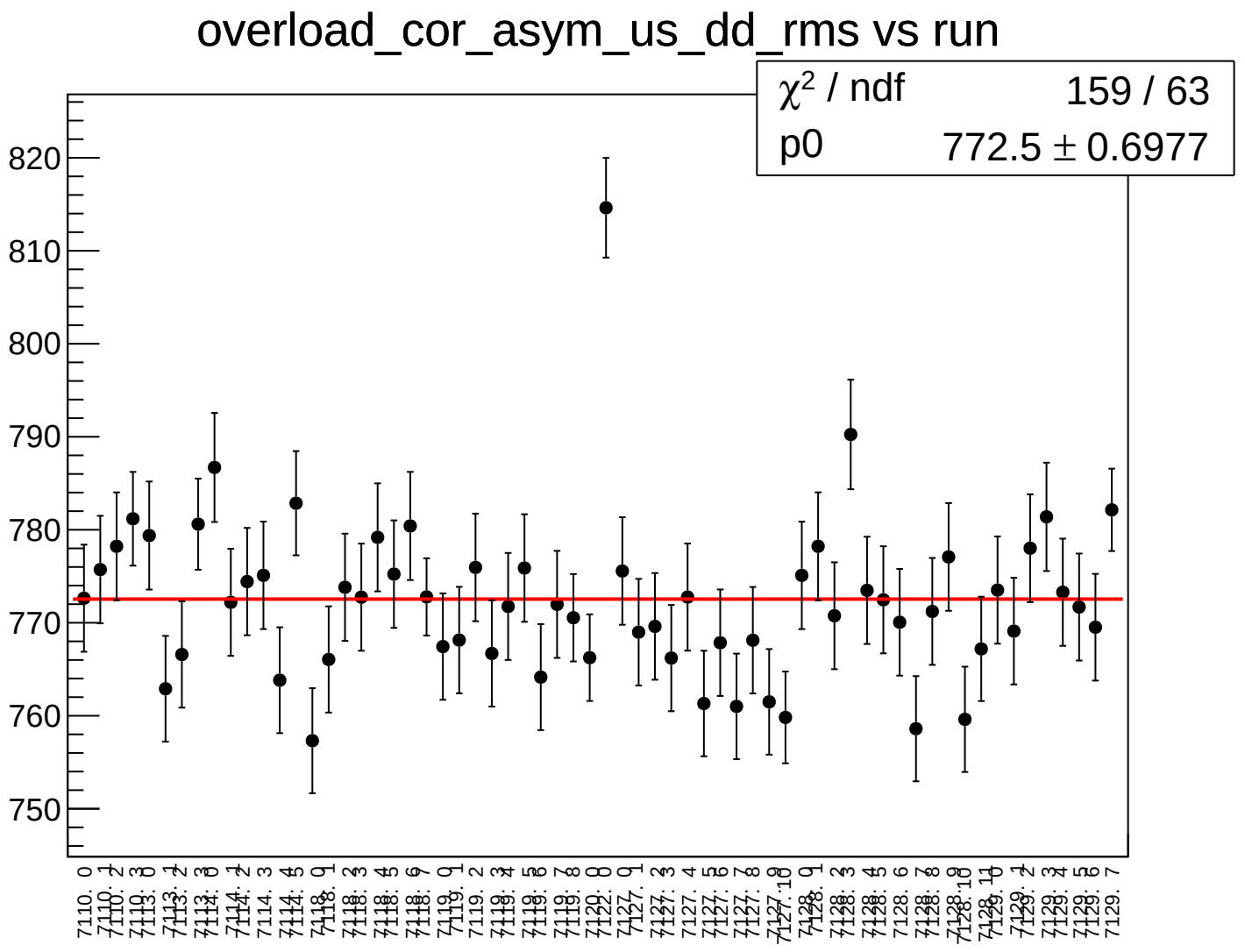

asym_us_dd_cor_correction_mean vs run
χ² / ndf 66.45 / 63
p0 −1269 ± 649.5
pull
Entries 64
Mean −1289
Std Dev 0

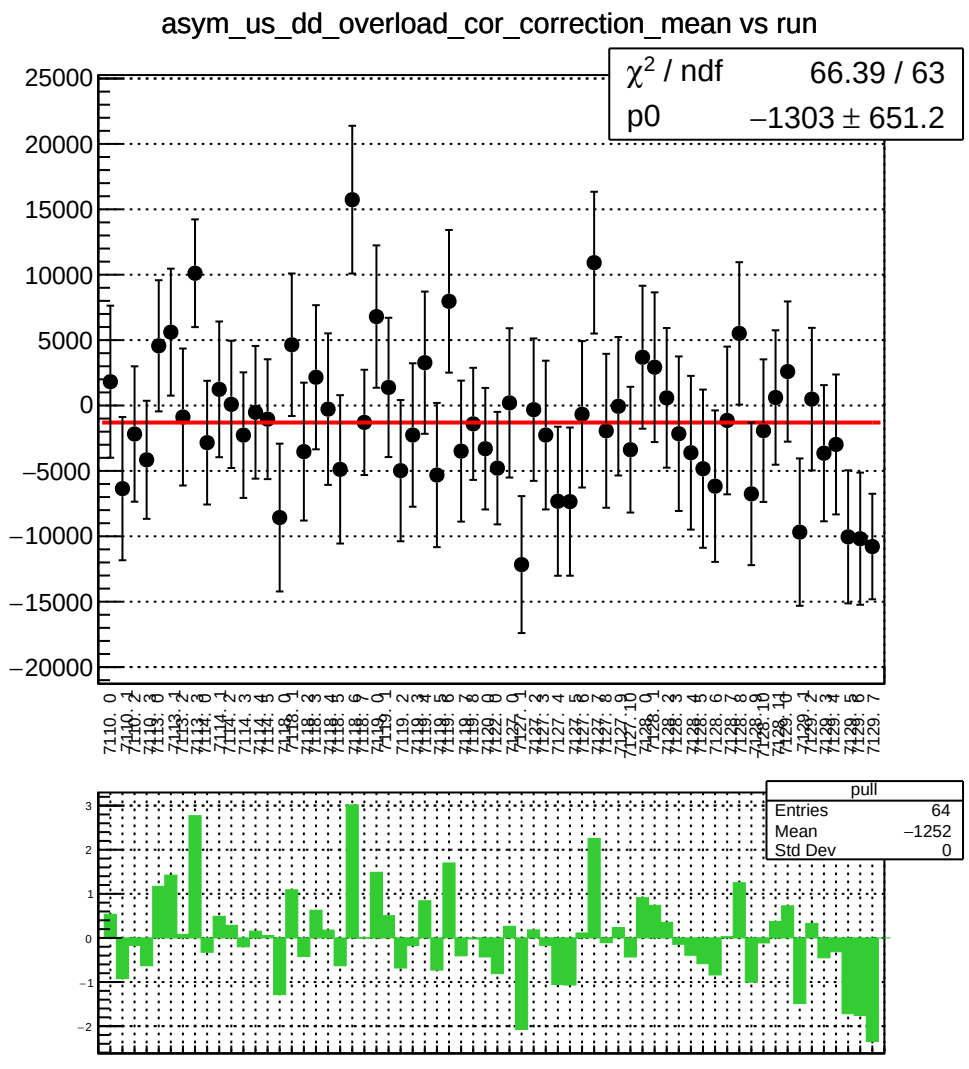

pull1D
Entries 64
Mean 0.004442
Std Dev 1.019

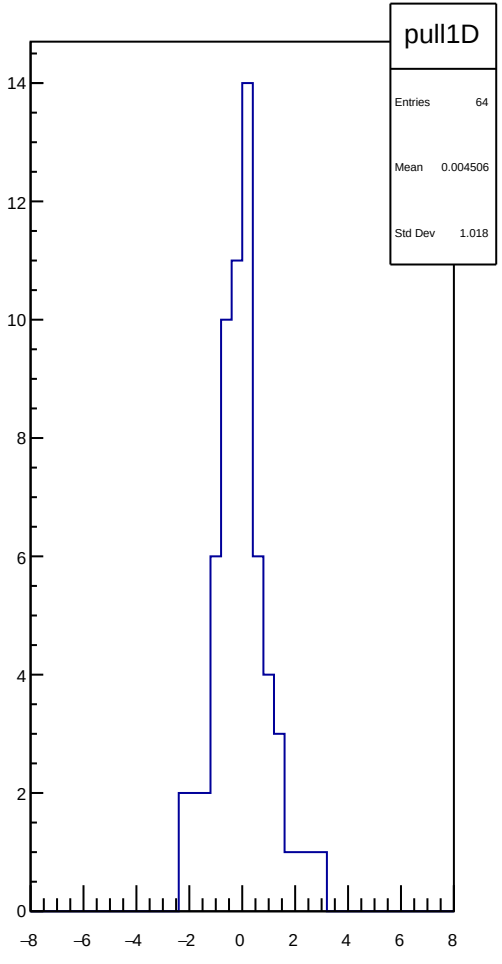

asym_us_dd_cor_correction_rms vs run
χ² / ndf 4060 / 63
p0 507.7 ± 0.4592
580
560
540
520
500
480
460
440

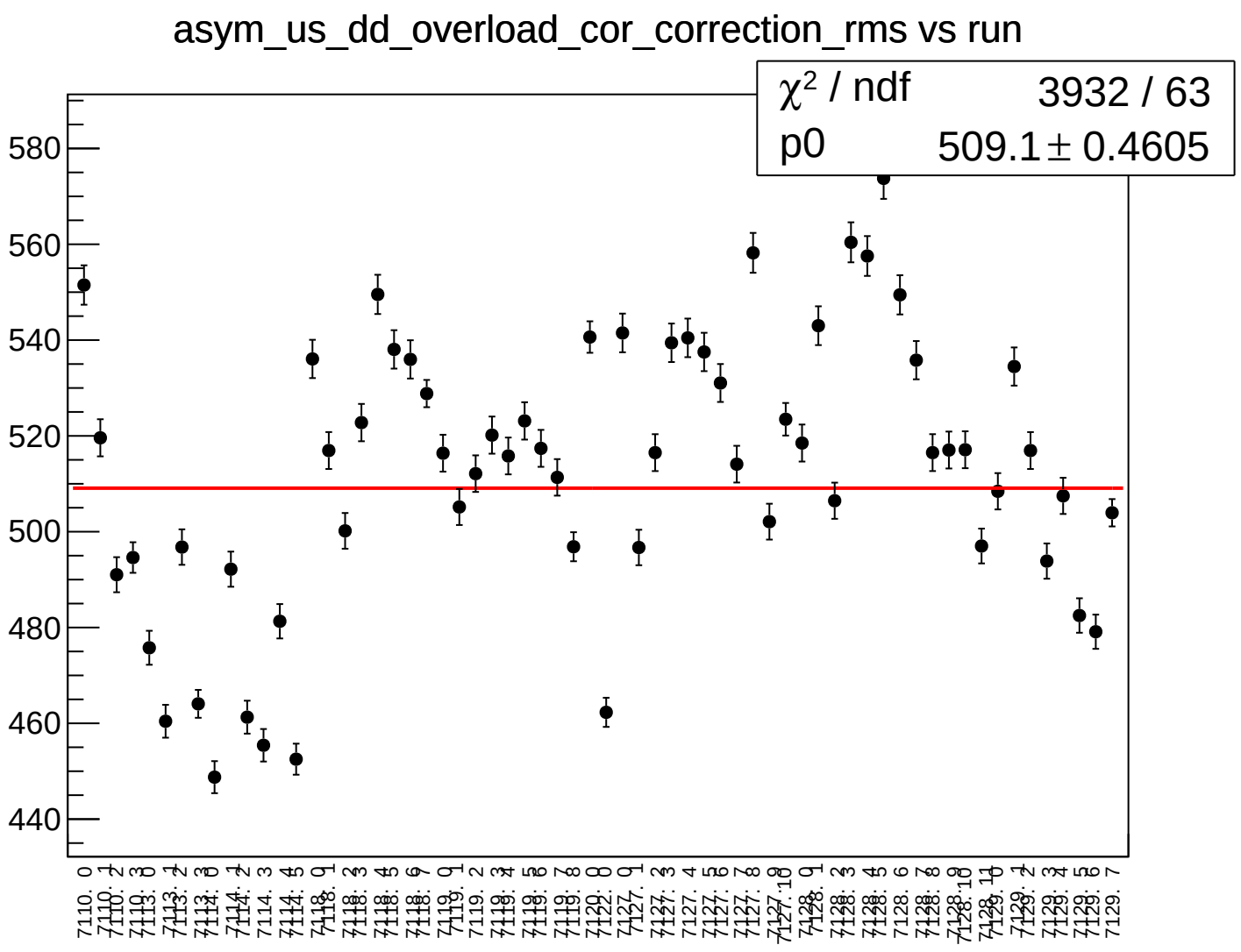

overload_cor_asym_us_dd_mean vs run
χ² / ndf 58.54 / 63
p0 −302.1± 986.7
pull
Entries 64
Mean 44.51
Std Dev 0

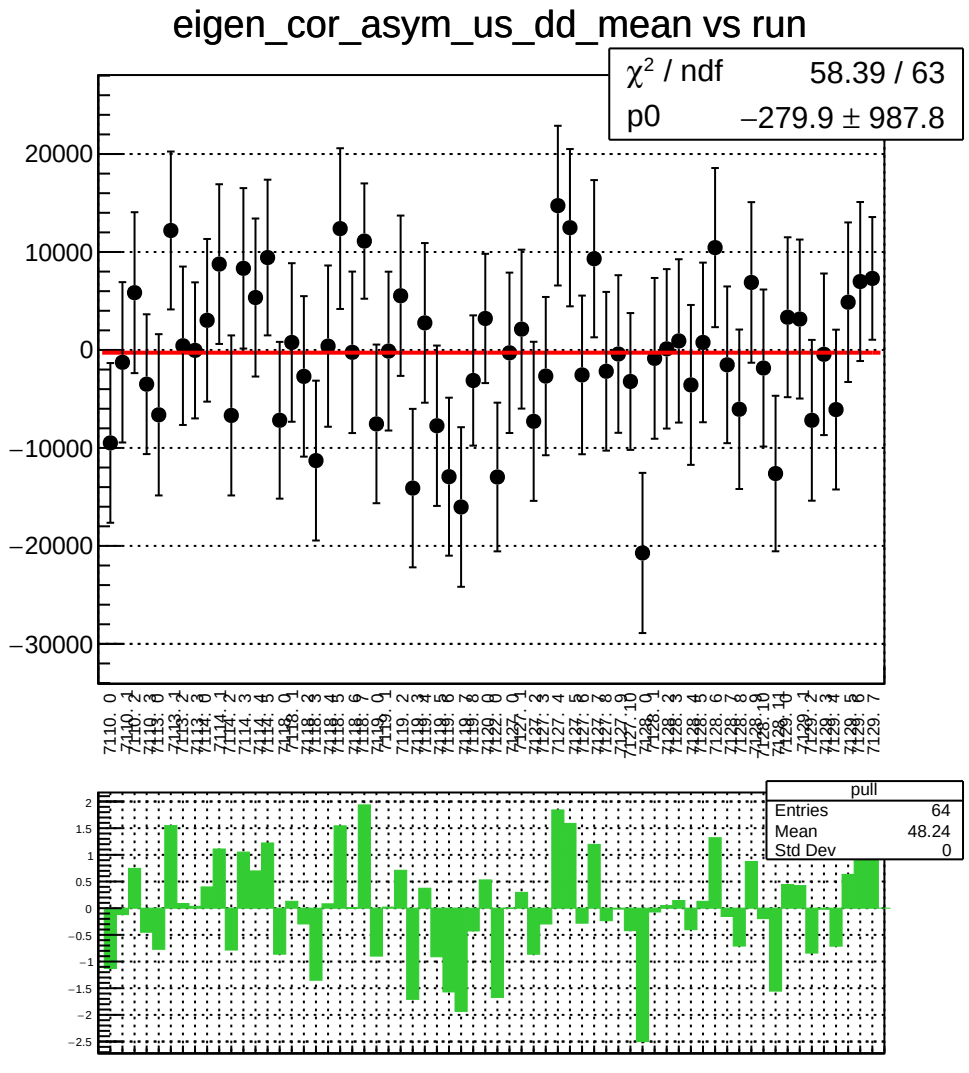

pull1D
Entries 64
Mean −0.01445
Std Dev 0.9563

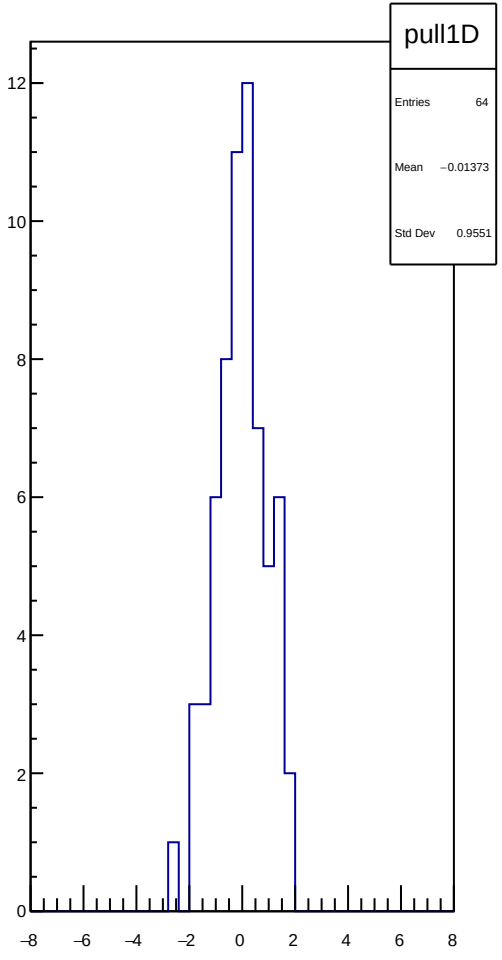

overload_cor_asym_us_dd_rms vs run
χ² / ndf 159 / 63
p0 772.5 ± 0.6977
820
810
800
790
780
770
760
750

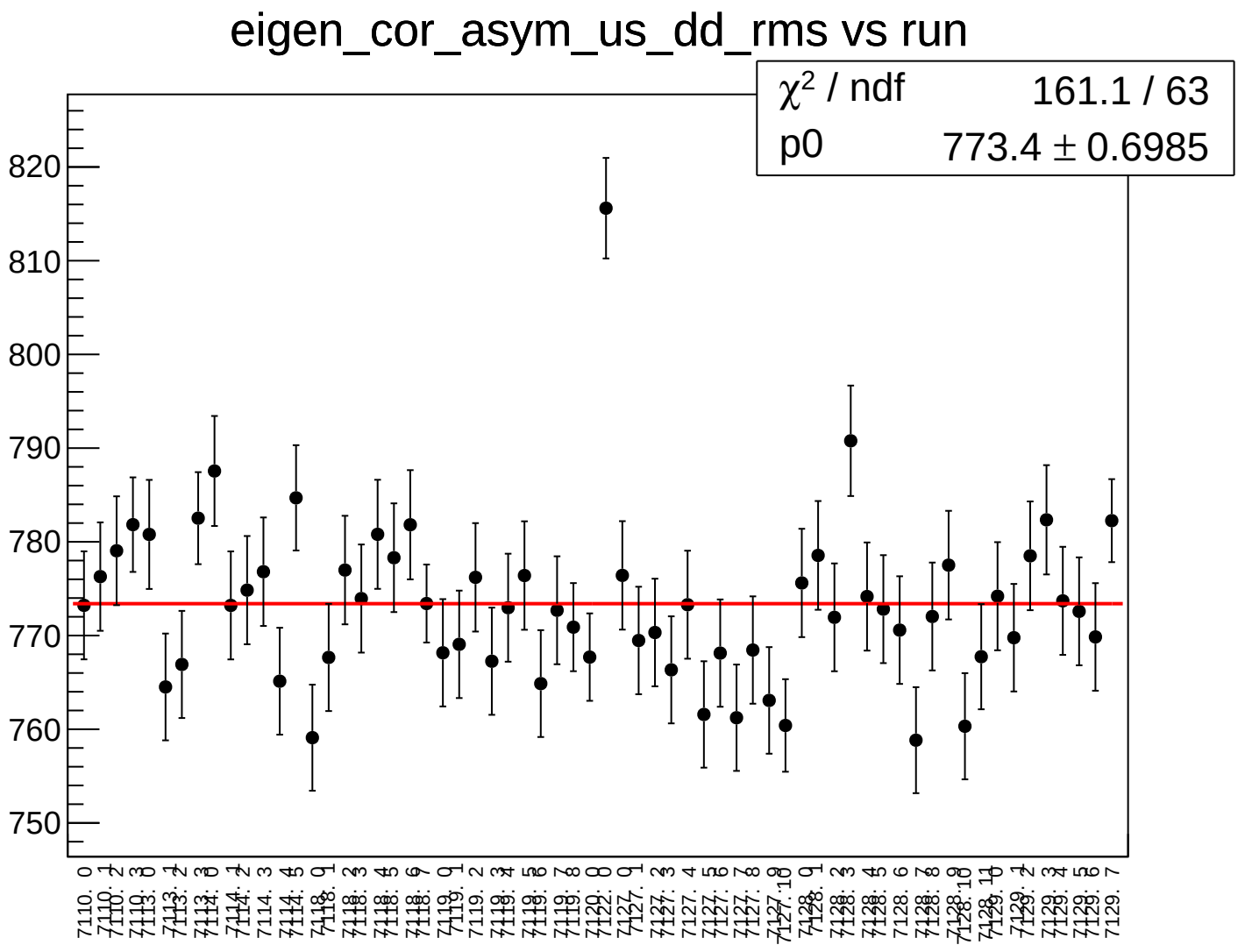

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 66.39 / 63
p0 −1303 ± 651.2
pull
Entries 64
Mean −1252
Std Dev 0

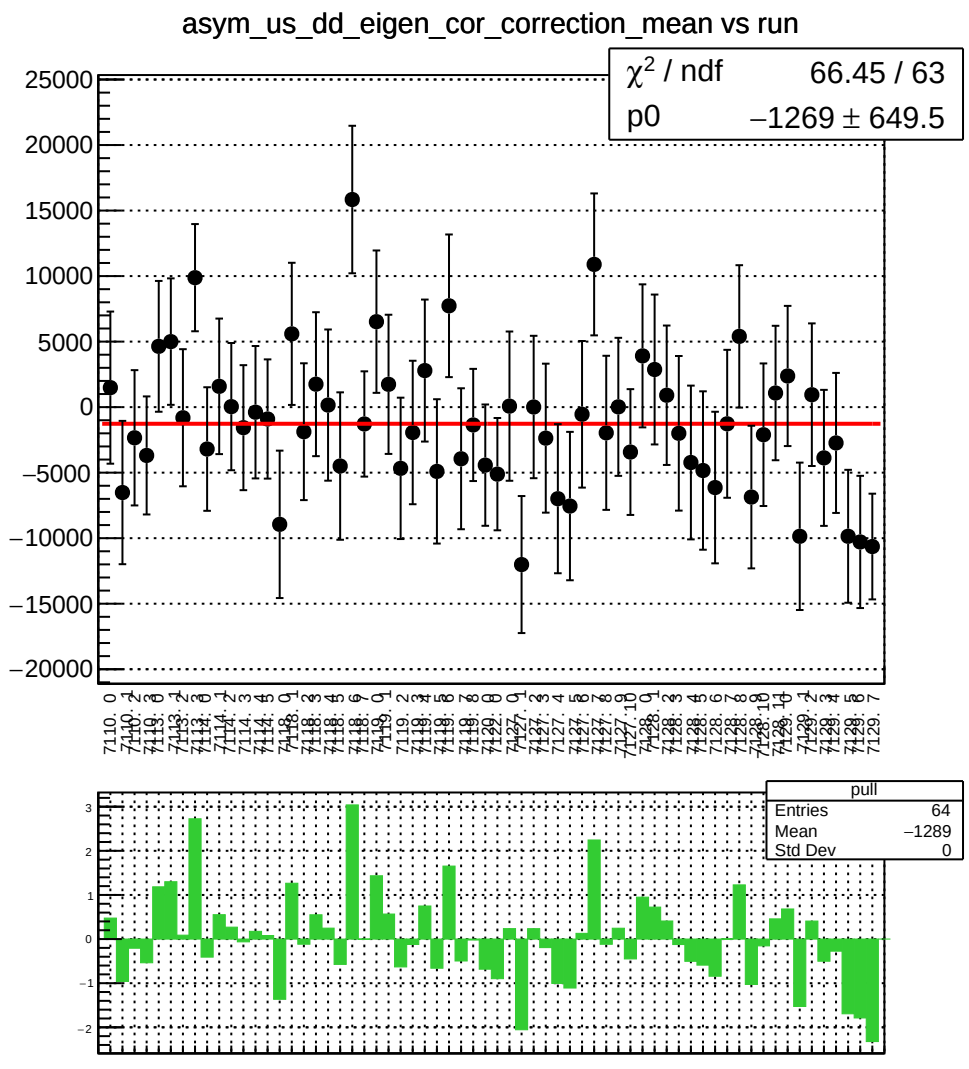

pull1D
Entries 64
Mean 0.004506
Std Dev 1.018

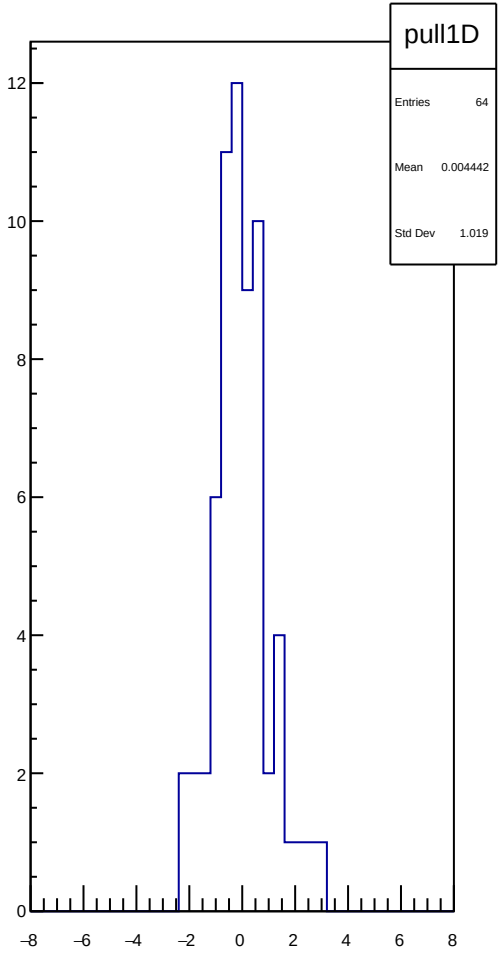

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 3932 / 63
p0 509.1 ± 0.4605
580
560
540
520
500
480
460
440

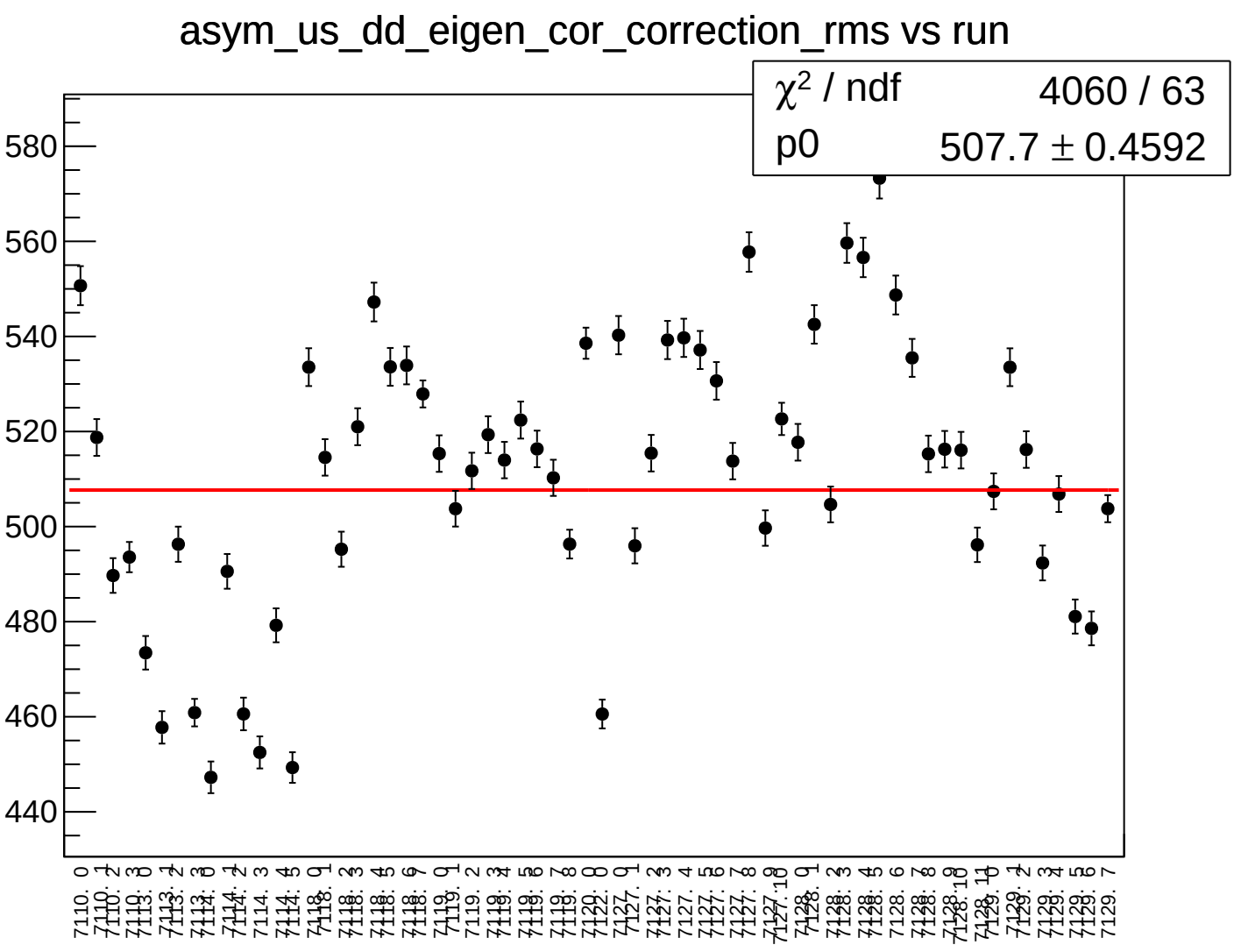

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 58.39 / 63
p0 −279.9 ± 987.8
pull
Entries 64
Mean 48.24
Std Dev 0

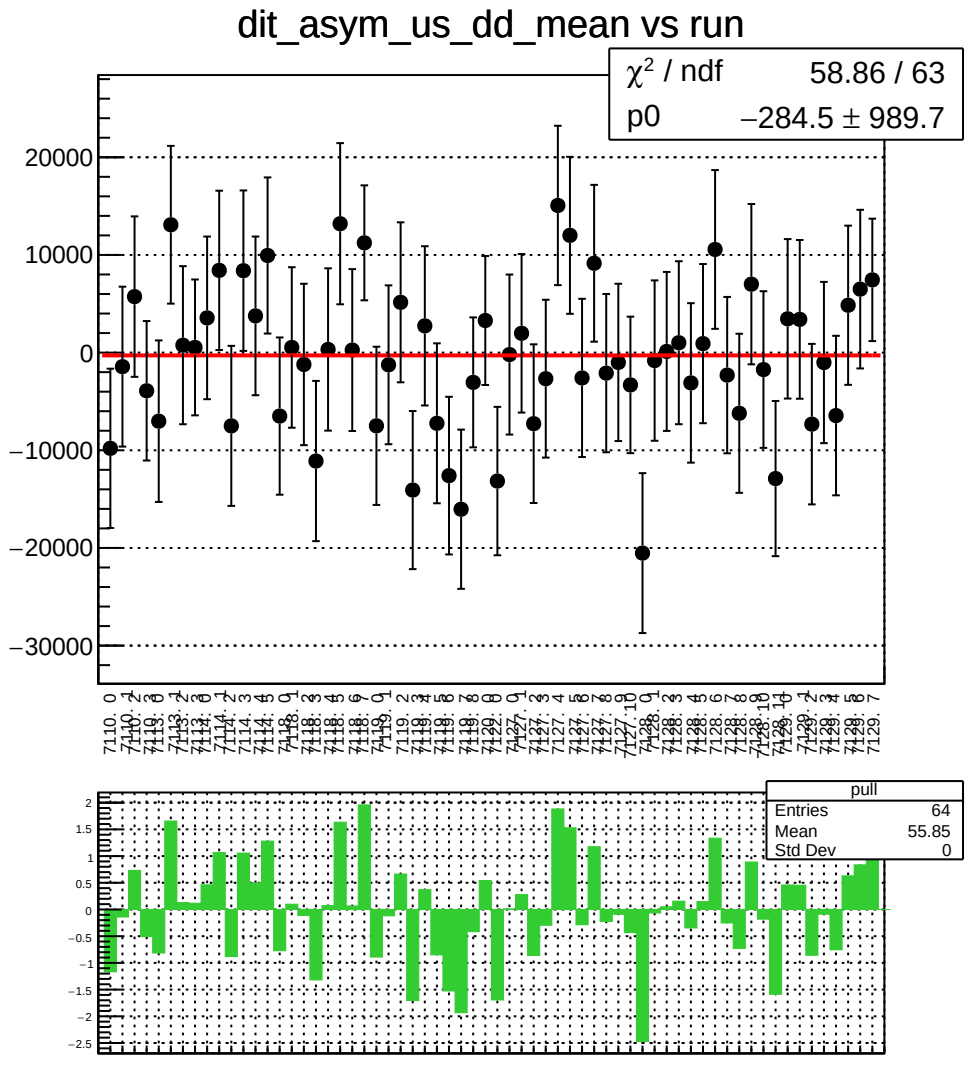

pull1D
Entries 64
Mean −0.01373
Std Dev 0.9551

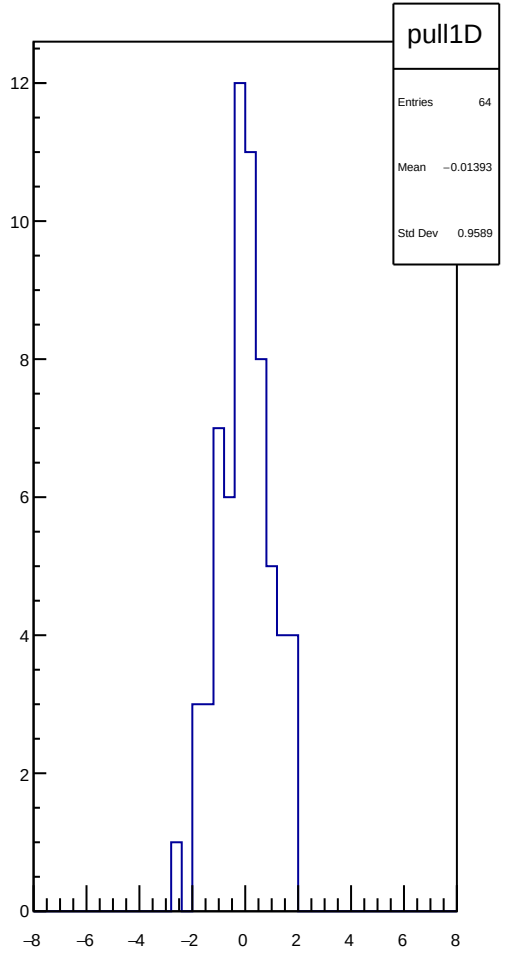

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 161.1 / 63
p0 773.4 ± 0.6985
820
810
800
790
780
770
760
750

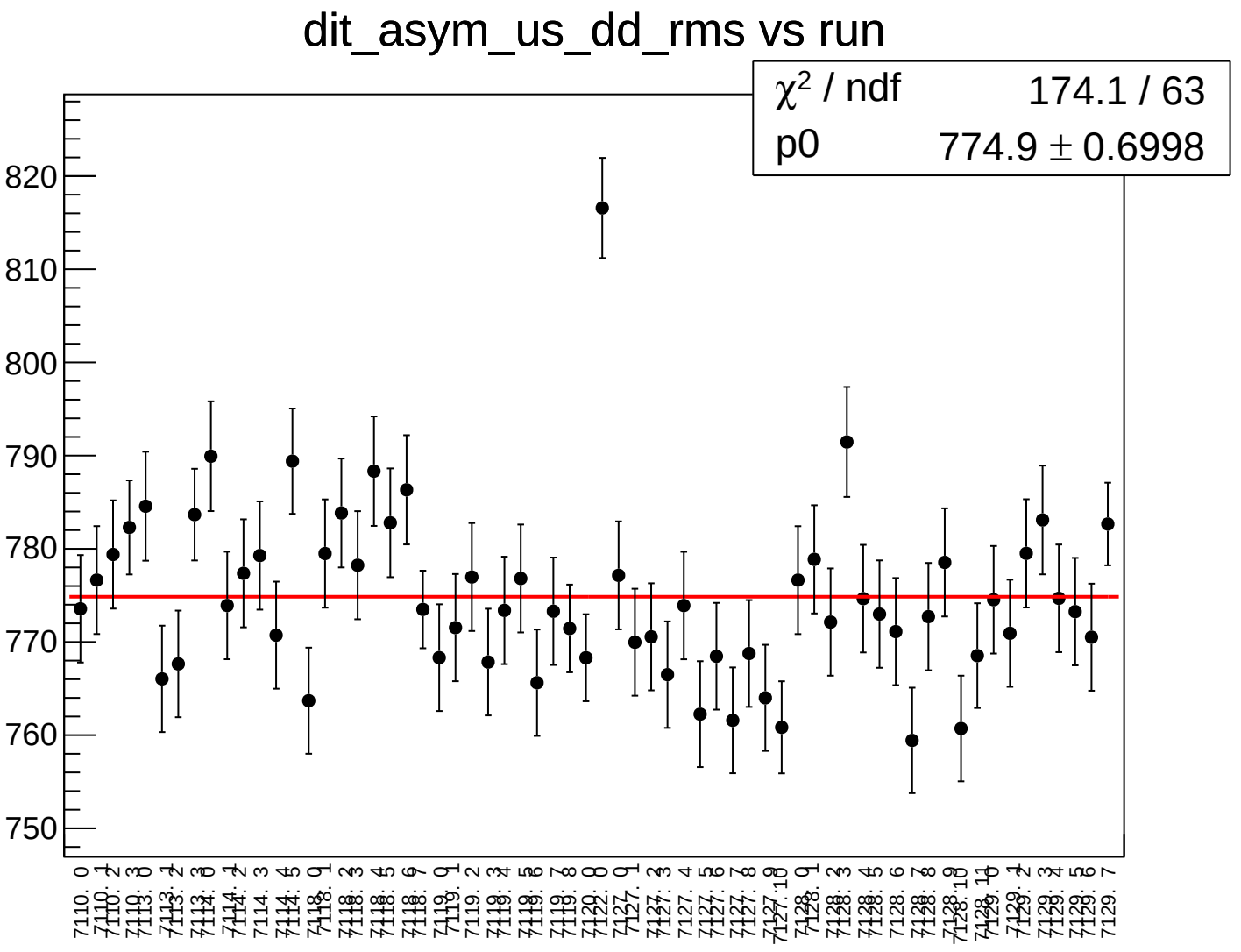

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.45 / 63
p0 −1269 ± 649.5
pull
Entries 64
Mean −1289
Std Dev 0

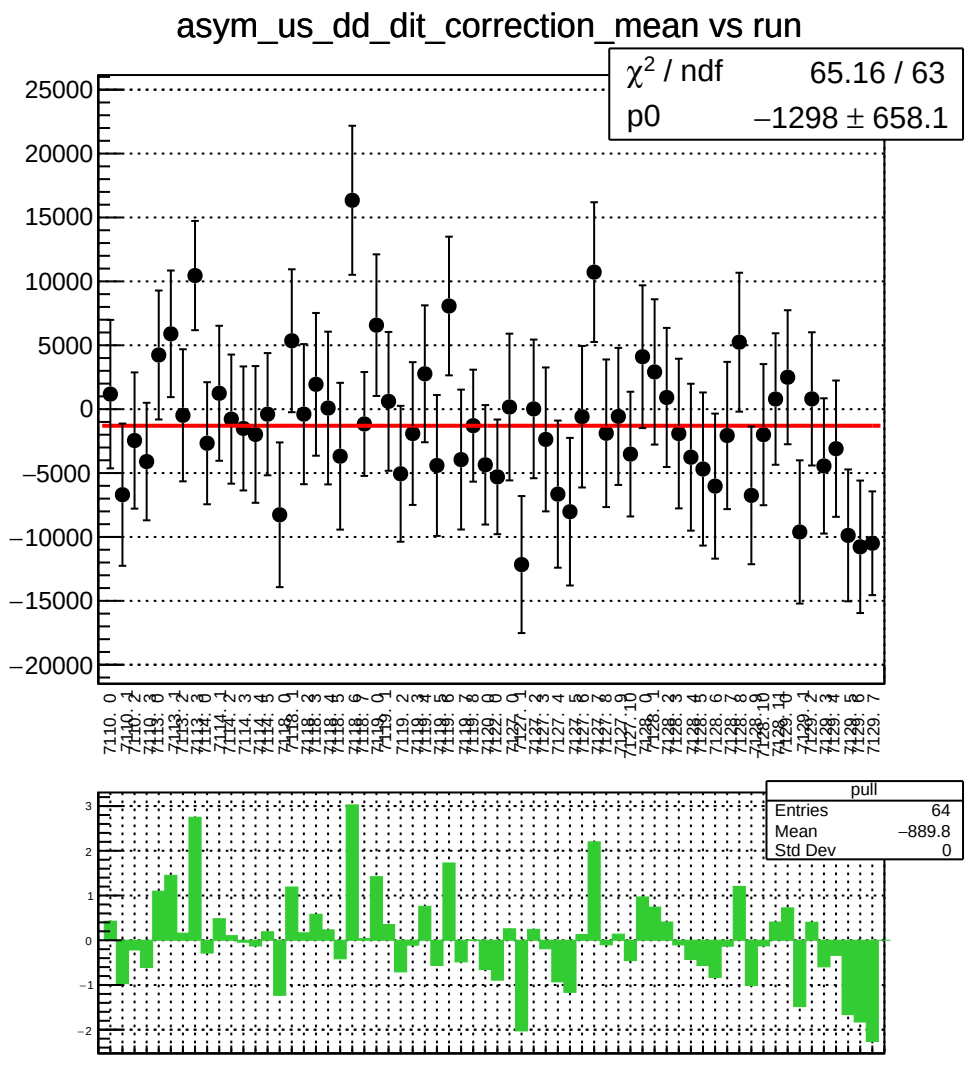

pull1D
Entries 64
Mean 0.004442
Std Dev 1.019

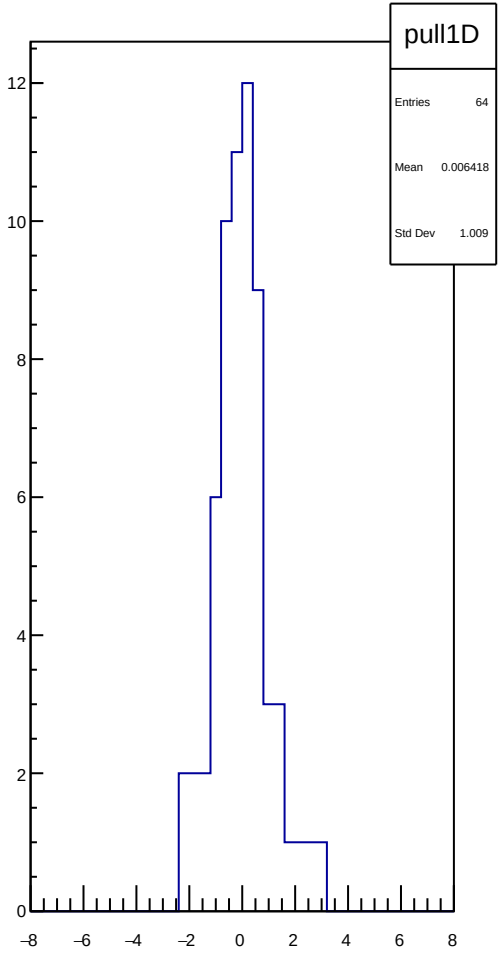

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 4060 / 63
p0 507.7 ± 0.4592
580
560
540
520
500
480
460
440

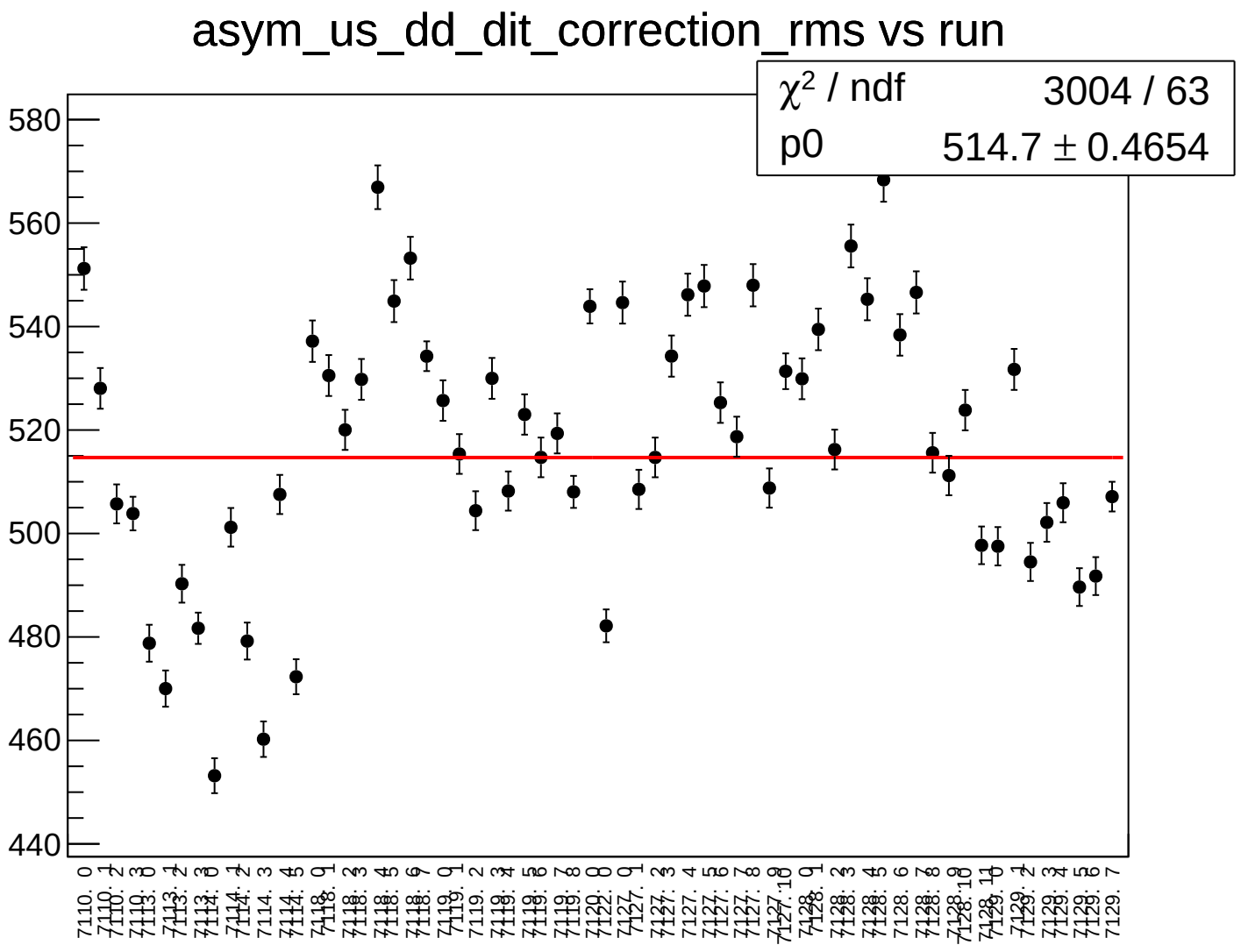

dit_asym_us_dd_mean vs run
χ² / ndf 58.86 / 63
p0 −284.5 ± 989.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 55.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

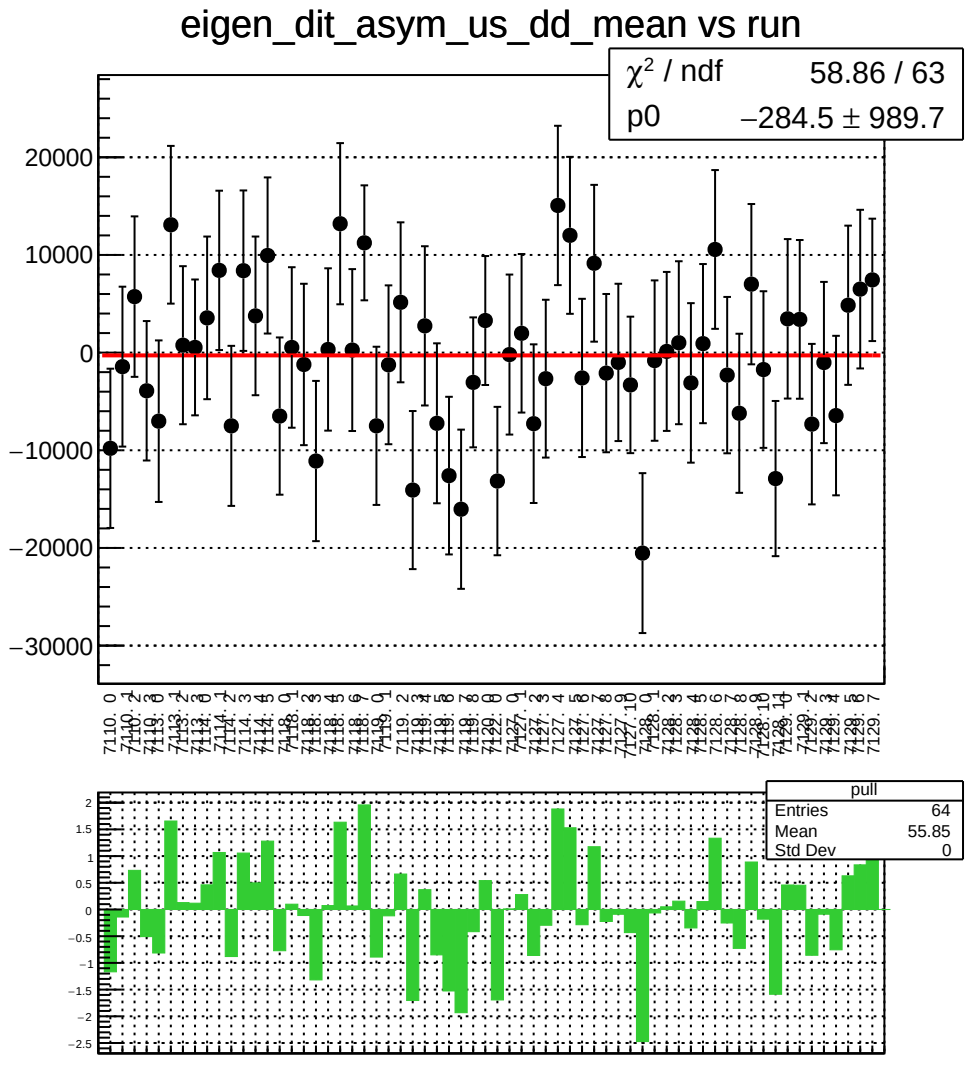

pull1D
Entries 64
Mean −0.01393
Std Dev 0.9589
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

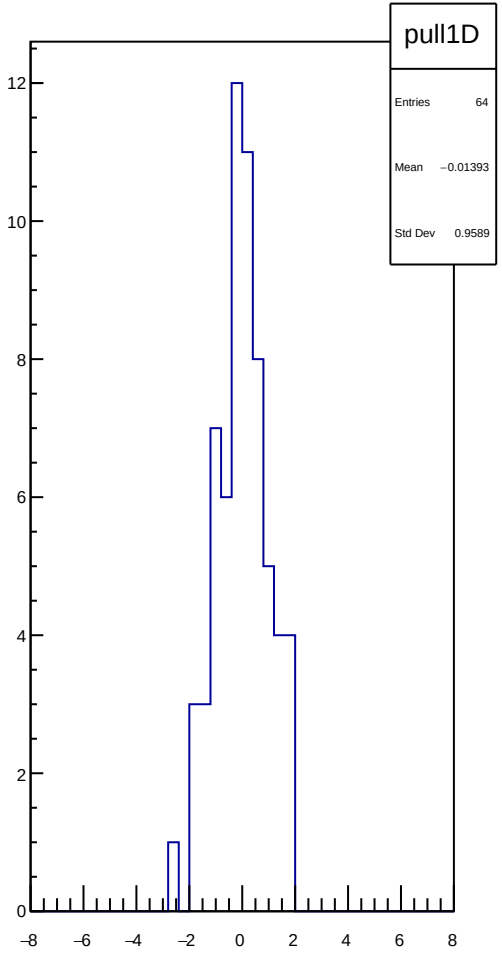

dit_asym_us_dd_rms vs run
χ² / ndf 174.1 / 63
p0 774.9 ± 0.6998
820
810
800
790
780
770
760
750

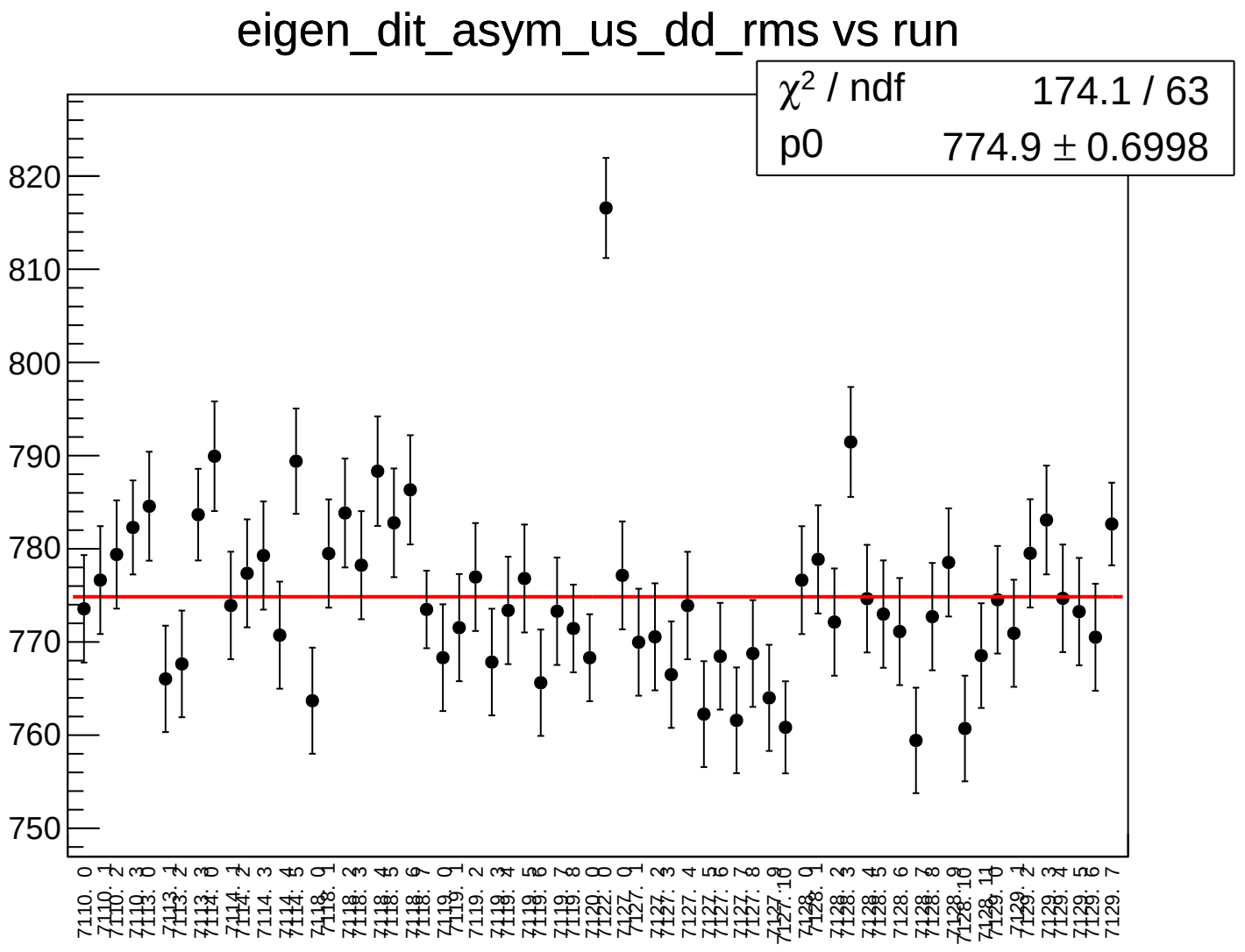

asym_us_dd_dit_correction_mean vs run
χ² / ndf 65.16 / 63
p0 −1298 ± 658.1
pull
Entries 64
Mean −889.8
Std Dev 0

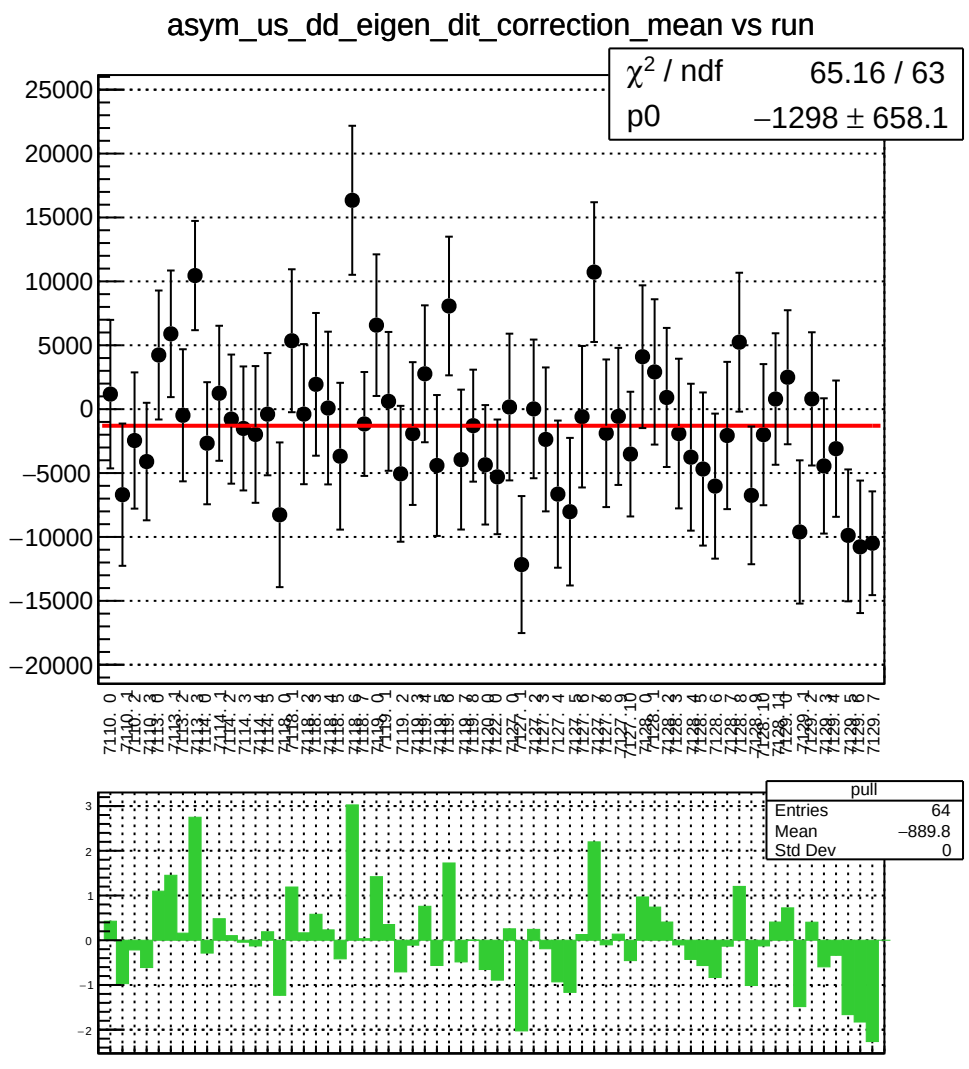

pull1D
Entries 64
Mean 0.006418
Std Dev 1.009

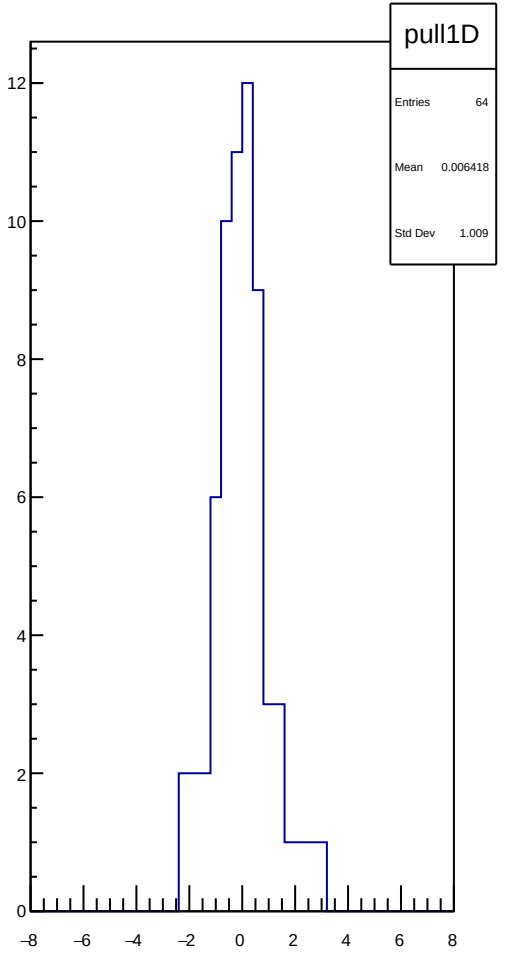

asym_us_dd_dit_correction_rms vs run
χ² / ndf 3004 / 63
p0 514.7 ± 0.4654
580
560
540
520
500
480
460
440

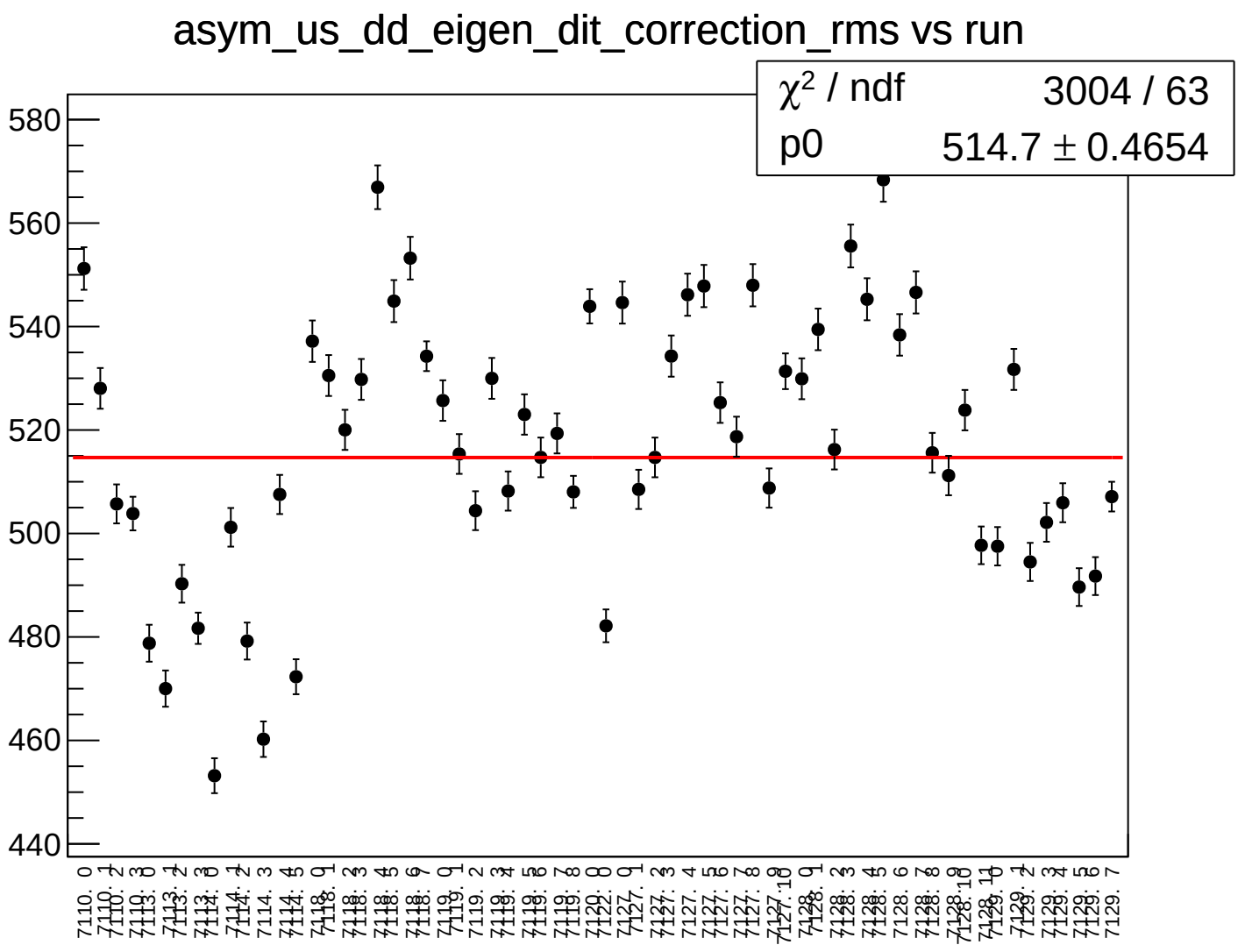

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 58.86 / 63
p0 −284.5 ± 989.7
pull
Entries 64
Mean 55.85
Std Dev 0

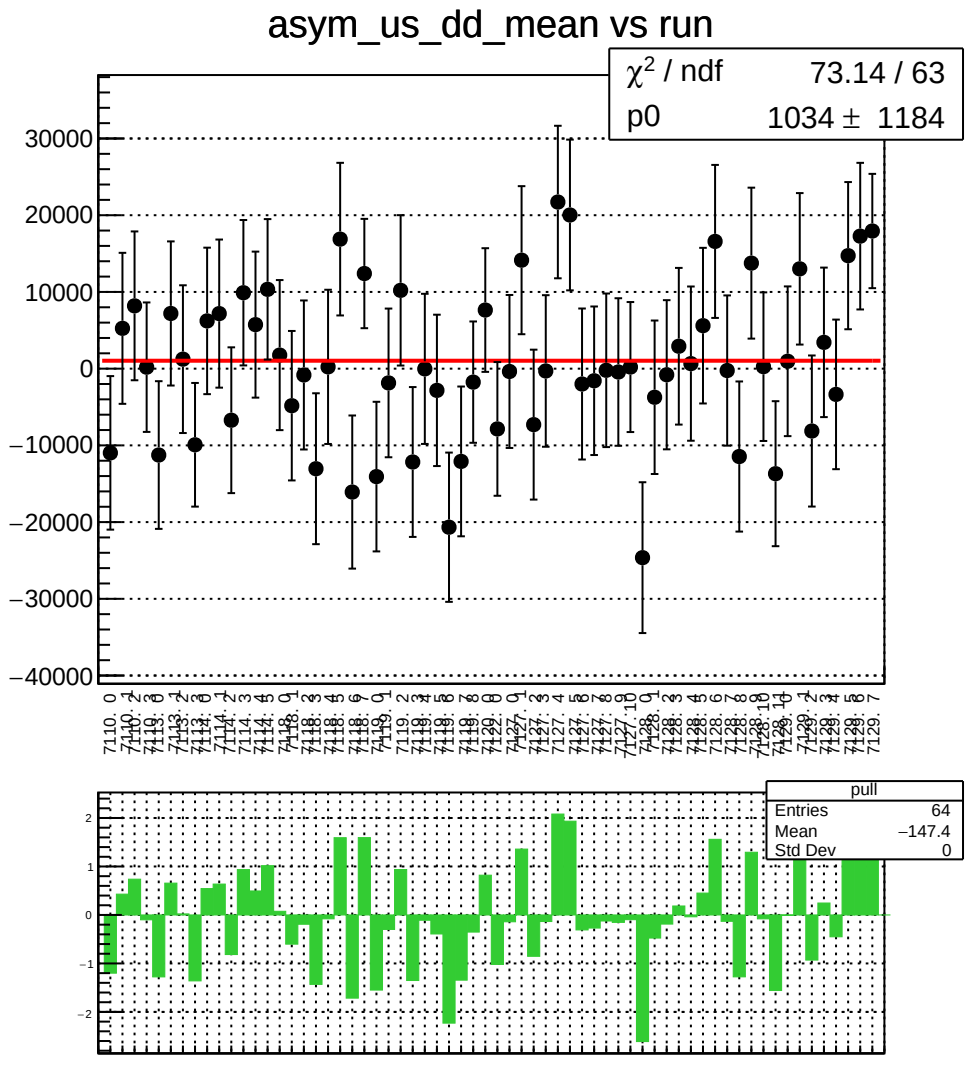

pull1D
Entries 64
Mean −0.01393
Std Dev 0.9589

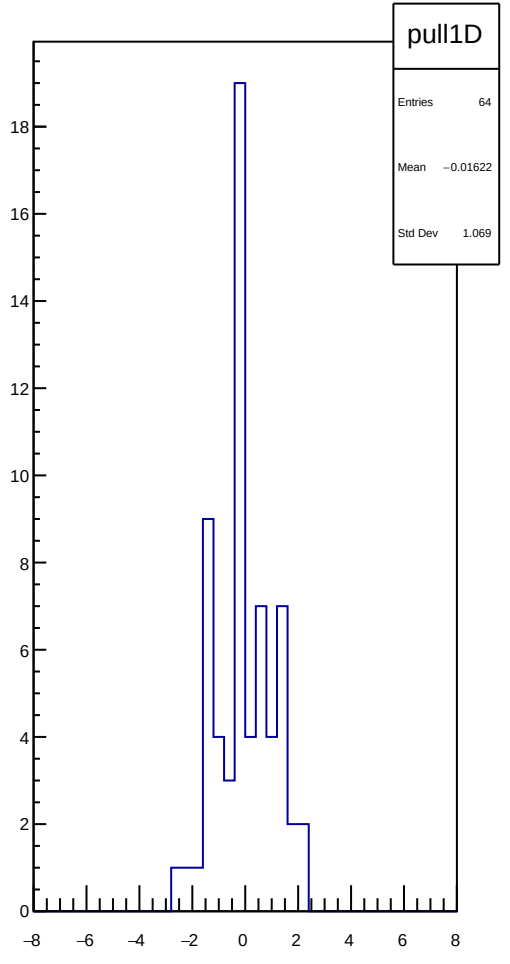

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 174.1 / 63
p0 774.9 ± 0.6998
820
810
800
790
780
770
760
750

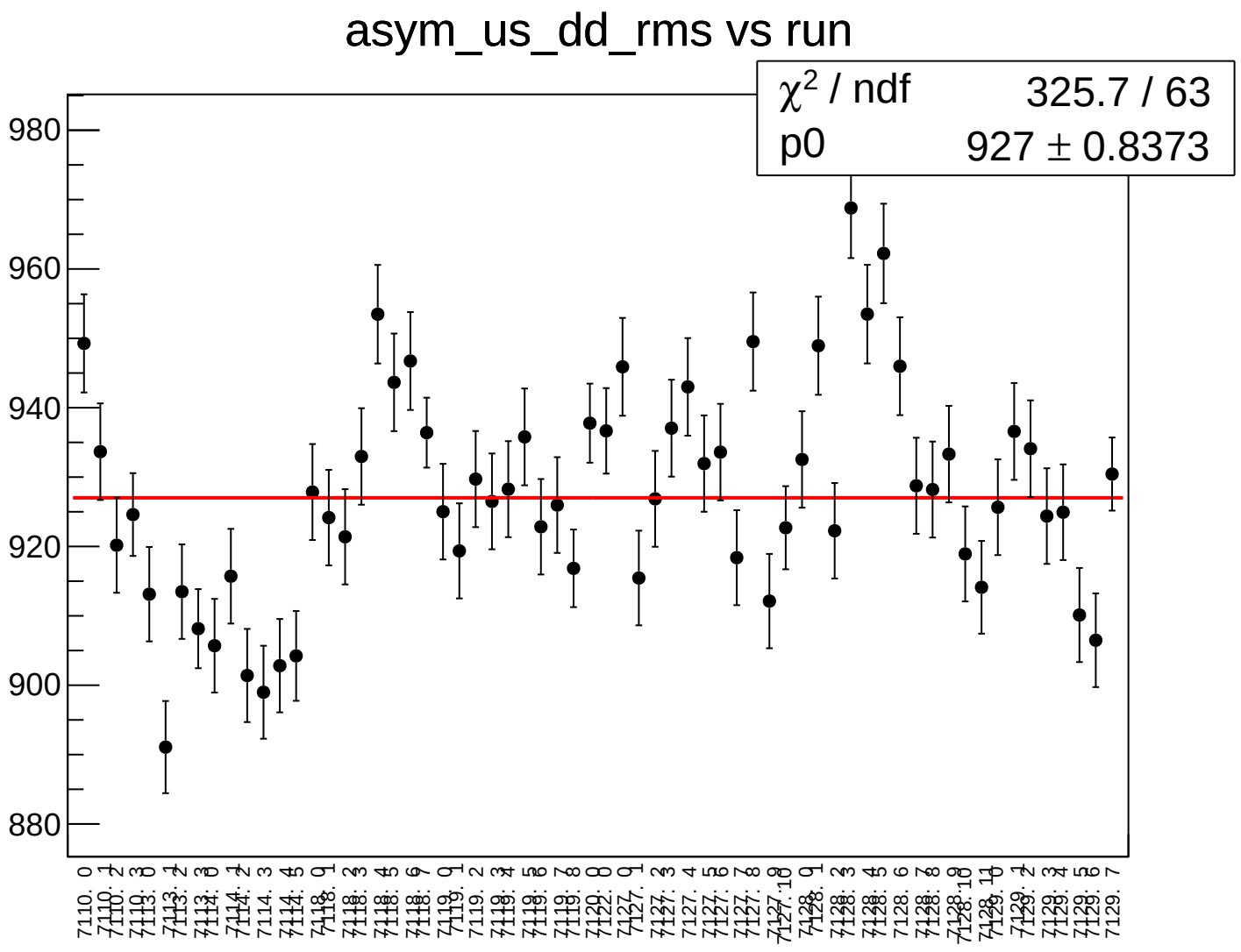

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.16 / 63
p0 −1298 ± 658.1
pull
Entries 64
Mean −889.8
Std Dev 0

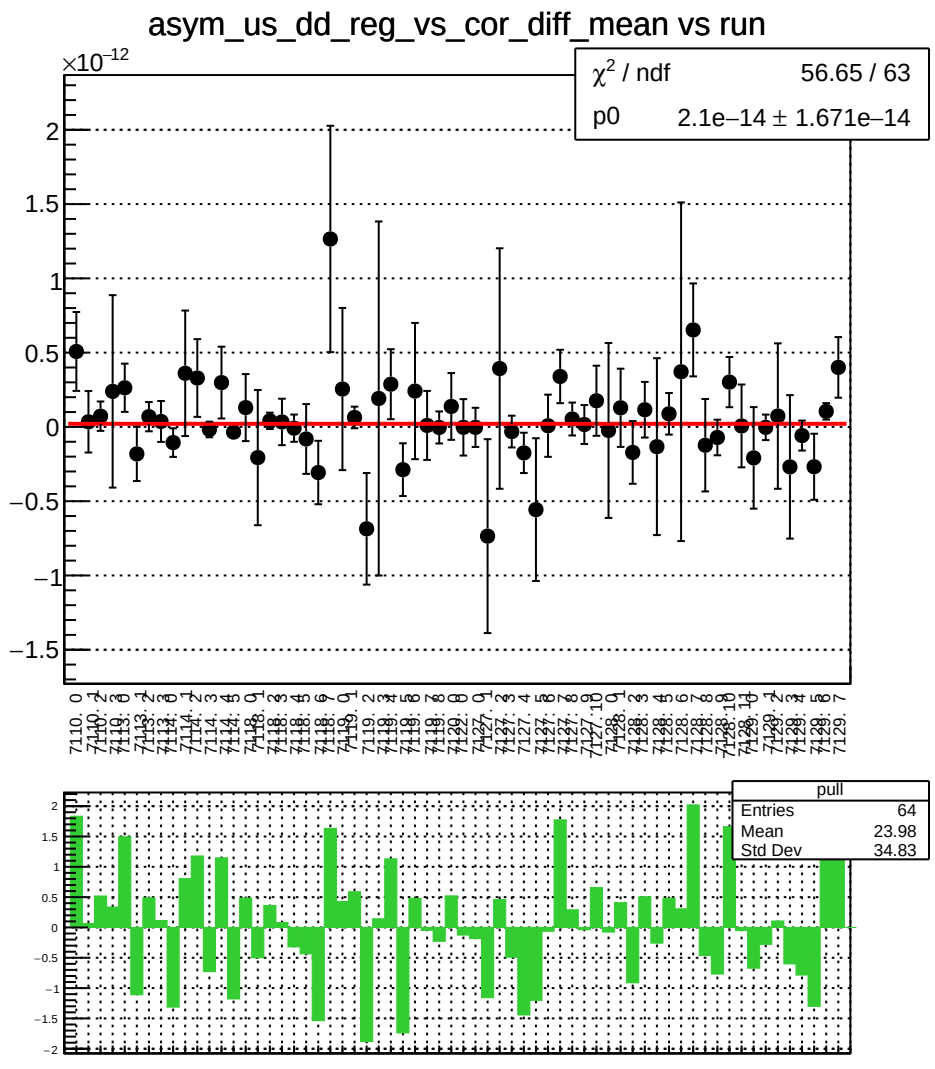

pull1D
Entries 64
Mean 0.006418
Std Dev 1.009

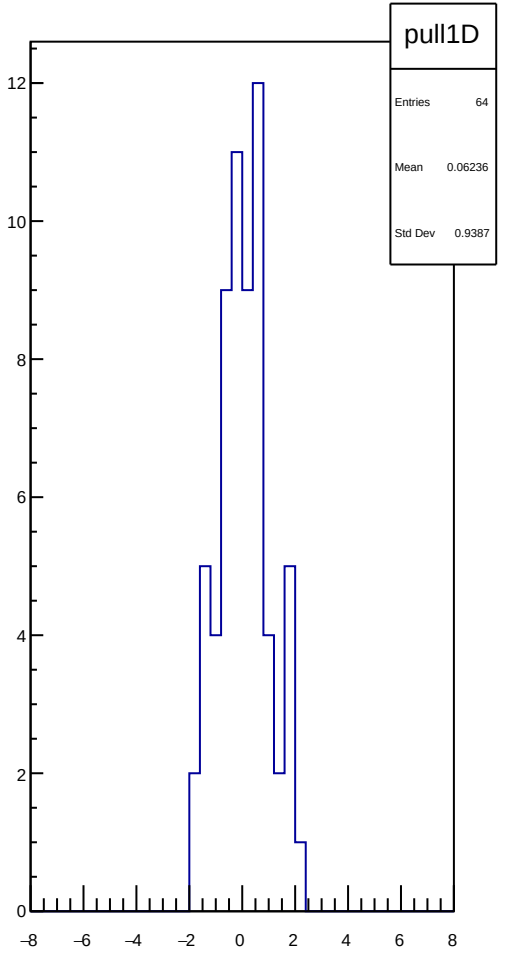

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 3004 / 63
p0 514.7 ± 0.4654
580
560
540
520
500
480
460
440

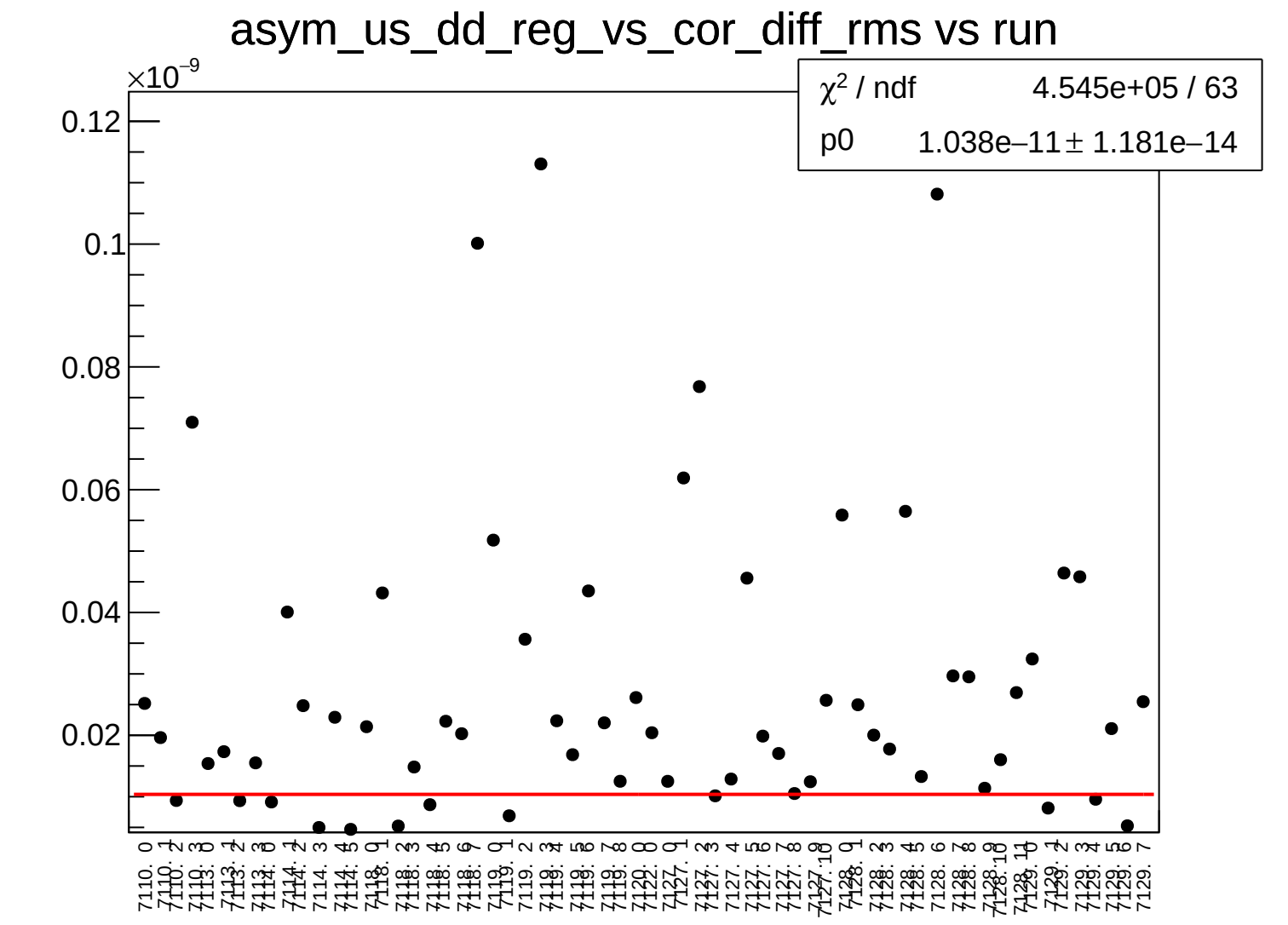

asym_us_dd_mean vs run
χ² / ndf 73.14 / 63
p0 1034 ± 1184
pull
Entries 64
Mean −147.4
Std Dev 0

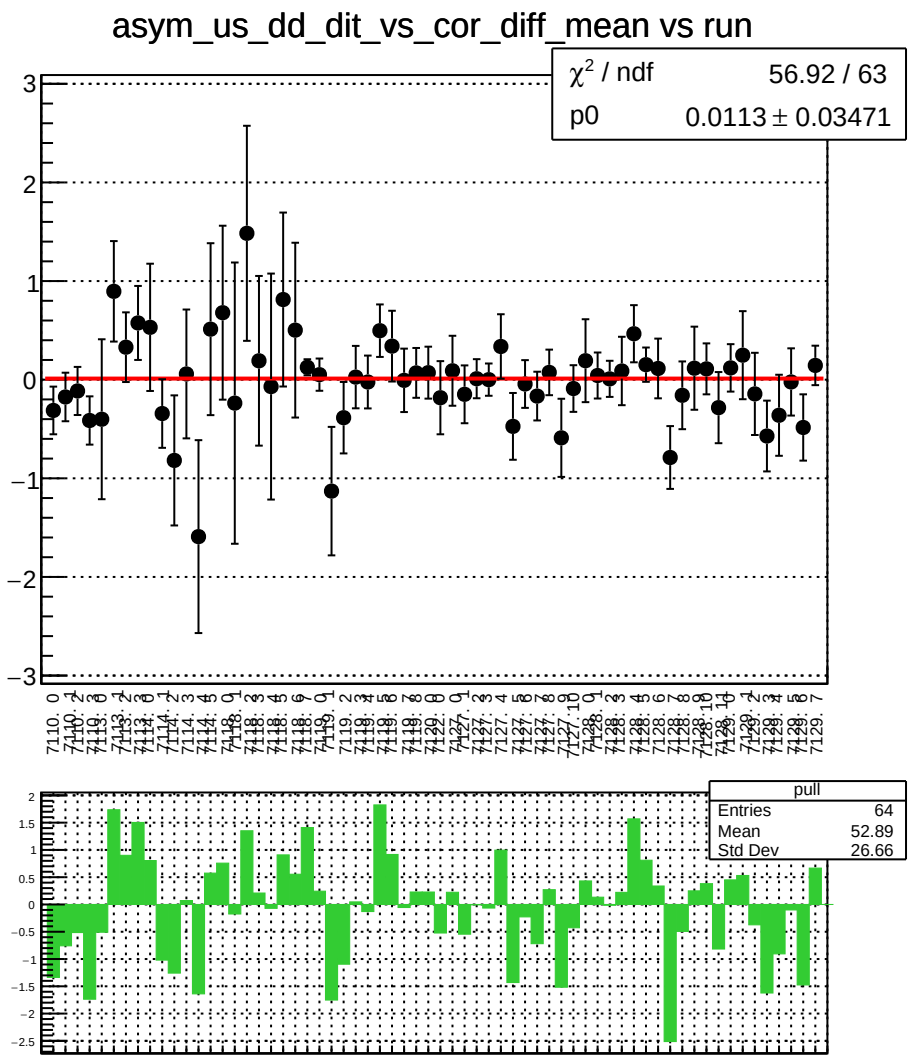

pull1D
Entries 64
Mean −0.01622
Std Dev 1.069

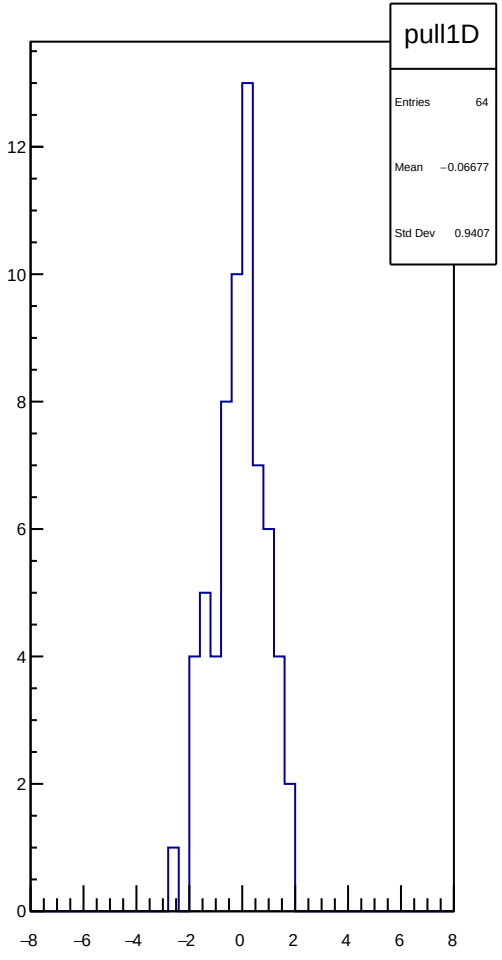

asym_us_dd_rms vs run
χ² / ndf 325.7 / 63
p0 927 ± 0.8373
980
960
940
920
900
880

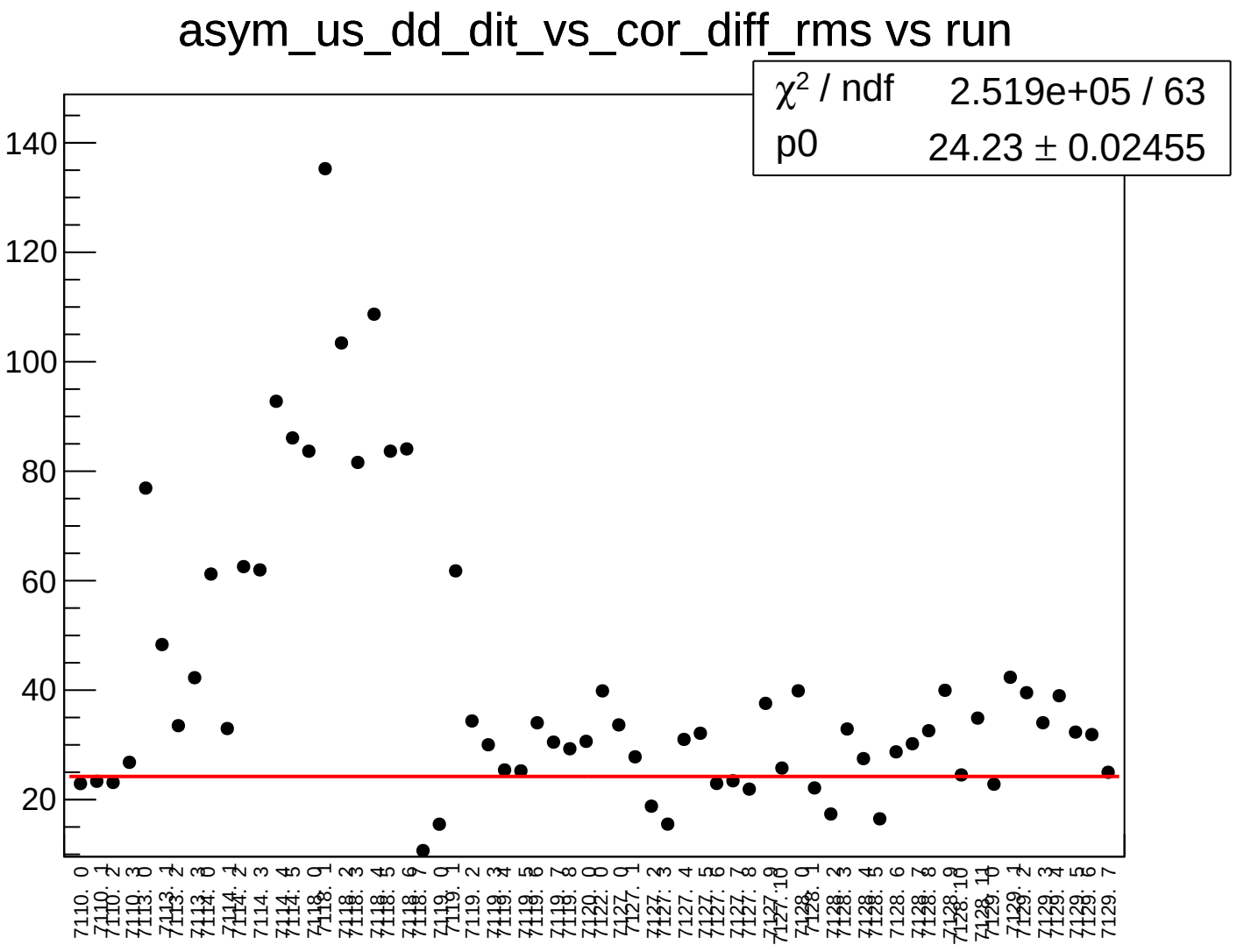

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.65 / 63
p0 2.1e−14 ± 1.671e−14
pull
Entries 64
Mean 23.98
Std Dev 34.83

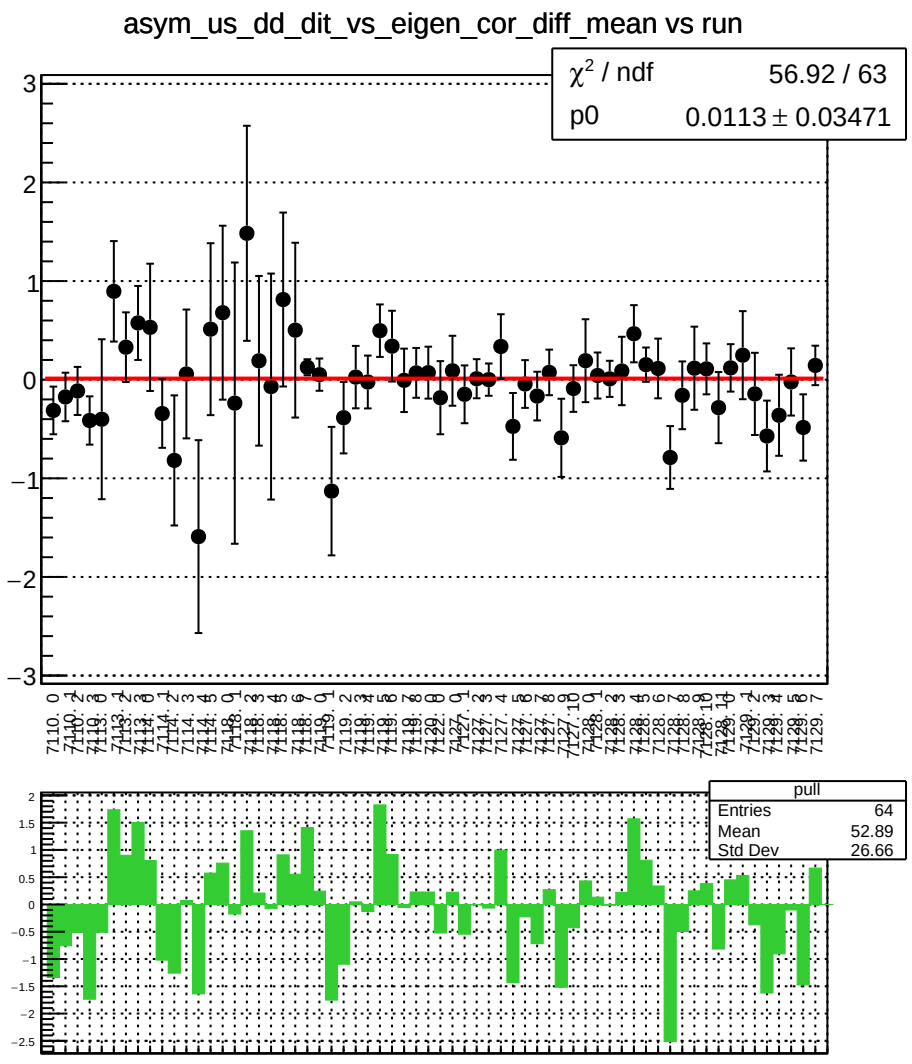

pull1D
Entries 64
Mean 0.06236
Std Dev 0.9387

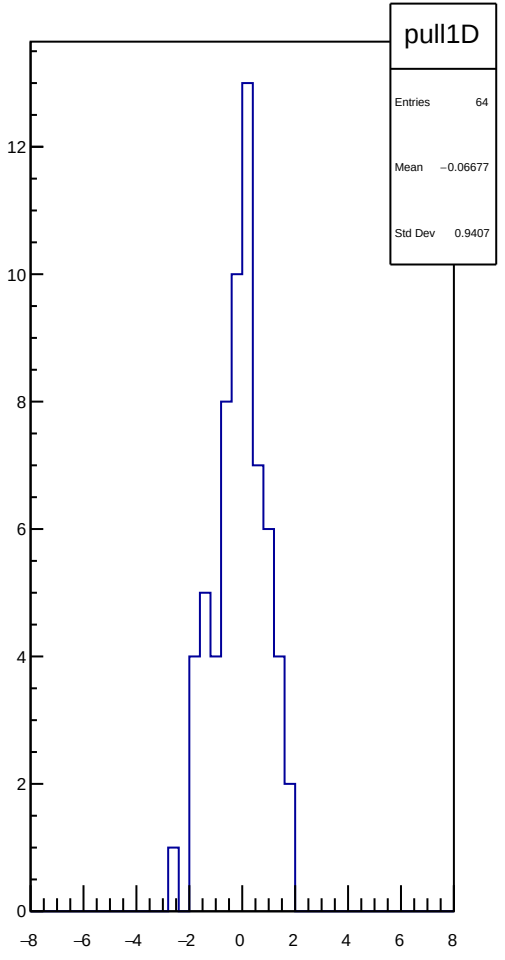

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.545e+05 / 63
p0 1.038e−11 ± 1.181e−14
0.12
0.1
0.08
0.06
0.04
0.02

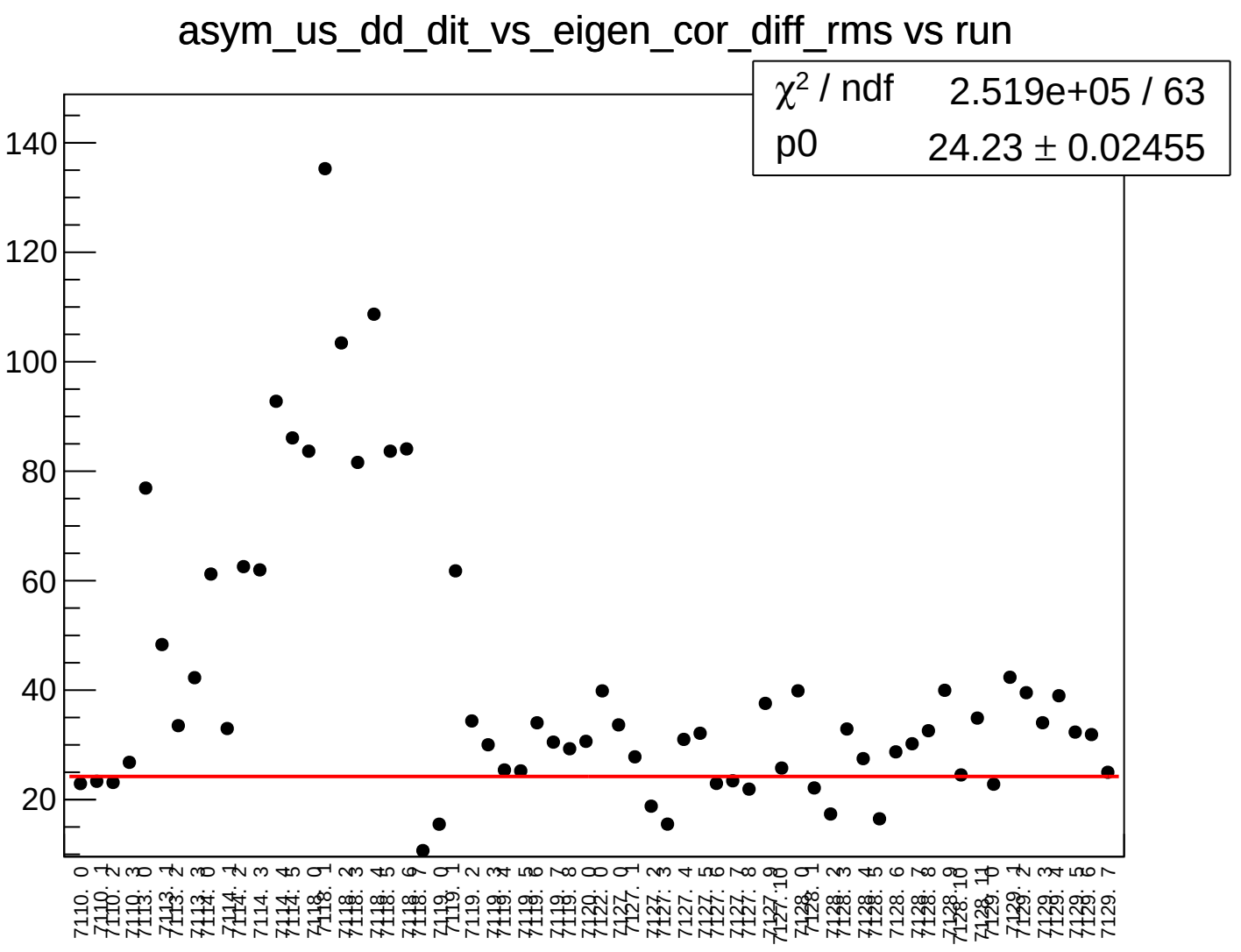

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.92 / 63
p0 0.0113 ± 0.03471
pull
Entries 64
Mean 52.89
Std Dev 26.66

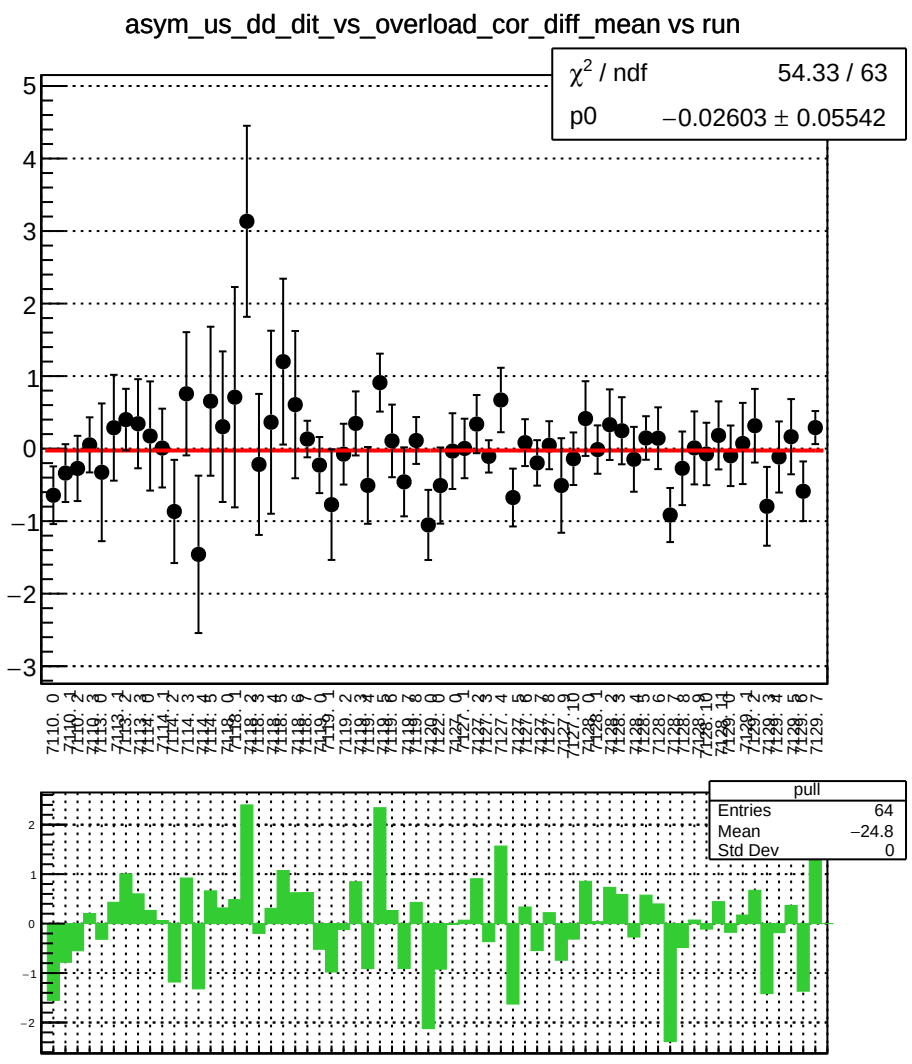

pull1D
Entries 64
Mean −0.06677
Std Dev 0.9407

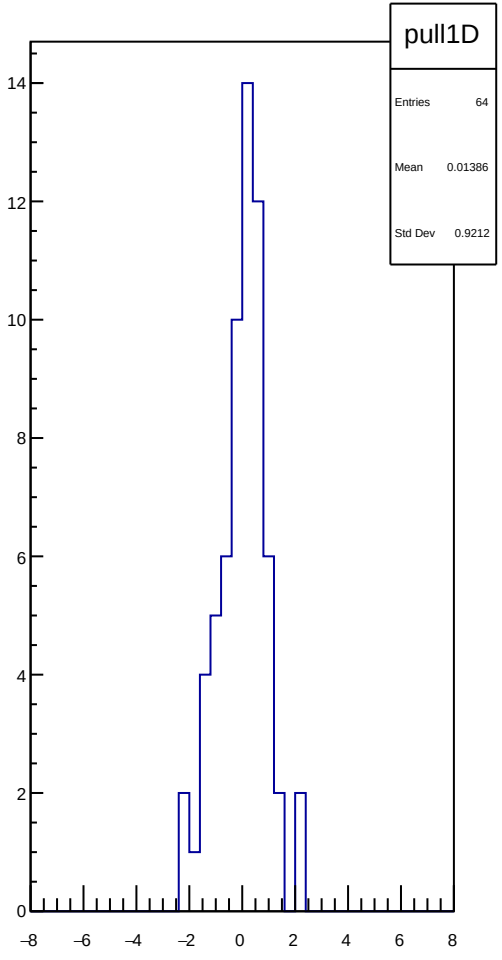

asym_us_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.519e+05 / 63
p0 24.23 ± 0.02455
140
120
100
80
60
40
20

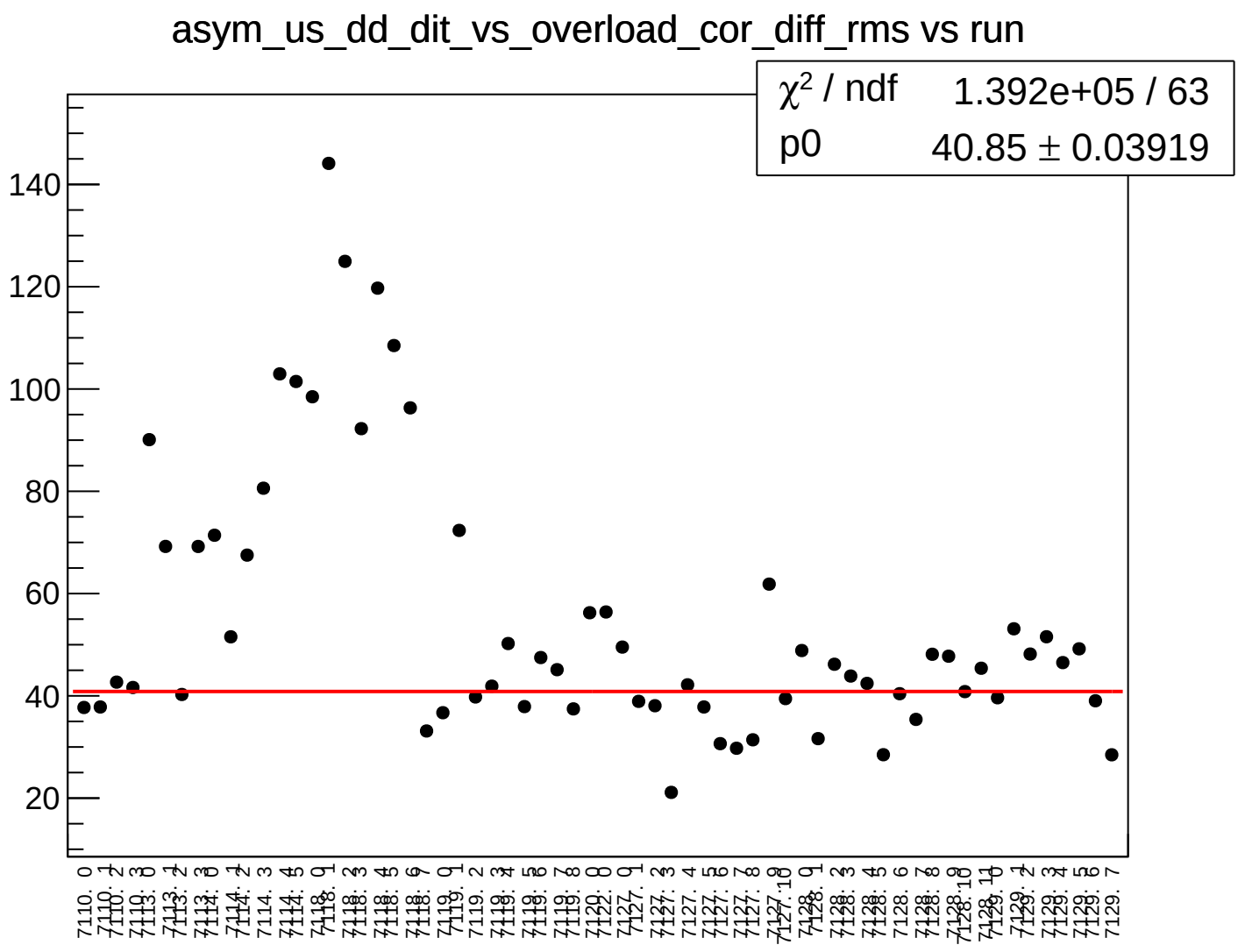

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.92 / 63
p0 0.0113 ± 0.03471
pull
Entries 64
Mean 52.89
Std Dev 26.66

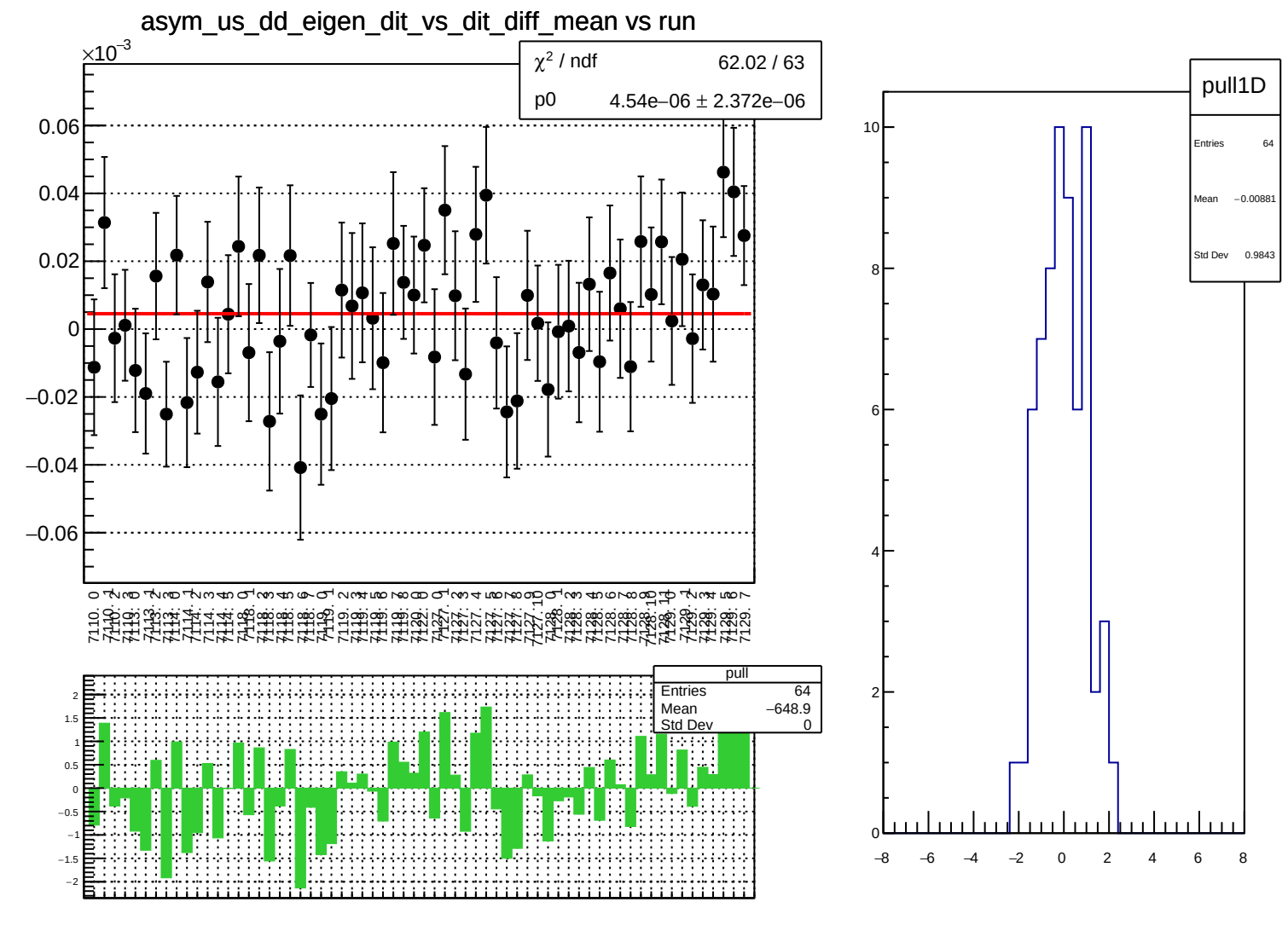

pull1D
Entries 64
Mean −0.06677
Std Dev 0.9407

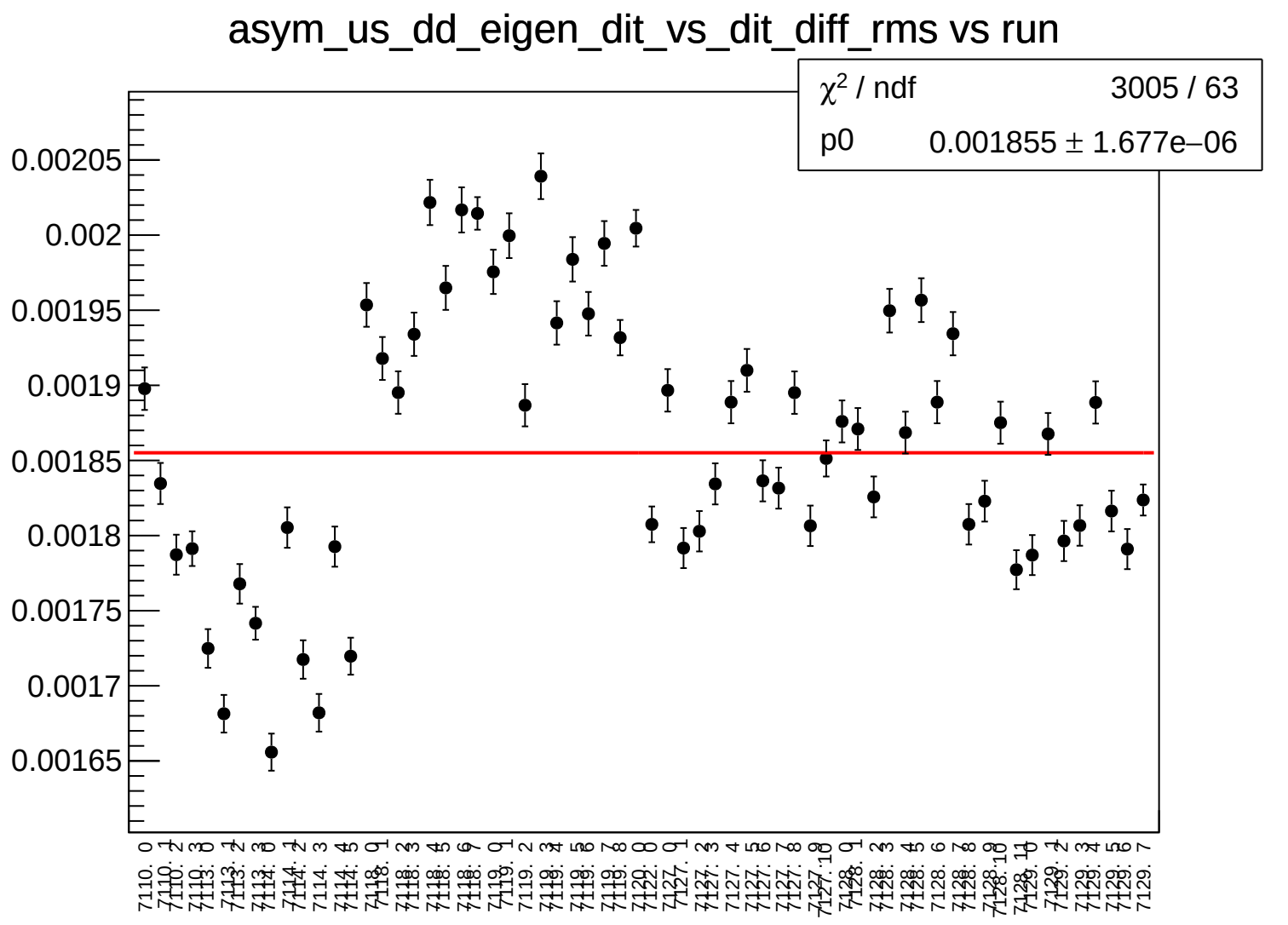

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.519e+05 / 63
p0 24.23 ± 0.02455
140
120
100
80
60
40
20

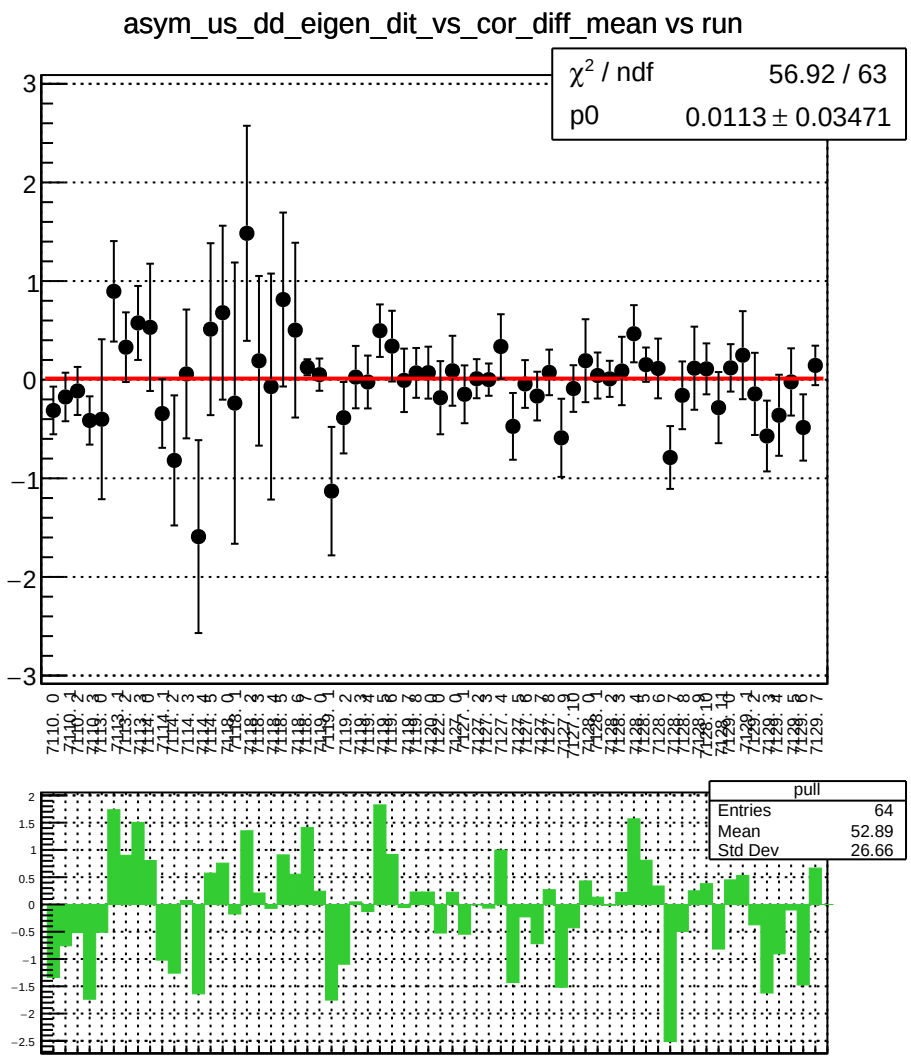

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 54.33 / 63
p0 −0.02603 ± 0.05542
pull
Entries 64
Mean −24.8
Std Dev 0

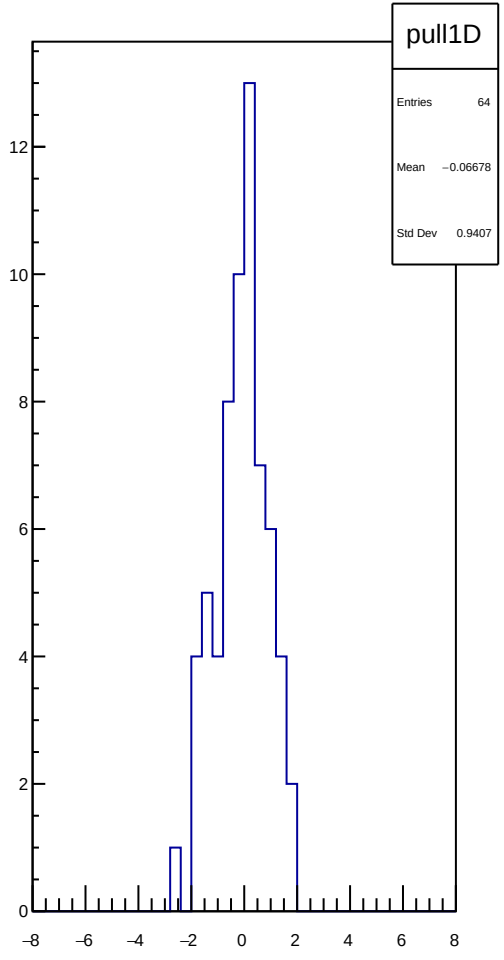

pull1D
Entries 64
Mean 0.01386
Std Dev 0.9212

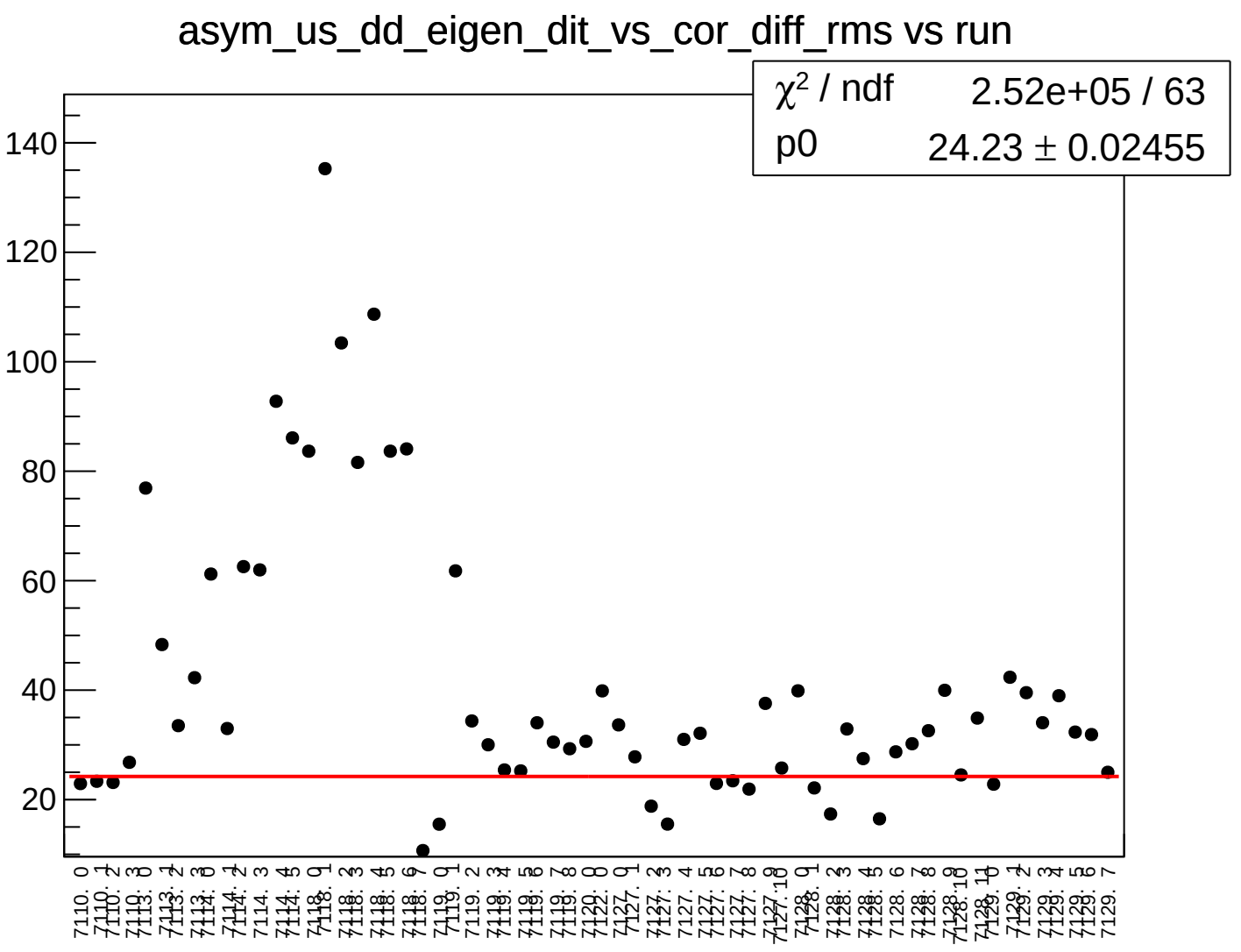

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.392e+05 / 63
p0 40.85 ± 0.03919
140
120
100
80
60
40
20


asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.02 / 63
p0 4.54e−06 ± 2.372e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean −648.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.00881
Std Dev 0.9843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

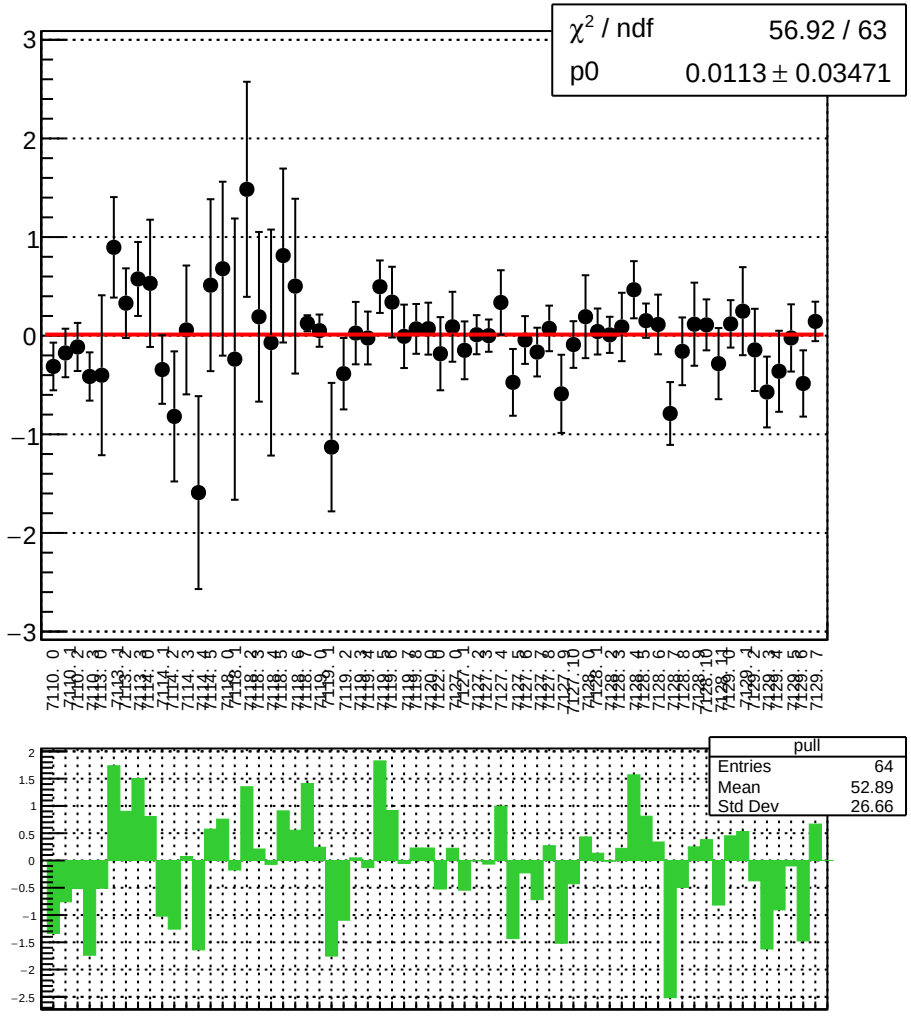

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3005 / 63
p0 0.001855 ± 1.677e−06
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017
0.00165

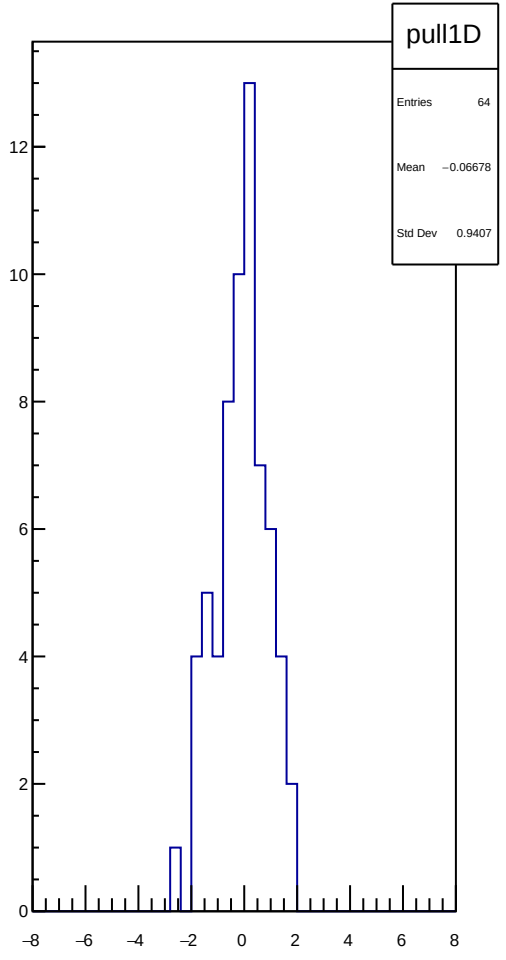

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.92 / 63
p0 0.0113 ± 0.03471
pull
Entries 64
Mean 52.89
Std Dev 26.66

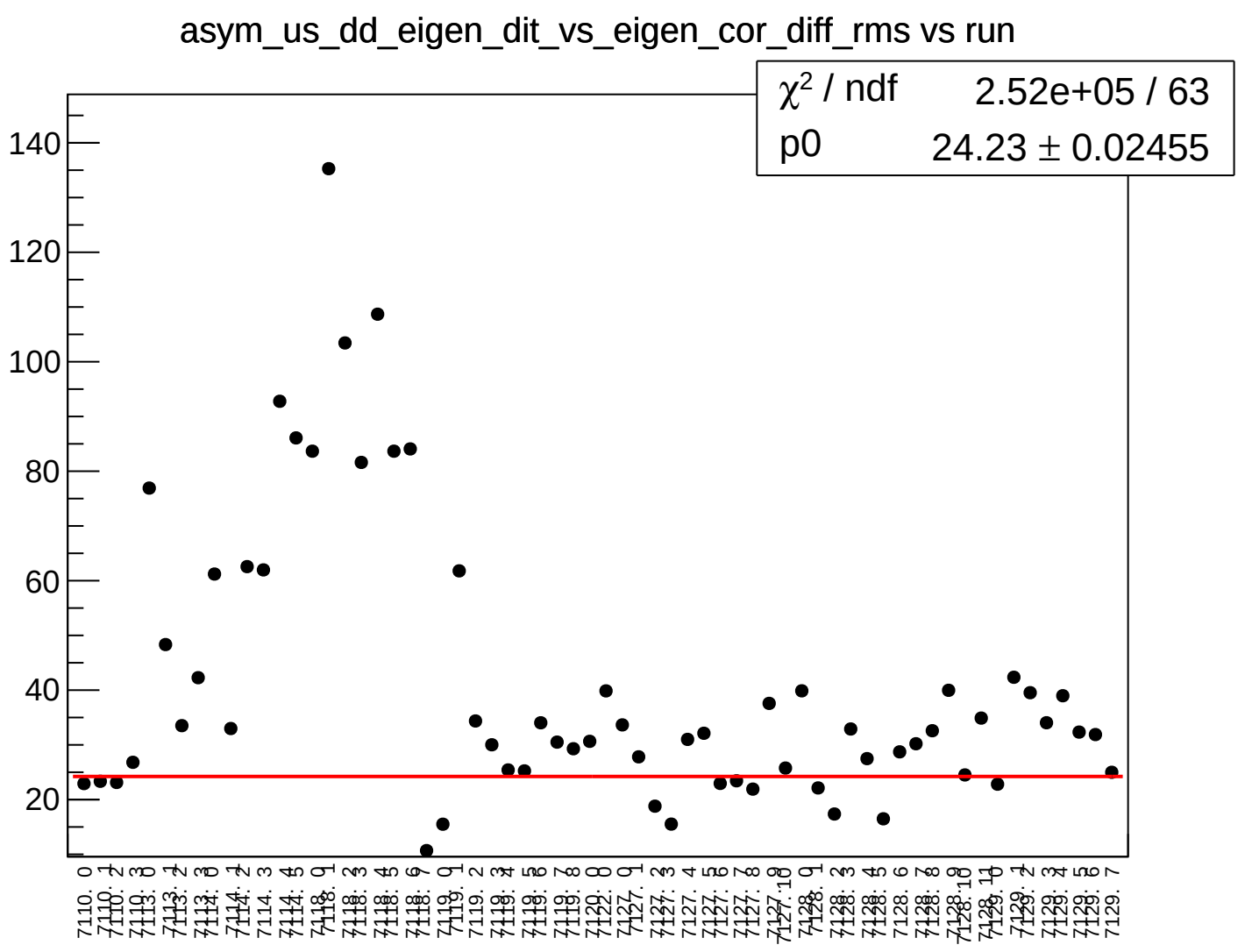

pull1D
Entries 64
Mean −0.06678
Std Dev 0.9407

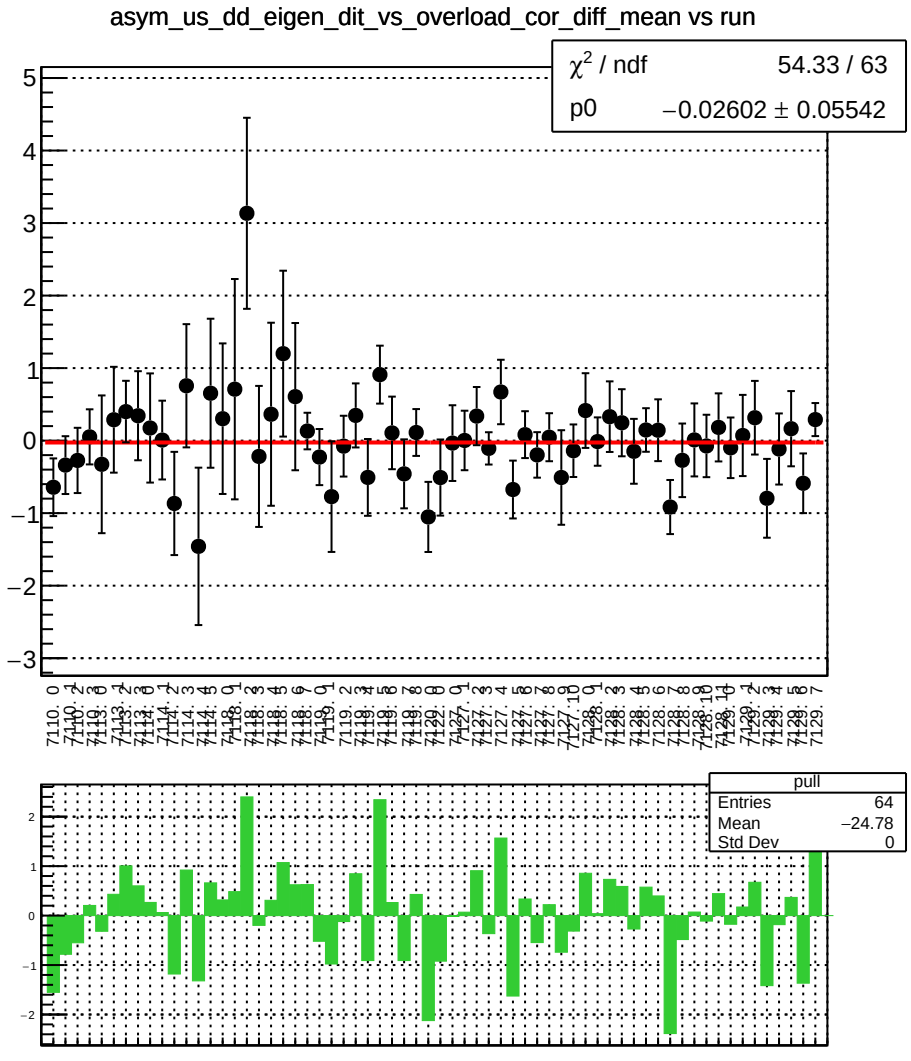

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.52e+05 / 63
p0 24.23 ± 0.02455
140
120
100
80
60
40
20

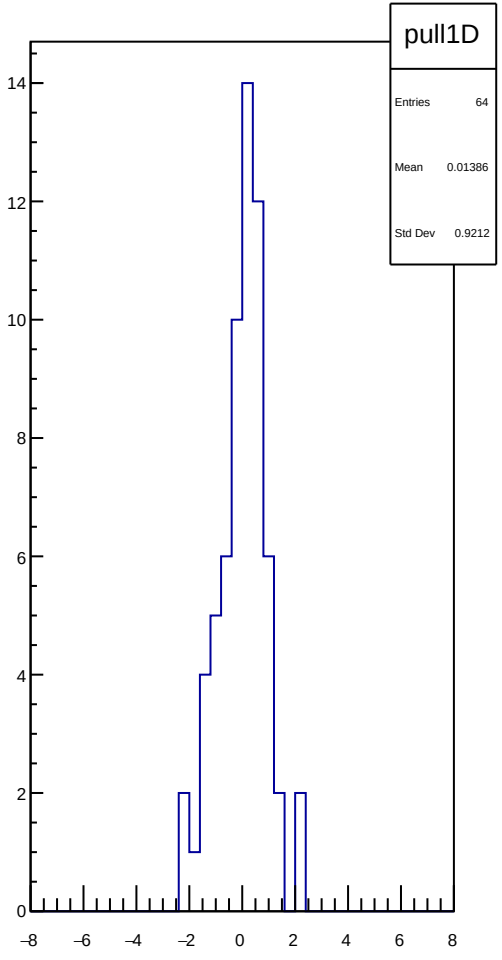
asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

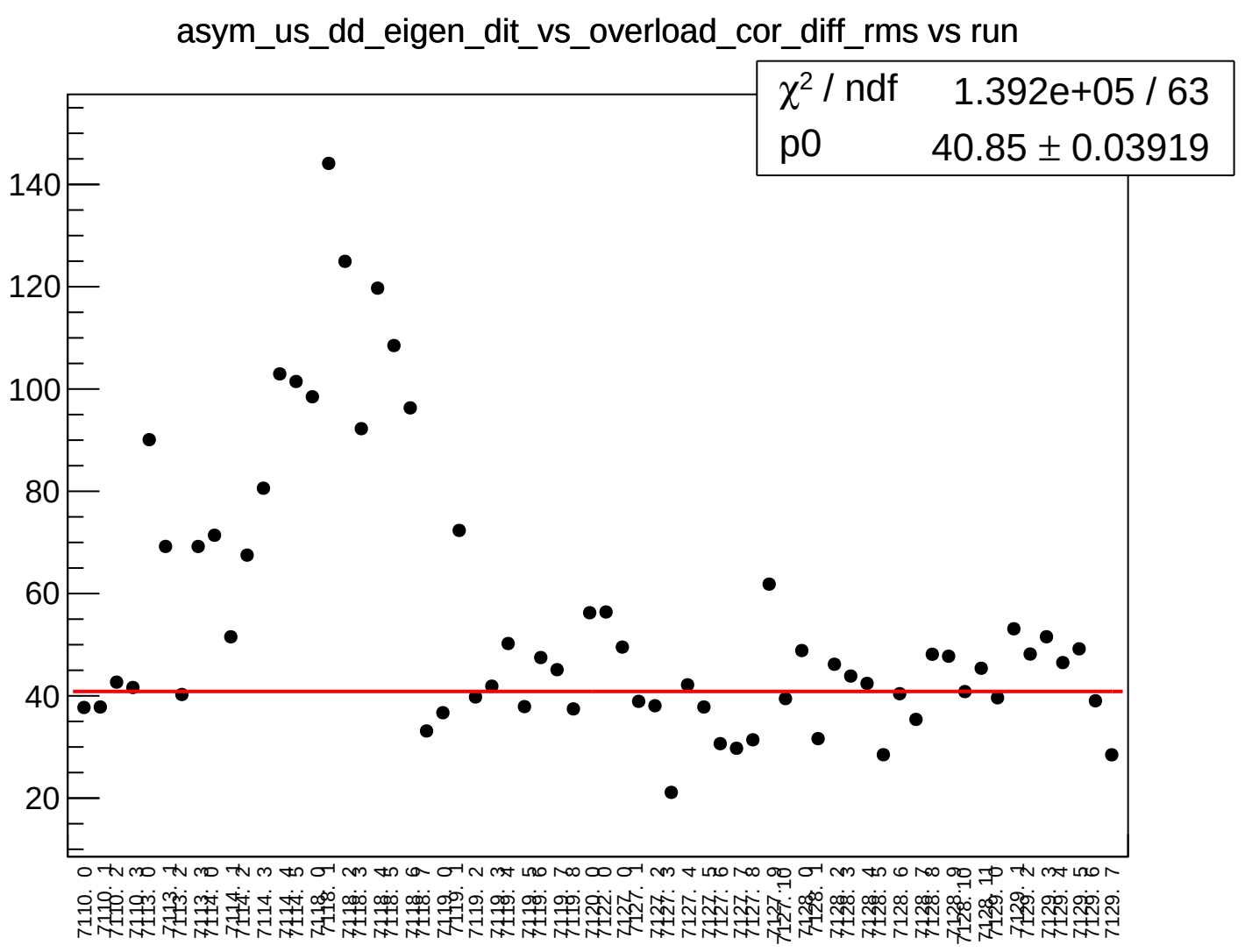


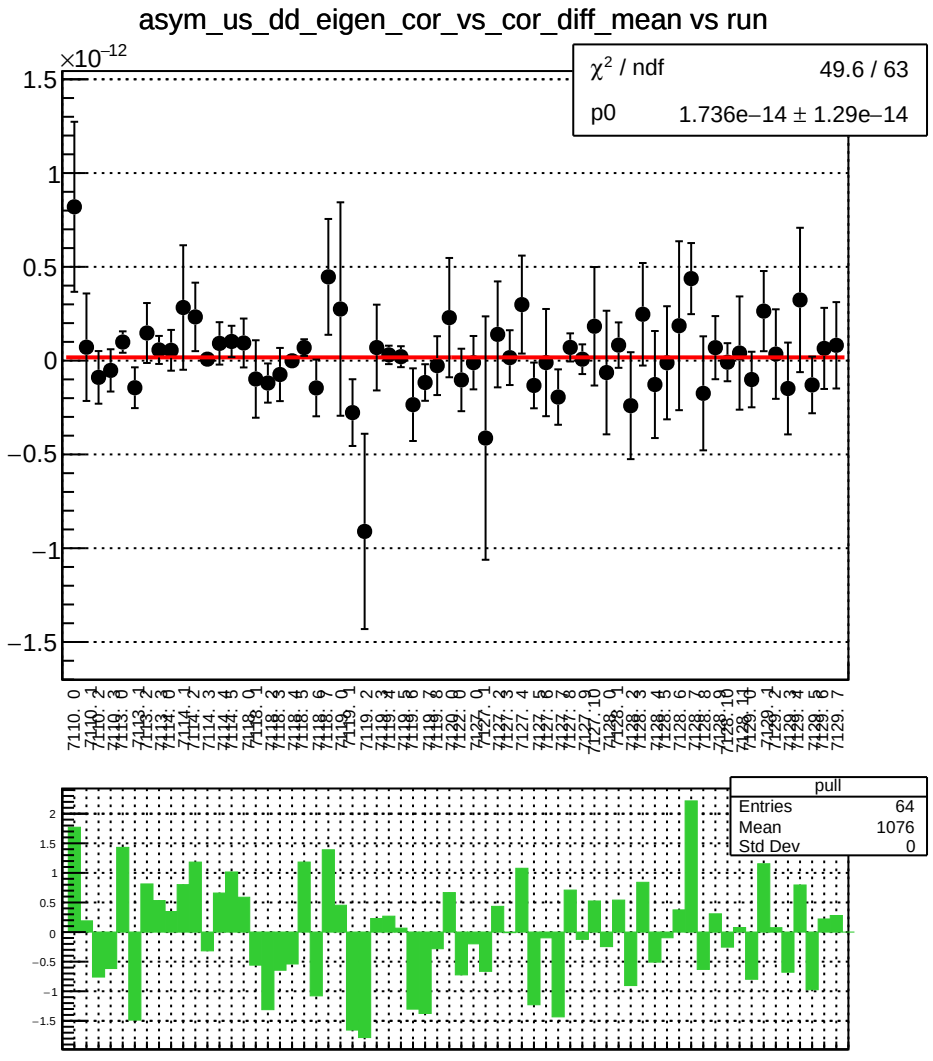


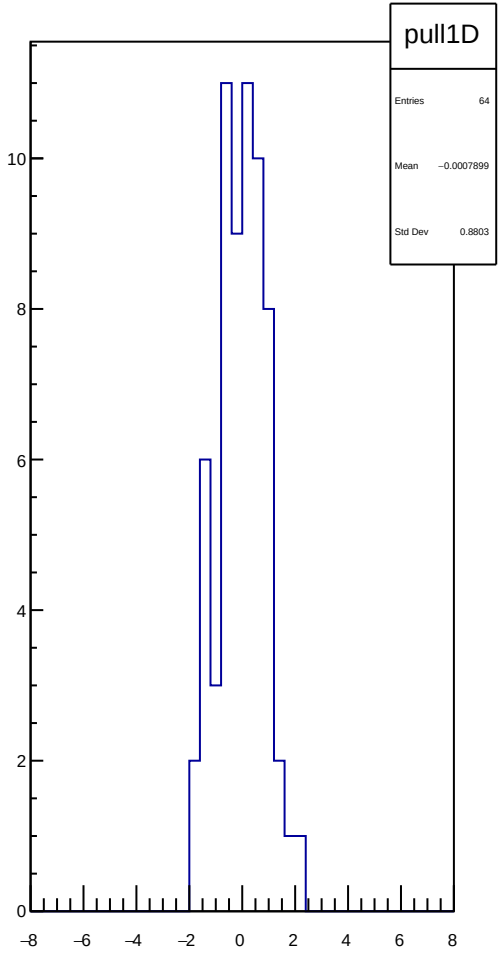

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.52e+05 / 63
p0 24.23 ± 0.02455
140
120
100
80
60
40
20

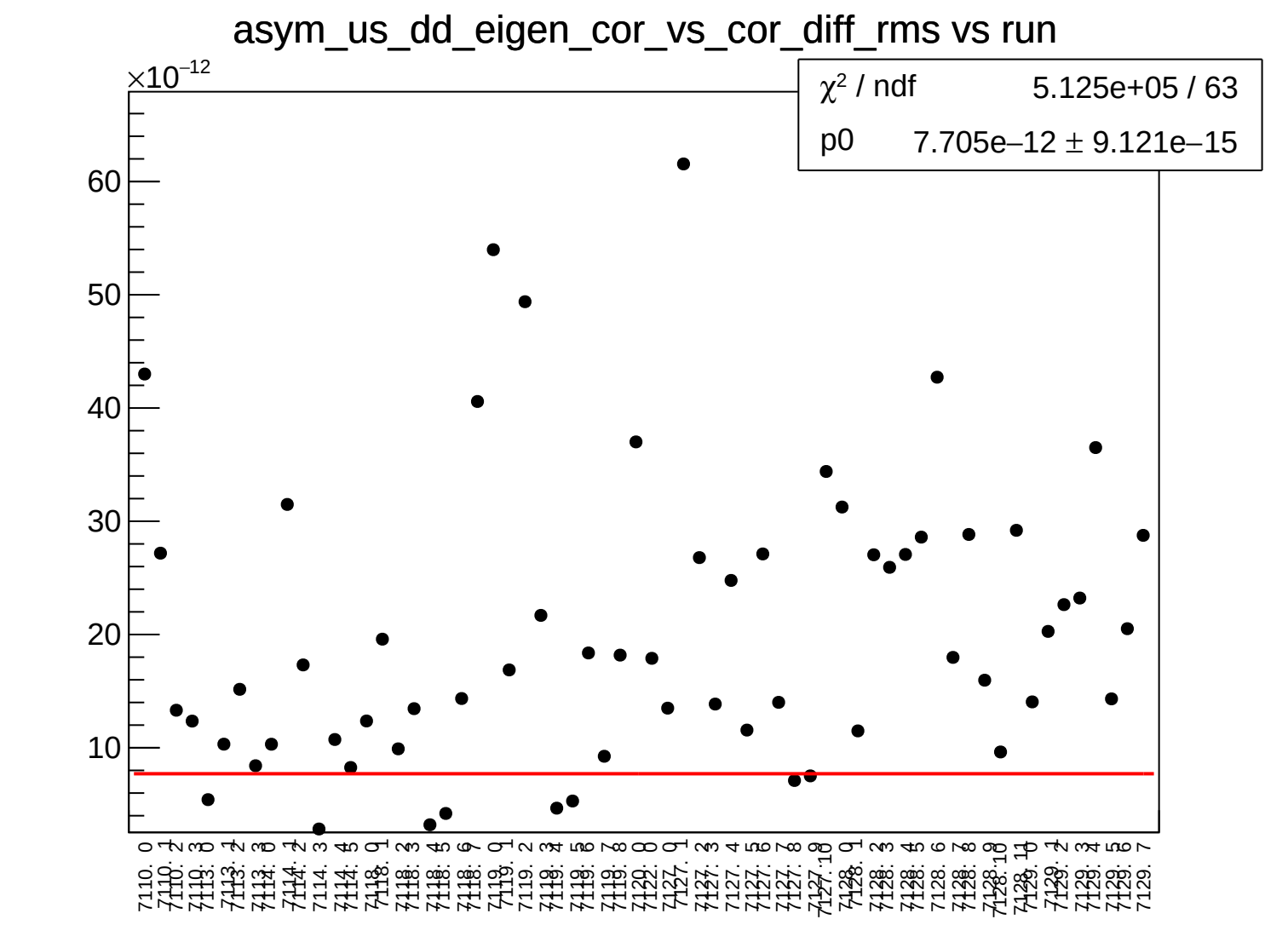

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 54.33 / 63
p0 −0.02602 ± 0.05542
pull
Entries 64
Mean −24.78
Std Dev 0

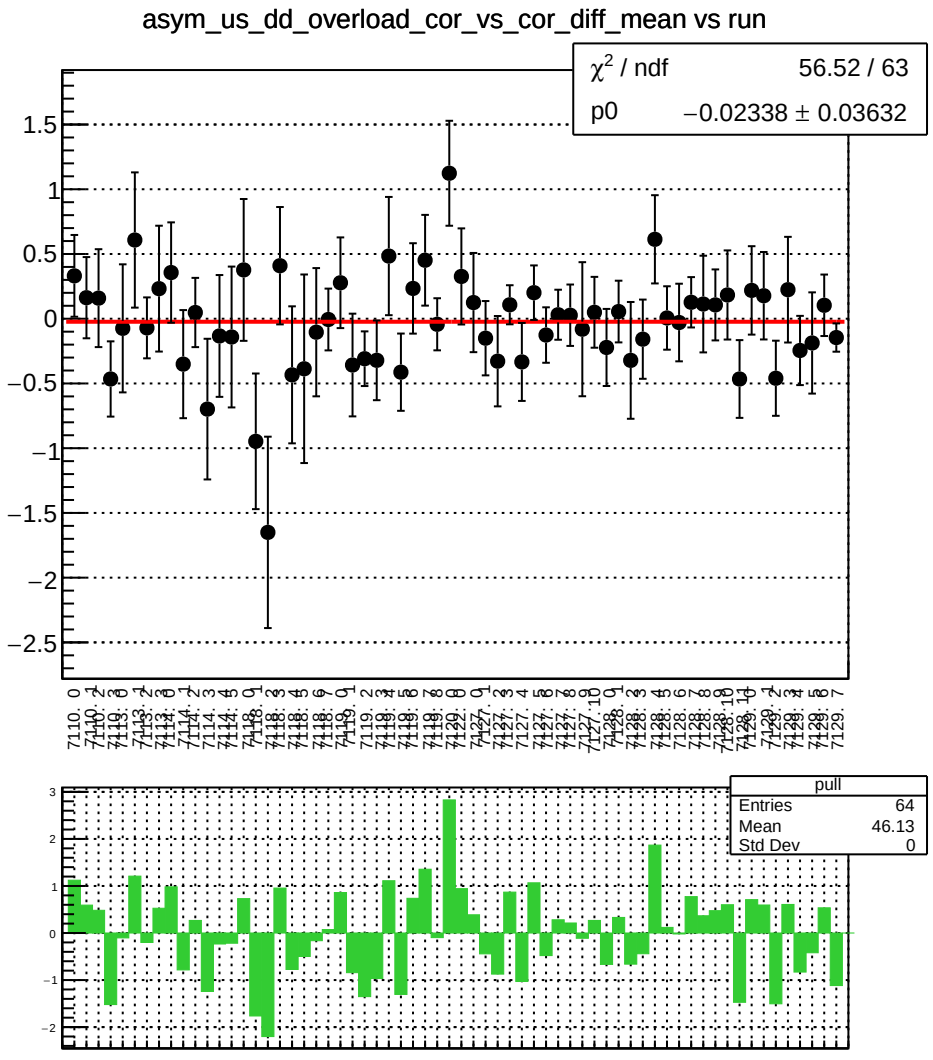

pull1D
Entries 64
Mean 0.01386
Std Dev 0.9212

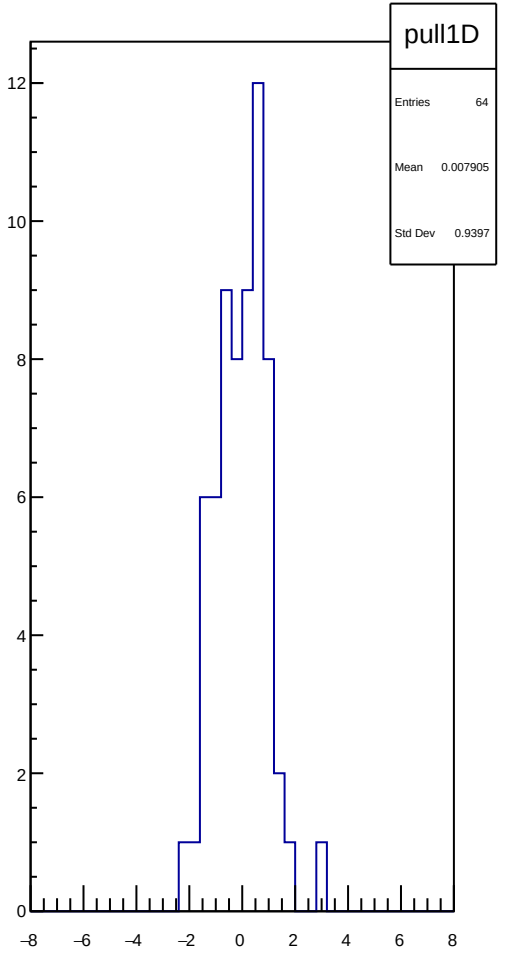

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.392e+05 / 63
p0 40.85 ± 0.03919
140
120
100
80
60
40
20

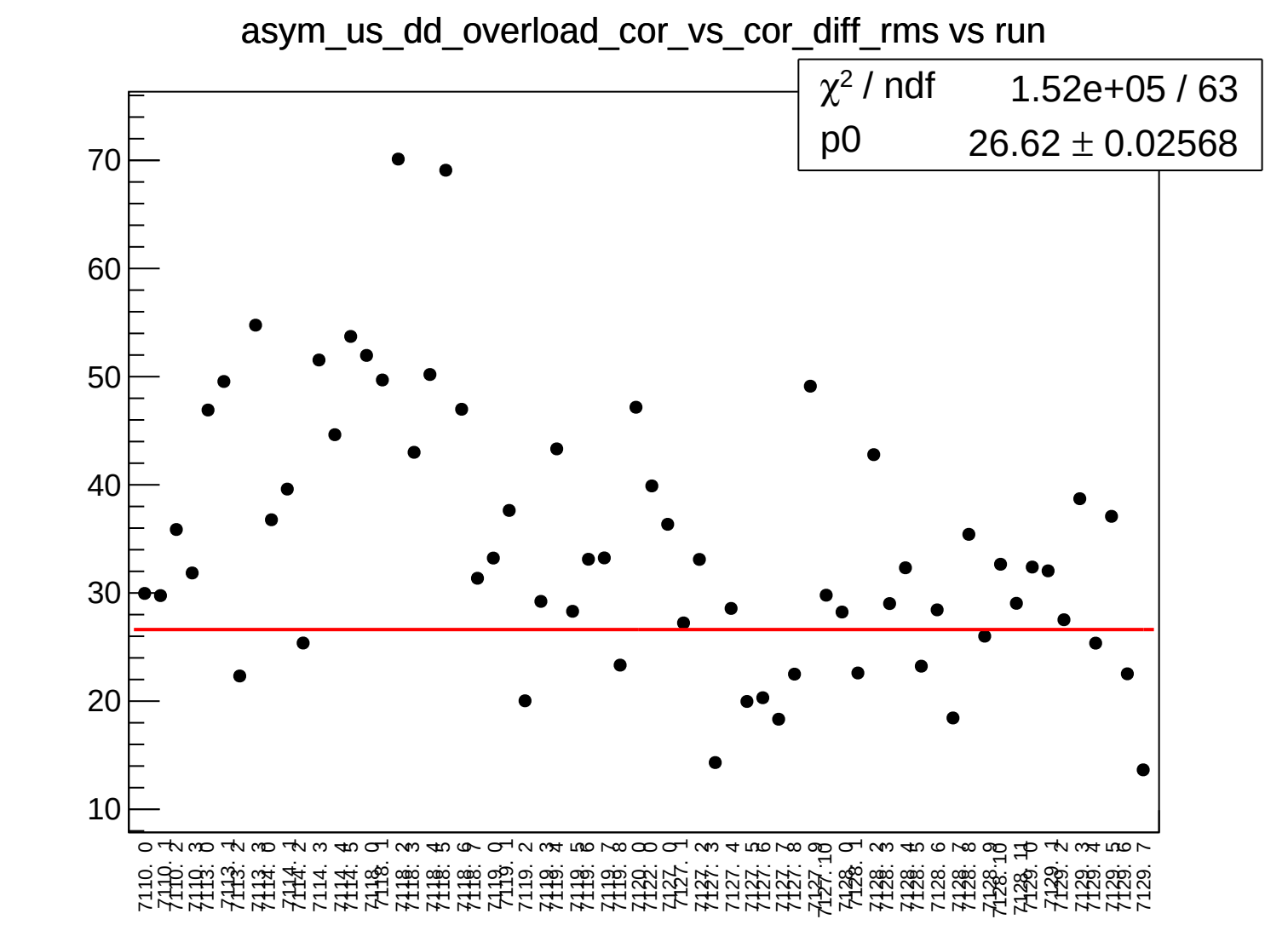

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.6 / 63
p0 1.736e−14 ± 1.29e−14
pull
Entries 64
Mean 1076
Std Dev 0

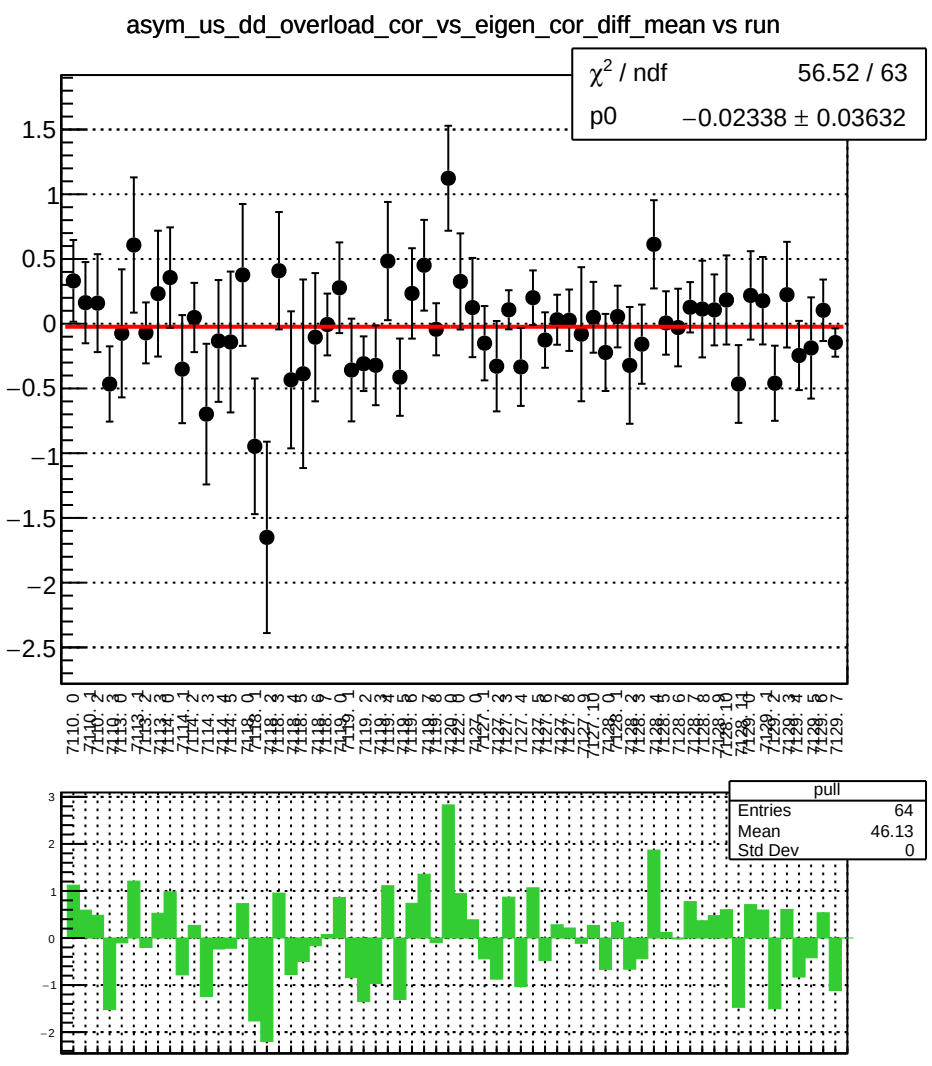

pull1D
Entries 64
Mean −0.0007899
Std Dev 0.8803

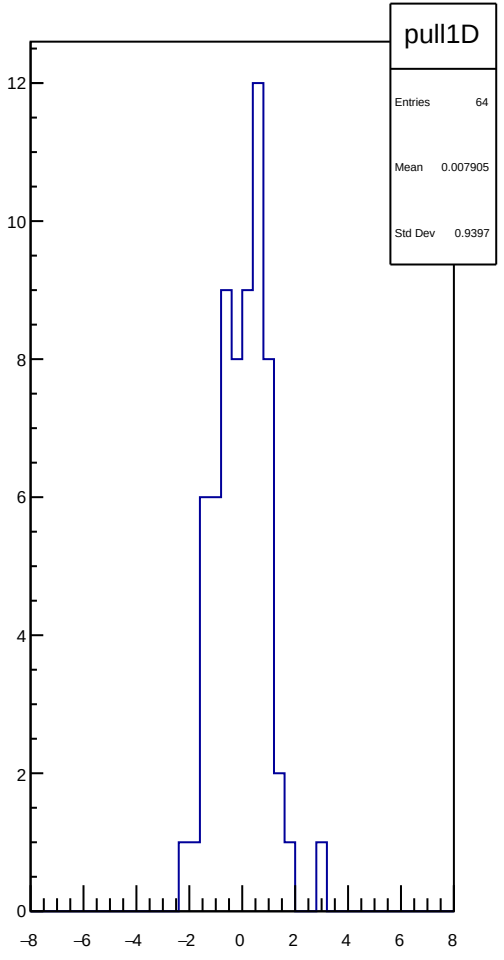

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.125e+05 / 63
p0 7.705e−12 ± 9.121e−15
60
50
40
30
20
10

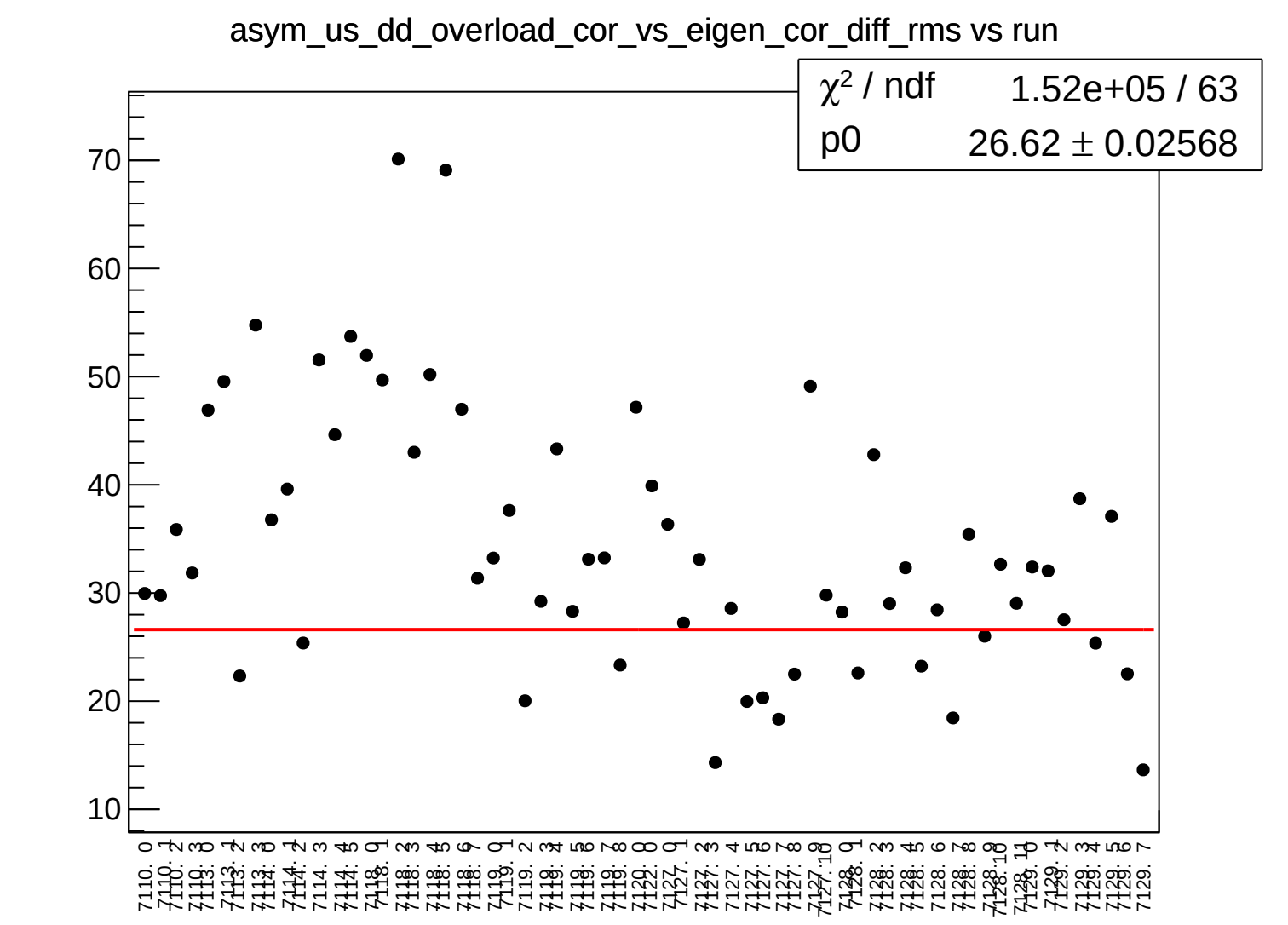

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 56.52 / 63
p0 −0.02338 ± 0.03632
pull
Entries 64
Mean 46.13
Std Dev 0

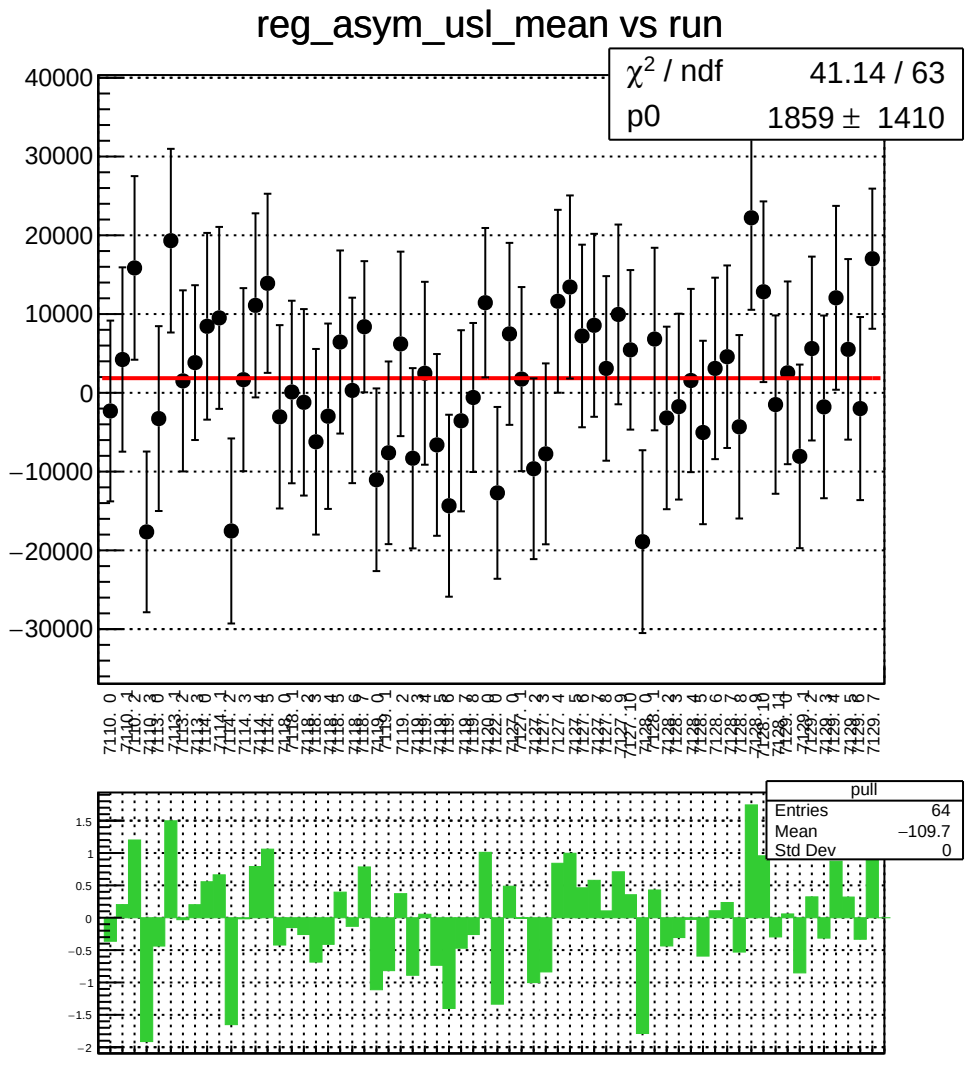

pull1D
Entries 64
Mean 0.007905
Std Dev 0.9397

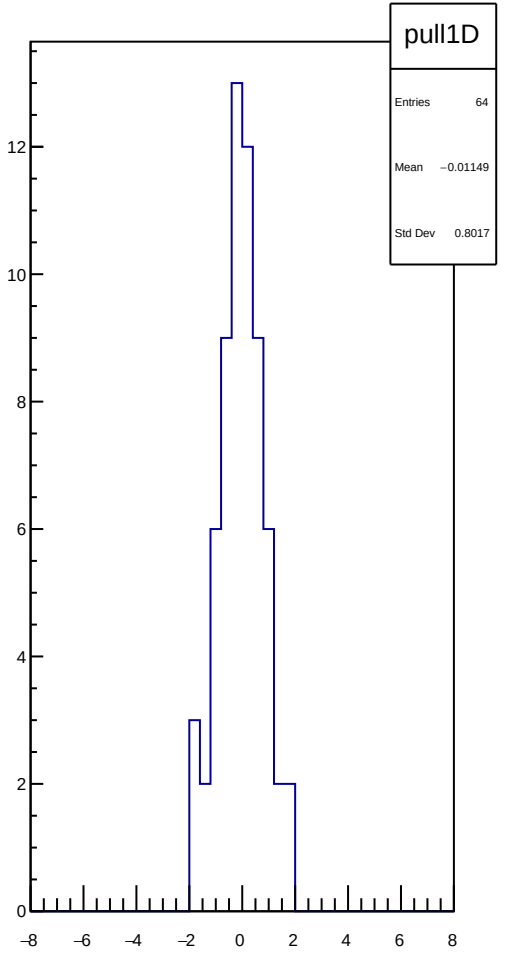

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.52e+05 / 63
p0 26.62 ± 0.02568
70
60
50
40
30
20
10

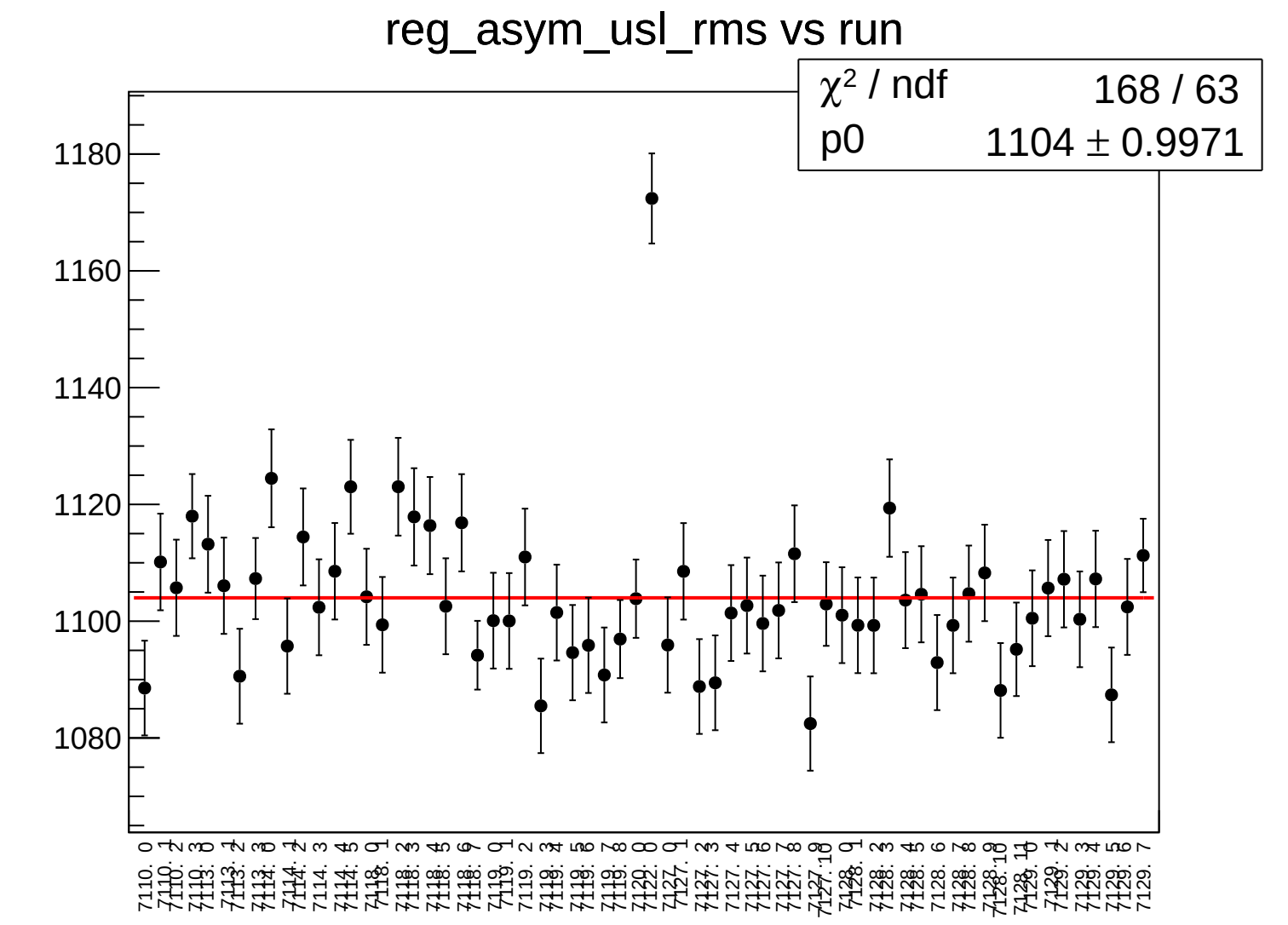

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.52 / 63
p0 −0.02338 ± 0.03632
pull
Entries 64
Mean 46.13
Std Dev 0

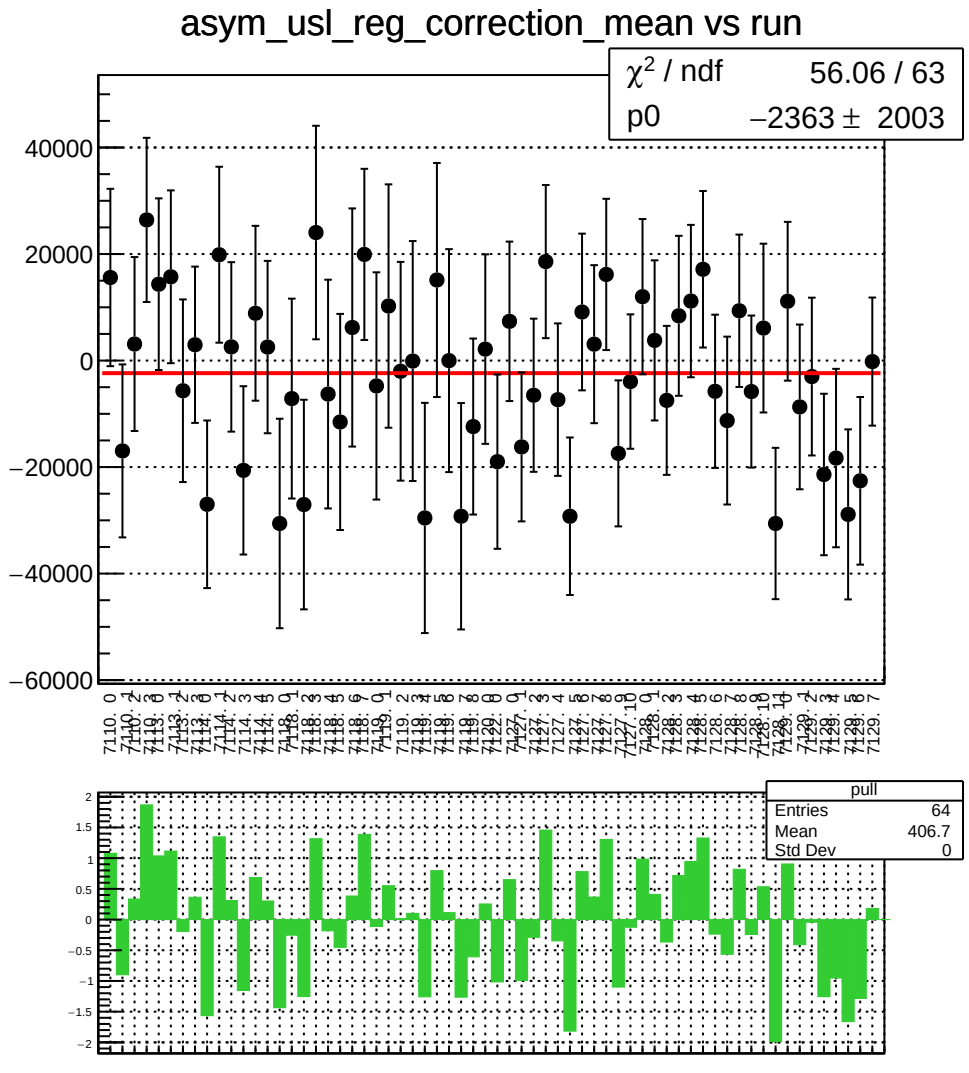

pull1D
Entries 64
Mean 0.007905
Std Dev 0.9397

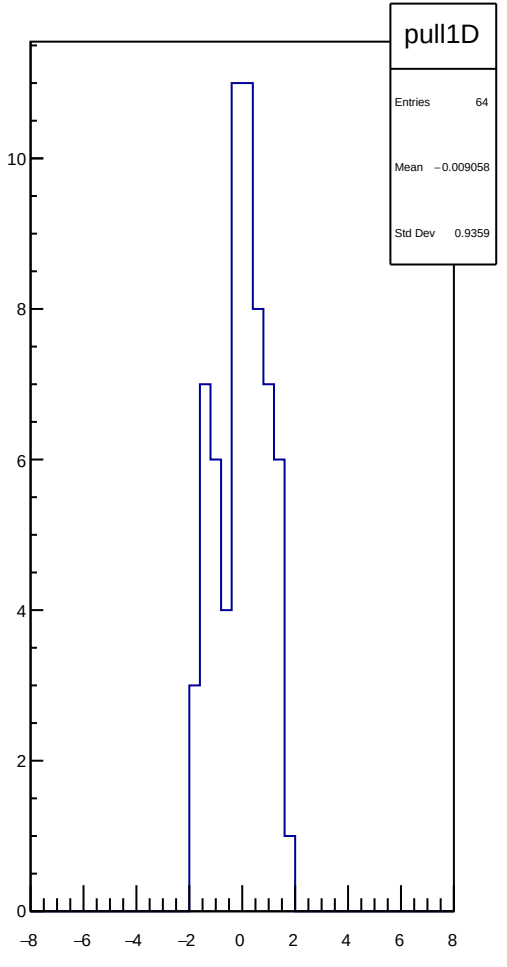

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+05 / 63
p0 26.62 ± 0.02568
70
60
50
40
30
20
10

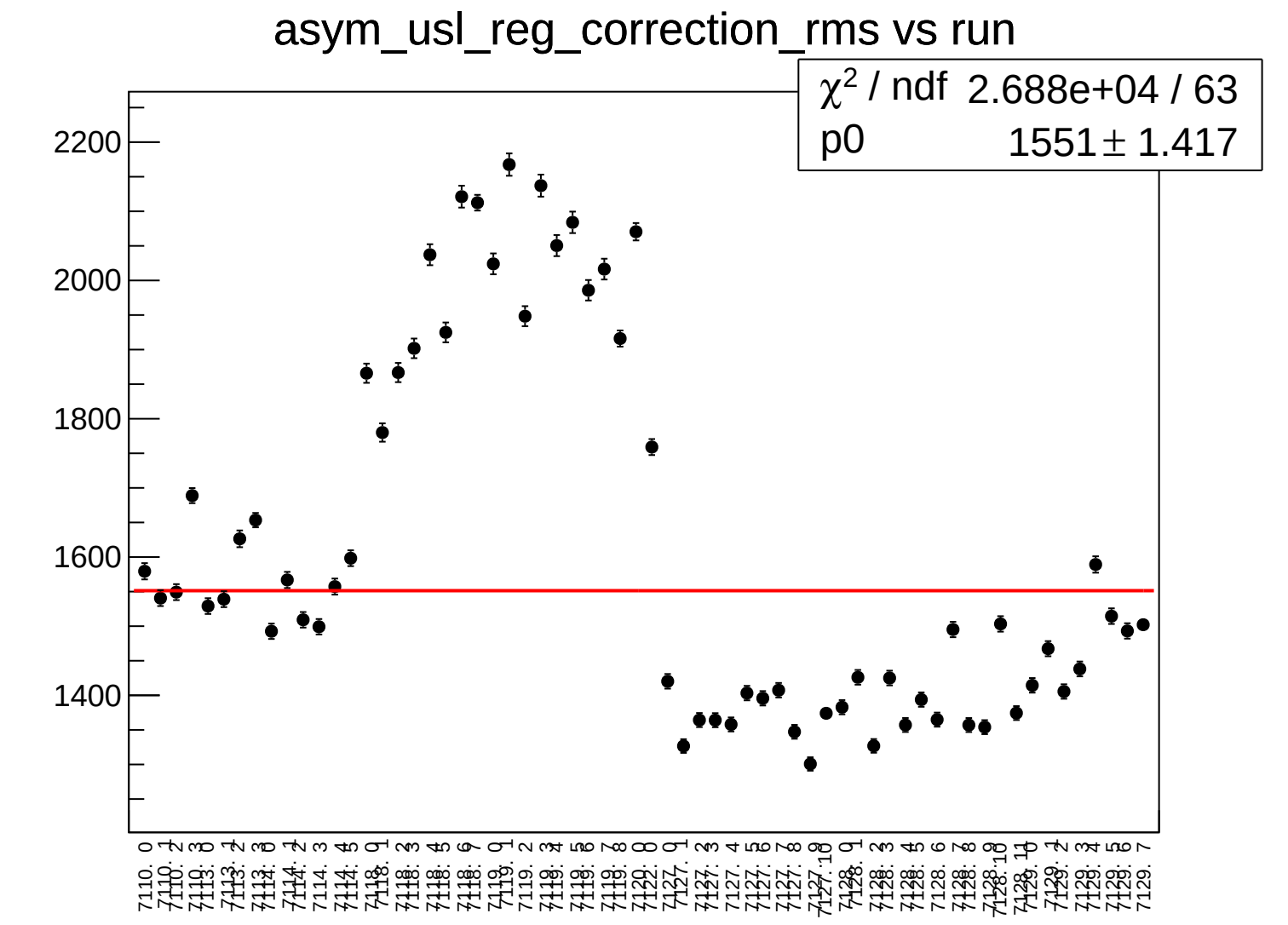

reg_asym_usl_mean vs run
χ² / ndf 41.14 / 63
p0 1859 ± 1410
pull
Entries 64
Mean −109.7
Std Dev 0

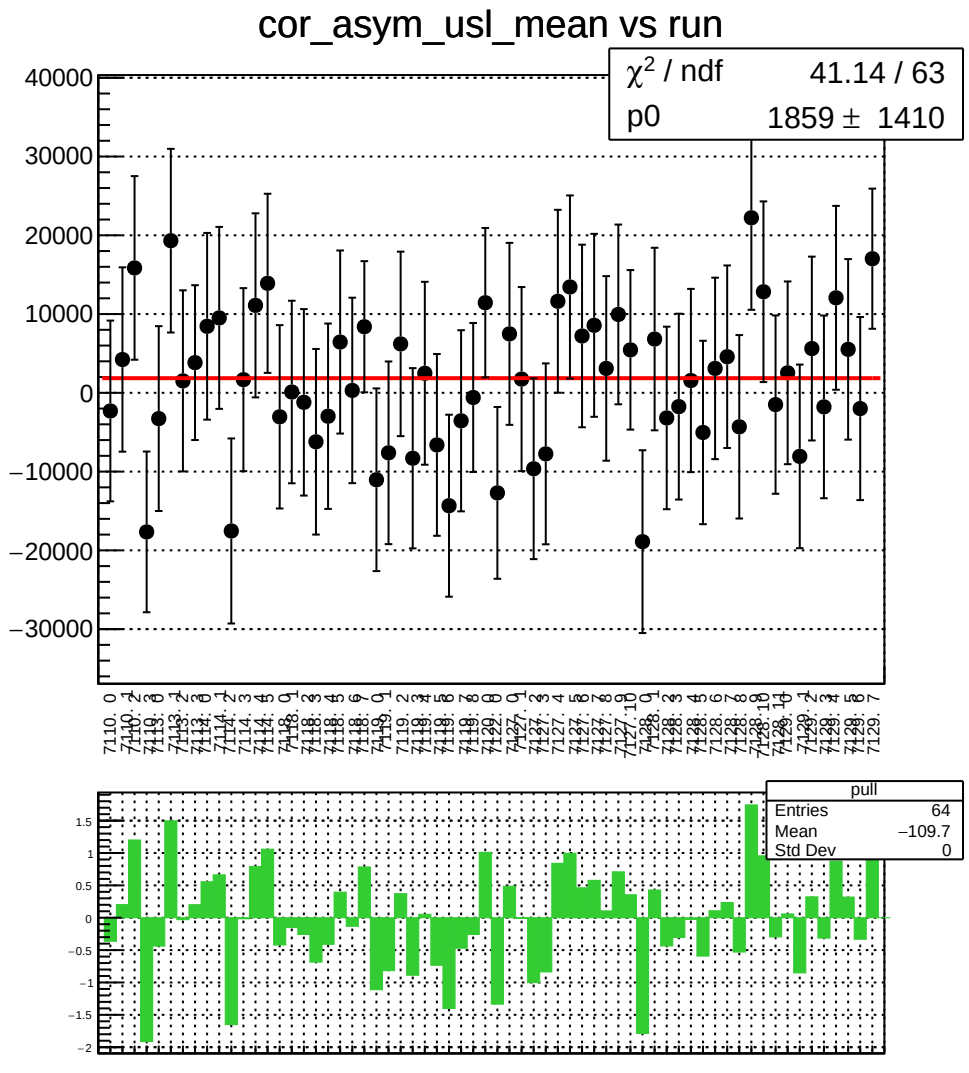

pull1D
Entries 64
Mean −0.01149
Std Dev 0.8017

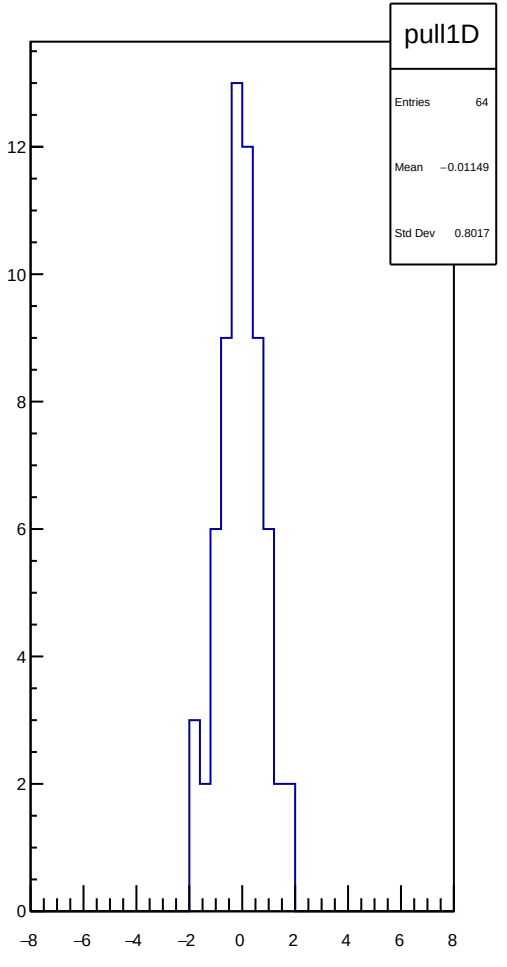

reg_asym_usl_rms vs run
χ² / ndf 168 / 63
p0 1104 ± 0.9971
1180
1160
1140
1120
1100
1080

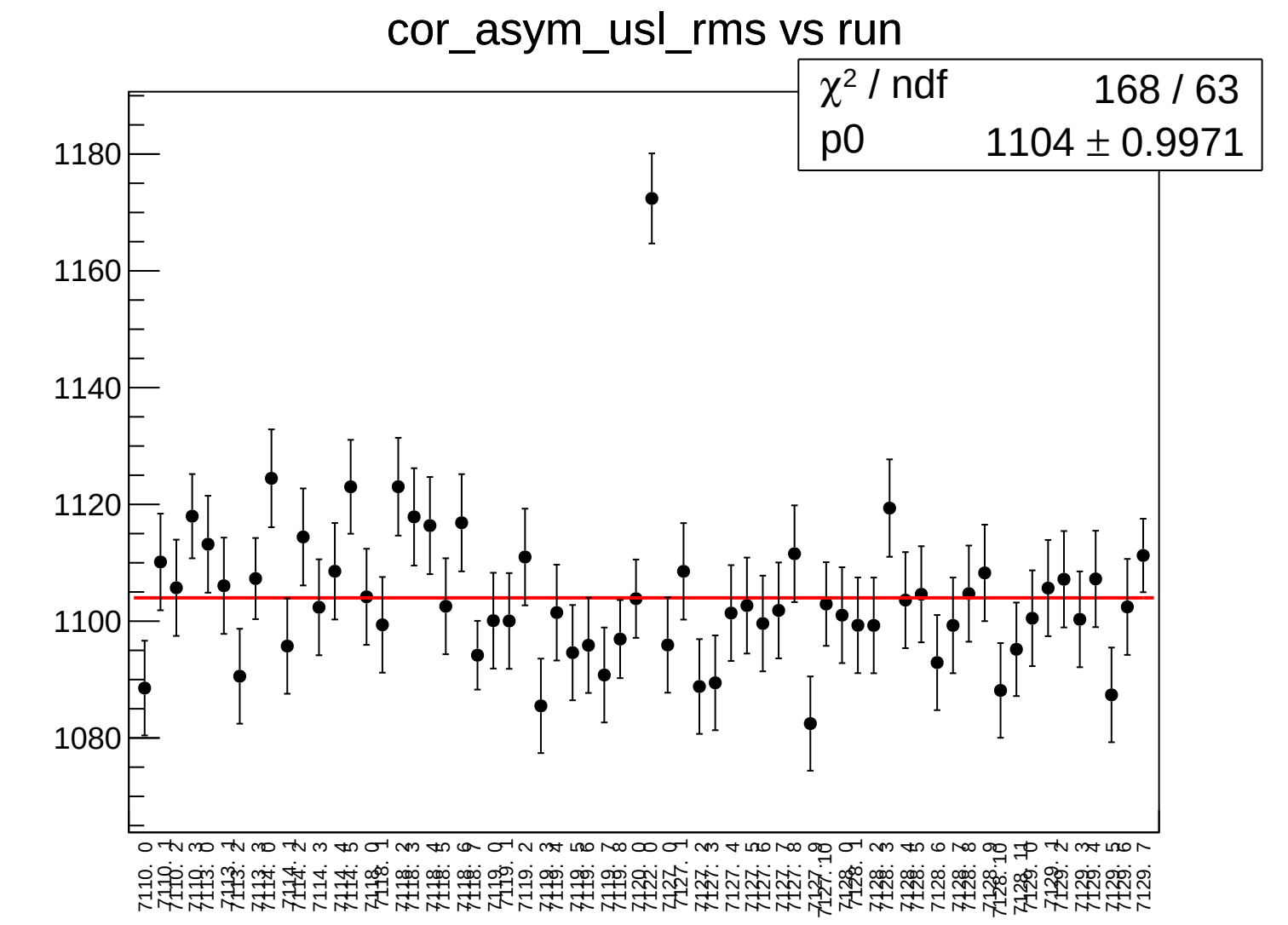

asym_usl_reg_correction_mean vs run
χ² / ndf 56.06 / 63
p0 −2363 ± 2003
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 406.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

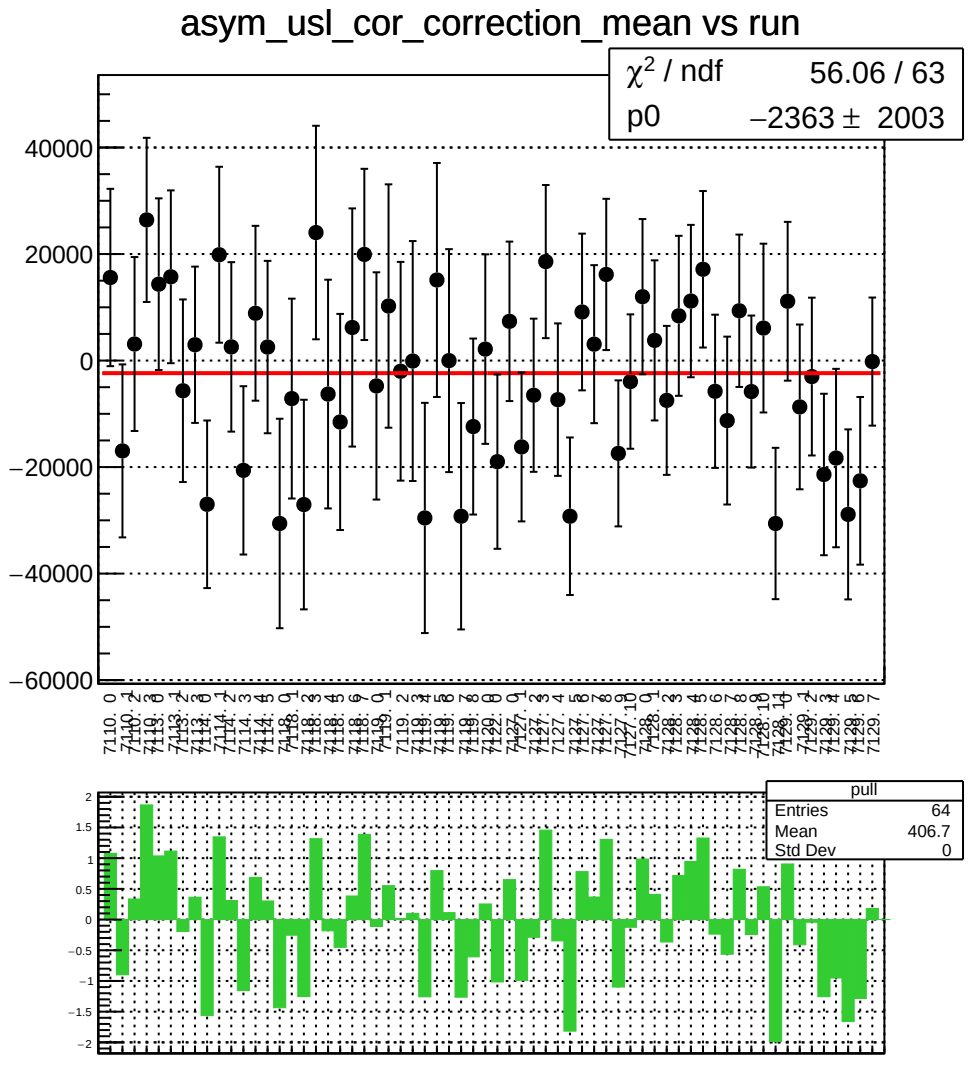

pull1D
Entries 64
Mean −0.009058
Std Dev 0.9359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

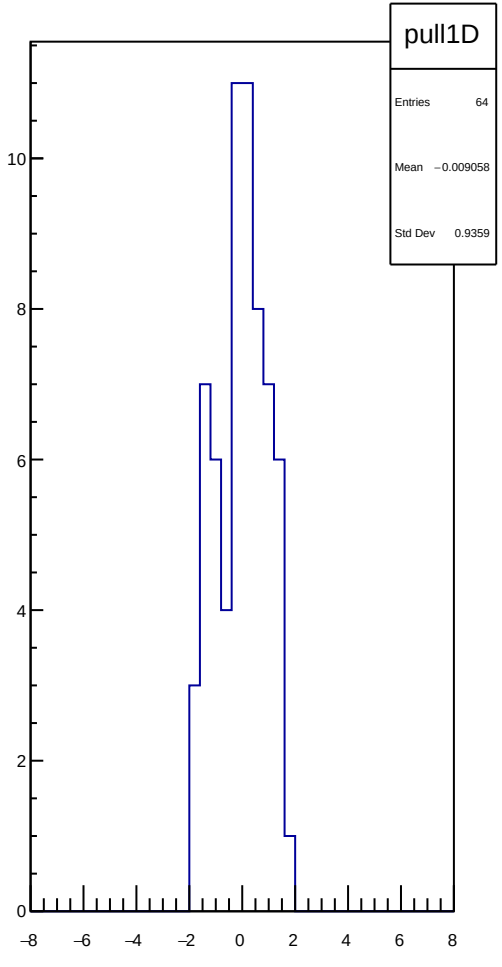

asym_usl_reg_correction_rms vs run
χ² / ndf 2.688e+04 / 63
p0 1551 ± 1.417
2200
2000
1800
1600
1400

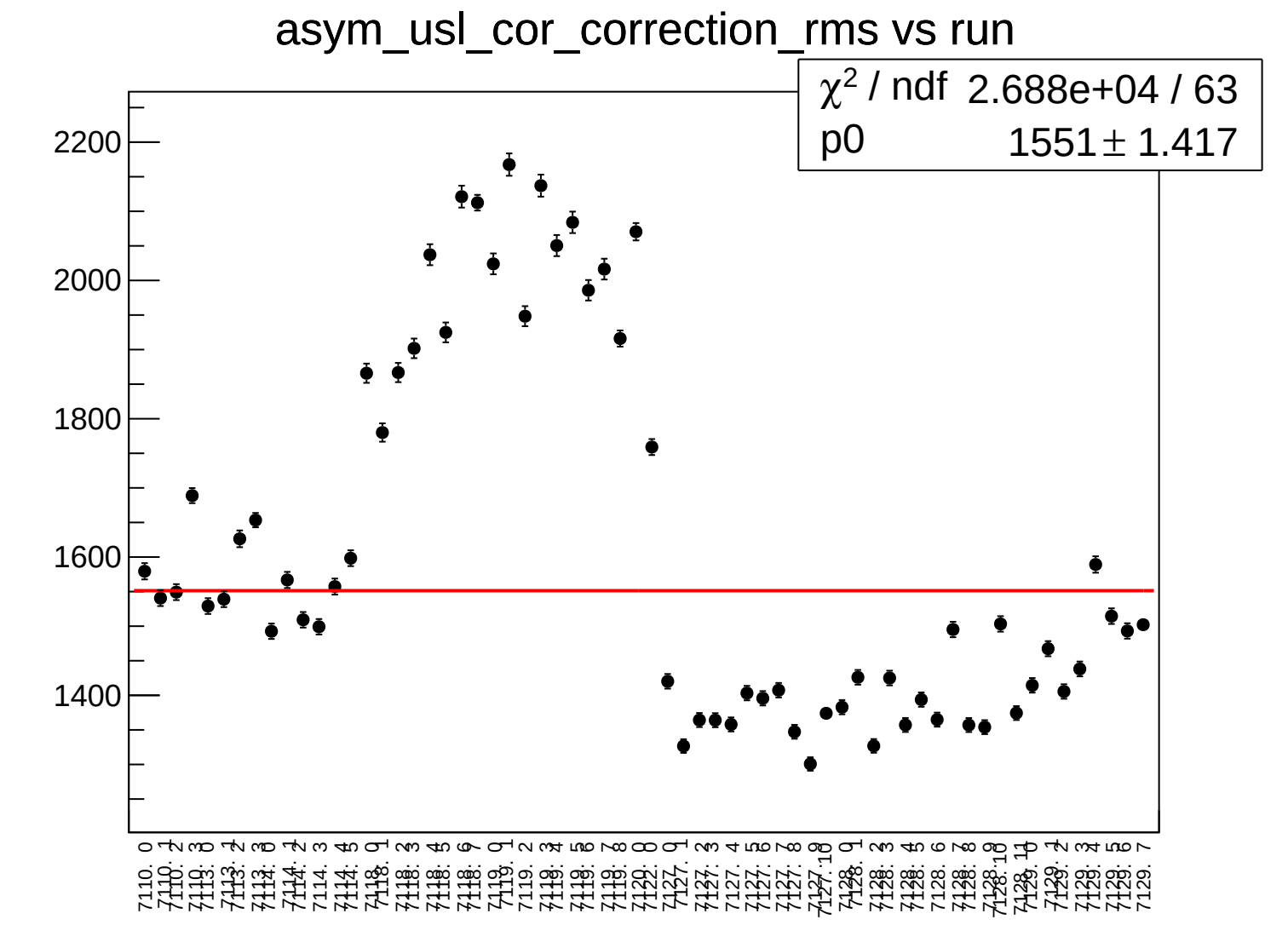

cor_asym_usl_mean vs run
χ² / ndf 41.14 / 63
p0 1859 ± 1410
pull
Entries 64
Mean −109.7
Std Dev 0

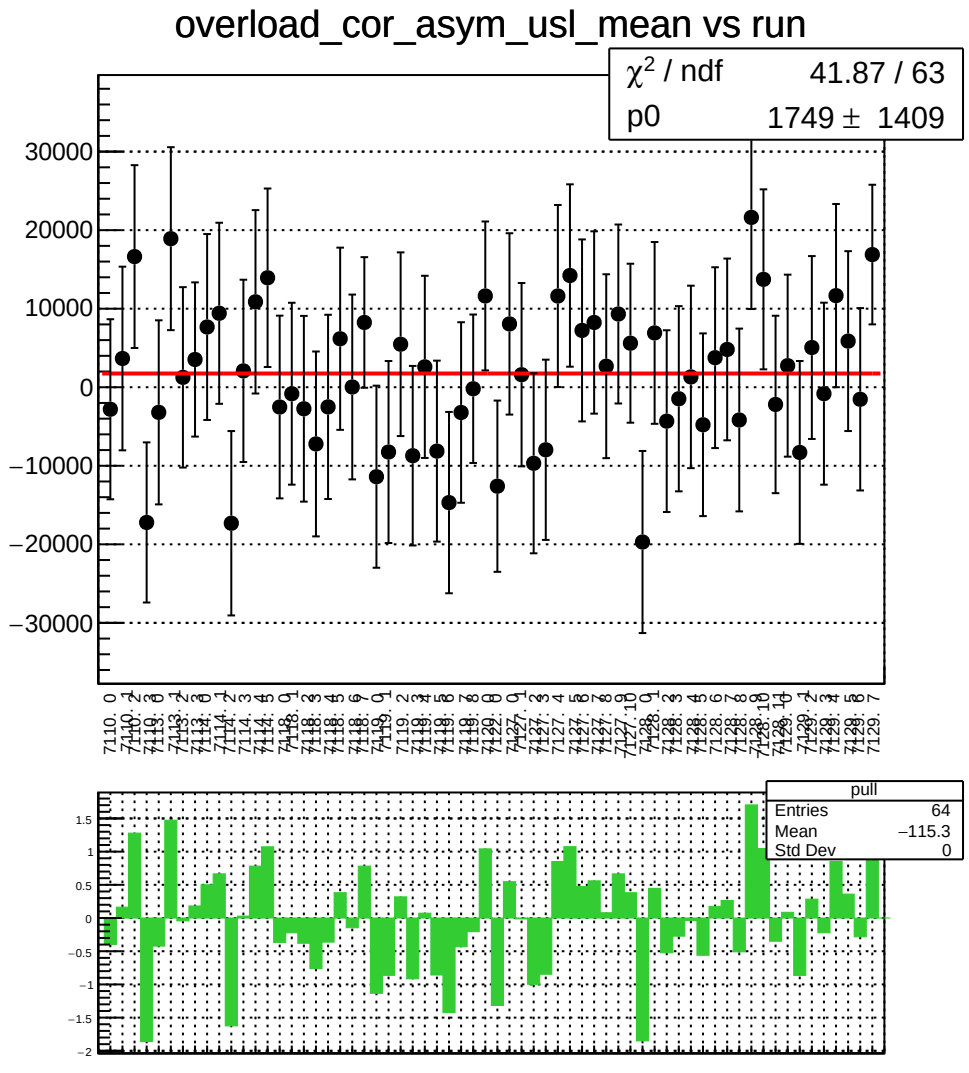

pull1D
Entries 64
Mean −0.01149
Std Dev 0.8017

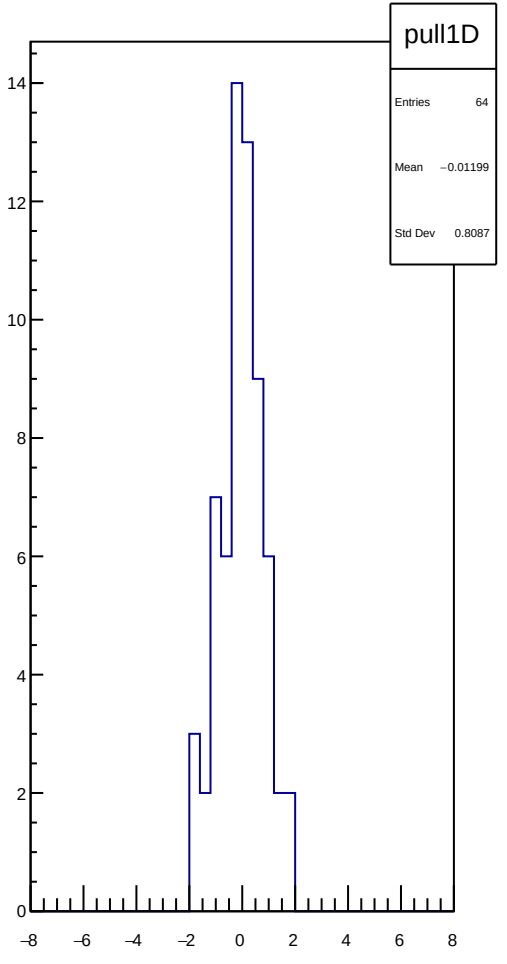

cor_asym_usl_rms vs run
χ² / ndf 168 / 63
p0 1104 ± 0.9971
1180
1160
1140
1120
1100
1080

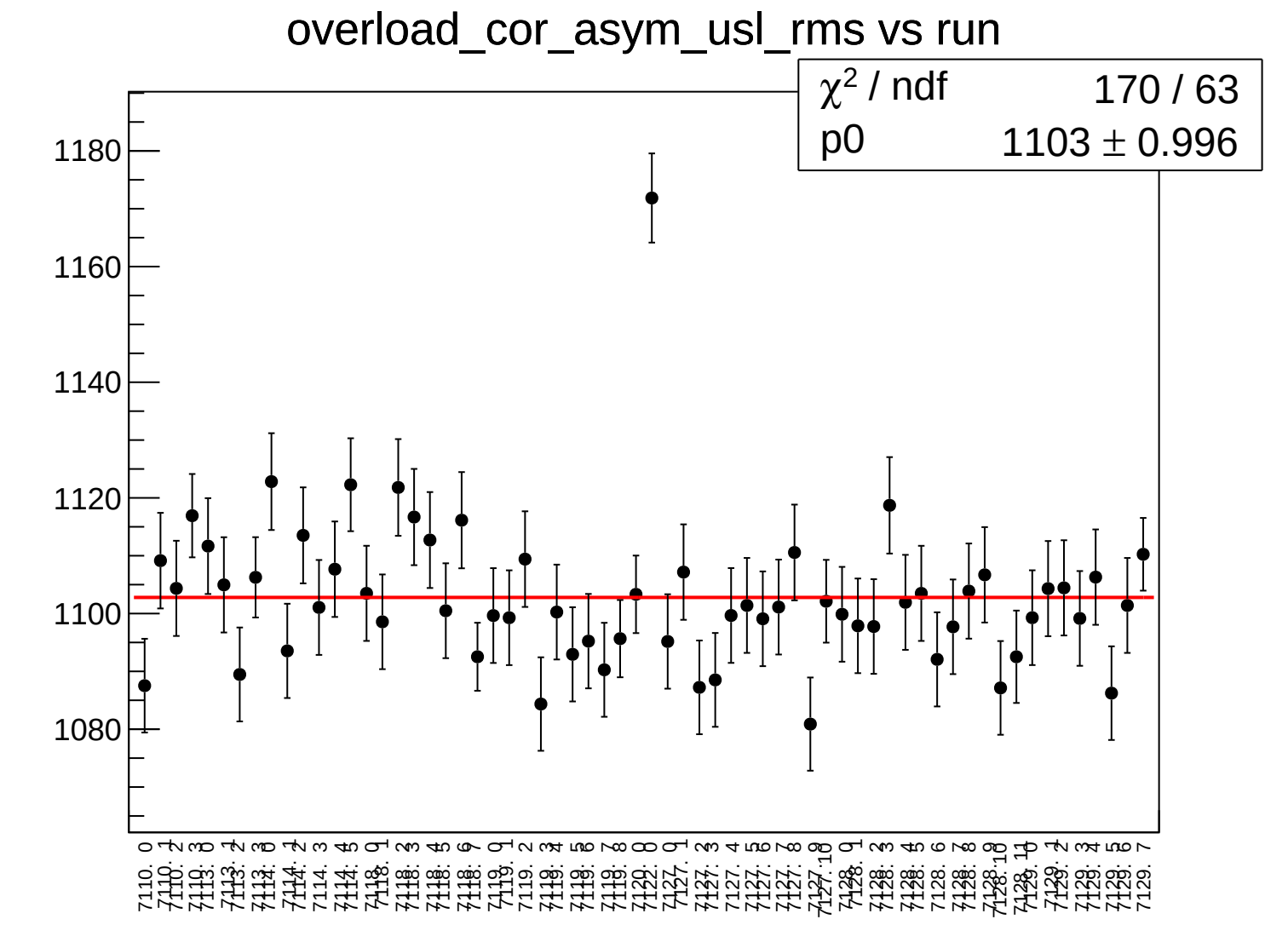

asym_usl_cor_correction_mean vs run
χ² / ndf 56.06 / 63
p0 −2363 ± 2003
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 406.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

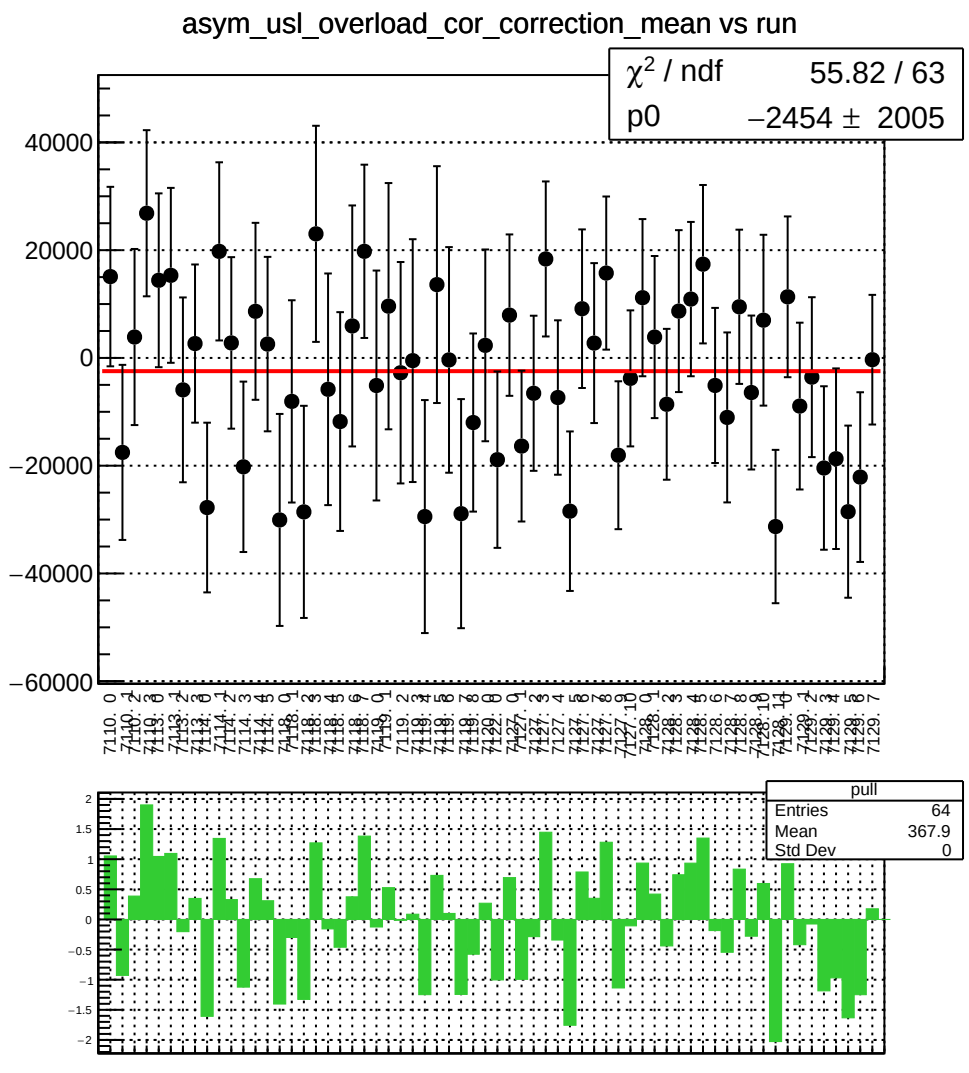

pull1D
Entries 64
Mean −0.009058
Std Dev 0.9359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

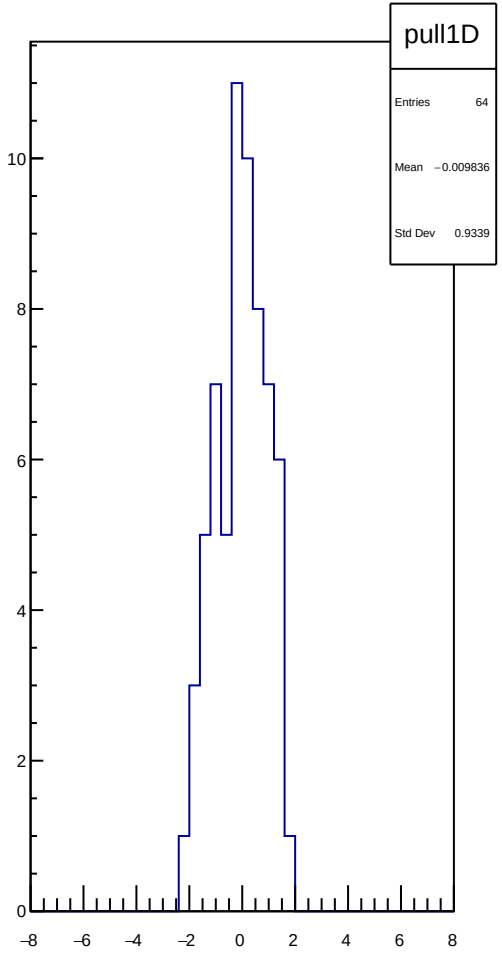

asym_usl_cor_correction_rms vs run
χ² / ndf 2.688e+04 / 63
p0 1551 ± 1.417
2200
2000
1800
1600
1400

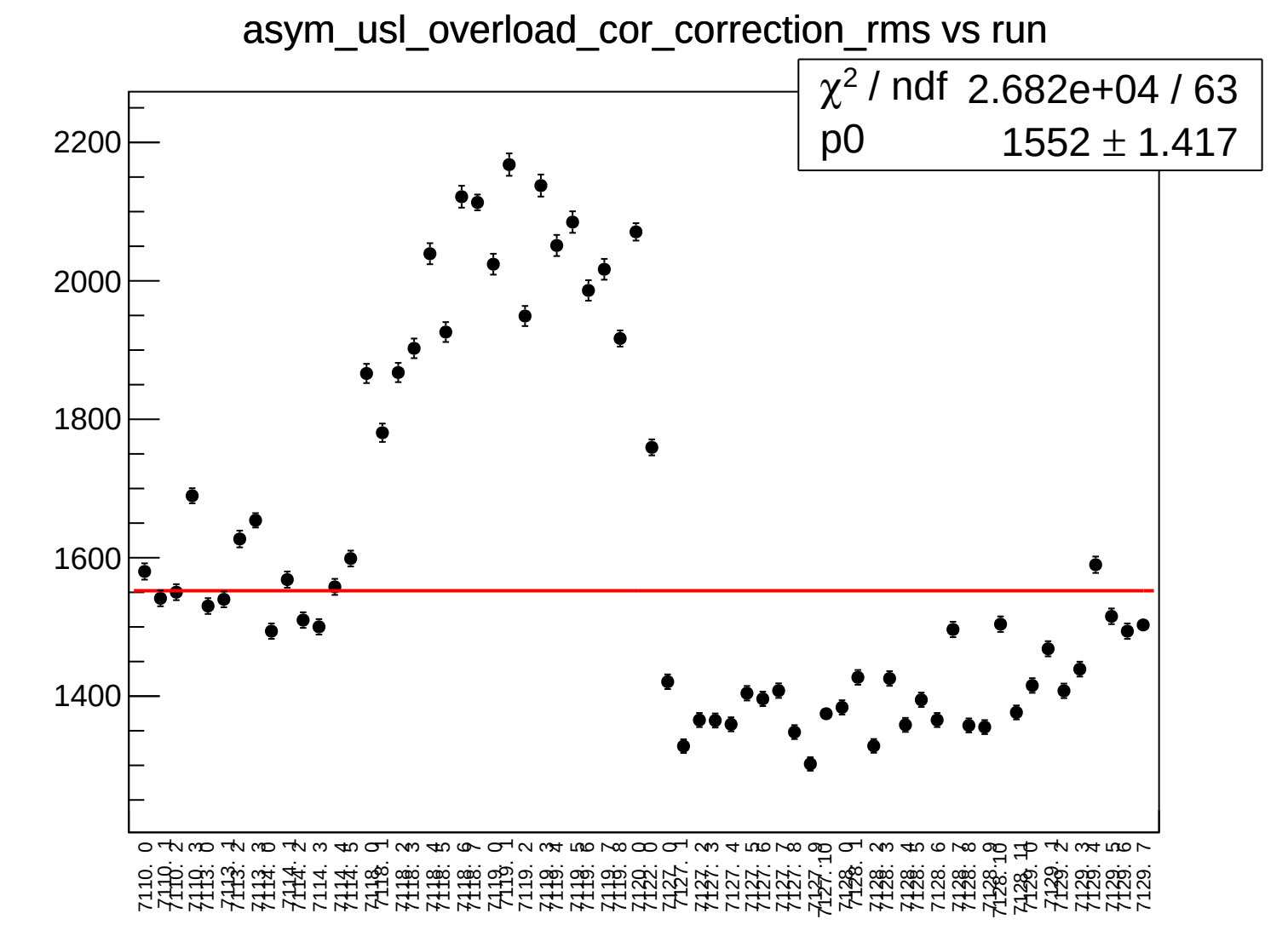

overload_cor_asym_usl_mean vs run
χ² / ndf 41.87 / 63
p0 1749 ± 1409
pull
Entries 64
Mean −115.3
Std Dev 0

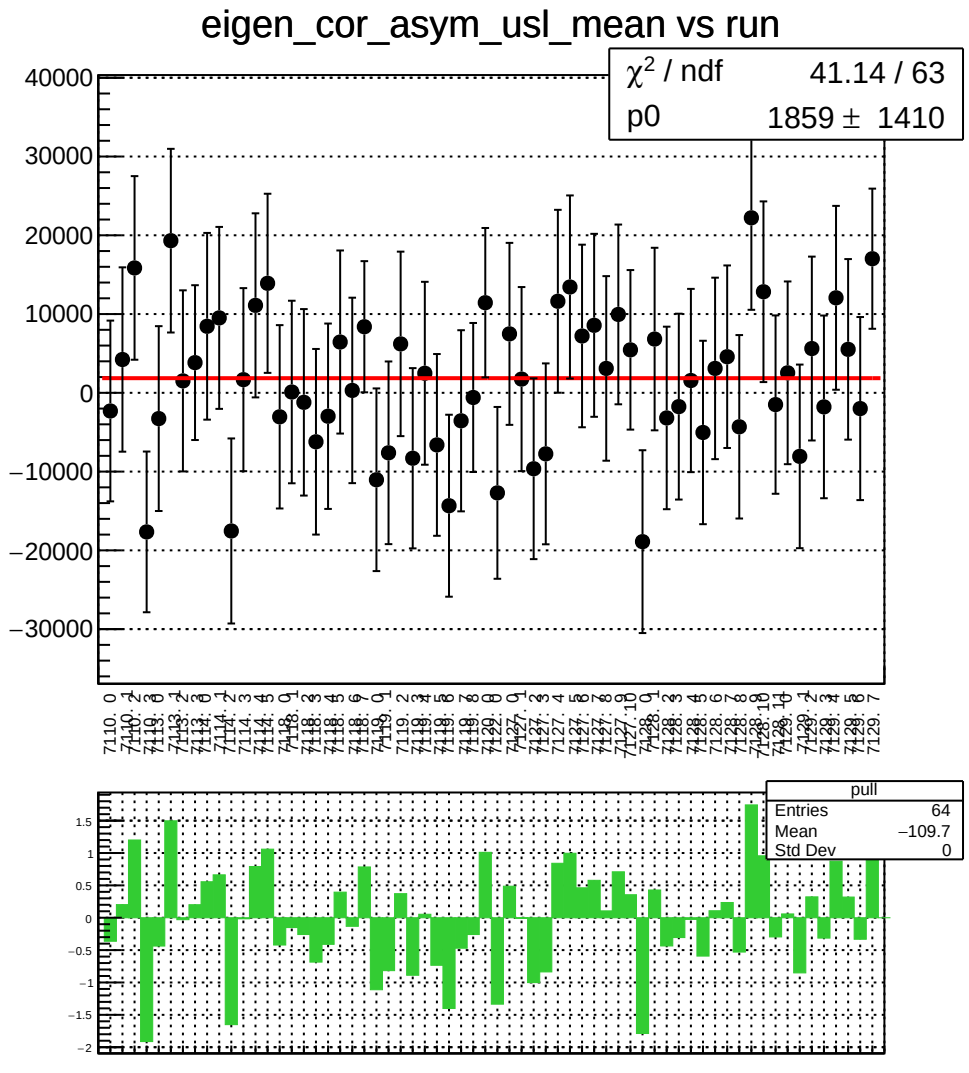

pull1D
Entries 64
Mean −0.01199
Std Dev 0.8087

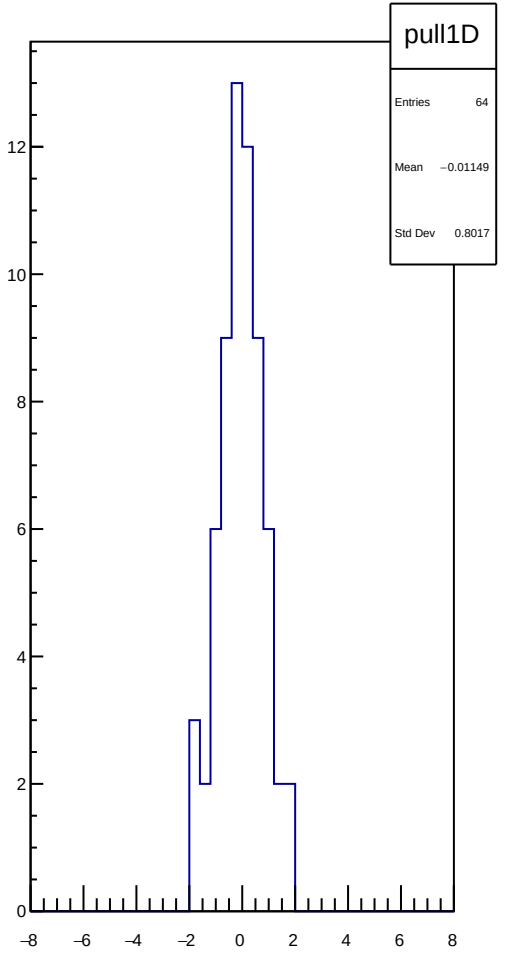

overload_cor_asym_usl_rms vs run
χ² / ndf 170 / 63
p0 1103 ± 0.996
1180
1160
1140
1120
1100
1080

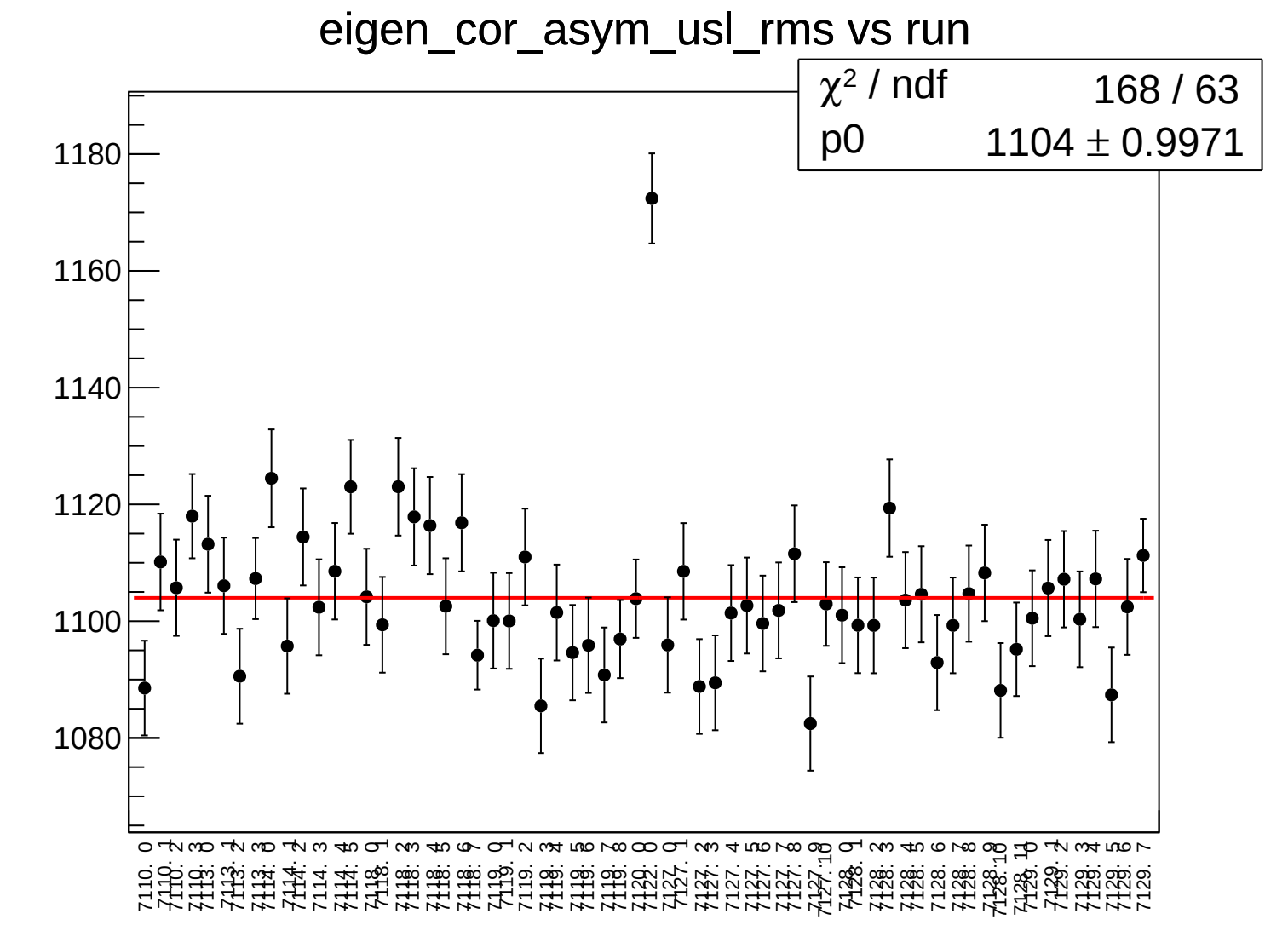

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 55.82 / 63
p0 −2454 ± 2005
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 367.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

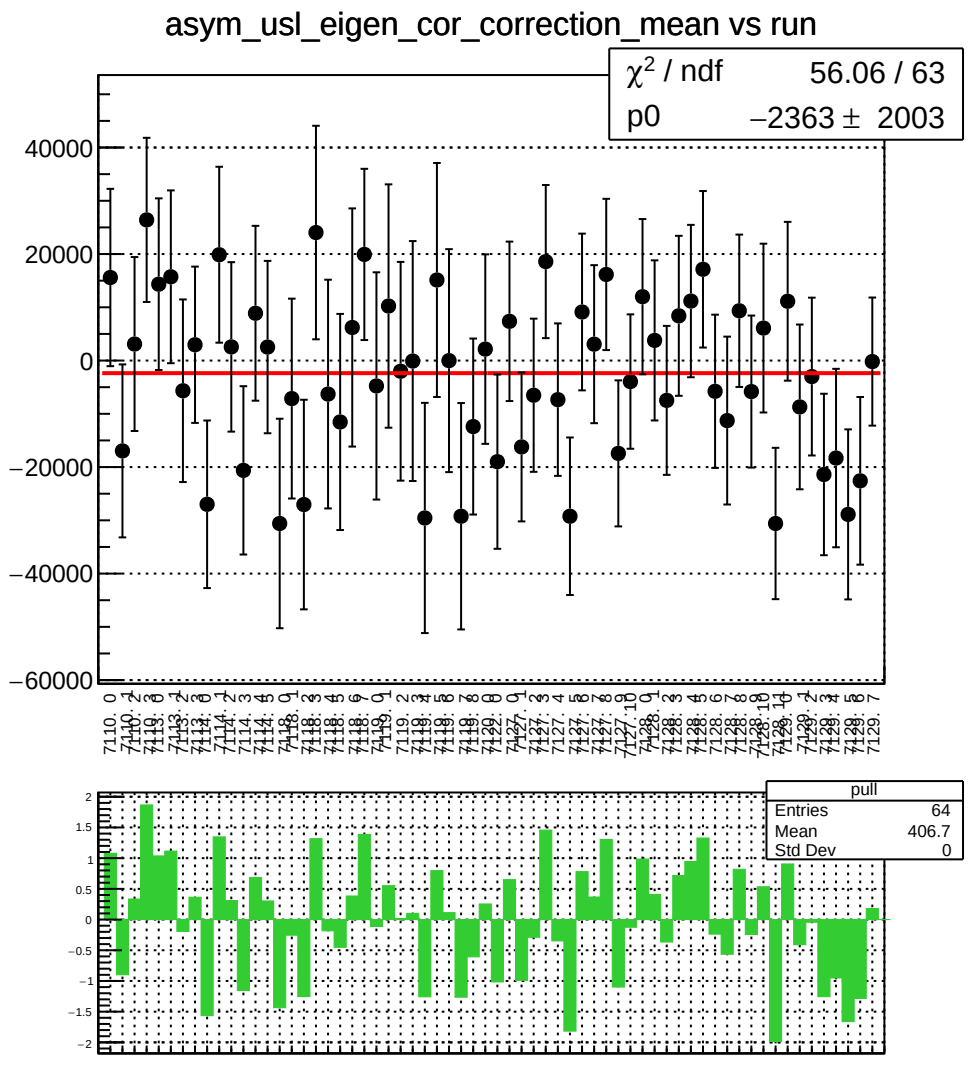

pull1D
Entries 64
Mean −0.009836
Std Dev 0.9339
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

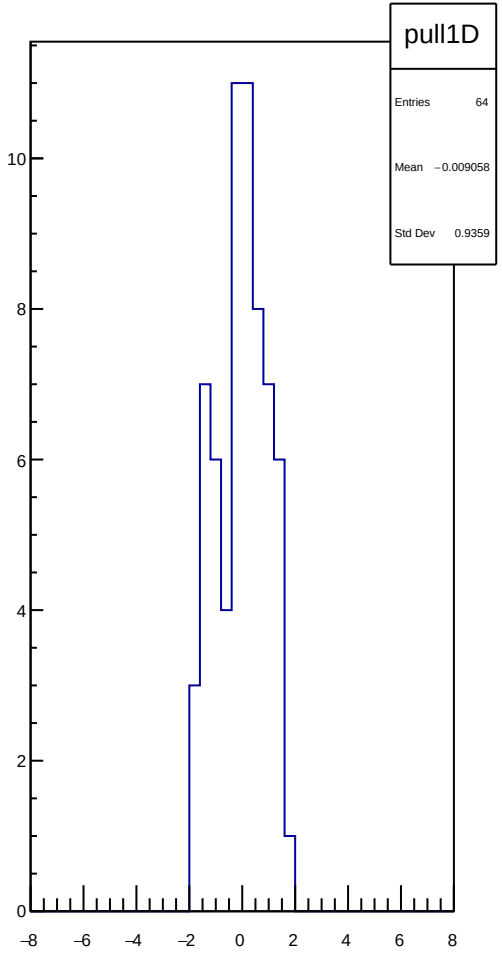

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2.682e+04 / 63
p0 1552 ± 1.417
2200
2000
1800
1600
1400

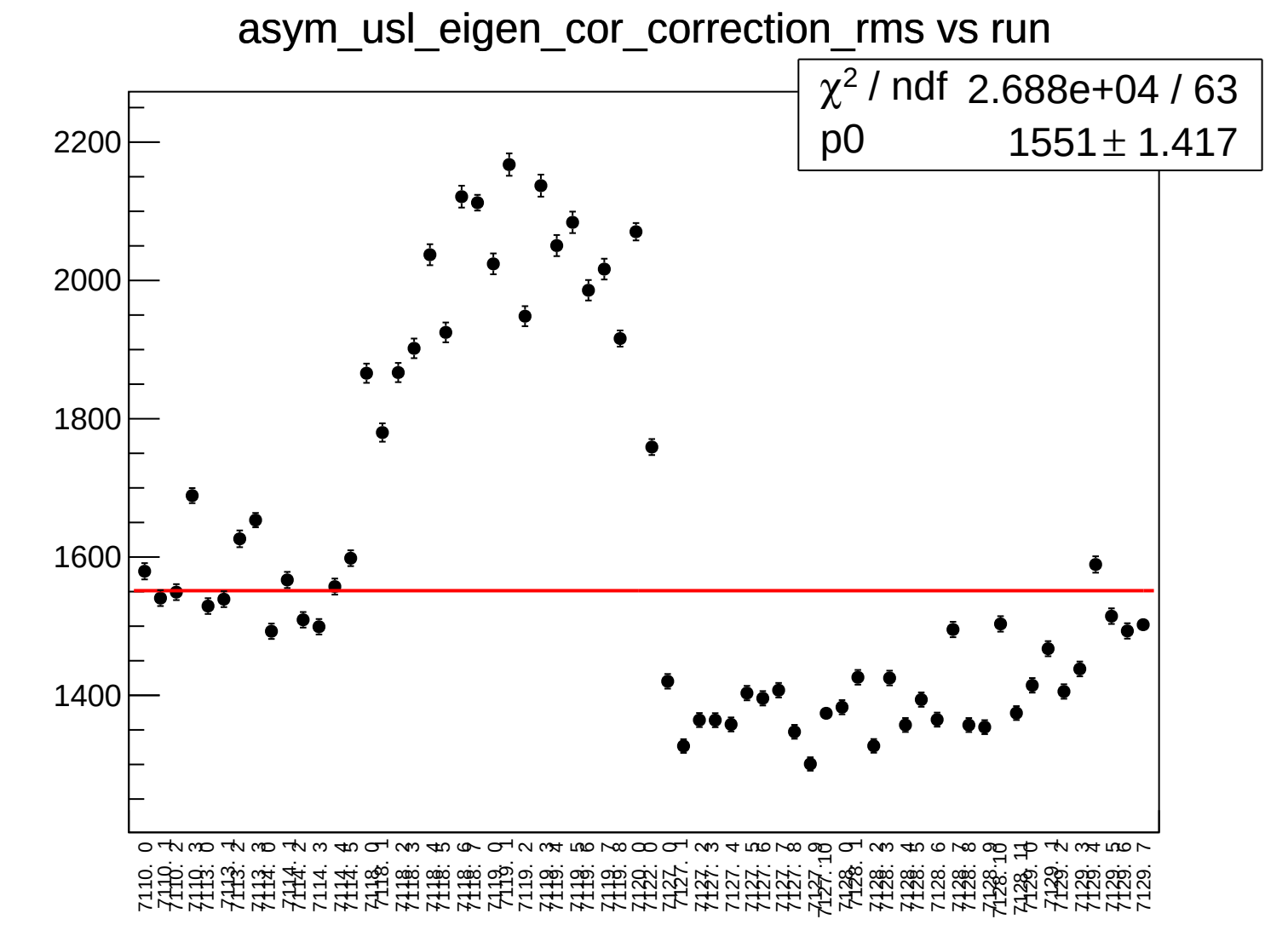

eigen_cor_asym_usl_mean vs run
χ² / ndf 41.14 / 63
p0 1859 ± 1410
pull
Entries 64
Mean −109.7
Std Dev 0

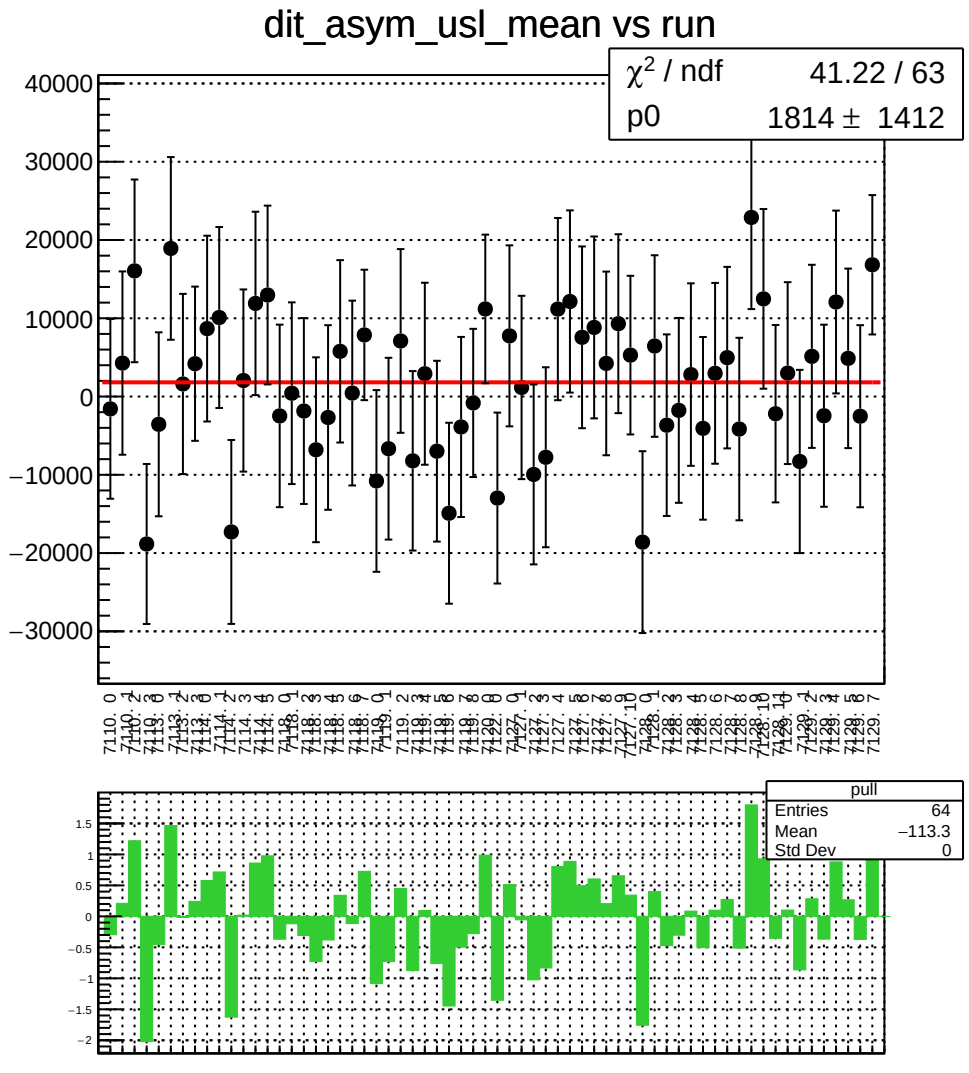

pull1D
Entries 64
Mean −0.01149
Std Dev 0.8017

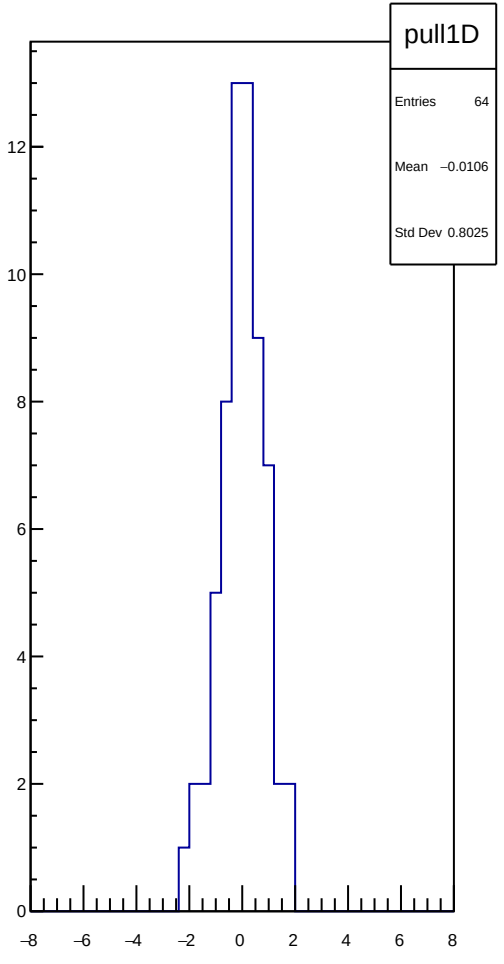

eigen_cor_asym_usl_rms vs run
χ² / ndf 168 / 63
p0 1104 ± 0.9971
1180
1160
1140
1120
1100
1080
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

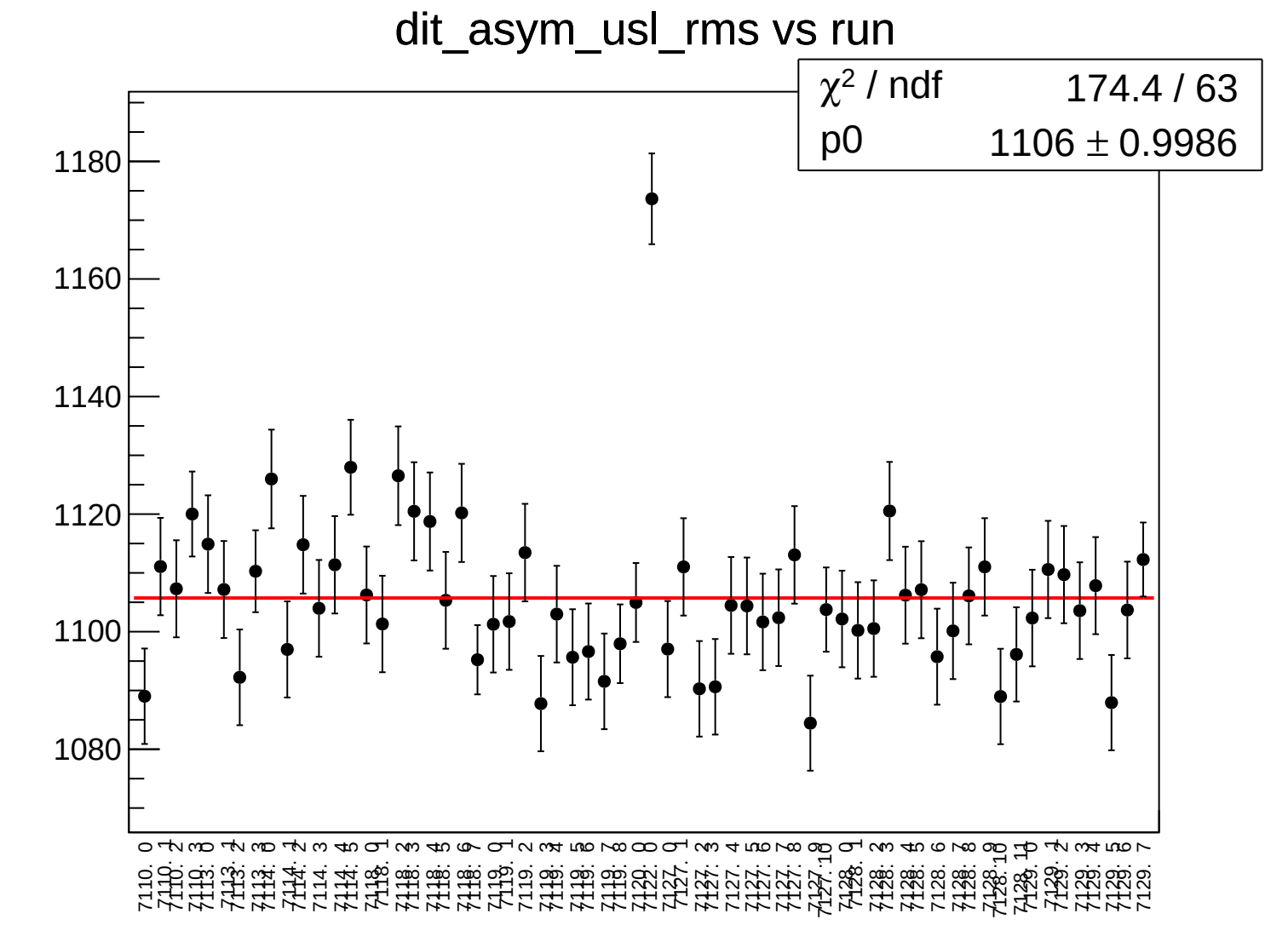

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 56.06 / 63
p0 −2363 ± 2003
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 406.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

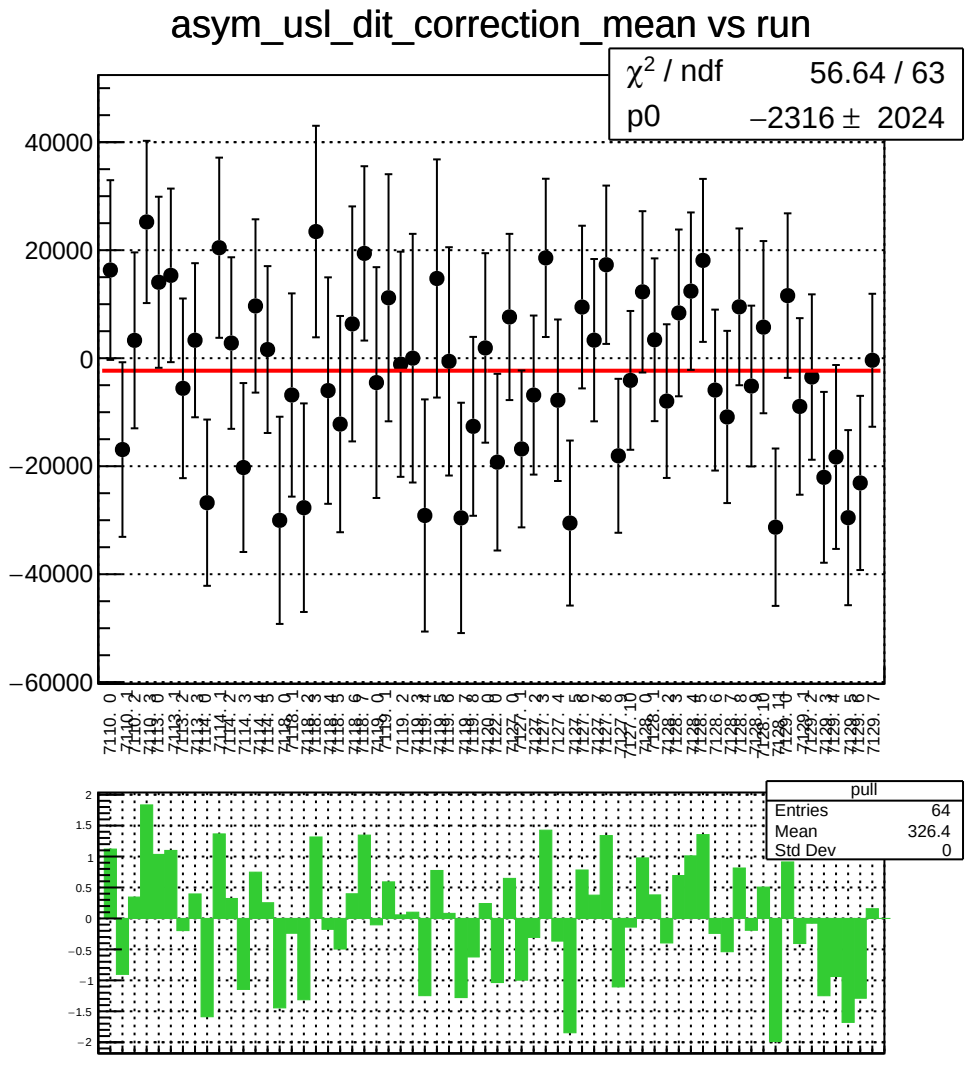

pull1D
Entries 64
Mean −0.009058
Std Dev 0.9359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

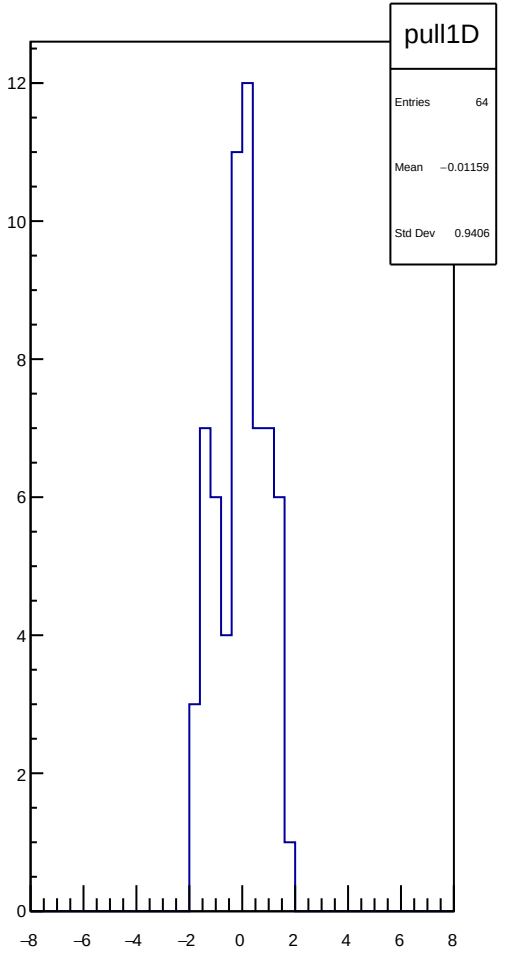

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2.688e+04 / 63
p0 1551 ± 1.417
2200
2000
1800
1600
1400

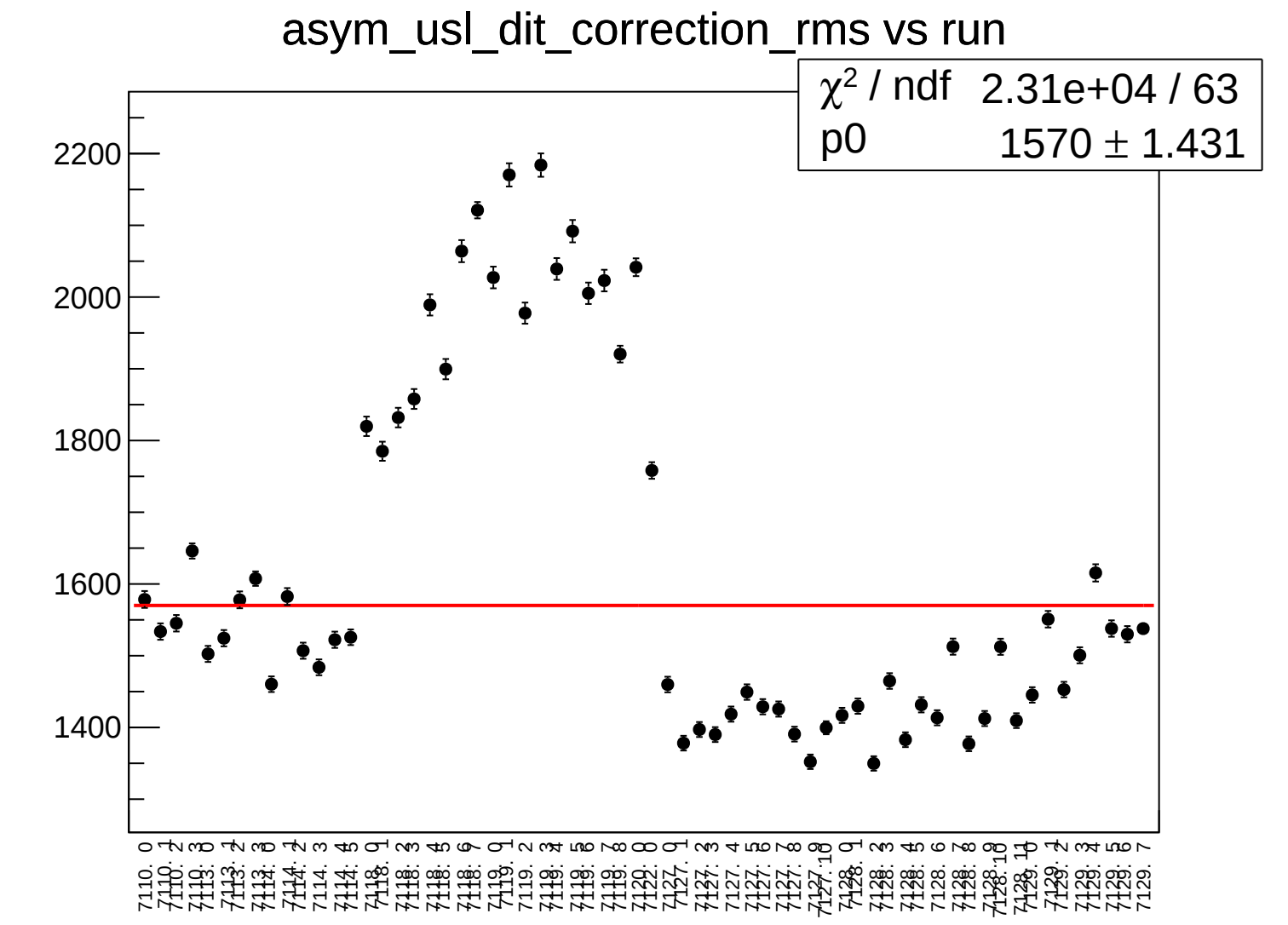

dit_asym_usl_mean vs run
χ^2 / ndf 41.22 / 63
p0 1814 ± 1412
pull
Entries 64
Mean −113.3
Std Dev 0

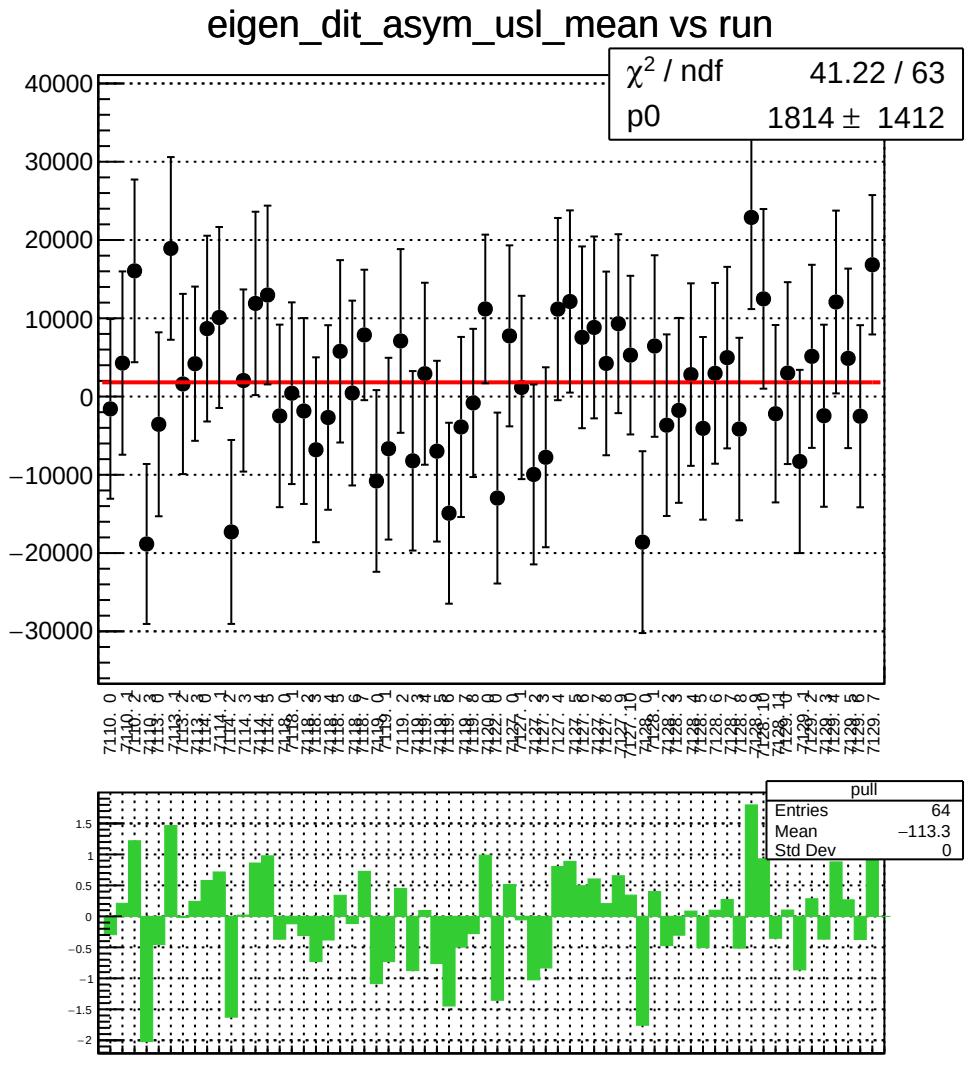

pull1D
Entries 64
Mean −0.0106
Std Dev 0.8025

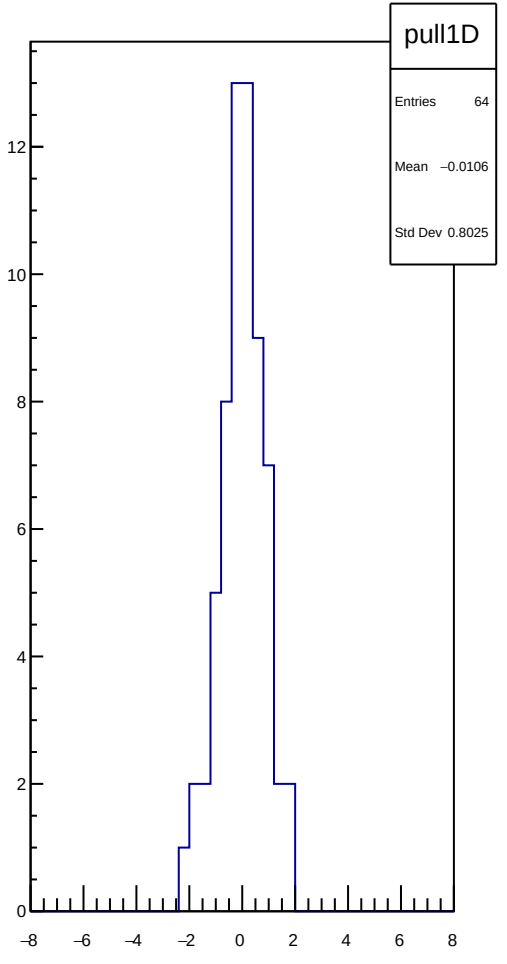

dit_asym_usl_rms vs run
χ² / ndf 174.4 / 63
p0 1106 ± 0.9986
1180
1160
1140
1120
1100
1080

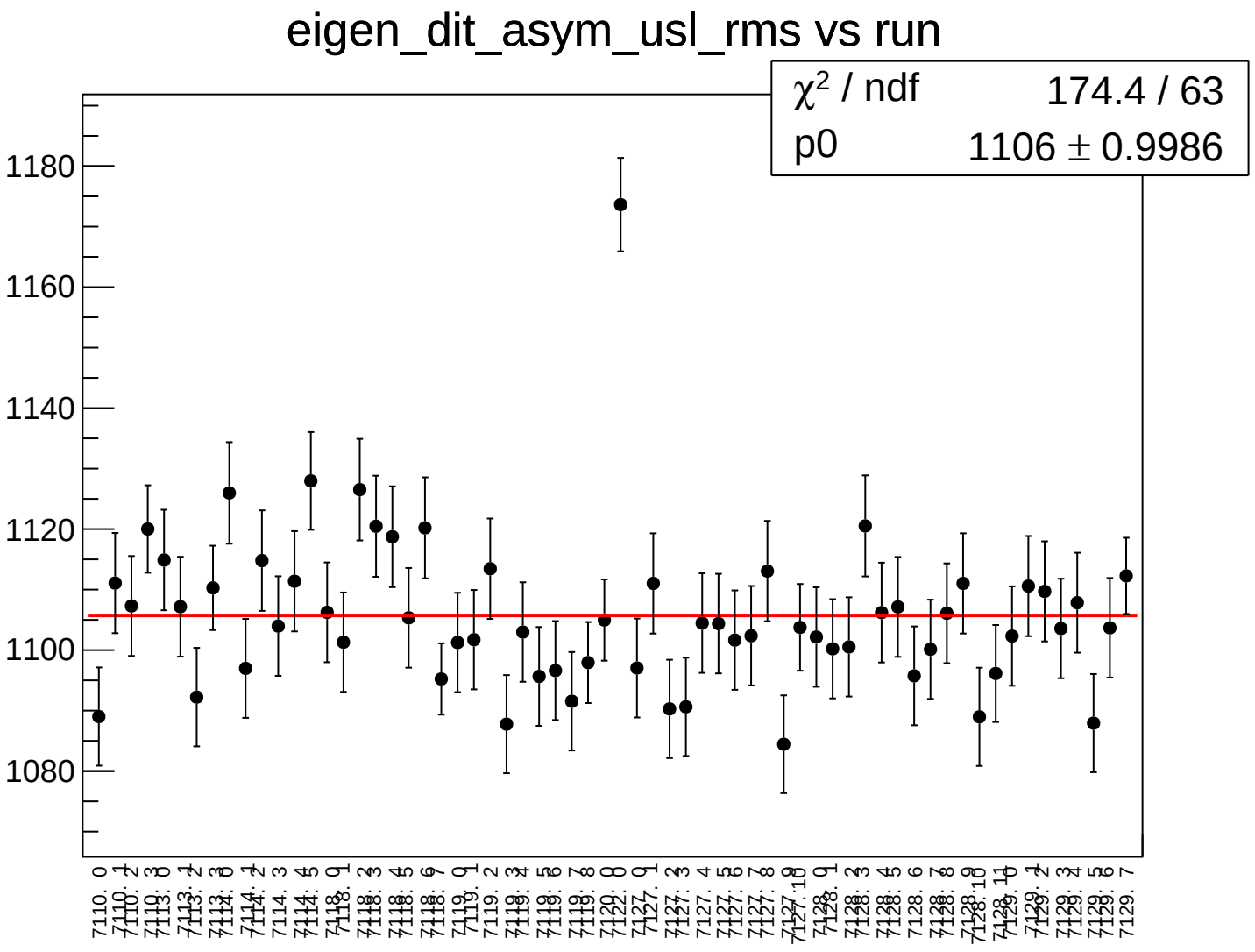

asym_usl_dit_correction_mean vs run
χ² / ndf 56.64 / 63
p0 −2316 ± 2024
pull
Entries 64
Mean 326.4
Std Dev 0

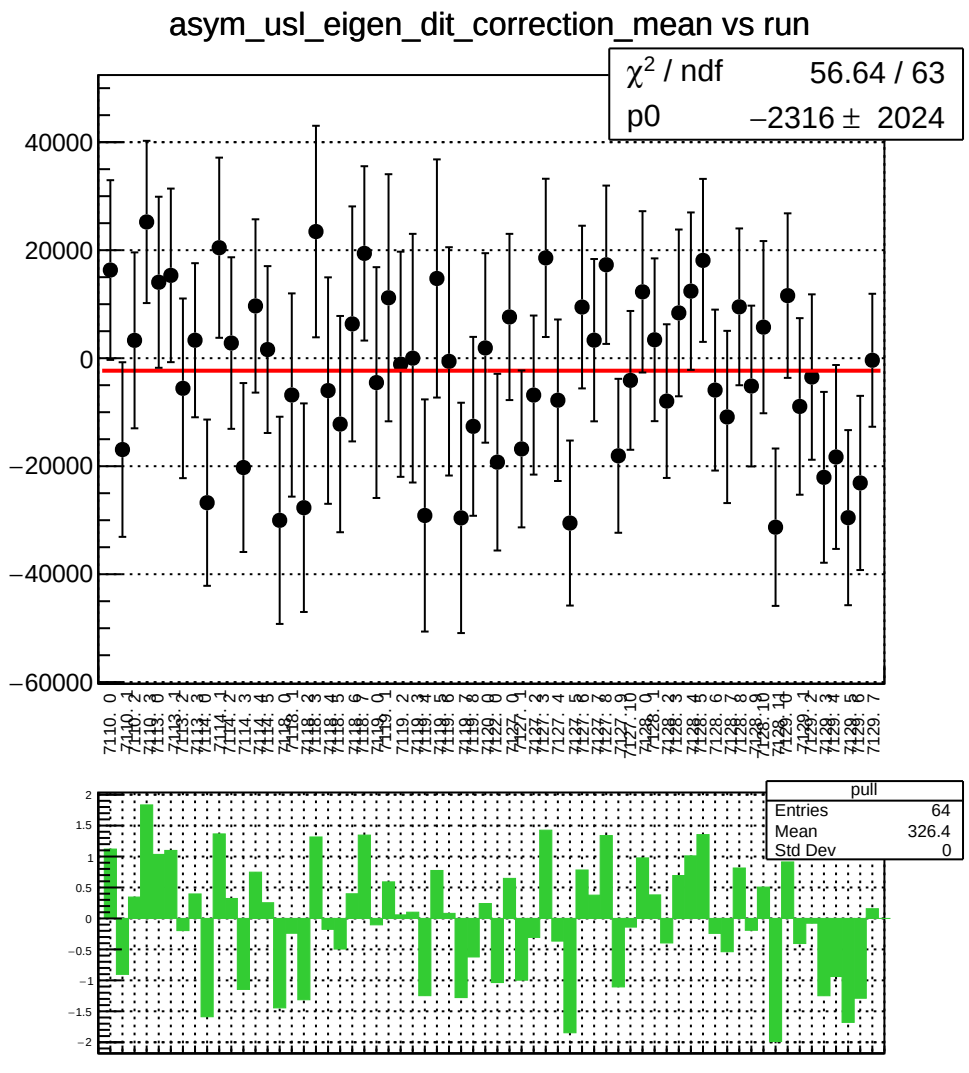

pull1D
Entries 64
Mean −0.01159
Std Dev 0.9406

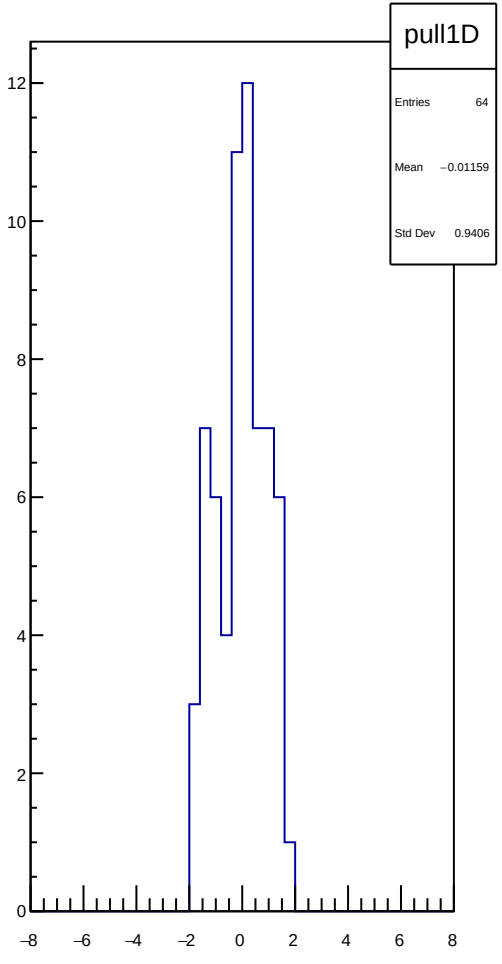

asym_usl_dit_correction_rms vs run
χ² / ndf 2.31e+04 / 63
p0 1570 ± 1.431
2200
2000
1800
1600
1400

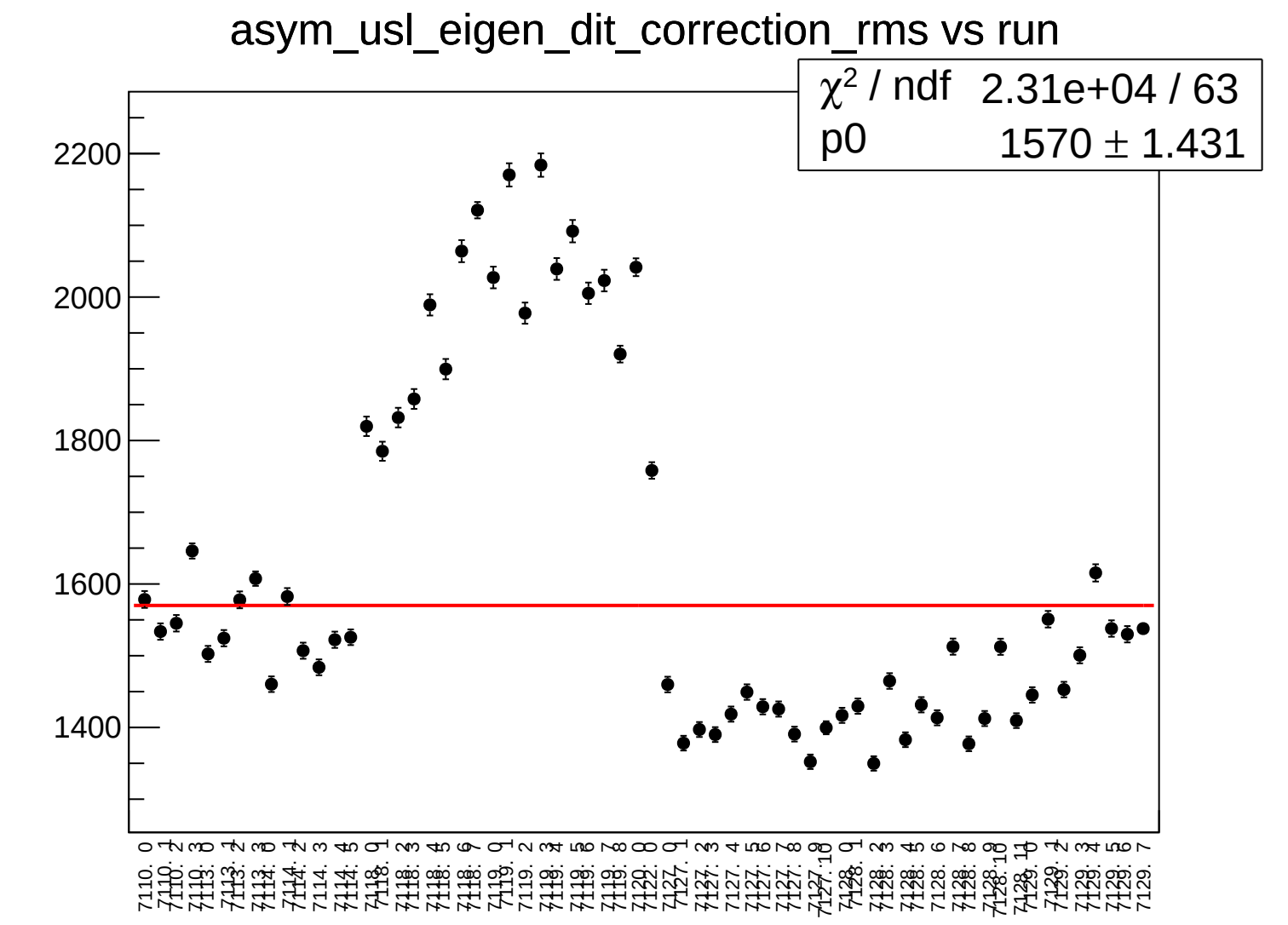

eigen_dit_asym_usl_mean vs run
χ² / ndf 41.22 / 63
p0 1814 ± 1412
pull
Entries 64
Mean −113.3
Std Dev 0

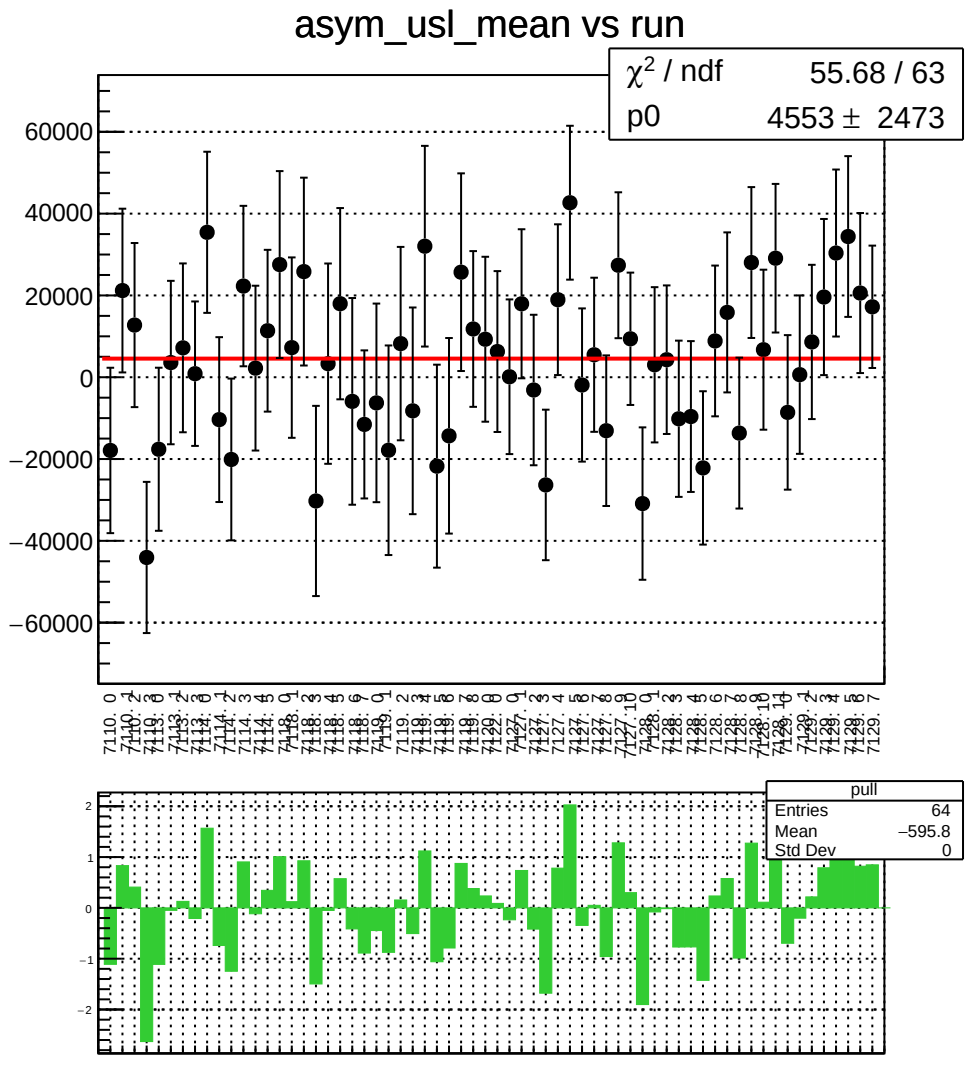

pull1D
Entries 64
Mean −0.0106
Std Dev 0.8025

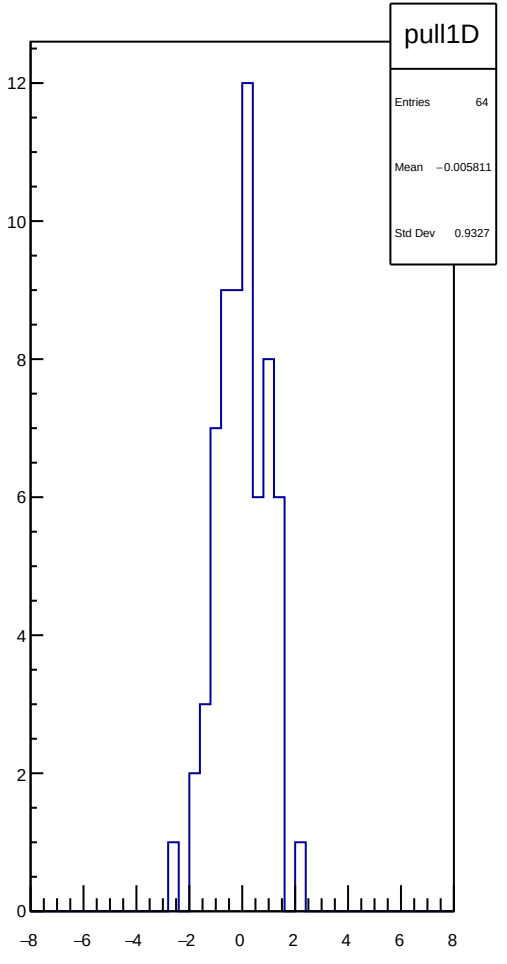

eigen_dit_asym_usl_rms vs run
χ² / ndf 174.4 / 63
p0 1106 ± 0.9986
1180
1160
1140
1120
1100
1080

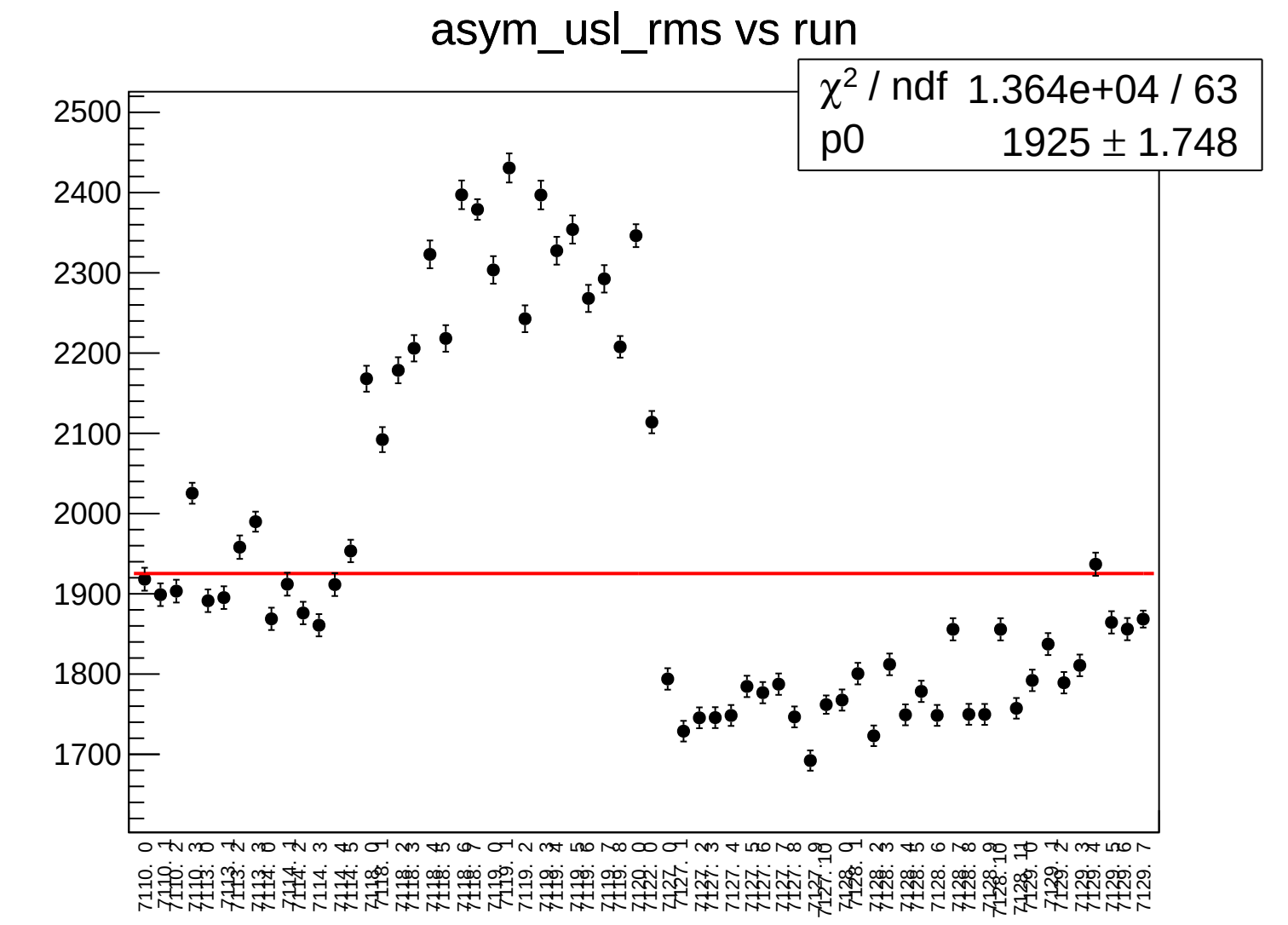

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 56.64 / 63
p0 −2316 ± 2024
pull
Entries 64
Mean 326.4
Std Dev 0

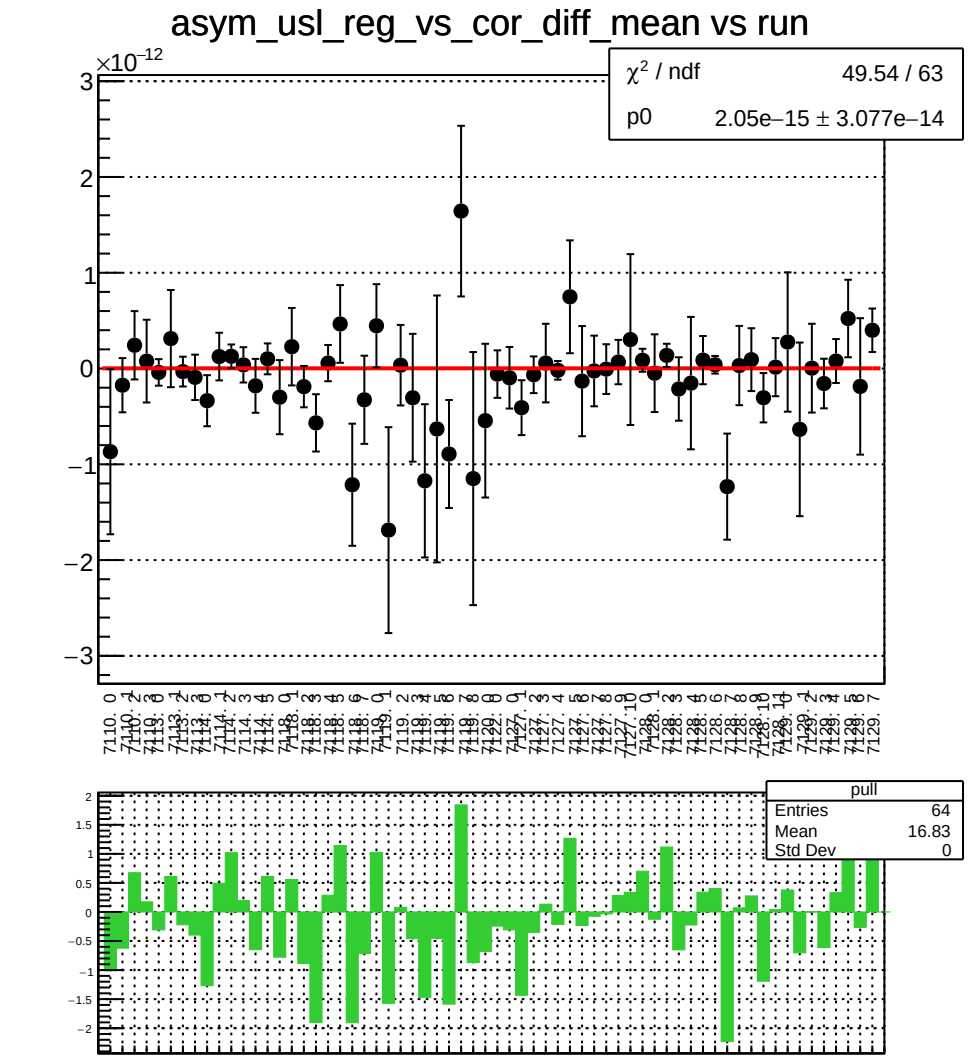

pull1D
Entries 64
Mean −0.01159
Std Dev 0.9406

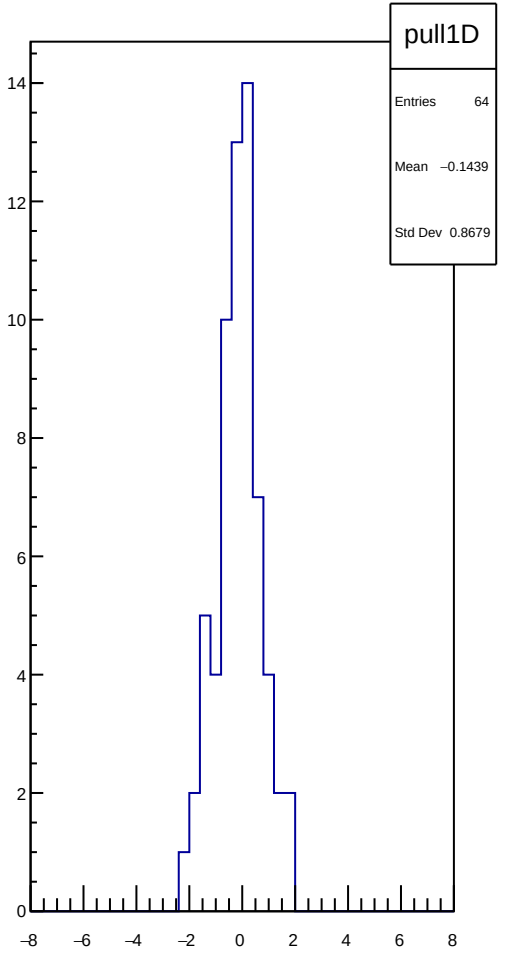

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 2.31e+04 / 63
p0 1570 ± 1.431
2200
2000
1800
1600
1400

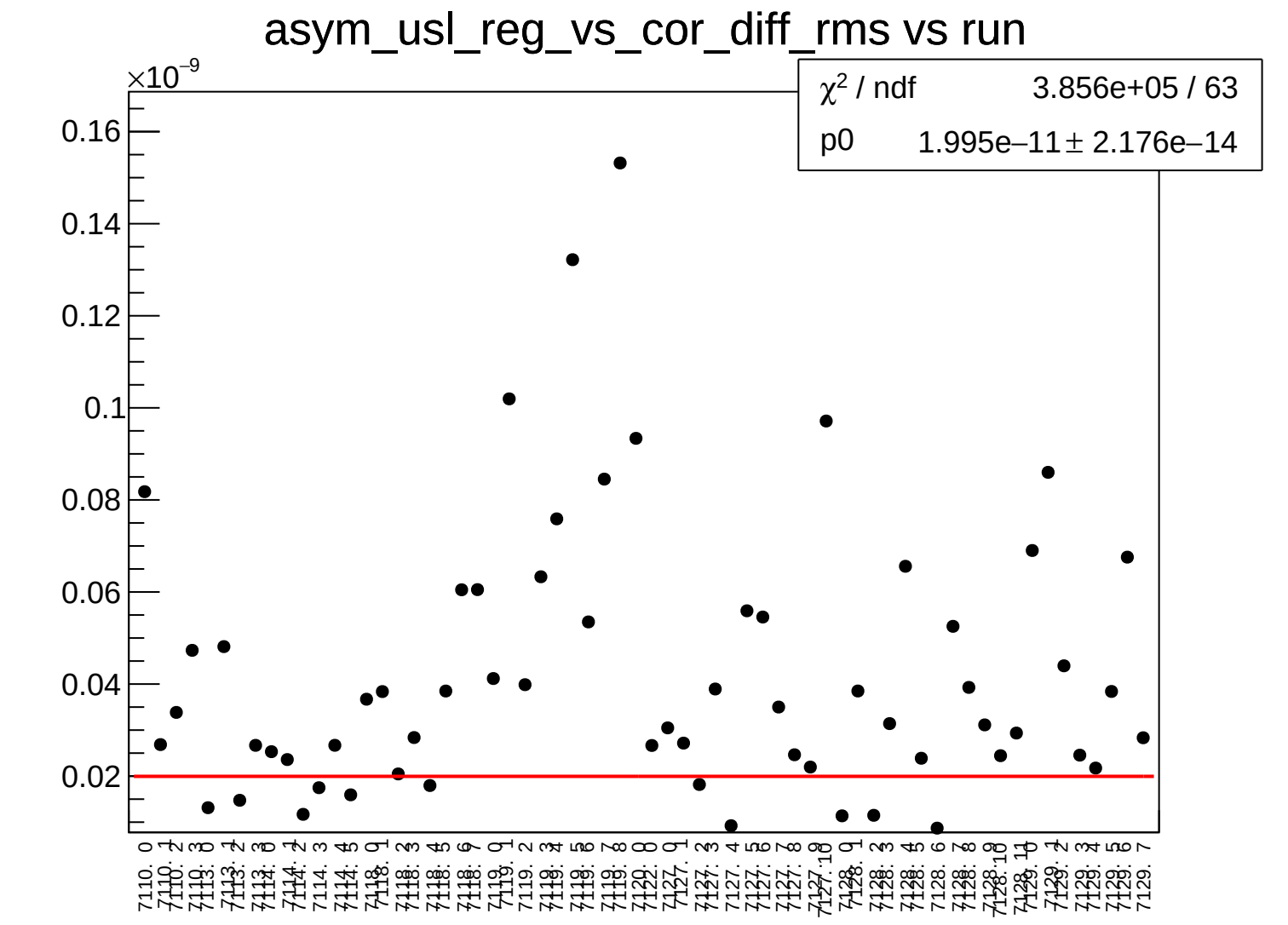

asym_usl_mean vs run
χ² / ndf 55.68 / 63
p0 4553 ± 2473
pull
Entries 64
Mean −595.8
Std Dev 0

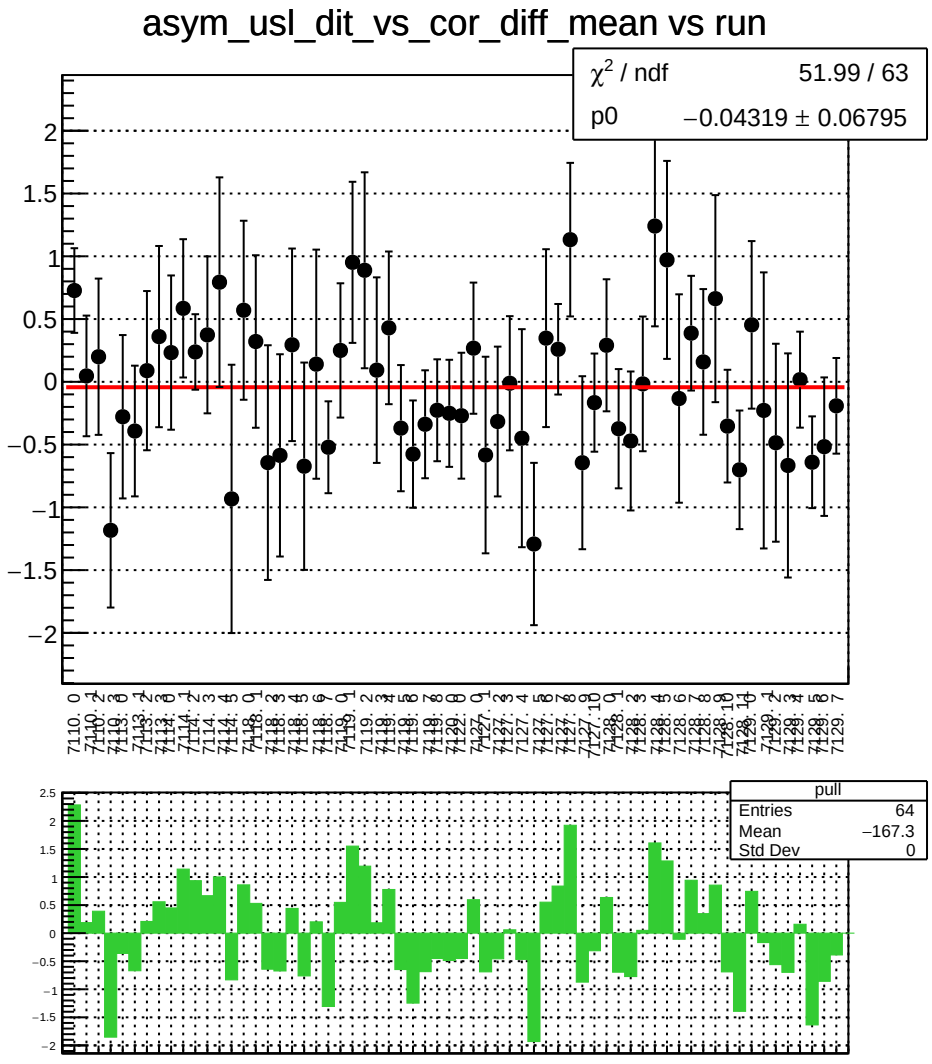

pull1D
Entries 64
Mean −0.005811
Std Dev 0.9327

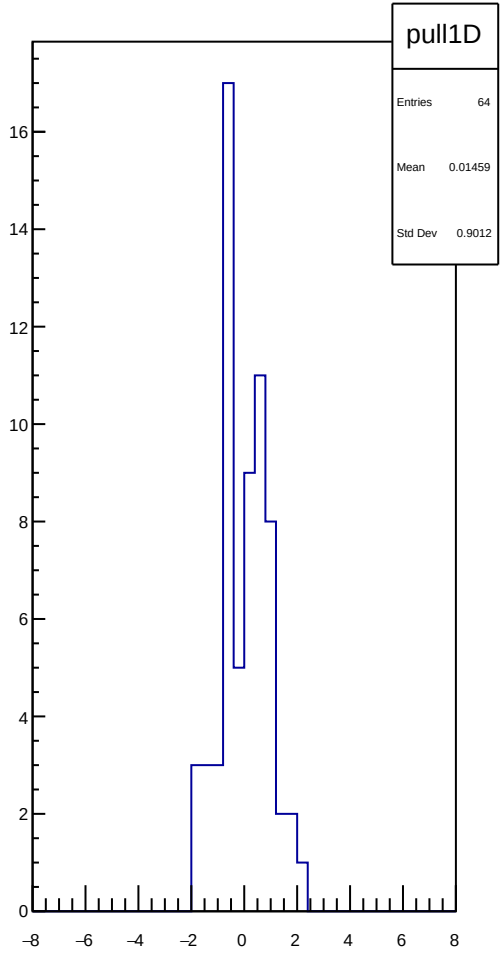

asym_usl_rms vs run
χ² / ndf 1.364e+04 / 63
p0 1925 ± 1.748
2500
2400
2300
2200
2100
2000
1900
1800
1700

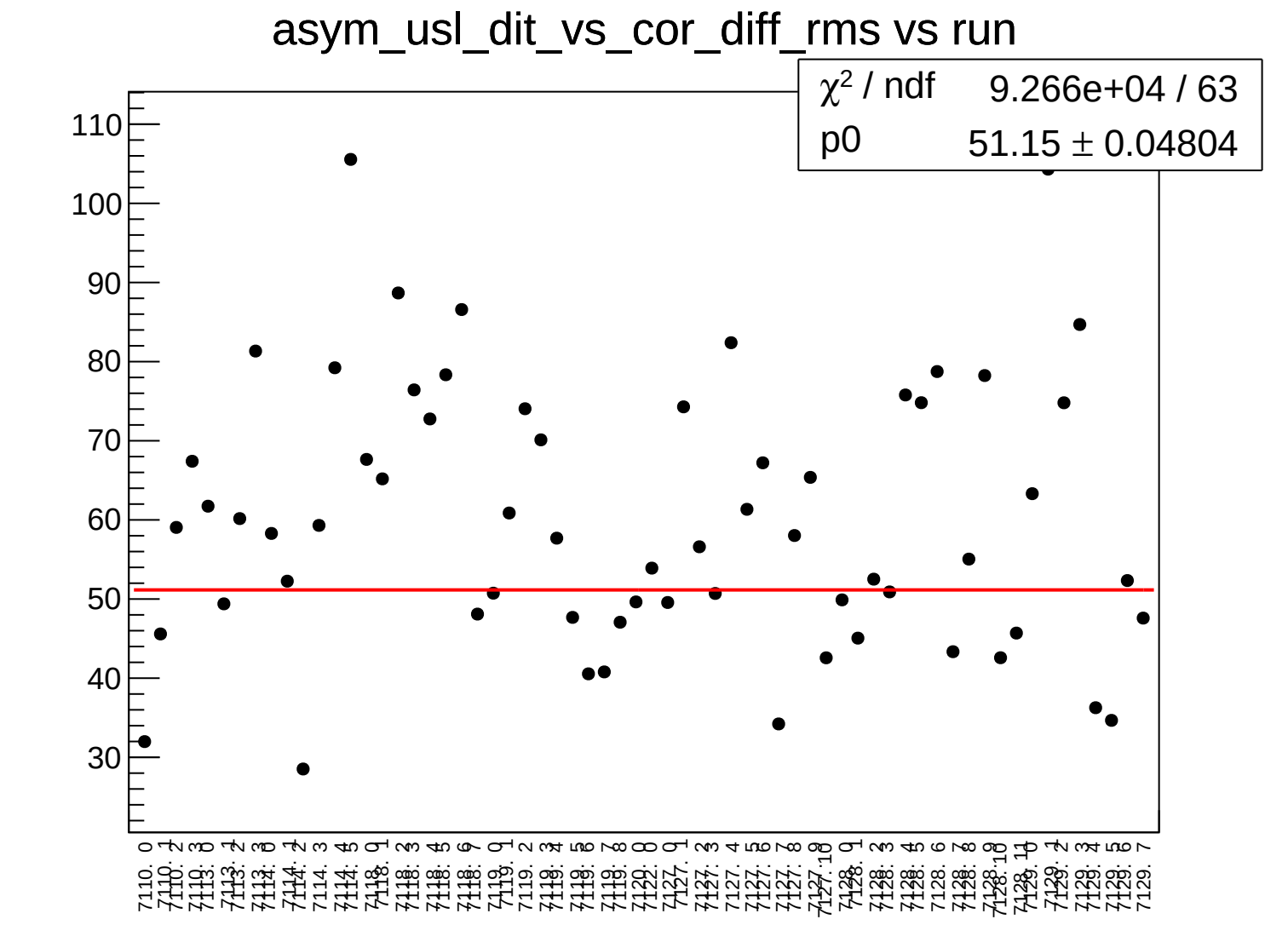

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.54 / 63
p0 2.05e−15 ± 3.077e−14
pull
Entries 64
Mean 16.83
Std Dev 0

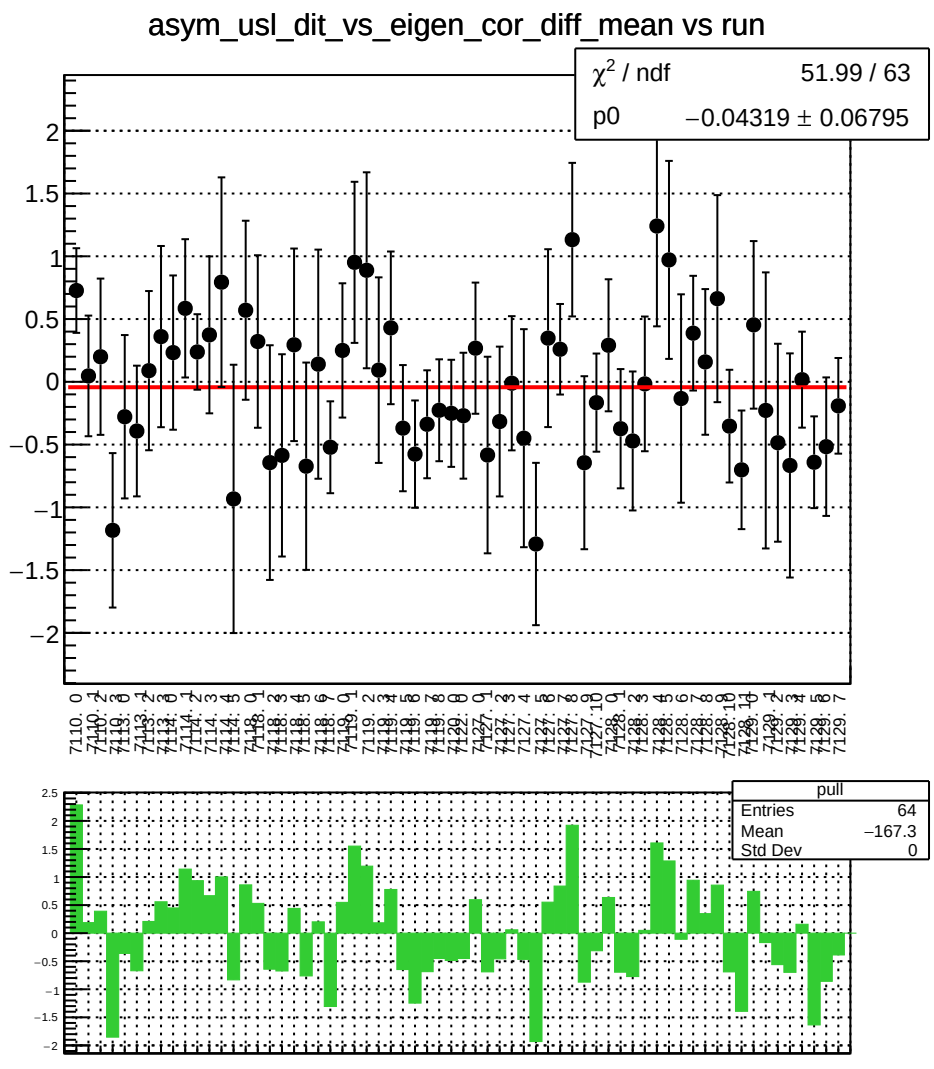

pull1D
Entries 64
Mean −0.1439
Std Dev 0.8679

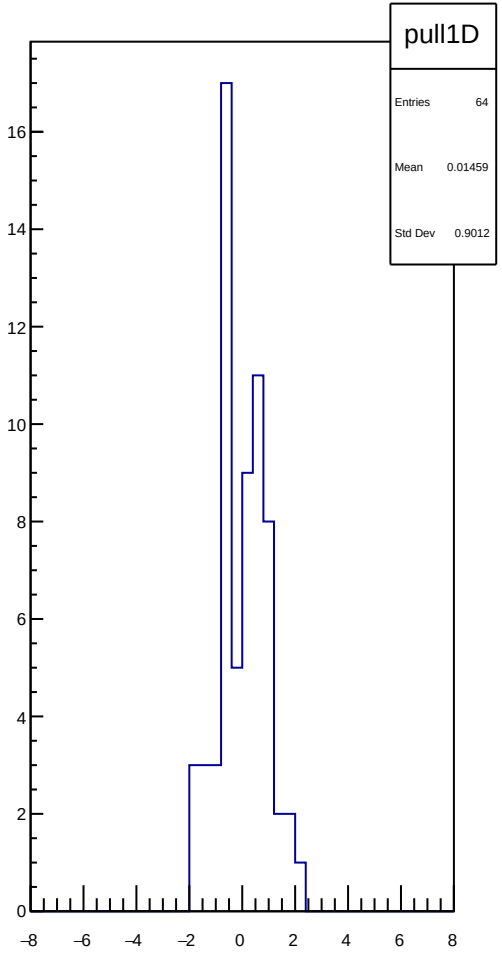

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.856e+05 / 63
p0 1.995e−11 ± 2.176e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

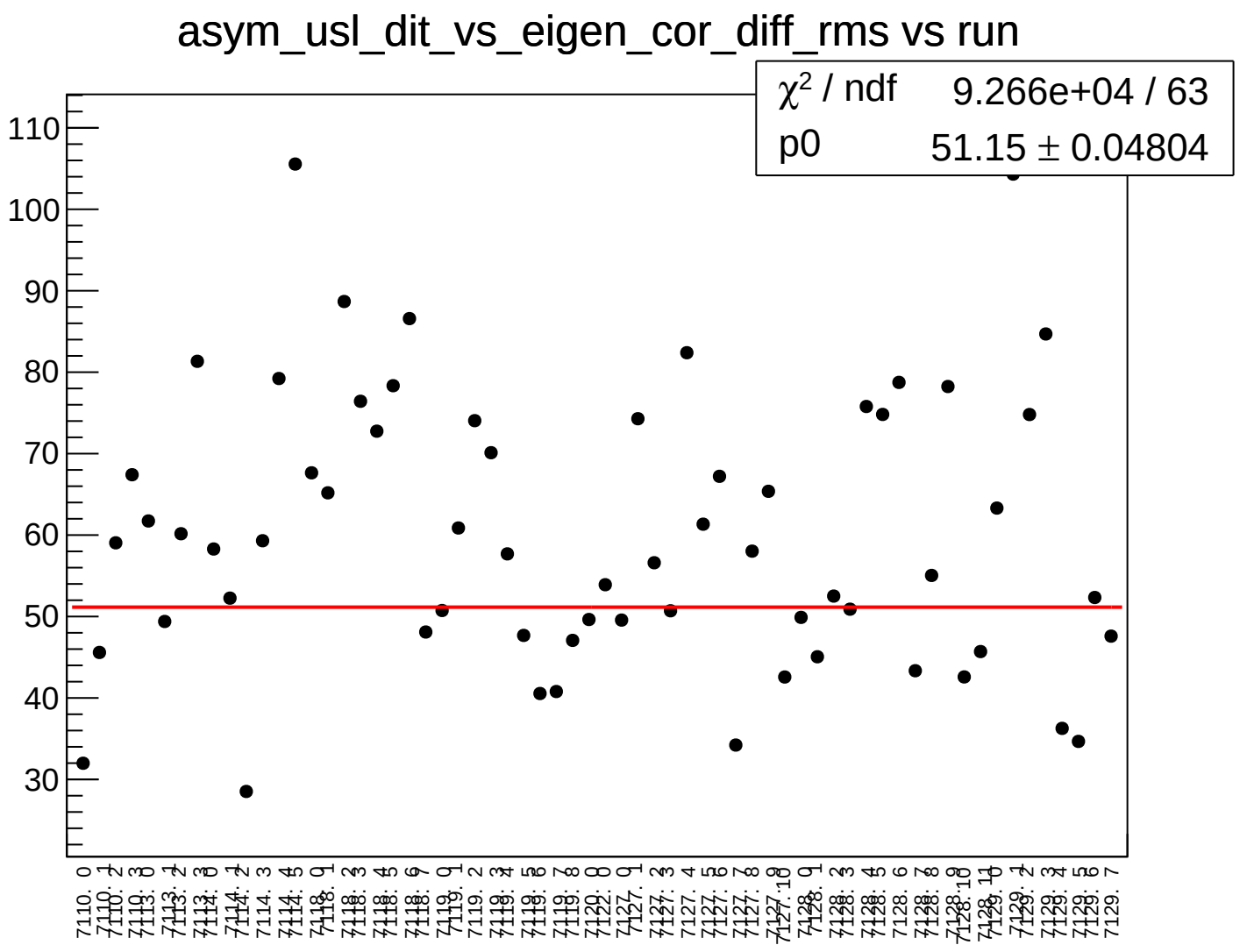

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 51.99 / 63
p0 −0.04319 ± 0.06795
pull
Entries 64
Mean −167.3
Std Dev 0

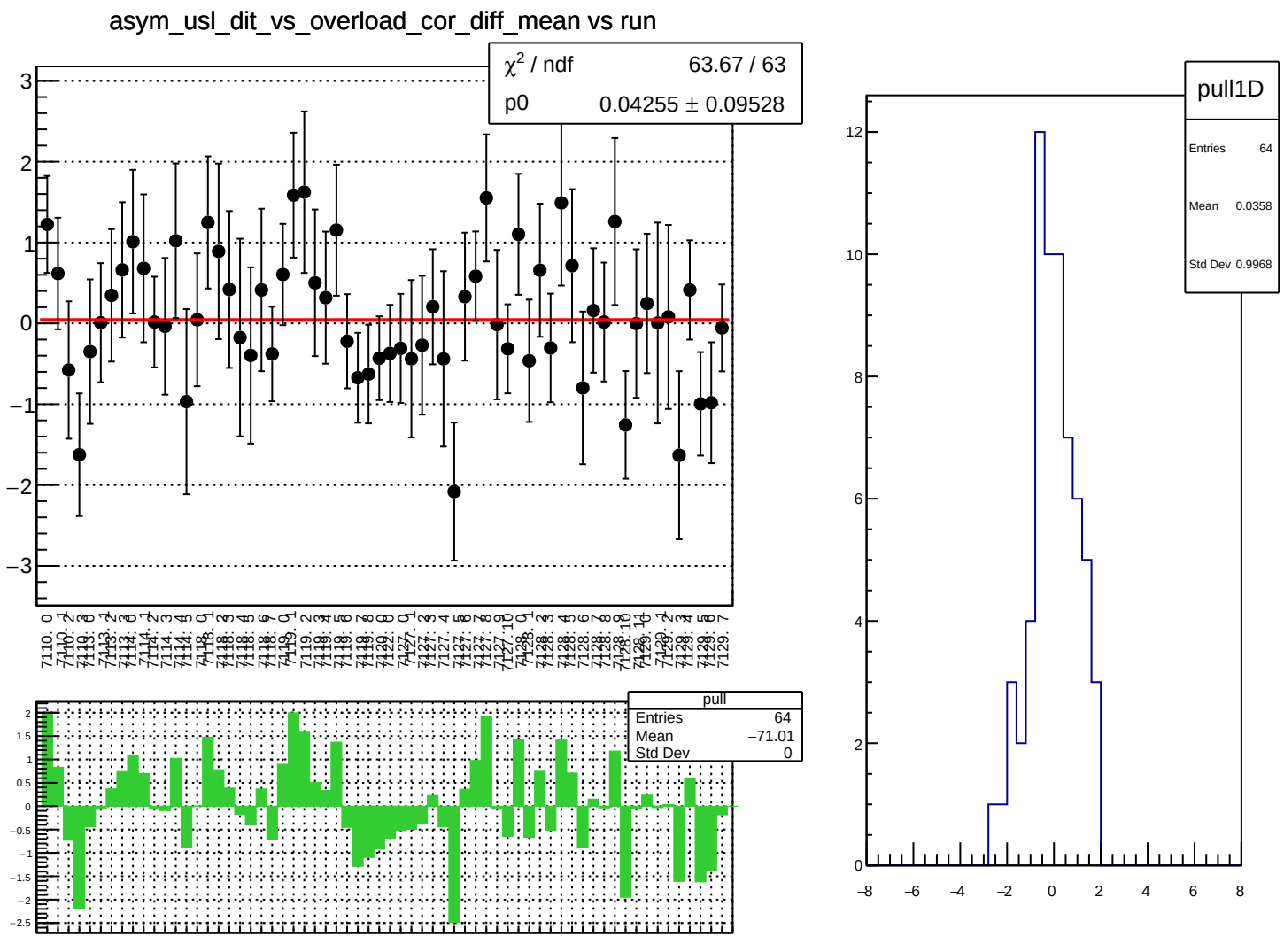

pull1D
Entries 64
Mean 0.01459
Std Dev 0.9012

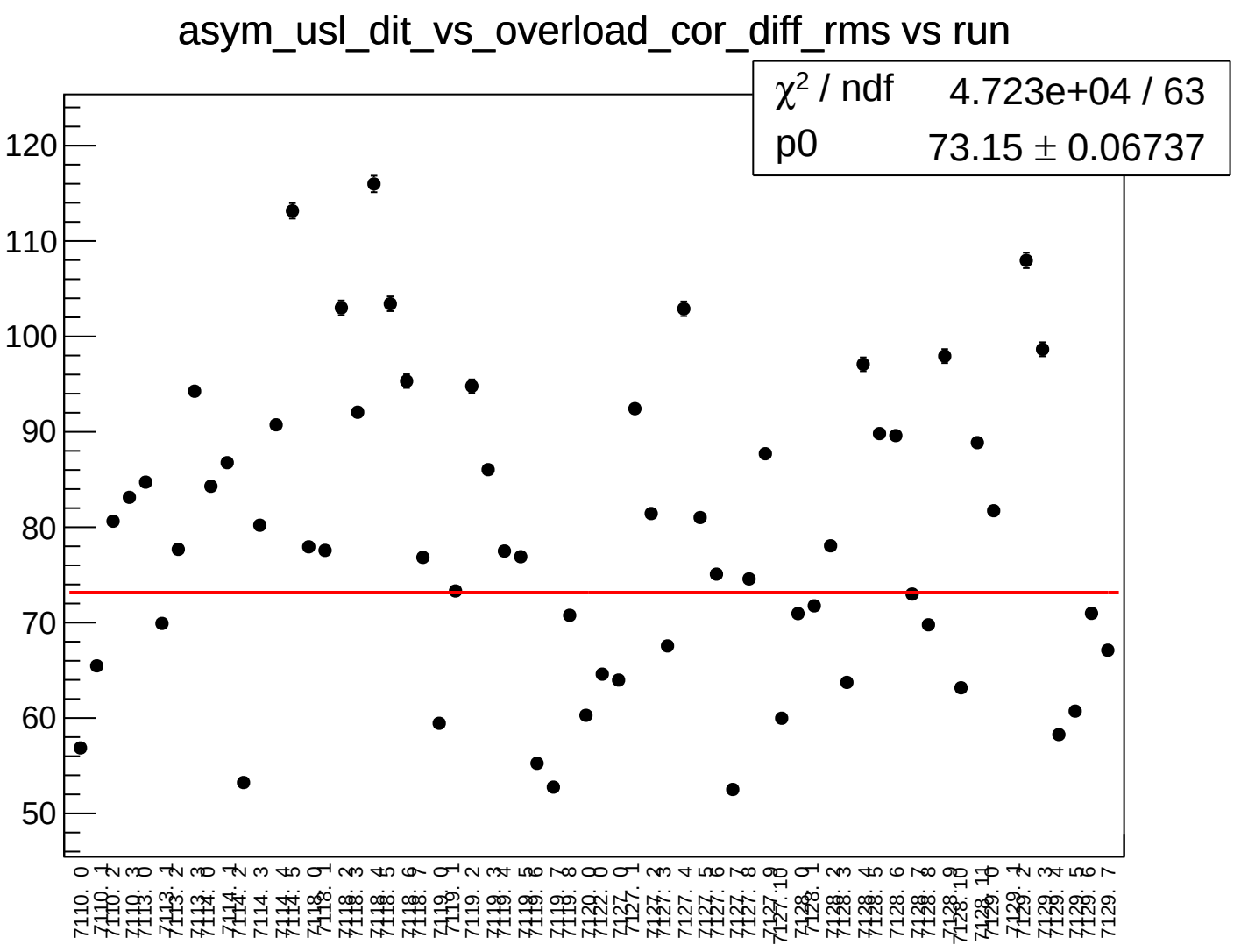

asym_usl_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.266e+04 / 63
p0 51.15 ± 0.04804
110
100
90
80
70
60
50
40
30

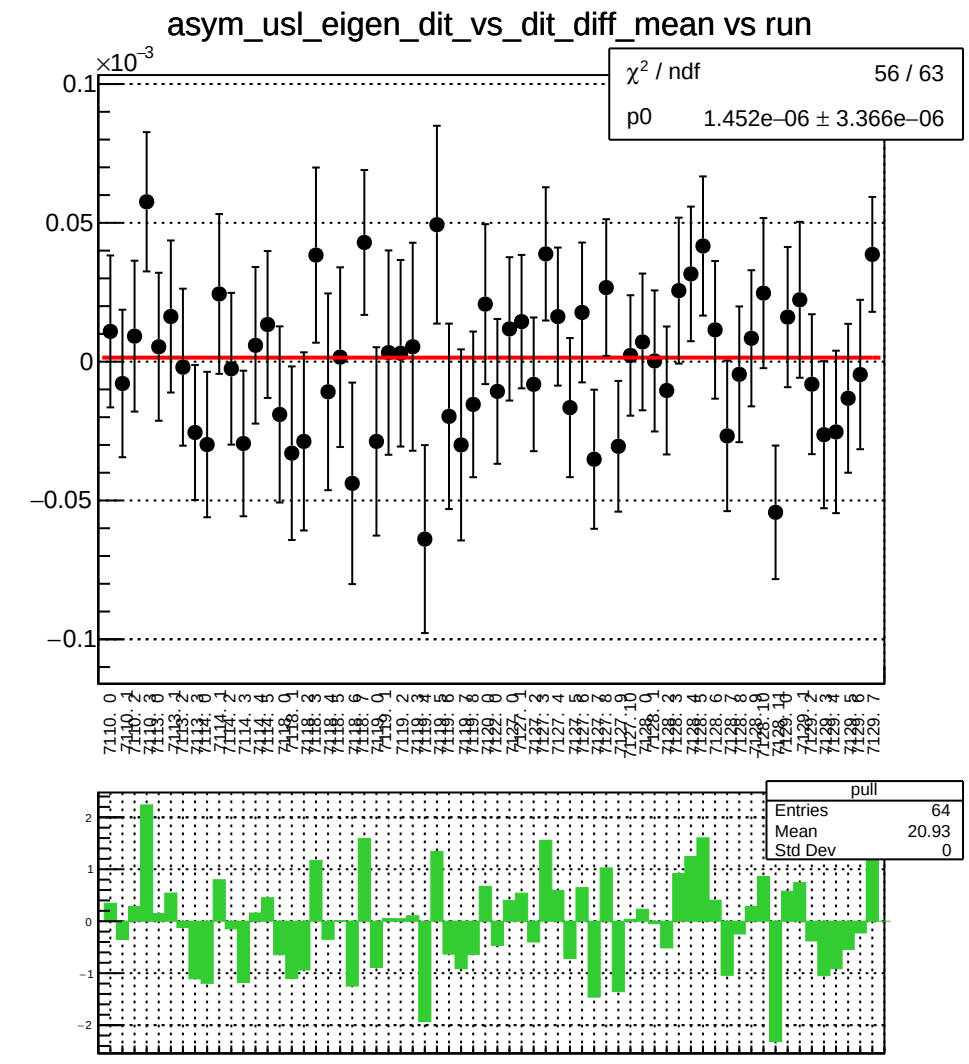

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.99 / 63
p0 −0.04319 ± 0.06795
pull
Entries 64
Mean −167.3
Std Dev 0

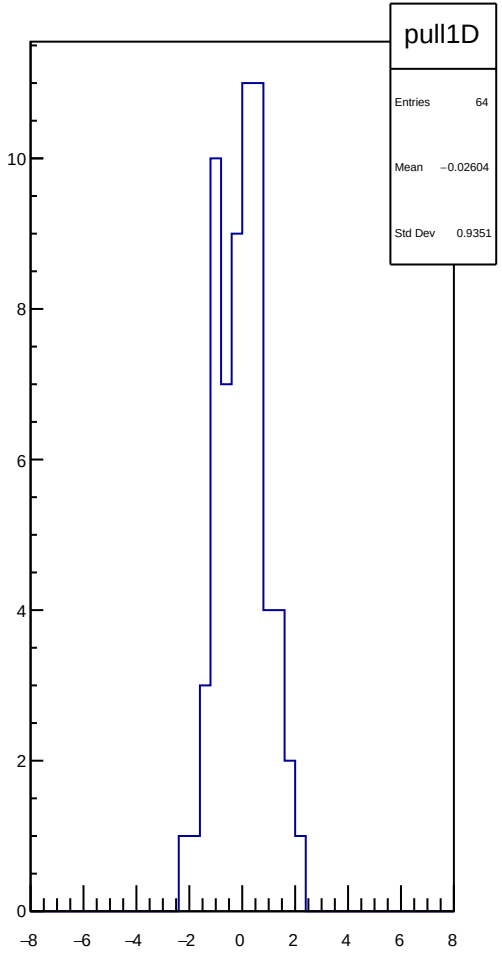

pull1D
Entries 64
Mean 0.01459
Std Dev 0.9012

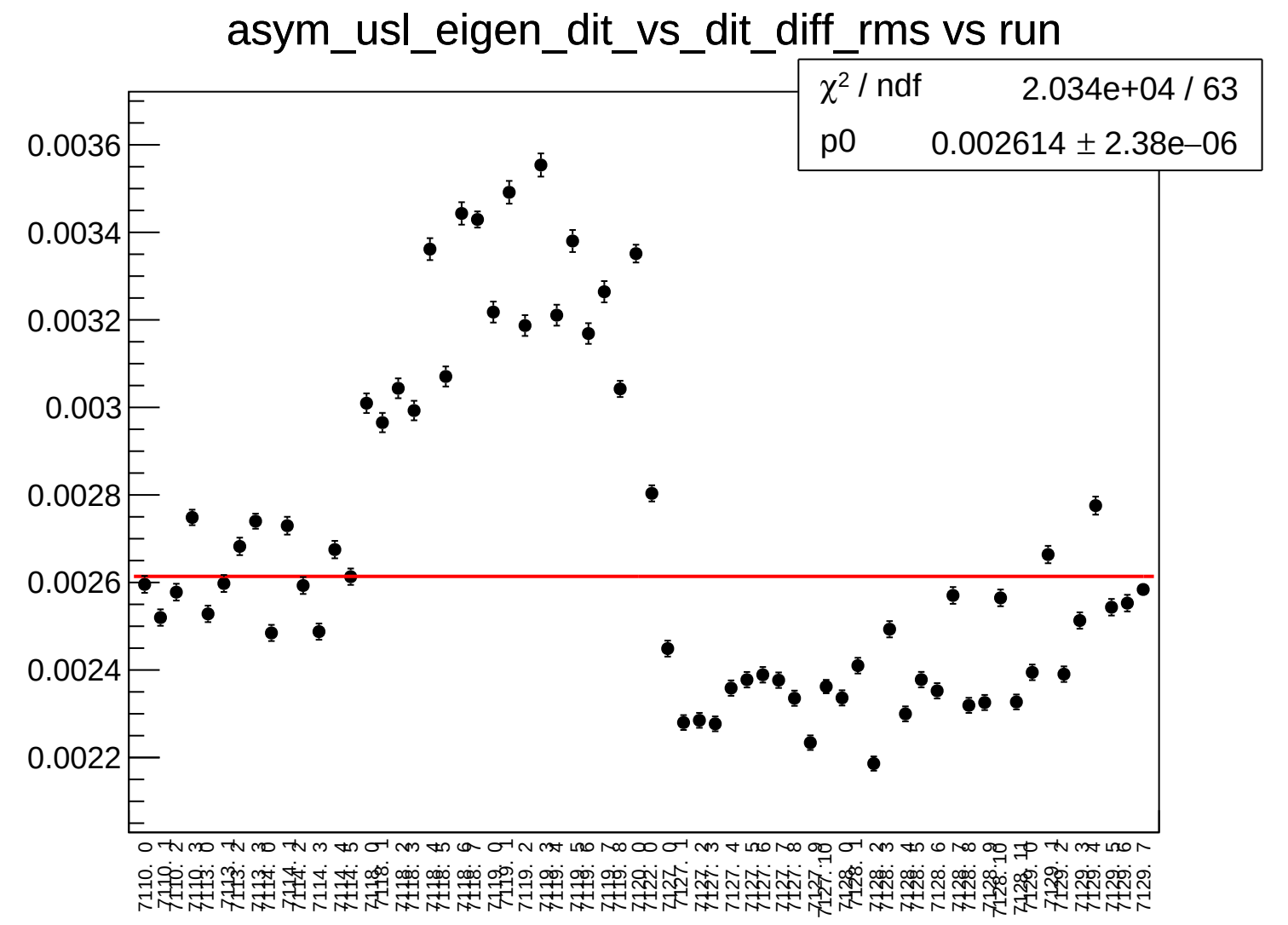

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.266e+04 / 63
p0 51.15 ± 0.04804
110
100
90
80
70
60
50
40
30

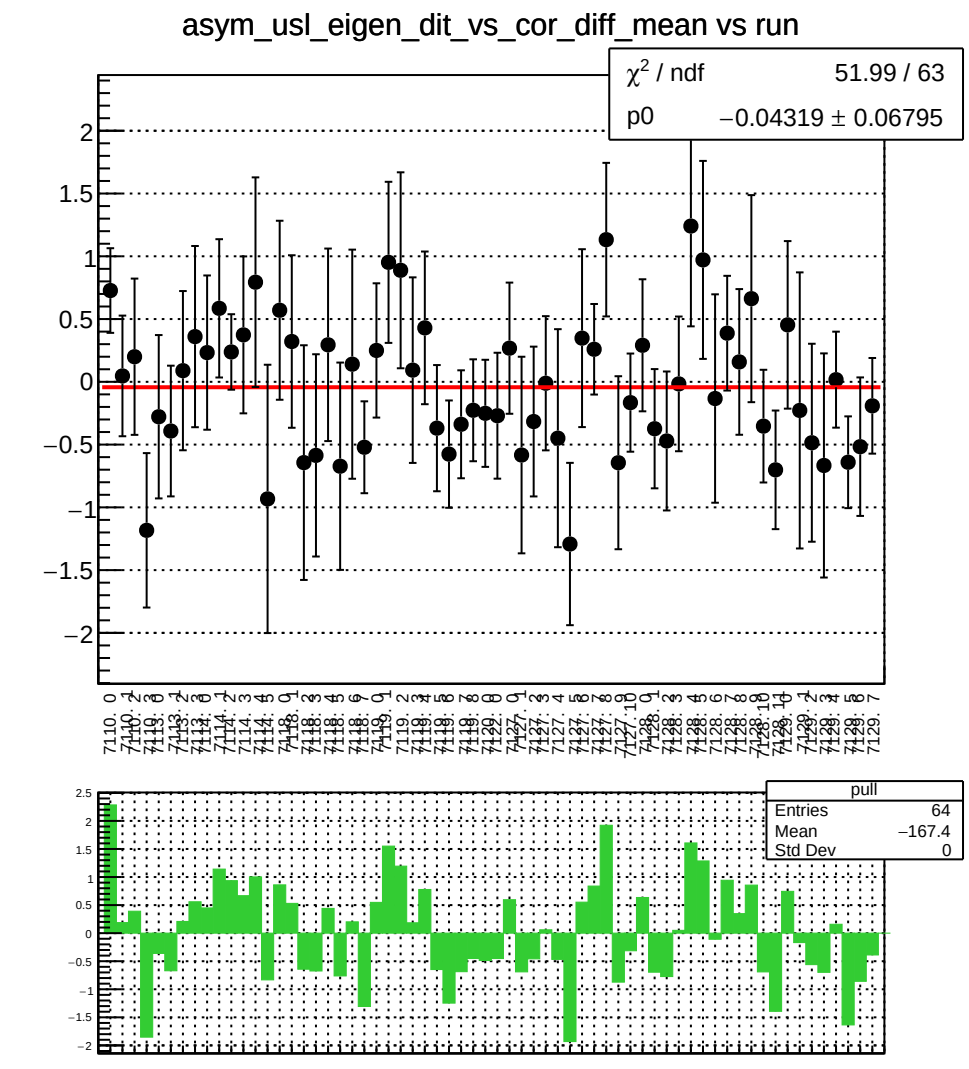

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 63.67 / 63
p0 0.04255 ± 0.09528
pull
Entries 64
Mean −71.01
Std Dev 0
pull1D
Entries 64
Mean 0.0358
Std Dev 0.9968

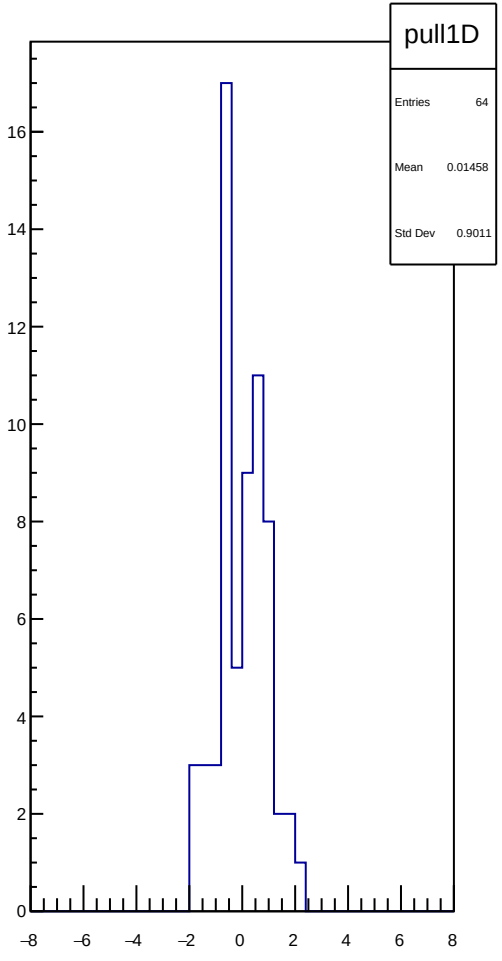

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.723e+04 / 63
p0 73.15 ± 0.06737
120
110
100
90
80
70
60
50

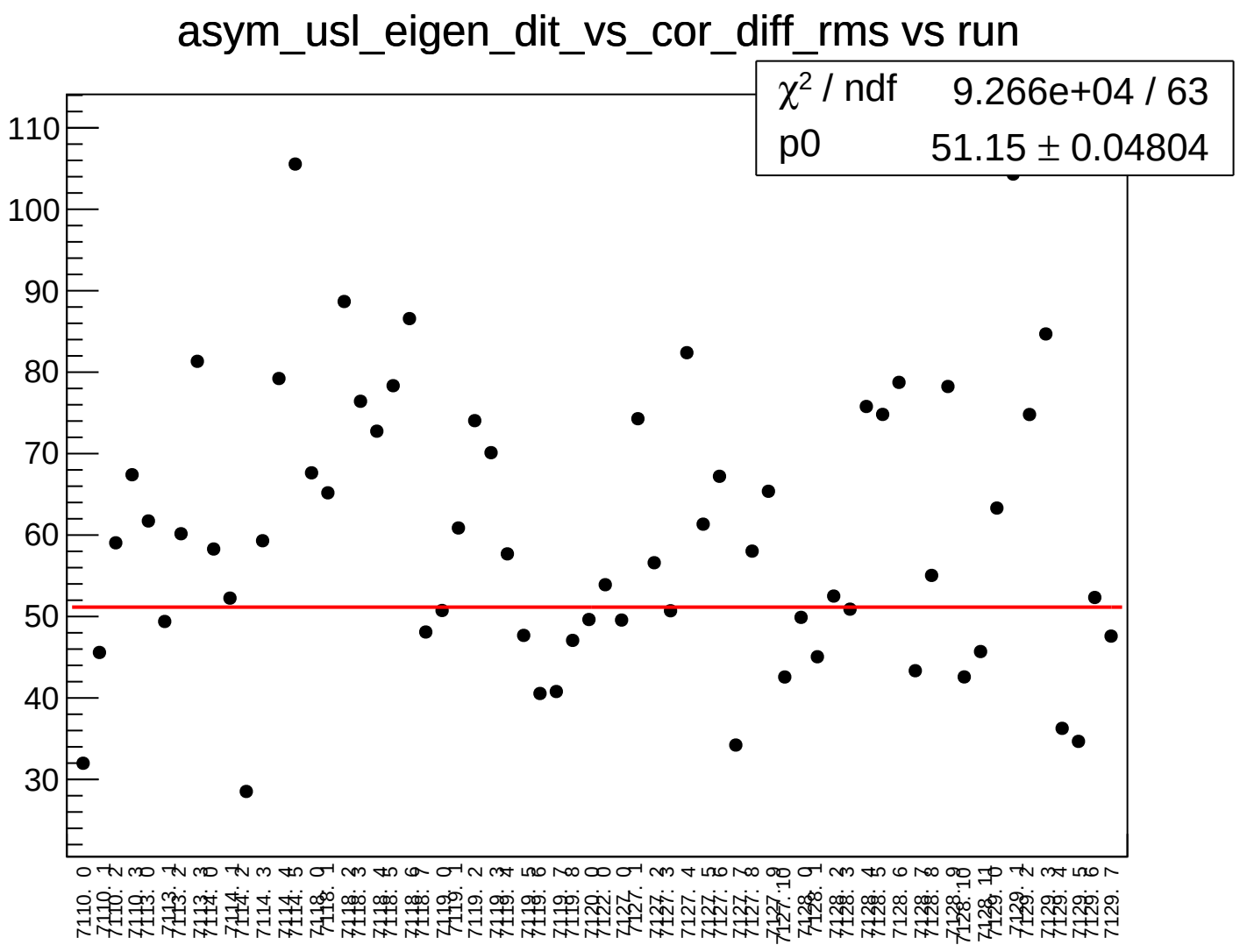

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56 / 63
p0 1.452e−06 ± 3.366e−06
pull
Entries 64
Mean 20.93
Std Dev 0

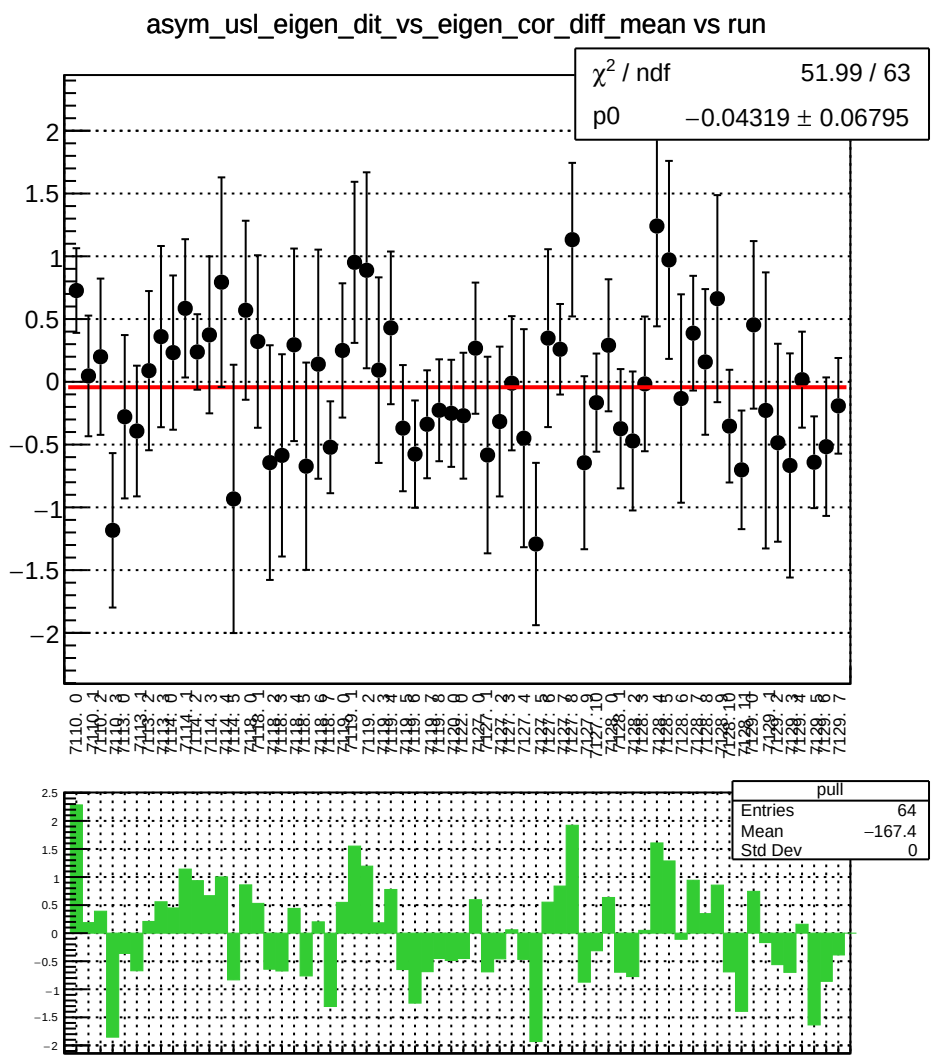

pull1D
Entries 64
Mean −0.02604
Std Dev 0.9351

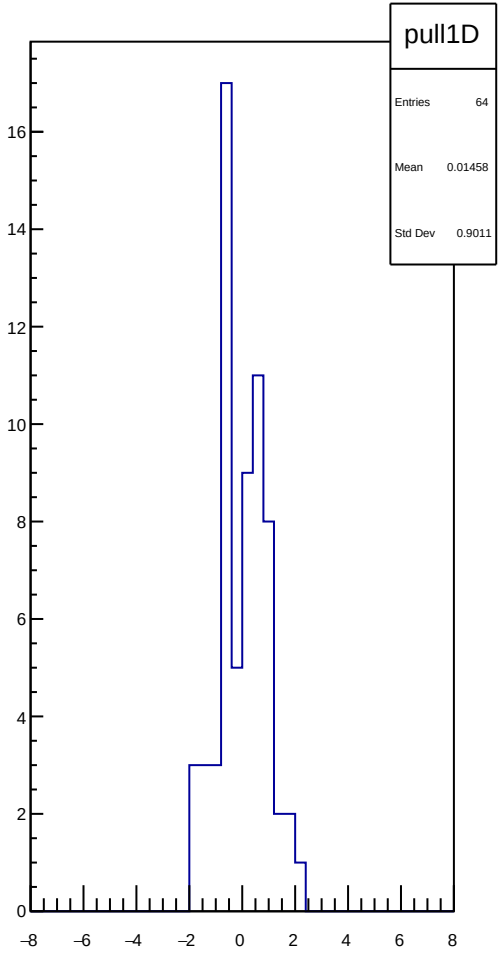

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.034e+04 / 63
p0 0.002614 ± 2.38e–06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

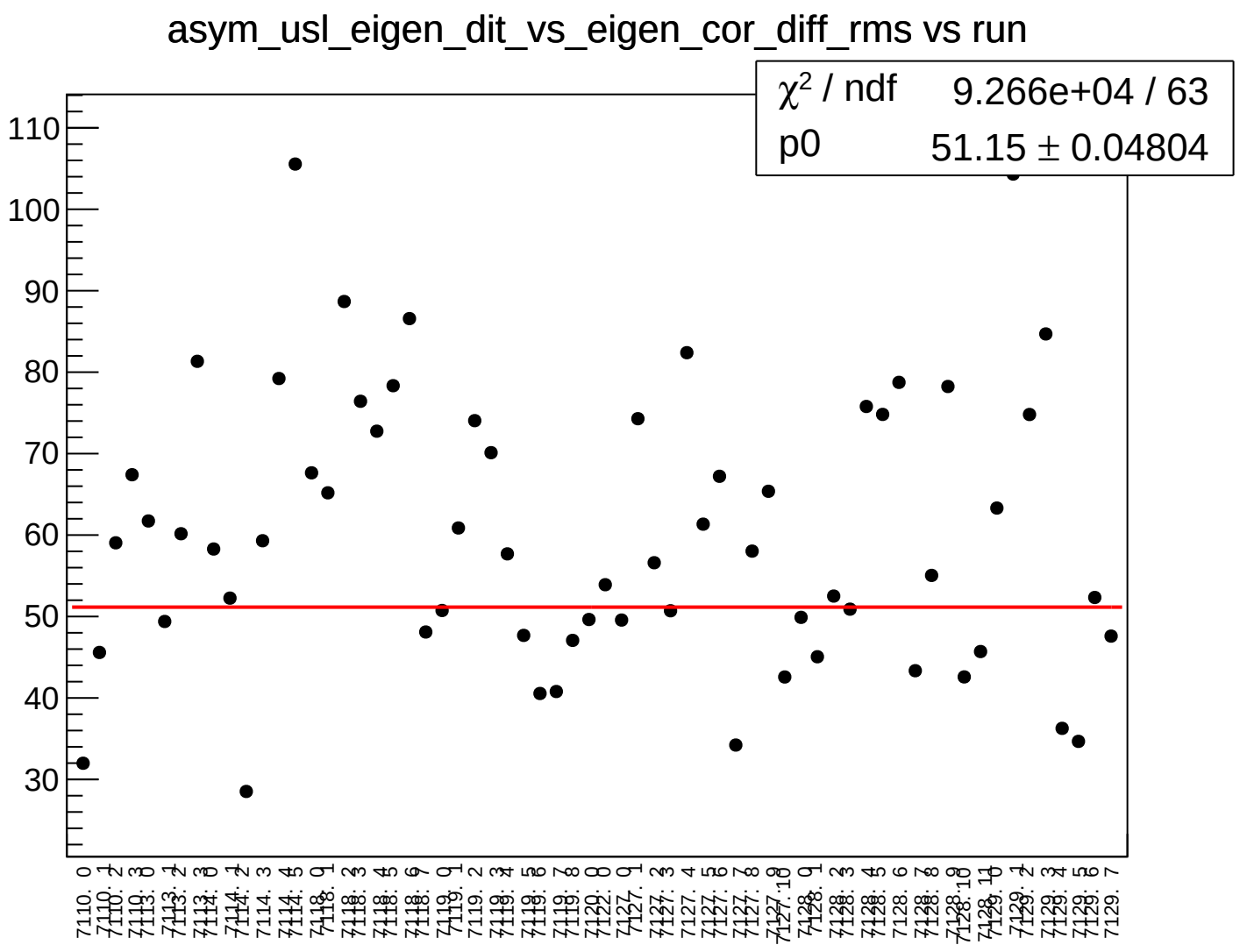

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.99 / 63
p0 −0.04319 ± 0.06795
pull
Entries 64
Mean −167.4
Std Dev 0

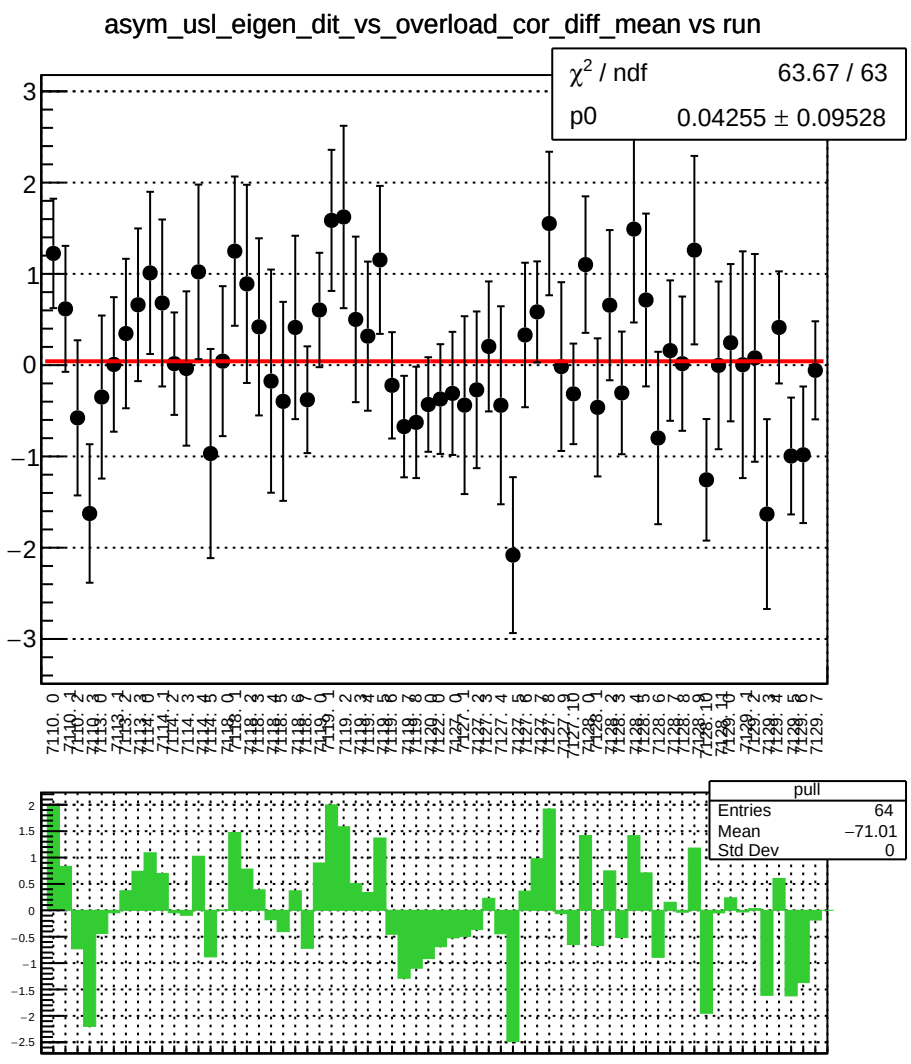

pull1D
Entries 64
Mean 0.01458
Std Dev 0.9011

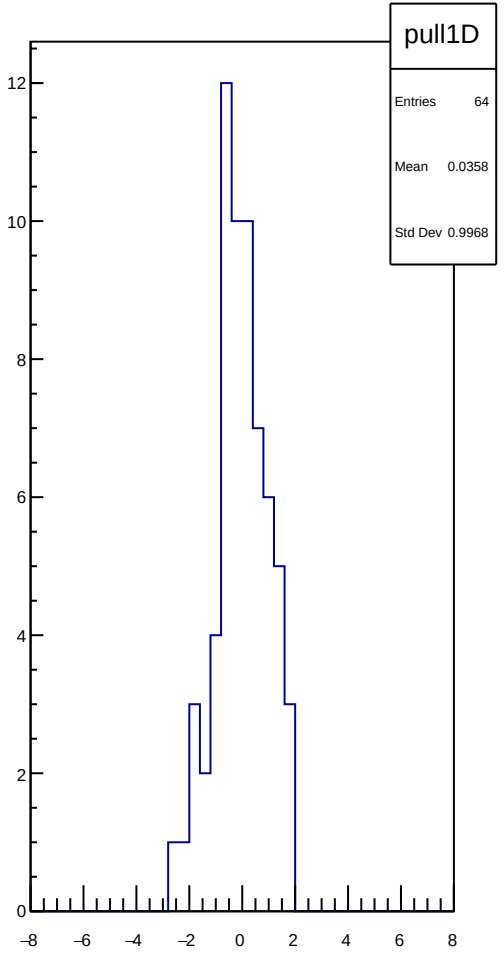

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.266e+04 / 63
p0 51.15 ± 0.04804
110
100
90
80
70
60
50
40
30

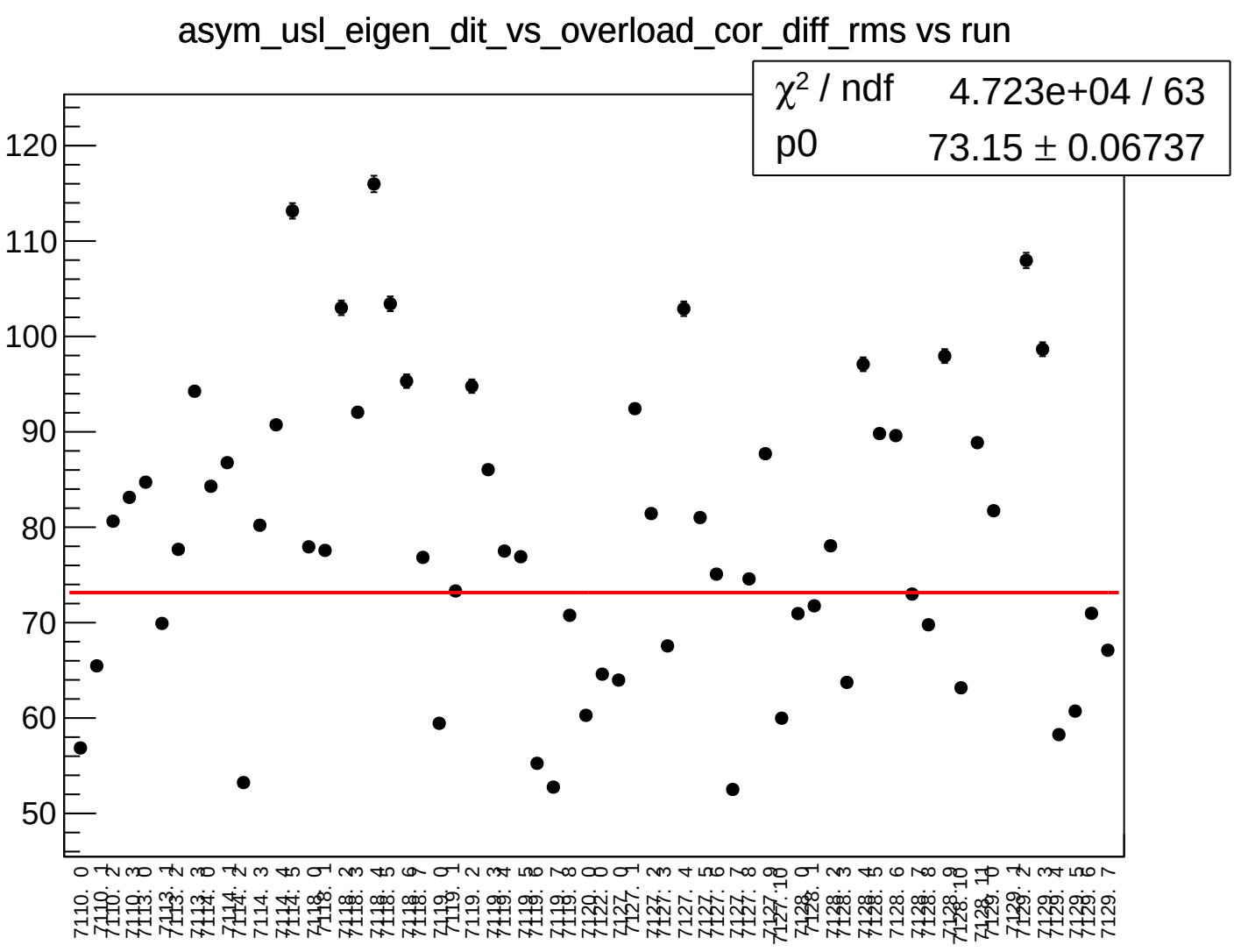

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.99 / 63
p0 −0.04319 ± 0.06795
pull
Entries 64
Mean −167.4
Std Dev 0

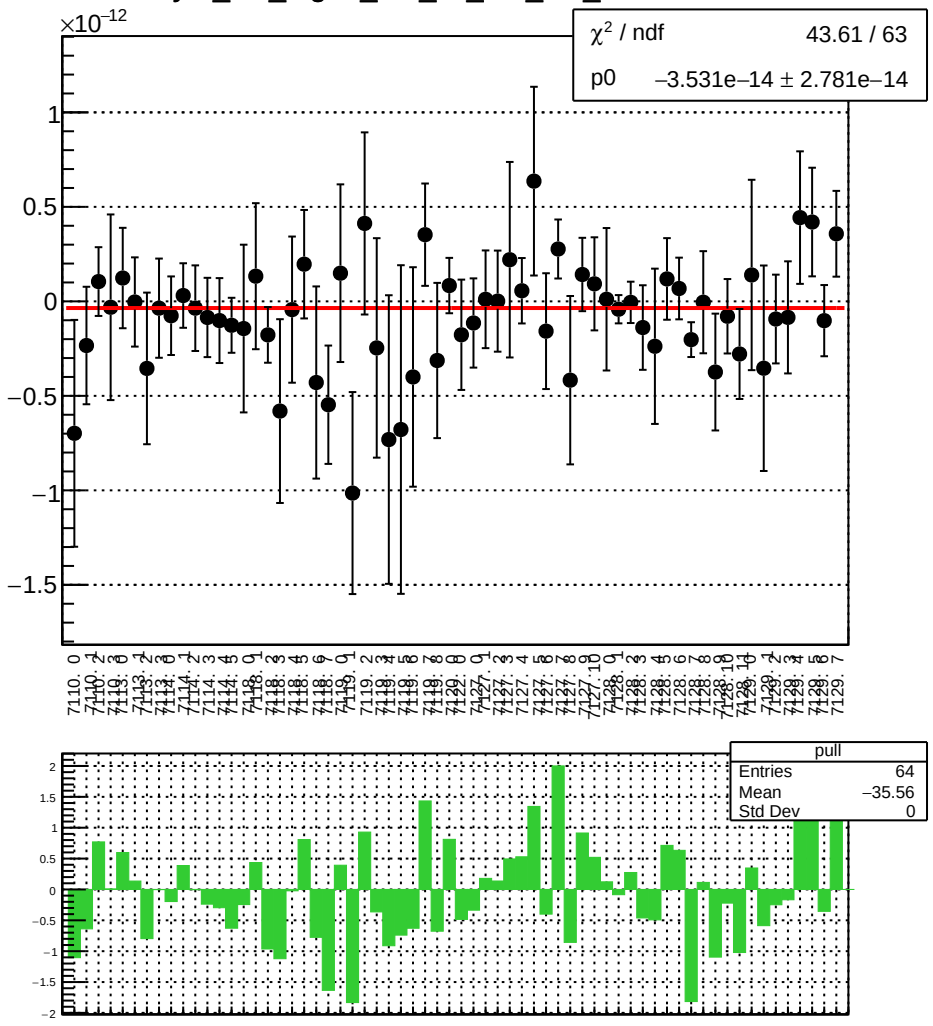

pull1D
Entries 64
Mean 0.01458
Std Dev 0.9011

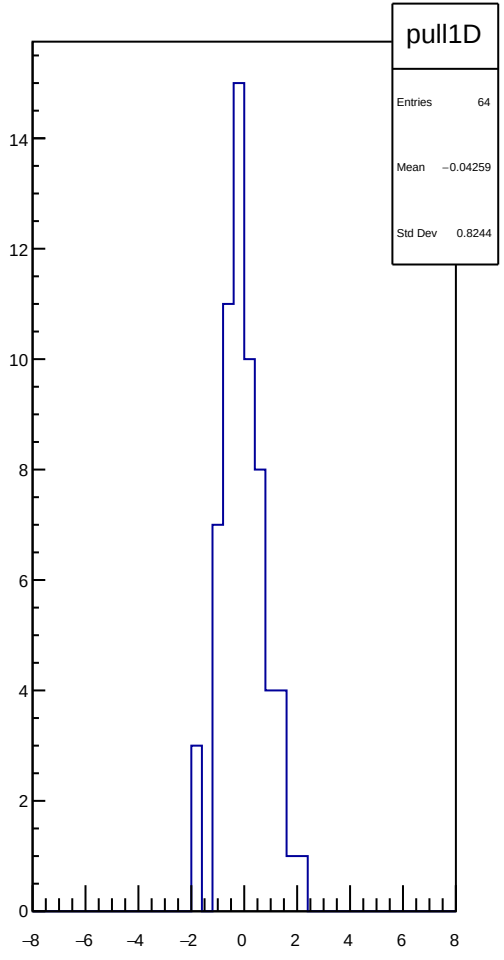

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.266e+04 / 63
p0 51.15 ± 0.04804
110
100
90
80
70
60
50
40
30

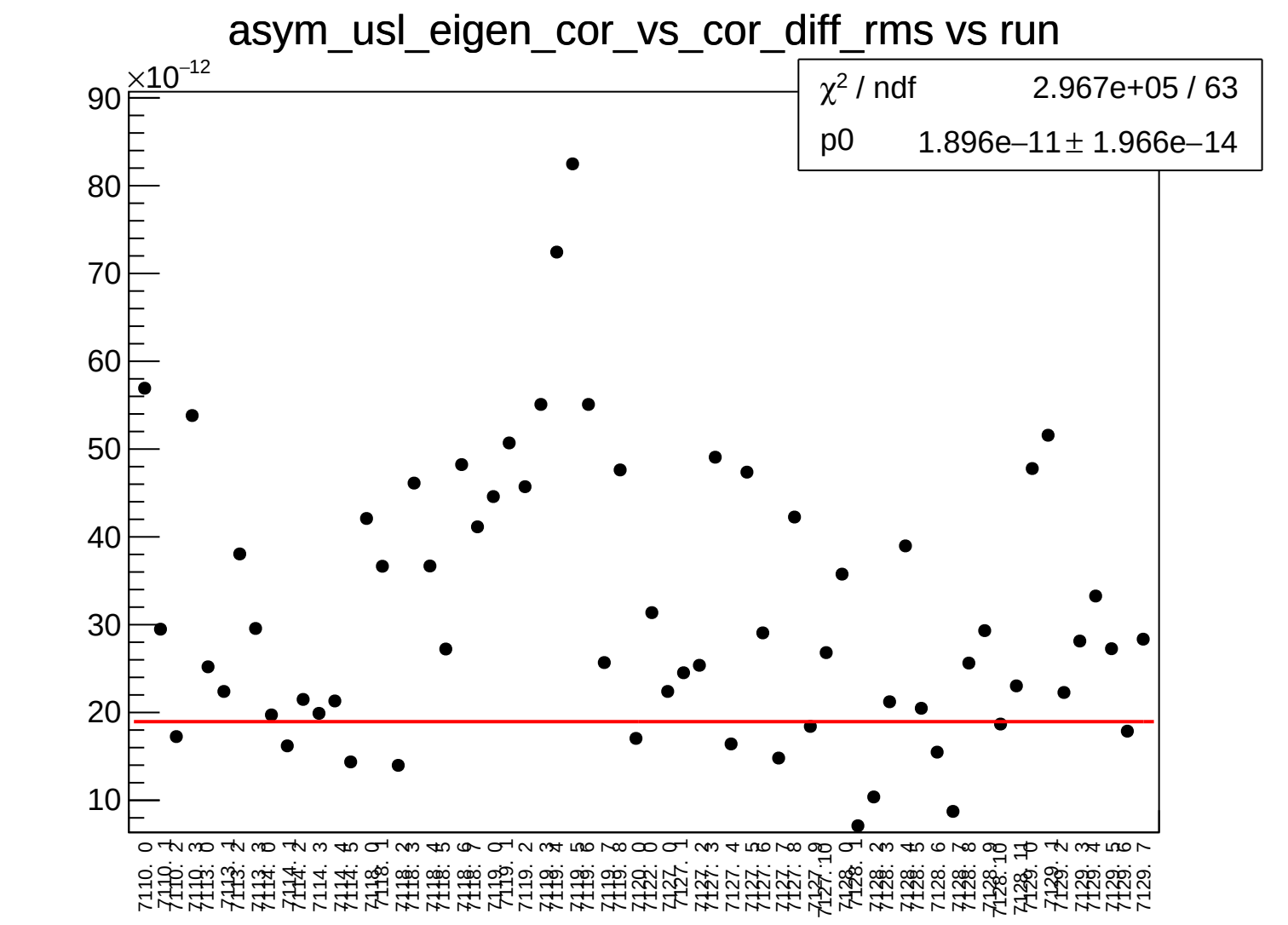

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 63.67 / 63
p0 0.04255 ± 0.09528
pull
Entries 64
Mean −71.01
Std Dev 0

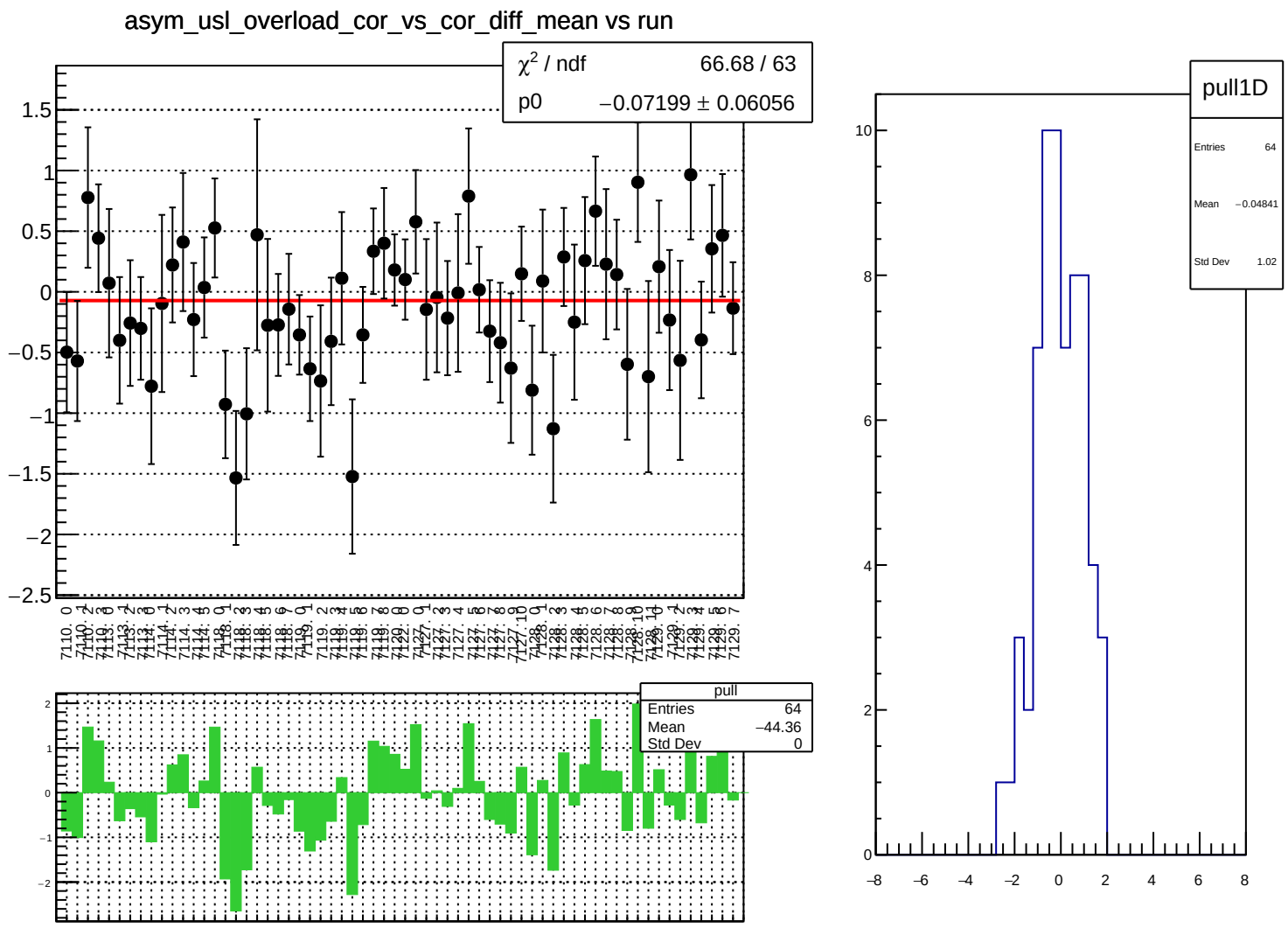

pull1D
Entries 64
Mean 0.0358
Std Dev 0.9968

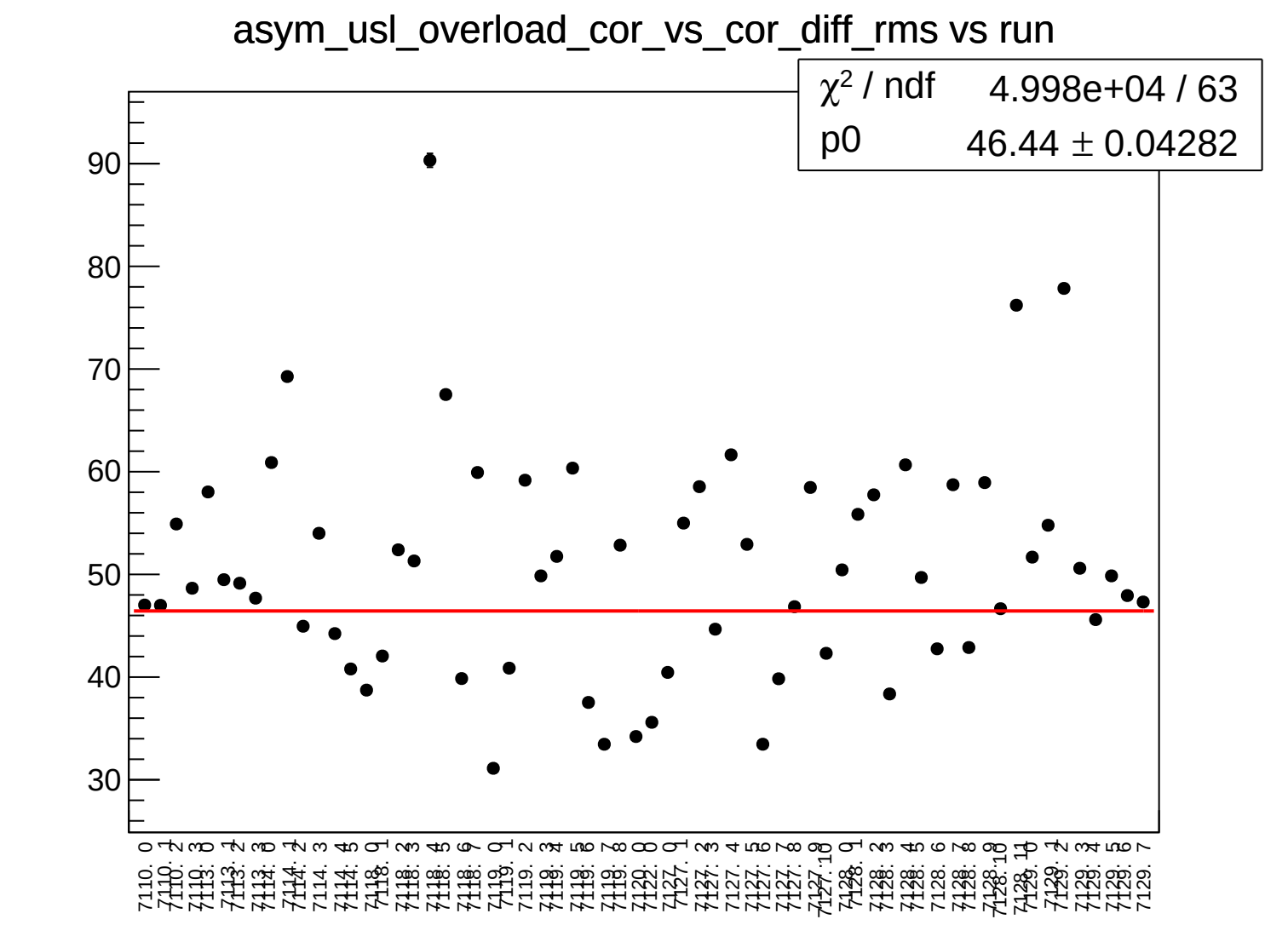

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.723e+04 / 63
p0 73.15 ± 0.06737
120
110
100
90
80
70
60
50

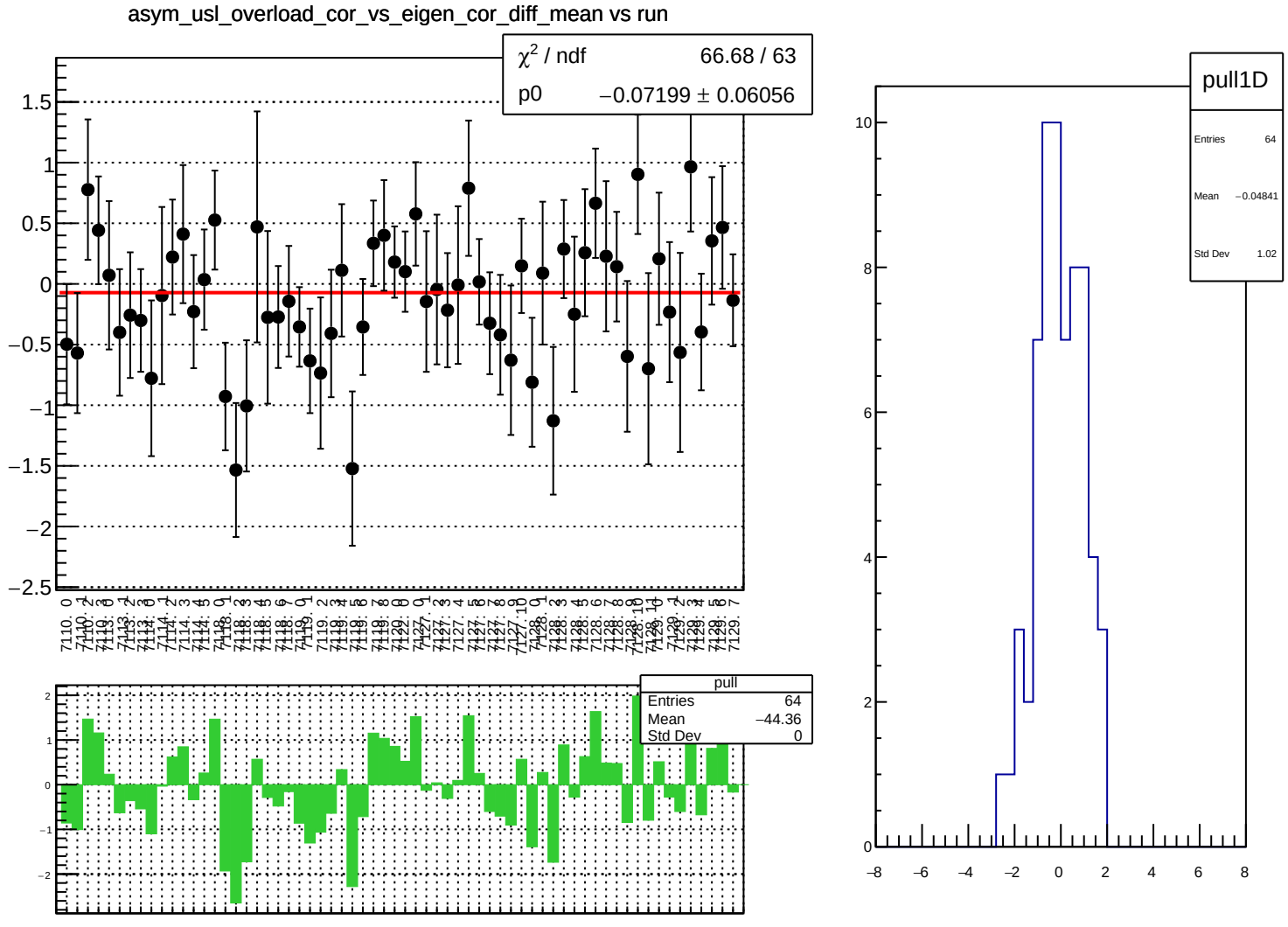

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.61 / 63
p0 −3.531e−14 ± 2.781e−14
pull
Entries 64
Mean −35.56
Std Dev 0

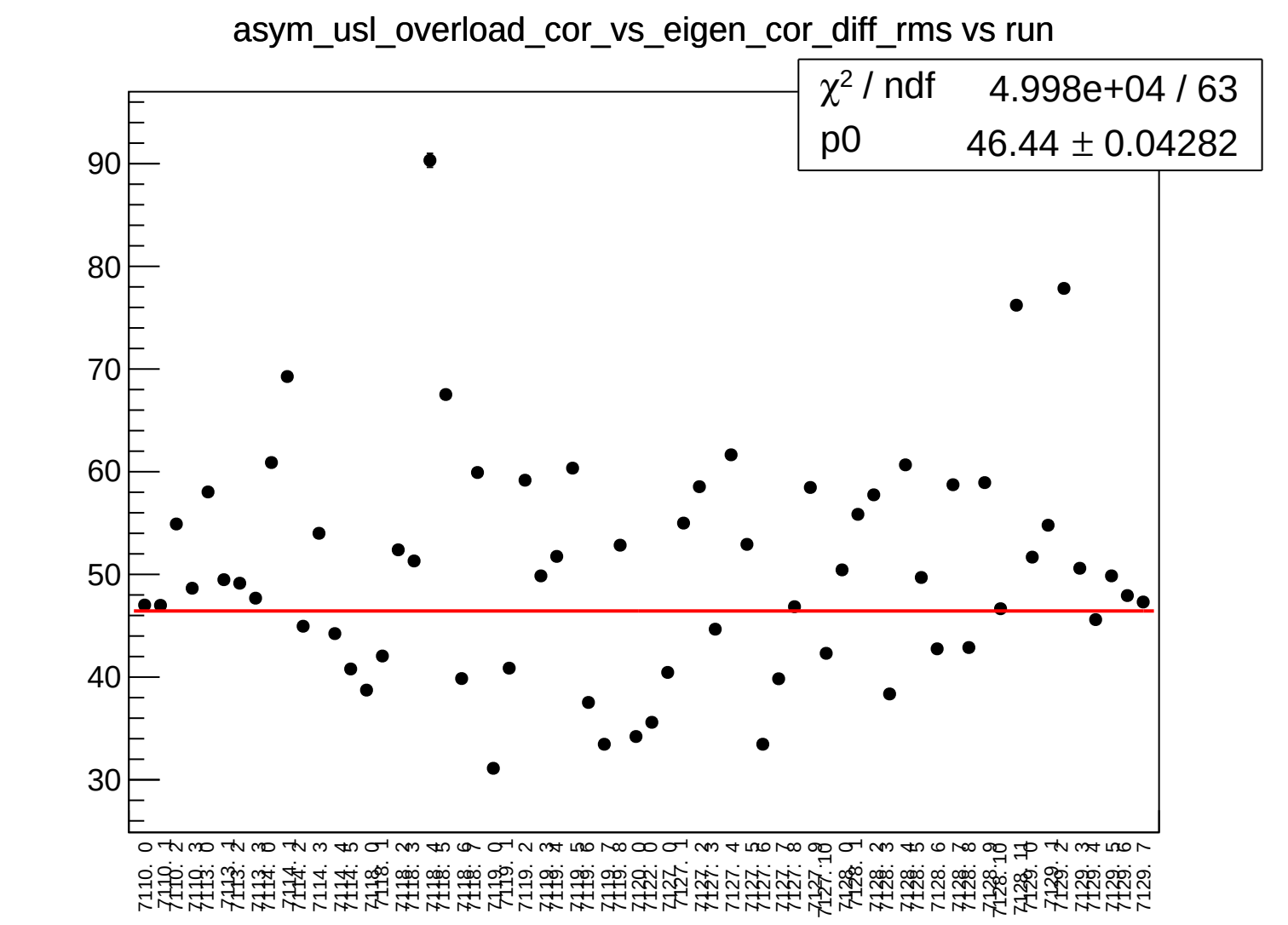

pull1D
Entries 64
Mean −0.04259
Std Dev 0.8244

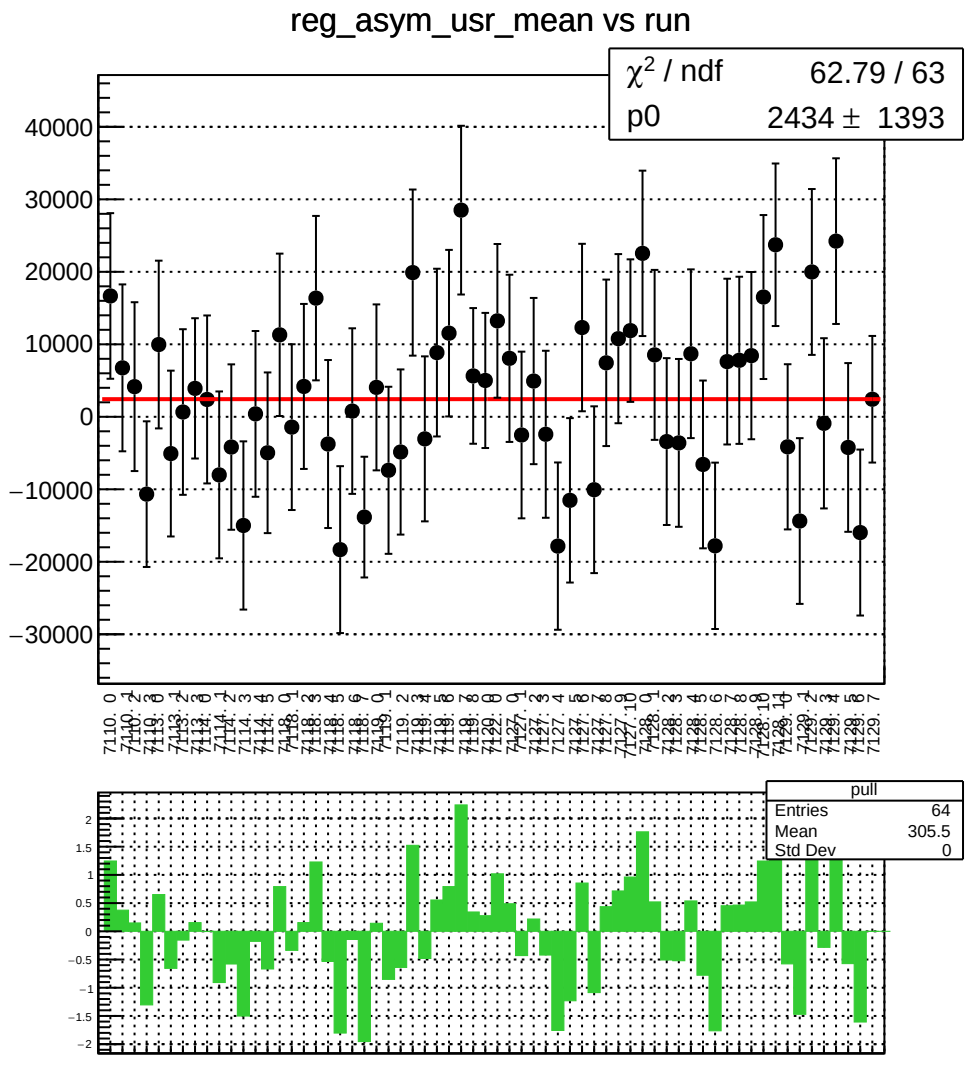

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.967e+05 / 63
p0 1.896e−11 ± 1.966e−14
90
80
70
60
50
40
30
20
10

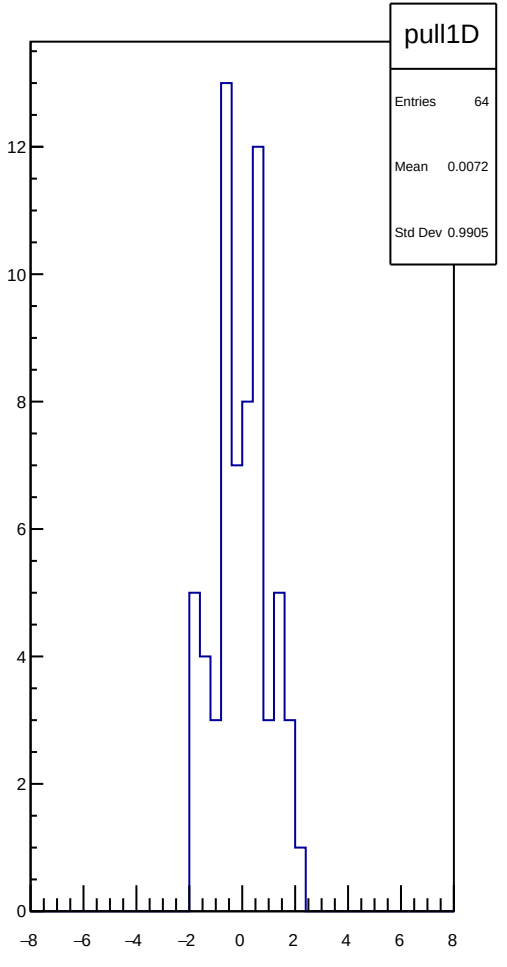

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 66.68 / 63
p0 −0.07199 ± 0.06056
pull
Entries 64
Mean −44.36
Std Dev 0
pull1D
Entries 64
Mean −0.04841
Std Dev 1.02

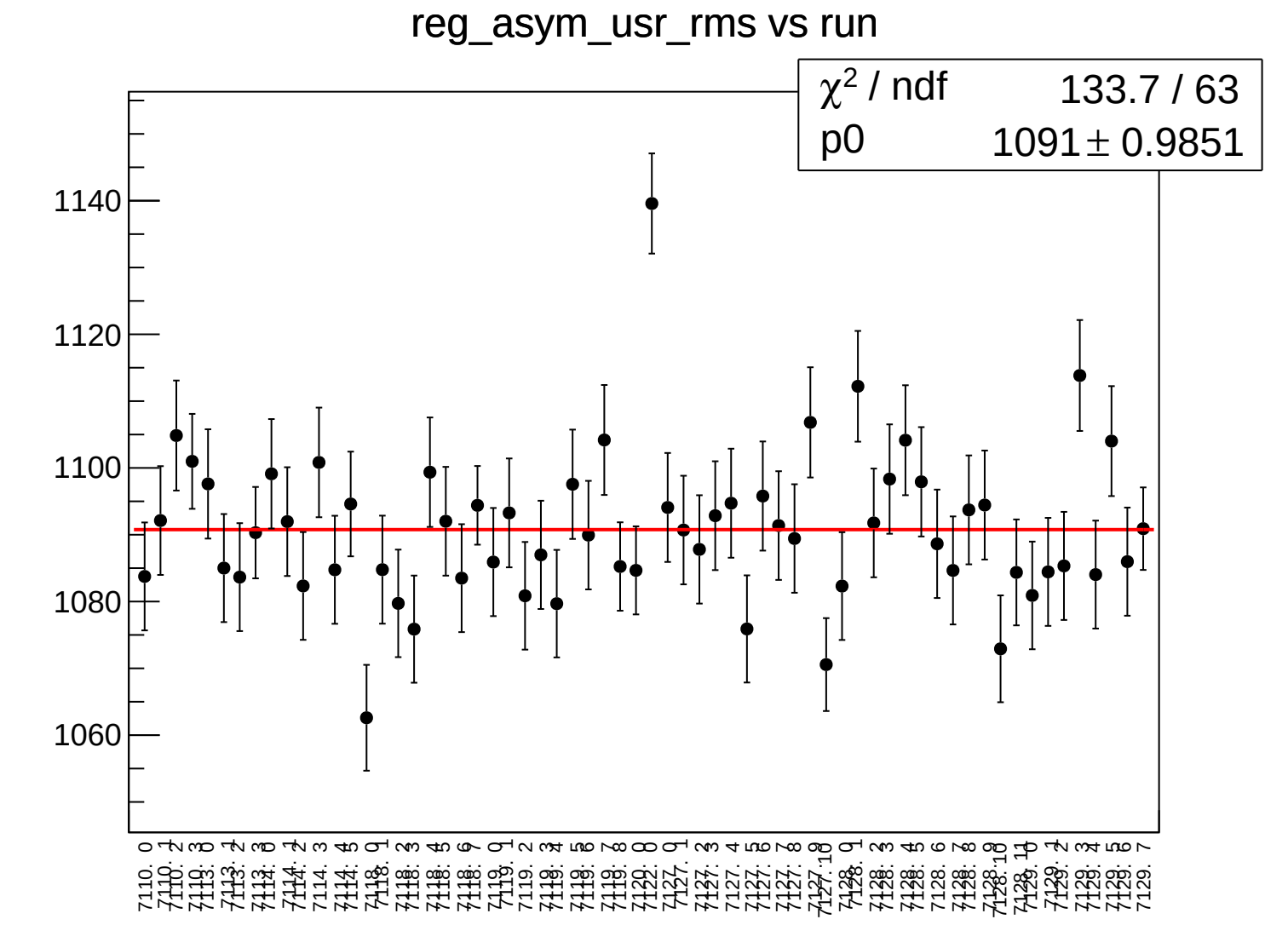

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.998e+04 / 63
p0 46.44 ± 0.04282
90
80
70
60
50
40
30

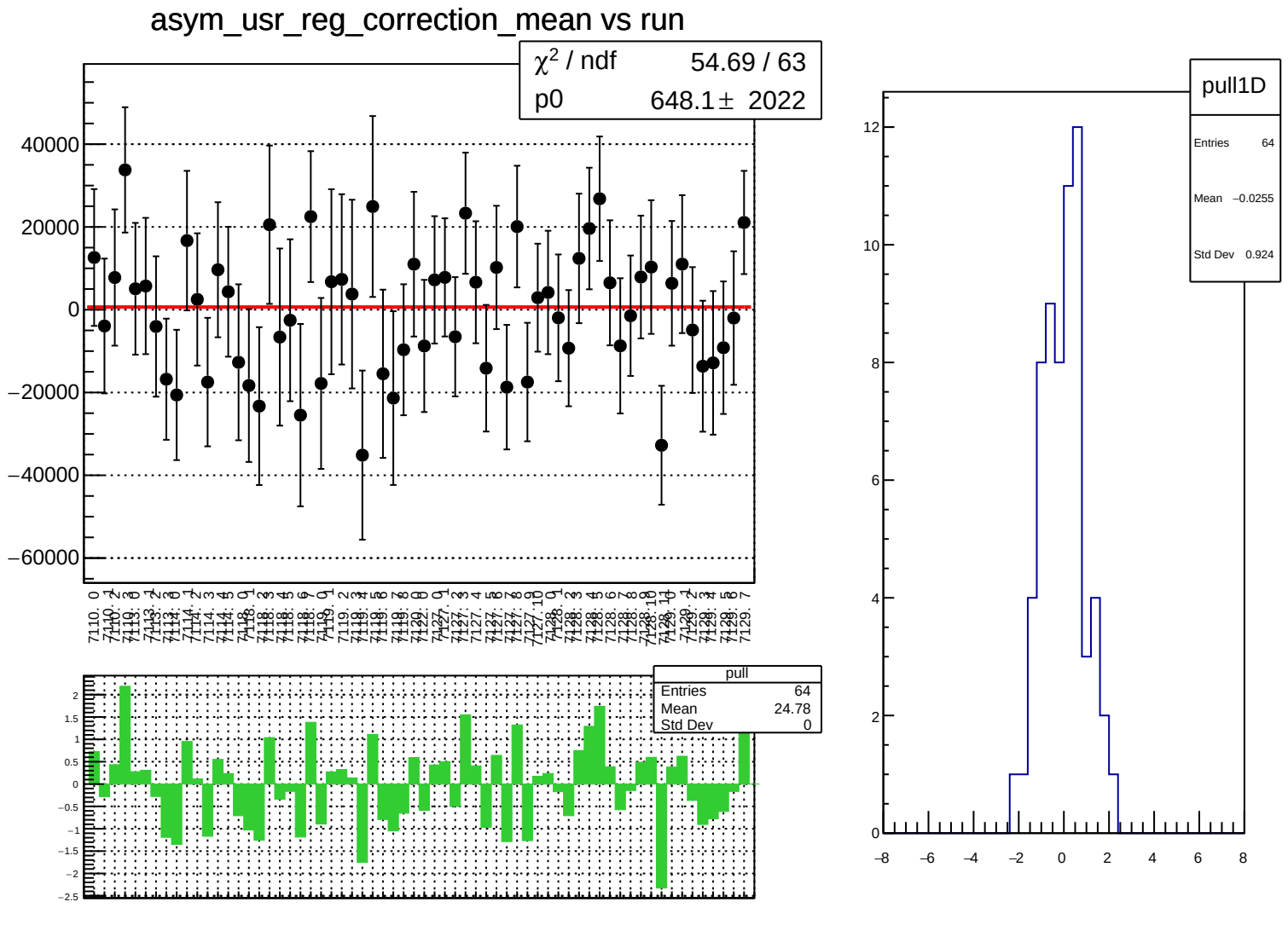

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.68 / 63
p0 −0.07199 ± 0.06056
pull
Entries 64
Mean −44.36
Std Dev 0
pull1D
Entries 64
Mean −0.04841
Std Dev 1.02

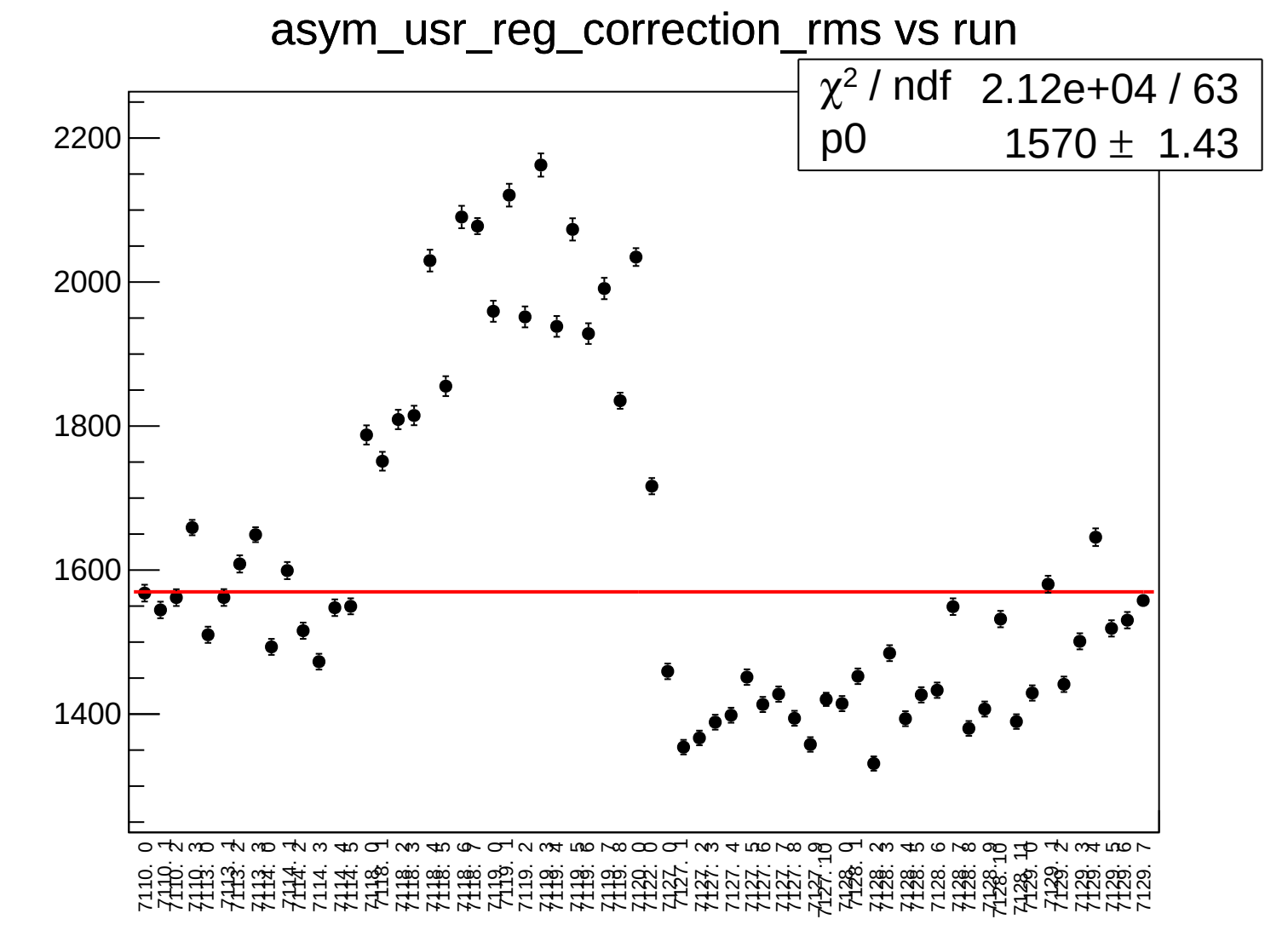

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.998e+04 / 63
p0 46.44 ± 0.04282
90
80
70
60
50
40
30

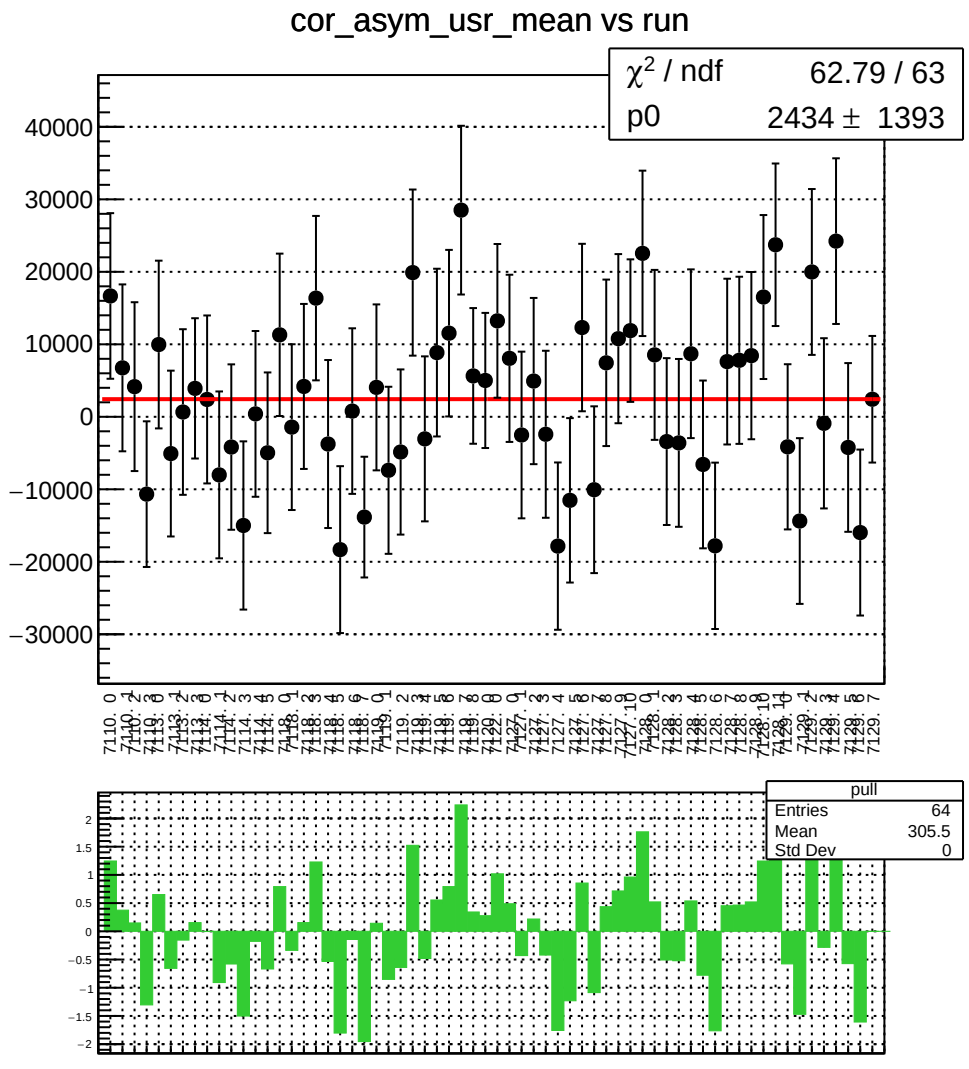

reg_asym_usr_mean vs run
χ² / ndf 62.79 / 63
p0 2434 ± 1393
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 305.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

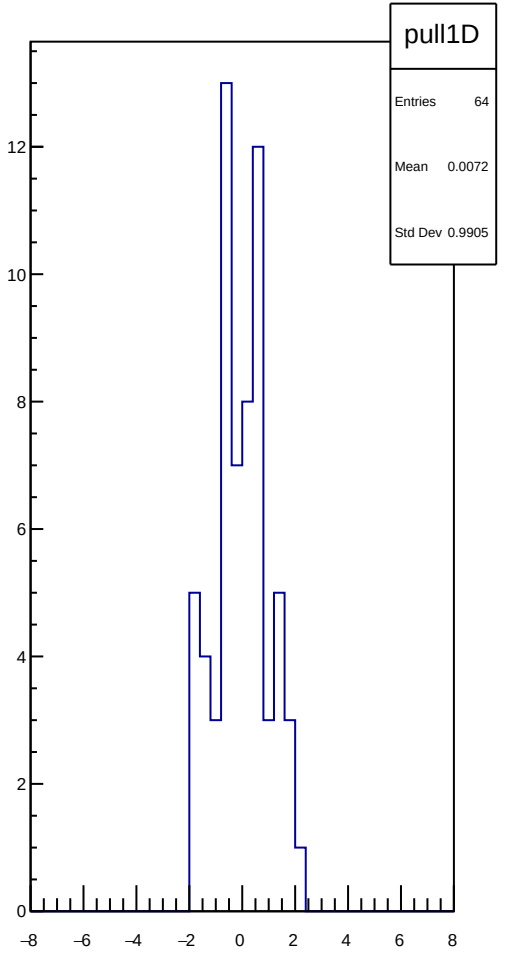

pull1D
Entries 64
Mean 0.0072
Std Dev 0.9905
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

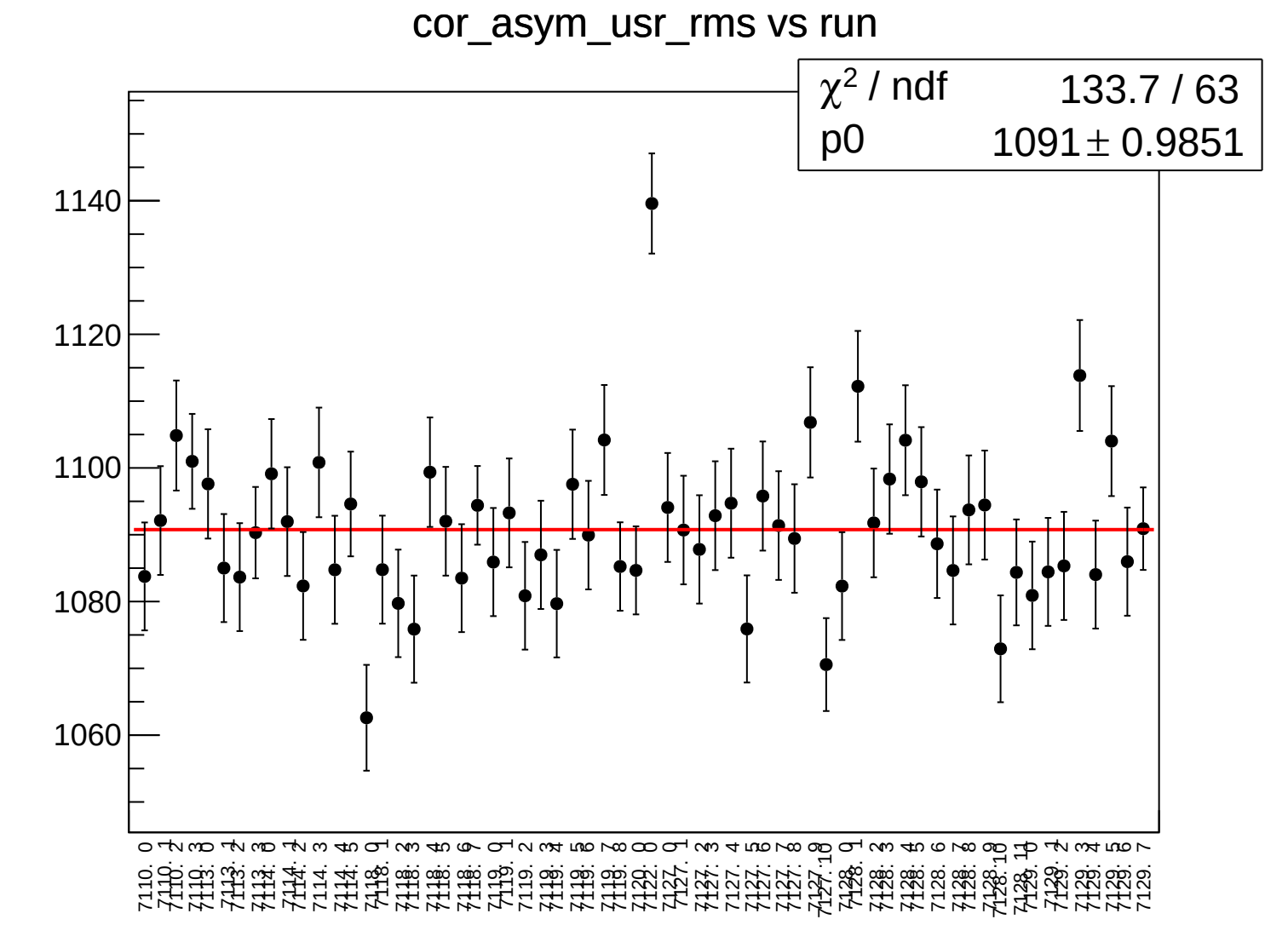

reg_asym_usr_rms vs run
χ^2 / ndf 133.7 / 63
p0 1091 ± 0.9851
1140
1120
1100
1080
1060

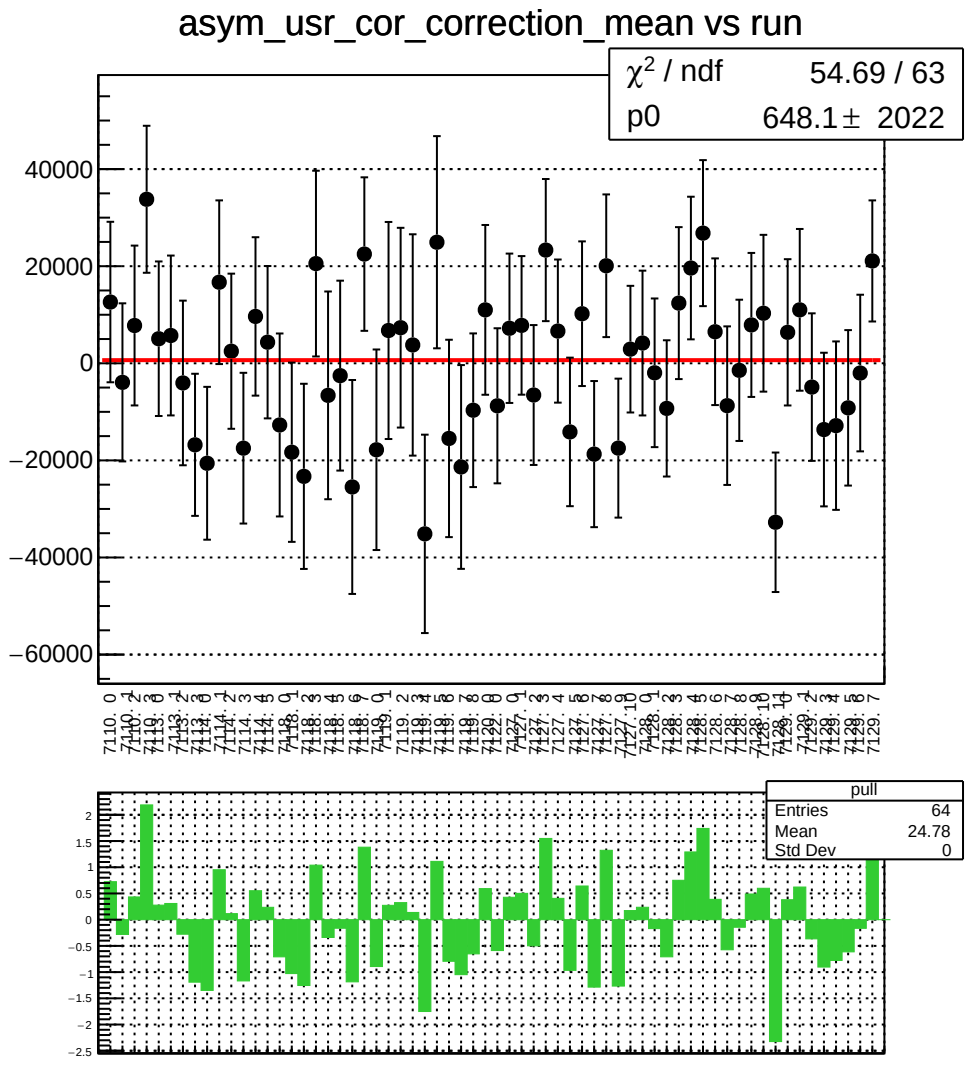

asym_usr_reg_correction_mean vs run
χ² / ndf 54.69 / 63
p0 648.1 ± 2022
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 24.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 64
Mean −0.0255
Std Dev 0.924
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

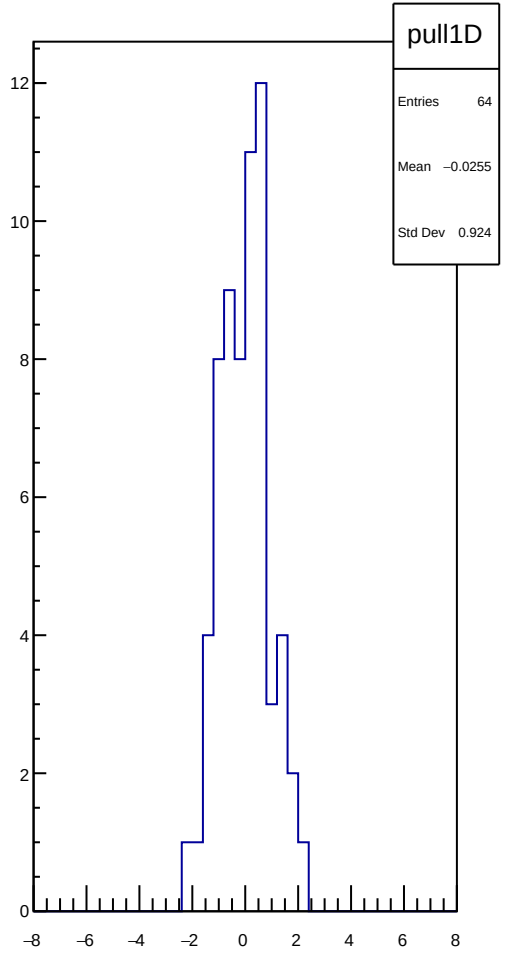

asym_usr_reg_correction_rms vs run
χ² / ndf 2.12e+04 / 63
p0 1570 ± 1.43
2200
2000
1800
1600
1400

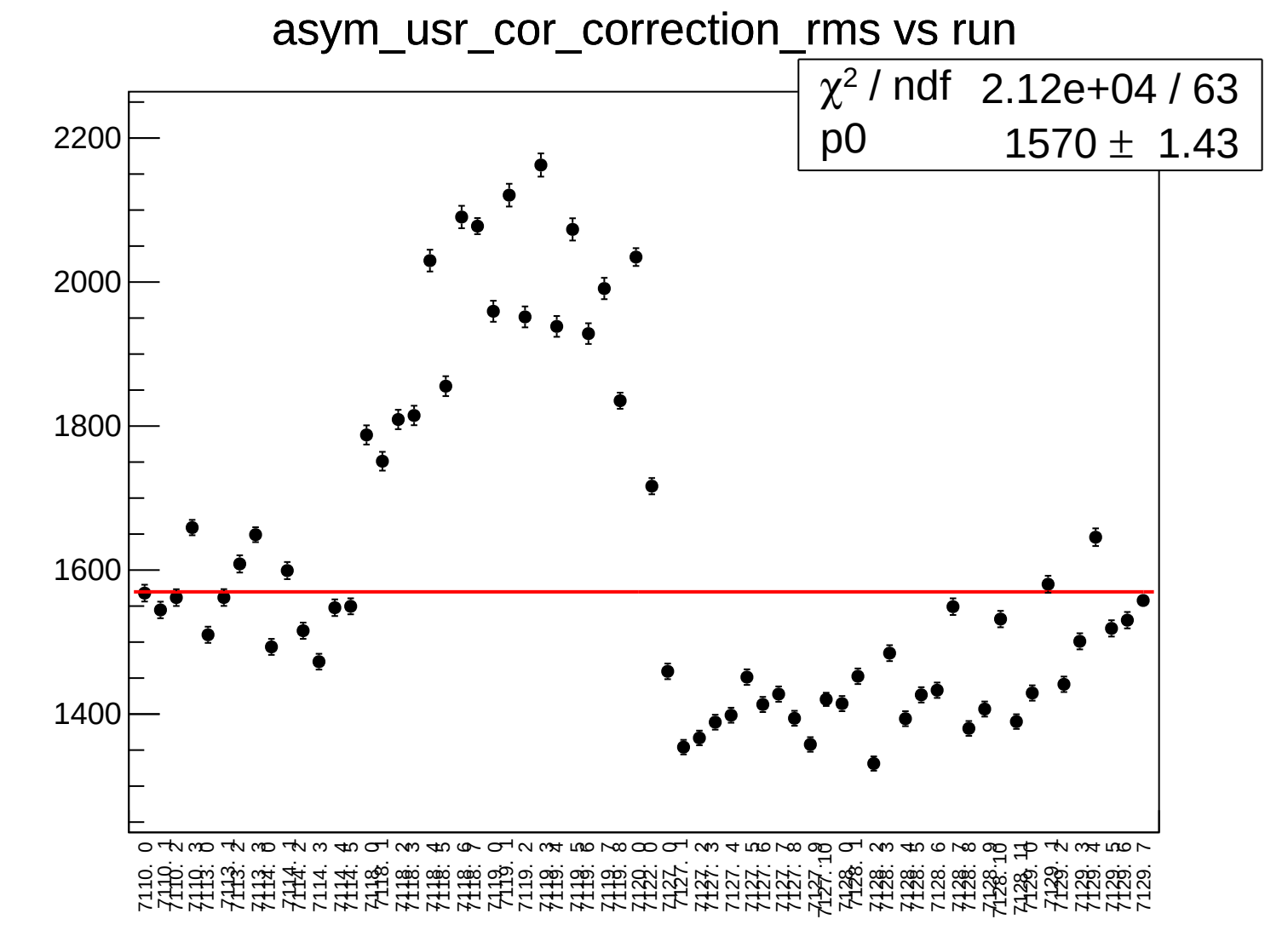

cor_asym_usr_mean vs run
χ² / ndf 62.79 / 63
p0 2434 ± 1393
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 305.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

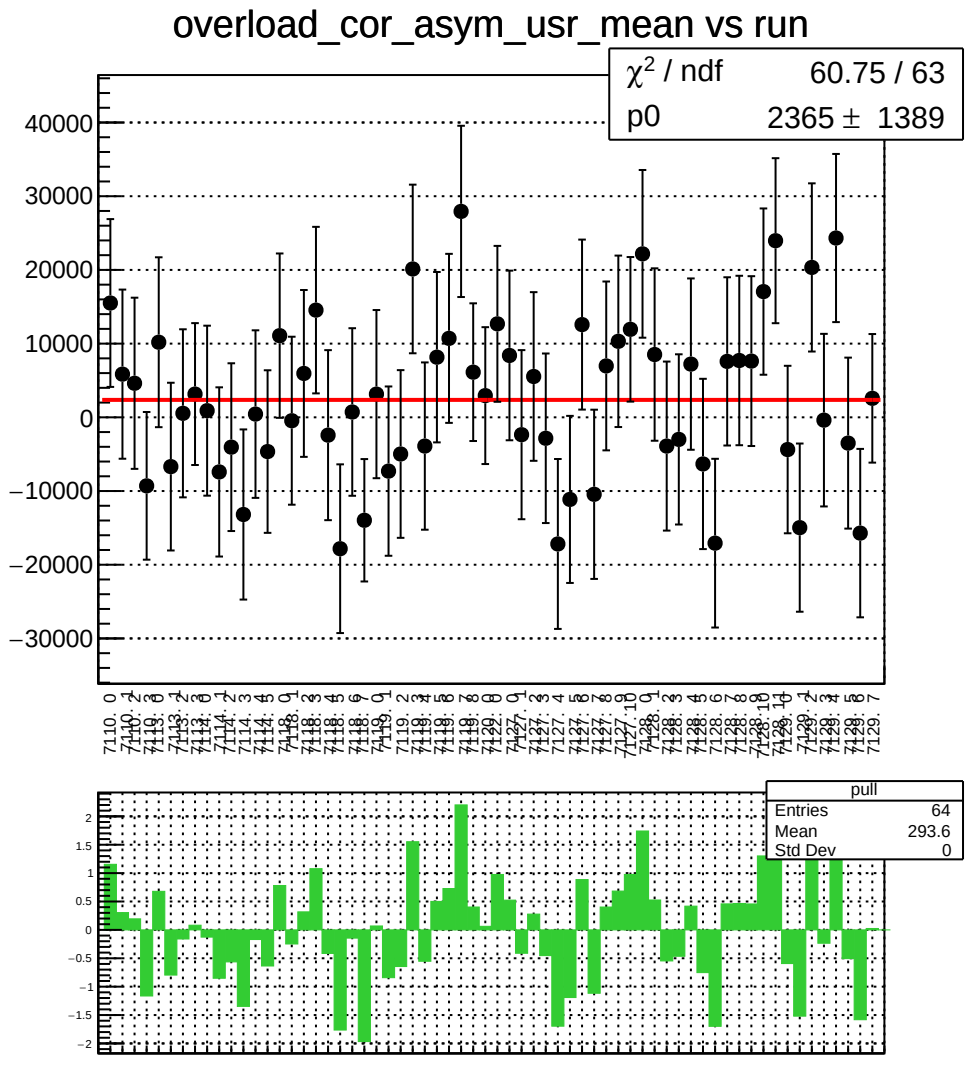

pull1D
Entries 64
Mean 0.0072
Std Dev 0.9905
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

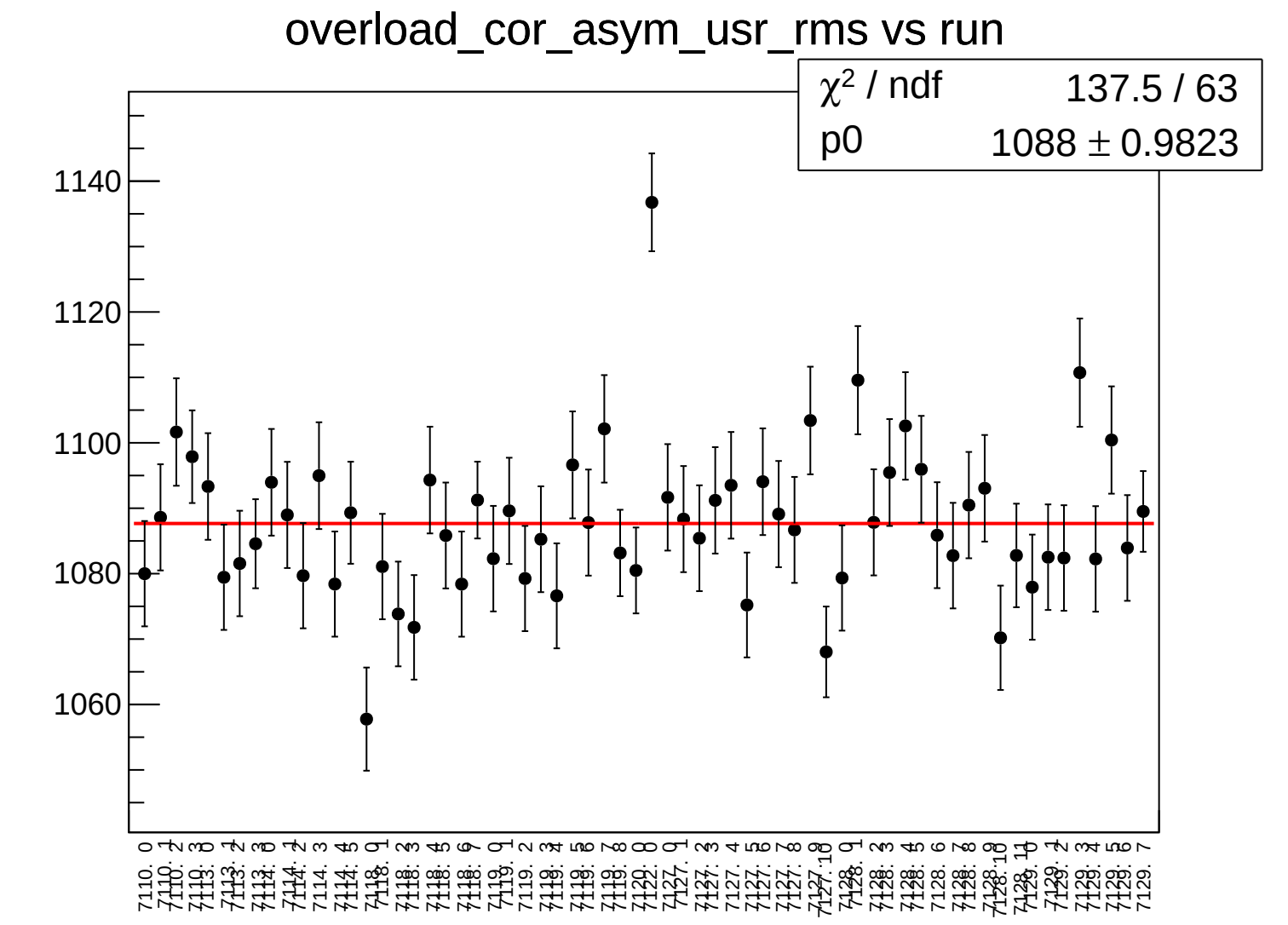

cor_asym_usr_rms vs run
χ² / ndf 133.7 / 63
p0 1091 ± 0.9851
1140
1120
1100
1080
1060

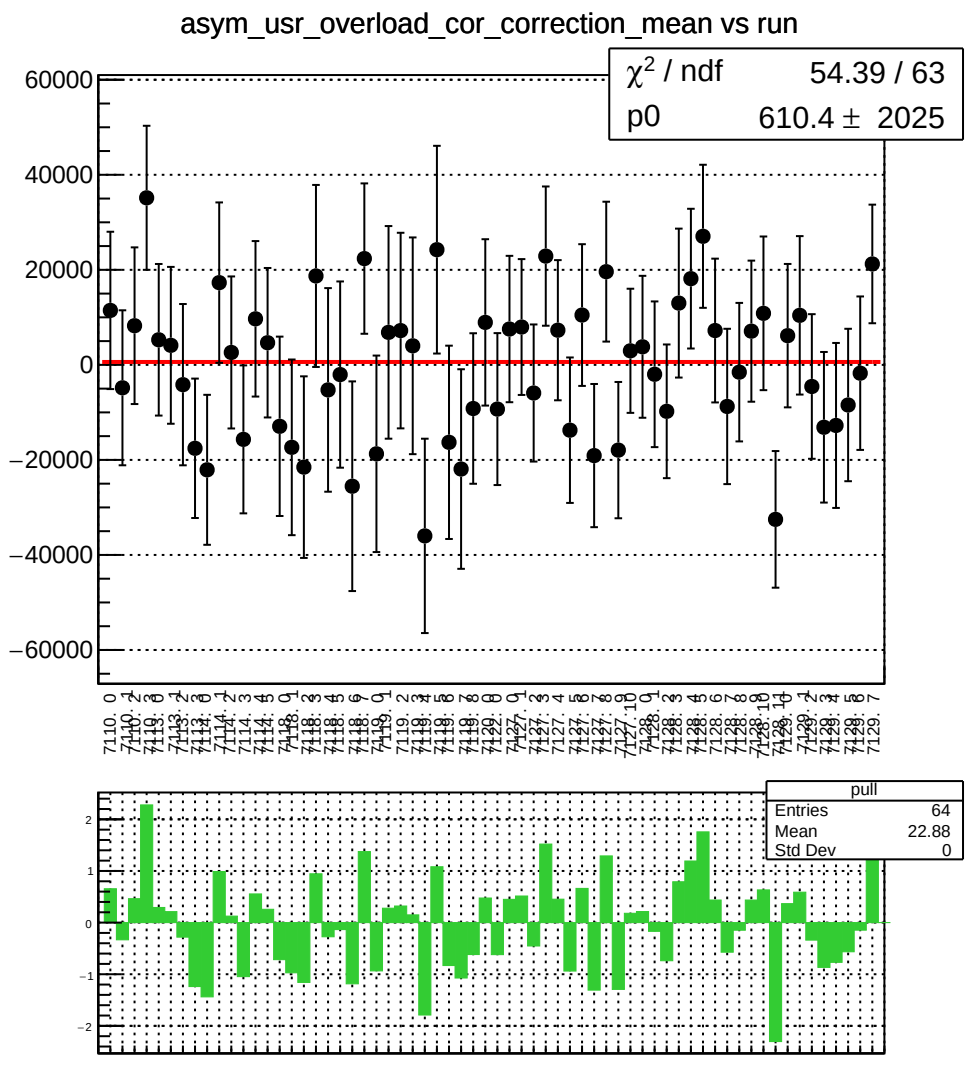

asym_usr_cor_correction_mean vs run
χ² / ndf 54.69 / 63
p0 648.1 ± 2022
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 24.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

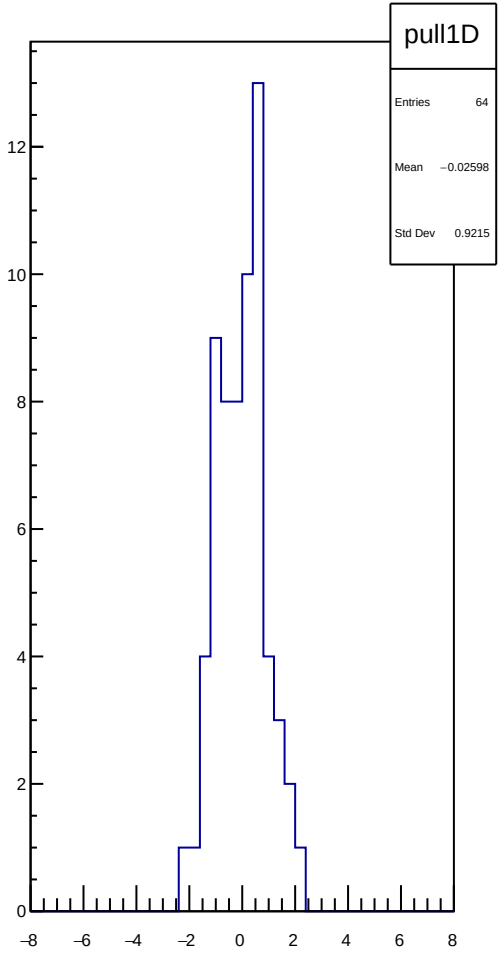

pull1D
Entries 64
Mean −0.0255
Std Dev 0.924
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

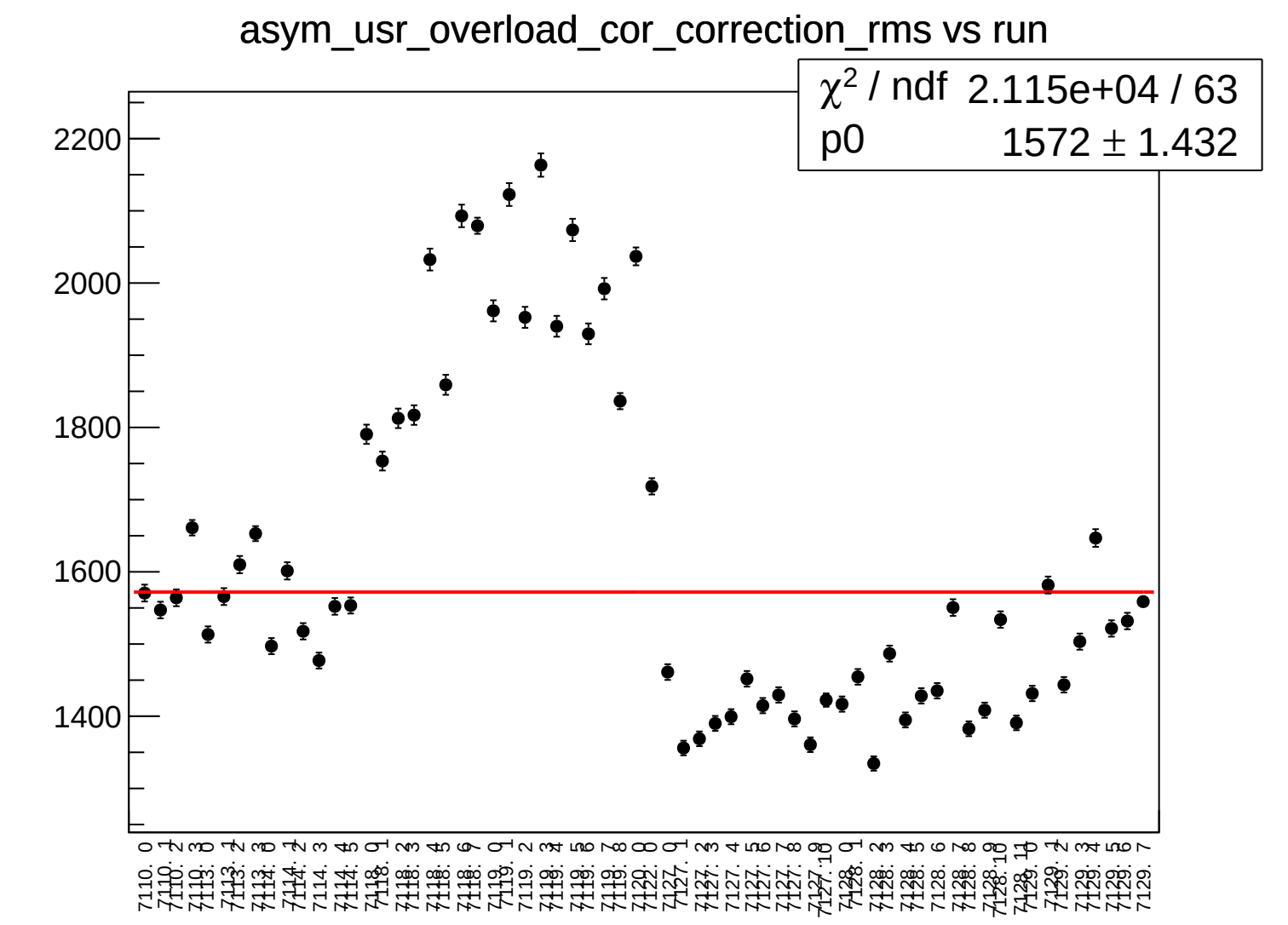

asym_usr_cor_correction_rms vs run
χ² / ndf 2.12e+04 / 63
p0 1570 ± 1.43
2200
2000
1800
1600
1400

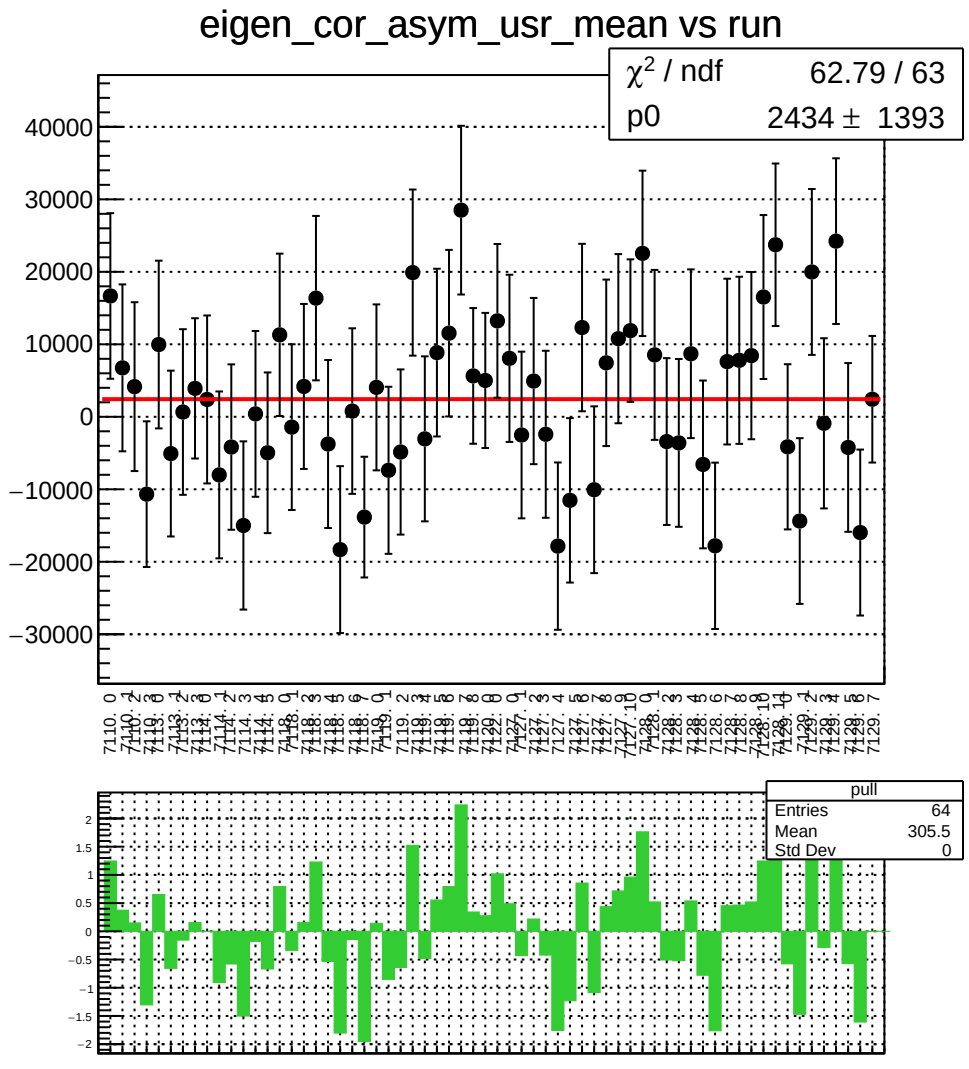

overload_cor_asym_usr_mean vs run
χ² / ndf 60.75 / 63
p0 2365 ± 1389
pull
Entries 64
Mean 293.6
Std Dev 0
pull1D
Entries 64
Mean 0.007845
Std Dev 0.9742

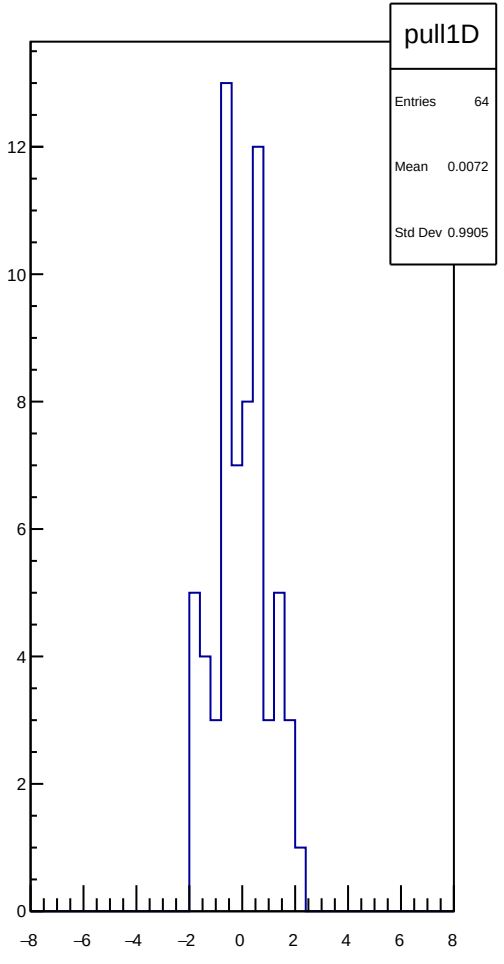

overload_cor_asym_usr_rms vs run
χ² / ndf 137.5 / 63
p0 1088 ± 0.9823
1140
1120
1100
1080
1060

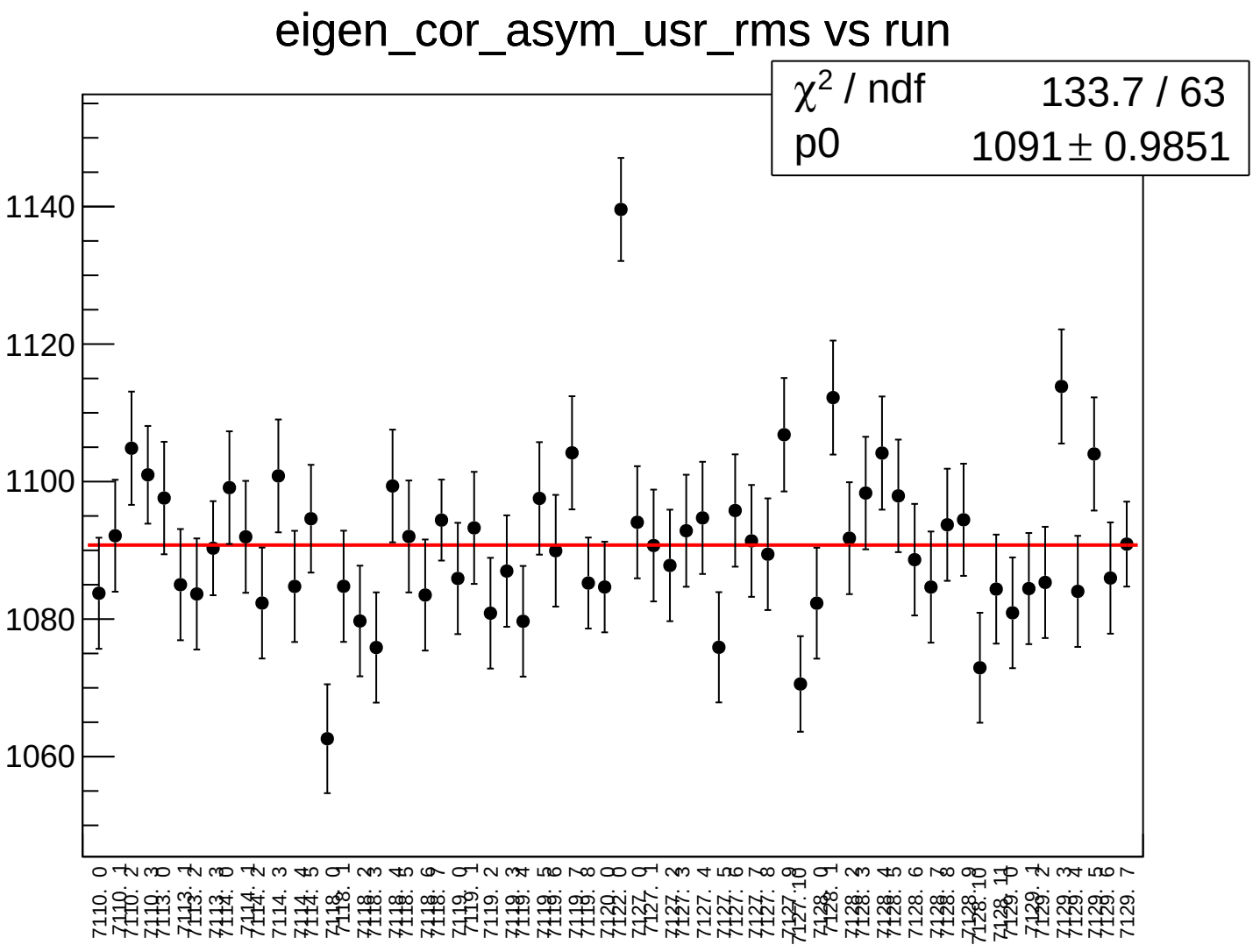

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 54.39 / 63
p0 610.4 ± 2025
pull
Entries 64
Mean 22.88
Std Dev 0

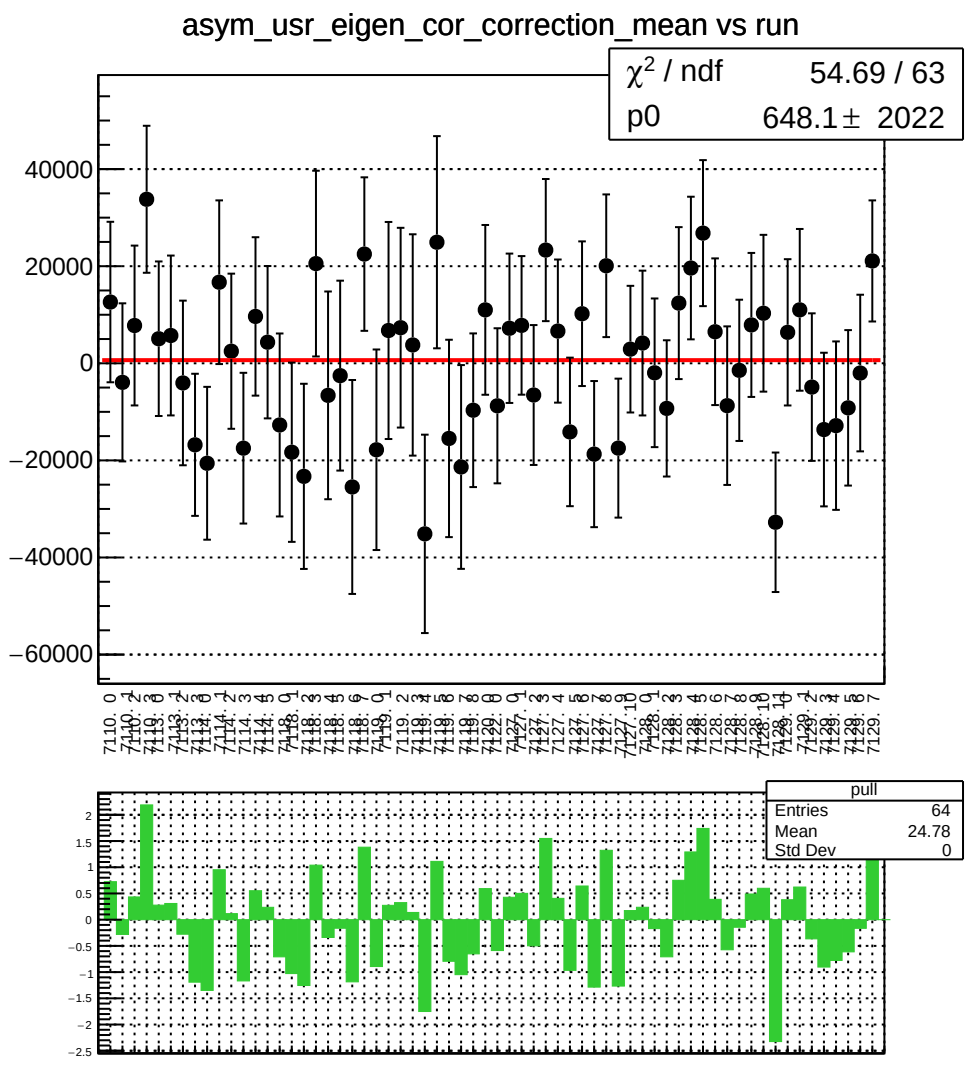

pull1D
Entries 64
Mean −0.02598
Std Dev 0.9215

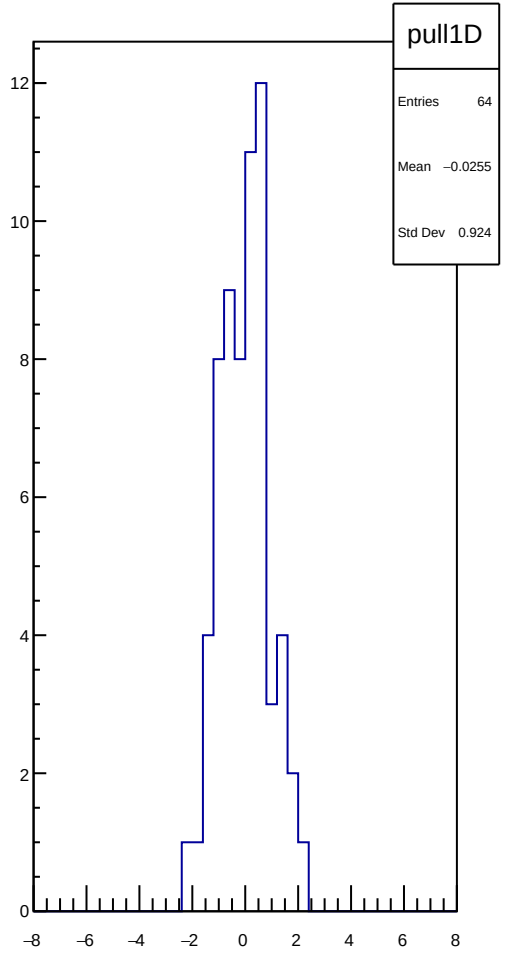

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 2.115e+04 / 63
p0 1572 ± 1.432
2200
2000
1800
1600
1400

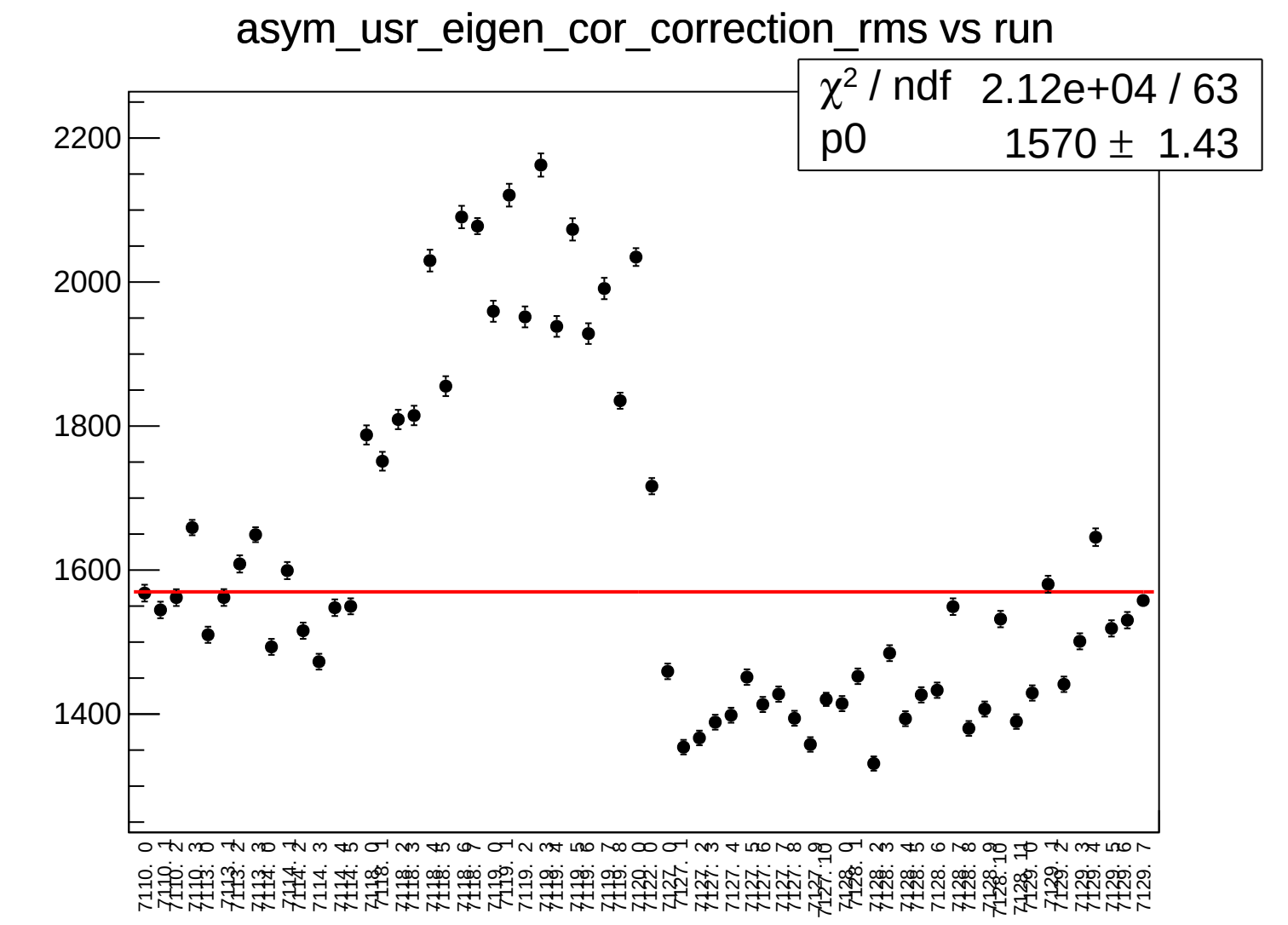

eigen_cor_asym_usr_mean vs run
χ² / ndf 62.79 / 63
p0 2434 ± 1393
pull
Entries 64
Mean 305.5
Std Dev 0

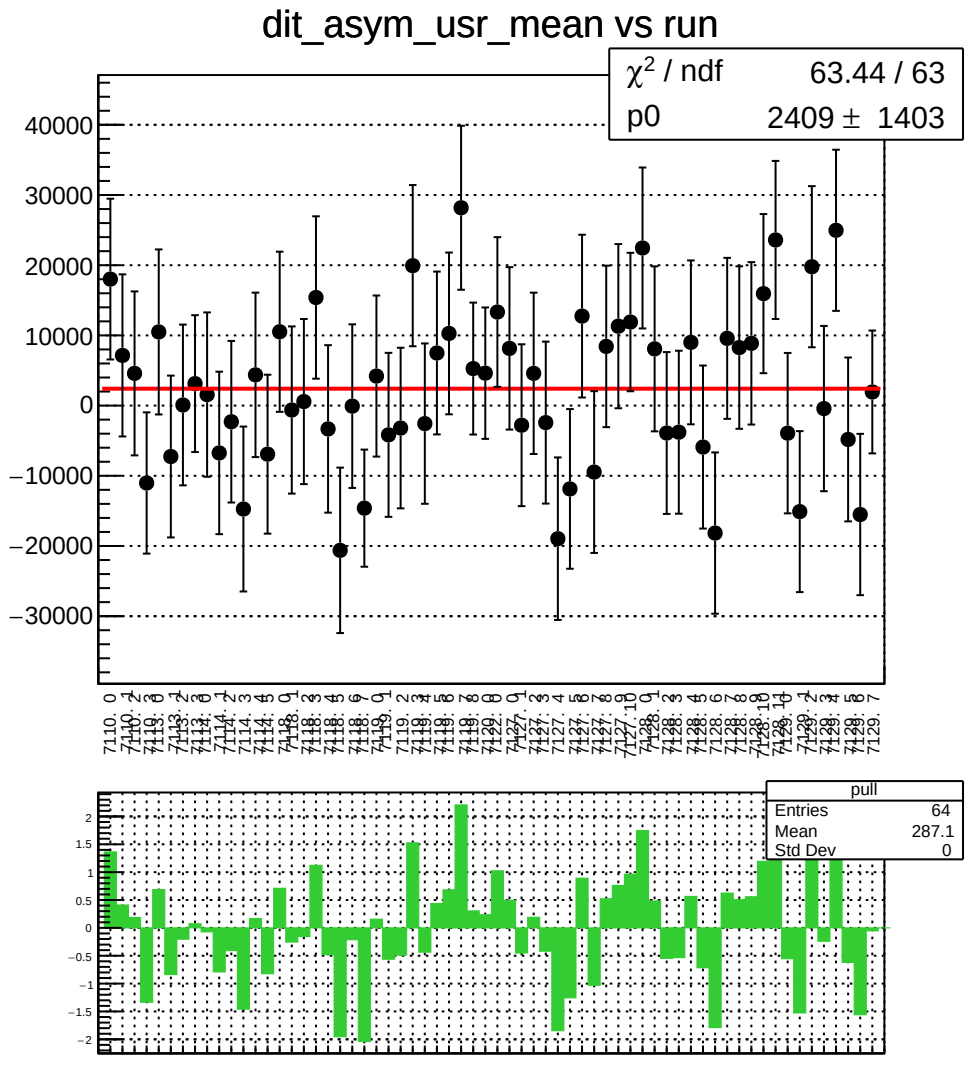

pull1D
Entries 64
Mean 0.0072
Std Dev 0.9905

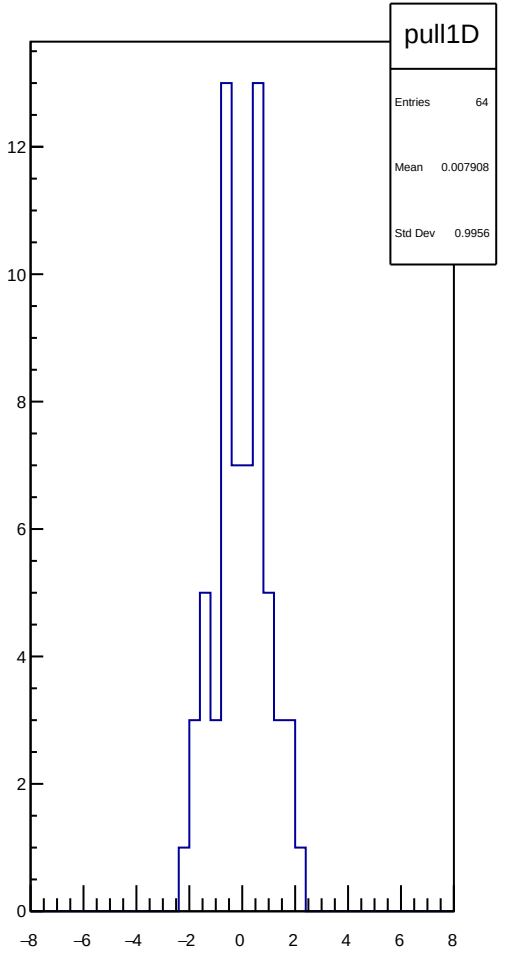

eigen_cor_asym_usr_rms vs run
χ² / ndf 133.7 / 63
p0 1091 ± 0.9851
1140
1120
1100
1080
1060

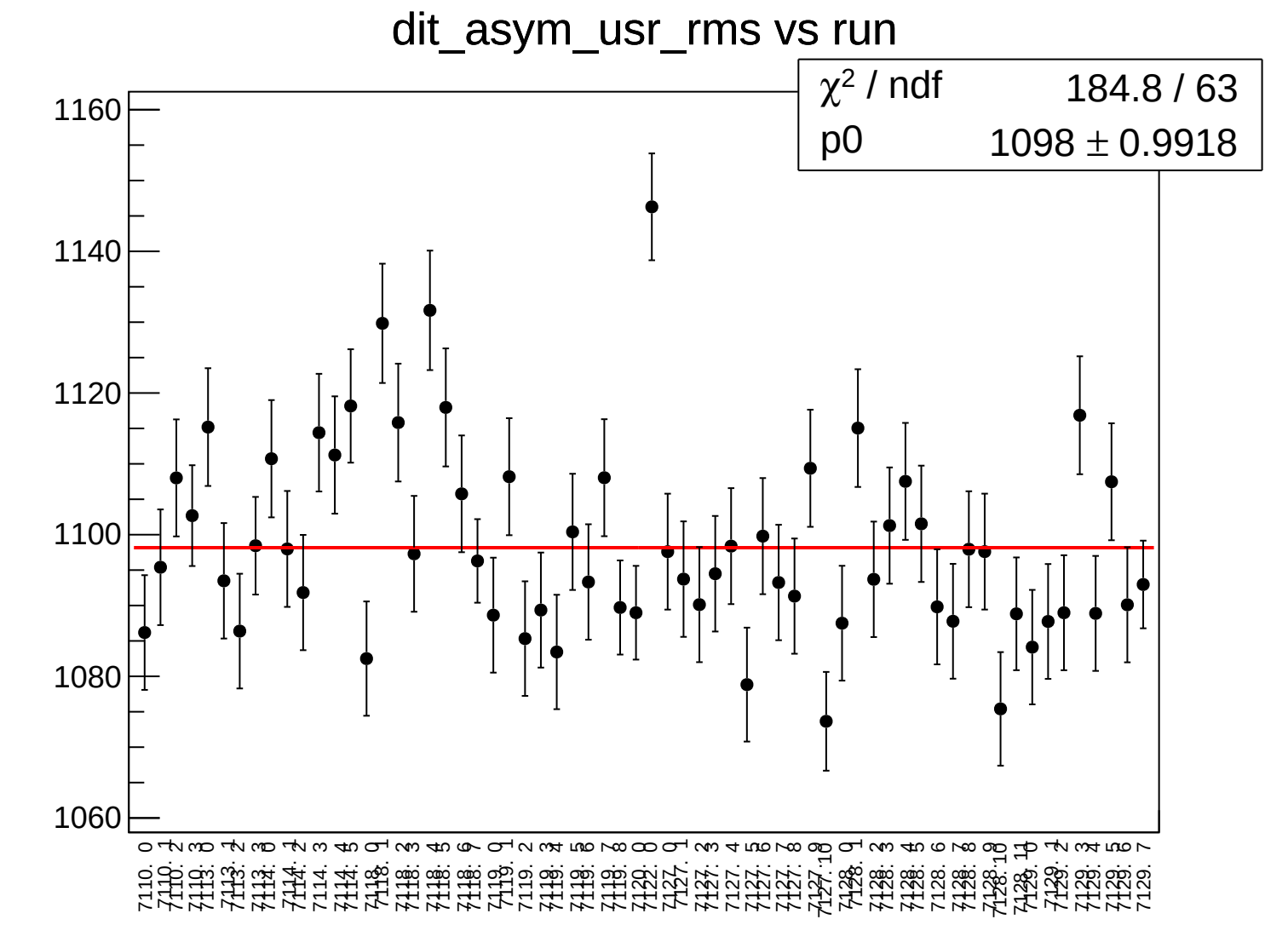

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 54.69 / 63
p0 648.1 ± 2022
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 24.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

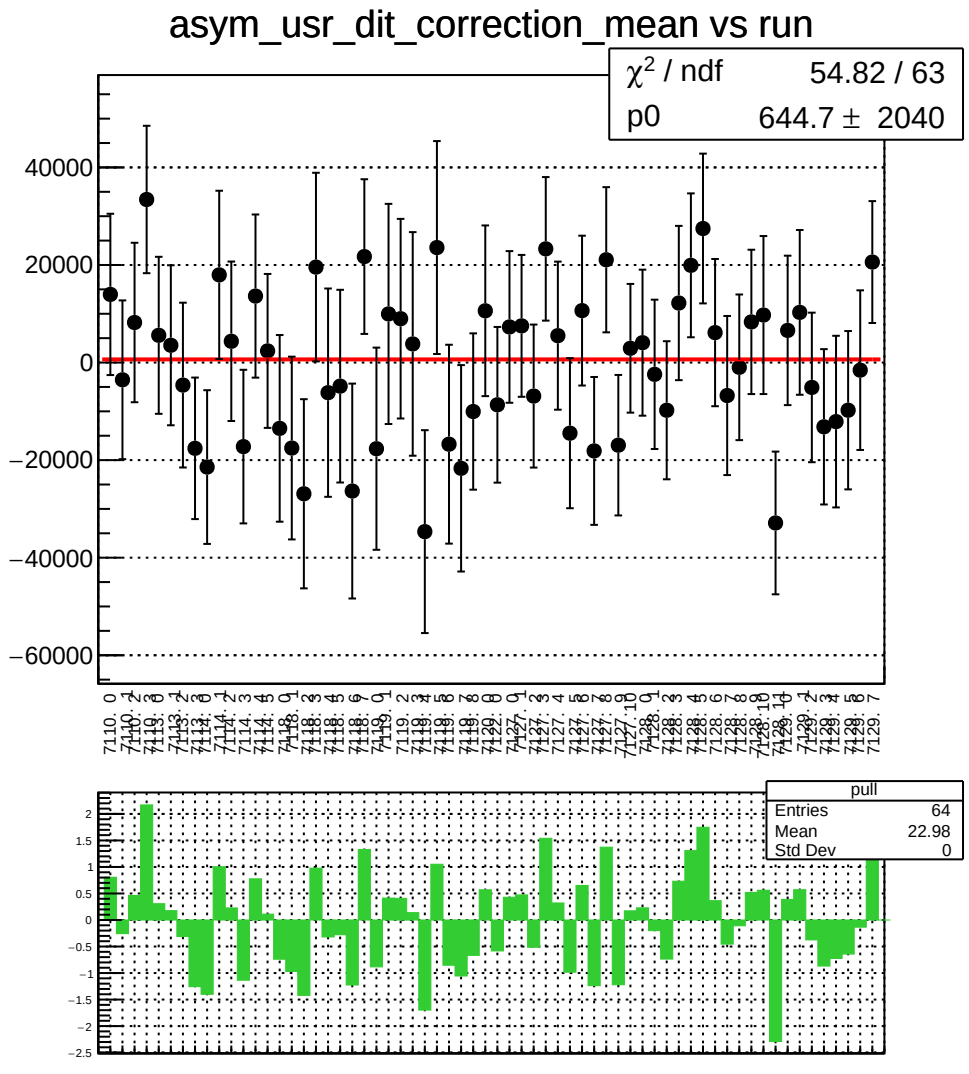

pull1D
Entries 64
Mean −0.0255
Std Dev 0.924
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

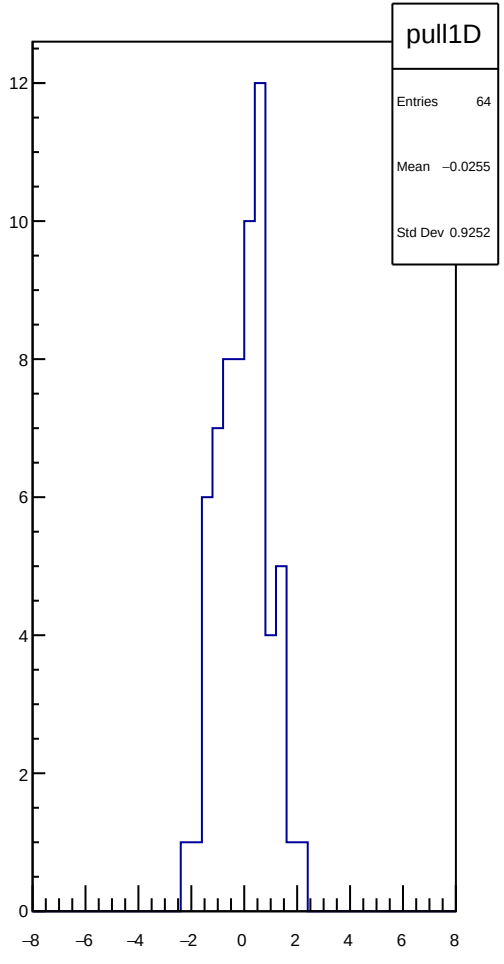

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 2.12e+04 / 63
p0 1570 ± 1.43
2200
2000
1800
1600
1400

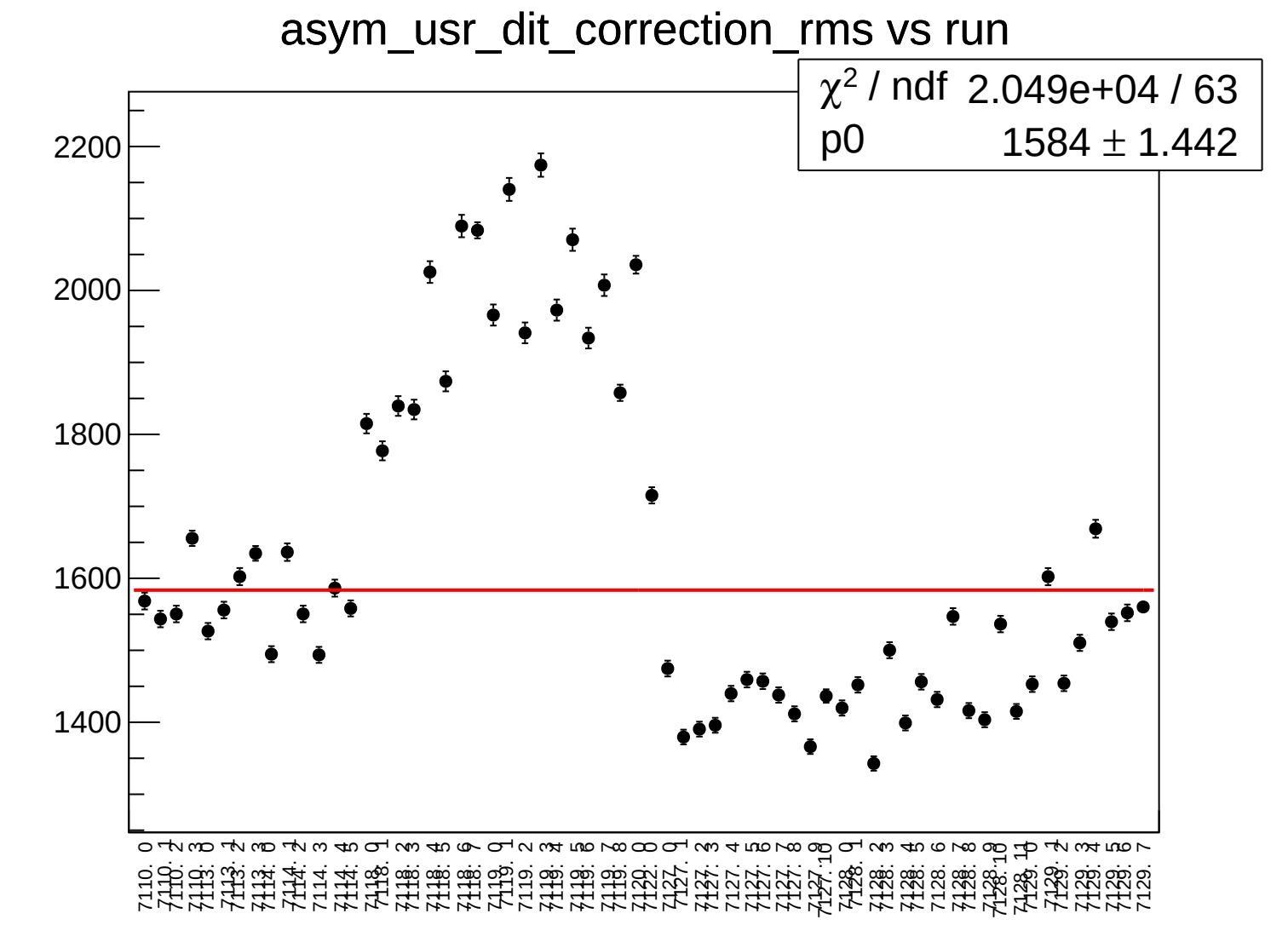

dit_asym_usr_mean vs run
χ² / ndf 63.44 / 63
p0 2409 ± 1403
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 287.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

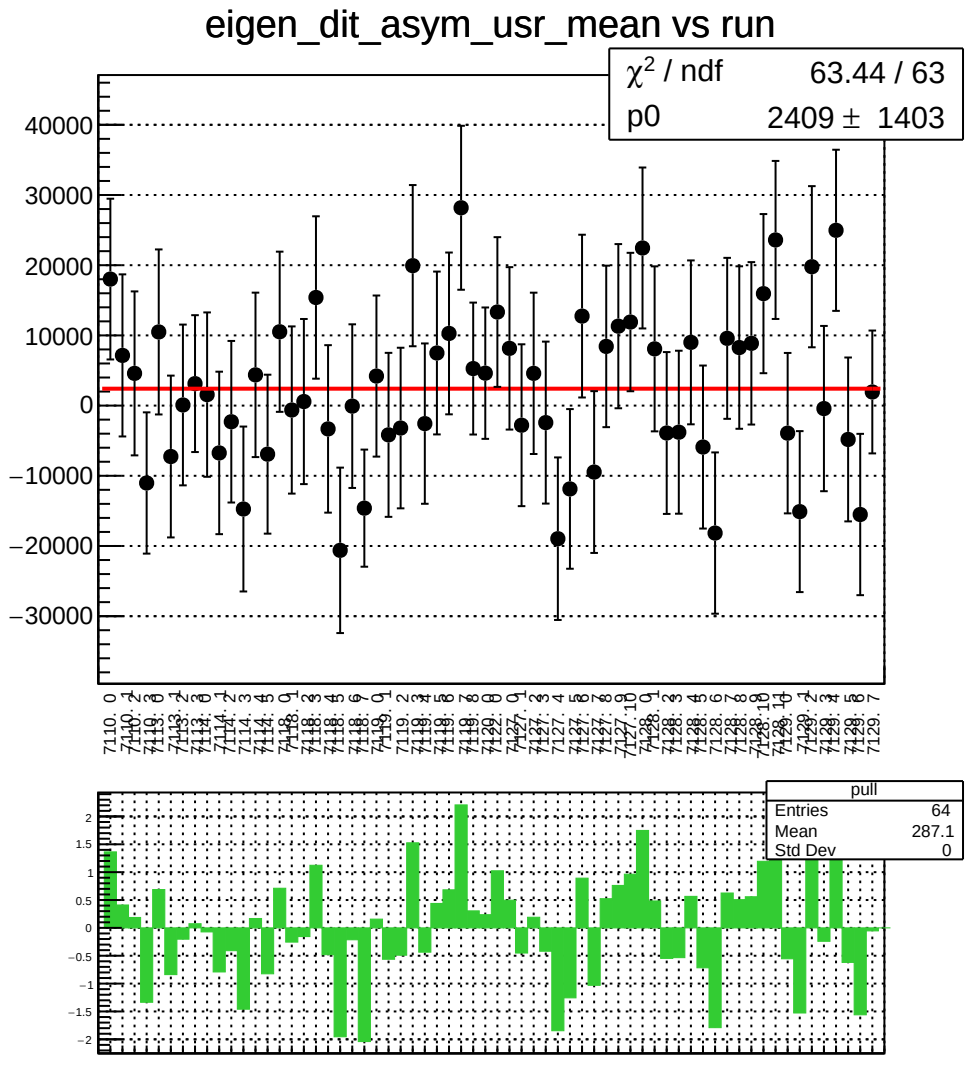

pull1D
Entries 64
Mean 0.007908
Std Dev 0.9956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

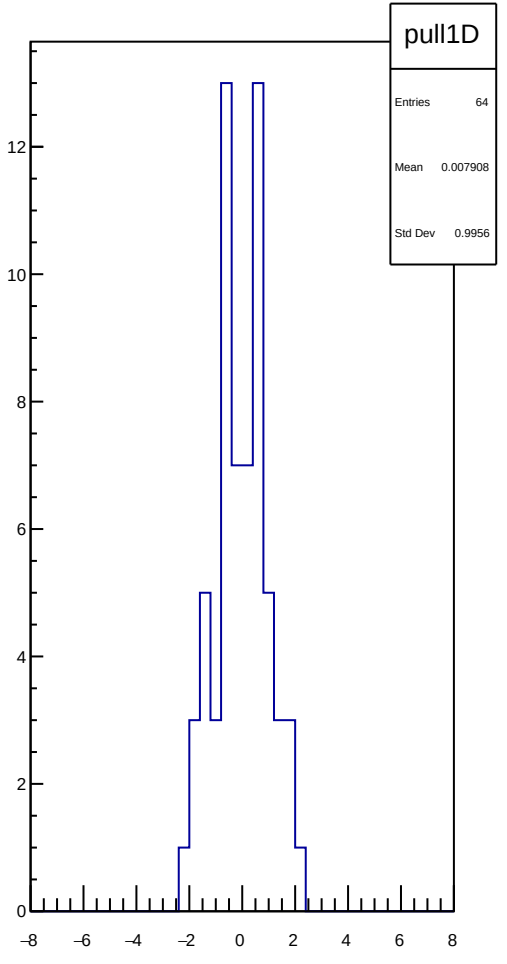

dit_asym_usr_rms vs run
χ² / ndf 184.8 / 63
p0 1098 ± 0.9918
1160
1140
1120
1100
1080
1060

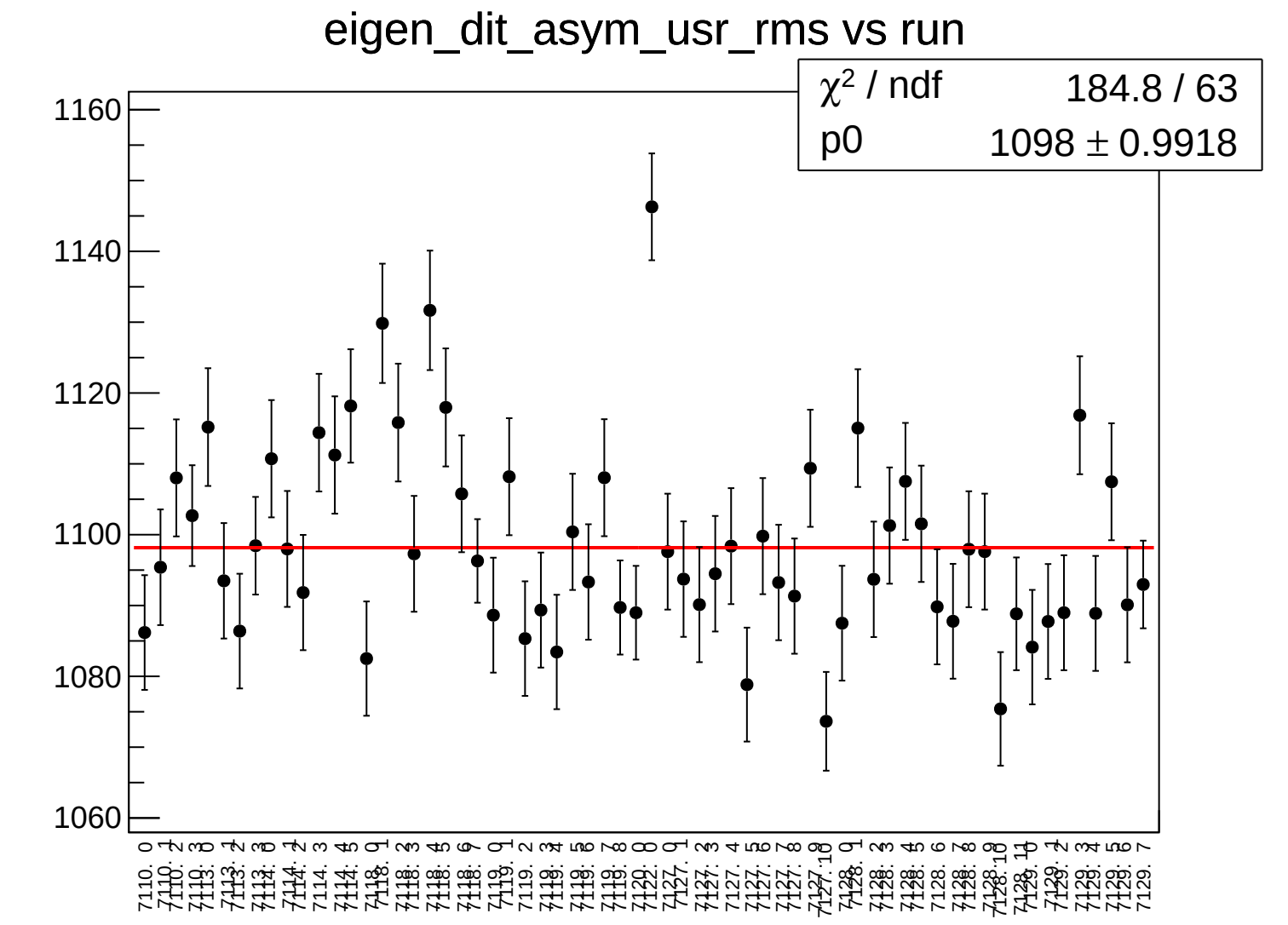

asym_usr_dit_correction_mean vs run
χ² / ndf 54.82 / 63
p0 644.7 ± 2040
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 22.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

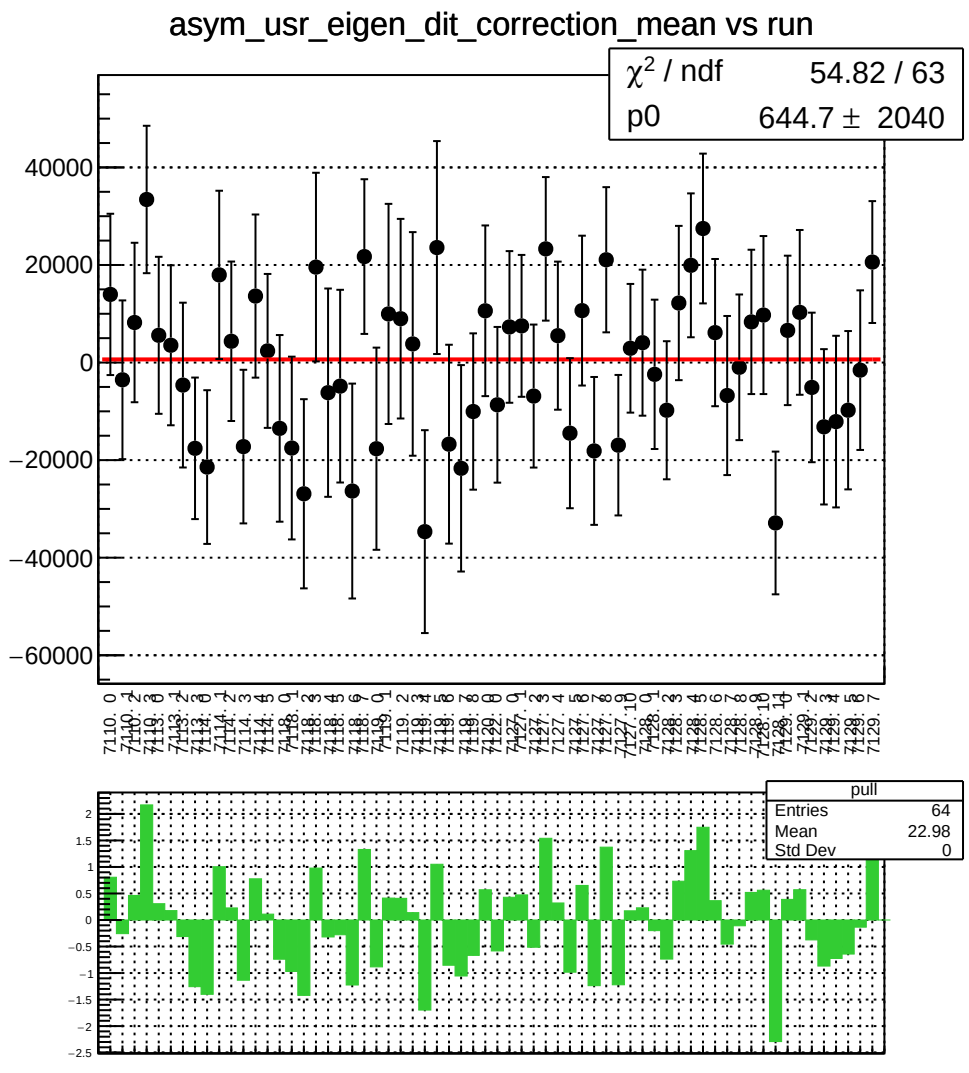

pull1D
Entries 64
Mean −0.0255
Std Dev 0.9252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

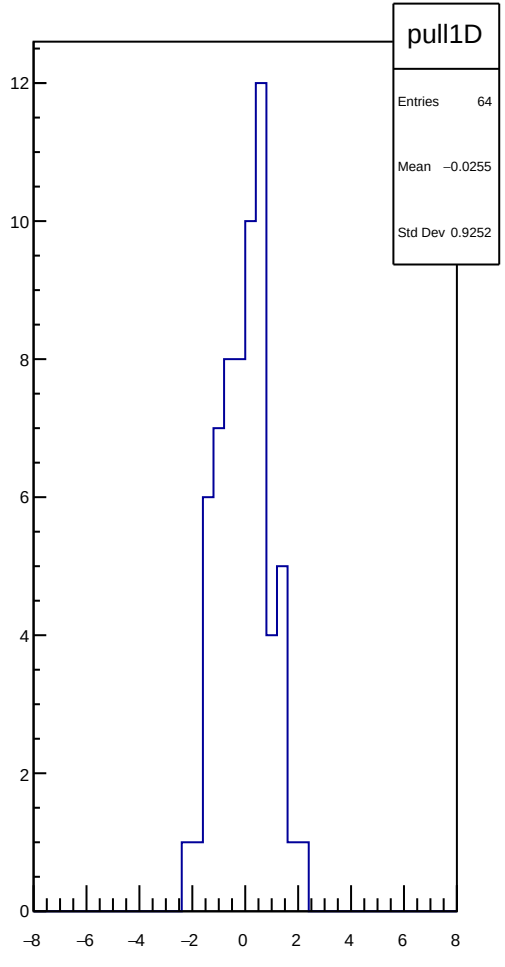

asym_usr_dit_correction_rms vs run
χ² / ndf 2.049e+04 / 63
p0 1584 ± 1.442
2200
2000
1800
1600
1400

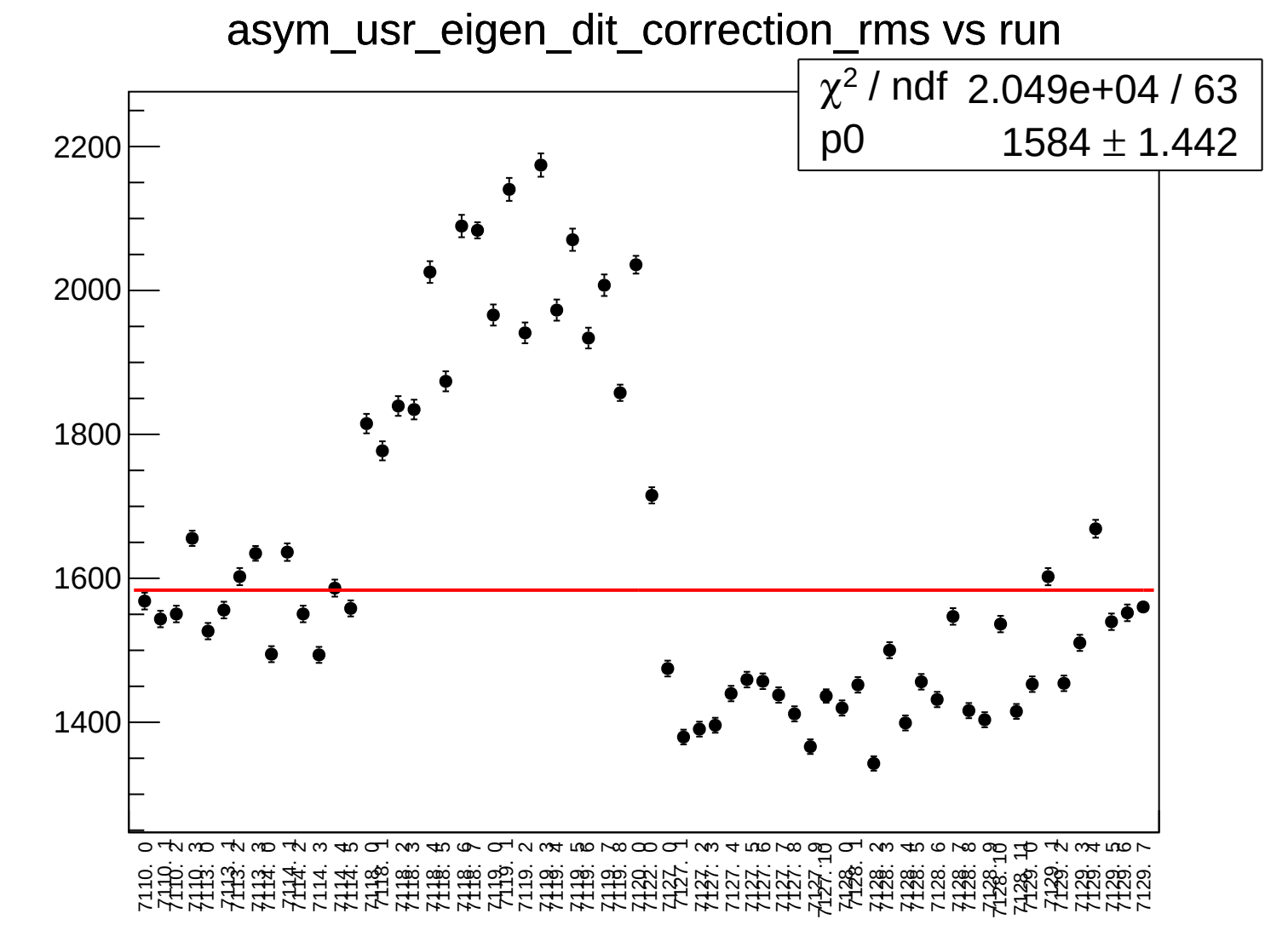

eigen_dit_asym_usr_mean vs run
χ² / ndf 63.44 / 63
p0 2409 ± 1403
pull
Entries 64
Mean 287.1
Std Dev 0

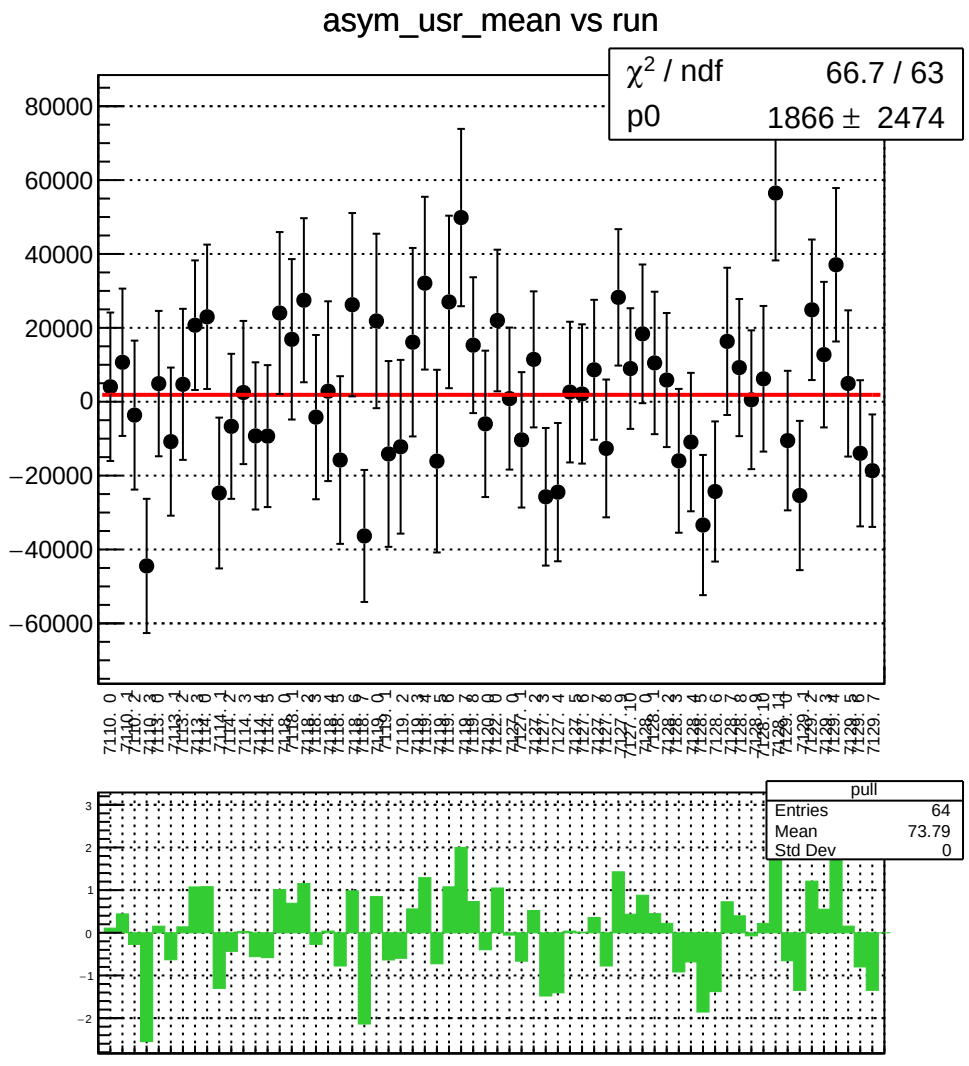

pull1D
Entries 64
Mean 0.007908
Std Dev 0.9956

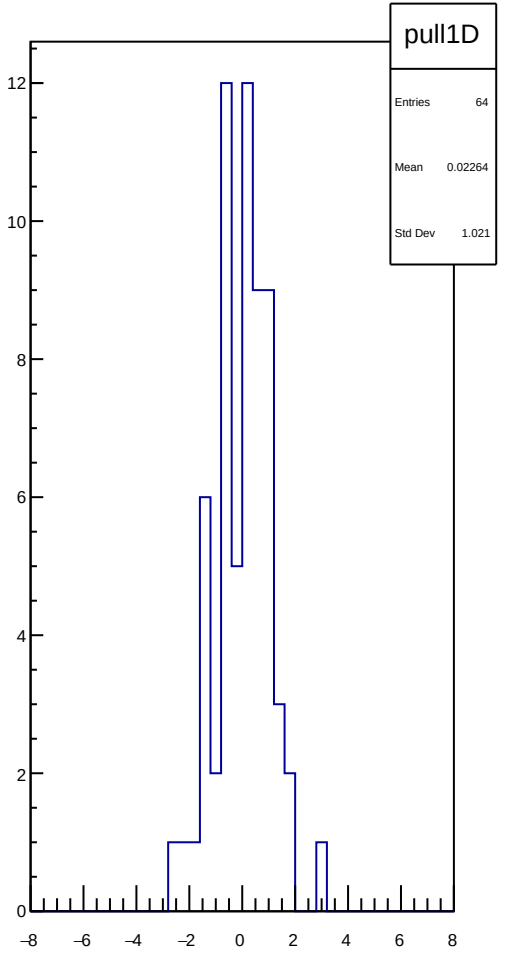

eigen_dit_asym_usr_rms vs run
χ² / ndf 184.8 / 63
p0 1098 ± 0.9918
1160
1140
1120
1100
1080
1060

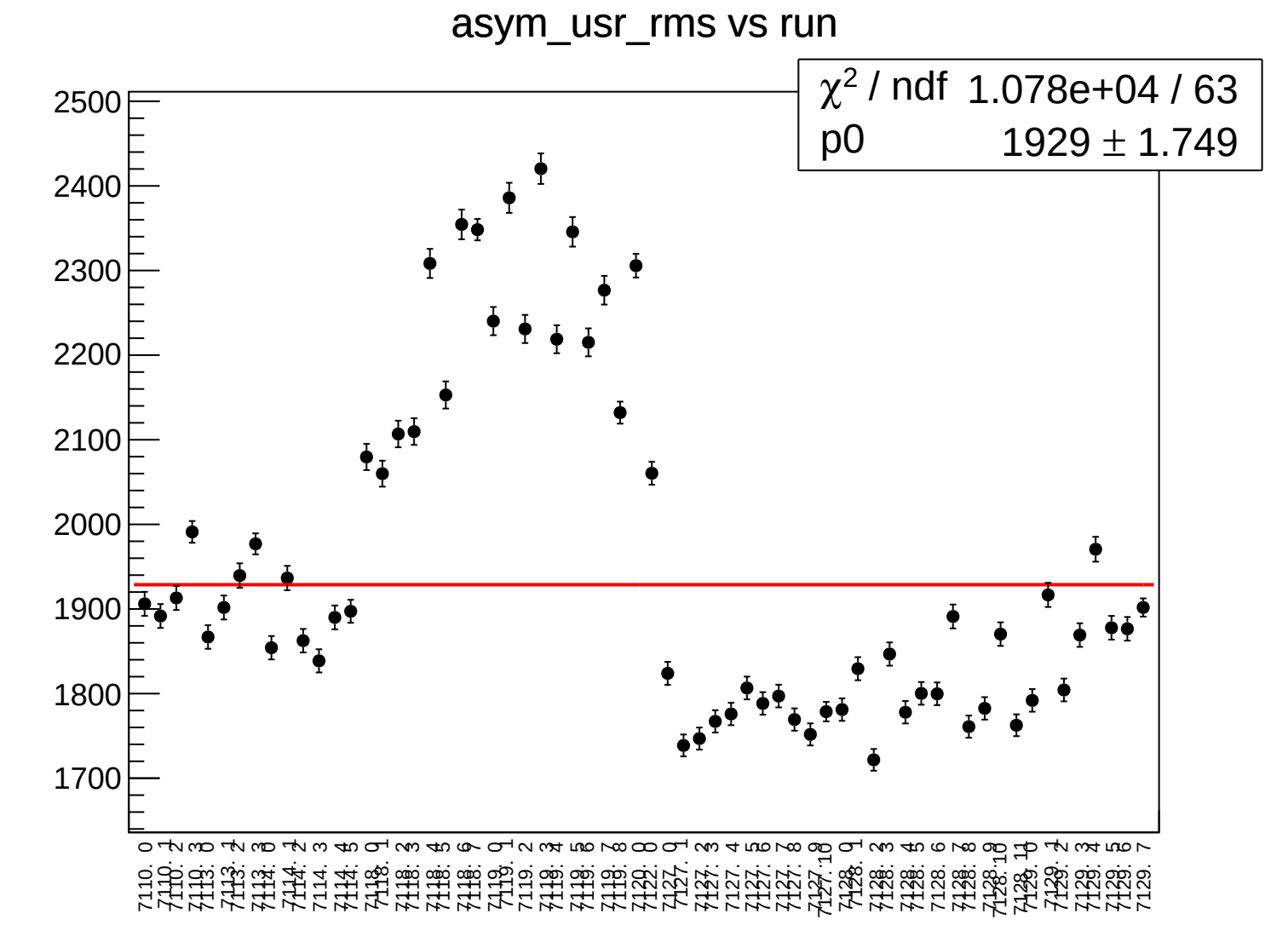

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 54.82 / 63
p0 644.7 ± 2040
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 22.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

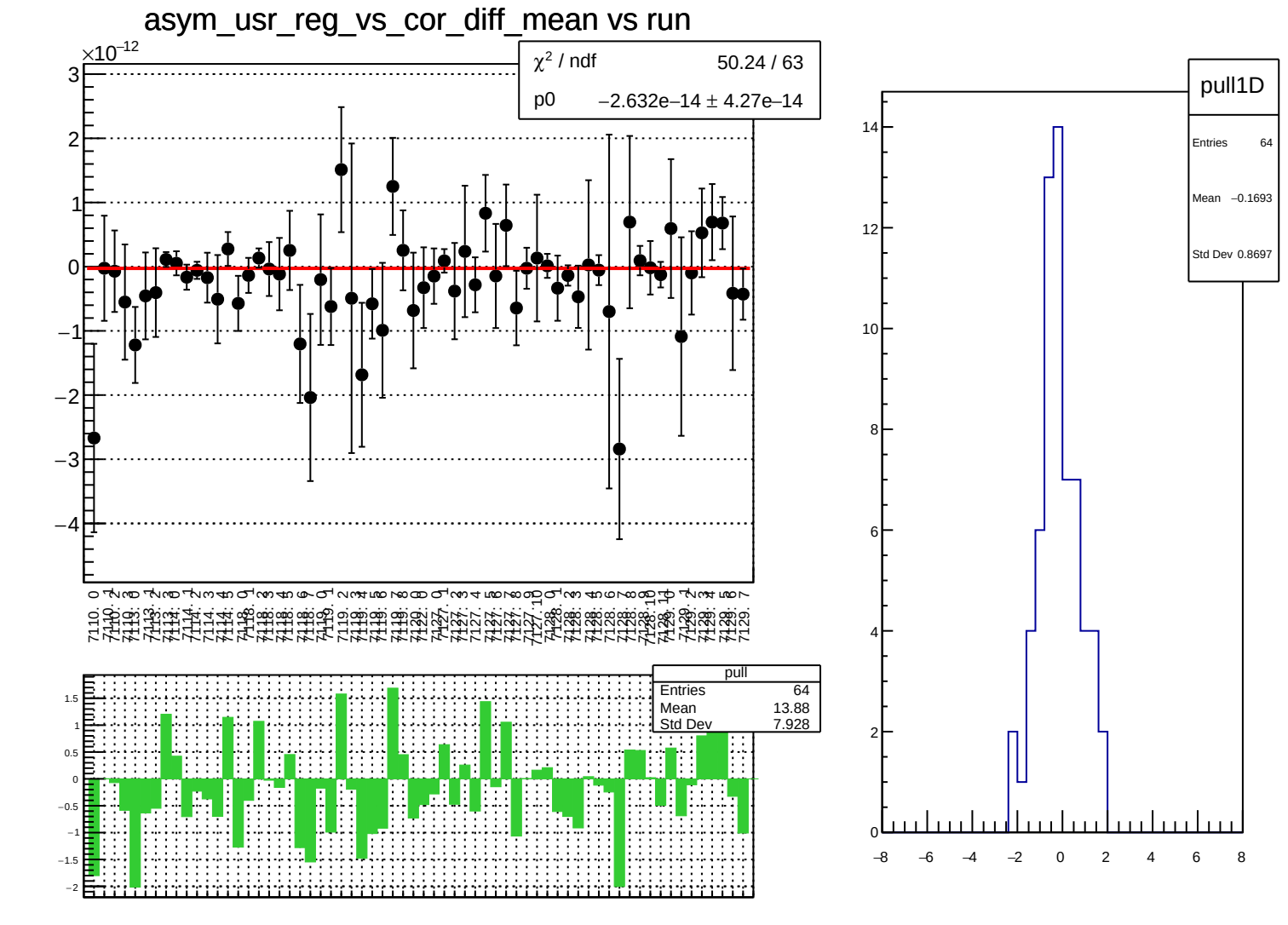

pull1D
Entries 64
Mean −0.0255
Std Dev 0.9252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

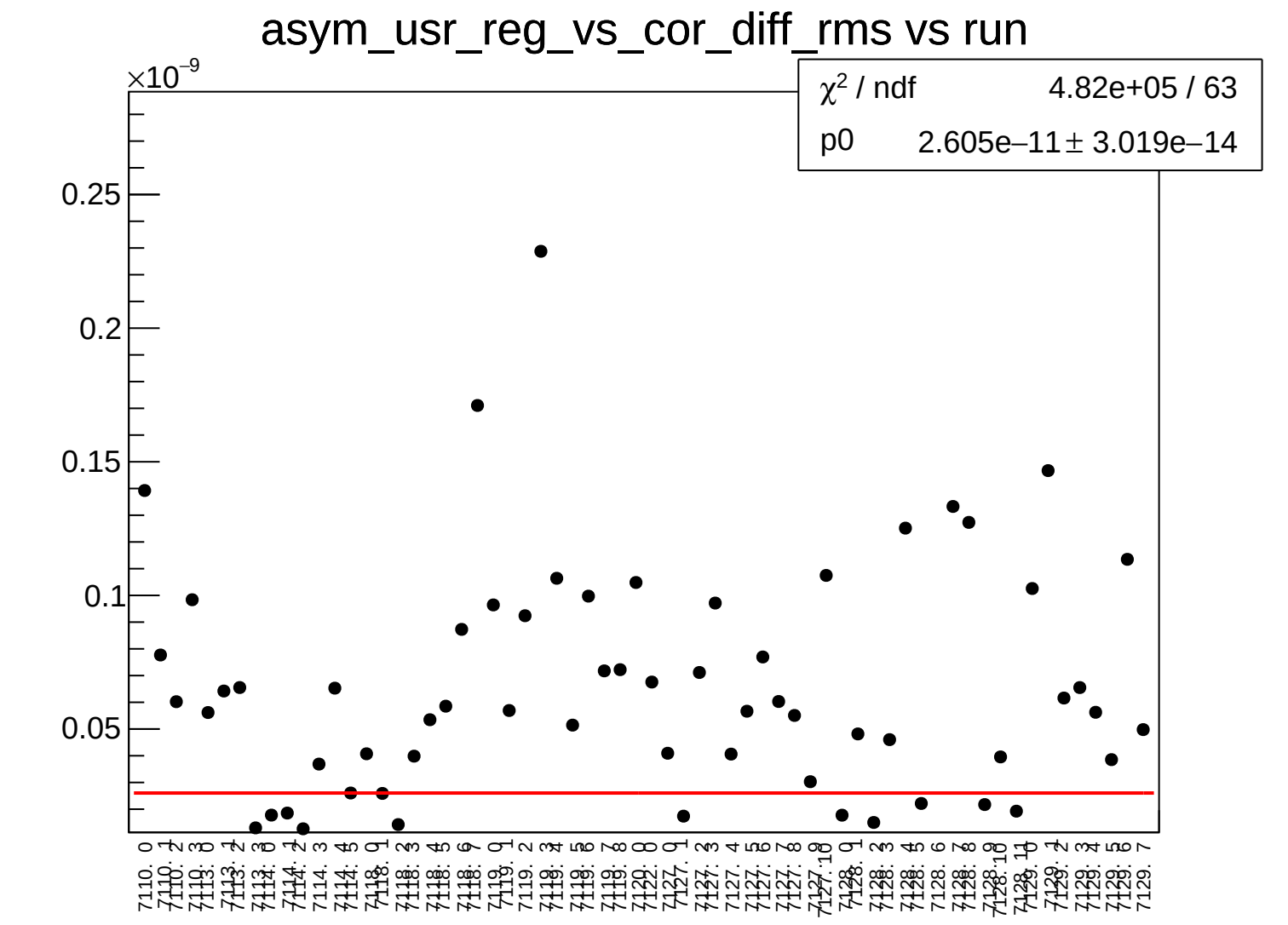

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 2.049e+04 / 63
p0 1584 ± 1.442
2200
2000
1800
1600
1400

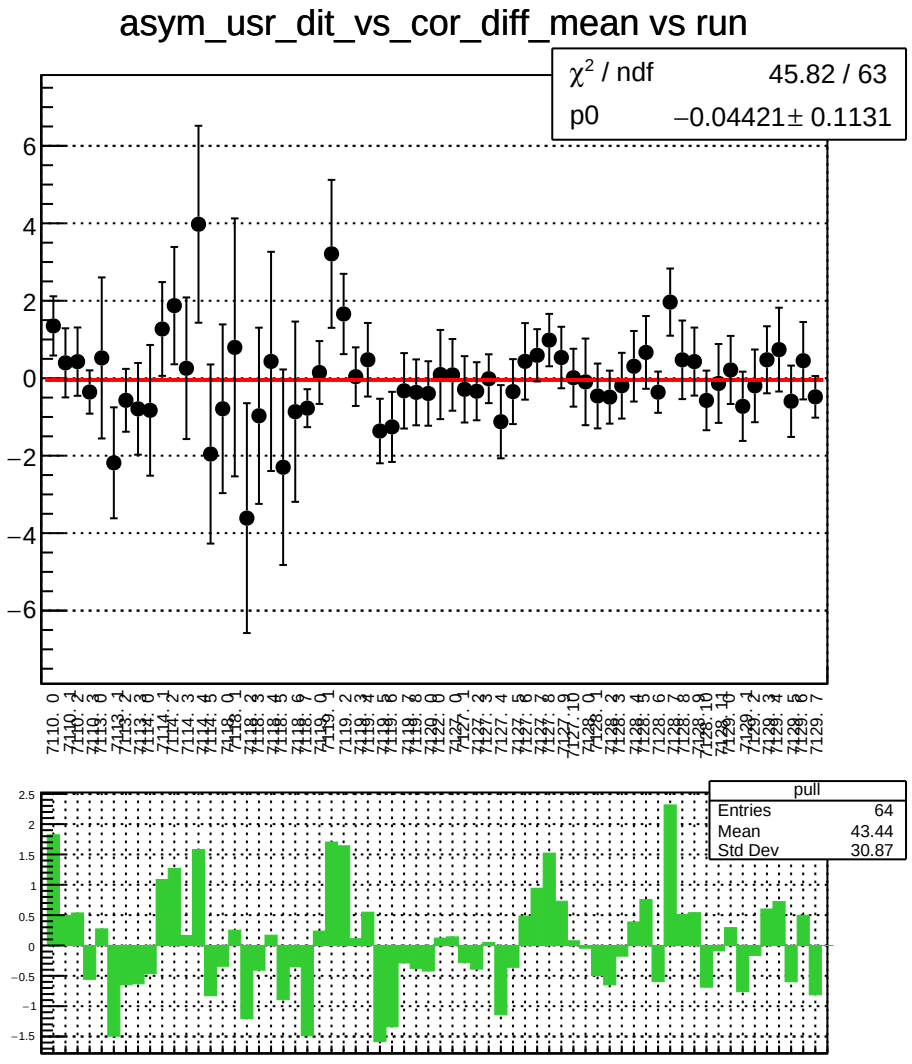

asym_usr_mean vs run
χ² / ndf 66.7 / 63
p0 1866 ± 2474
pull
Entries 64
Mean 73.79
Std Dev 0

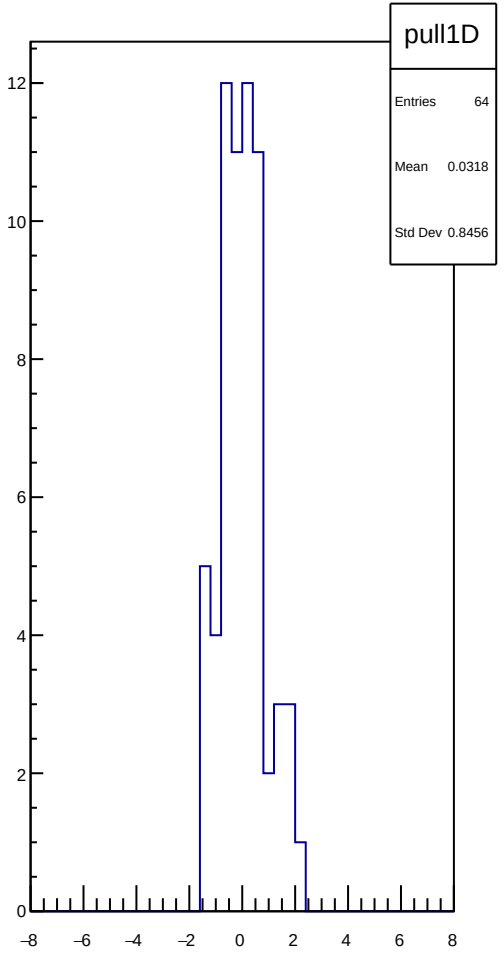

pull1D
Entries 64
Mean 0.02264
Std Dev 1.021

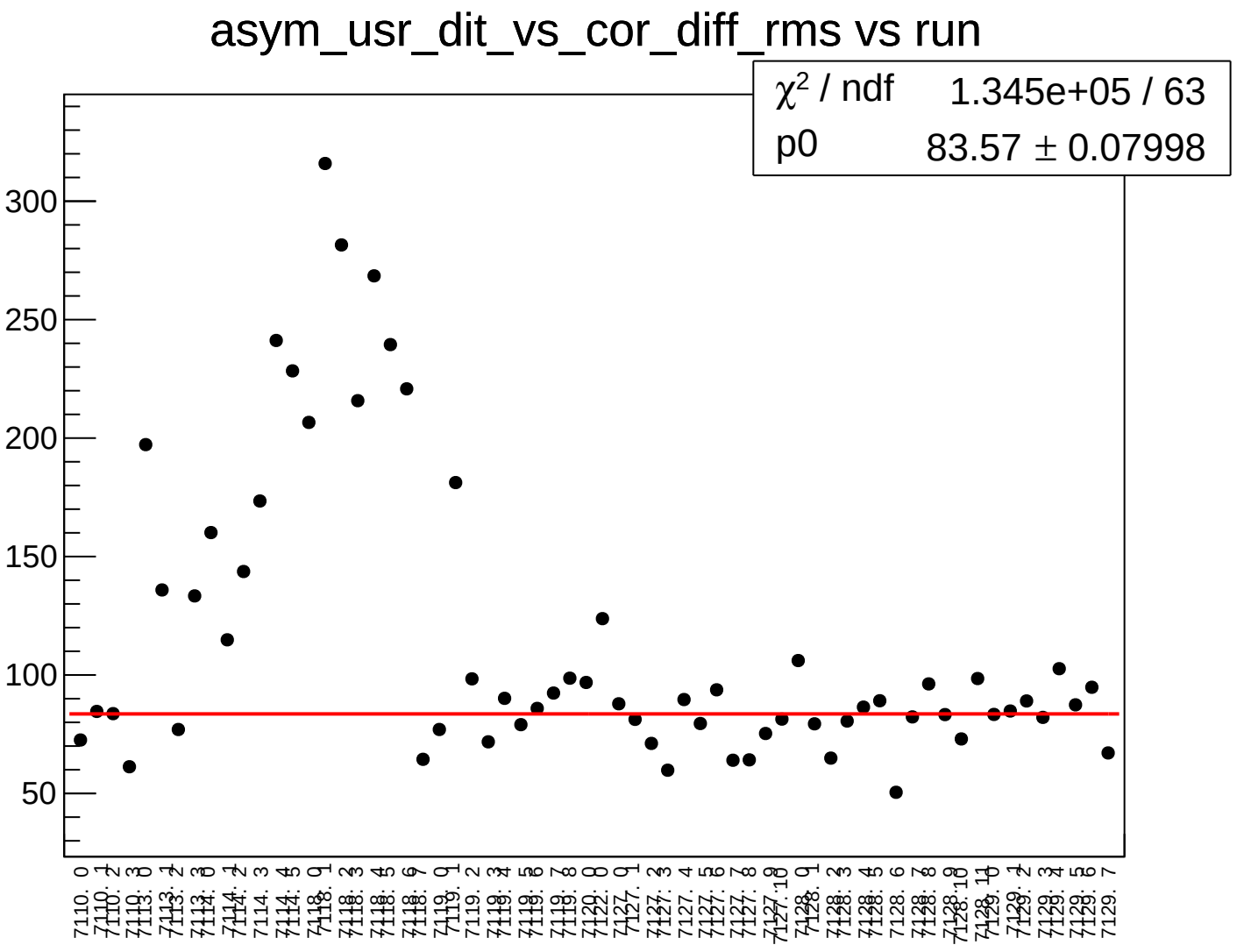

asym_usr_rms vs run
χ² / ndf 1.078e+04 / 63
p0 1929 ± 1.749
2500
2400
2300
2200
2100
2000
1900
1800
1700

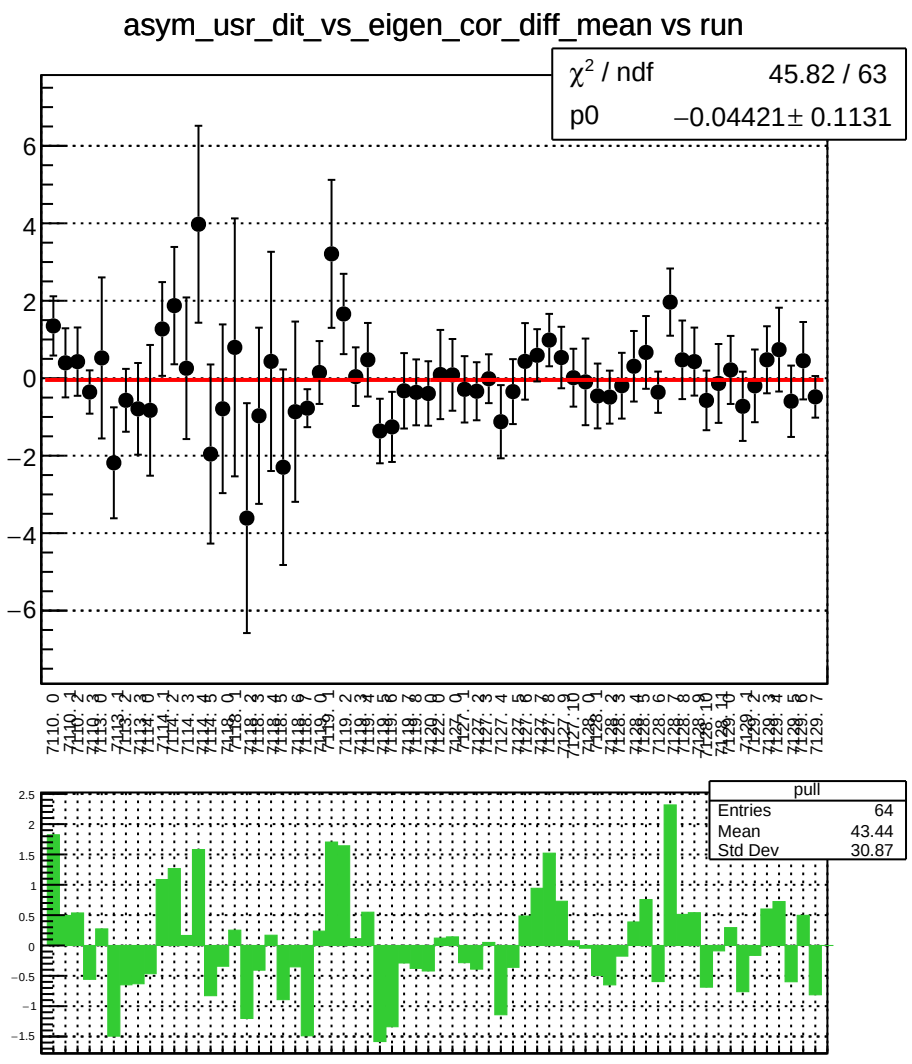

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.24 / 63
p0 −2.632e−14 ± 4.27e−14
pull
Entries 64
Mean 13.88
Std Dev 7.928
pull1D
Entries 64
Mean −0.1693
Std Dev 0.8697

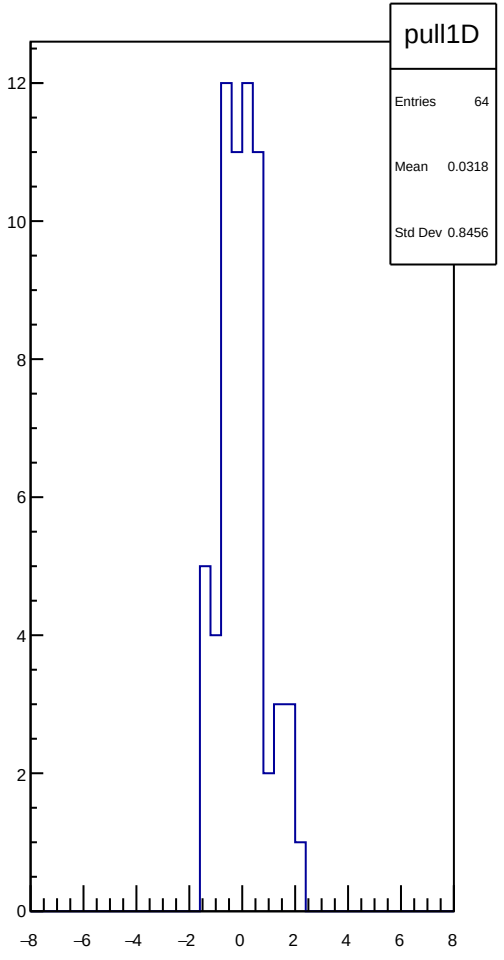

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.82e+05 / 63
p0 2.605e−11 ± 3.019e−14
0.25
0.2
0.15
0.1
0.05

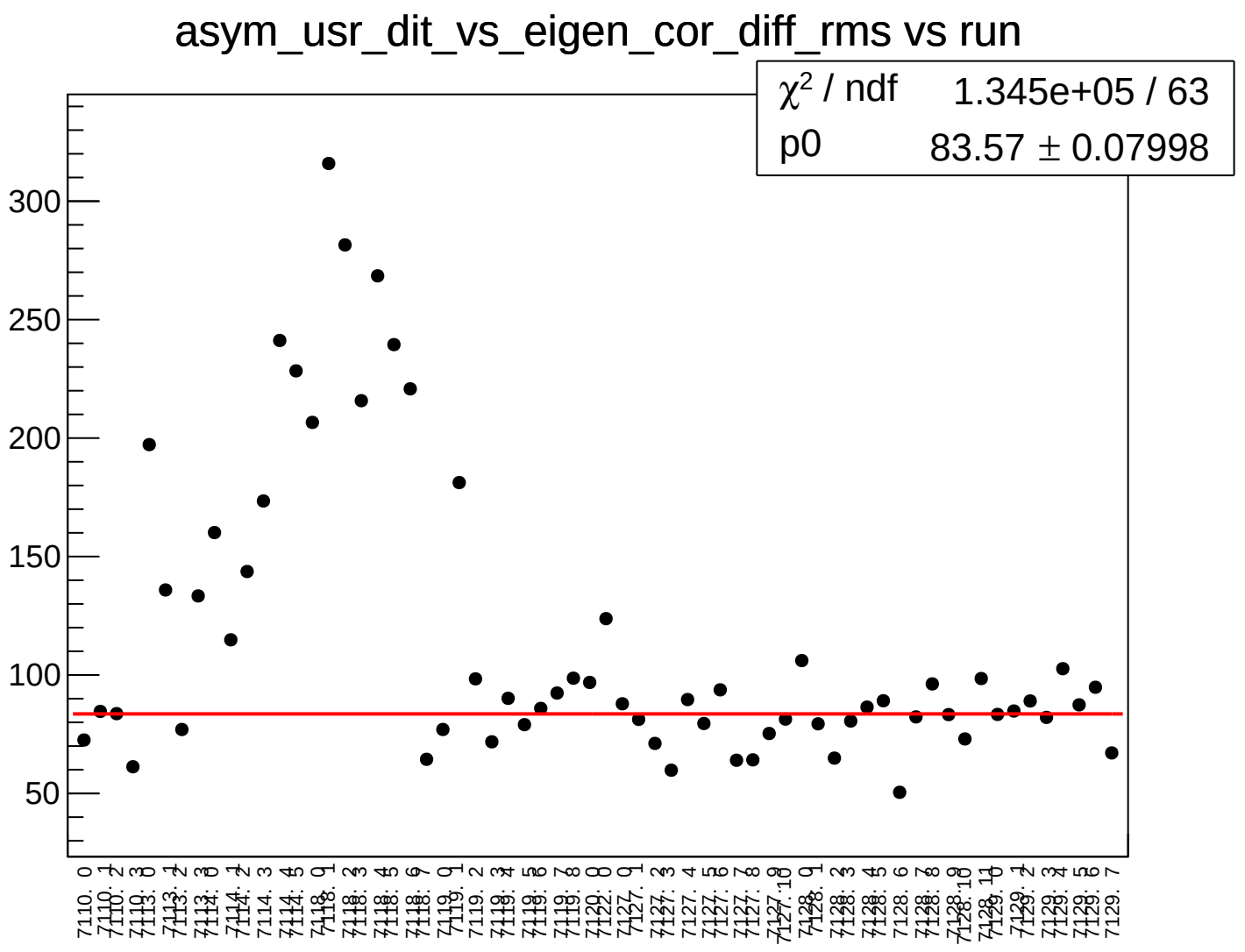

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 45.82 / 63
p0 −0.04421± 0.1131
pull
Entries 64
Mean 43.44
Std Dev 30.87

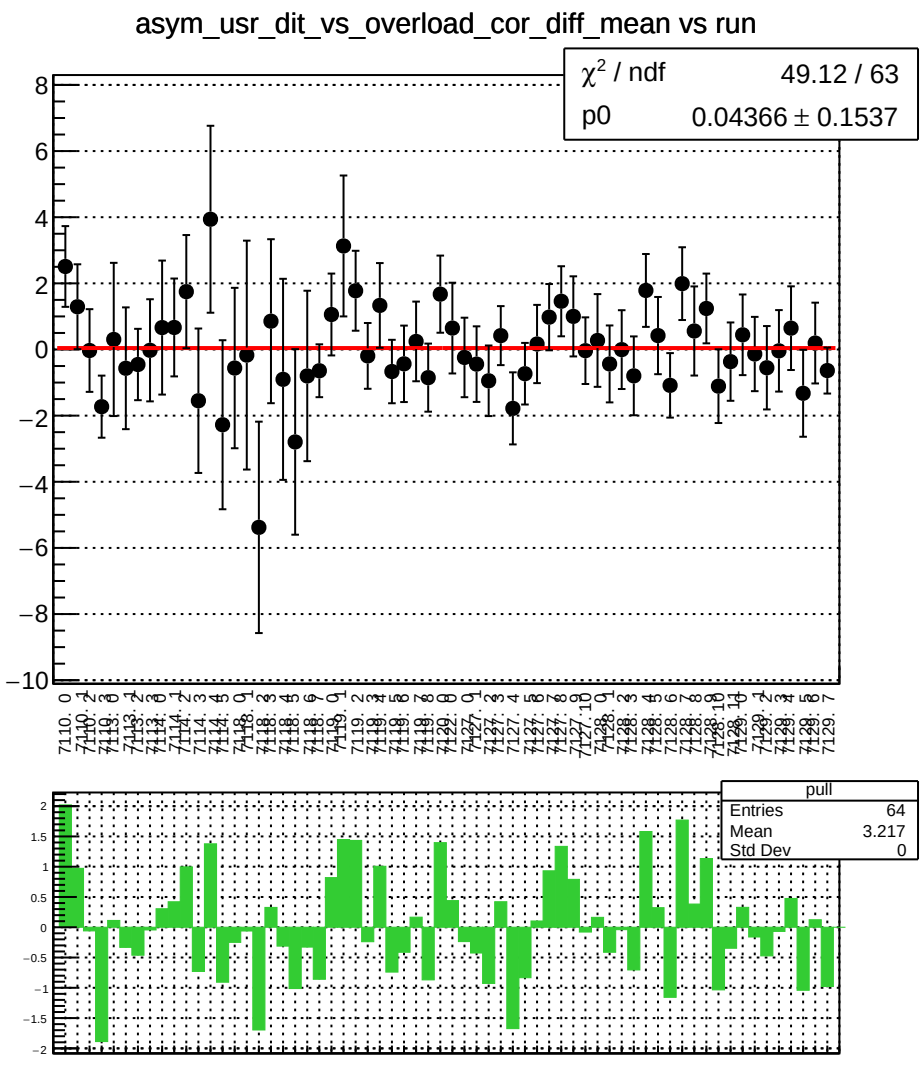

pull1D
Entries 64
Mean 0.0318
Std Dev 0.8456

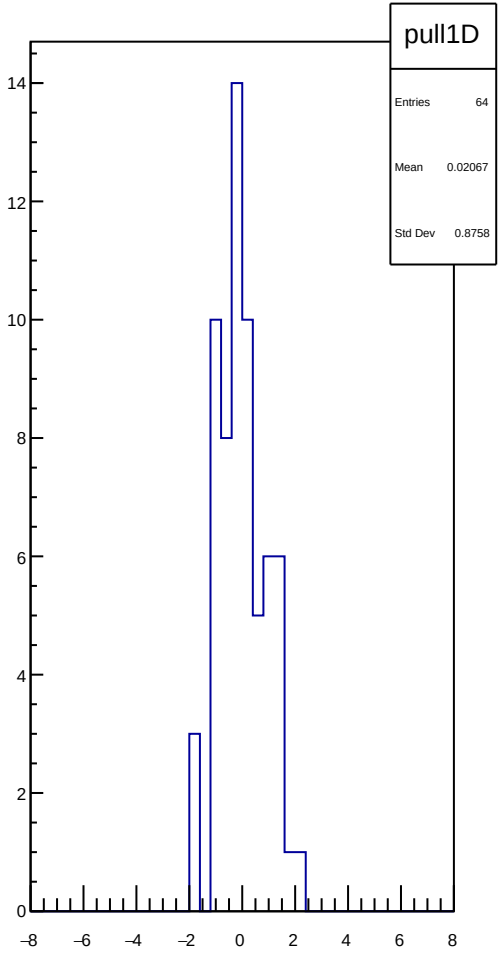

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 63
p0 83.57 ± 0.07998
300
250
200
150
100
50

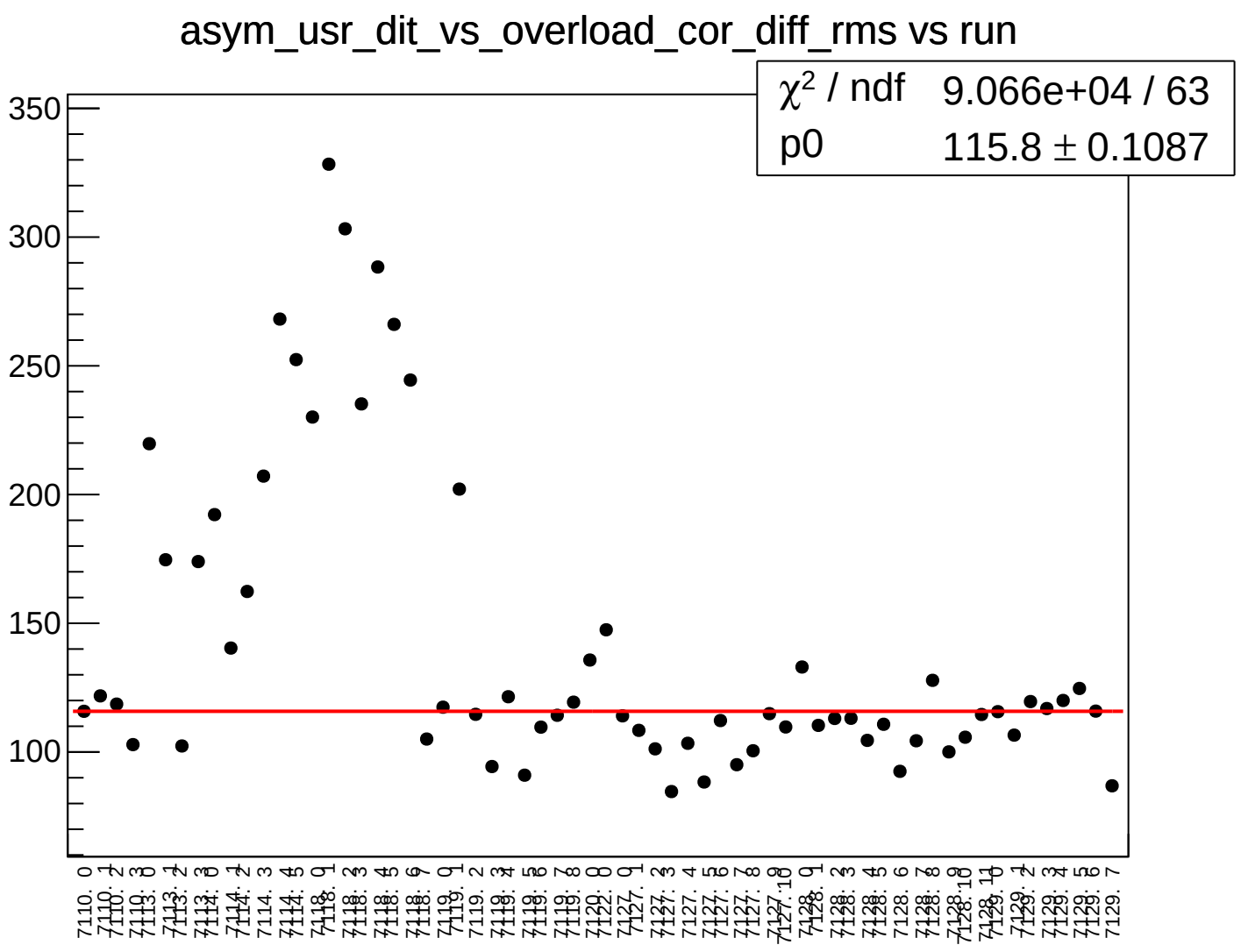

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.82 / 63
p0 −0.04421± 0.1131
pull
Entries 64
Mean 43.44
Std Dev 30.87

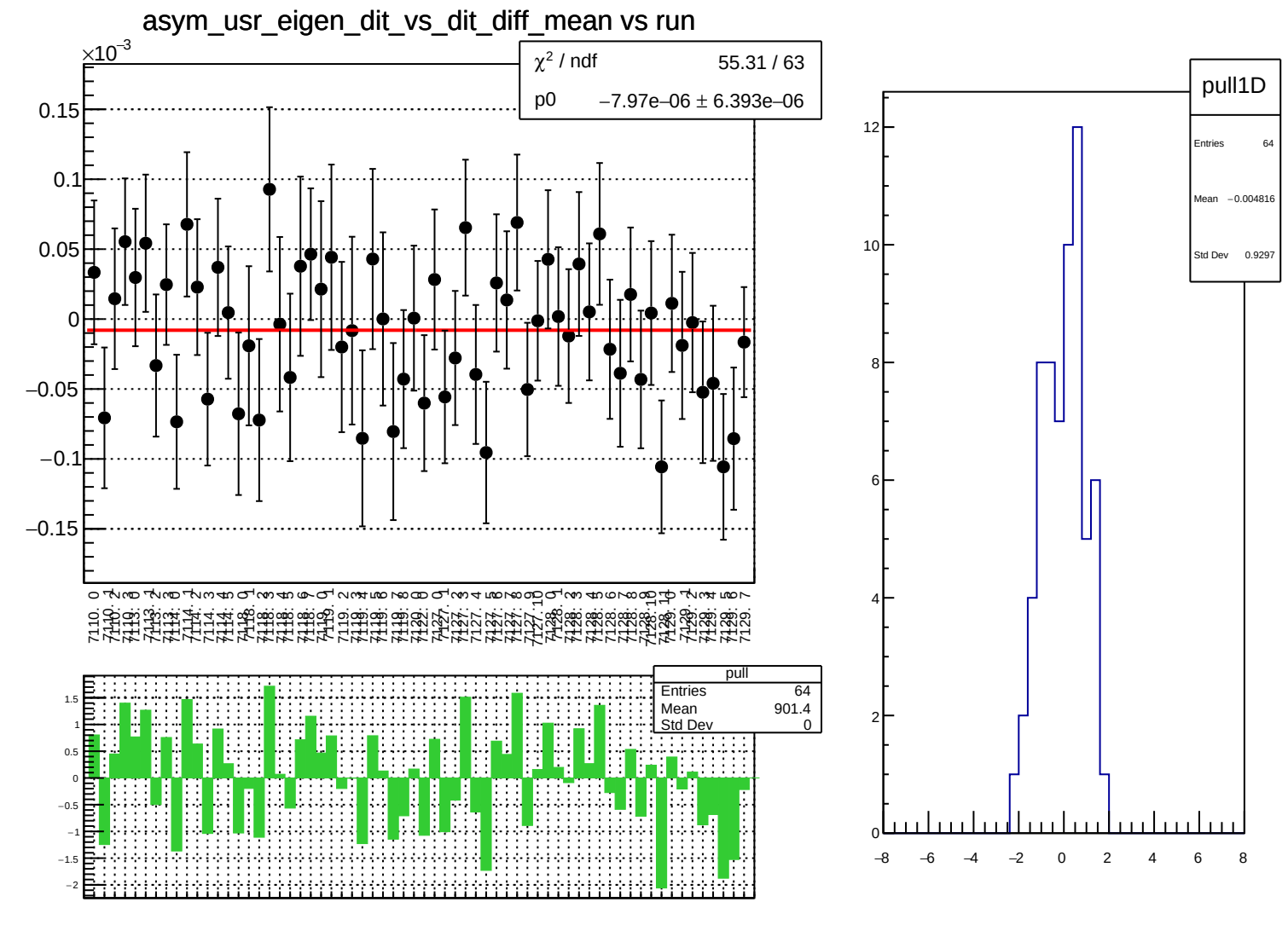

pull1D
Entries 64
Mean 0.0318
Std Dev 0.8456

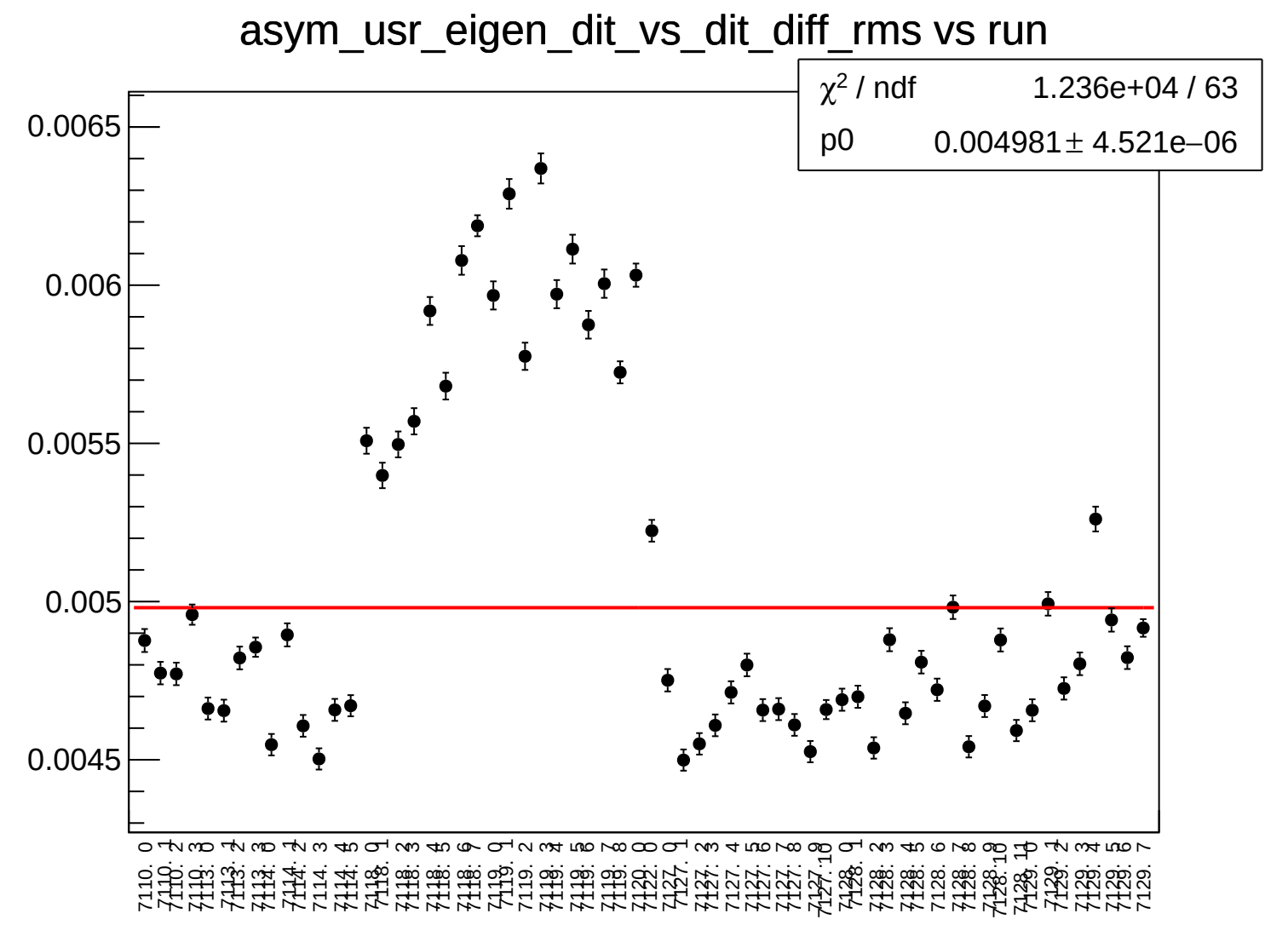

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 63
p0 83.57 ± 0.07998
300
250
200
150
100
50

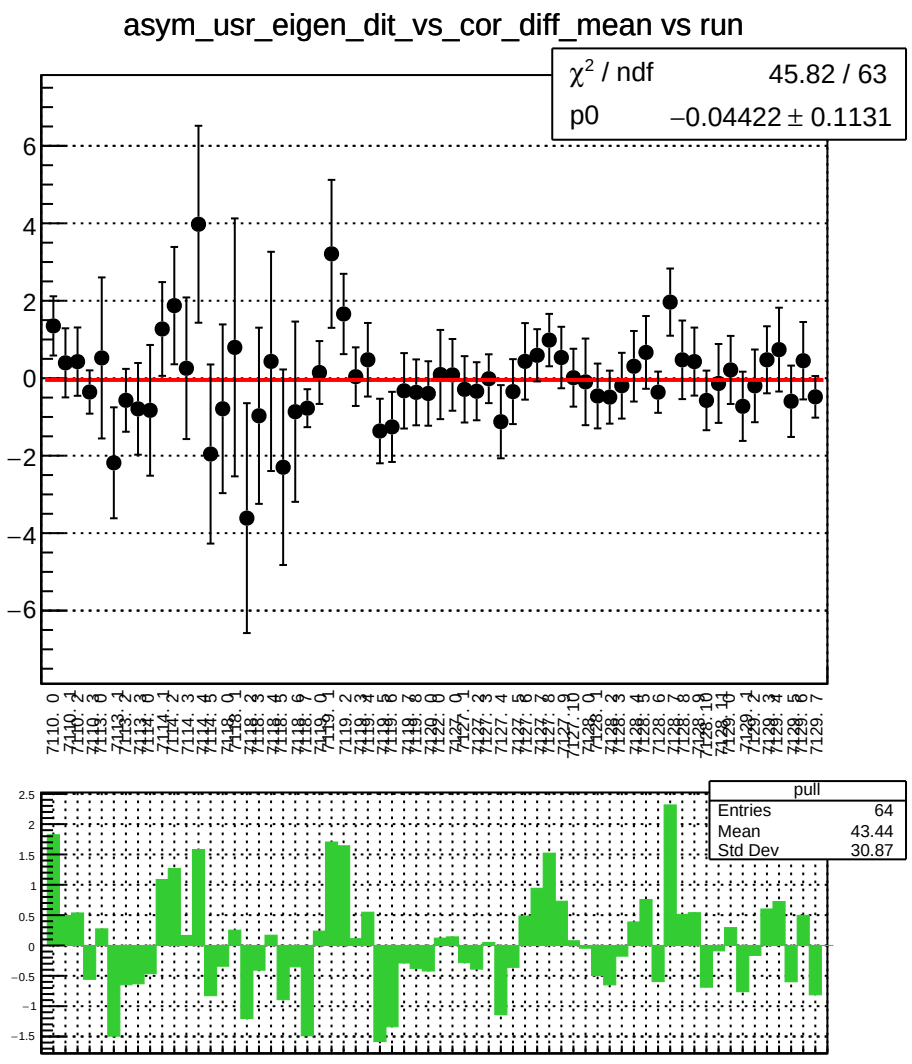

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 49.12 / 63
p0 0.04366 ± 0.1537
pull
Entries 64
Mean 3.217
Std Dev 0

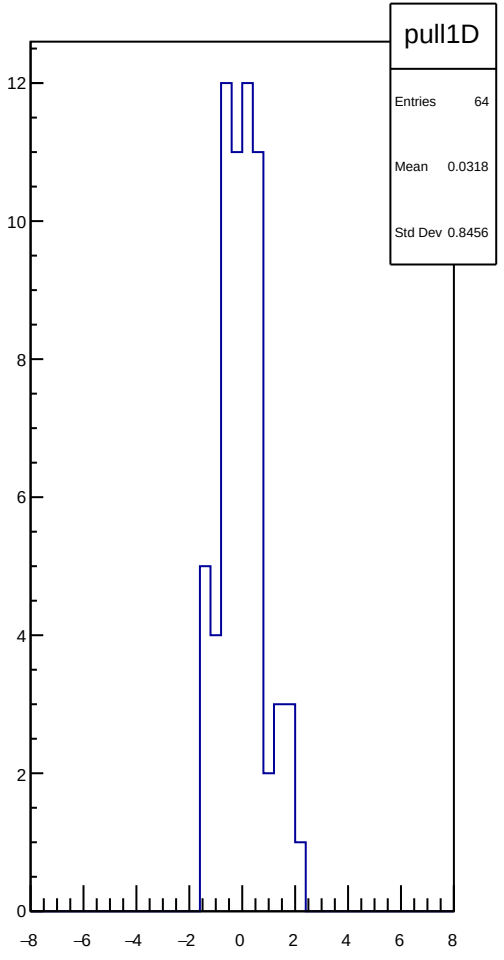

pull1D
Entries 64
Mean 0.02067
Std Dev 0.8758

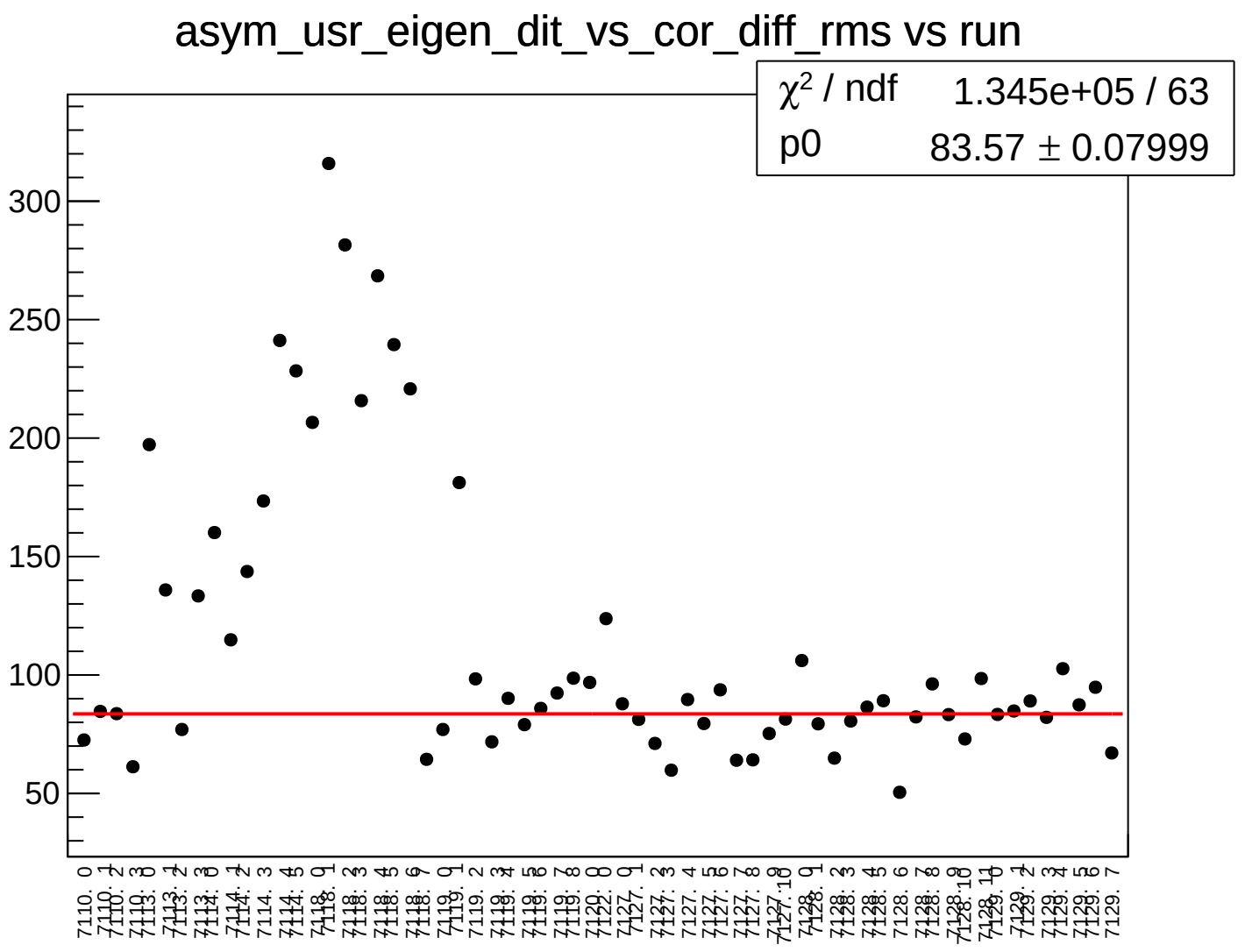

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ^2 / ndf 9.066e+04 / 63
p0 115.8 ± 0.1087
350
300
250
200
150
100

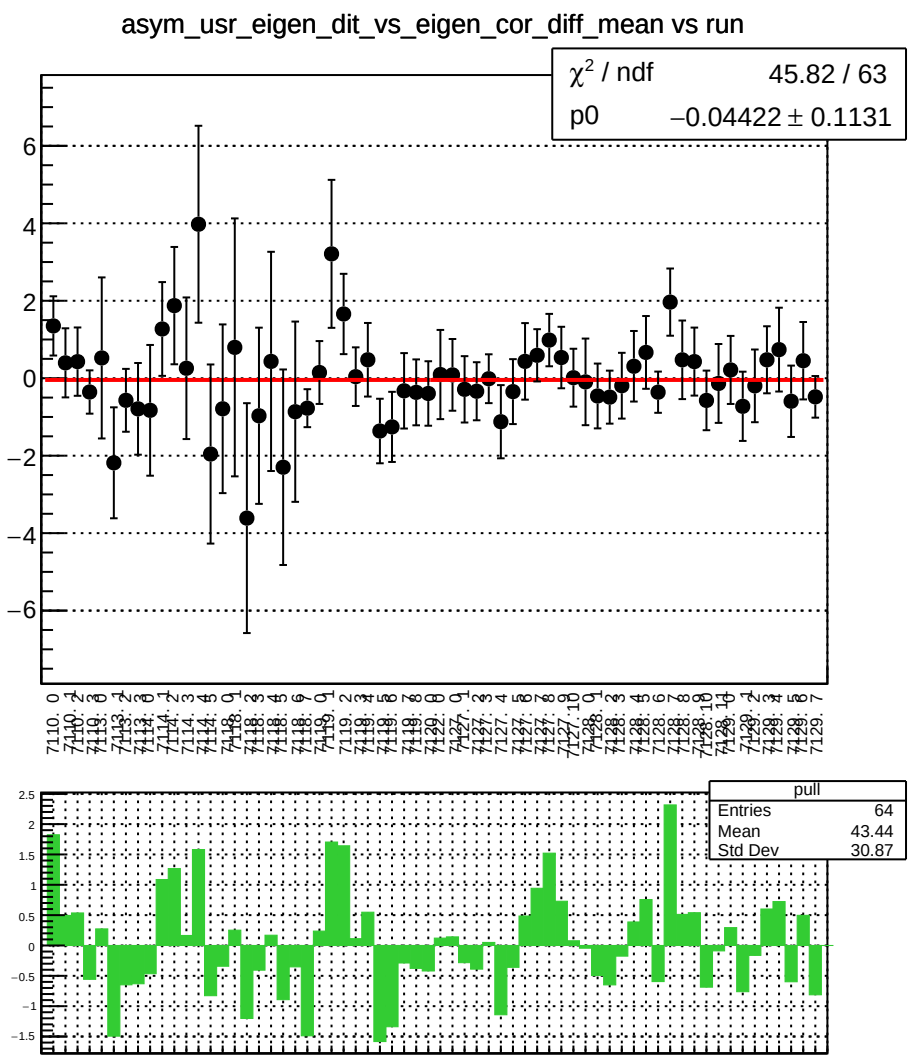

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.31 / 63
p0 −7.97e−06 ± 6.393e−06
pull
Entries 64
Mean 901.4
Std Dev 0
pull1D
Entries 64
Mean −0.004816
Std Dev 0.9297

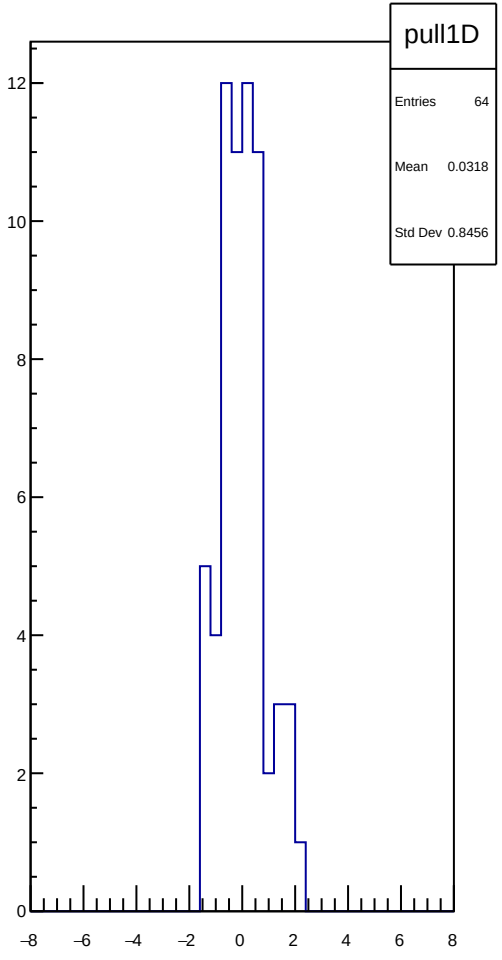

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.236e+04 / 63
p0 0.004981 ± 4.521e−06
0.0065
0.006
0.0055
0.005
0.0045

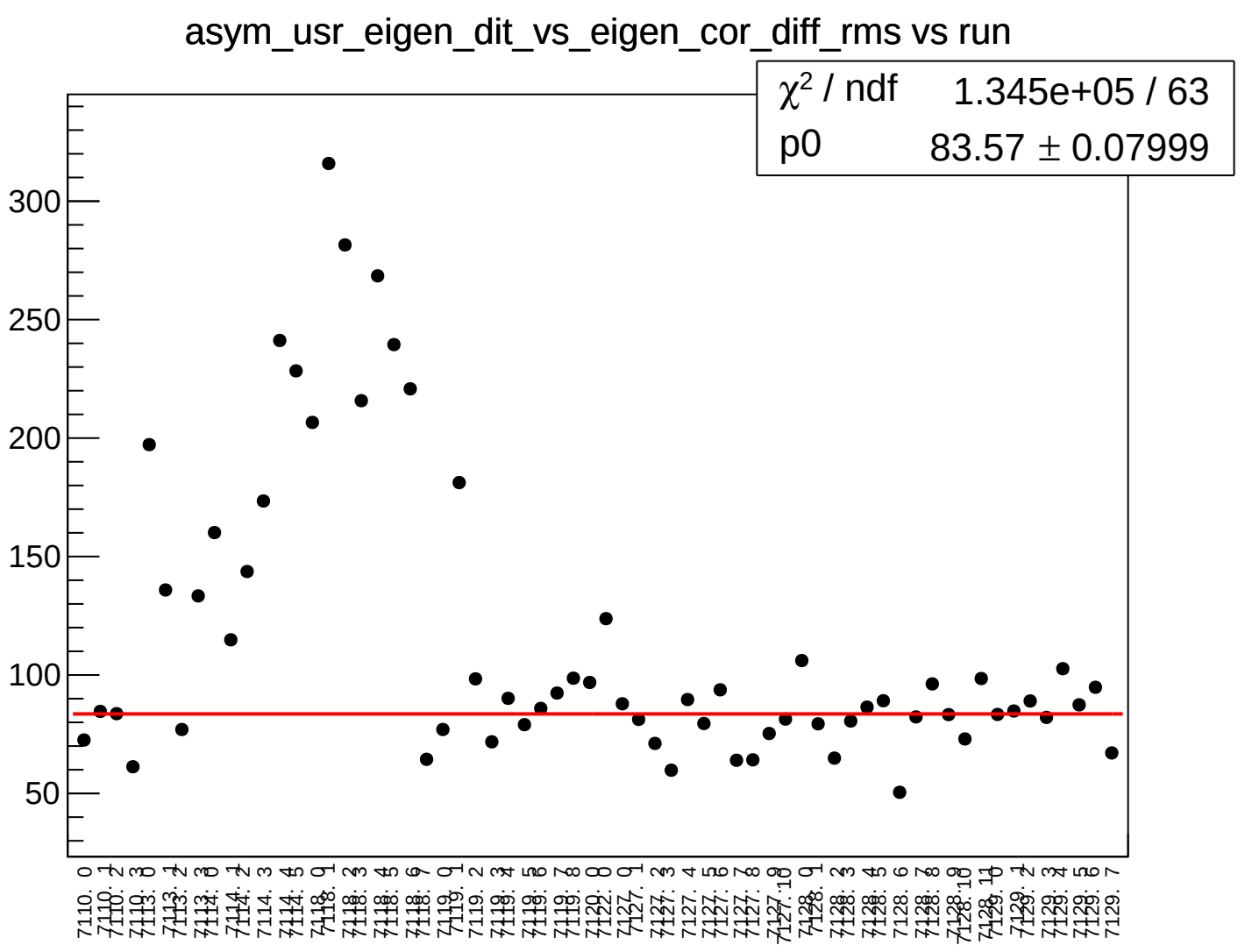

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.82 / 63
p0 −0.04422 ± 0.1131
pull
Entries 64
Mean 43.44
Std Dev 30.87

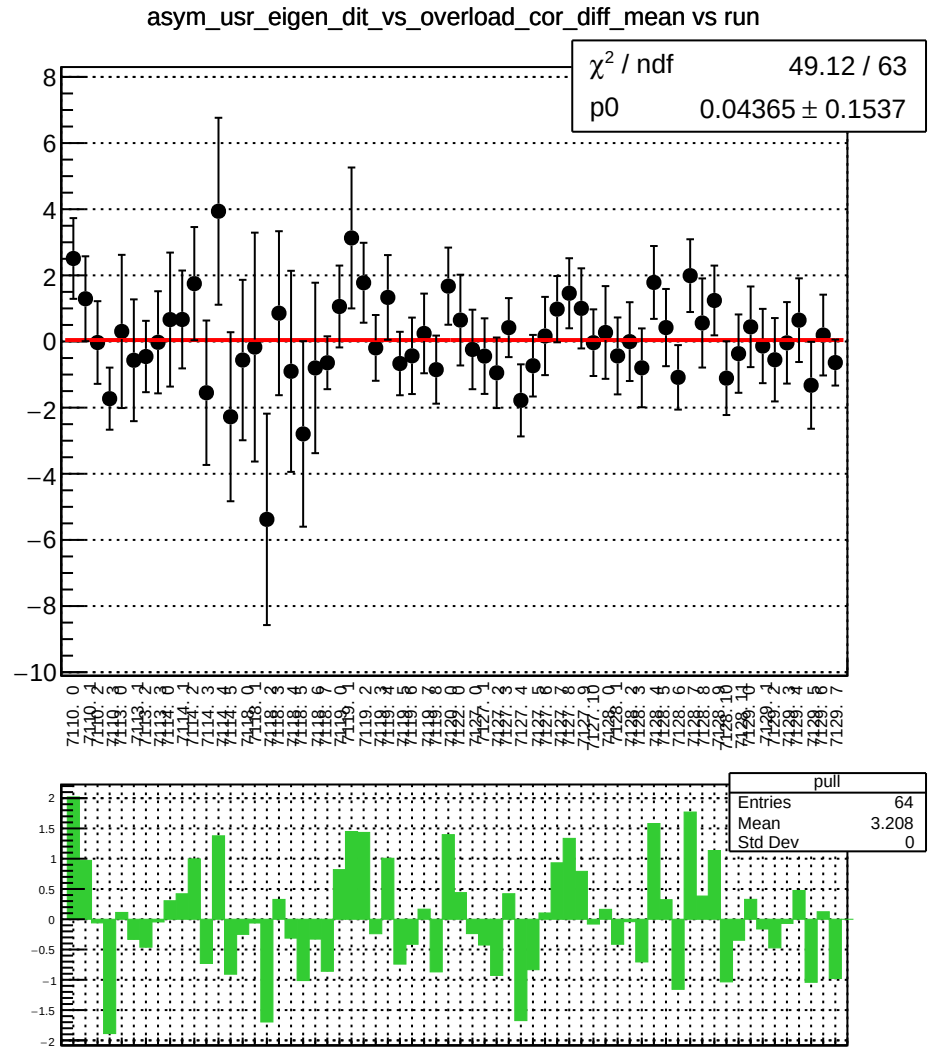

pull1D
Entries 64
Mean 0.0318
Std Dev 0.8456

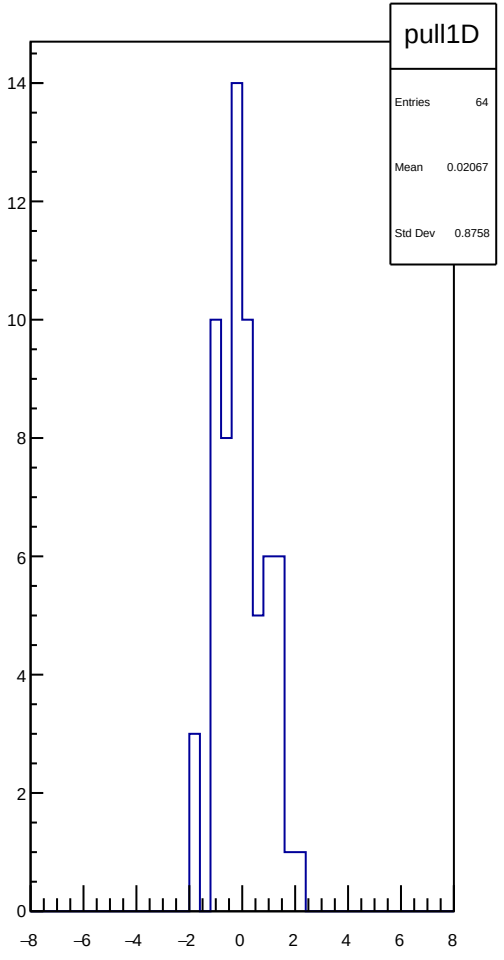

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 63
p0 83.57 ± 0.07999
300
250
200
150
100
50

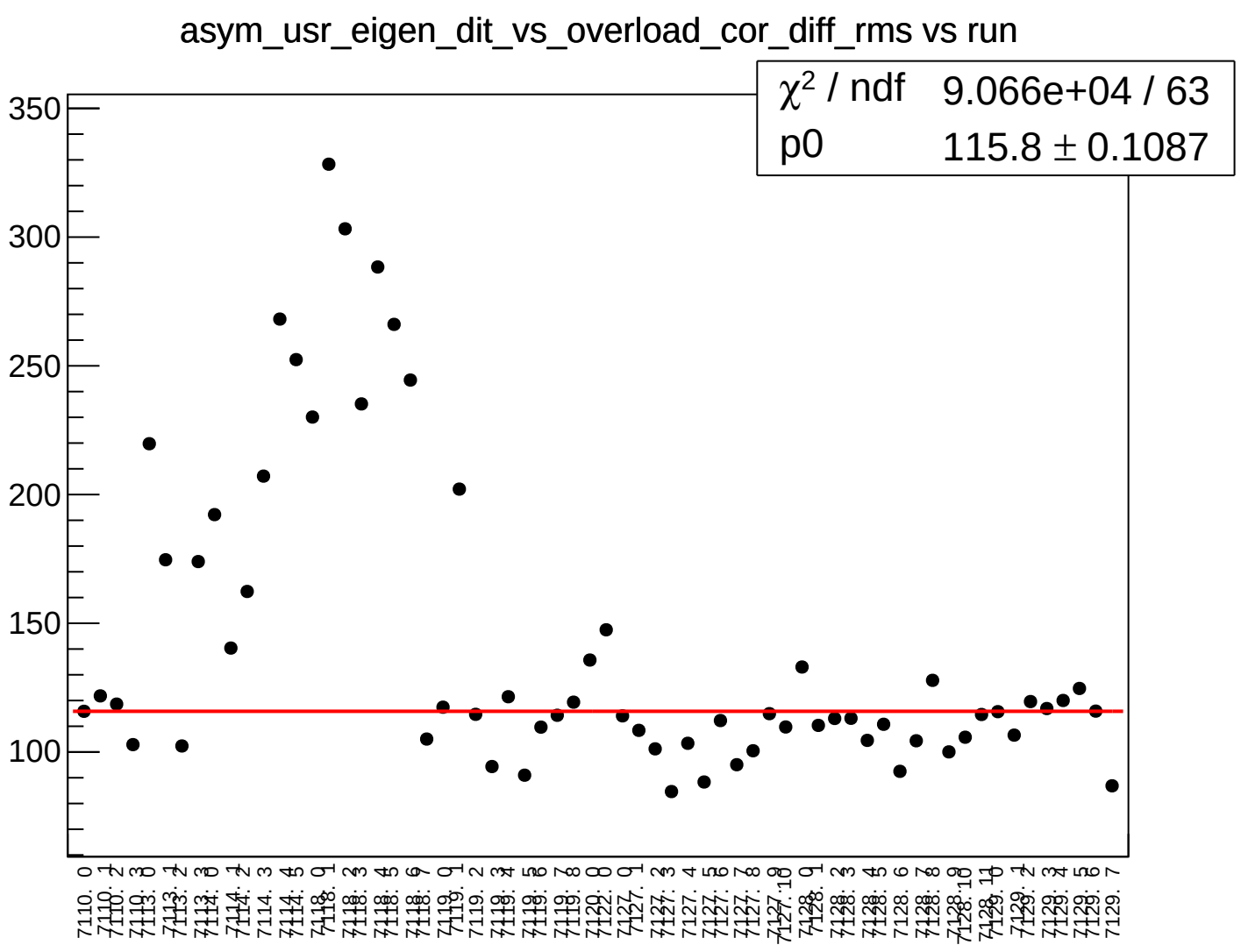

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.82 / 63
p0 −0.04422 ± 0.1131
pull
Entries 64
Mean 43.44
Std Dev 30.87

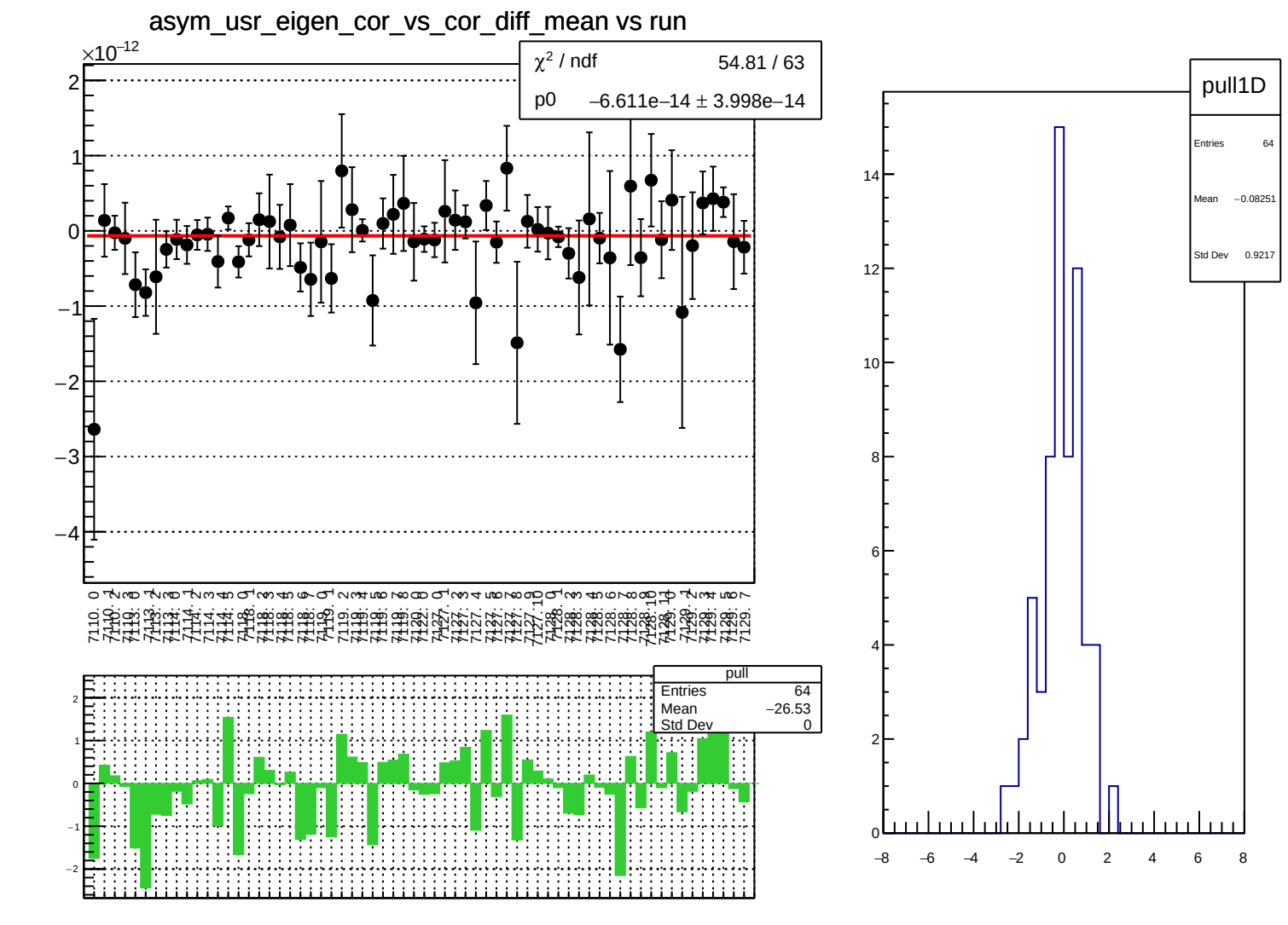

pull1D
Entries 64
Mean 0.0318
Std Dev 0.8456

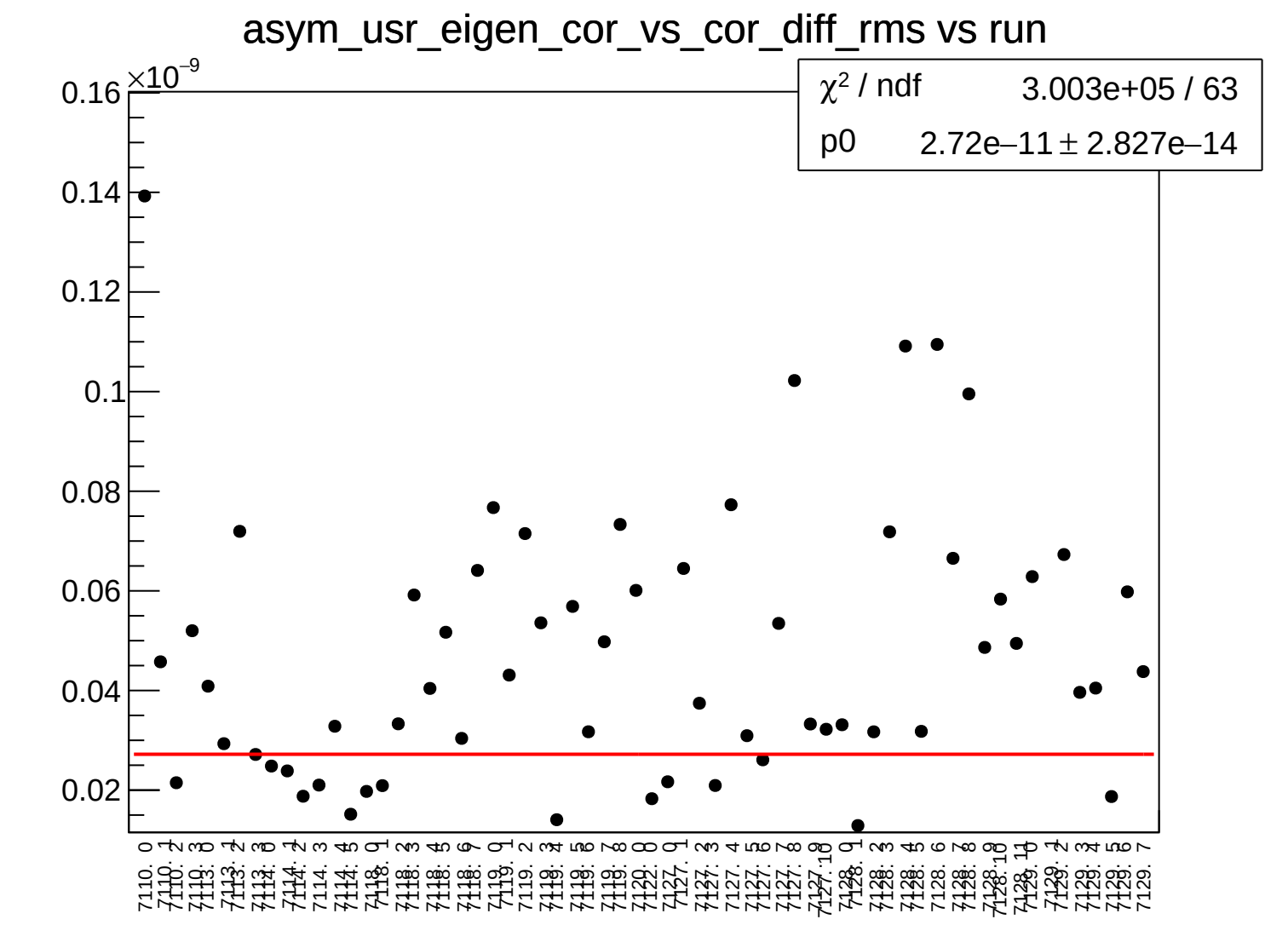

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 63
p0 83.57 ± 0.07999
300
250
200
150
100
50

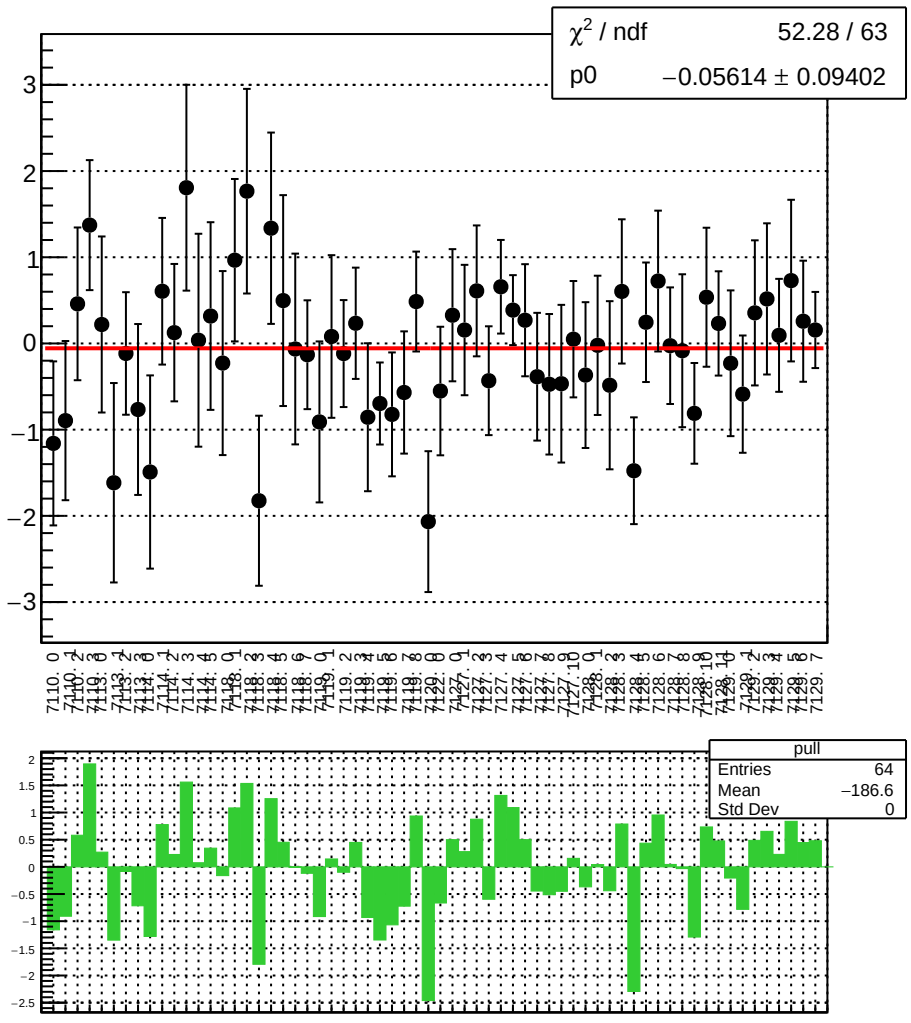

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 49.12 / 63
p0 0.04365 ± 0.1537
pull
Entries 64
Mean 3.208
Std Dev 0

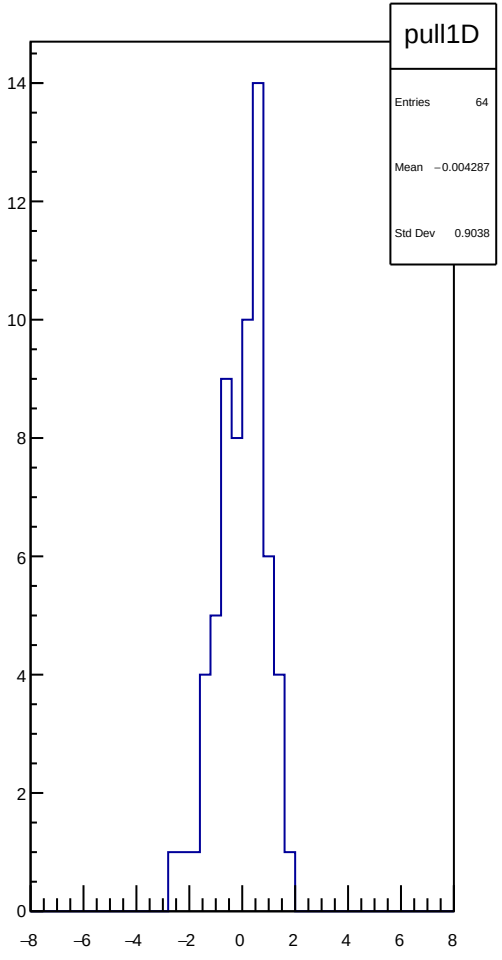

pull1D
Entries 64
Mean 0.02067
Std Dev 0.8758

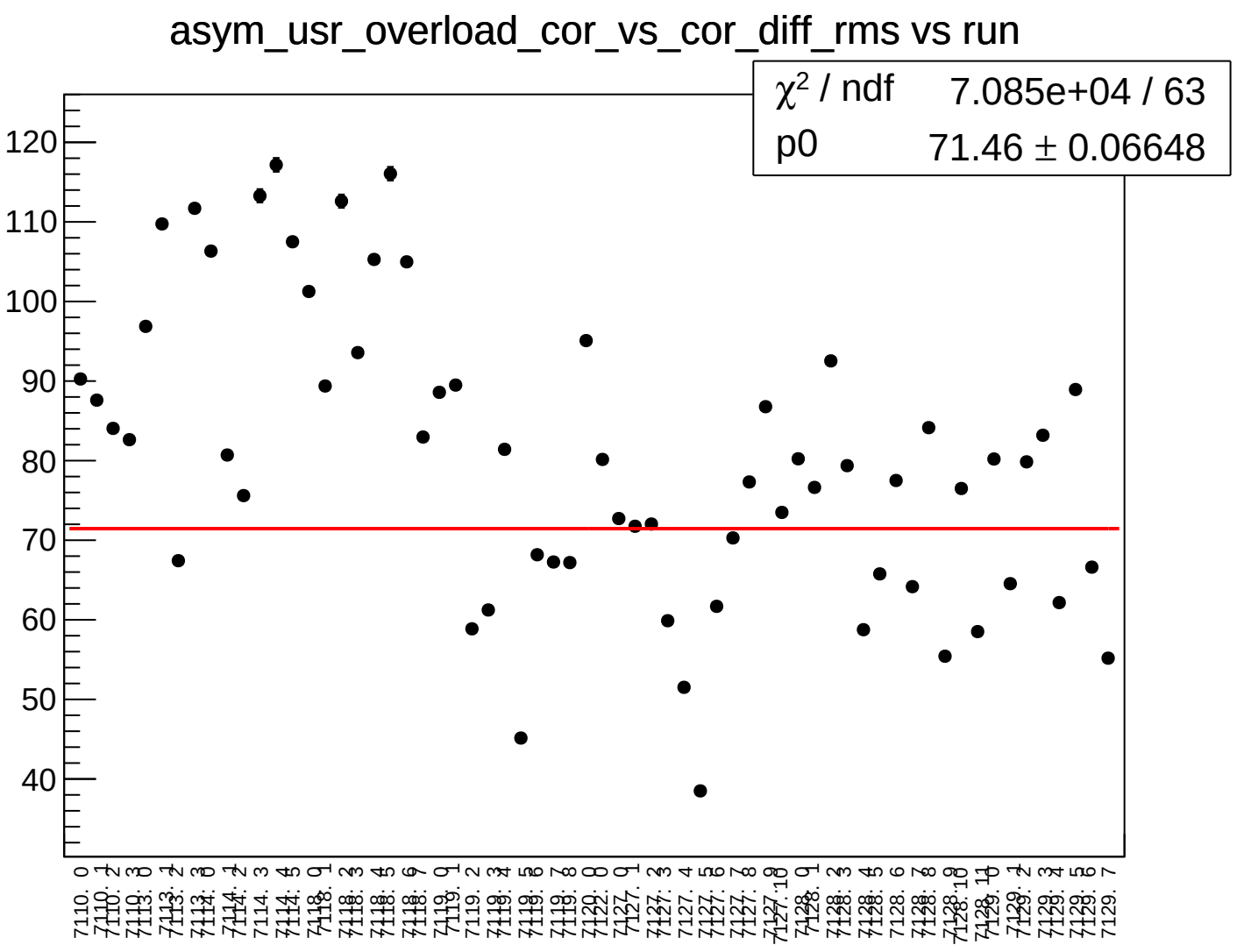

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 9.066e+04 / 63
p0 115.8 ± 0.1087
350
300
250
200
150
100

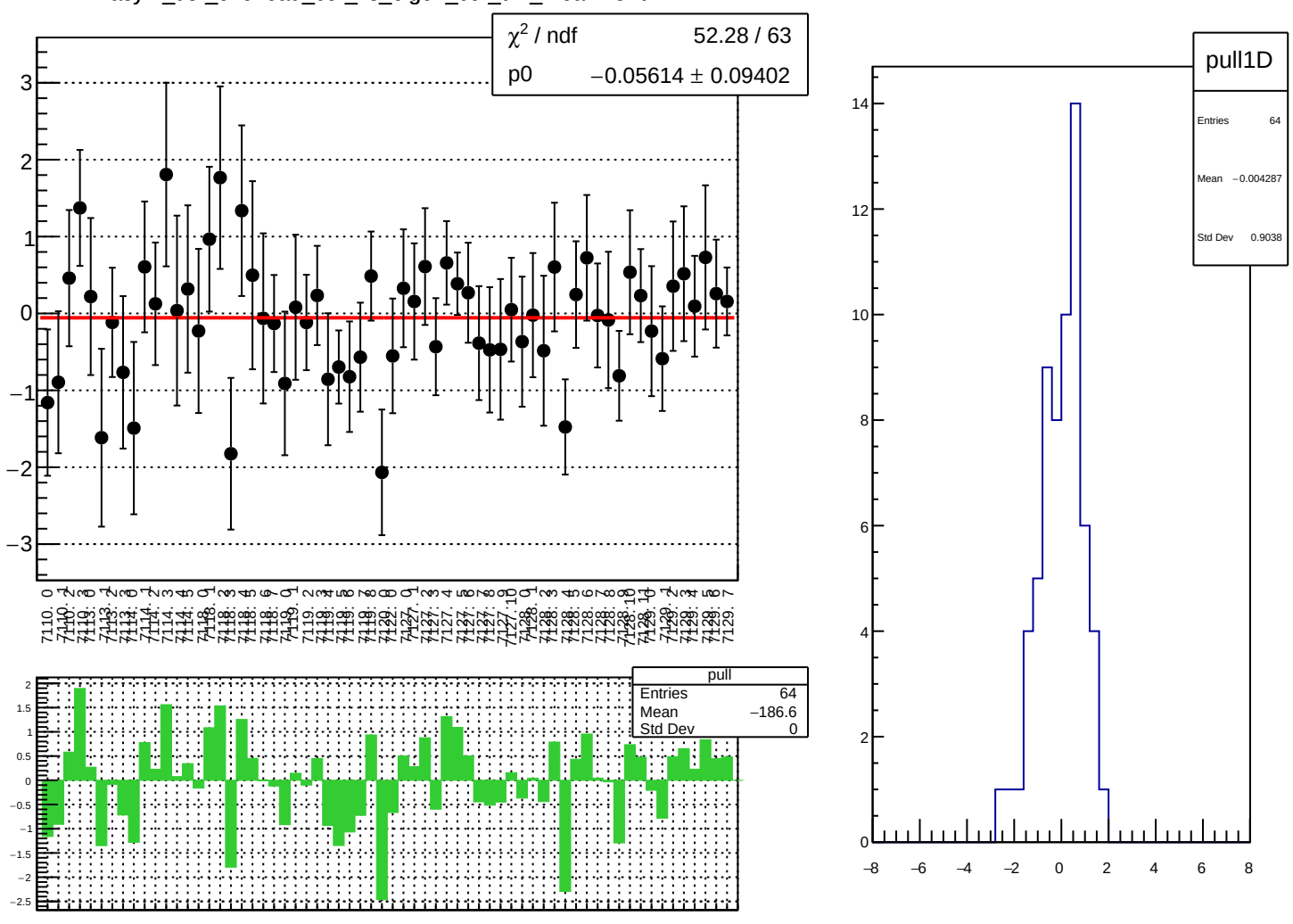

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.81 / 63
p0 −6.611e−14 ± 3.998e−14
pull
Entries 64
Mean −26.53
Std Dev 0
pull1D
Entries 64
Mean −0.08251
Std Dev 0.9217

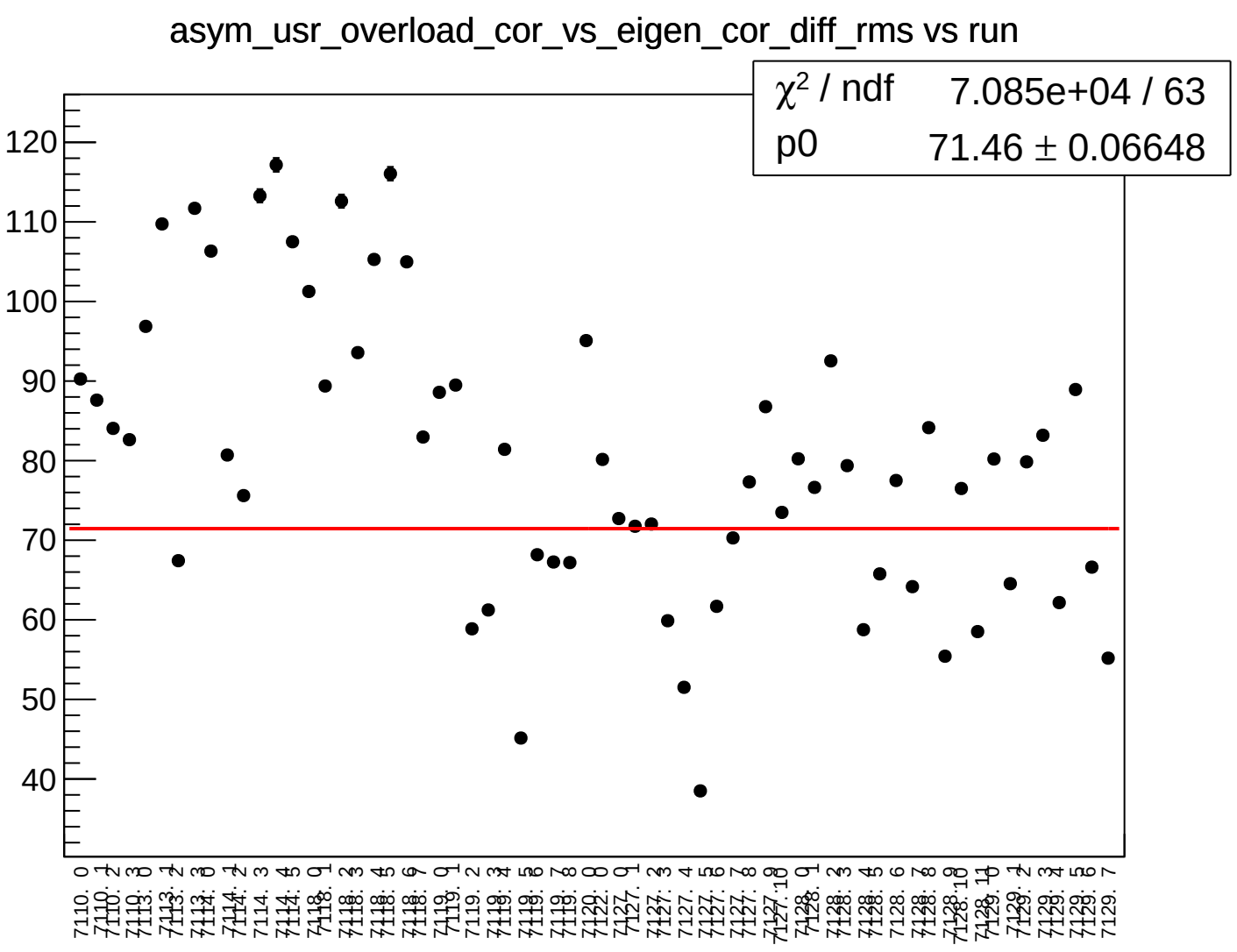

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.003e+05 / 63
p0 2.72e−11 ± 2.827e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

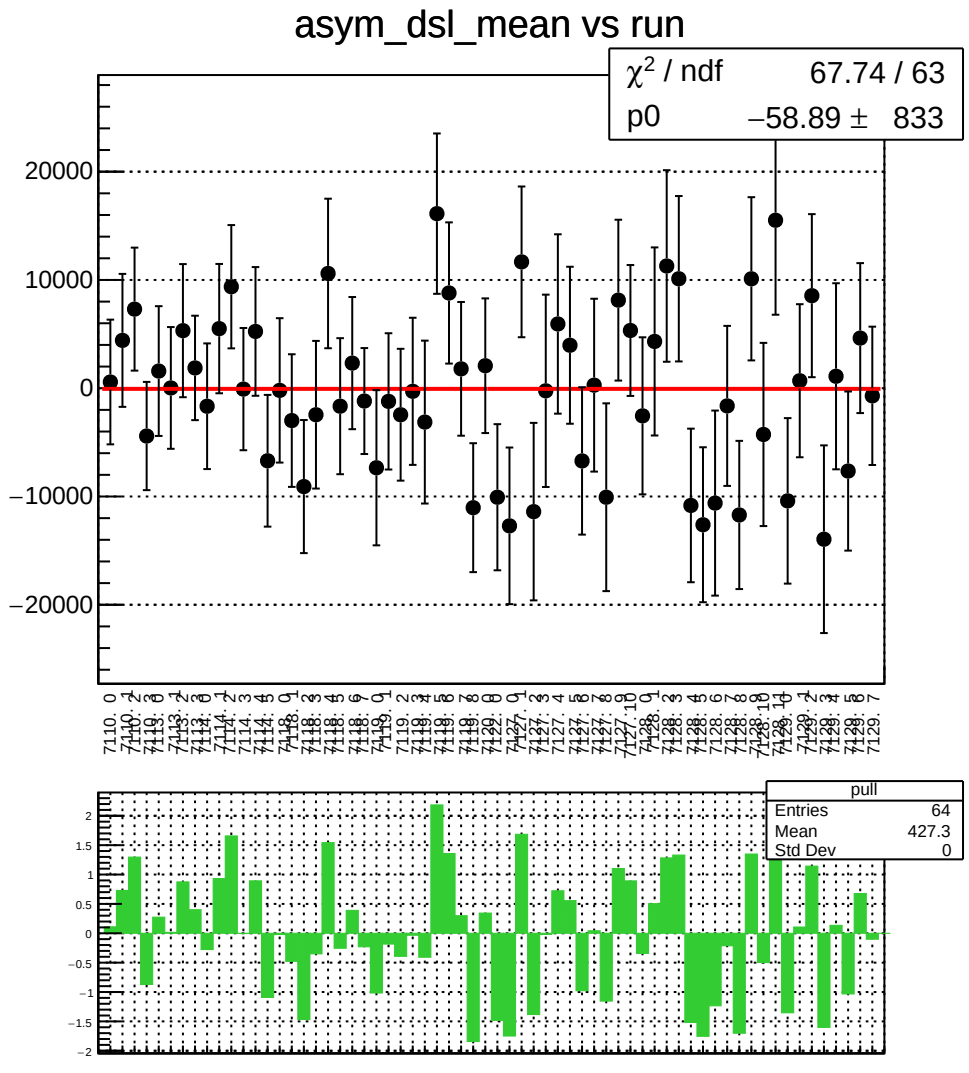

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 52.28 / 63
p0 −0.05614 ± 0.09402
pull
Entries 64
Mean −186.6
Std Dev 0

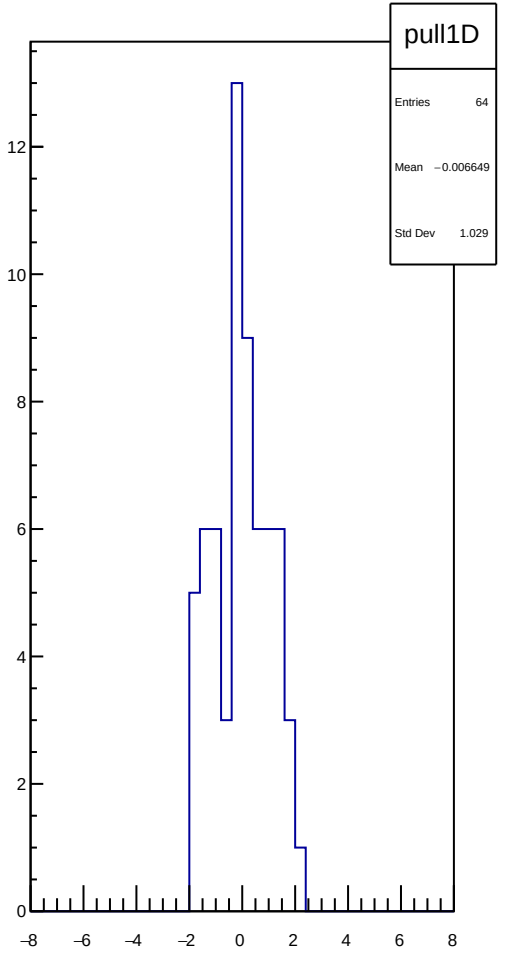

pull1D
Entries 64
Mean −0.004287
Std Dev 0.9038

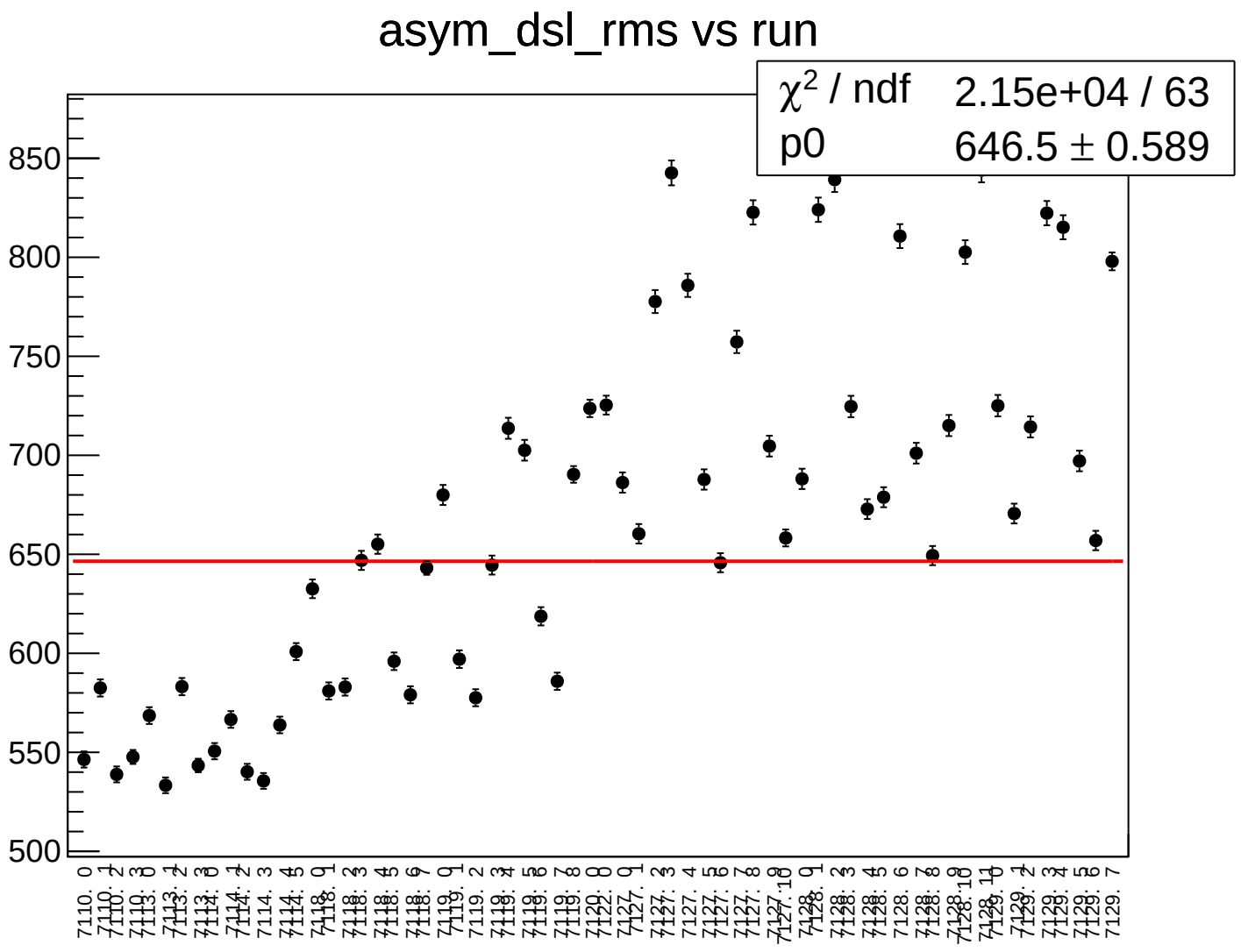

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 7.085e+04 / 63
p0 71.46 ± 0.06648
120
110
100
90
80
70
60
50
40

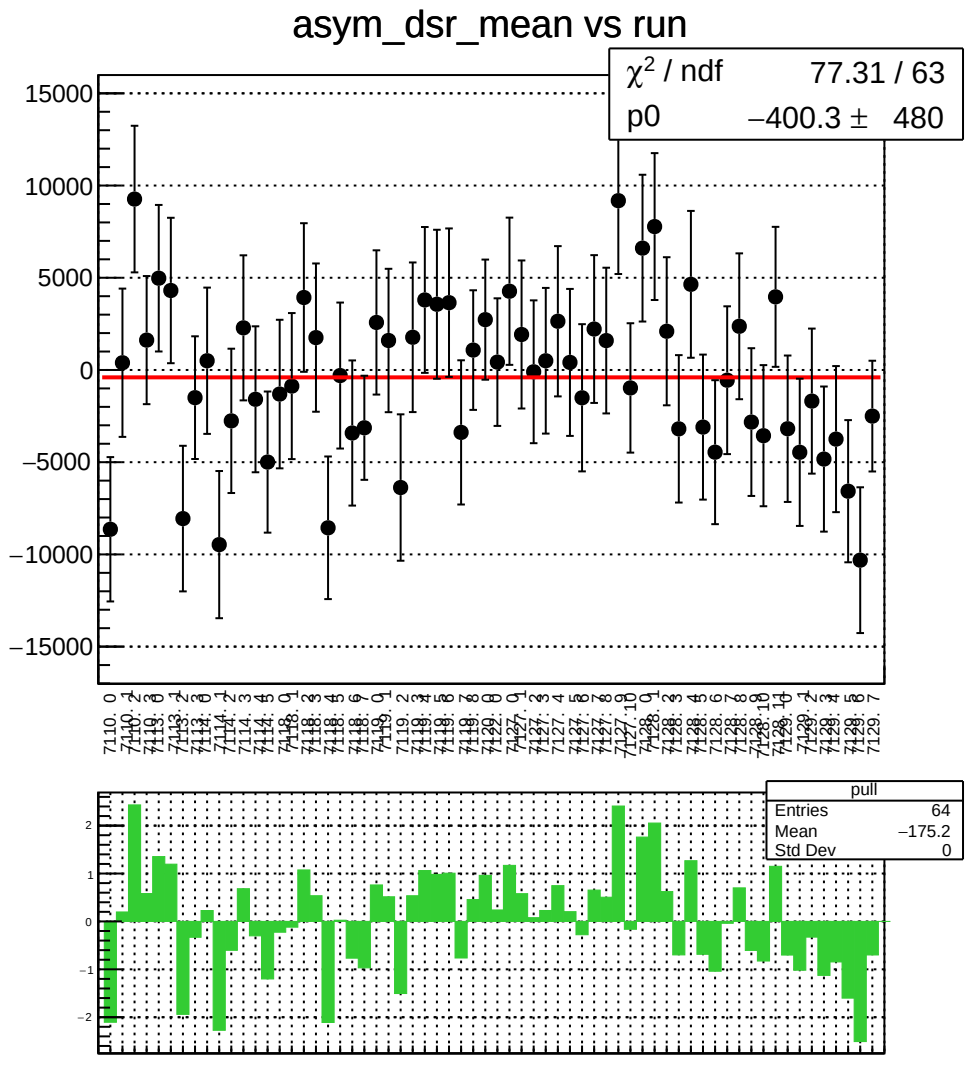

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.28 / 63
p0 −0.05614 ± 0.09402
pull
Entries 64
Mean −186.6
Std Dev 0
pull1D
Entries 64
Mean −0.004287
Std Dev 0.9038

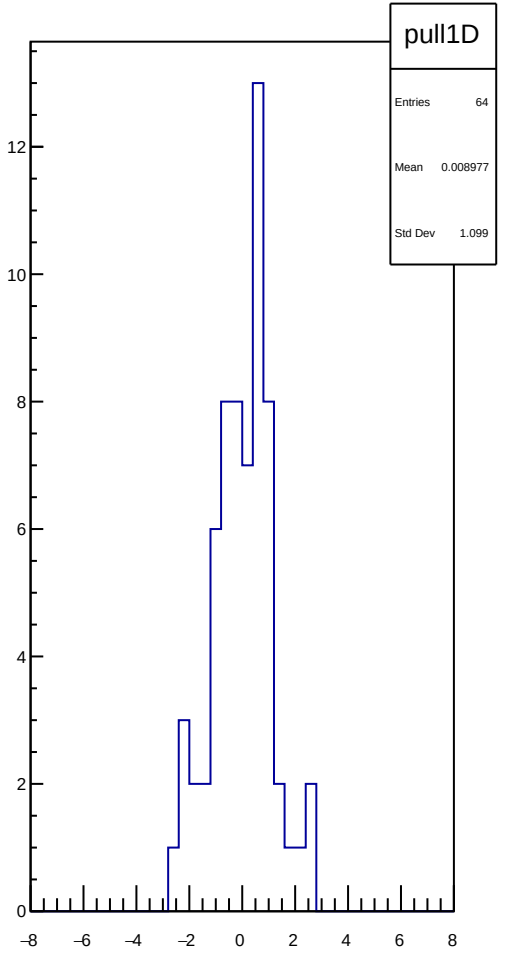

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.085e+04 / 63
p0 71.46 ± 0.06648
120
110
100
90
80
70
60
50
40

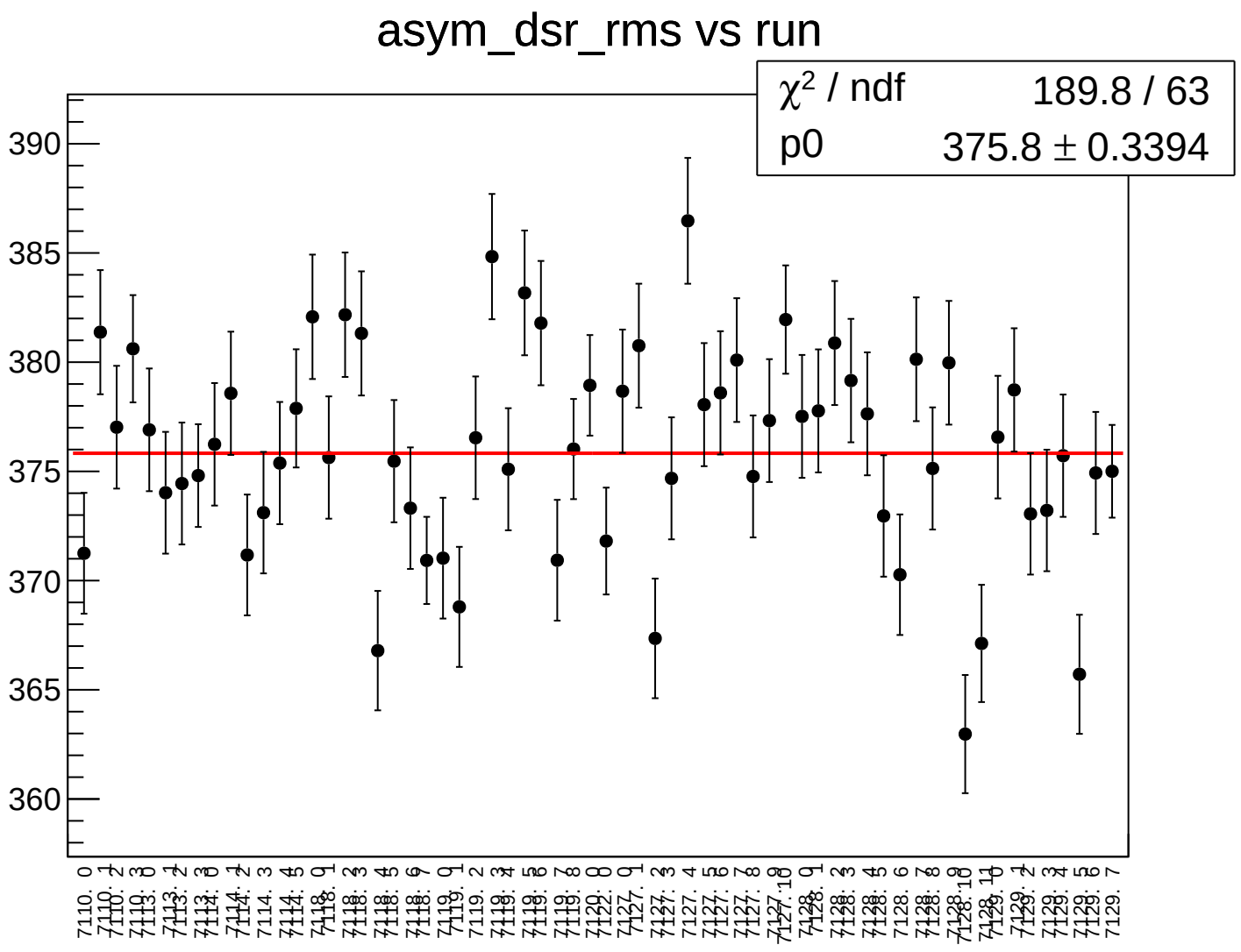

asym_dsl_mean vs run
χ² / ndf 67.74 / 63
p0 −58.89 ± 833
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 427.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

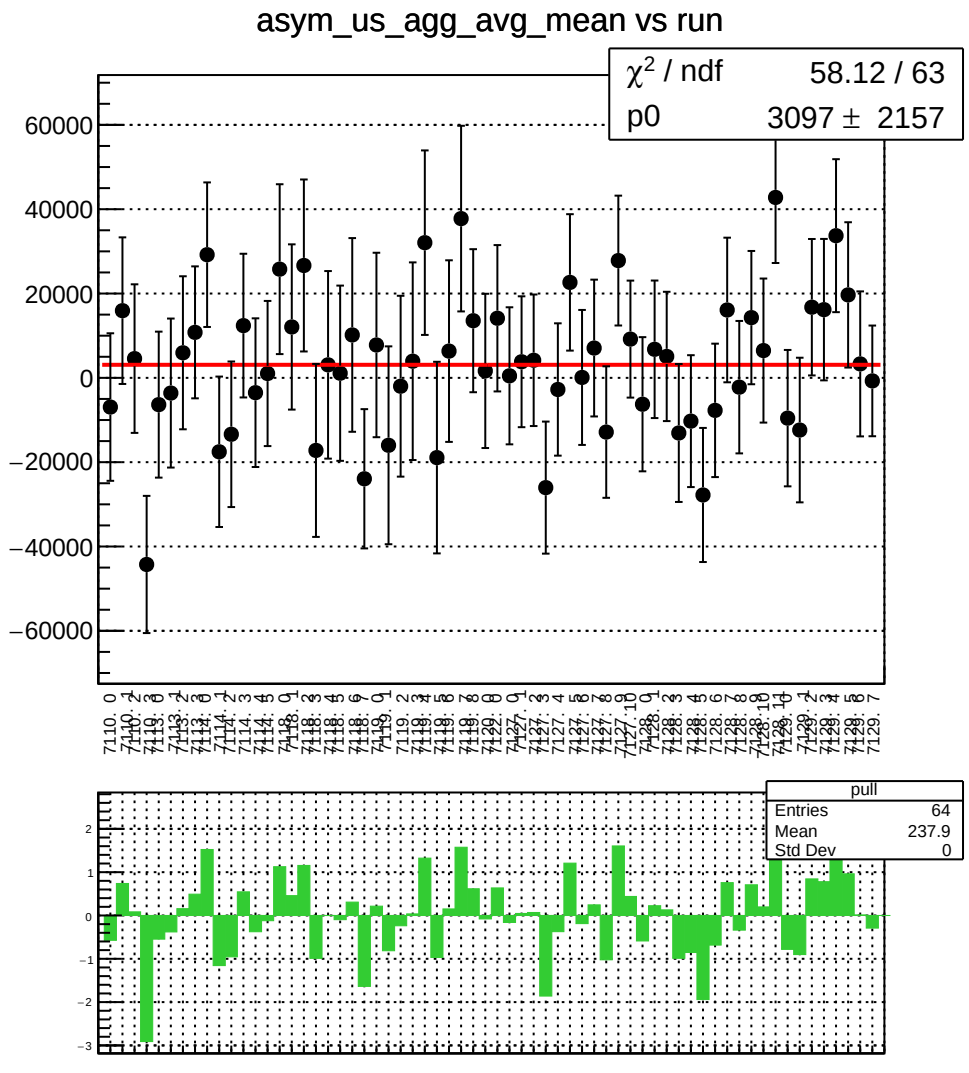

pull1D
Entries 64
Mean −0.006649
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

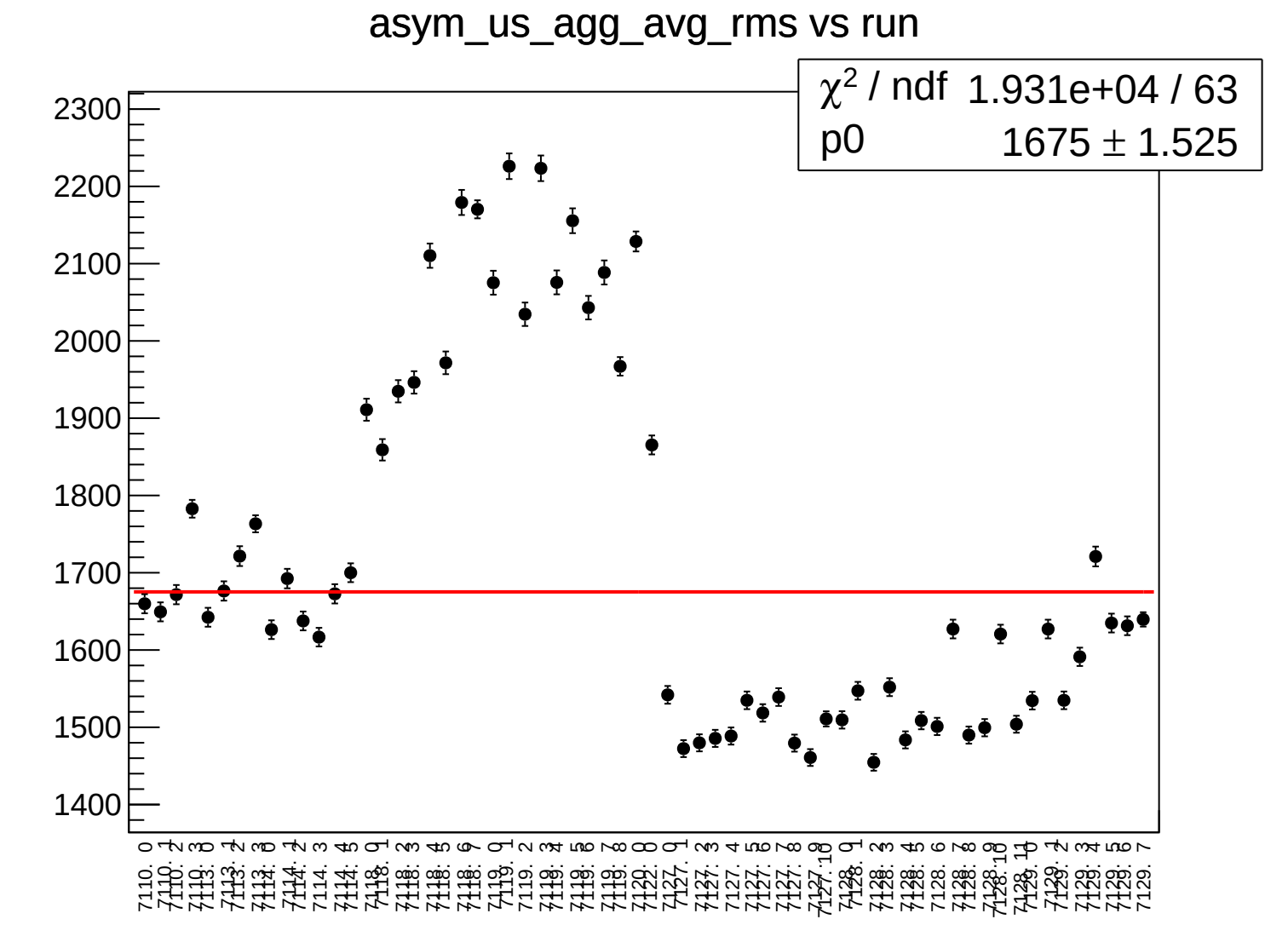

asym_dsl_rms vs run
χ^2 / ndf 2.15e+04 / 63
p0 646.5 ± 0.589
850
800
750
700
650
600
550
500

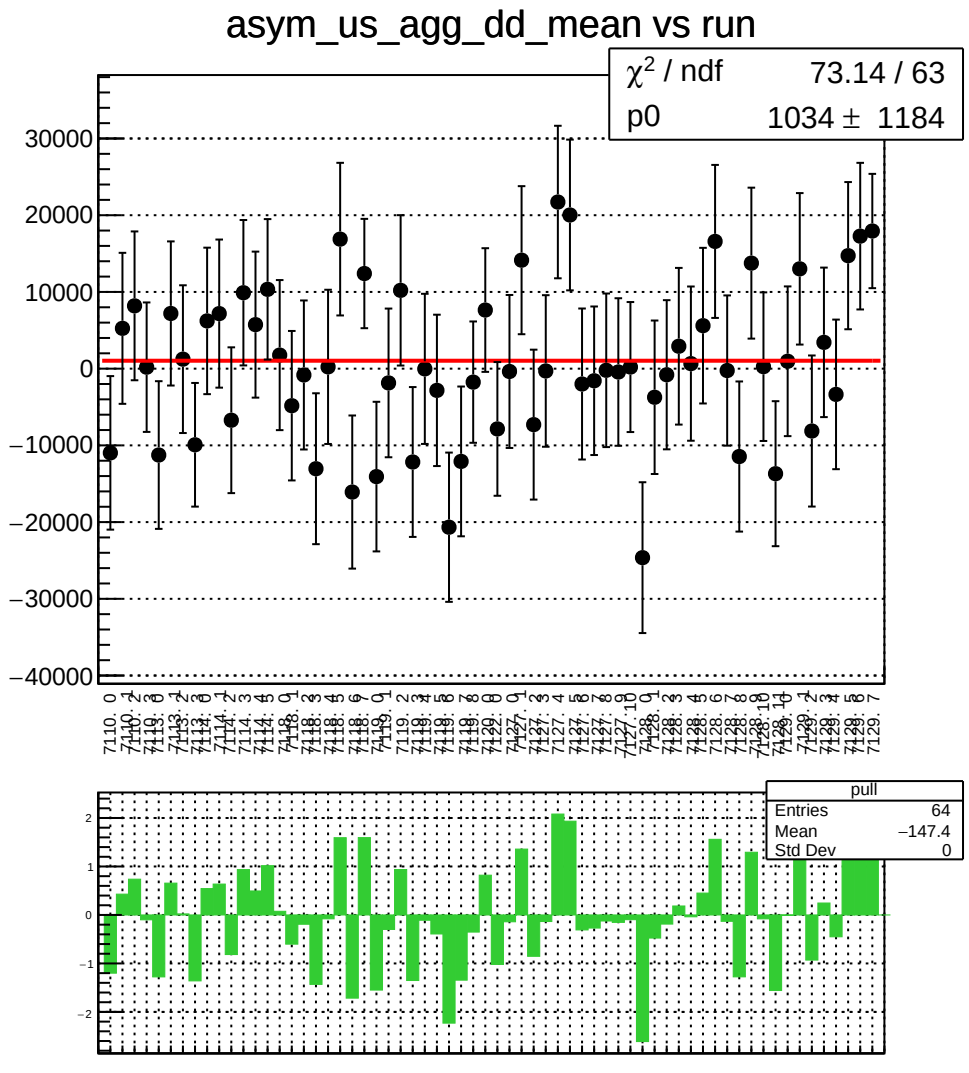

asym_dsr_mean vs run
χ² / ndf 77.31 / 63
p0 −400.3 ± 480
pull
Entries 64
Mean −175.2
Std Dev 0

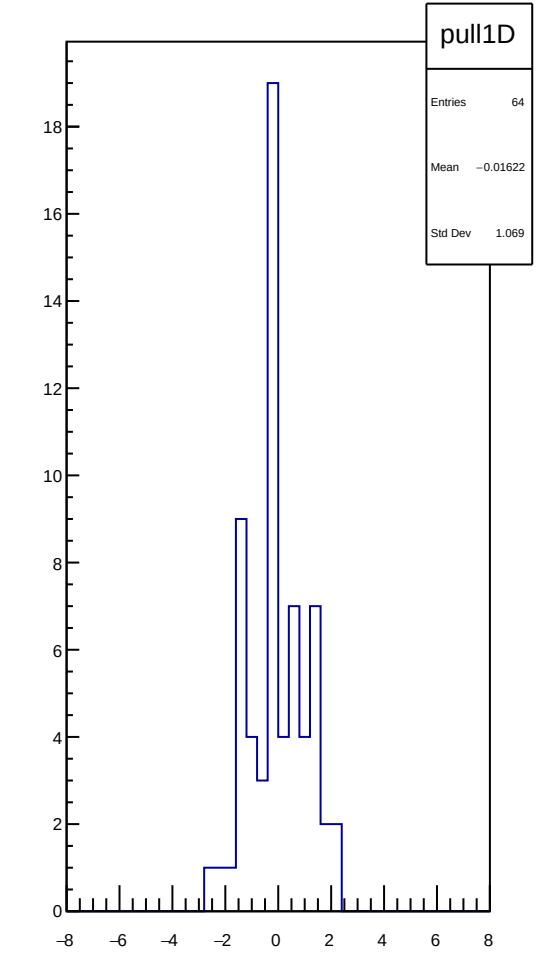

pull1D
Entries 64
Mean 0.008977
Std Dev 1.099

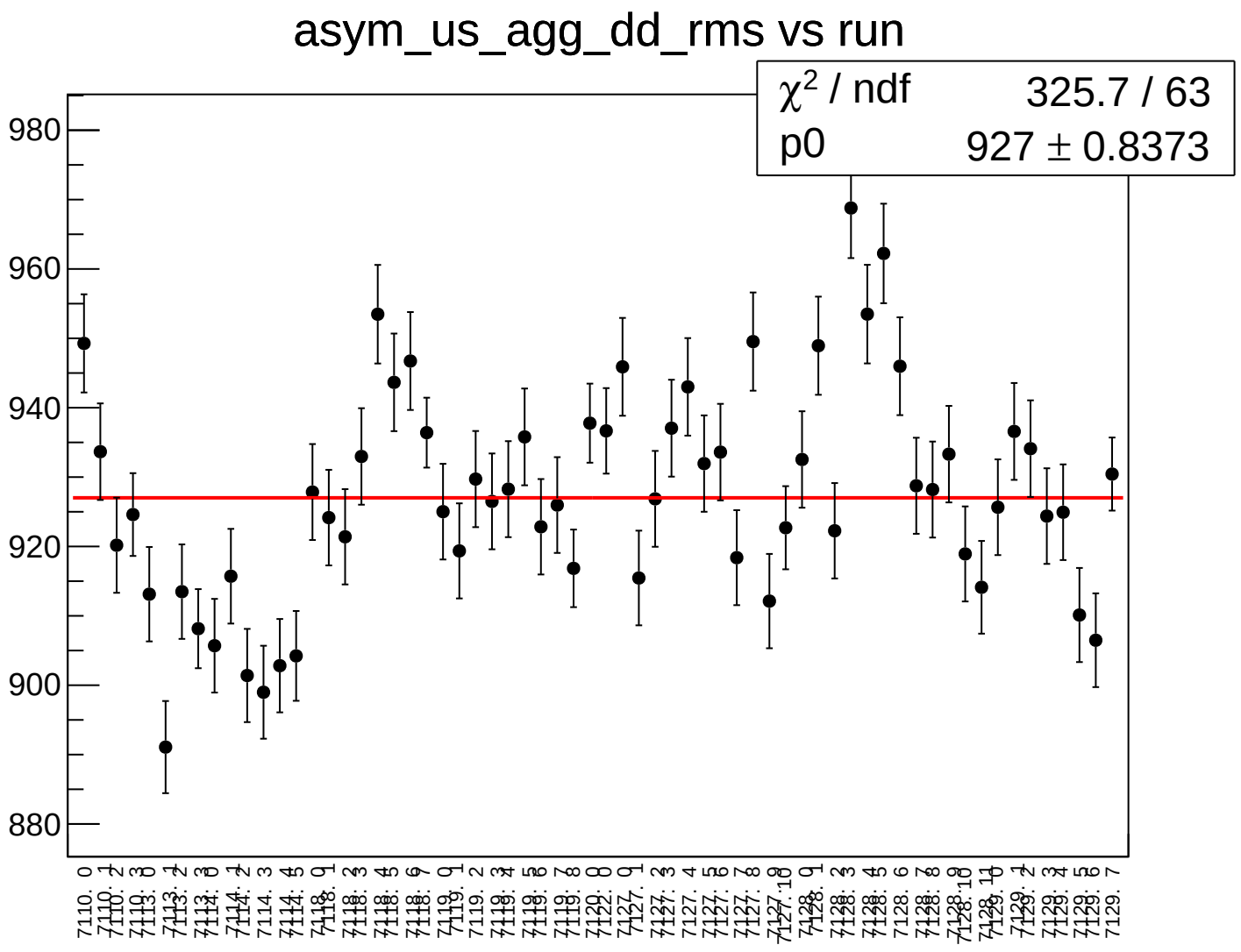

asym_dsr_rms vs run
χ² / ndf 189.8 / 63
p0 375.8 ± 0.3394
390
385
380
375
370
365
360

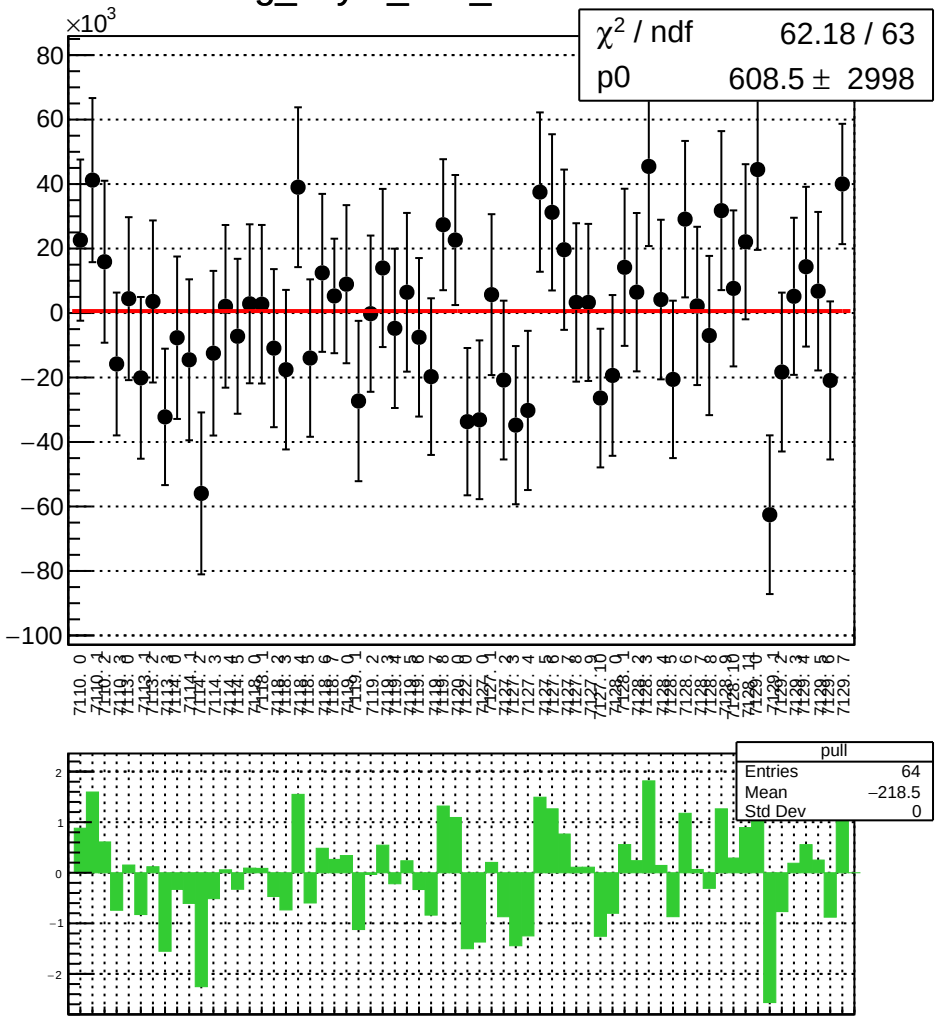

asym_us_agg_avg_mean vs run
χ² / ndf 58.12 / 63
p0 3097 ± 2157
pull
Entries 64
Mean 237.9
Std Dev 0
pull1D
Entries 64
Mean 0.01255
Std Dev 0.9529

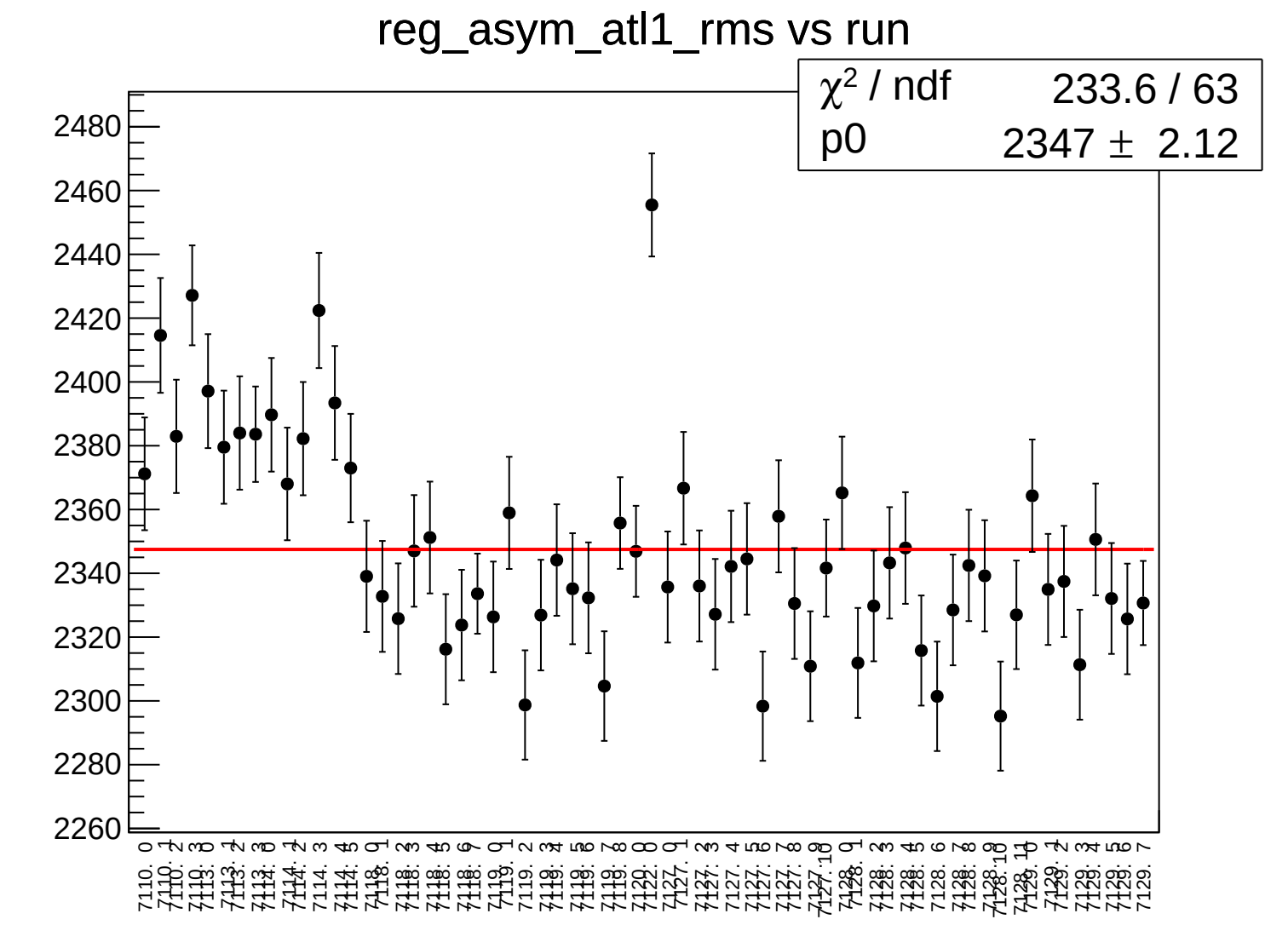

asym_us_agg_avg_rms vs run
χ² / ndf 1.931e+04 / 63
p0 1675 ± 1.525
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

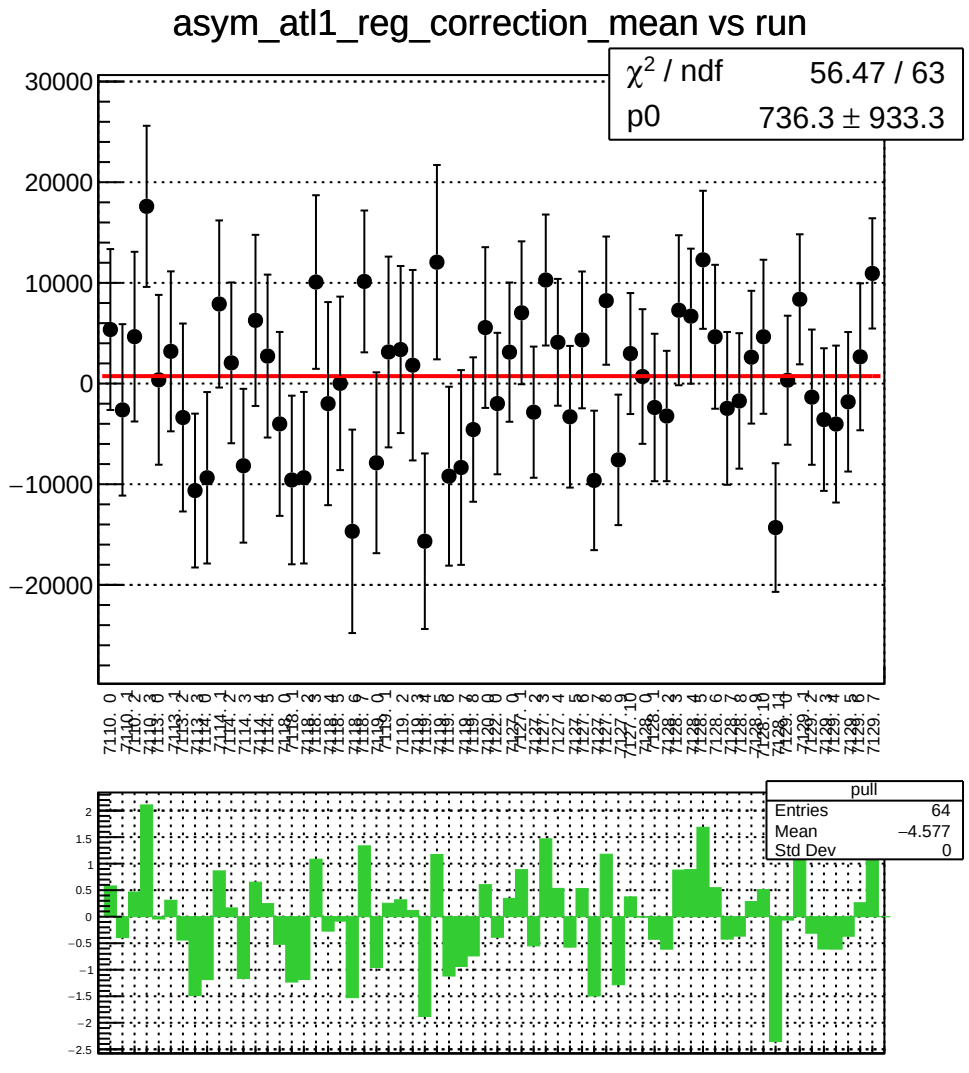

asym_us_agg_dd_mean vs run
χ² / ndf 73.14 / 63
p0 1034 ± 1184
pull
Entries 64
Mean −147.4
Std Dev 0

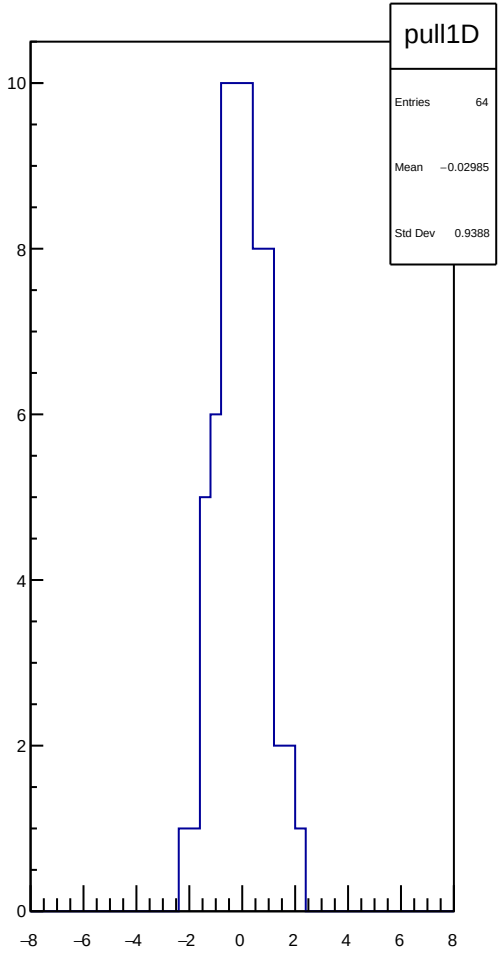

pull1D
Entries 64
Mean −0.01622
Std Dev 1.069

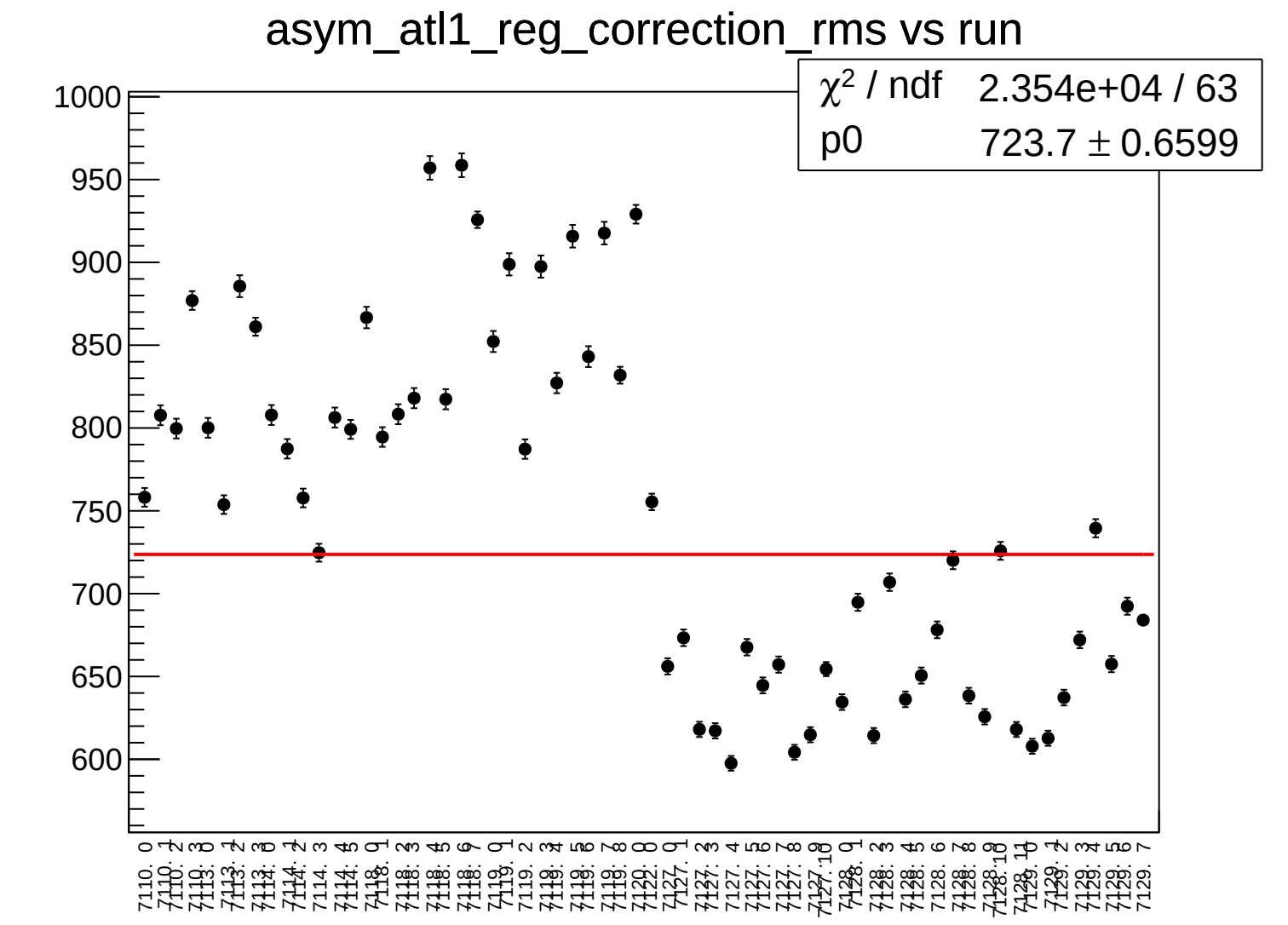

asym_us_agg_dd_rms vs run
χ² / ndf 325.7 / 63
p0 927 ± 0.8373
980
960
940
920
900
880

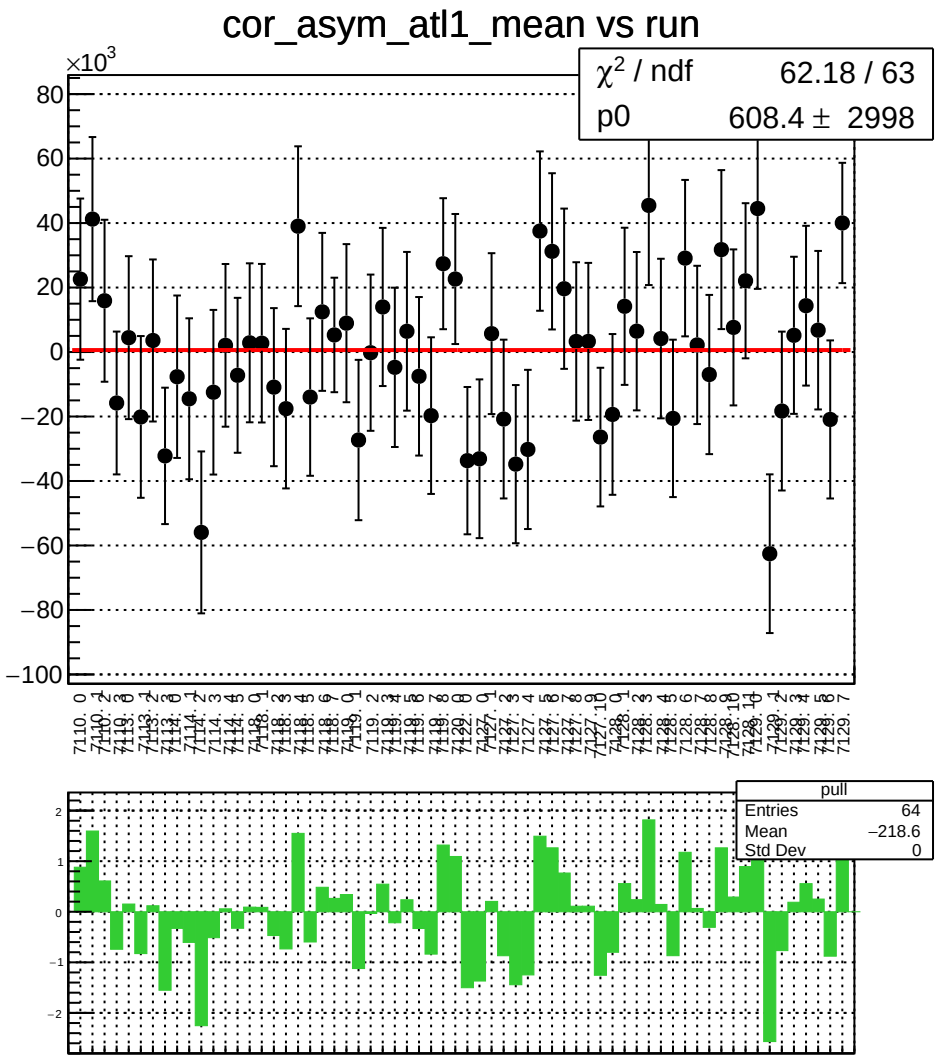

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 62.18 / 63
p0 608.5 ± 2998
pull
Entries 64
Mean −218.5
Std Dev 0
pull1D
Entries 64
Mean −0.01058
Std Dev 0.9856

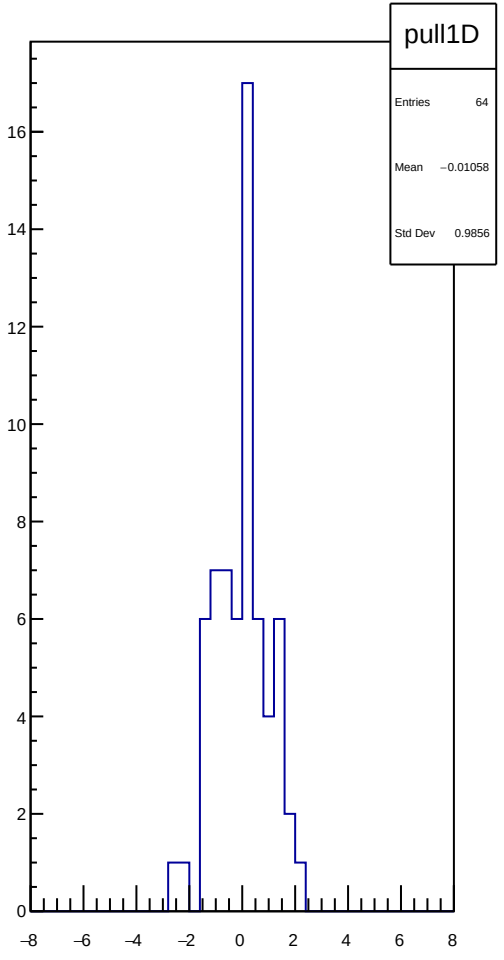

reg_asym_atl1_rms vs run
χ² / ndf 233.6 / 63
p0 2347 ± 2.12
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

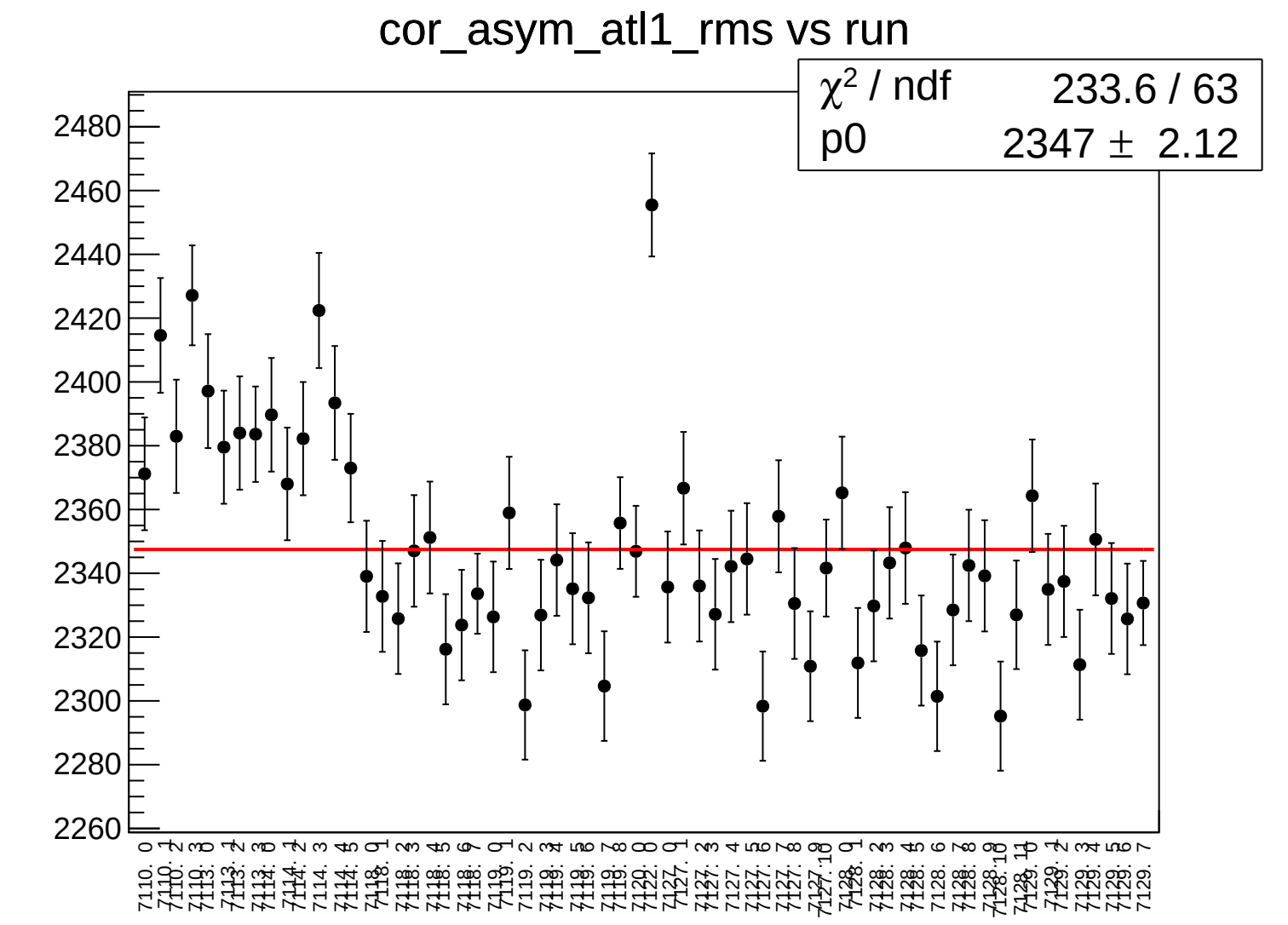

asym_atl1_reg_correction_mean vs run
χ² / ndf 56.47 / 63
p0 736.3 ± 933.3
pull
Entries 64
Mean −4.577
Std Dev 0

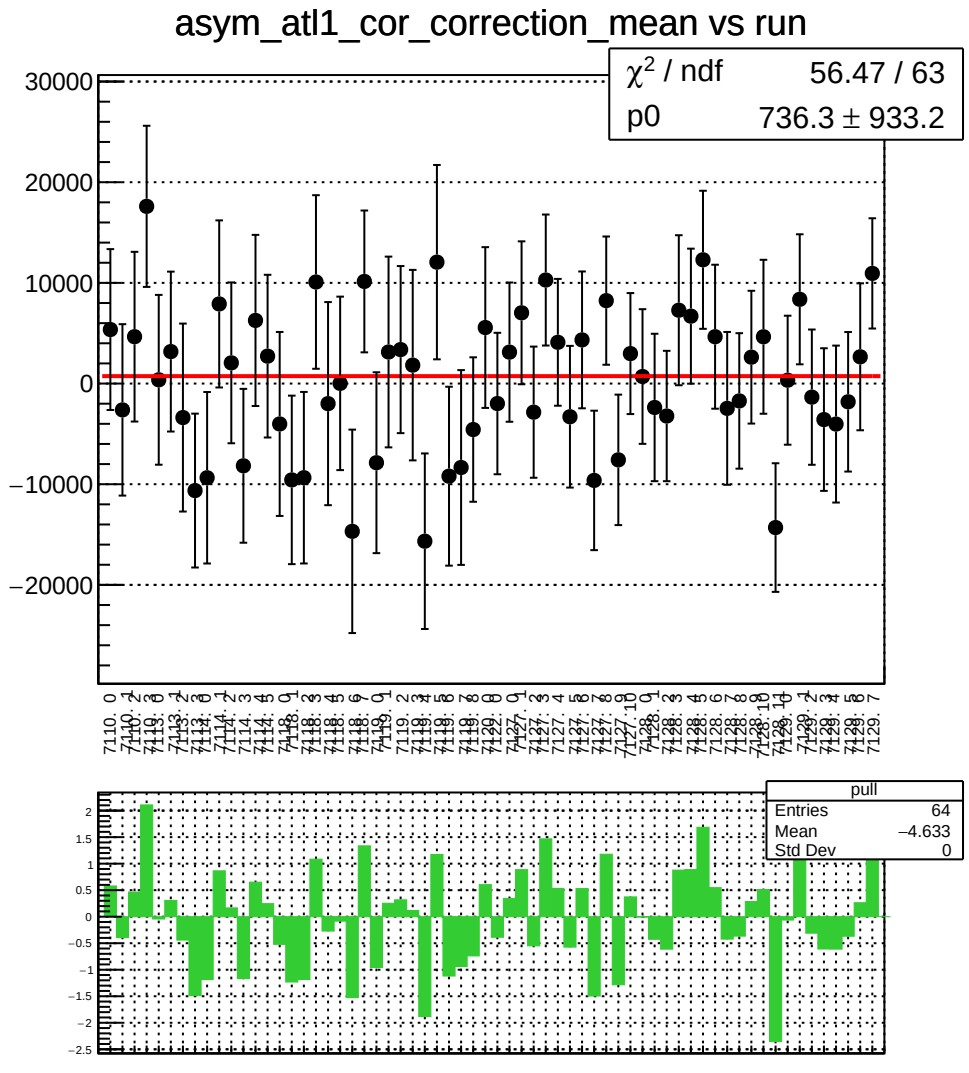

pull1D
Entries 64
Mean −0.02985
Std Dev 0.9388

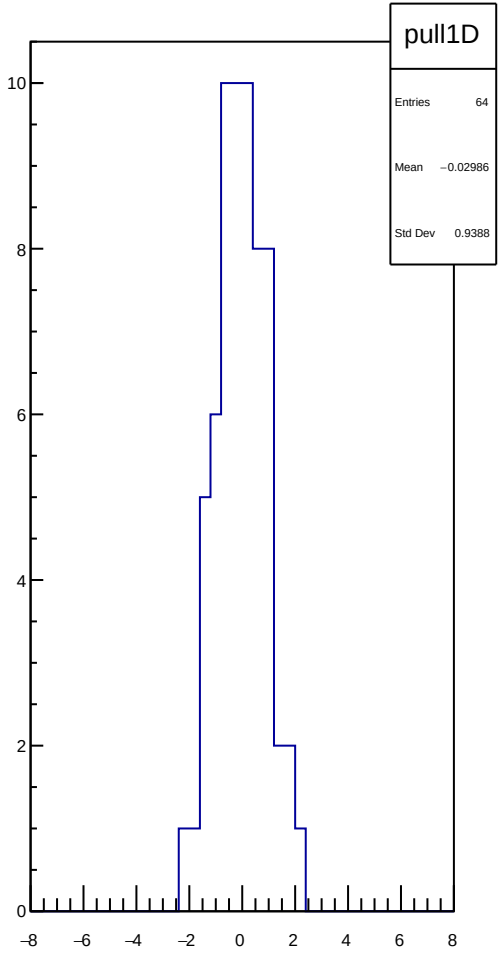

asym_atl1_reg_correction_rms vs run
χ² / ndf 2.354e+04 / 63
p0 723.7 ± 0.6599
1000
950
900
850
800
750
700
650
600

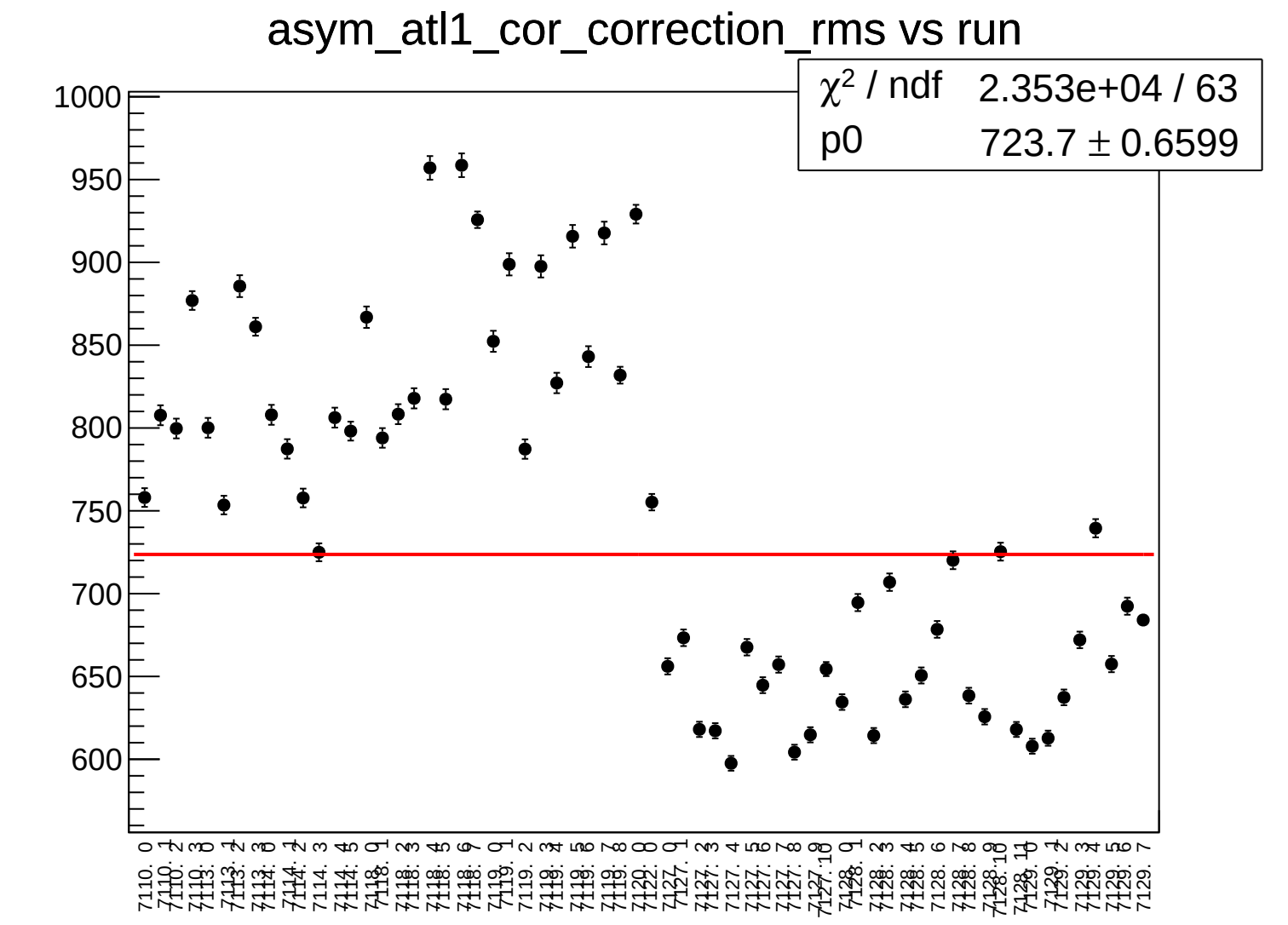

cor_asym_atl1_mean vs run
χ² / ndf 62.18 / 63
p0 608.4 ± 2998
×10³
pull
Entries 64
Mean −218.6
Std Dev 0

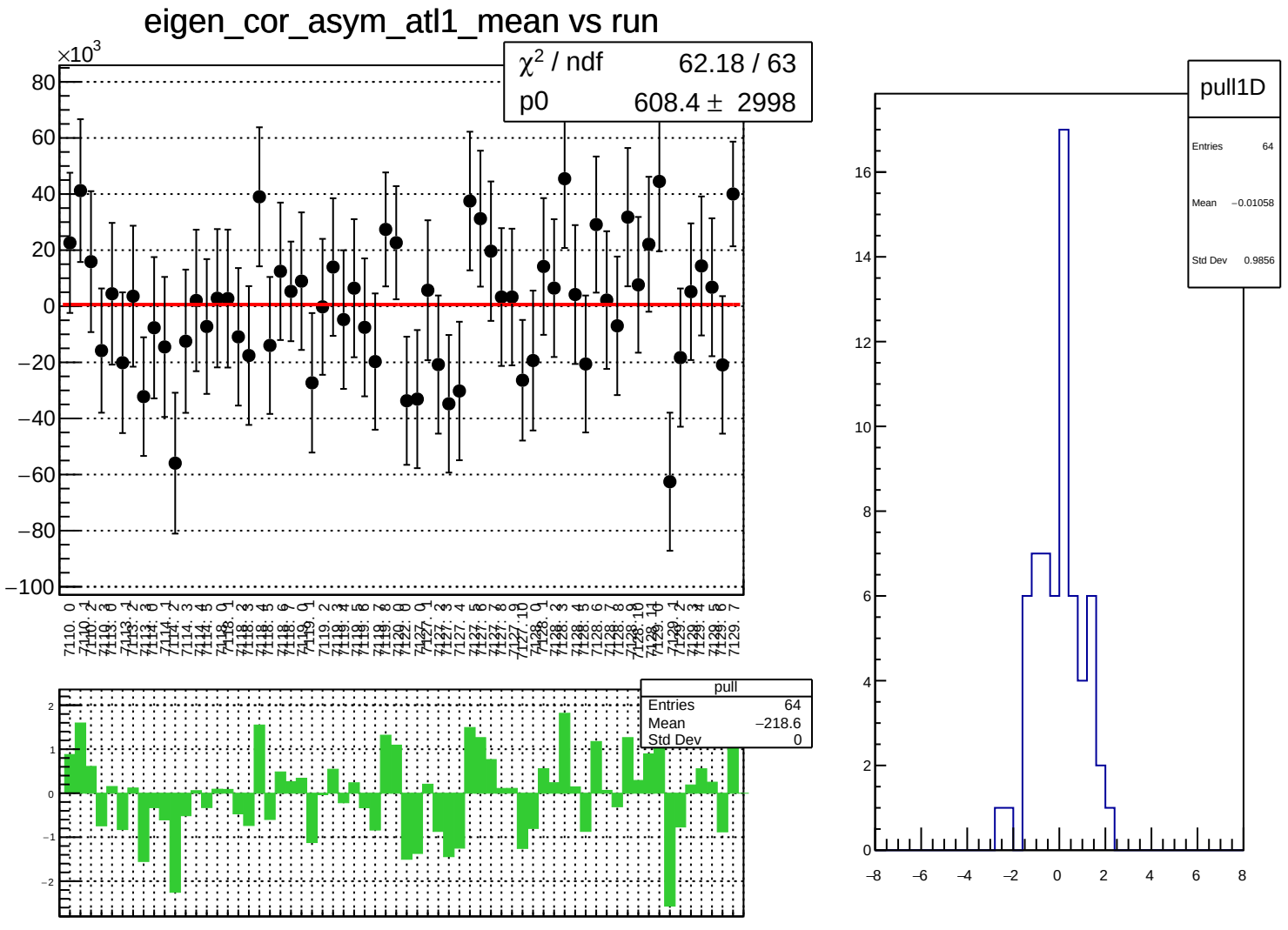

pull1D
Entries 64
Mean −0.01058
Std Dev 0.9856

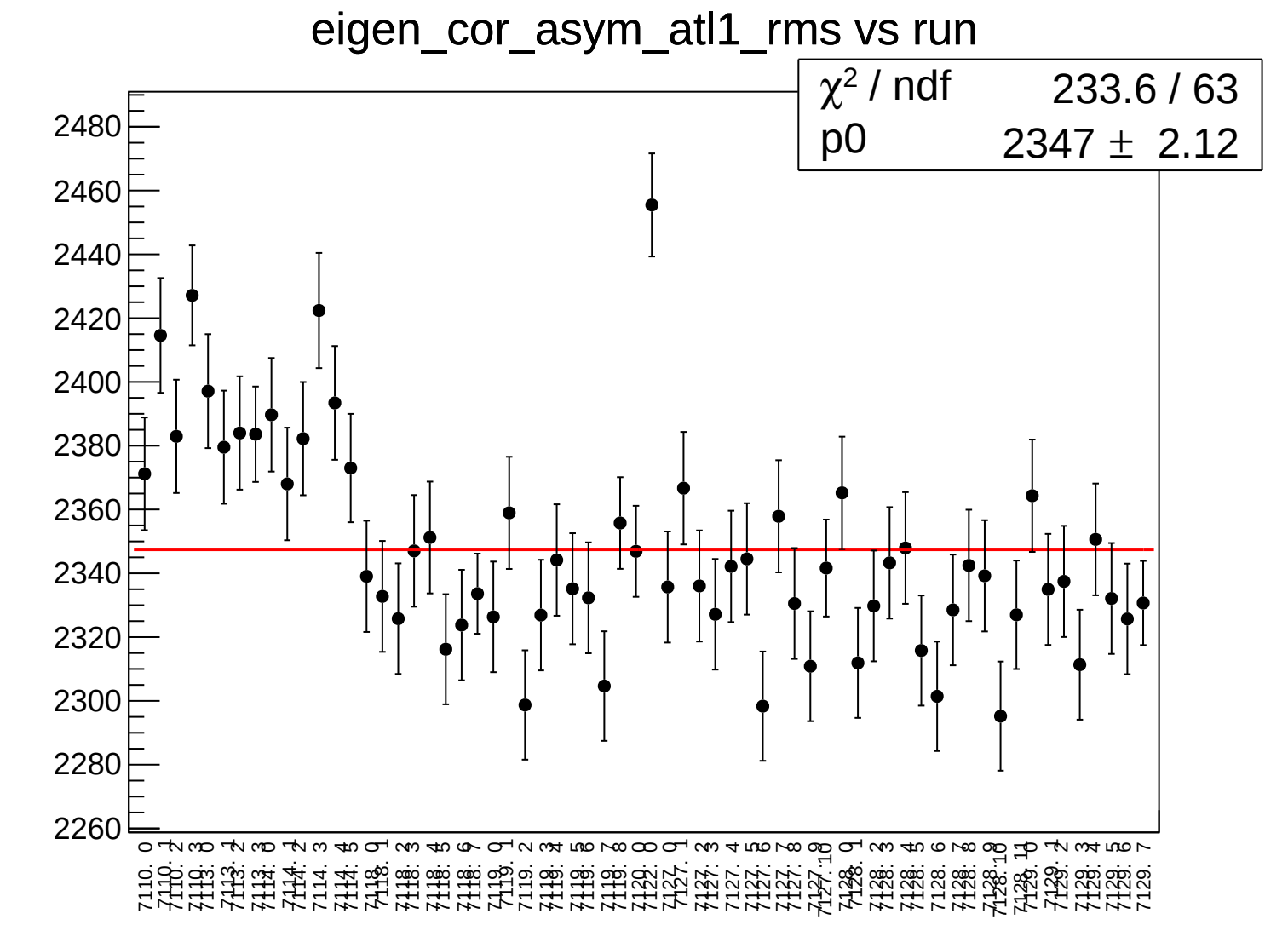

cor_asym_atl1_rms vs run
χ² / ndf 233.6 / 63
p0 2347 ± 2.12
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

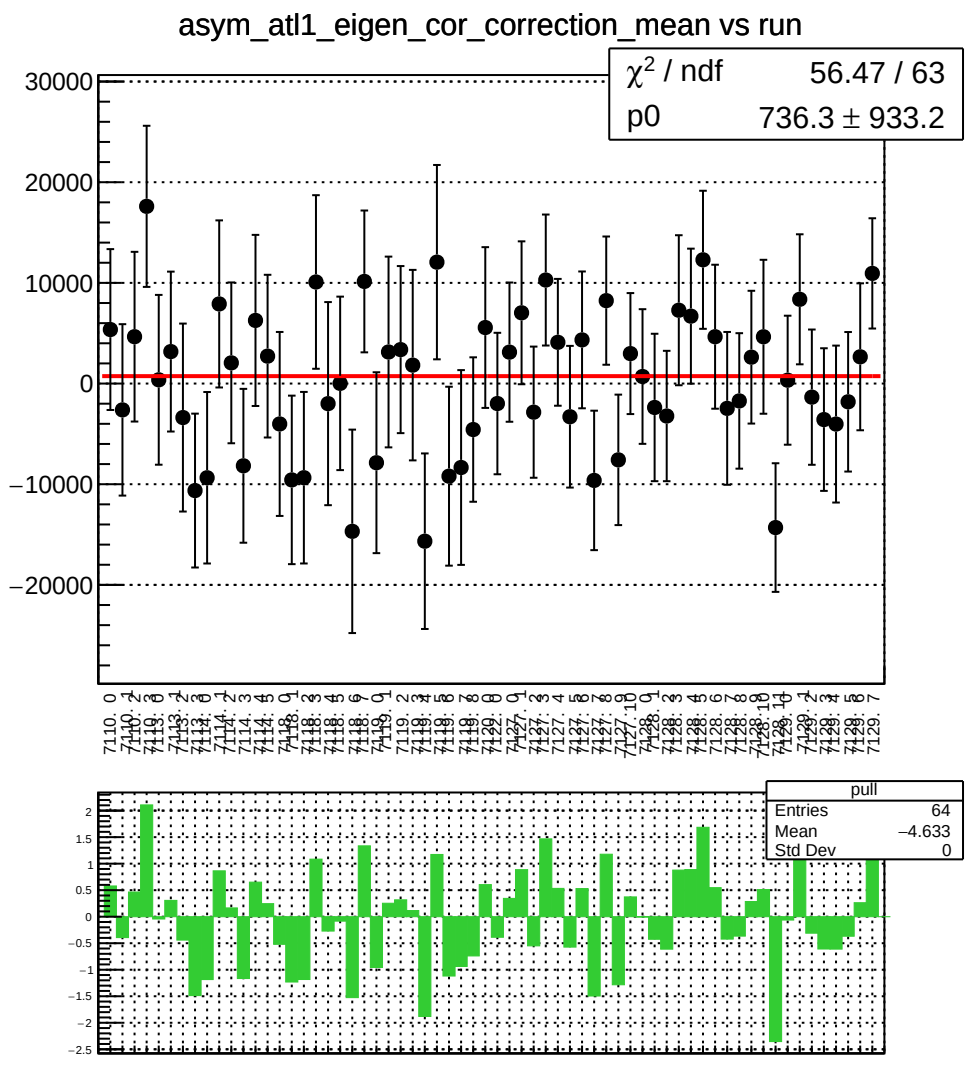

asym_atl1_cor_correction_mean vs run
χ² / ndf 56.47 / 63
p0 736.3 ± 933.2
pull
Entries 64
Mean −4.633
Std Dev 0

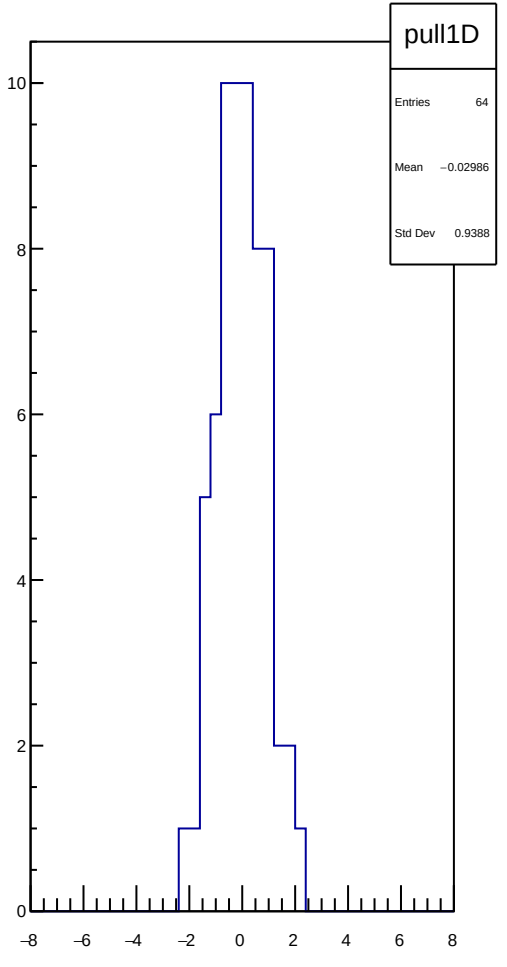

pull1D
Entries 64
Mean −0.02986
Std Dev 0.9388

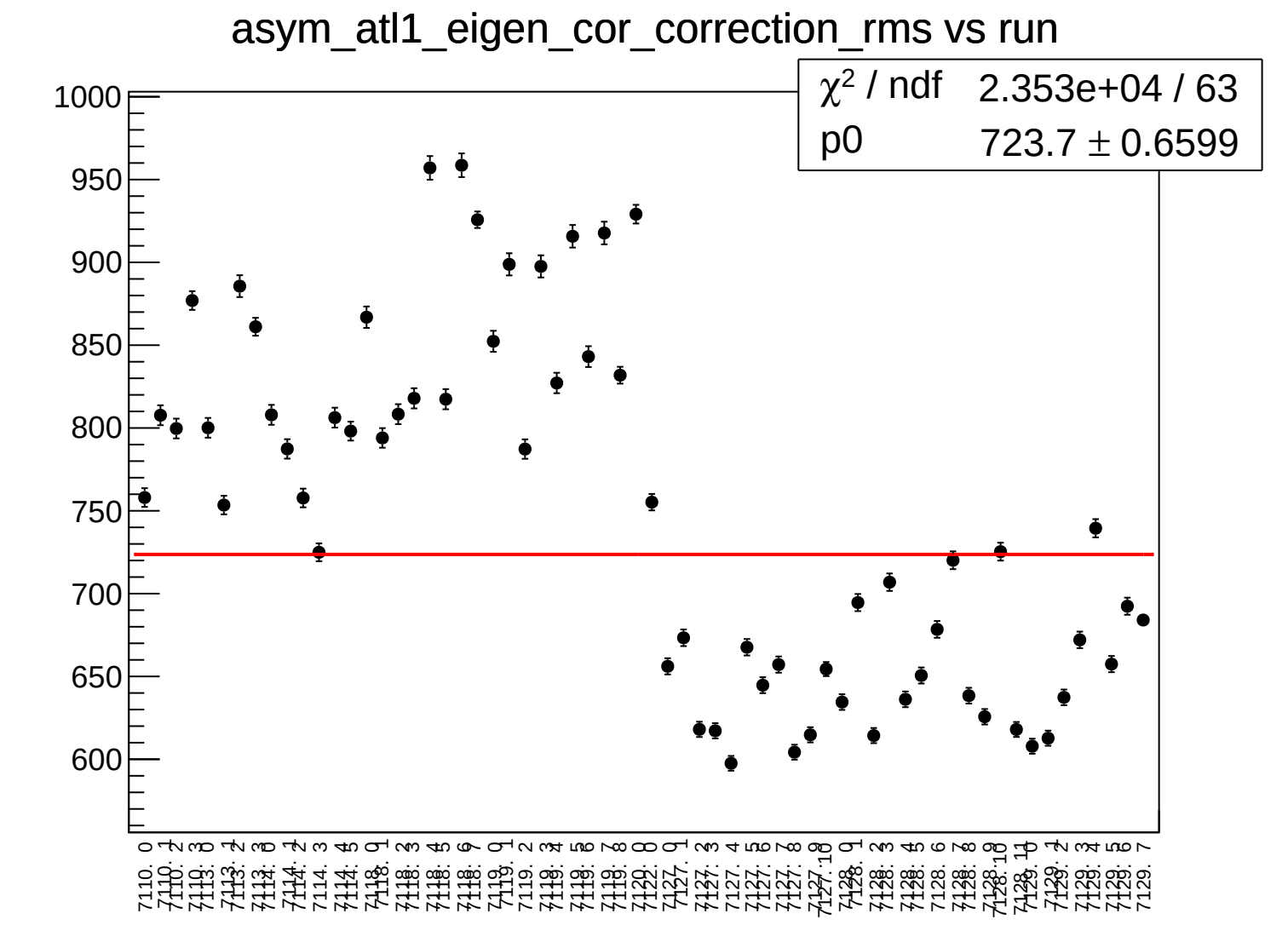

asym_atl1_cor_correction_rms vs run
χ² / ndf 2.353e+04 / 63
p0 723.7 ± 0.6599
1000
950
900
850
800
750
700
650
600

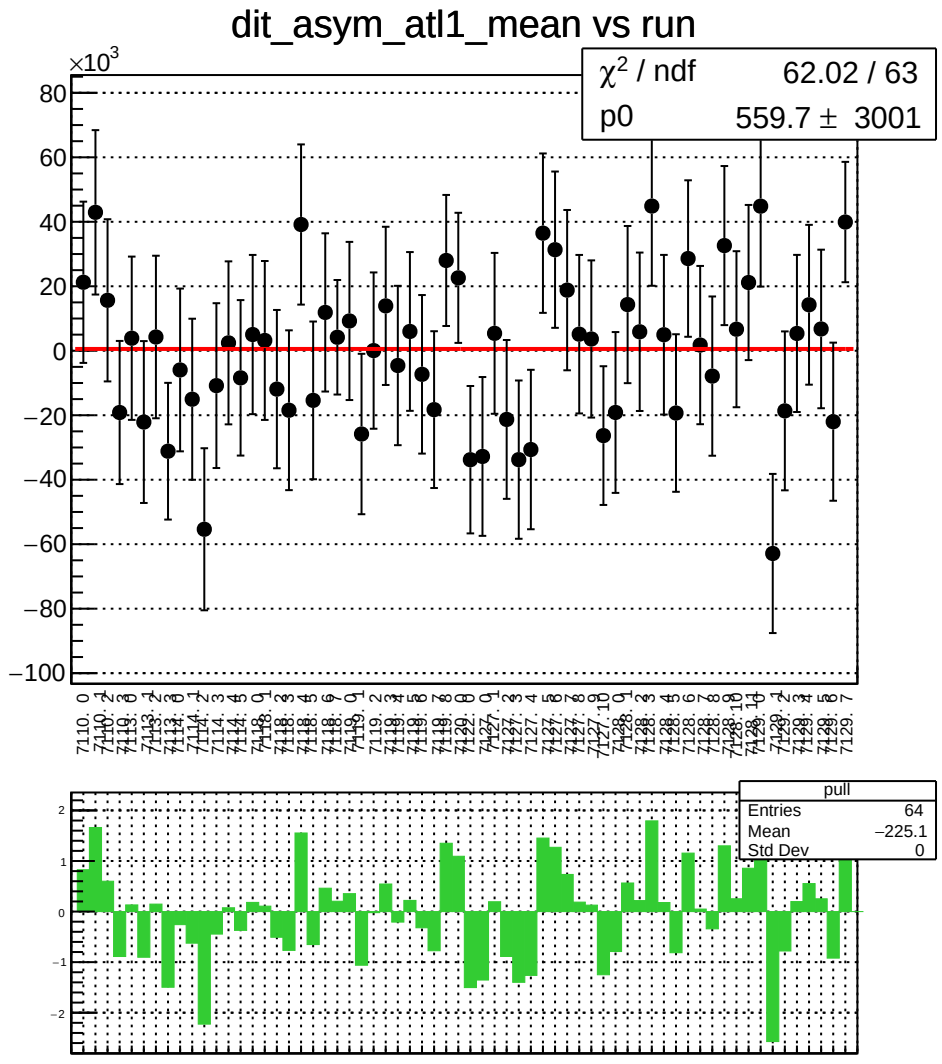

eigen_cor_asym_atl1_mean vs run
×10^3
χ² / ndf 62.18 / 63
p0 608.4 ± 2998
pull
Entries 64
Mean −218.6
Std Dev 0
pull1D
Entries 64
Mean −0.01058
Std Dev 0.9856

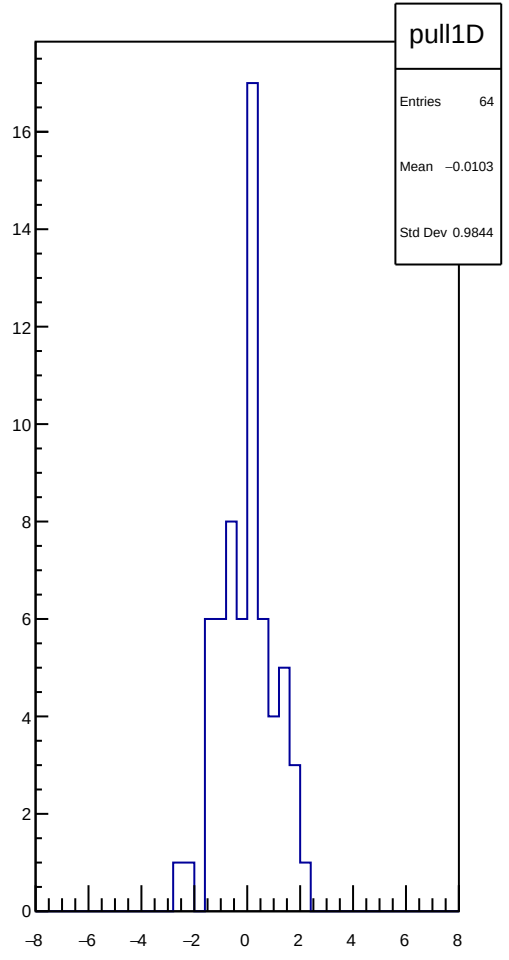

eigen_cor_asym_atl1_rms vs run
χ² / ndf 233.6 / 63
p0 2347 ± 2.12
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

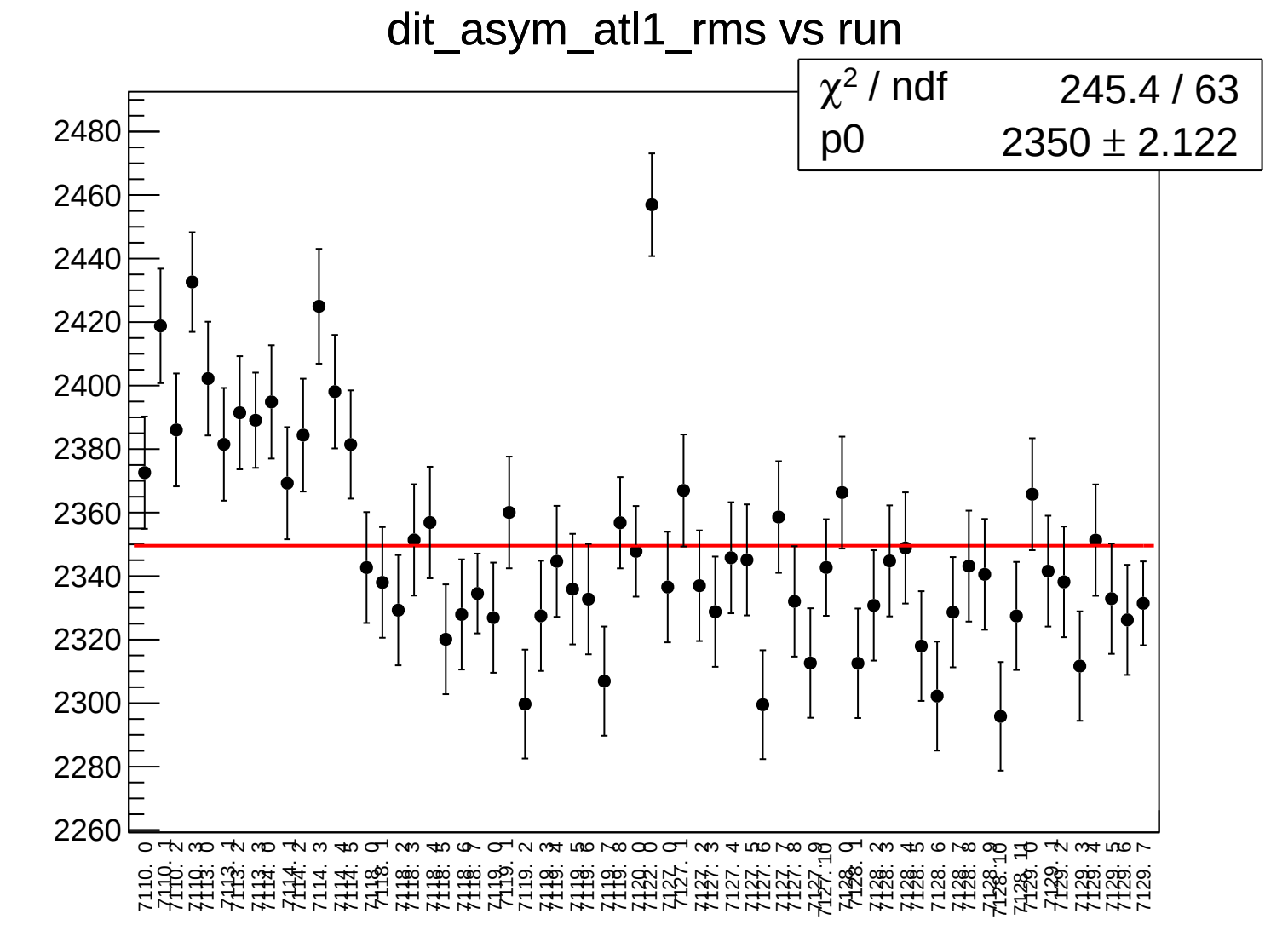

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 56.47 / 63
p0 736.3 ± 933.2
30000
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −4.633
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

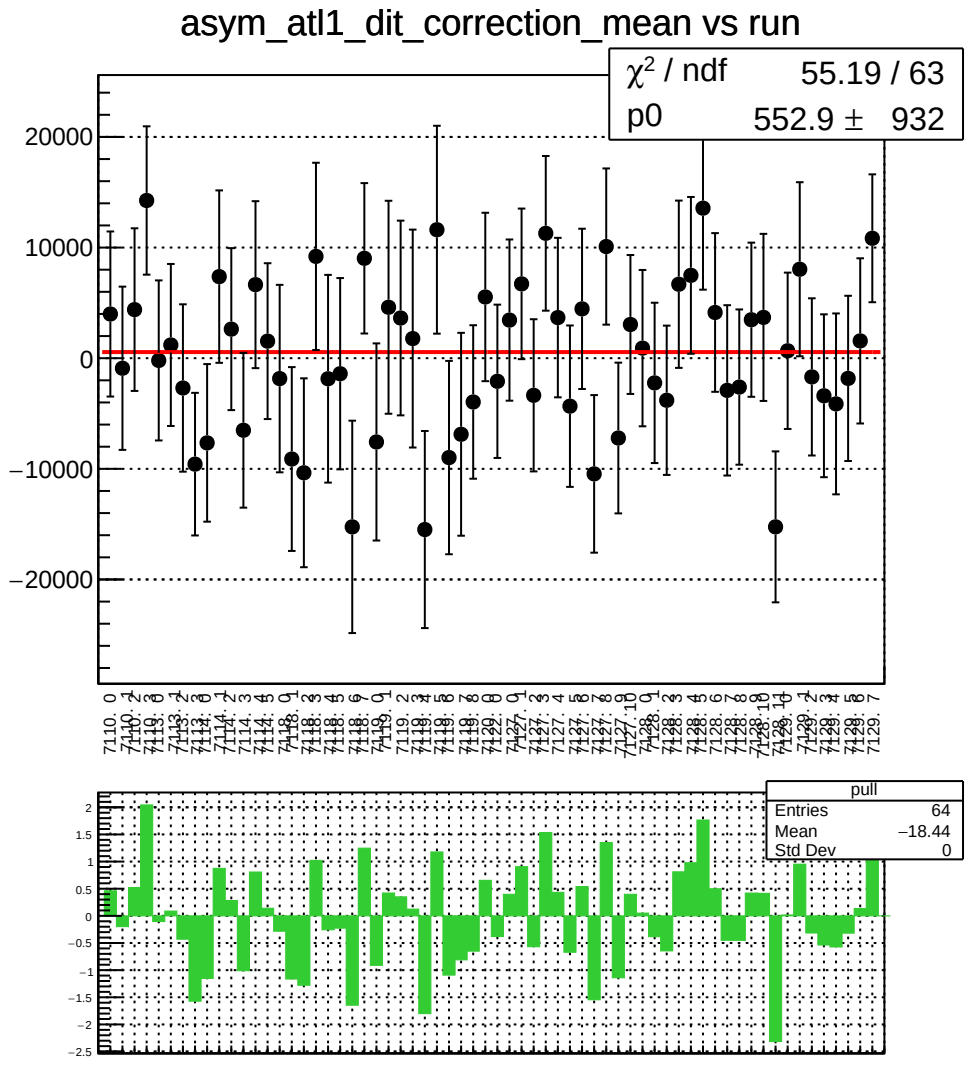

pull1D
Entries 64
Mean −0.02986
Std Dev 0.9388
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

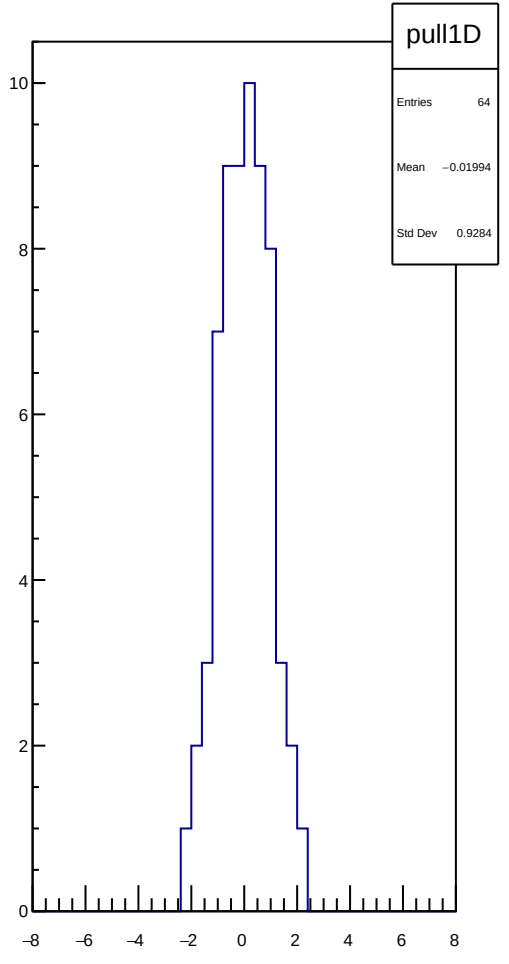

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 2.353e+04 / 63
p0 723.7 ± 0.6599
1000
950
900
850
800
750
700
650
600

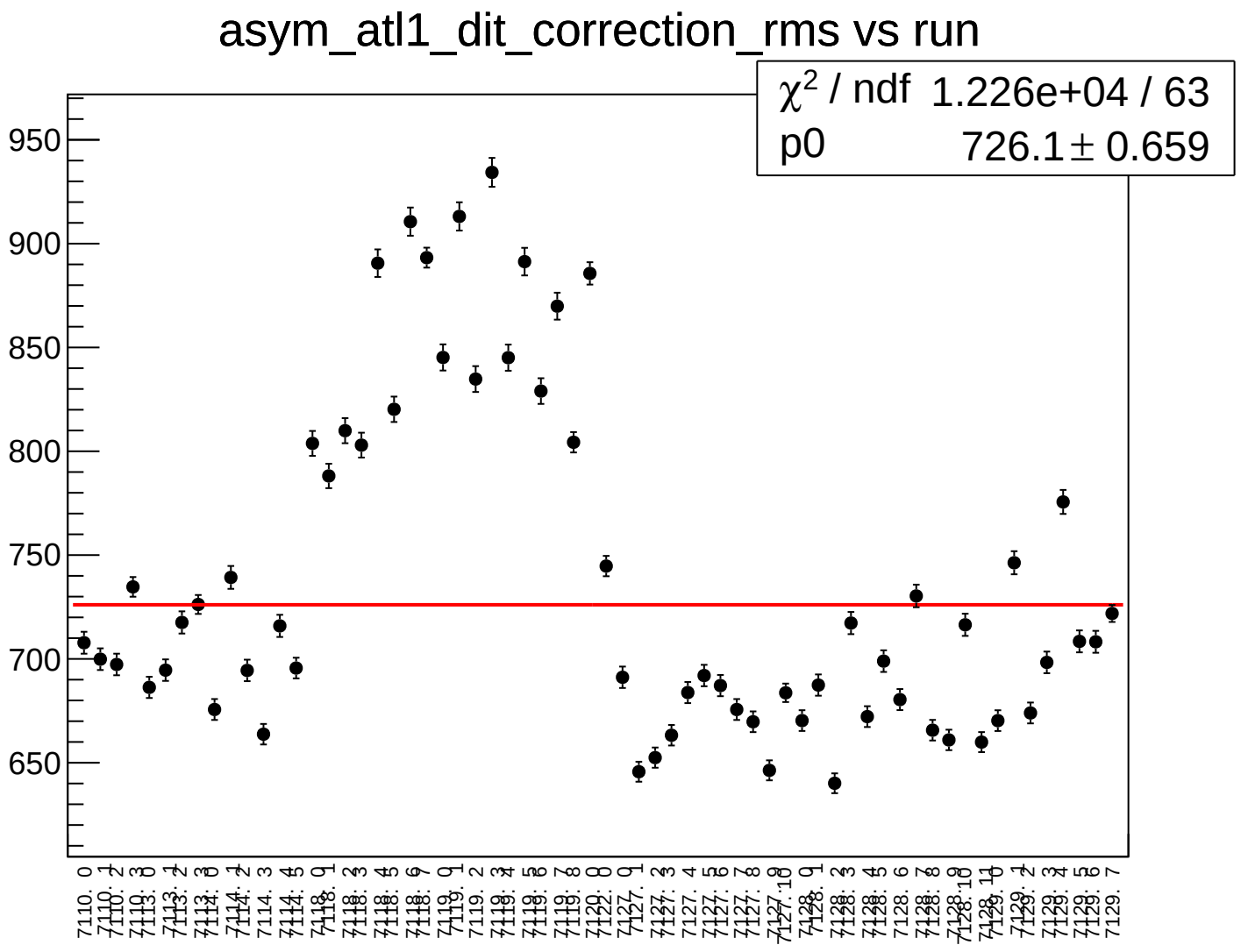

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 62.02 / 63
p0 559.7 ± 3001
pull
Entries 64
Mean −225.1
Std Dev 0

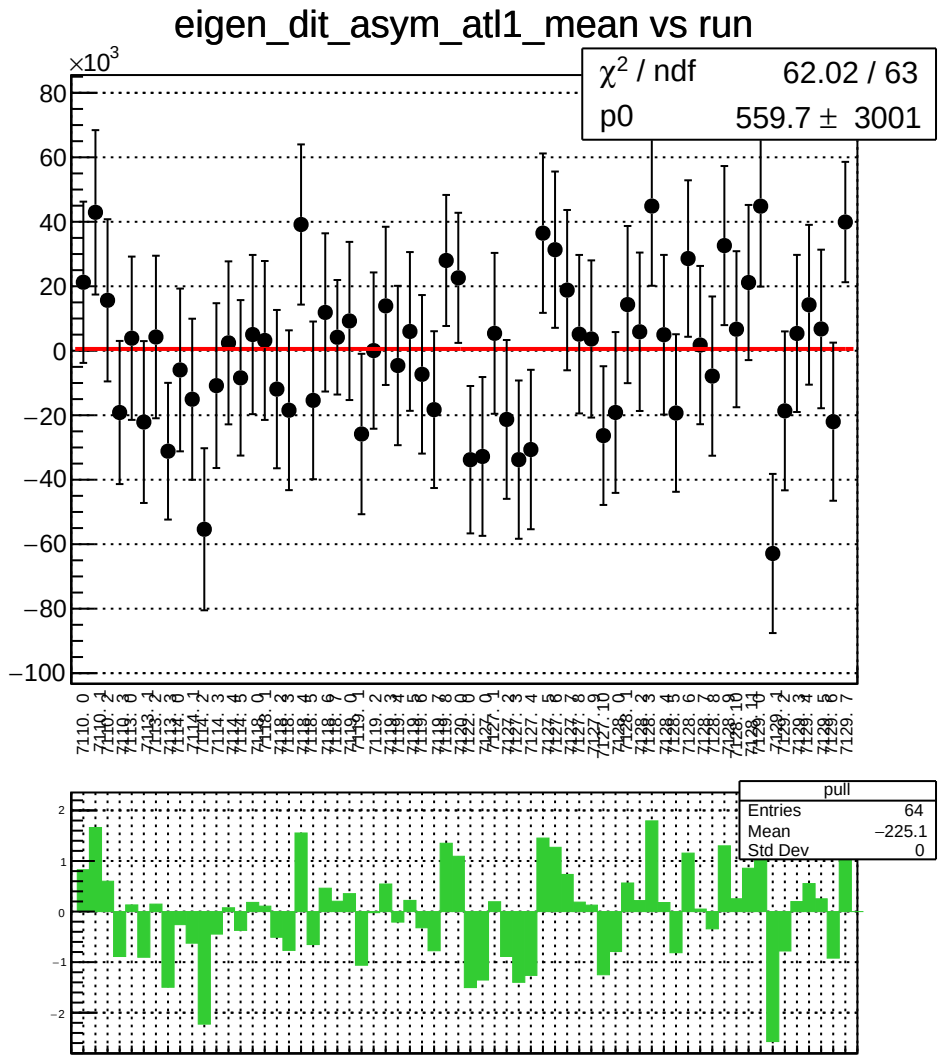

pull1D
Entries 64
Mean −0.0103
Std Dev 0.9844

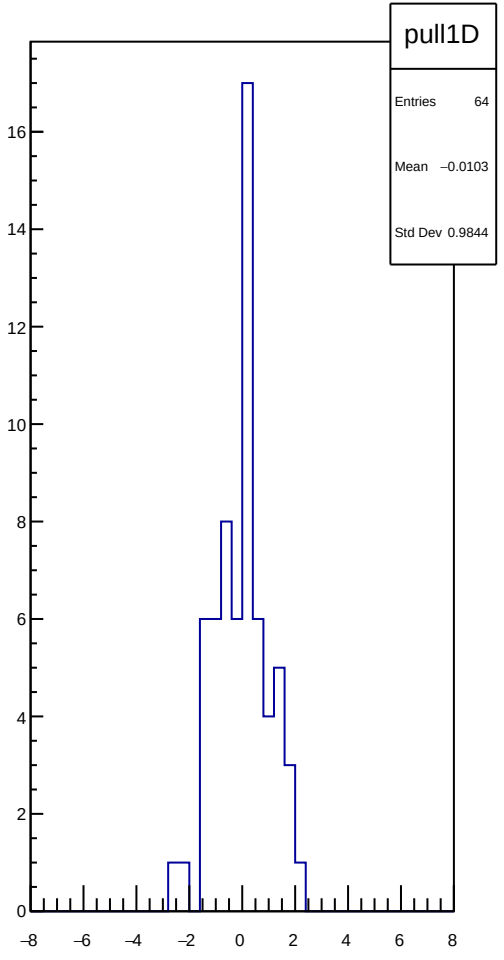

dit_asym_atl1_rms vs run
χ² / ndf 245.4 / 63
p0 2350 ± 2.122
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

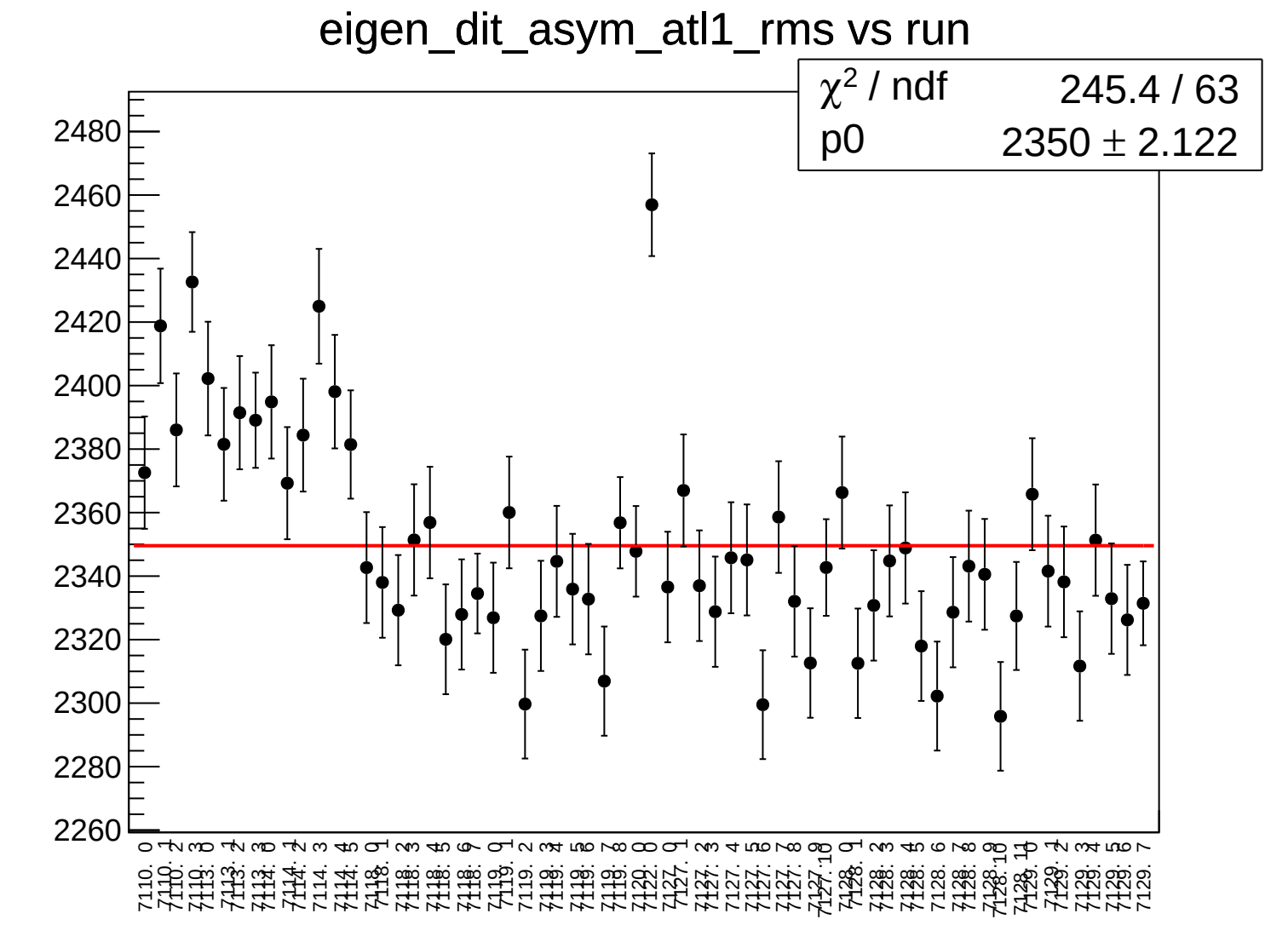

asym_atl1_dit_correction_mean vs run
χ² / ndf 55.19 / 63
p0 552.9 ± 932
pull
Entries 64
Mean −18.44
Std Dev 0

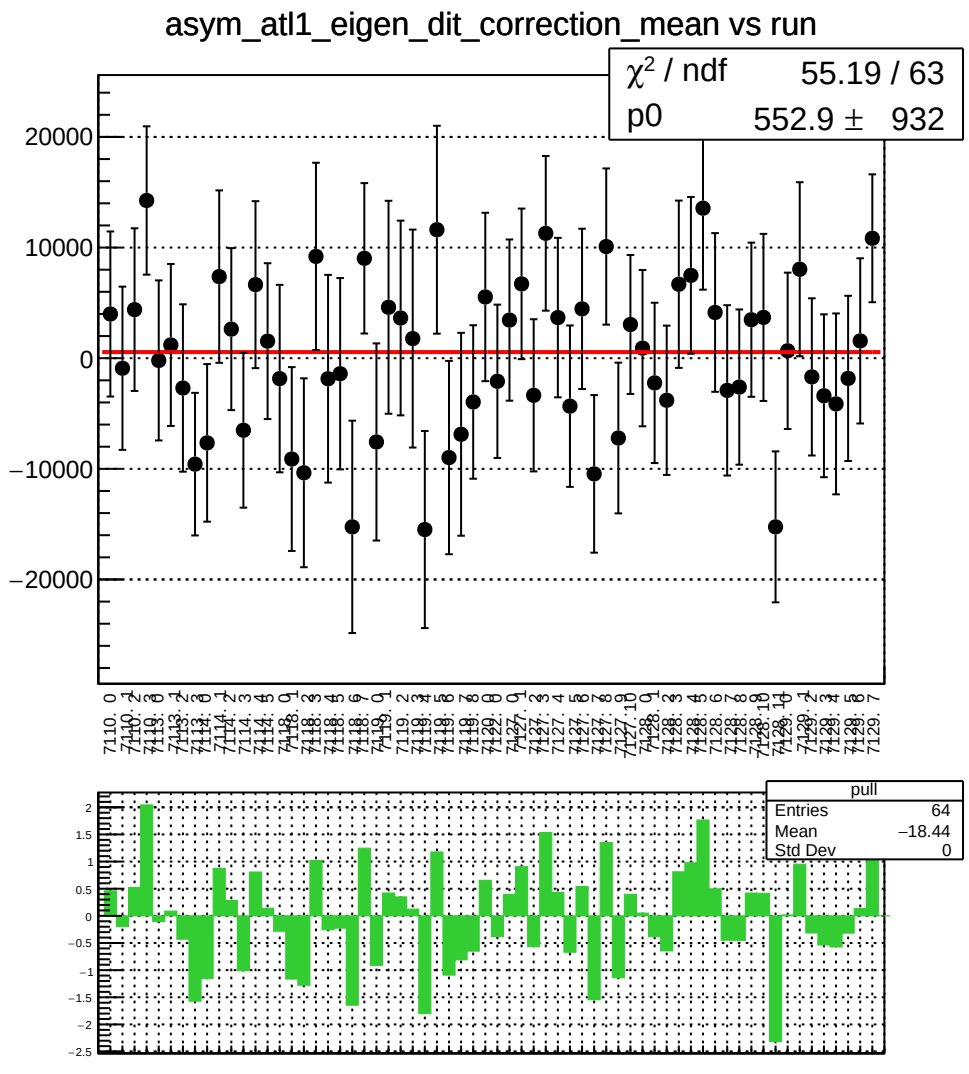

pull1D
Entries 64
Mean −0.01994
Std Dev 0.9284

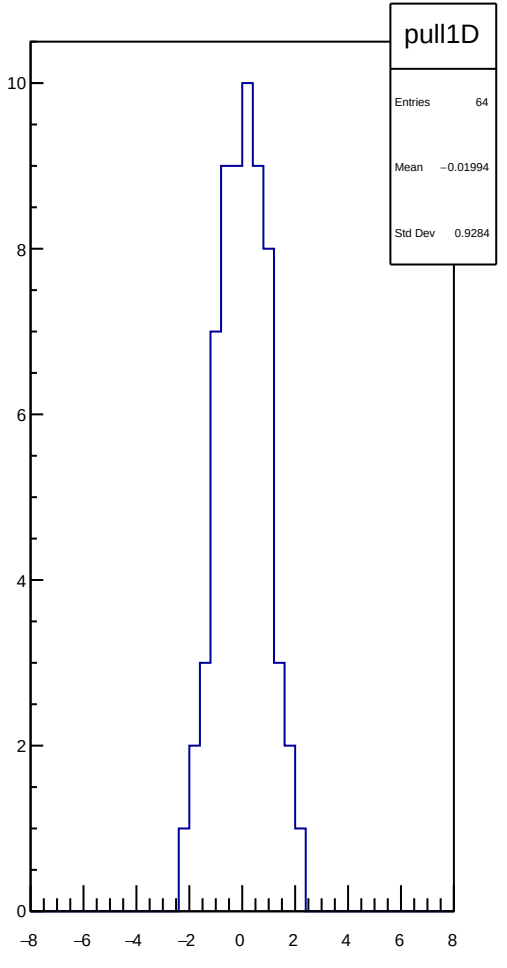

asym_atl1_dit_correction_rms vs run
χ² / ndf 1.226e+04 / 63
p0 726.1 ± 0.659
950
900
850
800
750
700
650

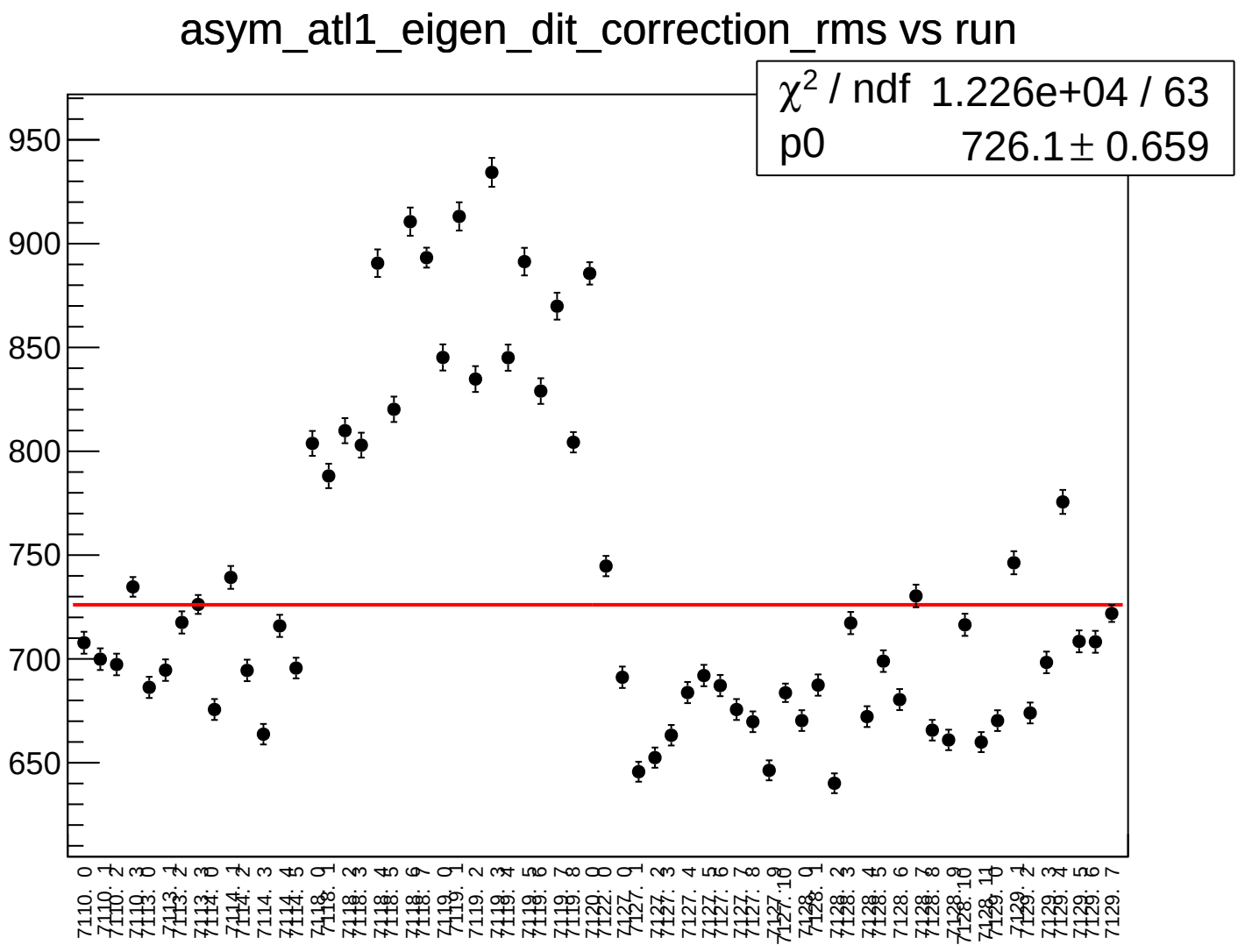

eigen_dit_asym_atl1_mean vs run
χ² / ndf 62.02 / 63
p0 559.7 ± 3001
pull
Entries 64
Mean −225.1
Std Dev 0

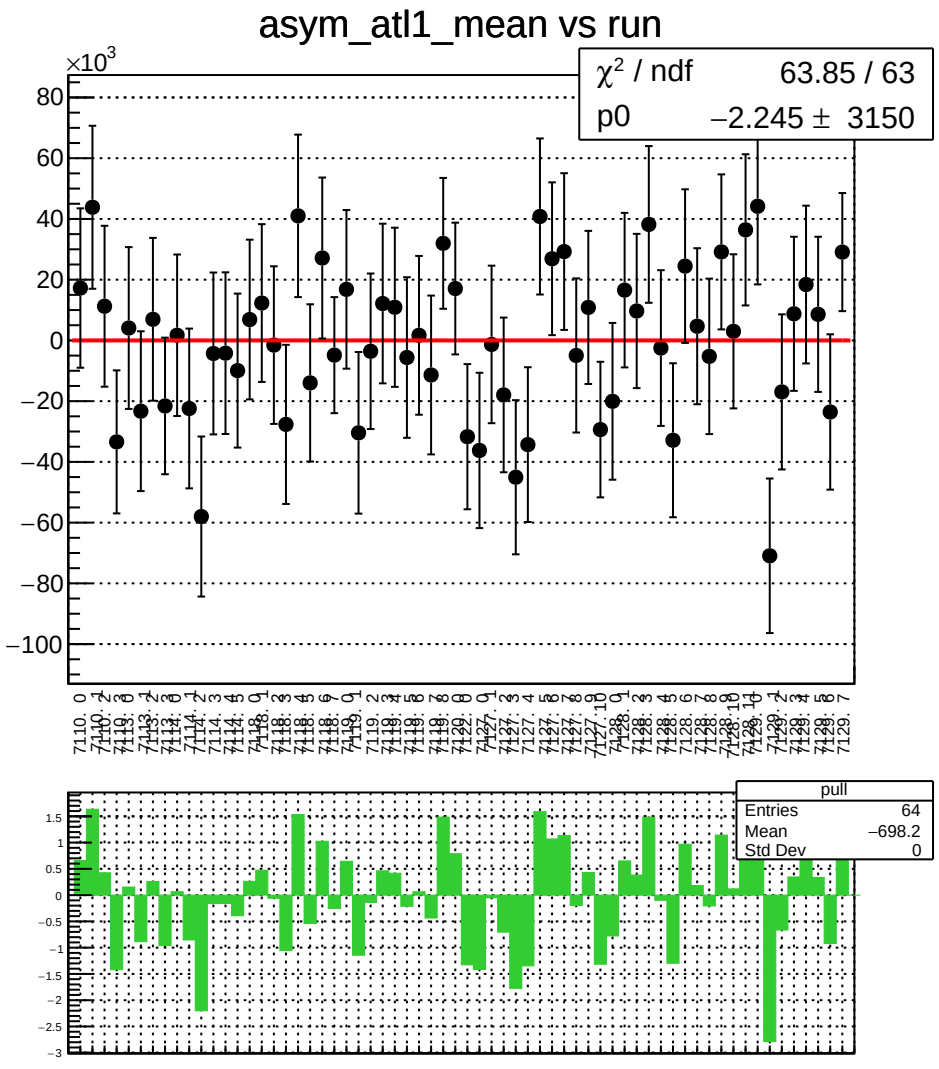

pull1D
Entries 64
Mean −0.0103
Std Dev 0.9844

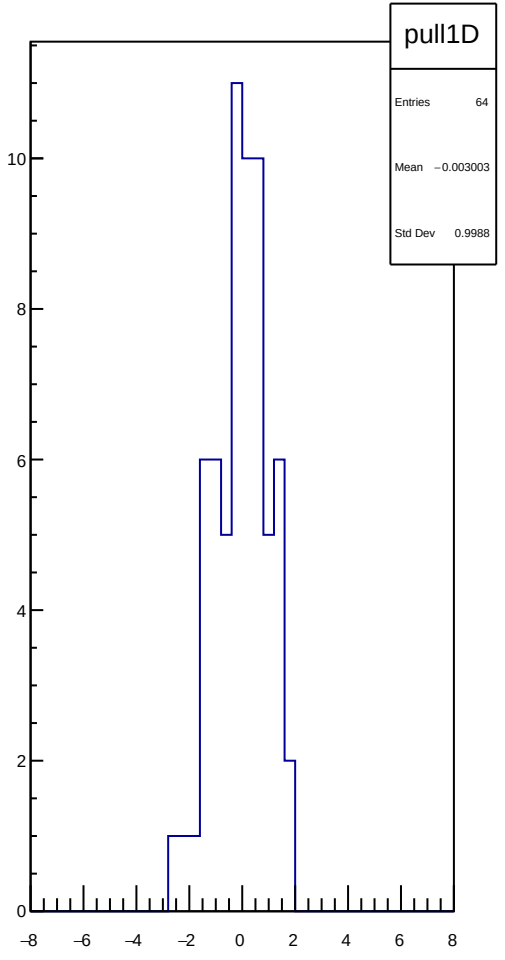

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 245.4 / 63
p0 2350 ± 2.122
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

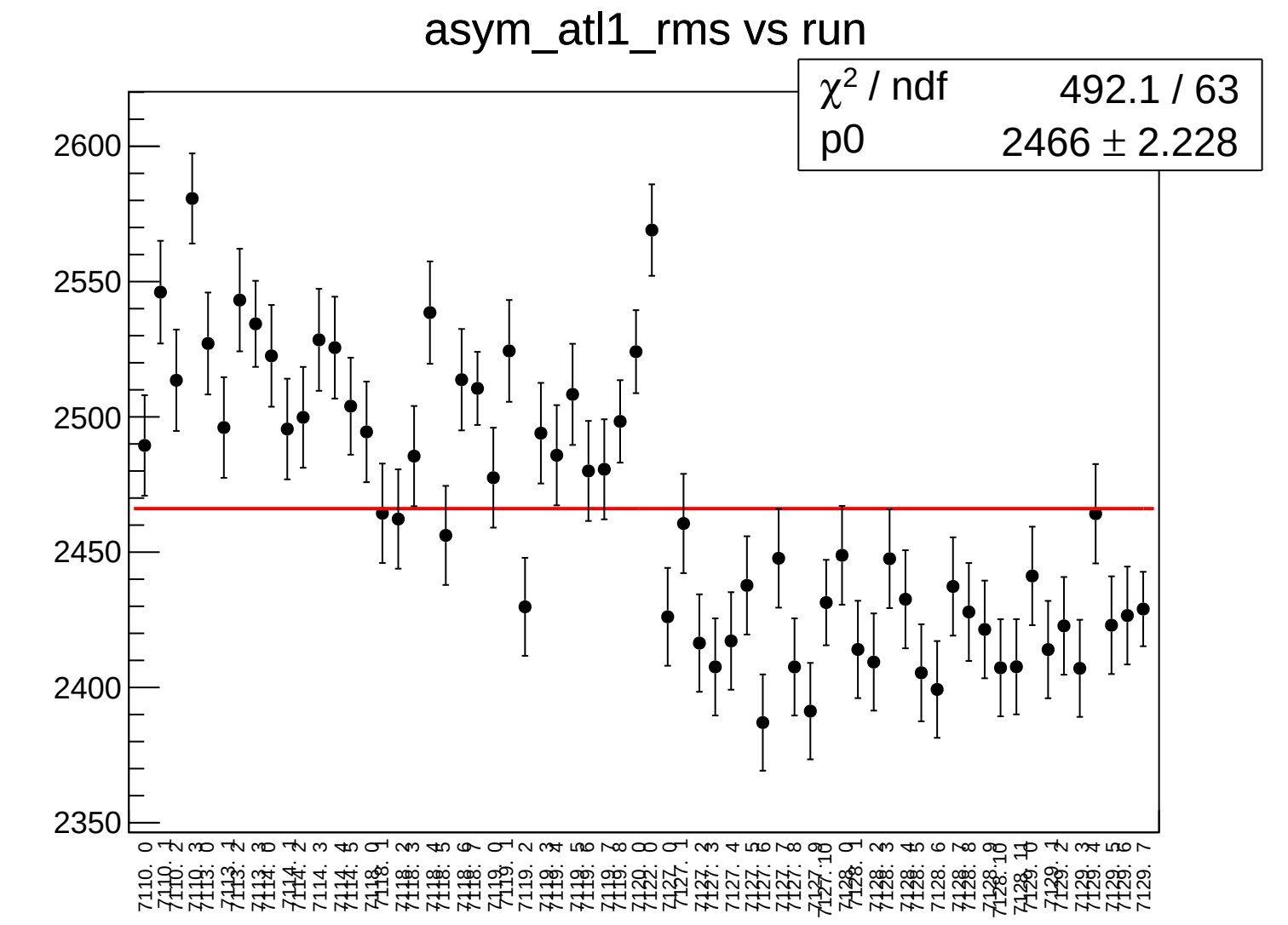

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 55.19 / 63
p0 552.9 ± 932
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −18.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

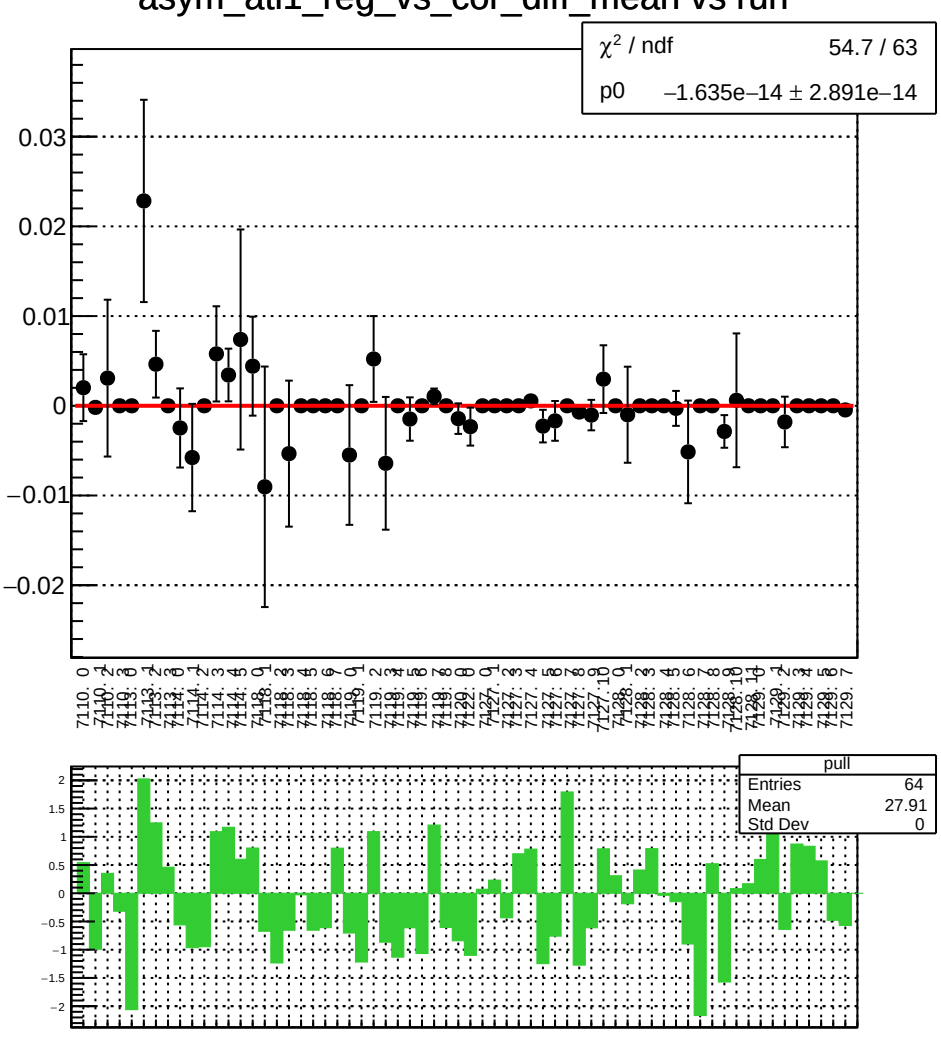

pull1D
Entries 64
Mean −0.01994
Std Dev 0.9284
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

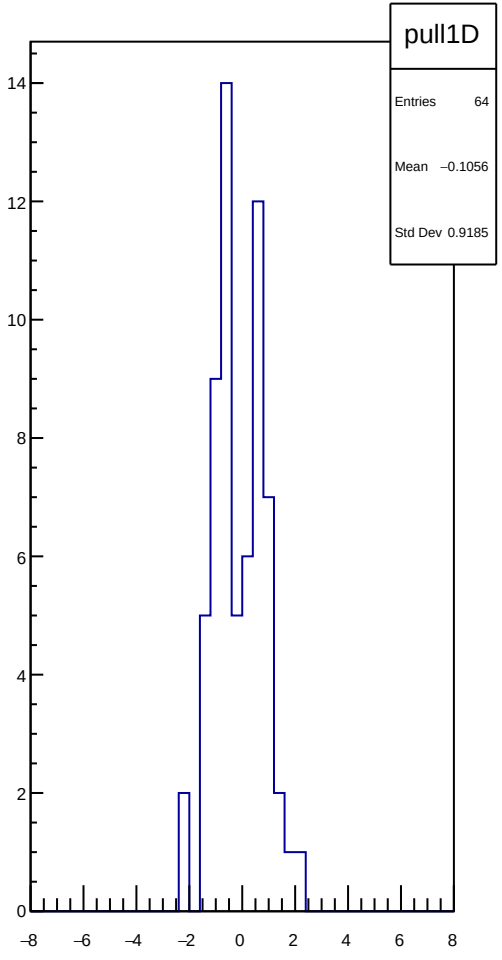

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1.226e+04 / 63
p0 726.1 ± 0.659
950
900
850
800
750
700
650

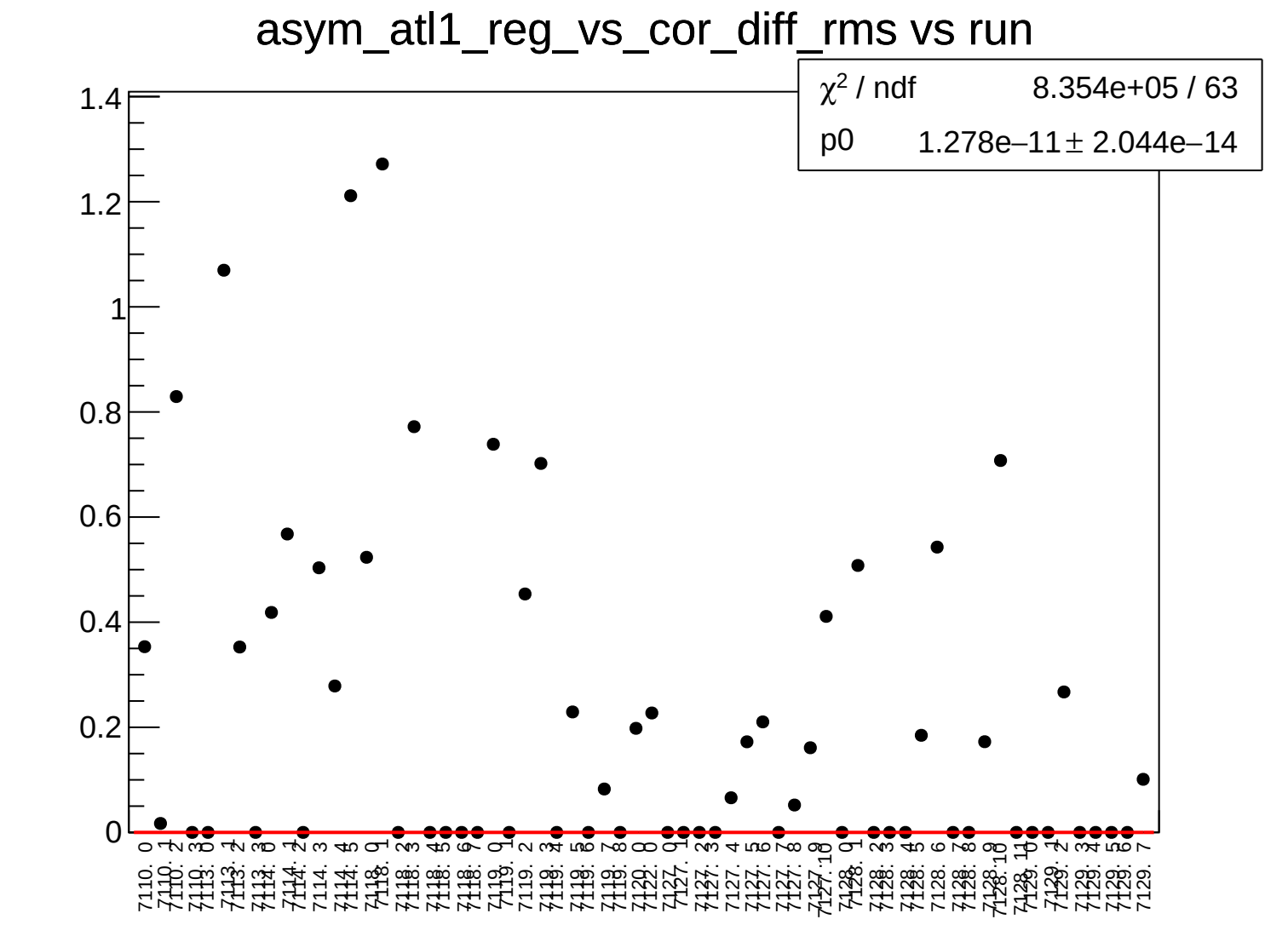

asym_atl1_mean vs run
×10^3
χ² / ndf 63.85 / 63
p0 −2.245 ± 3150
pull
Entries 64
Mean −698.2
Std Dev 0

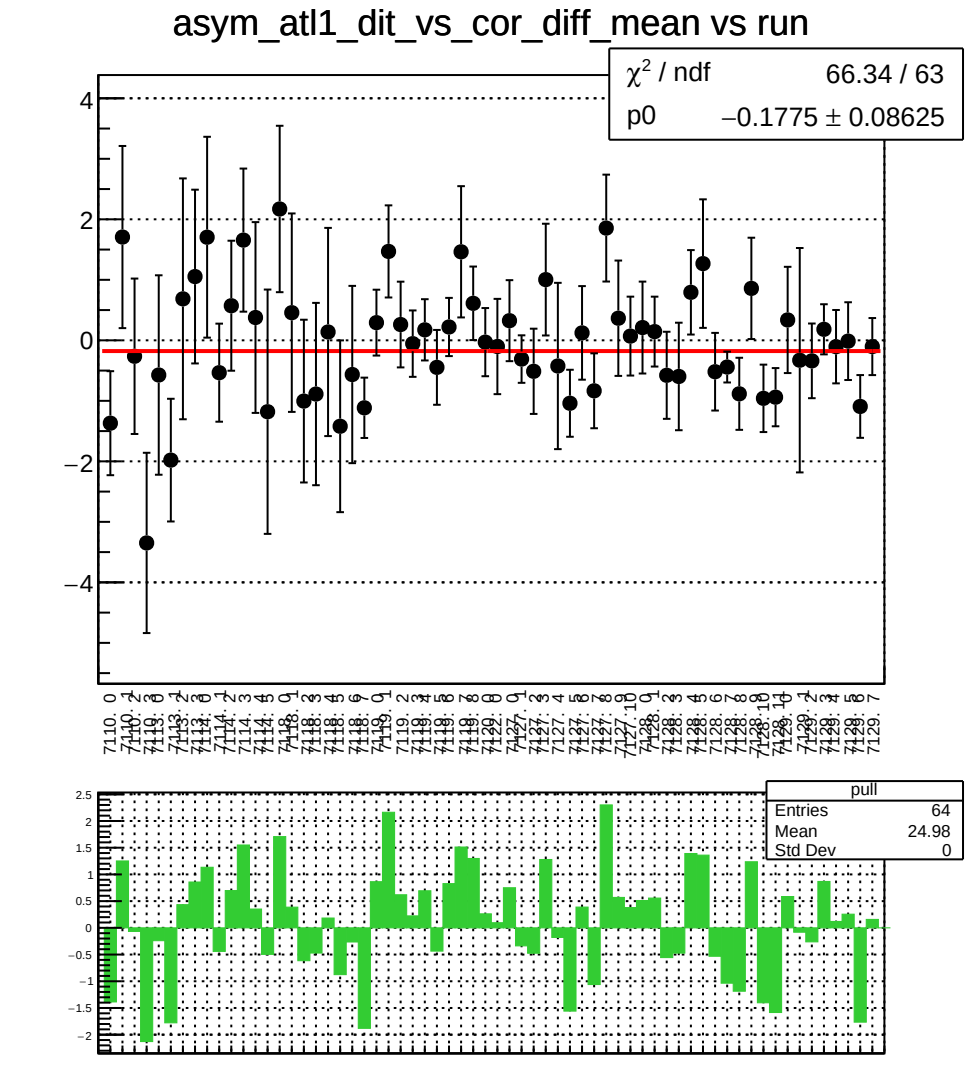

pull1D
Entries 64
Mean −0.003003
Std Dev 0.9988

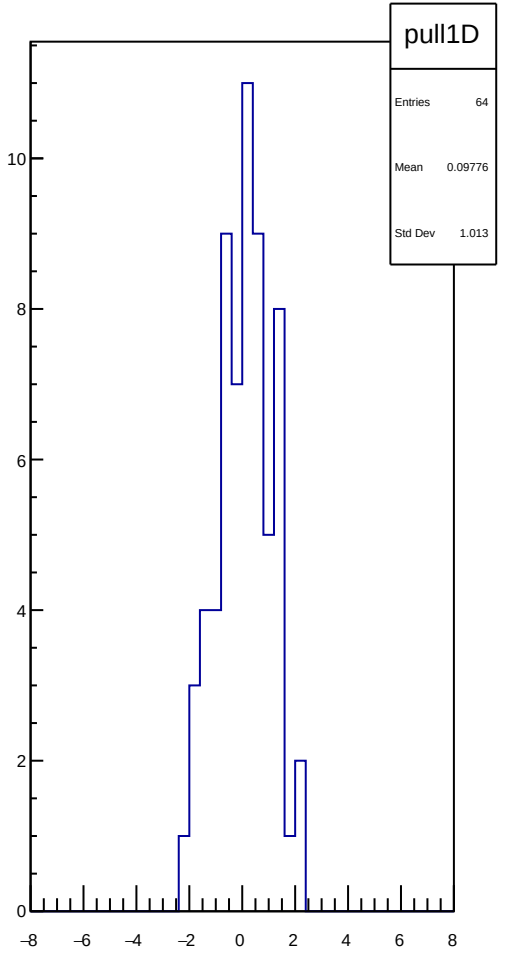

asym_atl1_rms vs run
χ^2 / ndf 492.1 / 63
p0 2466 ± 2.228
2600
2550
2500
2450
2400
2350

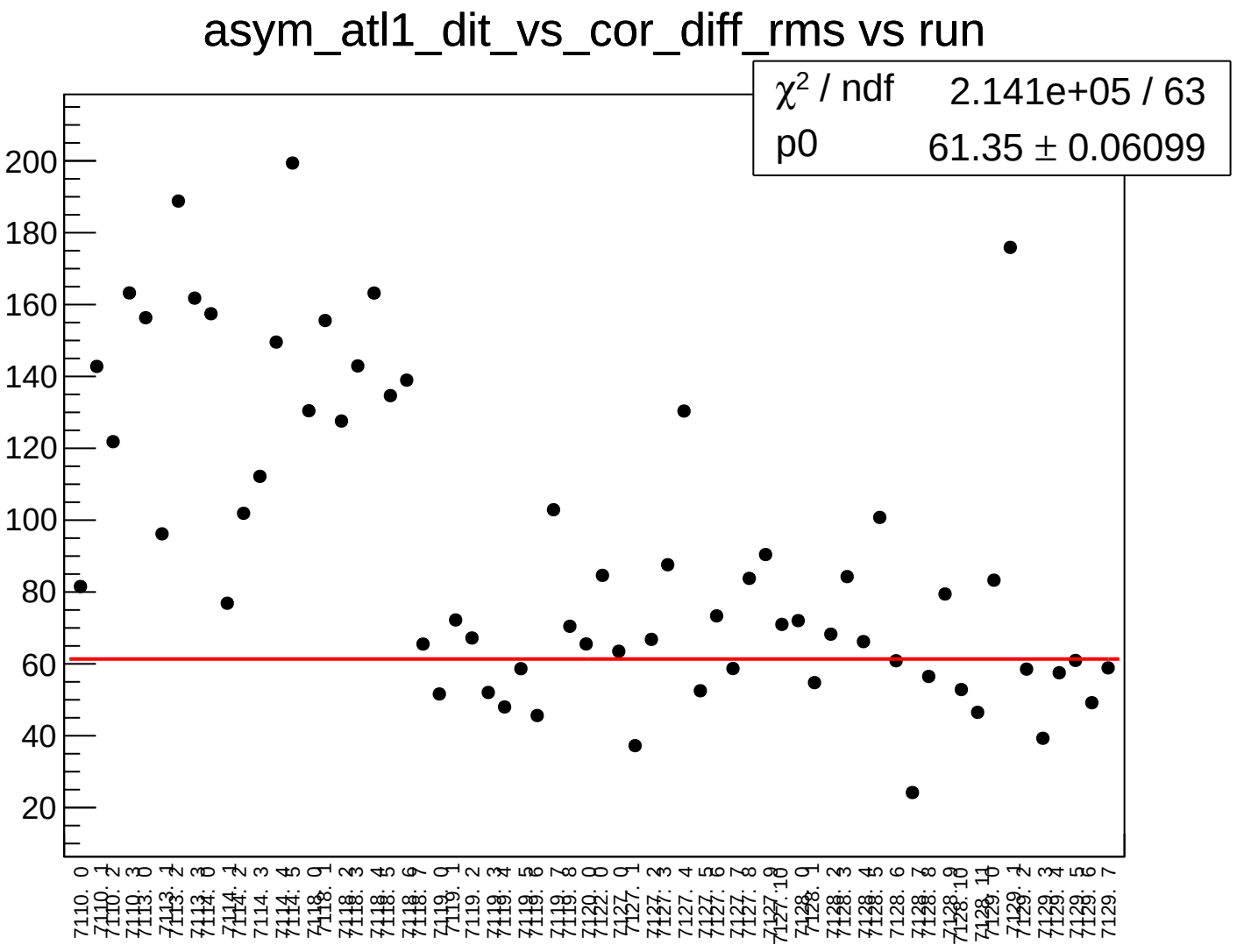

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 54.7 / 63
p0 −1.635e−14 ± 2.891e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean 27.91
Std Dev 0

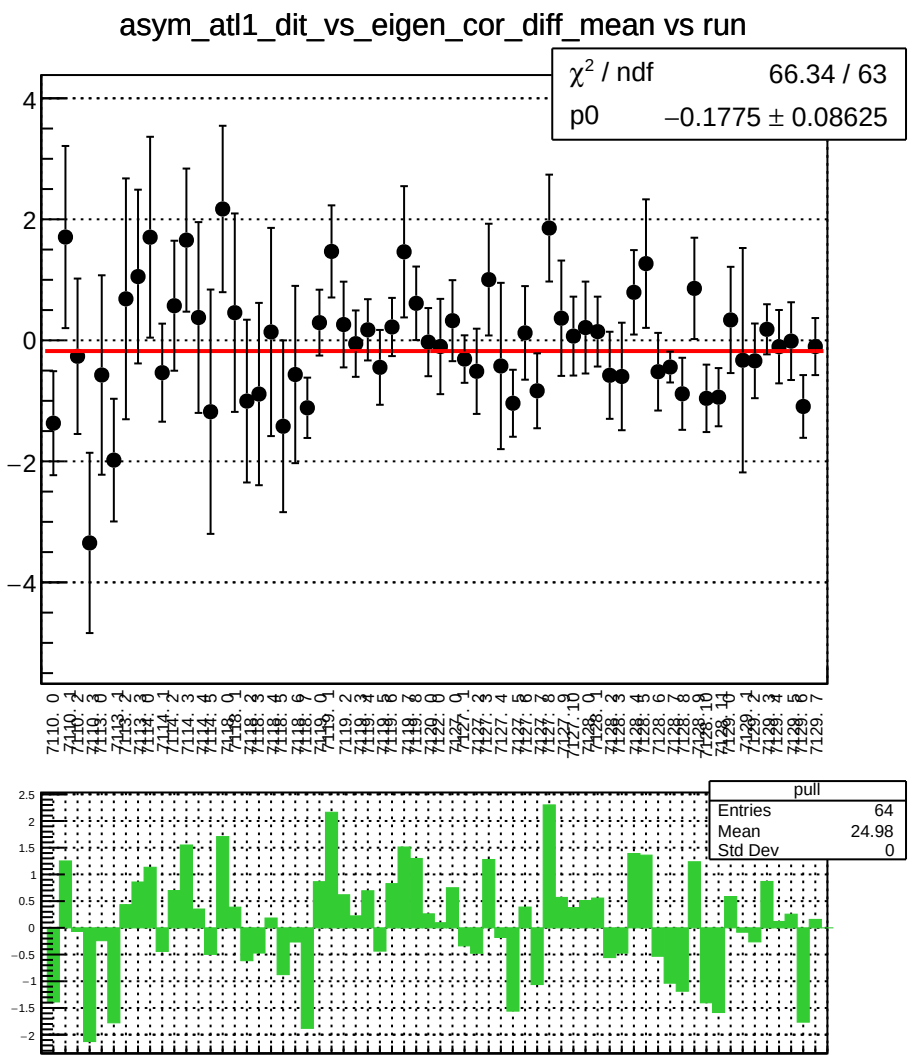

pull1D
Entries 64
Mean −0.1056
Std Dev 0.9185

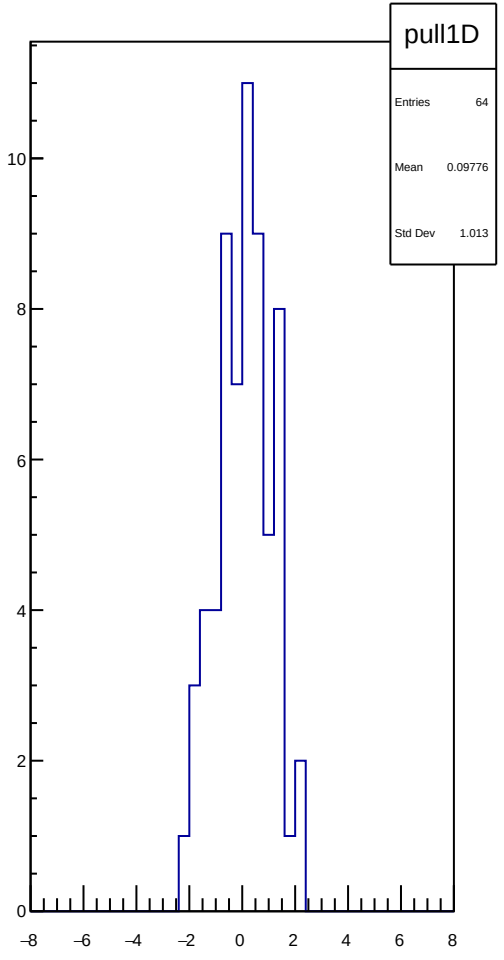

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 8.354e+05 / 63
p0 1.278e−11 ± 2.044e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

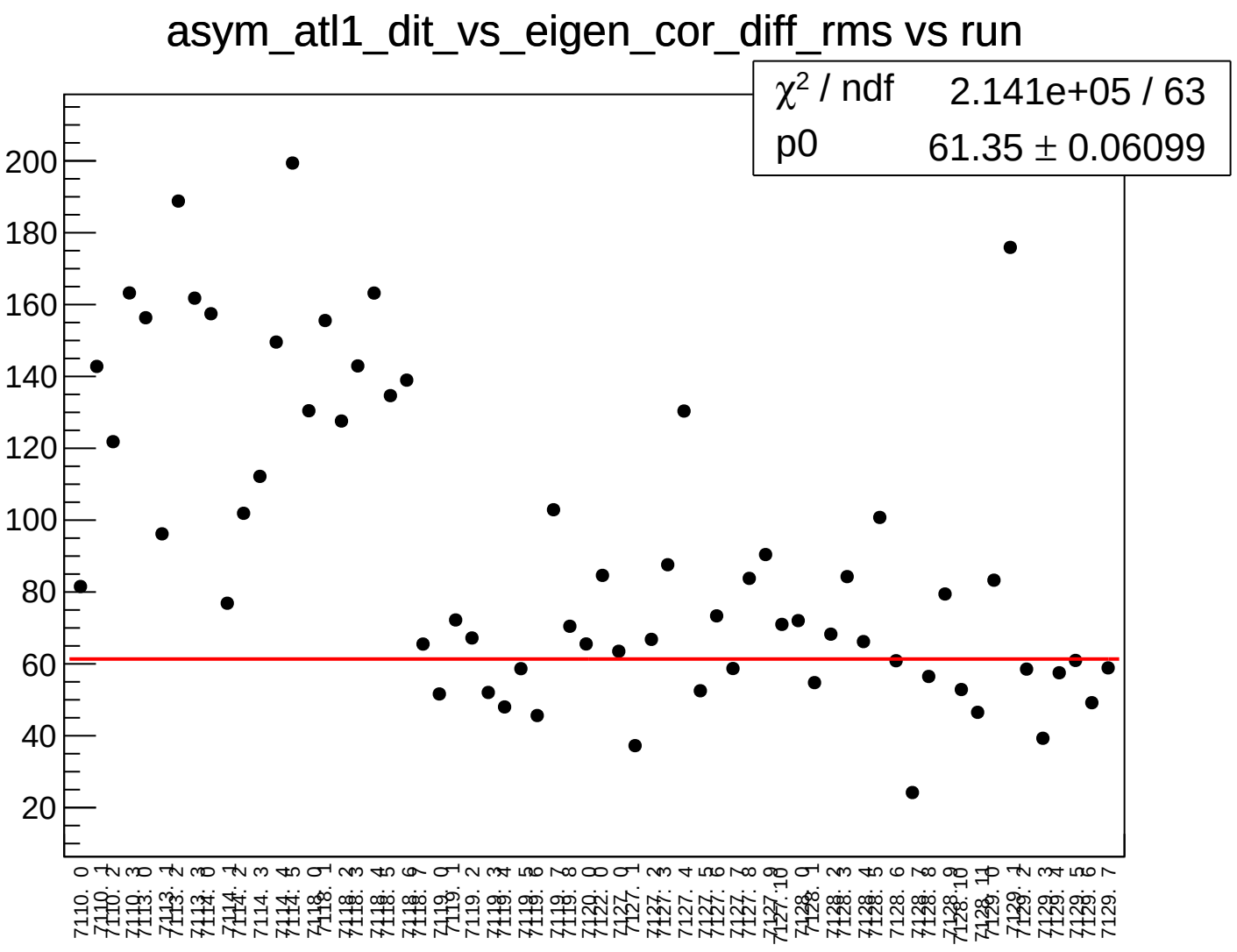

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 66.34 / 63
p0 −0.1775 ± 0.08625
pull
Entries 64
Mean 24.98
Std Dev 0

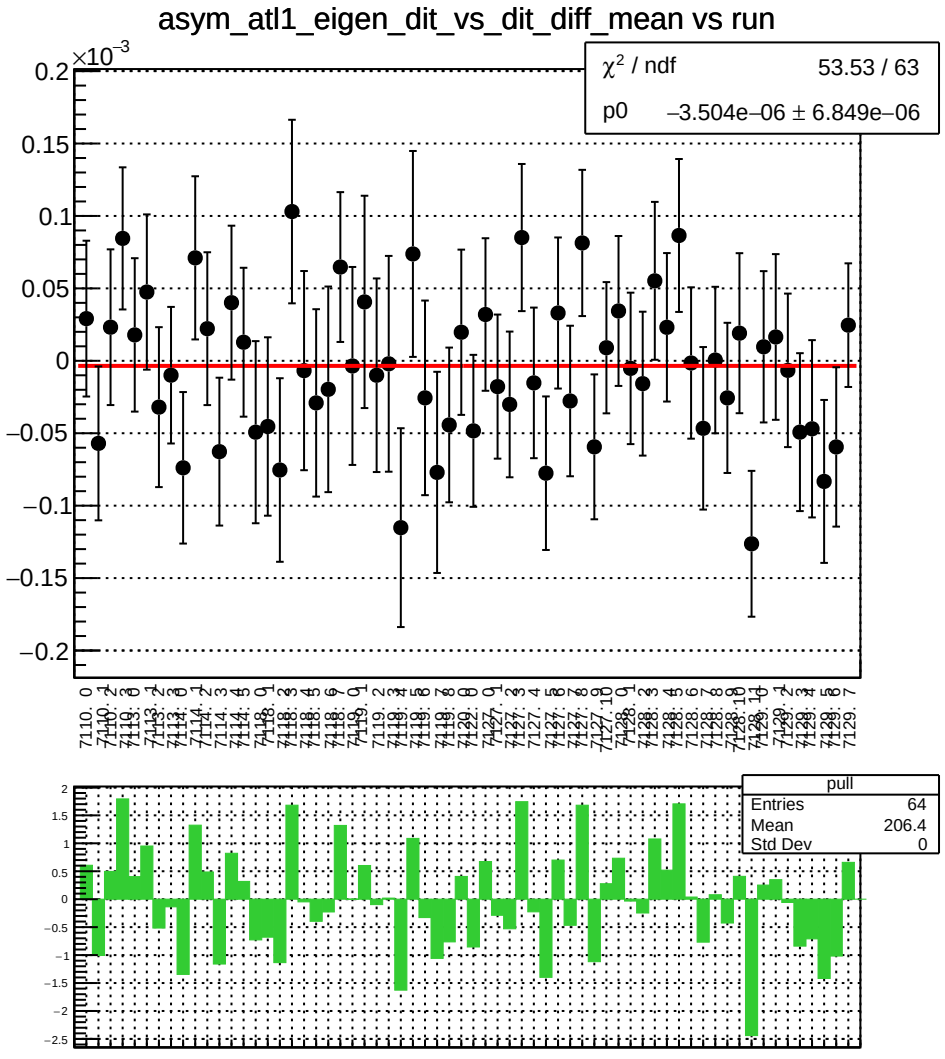

pull1D
Entries 64
Mean 0.09776
Std Dev 1.013

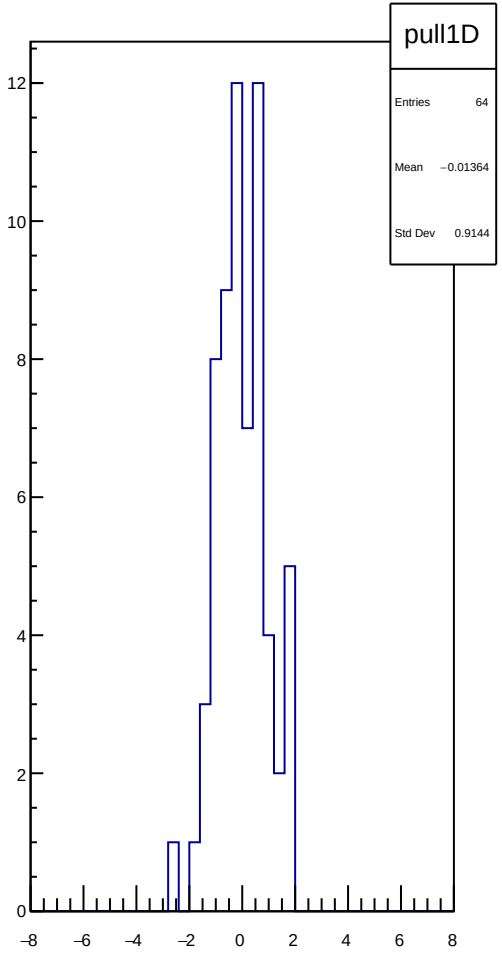

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.141e+05 / 63
p0 61.35 ± 0.06099
200
180
160
140
120
100
80
60
40
20

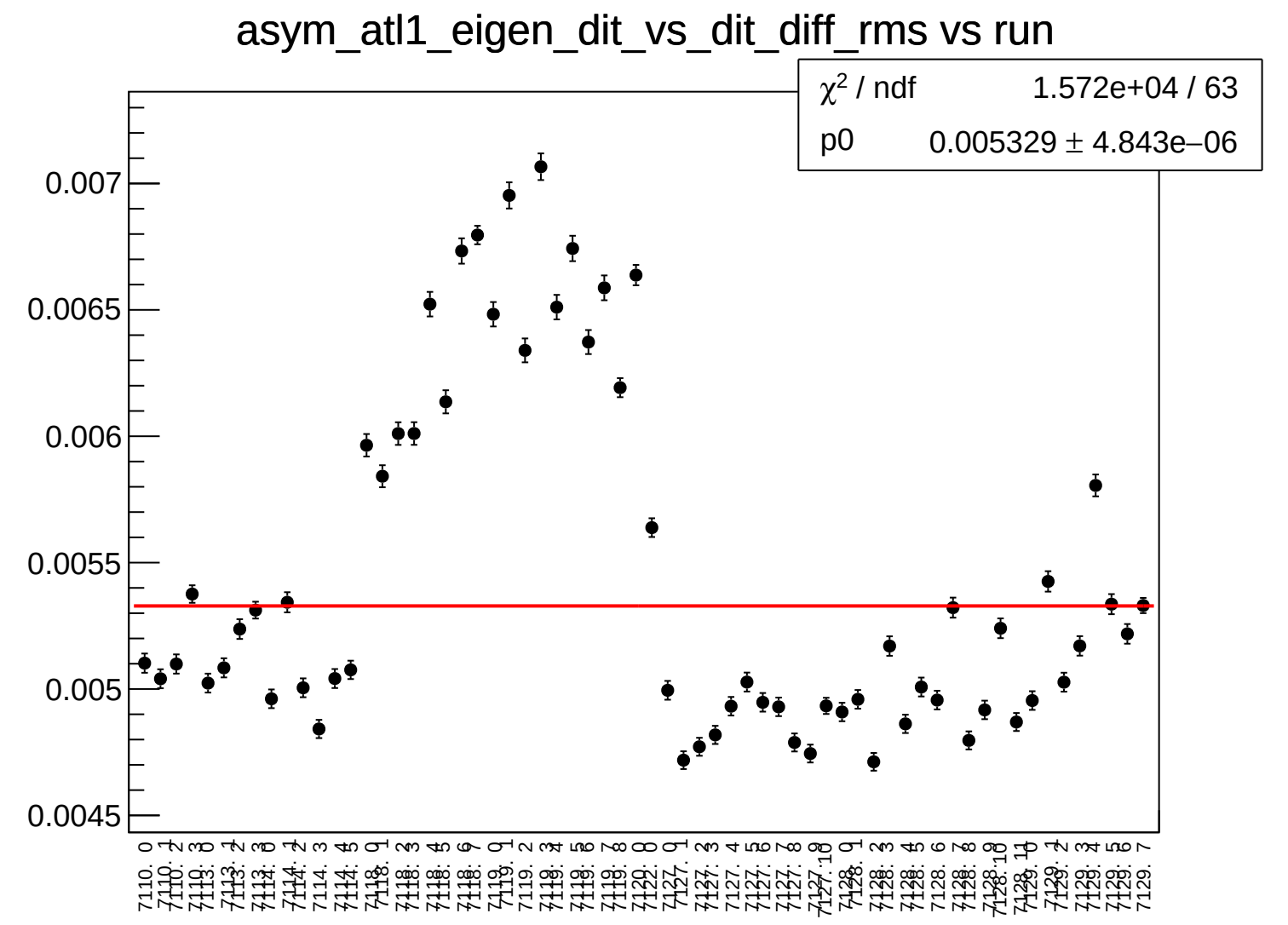

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.34 / 63
p0 −0.1775 ± 0.08625
pull
Entries 64
Mean 24.98
Std Dev 0

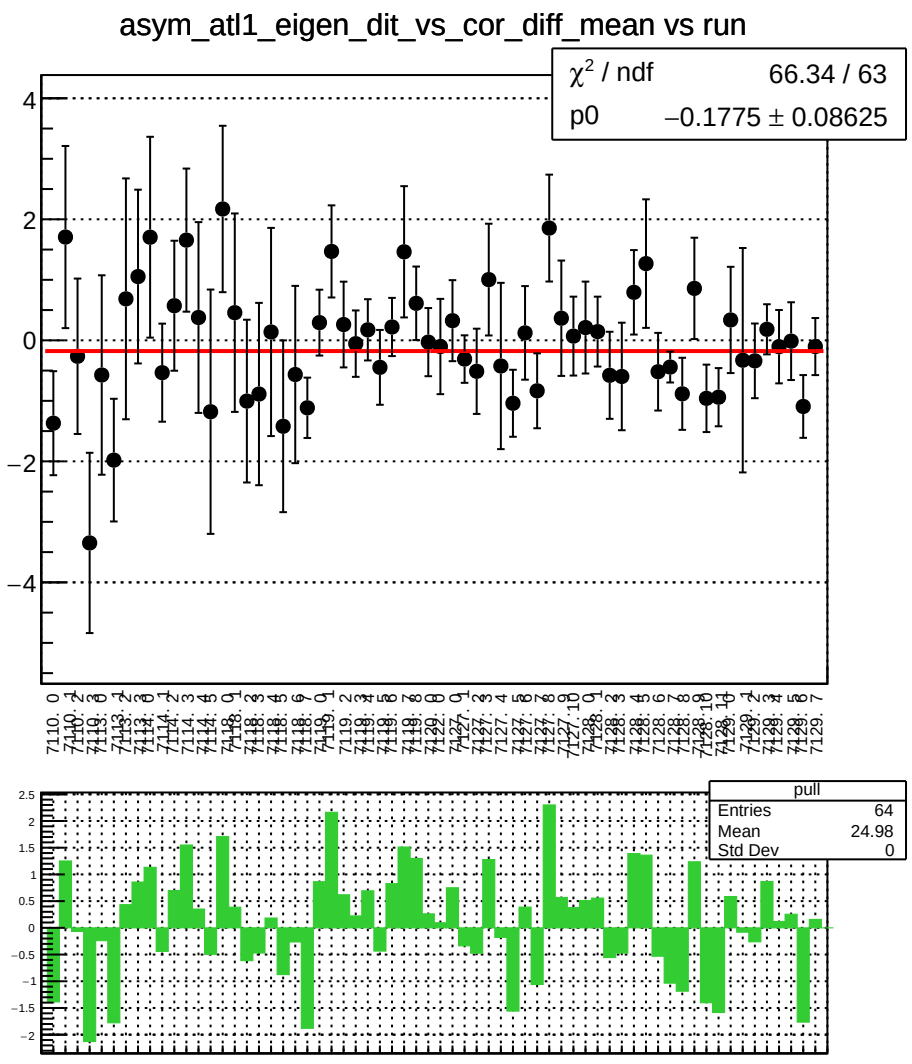

pull1D
Entries 64
Mean 0.09776
Std Dev 1.013

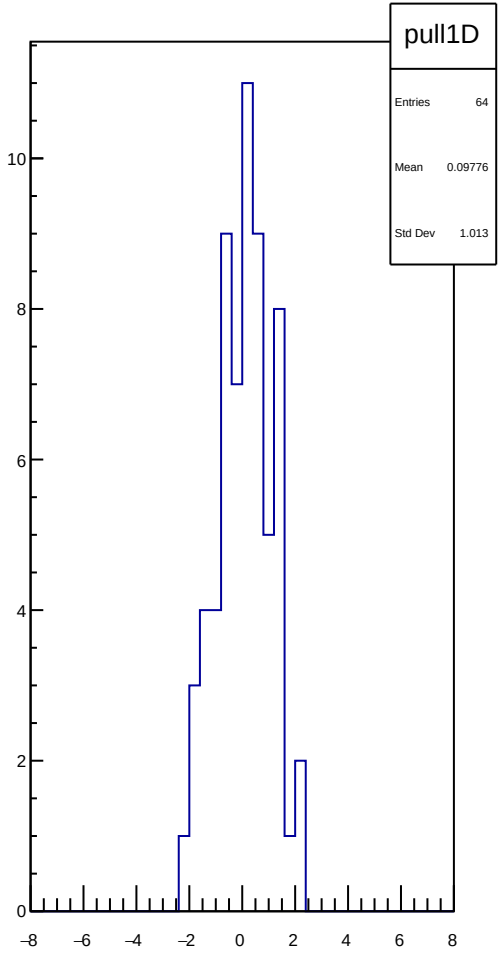

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.141e+05 / 63
p0 61.35 ± 0.06099
200
180
160
140
120
100
80
60
40
20

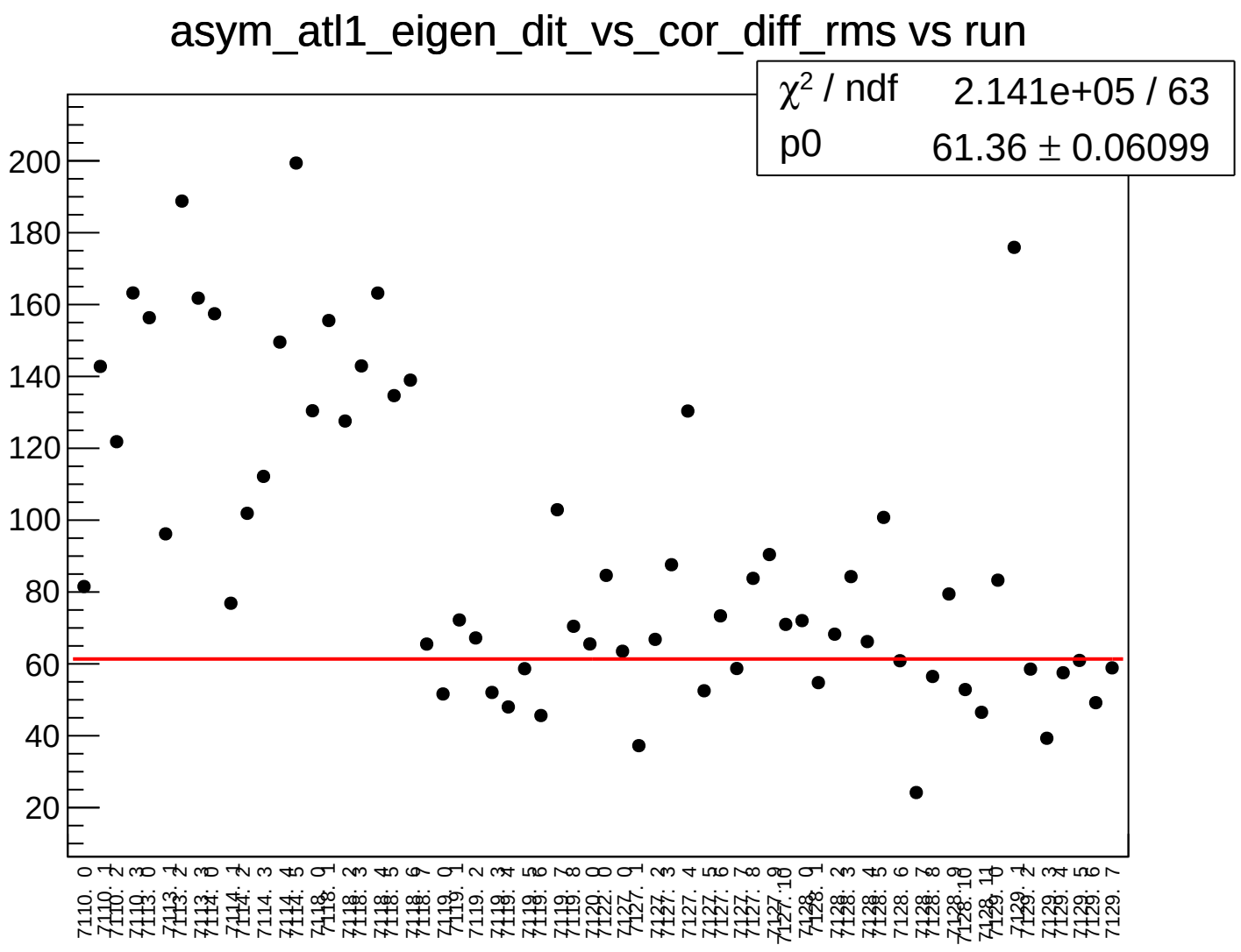

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.53 / 63
p0 −3.504e−06 ± 6.849e−06
pull
Entries 64
Mean 206.4
Std Dev 0

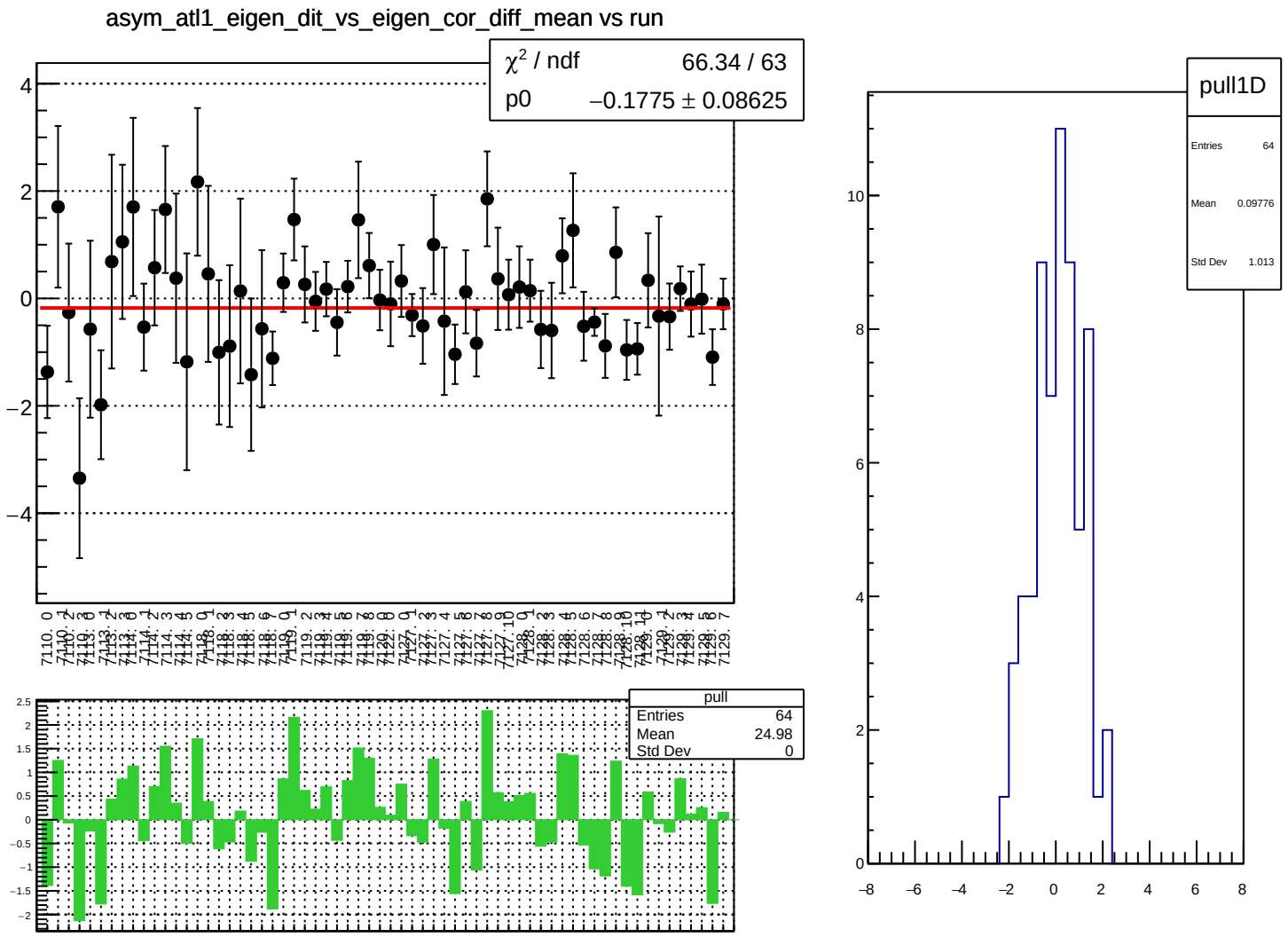

pull1D
Entries 64
Mean −0.01364
Std Dev 0.9144

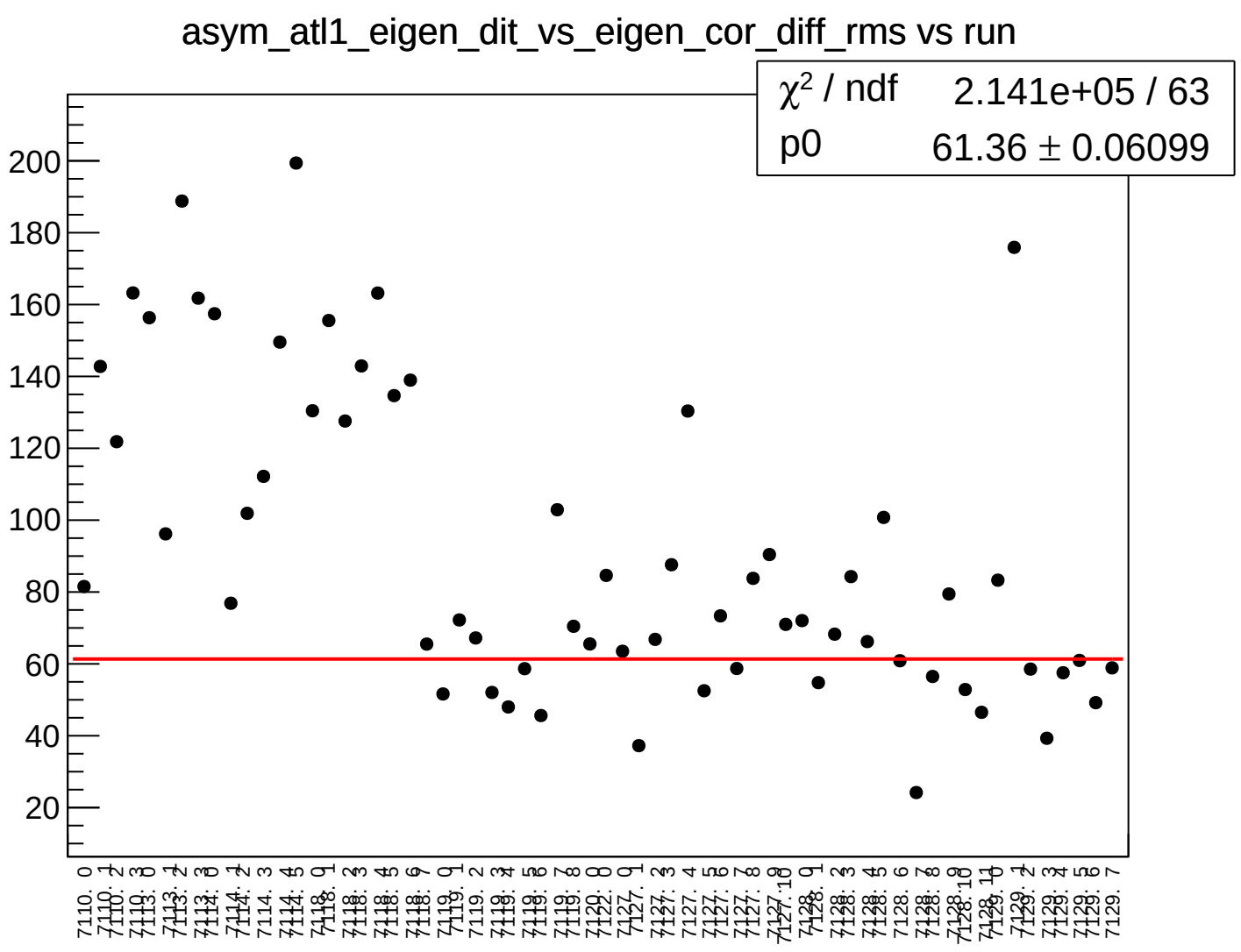

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.572e+04 / 63
p0 0.005329 ± 4.843e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045

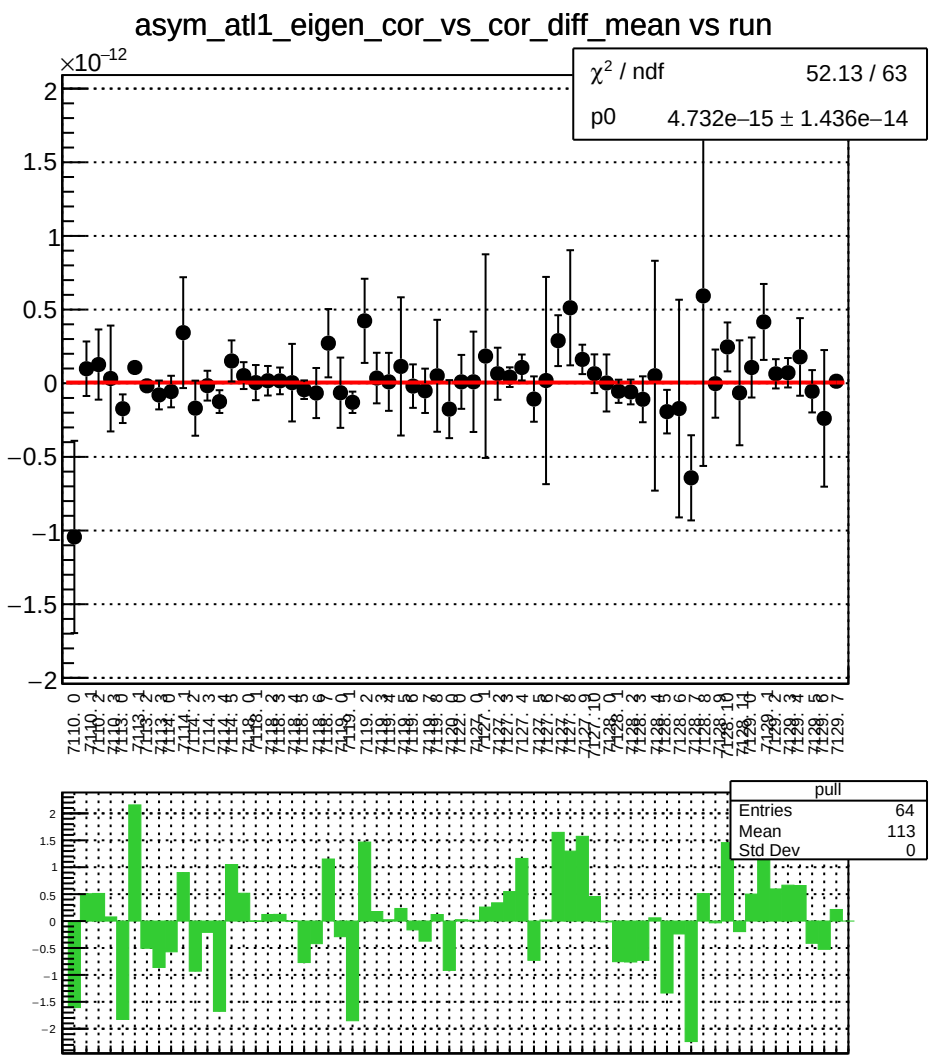

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.34 / 63
p0 −0.1775 ± 0.08625
pull
Entries 64
Mean 24.98
Std Dev 0

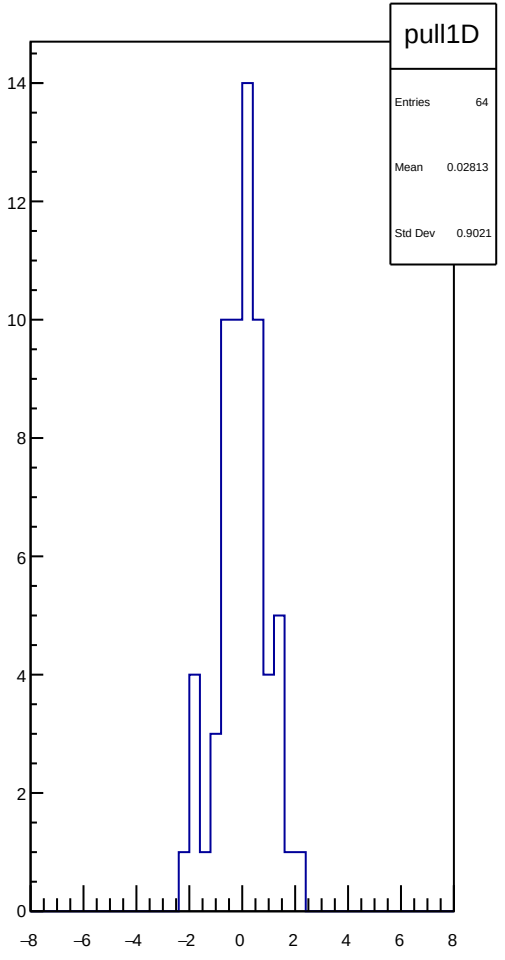

pull1D
Entries 64
Mean 0.09776
Std Dev 1.013

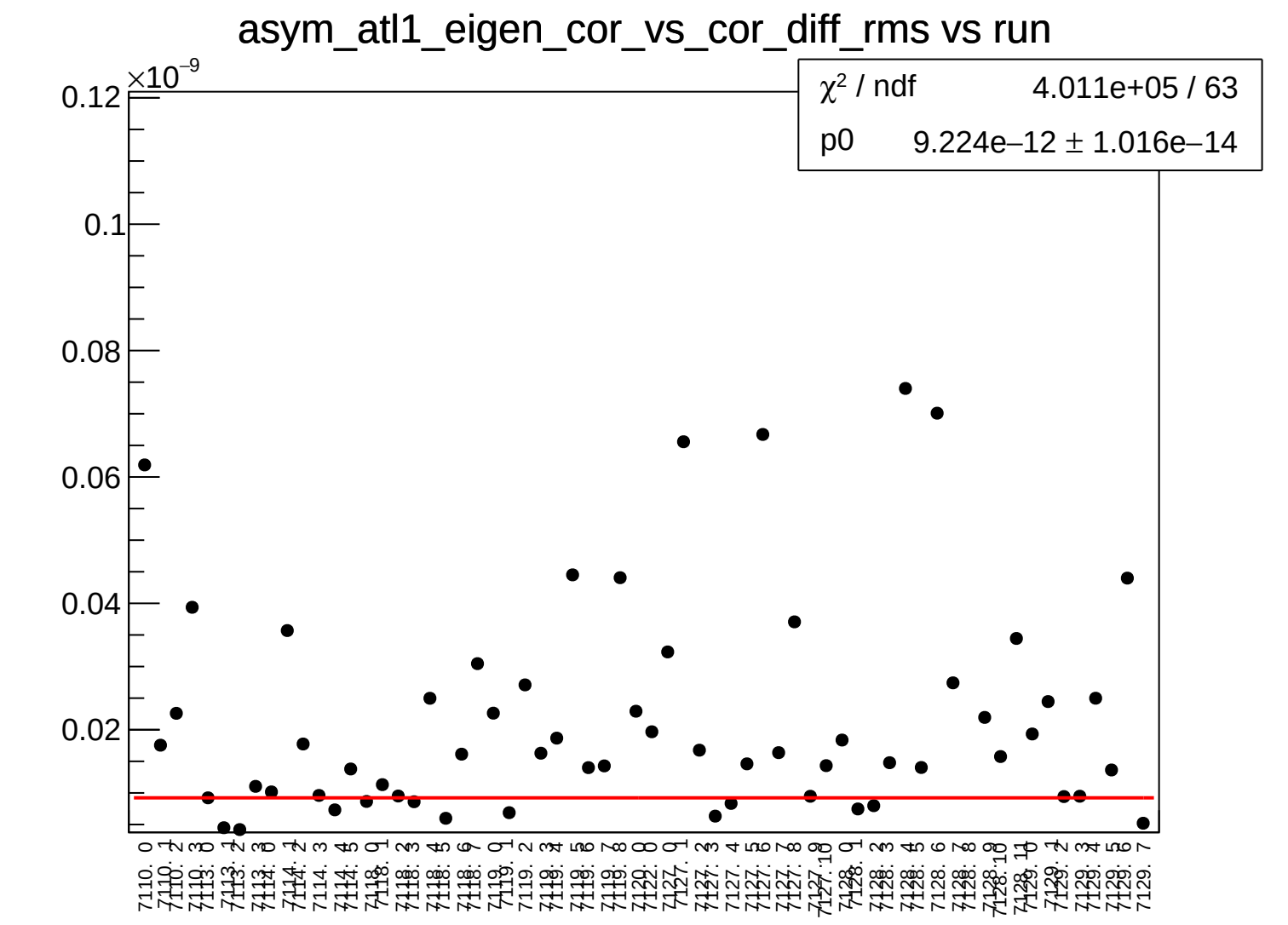

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.141e+05 / 63
p0 61.36 ± 0.06099
200
180
160
140
120
100
80
60
40
20

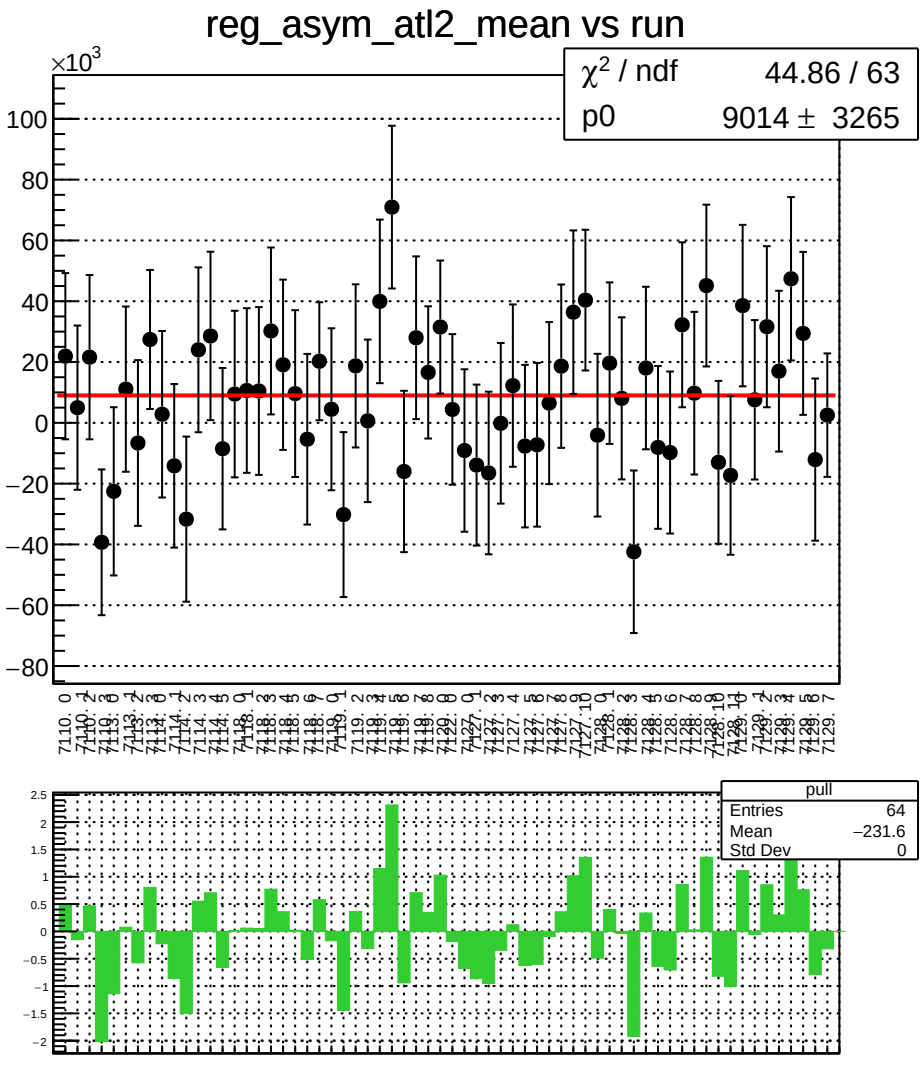

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.34 / 63
p0 −0.1775 ± 0.08625
pull
Entries 64
Mean 24.98
Std Dev 0
pull1D
Entries 64
Mean 0.09776
Std Dev 1.013

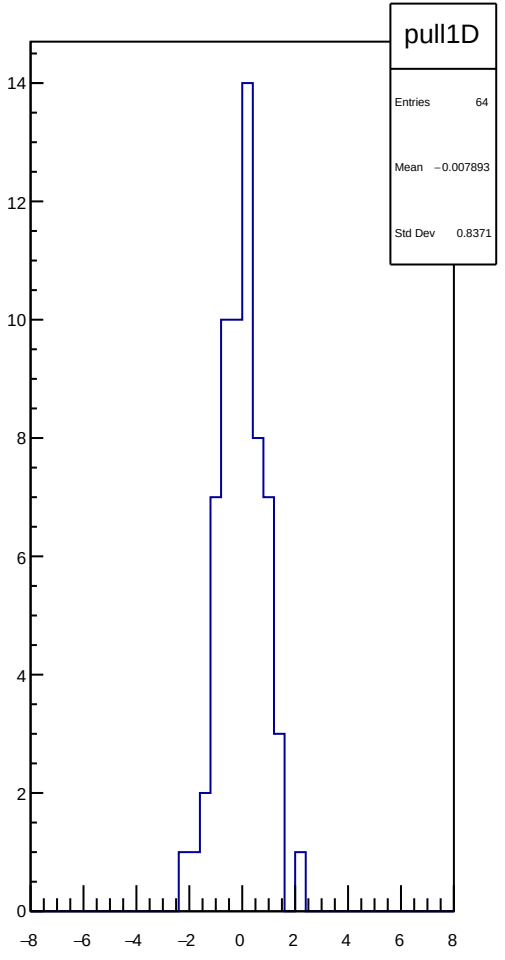

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.141e+05 / 63
p0 61.36 ± 0.06099
200
180
160
140
120
100
80
60
40
20

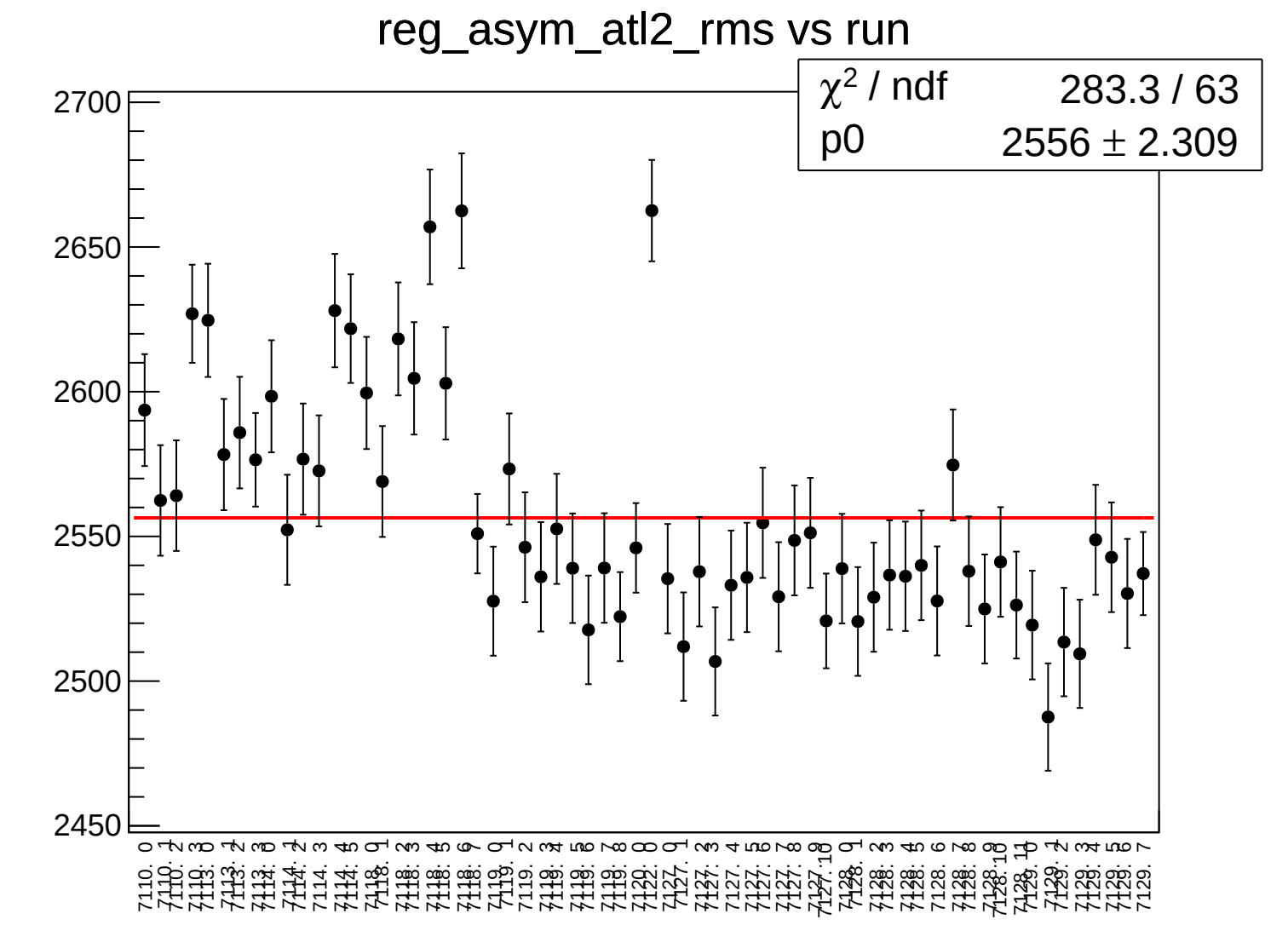

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.13 / 63
p0 4.732e−15 ± 1.436e−14
pull
Entries 64
Mean 113
Std Dev 0

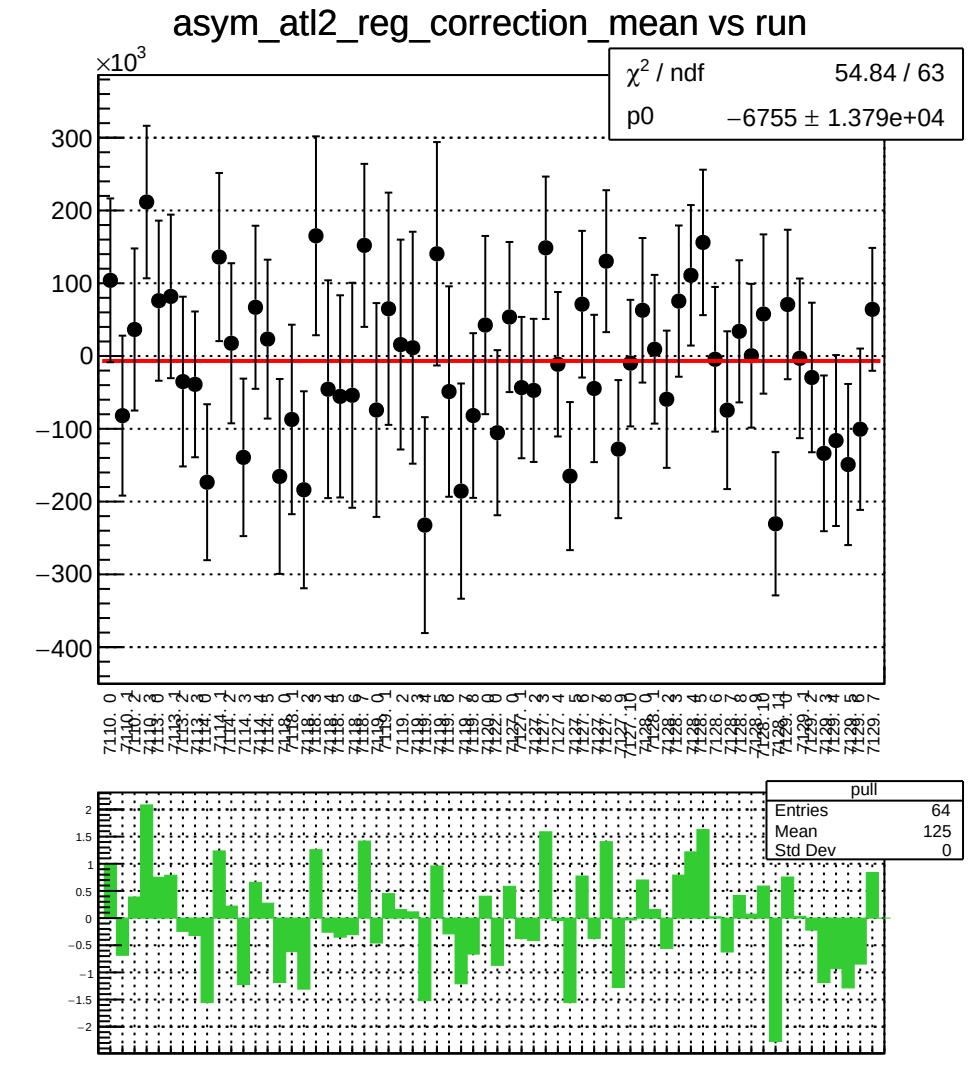

pull1D
Entries 64
Mean 0.02813
Std Dev 0.9021

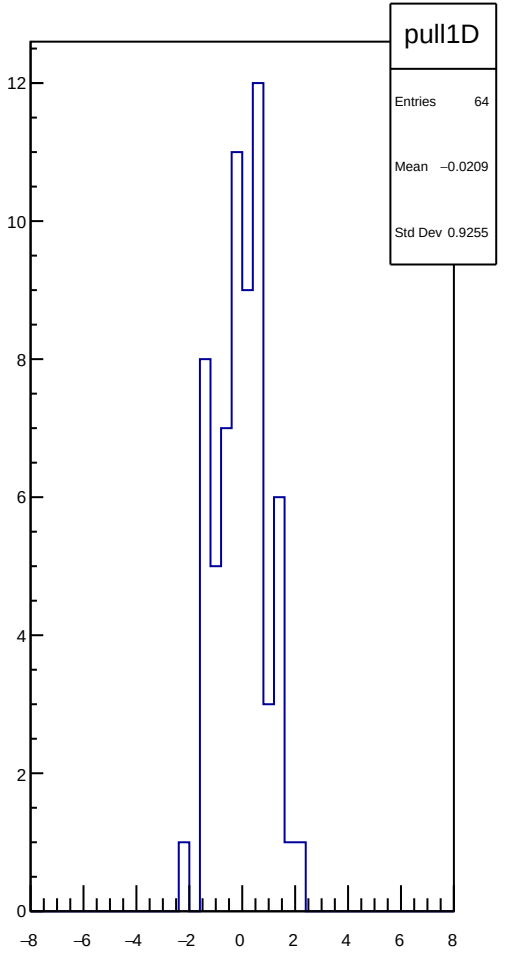

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 4.011e+05 / 63
p0 9.224e−12 ± 1.016e−14

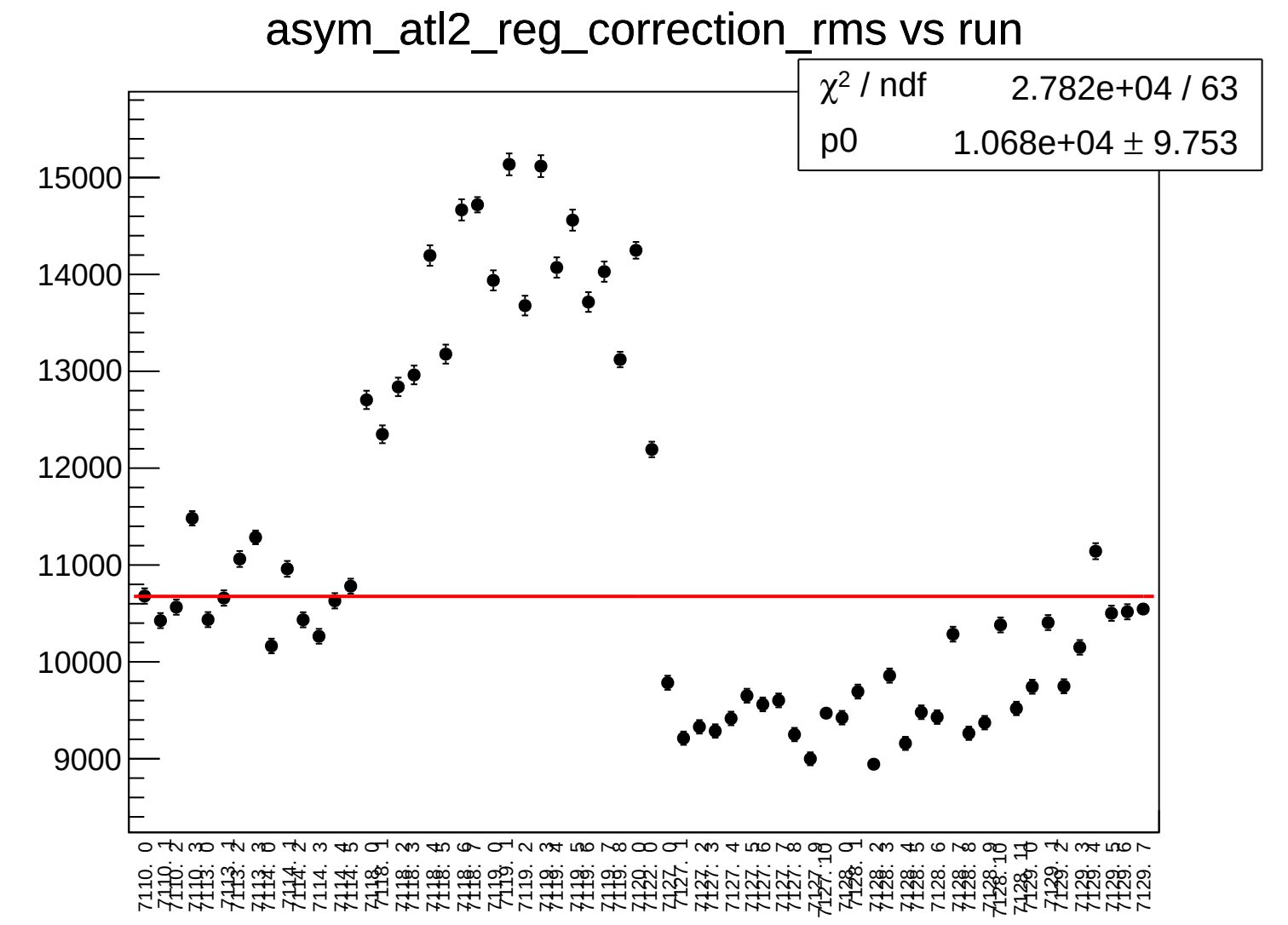

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 44.86 / 63
p0 9014 ± 3265
pull
Entries 64
Mean −231.6
Std Dev 0

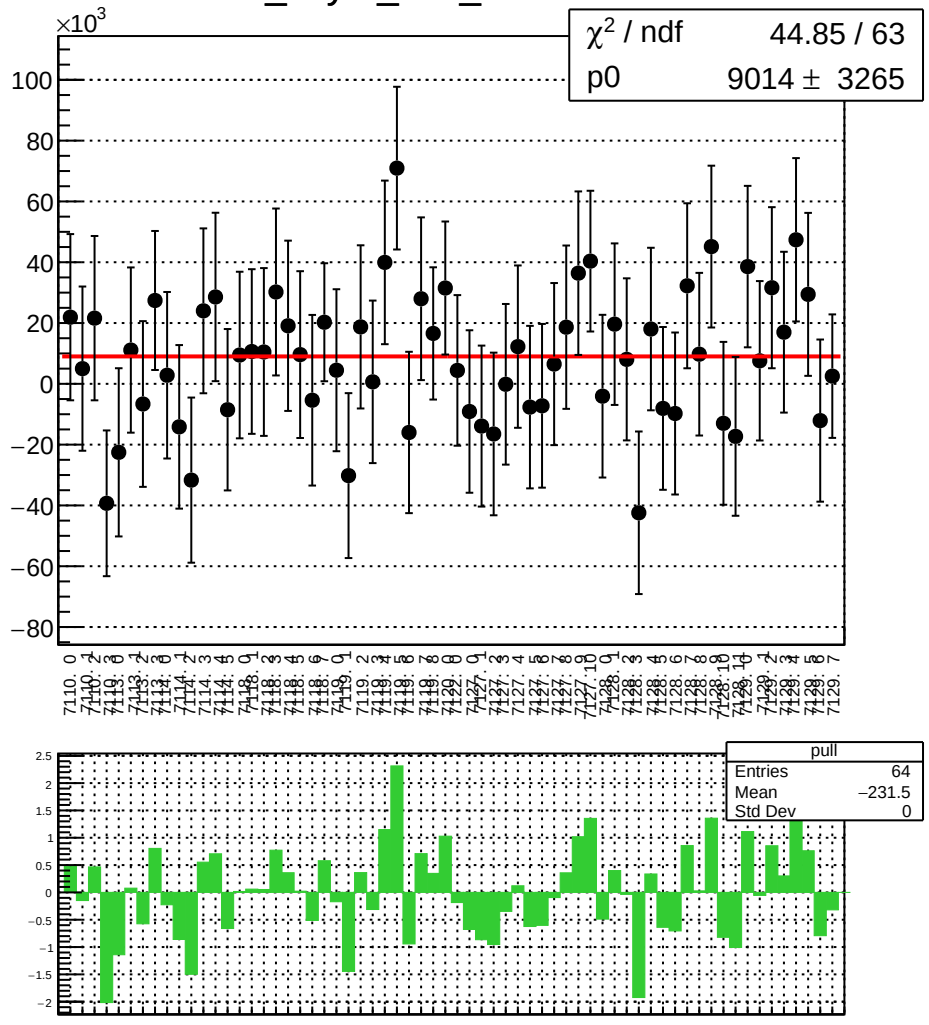

pull1D
Entries 64
Mean −0.007893
Std Dev 0.8371

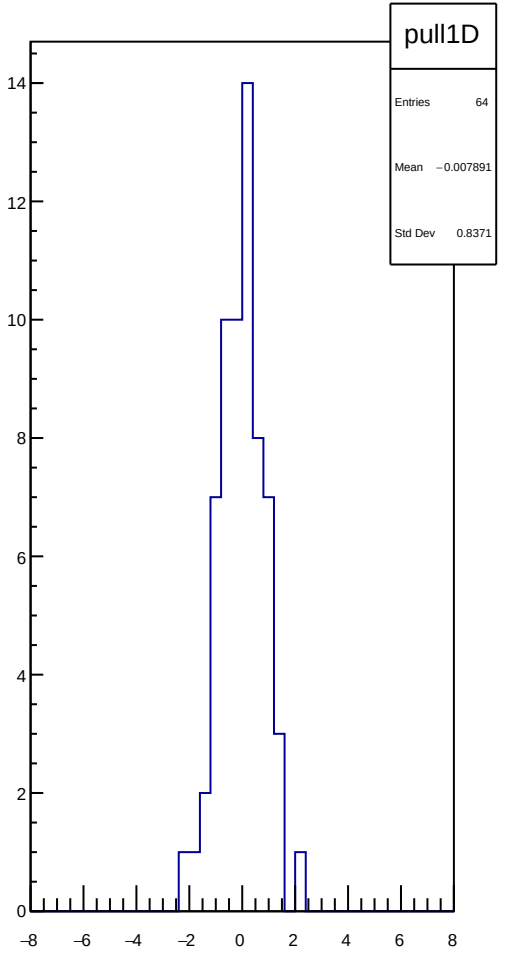

reg_asym_atl2_rms vs run
χ² / ndf 283.3 / 63
p0 2556 ± 2.309
2700
2650
2600
2550
2500
2450

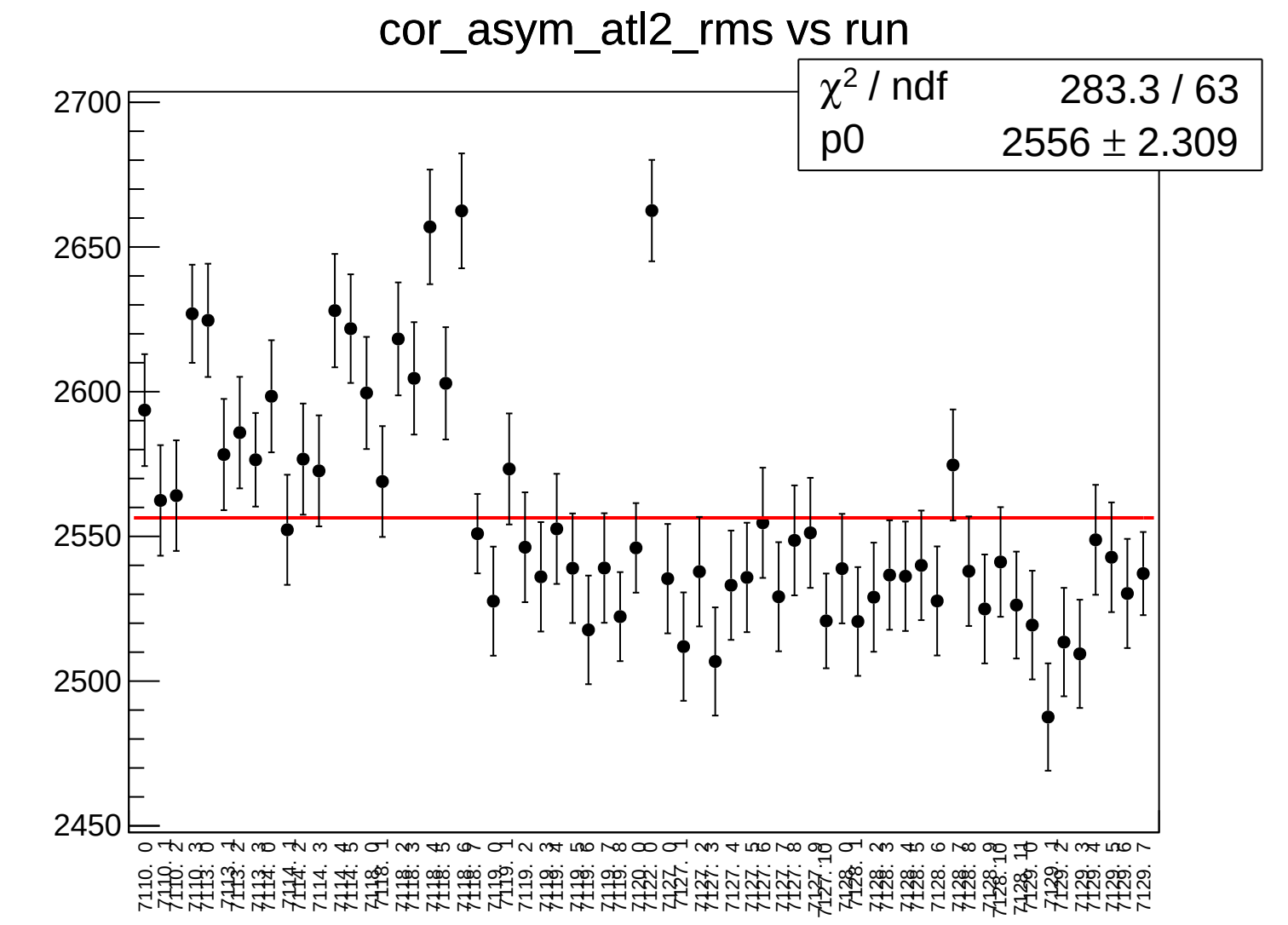

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 54.84 / 63
p0 −6755 ± 1.379e+04
pull
Entries 64
Mean 125
Std Dev 0

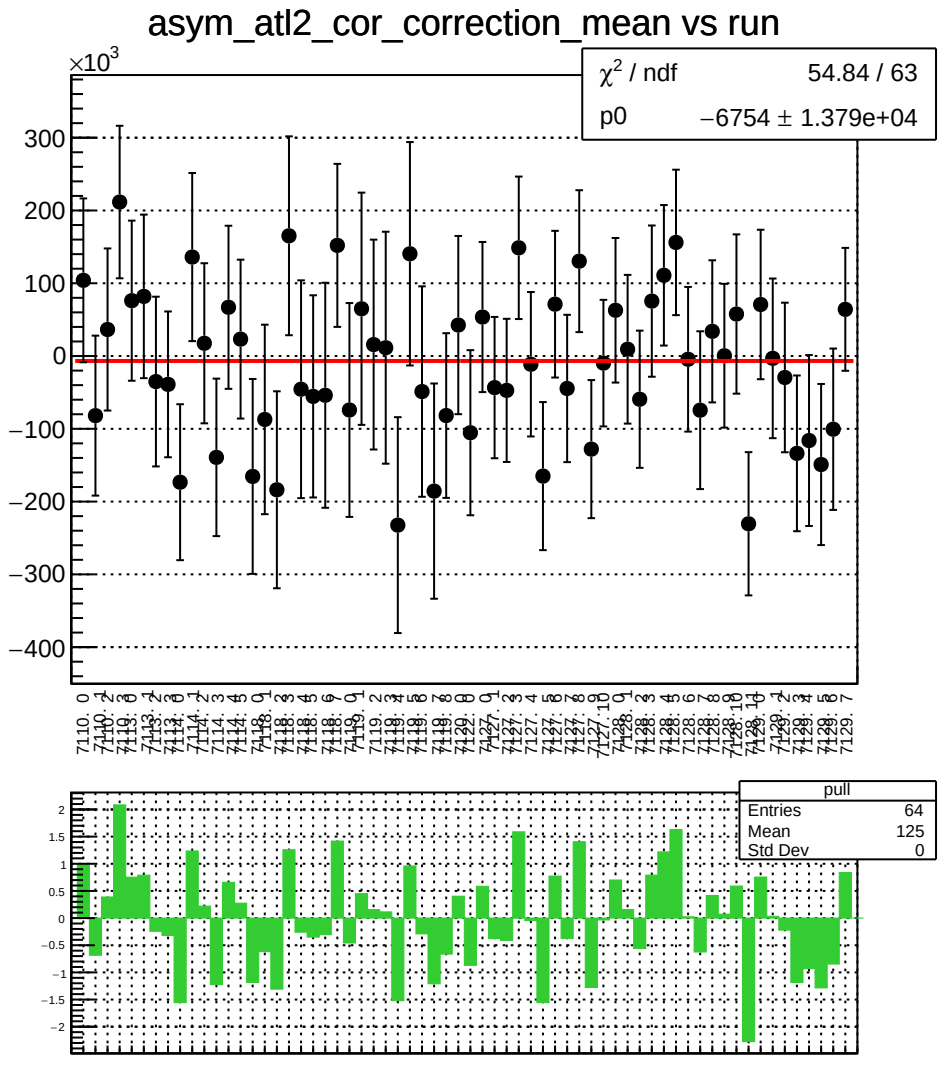

pull1D
Entries 64
Mean −0.0209
Std Dev 0.9255

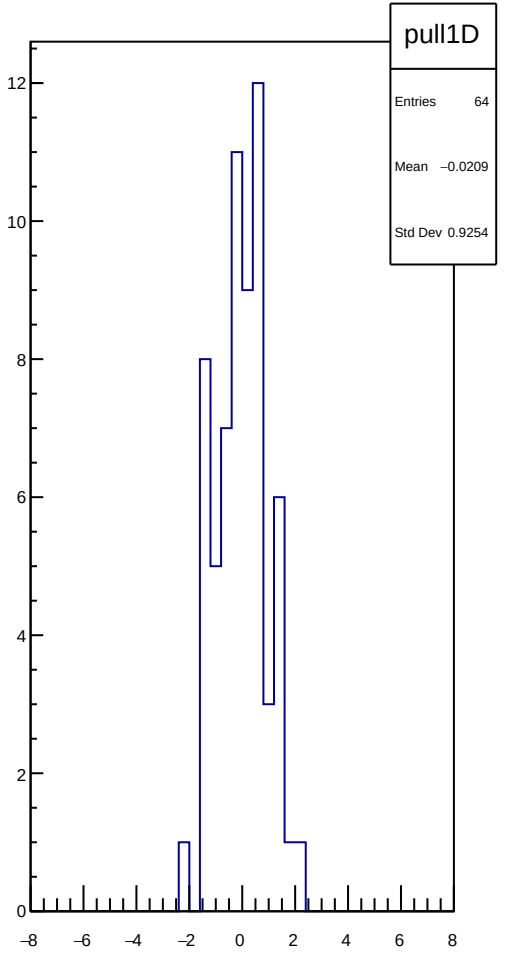

asym_atl2_reg_correction_rms vs run
χ² / ndf 2.782e+04 / 63
p0 1.068e+04 ± 9.753
15000
14000
13000
12000
11000
10000
9000

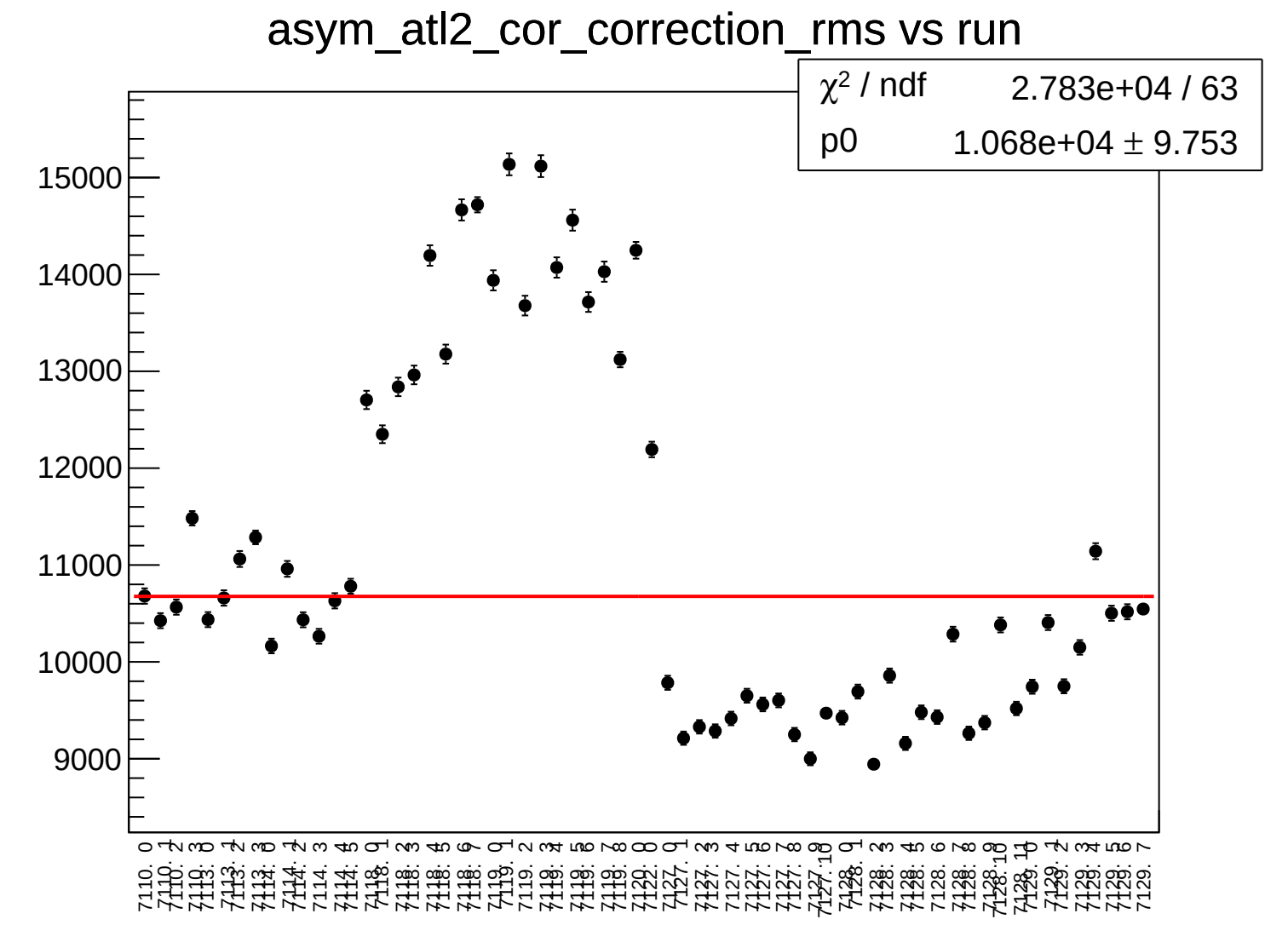

cor_asym_atl2_mean vs run
×10^3
χ^2 / ndf 44.85 / 63
p0 9014 ± 3265
pull
Entries 64
Mean −231.5
Std Dev 0

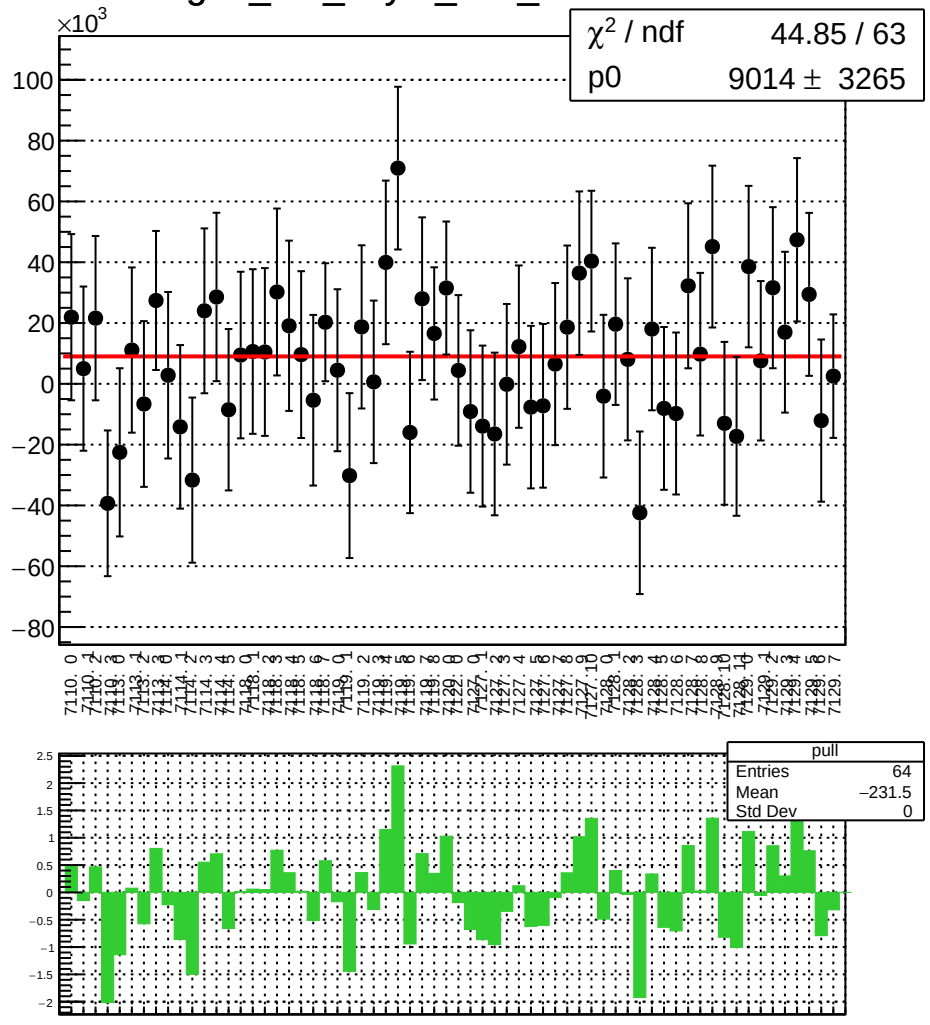

pull1D
Entries 64
Mean −0.007891
Std Dev 0.8371

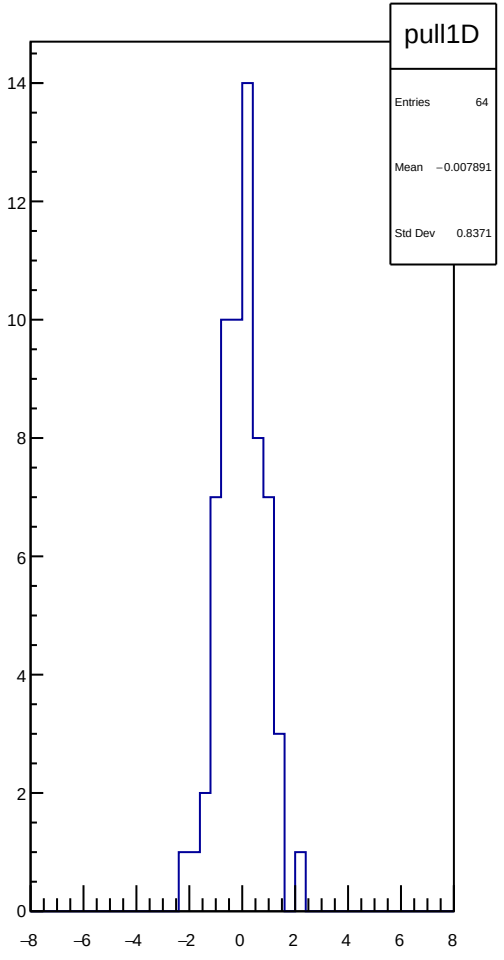

cor_asym_atl2_rms vs run
χ² / ndf 283.3 / 63
p0 2556 ± 2.309
2700
2650
2600
2550
2500
2450

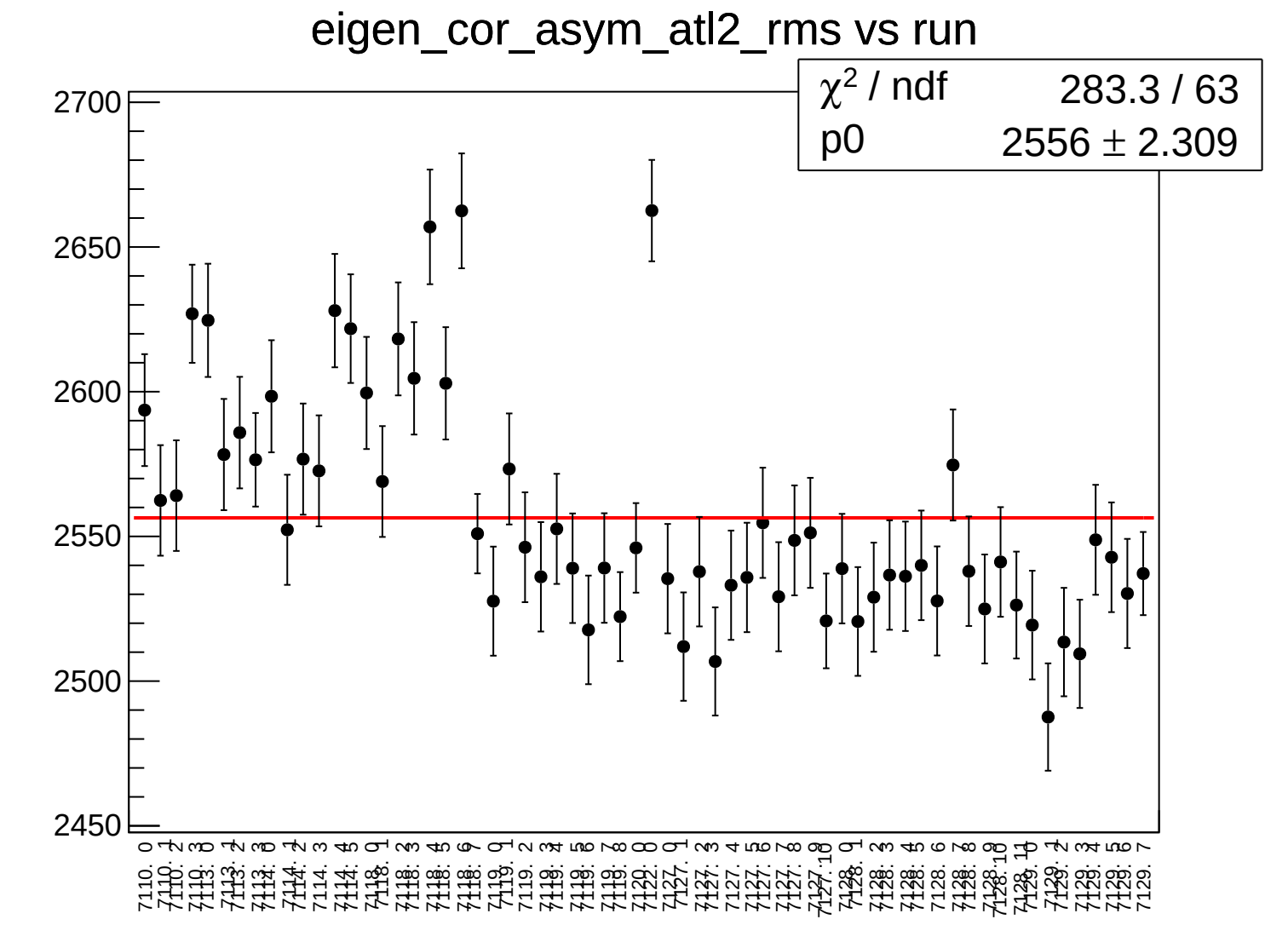

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 54.84 / 63
p0 −6754 ± 1.379e+04
pull
Entries 64
Mean 125
Std Dev 0

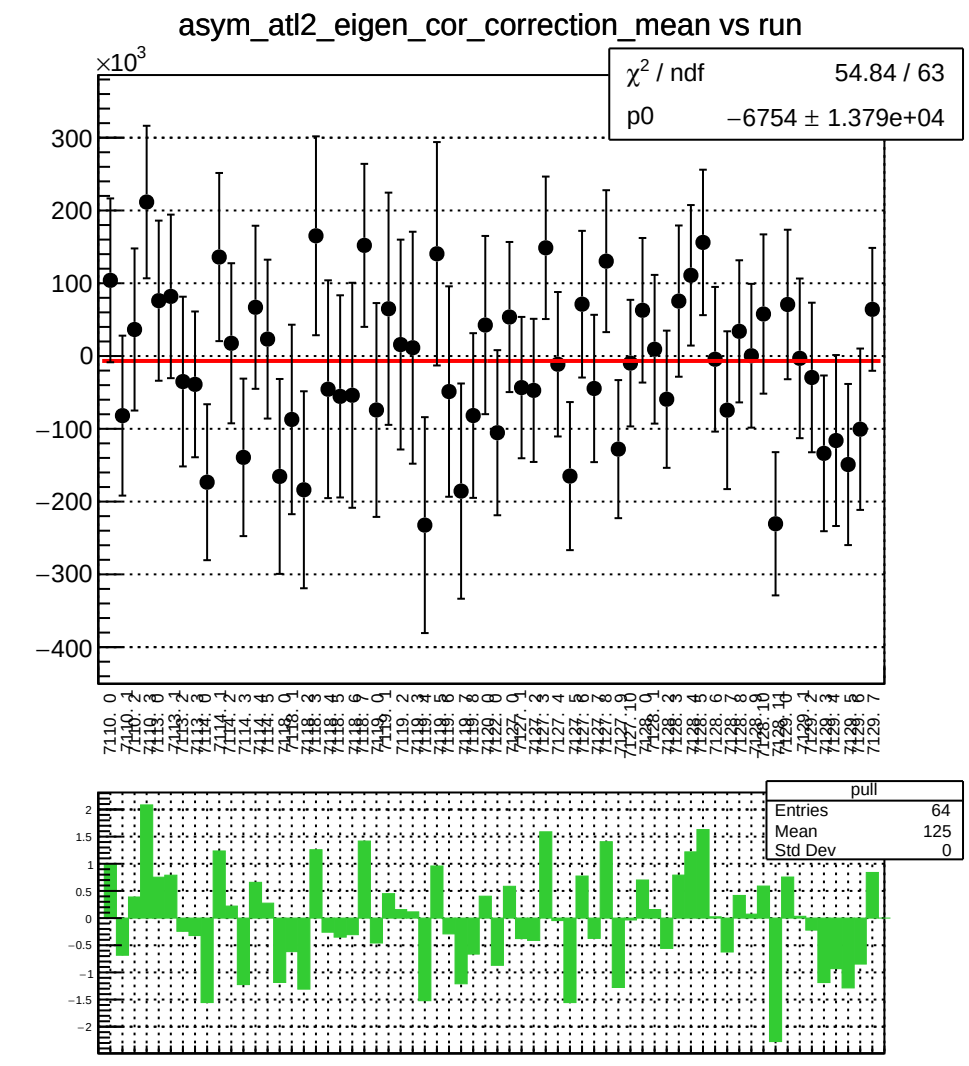

pull1D
Entries 64
Mean −0.0209
Std Dev 0.9254

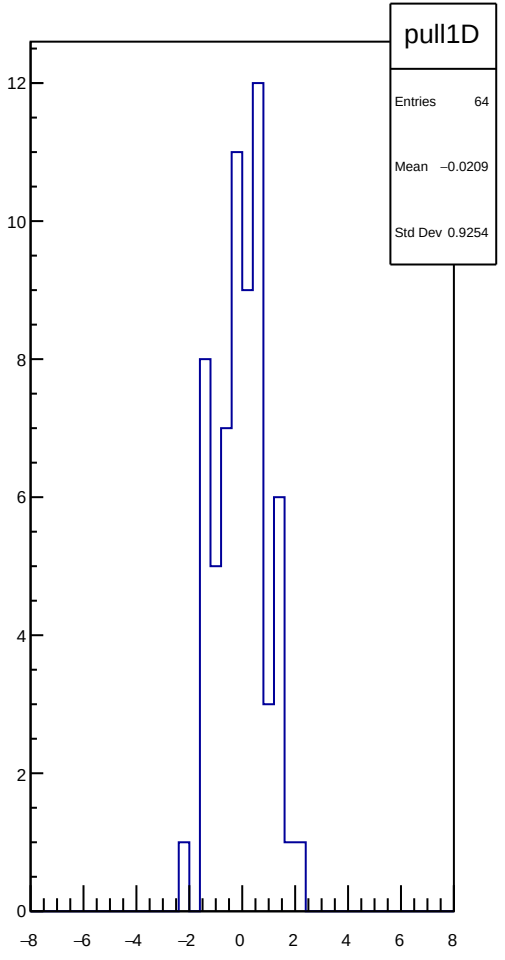

asym_atl2_cor_correction_rms vs run
χ² / ndf 2.783e+04 / 63
p0 1.068e+04 ± 9.753
15000
14000
13000
12000
11000
10000
9000

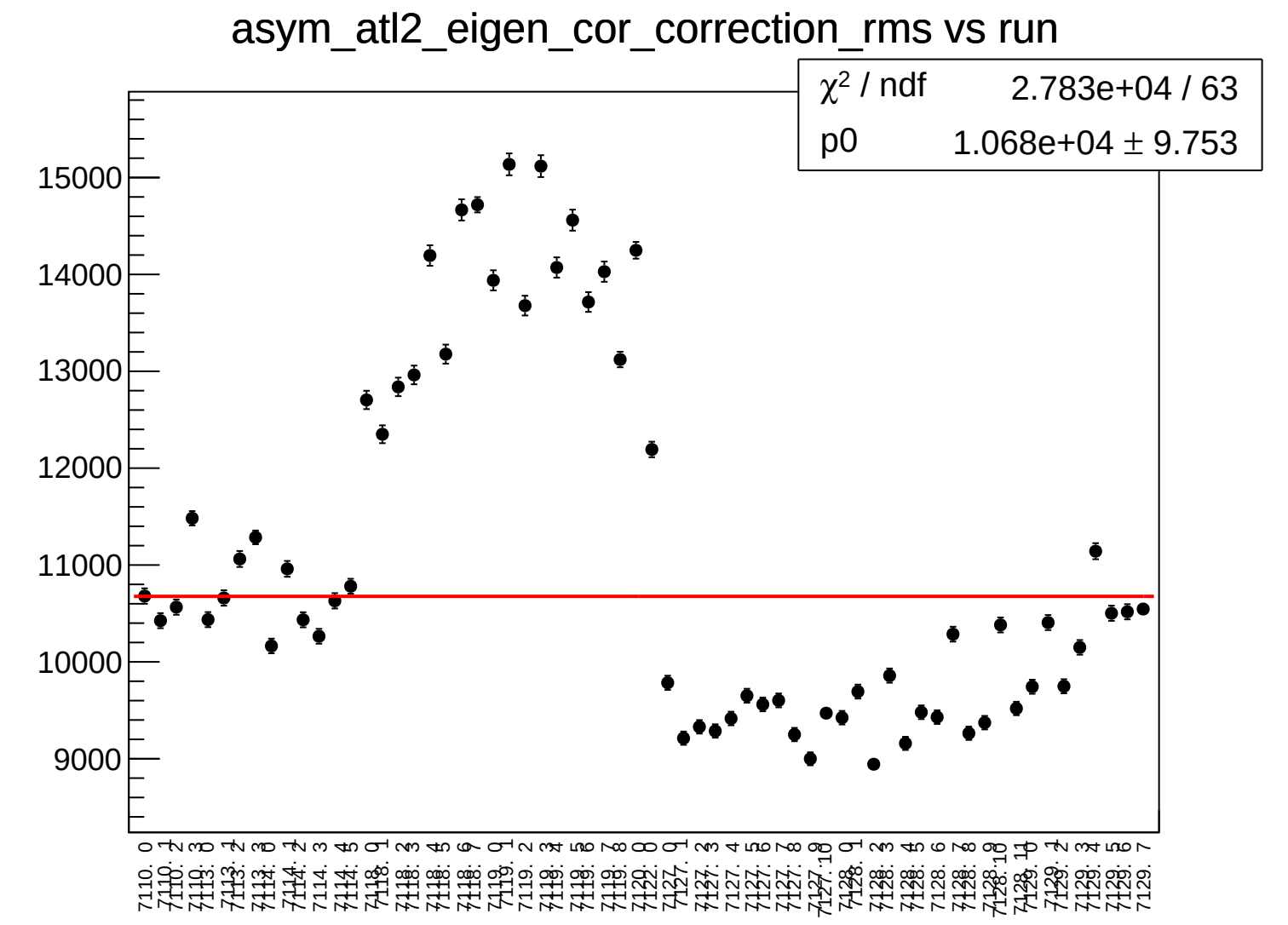

eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 44.85 / 63
p0 9014 ± 3265
pull
Entries 64
Mean −231.5
Std Dev 0

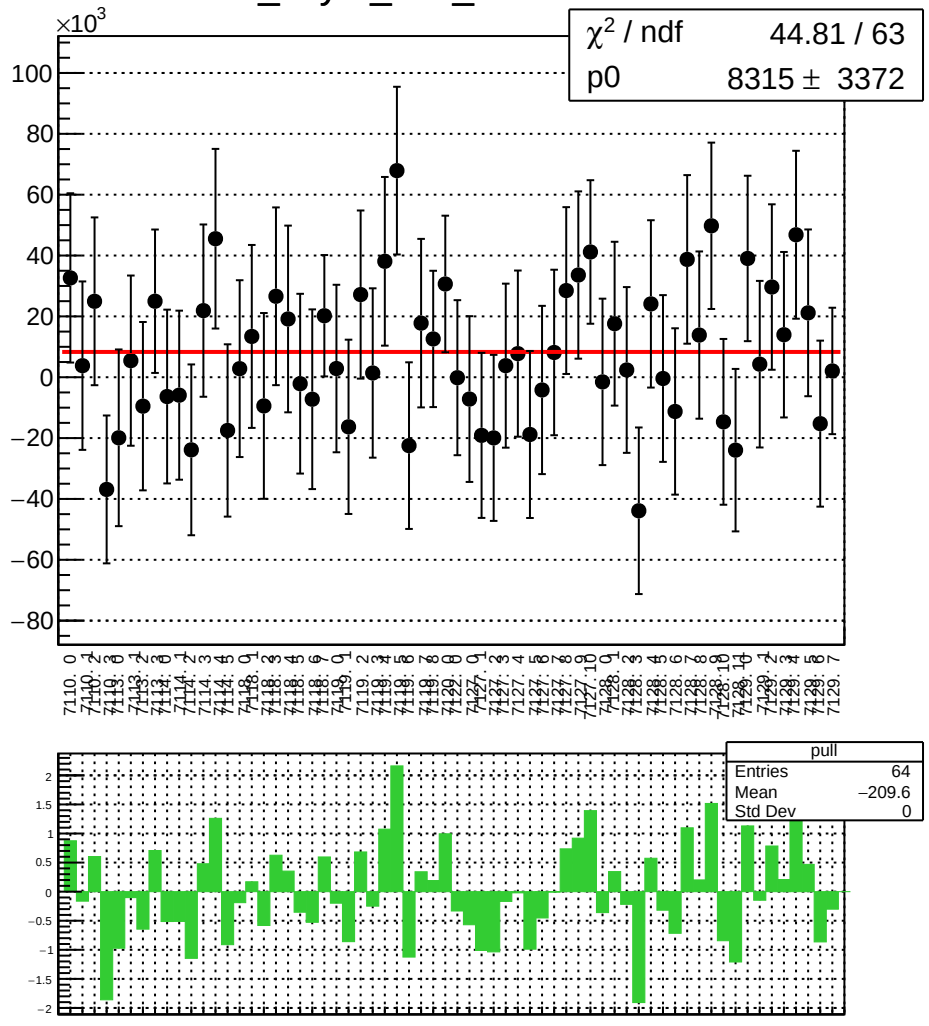

pull1D
Entries 64
Mean −0.007891
Std Dev 0.8371

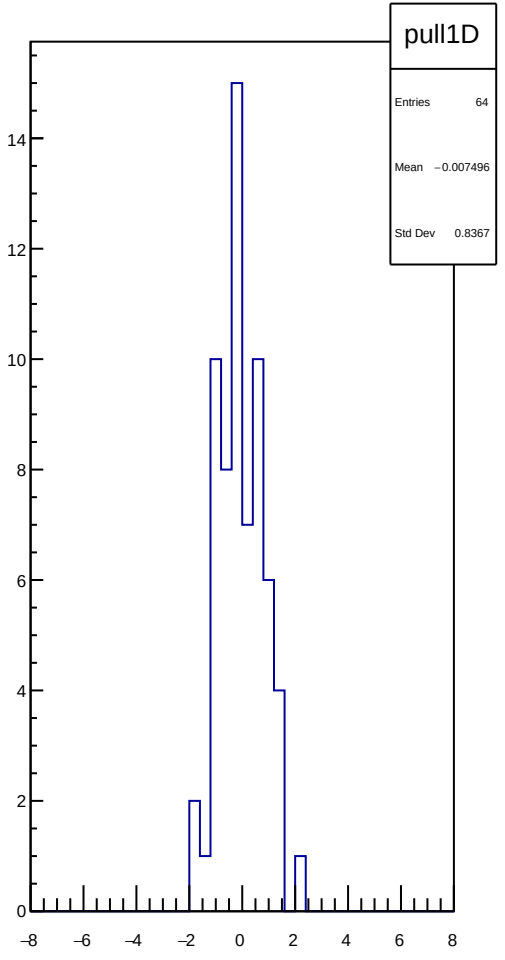

eigen_cor_asym_atl2_rms vs run
χ² / ndf 283.3 / 63
p0 2556 ± 2.309
2700
2650
2600
2550
2500
2450

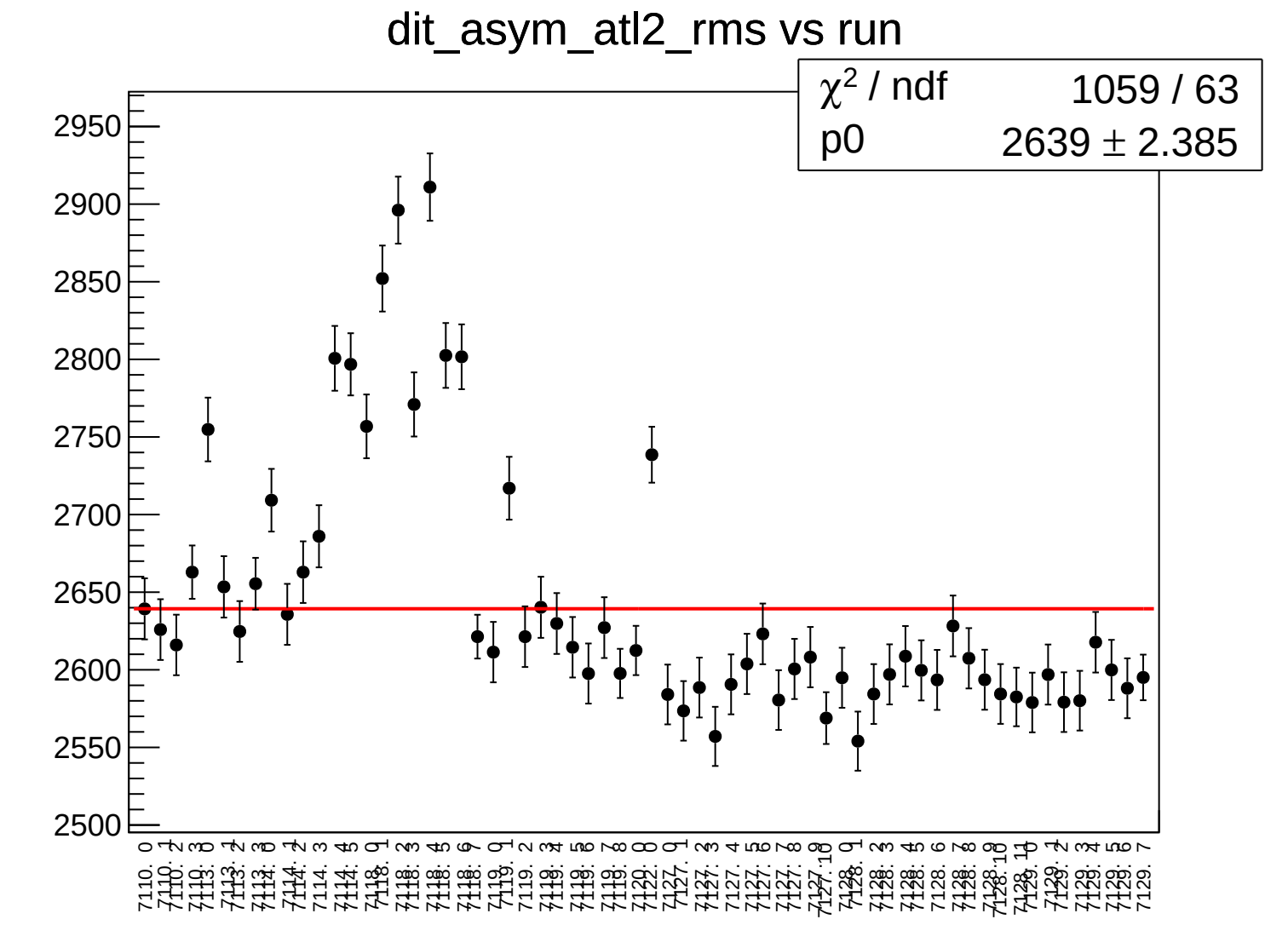

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.84 / 63
p0 −6754 ± 1.379e+04
pull
Entries 64
Mean 125
Std Dev 0

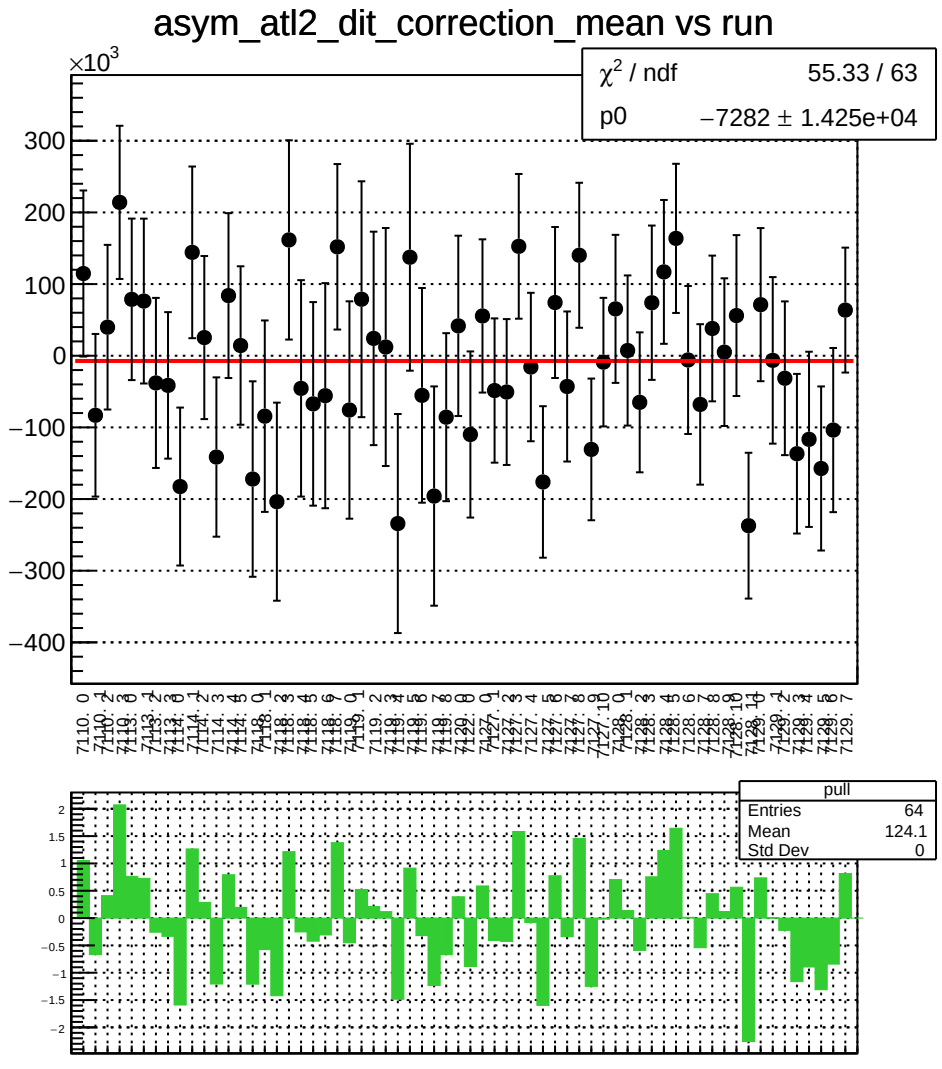

pull1D
Entries 64
Mean −0.0209
Std Dev 0.9254

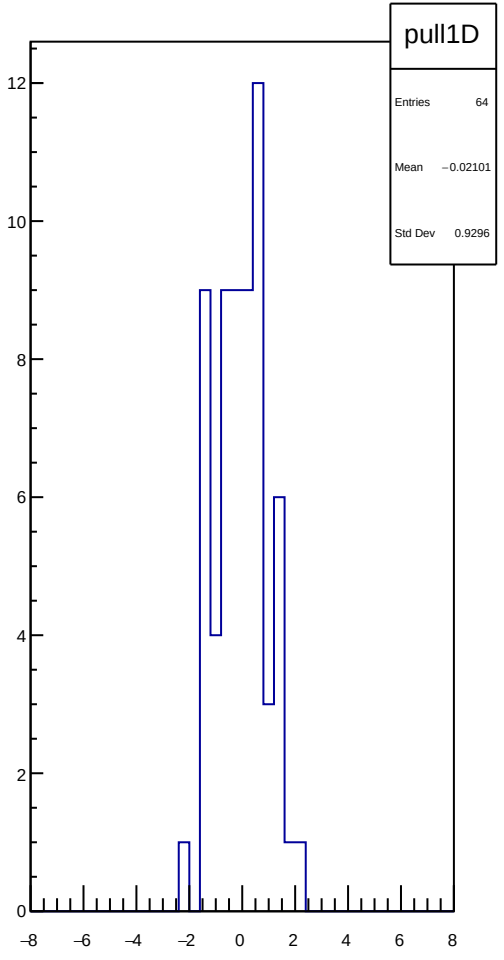

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 2.783e+04 / 63
p0 1.068e+04 ± 9.753
15000
14000
13000
12000
11000
10000
9000

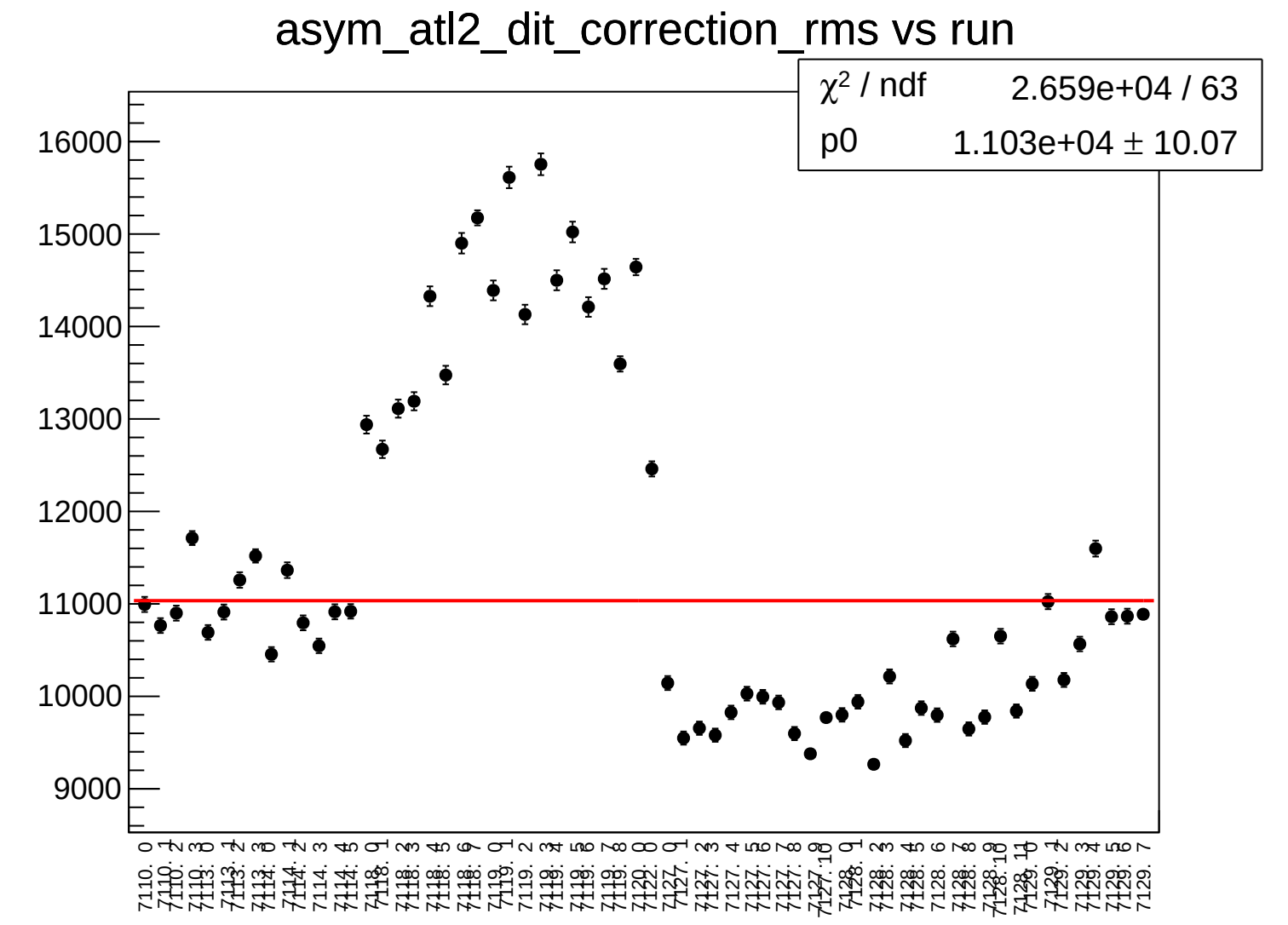

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 44.81 / 63
p0 8315 ± 3372
pull
Entries 64
Mean −209.6
Std Dev 0

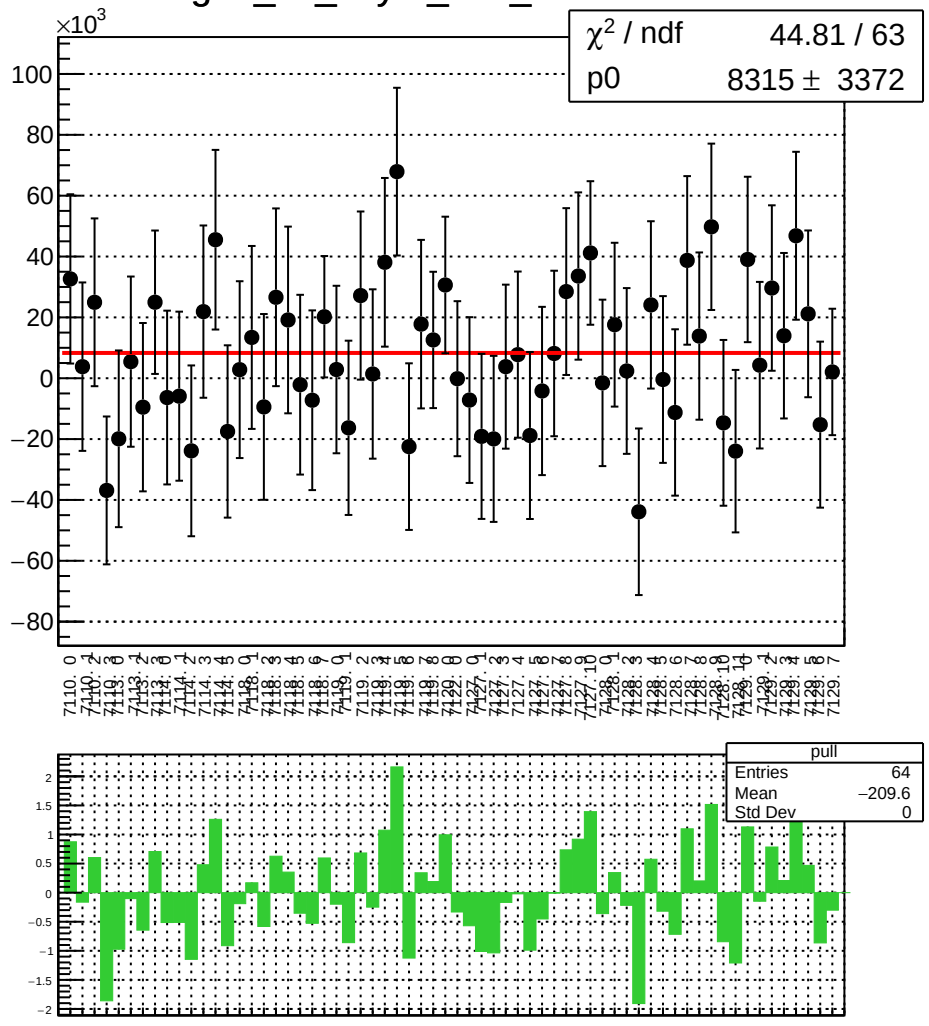

pull1D
Entries 64
Mean −0.007496
Std Dev 0.8367

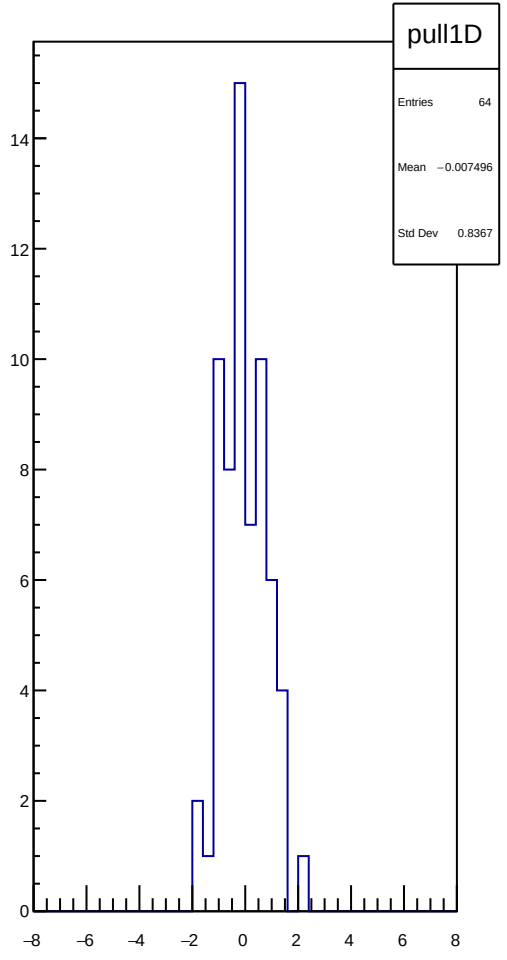

dit_asym_atl2_rms vs run
χ² / ndf 1059 / 63
p0 2639 ± 2.385
2950
2900
2850
2800
2750
2700
2650
2600
2550
2500

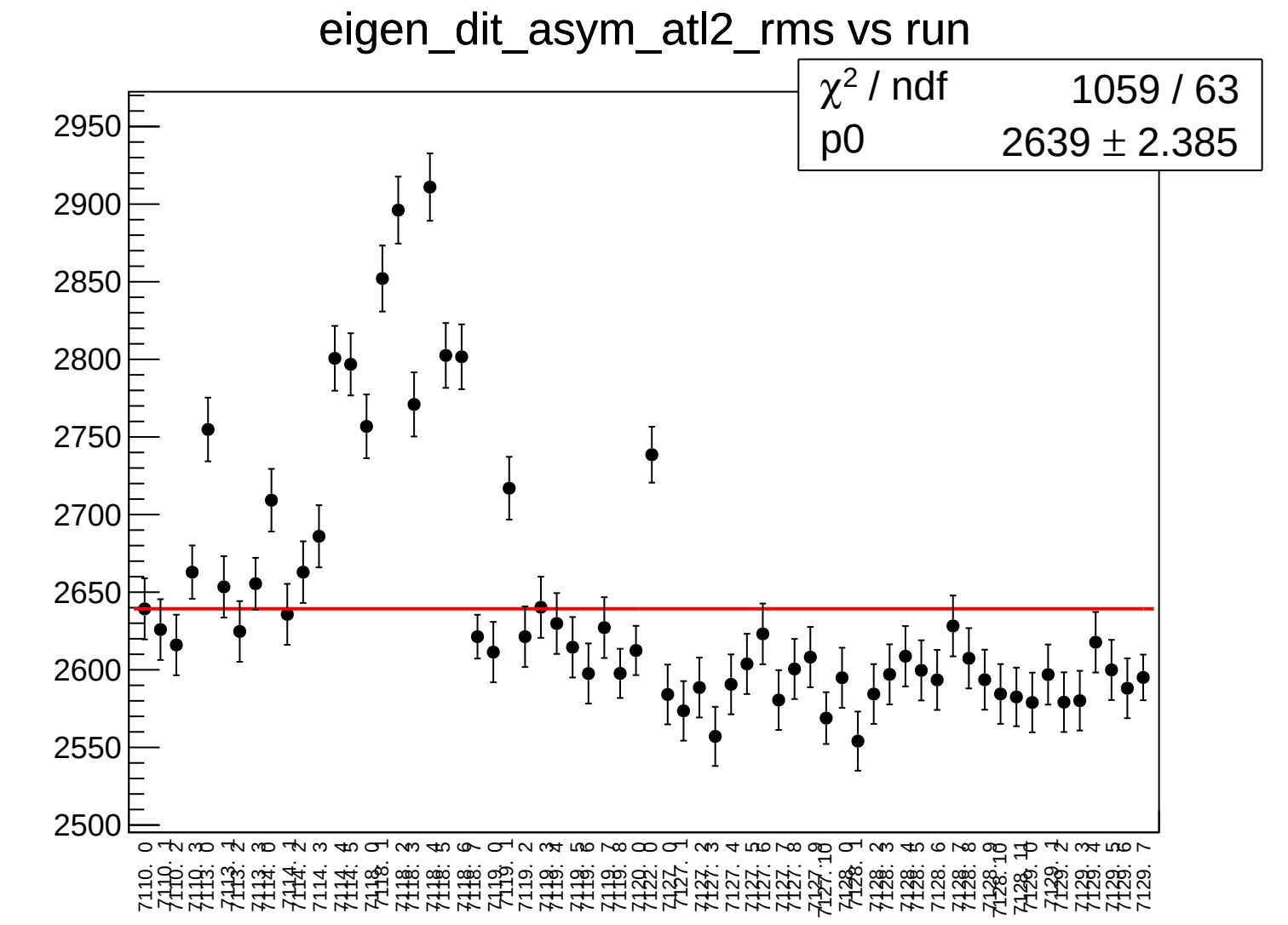

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 55.33 / 63
p0 −7282 ± 1.425e+04
pull
Entries 64
Mean 124.1
Std Dev 0

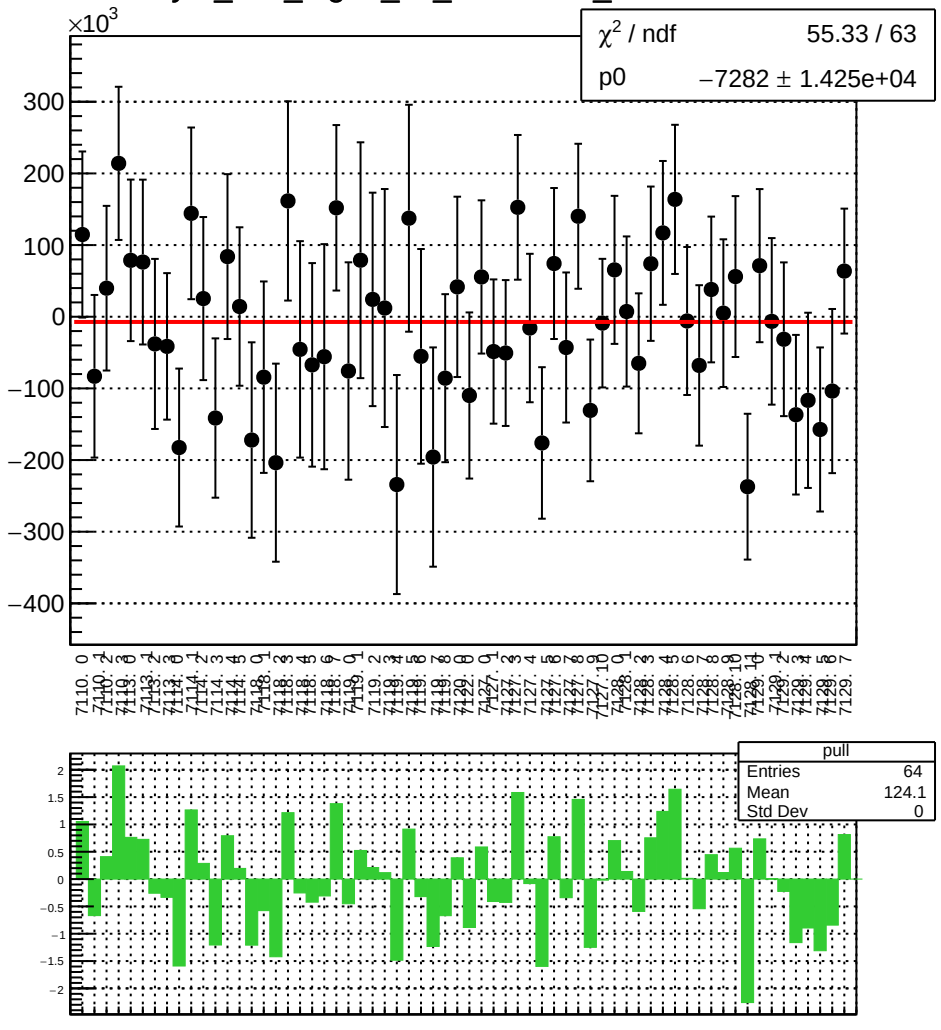

pull1D
Entries 64
Mean −0.02101
Std Dev 0.9296

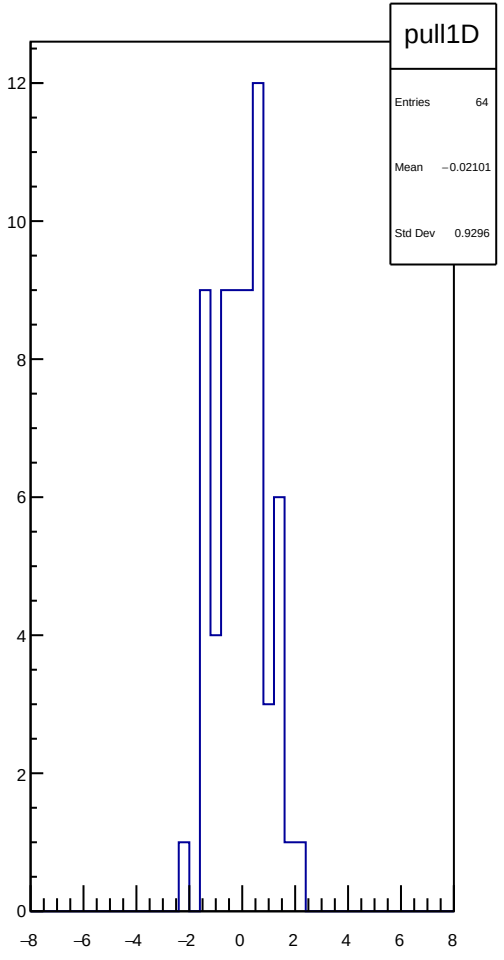

asym_atl2_dit_correction_rms vs run
χ² / ndf 2.659e+04 / 63
p0 1.103e+04 ± 10.07
16000
15000
14000
13000
12000
11000
10000
9000

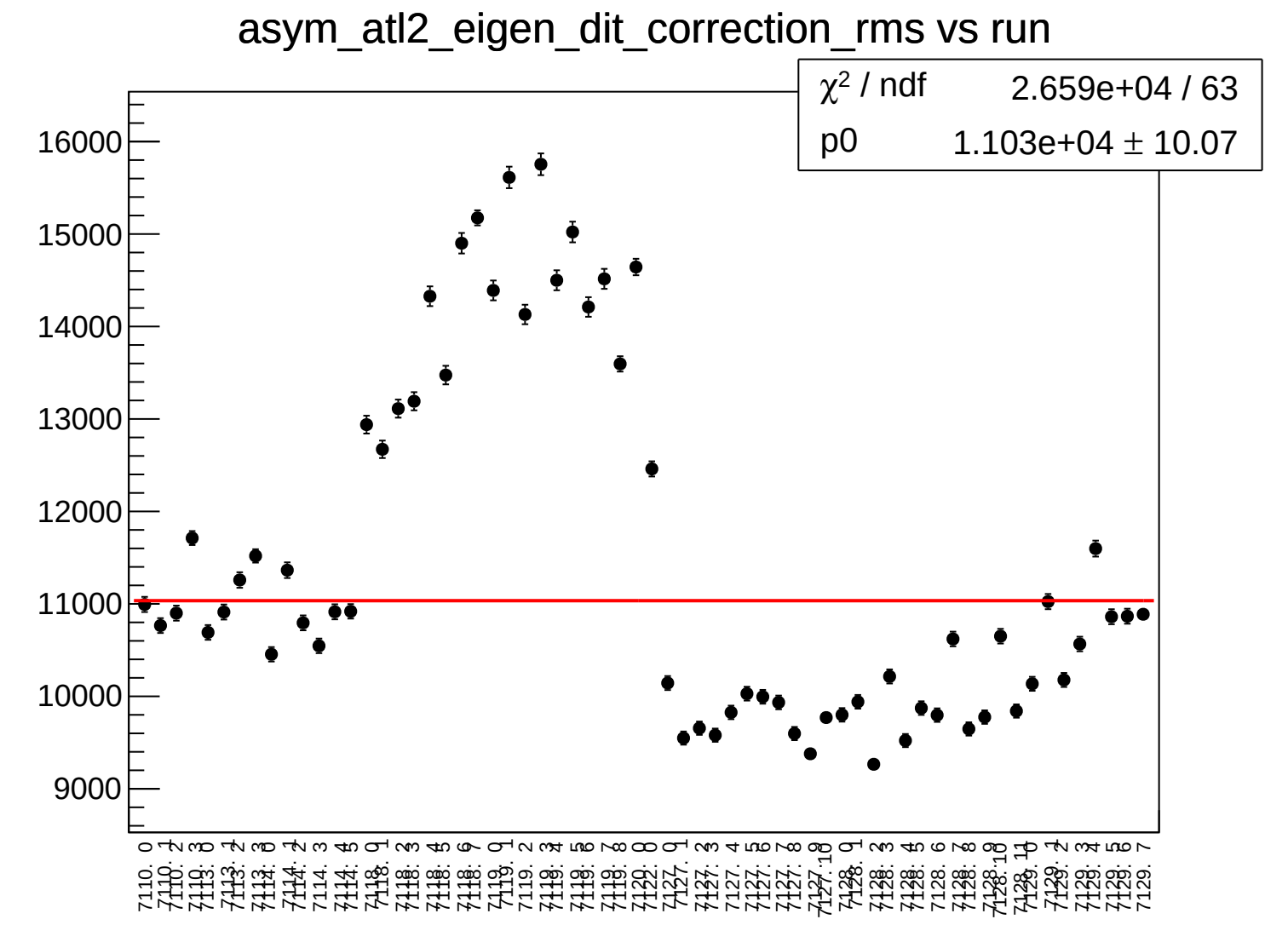

eigen_dit_asym_atl2_mean vs run
×10^3
χ² / ndf 44.81 / 63
p0 8315 ± 3372
pull
Entries 64
Mean −209.6
Std Dev 0

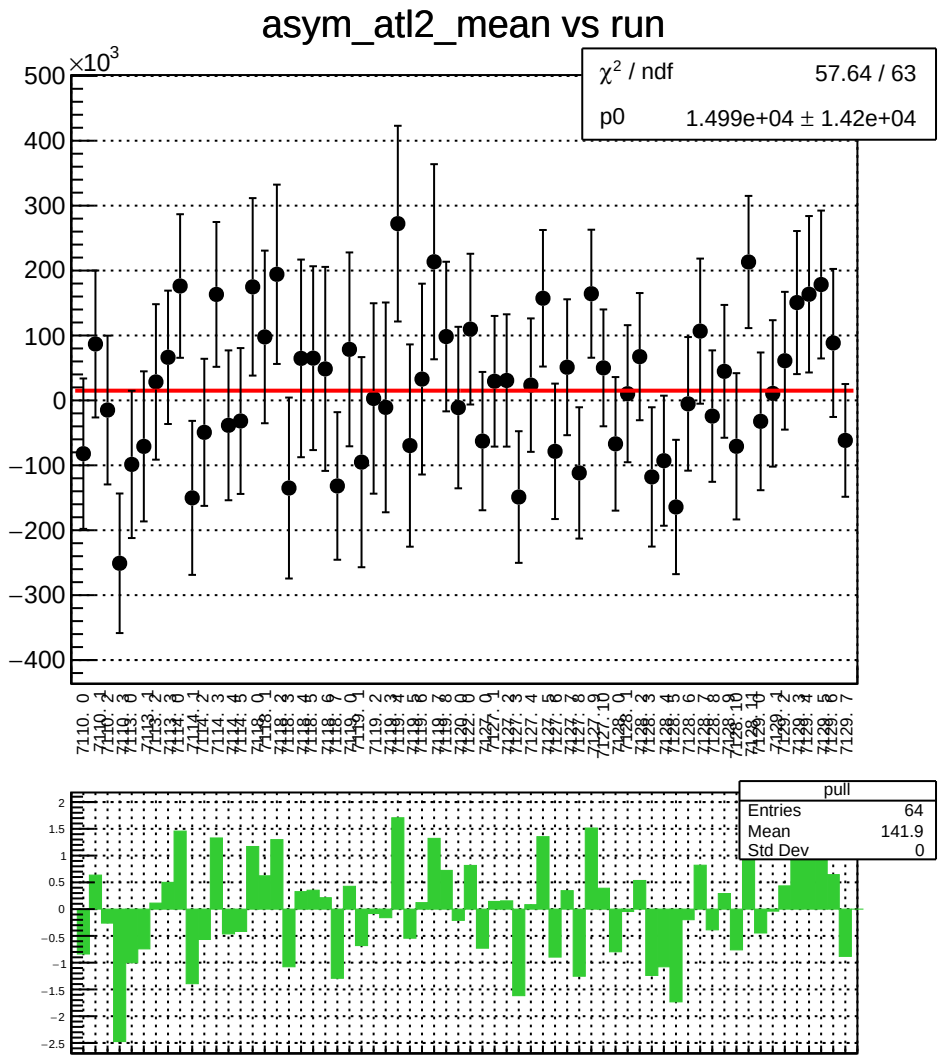

pull1D
Entries 64
Mean −0.007496
Std Dev 0.8367

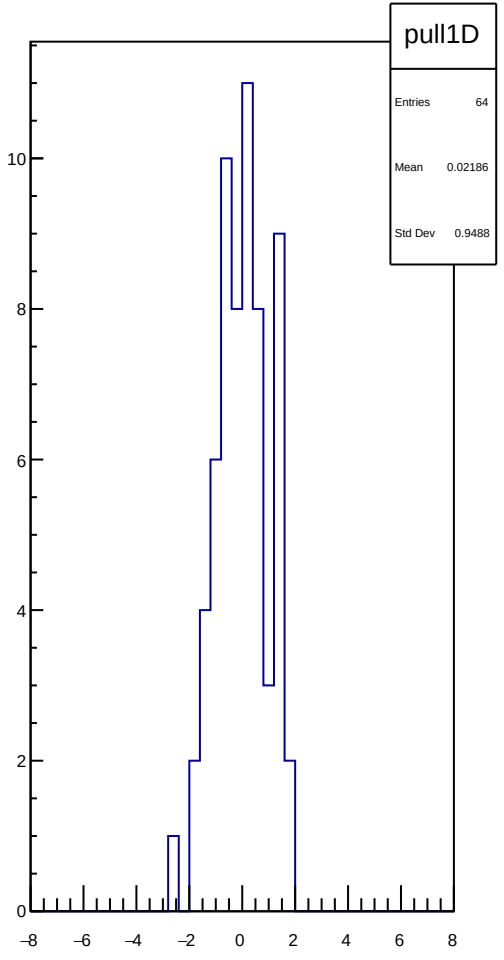

eigen_dit_asym_atl2_rms vs run
χ^2 / ndf 1059 / 63
p0 2639 ± 2.385
2950
2900
2850
2800
2750
2700
2650
2600
2550
2500

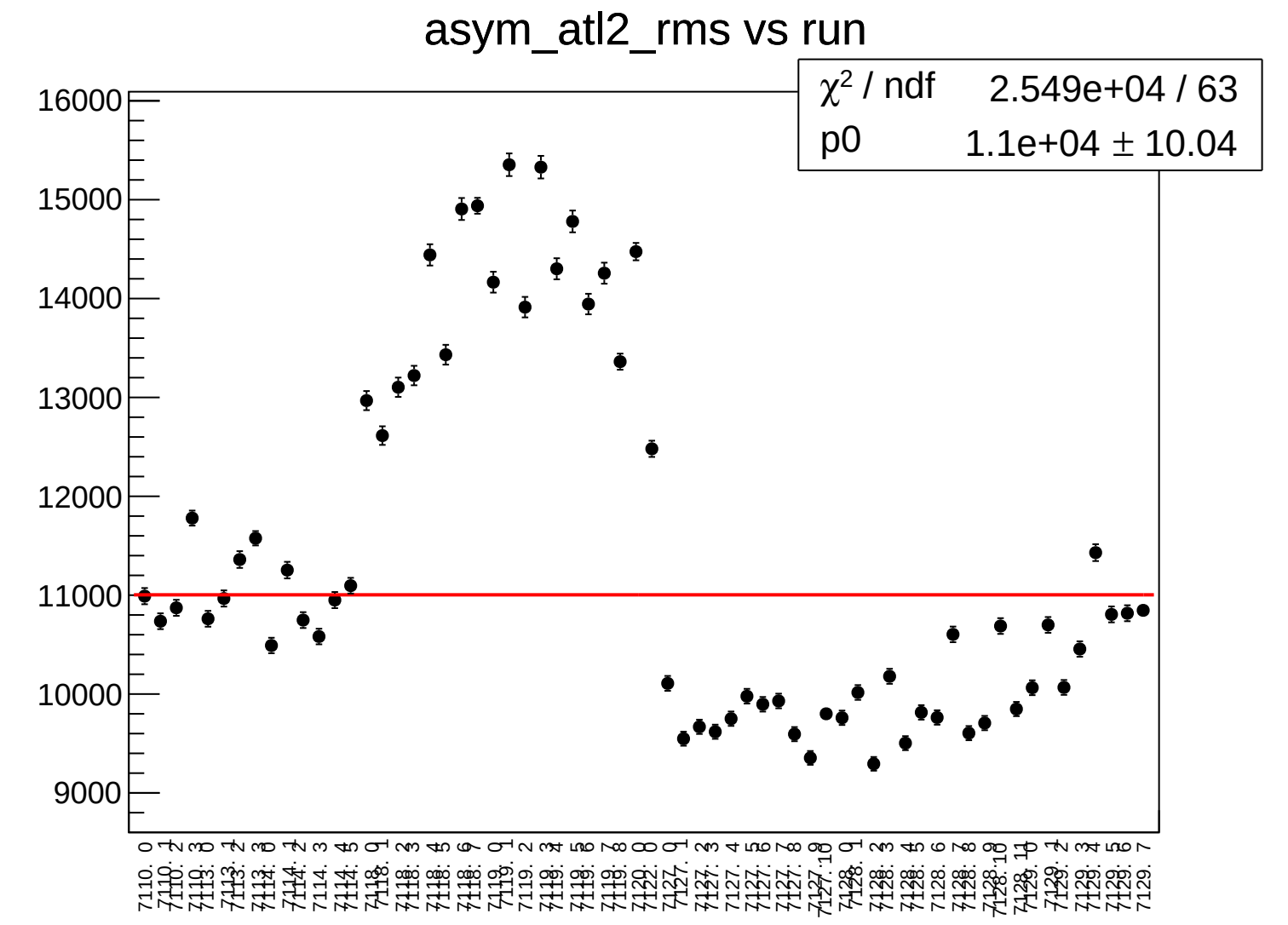

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.33 / 63
p0 −7282 ± 1.425e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 64
Mean 124.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

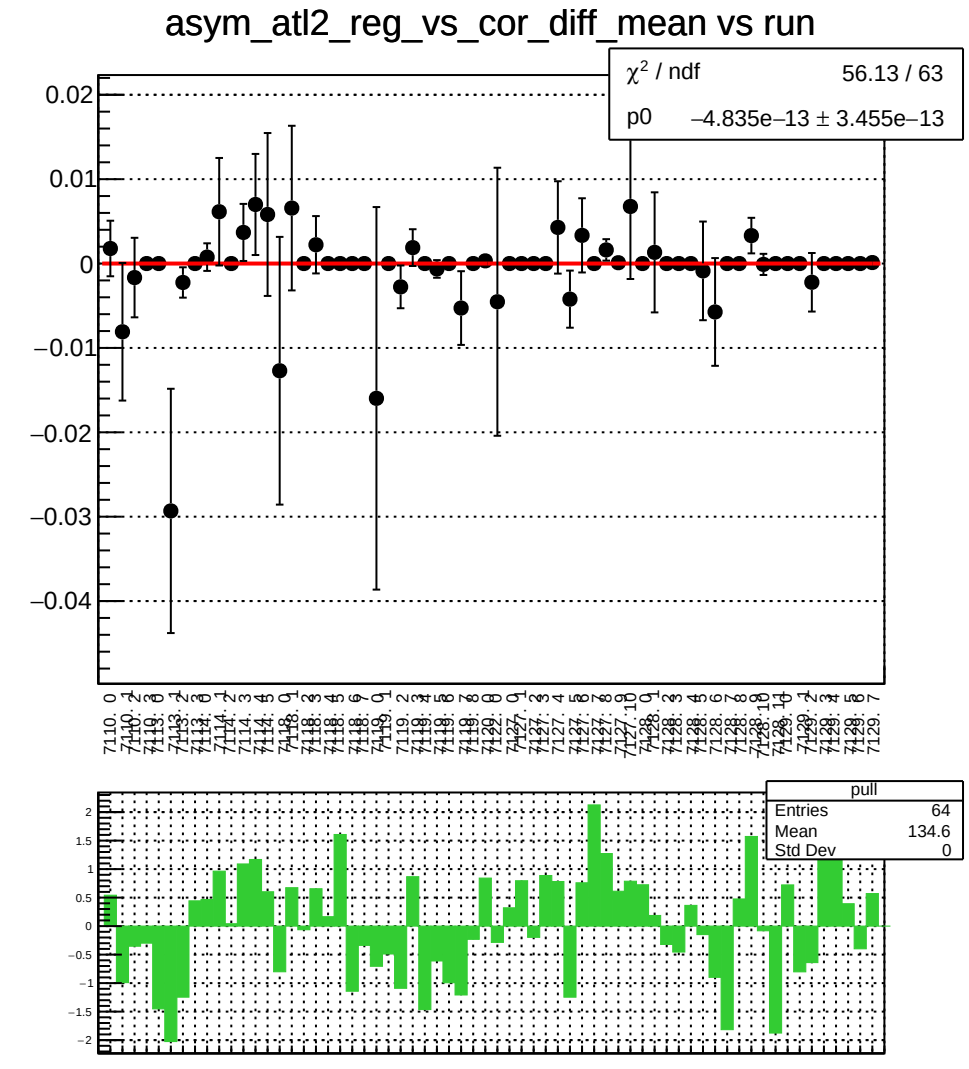

pull1D
Entries 64
Mean −0.02101
Std Dev 0.9296
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

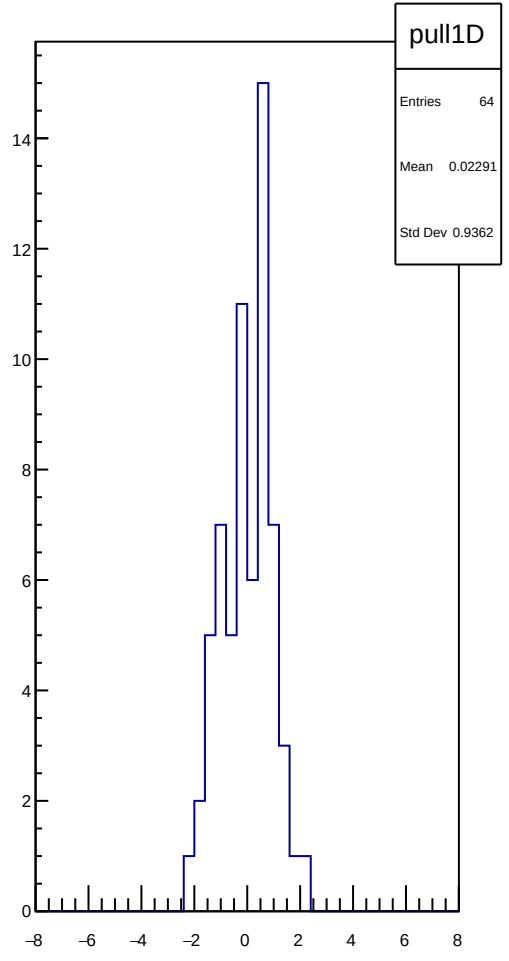

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 2.659e+04 / 63
p0 1.103e+04 ± 10.07
16000
15000
14000
13000
12000
11000
10000
9000

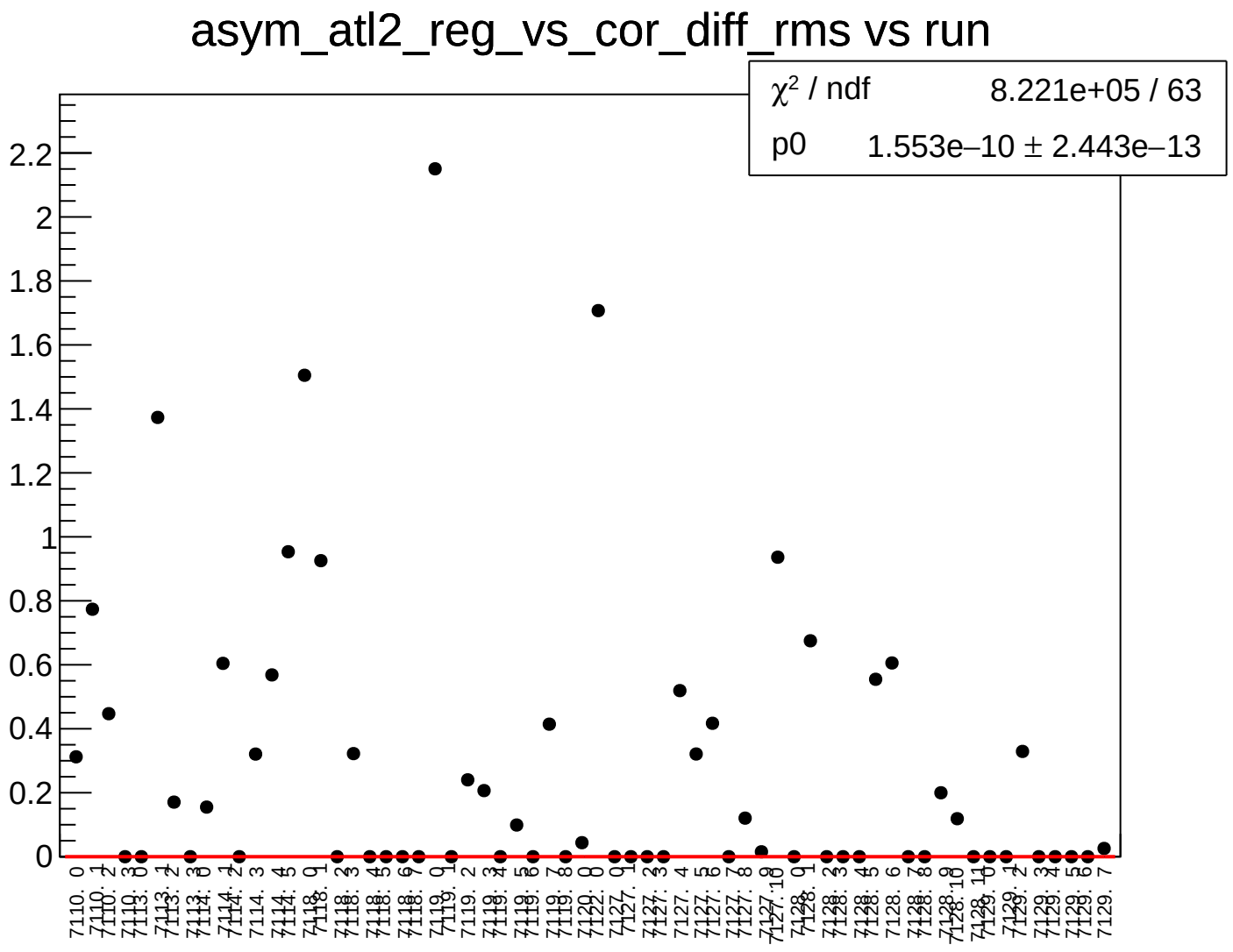

asym_atl2_mean vs run
×10^3
χ² / ndf 57.64 / 63
p0 1.499e+04 ± 1.42e+04
pull
Entries 64
Mean 141.9
Std Dev 0

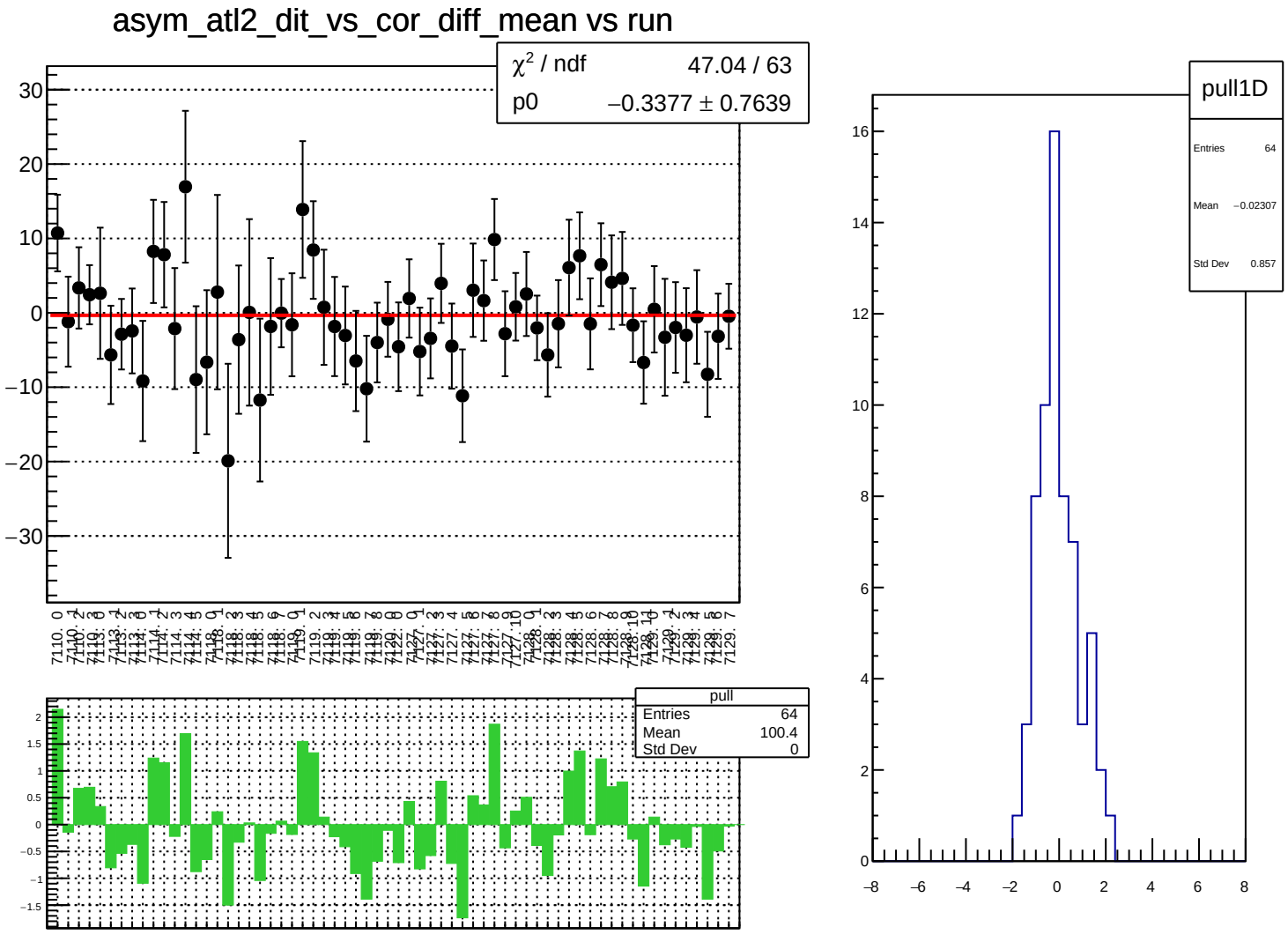

pull1D
Entries 64
Mean 0.02186
Std Dev 0.9488

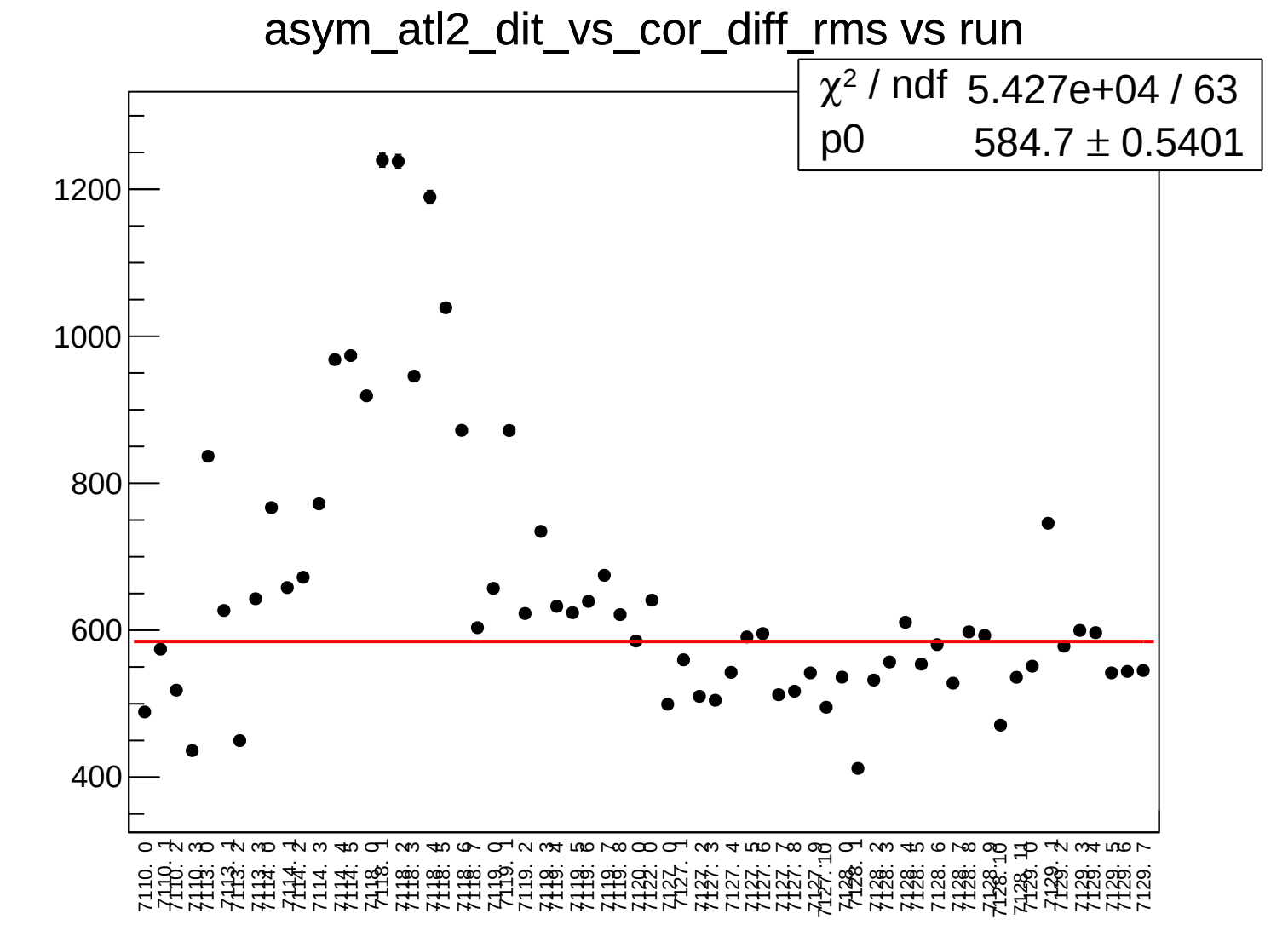

asym_atl2_rms vs run
χ² / ndf 2.549e+04 / 63
p0 1.1e+04 ± 10.04
16000
15000
14000
13000
12000
11000
10000
9000

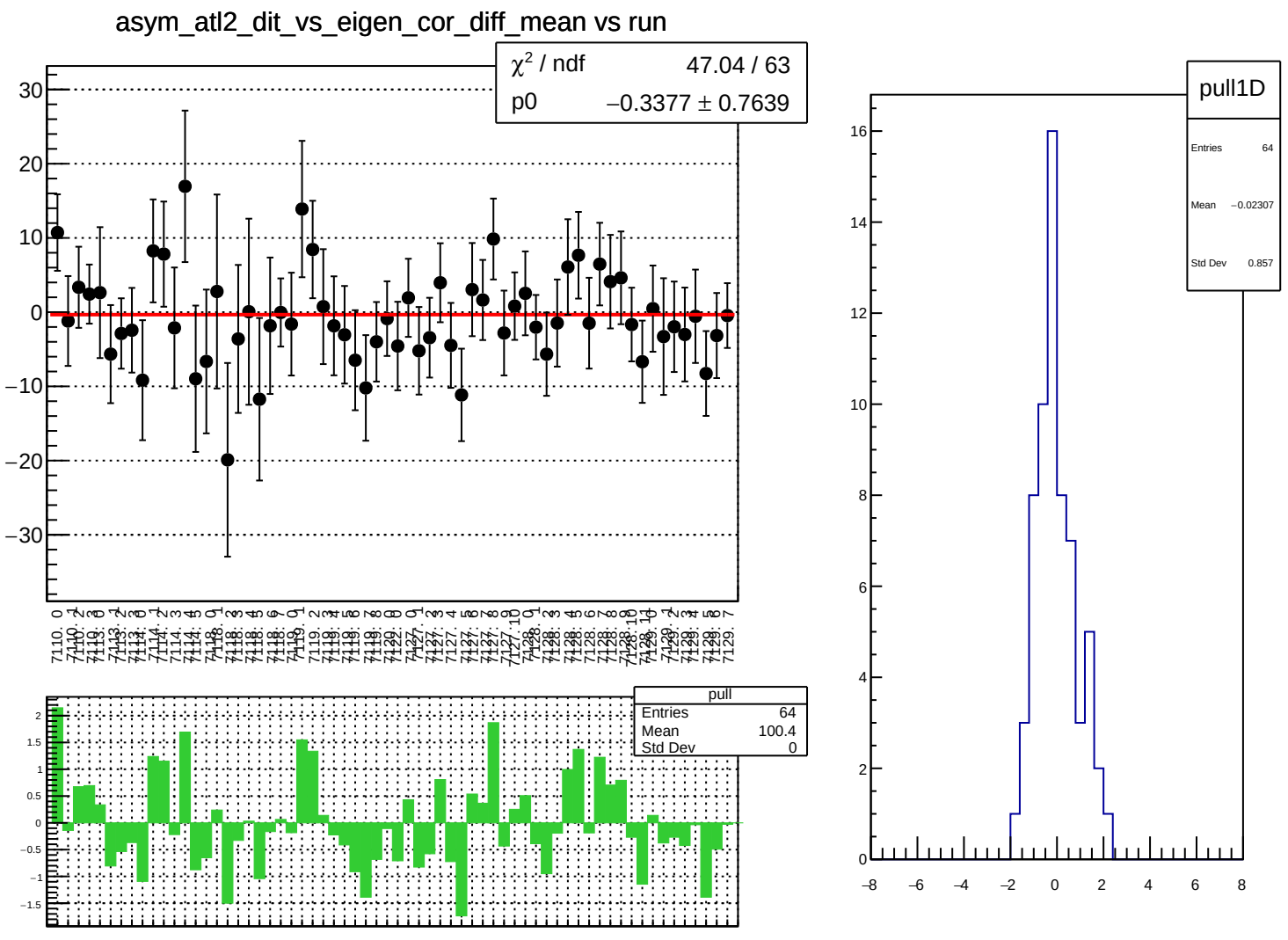

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 56.13 / 63
p0 −4.835e−13 ± 3.455e−13
pull
Entries 64
Mean 134.6
Std Dev 0

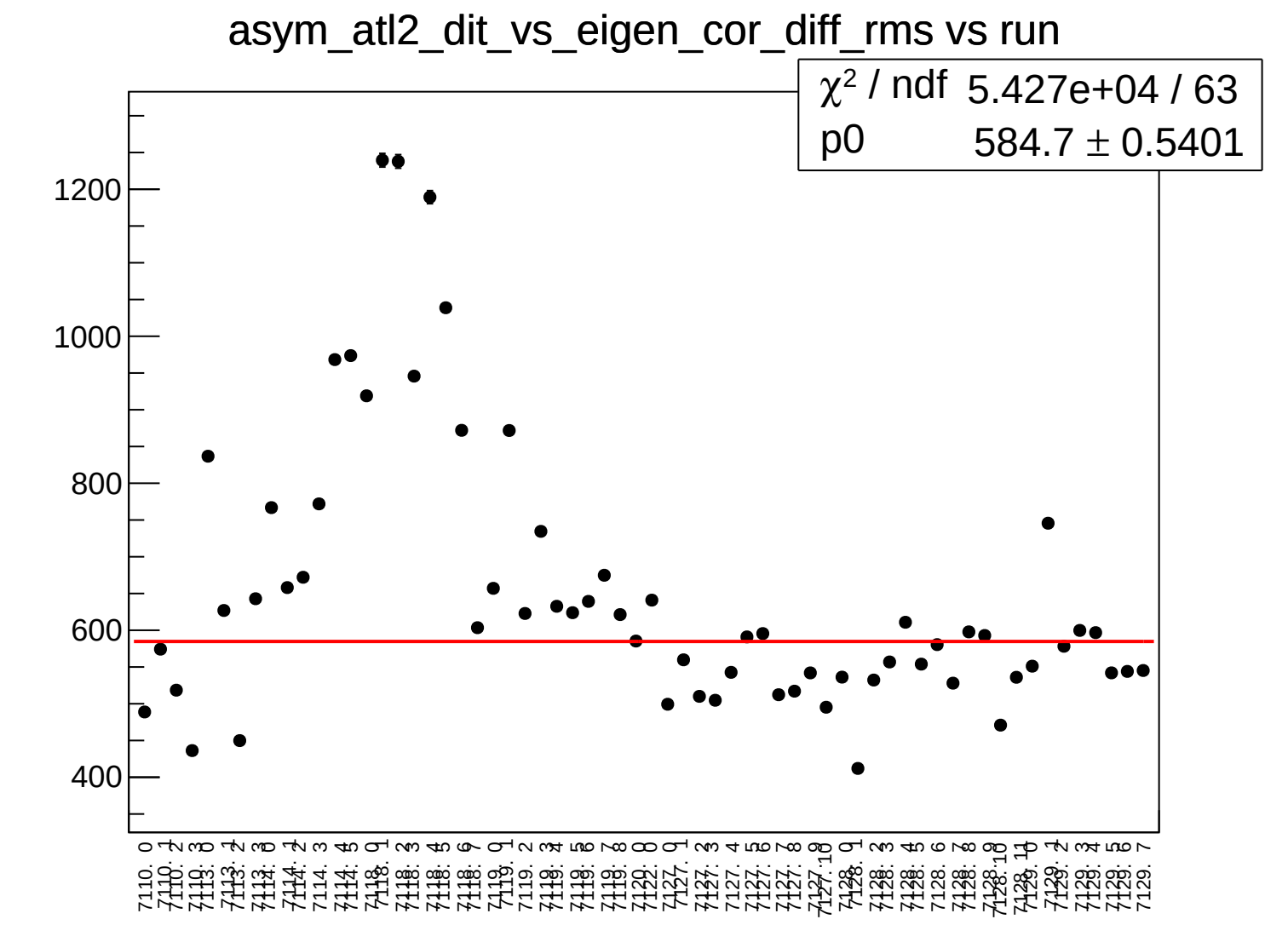

pull1D
Entries 64
Mean 0.02291
Std Dev 0.9362

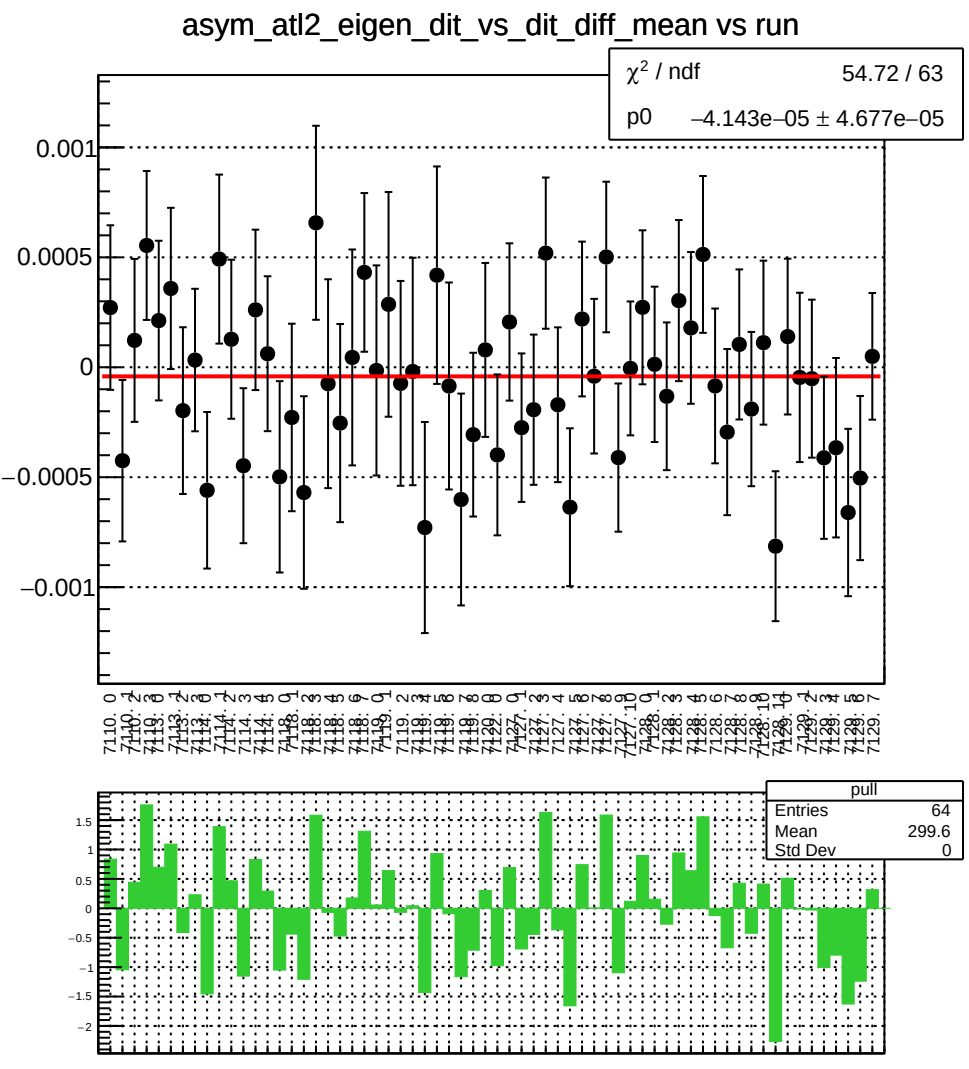

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.221e+05 / 63
p0 1.553e−10 ± 2.443e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7110. 3
7110. 4
7113. 1
7113. 2
7113. 3
7113. 4
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

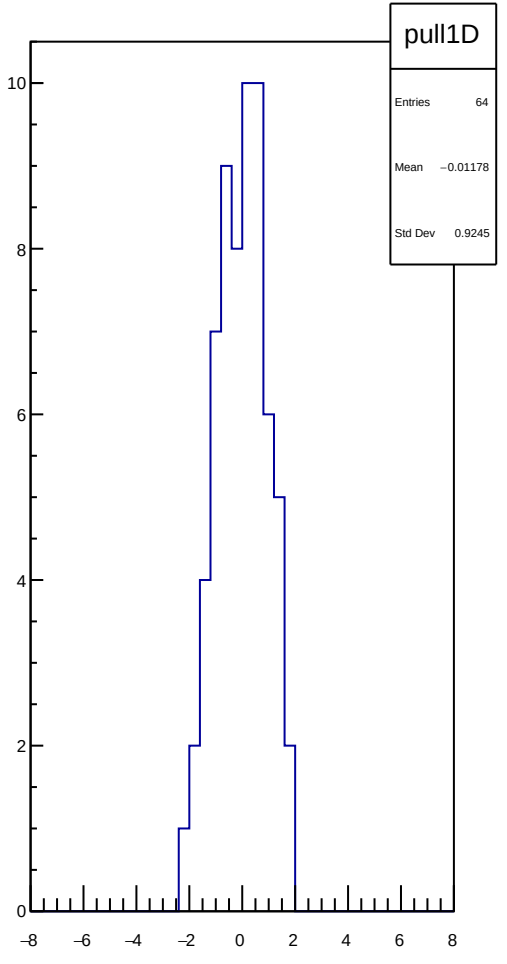

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 47.04 / 63
p0 −0.3377 ± 0.7639
pull
Entries 64
Mean 100.4
Std Dev 0
pull1D
Entries 64
Mean −0.02307
Std Dev 0.857

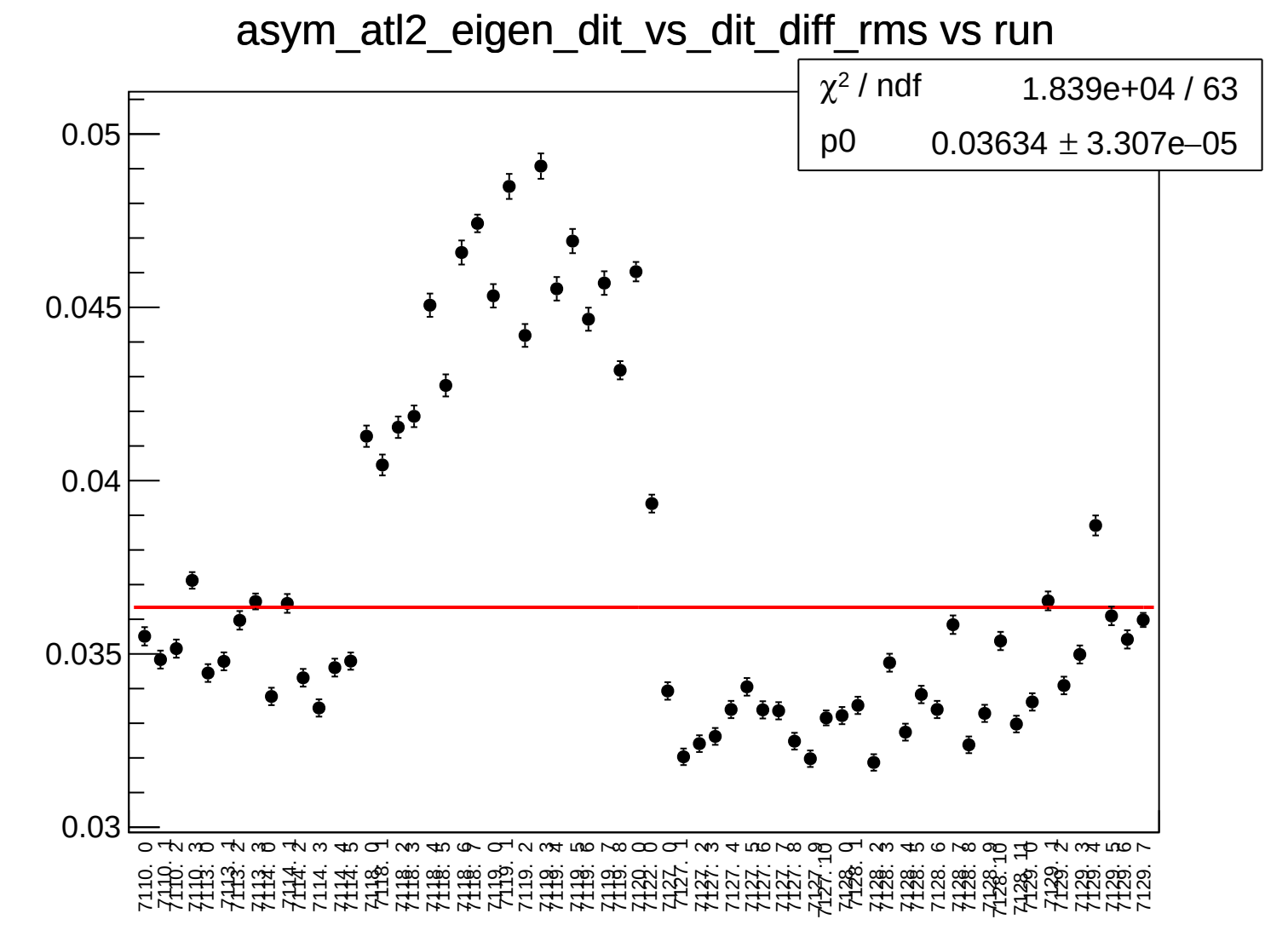

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 5.427e+04 / 63
p0 584.7 ± 0.5401
1200
1000
800
600
400

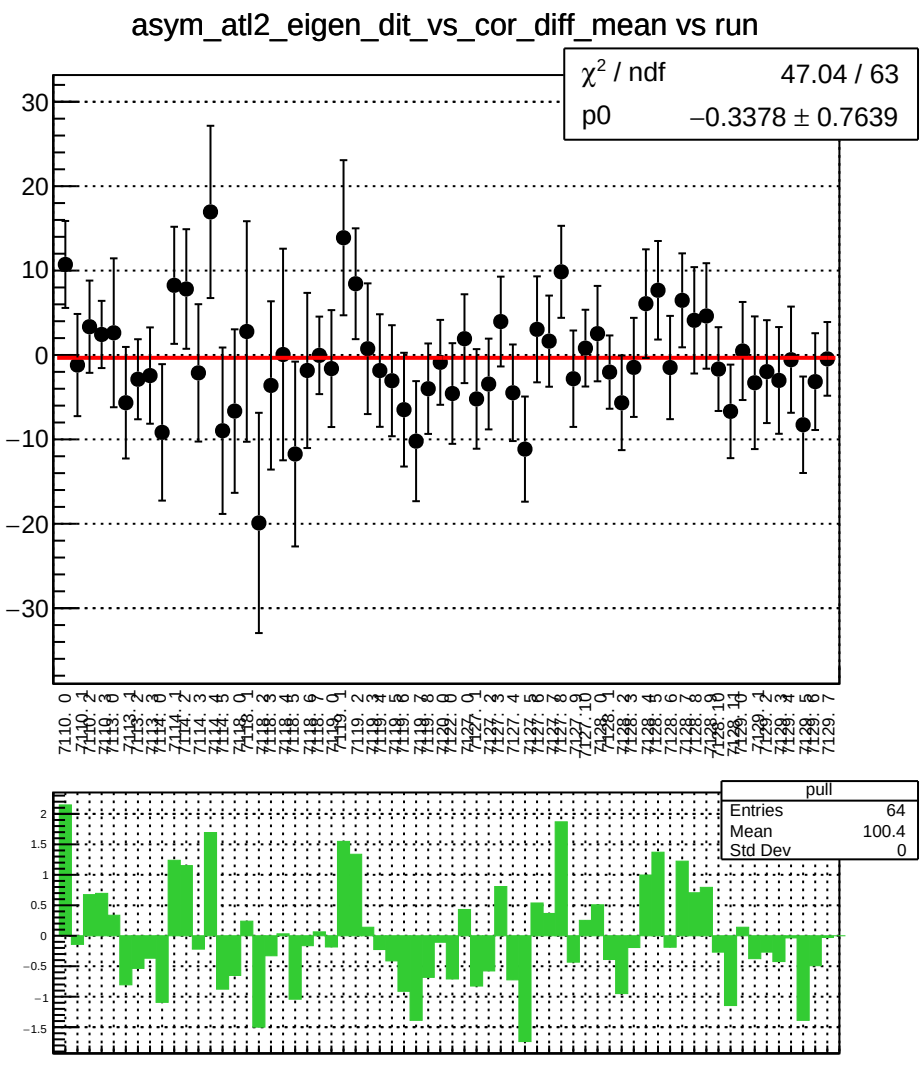

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.04 / 63
p0 −0.3377 ± 0.7639
pull
Entries 64
Mean 100.4
Std Dev 0
pull1D
Entries 64
Mean −0.02307
Std Dev 0.857

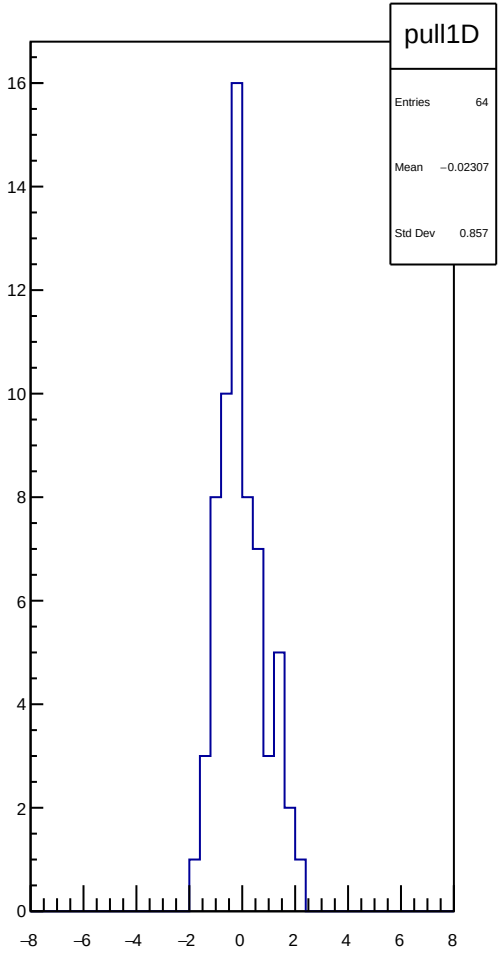

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.427e+04 / 63
p0 584.7 ± 0.5401
1200
1000
800
600
400

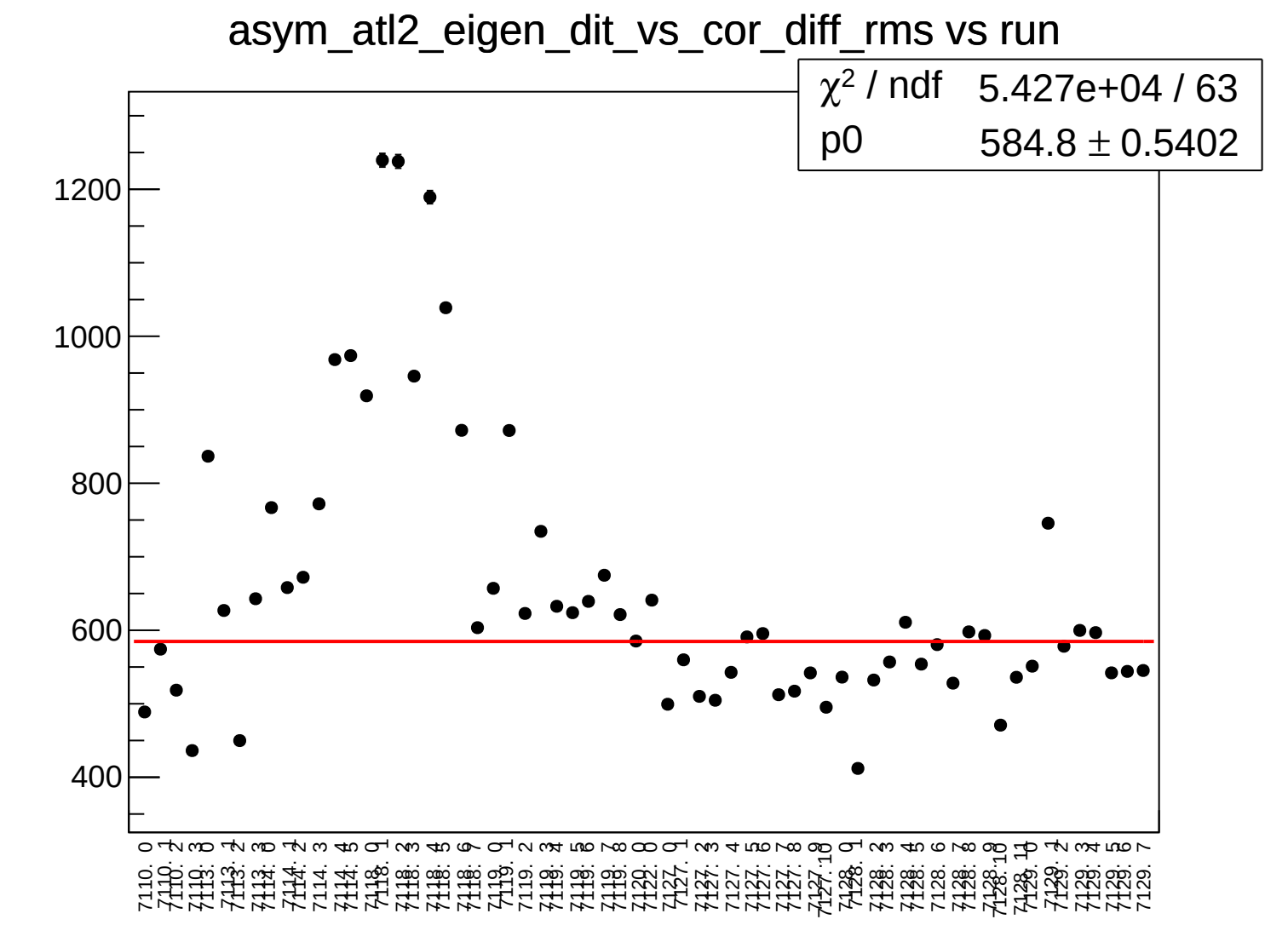

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.72 / 63
p0 −4.143e−05 ± 4.677e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 299.6
Std Dev 0

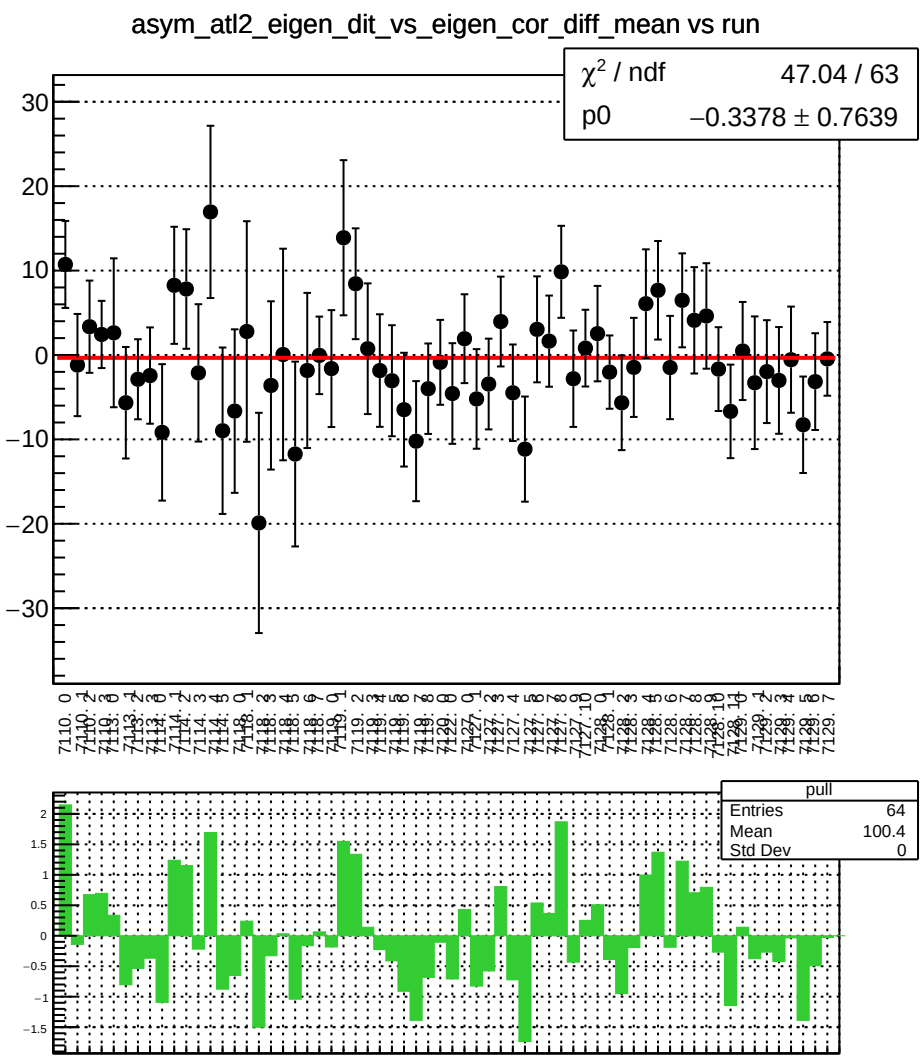

pull1D
Entries 64
Mean −0.01178
Std Dev 0.9245

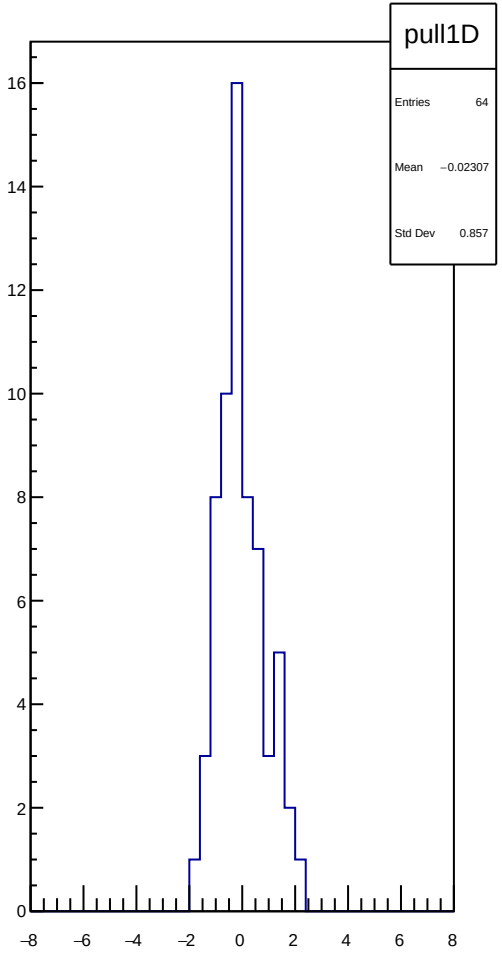

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.839e+04 / 63
p0 0.03634 ± 3.307e–05
0.05
0.045
0.04
0.035
0.03

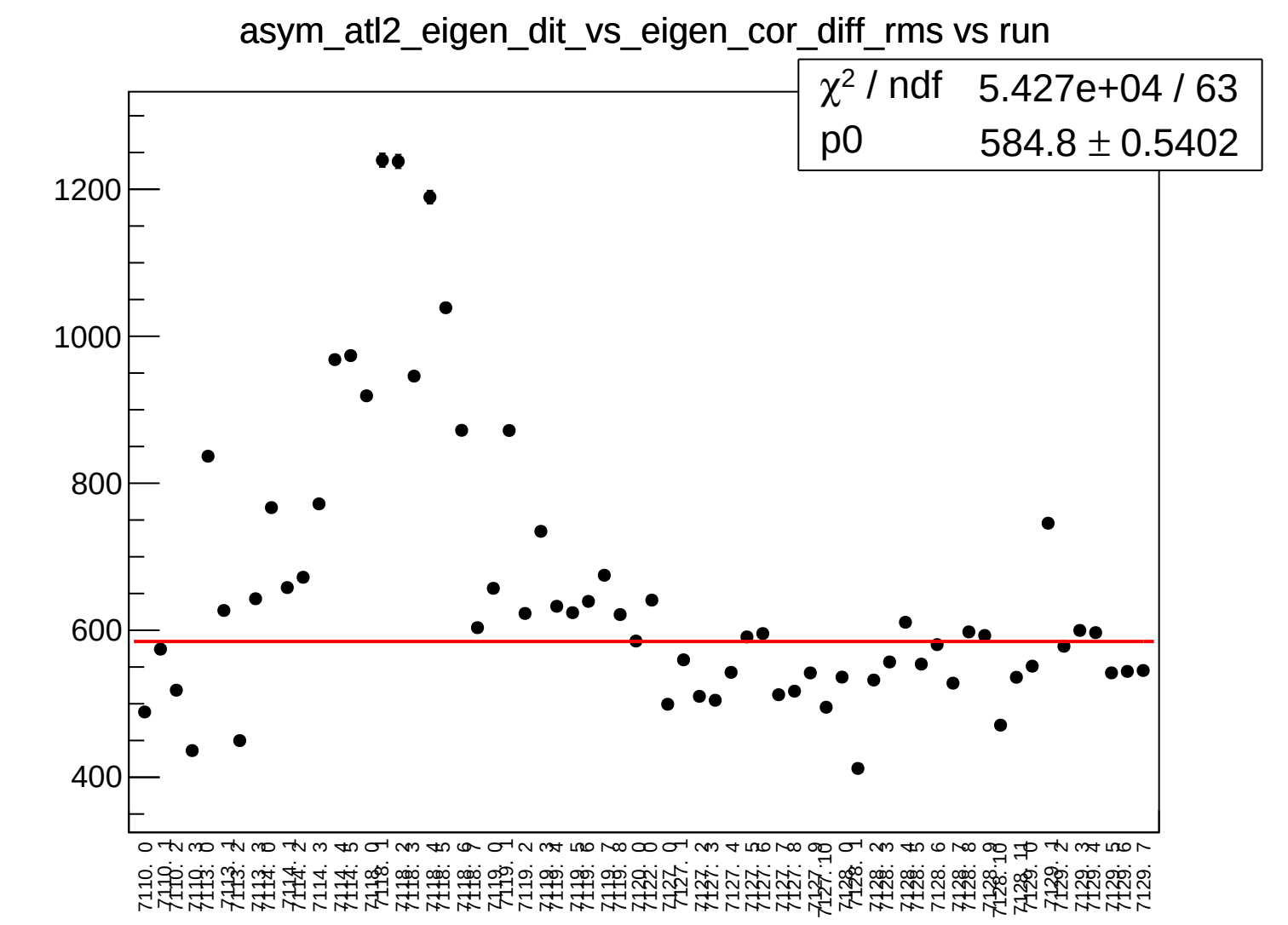

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.04 / 63
p0 −0.3378 ± 0.7639
pull
Entries 64
Mean 100.4
Std Dev 0

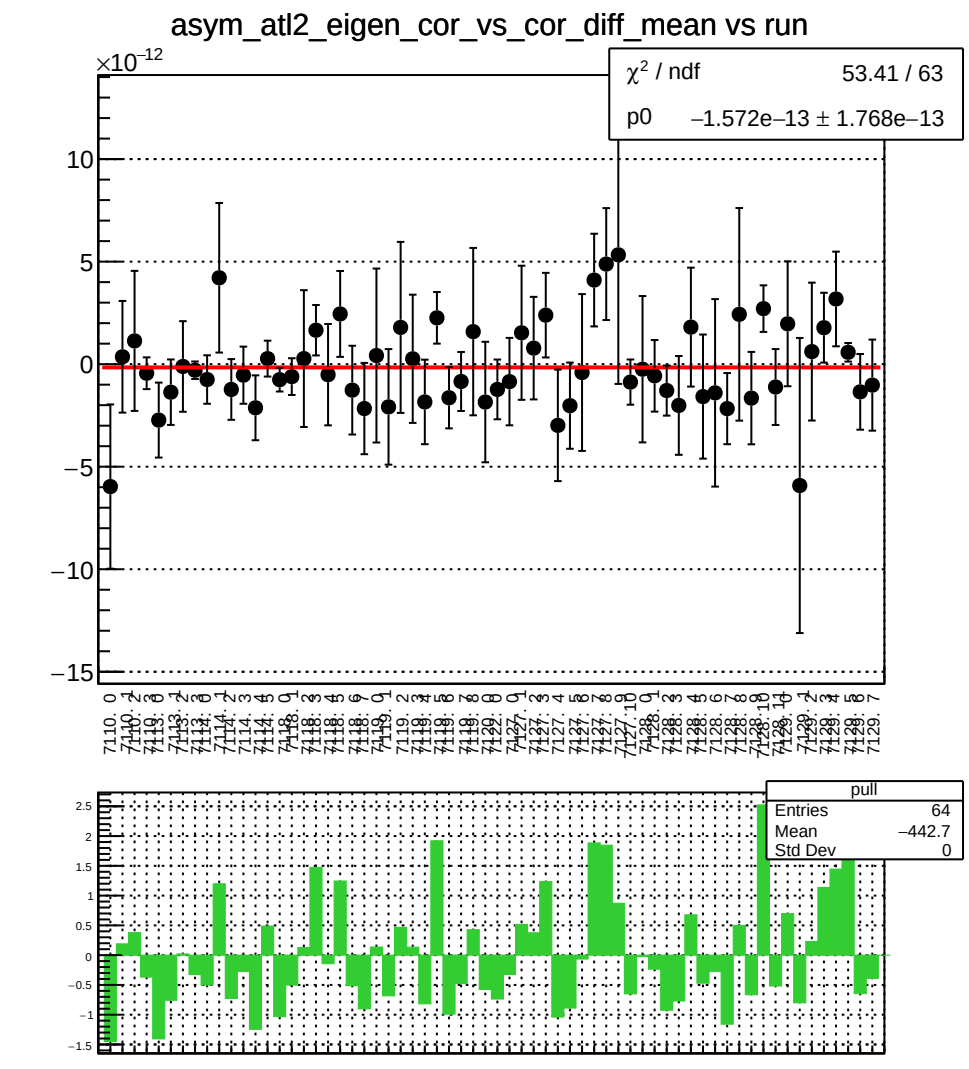

pull1D
Entries 64
Mean −0.02307
Std Dev 0.857

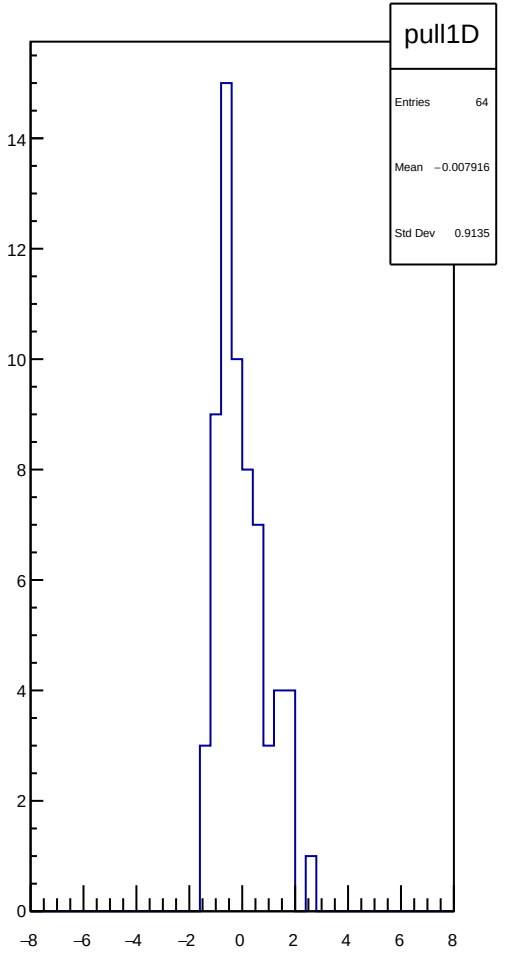

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.427e+04 / 63
p0 584.8 ± 0.5402
1200
1000
800
600
400

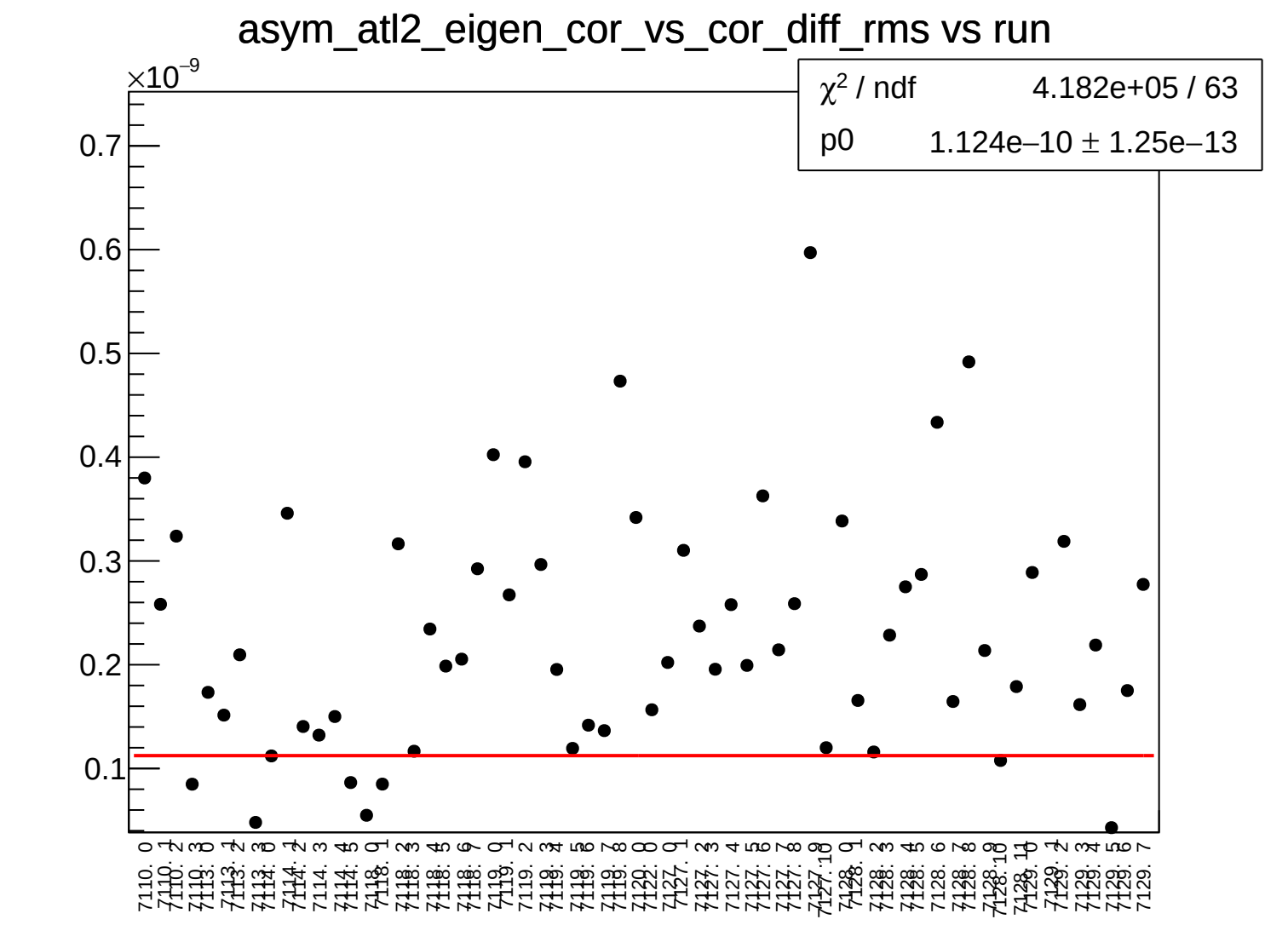

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.04 / 63
p0 −0.3378 ± 0.7639
pull
Entries 64
Mean 100.4
Std Dev 0

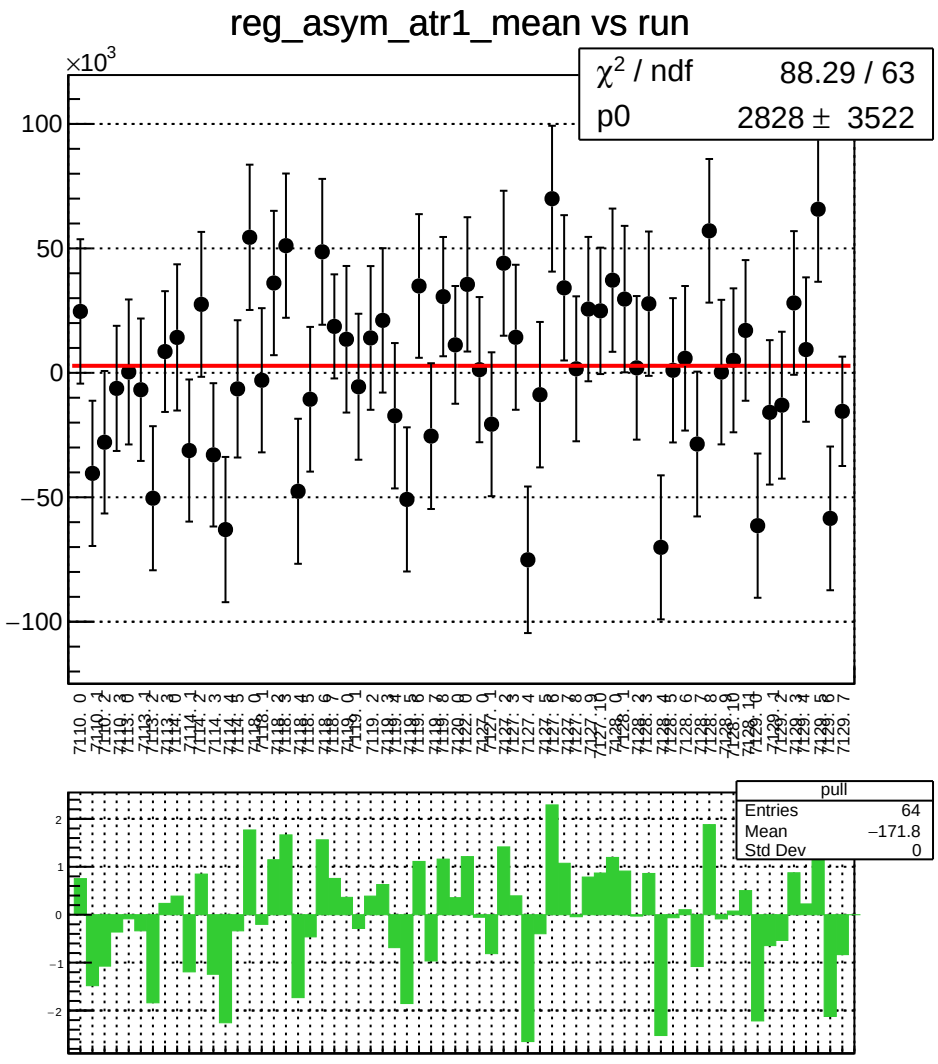

pull1D
Entries 64
Mean −0.02307
Std Dev 0.857

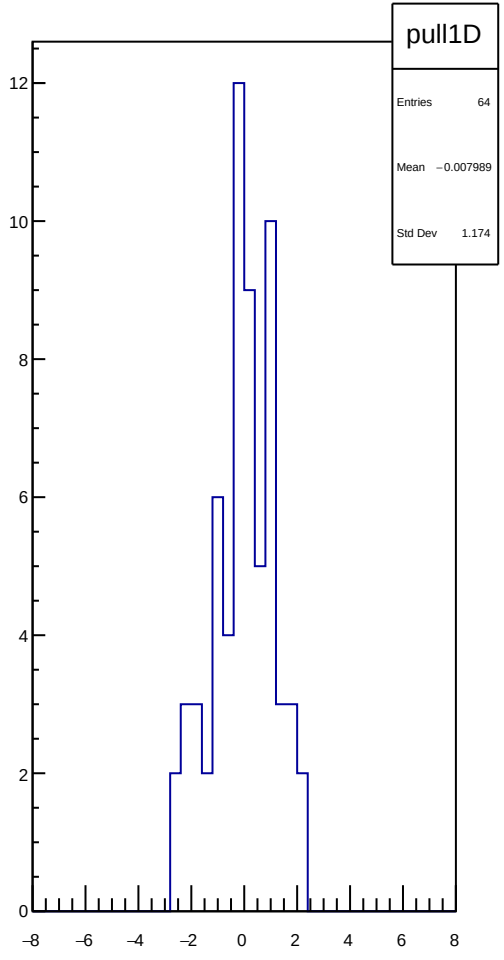

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.427e+04 / 63
p0 584.8 ± 0.5402
1200
1000
800
600
400

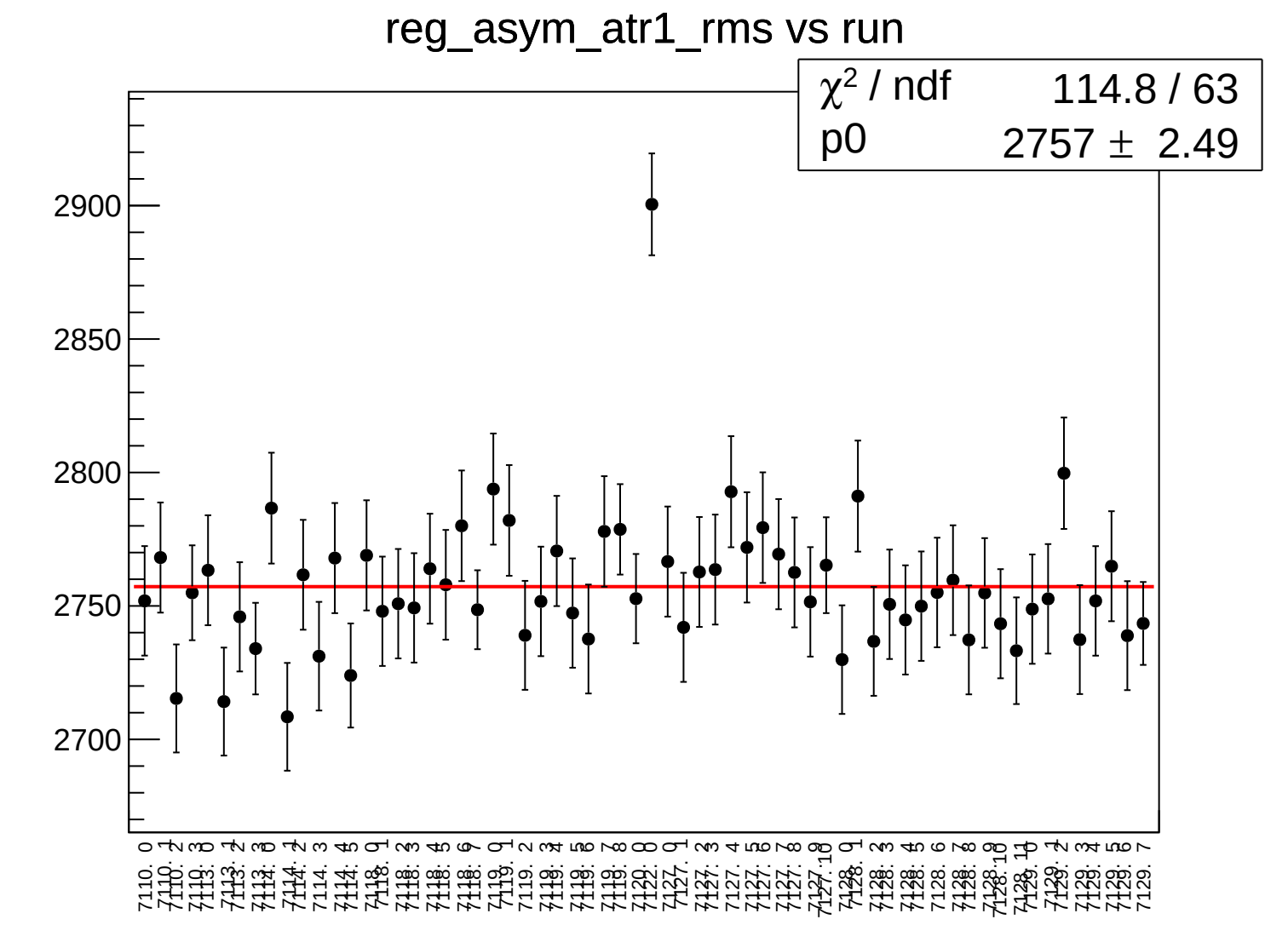

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.41 / 63
p0 −1.572e−13 ± 1.768e−13
pull
Entries 64
Mean −442.7
Std Dev 0

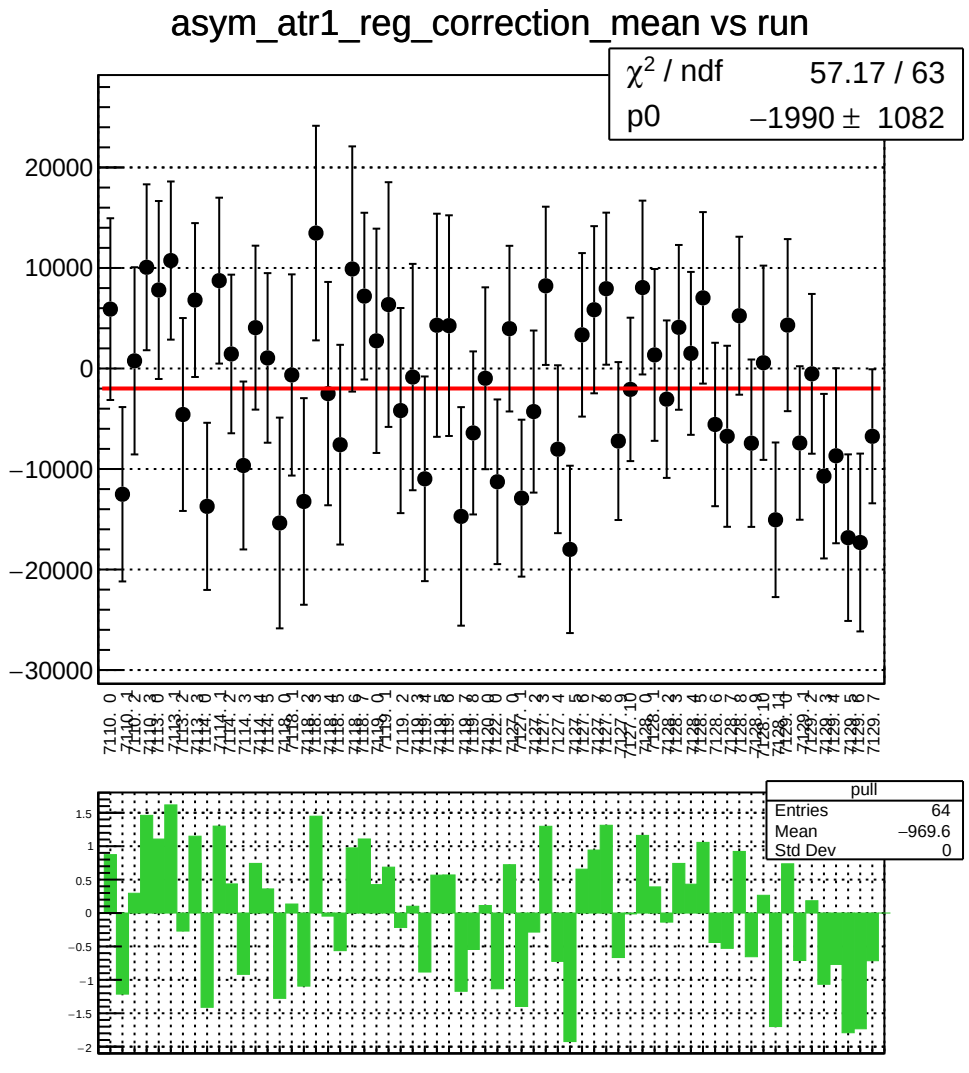

pull1D
Entries 64
Mean −0.007916
Std Dev 0.9135

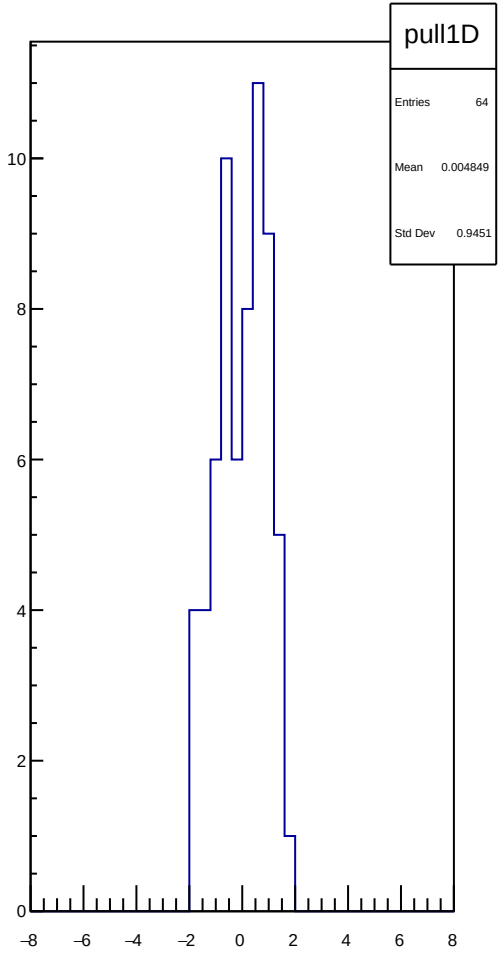

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.182e+05 / 63
p0 1.124e−10 ± 1.25e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

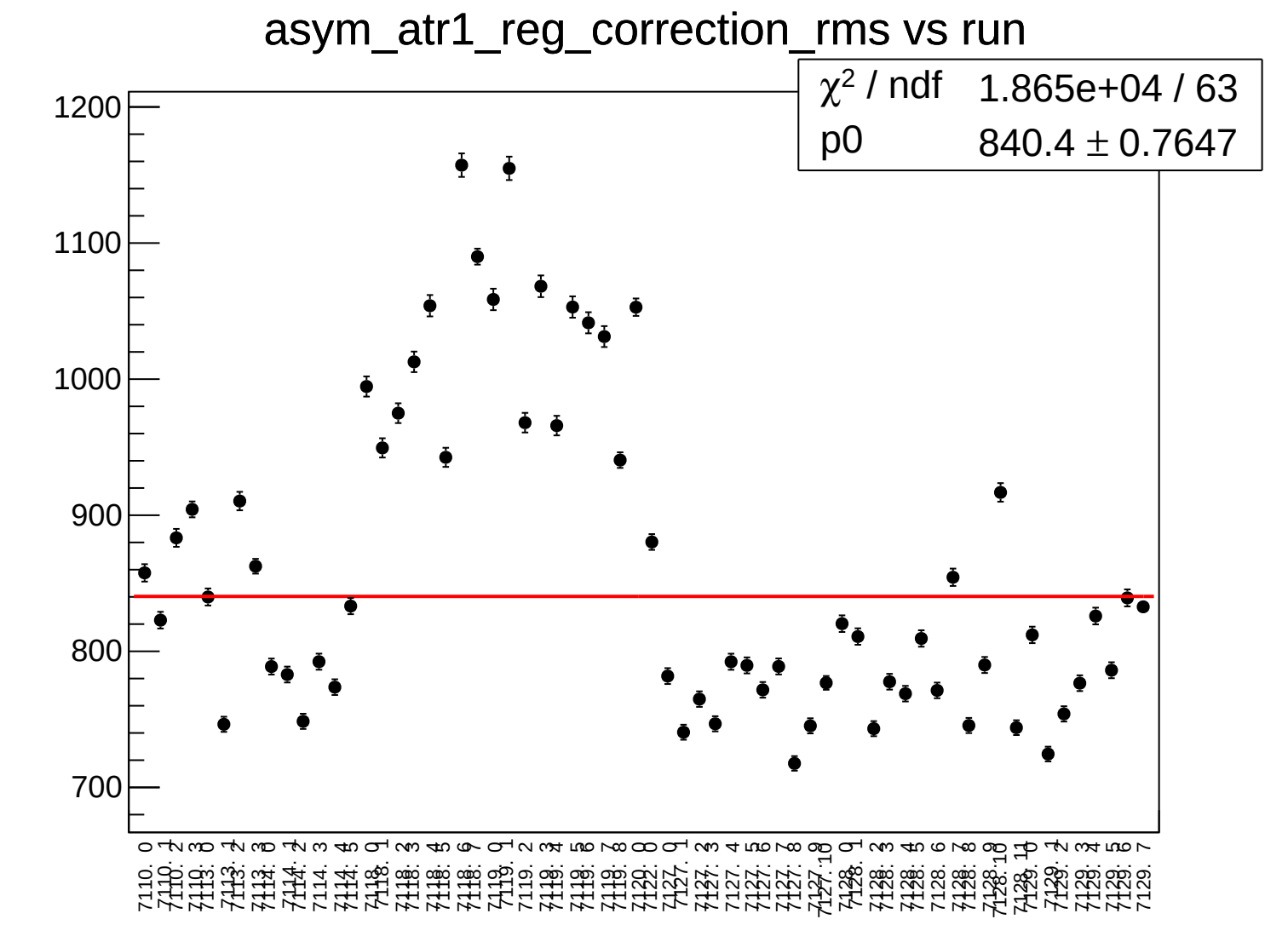

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 88.29 / 63
p0 2828 ± 3522
100
50
0
−50
−100
pull
Entries 64
Mean −171.8
Std Dev 0
2
1
0
−1
−2

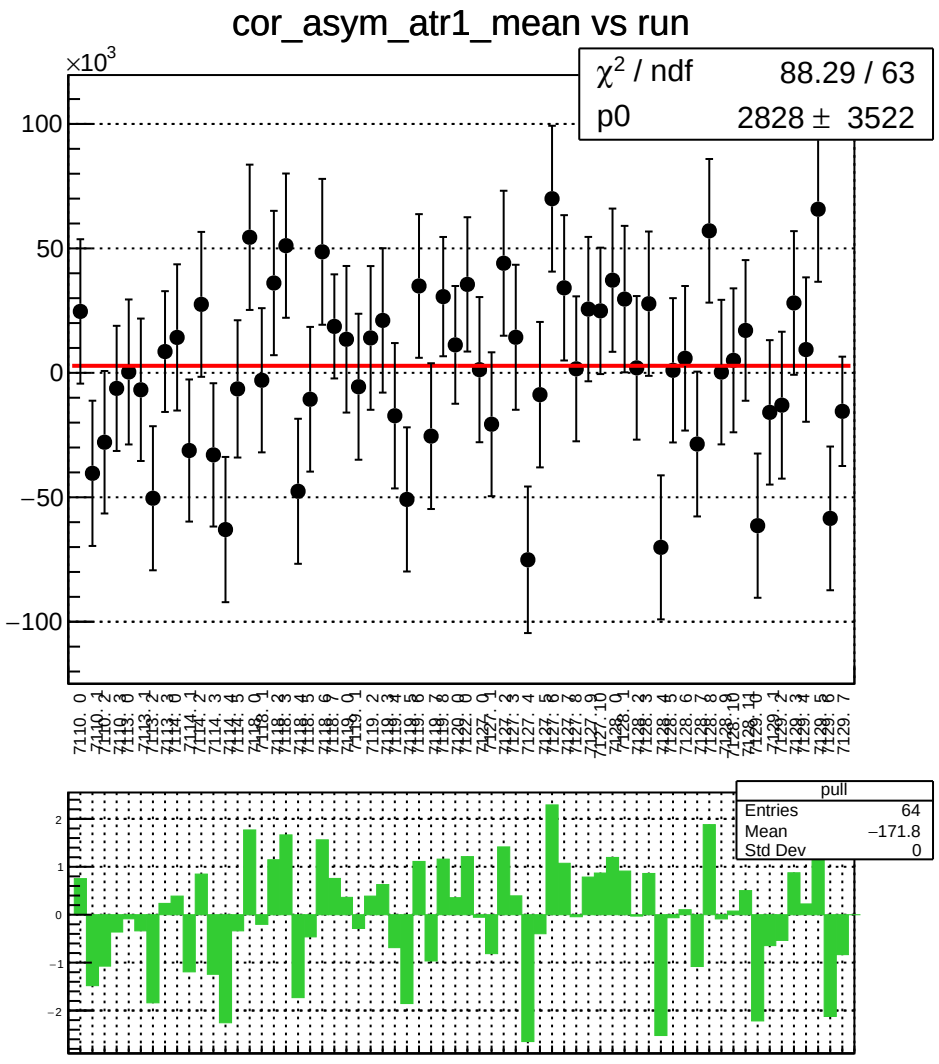

pull1D
Entries 64
Mean −0.007989
Std Dev 1.174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

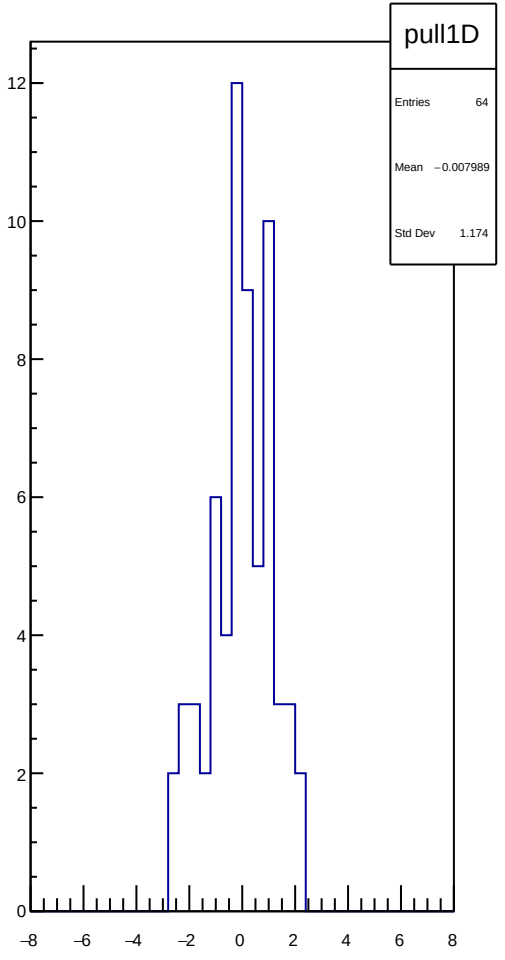

reg_asym_atr1_rms vs run
χ² / ndf 114.8 / 63
p0 2757 ± 2.49
2900
2850
2800
2750
2700

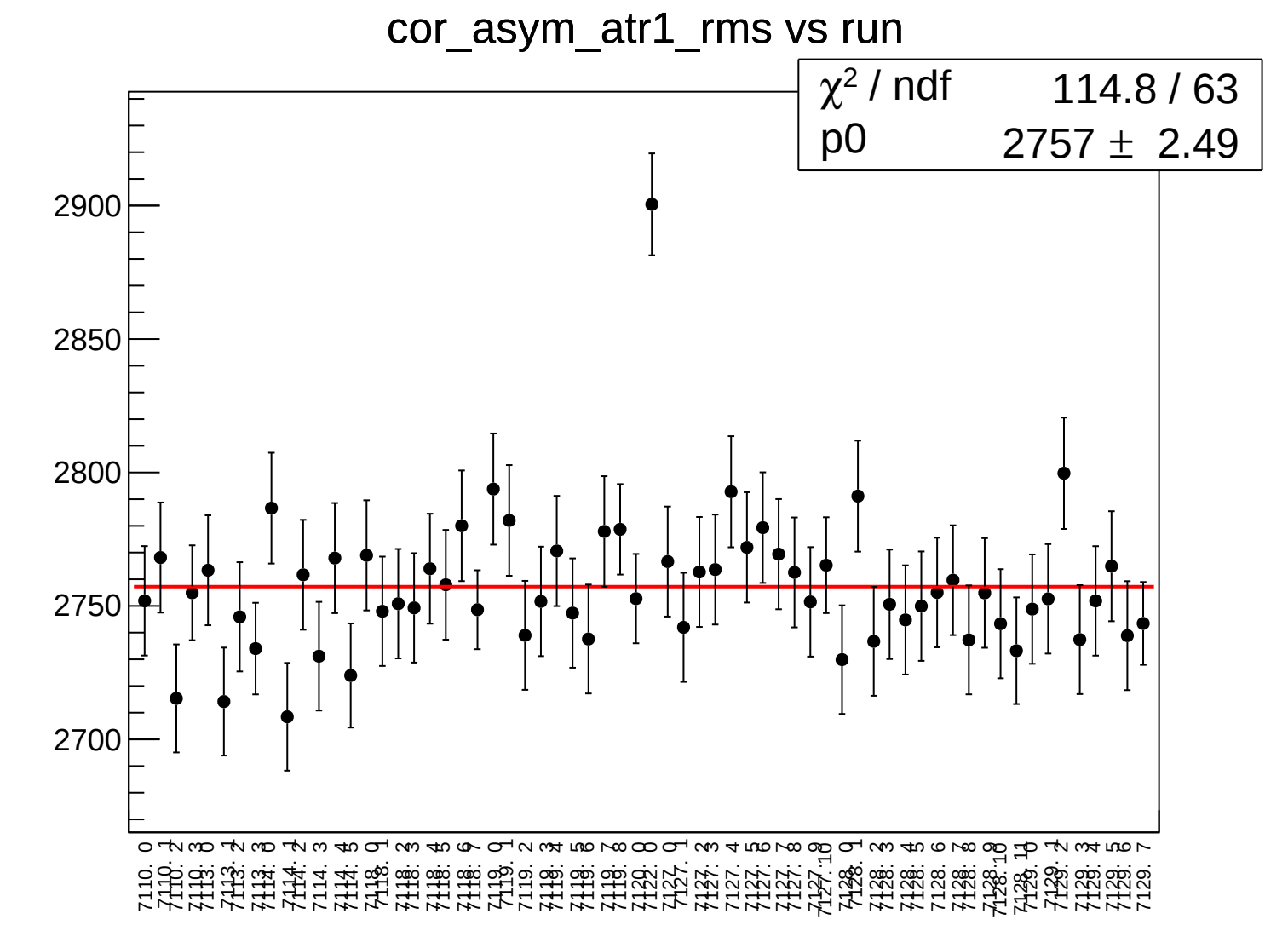

asym_atr1_reg_correction_mean vs run
χ² / ndf 57.17 / 63
p0 −1990 ± 1082
pull
Entries 64
Mean −969.6
Std Dev 0


pull1D
Entries 64
Mean 0.004849
Std Dev 0.9451


asym_atr1_reg_correction_rms vs run
χ² / ndf 1.865e+04 / 63
p0 840.4 ± 0.7647
1200
1100
1000
900
800
700
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7


cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 88.29 / 63
p0 2828 ± 3522
100
50
0
−50
−100
pull
Entries 64
Mean −171.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 64
Mean −0.007989
Std Dev 1.174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1_rms vs run
χ² / ndf 114.8 / 63
p0 2757 ± 2.49
2900
2850
2800
2750
2700
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
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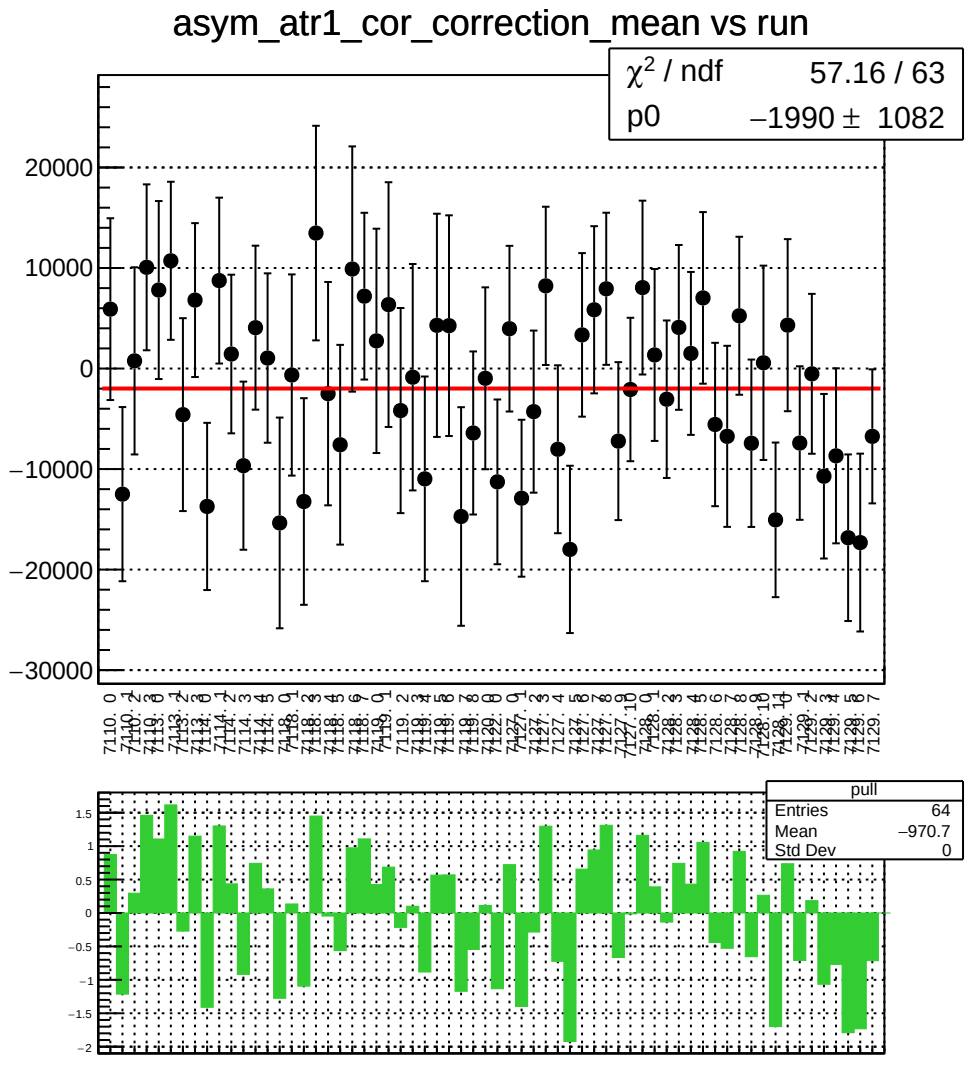
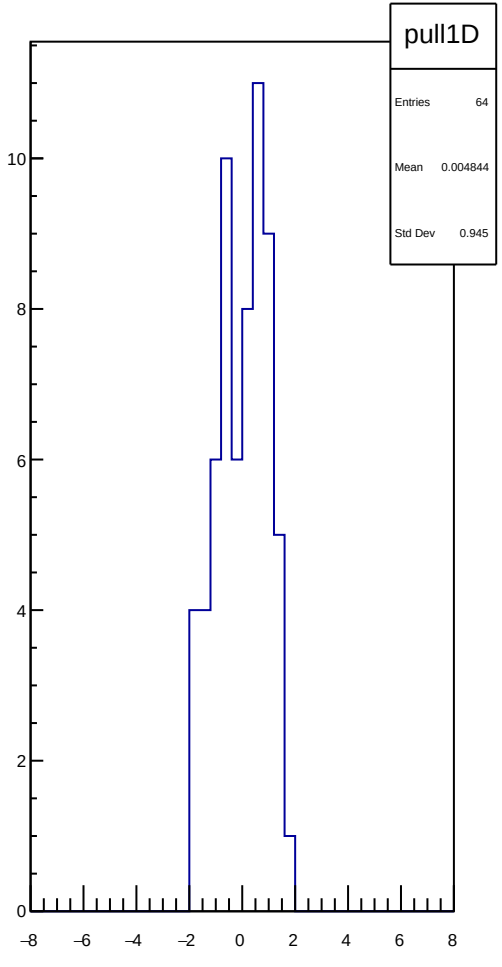
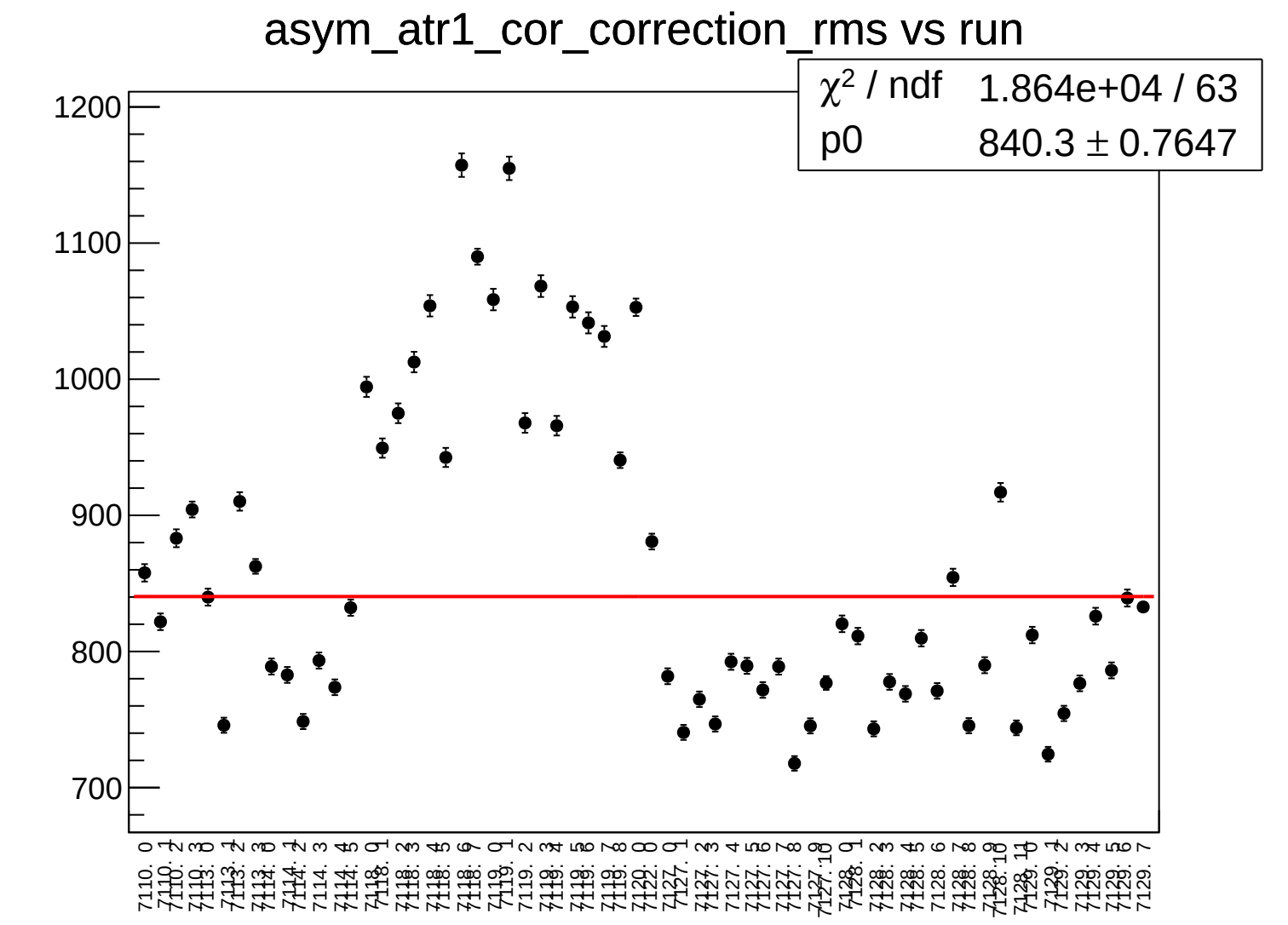
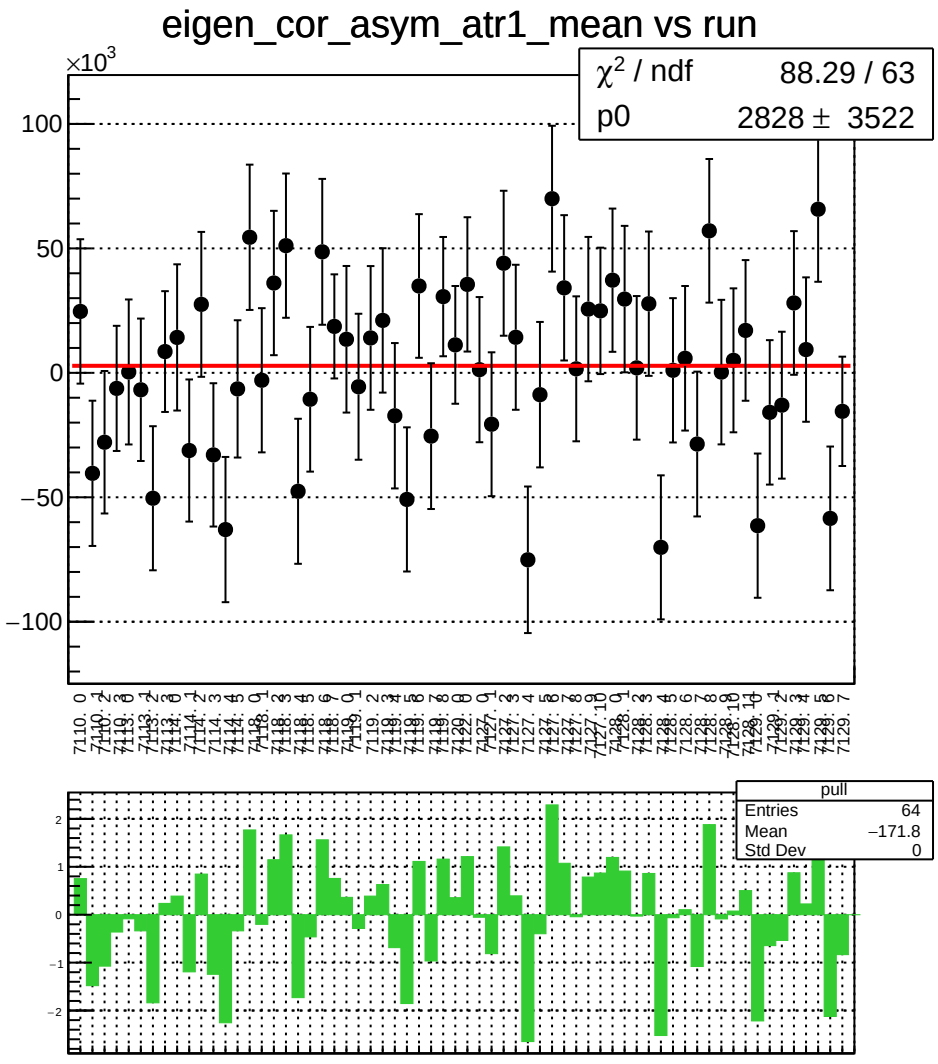
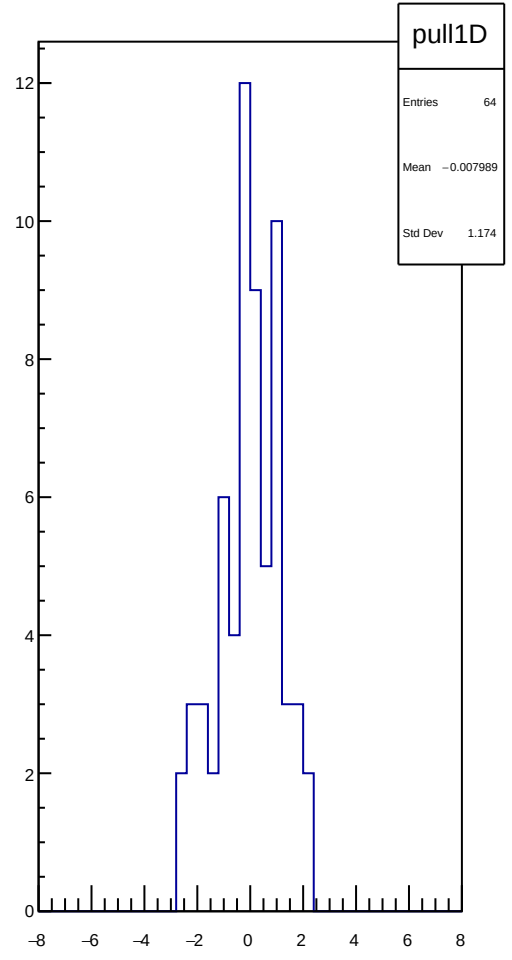
7129. 6
7129. 7

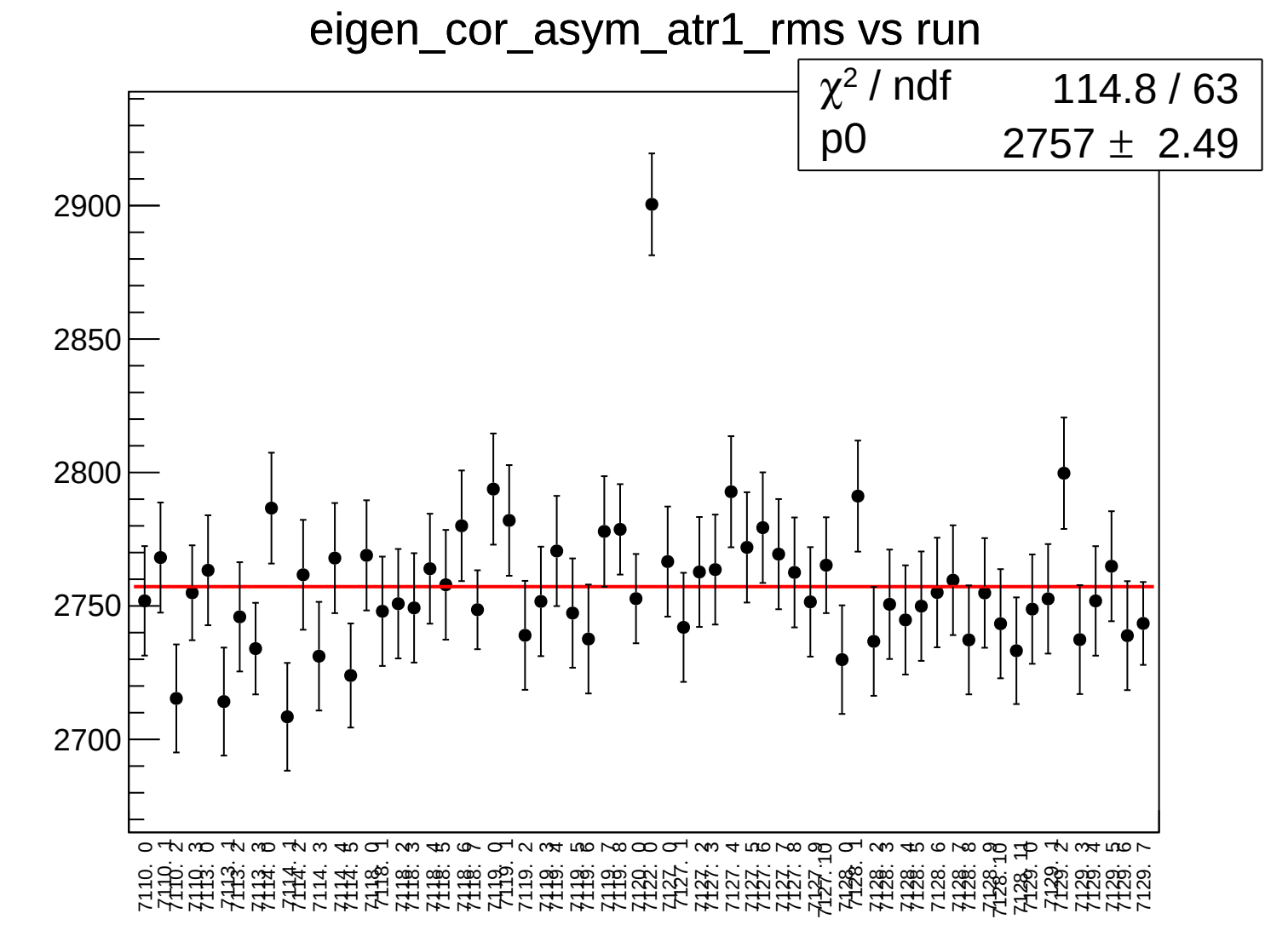

asym_atr1_cor_correction_mean vs run
χ² / ndf 57.16 / 63
p0 −1990 ± 1082
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean −970.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

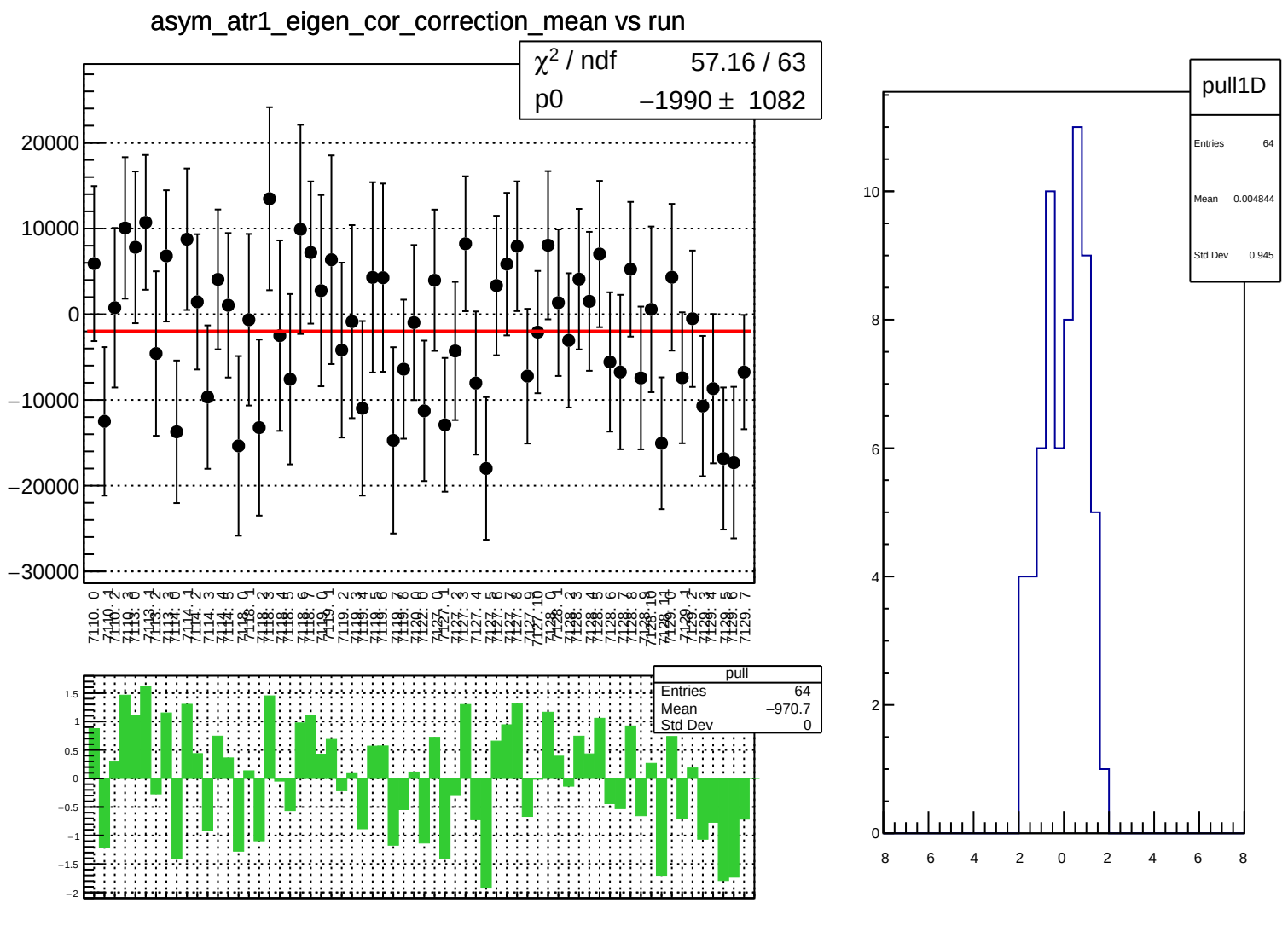

pull1D
Entries 64
Mean 0.004844
Std Dev 0.945
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

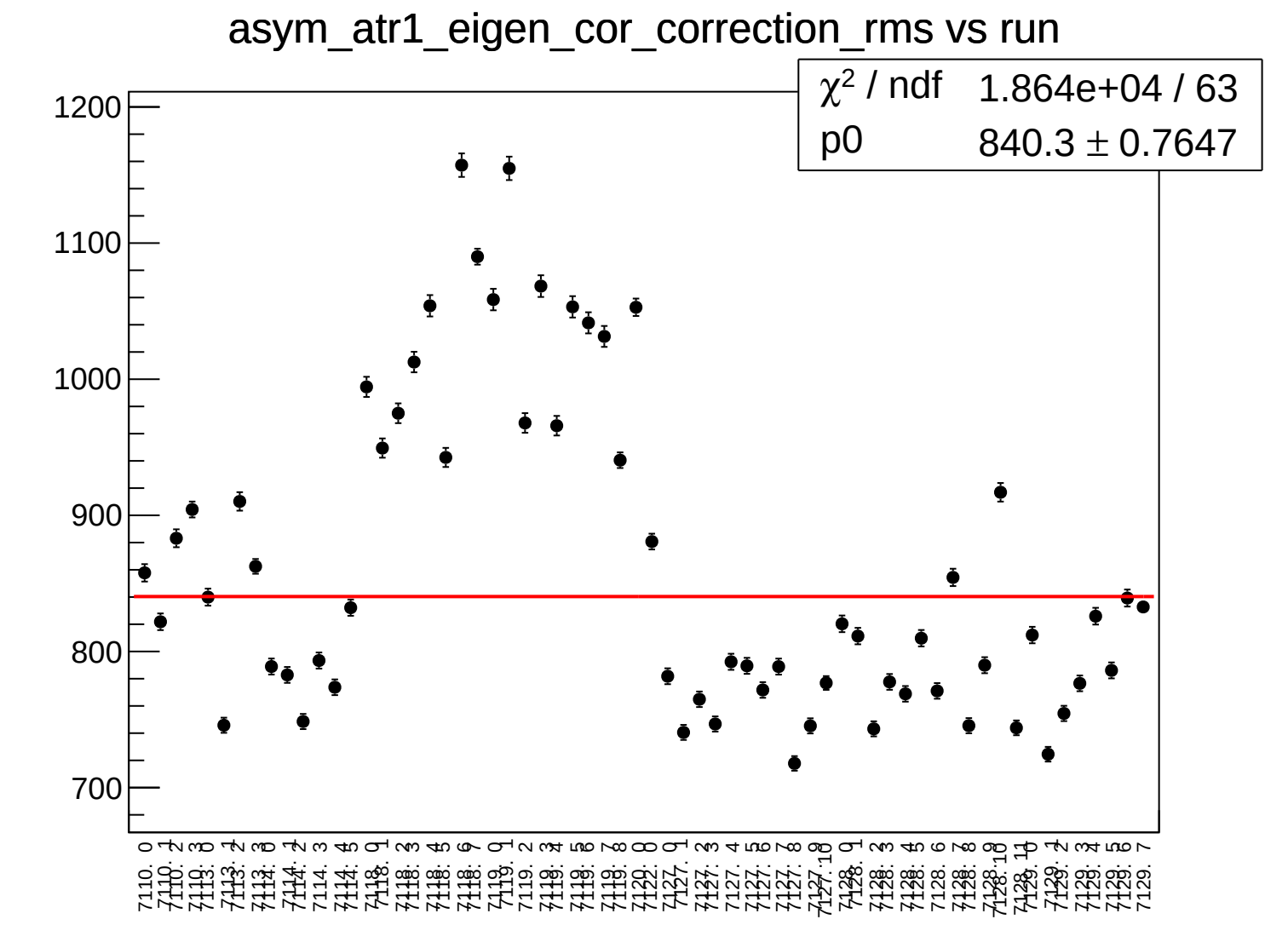

asym_atr1_cor_correction_rms vs run
χ² / ndf 1.864e+04 / 63
p0 840.3 ± 0.7647
1200
1100
1000
900
800
700

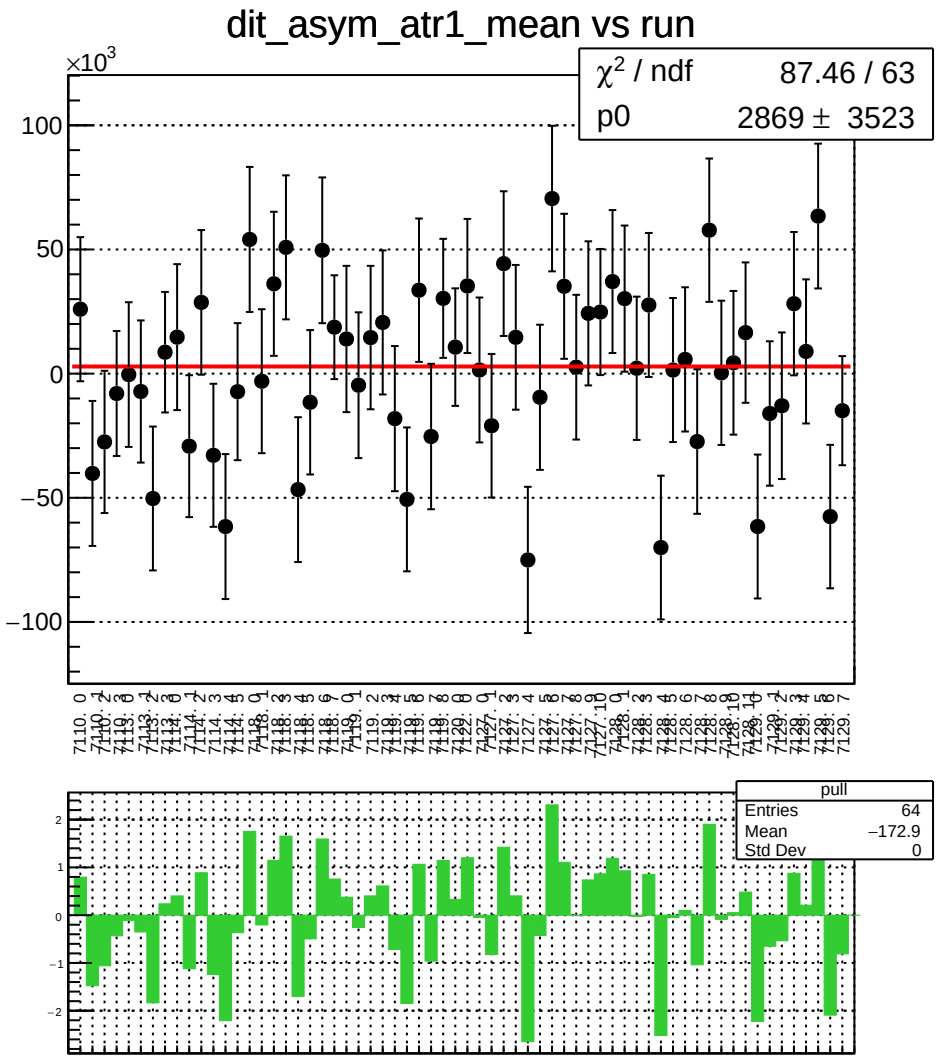

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 88.29 / 63
p0 2828 ± 3522
100
50
0
−50
−100
pull
Entries 64
Mean −171.8
Std Dev 0
2
1
0
−1
−2

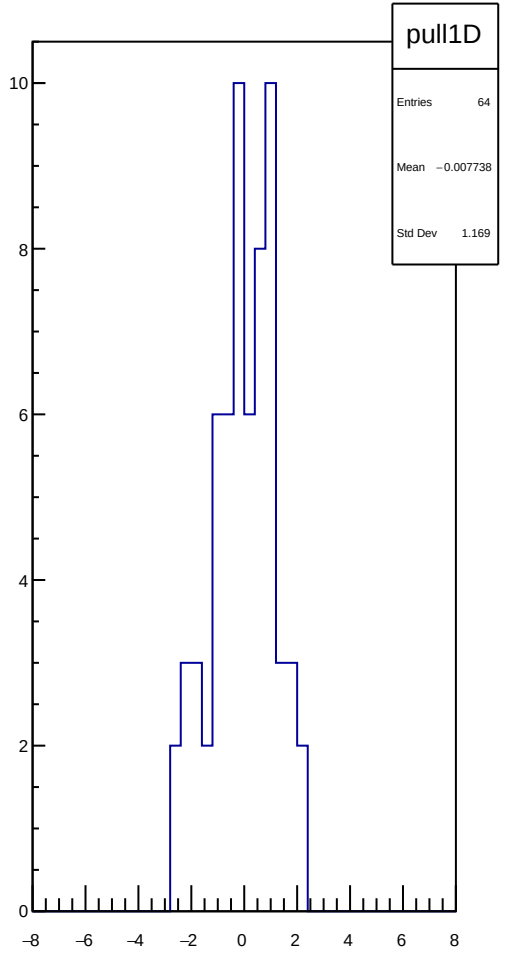

pull1D
Entries 64
Mean −0.007989
Std Dev 1.174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

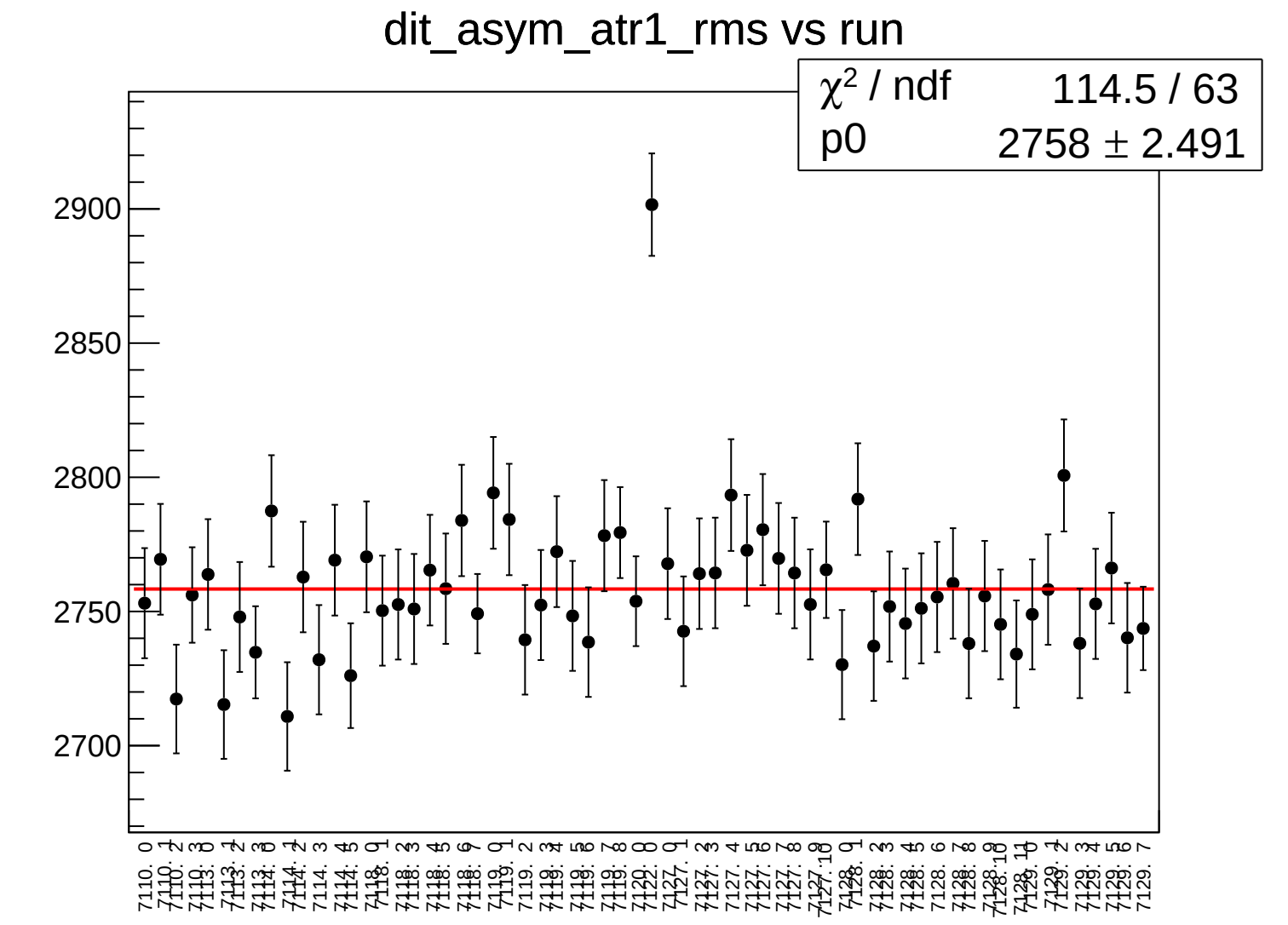

eigen_cor_asym_atr1_rms vs run
χ² / ndf 114.8 / 63
p0 2757 ± 2.49
2900
2850
2800
2750
2700

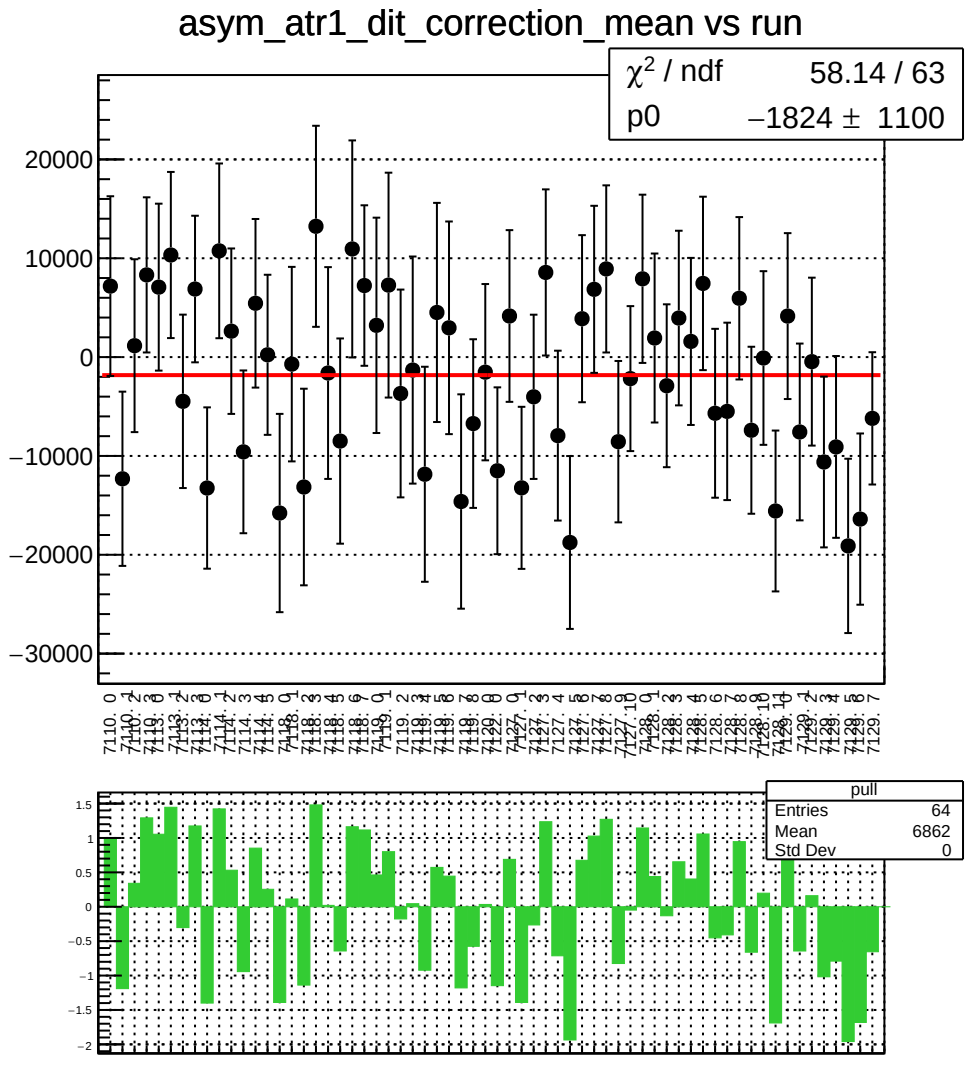

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 57.16 / 63
p0 −1990 ± 1082
pull
Entries 64
Mean −970.7
Std Dev 0
pull1D
Entries 64
Mean 0.004844
Std Dev 0.945

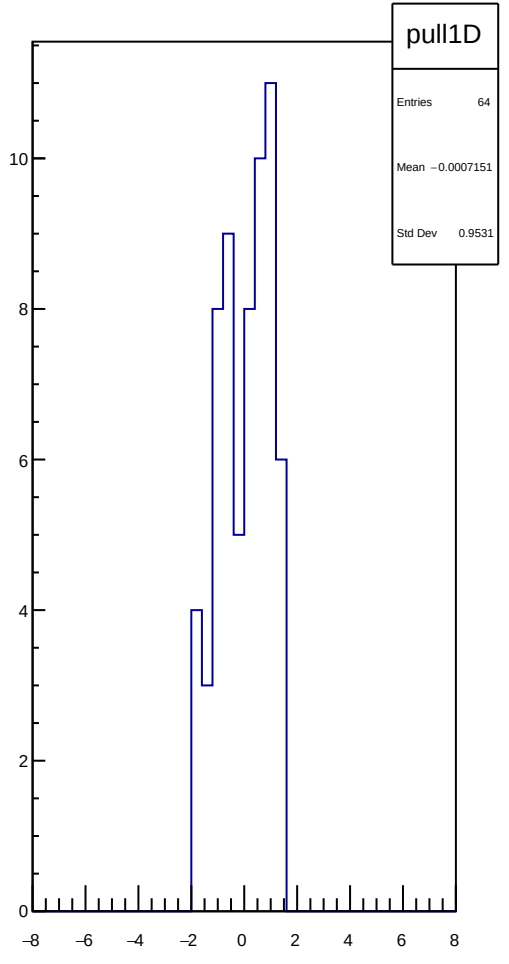

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 1.864e+04 / 63
p0 840.3 ± 0.7647
1200
1100
1000
900
800
700

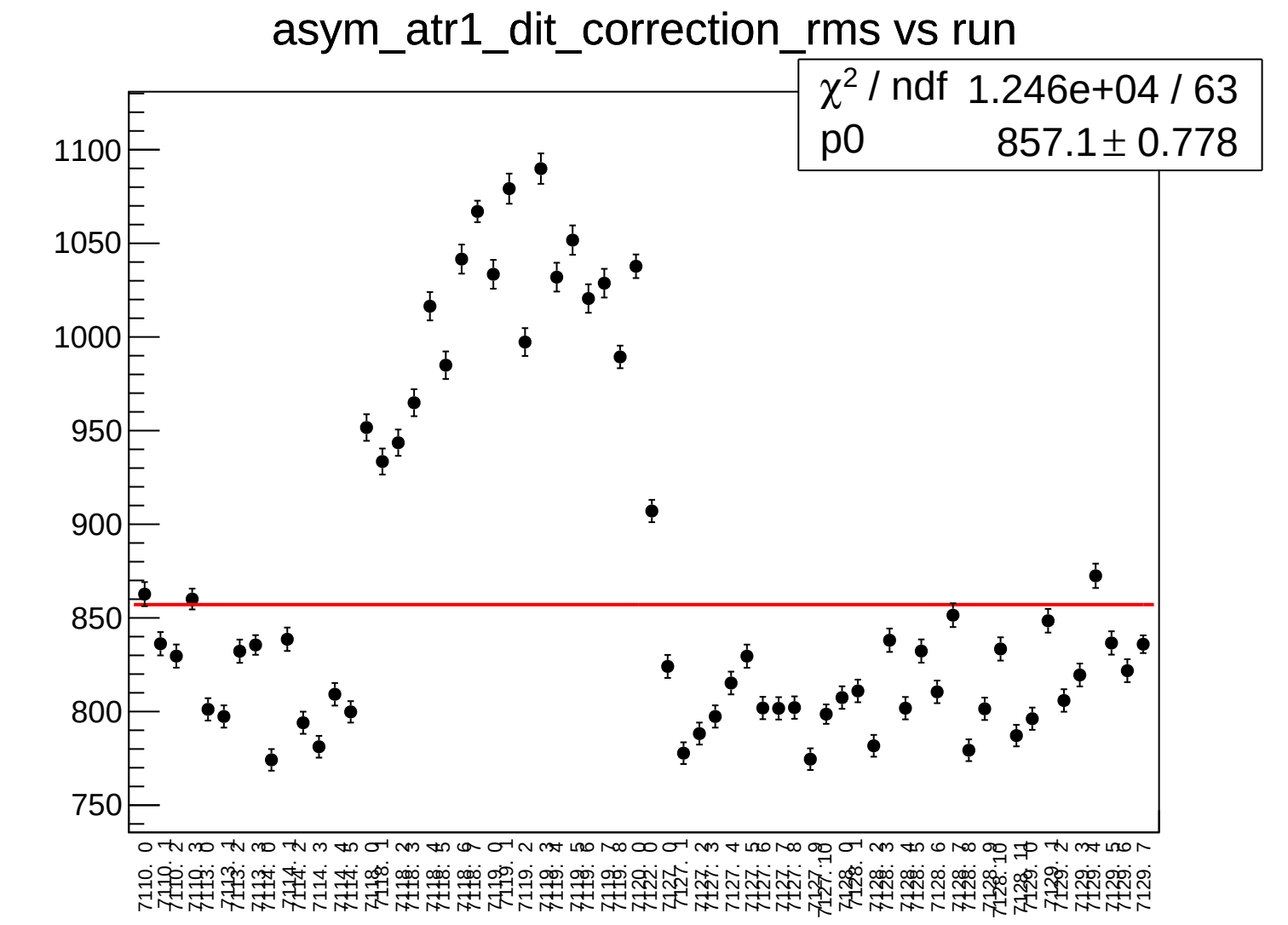

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 87.46 / 63
p0 2869 ± 3523
100
50
0
−50
−100
pull
Entries 64
Mean −172.9
Std Dev 0
2
1
0
−1
−2

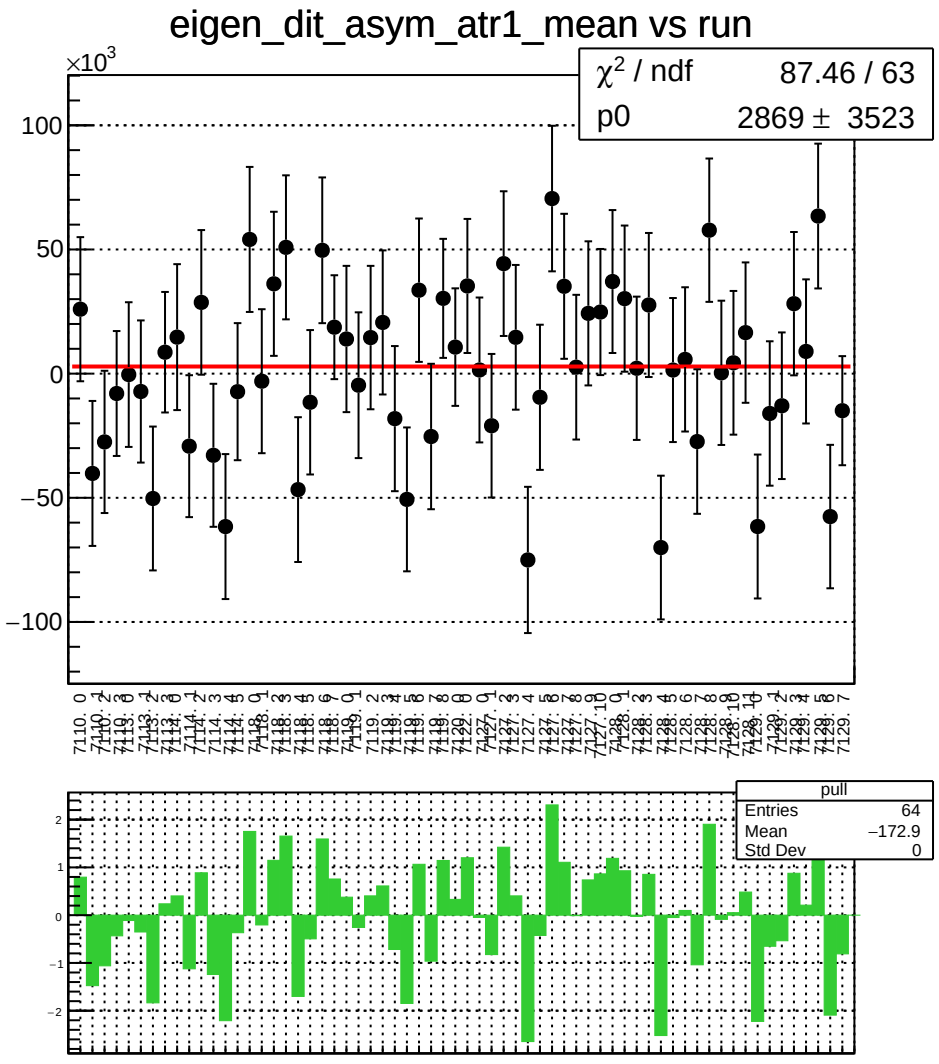

pull1D
Entries 64
Mean −0.007738
Std Dev 1.169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

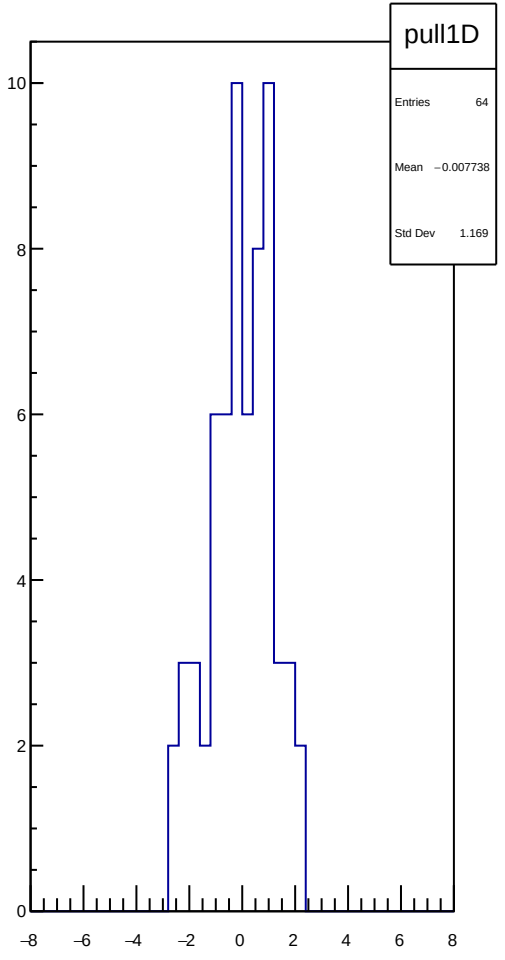

dit_asym_atr1_rms vs run
χ² / ndf 114.5 / 63
p0 2758 ± 2.491
2900
2850
2800
2750
2700

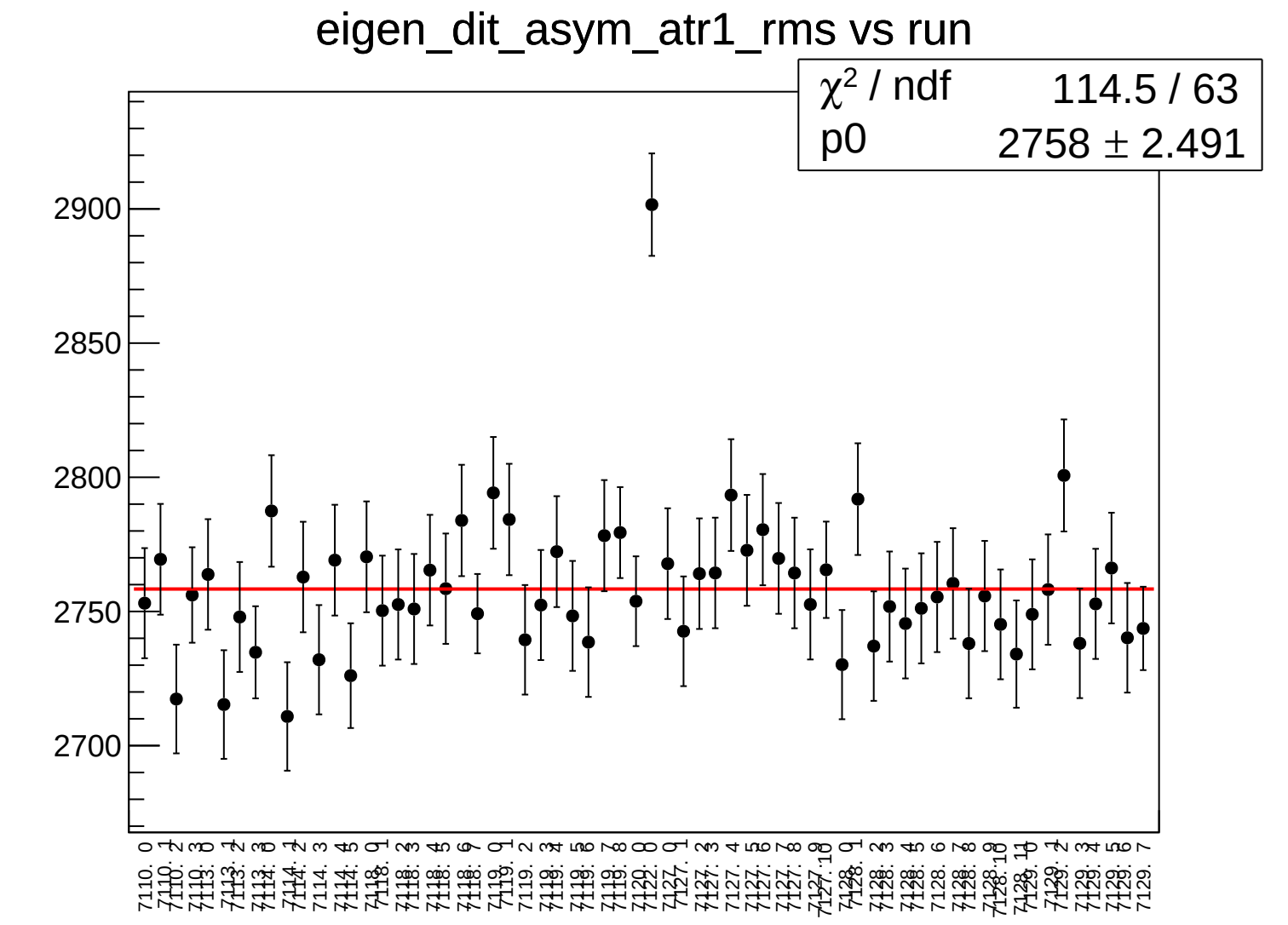

asym_atr1_dit_correction_mean vs run
χ² / ndf 58.14 / 63
p0 −1824 ± 1100
pull
Entries 64
Mean 6862
Std Dev 0

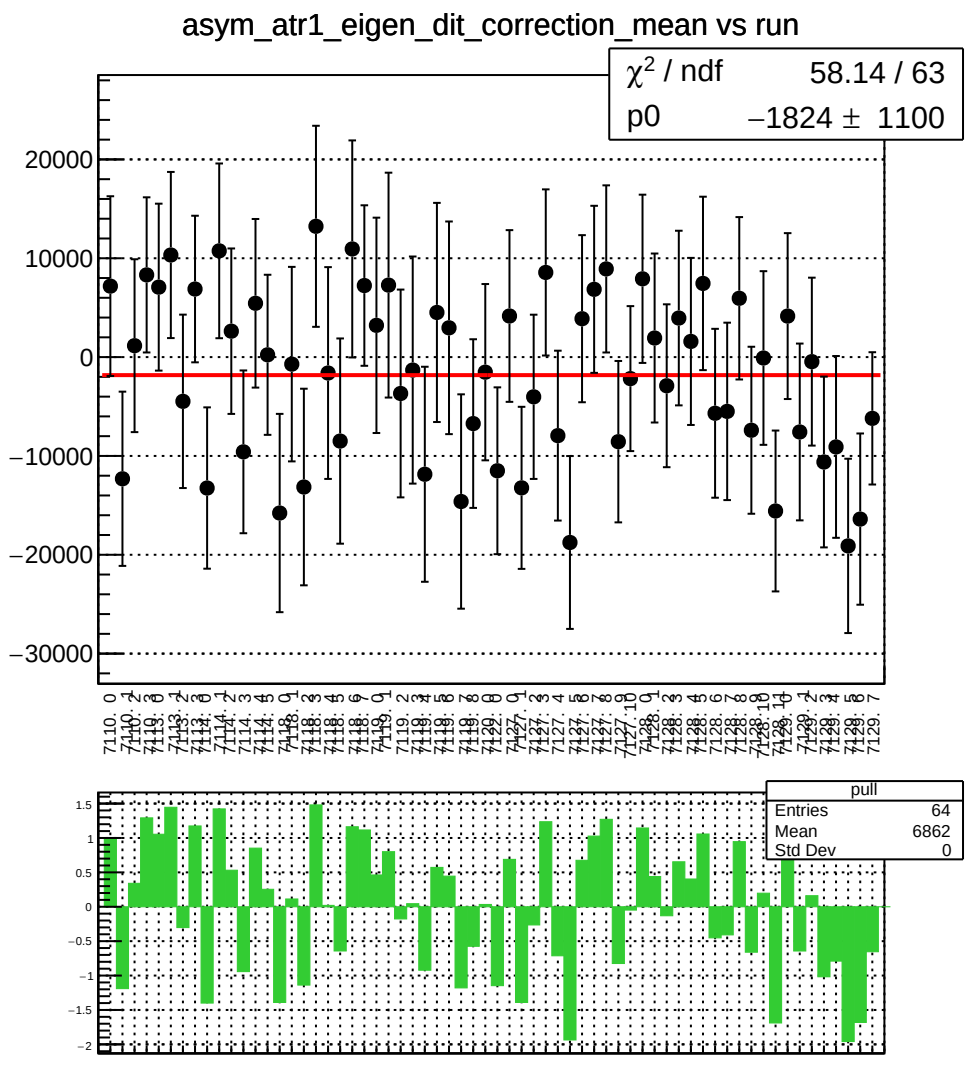

pull1D
Entries 64
Mean −0.0007151
Std Dev 0.9531

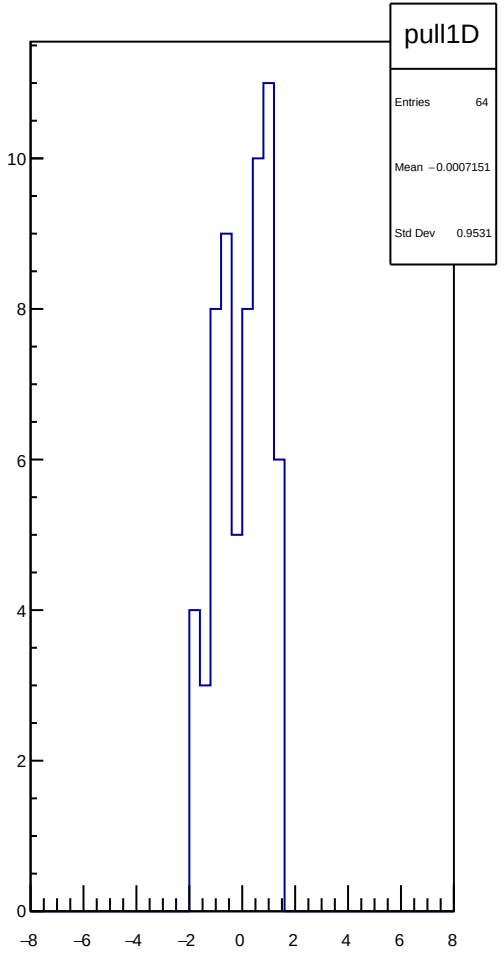

asym_atr1_dit_correction_rms vs run
χ² / ndf 1.246e+04 / 63
p0 857.1 ± 0.778
1100
1050
1000
950
900
850
800
750

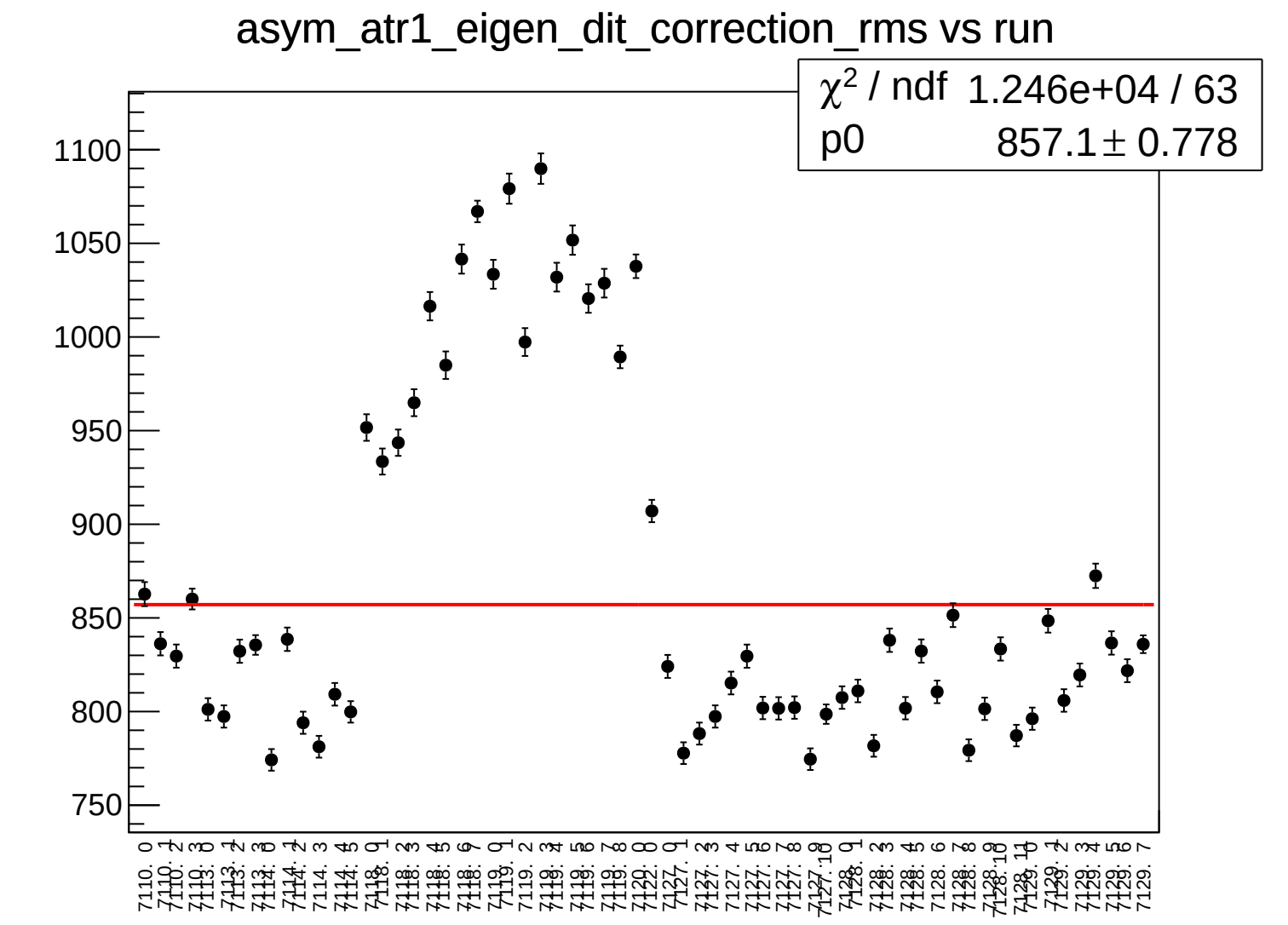

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 87.46 / 63
p0 2869 ± 3523
100
50
0
−50
−100
pull
Entries 64
Mean −172.9
Std Dev 0
2
1
0
−1
−2

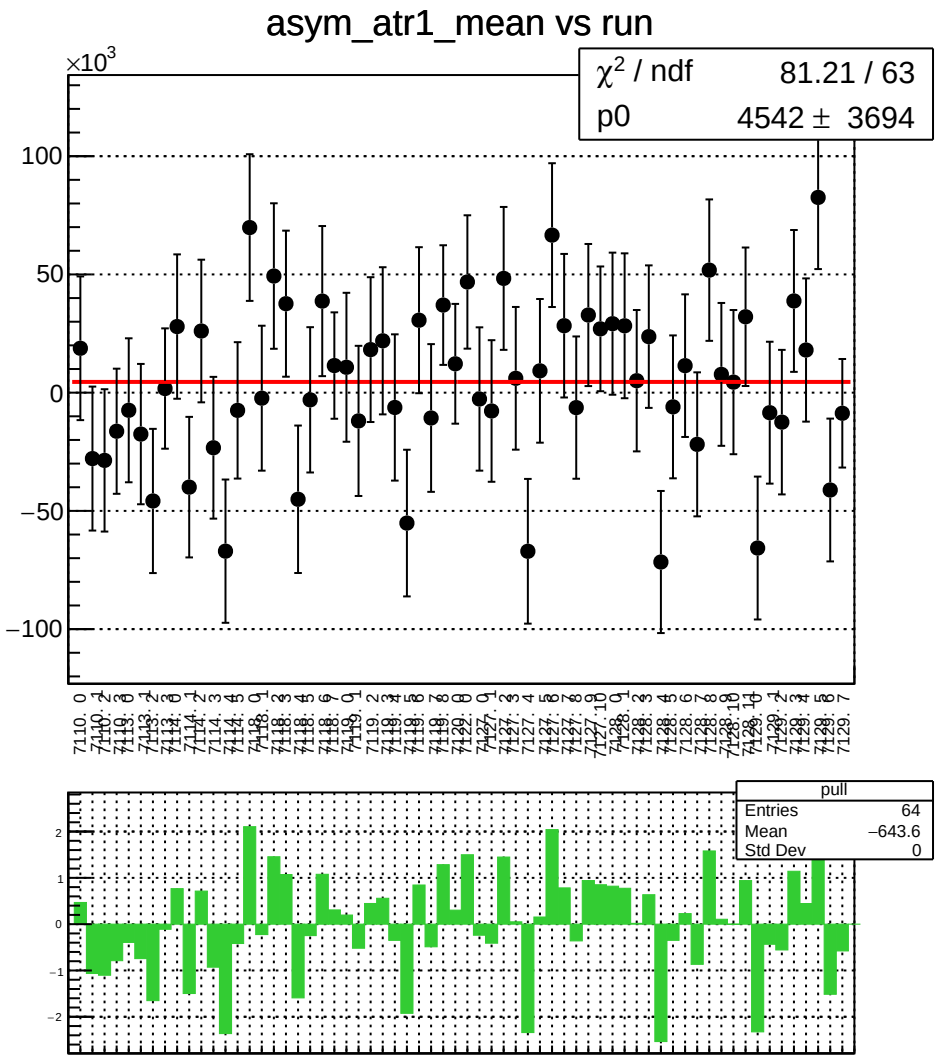

pull1D
Entries 64
Mean −0.007738
Std Dev 1.169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

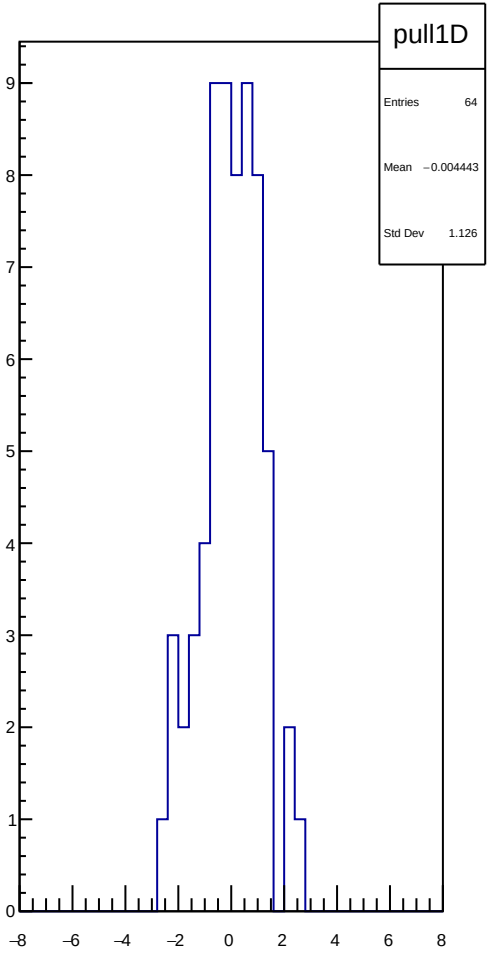

eigen_dit_asym_atr1_rms vs run
χ² / ndf 114.5 / 63
p0 2758 ± 2.491
2900
2850
2800
2750
2700

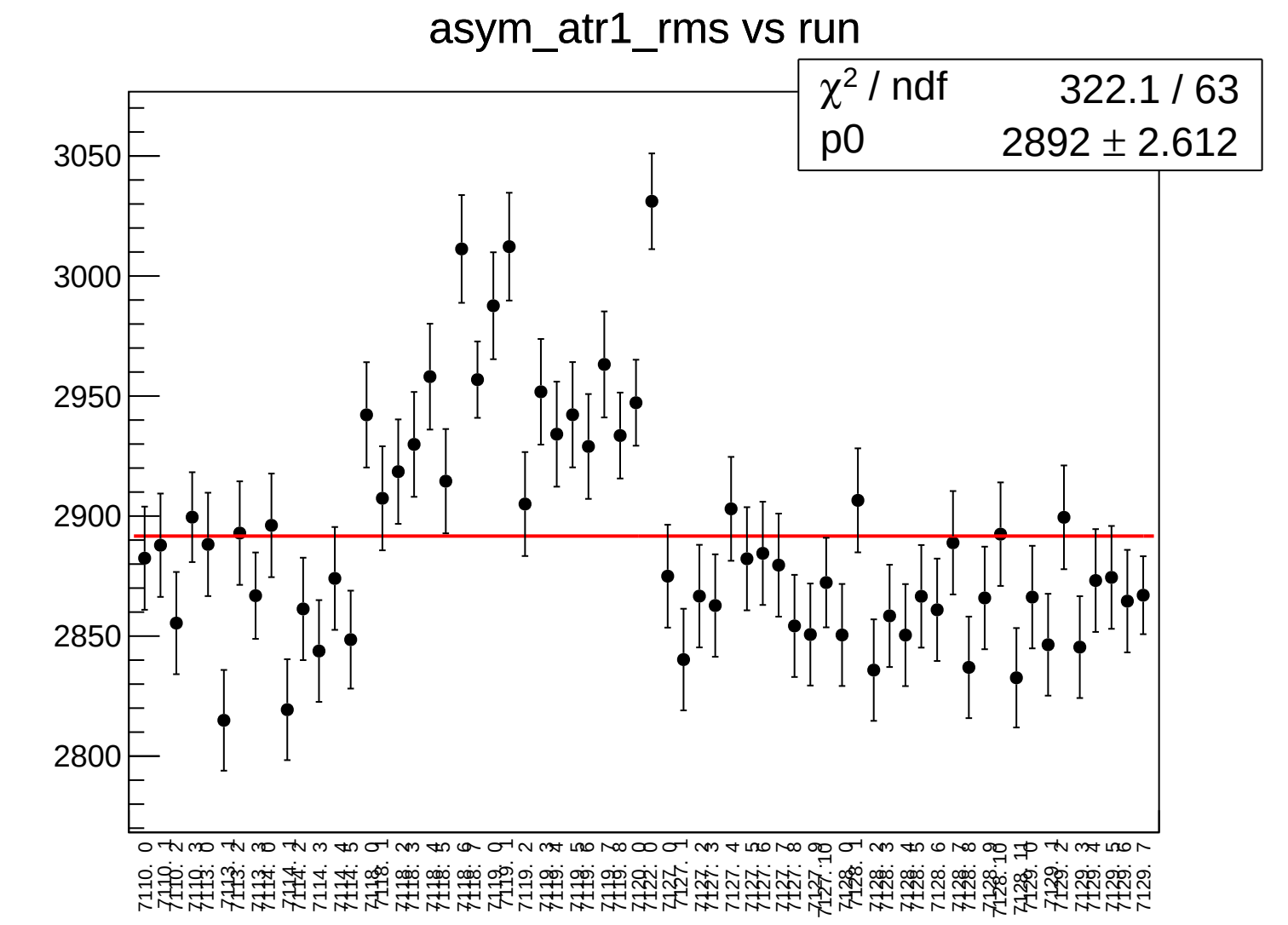

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 58.14 / 63
p0 −1824 ± 1100
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 6862
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

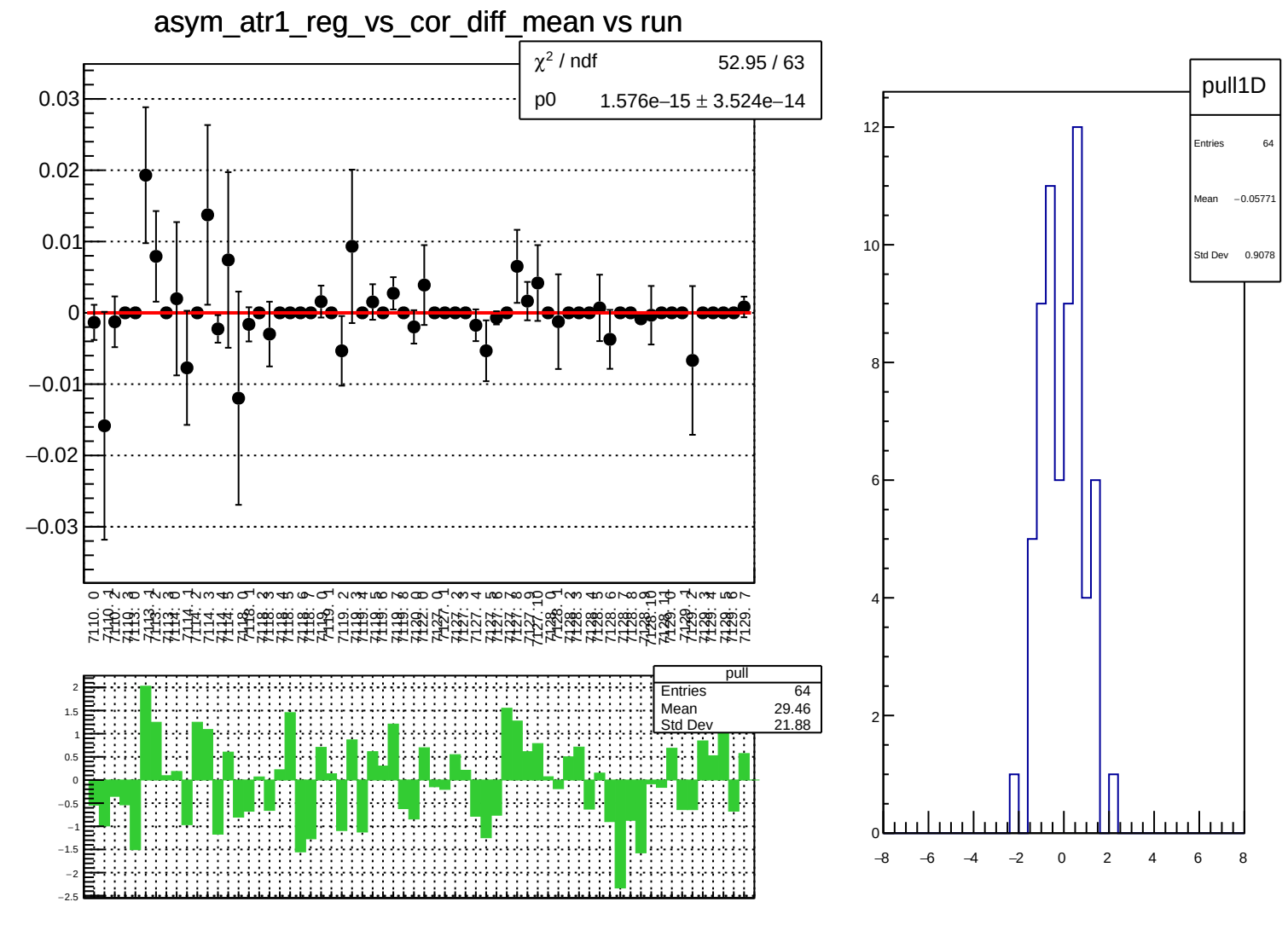

pull1D
Entries 64
Mean −0.0007151
Std Dev 0.9531
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

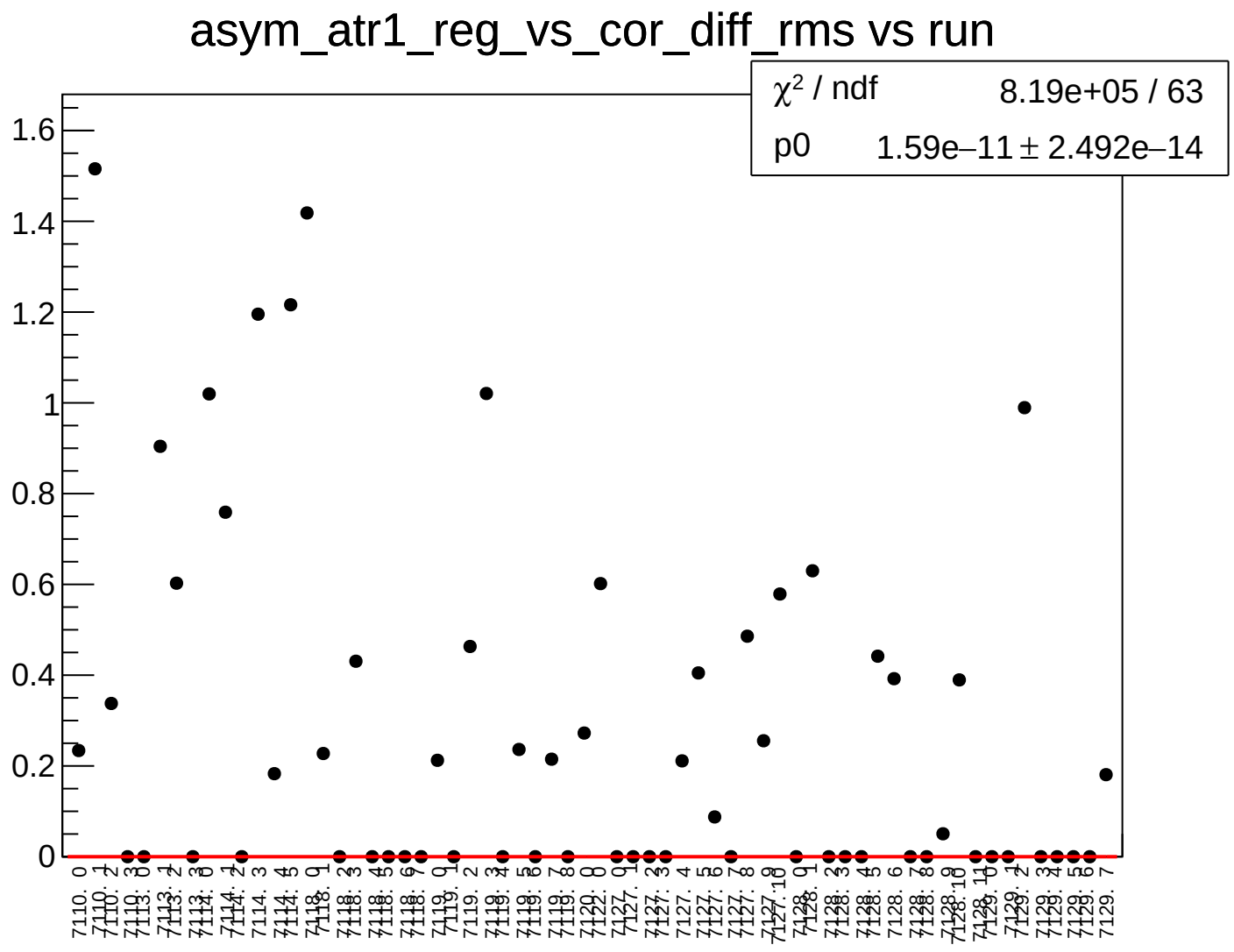

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1.246e+04 / 63
p0 857.1 ± 0.778
1100
1050
1000
950
900
850
800
750


asym_atr1_mean vs run
×10^3
χ² / ndf 81.21 / 63
p0 4542 ± 3694
100
50
0
−50
−100
pull
Entries 64
Mean −643.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 64
Mean −0.004443
Std Dev 1.126
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ^2 / ndf 322.1 / 63
p0 2892 ± 2.612
3050
3000
2950
2900
2850
2800


asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 52.95 / 63
p0 1.576e−15 ± 3.524e−14
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 64
Mean 29.46
Std Dev 21.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 64
Mean −0.05771
Std Dev 0.9078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.19e+05 / 63
p0 1.59e−11 ± 2.492e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
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7129. 0
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7129. 2
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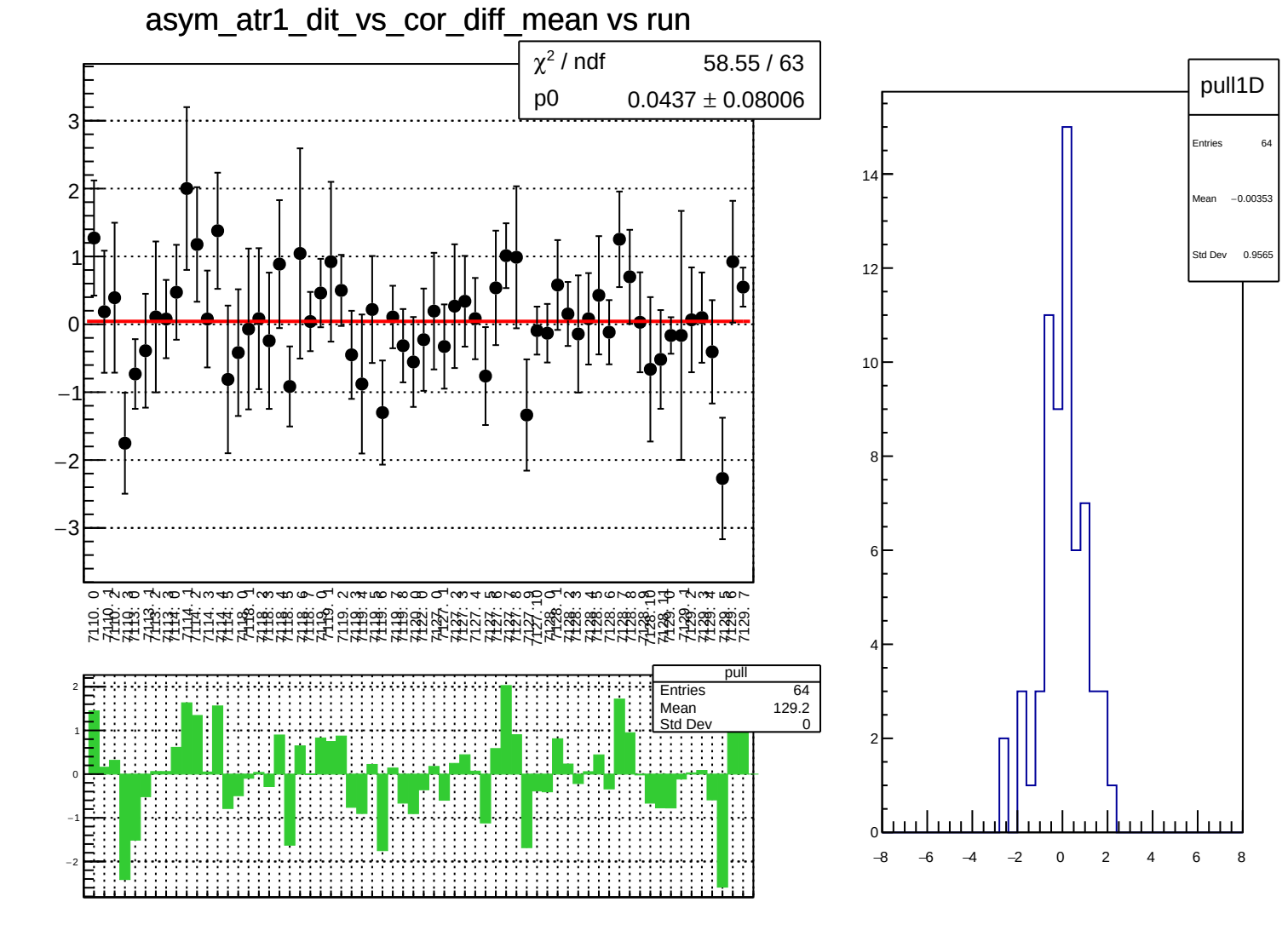
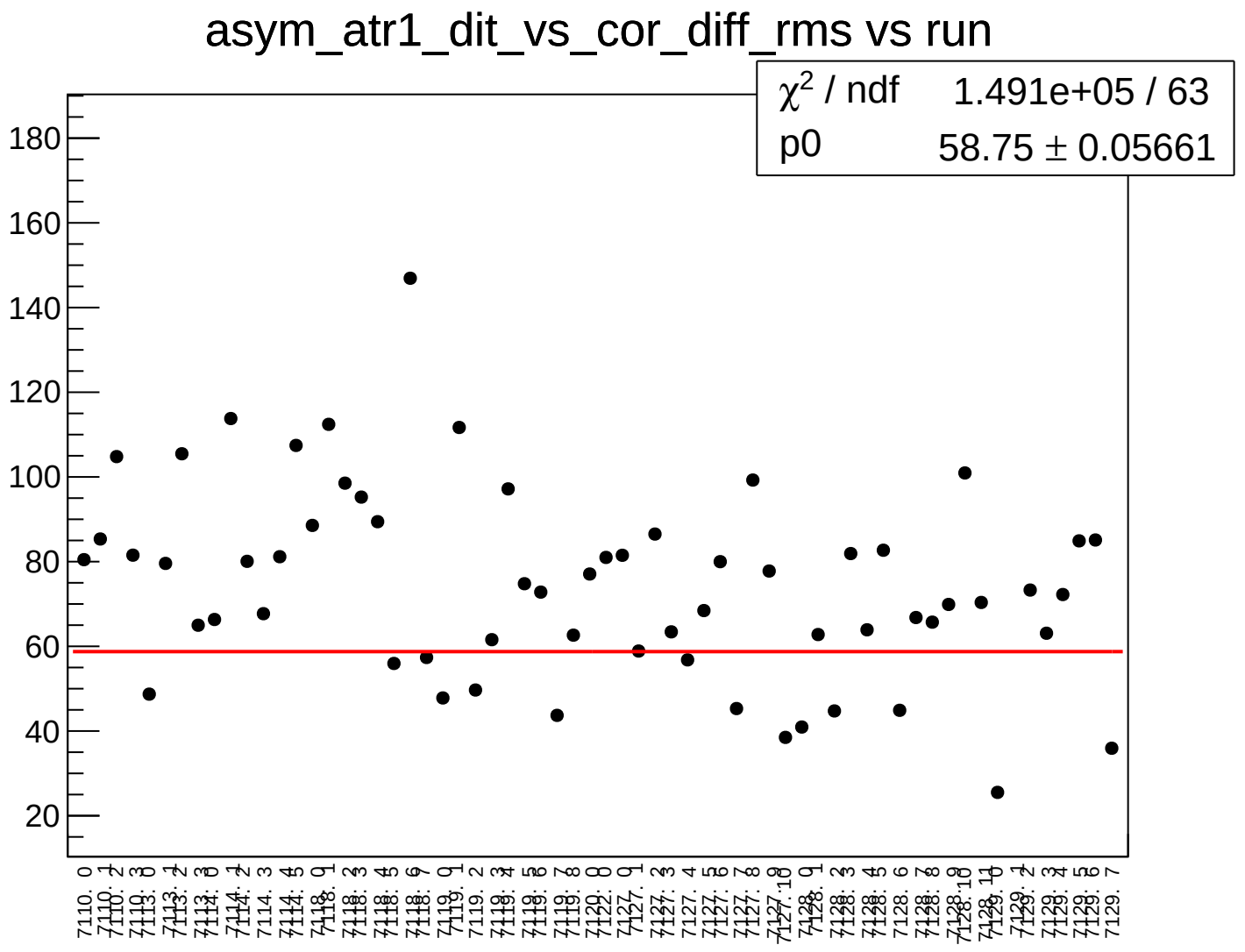
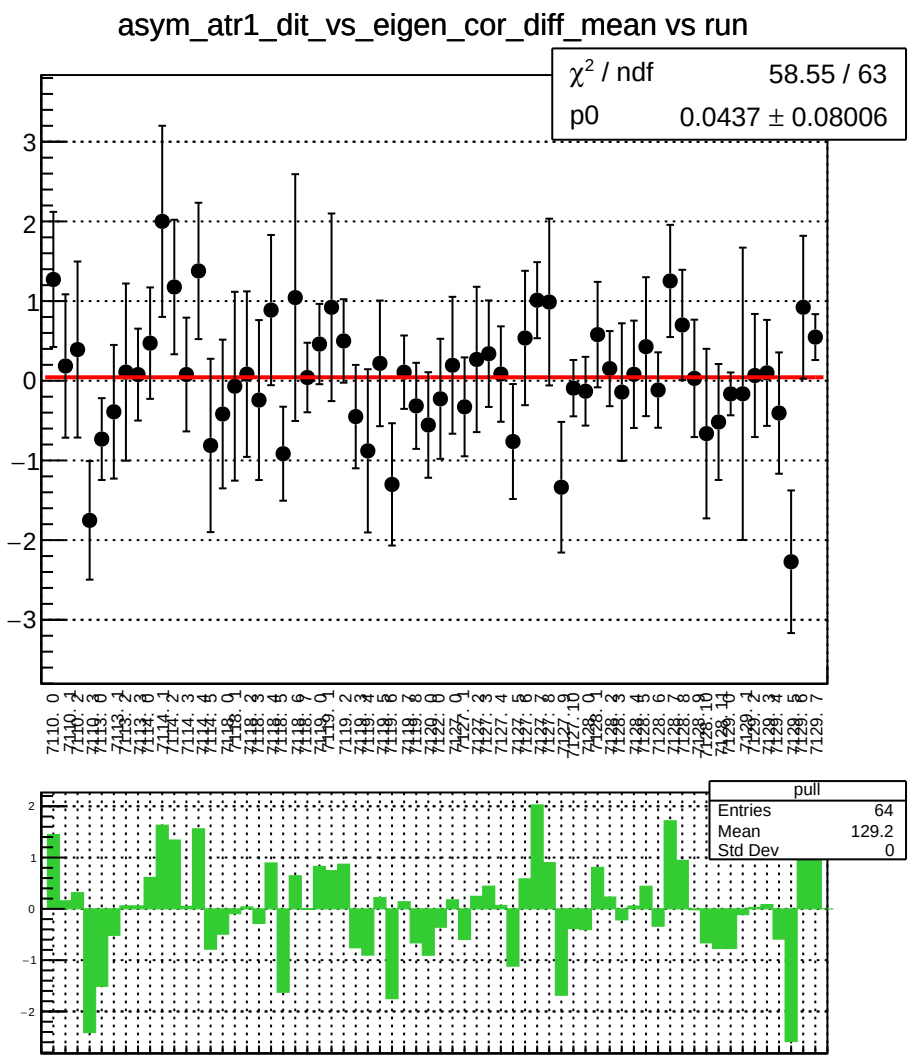
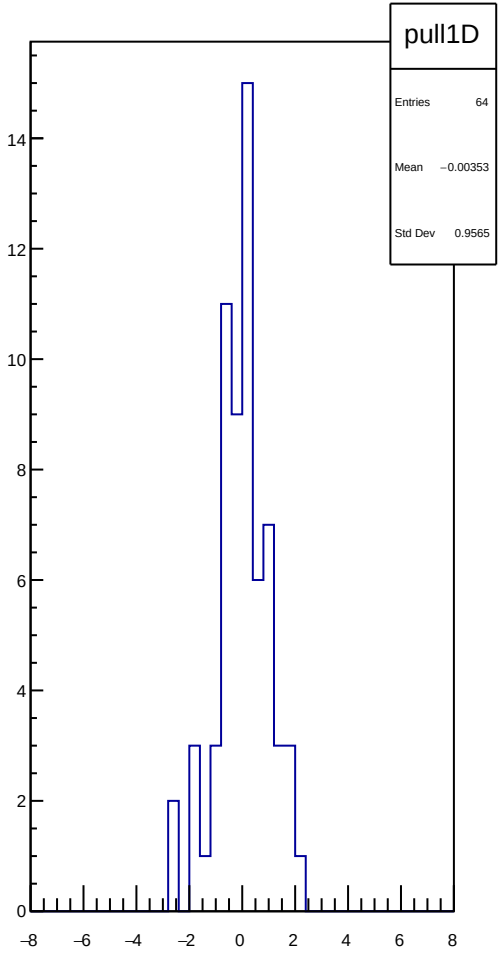
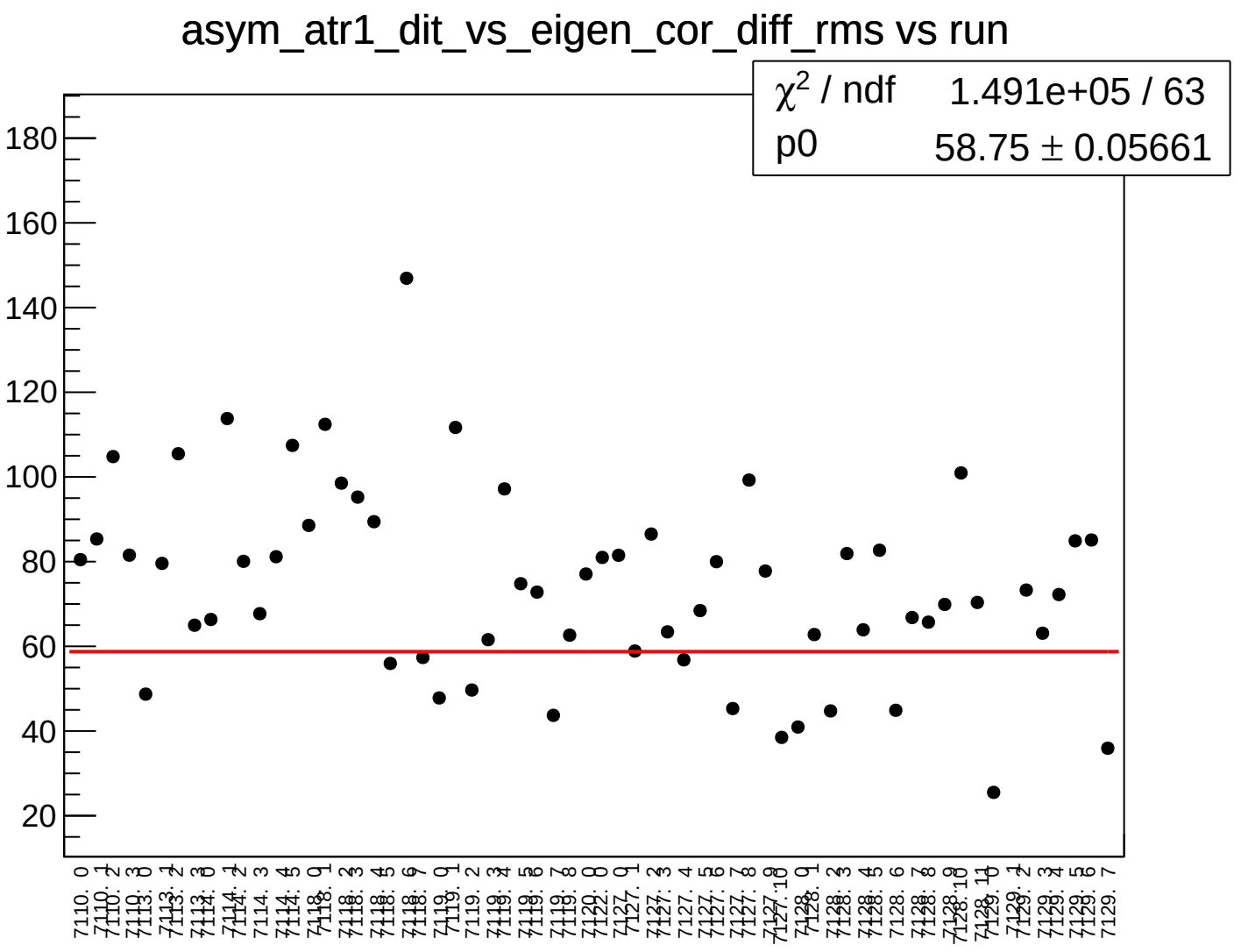
7129. 6
7129. 7

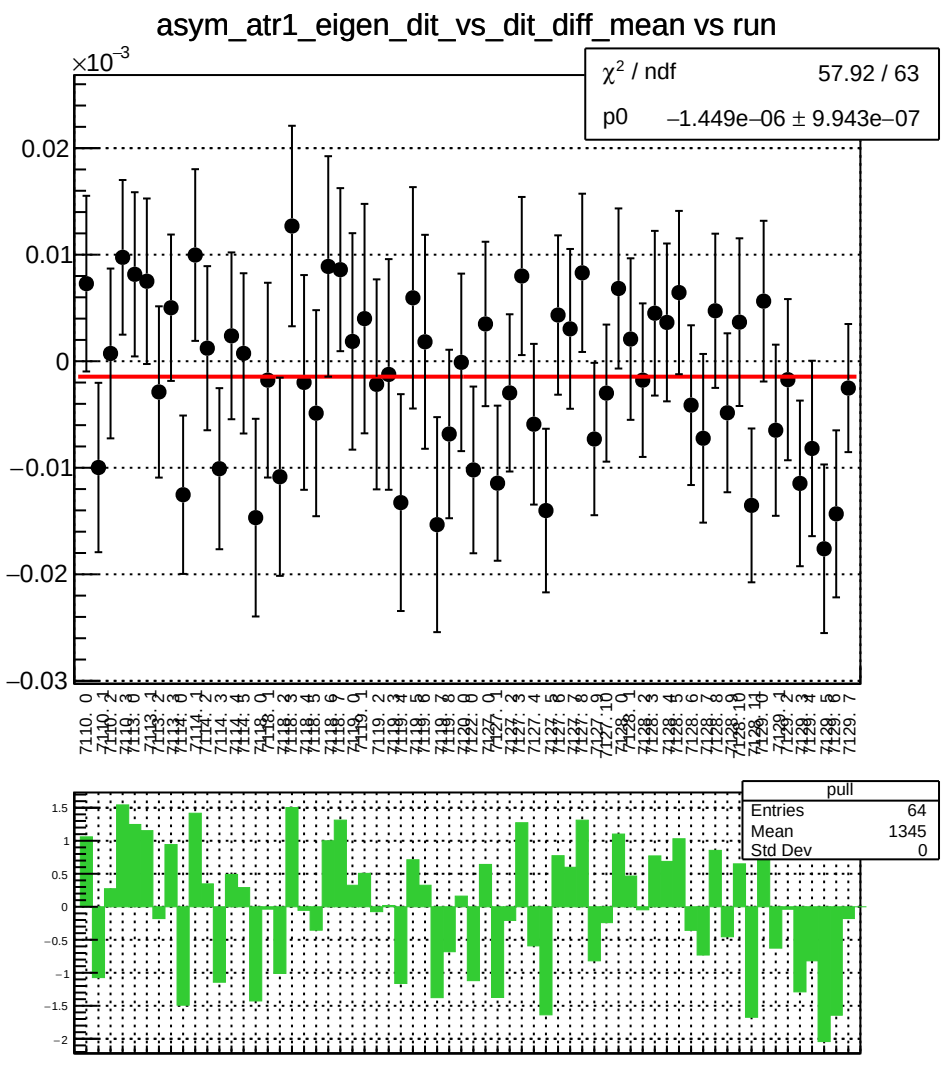

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 58.55 / 63
p0 0.0437 ± 0.08006
pull
Entries 64
Mean 129.2
Std Dev 0
pull1D
Entries 64
Mean −0.00353
Std Dev 0.9565

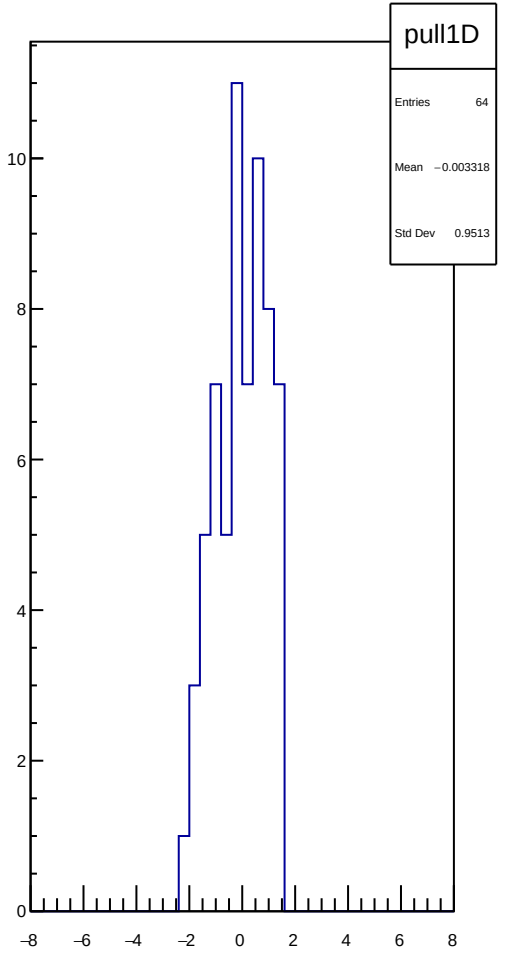

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 63
p0 58.75 ± 0.05661
180
160
140
120
100
80
60
40
20

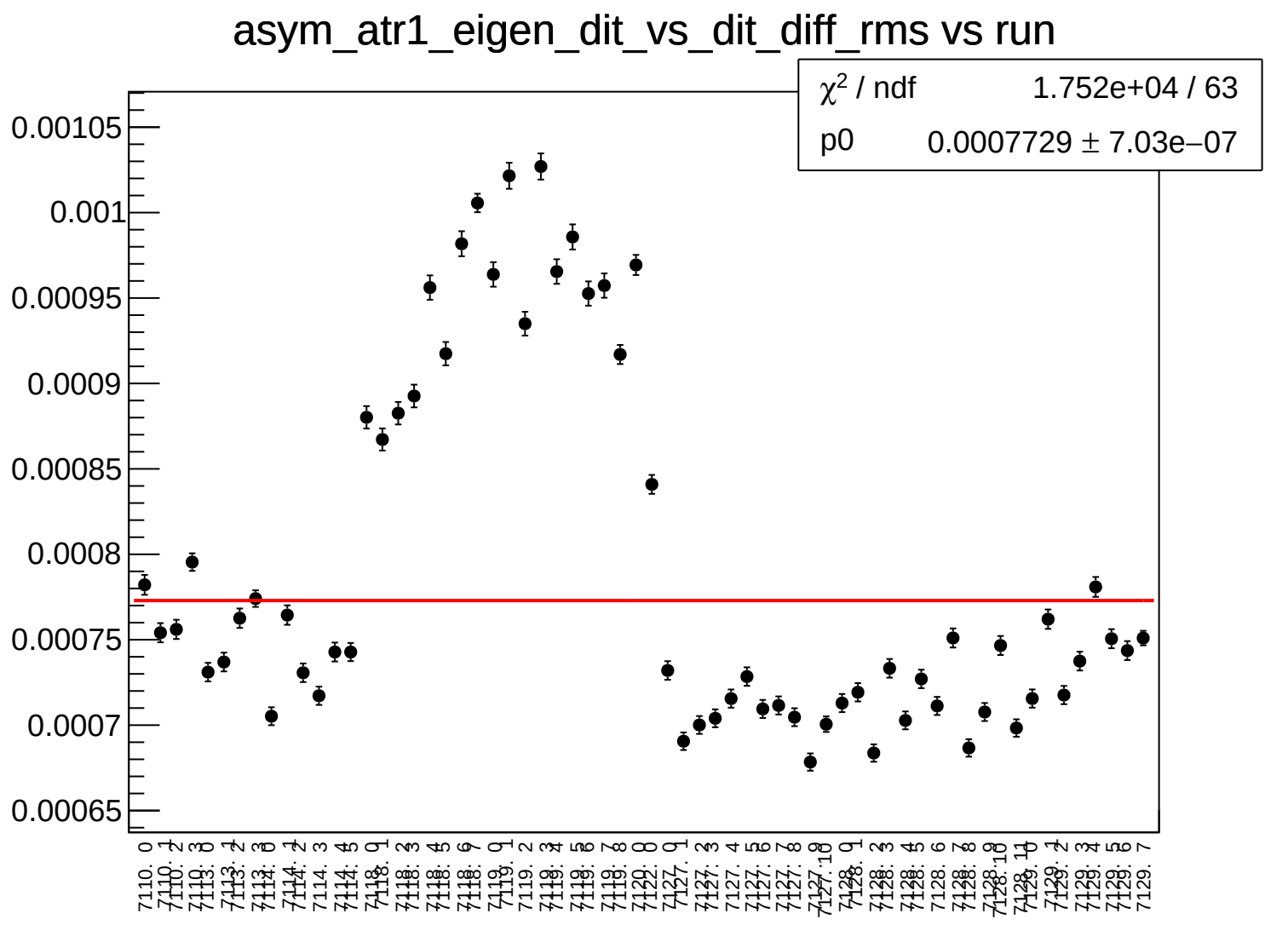

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.55 / 63
p0 0.0437 ± 0.08006
pull
Entries 64
Mean 129.2
Std Dev 0

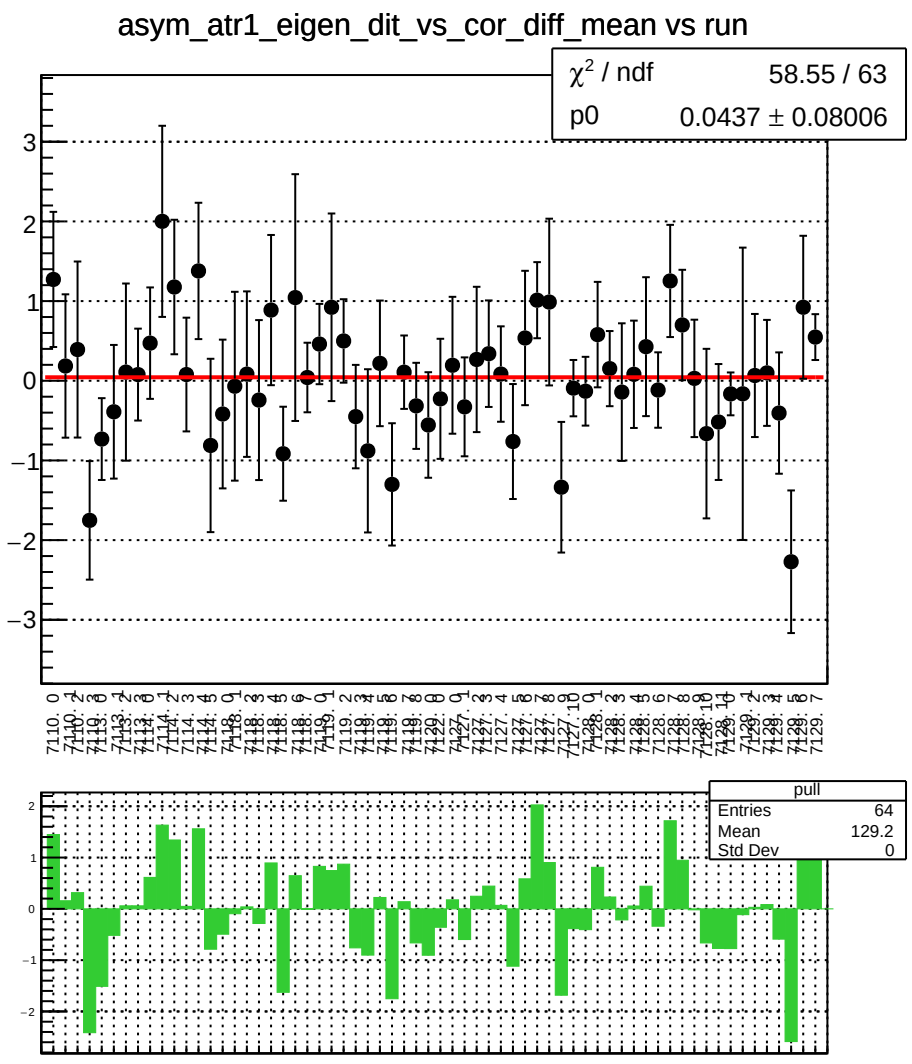

pull1D
Entries 64
Mean −0.00353
Std Dev 0.9565

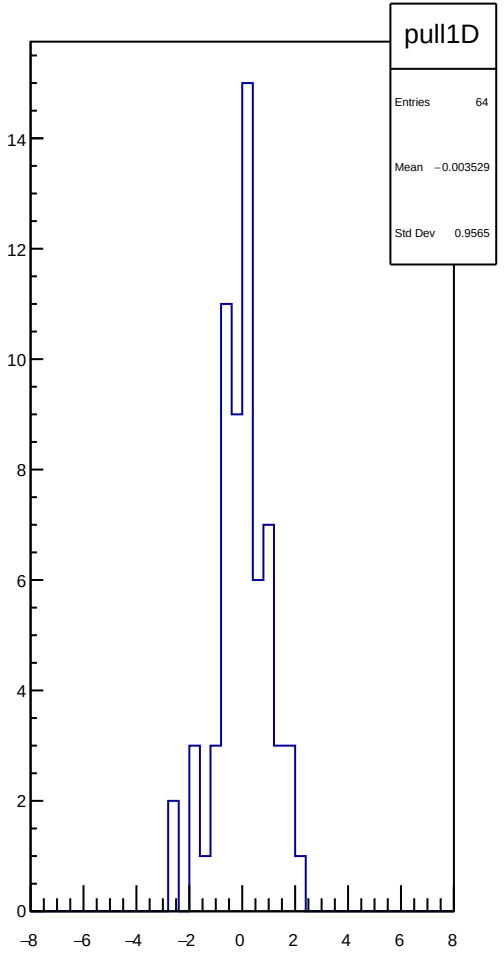

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 63
p0 58.75 ± 0.05661
180
160
140
120
100
80
60
40
20

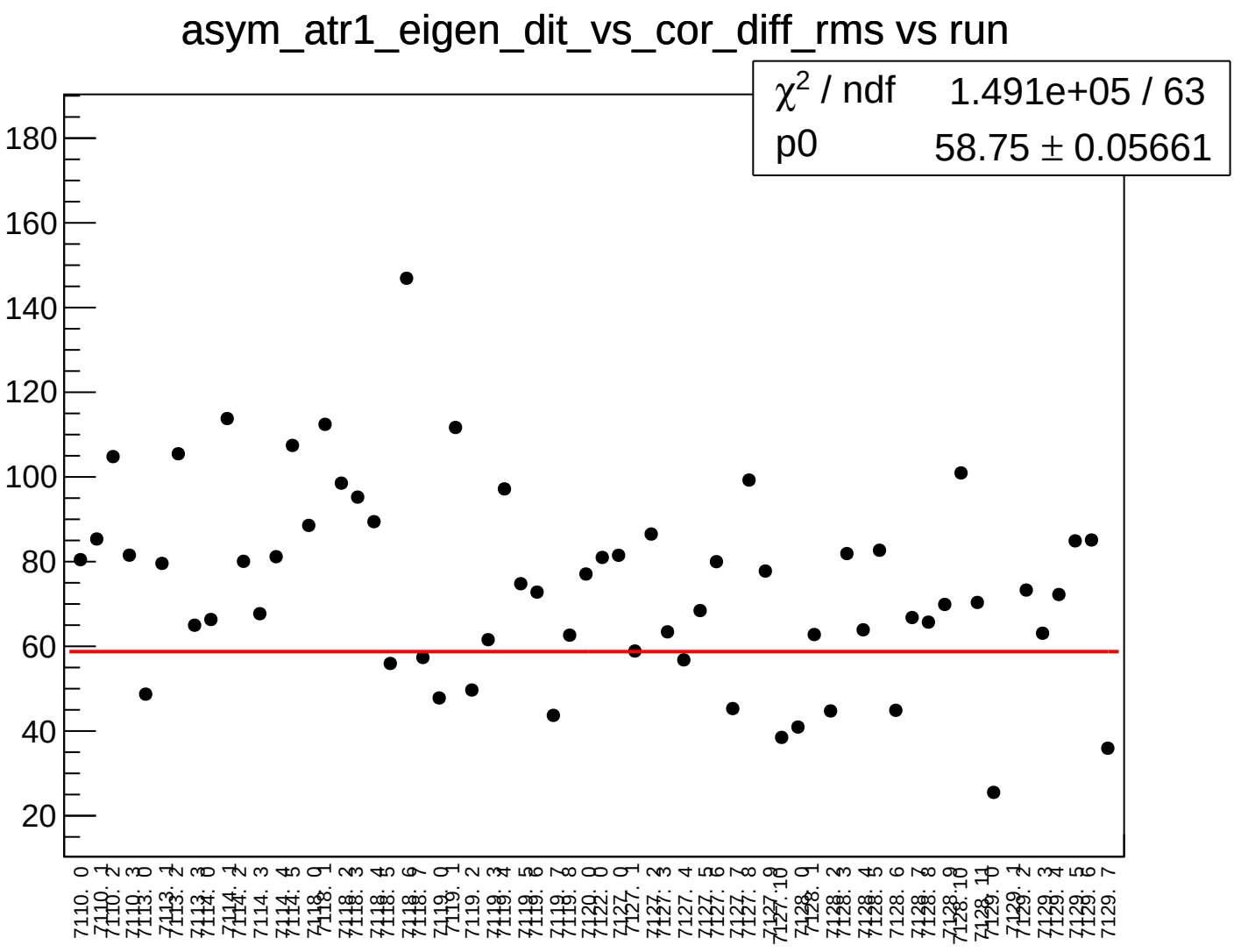

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 57.92 / 63
p0 −1.449e−06 ± 9.943e−07
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 64
Mean 1345
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

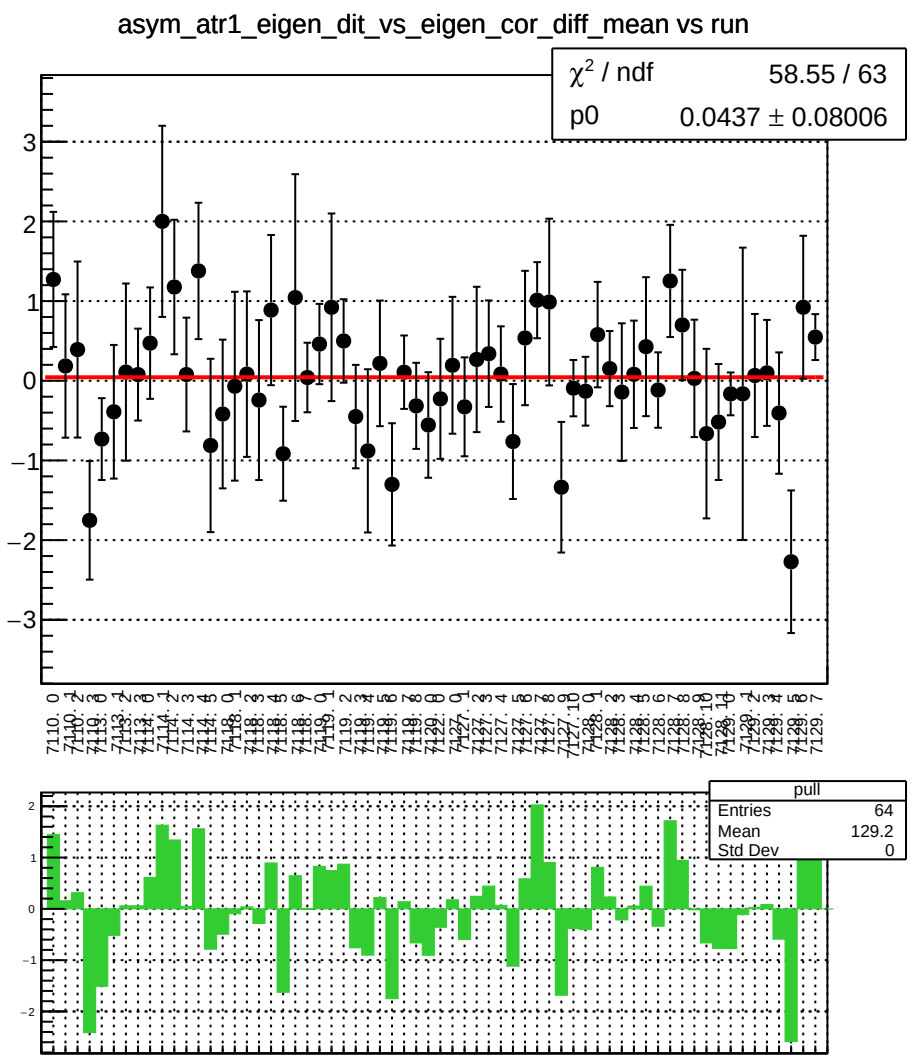

pull1D
Entries 64
Mean −0.003318
Std Dev 0.9513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

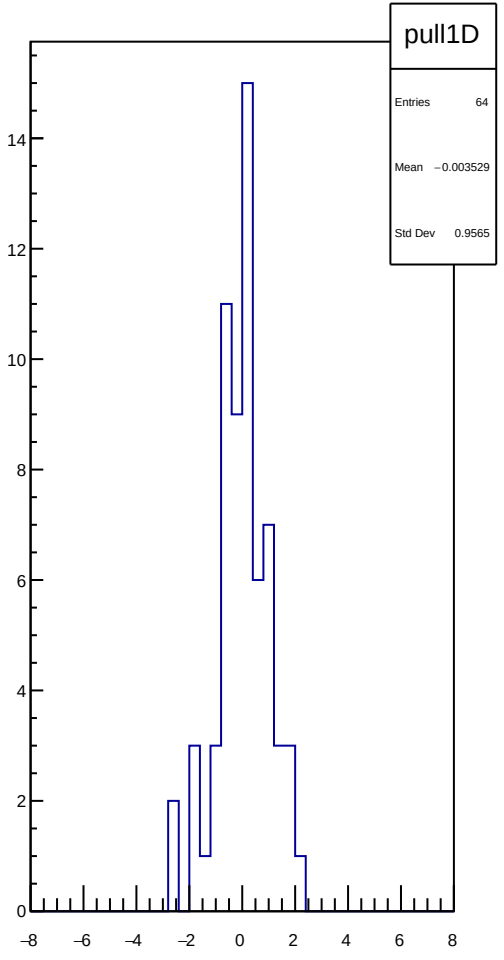

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.752e+04 / 63
p0 0.0007729 ± 7.03e−07
0.00105
0.001
0.00095
0.0009
0.00085
0.0008
0.00075
0.0007
0.00065

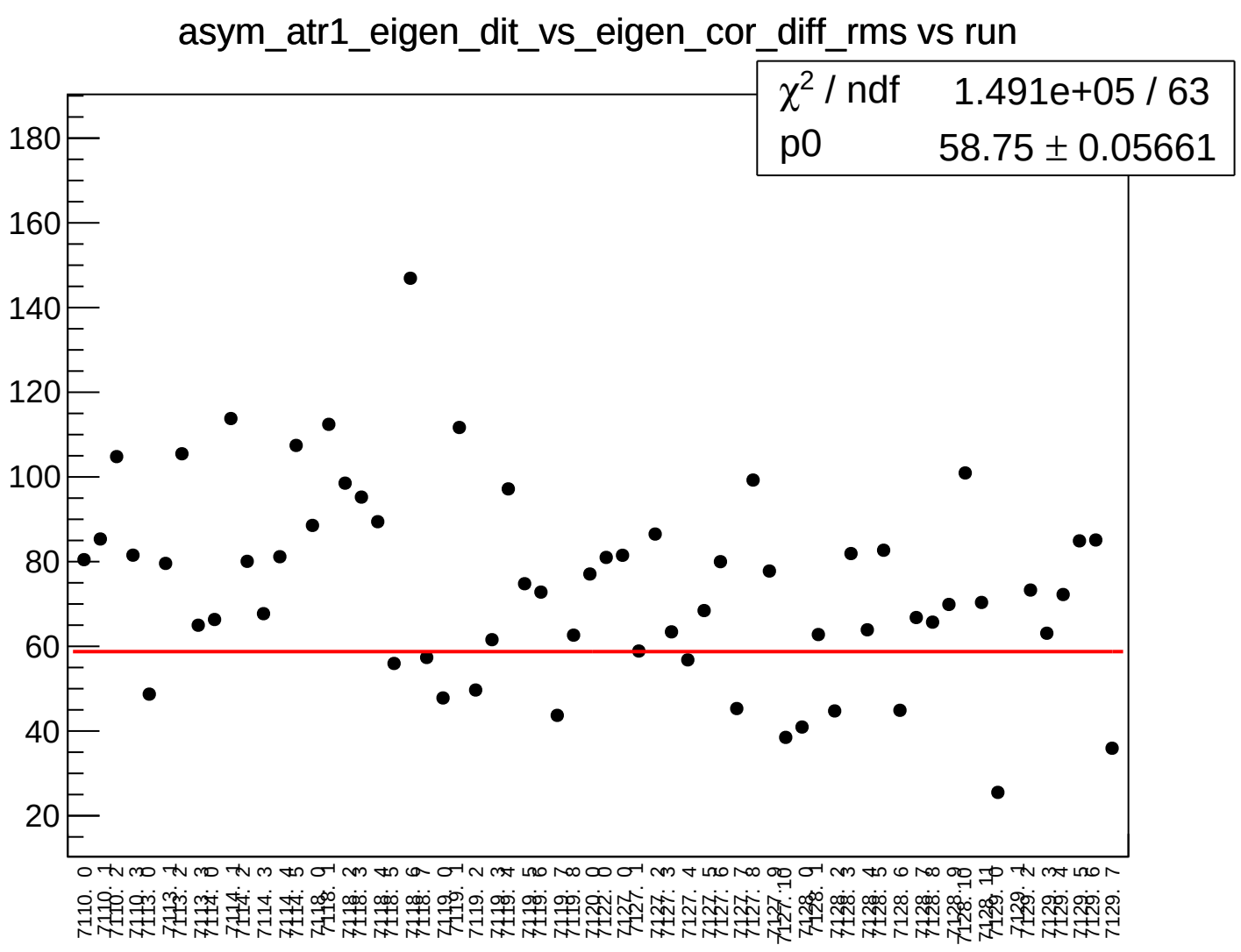

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.55 / 63
p0 0.0437 ± 0.08006
pull
Entries 64
Mean 129.2
Std Dev 0

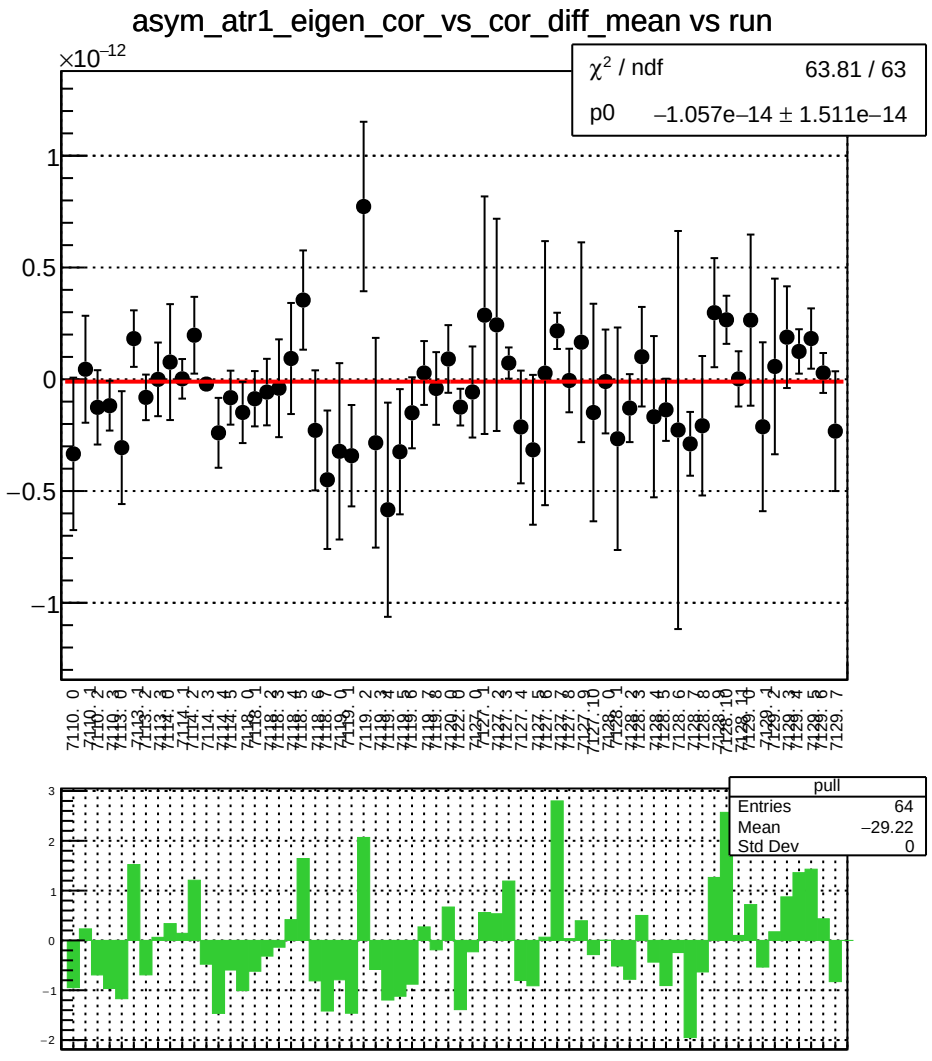

pull1D
Entries 64
Mean −0.003529
Std Dev 0.9565

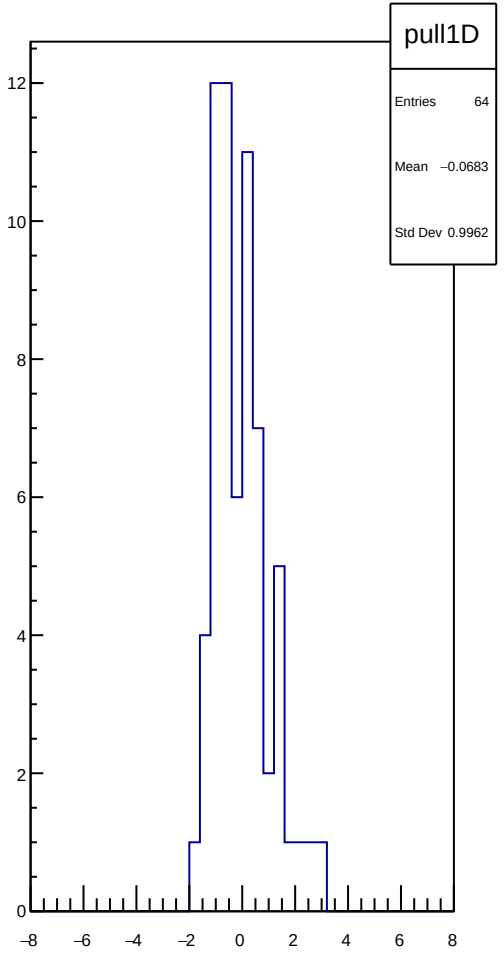

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 63
p0 58.75 ± 0.05661
180
160
140
120
100
80
60
40
20

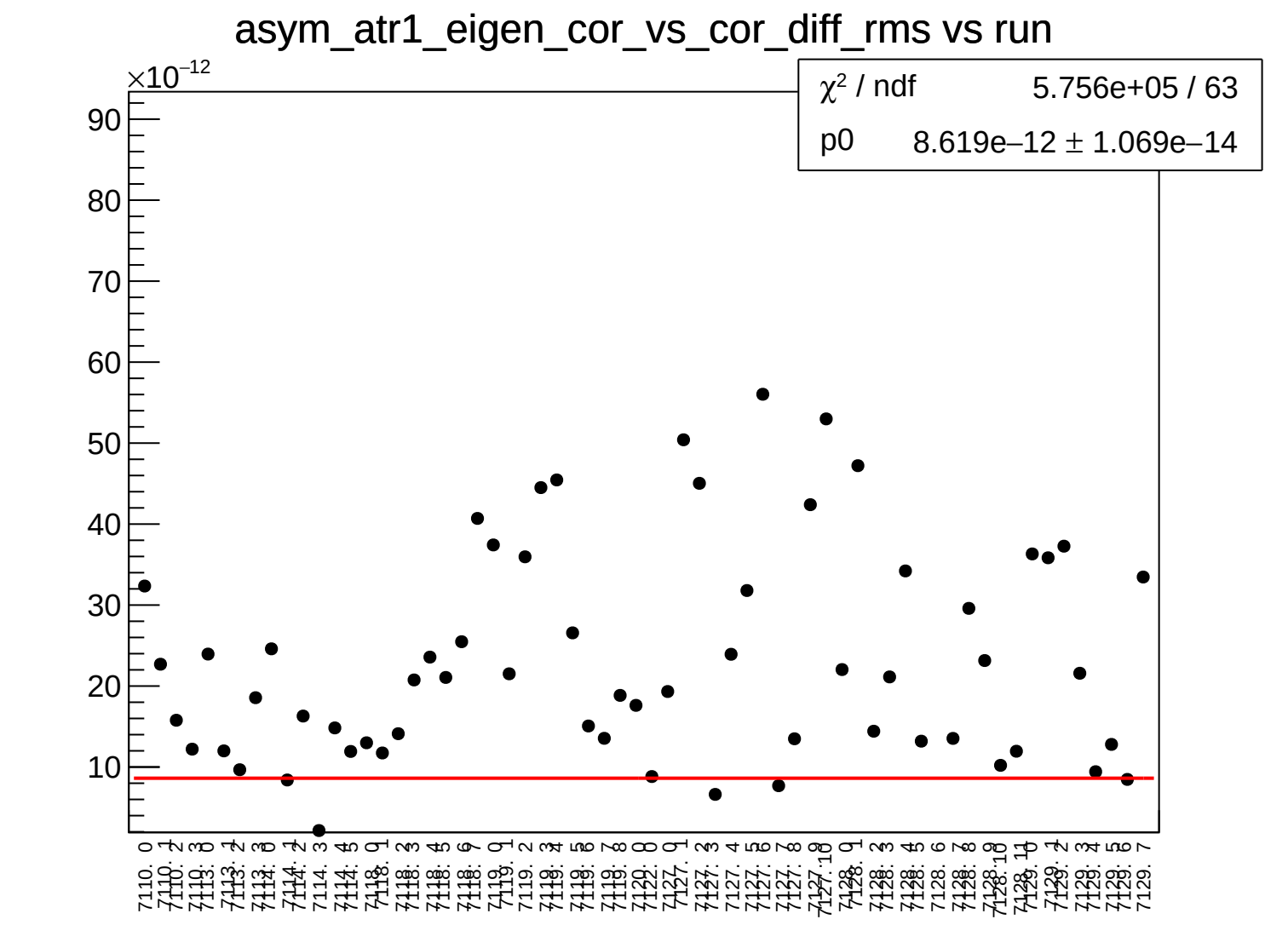

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.55 / 63
p0 0.0437 ± 0.08006
pull
Entries 64
Mean 129.2
Std Dev 0

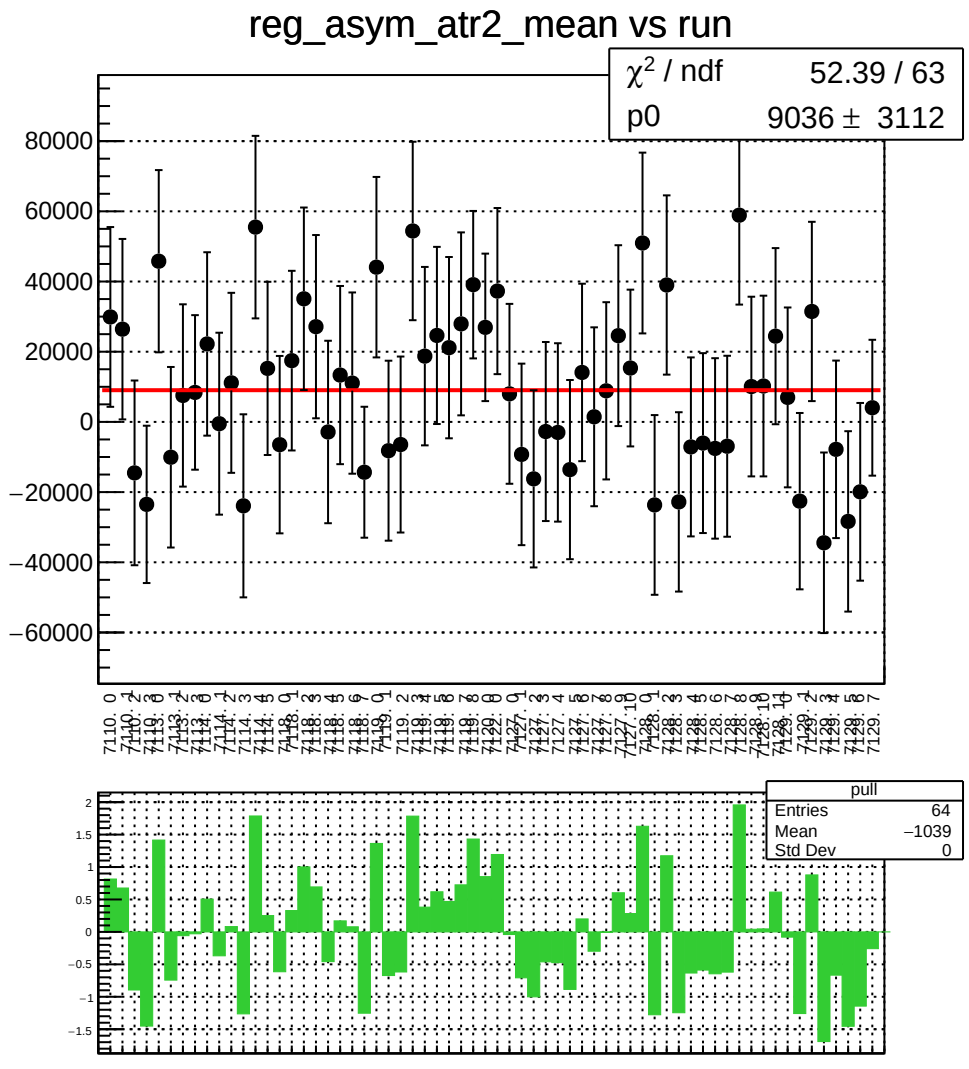

pull1D
Entries 64
Mean −0.003529
Std Dev 0.9565

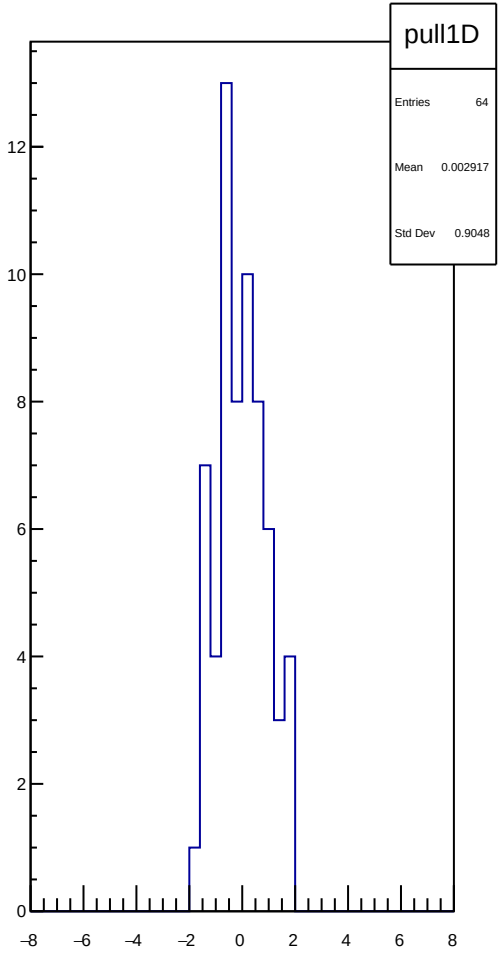

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 63
p0 58.75 ± 0.05661
180
160
140
120
100
80
60
40
20

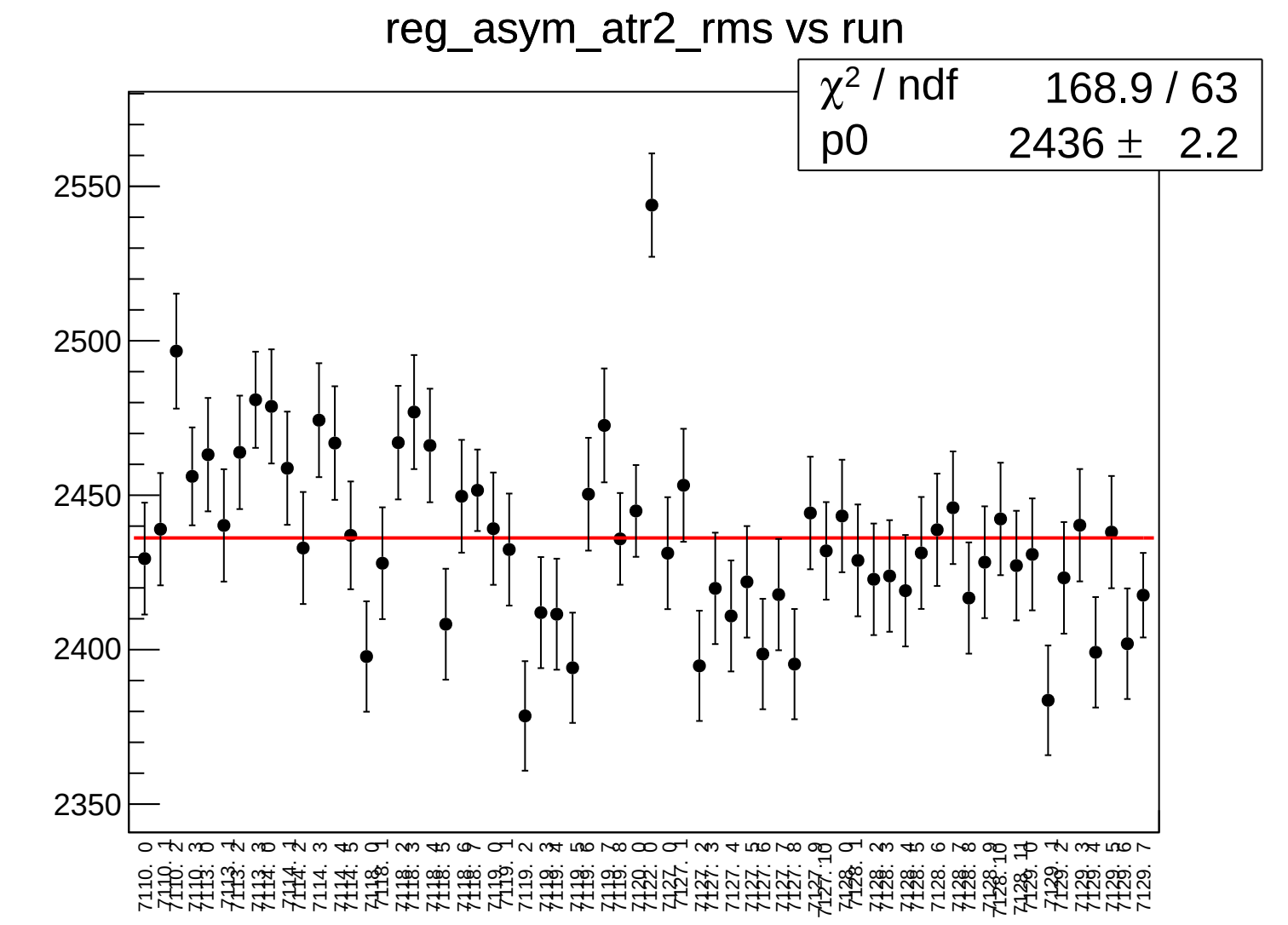

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.81 / 63
p0 −1.057e−14 ± 1.511e−14
pull
Entries 64
Mean −29.22
Std Dev 0

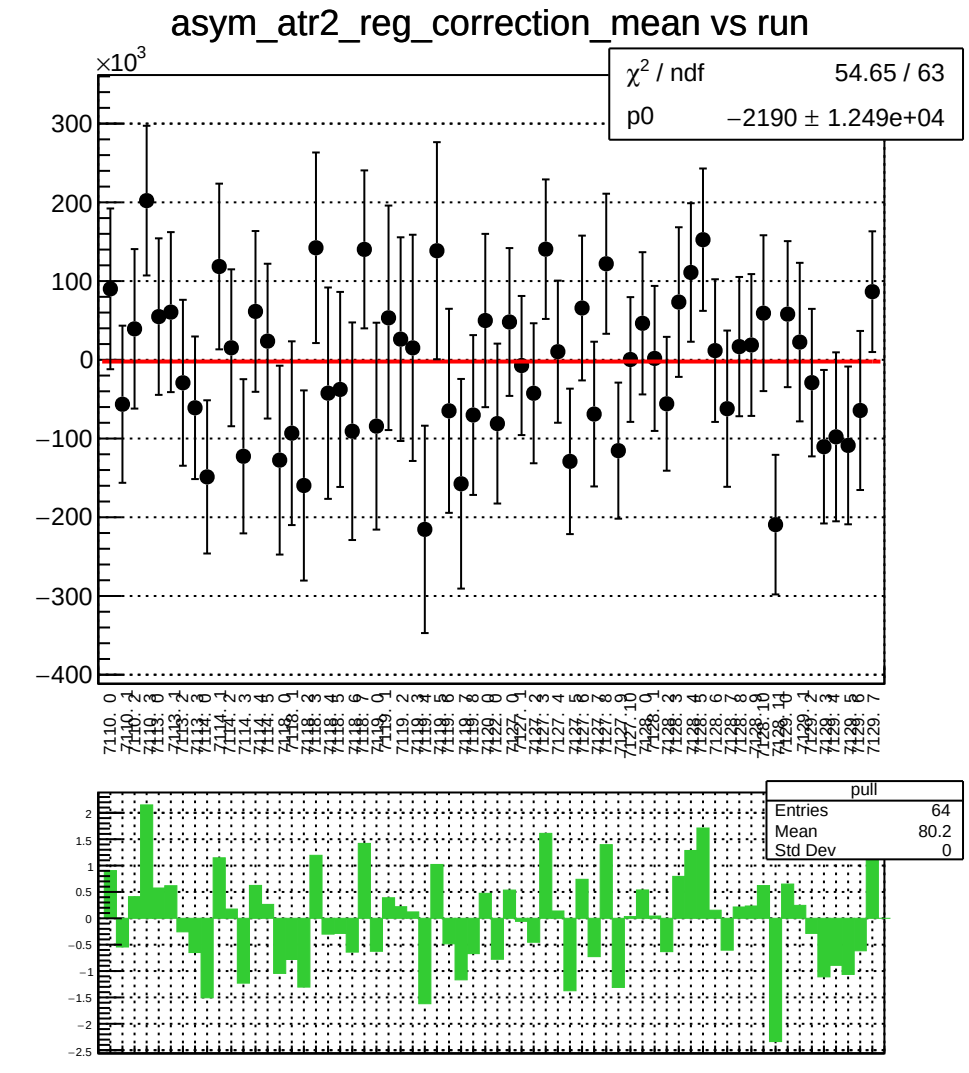

pull1D
Entries 64
Mean −0.0683
Std Dev 0.9962

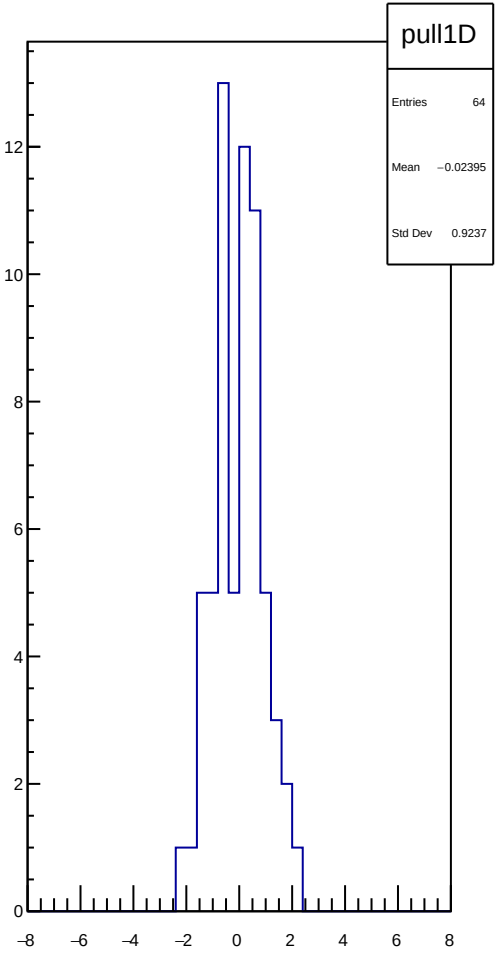

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.756e+05 / 63
p0 8.619e−12 ± 1.069e−14
90
80
70
60
50
40
30
20
10

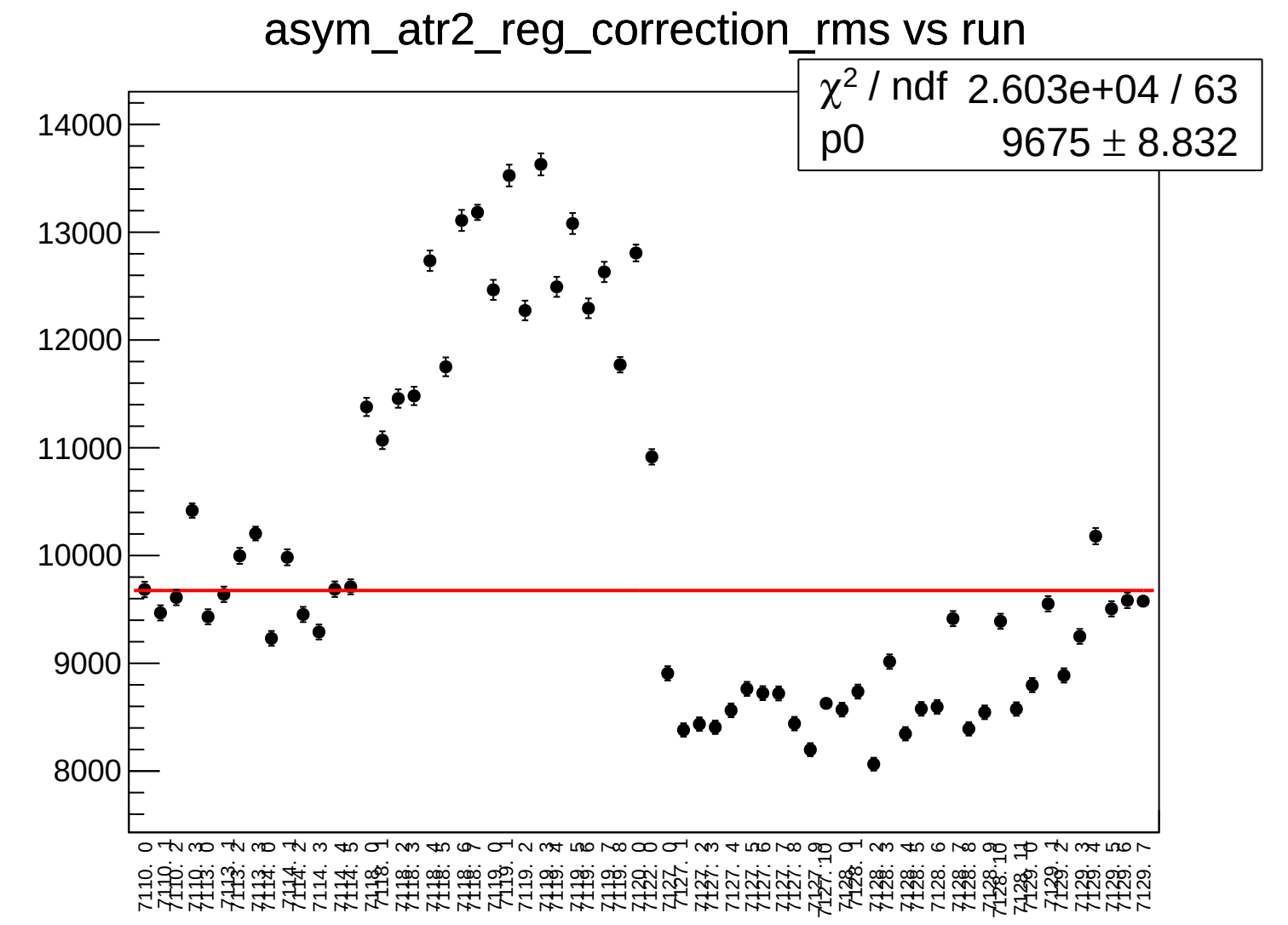

reg_asym_atr2_mean vs run
χ^2 / ndf 52.39 / 63
p0 9036 ± 3112
pull
Entries 64
Mean −1039
Std Dev 0

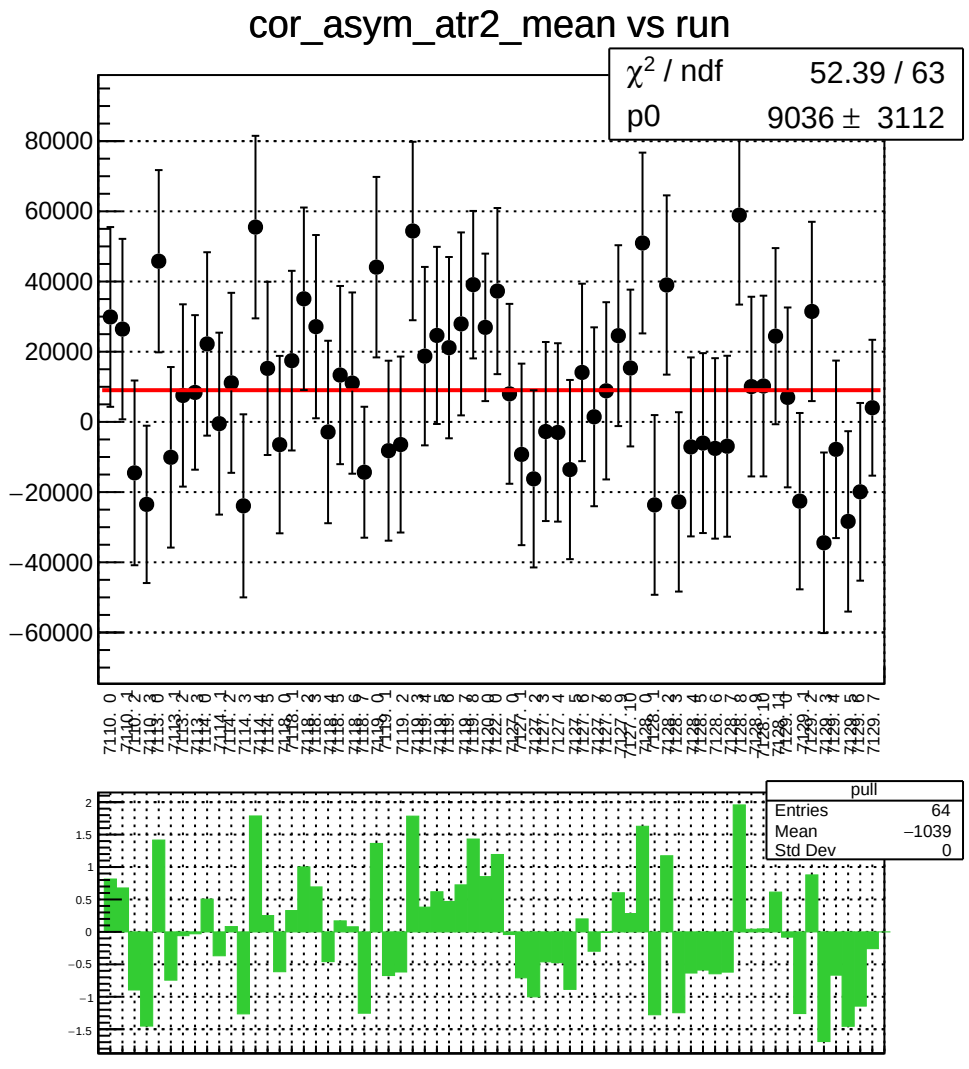

pull1D
Entries 64
Mean 0.002917
Std Dev 0.9048

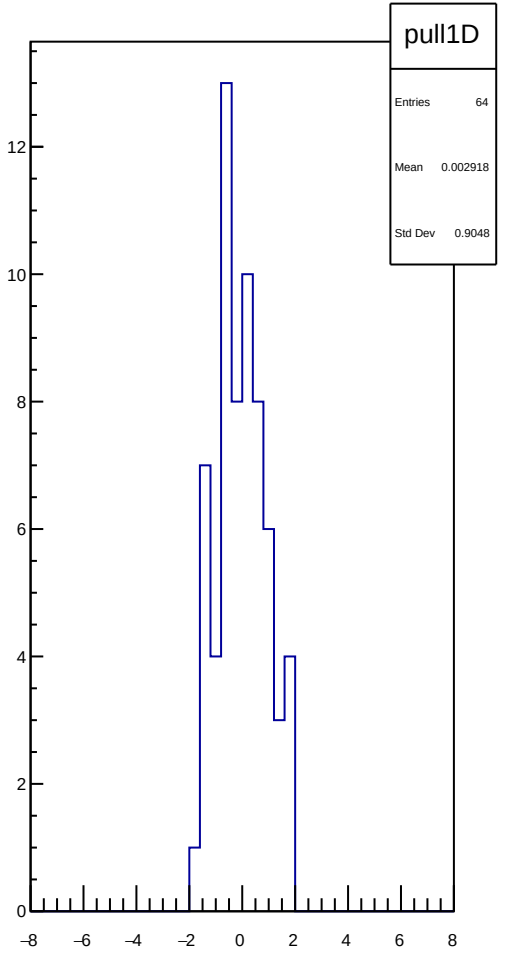

reg_asym_atr2_rms vs run
χ² / ndf 168.9 / 63
p0 2436 ± 2.2
2550
2500
2450
2400
2350

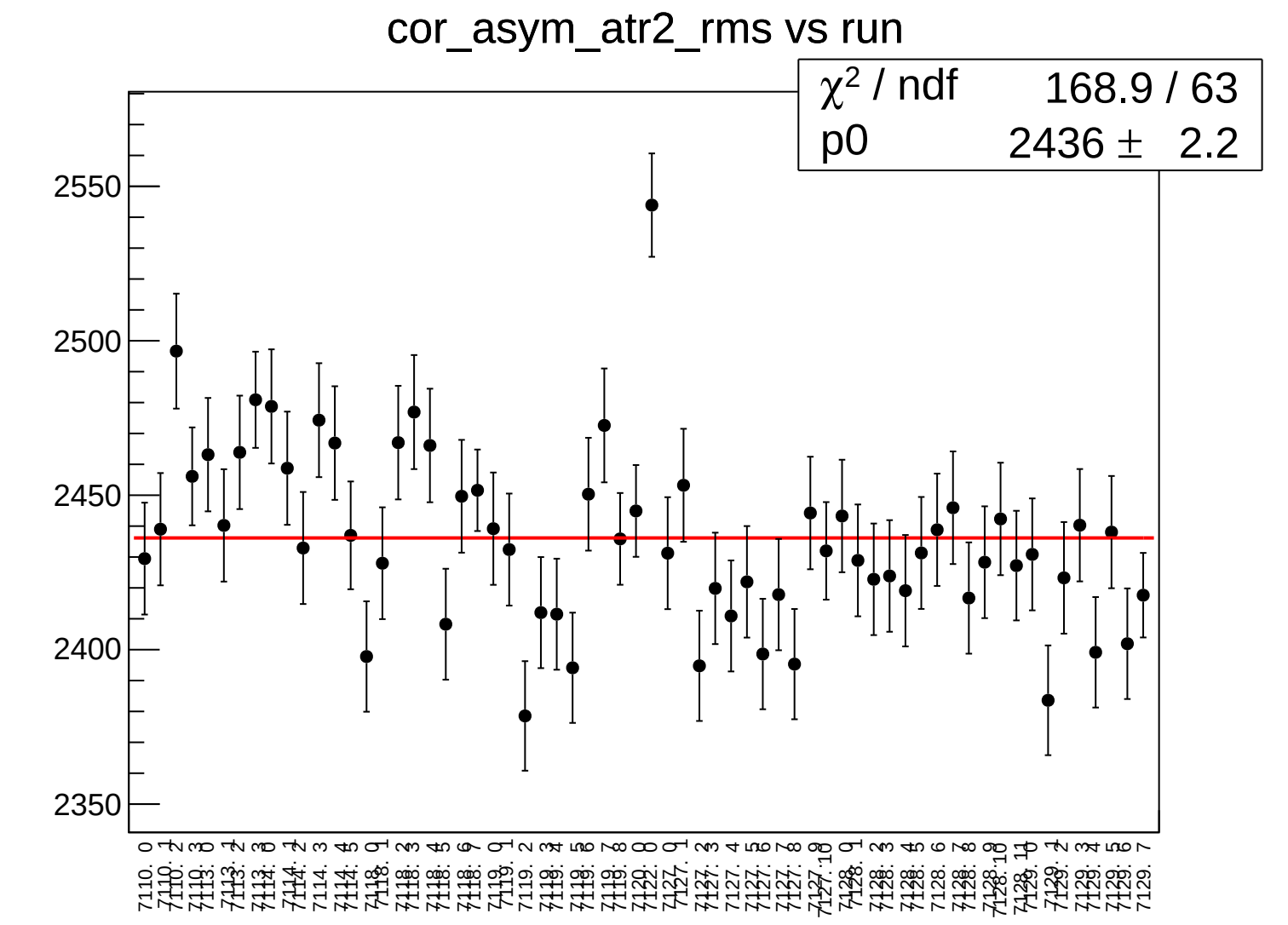

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 54.65 / 63
p0 −2190 ± 1.249e+04
pull
Entries 64
Mean 80.2
Std Dev 0

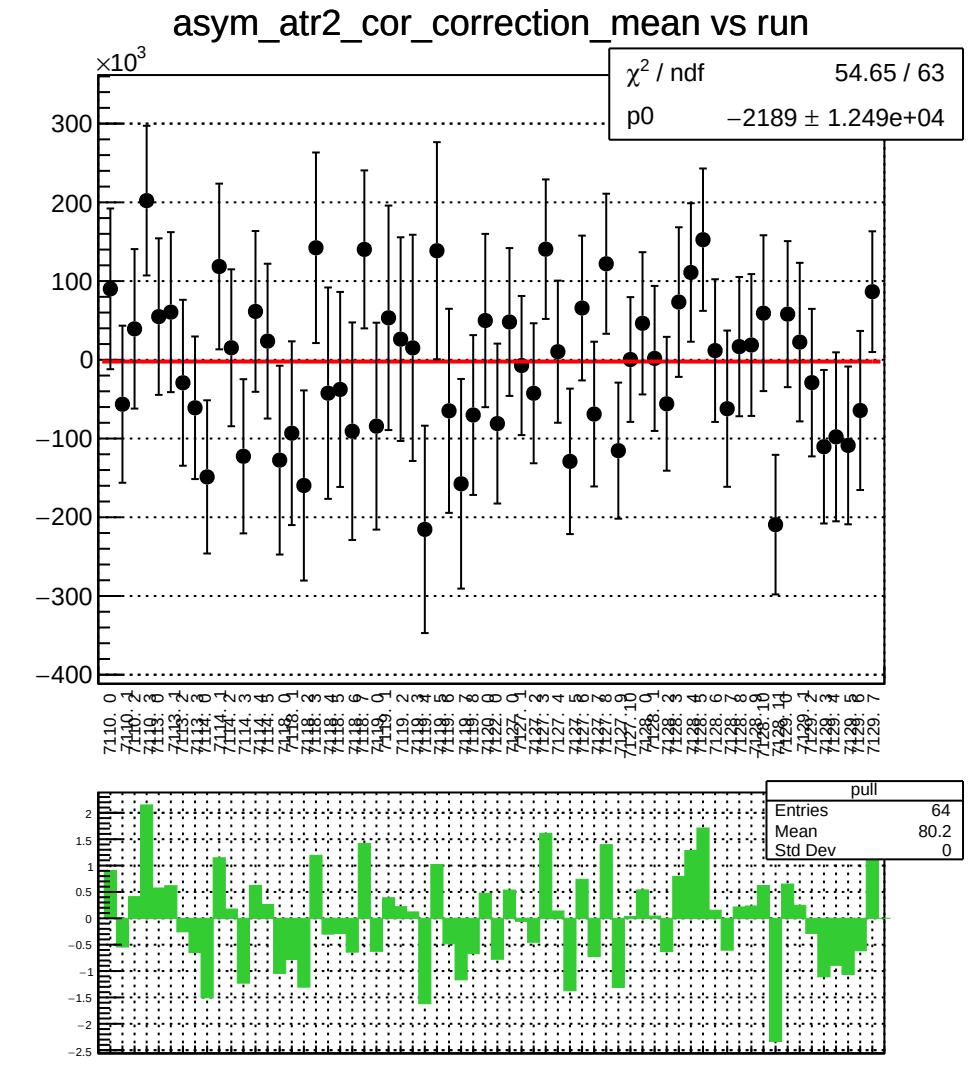

pull1D
Entries 64
Mean −0.02395
Std Dev 0.9237

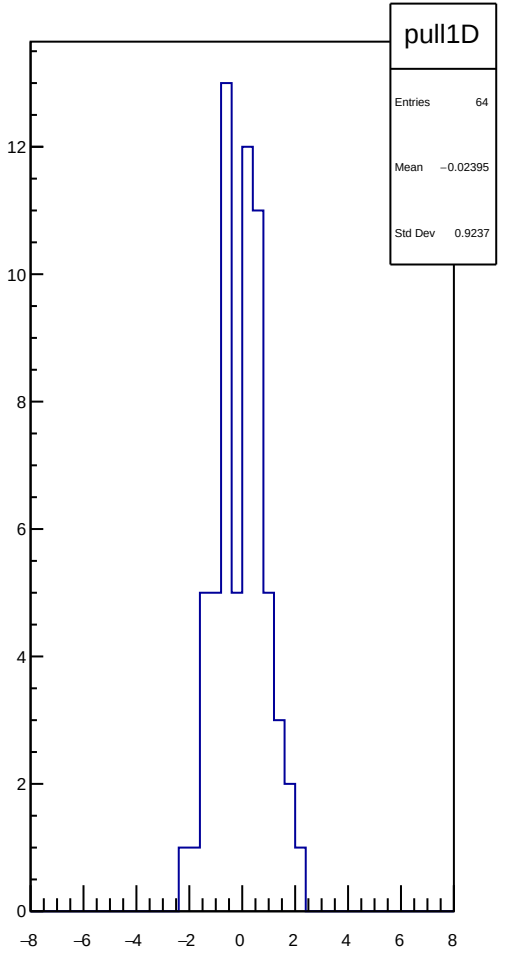

asym_atr2_reg_correction_rms vs run
χ² / ndf 2.603e+04 / 63
p0 9675 ± 8.832
14000
13000
12000
11000
10000
9000
8000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

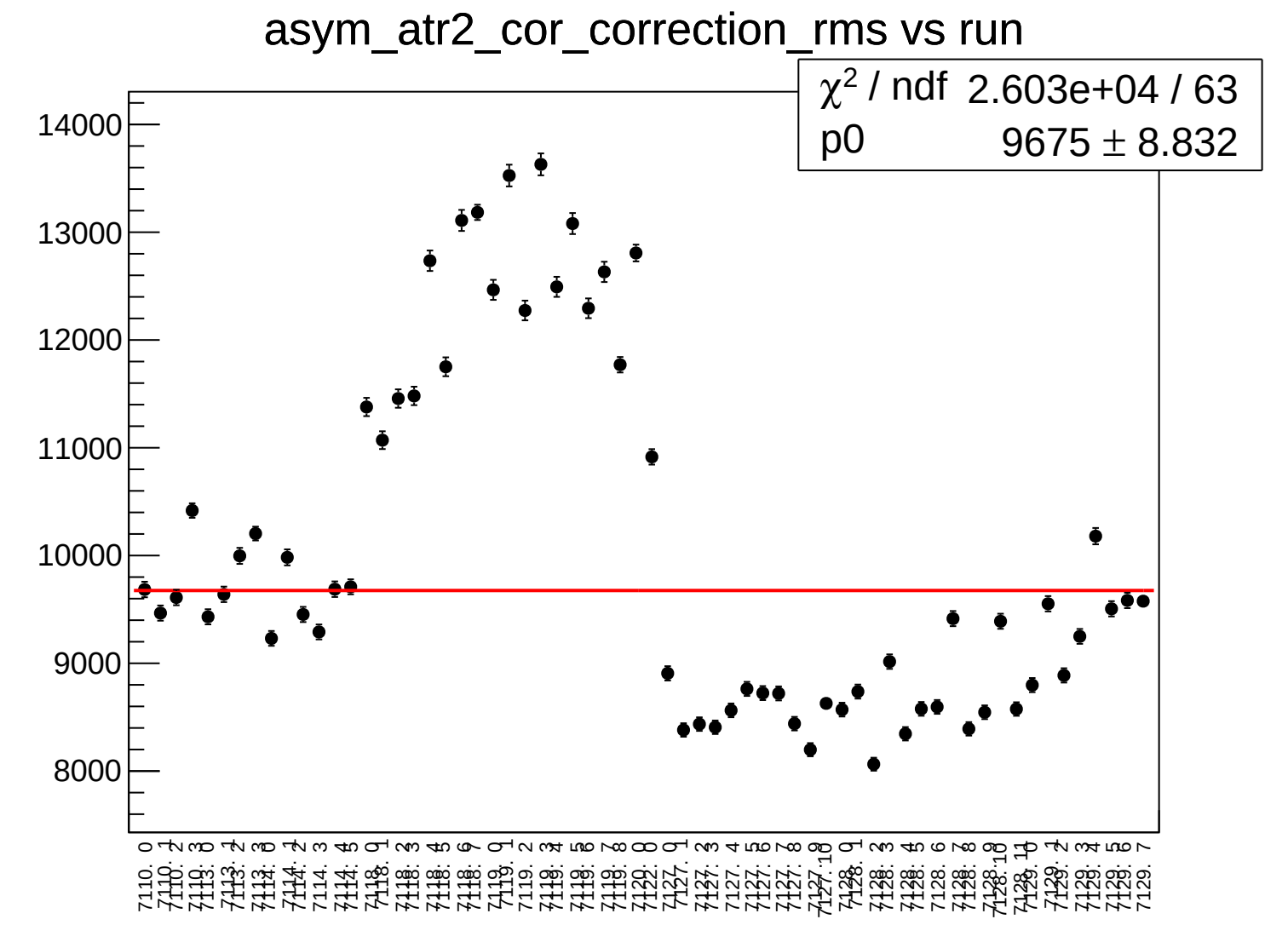

cor_asym_atr2_mean vs run
χ² / ndf 52.39 / 63
p0 9036 ± 3112
pull
Entries 64
Mean −1039
Std Dev 0

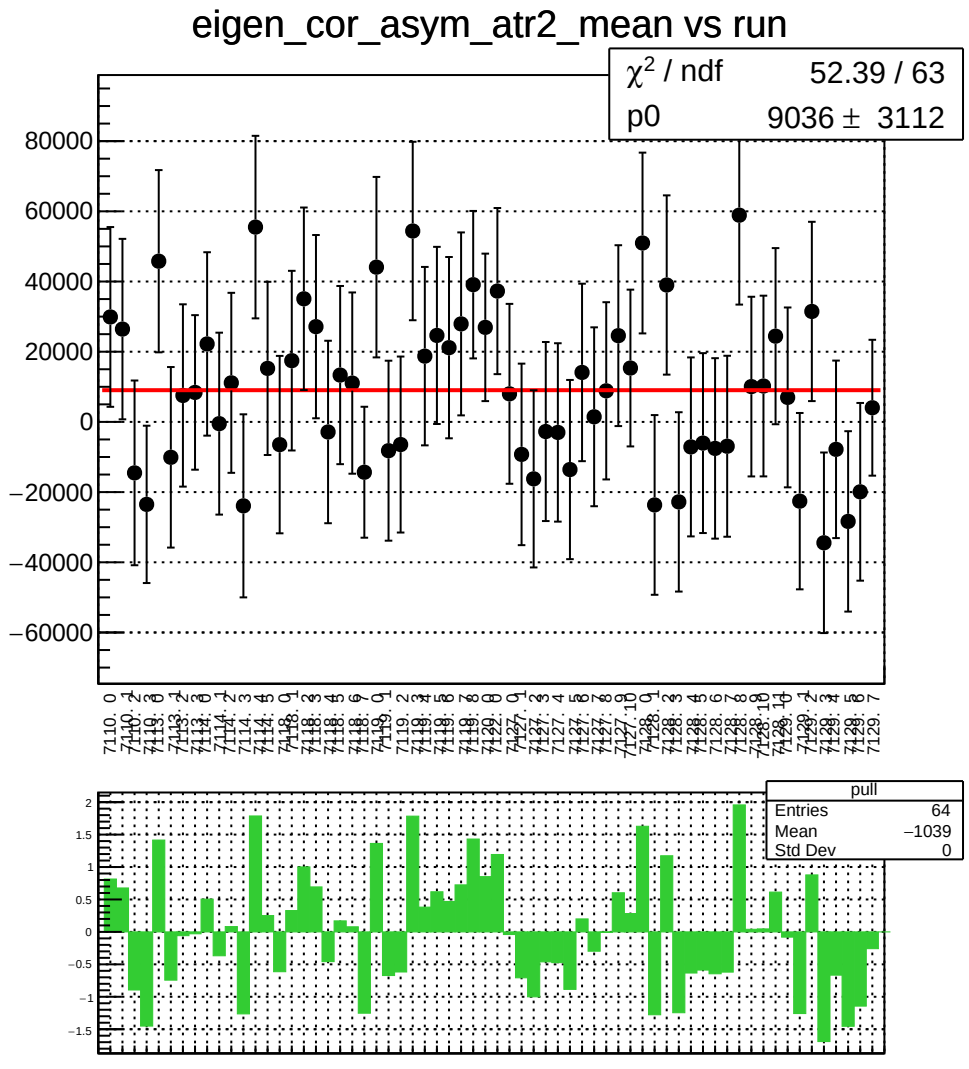

pull1D
Entries 64
Mean 0.002918
Std Dev 0.9048

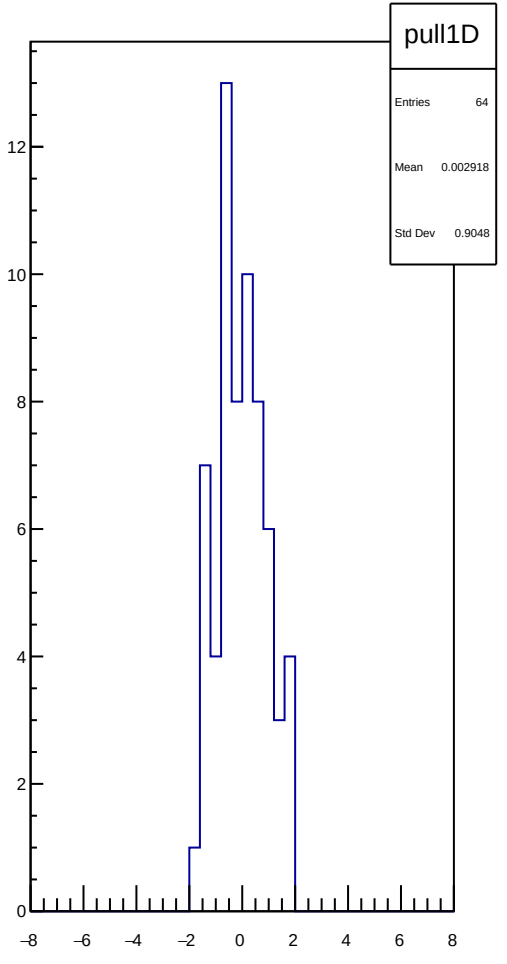

cor_asym_atr2_rms vs run
χ² / ndf 168.9 / 63
p0 2436 ± 2.2
2550
2500
2450
2400
2350

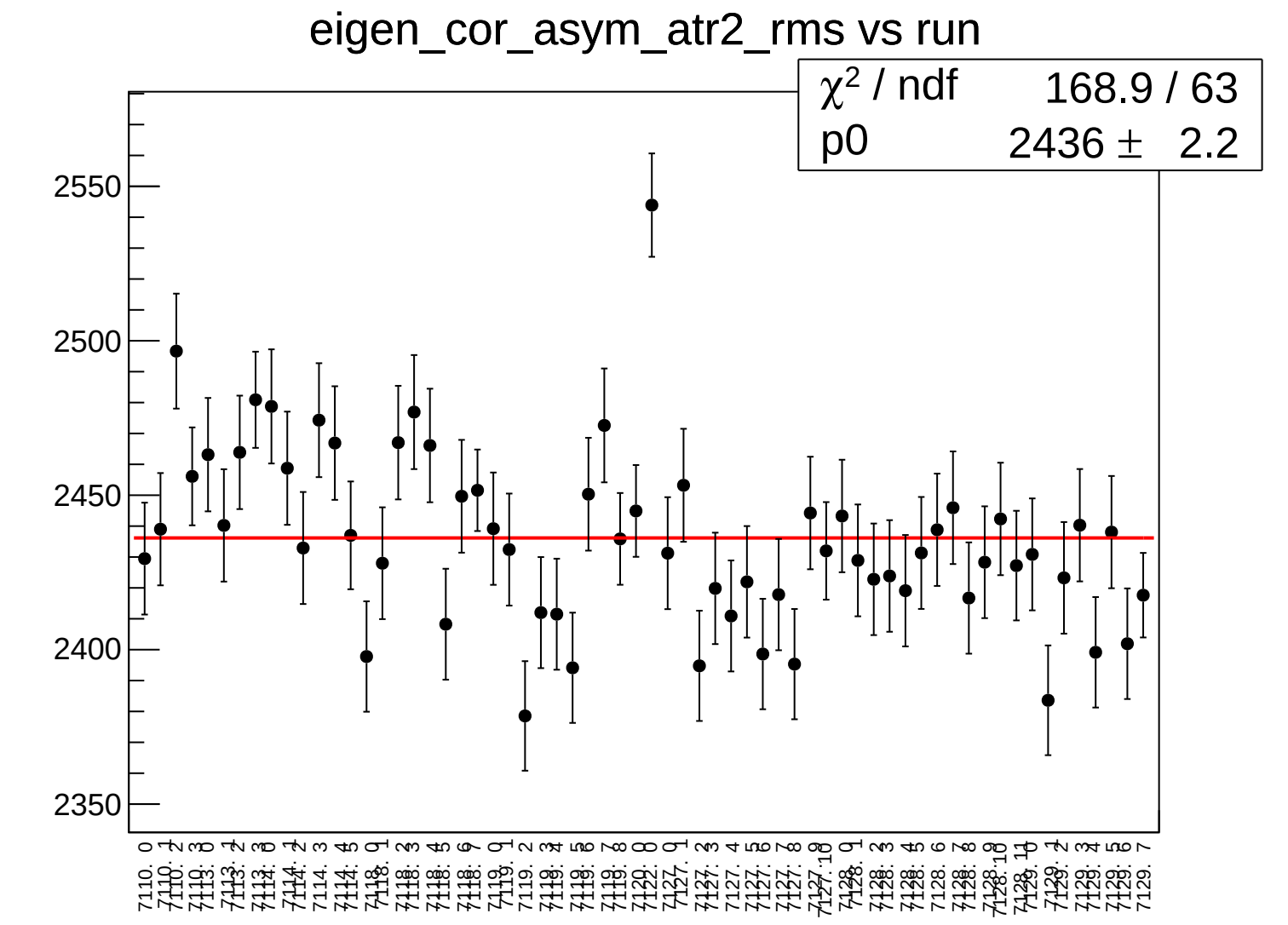

asym_atr2_cor_correction_mean vs run
χ² / ndf 54.65 / 63
p0 −2189 ± 1.249e+04
pull
Entries 64
Mean 80.2
Std Dev 0

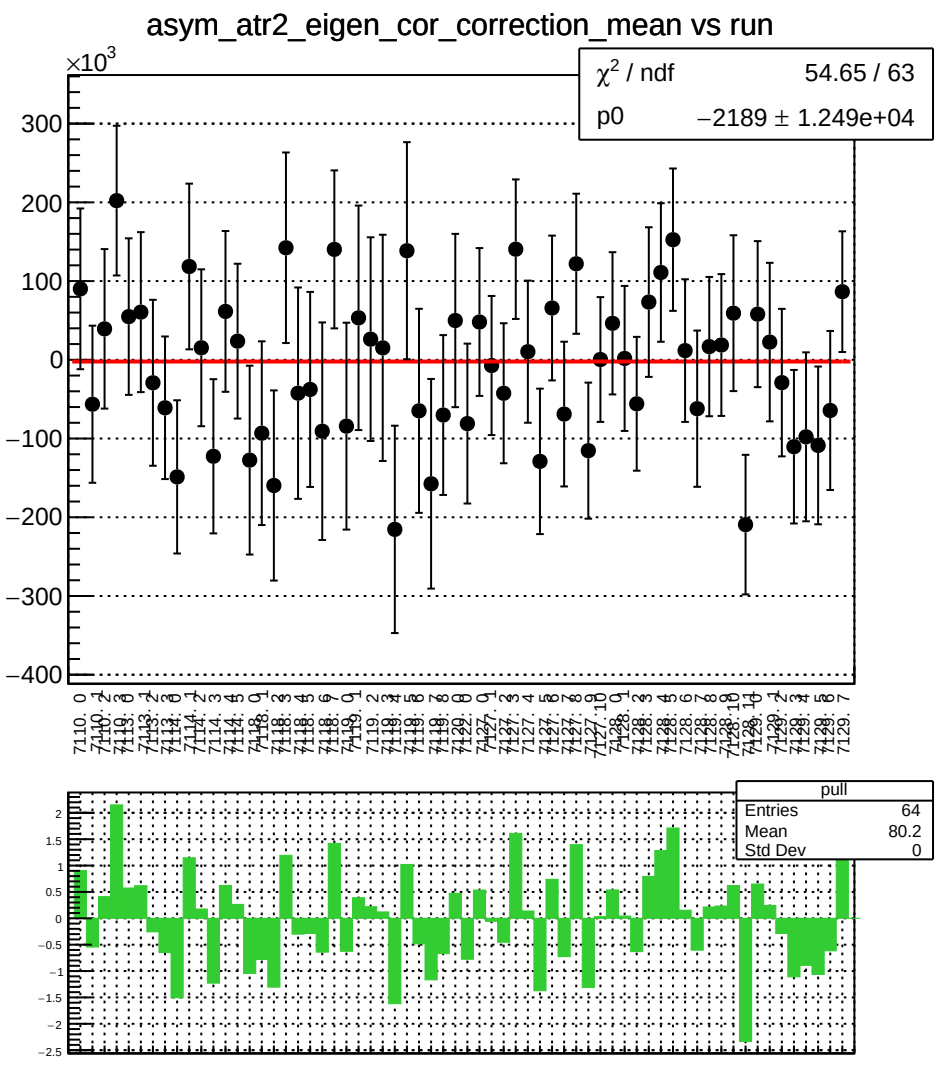

pull1D
Entries 64
Mean −0.02395
Std Dev 0.9237

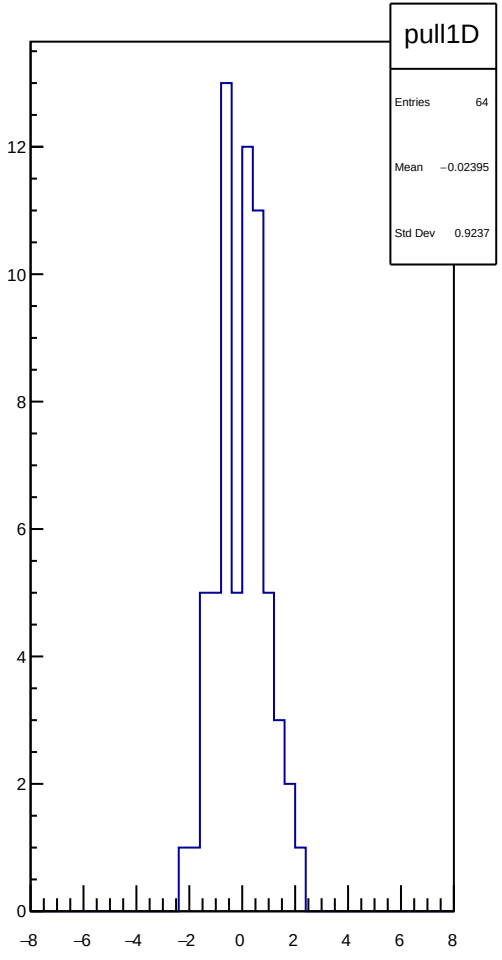

asym_atr2_cor_correction_rms vs run
χ² / ndf 2.603e+04 / 63
p0 9675 ± 8.832
14000
13000
12000
11000
10000
9000
8000

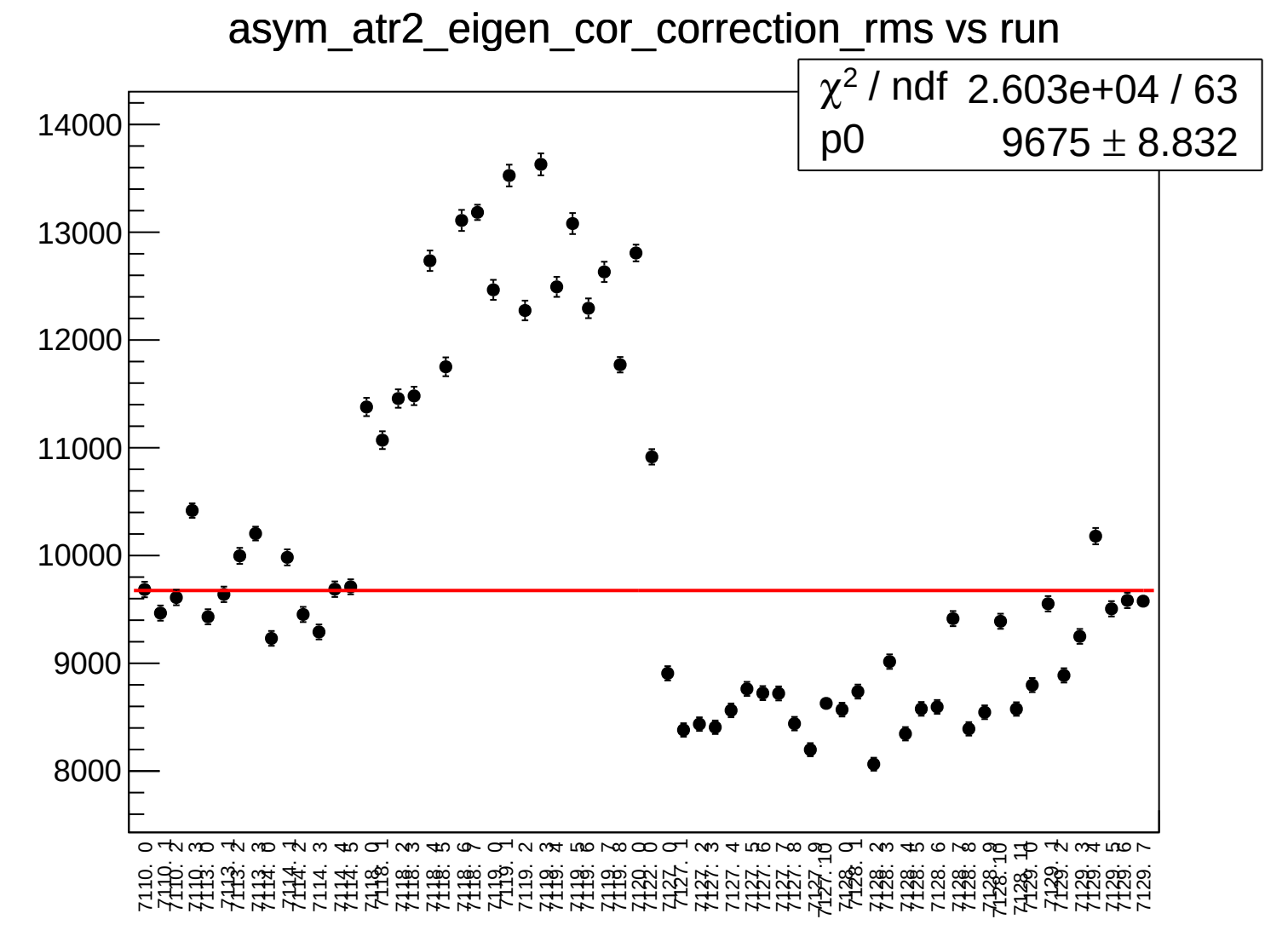

eigen_cor_asym_atr2_mean vs run
χ² / ndf 52.39 / 63
p0 9036 ± 3112
pull
Entries 64
Mean −1039
Std Dev 0

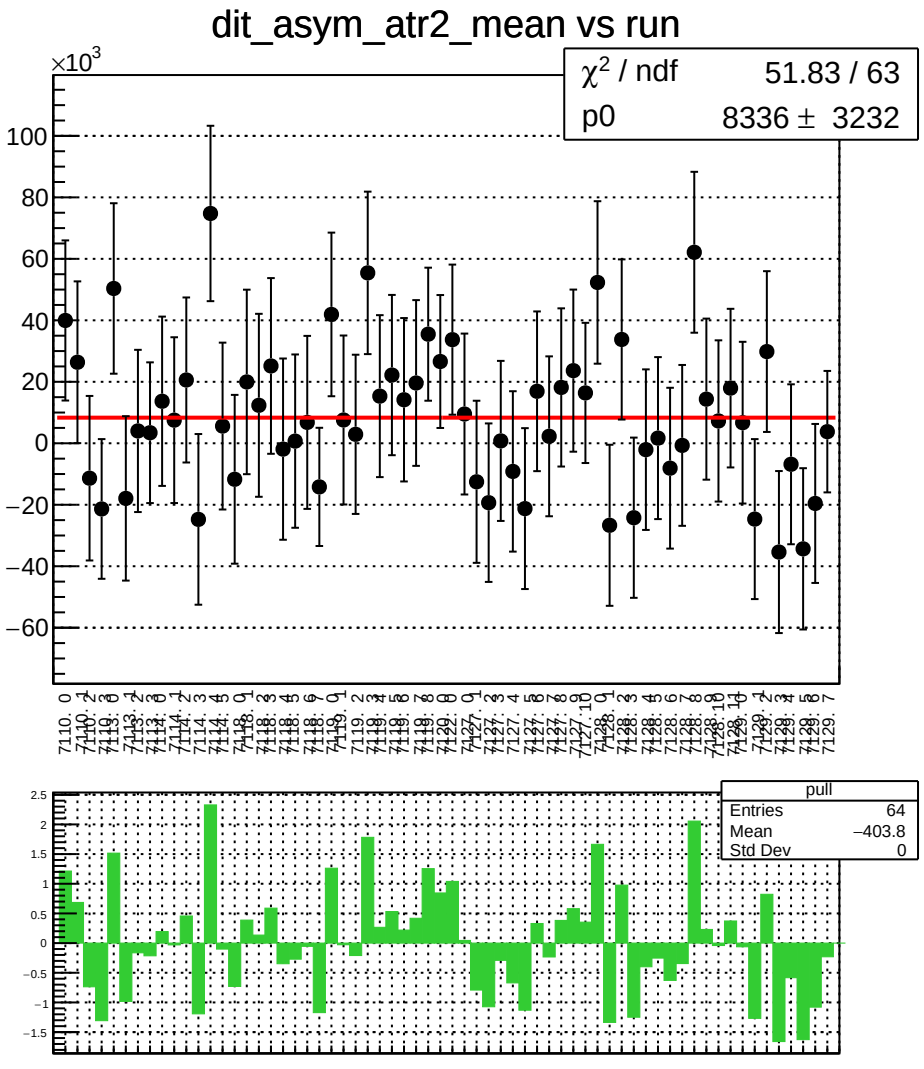

pull1D
Entries 64
Mean 0.002918
Std Dev 0.9048

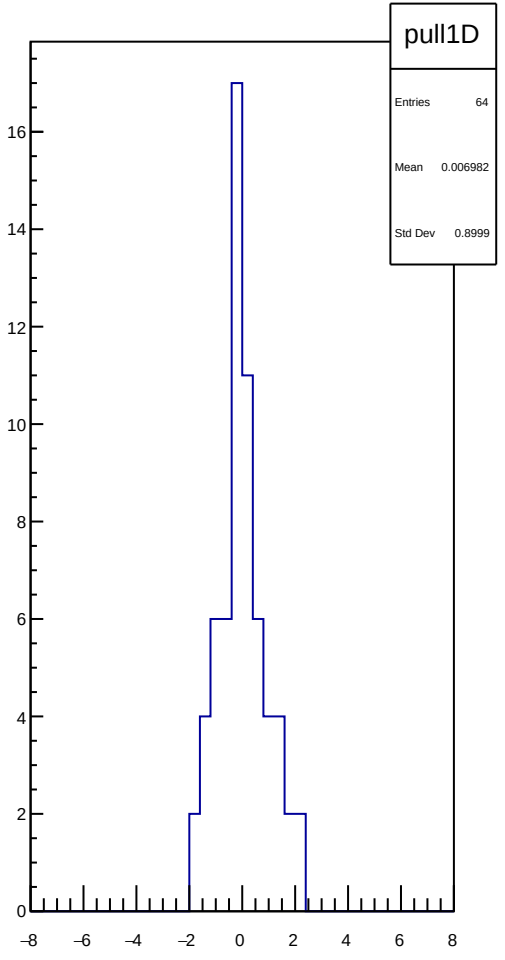

eigen_cor_asym_atr2_rms vs run
χ² / ndf 168.9 / 63
p0 2436 ± 2.2
2550
2500
2450
2400
2350

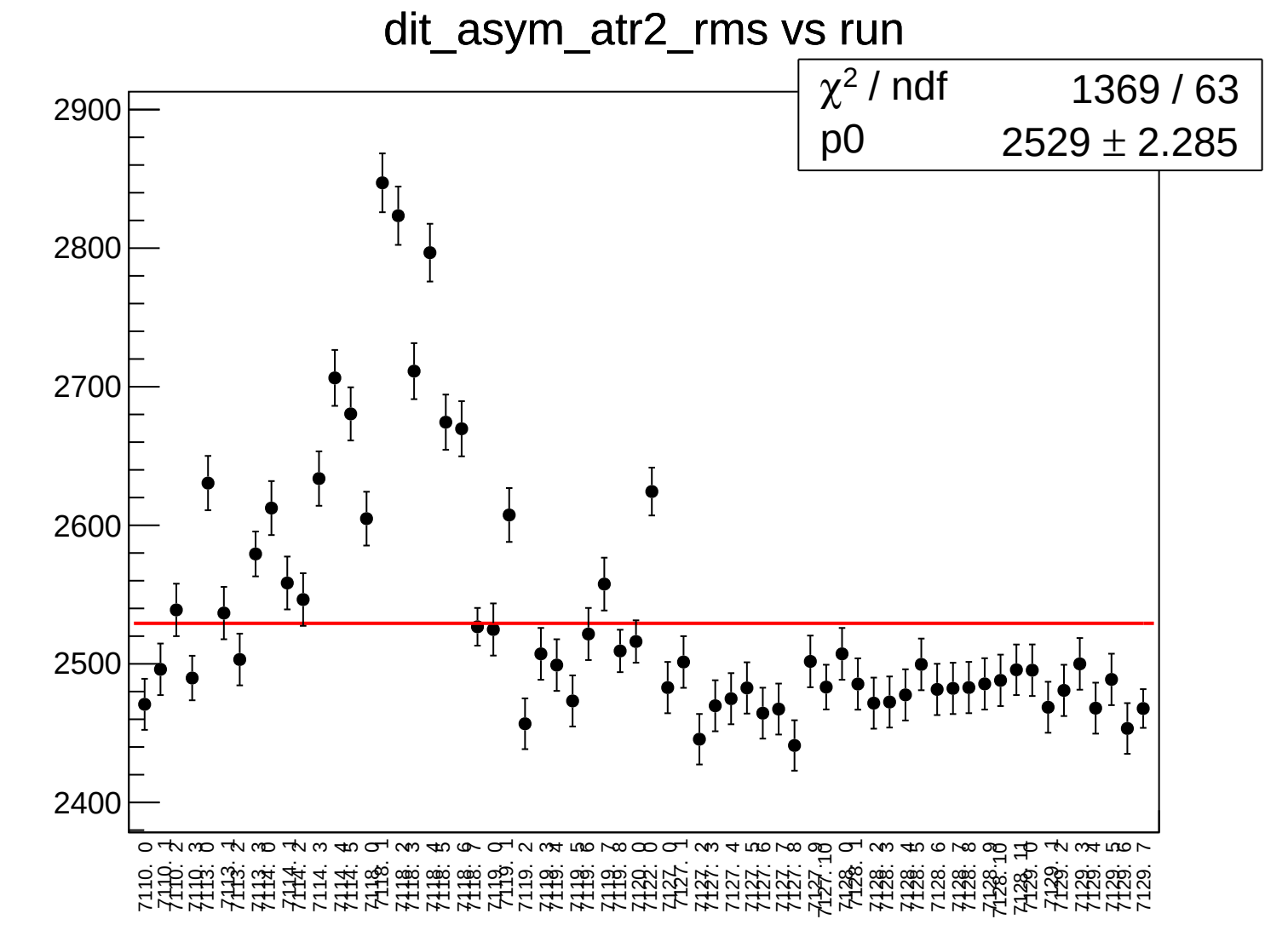

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.65 / 63
p0 −2189 ± 1.249e+04
pull
Entries 64
Mean 80.2
Std Dev 0

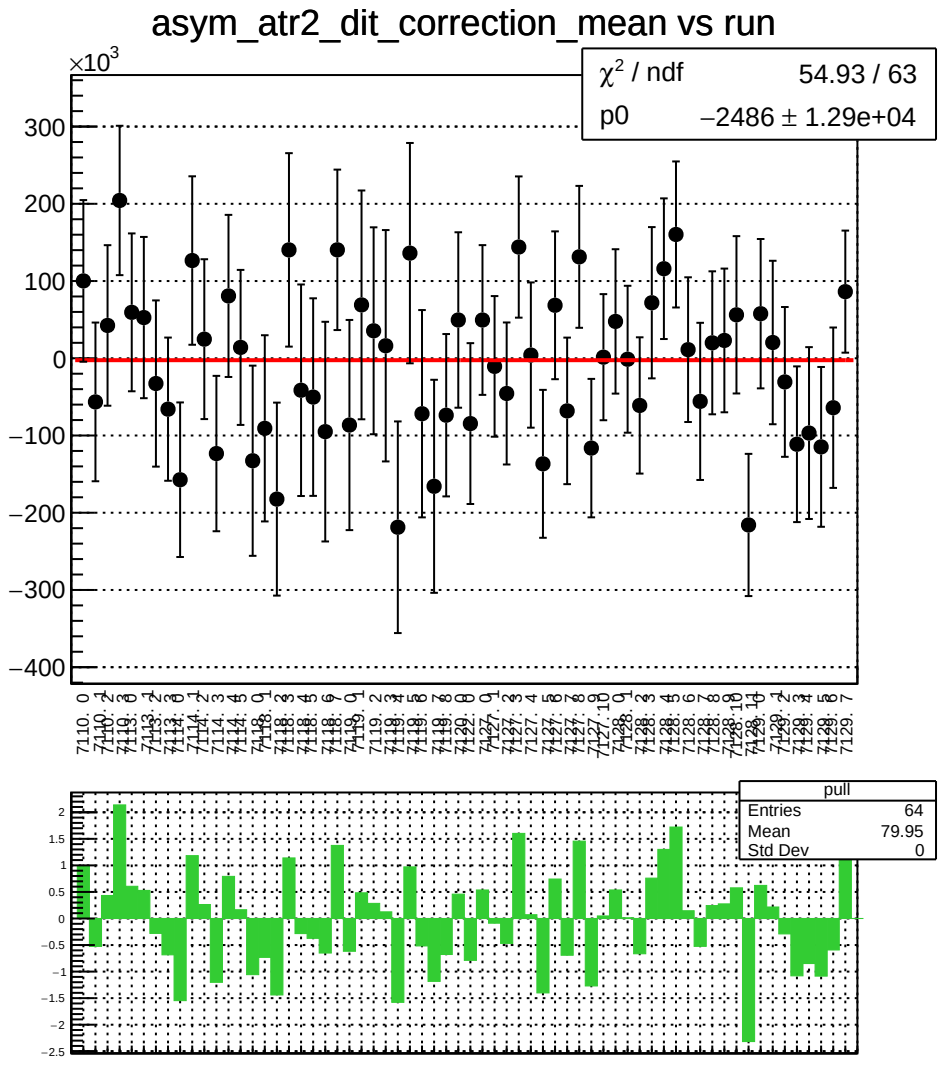

pull1D
Entries 64
Mean −0.02395
Std Dev 0.9237

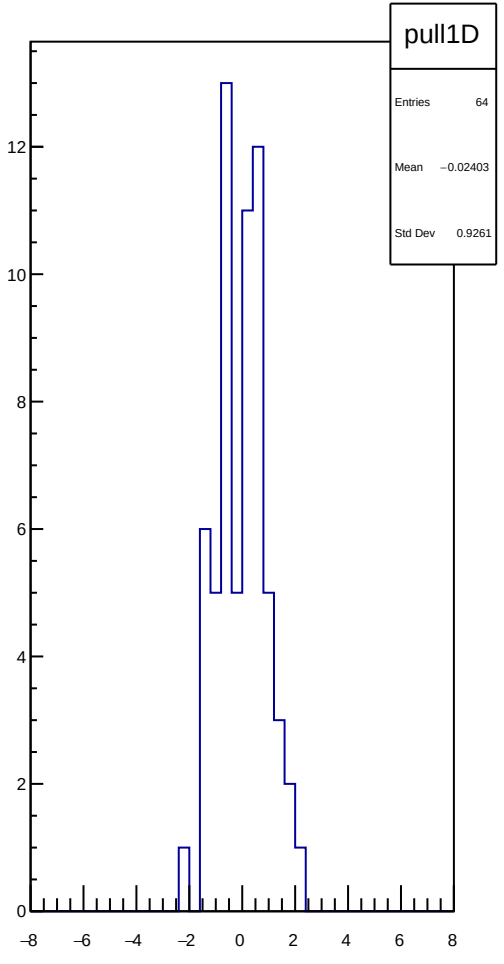

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 2.603e+04 / 63
p0 9675 ± 8.832
14000
13000
12000
11000
10000
9000
8000

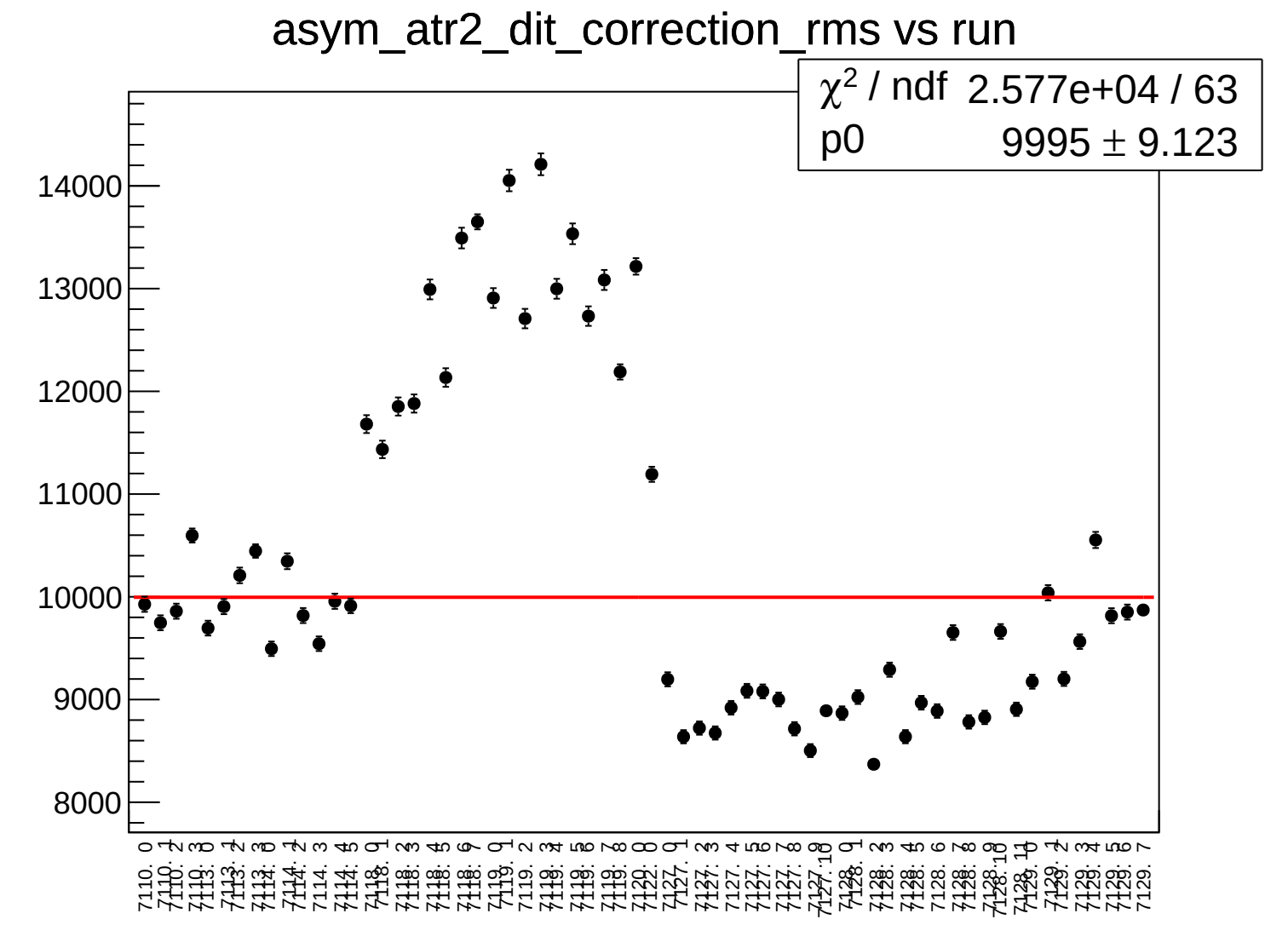

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 51.83 / 63
p0 8336 ± 3232
100
80
60
40
20
0
−20
−40
−60
pull
Entries 64
Mean −403.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

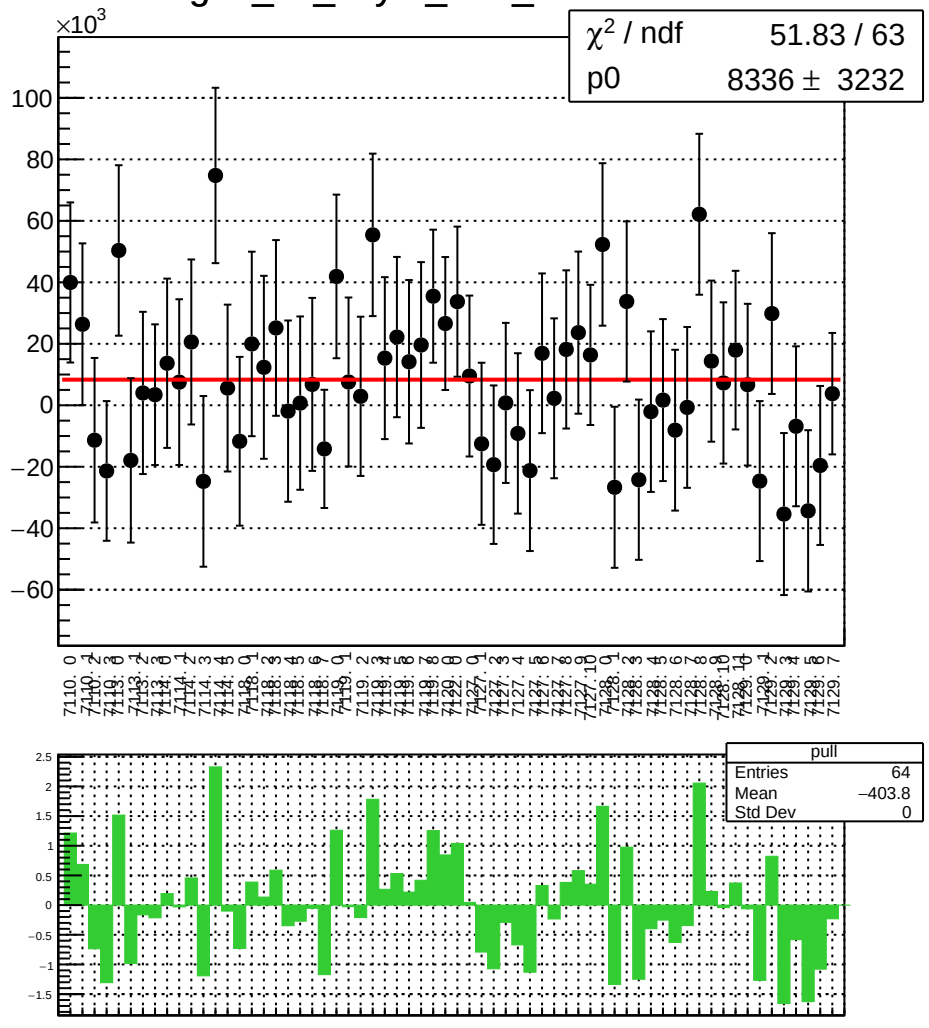

pull1D
Entries 64
Mean 0.006982
Std Dev 0.8999
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

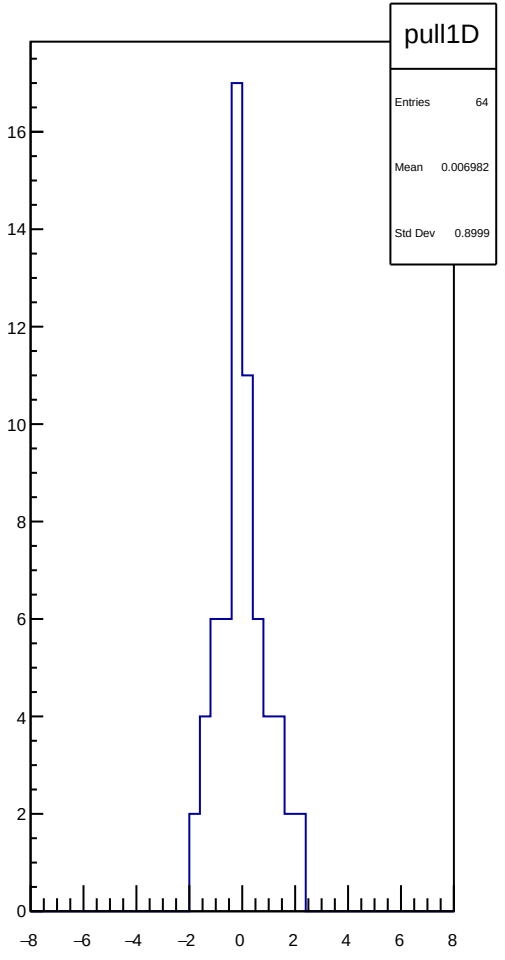

dit_asym_atr2_rms vs run
χ² / ndf 1369 / 63
p0 2529 ± 2.285
2900
2800
2700
2600
2500
2400

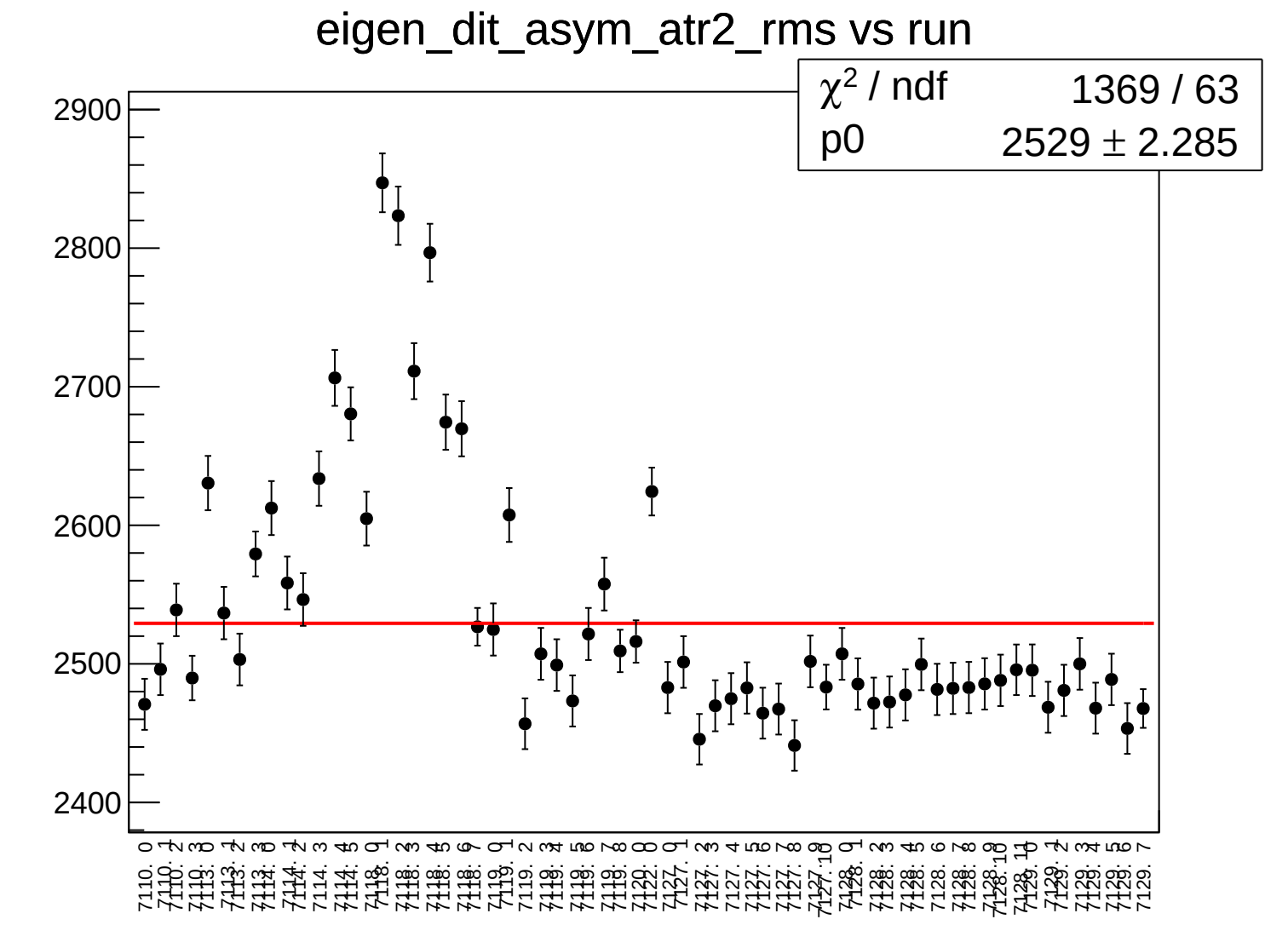

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 54.93 / 63
p0 −2486 ± 1.29e+04
pull
Entries 64
Mean 79.95
Std Dev 0

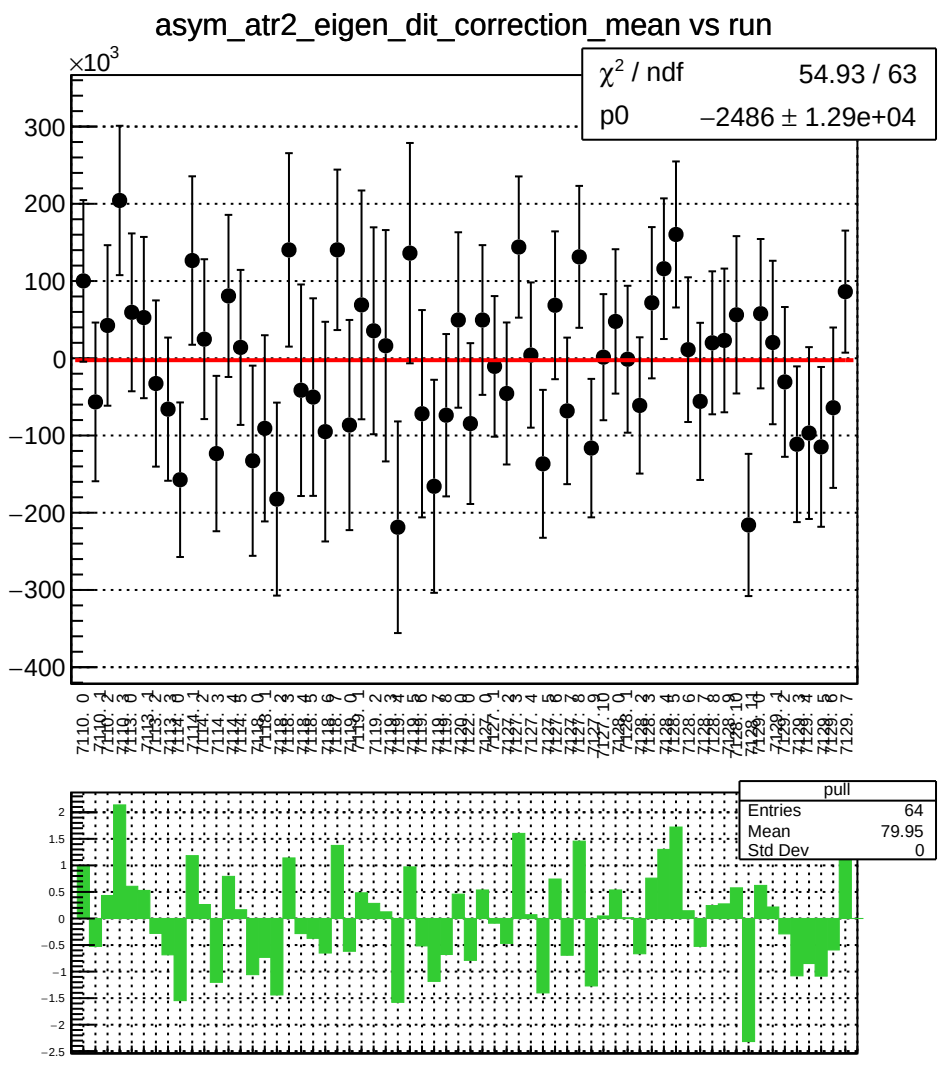

pull1D
Entries 64
Mean −0.02403
Std Dev 0.9261

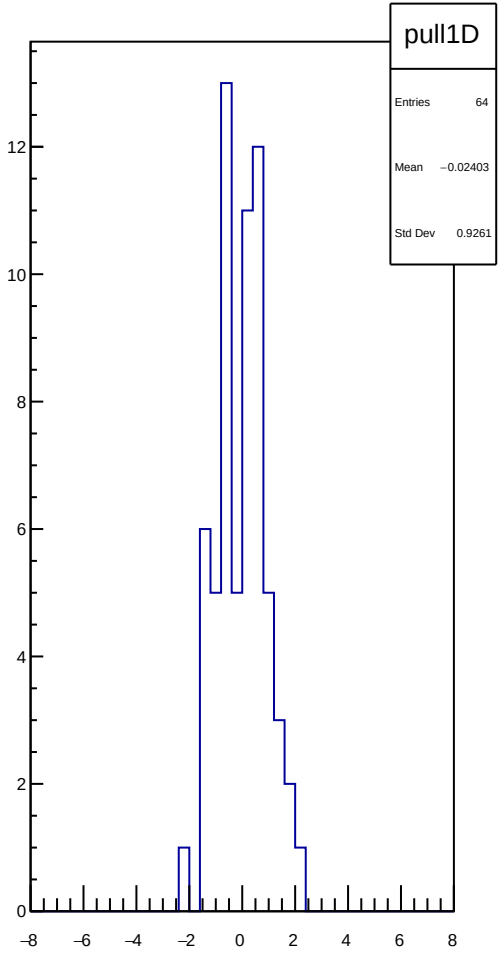

asym_atr2_dit_correction_rms vs run
χ² / ndf 2.577e+04 / 63
p0 9995 ± 9.123
14000
13000
12000
11000
10000
9000
8000

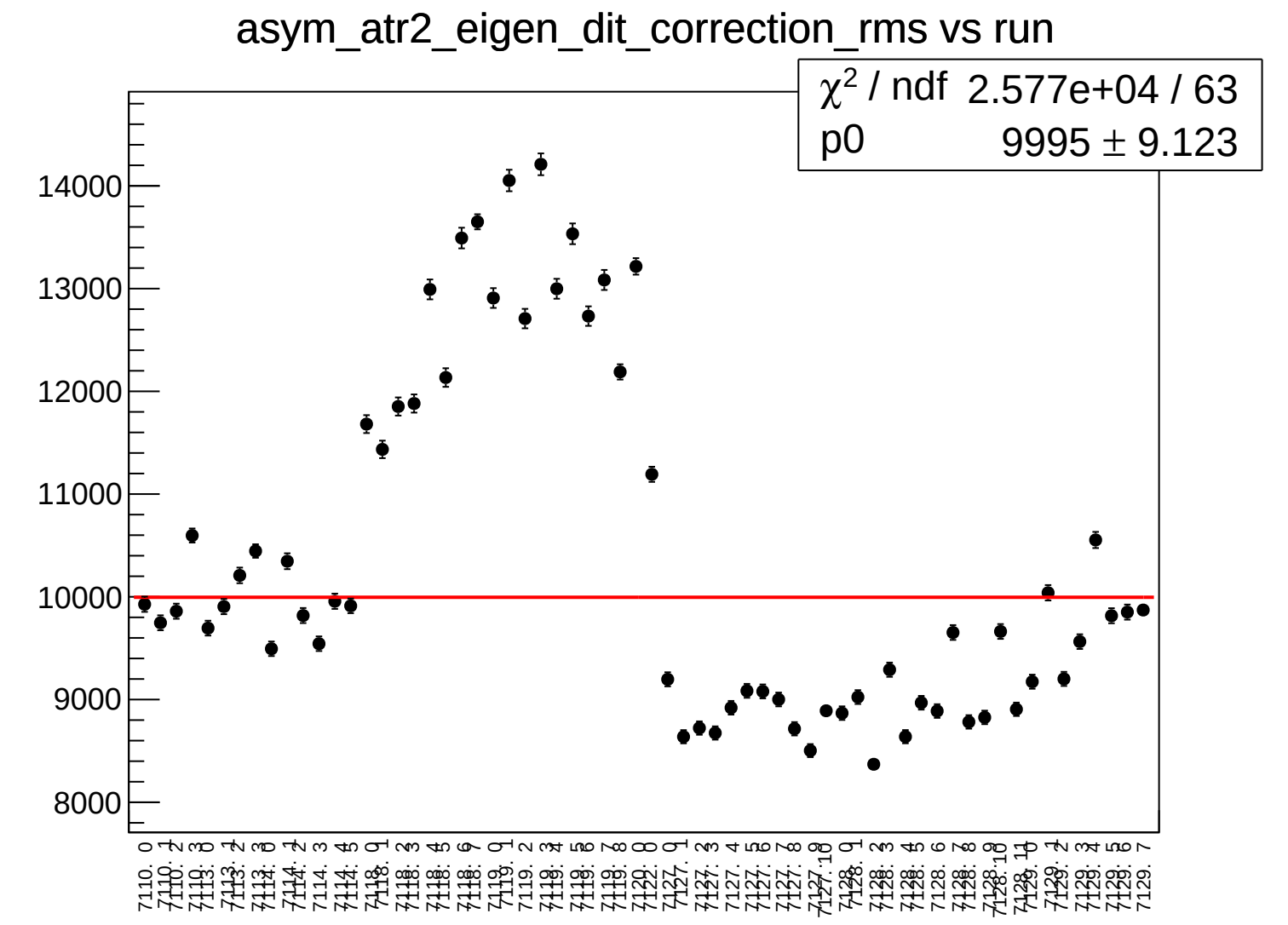

eigen_dit_asym_atr2_mean vs run
χ² / ndf 51.83 / 63
p0 8336 ± 3232
×10³
pull
Entries 64
Mean −403.8
Std Dev 0

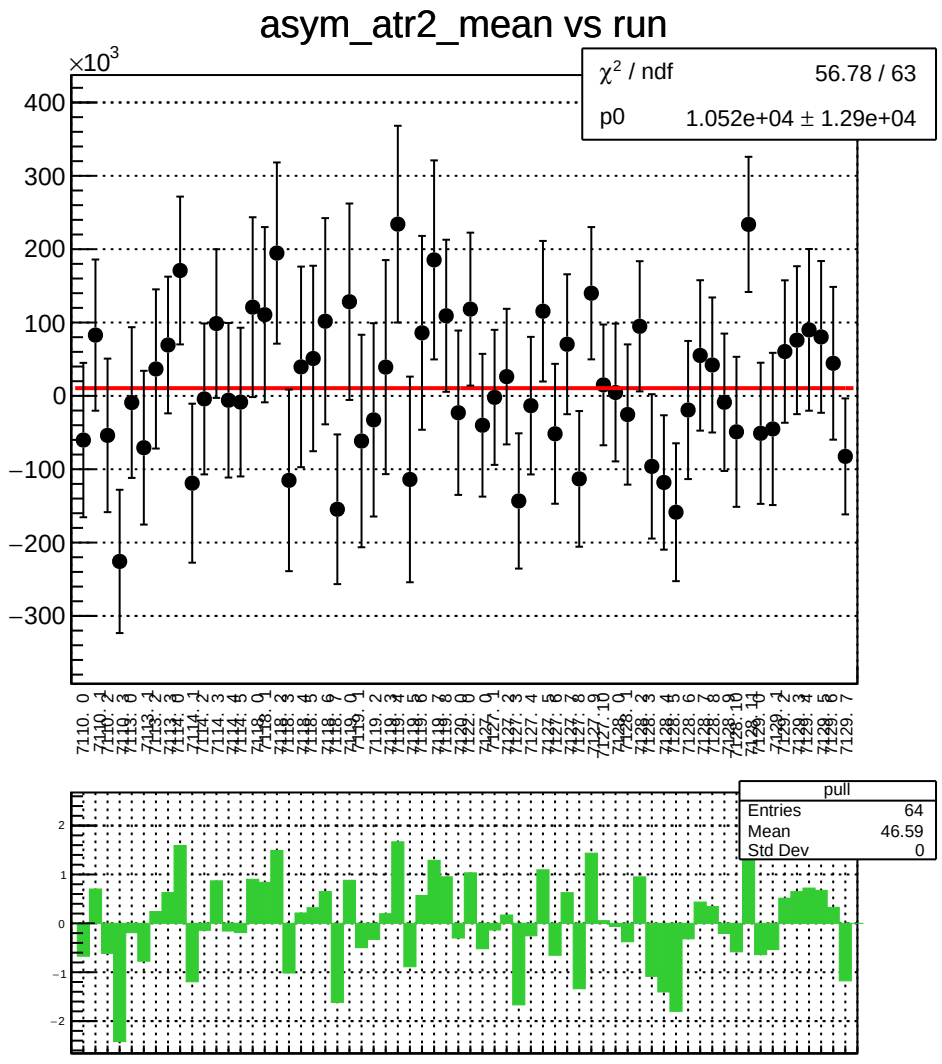

pull1D
Entries 64
Mean 0.006982
Std Dev 0.8999

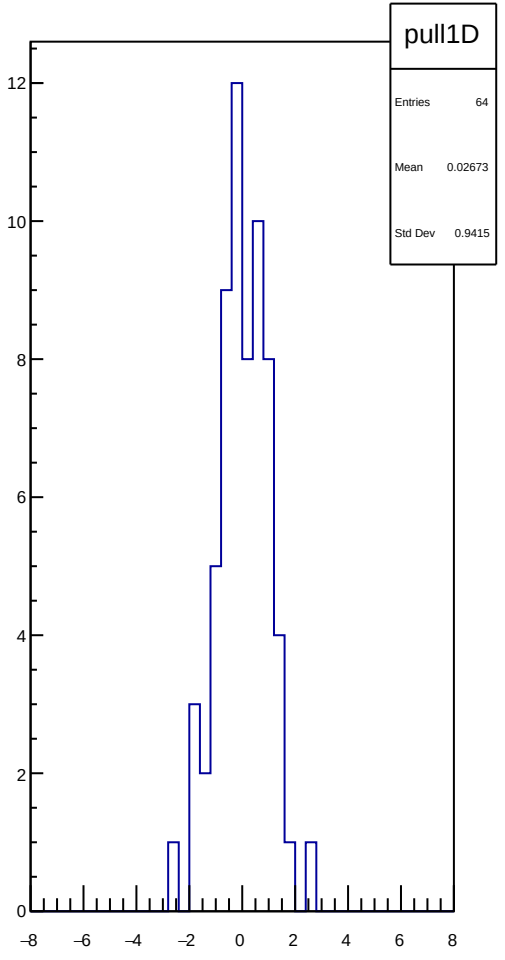

eigen_dit_asym_atr2_rms vs run
χ² / ndf 1369 / 63
p0 2529 ± 2.285
2900
2800
2700
2600
2500
2400

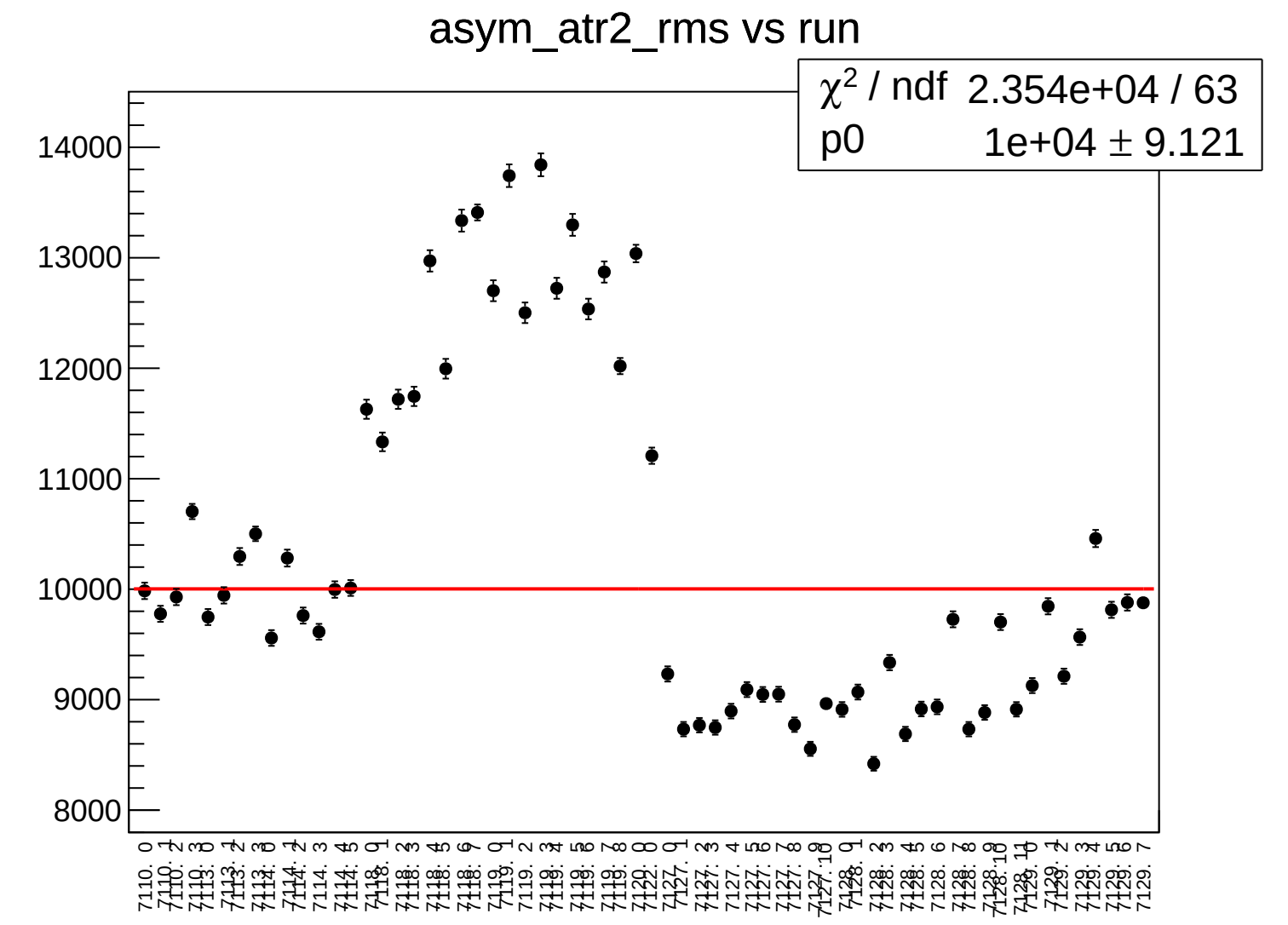

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.93 / 63
p0 −2486 ± 1.29e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 64
Mean 79.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

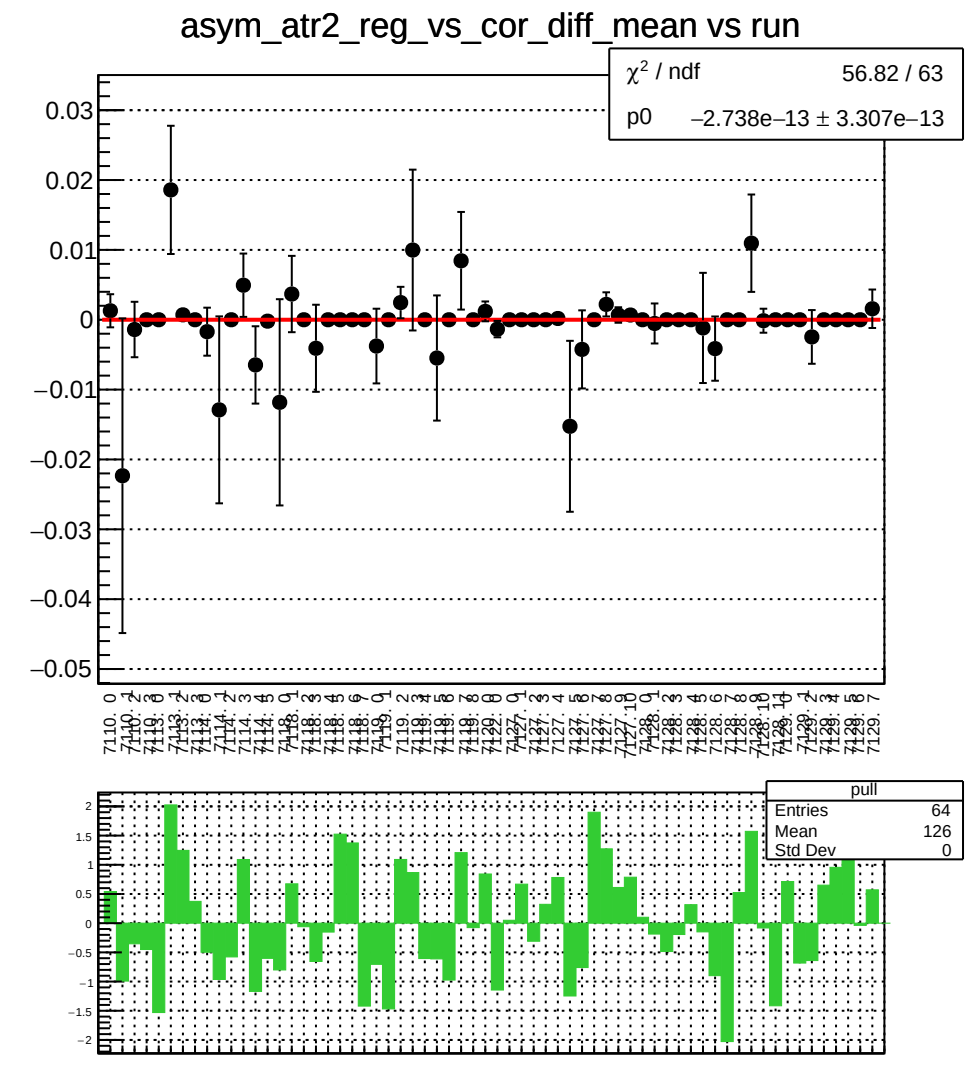

pull1D
Entries 64
Mean −0.02403
Std Dev 0.9261
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

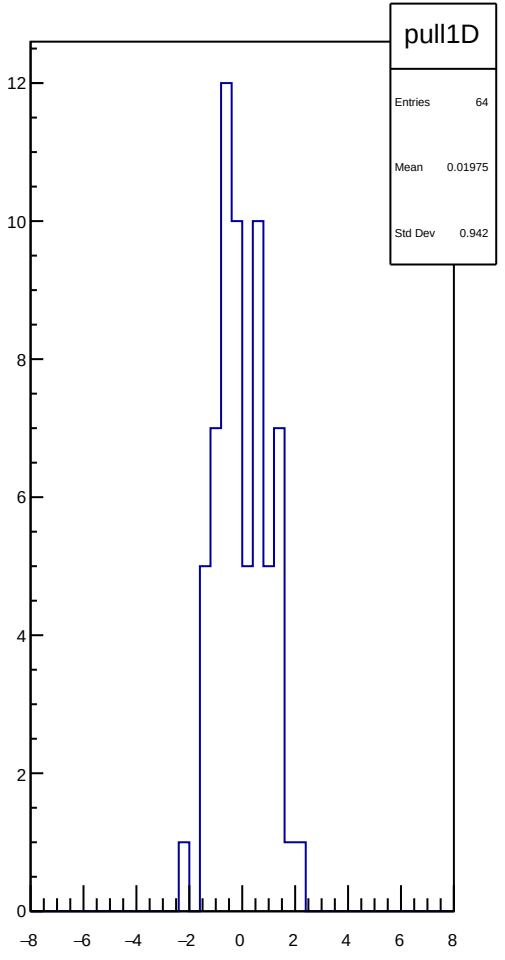

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 2.577e+04 / 63
p0 9995 ± 9.123
14000
13000
12000
11000
10000
9000
8000

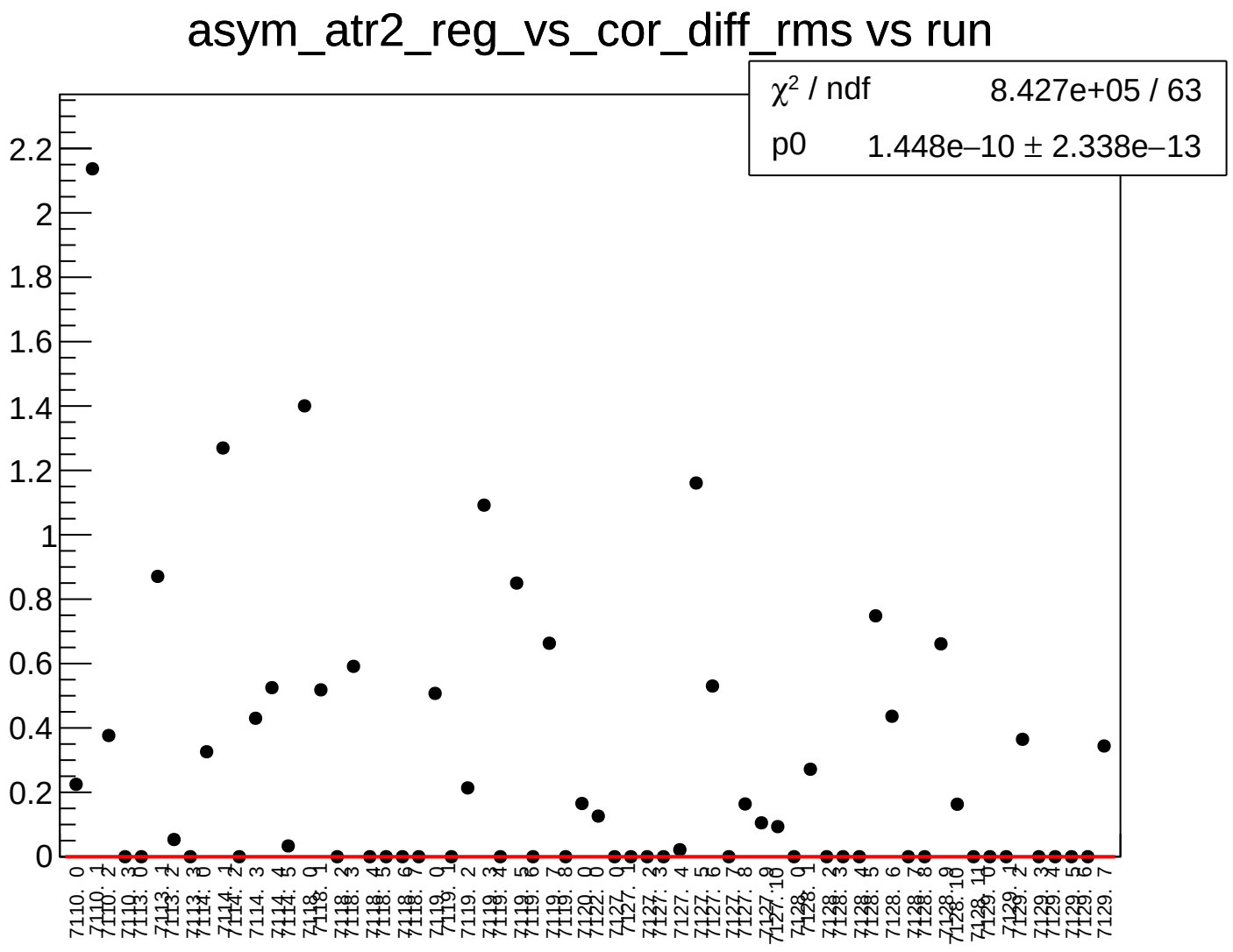

asym_atr2_mean vs run
×10^3
χ² / ndf 56.78 / 63
p0 1.052e+04 ± 1.29e+04
pull
Entries 64
Mean 46.59
Std Dev 0

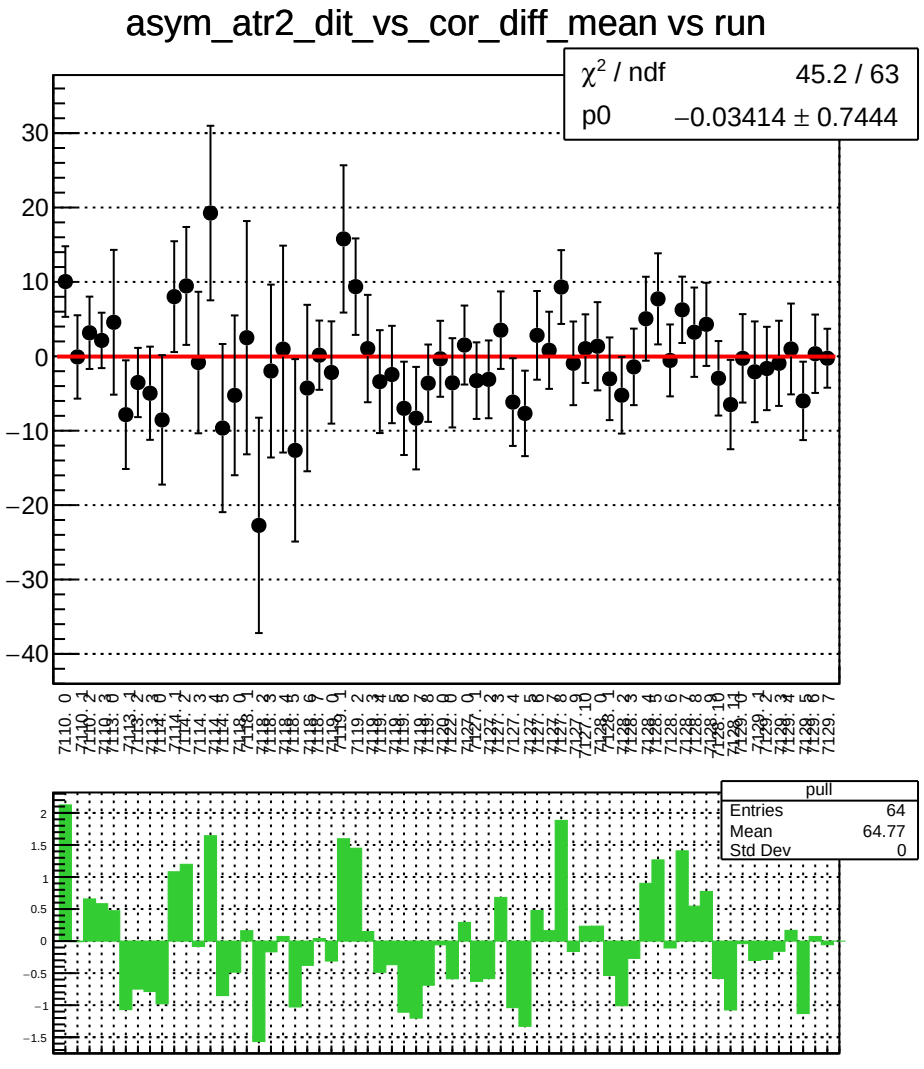

pull1D
Entries 64
Mean 0.02673
Std Dev 0.9415

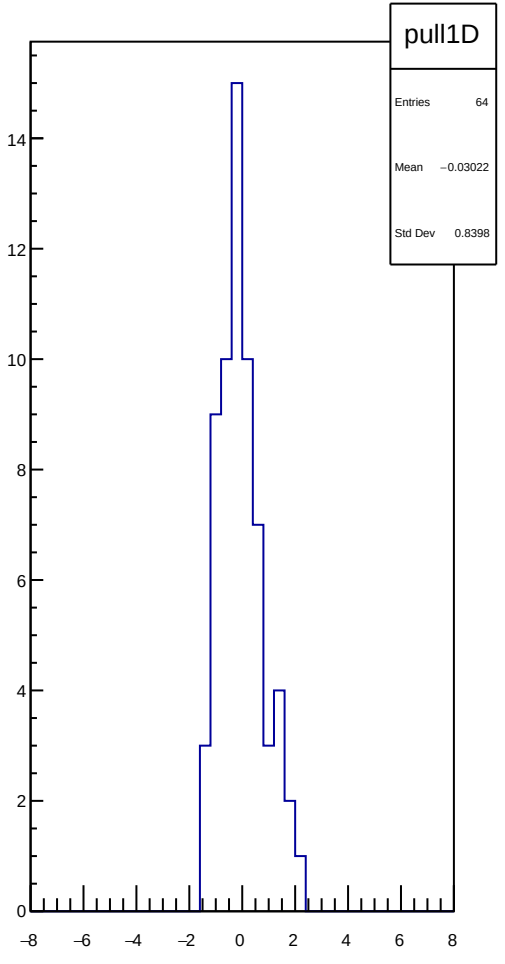

asym_atr2_rms vs run
χ² / ndf 2.354e+04 / 63
p0 1e+04 ± 9.121
14000
13000
12000
11000
10000
9000
8000

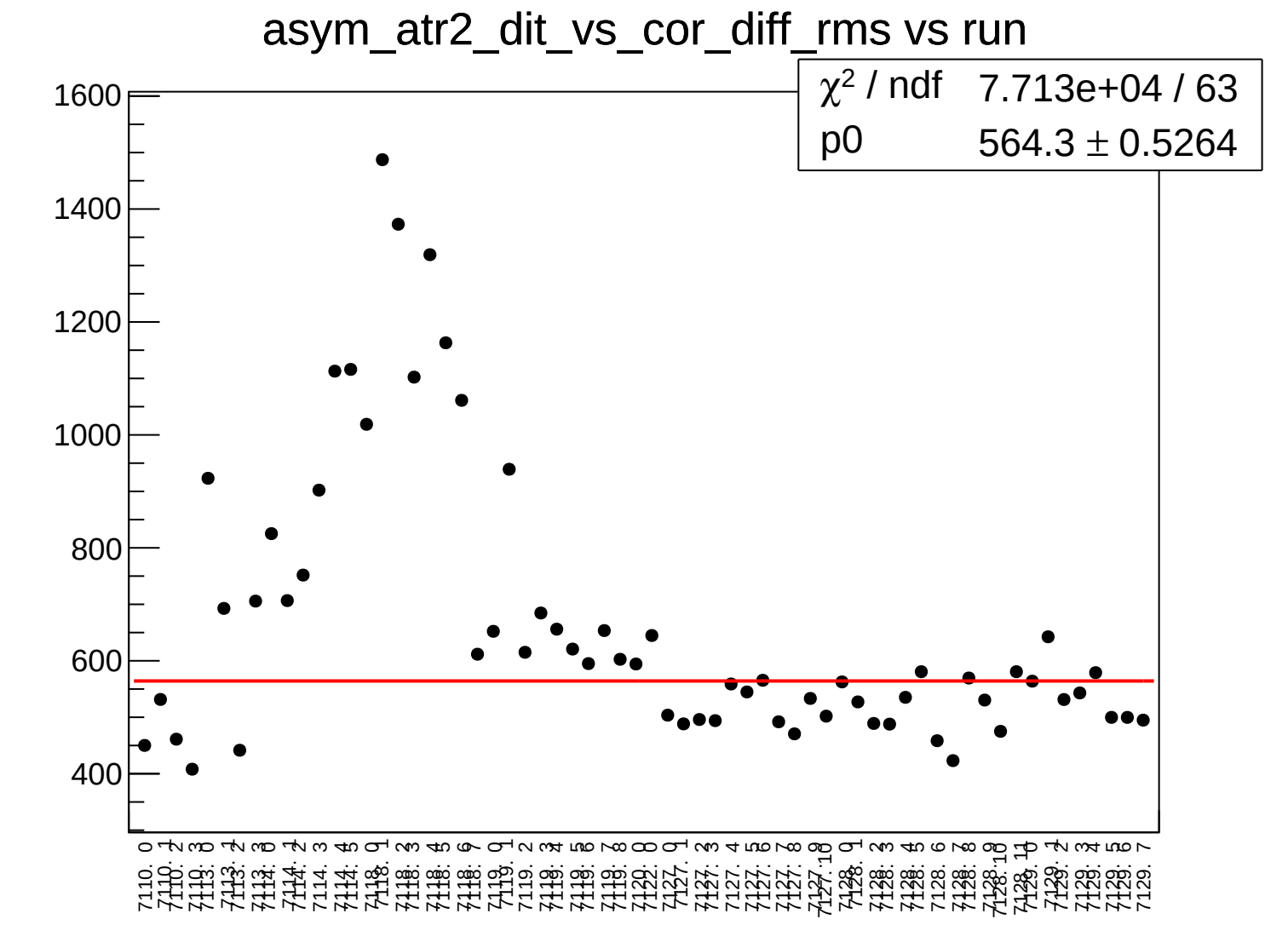

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 56.82 / 63
p0 −2.738e−13 ± 3.307e−13
pull
Entries 64
Mean 126
Std Dev 0

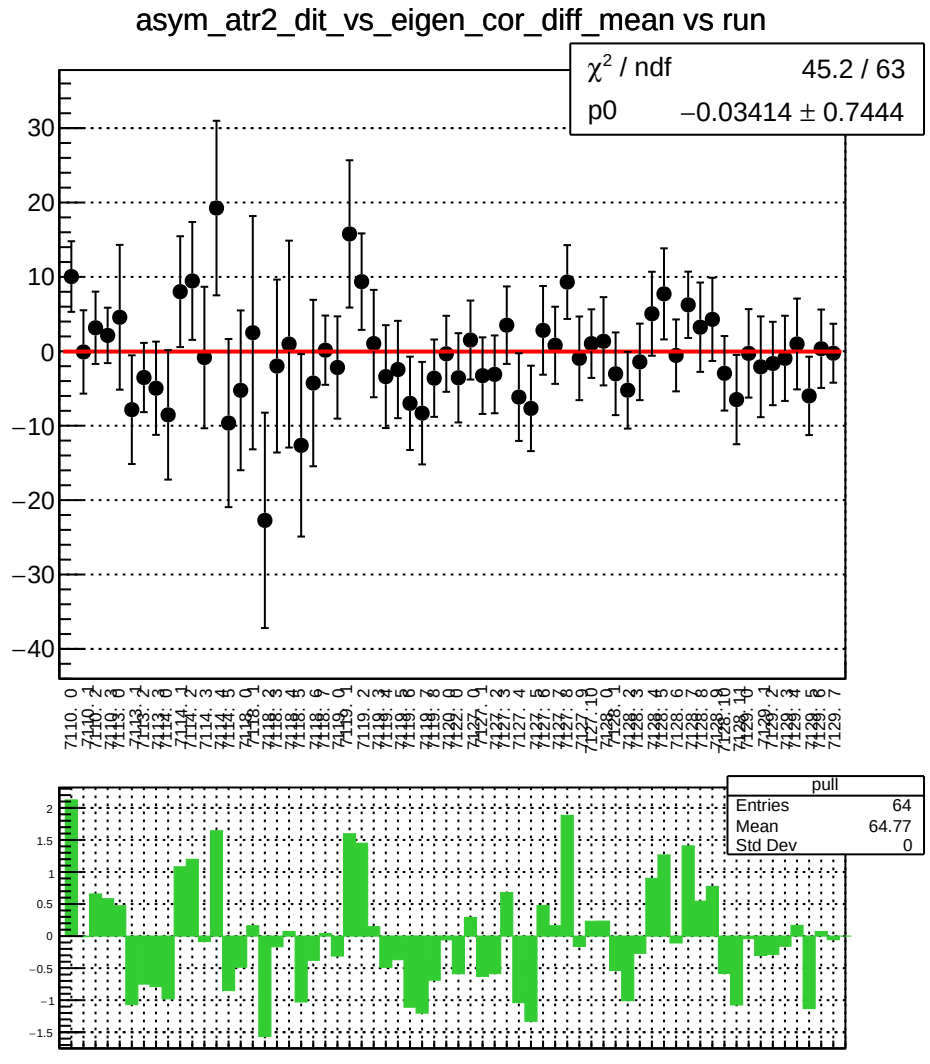

pull1D
Entries 64
Mean 0.01975
Std Dev 0.942

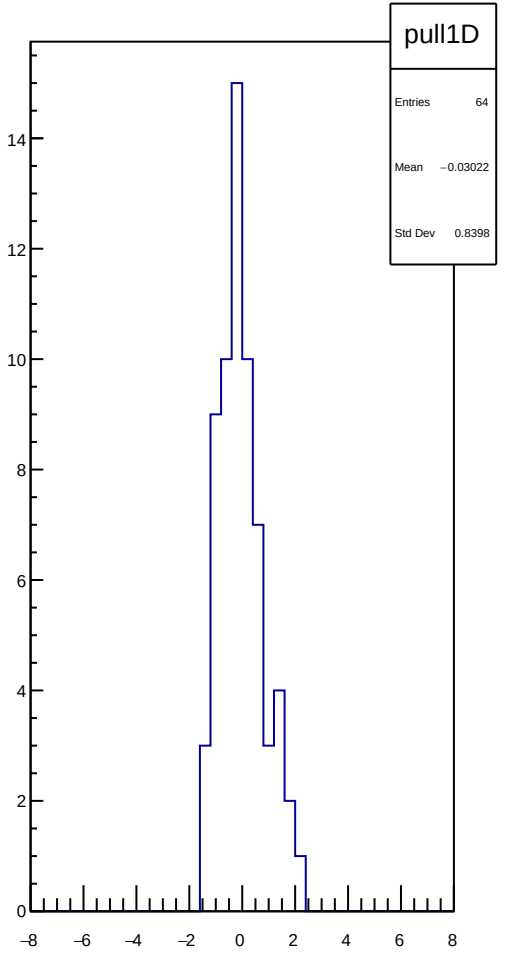

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.427e+05 / 63
p0 1.448e−10 ± 2.338e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

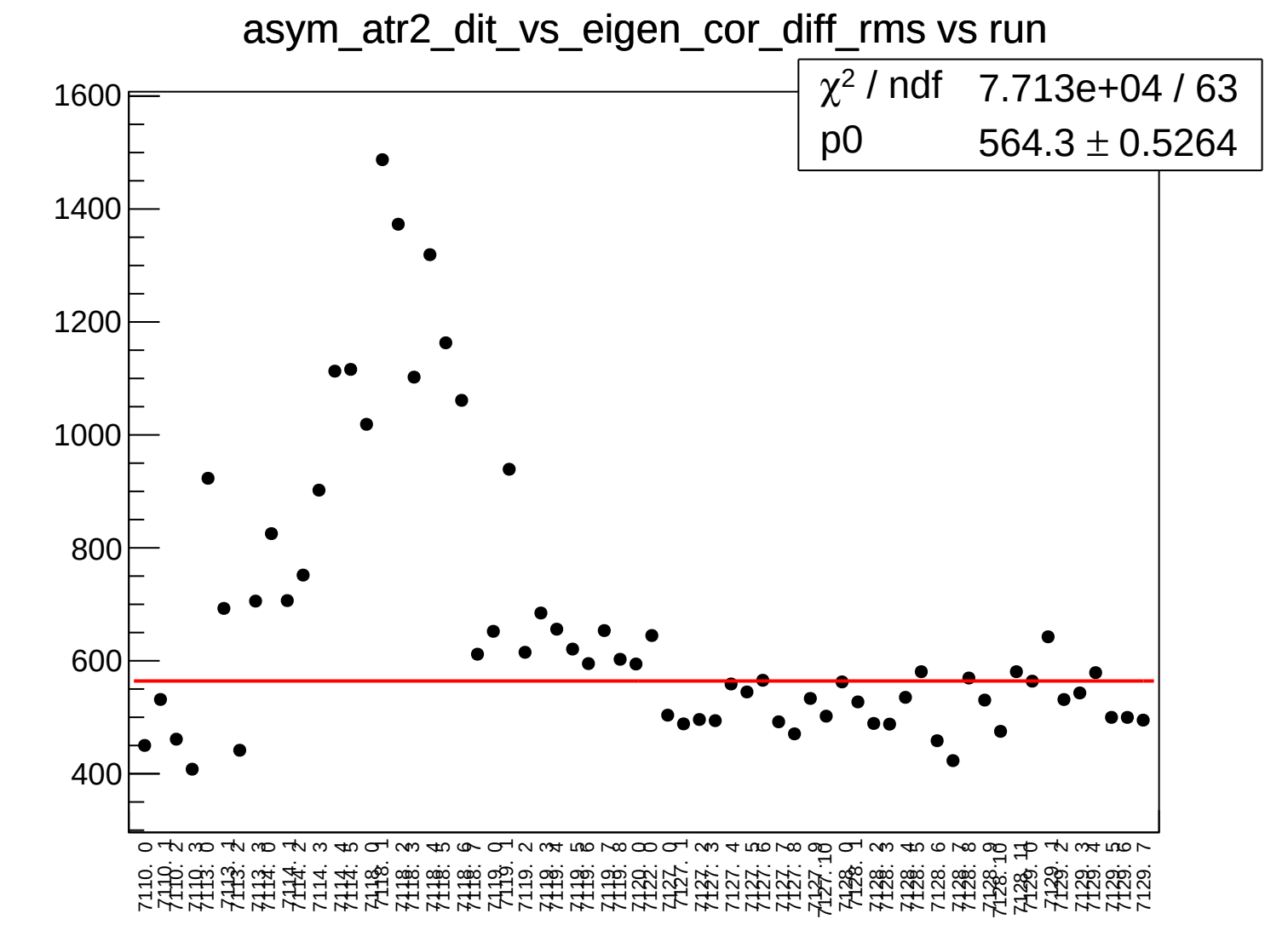

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 45.2 / 63
p0 −0.03414 ± 0.7444
pull
Entries 64
Mean 64.77
Std Dev 0

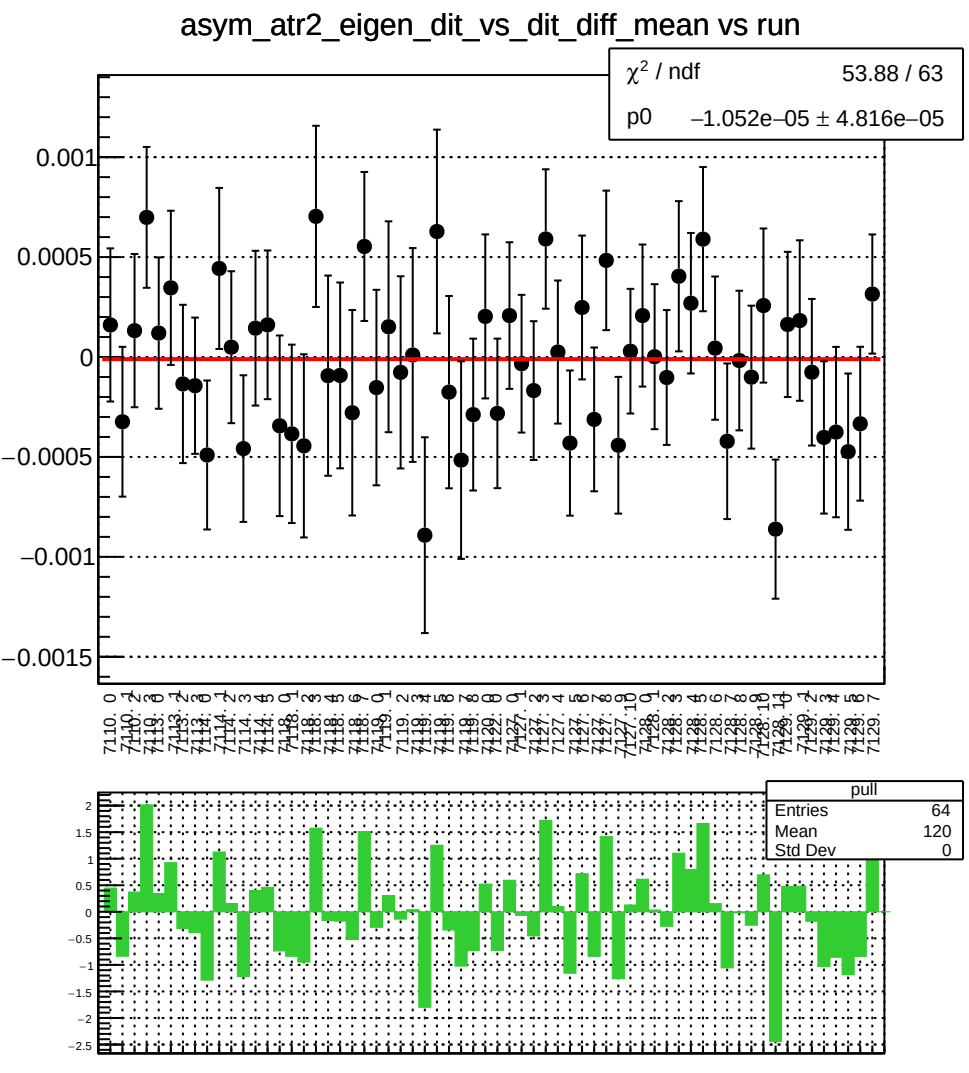

pull1D
Entries 64
Mean −0.03022
Std Dev 0.8398

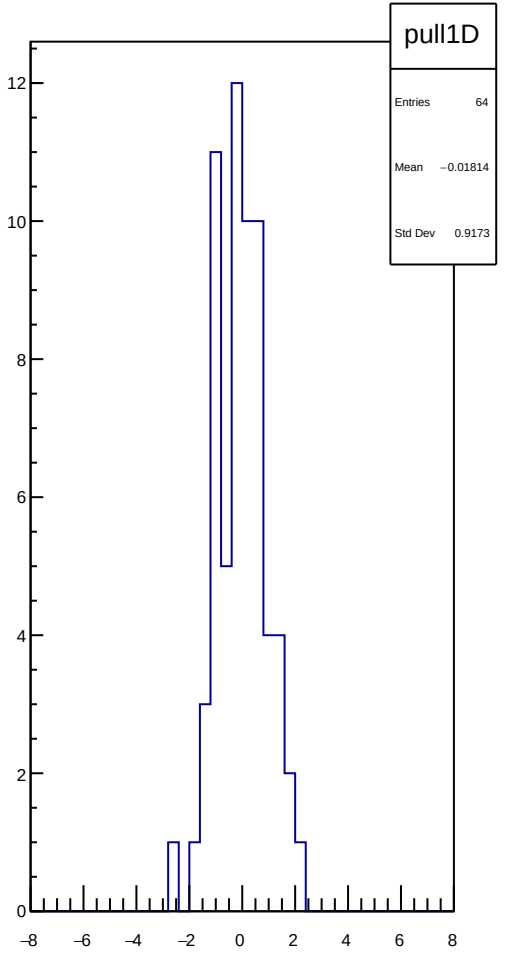

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 7.713e+04 / 63
p0 564.3 ± 0.5264
1600
1400
1200
1000
800
600
400

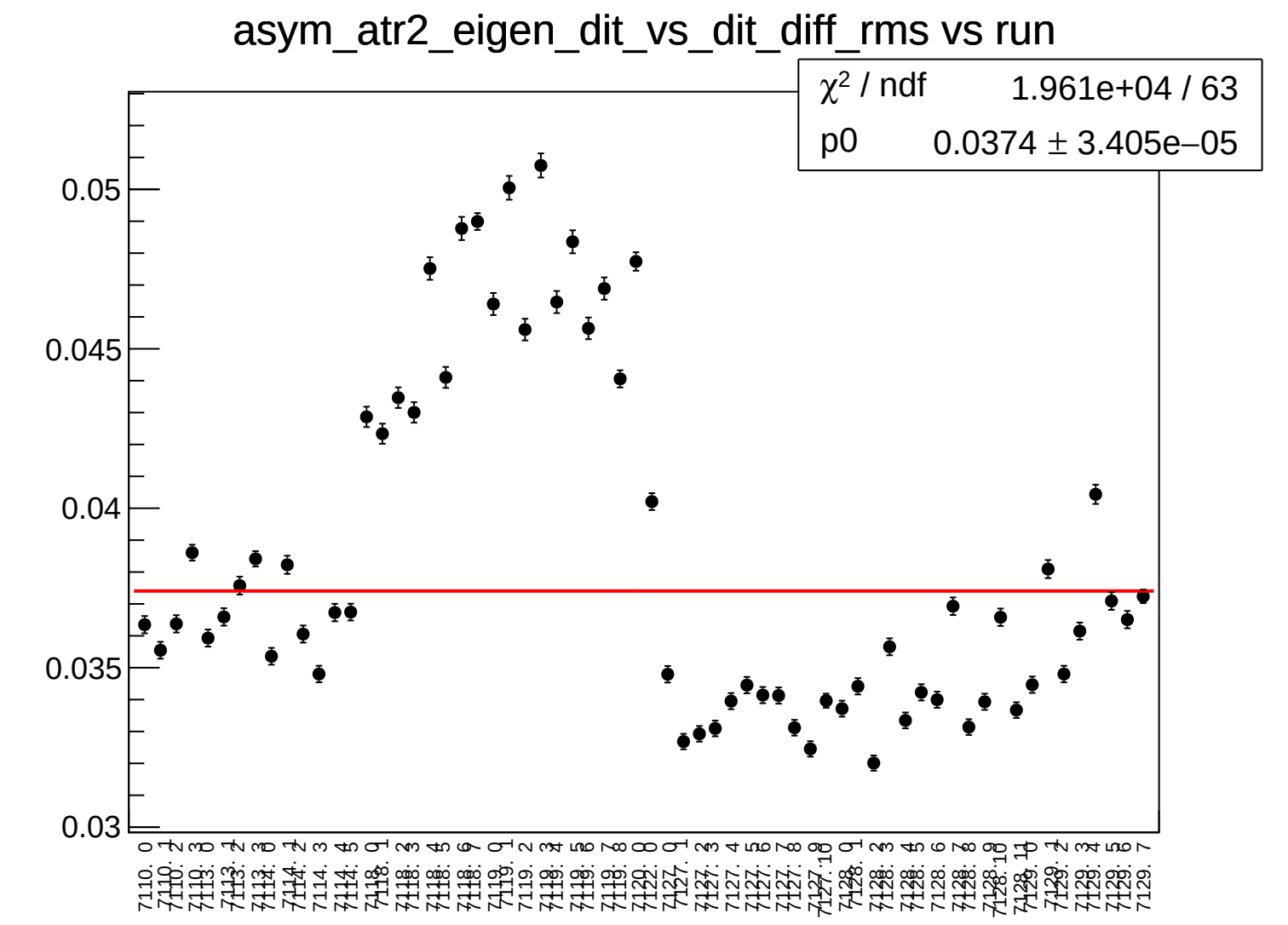

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.2 / 63
p0 −0.03414 ± 0.7444
pull
Entries 64
Mean 64.77
Std Dev 0

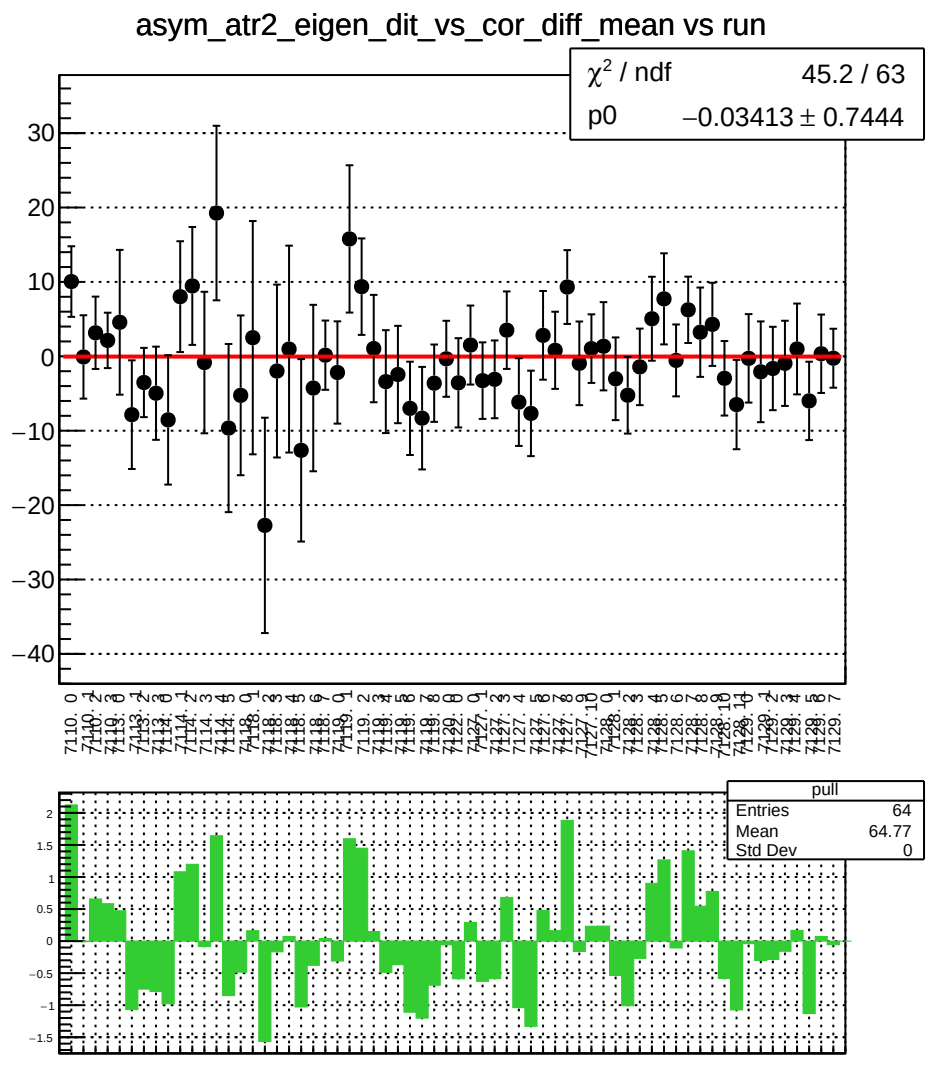

pull1D
Entries 64
Mean −0.03022
Std Dev 0.8398

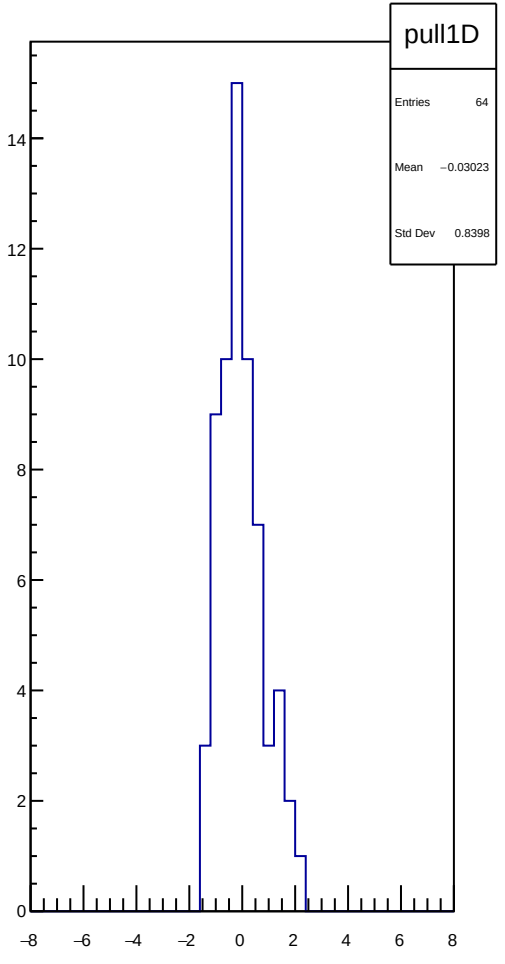

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.713e+04 / 63
p0 564.3 ± 0.5264
1600
1400
1200
1000
800
600
400

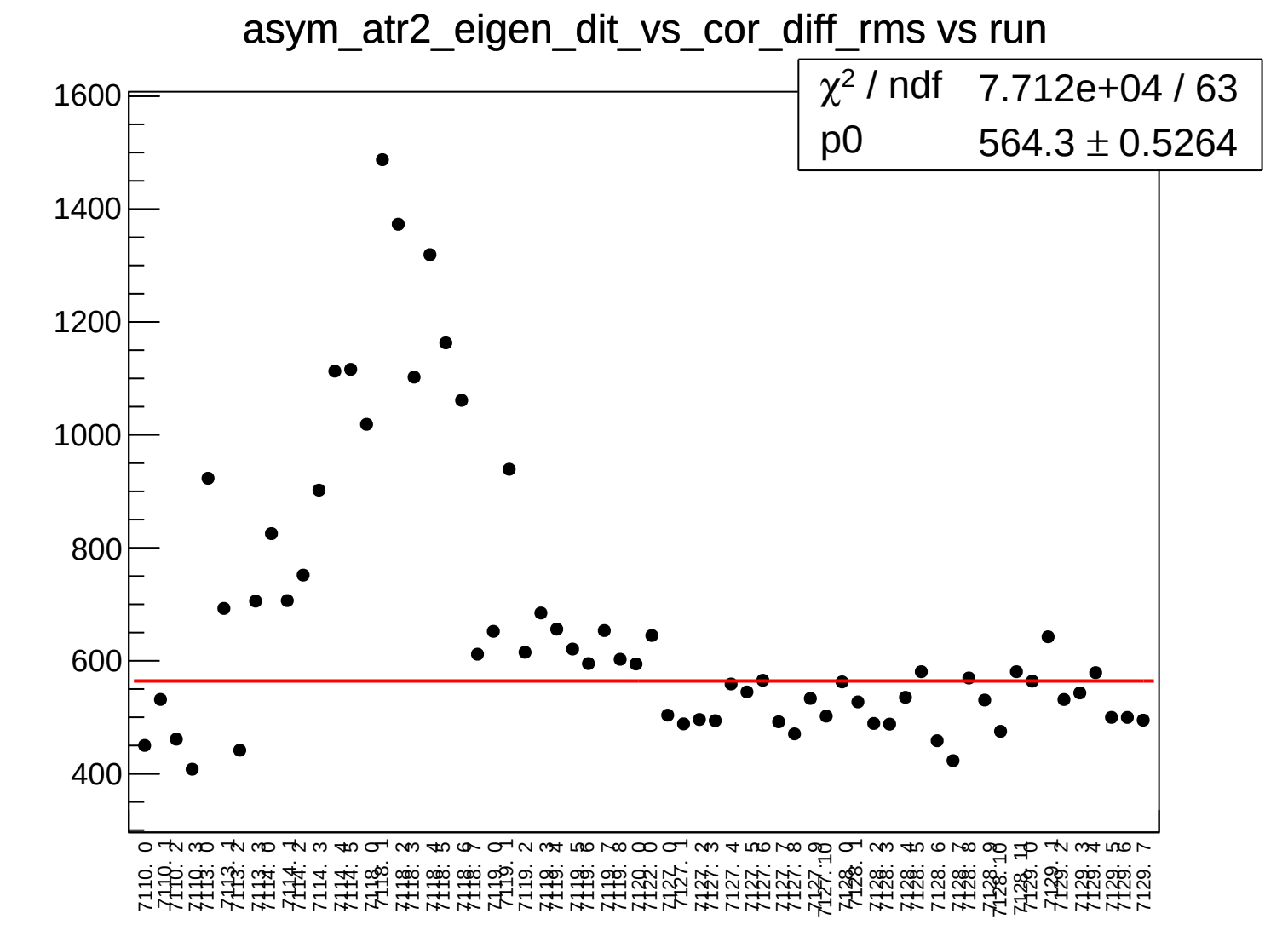

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.88 / 63
p0 −1.052e−05 ± 4.816e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 64
Mean 120
Std Dev 0

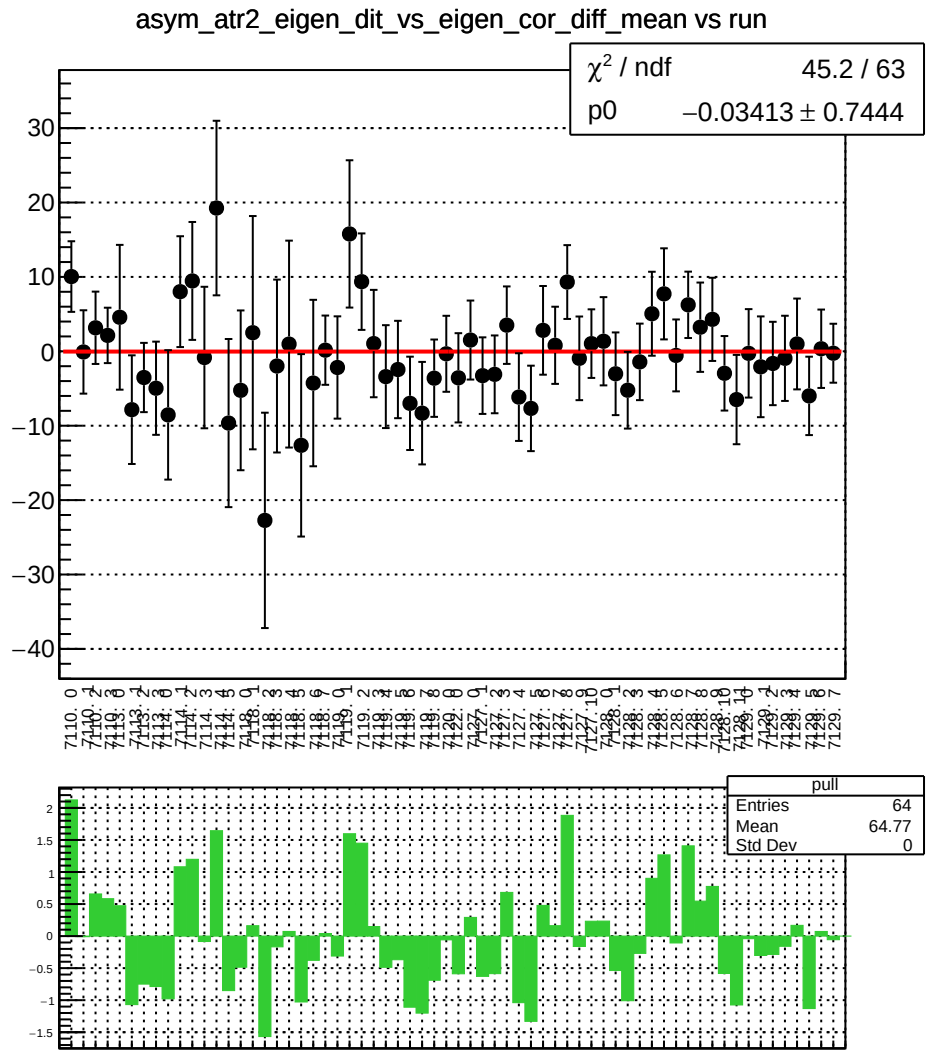

pull1D
Entries 64
Mean −0.01814
Std Dev 0.9173
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

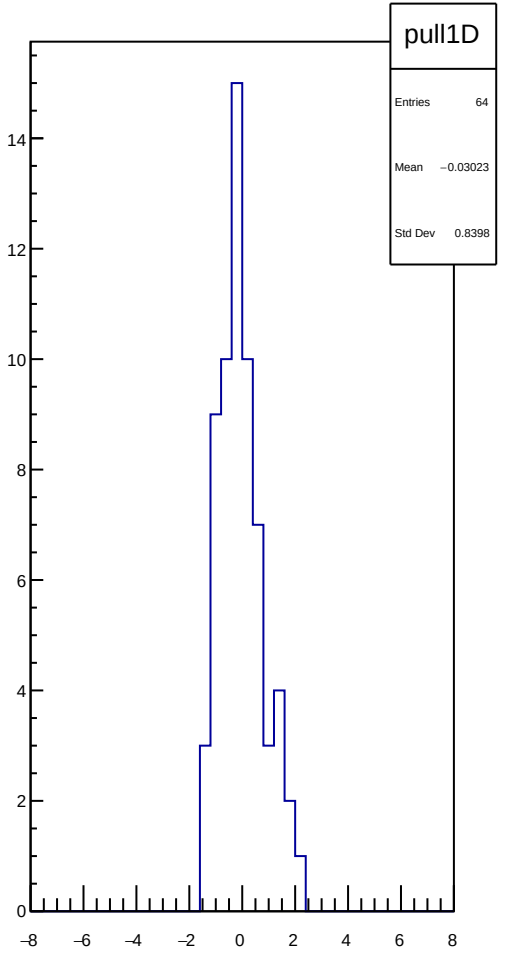

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.961e+04 / 63
p0 0.0374 ± 3.405e−05
0.05
0.045
0.04
0.035
0.03

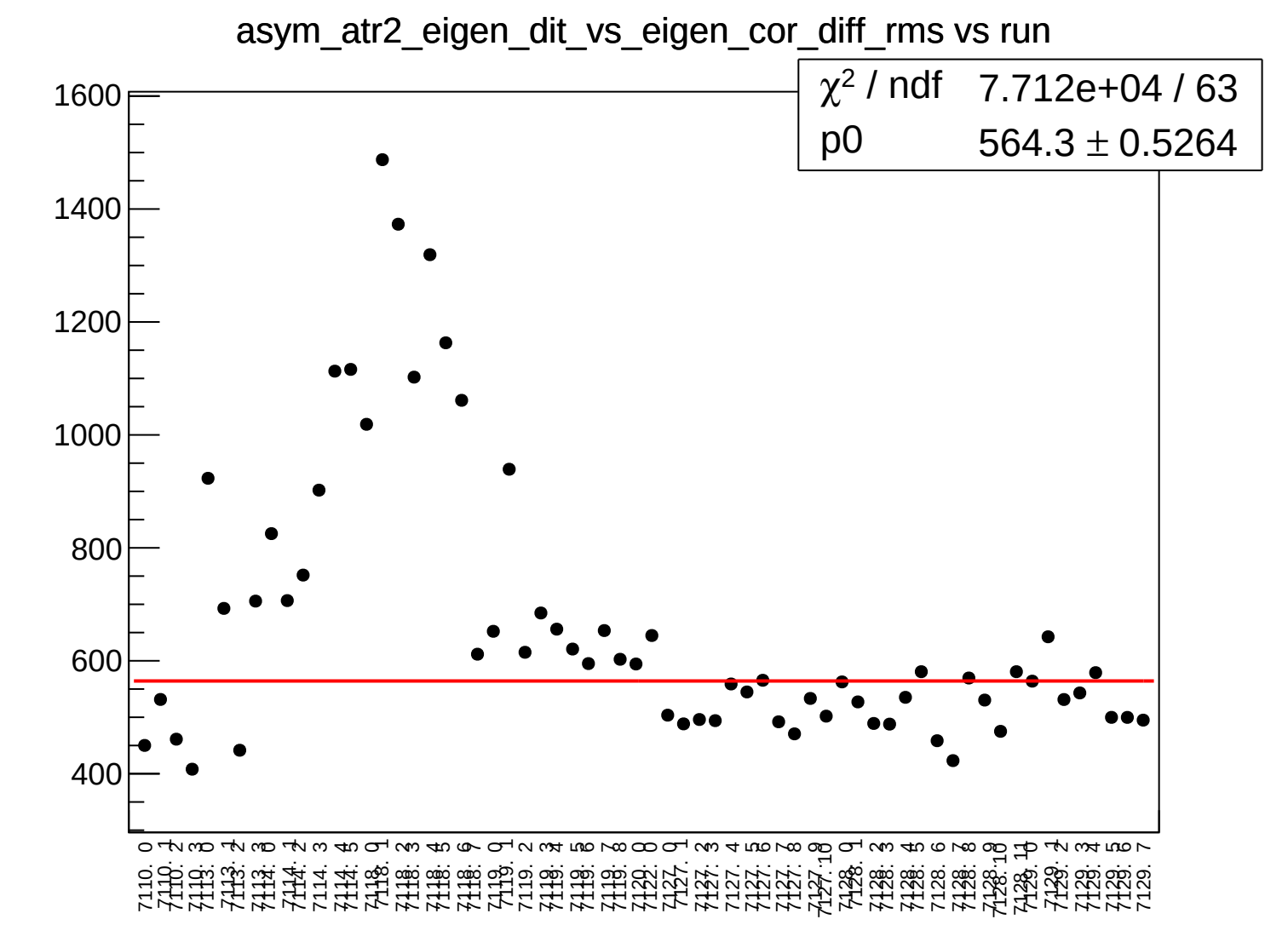

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.2 / 63
p0 −0.03413 ± 0.7444
pull
Entries 64
Mean 64.77
Std Dev 0

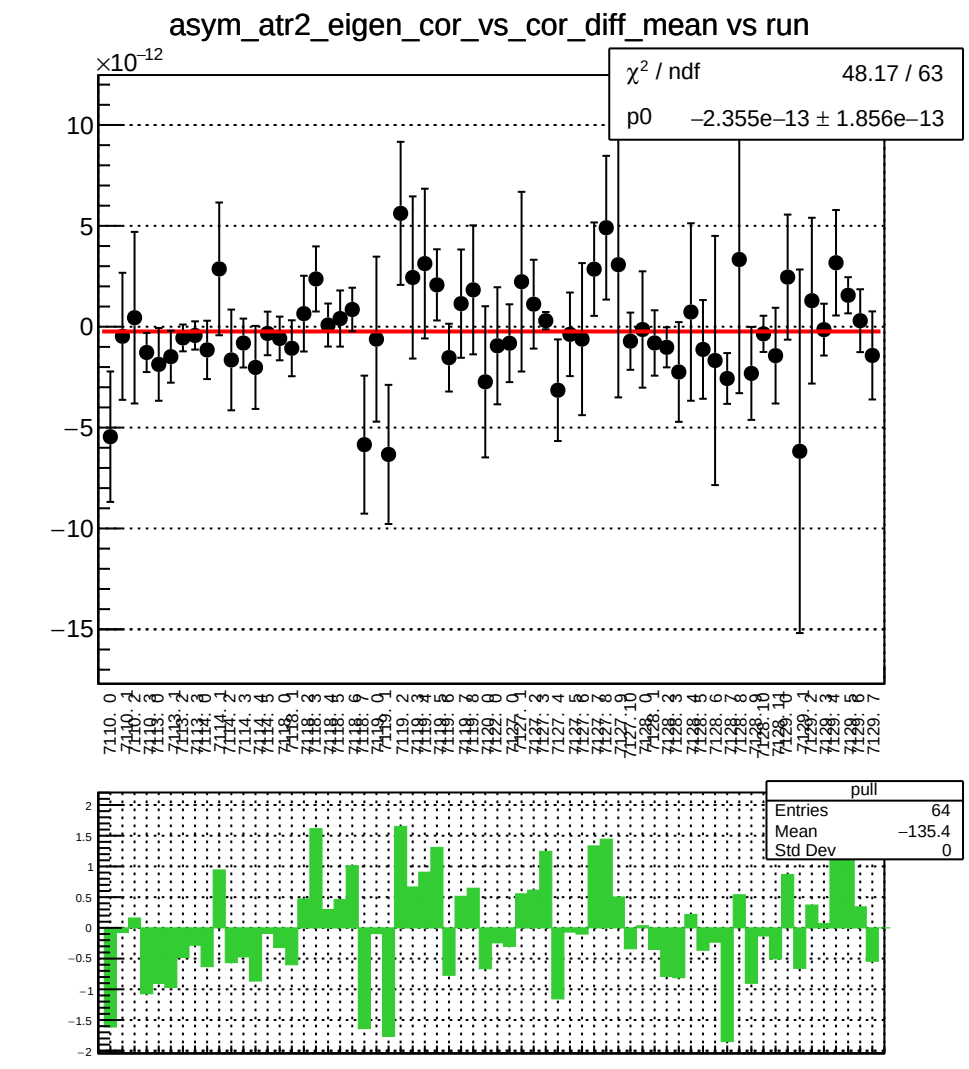

pull1D
Entries 64
Mean −0.03023
Std Dev 0.8398

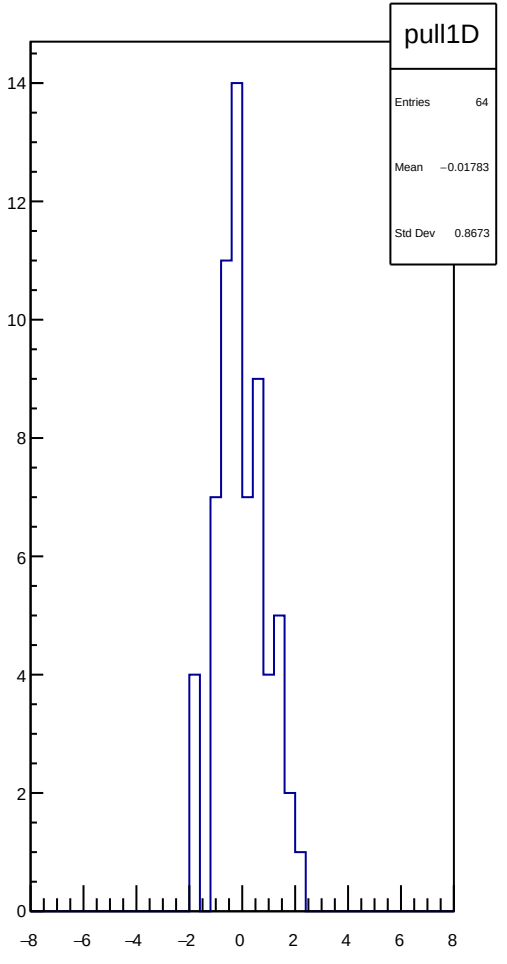

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.712e+04 / 63
p0 564.3 ± 0.5264
1600
1400
1200
1000
800
600
400

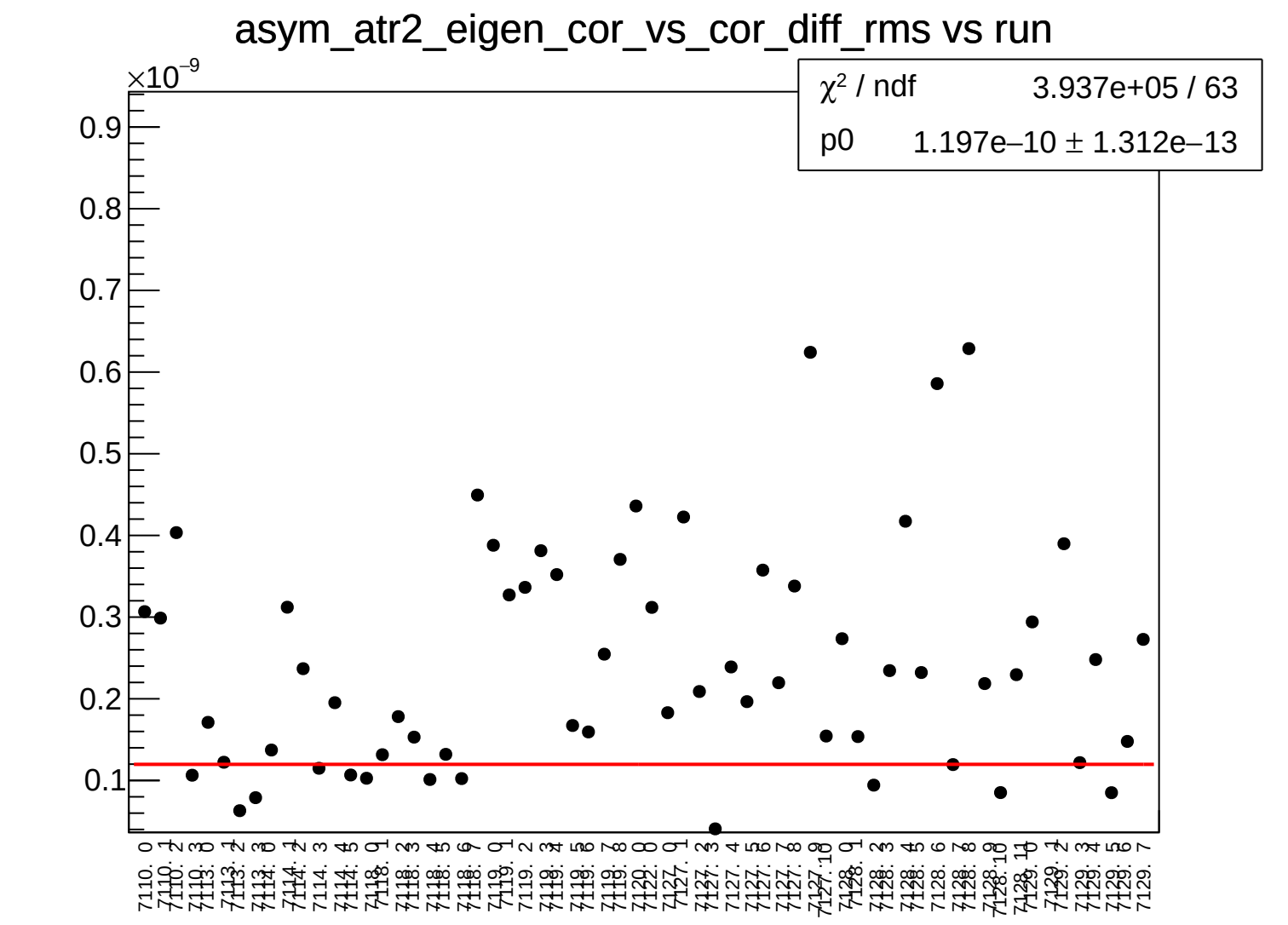

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.2 / 63
p0 −0.03413 ± 0.7444
pull
Entries 64
Mean 64.77
Std Dev 0

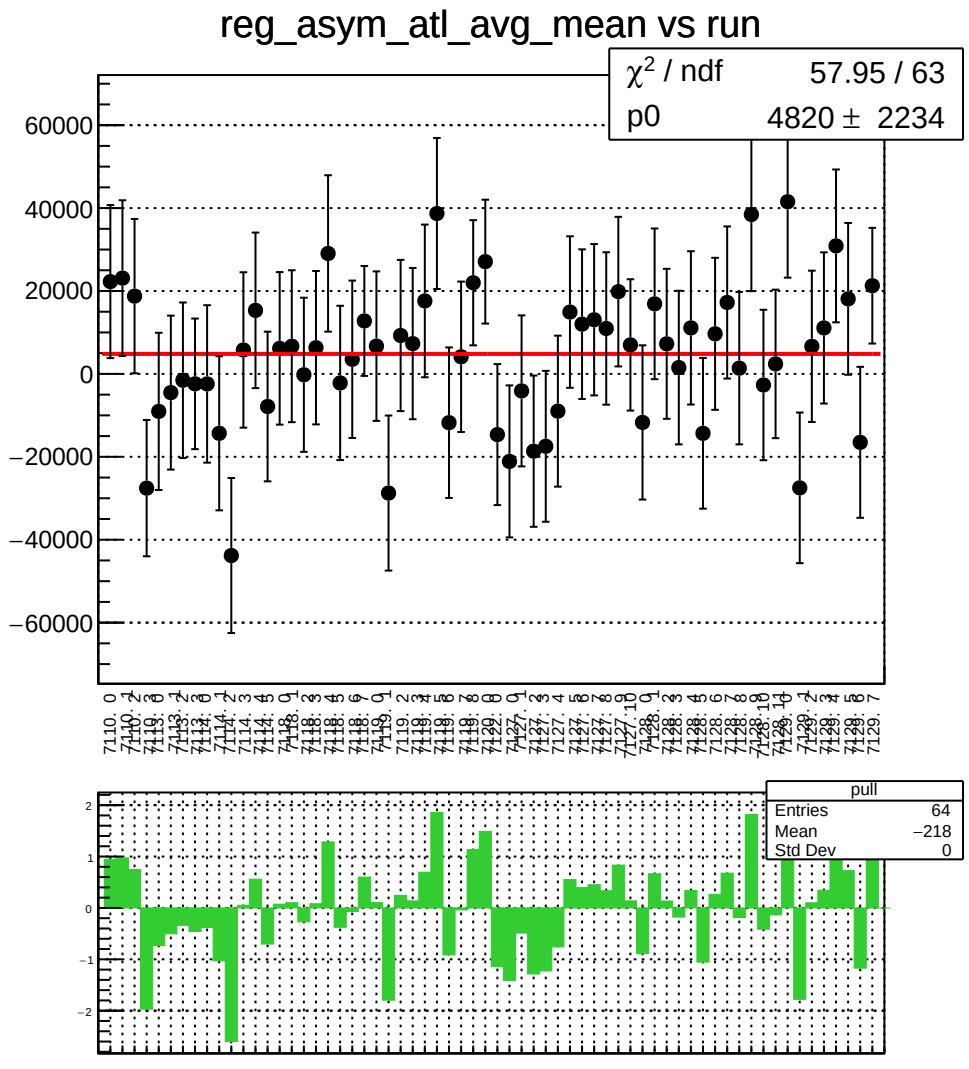

pull1D
Entries 64
Mean −0.03023
Std Dev 0.8398

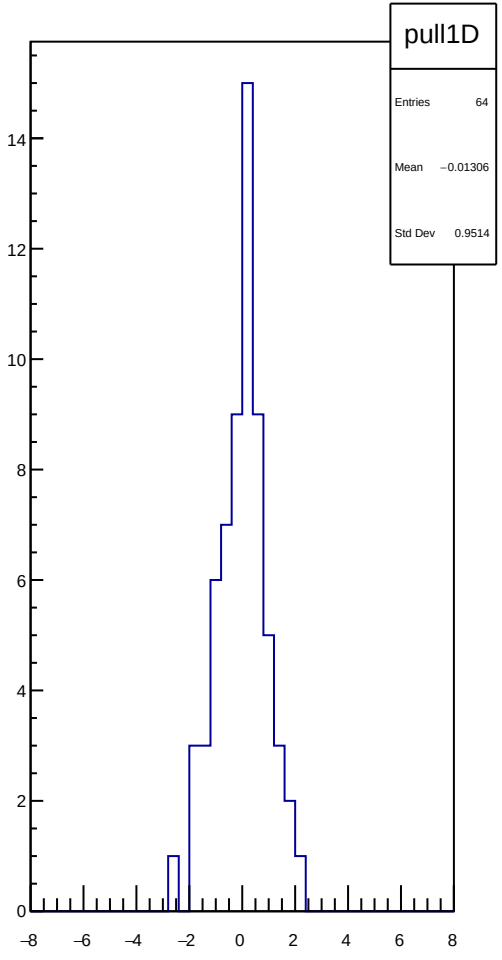

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.712e+04 / 63
p0 564.3 ± 0.5264
1600
1400
1200
1000
800
600
400

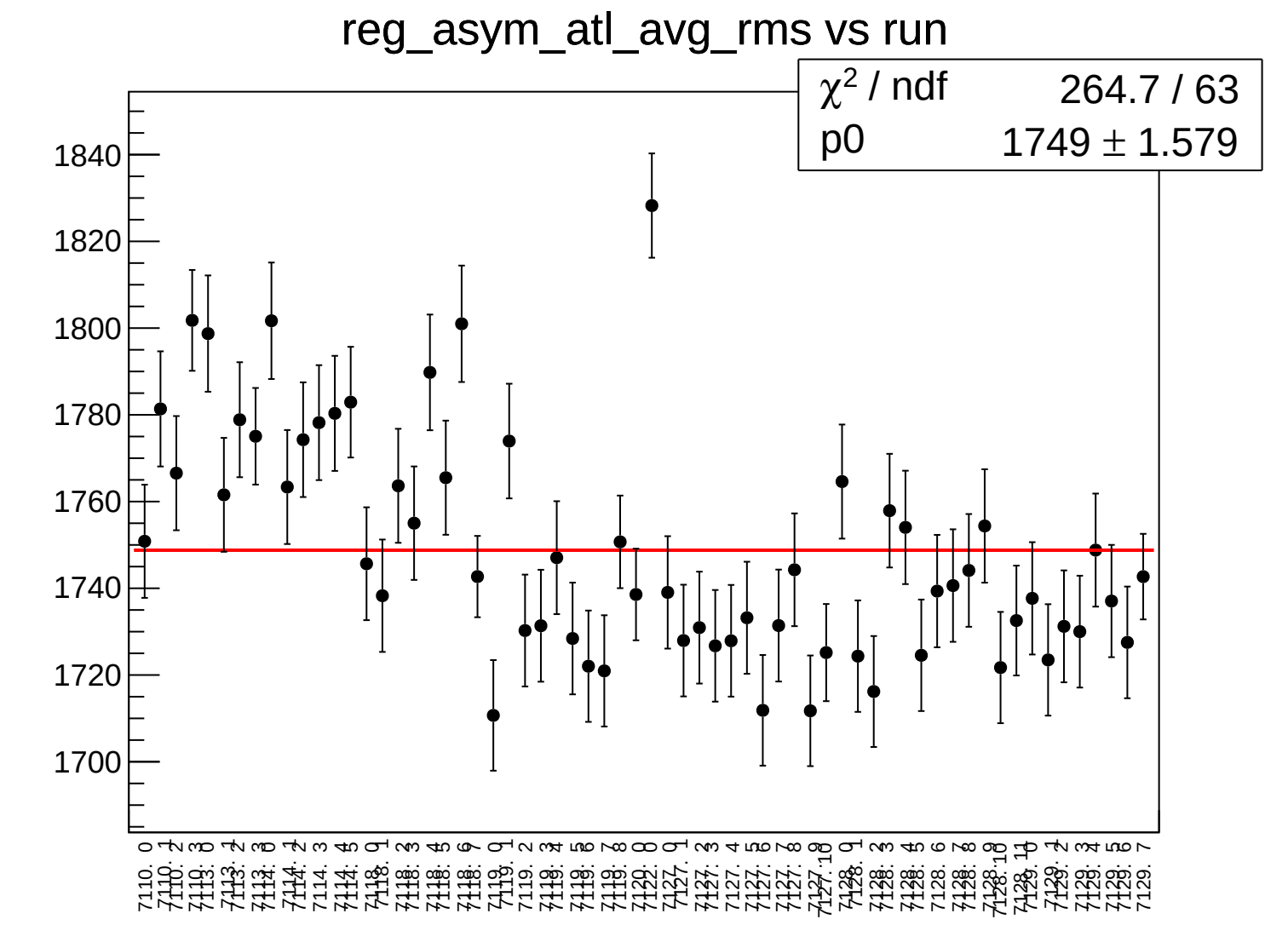

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.17 / 63
p0 −2.355e−13 ± 1.856e−13
pull
Entries 64
Mean −135.4
Std Dev 0

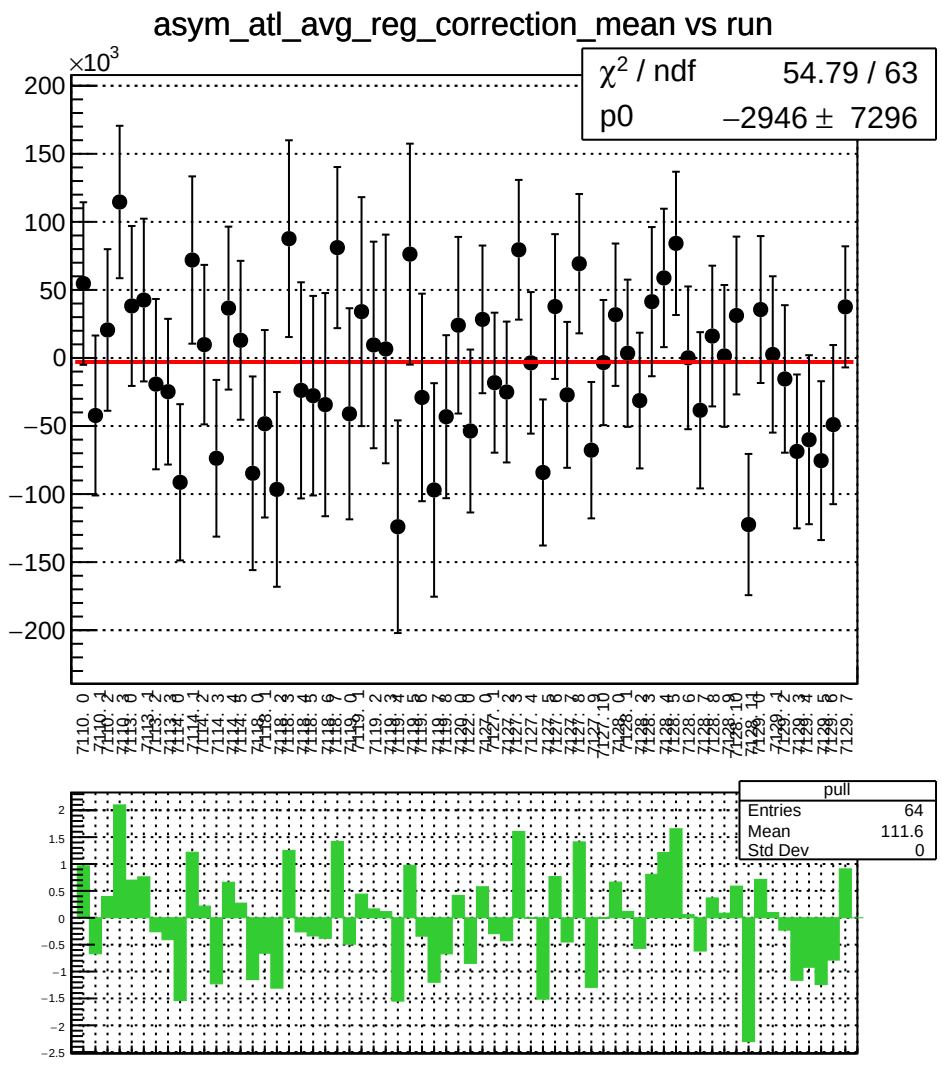

pull1D
Entries 64
Mean −0.01783
Std Dev 0.8673

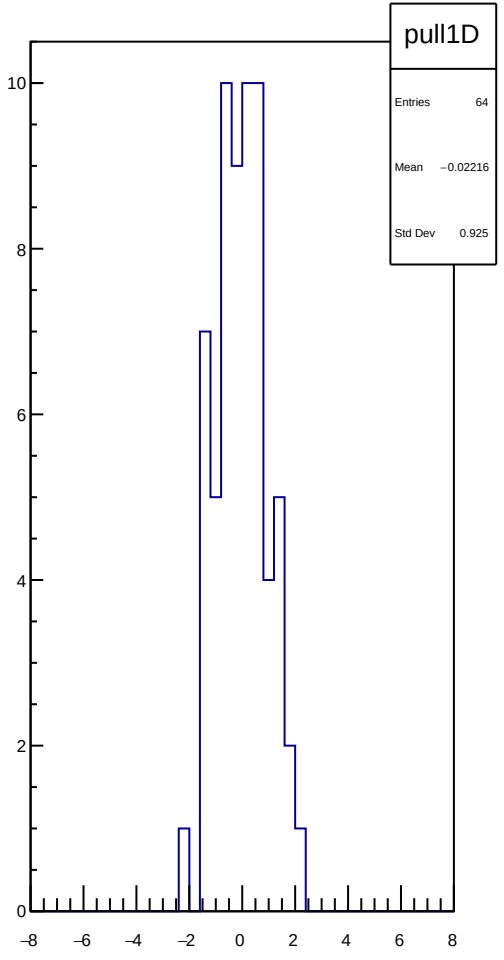

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.937e+05 / 63
p0 1.197e−10 ± 1.312e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

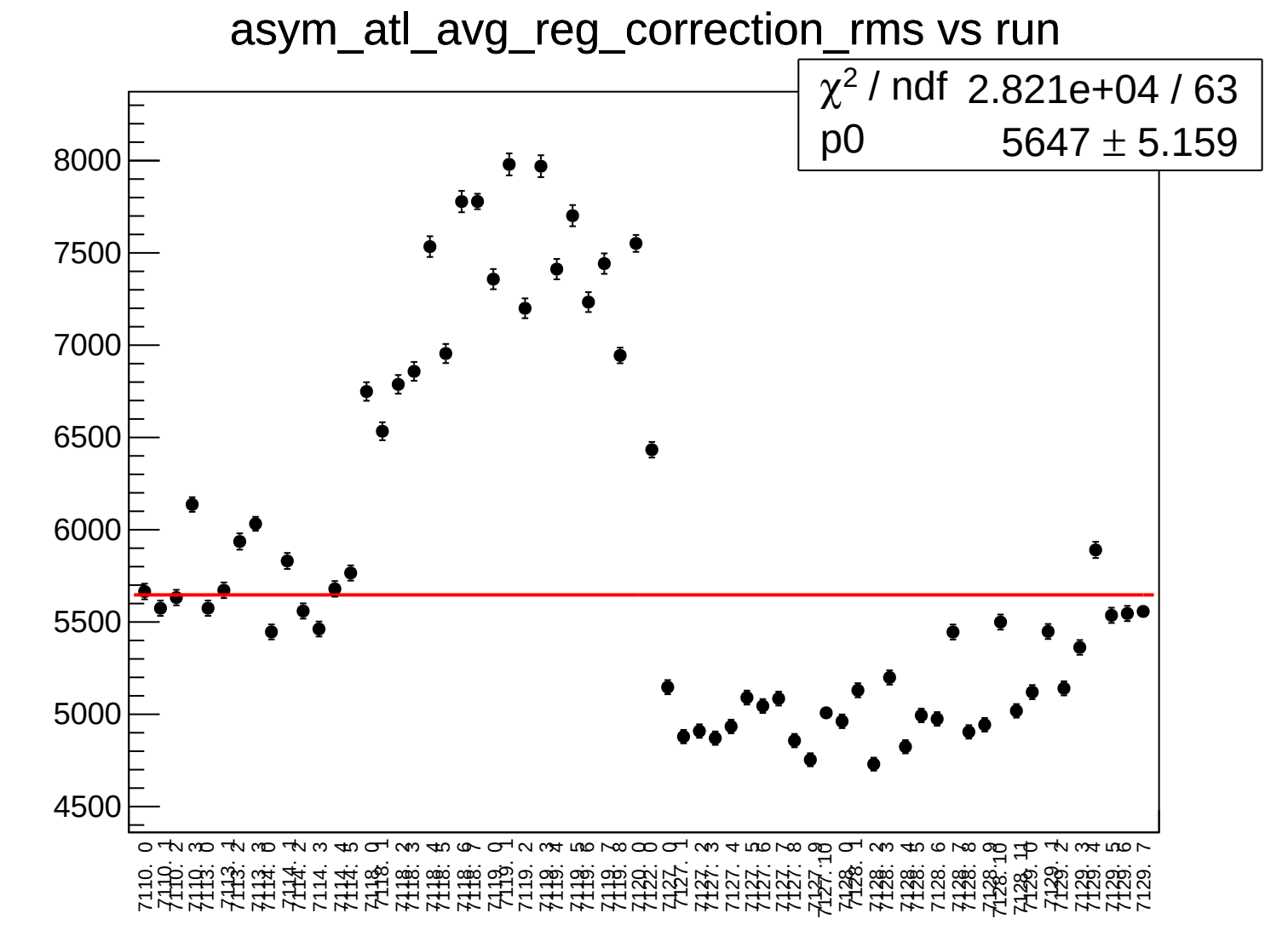

reg_asym_atl_avg_mean vs run
χ² / ndf 57.95 / 63
p0 4820 ± 2234
pull
Entries 64
Mean −218
Std Dev 0

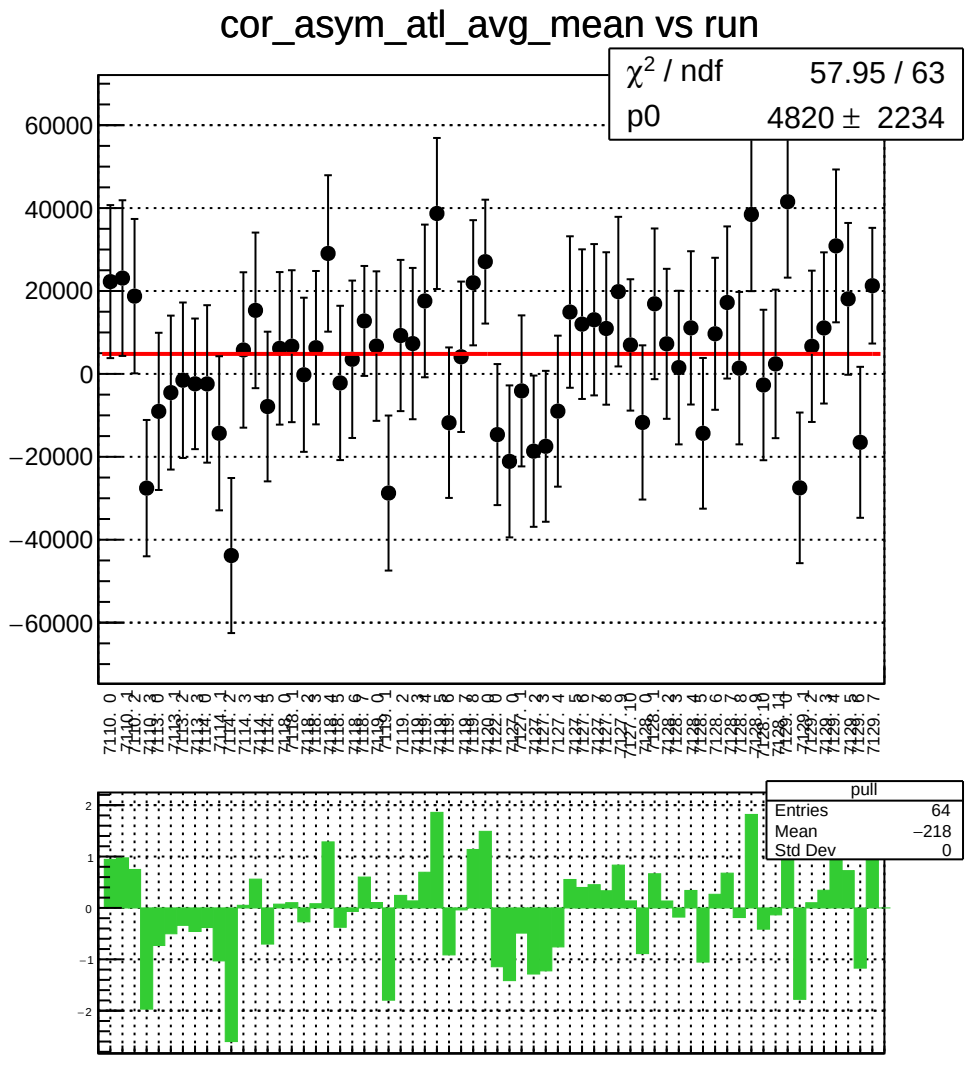

pull1D
Entries 64
Mean −0.01306
Std Dev 0.9514

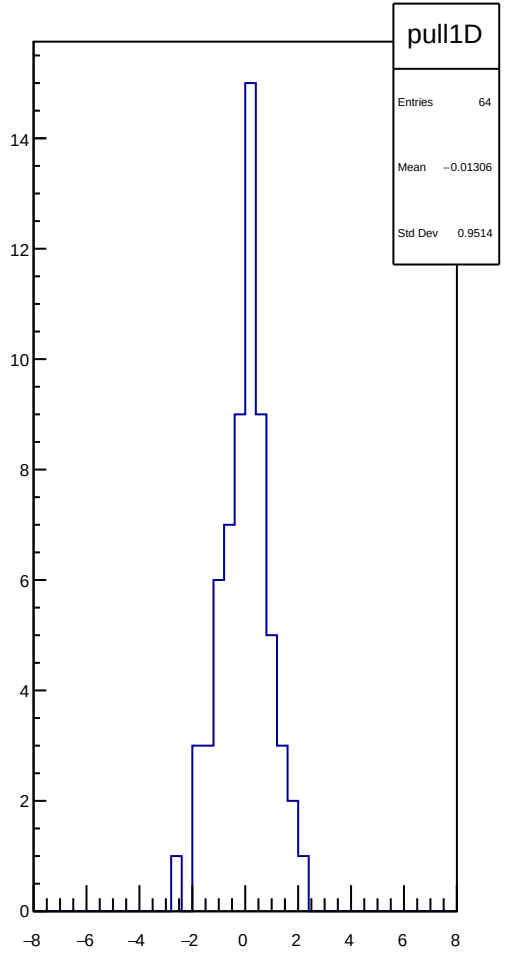

reg_asym_atl_avg_rms vs run
χ² / ndf 264.7 / 63
p0 1749 ± 1.579
1840
1820
1800
1780
1760
1740
1720
1700

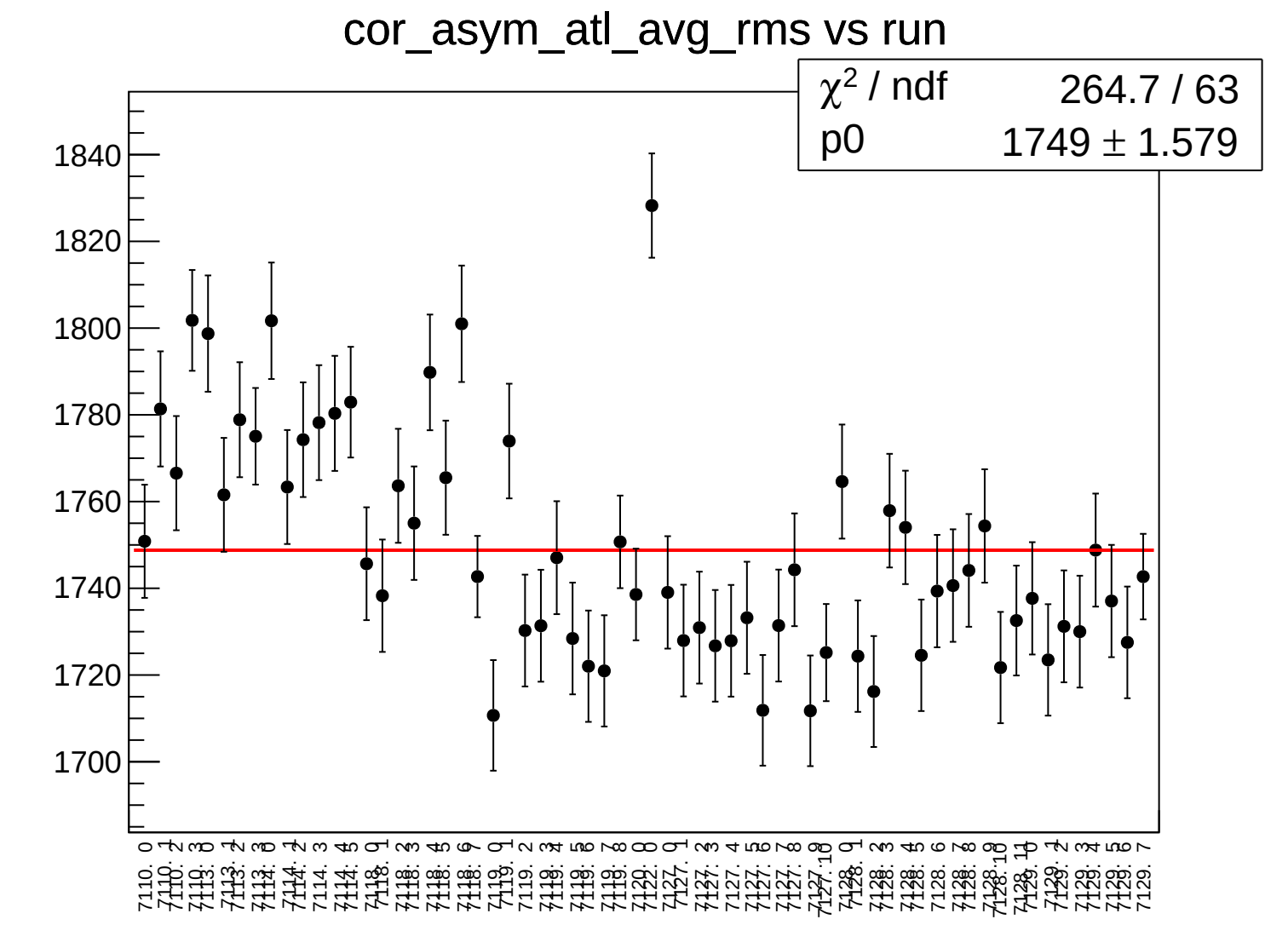

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.79 / 63
p0 −2946 ± 7296
pull
Entries 64
Mean 111.6
Std Dev 0

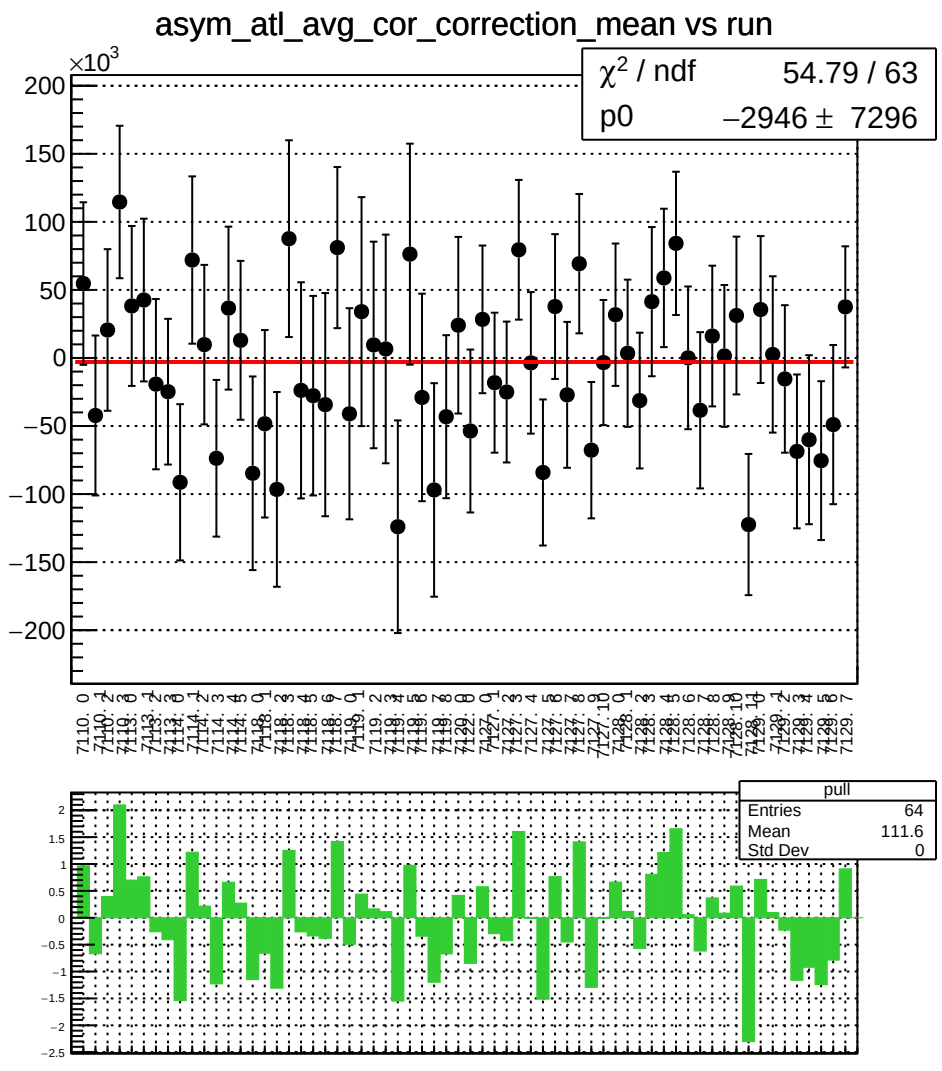

pull1D
Entries 64
Mean −0.02216
Std Dev 0.925

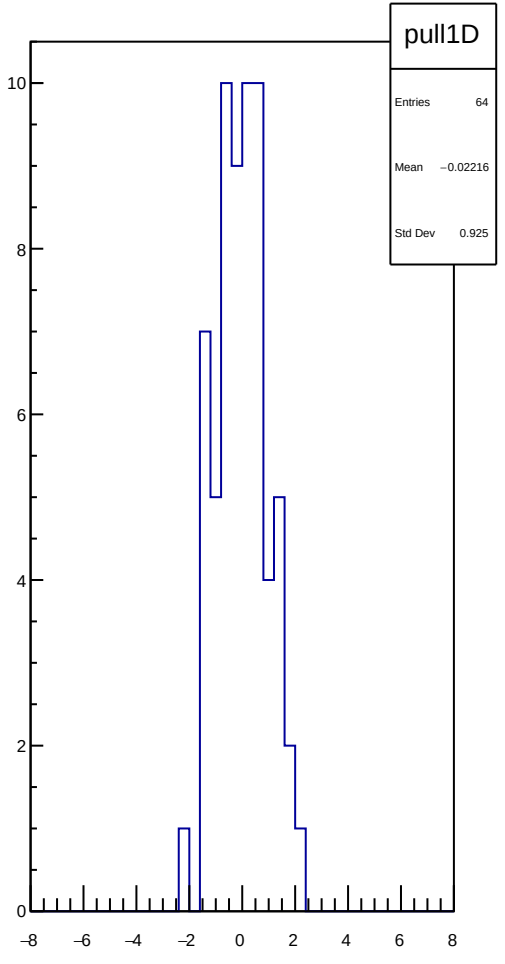

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 2.821e+04 / 63
p0 5647 ± 5.159
8000
7500
7000
6500
6000
5500
5000
4500

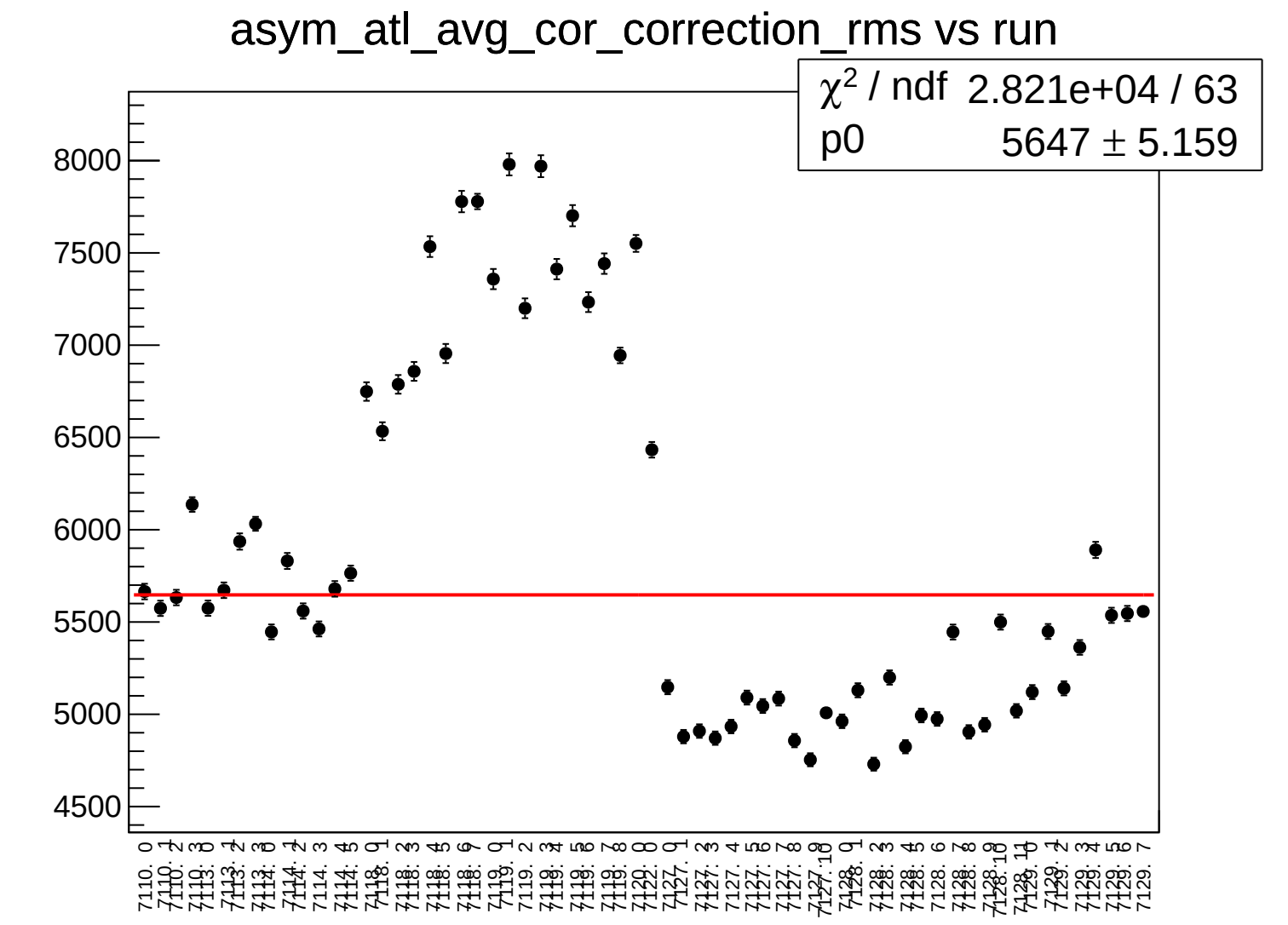

cor_asym_atl_avg_mean vs run
χ² / ndf 57.95 / 63
p0 4820 ± 2234
pull
Entries 64
Mean −218
Std Dev 0

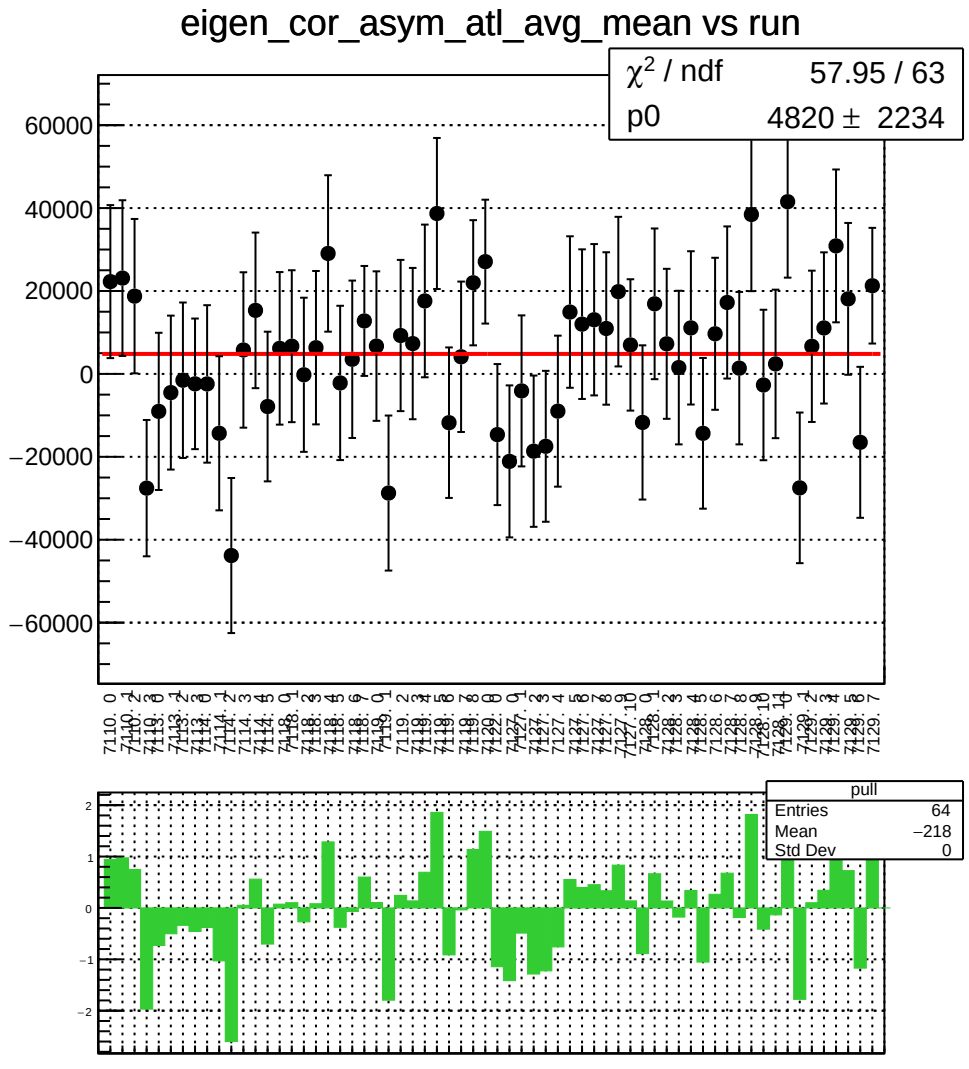

pull1D
Entries 64
Mean −0.01306
Std Dev 0.9514

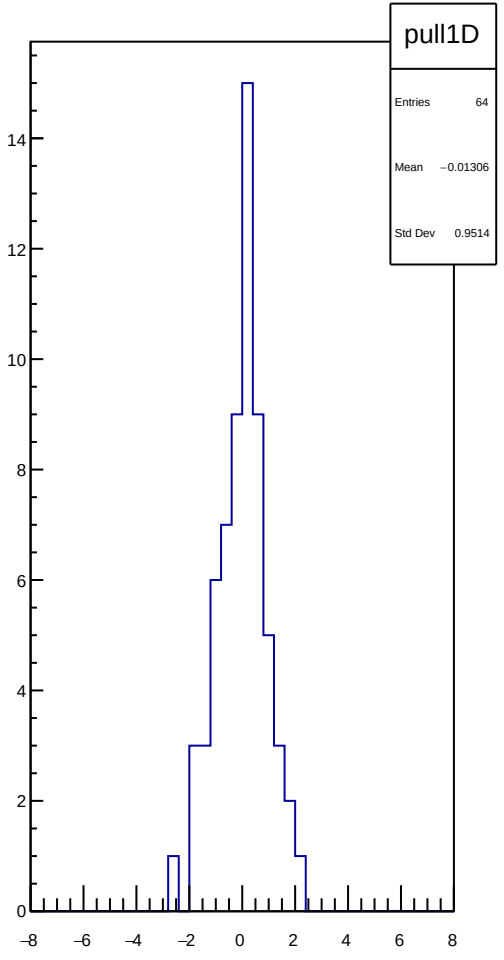

cor_asym_atl_avg_rms vs run
χ² / ndf 264.7 / 63
p0 1749 ± 1.579
1840
1820
1800
1780
1760
1740
1720
1700

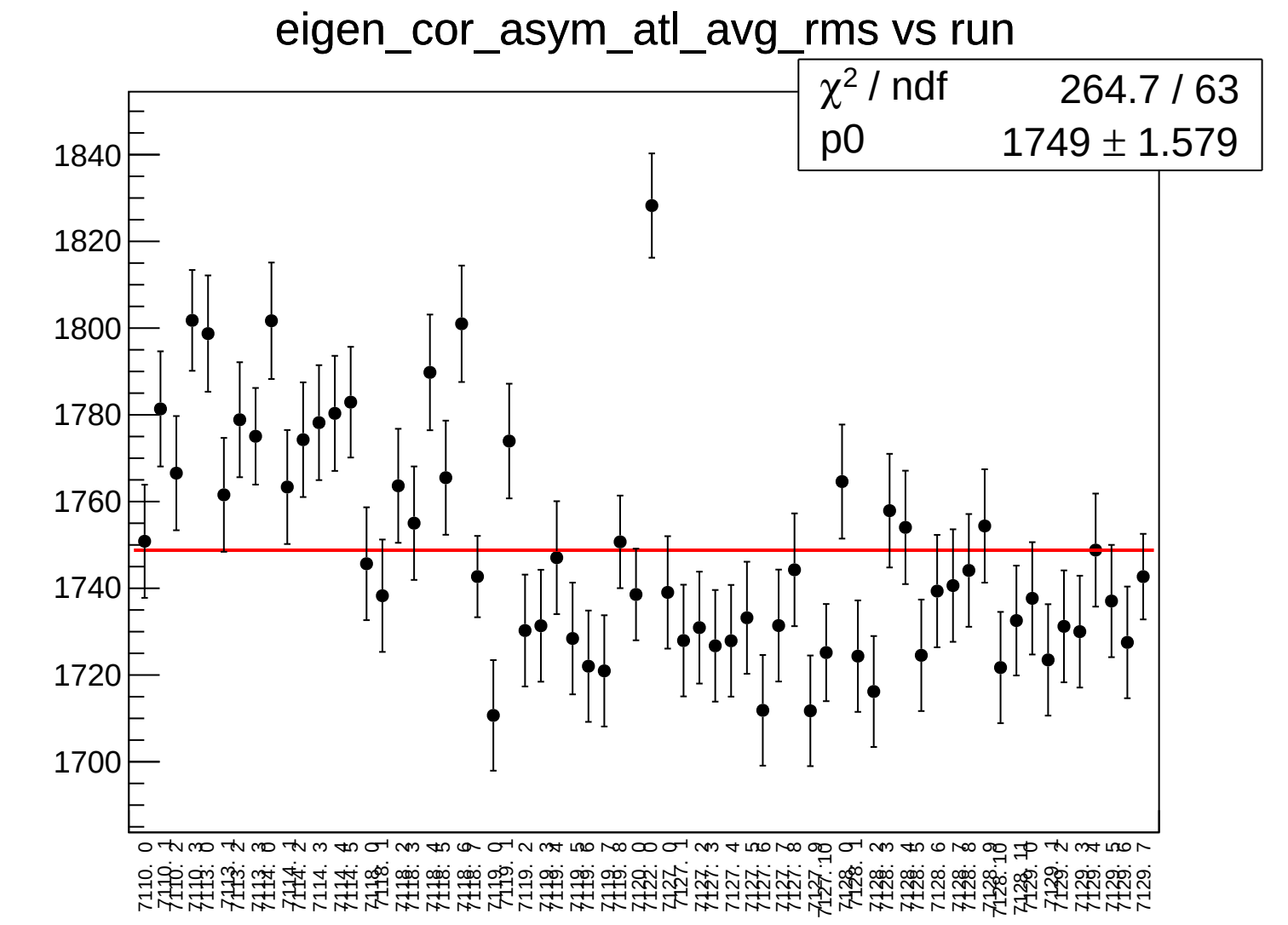

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.79 / 63
p0 −2946 ± 7296
pull
Entries 64
Mean 111.6
Std Dev 0

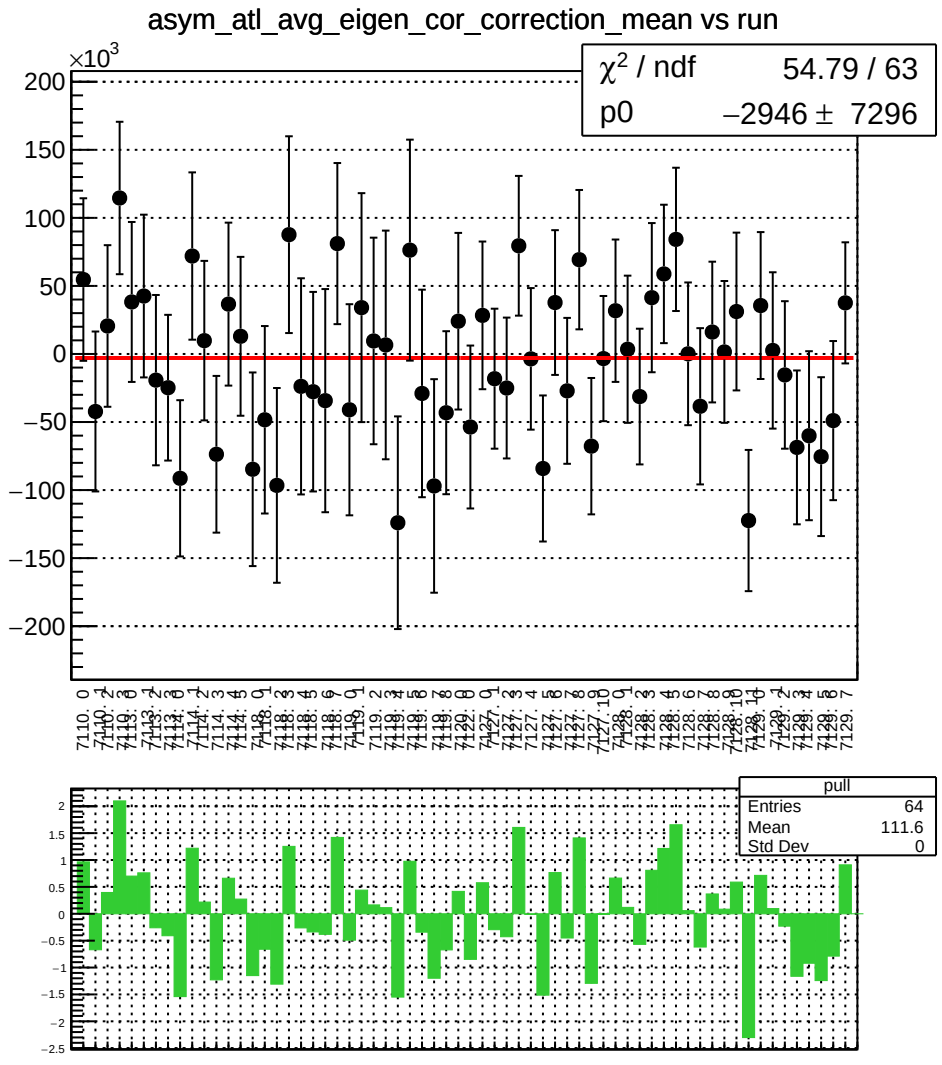

pull1D
Entries 64
Mean −0.02216
Std Dev 0.925

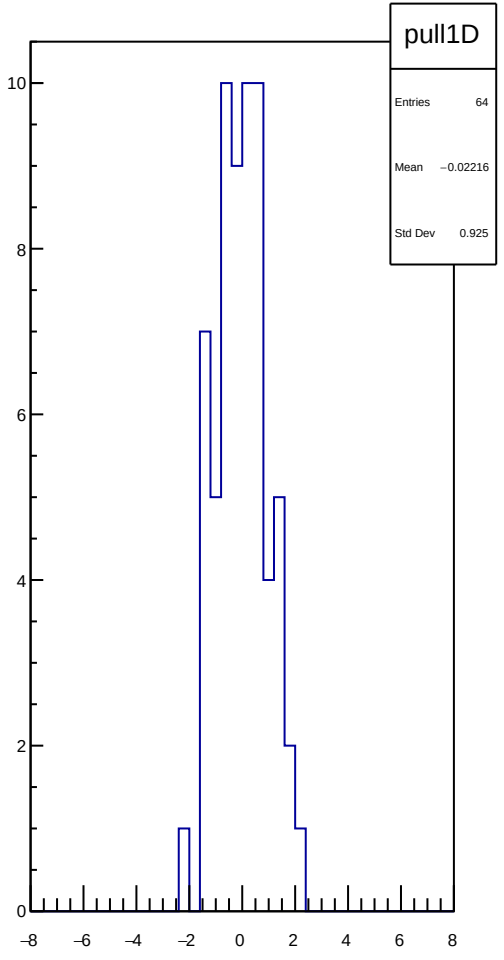

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 2.821e+04 / 63
p0 5647 ± 5.159
8000
7500
7000
6500
6000
5500
5000
4500

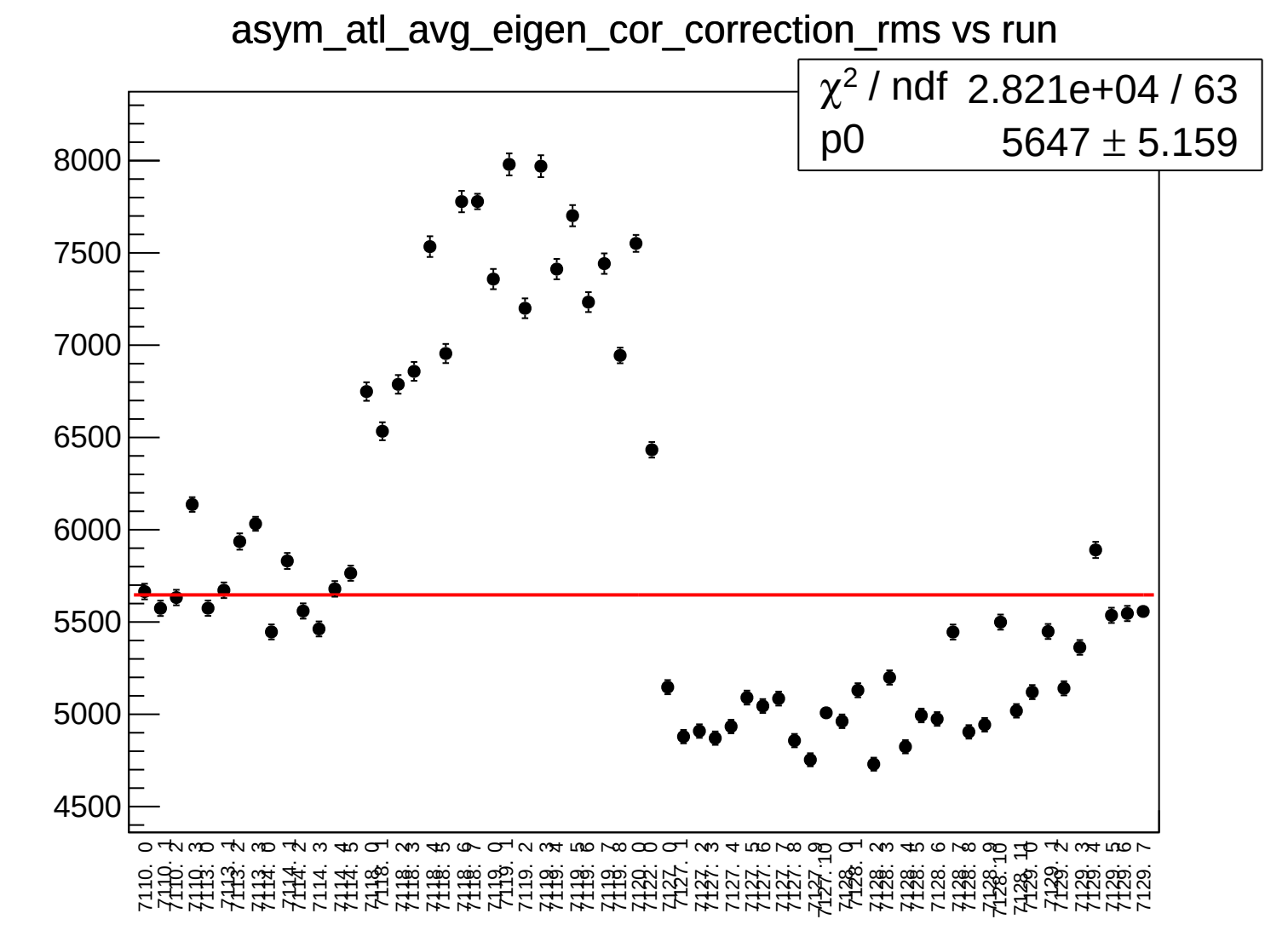

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 57.95 / 63
p0 4820 ± 2234
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −218
Std Dev 0
2
1
0
−1
−2

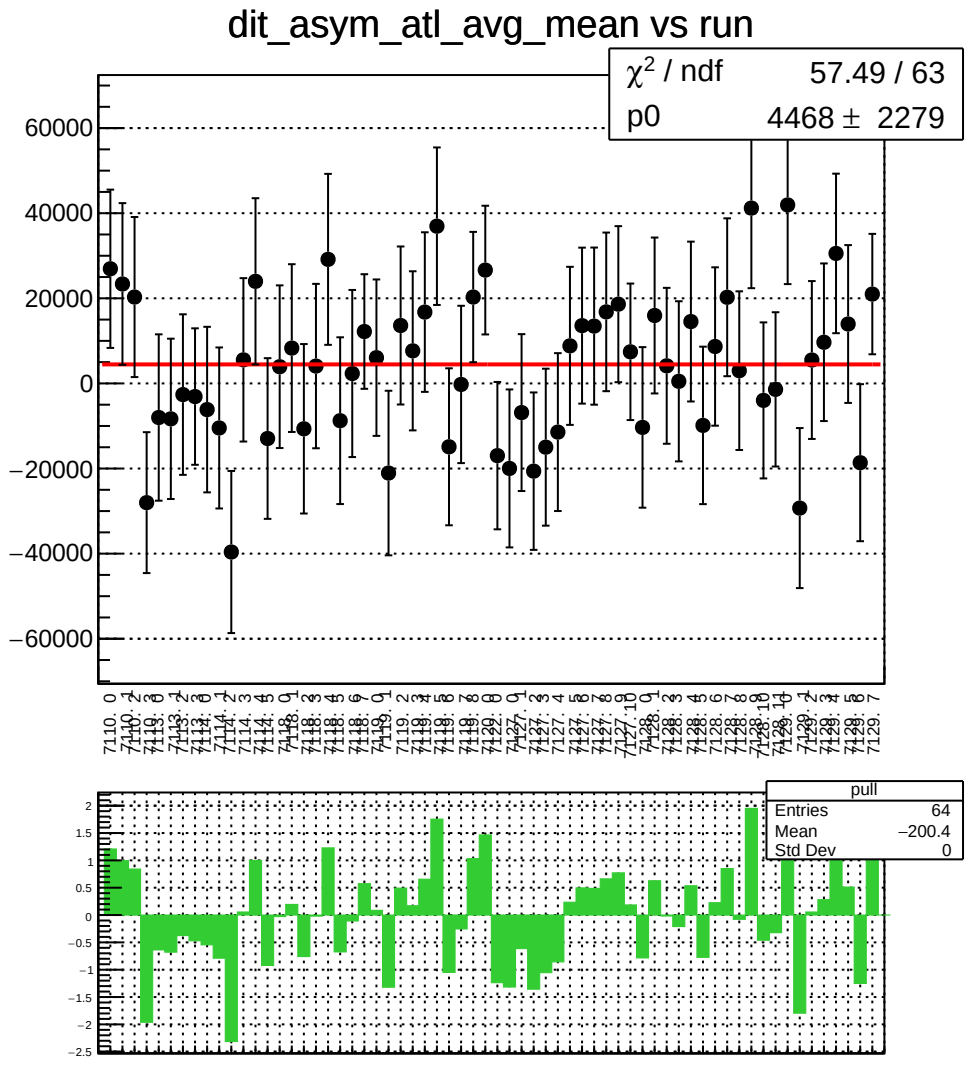

pull1D
Entries 64
Mean −0.01306
Std Dev 0.9514
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

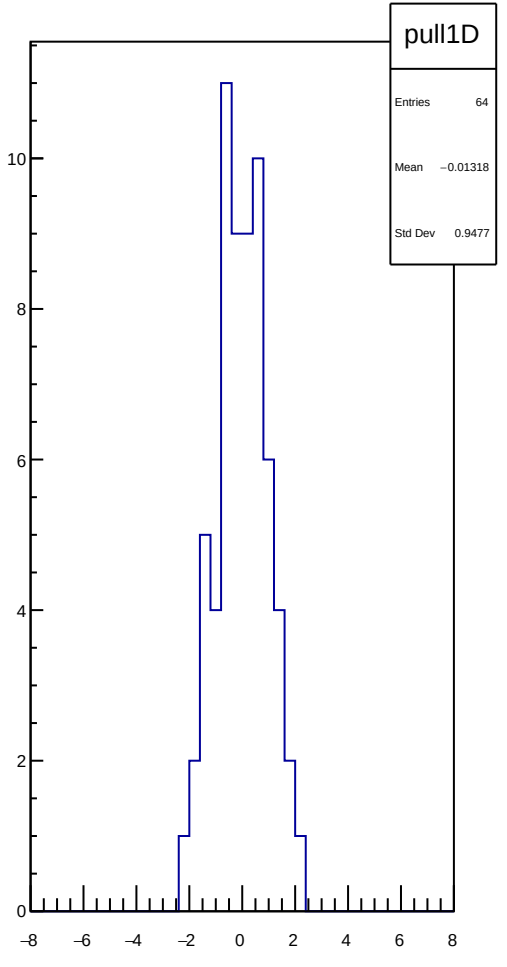

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 264.7 / 63
p0 1749 ± 1.579
1840
1820
1800
1780
1760
1740
1720
1700

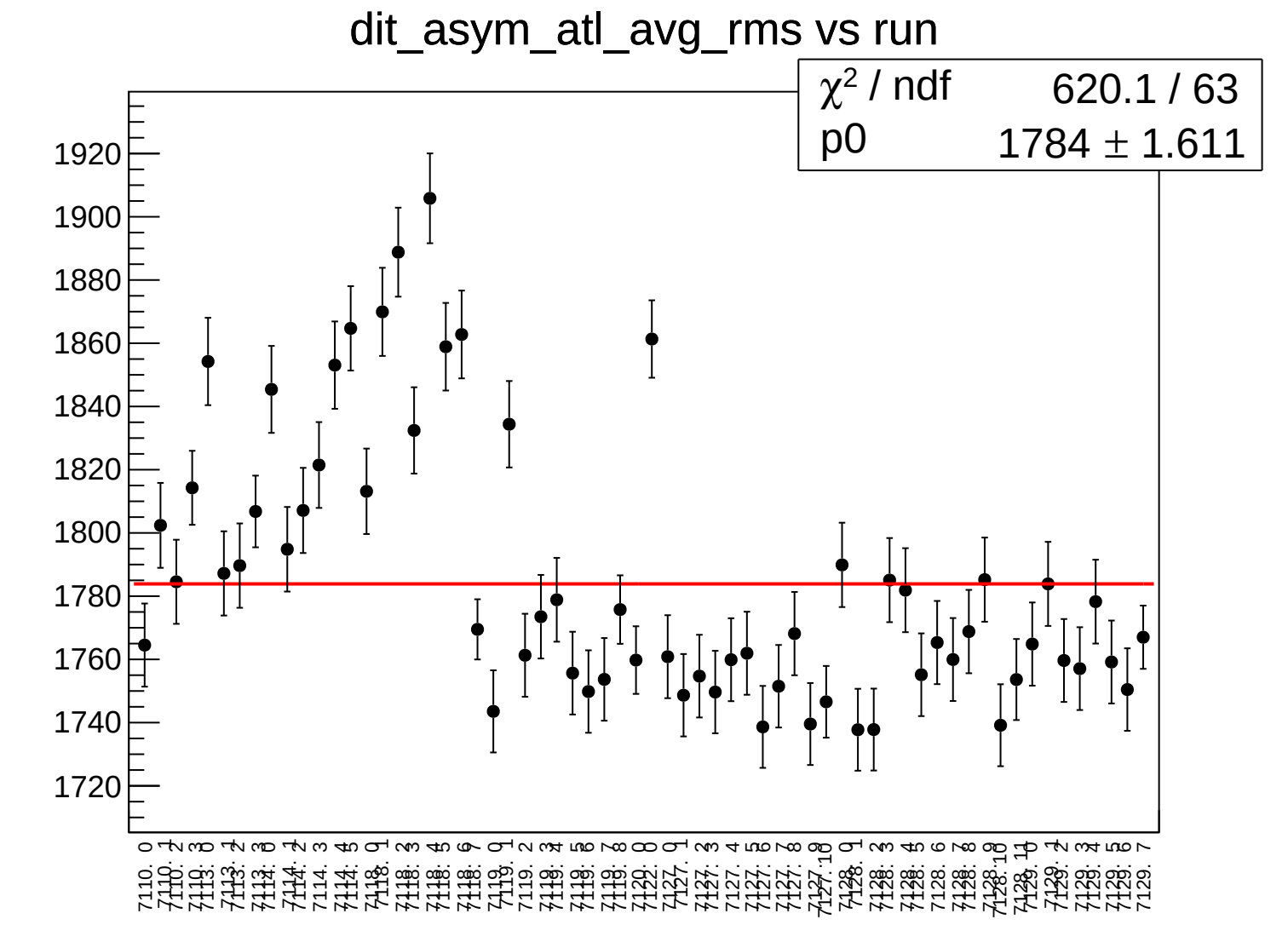

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.79 / 63
p0 −2946 ± 7296
pull
Entries 64
Mean 111.6
Std Dev 0

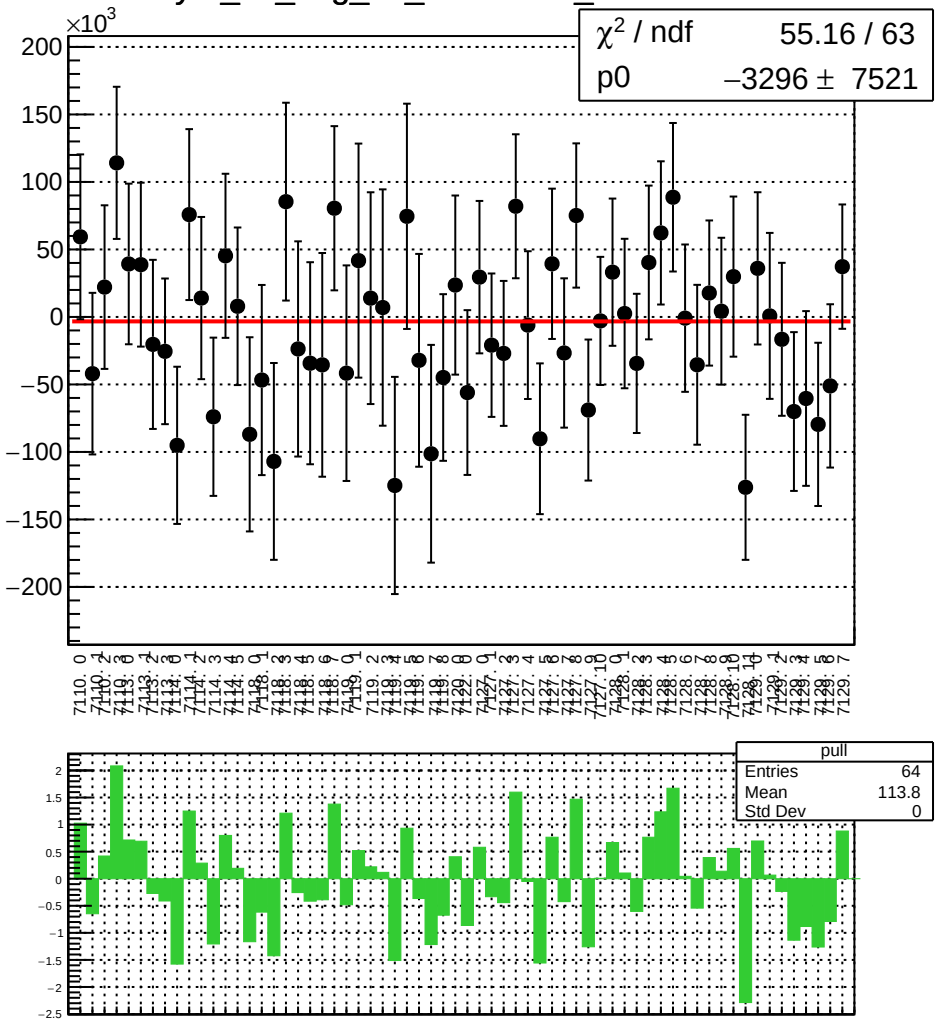

pull1D
Entries 64
Mean −0.02216
Std Dev 0.925

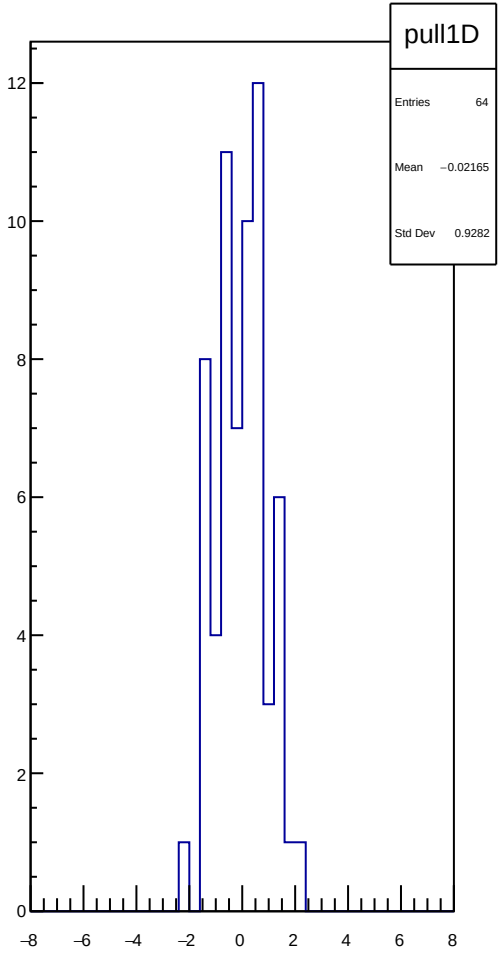

asym_atl_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 2.821e+04 / 63
p0 5647 ± 5.159
8000
7500
7000
6500
6000
5500
5000
4500

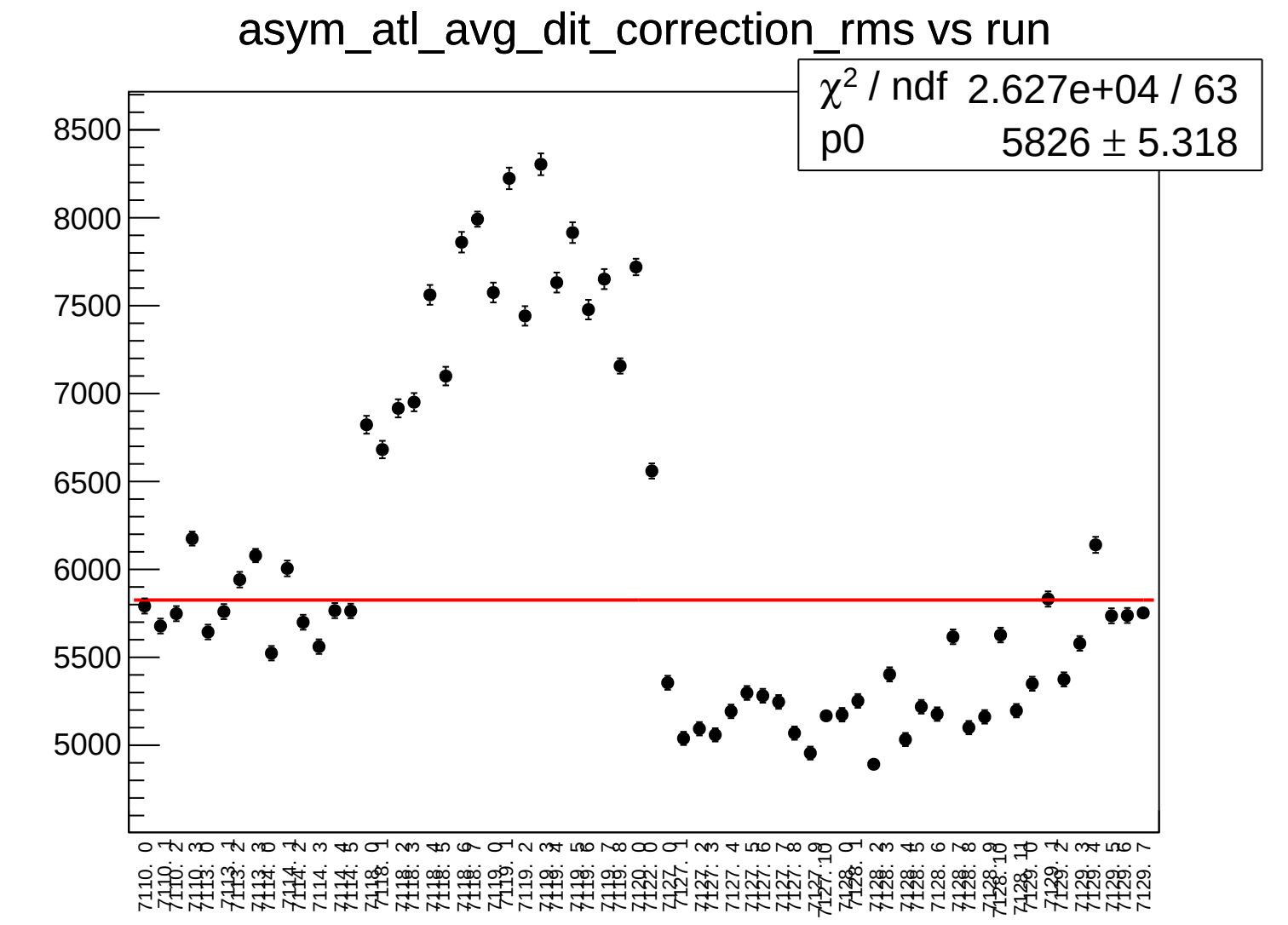

dit_asym_atl_avg_mean vs run
χ² / ndf 57.49 / 63
p0 4468 ± 2279
pull
Entries 64
Mean −200.4
Std Dev 0

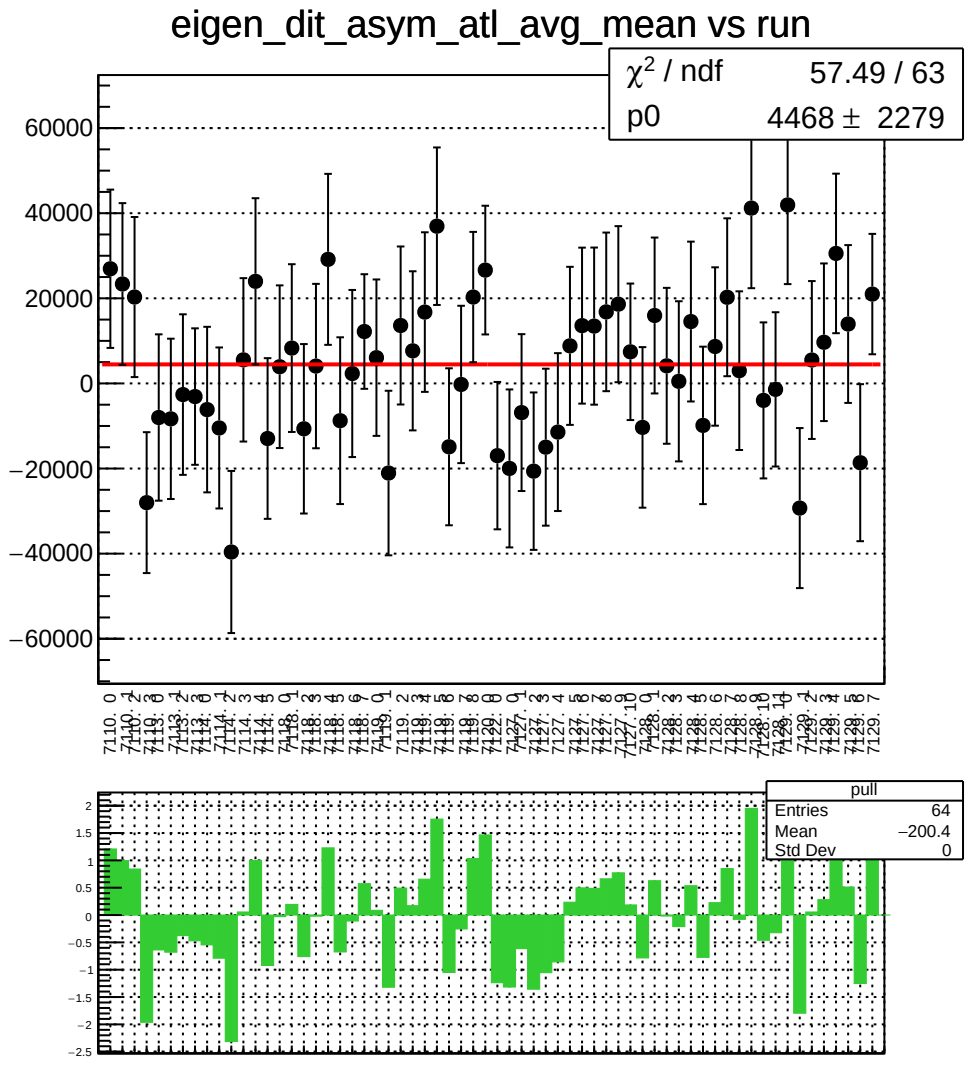

pull1D
Entries 64
Mean −0.01318
Std Dev 0.9477

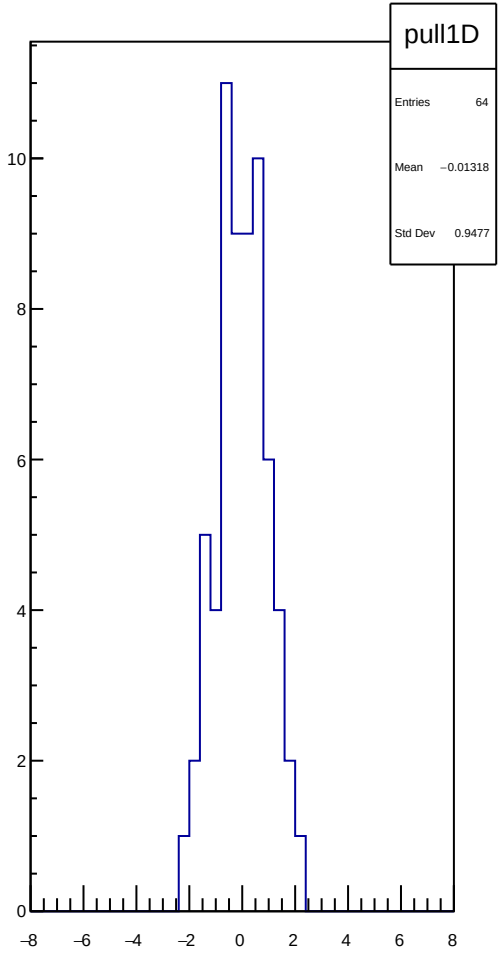

dit_asym_atl_avg_rms vs run
χ² / ndf 620.1 / 63
p0 1784 ± 1.611
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

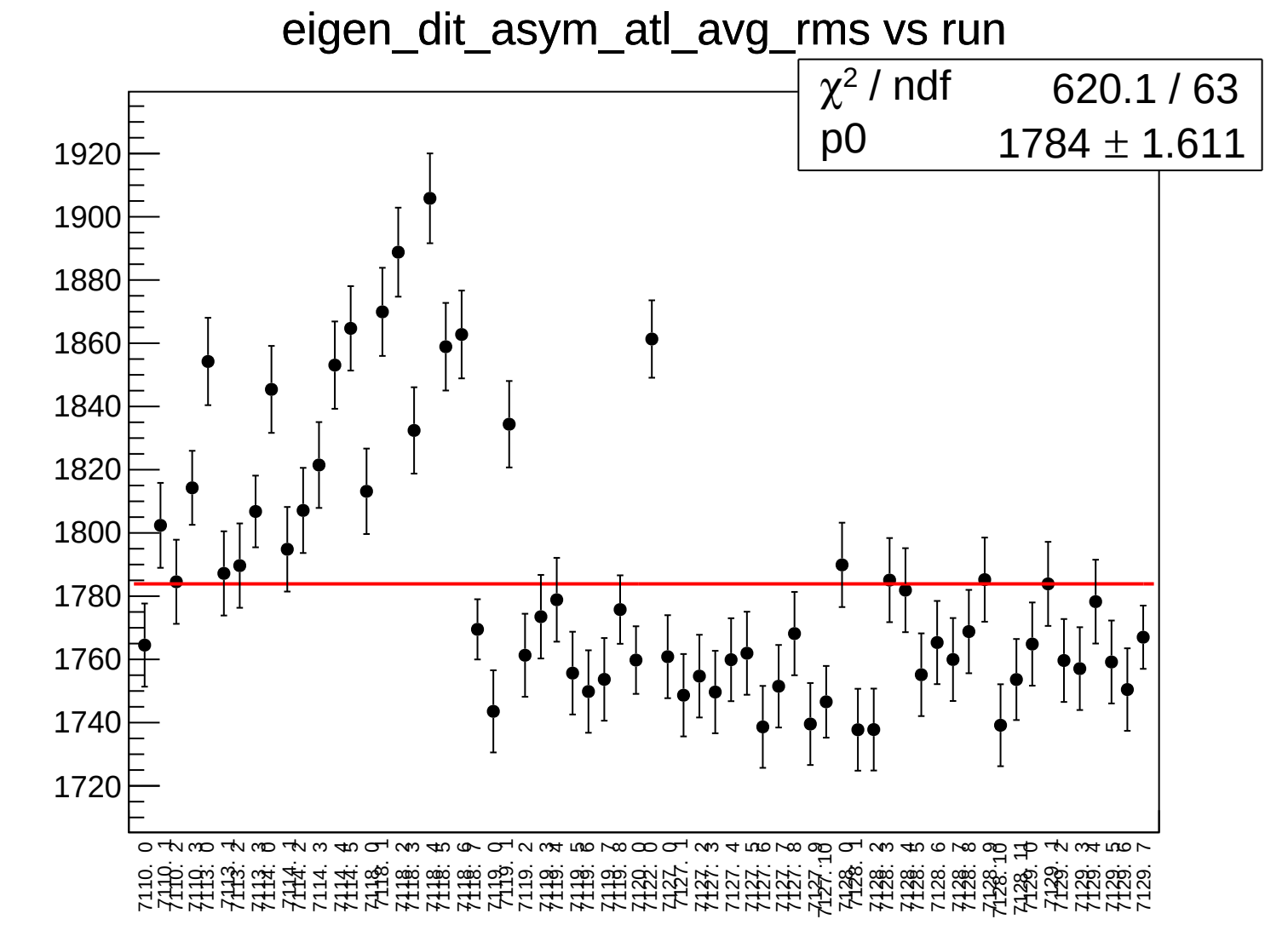

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.16 / 63
p0 −3296 ± 7521
pull
Entries 64
Mean 113.8
Std Dev 0

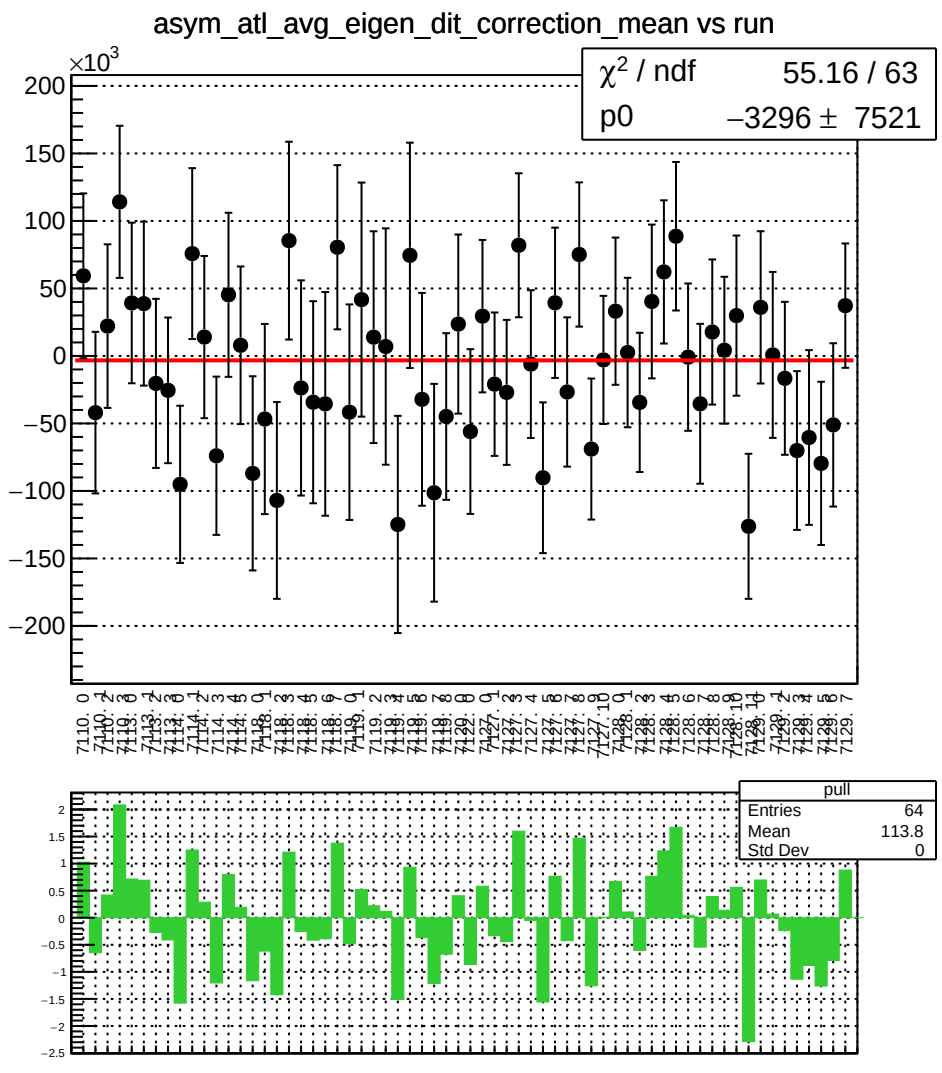

pull1D
Entries 64
Mean −0.02165
Std Dev 0.9282

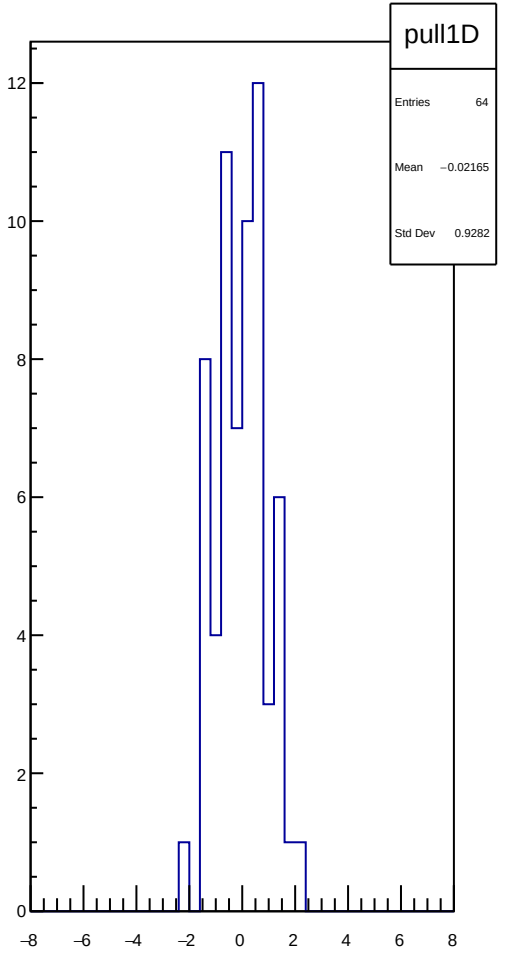

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 2.627e+04 / 63
p0 5826 ± 5.318
8500
8000
7500
7000
6500
6000
5500
5000

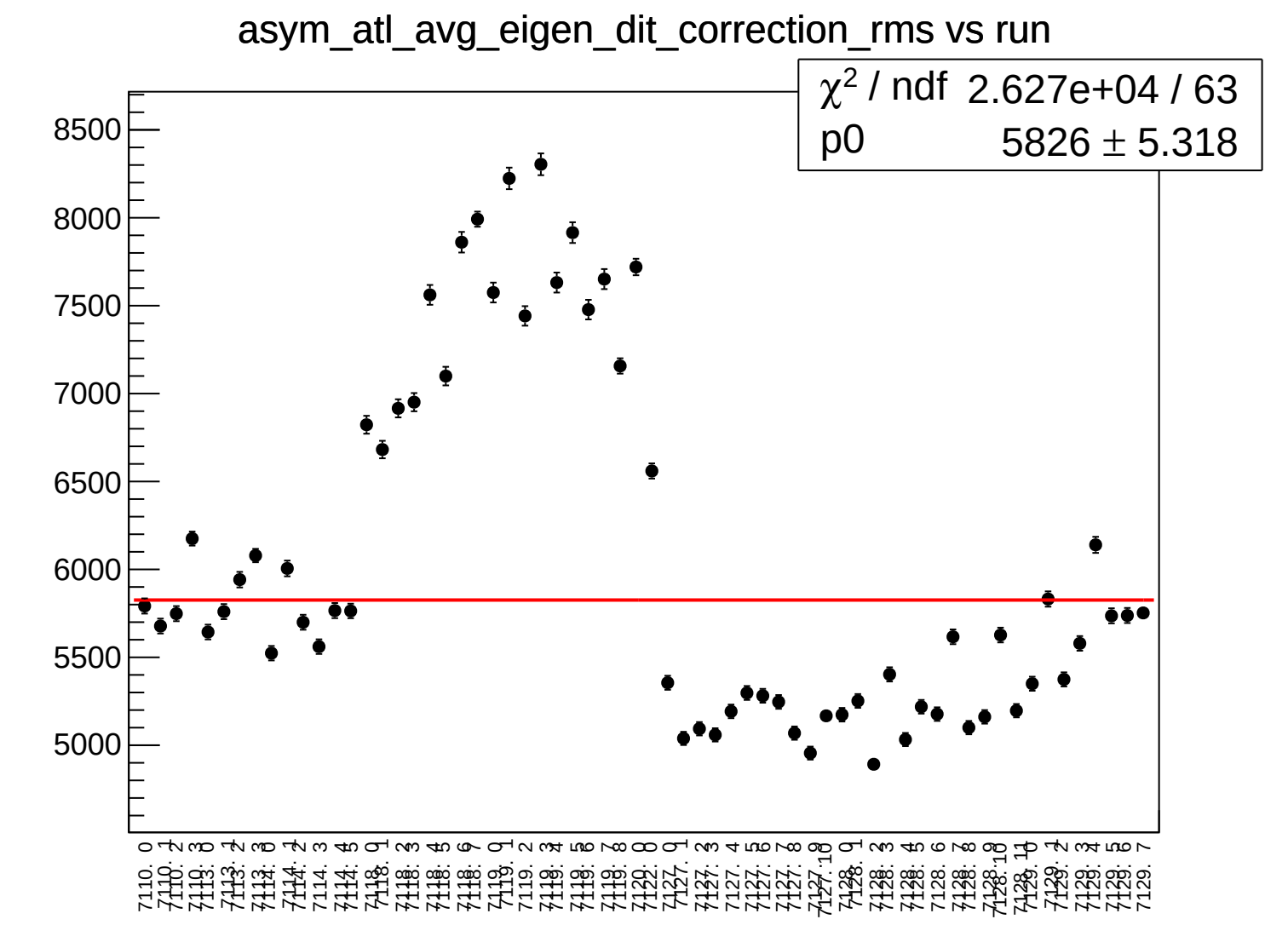

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 57.49 / 63
p0 4468 ± 2279
pull
Entries 64
Mean −200.4
Std Dev 0

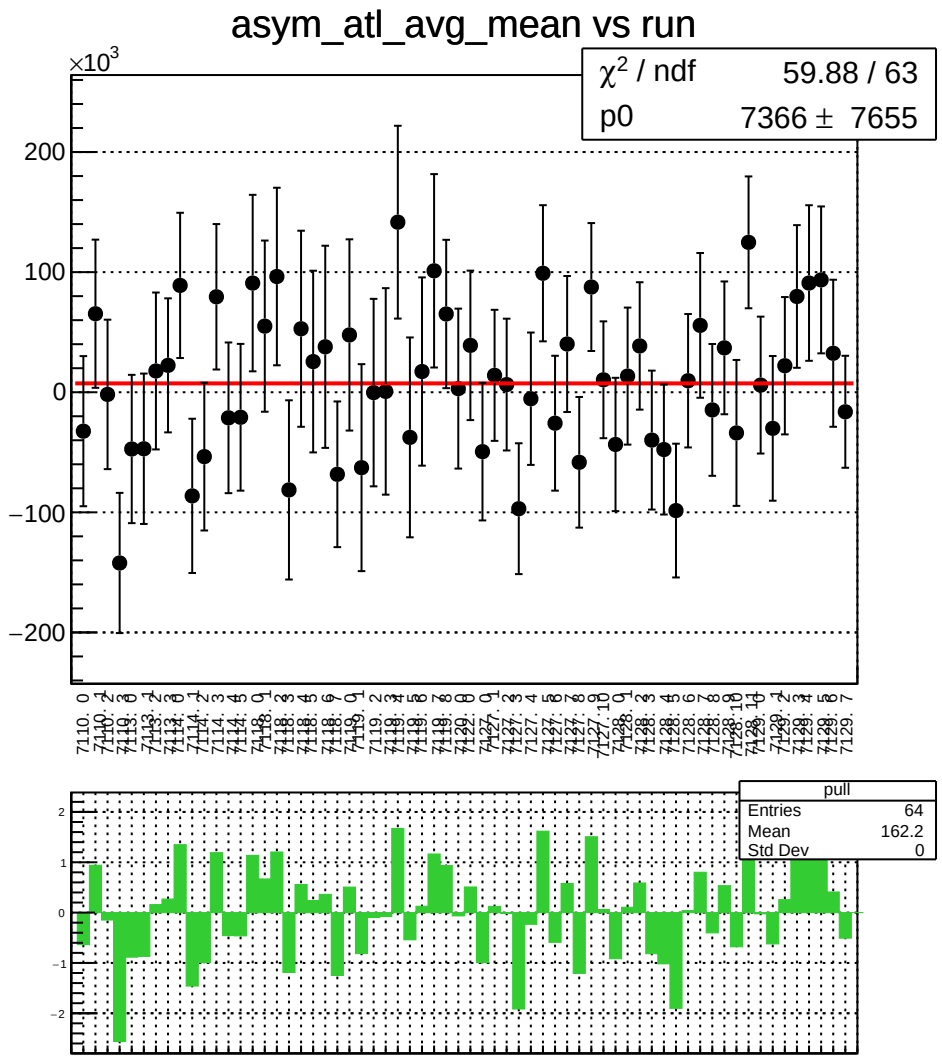

pull1D
Entries 64
Mean −0.01318
Std Dev 0.9477

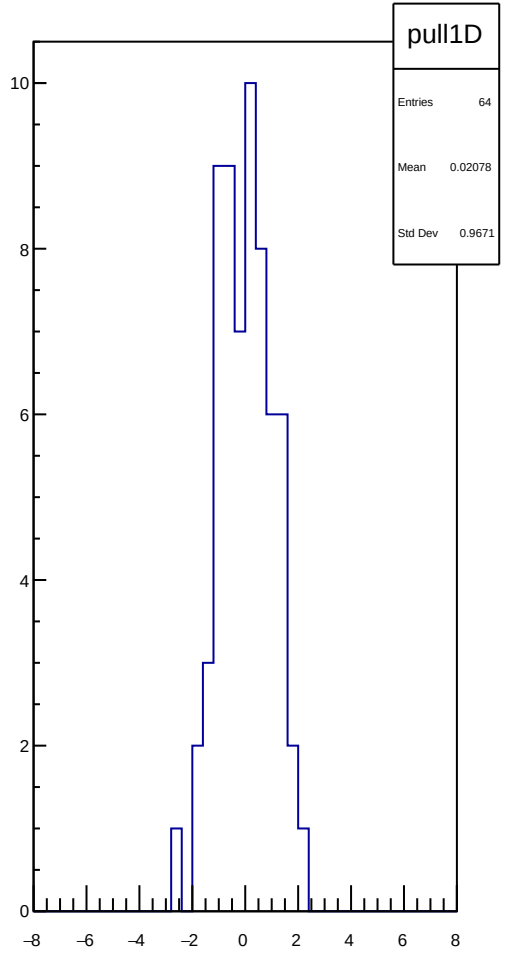

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 620.1 / 63
p0 1784 ± 1.611
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

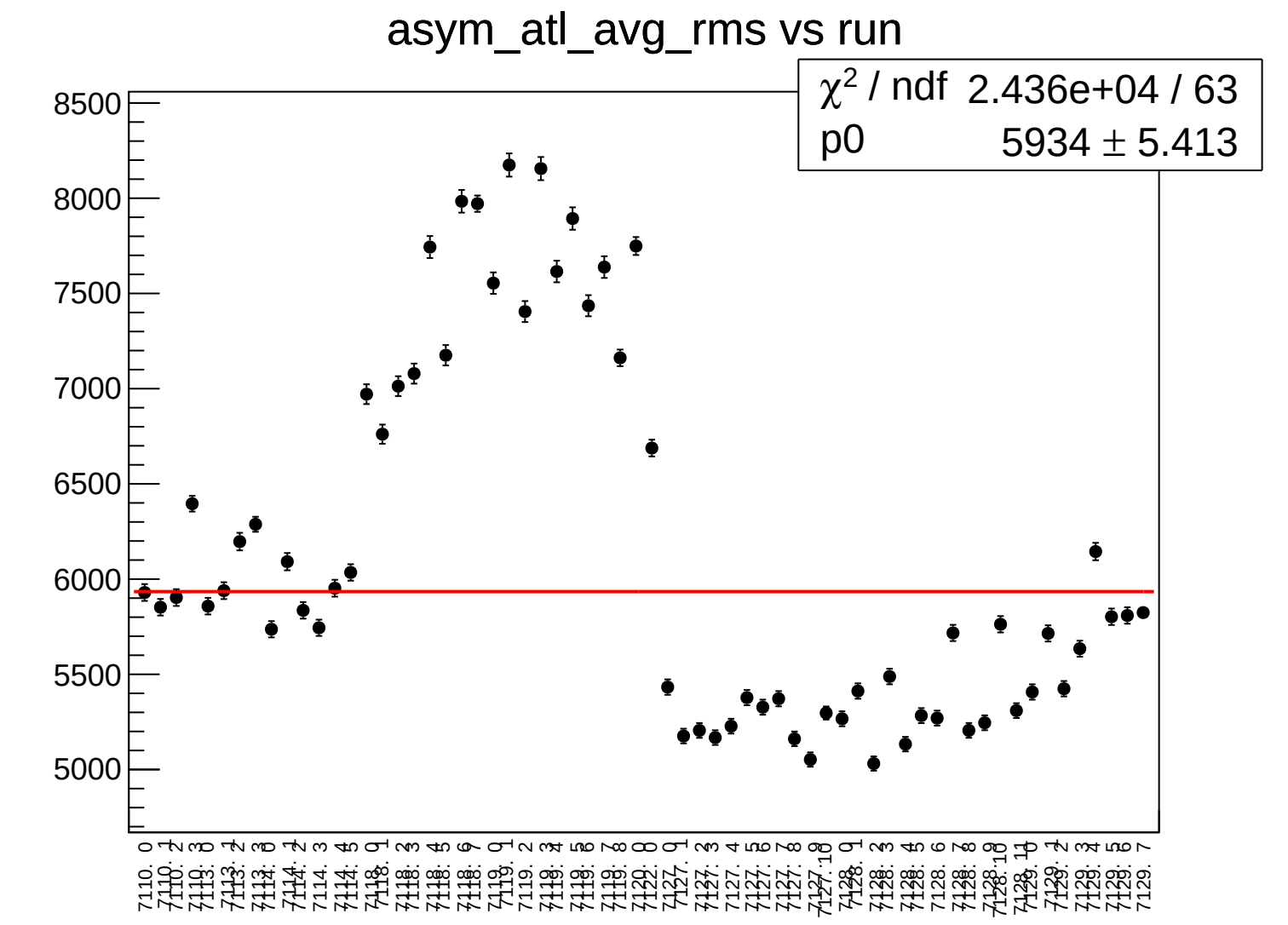

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.16 / 63
p0 −3296 ± 7521
pull
Entries 64
Mean 113.8
Std Dev 0

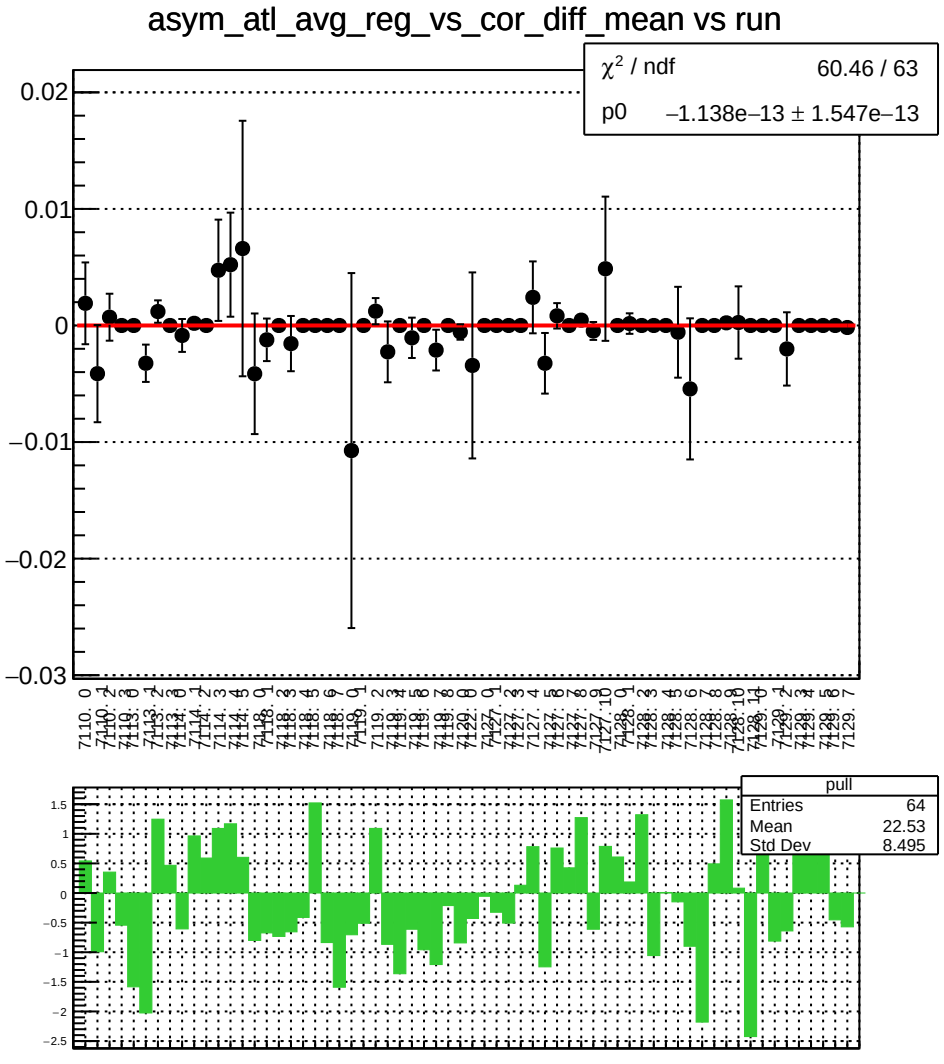

pull1D
Entries 64
Mean −0.02165
Std Dev 0.9282

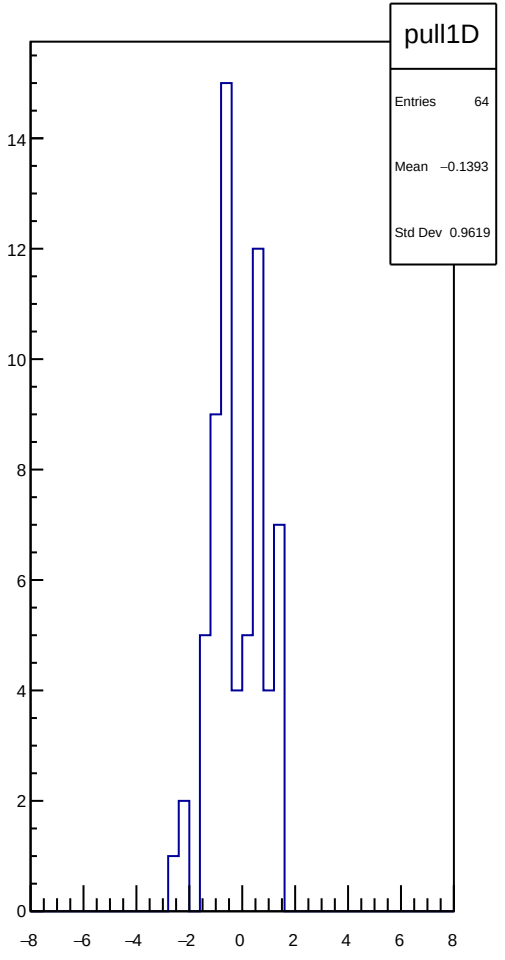

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.627e+04 / 63
p0 5826 ± 5.318
8500
8000
7500
7000
6500
6000
5500
5000

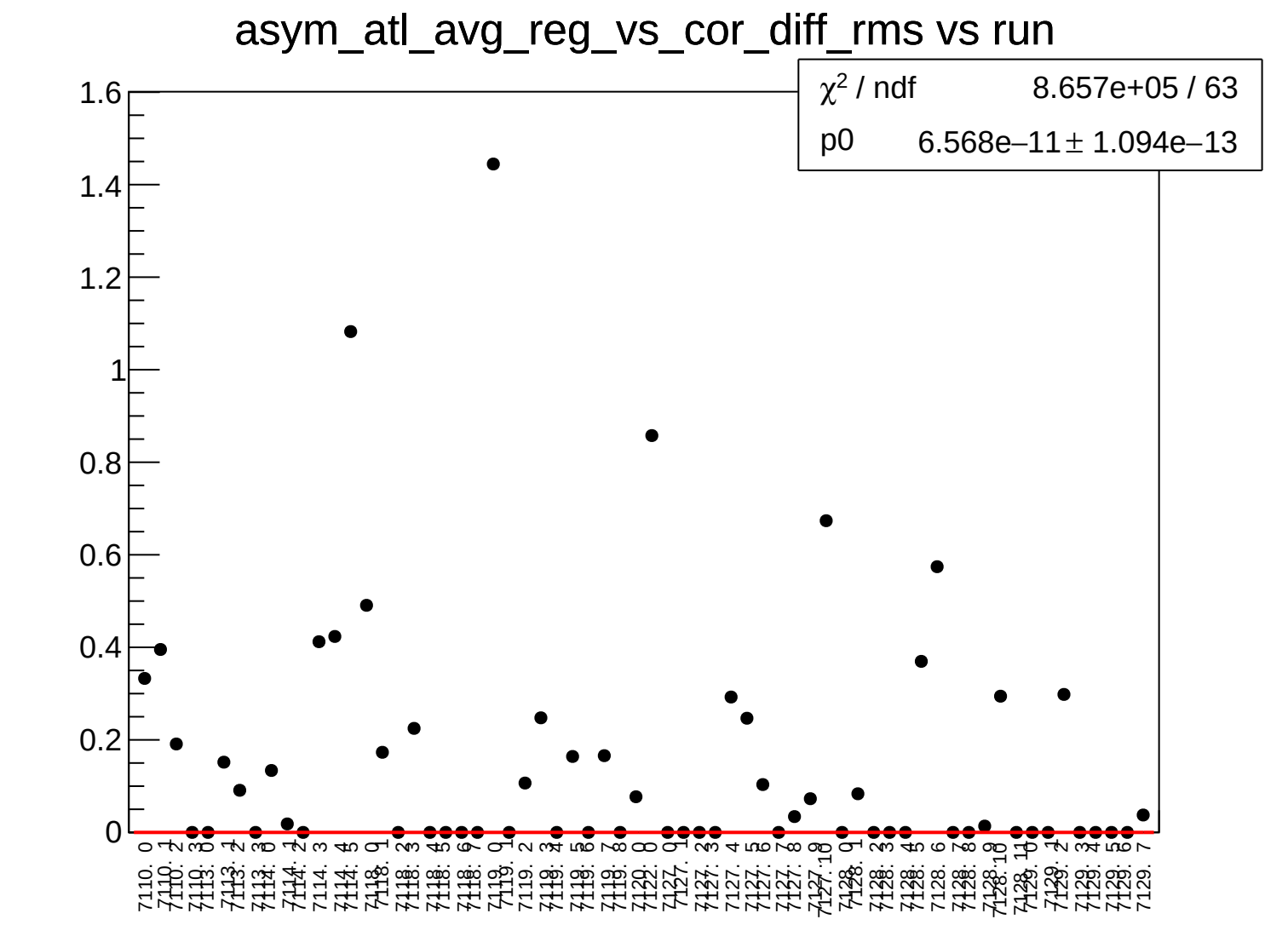

asym_atl_avg_mean vs run
×10^3
χ² / ndf 59.88 / 63
p0 7366 ± 7655
200
100
0
−100
−200
pull
Entries 64
Mean 162.2
Std Dev 0
2
1
0
−1
−2

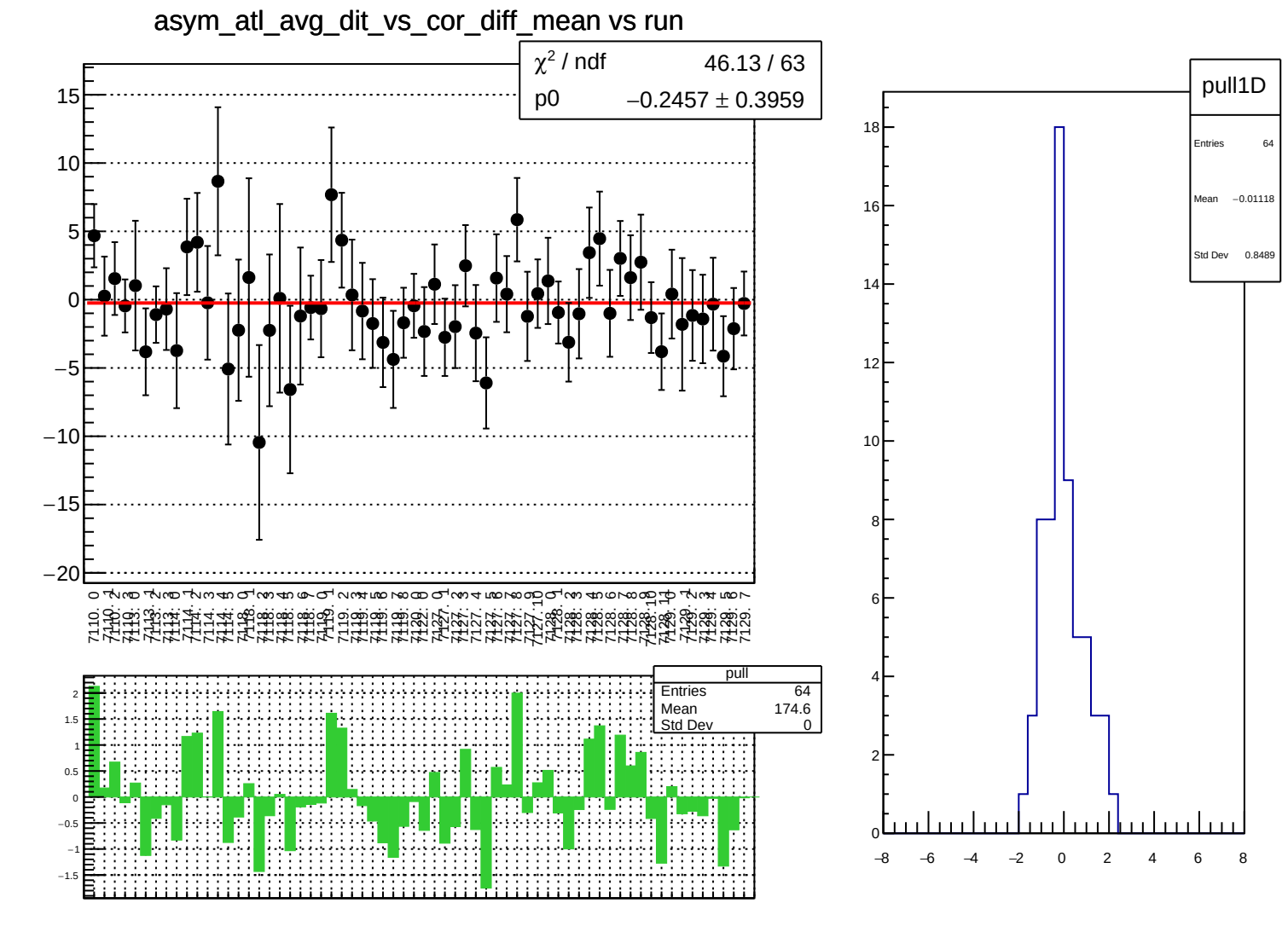

pull1D
Entries 64
Mean 0.02078
Std Dev 0.9671
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

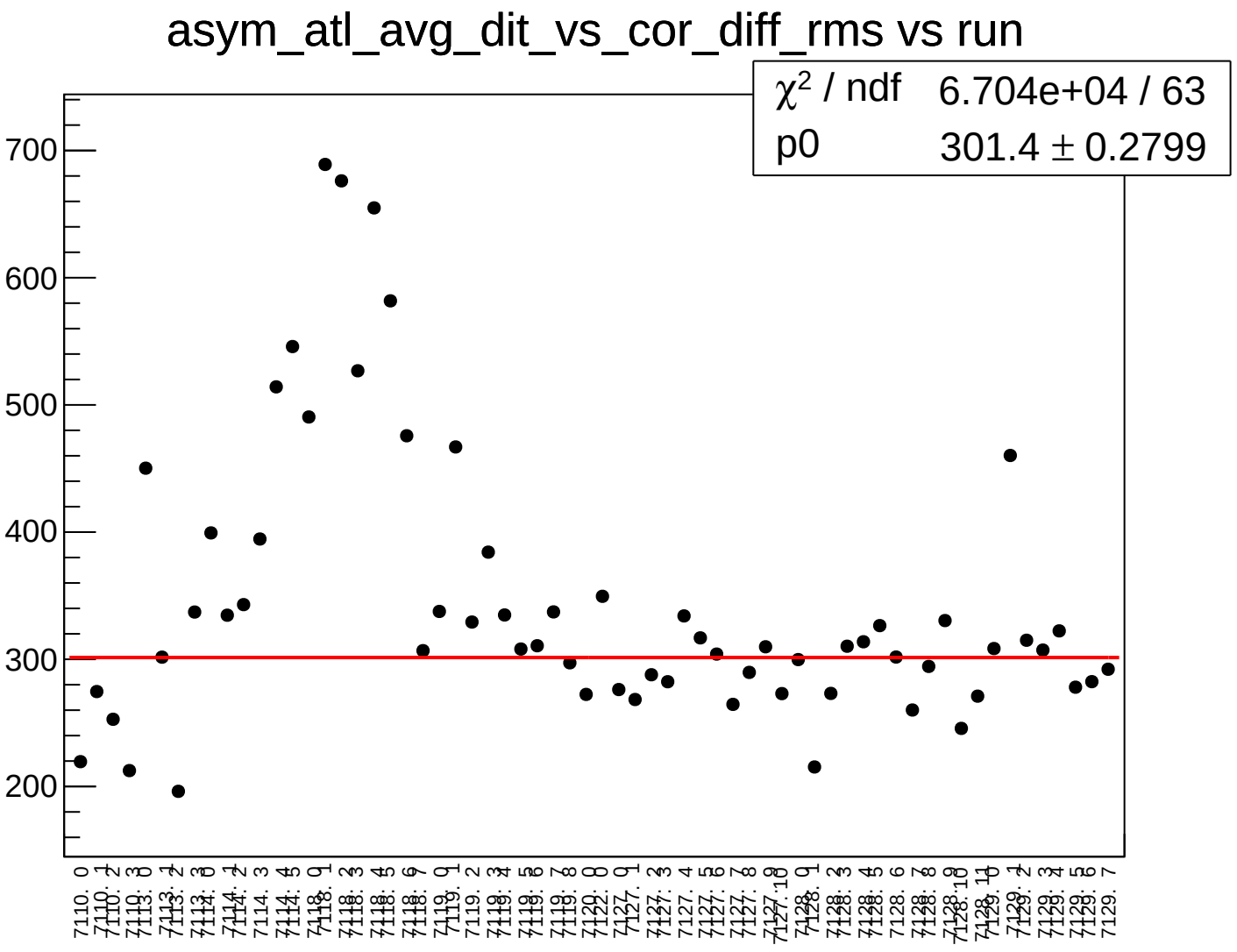

asym_atl_avg_rms vs run
χ² / ndf 2.436e+04 / 63
p0 5934 ± 5.413
8500
8000
7500
7000
6500
6000
5500
5000

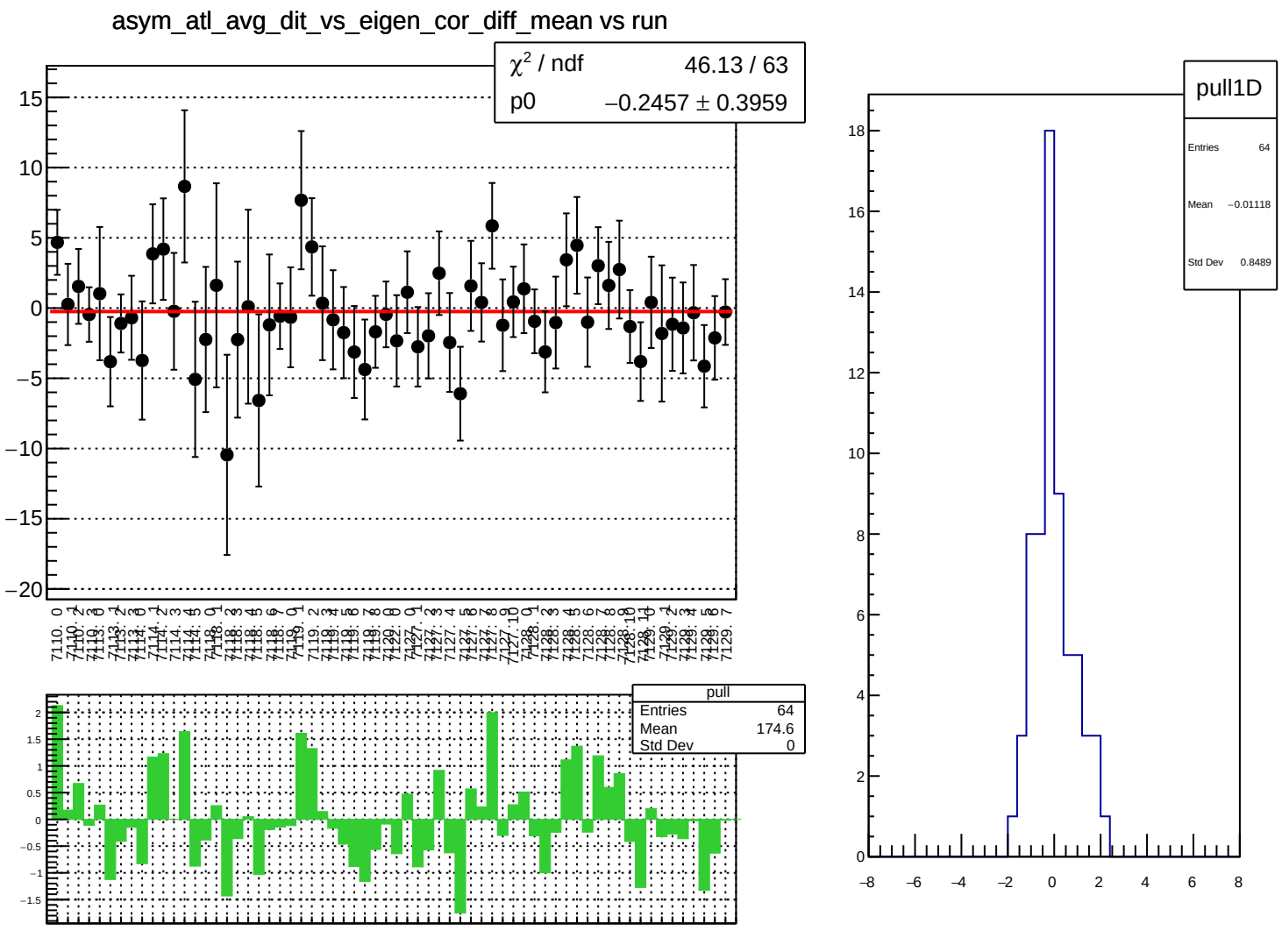

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.46 / 63
p0 −1.138e−13 ± 1.547e−13
pull
Entries 64
Mean 22.53
Std Dev 8.495

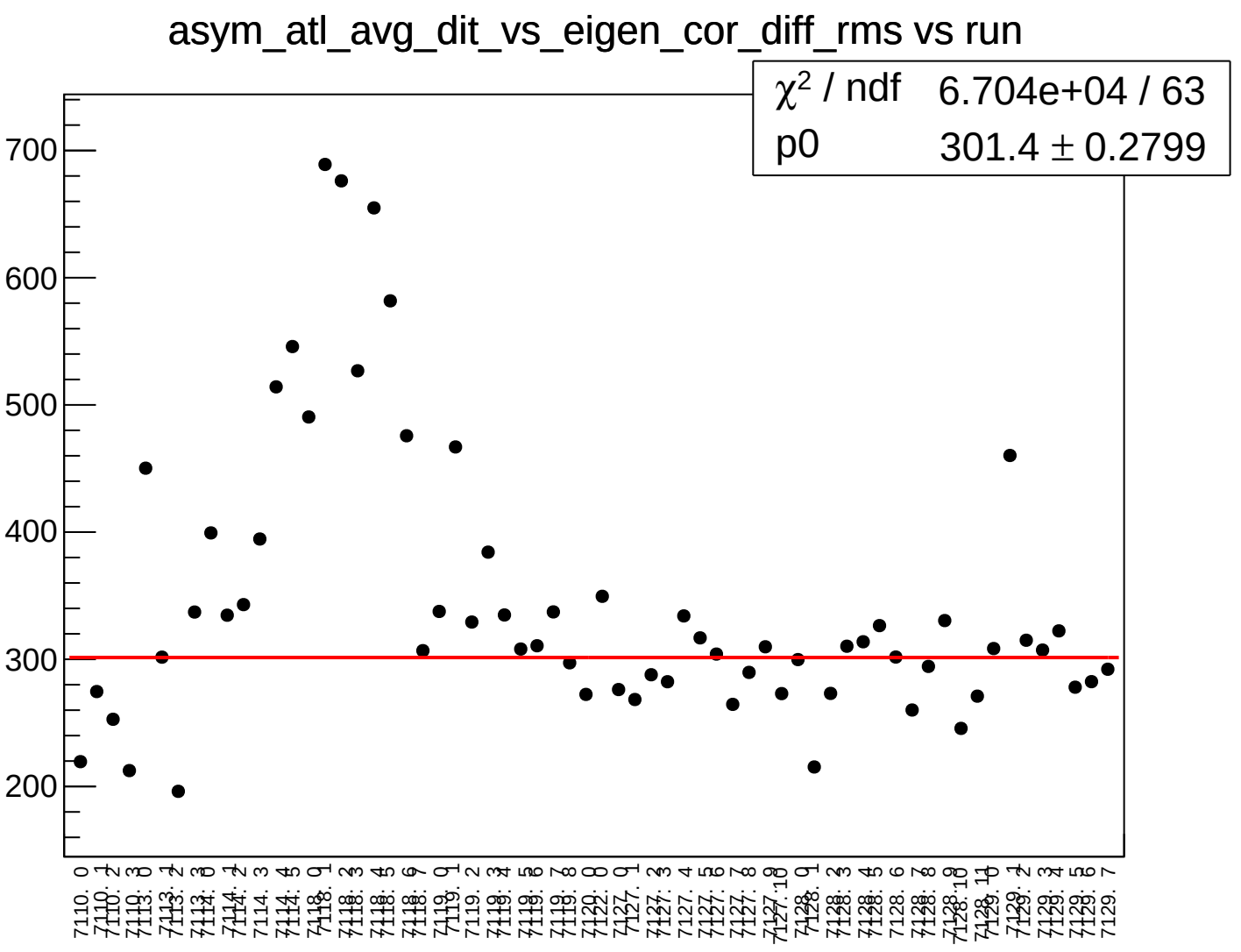

pull1D
Entries 64
Mean −0.1393
Std Dev 0.9619

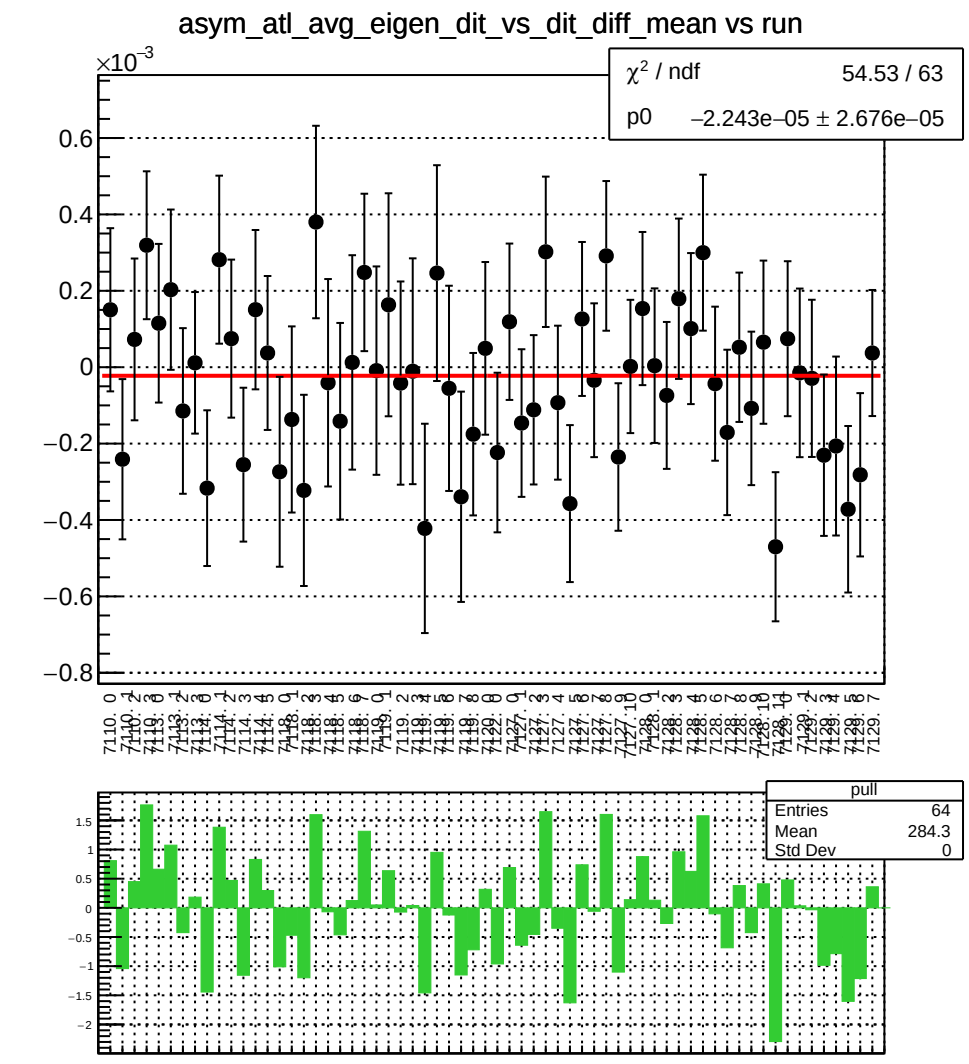

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.657e+05 / 63
p0 6.568e−11 ± 1.094e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

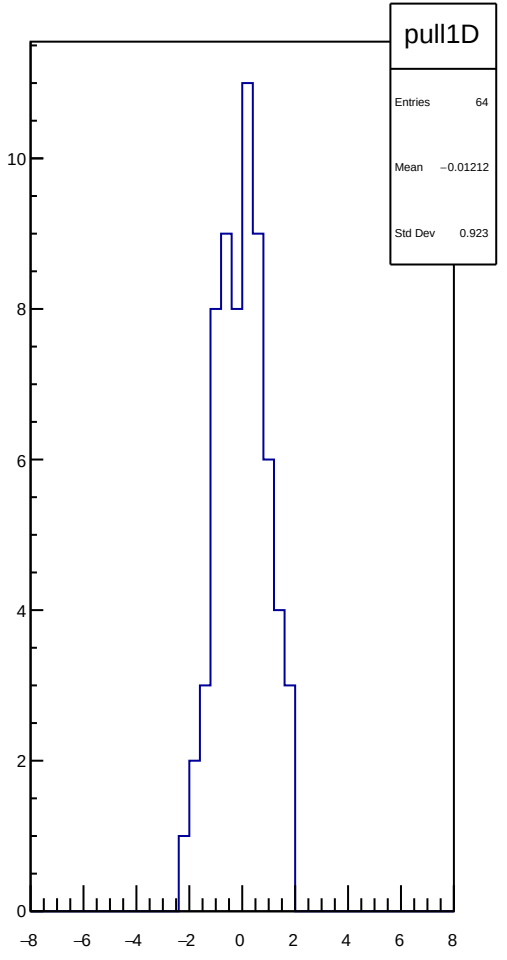

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.13 / 63
p0 −0.2457 ± 0.3959
pull
Entries 64
Mean 174.6
Std Dev 0
pull1D
Entries 64
Mean −0.01118
Std Dev 0.8489

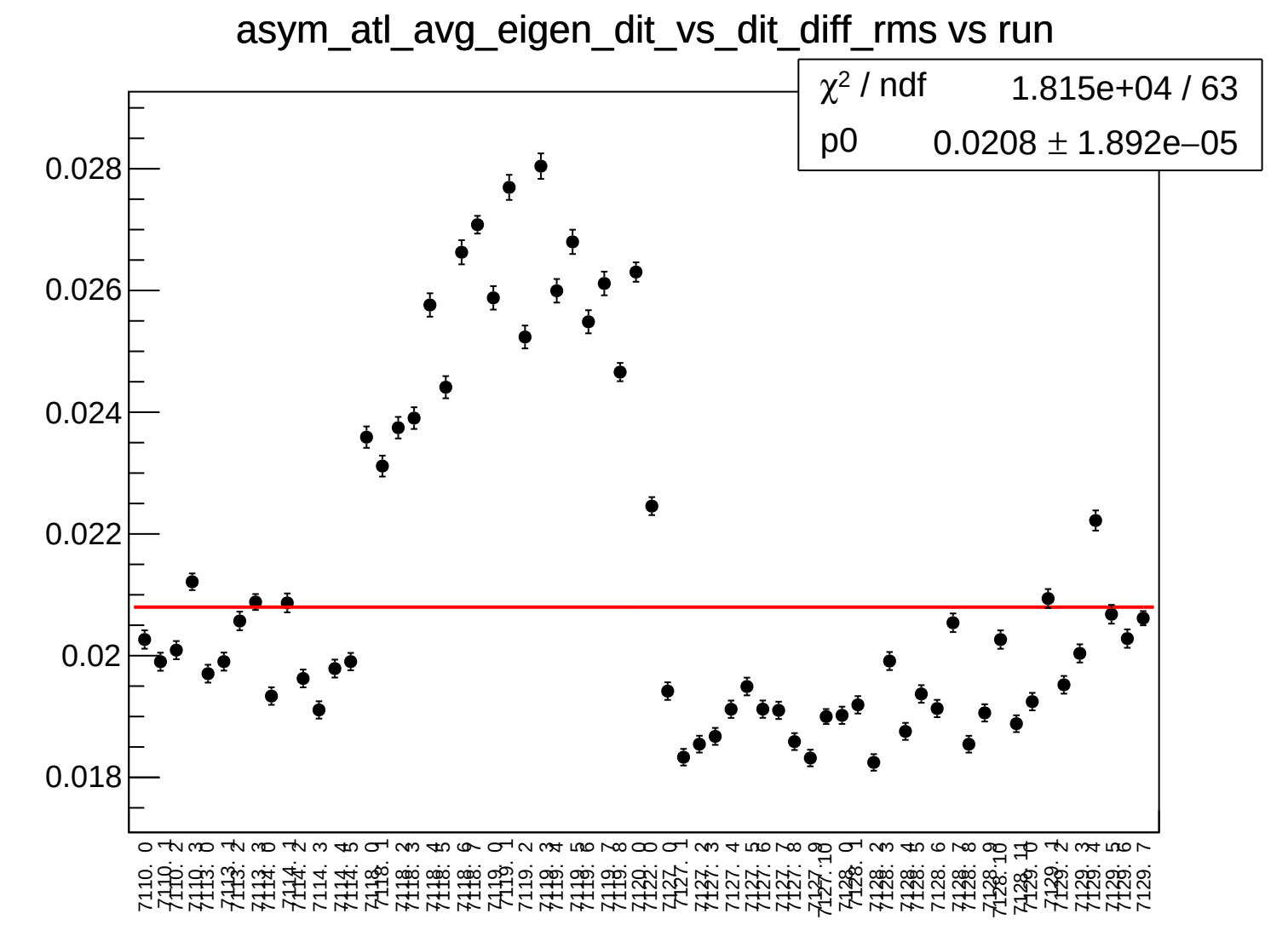

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.704e+04 / 63
p0 301.4 ± 0.2799
700
600
500
400
300
200

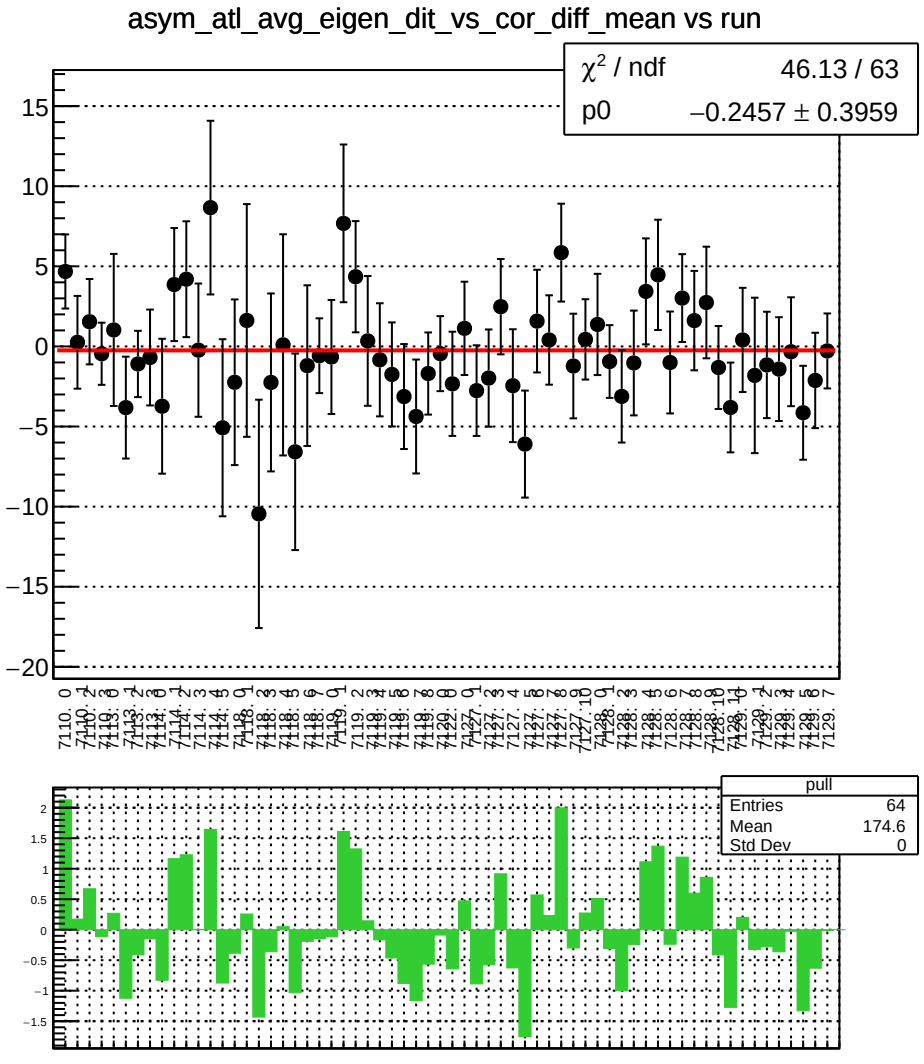

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.13 / 63
p0 −0.2457 ± 0.3959
pull
Entries 64
Mean 174.6
Std Dev 0
pull1D
Entries 64
Mean −0.01118
Std Dev 0.8489

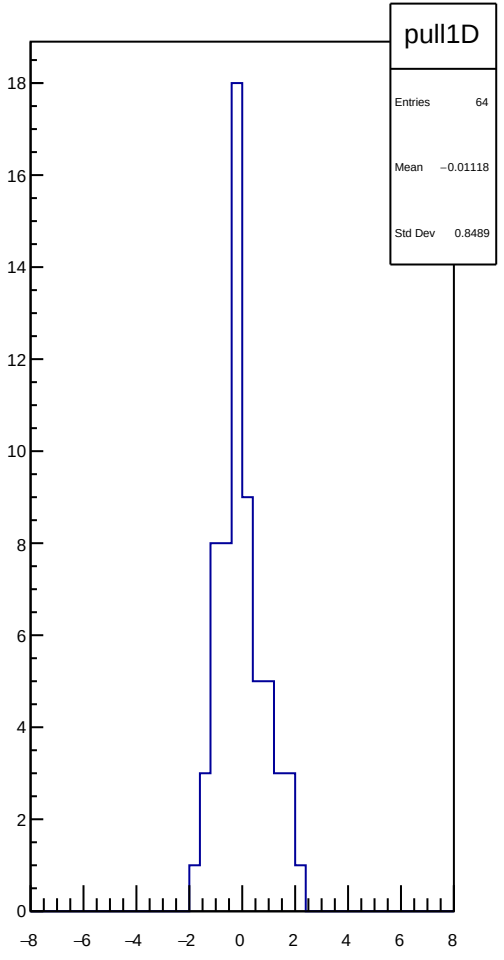

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.704e+04 / 63
p0 301.4 ± 0.2799
700
600
500
400
300
200

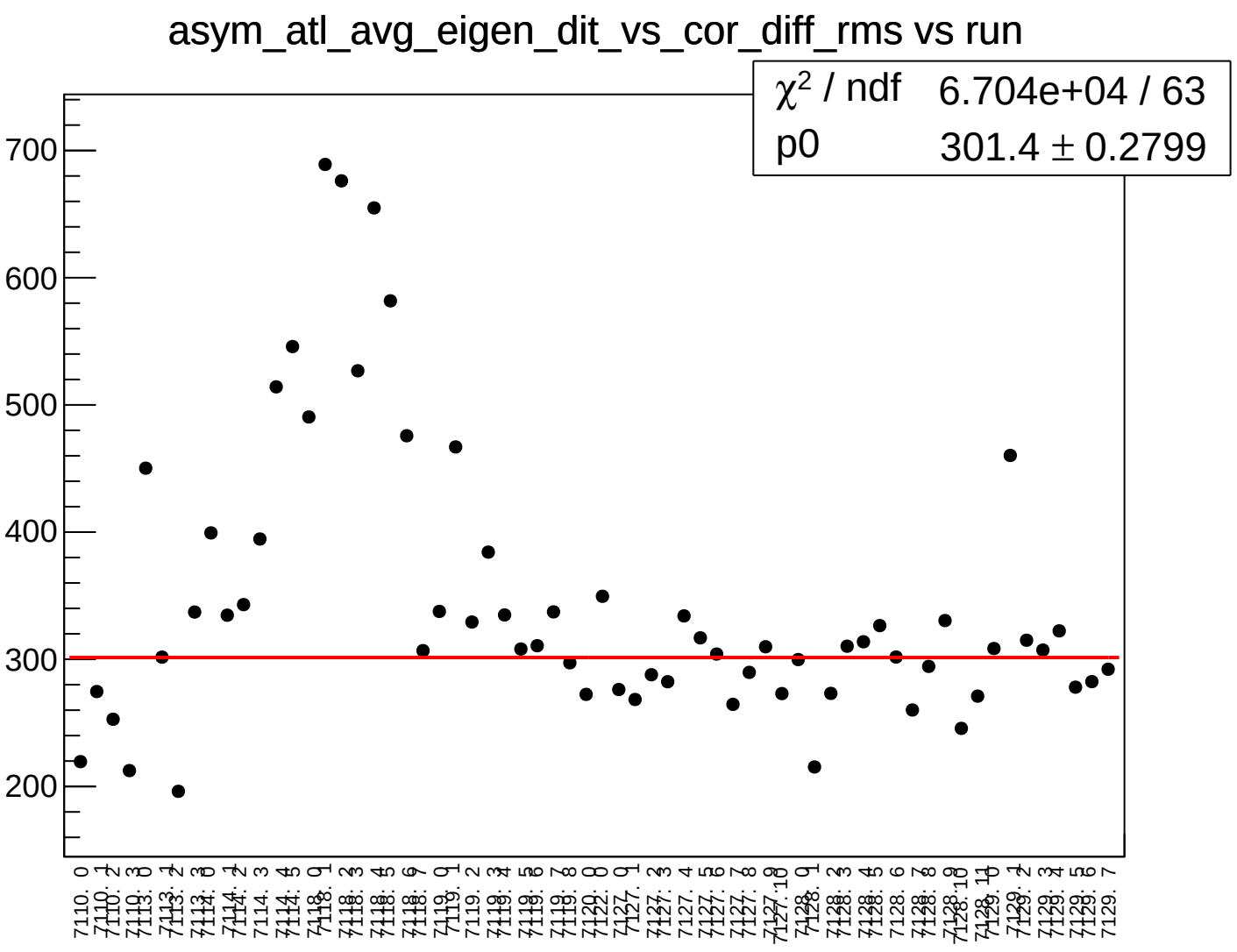

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.53 / 63
p0 −2.243e−05 ± 2.676e−05
pull
Entries 64
Mean 284.3
Std Dev 0

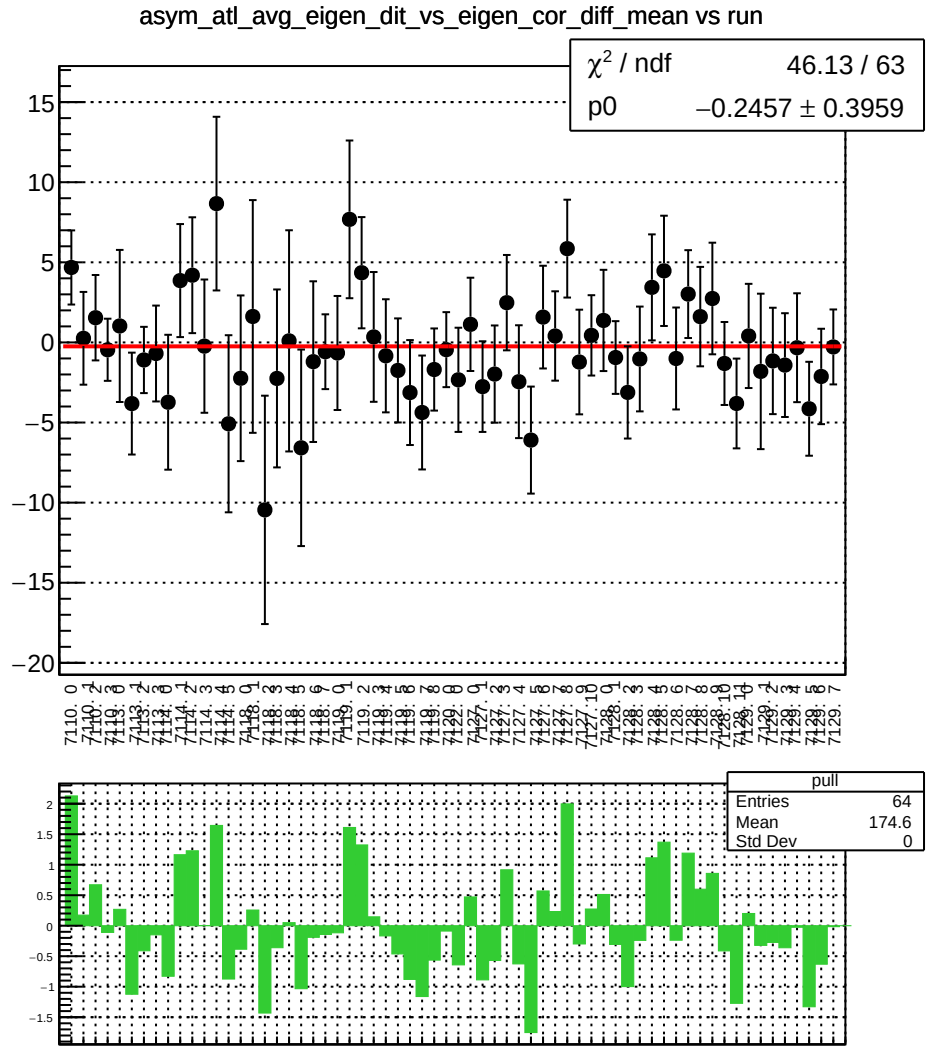

pull1D
Entries 64
Mean −0.01212
Std Dev 0.923

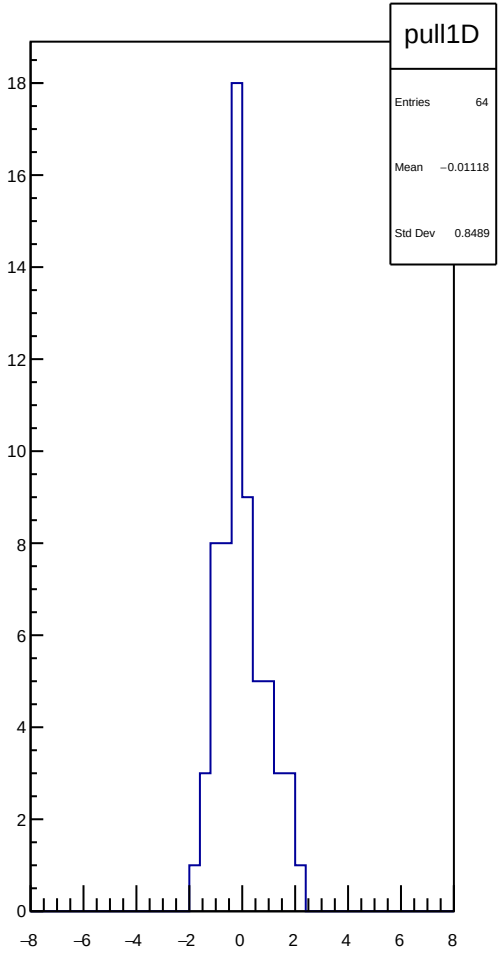

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.815e+04 / 63
p0 0.0208 ± 1.892e−05
0.028
0.026
0.024
0.022
0.02
0.018

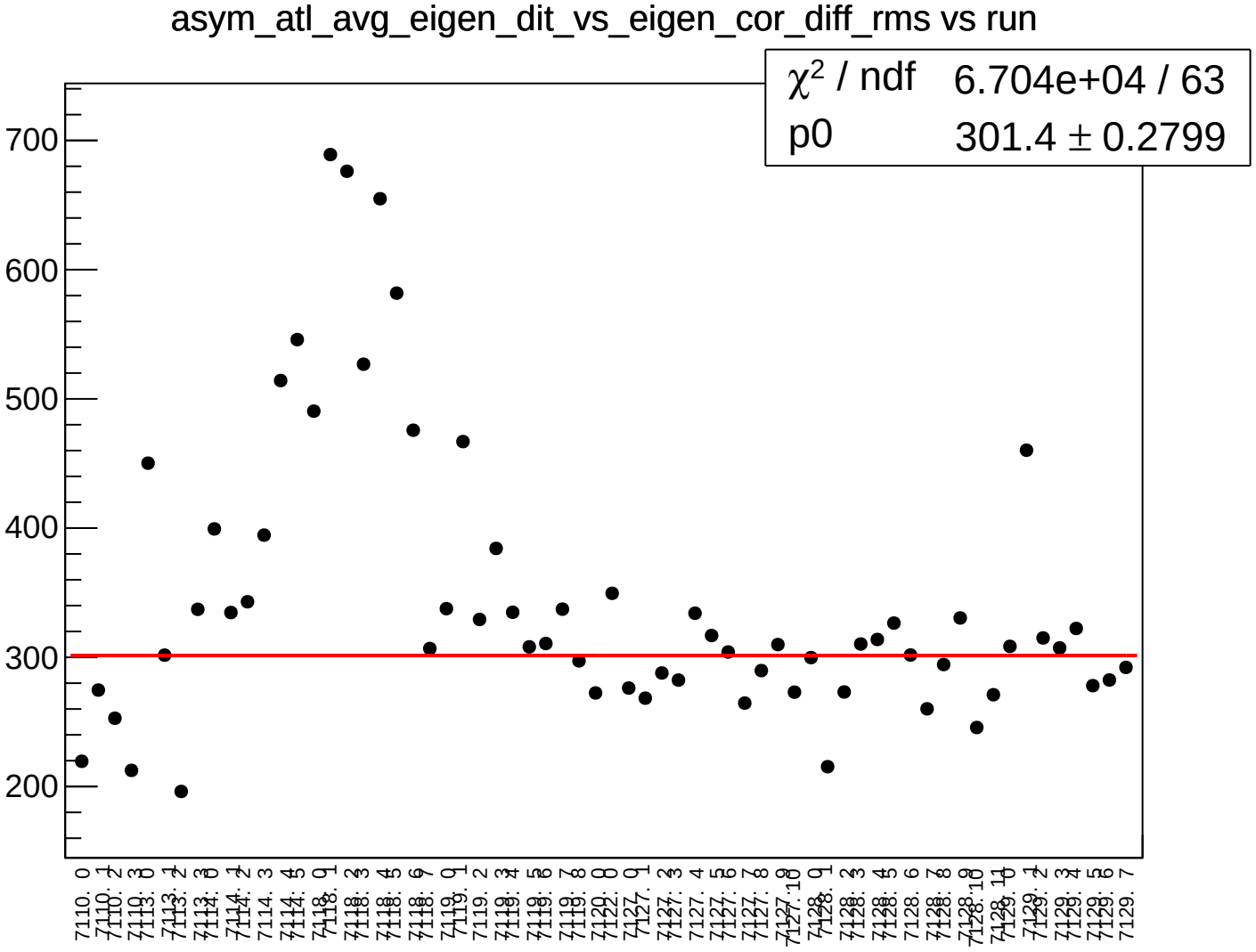

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.13 / 63
p0 −0.2457 ± 0.3959
pull
Entries 64
Mean 174.6
Std Dev 0

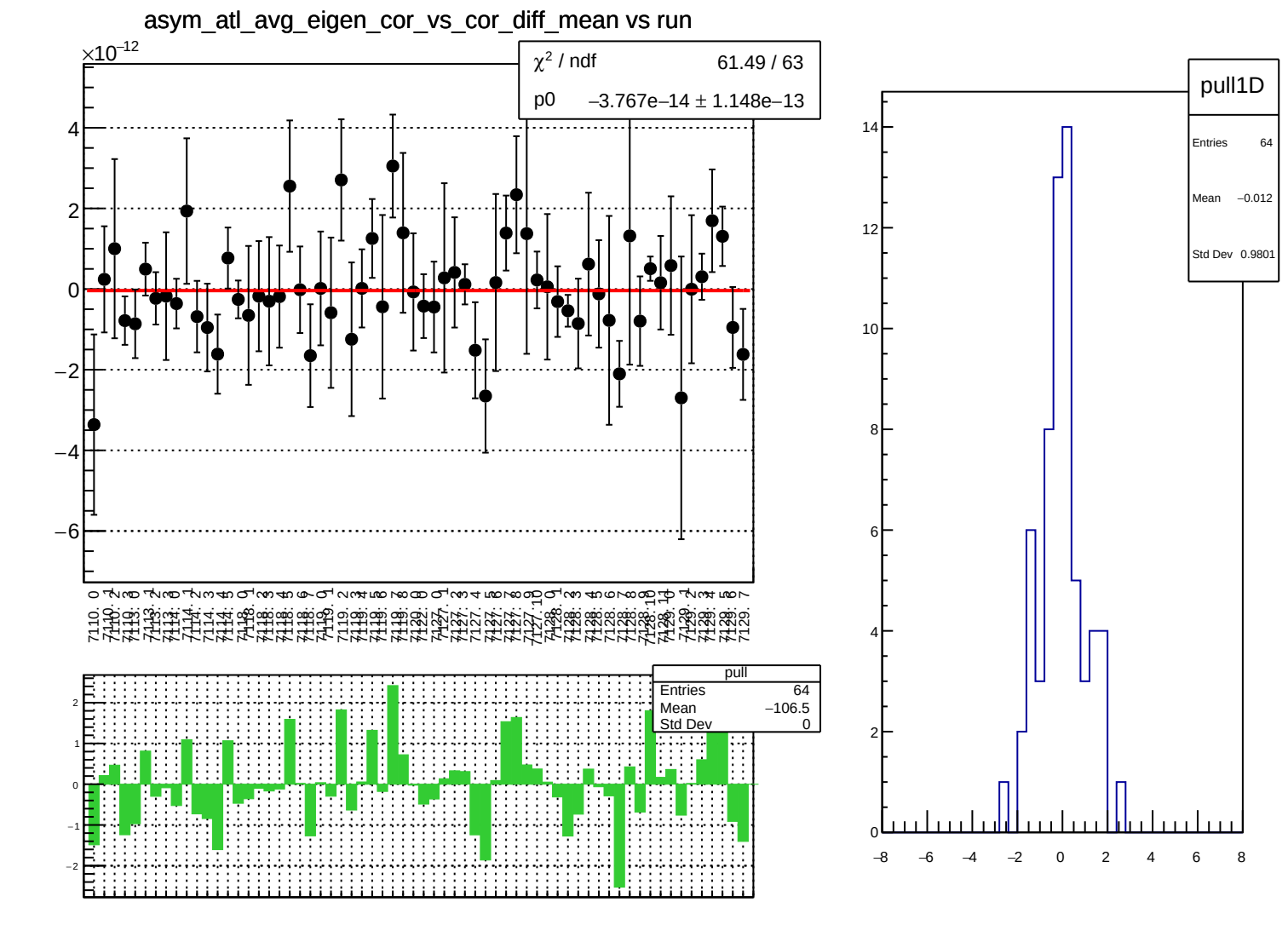

pull1D
Entries 64
Mean −0.01118
Std Dev 0.8489

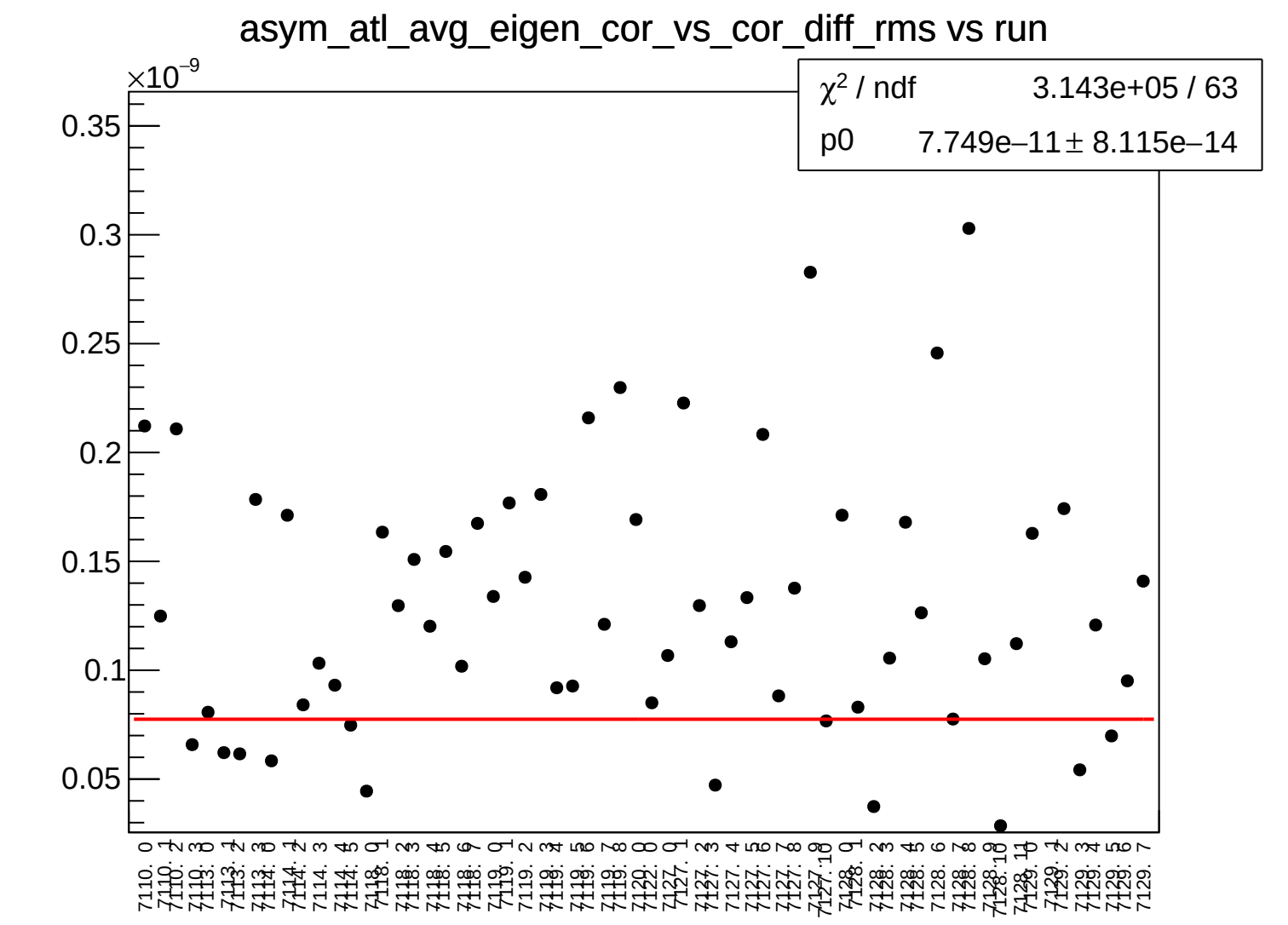

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.704e+04 / 63
p0 301.4 ± 0.2799
700
600
500
400
300
200

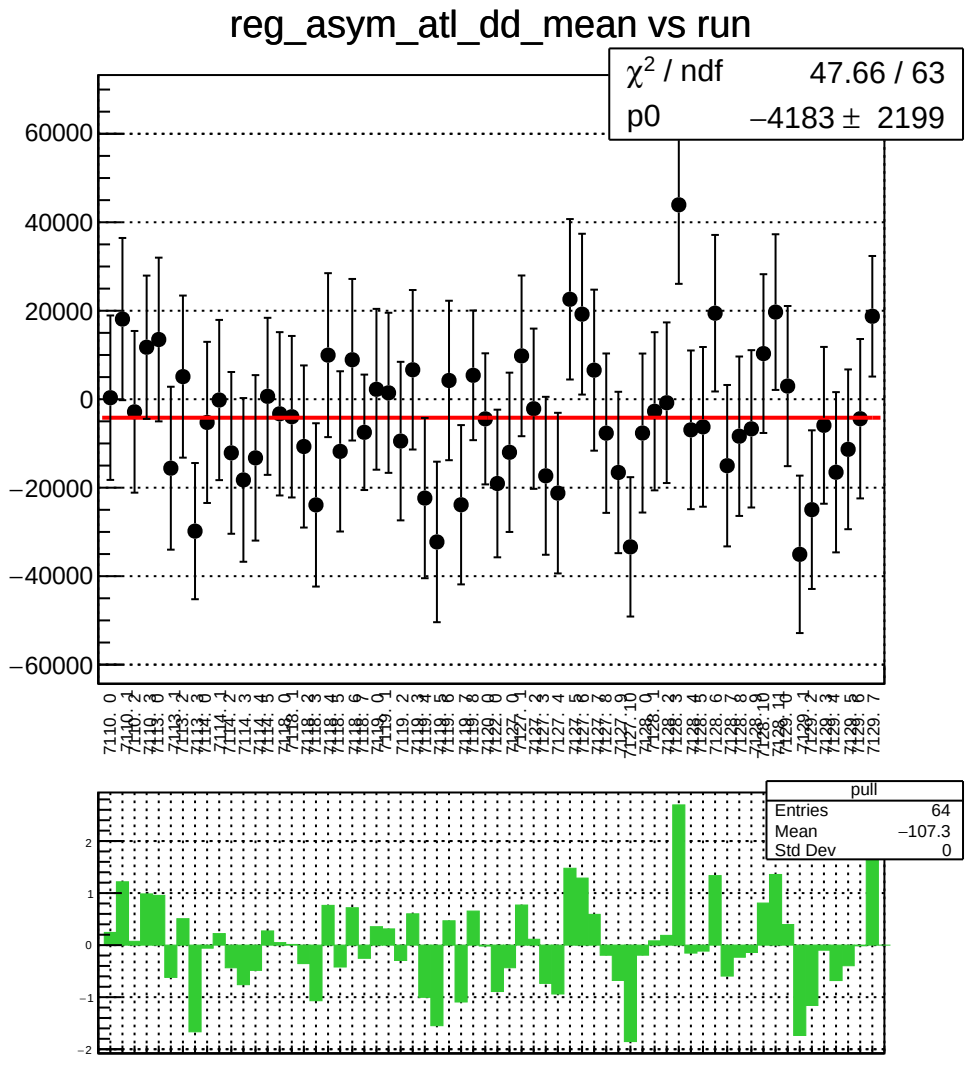

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.13 / 63
p0 −0.2457 ± 0.3959
pull
Entries 64
Mean 174.6
Std Dev 0

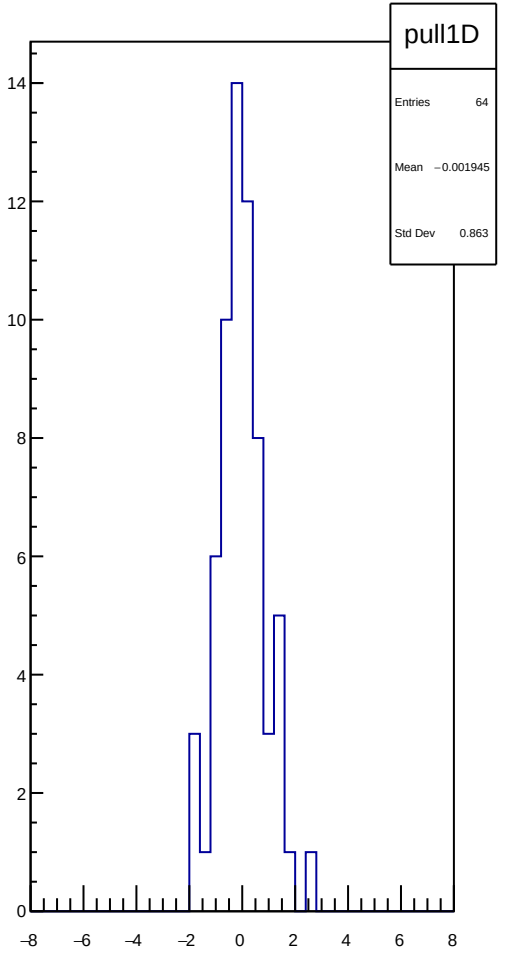

pull1D
Entries 64
Mean −0.01118
Std Dev 0.8489

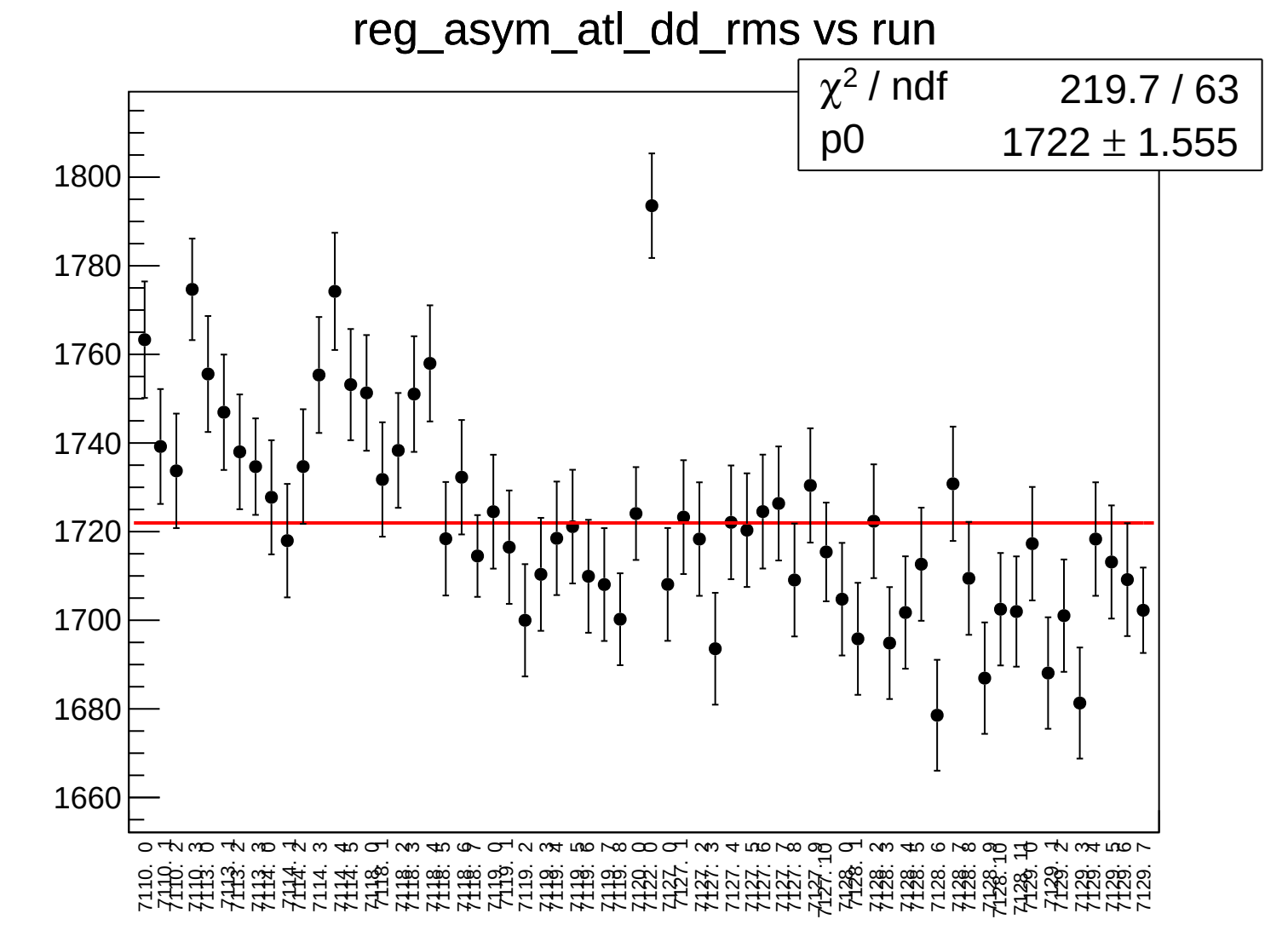

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.704e+04 / 63
p0 301.4 ± 0.2799
700
600
500
400
300
200

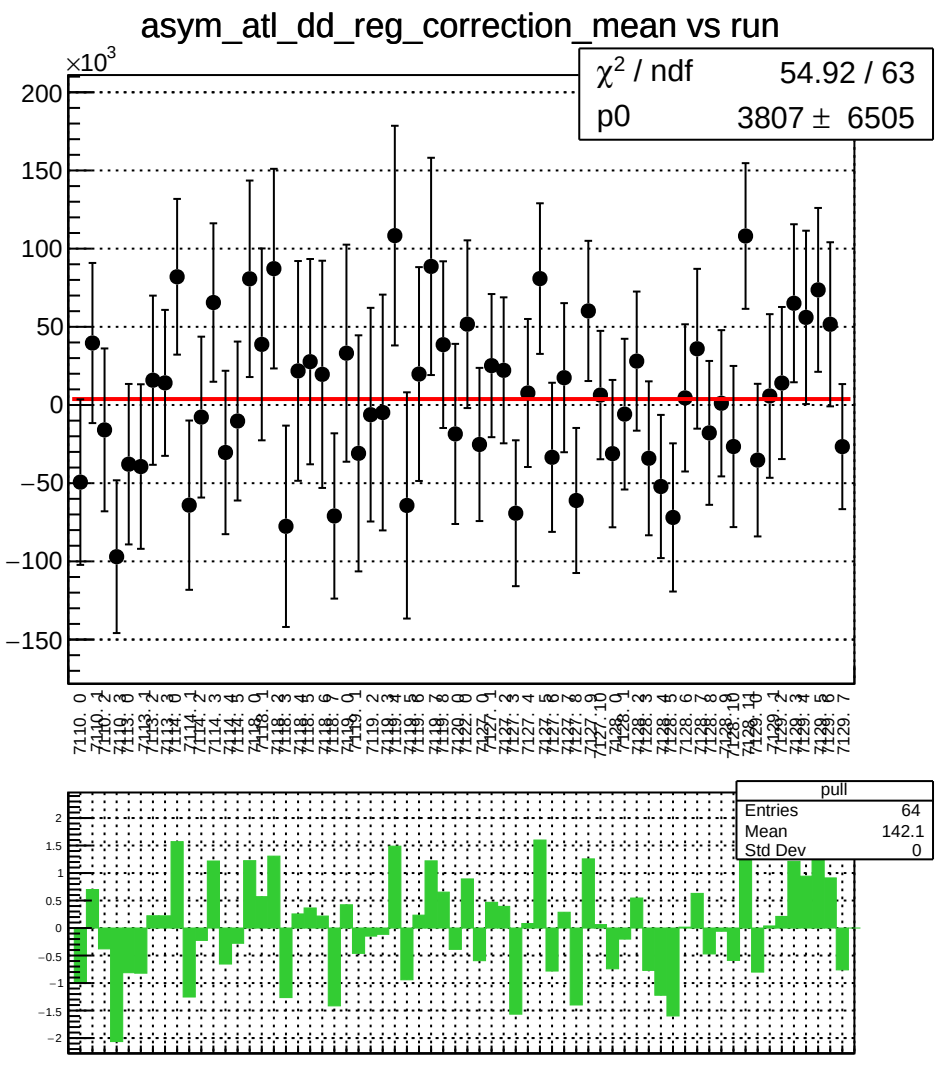

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.49 / 63
p0 −3.767e−14 ± 1.148e−13
pull
Entries 64
Mean −106.5
Std Dev 0
pull1D
Entries 64
Mean −0.012
Std Dev 0.9801

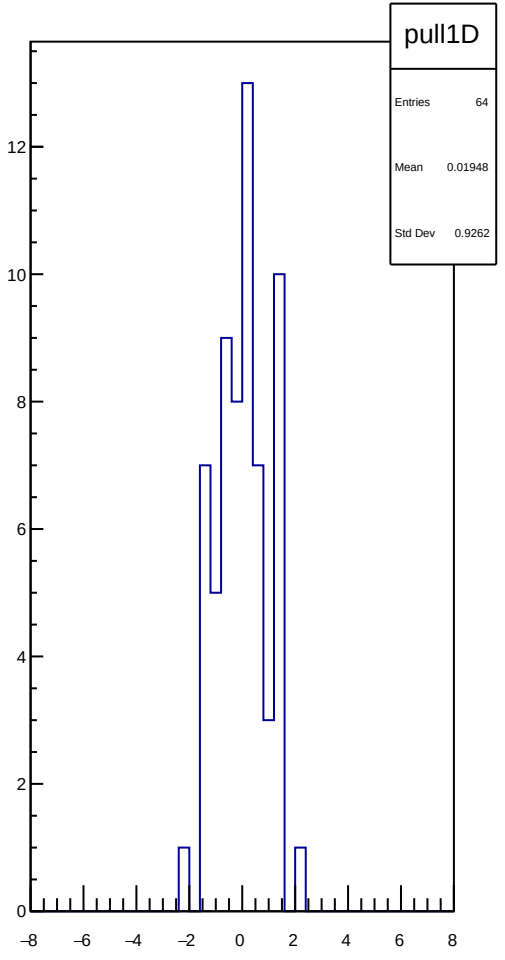

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.143e+05 / 63
p0 7.749e−11 ± 8.115e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

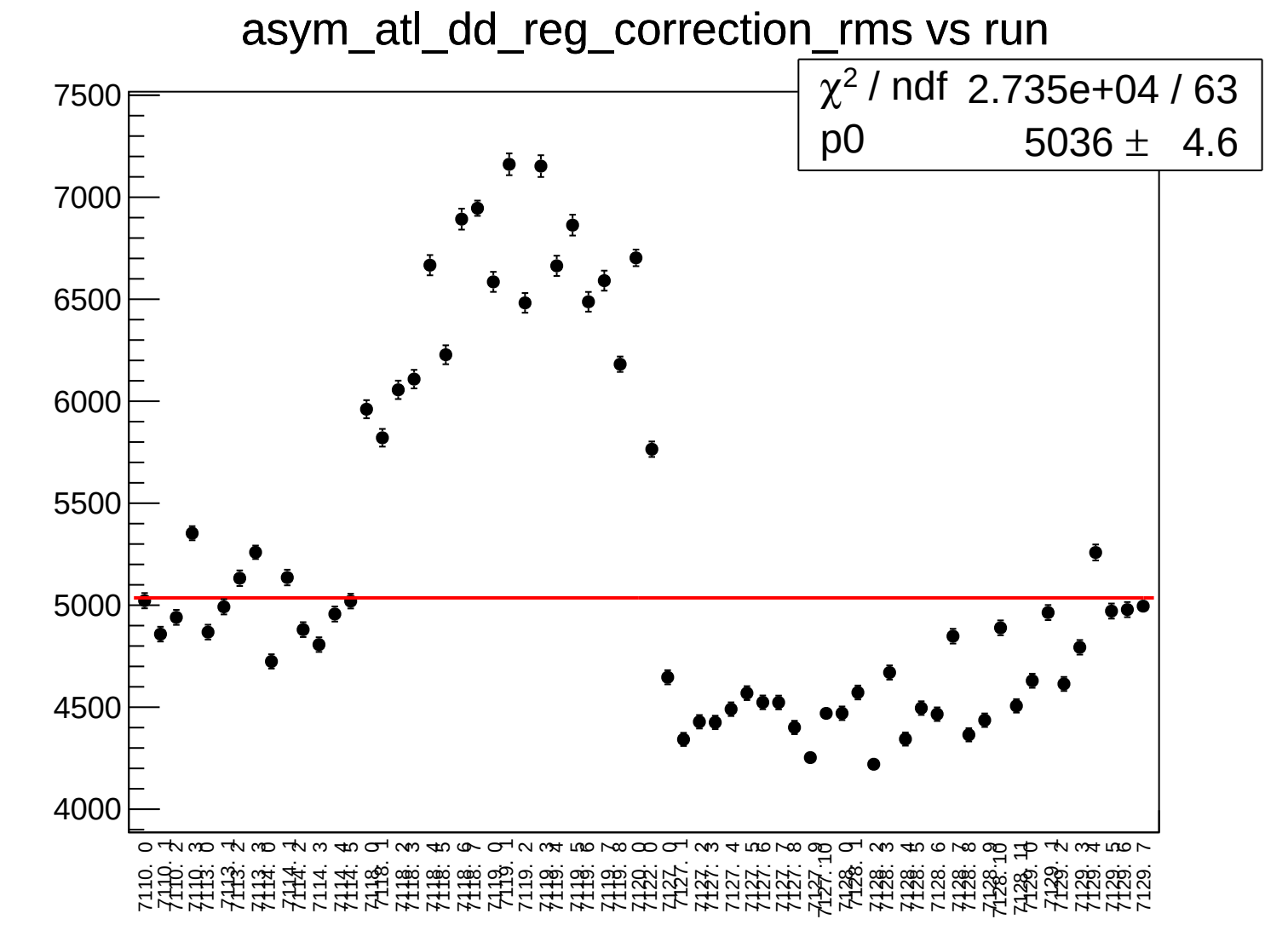

reg_asym_atl_dd_mean vs run
χ² / ndf 47.66 / 63
p0 −4183 ± 2199
pull
Entries 64
Mean −107.3
Std Dev 0

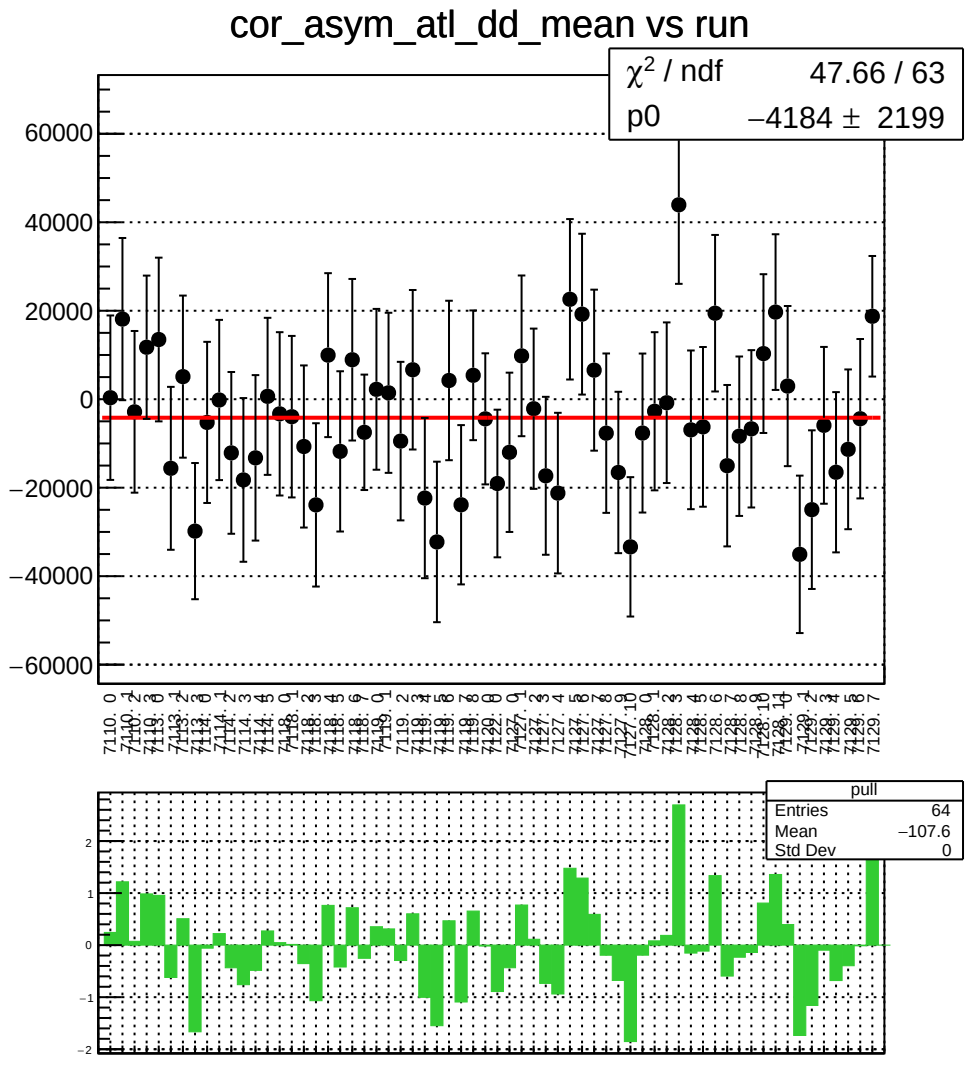

pull1D
Entries 64
Mean −0.001945
Std Dev 0.863

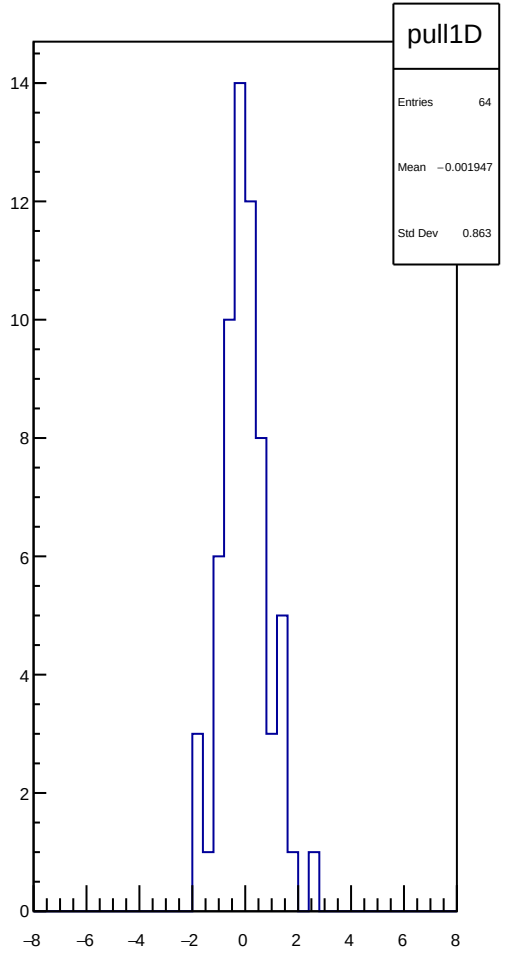

reg_asym_atl_dd_rms vs run
χ^2 / ndf 219.7 / 63
p0 1722 ± 1.555
1800
1780
1760
1740
1720
1700
1680
1660

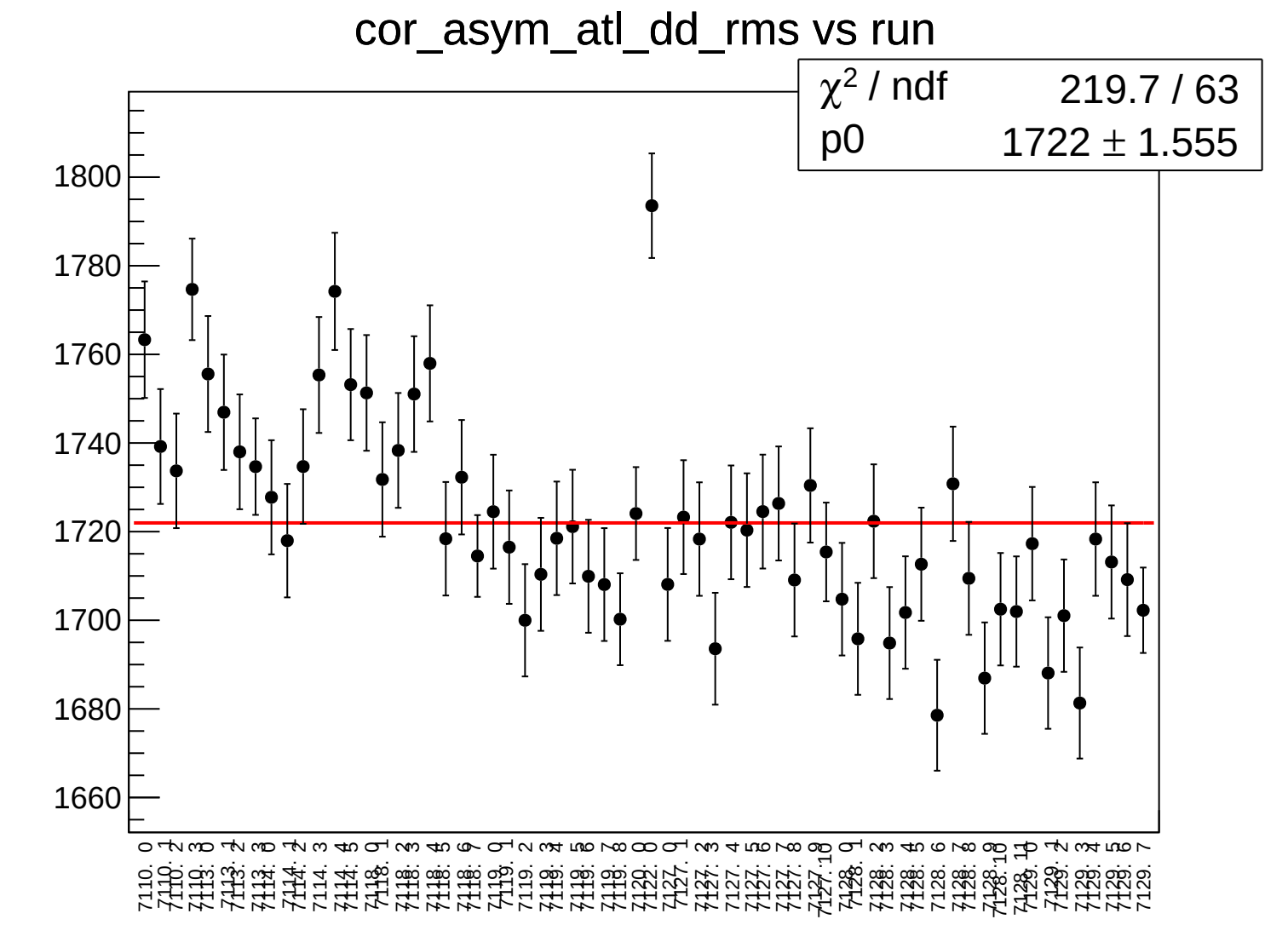

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.92 / 63
p0 3807 ± 6505
pull
Entries 64
Mean 142.1
Std Dev 0

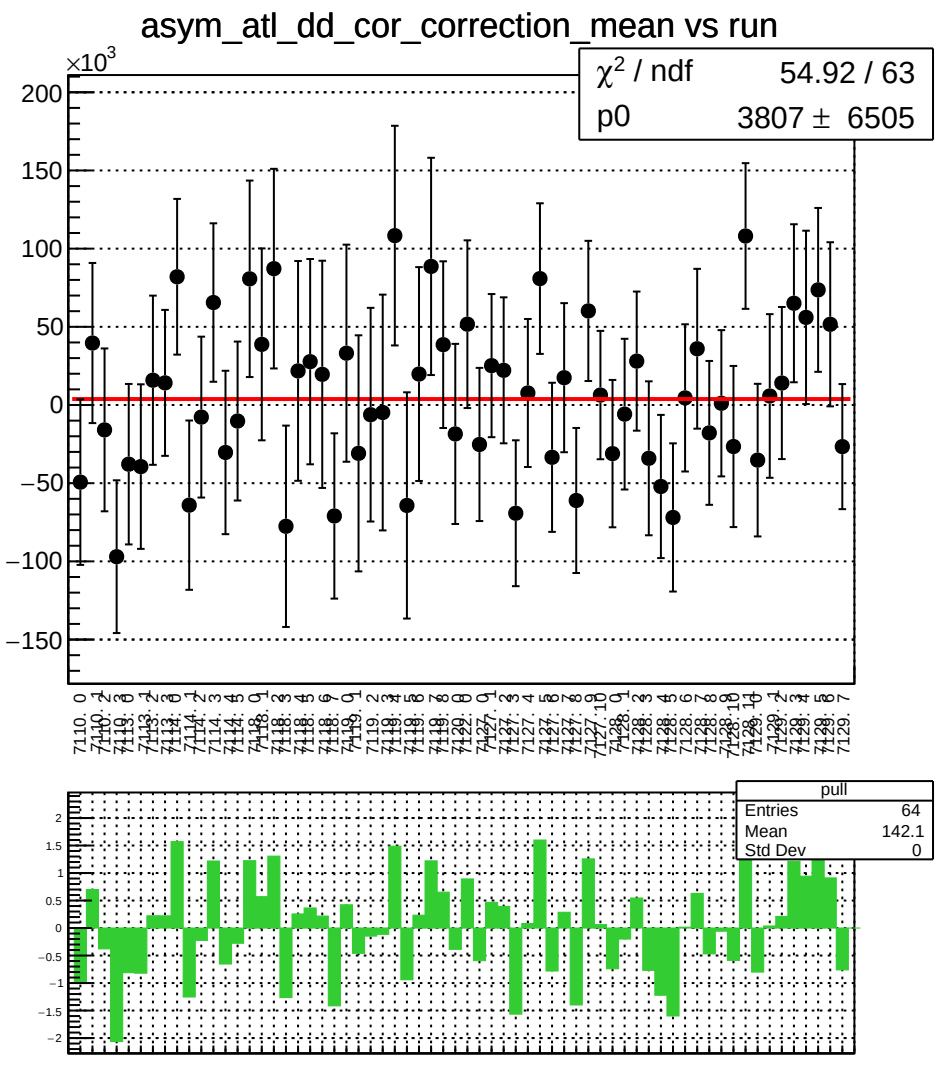

pull1D
Entries 64
Mean 0.01948
Std Dev 0.9262

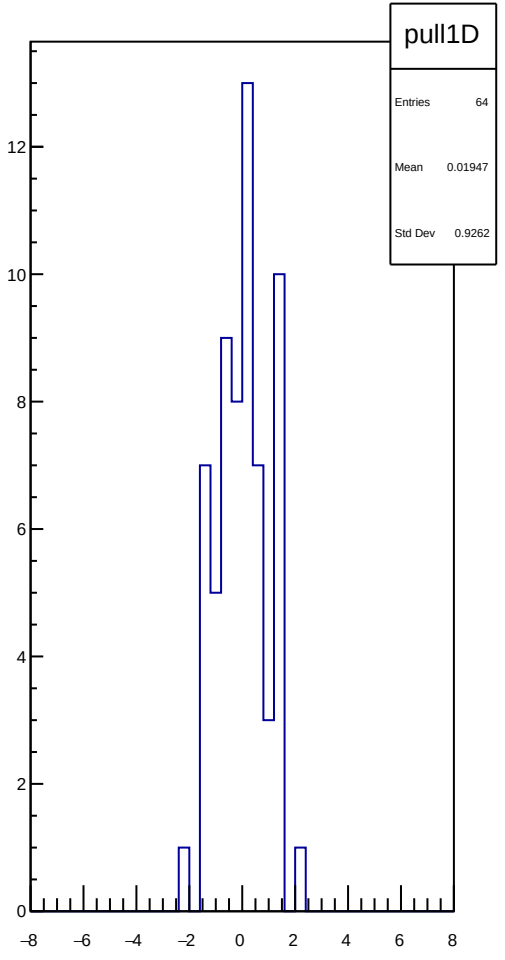

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 2.735e+04 / 63
p0 5036 ± 4.6
7500
7000
6500
6000
5500
5000
4500
4000

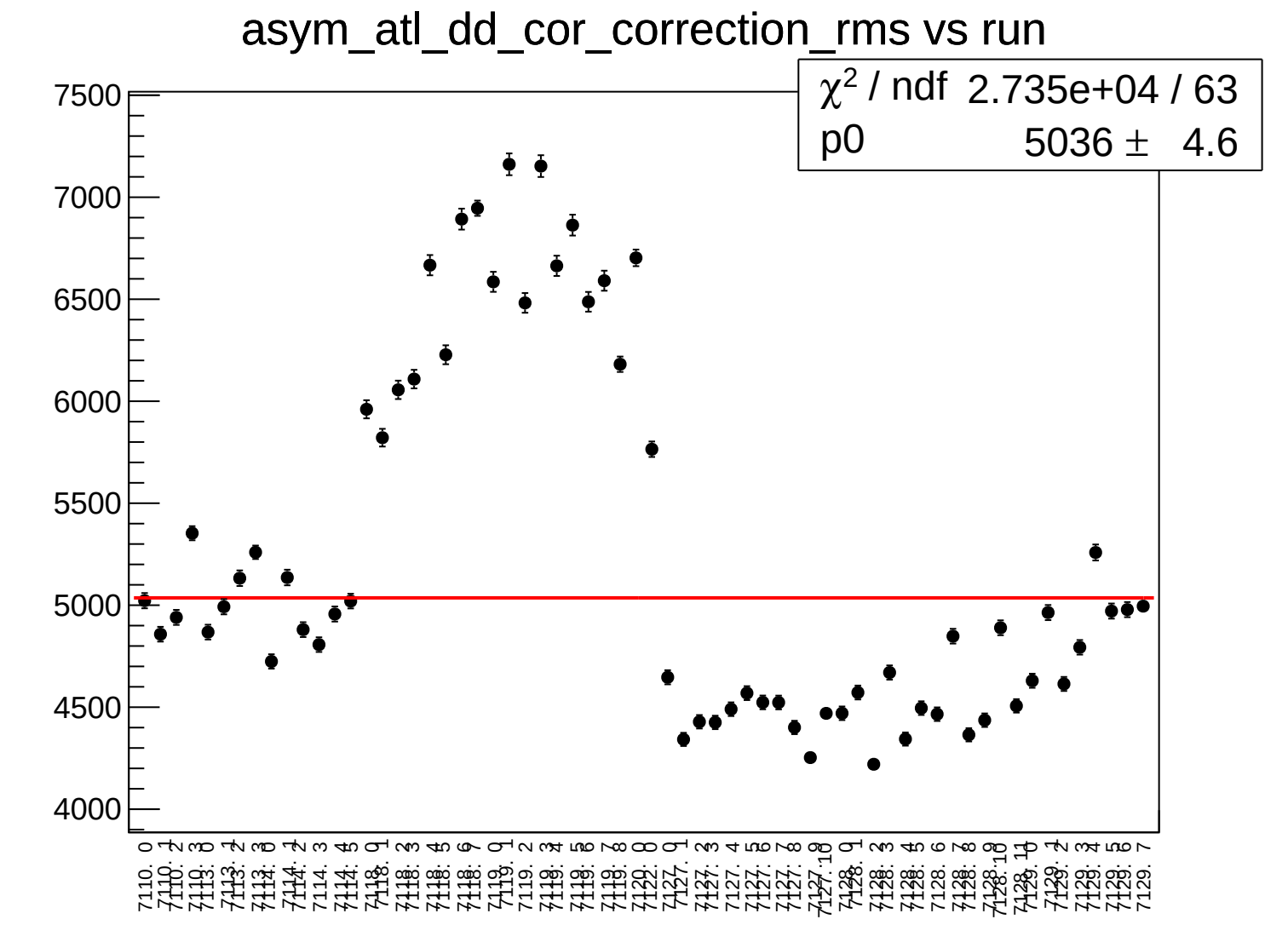

cor_asym_atl_dd_mean vs run
χ² / ndf 47.66 / 63
p0 −4184 ± 2199
pull
Entries 64
Mean −107.6
Std Dev 0

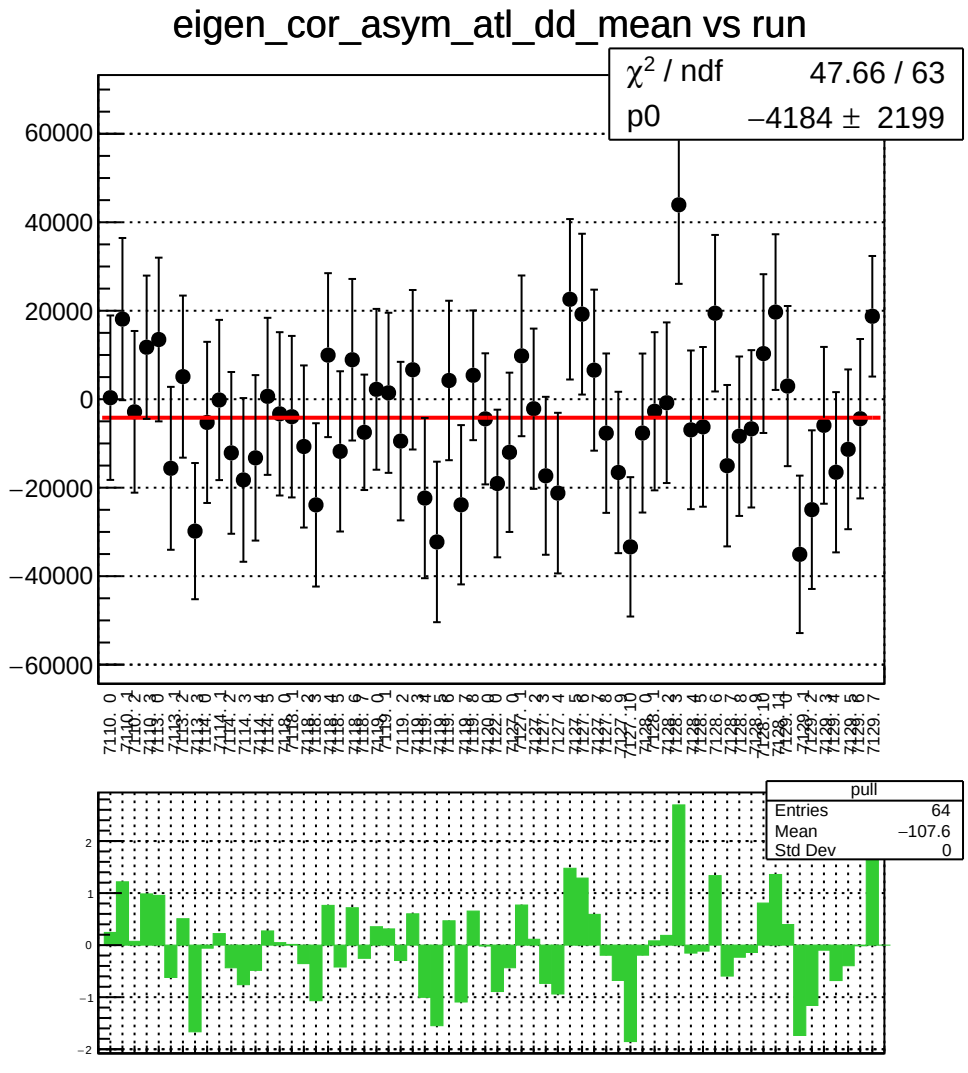

pull1D
Entries 64
Mean −0.001947
Std Dev 0.863

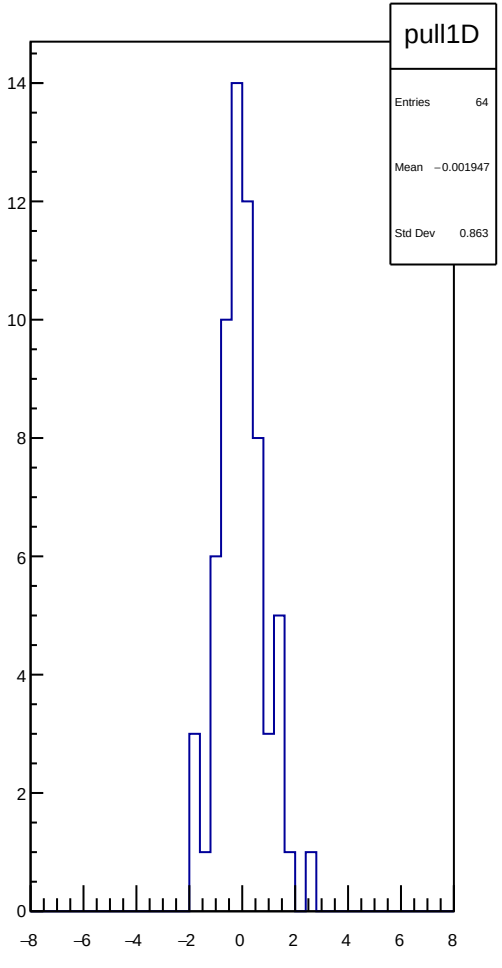

cor_asym_atl_dd_rms vs run
χ^2 / ndf 219.7 / 63
p0 1722 ± 1.555
1800
1780
1760
1740
1720
1700
1680
1660

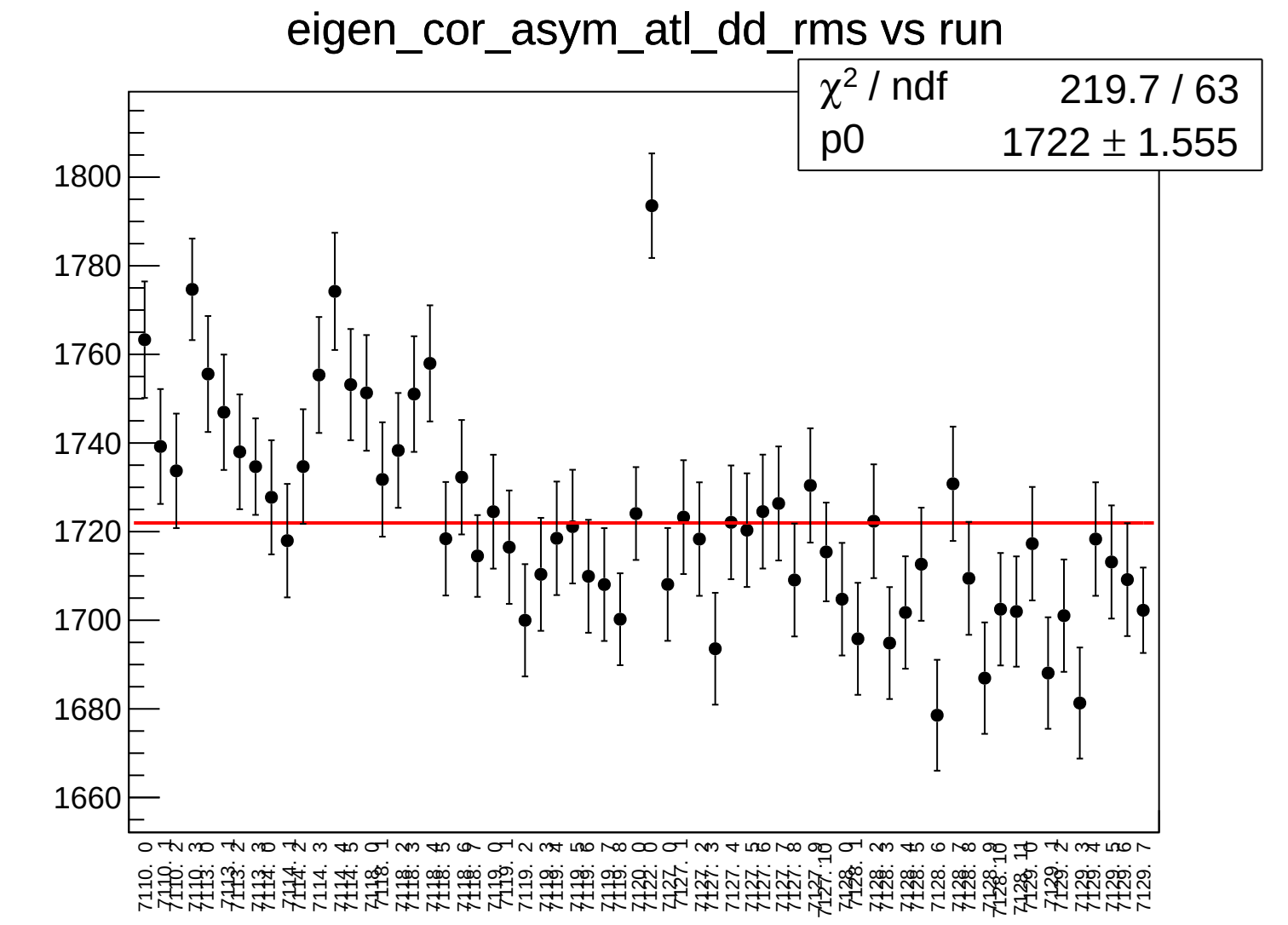

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 54.92 / 63
p0 3807 ± 6505
pull
Entries 64
Mean 142.1
Std Dev 0

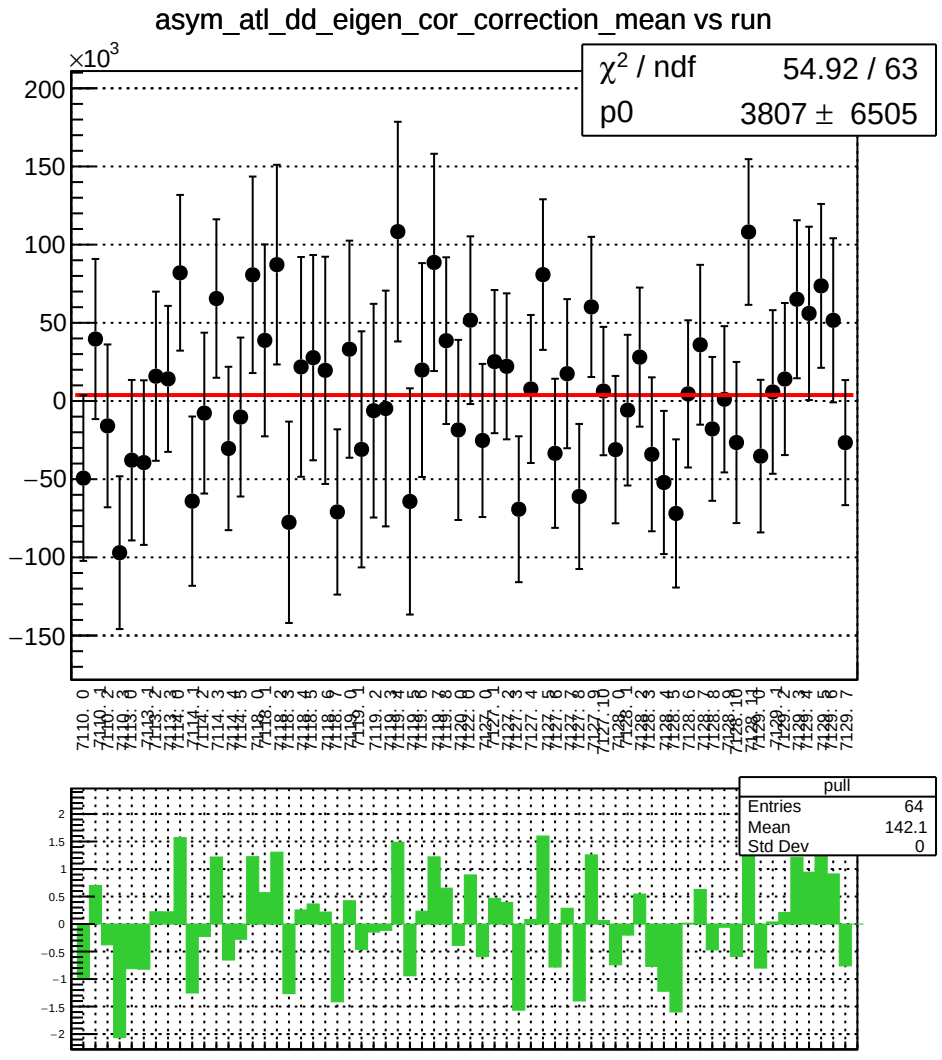

pull1D
Entries 64
Mean 0.01947
Std Dev 0.9262

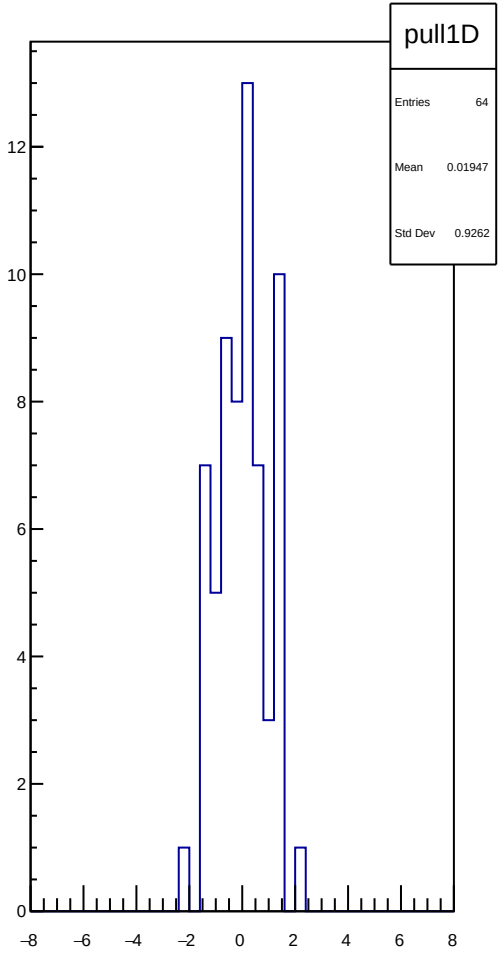

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 2.735e+04 / 63
p0 5036 ± 4.6
7500
7000
6500
6000
5500
5000
4500
4000

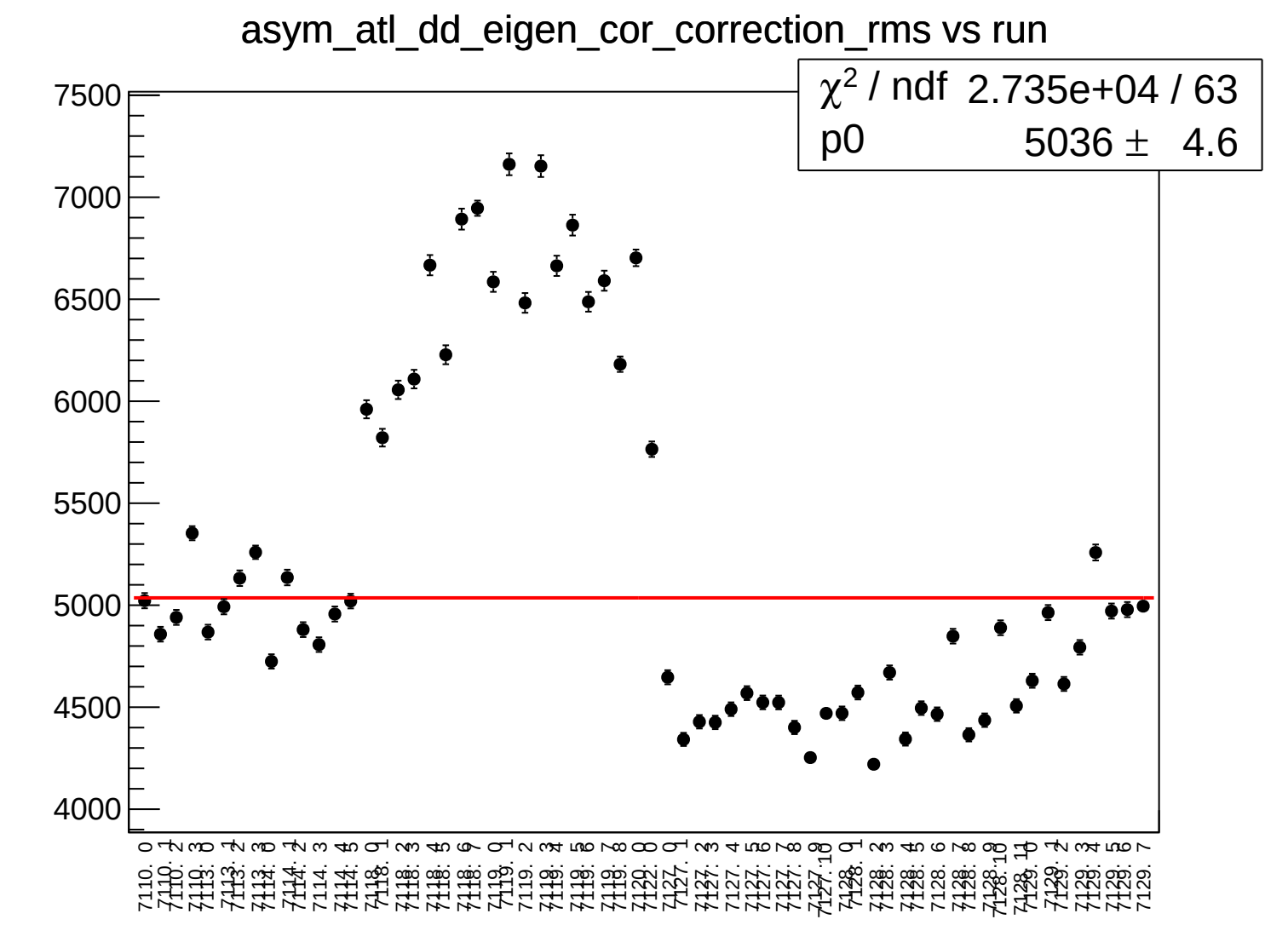

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 47.66 / 63
p0 −4184 ± 2199
pull
Entries 64
Mean −107.6
Std Dev 0

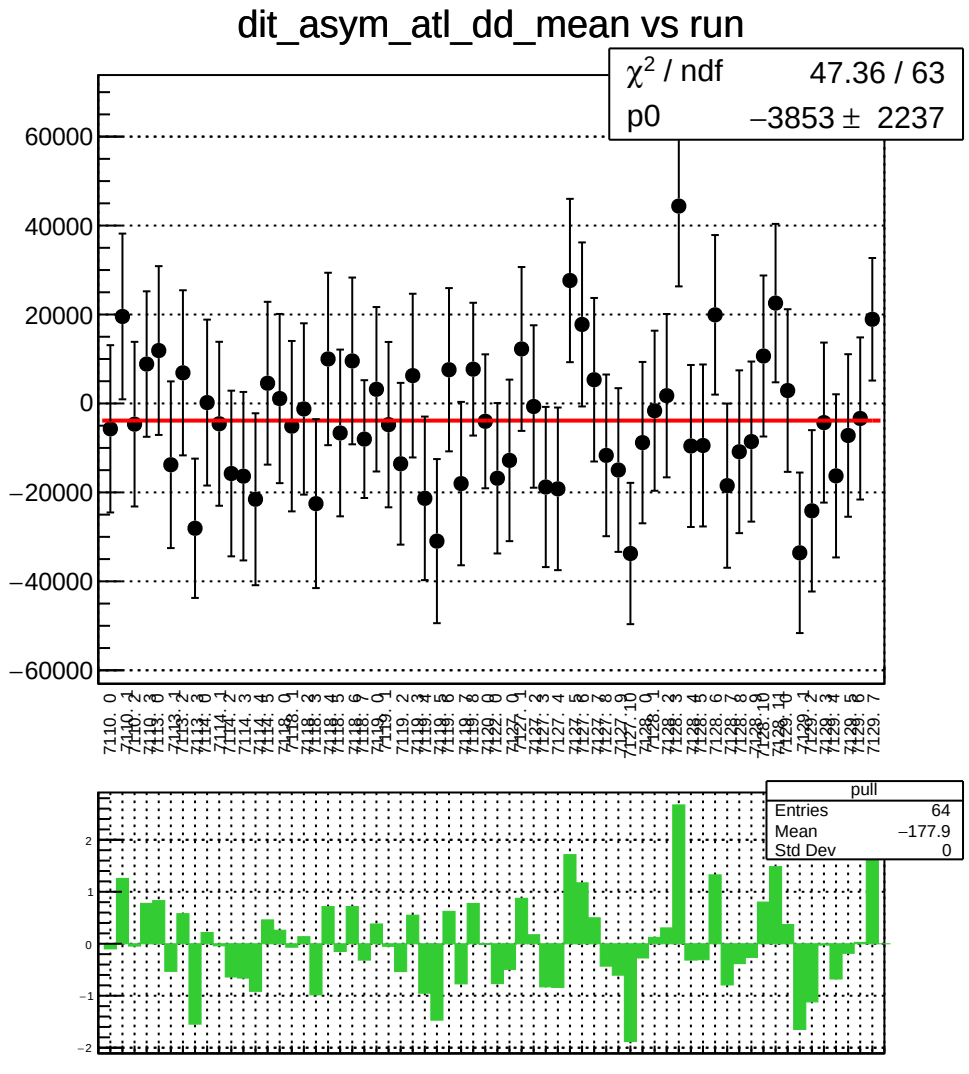

pull1D
Entries 64
Mean −0.001947
Std Dev 0.863

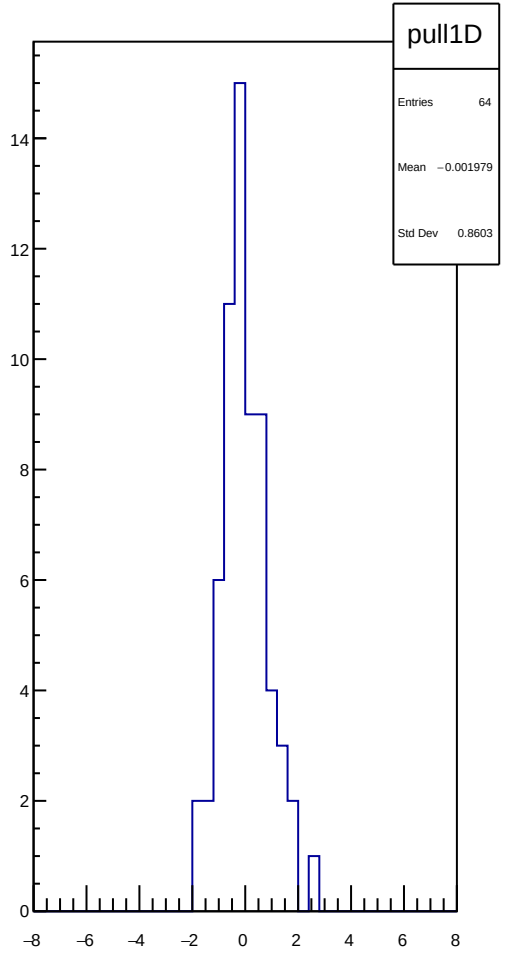

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 219.7 / 63
p0 1722 ± 1.555
1800
1780
1760
1740
1720
1700
1680
1660

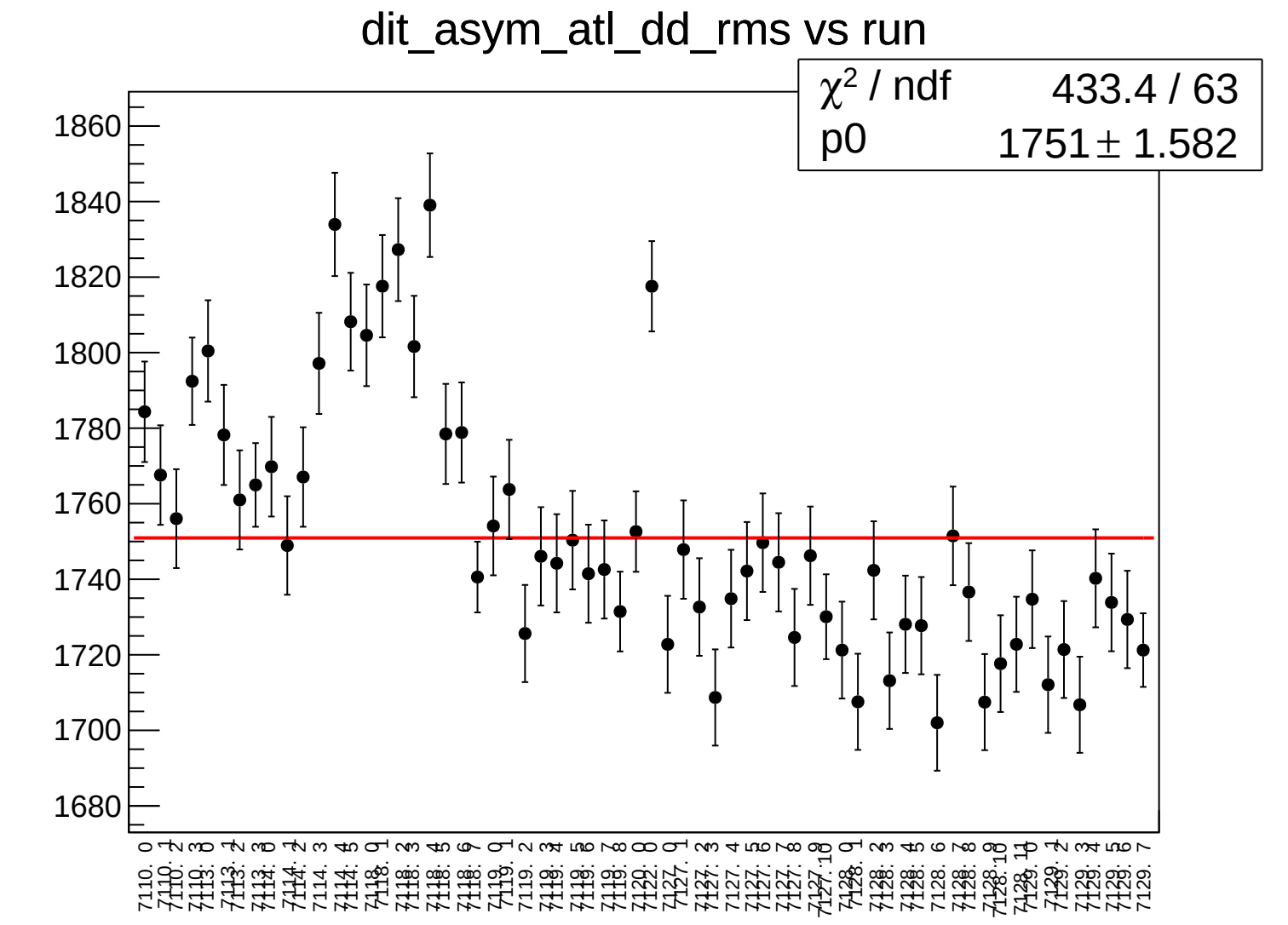

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.92 / 63
p0 3807 ± 6505
pull
Entries 64
Mean 142.1
Std Dev 0

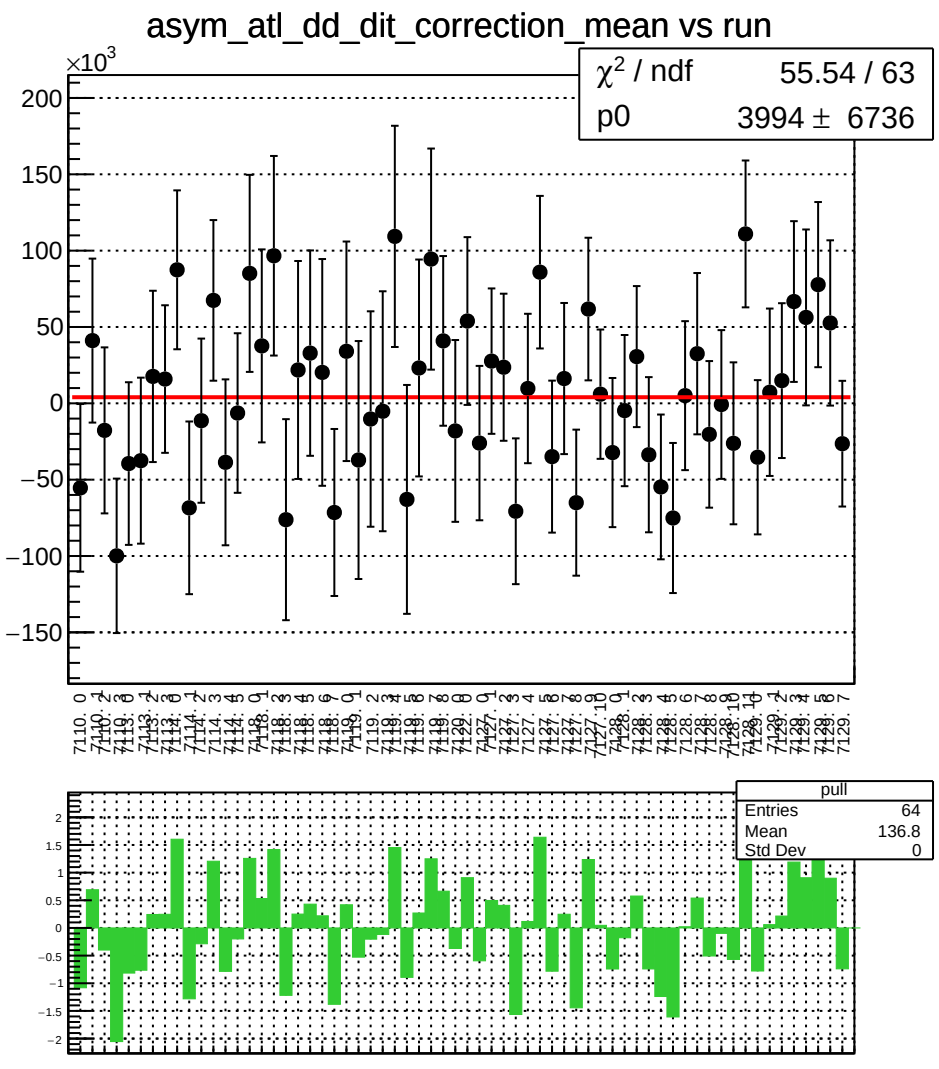

pull1D
Entries 64
Mean 0.01947
Std Dev 0.9262

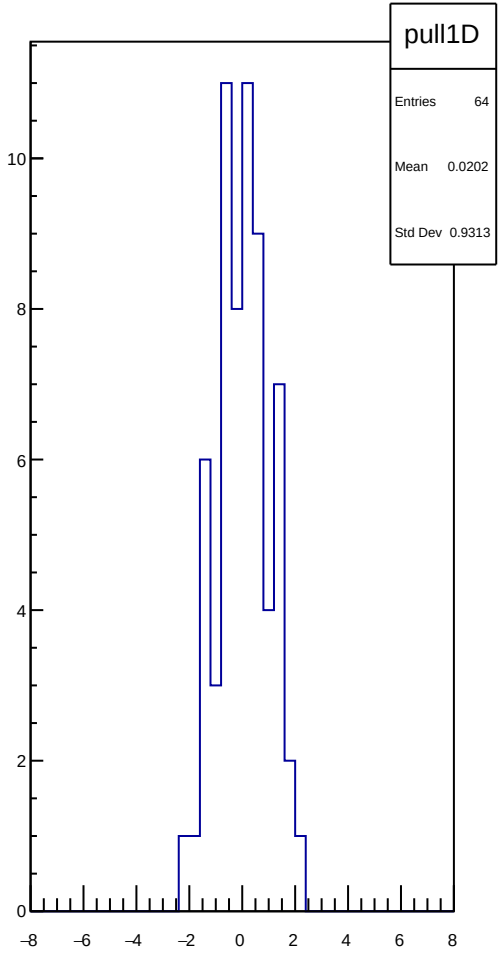

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.735e+04 / 63
p0 5036 ± 4.6
7500
7000
6500
6000
5500
5000
4500
4000

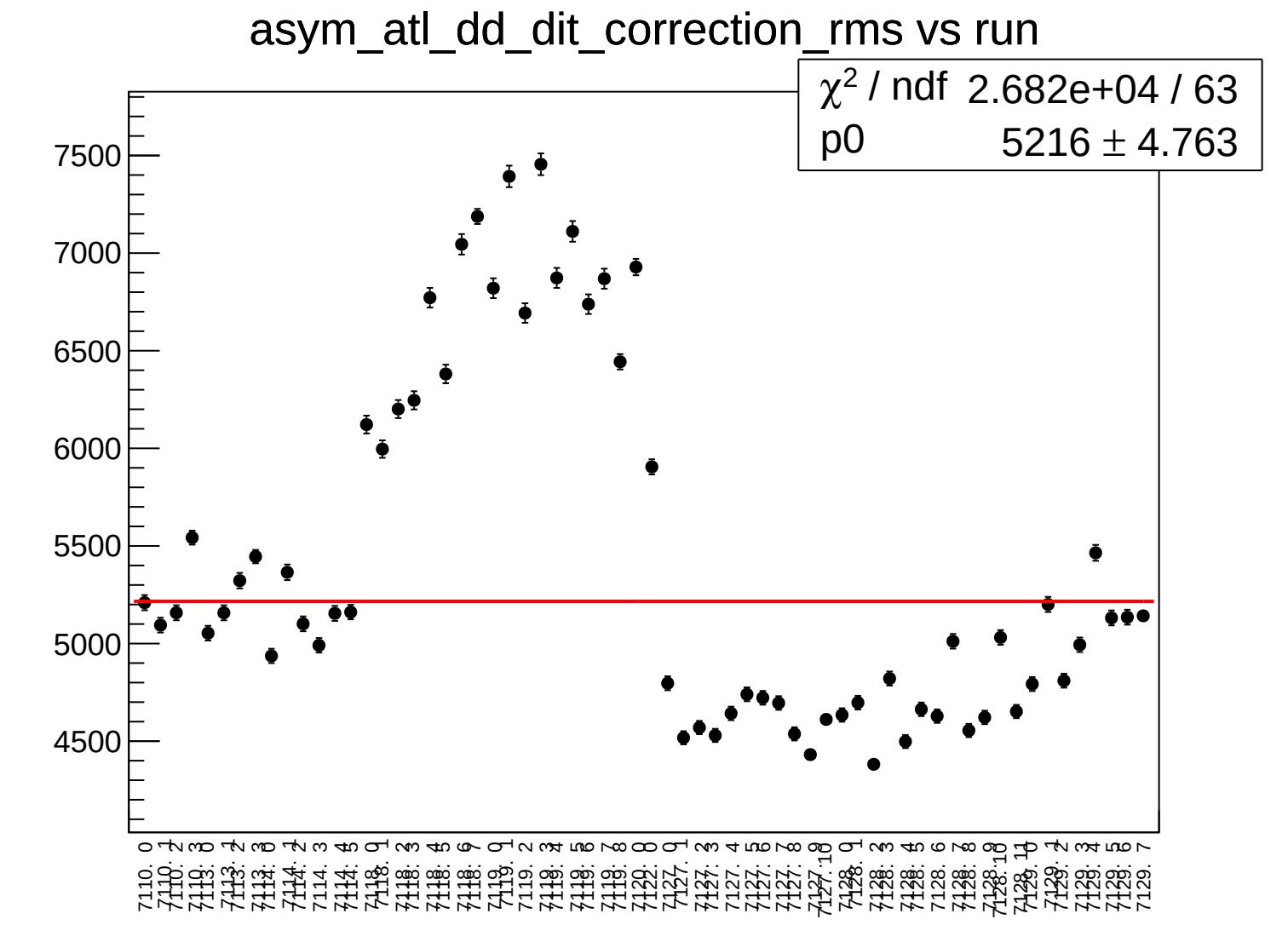

dit_asym_atl_dd_mean vs run
χ² / ndf 47.36 / 63
p0 −3853 ± 2237
pull
Entries 64
Mean −177.9
Std Dev 0

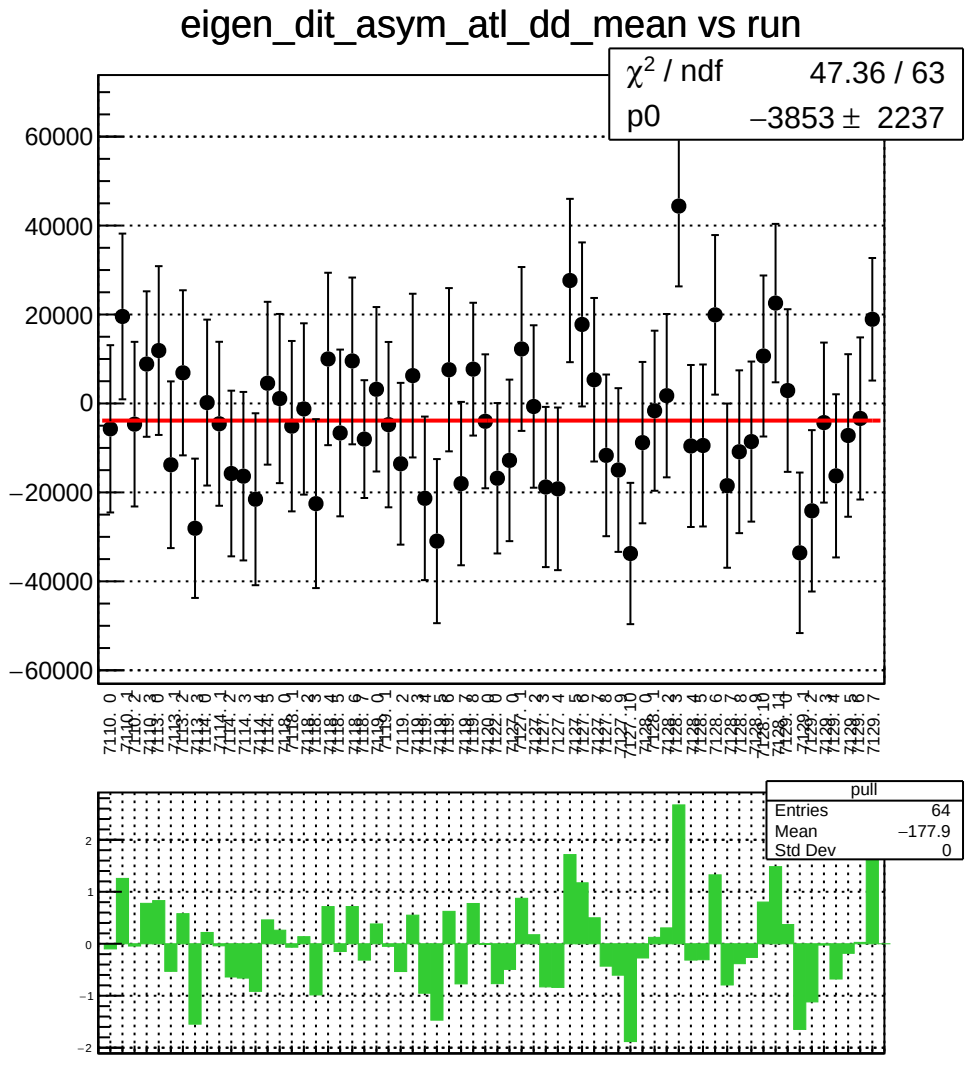

pull1D
Entries 64
Mean −0.001979
Std Dev 0.8603

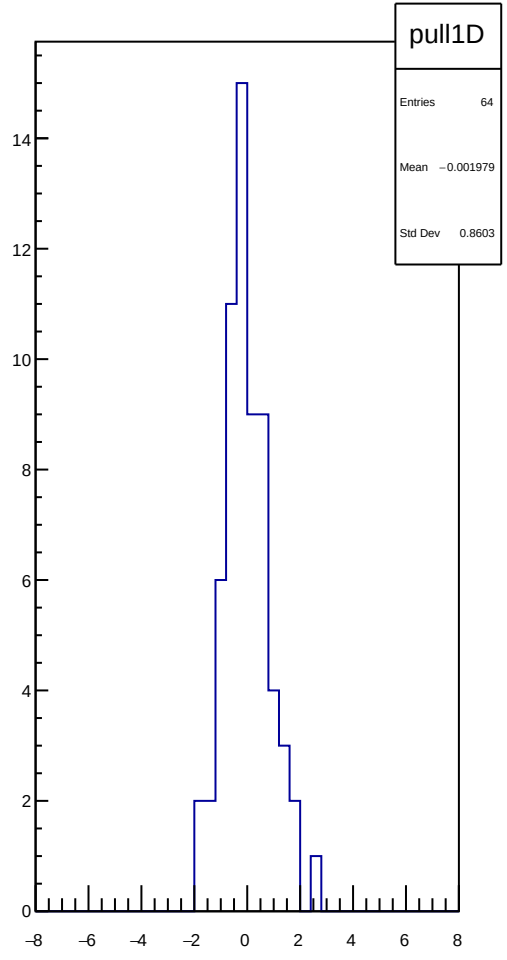

dit_asym_atl_dd_rms vs run
χ^2 / ndf 433.4 / 63
p0 1751 ± 1.582
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

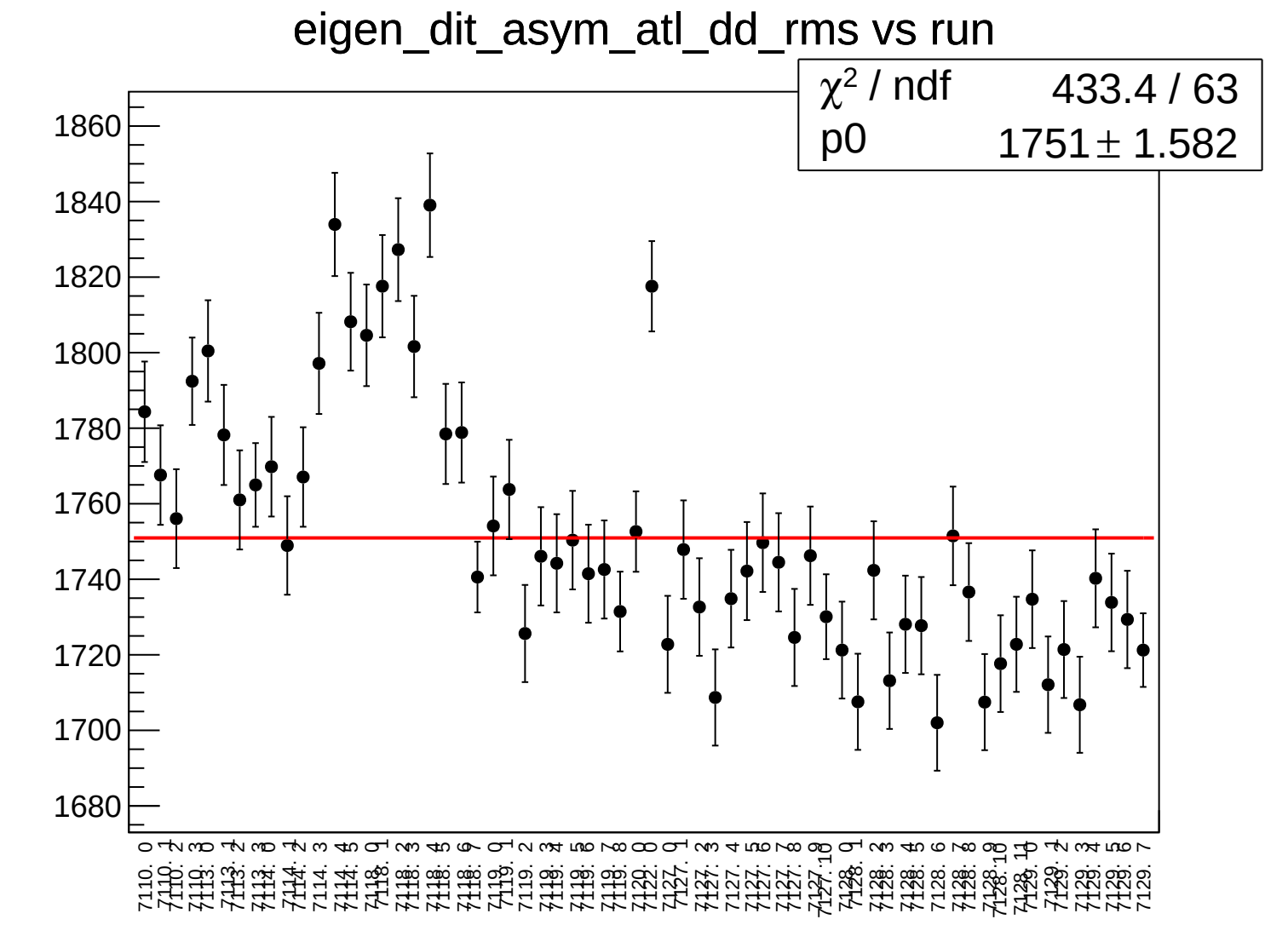

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.54 / 63
p0 3994 ± 6736
pull
Entries 64
Mean 136.8
Std Dev 0

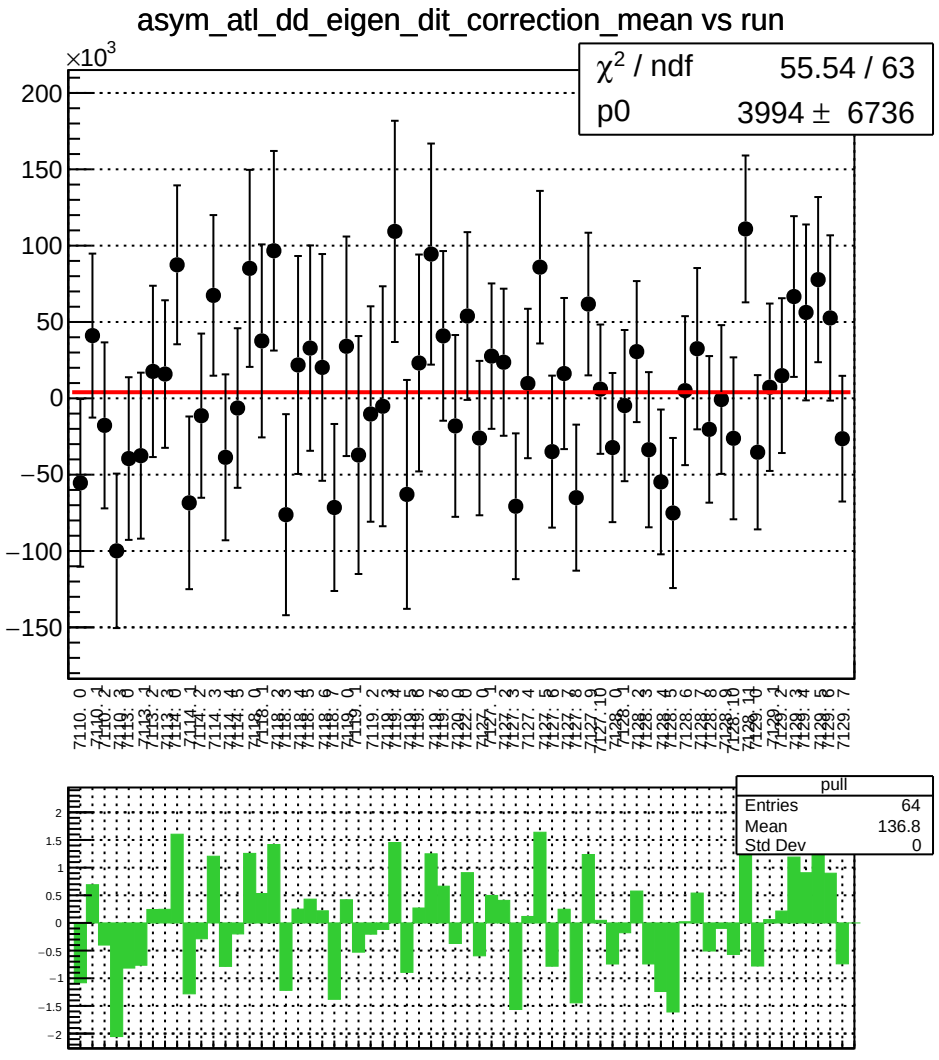

pull1D
Entries 64
Mean 0.0202
Std Dev 0.9313

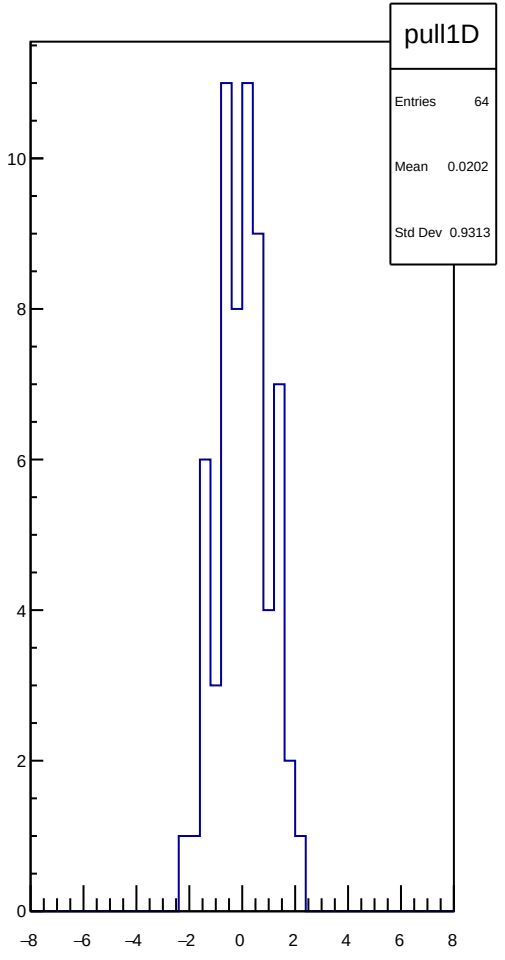

asym_atl_dd_dit_correction_rms vs run
χ^2 / ndf 2.682e+04 / 63
p0 5216 ± 4.763
7500
7000
6500
6000
5500
5000
4500

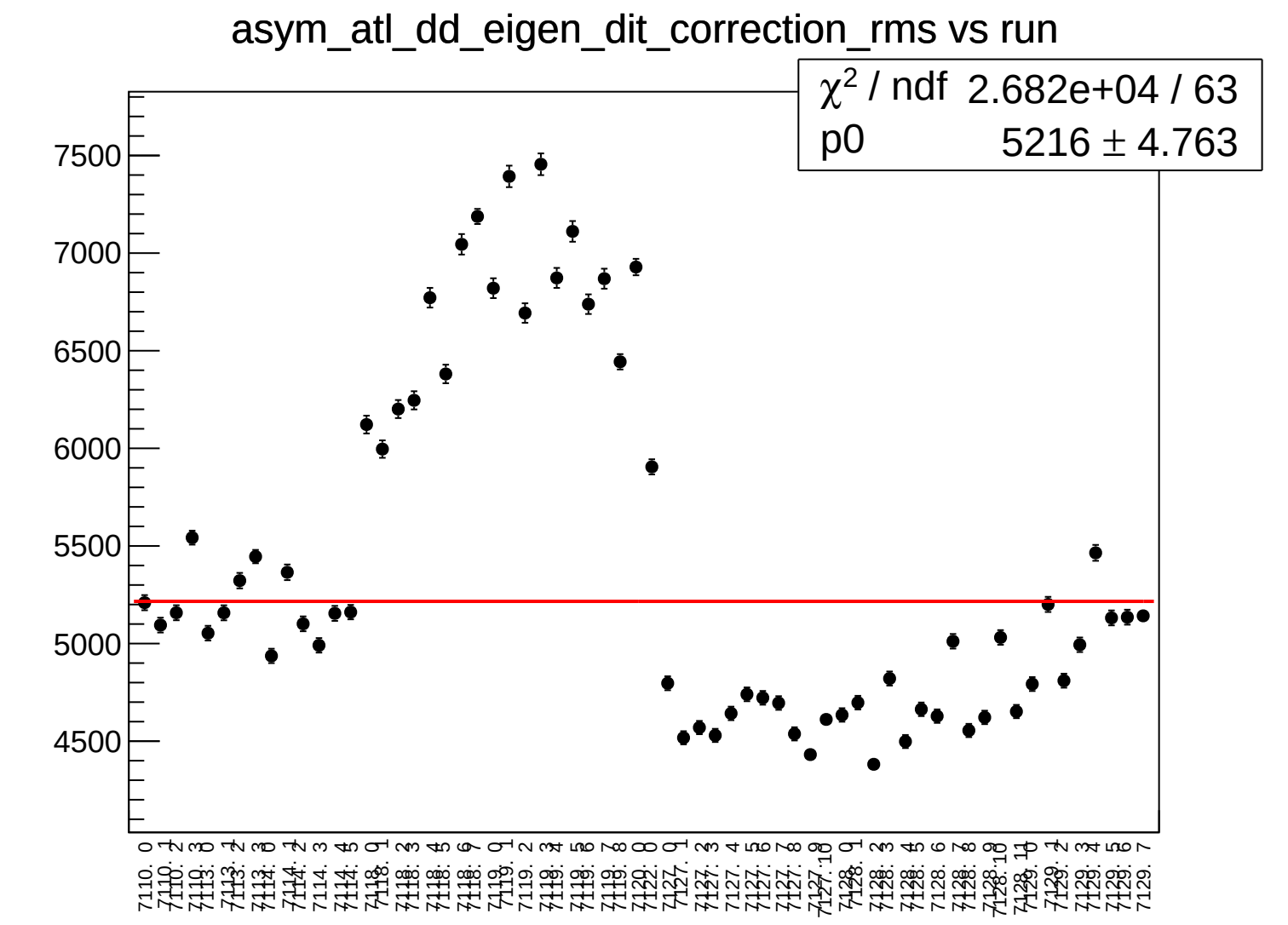

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 47.36 / 63
p0 −3853 ± 2237
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −177.9
Std Dev 0
2
1
0
−1
−2

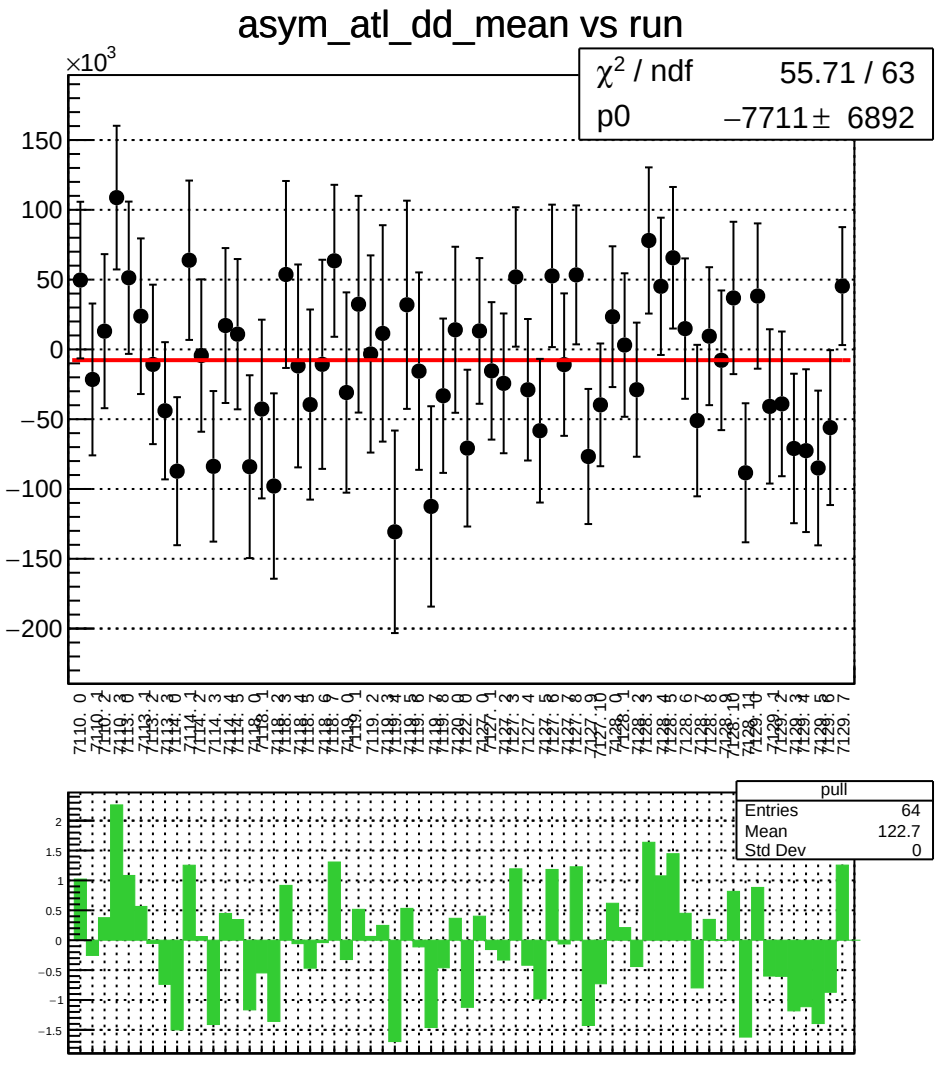

pull1D
Entries 64
Mean −0.001979
Std Dev 0.8603
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

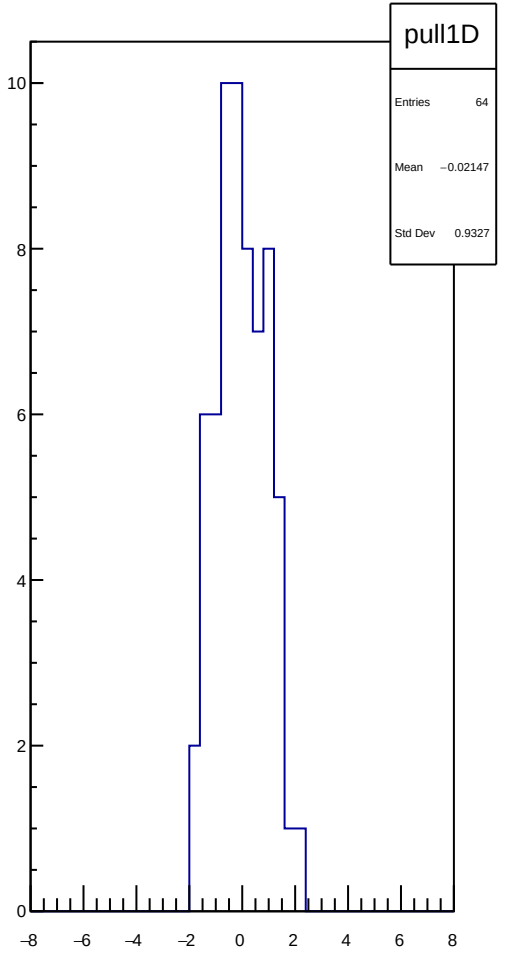

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 433.4 / 63
p0 1751 ± 1.582
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

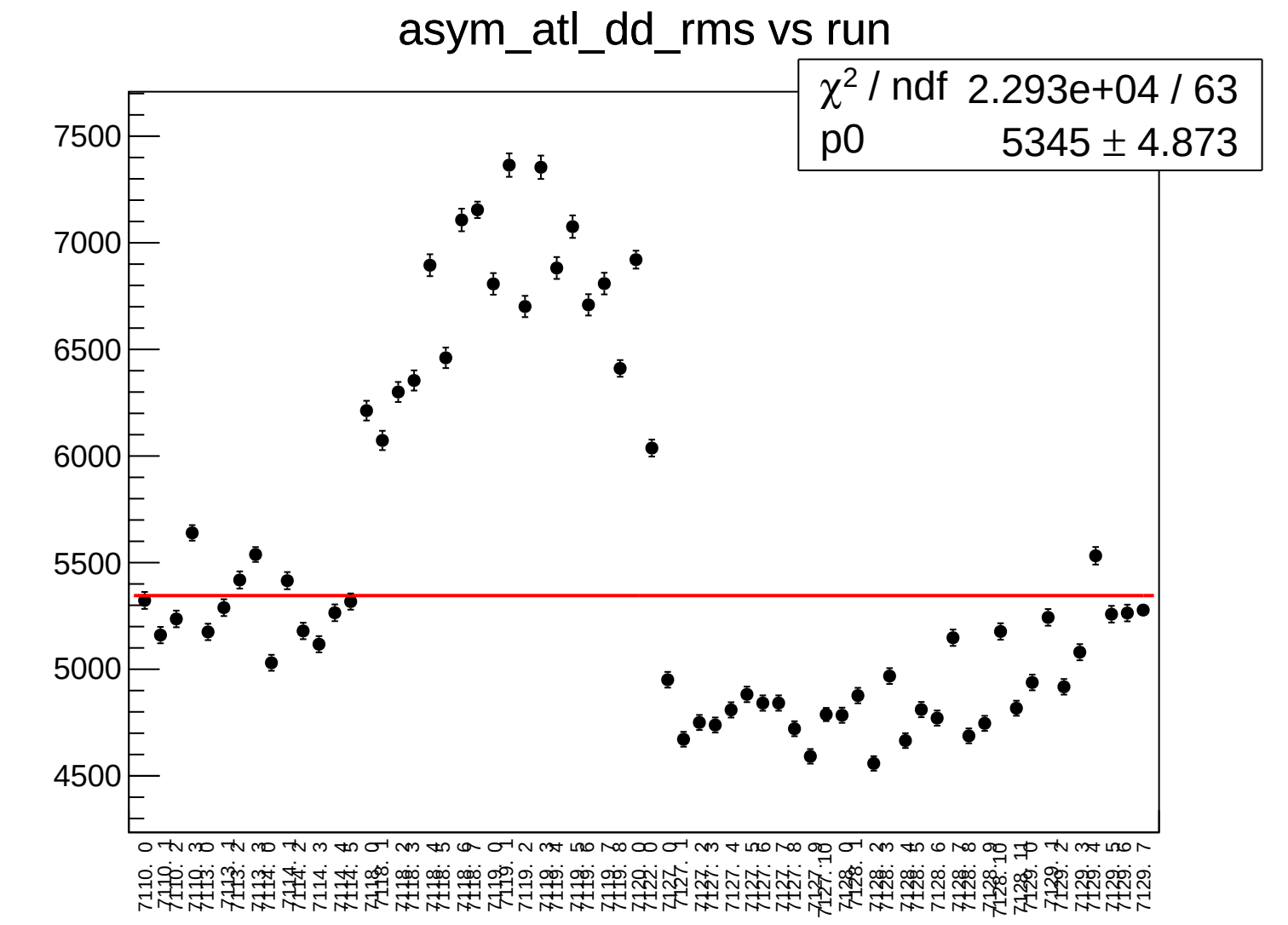

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.54 / 63
p0 3994 ± 6736
pull
Entries 64
Mean 136.8
Std Dev 0

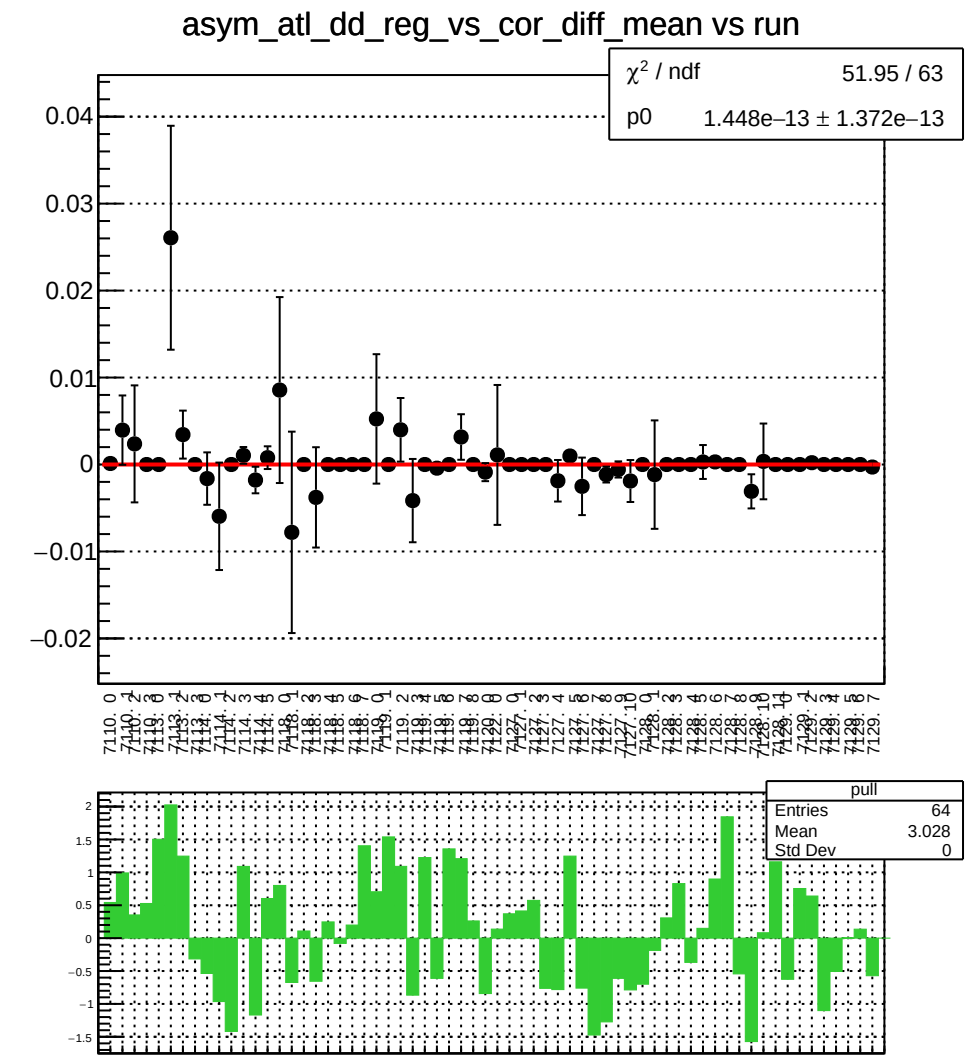

pull1D
Entries 64
Mean 0.0202
Std Dev 0.9313

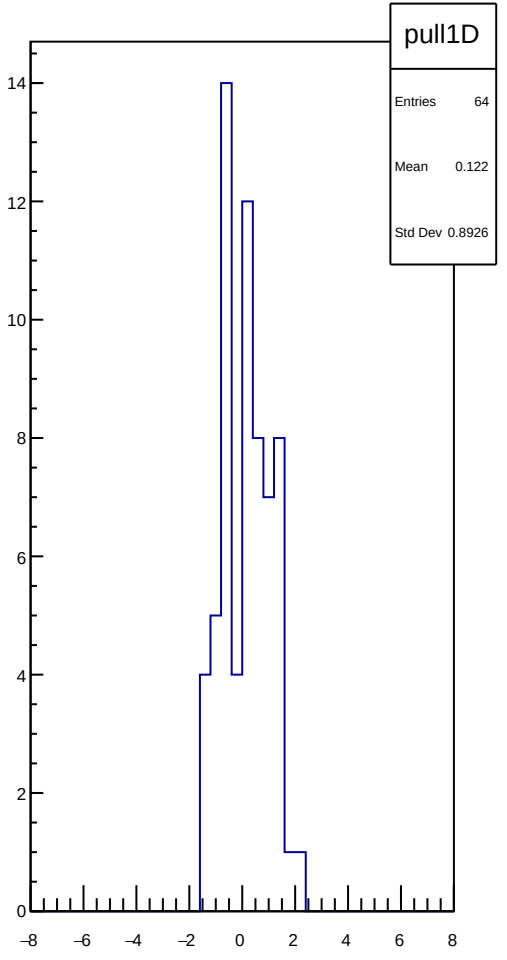

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.682e+04 / 63
p0 5216 ± 4.763
7500
7000
6500
6000
5500
5000
4500

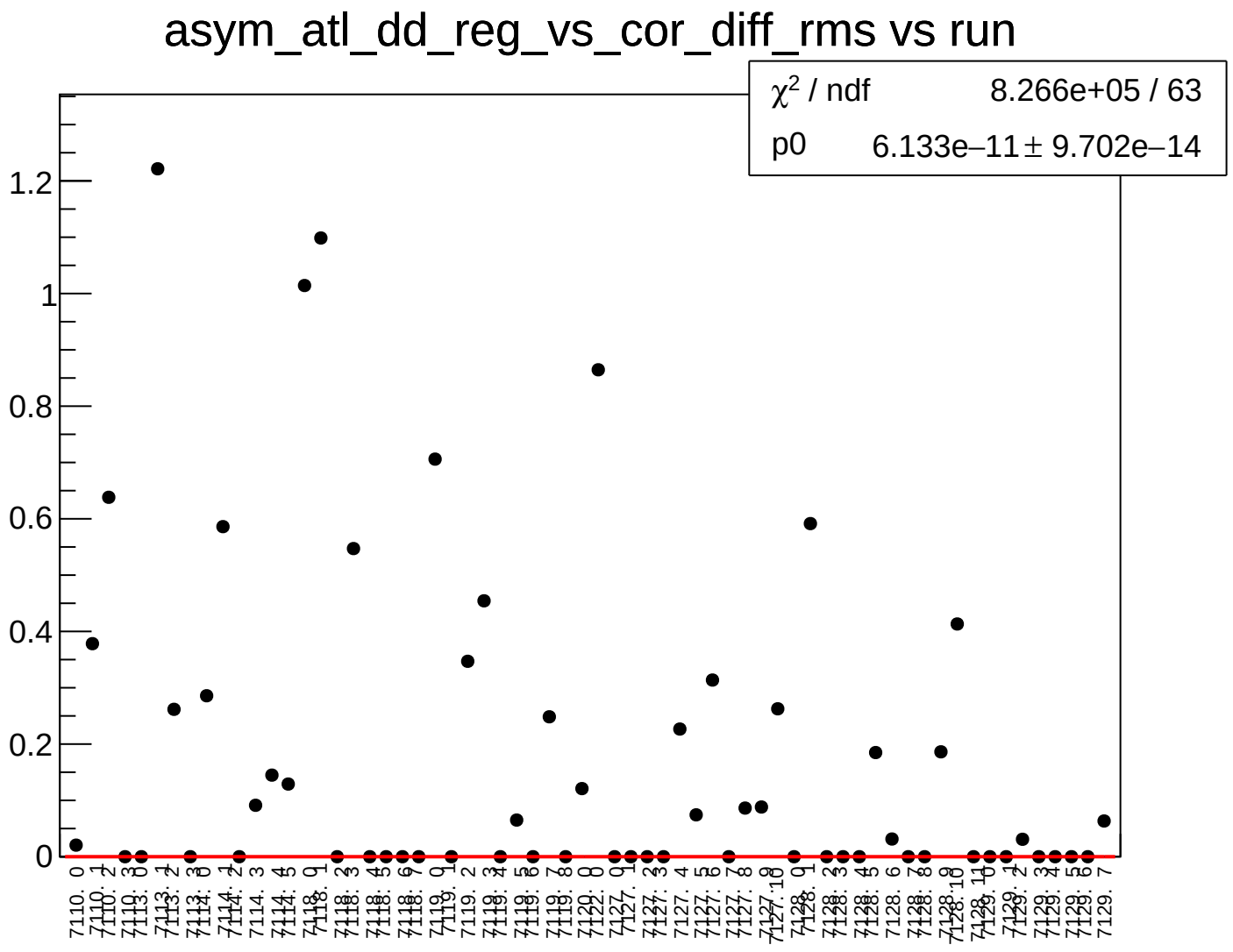

asym_atl_dd_mean vs run
×10^3
χ² / ndf 55.71 / 63
p0 −7711 ± 6892
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 122.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

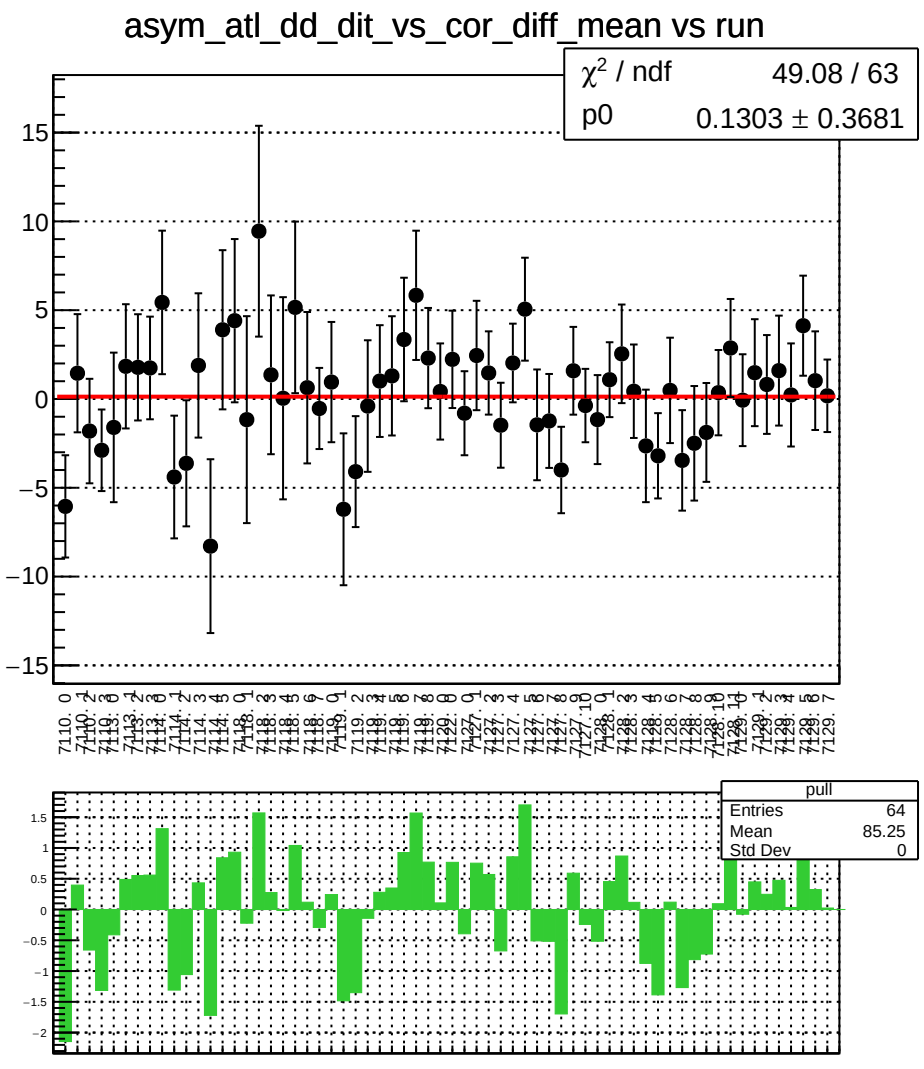

pull1D
Entries 64
Mean −0.02147
Std Dev 0.9327
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

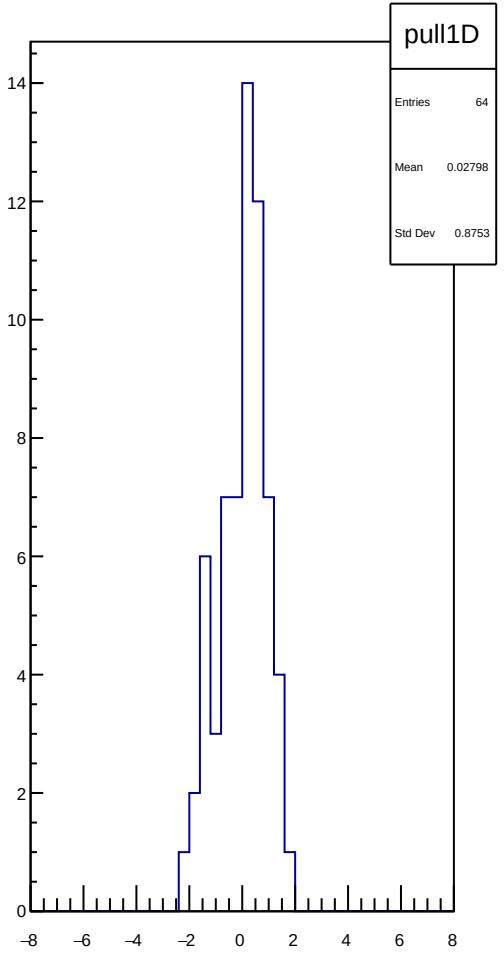

asym_atl_dd_rms vs run
χ² / ndf 2.293e+04 / 63
p0 5345 ± 4.873
7500
7000
6500
6000
5500
5000
4500

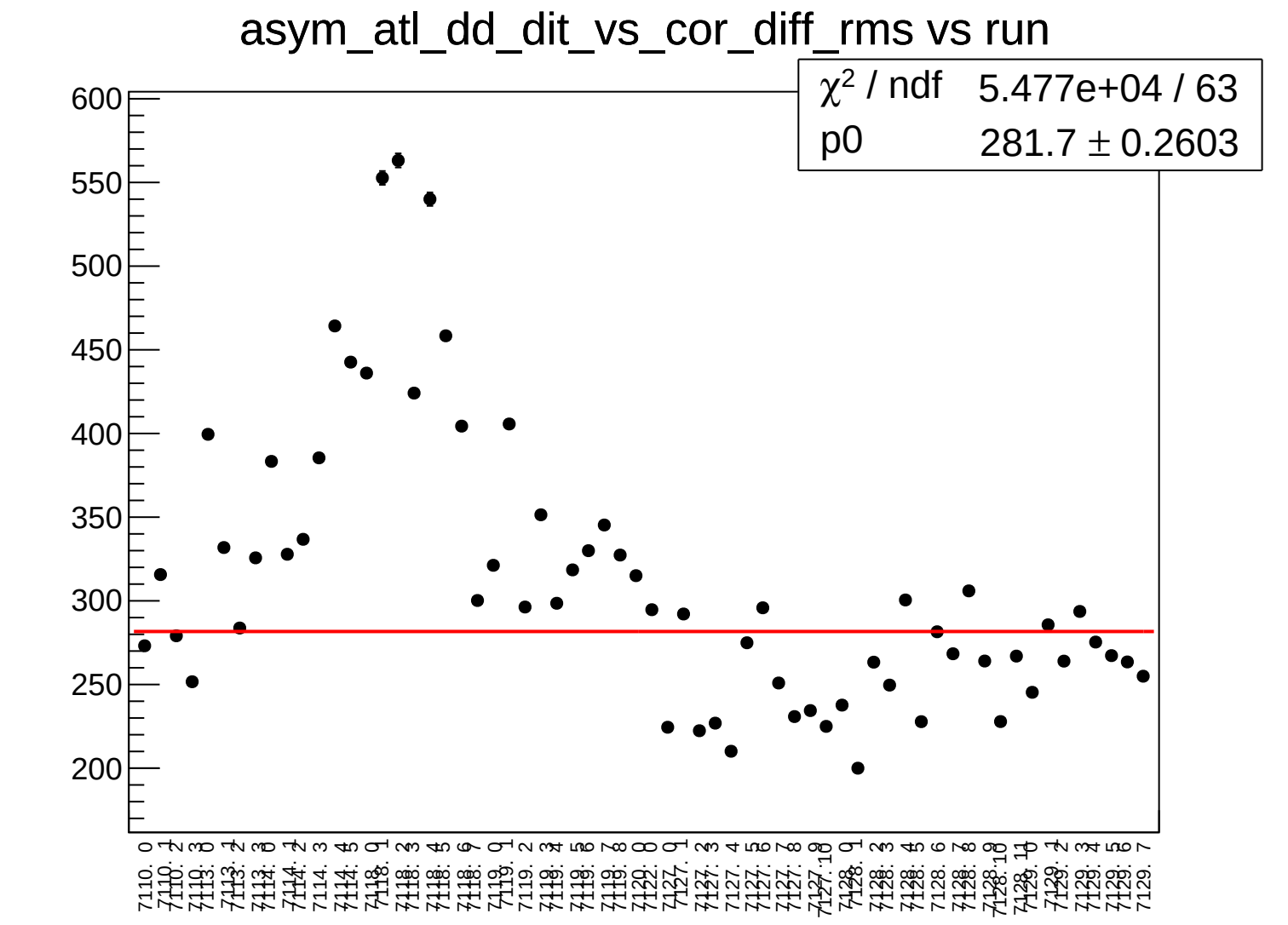

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.95 / 63
p0 1.448e−13 ± 1.372e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean 3.028
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

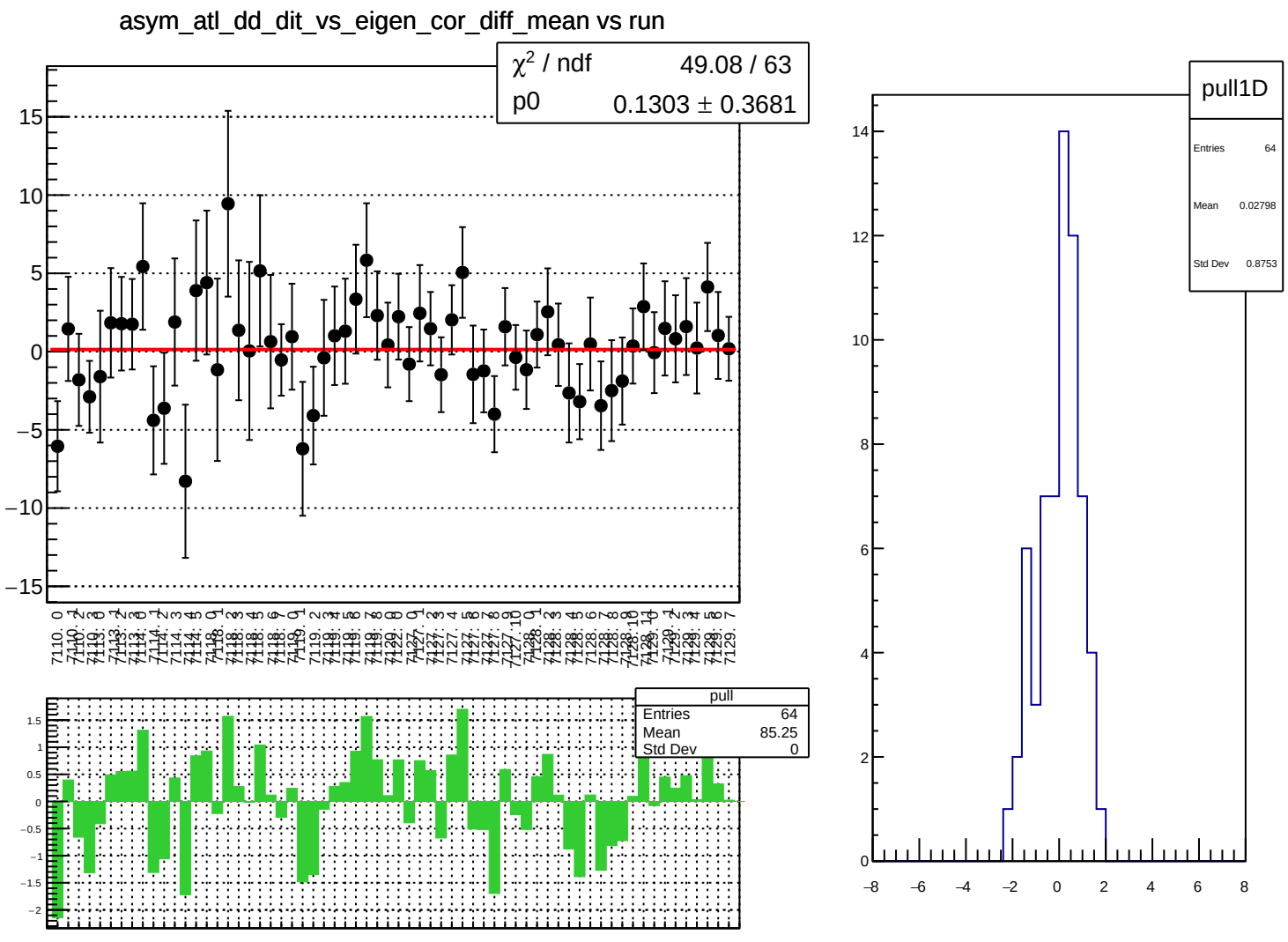

pull1D
Entries 64
Mean 0.122
Std Dev 0.8926
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

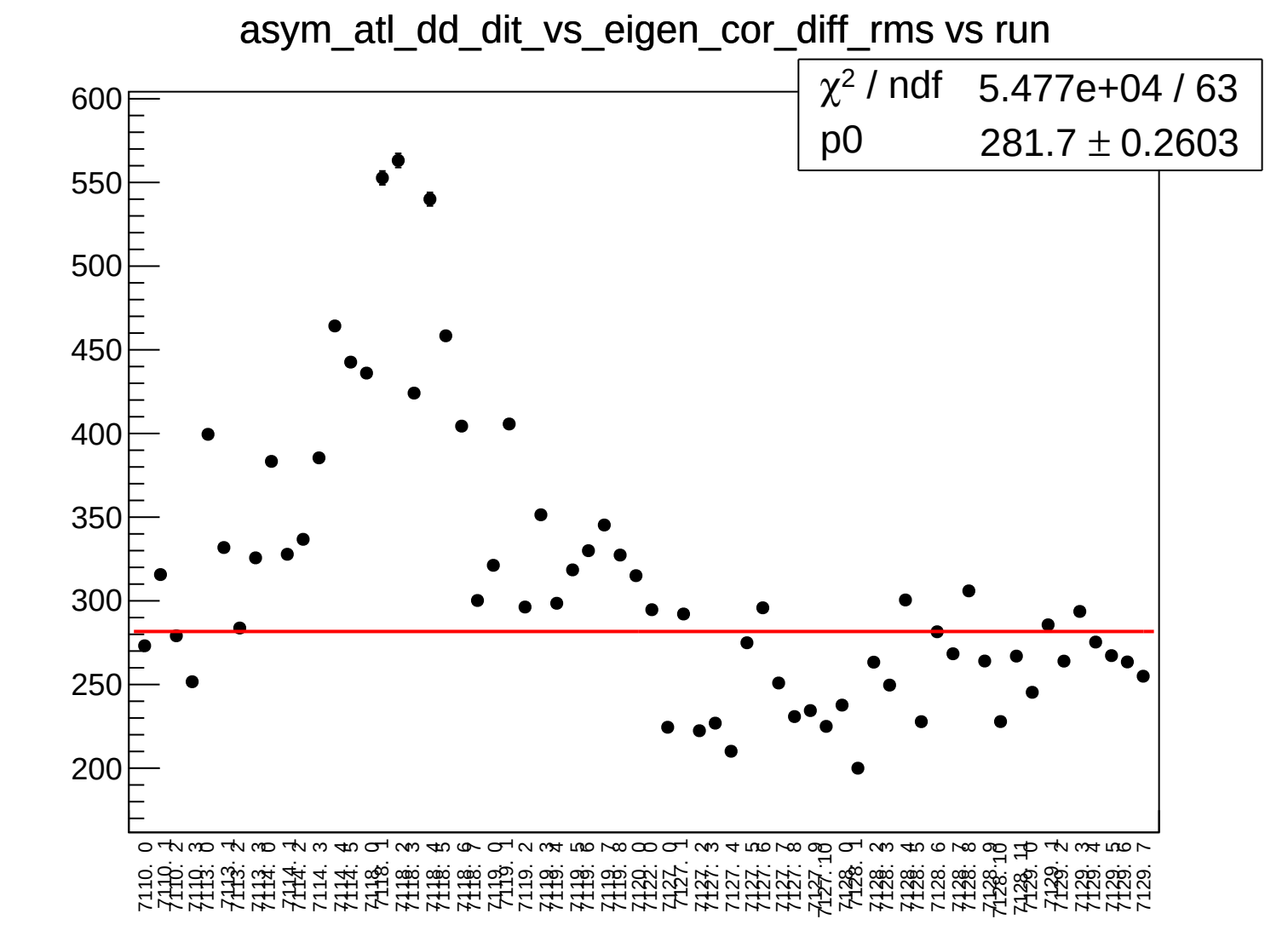

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.266e+05 / 63
p0 6.133e−11 ± 9.702e−14
1.2
1
0.8
0.6
0.4
0.2
0

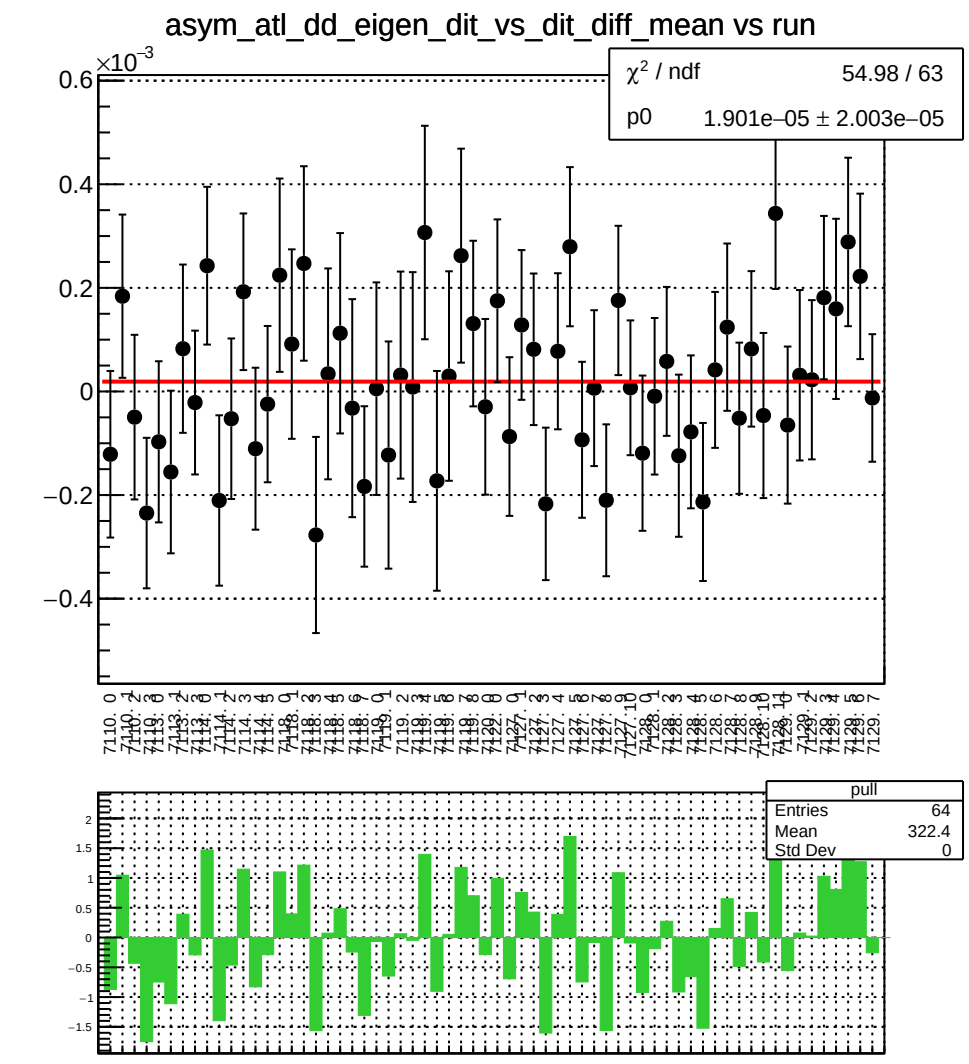

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.08 / 63
p0 0.1303 ± 0.3681
pull
Entries 64
Mean 85.25
Std Dev 0

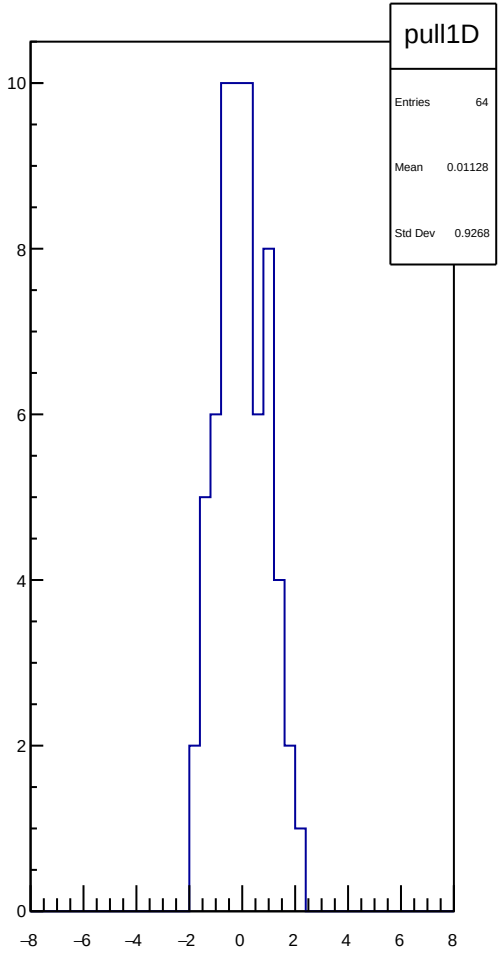

pull1D
Entries 64
Mean 0.02798
Std Dev 0.8753

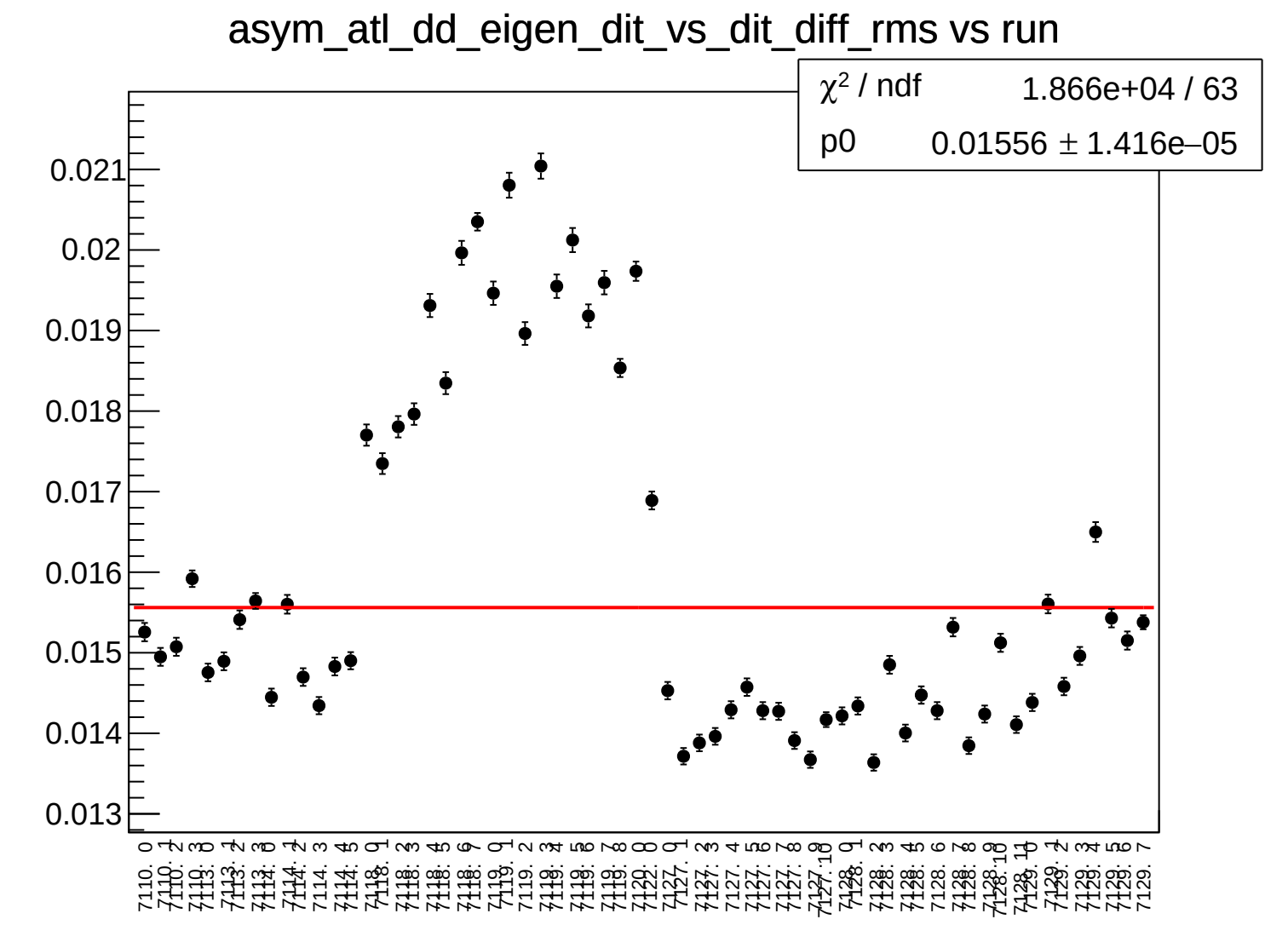

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.477e+04 / 63
p0 281.7 ± 0.2603
600
550
500
450
400
350
300
250
200

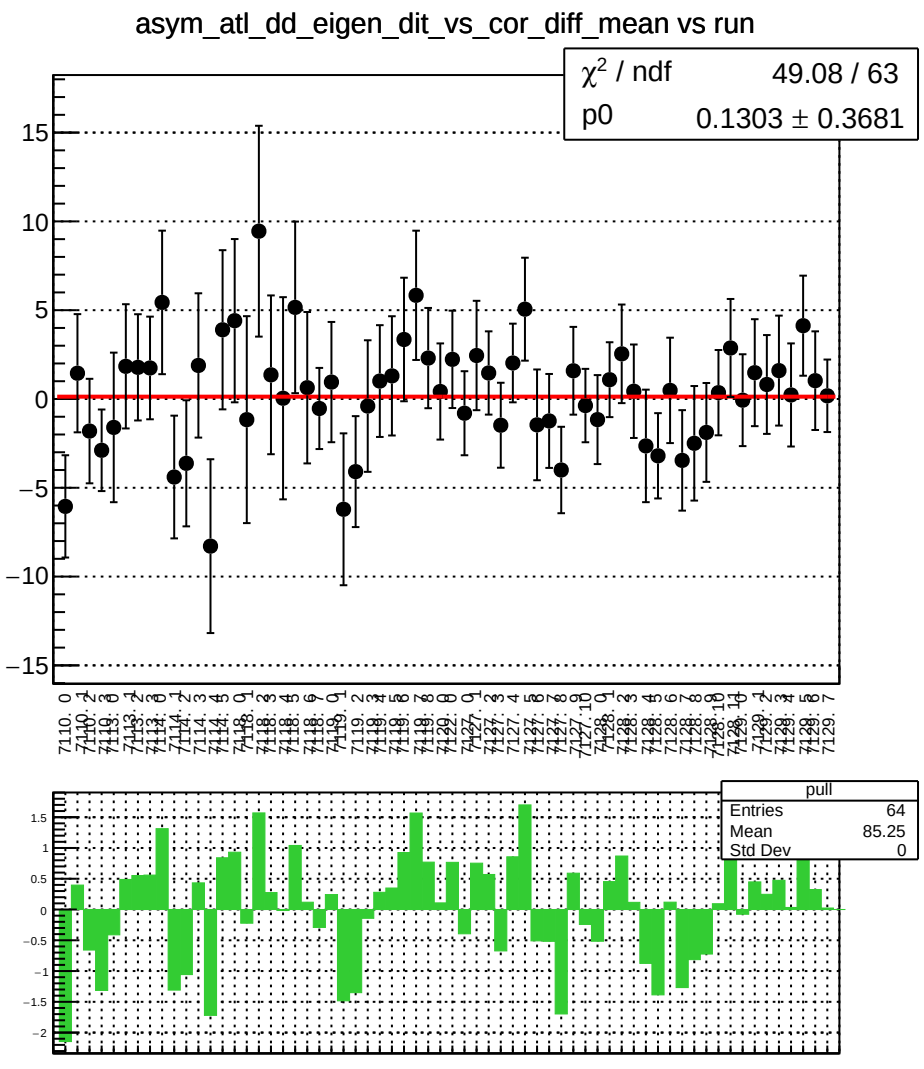

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.08 / 63
p0 0.1303 ± 0.3681
pull
Entries 64
Mean 85.25
Std Dev 0
pull1D
Entries 64
Mean 0.02798
Std Dev 0.8753

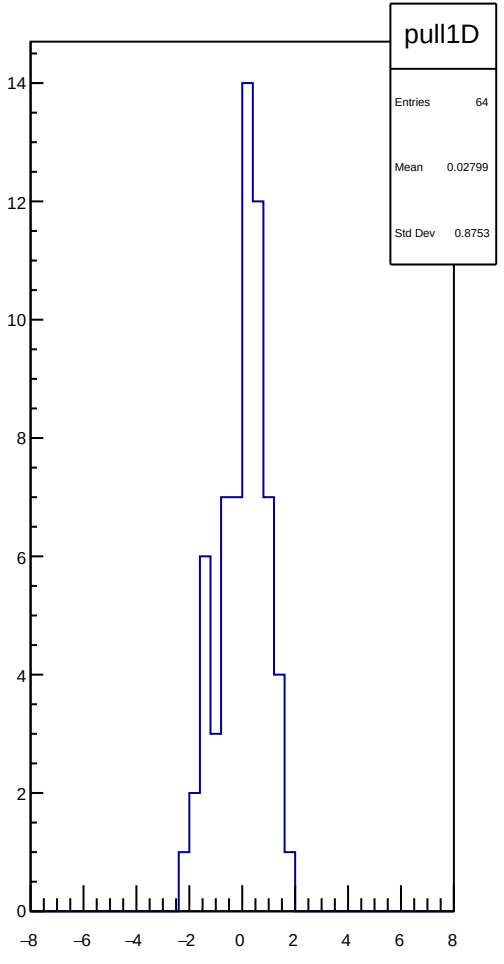

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.477e+04 / 63
p0 281.7 ± 0.2603
600
550
500
450
400
350
300
250
200

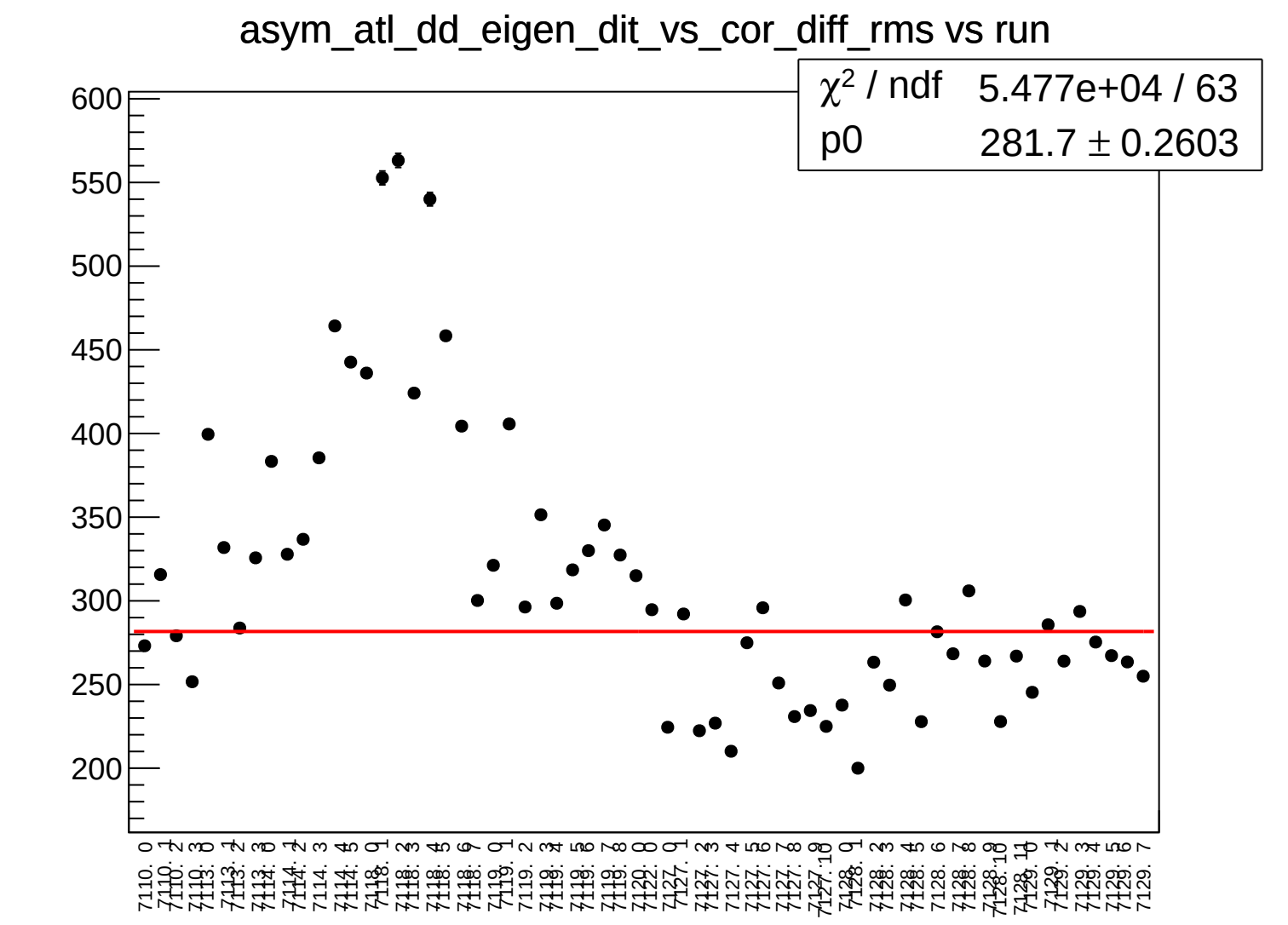

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.98 / 63
p0 1.901e−05 ± 2.003e−05
pull
Entries 64
Mean 322.4
Std Dev 0

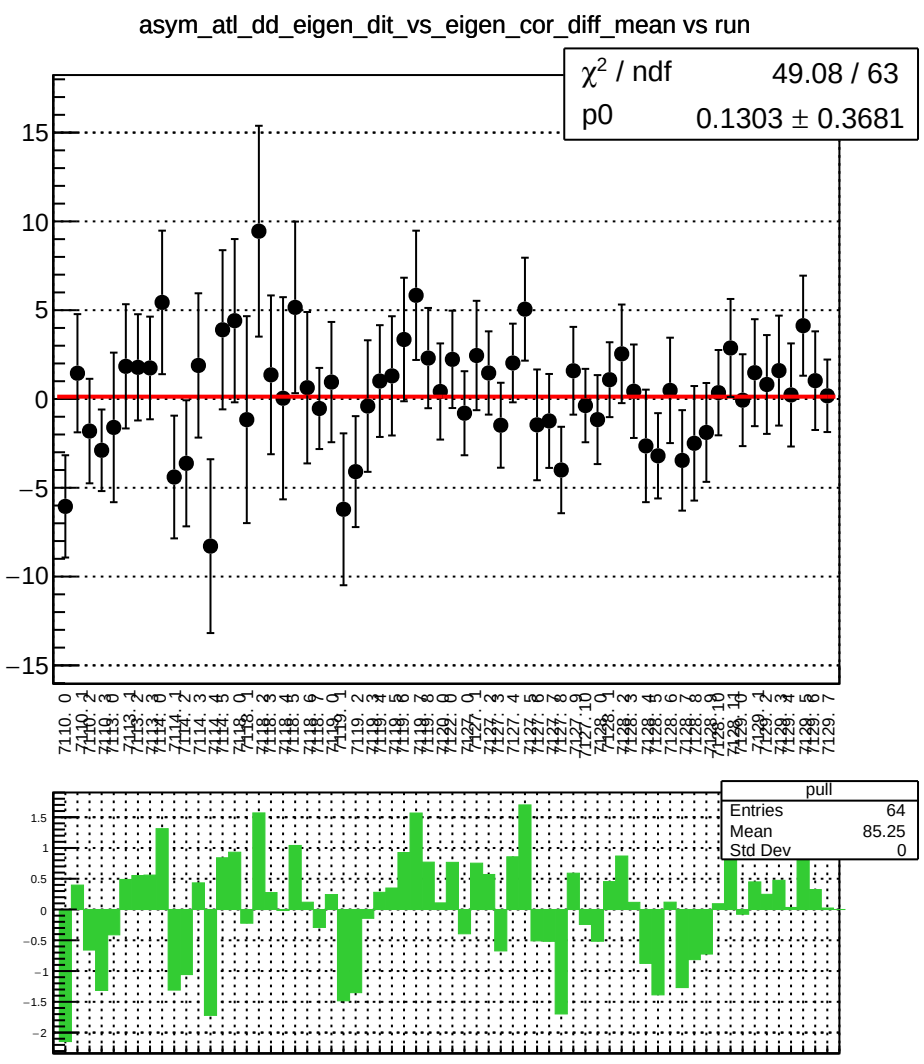

pull1D
Entries 64
Mean 0.01128
Std Dev 0.9268

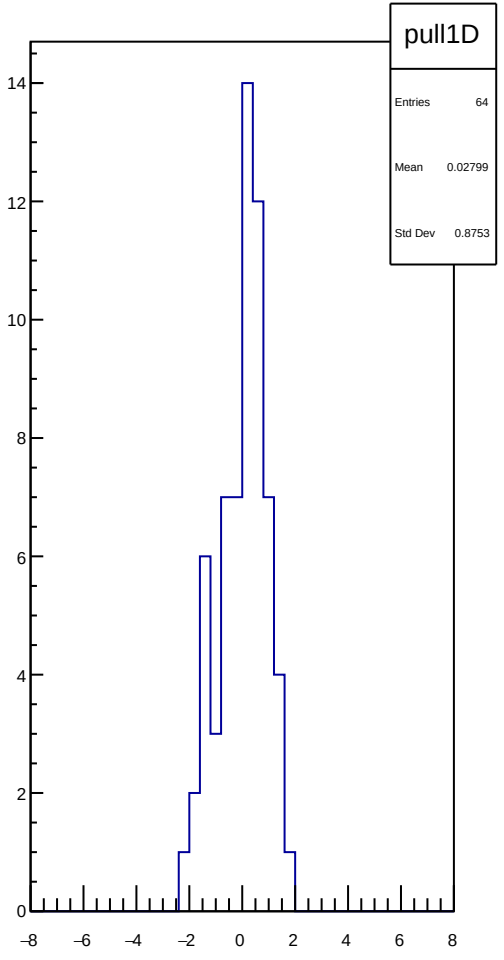

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.866e+04 / 63
p0 0.01556 ± 1.416e–05
0.021
0.02
0.019
0.018
0.017
0.016
0.015
0.014
0.013

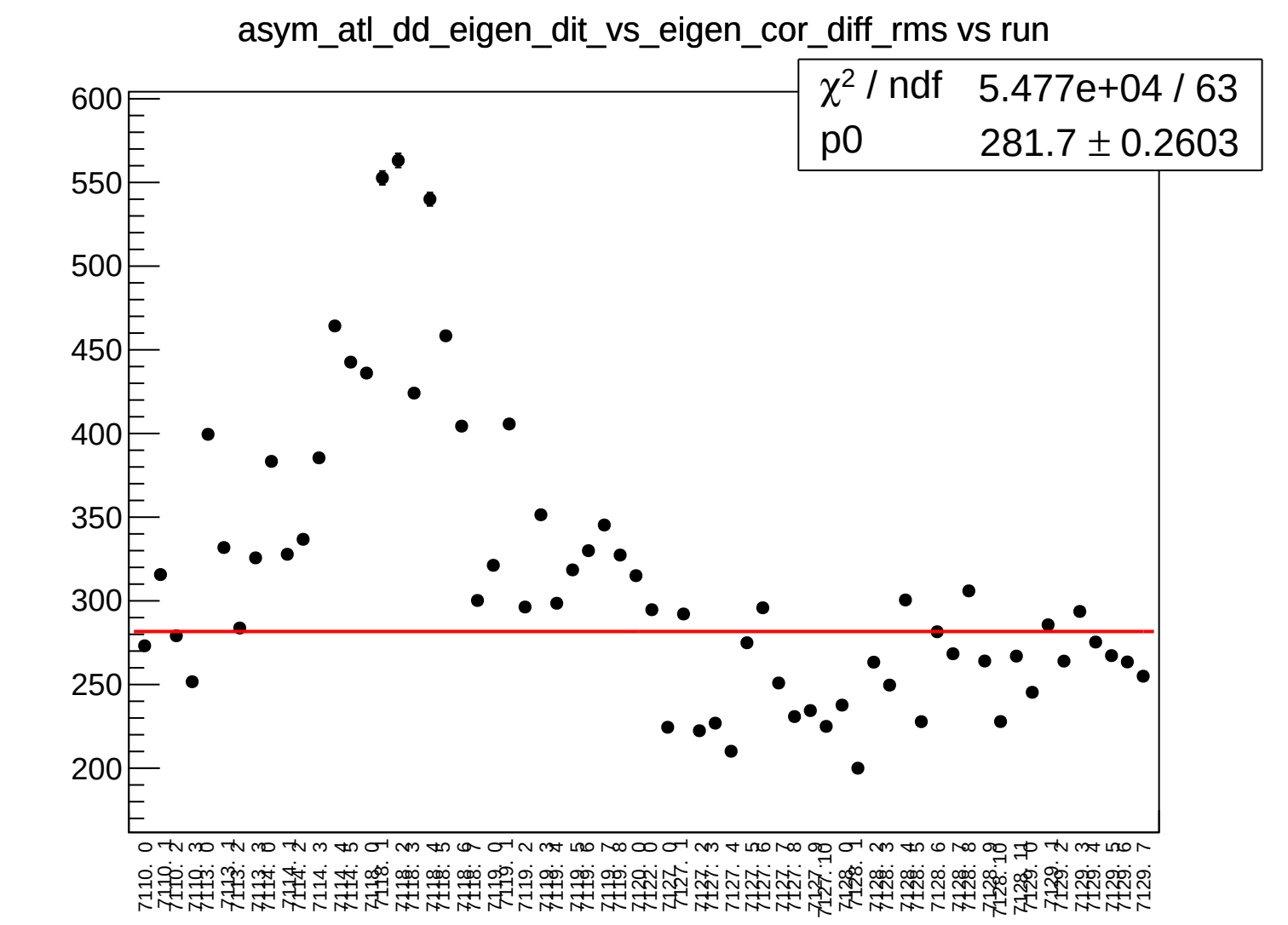

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.08 / 63
p0 0.1303 ± 0.3681
pull
Entries 64
Mean 85.25
Std Dev 0

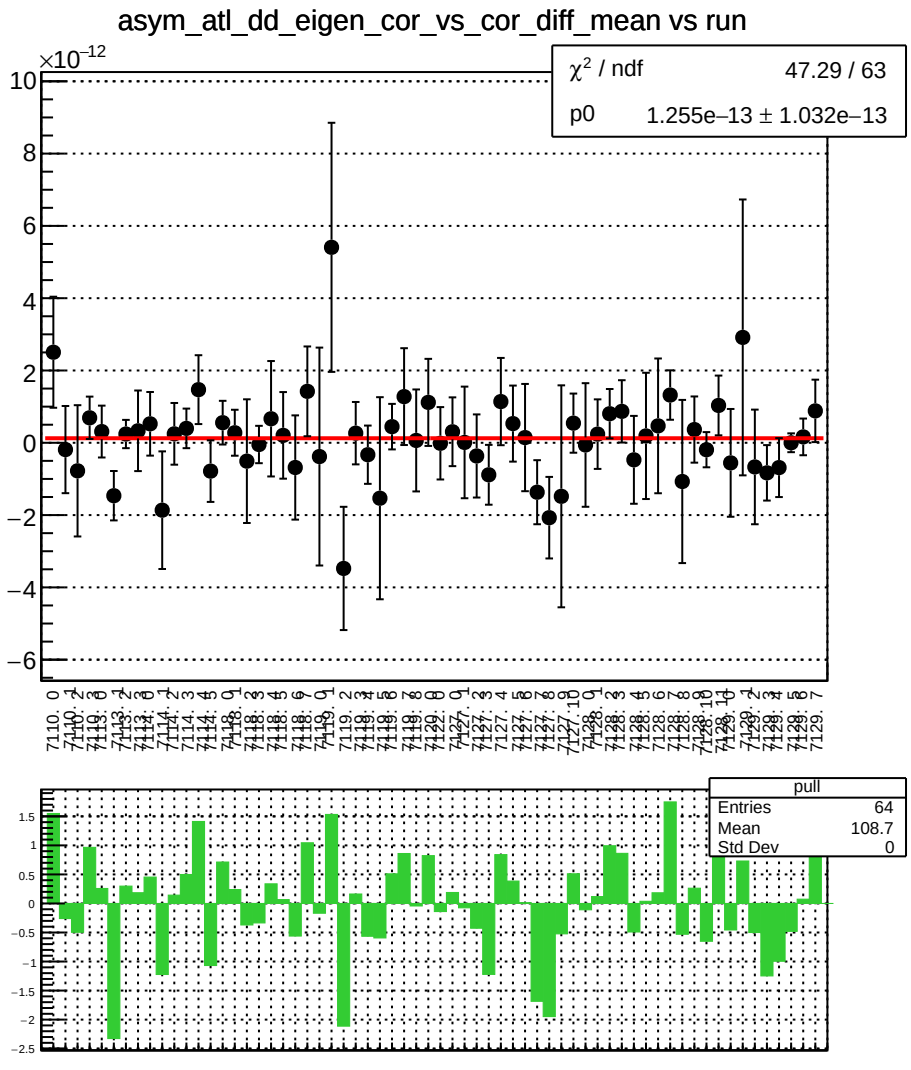

pull1D
Entries 64
Mean 0.02799
Std Dev 0.8753

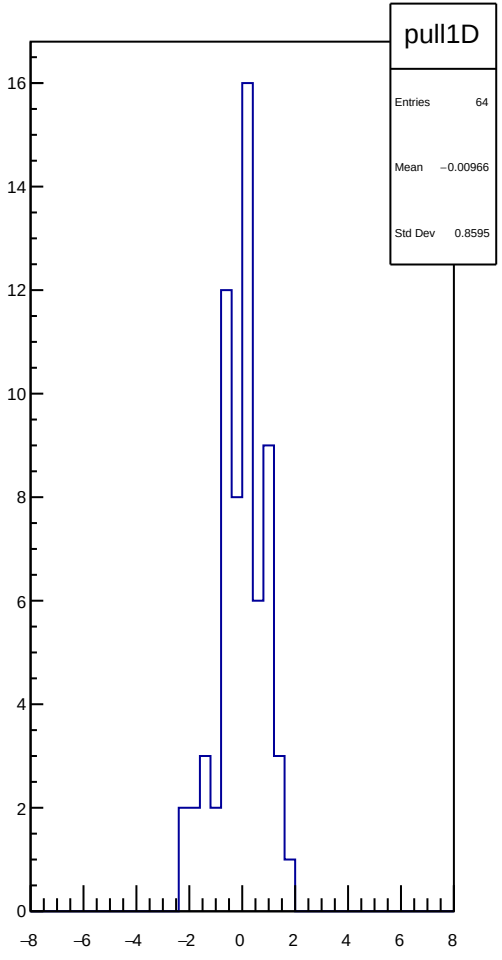

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.477e+04 / 63
p0 281.7 ± 0.2603
600
550
500
450
400
350
300
250
200

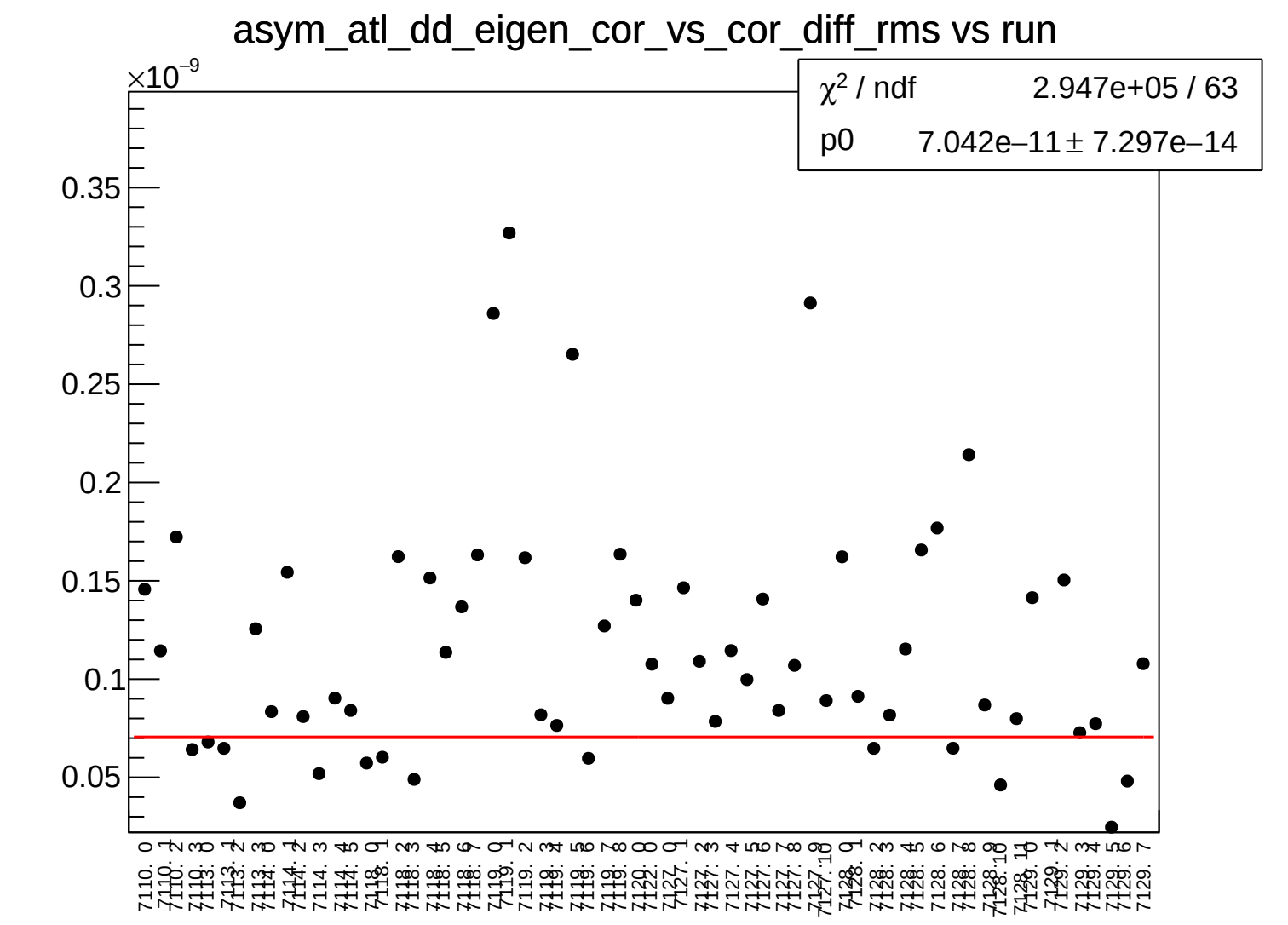

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.08 / 63
p0 0.1303 ± 0.3681
pull
Entries 64
Mean 85.25
Std Dev 0

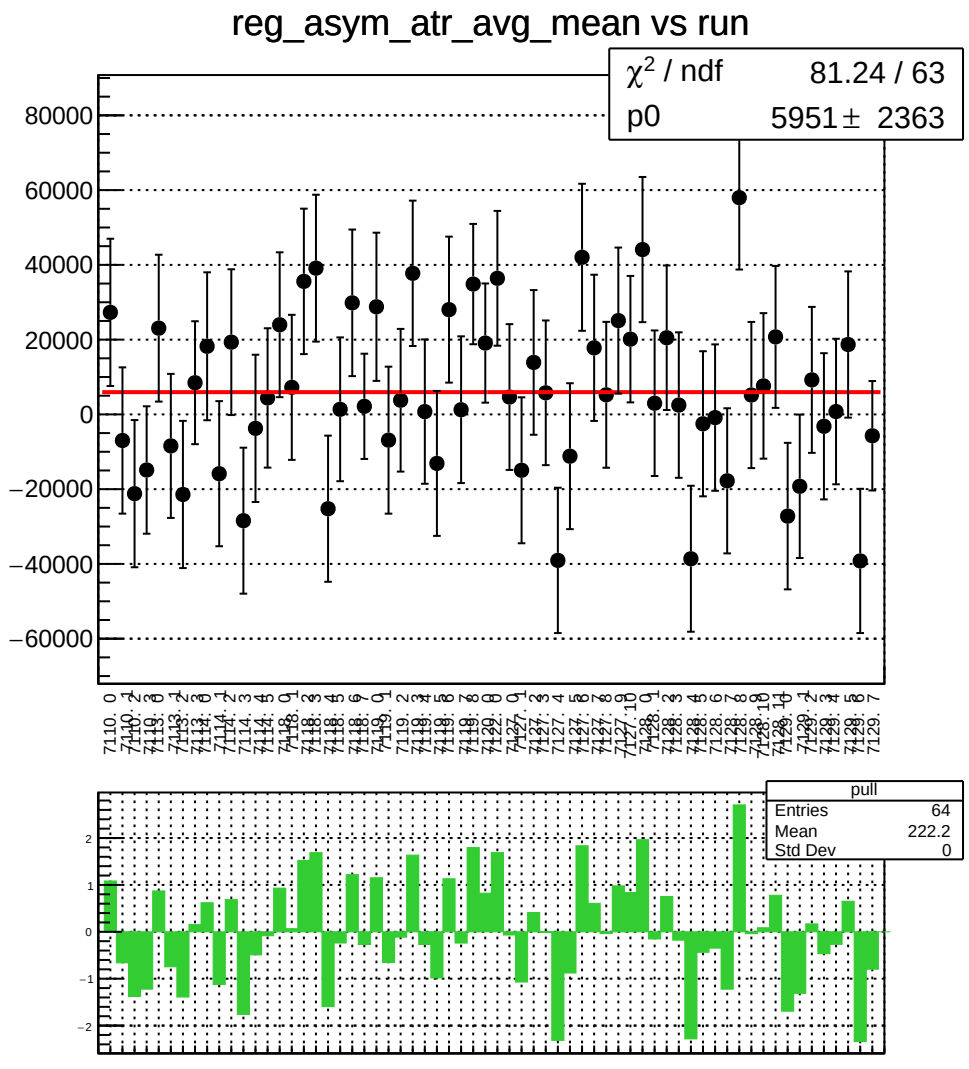

pull1D
Entries 64
Mean 0.02799
Std Dev 0.8753

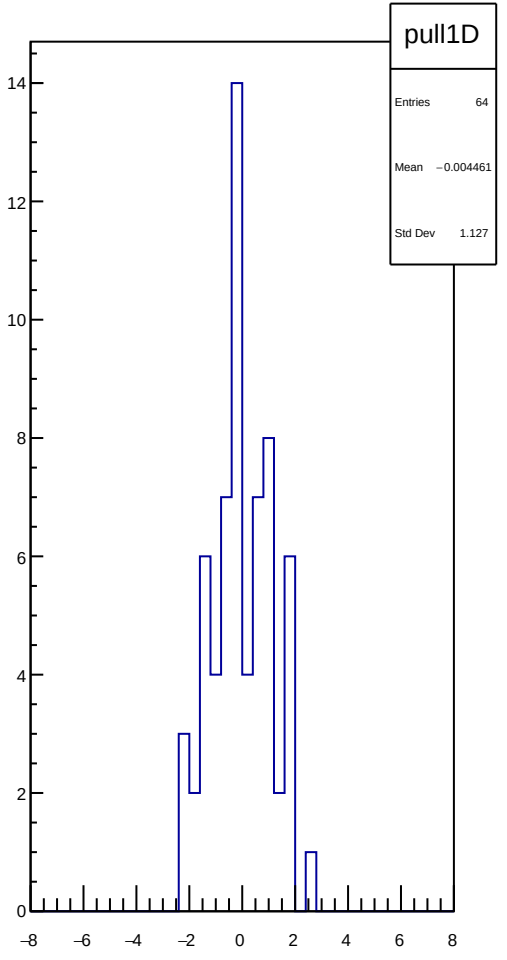

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.477e+04 / 63
p0 281.7 ± 0.2603
600
550
500
450
400
350
300
250
200

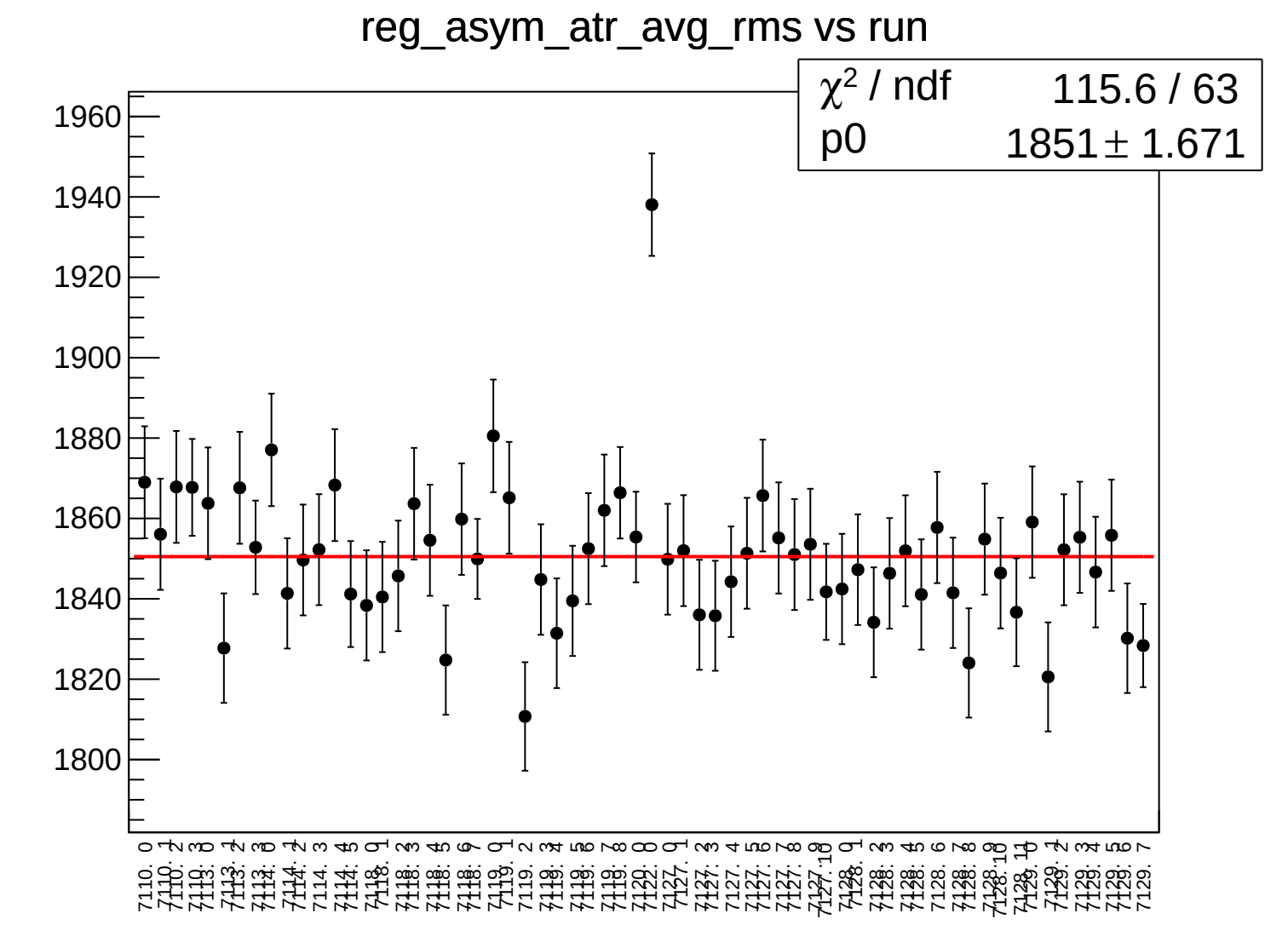

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.29 / 63
p0 1.255e−13 ± 1.032e−13
pull
Entries 64
Mean 108.7
Std Dev 0

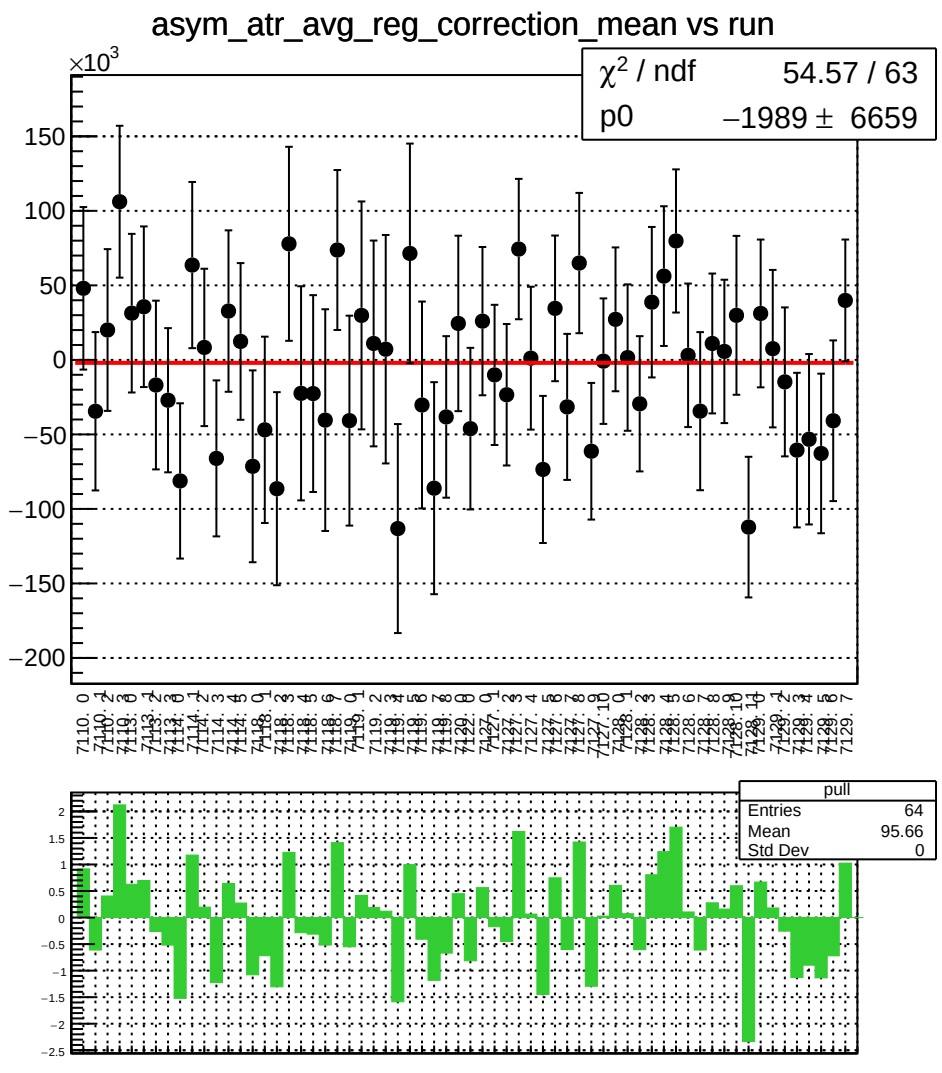

pull1D
Entries 64
Mean −0.00966
Std Dev 0.8595

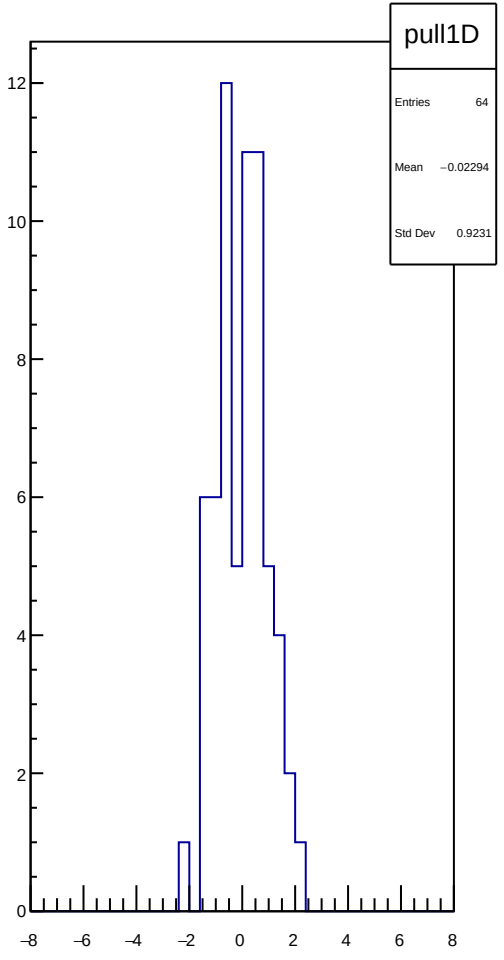

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.947e+05 / 63
p0 7.042e−11 ± 7.297e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

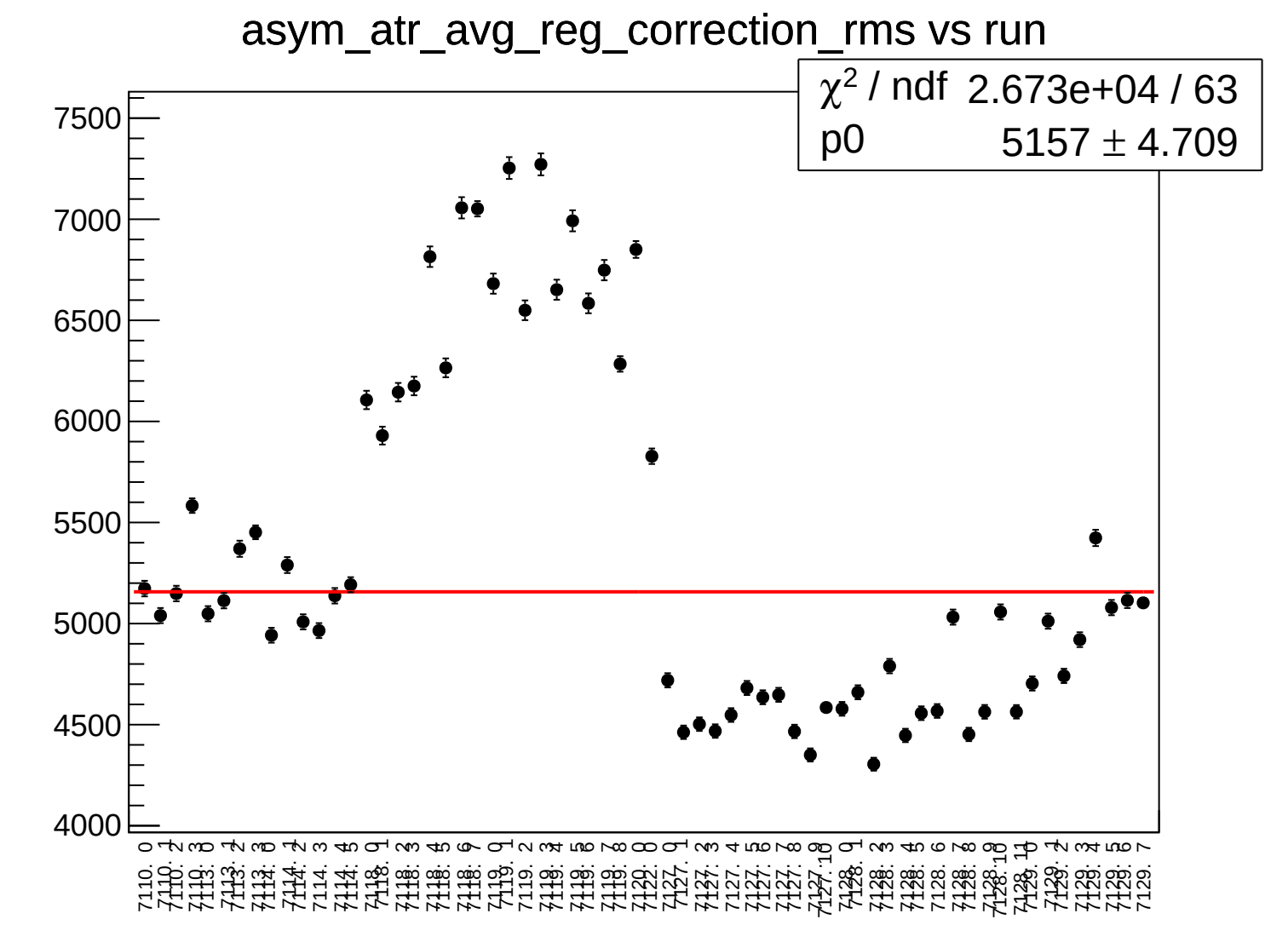

reg_asym_atr_avg_mean vs run
χ² / ndf 81.24 / 63
p0 5951 ± 2363
pull
Entries 64
Mean 222.2
Std Dev 0

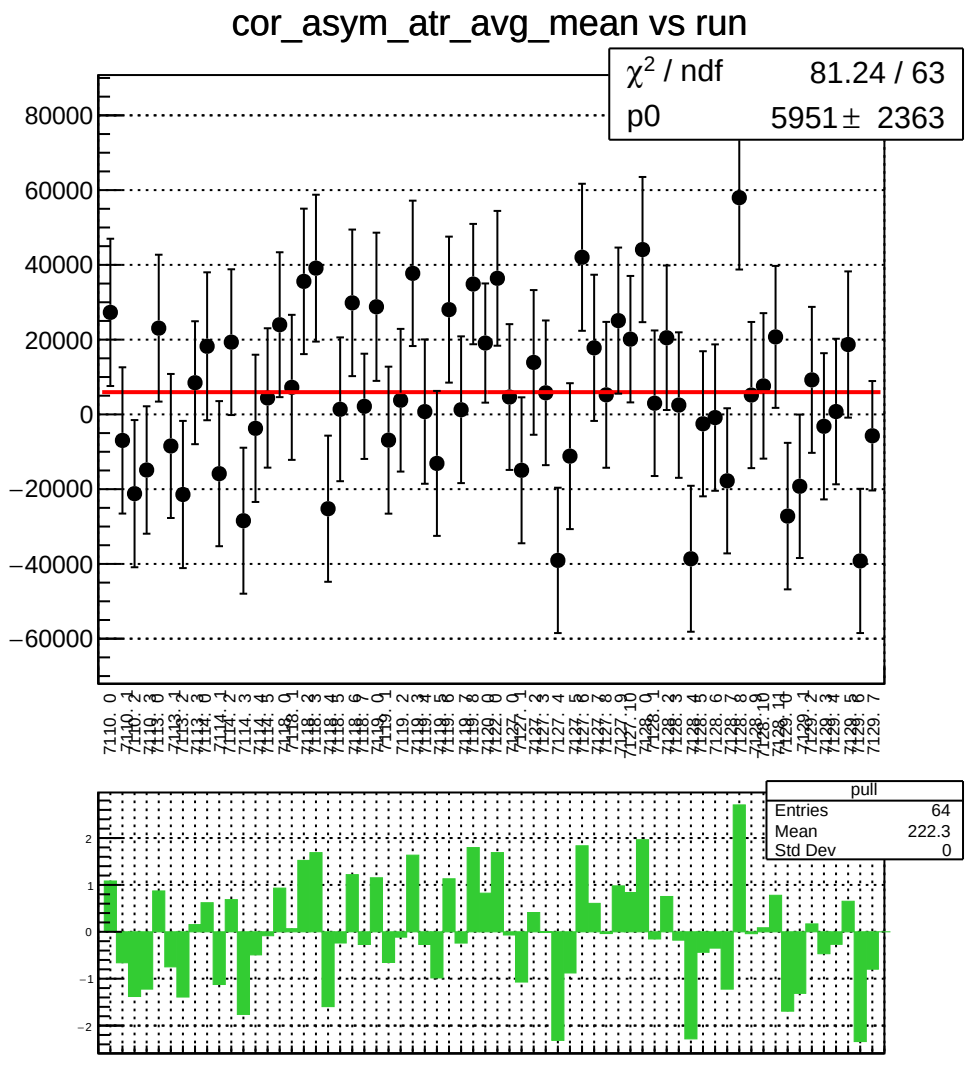

pull1D
Entries 64
Mean −0.004461
Std Dev 1.127

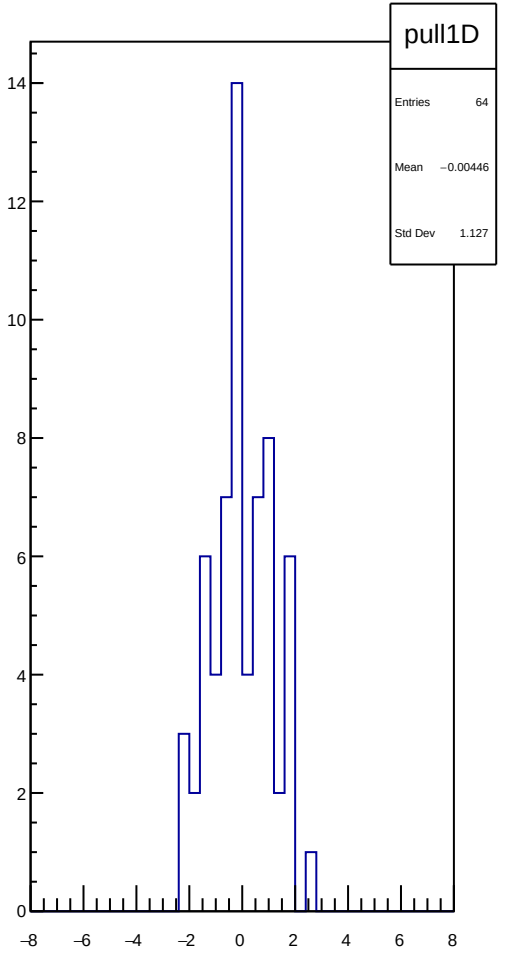

reg_asym_atr_avg_rms vs run
χ² / ndf 115.6 / 63
p0 1851 ± 1.671
1960
1940
1920
1900
1880
1860
1840
1820
1800

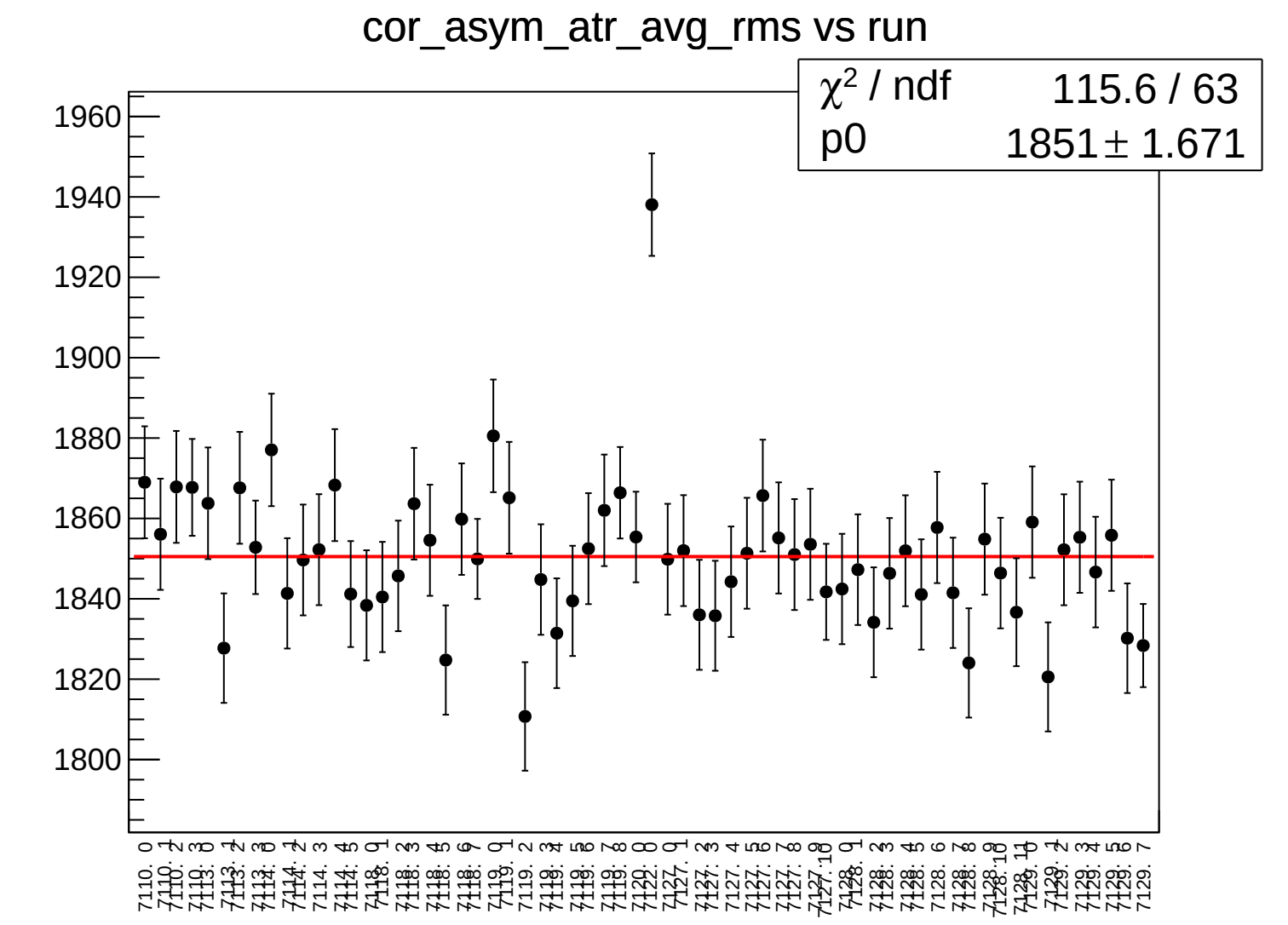

asym_atr_avg_reg_correction_mean vs run
χ² / ndf 54.57 / 63
p0 −1989 ± 6659
pull
Entries 64
Mean 95.66
Std Dev 0

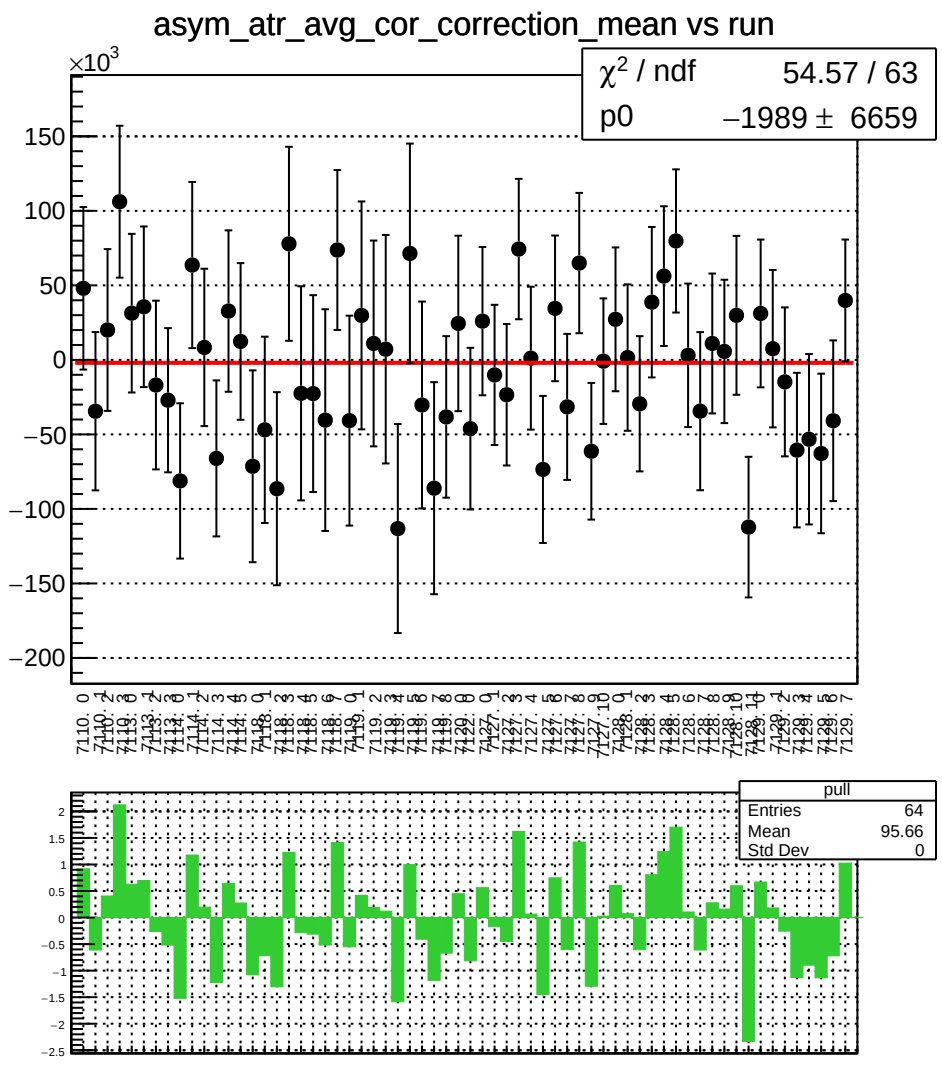

pull1D
Entries 64
Mean −0.02294
Std Dev 0.9231

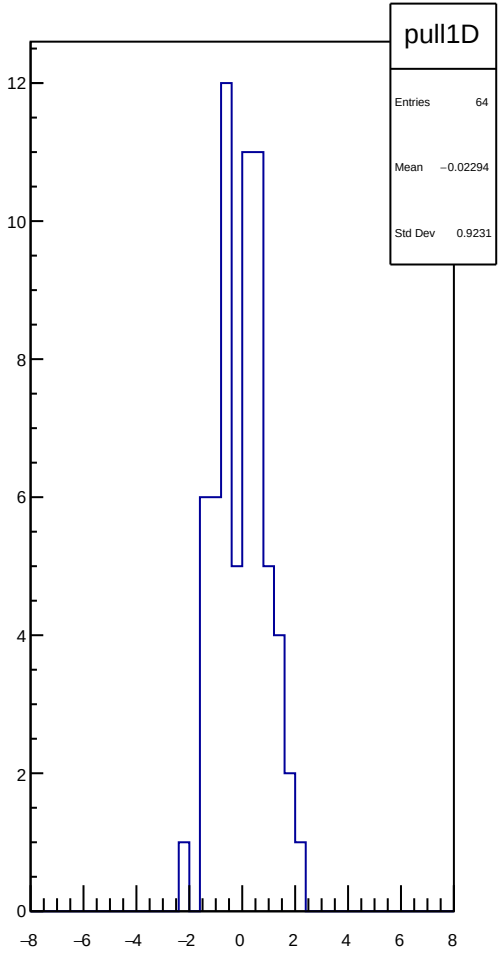

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 2.673e+04 / 63
p0 5157 ± 4.709
7500
7000
6500
6000
5500
5000
4500
4000

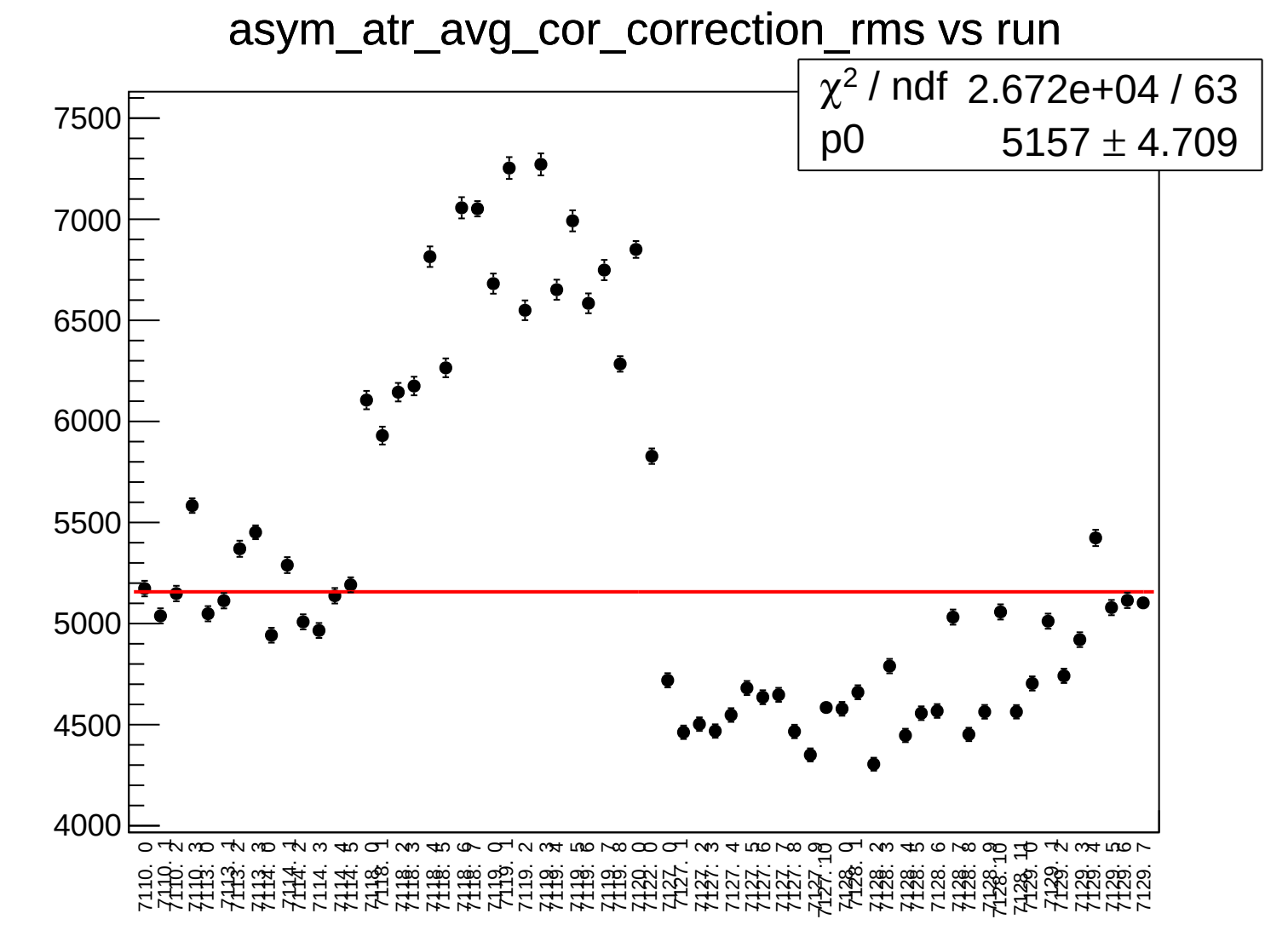

cor_asym_atr_avg_mean vs run
χ² / ndf 81.24 / 63
p0 5951 ± 2363
pull
Entries 64
Mean 222.3
Std Dev 0

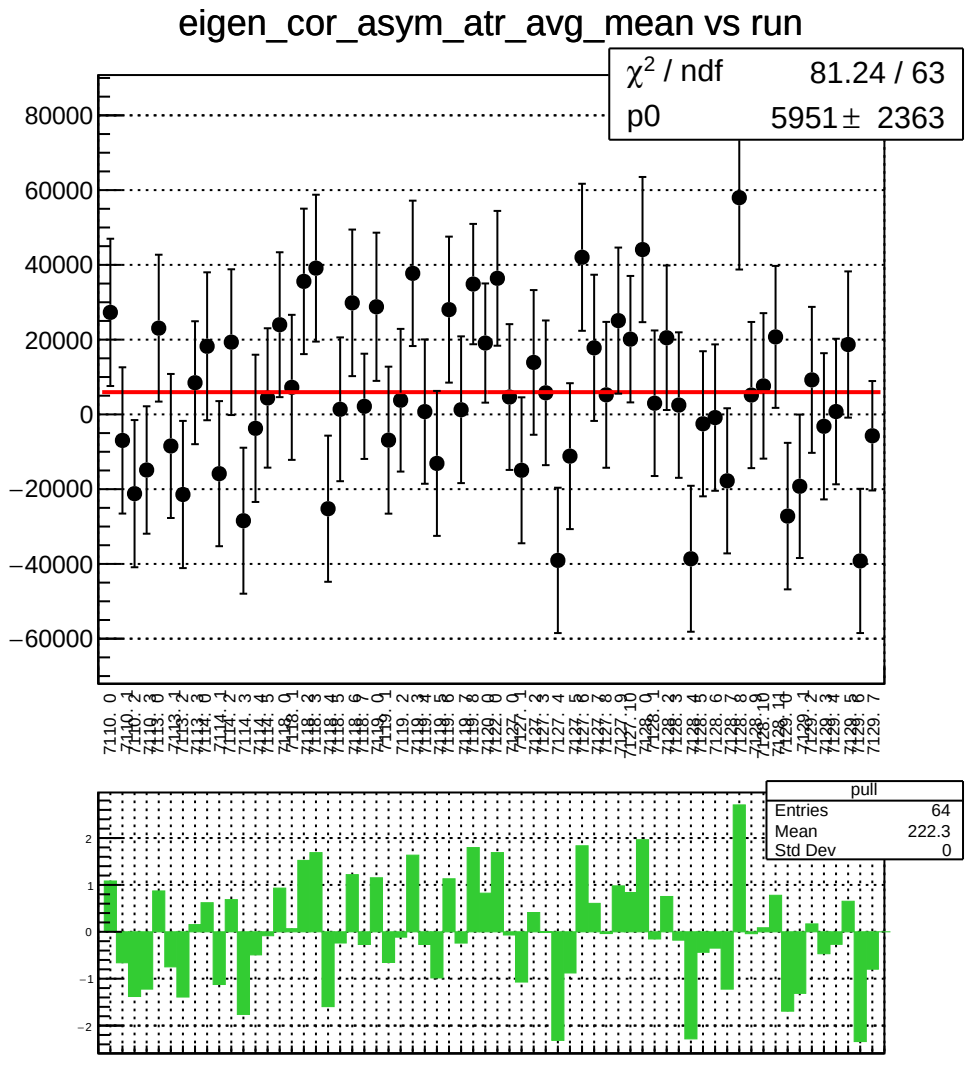

pull1D
Entries 64
Mean −0.00446
Std Dev 1.127

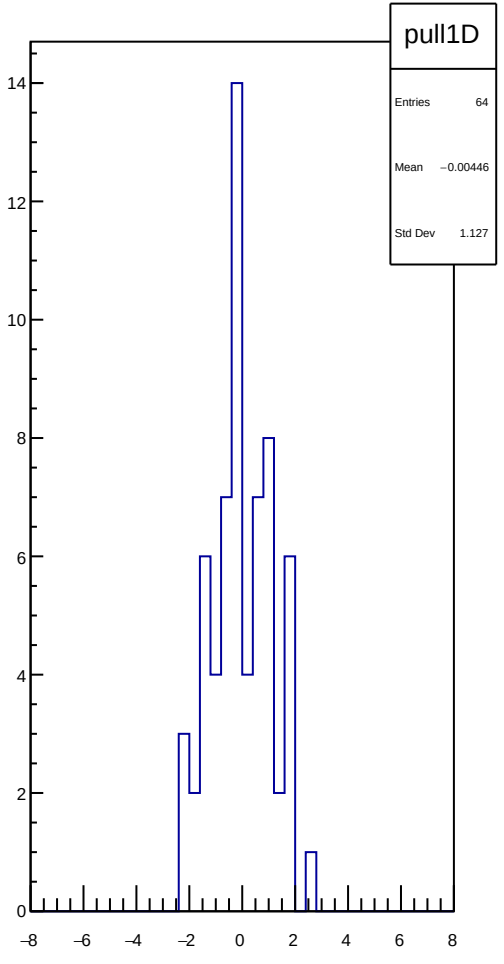

cor_asym_atr_avg_rms vs run
χ² / ndf 115.6 / 63
p0 1851 ± 1.671
1960
1940
1920
1900
1880
1860
1840
1820
1800

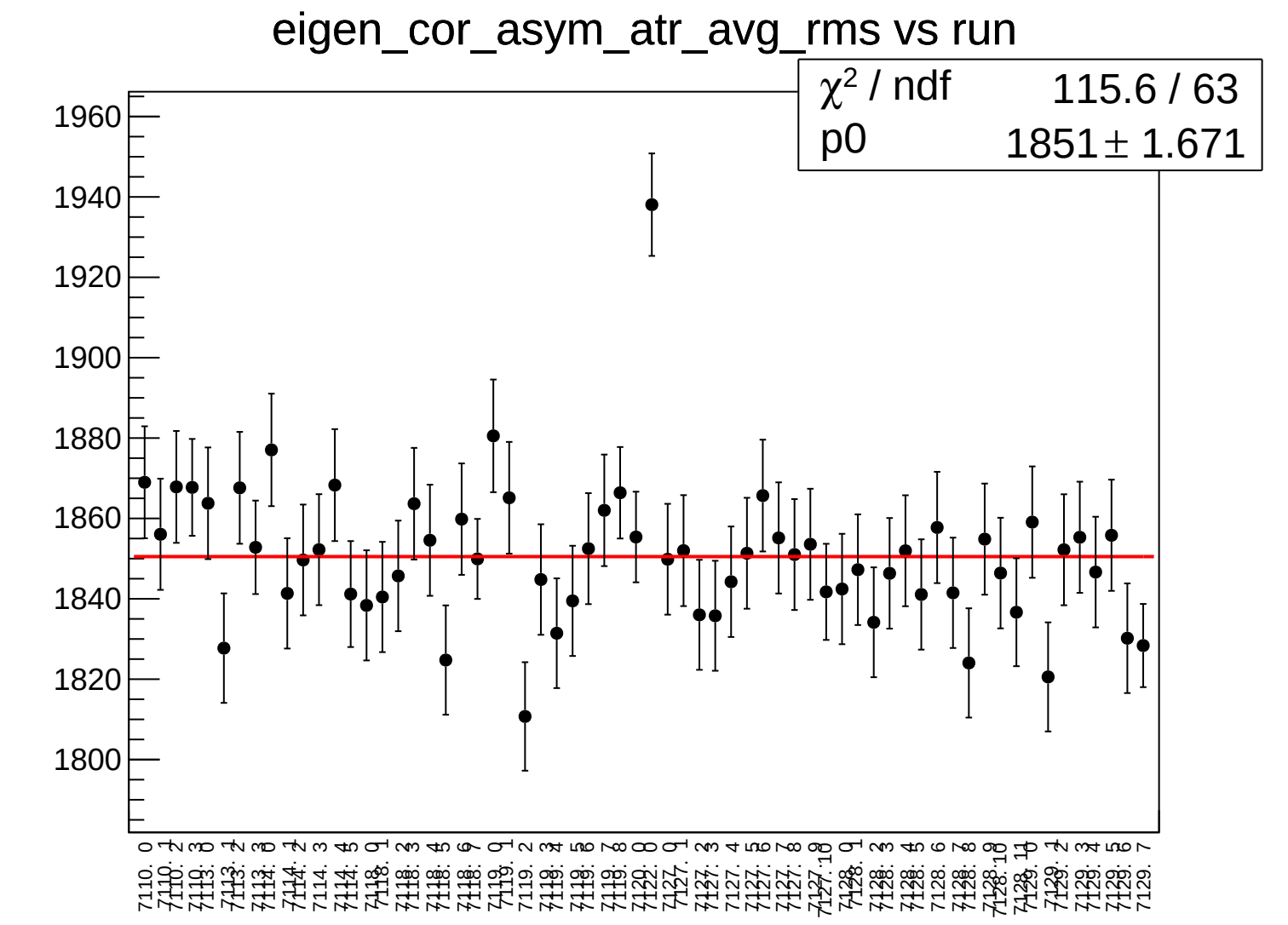

asym_atr_avg_cor_correction_mean vs run
χ² / ndf 54.57 / 63
p0 −1989 ± 6659
pull
Entries 64
Mean 95.66
Std Dev 0

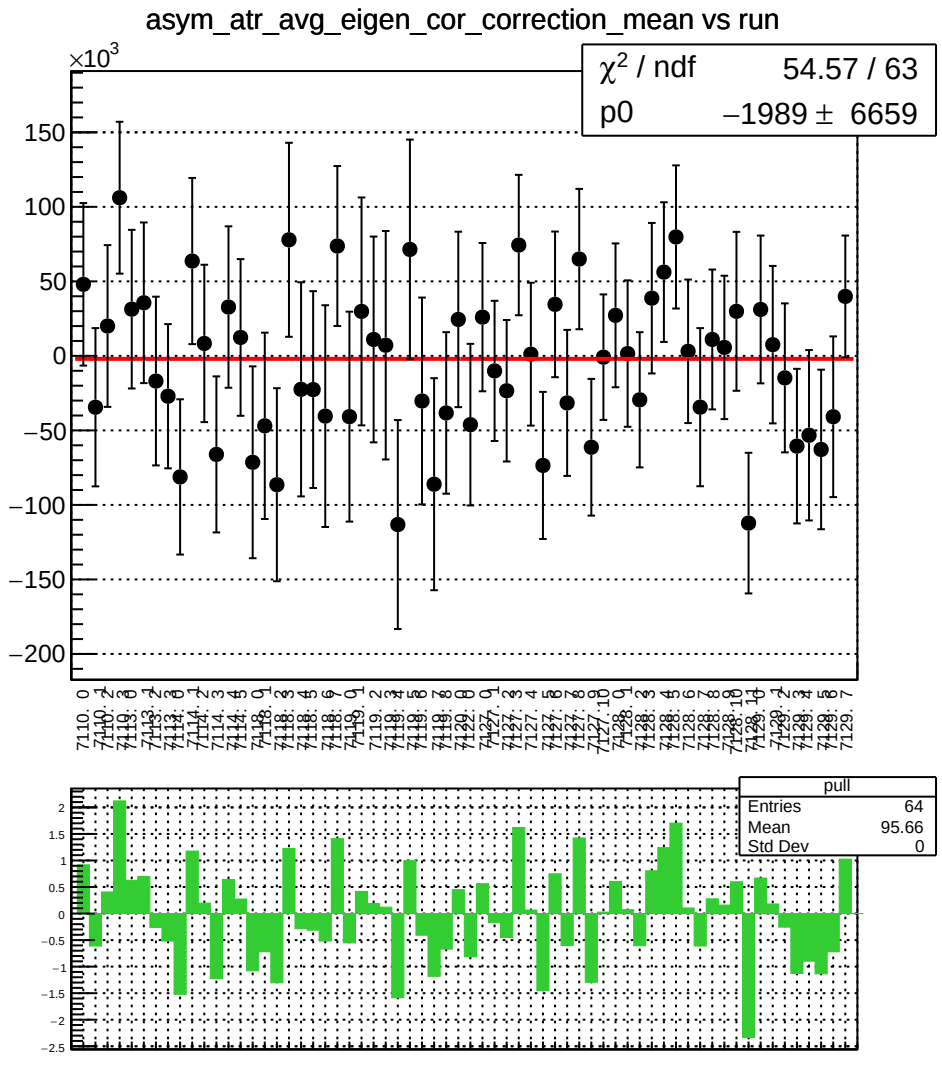

pull1D
Entries 64
Mean −0.02294
Std Dev 0.9231

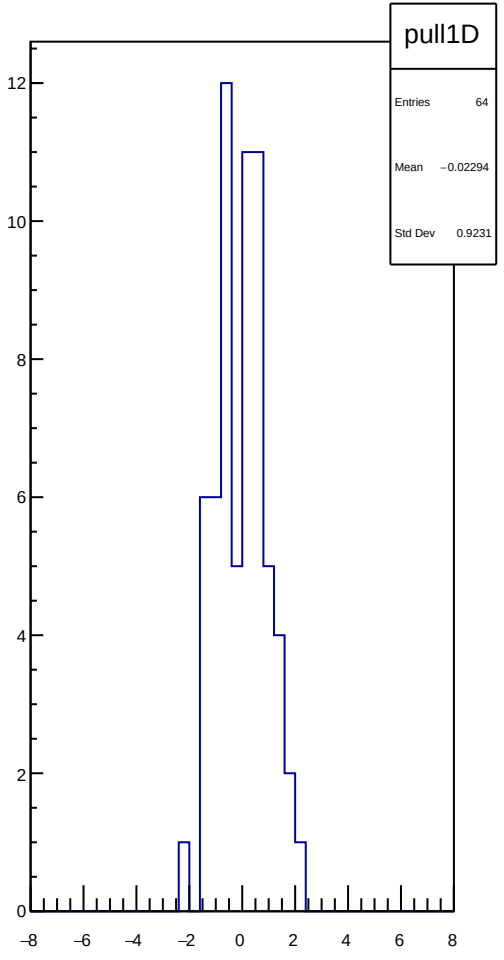

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 2.672e+04 / 63
p0 5157 ± 4.709
7500
7000
6500
6000
5500
5000
4500
4000

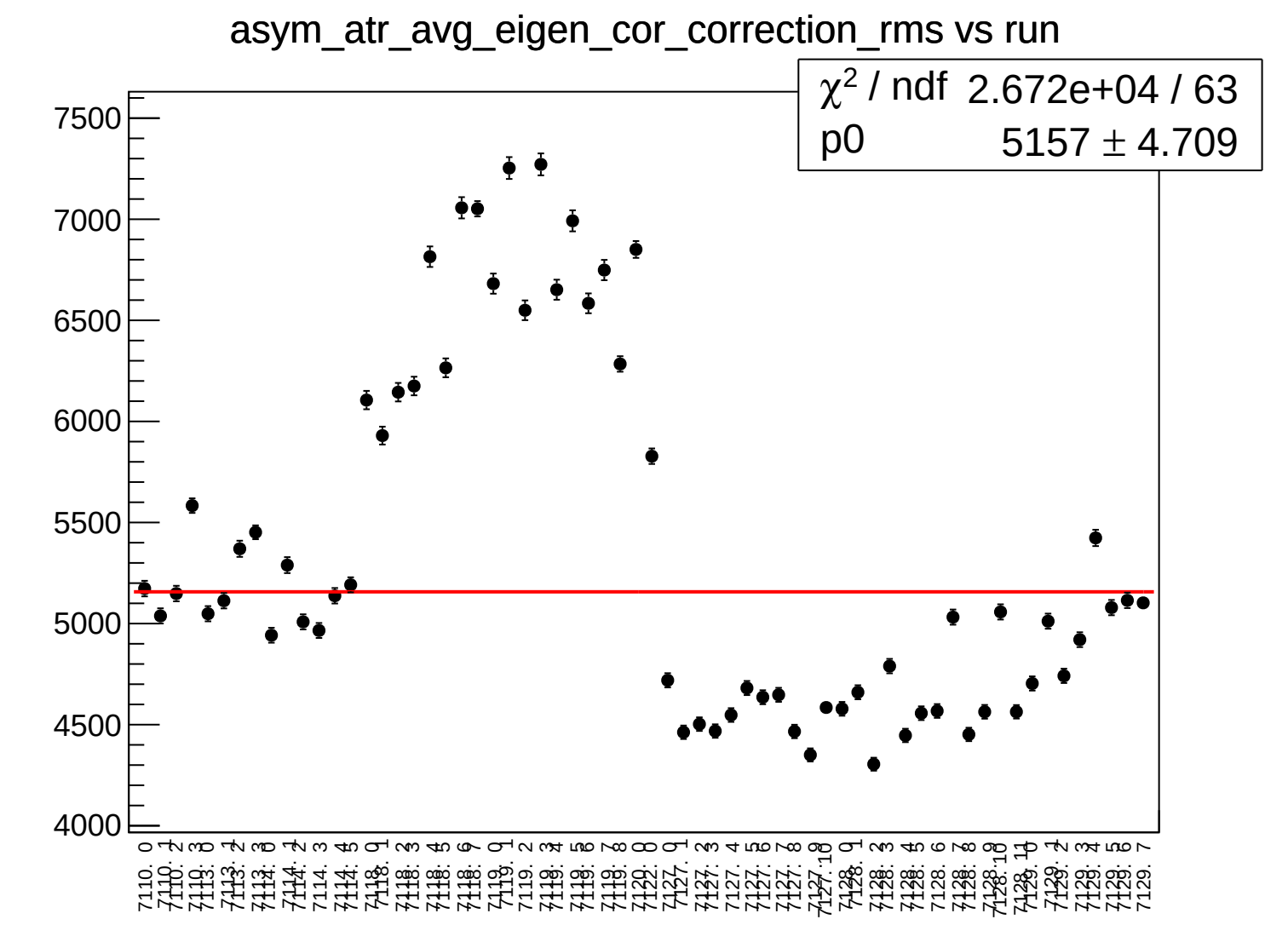

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 81.24 / 63
p0 5951 ± 2363
pull
Entries 64
Mean 222.3
Std Dev 0

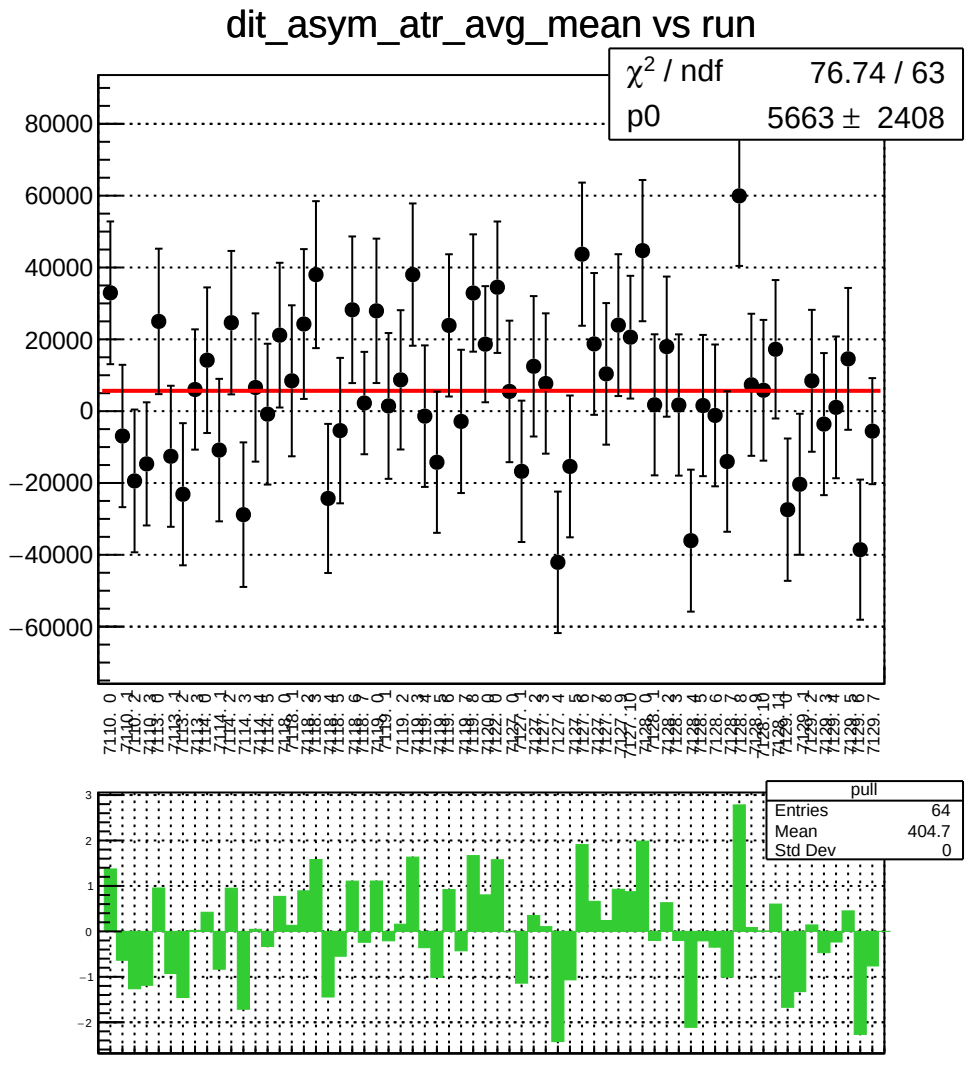

pull1D
Entries 64
Mean −0.00446
Std Dev 1.127

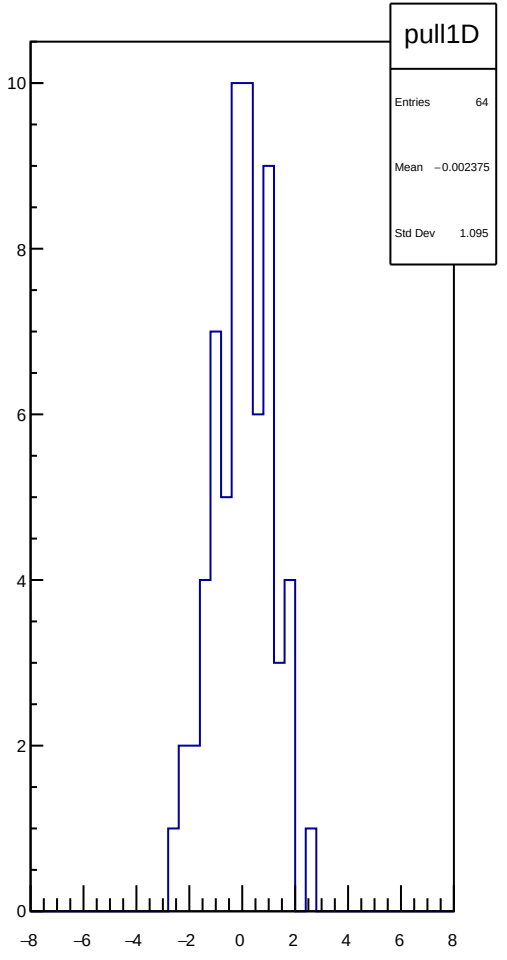

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 115.6 / 63
p0 1851 ± 1.671
1960
1940
1920
1900
1880
1860
1840
1820
1800

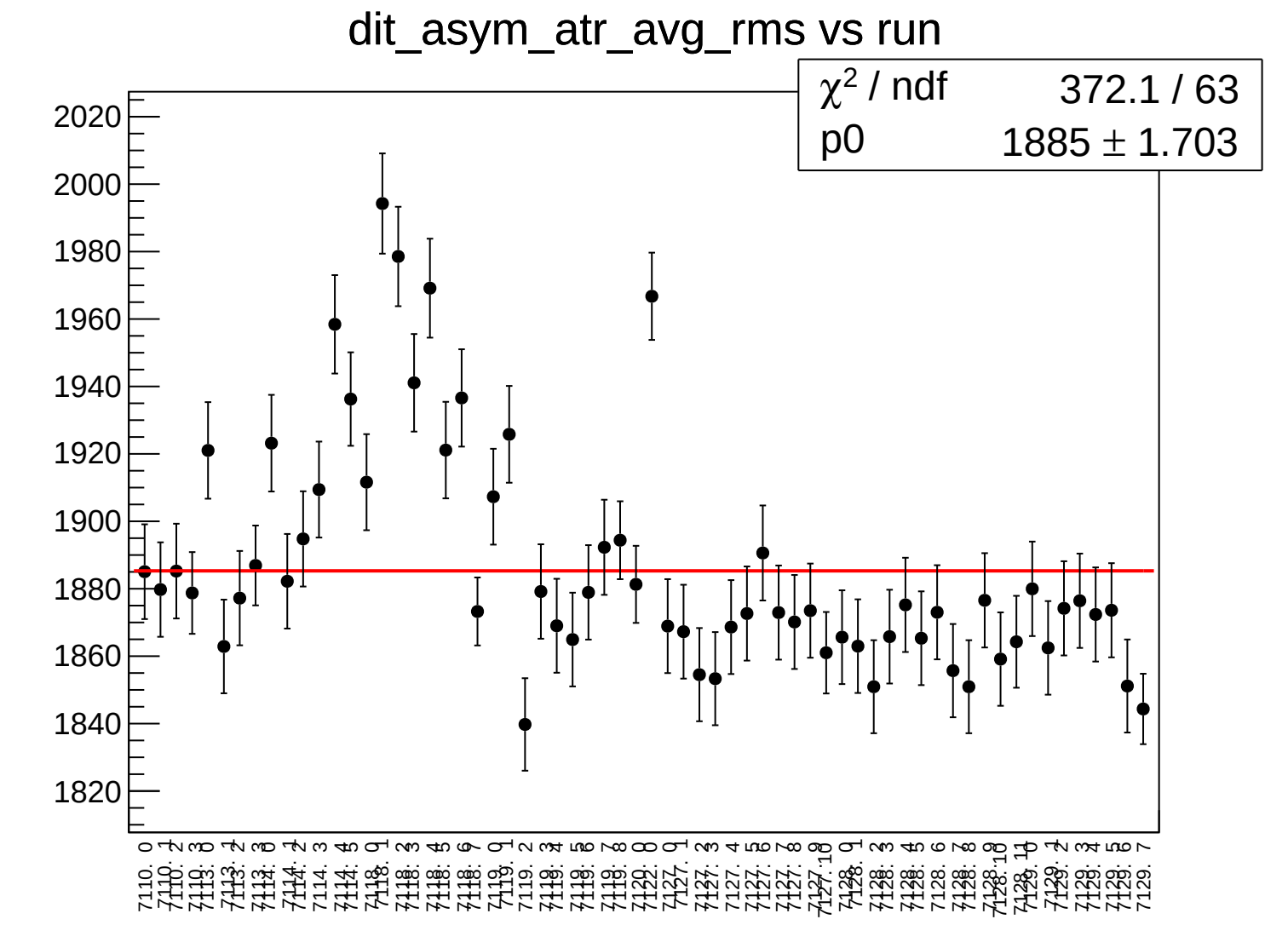

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.57 / 63
p0 −1989 ± 6659
pull
Entries 64
Mean 95.66
Std Dev 0

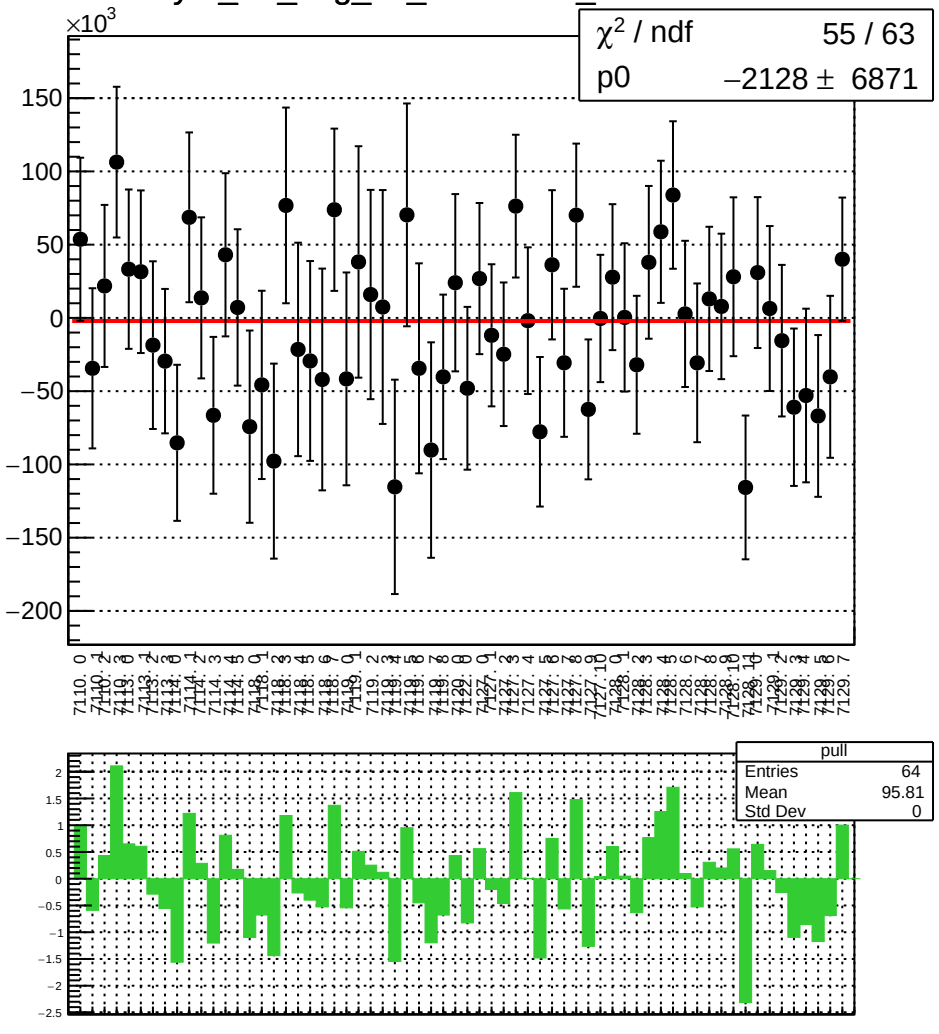

pull1D
Entries 64
Mean −0.02294
Std Dev 0.9231

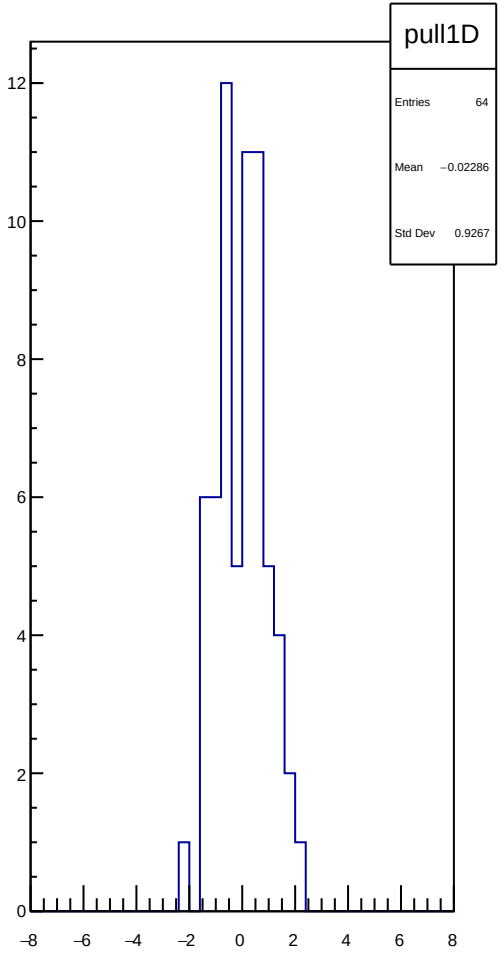

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.672e+04 / 63
p0 5157 ± 4.709
7500
7000
6500
6000
5500
5000
4500
4000

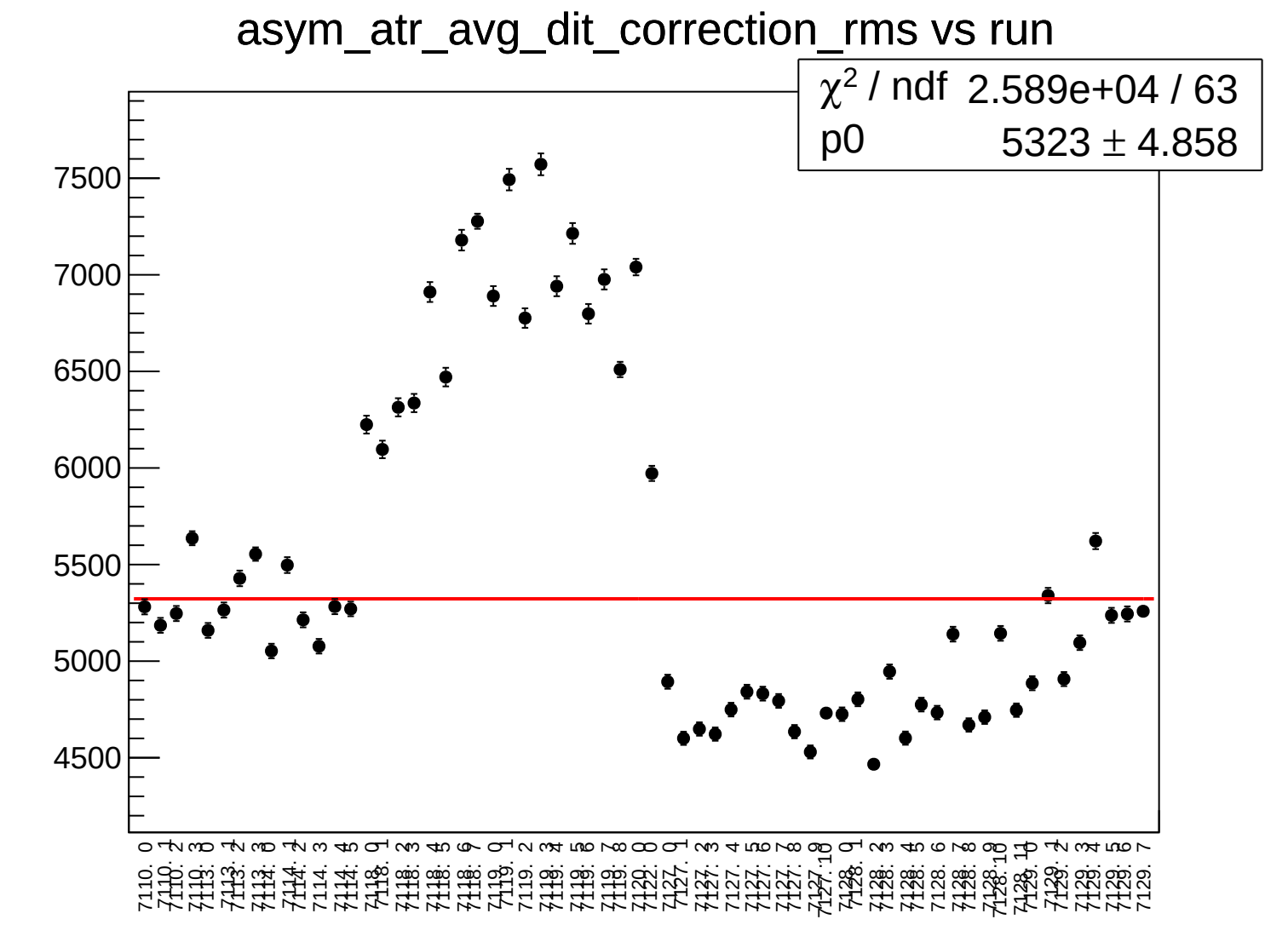

dit_asym_atr_avg_mean vs run
χ² / ndf 76.74 / 63
p0 5663 ± 2408
pull
Entries 64
Mean 404.7
Std Dev 0

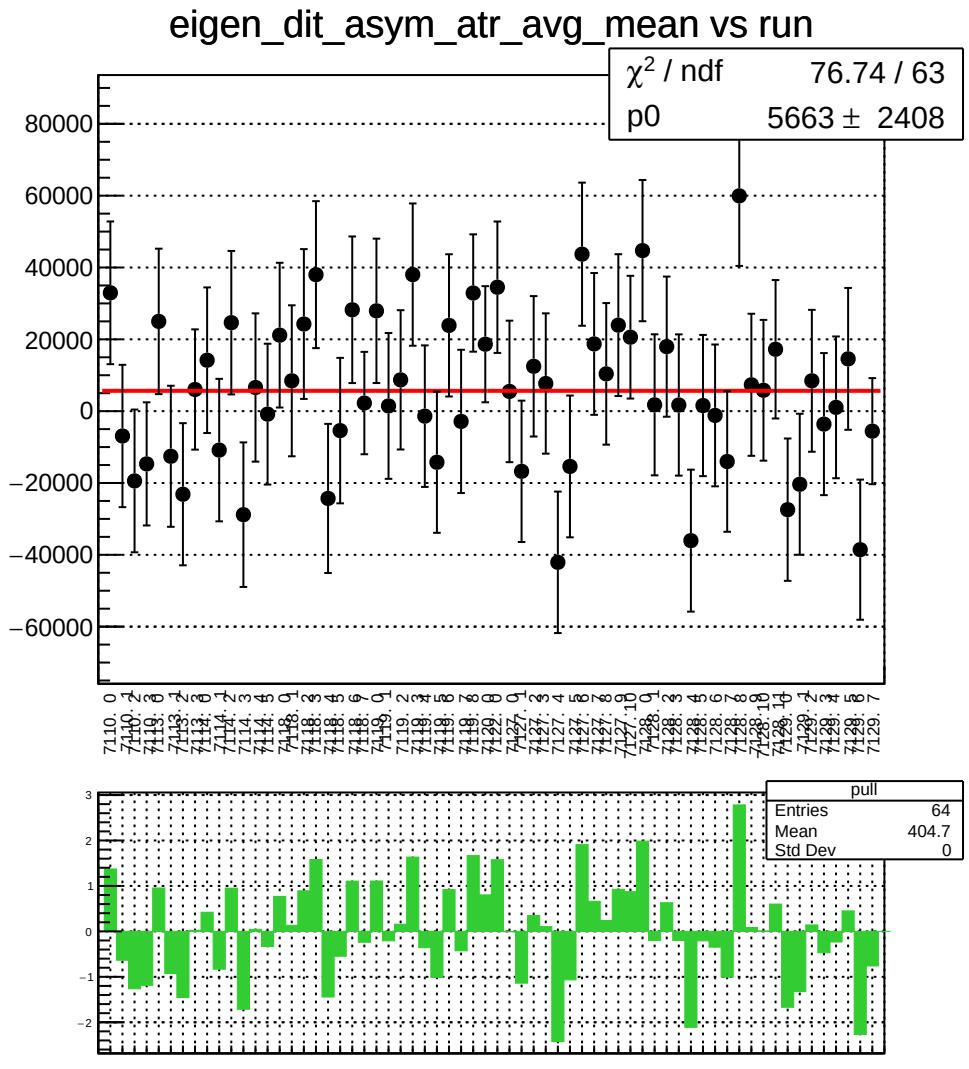

pull1D
Entries 64
Mean −0.002375
Std Dev 1.095

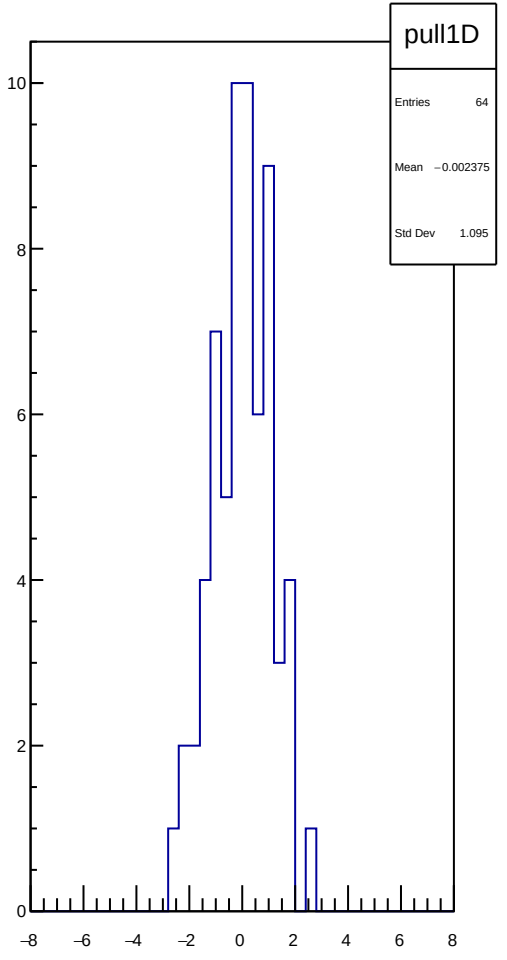

dit_asym_atr_avg_rms vs run
χ² / ndf 372.1 / 63
p0 1885 ± 1.703
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

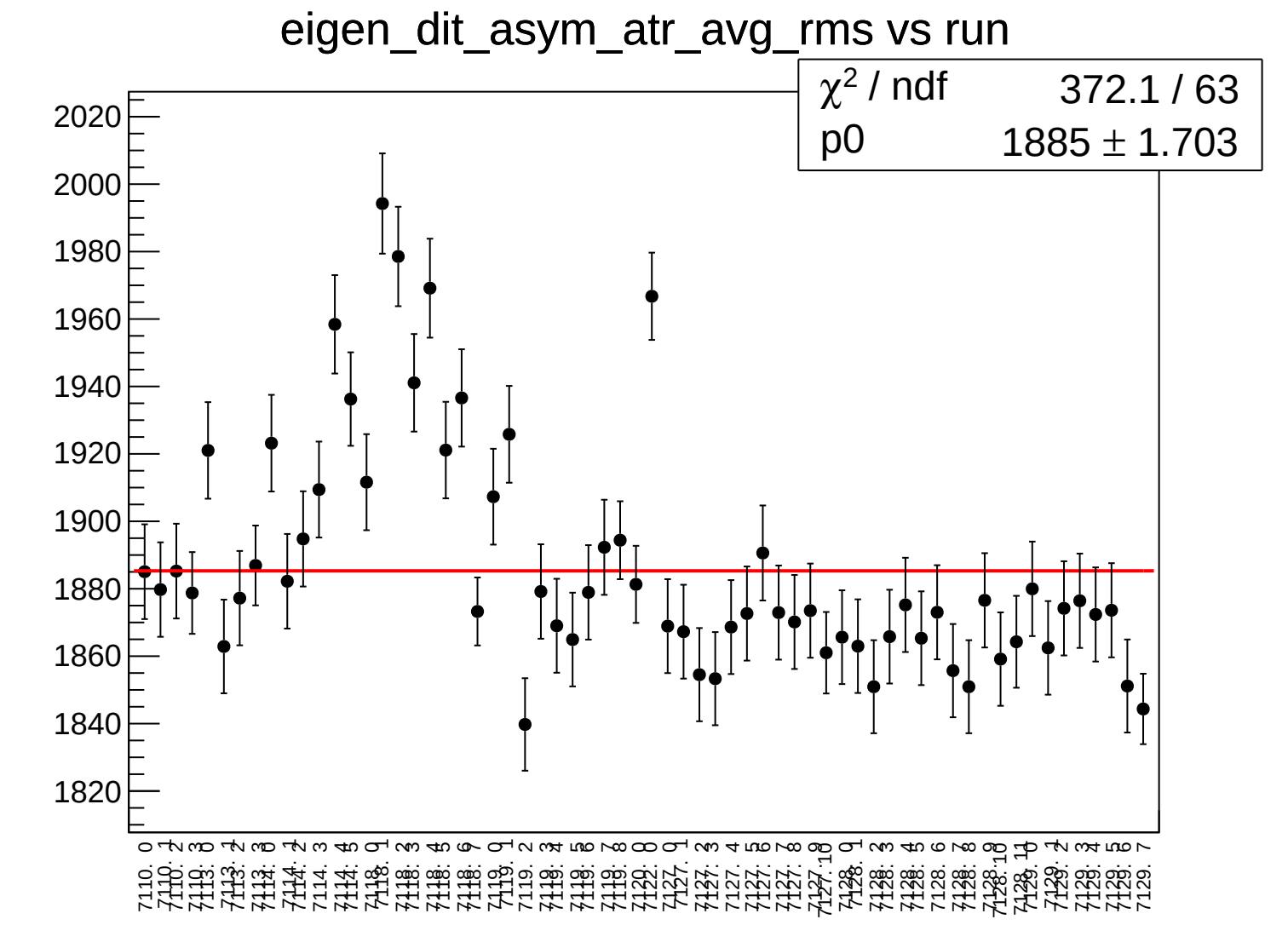

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55 / 63
p0 −2128 ± 6871
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 95.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

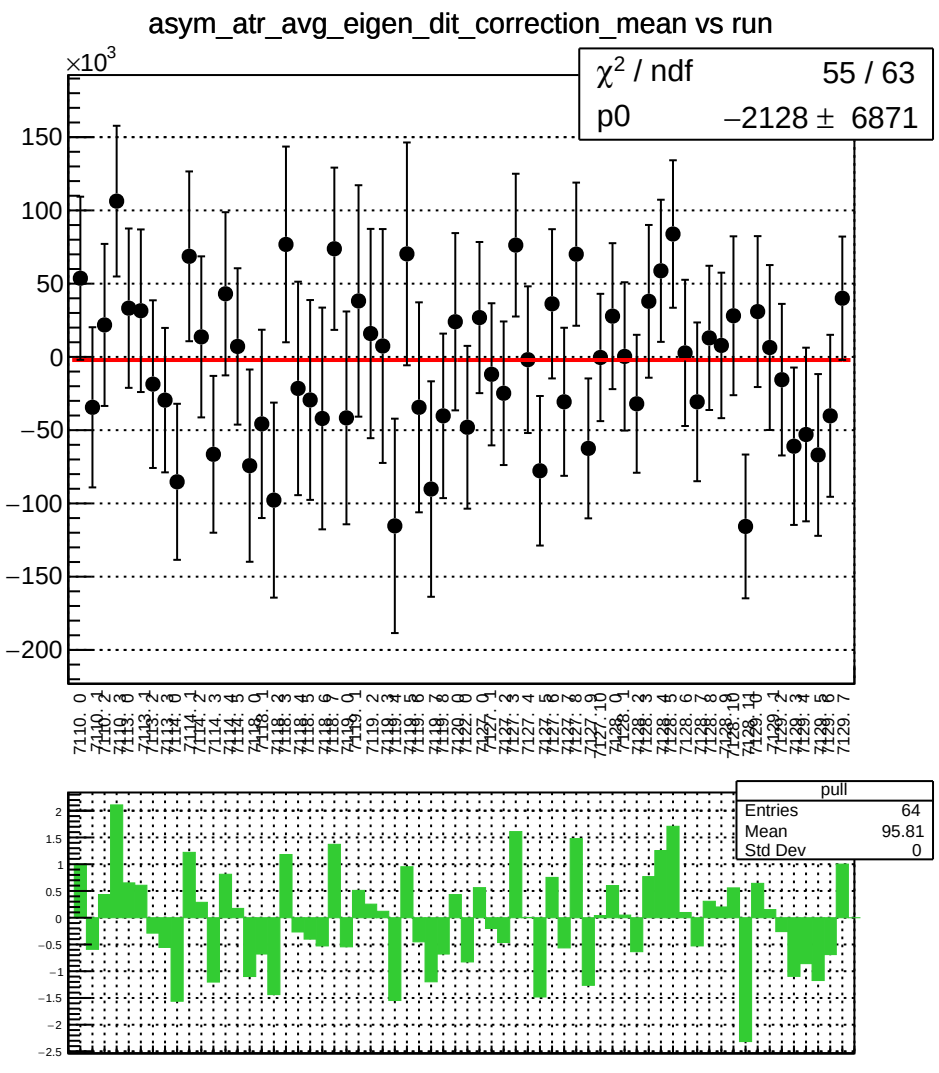

pull1D
Entries 64
Mean −0.02286
Std Dev 0.9267
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

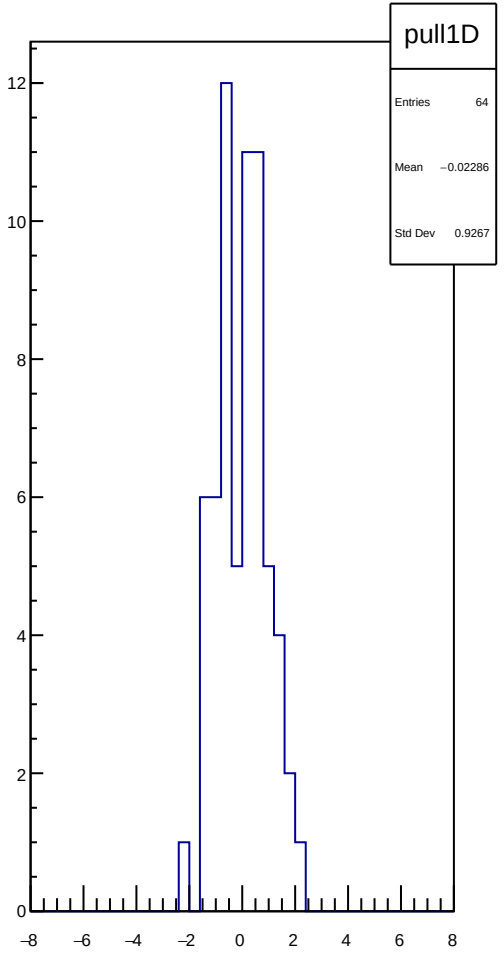

asym_atr_avg_dit_correction_rms vs run
χ^2 / ndf 2.589e+04 / 63
p0 5323 ± 4.858
7500
7000
6500
6000
5500
5000
4500

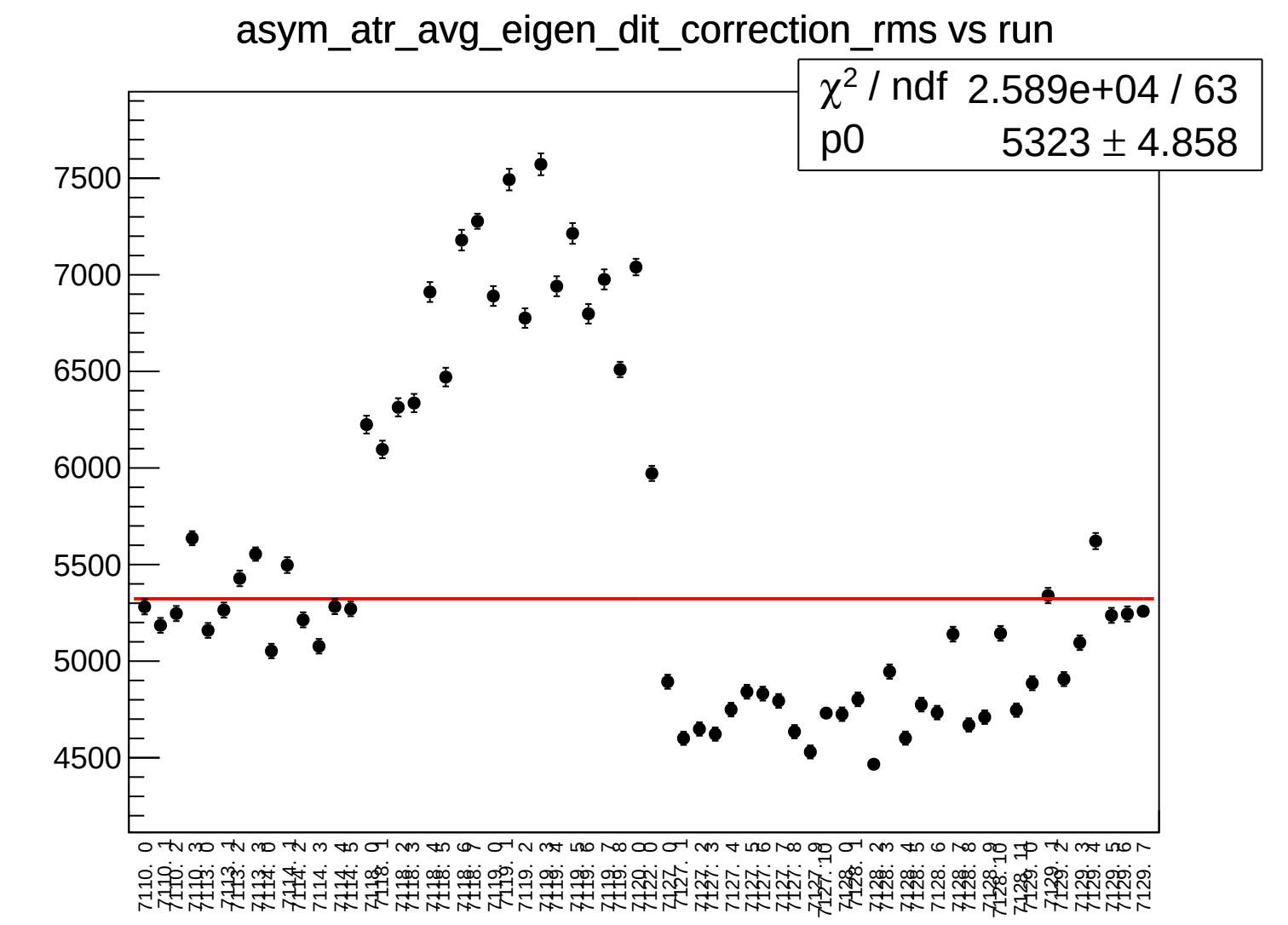

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 76.74 / 63
p0 5663 ± 2408
pull
Entries 64
Mean 404.7
Std Dev 0

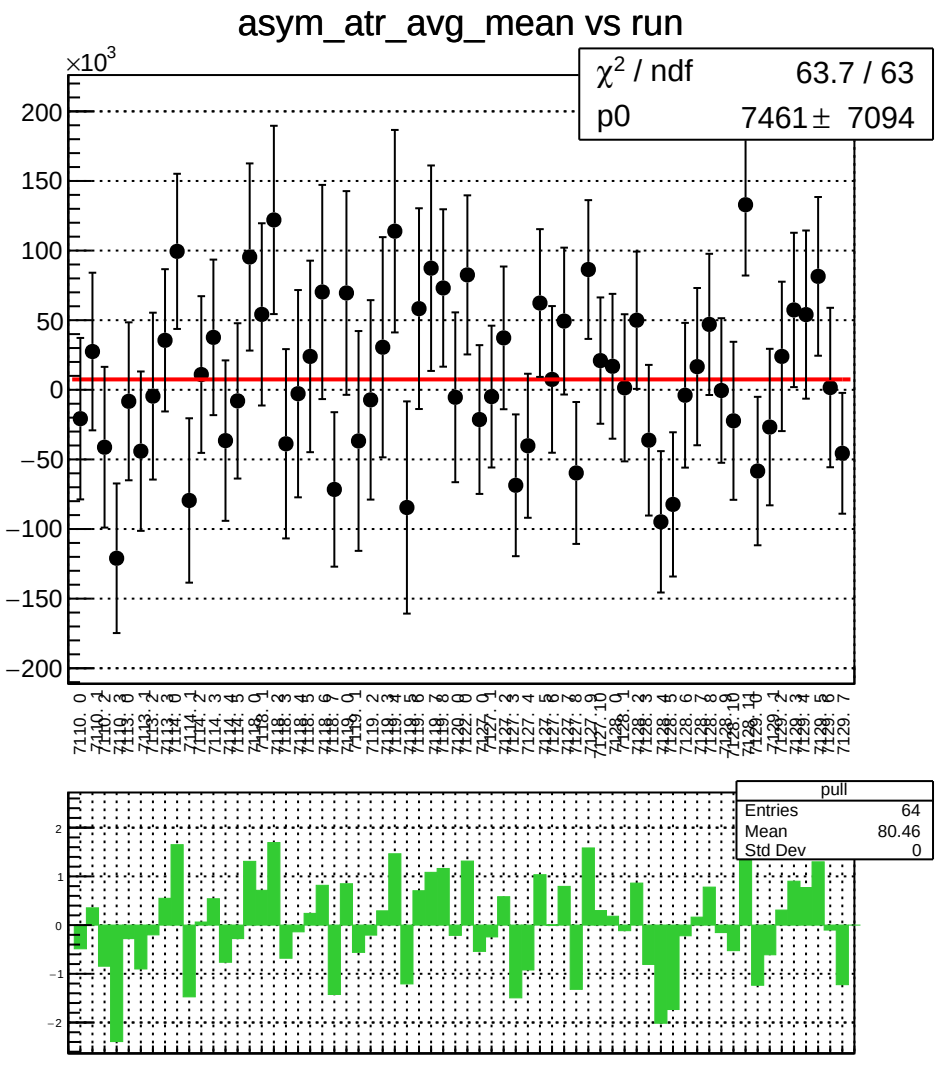

pull1D
Entries 64
Mean −0.002375
Std Dev 1.095

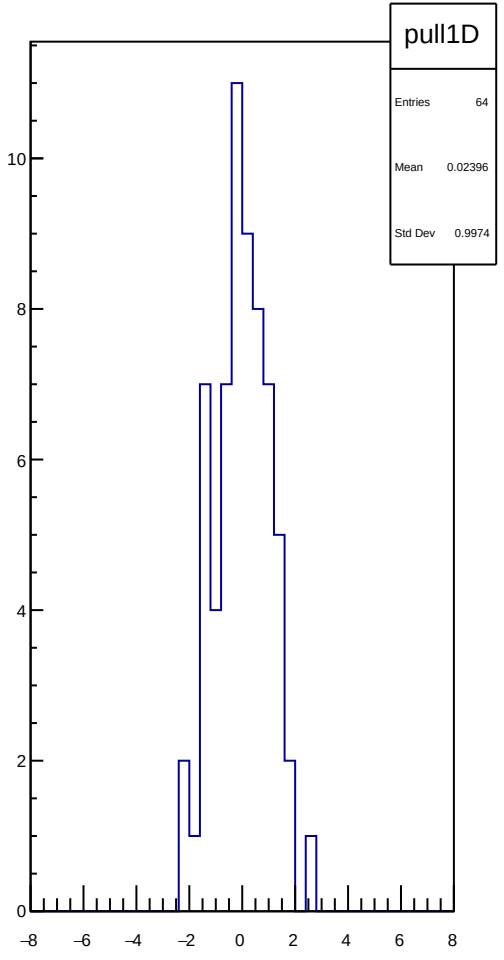

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 372.1 / 63
p0 1885 ± 1.703
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

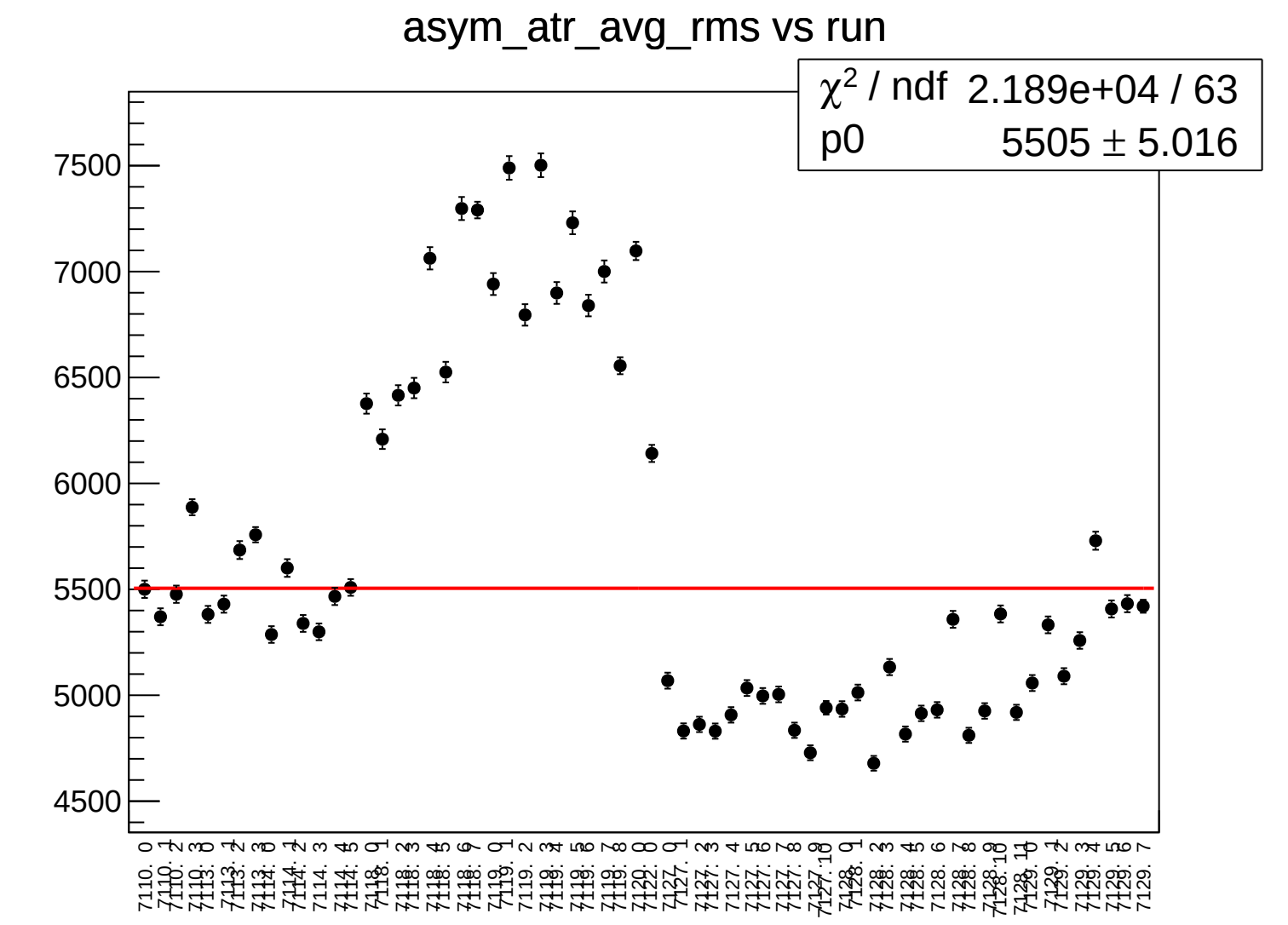

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55 / 63
p0 −2128 ± 6871
pull
Entries 64
Mean 95.81
Std Dev 0

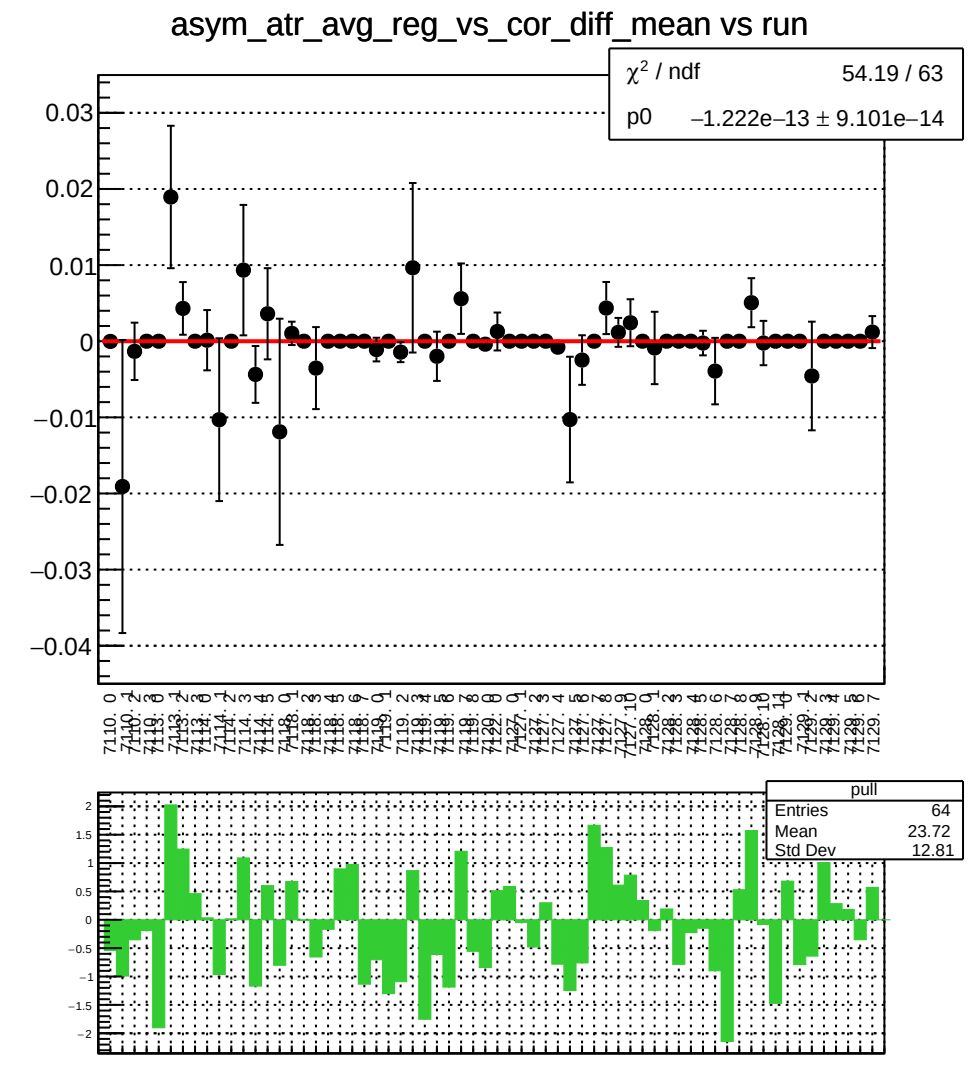

pull1D
Entries 64
Mean −0.02286
Std Dev 0.9267

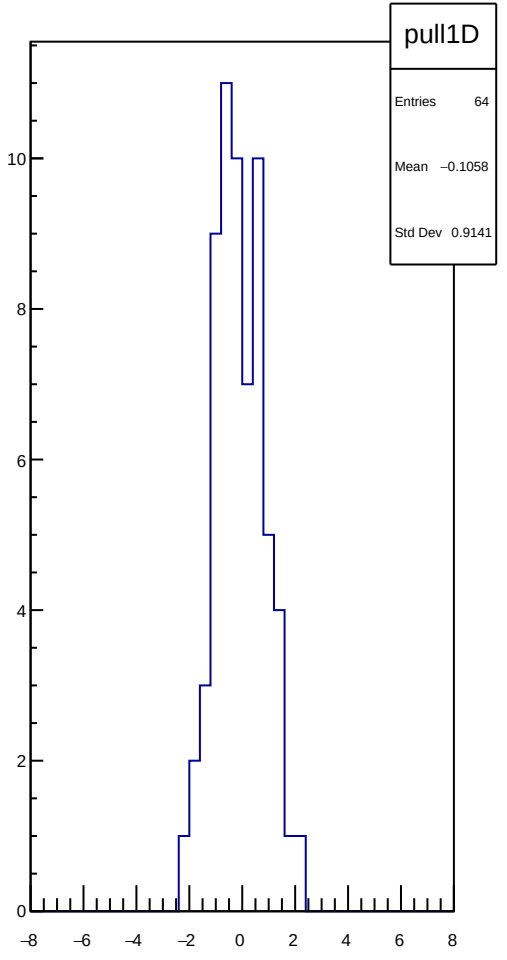

asym_atr_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 2.589e+04 / 63
p0 5323 ± 4.858
7500
7000
6500
6000
5500
5000
4500

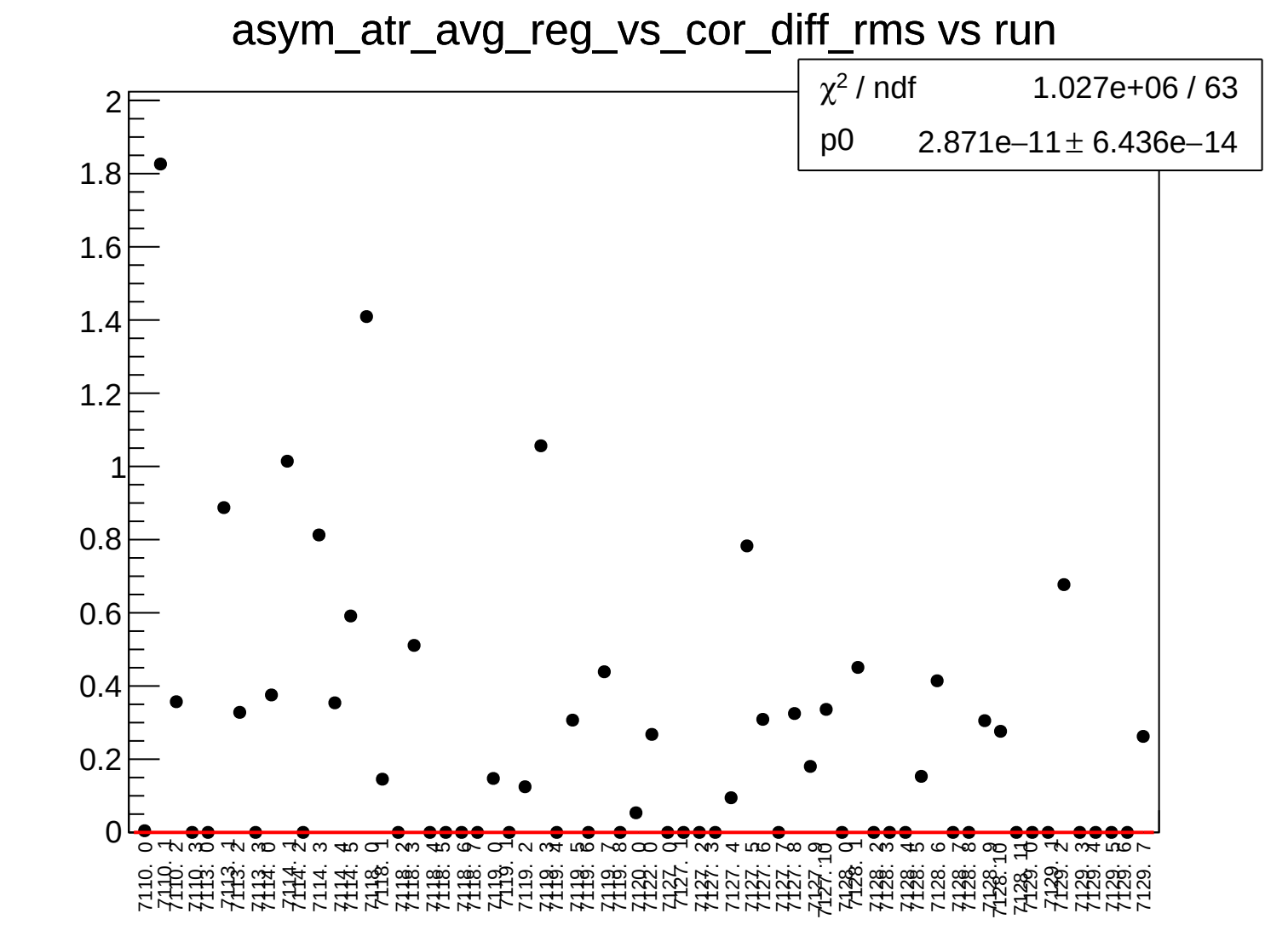

asym_atr_avg_mean vs run
×10^3
χ² / ndf 63.7 / 63
p0 7461 ± 7094
pull
Entries 64
Mean 80.46
Std Dev 0

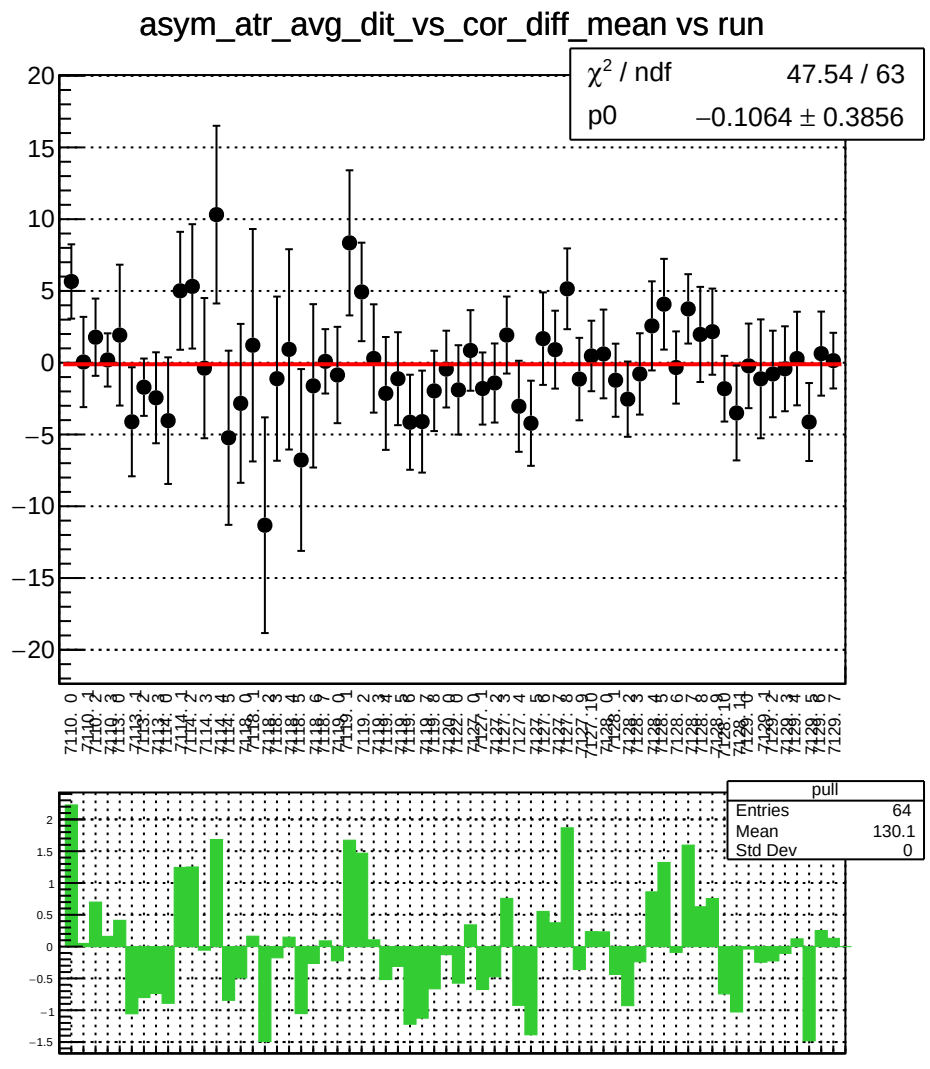

pull1D
Entries 64
Mean 0.02396
Std Dev 0.9974

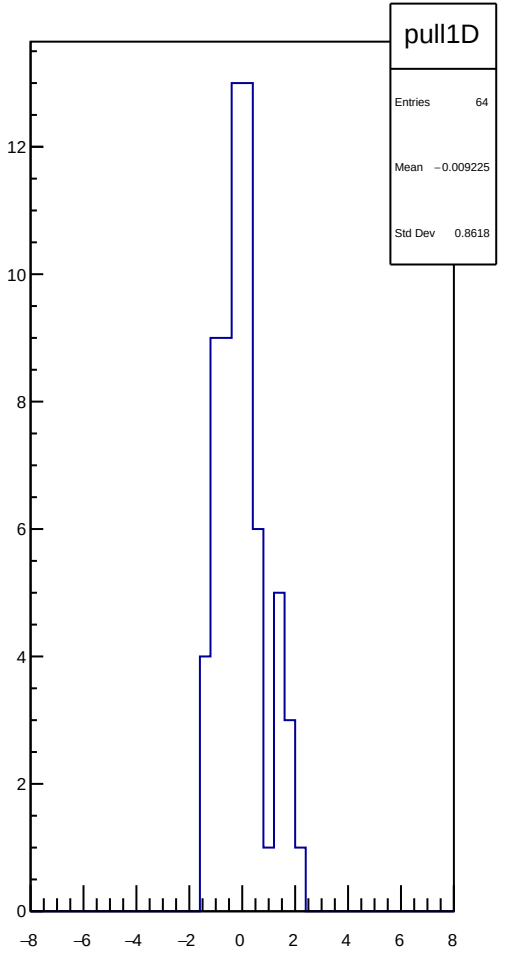

asym_atr_avg_rms vs run
χ^2 / ndf 2.189e+04 / 63
p0 5505 ± 5.016
7500
7000
6500
6000
5500
5000
4500

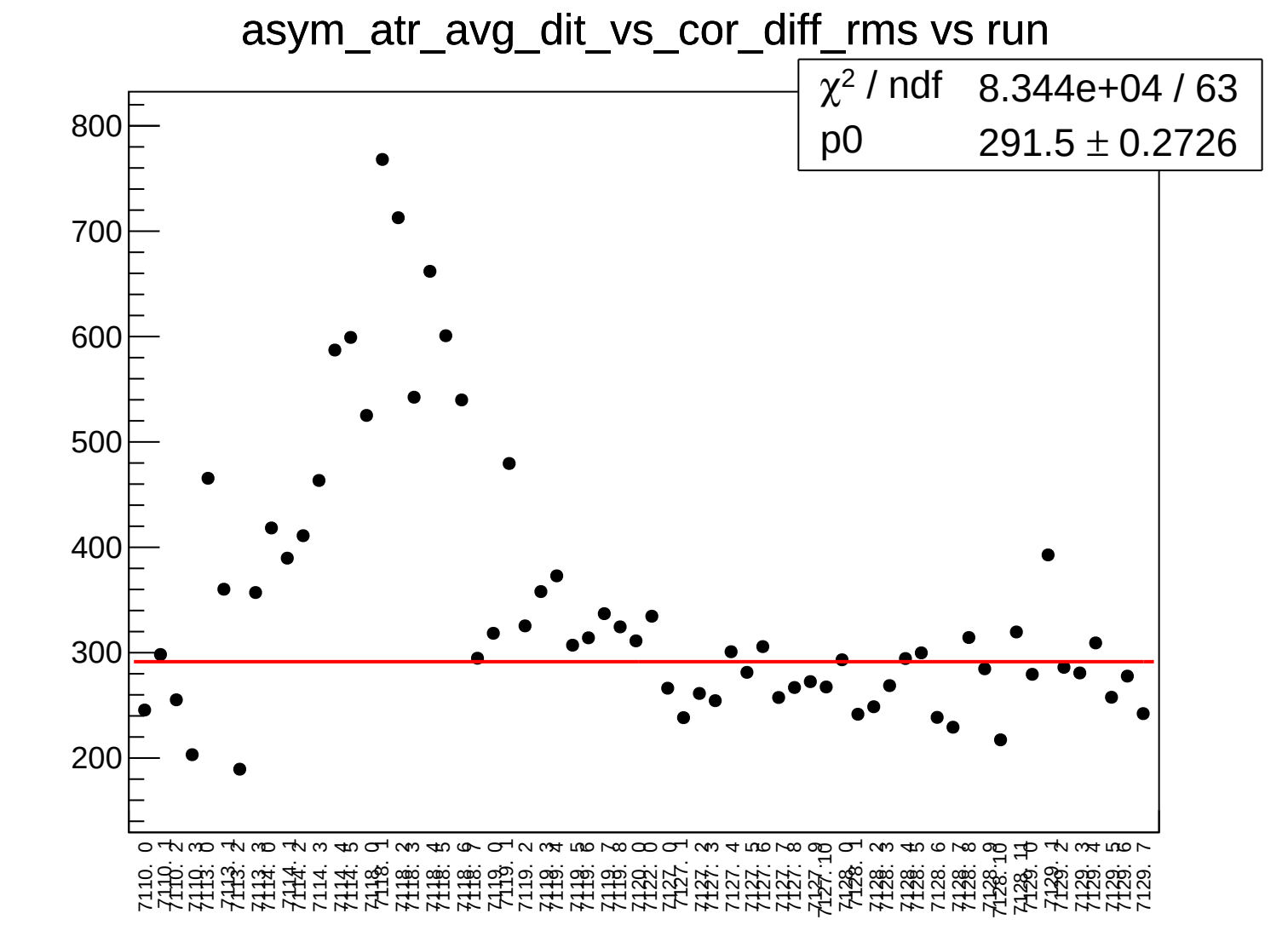

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.19 / 63
p0 −1.222e−13 ± 9.101e−14
pull
Entries 64
Mean 23.72
Std Dev 12.81

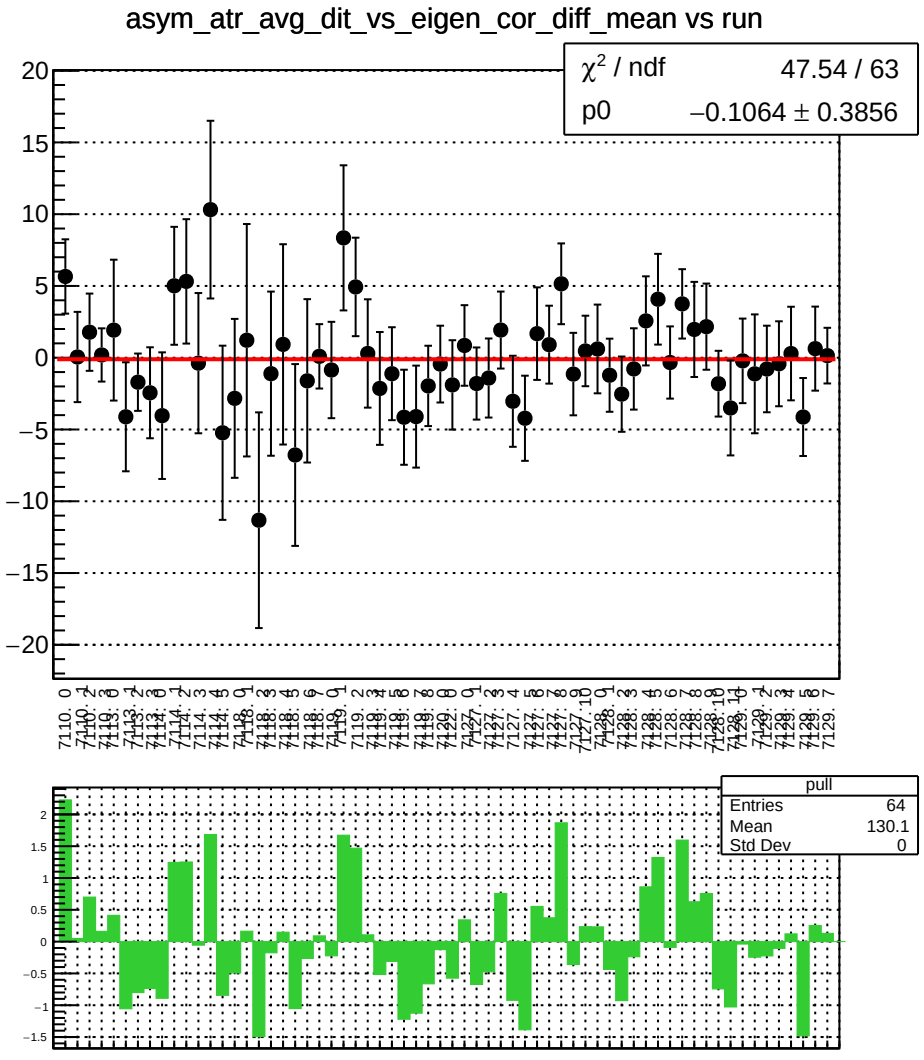

pull1D
Entries 64
Mean −0.1058
Std Dev 0.9141

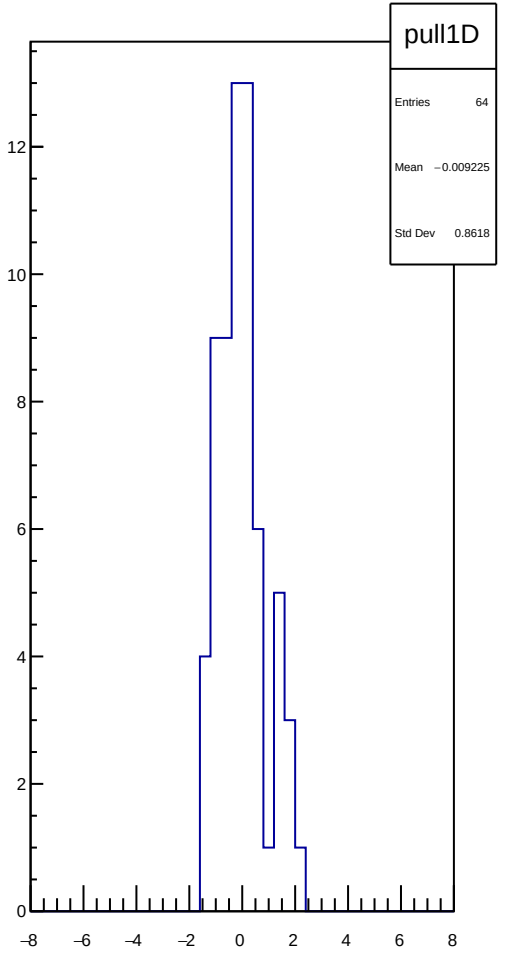

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.027e+06 / 63
p0 2.871e−11 ± 6.436e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

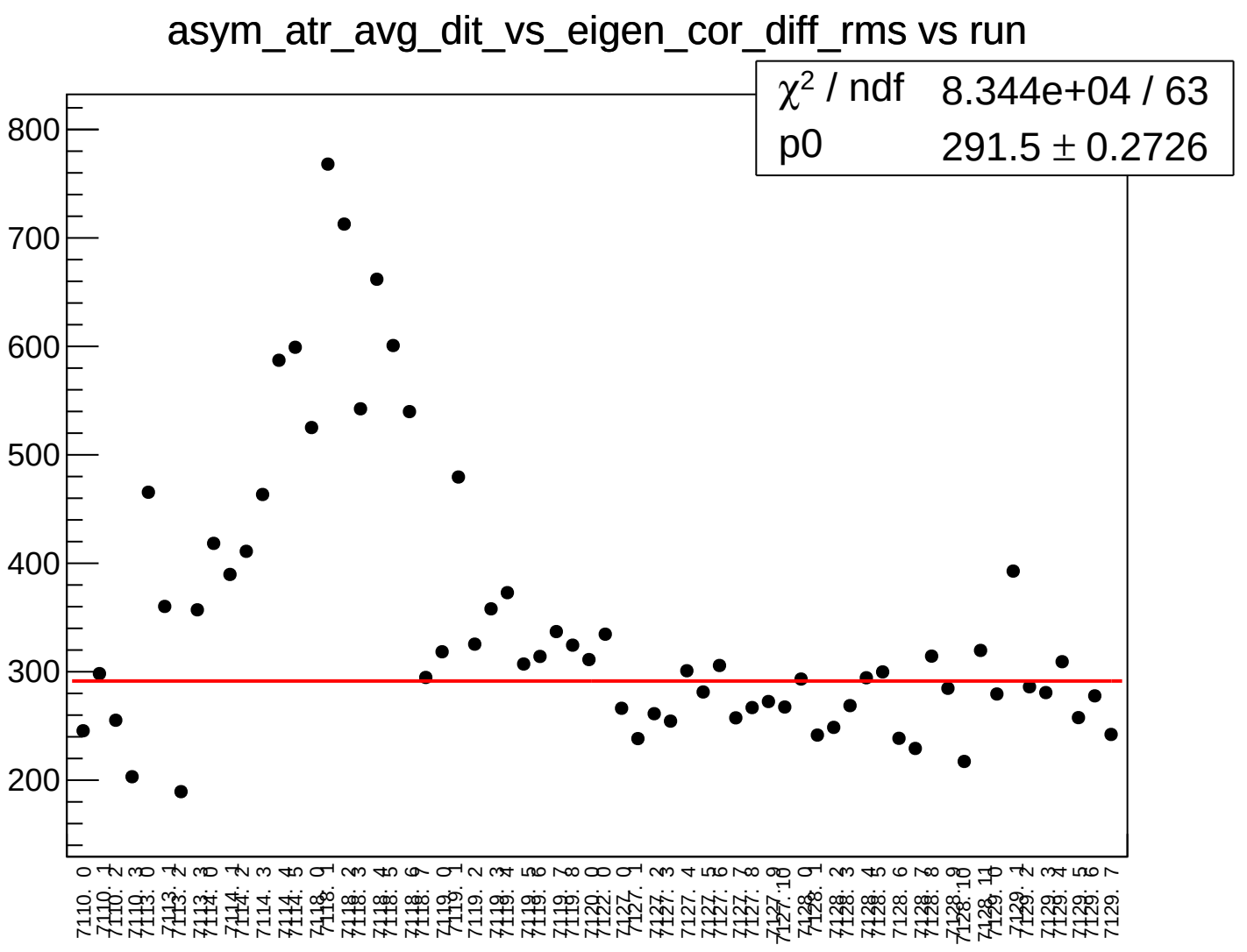

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.54 / 63
p0 −0.1064 ± 0.3856
pull
Entries 64
Mean 130.1
Std Dev 0

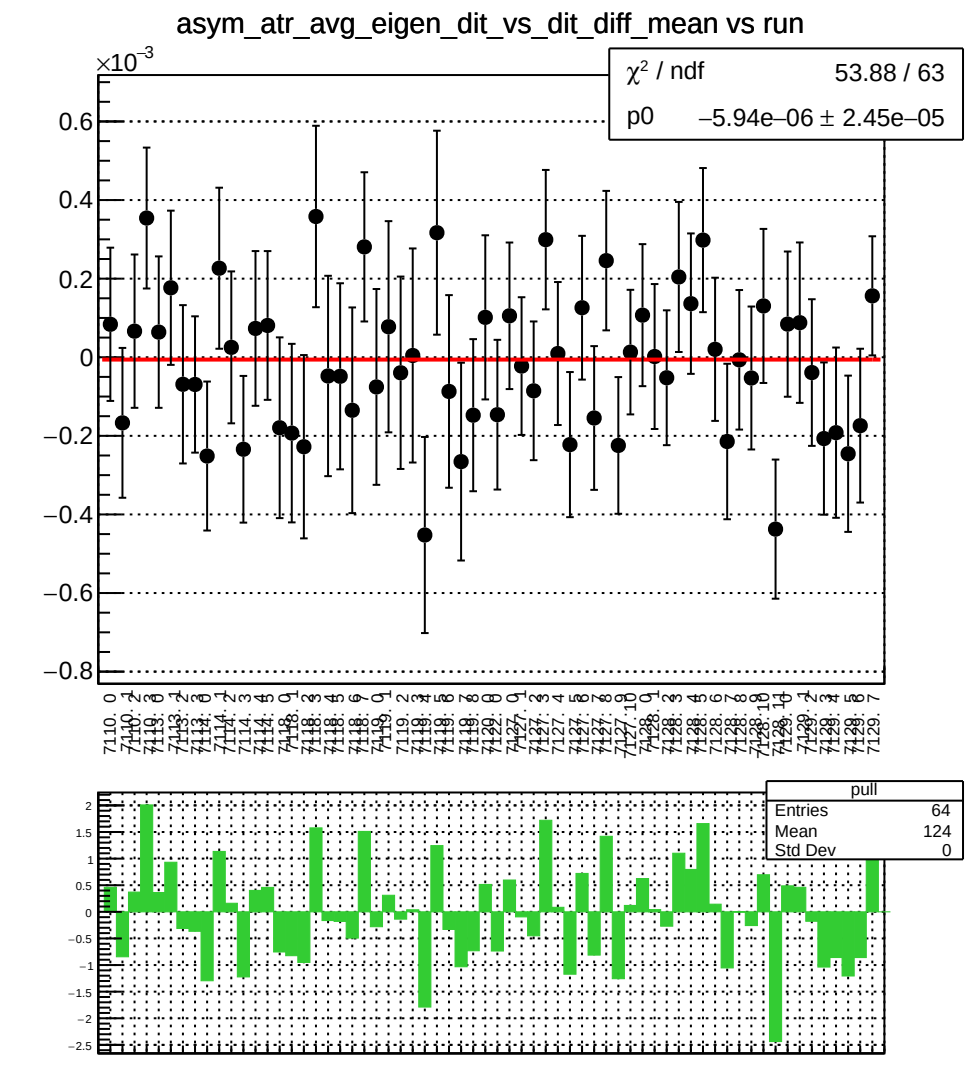

pull1D
Entries 64
Mean −0.009225
Std Dev 0.8618

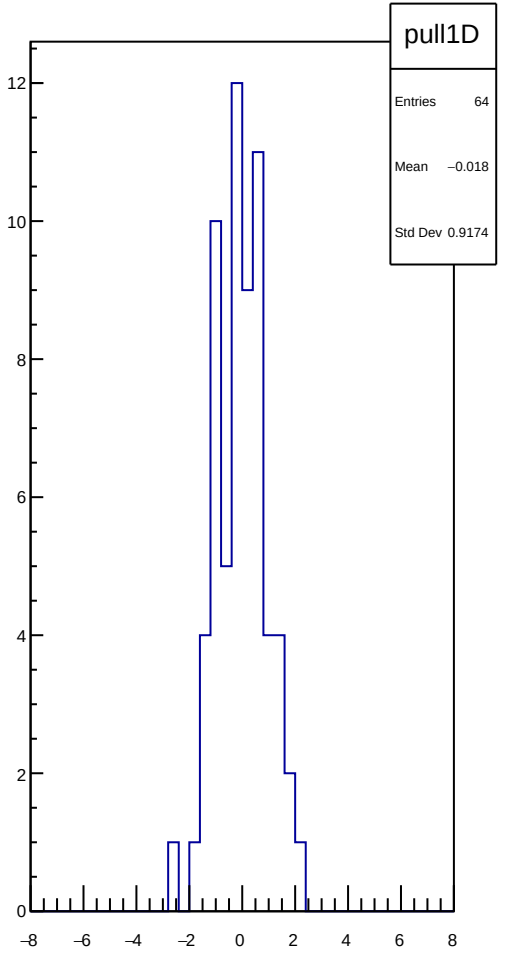

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.344e+04 / 63
p0 291.5 ± 0.2726
800
700
600
500
400
300
200

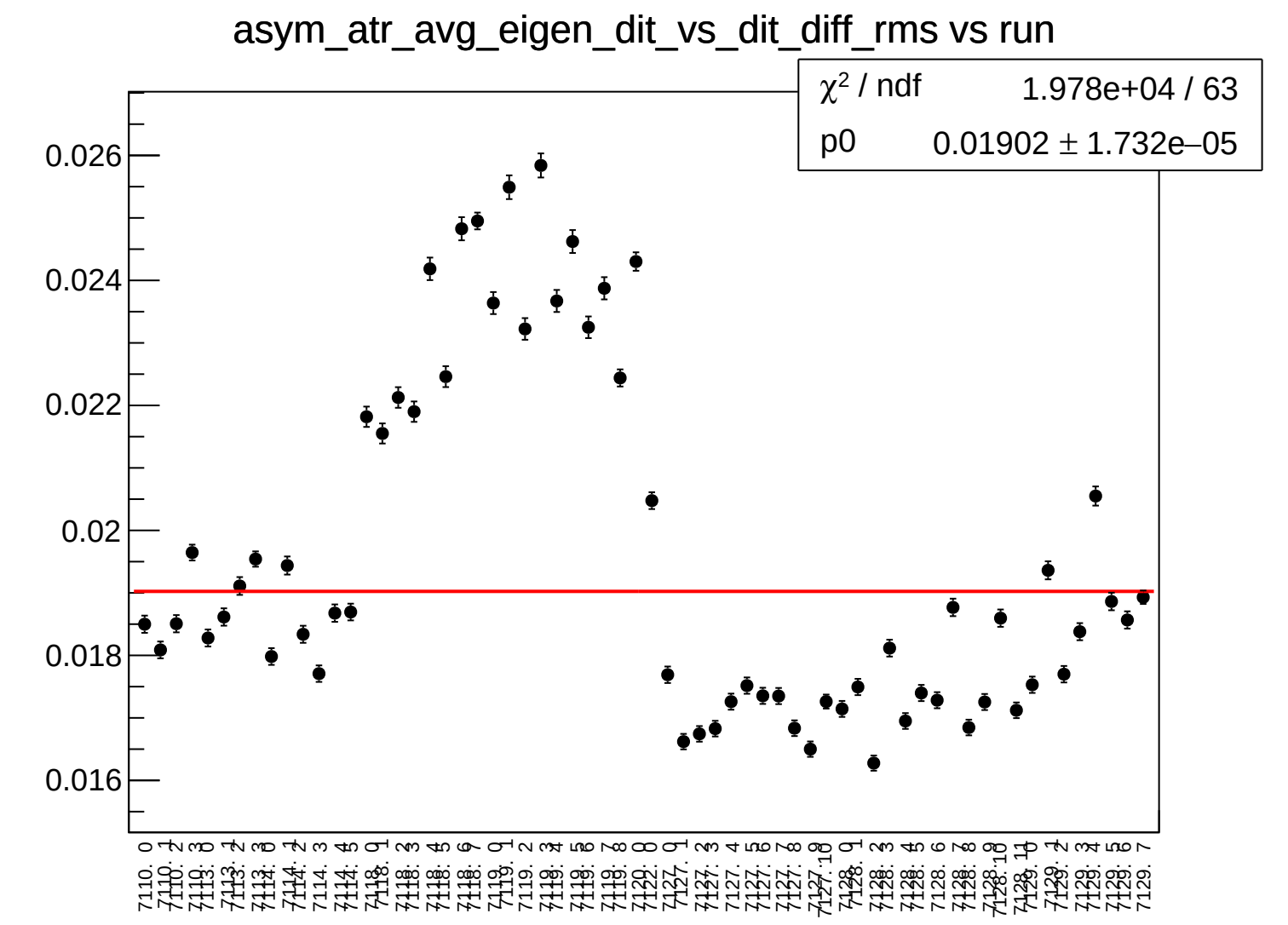

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.54 / 63
p0 −0.1064 ± 0.3856
pull
Entries 64
Mean 130.1
Std Dev 0

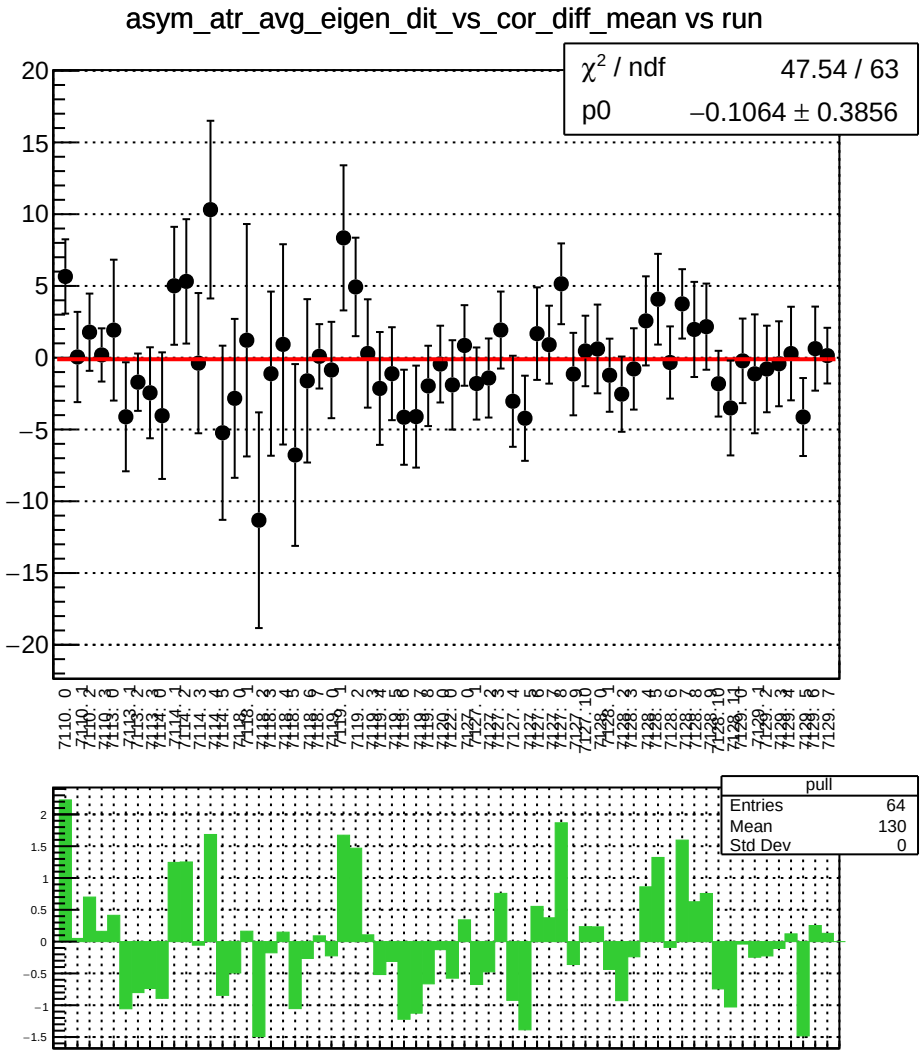

pull1D
Entries 64
Mean −0.009225
Std Dev 0.8618

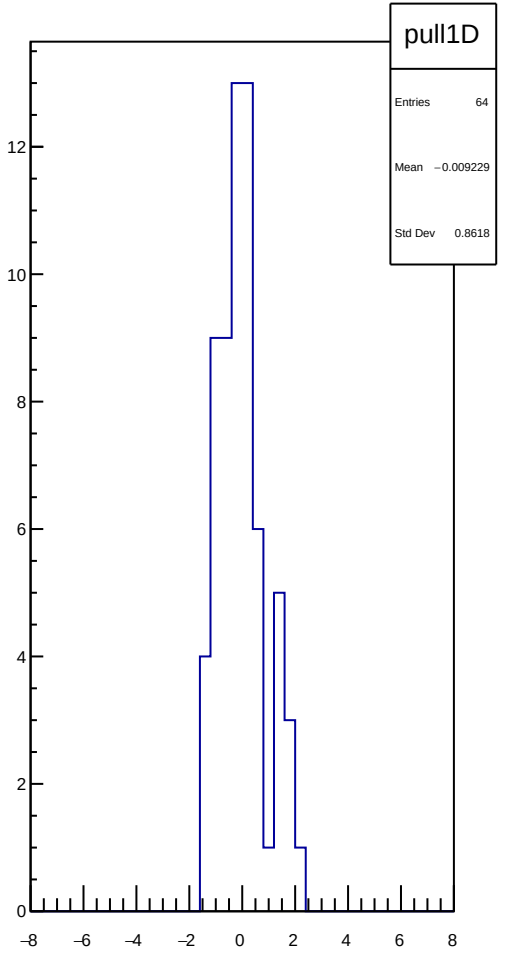

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.344e+04 / 63
p0 291.5 ± 0.2726
800
700
600
500
400
300
200

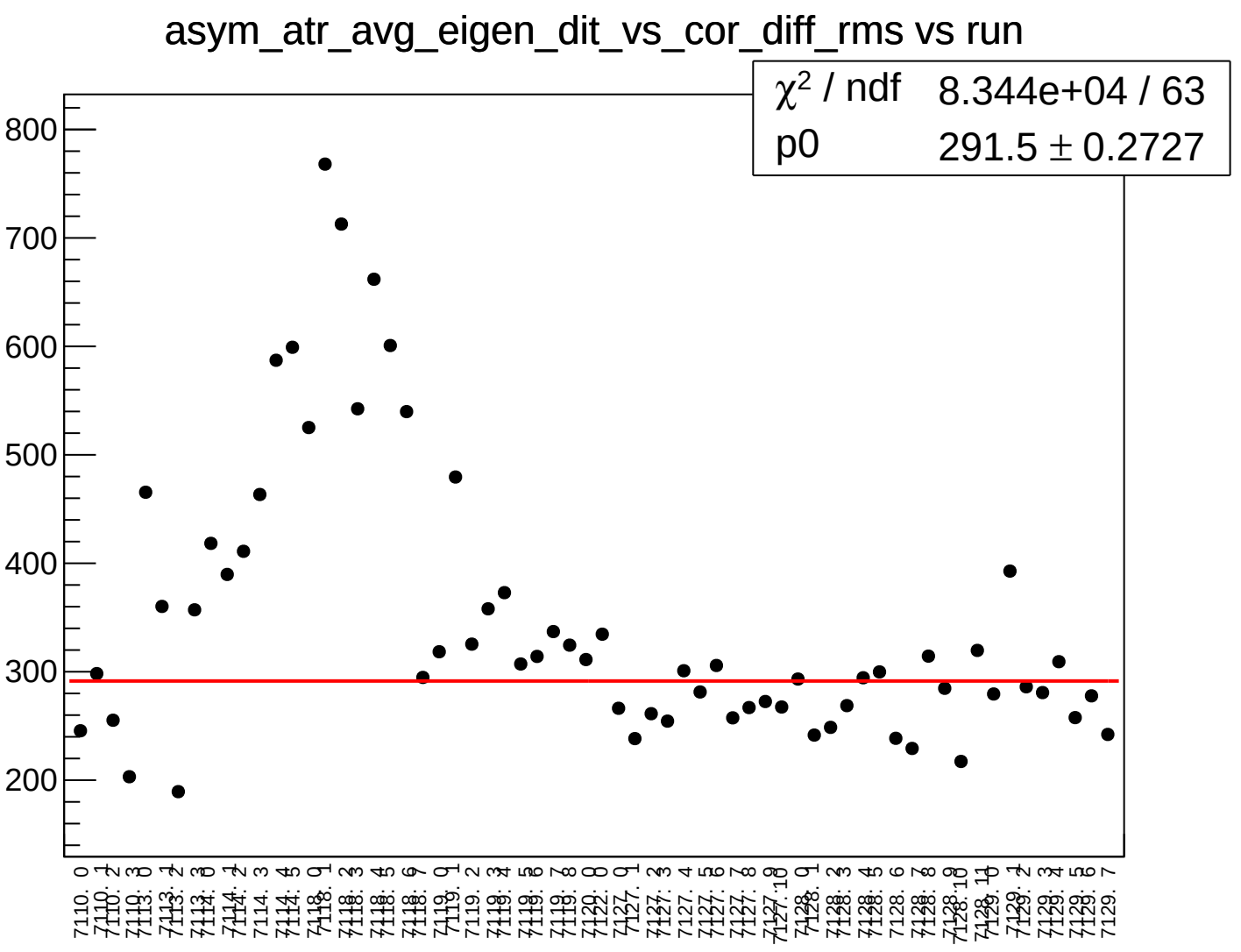

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.88 / 63
p0 −5.94e−06 ± 2.45e−05
pull
Entries 64
Mean 124
Std Dev 0

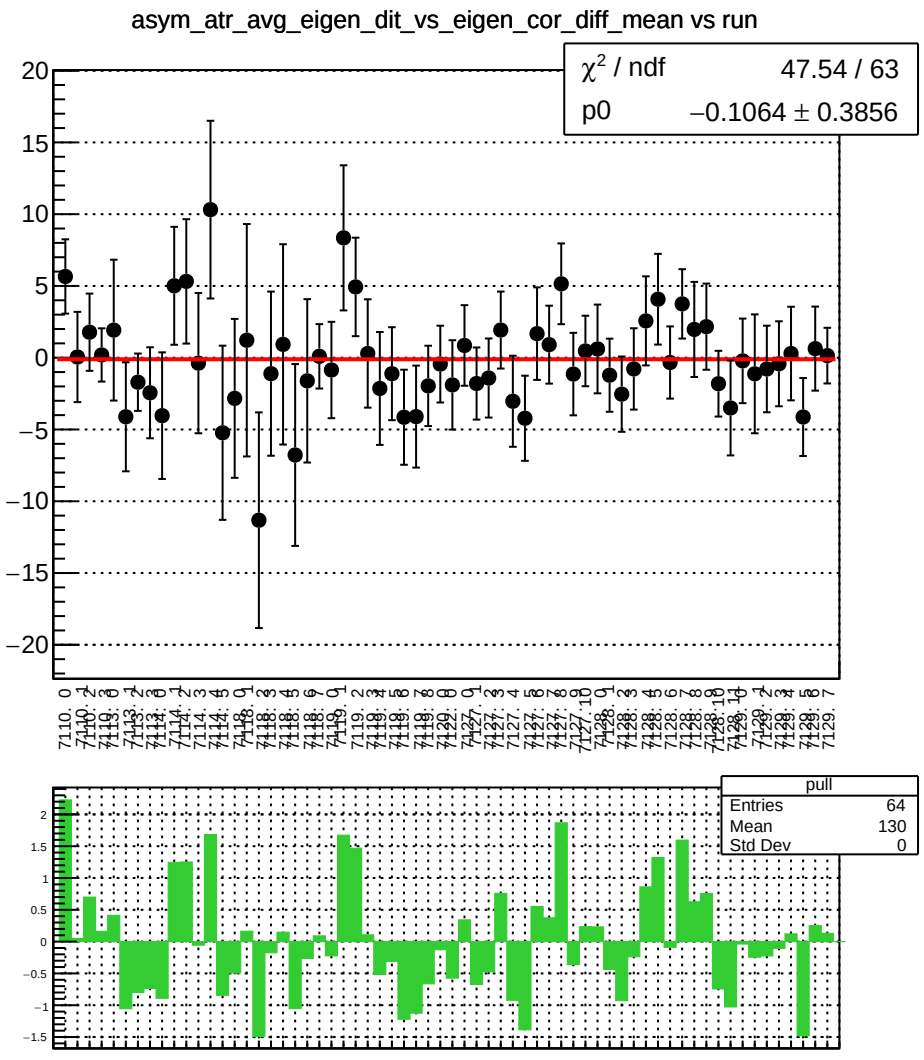

pull1D
Entries 64
Mean −0.018
Std Dev 0.9174

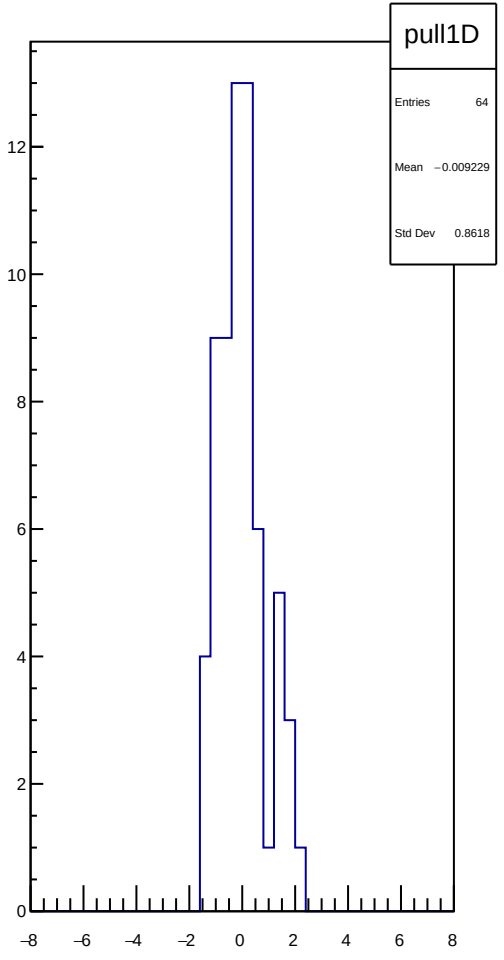

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.978e+04 / 63
p0 0.01902 ± 1.732e–05
0.026
0.024
0.022
0.02
0.018
0.016

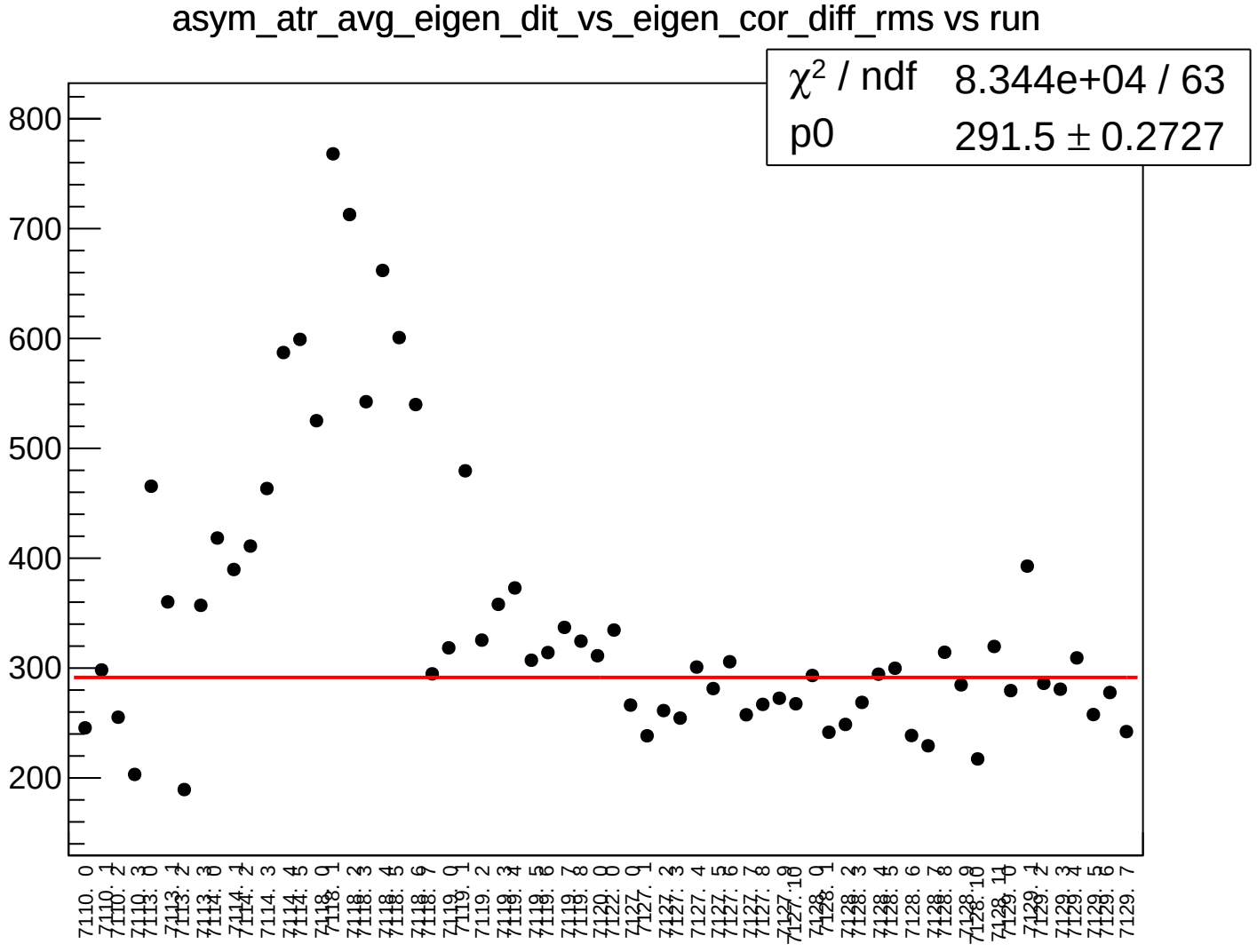

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.54 / 63
p0 −0.1064 ± 0.3856
pull
Entries 64
Mean 130
Std Dev 0

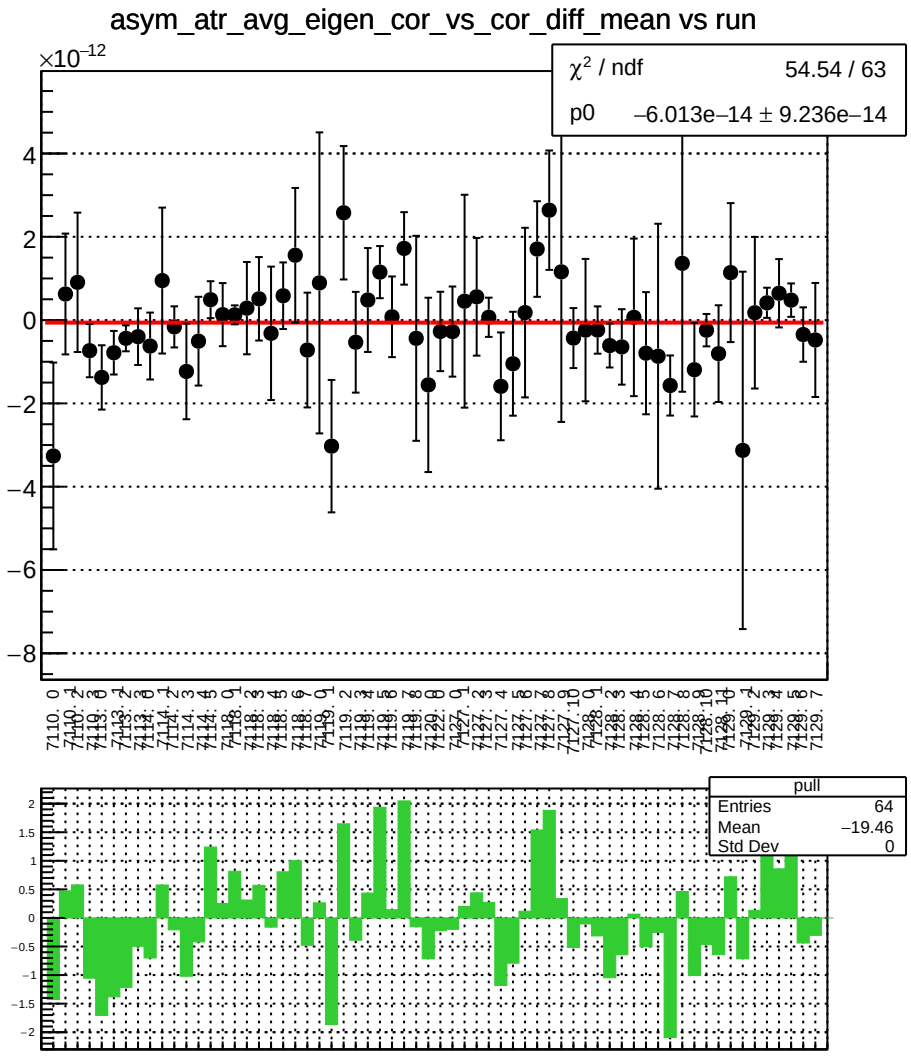

pull1D
Entries 64
Mean −0.009229
Std Dev 0.8618

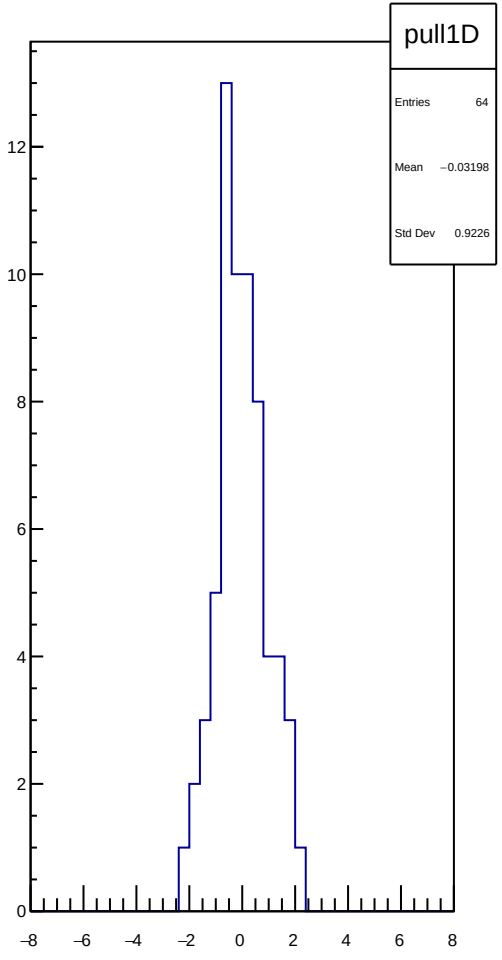

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.344e+04 / 63
p0 291.5 ± 0.2727
800
700
600
500
400
300
200

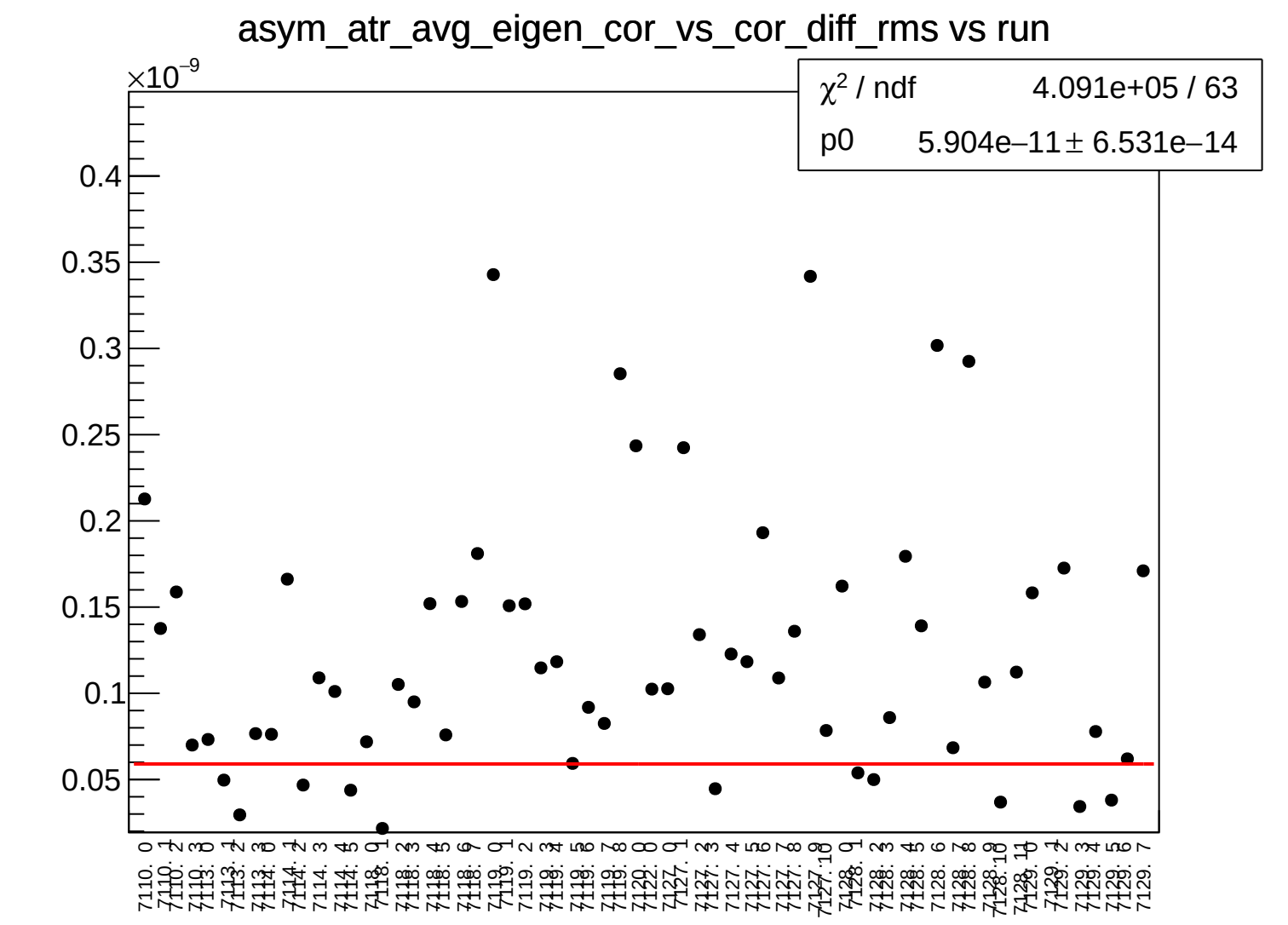

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.54 / 63
p0 −0.1064 ± 0.3856
pull
Entries 64
Mean 130
Std Dev 0

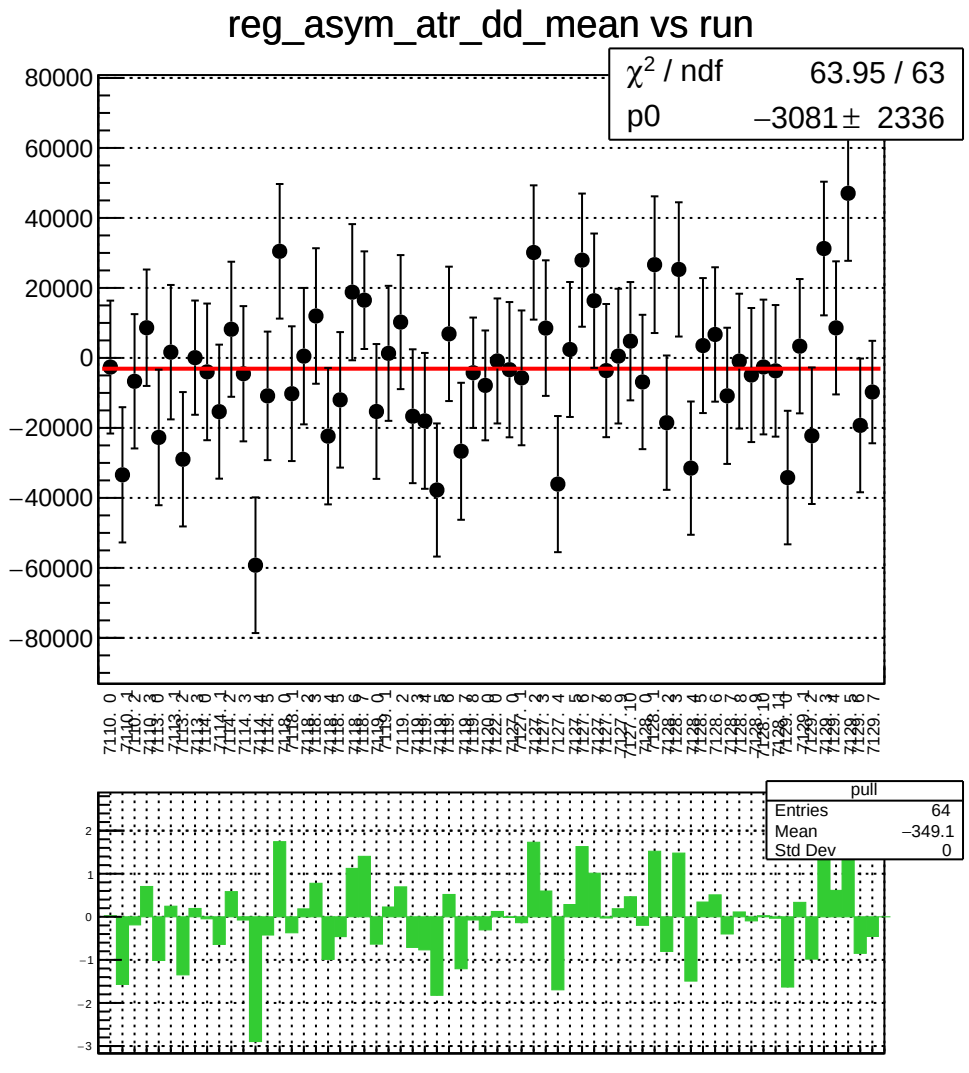

pull1D
Entries 64
Mean −0.009229
Std Dev 0.8618

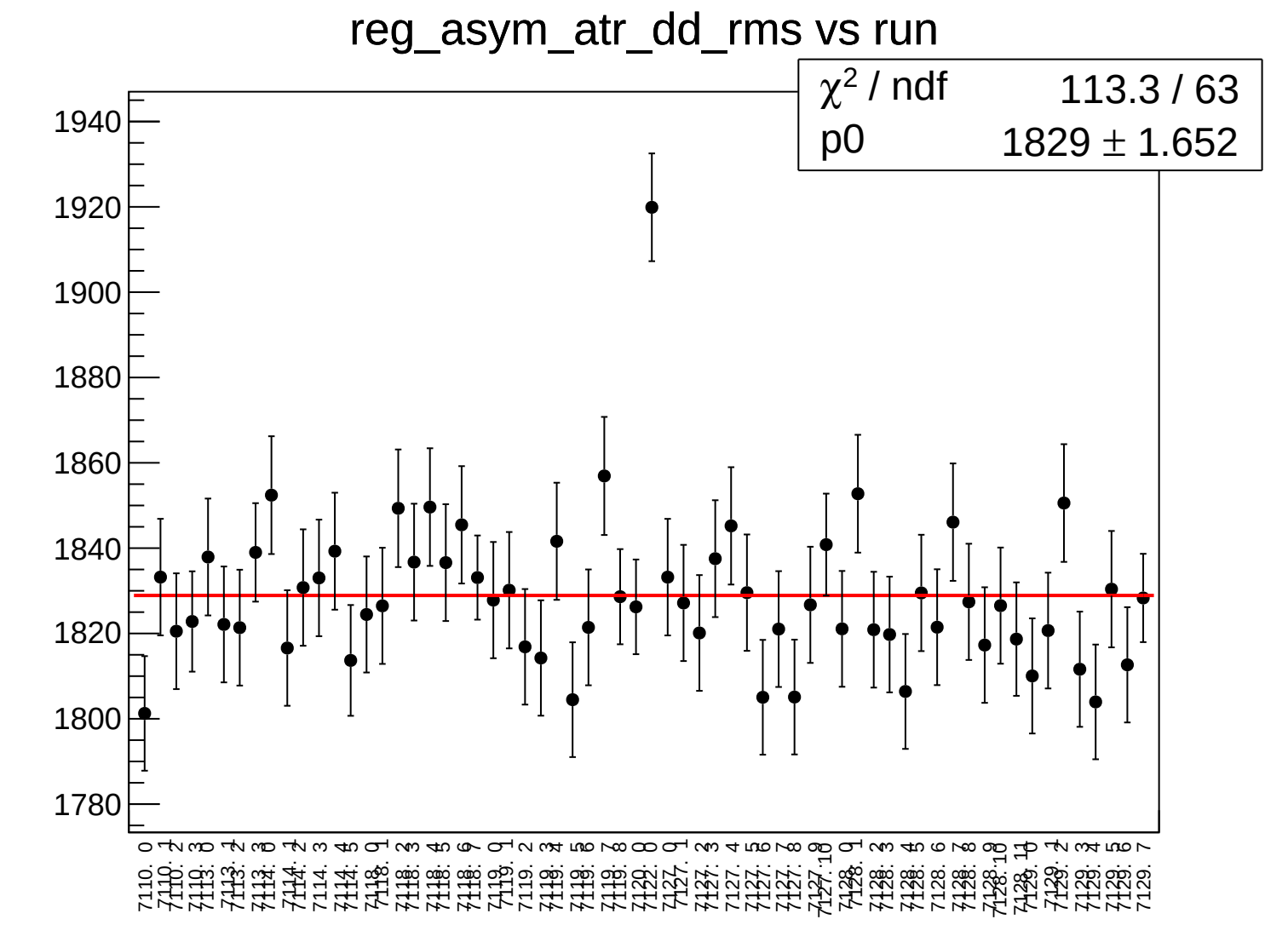

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.344e+04 / 63
p0 291.5 ± 0.2727
800
700
600
500
400
300
200

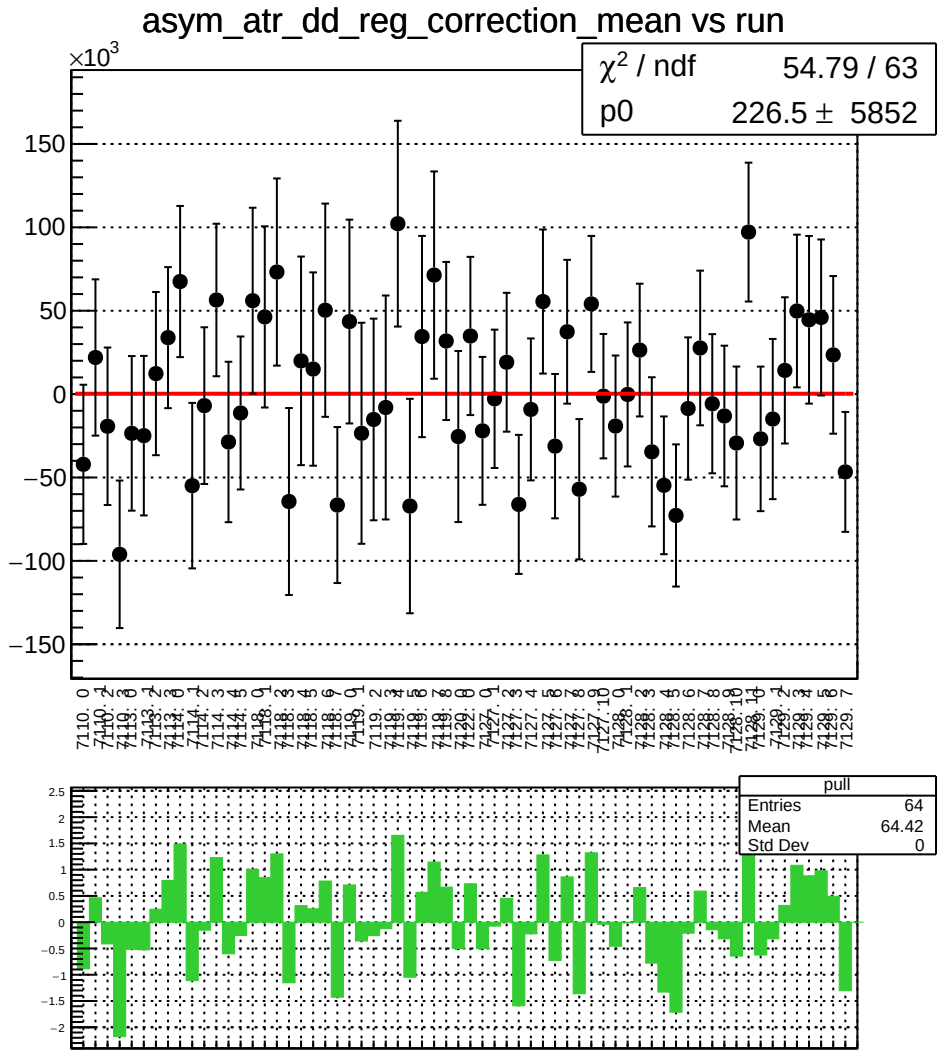

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.54 / 63
p0 −6.013e−14 ± 9.236e−14
pull
Entries 64
Mean −19.46
Std Dev 0

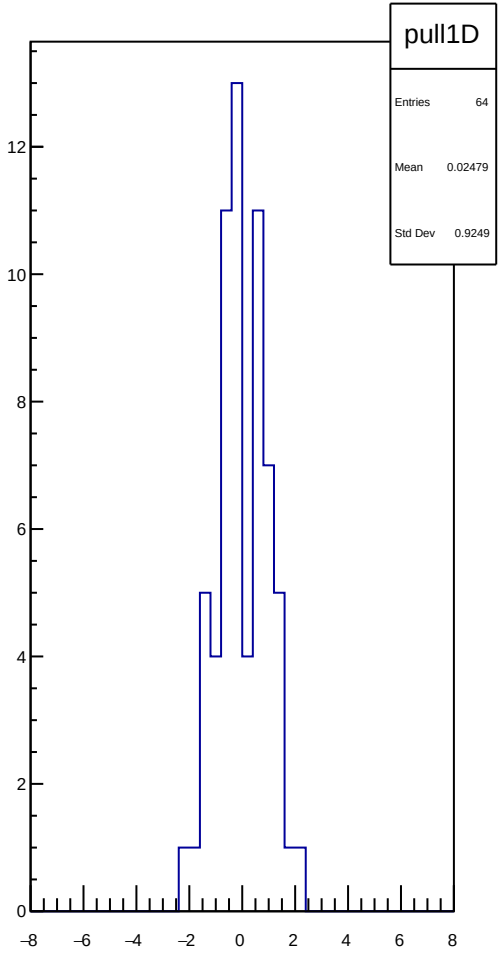

pull1D
Entries 64
Mean −0.03198
Std Dev 0.9226

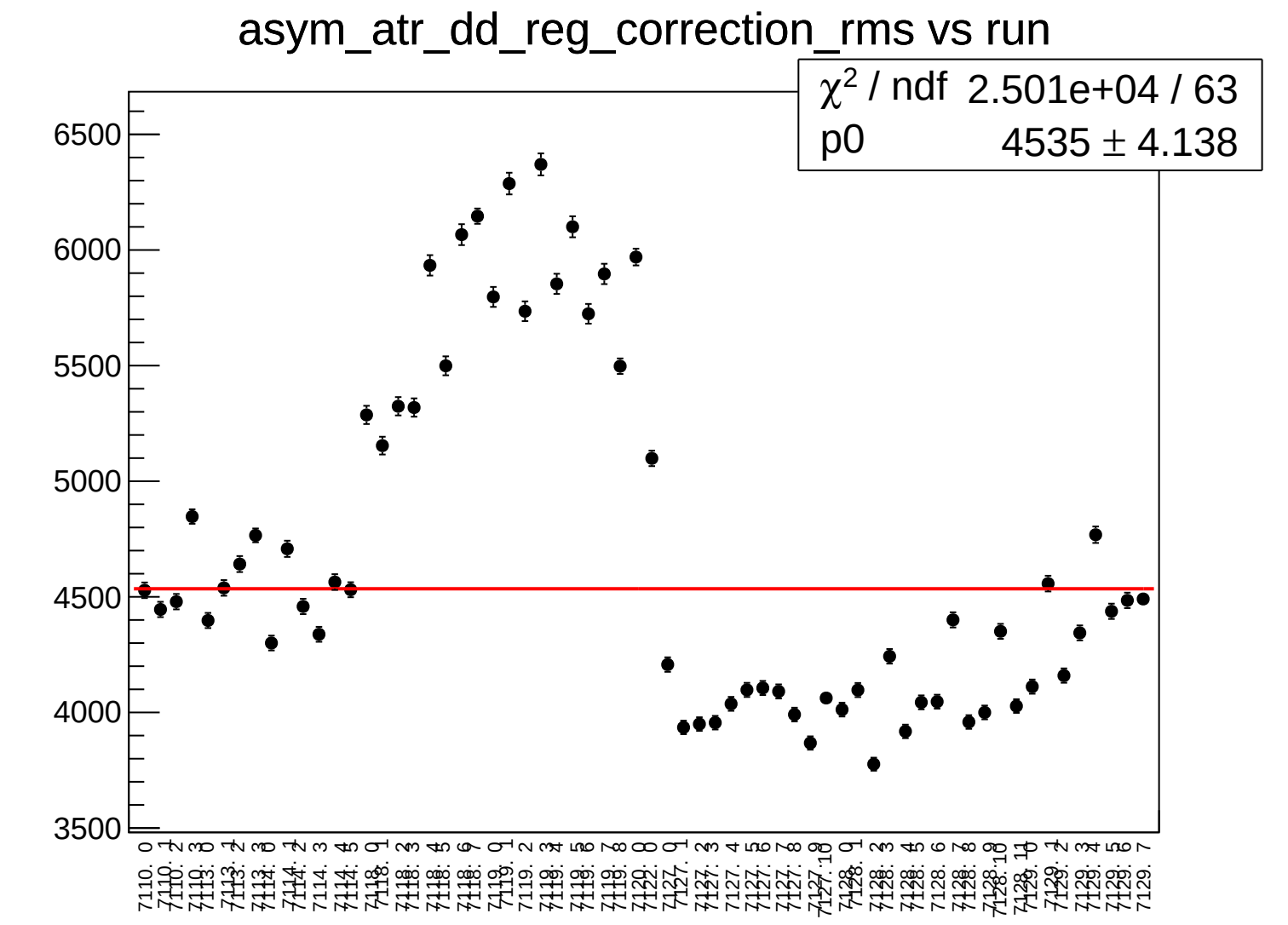

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.091e+05 / 63
p0 5.904e−11 ± 6.531e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

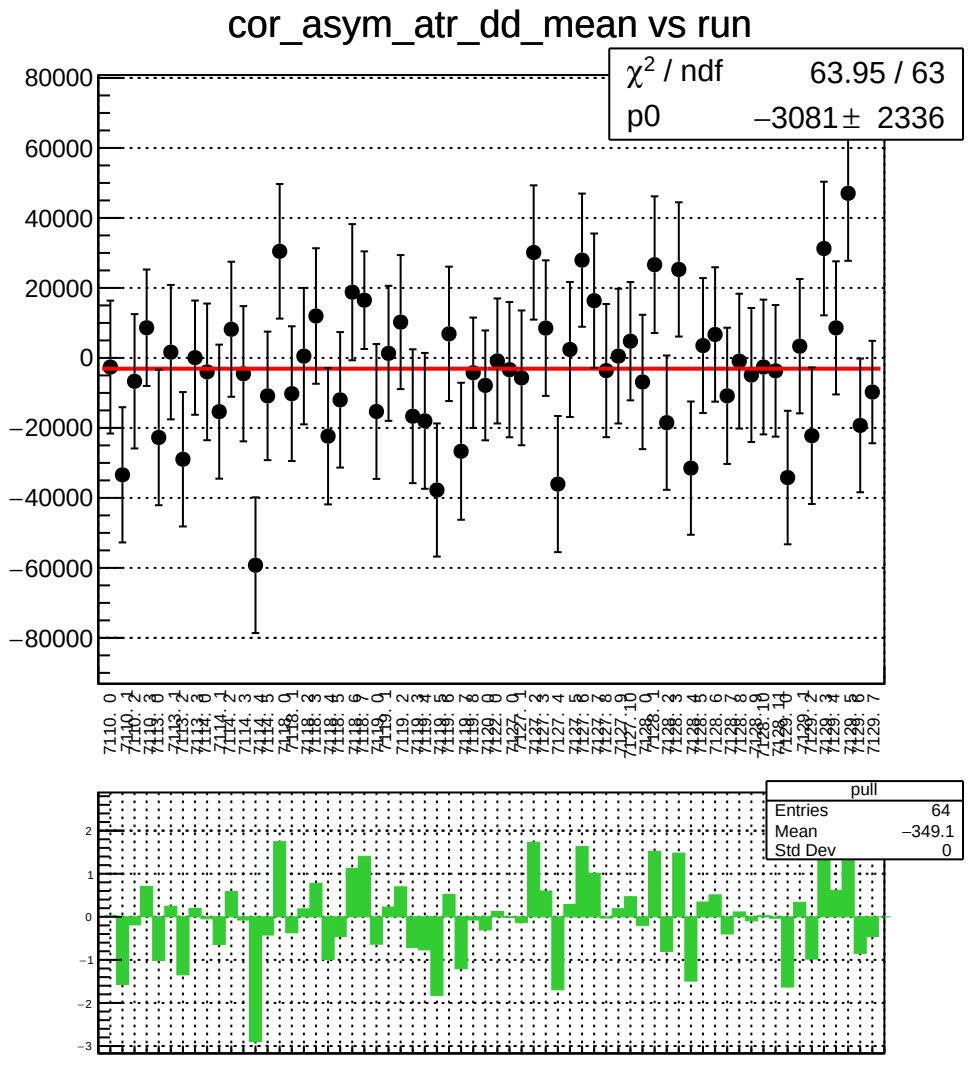

reg_asym_atr_dd_mean vs run
χ² / ndf 63.95 / 63
p0 −3081 ± 2336
pull
Entries 64
Mean −349.1
Std Dev 0
pull1D
Entries 64
Mean −0.008604
Std Dev 0.9996

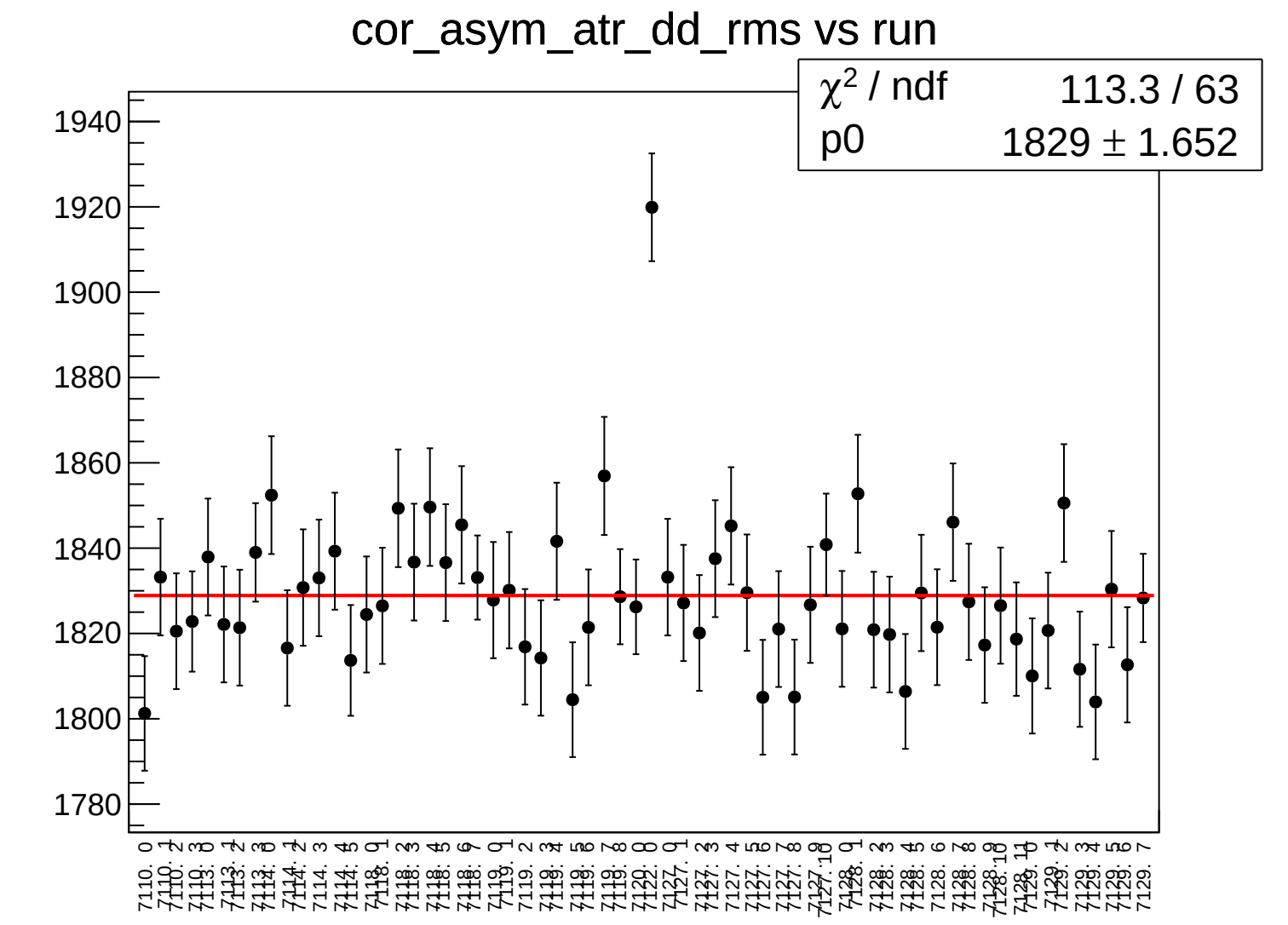

reg_asym_atr_dd_rms vs run
χ² / ndf 113.3 / 63
p0 1829 ± 1.652
1940
1920
1900
1880
1860
1840
1820
1800
1780

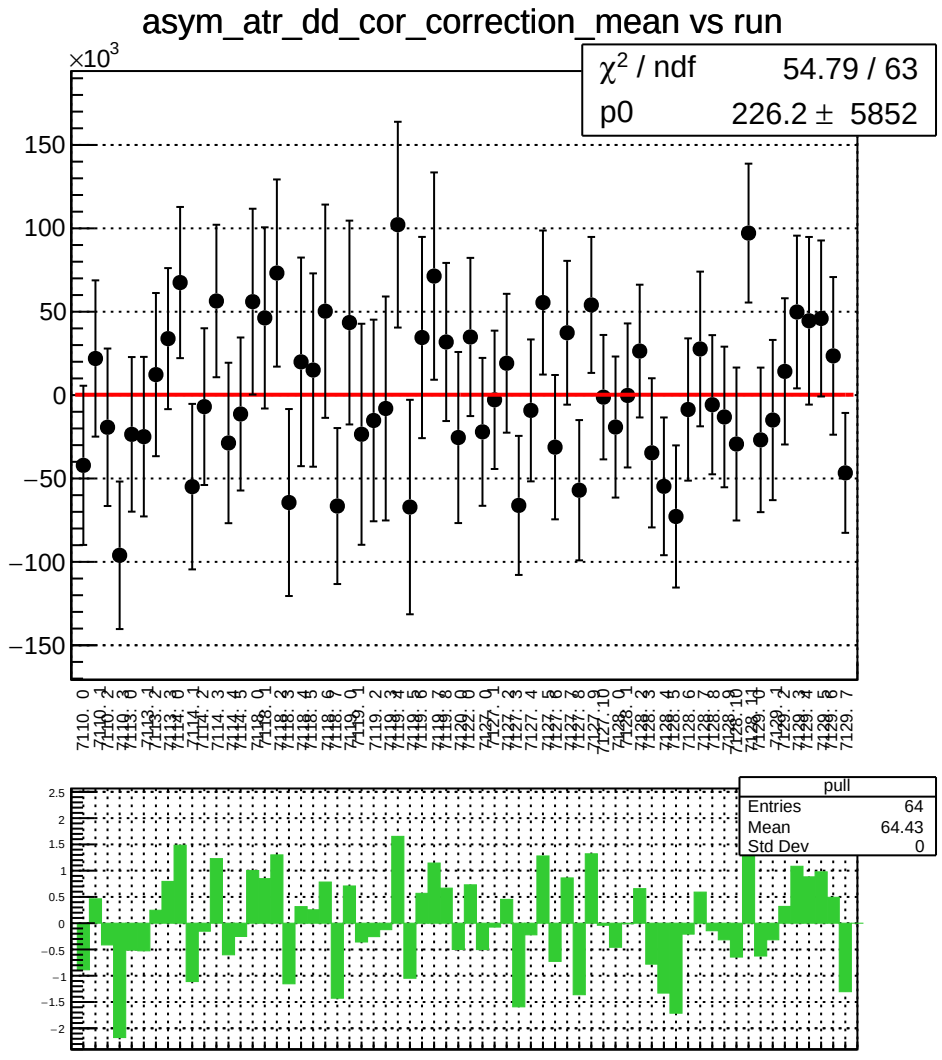

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.79 / 63
p0 226.5 ± 5852
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 64.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

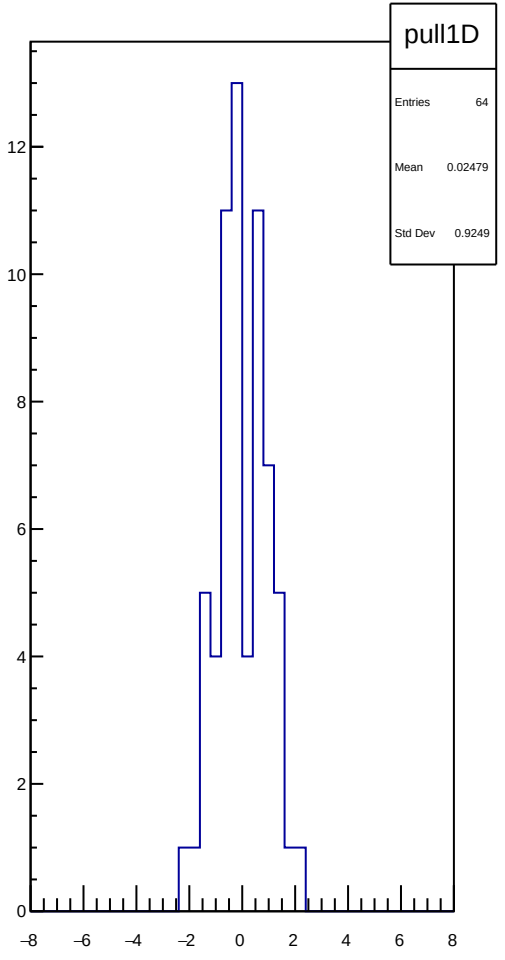

pull1D
Entries 64
Mean 0.02479
Std Dev 0.9249
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

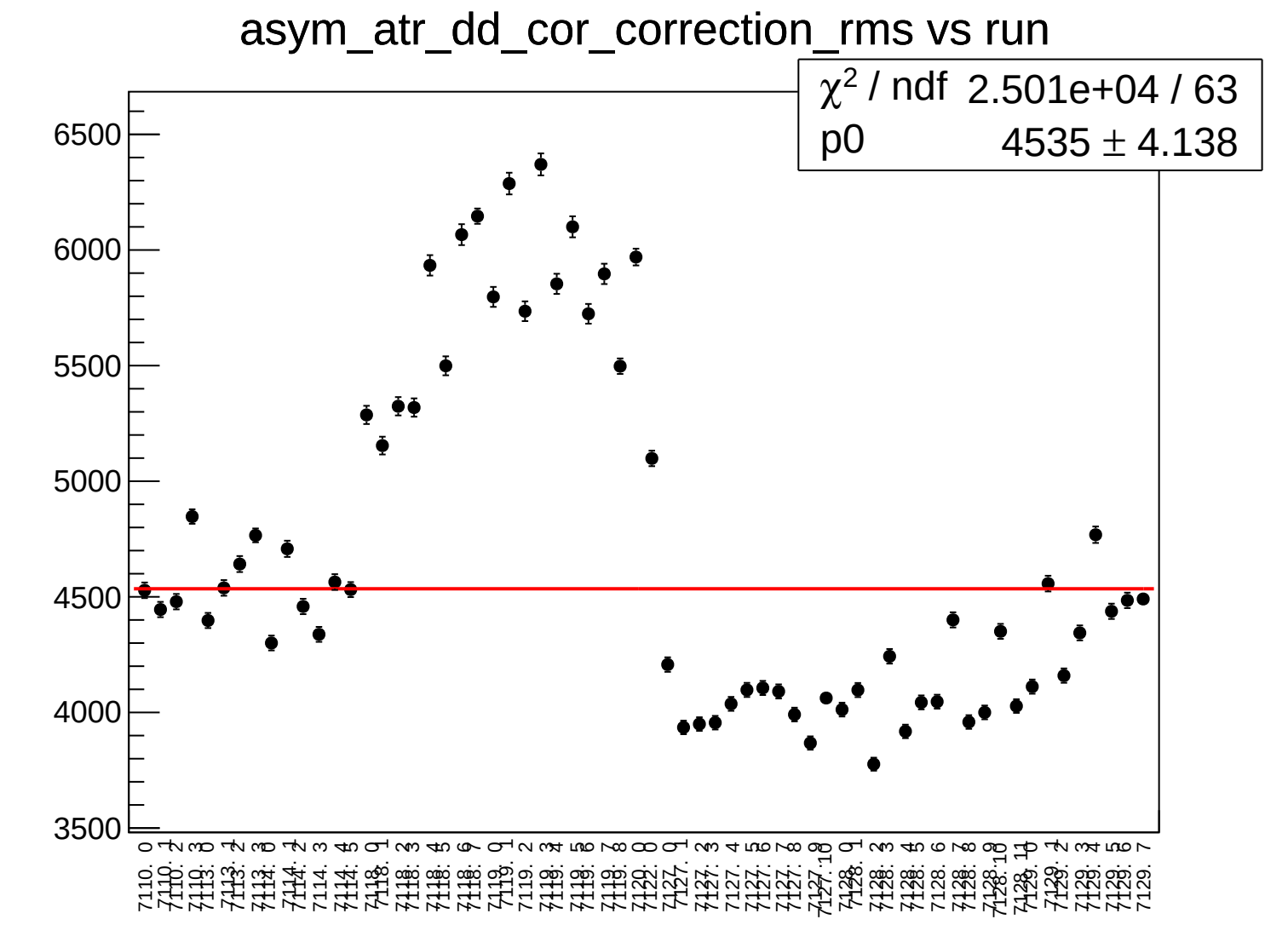

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 2.501e+04 / 63
p0 4535 ± 4.138
6500
6000
5500
5000
4500
4000
3500

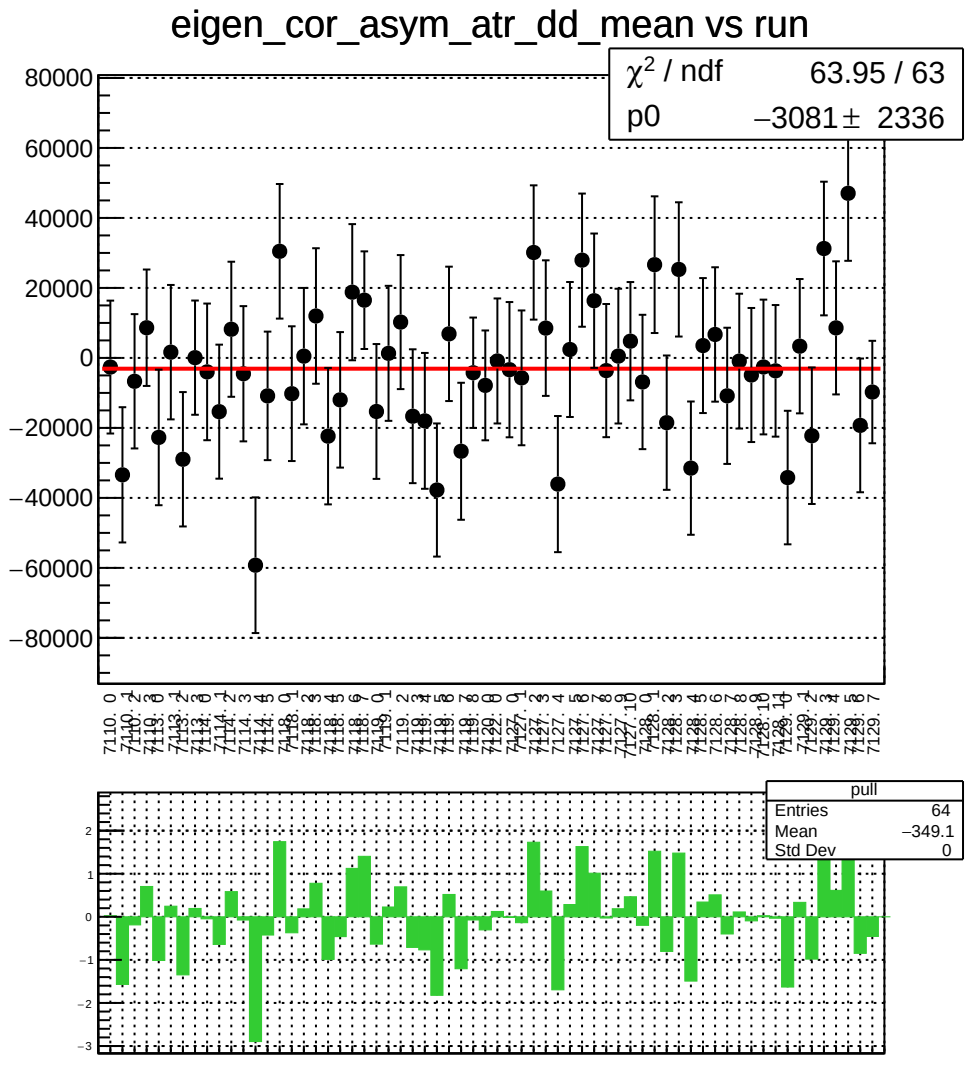

cor_asym_atr_dd_mean vs run
χ² / ndf 63.95 / 63
p0 −3081 ± 2336
pull
Entries 64
Mean −349.1
Std Dev 0
pull1D
Entries 64
Mean −0.008604
Std Dev 0.9996

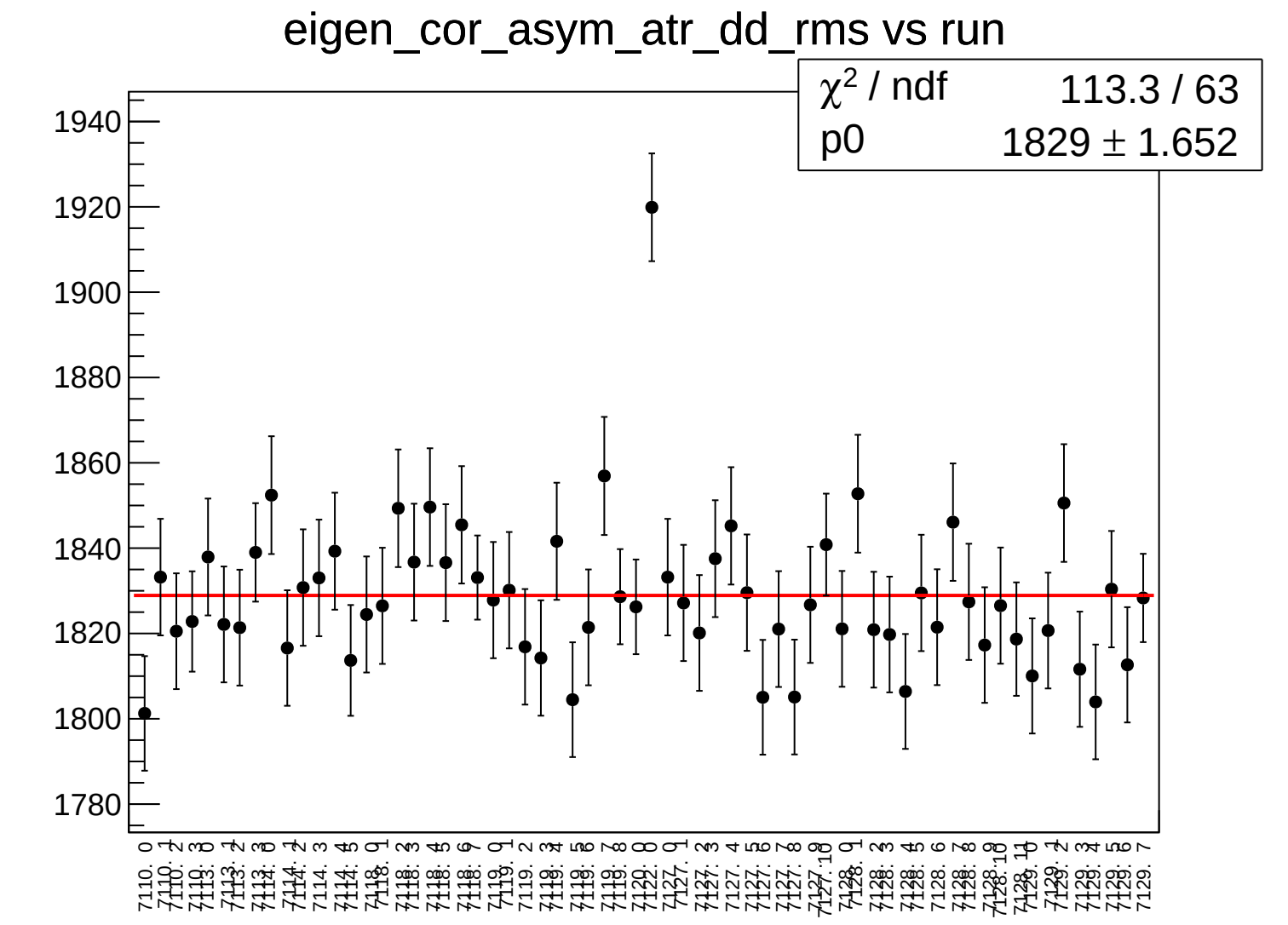

cor_asym_atr_dd_rms vs run
χ² / ndf 113.3 / 63
p0 1829 ± 1.652
1940
1920
1900
1880
1860
1840
1820
1800
1780

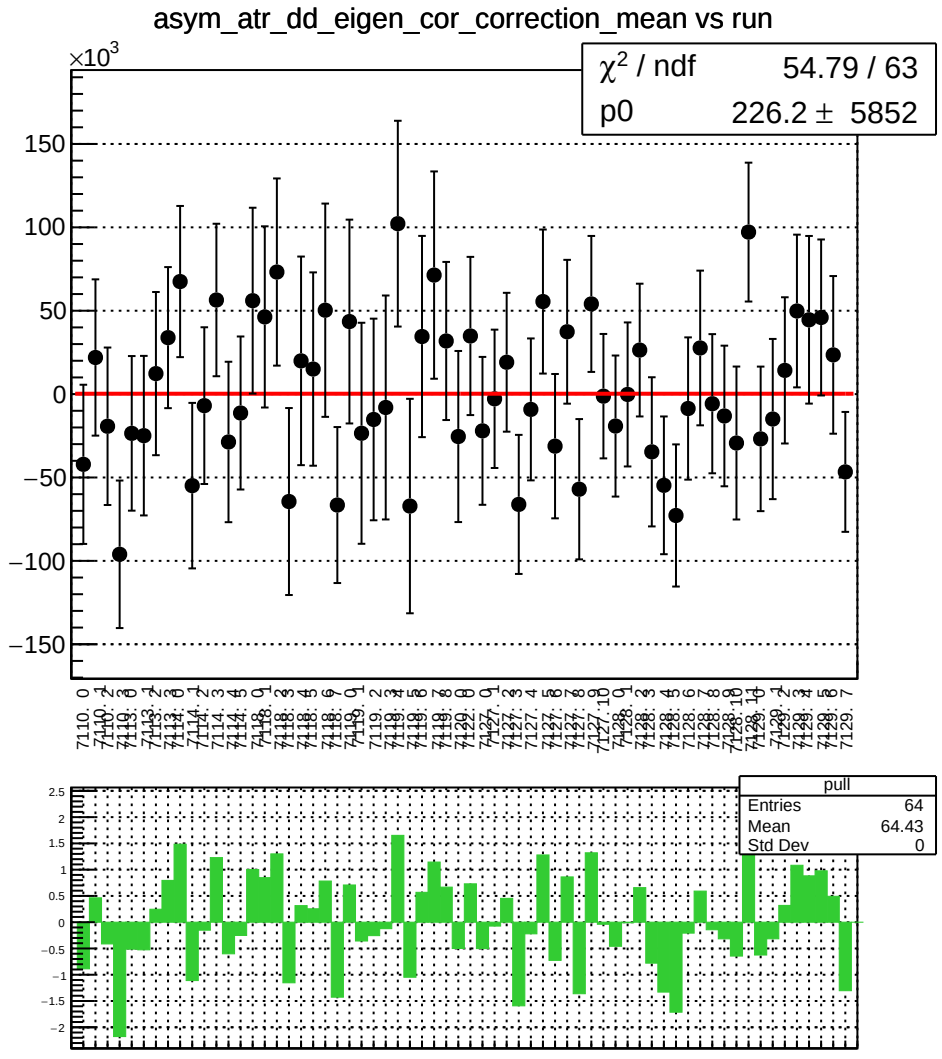

asym_atr_dd_cor_correction_mean vs run
χ² / ndf 54.79 / 63
p0 226.2 ± 5852
pull
Entries 64
Mean 64.43
Std Dev 0

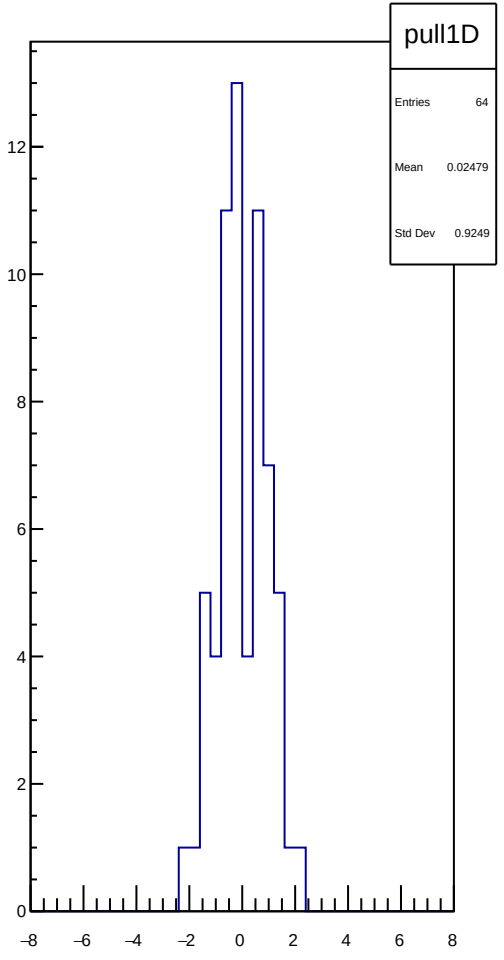

pull1D
Entries 64
Mean 0.02479
Std Dev 0.9249

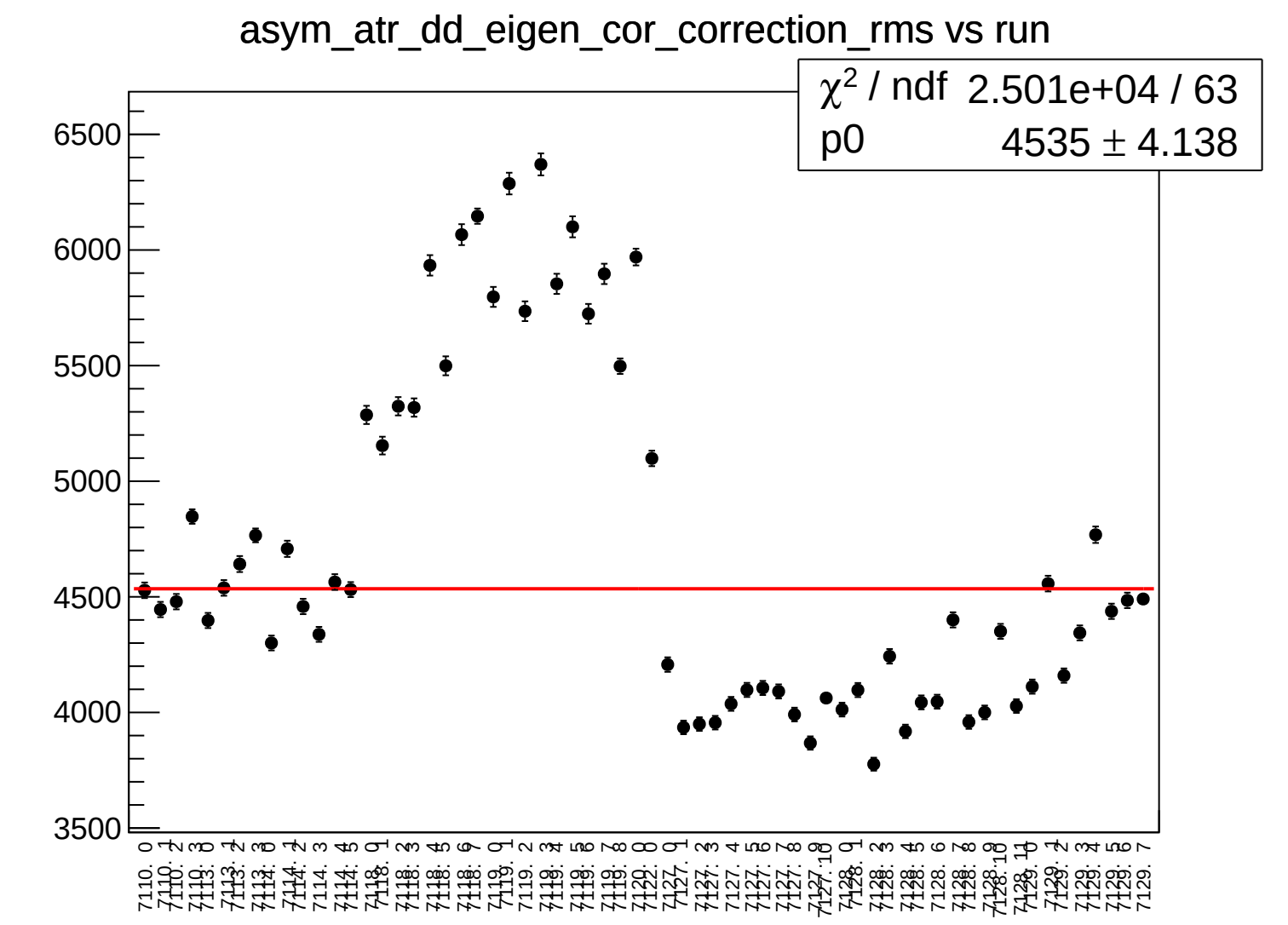

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2.501e+04 / 63
p0 4535 ± 4.138
6500
6000
5500
5000
4500
4000
3500

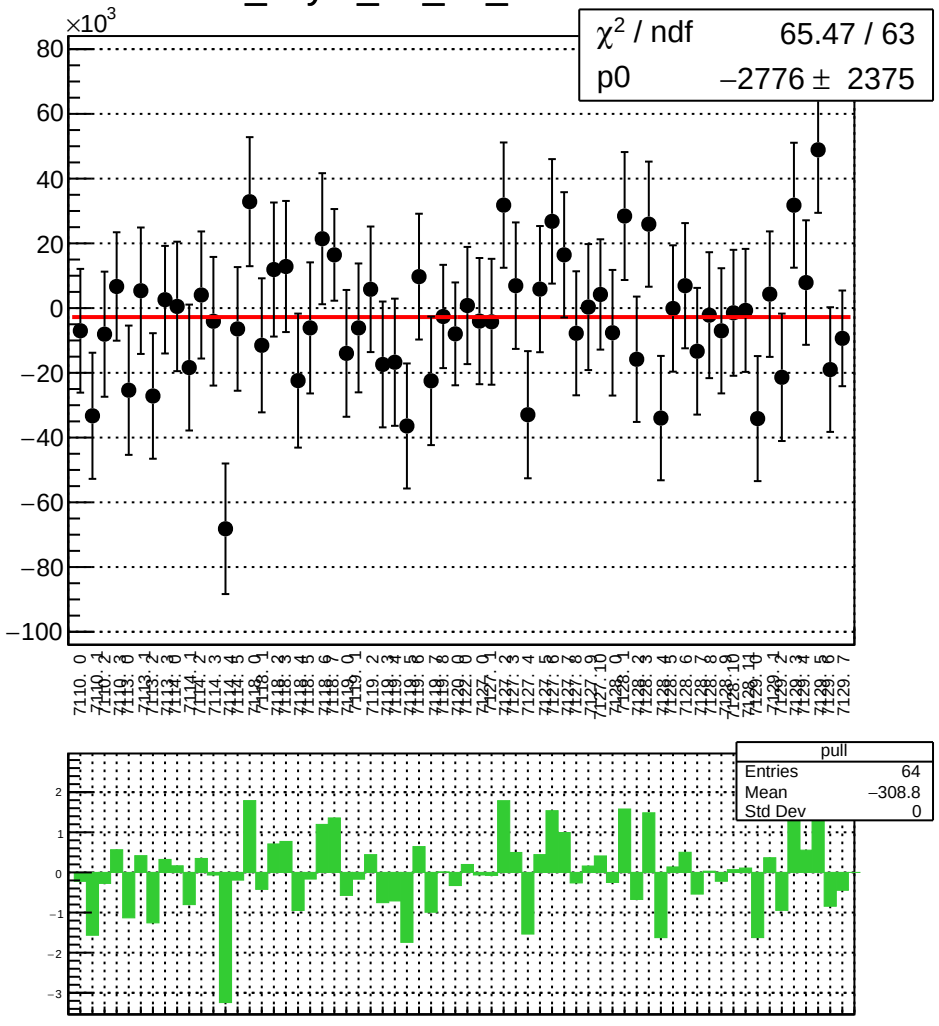

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 63.95 / 63
p0 −3081 ± 2336
pull
Entries 64
Mean −349.1
Std Dev 0
pull1D
Entries 64
Mean −0.008604
Std Dev 0.9996

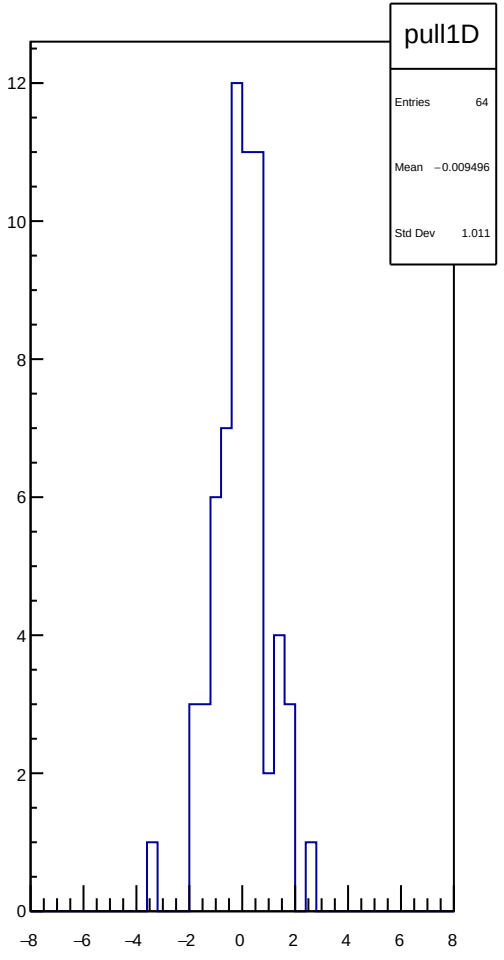

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 113.3 / 63
p0 1829 ± 1.652
1940
1920
1900
1880
1860
1840
1820
1800
1780

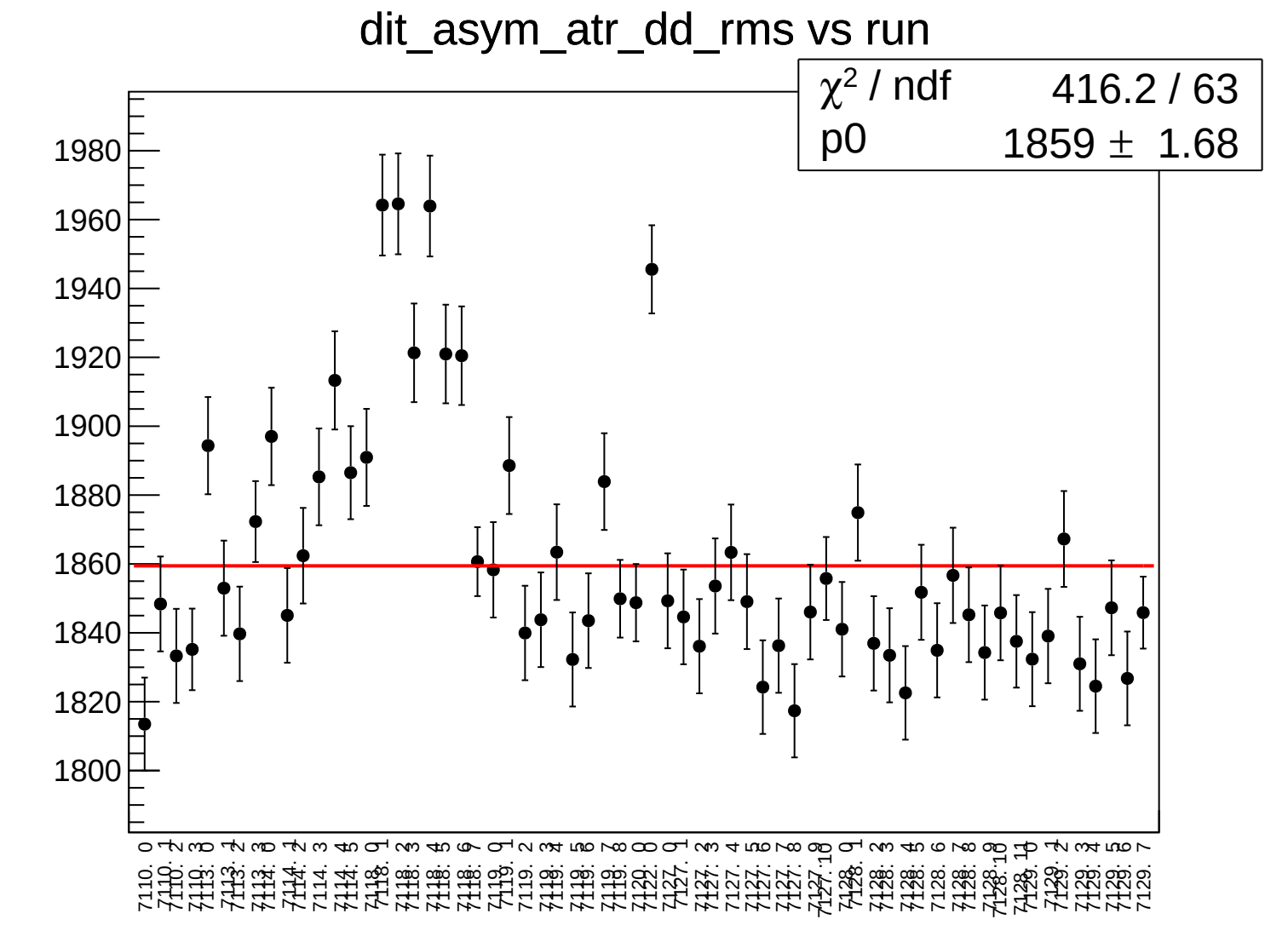

asym_atr_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.79 / 63
p0 226.2 ± 5852
×10³
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 64.43
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

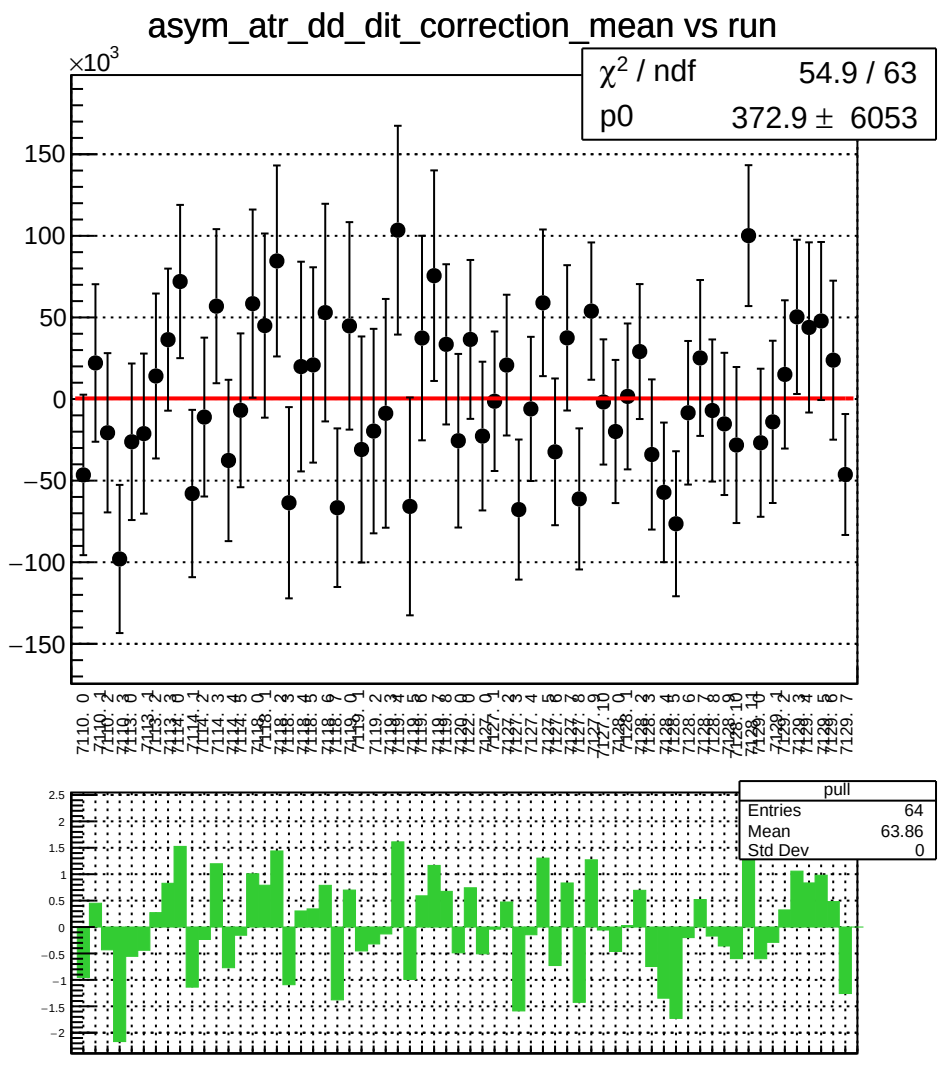

pull1D
Entries 64
Mean 0.02479
Std Dev 0.9249
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

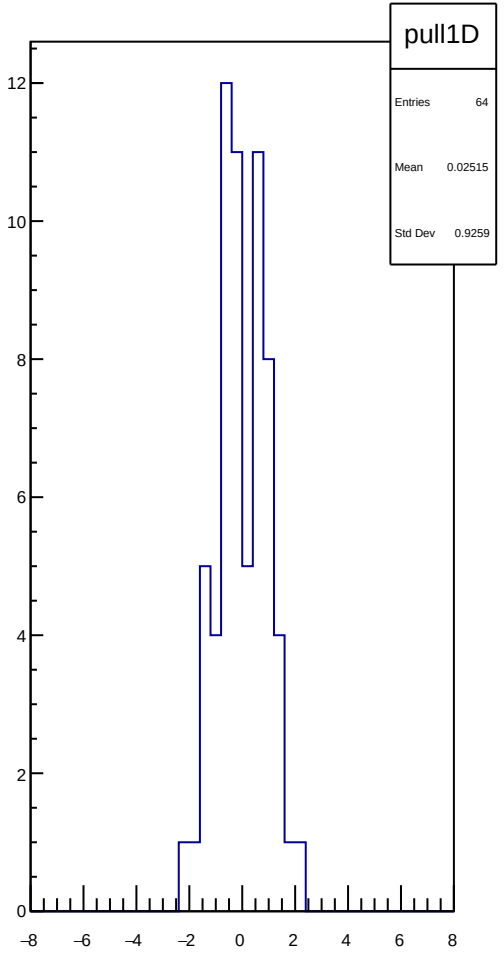

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.501e+04 / 63
p0 4535 ± 4.138
6500
6000
5500
5000
4500
4000
3500

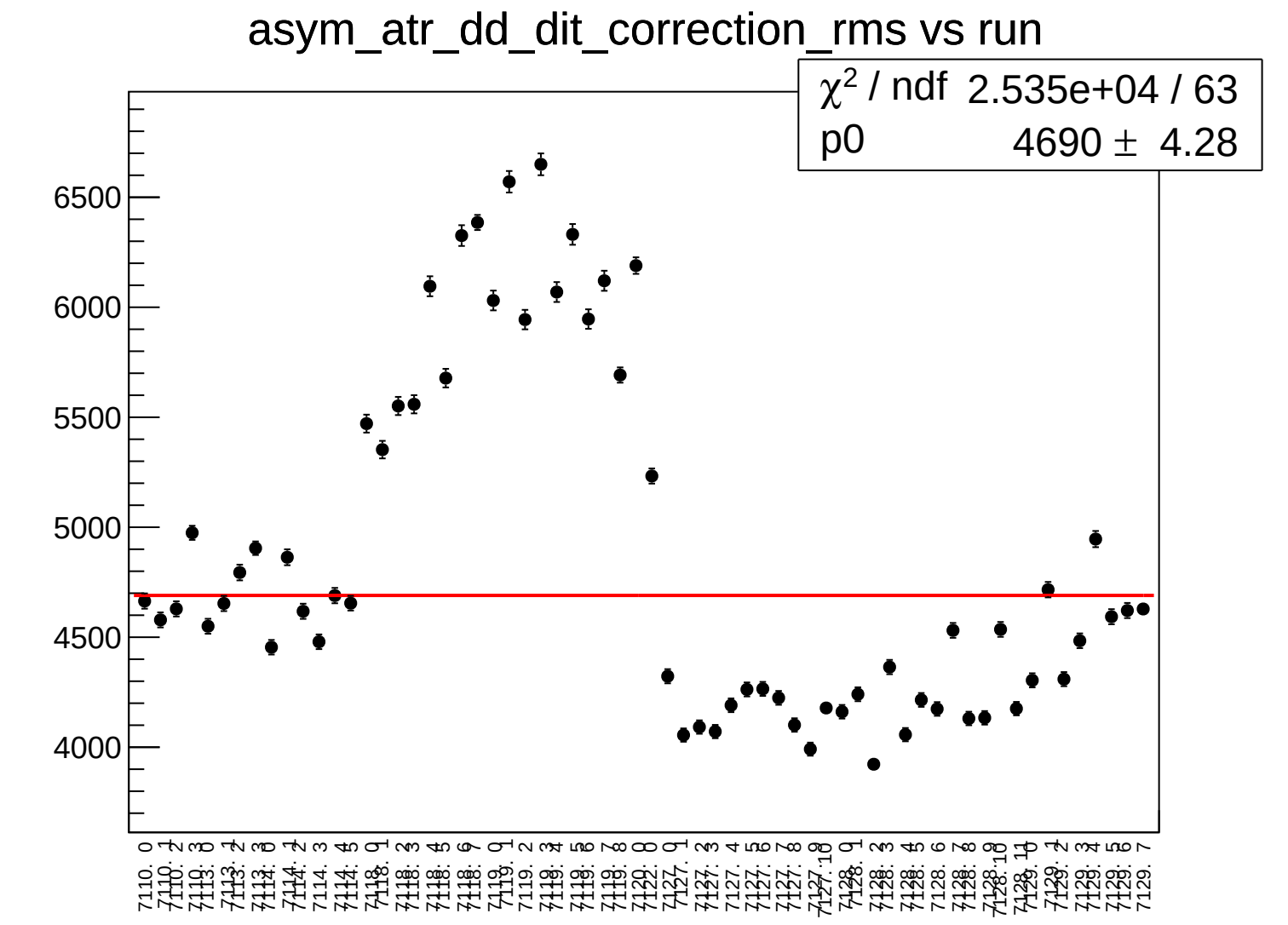

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 65.47 / 63
p0 −2776 ± 2375
pull
Entries 64
Mean −308.8
Std Dev 0

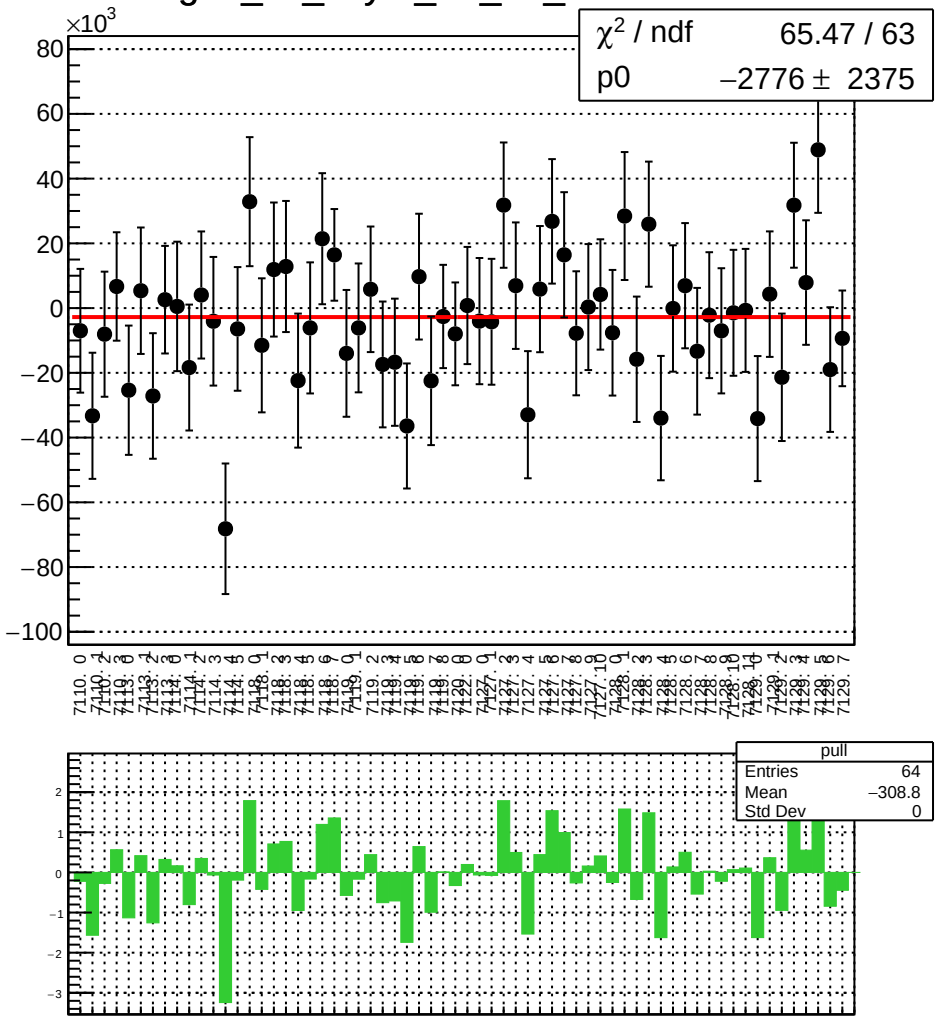

pull1D
Entries 64
Mean −0.009496
Std Dev 1.011

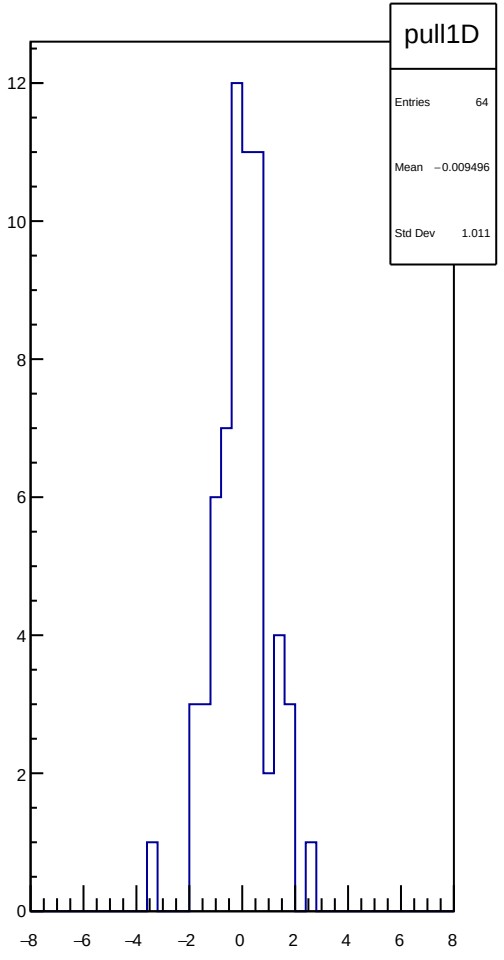

dit_asym_atr_dd_rms vs run
χ² / ndf 416.2 / 63
p0 1859 ± 1.68
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800

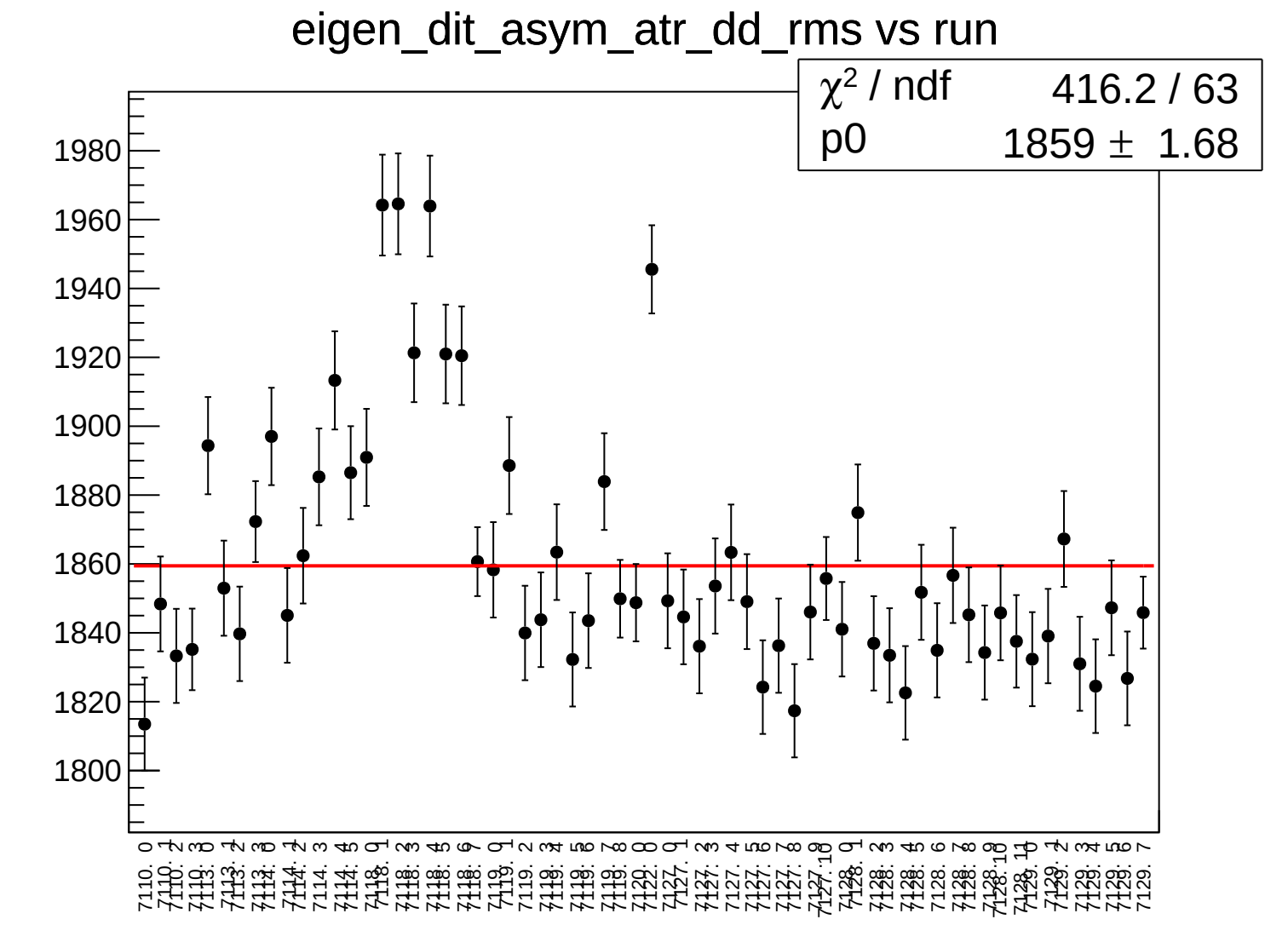

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 54.9 / 63
p0 372.9 ± 6053
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 63.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

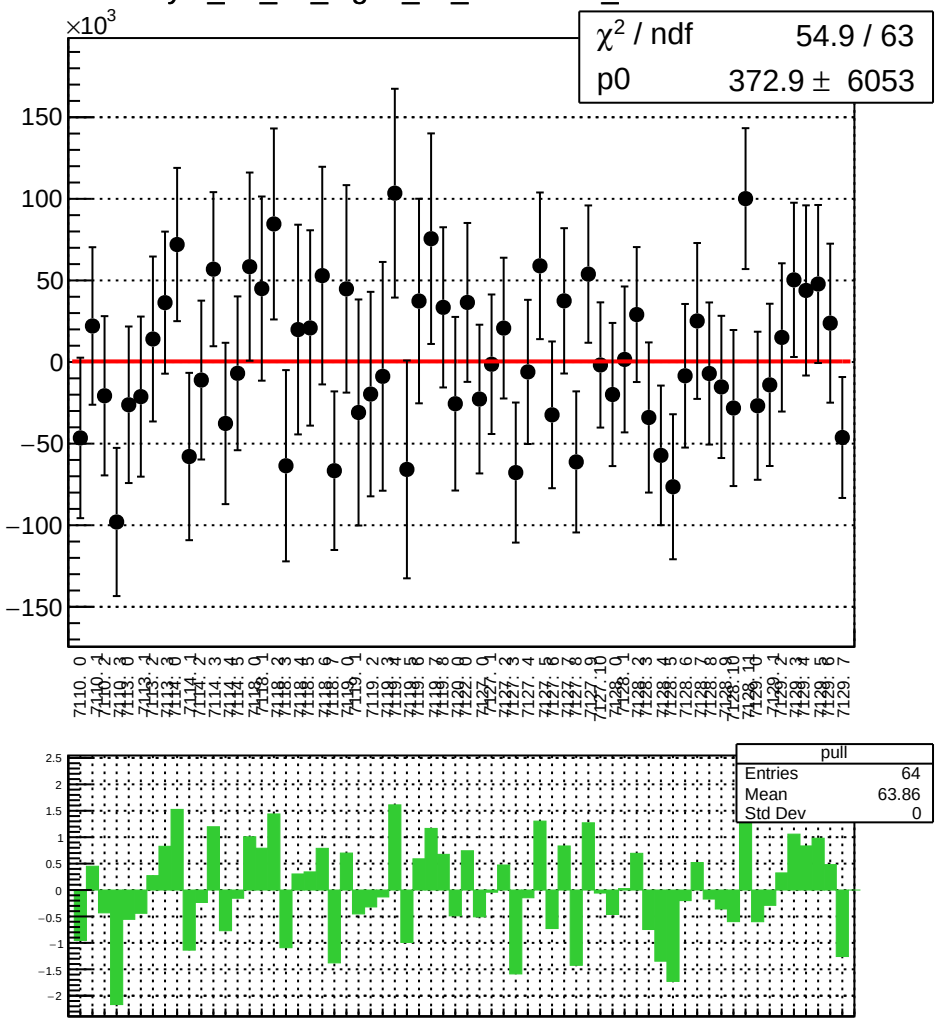

pull1D
Entries 64
Mean 0.02515
Std Dev 0.9259
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

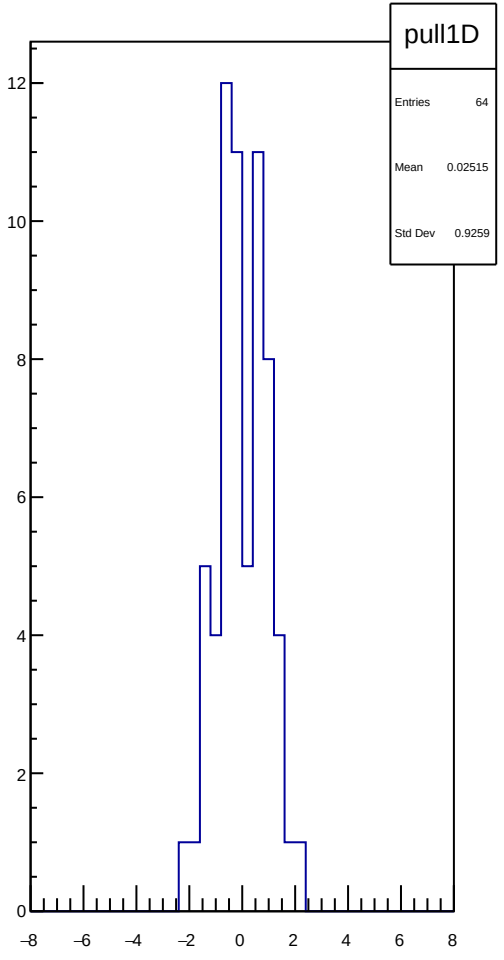

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 2.535e+04 / 63
p0 4690 ± 4.28
6500
6000
5500
5000
4500
4000

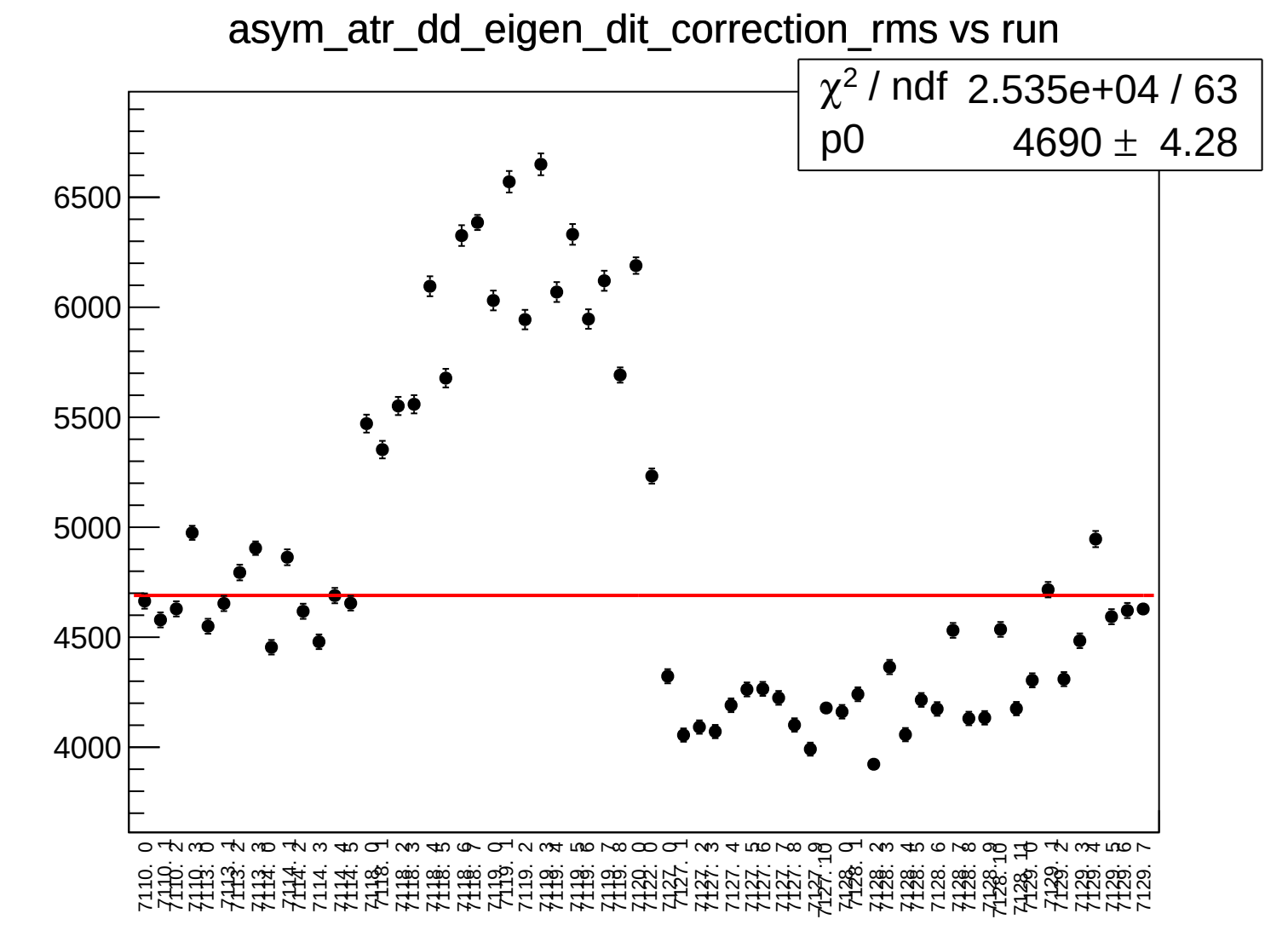

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 65.47 / 63
p0 −2776 ± 2375
pull
Entries 64
Mean −308.8
Std Dev 0

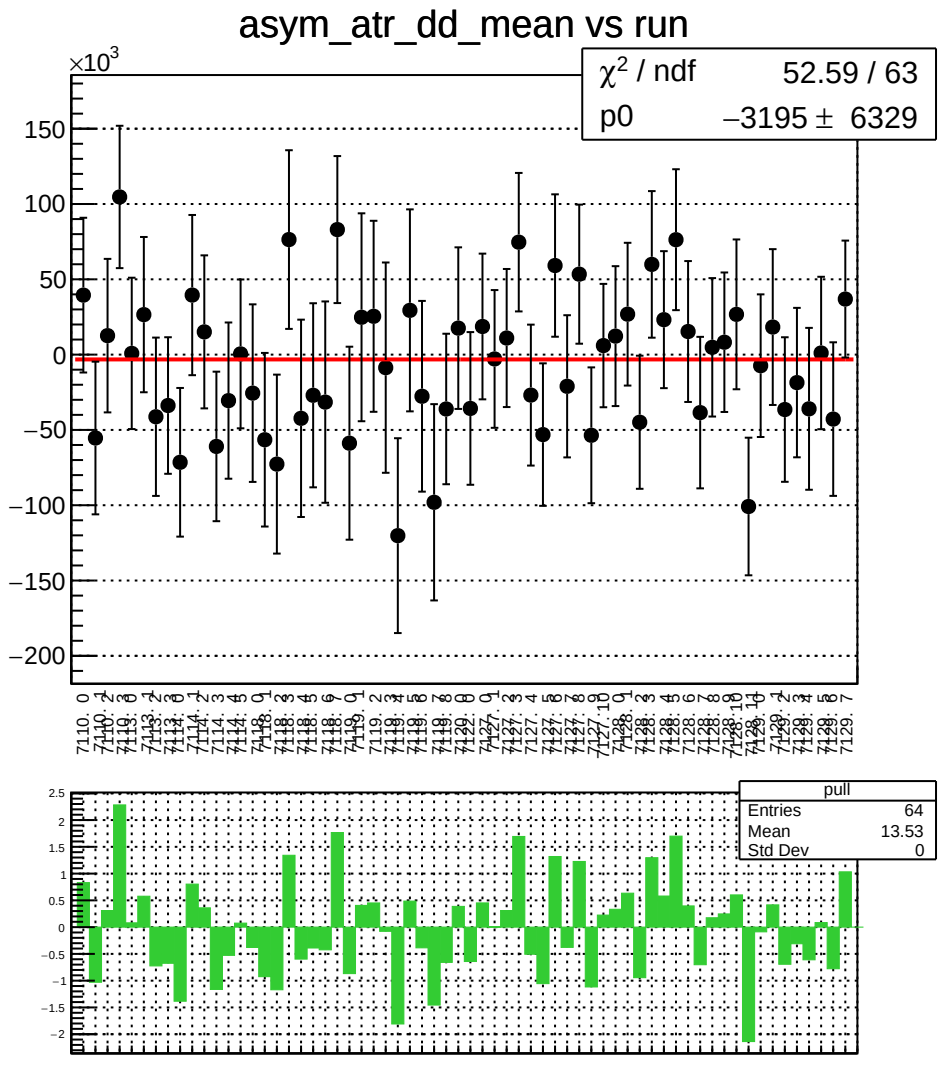

pull1D
Entries 64
Mean −0.009496
Std Dev 1.011

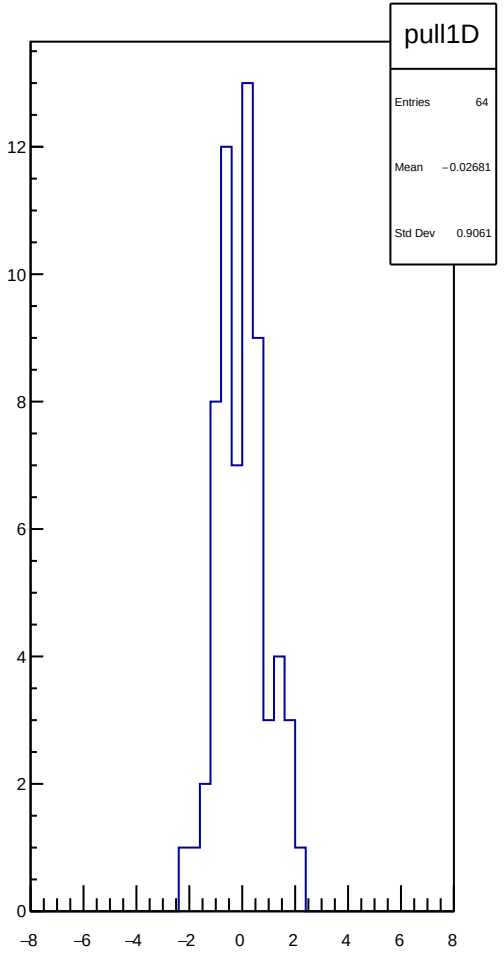

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 416.2 / 63
p0 1859 ± 1.68
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800

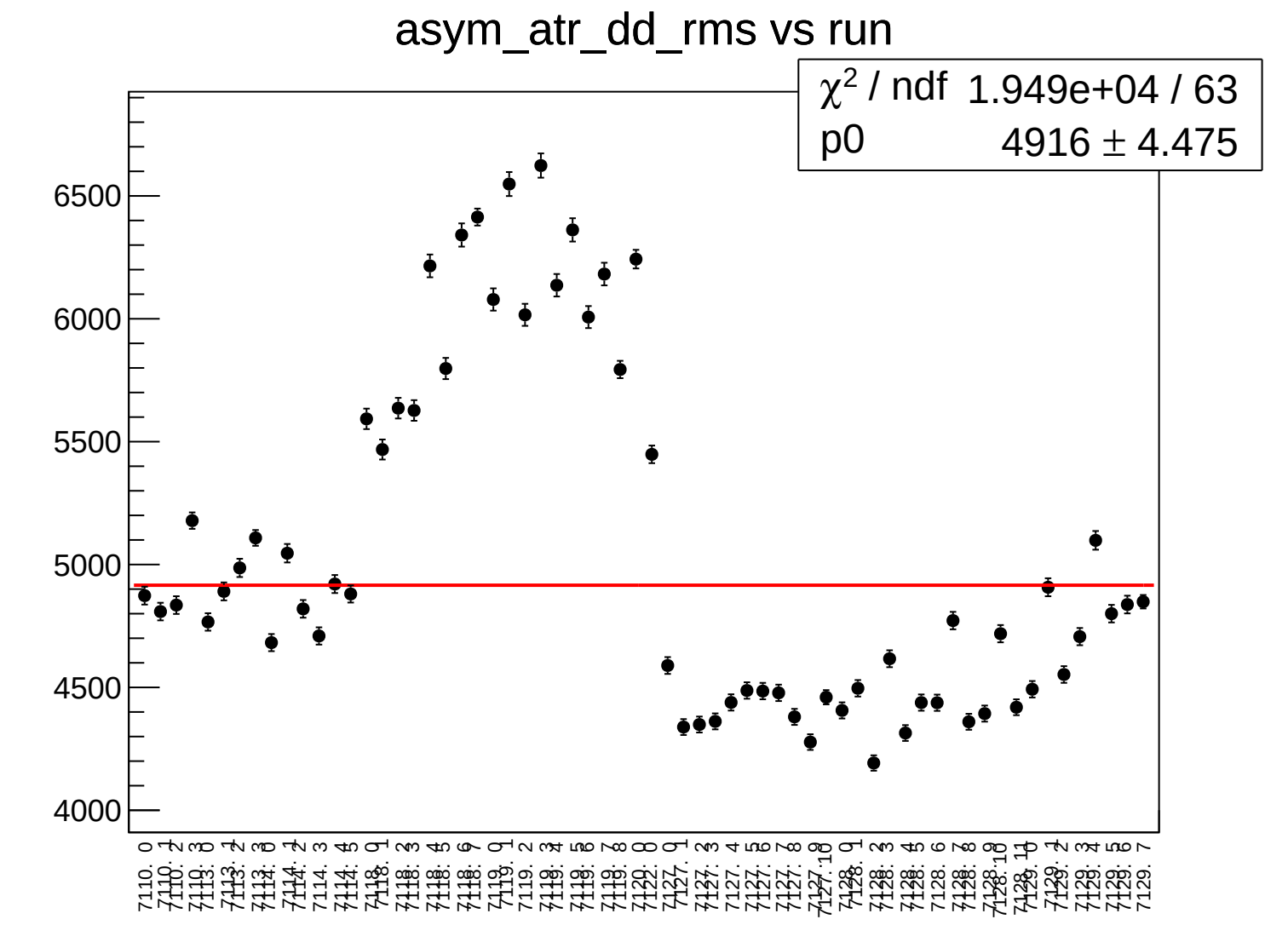

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.9 / 63
p0 372.9 ± 6053
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 63.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

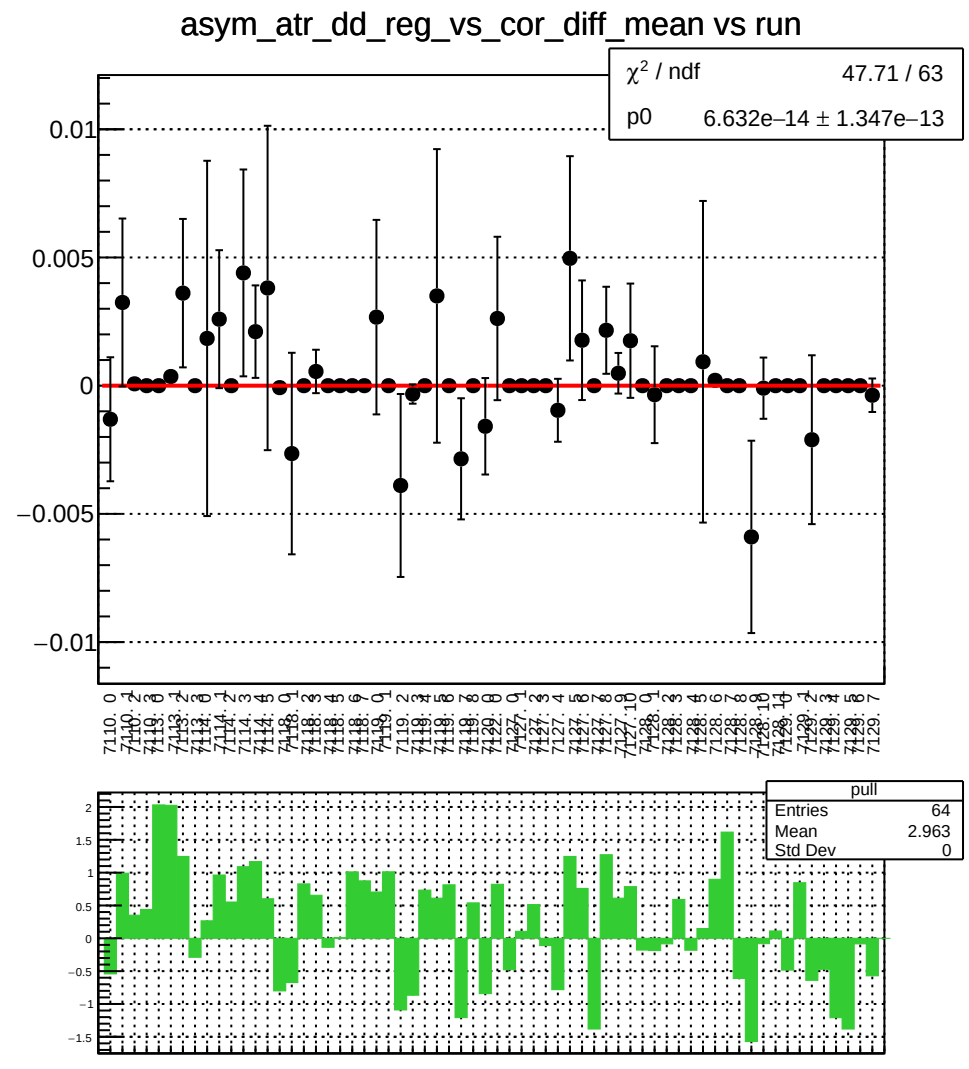

pull1D
Entries 64
Mean 0.02515
Std Dev 0.9259
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

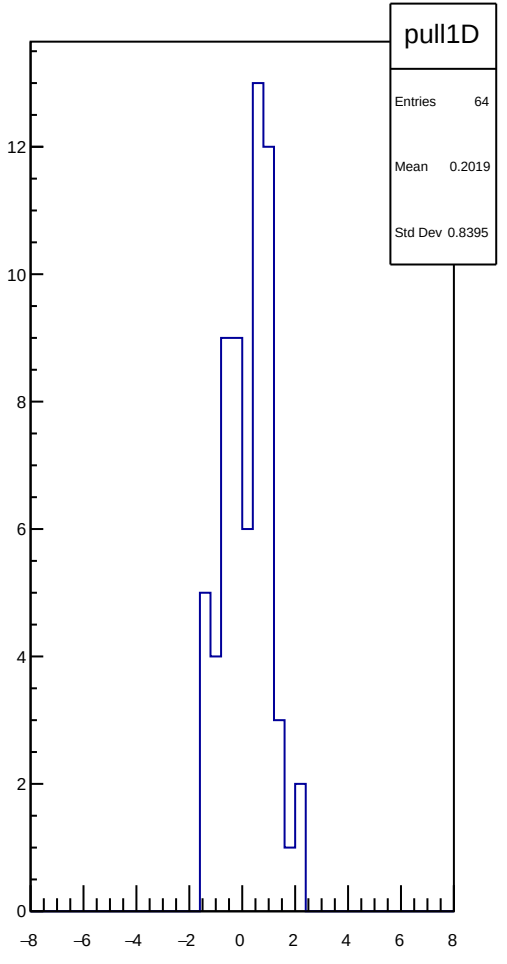

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.535e+04 / 63
p0 4690 ± 4.28
6500
6000
5500
5000
4500
4000

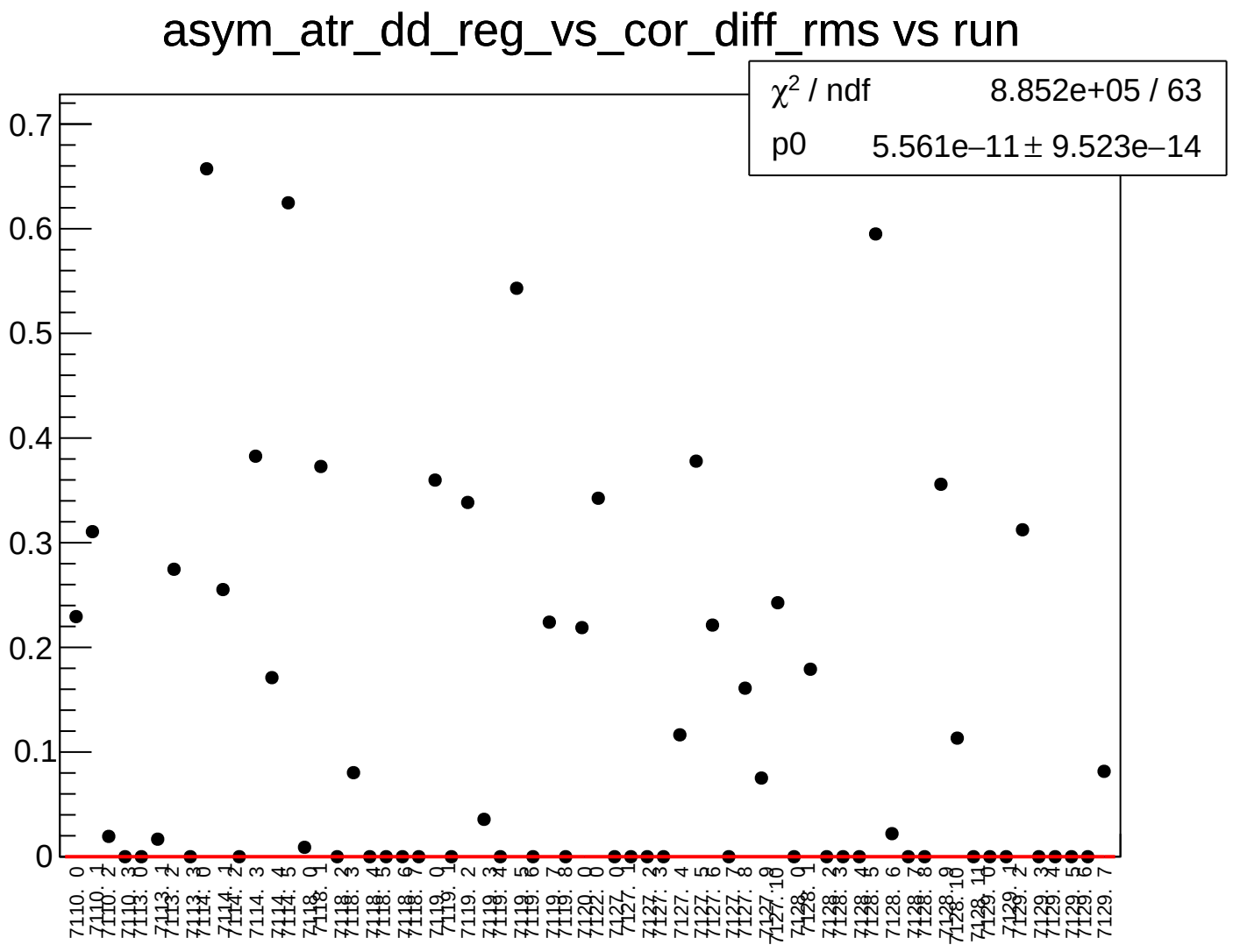

asym_atr_dd_mean vs run
×10^3
χ² / ndf 52.59 / 63
p0 −3195 ± 6329
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 13.53
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

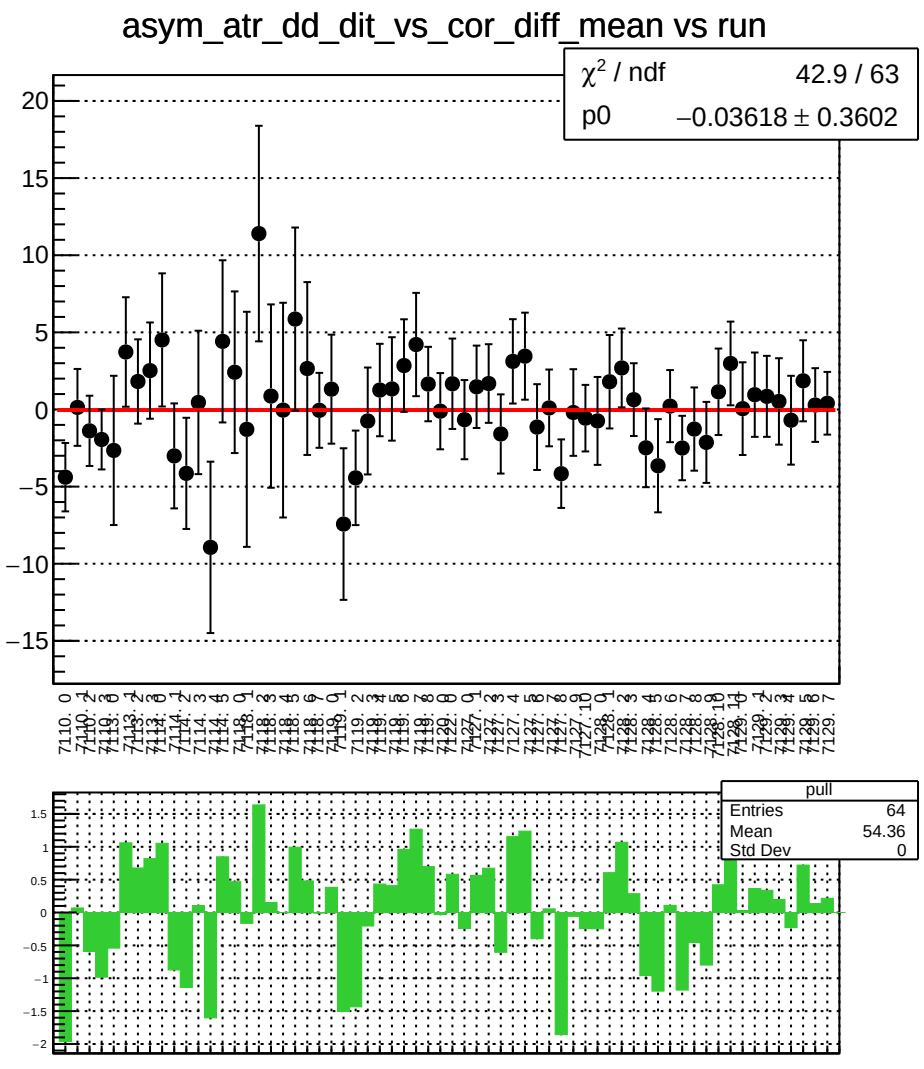

pull1D
Entries 64
Mean −0.02681
Std Dev 0.9061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

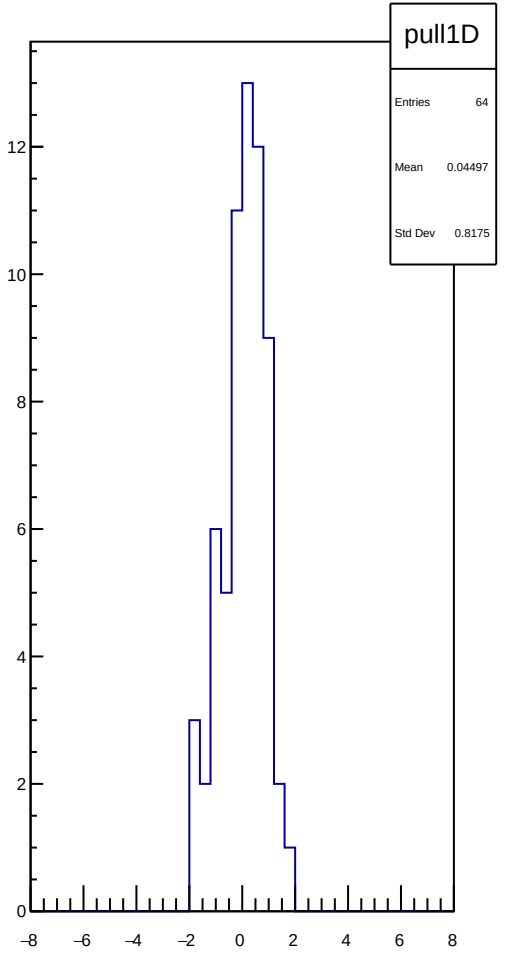

asym_atr_dd_rms vs run
χ² / ndf 1.949e+04 / 63
p0 4916 ± 4.475
6500
6000
5500
5000
4500
4000

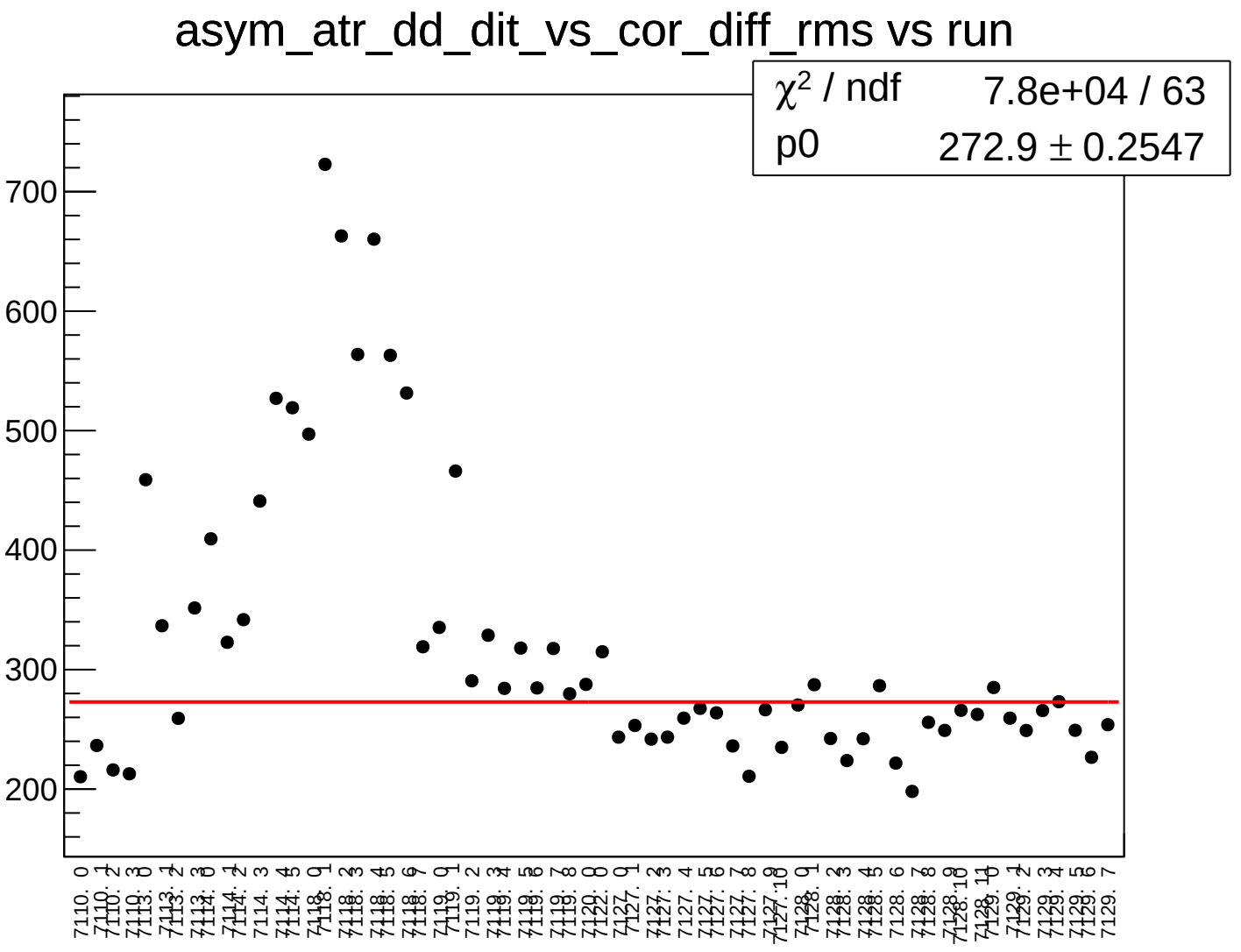

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.71 / 63
p0 6.632e−14 ± 1.347e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 64
Mean 2.963
Std Dev 0

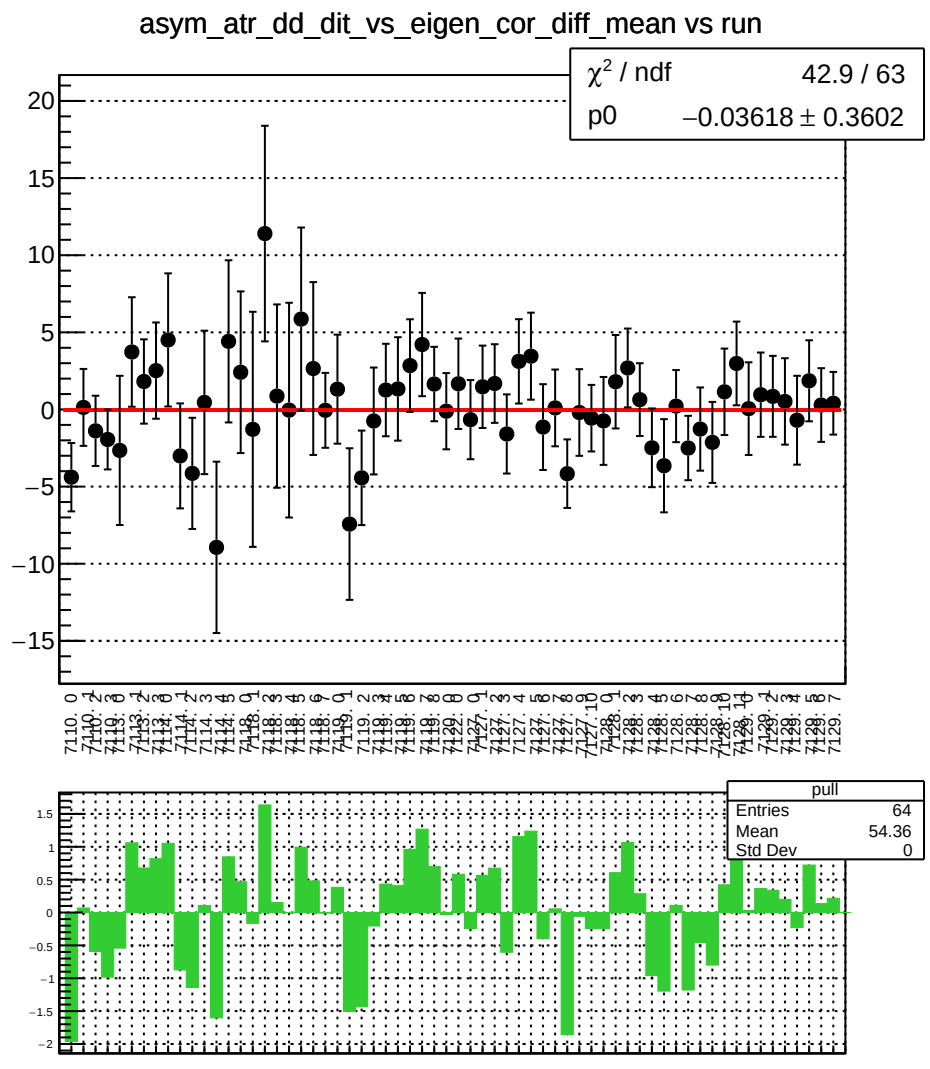

pull1D
Entries 64
Mean 0.2019
Std Dev 0.8395

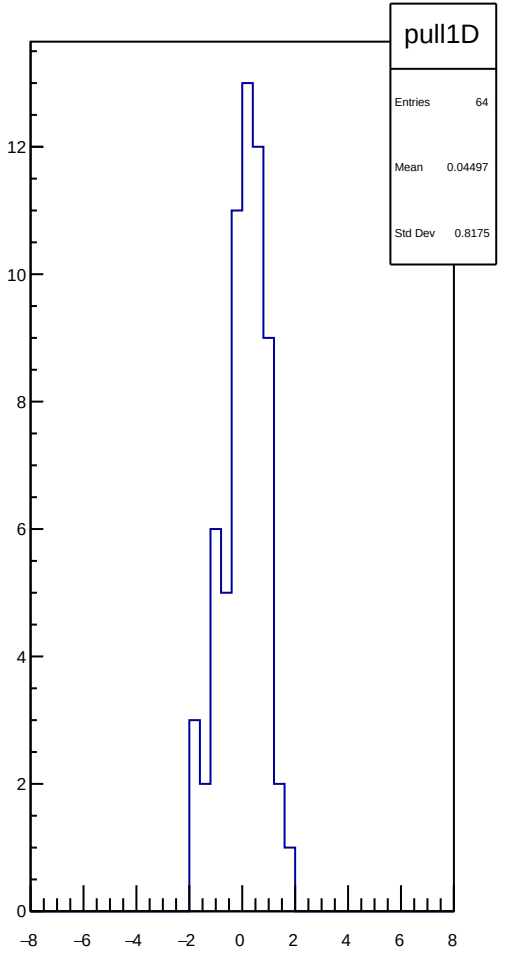

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.852e+05 / 63
p0 5.561e−11 ± 9.523e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

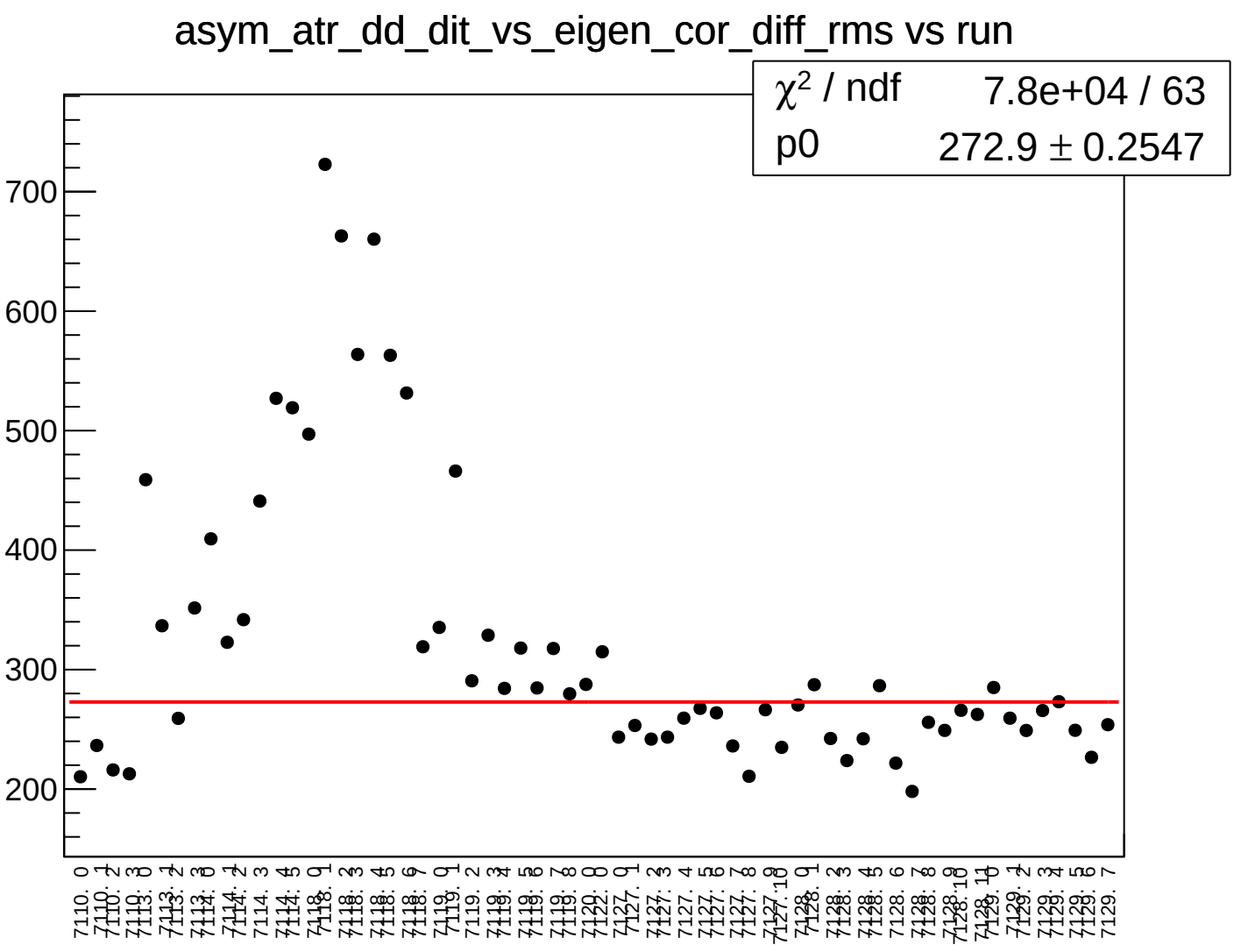

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.9 / 63
p0 −0.03618 ± 0.3602
pull
Entries 64
Mean 54.36
Std Dev 0

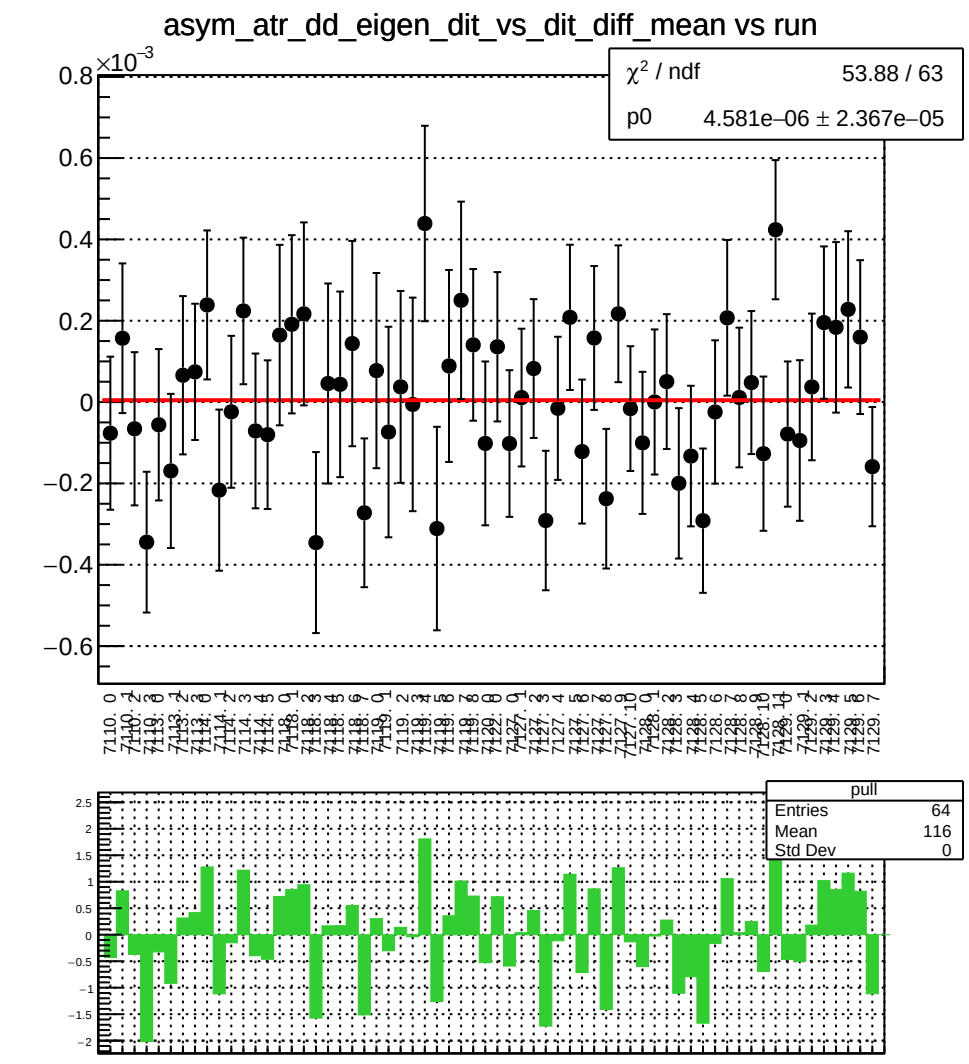

pull1D
Entries 64
Mean 0.04497
Std Dev 0.8175

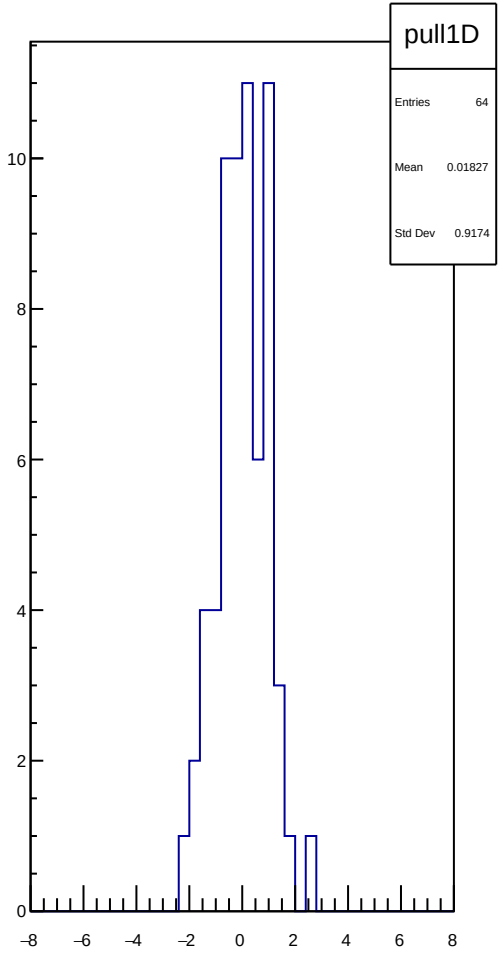

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.8e+04 / 63
p0 272.9 ± 0.2547
700
600
500
400
300
200

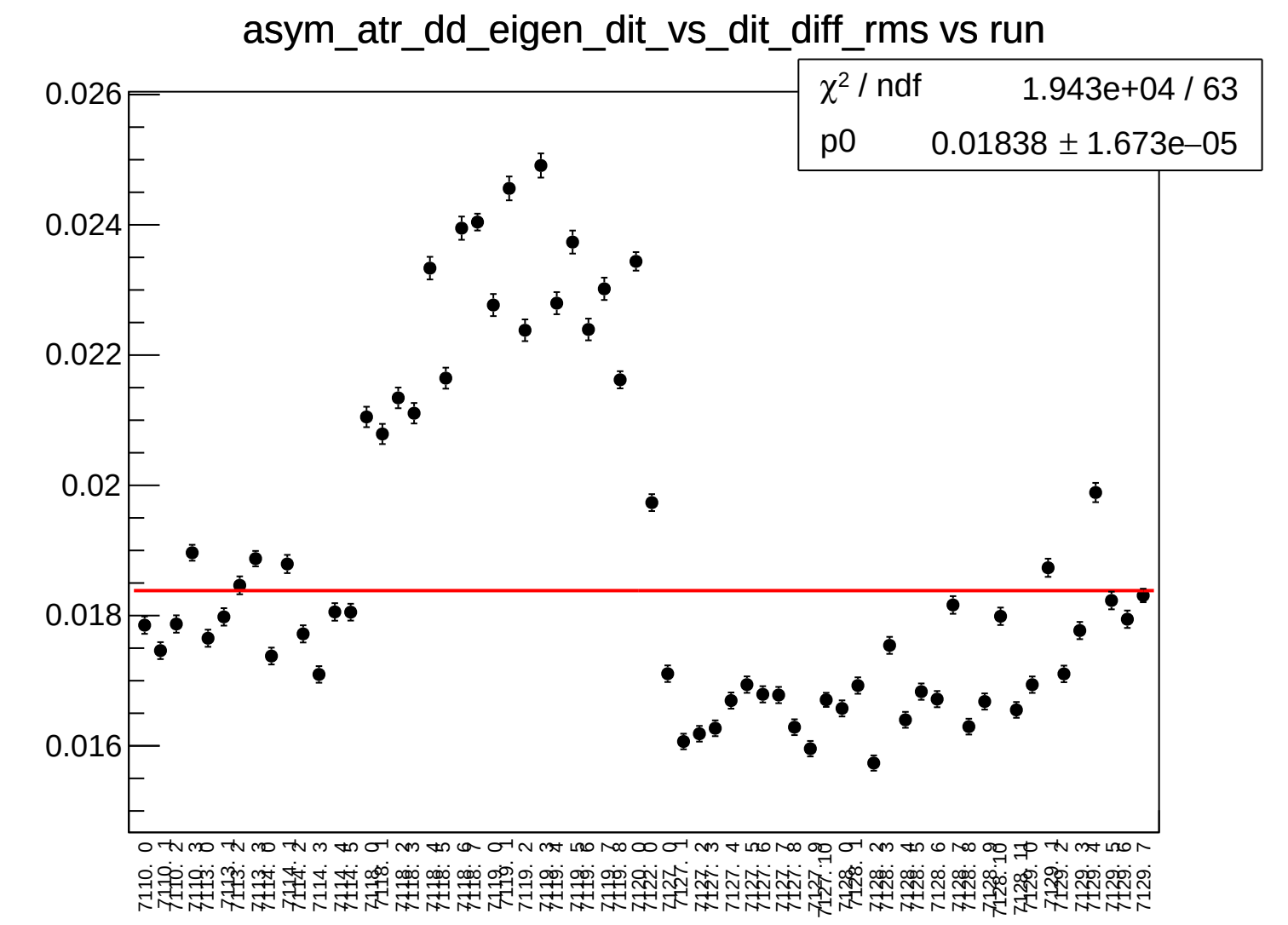

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.9 / 63
p0 −0.03618 ± 0.3602
pull
Entries 64
Mean 54.36
Std Dev 0

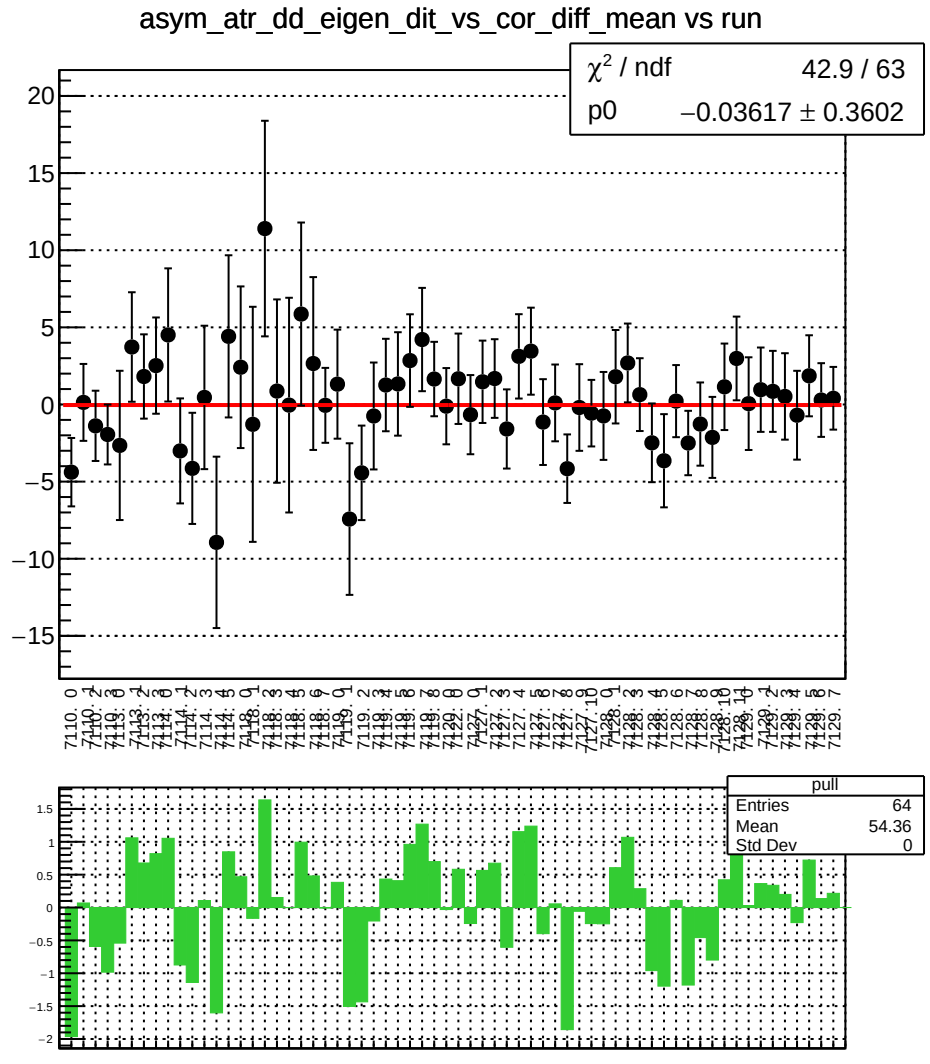

pull1D
Entries 64
Mean 0.04497
Std Dev 0.8175

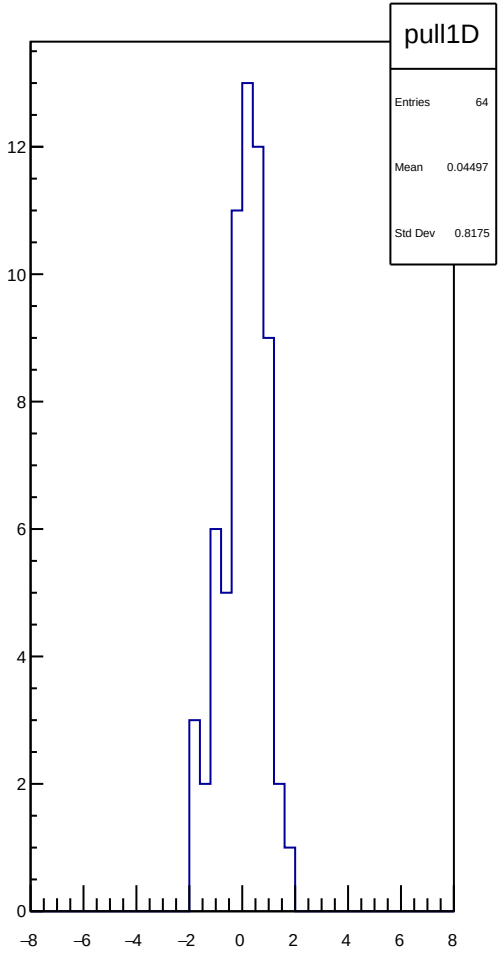

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.8e+04 / 63
p0 272.9 ± 0.2547
700
600
500
400
300
200

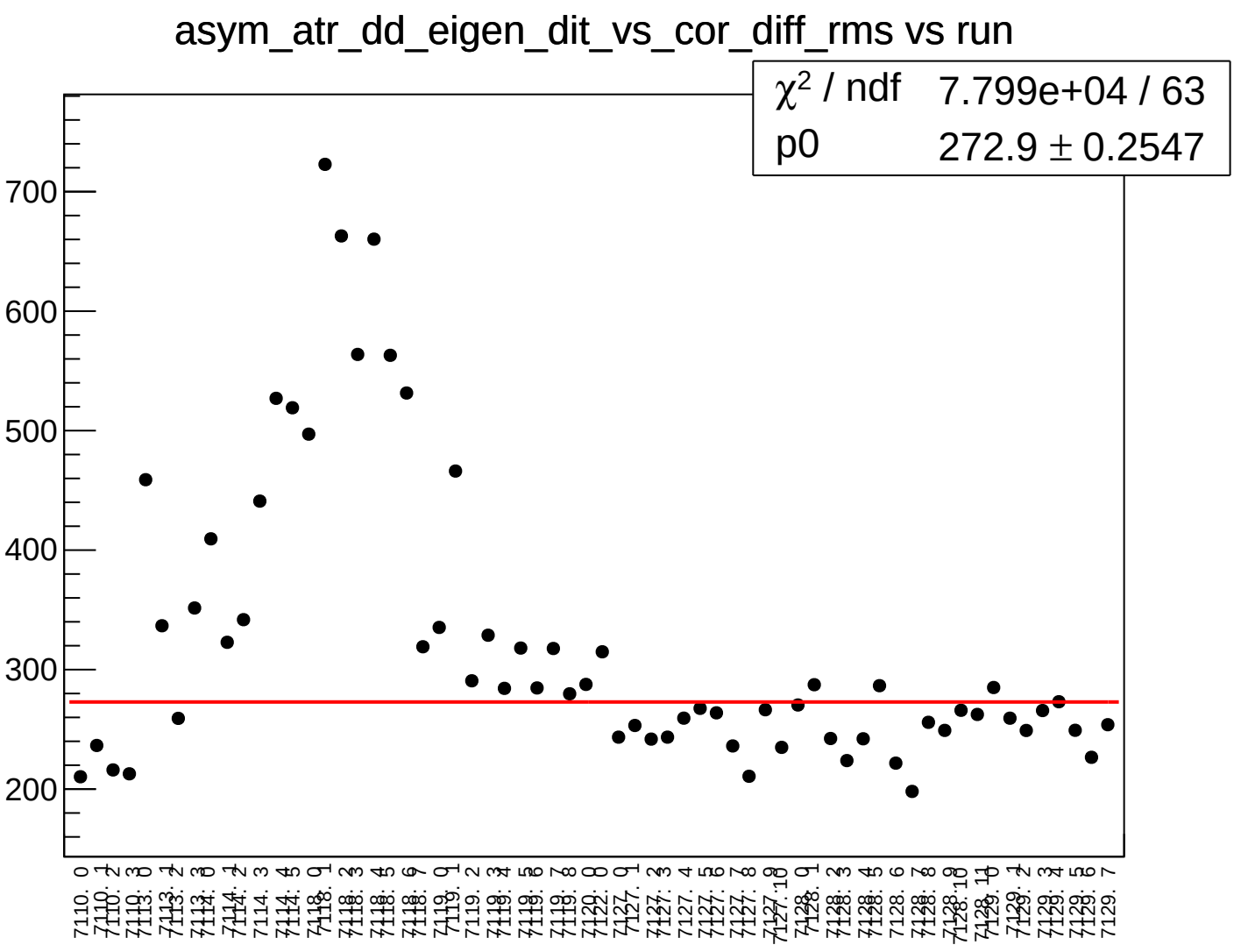

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.88 / 63
p0 4.581e−06 ± 2.367e−05
pull
Entries 64
Mean 116
Std Dev 0


pull1D
Entries 64
Mean 0.01827
Std Dev 0.9174

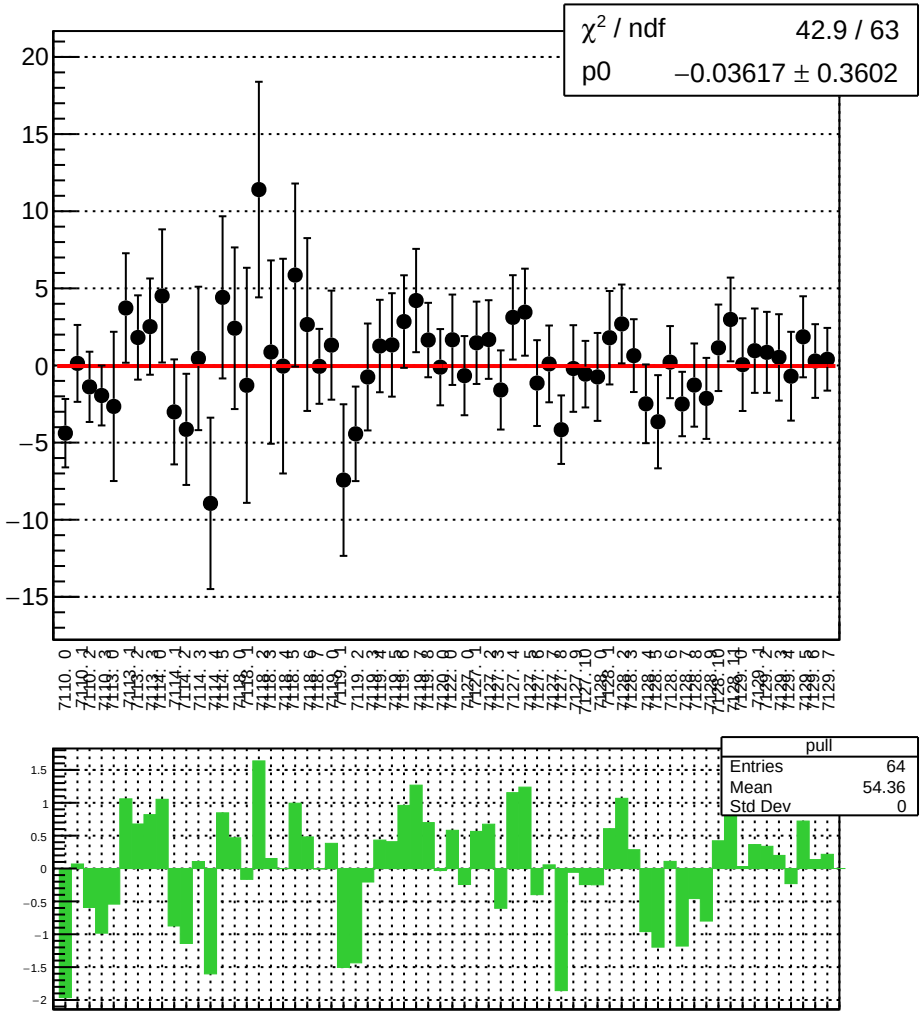

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.943e+04 / 63
p0 0.01838 ± 1.673e–05
0.026
0.024
0.022
0.02
0.018
0.016

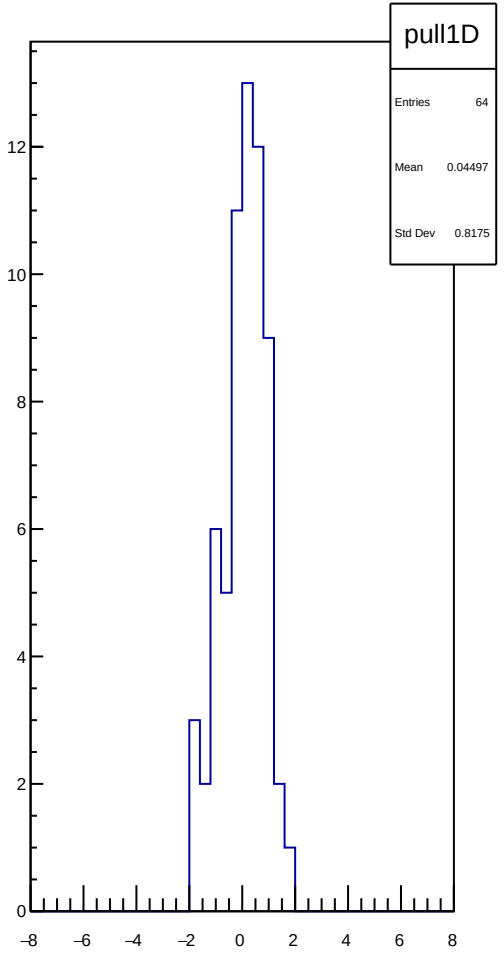

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.9 / 63
p0 −0.03617 ± 0.3602
pull
Entries 64
Mean 54.36
Std Dev 0

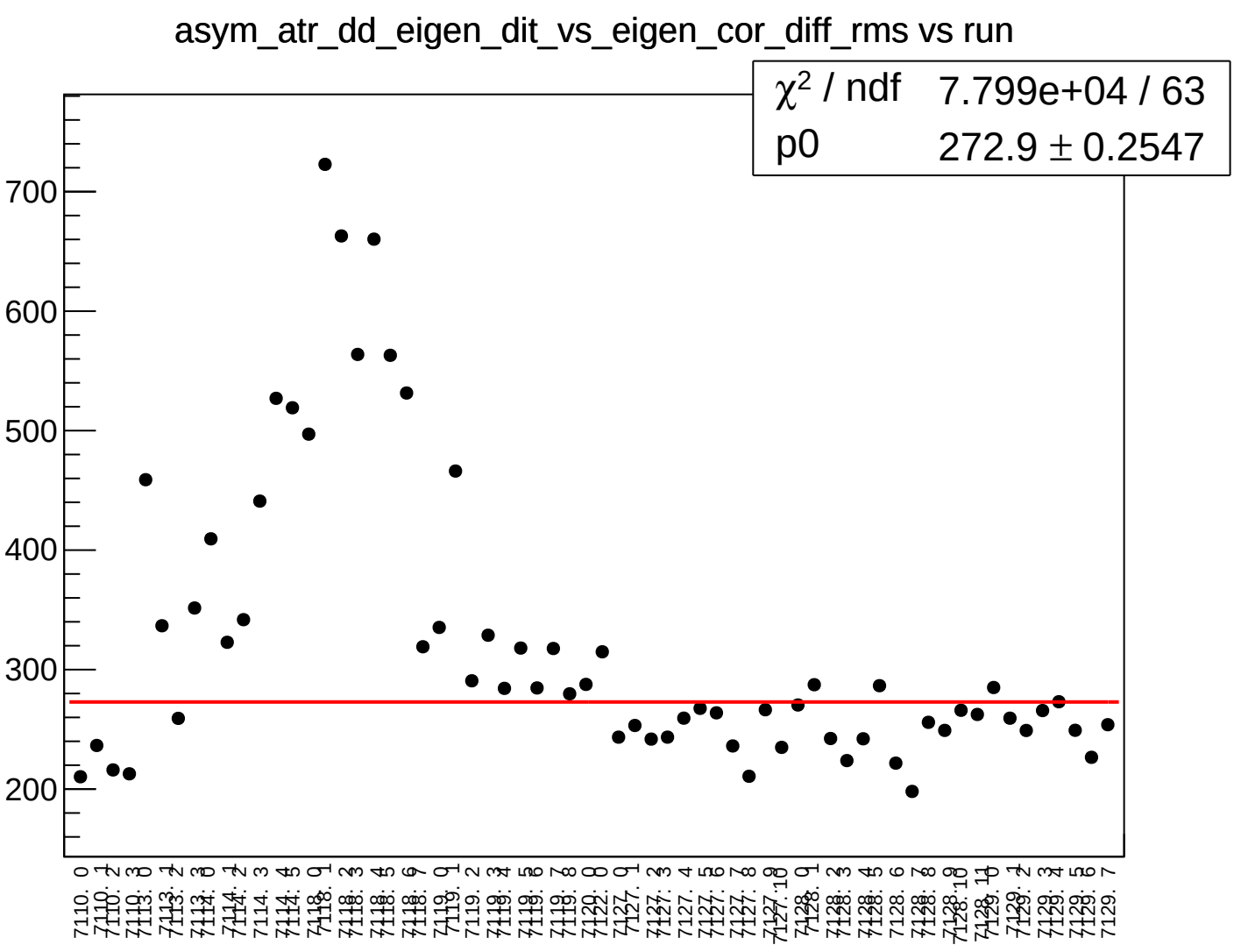

pull1D
Entries 64
Mean 0.04497
Std Dev 0.8175

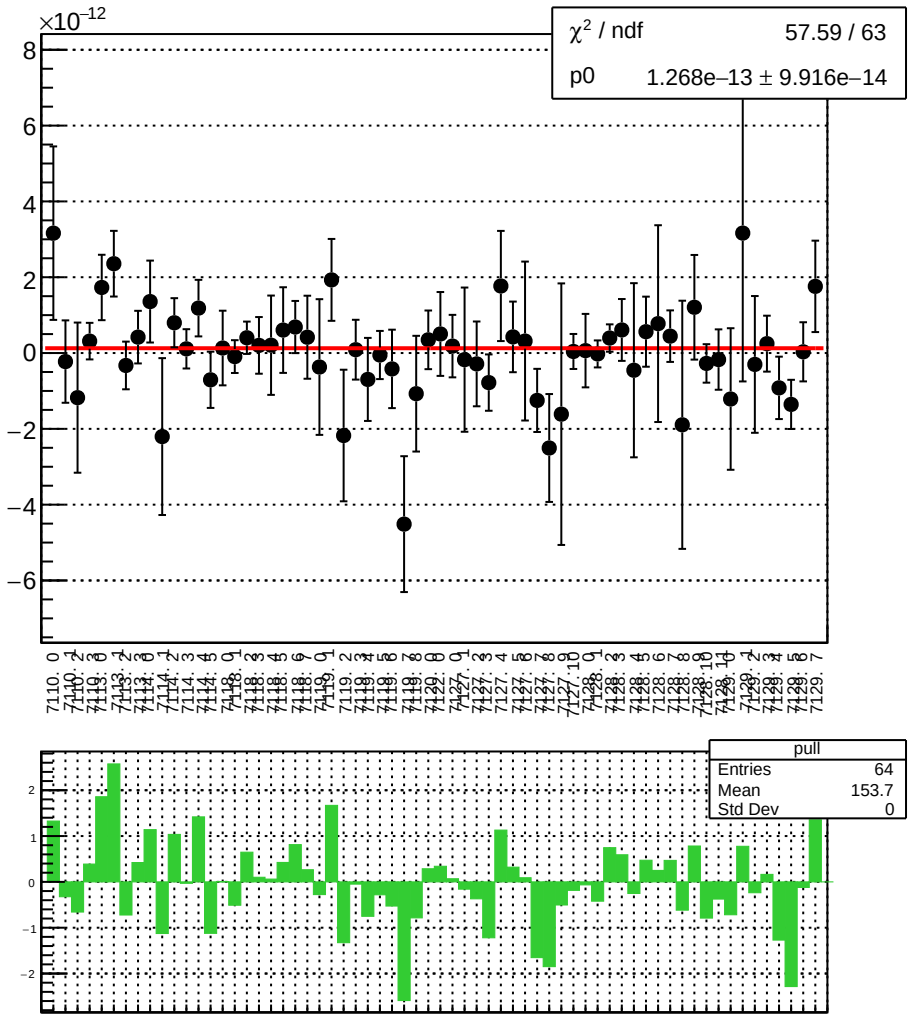

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.799e+04 / 63
p0 272.9 ± 0.2547
700
600
500
400
300
200

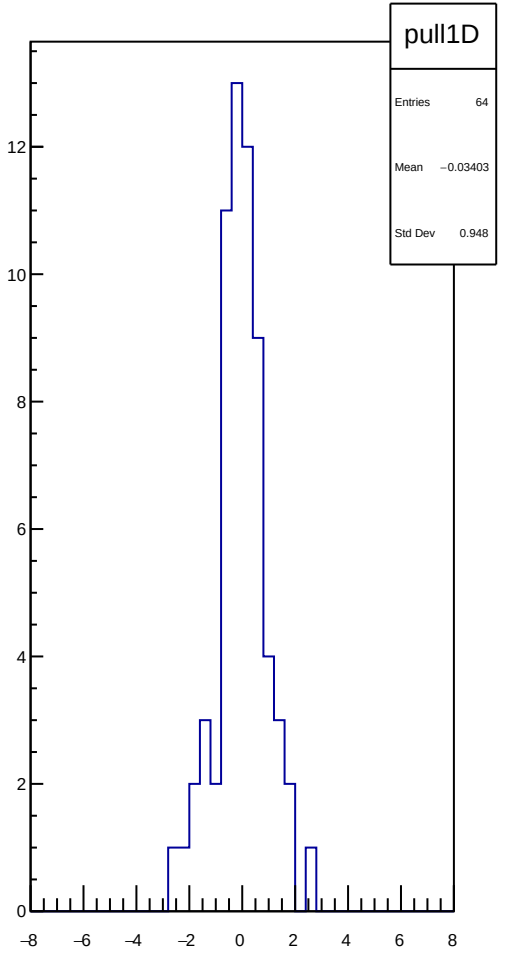
asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

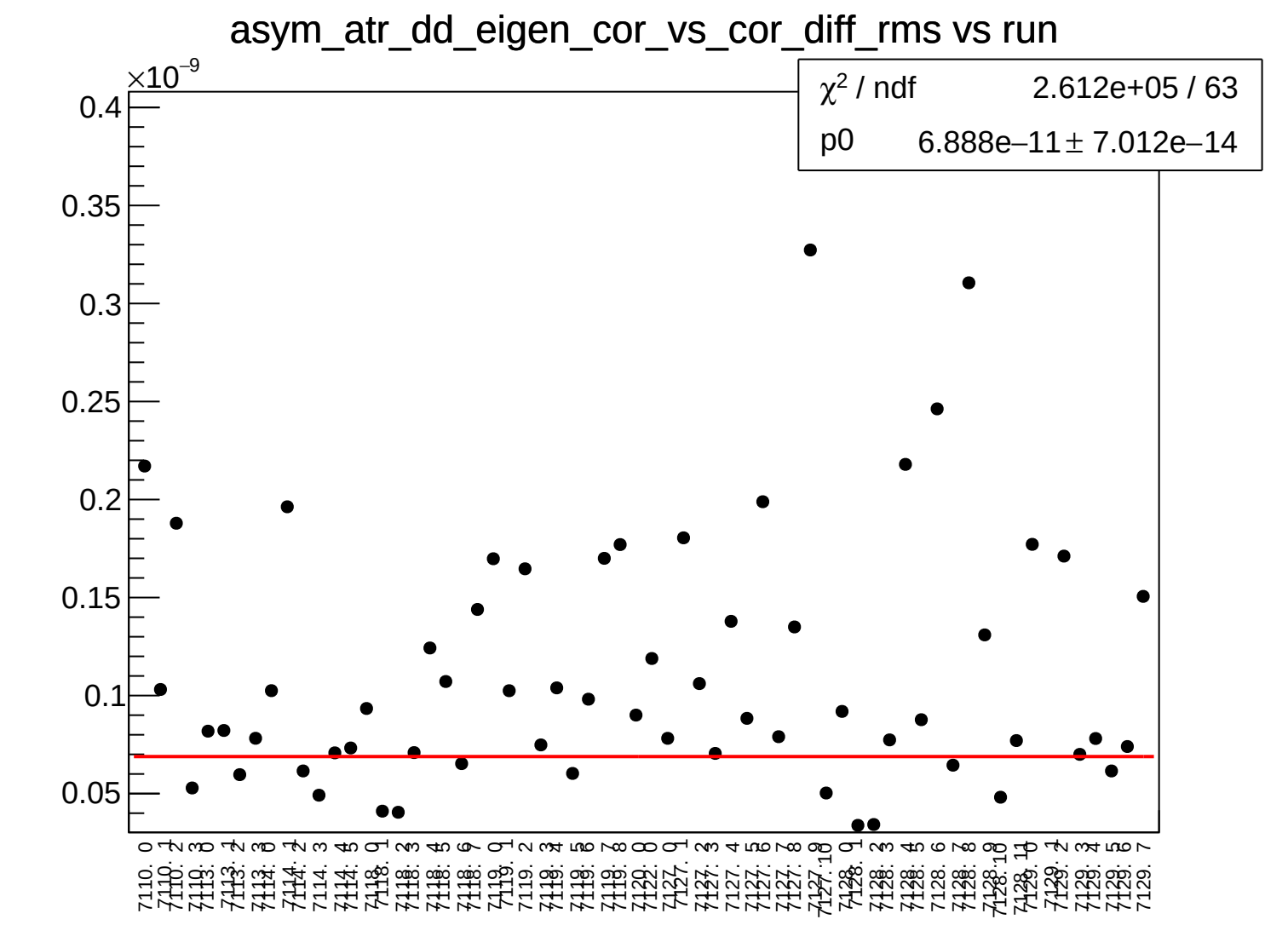


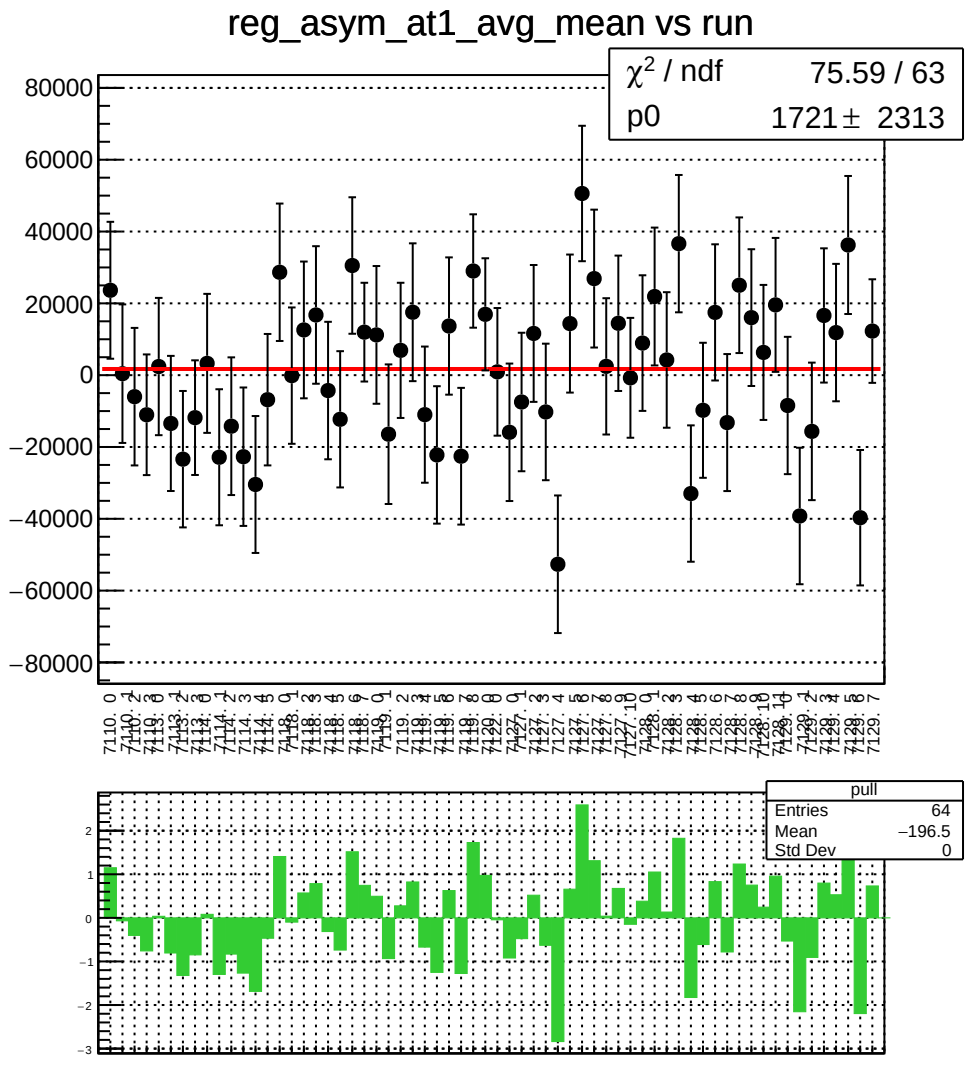


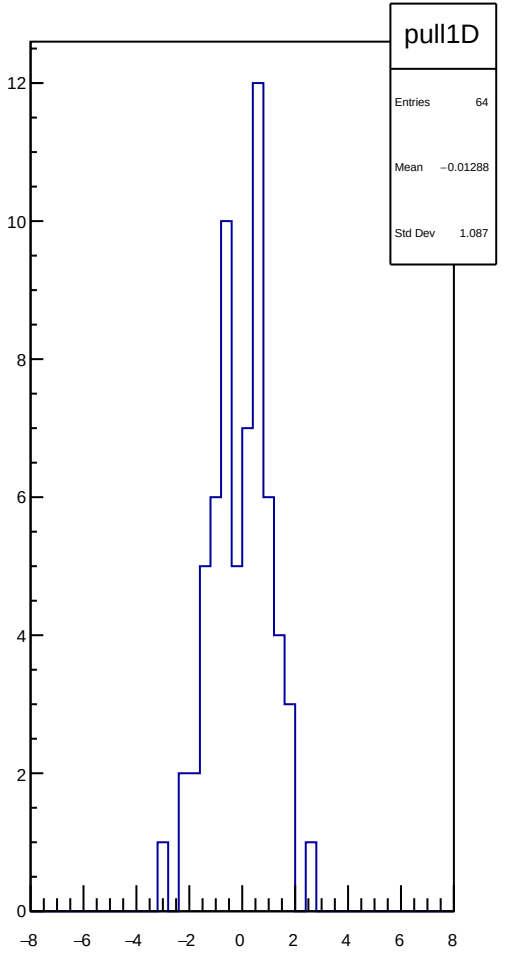

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.799e+04 / 63
p0 272.9 ± 0.2547
700
600
500
400
300
200

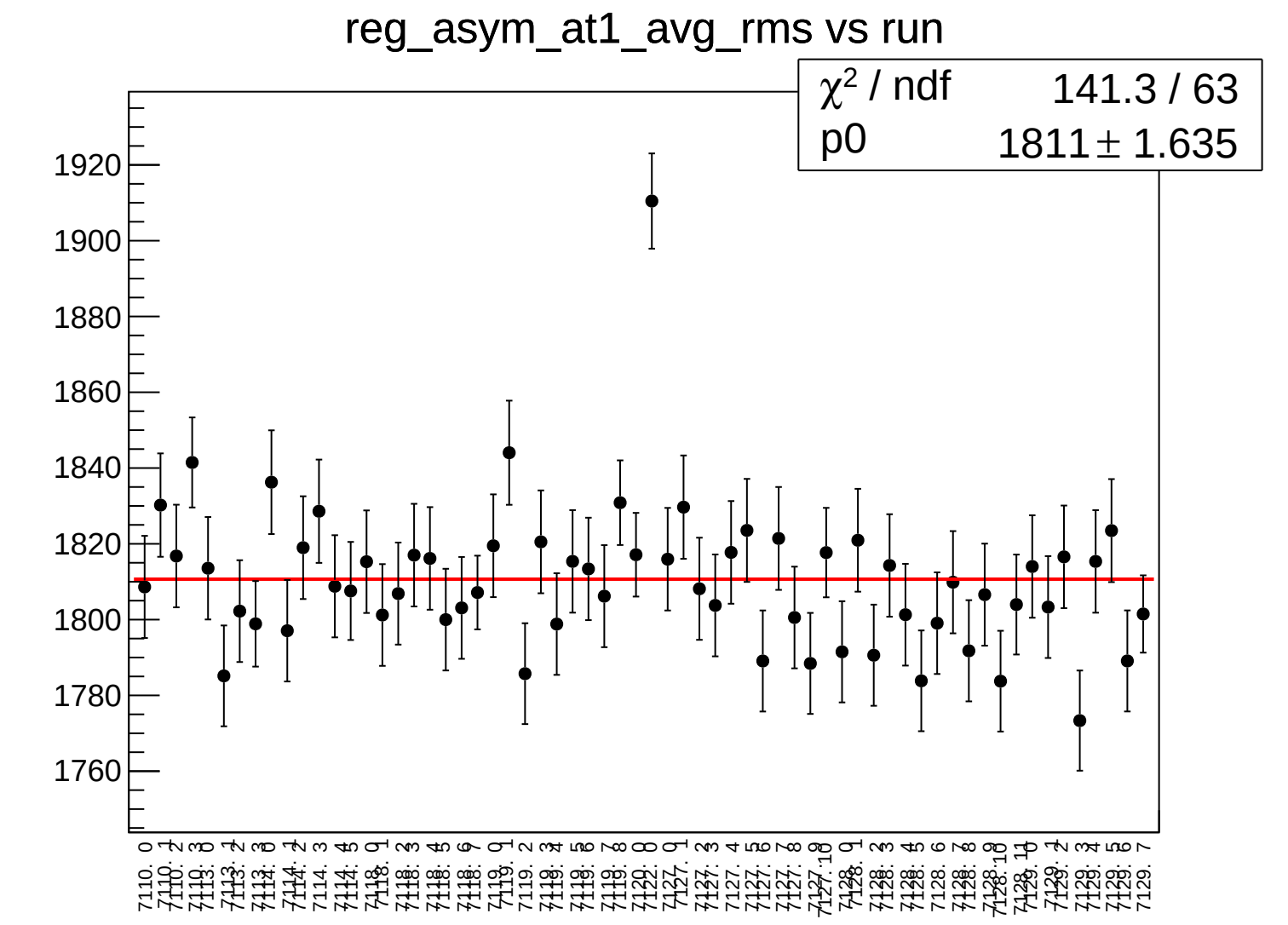

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.59 / 63
p0 1.268e−13 ± 9.916e−14
pull
Entries 64
Mean 153.7
Std Dev 0

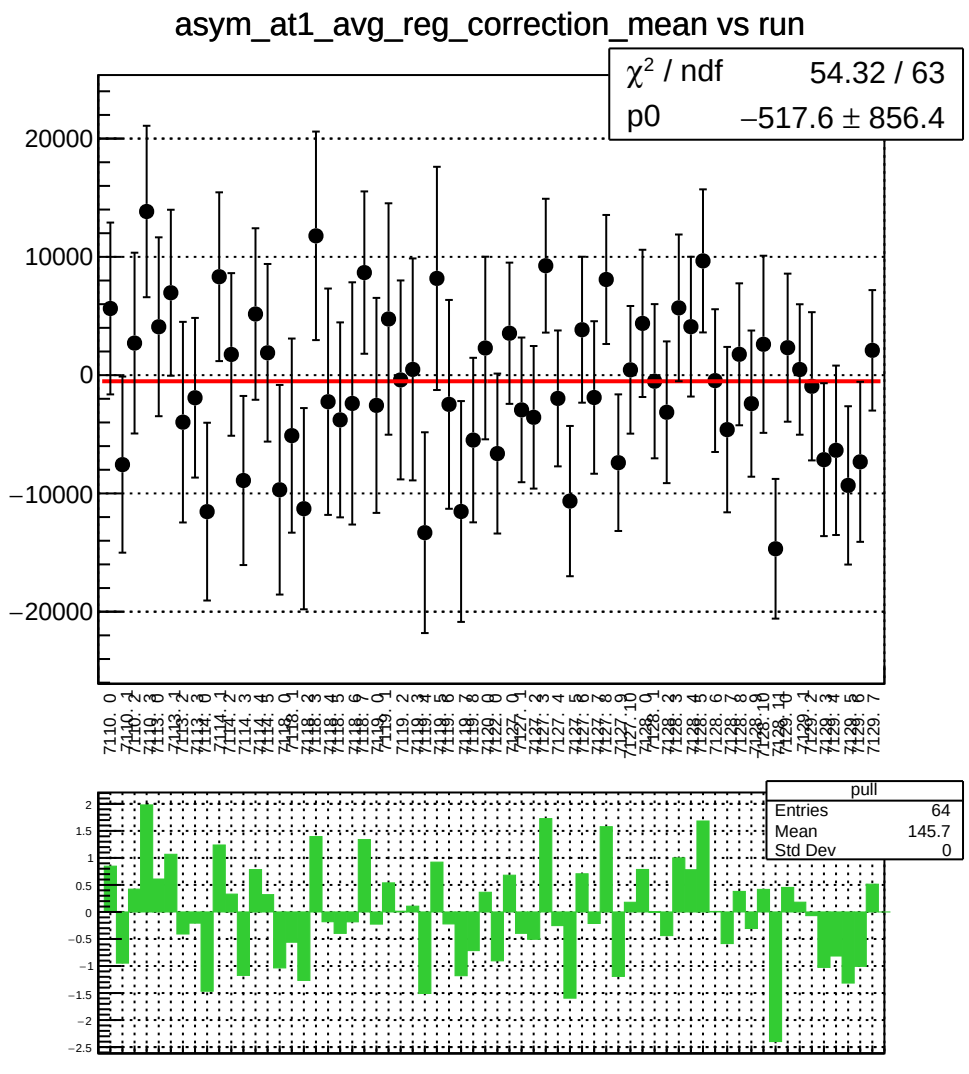

pull1D
Entries 64
Mean −0.03403
Std Dev 0.948

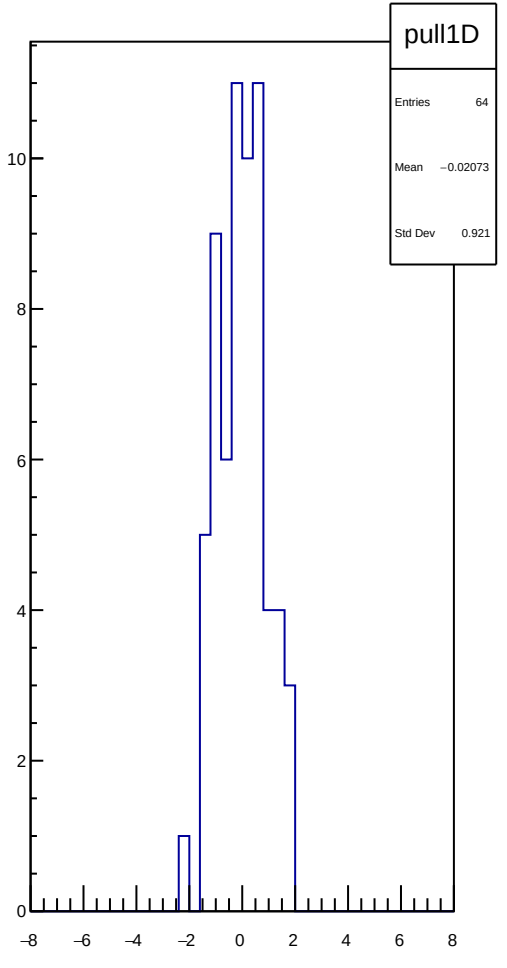

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.612e+05 / 63
p0 6.888e−11 ± 7.012e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

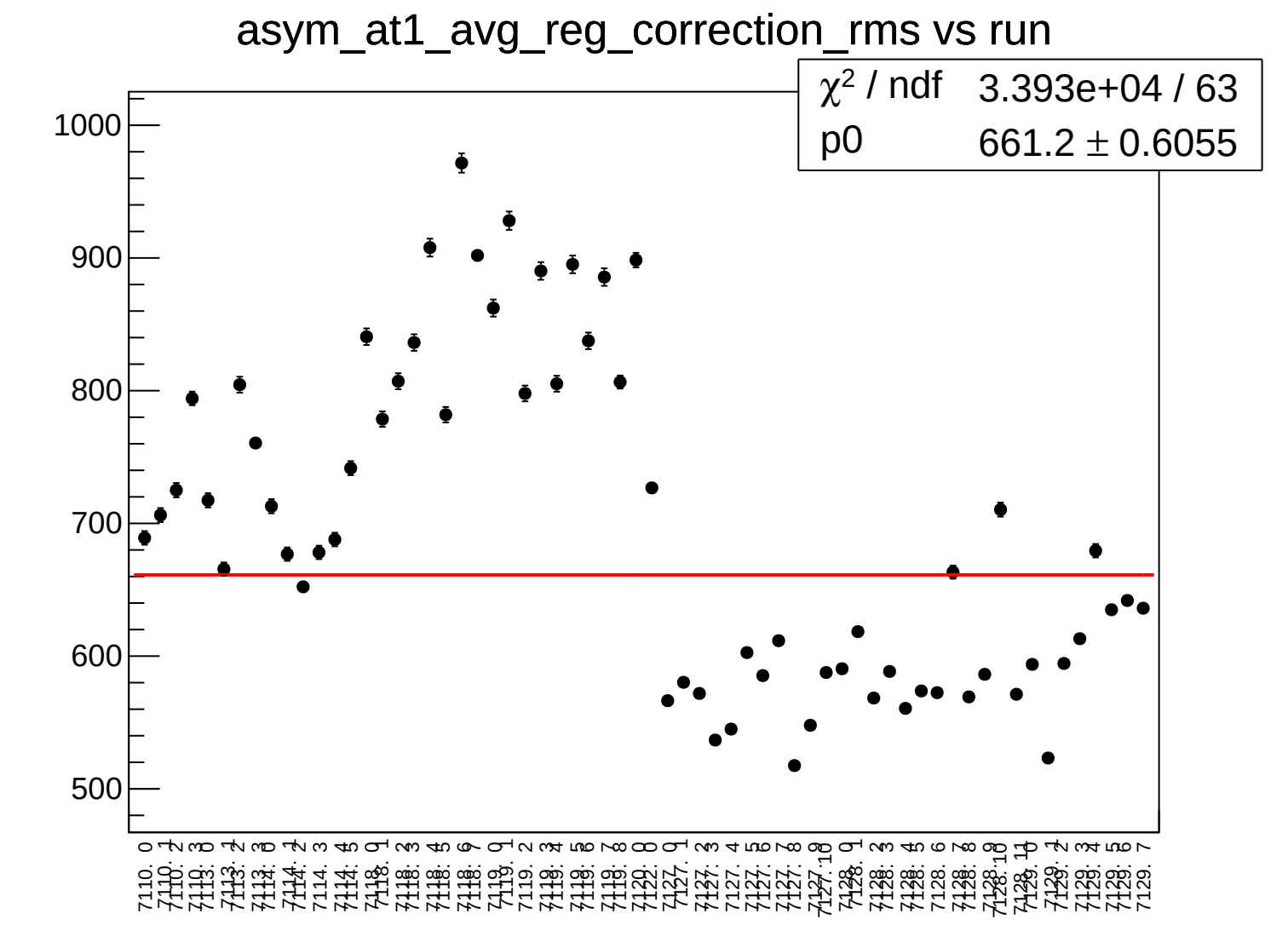

reg_asym_at1_avg_mean vs run
χ² / ndf 75.59 / 63
p0 1721 ± 2313
pull
Entries 64
Mean −196.5
Std Dev 0

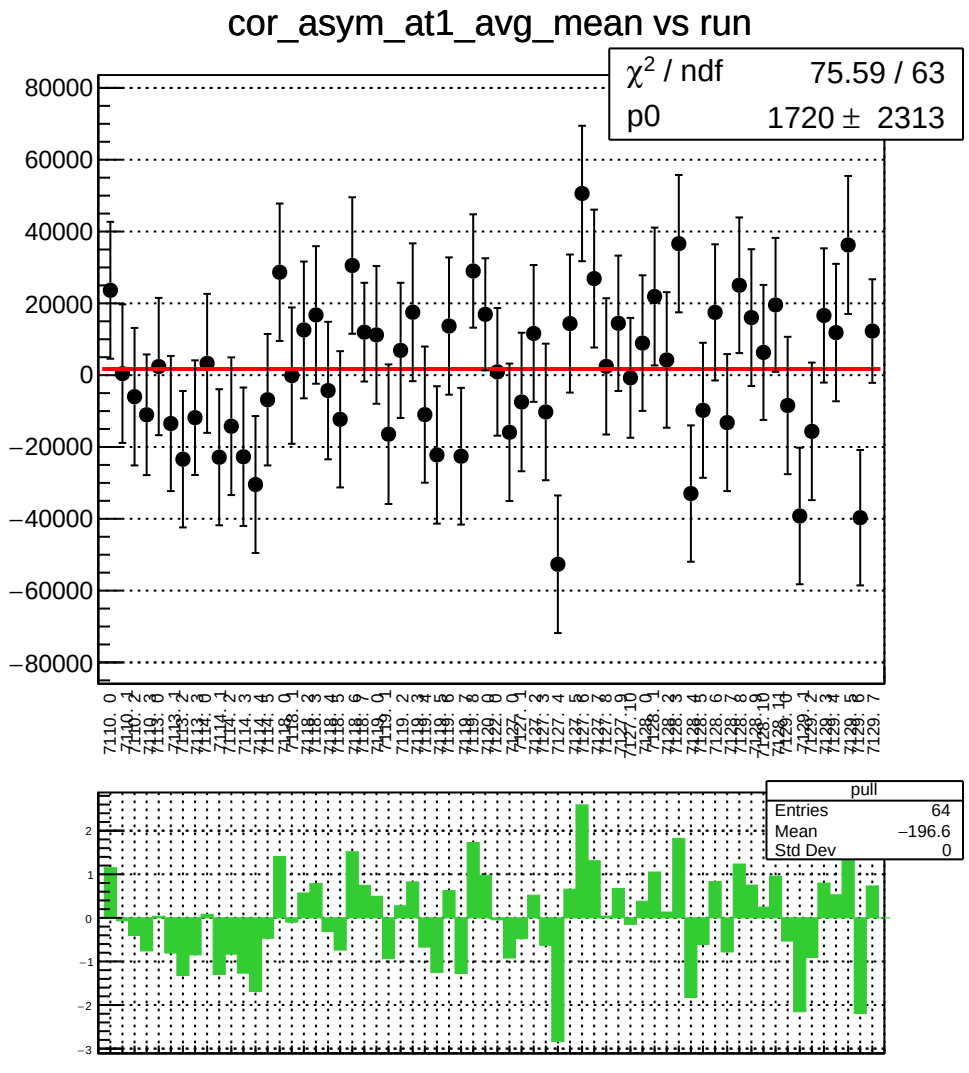

pull1D
Entries 64
Mean −0.01288
Std Dev 1.087

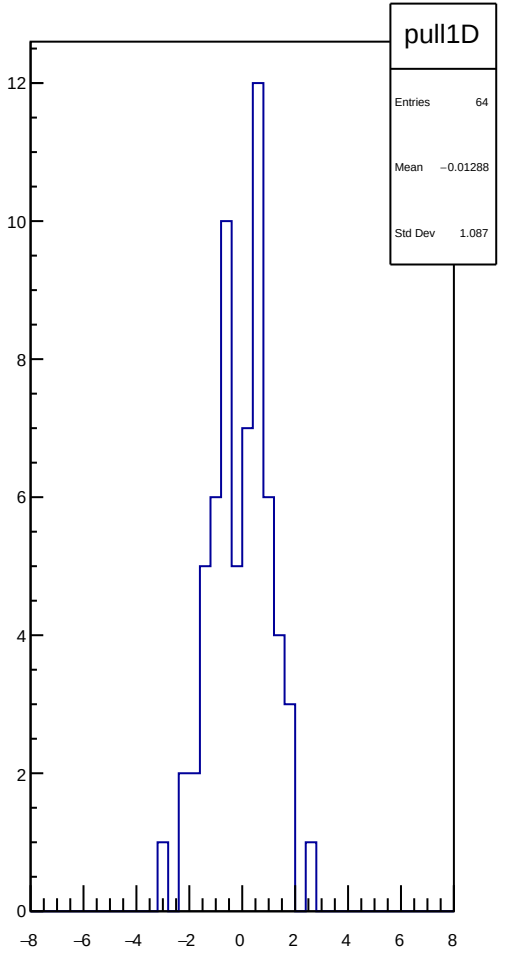

reg_asym_at1_avg_rms vs run
χ^2 / ndf 141.3 / 63
p0 1811 ± 1.635
1920
1900
1880
1860
1840
1820
1800
1780
1760

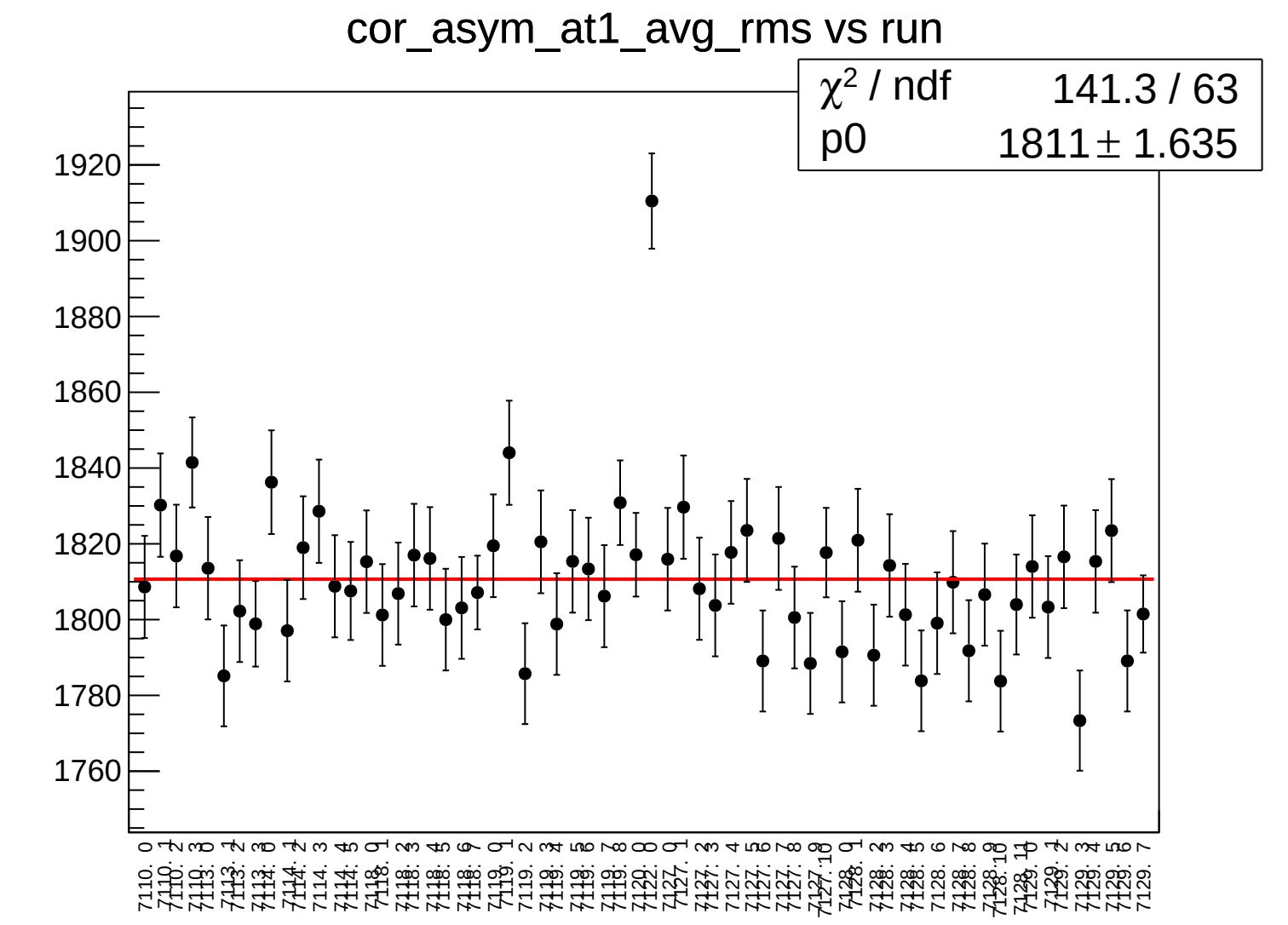

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 54.32 / 63
p0 −517.6 ± 856.4
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 145.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

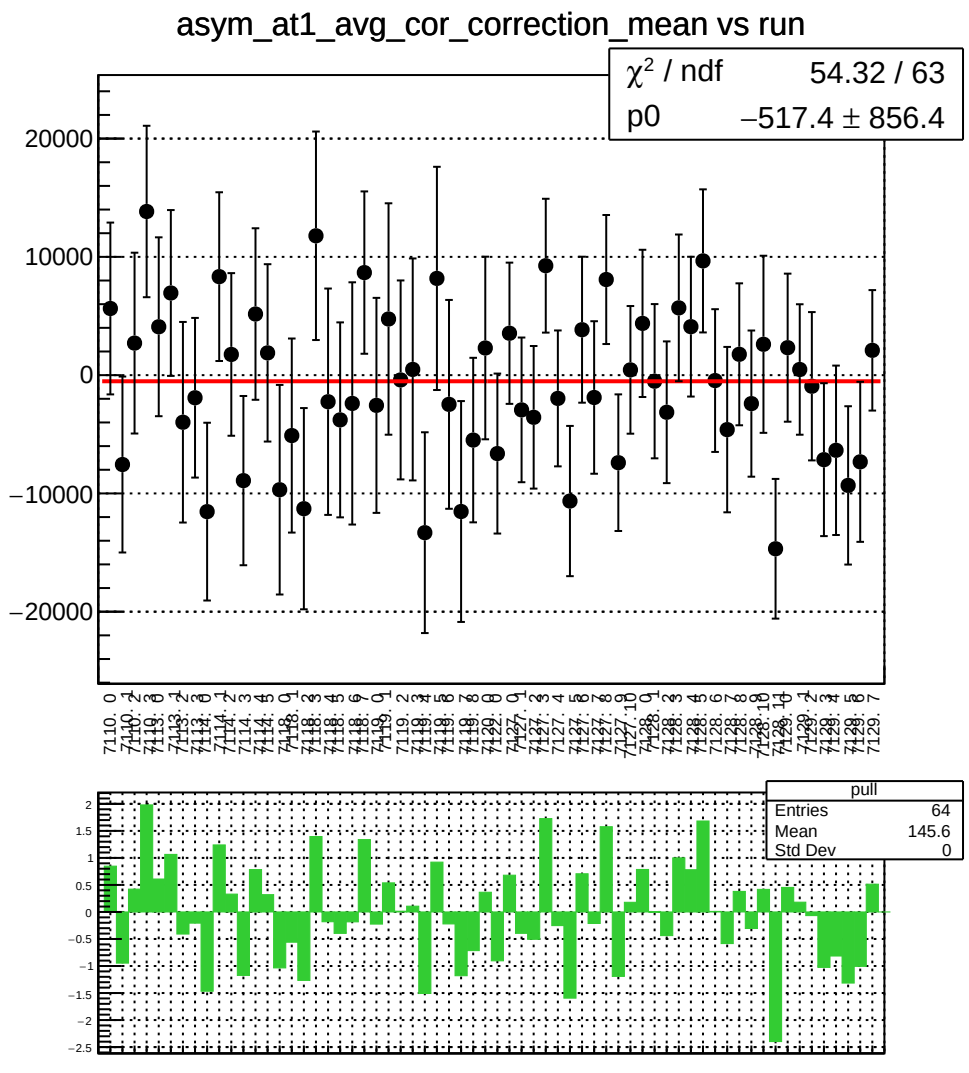

pull1D
Entries 64
Mean −0.02073
Std Dev 0.921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

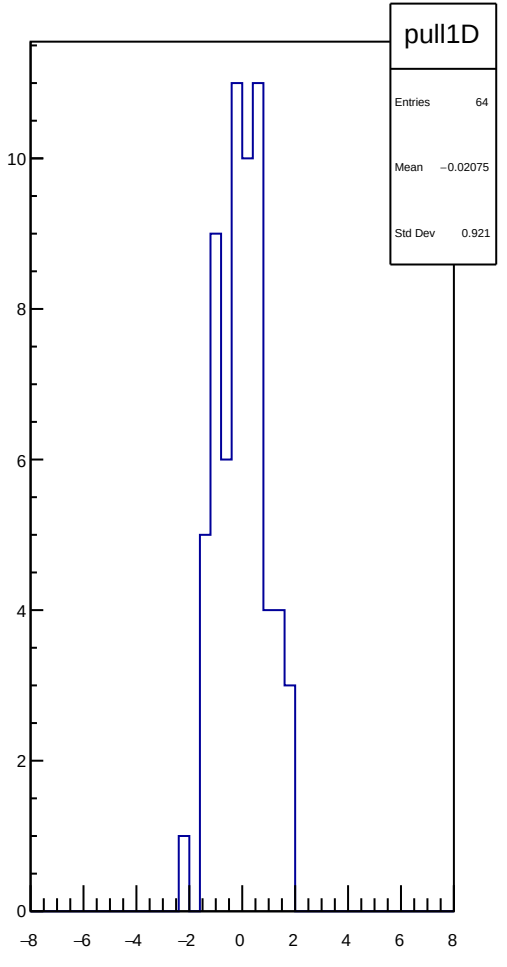

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 3.393e+04 / 63
p0 661.2 ± 0.6055
1000
900
800
700
600
500

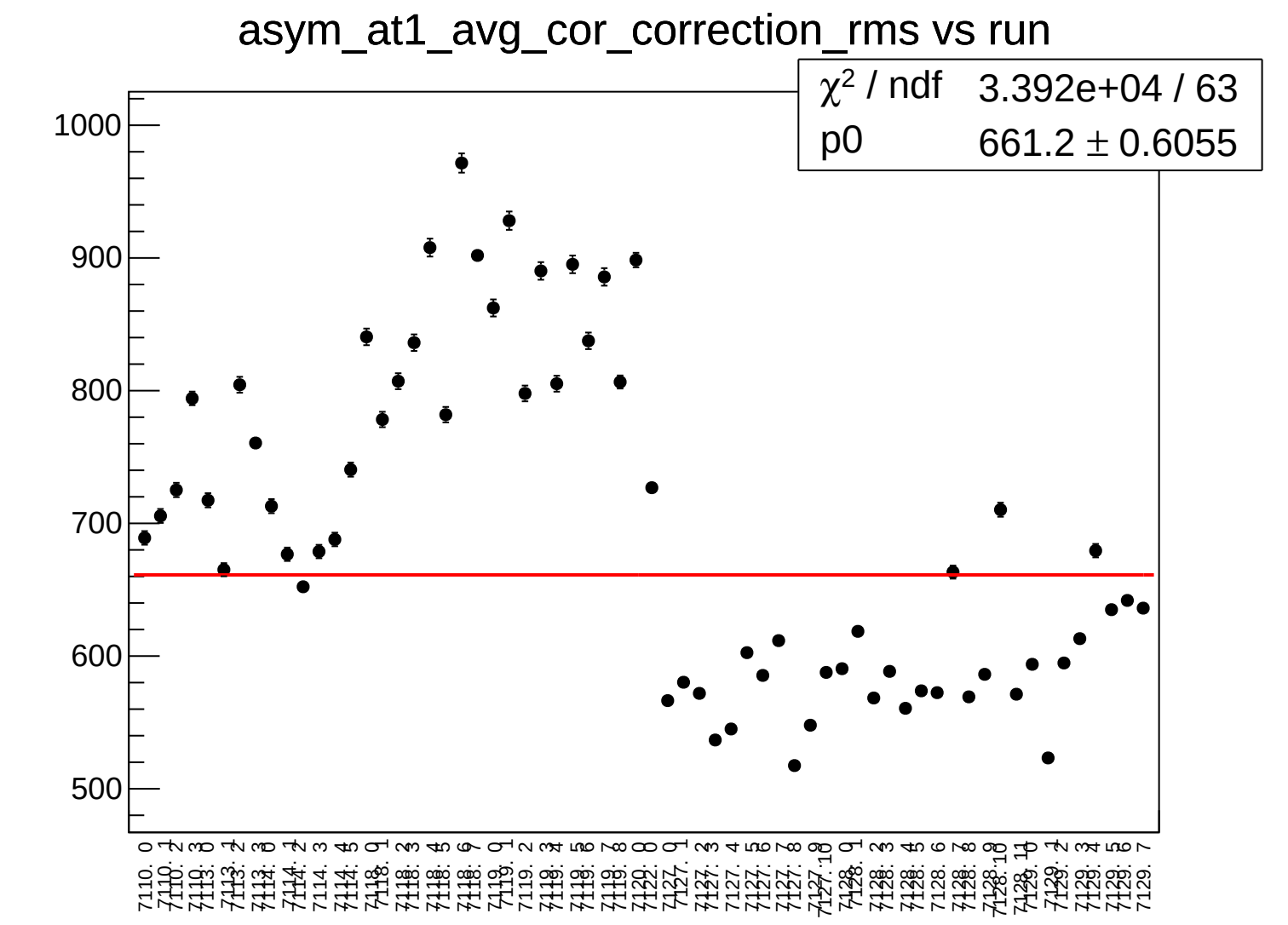

cor_asym_at1_avg_mean vs run
χ² / ndf 75.59 / 63
p0 1720 ± 2313
pull
Entries 64
Mean −196.6
Std Dev 0

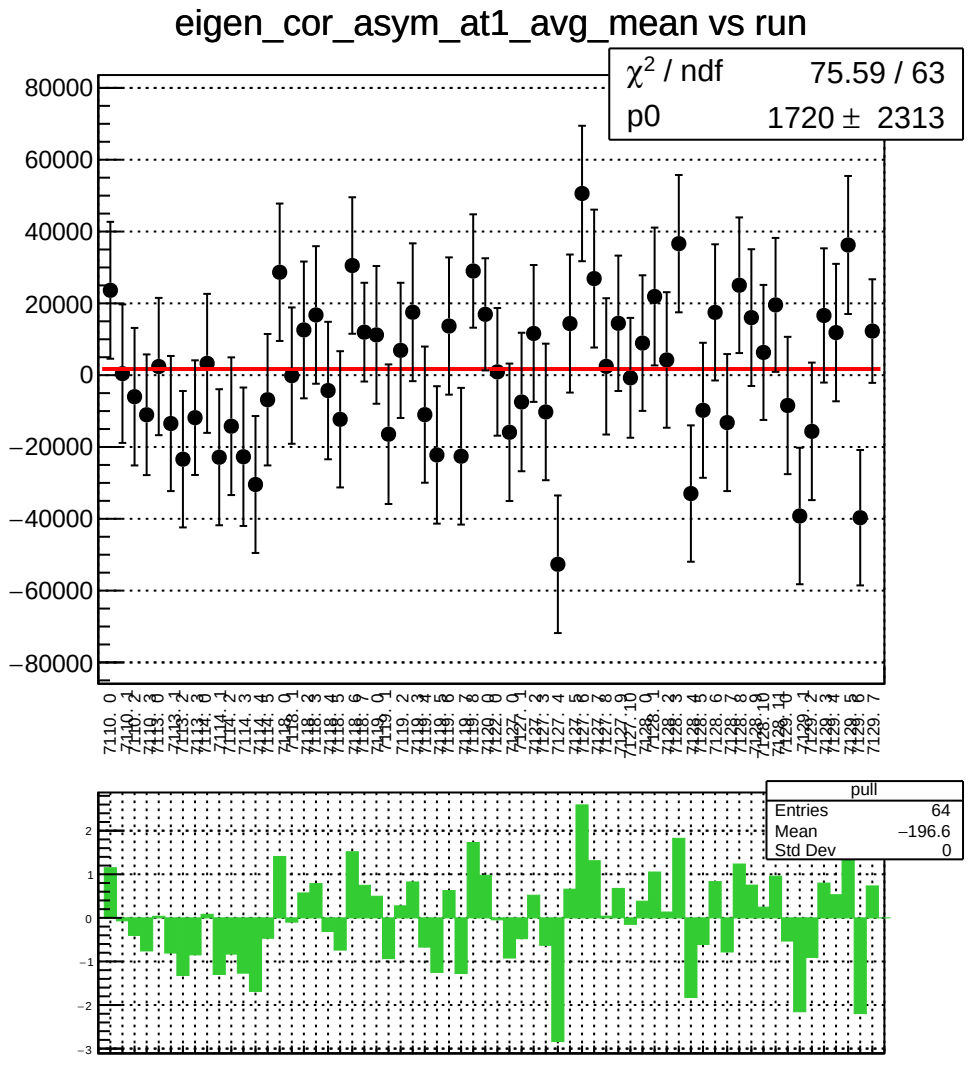

pull1D
Entries 64
Mean −0.01288
Std Dev 1.087

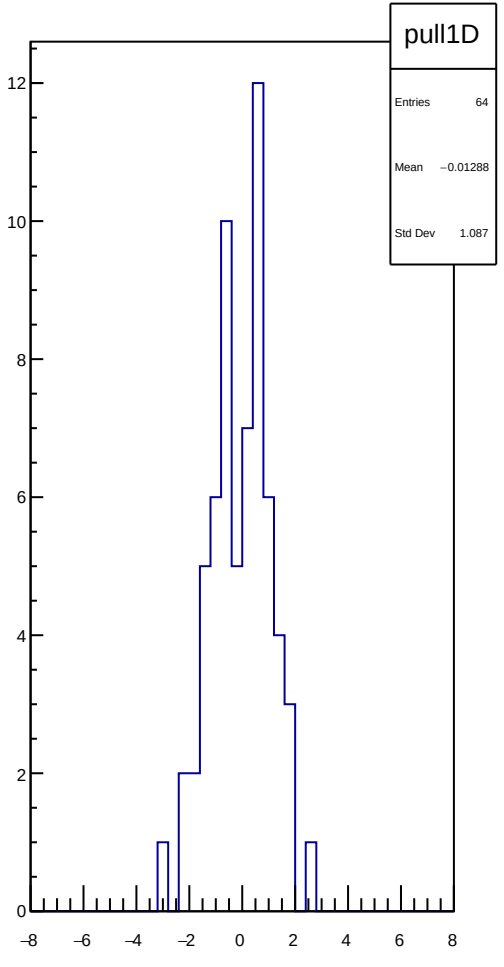

cor_asym_at1_avg_rms vs run
χ^2 / ndf 141.3 / 63
p0 1811 ± 1.635
1920
1900
1880
1860
1840
1820
1800
1780
1760

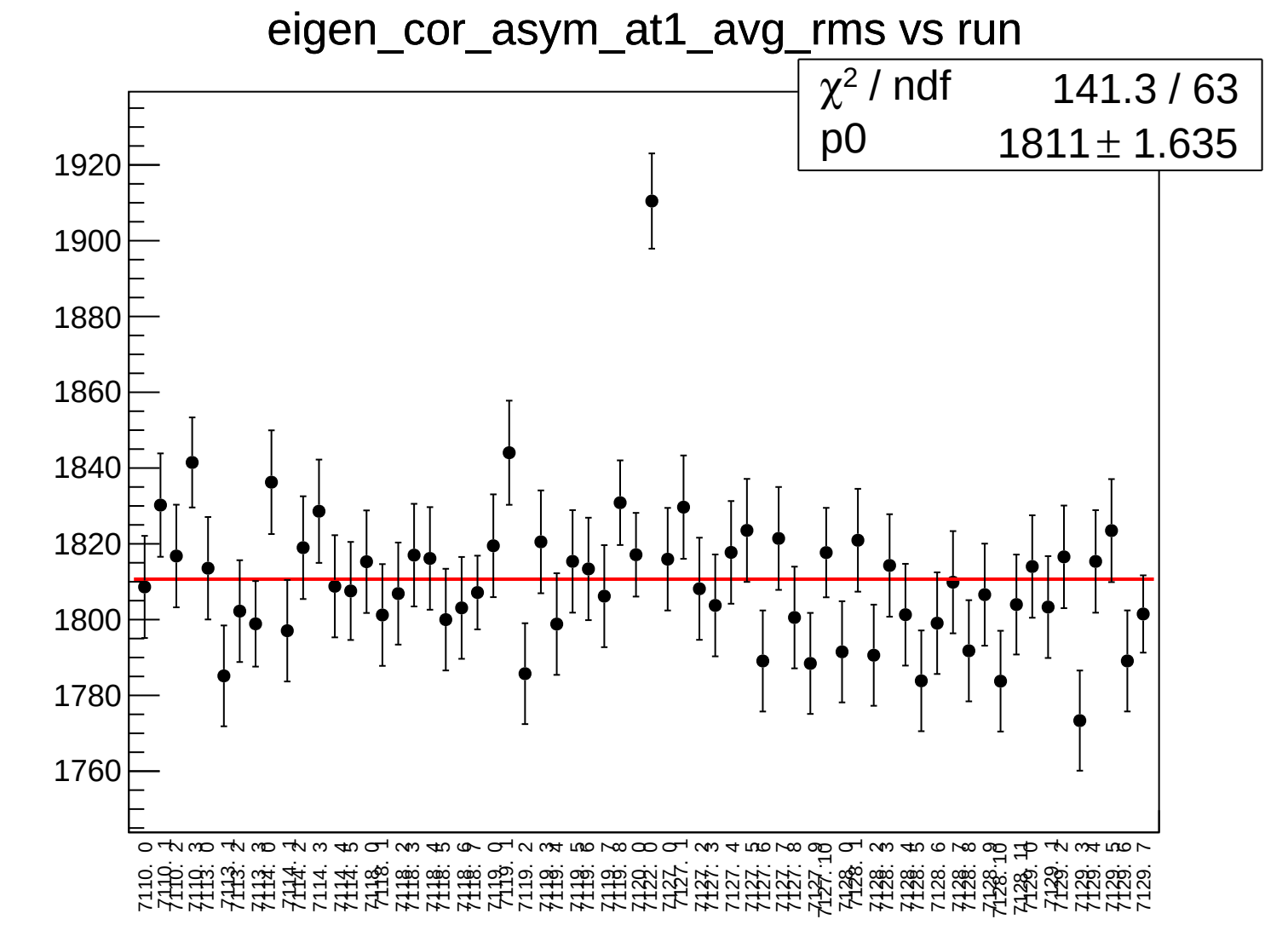

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 54.32 / 63
p0 −517.4 ± 856.4
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 145.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

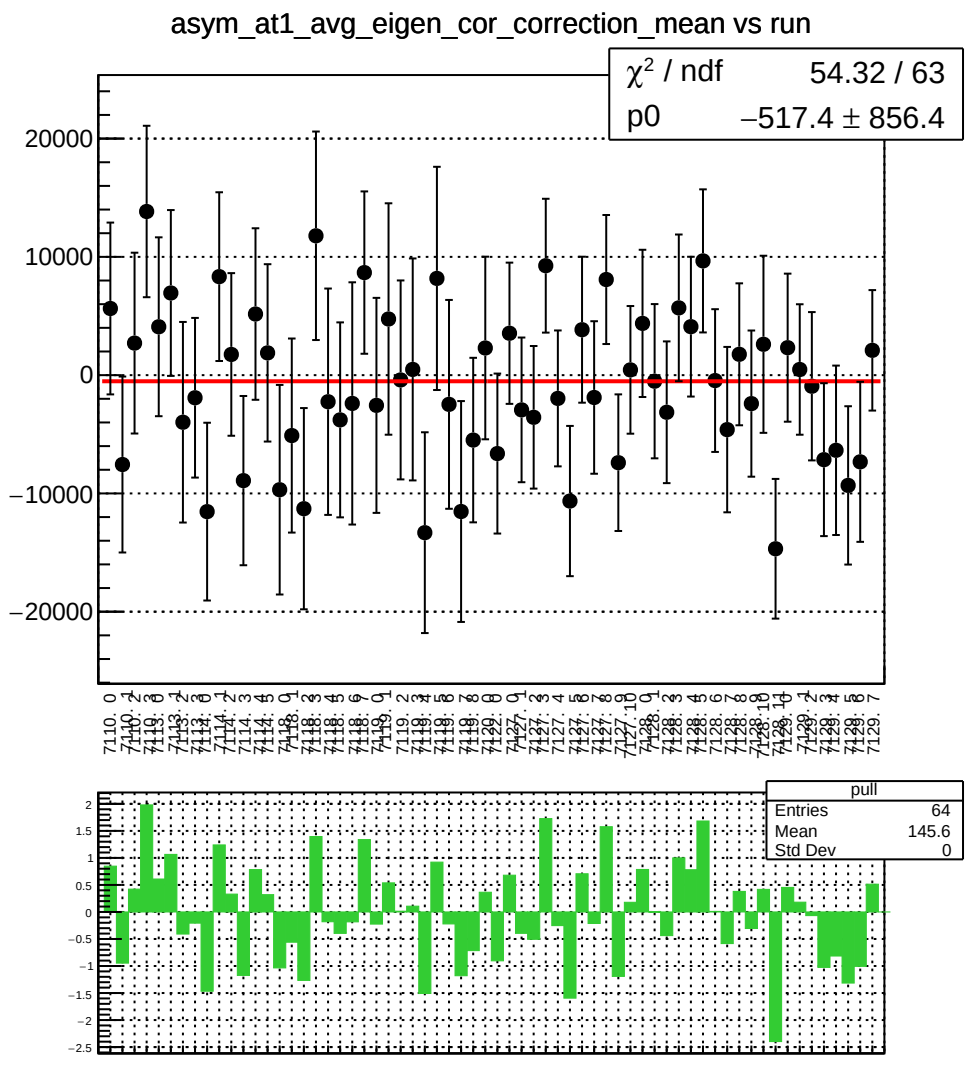

pull1D
Entries 64
Mean −0.02075
Std Dev 0.921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

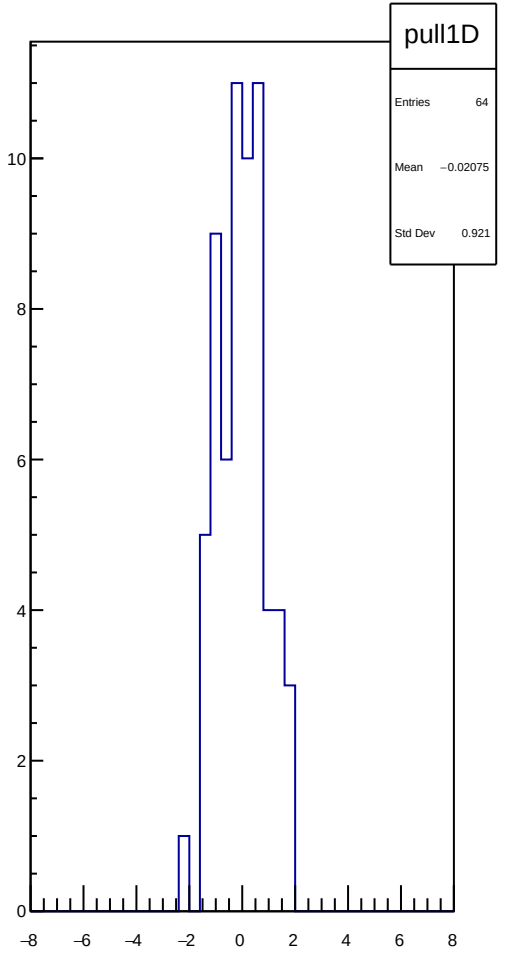

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 3.392e+04 / 63
p0 661.2 ± 0.6055
1000
900
800
700
600
500
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

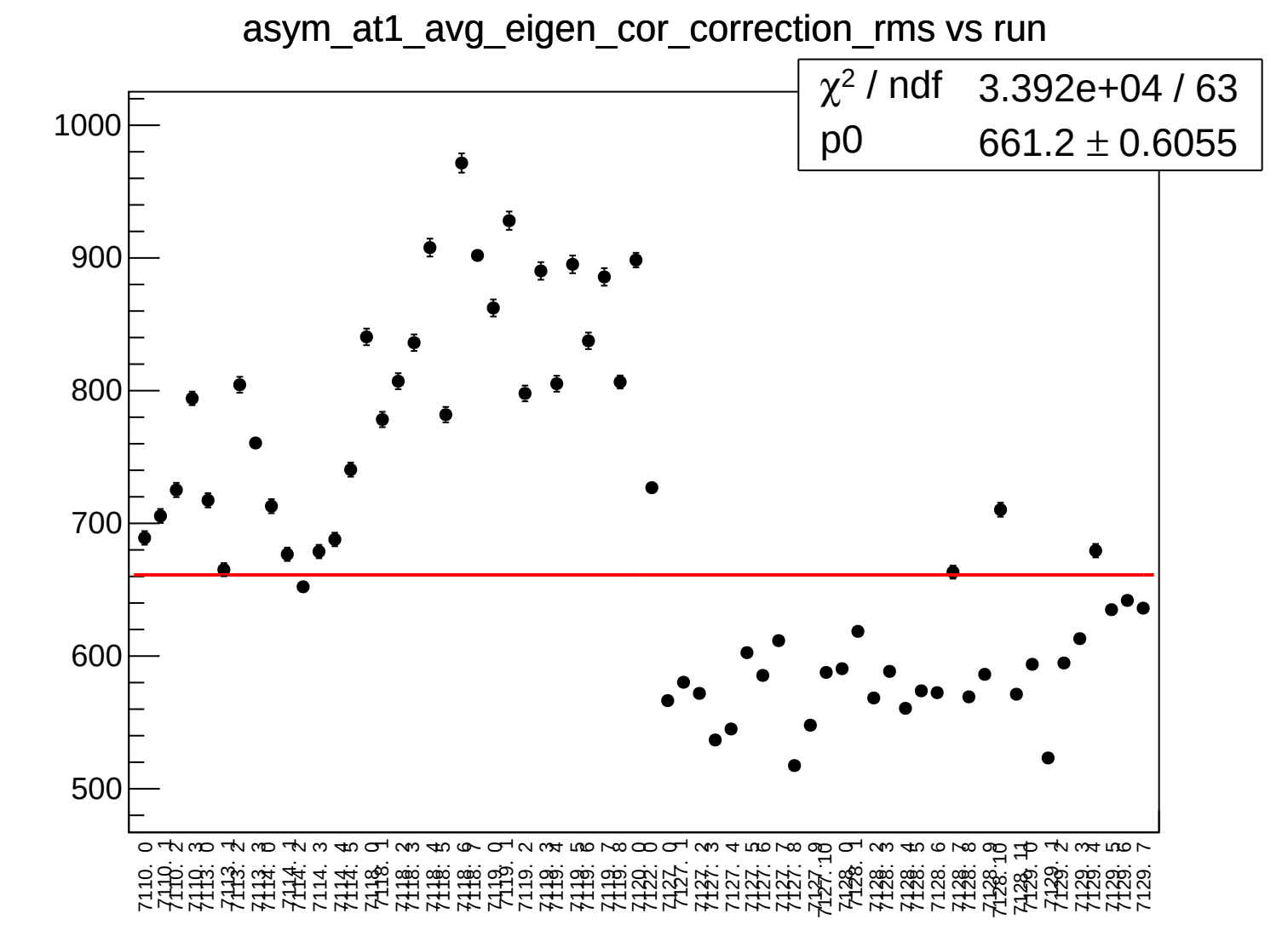

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 75.59 / 63
p0 1720 ± 2313
pull
Entries 64
Mean −196.6
Std Dev 0

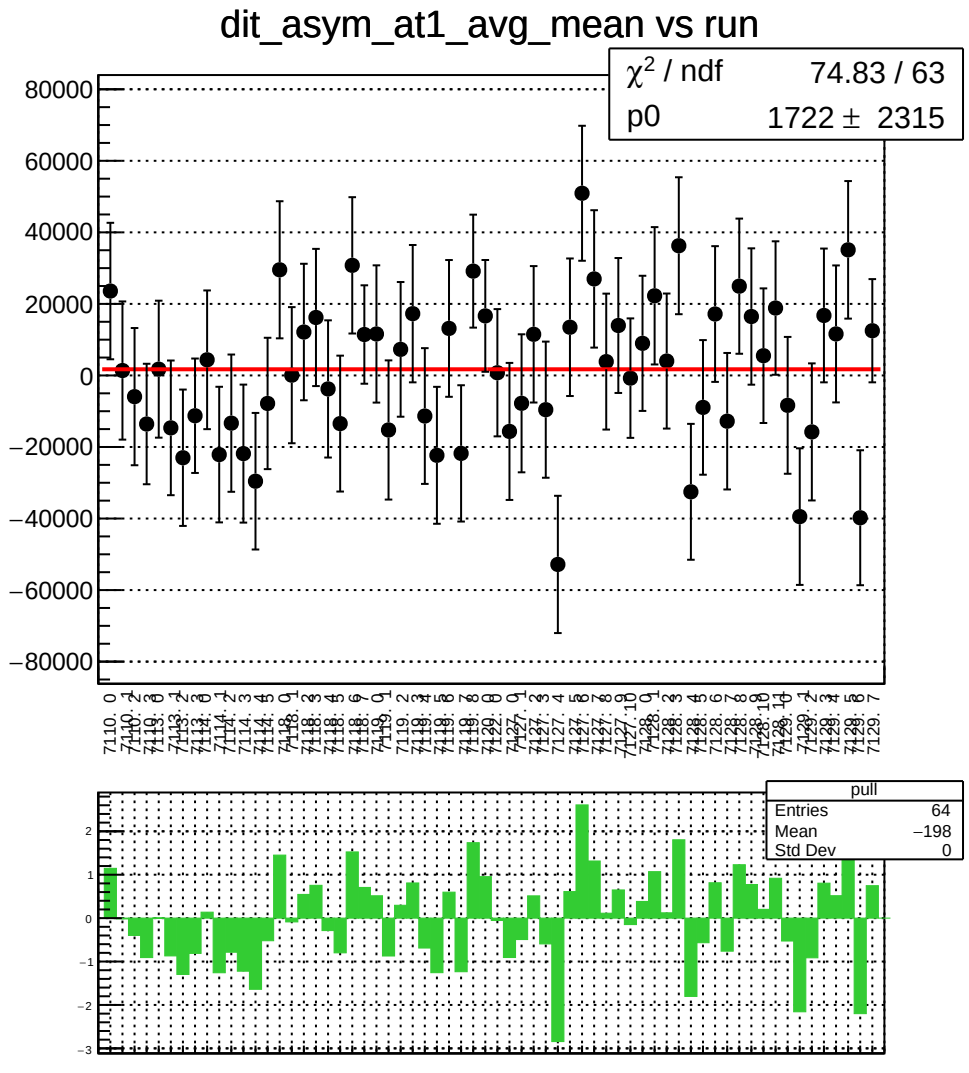

pull1D
Entries 64
Mean −0.01288
Std Dev 1.087

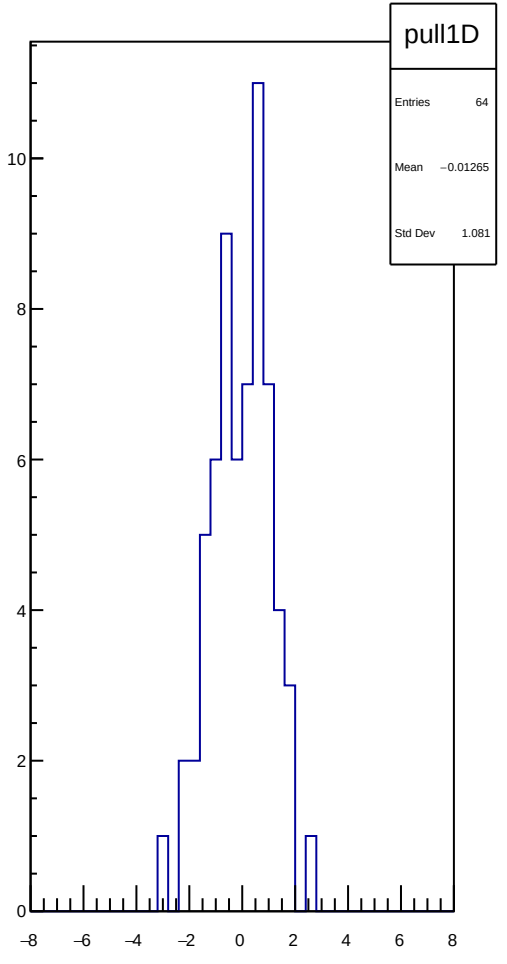

eigen_cor_asym_at1_avg_rms vs run
χ^2 / ndf 141.3 / 63
p0 1811 ± 1.635
1920
1900
1880
1860
1840
1820
1800
1780
1760

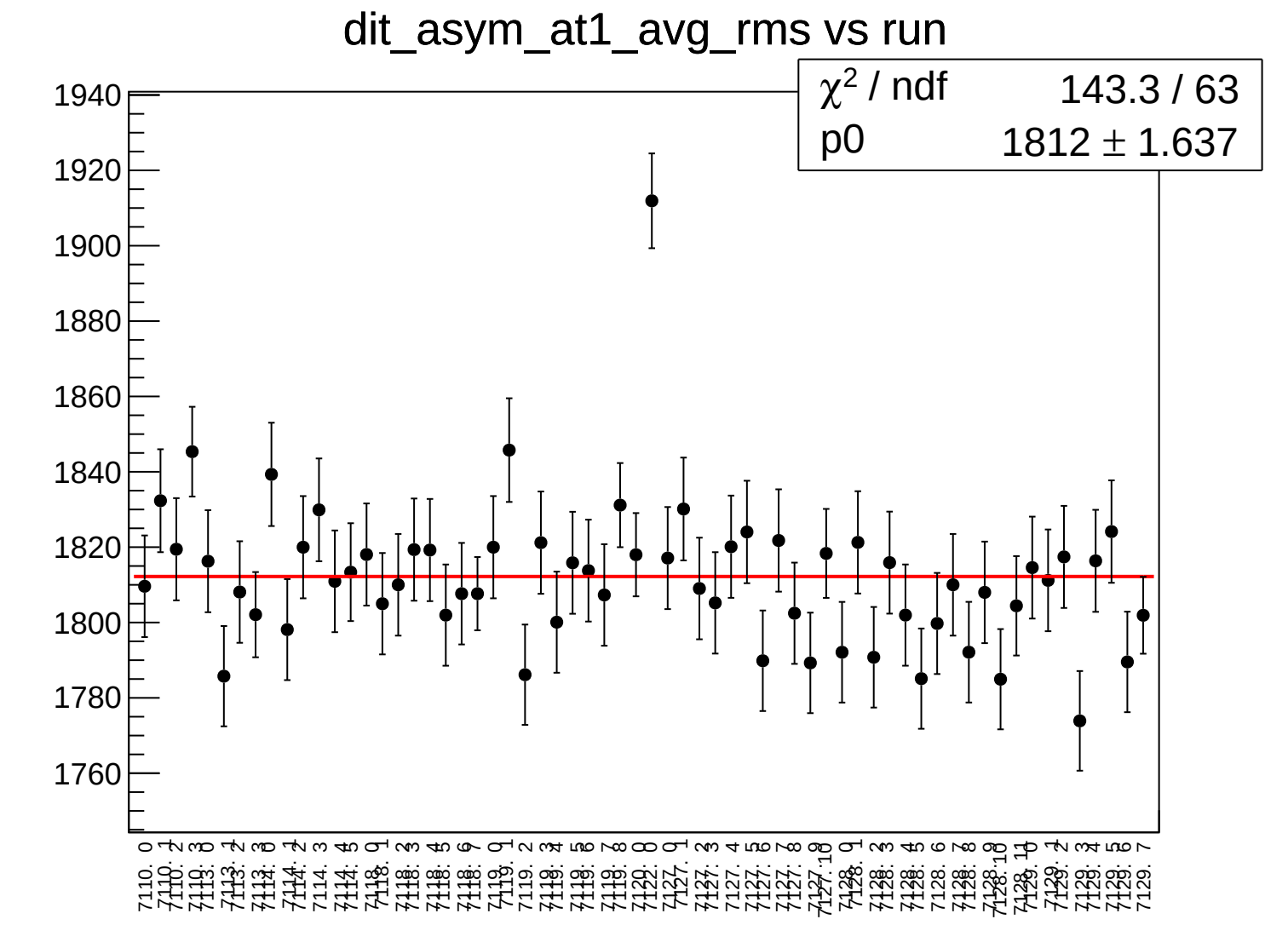

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.32 / 63
p0 −517.4 ± 856.4
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 145.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

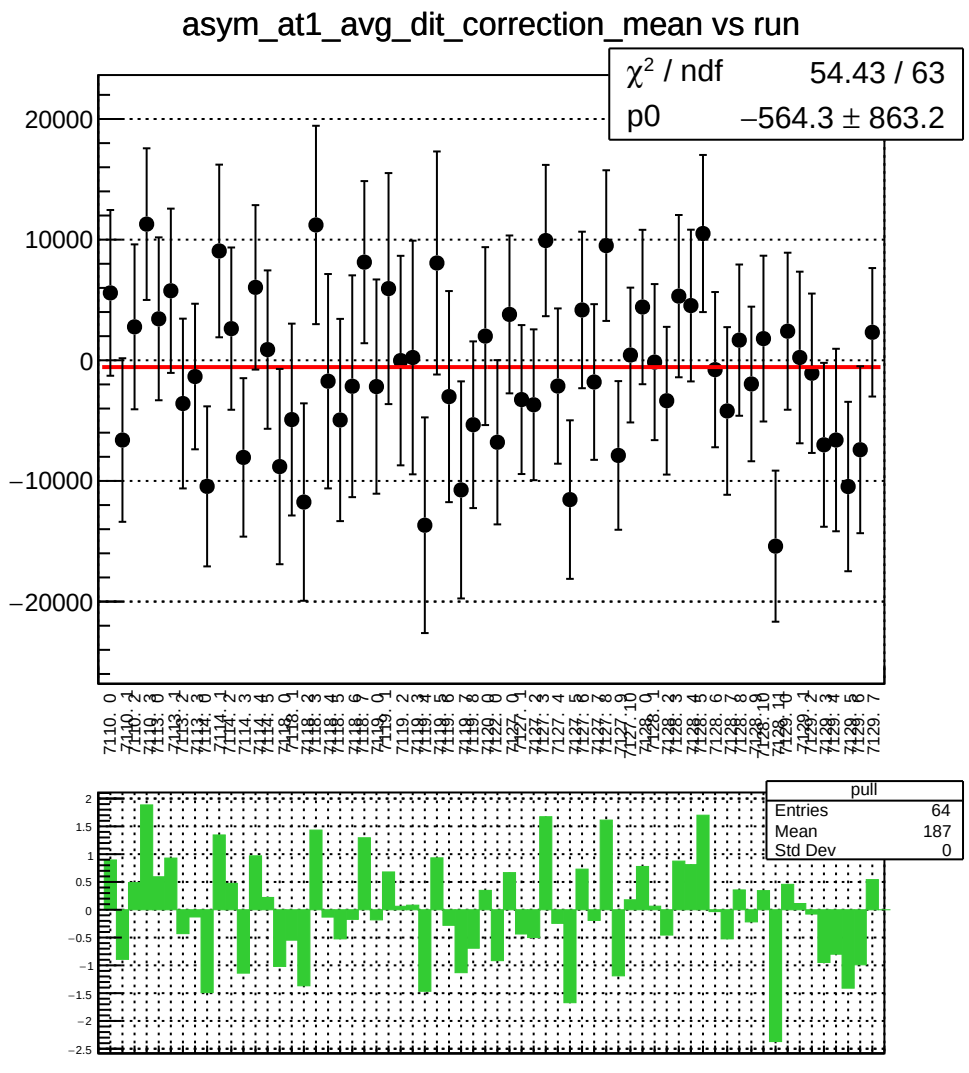

pull1D
Entries 64
Mean −0.02075
Std Dev 0.921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

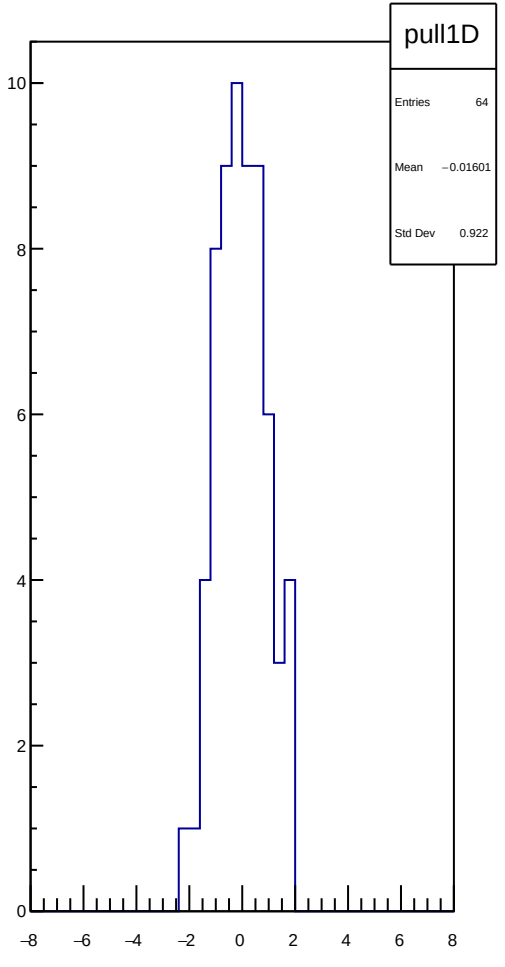

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.392e+04 / 63
p0 661.2 ± 0.6055
1000
900
800
700
600
500

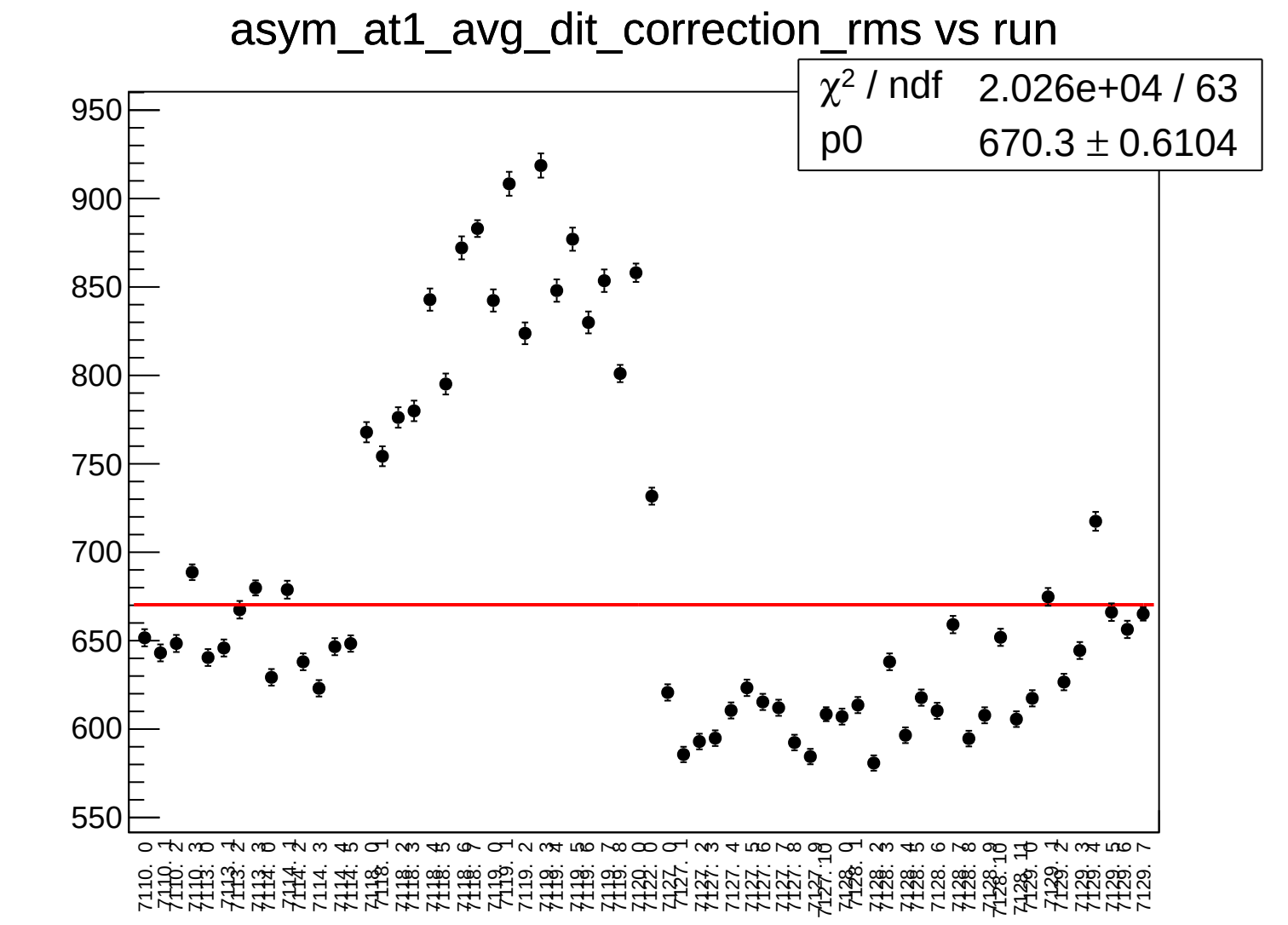

dit_asym_at1_avg_mean vs run
χ² / ndf 74.83 / 63
p0 1722 ± 2315
pull
Entries 64
Mean −198
Std Dev 0

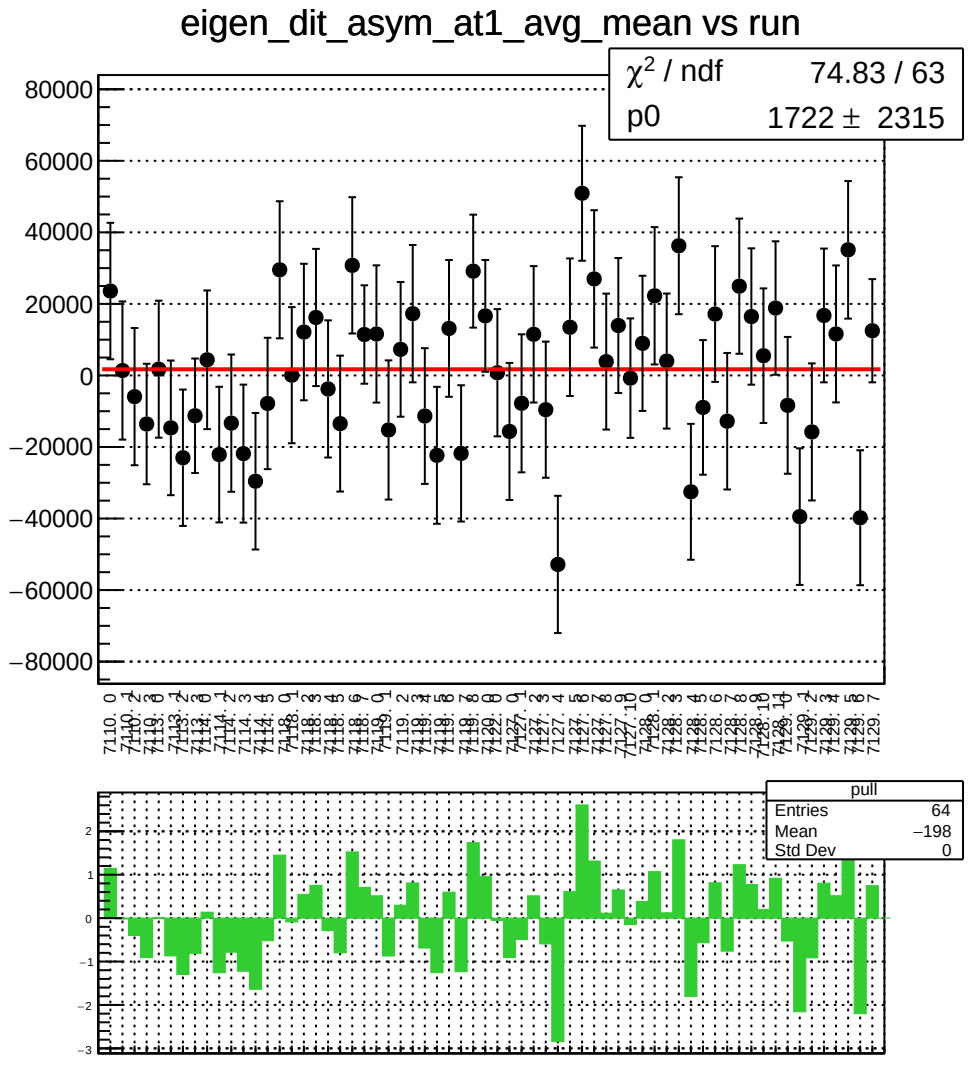

pull1D
Entries 64
Mean −0.01265
Std Dev 1.081

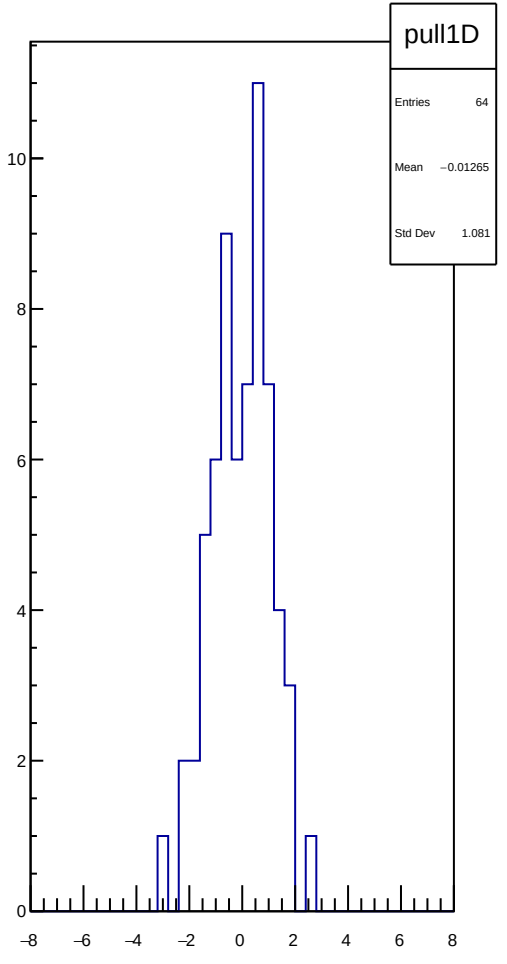

dit_asym_at1_avg_rms vs run
χ² / ndf 143.3 / 63
p0 1812 ± 1.637
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

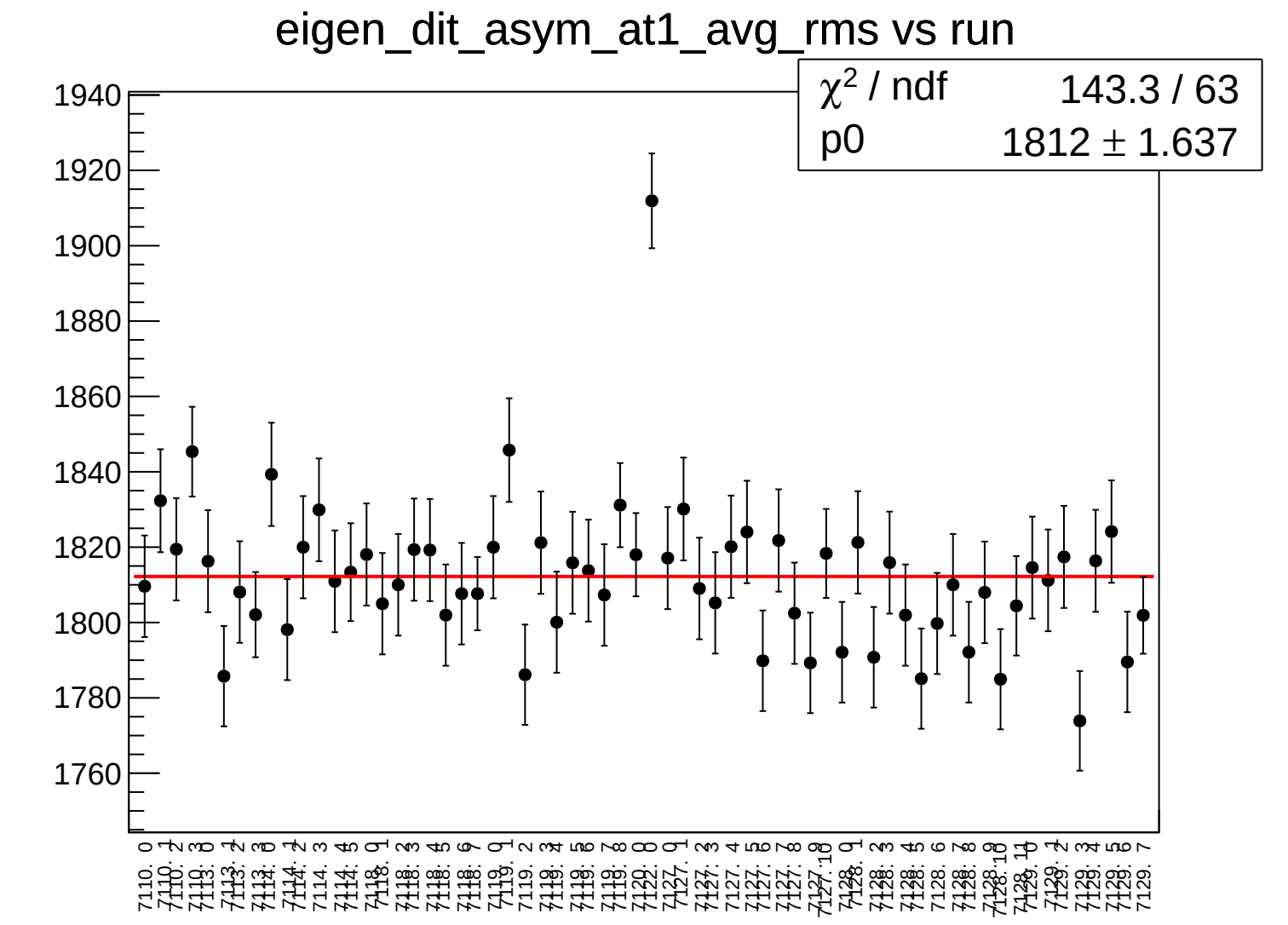

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 54.43 / 63
p0 −564.3 ± 863.2
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 187
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

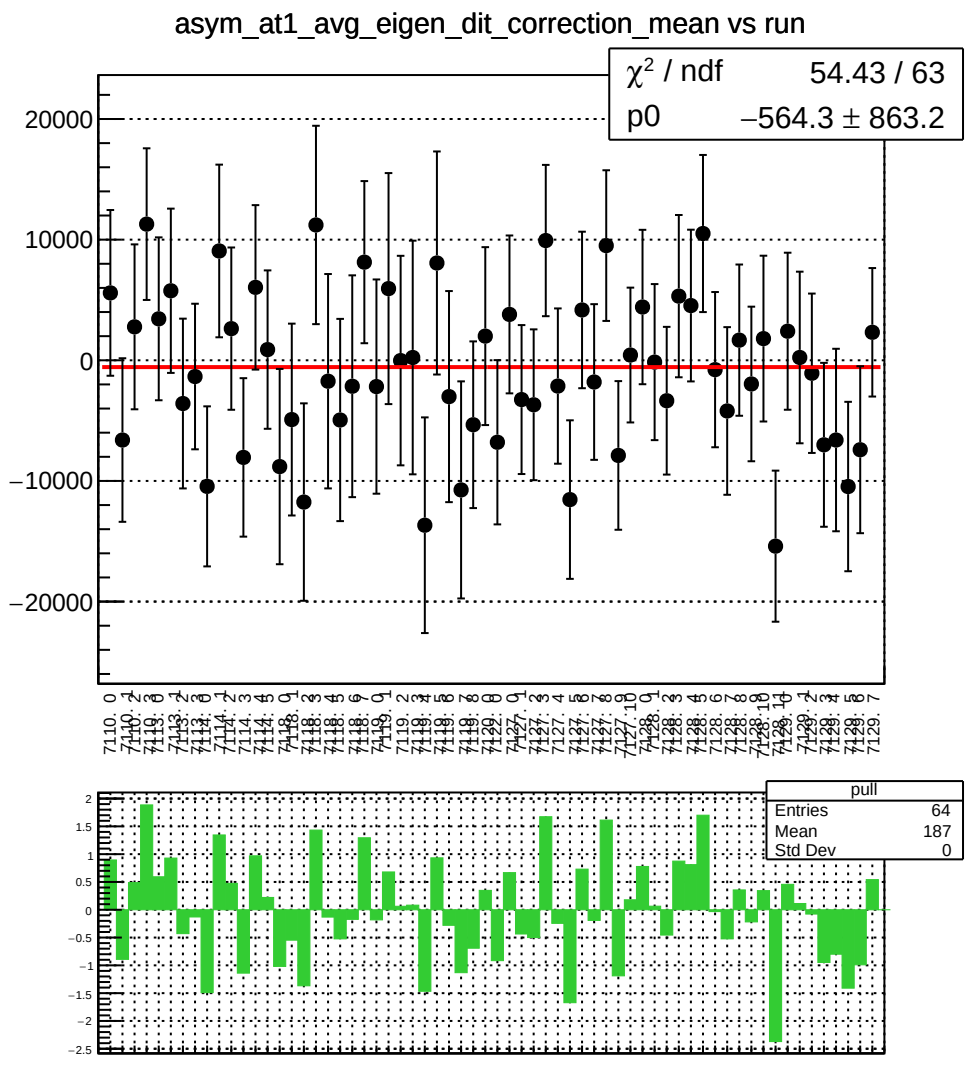

pull1D
Entries 64
Mean −0.01601
Std Dev 0.922
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

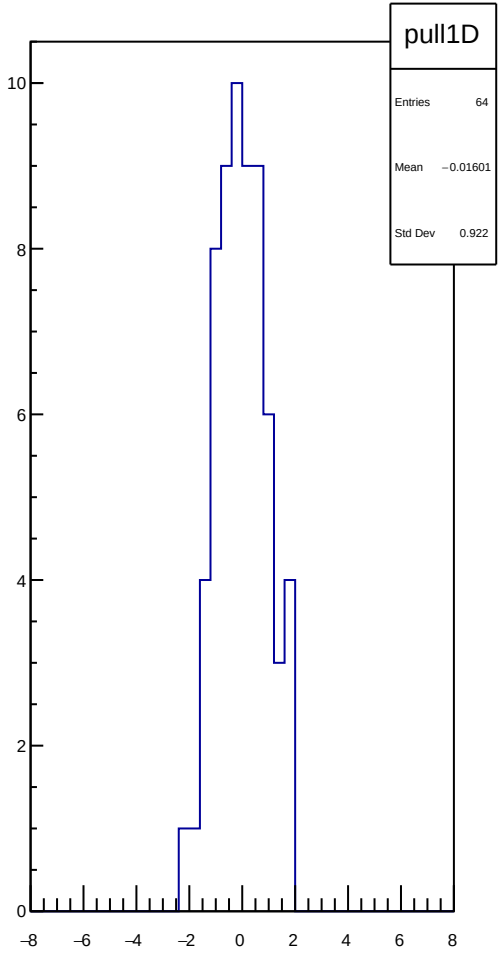

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2.026e+04 / 63
p0 670.3 ± 0.6104
950
900
850
800
750
700
650
600
550

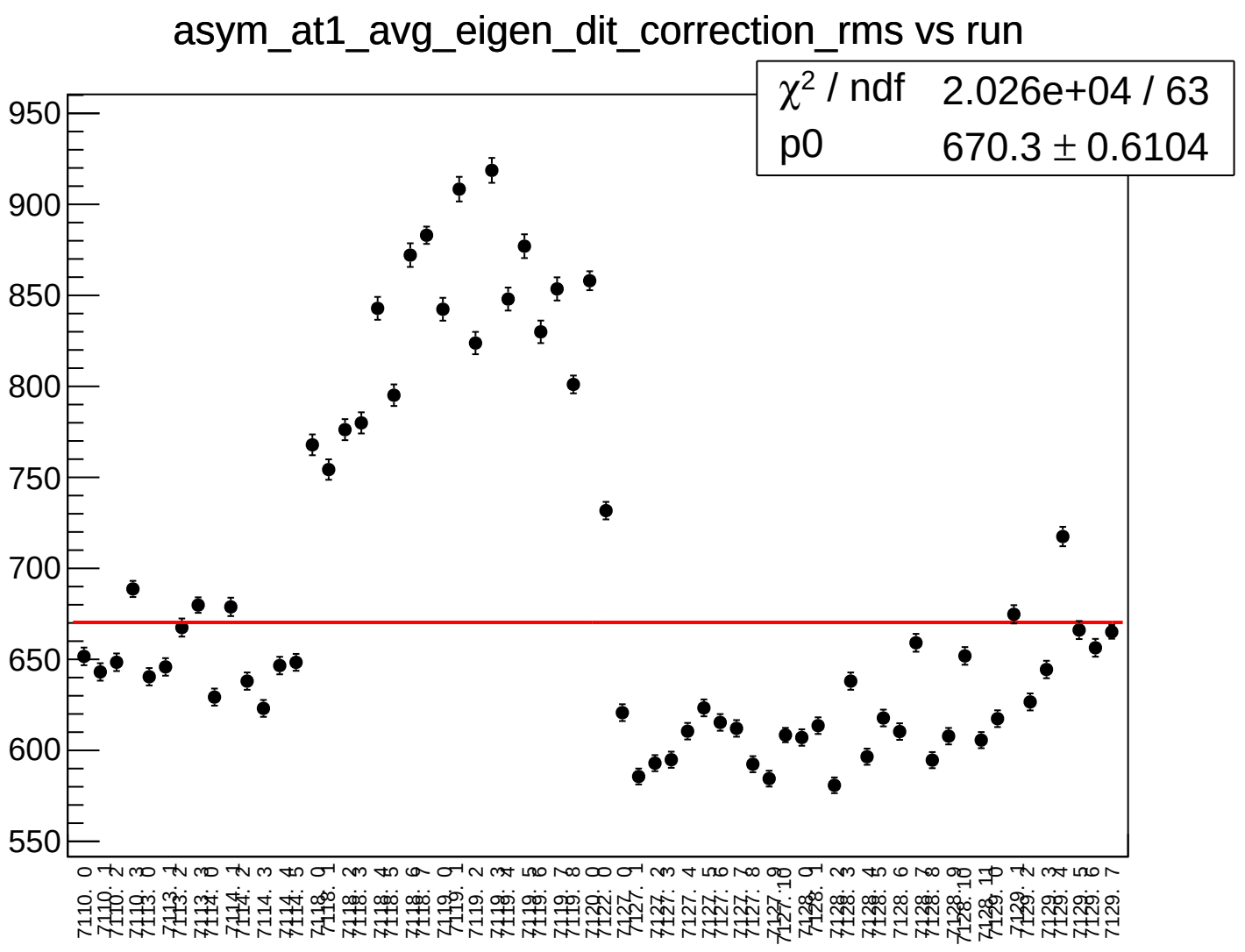

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 74.83 / 63
p0 1722 ± 2315
pull
Entries 64
Mean −198
Std Dev 0

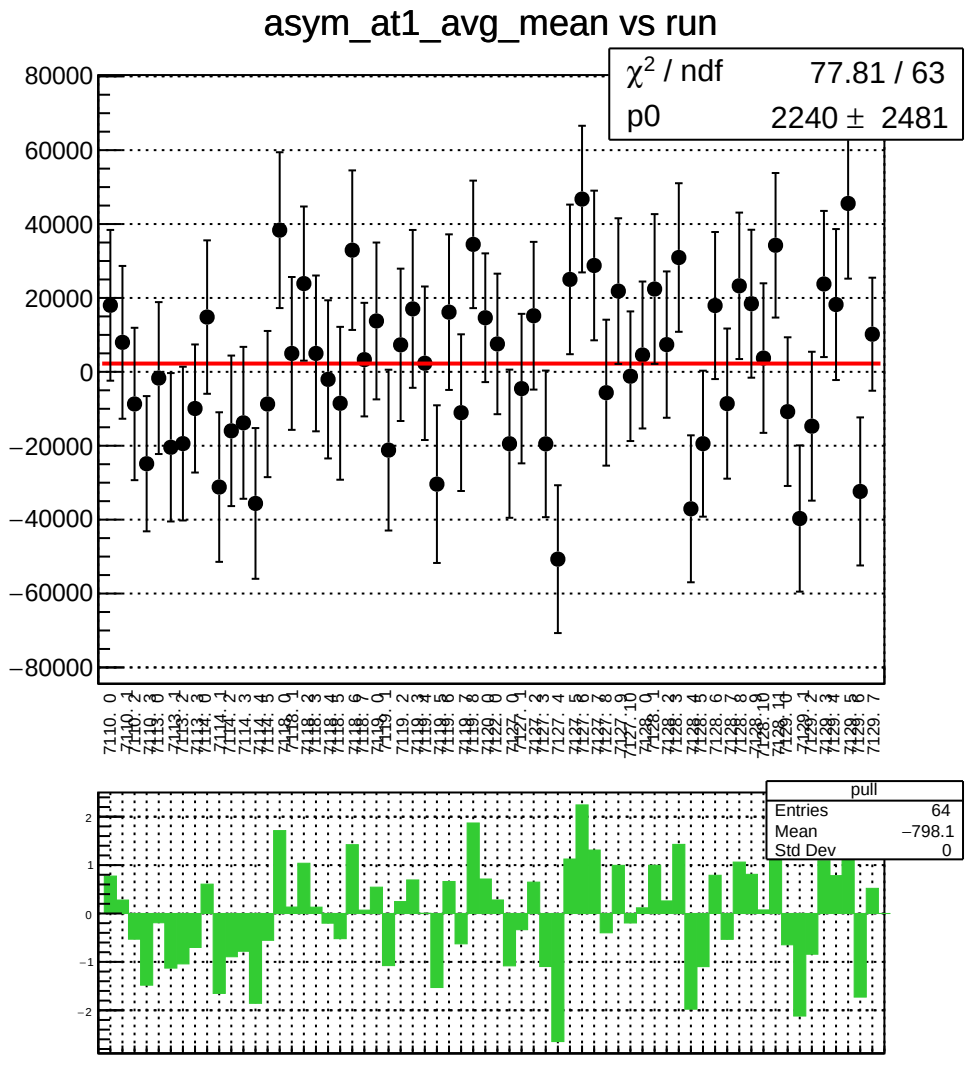

pull1D
Entries 64
Mean −0.01265
Std Dev 1.081

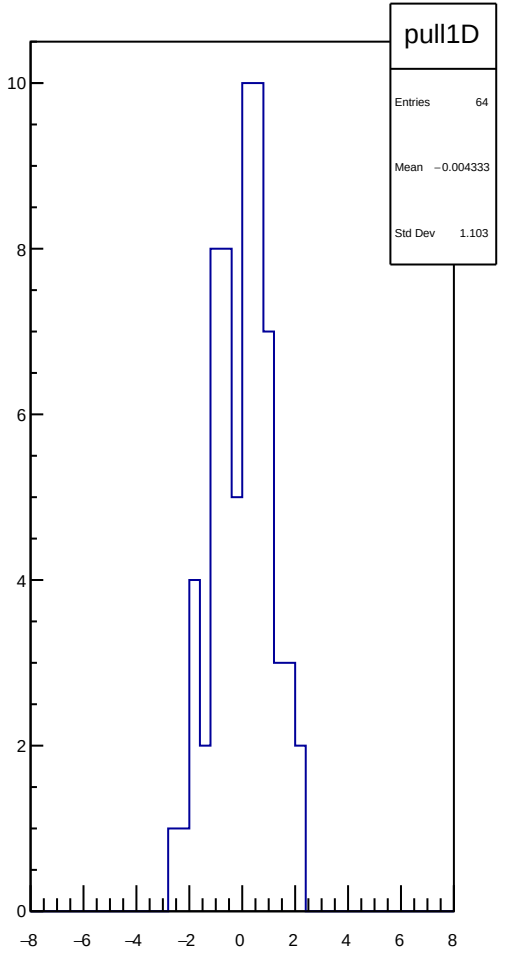

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 143.3 / 63
p0 1812 ± 1.637
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

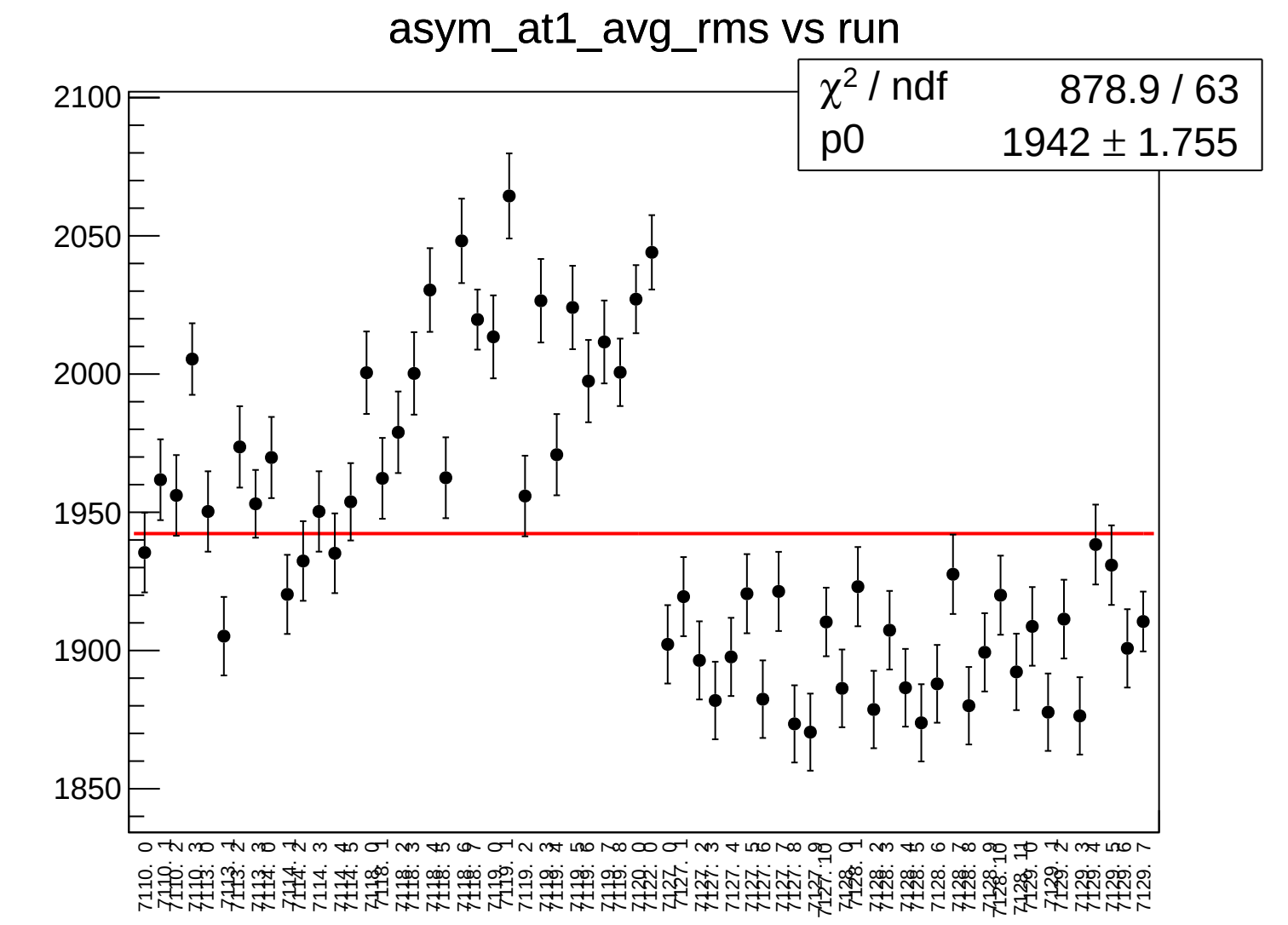

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.43 / 63
p0 −564.3 ± 863.2
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 187
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

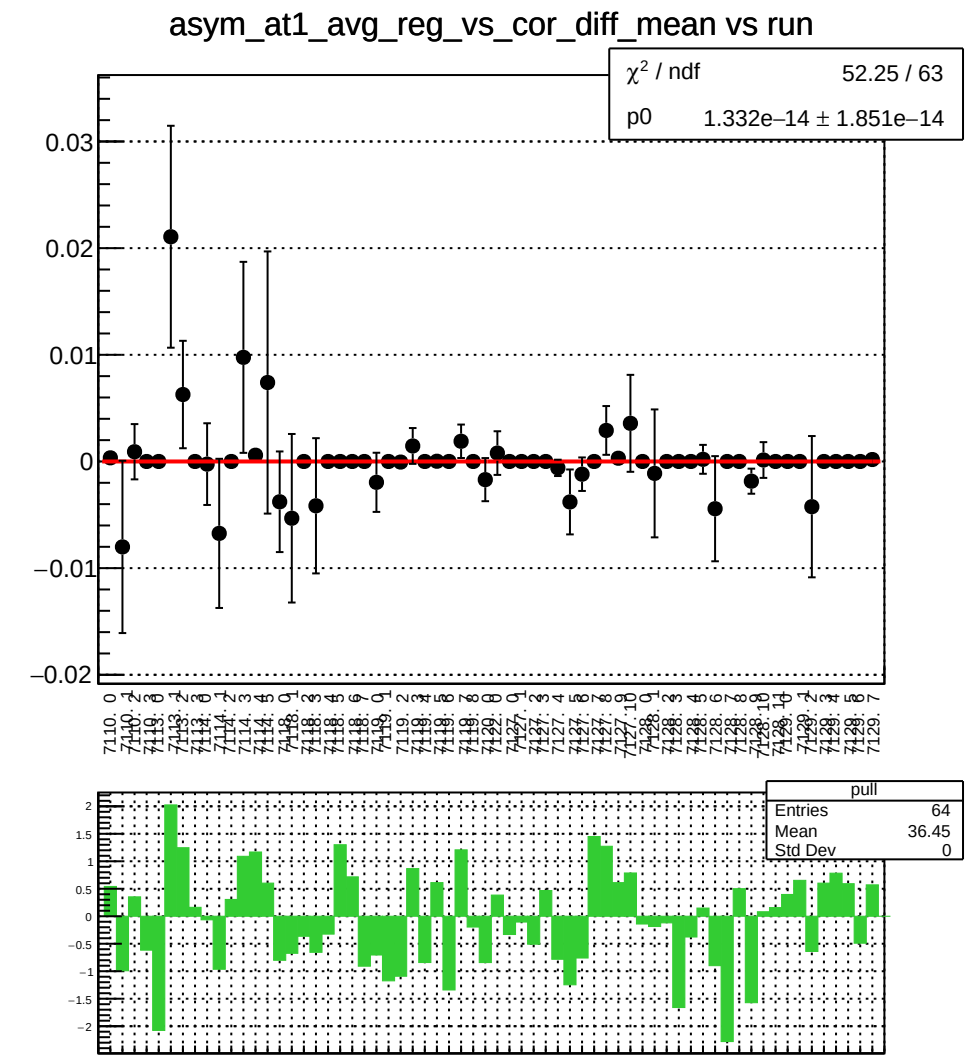

pull1D
Entries 64
Mean −0.01601
Std Dev 0.922
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

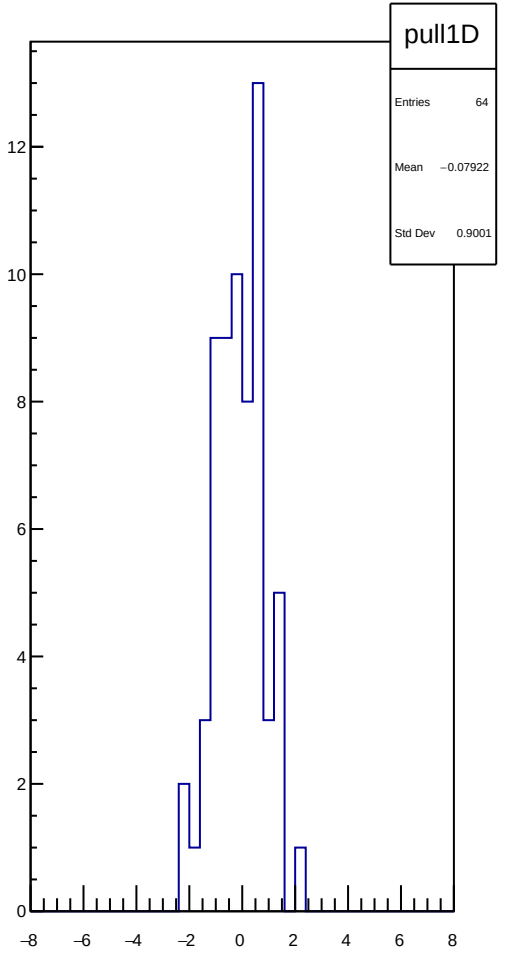

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.026e+04 / 63
p0 670.3 ± 0.6104
950
900
850
800
750
700
650
600
550

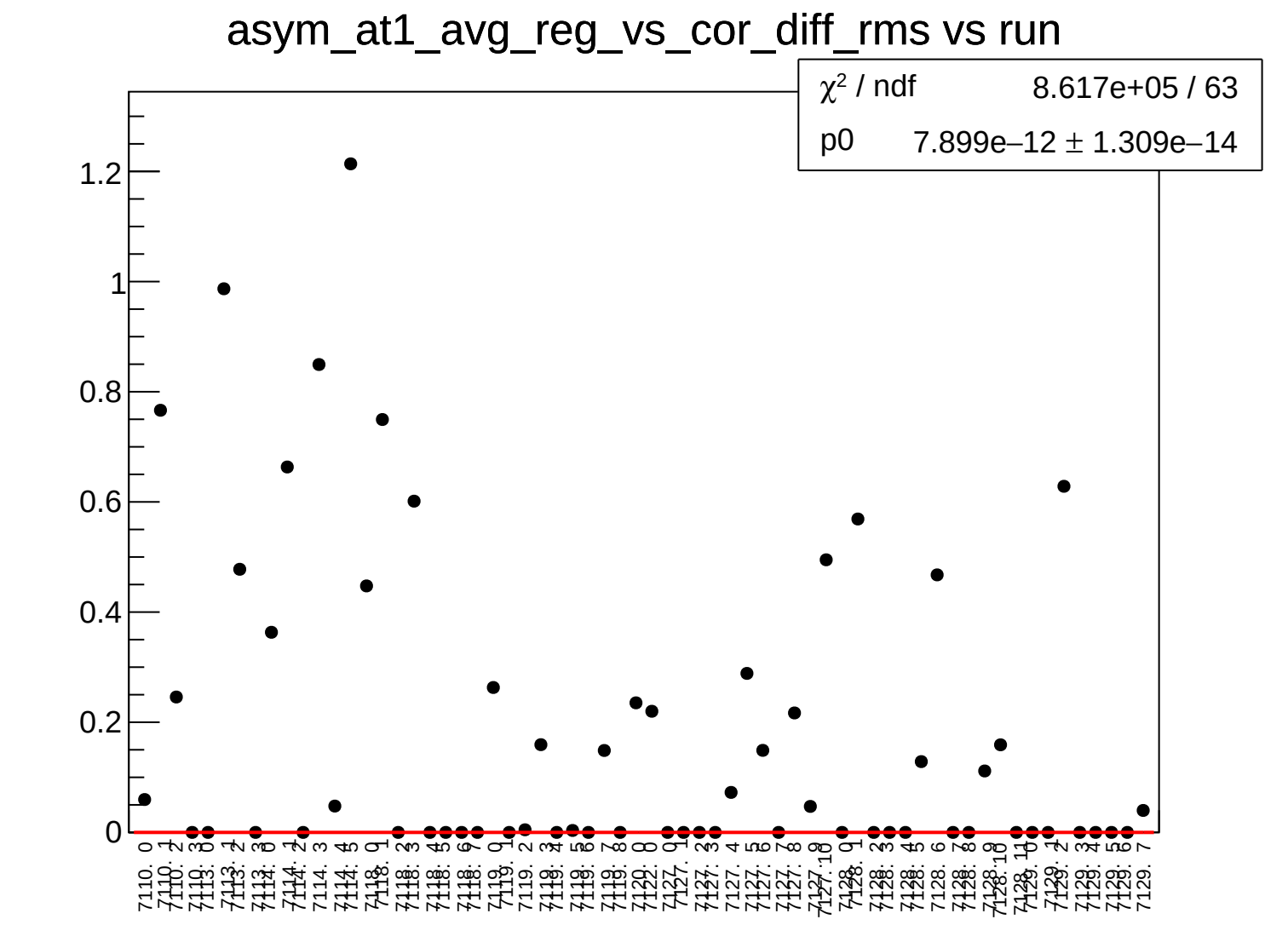

asym_at1_avg_mean vs run
χ² / ndf 77.81 / 63
p0 2240 ± 2481
pull
Entries 64
Mean −798.1
Std Dev 0

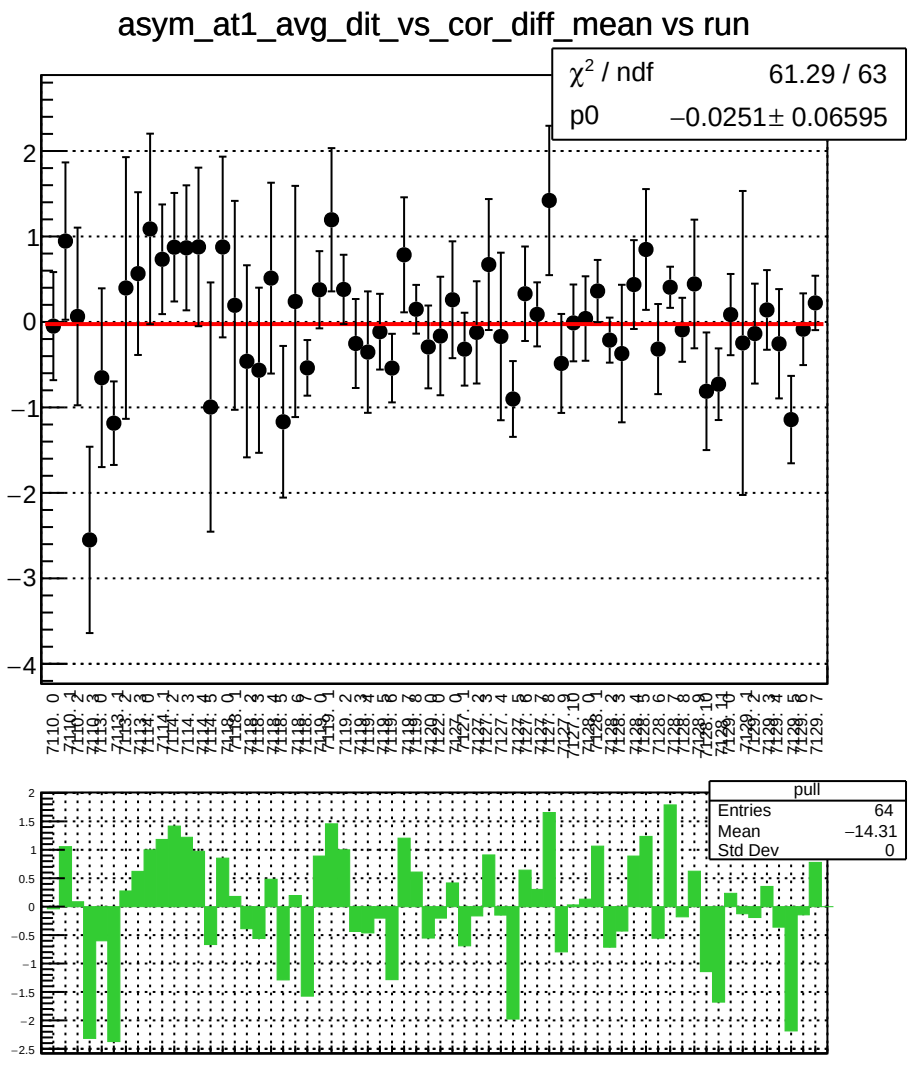

pull1D
Entries 64
Mean −0.004333
Std Dev 1.103

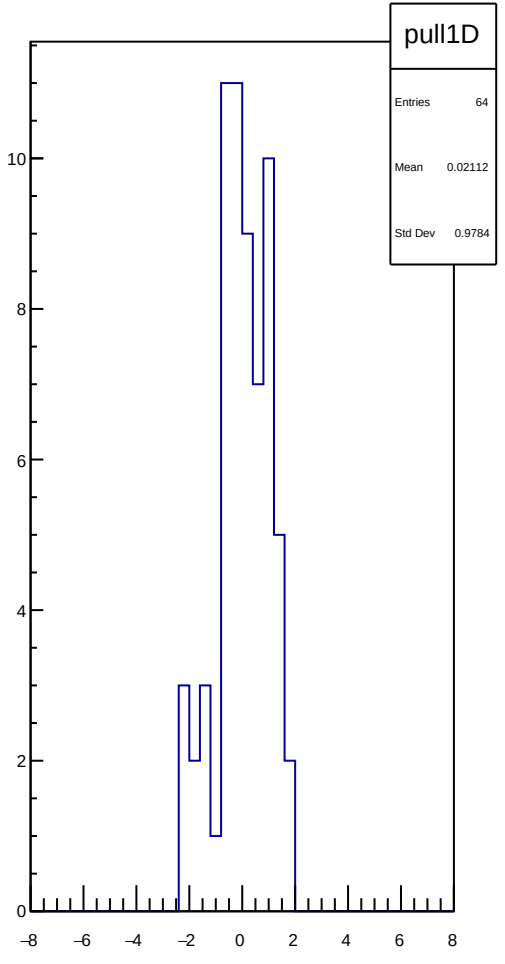

asym_at1_avg_rms vs run
χ^2 / ndf 878.9 / 63
p0 1942 ± 1.755
2100
2050
2000
1950
1900
1850

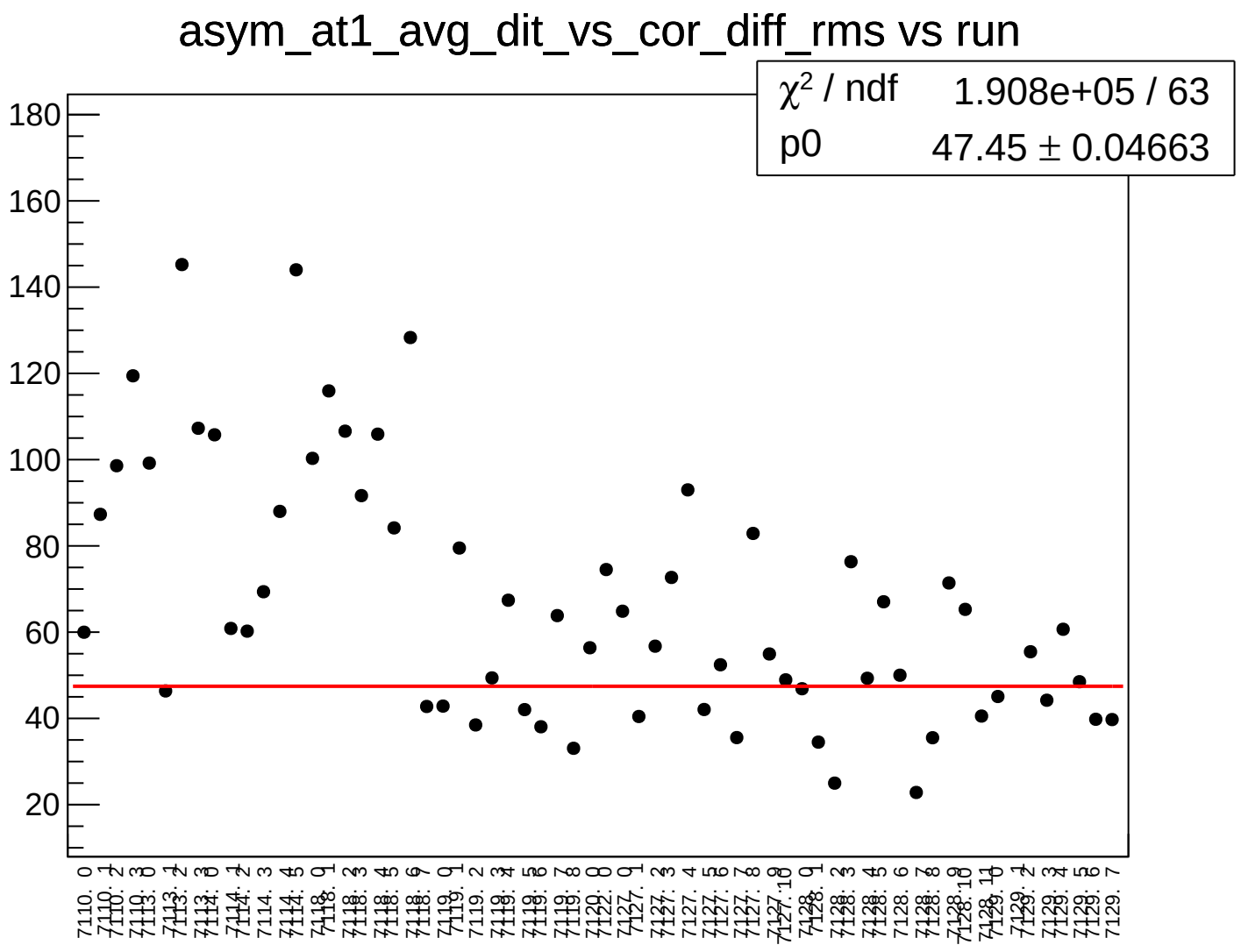

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.25 / 63
p0 1.332e−14 ± 1.851e−14
pull
Entries 64
Mean 36.45
Std Dev 0

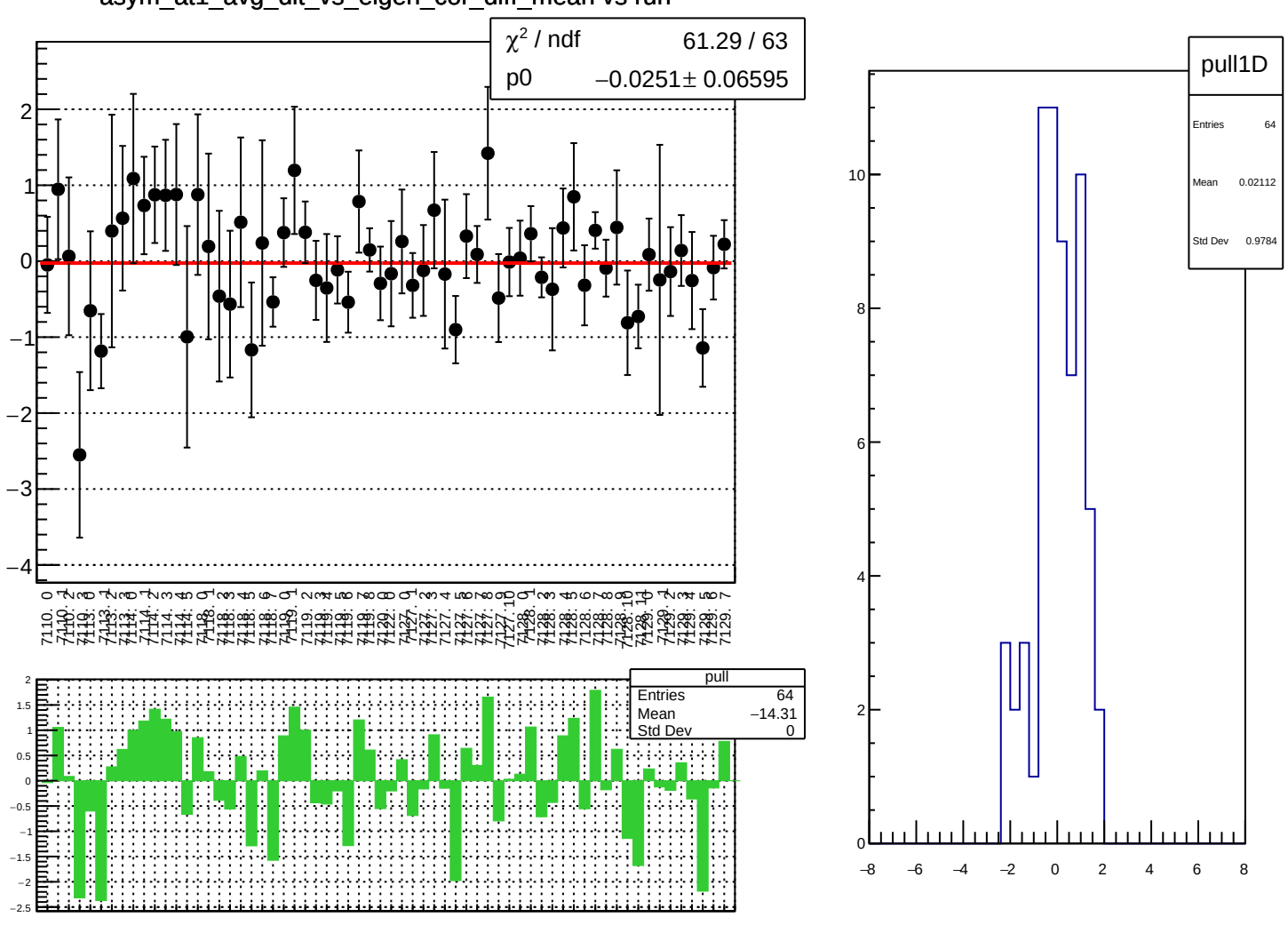

pull1D
Entries 64
Mean −0.07922
Std Dev 0.9001

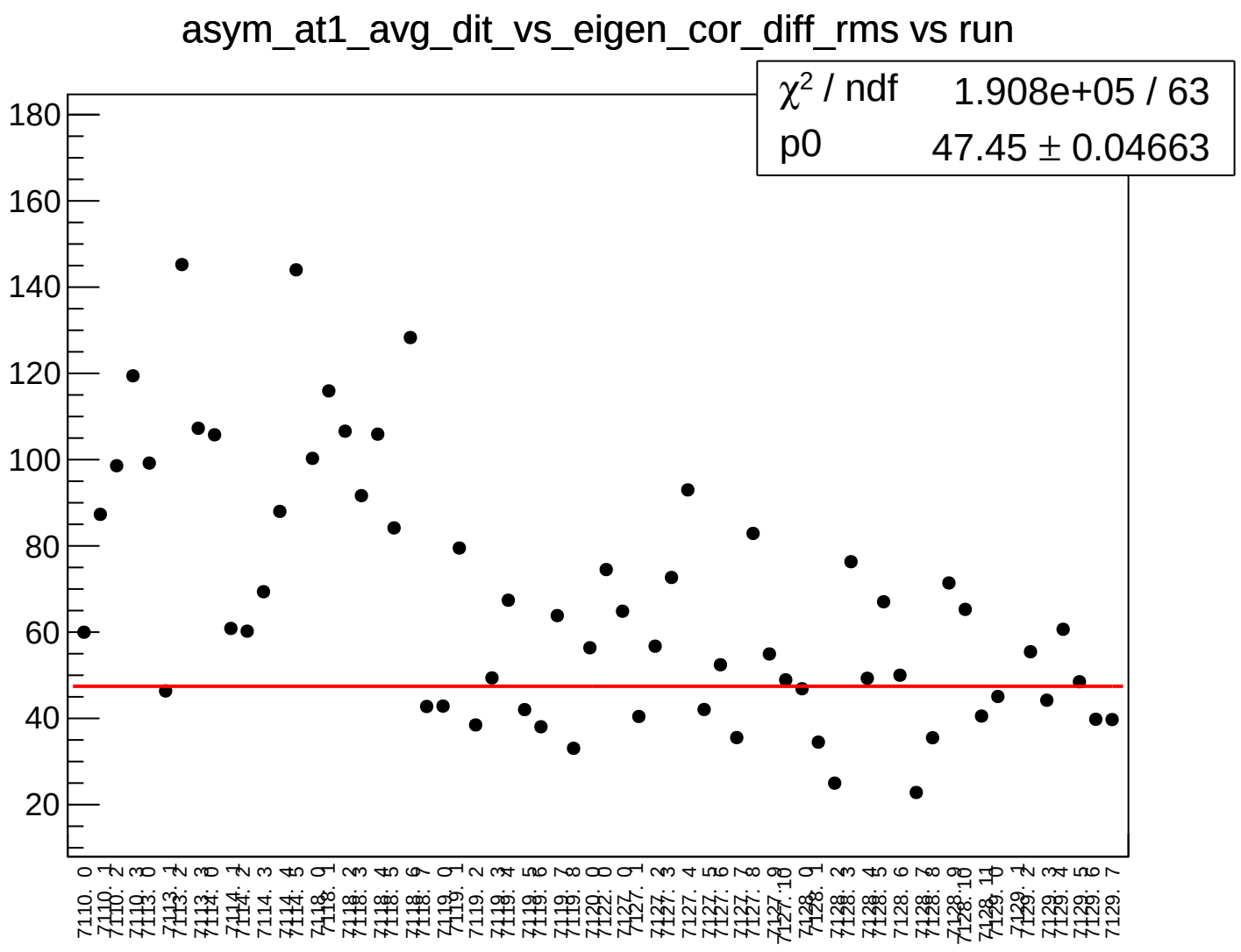

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.617e+05 / 63
p0 7.899e−12 ± 1.309e−14
1.2
1
0.8
0.6
0.4
0.2
0

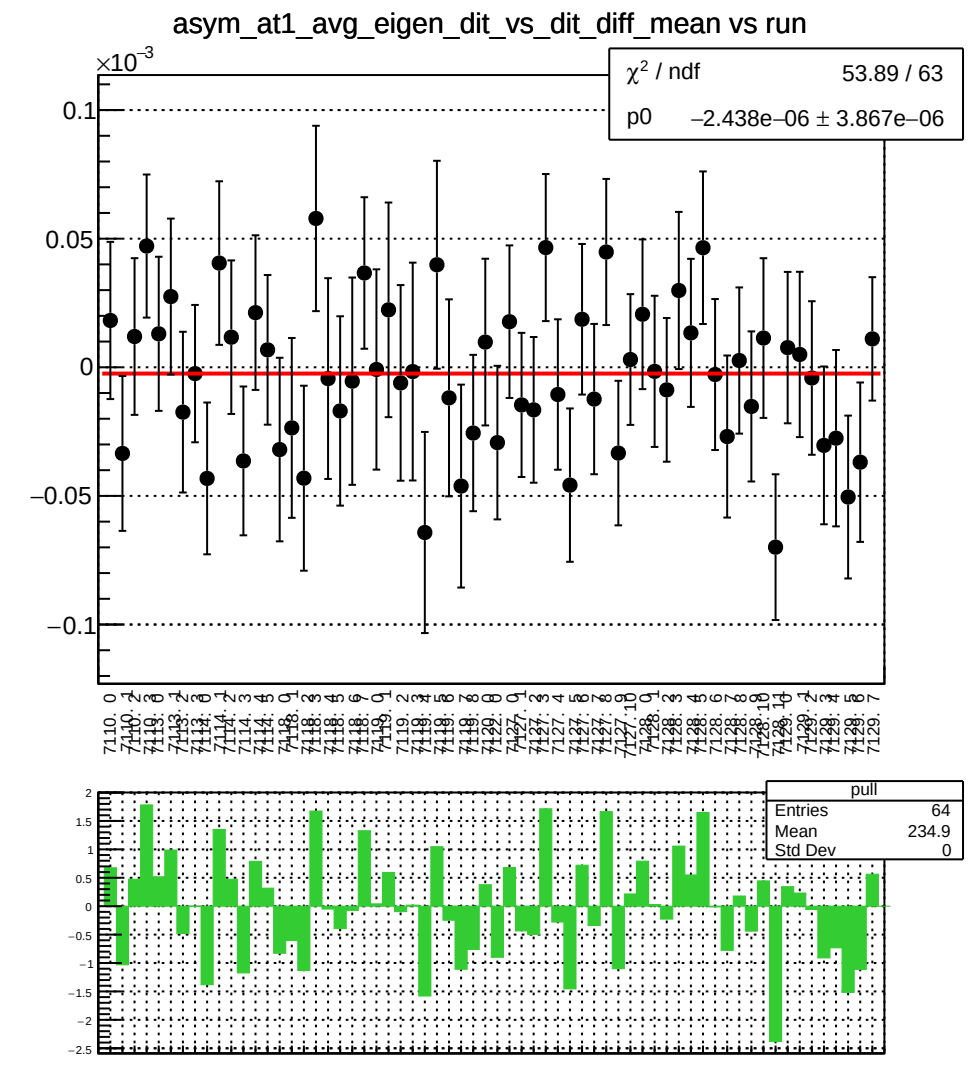

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.29 / 63
p0 −0.0251± 0.06595
pull
Entries 64
Mean −14.31
Std Dev 0

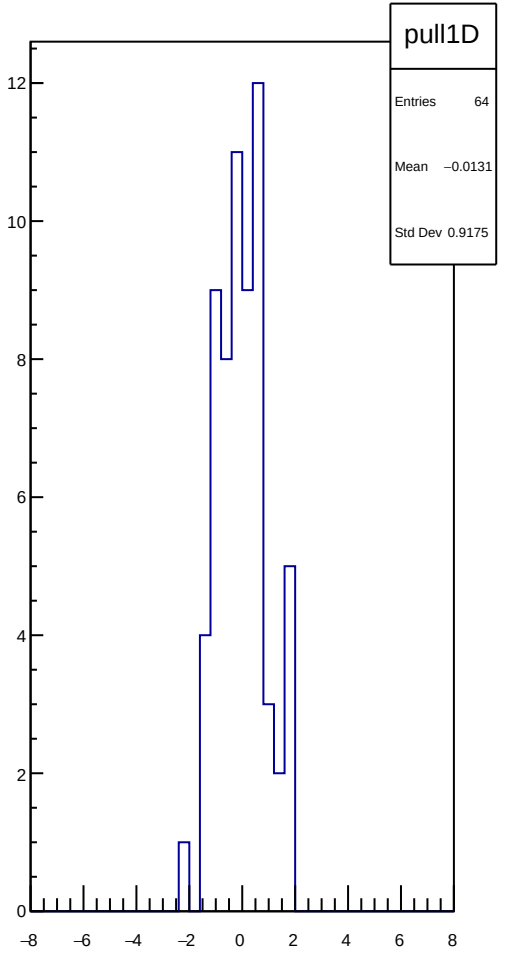

pull1D
Entries 64
Mean 0.02112
Std Dev 0.9784

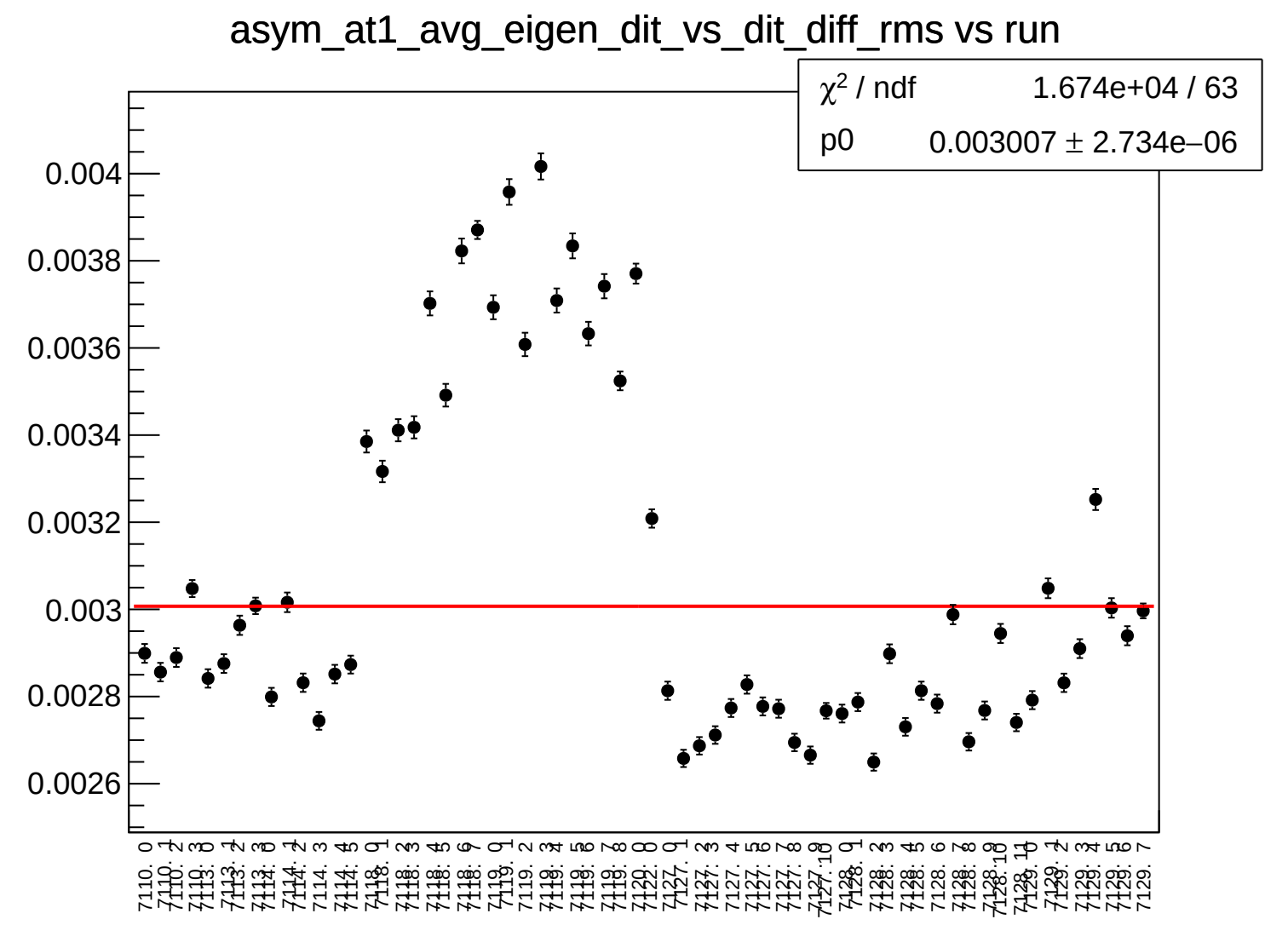

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.908e+05 / 63
p0 47.45 ± 0.04663
180
160
140
120
100
80
60
40
20

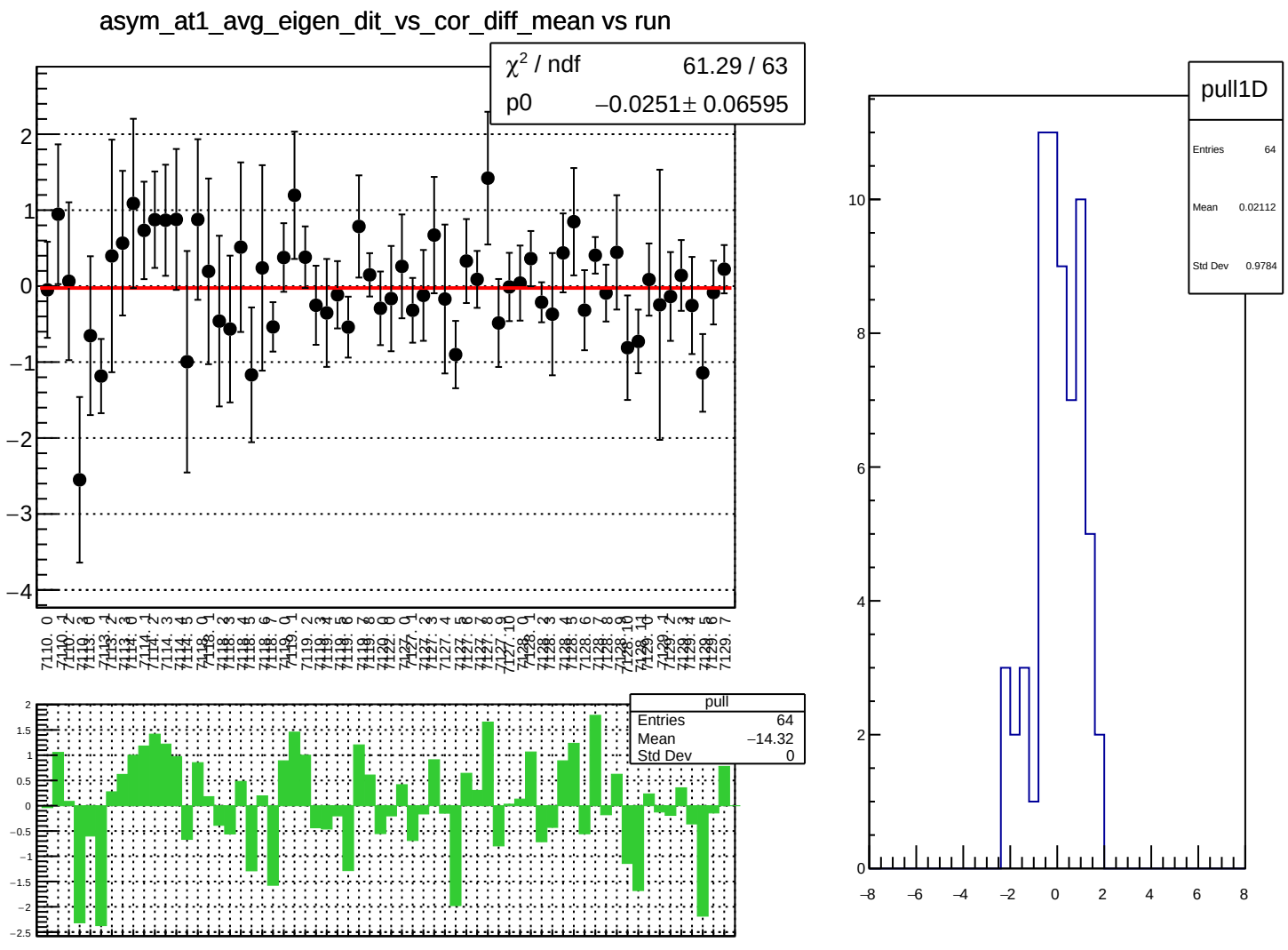

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.29 / 63
p0 −0.0251± 0.06595
pull
Entries 64
Mean −14.31
Std Dev 0
pull1D
Entries 64
Mean 0.02112
Std Dev 0.9784

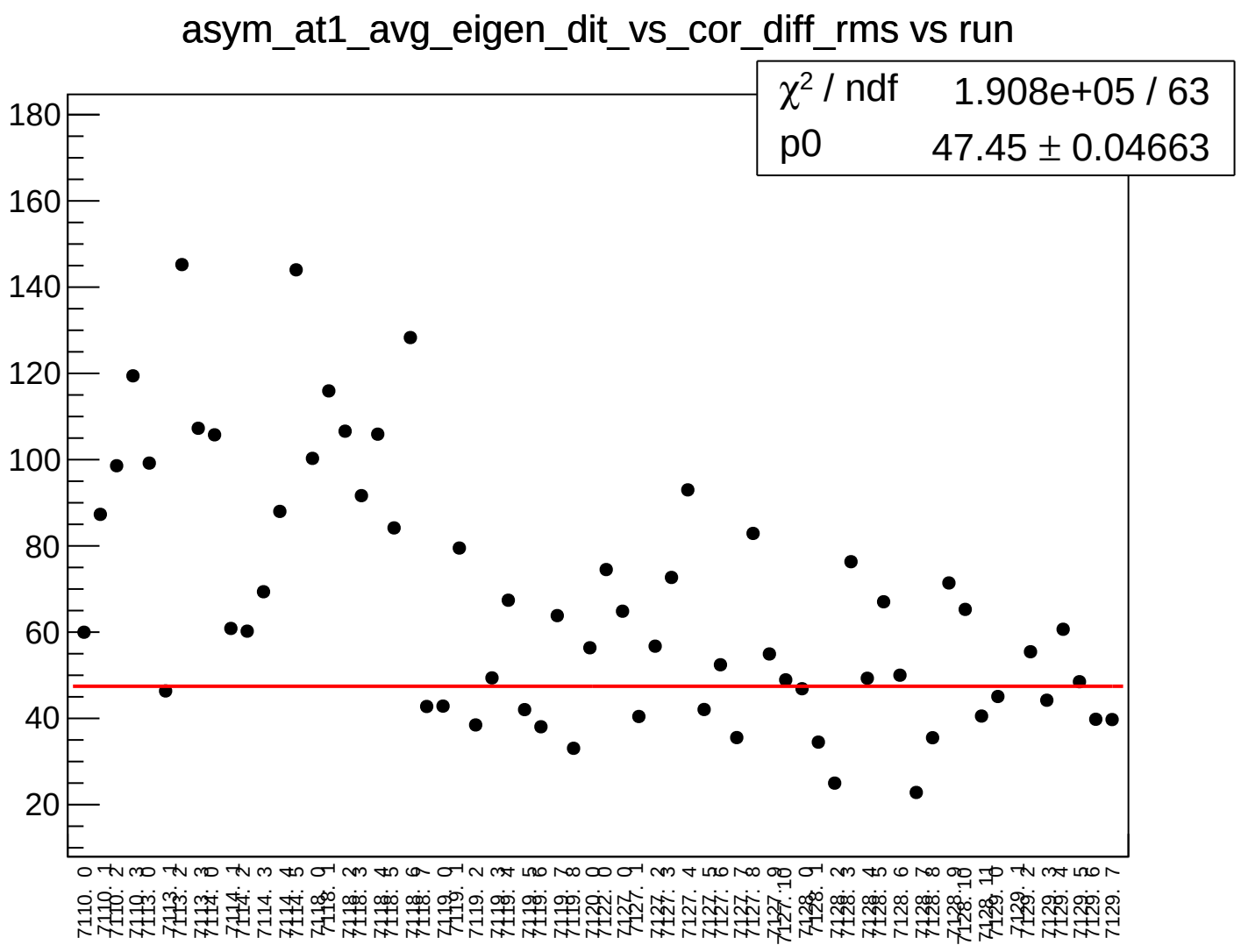

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.908e+05 / 63
p0 47.45 ± 0.04663
180
160
140
120
100
80
60
40
20

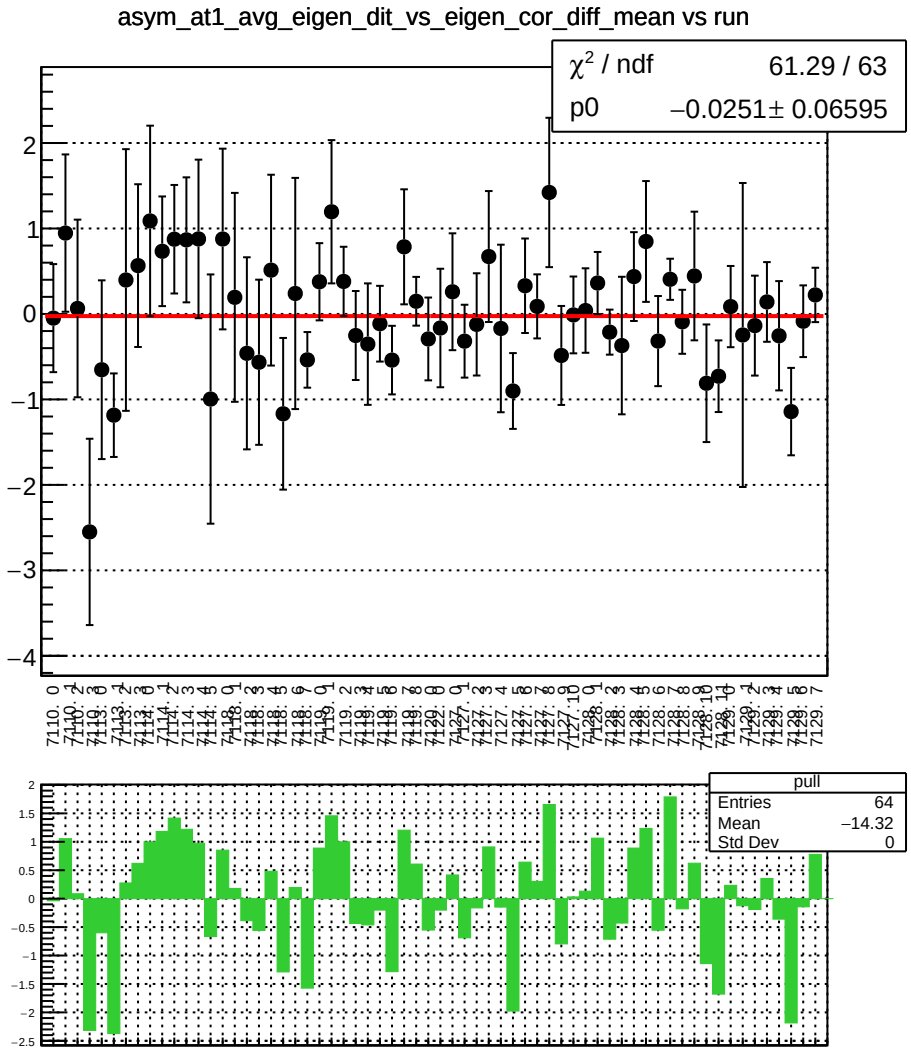

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.89 / 63
p0 −2.438e−06 ± 3.867e−06
pull
Entries 64
Mean 234.9
Std Dev 0

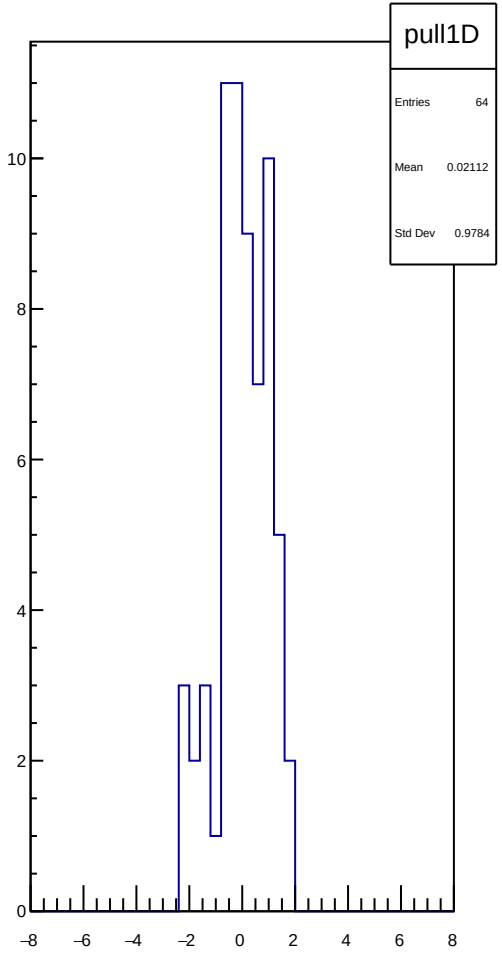

pull1D
Entries 64
Mean −0.0131
Std Dev 0.9175

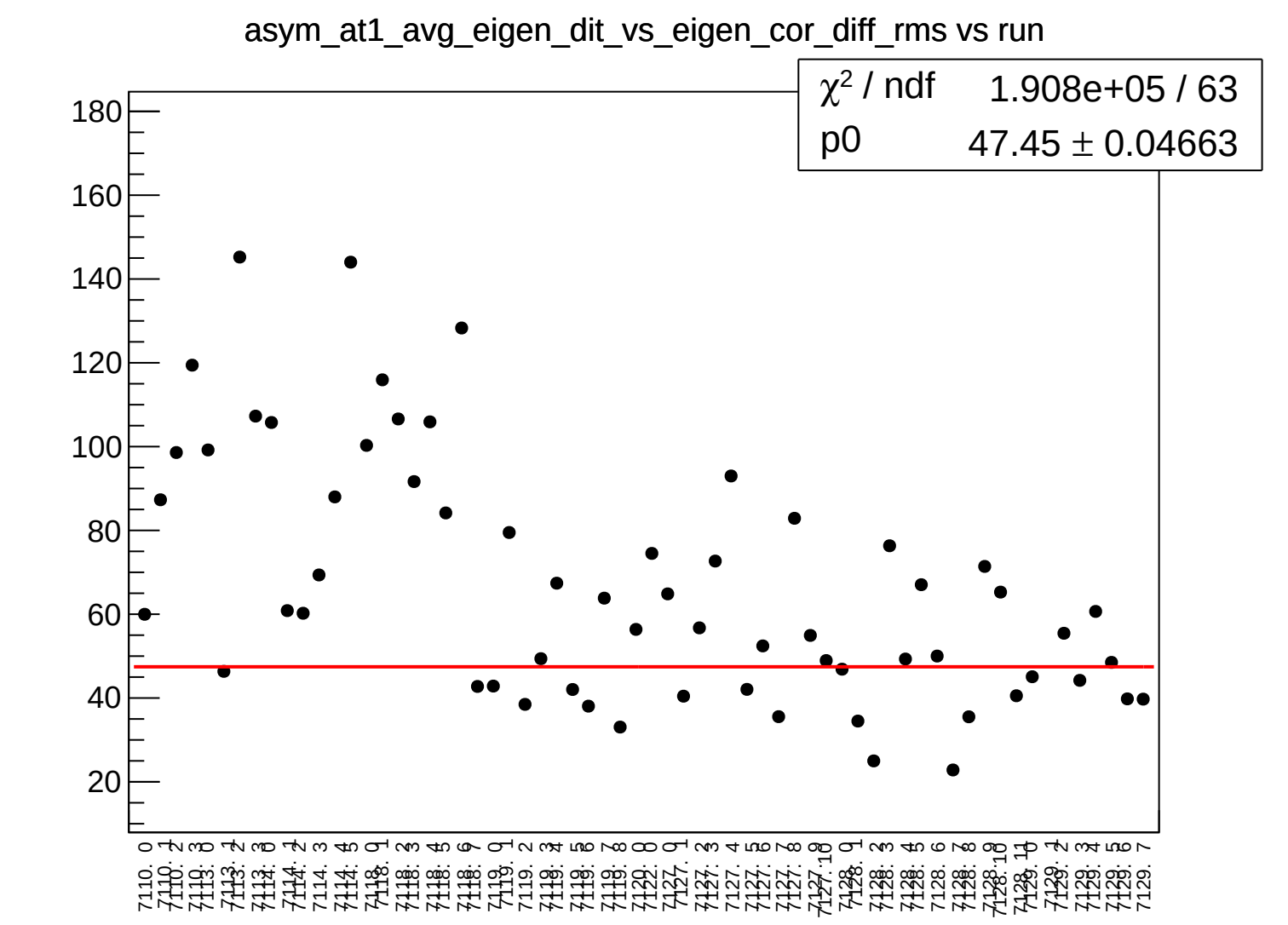

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.674e+04 / 63
p0 0.003007 ± 2.734e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026

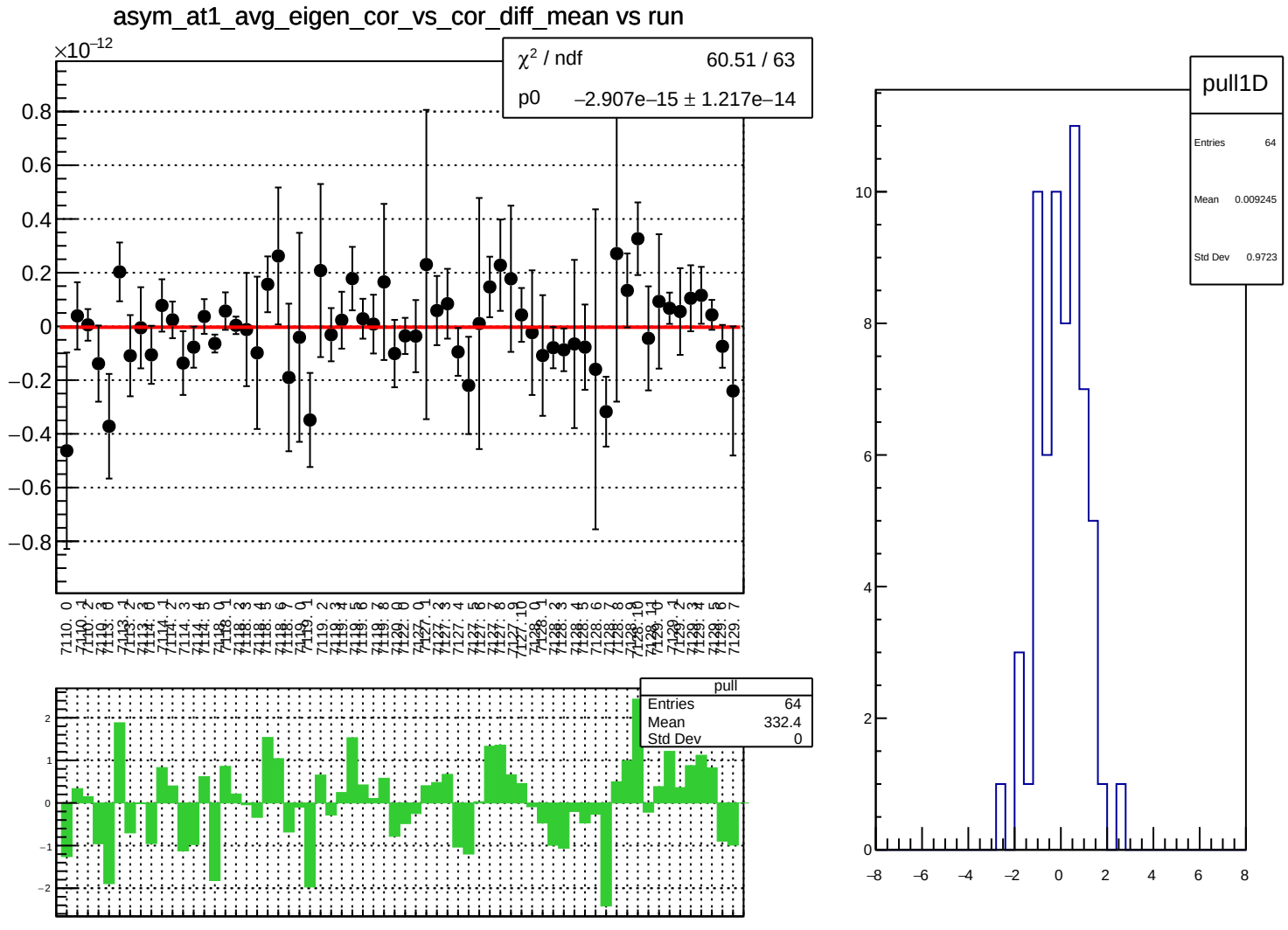

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.29 / 63
p0 −0.0251± 0.06595
pull
Entries 64
Mean −14.32
Std Dev 0
pull1D
Entries 64
Mean 0.02112
Std Dev 0.9784

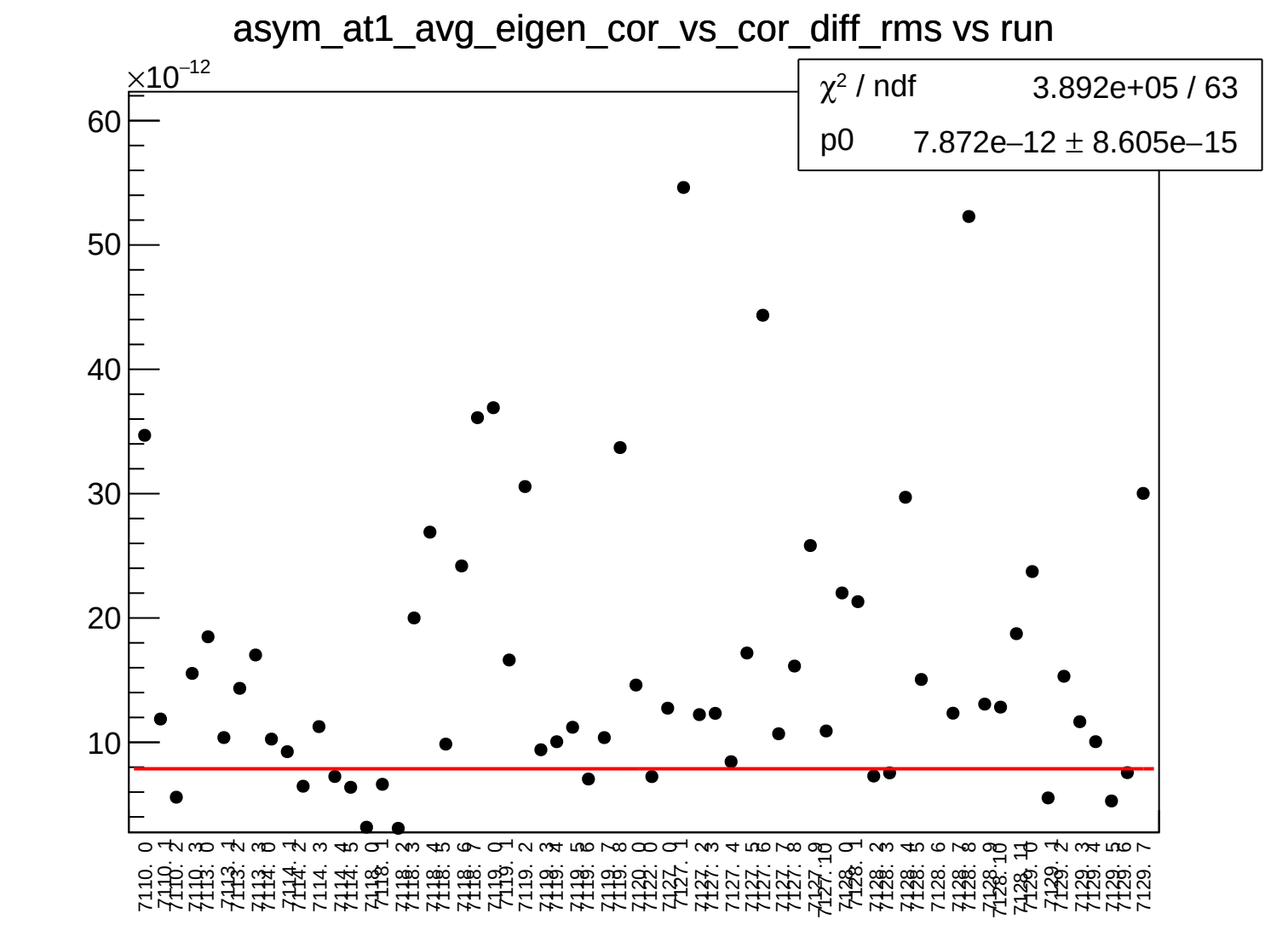

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.908e+05 / 63
p0 47.45 ± 0.04663
180
160
140
120
100
80
60
40
20

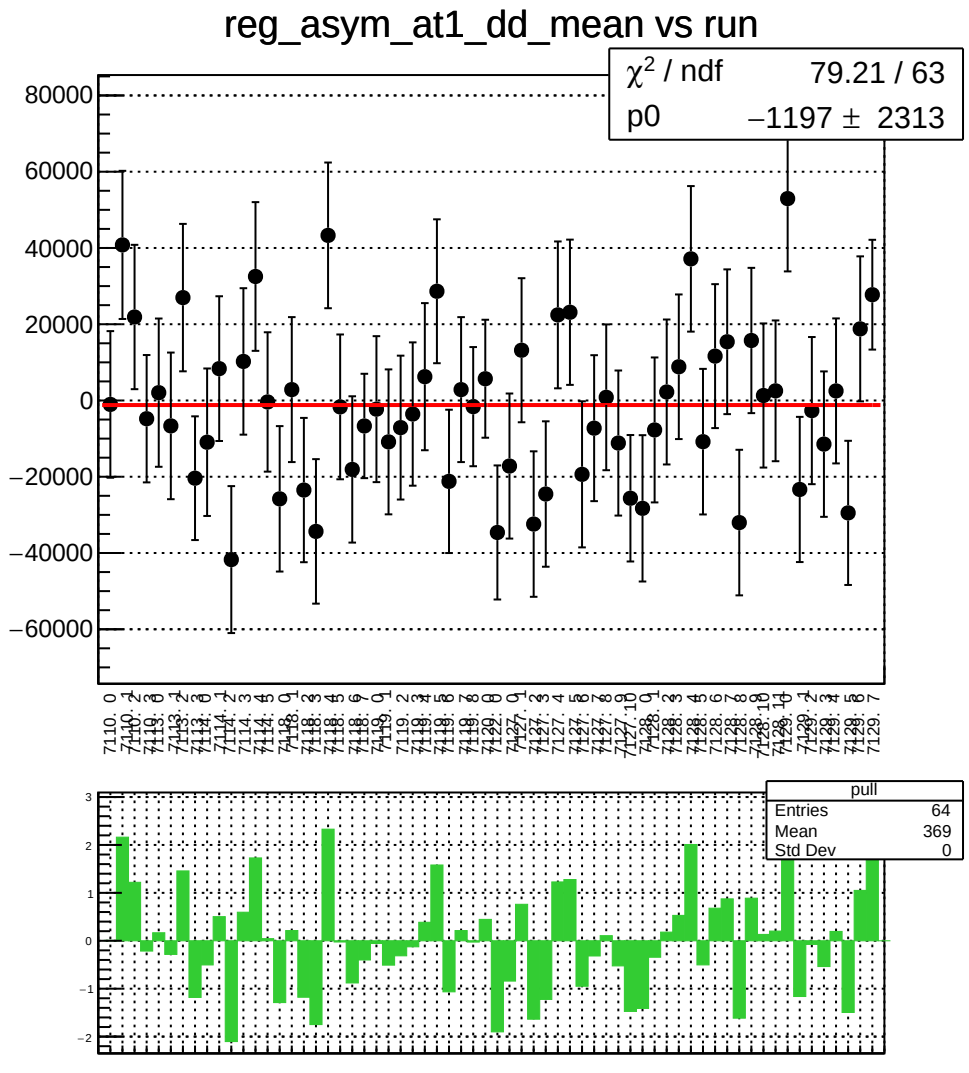

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.29 / 63
p0 −0.0251± 0.06595
pull
Entries 64
Mean −14.32
Std Dev 0

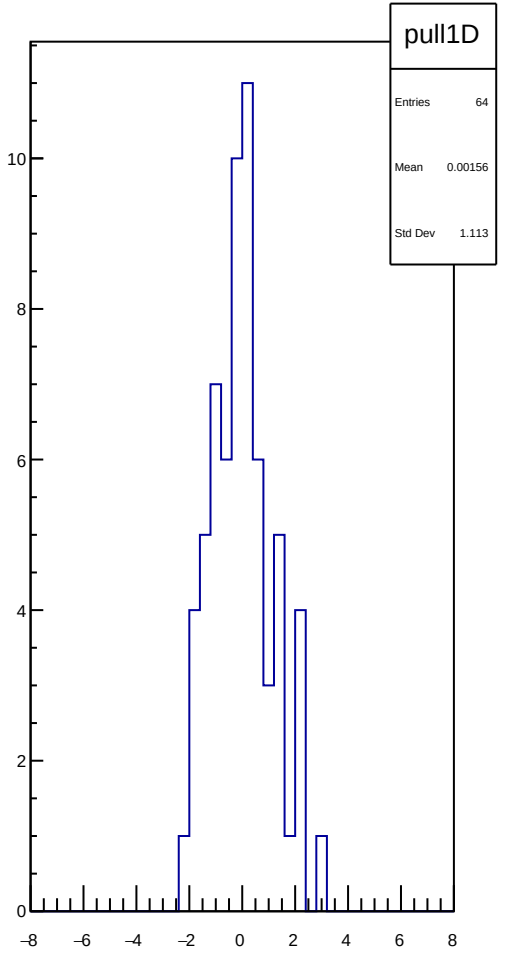

pull1D
Entries 64
Mean 0.02112
Std Dev 0.9784

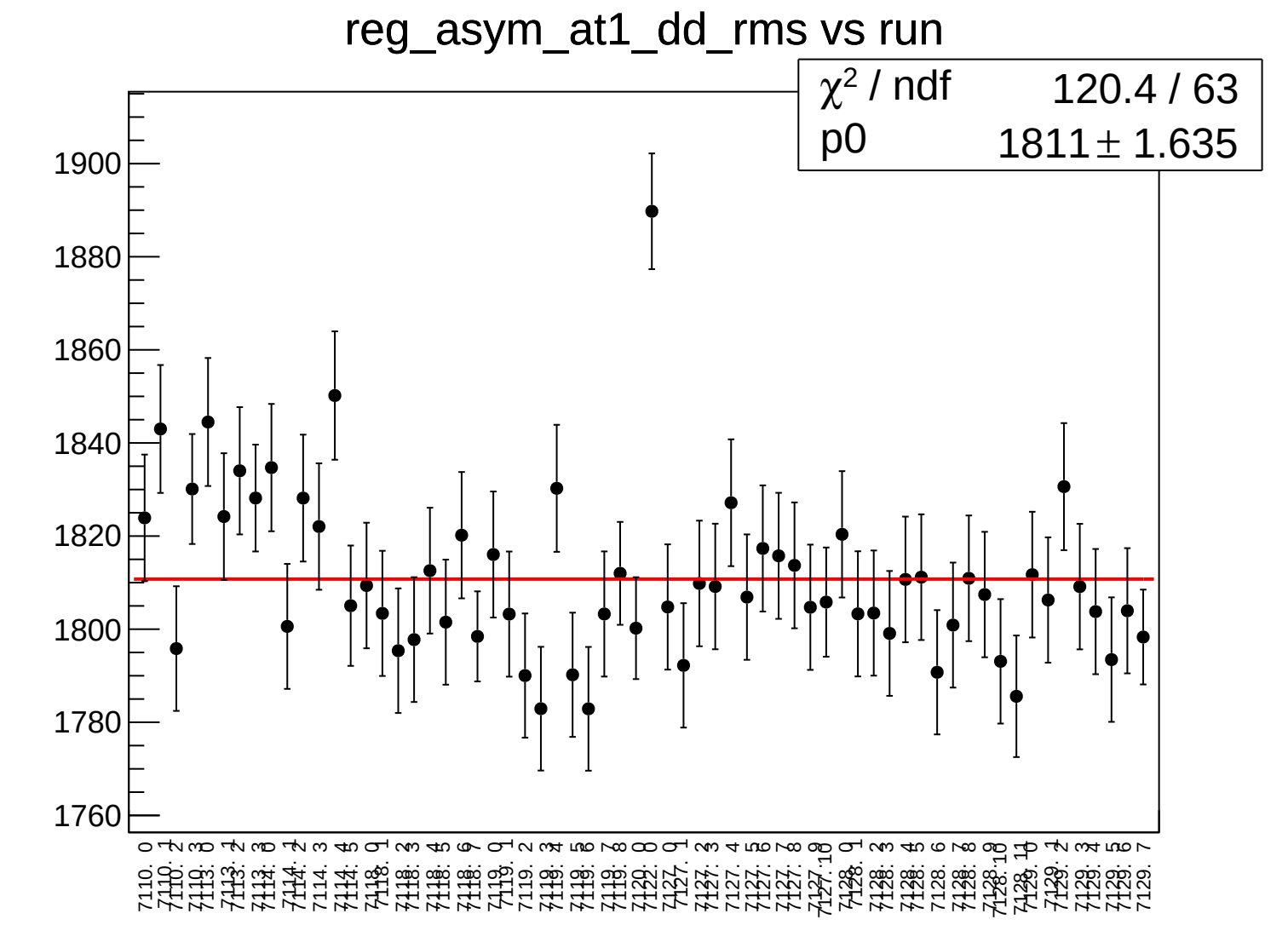

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.908e+05 / 63
p0 47.45 ± 0.04663
180
160
140
120
100
80
60
40
20

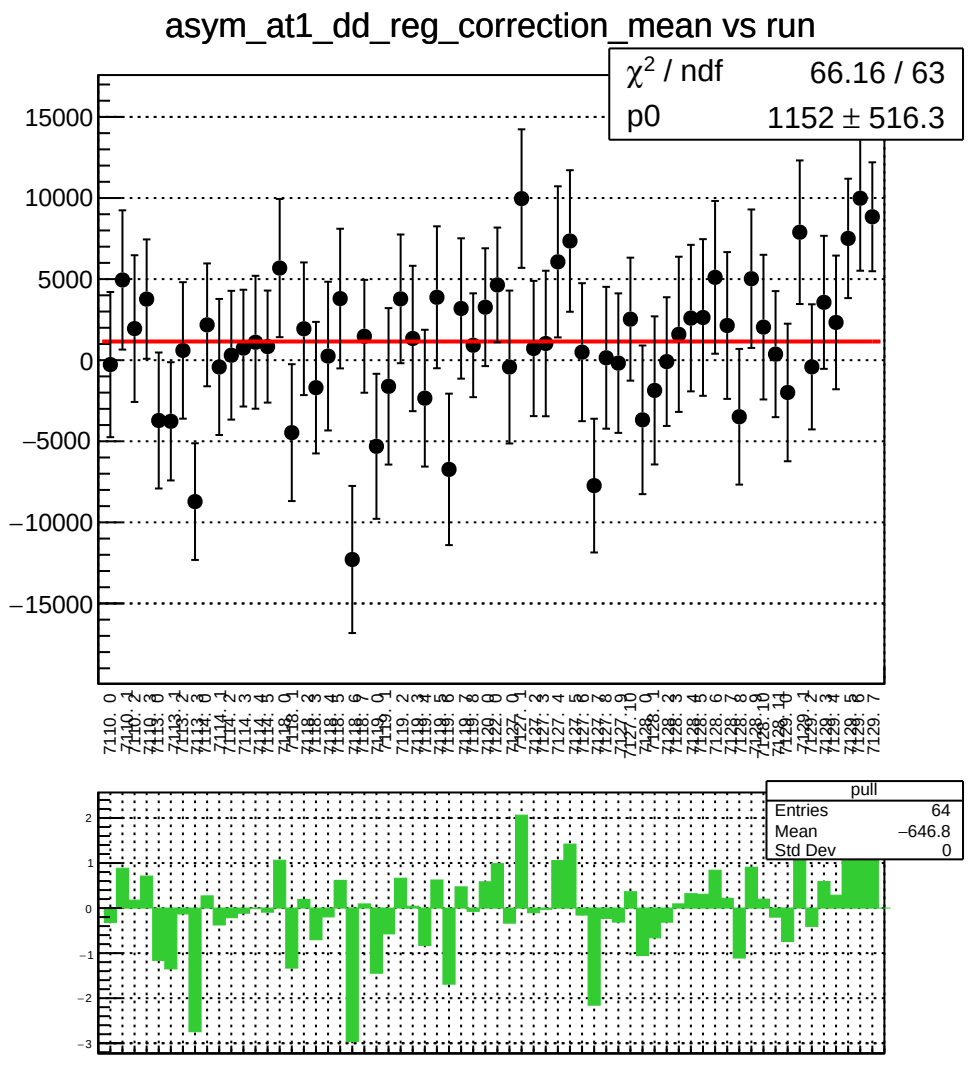

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.51 / 63
p0 −2.907e−15 ± 1.217e−14
pull
Entries 64
Mean 332.4
Std Dev 0
pull1D
Entries 64
Mean 0.009245
Std Dev 0.9723

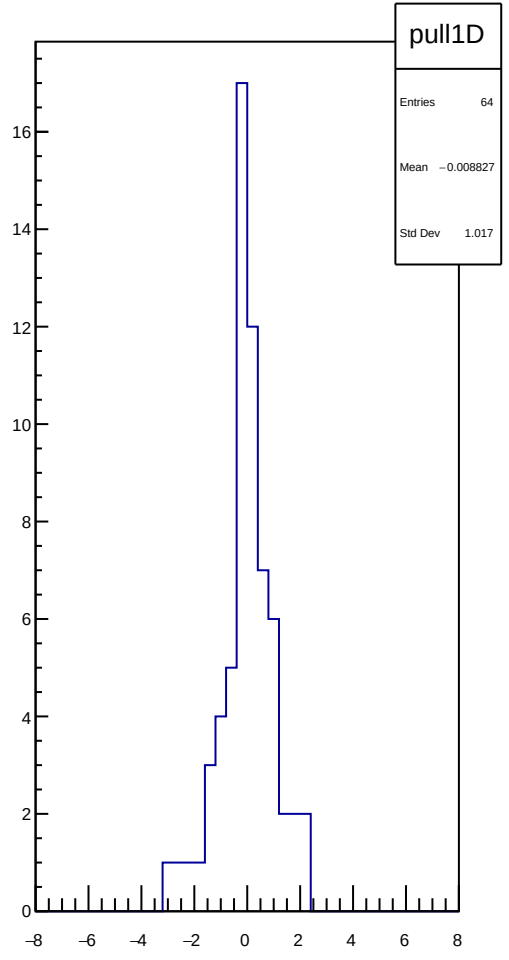

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.892e+05 / 63
p0 7.872e−12 ± 8.605e−15
60
50
40
30
20
10

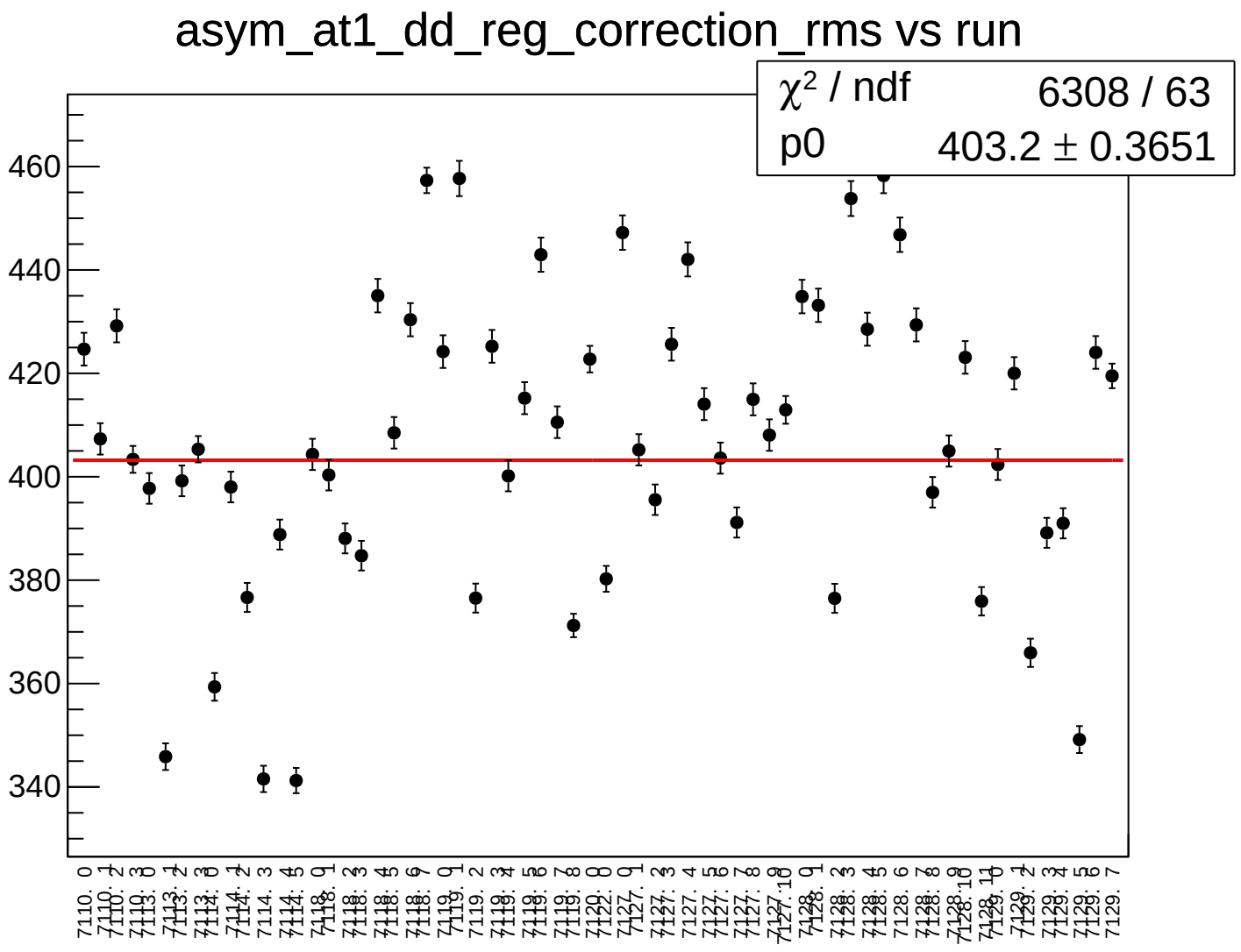

reg_asym_at1_dd_mean vs run
χ² / ndf 79.21 / 63
p0 −1197 ± 2313
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 369
Std Dev 0
3
2
1
0
−1
−2

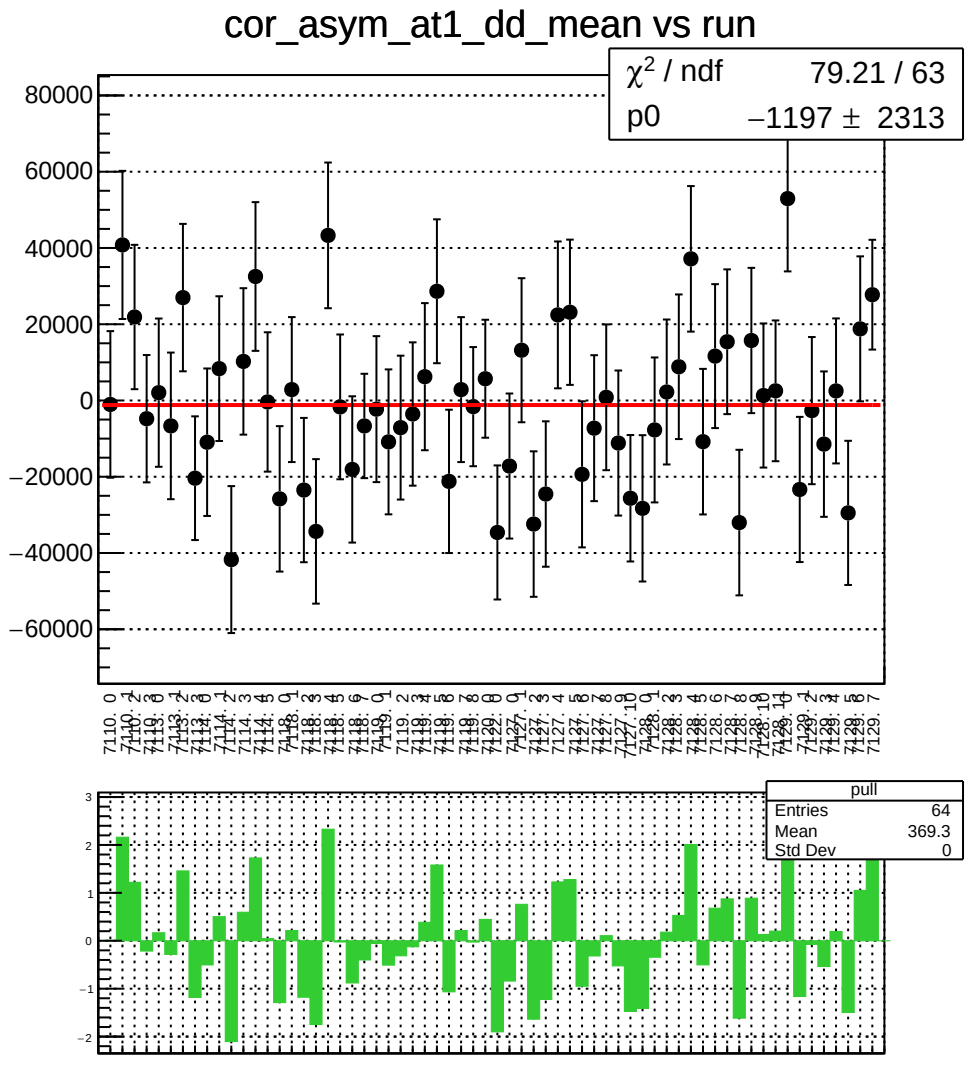

pull1D
Entries 64
Mean 0.00156
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

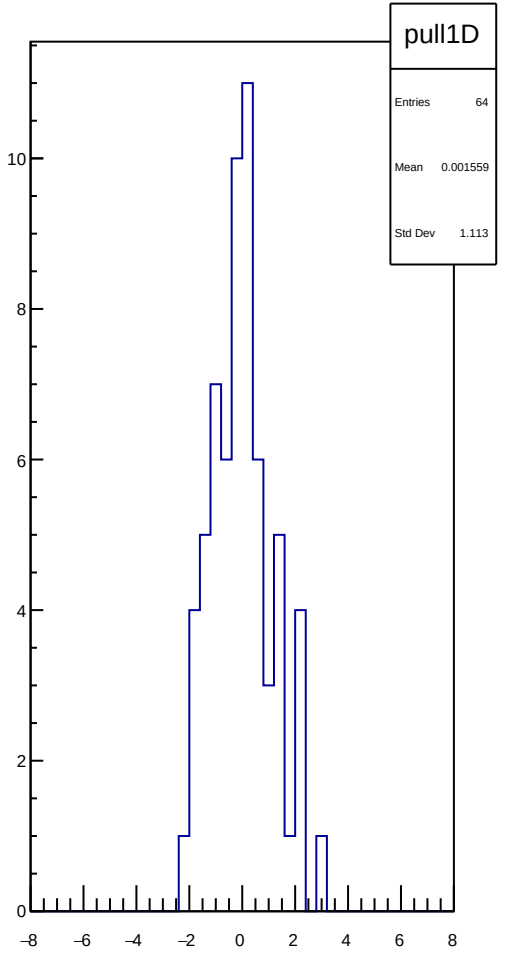

reg_asym_at1_dd_rms vs run
χ² / ndf 120.4 / 63
p0 1811 ± 1.635
1900
1880
1860
1840
1820
1800
1780
1760

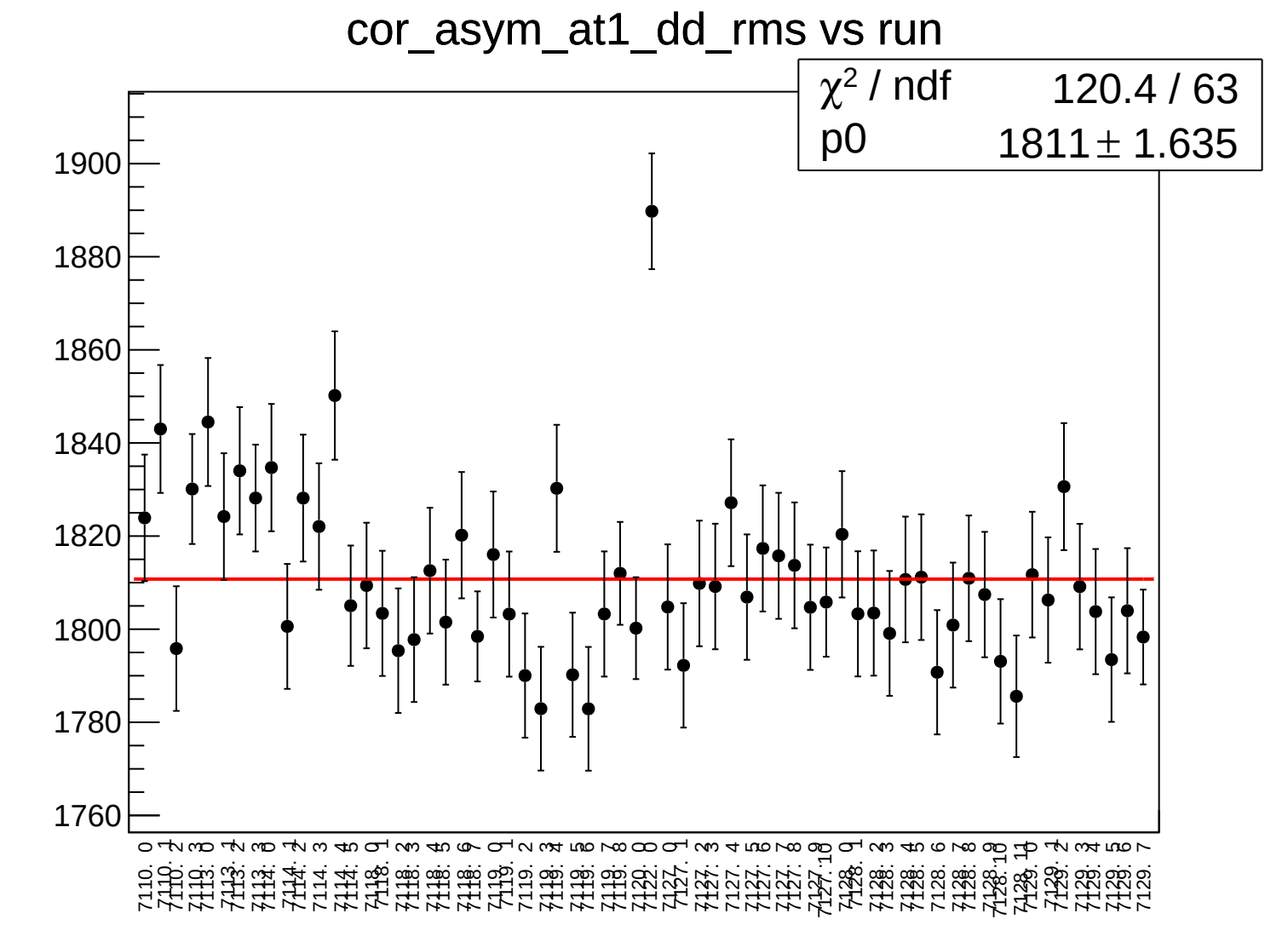

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 66.16 / 63
p0 1152 ± 516.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −646.8
Std Dev 0
2
1
0
−1
−2
−3

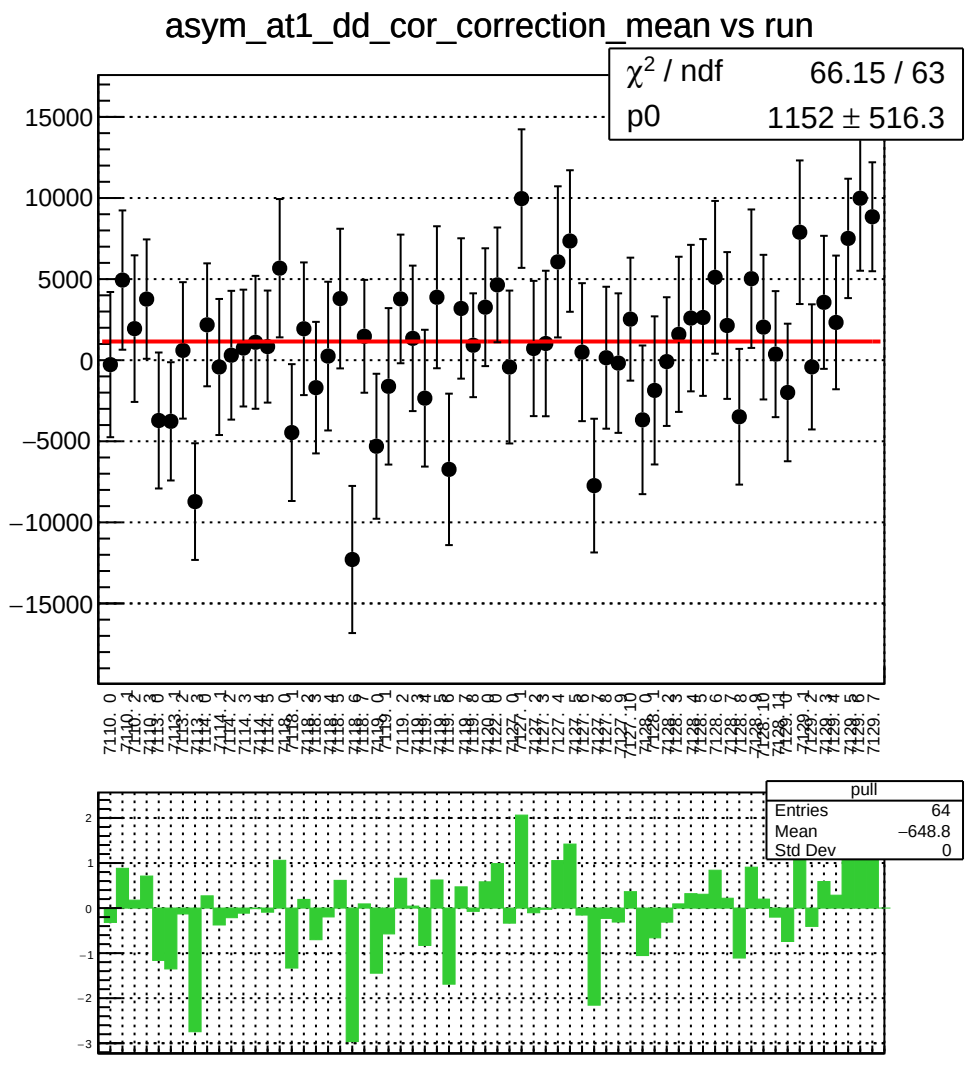

pull1D
Entries 64
Mean −0.008827
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

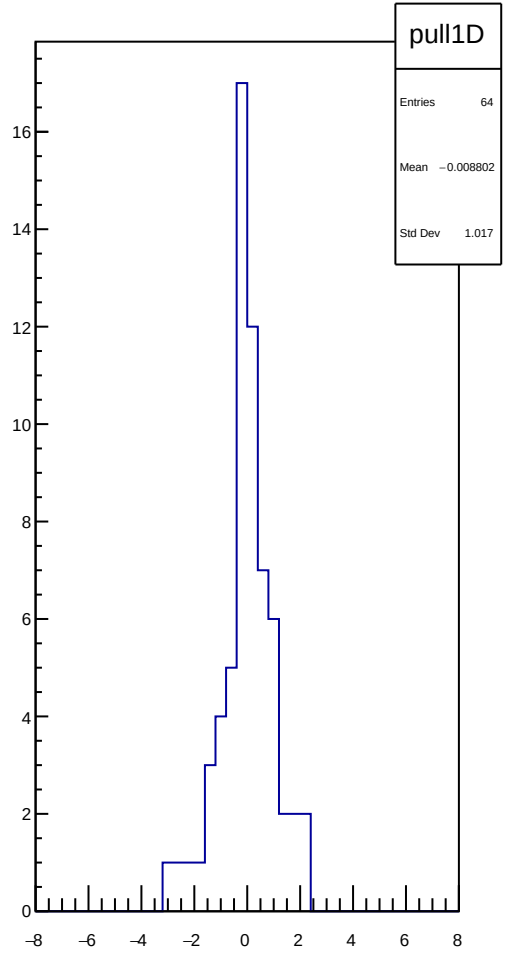

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 6308 / 63
p0 403.2 ± 0.3651
460
440
420
400
380
360
340

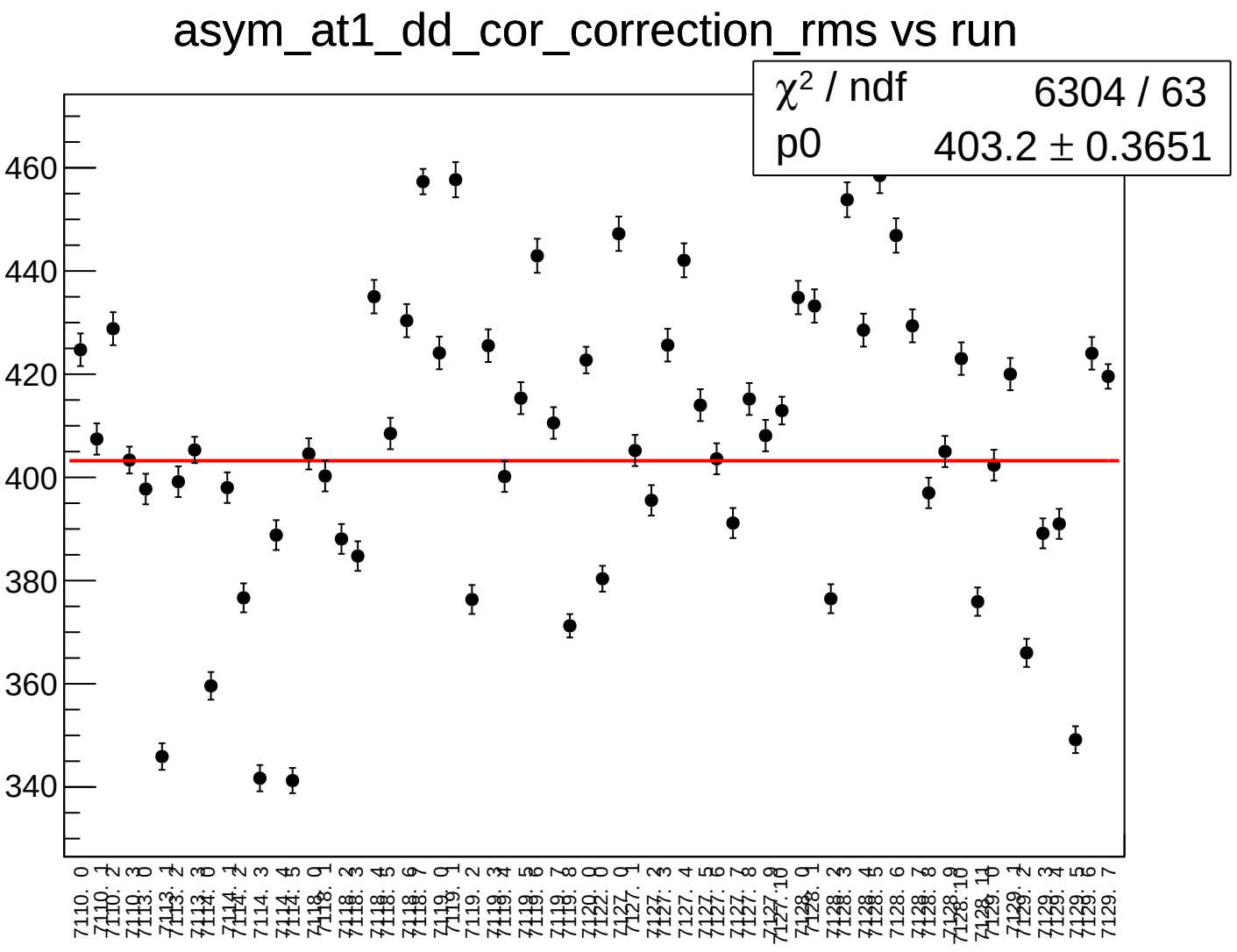

cor_asym_at1_dd_mean vs run
χ² / ndf 79.21 / 63
p0 −1197 ± 2313
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 369.3
Std Dev 0
3
2
1
0
−1
−2

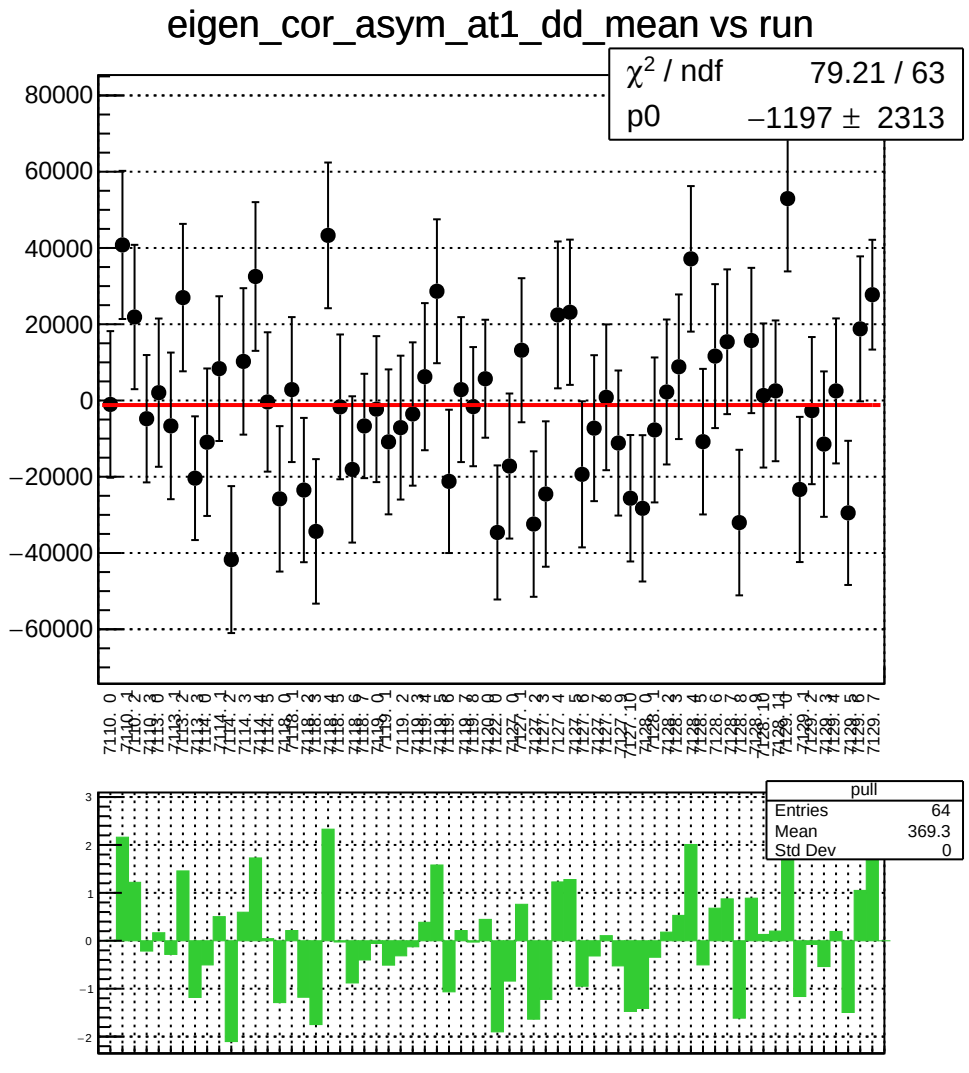

pull1D
Entries 64
Mean 0.001559
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

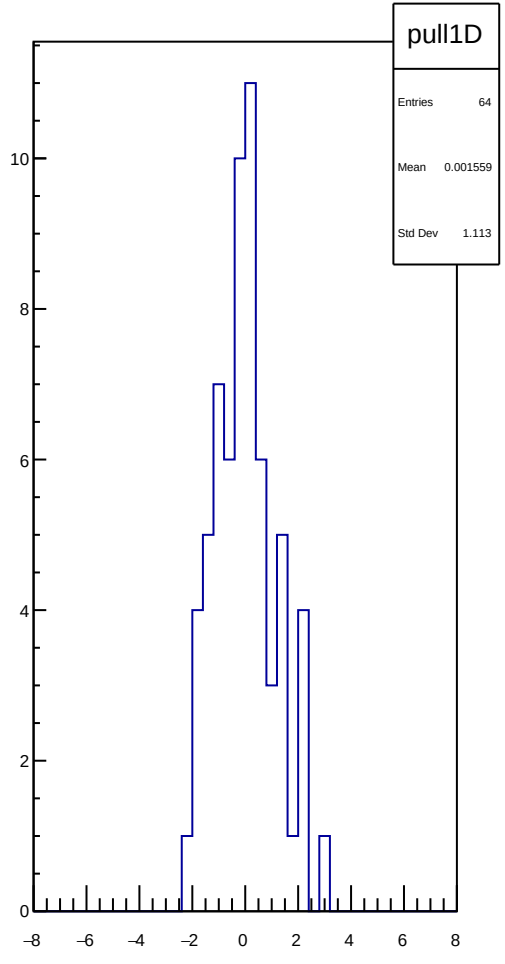

cor_asym_at1_dd_rms vs run
χ^2 / ndf 120.4 / 63
p0 1811 ± 1.635
1900
1880
1860
1840
1820
1800
1780
1760

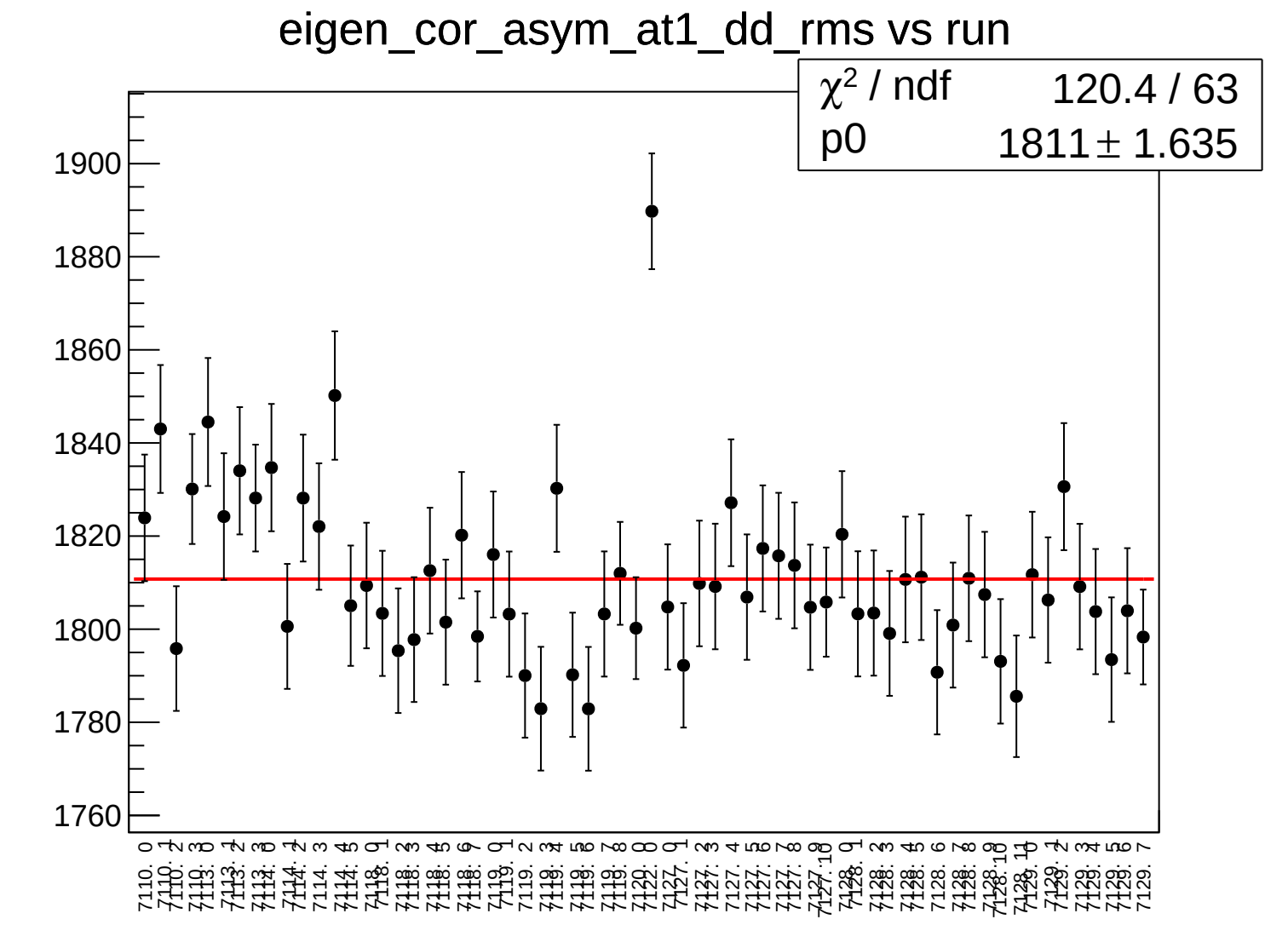

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 66.15 / 63
p0 1152 ± 516.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −648.8
Std Dev 0
2
1
0
−1
−2
−3

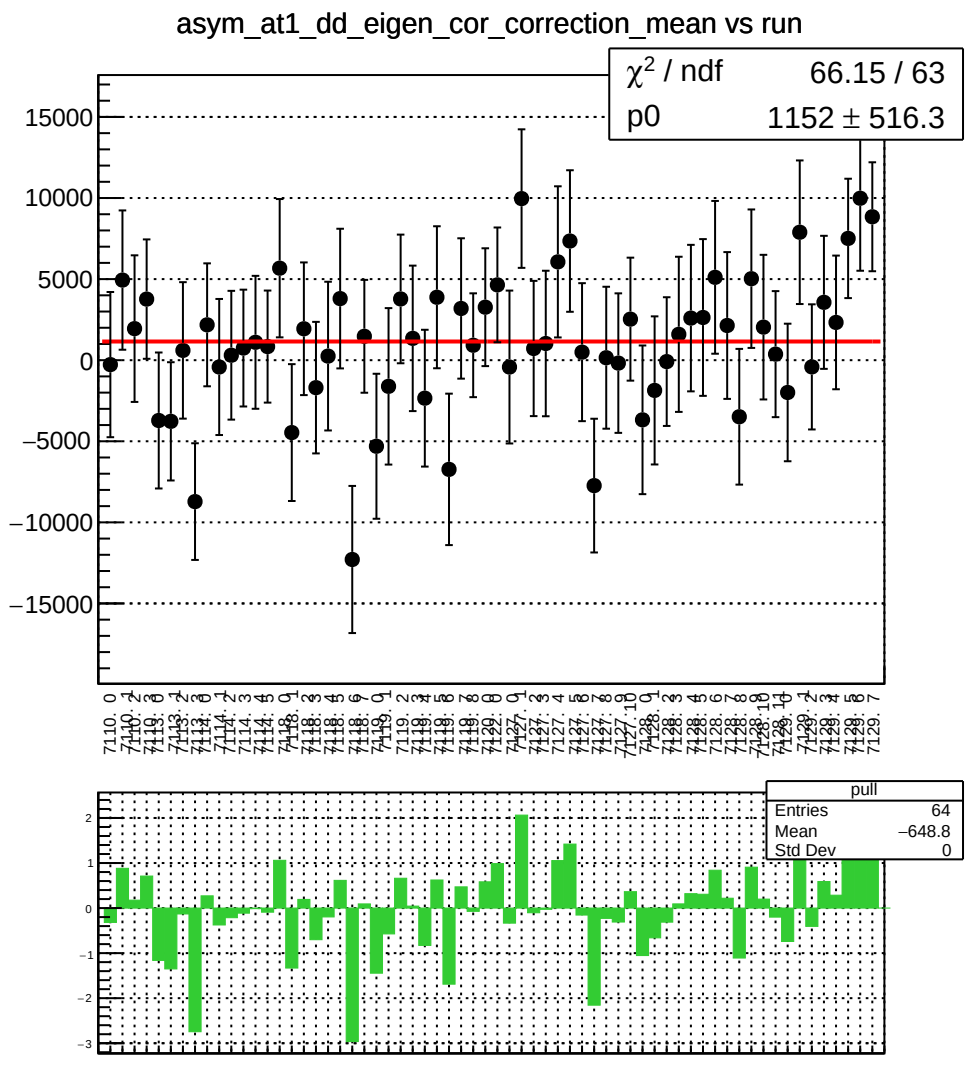

pull1D
Entries 64
Mean −0.008802
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

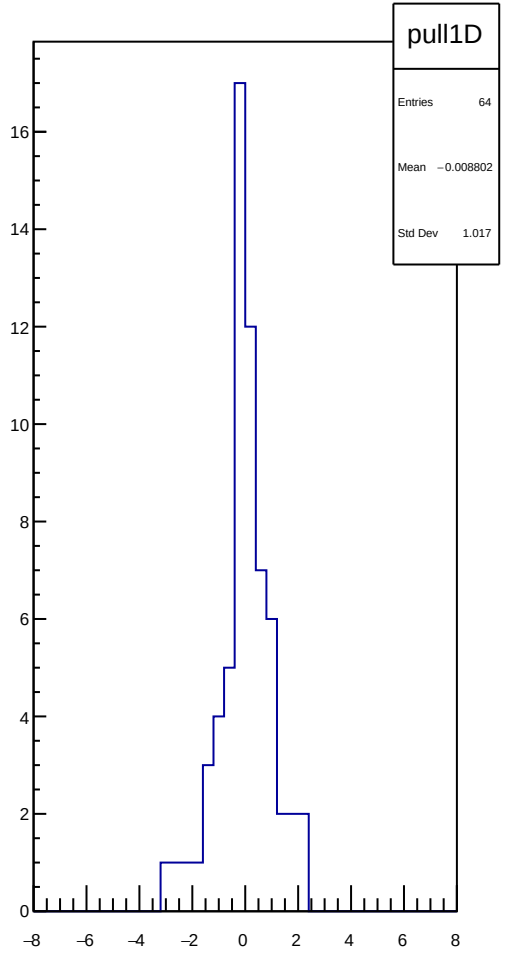

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 6304 / 63
p0 403.2 ± 0.3651
460
440
420
400
380
360
340

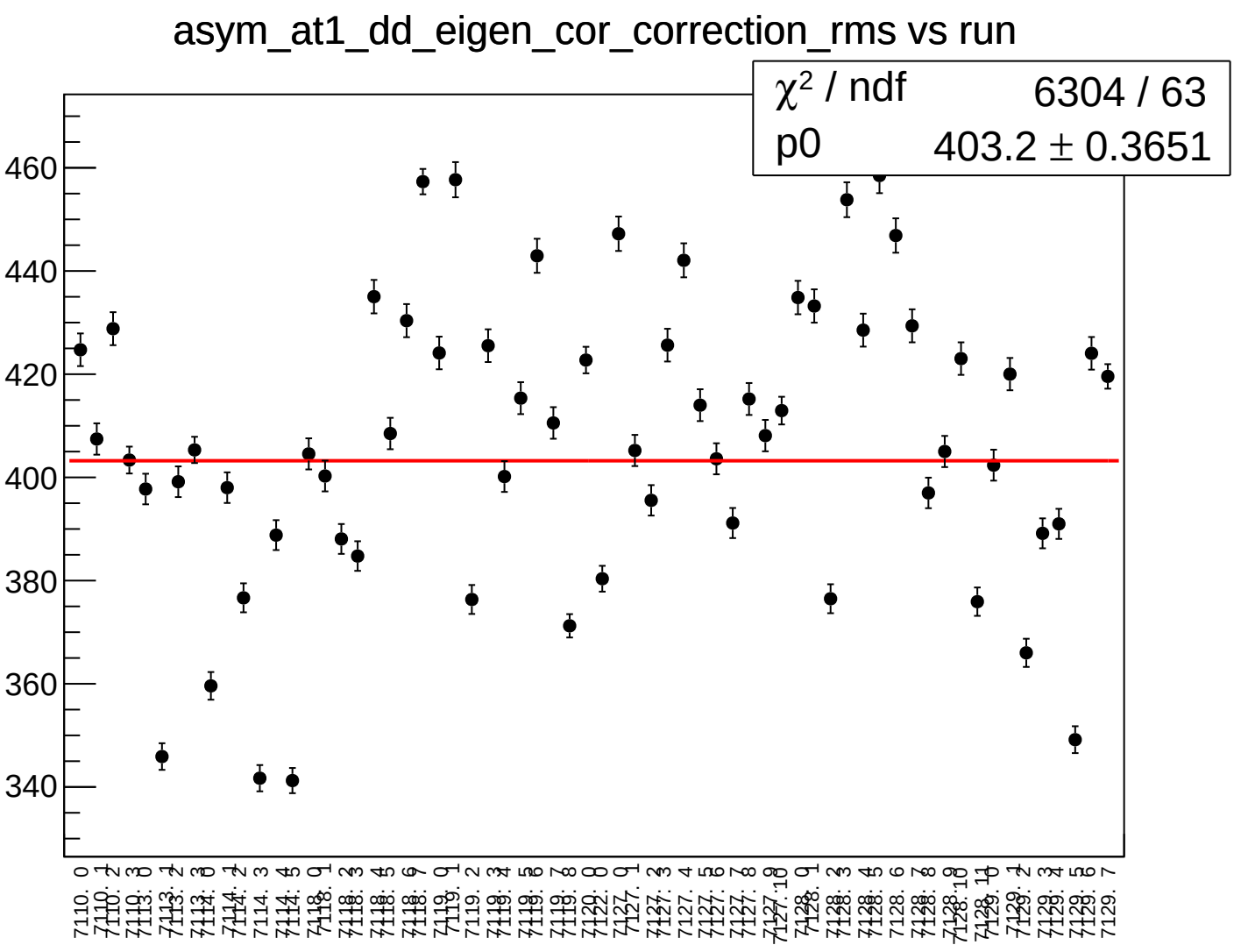

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 79.21 / 63
p0 −1197 ± 2313
pull
Entries 64
Mean 369.3
Std Dev 0

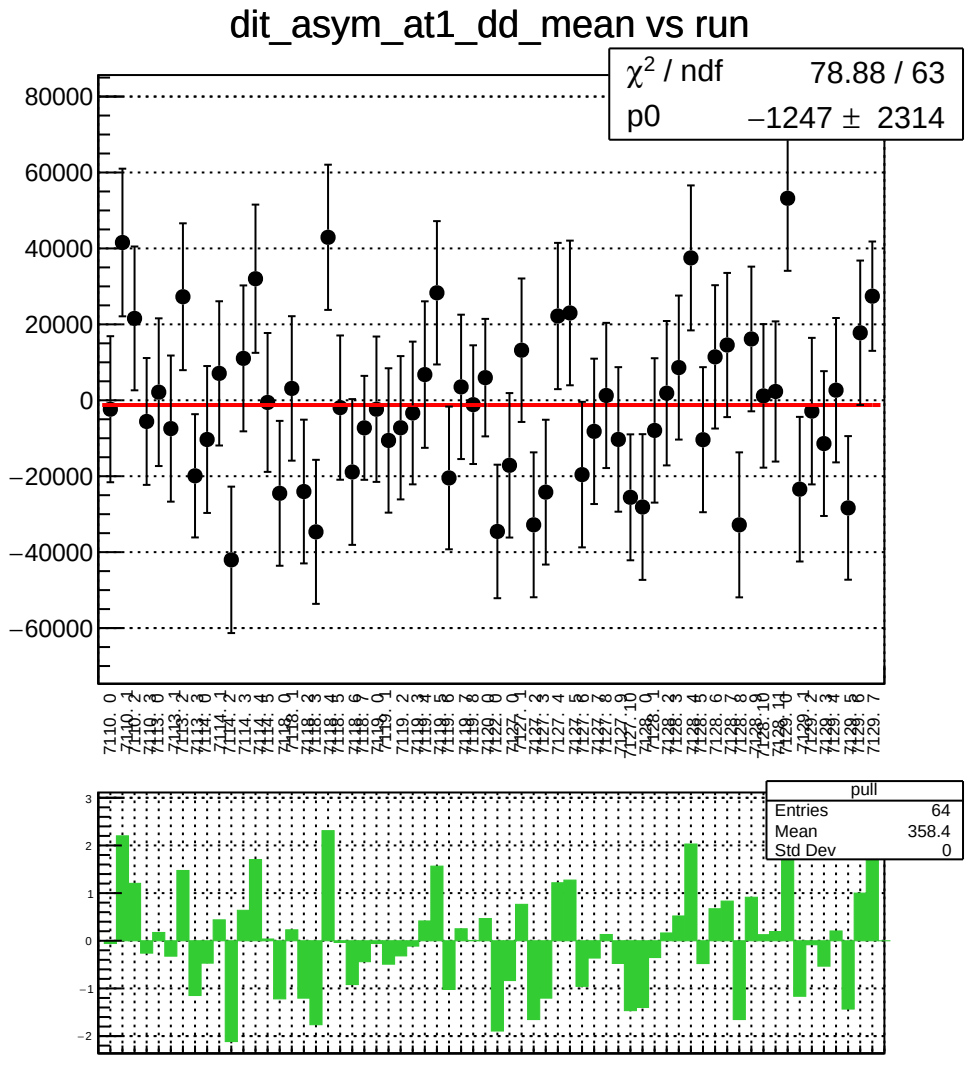

pull1D
Entries 64
Mean 0.001559
Std Dev 1.113

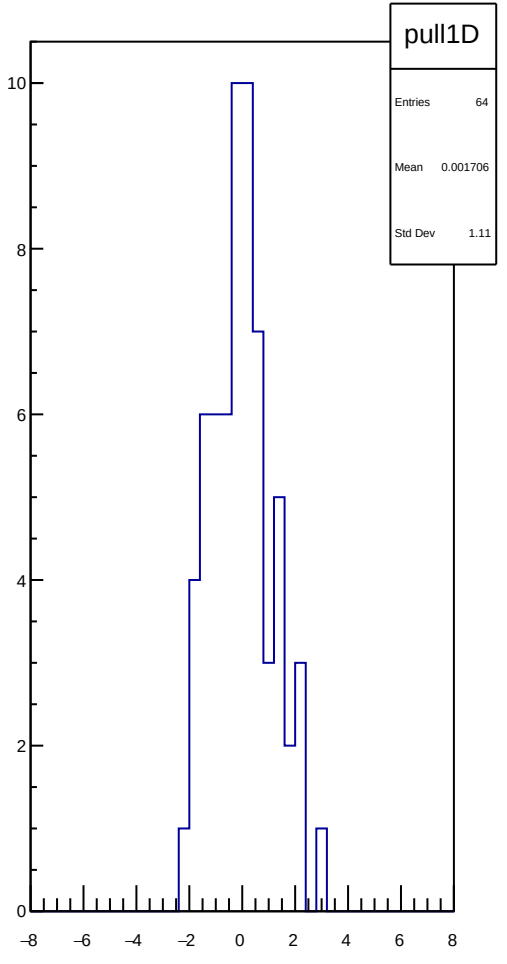

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 120.4 / 63
p0 1811 ± 1.635
1900
1880
1860
1840
1820
1800
1780
1760

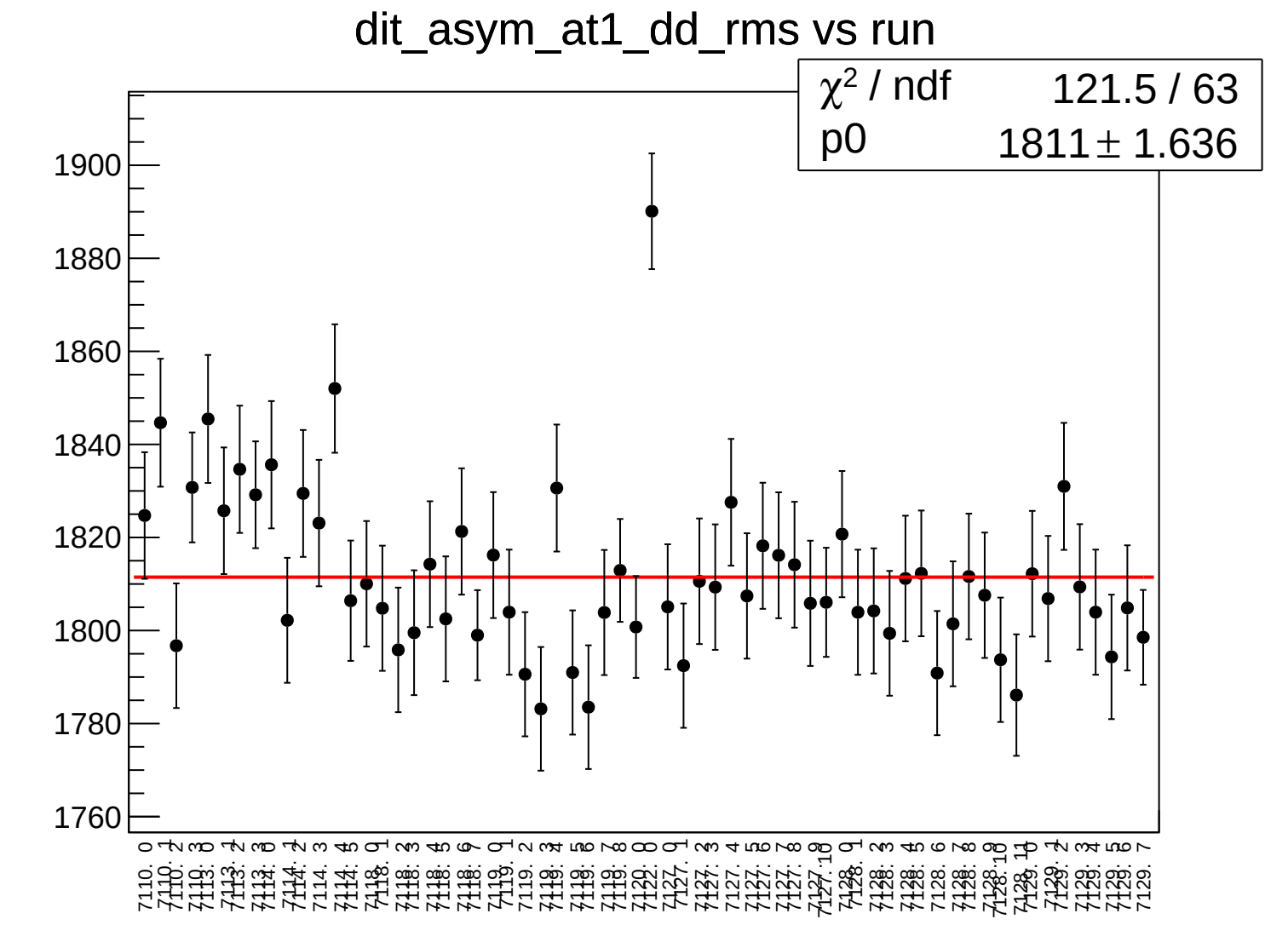

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.15 / 63
p0 1152 ± 516.3
pull
Entries 64
Mean −648.8
Std Dev 0

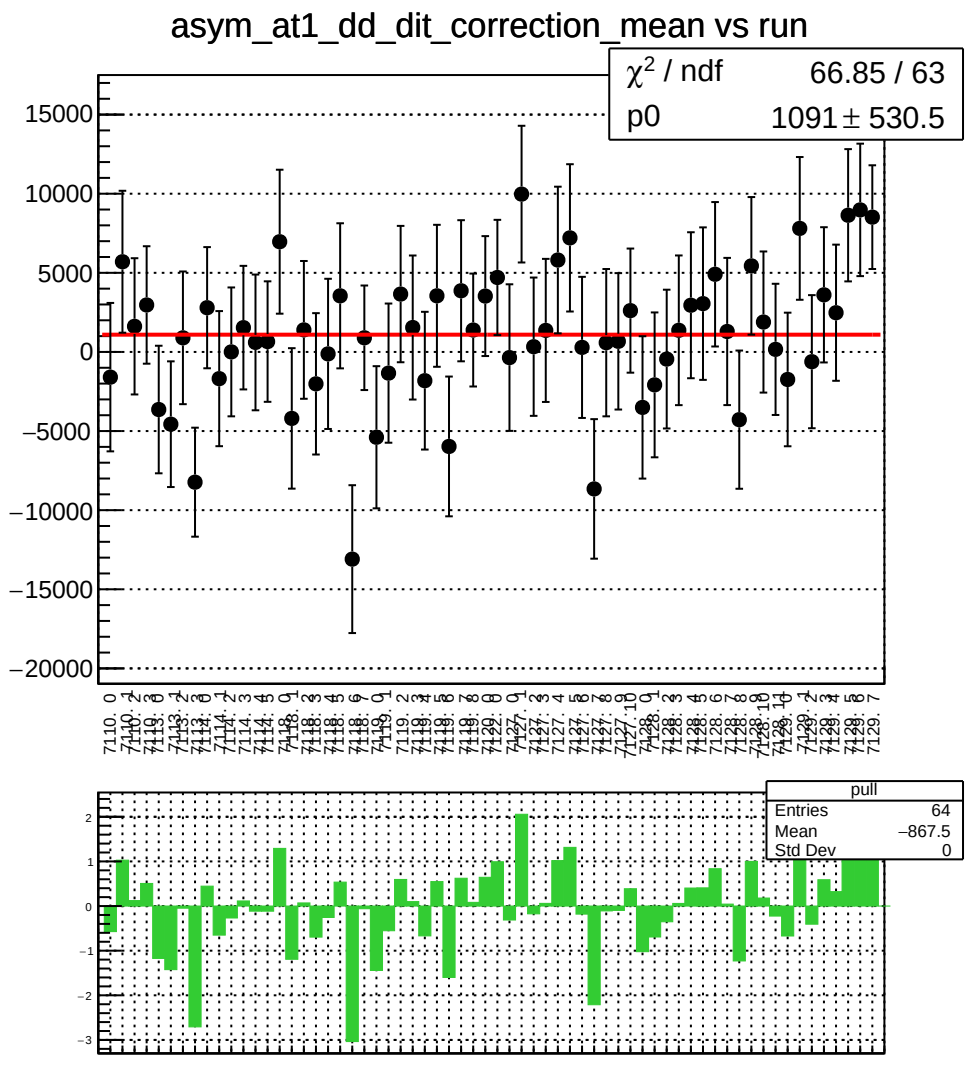

pull1D
Entries 64
Mean −0.008802
Std Dev 1.017

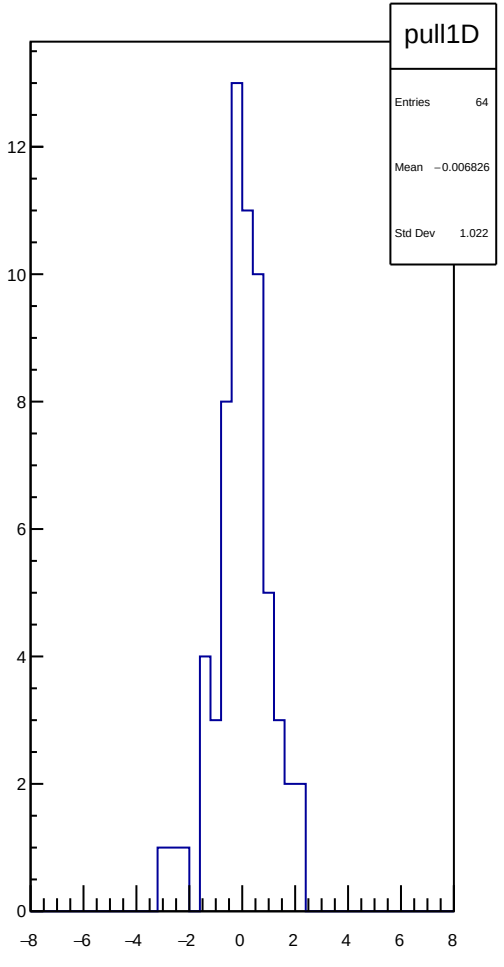

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6304 / 63
p0 403.2 ± 0.3651
460
440
420
400
380
360
340

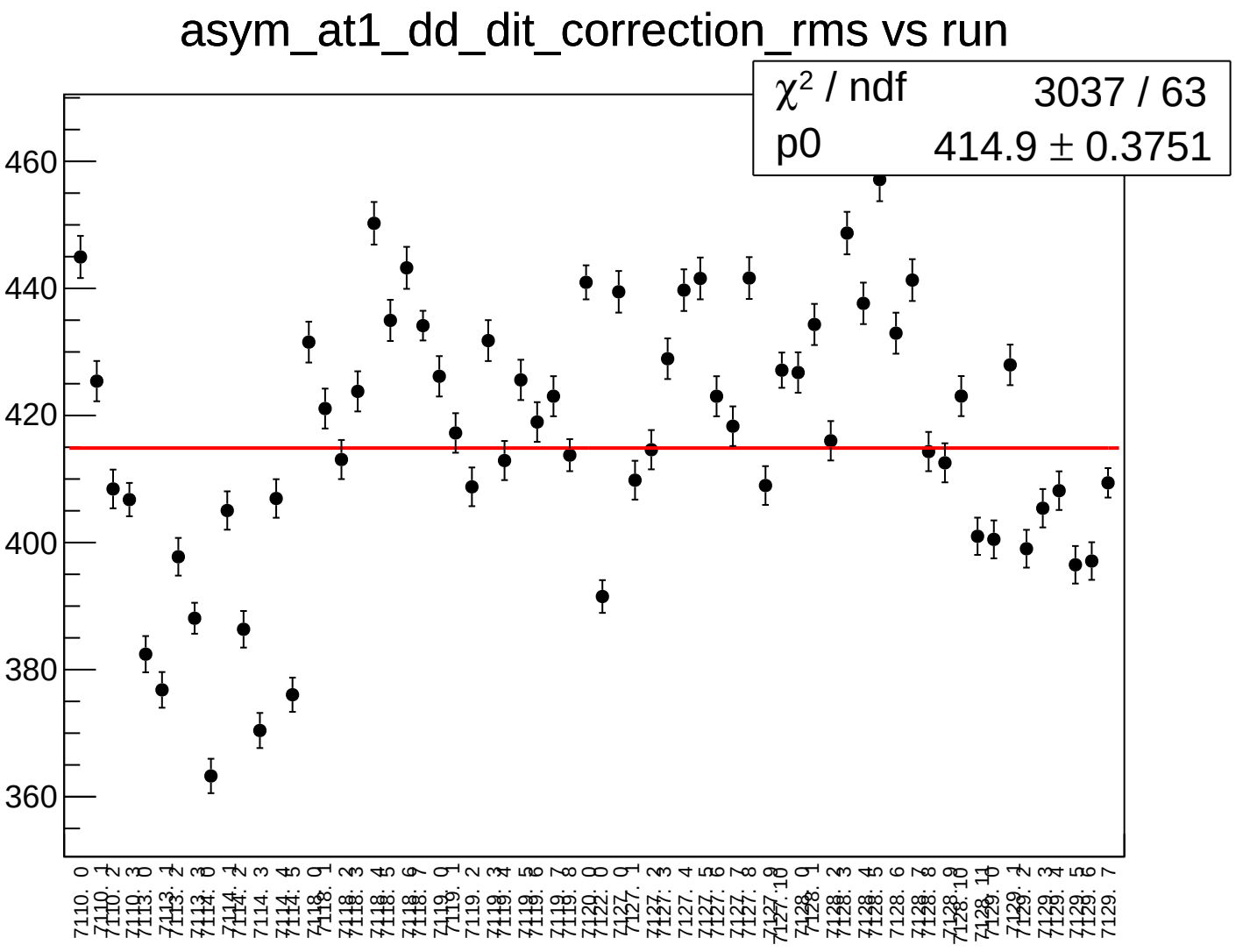

dit_asym_at1_dd_mean vs run
χ² / ndf 78.88 / 63
p0 −1247 ± 2314
pull
Entries 64
Mean 358.4
Std Dev 0

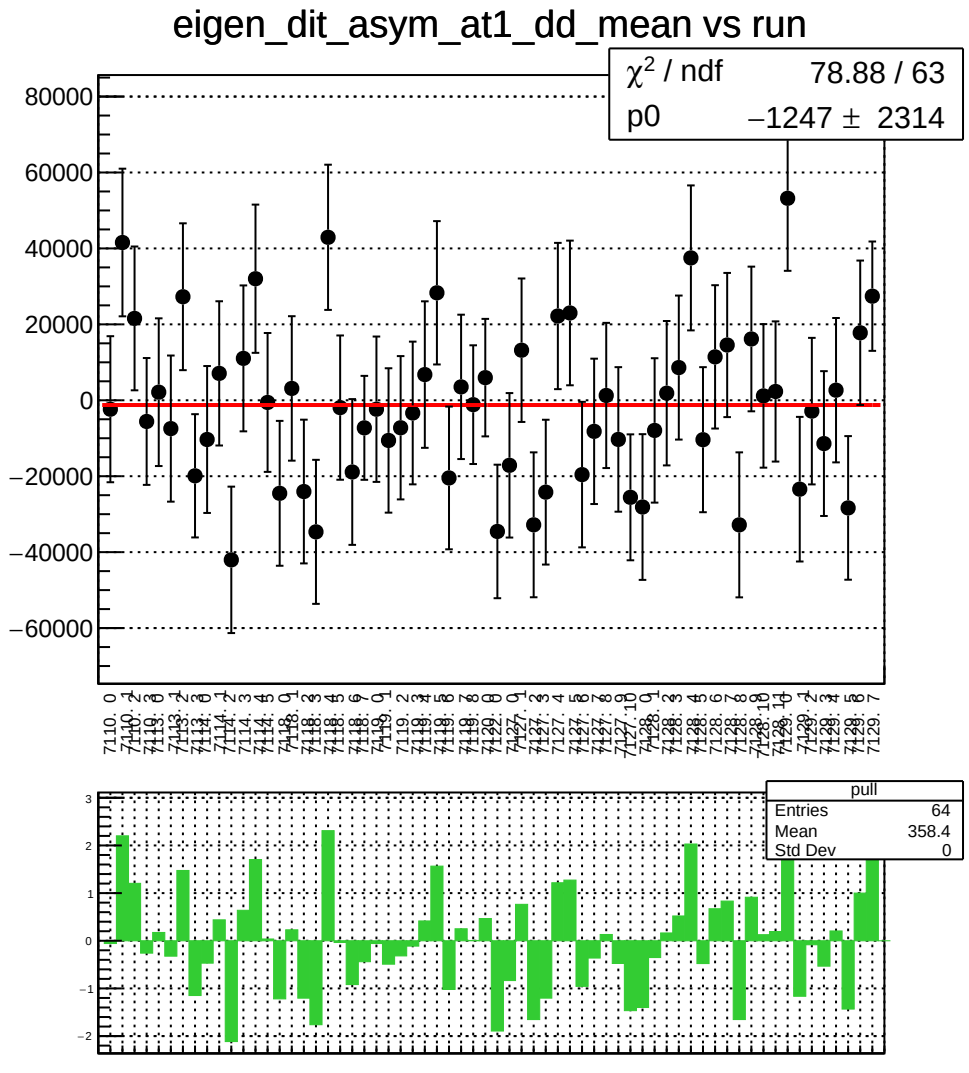

pull1D
Entries 64
Mean 0.001706
Std Dev 1.11

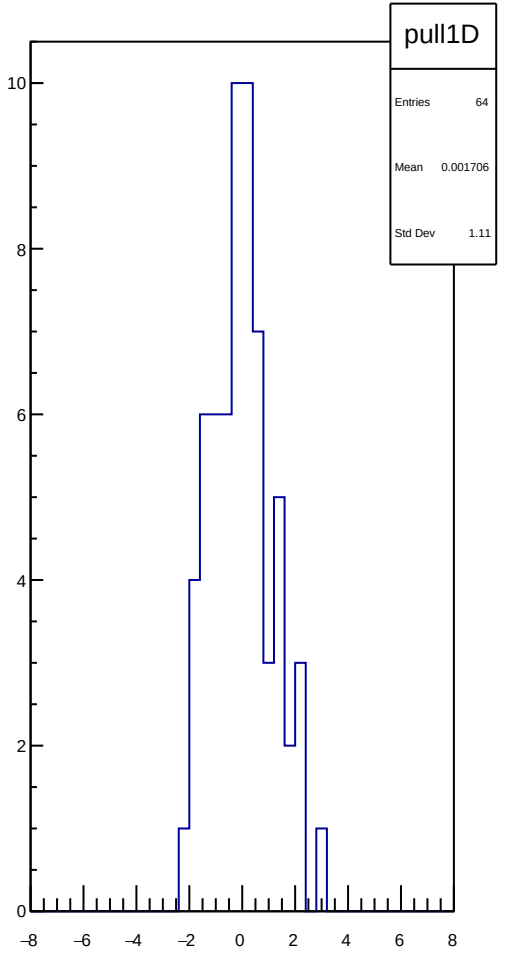

dit_asym_at1_dd_rms vs run
χ² / ndf 121.5 / 63
p0 1811 ± 1.636
1900
1880
1860
1840
1820
1800
1780
1760

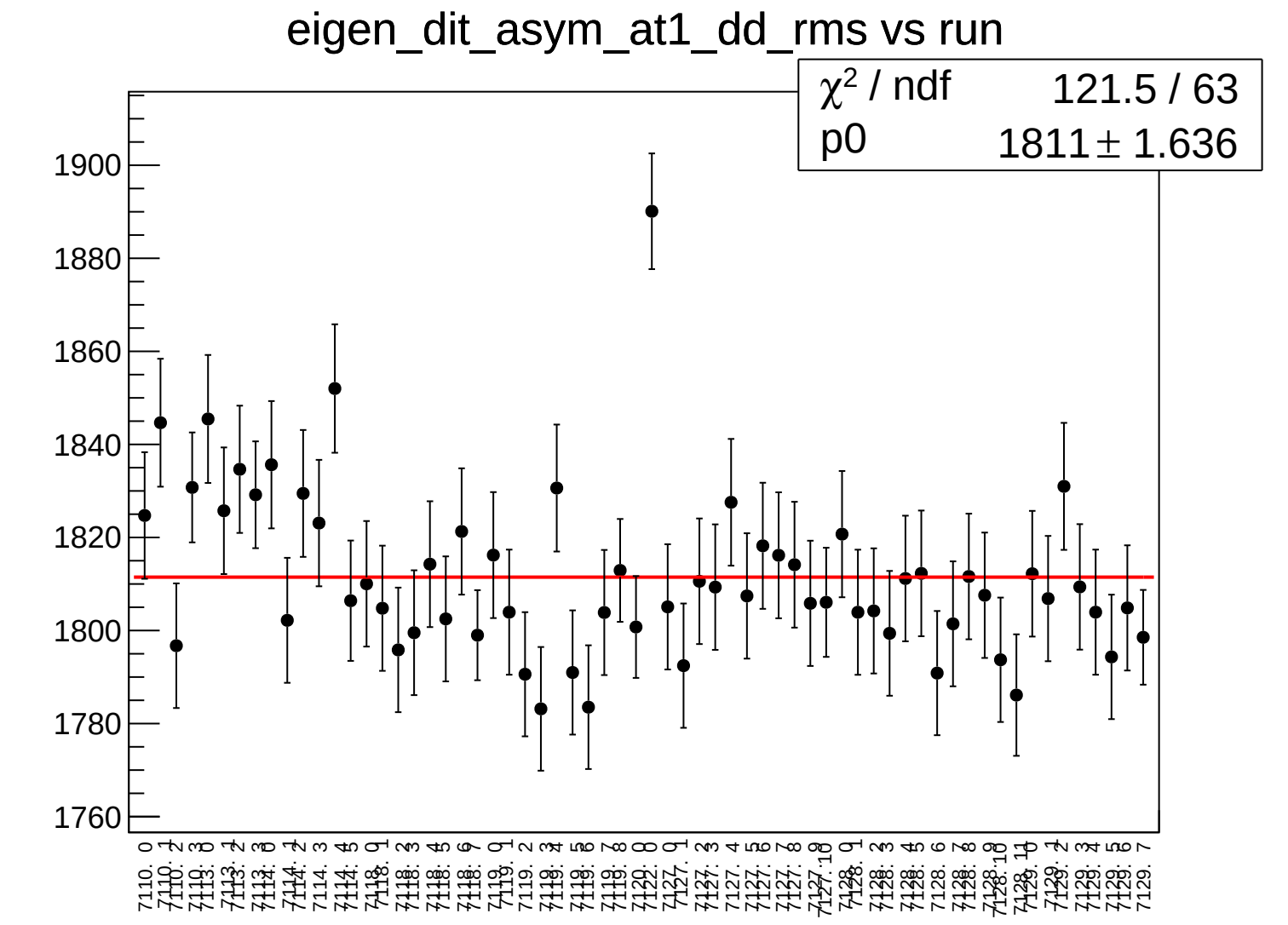

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 66.85 / 63
p0 1091 ± 530.5
pull
Entries 64
Mean −867.5
Std Dev 0

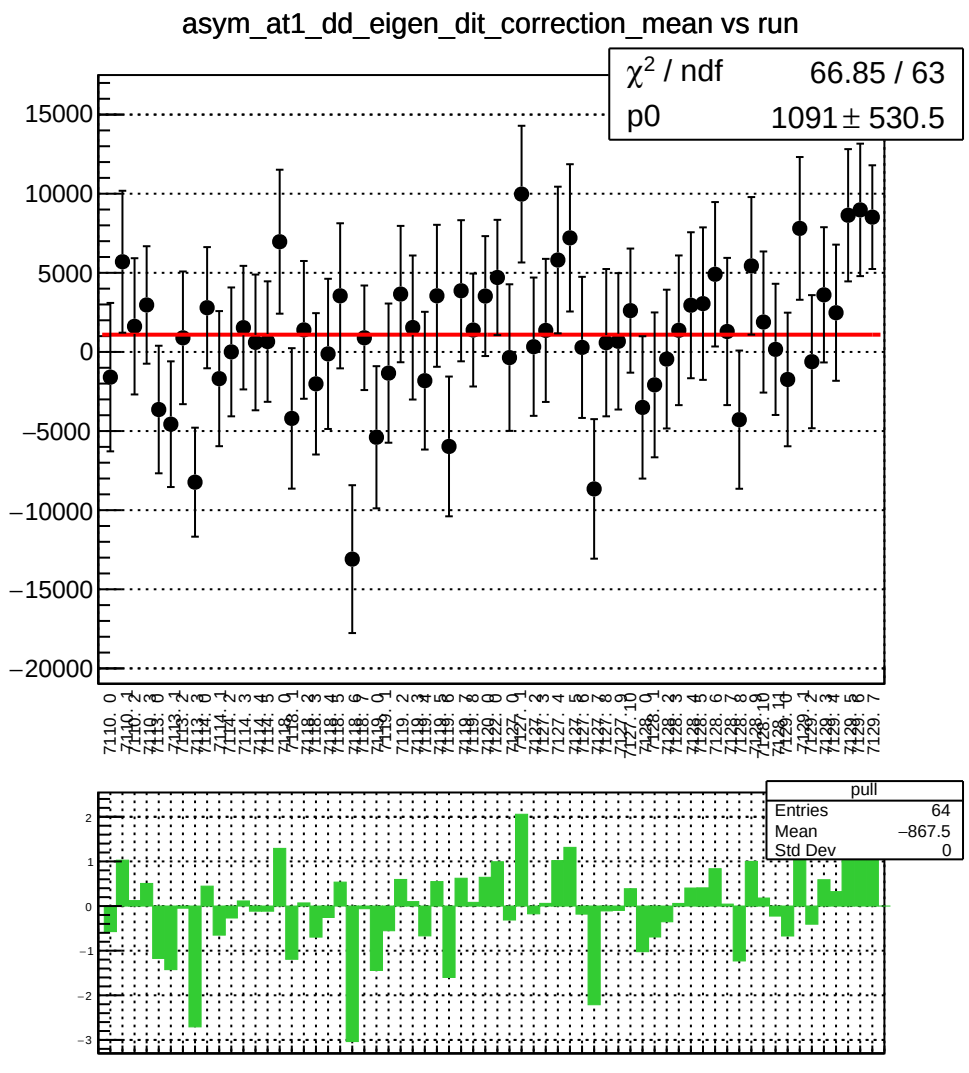

pull1D
Entries 64
Mean −0.006826
Std Dev 1.022

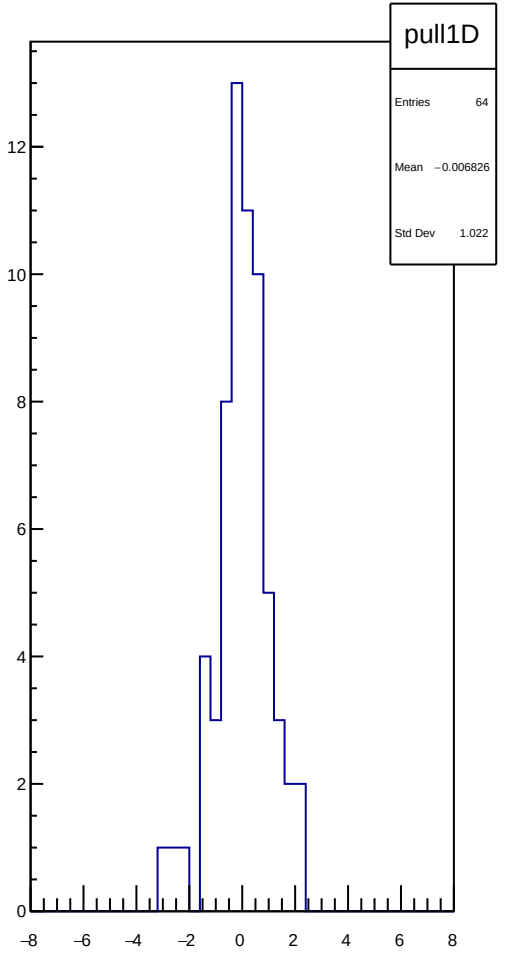

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 3037 / 63
p0 414.9 ± 0.3751
460
440
420
400
380
360

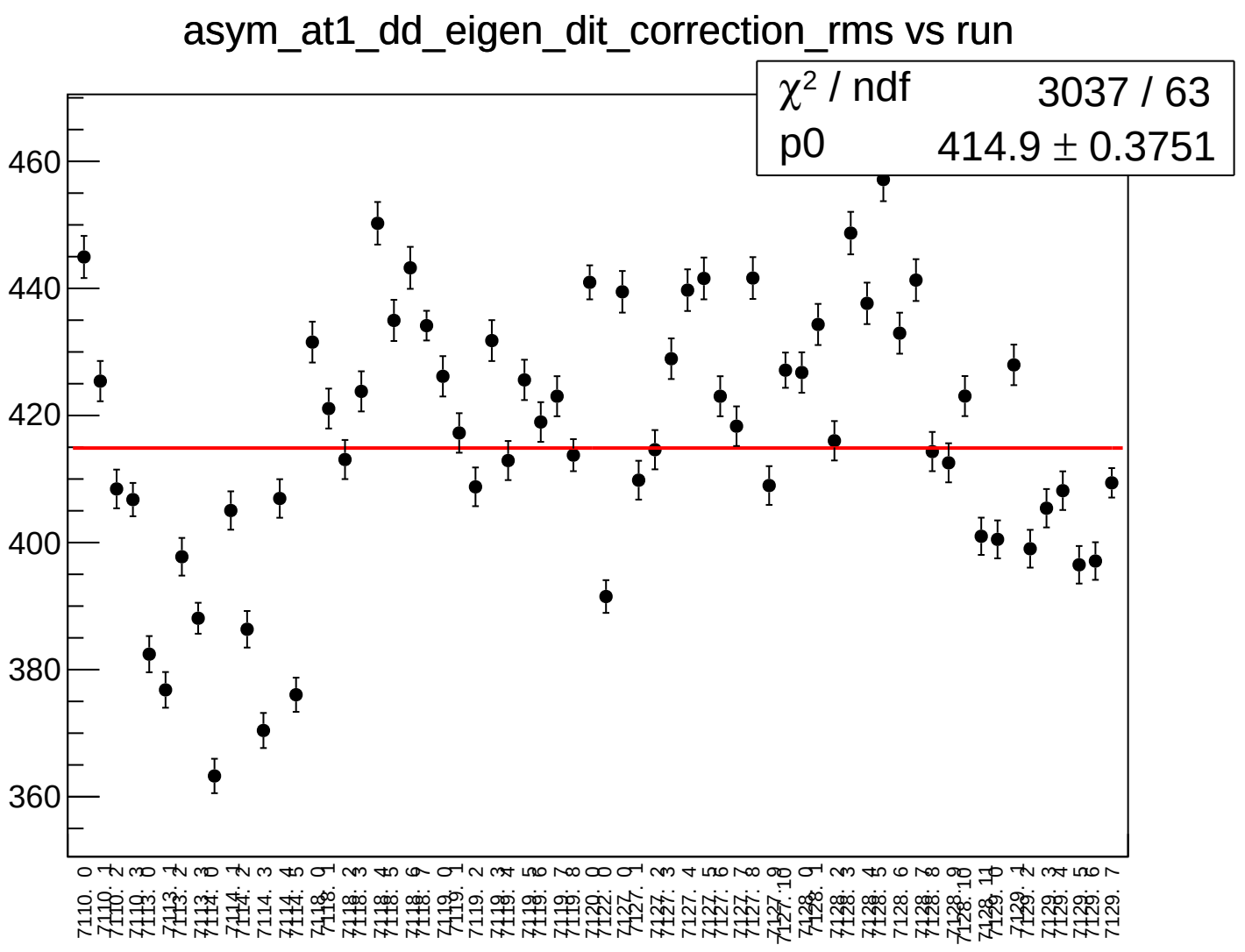

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 78.88 / 63
p0 −1247 ± 2314
pull
Entries 64
Mean 358.4
Std Dev 0

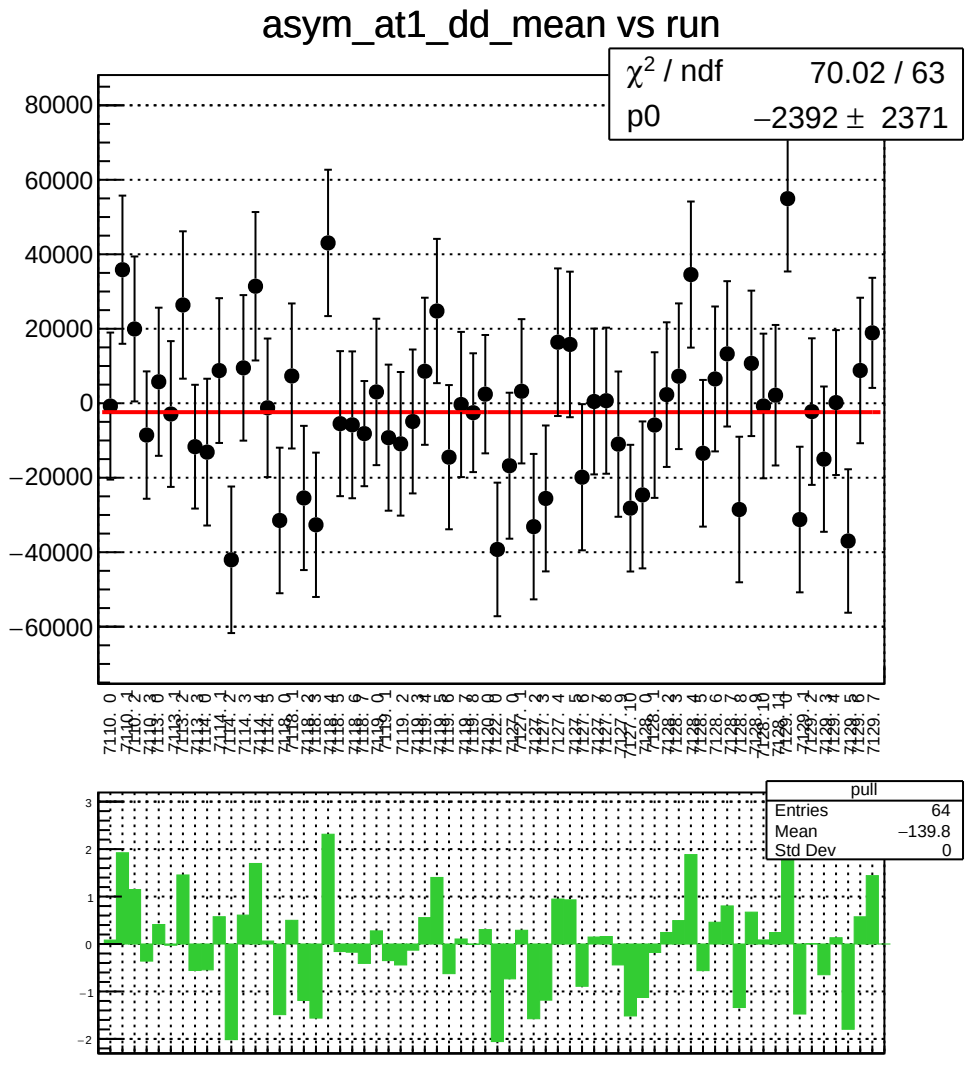

pull1D
Entries 64
Mean 0.001706
Std Dev 1.11

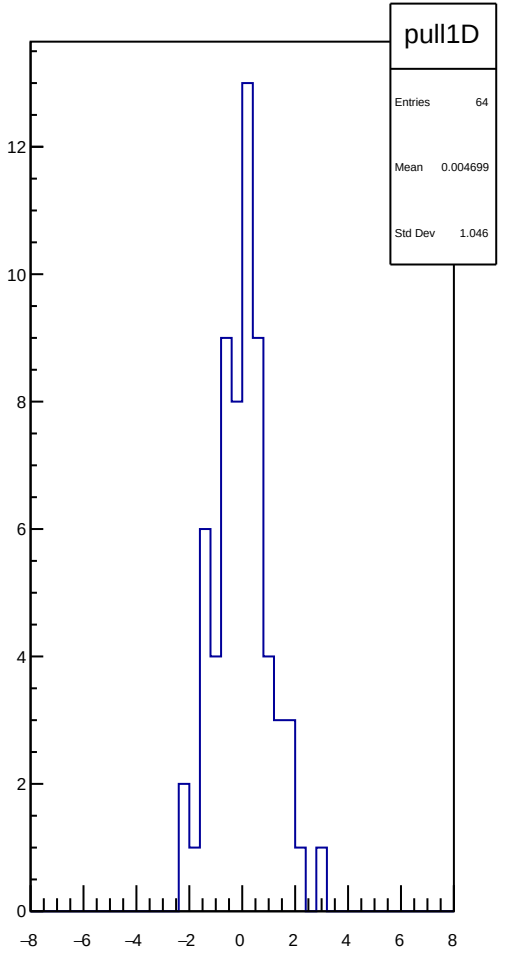

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 121.5 / 63
p0 1811 ± 1.636
1900
1880
1860
1840
1820
1800
1780
1760

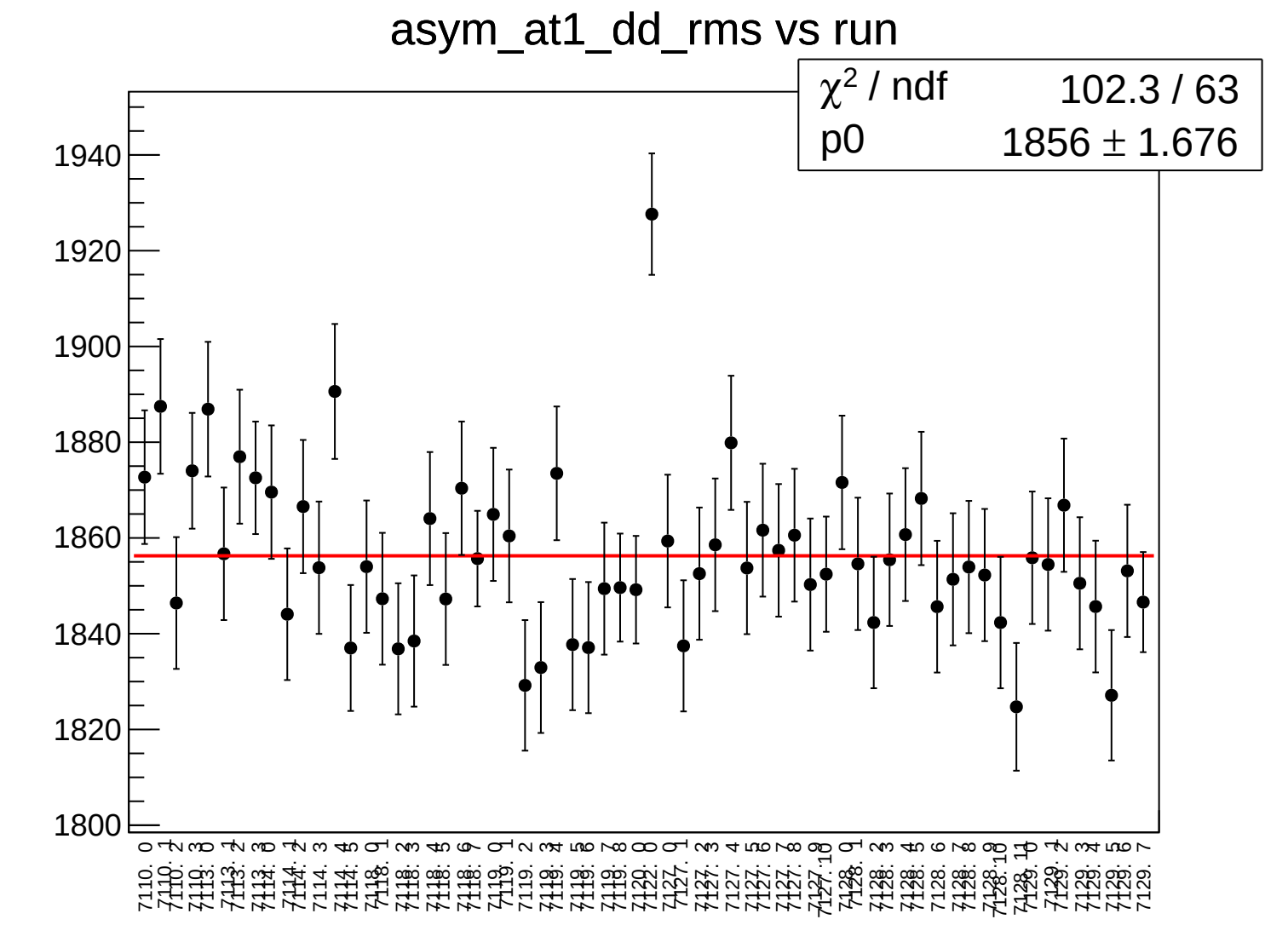

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.85 / 63
p0 1091 ± 530.5
pull
Entries 64
Mean −867.5
Std Dev 0

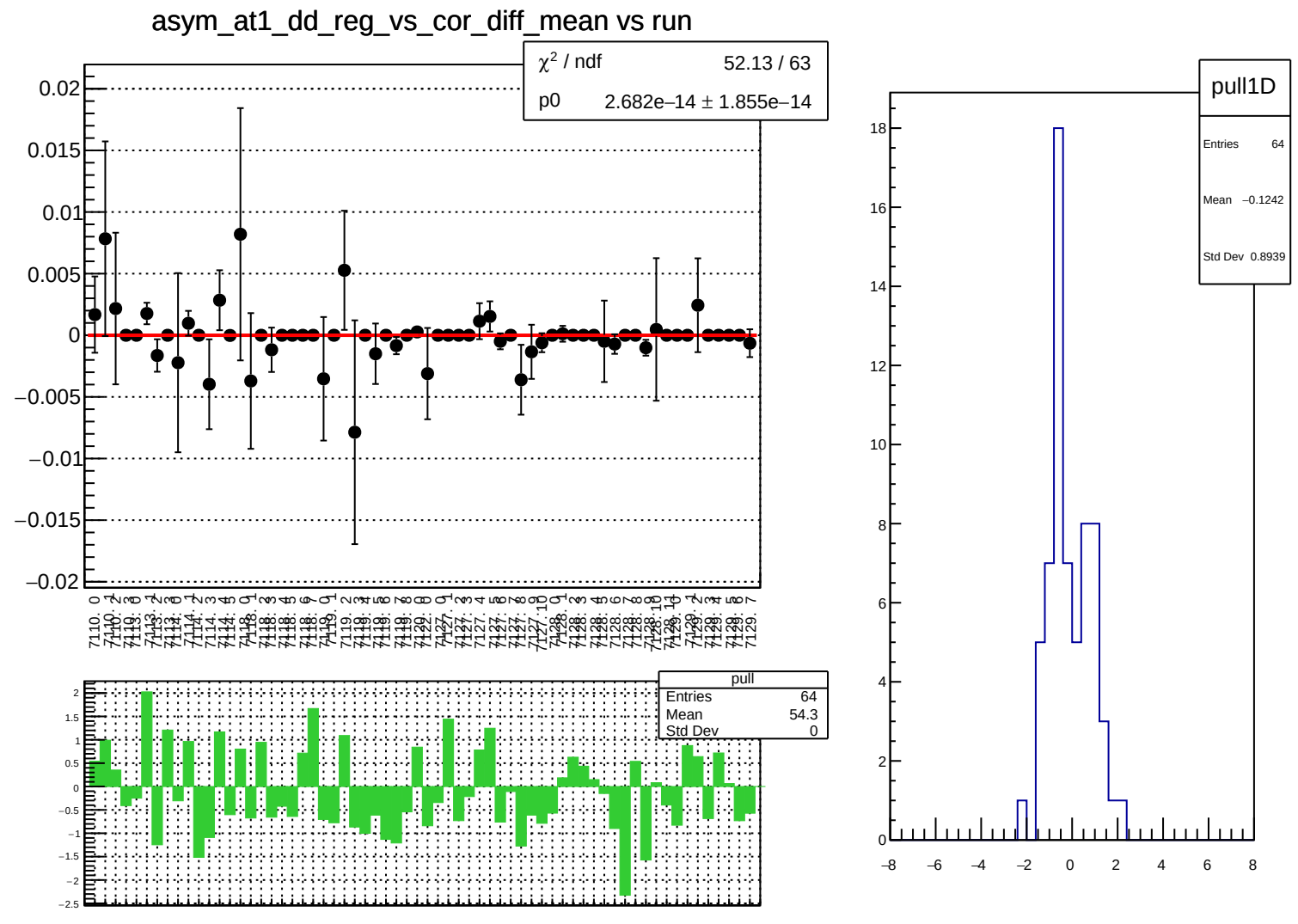

pull1D
Entries 64
Mean −0.006826
Std Dev 1.022

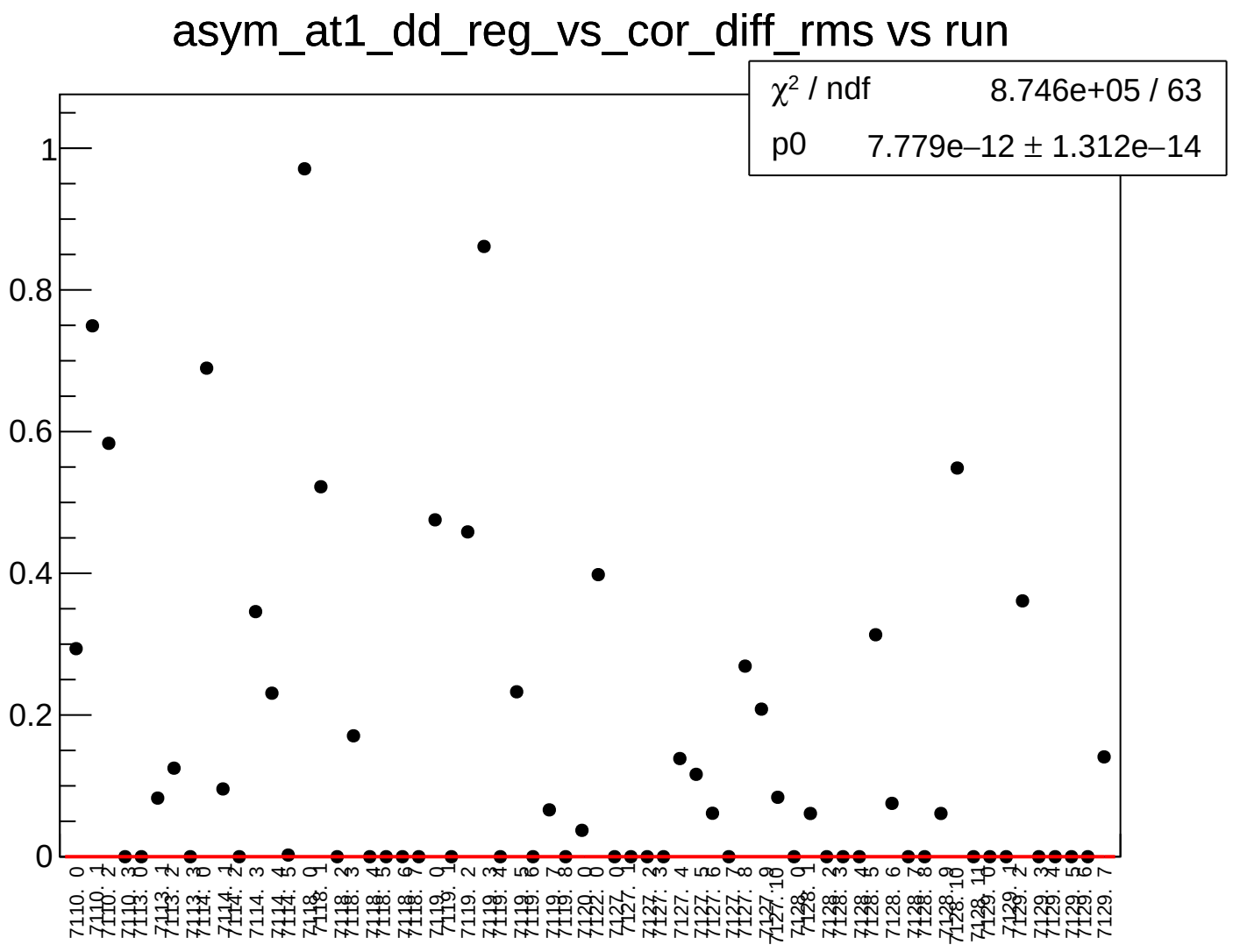

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 3037 / 63
p0 414.9 ± 0.3751
460
440
420
400
380
360

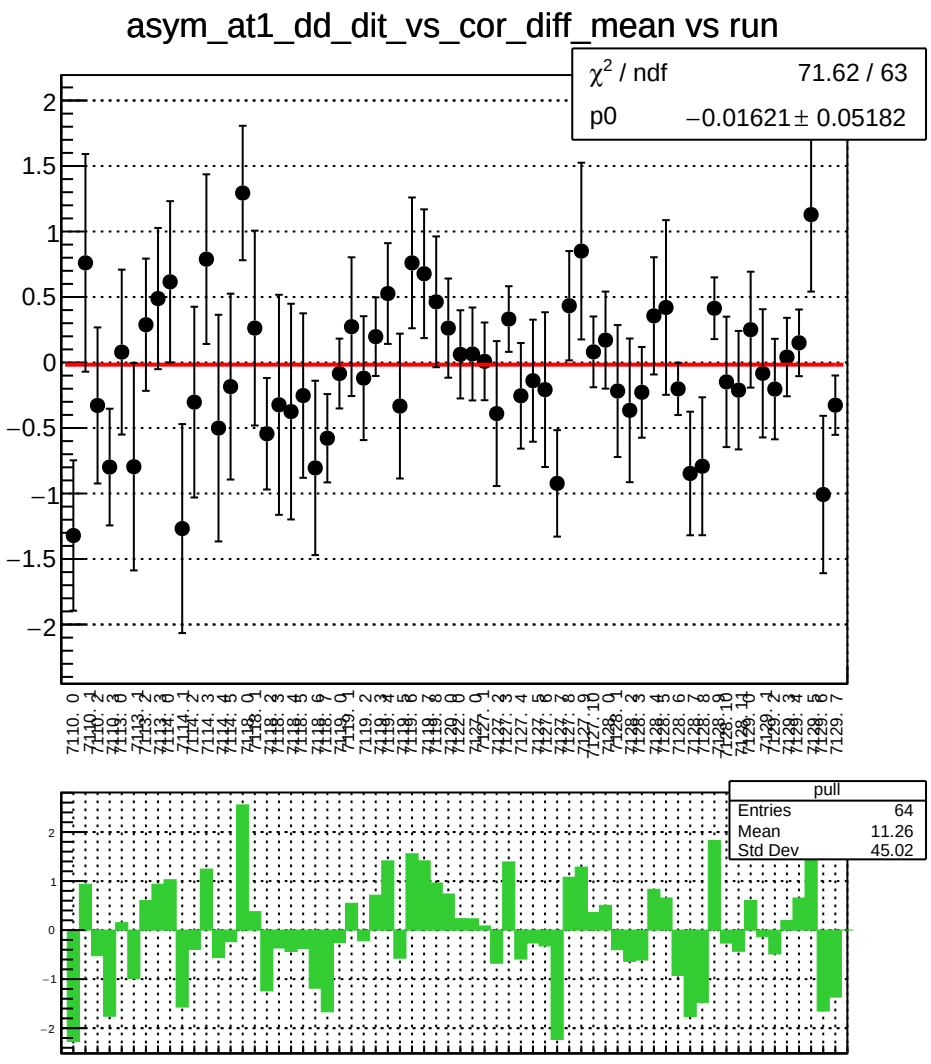

asym_at1_dd_mean vs run
χ² / ndf 70.02 / 63
p0 −2392 ± 2371
pull
Entries 64
Mean −139.8
Std Dev 0

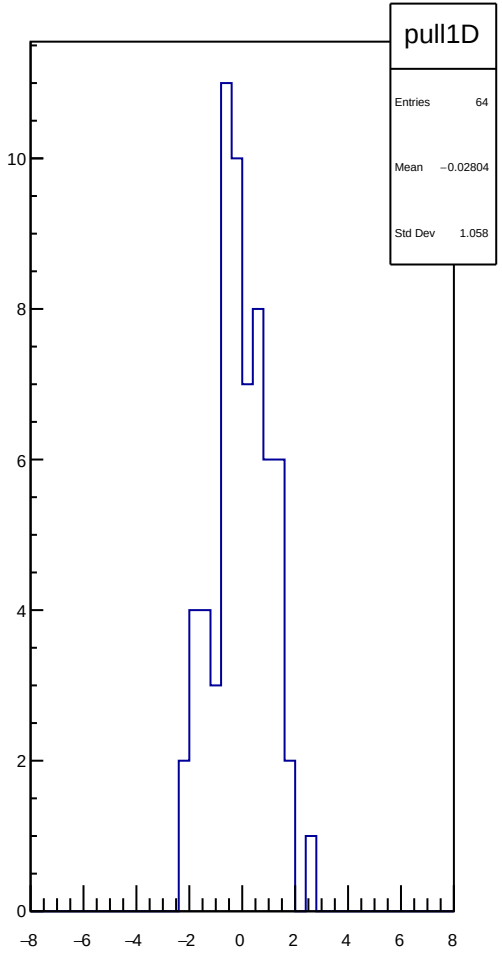

pull1D
Entries 64
Mean 0.004699
Std Dev 1.046

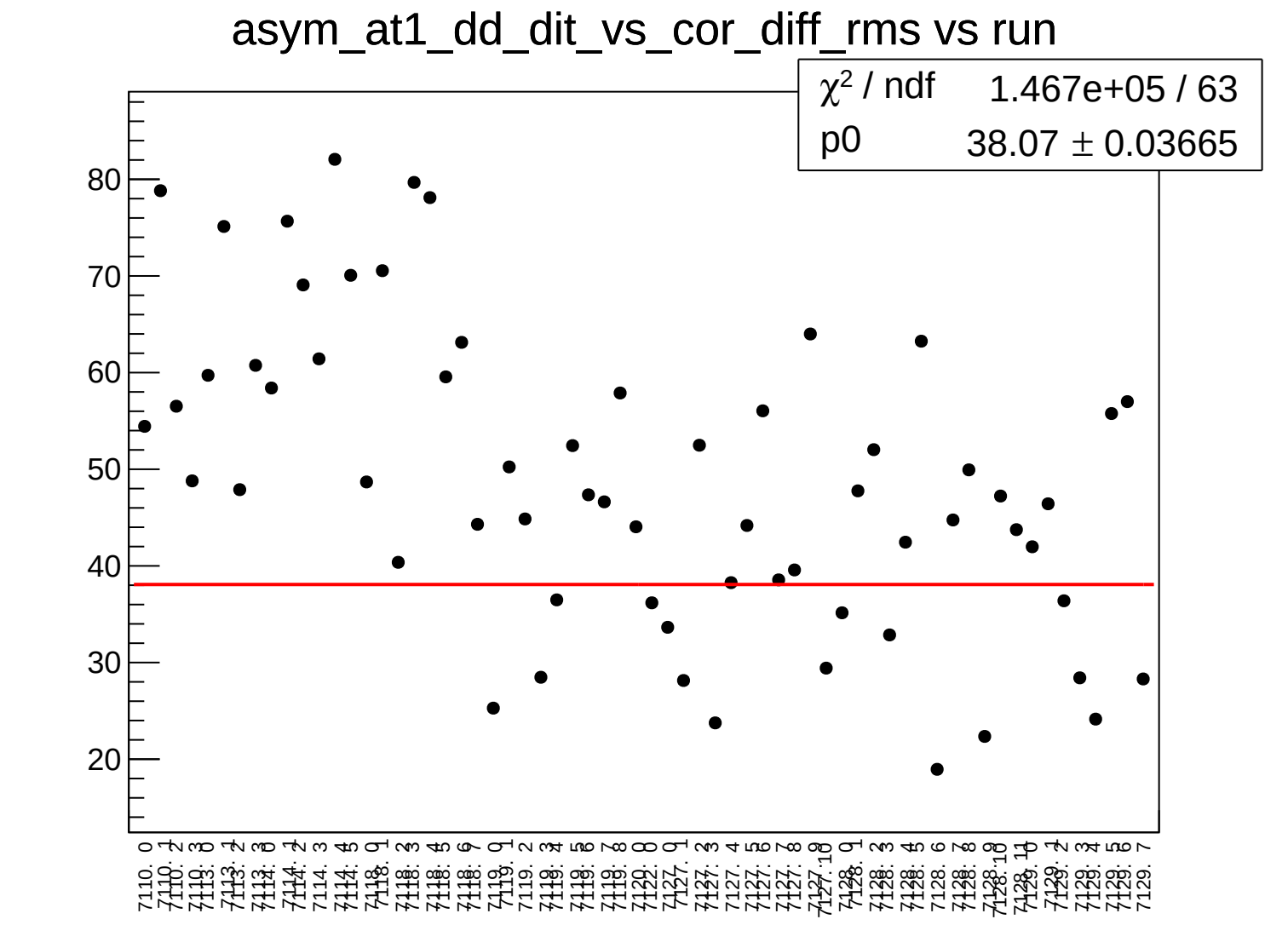

asym_at1_dd_rms vs run
χ² / ndf 102.3 / 63
p0 1856 ± 1.676
1940
1920
1900
1880
1860
1840
1820
1800

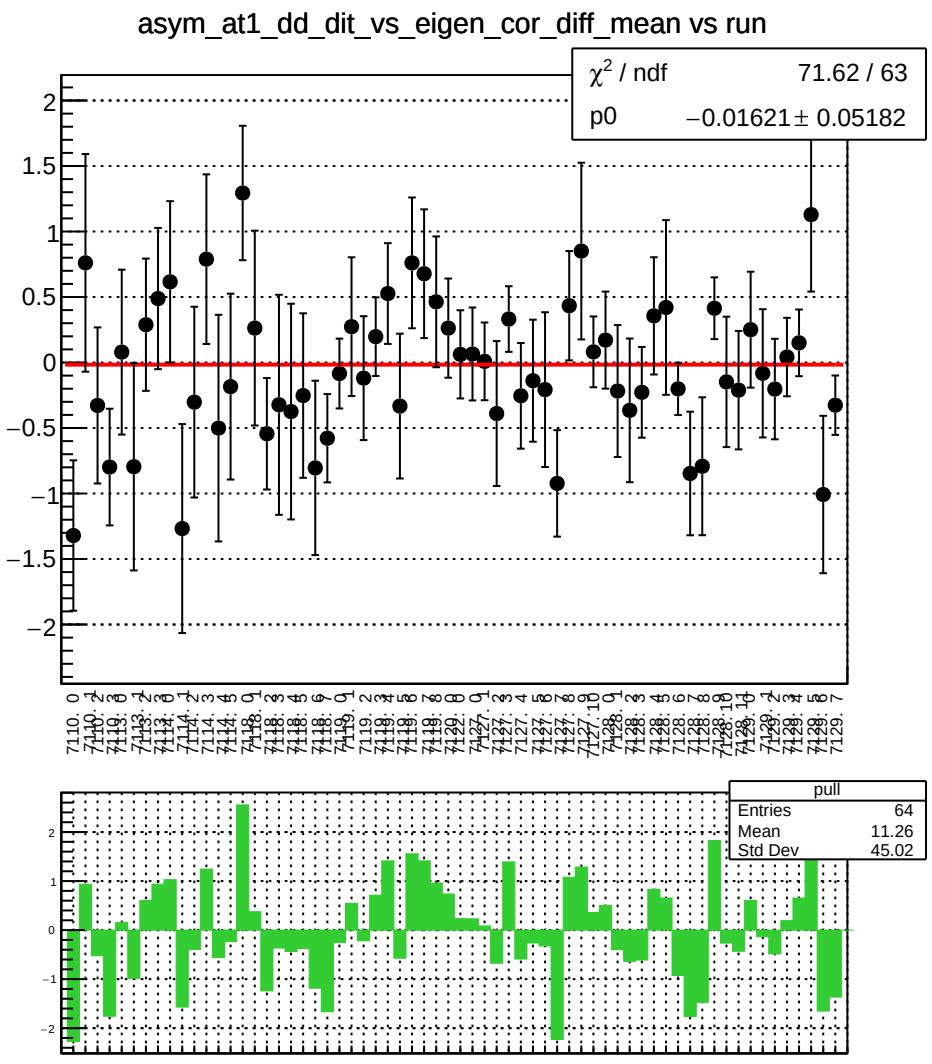

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.13 / 63
p0 2.682e−14 ± 1.855e−14
pull
Entries 64
Mean 54.3
Std Dev 0
pull1D
Entries 64
Mean −0.1242
Std Dev 0.8939

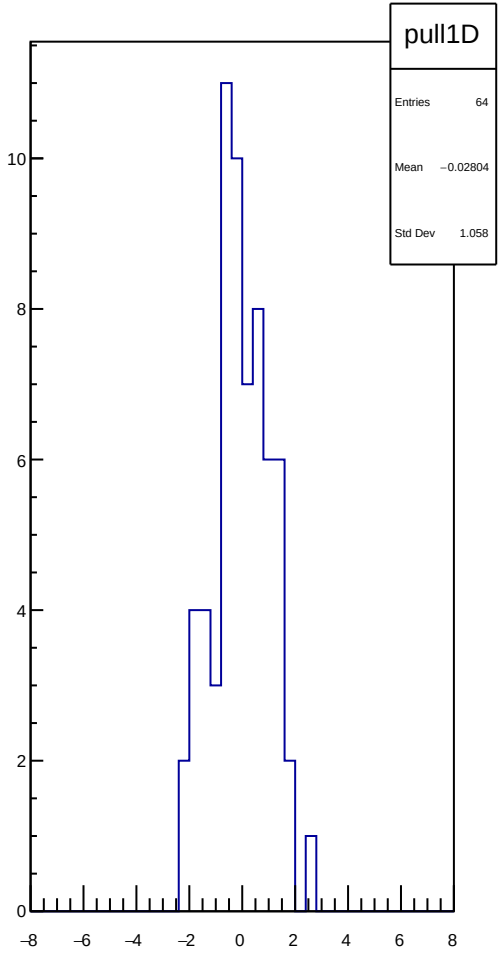

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.746e+05 / 63
p0 7.779e−12 ± 1.312e−14
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

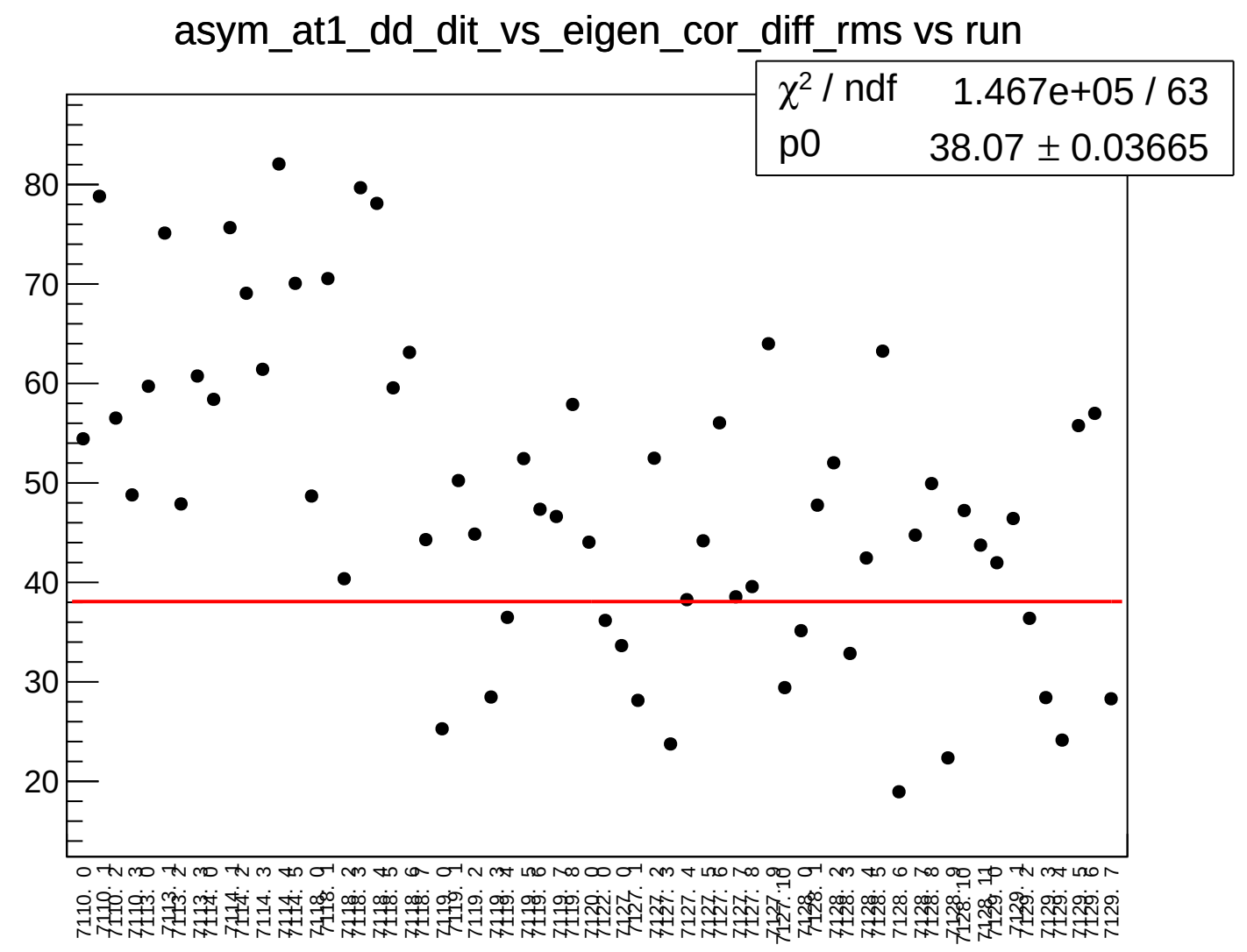

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.62 / 63
p0 −0.01621 ± 0.05182
pull
Entries 64
Mean 11.26
Std Dev 45.02

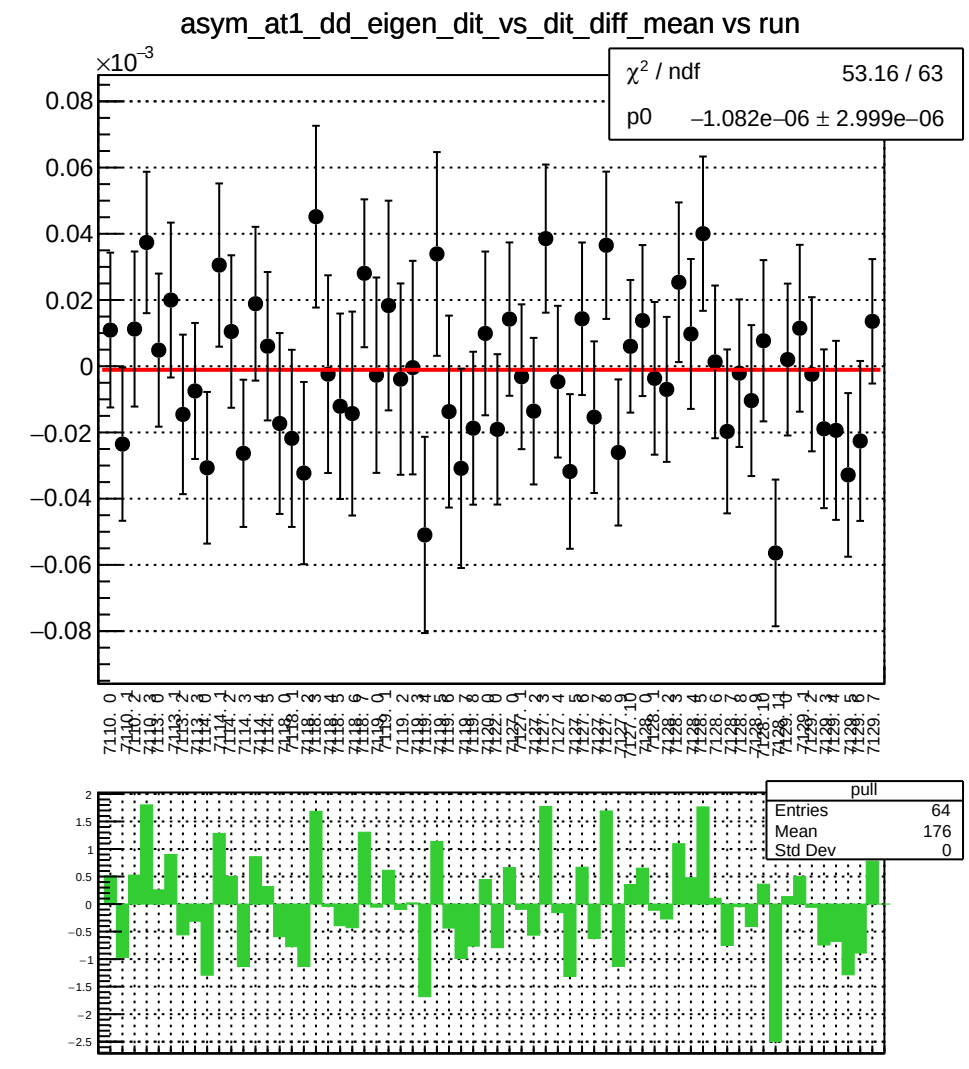

pull1D
Entries 64
Mean −0.02804
Std Dev 1.058

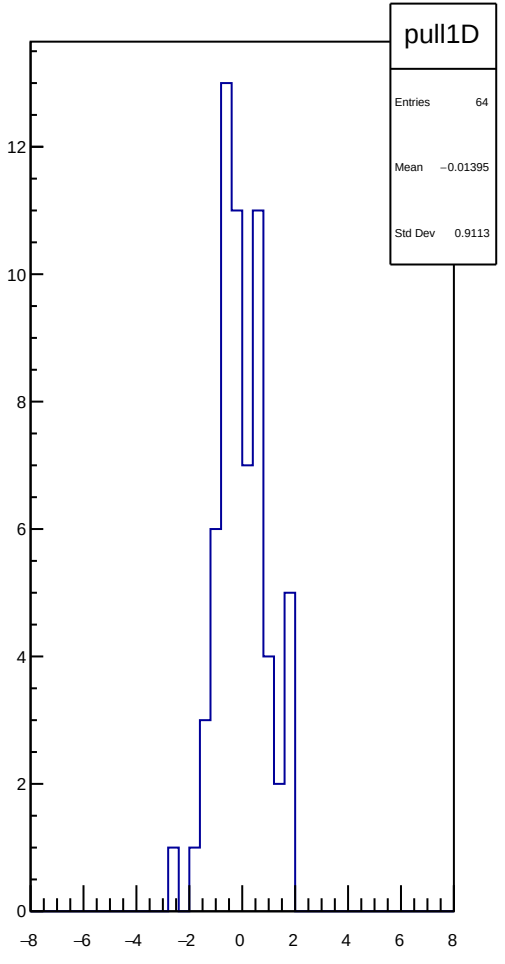

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.467e+05 / 63
p0 38.07 ± 0.03665
80
70
60
50
40
30
20

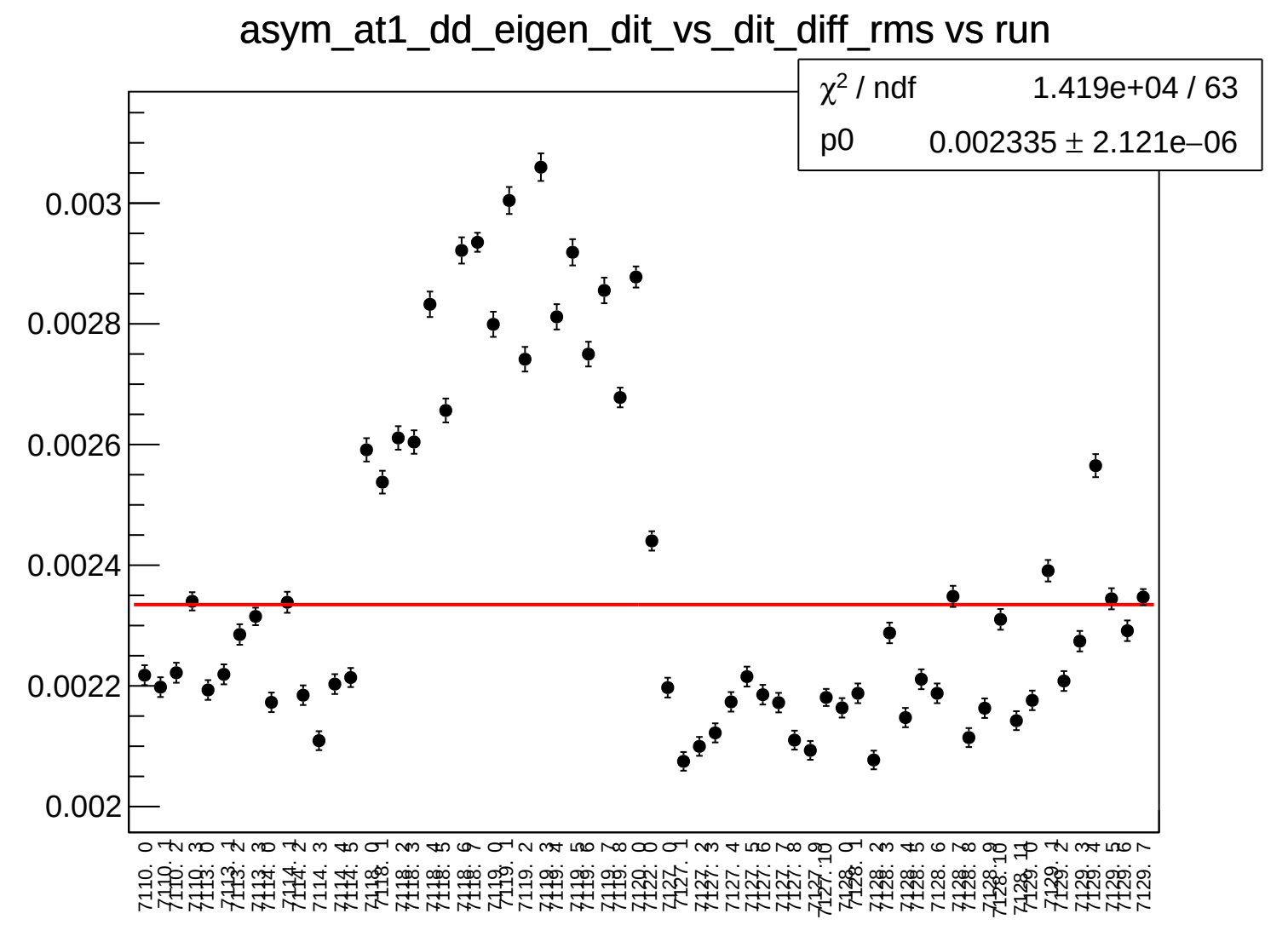

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ^2 / ndf 71.62 / 63
p0 −0.01621 ± 0.05182
pull
Entries 64
Mean 11.26
Std Dev 45.02

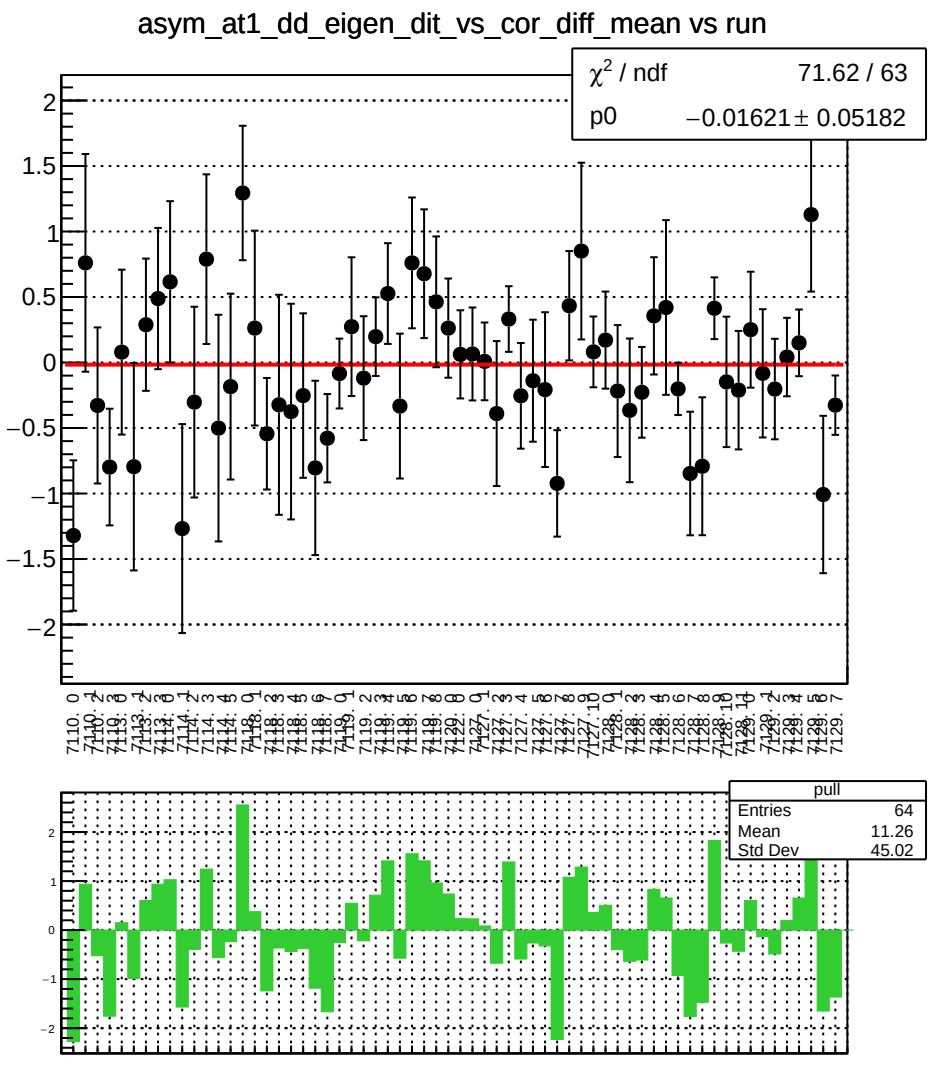

pull1D
Entries 64
Mean −0.02804
Std Dev 1.058

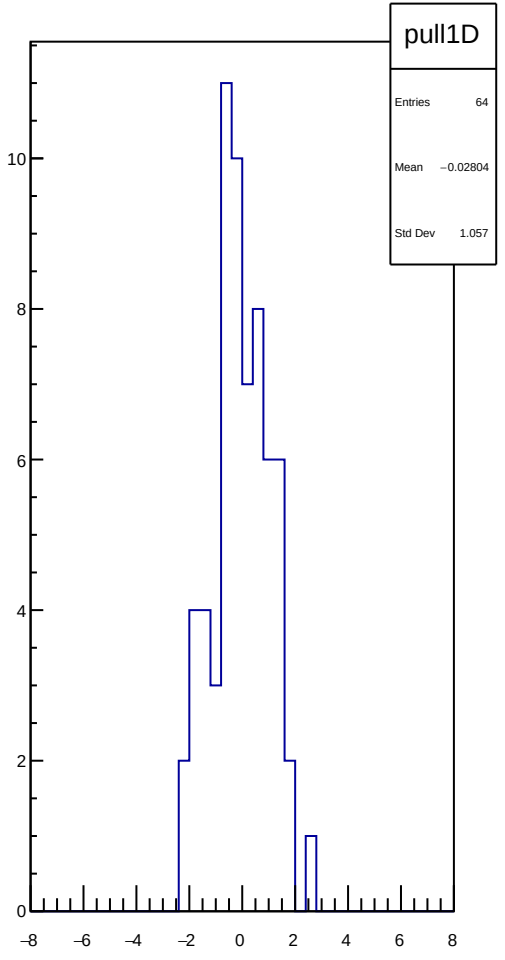

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.467e+05 / 63
p0 38.07 ± 0.03665
80
70
60
50
40
30
20

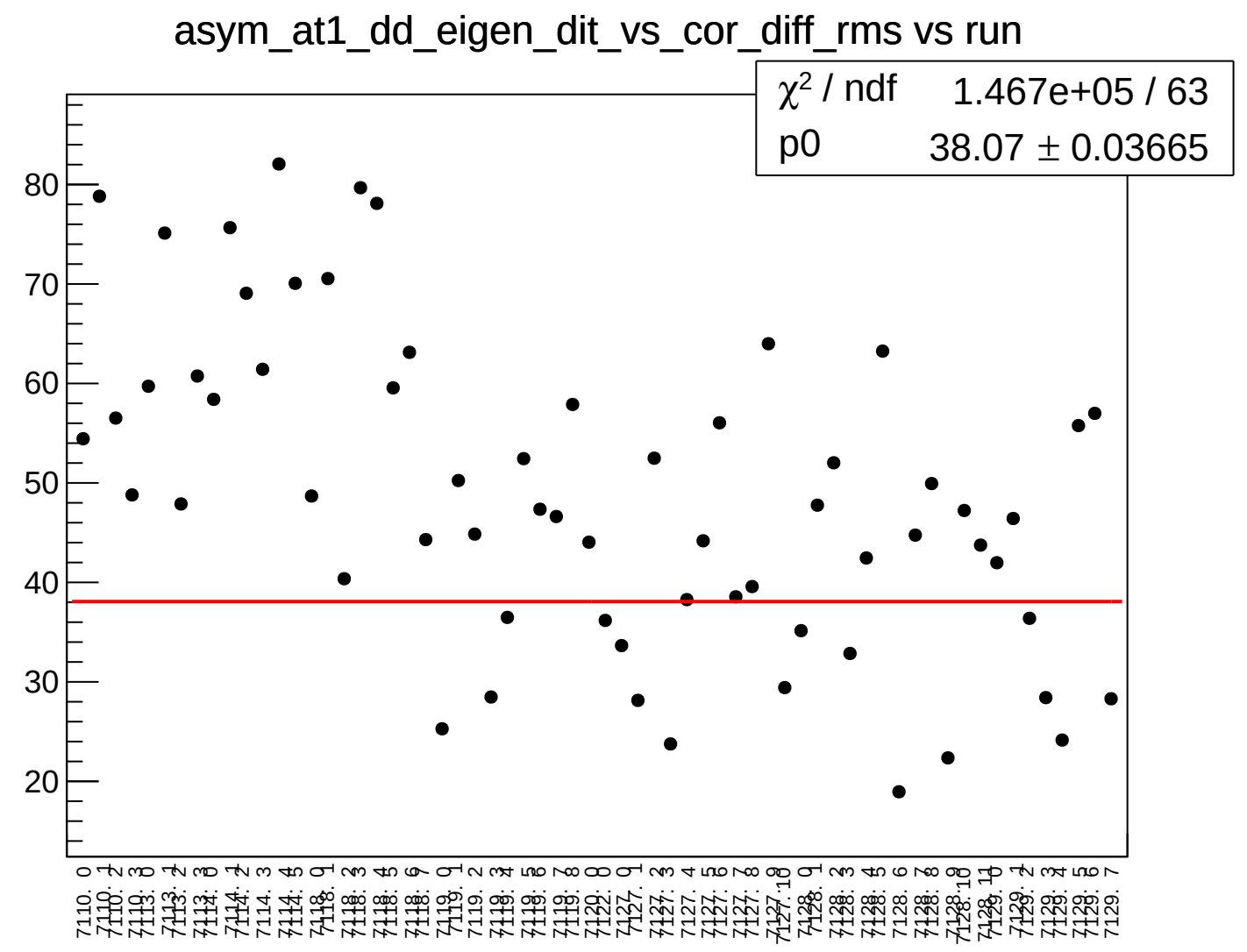

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.16 / 63
p0 −1.082e−06 ± 2.999e−06
pull
Entries 64
Mean 176
Std Dev 0

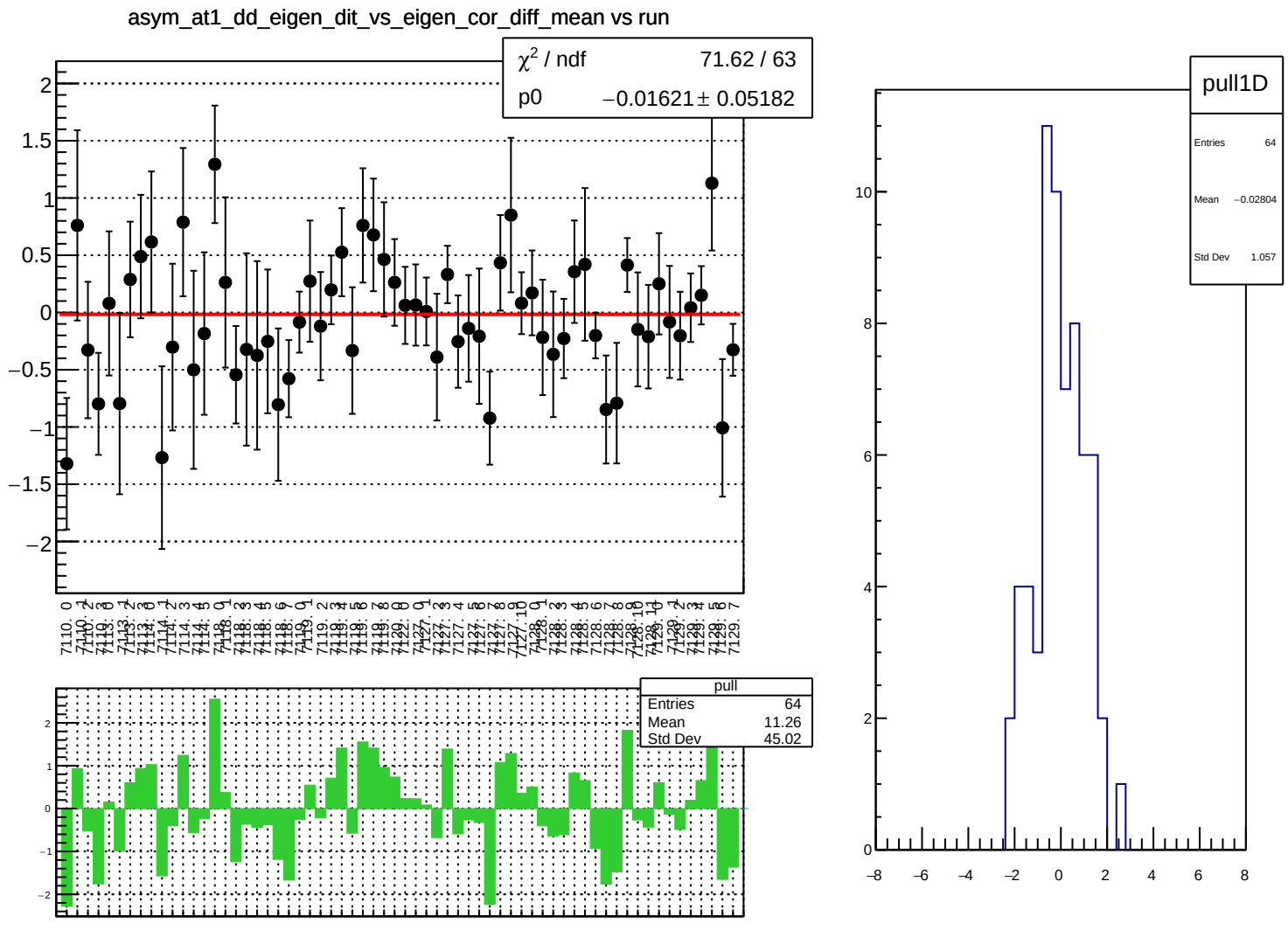

pull1D
Entries 64
Mean −0.01395
Std Dev 0.9113

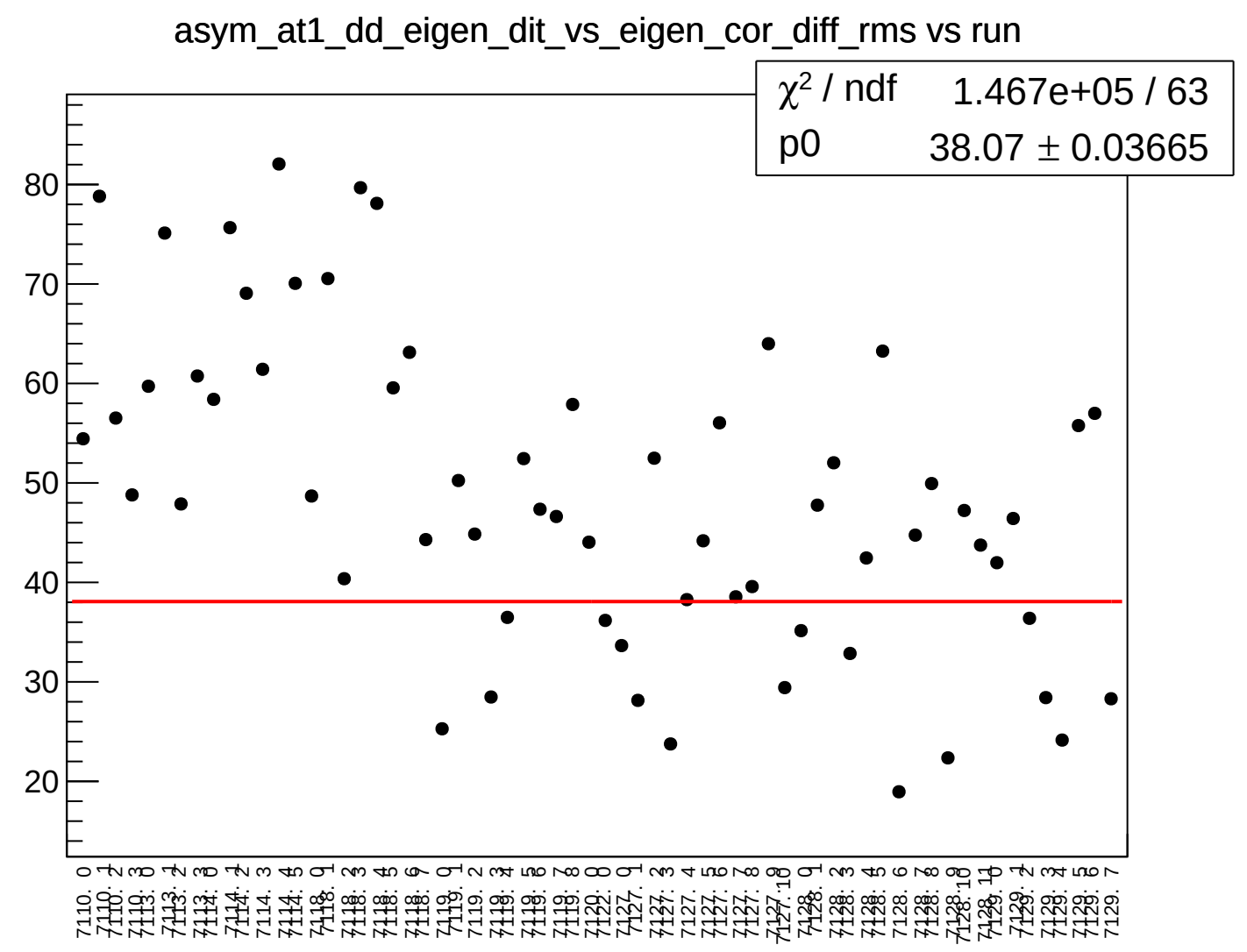

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.419e+04 / 63
p0 0.002335 ± 2.121e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002

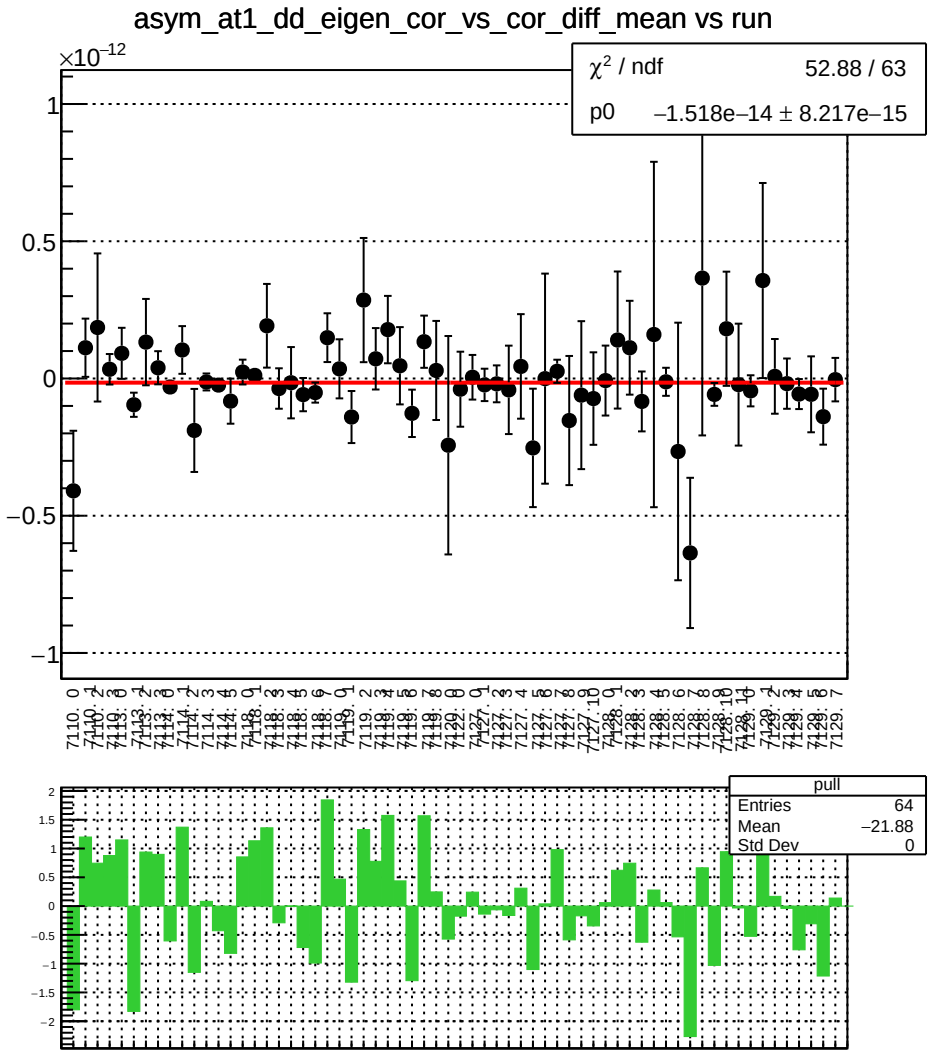

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.62 / 63
p0 −0.01621 ± 0.05182
pull
Entries 64
Mean 11.26
Std Dev 45.02

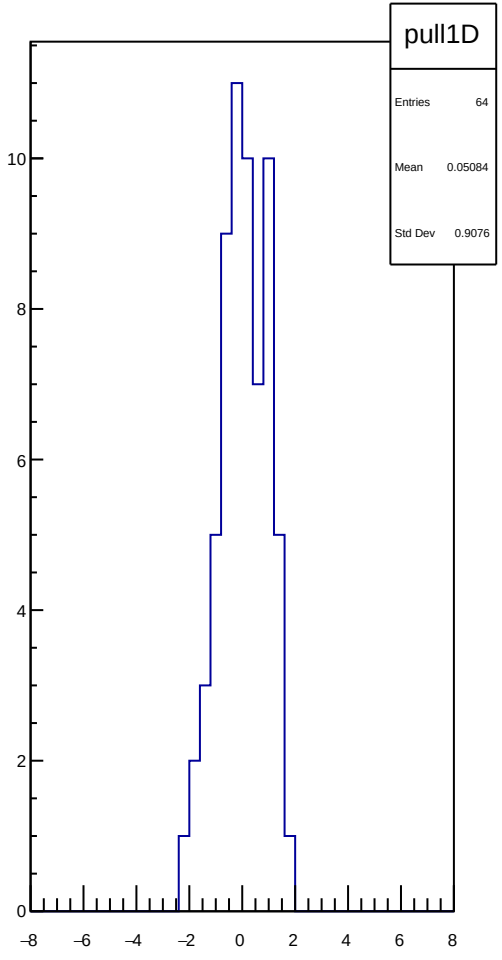

pull1D
Entries 64
Mean −0.02804
Std Dev 1.057

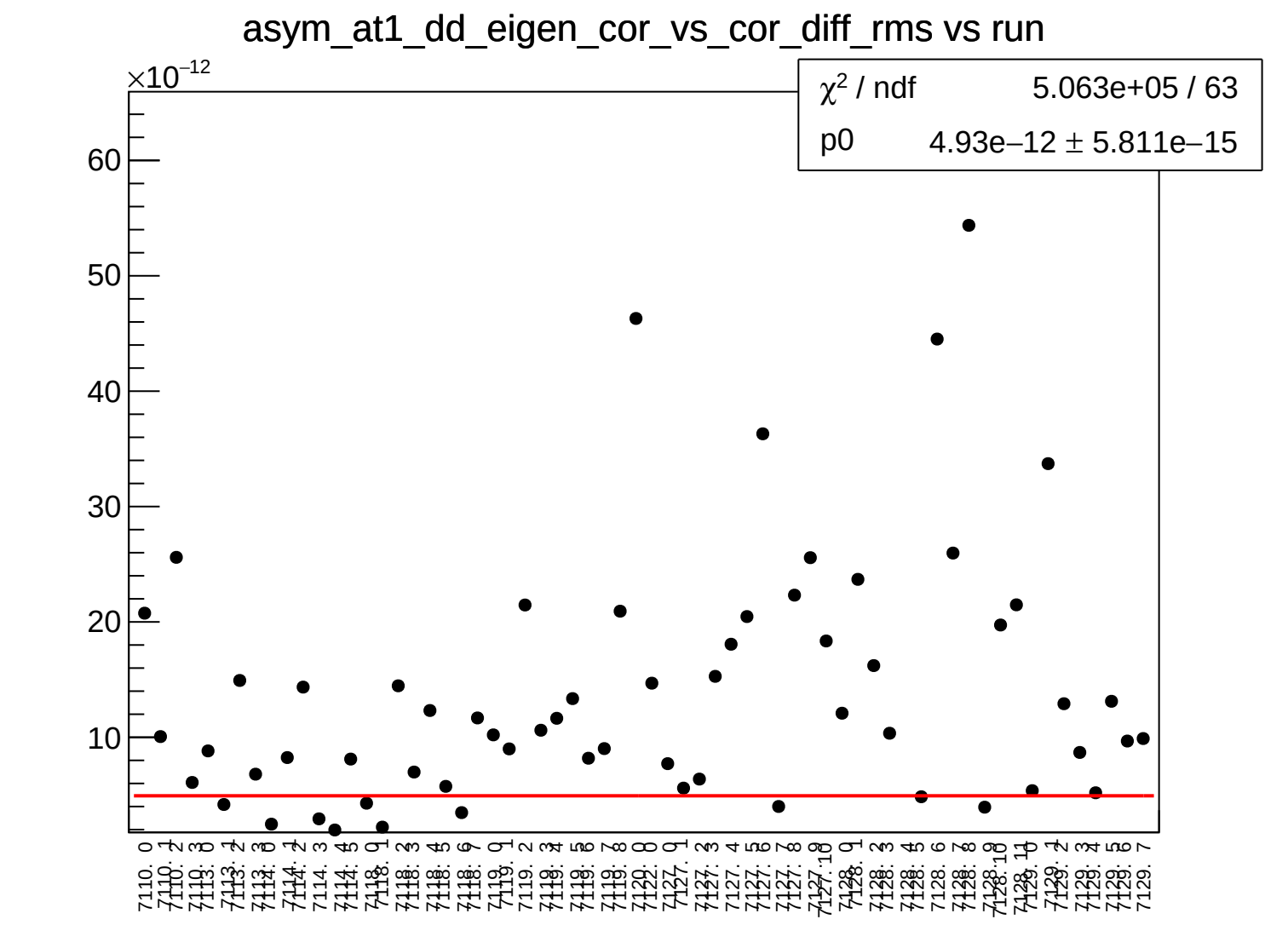

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.467e+05 / 63
p0 38.07 ± 0.03665
80
70
60
50
40
30
20

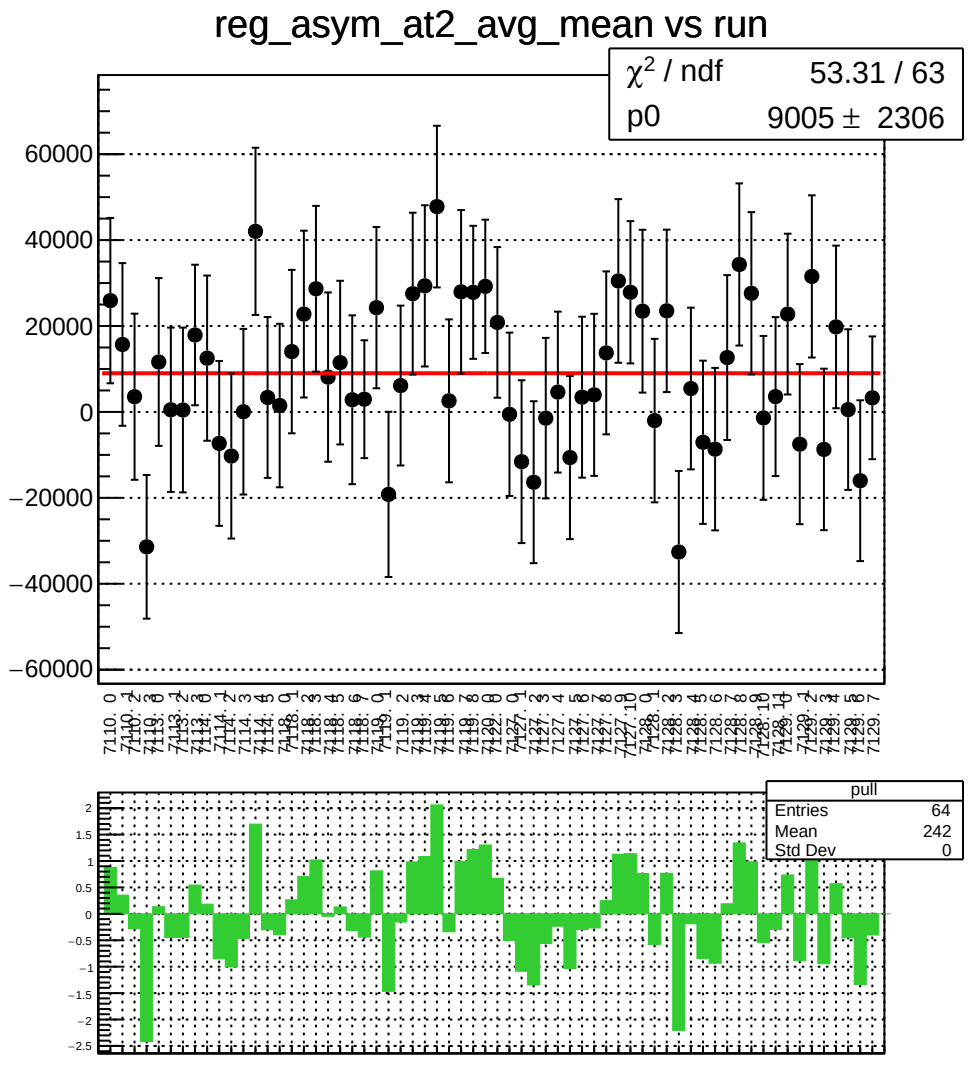

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.62 / 63
p0 −0.01621 ± 0.05182
pull
Entries 64
Mean 11.26
Std Dev 45.02
pull1D
Entries 64
Mean −0.02804
Std Dev 1.057

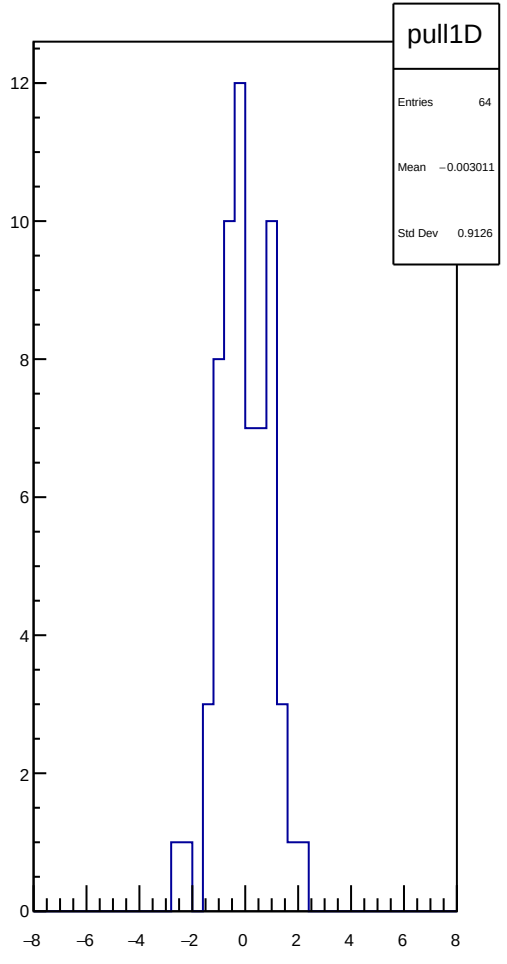

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.467e+05 / 63
p0 38.07 ± 0.03665
80
70
60
50
40
30
20

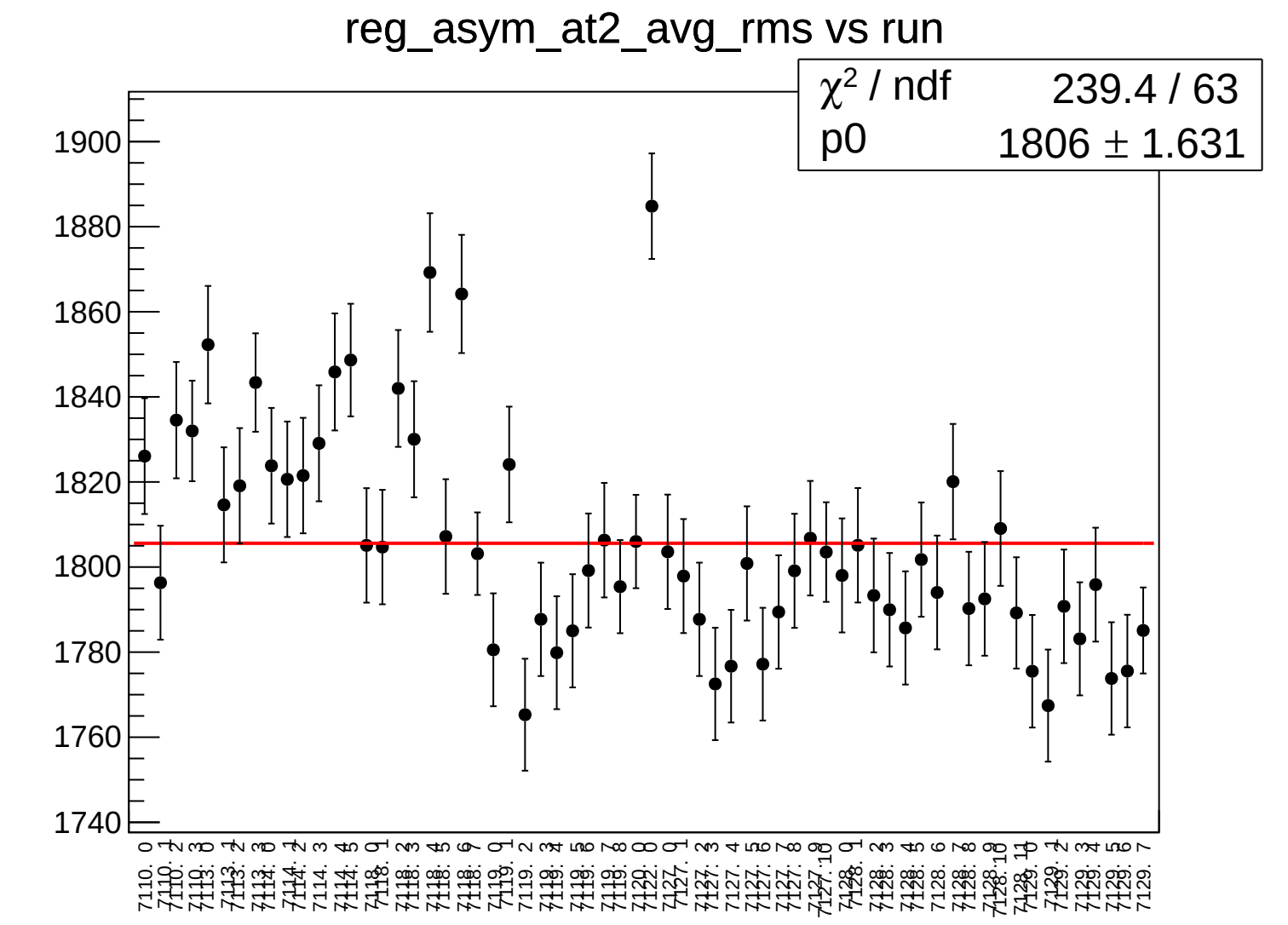

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.88 / 63
p0 −1.518e−14 ± 8.217e−15
pull
Entries 64
Mean −21.88
Std Dev 0

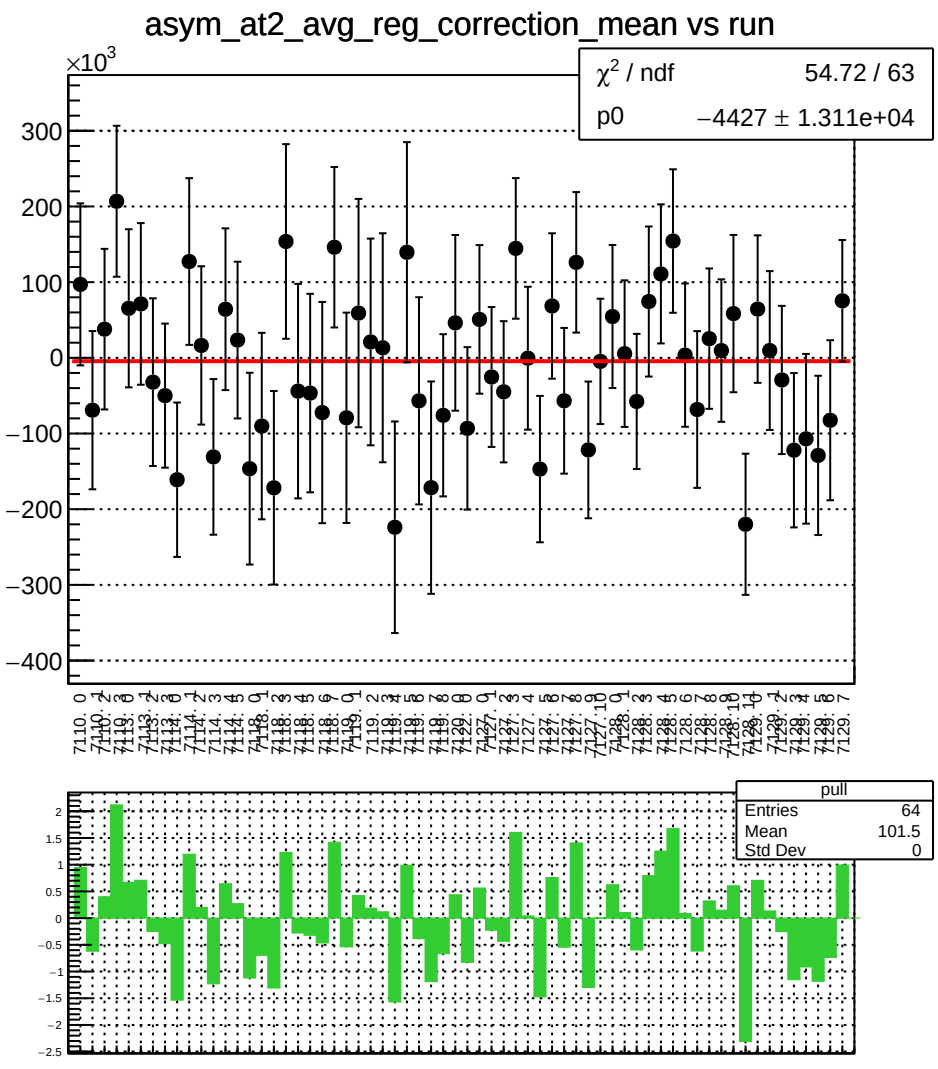

pull1D
Entries 64
Mean 0.05084
Std Dev 0.9076

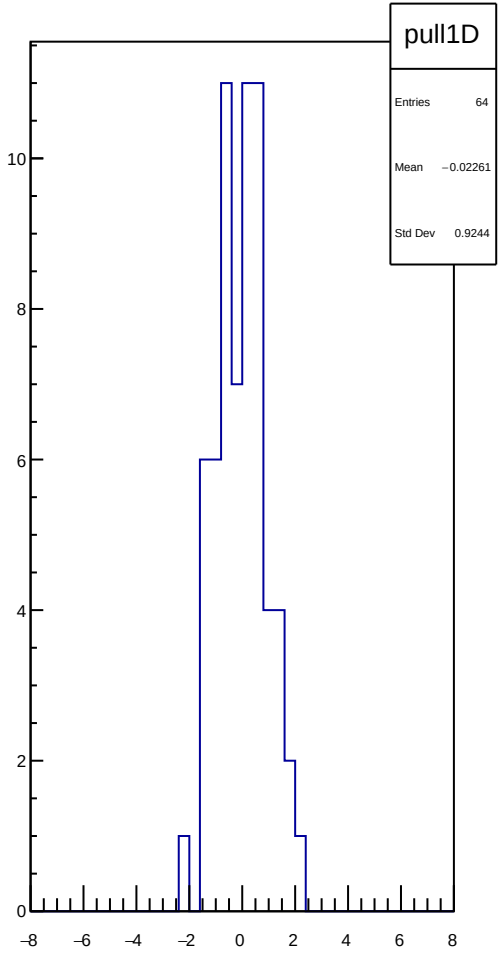

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 5.063e+05 / 63
p0 4.93e−12 ± 5.811e−15
60
50
40
30
20
10

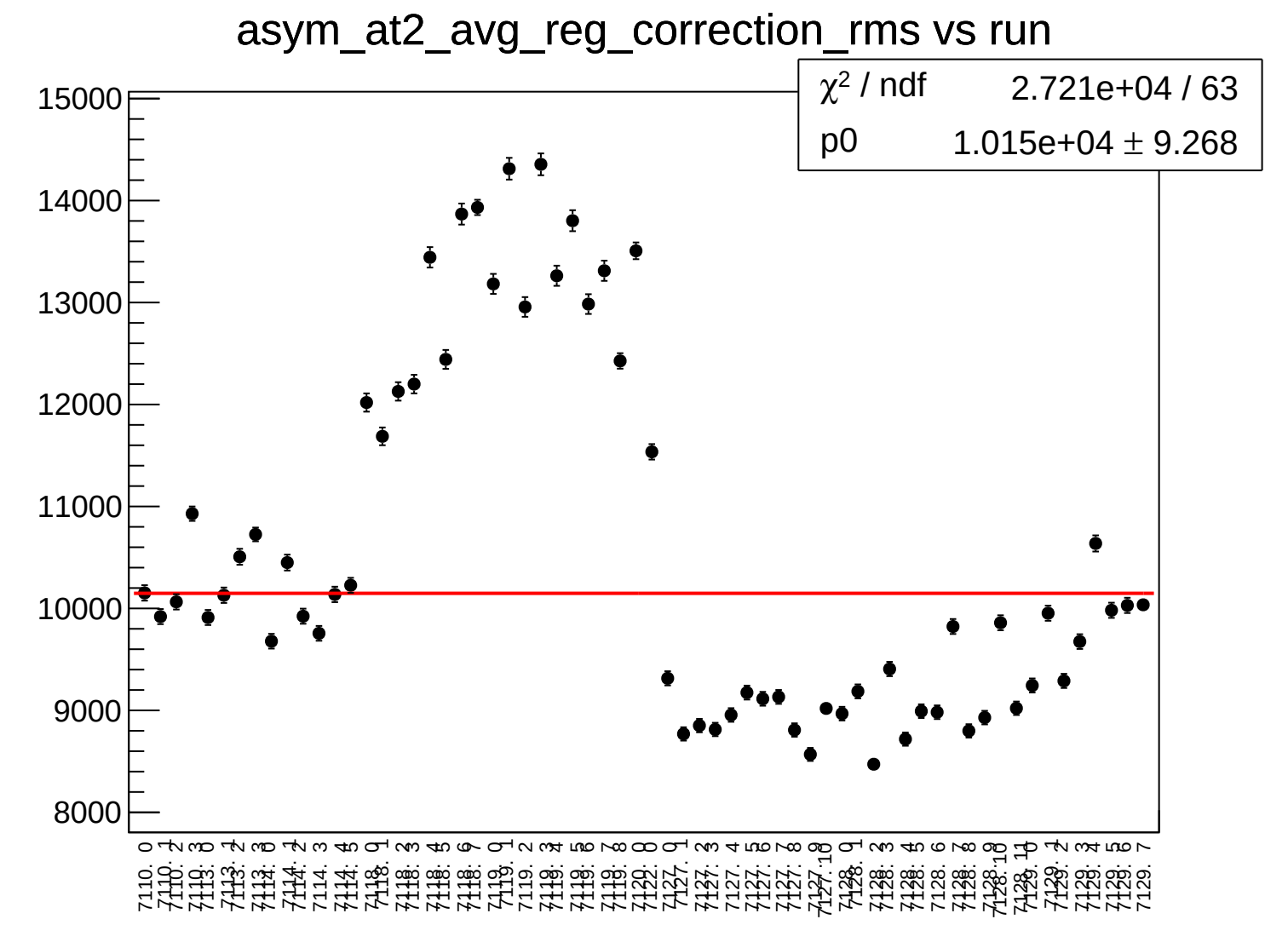

reg_asym_at2_avg_mean vs run
χ² / ndf 53.31 / 63
p0 9005 ± 2306
pull
Entries 64
Mean 242
Std Dev 0

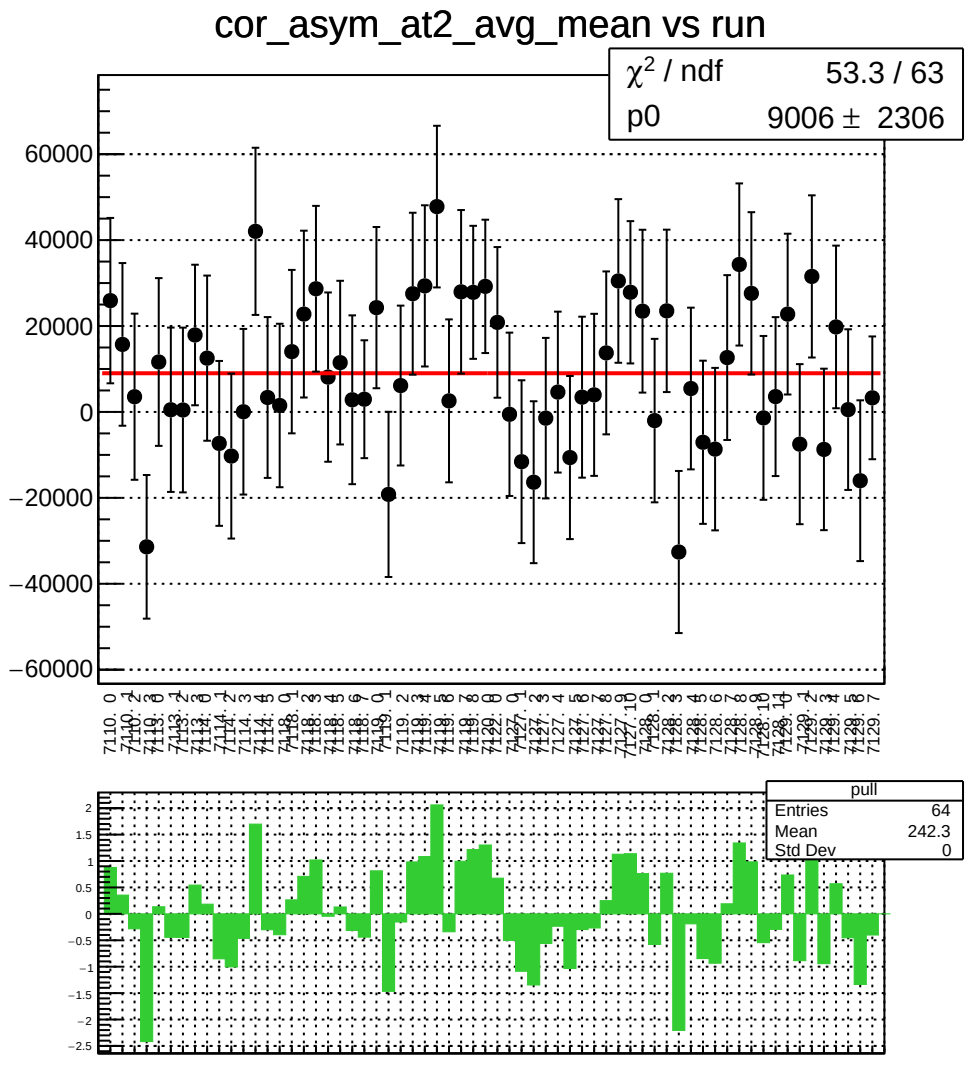

pull1D
Entries 64
Mean −0.003011
Std Dev 0.9126

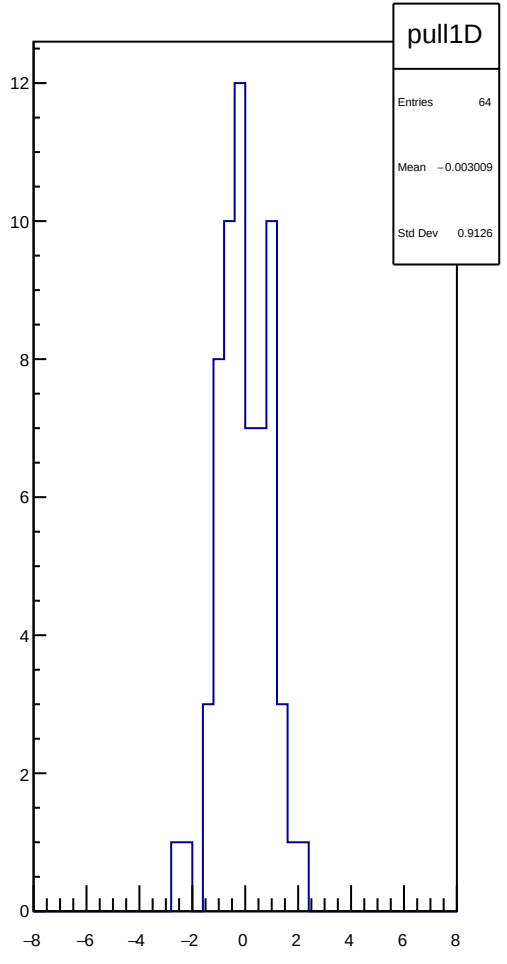

reg_asym_at2_avg_rms vs run
χ² / ndf 239.4 / 63
p0 1806 ± 1.631
1900
1880
1860
1840
1820
1800
1780
1760
1740

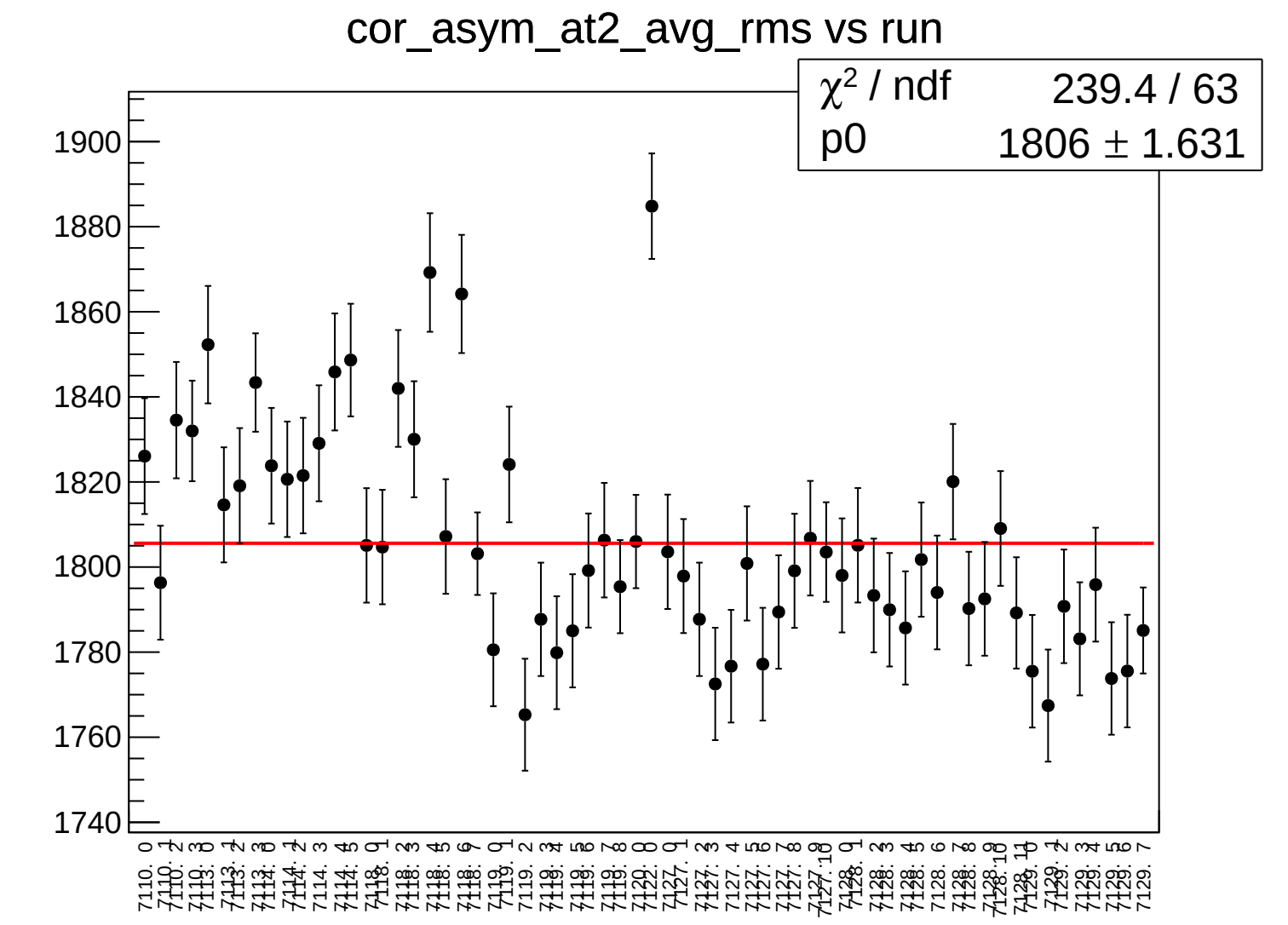

asym_at2_avg_reg_correction_mean vs run
χ² / ndf 54.72 / 63
p0 −4427 ± 1.311e+04
pull
Entries 64
Mean 101.5
Std Dev 0

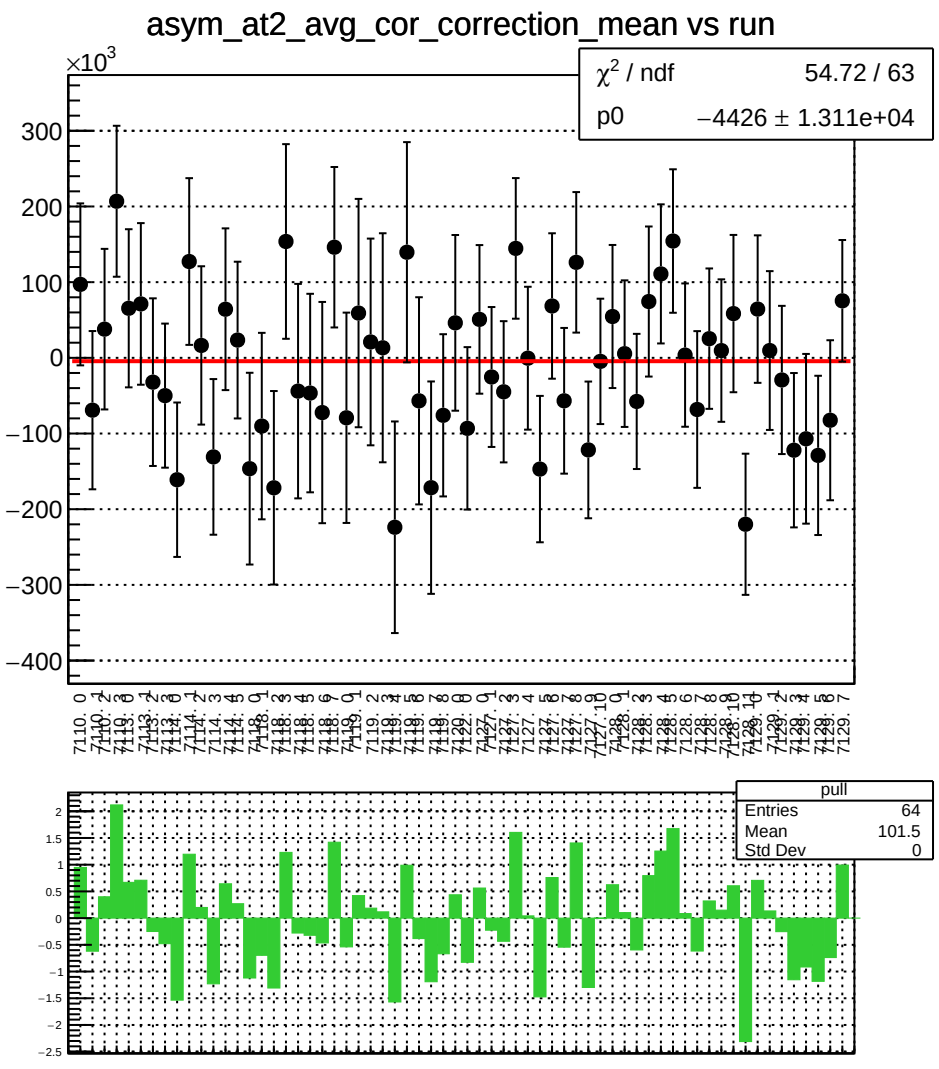

pull1D
Entries 64
Mean −0.02261
Std Dev 0.9244

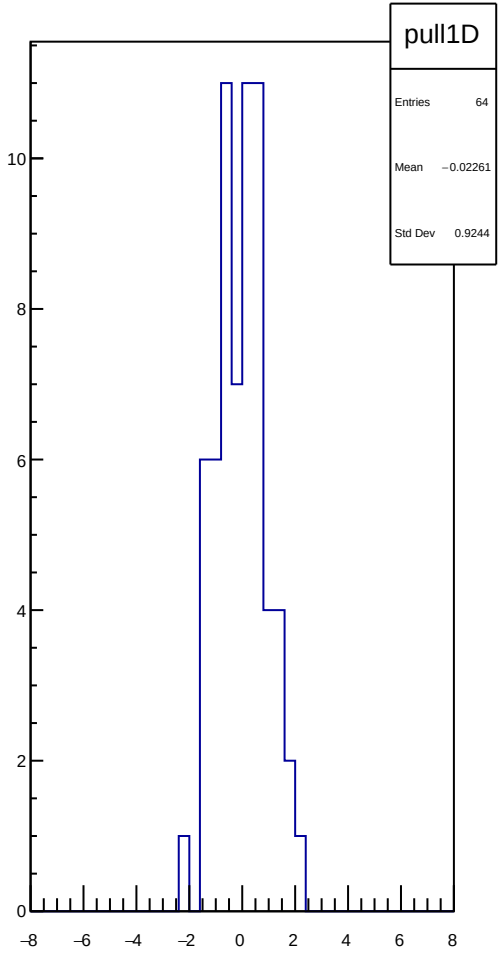

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 2.721e+04 / 63
p0 1.015e+04 ± 9.268
15000
14000
13000
12000
11000
10000
9000
8000

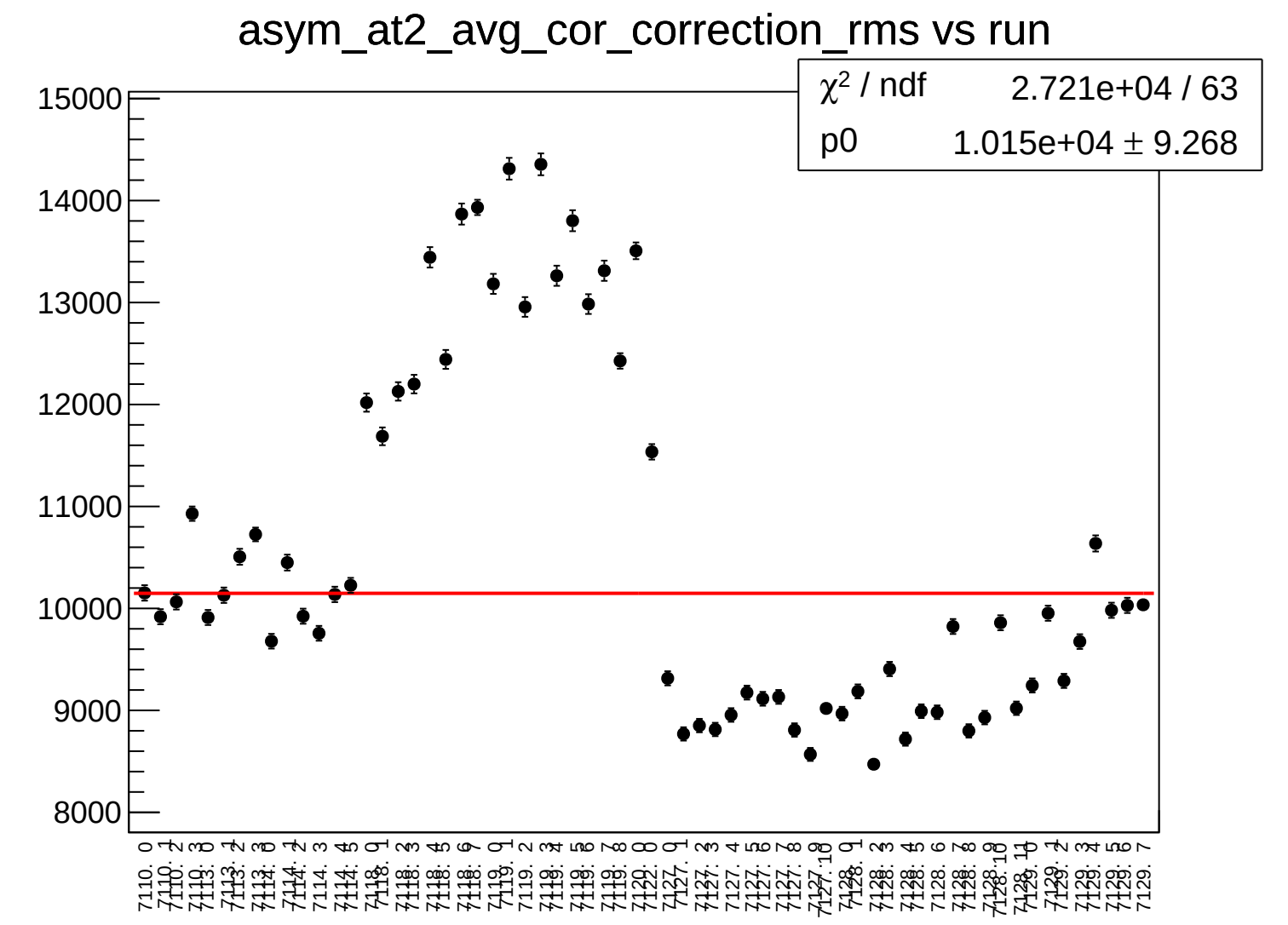

cor_asym_at2_avg_mean vs run
χ² / ndf 53.3 / 63
p0 9006 ± 2306
pull
Entries 64
Mean 242.3
Std Dev 0

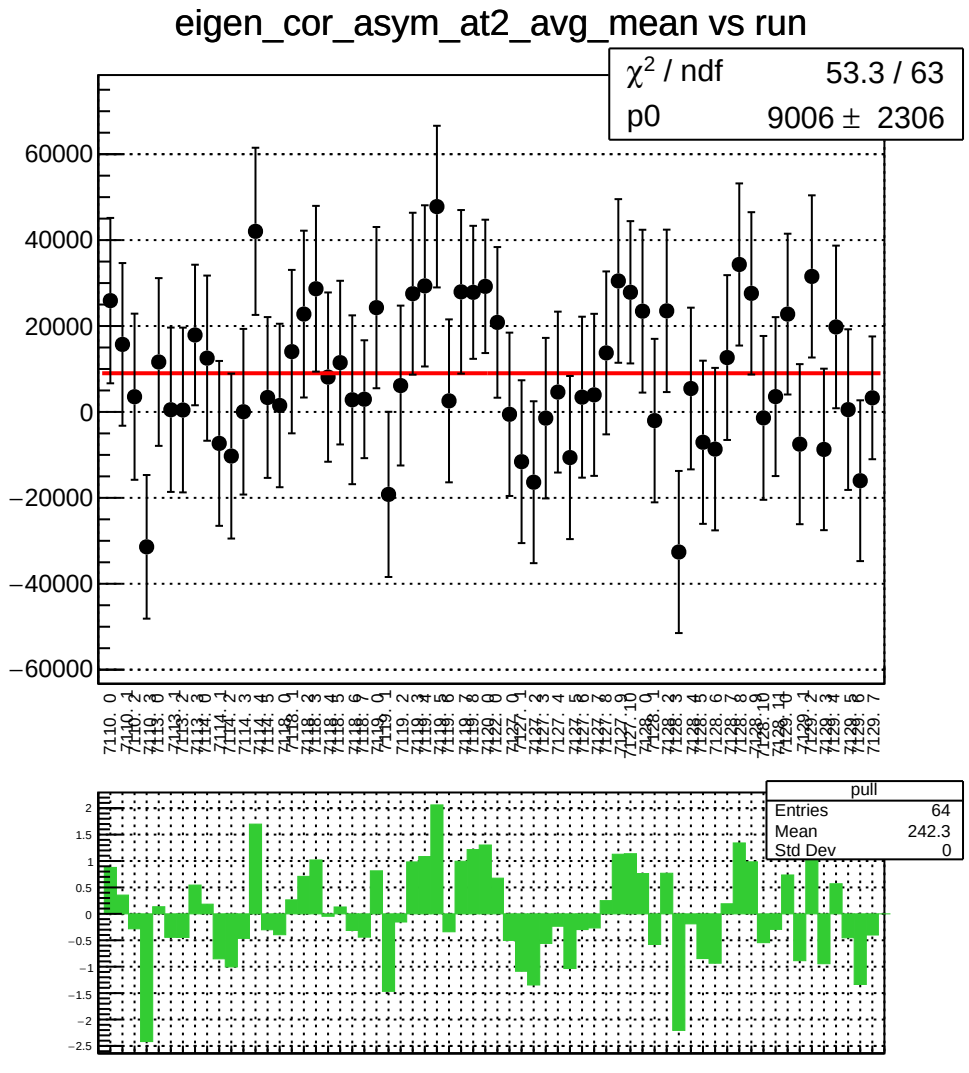

pull1D
Entries 64
Mean −0.003009
Std Dev 0.9126

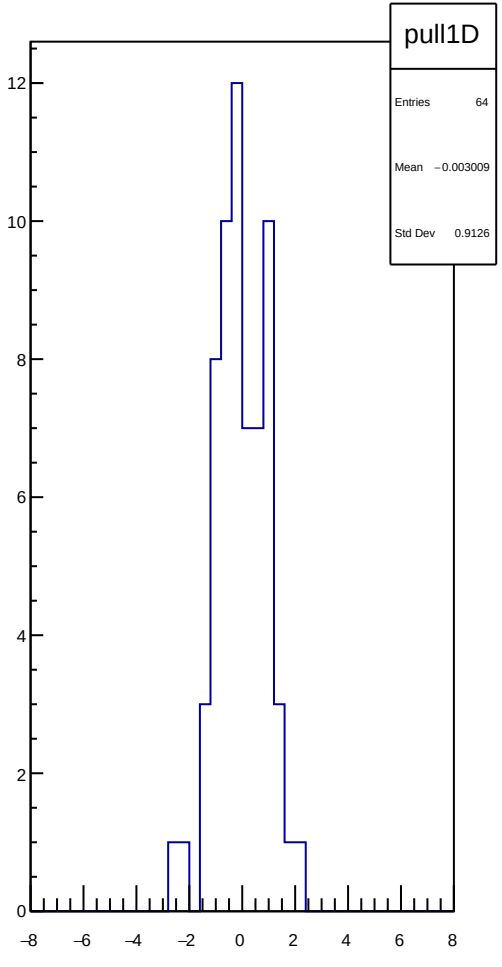

cor_asym_at2_avg_rms vs run
χ² / ndf 239.4 / 63
p0 1806 ± 1.631
1900
1880
1860
1840
1820
1800
1780
1760
1740

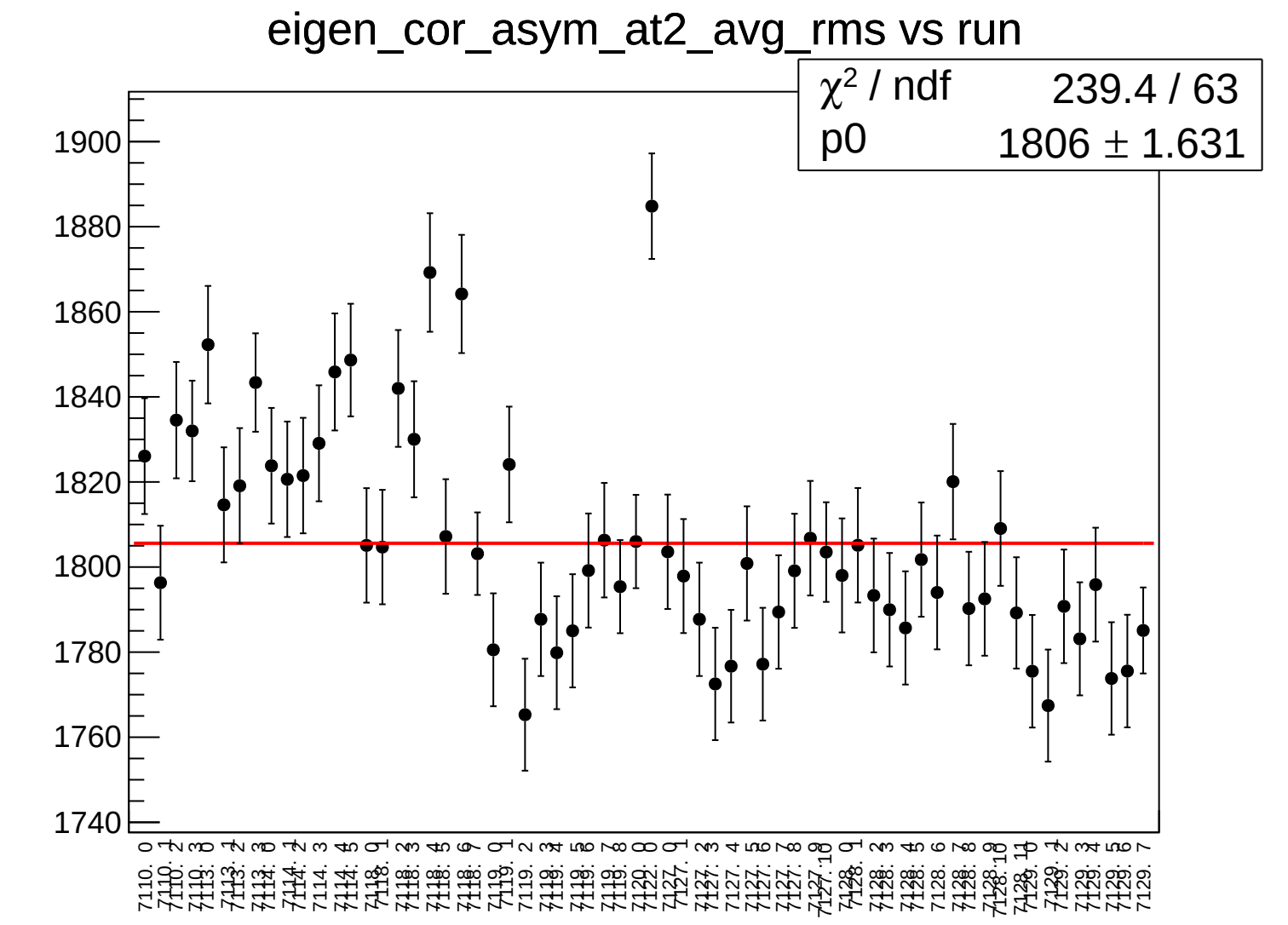

asym_at2_avg_cor_correction_mean vs run
χ² / ndf 54.72 / 63
p0 −4426 ± 1.311e+04
×10³
pull
Entries 64
Mean 101.5
Std Dev 0

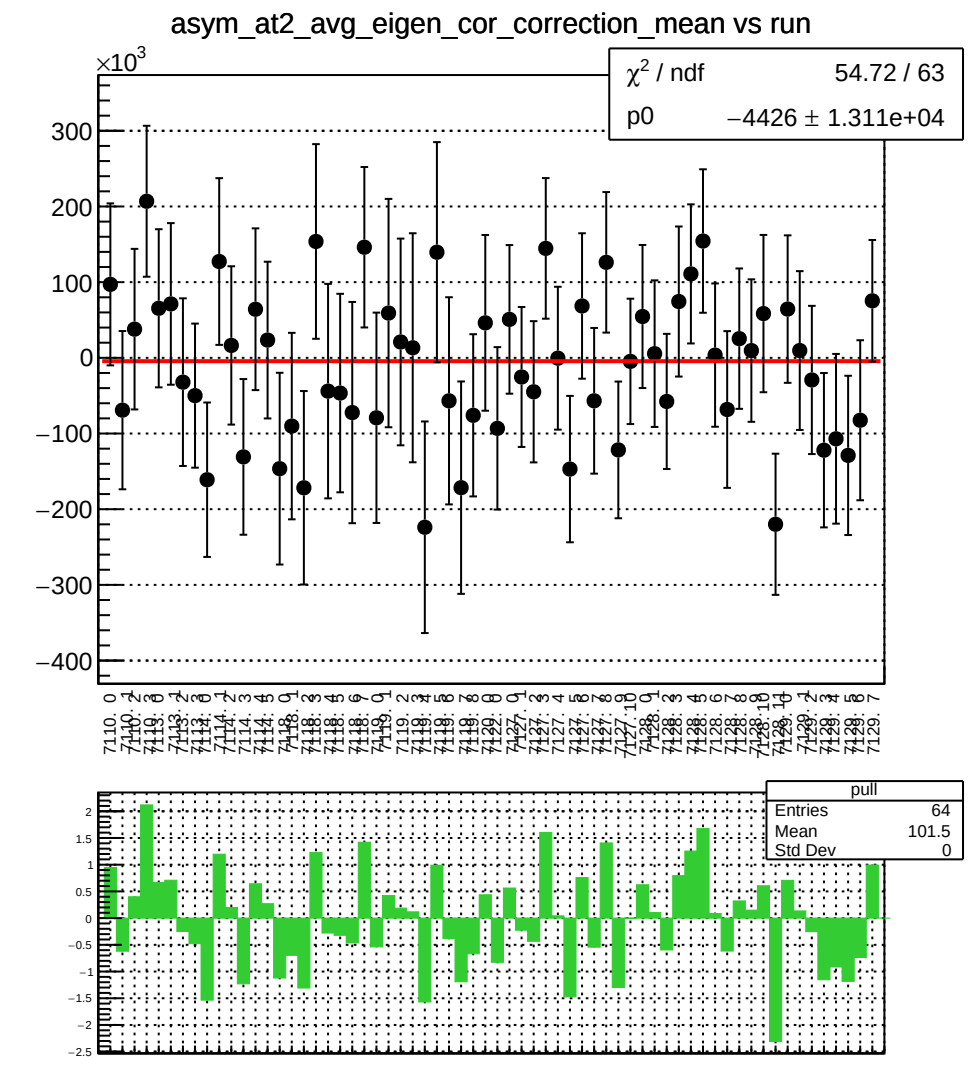

pull1D
Entries 64
Mean −0.02261
Std Dev 0.9244

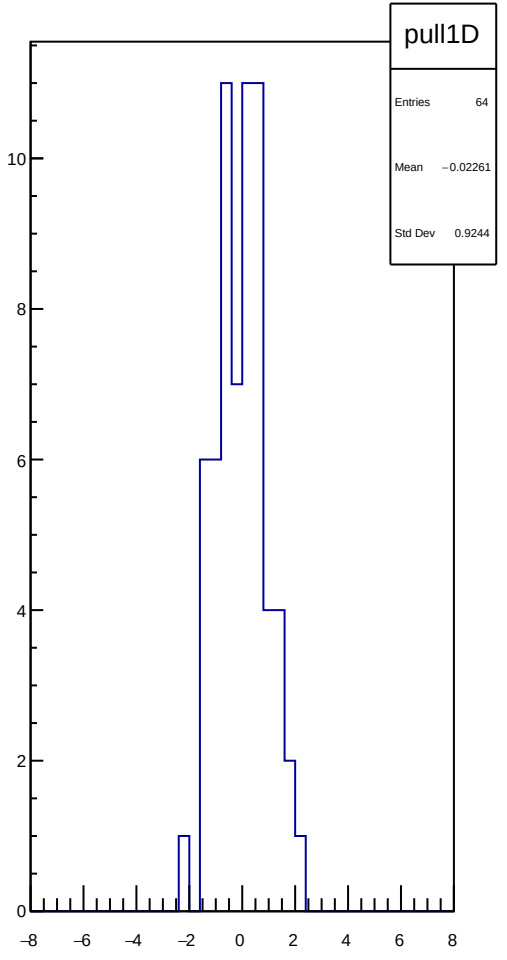

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 2.721e+04 / 63
p0 1.015e+04 ± 9.268
15000
14000
13000
12000
11000
10000
9000
8000

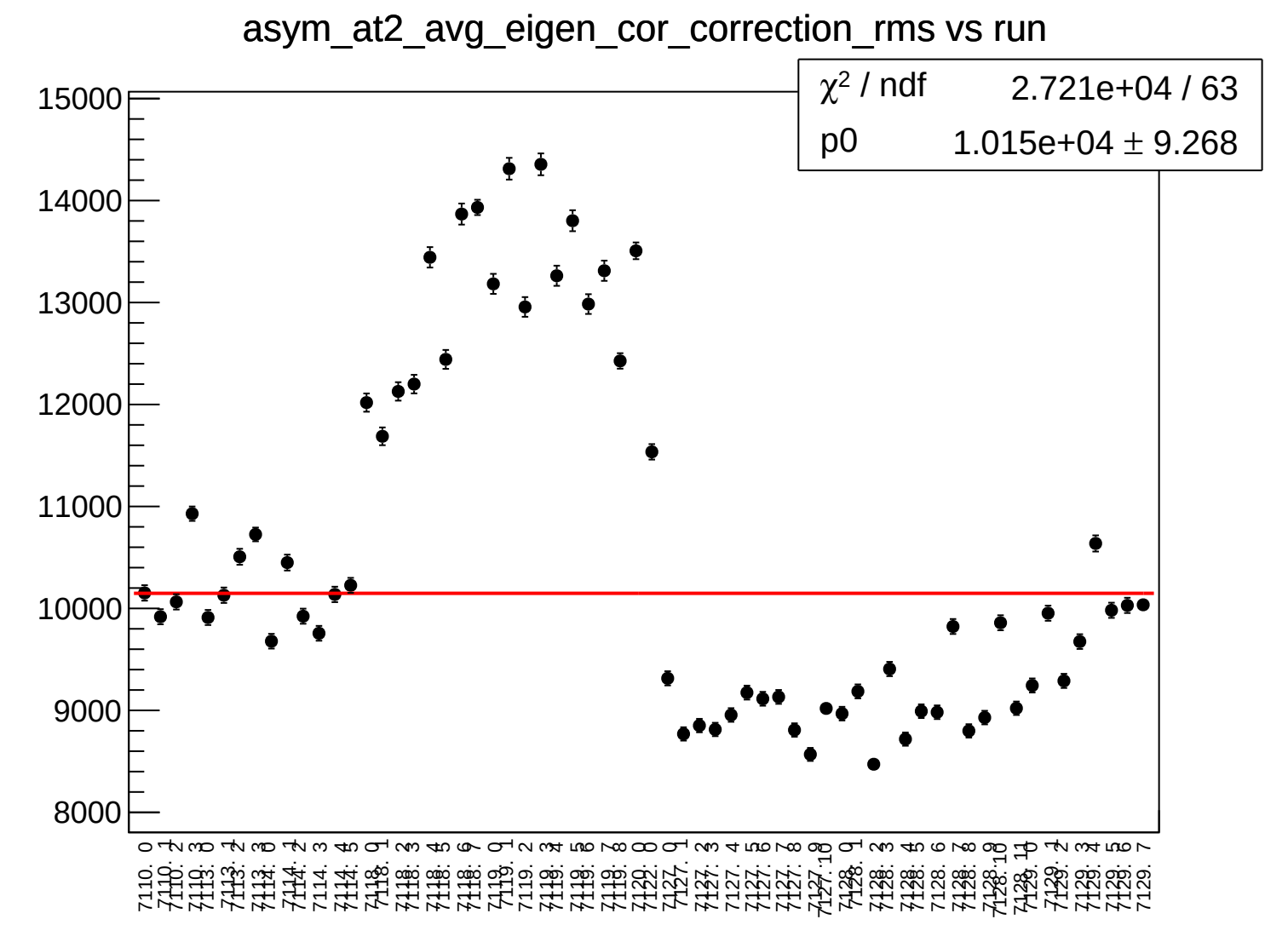

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 53.3 / 63
p0 9006 ± 2306
pull
Entries 64
Mean 242.3
Std Dev 0

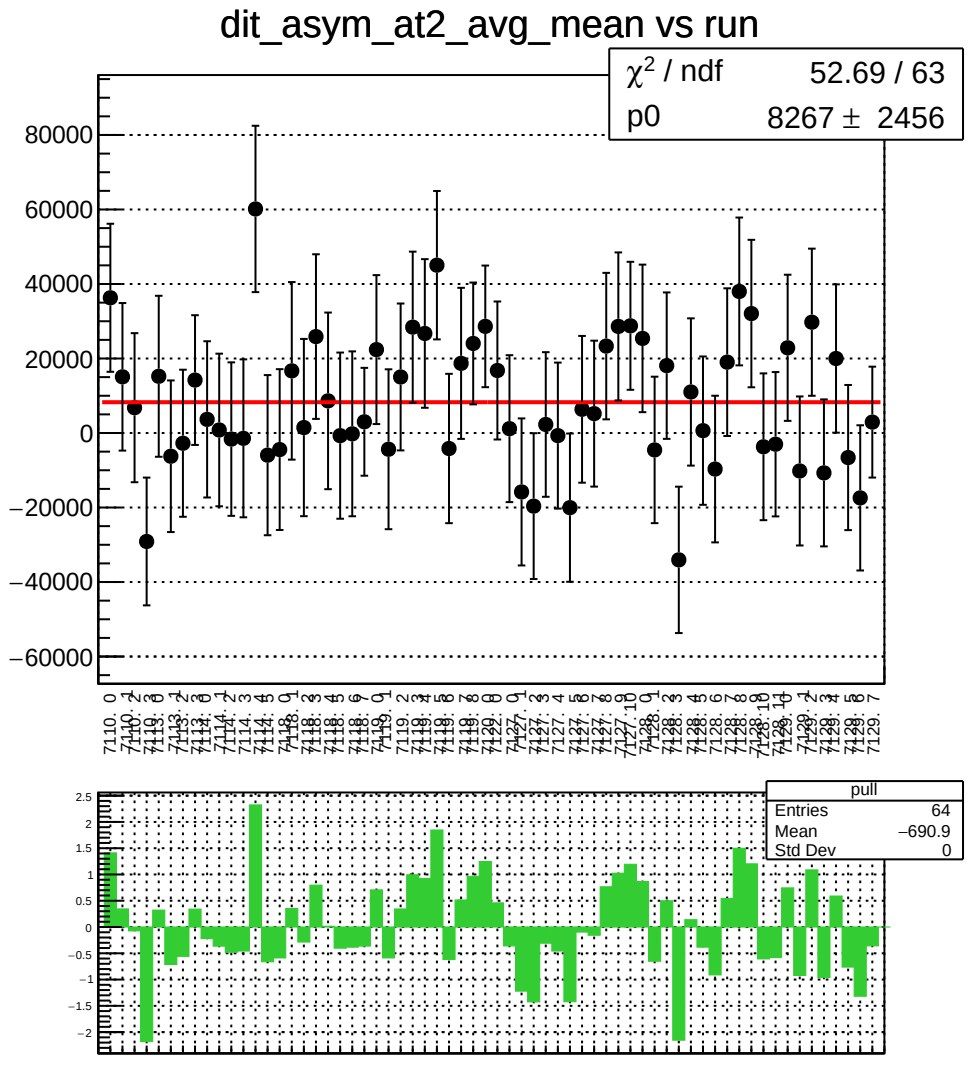

pull1D
Entries 64
Mean −0.003009
Std Dev 0.9126

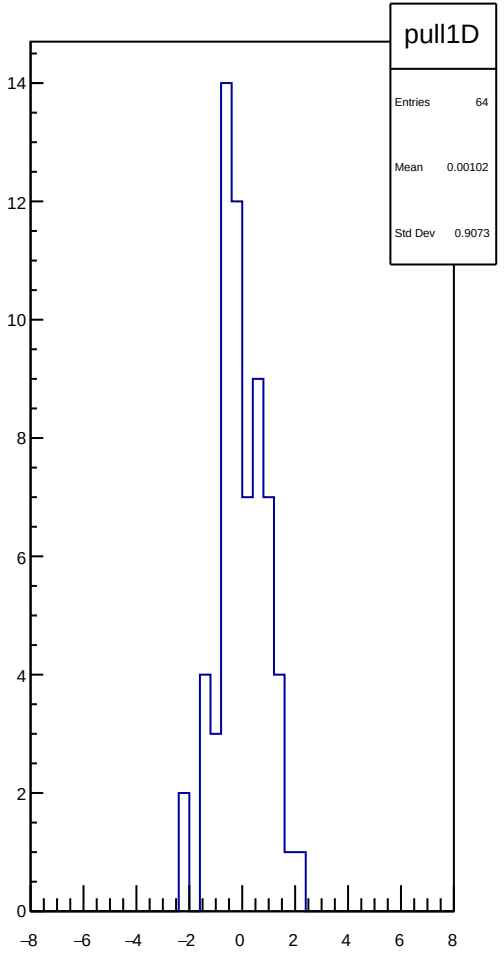

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 239.4 / 63
p0 1806 ± 1.631
1900
1880
1860
1840
1820
1800
1780
1760
1740

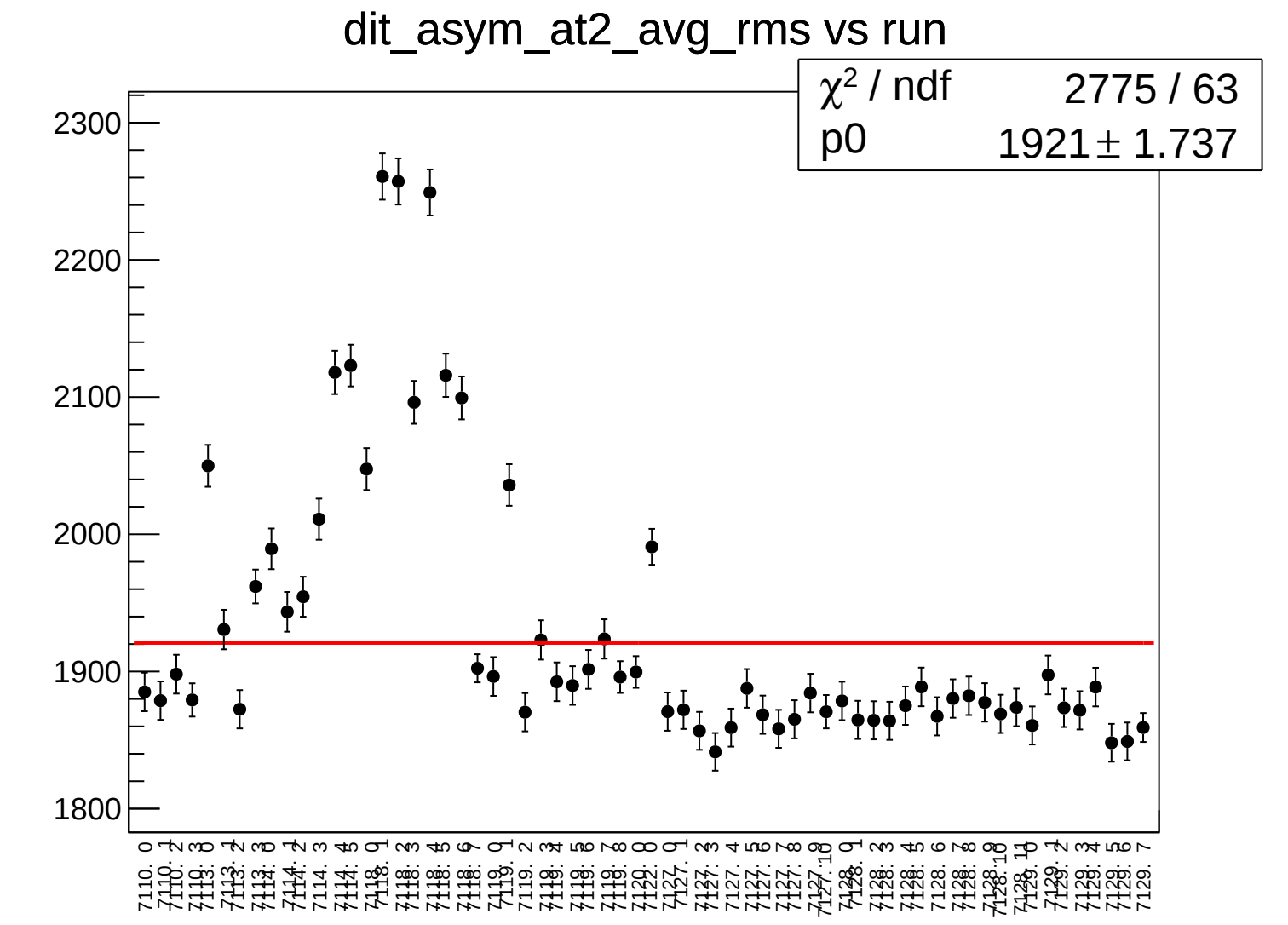

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.72 / 63
p0 −4426 ± 1.311e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 64
Mean 101.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

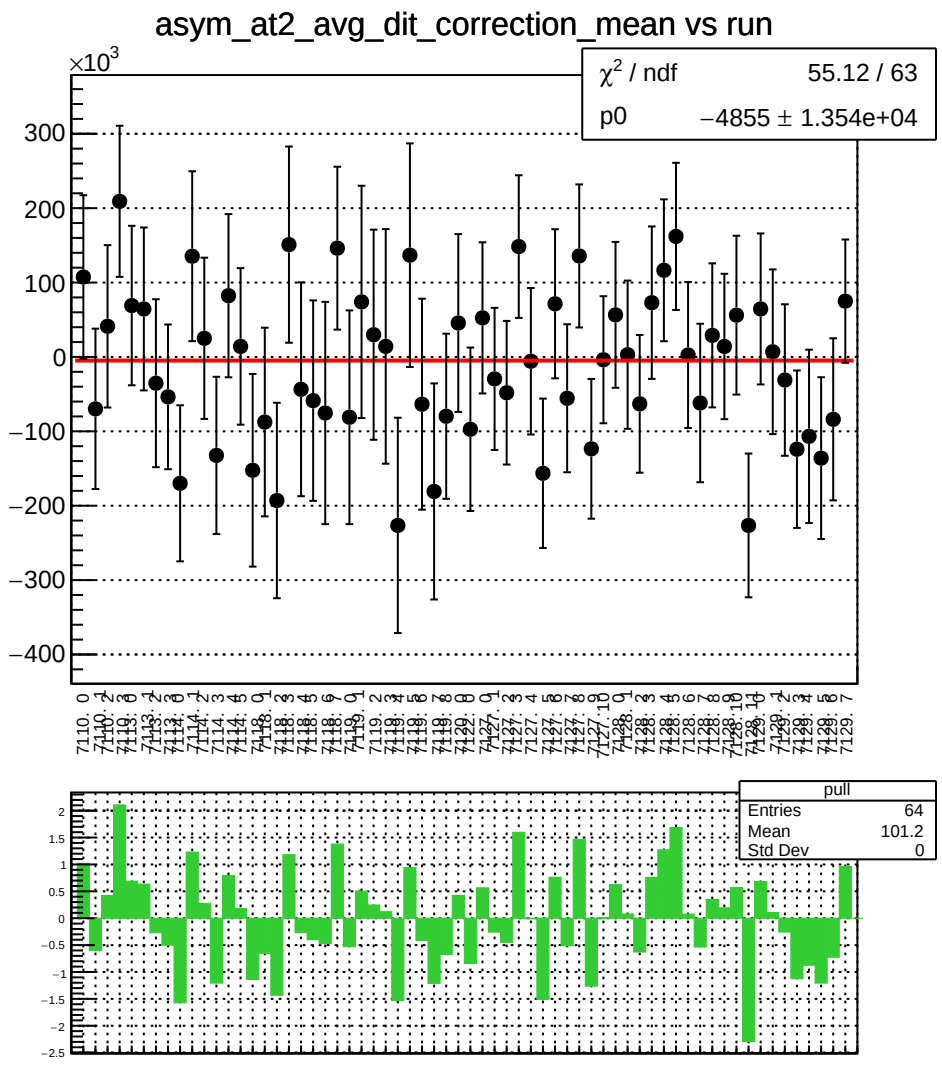

pull1D
Entries 64
Mean −0.02261
Std Dev 0.9244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

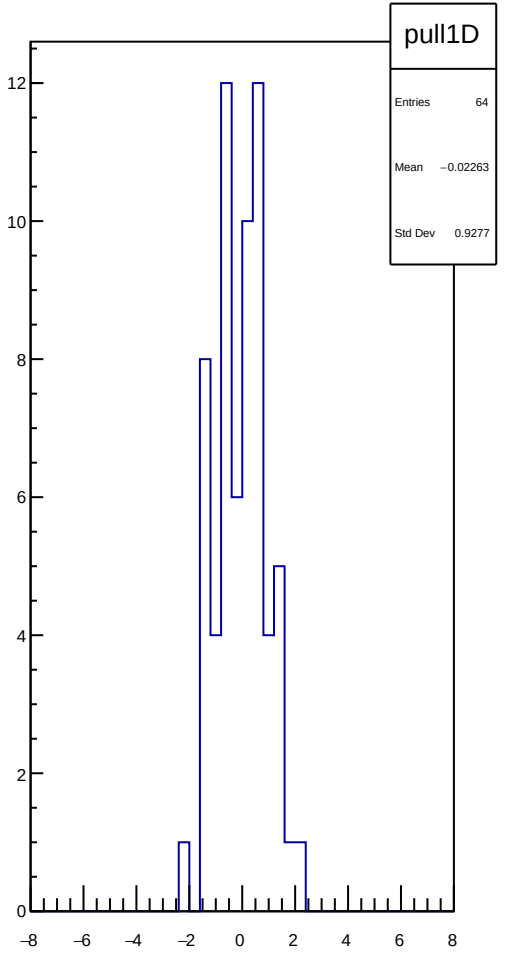

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.721e+04 / 63
p0 1.015e+04 ± 9.268
15000
14000
13000
12000
11000
10000
9000
8000

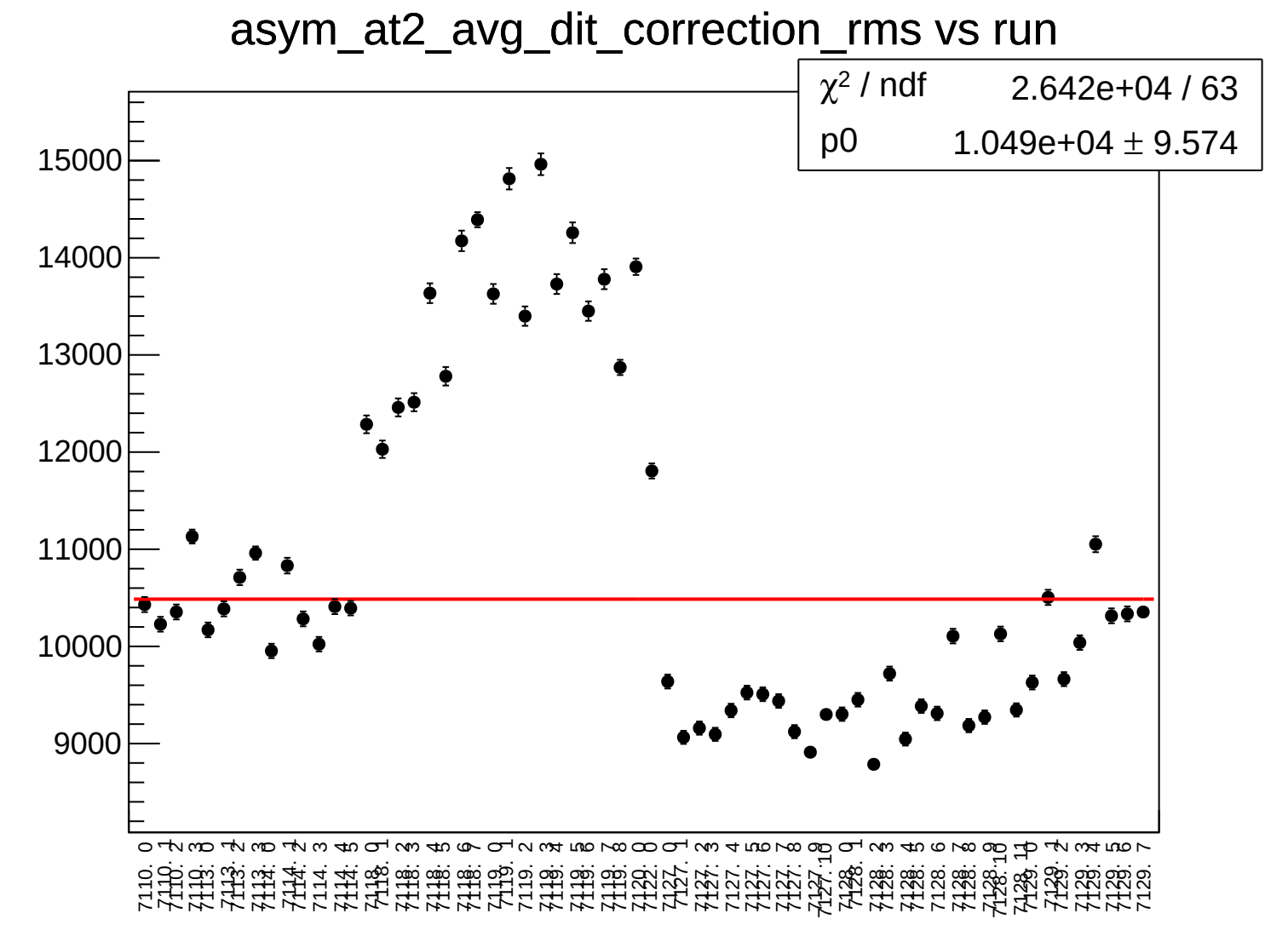

dit_asym_at2_avg_mean vs run
χ² / ndf 52.69 / 63
p0 8267 ± 2456
pull
Entries 64
Mean −690.9
Std Dev 0

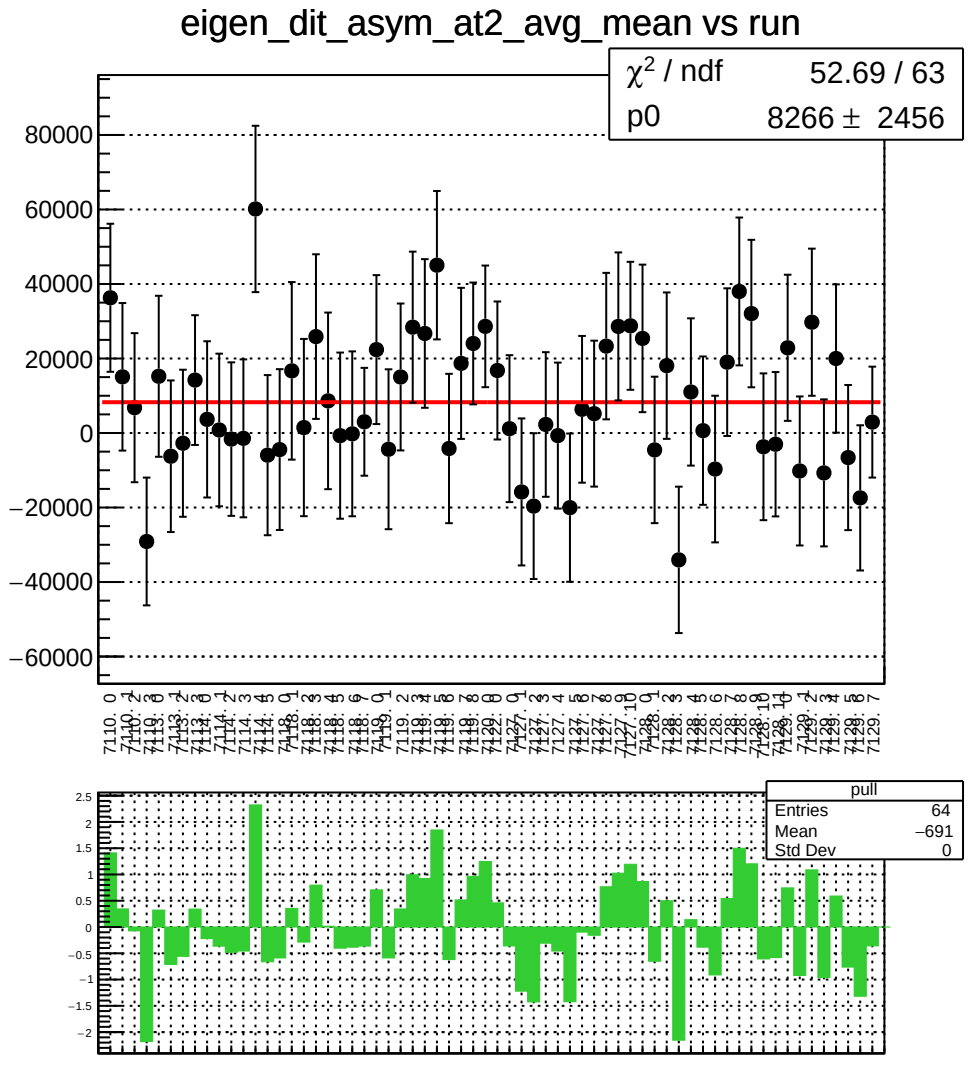

pull1D
Entries 64
Mean 0.00102
Std Dev 0.9073

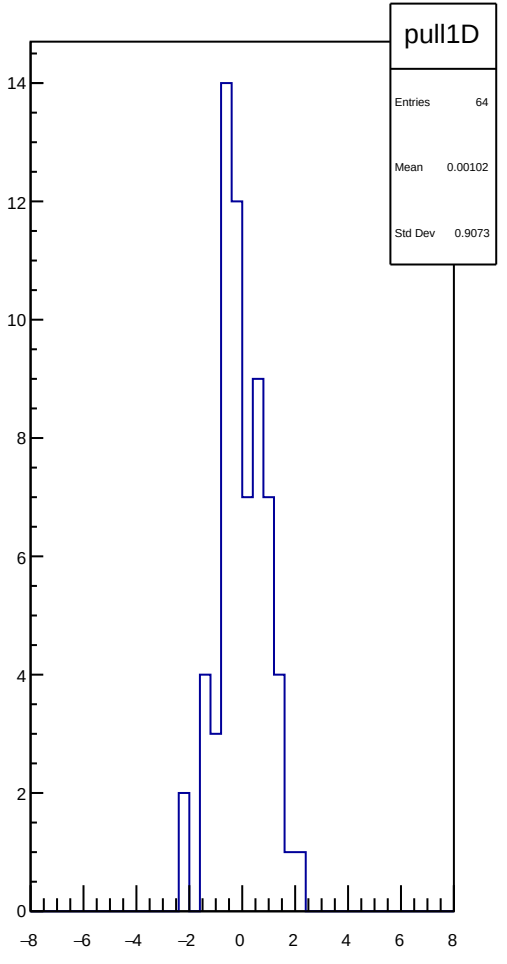

dit_asym_at2_avg_rms vs run
χ² / ndf 2775 / 63
p0 1921 ± 1.737
2300
2200
2100
2000
1900
1800

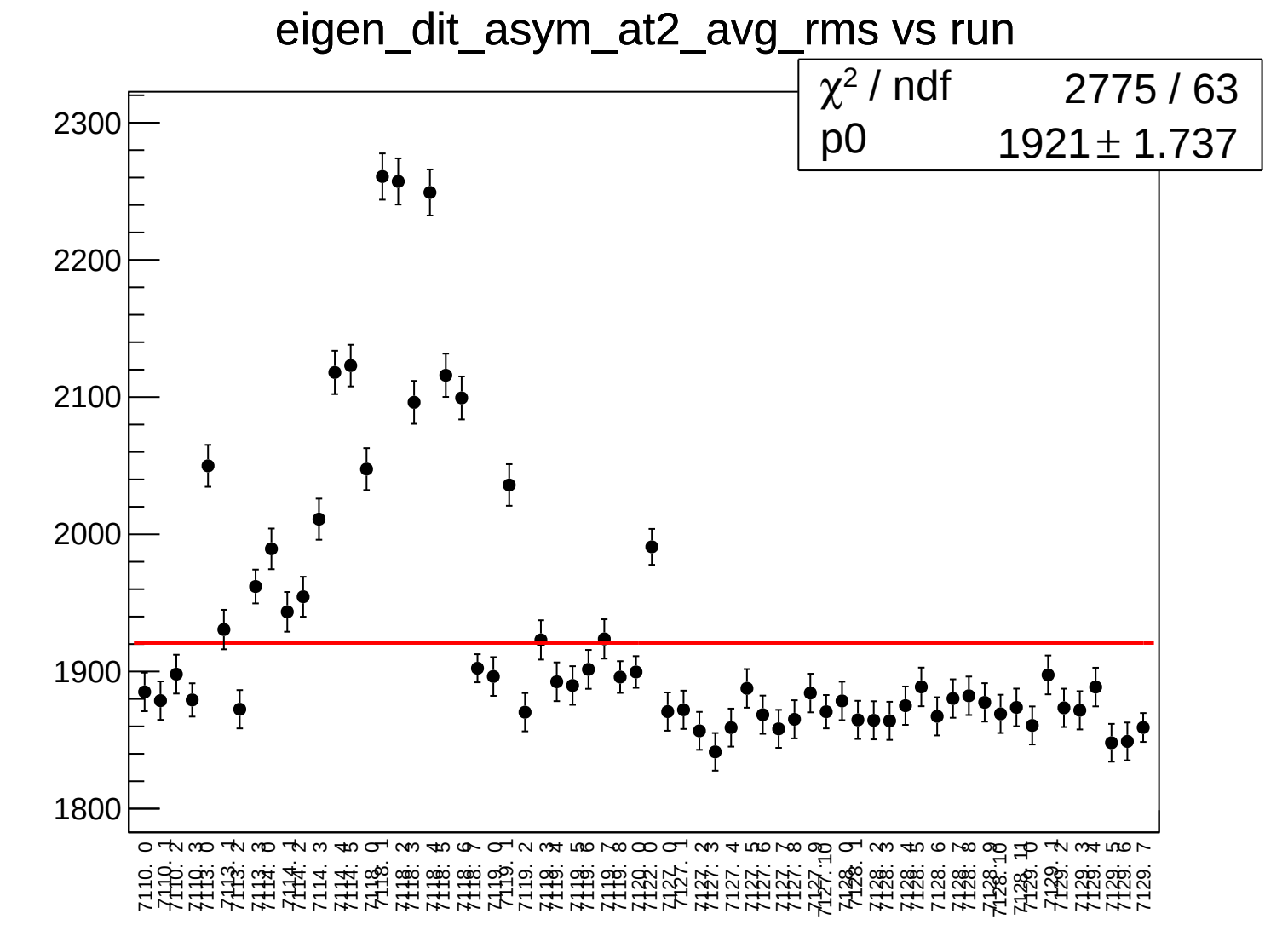

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.12 / 63
p0 −4855 ± 1.354e+04
pull
Entries 64
Mean 101.2
Std Dev 0

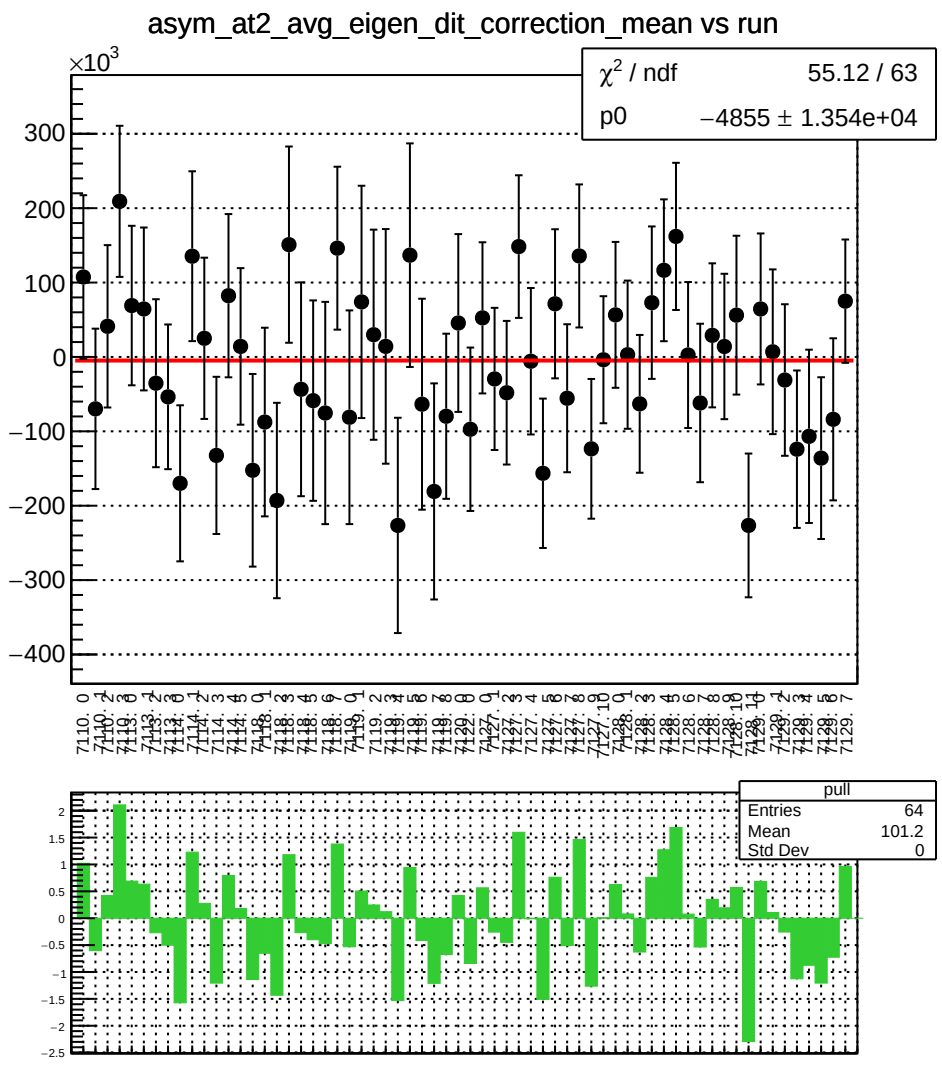

pull1D
Entries 64
Mean −0.02263
Std Dev 0.9277

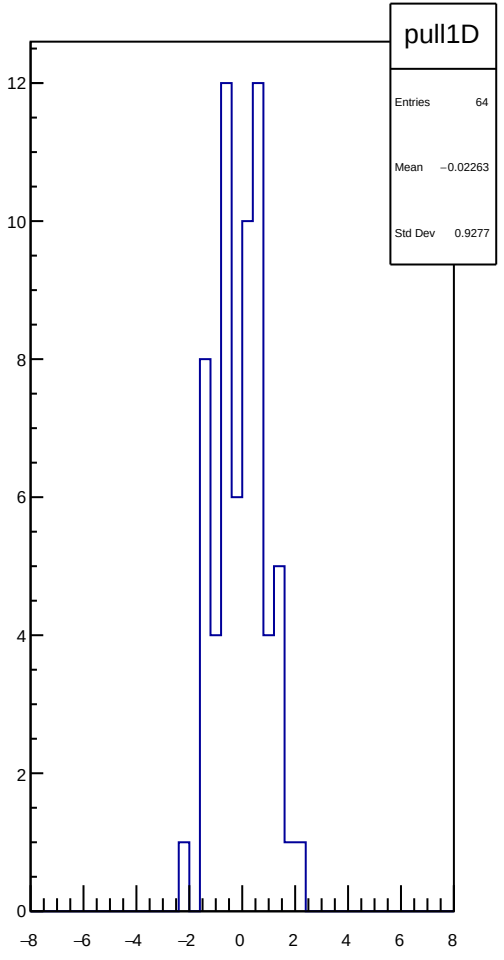

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 2.642e+04 / 63
p0 1.049e+04 ± 9.574
15000
14000
13000
12000
11000
10000
9000

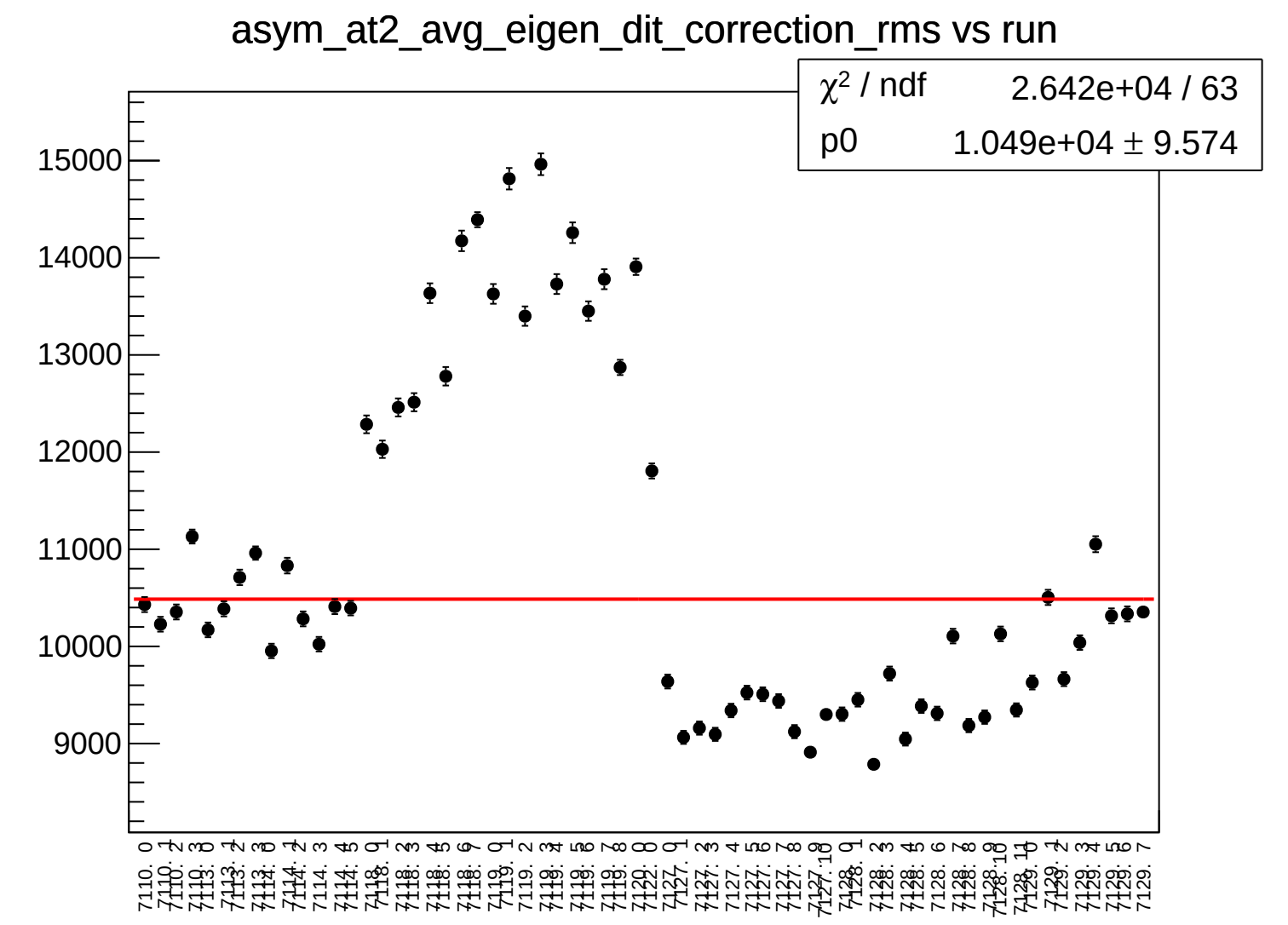

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 52.69 / 63
p0 8266 ± 2456
pull
Entries 64
Mean −691
Std Dev 0

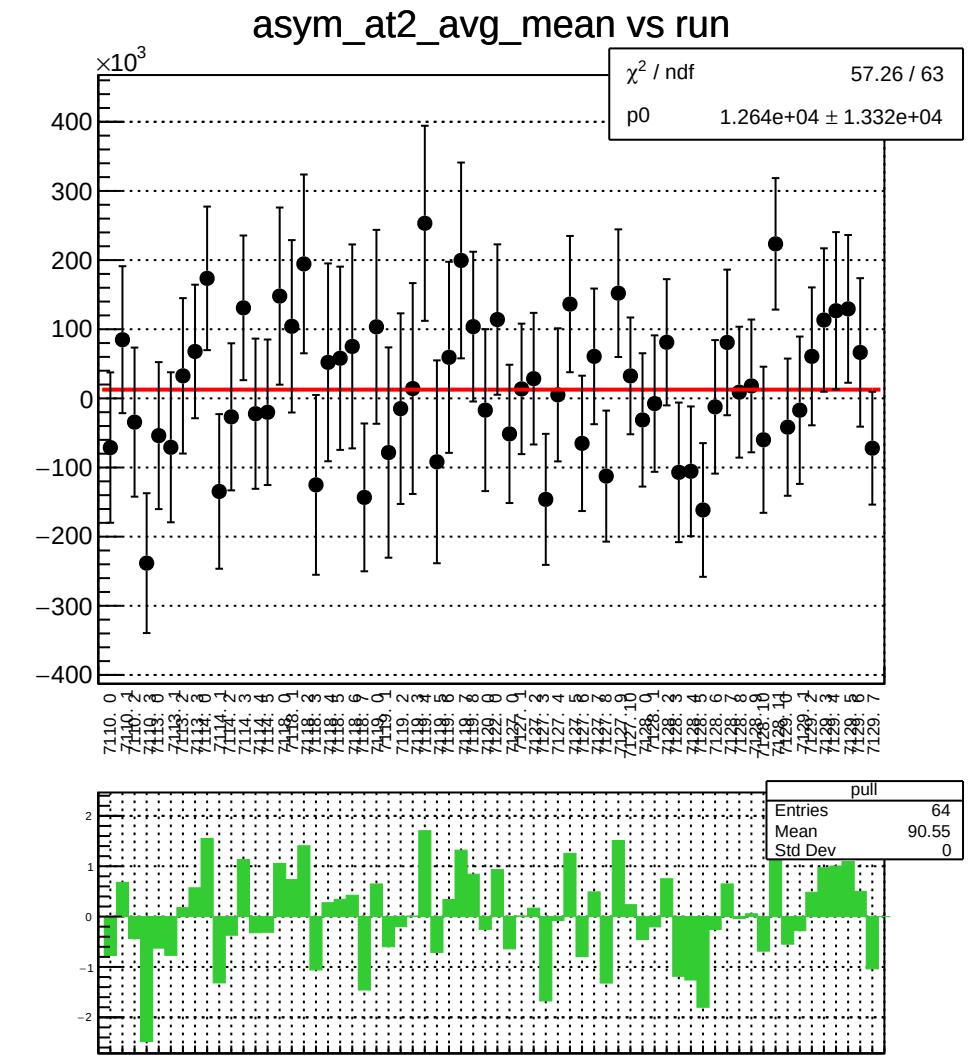

pull1D
Entries 64
Mean 0.00102
Std Dev 0.9073

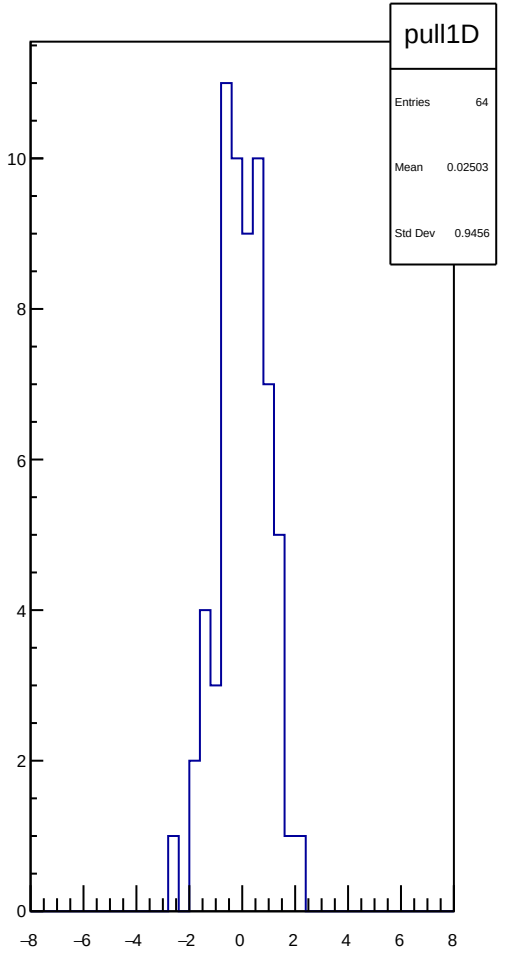

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 2775 / 63
p0 1921 ± 1.737
2300
2200
2100
2000
1900
1800

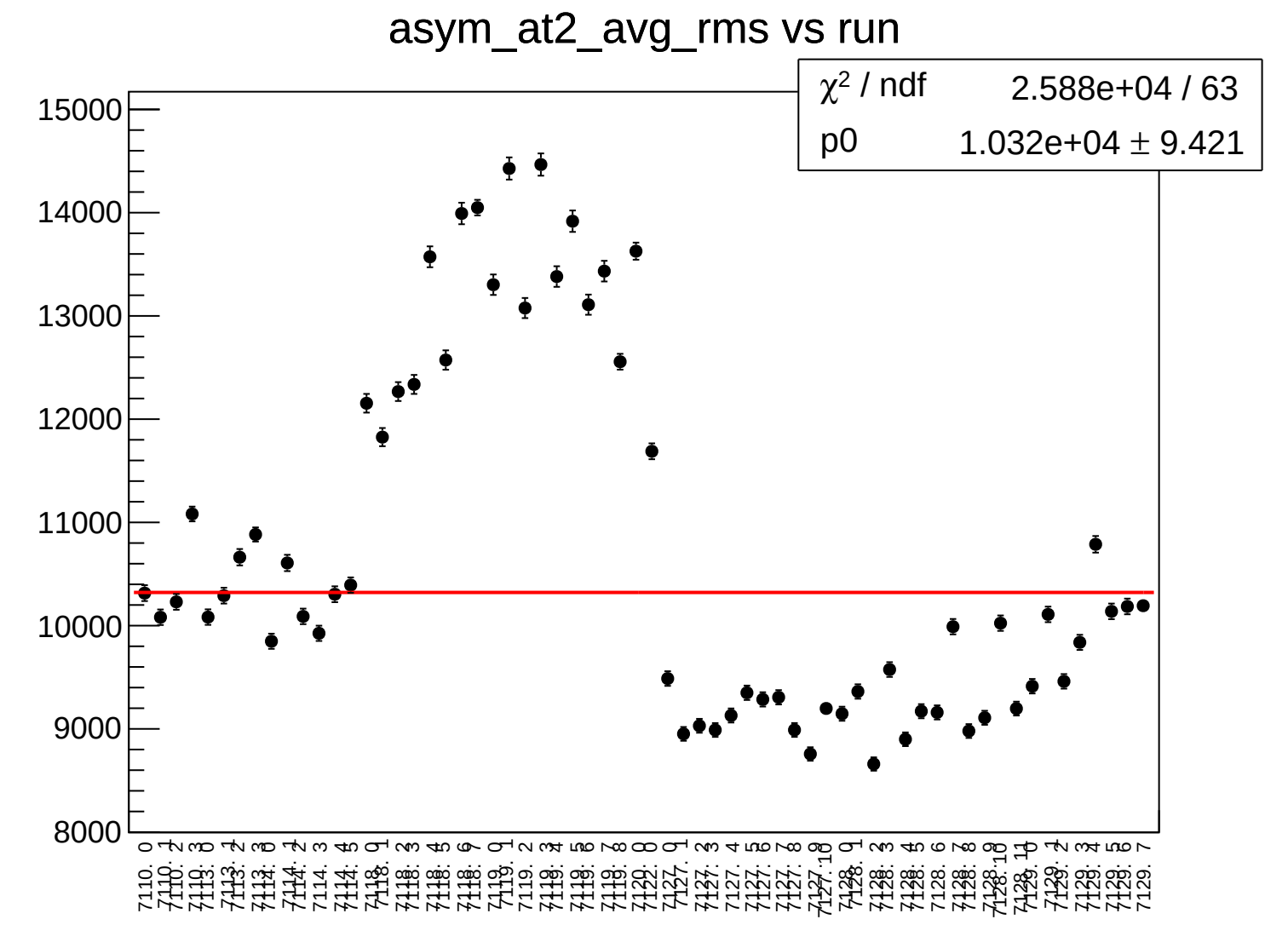

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.12 / 63
p0 −4855 ± 1.354e+04
pull
Entries 64
Mean 101.2
Std Dev 0

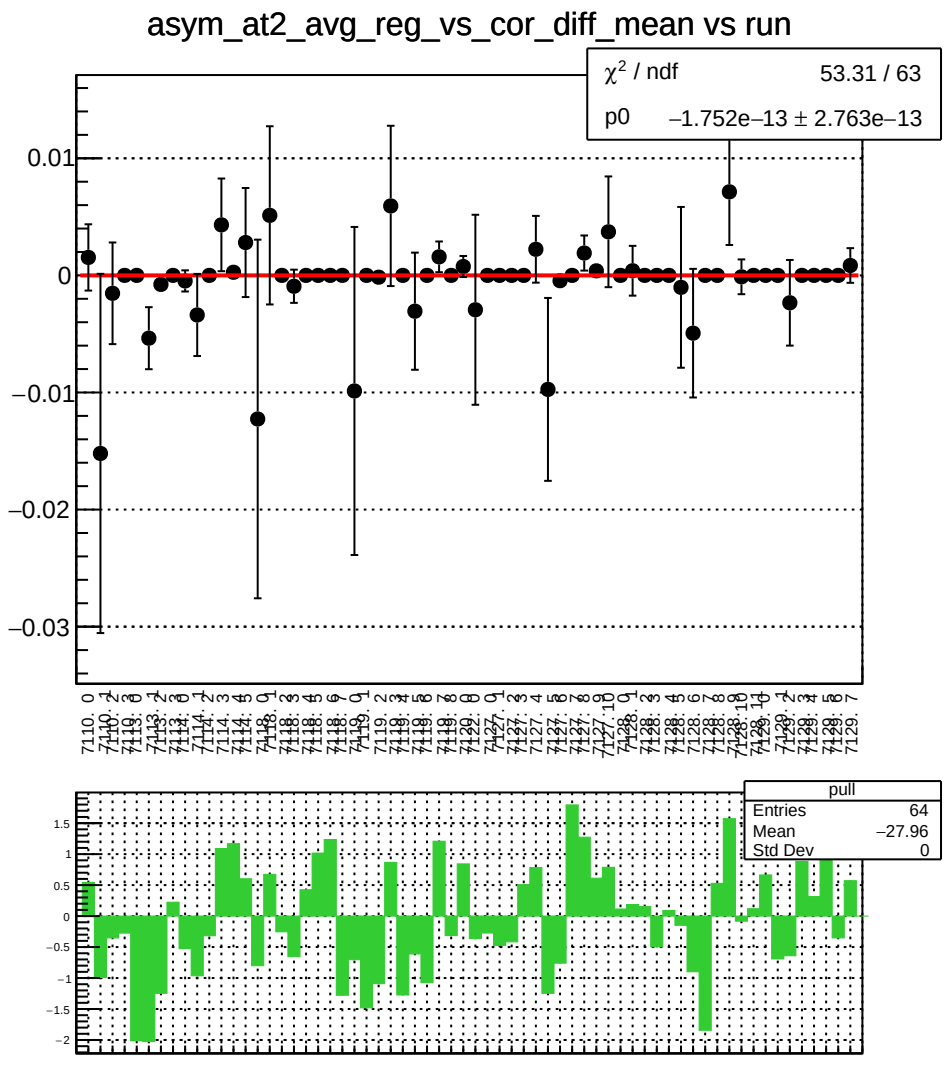

pull1D
Entries 64
Mean −0.02263
Std Dev 0.9277

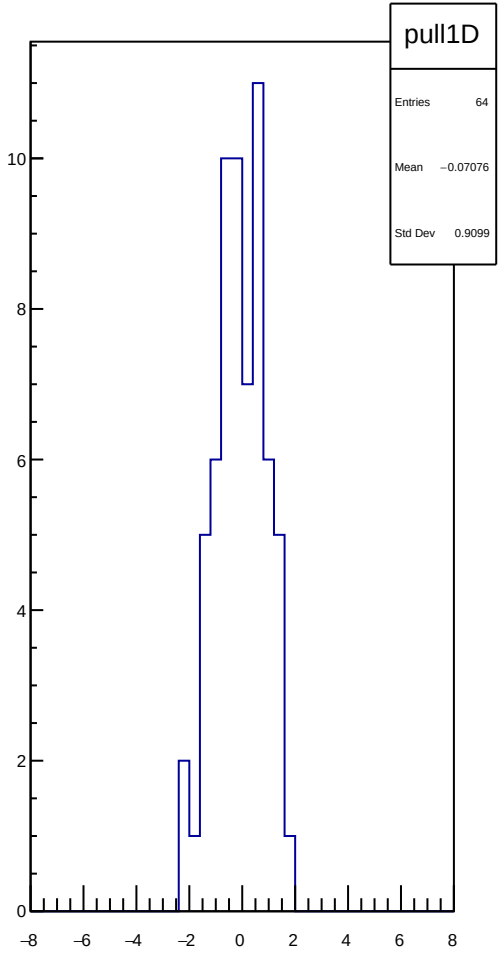

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.642e+04 / 63
p0 1.049e+04 ± 9.574
15000
14000
13000
12000
11000
10000
9000

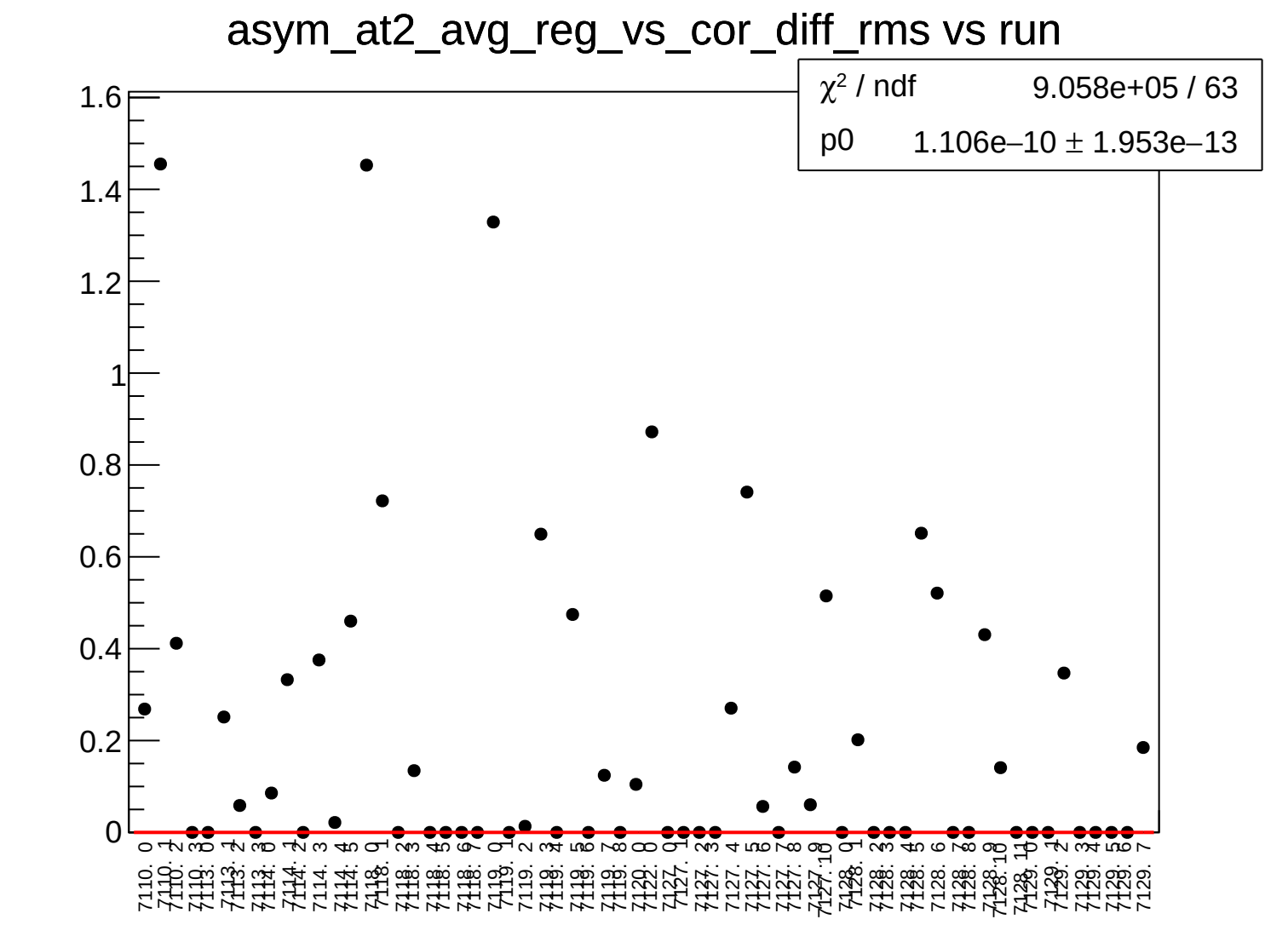

asym_at2_avg_mean vs run
×10^3
χ² / ndf 57.26 / 63
p0 1.264e+04 ± 1.332e+04
pull
Entries 64
Mean 90.55
Std Dev 0

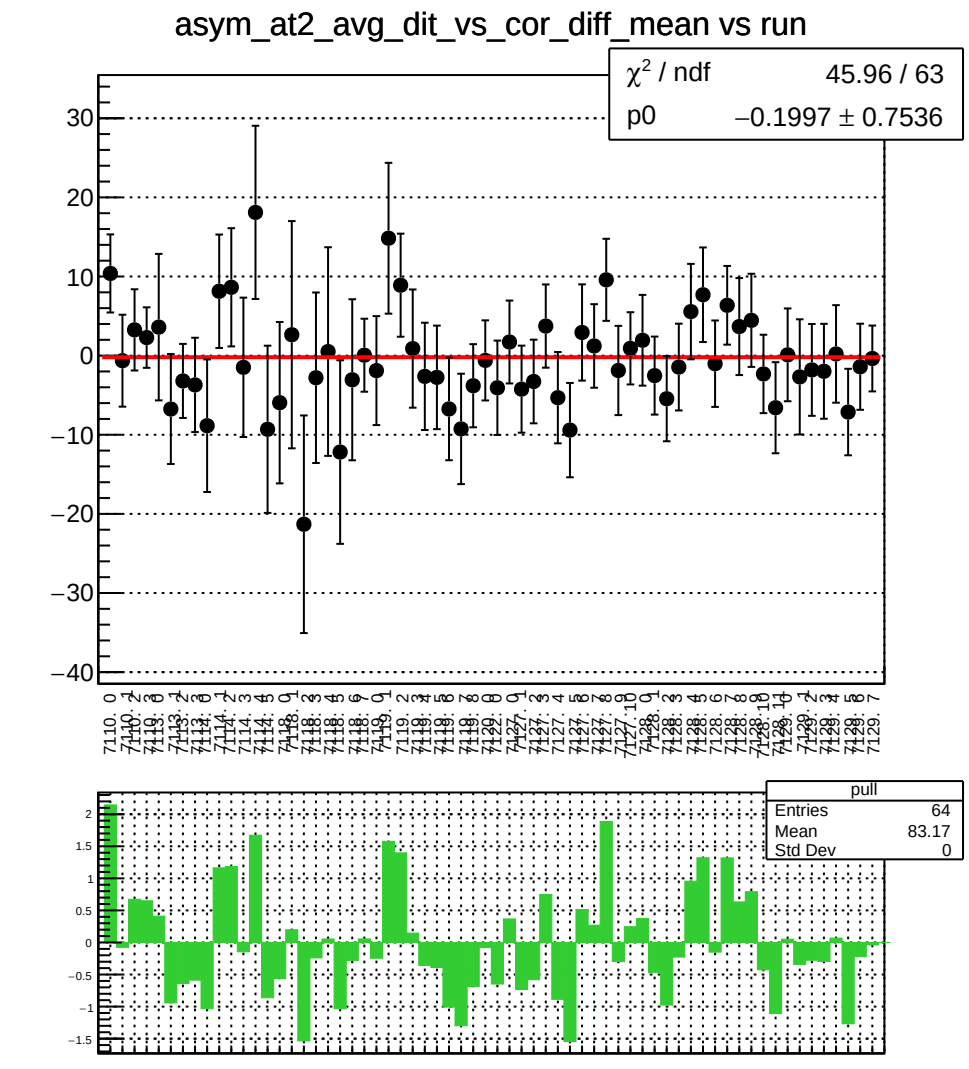

pull1D
Entries 64
Mean 0.02503
Std Dev 0.9456

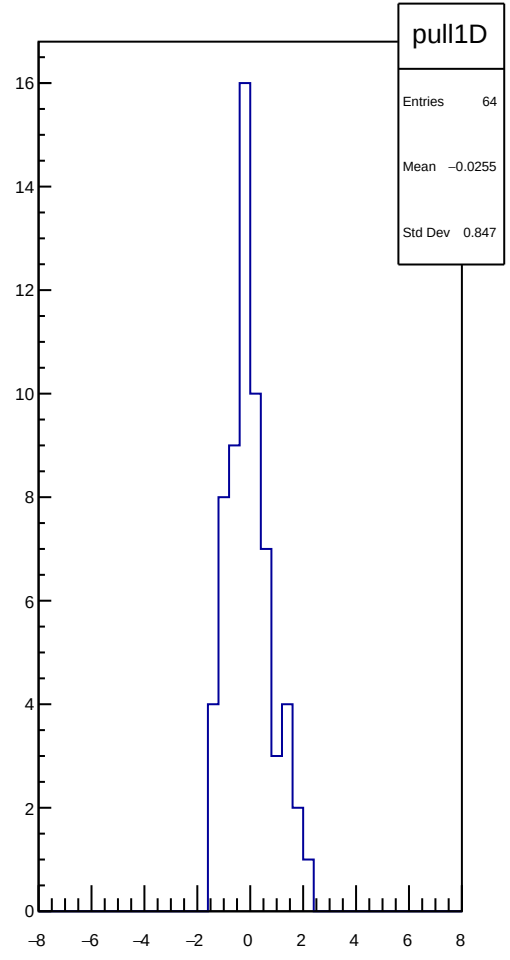

asym_at2_avg_rms vs run
χ² / ndf 2.588e+04 / 63
p0 1.032e+04 ± 9.421
15000
14000
13000
12000
11000
10000
9000
8000

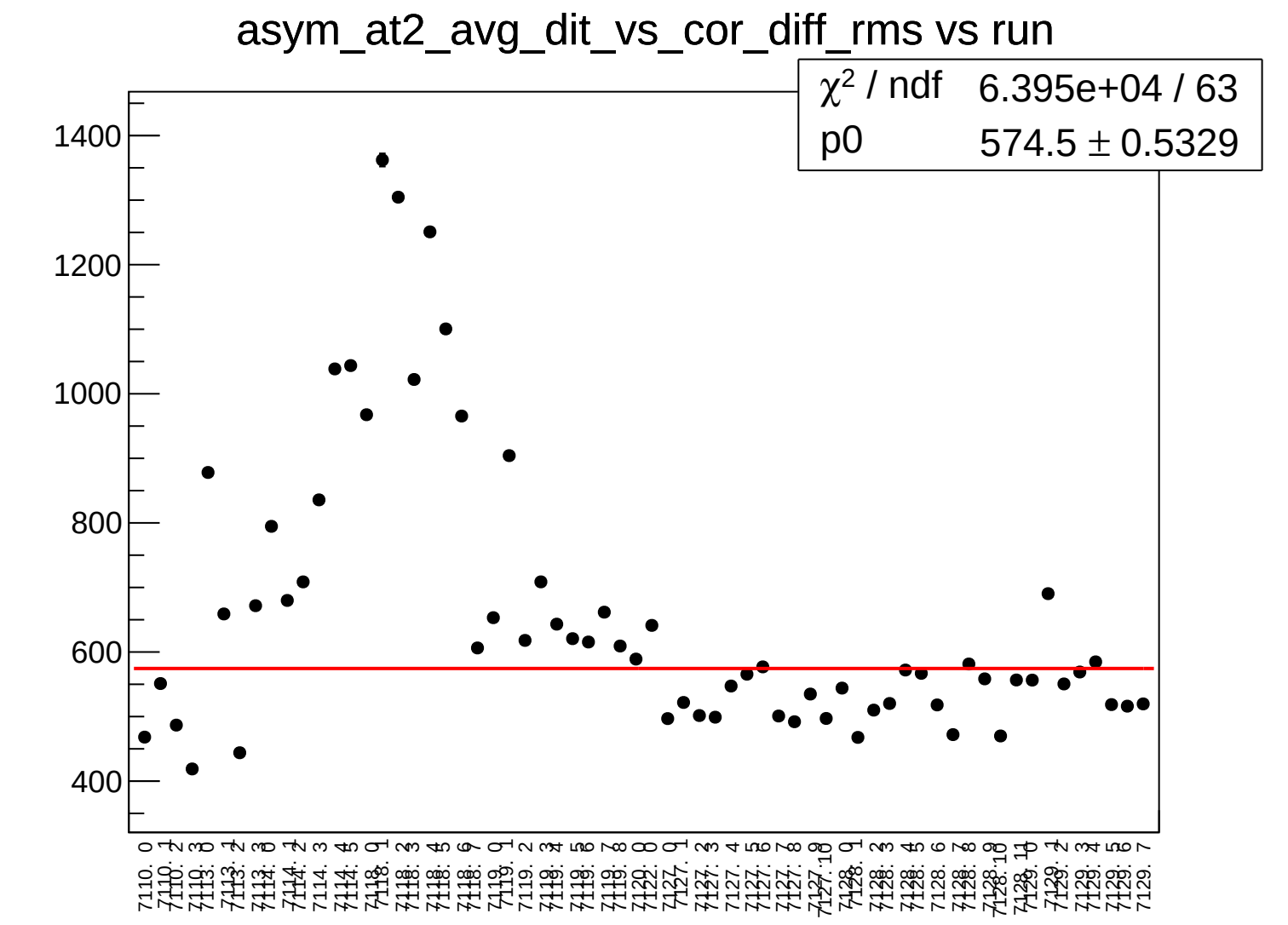

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.31 / 63
p0 −1.752e−13 ± 2.763e−13
pull
Entries 64
Mean −27.96
Std Dev 0

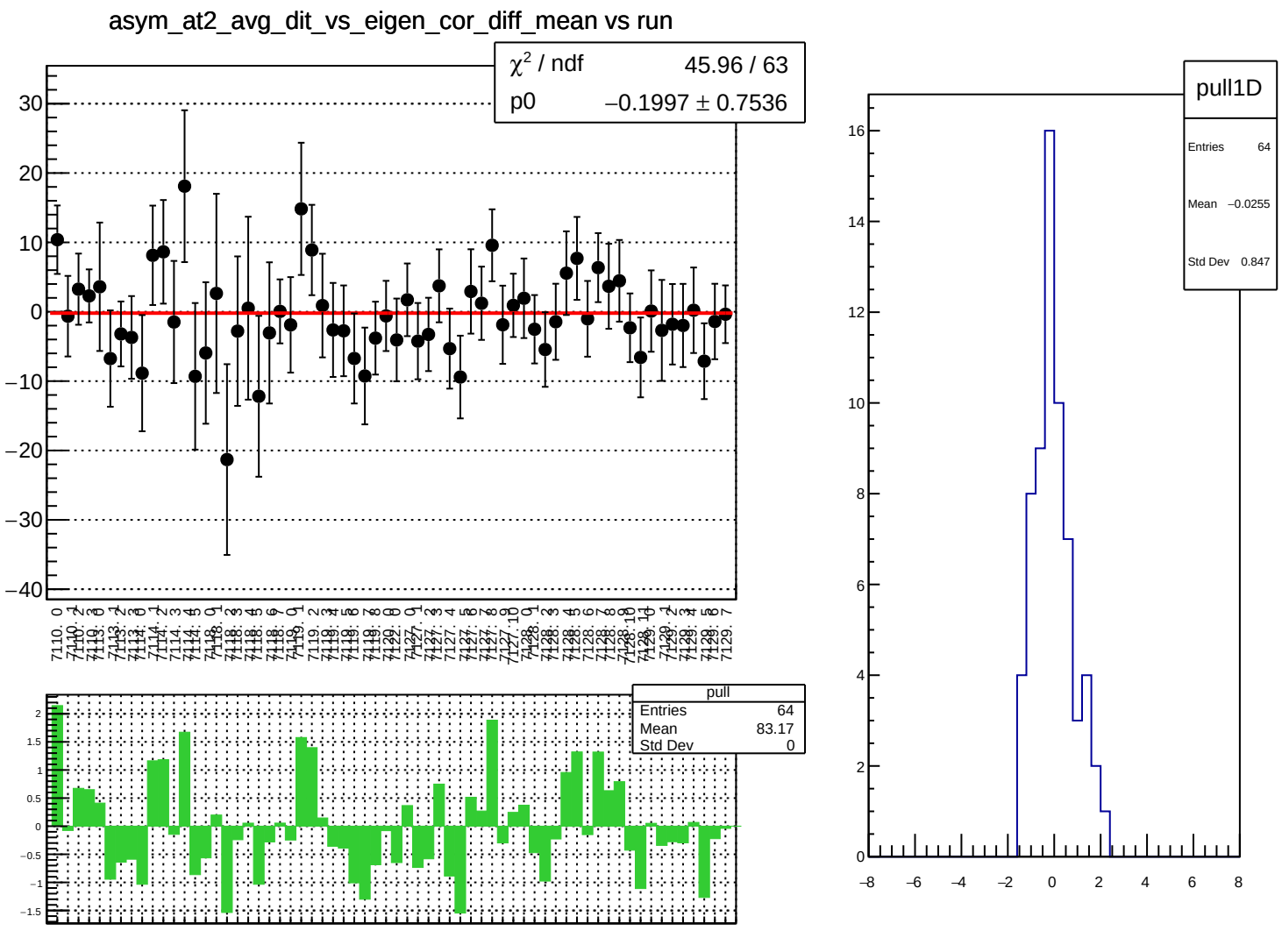

pull1D
Entries 64
Mean −0.07076
Std Dev 0.9099

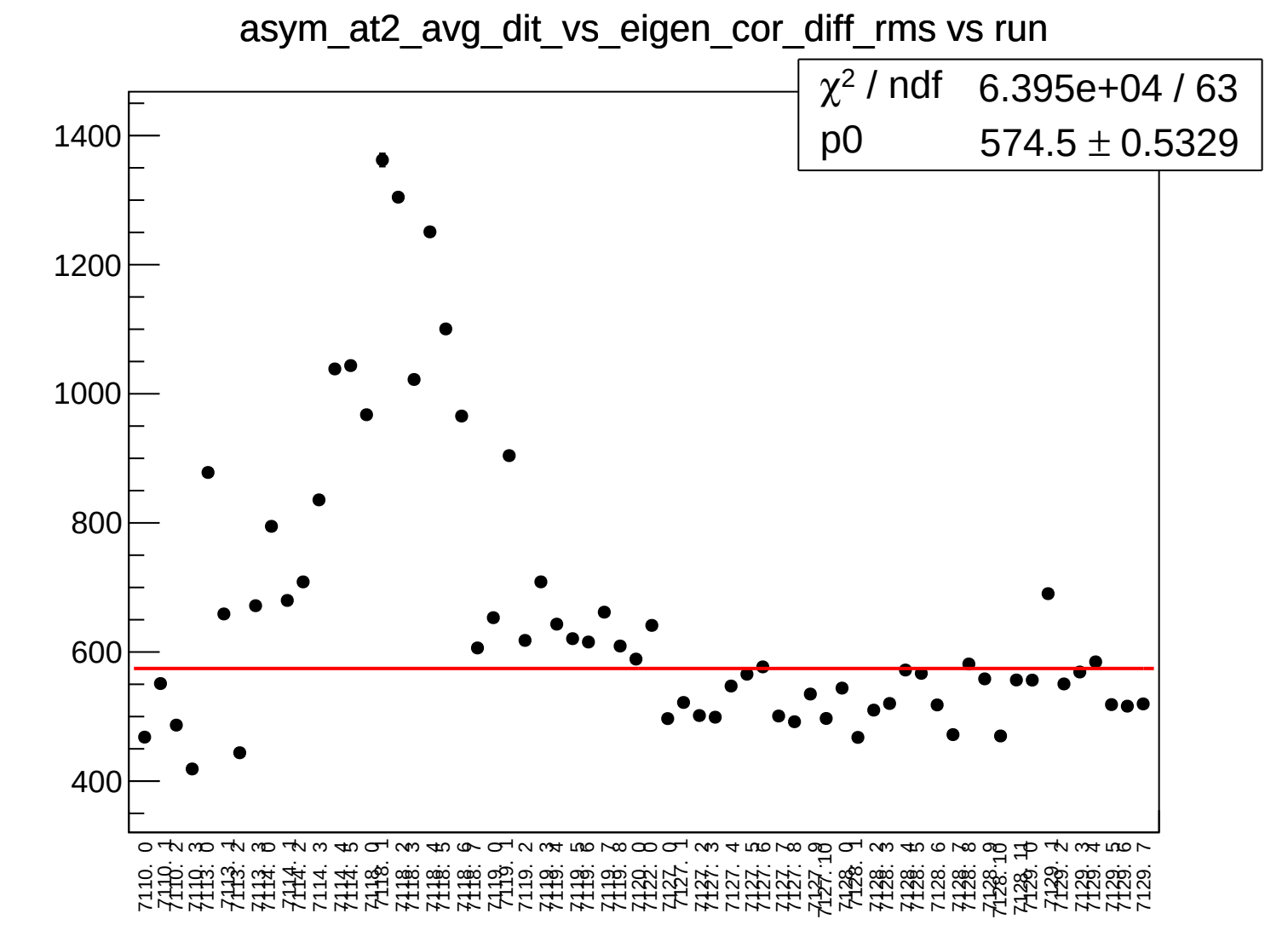

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.058e+05 / 63
p0 1.106e−10 ± 1.953e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7110. 3
7110. 4
7113. 1
7113. 2
7113. 3
7113. 4
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

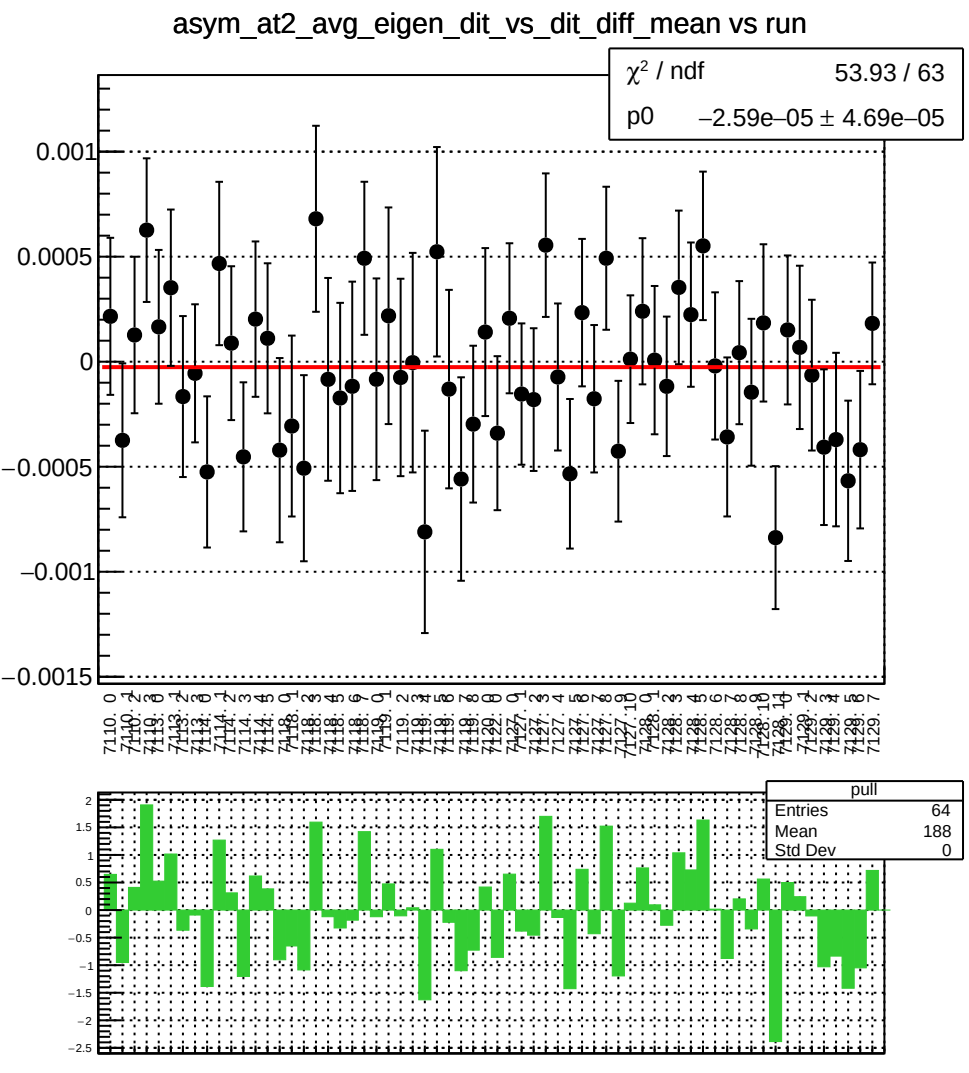

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.96 / 63
p0 −0.1997 ± 0.7536
pull
Entries 64
Mean 83.17
Std Dev 0

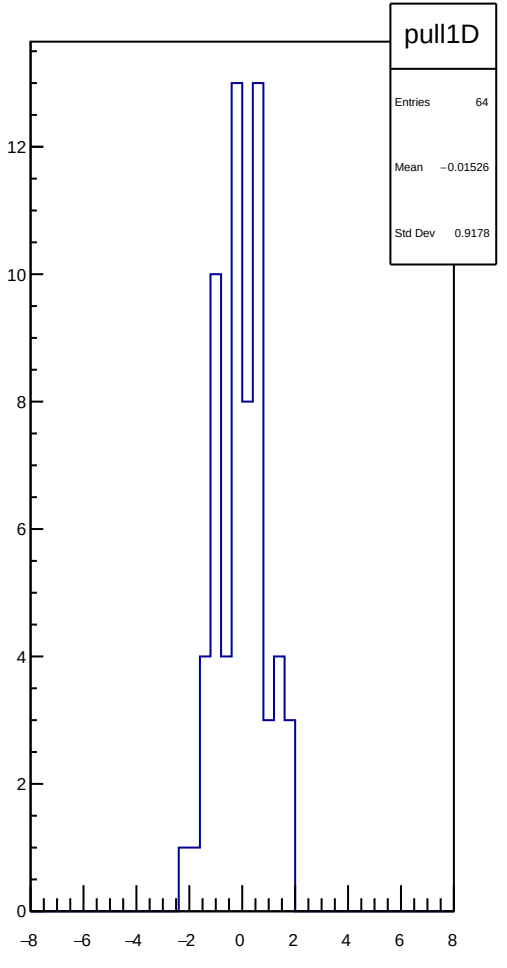

pull1D
Entries 64
Mean −0.0255
Std Dev 0.847

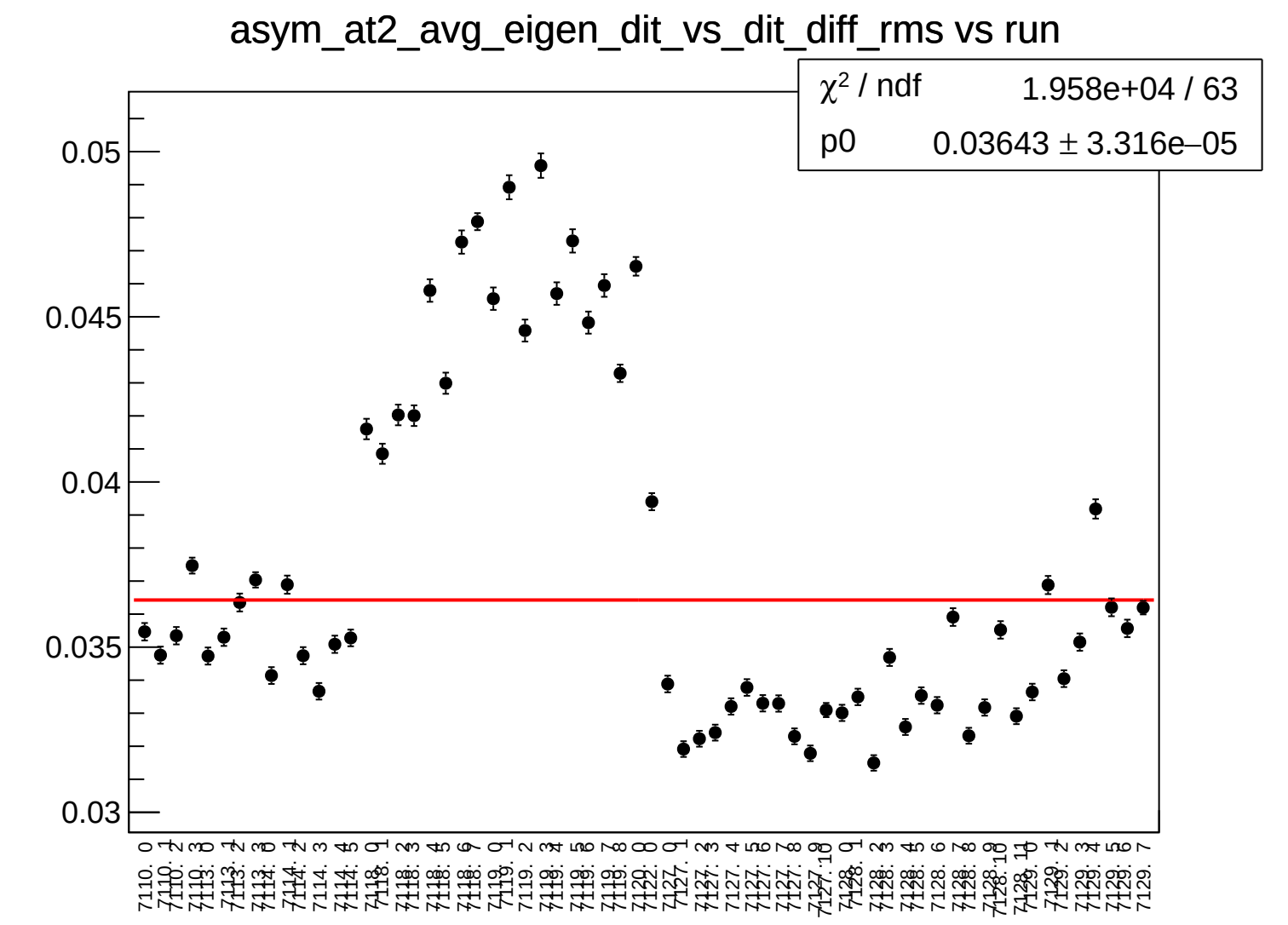

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.395e+04 / 63
p0 574.5 ± 0.5329
1400
1200
1000
800
600
400

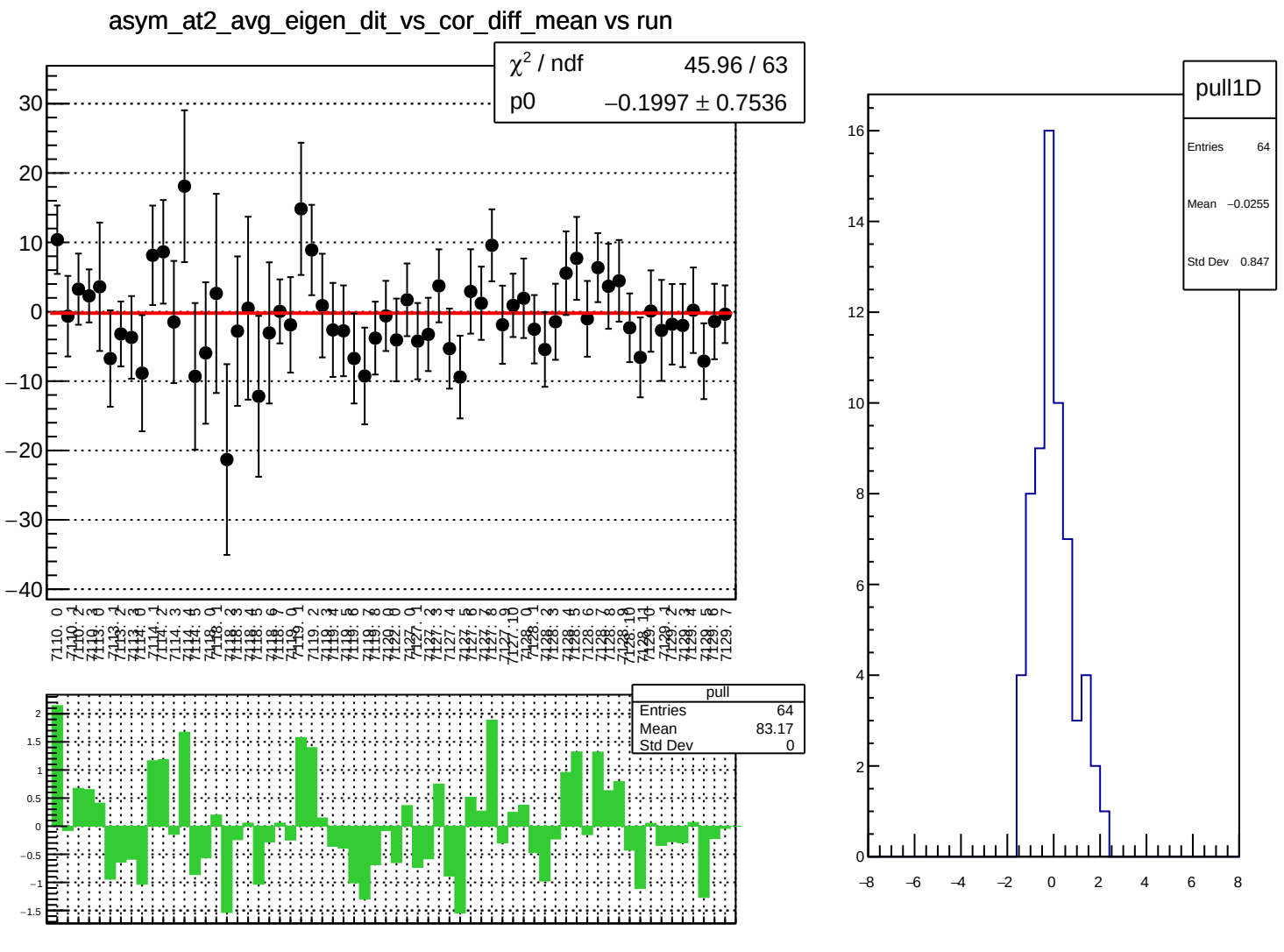

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.96 / 63
p0 −0.1997 ± 0.7536
pull
Entries 64
Mean 83.17
Std Dev 0
pull1D
Entries 64
Mean −0.0255
Std Dev 0.847

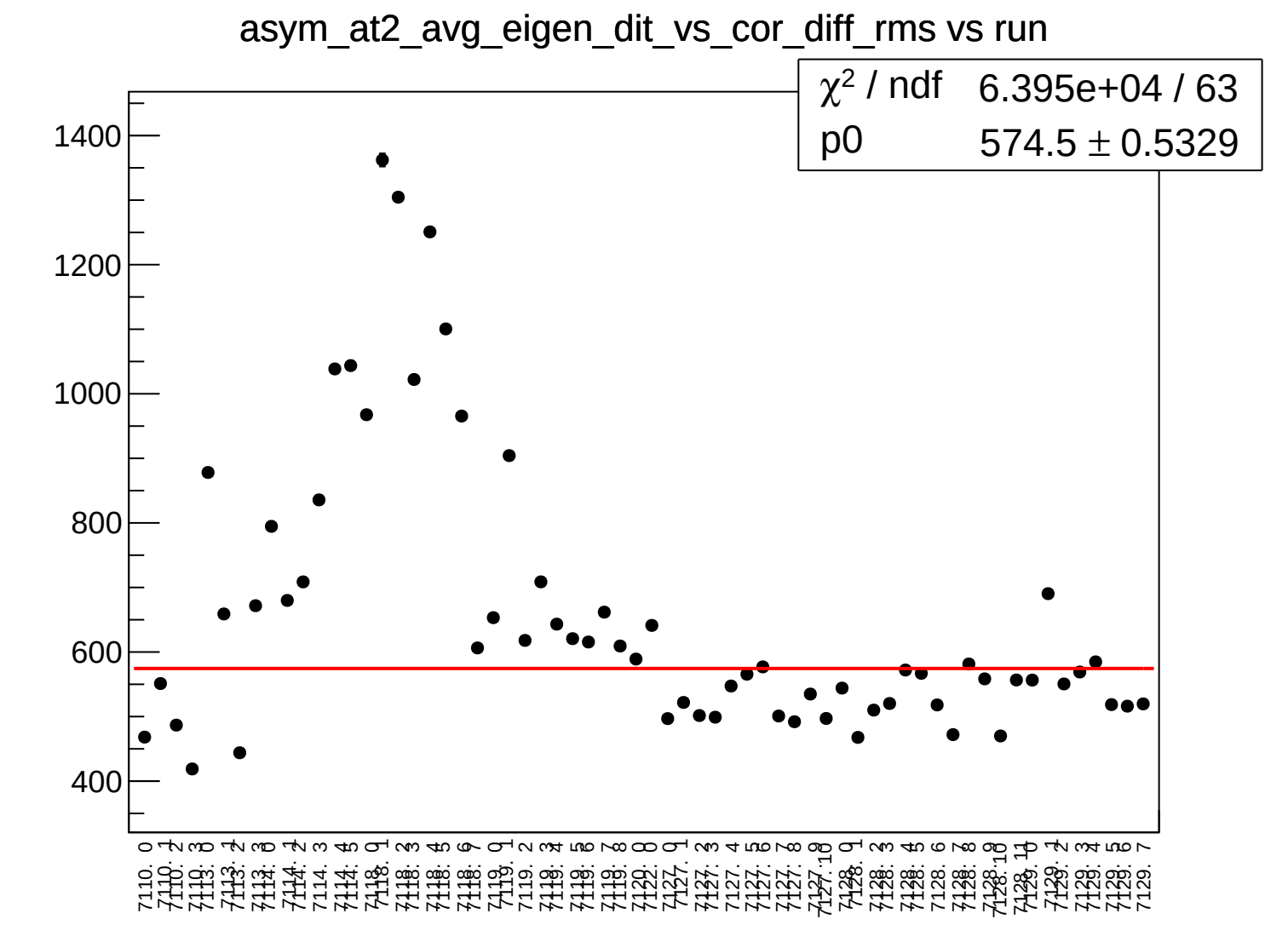

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.395e+04 / 63
p0 574.5 ± 0.5329
1400
1200
1000
800
600
400

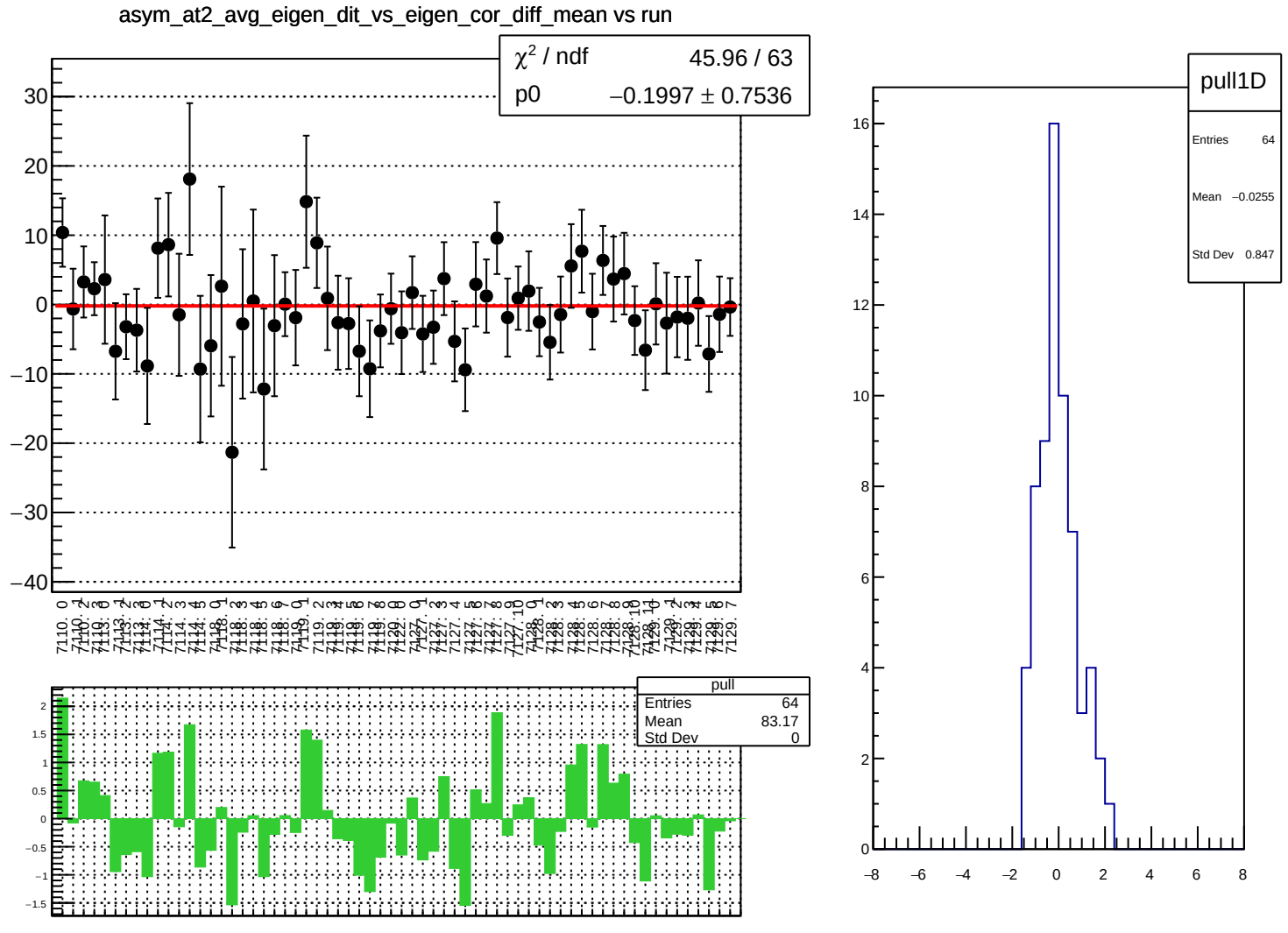

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.93 / 63
p0 −2.59e−05 ± 4.69e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 64
Mean 188
Std Dev 0

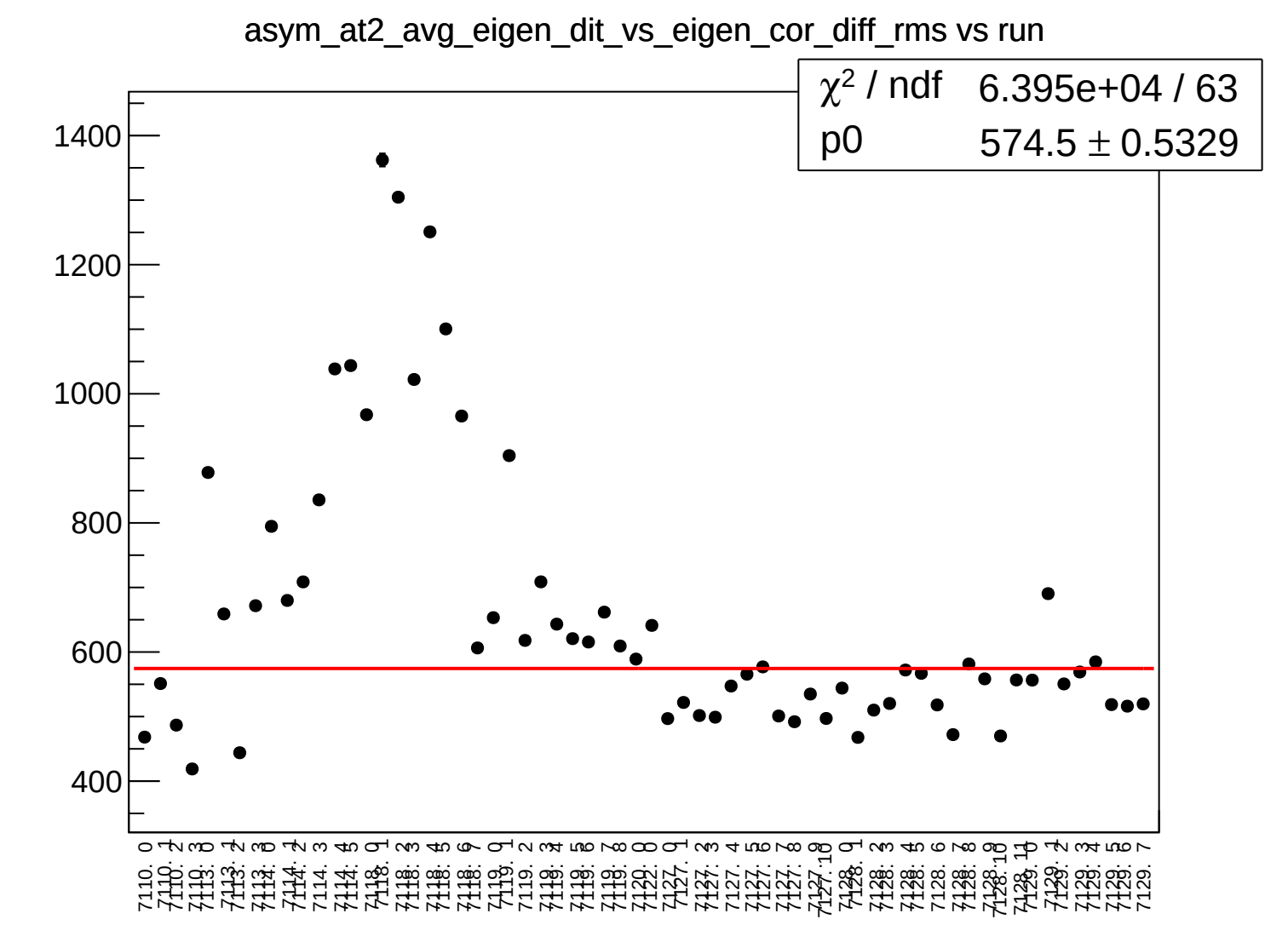

pull1D
Entries 64
Mean −0.01526
Std Dev 0.9178
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

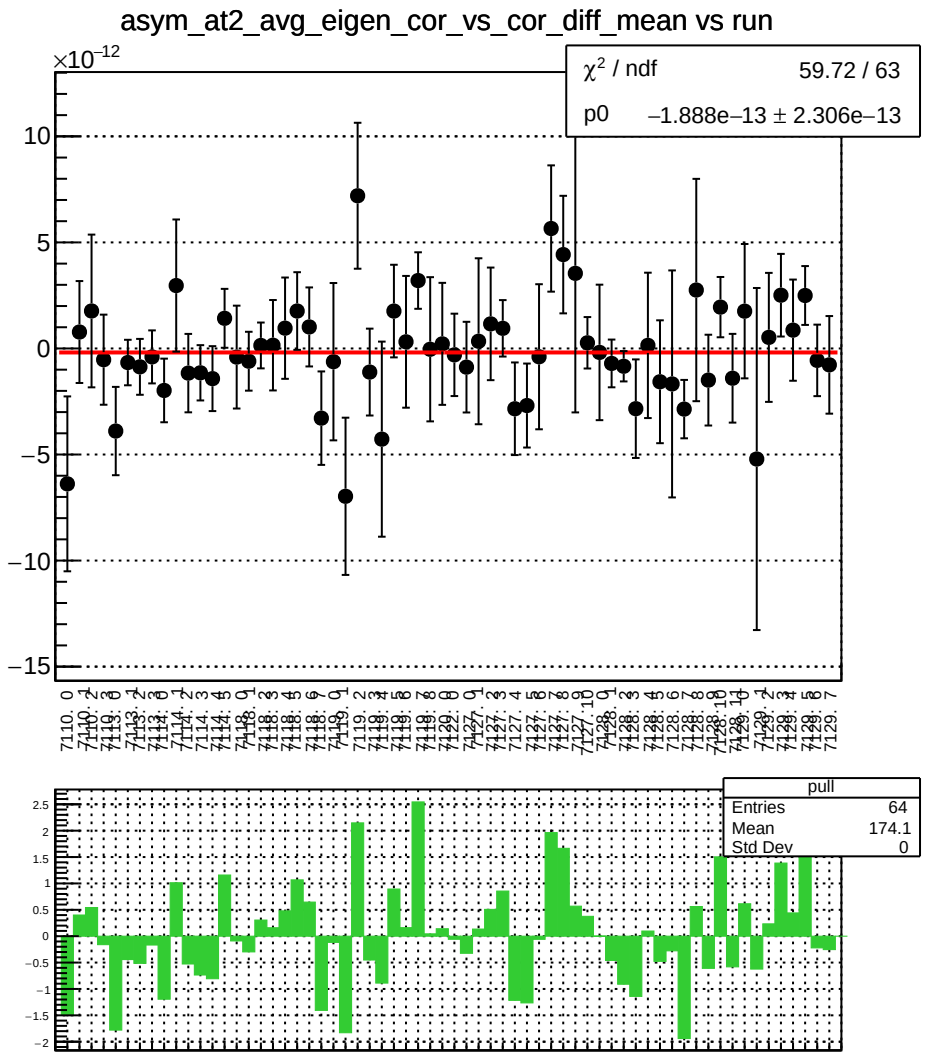

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.958e+04 / 63
p0 0.03643 ± 3.316e–05
0.05
0.045
0.04
0.035
0.03

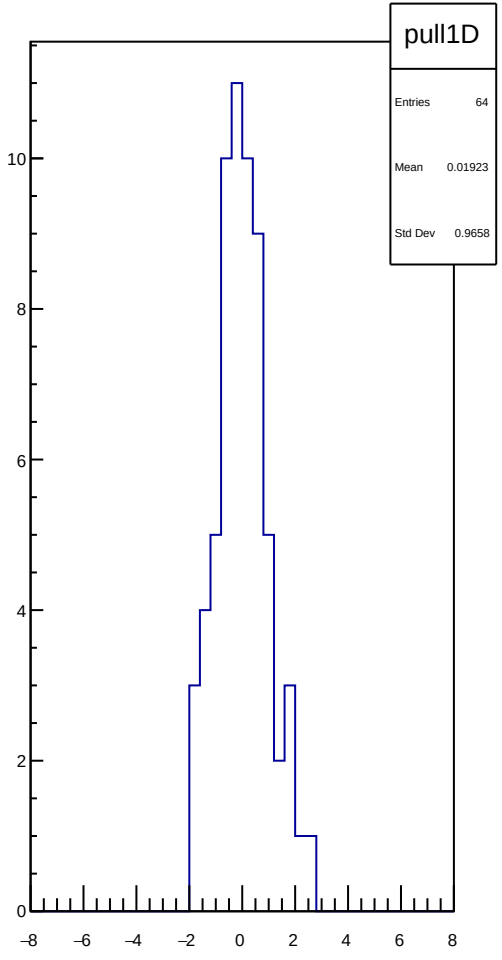

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.96 / 63
p0 −0.1997 ± 0.7536
pull
Entries 64
Mean 83.17
Std Dev 0
pull1D
Entries 64
Mean −0.0255
Std Dev 0.847

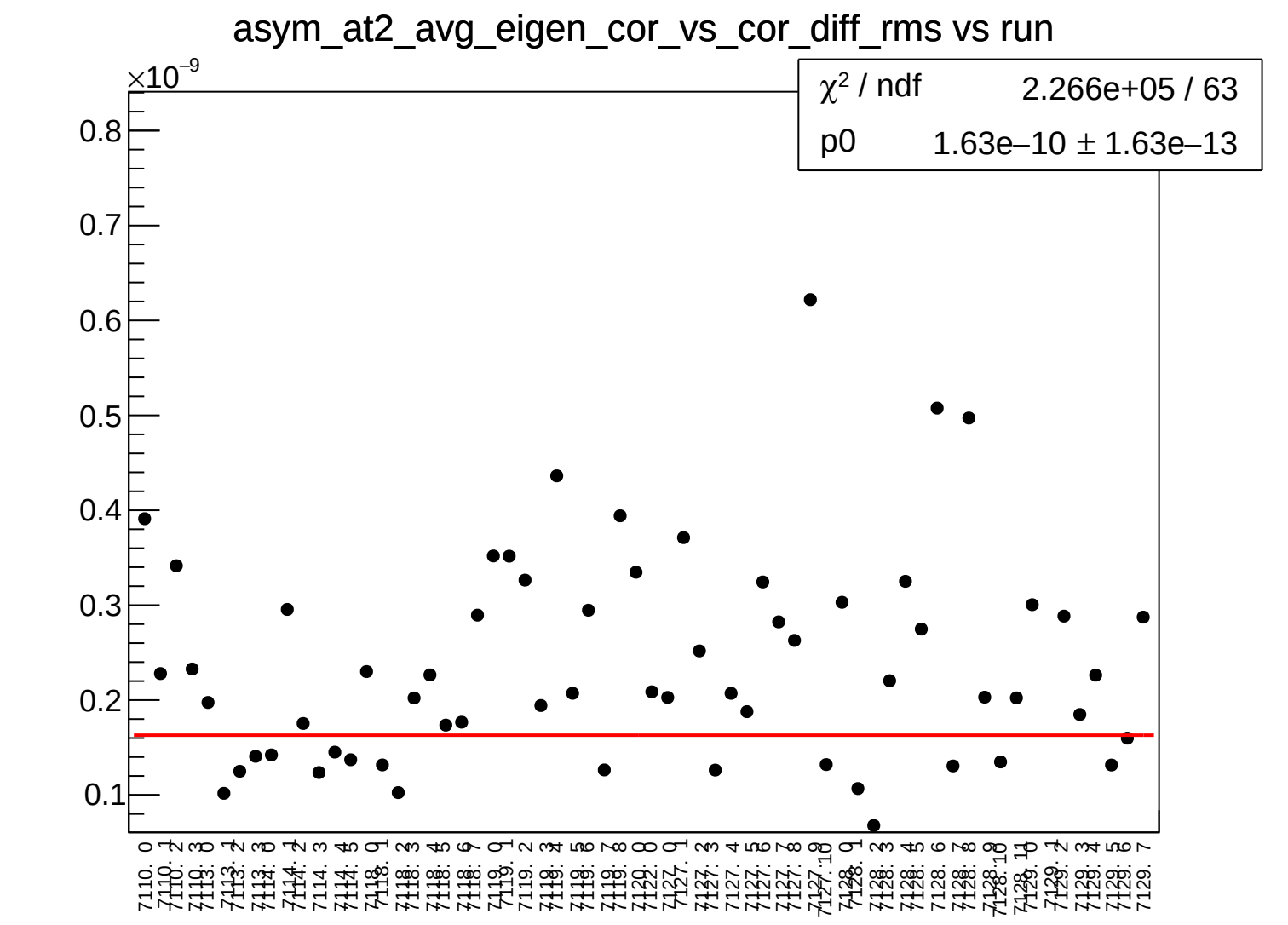

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.395e+04 / 63
p0 574.5 ± 0.5329
1400
1200
1000
800
600
400

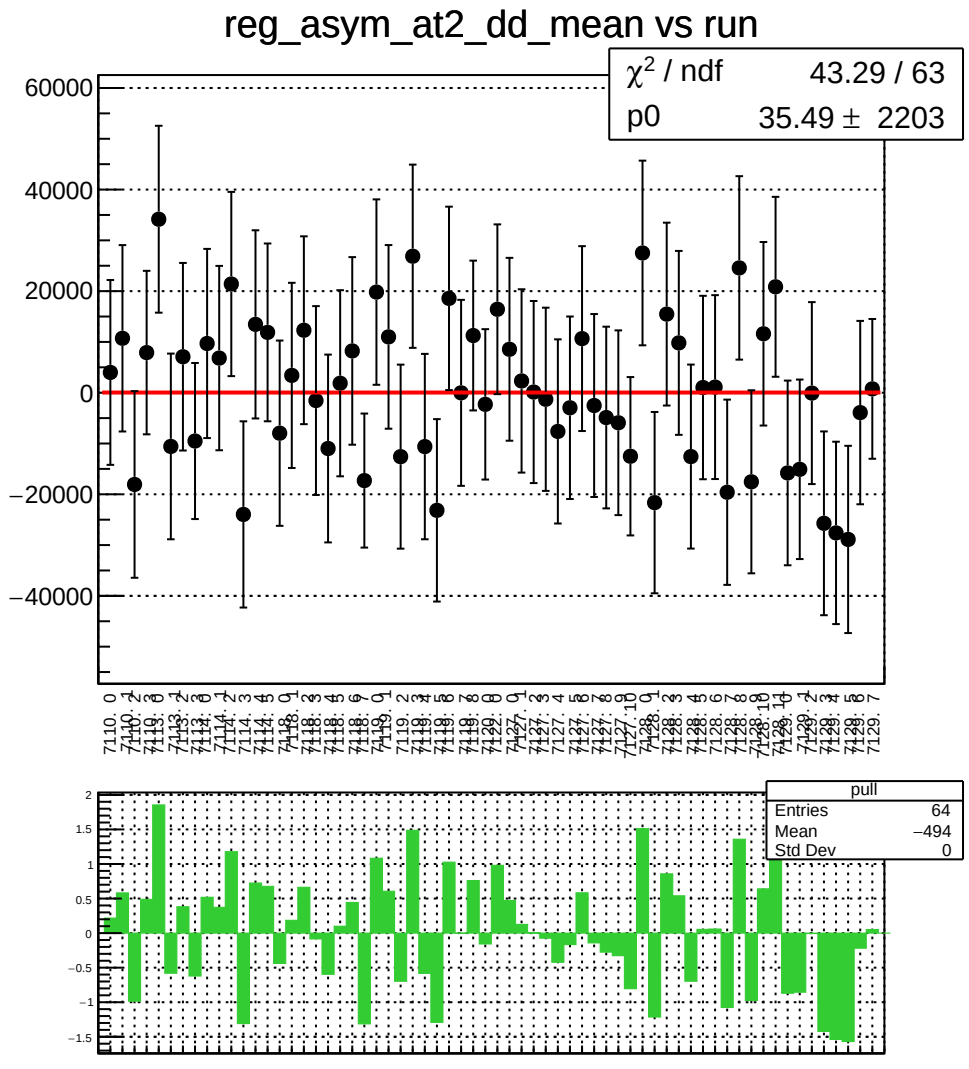

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.96 / 63
p0 −0.1997 ± 0.7536
pull
Entries 64
Mean 83.17
Std Dev 0
pull1D
Entries 64
Mean −0.0255
Std Dev 0.847

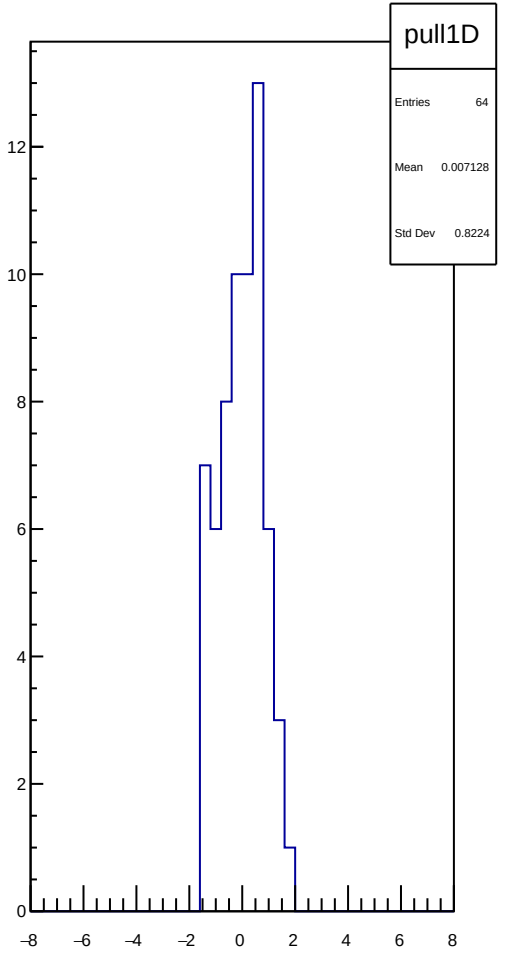

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.395e+04 / 63
p0 574.5 ± 0.5329
1400
1200
1000
800
600
400

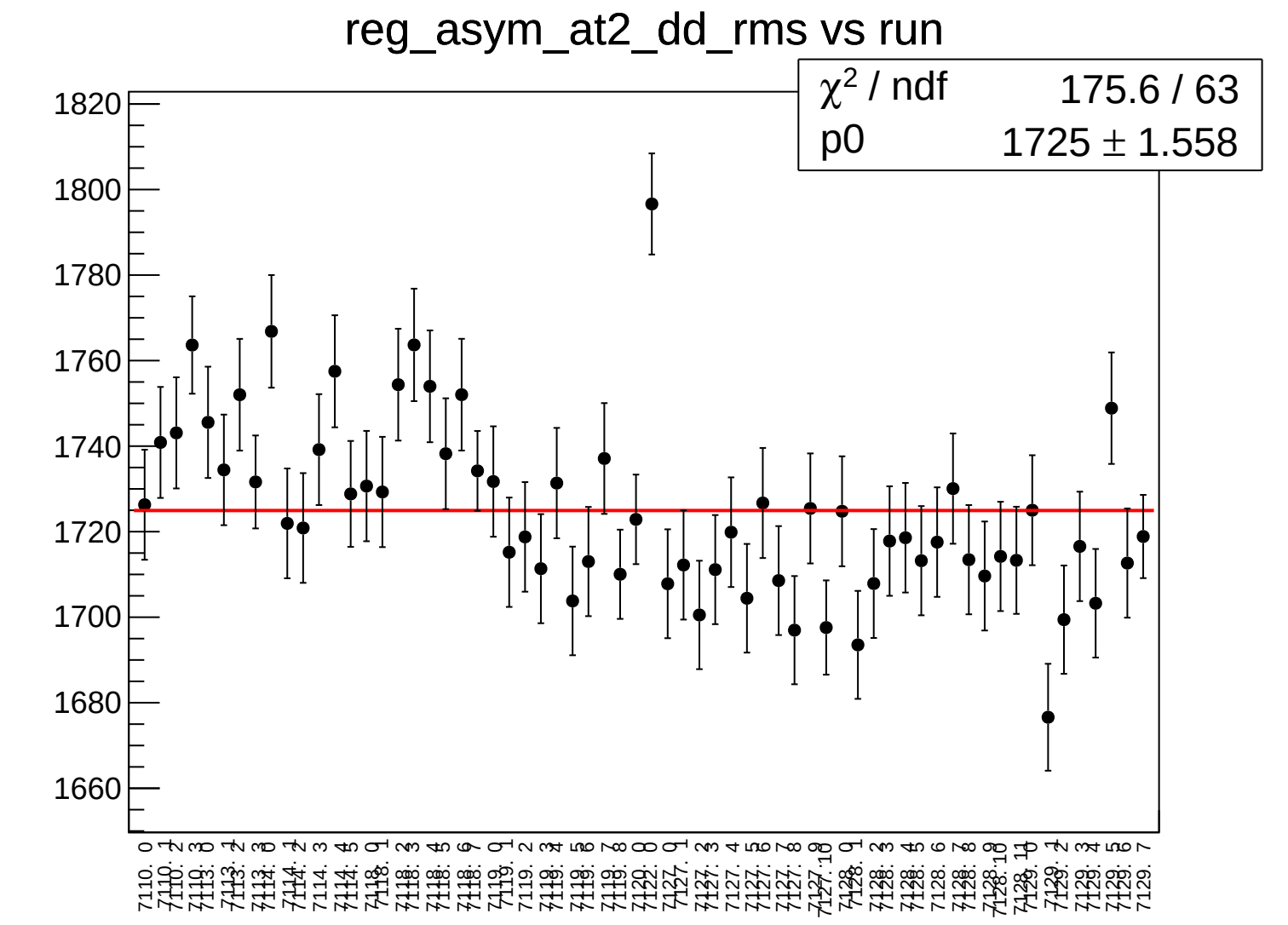

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.72 / 63
p0 −1.888e−13 ± 2.306e−13
pull
Entries 64
Mean 174.1
Std Dev 0

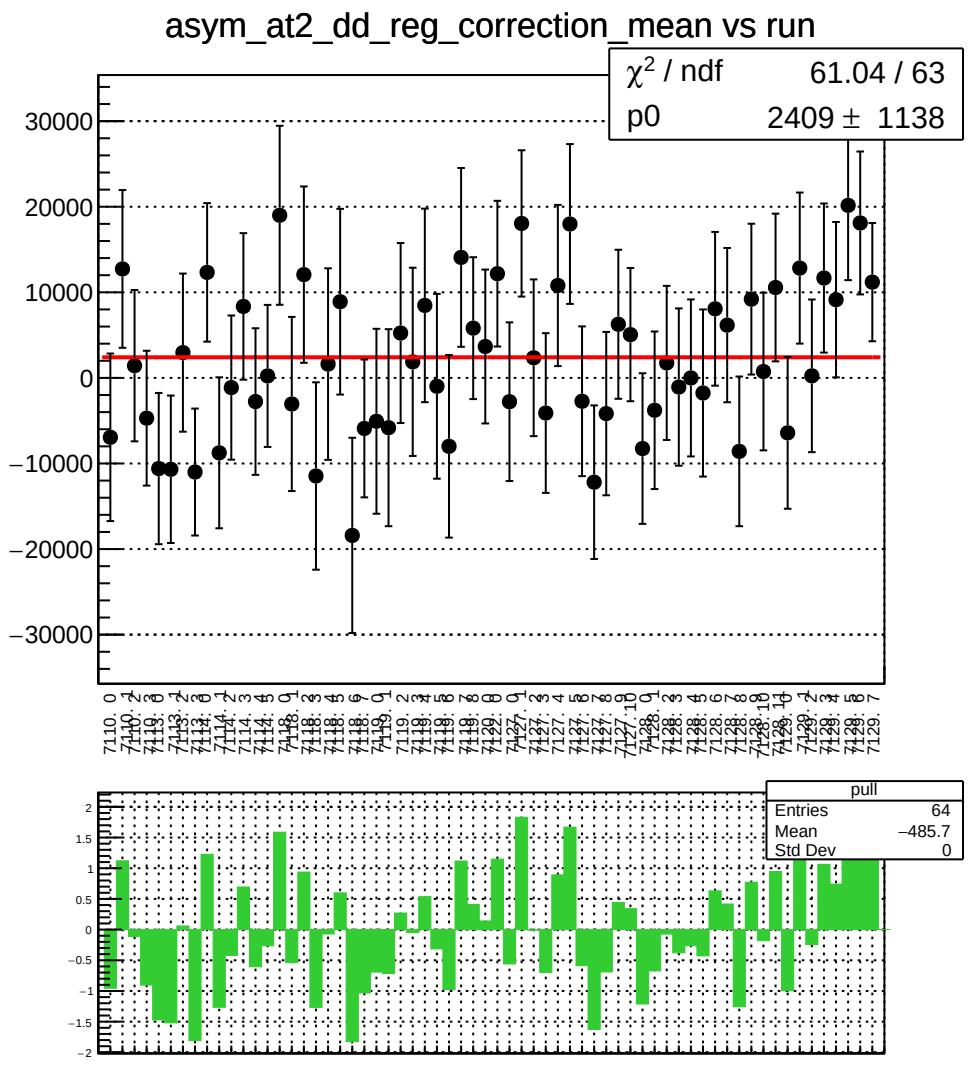

pull1D
Entries 64
Mean 0.01923
Std Dev 0.9658

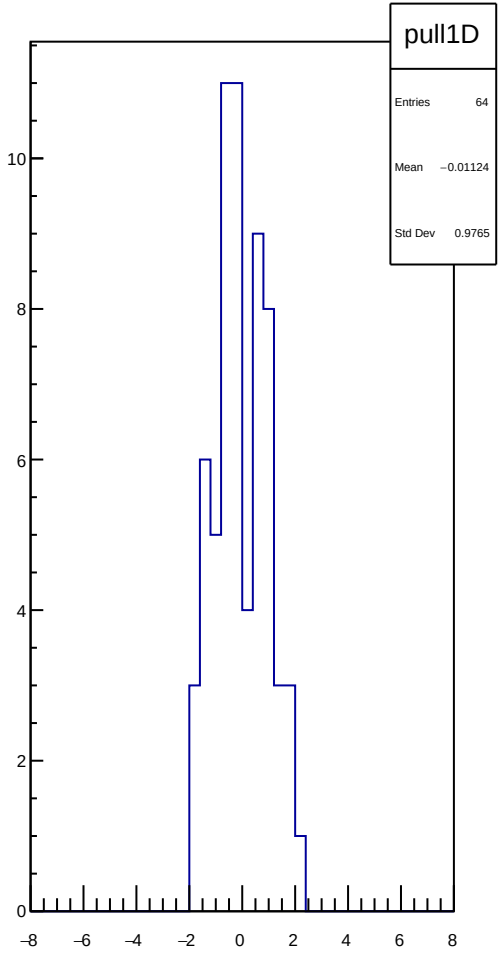

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.266e+05 / 63
p0 1.63e−10 ± 1.63e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

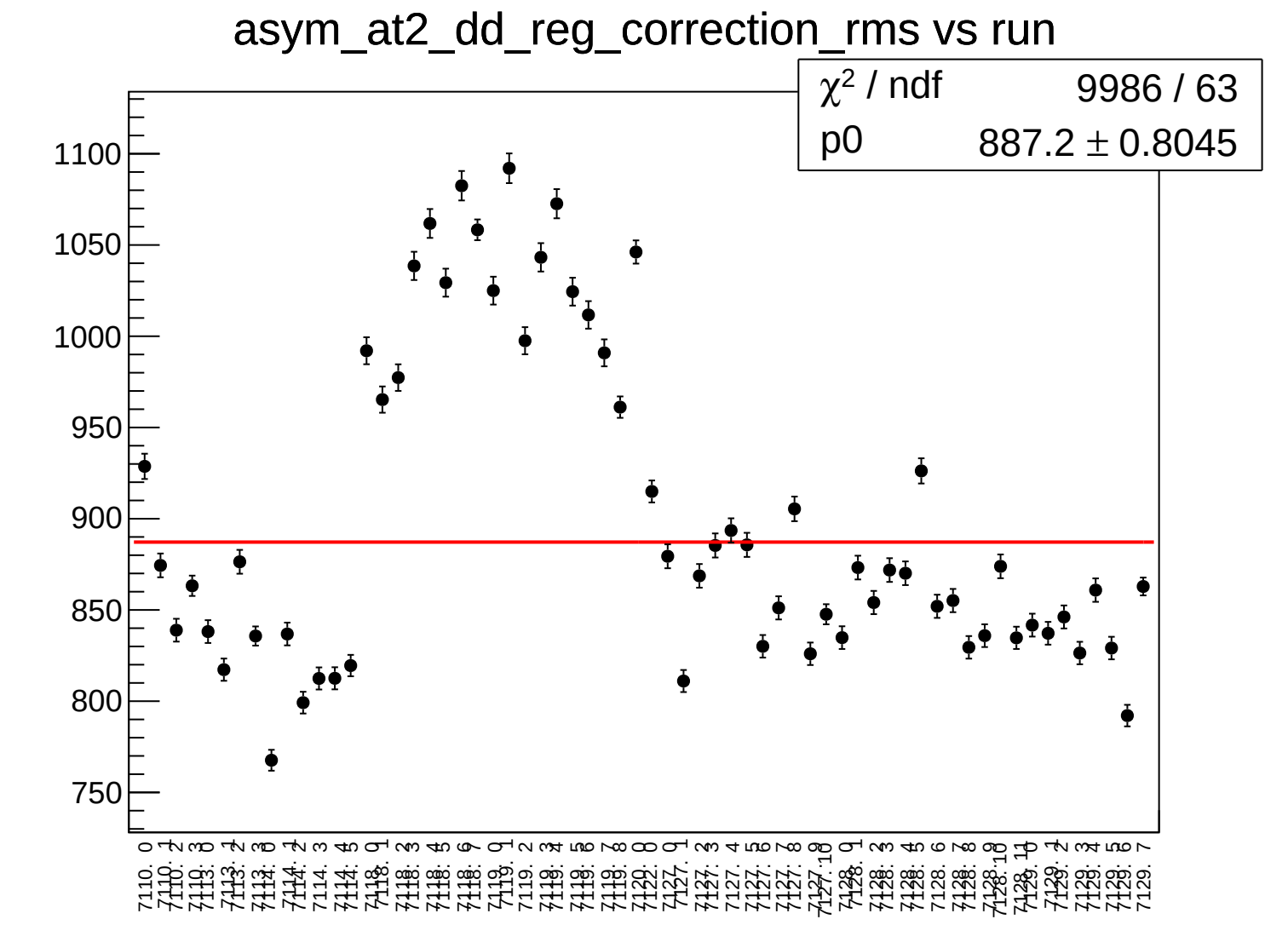

reg_asym_at2_dd_mean vs run
χ² / ndf 43.29 / 63
p0 35.49 ± 2203
pull
Entries 64
Mean −494
Std Dev 0

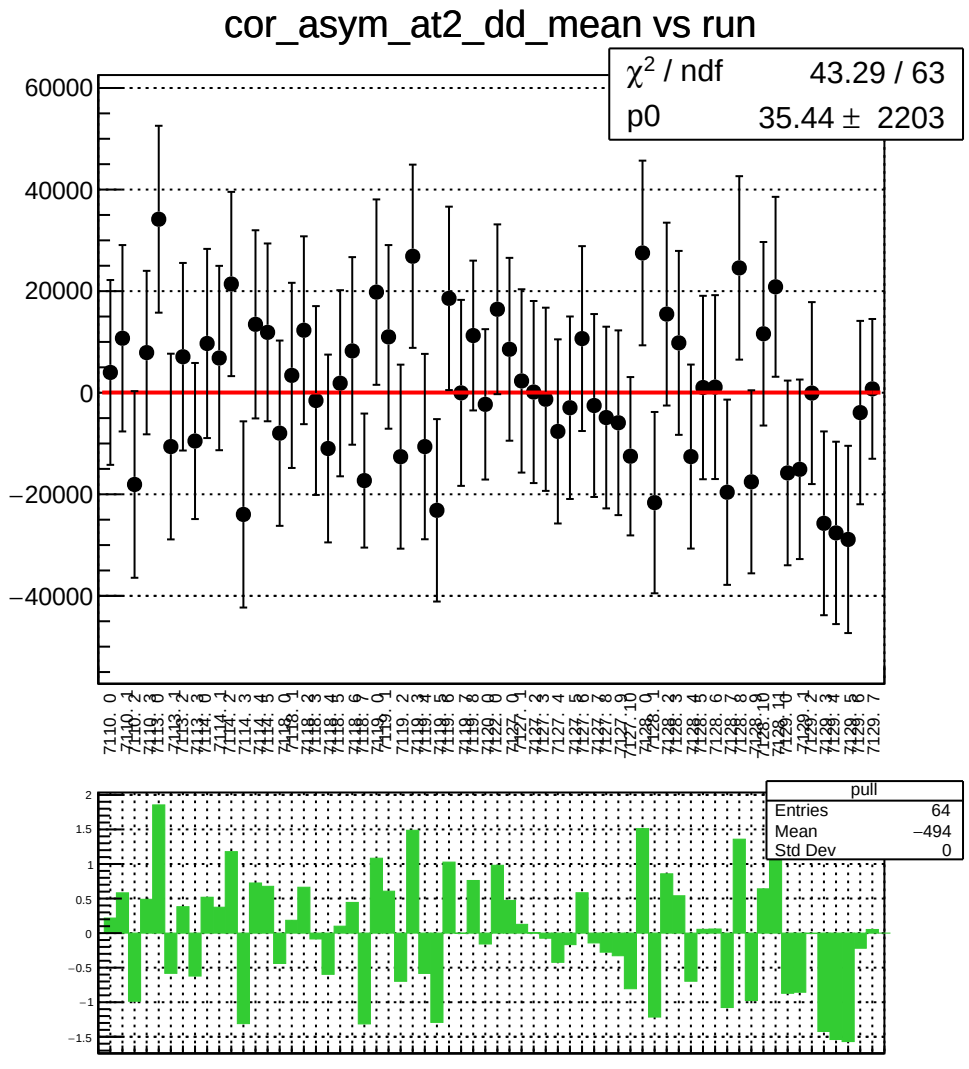

pull1D
Entries 64
Mean 0.007128
Std Dev 0.8224

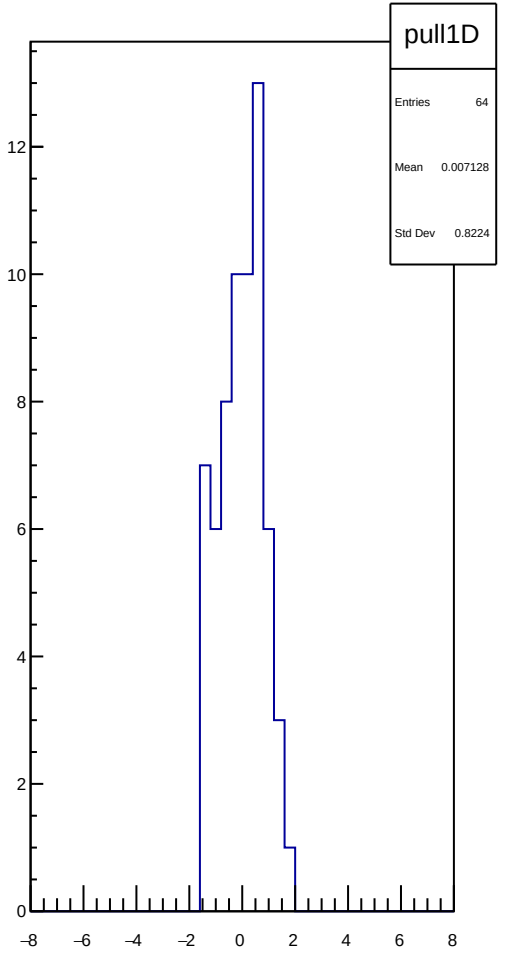

reg_asym_at2_dd_rms vs run
χ^2 / ndf 175.6 / 63
p0 1725 ± 1.558
1820
1800
1780
1760
1740
1720
1700
1680
1660

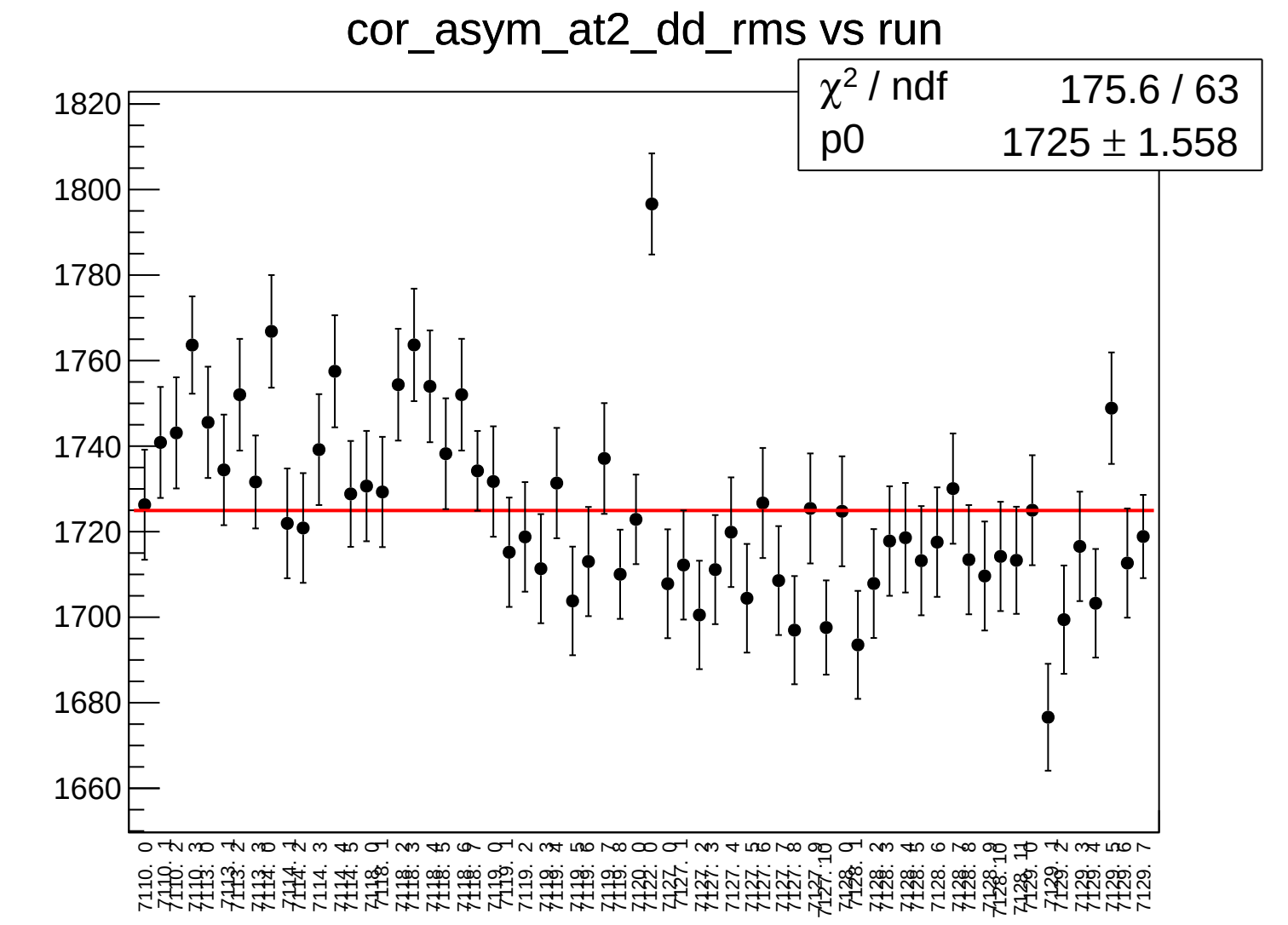

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 61.04 / 63
p0 2409 ± 1138
pull
Entries 64
Mean −485.7
Std Dev 0

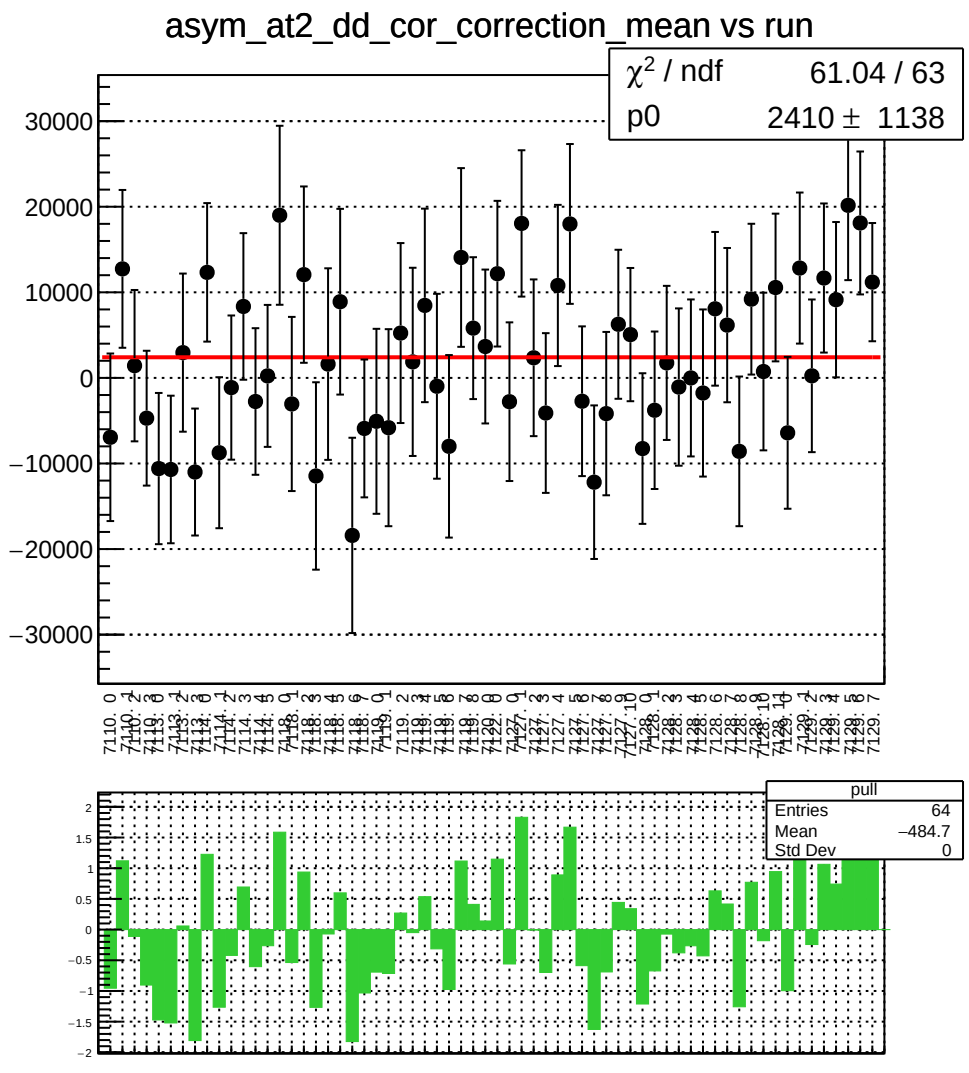

pull1D
Entries 64
Mean −0.01124
Std Dev 0.9765

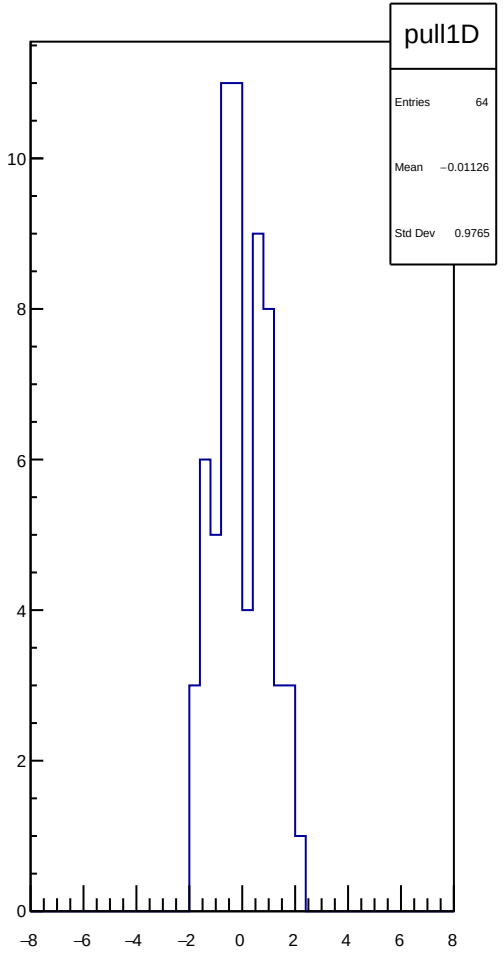

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 9986 / 63
p0 887.2 ± 0.8045
1100
1050
1000
950
900
850
800
750
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

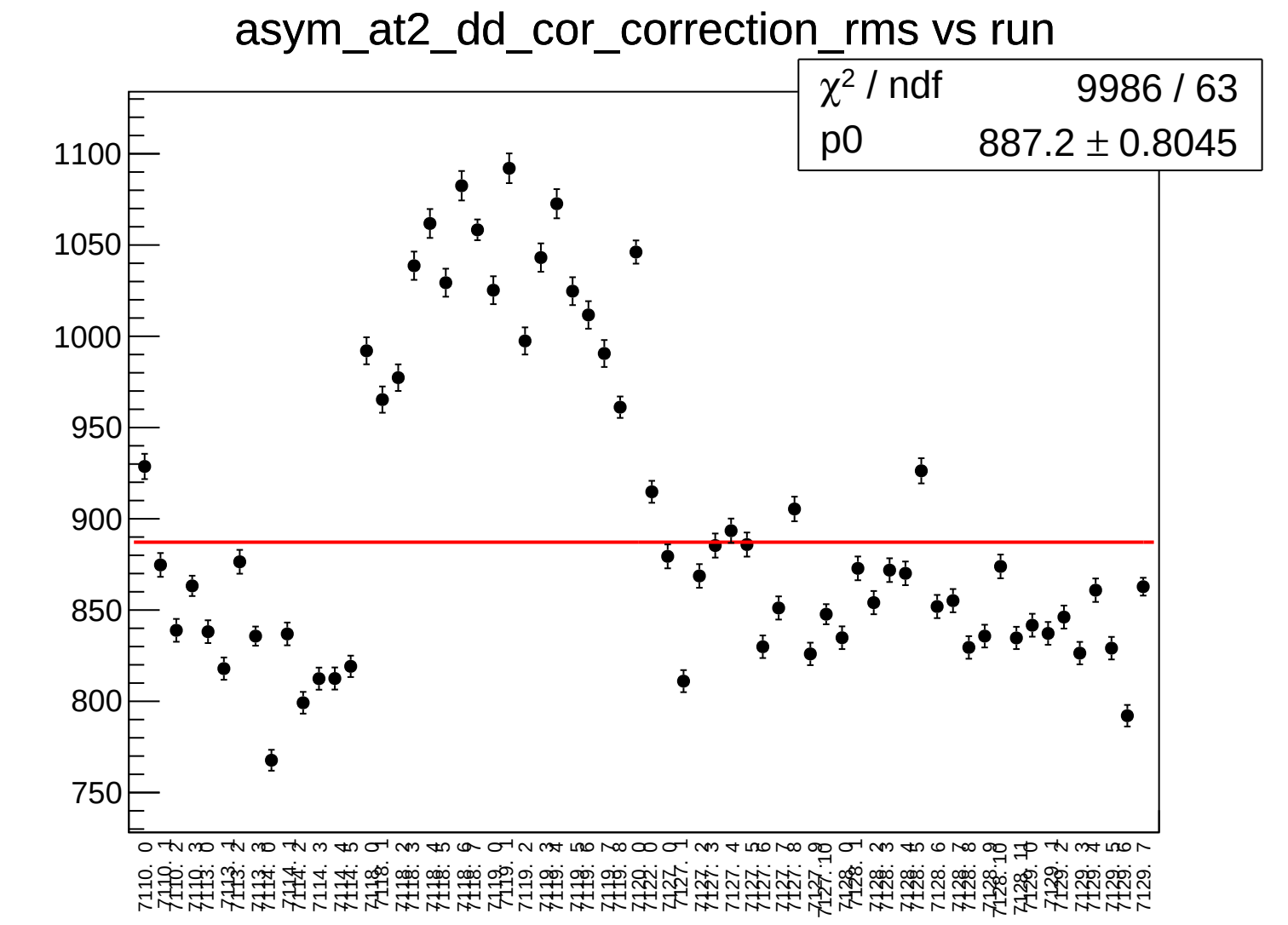

cor_asym_at2_dd_mean vs run
χ^2 / ndf 43.29 / 63
p0 35.44 ± 2203
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −494
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

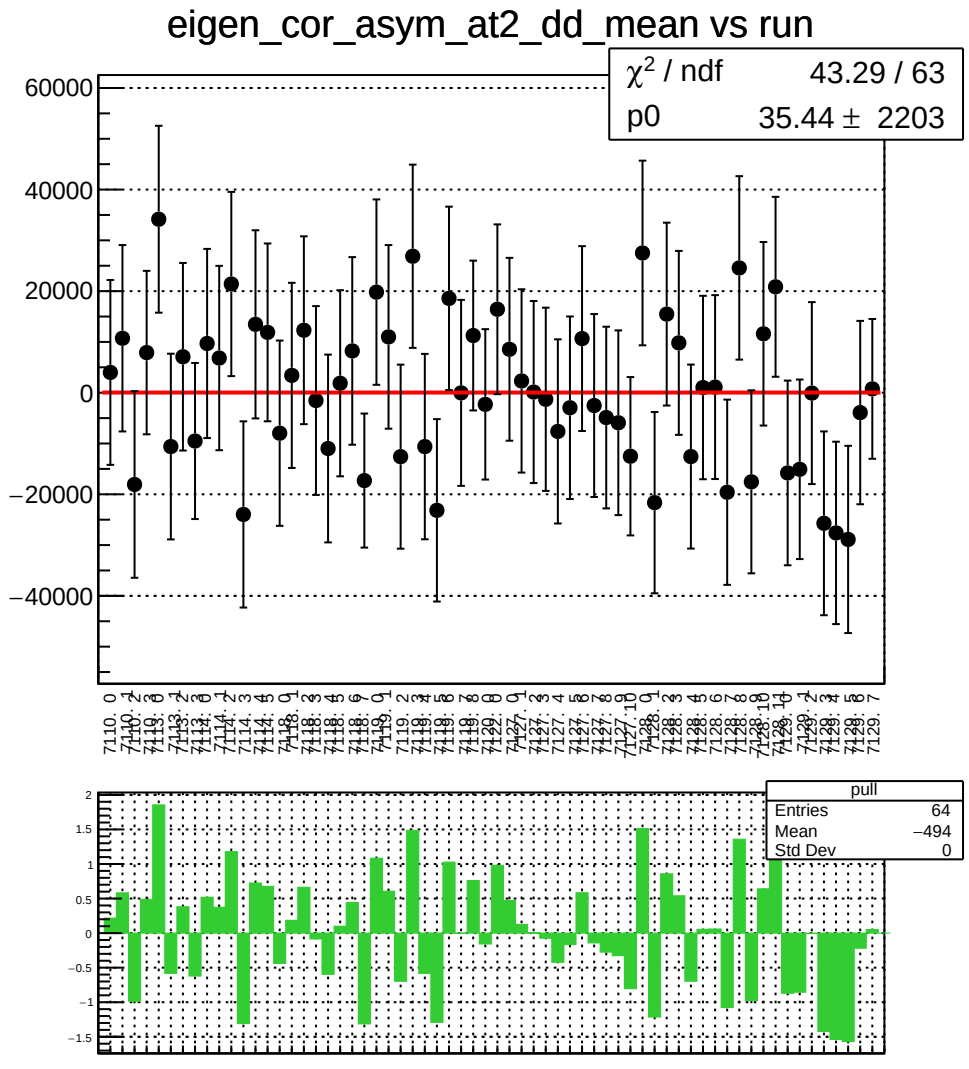

pull1D
Entries 64
Mean 0.007128
Std Dev 0.8224
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

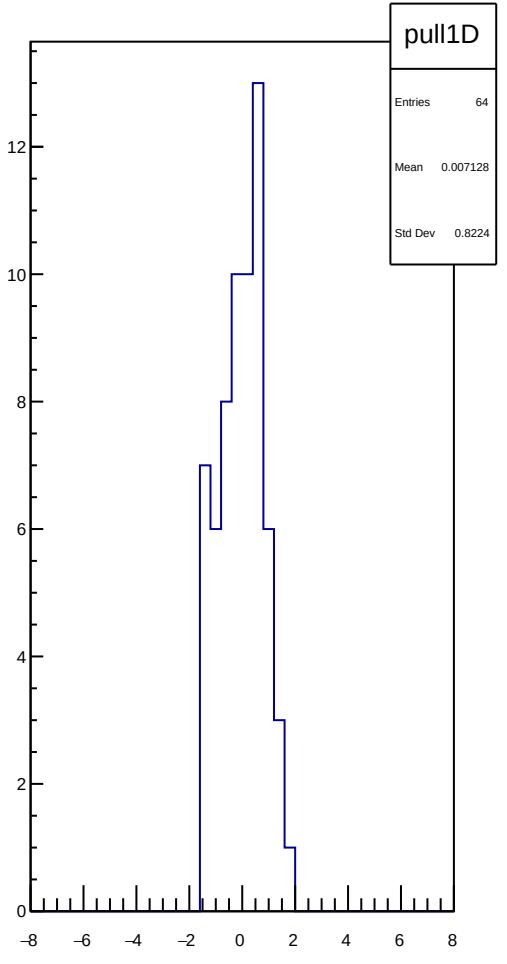

cor_asym_at2_dd_rms vs run
χ² / ndf 175.6 / 63
p0 1725 ± 1.558
1820
1800
1780
1760
1740
1720
1700
1680
1660

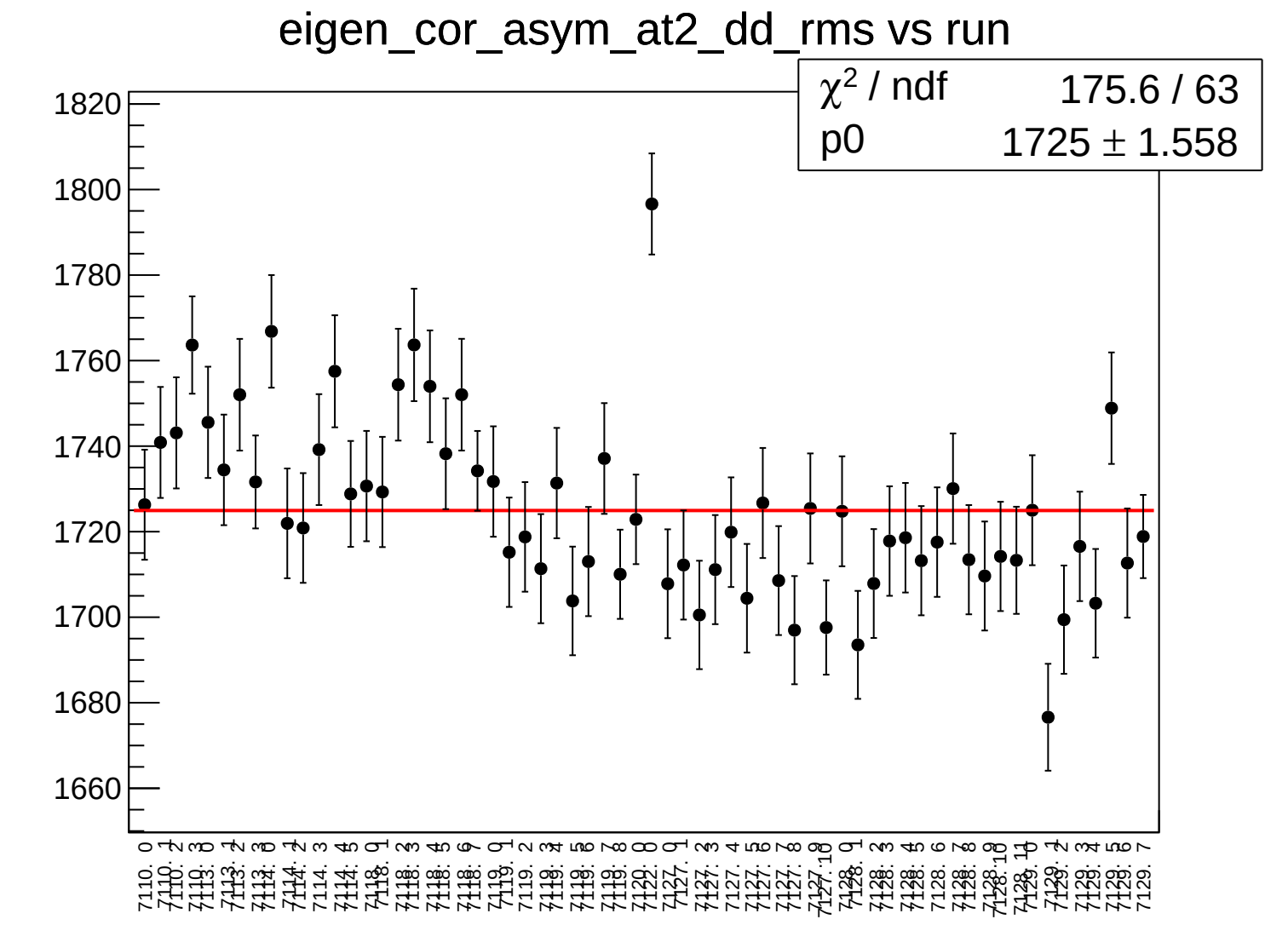

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 61.04 / 63
p0 2410 ± 1138
pull
Entries 64
Mean −484.7
Std Dev 0

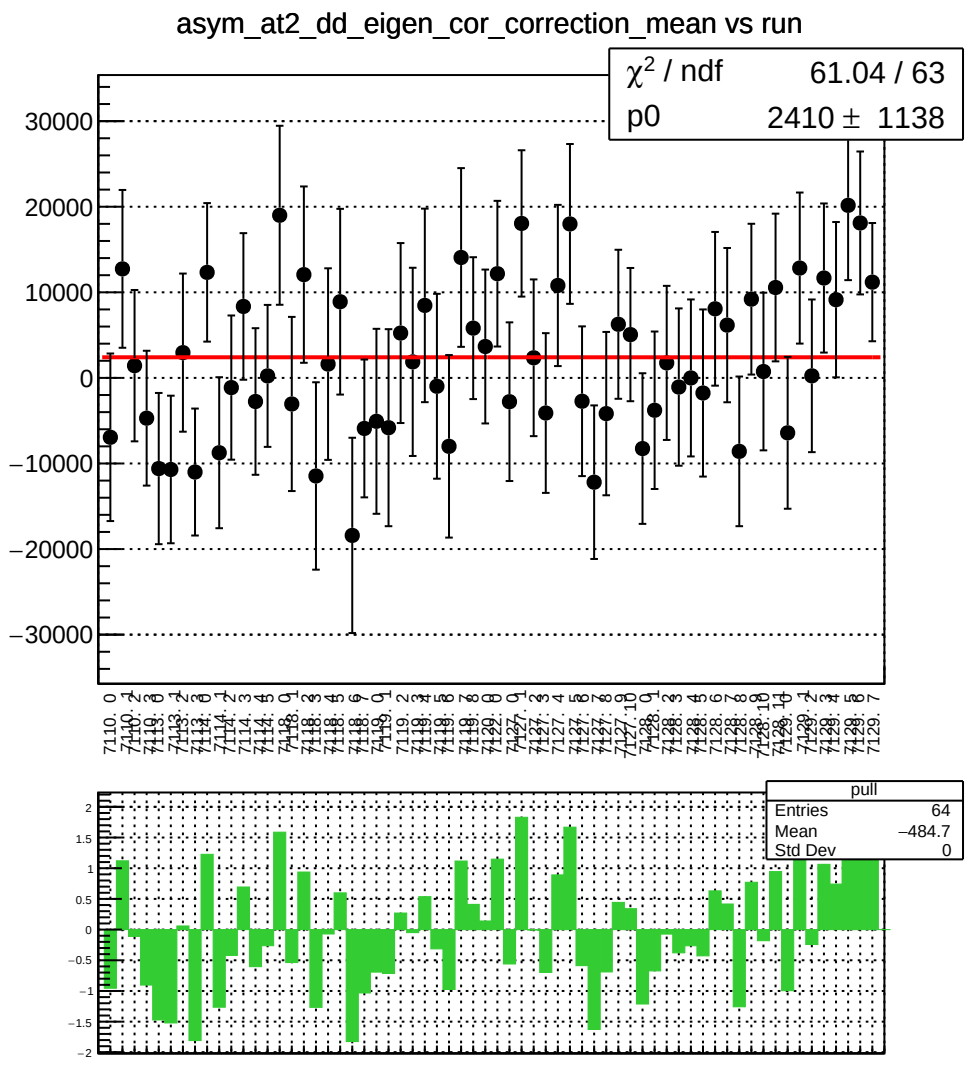

pull1D
Entries 64
Mean −0.01126
Std Dev 0.9765

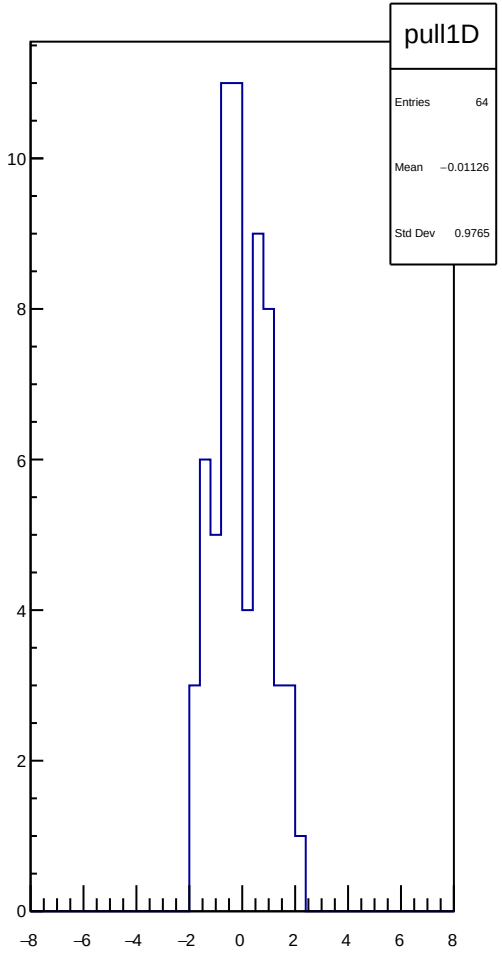

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 9986 / 63
p0 887.2 ± 0.8045
1100
1050
1000
950
900
850
800
750
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

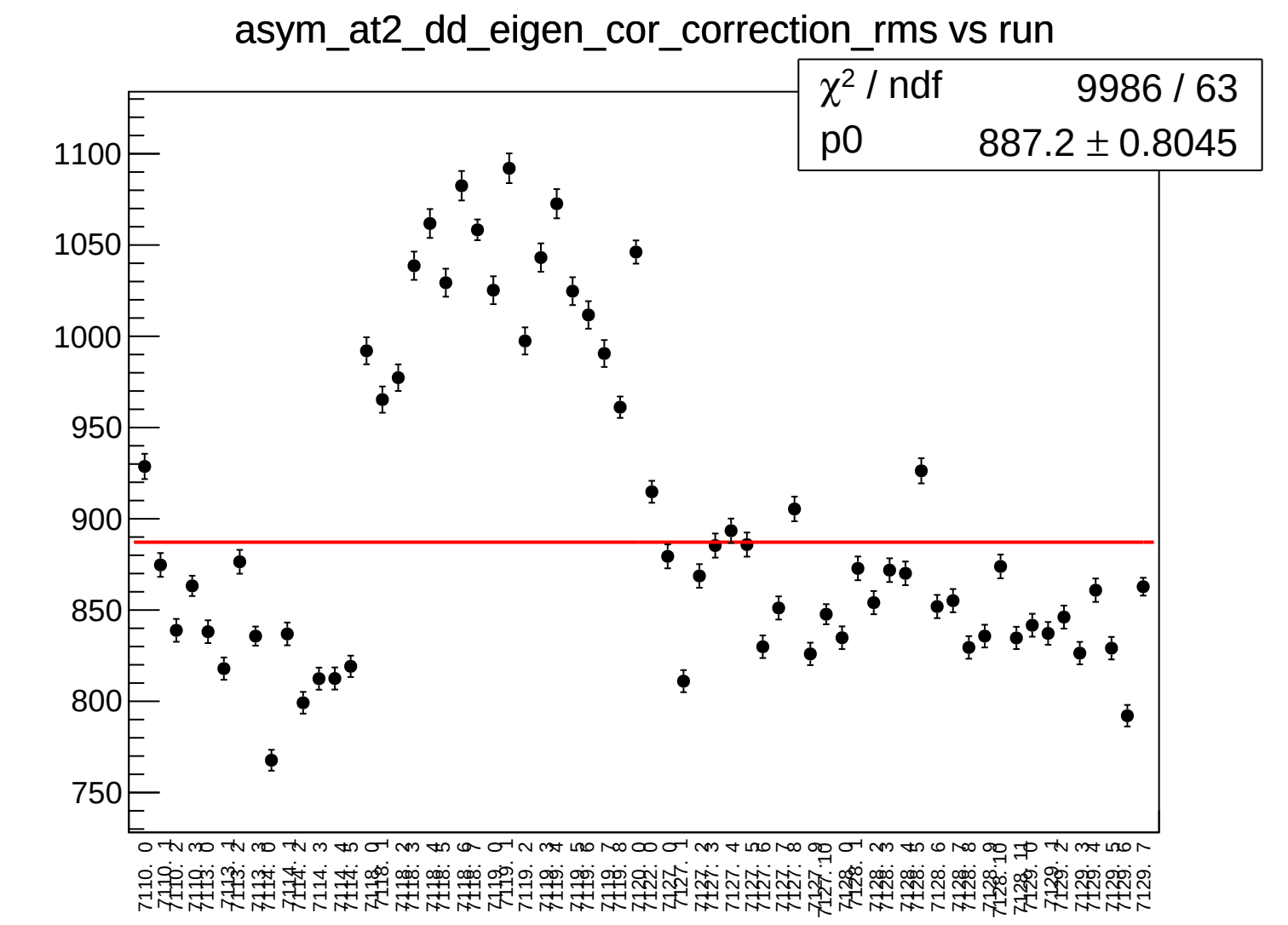

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 43.29 / 63
p0 35.44 ± 2203
pull
Entries 64
Mean −494
Std Dev 0

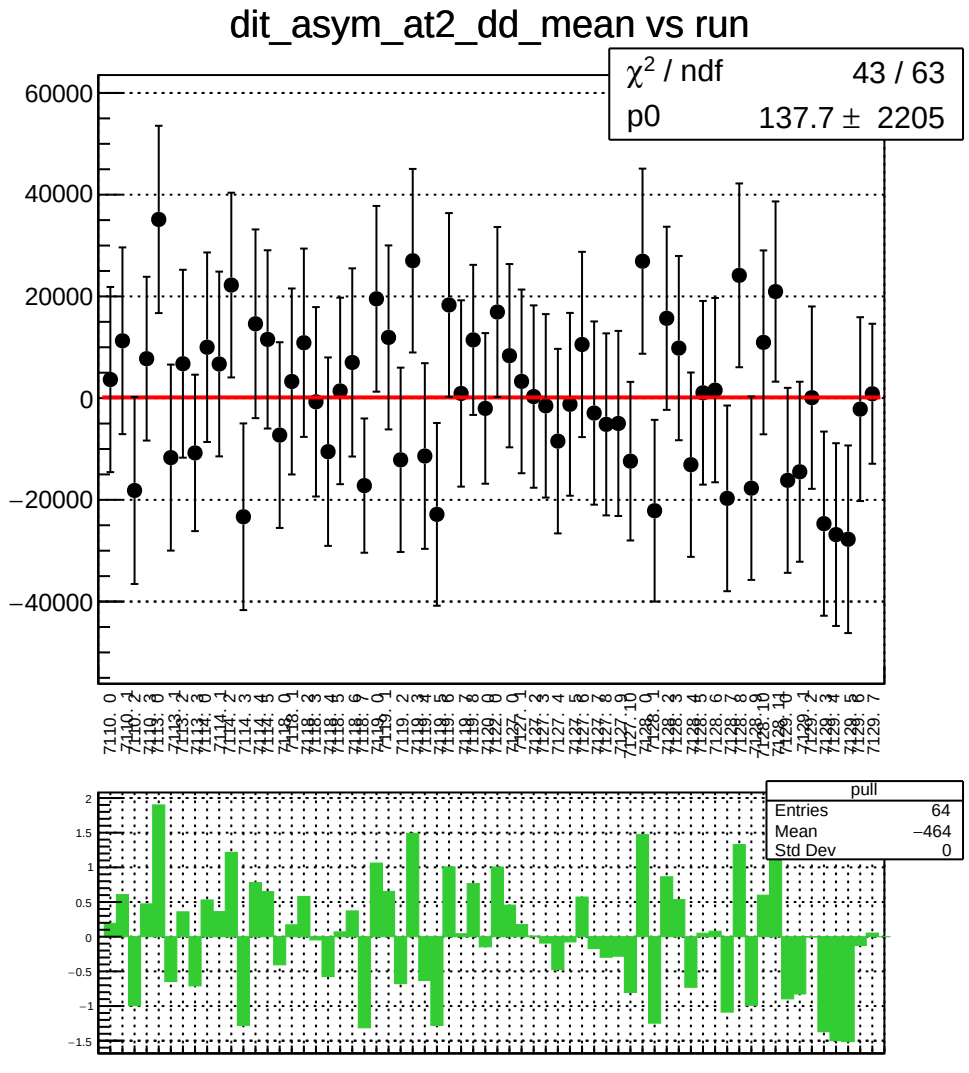

pull1D
Entries 64
Mean 0.007128
Std Dev 0.8224

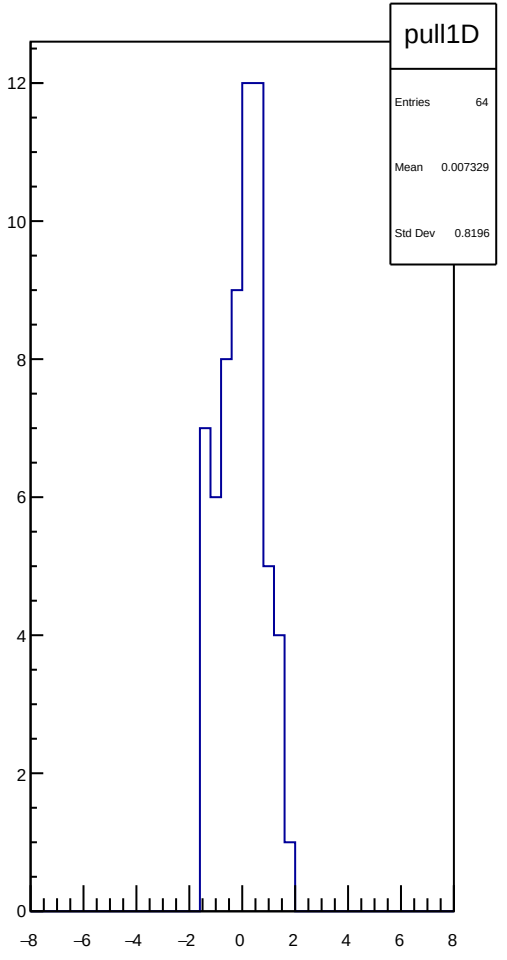

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 175.6 / 63
p0 1725 ± 1.558
1820
1800
1780
1760
1740
1720
1700
1680
1660

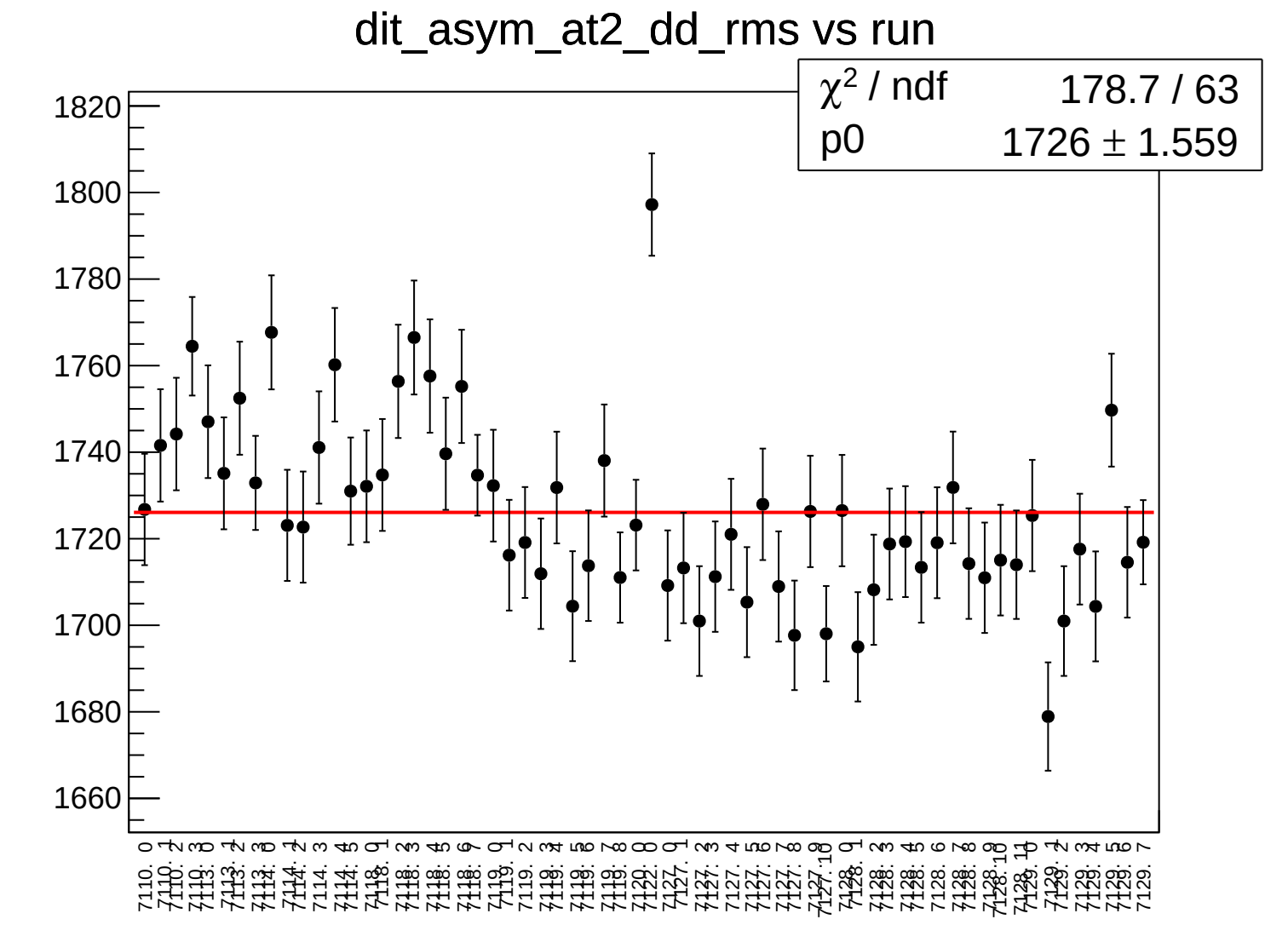

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.04 / 63
p0 2410 ± 1138
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean −484.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

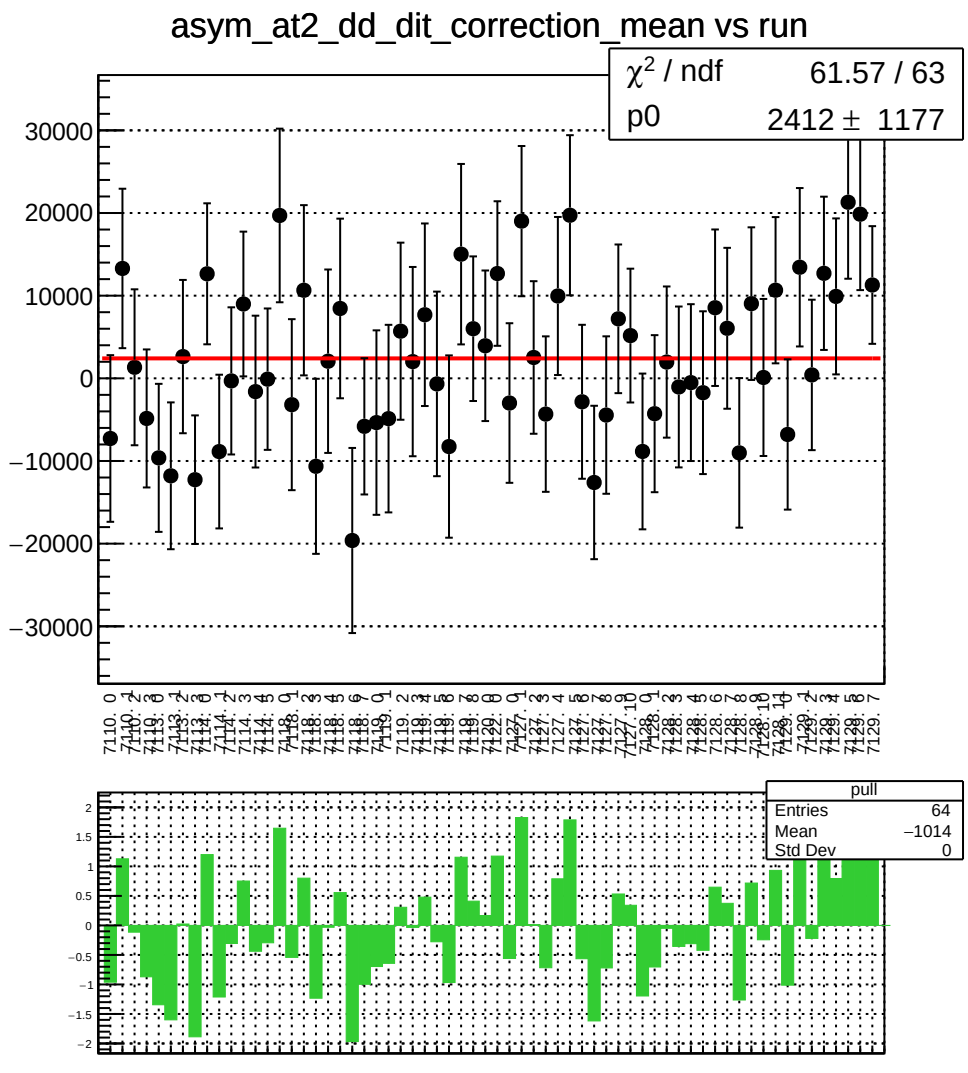

pull1D
Entries 64
Mean −0.01126
Std Dev 0.9765
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

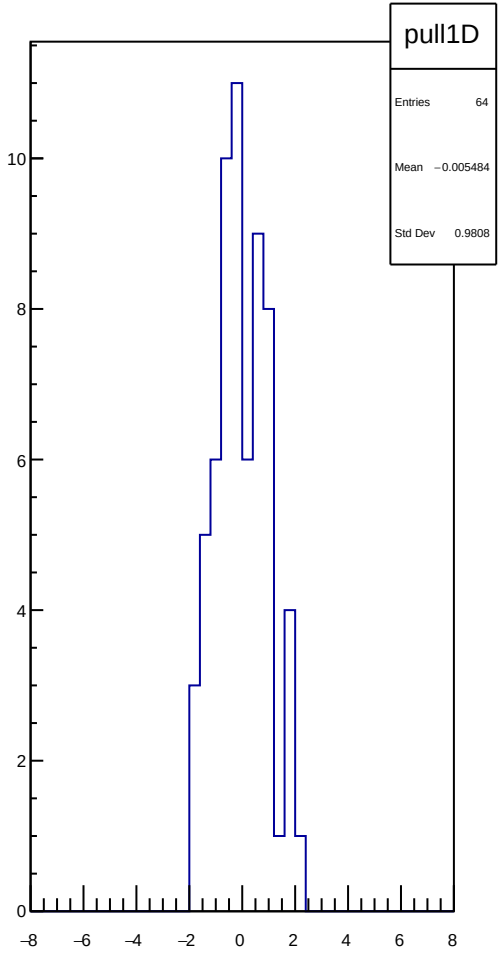

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 9986 / 63
p0 887.2 ± 0.8045
1100
1050
1000
950
900
850
800
750

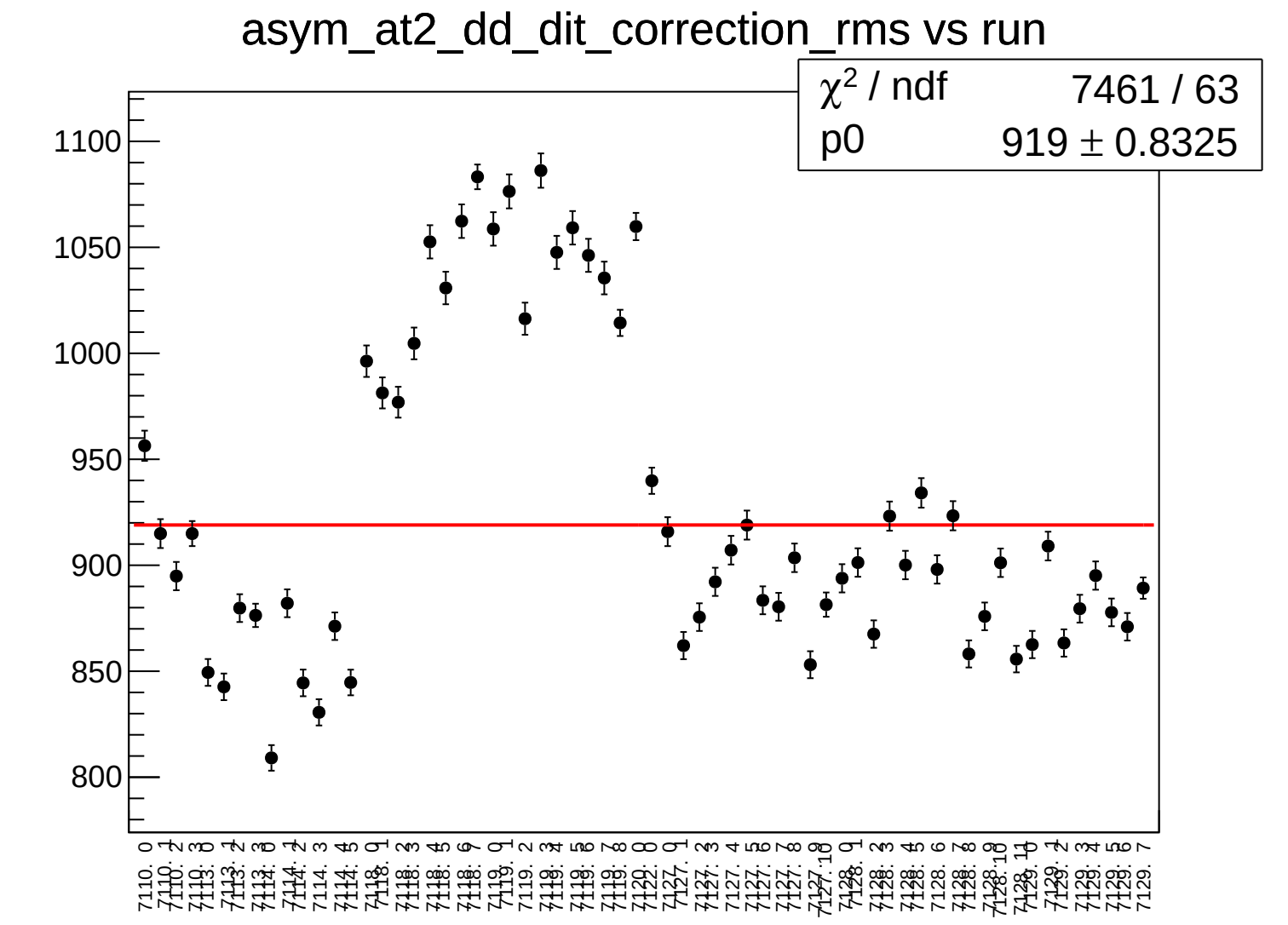

dit_asym_at2_dd_mean vs run
χ² / ndf 43 / 63
p0 137.7 ± 2205
pull
Entries 64
Mean −464
Std Dev 0

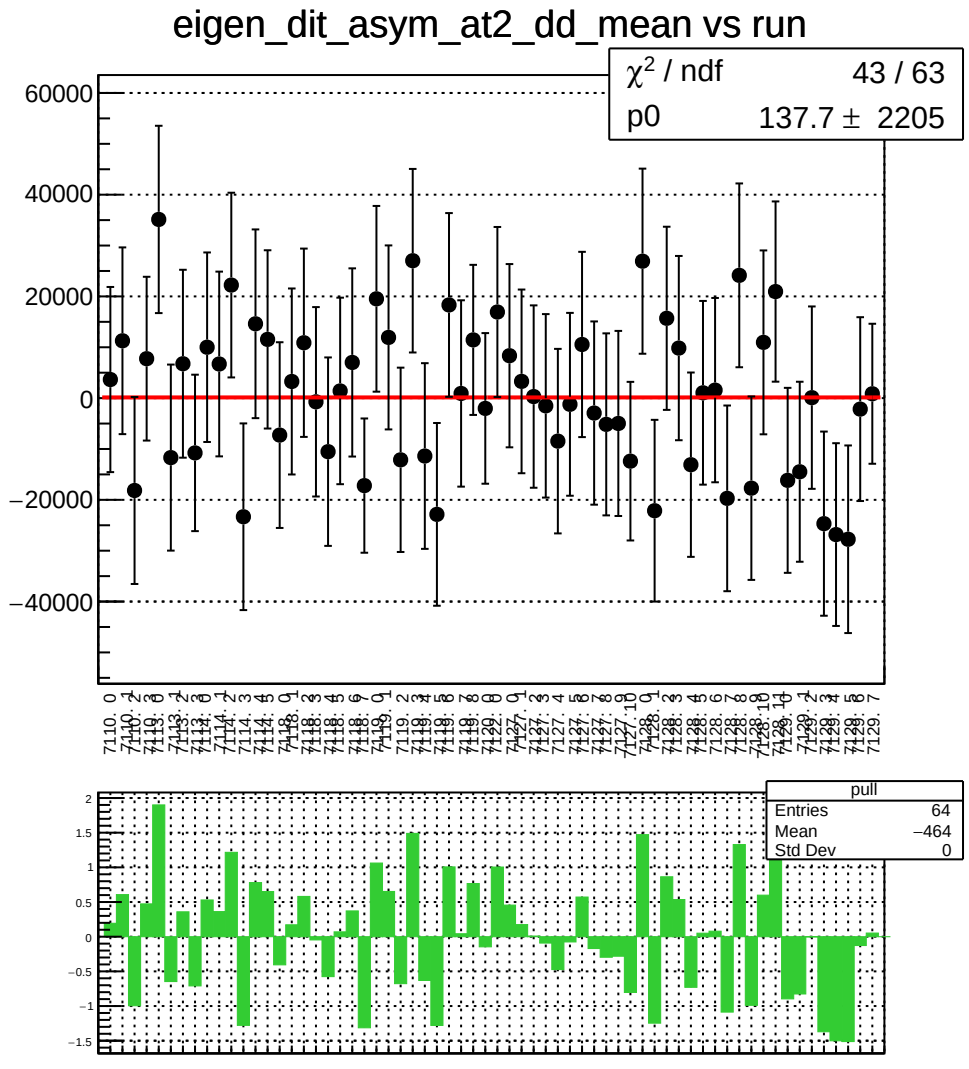

pull1D
Entries 64
Mean 0.007329
Std Dev 0.8196

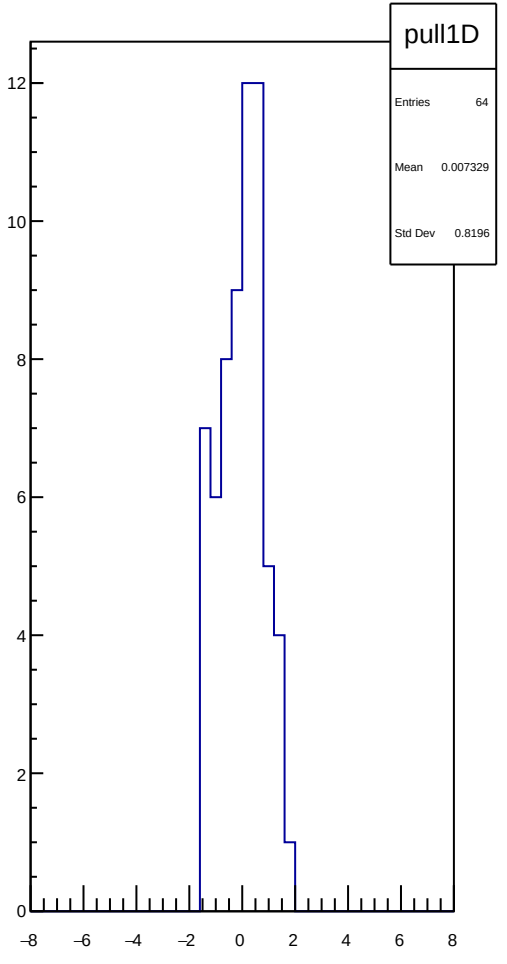

dit_asym_at2_dd_rms vs run
χ² / ndf 178.7 / 63
p0 1726 ± 1.559
1820
1800
1780
1760
1740
1720
1700
1680
1660

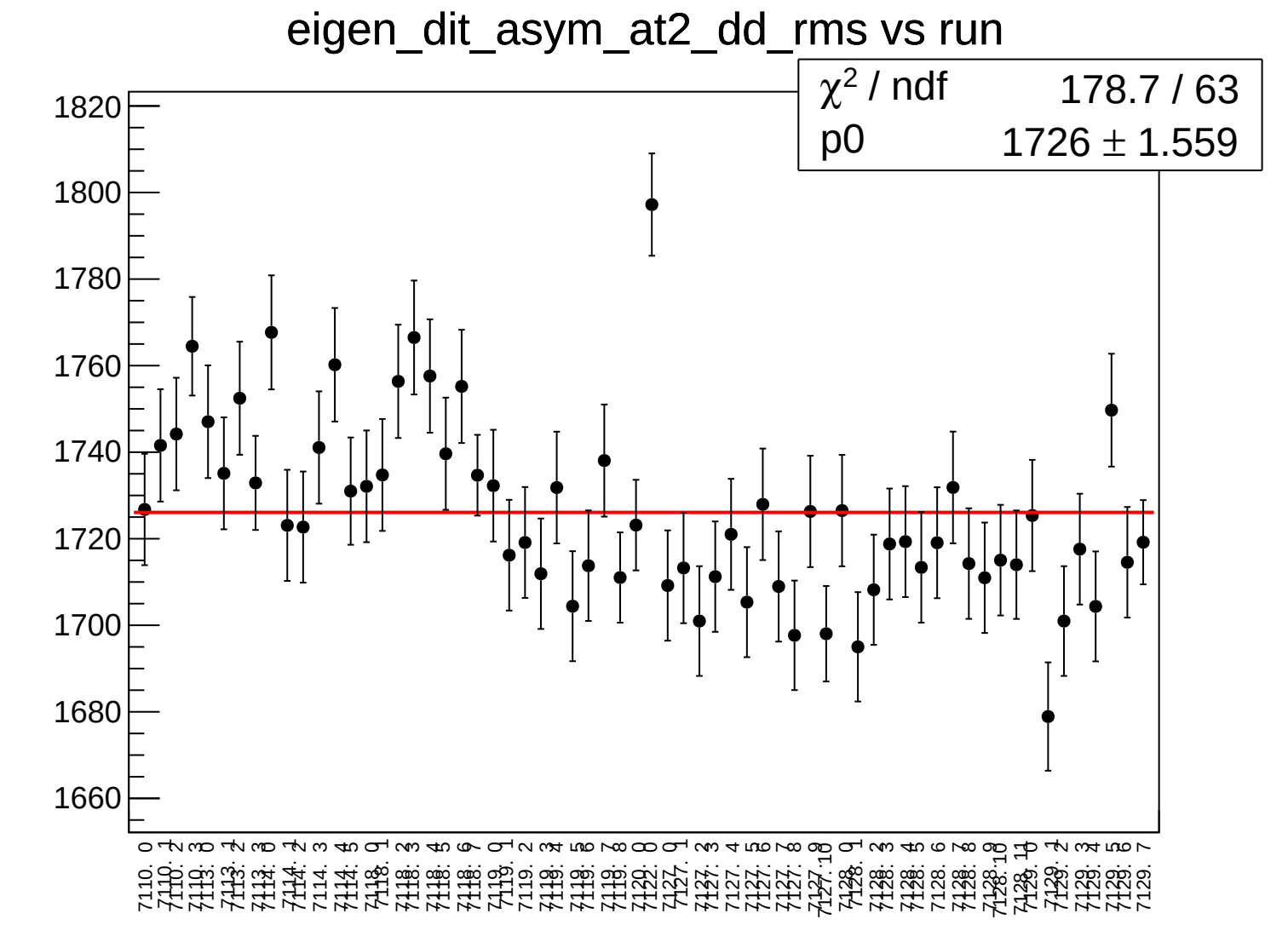

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 61.57 / 63
p0 2412 ± 1177
pull
Entries 64
Mean −1014
Std Dev 0

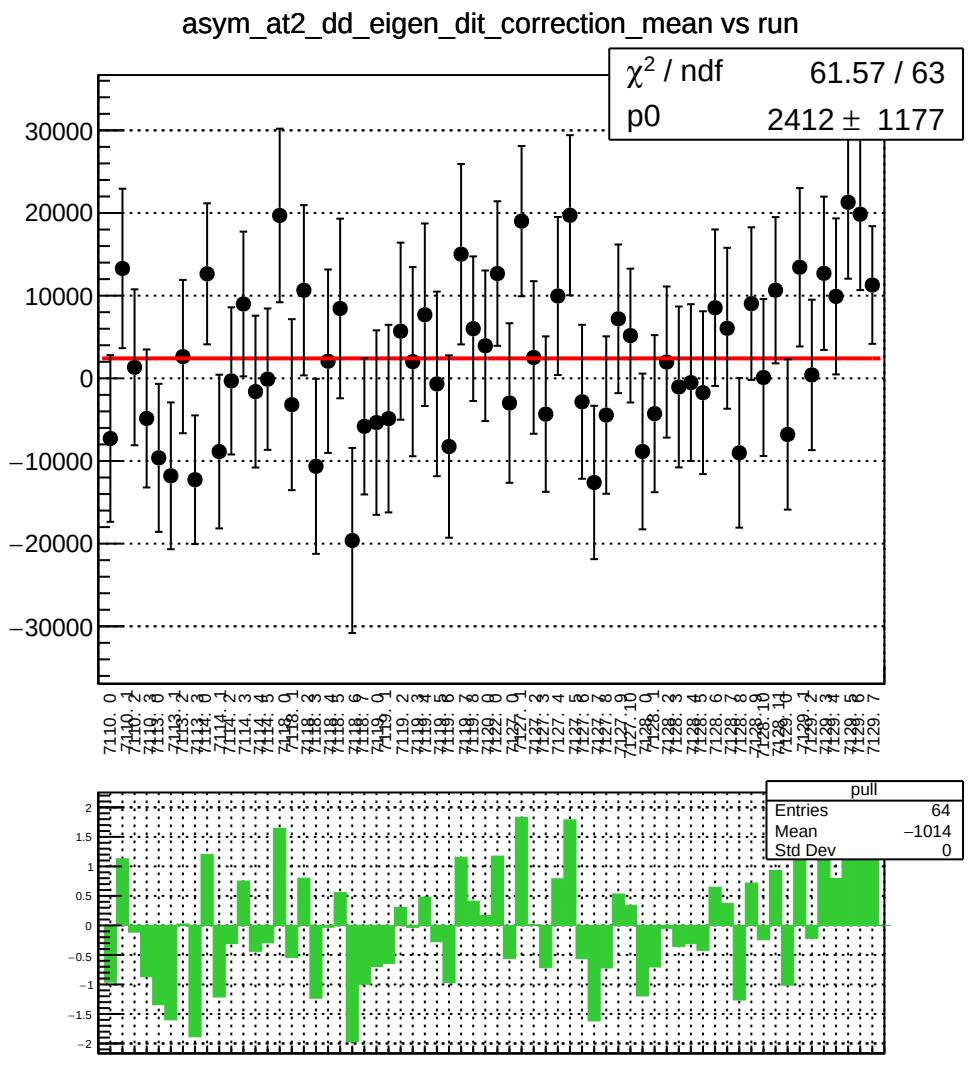

pull1D
Entries 64
Mean −0.005484
Std Dev 0.9808

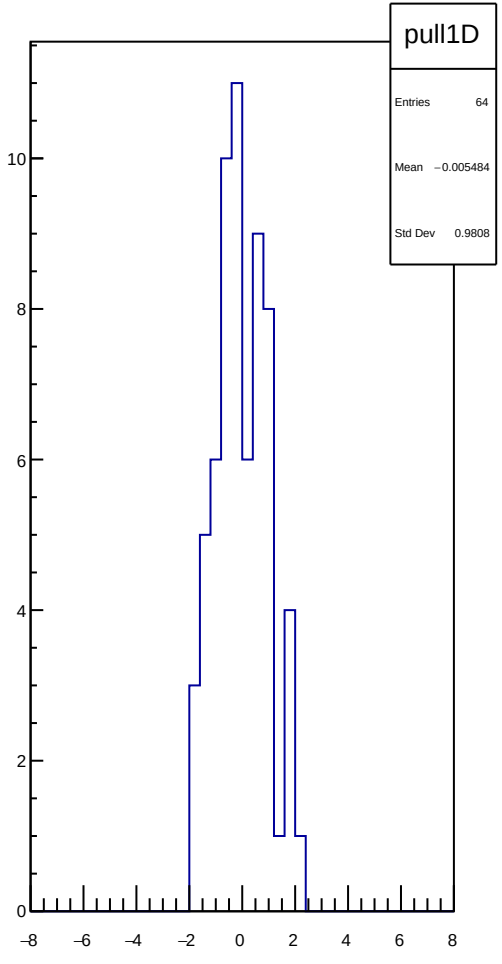

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 7461 / 63
p0 919 ± 0.8325
1100
1050
1000
950
900
850
800

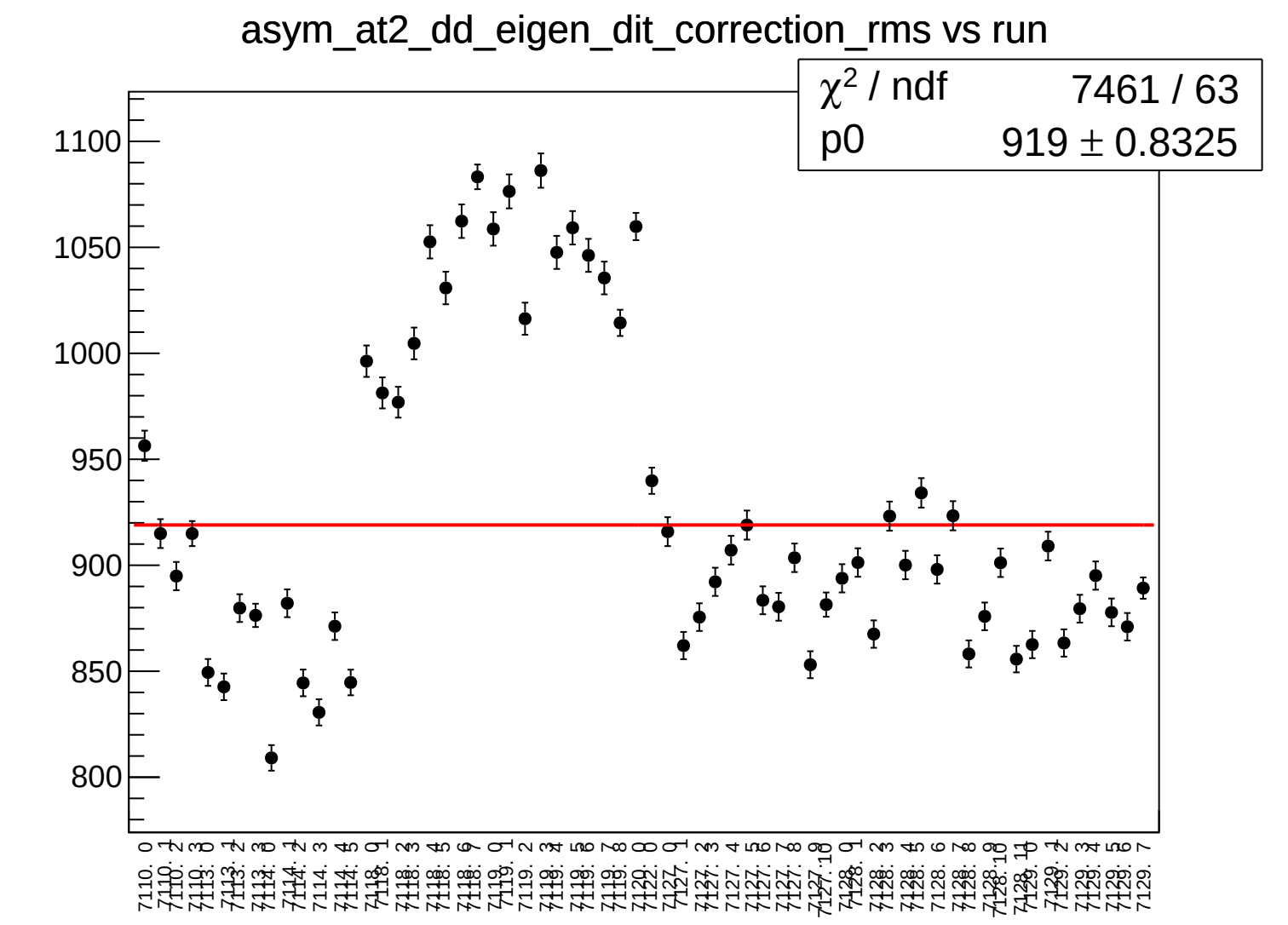

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 43 / 63
p0 137.7 ± 2205
pull
Entries 64
Mean −464
Std Dev 0

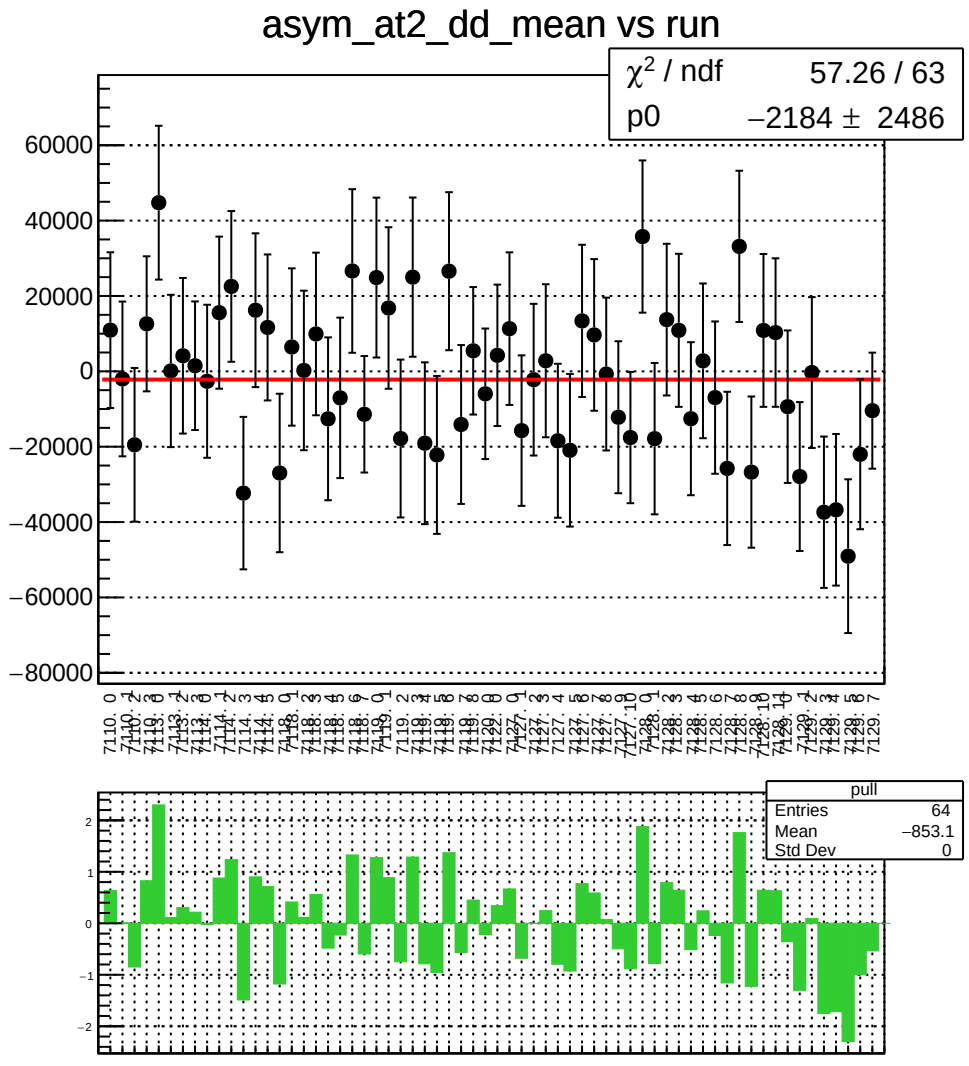

pull1D
Entries 64
Mean 0.007329
Std Dev 0.8196

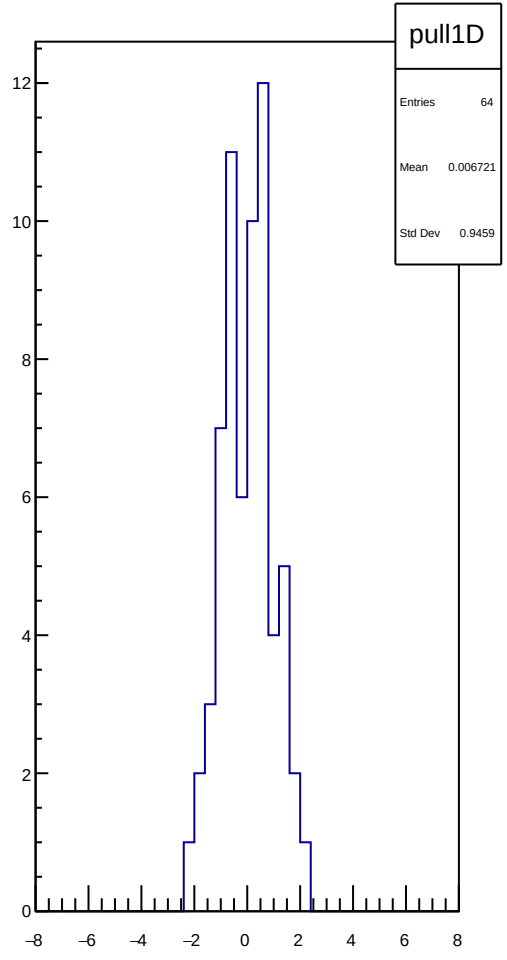

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 178.7 / 63
p0 1726 ± 1.559
1820
1800
1780
1760
1740
1720
1700
1680
1660

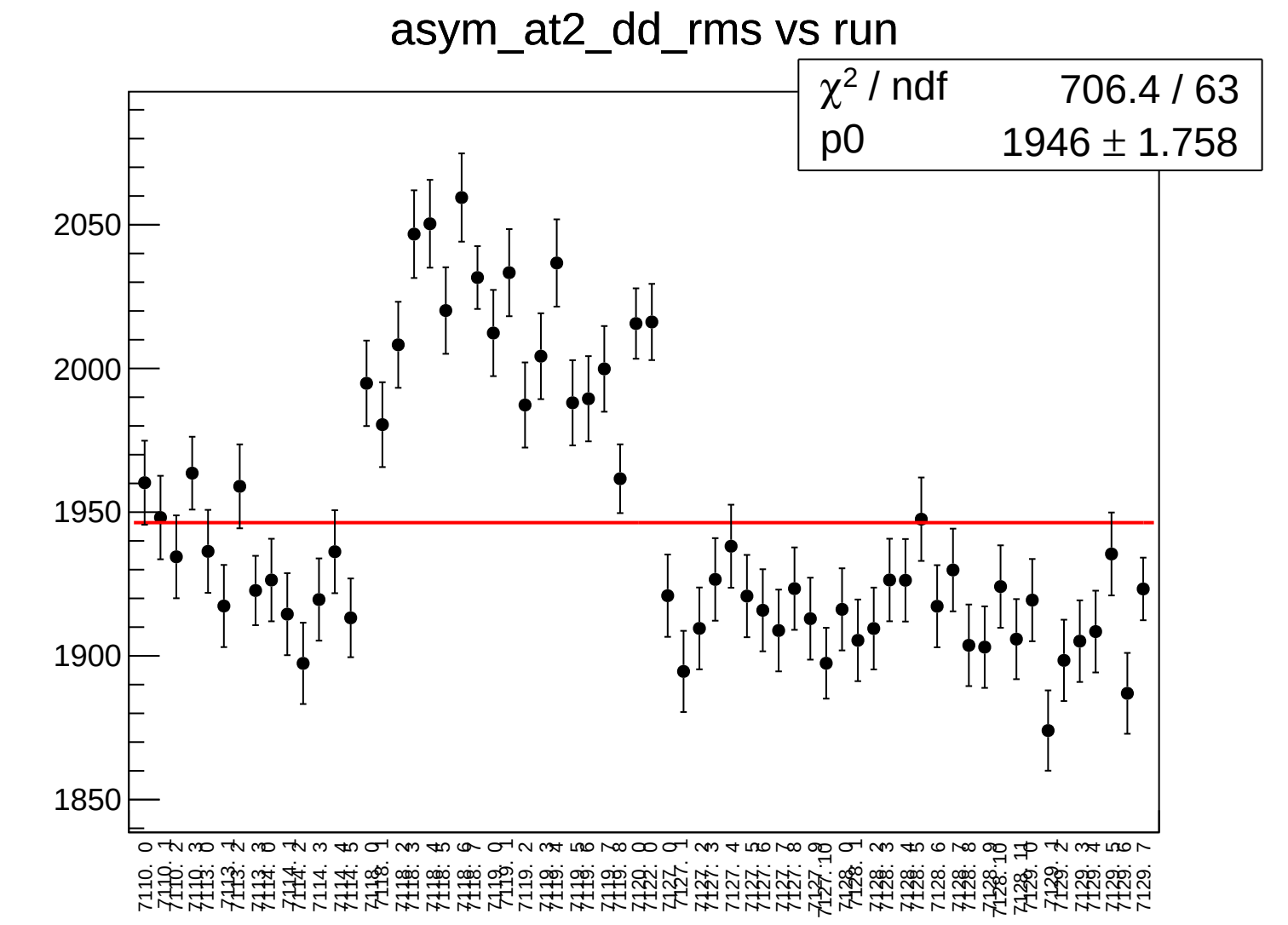

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 61.57 / 63
p0 2412 ± 1177
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean −1014
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

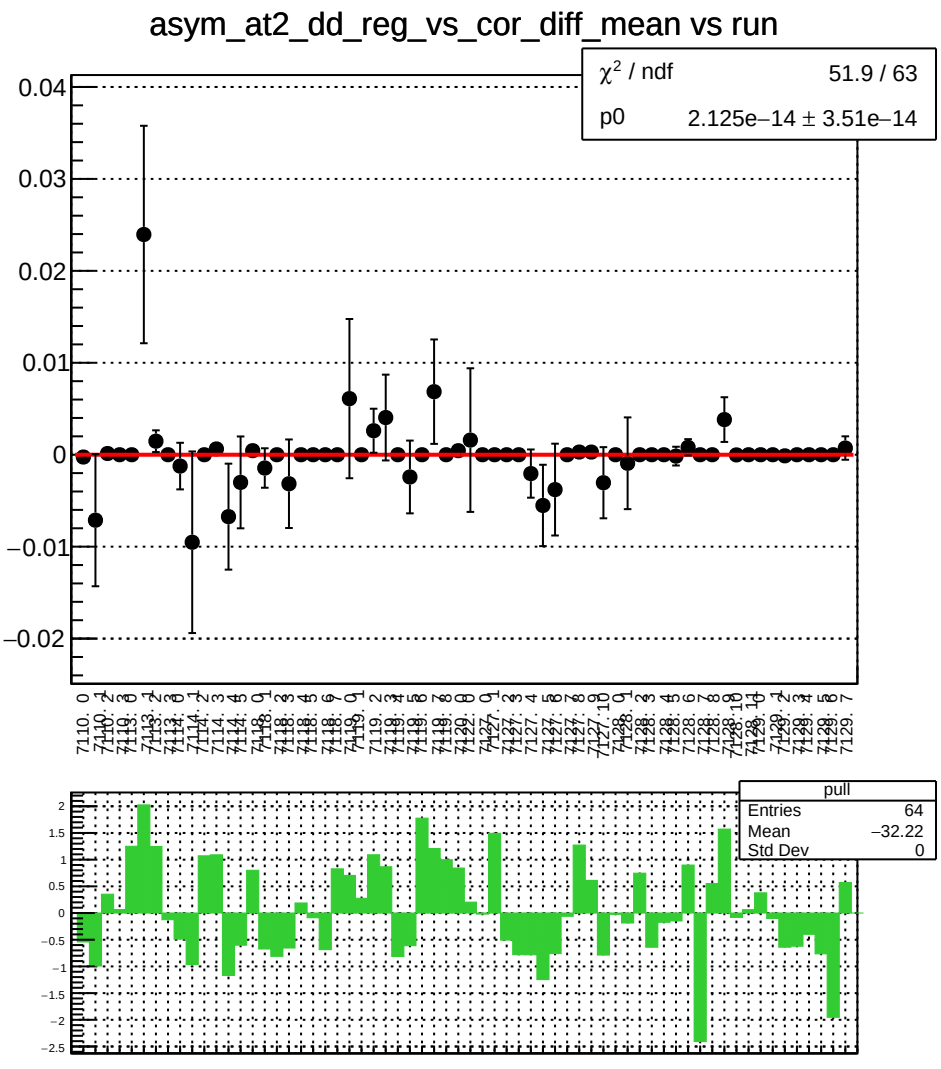

pull1D
Entries 64
Mean −0.005484
Std Dev 0.9808
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

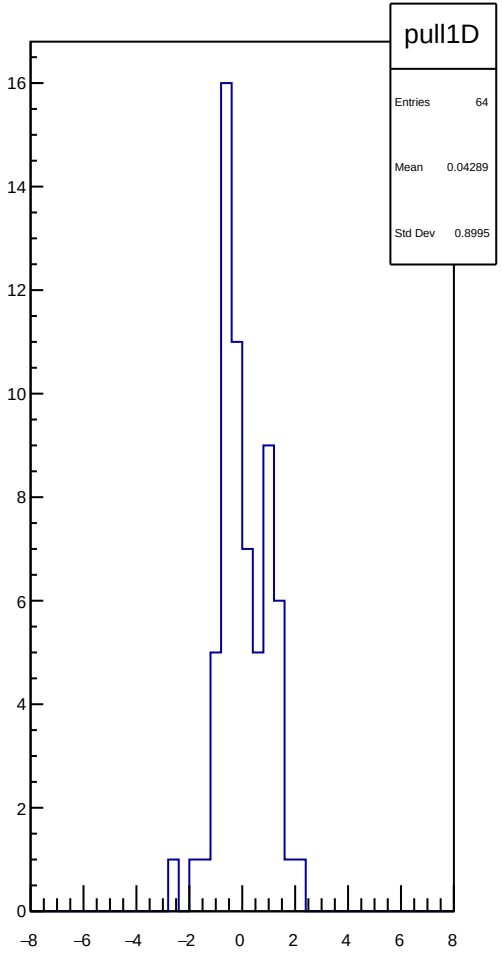

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7461 / 63
p0 919 ± 0.8325
1100
1050
1000
950
900
850
800

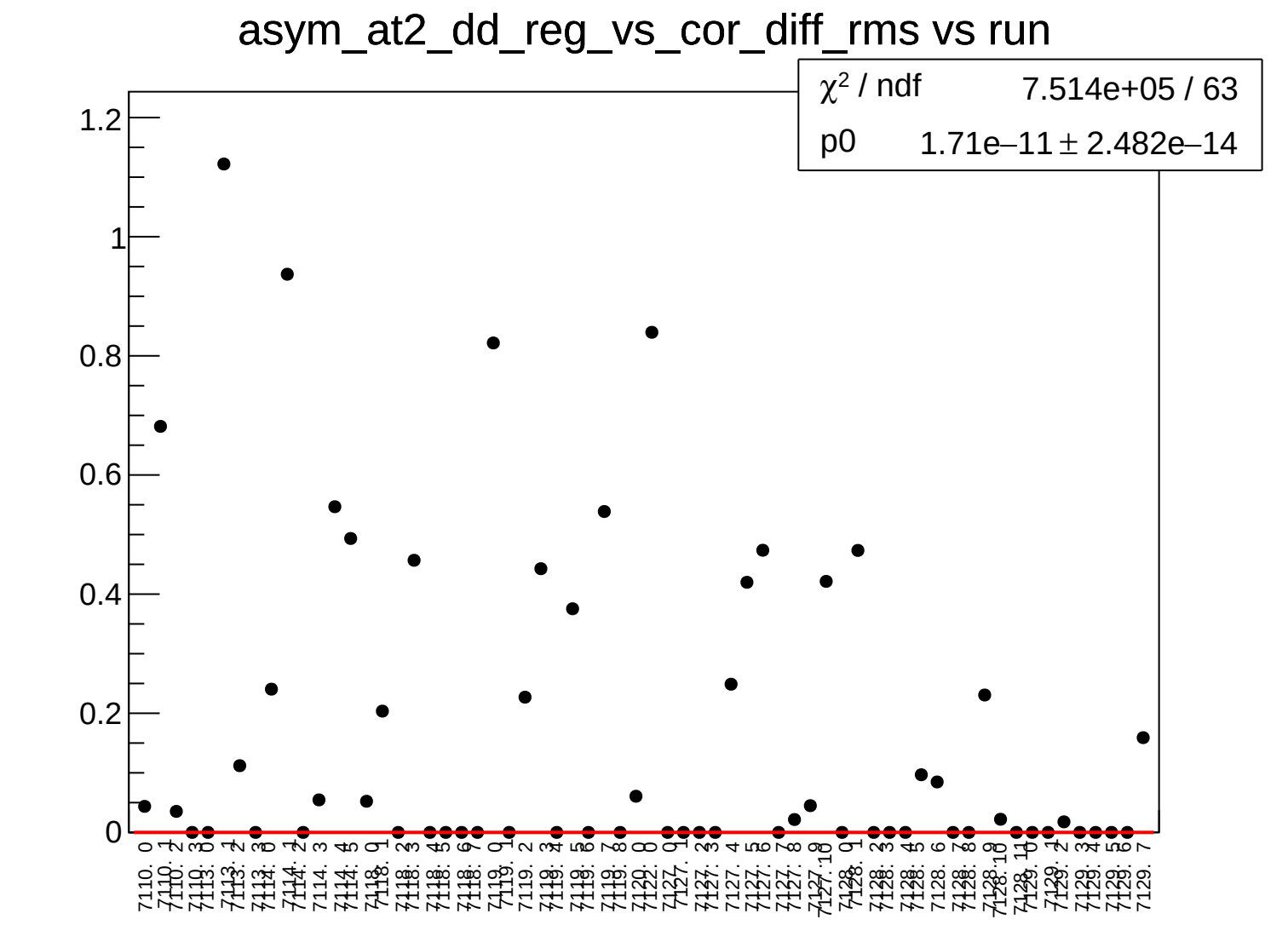

asym_at2_dd_mean vs run
χ² / ndf 57.26 / 63
p0 −2184 ± 2486
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 64
Mean −853.1
Std Dev 0
2
1
0
−1
−2

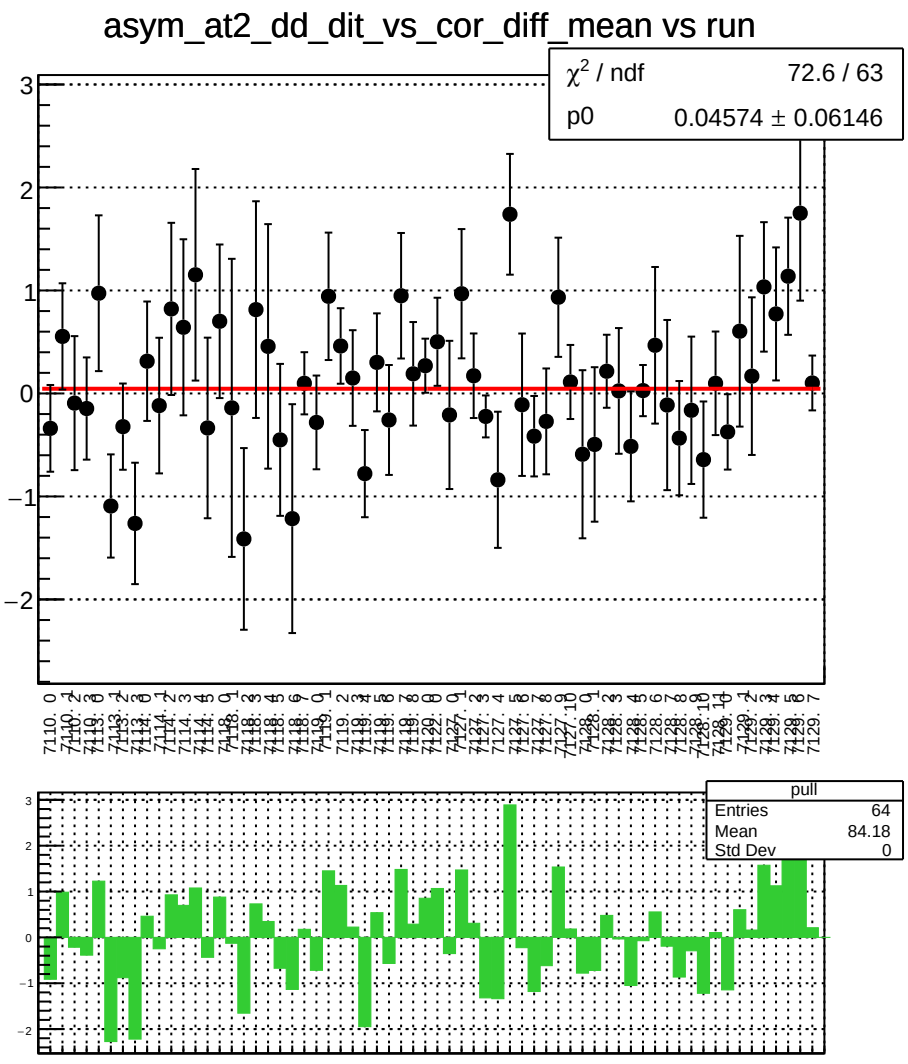

pull1D
Entries 64
Mean 0.006721
Std Dev 0.9459
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

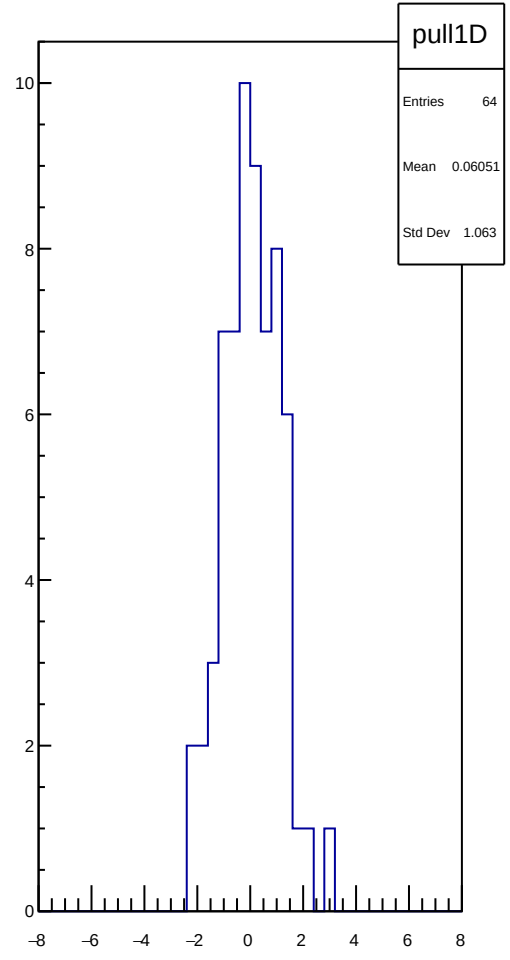

asym_at2_dd_rms vs run
χ^2 / ndf 706.4 / 63
p0 1946 ± 1.758
2050
2000
1950
1900
1850

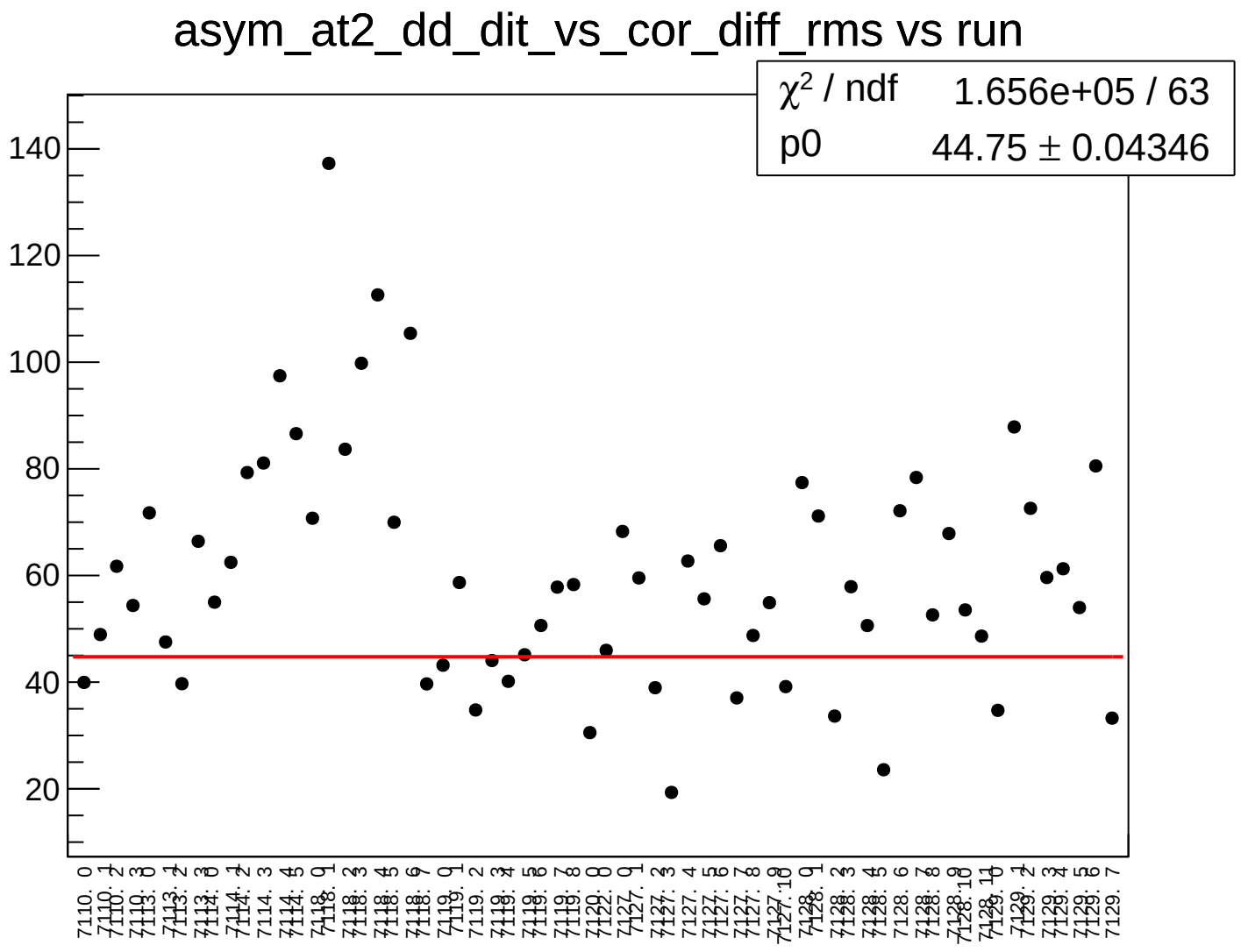

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.9 / 63
p0 2.125e−14 ± 3.51e−14
pull
Entries 64
Mean −32.22
Std Dev 0

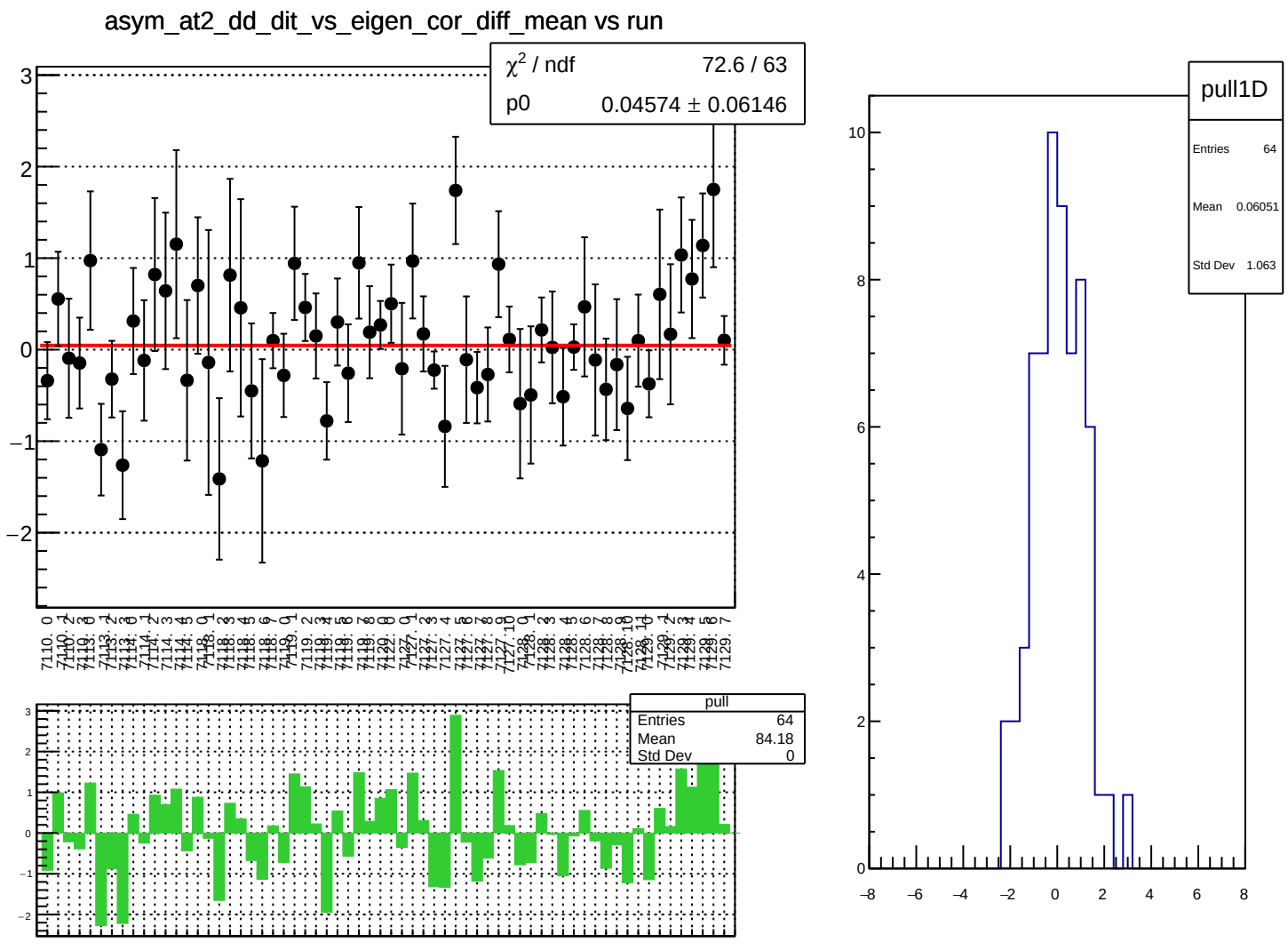

pull1D
Entries 64
Mean 0.04289
Std Dev 0.8995

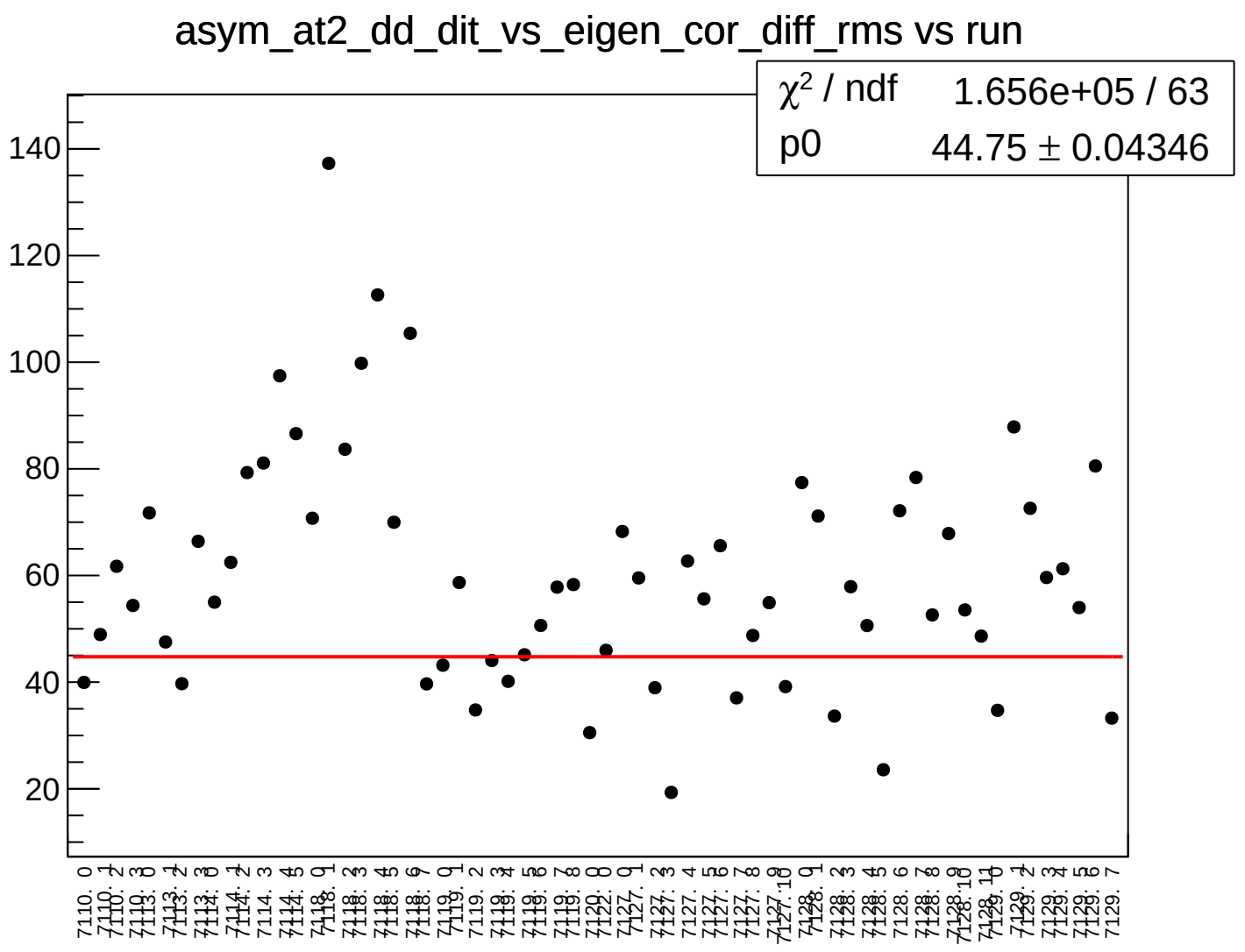

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.514e+05 / 63
p0 1.71e−11 ± 2.482e−14
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

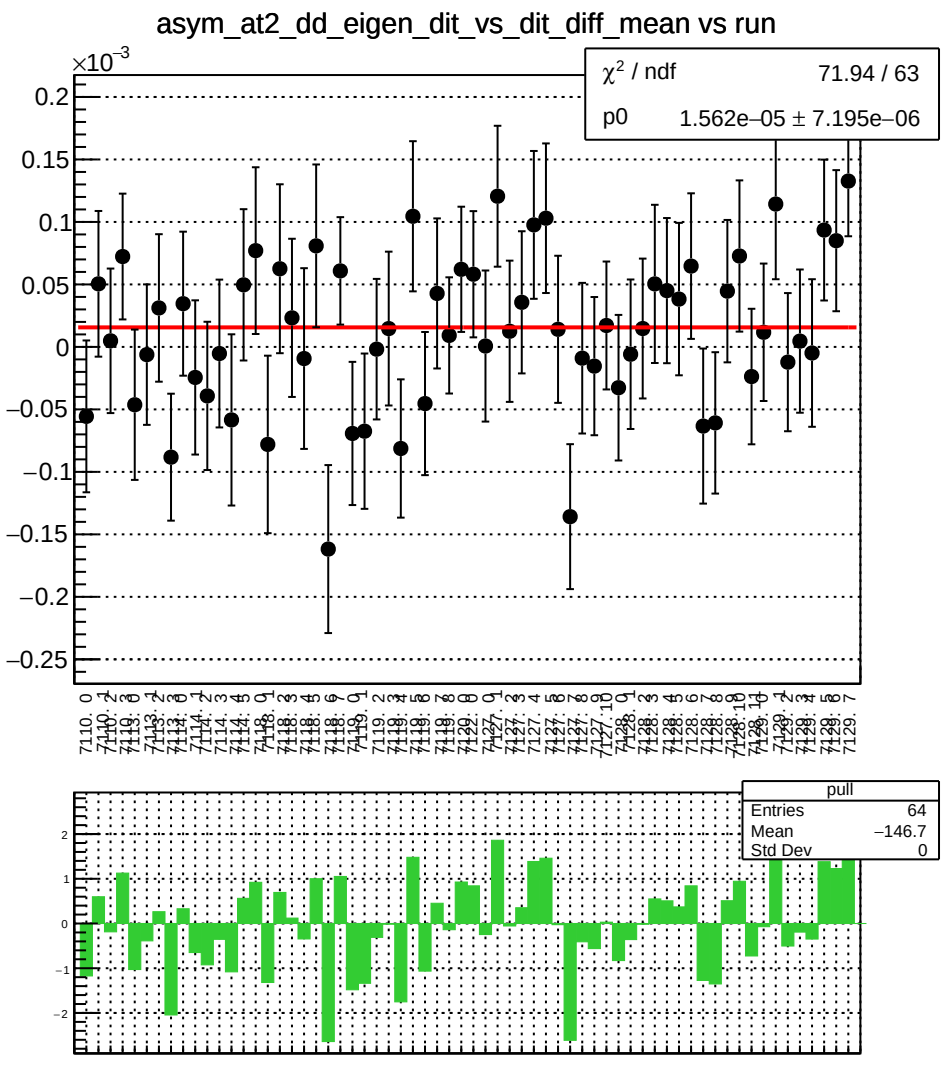

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.6 / 63
p0 0.04574 ± 0.06146
pull
Entries 64
Mean 84.18
Std Dev 0

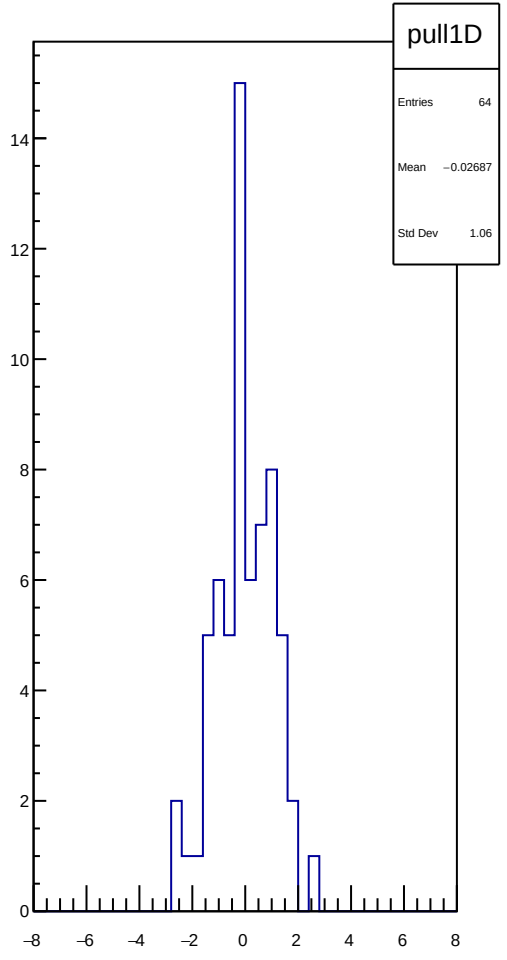

pull1D
Entries 64
Mean 0.06051
Std Dev 1.063

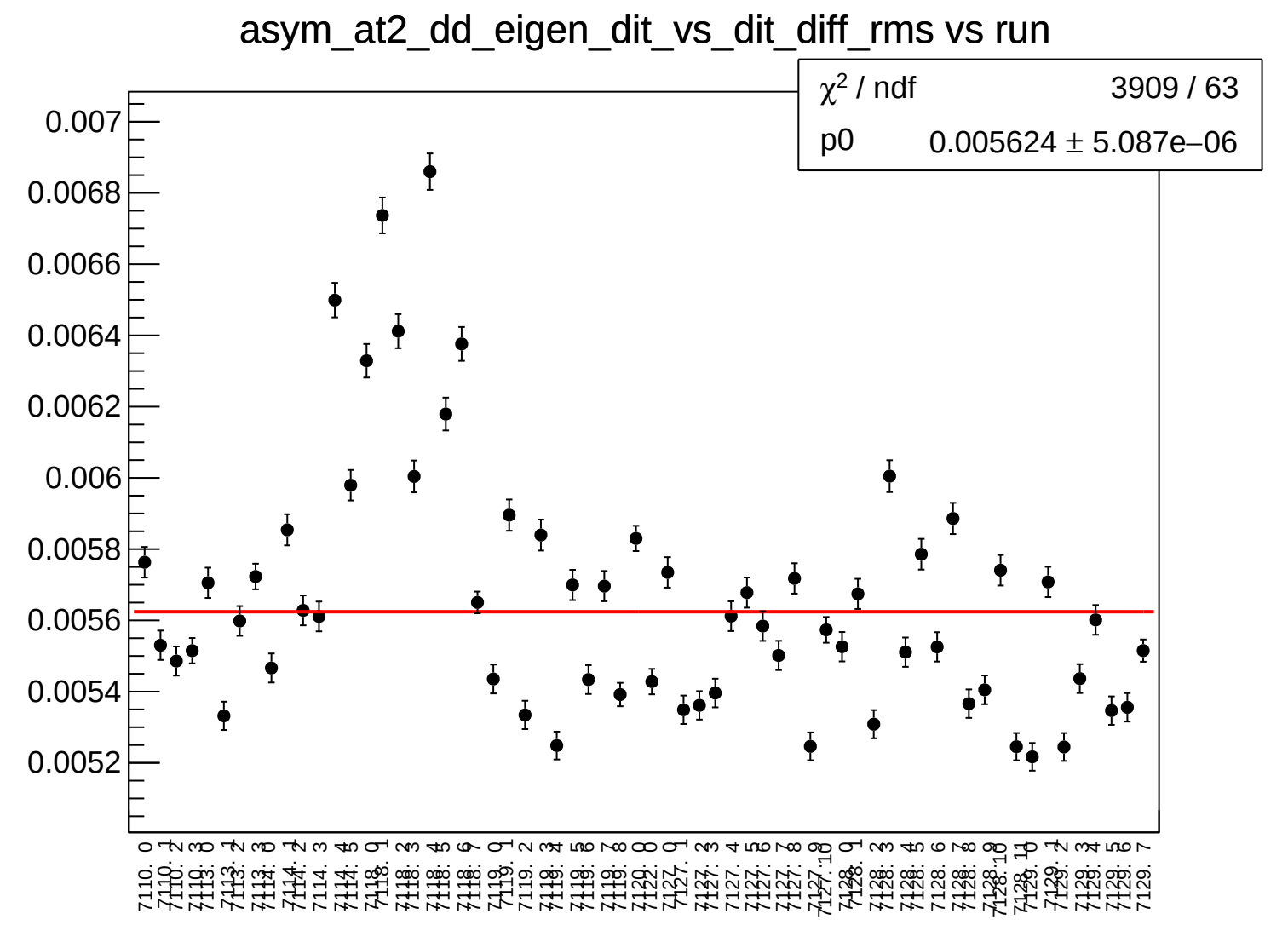

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 63
p0 44.75 ± 0.04346
140
120
100
80
60
40
20

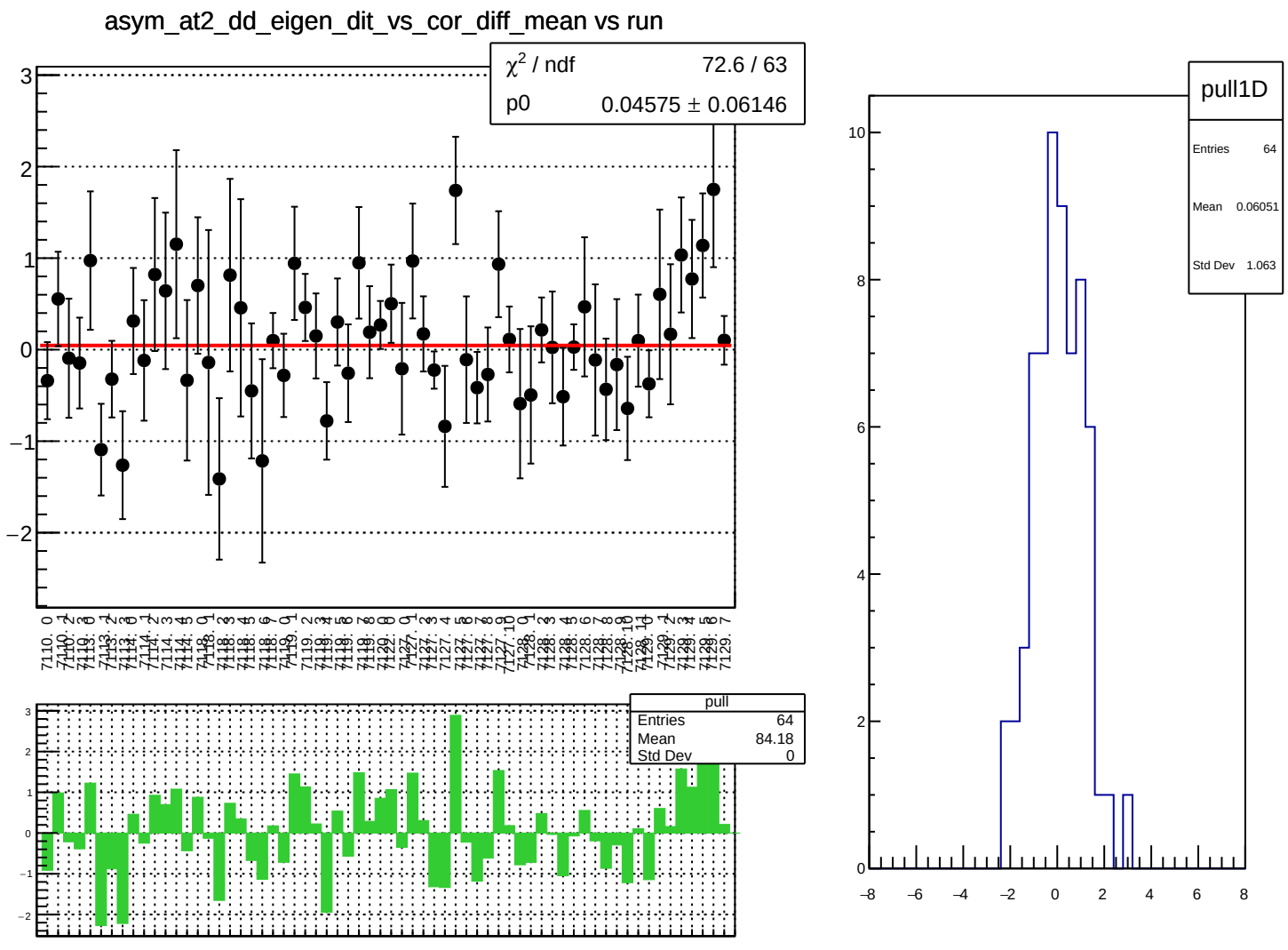

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.6 / 63
p0 0.04574 ± 0.06146
pull
Entries 64
Mean 84.18
Std Dev 0
pull1D
Entries 64
Mean 0.06051
Std Dev 1.063

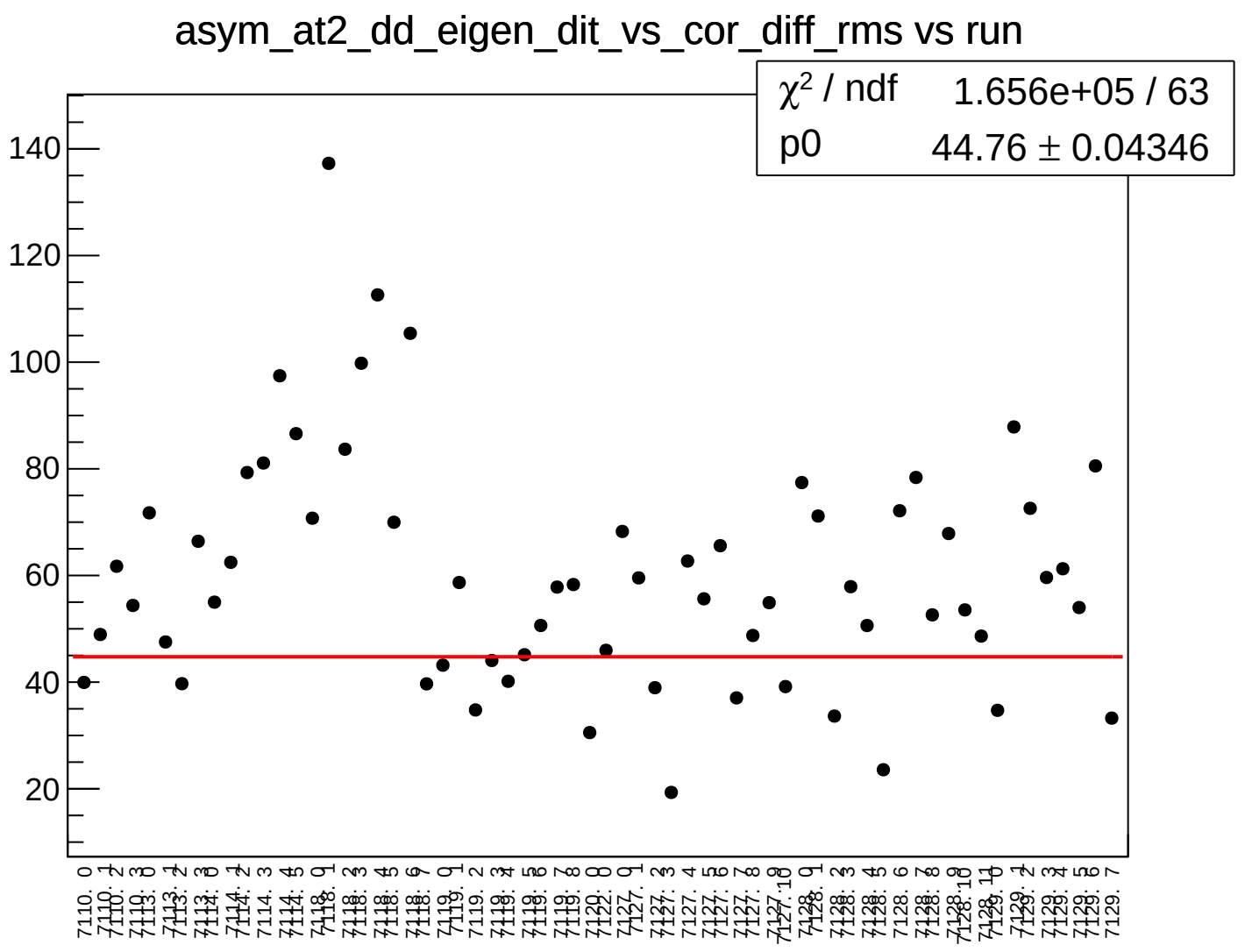

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 63
p0 44.75 ± 0.04346
140
120
100
80
60
40
20

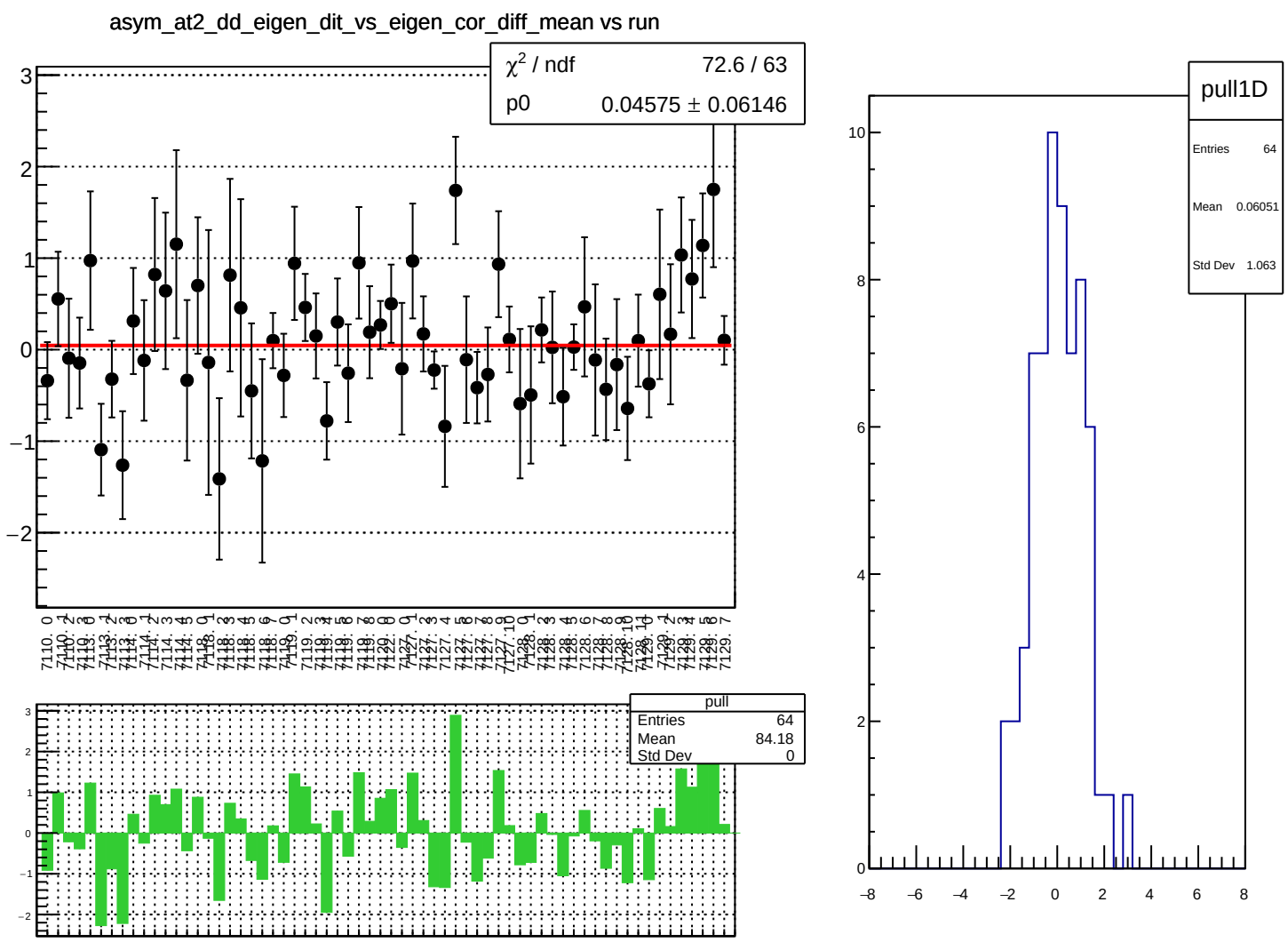

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.94 / 63
p0 1.562e−05 ± 7.195e−06
pull
Entries 64
Mean −146.7
Std Dev 0

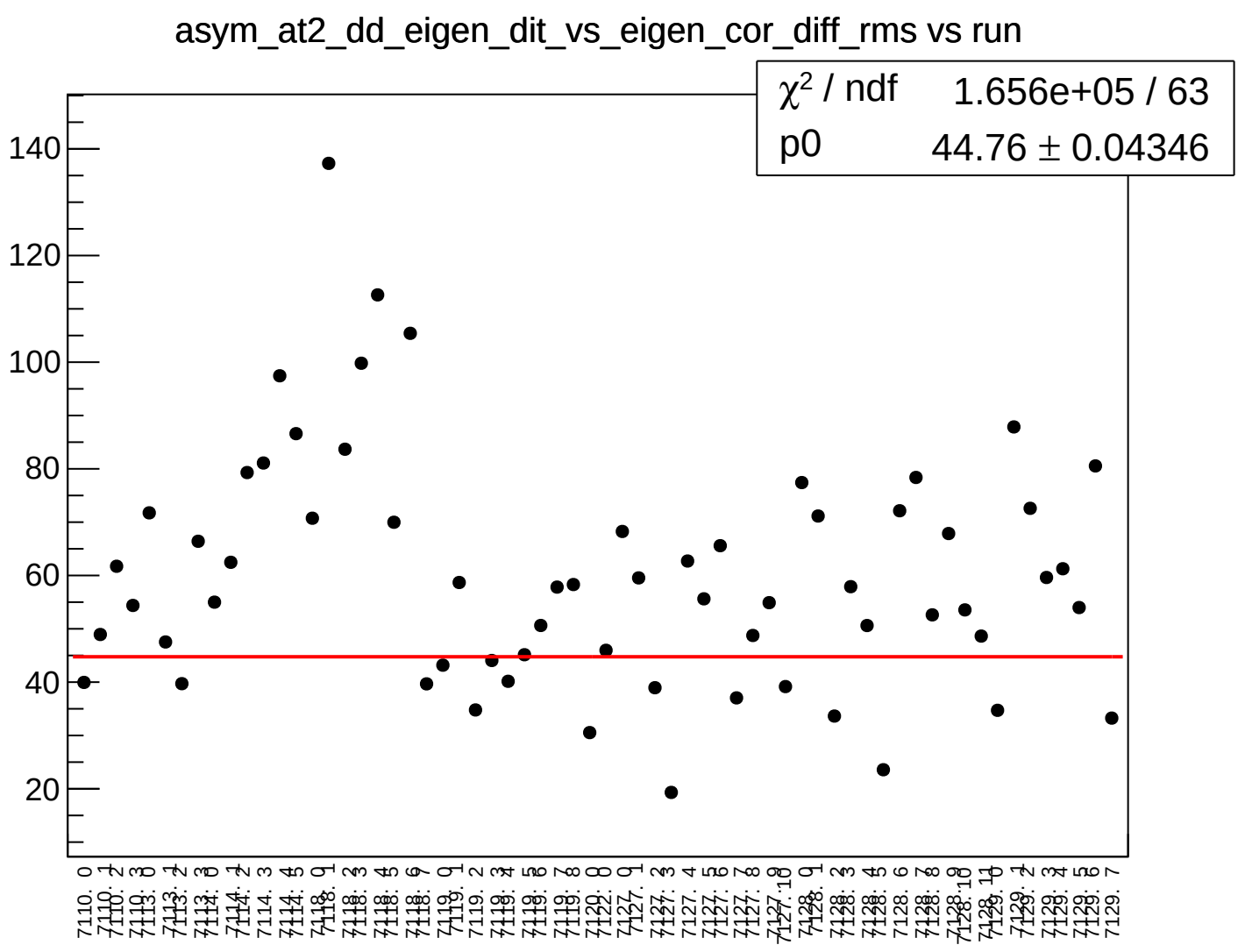

pull1D
Entries 64
Mean −0.02687
Std Dev 1.06

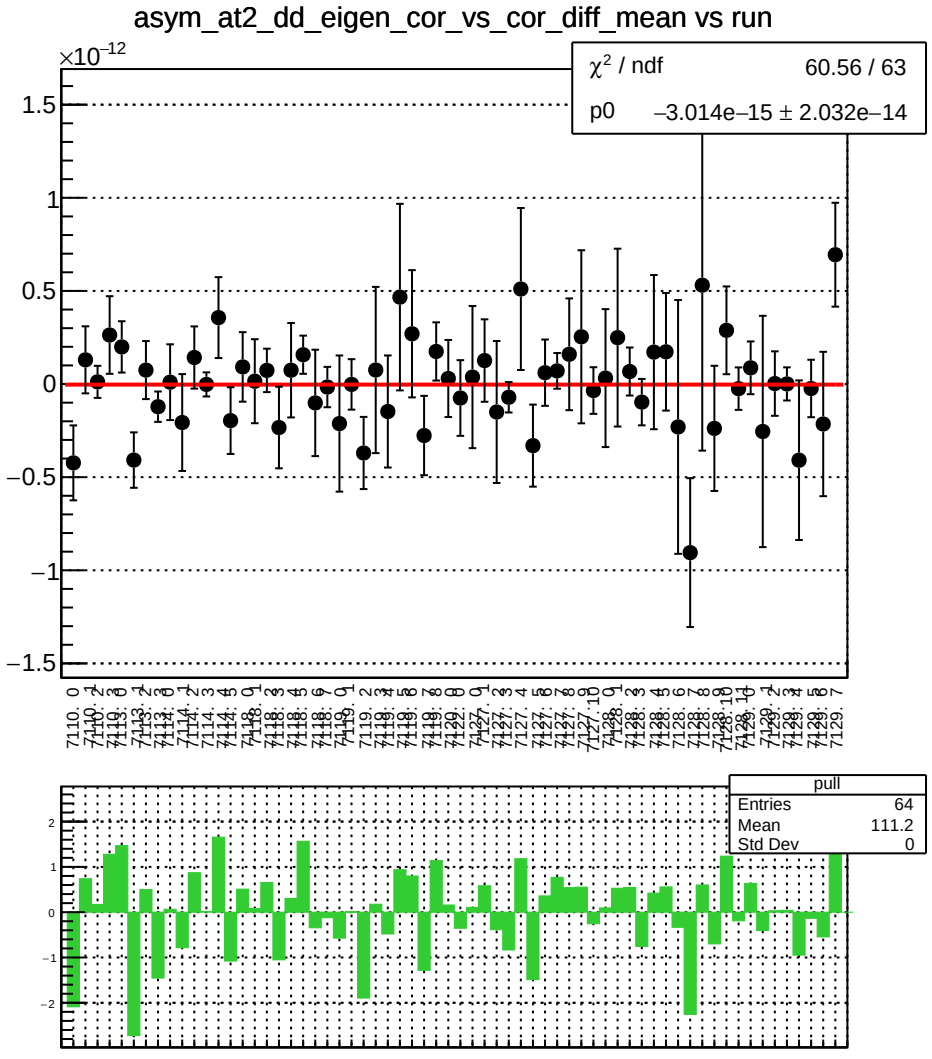

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3909 / 63
p0 0.005624 ± 5.087e−06
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052

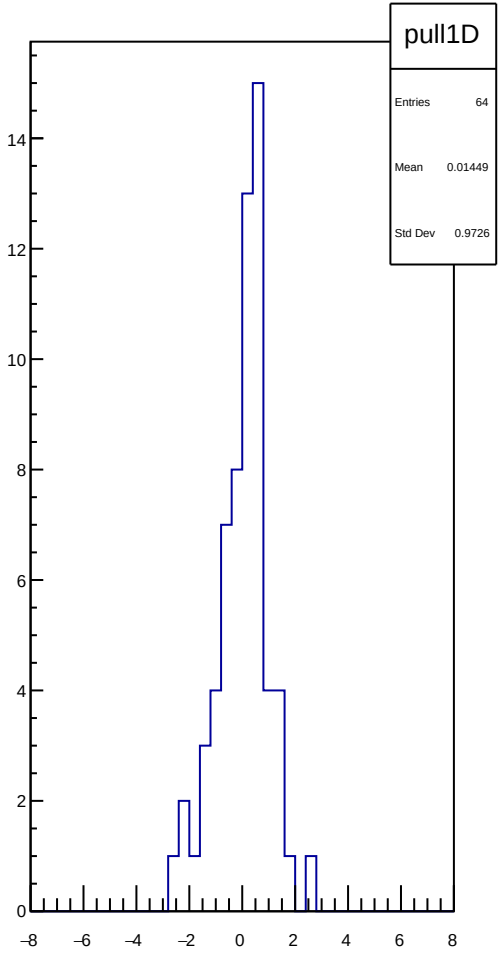

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.6 / 63
p0 0.04575 ± 0.06146
pull
Entries 64
Mean 84.18
Std Dev 0
pull1D
Entries 64
Mean 0.06051
Std Dev 1.063

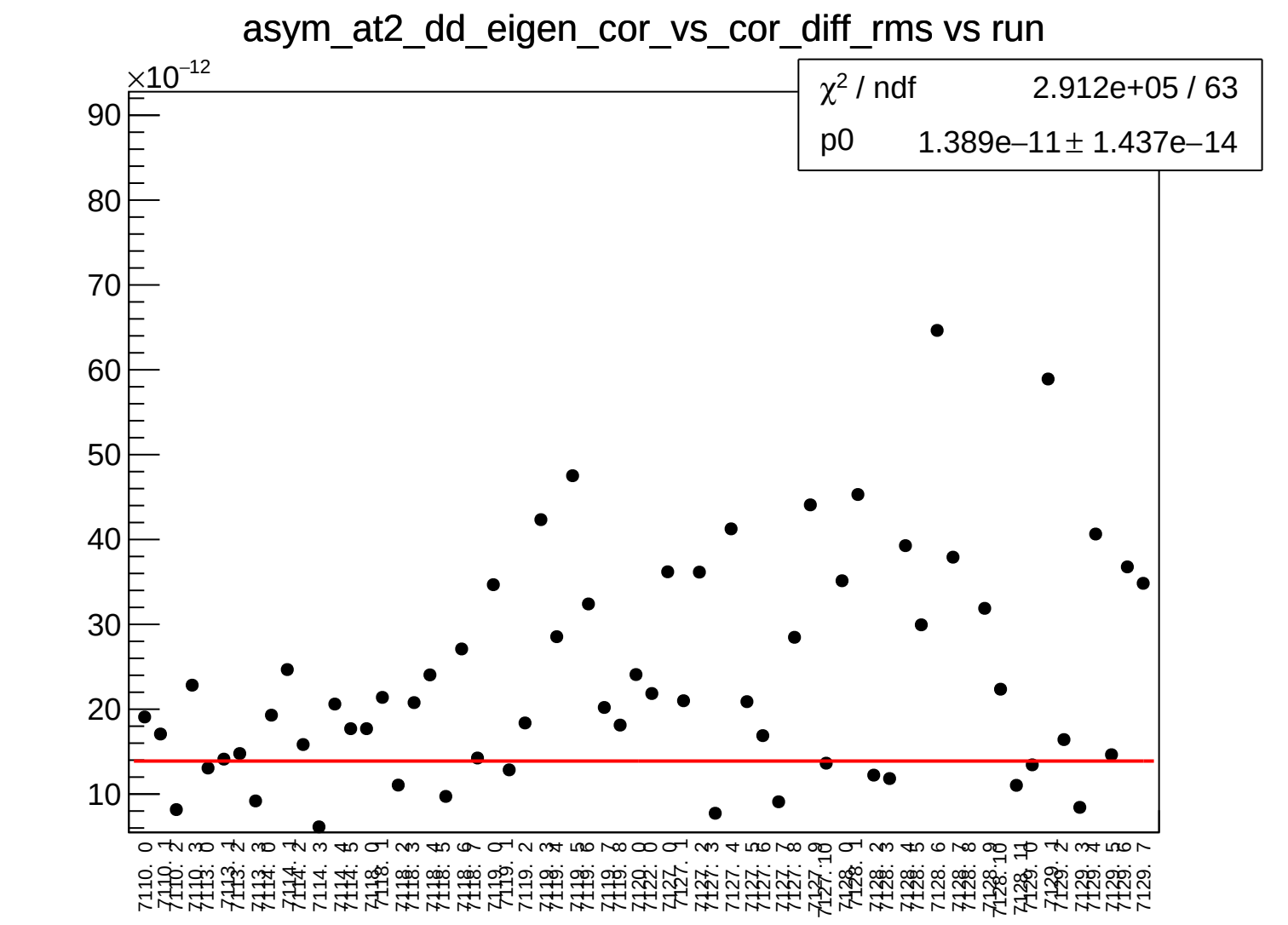

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 63
p0 44.76 ± 0.04346
140
120
100
80
60
40
20

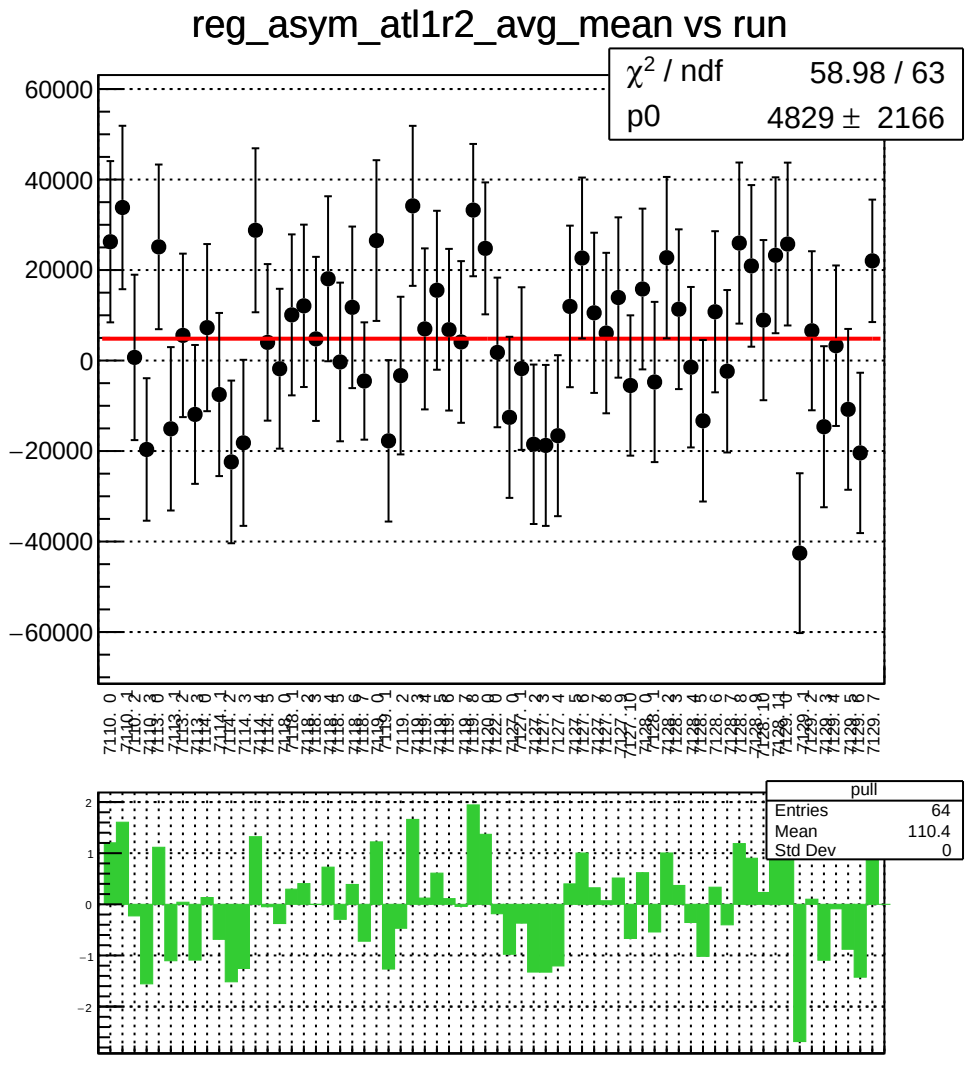

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.6 / 63
p0 0.04575 ± 0.06146
pull
Entries 64
Mean 84.18
Std Dev 0
pull1D
Entries 64
Mean 0.06051
Std Dev 1.063

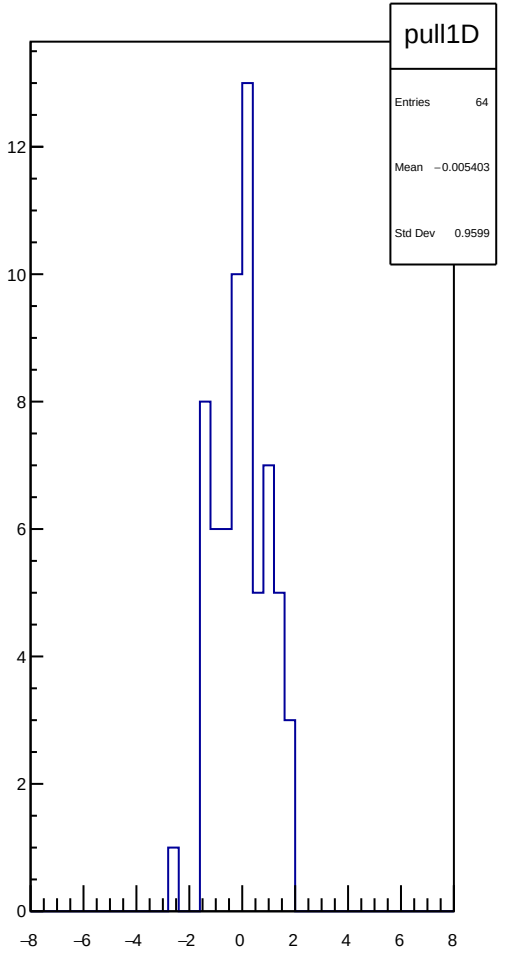

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 63
p0 44.76 ± 0.04346
140
120
100
80
60
40
20

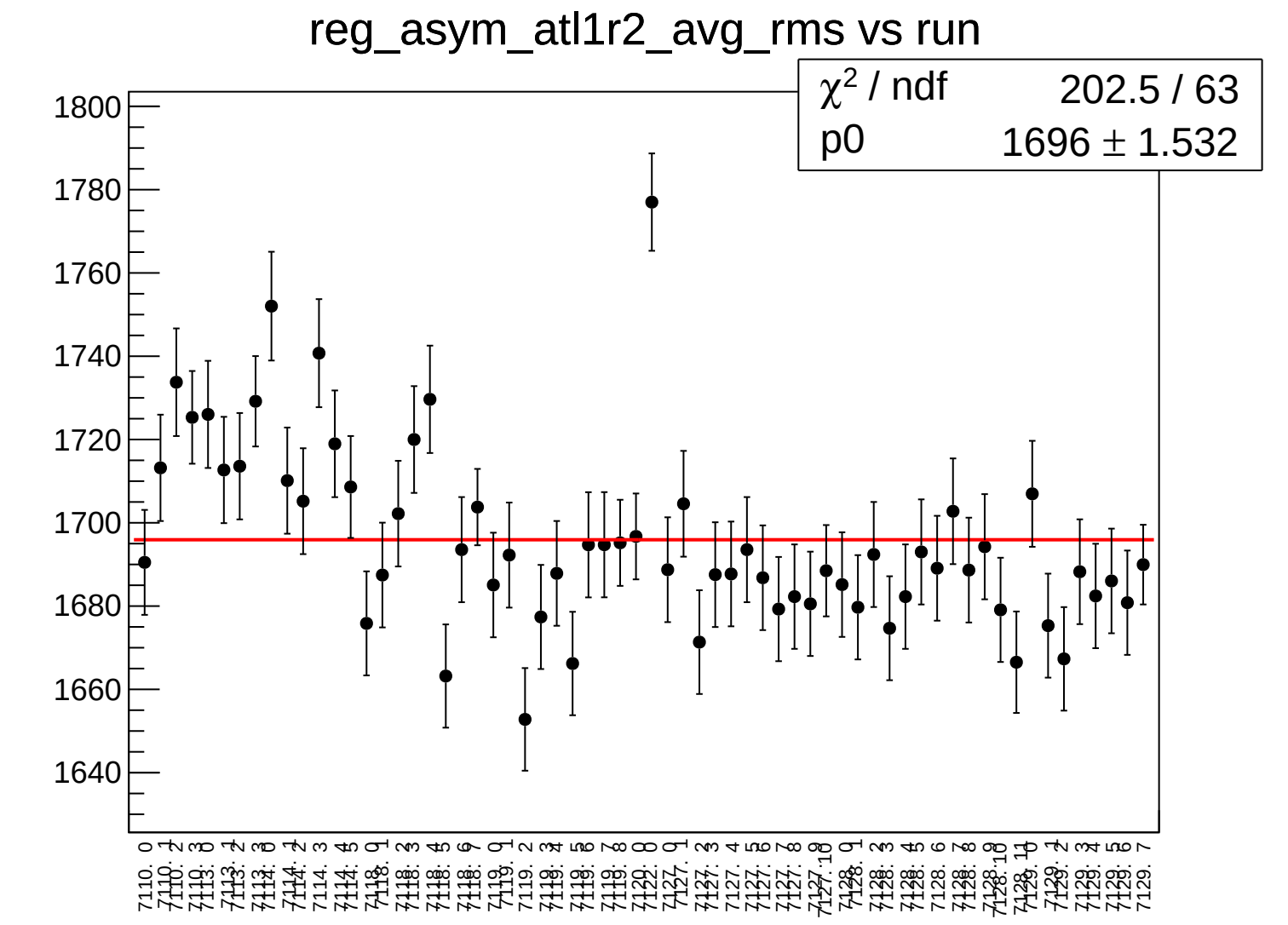

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.56 / 63
p0 −3.014e−15 ± 2.032e−14
pull
Entries 64
Mean 111.2
Std Dev 0

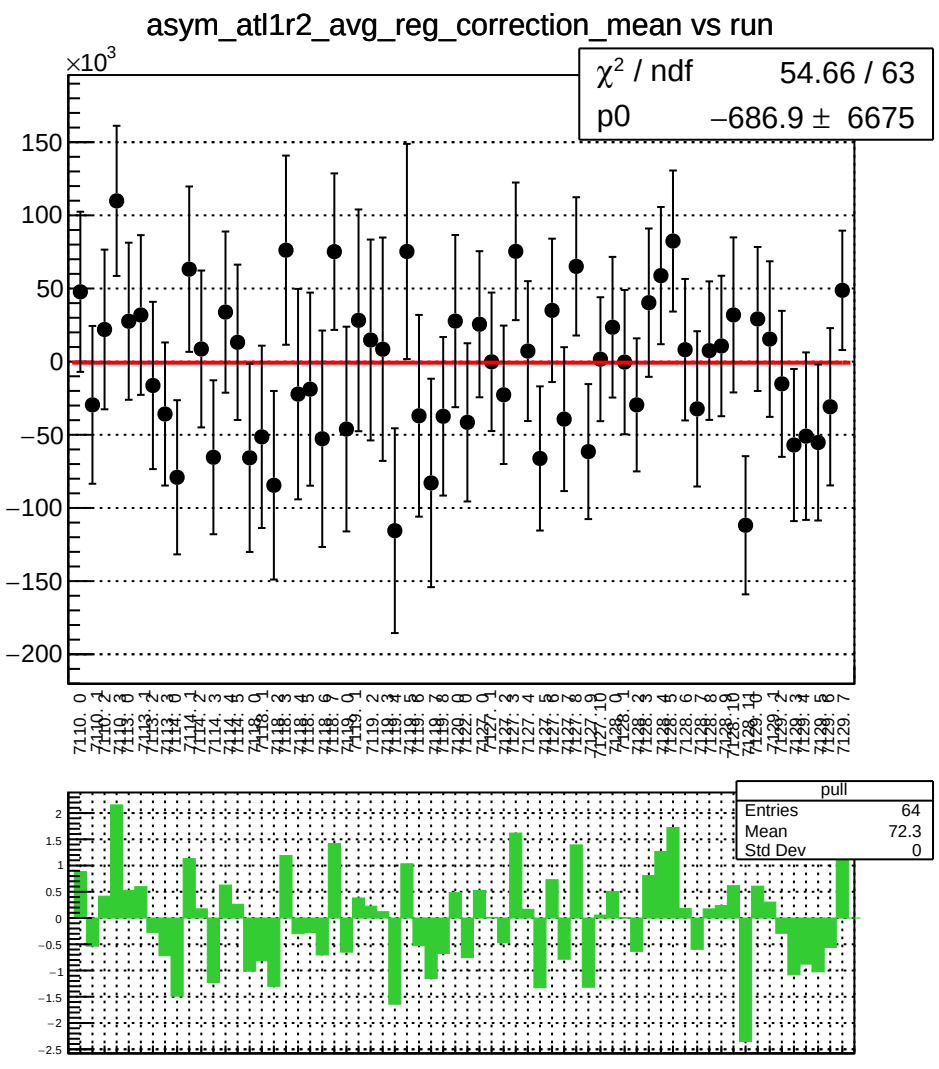

pull1D
Entries 64
Mean 0.01449
Std Dev 0.9726

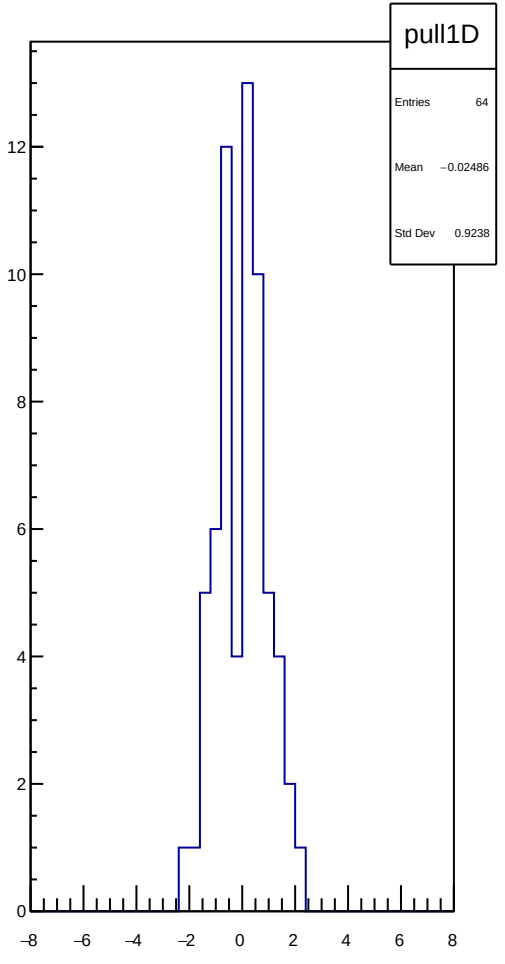

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.912e+05 / 63
p0 1.389e−11 ± 1.437e−14
90
80
70
60
50
40
30
20
10

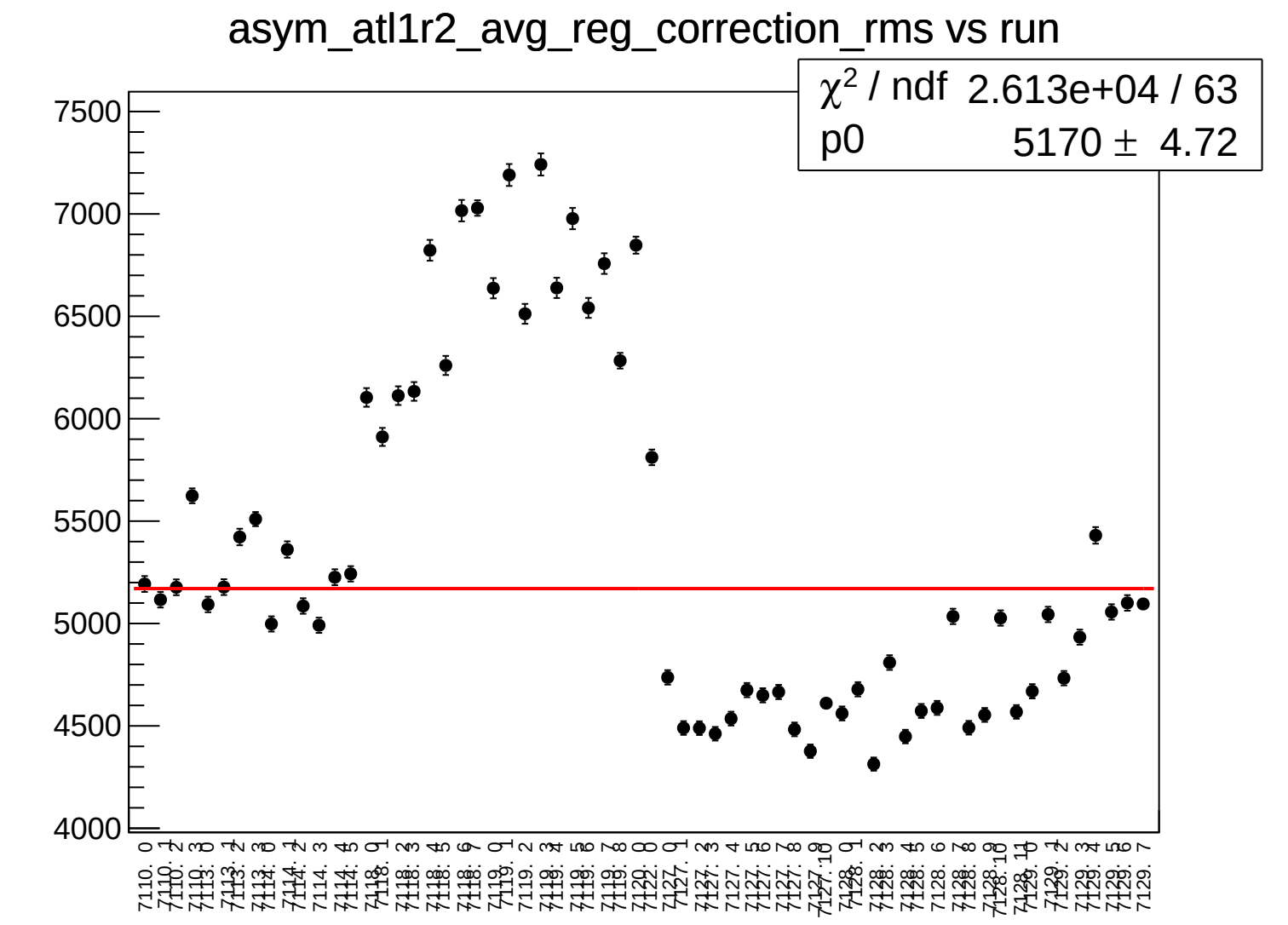

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 58.98 / 63
p0 4829 ± 2166
pull
Entries 64
Mean 110.4
Std Dev 0

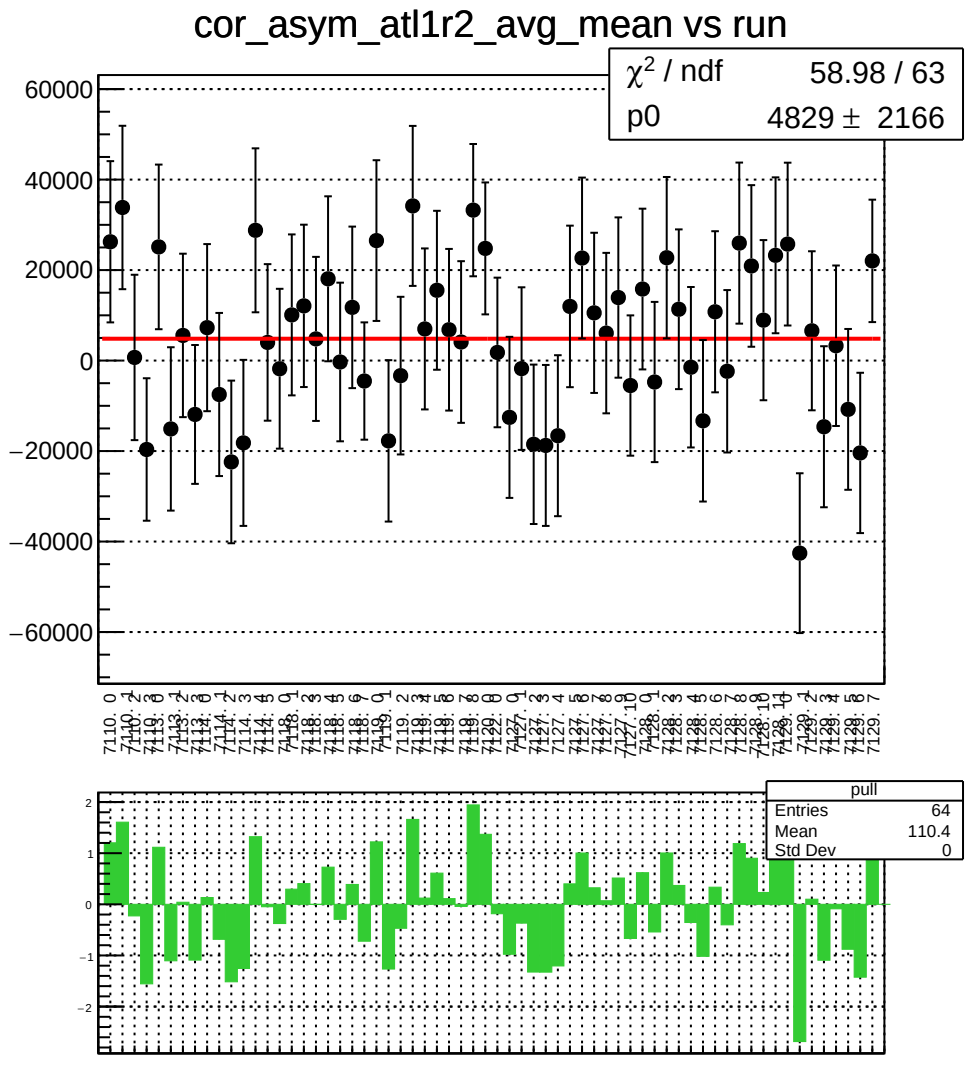

pull1D
Entries 64
Mean −0.005403
Std Dev 0.9599

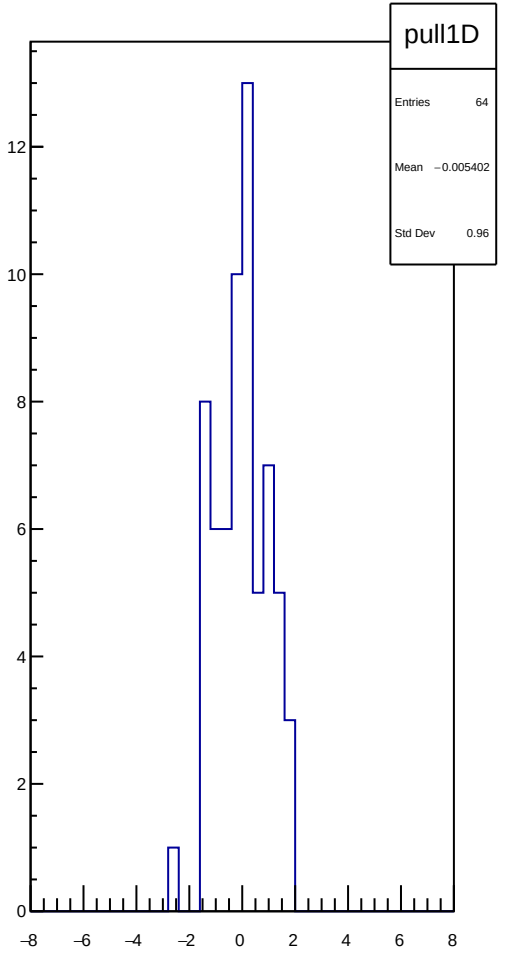

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 202.5 / 63
p0 1696 ± 1.532
1800
1780
1760
1740
1720
1700
1680
1660
1640

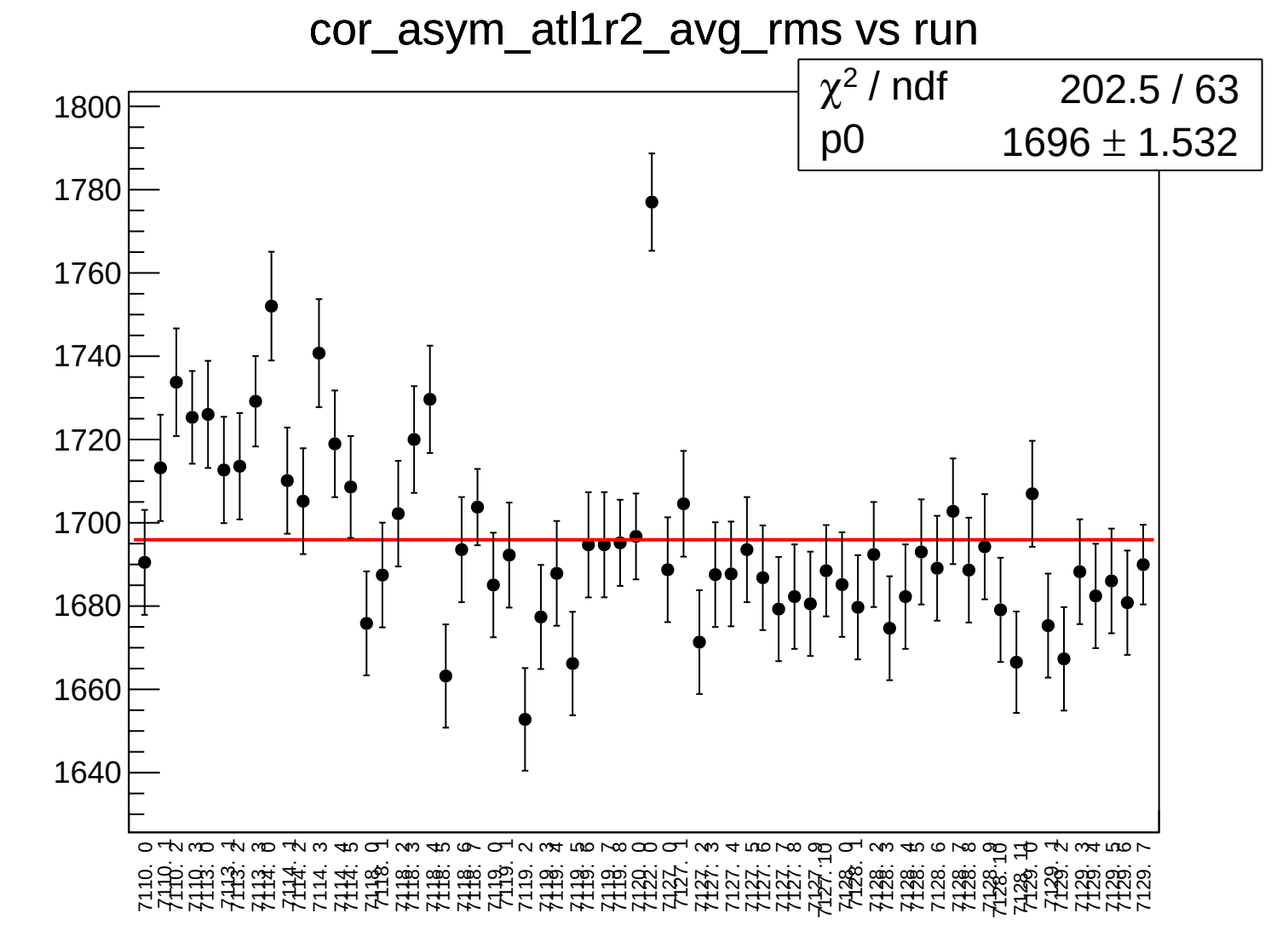

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.66 / 63
p0 −686.9 ± 6675
pull
Entries 64
Mean 72.3
Std Dev 0

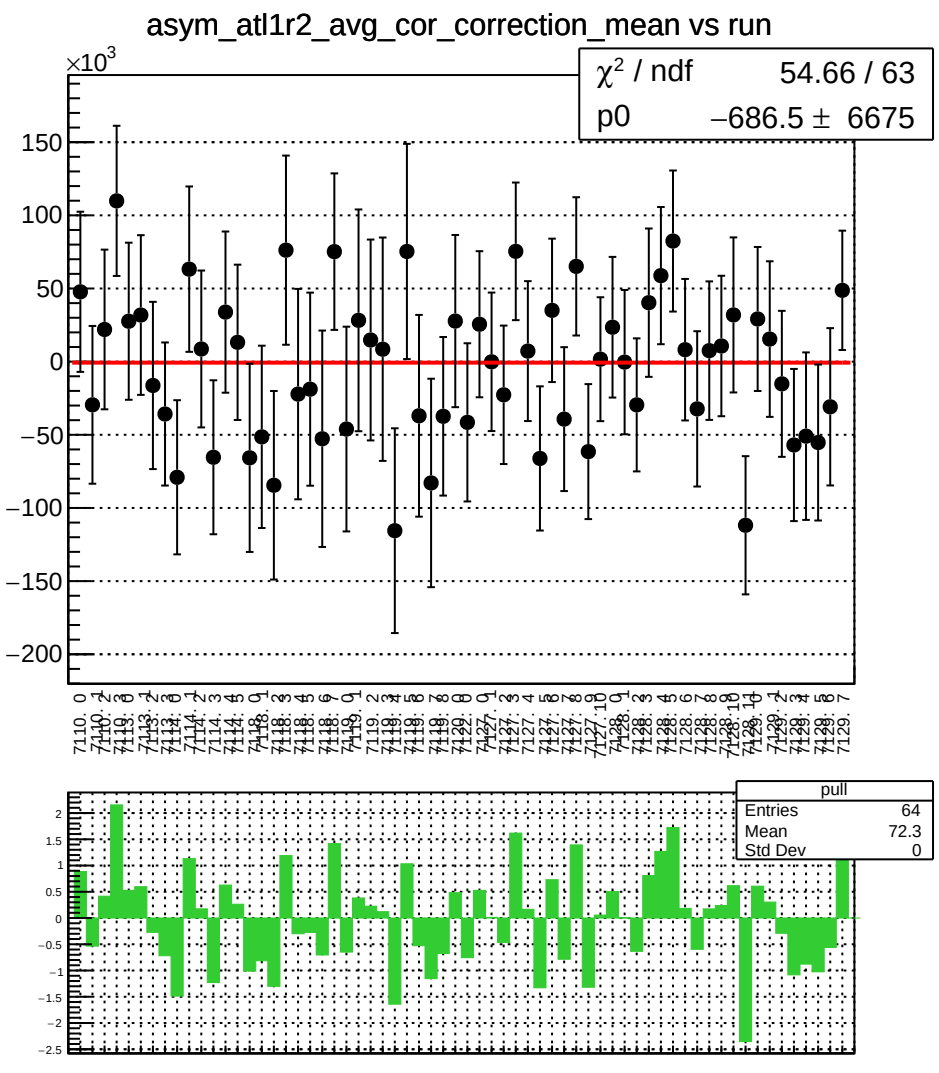

pull1D
Entries 64
Mean −0.02486
Std Dev 0.9238

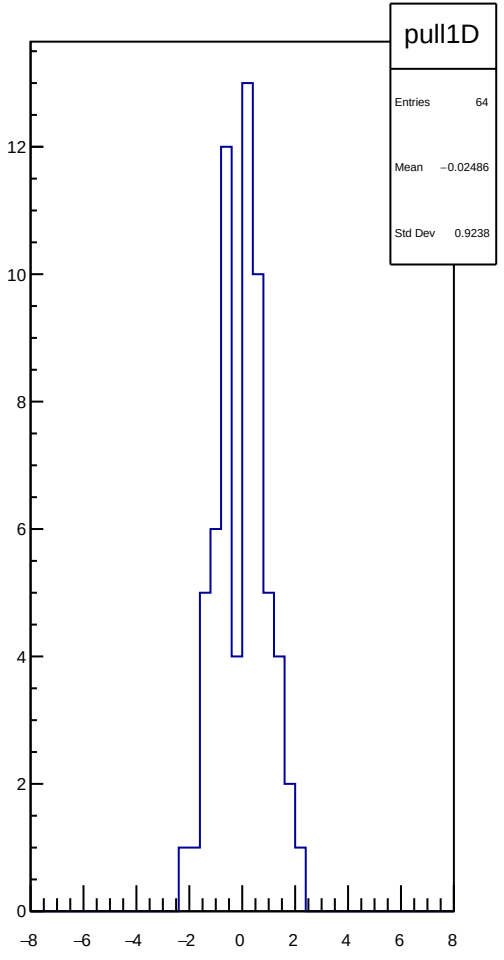

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 2.613e+04 / 63
p0 5170 ± 4.72
7500
7000
6500
6000
5500
5000
4500
4000

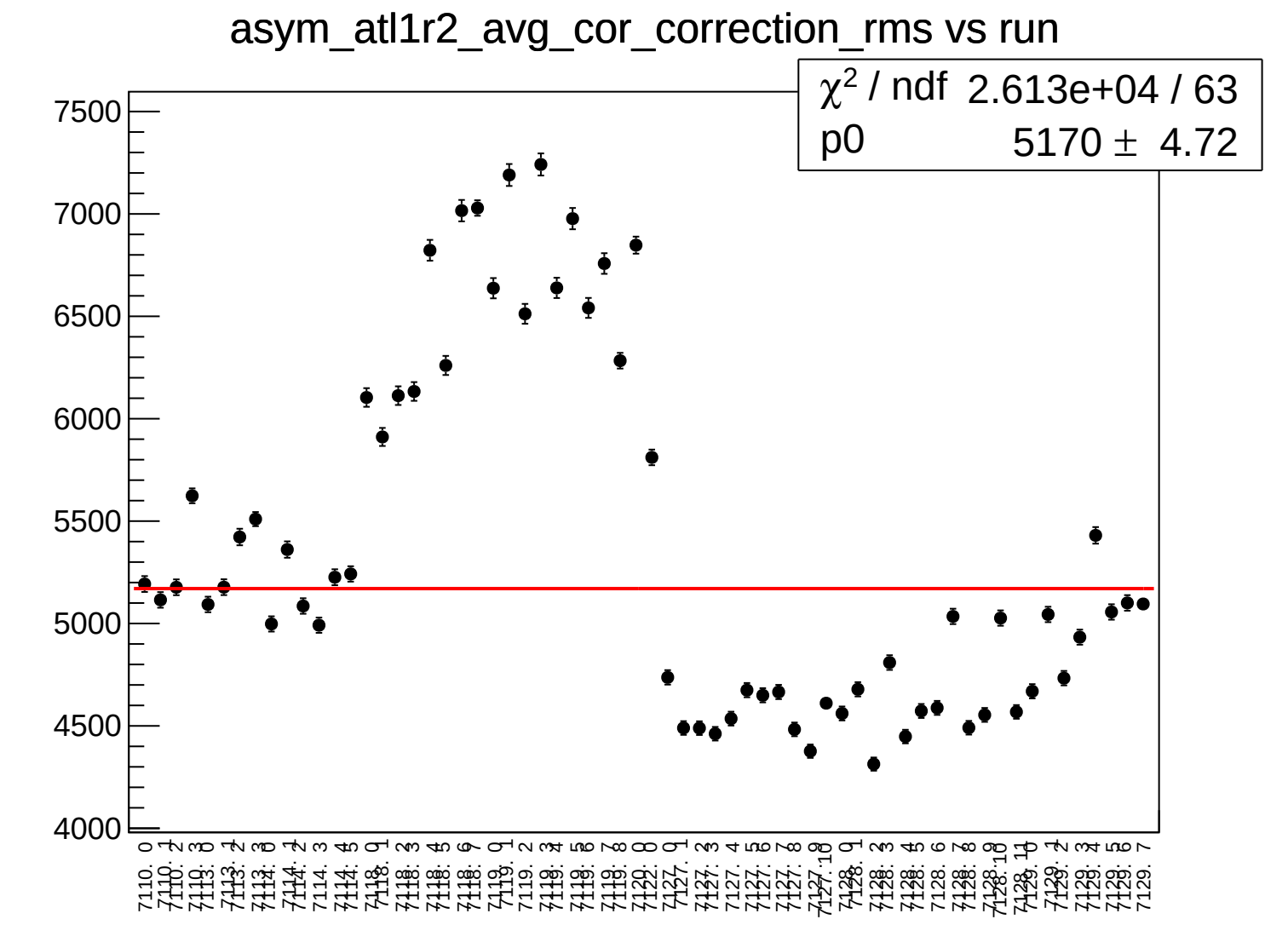

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 58.98 / 63
p0 4829 ± 2166
pull
Entries 64
Mean 110.4
Std Dev 0

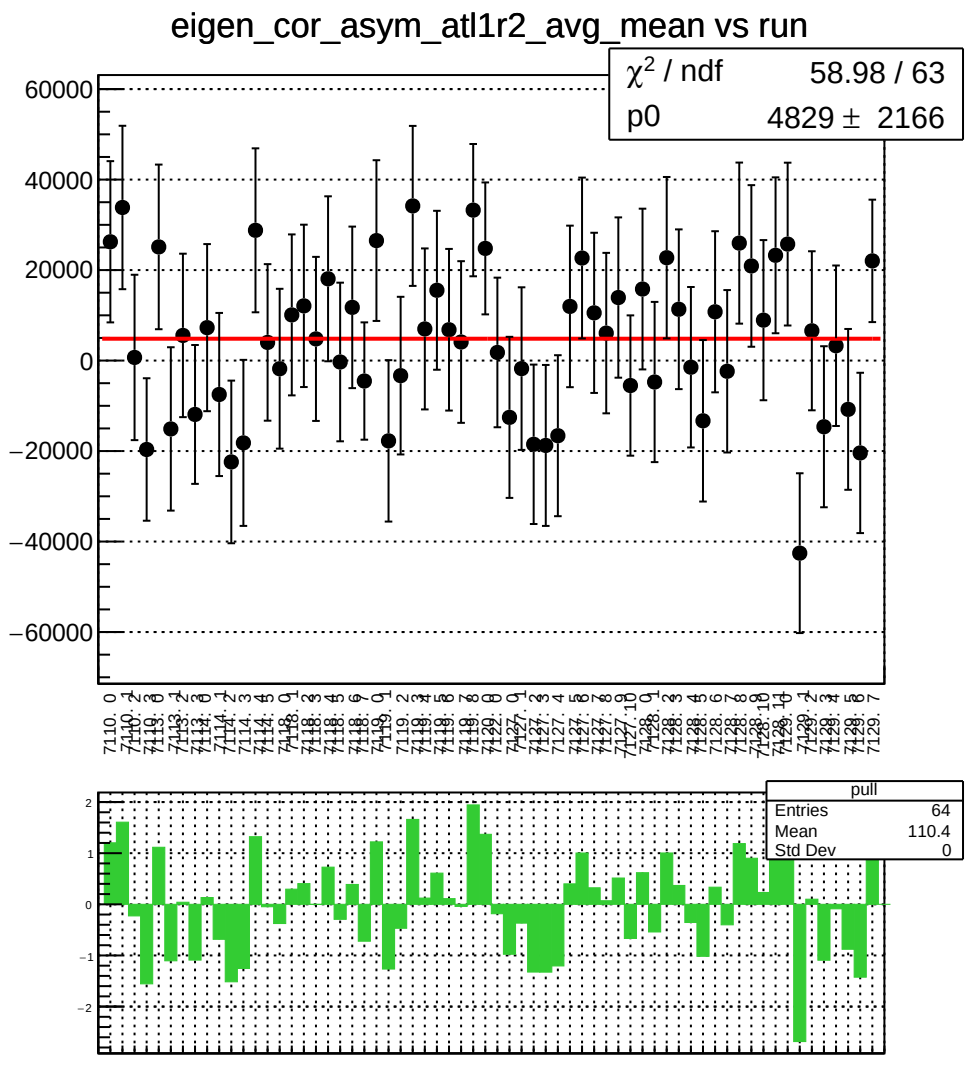

pull1D
Entries 64
Mean −0.005402
Std Dev 0.96

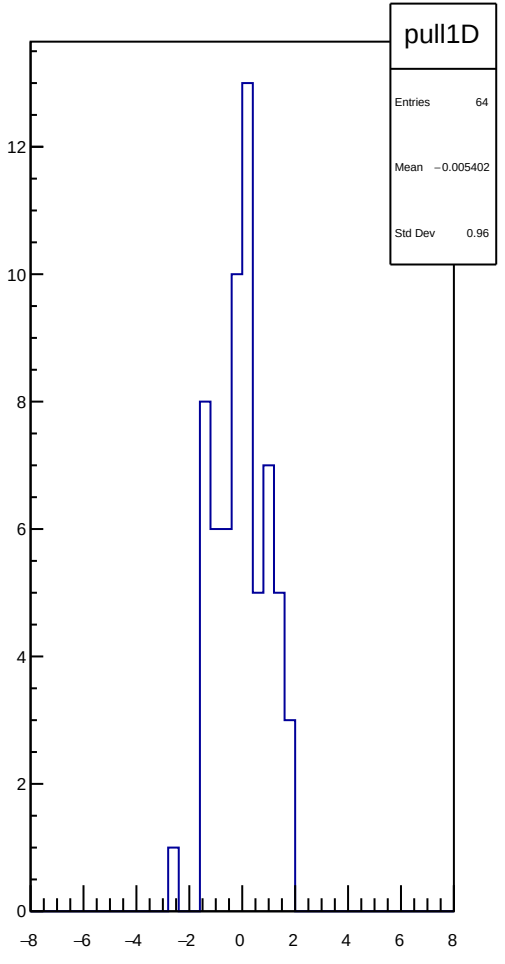

cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 202.5 / 63
p0 1696 ± 1.532
1800
1780
1760
1740
1720
1700
1680
1660
1640

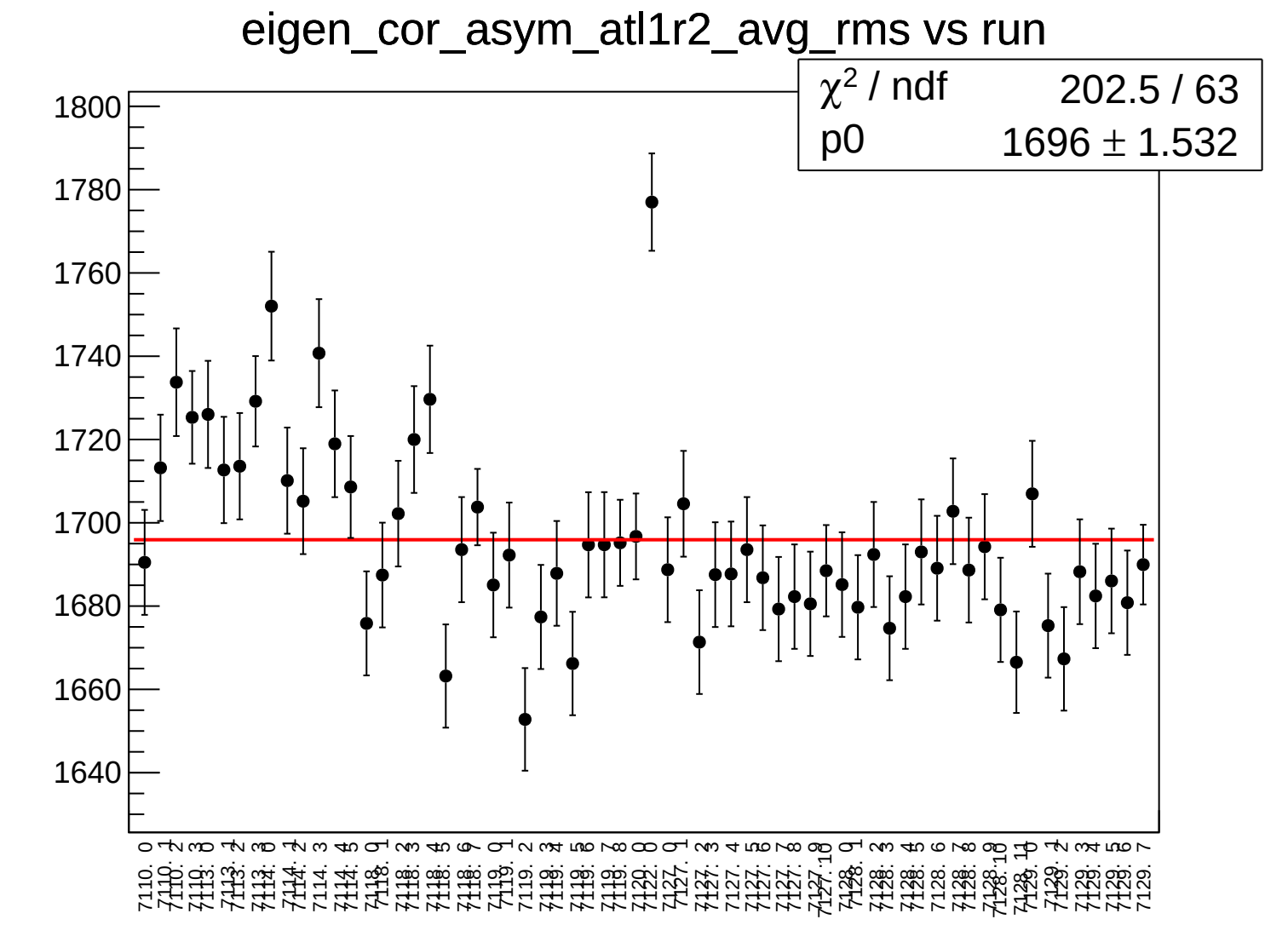

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.66 / 63
p0 −686.5 ± 6675
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 72.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

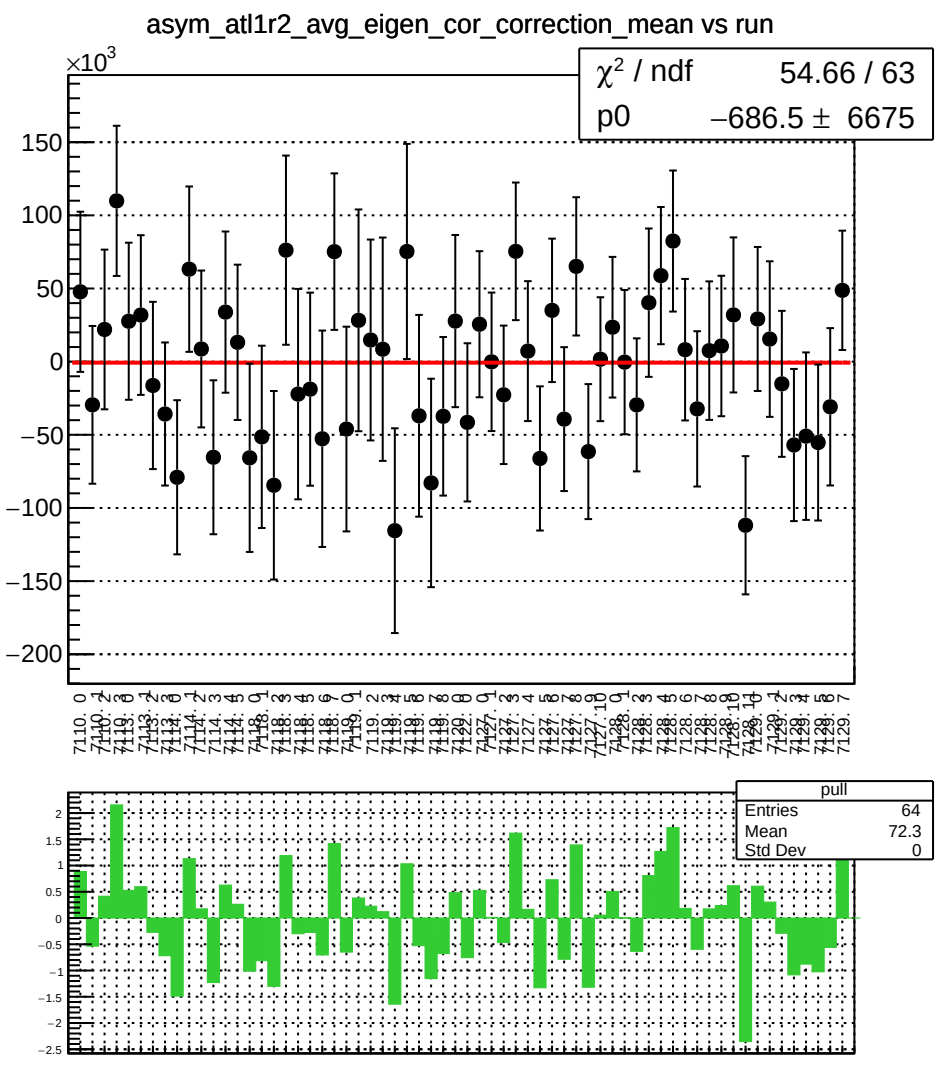

pull1D
Entries 64
Mean −0.02486
Std Dev 0.9238
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

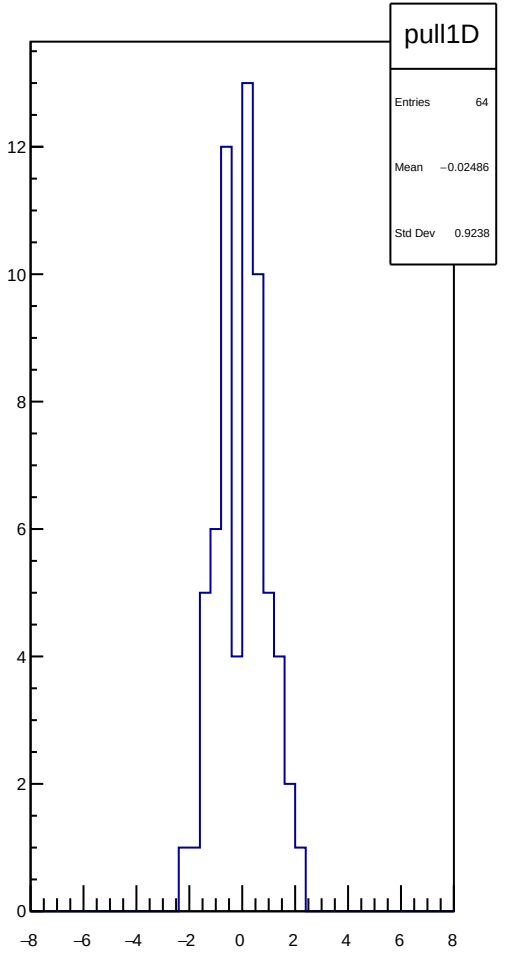

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 2.613e+04 / 63
p0 5170 ± 4.72
7500
7000
6500
6000
5500
5000
4500
4000

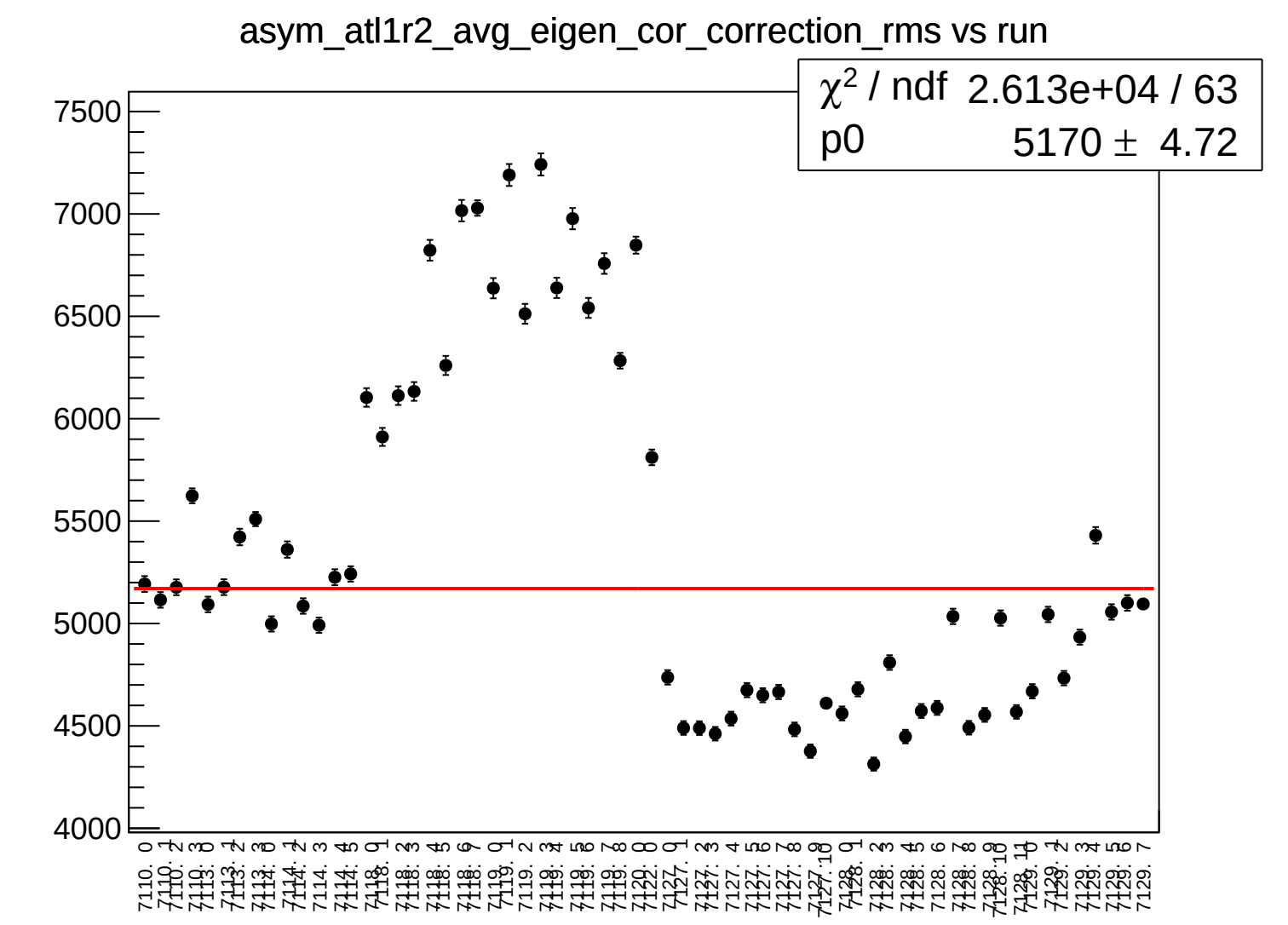

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 58.98 / 63
p0 4829 ± 2166
pull
Entries 64
Mean 110.4
Std Dev 0

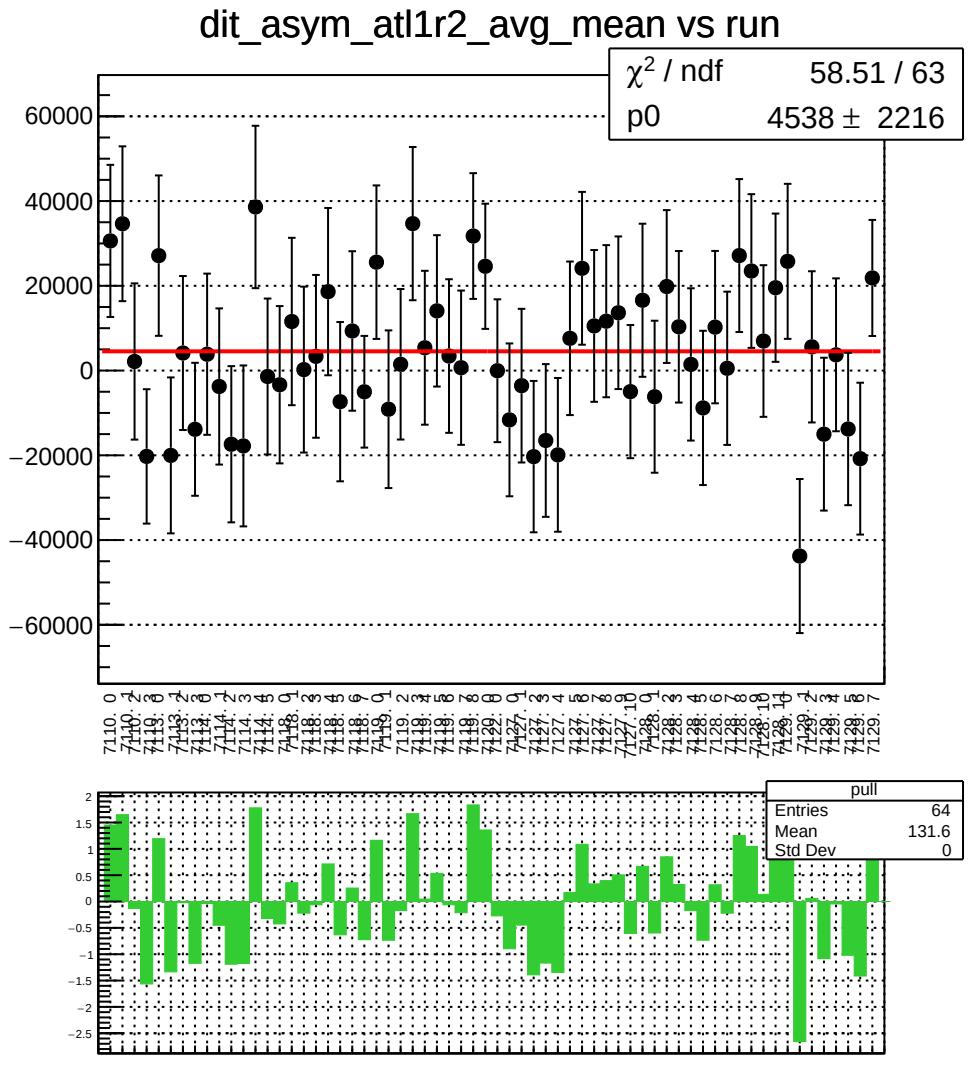

pull1D
Entries 64
Mean −0.005402
Std Dev 0.96

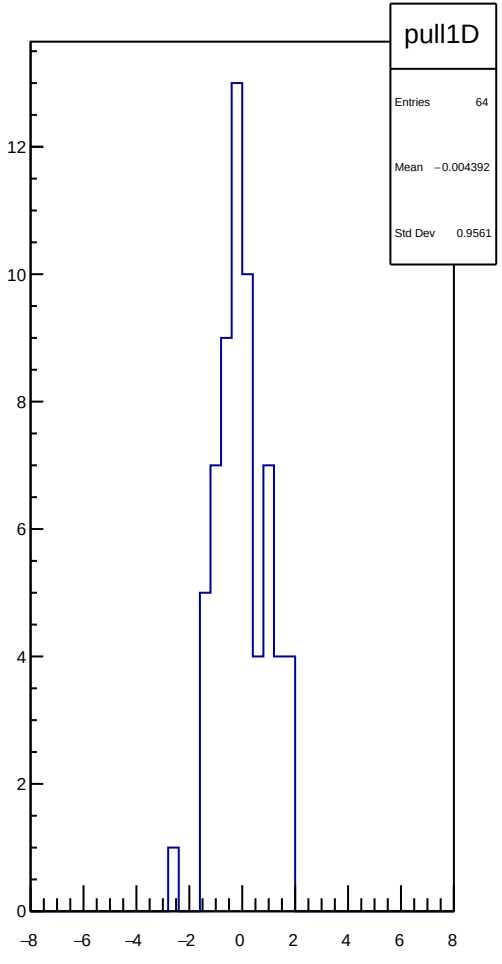

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 202.5 / 63
p0 1696 ± 1.532
1800
1780
1760
1740
1720
1700
1680
1660
1640

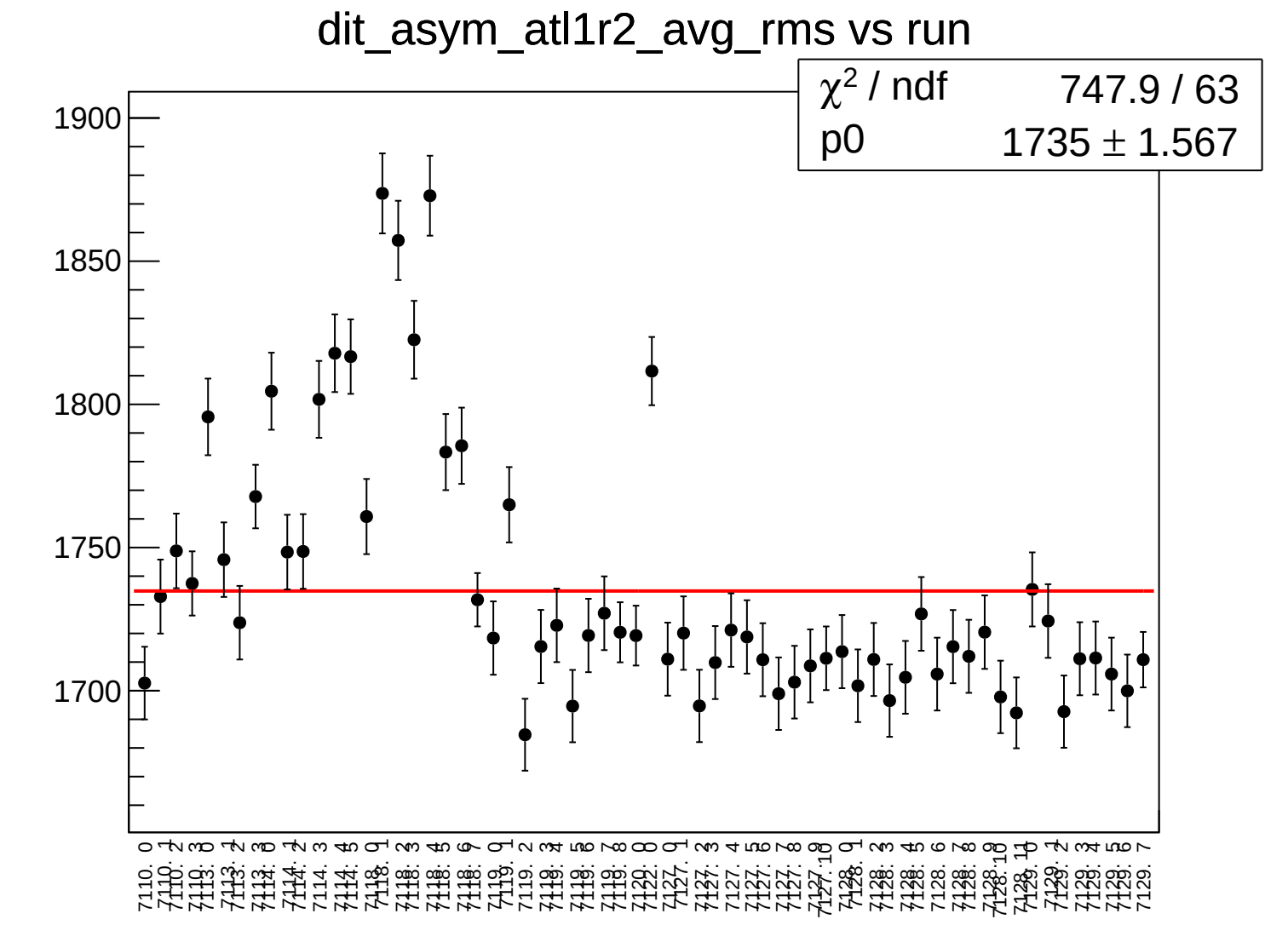

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.66 / 63
p0 −686.5 ± 6675
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 72.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

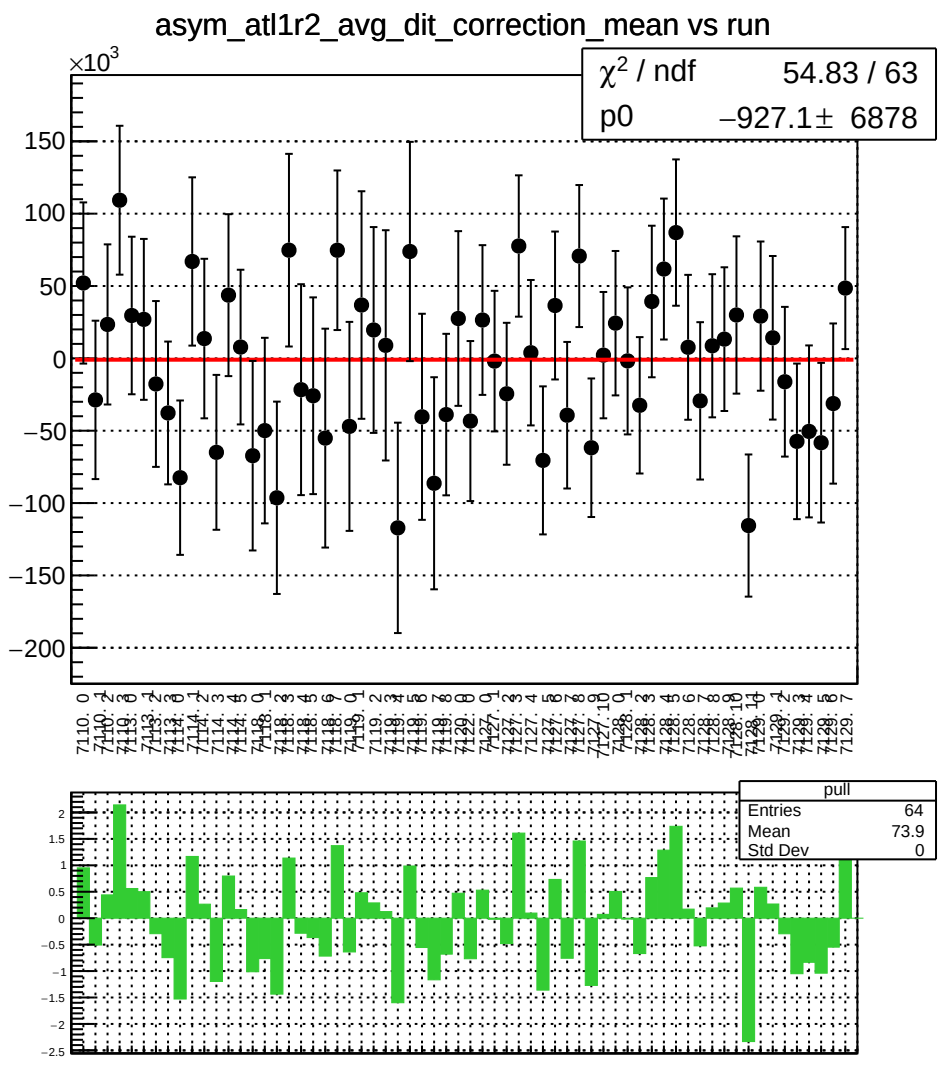

pull1D
Entries 64
Mean −0.02486
Std Dev 0.9238
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

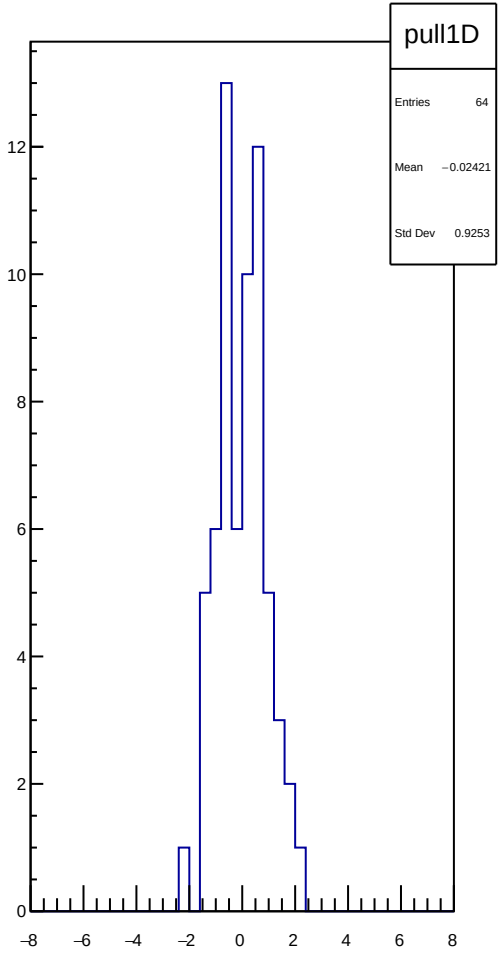

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.613e+04 / 63
p0 5170 ± 4.72
7500
7000
6500
6000
5500
5000
4500
4000

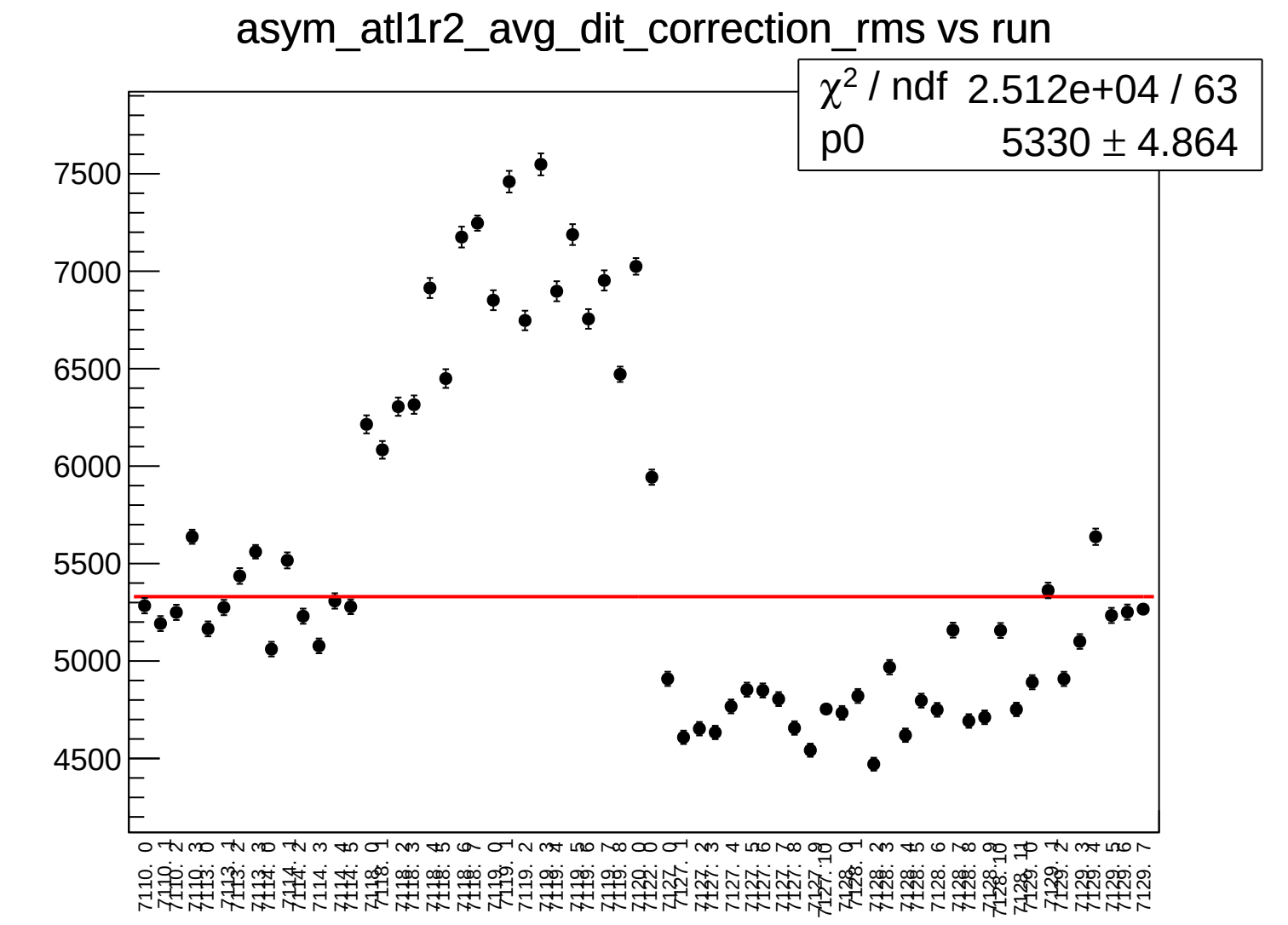

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 58.51 / 63
p0 4538 ± 2216
pull
Entries 64
Mean 131.6
Std Dev 0

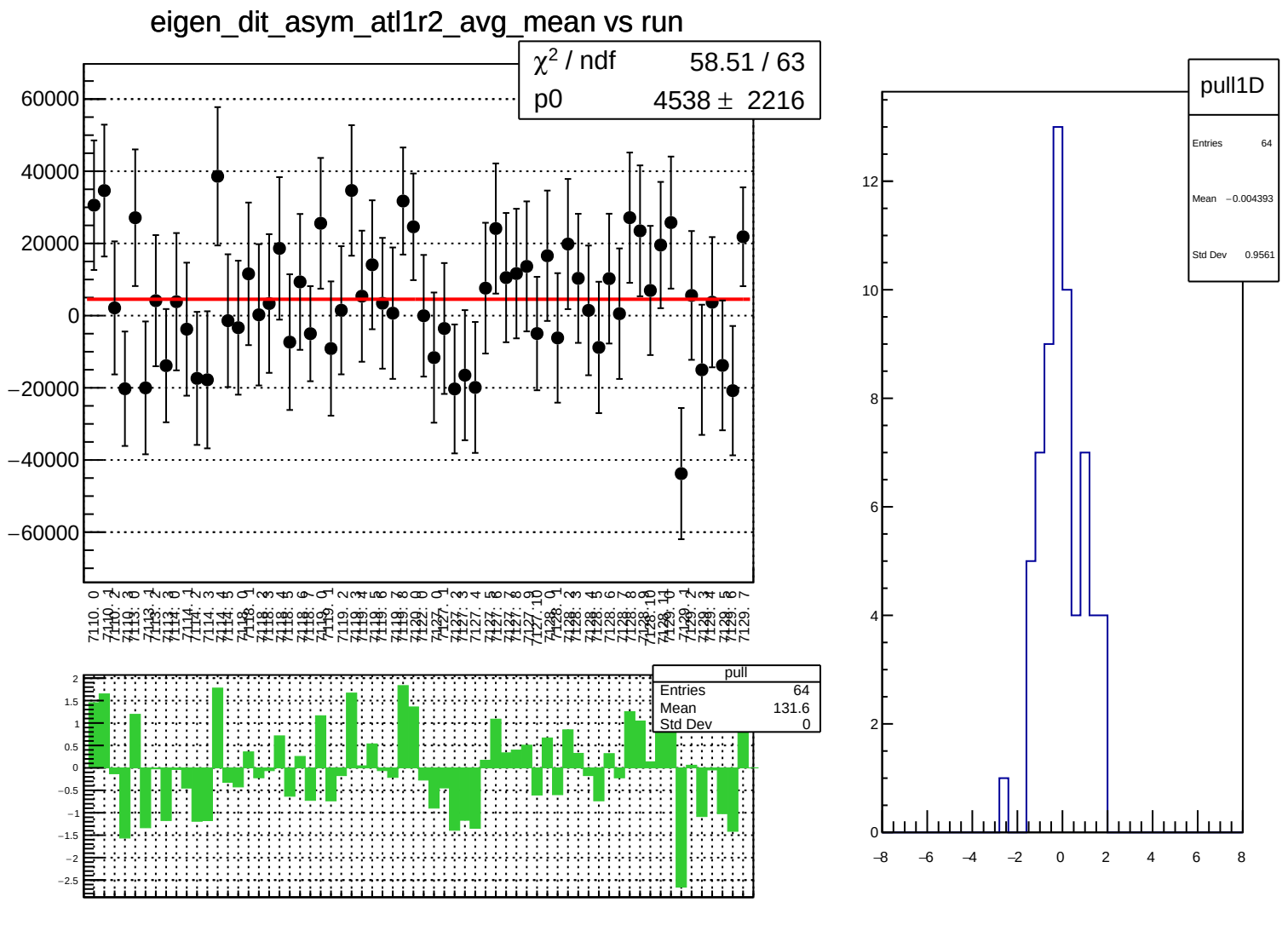

pull1D
Entries 64
Mean −0.004392
Std Dev 0.9561

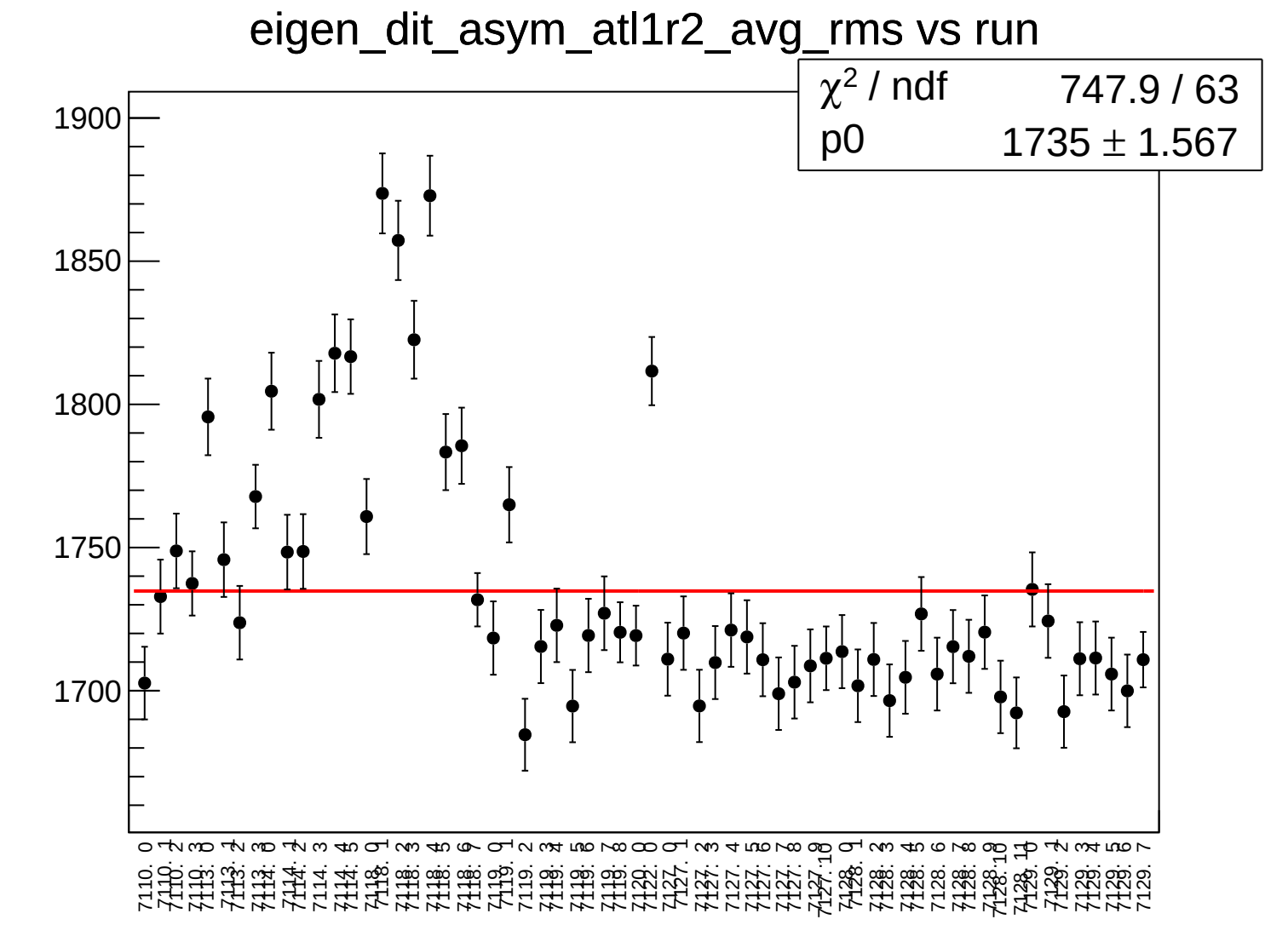

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 747.9 / 63
p0 1735 ± 1.567
1900
1850
1800
1750
1700

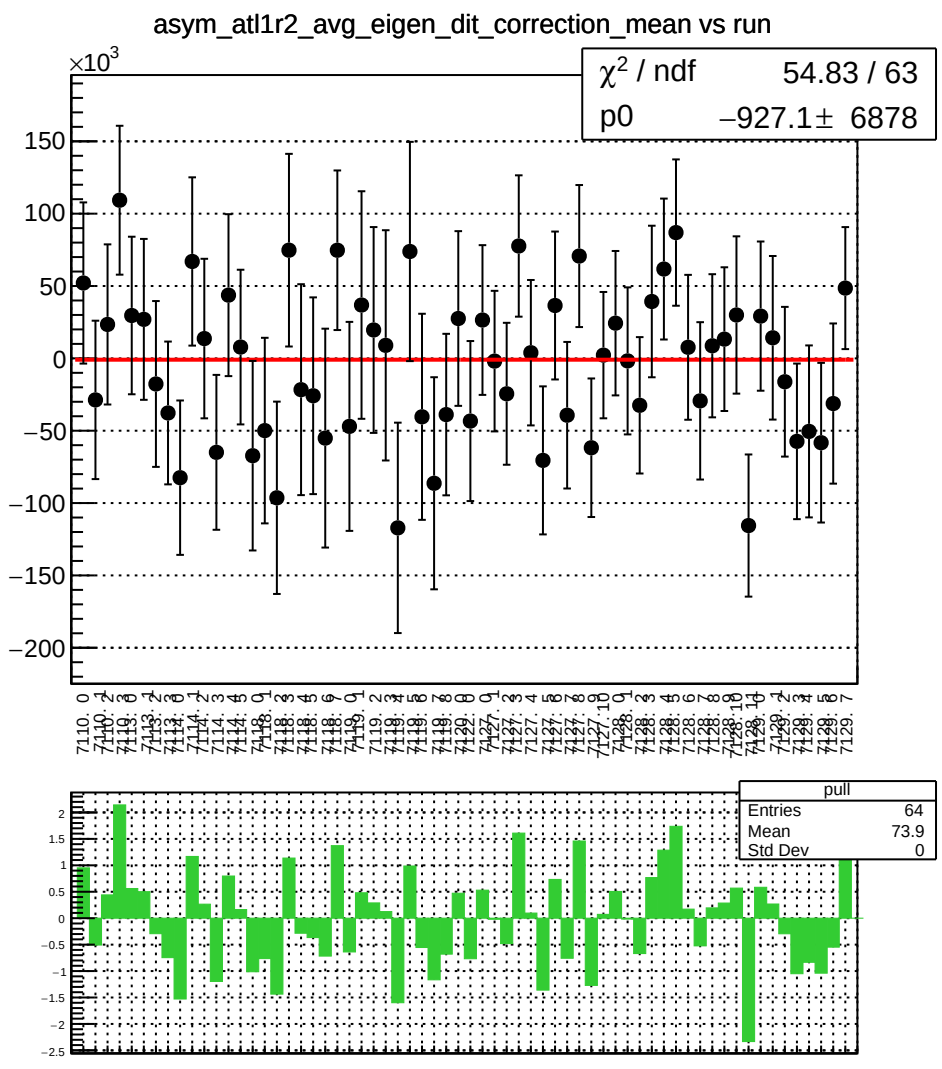

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 54.83 / 63
p0 −927.1± 6878
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 73.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

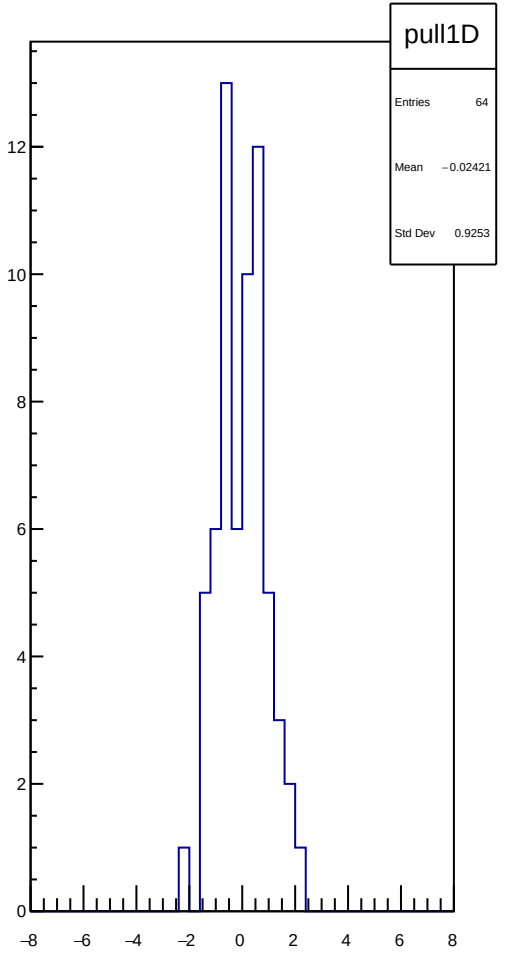

pull1D
Entries 64
Mean −0.02421
Std Dev 0.9253
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

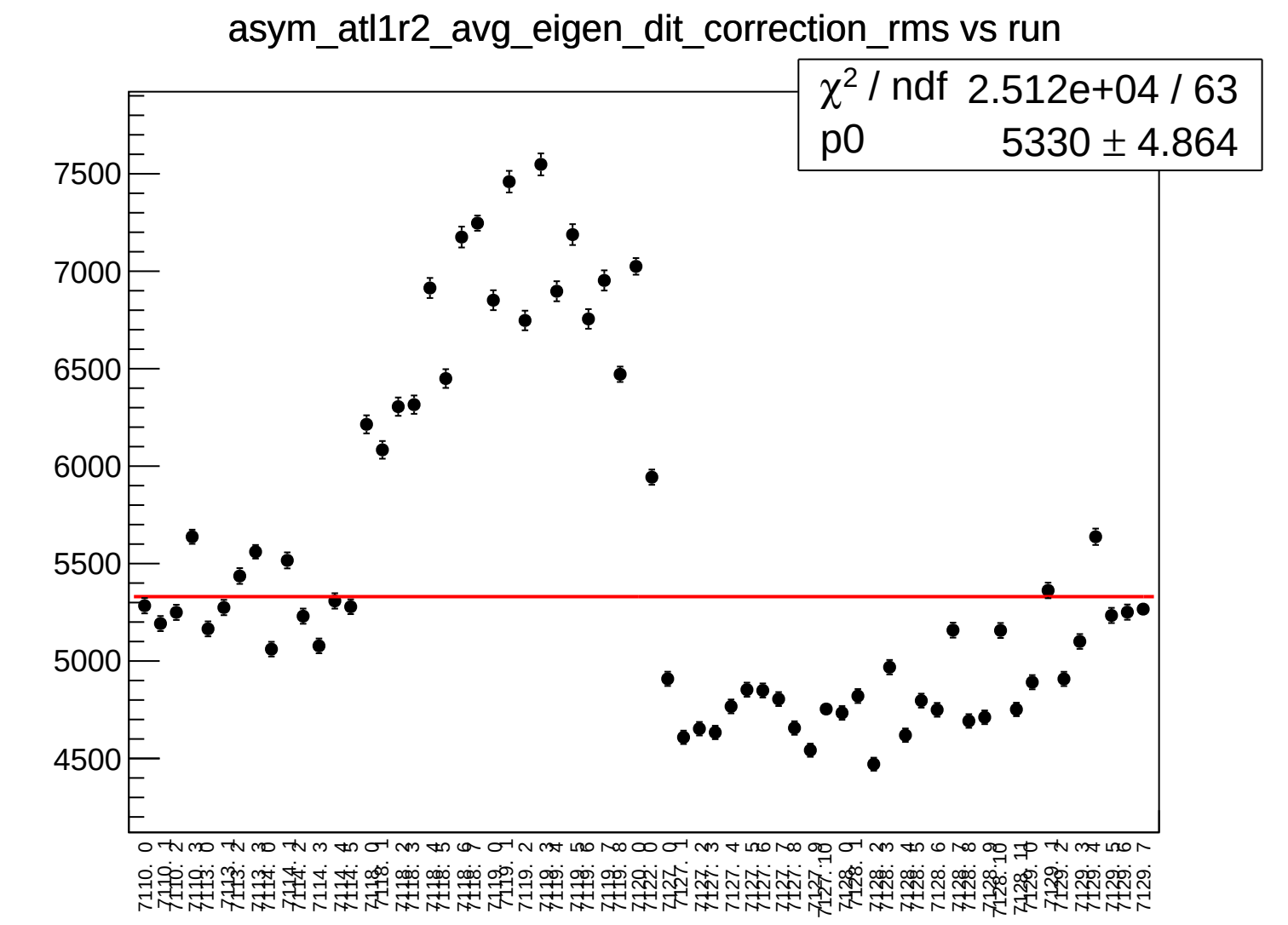

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 2.512e+04 / 63
p0 5330 ± 4.864
7500
7000
6500
6000
5500
5000
4500

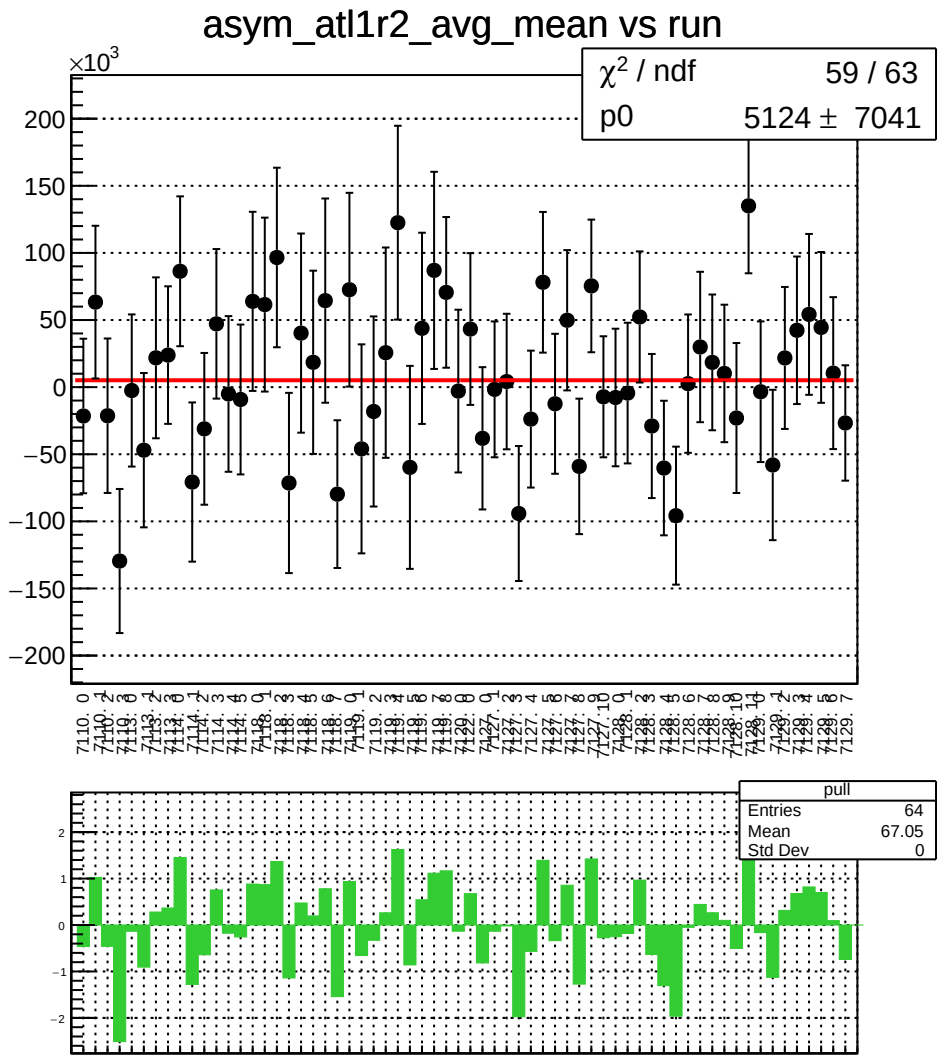

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 58.51 / 63
p0 4538 ± 2216
pull
Entries 64
Mean 131.6
Std Dev 0
pull1D
Entries 64
Mean −0.004393
Std Dev 0.9561

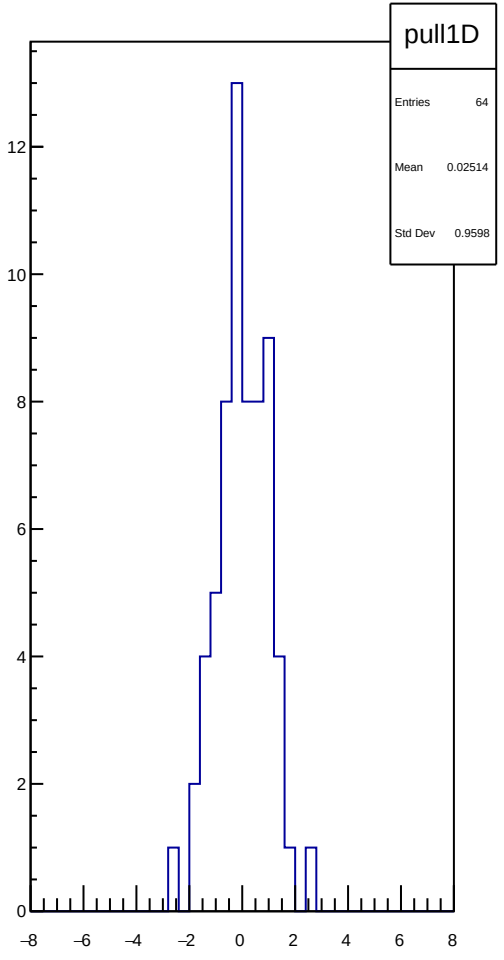

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 747.9 / 63
p0 1735 ± 1.567
1900
1850
1800
1750
1700

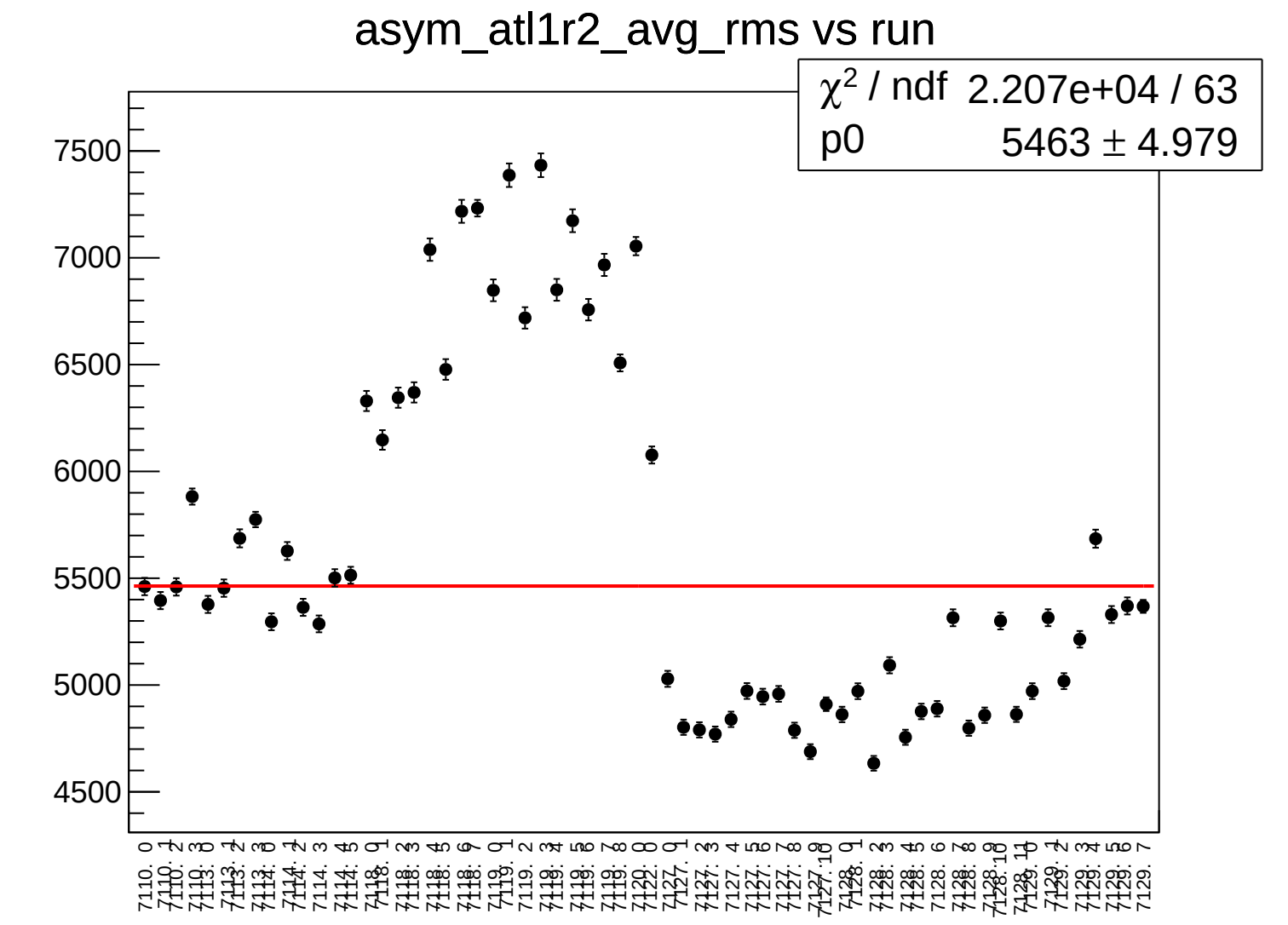

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.83 / 63
p0 −927.1± 6878
pull
Entries 64
Mean 73.9
Std Dev 0

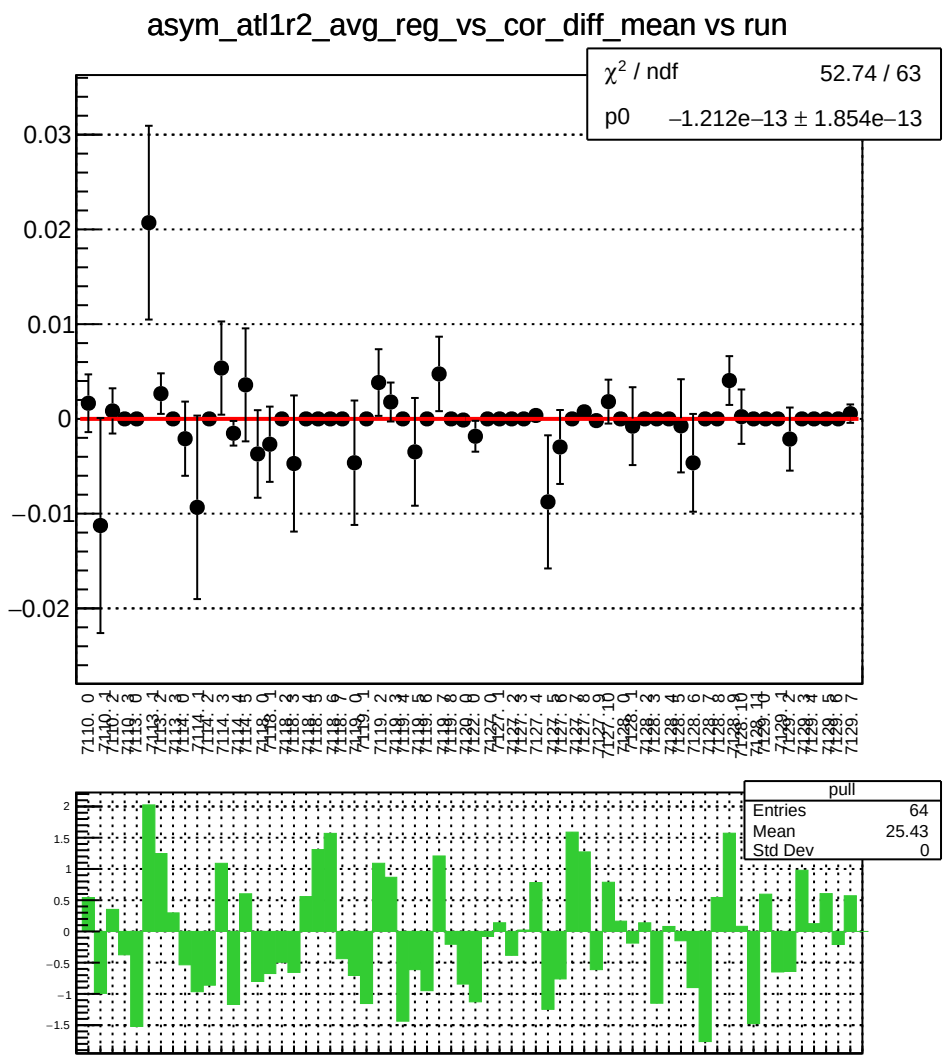

pull1D
Entries 64
Mean −0.02421
Std Dev 0.9253

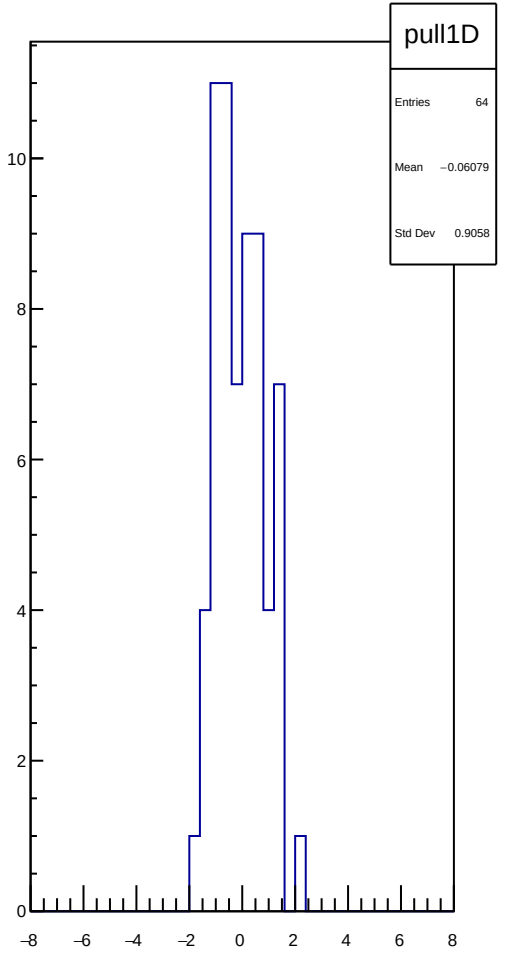

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.512e+04 / 63
p0 5330 ± 4.864
7500
7000
6500
6000
5500
5000
4500

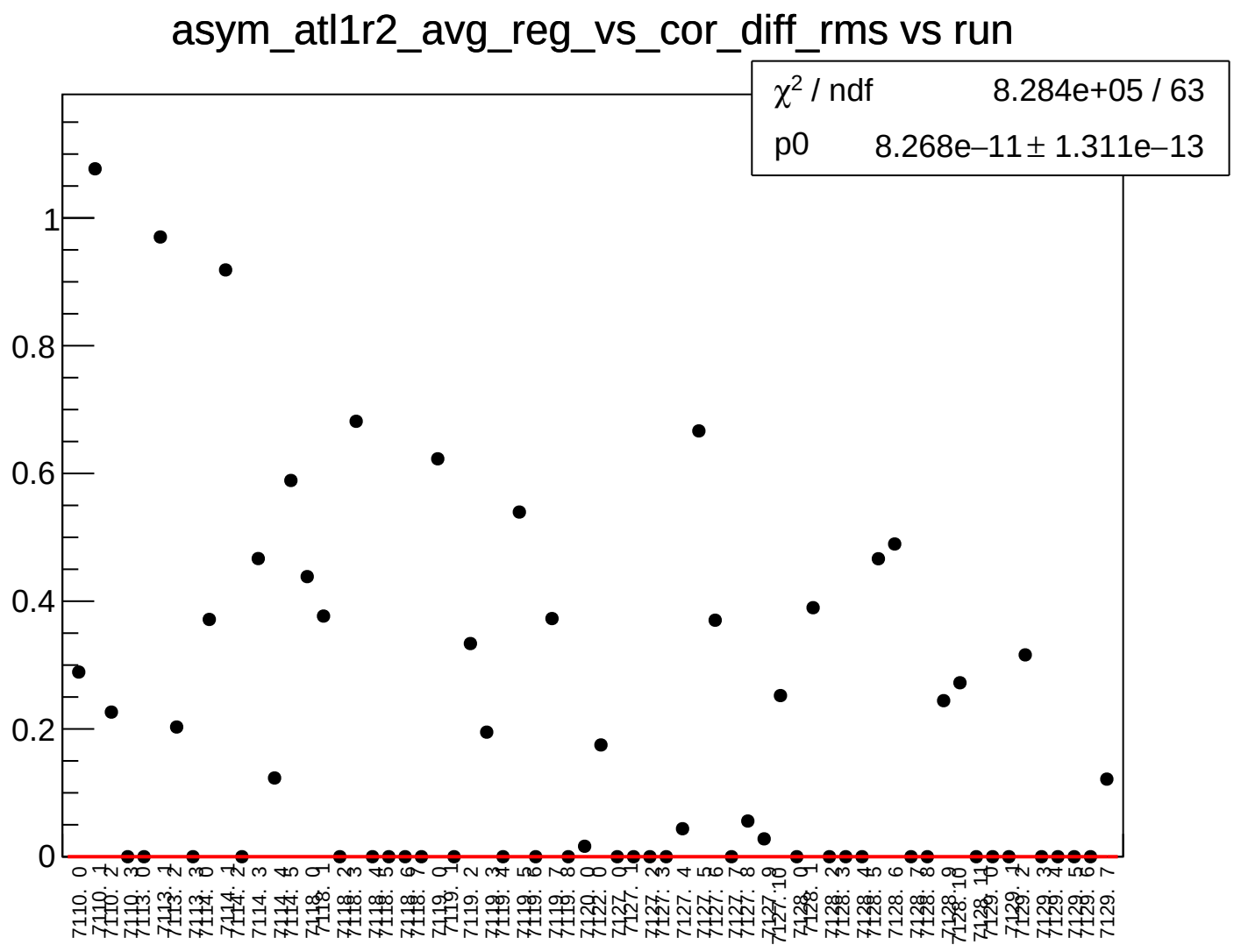

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 59 / 63
p0 5124 ± 7041
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 67.05
Std Dev 0
2
1
0
−1
−2

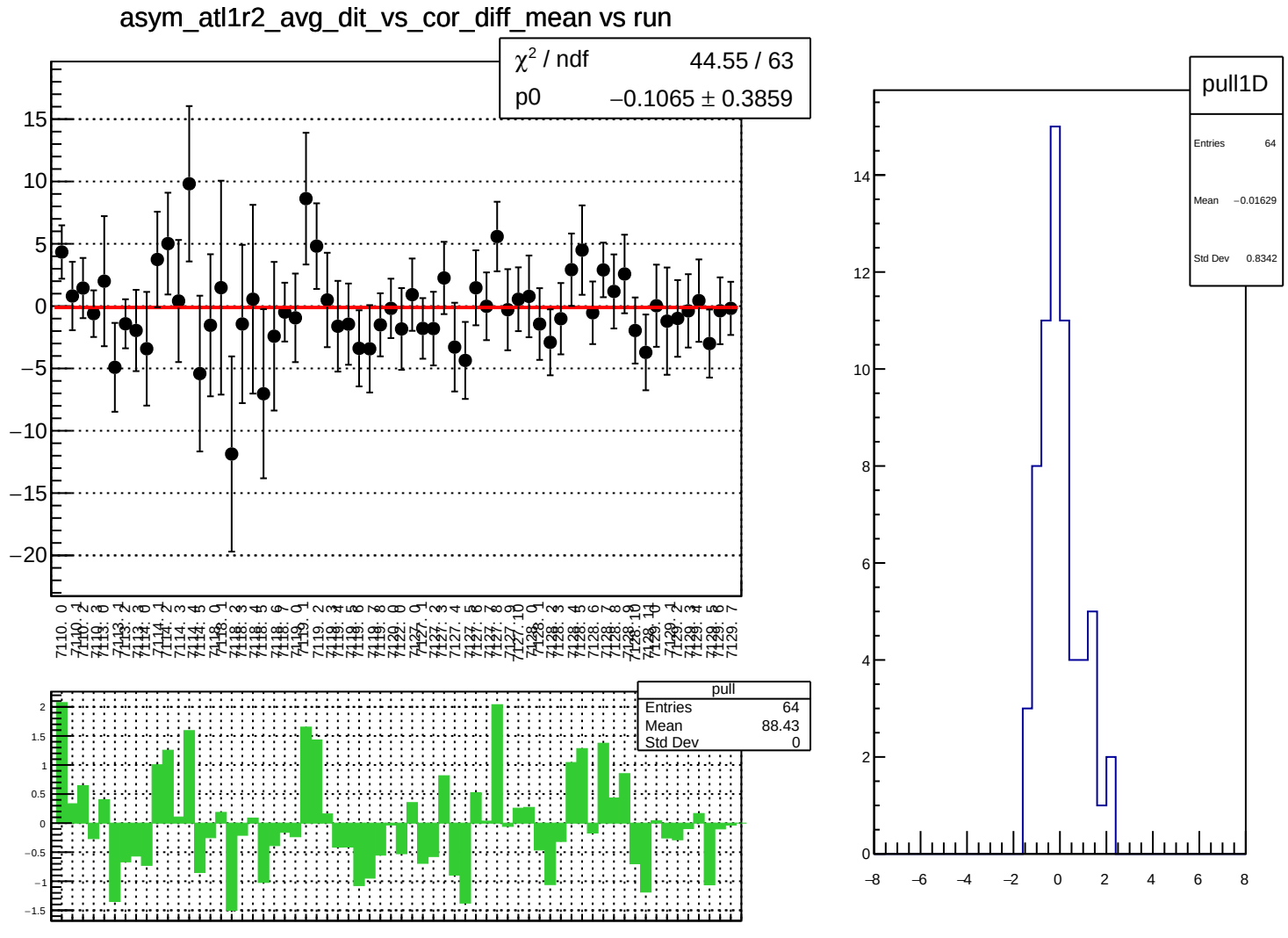

pull1D
Entries 64
Mean 0.02514
Std Dev 0.9598
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

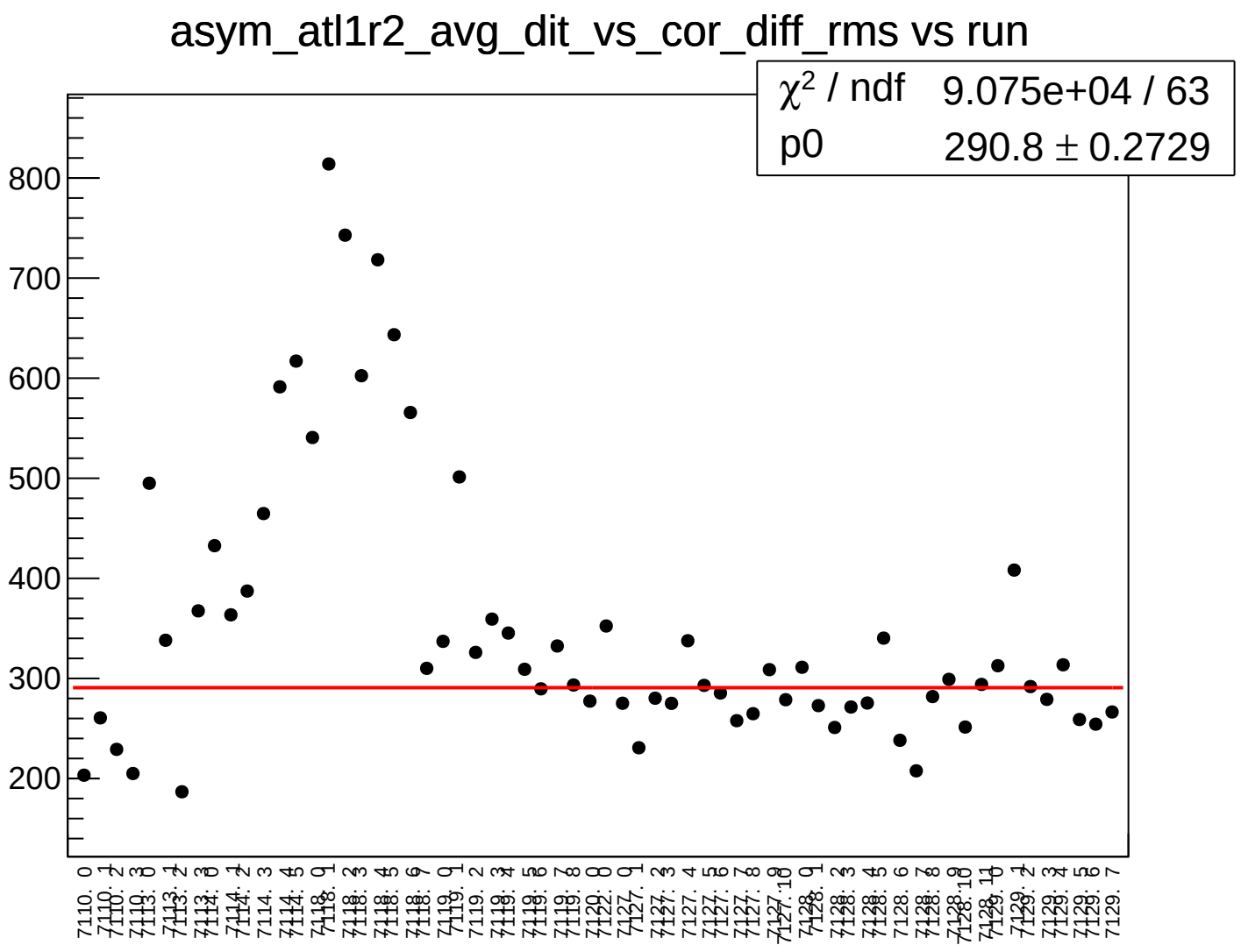

asym_atl1r2_avg_rms vs run
χ^2 / ndf 2.207e+04 / 63
p0 5463 ± 4.979
7500
7000
6500
6000
5500
5000
4500

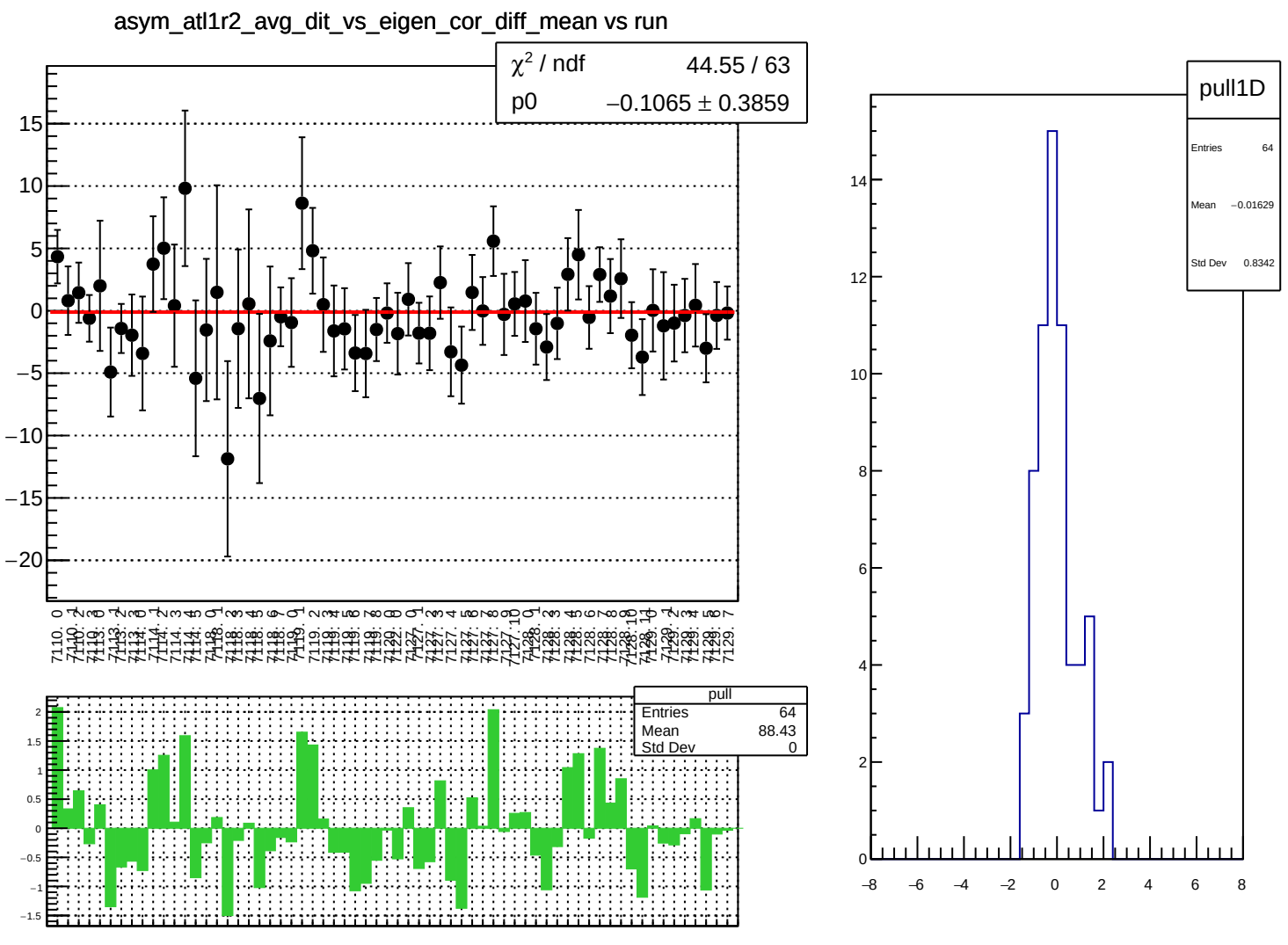

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.74 / 63
p0 −1.212e−13 ± 1.854e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean 25.43
Std Dev 0

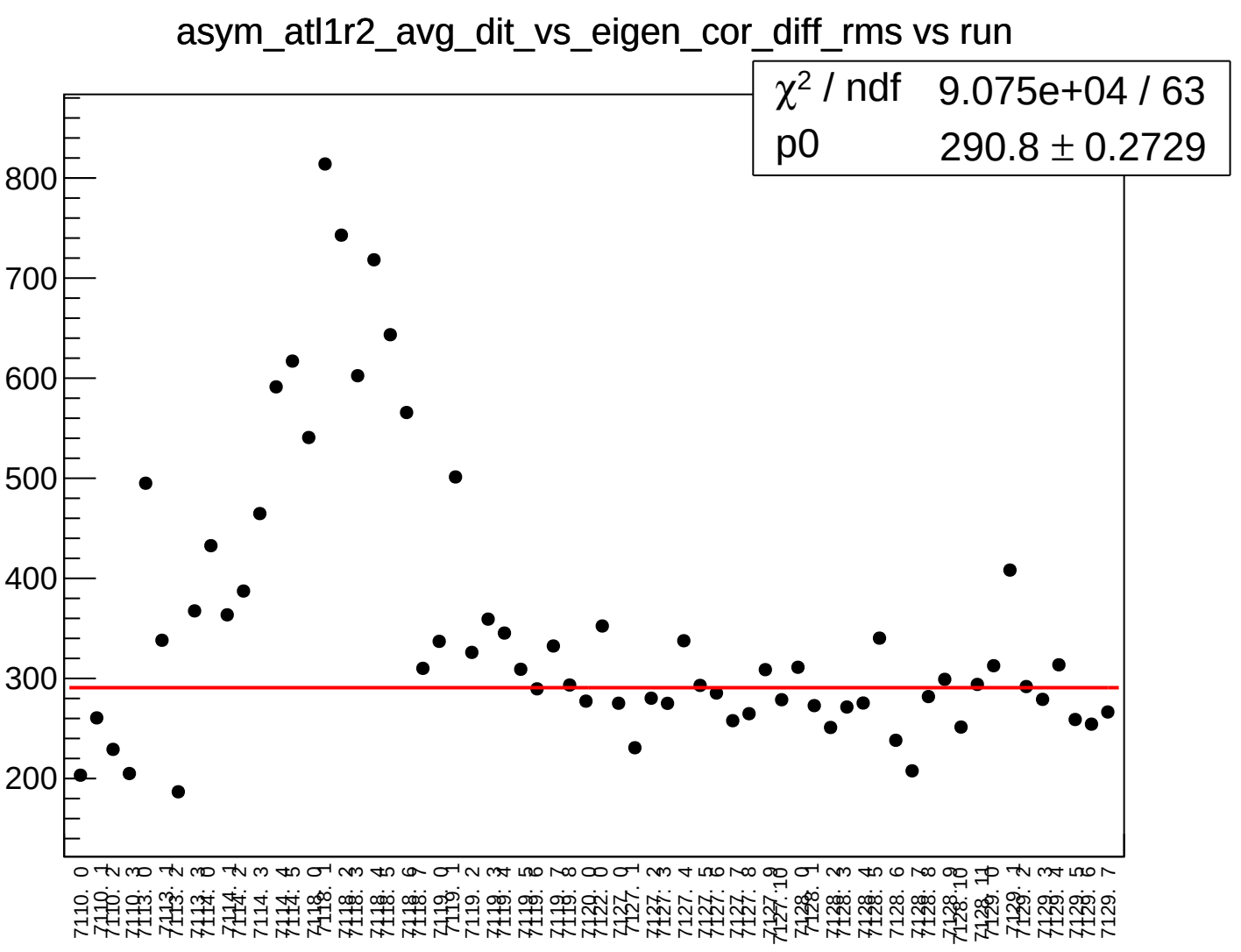

pull1D
Entries 64
Mean −0.06079
Std Dev 0.9058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

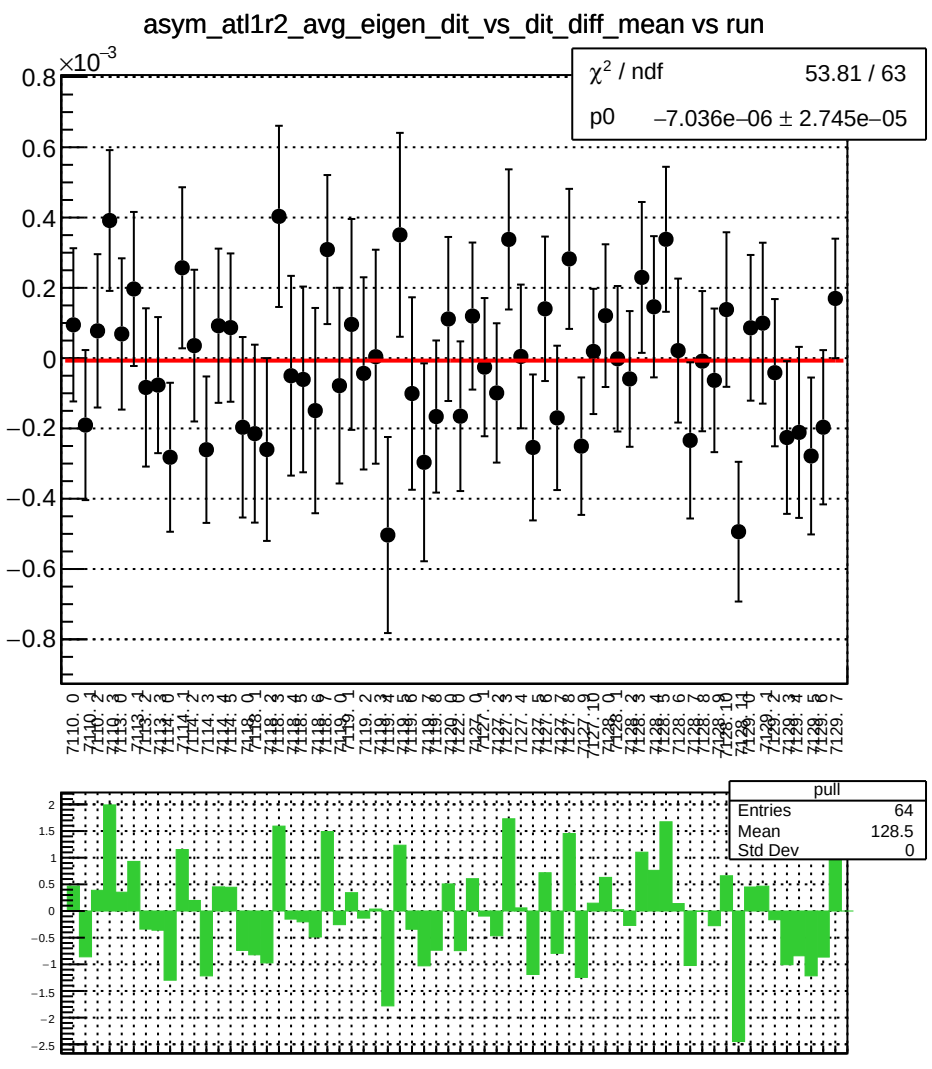

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.284e+05 / 63
p0 8.268e−11 ± 1.311e−13
1
0.8
0.6
0.4
0.2
0

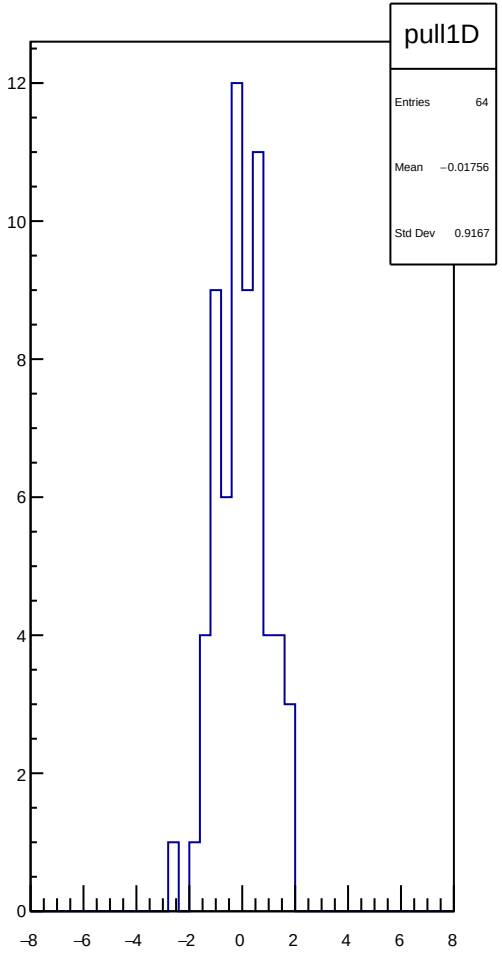

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.55 / 63
p0 −0.1065 ± 0.3859
pull
Entries 64
Mean 88.43
Std Dev 0
pull1D
Entries 64
Mean −0.01629
Std Dev 0.8342

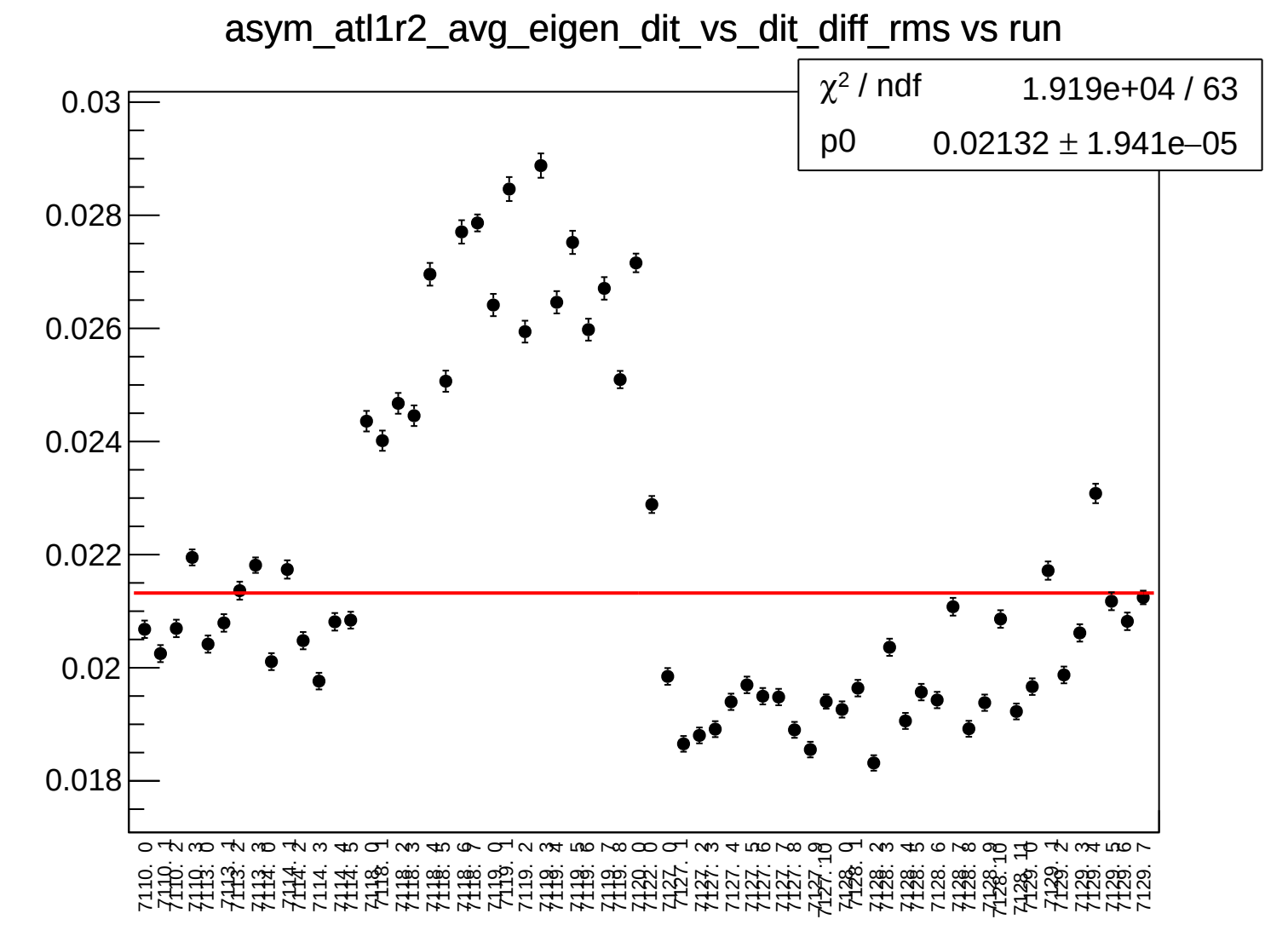

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.075e+04 / 63
p0 290.8 ± 0.2729
800
700
600
500
400
300
200

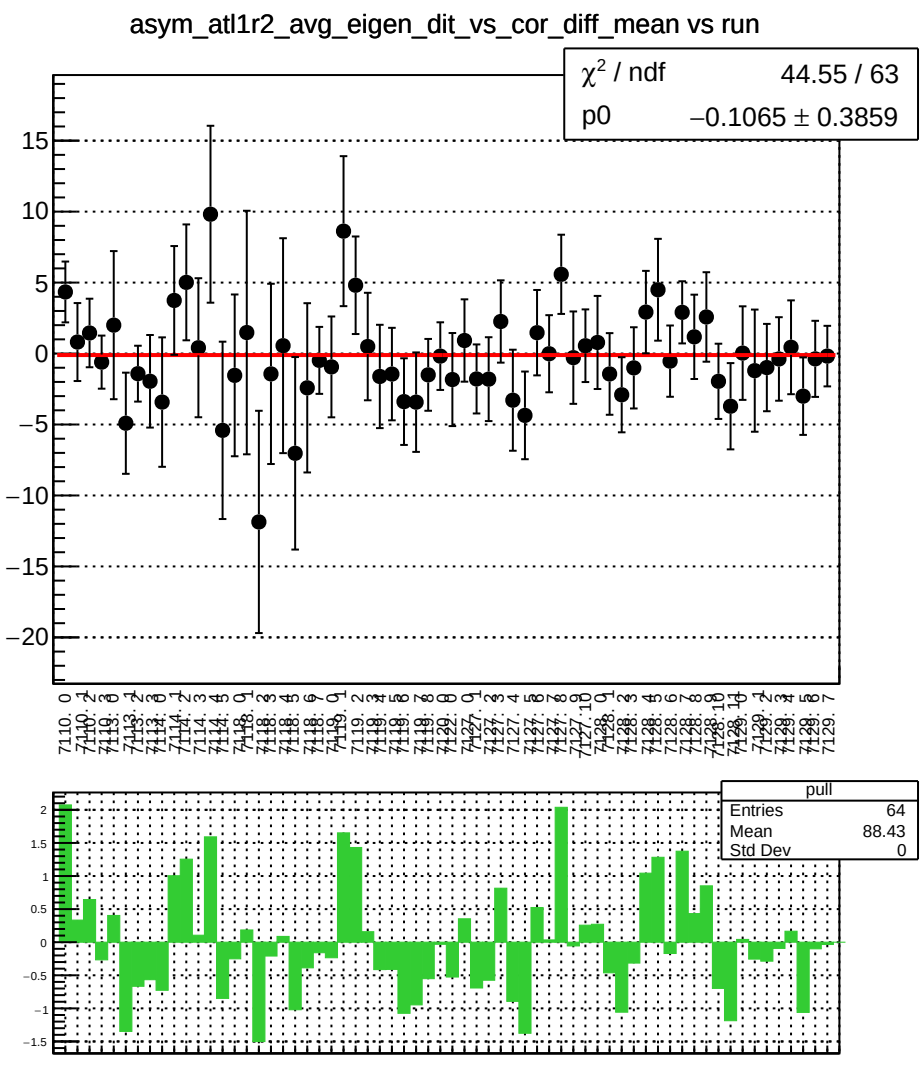

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.55 / 63
p0 −0.1065 ± 0.3859
pull
Entries 64
Mean 88.43
Std Dev 0
pull1D
Entries 64
Mean −0.01629
Std Dev 0.8342

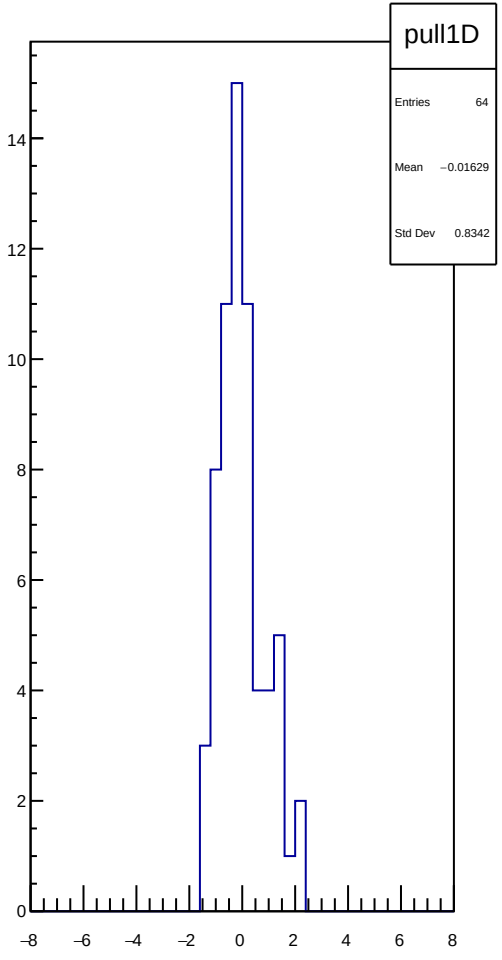

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.075e+04 / 63
p0 290.8 ± 0.2729
800
700
600
500
400
300
200

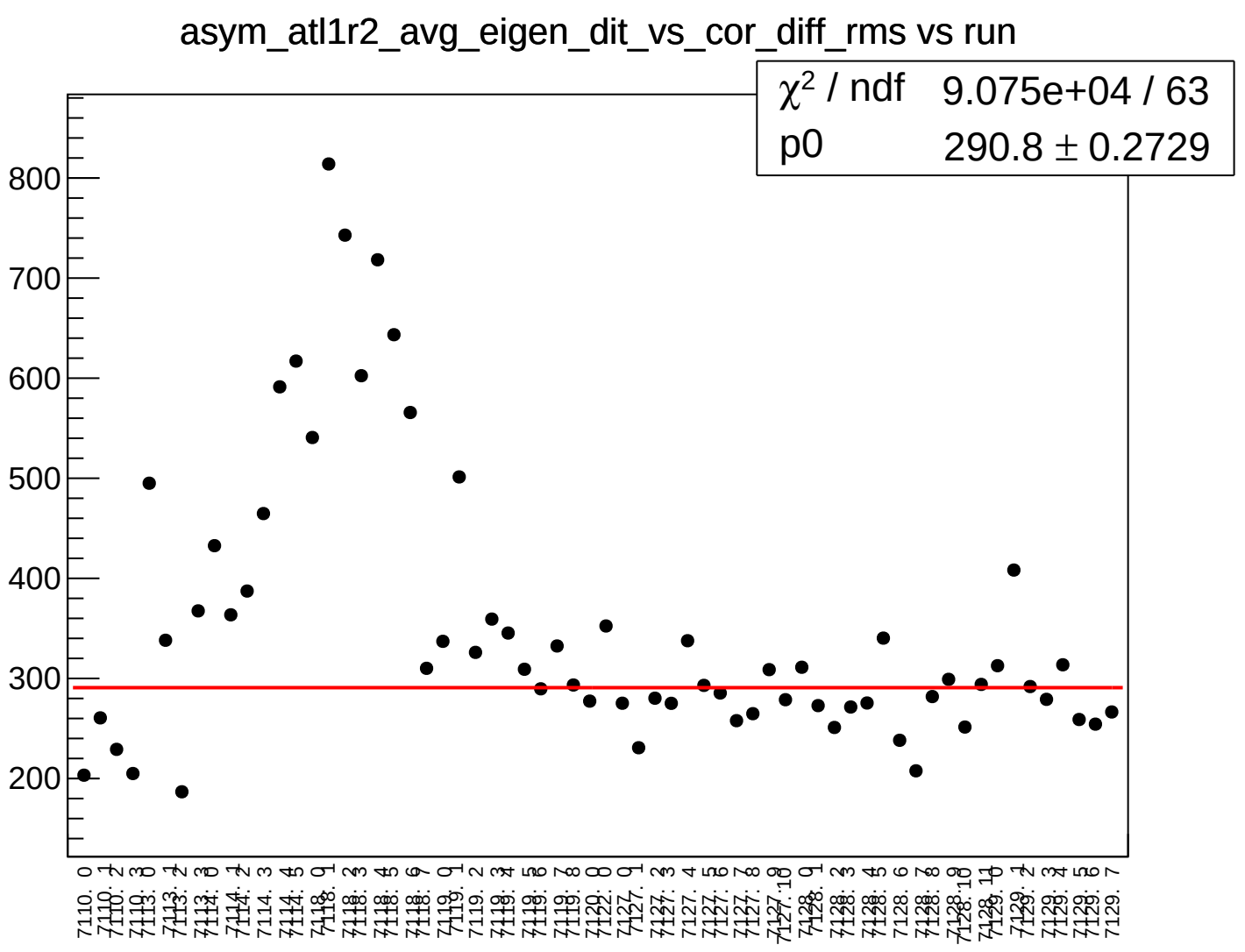

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.81 / 63
p0 −7.036e−06 ± 2.745e−05
×10⁻³
pull
Entries 64
Mean 128.5
Std Dev 0

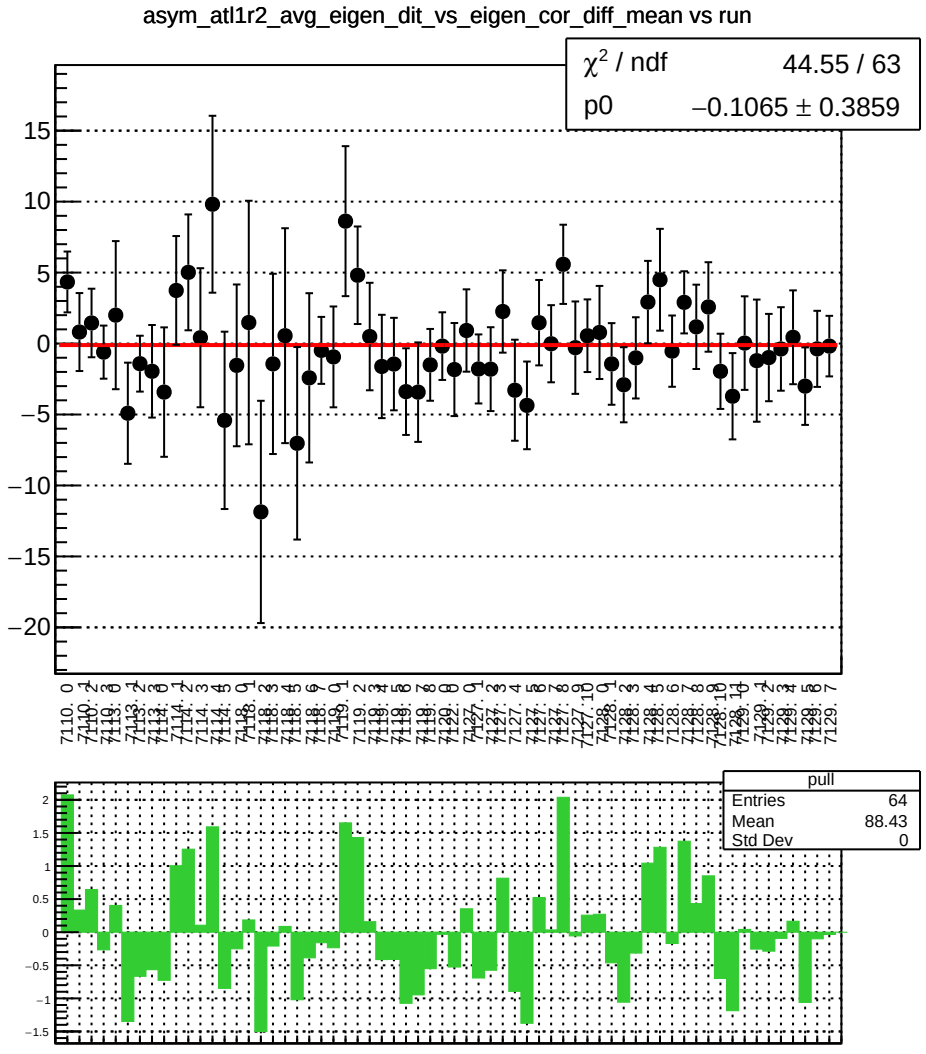

pull1D
Entries 64
Mean −0.01756
Std Dev 0.9167

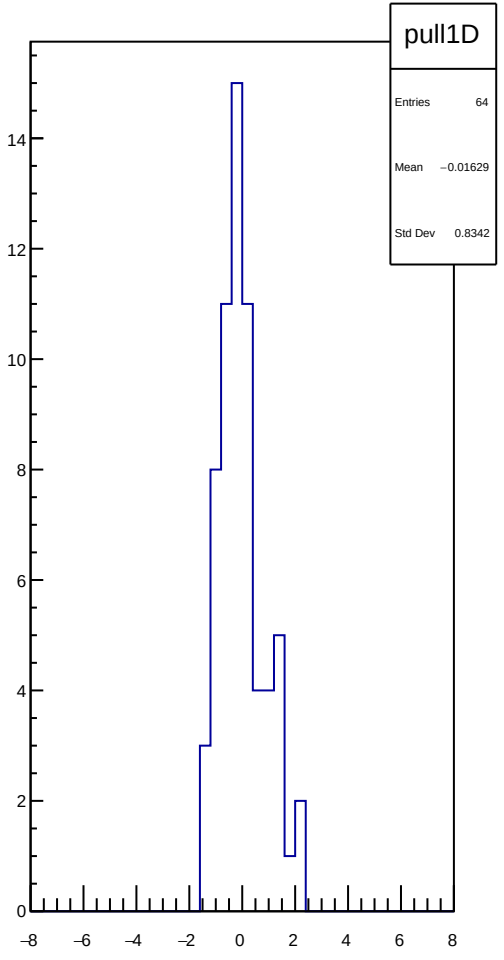

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.919e+04 / 63
p0 0.02132 ± 1.941e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018

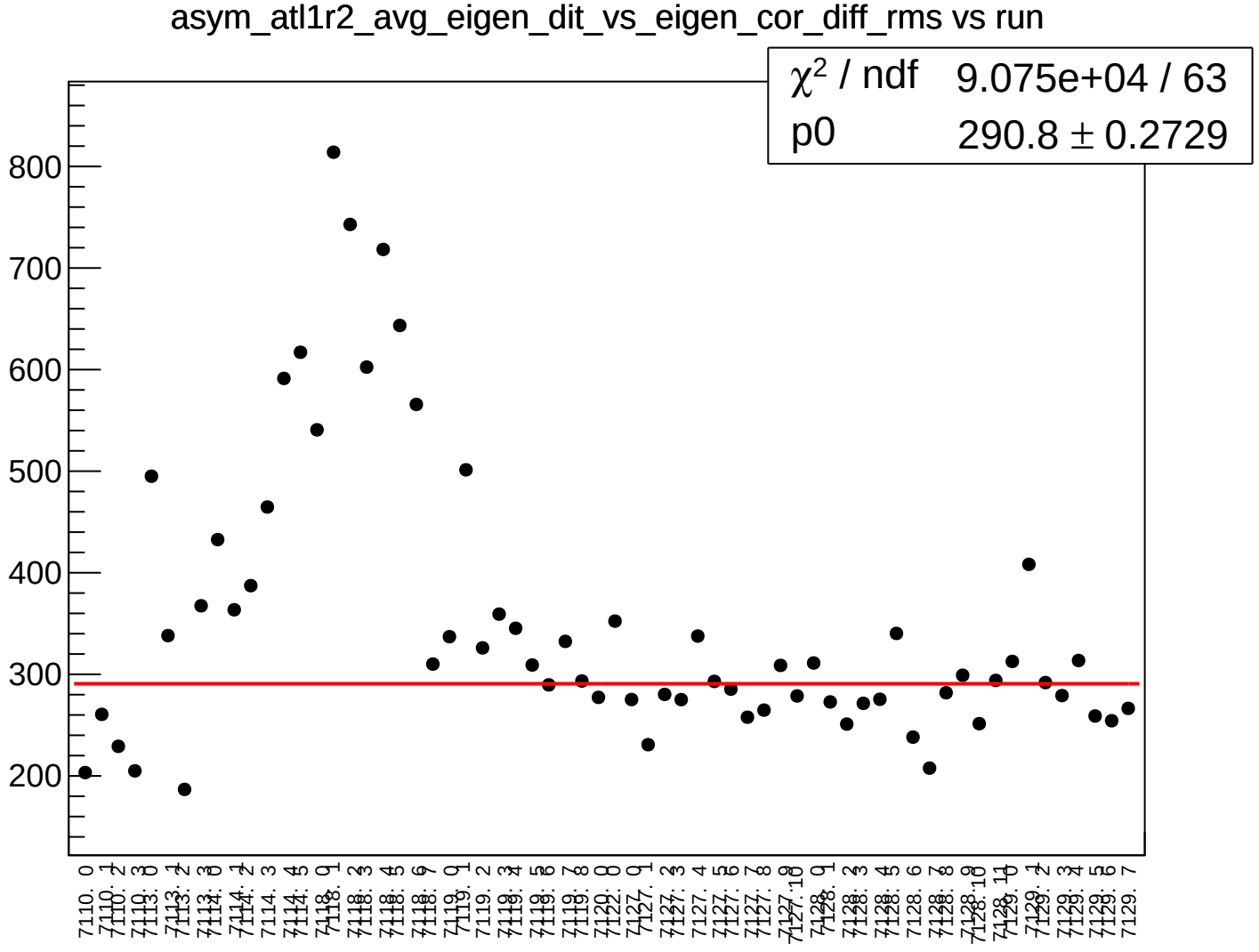

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.55 / 63
p0 −0.1065 ± 0.3859
pull
Entries 64
Mean 88.43
Std Dev 0

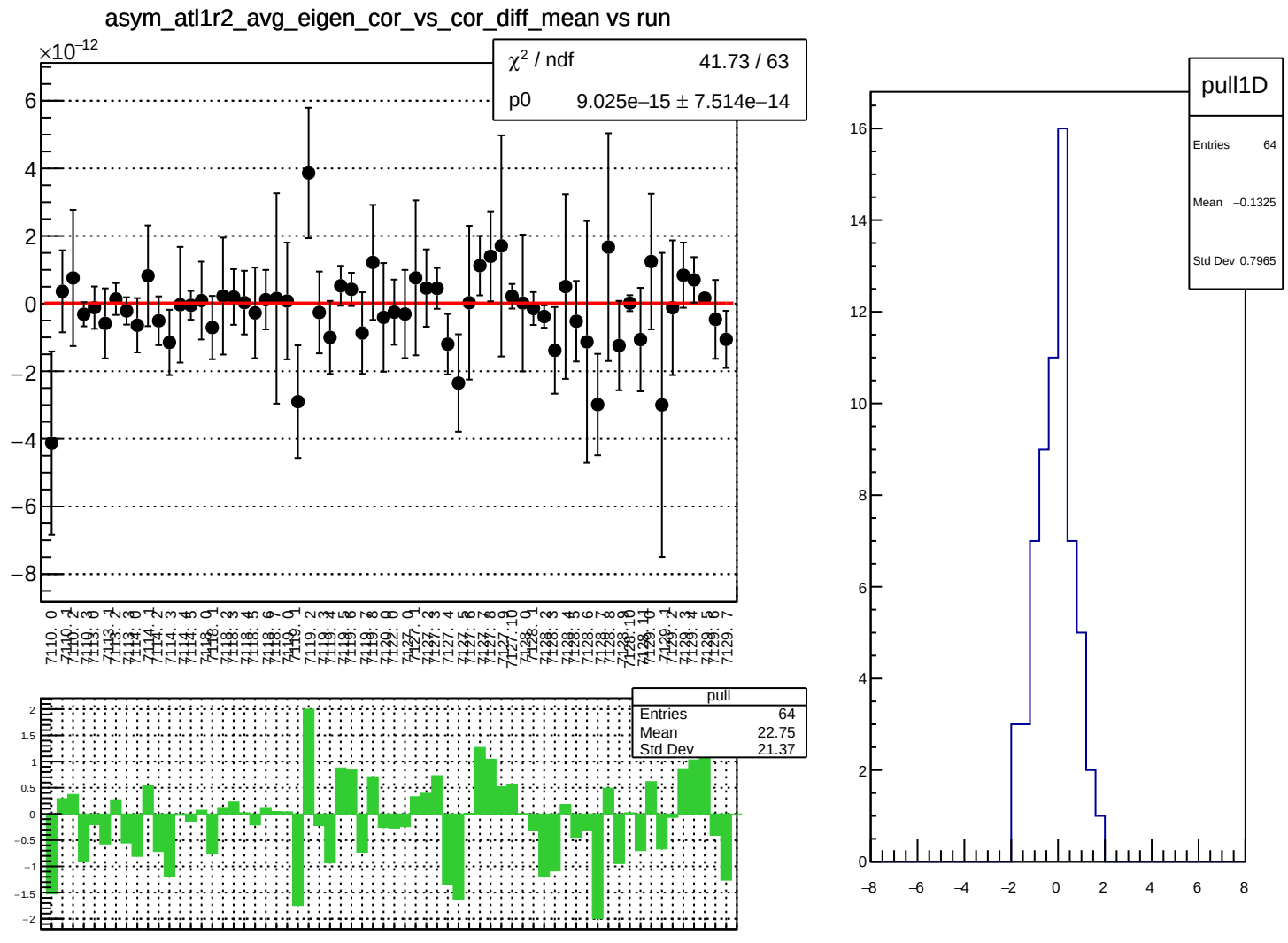

pull1D
Entries 64
Mean −0.01629
Std Dev 0.8342

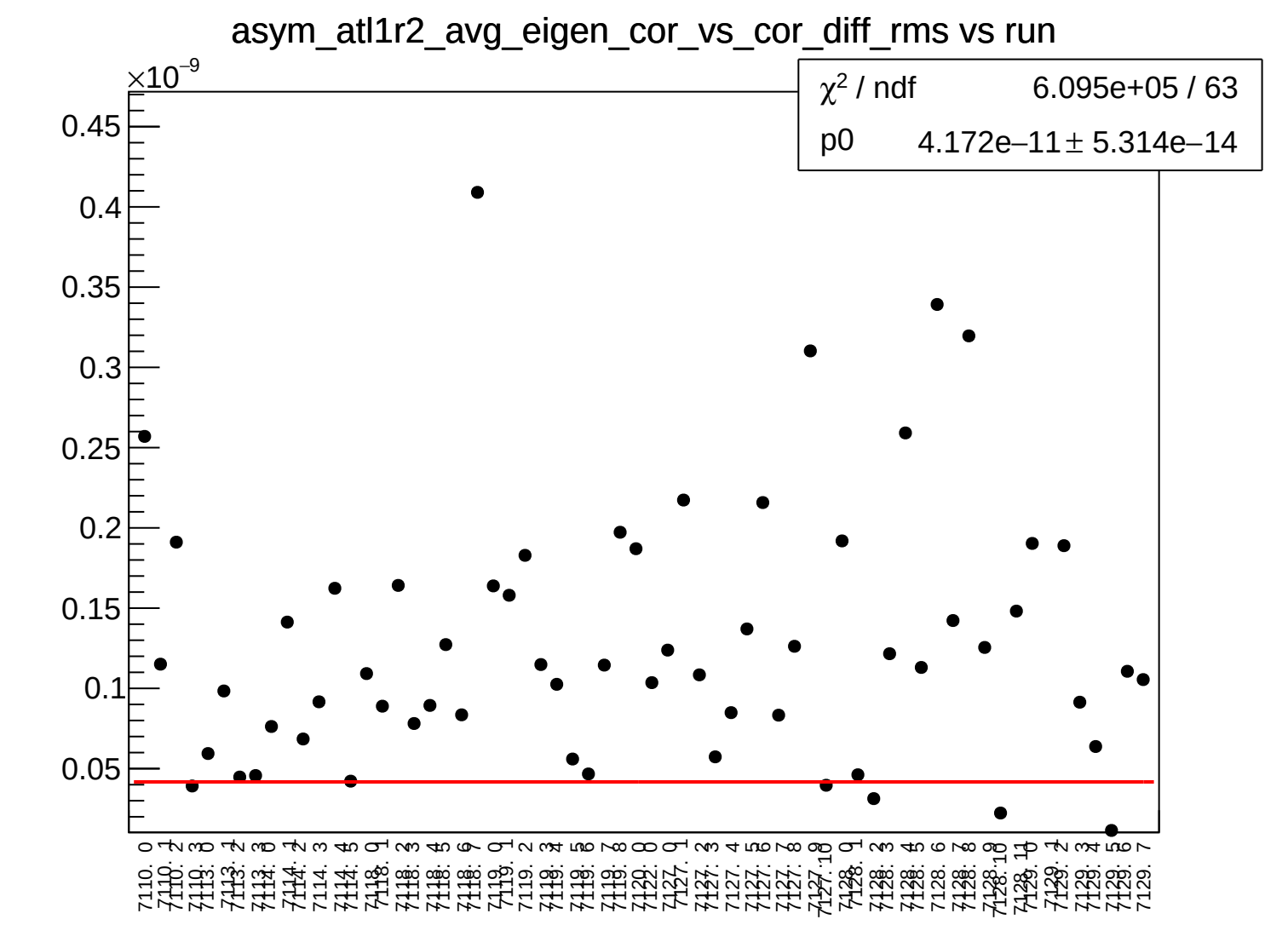

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.075e+04 / 63
p0 290.8 ± 0.2729
800
700
600
500
400
300
200

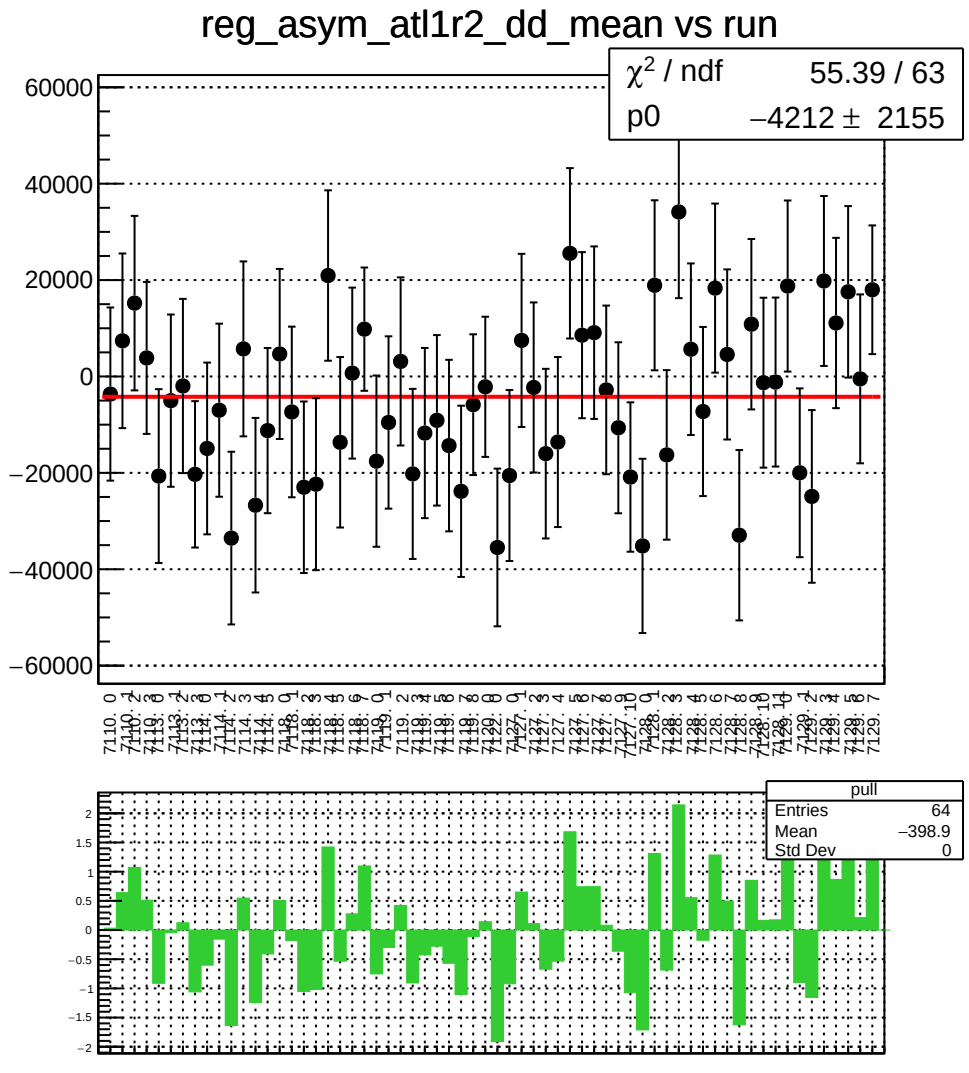

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.55 / 63
p0 −0.1065 ± 0.3859
pull
Entries 64
Mean 88.43
Std Dev 0

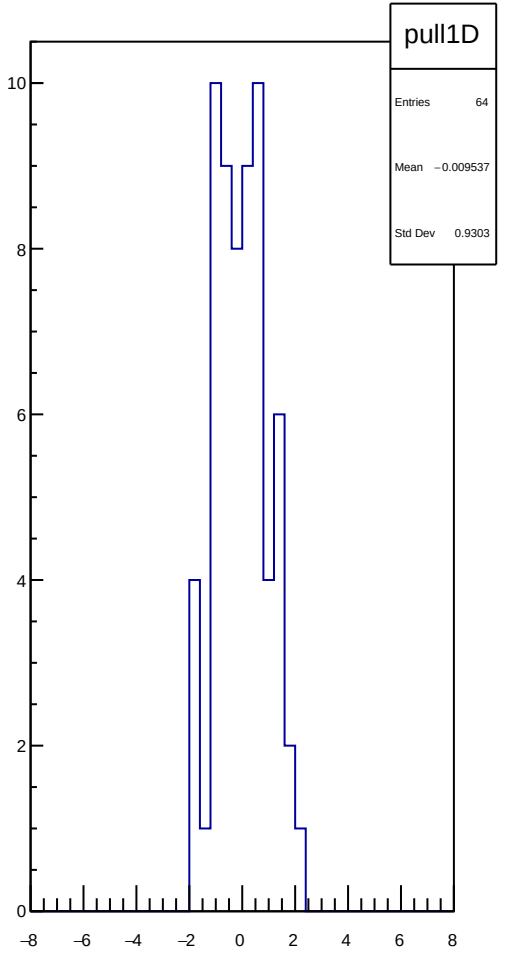

pull1D
Entries 64
Mean −0.01629
Std Dev 0.8342

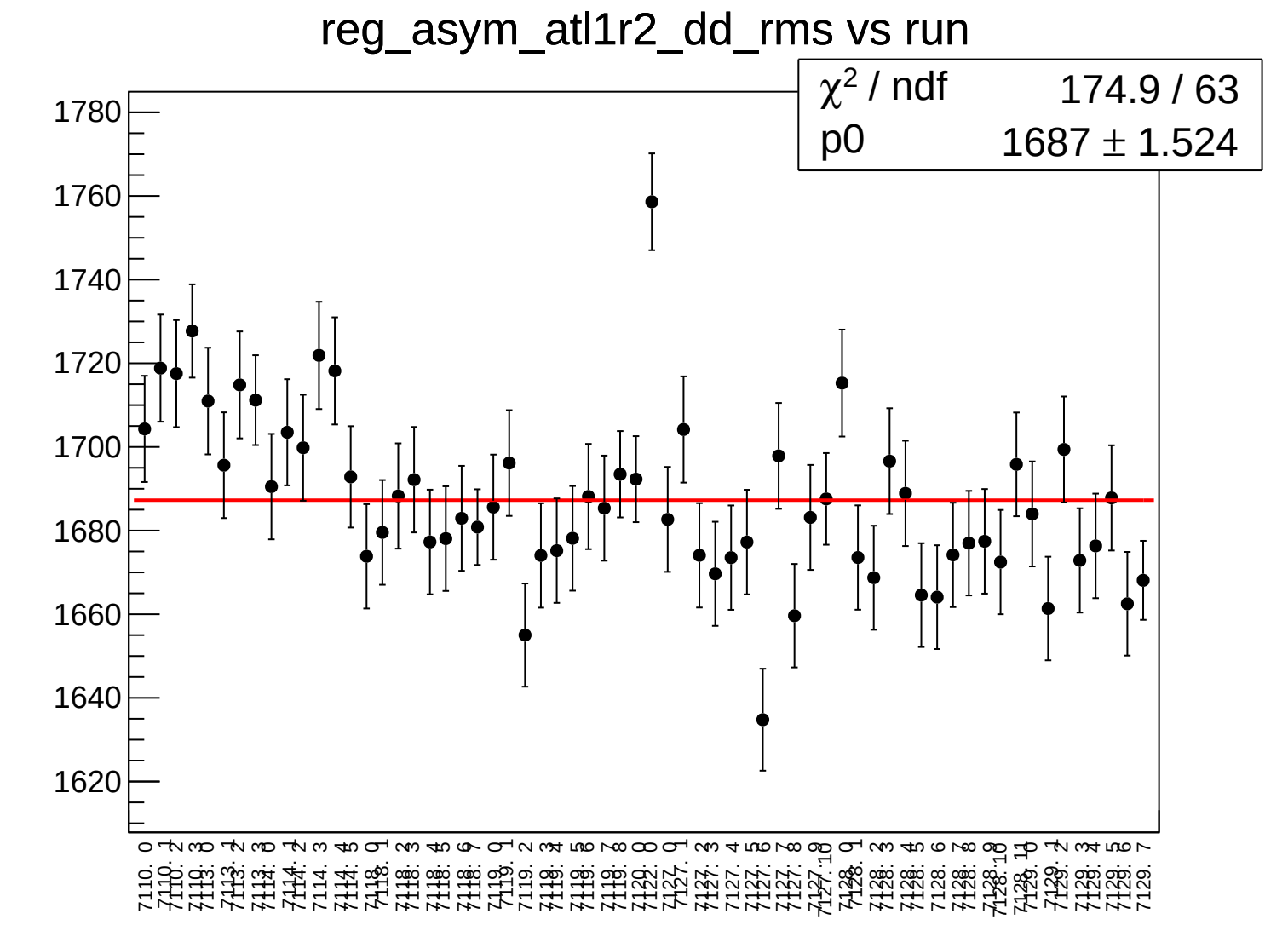

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.075e+04 / 63
p0 290.8 ± 0.2729
800
700
600
500
400
300
200

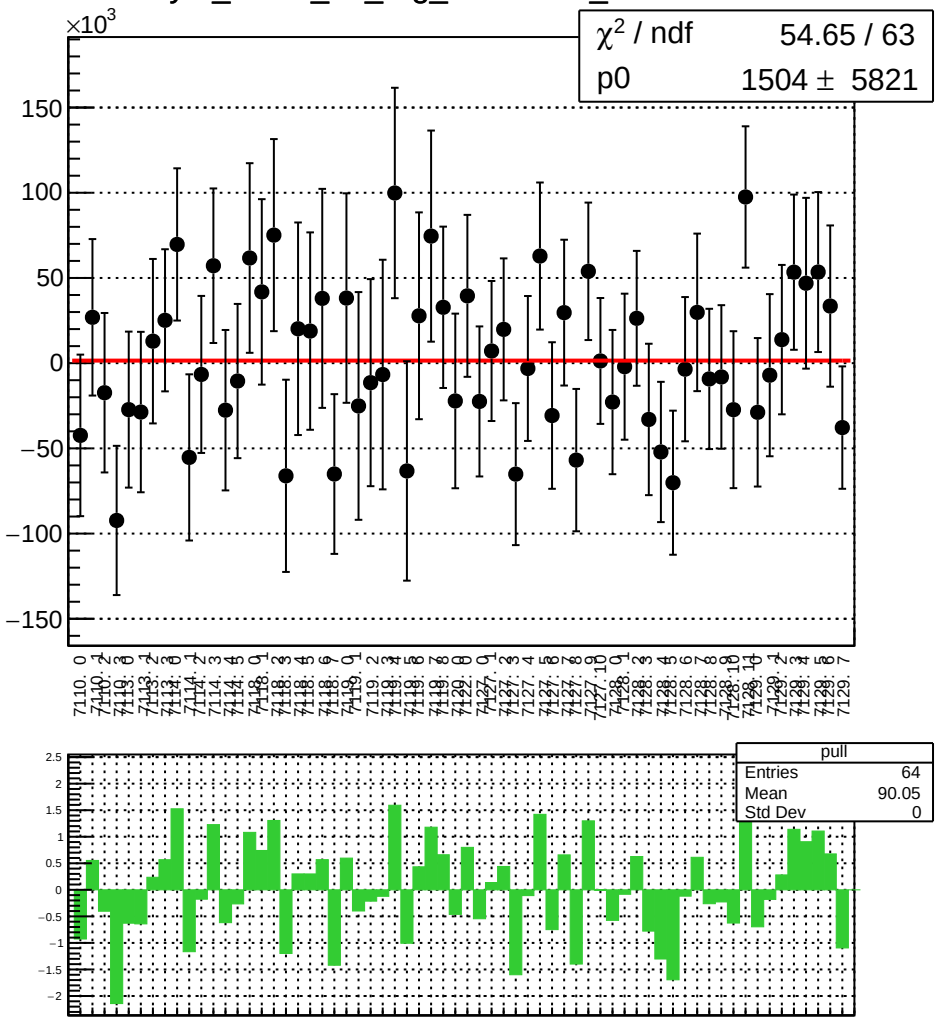

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.73 / 63
p0 9.025e−15 ± 7.514e−14
pull
Entries 64
Mean 22.75
Std Dev 21.37
pull1D
Entries 64
Mean −0.1325
Std Dev 0.7965

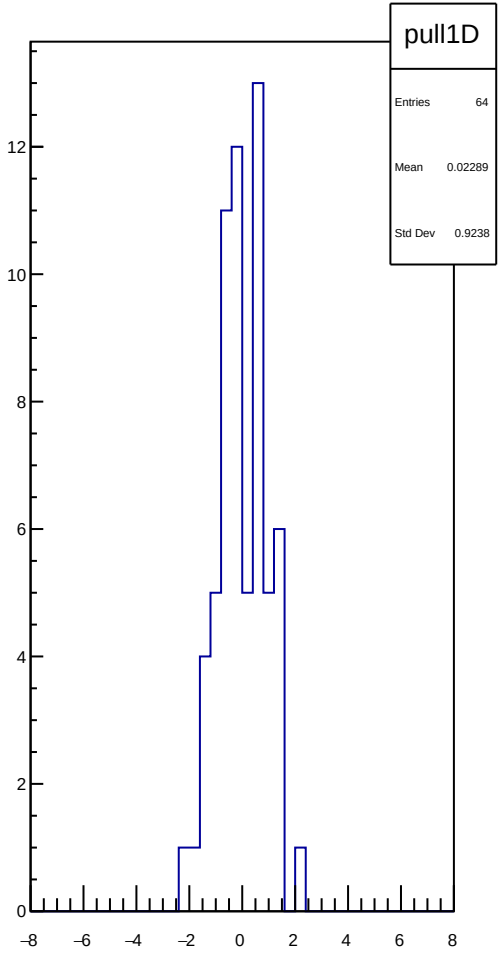

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.095e+05 / 63
p0 4.172e−11 ± 5.314e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

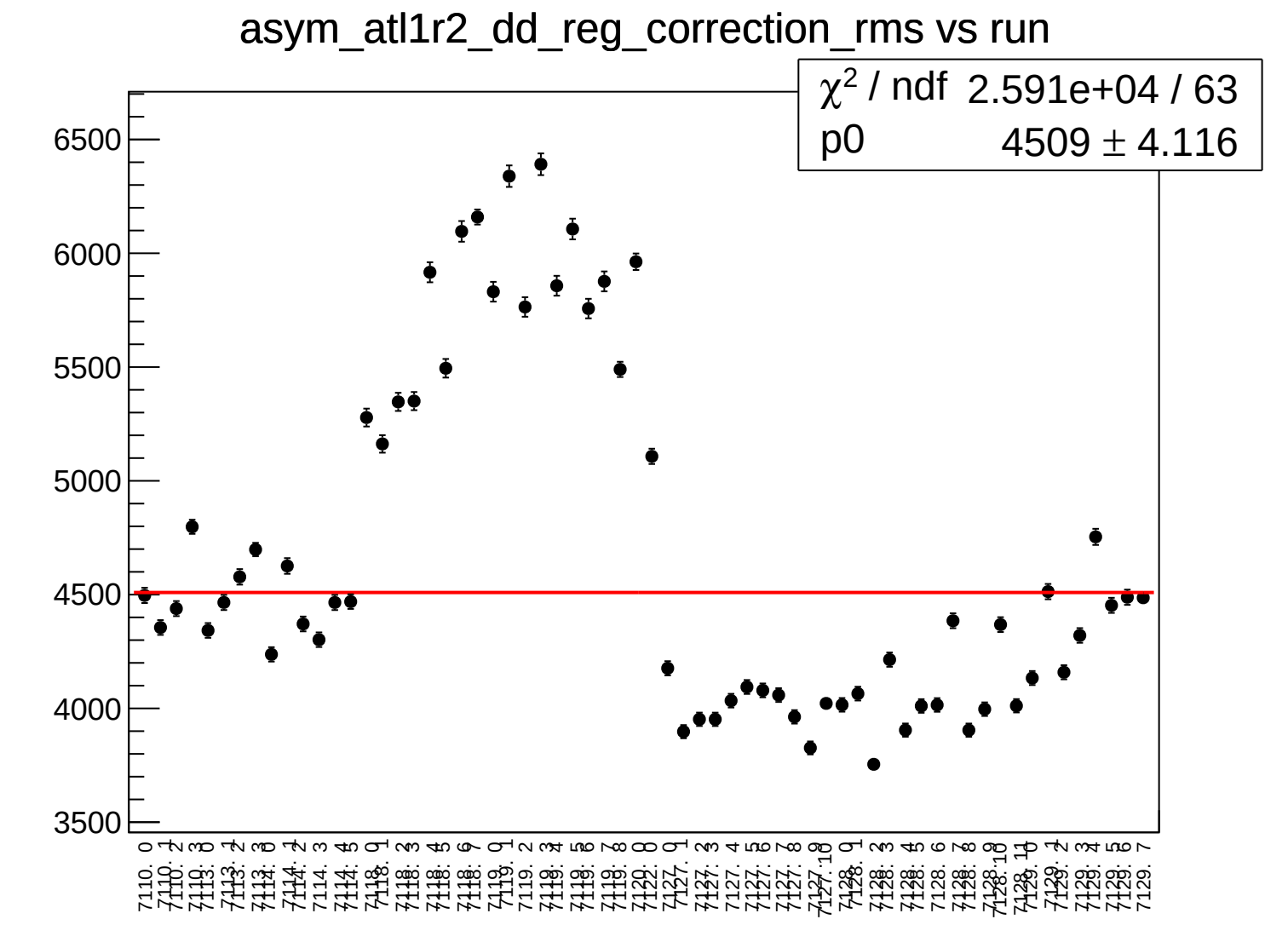

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 55.39 / 63
p0 −4212 ± 2155
pull
Entries 64
Mean −398.9
Std Dev 0

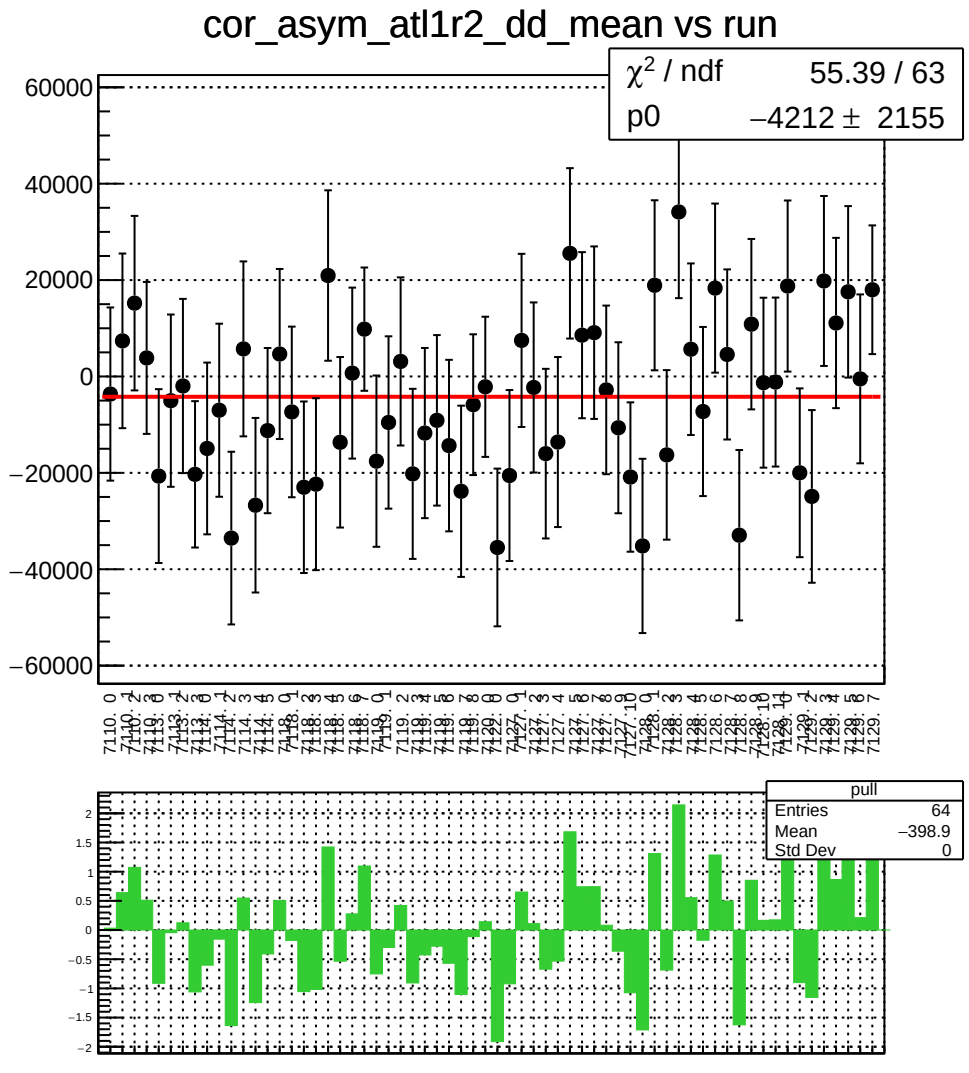

pull1D
Entries 64
Mean −0.009537
Std Dev 0.9303

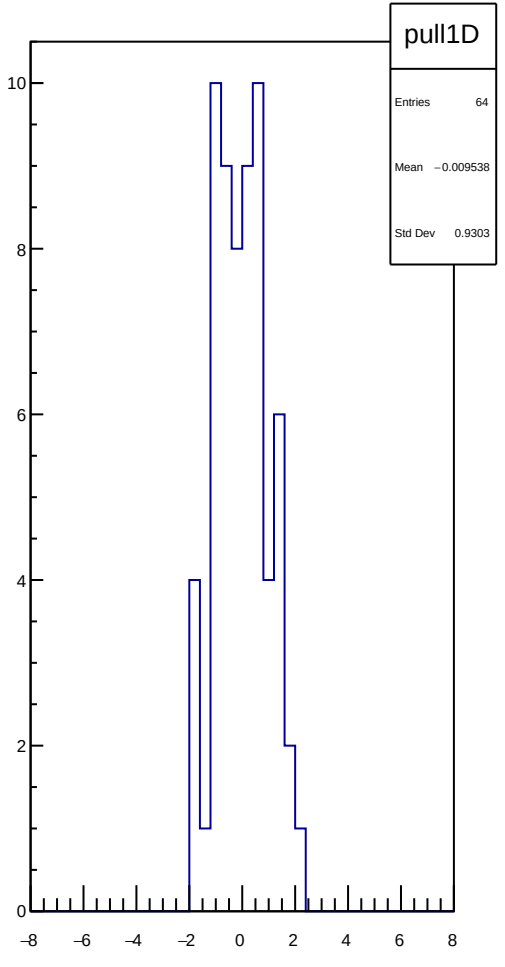

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 174.9 / 63
p0 1687 ± 1.524
1780
1760
1740
1720
1700
1680
1660
1640
1620

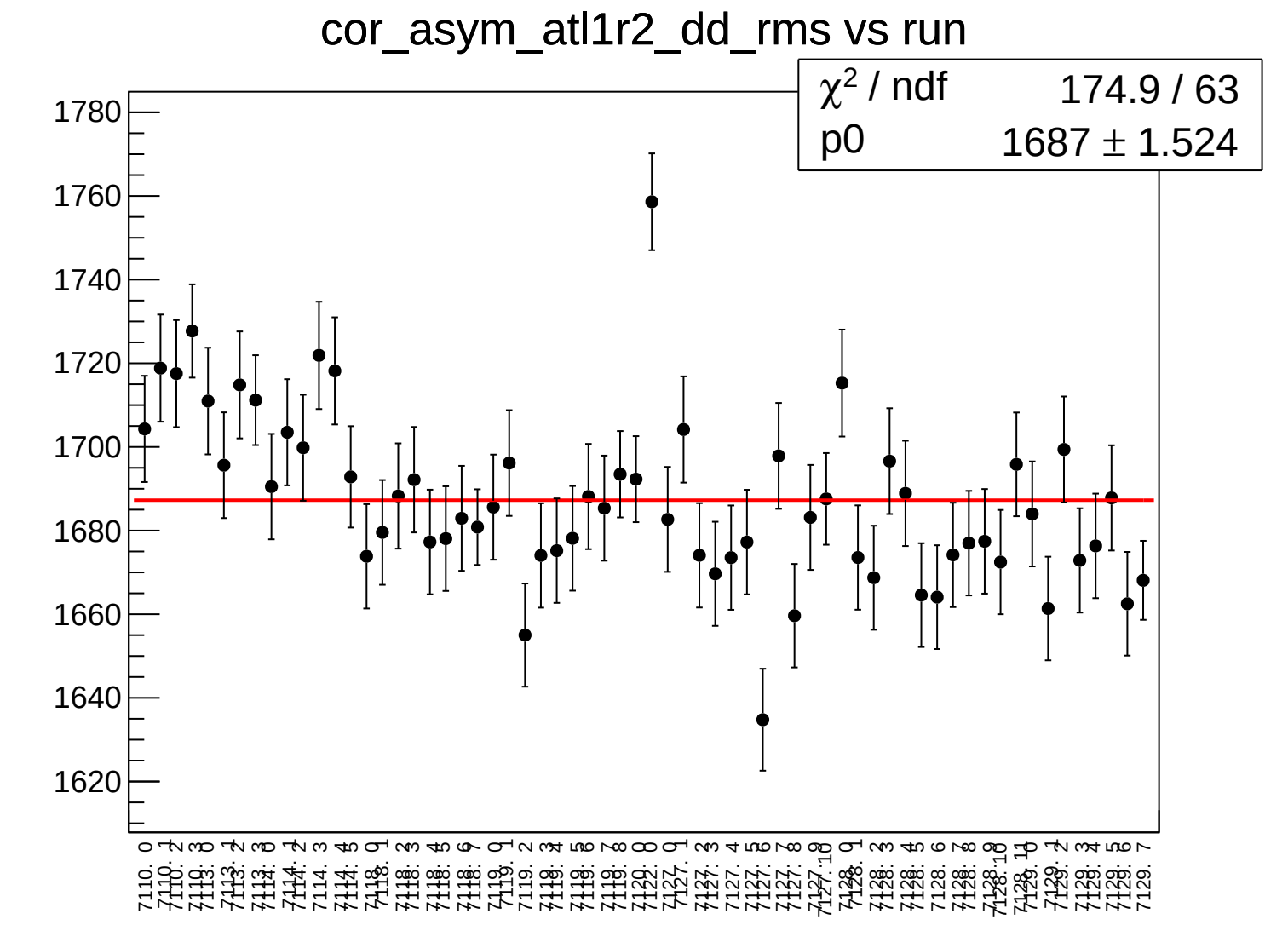

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.65 / 63
p0 1504 ± 5821
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 90.05
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

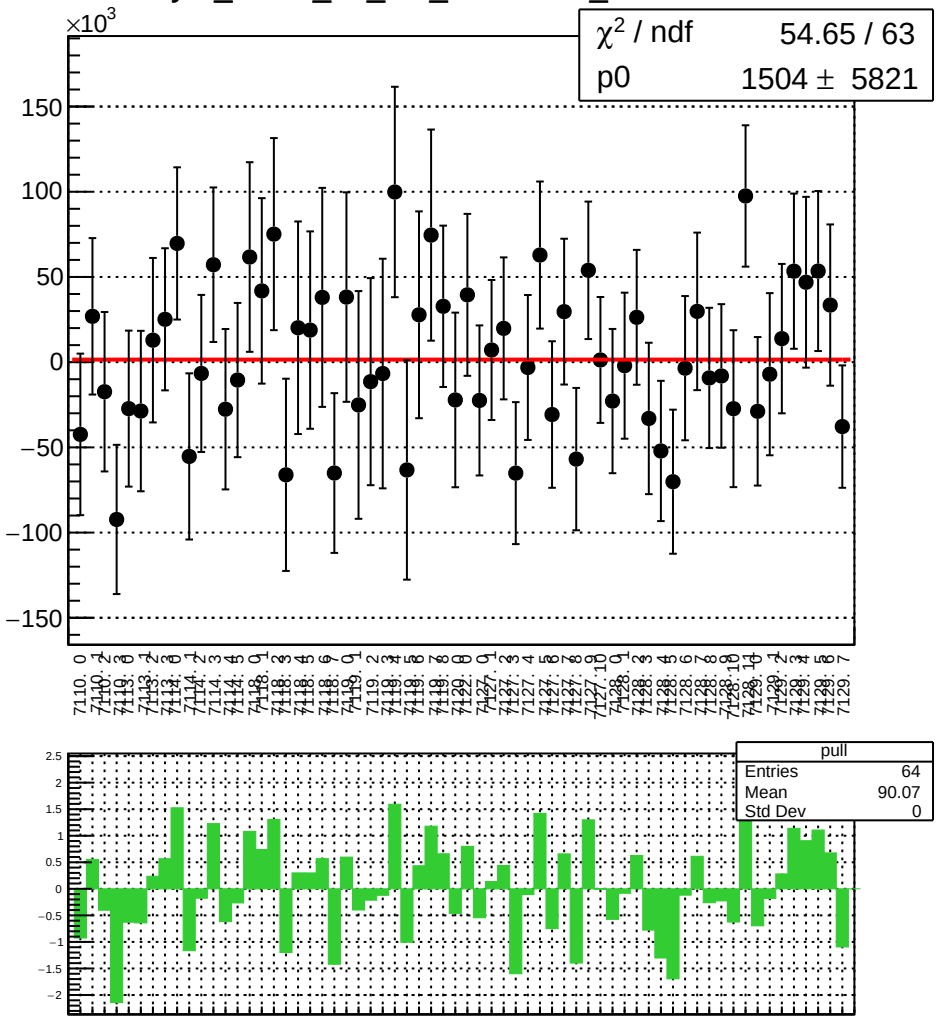

pull1D
Entries 64
Mean 0.02289
Std Dev 0.9238
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

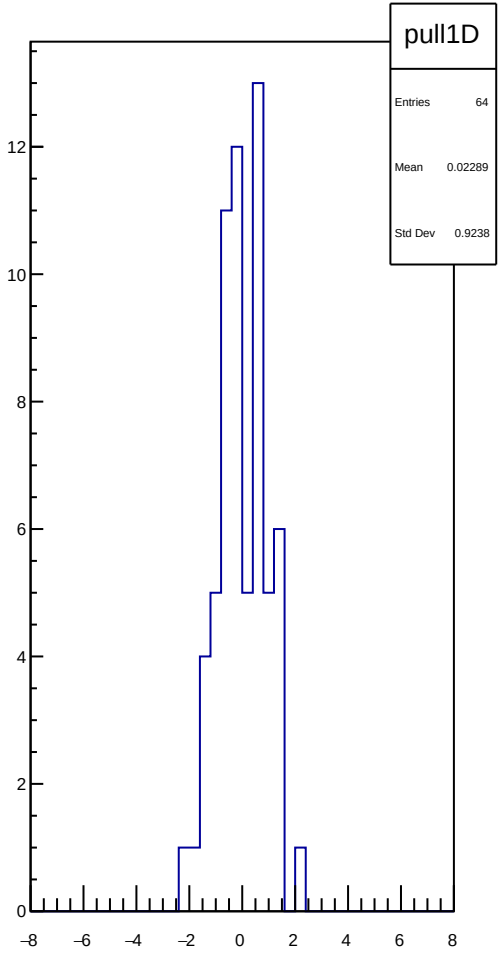

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 2.591e+04 / 63
p0 4509 ± 4.116
6500
6000
5500
5000
4500
4000
3500

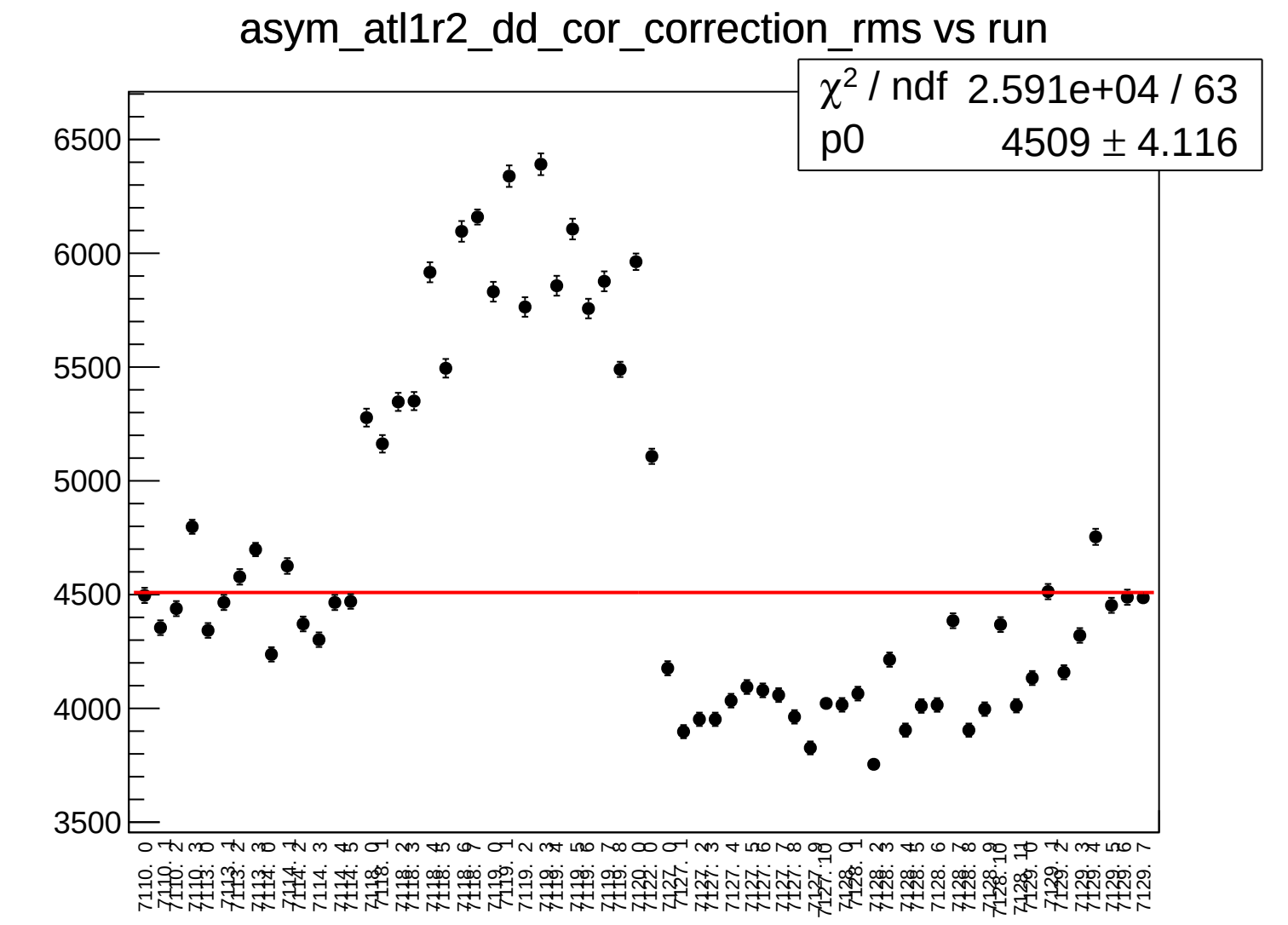

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 55.39 / 63
p0 −4212 ± 2155
pull
Entries 64
Mean −398.9
Std Dev 0

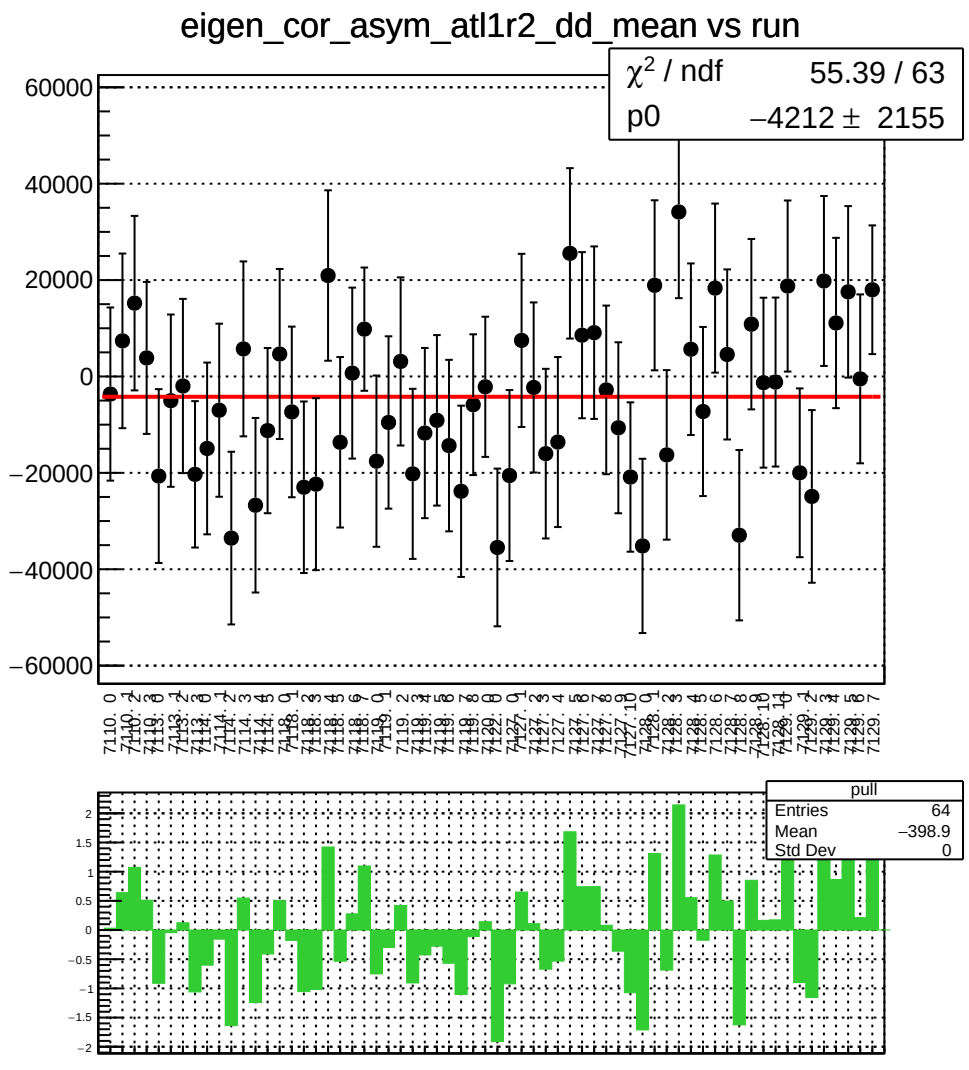

pull1D
Entries 64
Mean −0.009538
Std Dev 0.9303

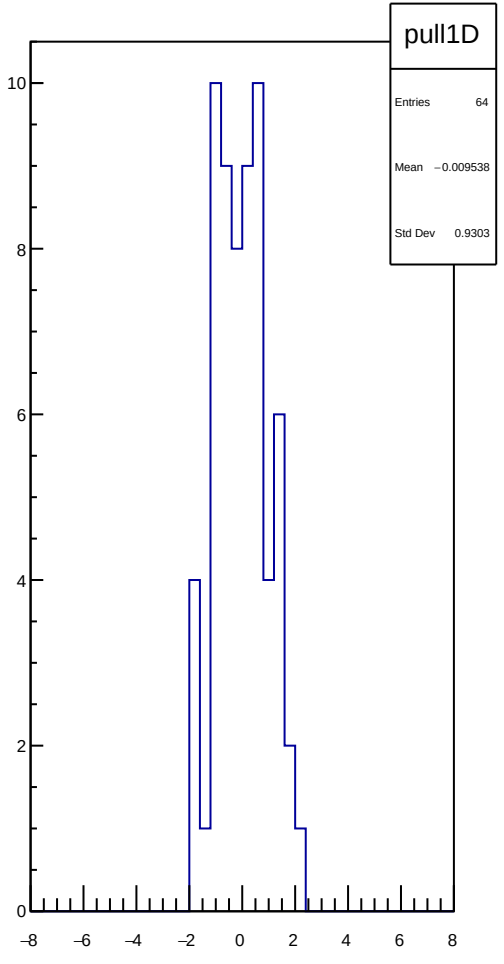

cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 174.9 / 63
p0 1687 ± 1.524
1780
1760
1740
1720
1700
1680
1660
1640
1620

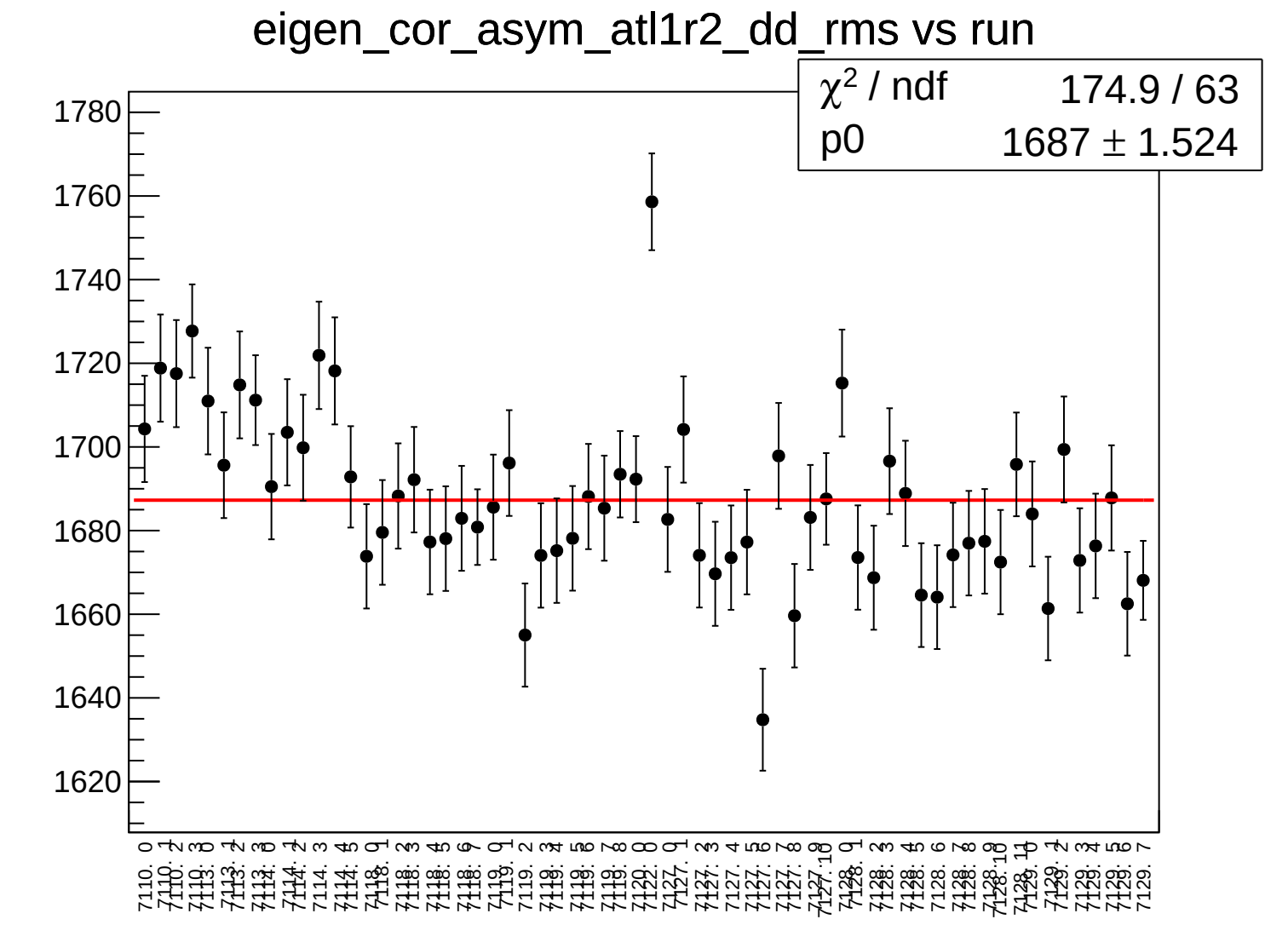

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.65 / 63
p0 1504 ± 5821
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 90.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

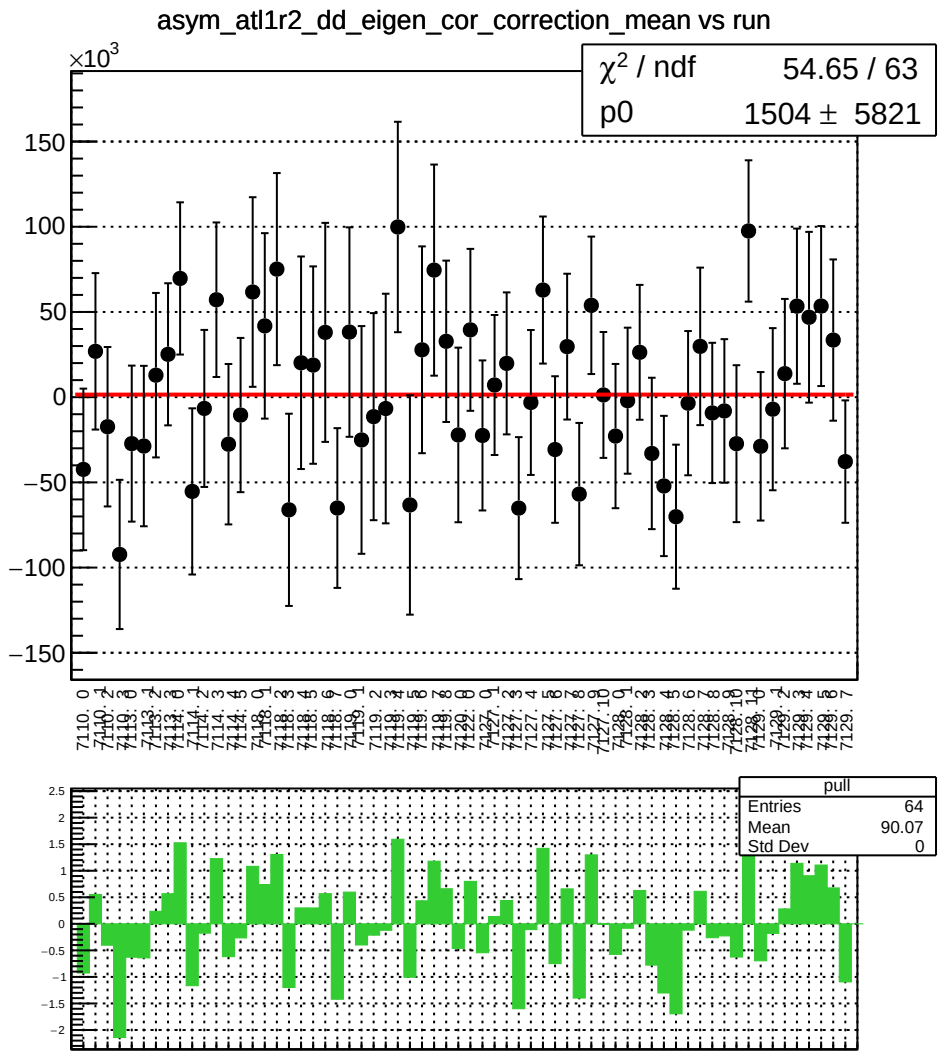

pull1D
Entries 64
Mean 0.02289
Std Dev 0.9238
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

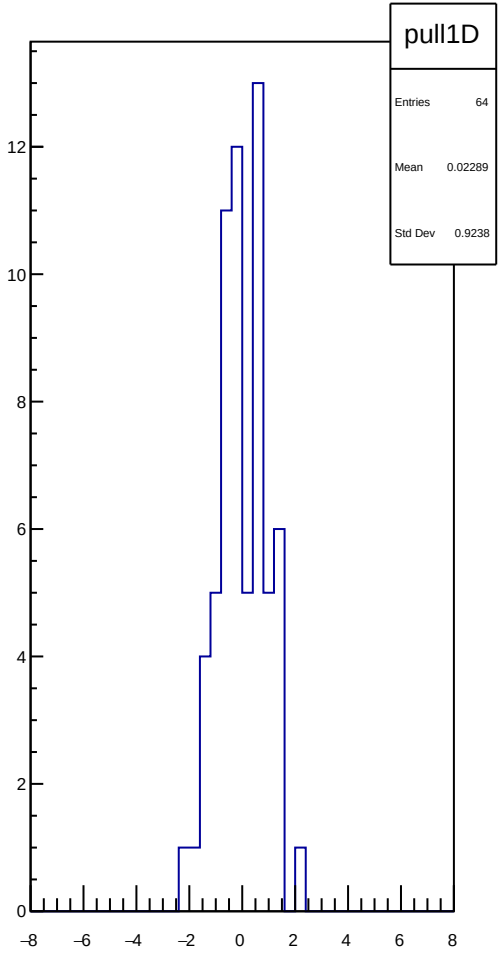

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 2.591e+04 / 63
p0 4509 ± 4.116
6500
6000
5500
5000
4500
4000
3500

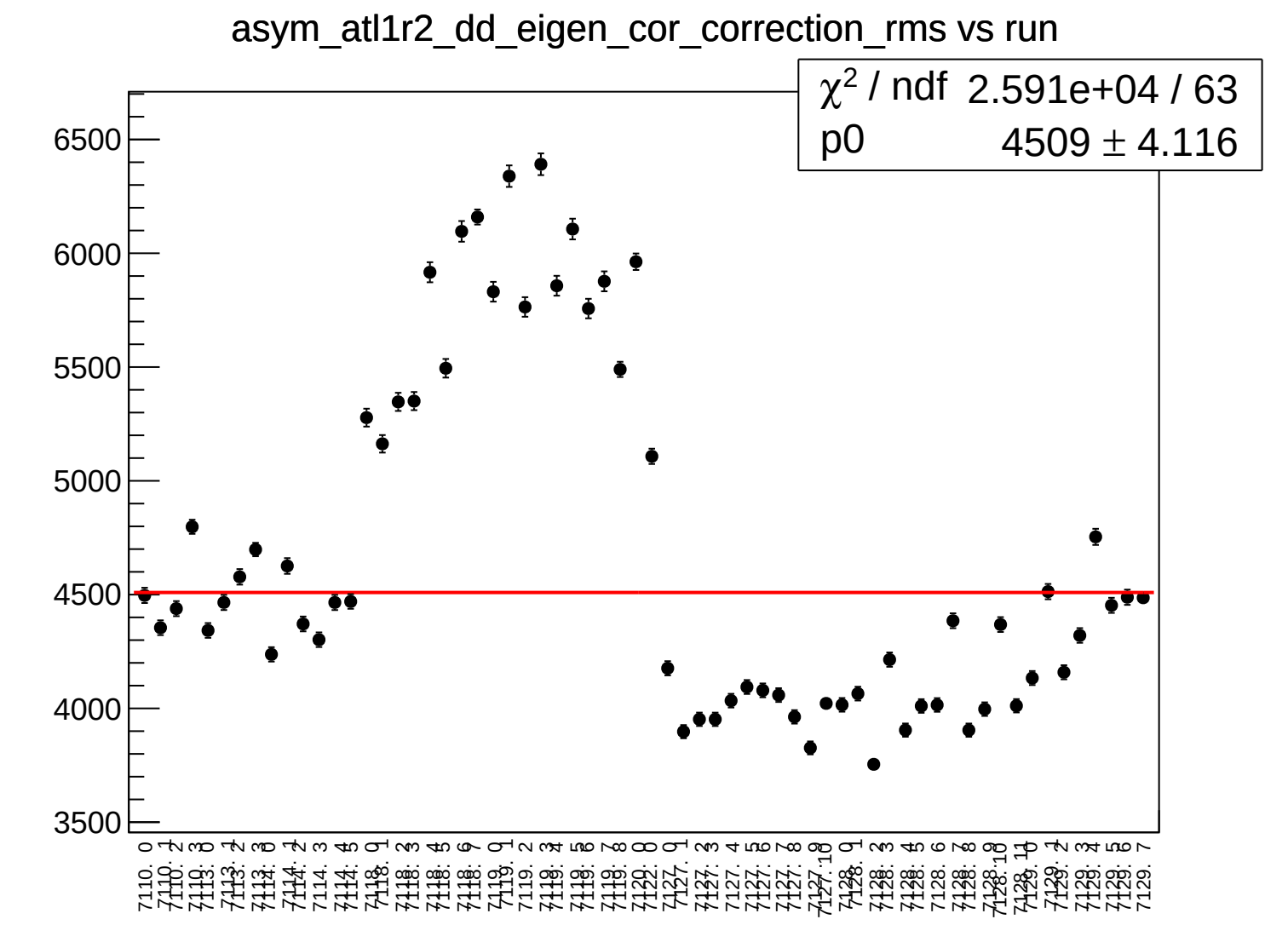

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 55.39 / 63
p0 −4212 ± 2155
pull
Entries 64
Mean −398.9
Std Dev 0

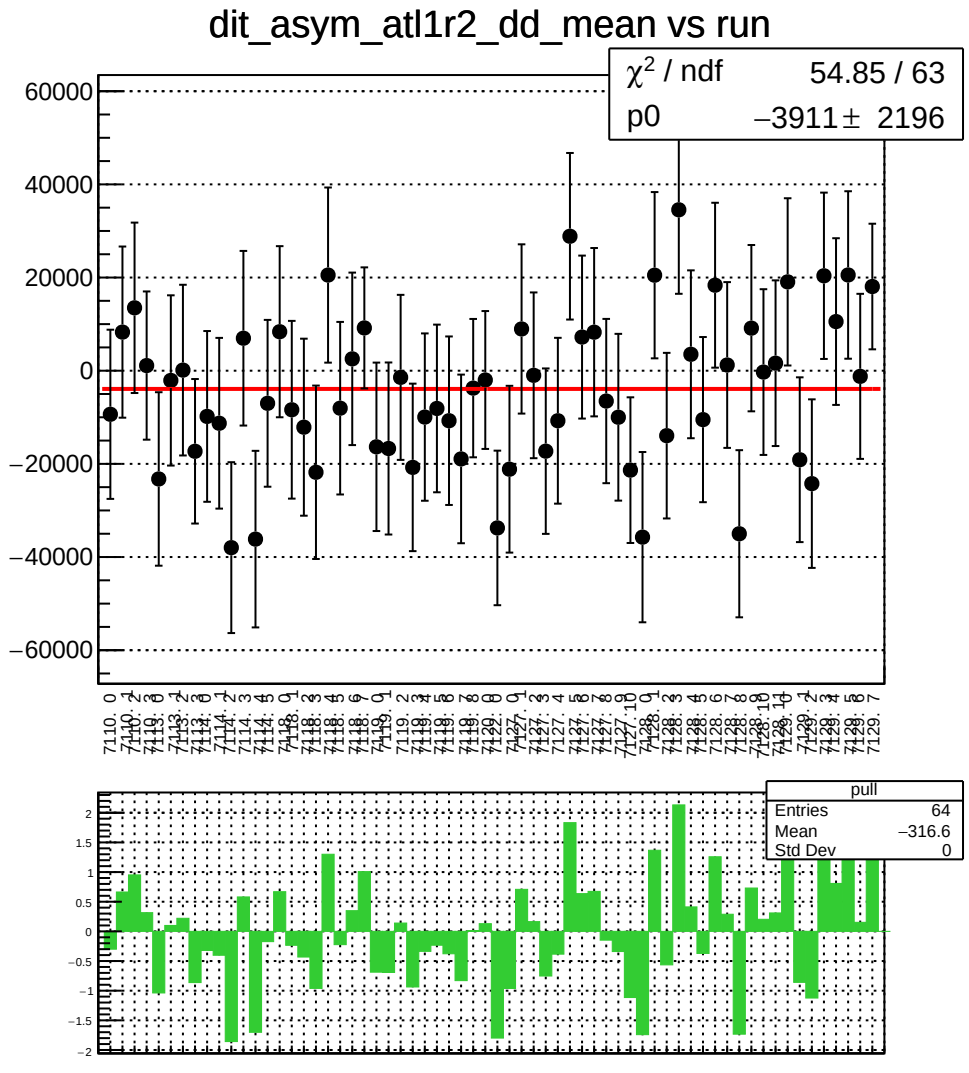

pull1D
Entries 64
Mean −0.009538
Std Dev 0.9303

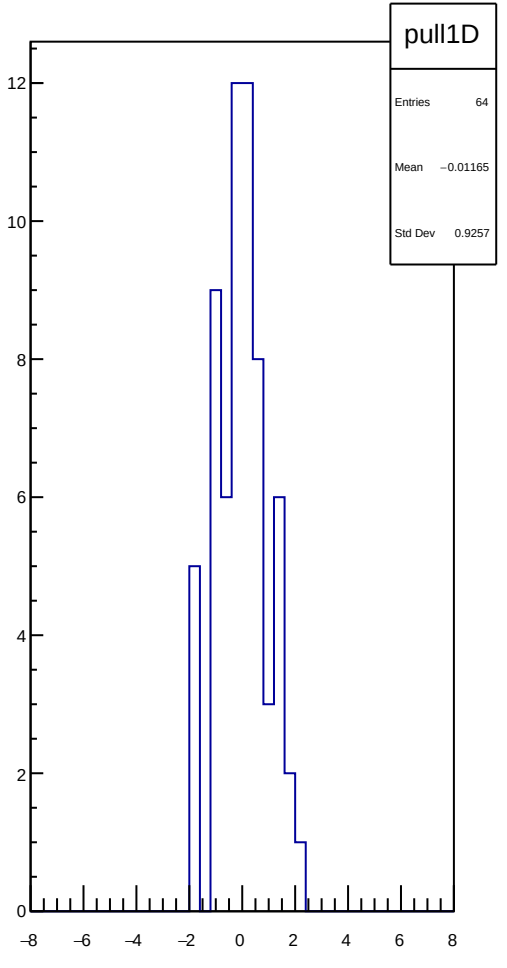

eigen_cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 174.9 / 63
p0 1687 ± 1.524
1780
1760
1740
1720
1700
1680
1660
1640
1620

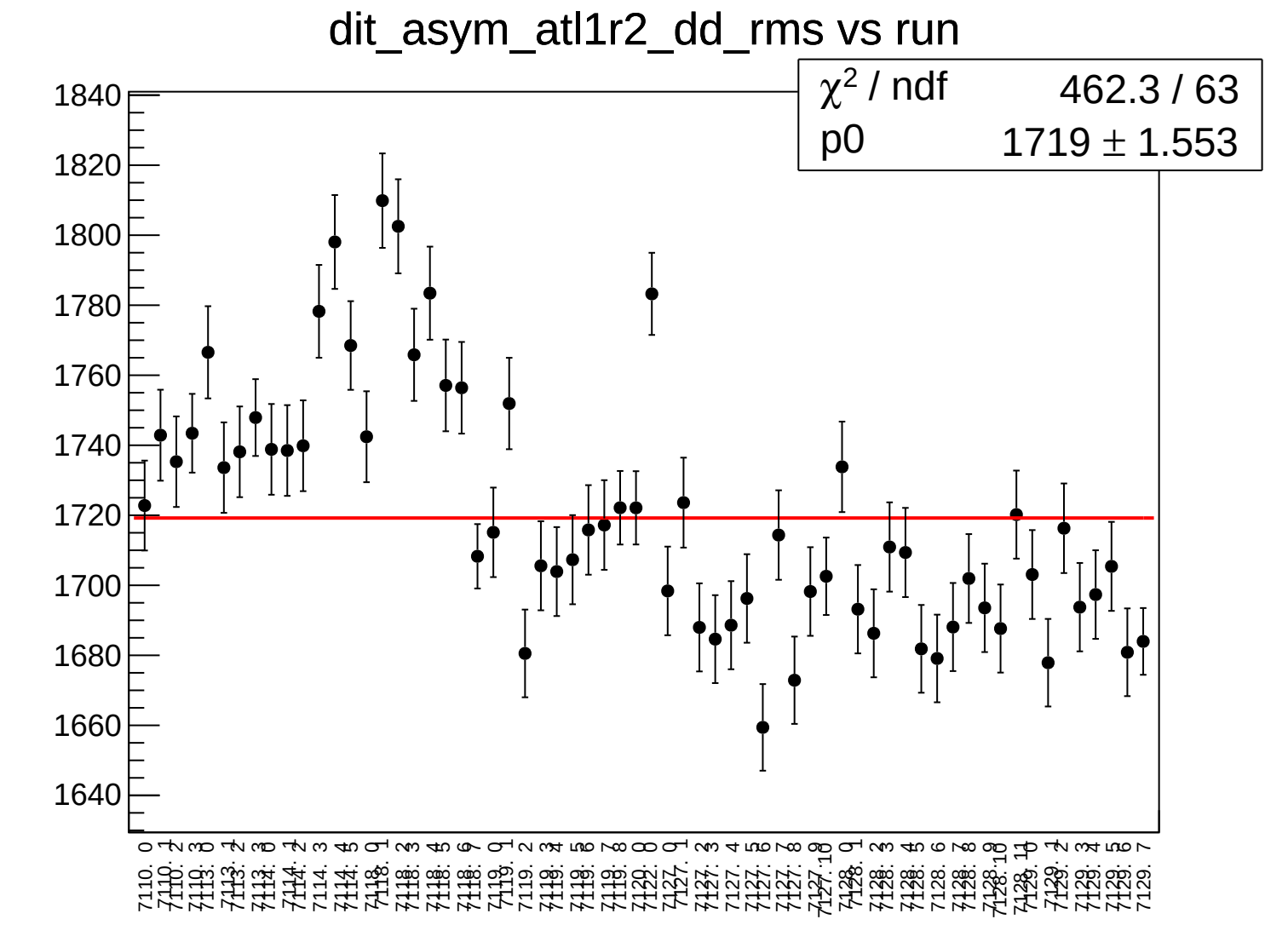

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 54.65 / 63
p0 1504 ± 5821
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 90.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

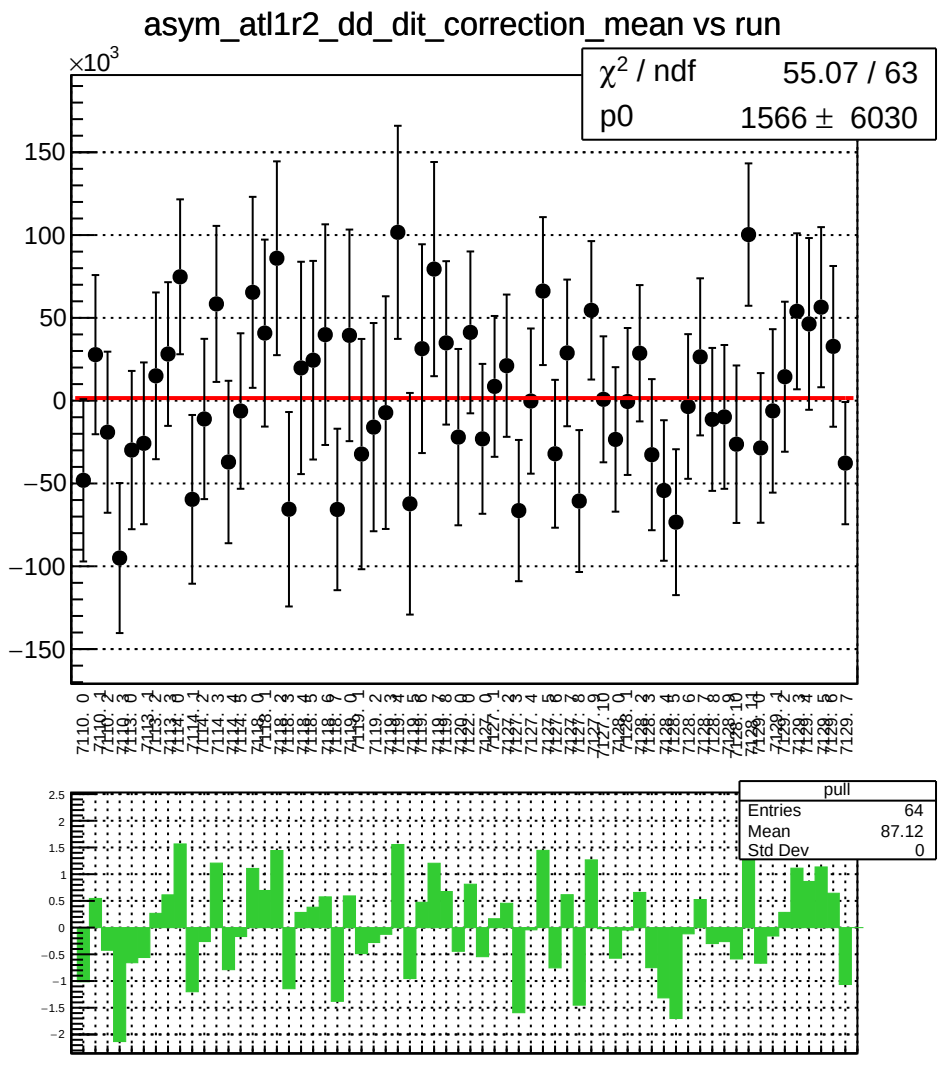

pull1D
Entries 64
Mean 0.02289
Std Dev 0.9238
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

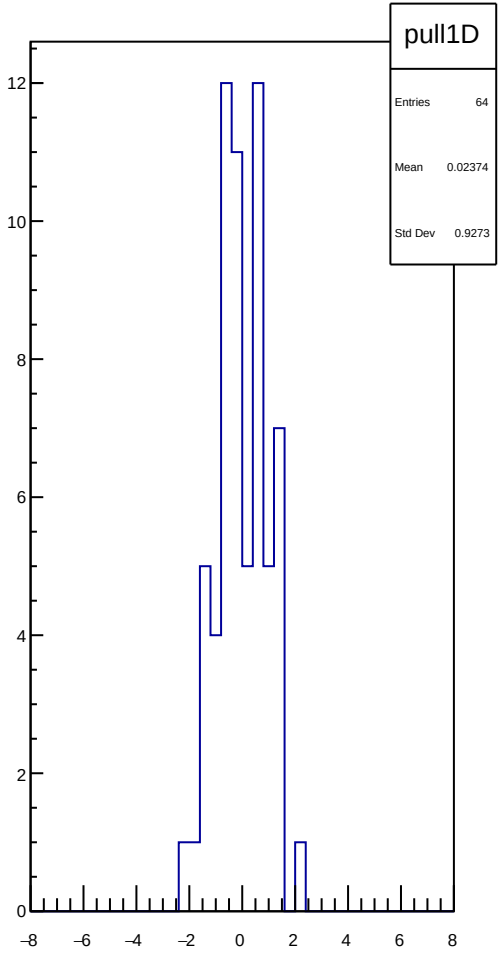

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.591e+04 / 63
p0 4509 ± 4.116
6500
6000
5500
5000
4500
4000
3500

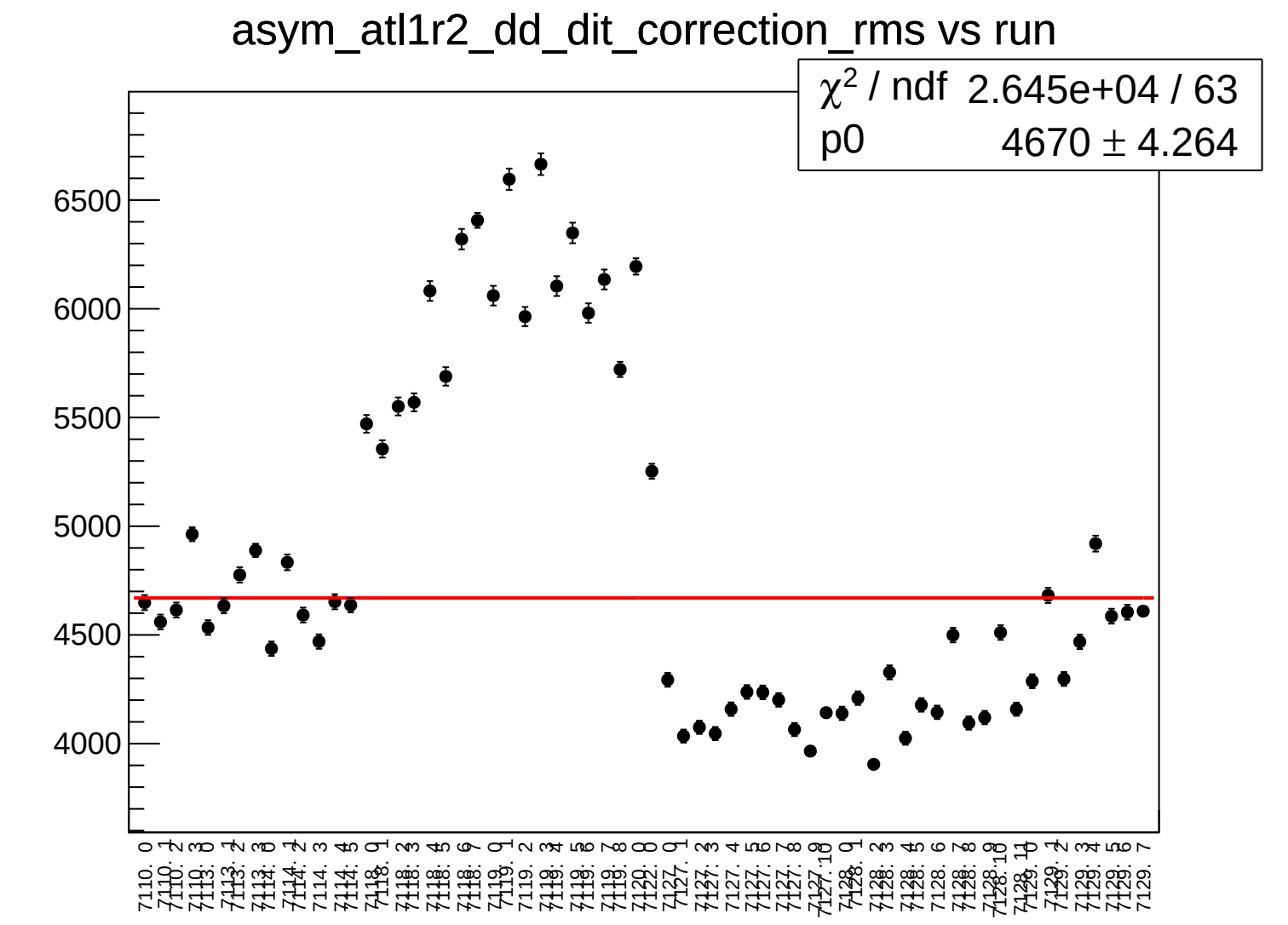

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 54.85 / 63
p0 −3911 ± 2196
pull
Entries 64
Mean −316.6
Std Dev 0

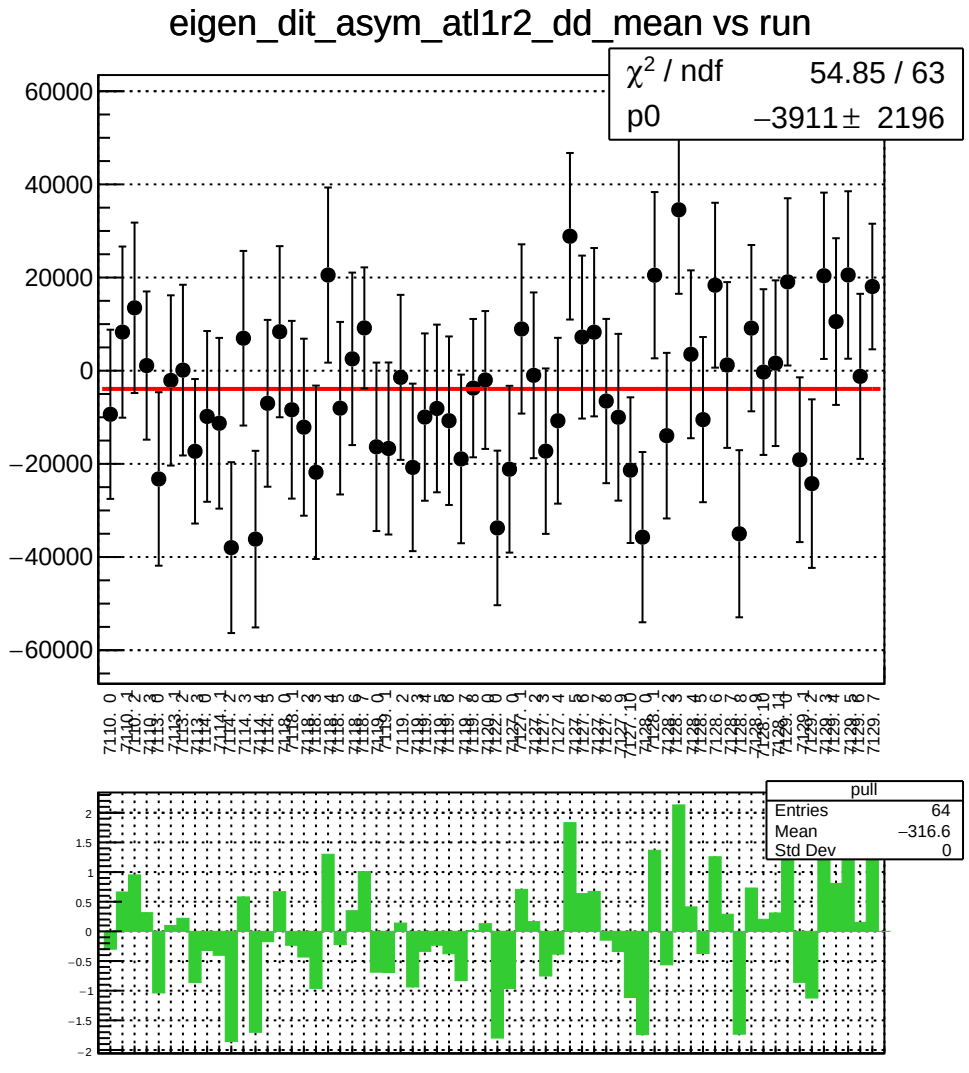

pull1D
Entries 64
Mean −0.01165
Std Dev 0.9257

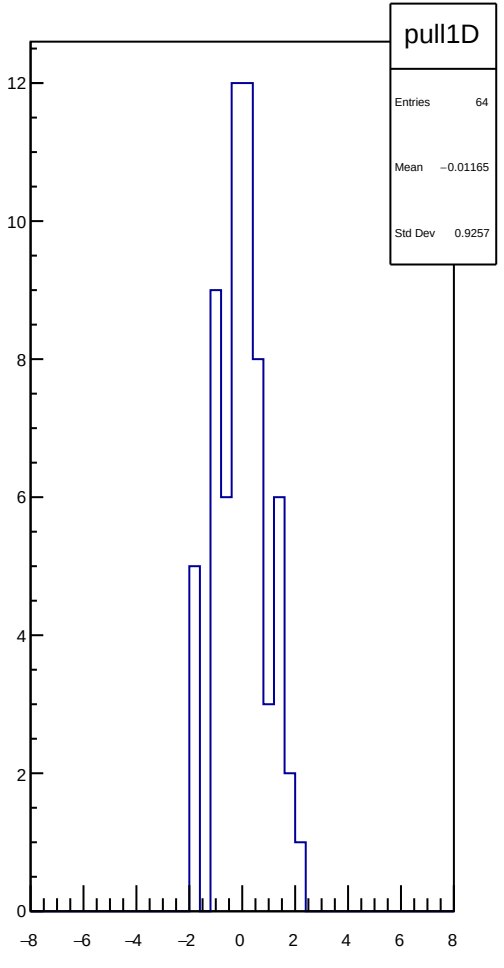

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 462.3 / 63
p0 1719 ± 1.553
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640

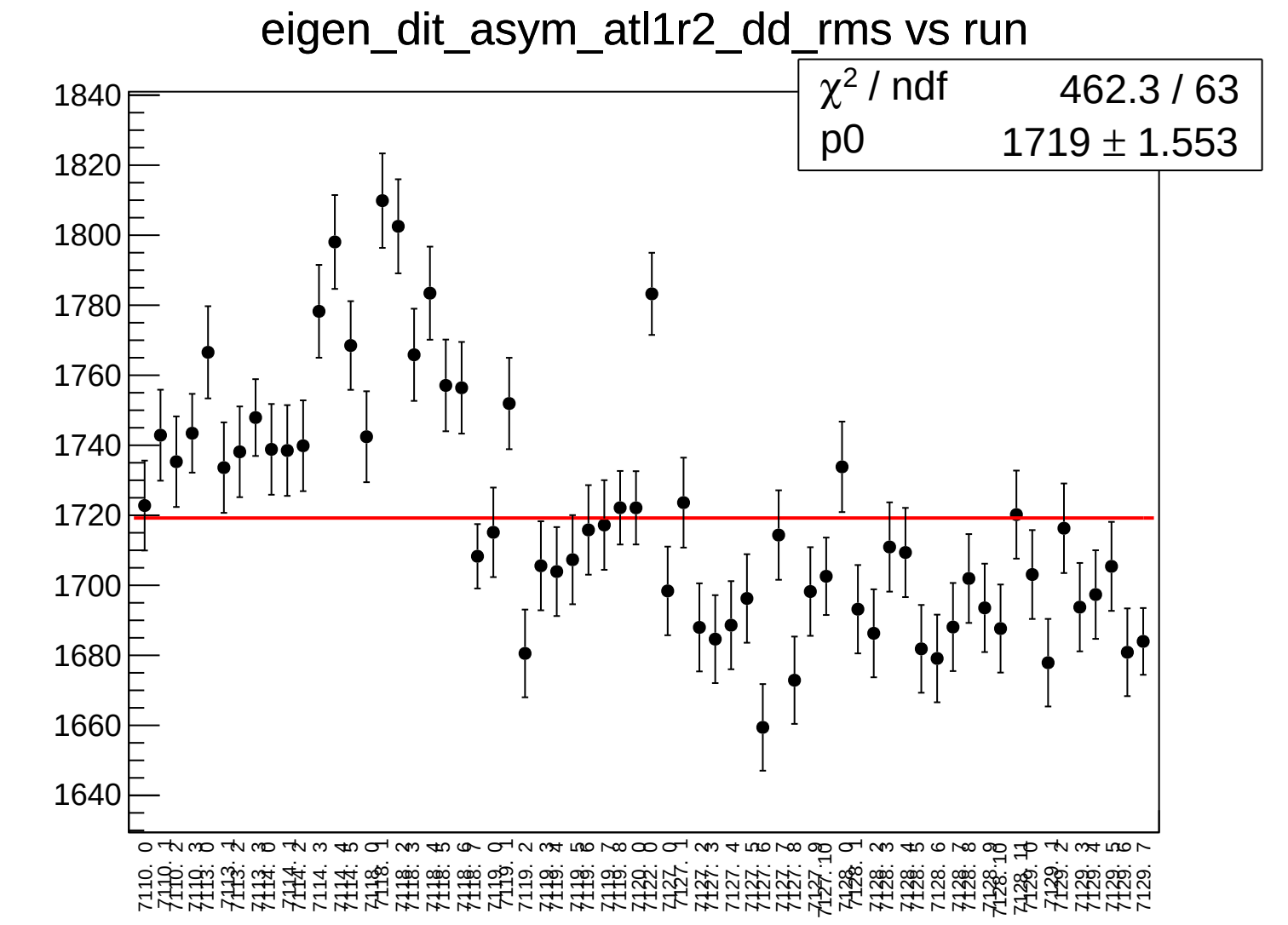

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 55.07 / 63
p0 1566 ± 6030
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 87.12
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

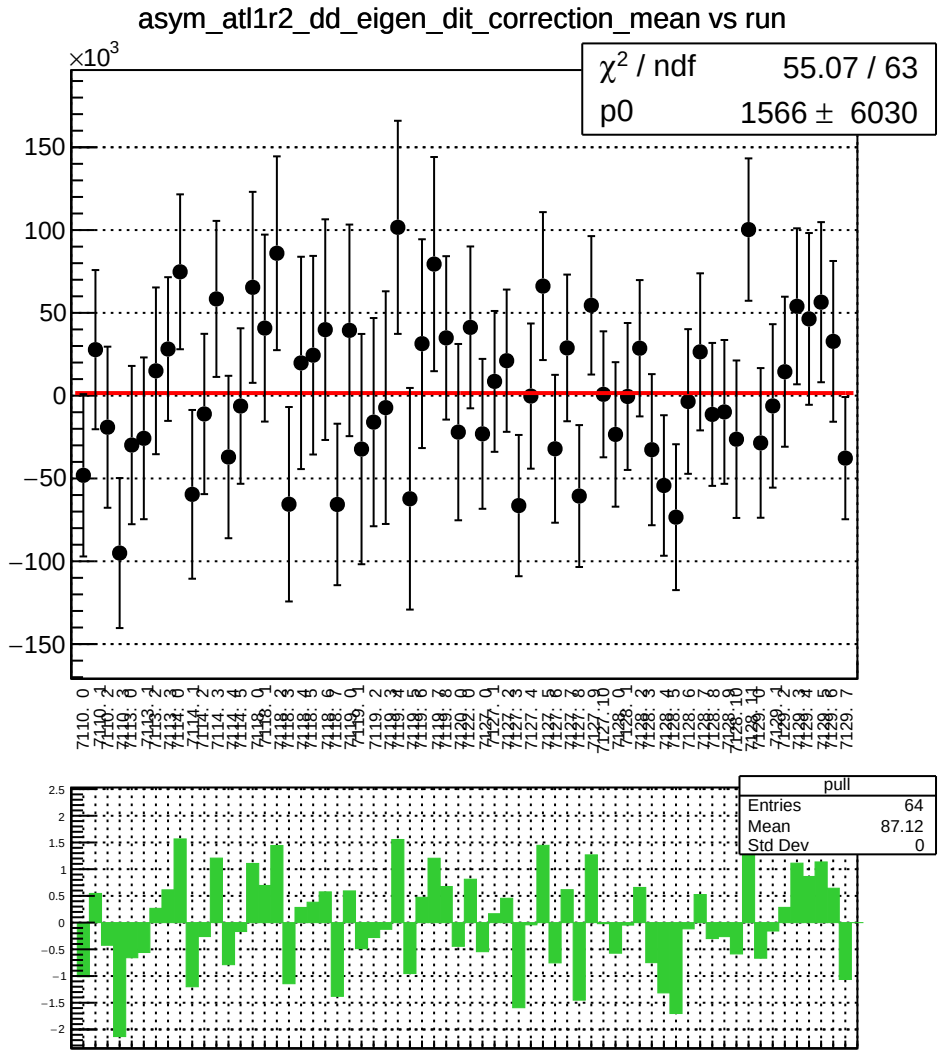

pull1D
Entries 64
Mean 0.02374
Std Dev 0.9273
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

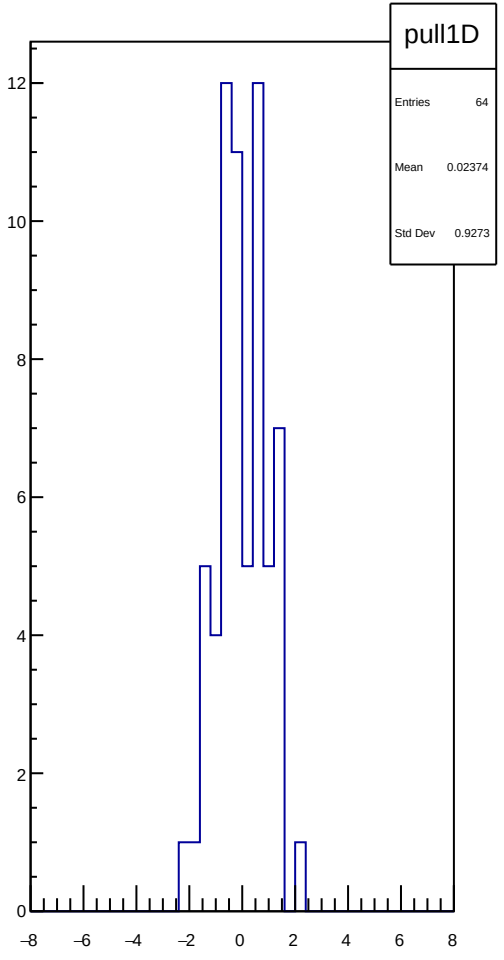

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 2.645e+04 / 63
p0 4670 ± 4.264
6500
6000
5500
5000
4500
4000

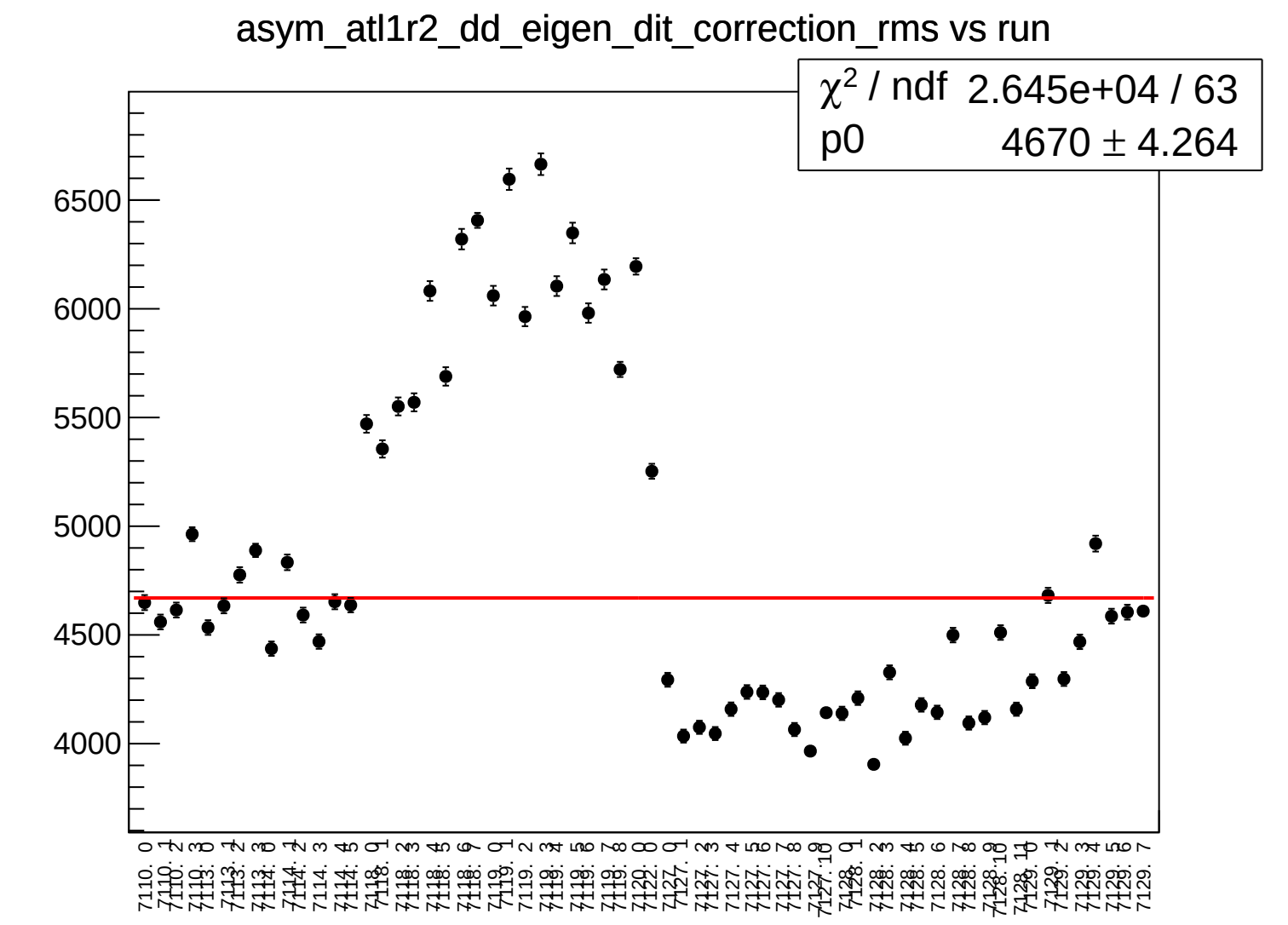

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 54.85 / 63
p0 −3911 ± 2196
pull
Entries 64
Mean −316.6
Std Dev 0

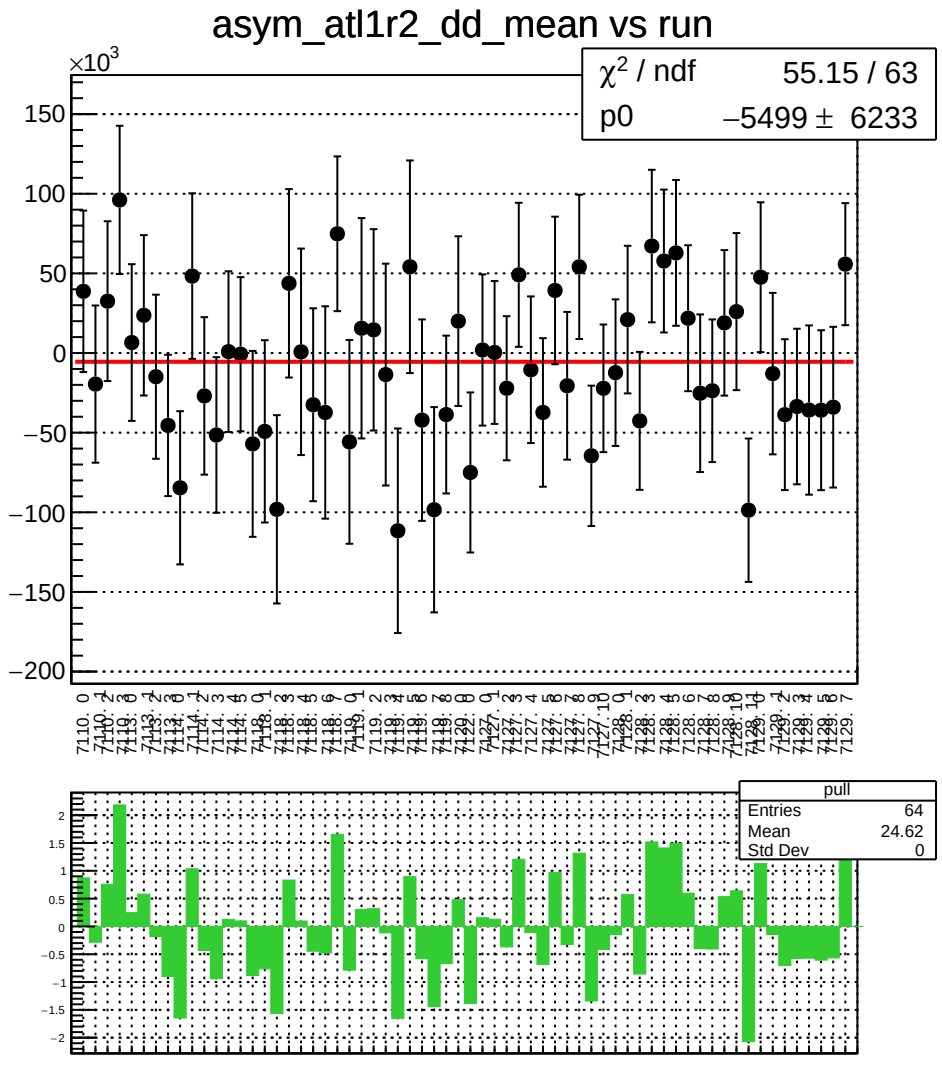

pull1D
Entries 64
Mean −0.01165
Std Dev 0.9257

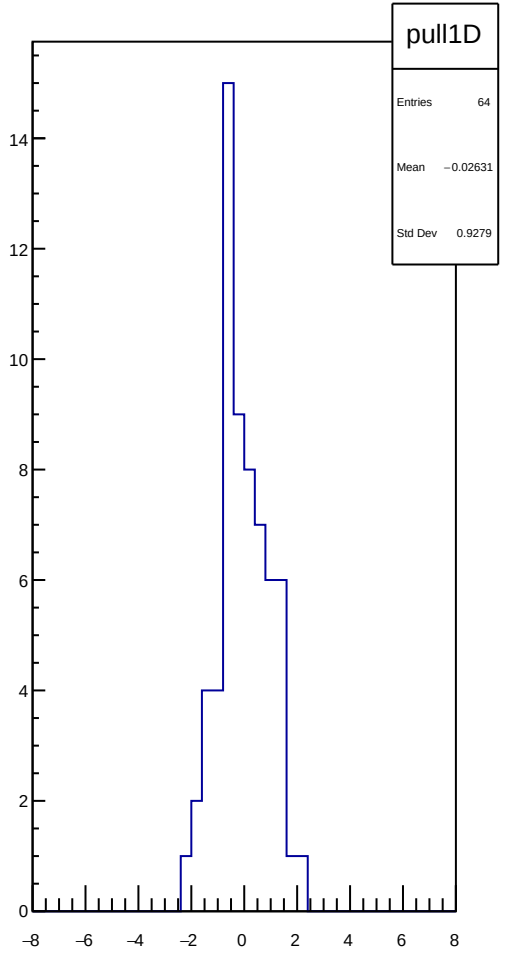

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 462.3 / 63
p0 1719 ± 1.553
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640

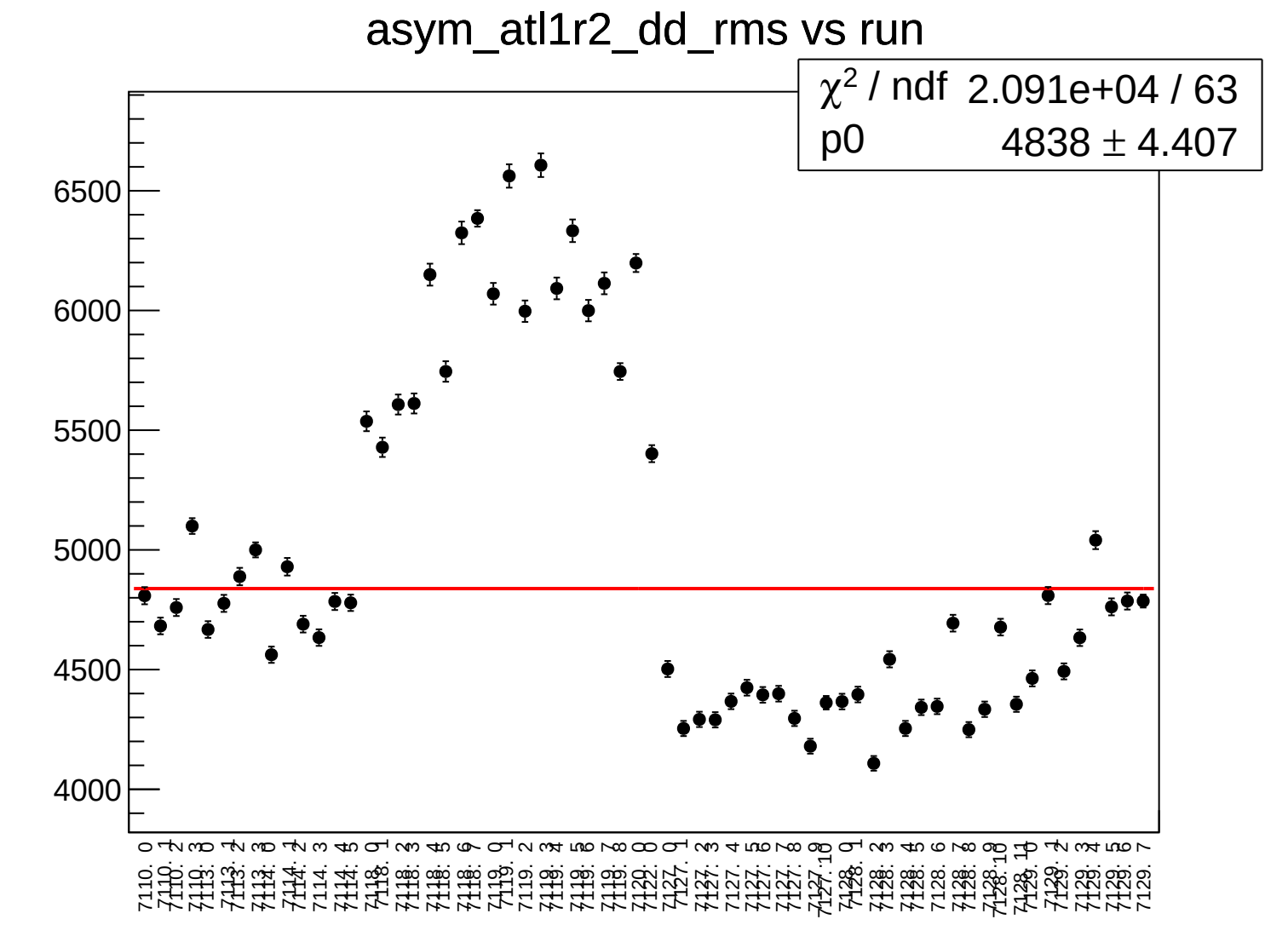

asym_atl1r2_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.07 / 63
p0 1566 ± 6030
pull
Entries 64
Mean 87.12
Std Dev 0

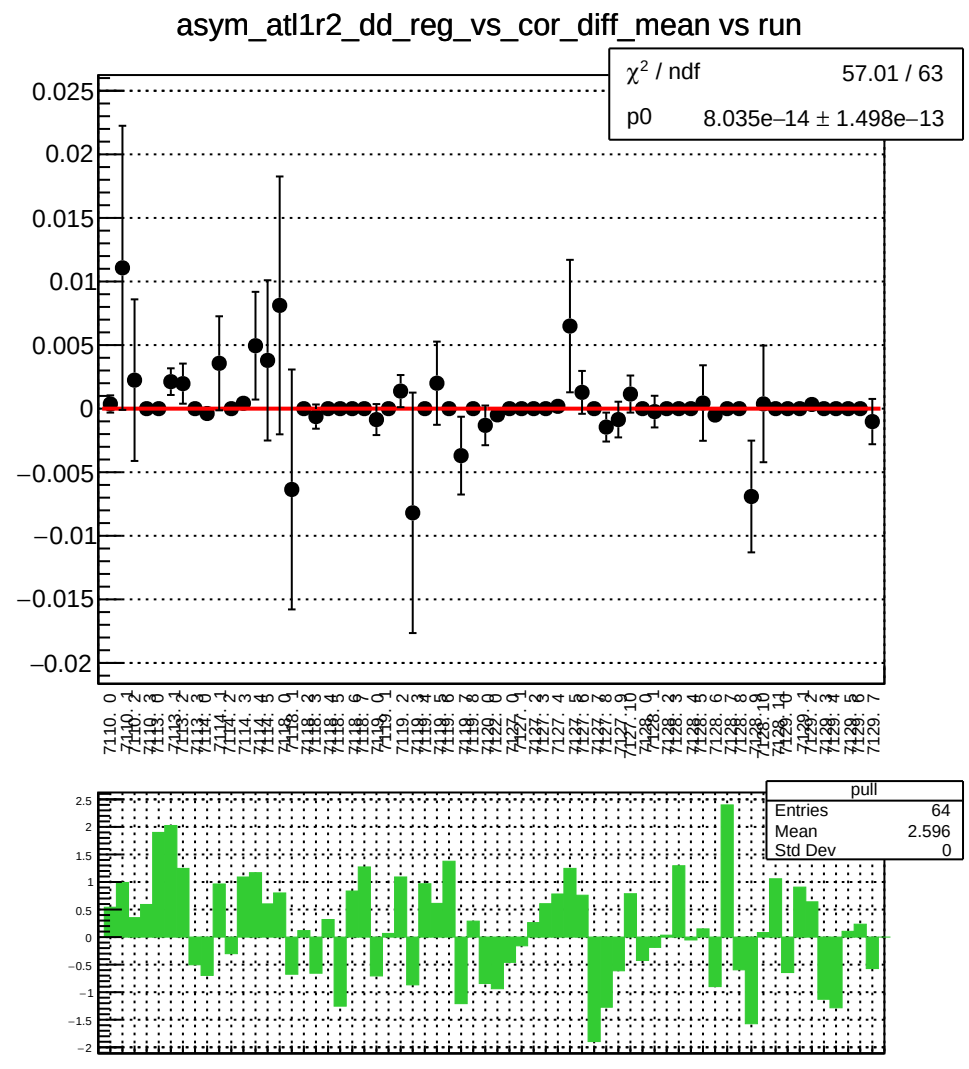

pull1D
Entries 64
Mean 0.02374
Std Dev 0.9273

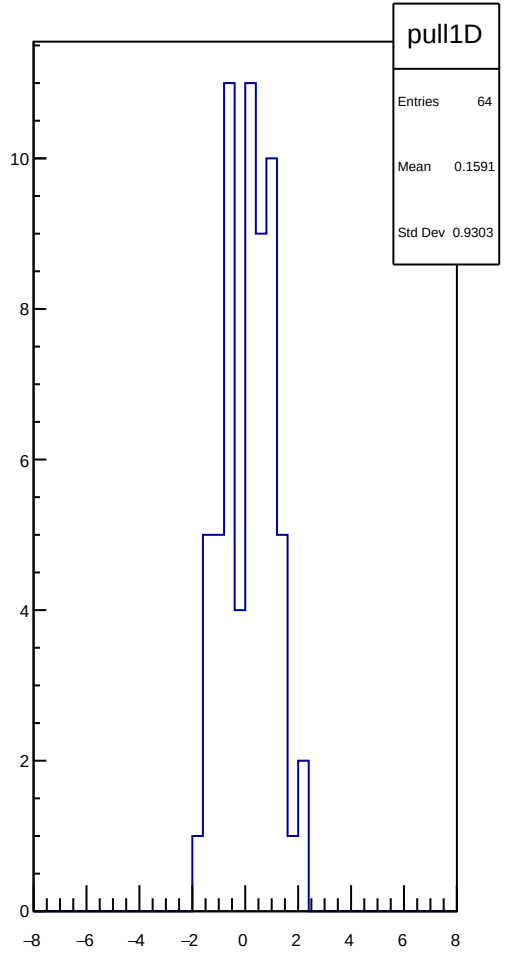

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.645e+04 / 63
p0 4670 ± 4.264
6500
6000
5500
5000
4500
4000

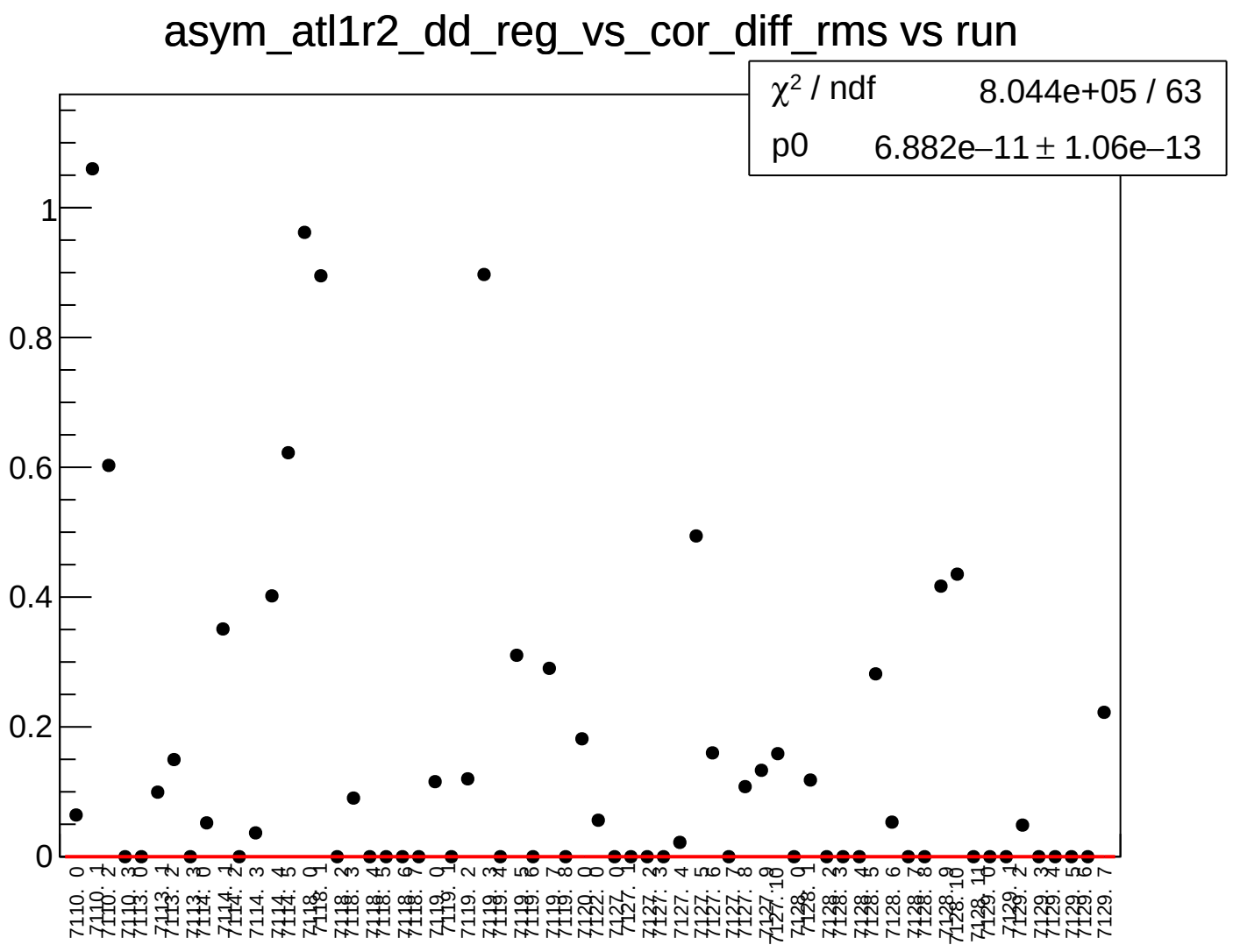

asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 55.15 / 63
p0 −5499 ± 6233
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 24.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

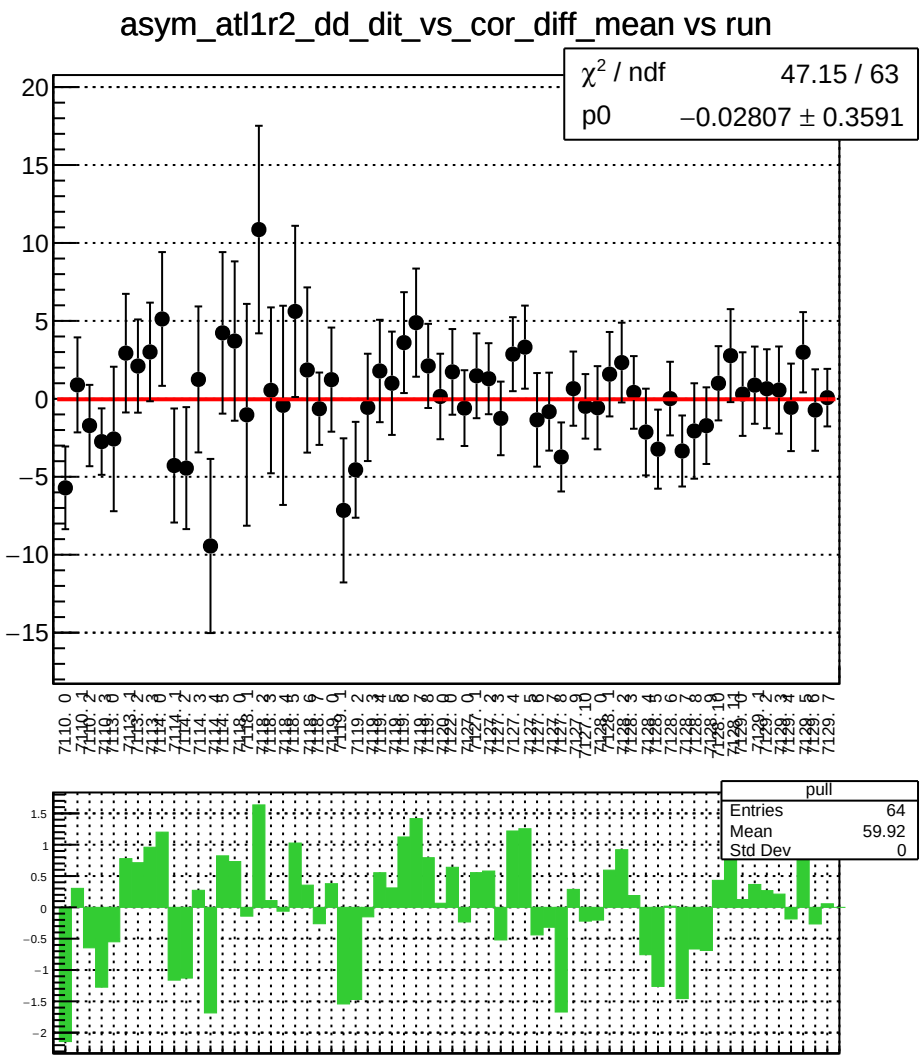

pull1D
Entries 64
Mean −0.02631
Std Dev 0.9279
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

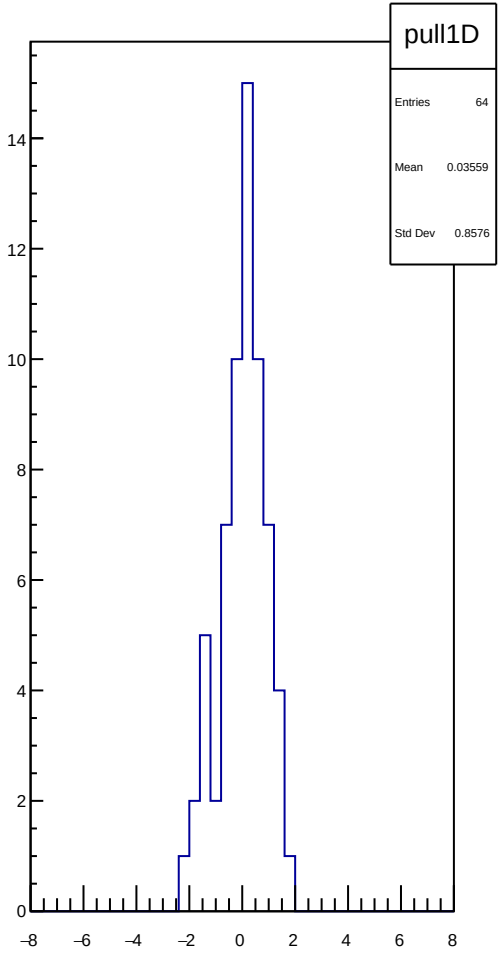

asym_atl1r2_dd_rms vs run
χ² / ndf 2.091e+04 / 63
p0 4838 ± 4.407
6500
6000
5500
5000
4500
4000

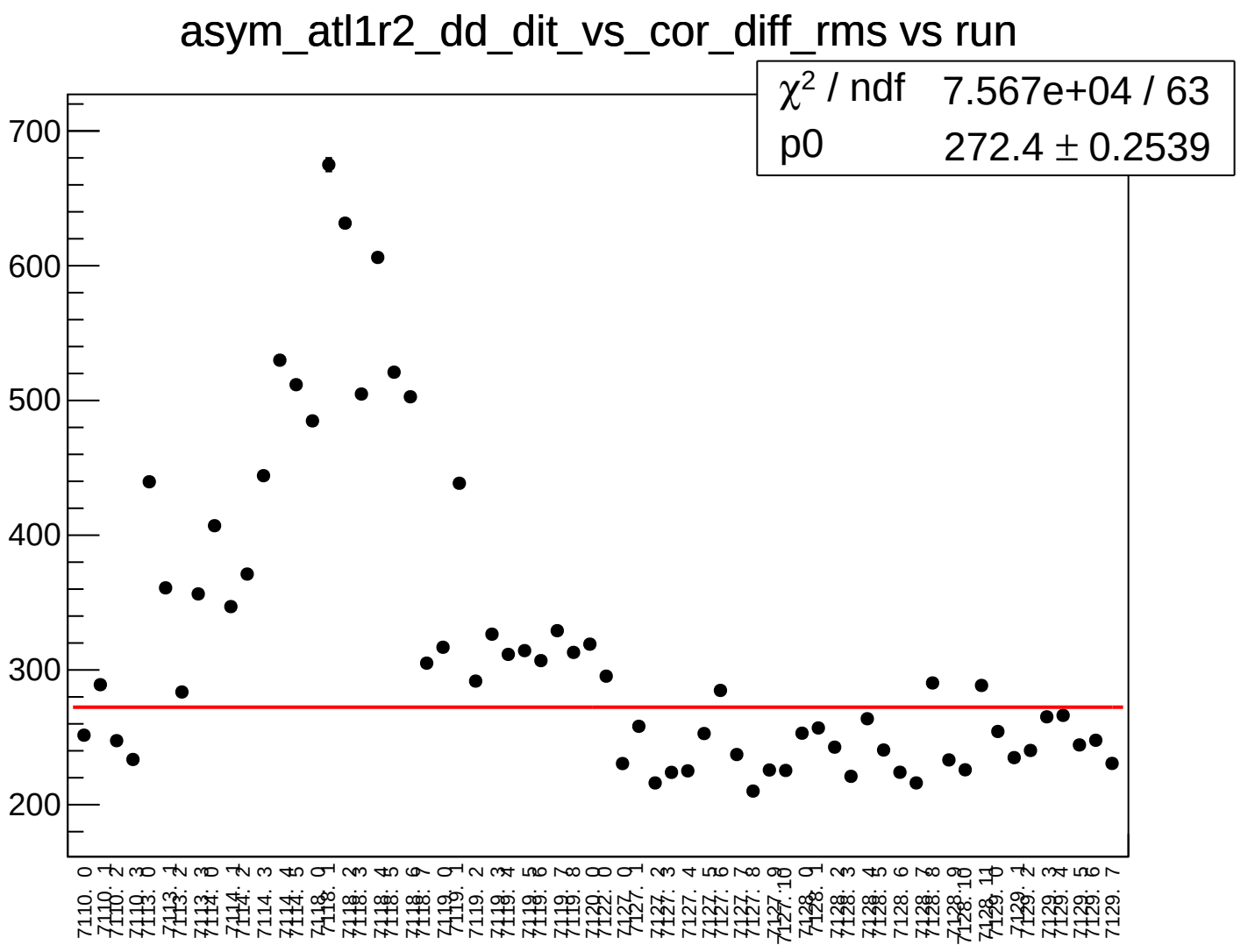

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.01 / 63
p0 8.035e−14 ± 1.498e−13
pull
Entries 64
Mean 2.596
Std Dev 0

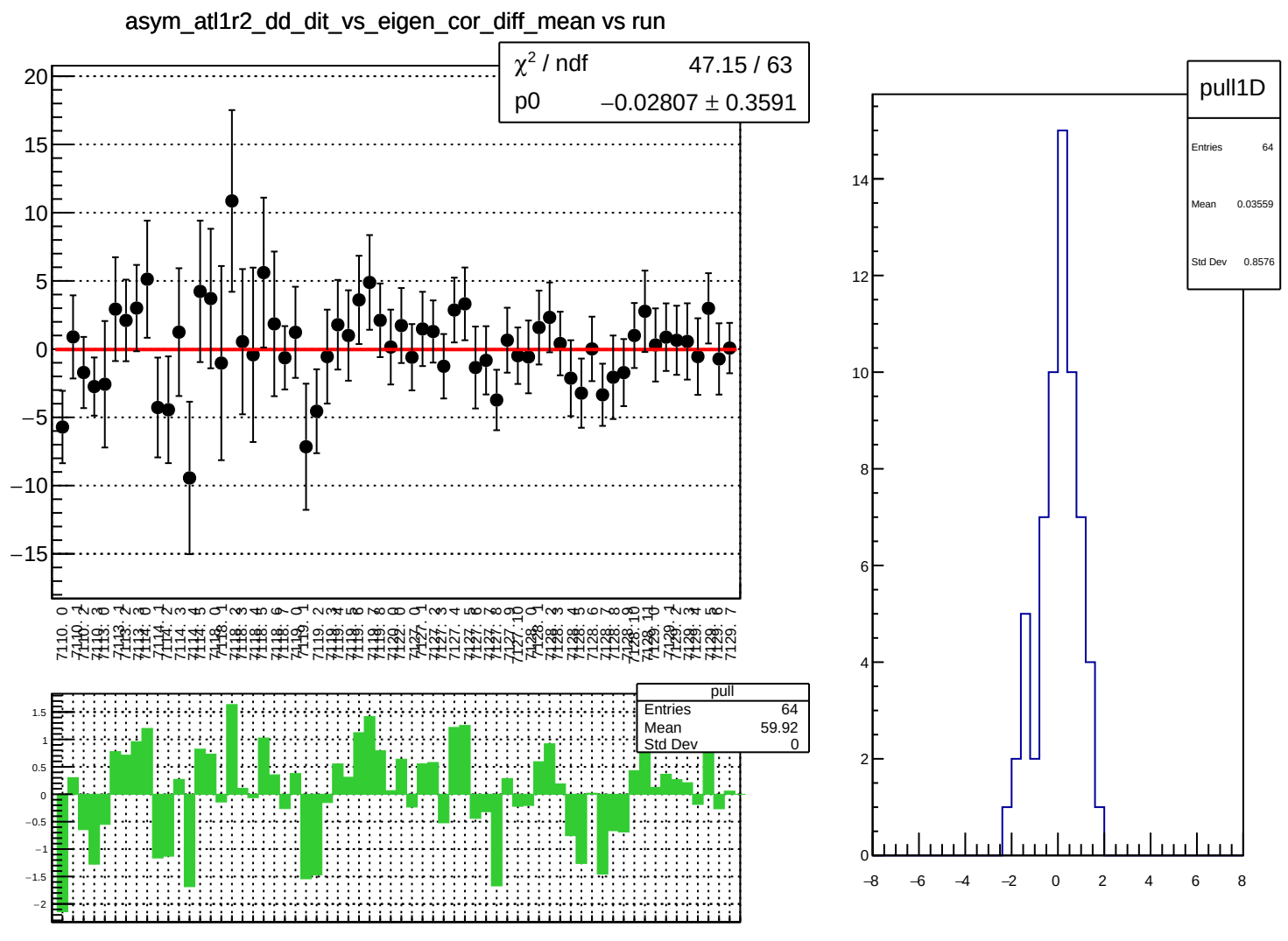

pull1D
Entries 64
Mean 0.1591
Std Dev 0.9303

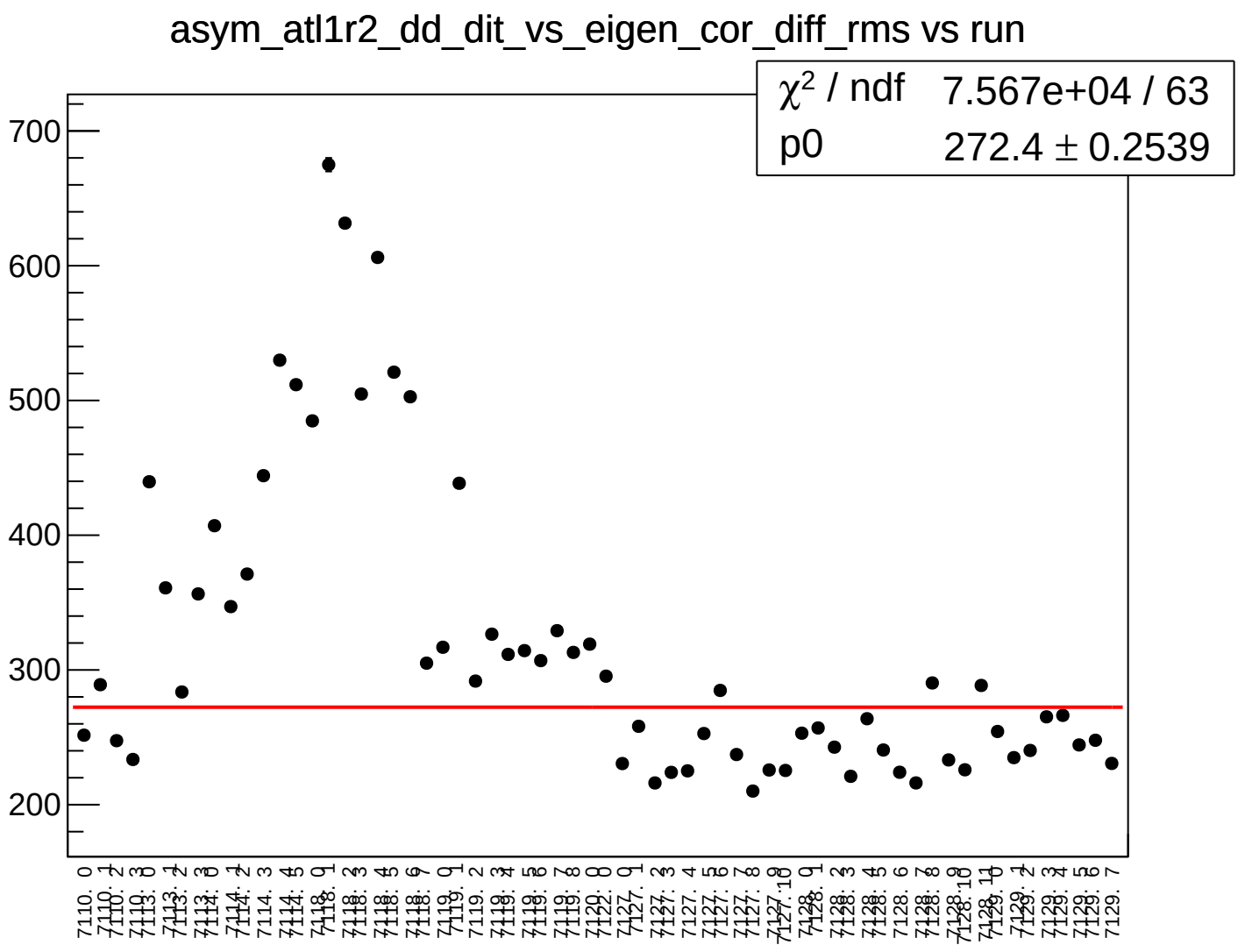

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.044e+05 / 63
p0 6.882e−11 ± 1.06e−13
1
0.8
0.6
0.4
0.2
0

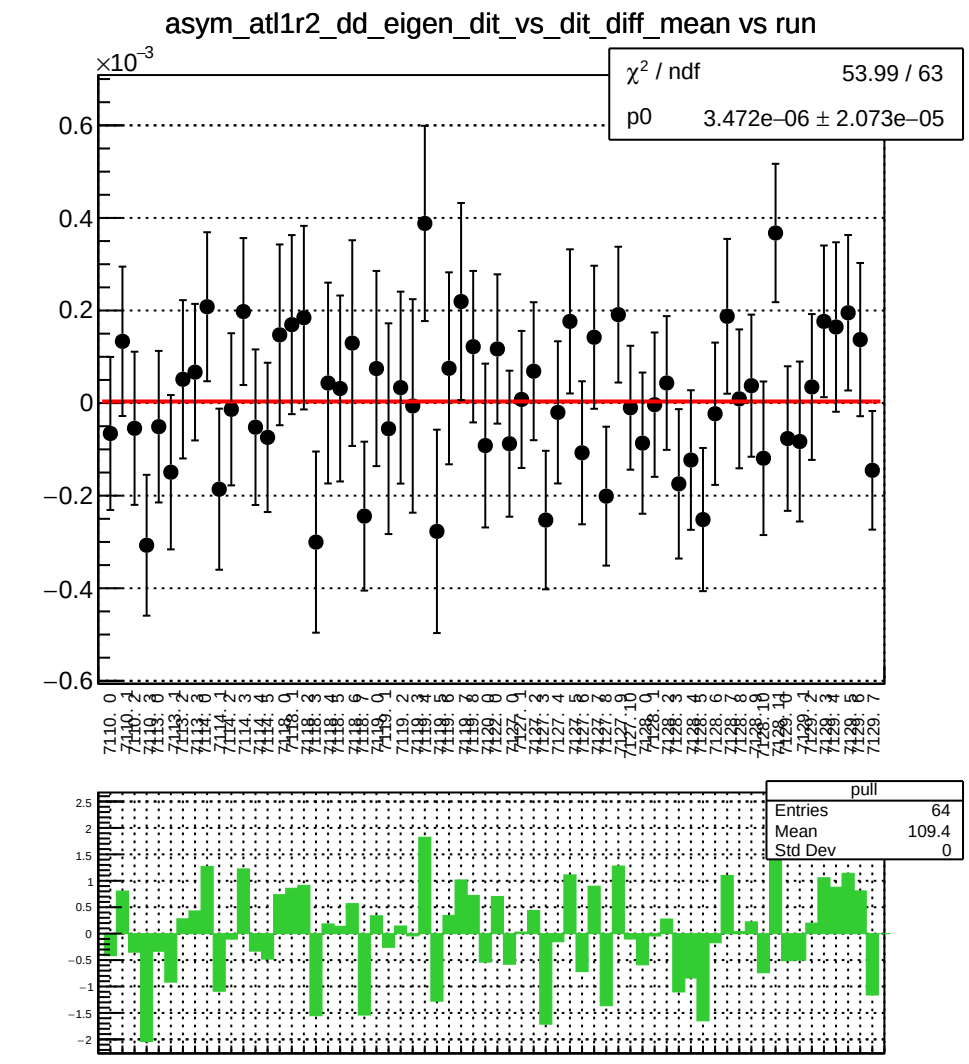

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.15 / 63
p0 −0.02807 ± 0.3591
pull
Entries 64
Mean 59.92
Std Dev 0

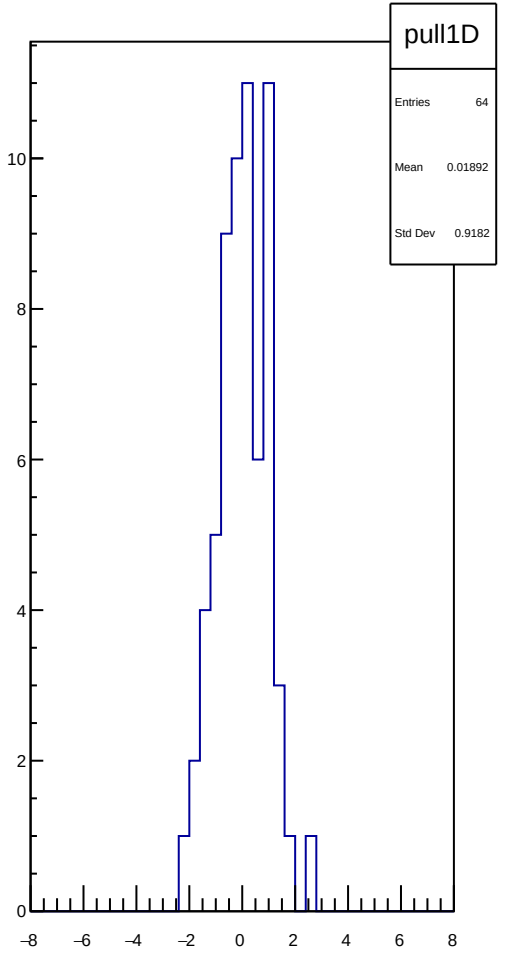

pull1D
Entries 64
Mean 0.03559
Std Dev 0.8576

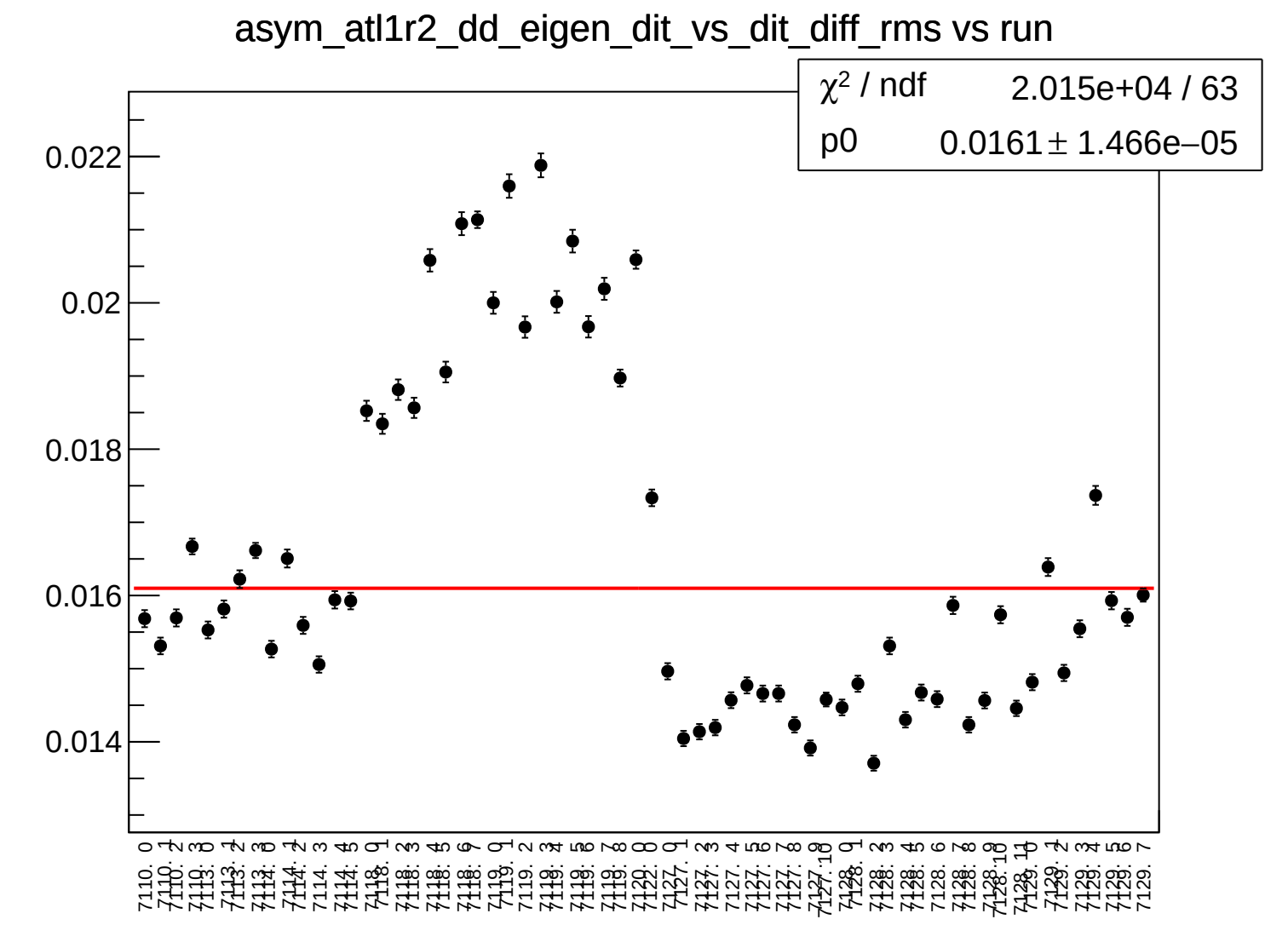

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.567e+04 / 63
p0 272.4 ± 0.2539
700
600
500
400
300
200

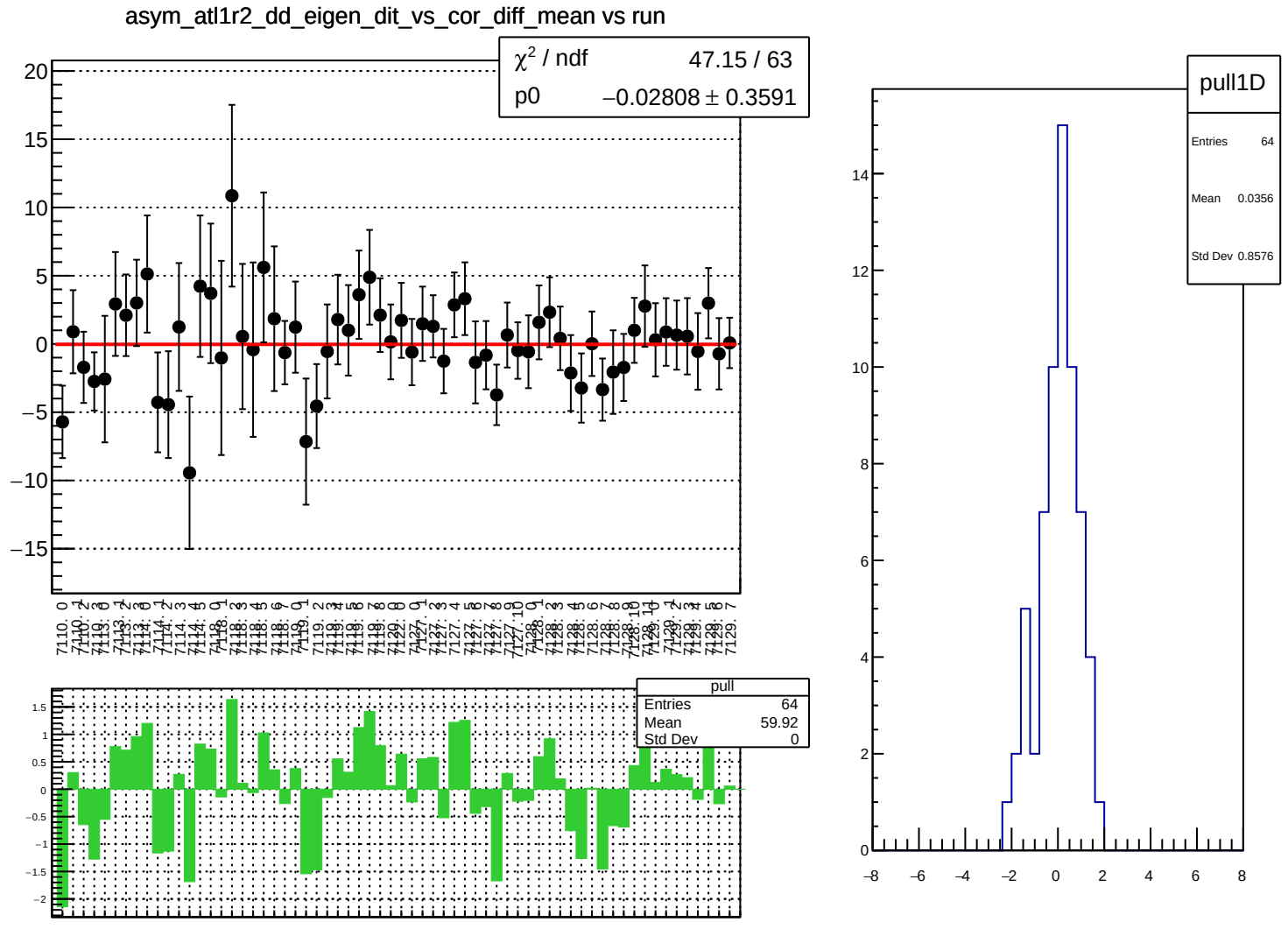

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.15 / 63
p0 −0.02807 ± 0.3591
pull
Entries 64
Mean 59.92
Std Dev 0
pull1D
Entries 64
Mean 0.03559
Std Dev 0.8576

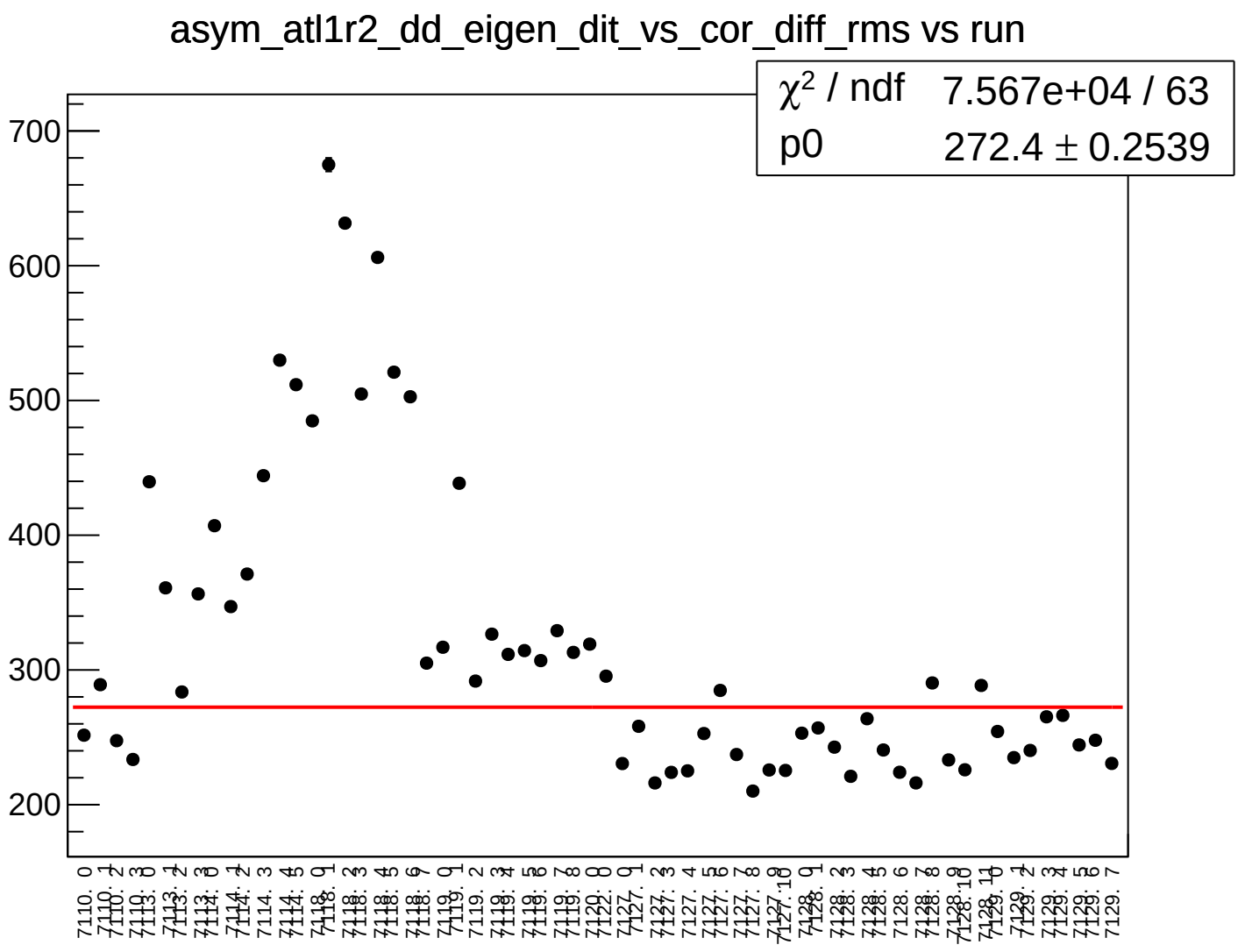

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.567e+04 / 63
p0 272.4 ± 0.2539
700
600
500
400
300
200

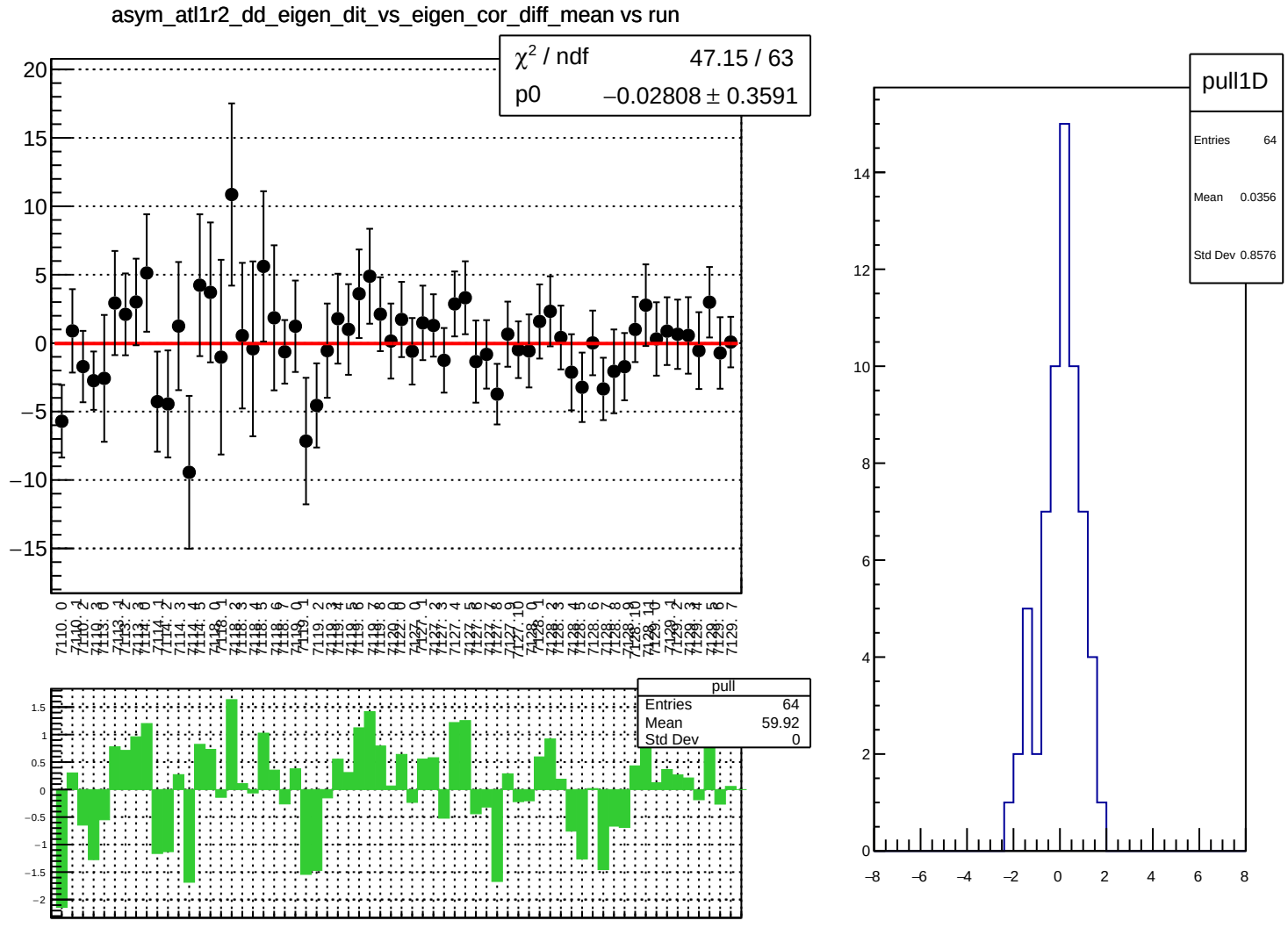

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.99 / 63
p0 3.472e−06 ± 2.073e−05
pull
Entries 64
Mean 109.4
Std Dev 0

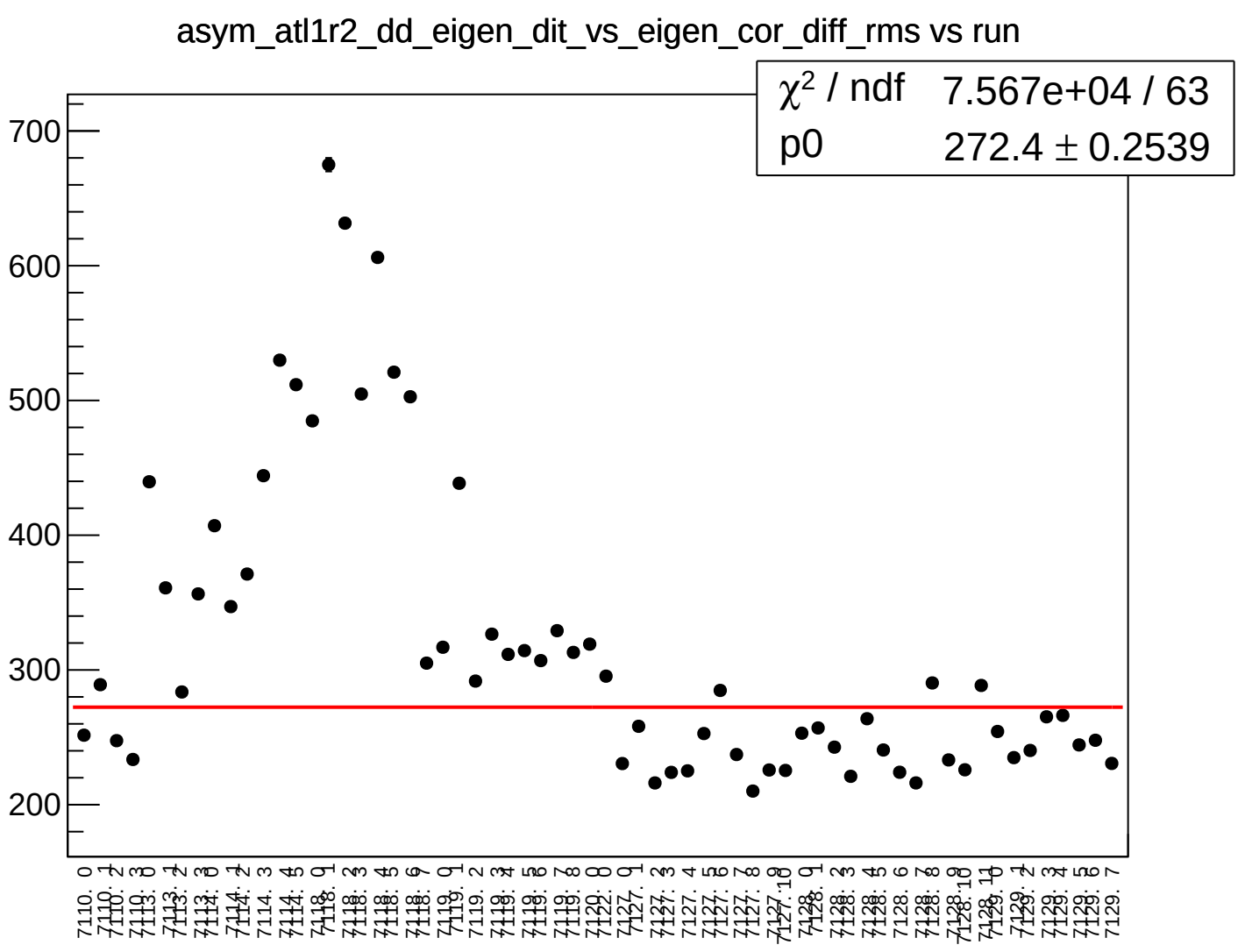

pull1D
Entries 64
Mean 0.01892
Std Dev 0.9182

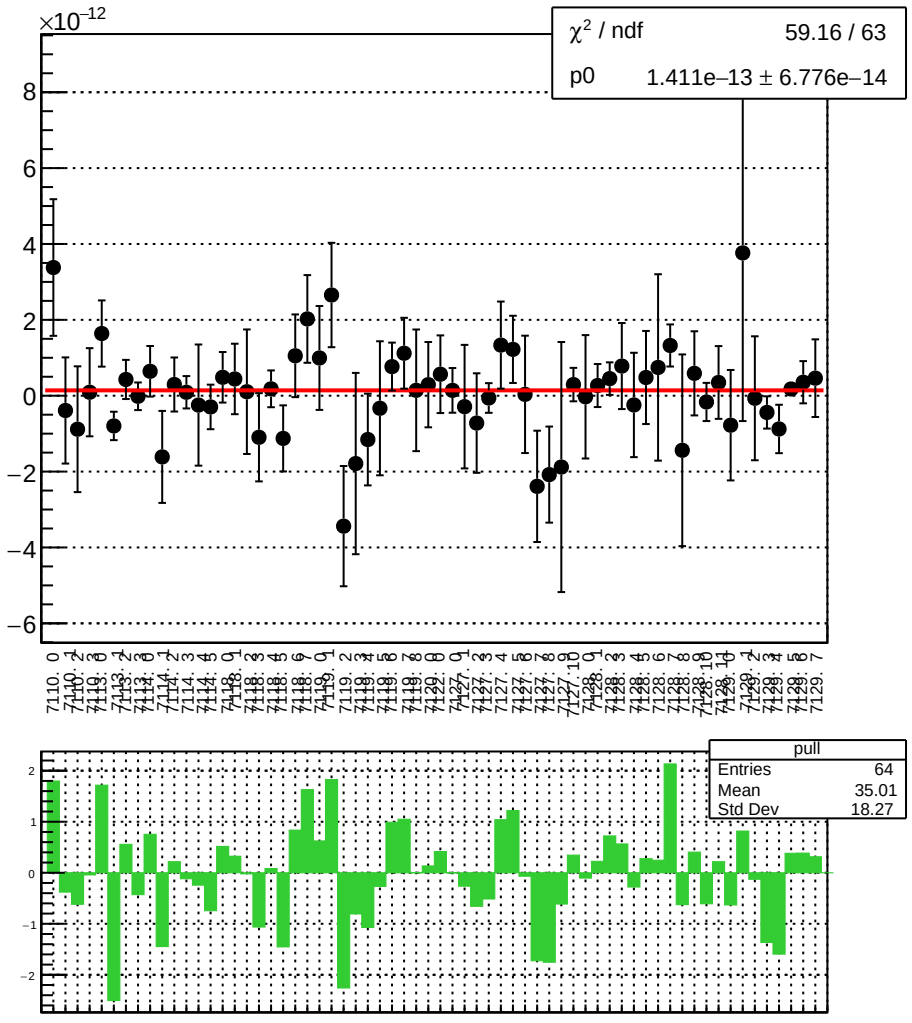

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.015e+04 / 63
p0 0.0161 ± 1.466e−05
0.022
0.02
0.018
0.016
0.014

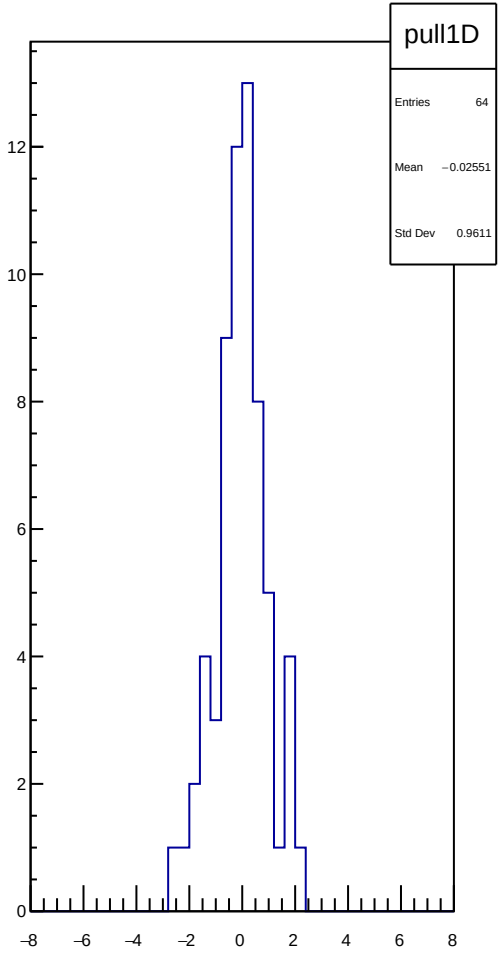

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.15 / 63
p0 −0.02808 ± 0.3591
pull
Entries 64
Mean 59.92
Std Dev 0
pull1D
Entries 64
Mean 0.0356
Std Dev 0.8576

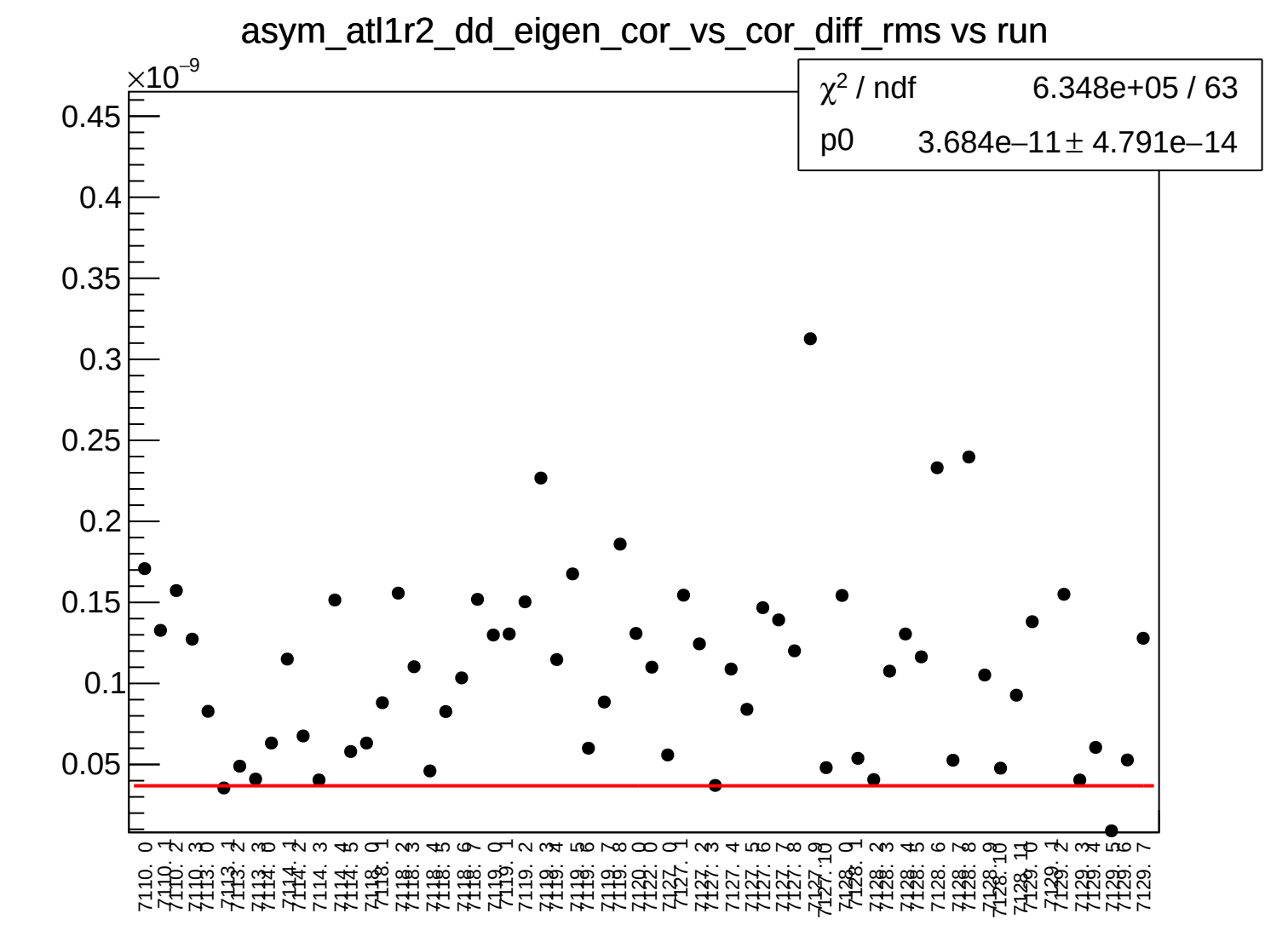

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.567e+04 / 63
p0 272.4 ± 0.2539
700
600
500
400
300
200

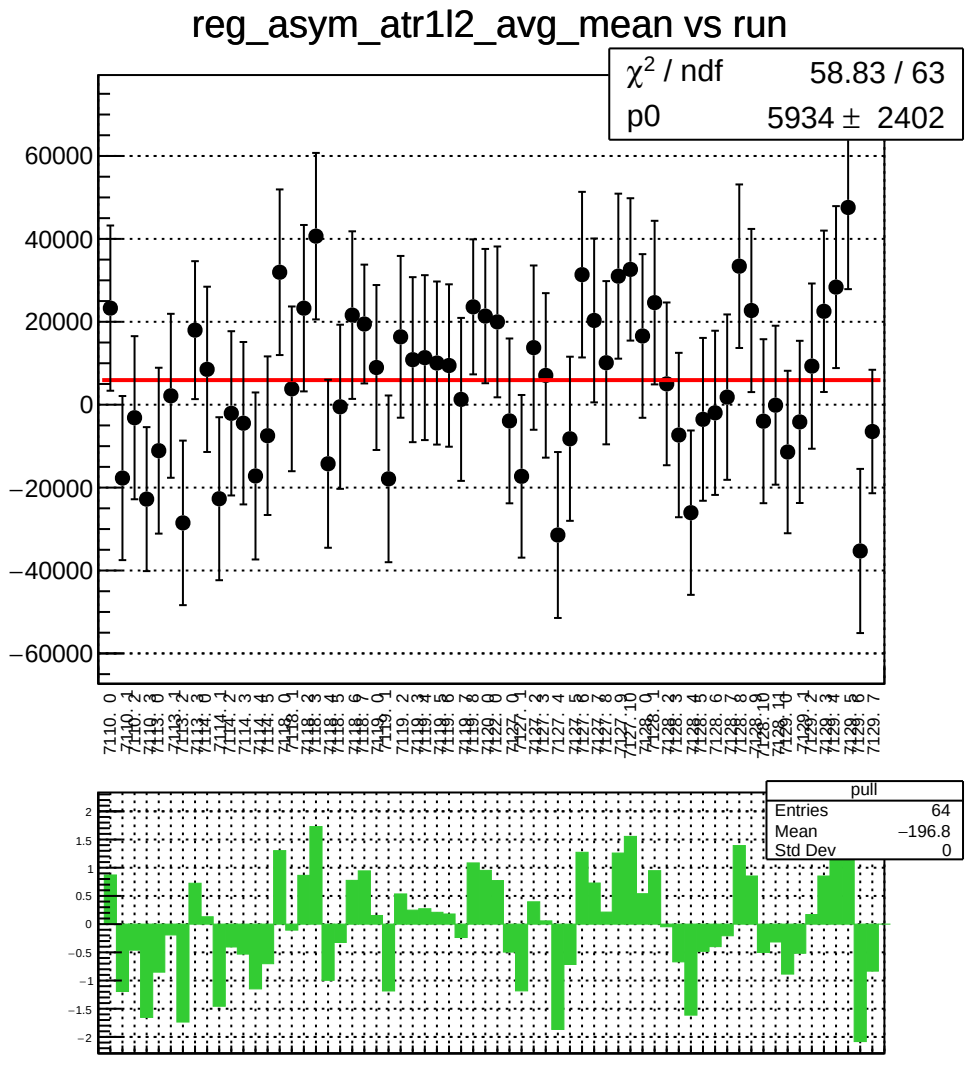

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.15 / 63
p0 −0.02808 ± 0.3591
pull
Entries 64
Mean 59.92
Std Dev 0
pull1D
Entries 64
Mean 0.0356
Std Dev 0.8576

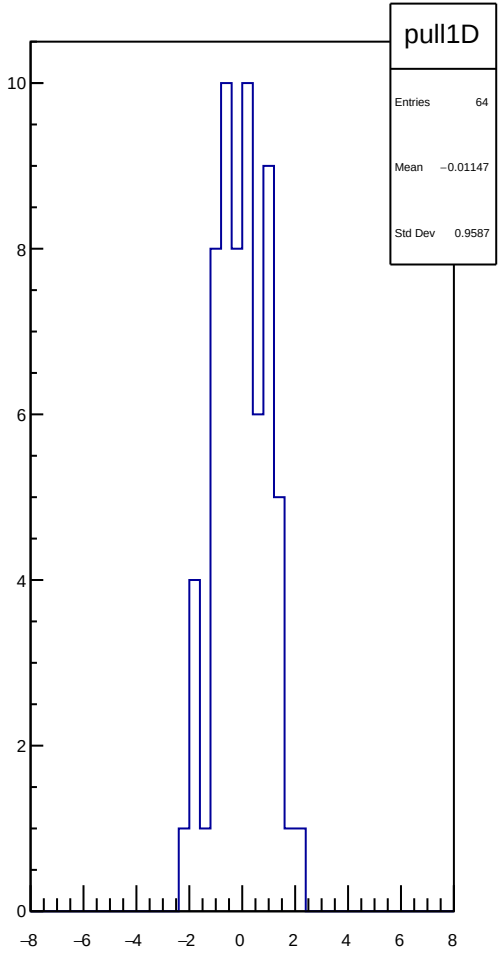

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.567e+04 / 63
p0 272.4 ± 0.2539
700
600
500
400
300
200

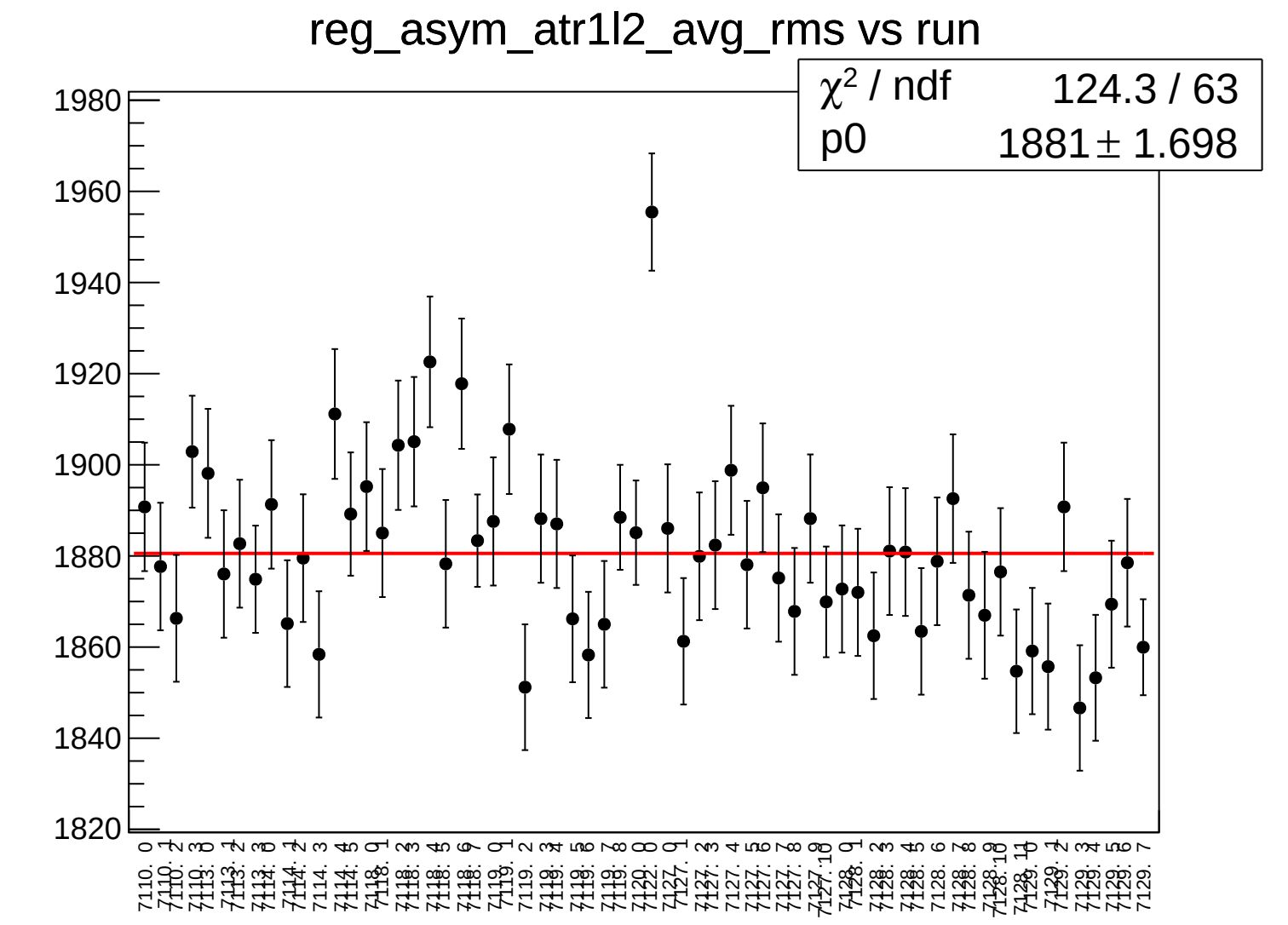

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.16 / 63
p0 1.411e−13 ± 6.776e−14
pull
Entries 64
Mean 35.01
Std Dev 18.27

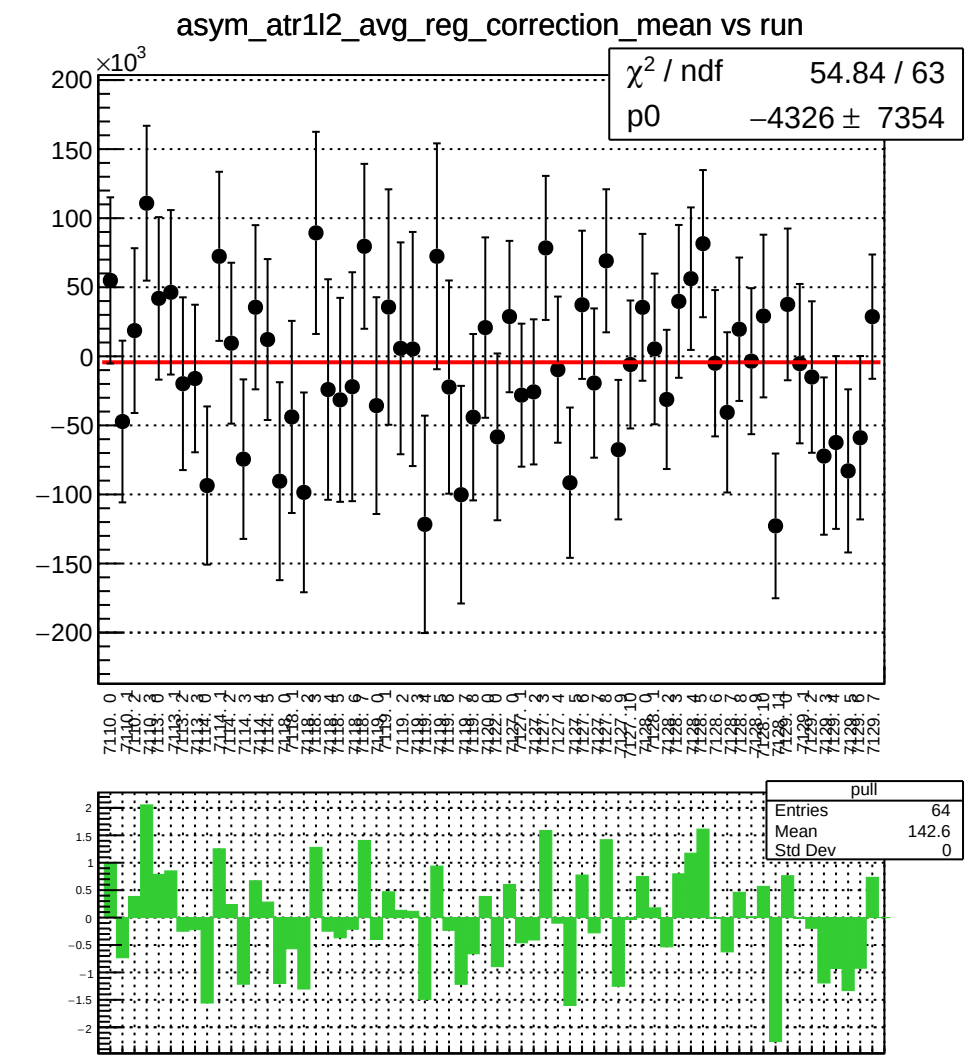

pull1D
Entries 64
Mean −0.02551
Std Dev 0.9611

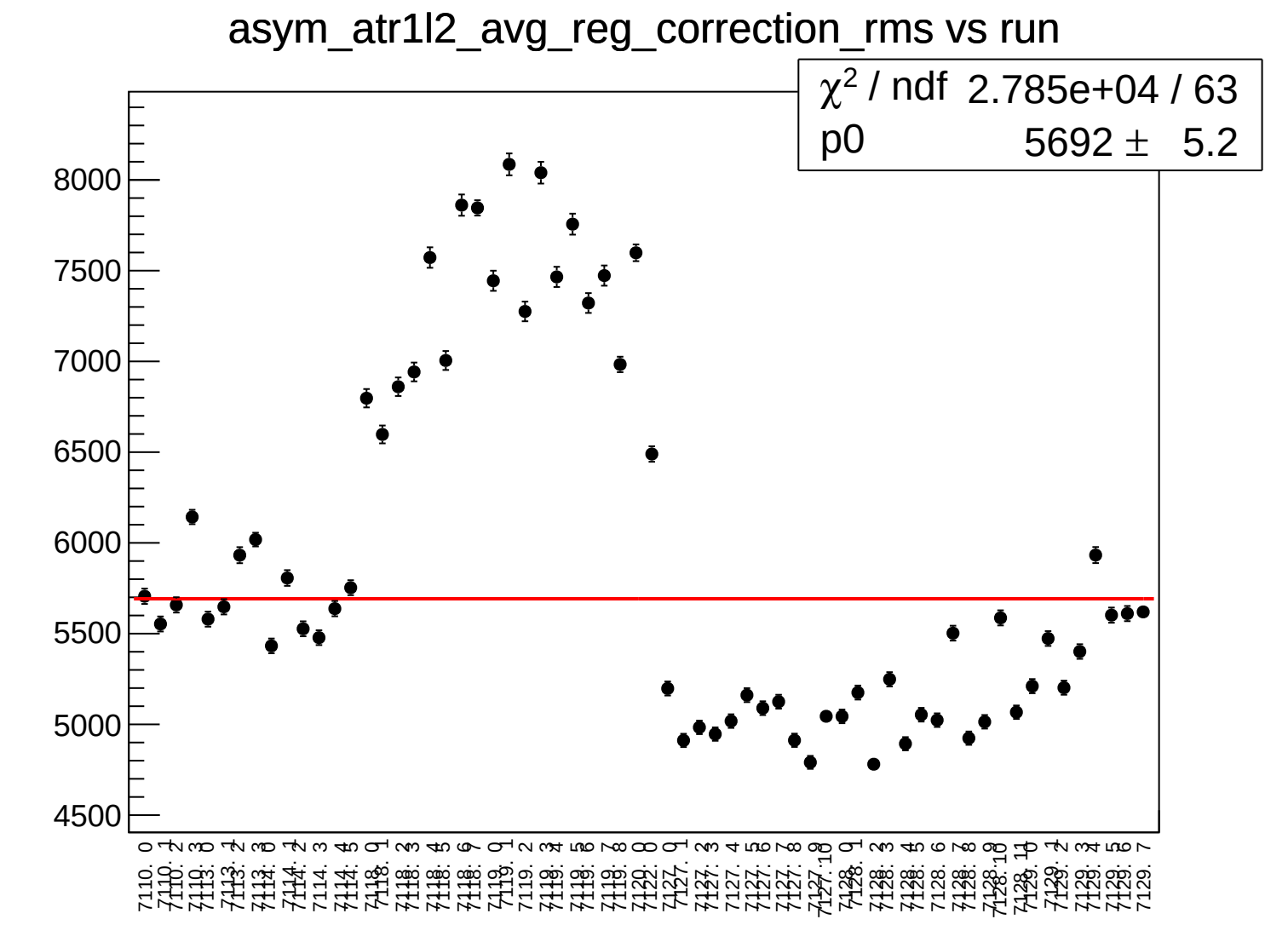

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.348e+05 / 63
p0 3.684e−11 ± 4.791e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

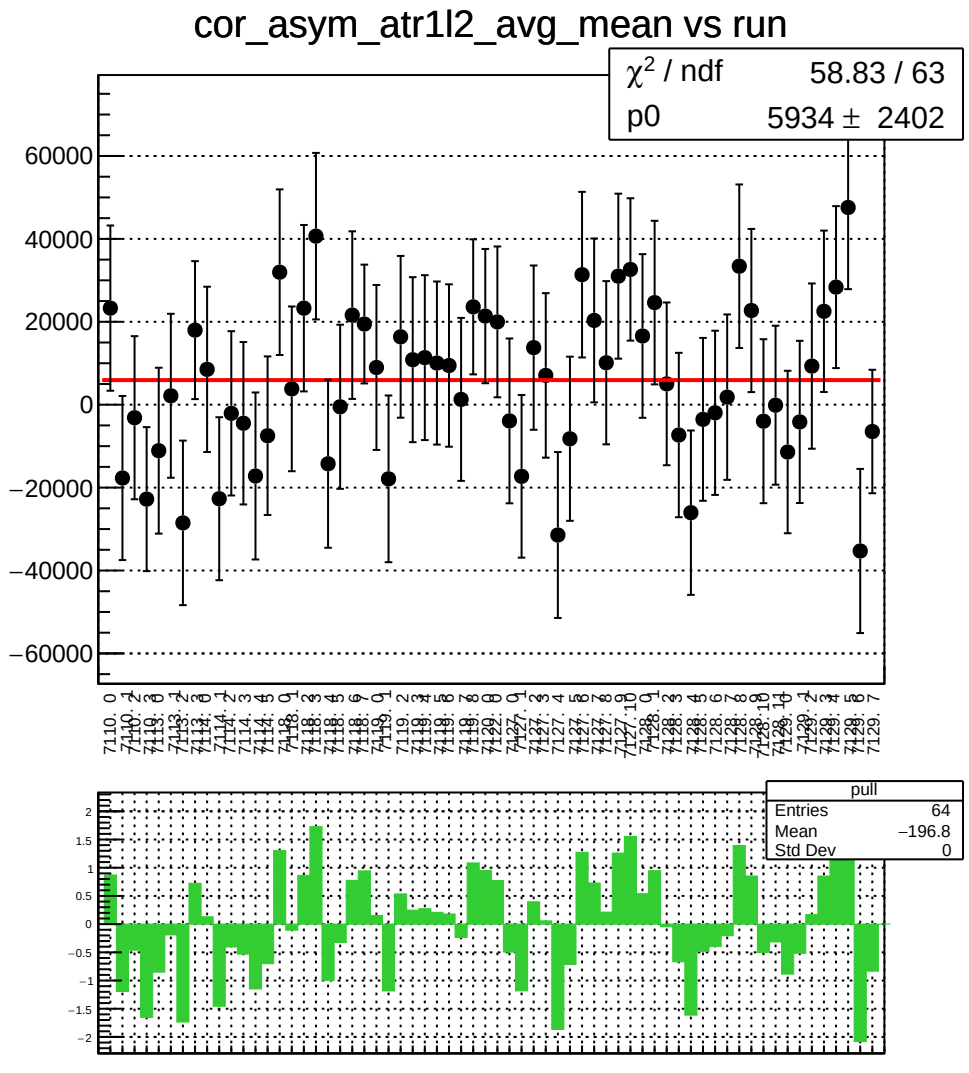

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 58.83 / 63
p0 5934 ± 2402
pull
Entries 64
Mean −196.8
Std Dev 0

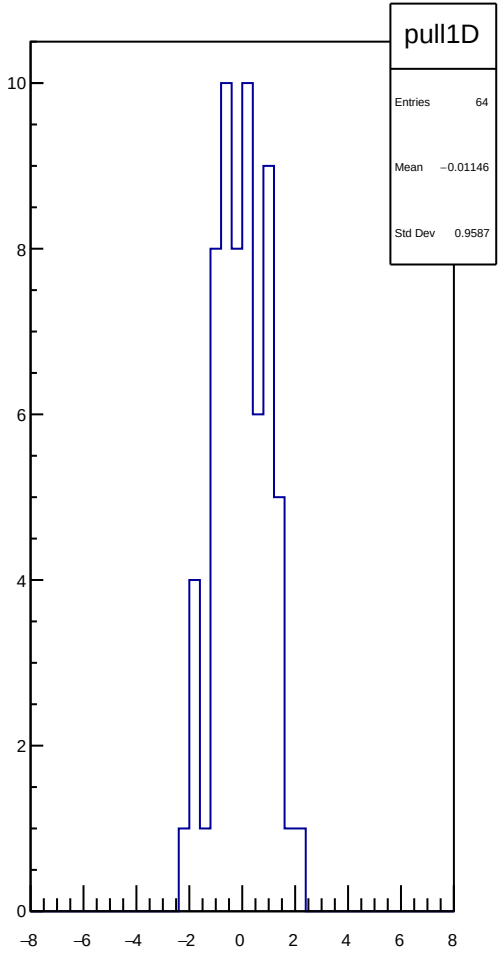

pull1D
Entries 64
Mean −0.01147
Std Dev 0.9587

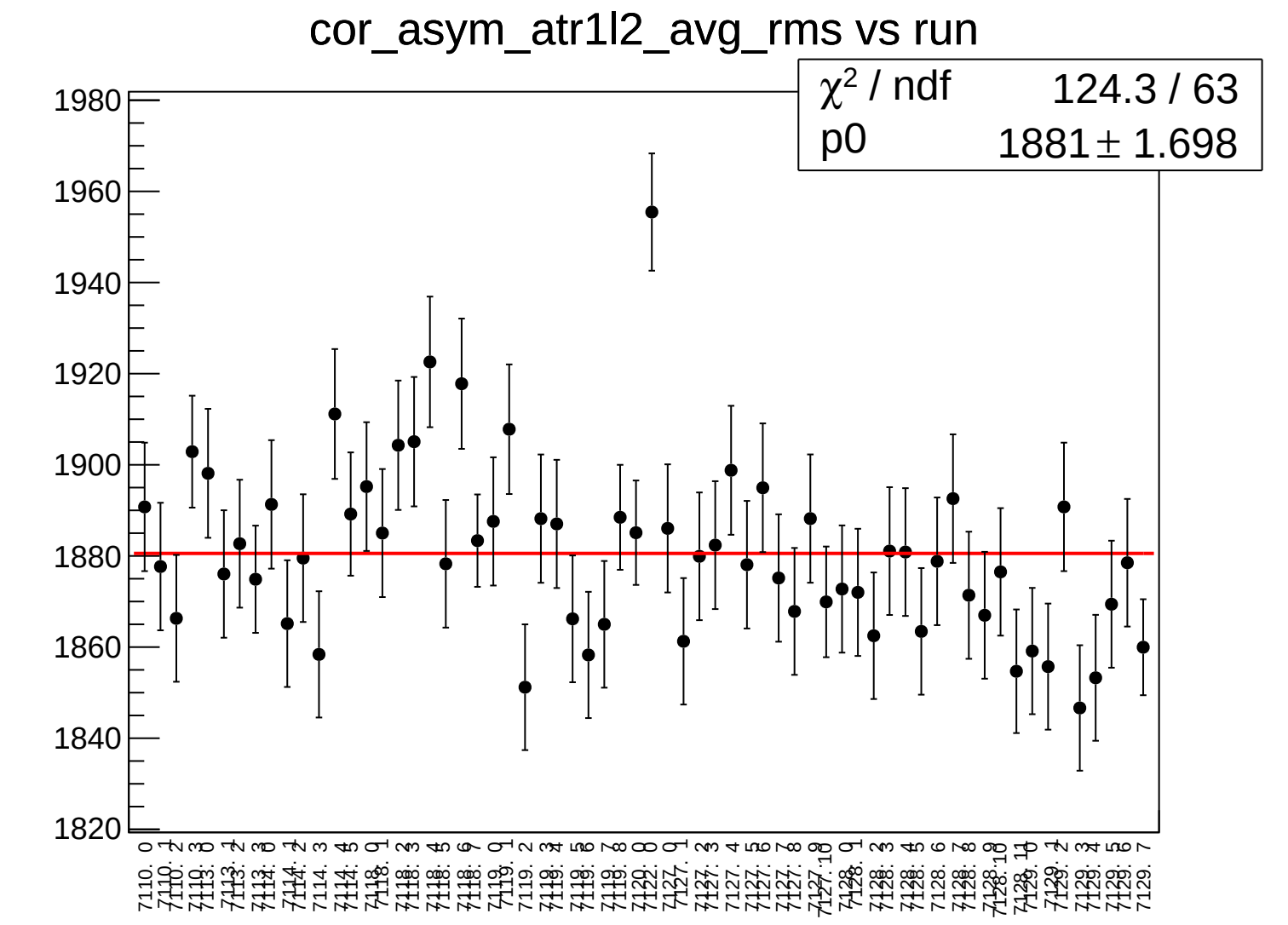

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 124.3 / 63
p0 1881 ± 1.698
1980
1960
1940
1920
1900
1880
1860
1840
1820

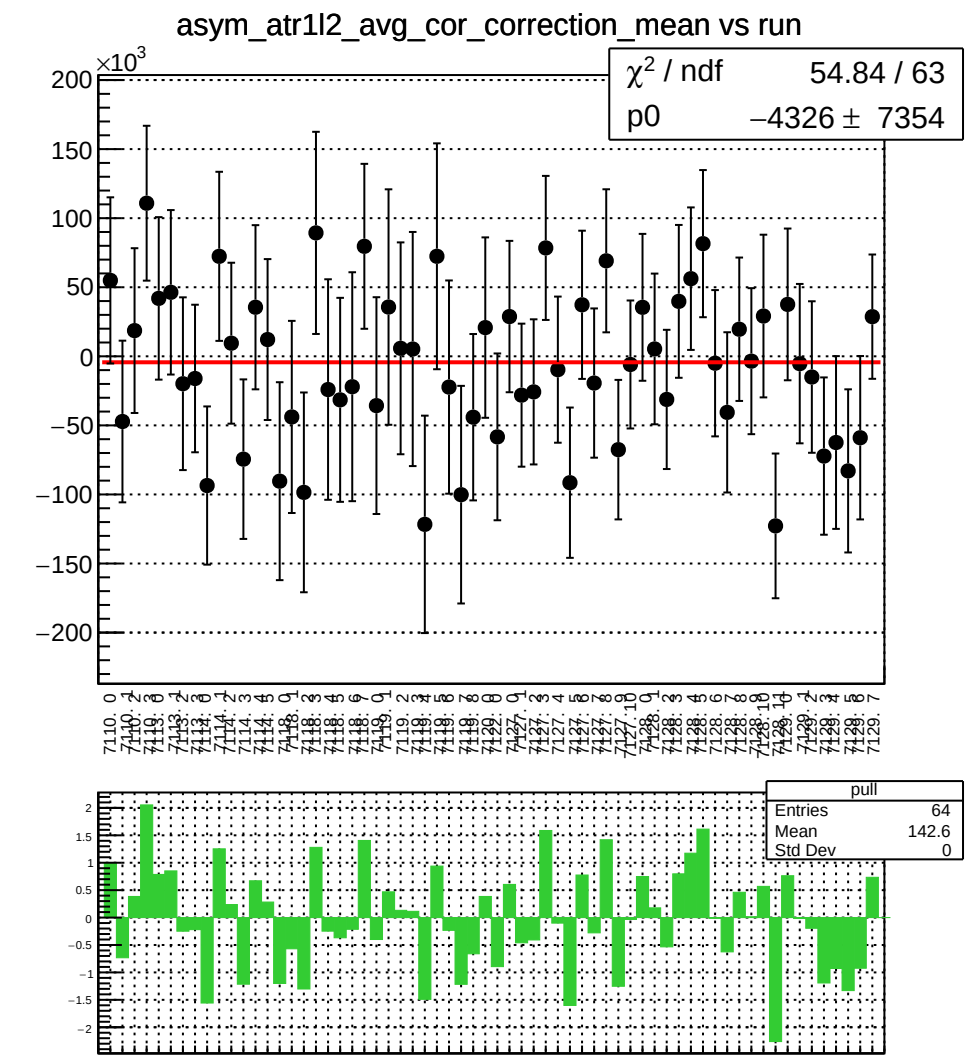

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.84 / 63
p0 −4326 ± 7354
pull
Entries 64
Mean 142.6
Std Dev 0
pull1D
Entries 64
Mean −0.01961
Std Dev 0.9255

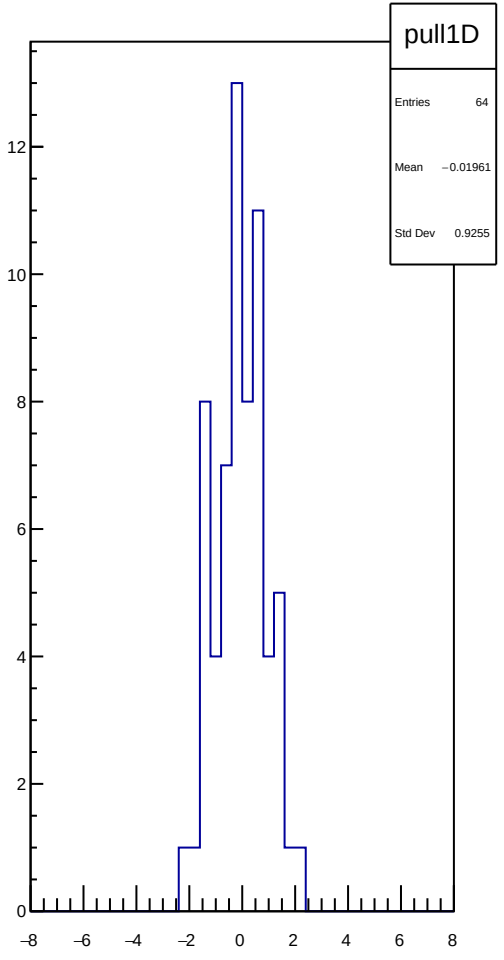

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 2.785e+04 / 63
p0 5692 ± 5.2
8000
7500
7000
6500
6000
5500
5000
4500

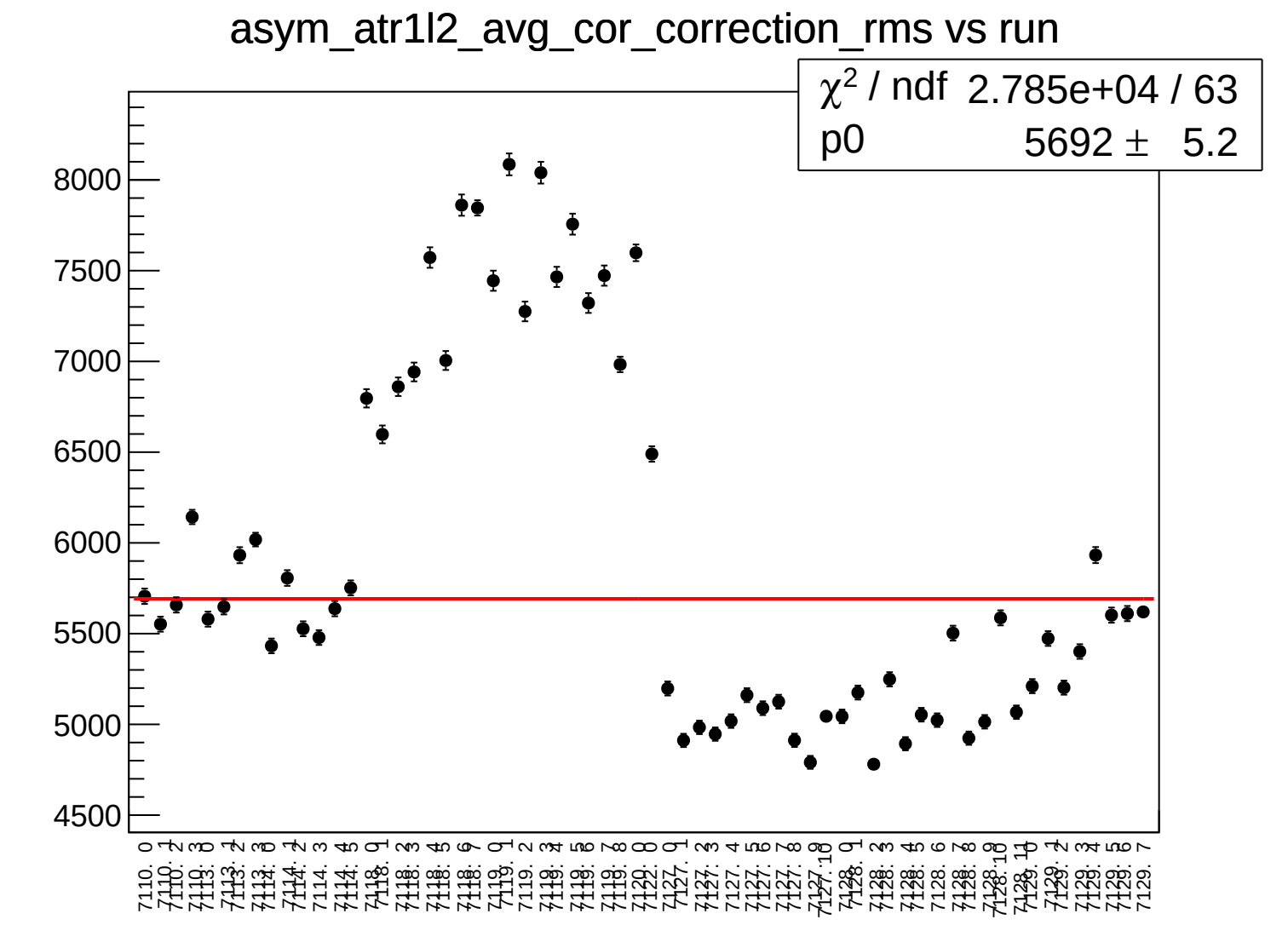

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 58.83 / 63
p0 5934 ± 2402
pull
Entries 64
Mean −196.8
Std Dev 0

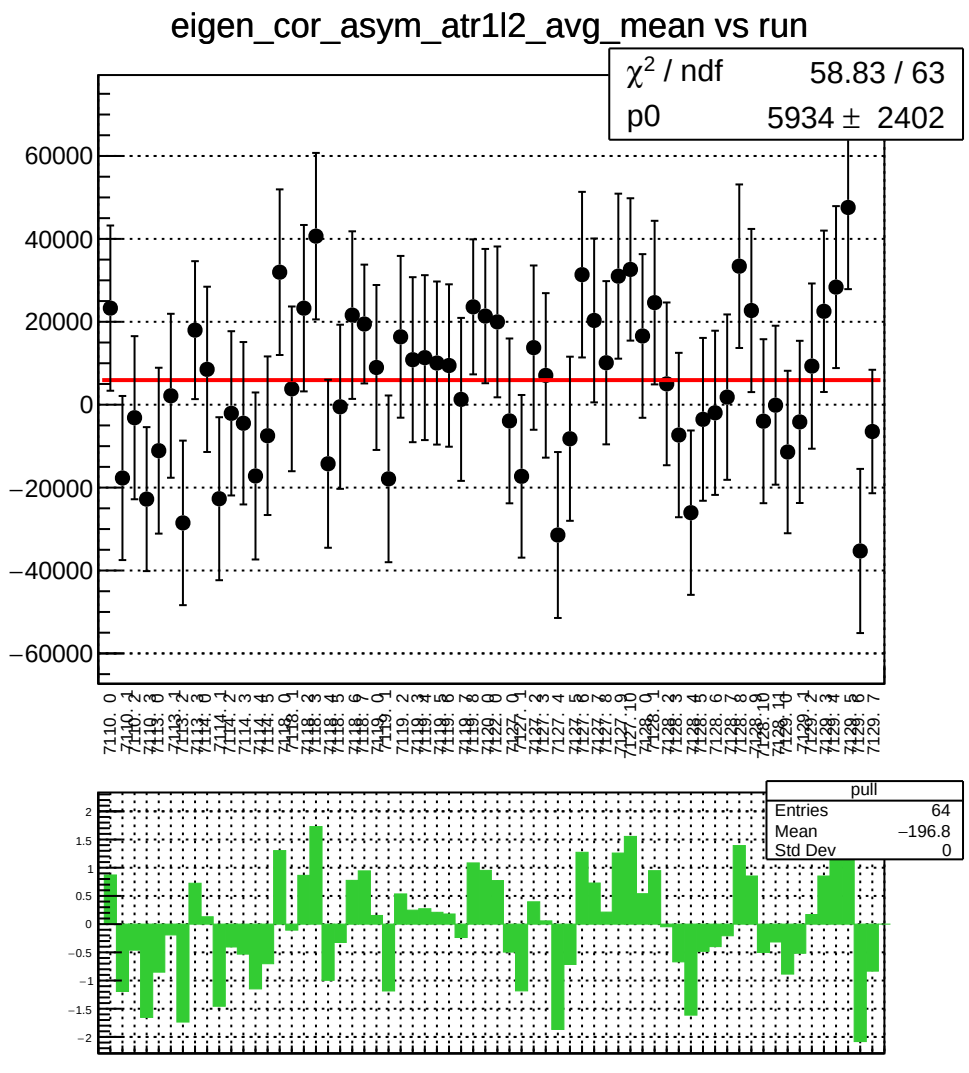

pull1D
Entries 64
Mean −0.01146
Std Dev 0.9587

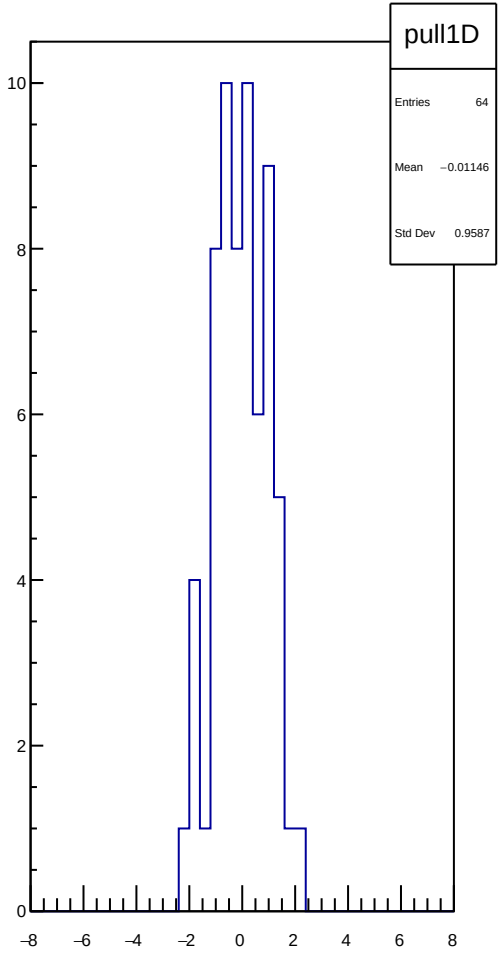

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 124.3 / 63
p0 1881 ± 1.698
1980
1960
1940
1920
1900
1880
1860
1840
1820

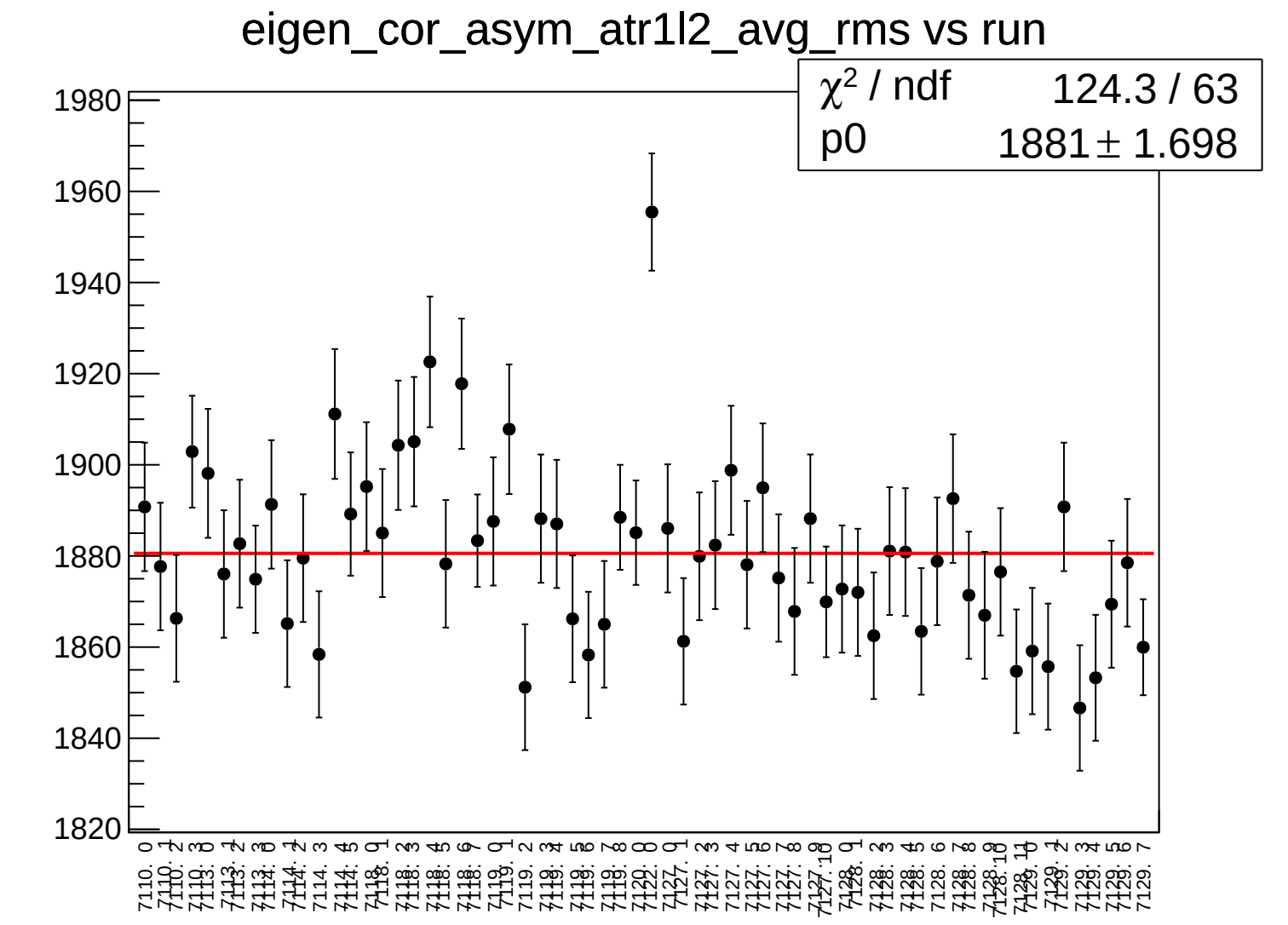

asym_atr1l2_avg_cor_correction_mean vs run
χ² / ndf 54.84 / 63
p0 −4326 ± 7354
pull
Entries 64
Mean 142.6
Std Dev 0

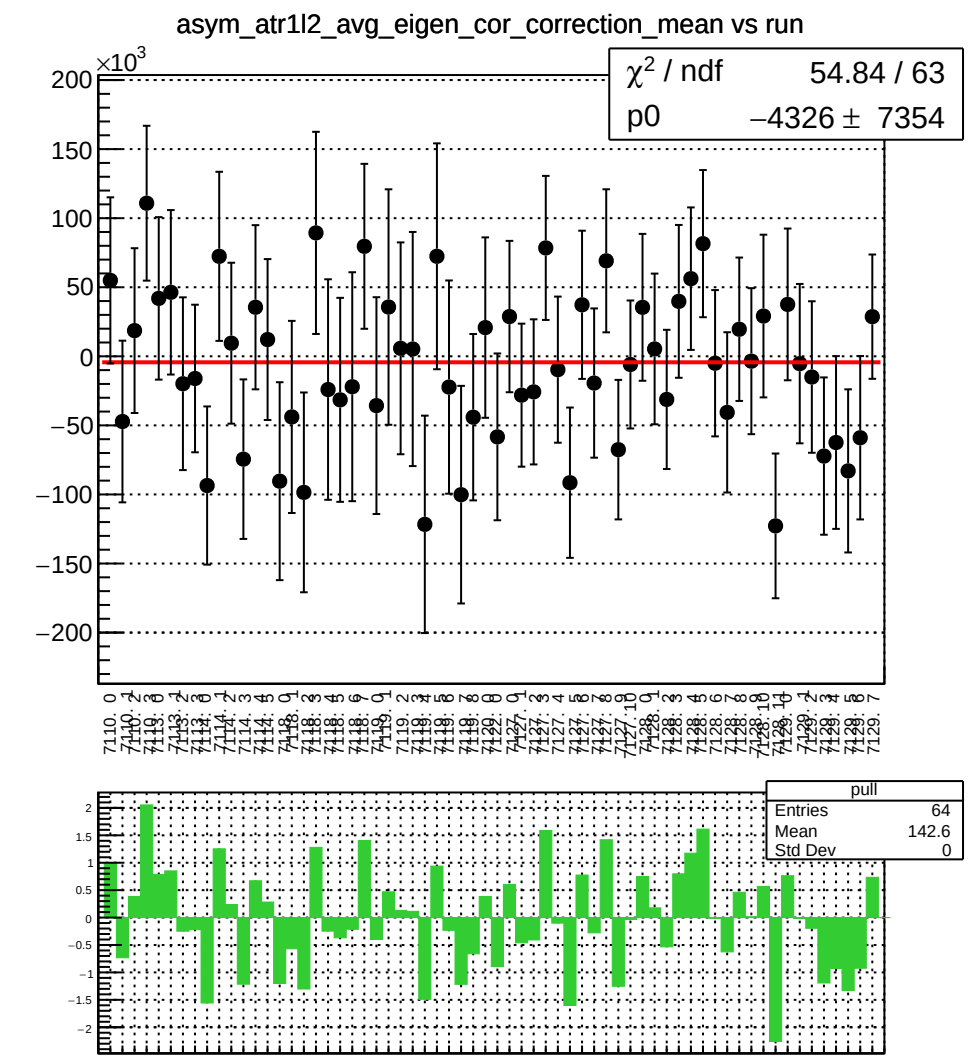

pull1D
Entries 64
Mean −0.01961
Std Dev 0.9255

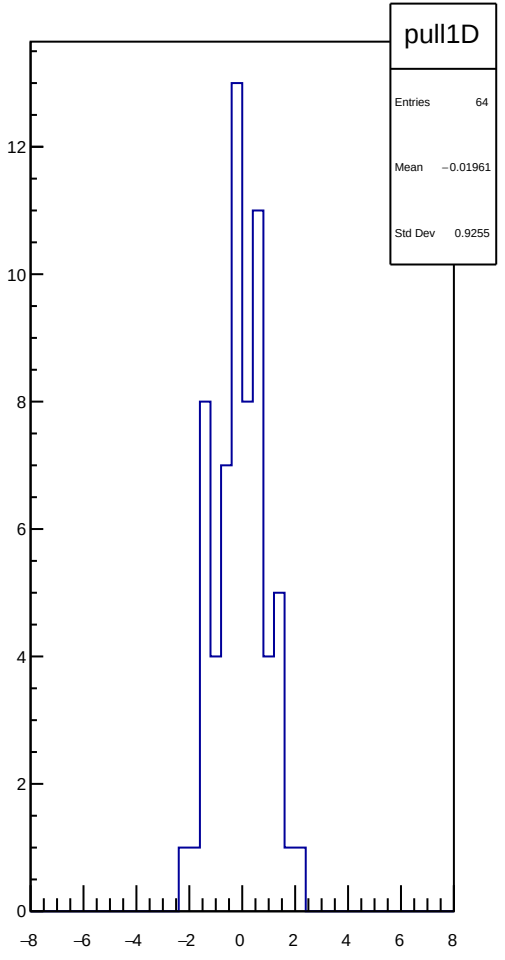

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 2.785e+04 / 63
p0 5692 ± 5.2
8000
7500
7000
6500
6000
5500
5000
4500

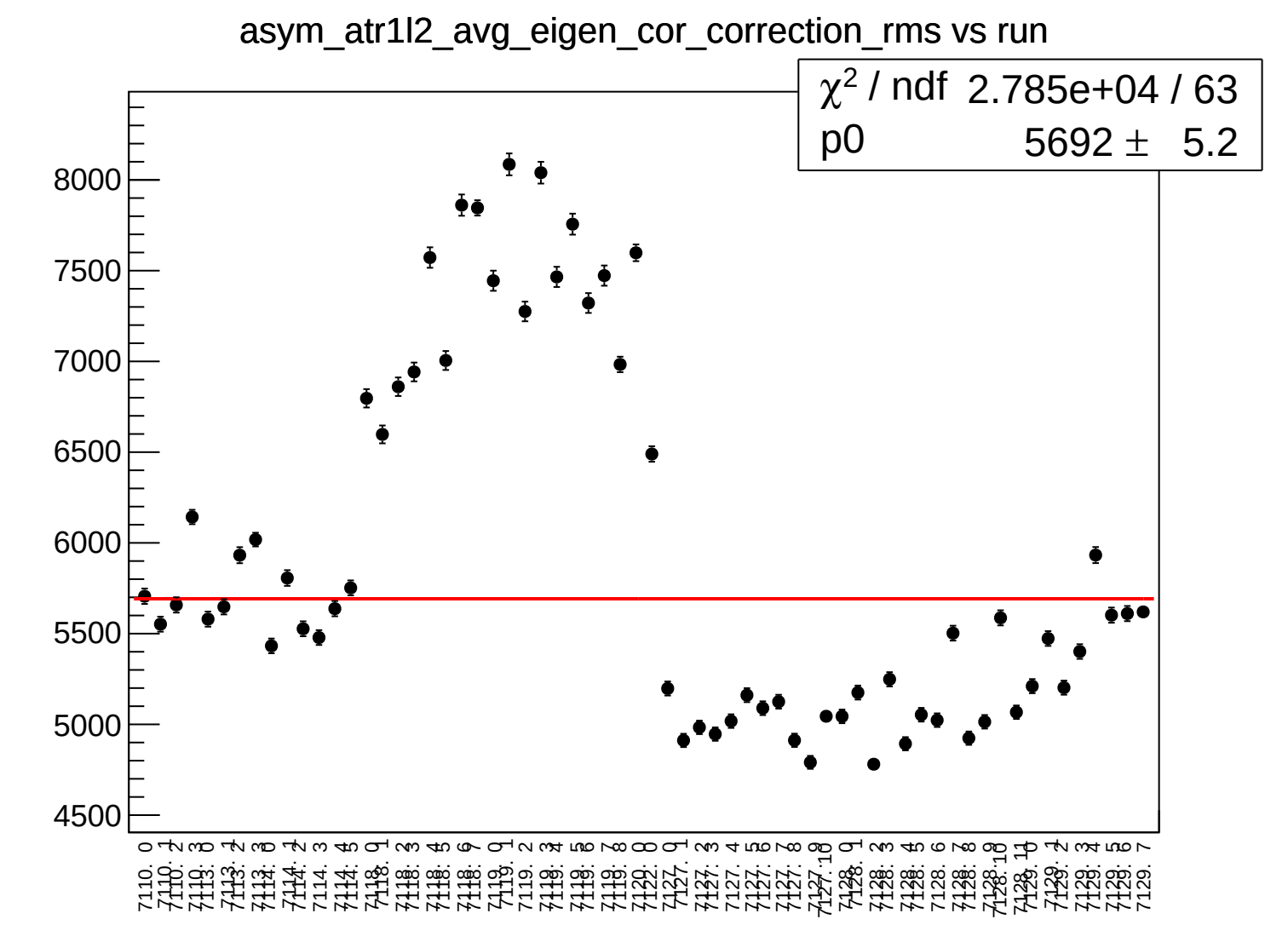

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 58.83 / 63
p0 5934 ± 2402
pull
Entries 64
Mean −196.8
Std Dev 0

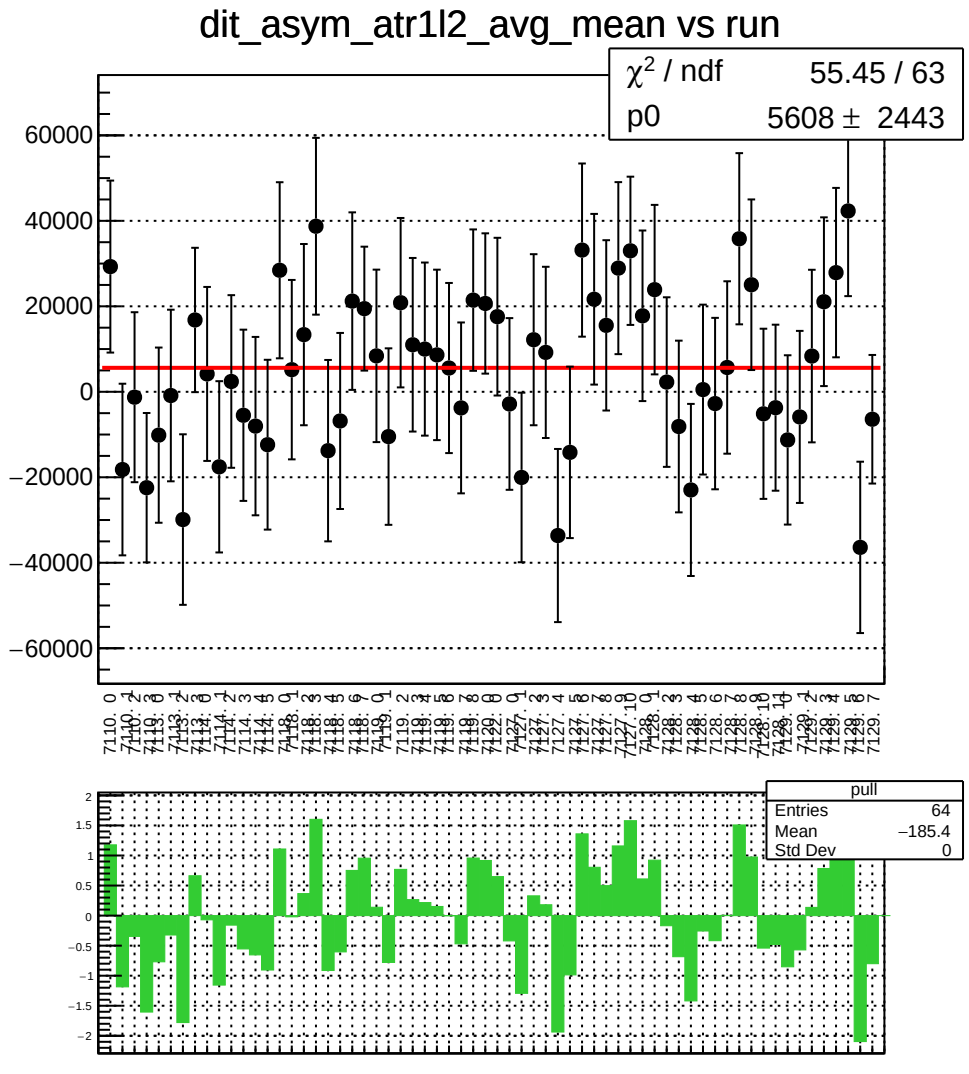

pull1D
Entries 64
Mean −0.01146
Std Dev 0.9587

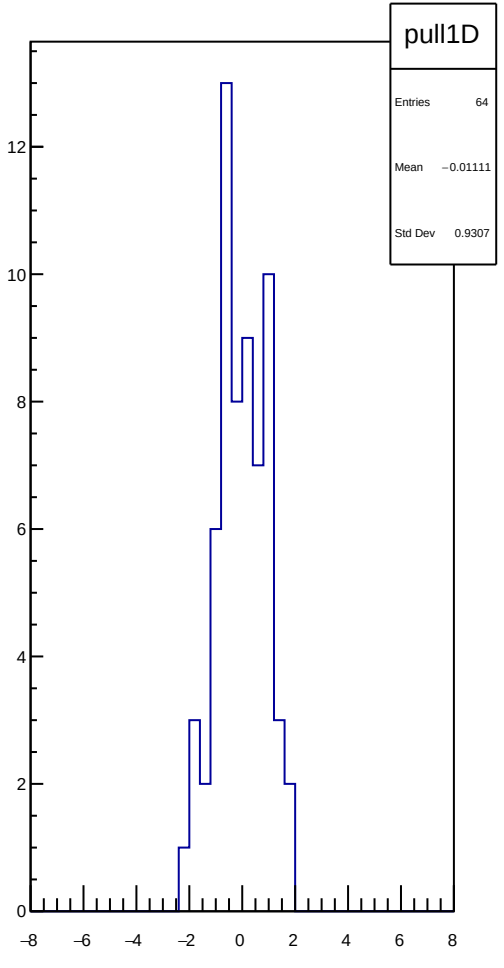

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 124.3 / 63
p0 1881 ± 1.698
1980
1960
1940
1920
1900
1880
1860
1840
1820

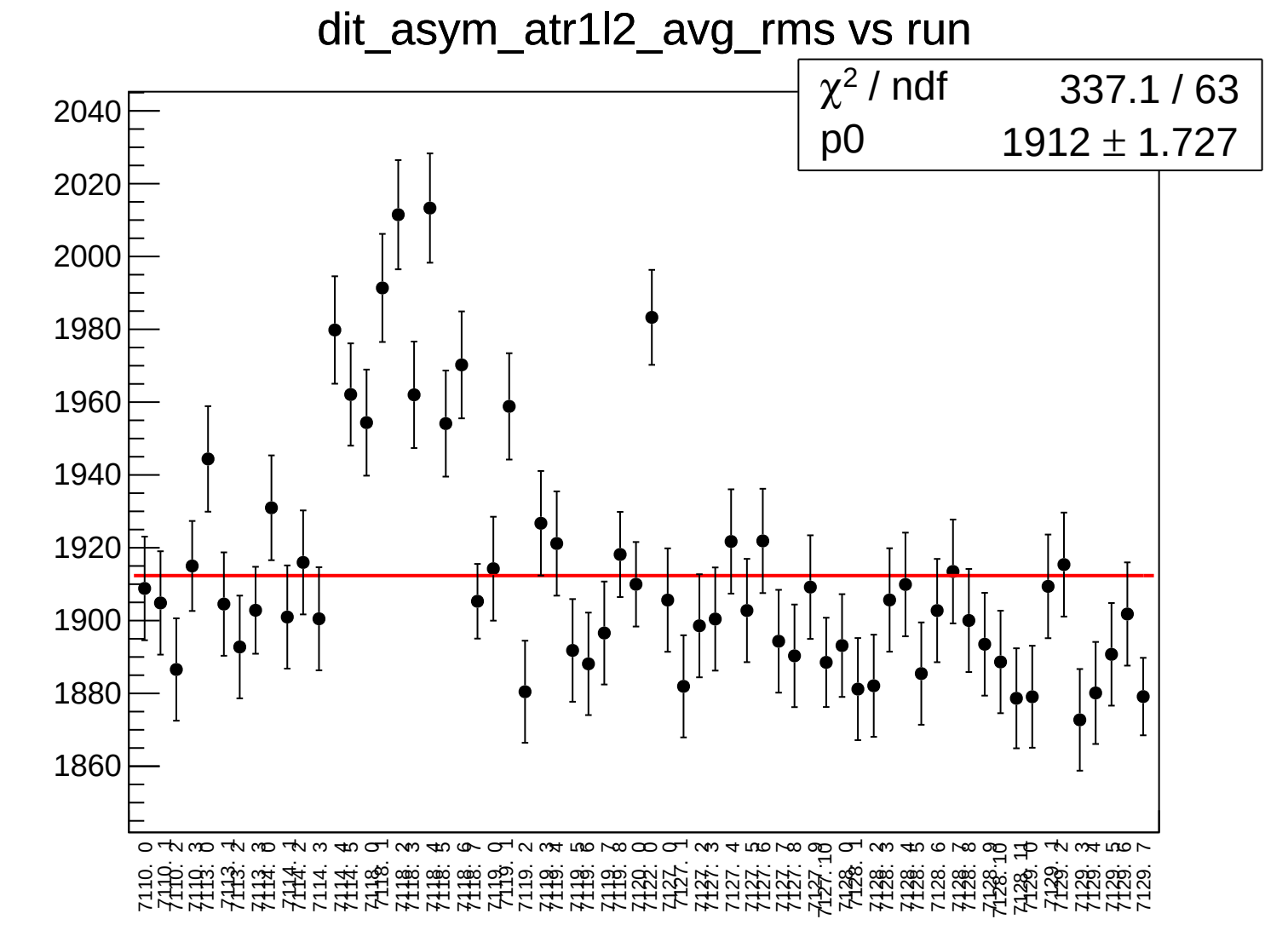

asym_atr1l2_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.84 / 63
p0 −4326 ± 7354
pull
Entries 64
Mean 142.6
Std Dev 0

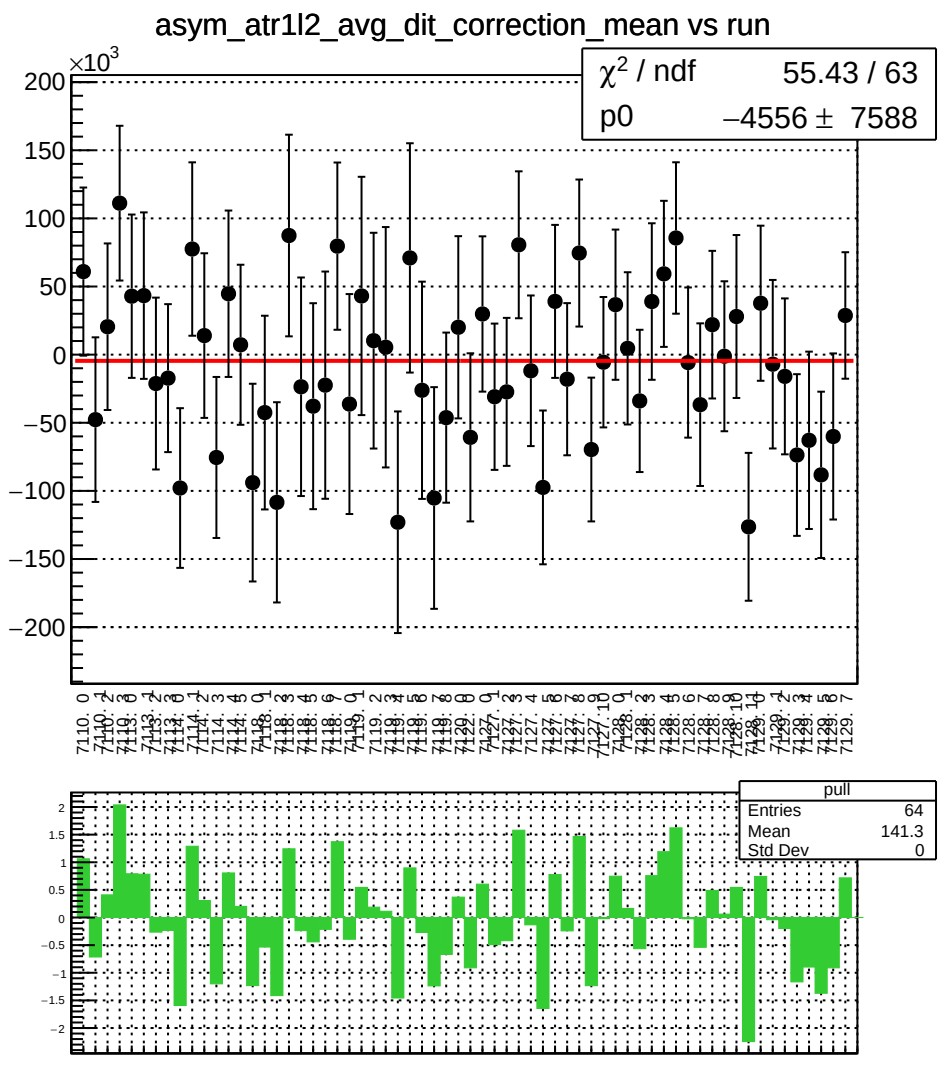

pull1D
Entries 64
Mean −0.01961
Std Dev 0.9255

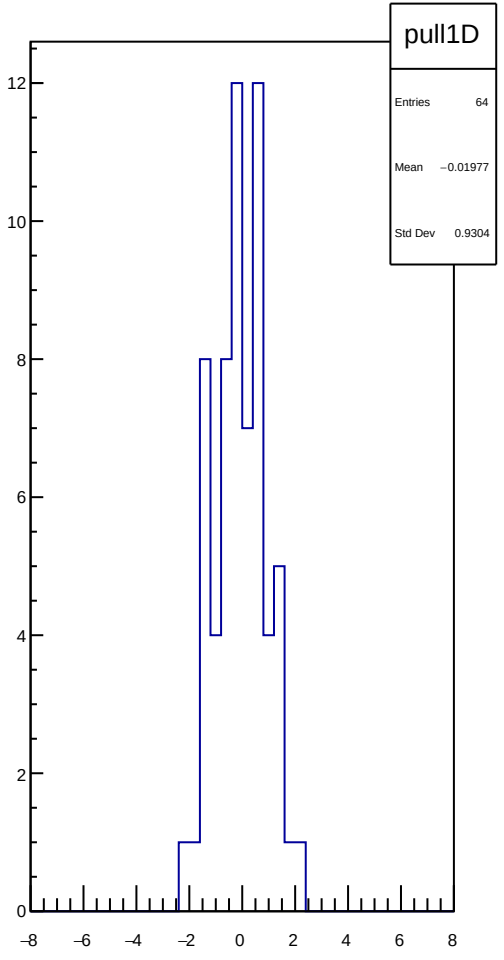

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.785e+04 / 63
p0 5692 ± 5.2
8000
7500
7000
6500
6000
5500
5000
4500

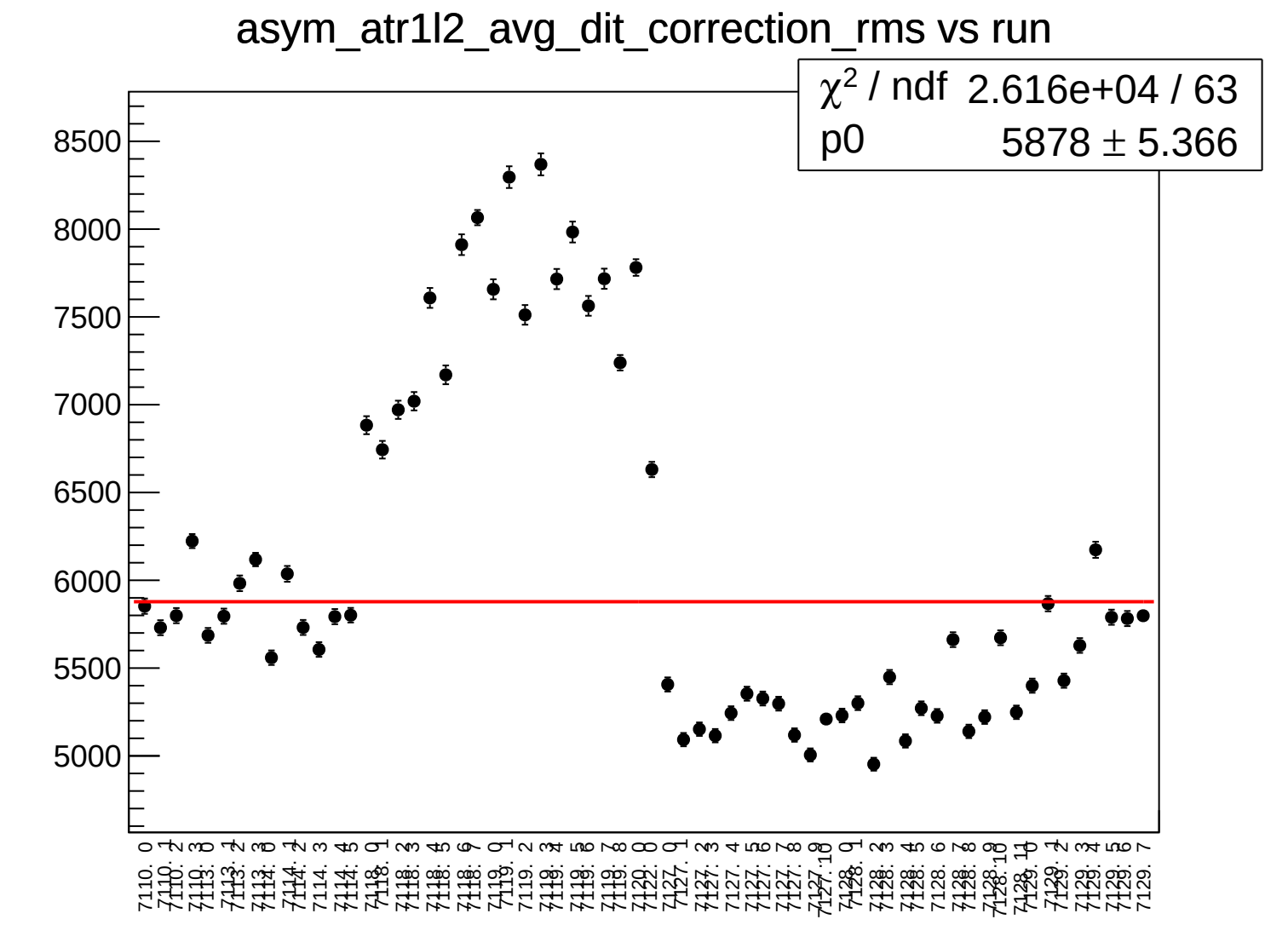

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 55.45 / 63
p0 5608 ± 2443
pull
Entries 64
Mean −185.4
Std Dev 0

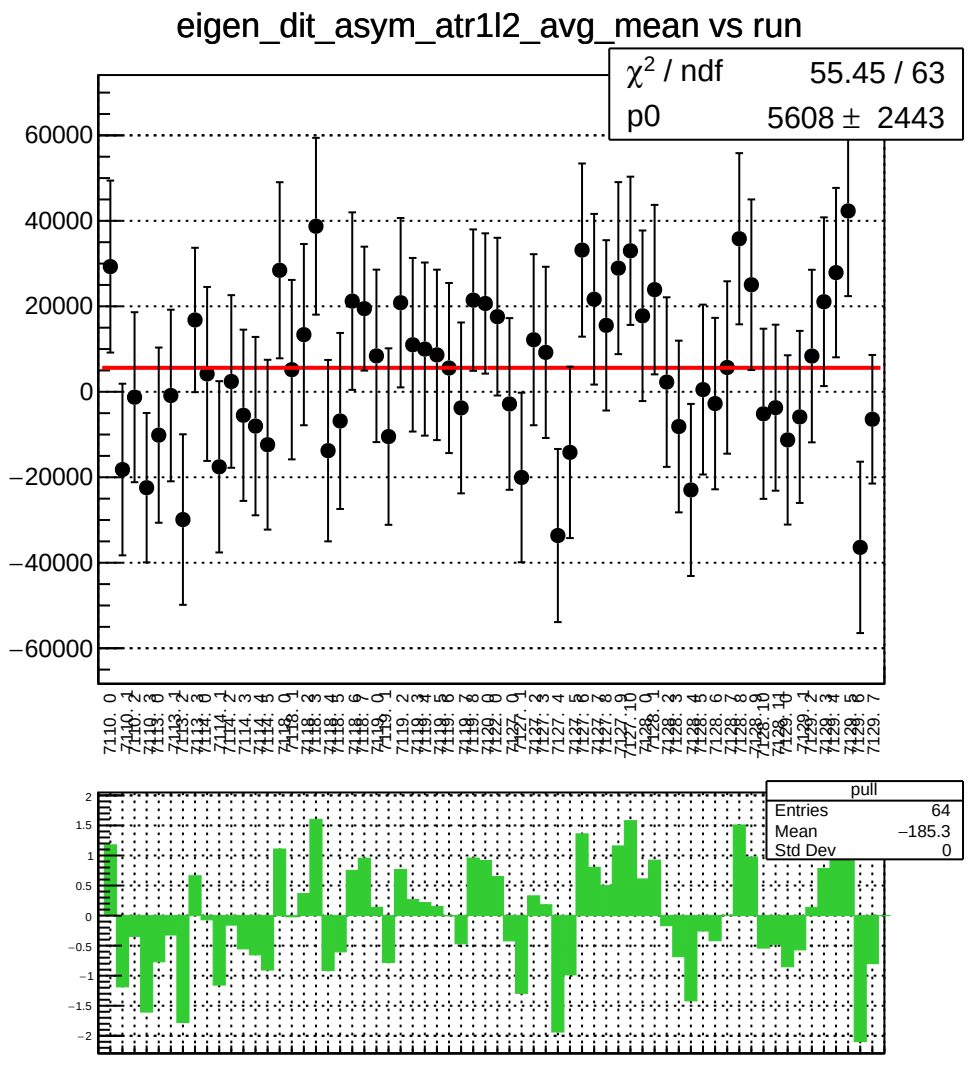

pull1D
Entries 64
Mean −0.01111
Std Dev 0.9307

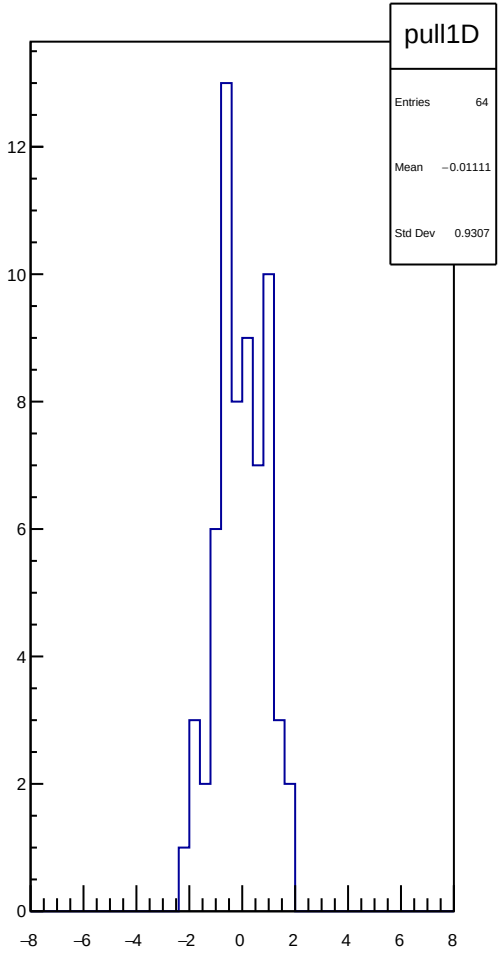

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 337.1 / 63
p0 1912 ± 1.727
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860

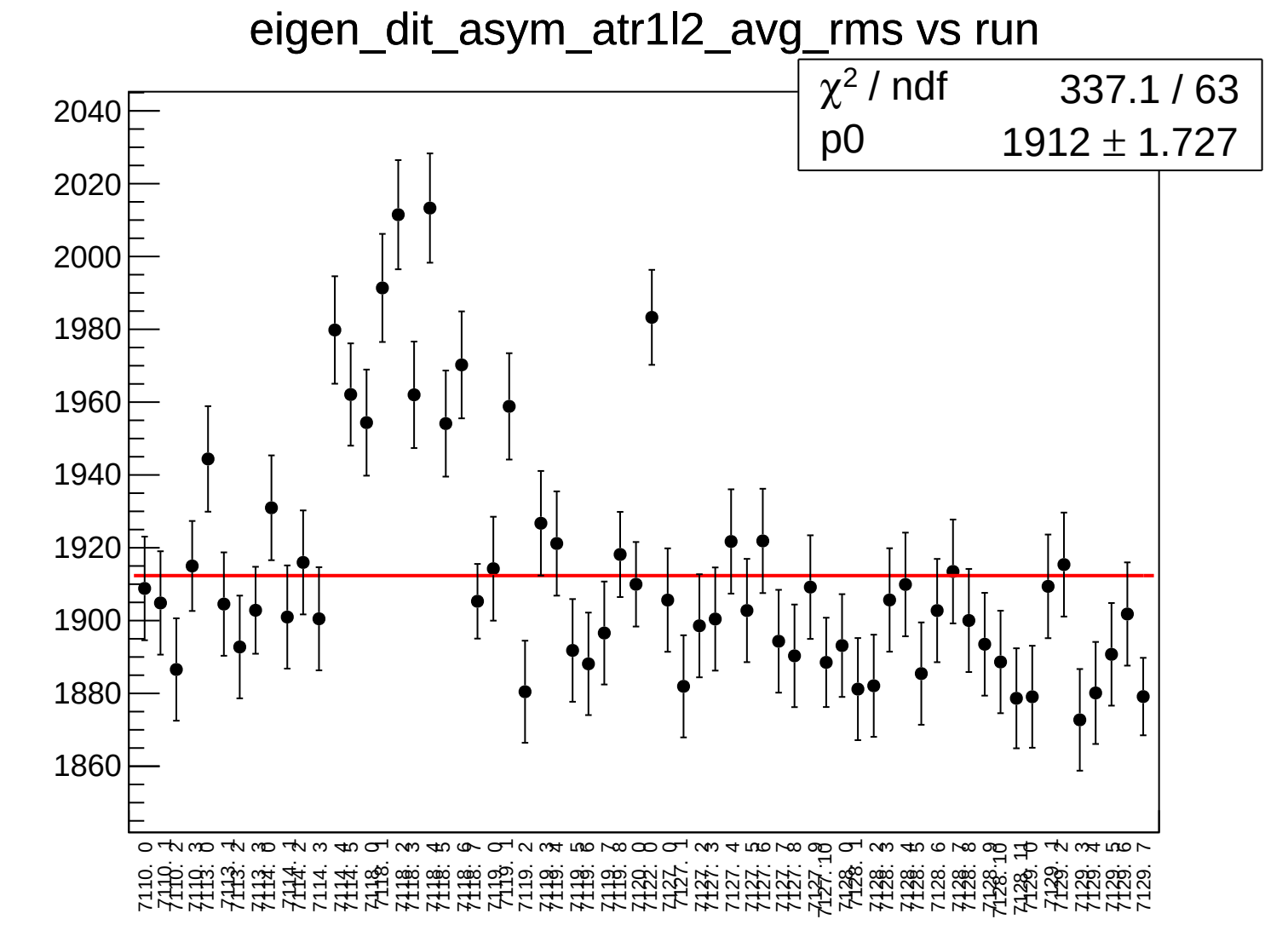

asym_atr1l2_avg_dit_correction_mean vs run
χ² / ndf 55.43 / 63
p0 −4556 ± 7588
×10³
pull
Entries 64
Mean 141.3
Std Dev 0

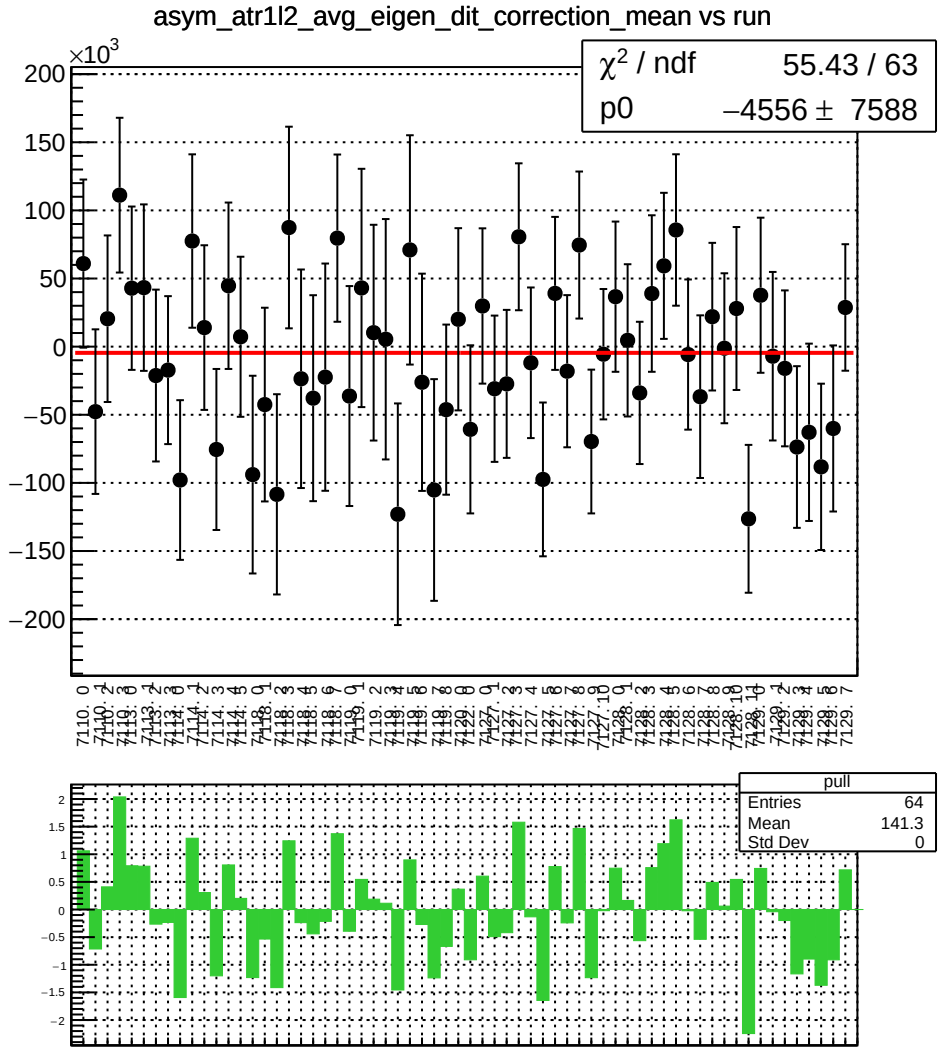

pull1D
Entries 64
Mean −0.01977
Std Dev 0.9304

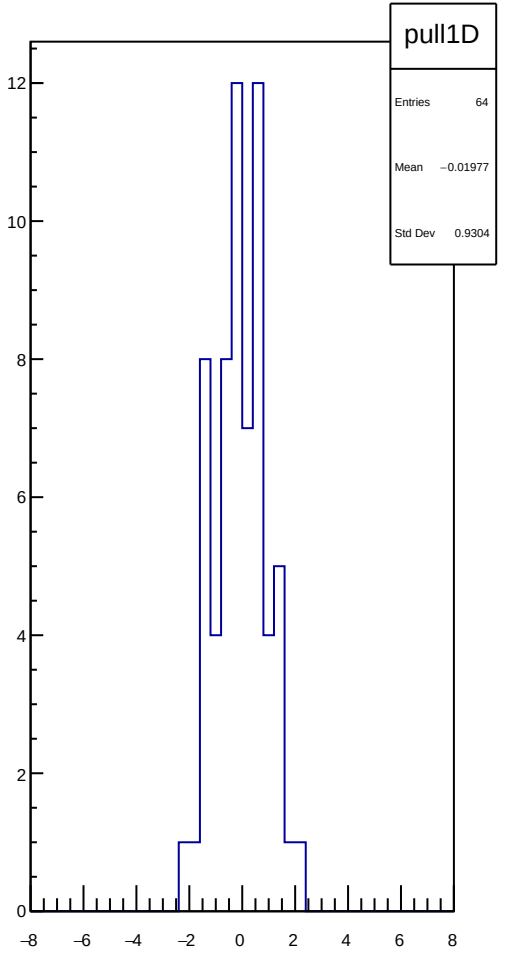

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 2.616e+04 / 63
p0 5878 ± 5.366
8500
8000
7500
7000
6500
6000
5500
5000

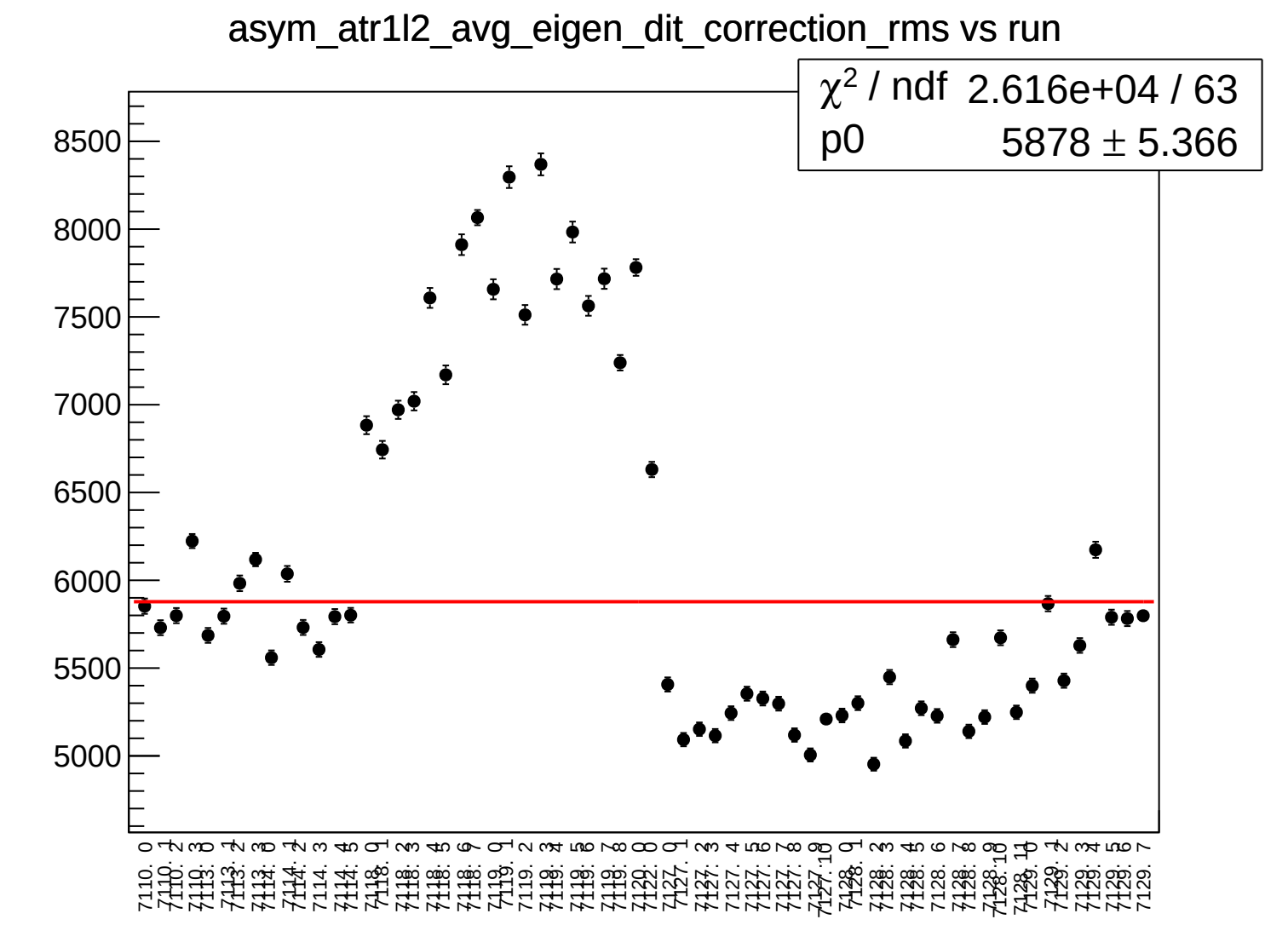

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 55.45 / 63
p0 5608 ± 2443
pull
Entries 64
Mean −185.3
Std Dev 0

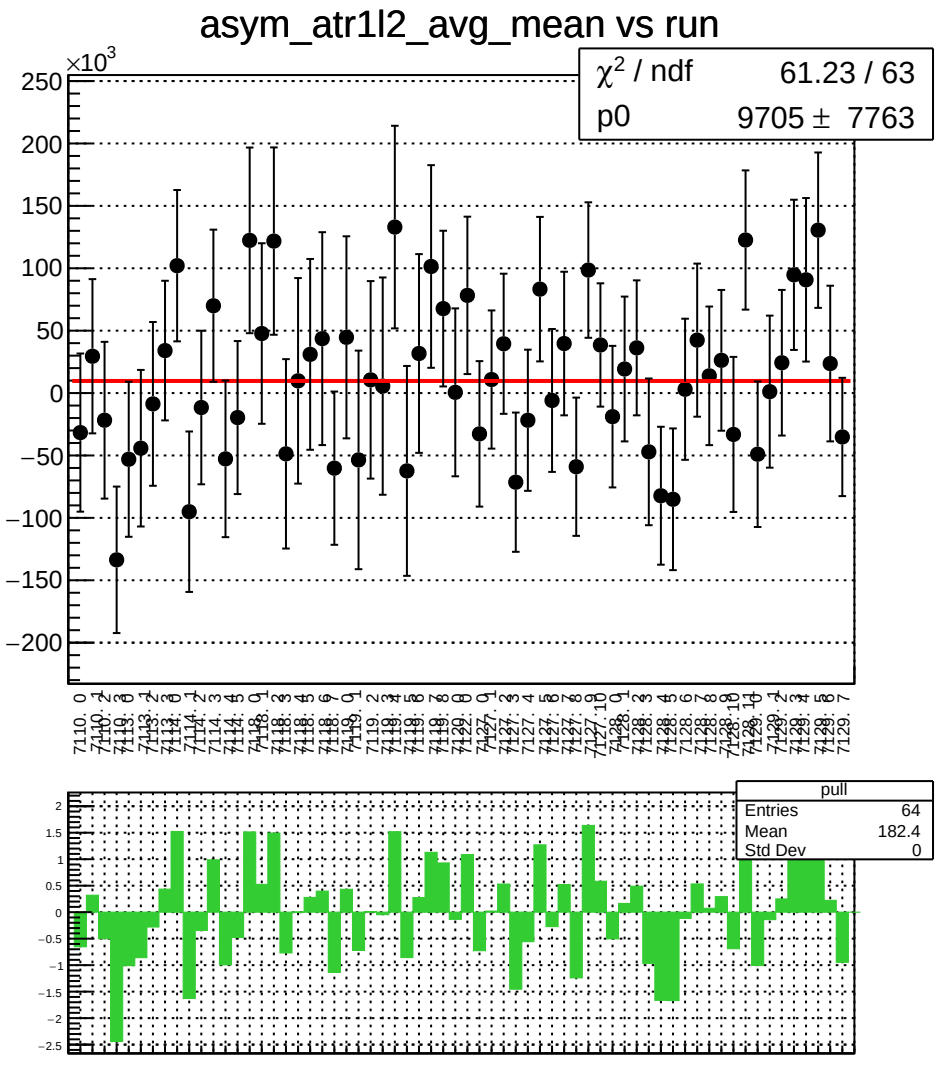

pull1D
Entries 64
Mean −0.01111
Std Dev 0.9307

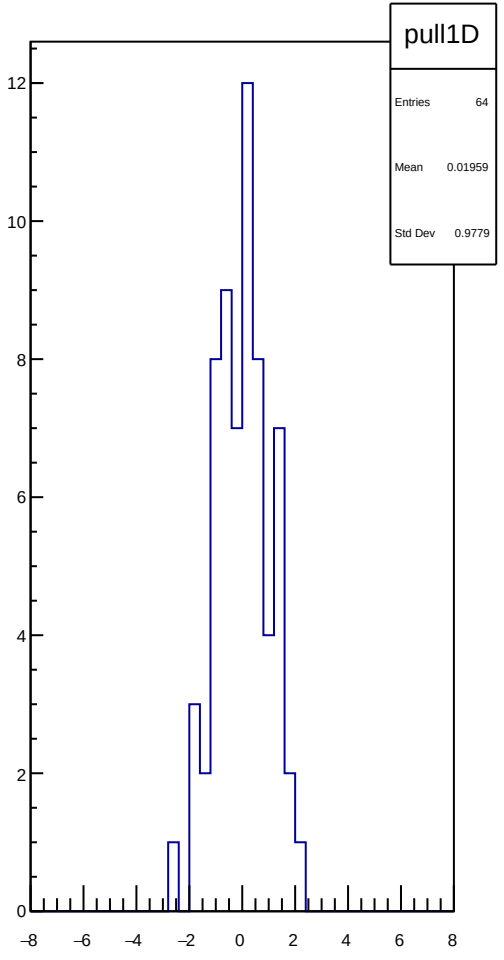

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 337.1 / 63
p0 1912 ± 1.727
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860

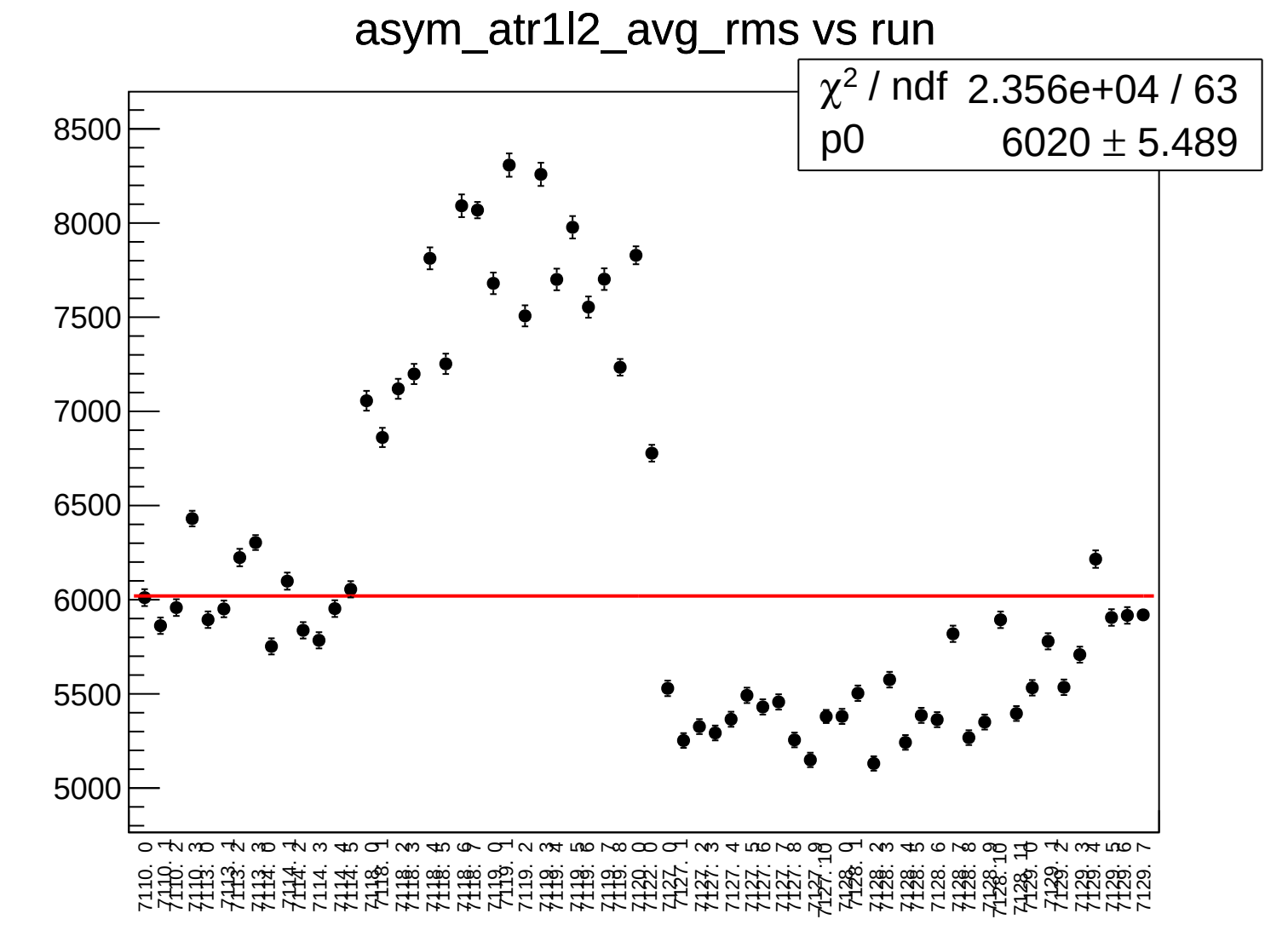

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.43 / 63
p0 −4556 ± 7588
pull
Entries 64
Mean 141.3
Std Dev 0

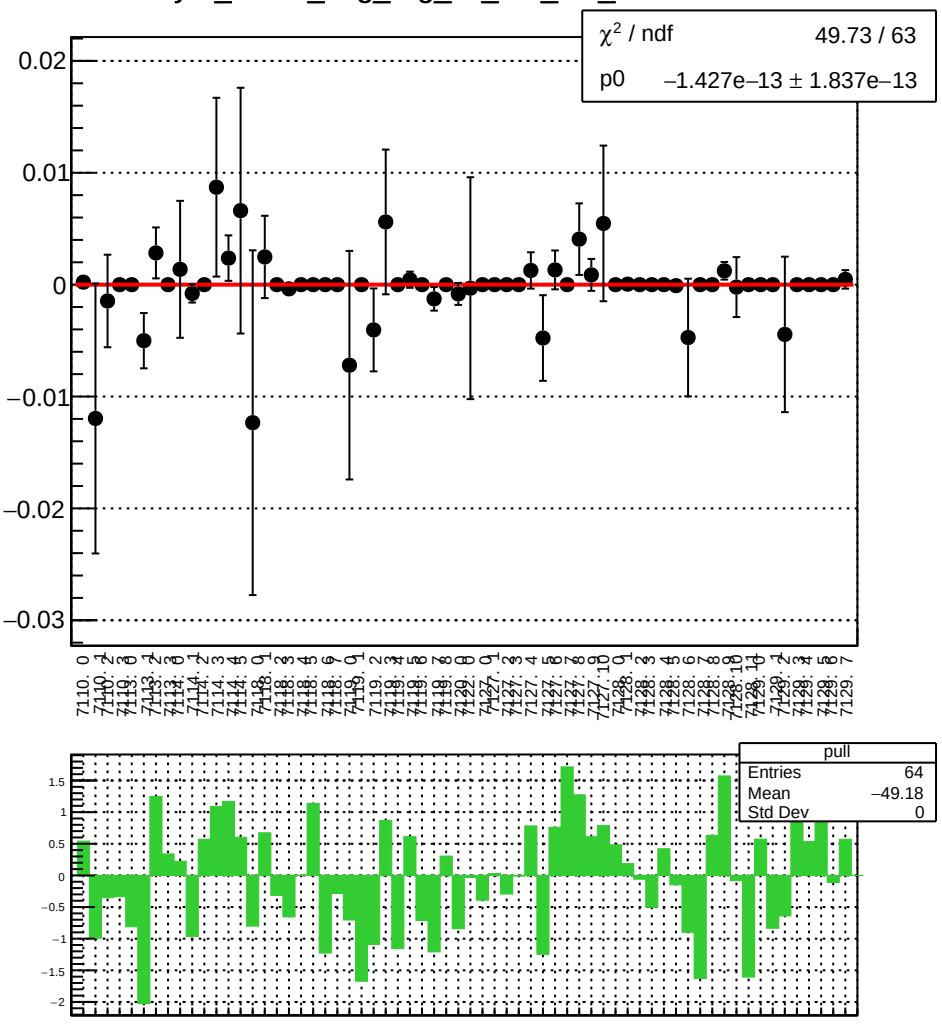

pull1D
Entries 64
Mean −0.01977
Std Dev 0.9304

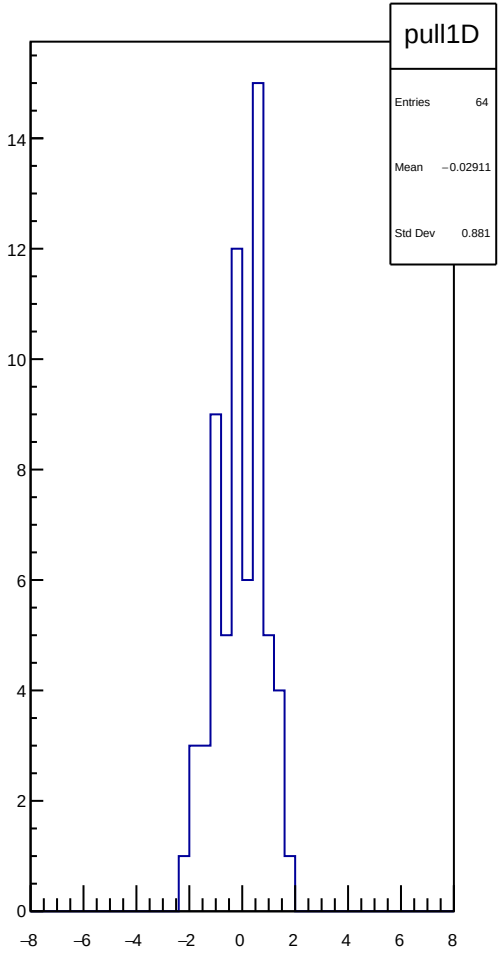

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.616e+04 / 63
p0 5878 ± 5.366
8500
8000
7500
7000
6500
6000
5500
5000

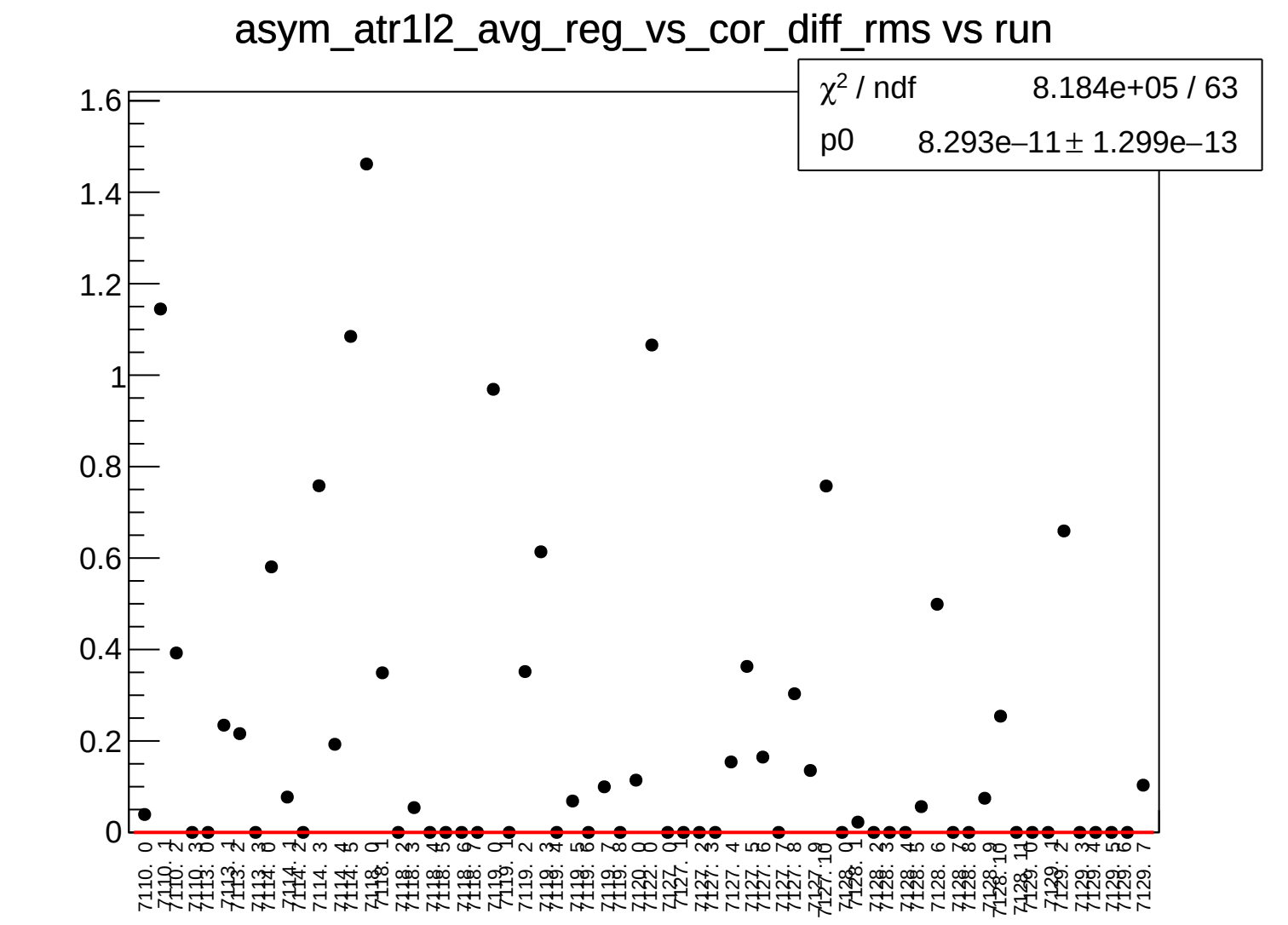

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 61.23 / 63
p0 9705 ± 7763
pull
Entries 64
Mean 182.4
Std Dev 0

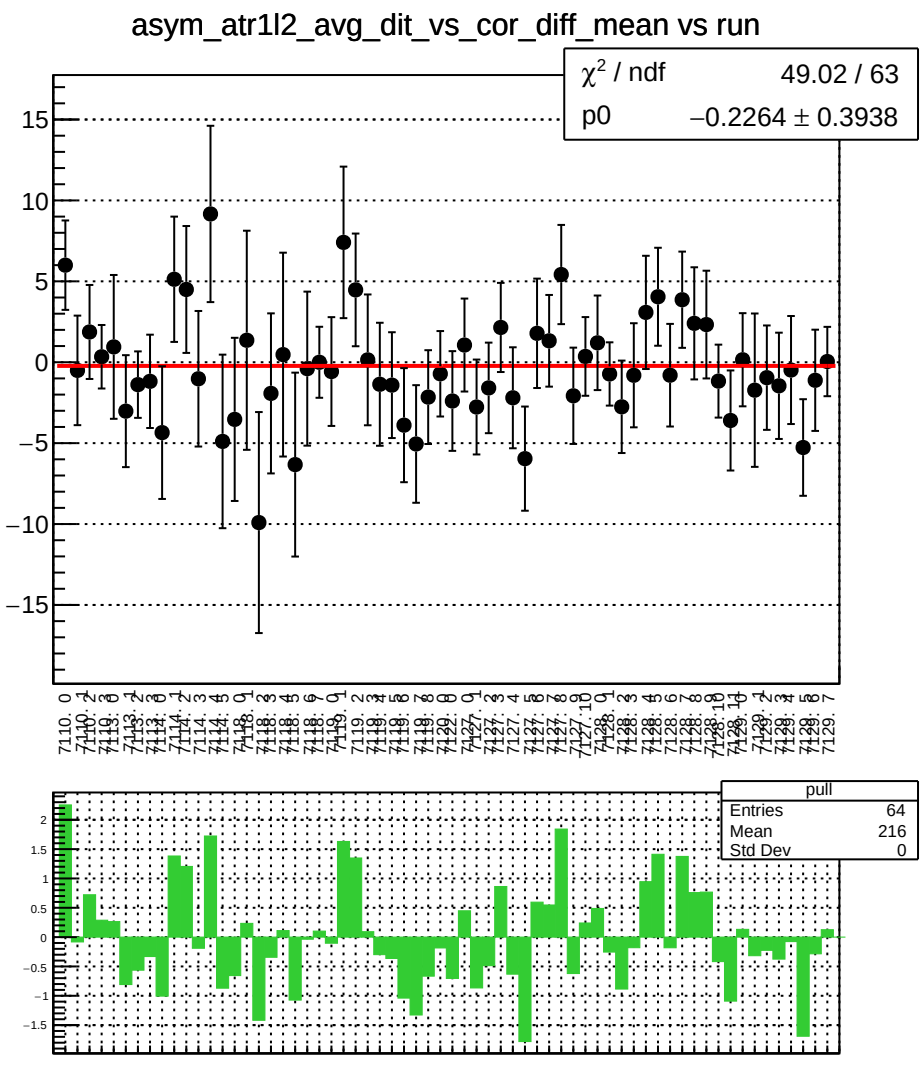

pull1D
Entries 64
Mean 0.01959
Std Dev 0.9779

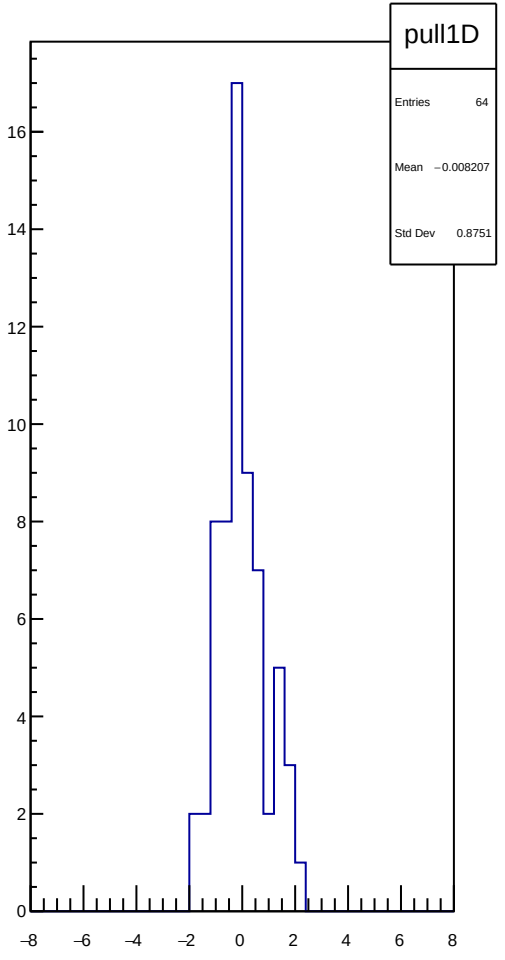

asym_atr1l2_avg_rms vs run
χ² / ndf 2.356e+04 / 63
p0 6020 ± 5.489
8500
8000
7500
7000
6500
6000
5500
5000

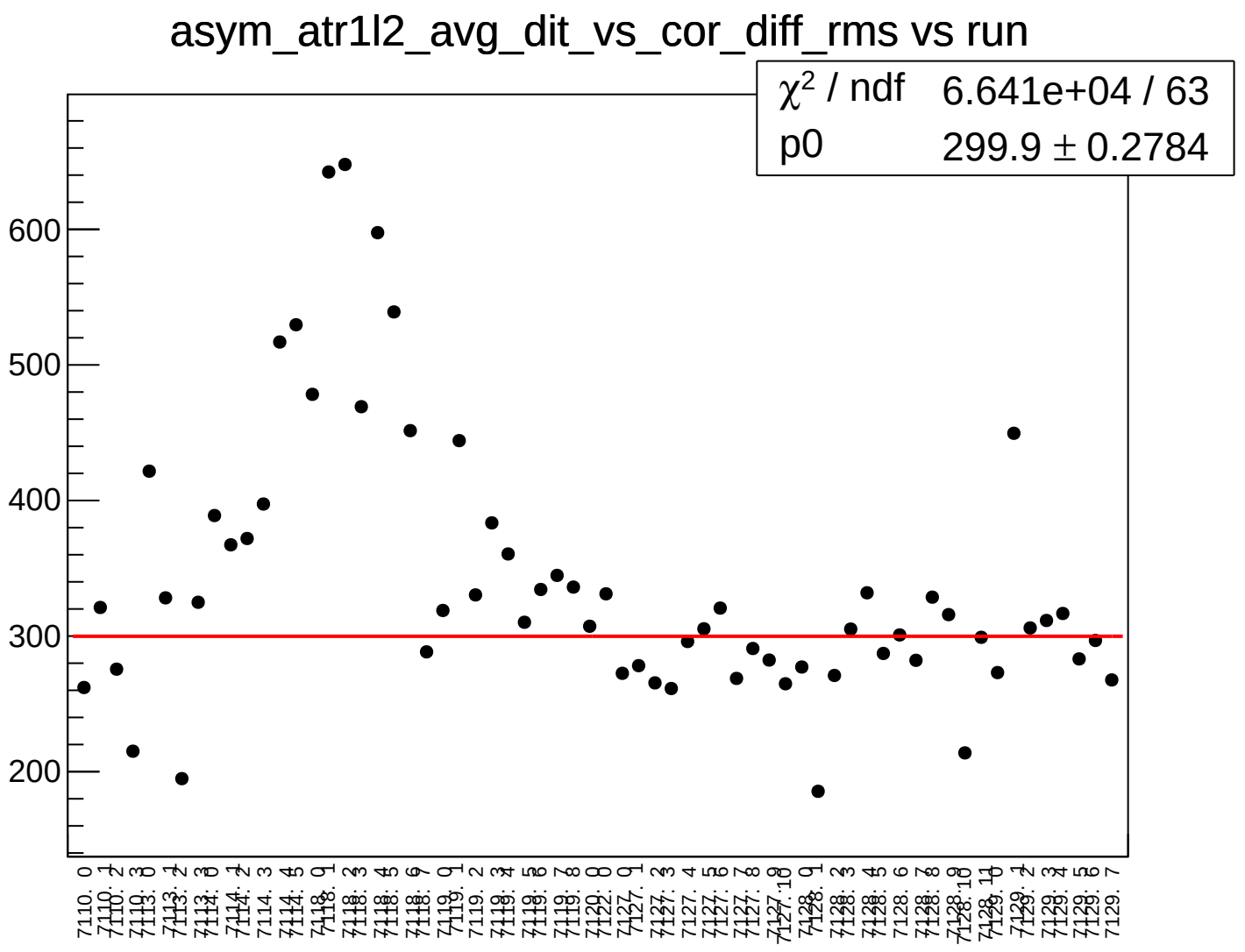

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.73 / 63
p0 −1.427e−13 ± 1.837e−13
pull
Entries 64
Mean −49.18
Std Dev 0

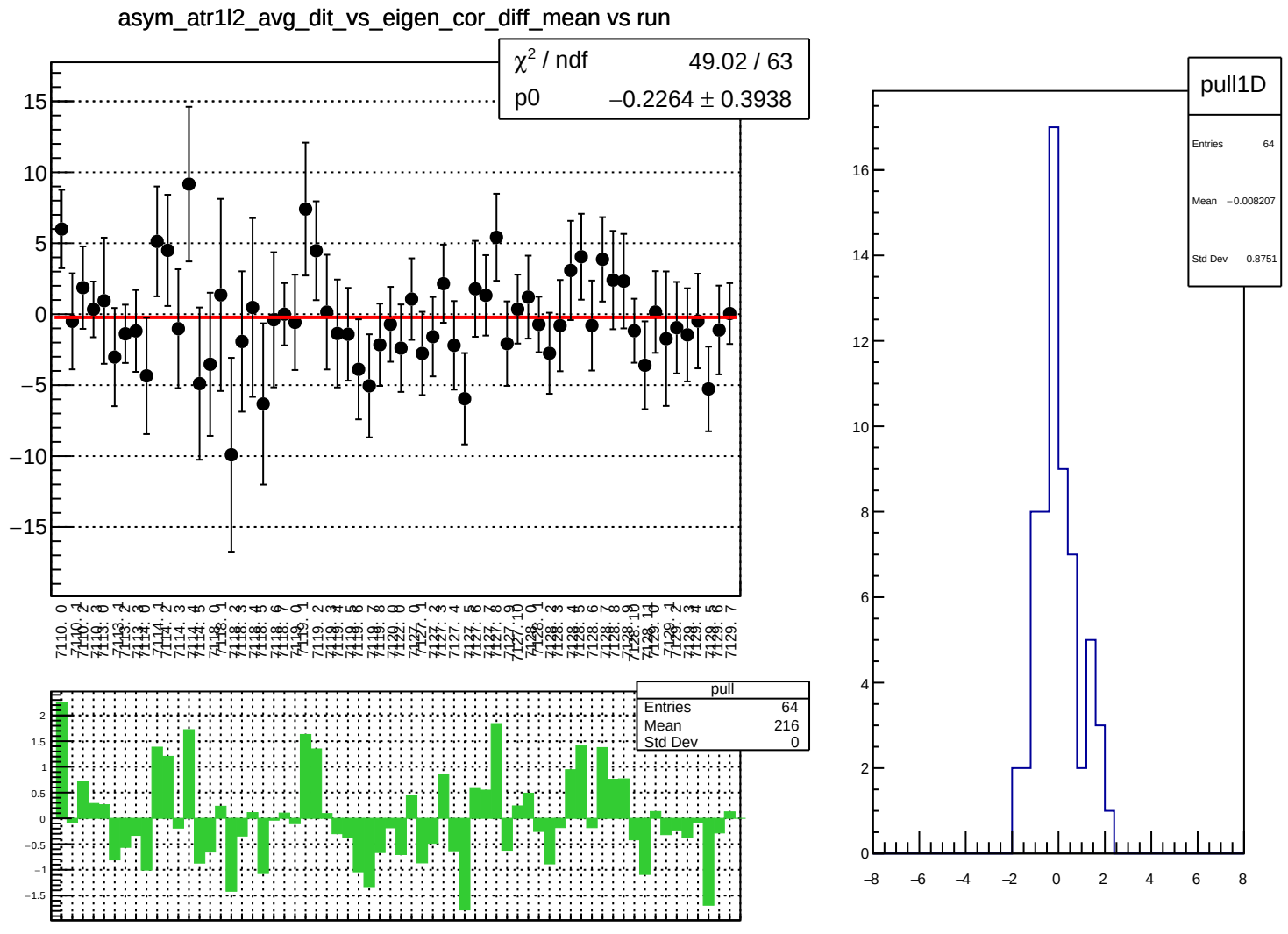

pull1D
Entries 64
Mean −0.02911
Std Dev 0.881

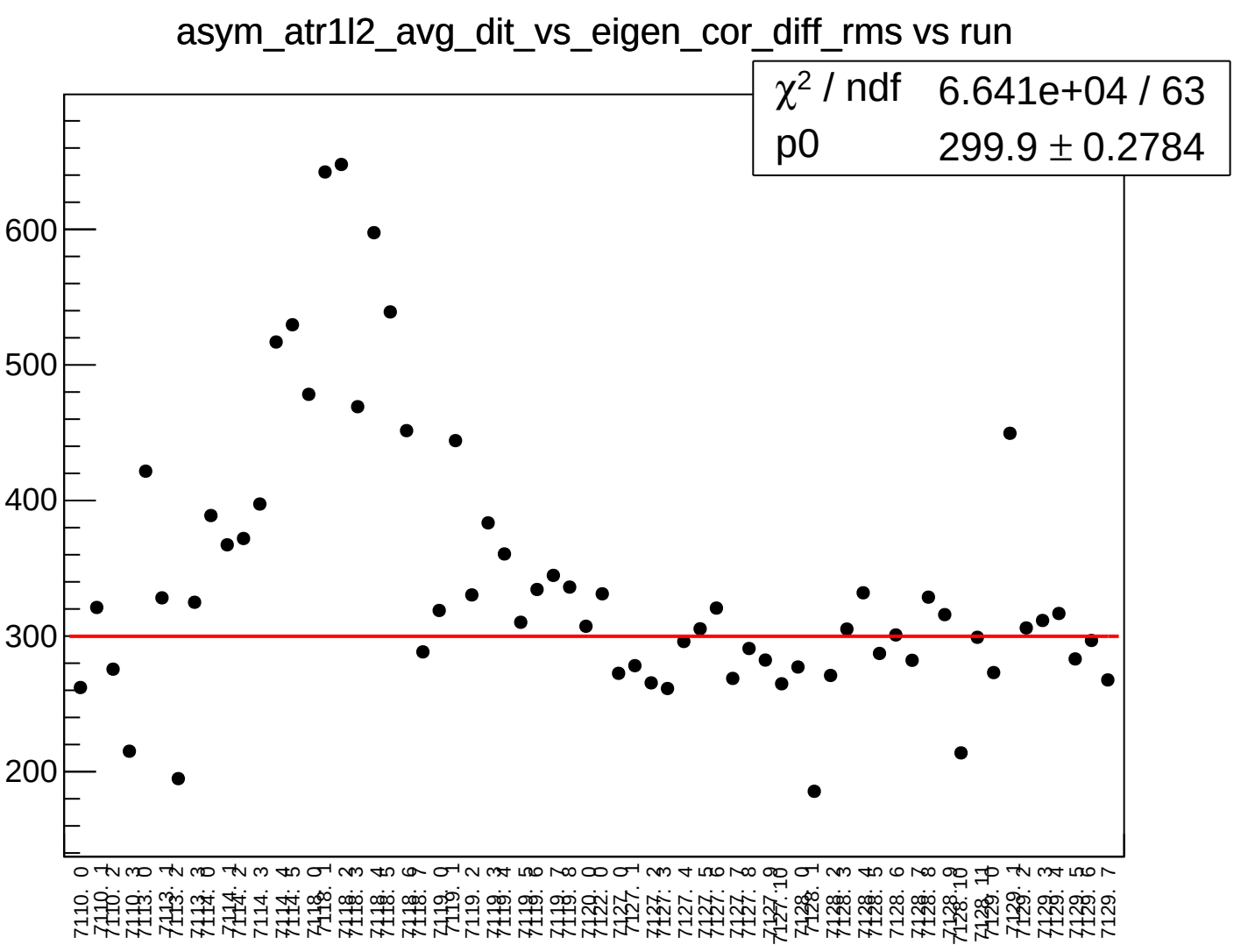

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.184e+05 / 63
p0 8.293e−11 ± 1.299e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

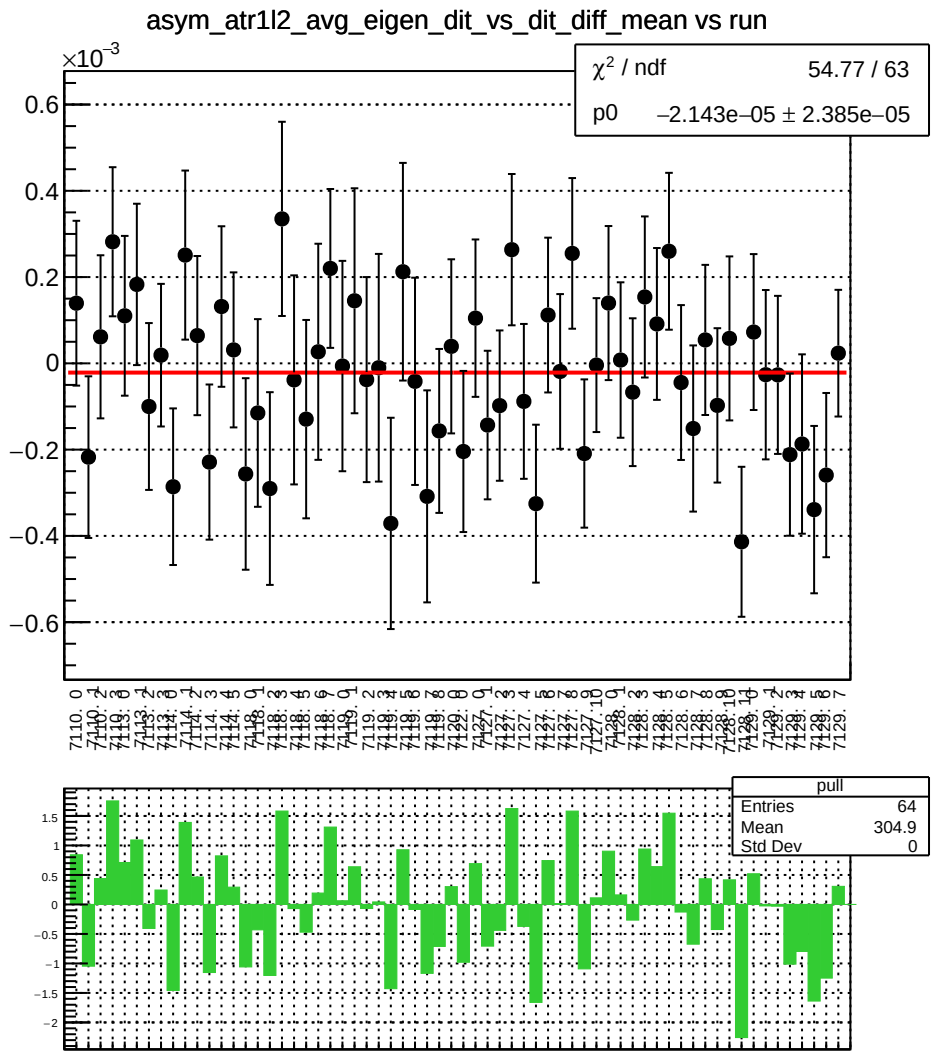

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.02 / 63
p0 −0.2264 ± 0.3938
pull
Entries 64
Mean 216
Std Dev 0

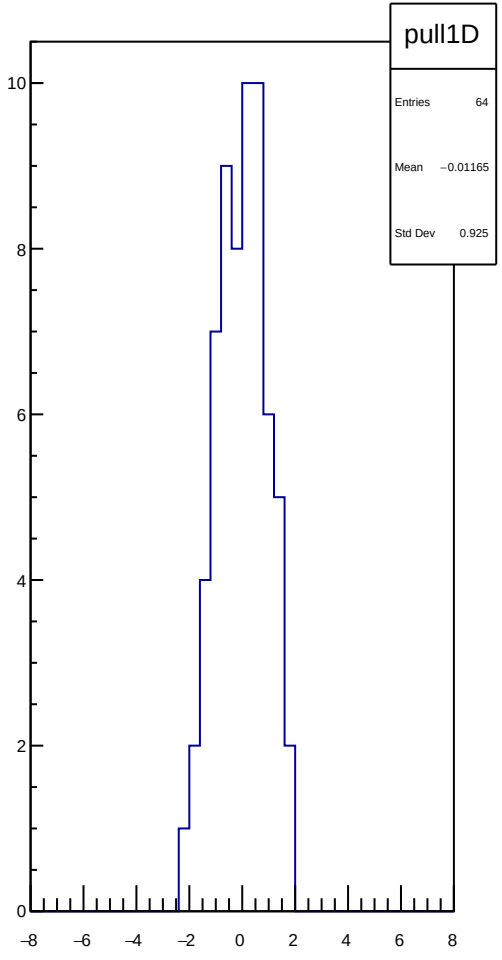

pull1D
Entries 64
Mean −0.008207
Std Dev 0.8751

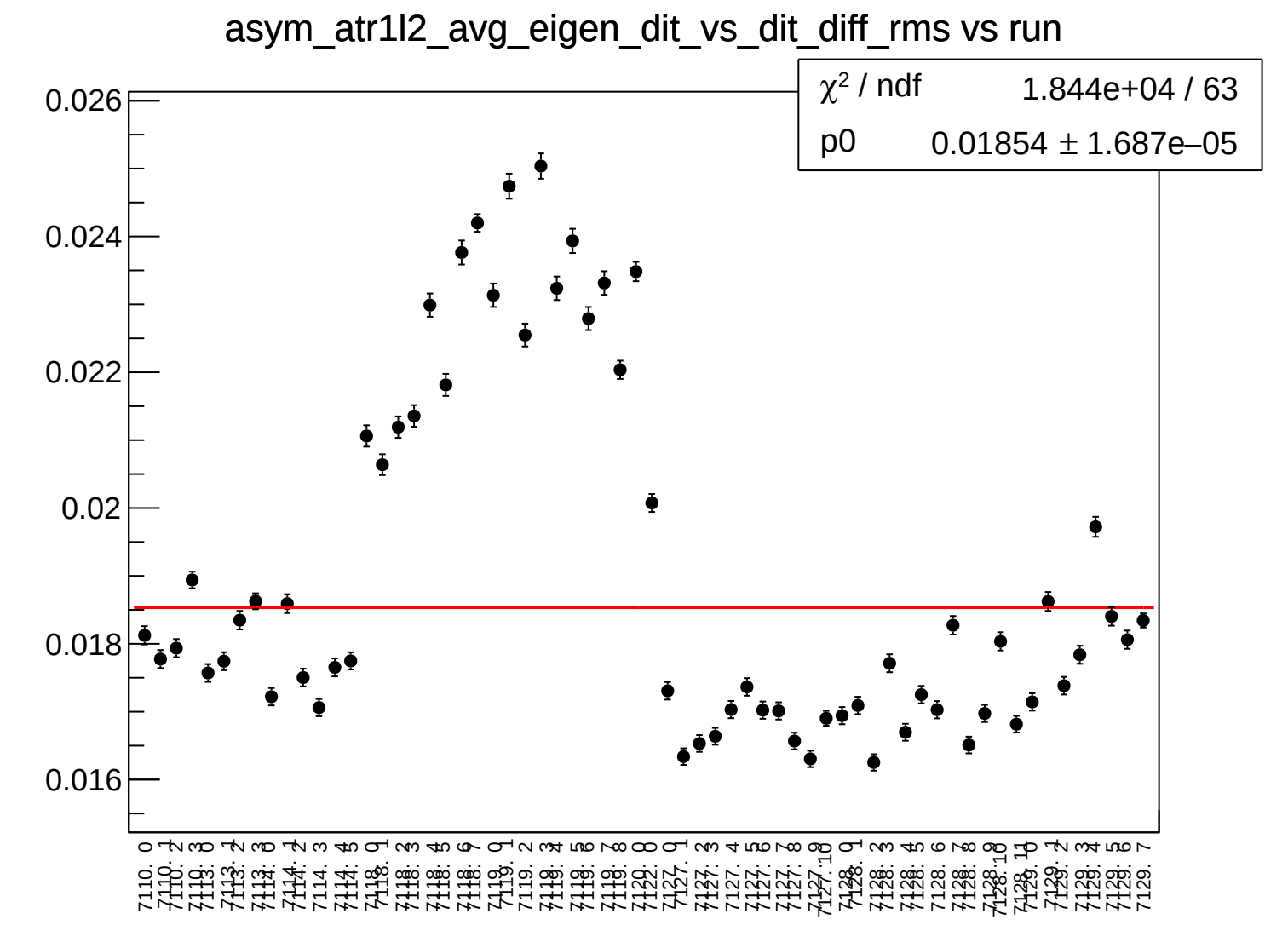

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.641e+04 / 63
p0 299.9 ± 0.2784
600
500
400
300
200

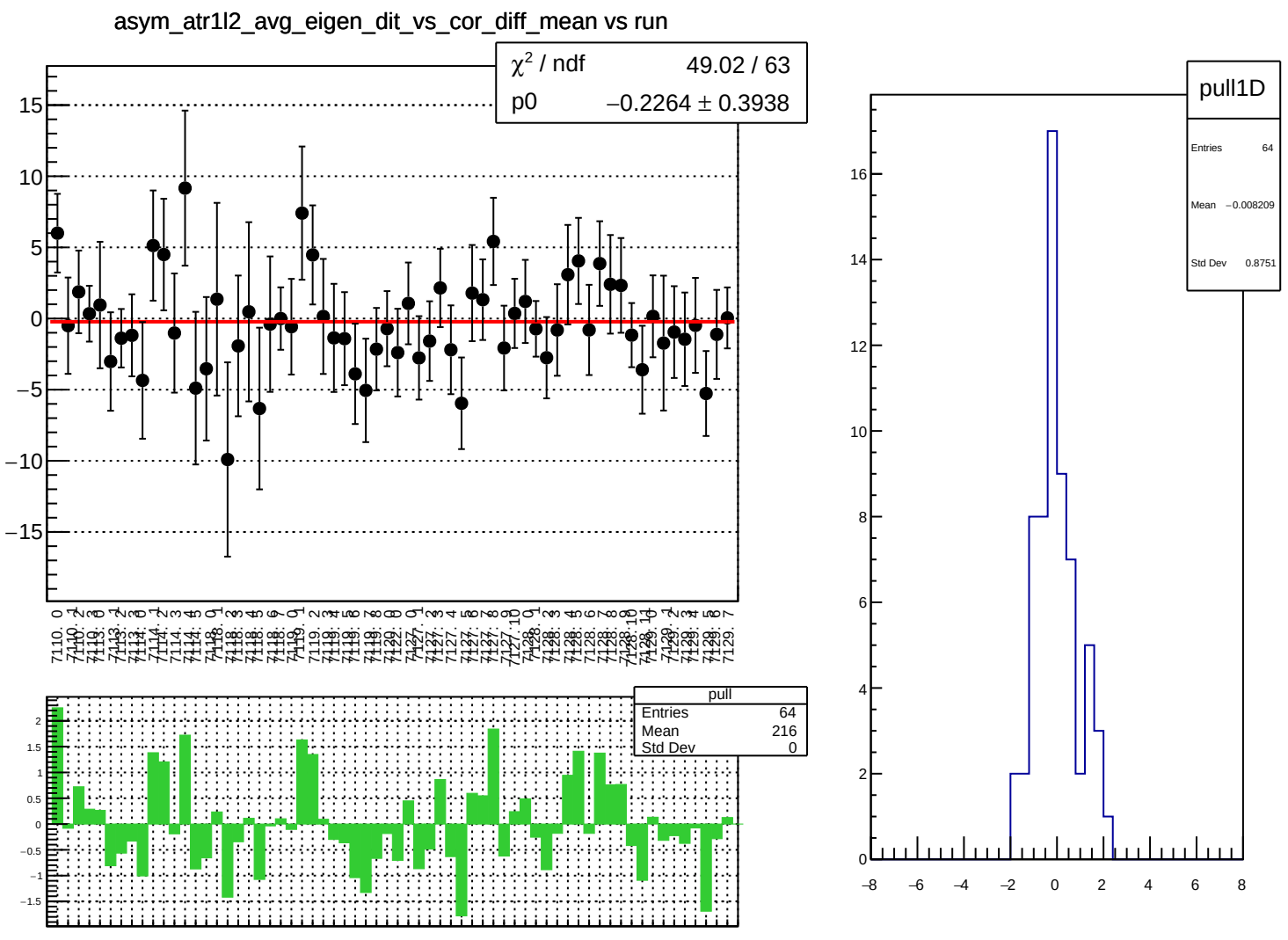

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.02 / 63
p0 −0.2264 ± 0.3938
pull
Entries 64
Mean 216
Std Dev 0
pull1D
Entries 64
Mean −0.008207
Std Dev 0.8751

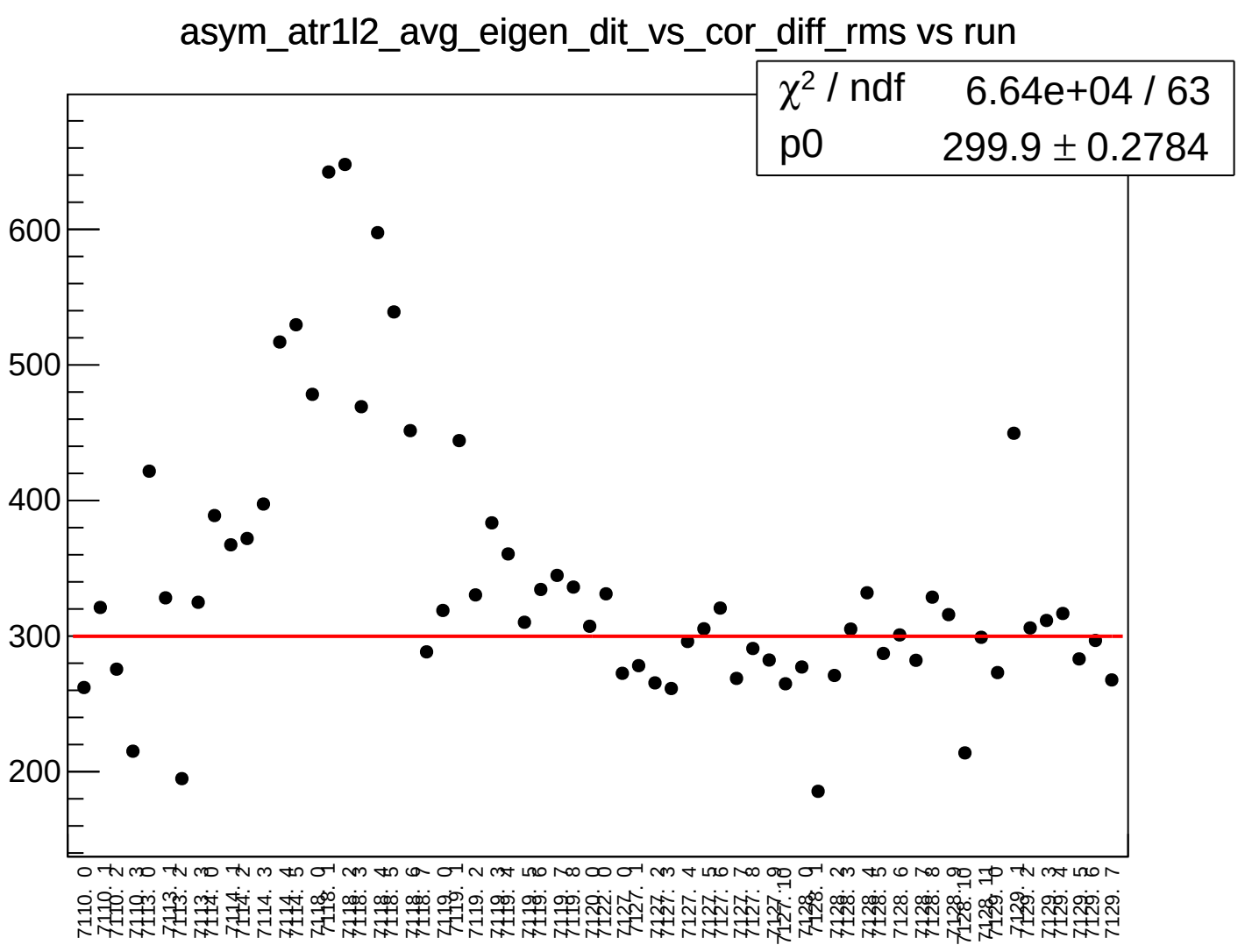

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.641e+04 / 63
p0 299.9 ± 0.2784
600
500
400
300
200

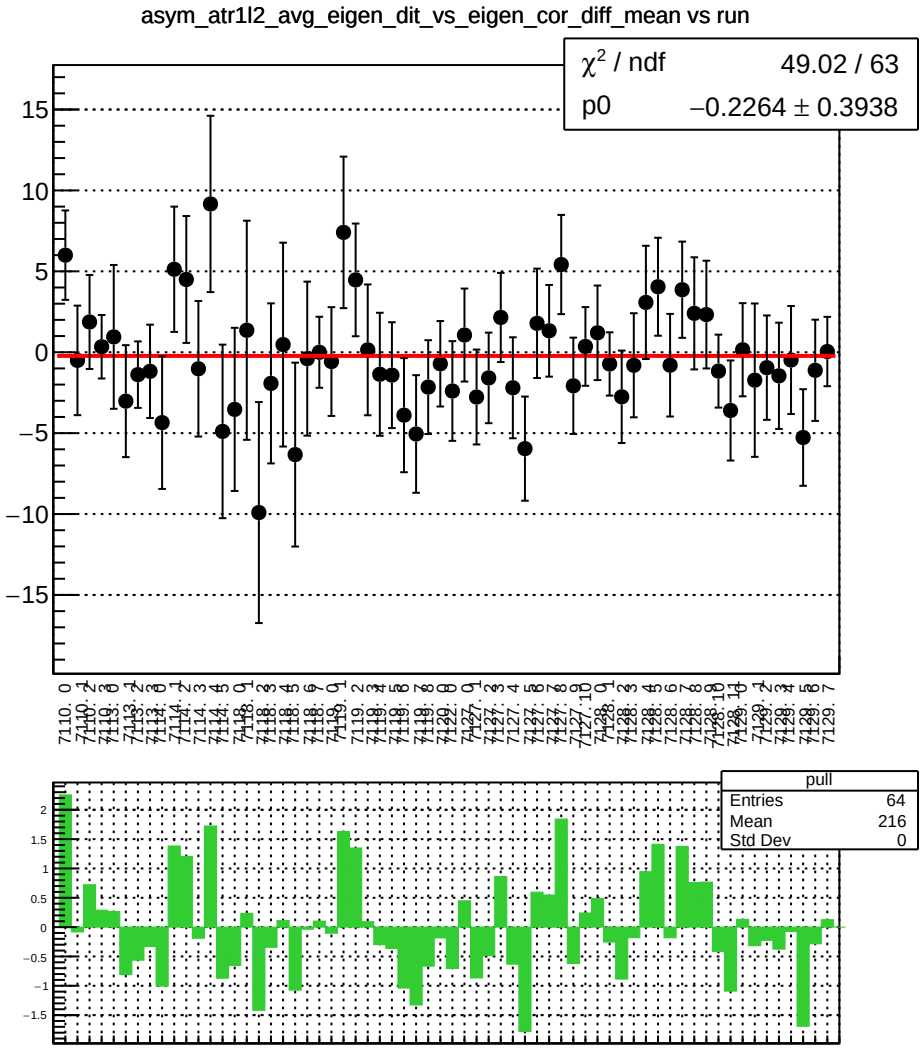

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.77 / 63
p0 −2.143e−05 ± 2.385e−05
pull
Entries 64
Mean 304.9
Std Dev 0

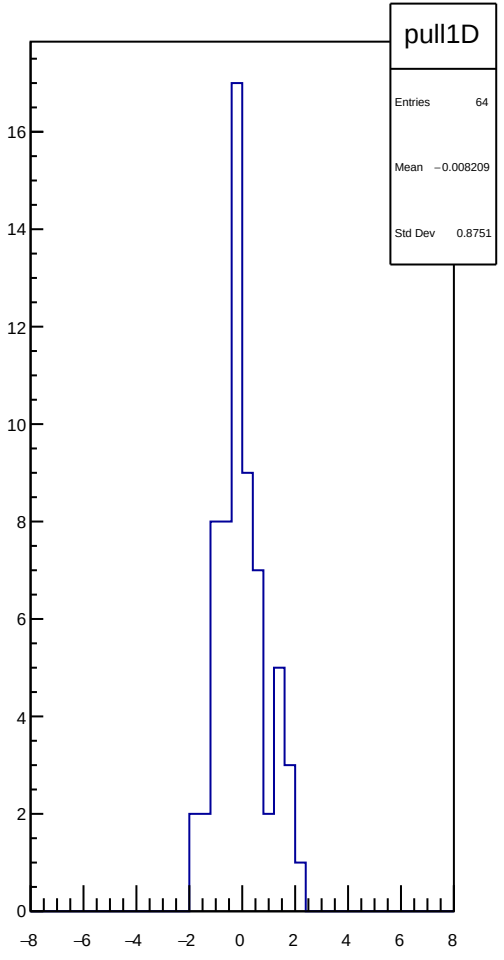

pull1D
Entries 64
Mean −0.01165
Std Dev 0.925

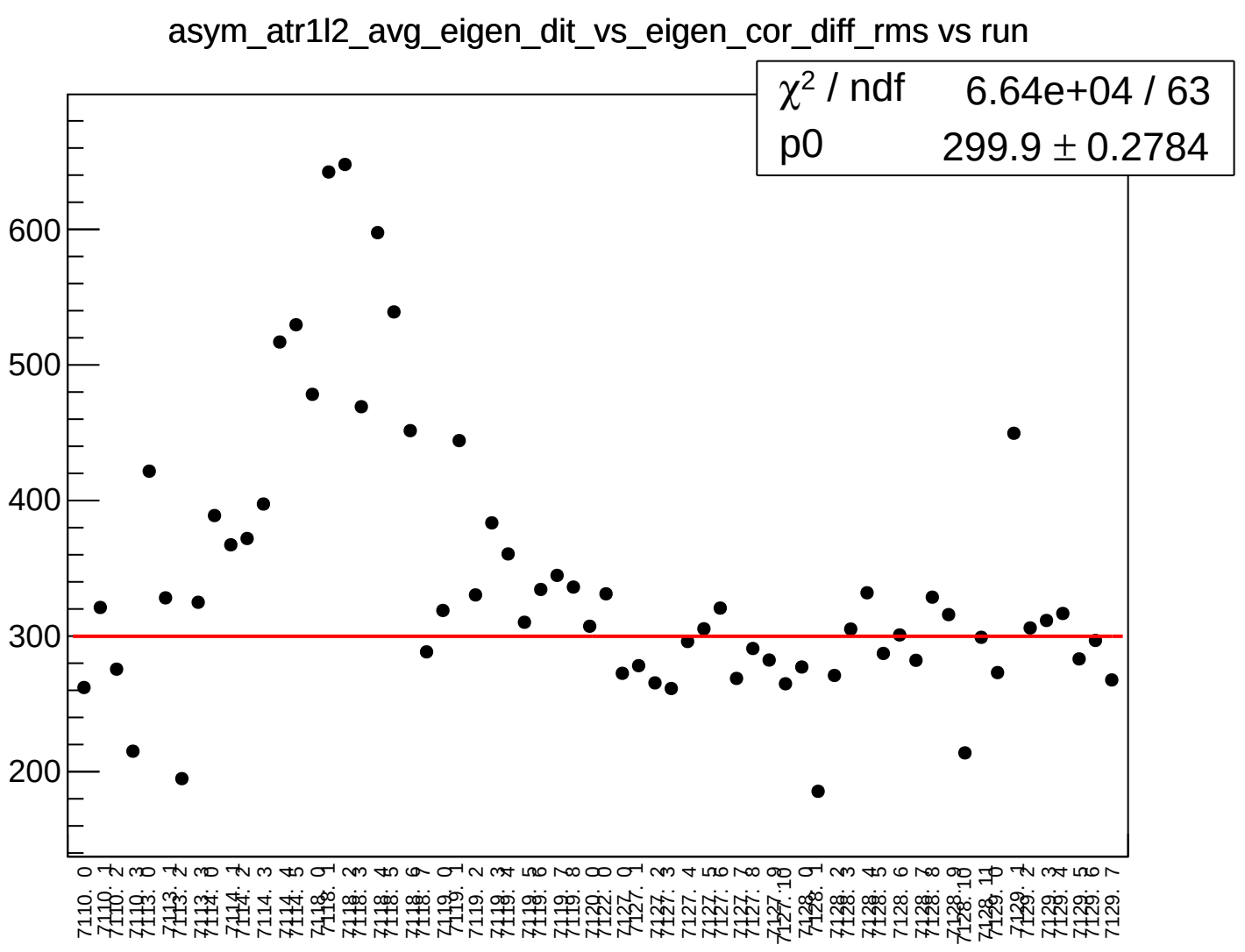

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.844e+04 / 63
p0 0.01854 ± 1.687e–05
0.026
0.024
0.022
0.02
0.018
0.016

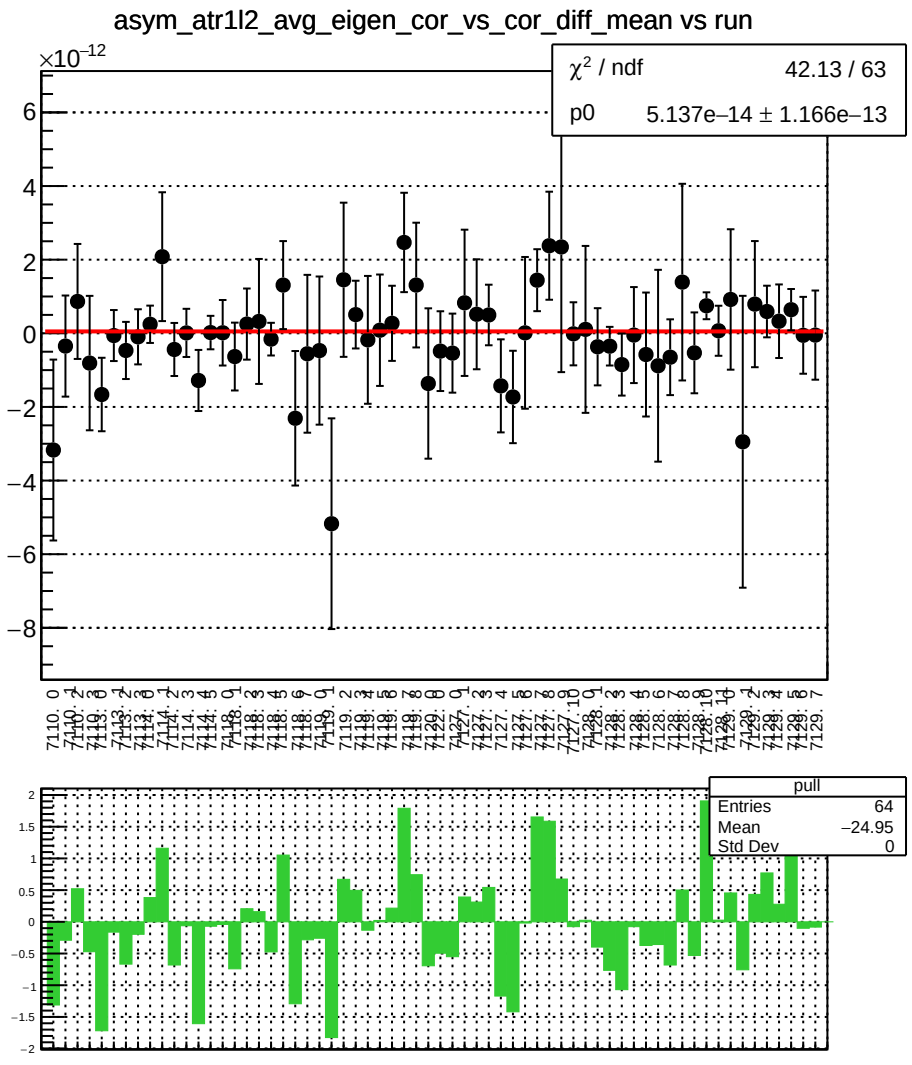

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.02 / 63
p0 −0.2264 ± 0.3938
pull
Entries 64
Mean 216
Std Dev 0
pull1D
Entries 64
Mean −0.008209
Std Dev 0.8751

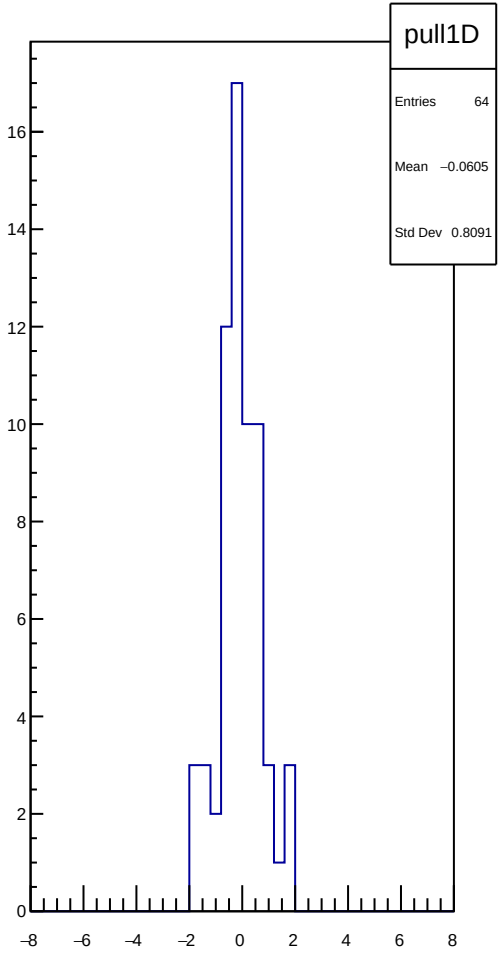

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.64e+04 / 63
p0 299.9 ± 0.2784
600
500
400
300
200

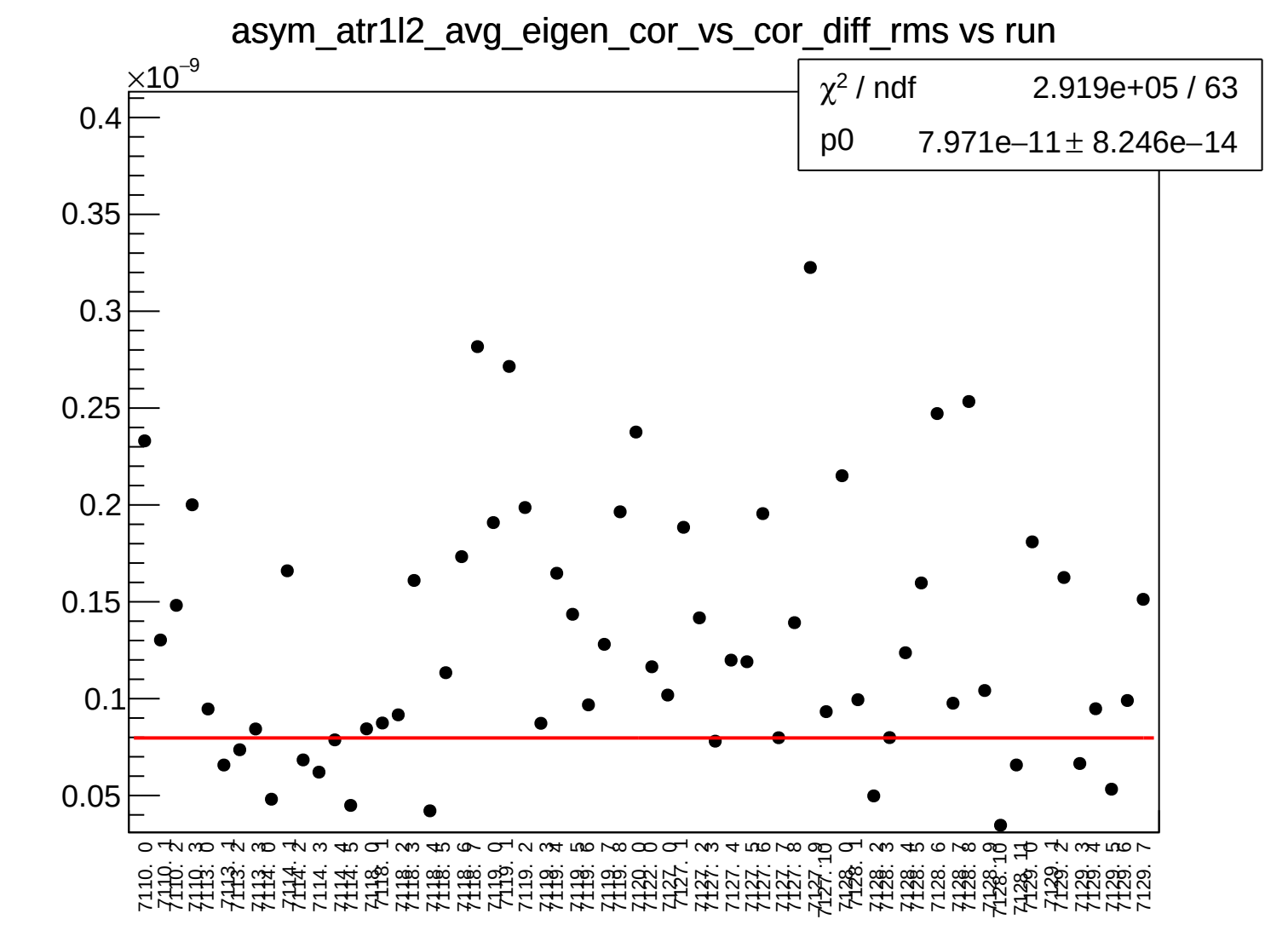

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.02 / 63
p0 −0.2264 ± 0.3938
pull
Entries 64
Mean 216
Std Dev 0

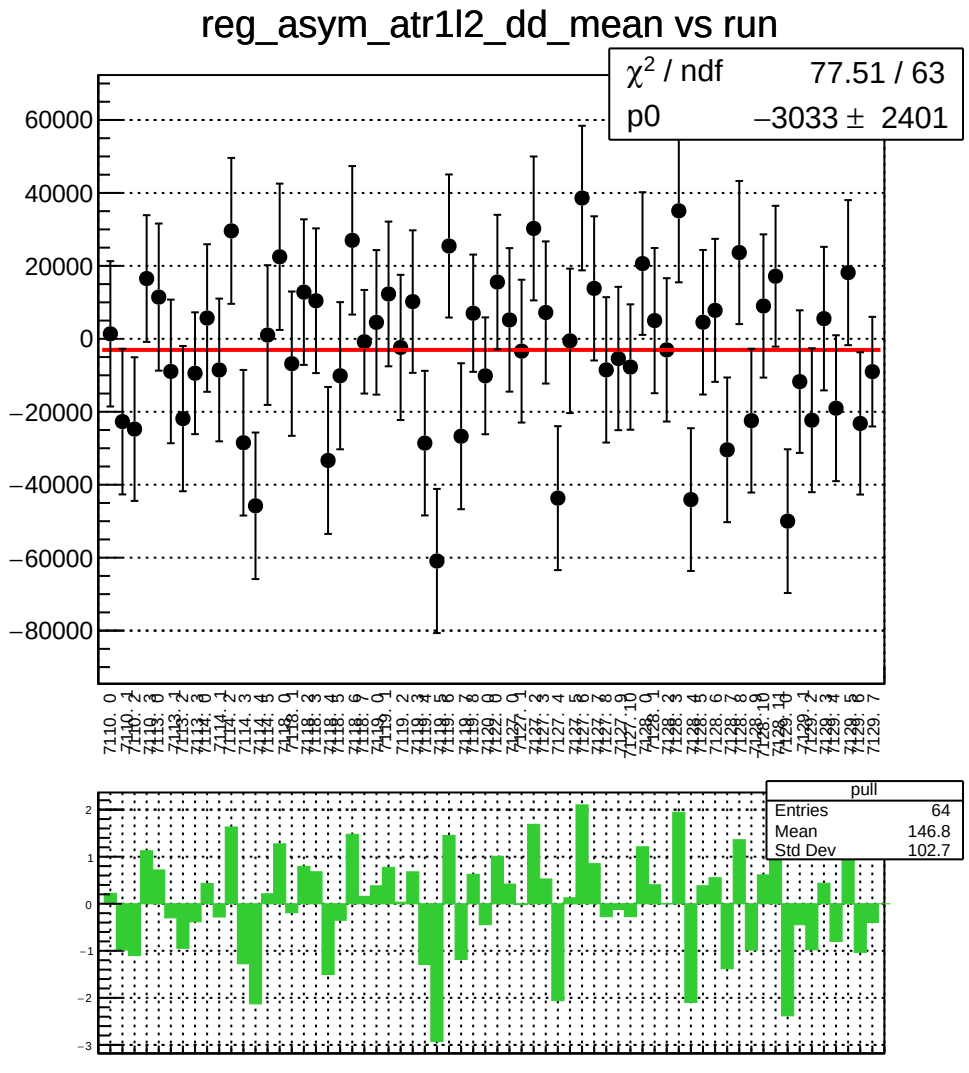

pull1D
Entries 64
Mean −0.008209
Std Dev 0.8751

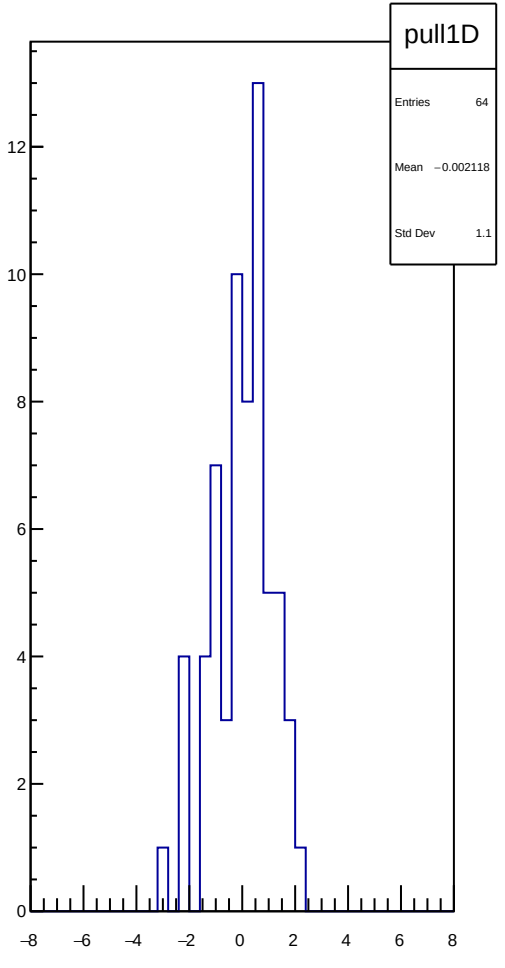

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.64e+04 / 63
p0 299.9 ± 0.2784
600
500
400
300
200

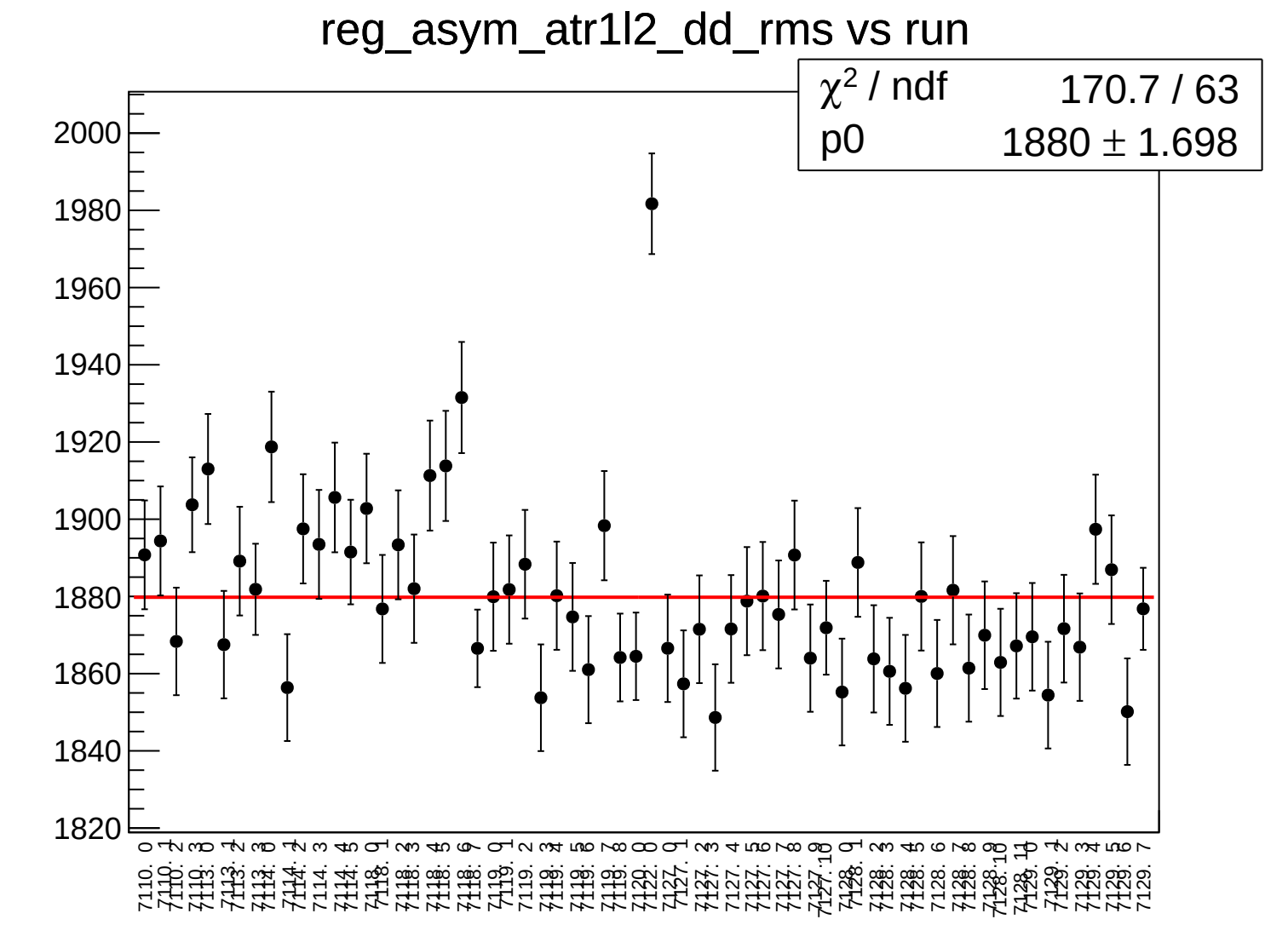

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 42.13 / 63
p0 5.137e−14 ± 1.166e−13
pull
Entries 64
Mean −24.95
Std Dev 0

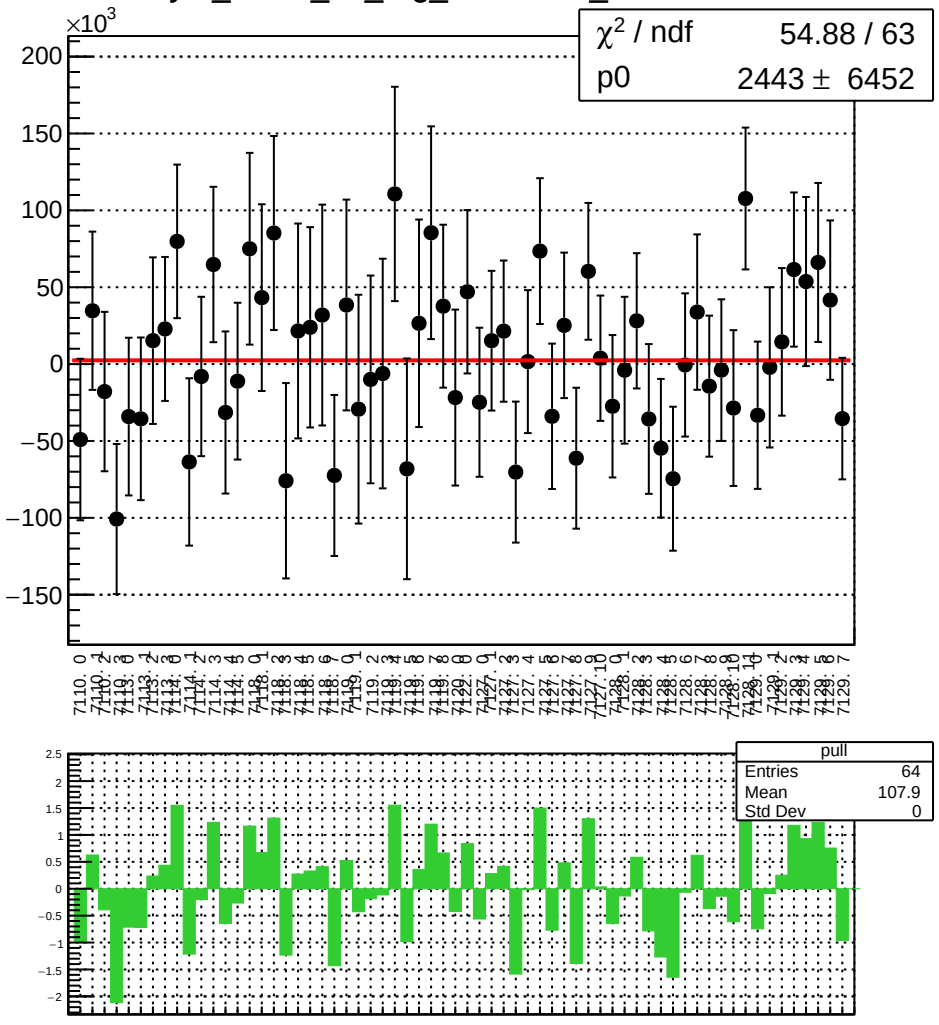

pull1D
Entries 64
Mean −0.0605
Std Dev 0.8091

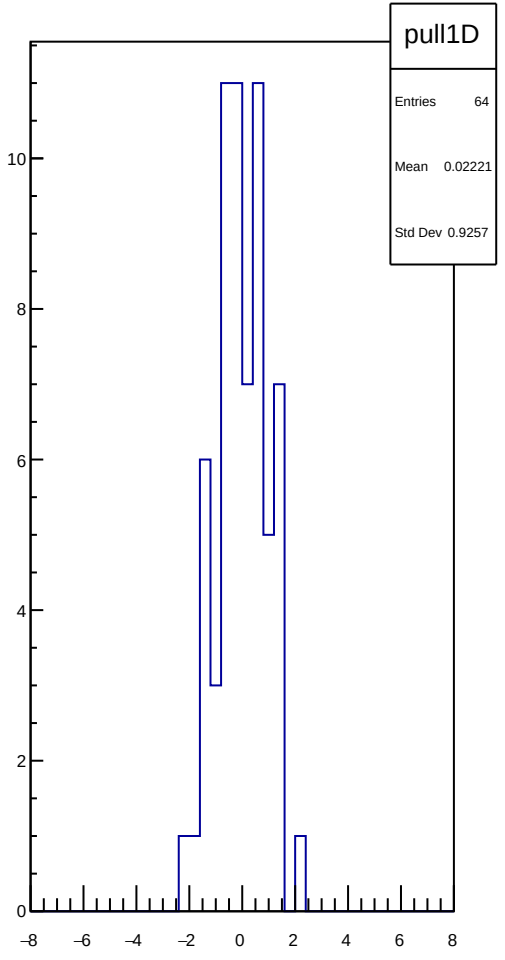

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.919e+05 / 63
p0 7.971e−11 ± 8.246e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

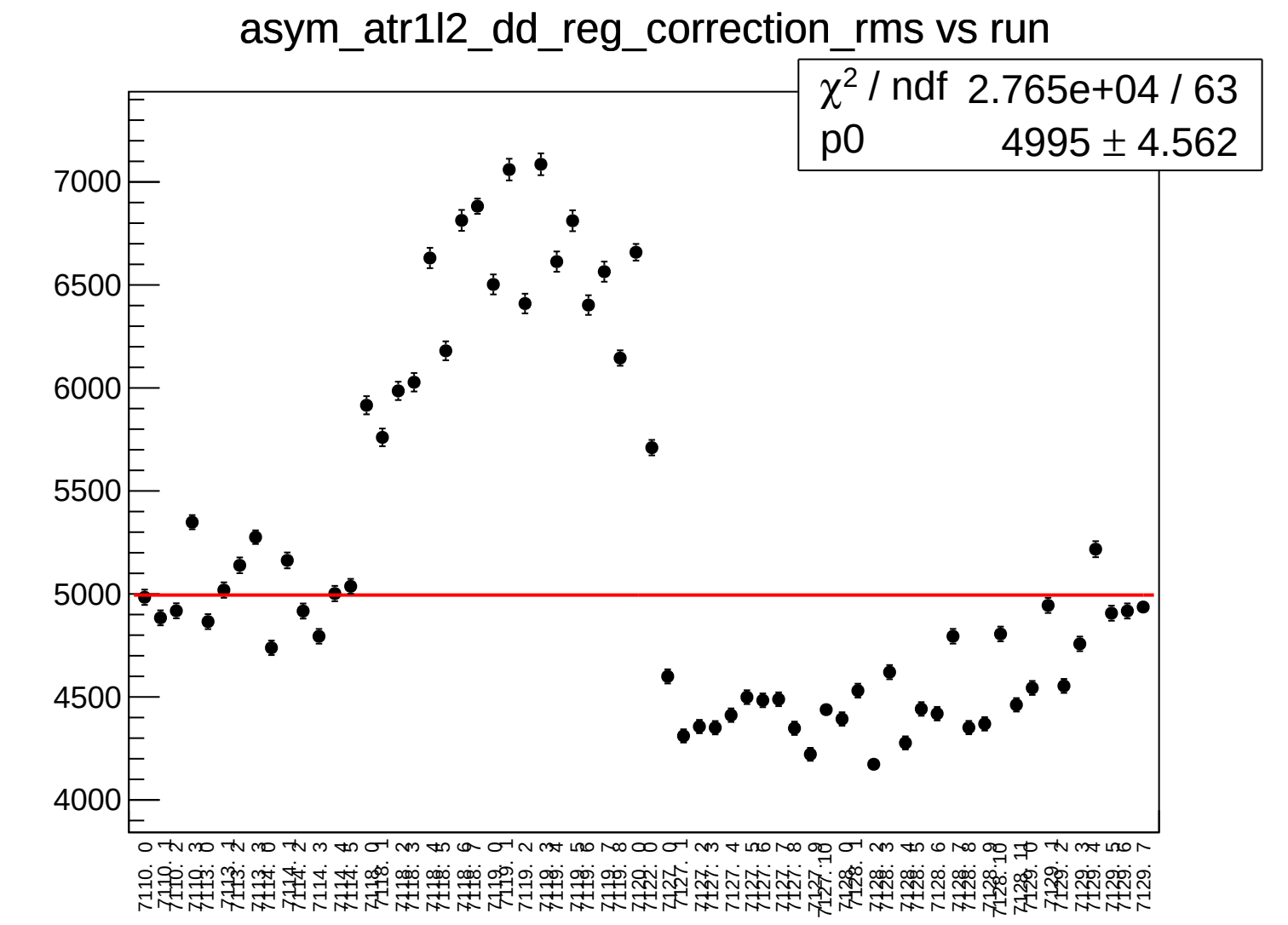

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 77.51 / 63
p0 −3033 ± 2401
pull
Entries 64
Mean 146.8
Std Dev 102.7

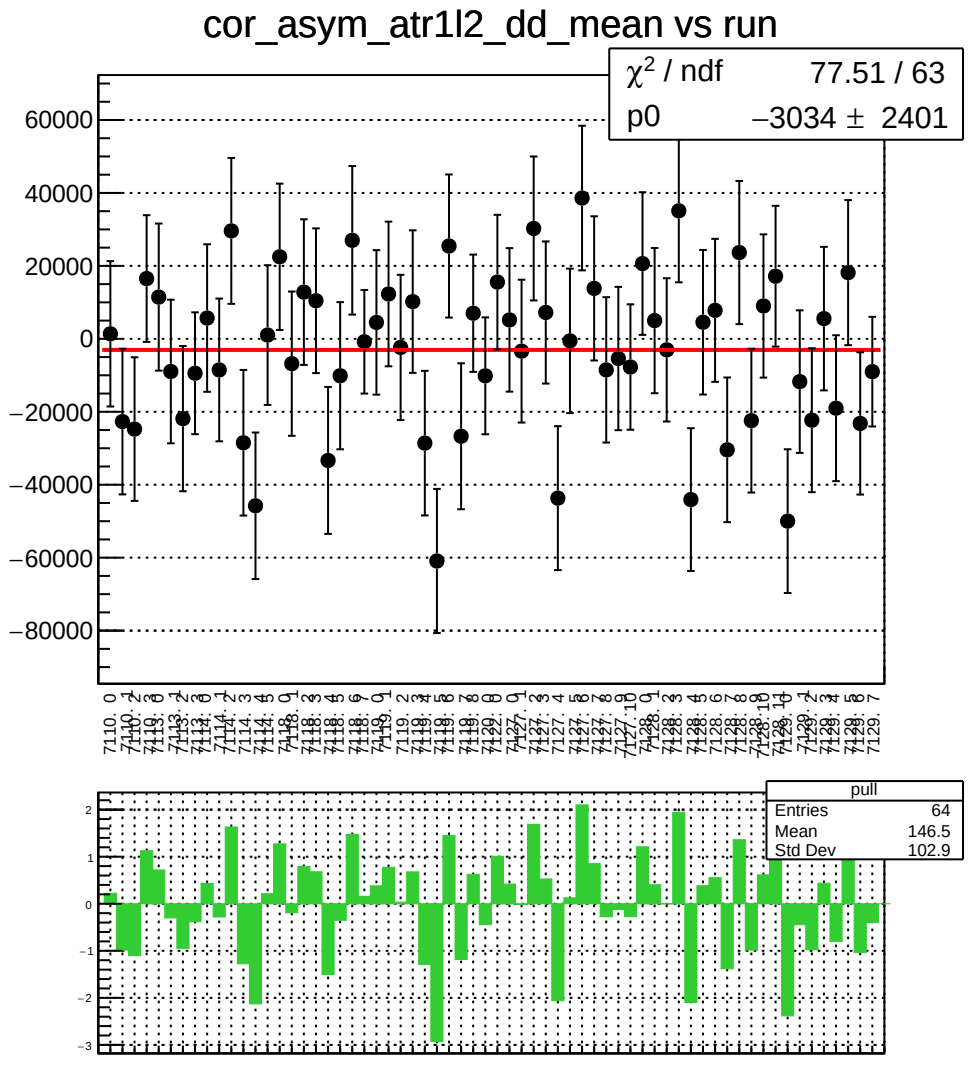

pull1D
Entries 64
Mean −0.002118
Std Dev 1.1

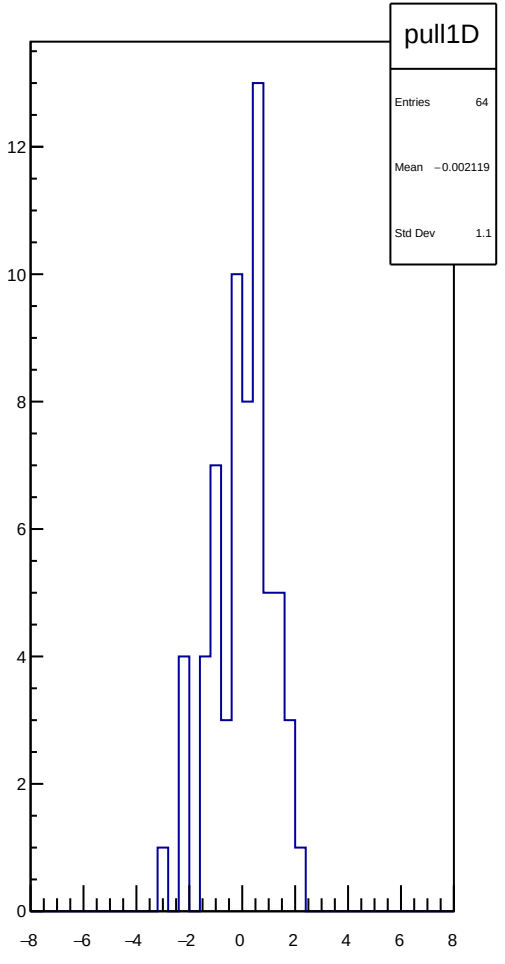

reg_asym_atr1l2_dd_rms vs run
χ^2 / ndf 170.7 / 63
p0 1880 ± 1.698
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

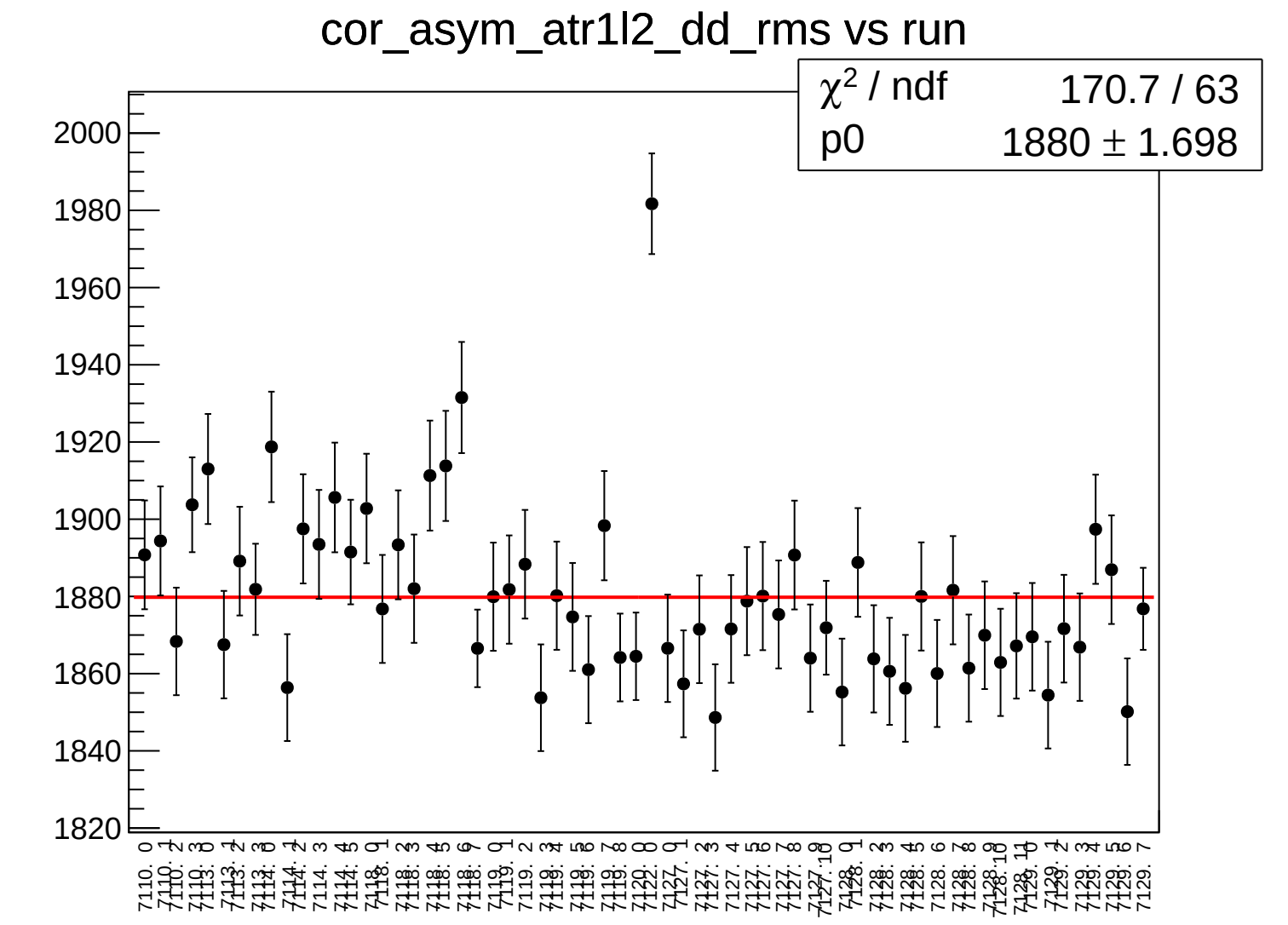

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.88 / 63
p0 2443 ± 6452
pull
Entries 64
Mean 107.9
Std Dev 0

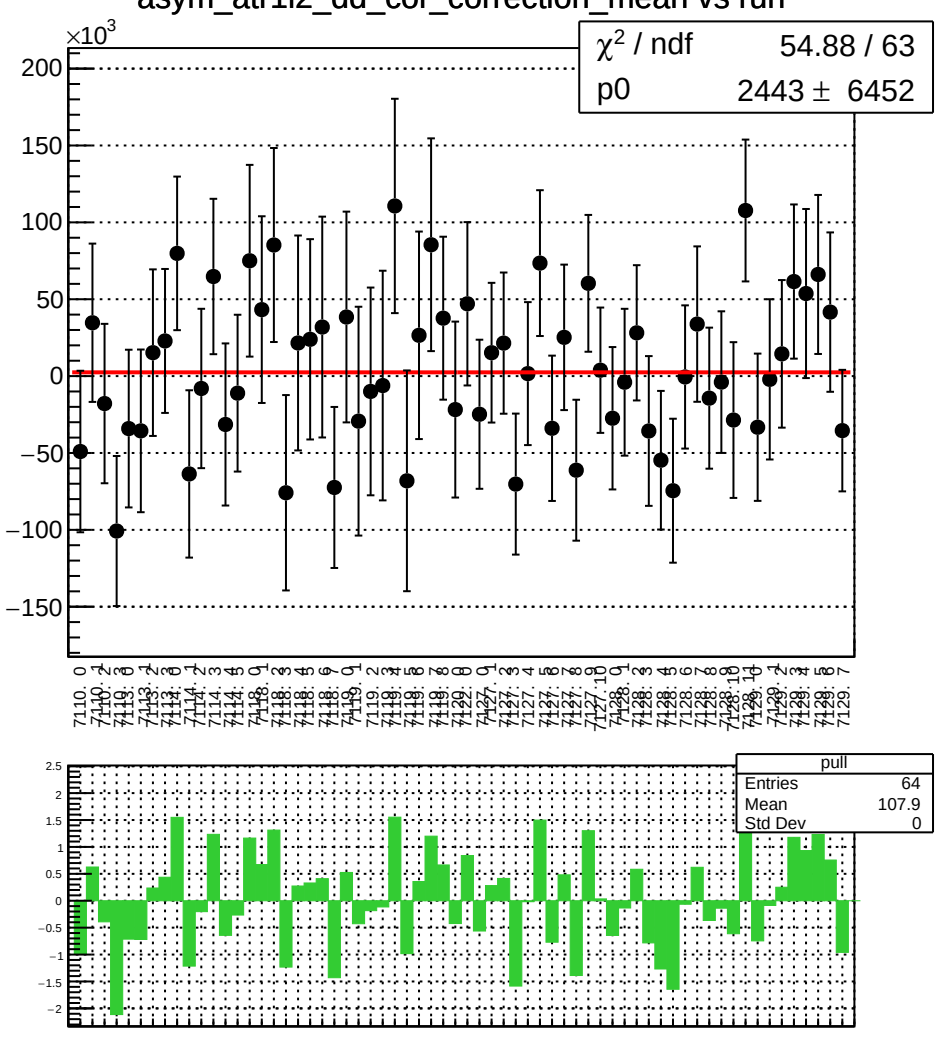

pull1D
Entries 64
Mean 0.02221
Std Dev 0.9257

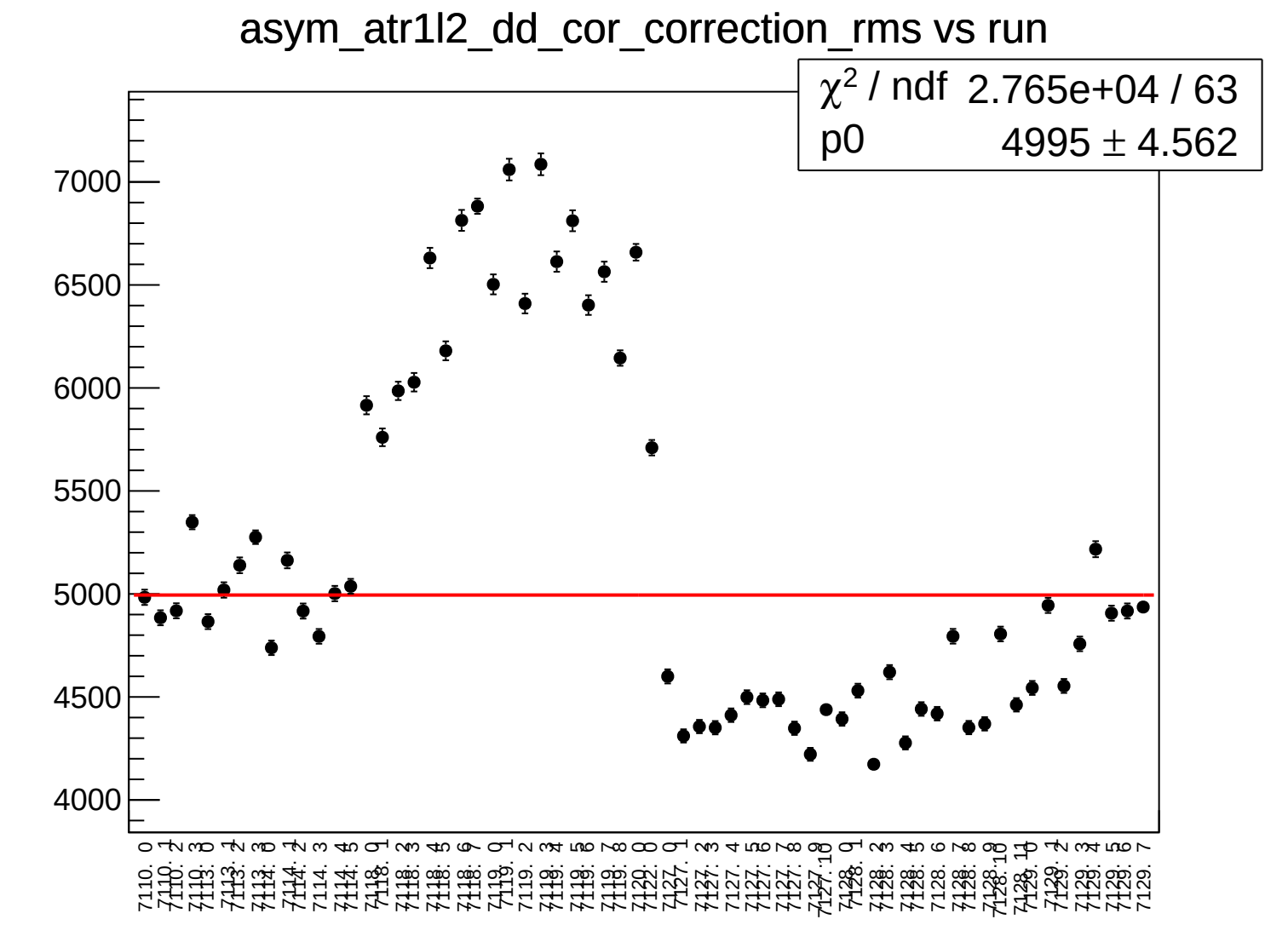

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 2.765e+04 / 63
p0 4995 ± 4.562
7000
6500
6000
5500
5000
4500
4000

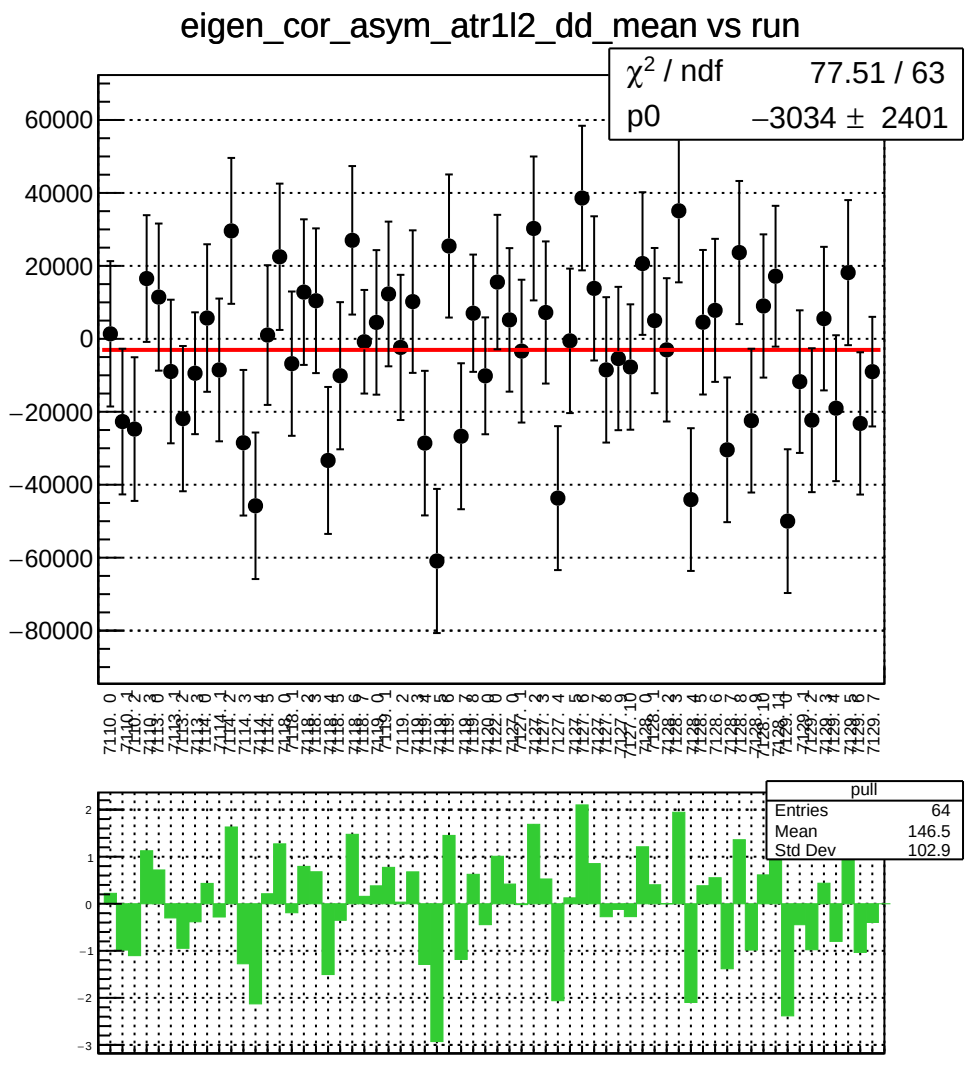

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 77.51 / 63
p0 −3034 ± 2401
pull
Entries 64
Mean 146.5
Std Dev 102.9

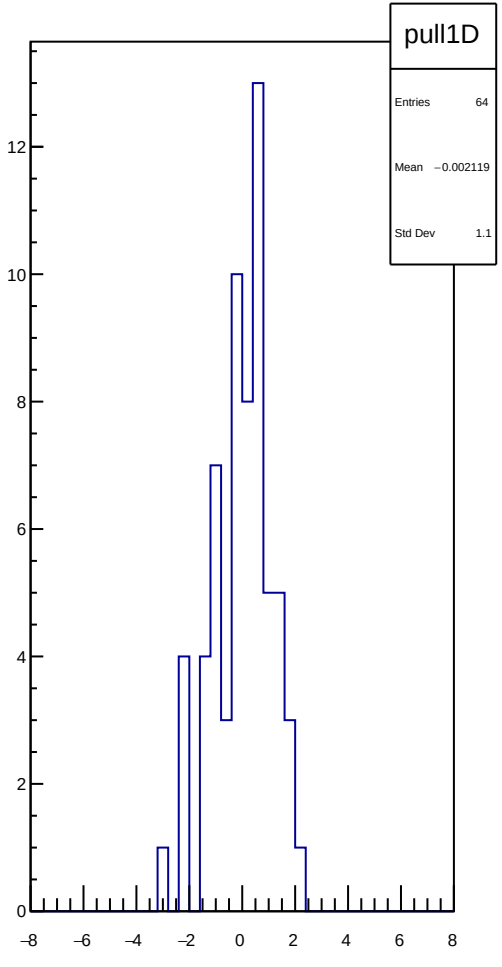

pull1D
Entries 64
Mean −0.002119
Std Dev 1.1

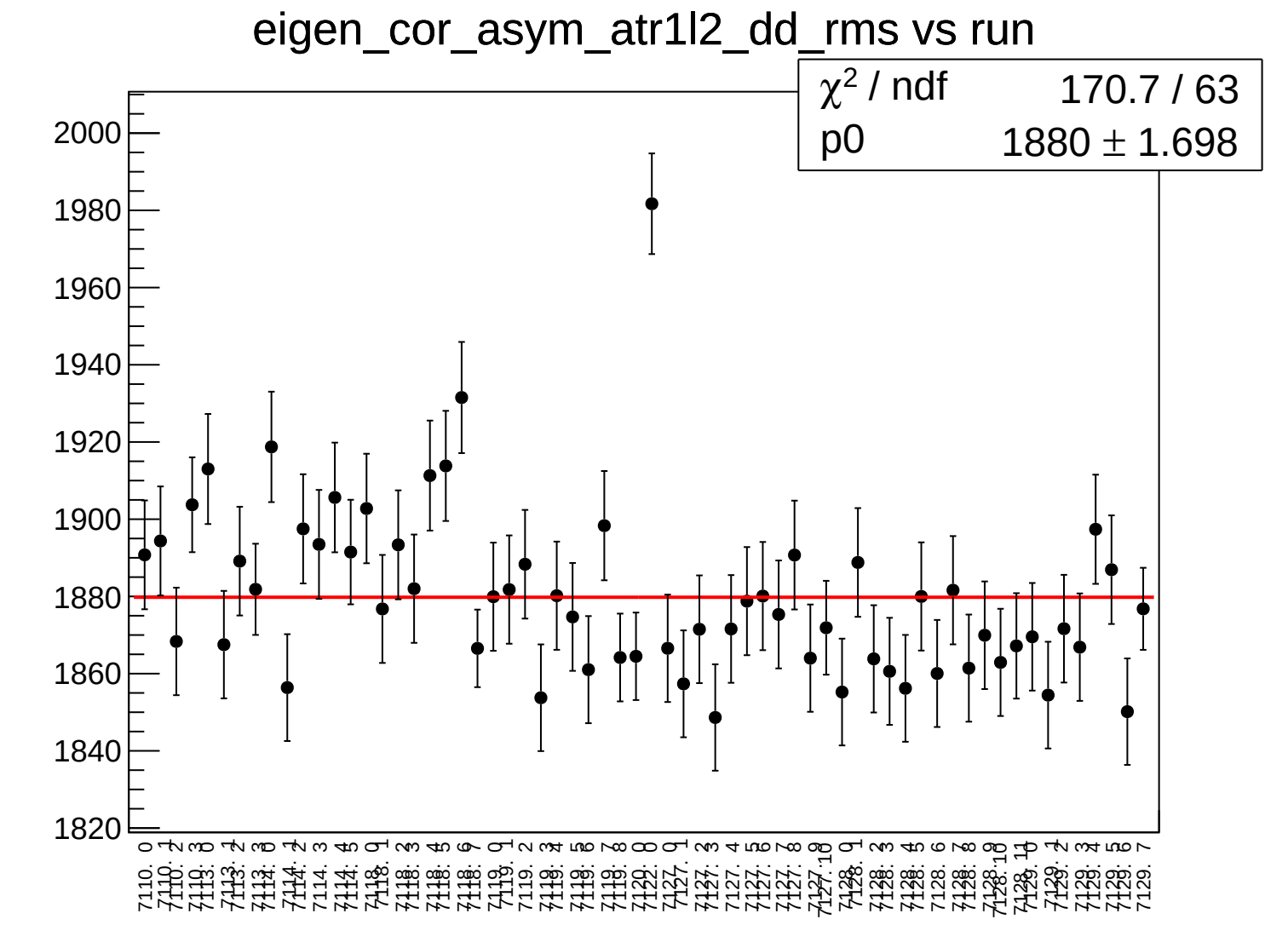

cor_asym_atr1l2_dd_rms vs run
χ^2 / ndf 170.7 / 63
p0 1880 ± 1.698
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

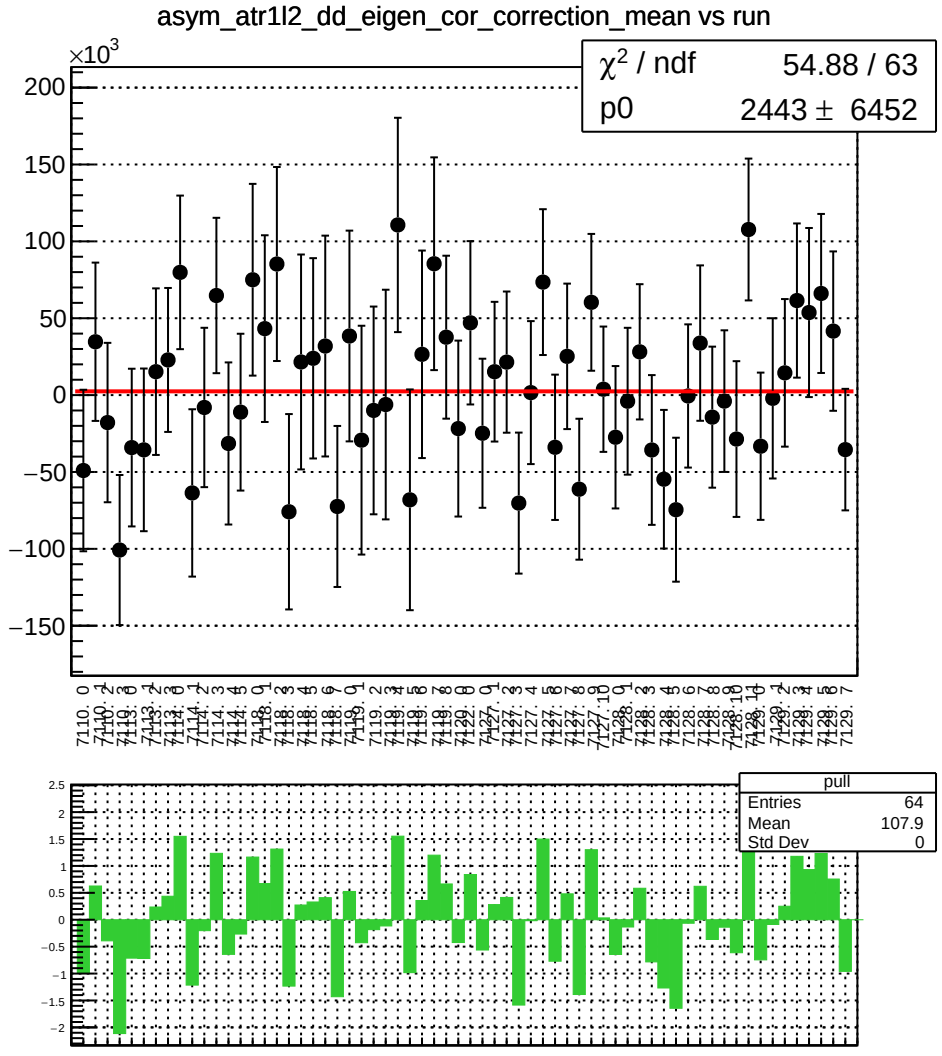

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.88 / 63
p0 2443 ± 6452
pull
Entries 64
Mean 107.9
Std Dev 0
pull1D
Entries 64
Mean 0.0222
Std Dev 0.9257

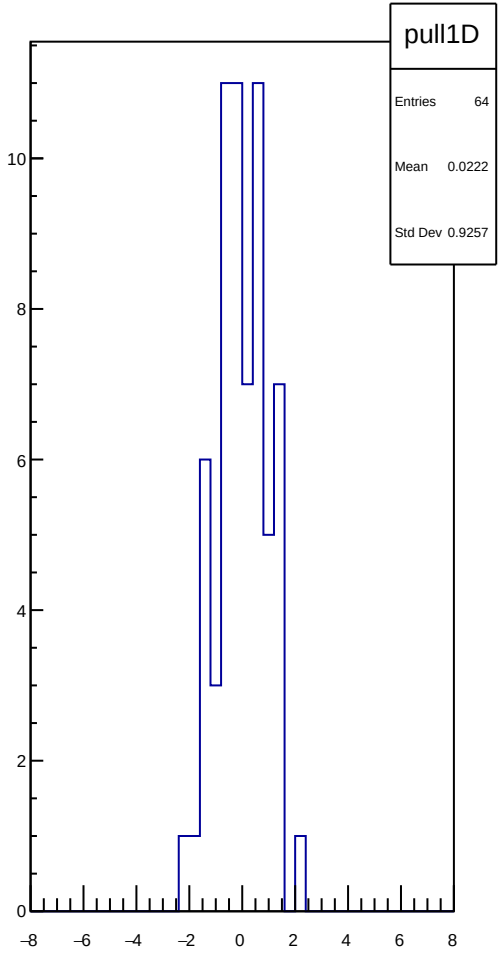

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 2.765e+04 / 63
p0 4995 ± 4.562
7000
6500
6000
5500
5000
4500
4000

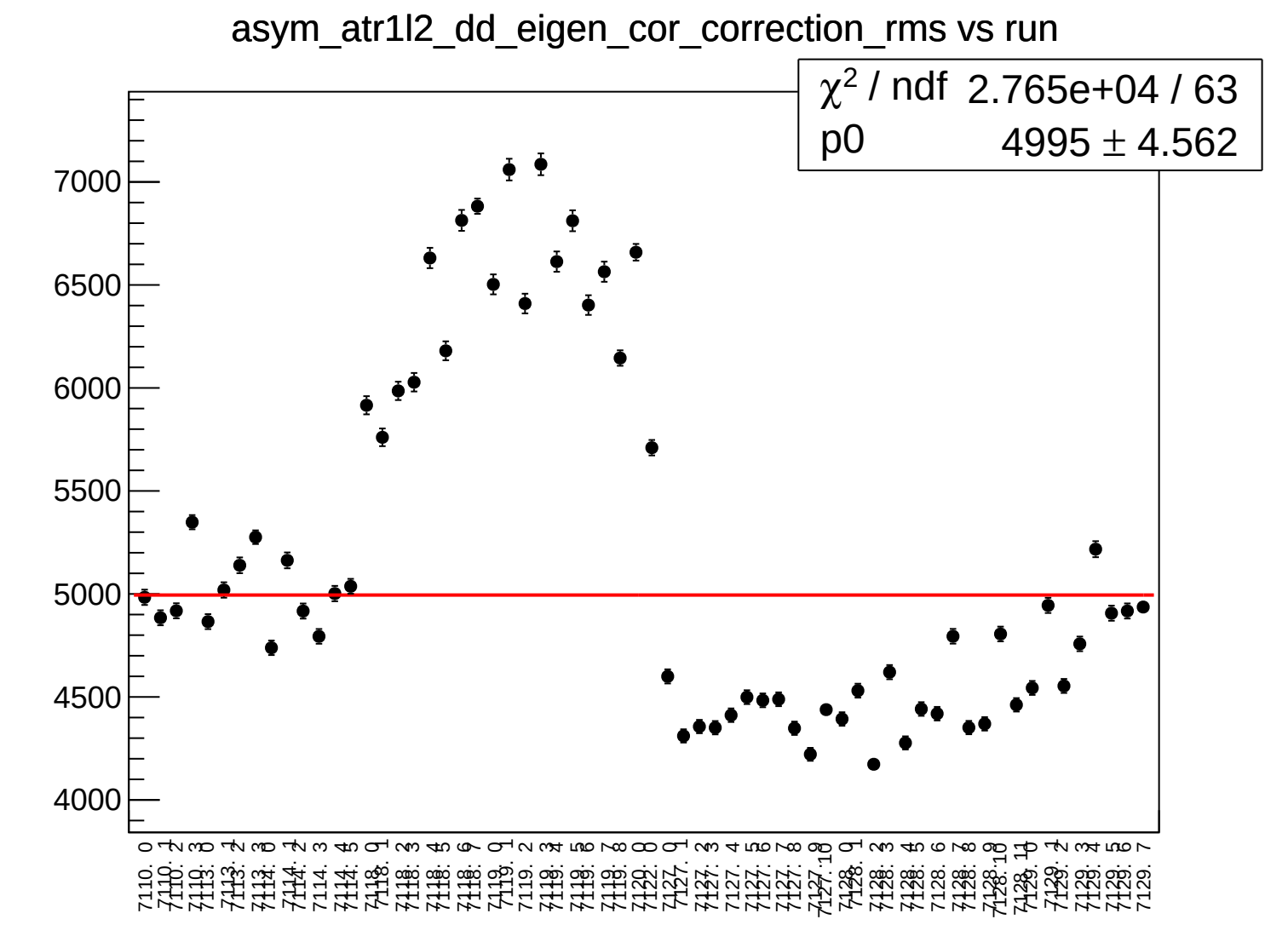

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 77.51 / 63
p0 −3034 ± 2401
pull
Entries 64
Mean 146.5
Std Dev 102.9

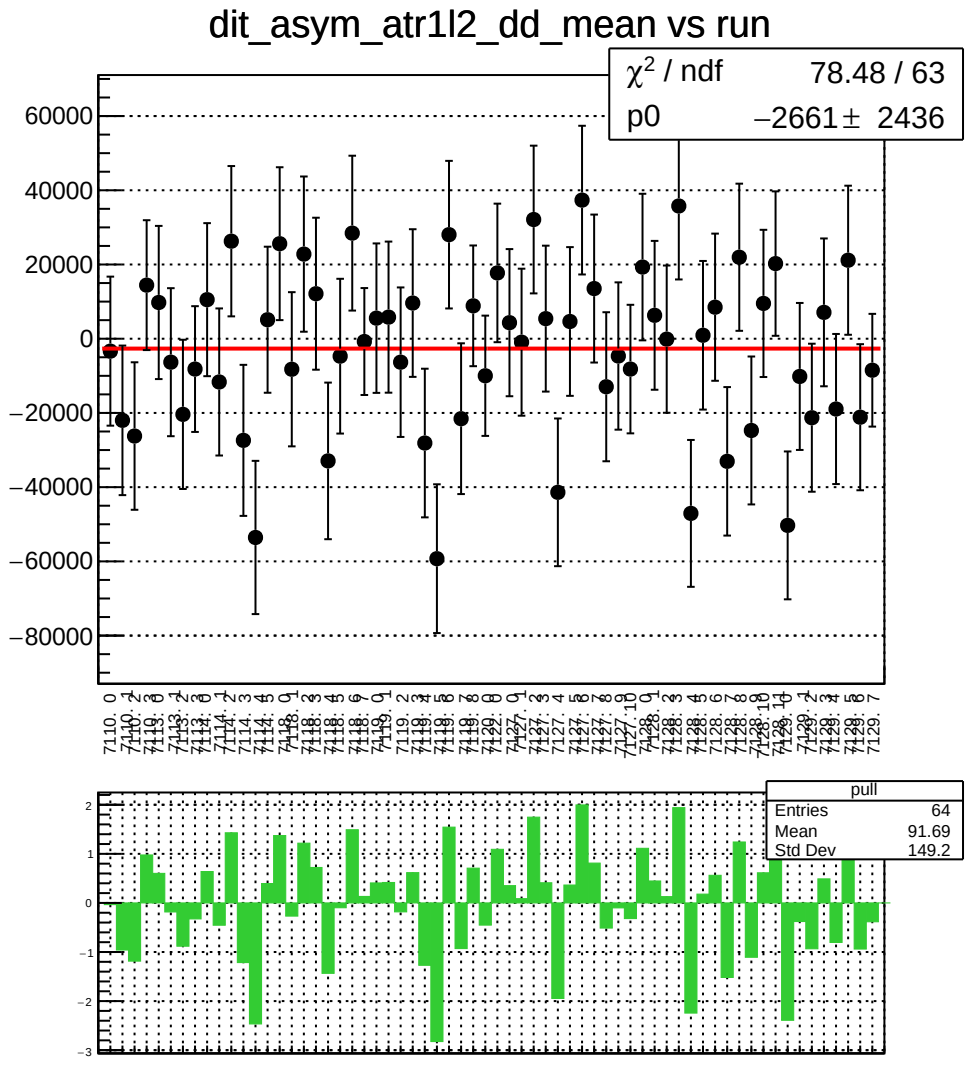

pull1D
Entries 64
Mean −0.002119
Std Dev 1.1

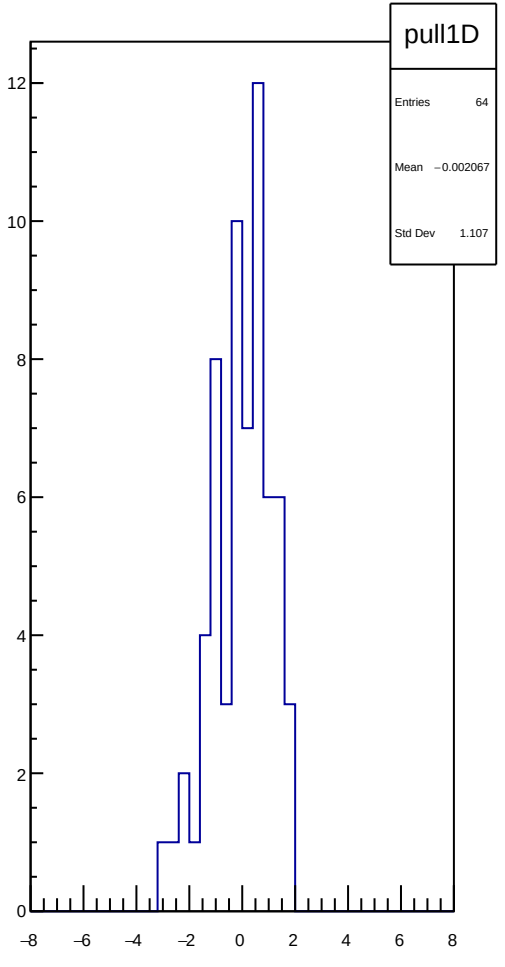

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 170.7 / 63
p0 1880 ± 1.698
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

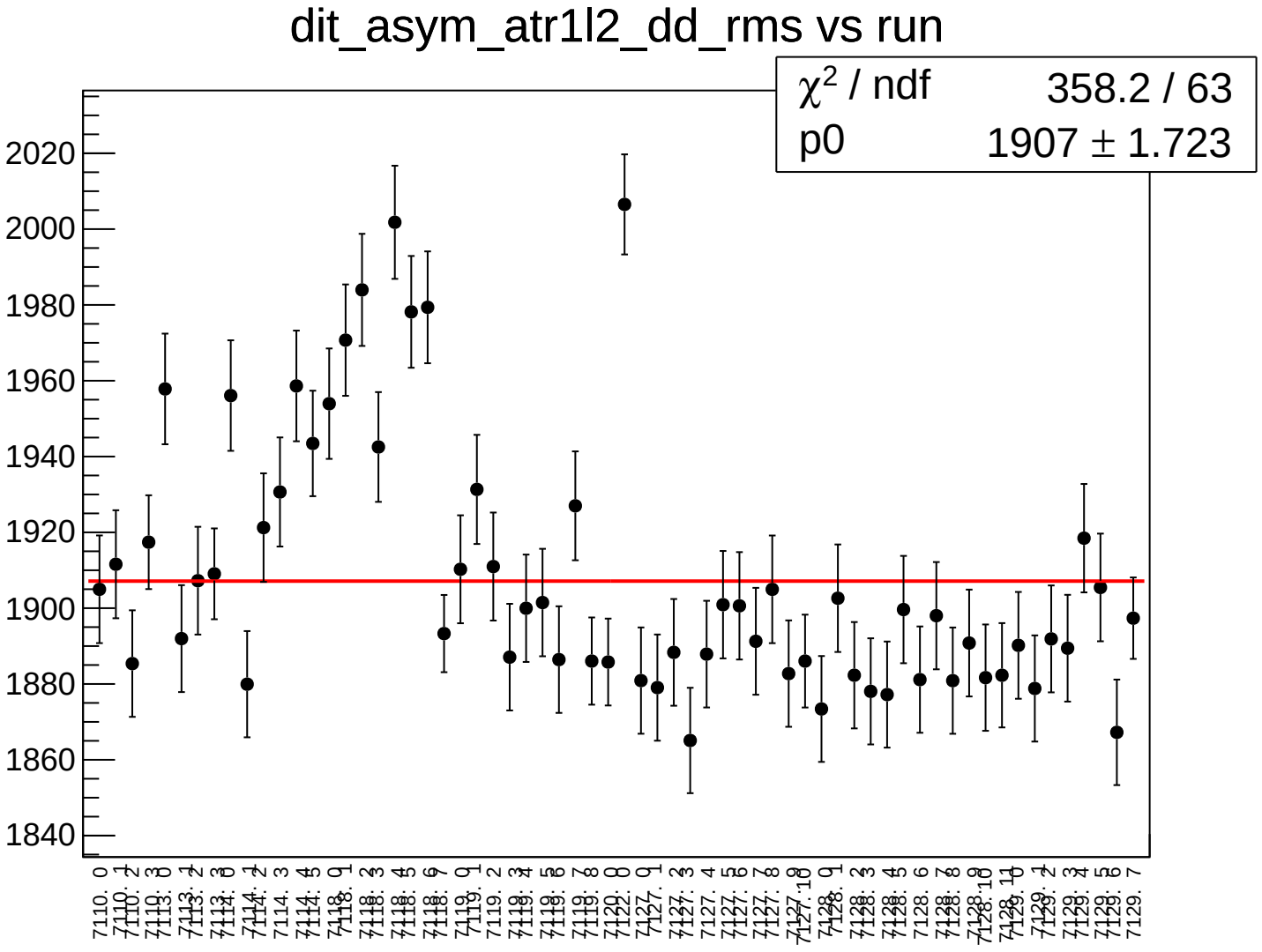

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.88 / 63
p0 2443 ± 6452
pull
Entries 64
Mean 107.9
Std Dev 0

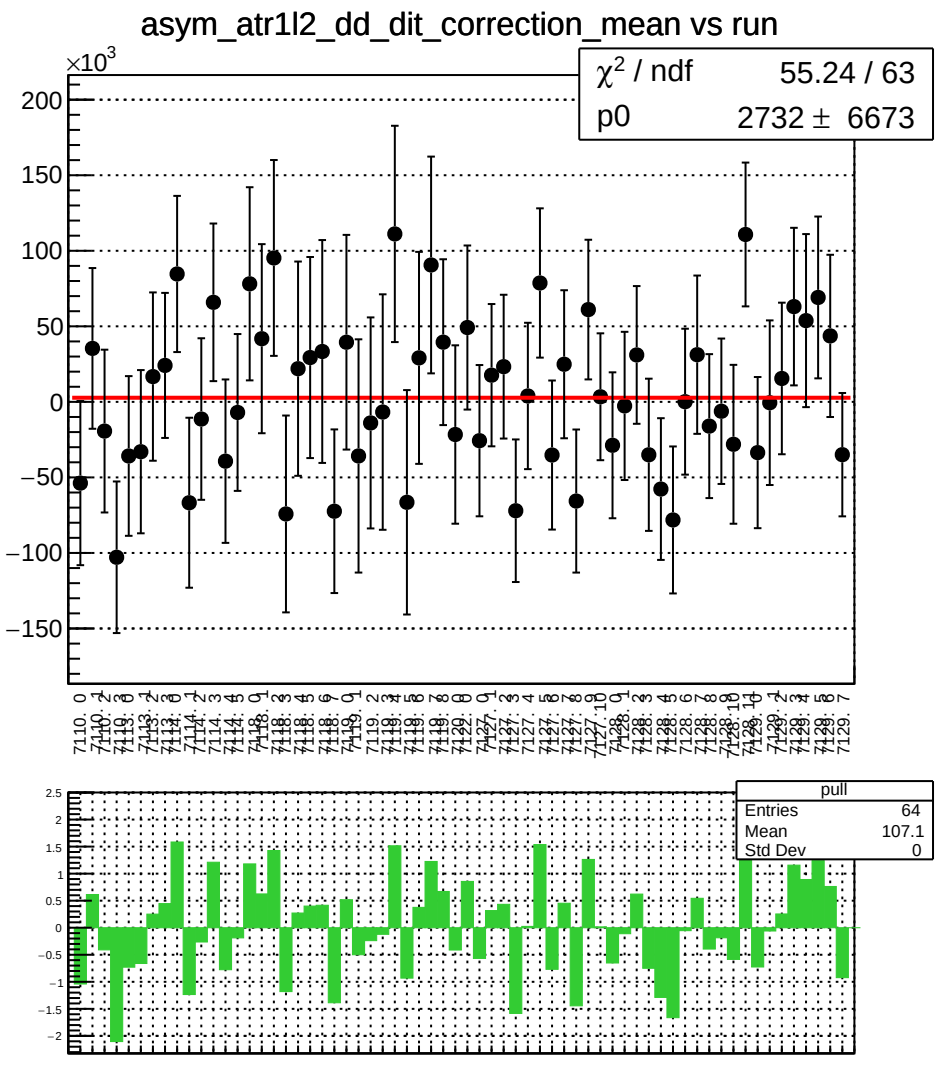

pull1D
Entries 64
Mean 0.0222
Std Dev 0.9257

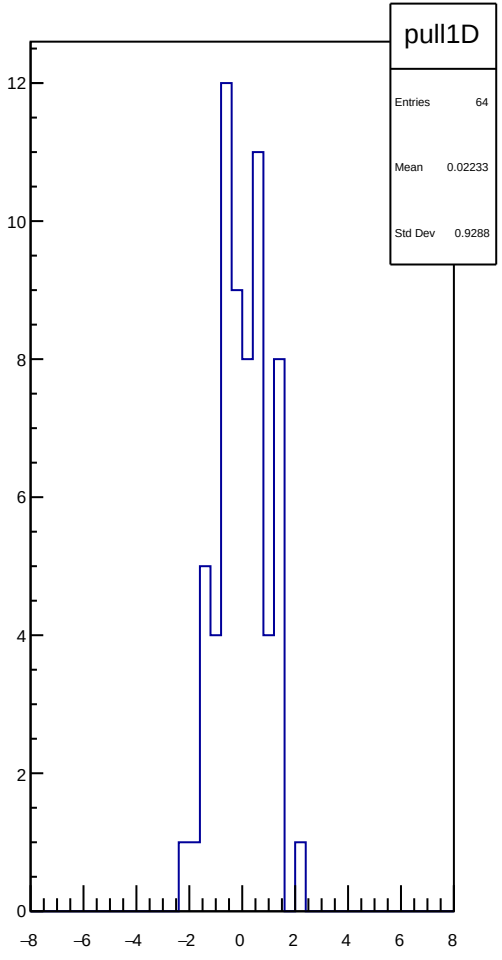

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.765e+04 / 63
p0 4995 ± 4.562
7000
6500
6000
5500
5000
4500
4000

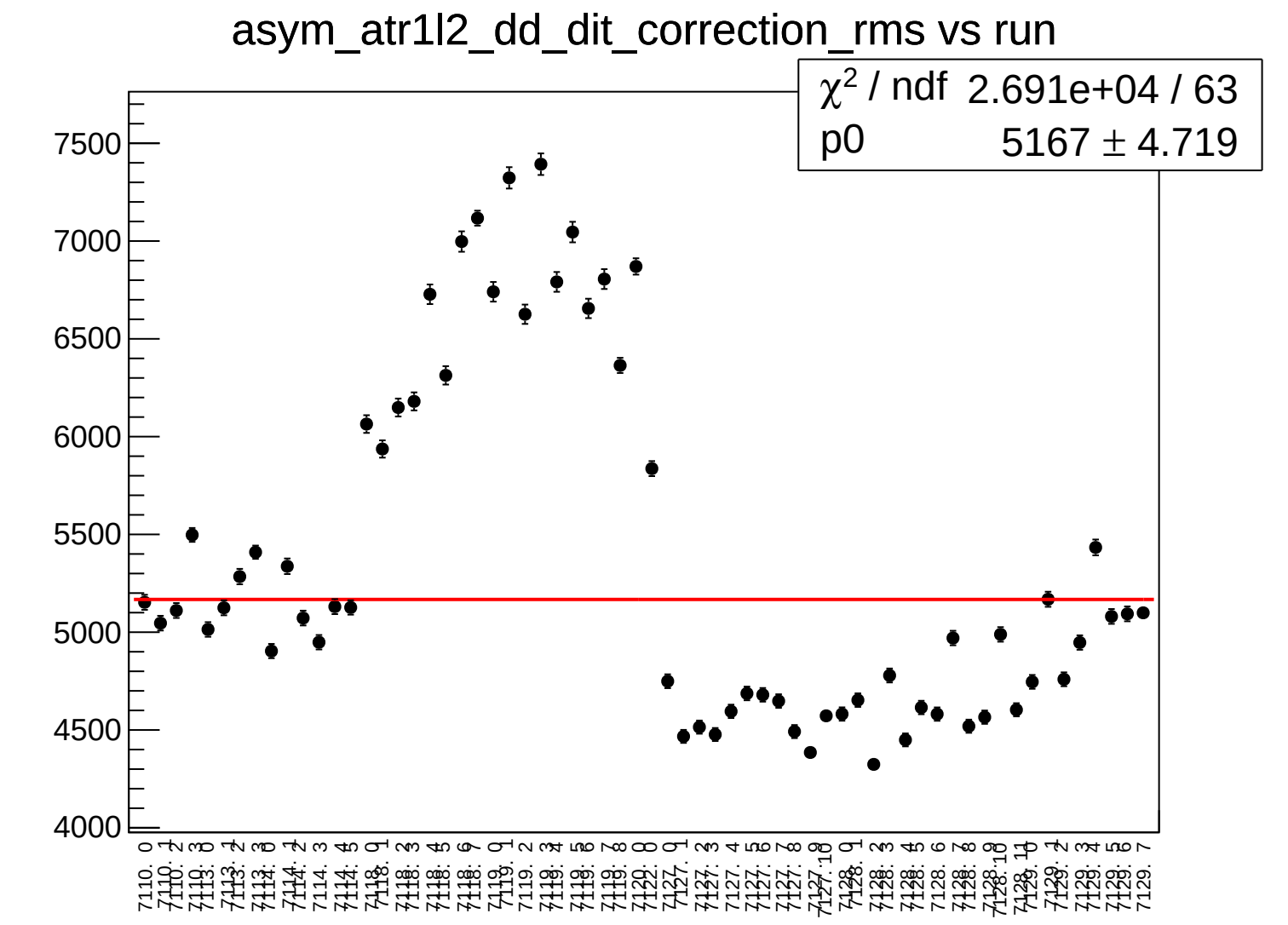

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 78.48 / 63
p0 −2661 ± 2436
pull
Entries 64
Mean 91.69
Std Dev 149.2

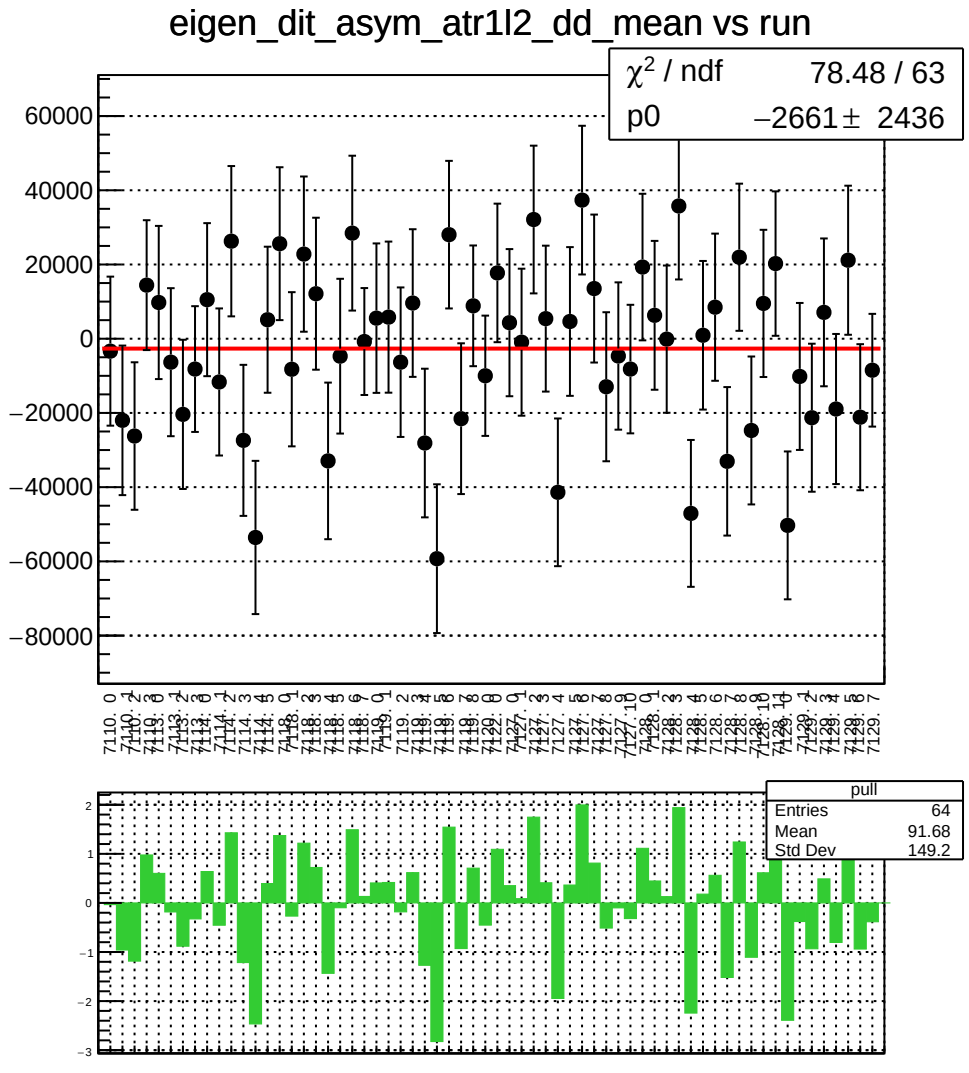

pull1D
Entries 64
Mean −0.002067
Std Dev 1.107

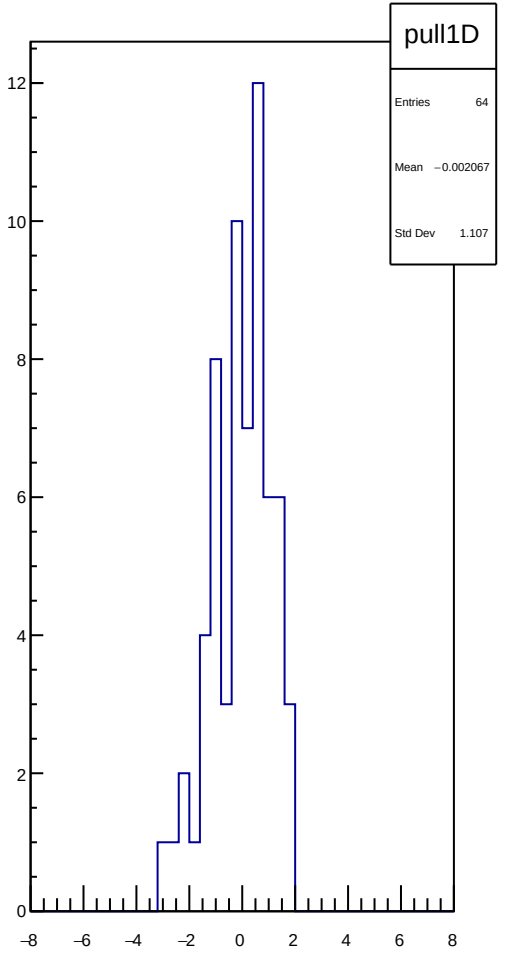

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 358.2 / 63
p0 1907 ± 1.723
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

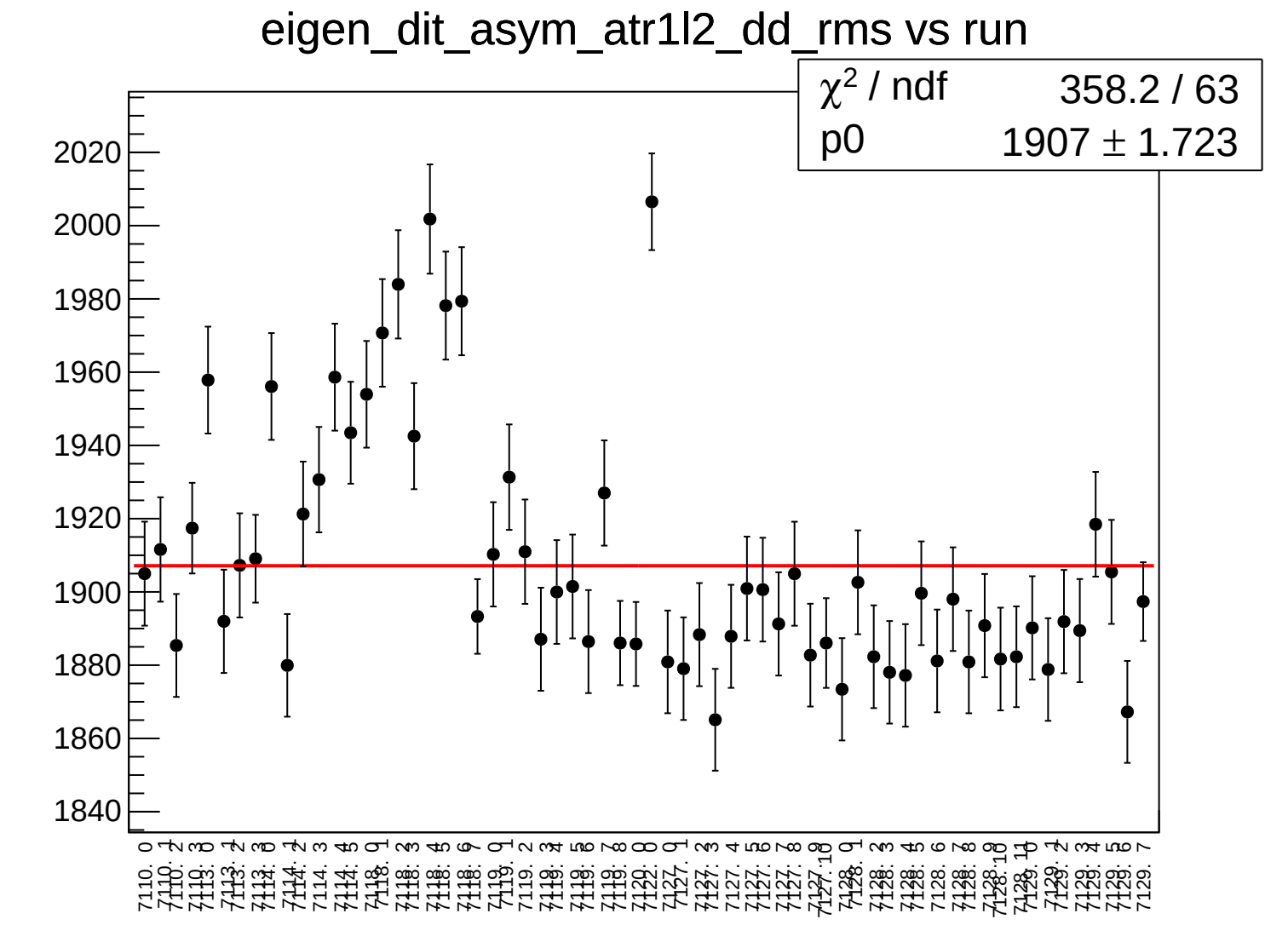

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.24 / 63
p0 2732 ± 6673
pull
Entries 64
Mean 107.1
Std Dev 0

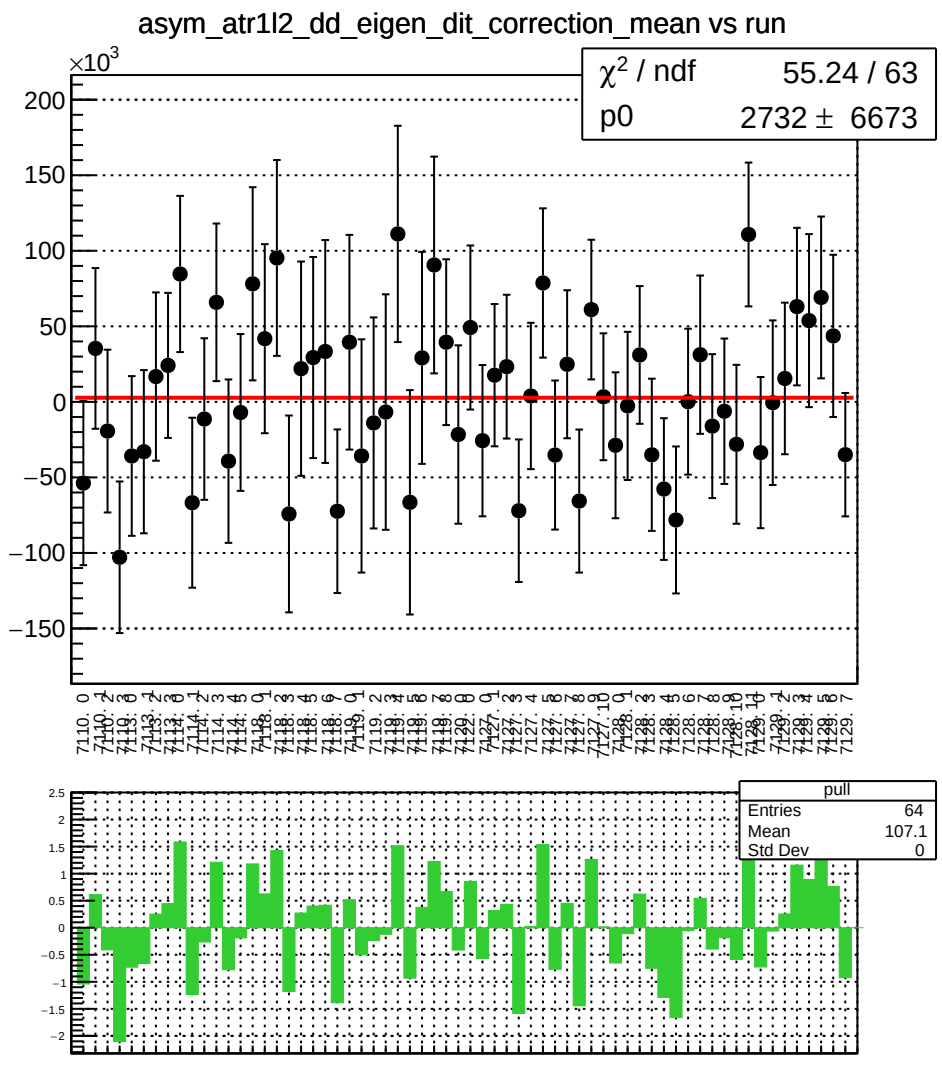

pull1D
Entries 64
Mean 0.02233
Std Dev 0.9288

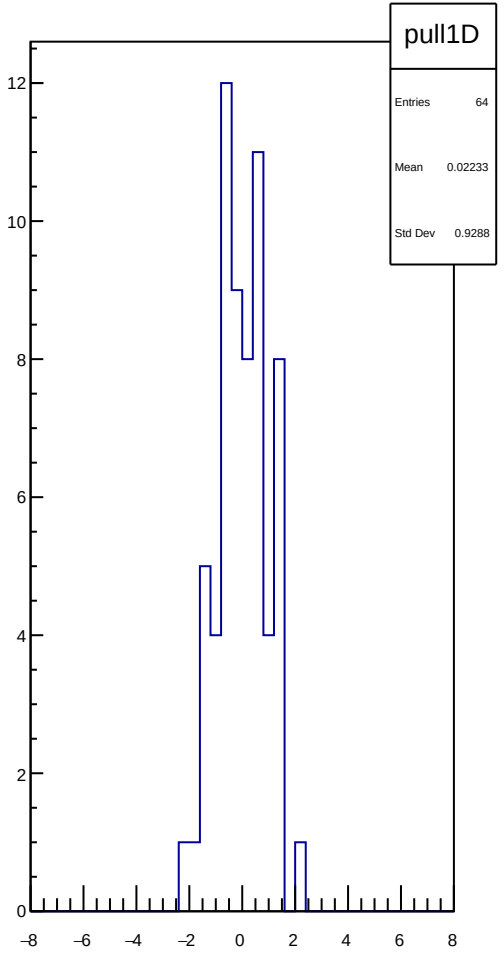

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 2.691e+04 / 63
p0 5167 ± 4.719
7500
7000
6500
6000
5500
5000
4500
4000

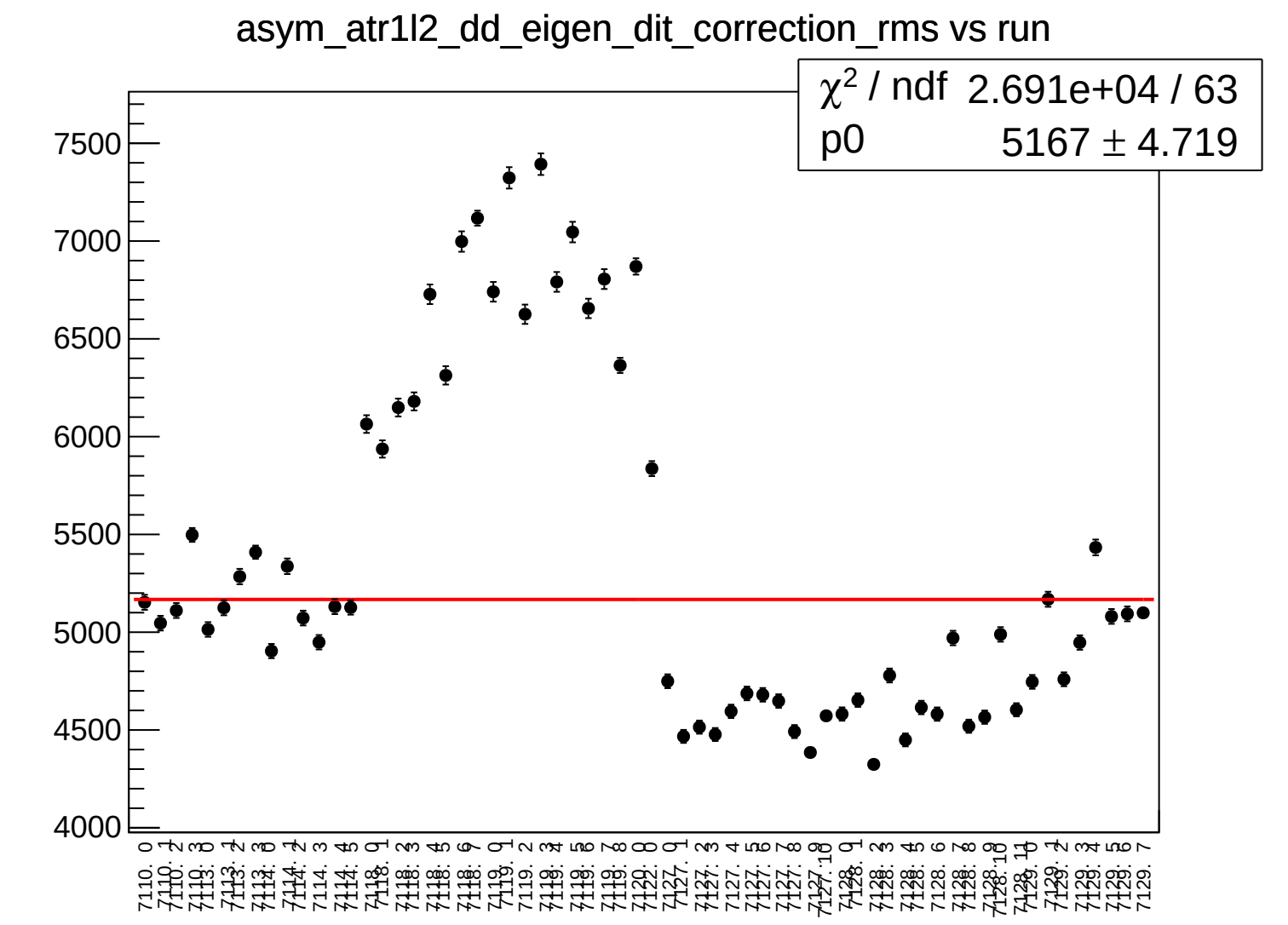

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 78.48 / 63
p0 −2661 ± 2436
pull
Entries 64
Mean 91.68
Std Dev 149.2

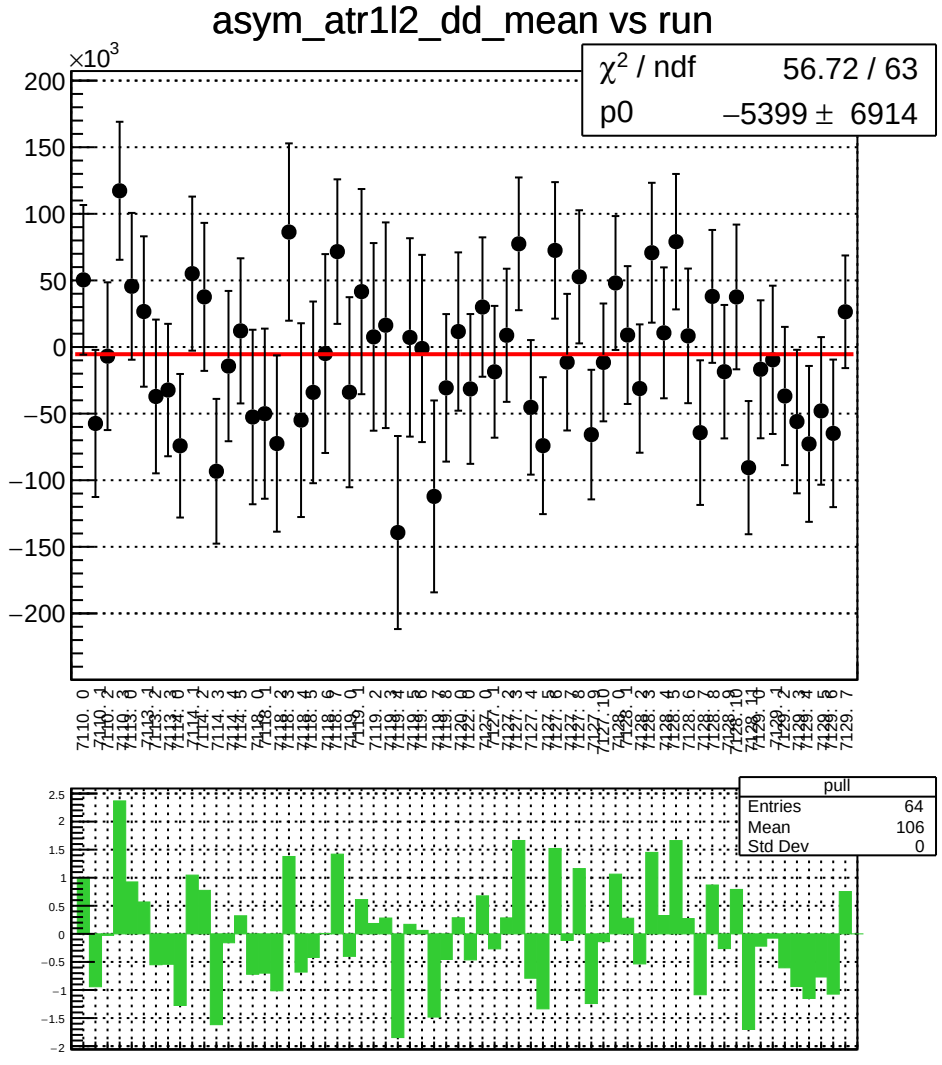

pull1D
Entries 64
Mean −0.002067
Std Dev 1.107

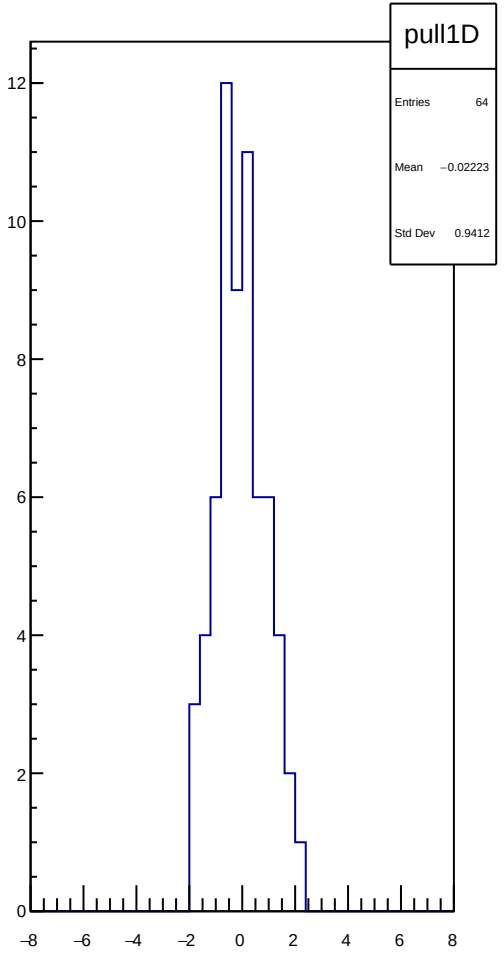

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 358.2 / 63
p0 1907 ± 1.723
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

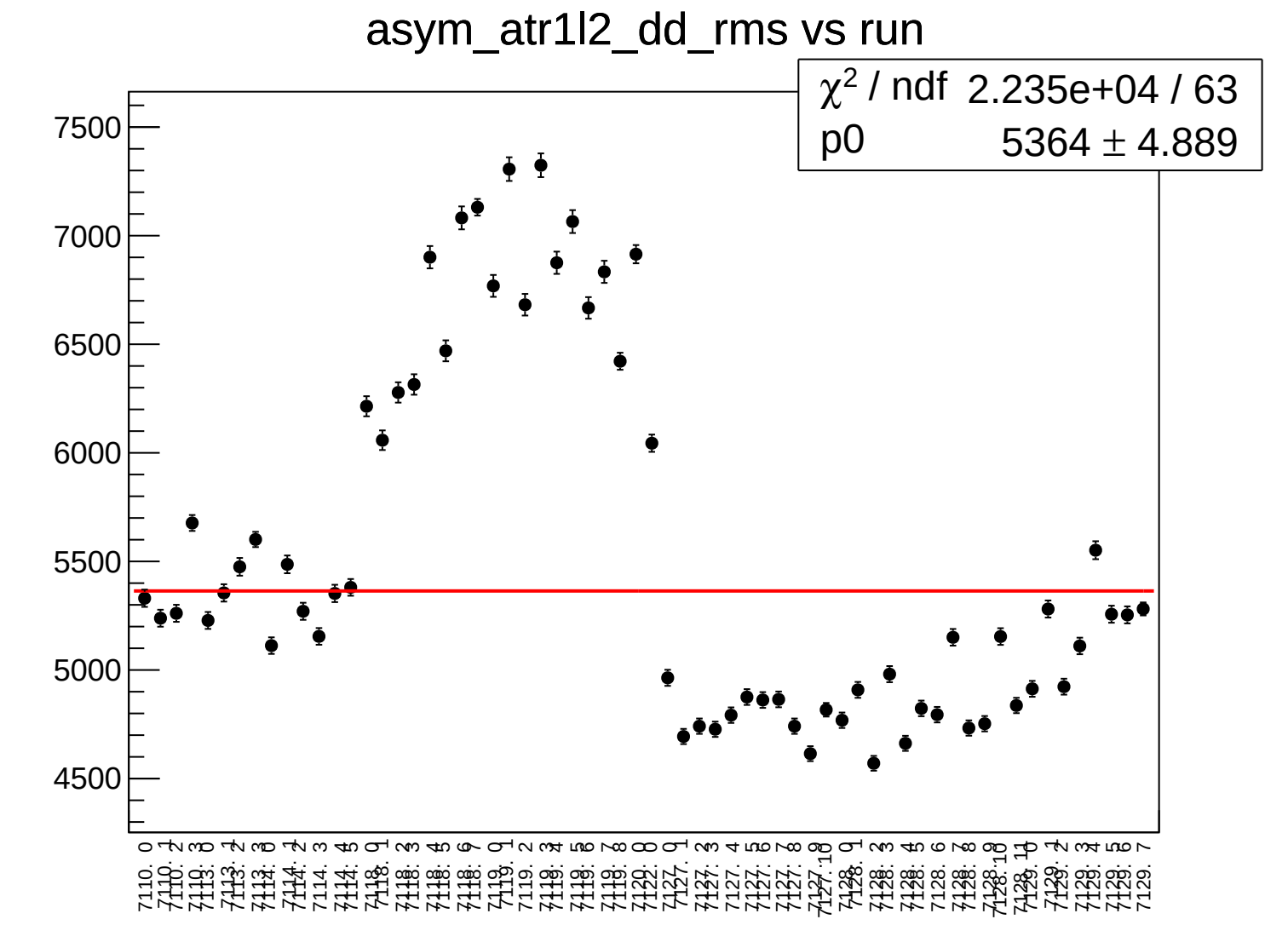

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.24 / 63
p0 2732 ± 6673
pull
Entries 64
Mean 107.1
Std Dev 0

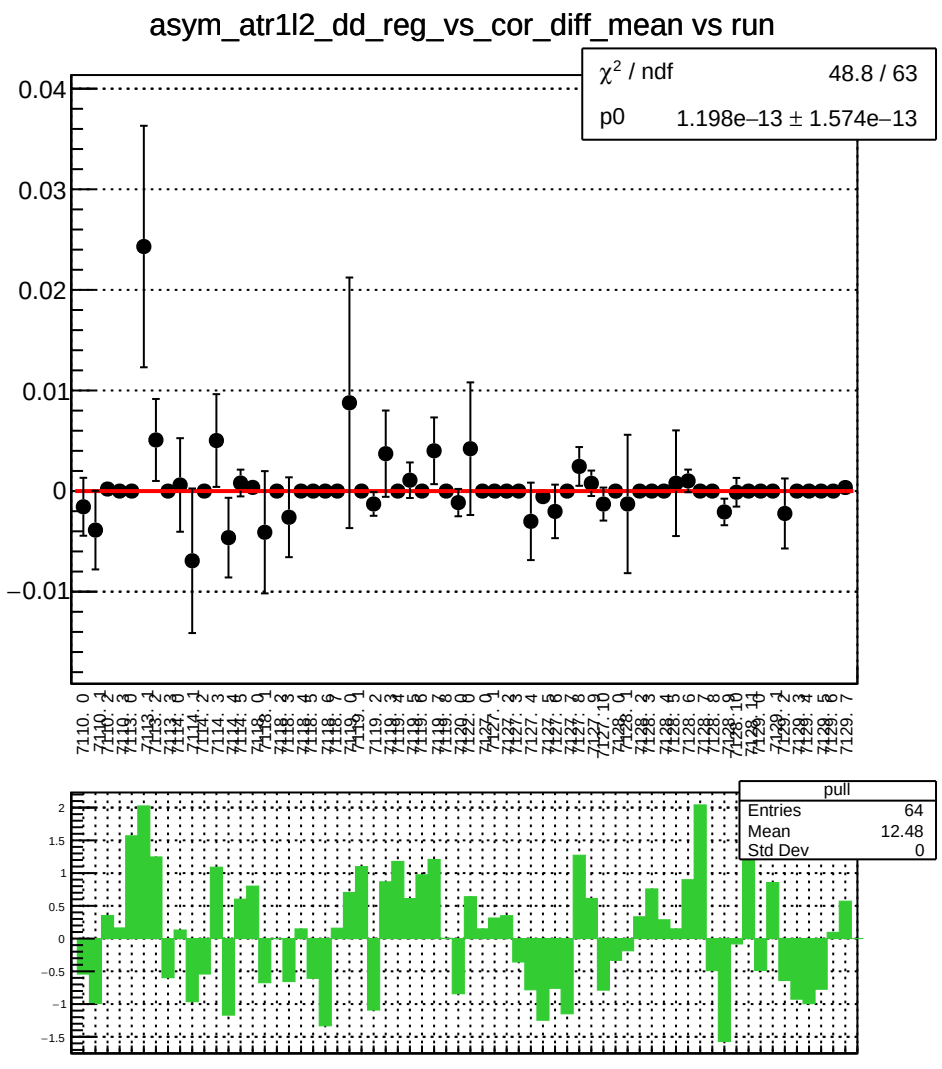

pull1D
Entries 64
Mean 0.02233
Std Dev 0.9288

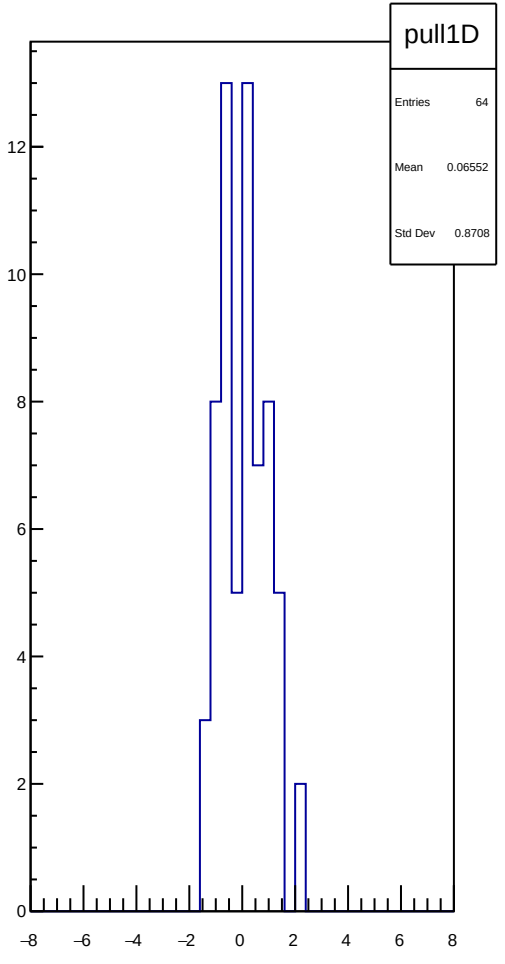

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.691e+04 / 63
p0 5167 ± 4.719
7500
7000
6500
6000
5500
5000
4500
4000

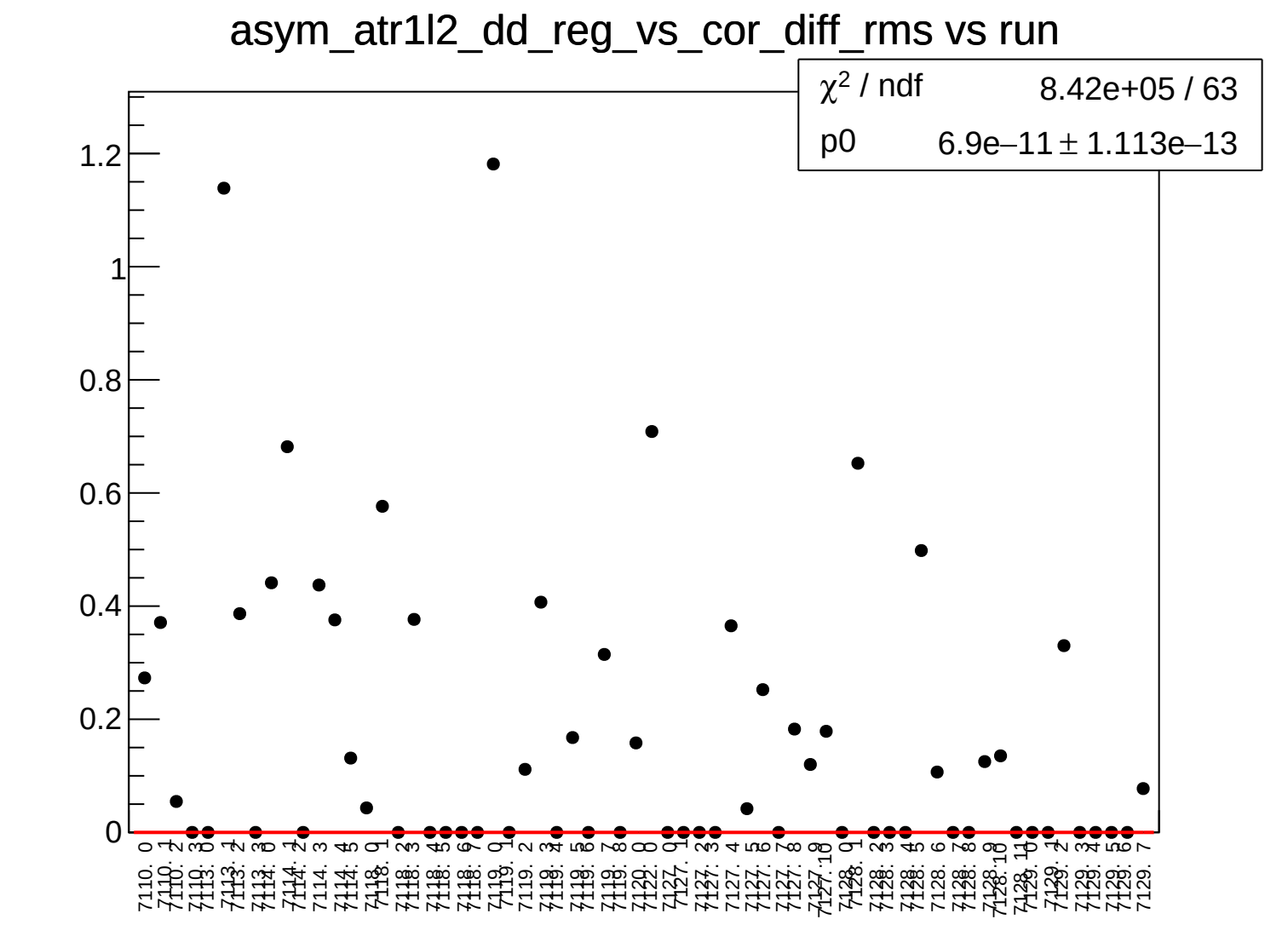

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 56.72 / 63
p0 −5399 ± 6914
pull
Entries 64
Mean 106
Std Dev 0

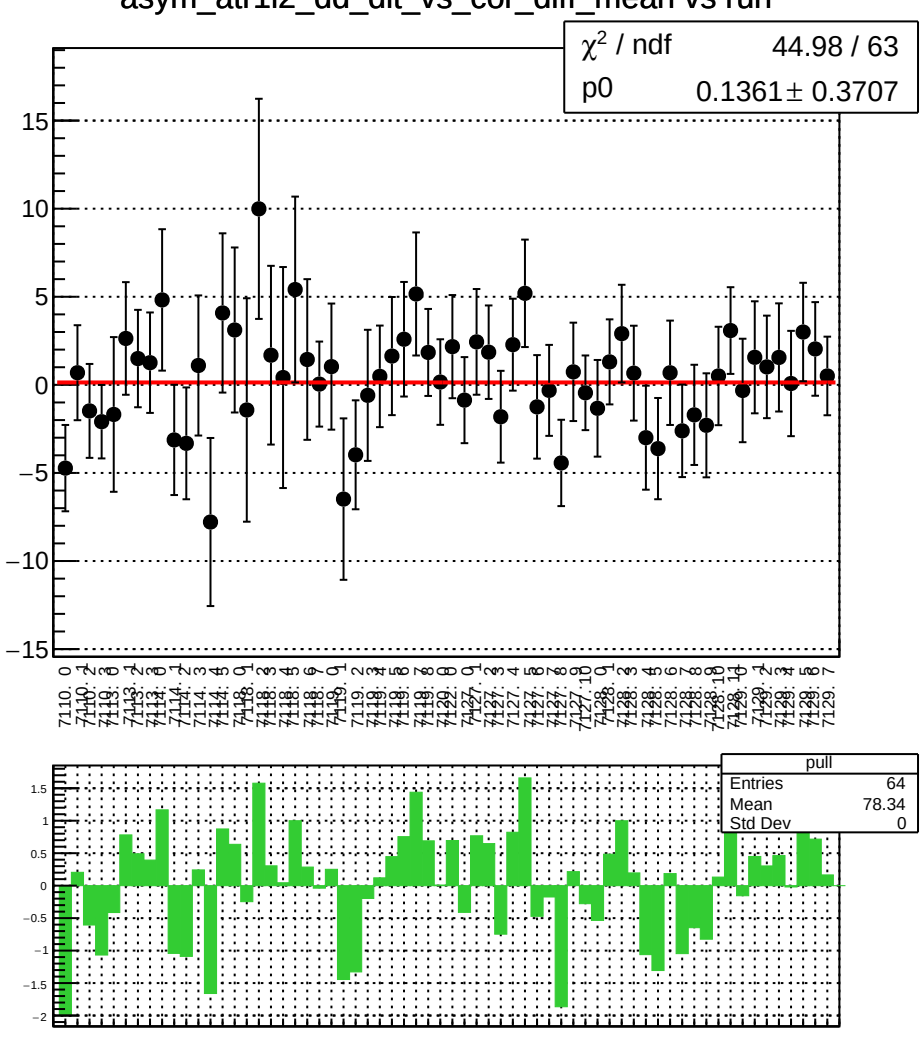

pull1D
Entries 64
Mean −0.02223
Std Dev 0.9412

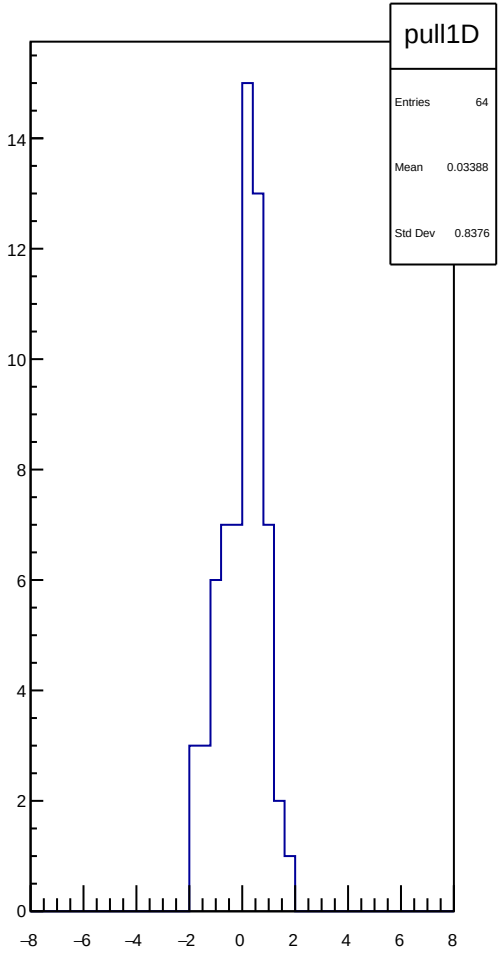

asym_atr1l2_dd_rms vs run
χ² / ndf 2.235e+04 / 63
p0 5364 ± 4.889
7500
7000
6500
6000
5500
5000
4500

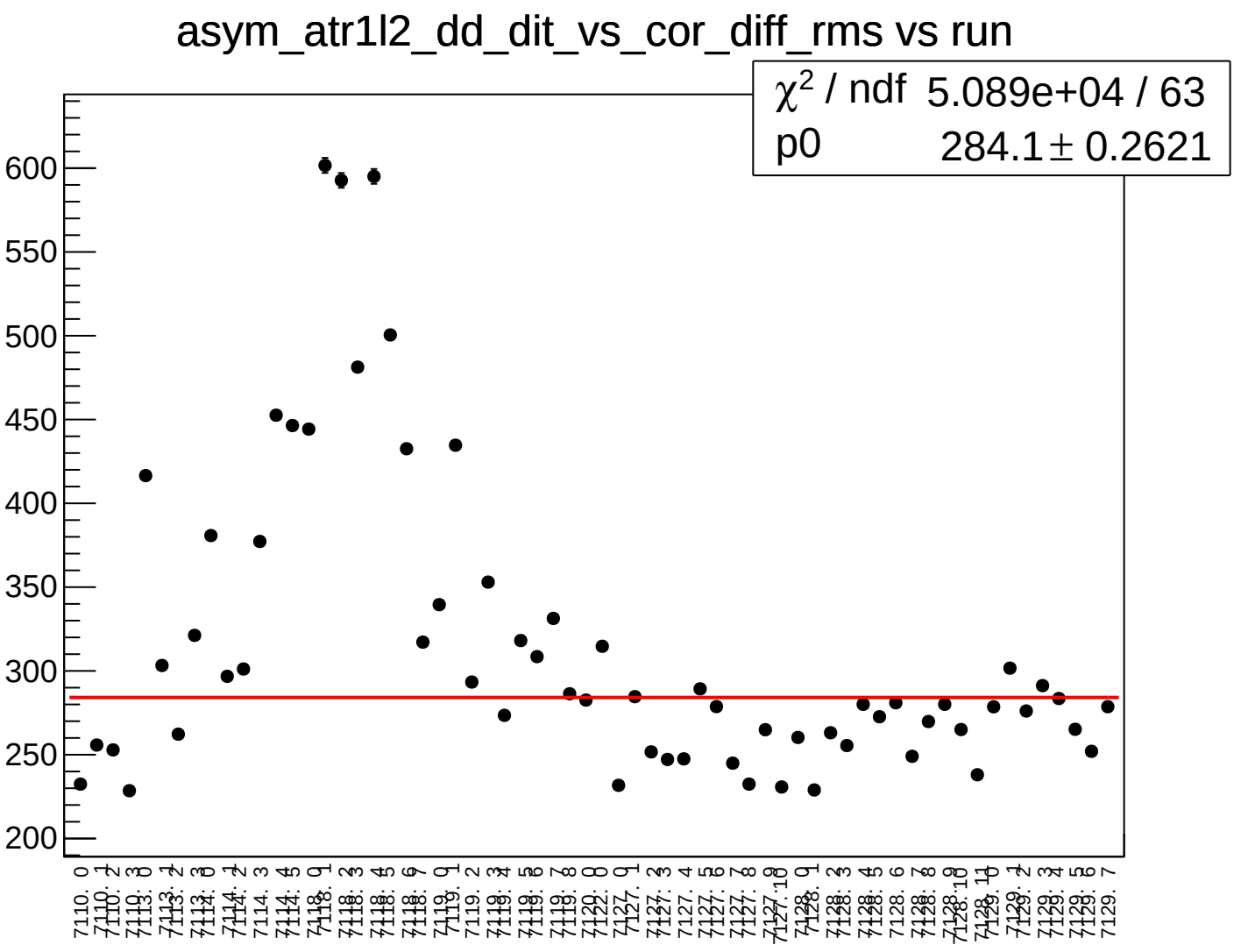

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.8 / 63
p0 1.198e−13 ± 1.574e−13
pull
Entries 64
Mean 12.48
Std Dev 0

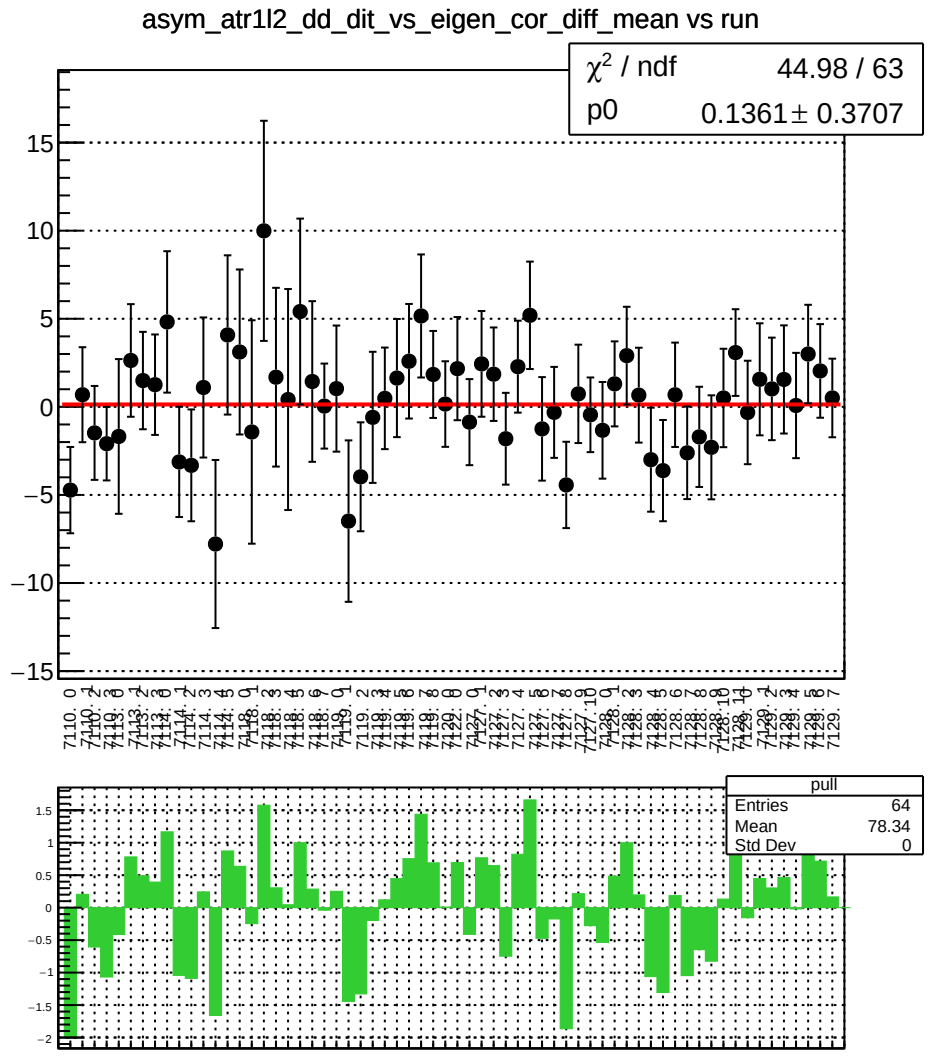

pull1D
Entries 64
Mean 0.06552
Std Dev 0.8708

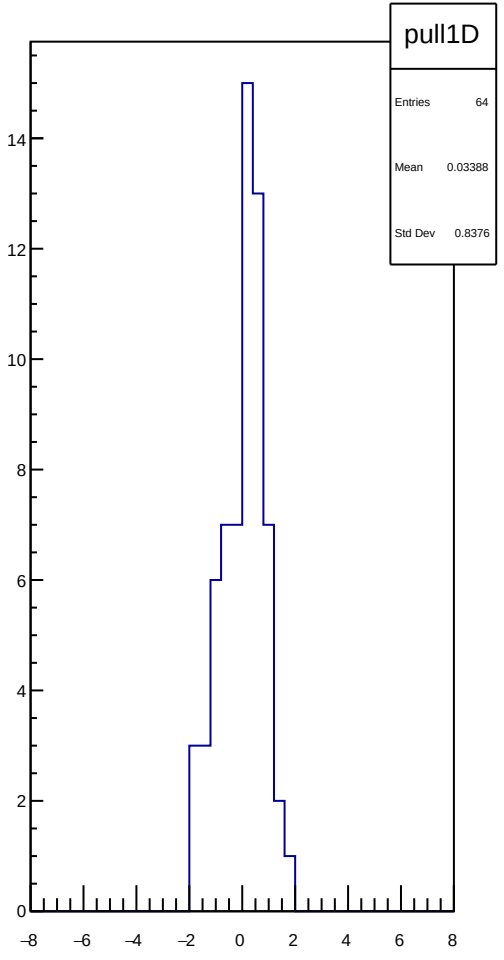

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.42e+05 / 63
p0 6.9e−11 ± 1.113e−13
1.2
1
0.8
0.6
0.4
0.2
0

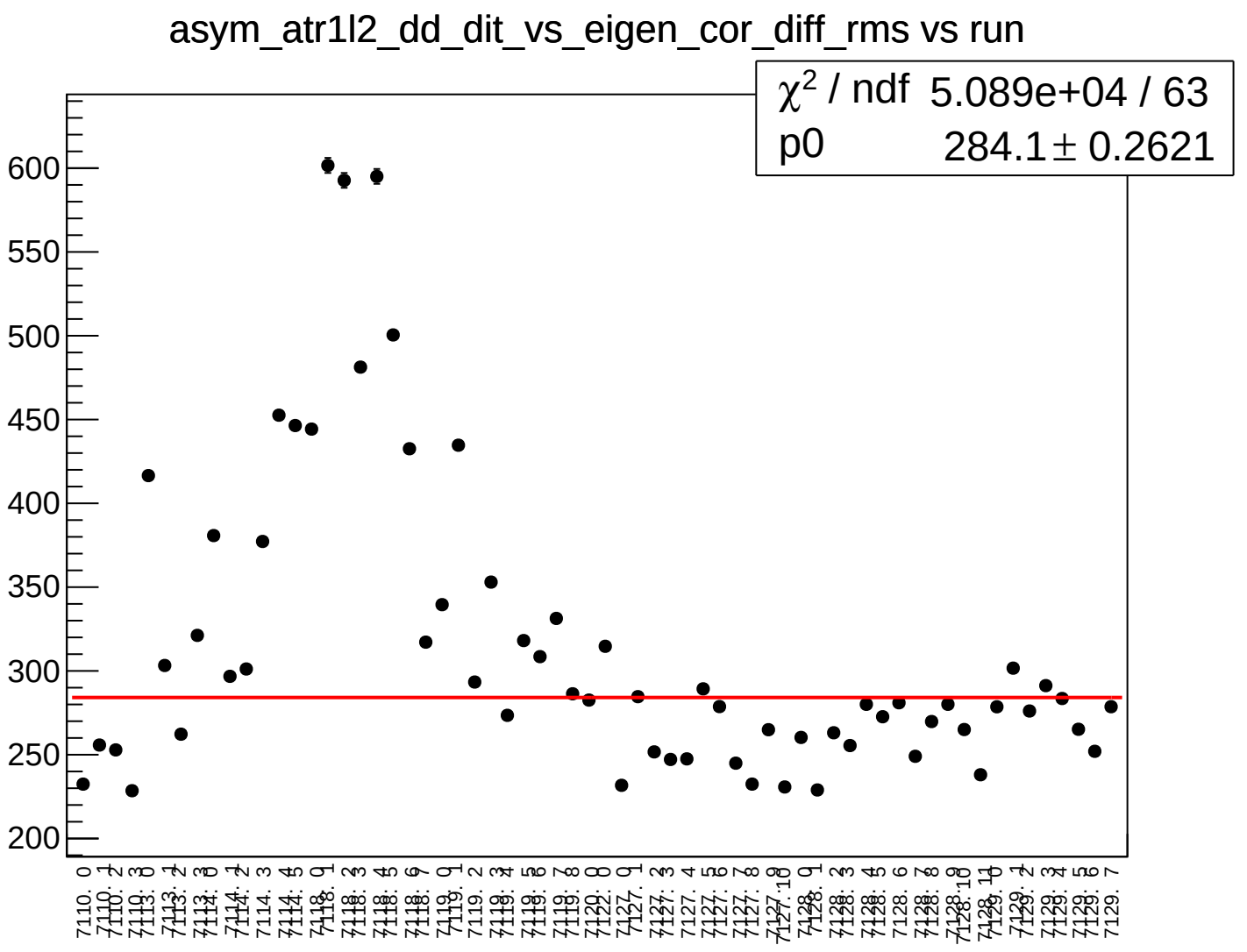

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.98 / 63
p0 0.1361 ± 0.3707
pull
Entries 64
Mean 78.34
Std Dev 0

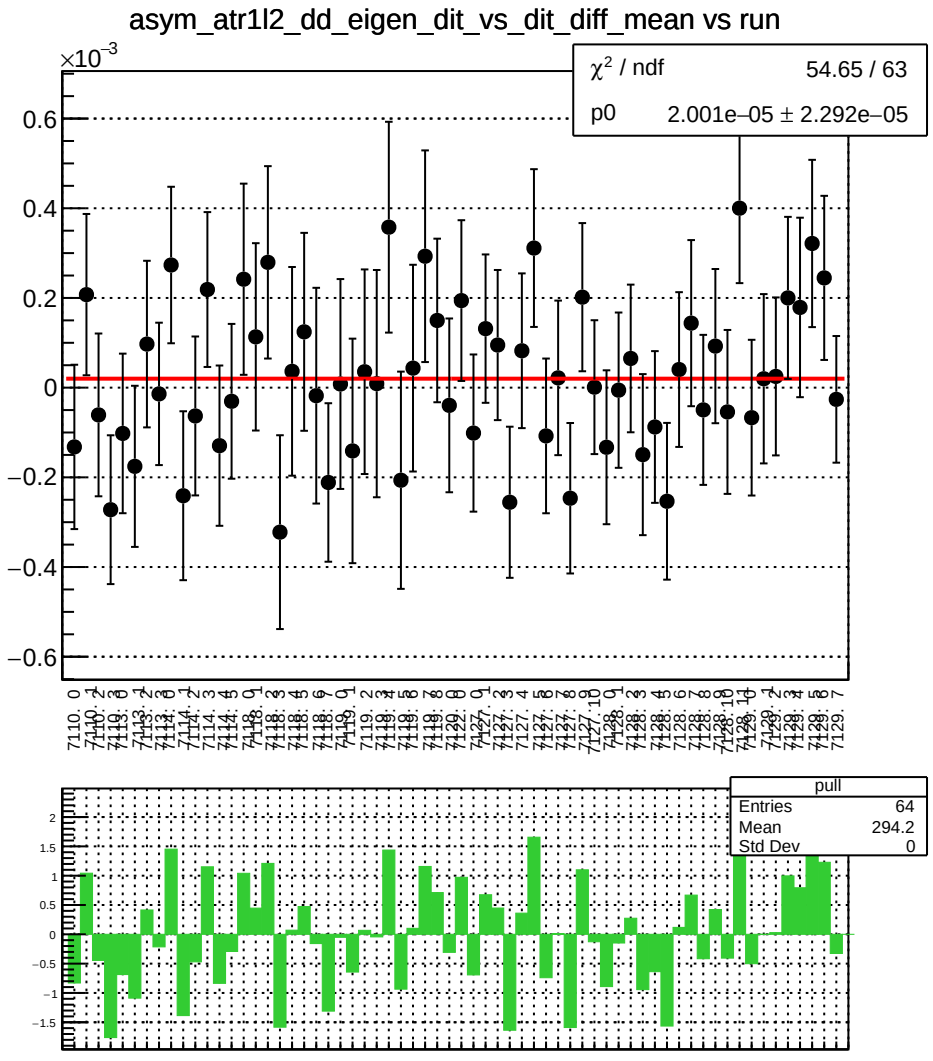

pull1D
Entries 64
Mean 0.03388
Std Dev 0.8376

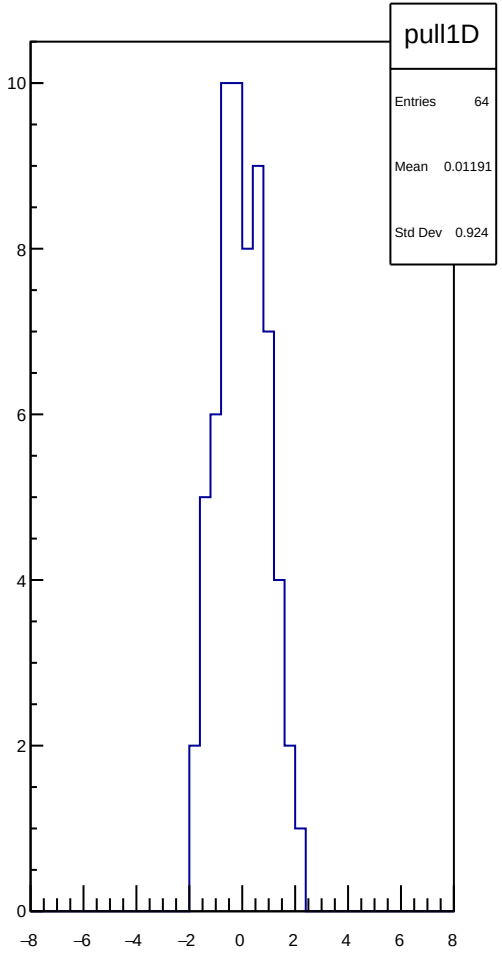

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.089e+04 / 63
p0 284.1 ± 0.2621
600
550
500
450
400
350
300
250
200

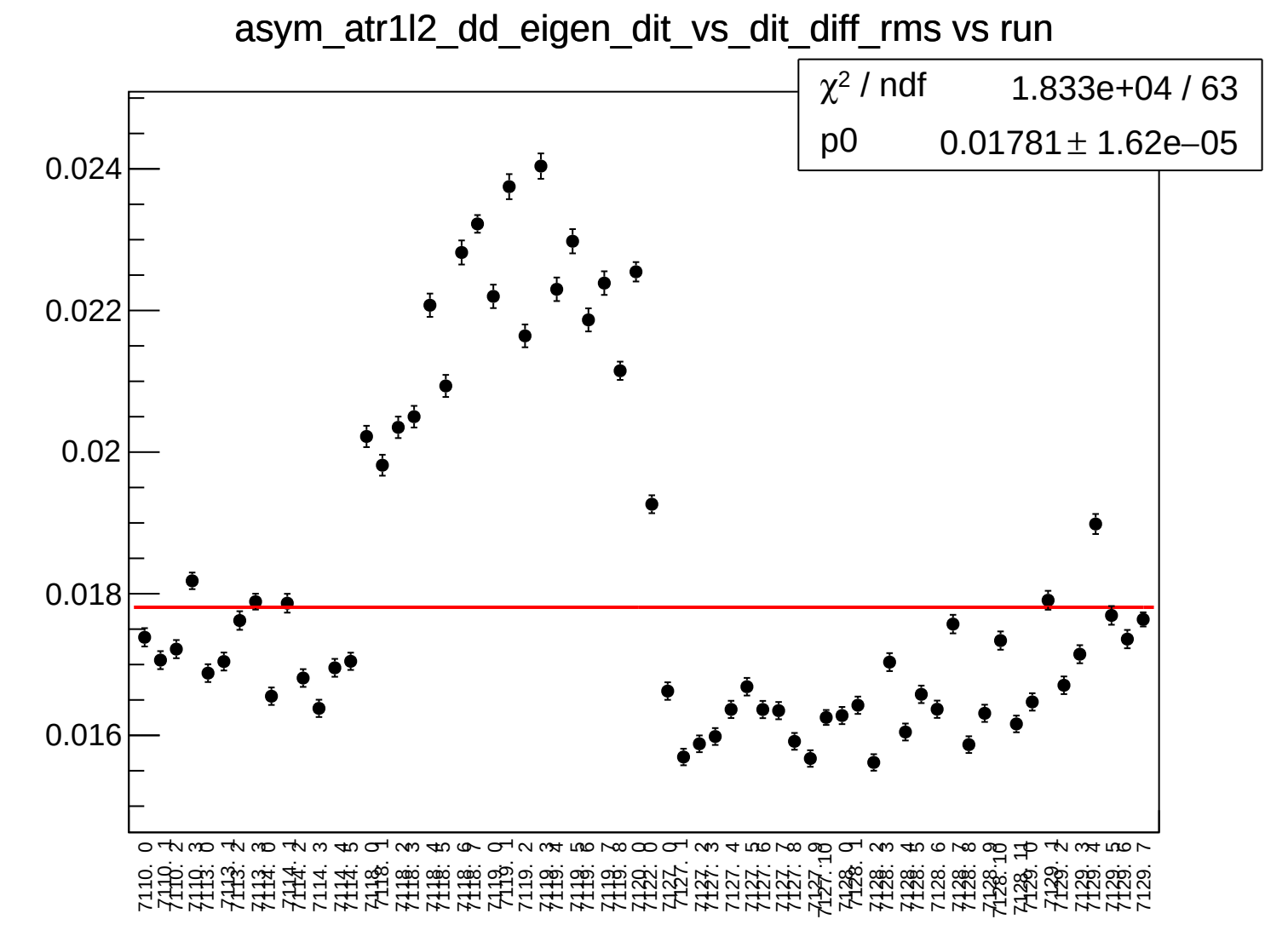

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.98 / 63
p0 0.1361 ± 0.3707
pull
Entries 64
Mean 78.34
Std Dev 0

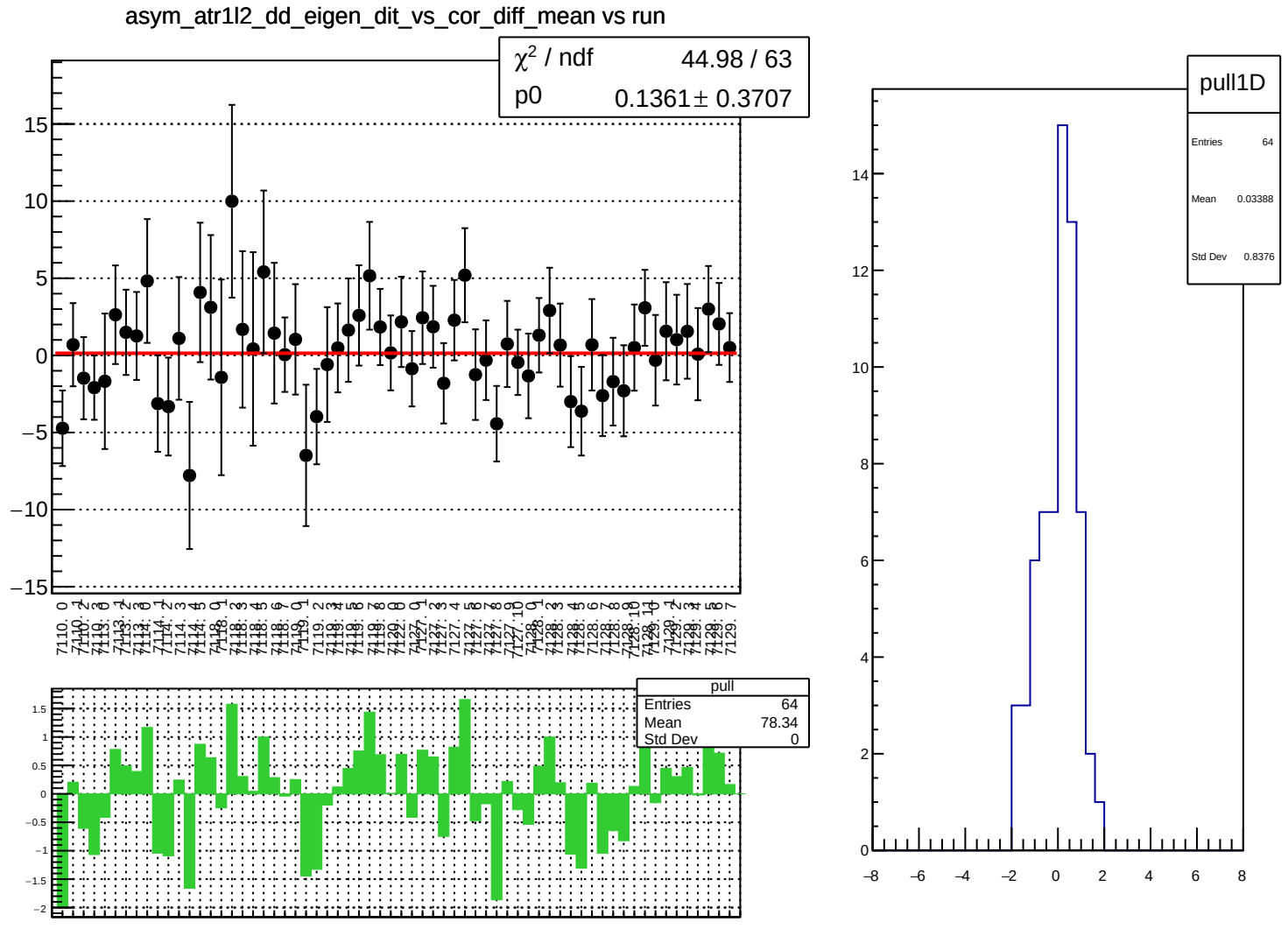

pull1D
Entries 64
Mean 0.03388
Std Dev 0.8376

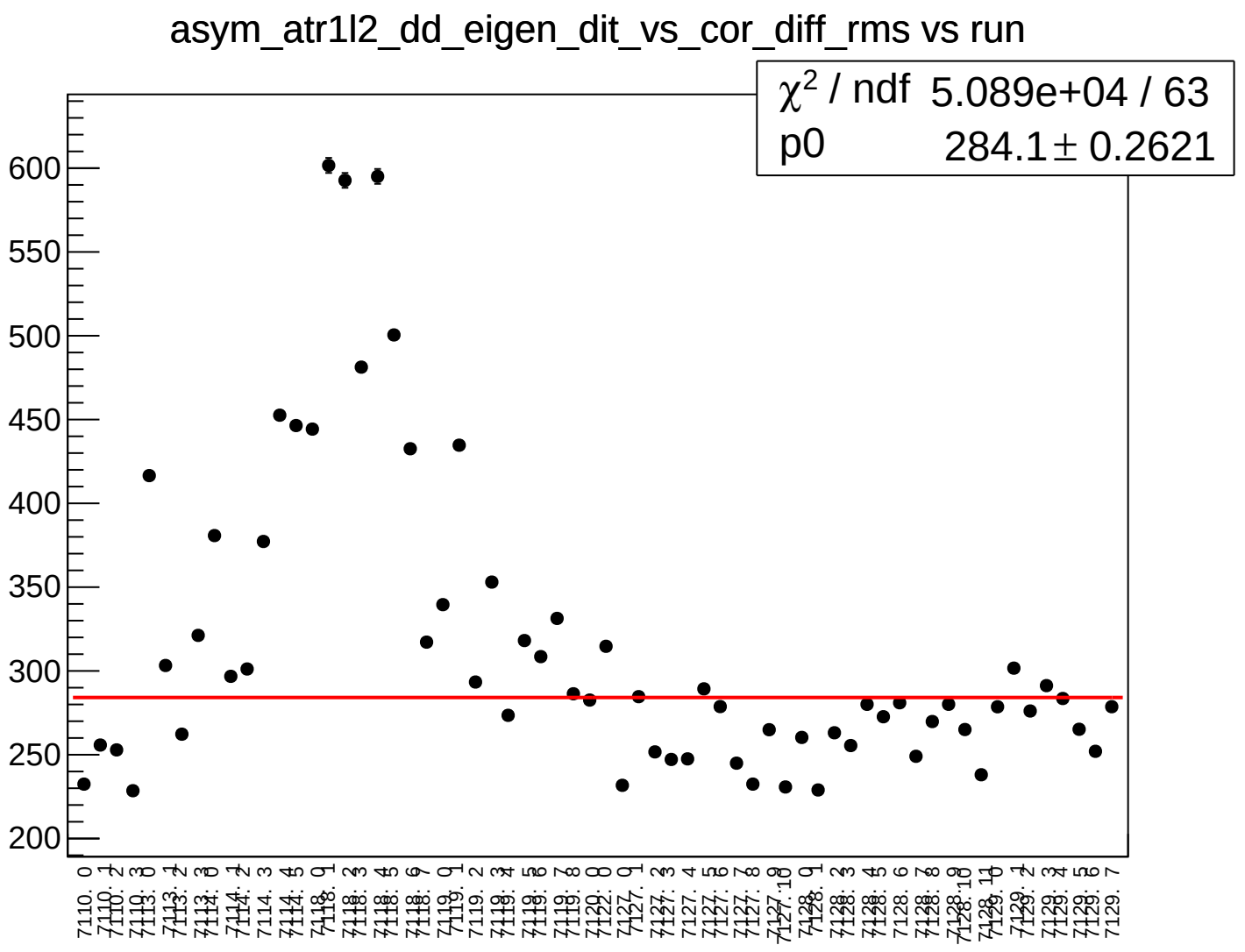

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.089e+04 / 63
p0 284.1 ± 0.2621
600
550
500
450
400
350
300
250
200

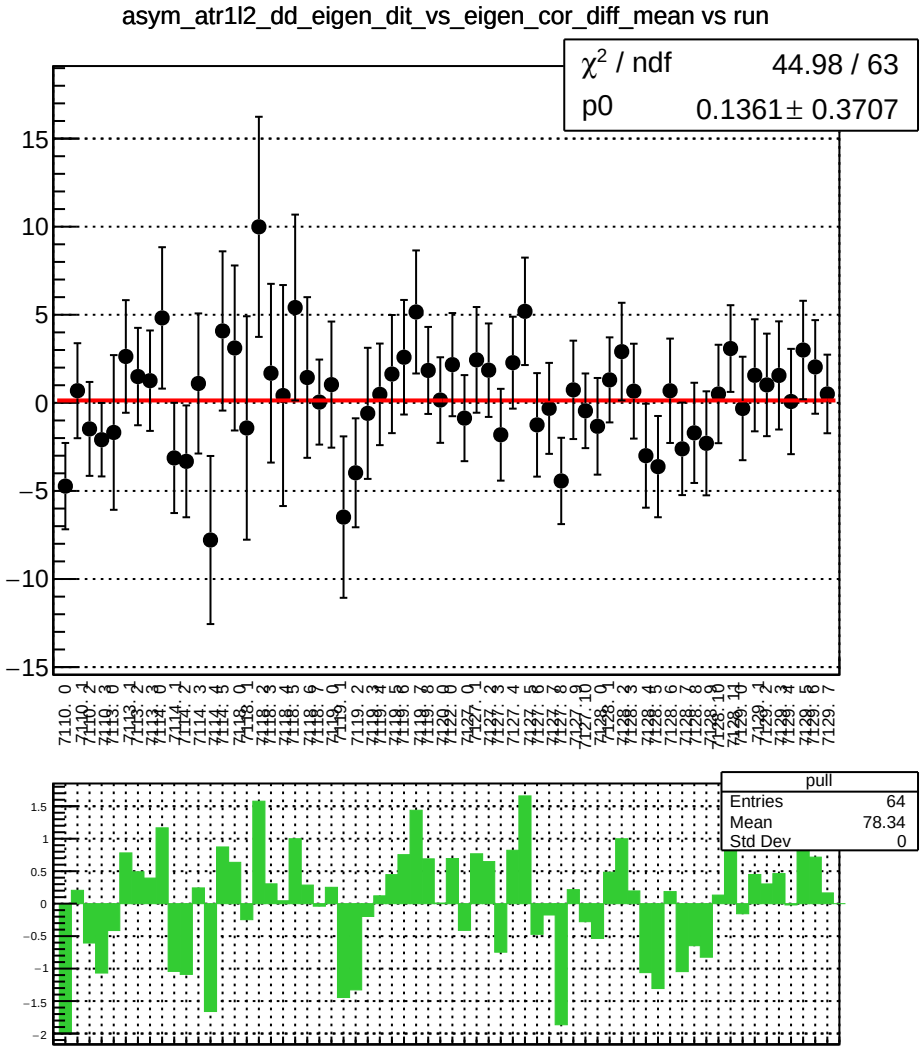

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.65 / 63
p0 2.001e−05 ± 2.292e−05
pull
Entries 64
Mean 294.2
Std Dev 0

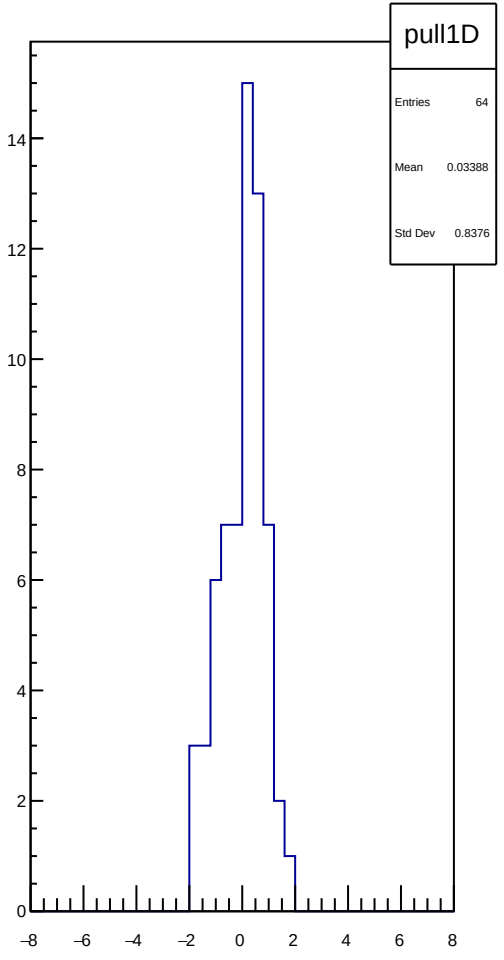

pull1D
Entries 64
Mean 0.01191
Std Dev 0.924

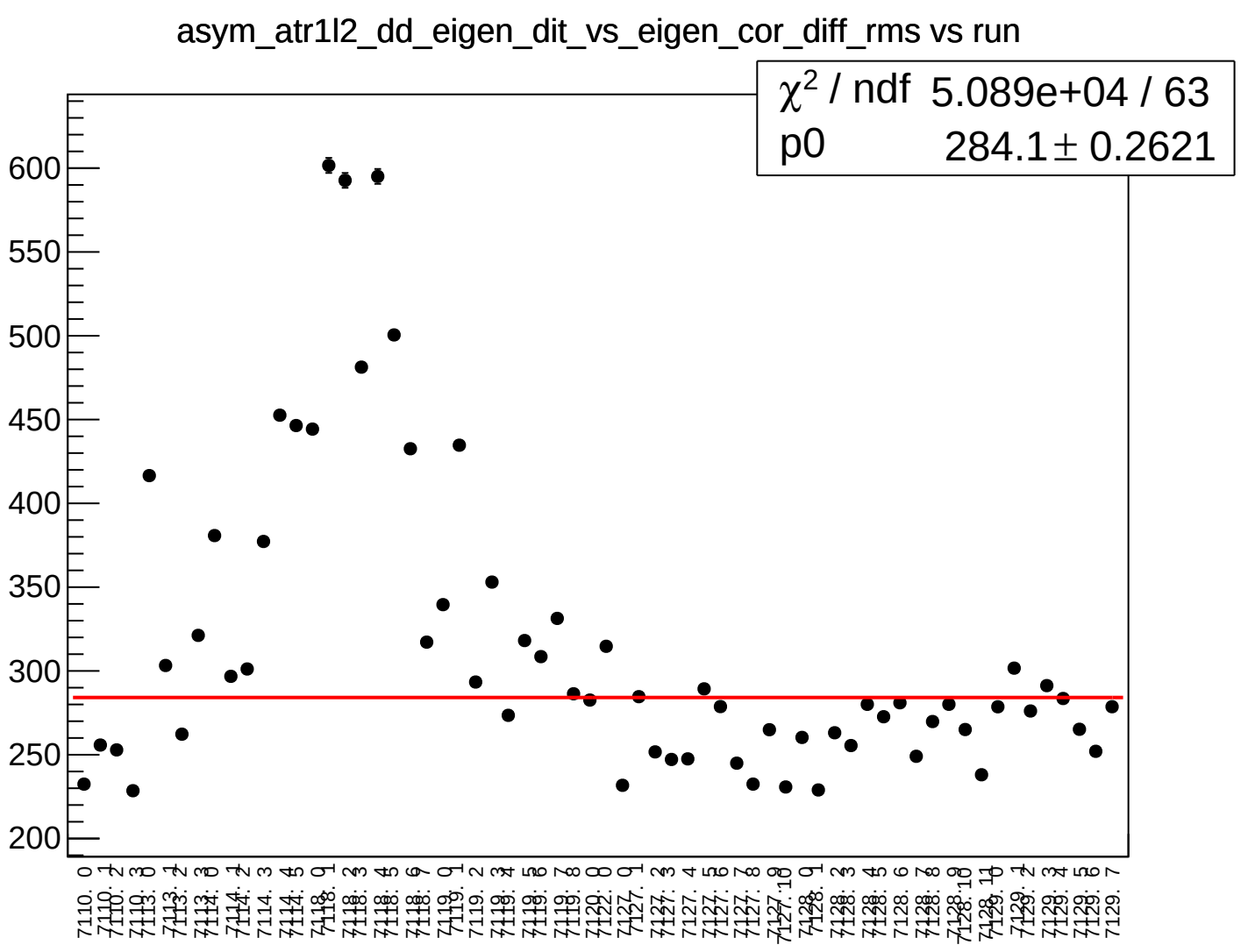

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.833e+04 / 63
p0 0.01781 ± 1.62e−05
0.024
0.022
0.02
0.018
0.016

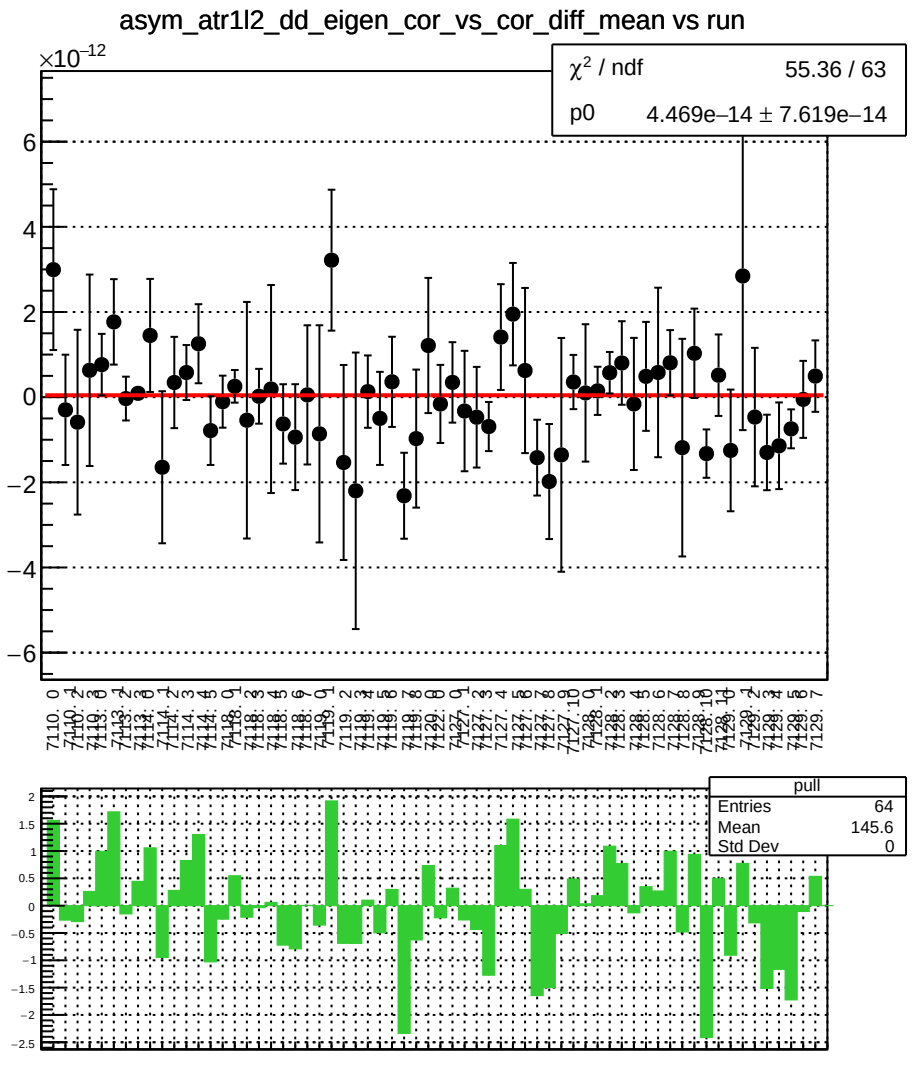

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.98 / 63
p0 0.1361 ± 0.3707
pull
Entries 64
Mean 78.34
Std Dev 0
pull1D
Entries 64
Mean 0.03388
Std Dev 0.8376

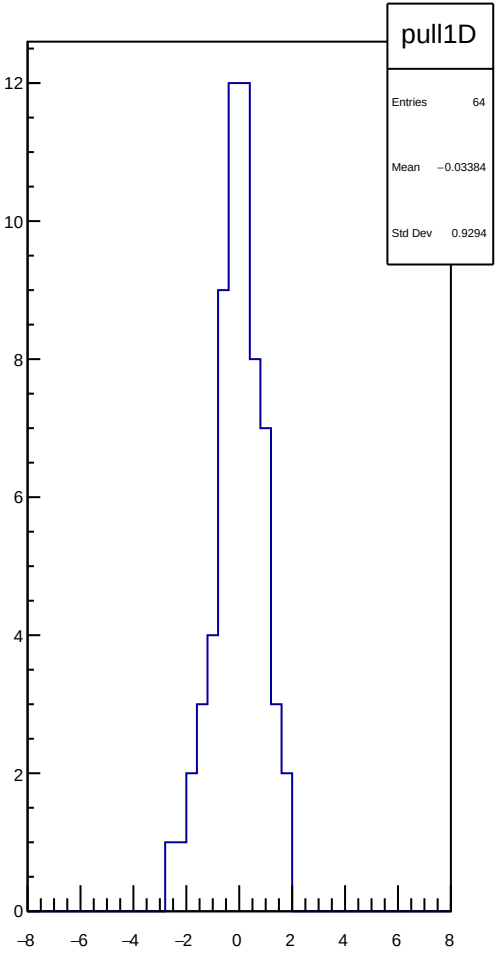

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.089e+04 / 63
p0 284.1 ± 0.2621
600
550
500
450
400
350
300
250
200

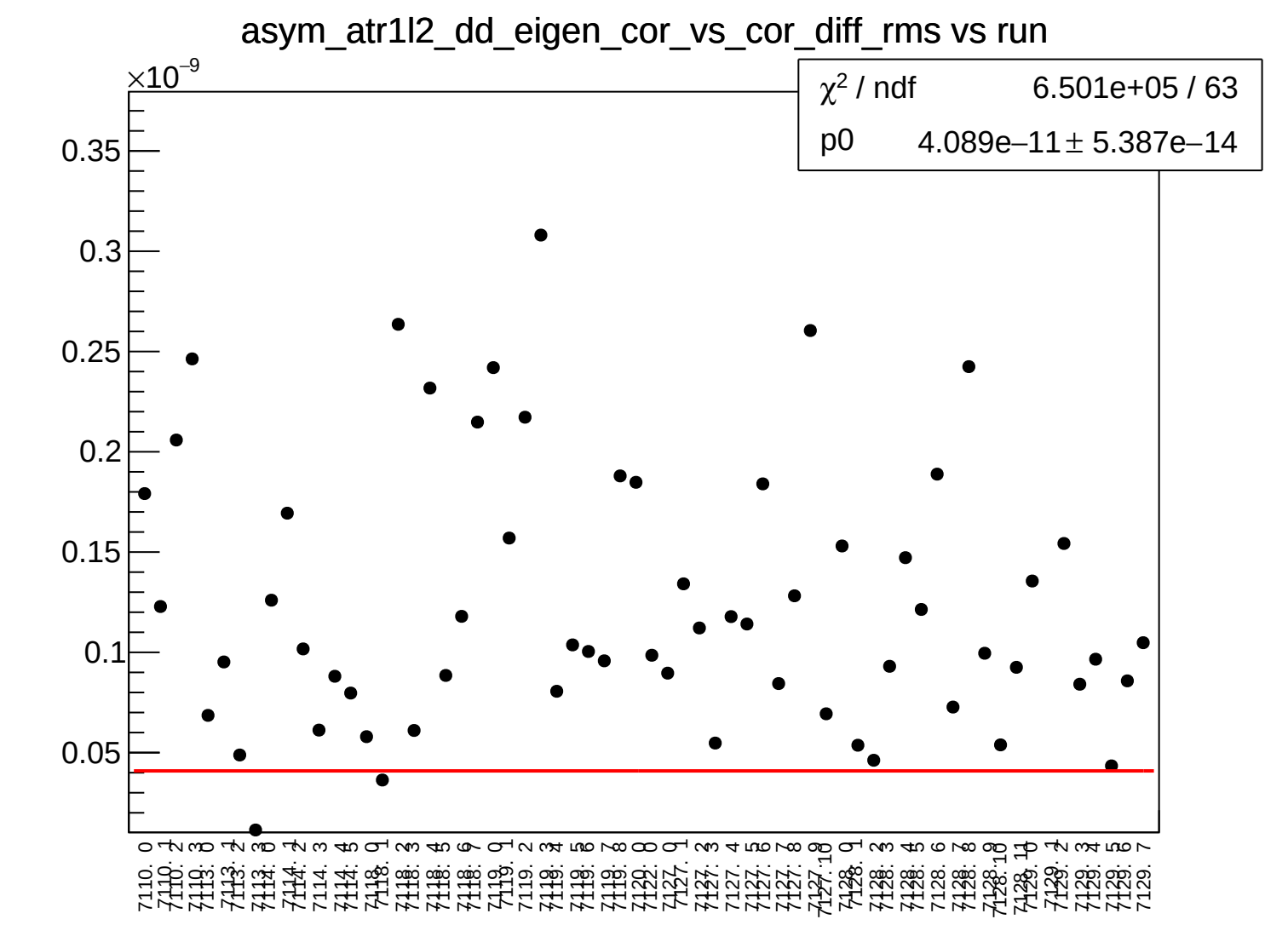

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.98 / 63
p0 0.1361 ± 0.3707
pull
Entries 64
Mean 78.34
Std Dev 0

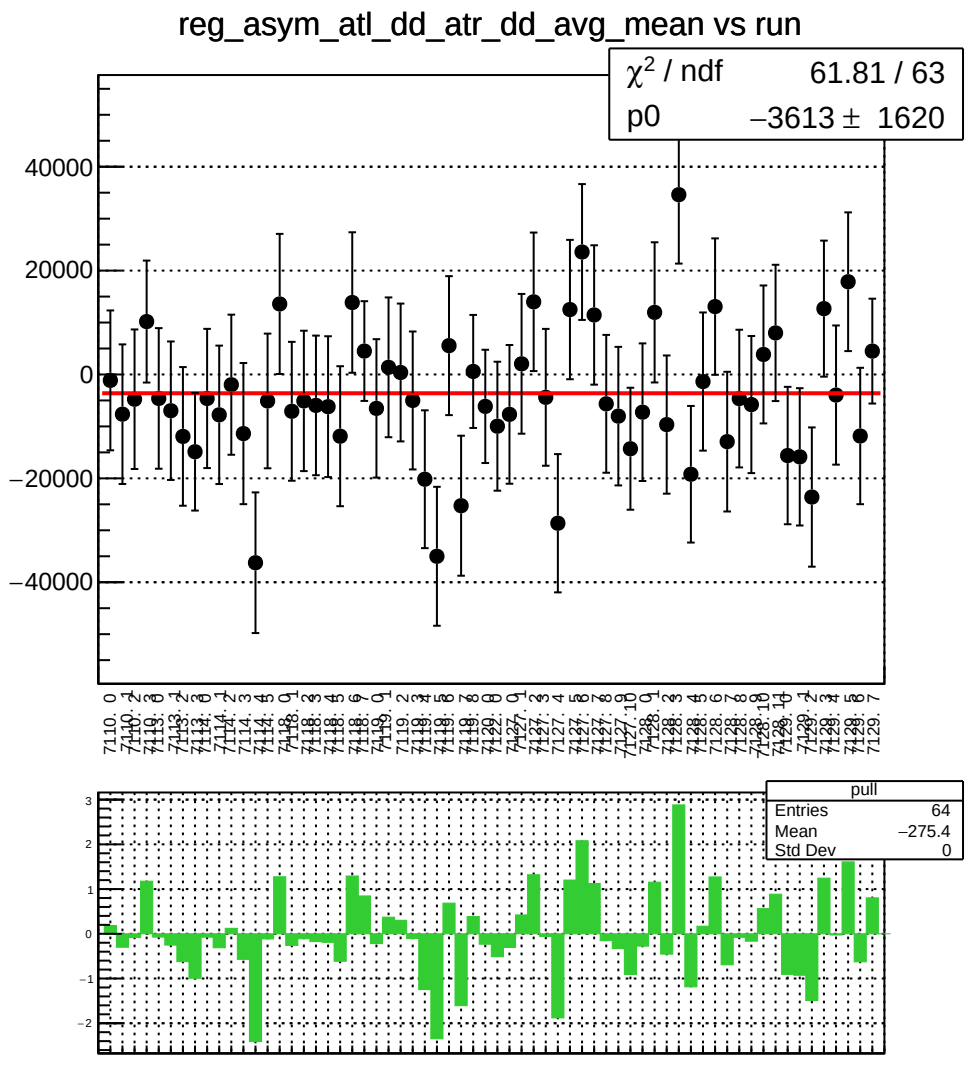

pull1D
Entries 64
Mean 0.03388
Std Dev 0.8376

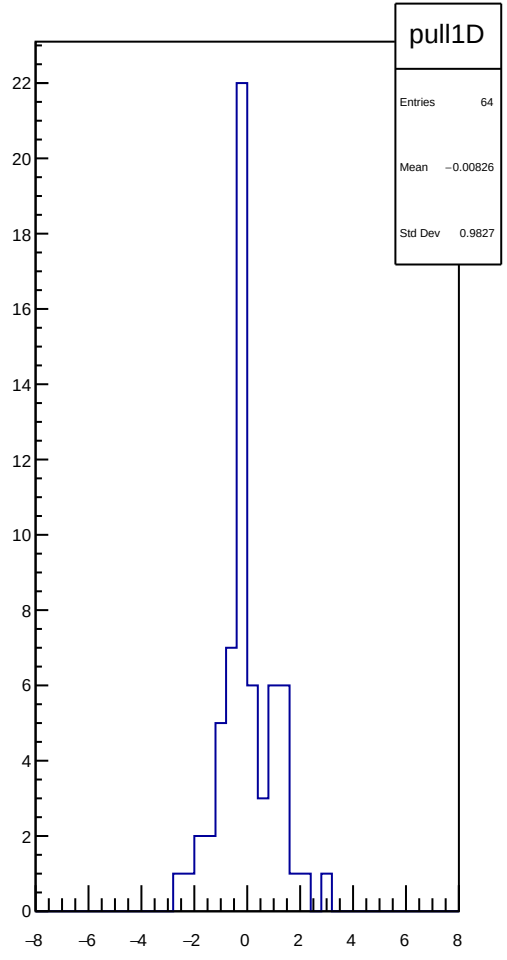

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.089e+04 / 63
p0 284.1 ± 0.2621
600
550
500
450
400
350
300
250
200

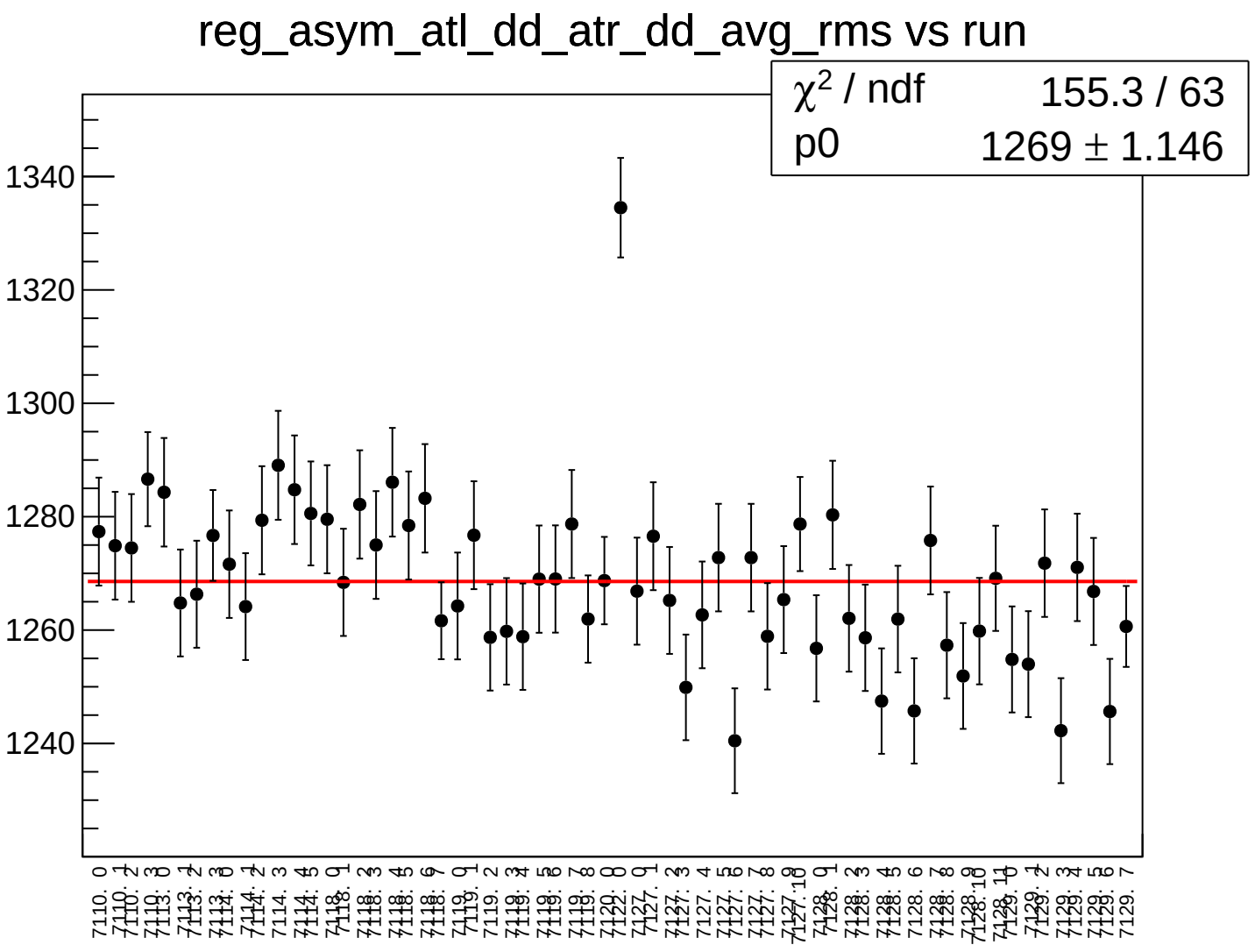

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.36 / 63
p0 4.469e−14 ± 7.619e−14
pull
Entries 64
Mean 145.6
Std Dev 0

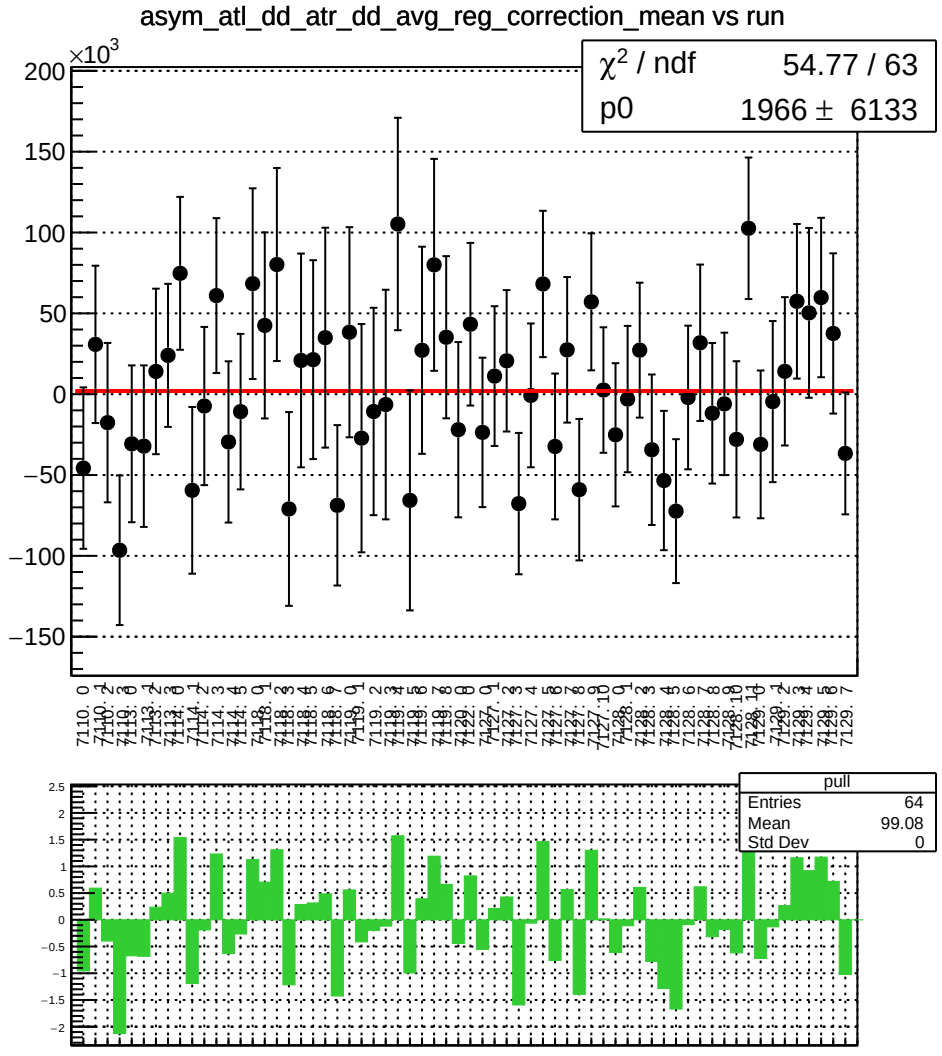

pull1D
Entries 64
Mean −0.03384
Std Dev 0.9294

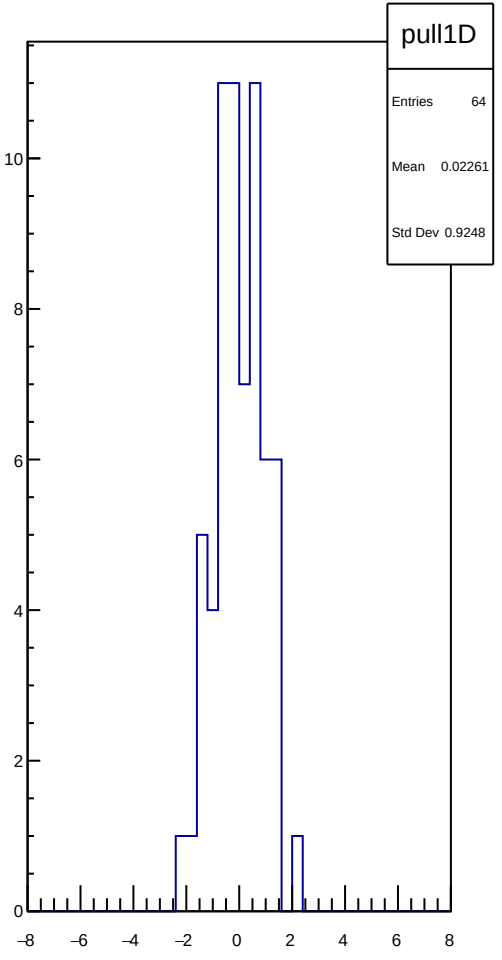

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.501e+05 / 63
p0 4.089e−11 ± 5.387e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

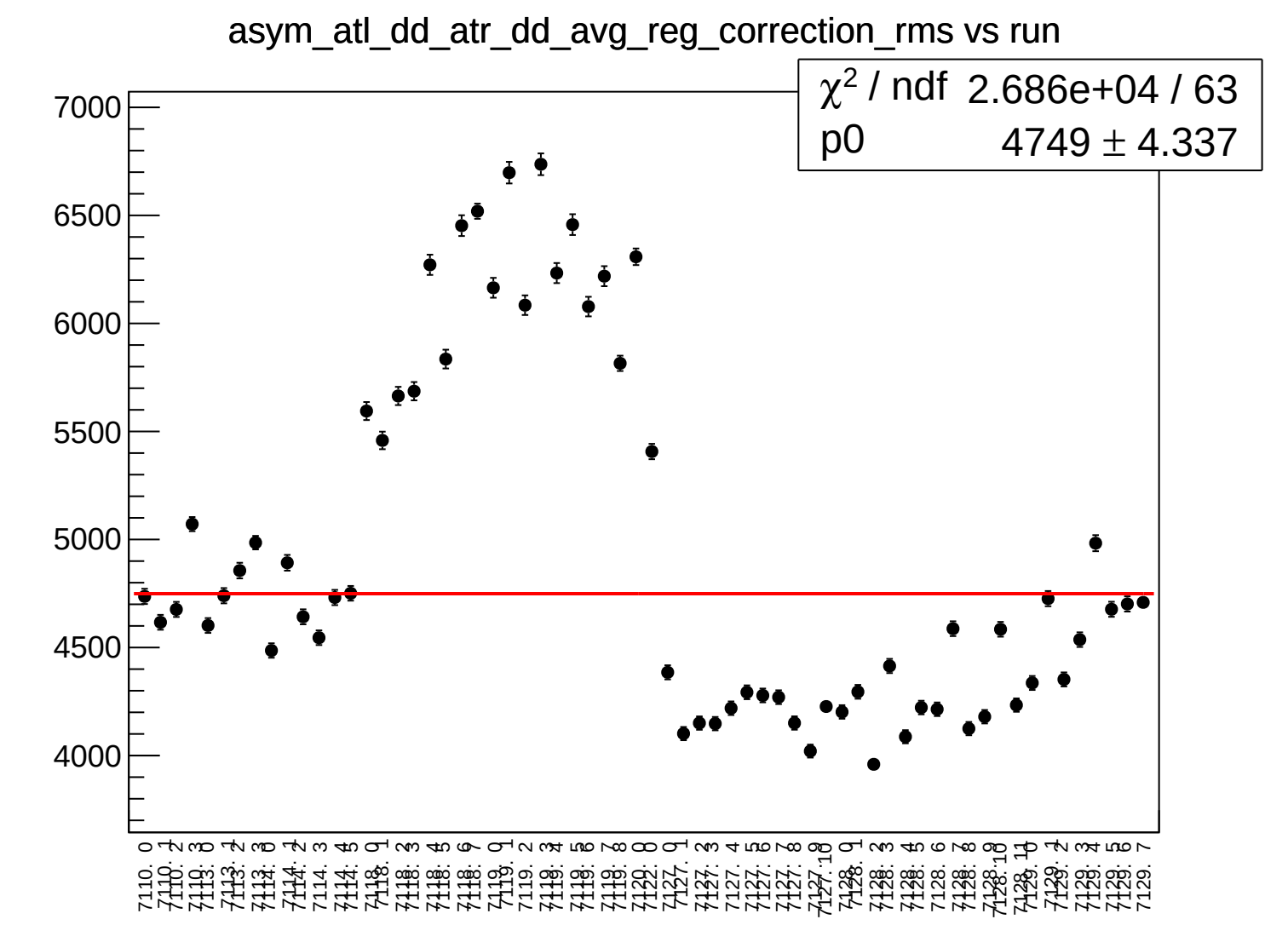

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 61.81 / 63
p0 −3613 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.4
Std Dev 0
3
2
1
0
−1
−2

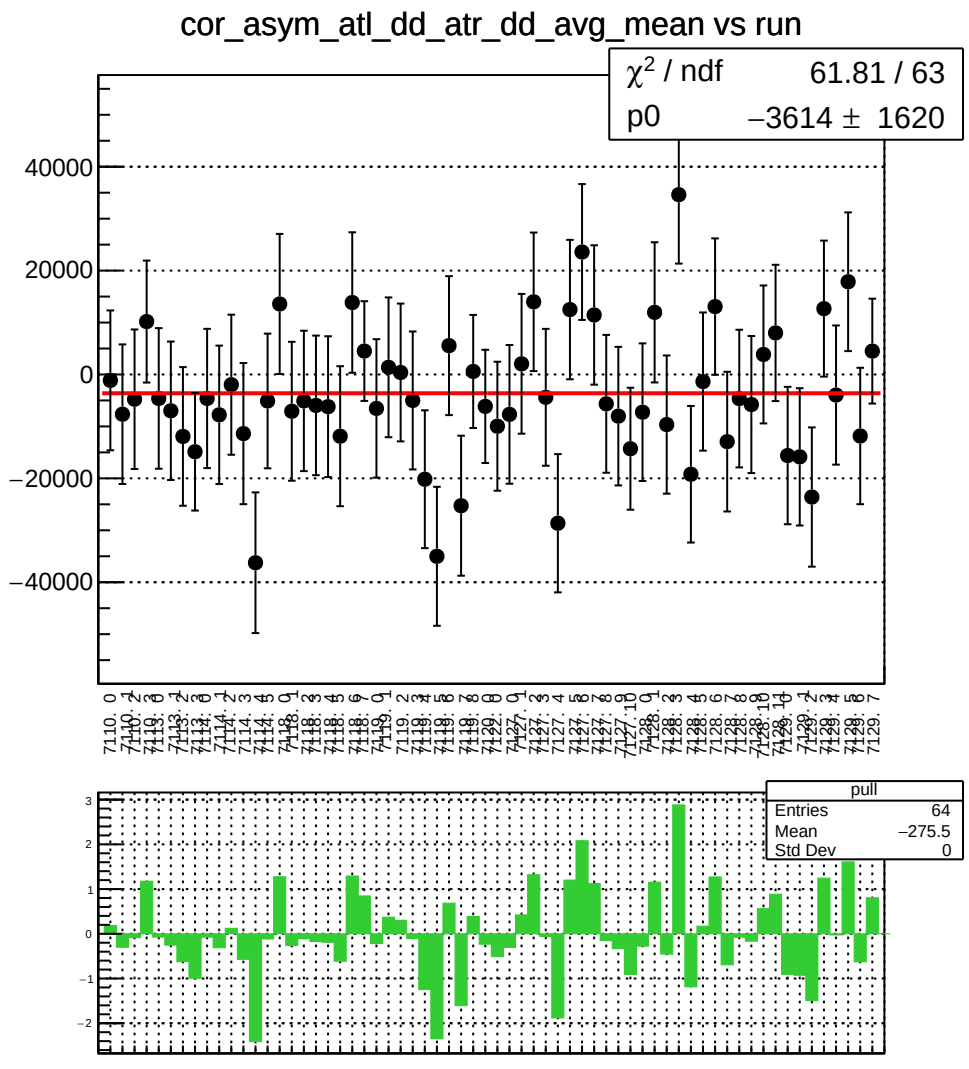

pull1D
Entries 64
Mean −0.00826
Std Dev 0.9827
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

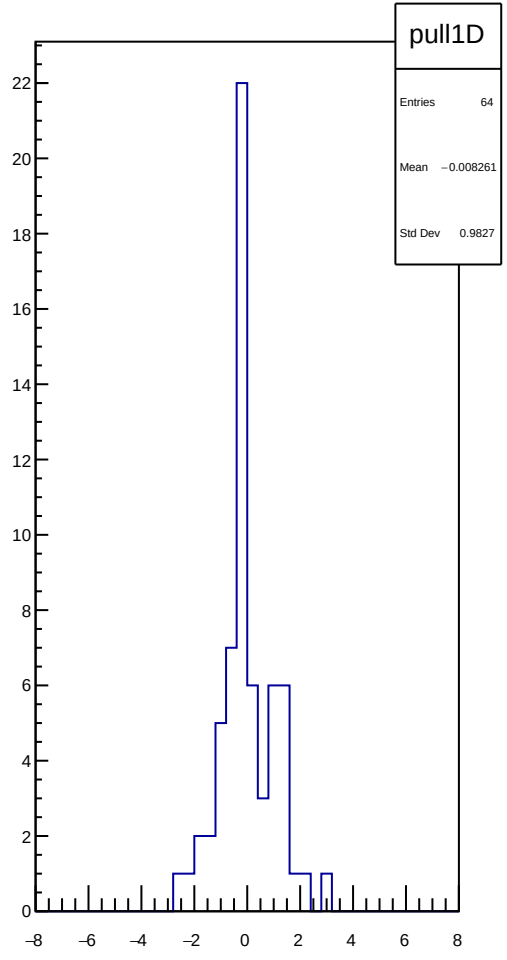

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

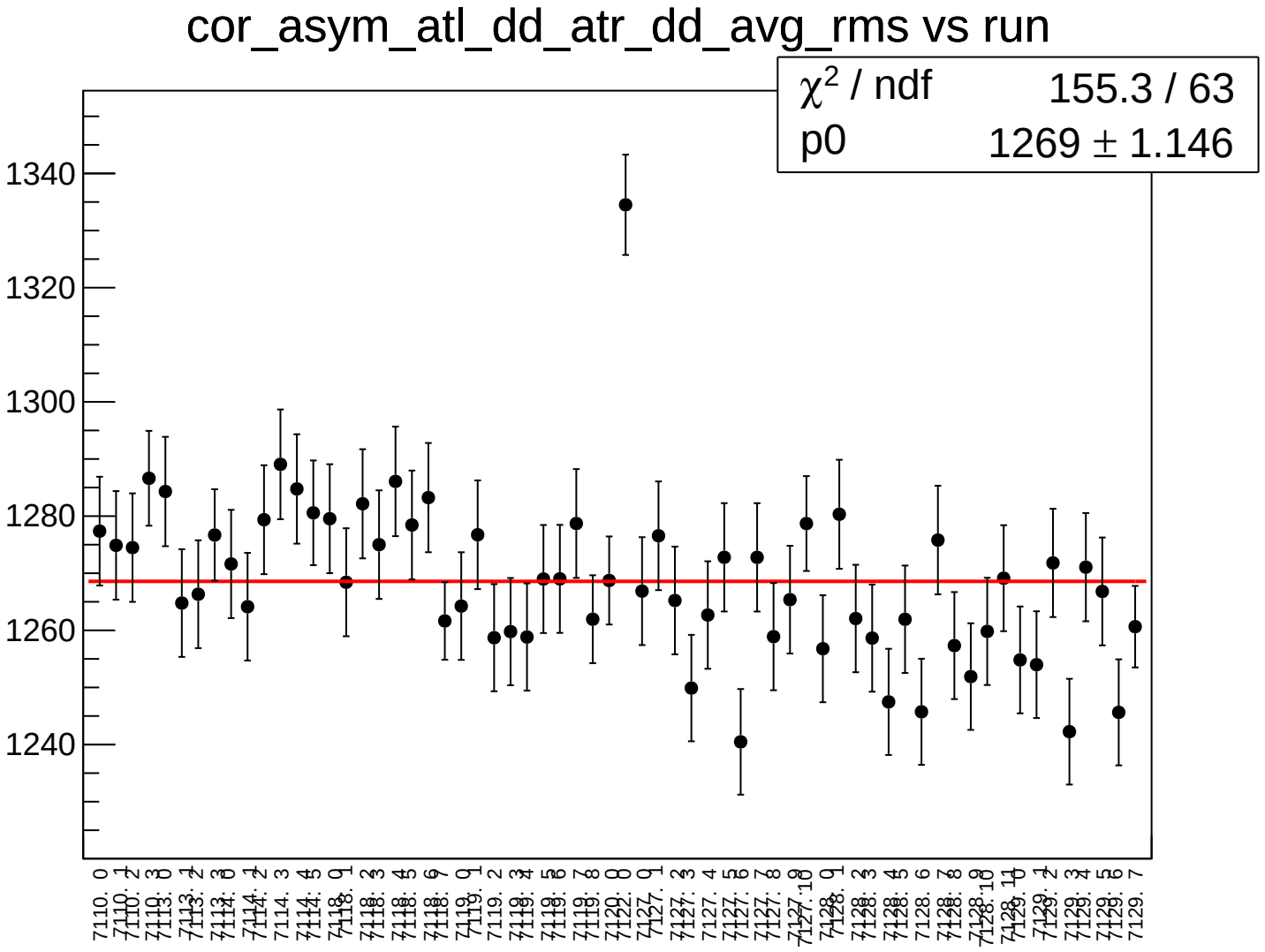

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.08
Std Dev 0

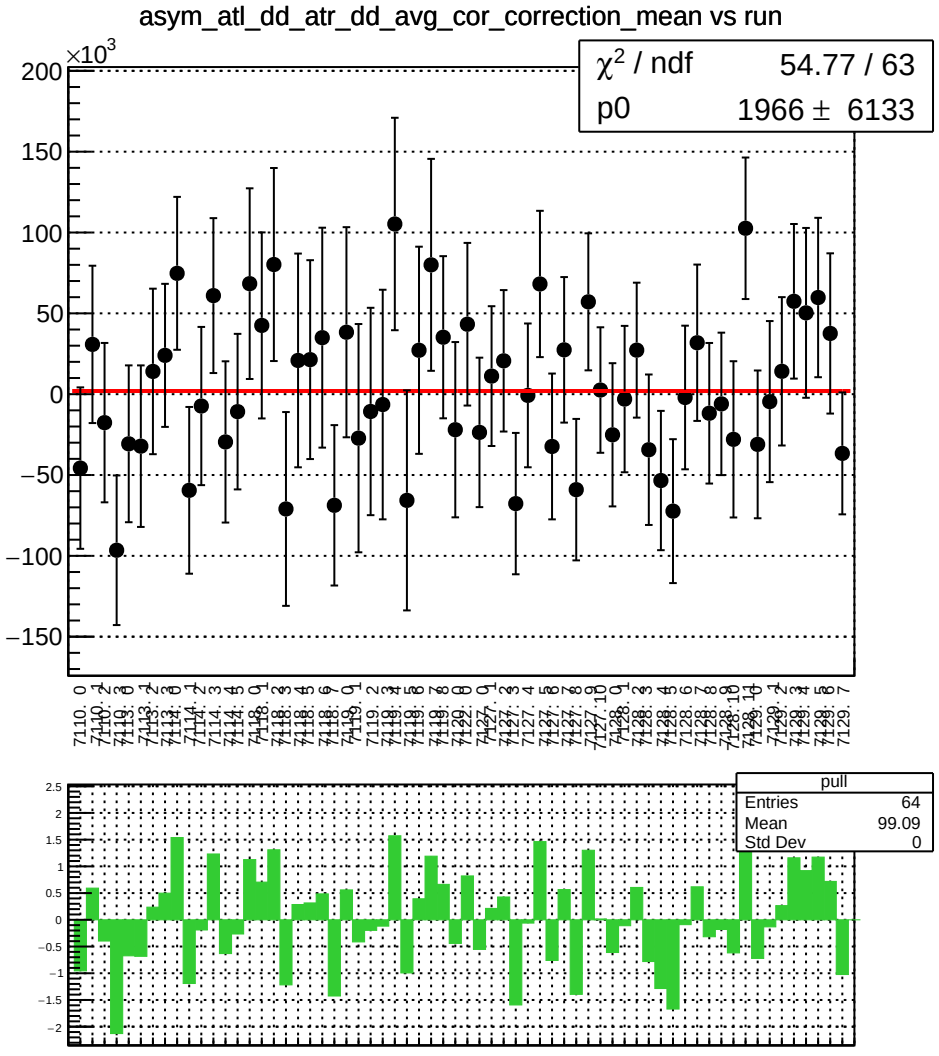

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

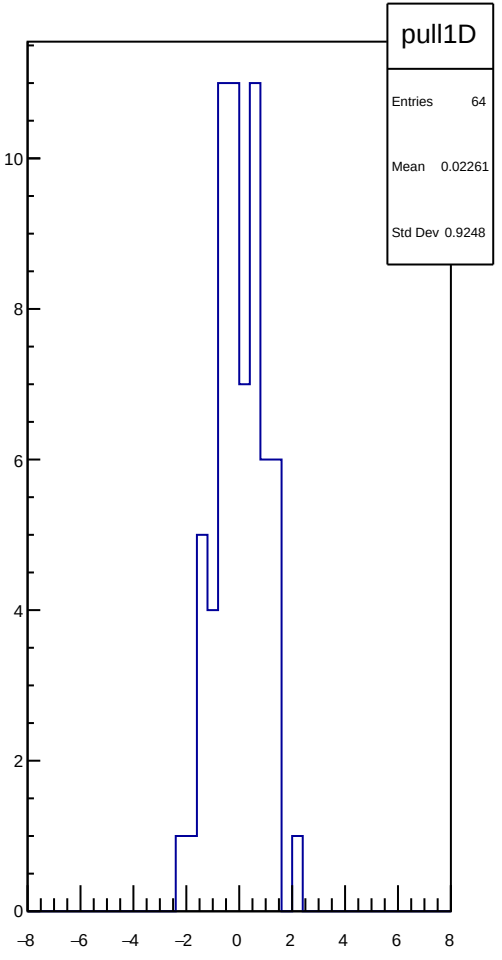

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

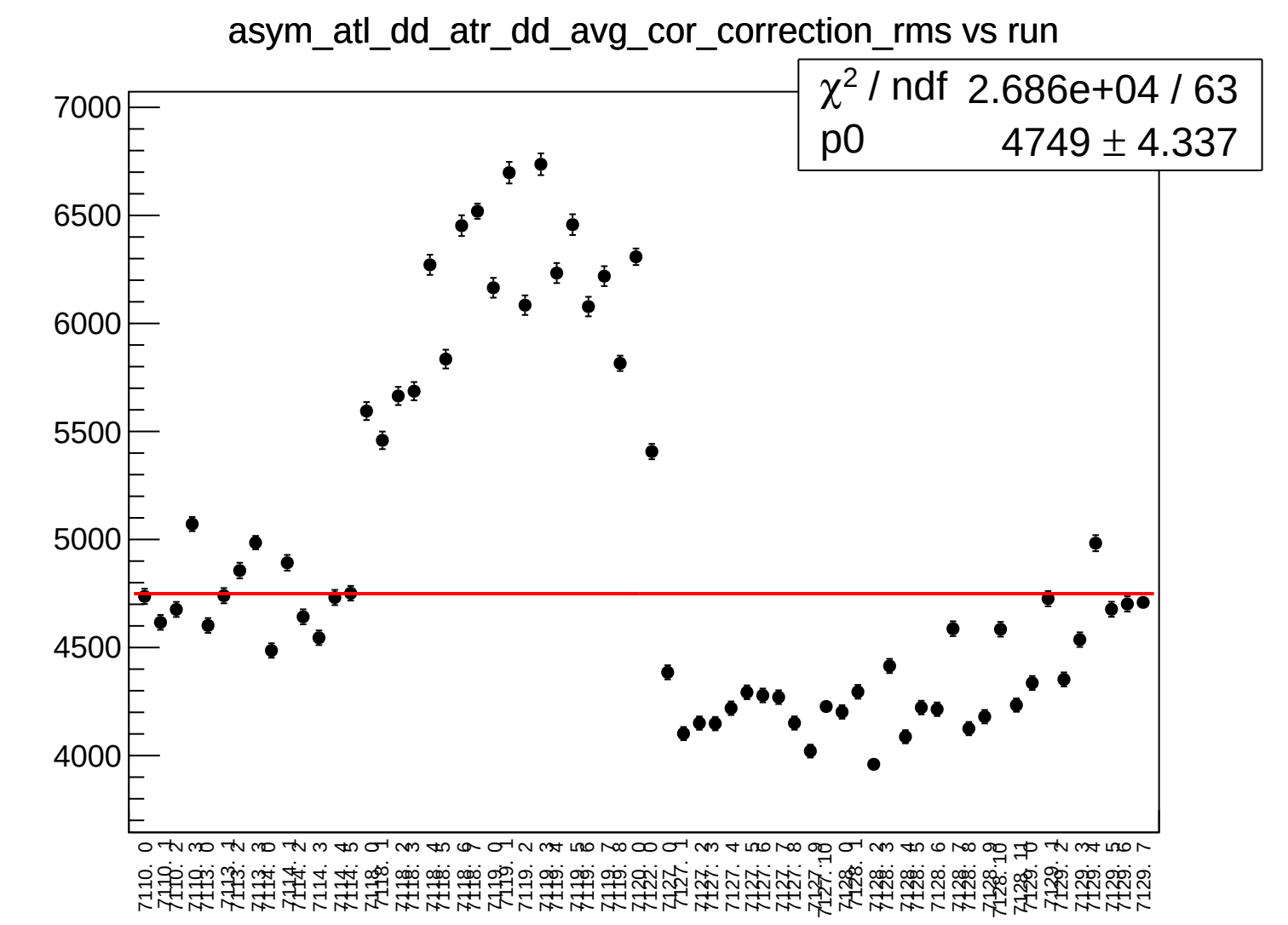

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 61.81 / 63
p0 −3614 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.5
Std Dev 0
3
2
1
0
−1
−2

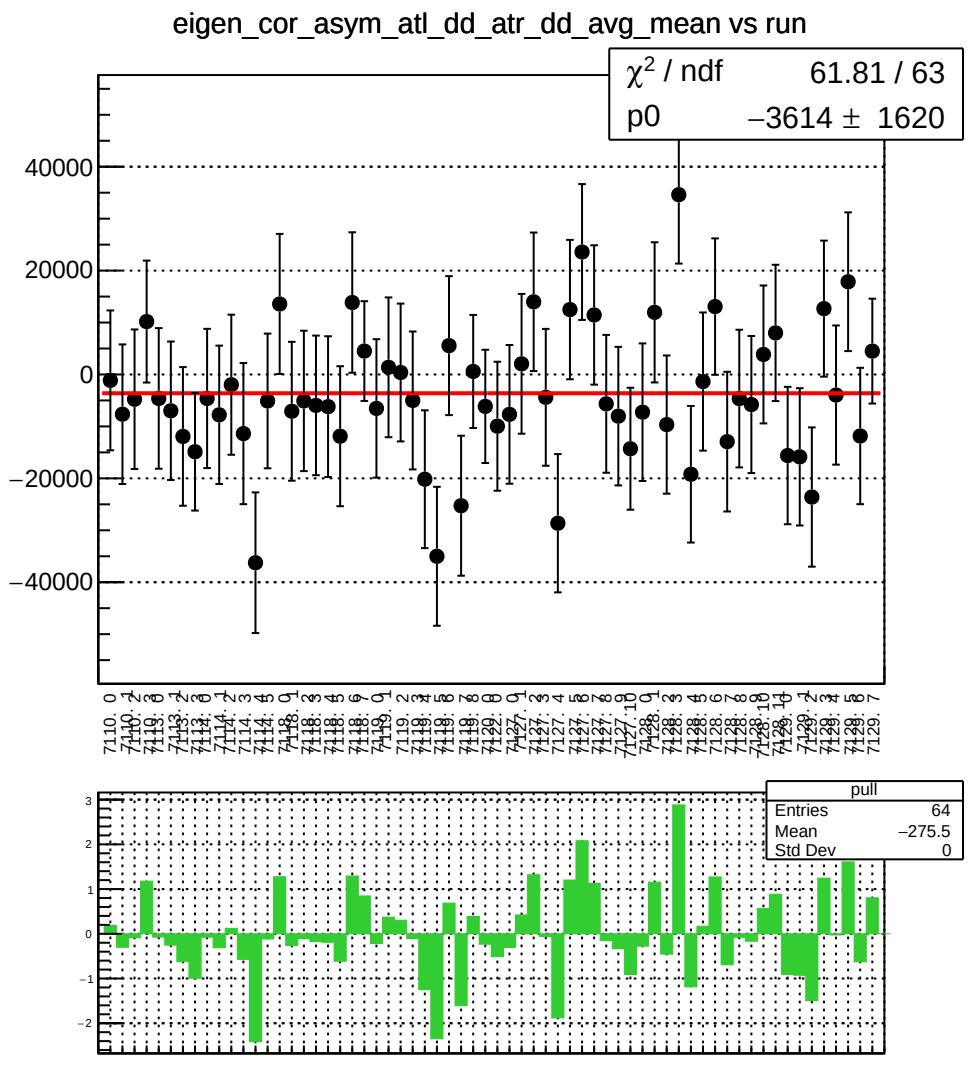

pull1D
Entries 64
Mean −0.008261
Std Dev 0.9827
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

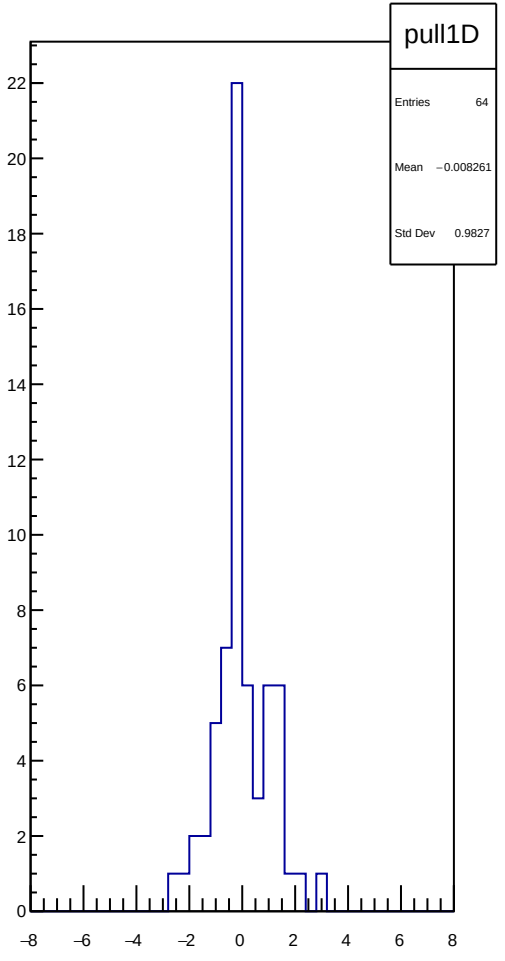

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

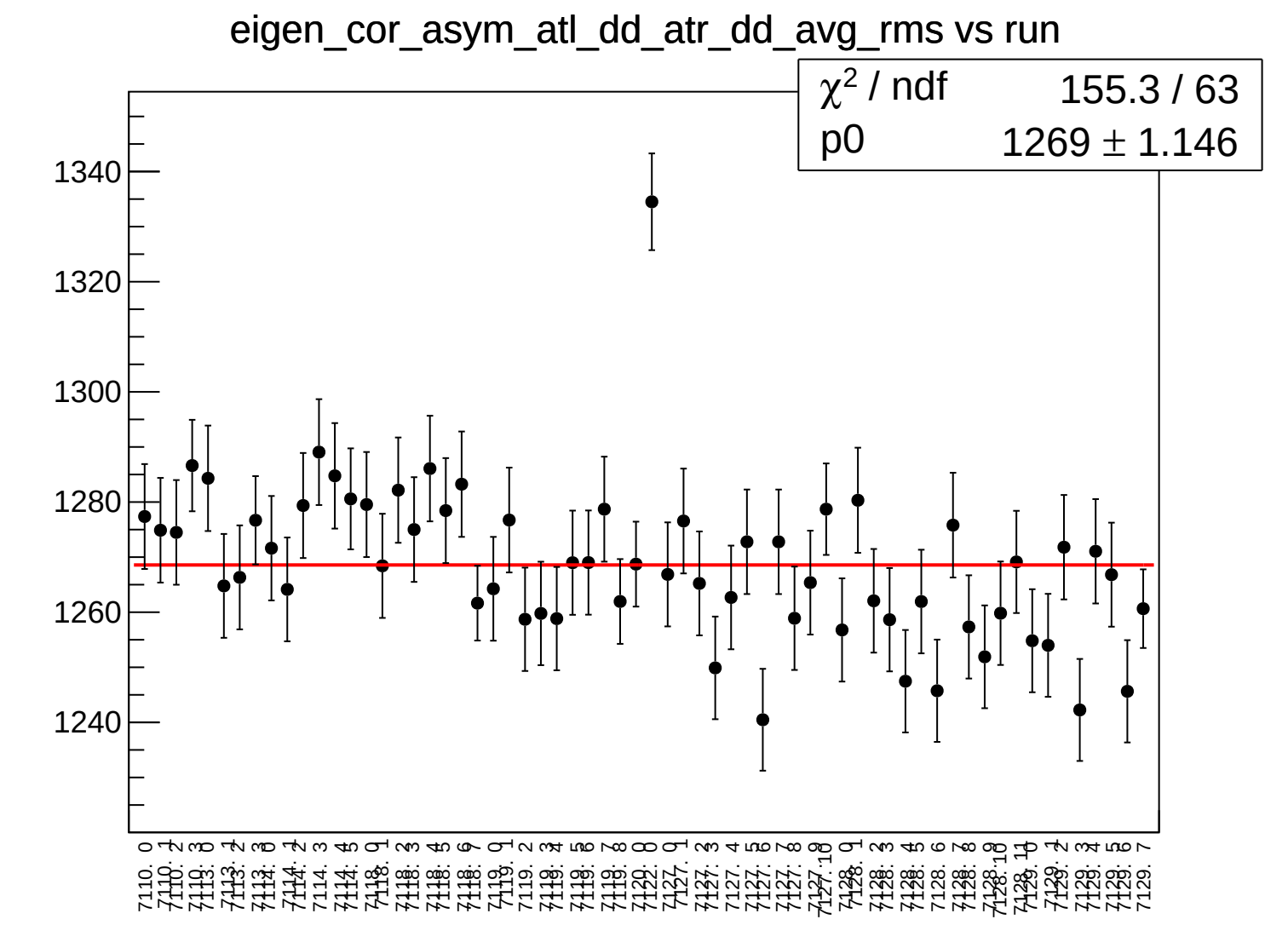

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.09
Std Dev 0

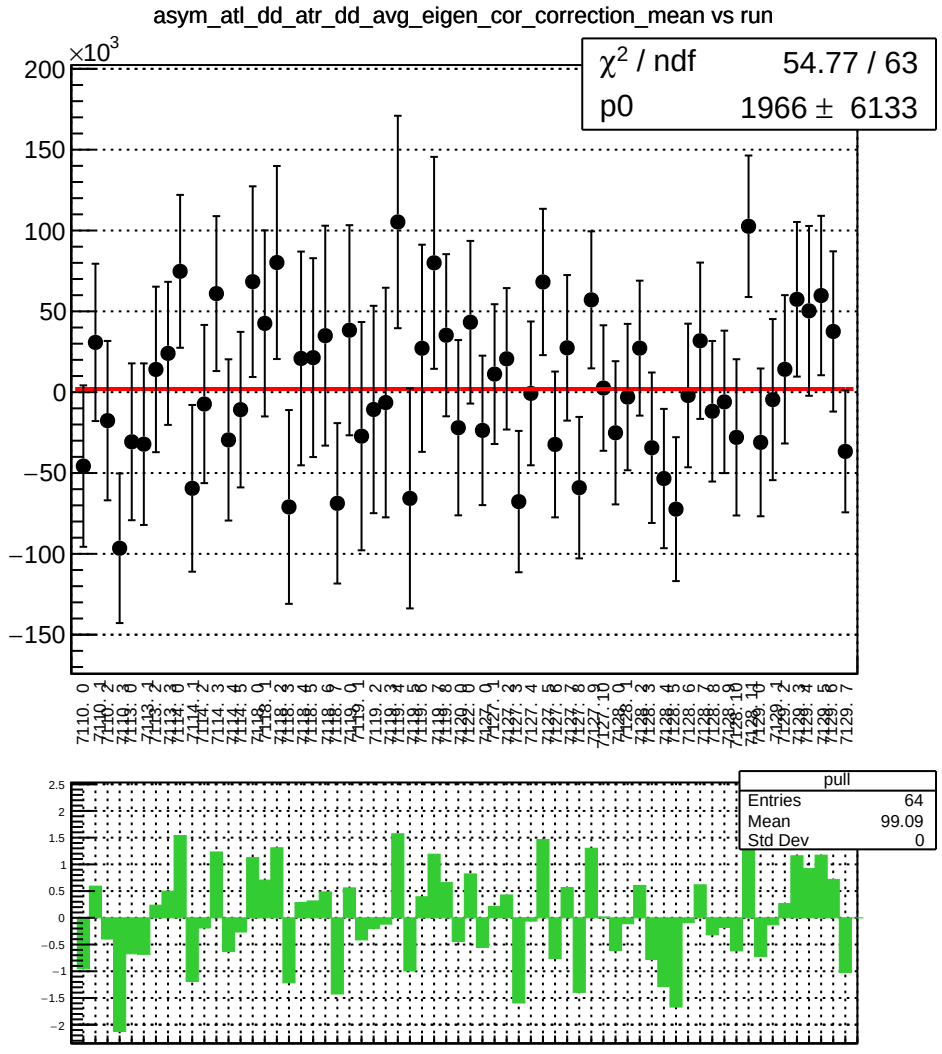

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

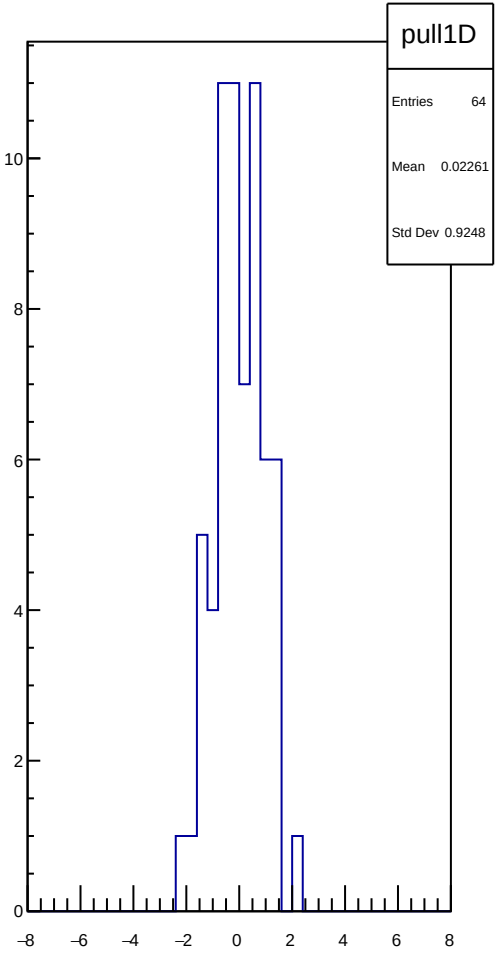

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

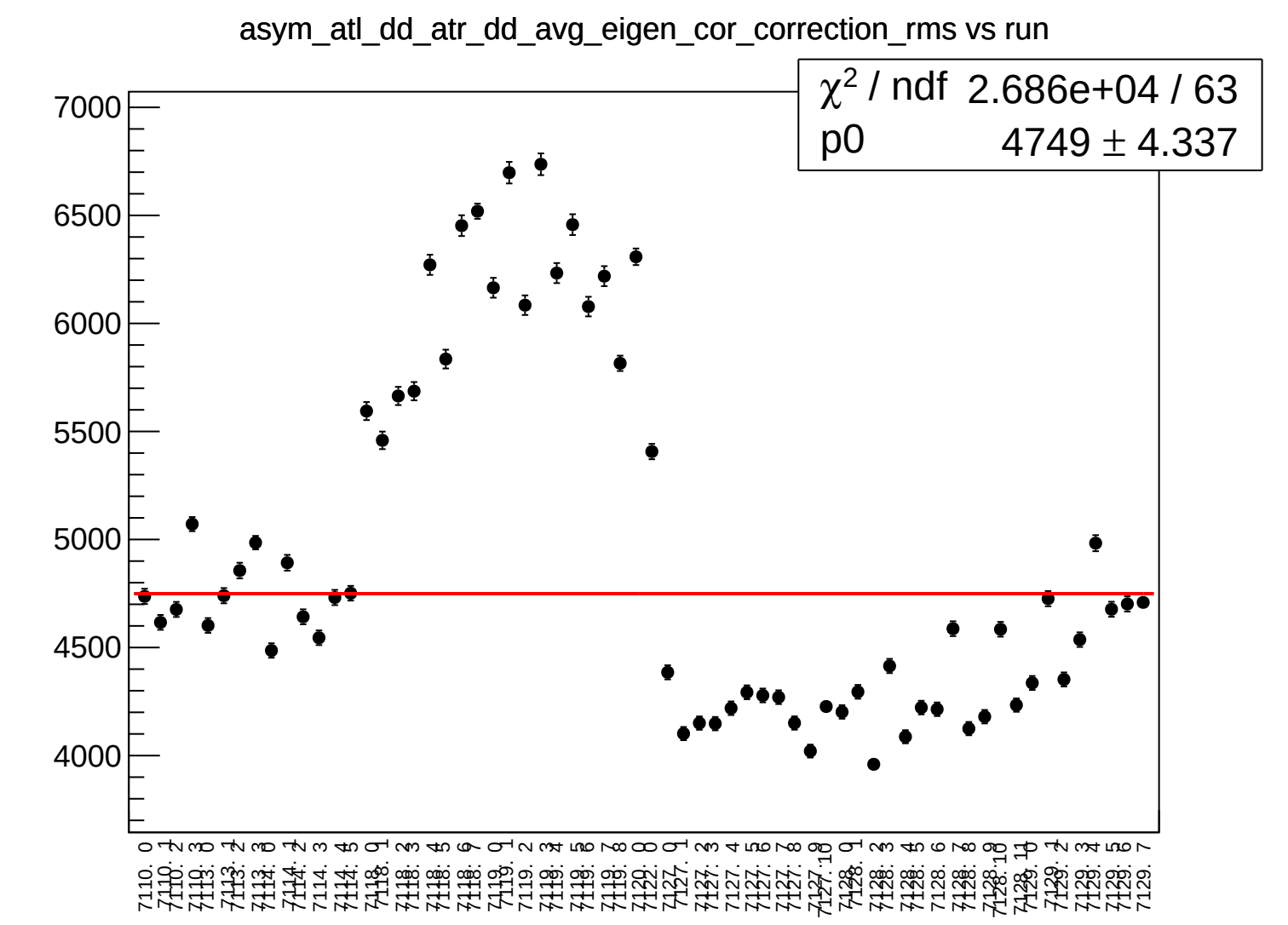

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 61.81 / 63
p0 −3614 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.5
Std Dev 0

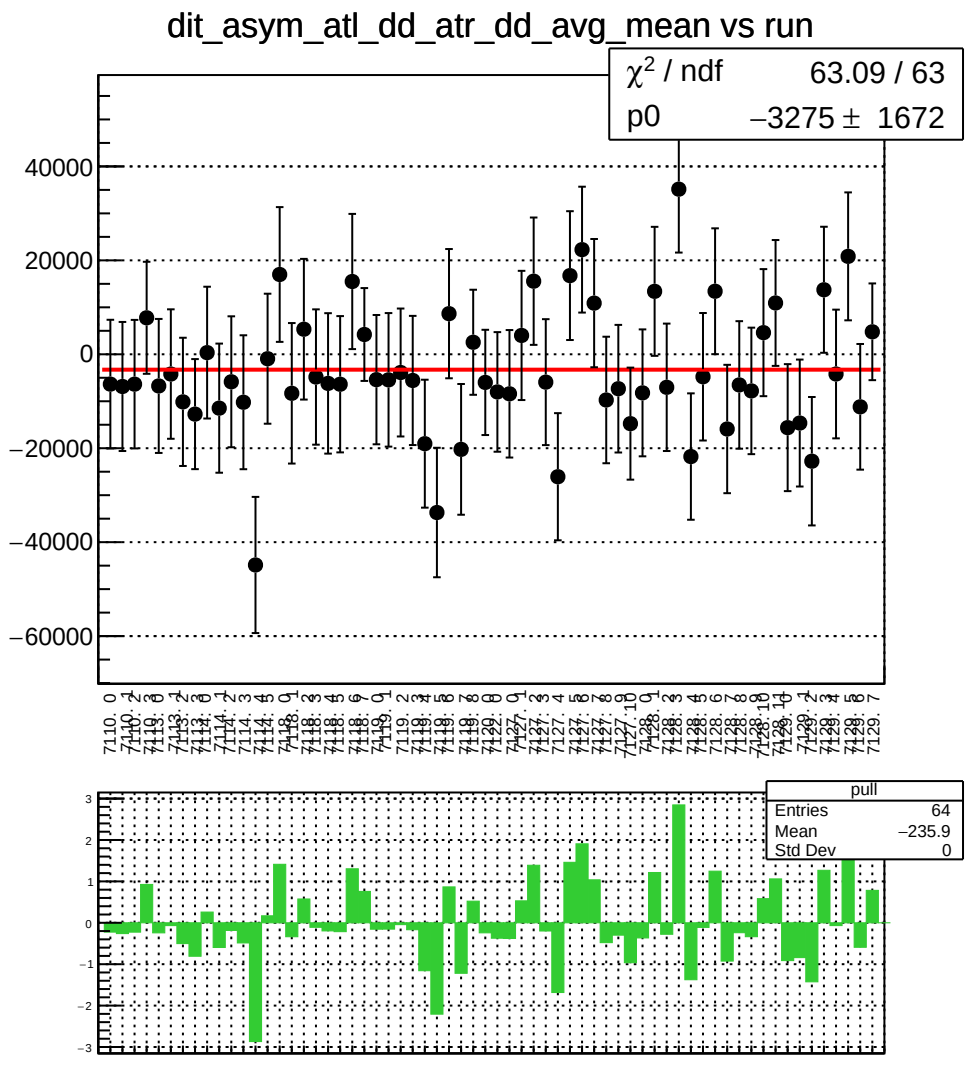

pull1D
Entries 64
Mean −0.008261
Std Dev 0.9827

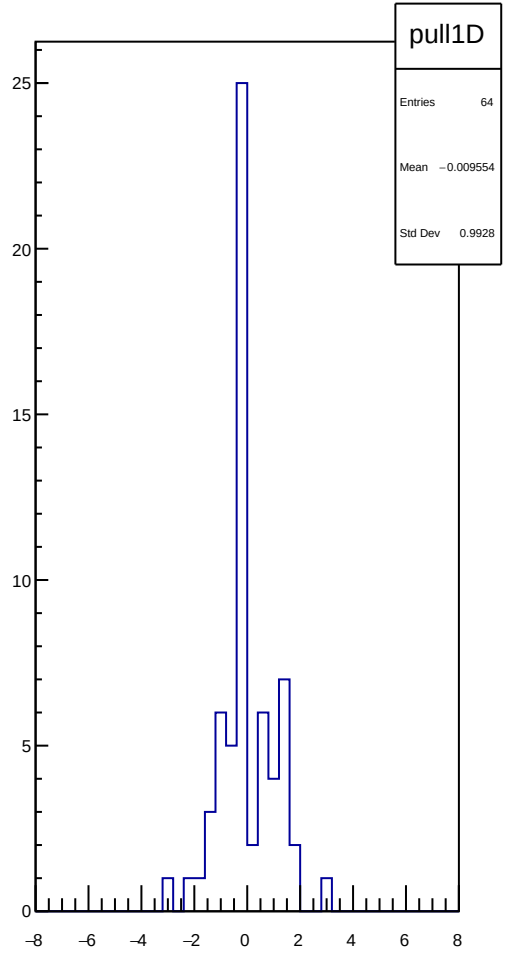

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

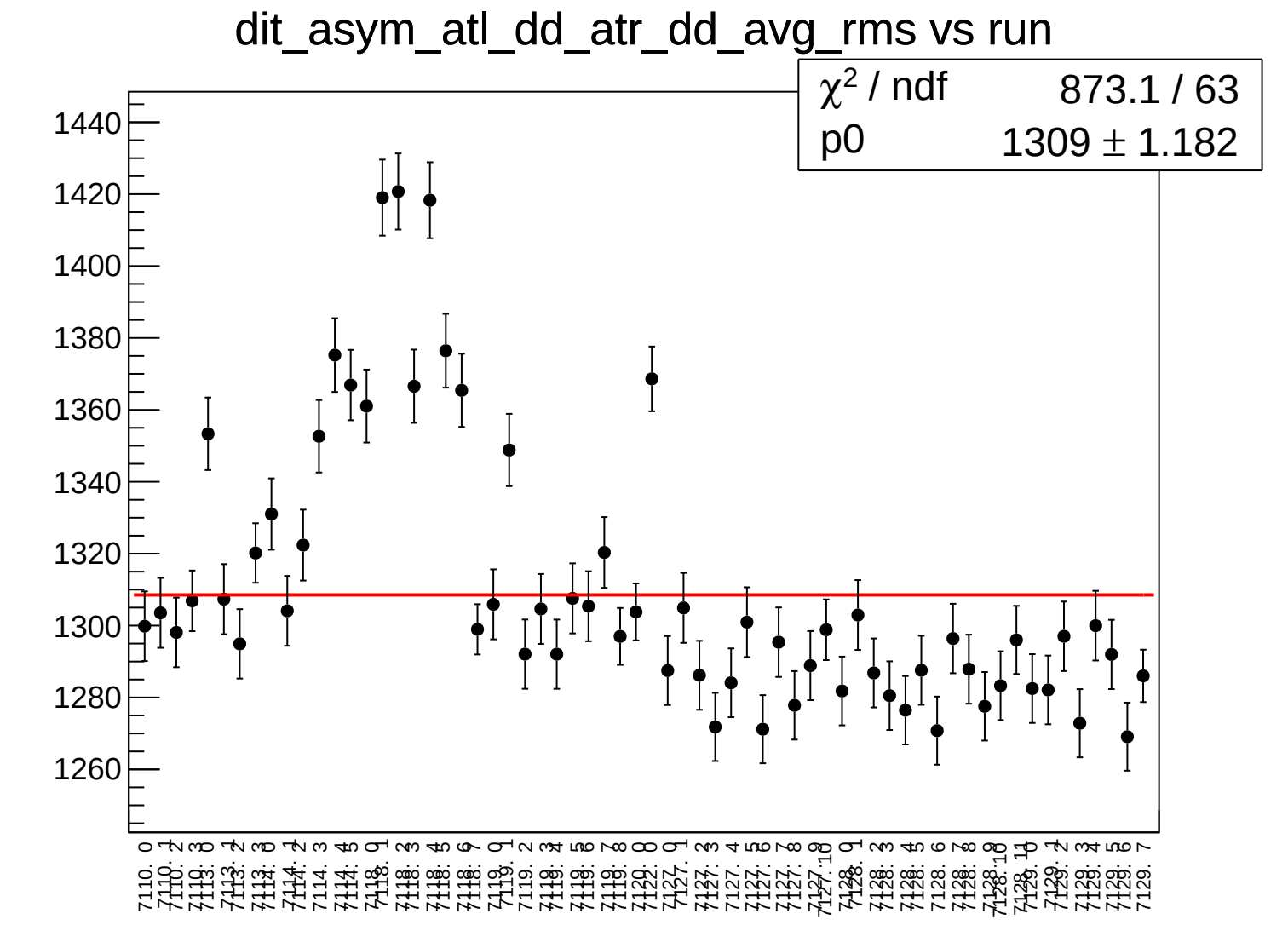

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.09
Std Dev 0

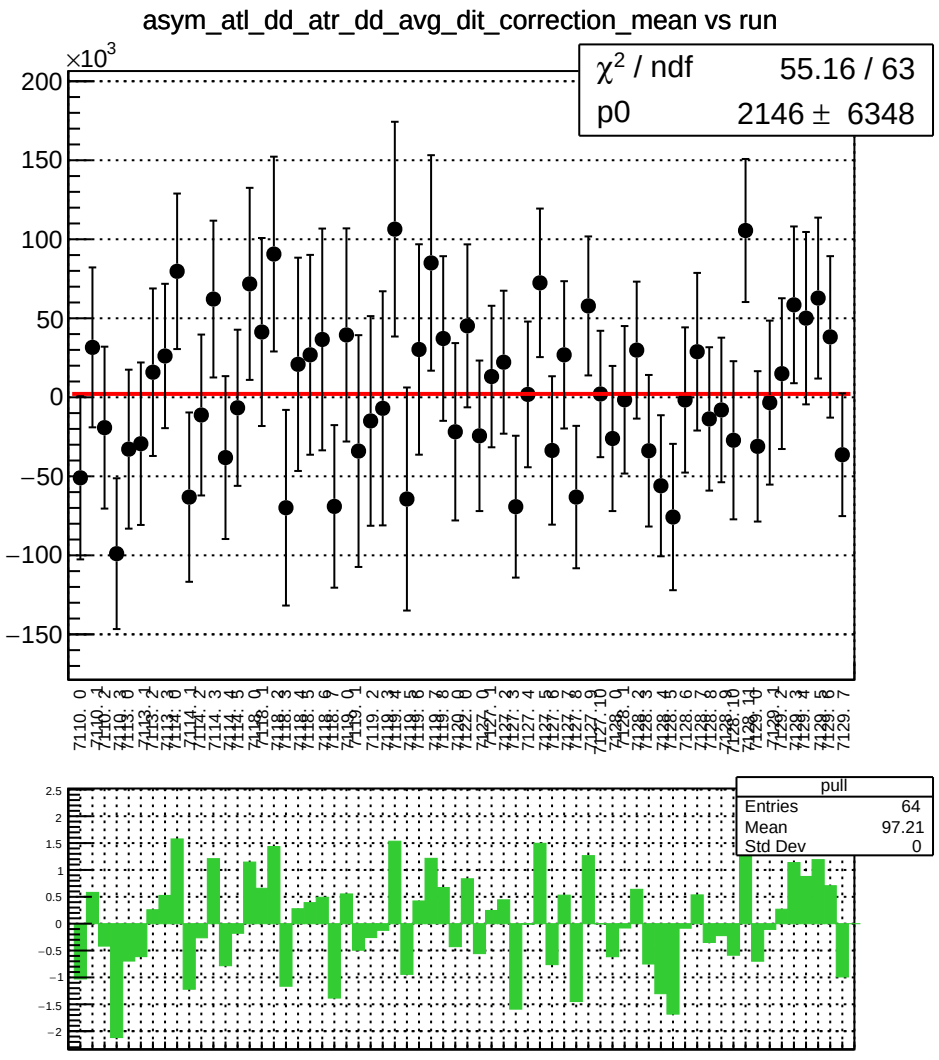

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

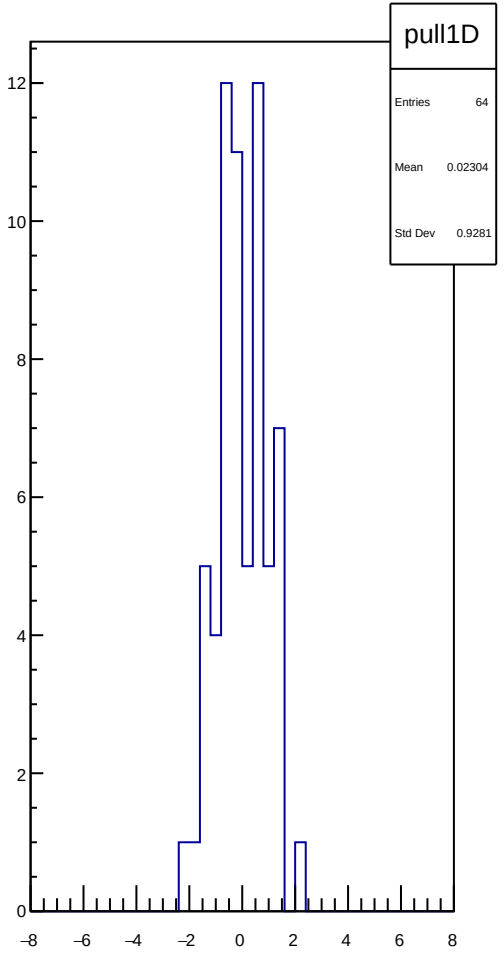

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

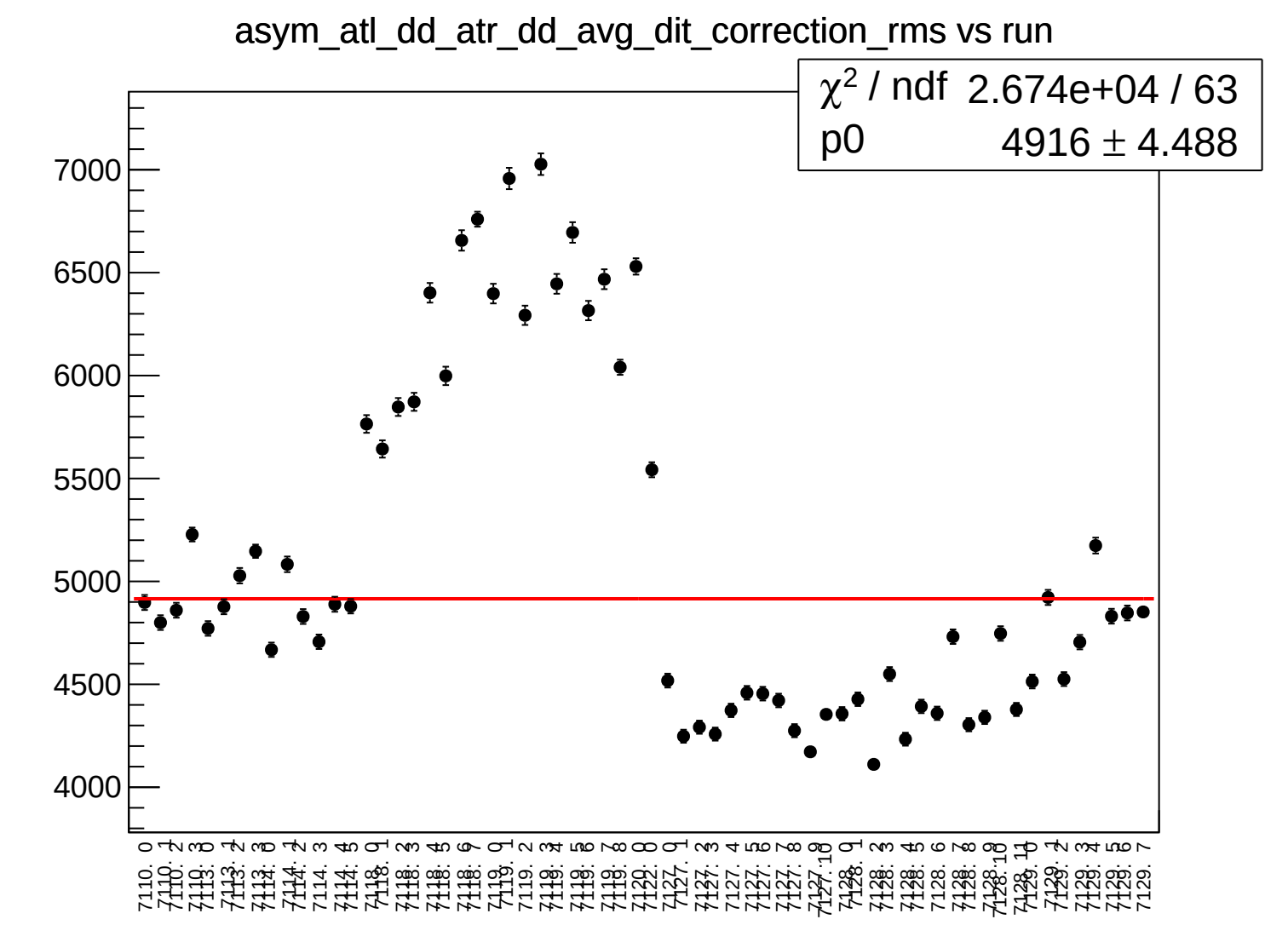

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 63.09 / 63
p0 −3275 ± 1672
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −235.9
Std Dev 0
3
2
1
0
−1
−2
−3

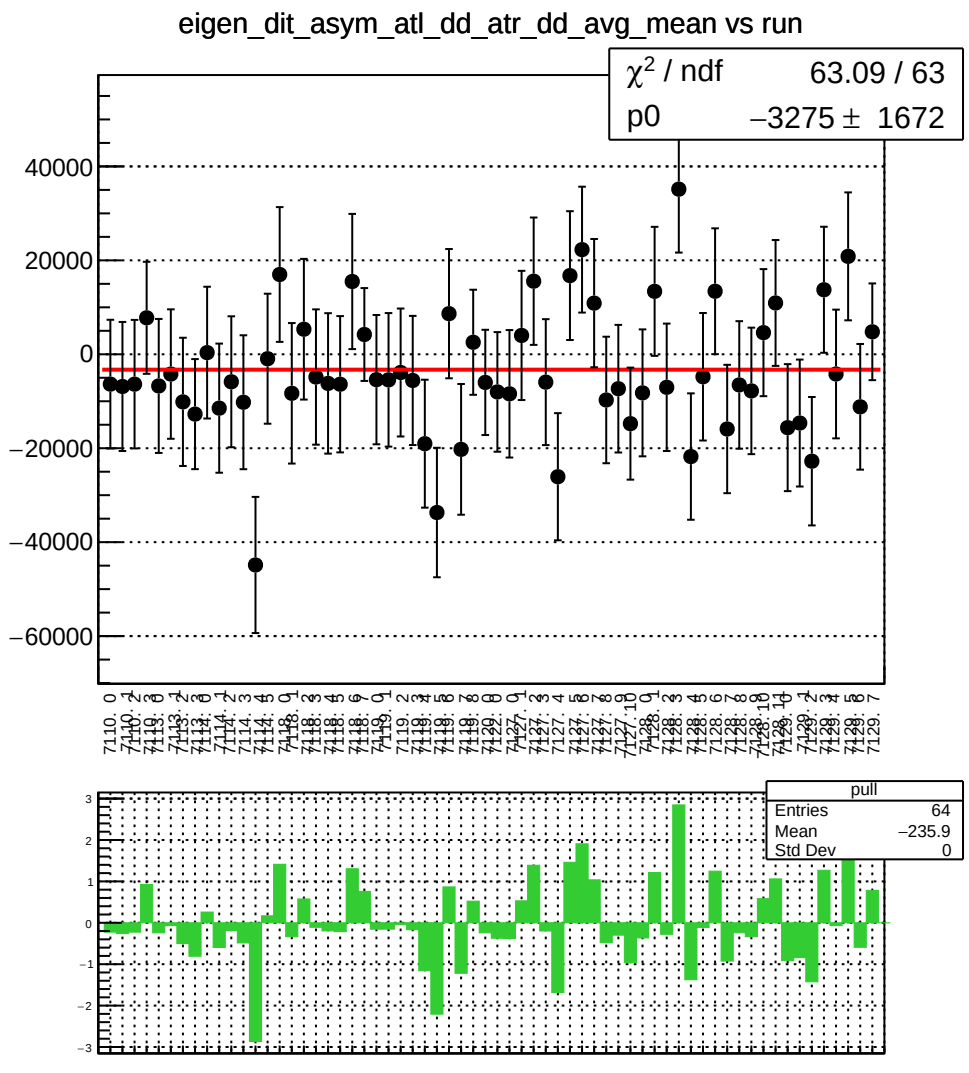

pull1D
Entries 64
Mean −0.009554
Std Dev 0.9928
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

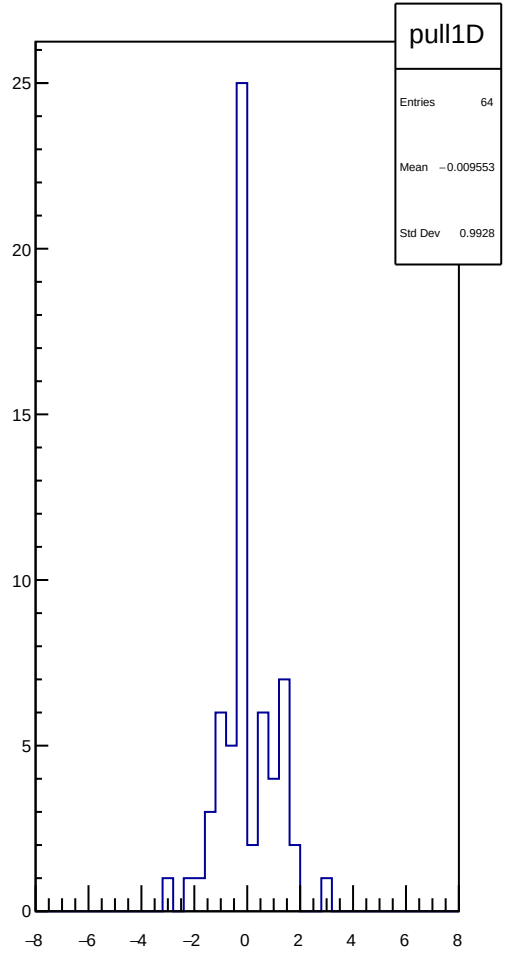

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 873.1 / 63
p0 1309 ± 1.182
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260

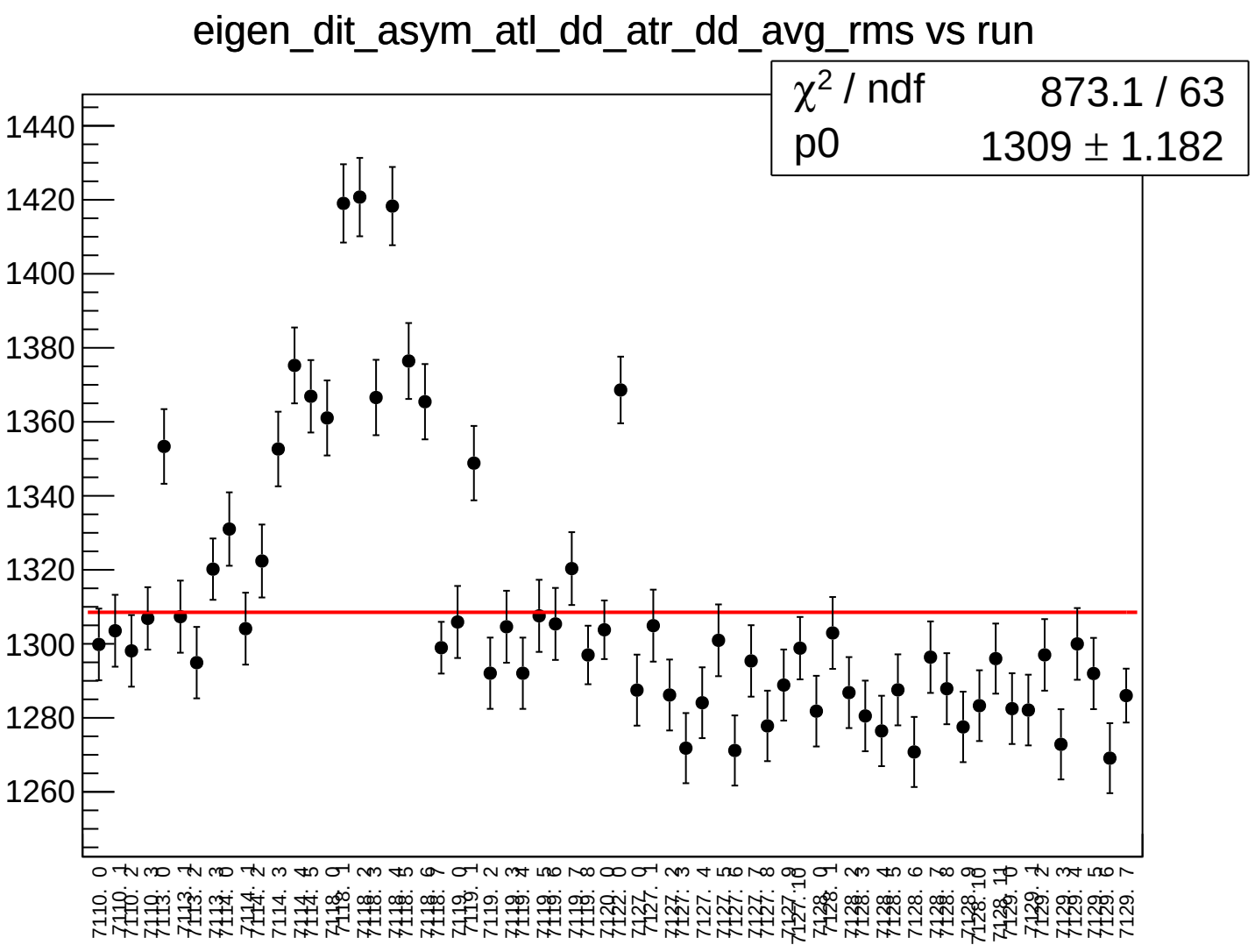

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.16 / 63
p0 2146 ± 6348
200
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 97.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

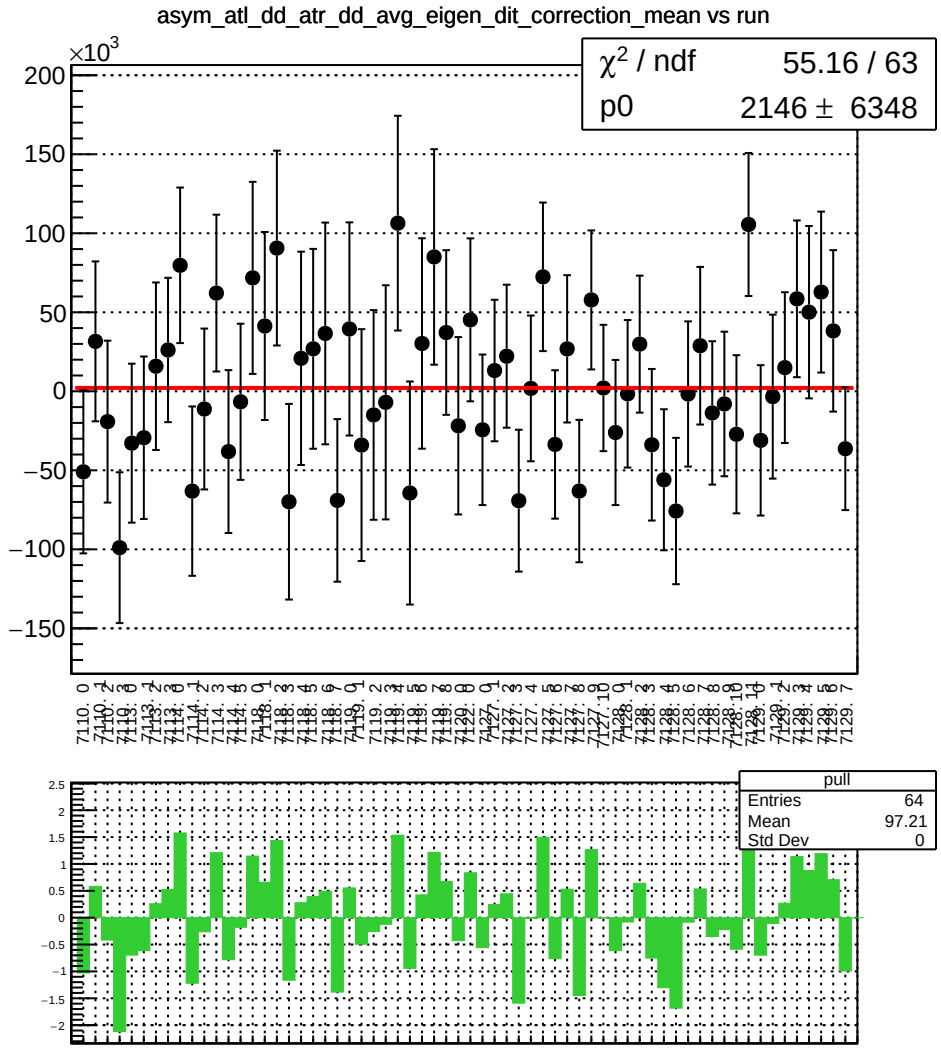

pull1D
Entries 64
Mean 0.02304
Std Dev 0.9281
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

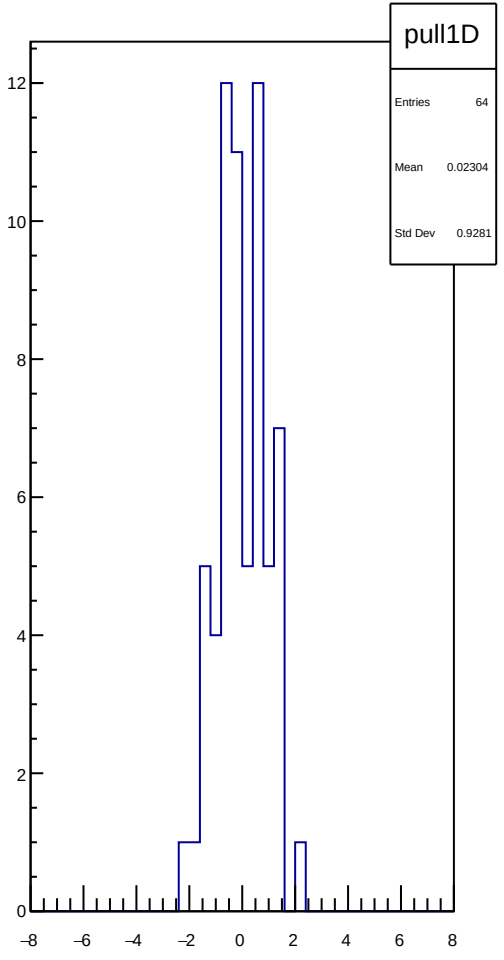

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 2.674e+04 / 63
p0 4916 ± 4.488
7000
6500
6000
5500
5000
4500
4000

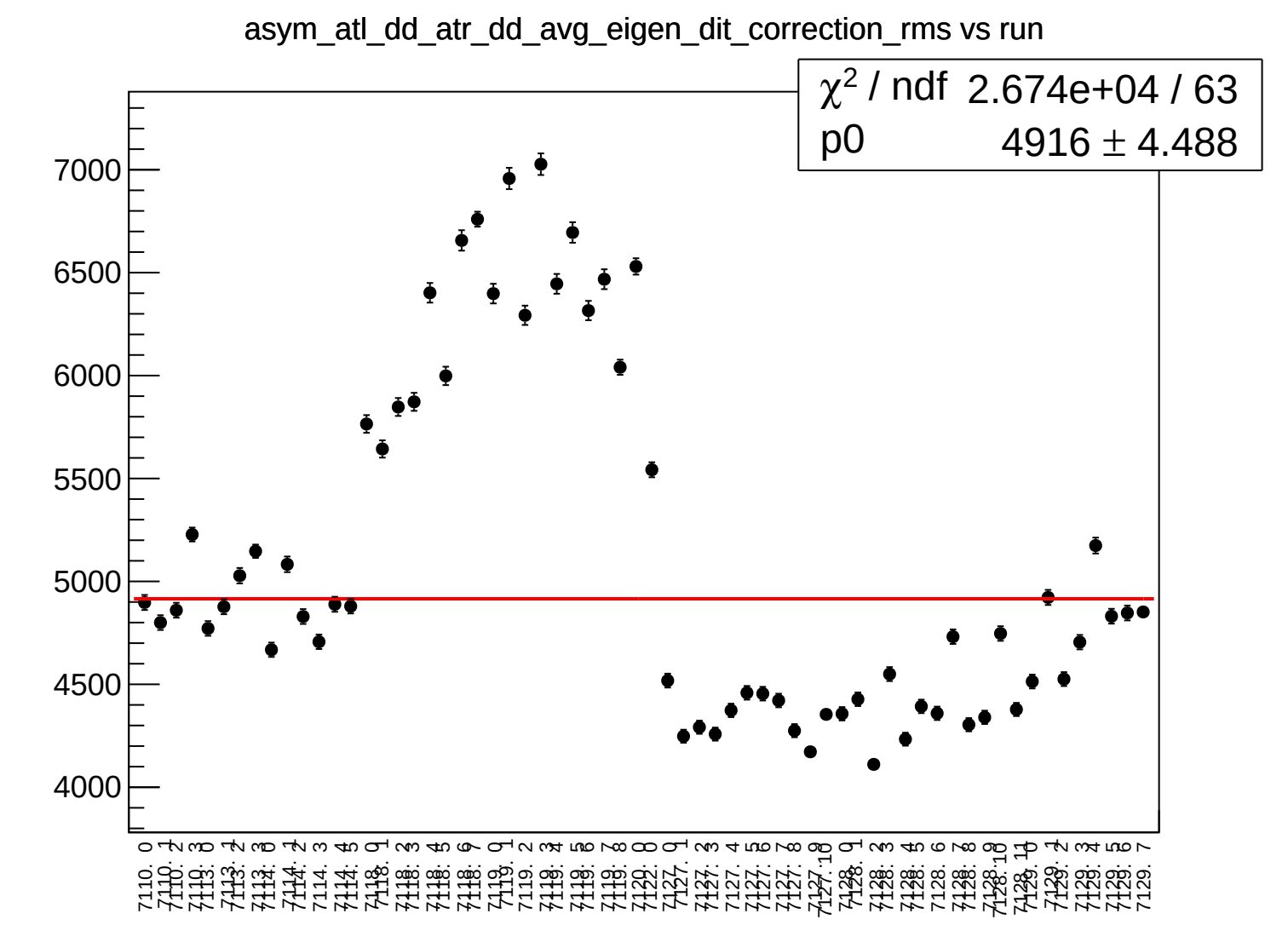

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 63.09 / 63
p0 −3275 ± 1672
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −235.9
Std Dev 0
3
2
1
0
−1
−2
−3

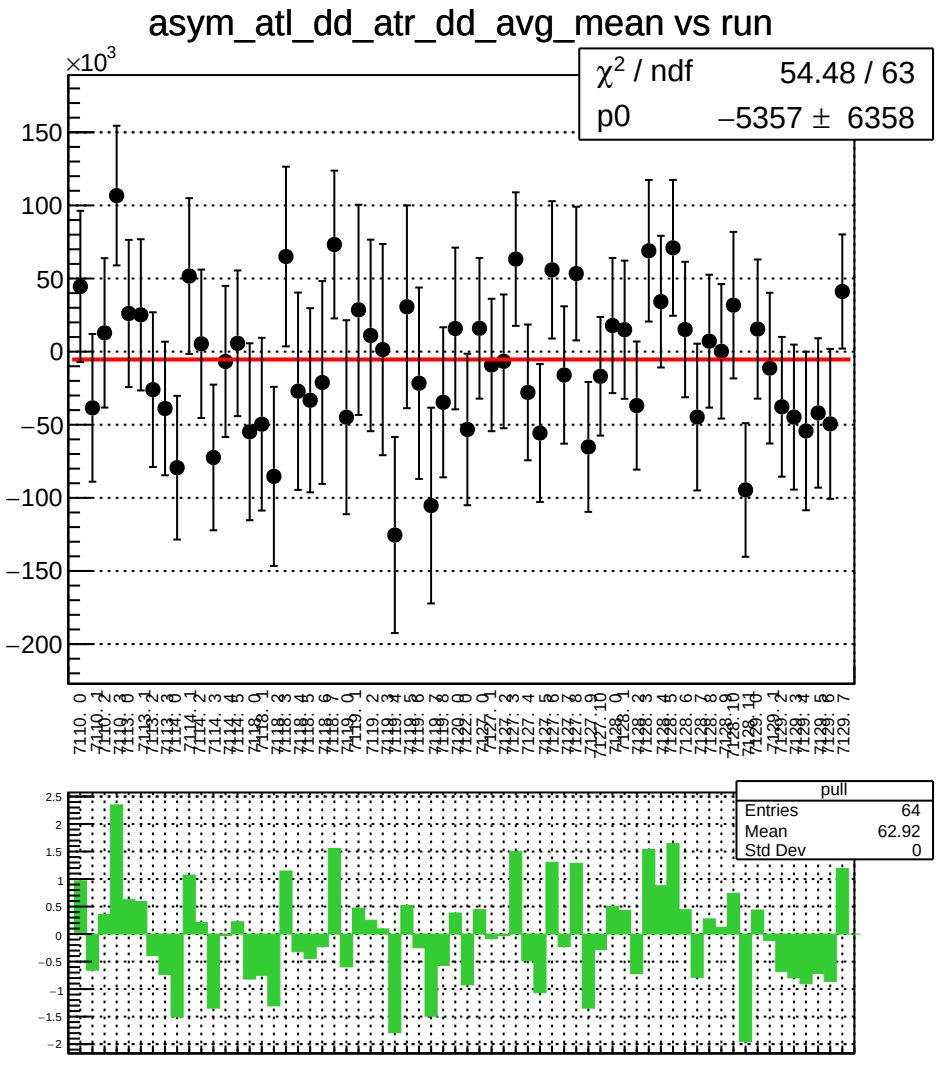

pull1D
Entries 64
Mean −0.009553
Std Dev 0.9928
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

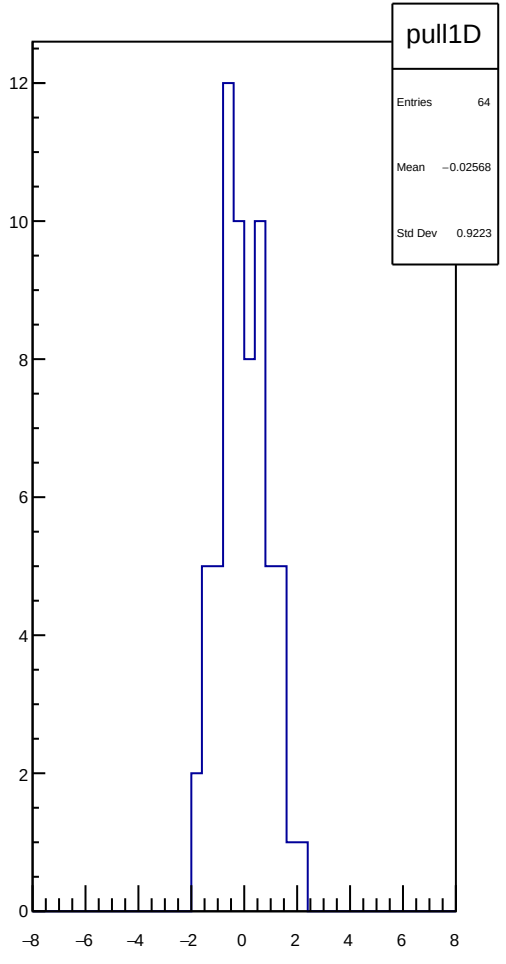

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 873.1 / 63
p0 1309 ± 1.182
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260

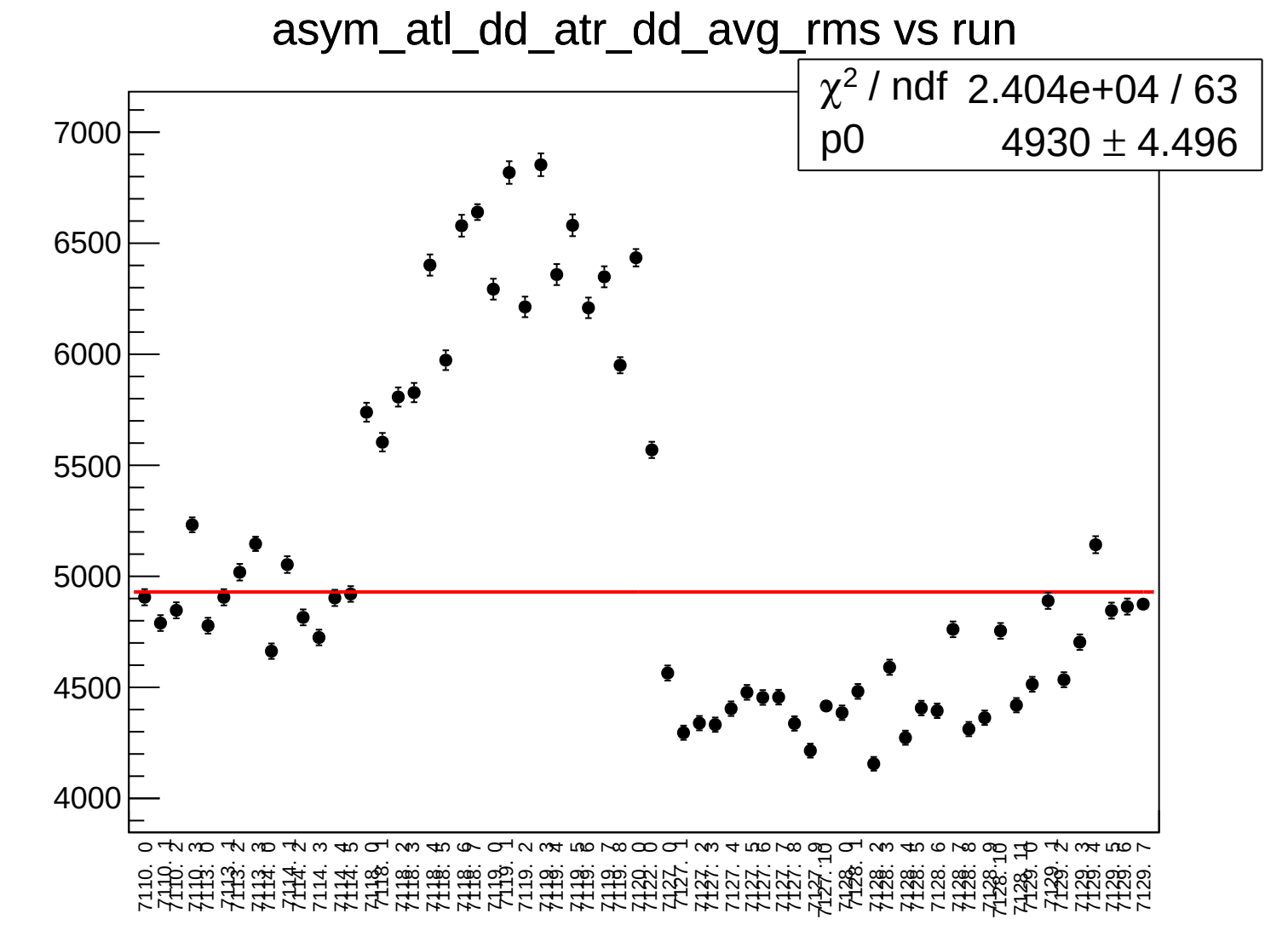

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.16 / 63
p0 2146 ± 6348
pull
Entries 64
Mean 97.21
Std Dev 0

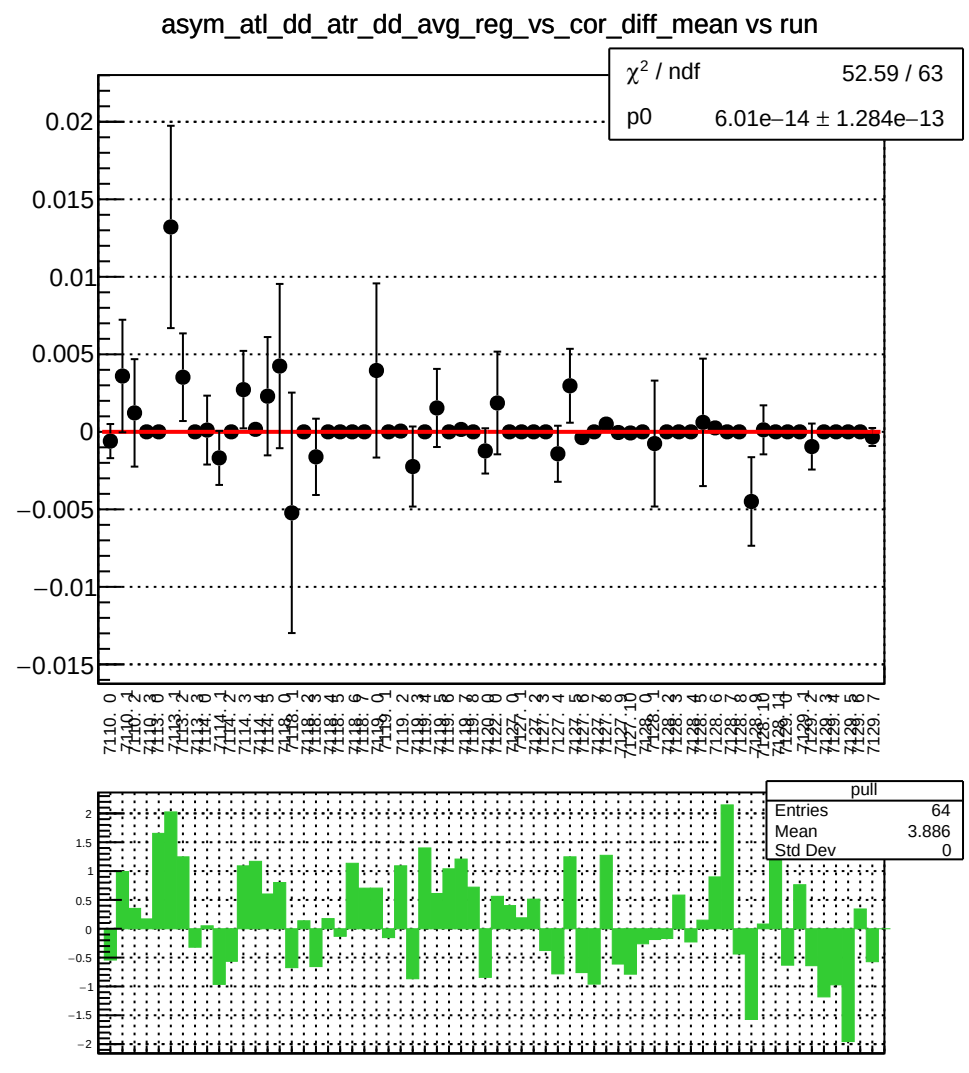

pull1D
Entries 64
Mean 0.02304
Std Dev 0.9281

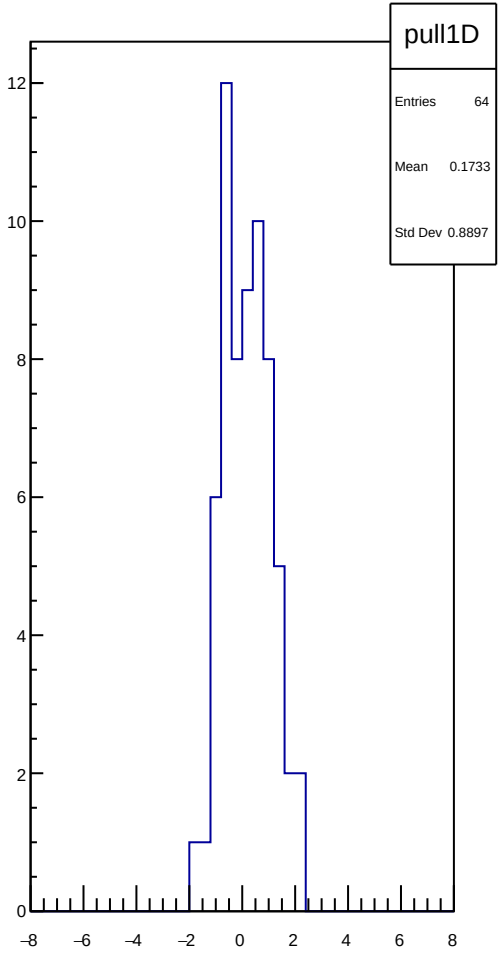

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.674e+04 / 63
p0 4916 ± 4.488
7000
6500
6000
5500
5000
4500
4000

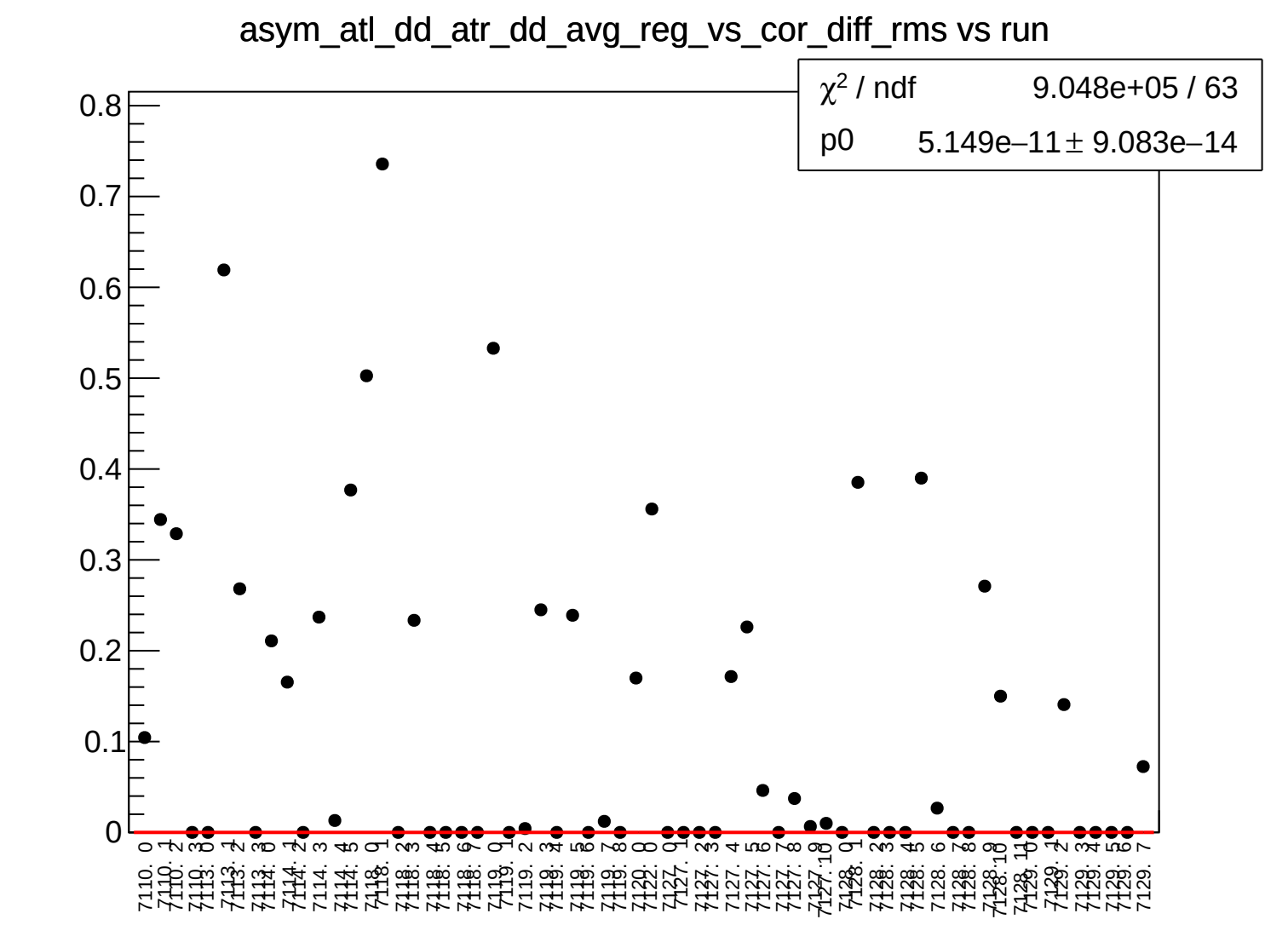

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 54.48 / 63
p0 −5357 ± 6358
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 62.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

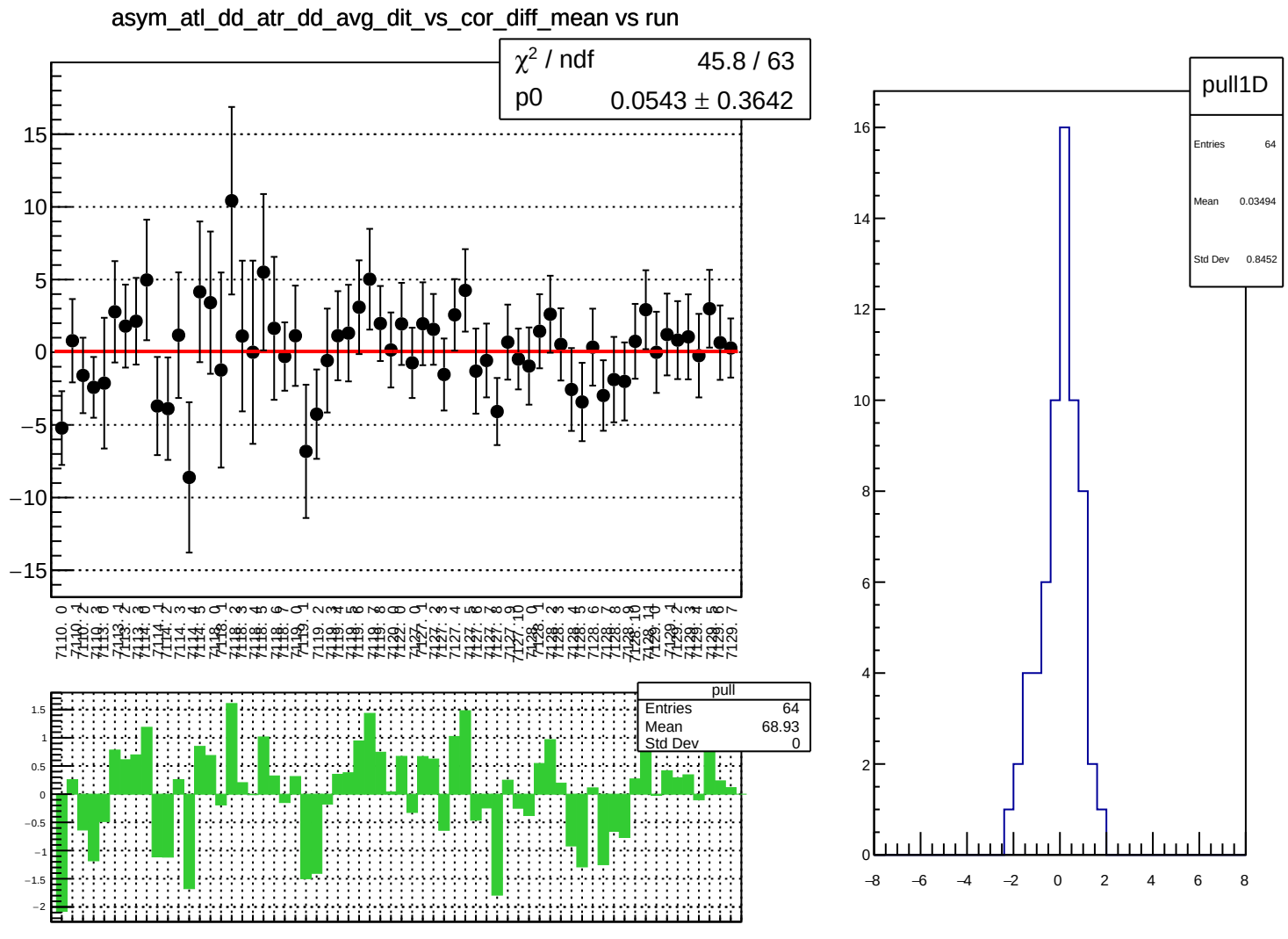

pull1D
Entries 64
Mean −0.02568
Std Dev 0.9223
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

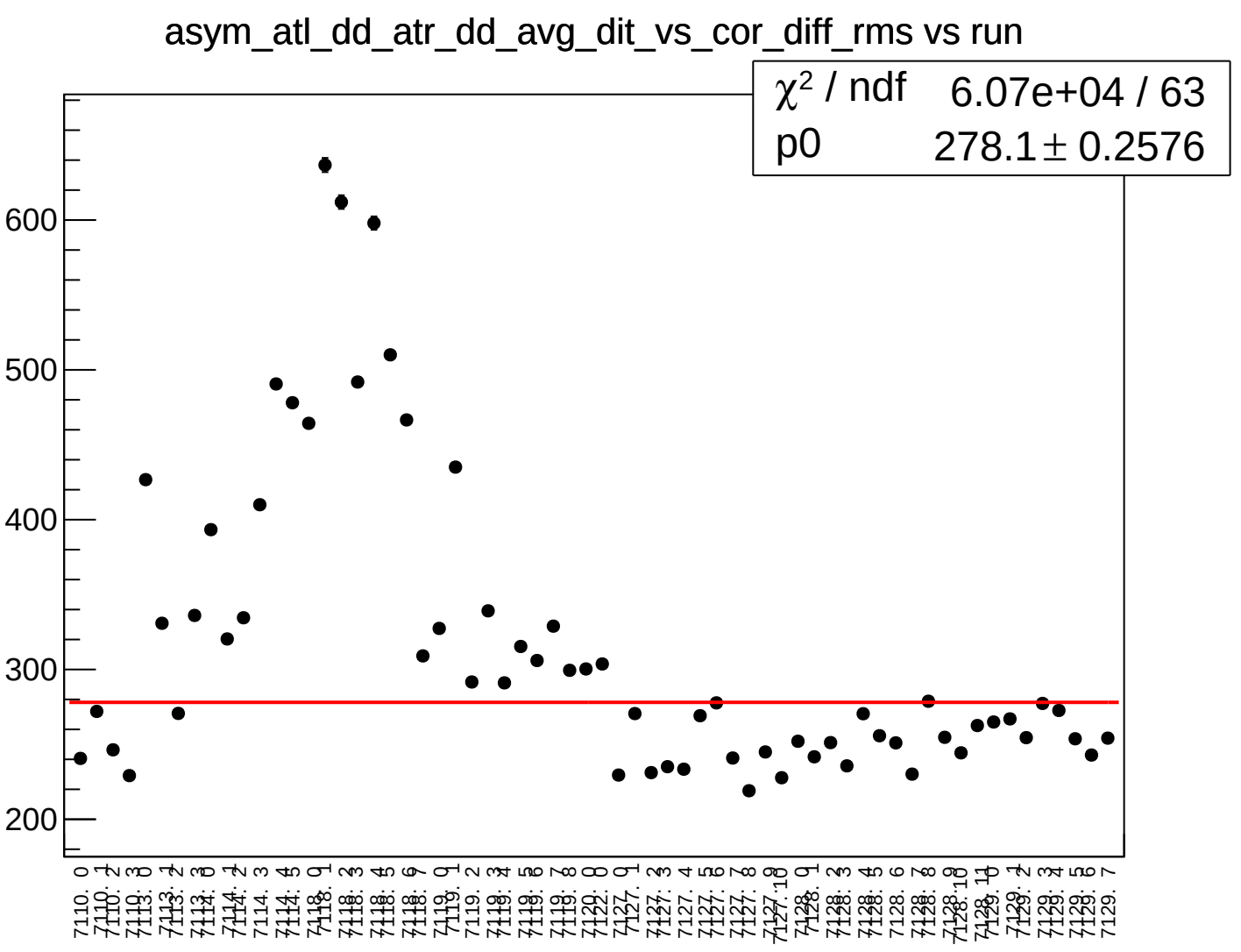

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.404e+04 / 63
p0 4930 ± 4.496
7000
6500
6000
5500
5000
4500
4000

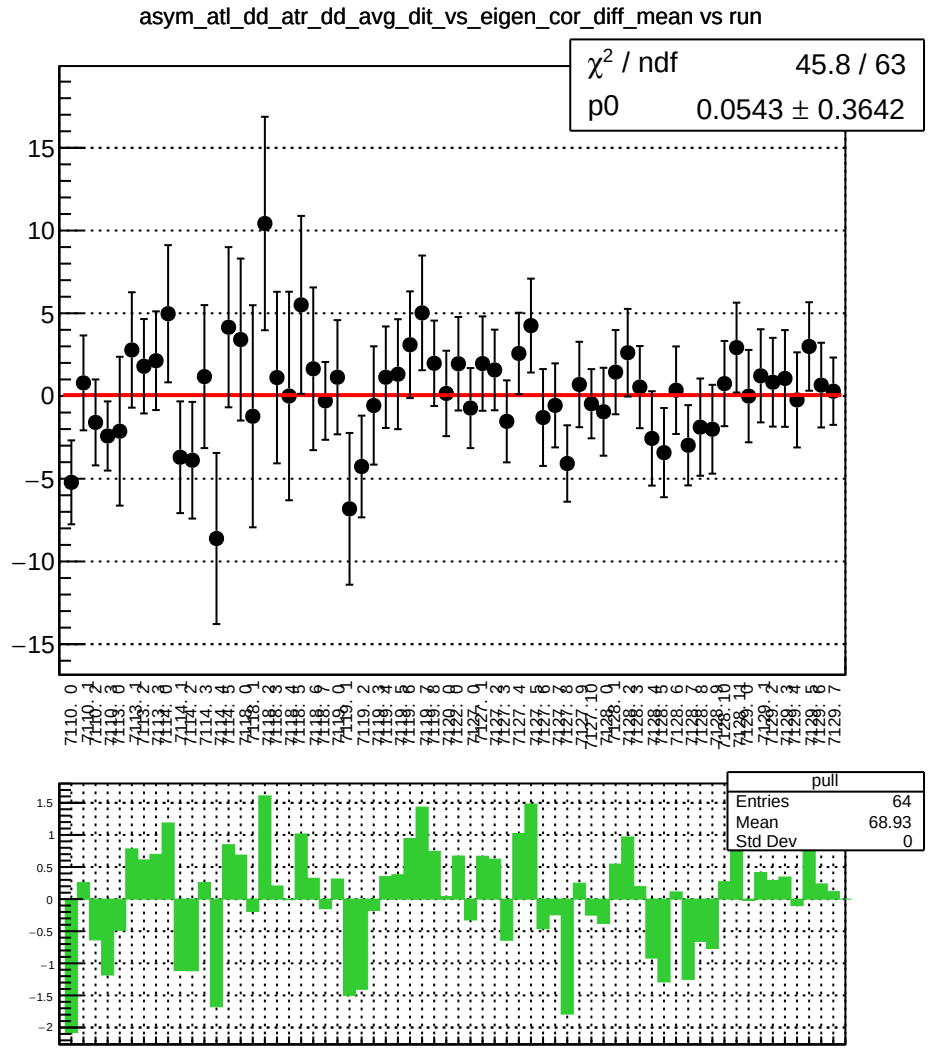

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.59 / 63
p0 6.01e−14 ± 1.284e−13
pull
Entries 64
Mean 3.886
Std Dev 0

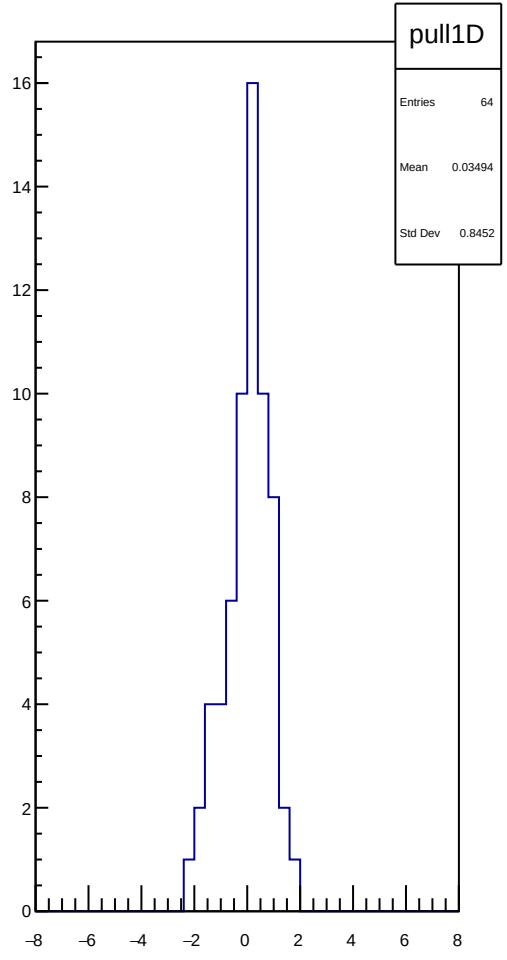

pull1D
Entries 64
Mean 0.1733
Std Dev 0.8897

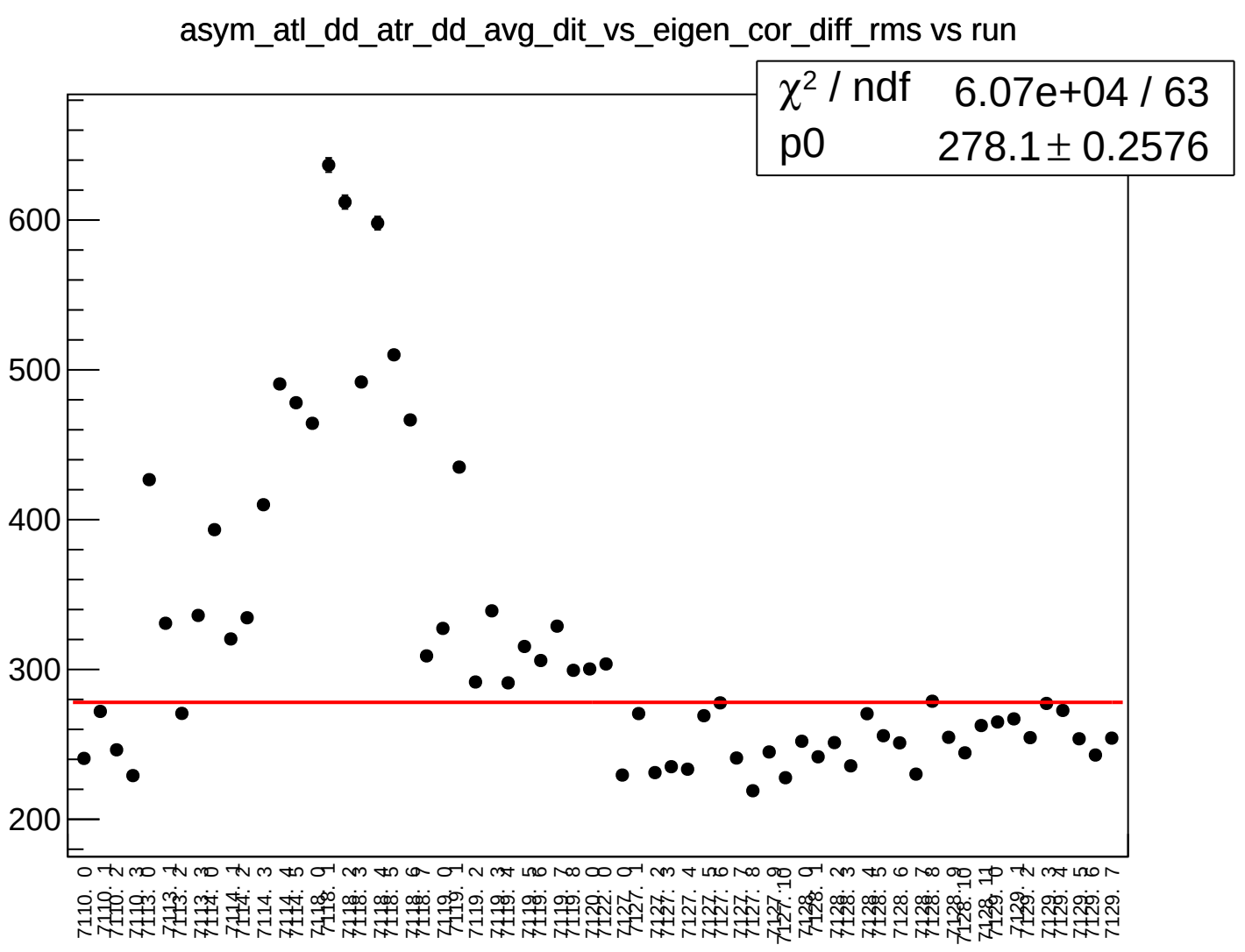

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.048e+05 / 63
p0 5.149e−11 ± 9.083e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

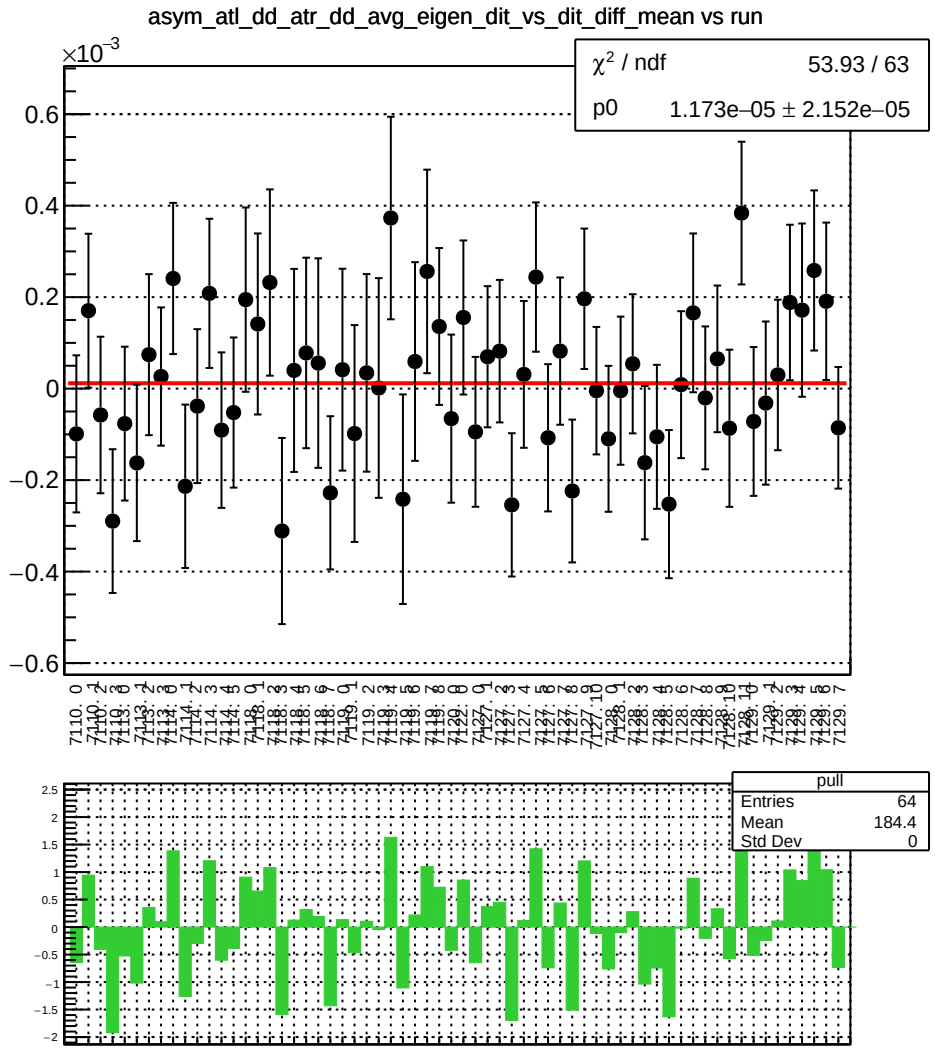

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.0543 ± 0.3642
pull
Entries 64
Mean 68.93
Std Dev 0
pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

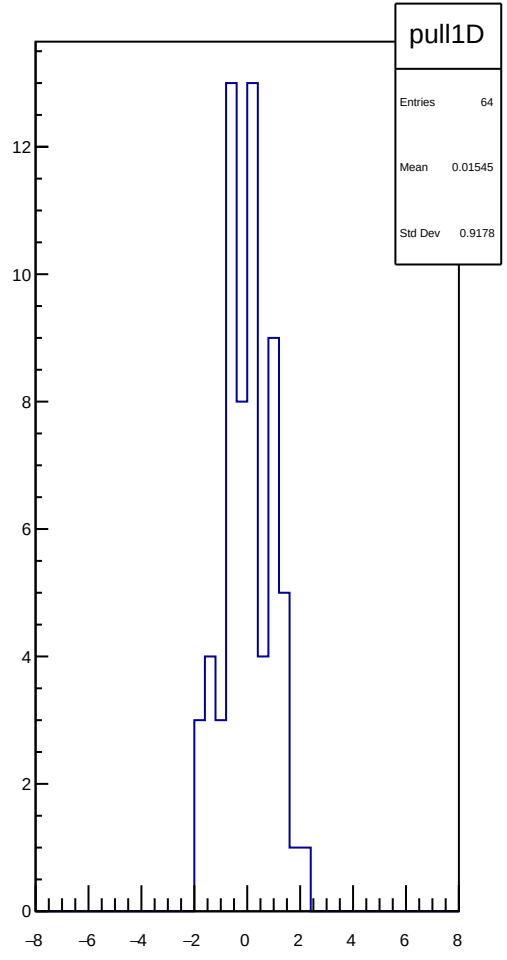

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

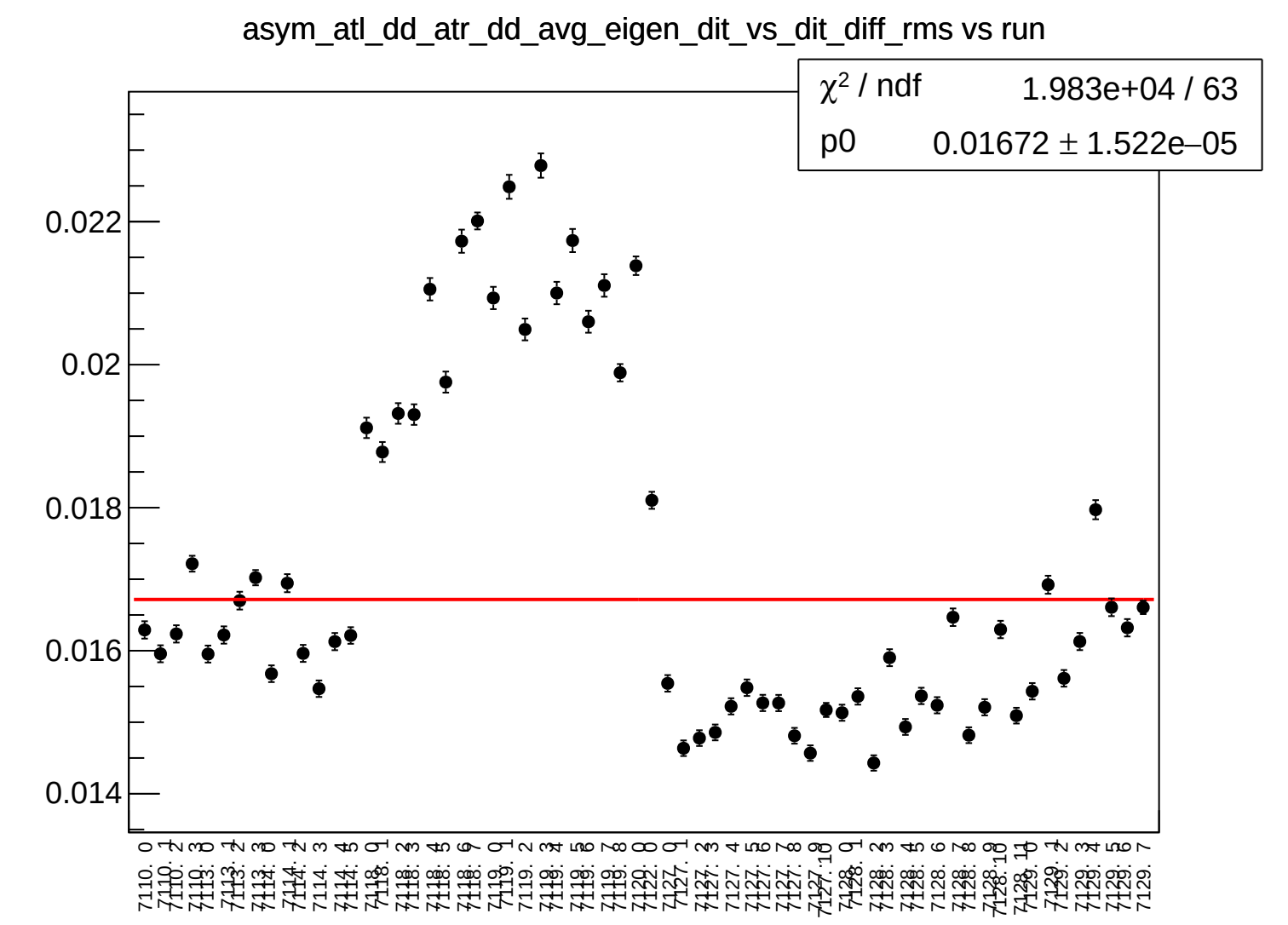

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.0543 ± 0.3642
pull
Entries 64
Mean 68.93
Std Dev 0

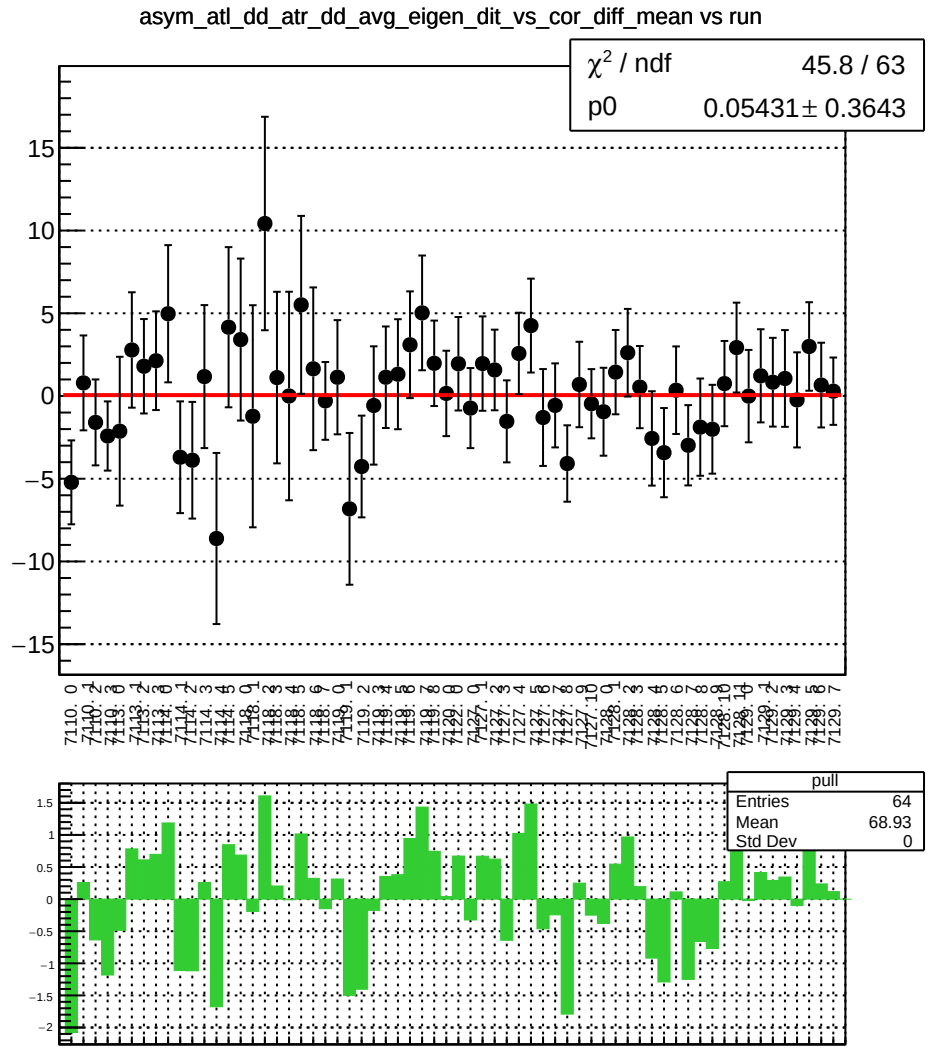

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

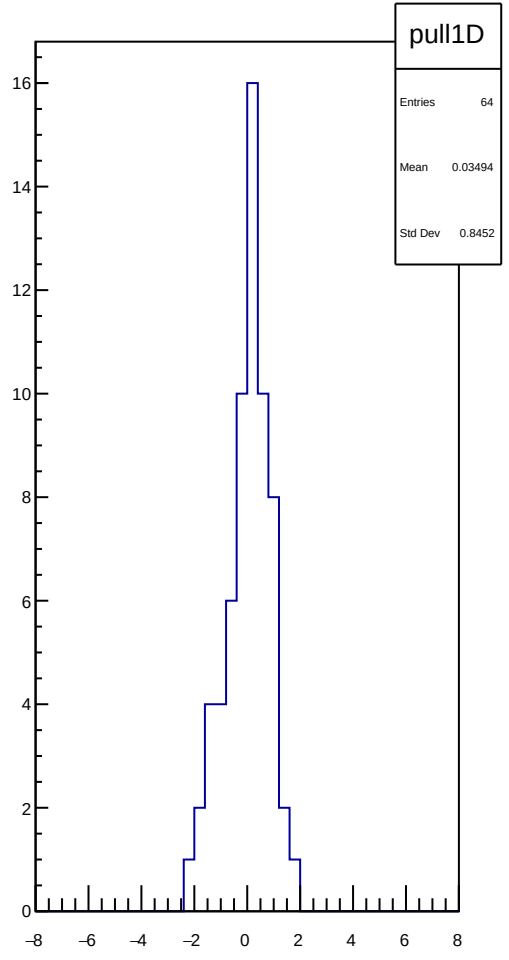

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

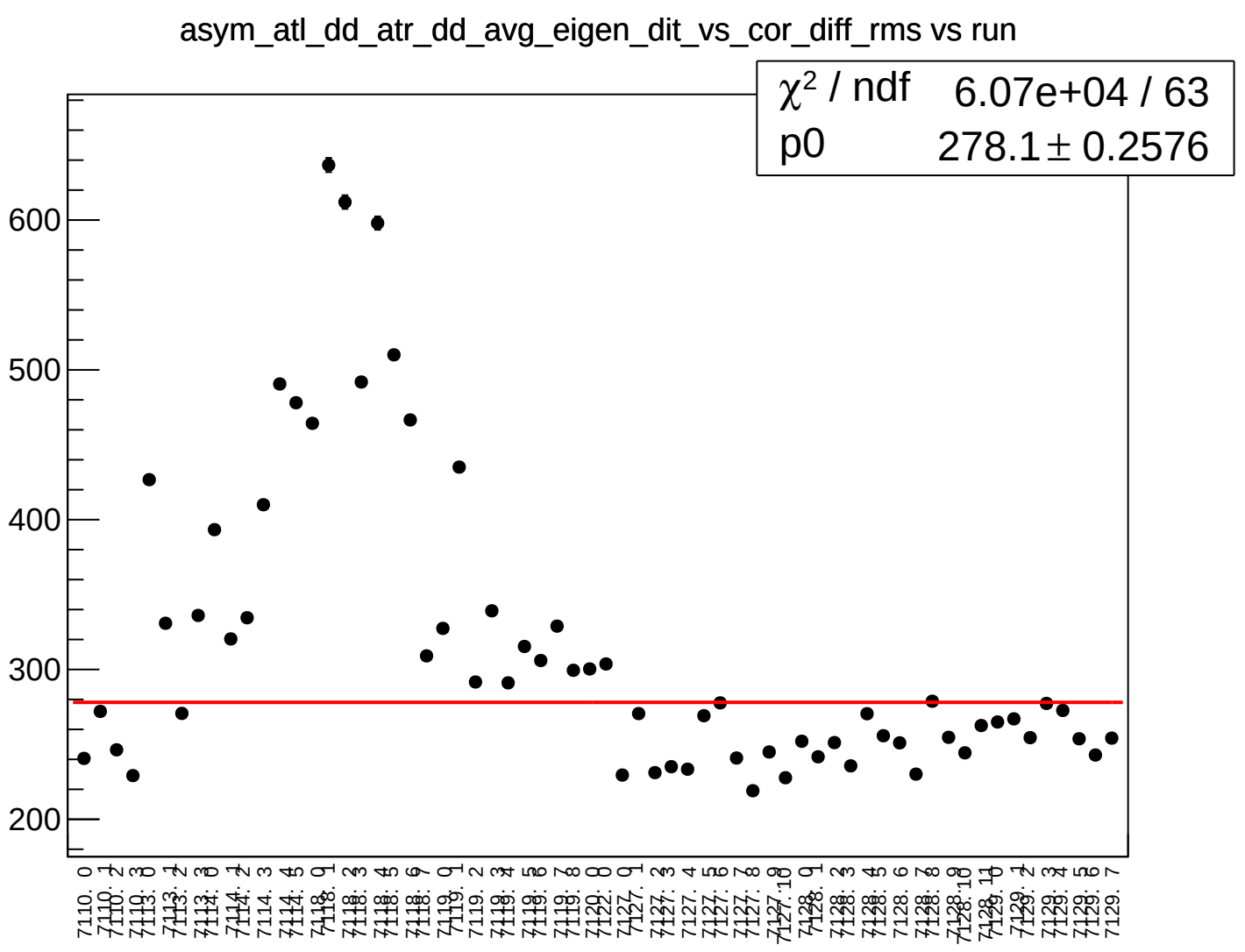

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.93 / 63
p0 1.173e−05 ± 2.152e−05
pull
Entries 64
Mean 184.4
Std Dev 0

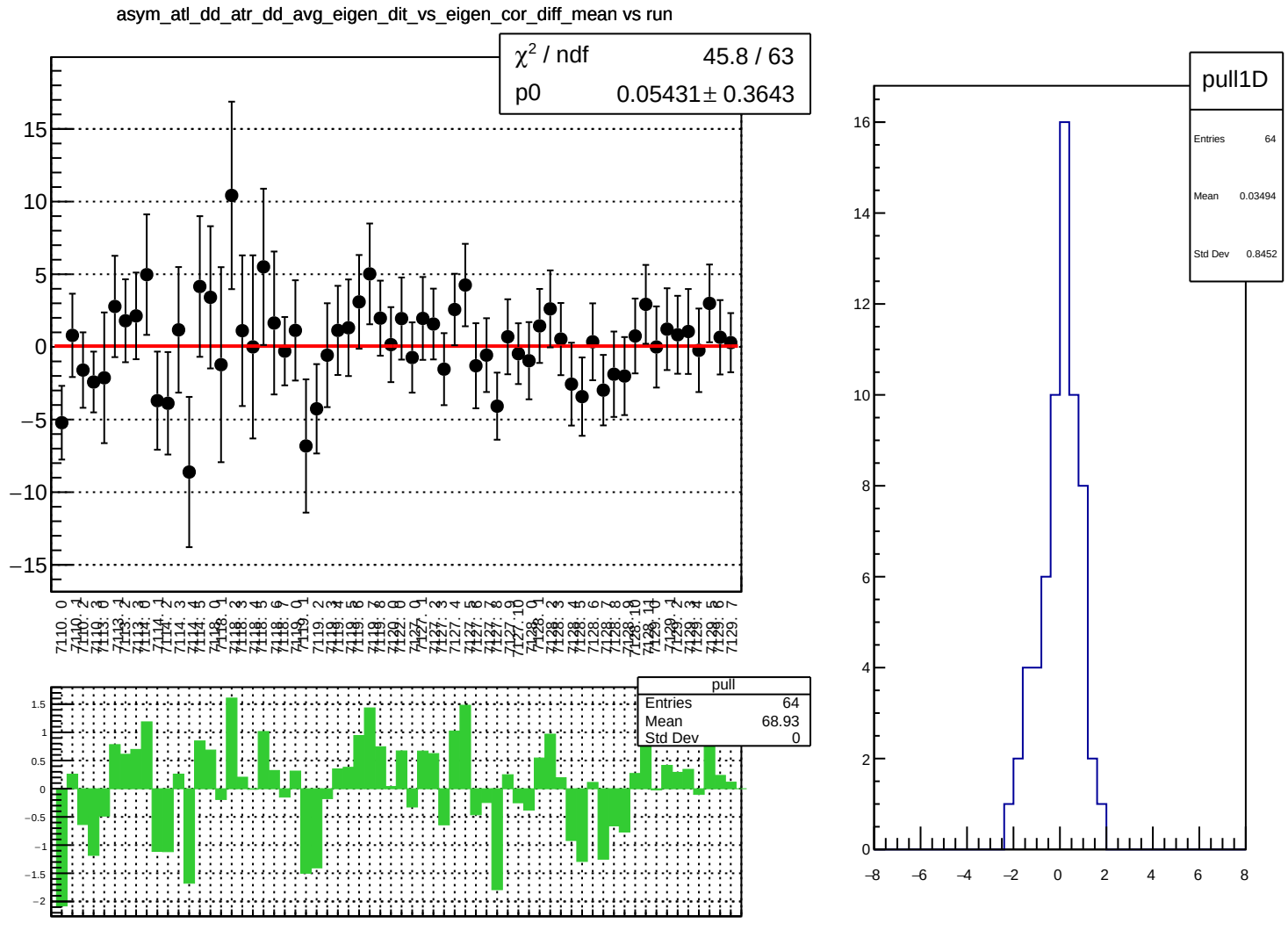

pull1D
Entries 64
Mean 0.01545
Std Dev 0.9178

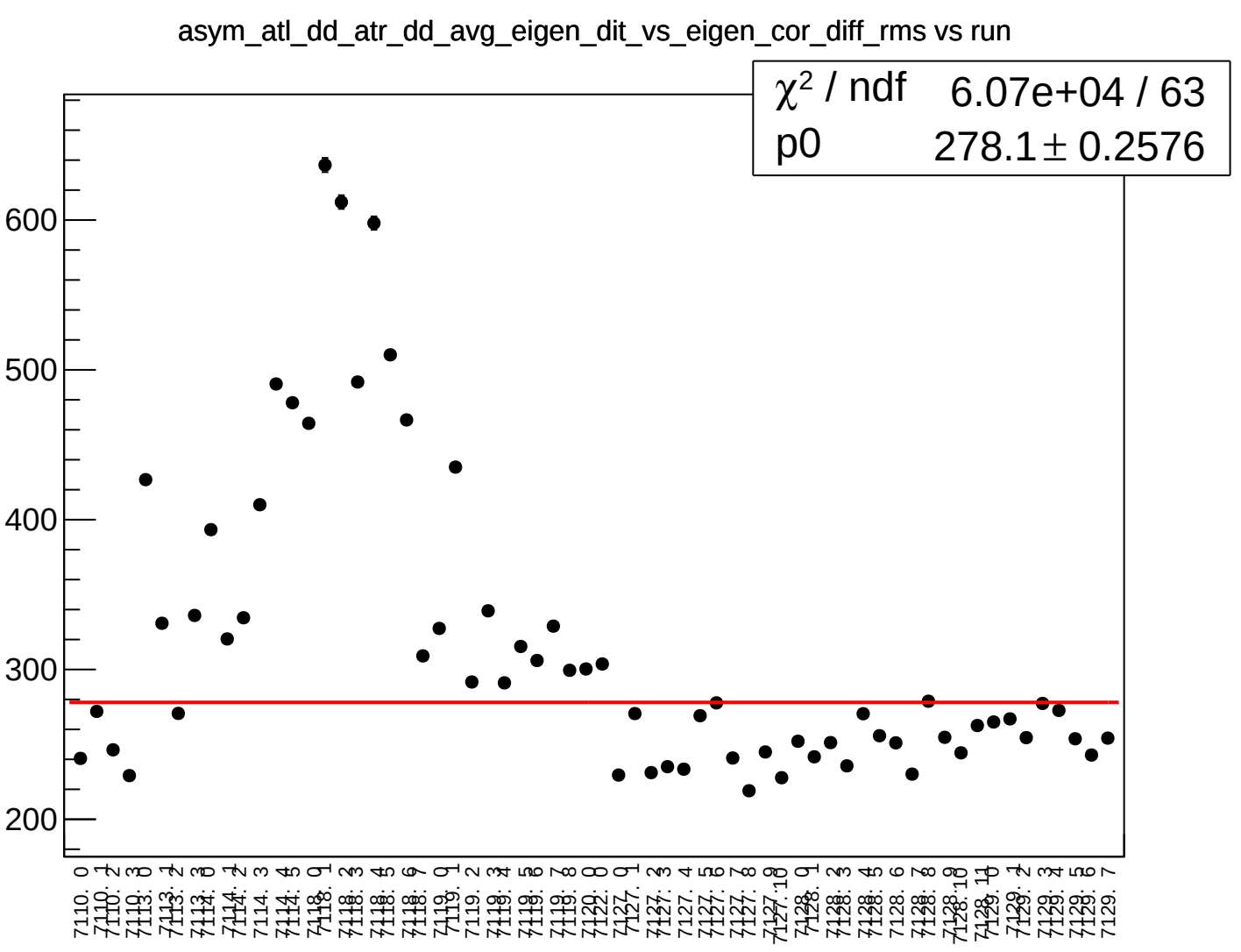

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.983e+04 / 63
p0 0.01672 ± 1.522e–05
0.022
0.02
0.018
0.016
0.014

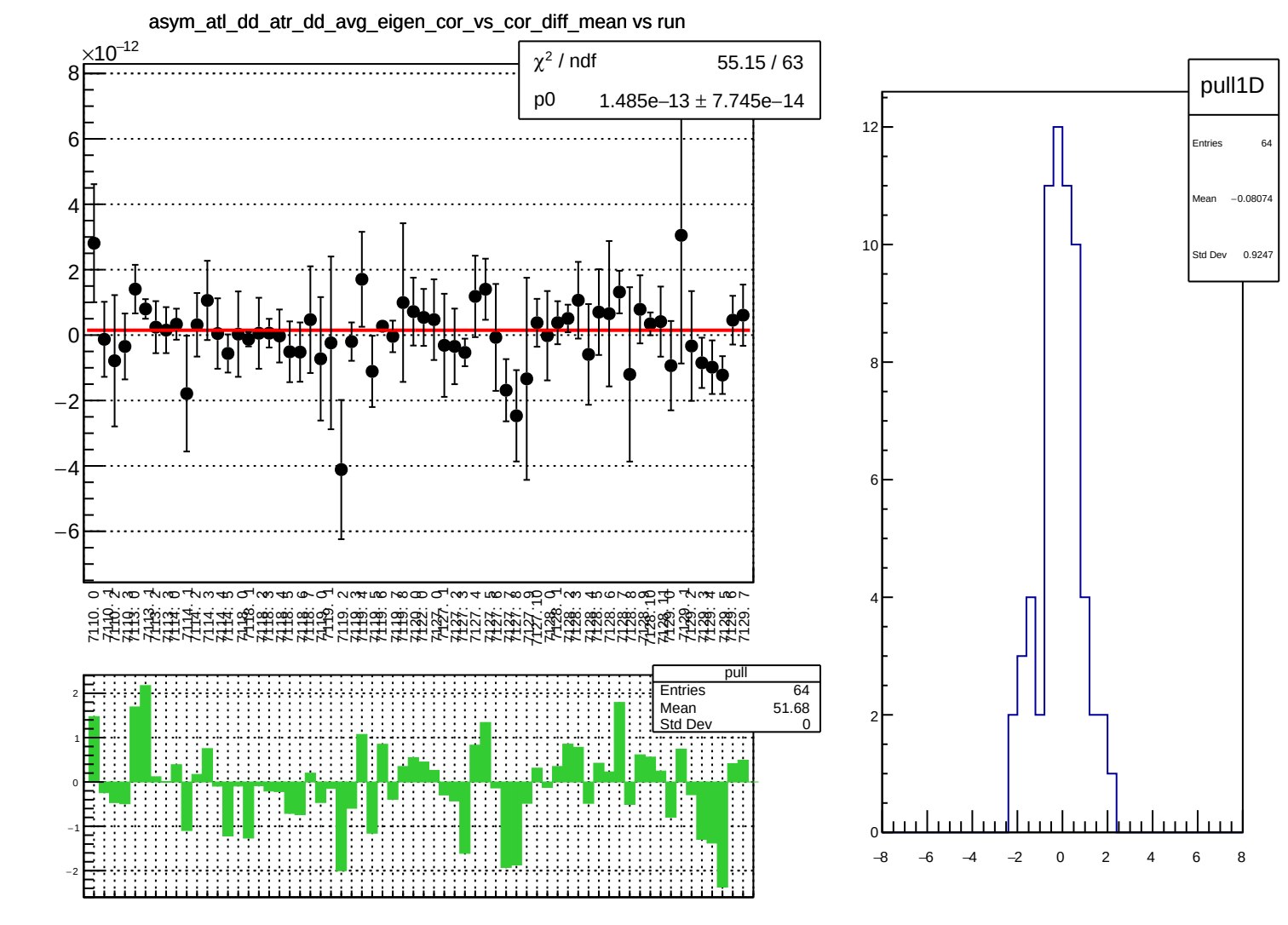

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.05431 ± 0.3643
pull
Entries 64
Mean 68.93
Std Dev 0

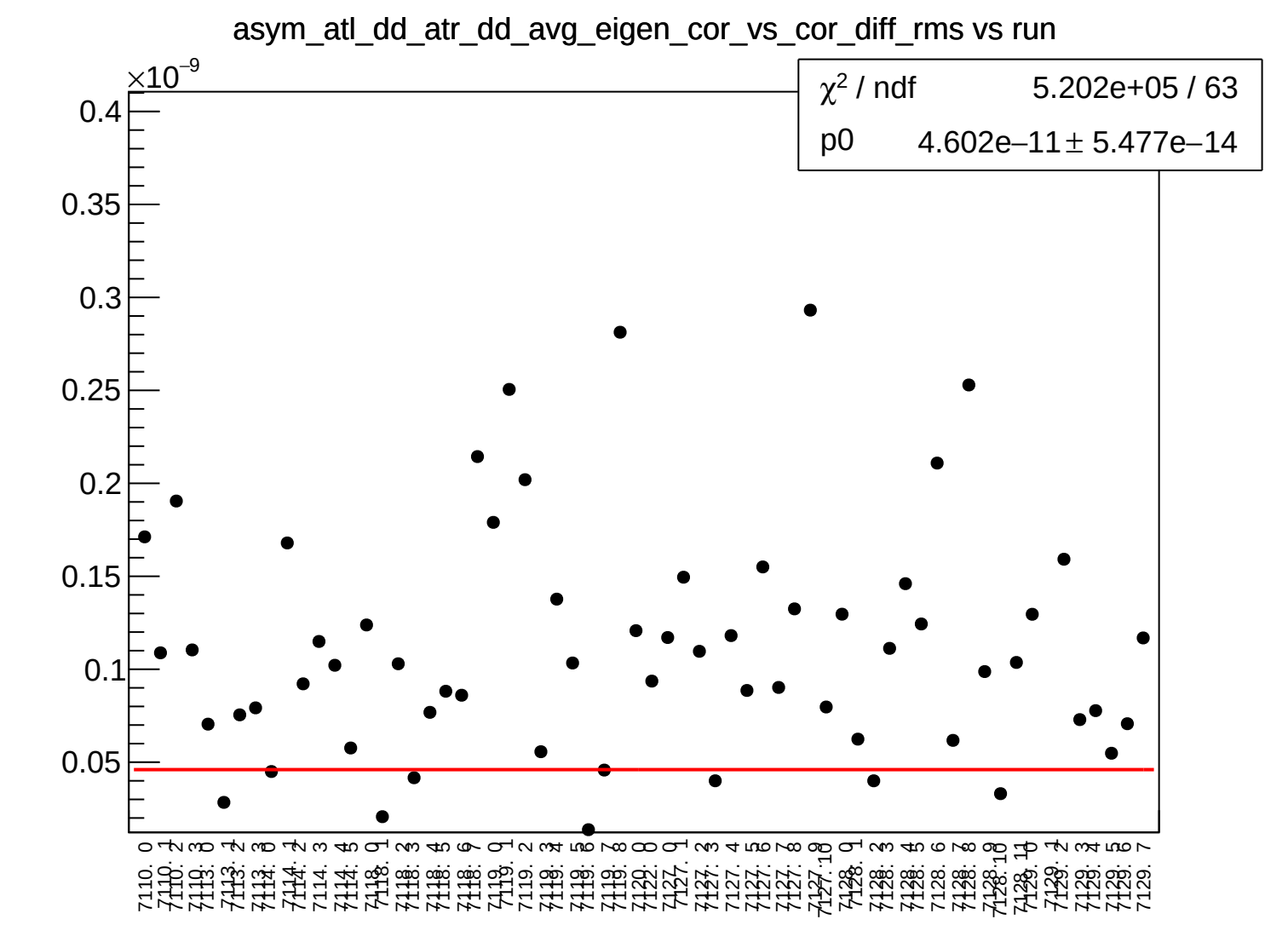

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

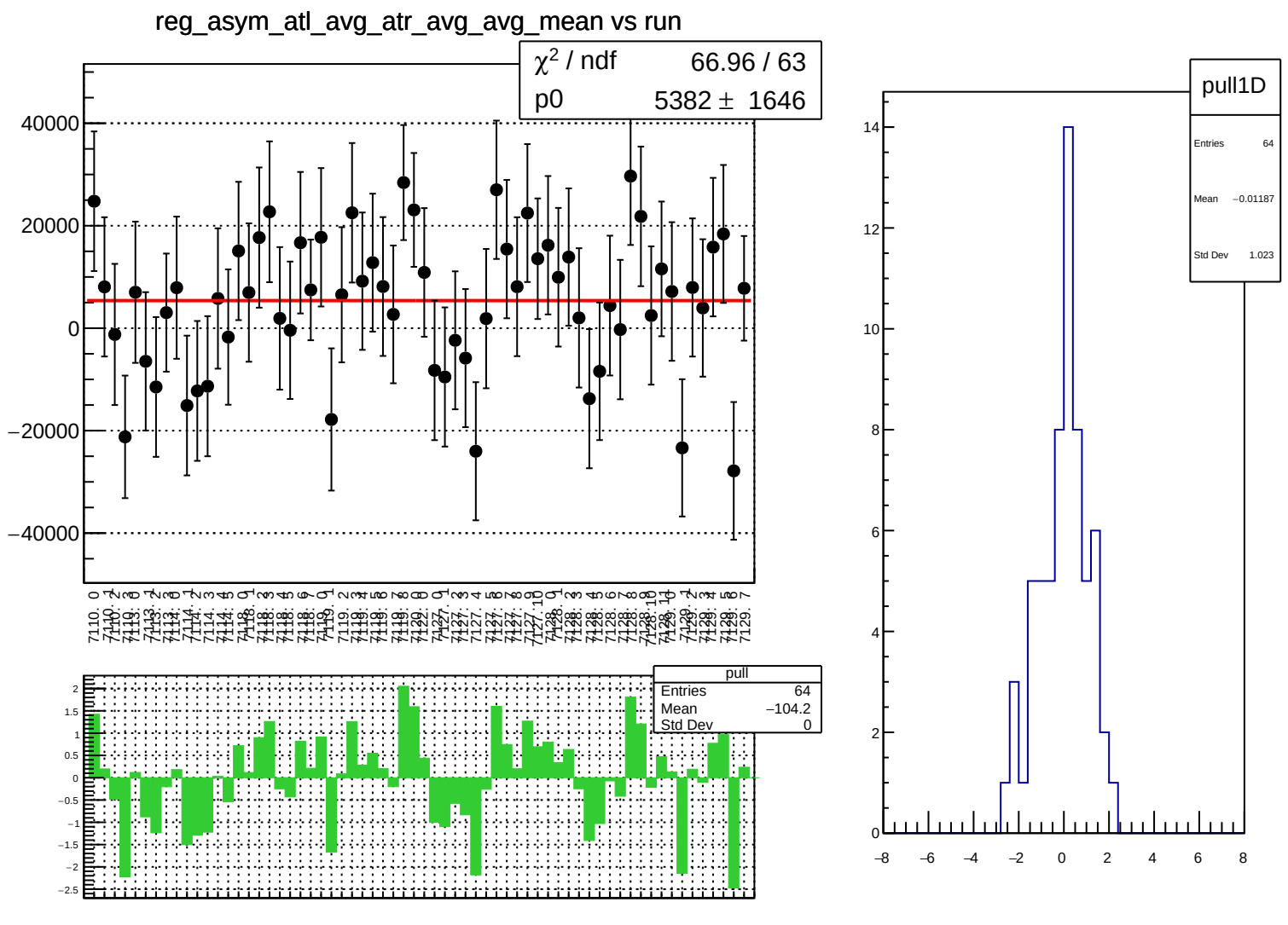

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

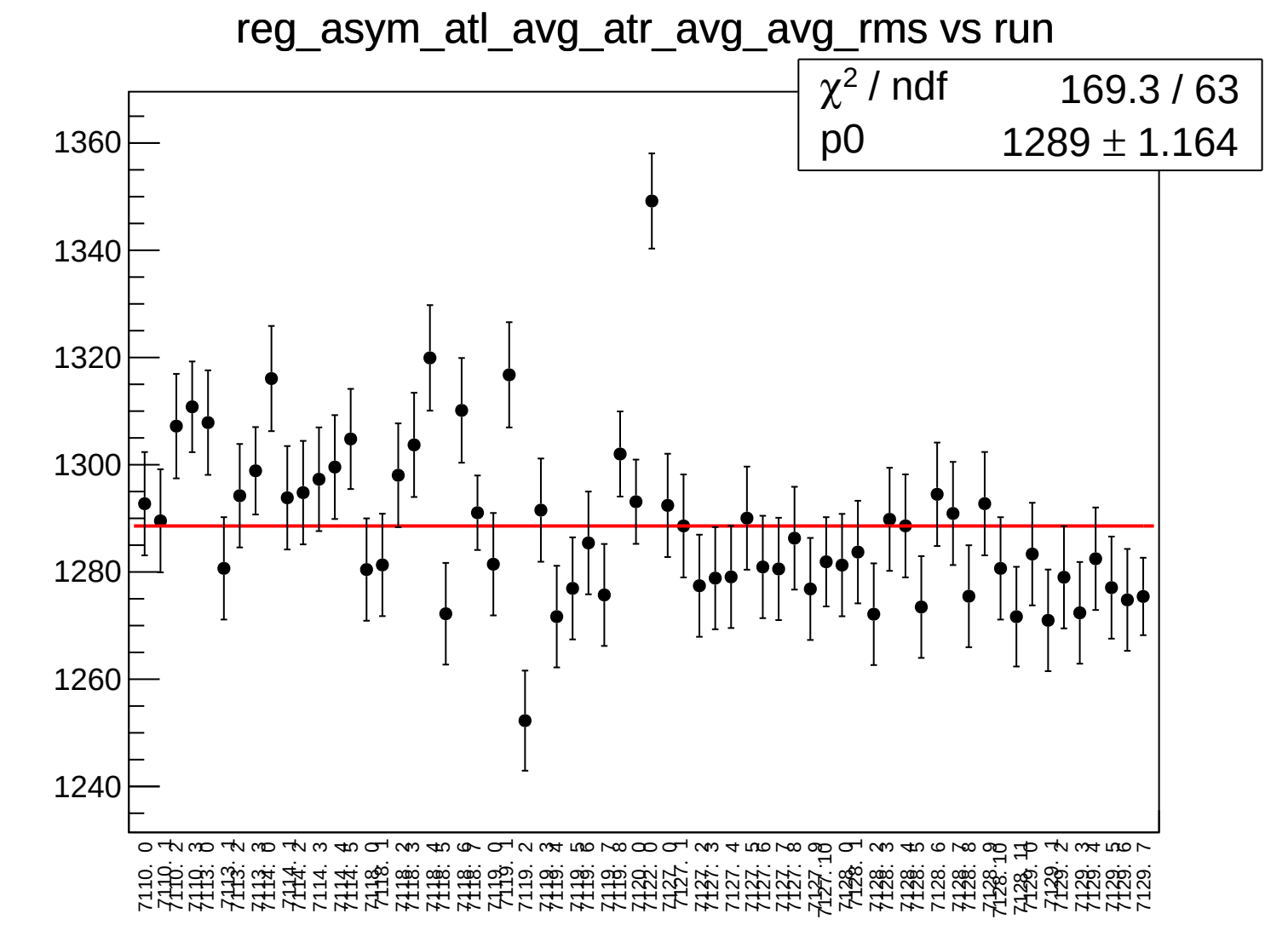

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.05431 ± 0.3643
pull
Entries 64
Mean 68.93
Std Dev 0
pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

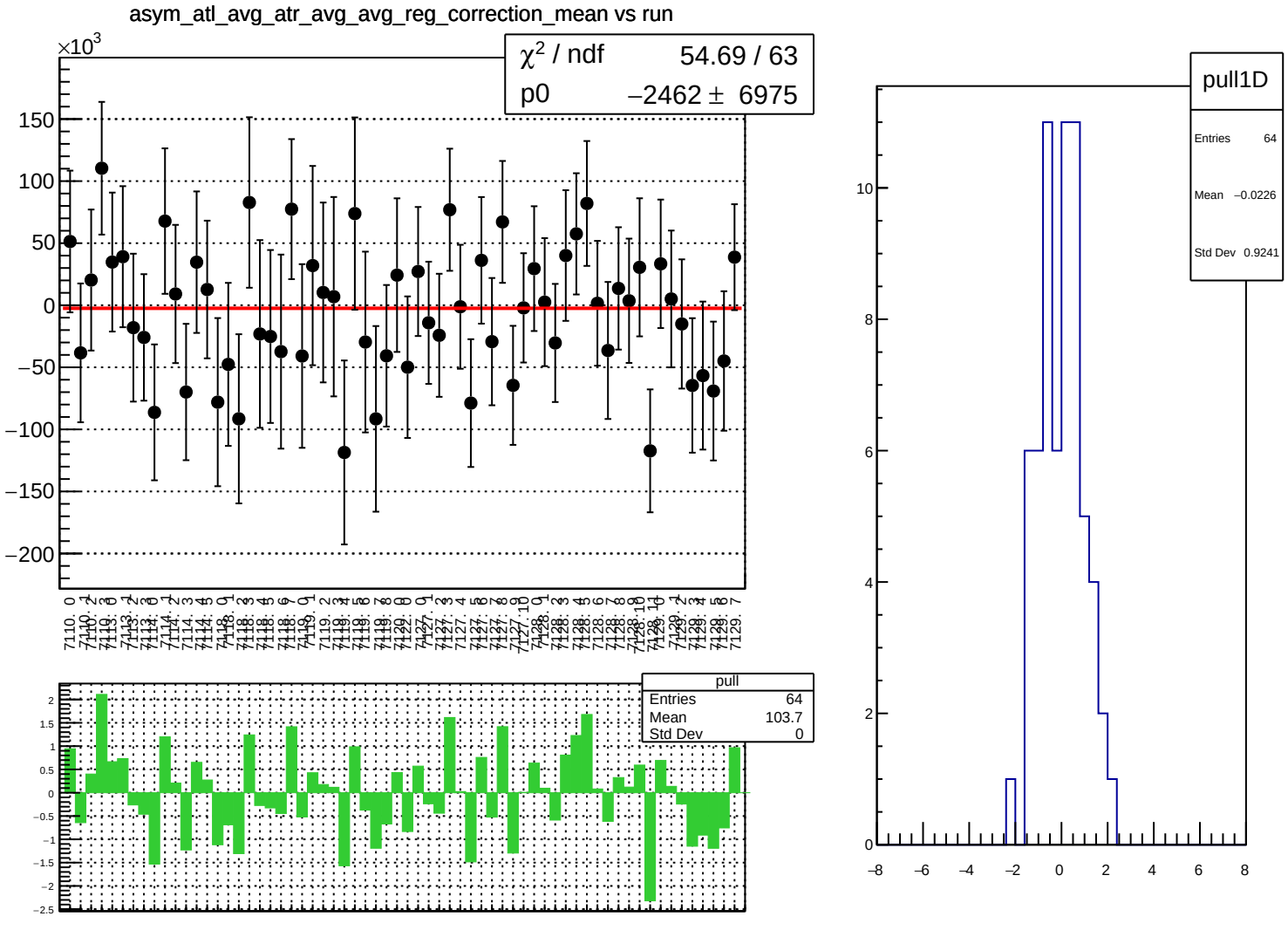

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

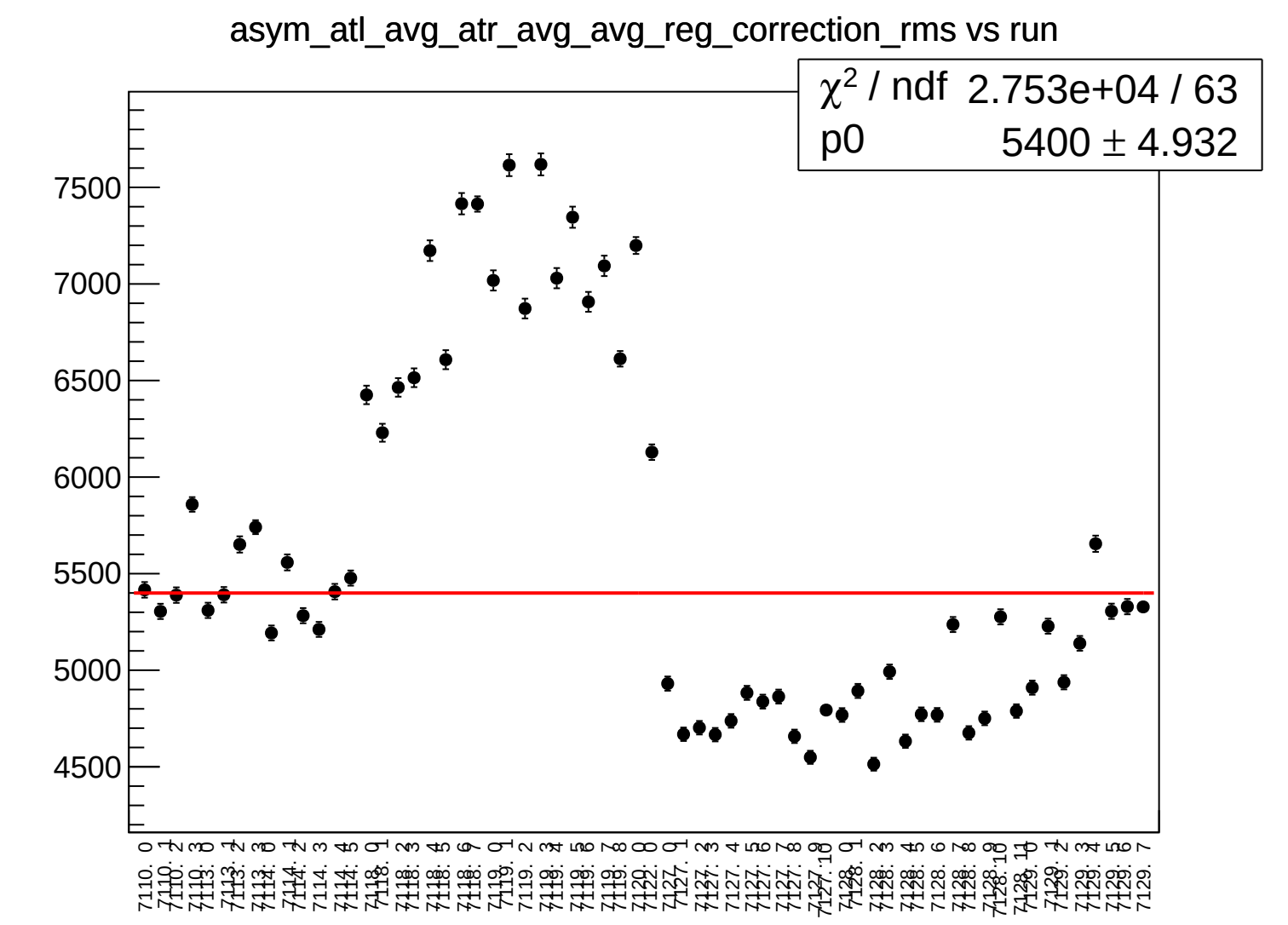

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.15 / 63
p0 1.485e−13 ± 7.745e−14
pull
Entries 64
Mean 51.68
Std Dev 0
pull1D
Entries 64
Mean −0.08074
Std Dev 0.9247

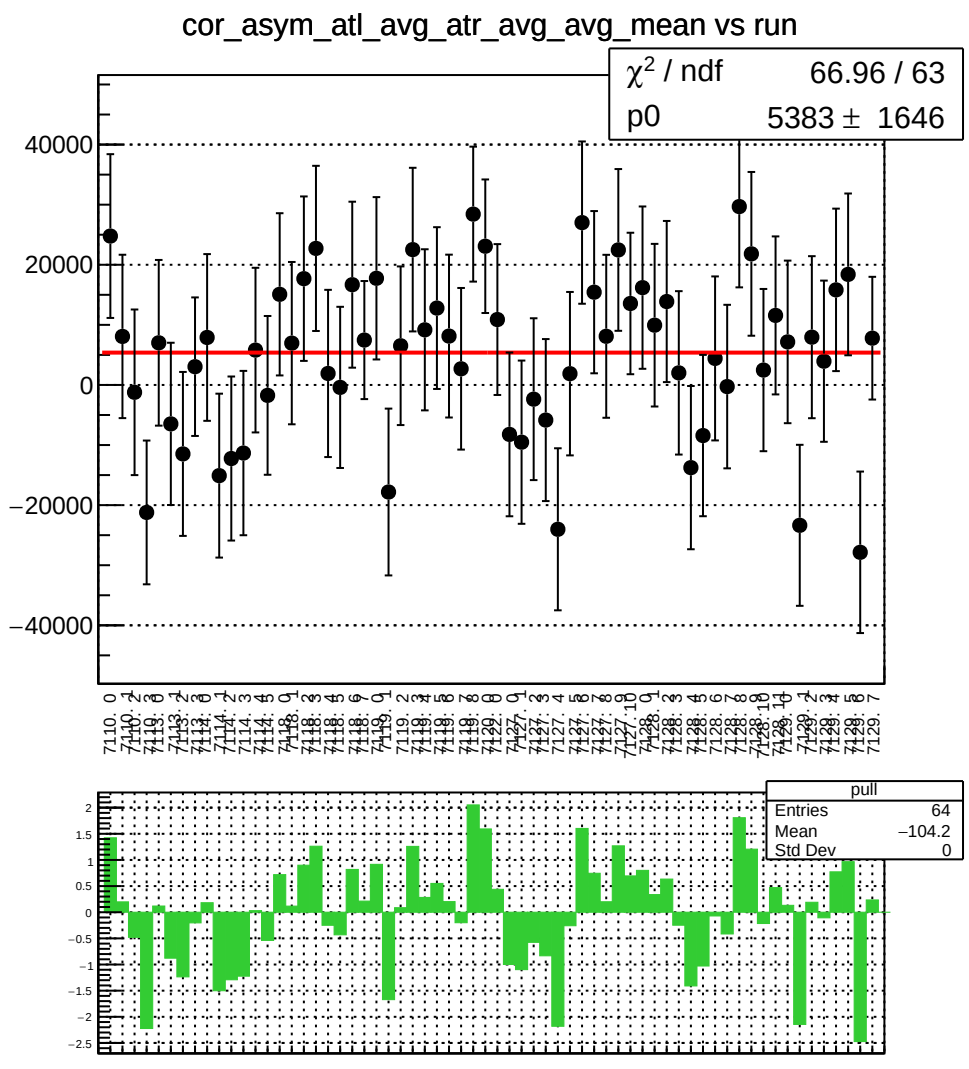

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.202e+05 / 63
p0 4.602e−11 ± 5.477e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

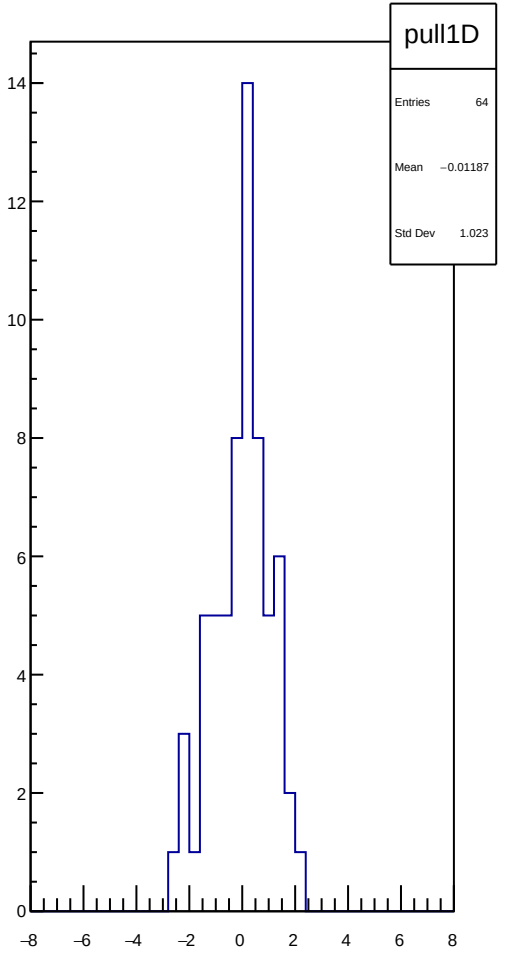

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 66.96 / 63
p0 5382 ± 1646
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −104.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 64
Mean −0.01187
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

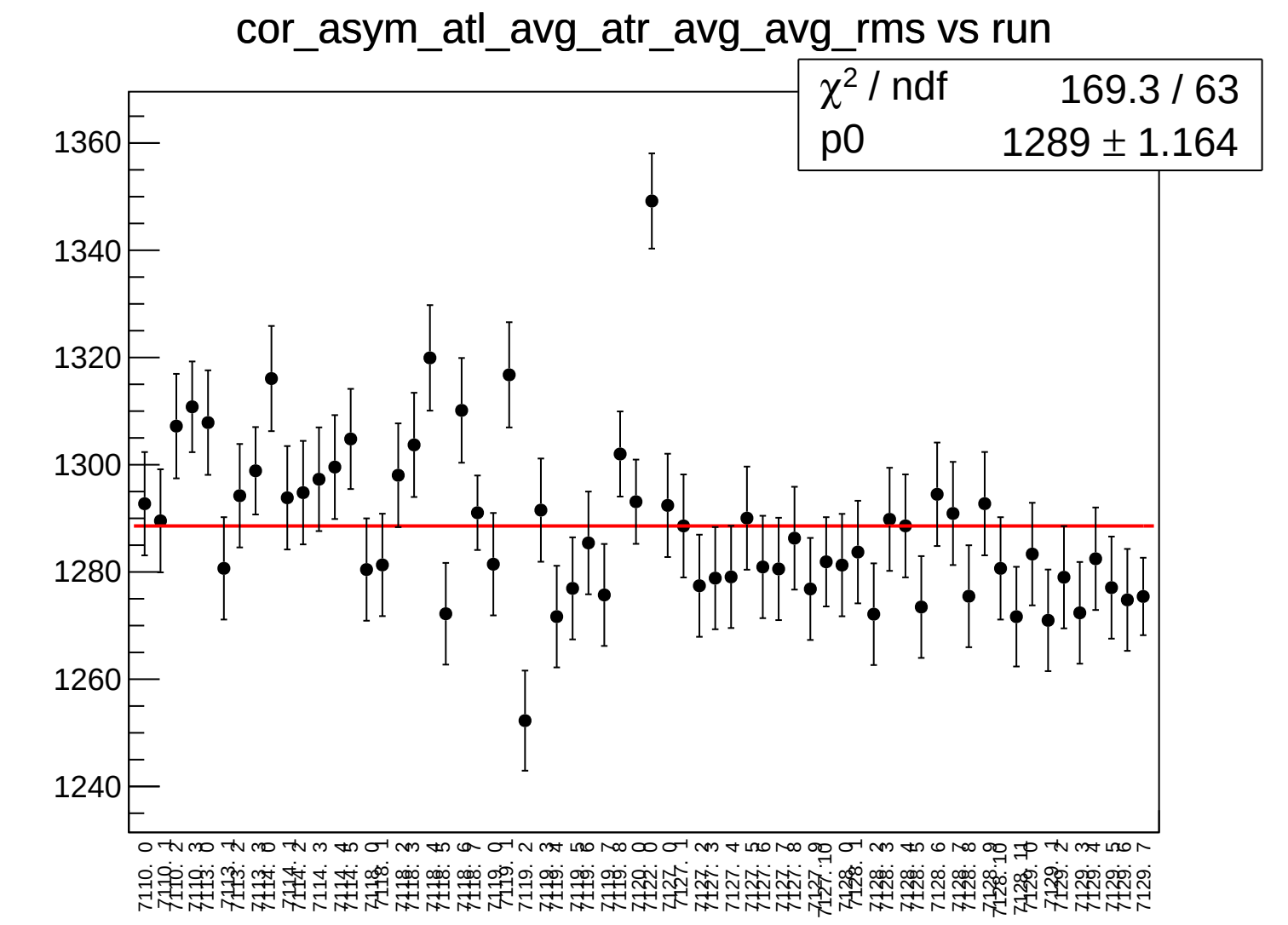

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 169.3 / 63
p0 1289 ± 1.164
1360
1340
1320
1300
1280
1260
1240

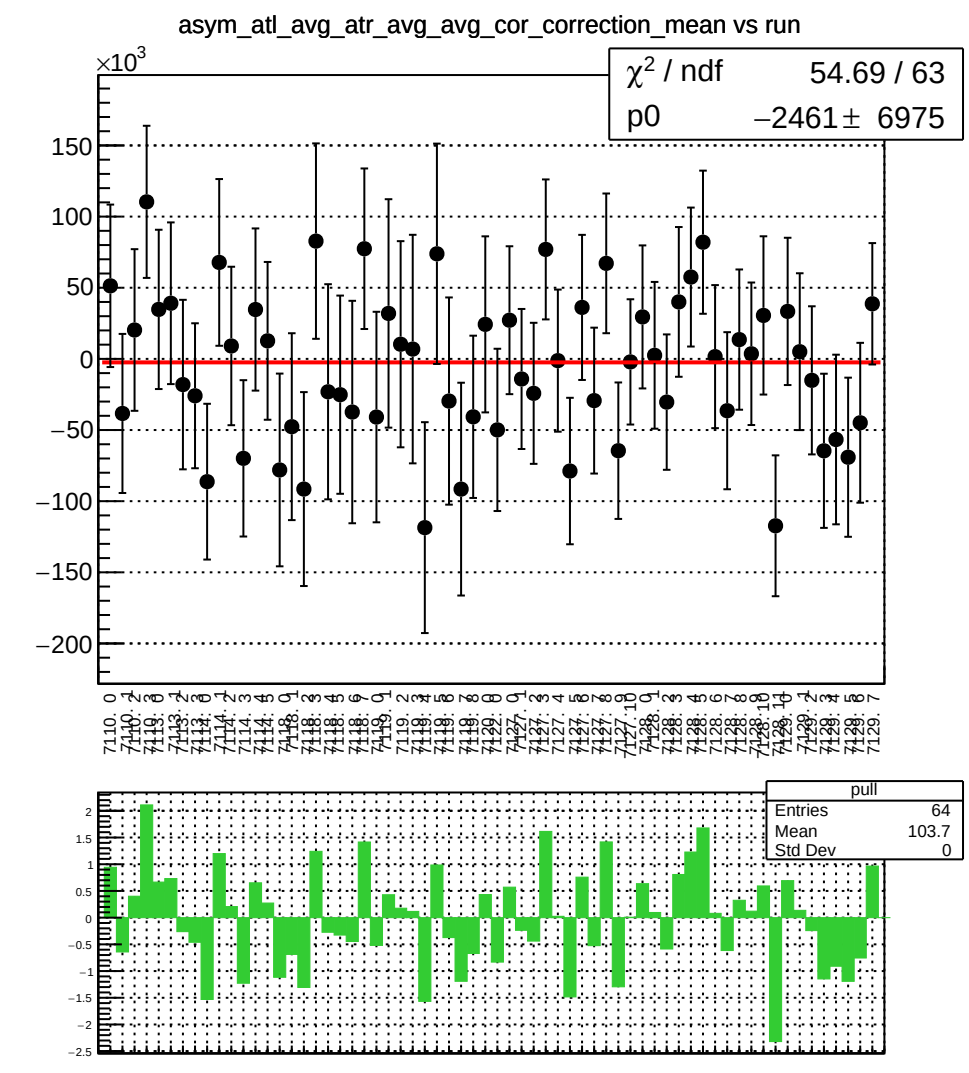

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
χ² / ndf 54.69 / 63
p0 −2462 ± 6975
pull
Entries 64
Mean 103.7
Std Dev 0
pull1D
Entries 64
Mean −0.0226
Std Dev 0.9241

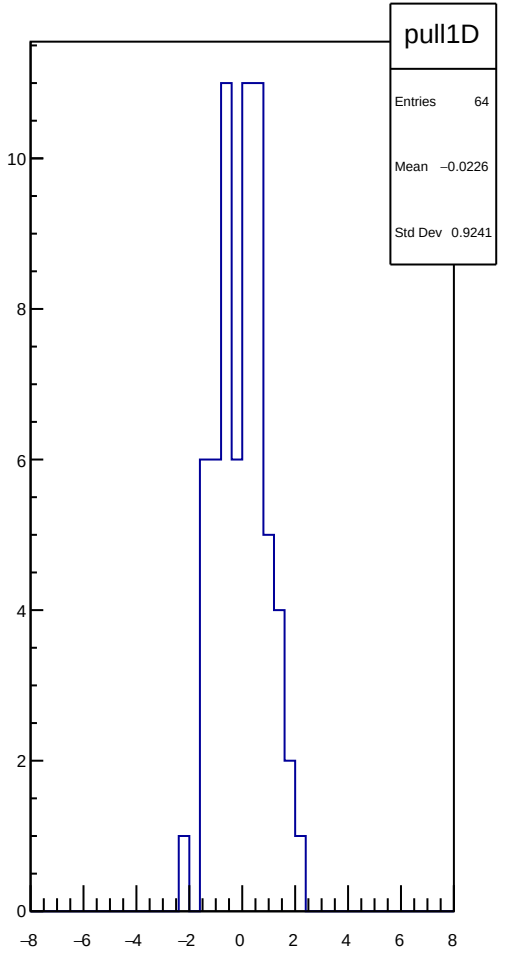

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.753e+04 / 63
p0 5400 ± 4.932
7500
7000
6500
6000
5500
5000
4500

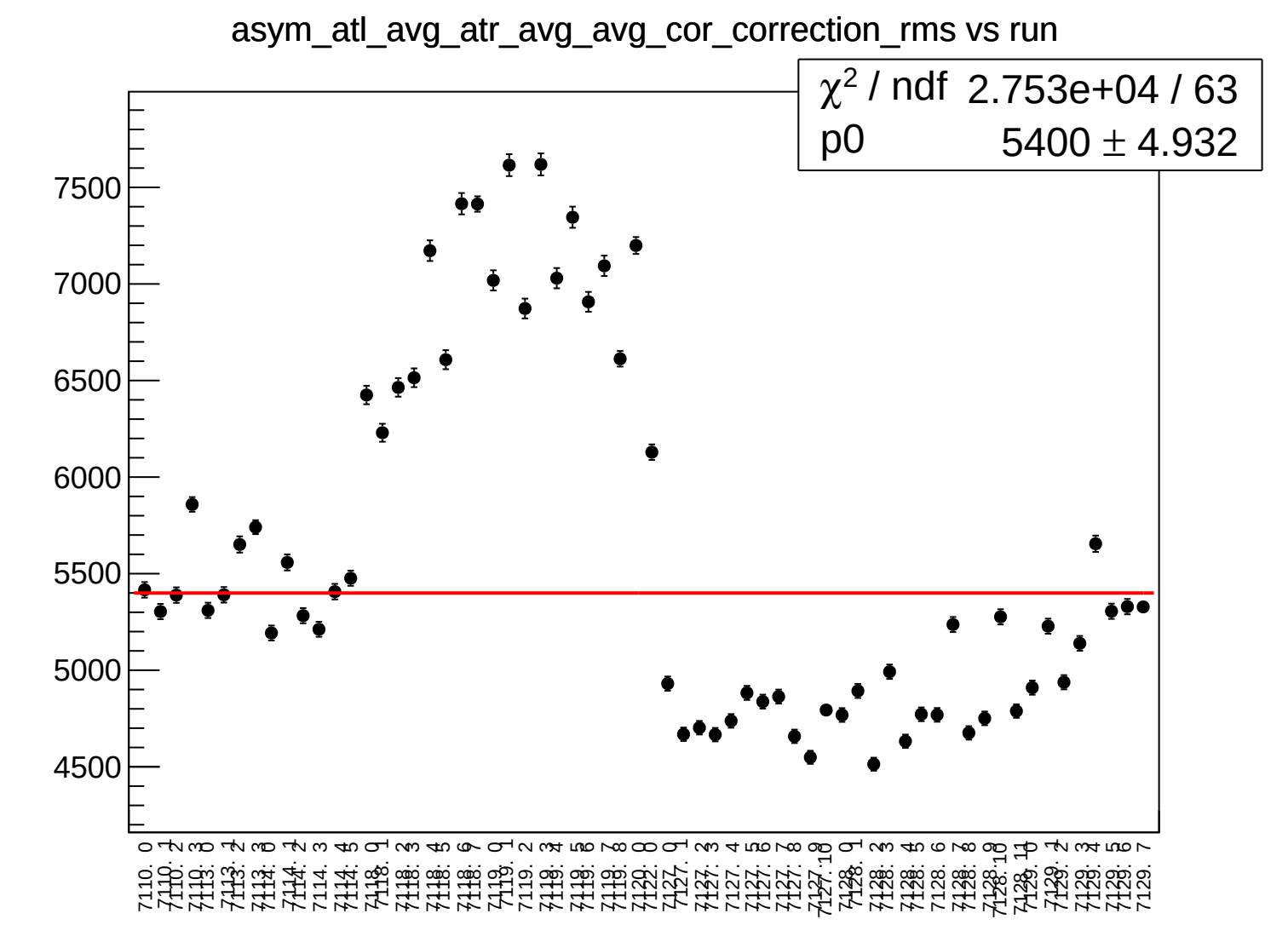

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 66.96 / 63
p0 5383 ± 1646
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −104.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

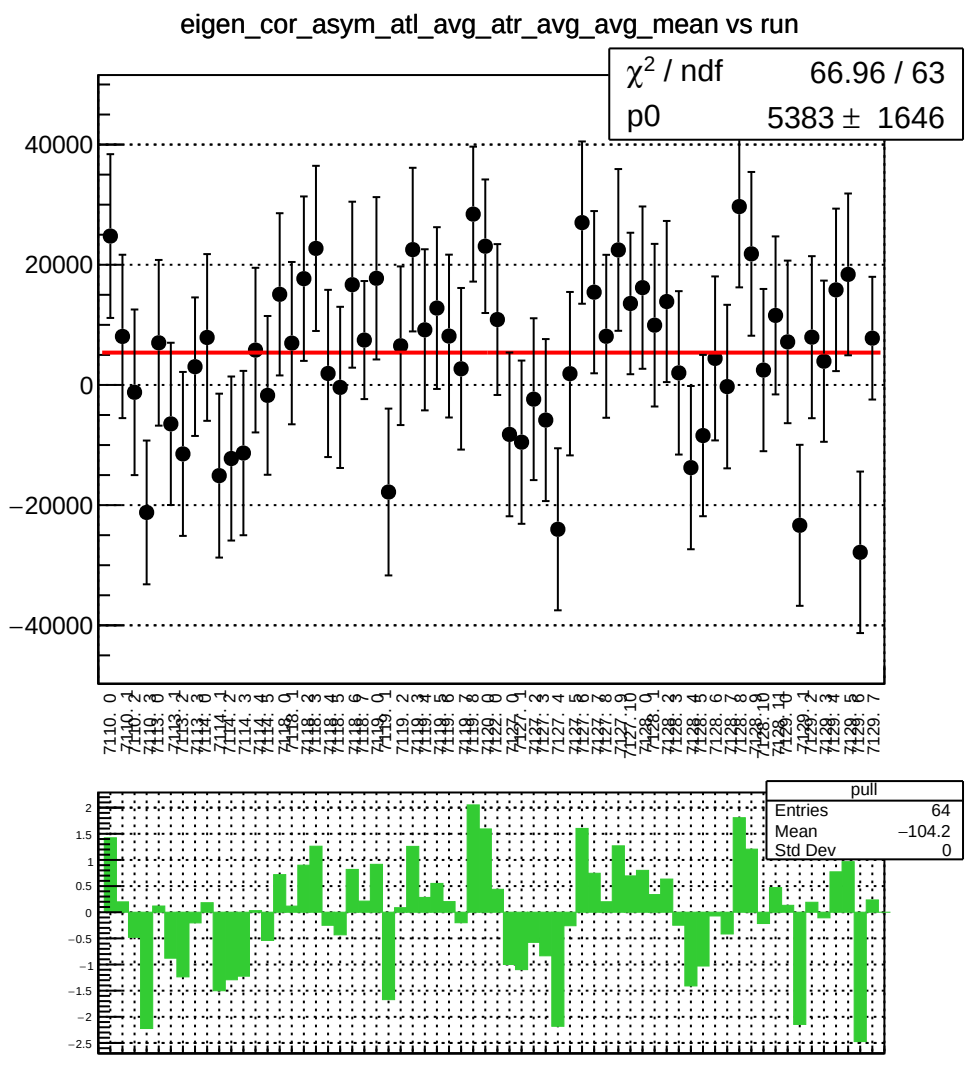

pull1D
Entries 64
Mean −0.01187
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

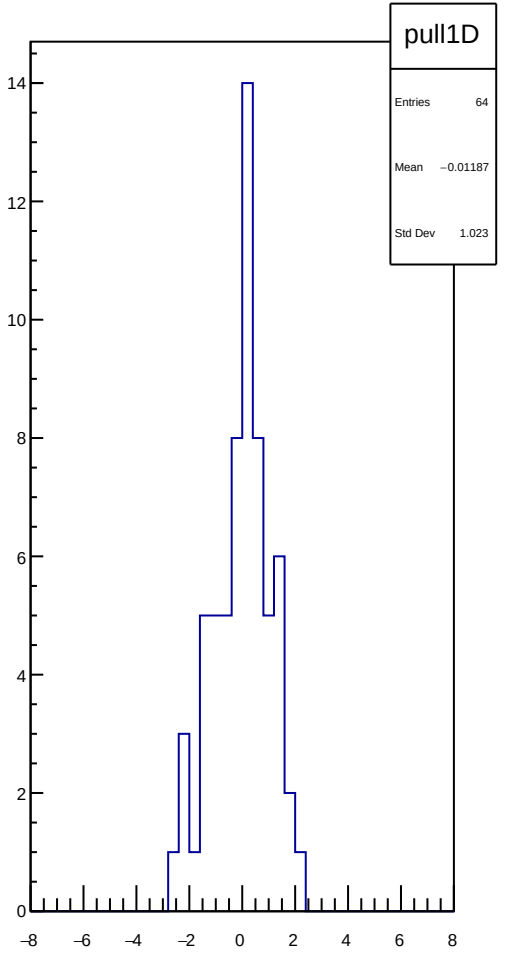

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 169.3 / 63
p0 1289 ± 1.164
1360
1340
1320
1300
1280
1260
1240

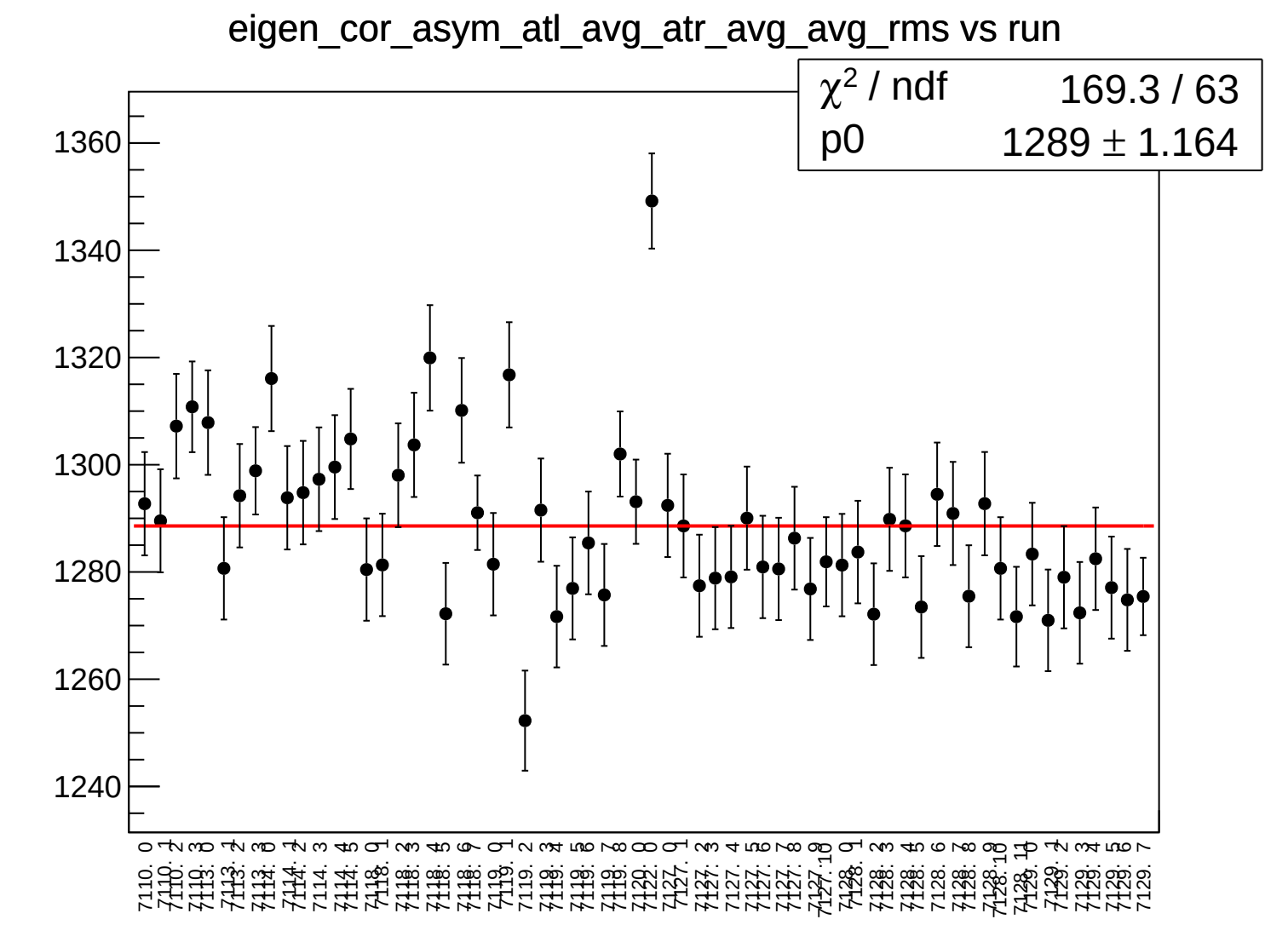

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.69 / 63
p0 −2461 ± 6975
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 103.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

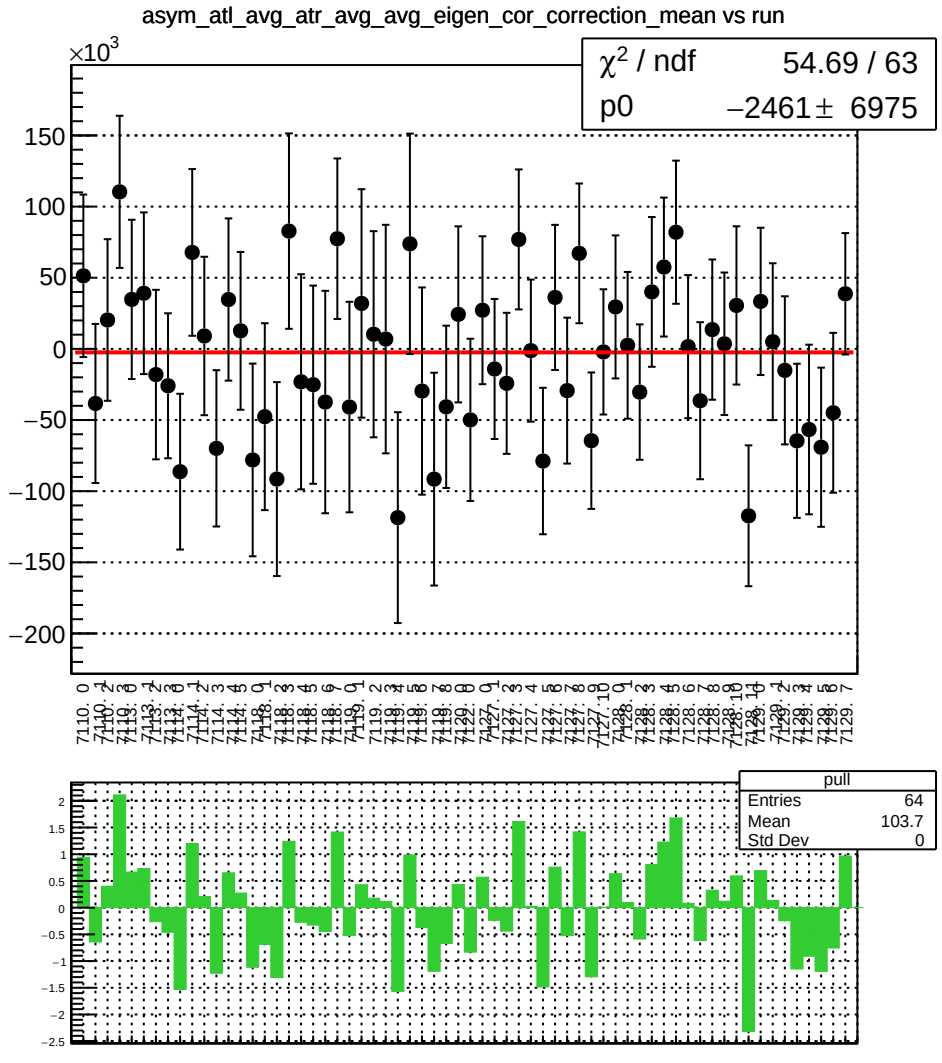

pull1D
Entries 64
Mean −0.0226
Std Dev 0.9241
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

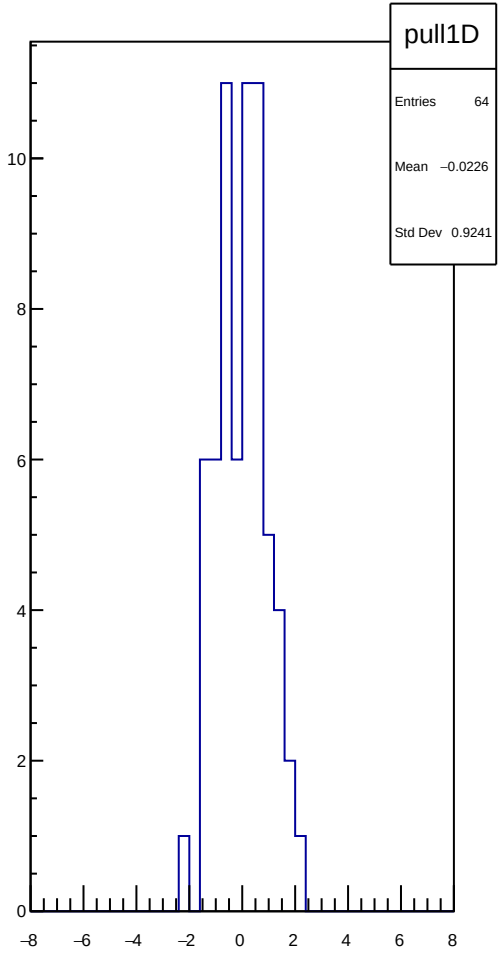

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.753e+04 / 63
p0 5400 ± 4.932
7500
7000
6500
6000
5500
5000
4500

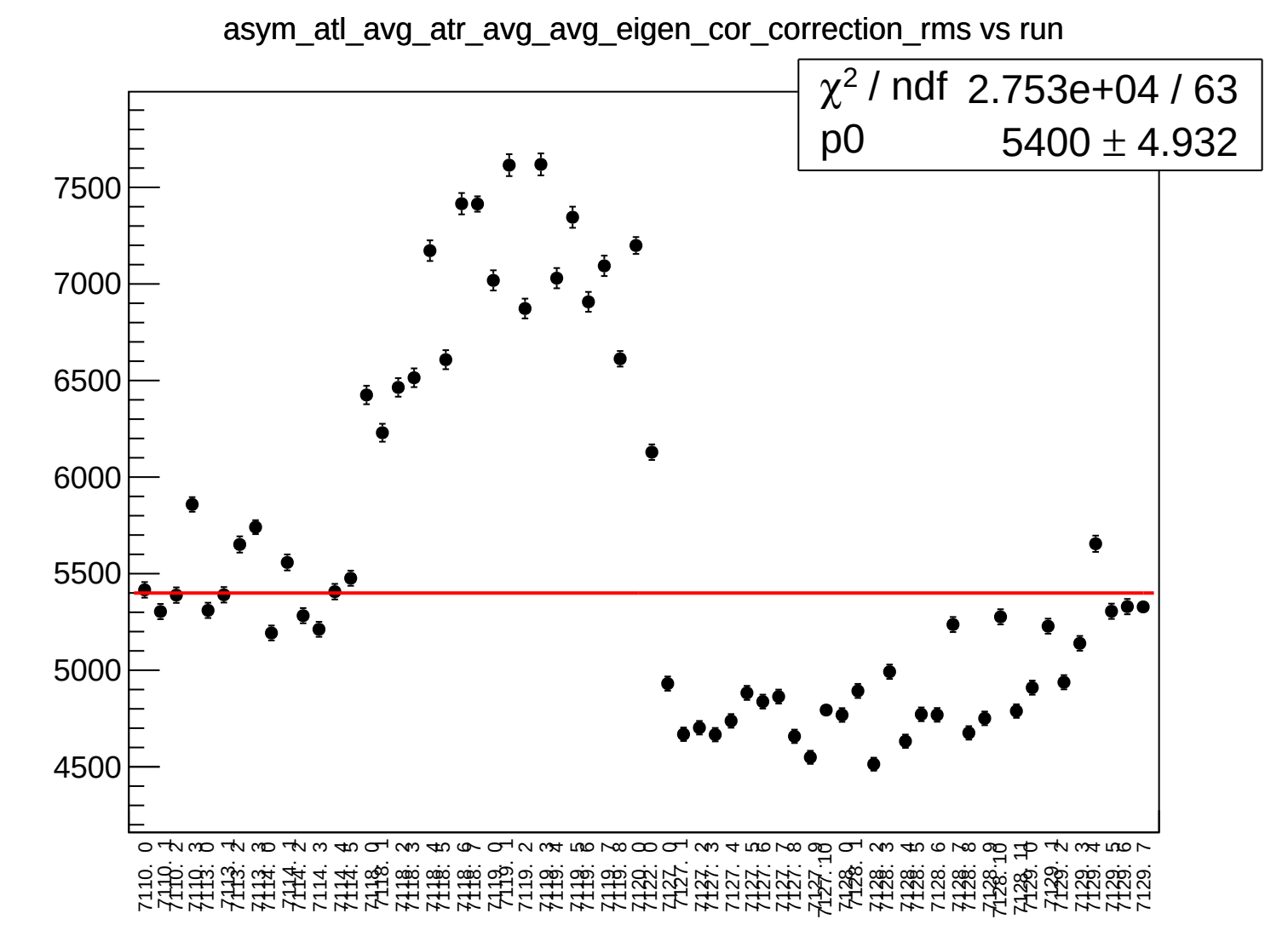

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 66.96 / 63
p0 5383 ± 1646
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −104.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

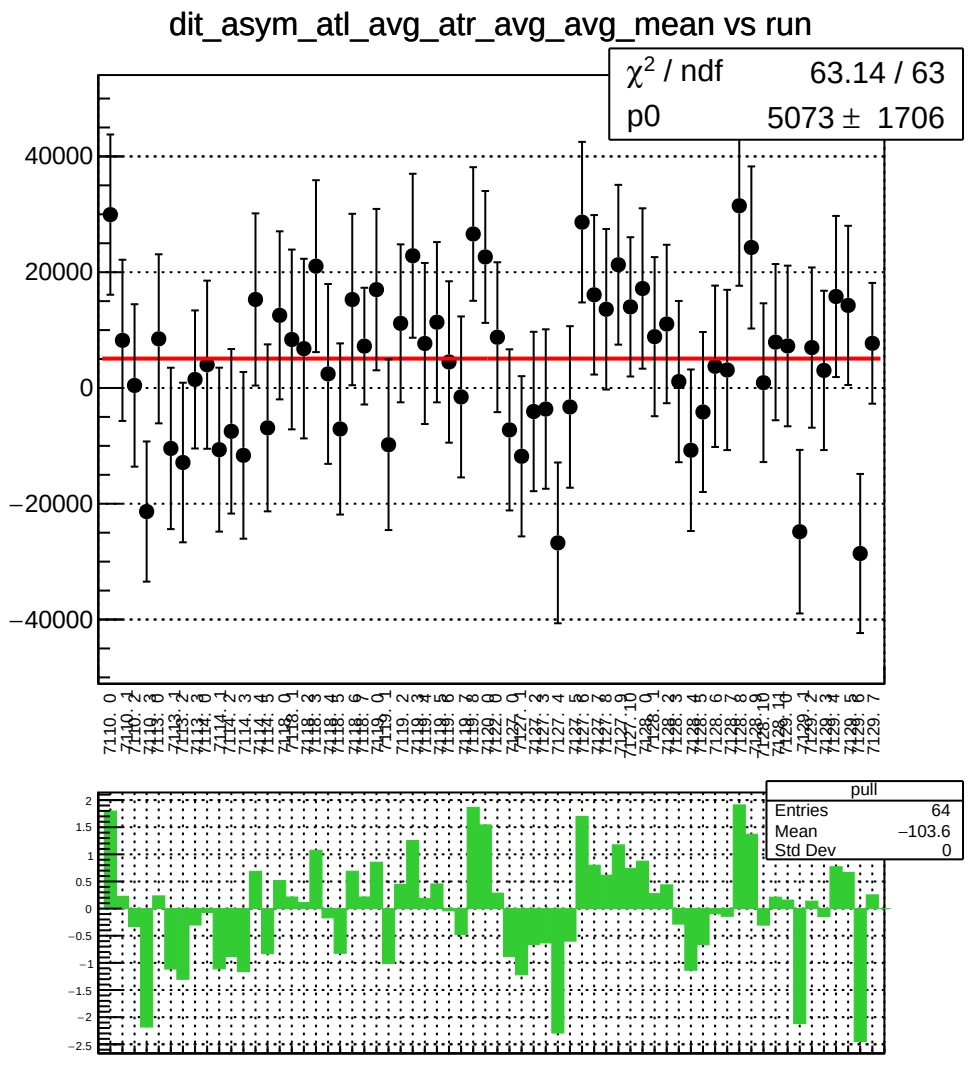

pull1D
Entries 64
Mean −0.01187
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

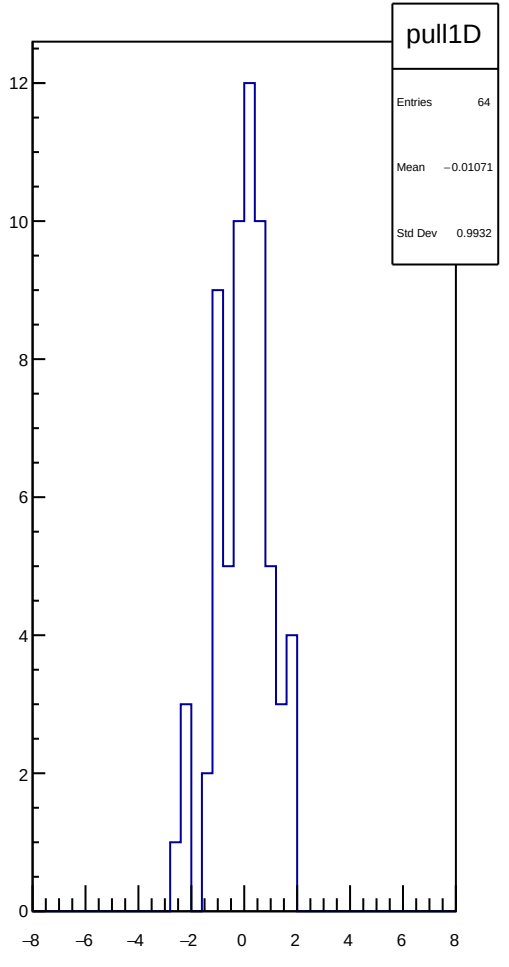

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 169.3 / 63
p0 1289 ± 1.164
1360
1340
1320
1300
1280
1260
1240

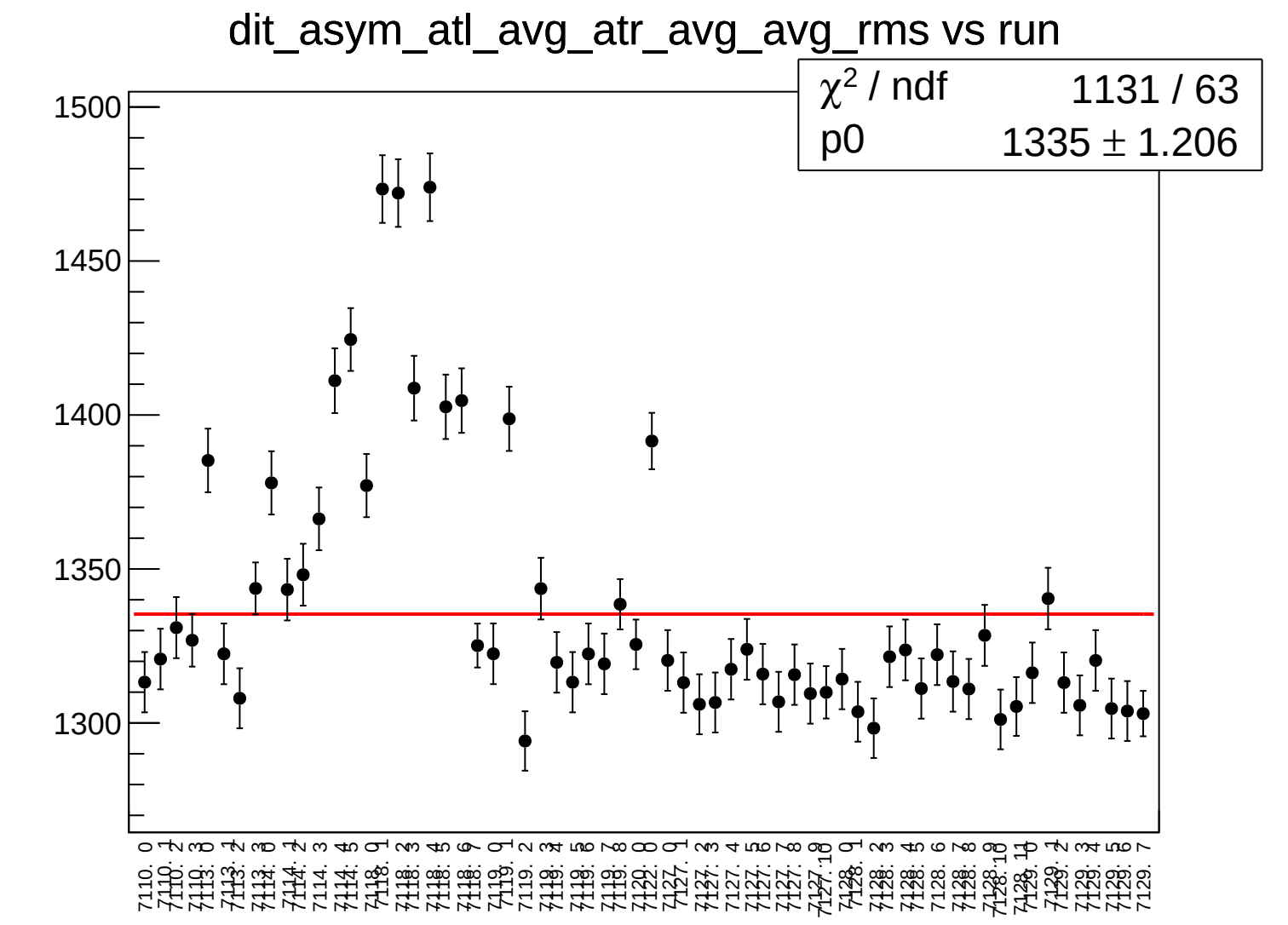

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.69 / 63
p0 −2461 ± 6975
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 103.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

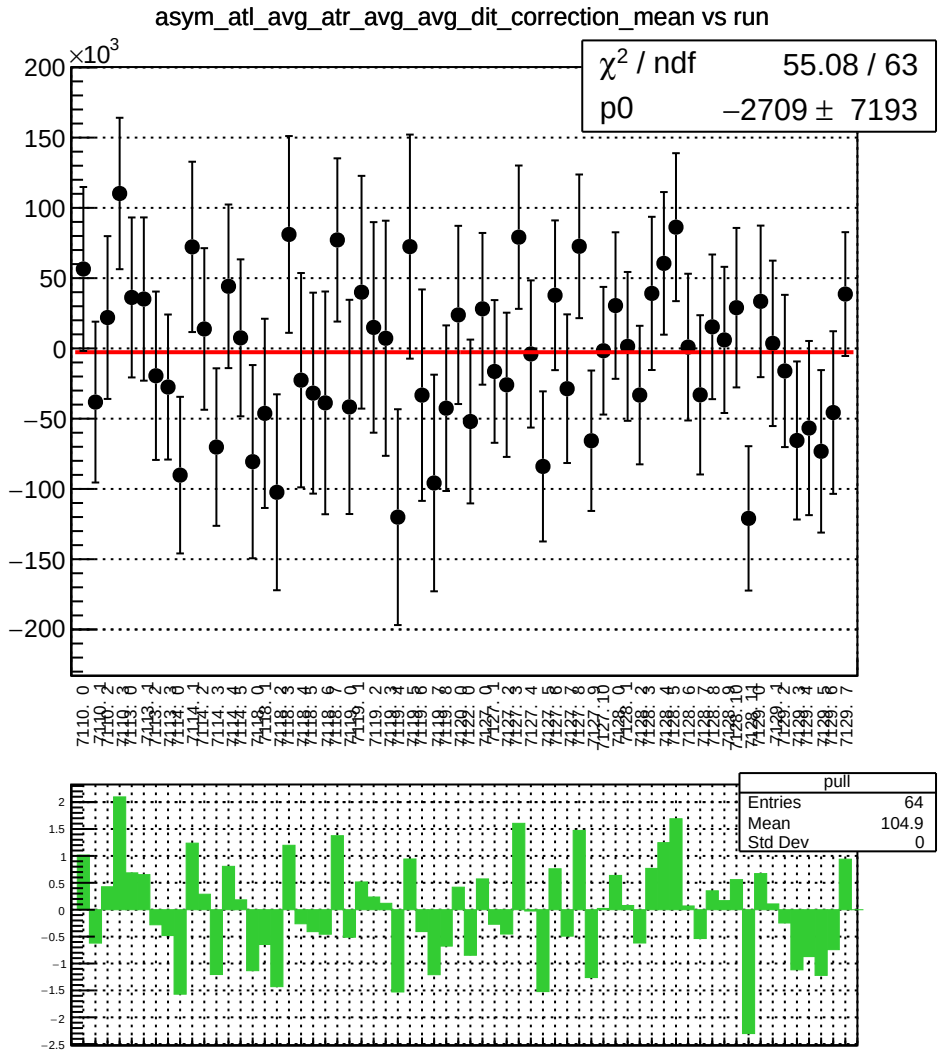

pull1D
Entries 64
Mean −0.0226
Std Dev 0.9241
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

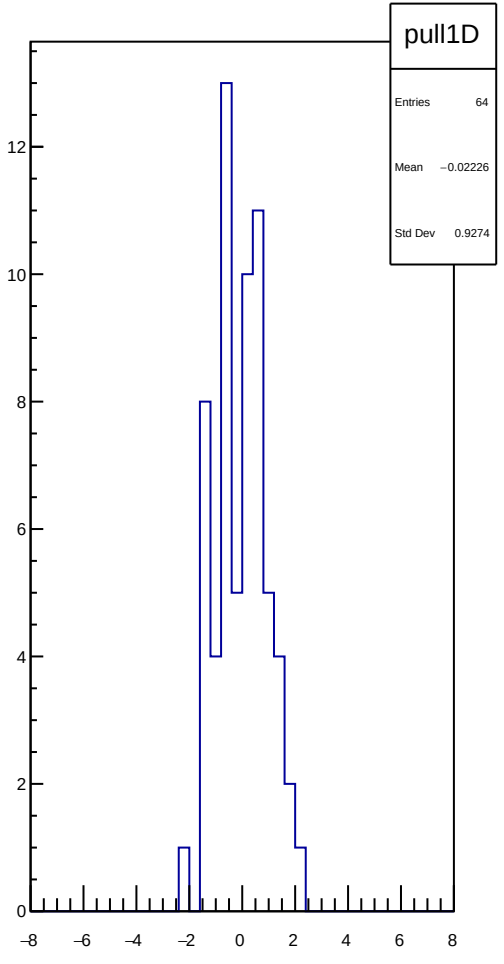

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.753e+04 / 63
p0 5400 ± 4.932
7500
7000
6500
6000
5500
5000
4500

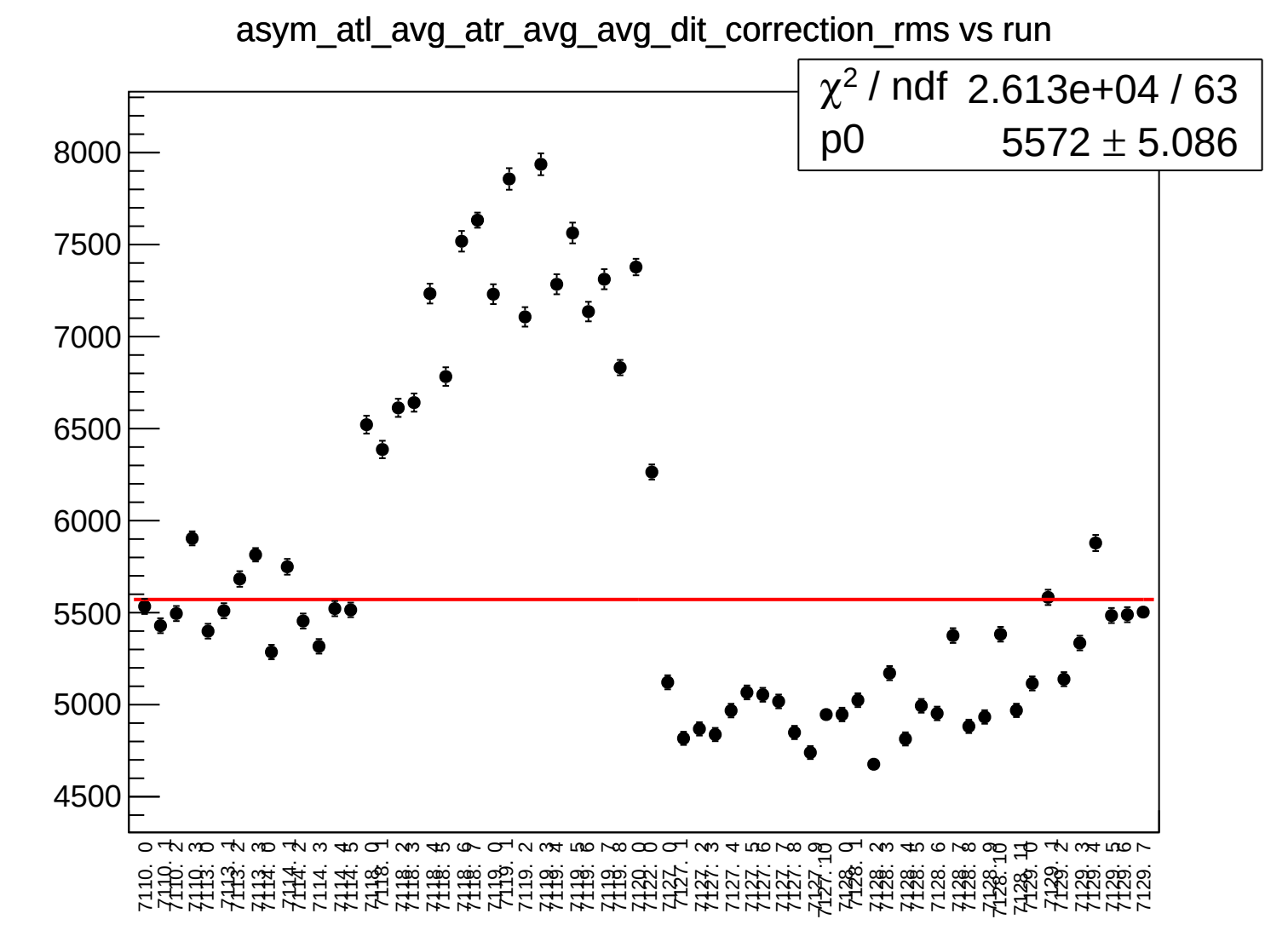

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 63.14 / 63
p0 5073 ± 1706
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −103.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

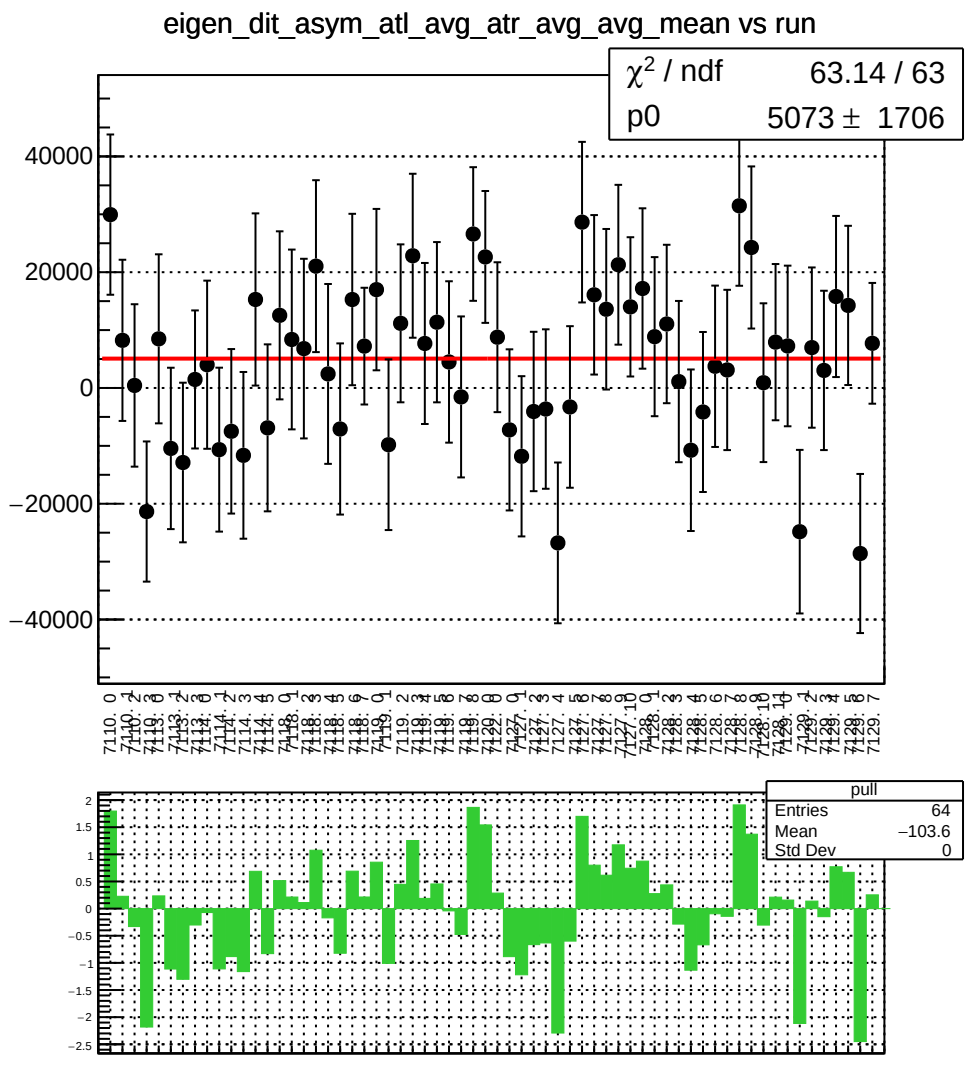

pull1D
Entries 64
Mean −0.01071
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

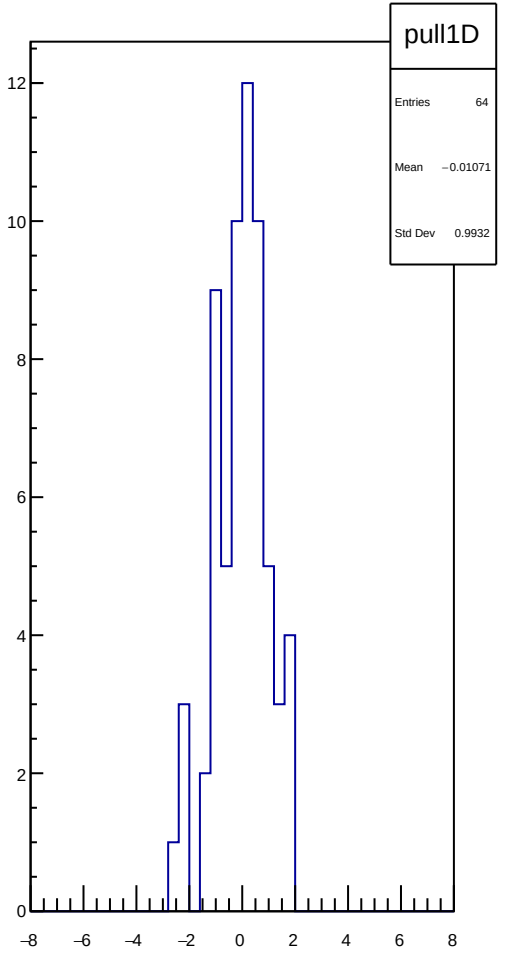

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1131 / 63
p0 1335 ± 1.206
1500
1450
1400
1350
1300

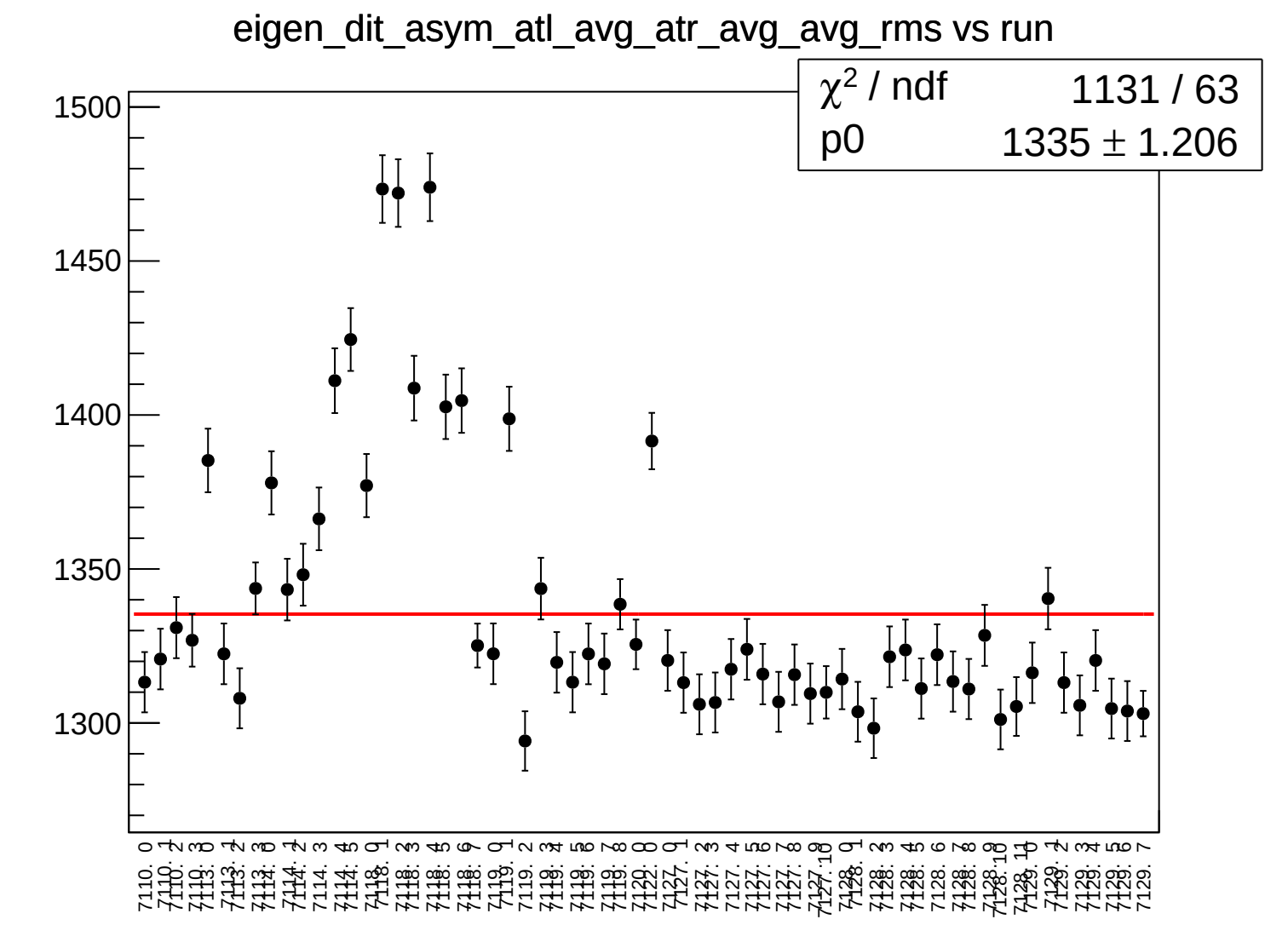

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
χ² / ndf 55.08 / 63
p0 −2709 ± 7193
pull
Entries 64
Mean 104.9
Std Dev 0

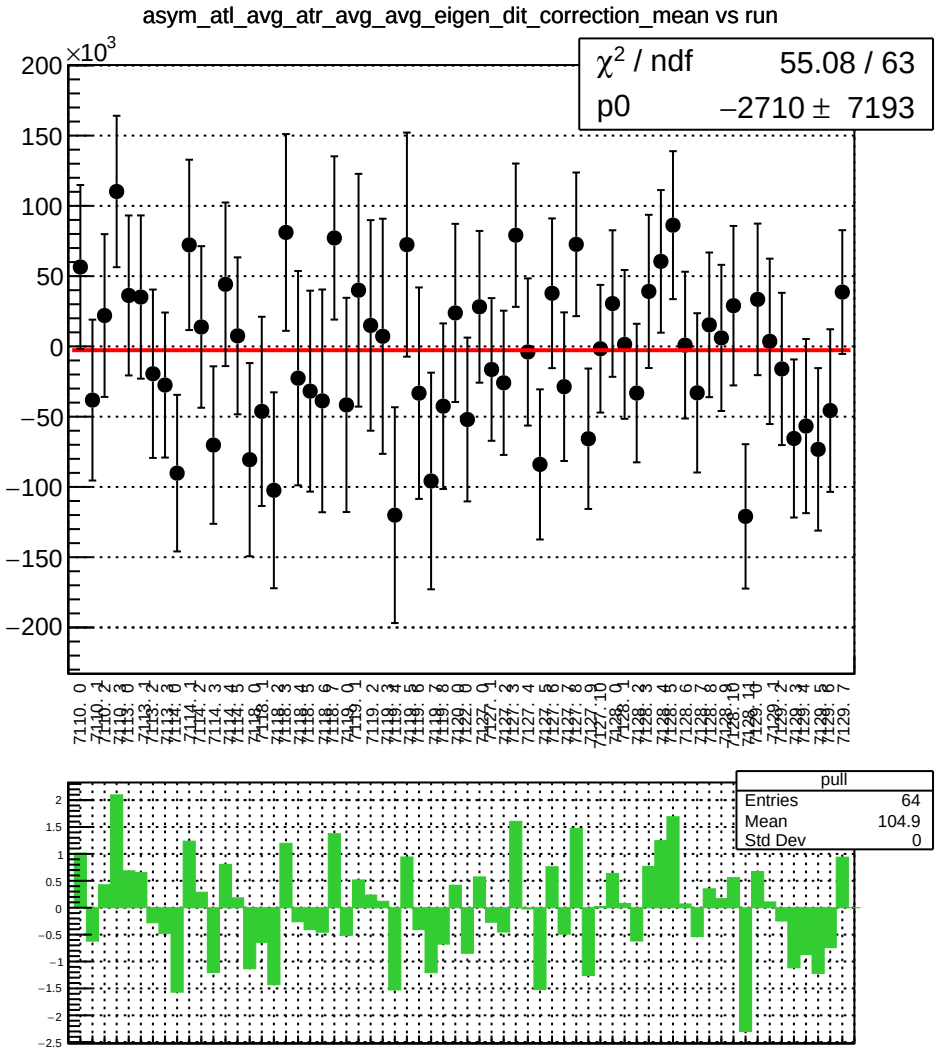

pull1D
Entries 64
Mean −0.02226
Std Dev 0.9274

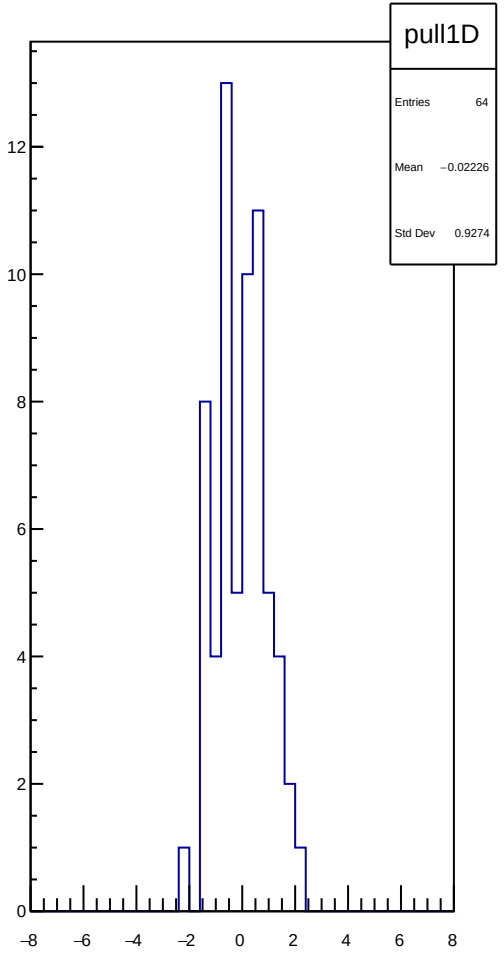

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ^2 / ndf 2.613e+04 / 63
p0 5572 ± 5.086
8000
7500
7000
6500
6000
5500
5000
4500

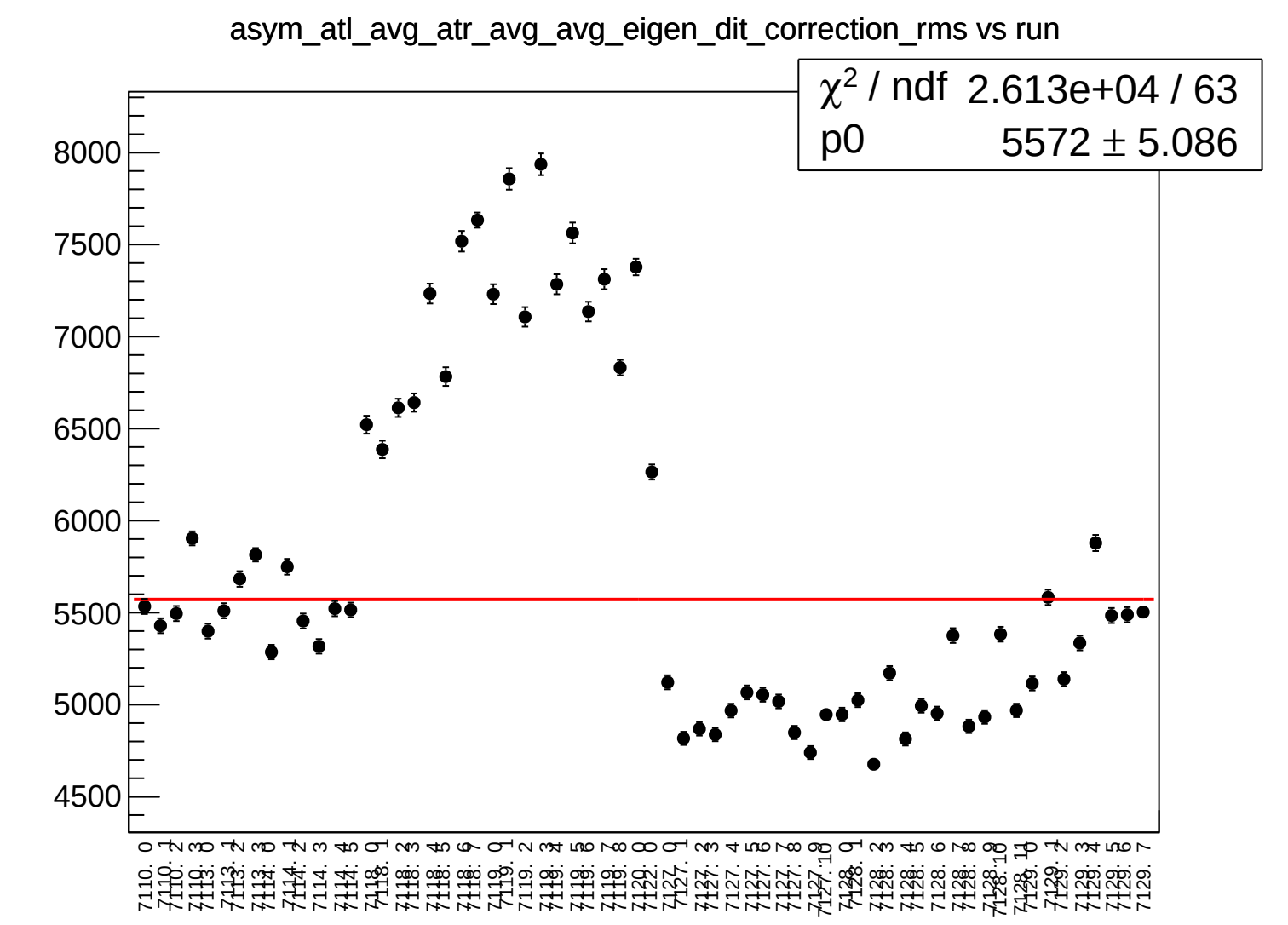

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 63.14 / 63
p0 5073 ± 1706
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −103.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

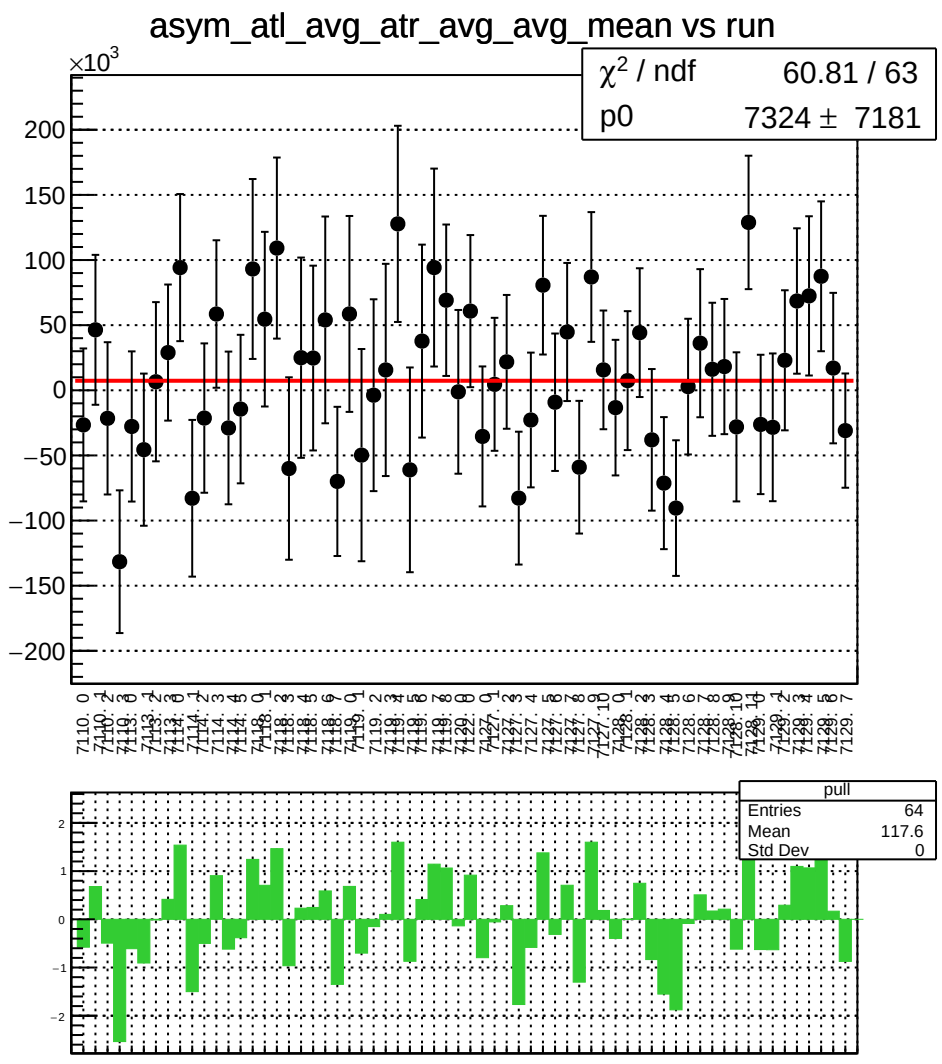

pull1D
Entries 64
Mean −0.01071
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

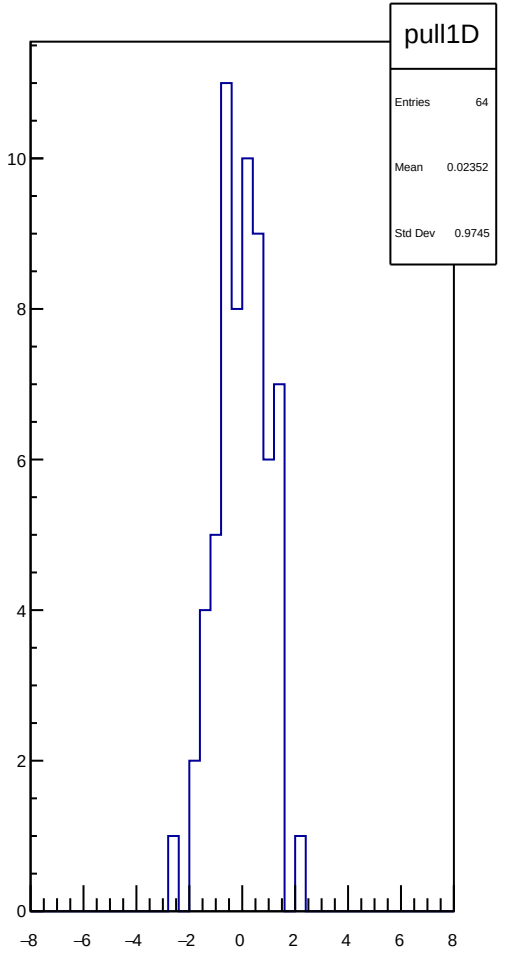

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1131 / 63
p0 1335 ± 1.206
1500
1450
1400
1350
1300

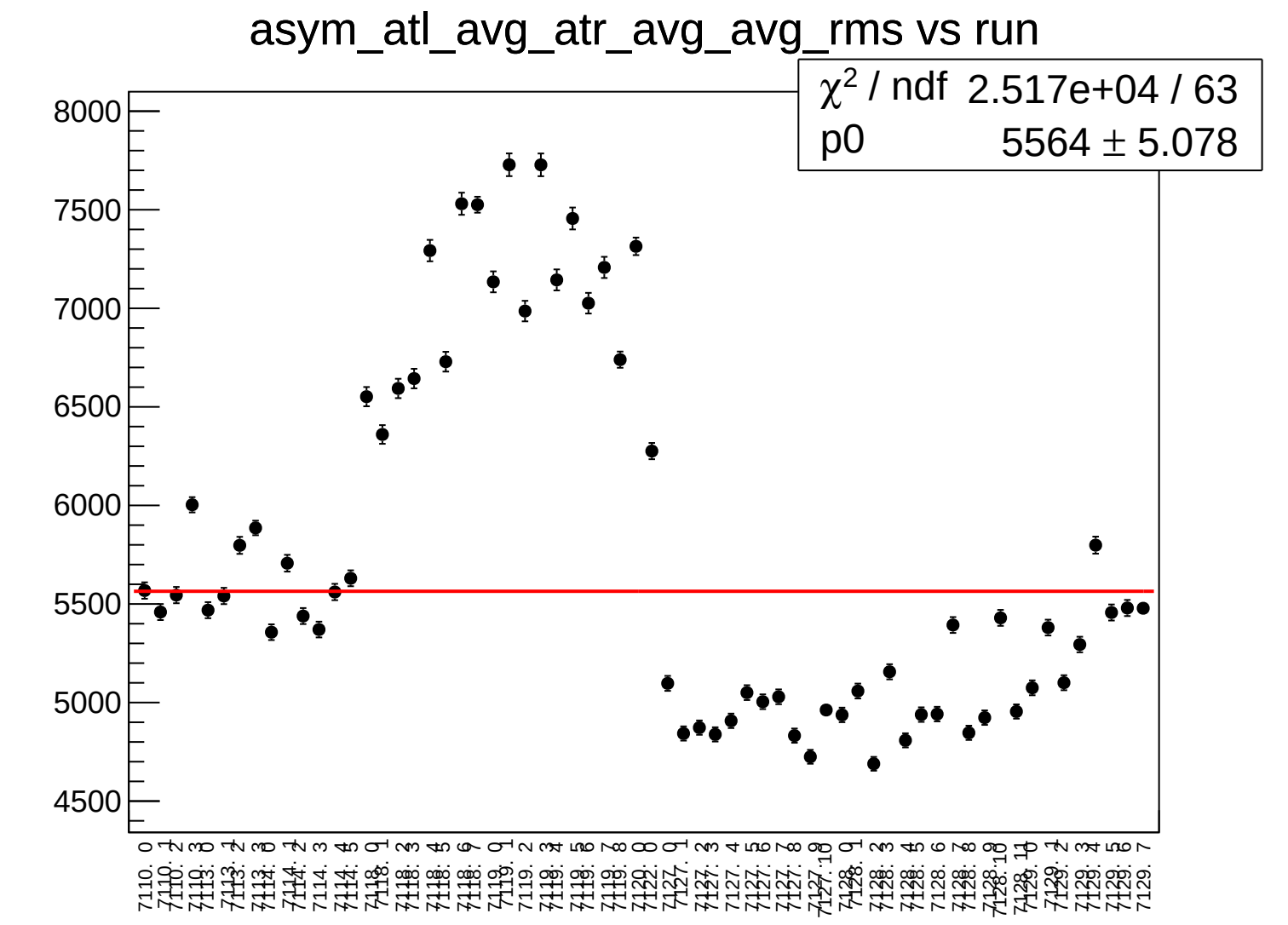

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 55.08 / 63
p0 −2710 ± 7193
pull
Entries 64
Mean 104.9
Std Dev 0

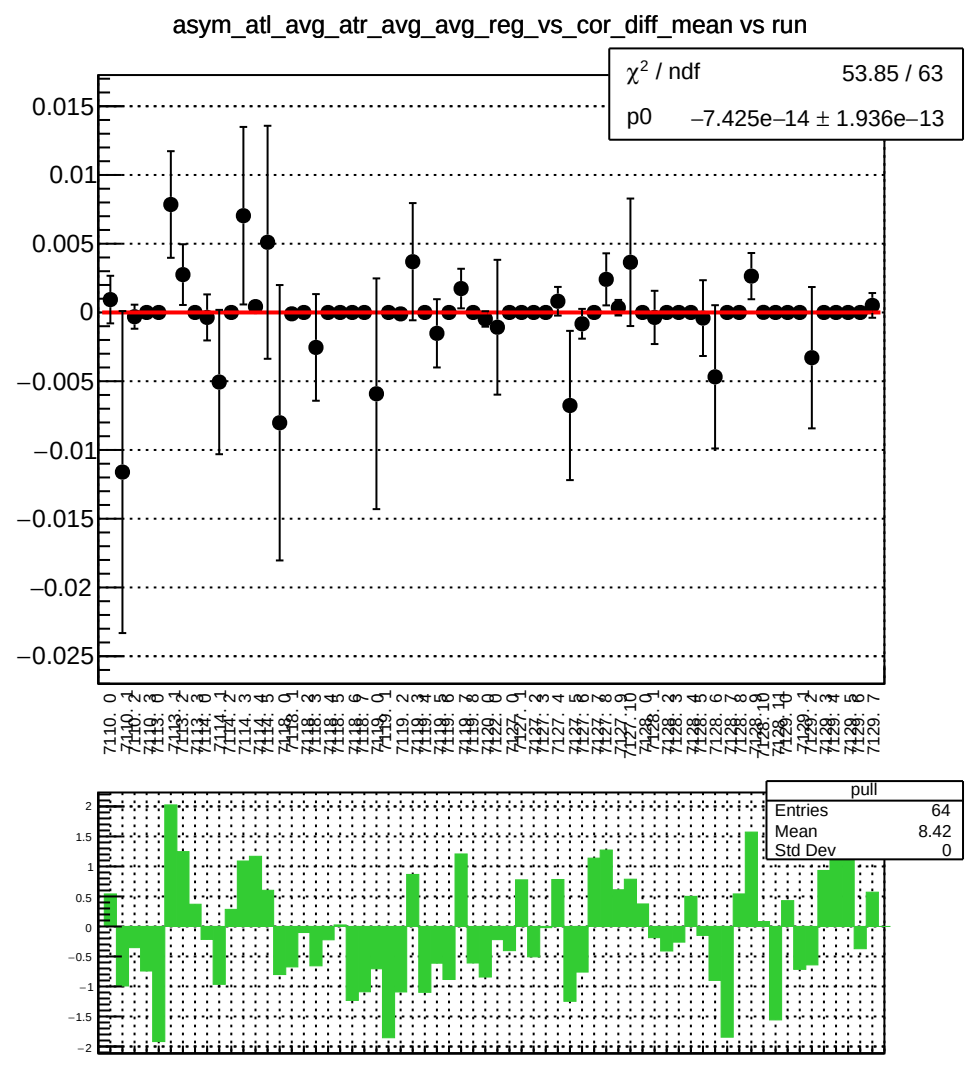

pull1D
Entries 64
Mean −0.02226
Std Dev 0.9274

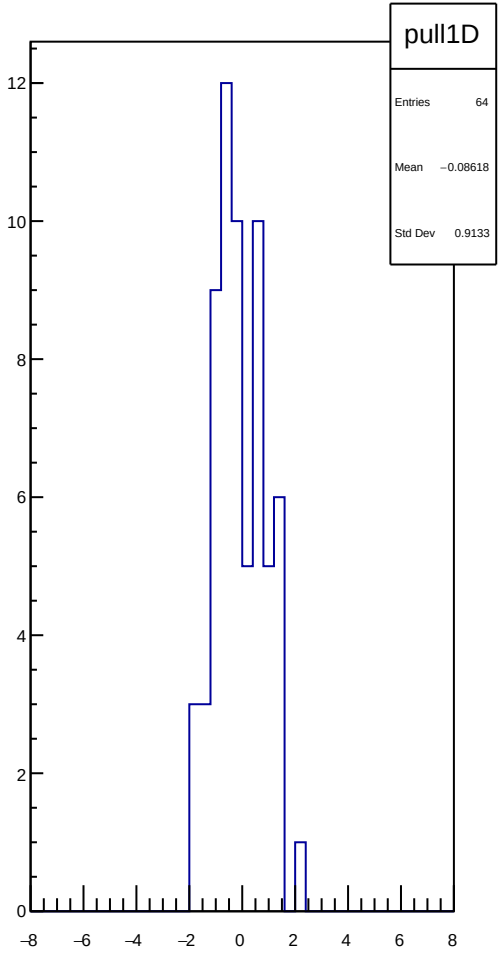

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.613e+04 / 63
p0 5572 ± 5.086
8000
7500
7000
6500
6000
5500
5000
4500

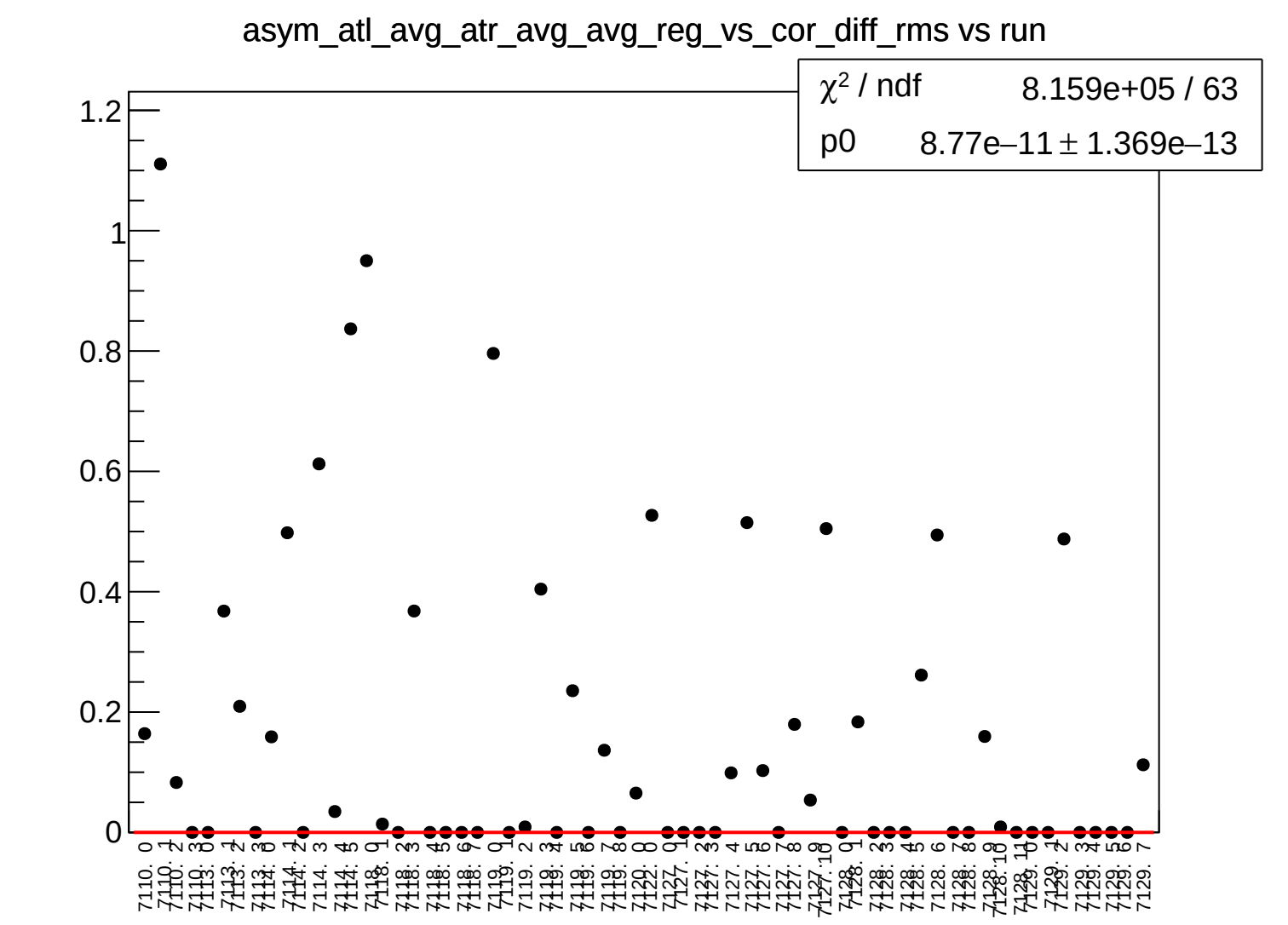

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 60.81 / 63
p0 7324 ± 7181
pull
Entries 64
Mean 117.6
Std Dev 0

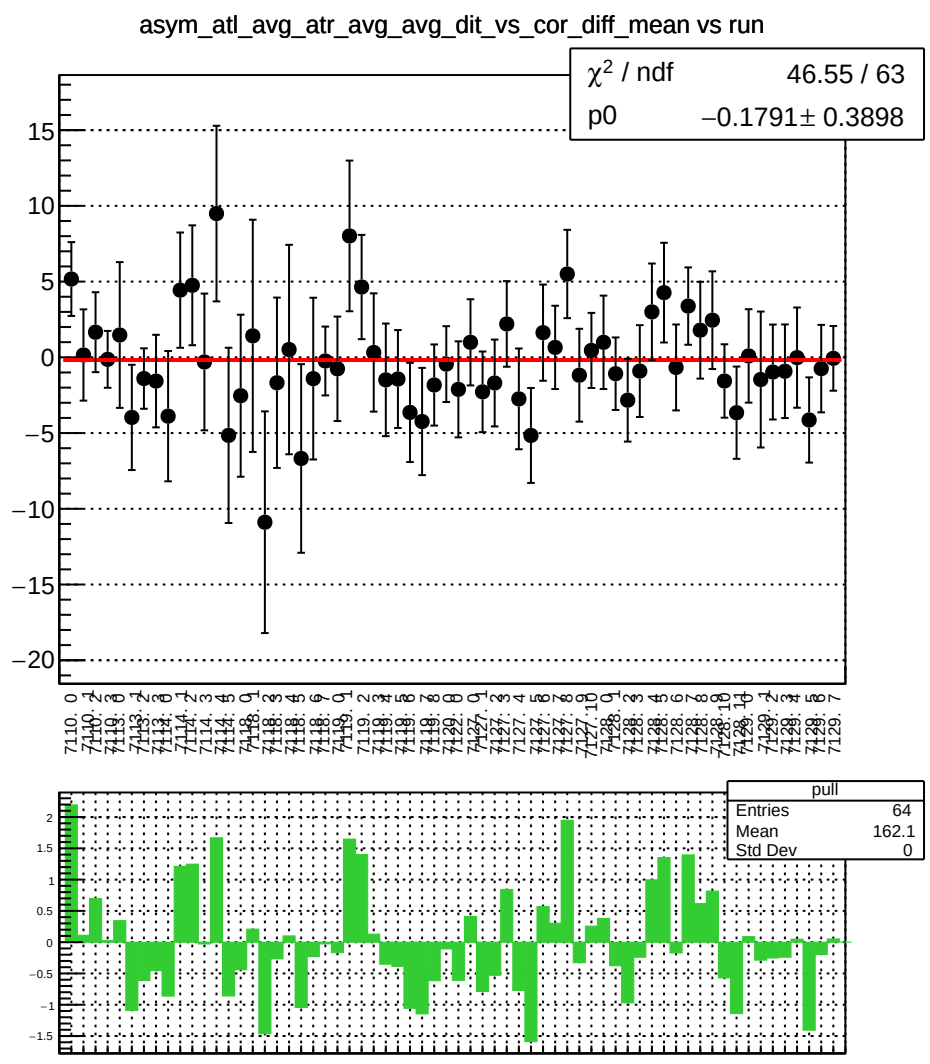

pull1D
Entries 64
Mean 0.02352
Std Dev 0.9745

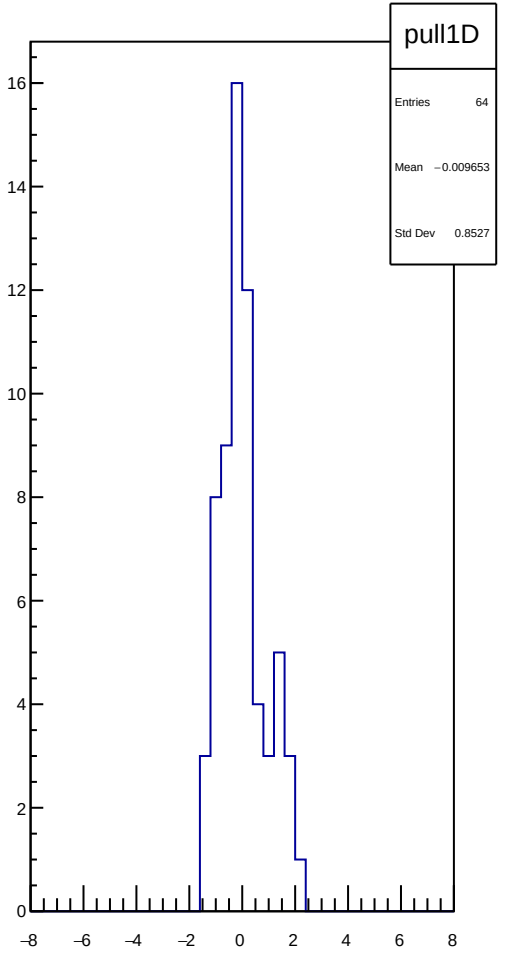

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.517e+04 / 63
p0 5564 ± 5.078
8000
7500
7000
6500
6000
5500
5000
4500

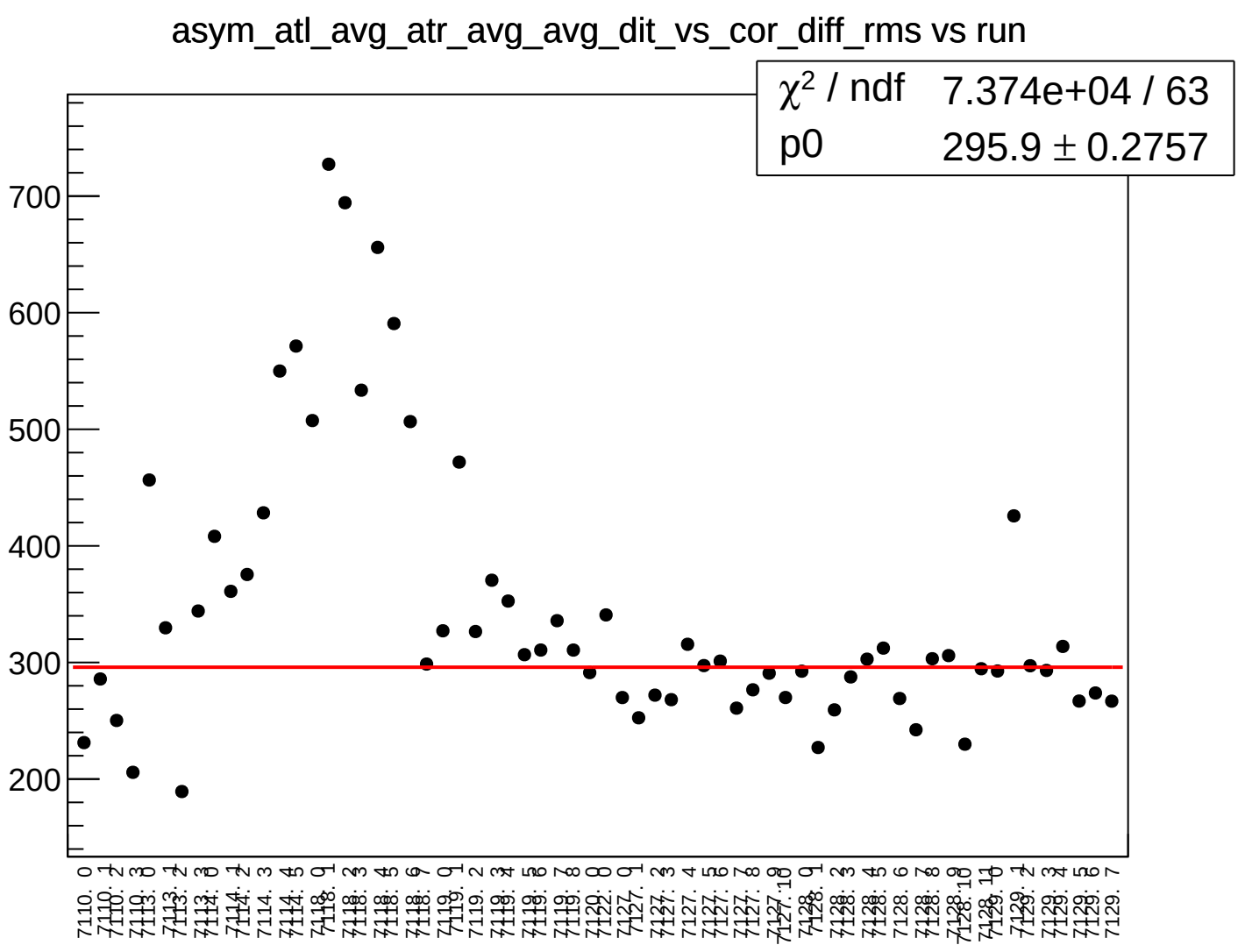

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.85 / 63
p0 −7.425e−14 ± 1.936e−13
pull
Entries 64
Mean 8.42
Std Dev 0

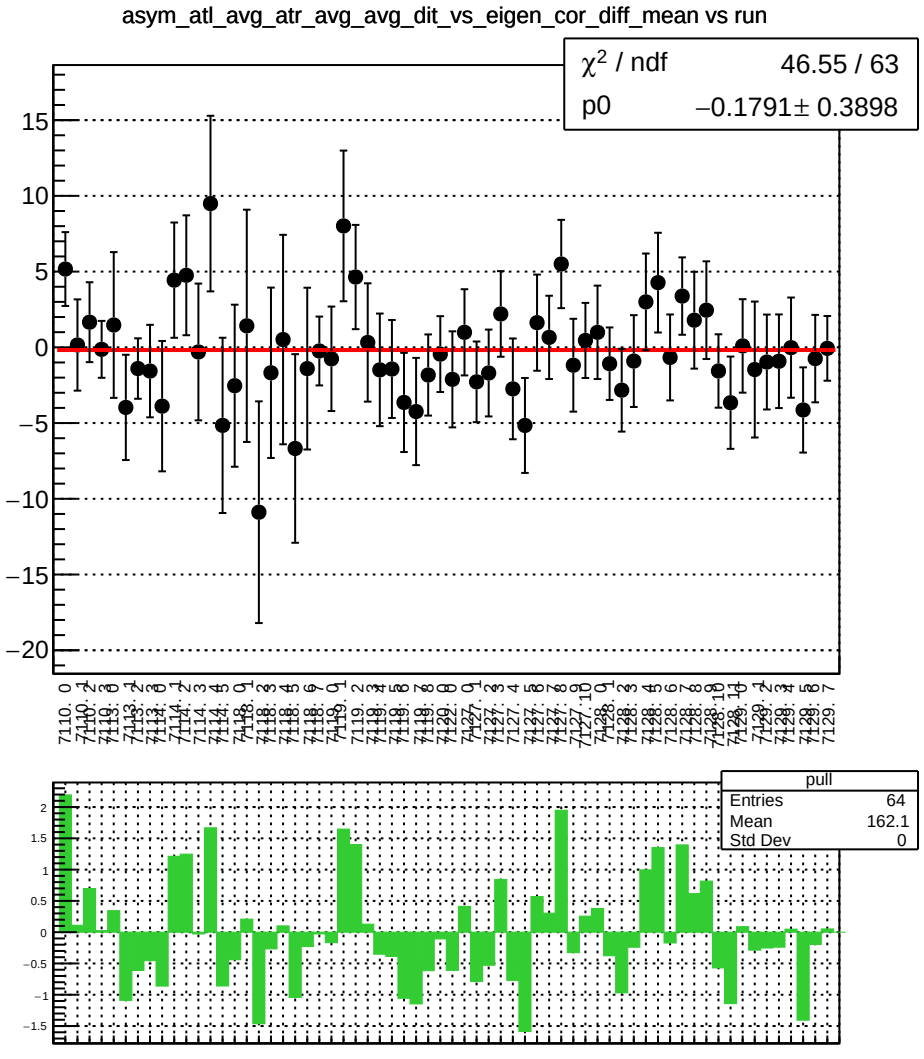

pull1D
Entries 64
Mean −0.08618
Std Dev 0.9133

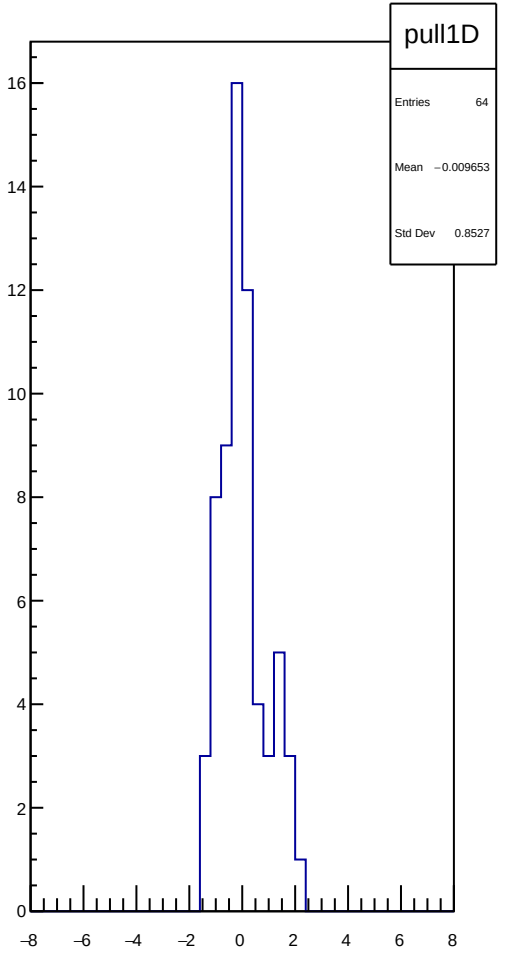

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.159e+05 / 63
p0 8.77e−11 ± 1.369e−13
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7110. 3
7110. 4
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

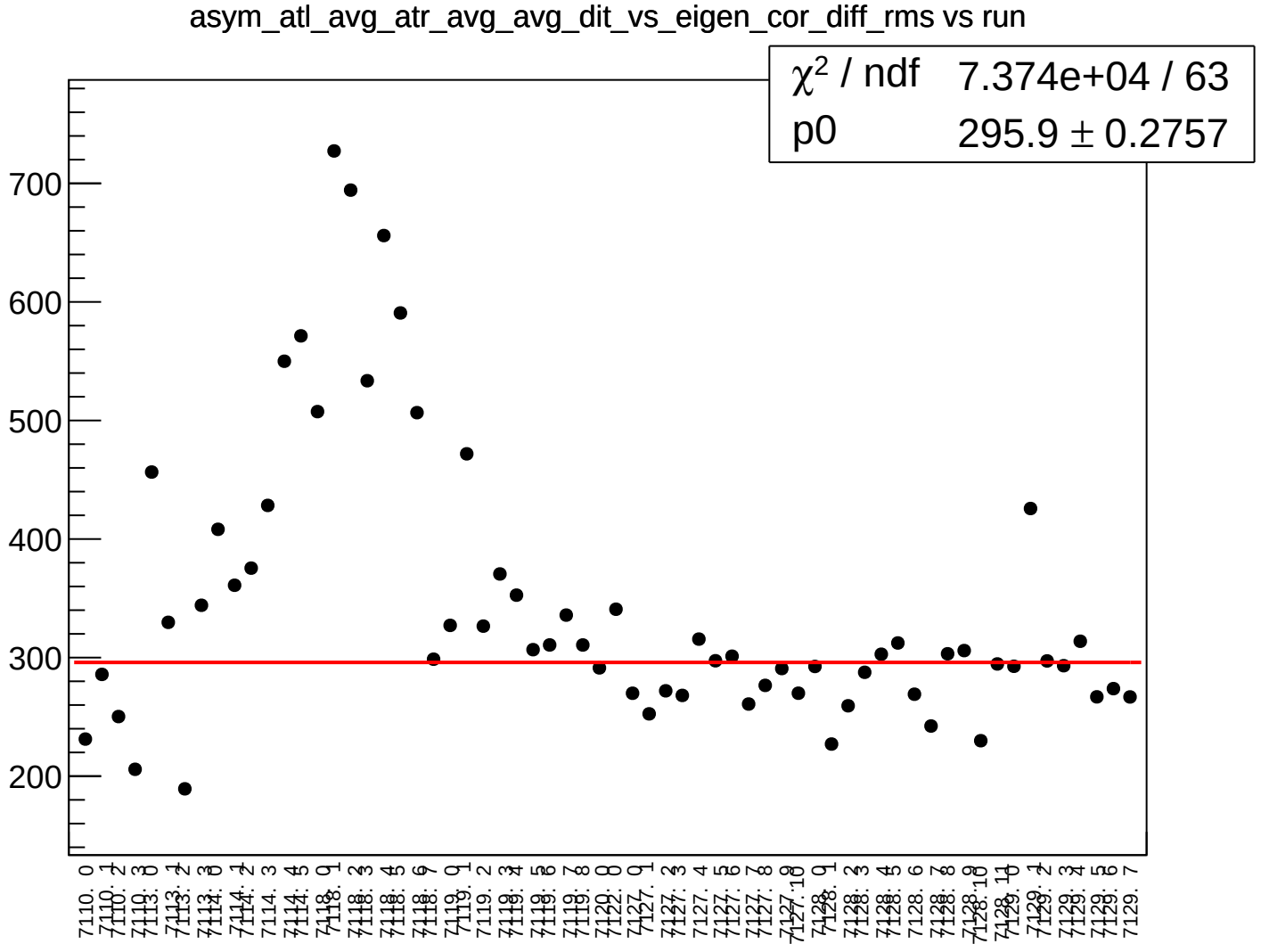

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.55 / 63
p0 −0.1791± 0.3898
pull
Entries 64
Mean 162.1
Std Dev 0

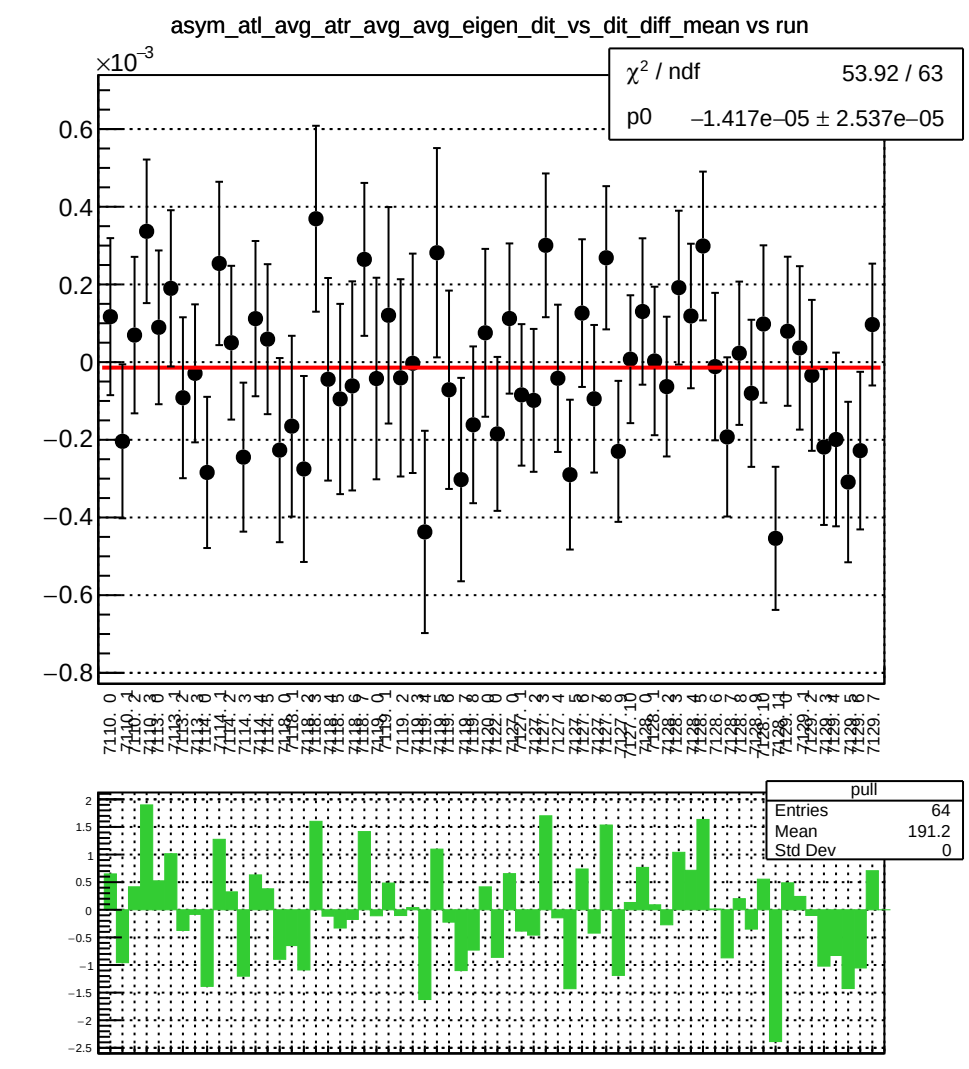

pull1D
Entries 64
Mean −0.009653
Std Dev 0.8527

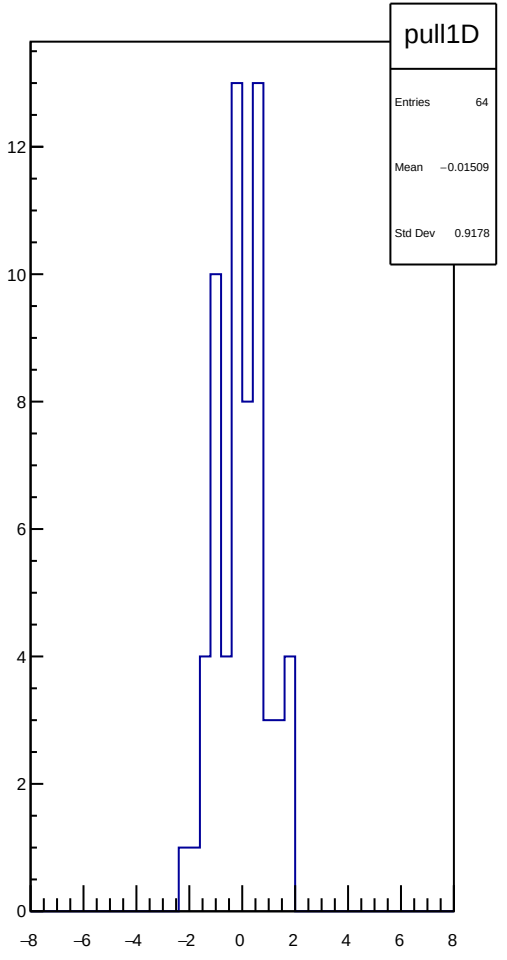

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.374e+04 / 63
p0 295.9 ± 0.2757
700
600
500
400
300
200

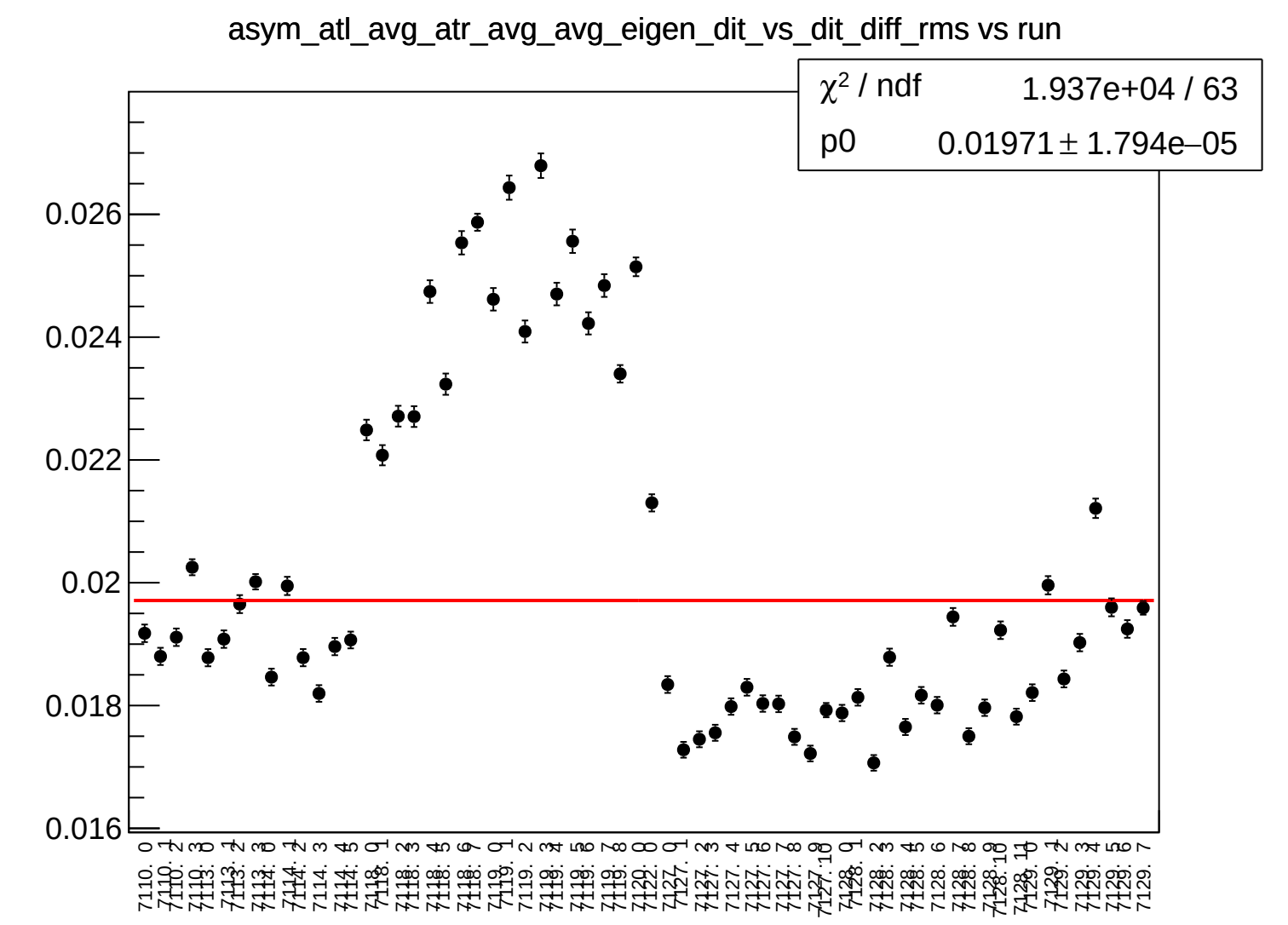

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.55 / 63
p0 −0.1791± 0.3898
pull
Entries 64
Mean 162.1
Std Dev 0

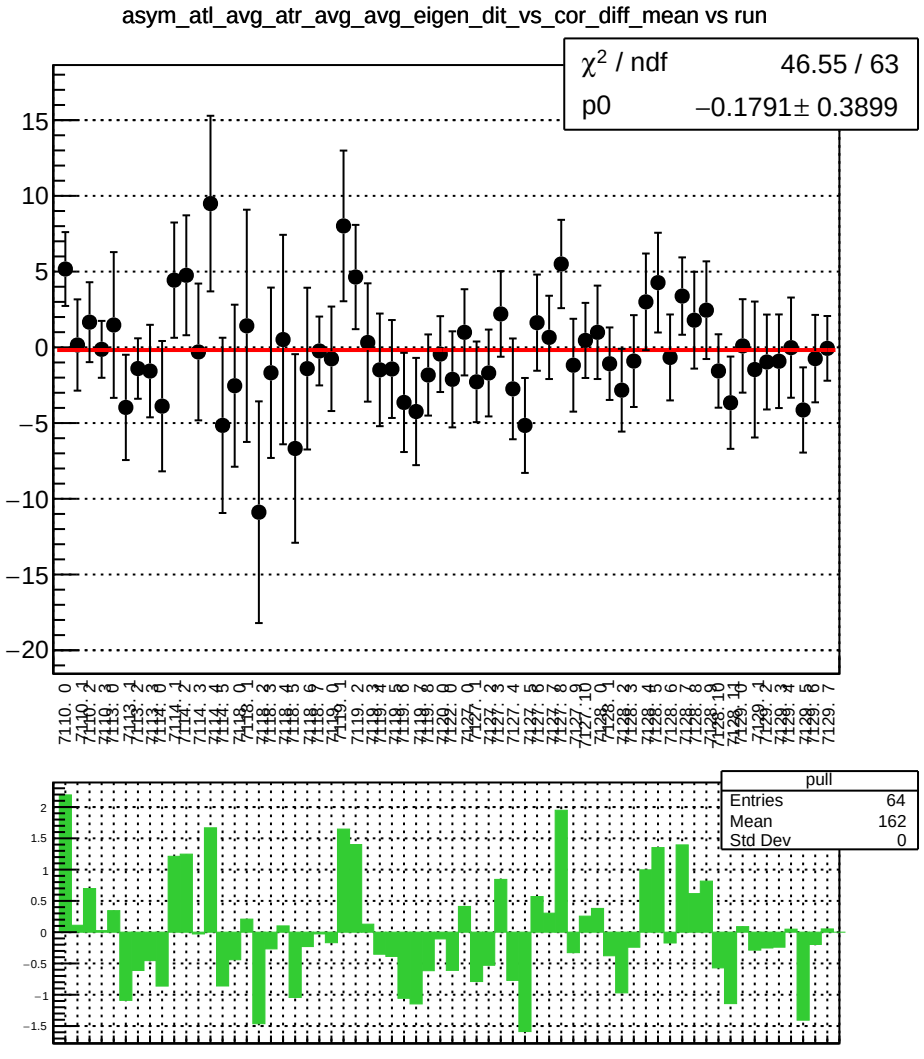

pull1D
Entries 64
Mean −0.009653
Std Dev 0.8527

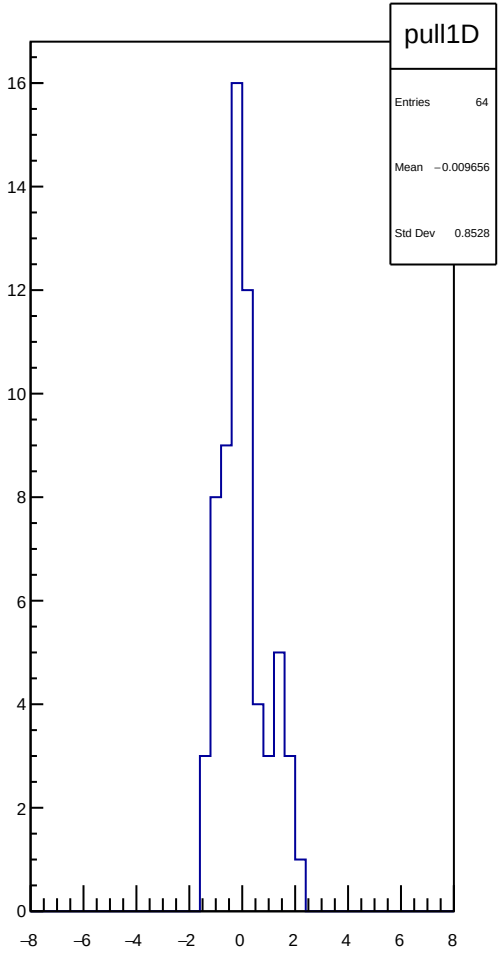

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.374e+04 / 63
p0 295.9 ± 0.2757
700
600
500
400
300
200

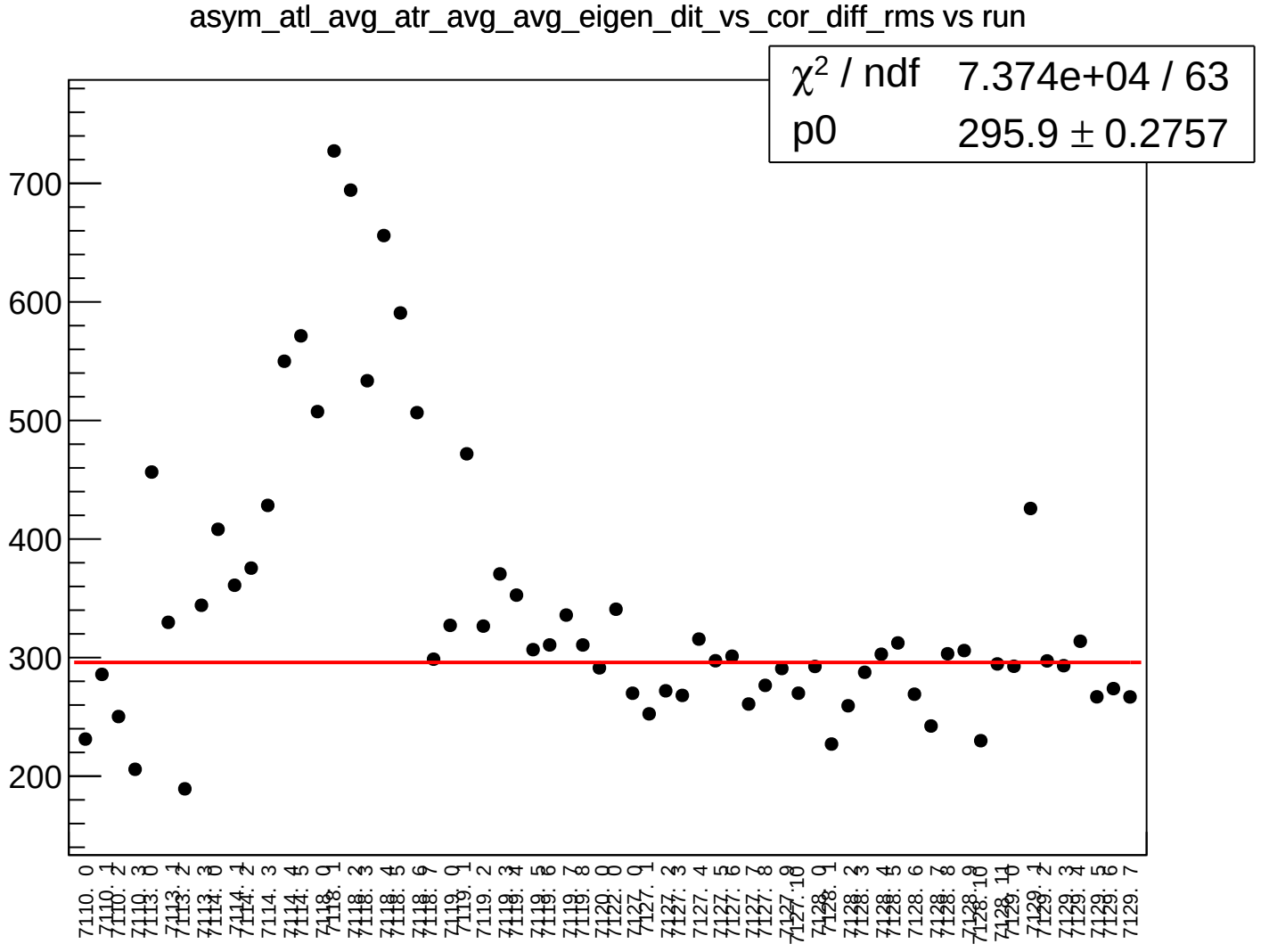

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.92 / 63
p0 −1.417e−05 ± 2.537e−05
pull
Entries 64
Mean 191.2
Std Dev 0

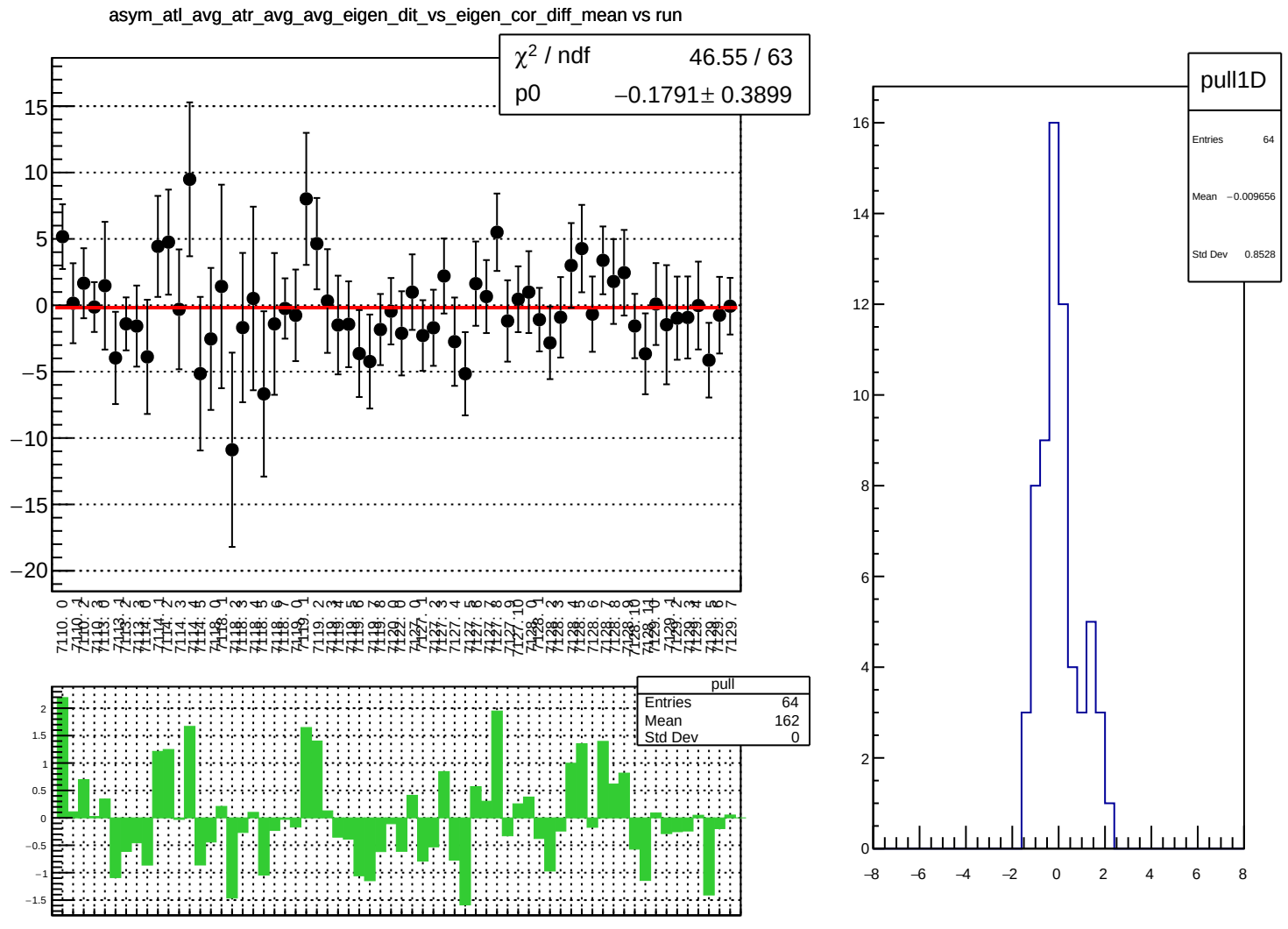

pull1D
Entries 64
Mean −0.01509
Std Dev 0.9178

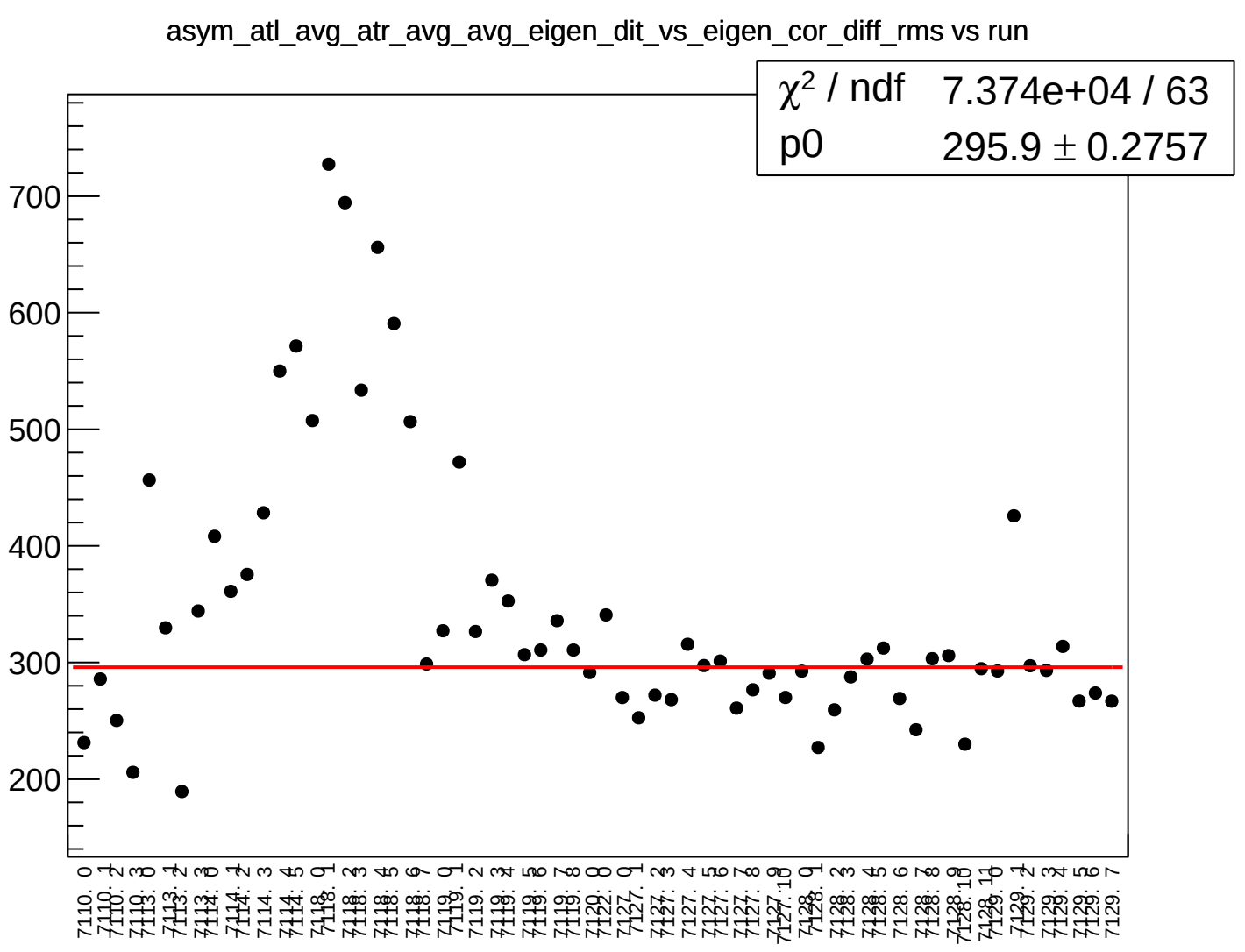

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.937e+04 / 63
p0 0.01971 ± 1.794e–05
0.026
0.024
0.022
0.02
0.018
0.016

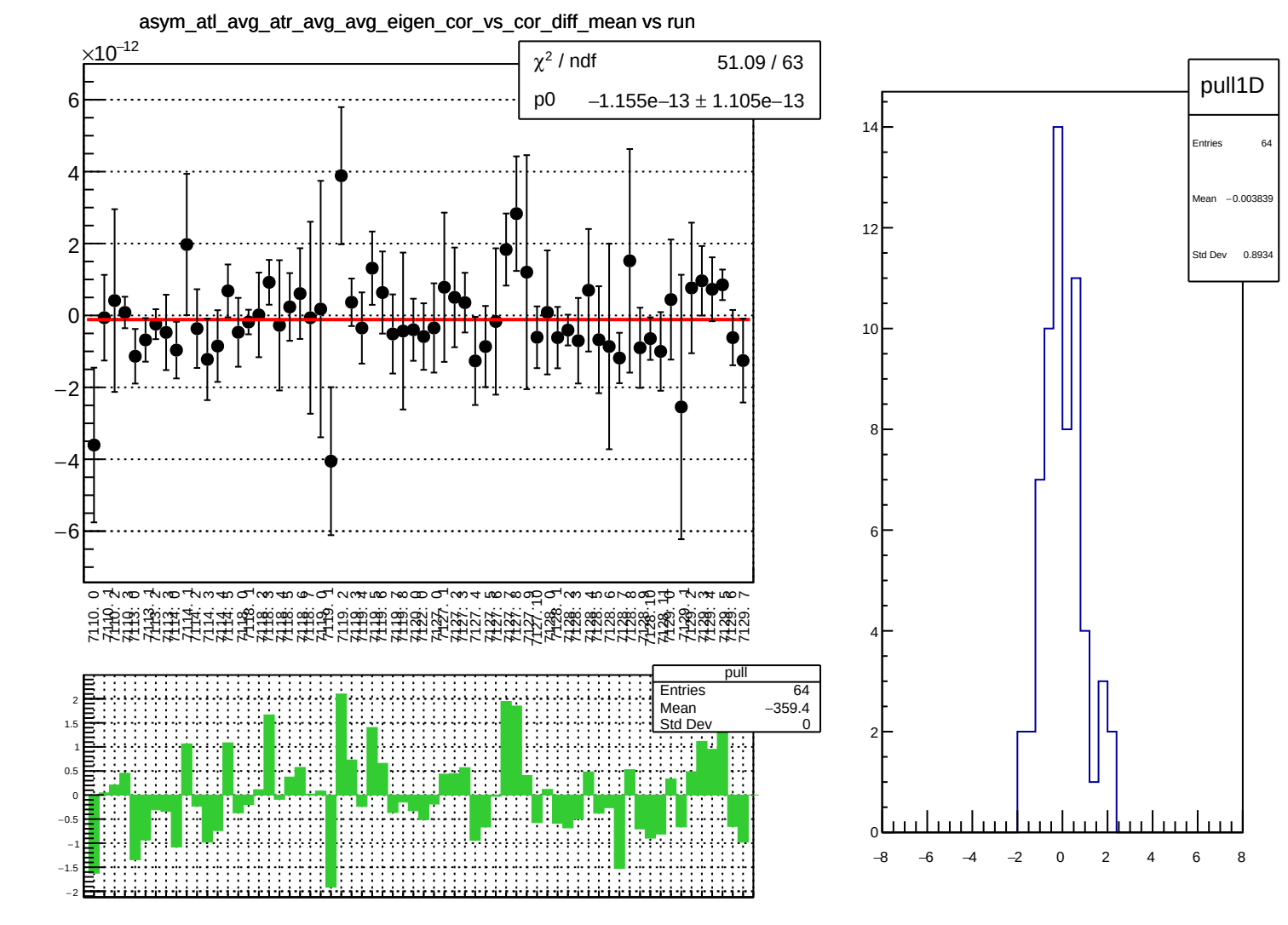

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.55 / 63
p0 −0.1791± 0.3899
pull
Entries 64
Mean 162
Std Dev 0

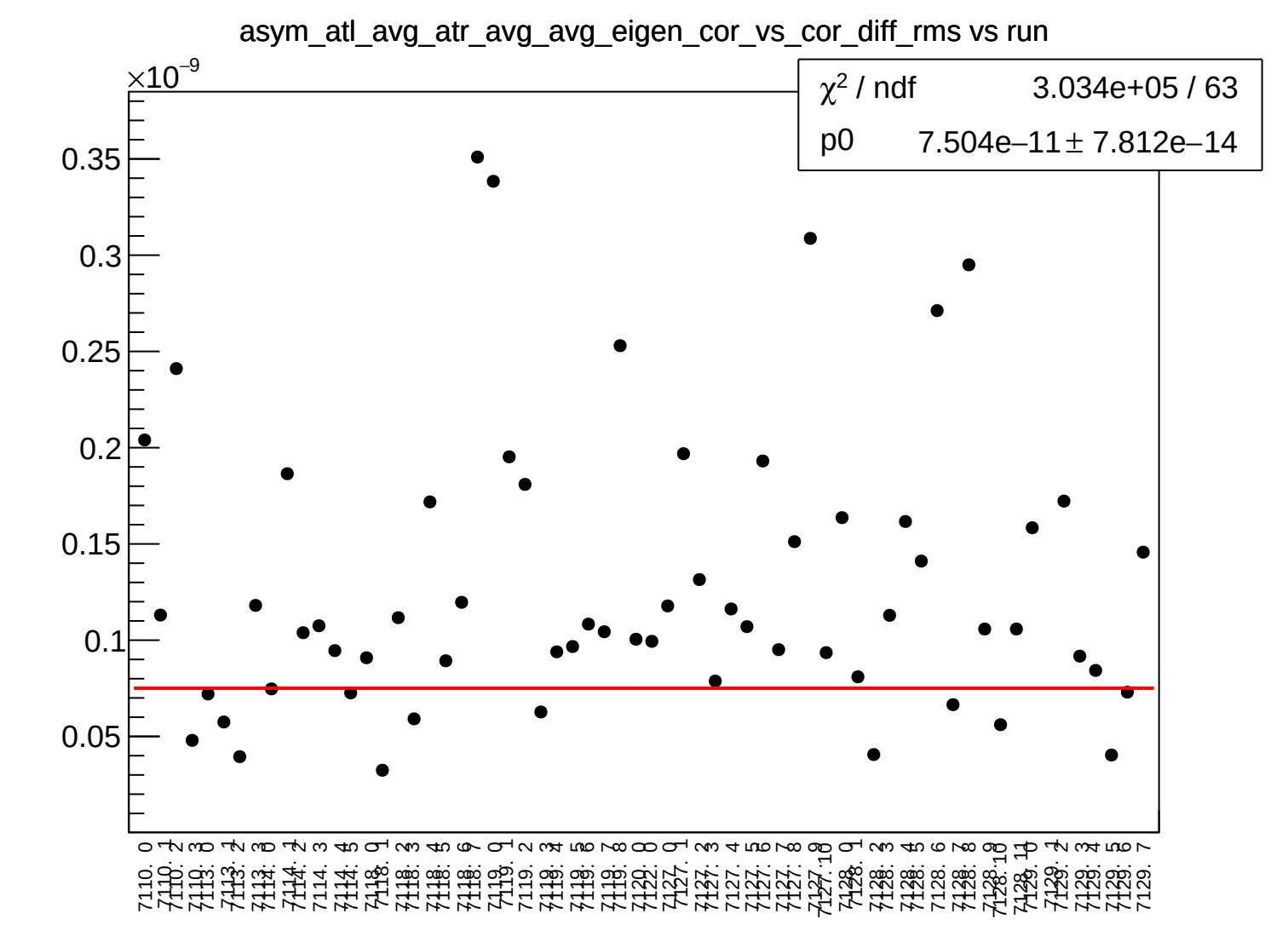

pull1D
Entries 64
Mean −0.009656
Std Dev 0.8528

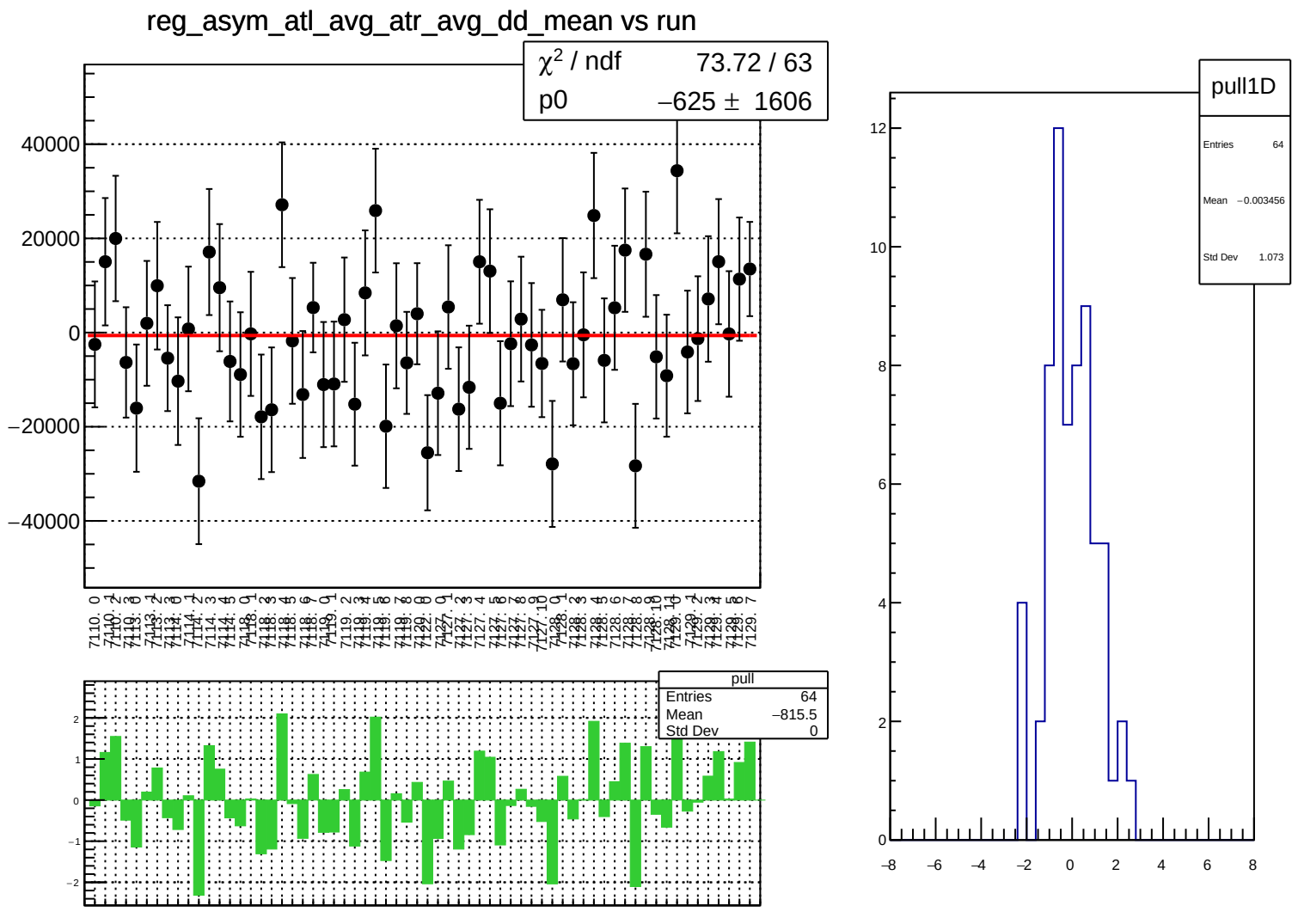

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.374e+04 / 63
p0 295.9 ± 0.2757
700
600
500
400
300
200

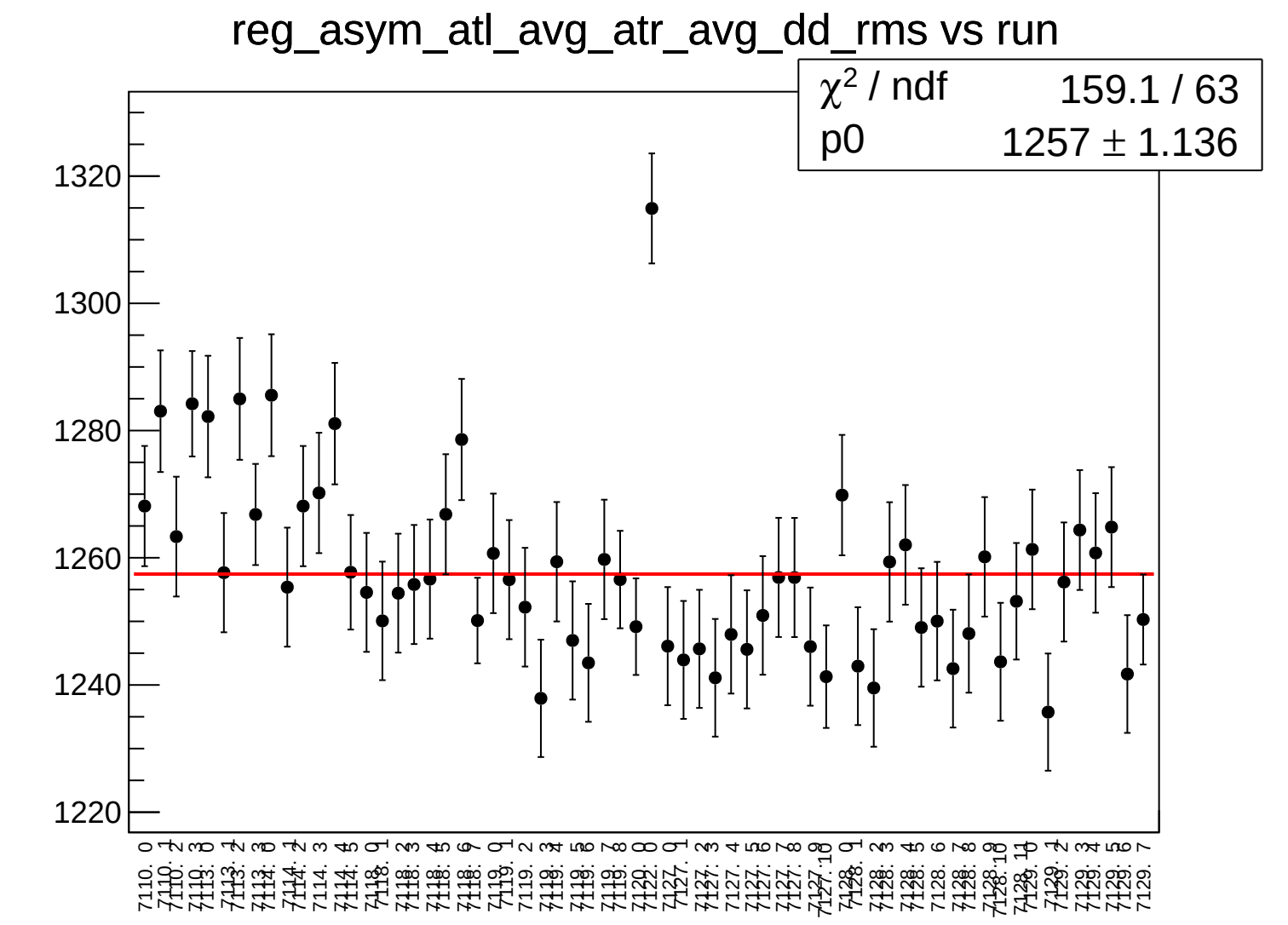

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.55 / 63
p0 −0.1791± 0.3899
pull
Entries 64
Mean 162
Std Dev 0
pull1D
Entries 64
Mean −0.009656
Std Dev 0.8528

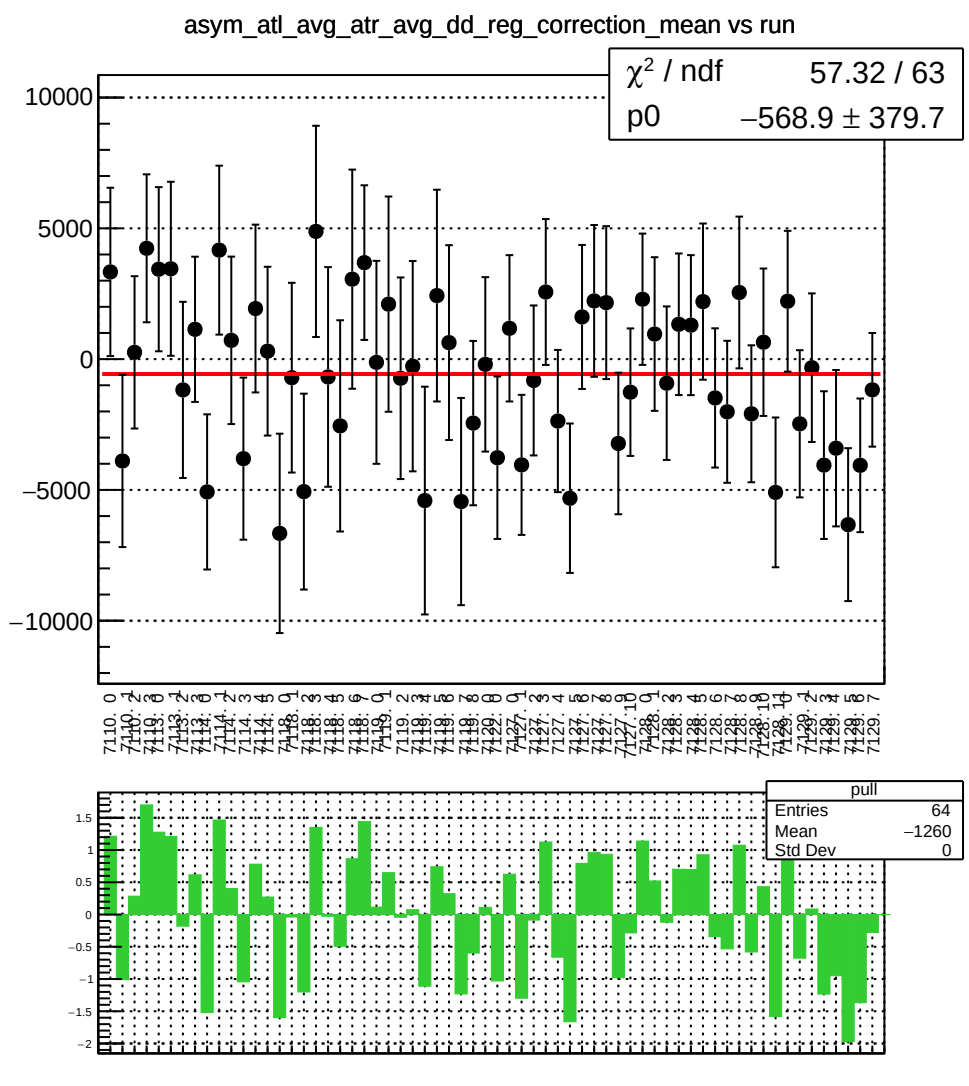

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.374e+04 / 63
p0 295.9 ± 0.2757
700
600
500
400
300
200

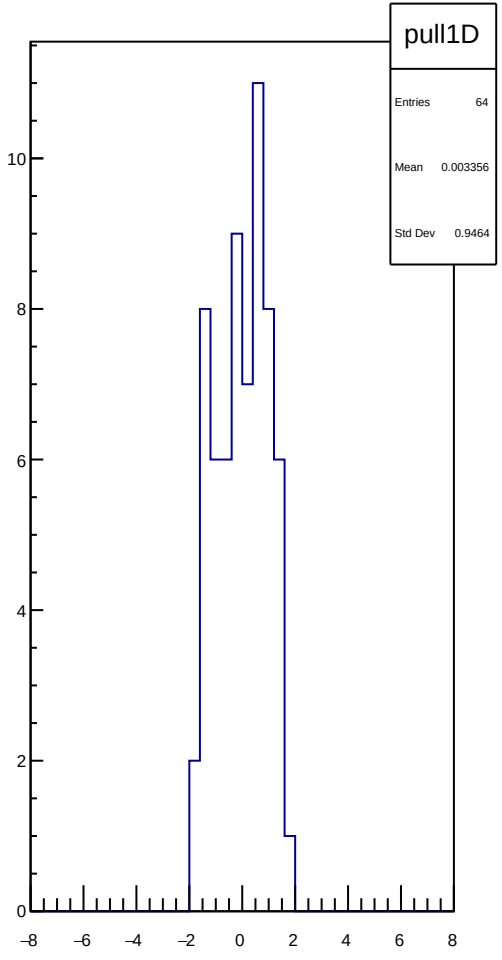

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.09 / 63
p0 −1.155e−13 ± 1.105e−13
pull
Entries 64
Mean −359.4
Std Dev 0
pull1D
Entries 64
Mean −0.003839
Std Dev 0.8934

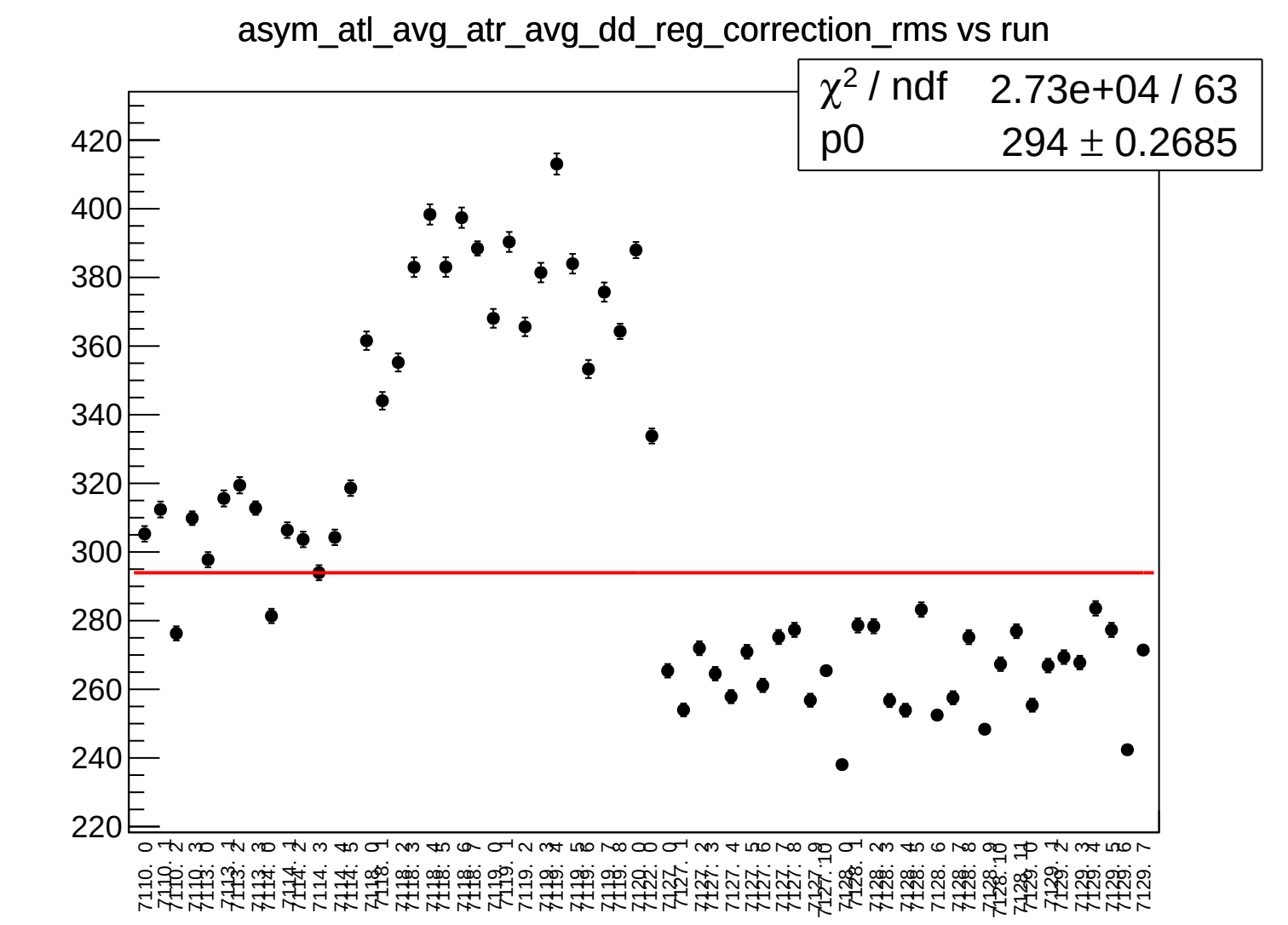

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.034e+05 / 63
p0 7.504e−11 ± 7.812e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

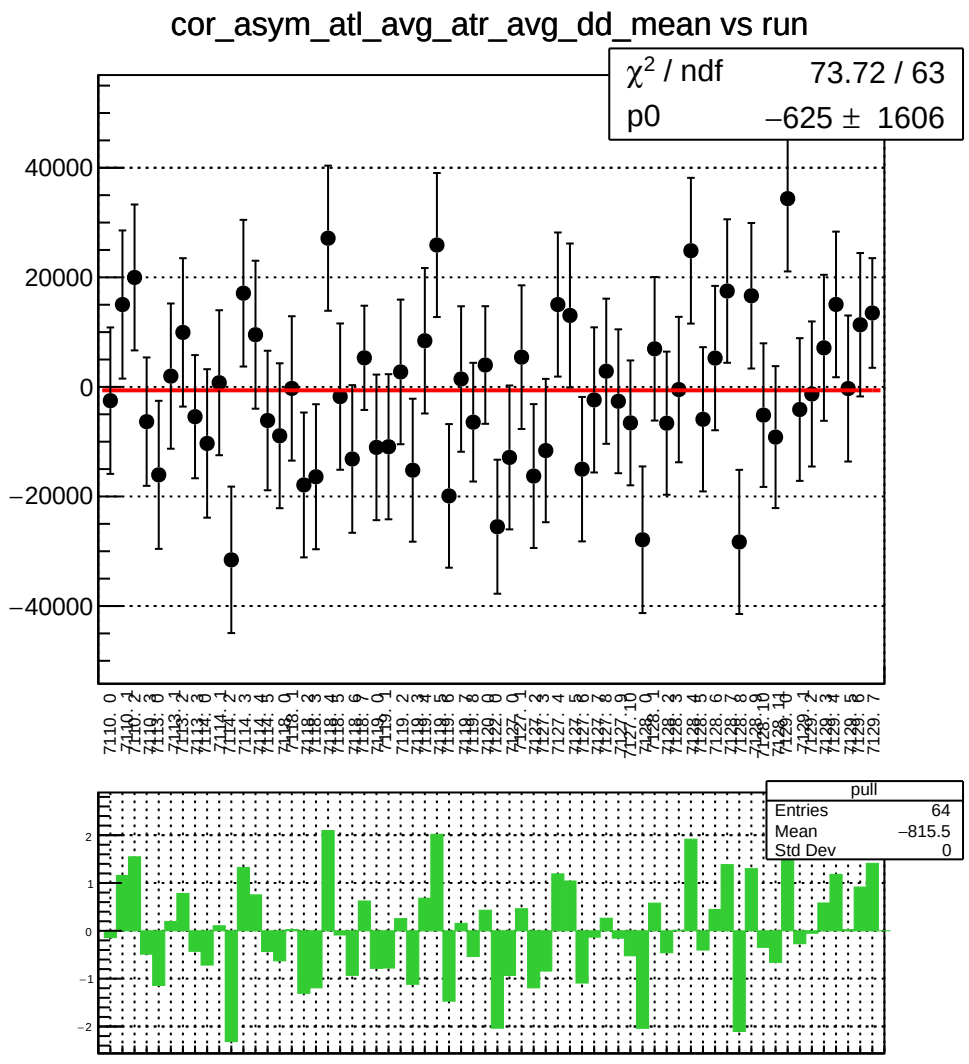

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.72 / 63
p0 −625 ± 1606
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −815.5
Std Dev 0
pull1D
Entries 64
Mean −0.003456
Std Dev 1.073

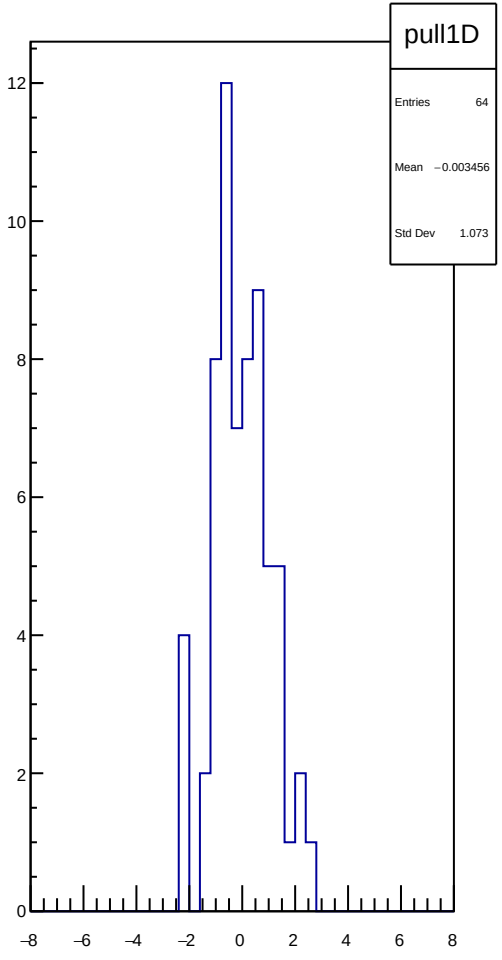

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 159.1 / 63
p0 1257 ± 1.136
1320
1300
1280
1260
1240
1220

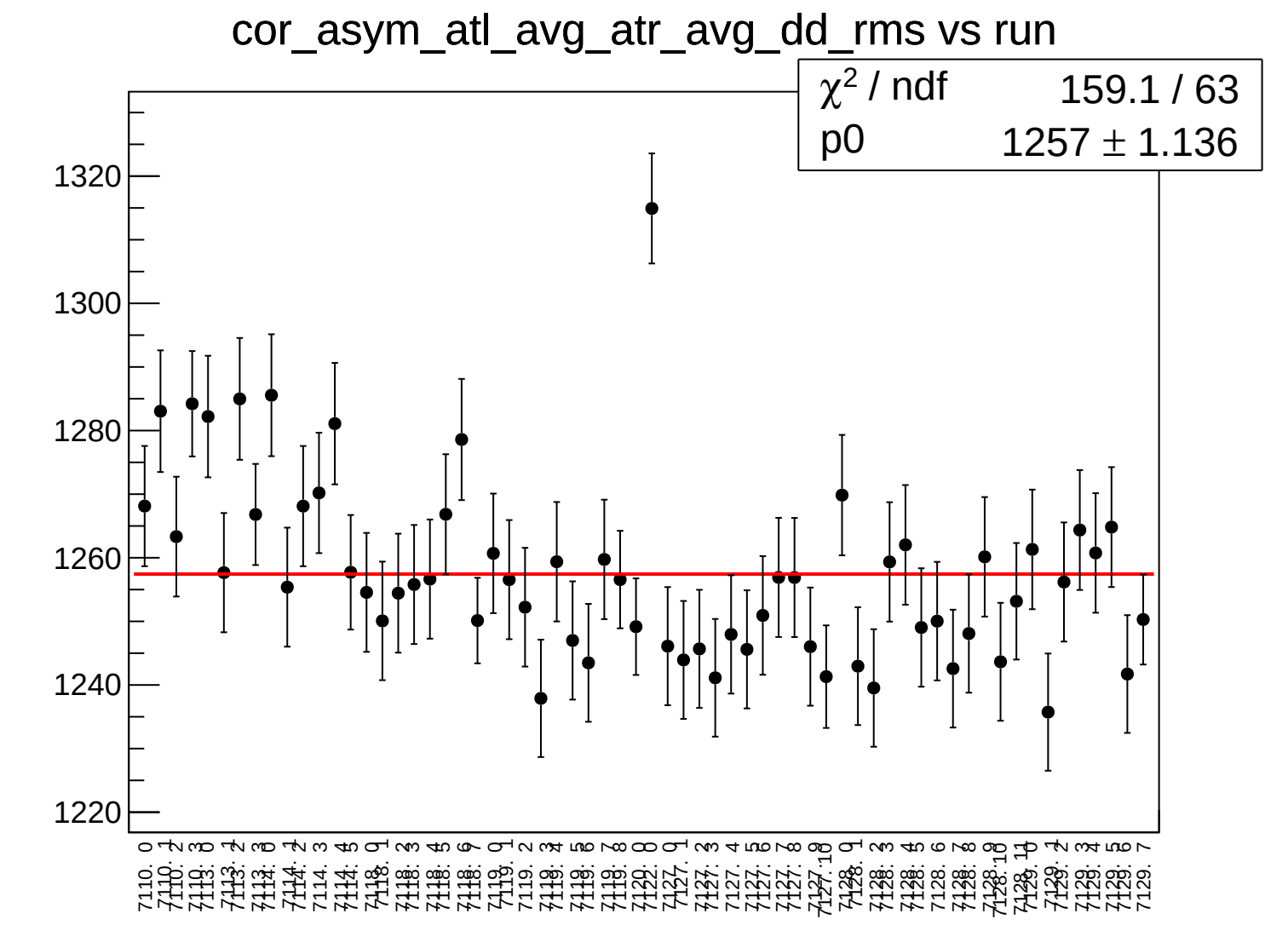

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 57.32 / 63
p0 −568.9 ± 379.7
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1260
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

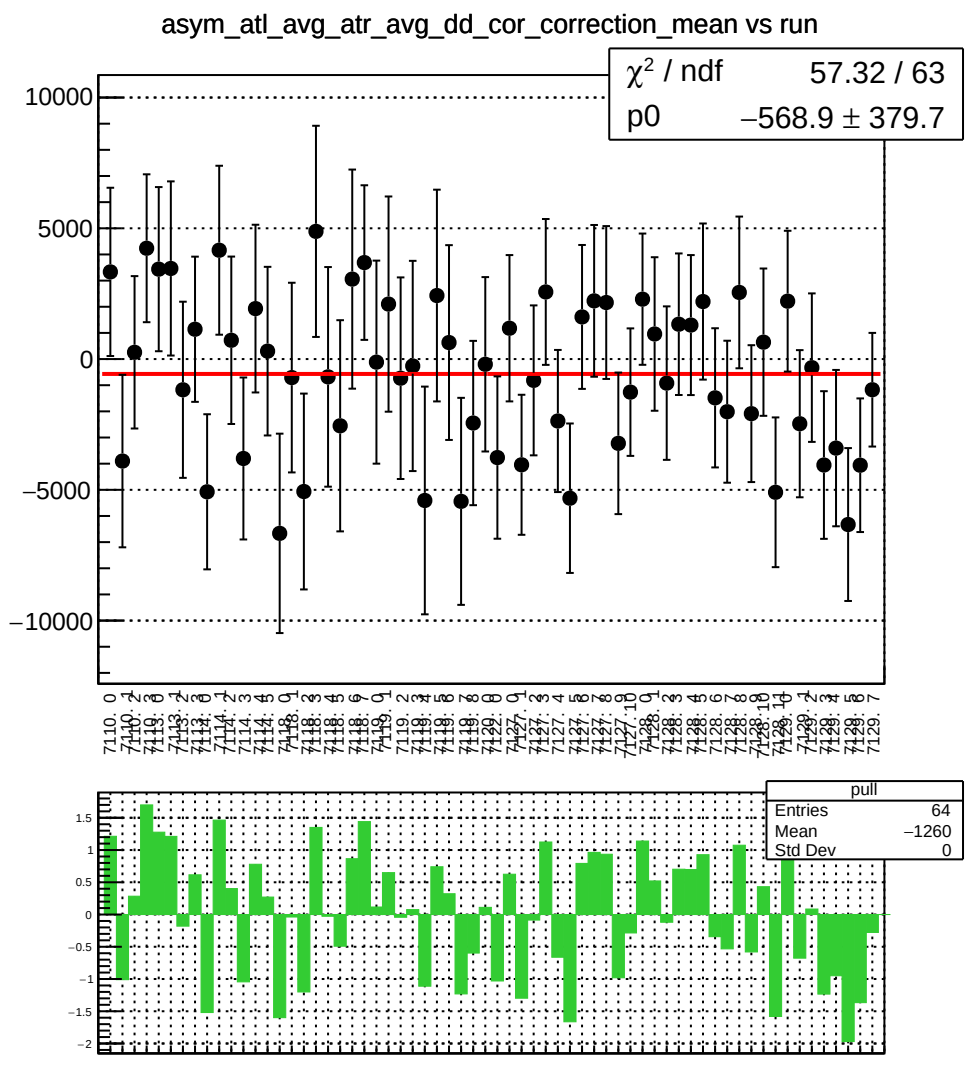

pull1D
Entries 64
Mean 0.003356
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

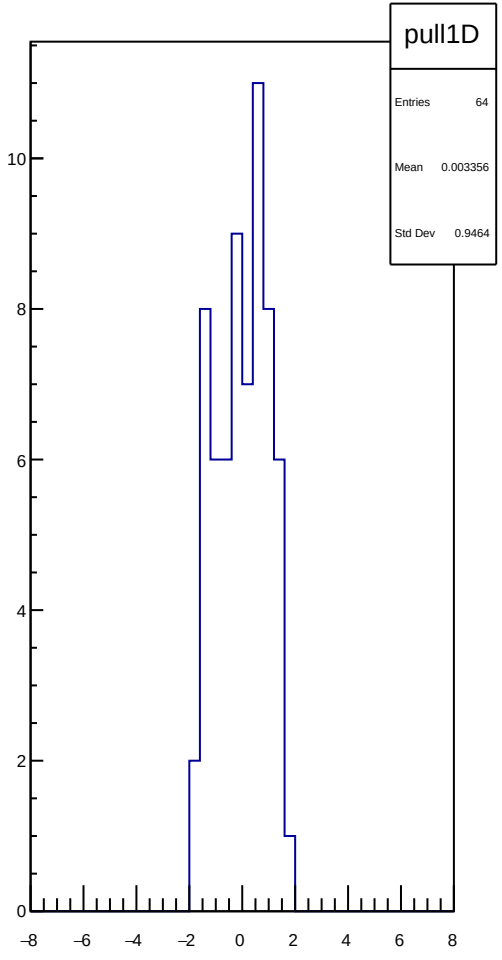

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.73e+04 / 63
p0 294 ± 0.2685
420
400
380
360
340
320
300
280
260
240
220

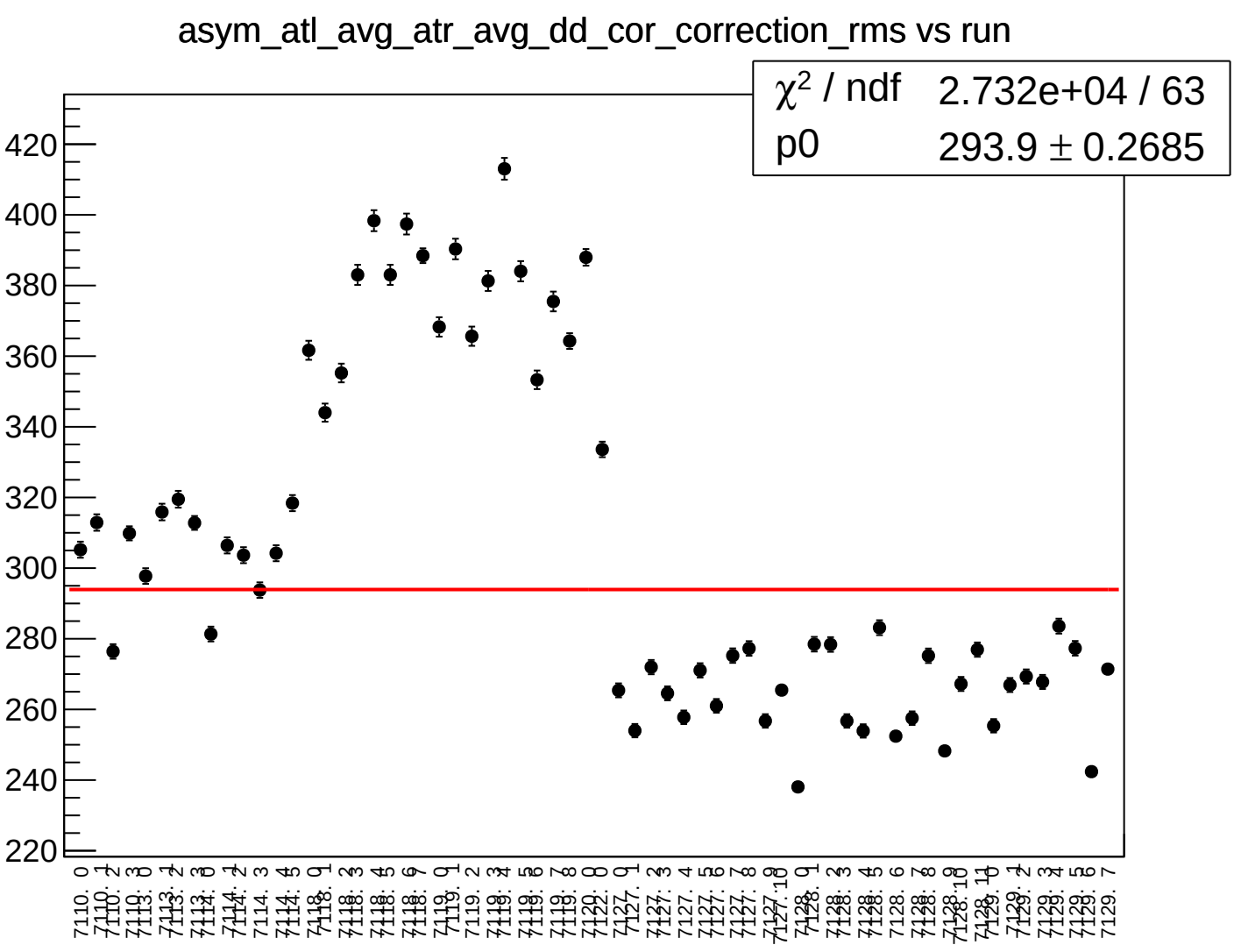

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.72 / 63
p0 −625 ± 1606
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −815.5
Std Dev 0
2
1
0
−1
−2

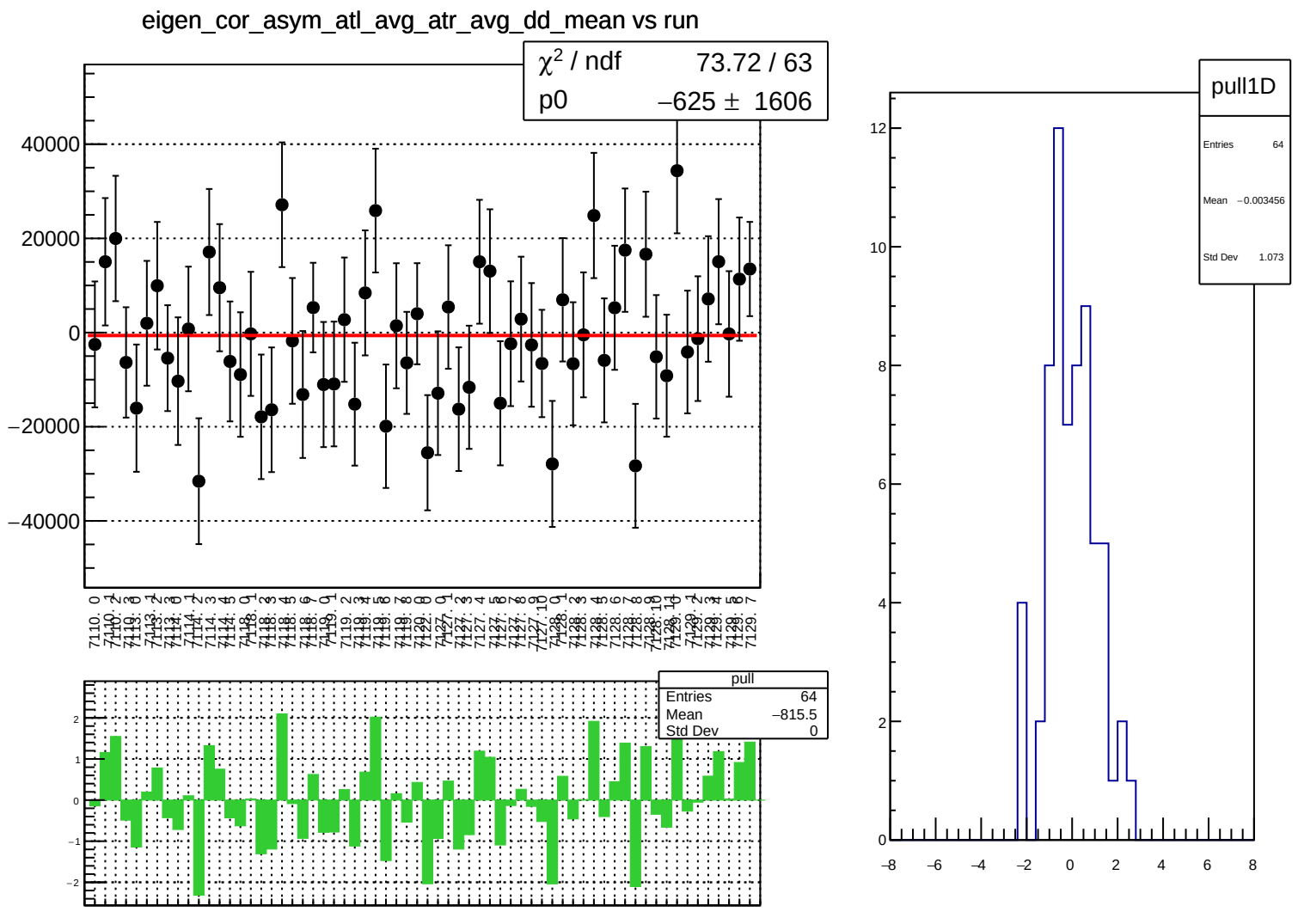

pull1D
Entries 64
Mean −0.003456
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

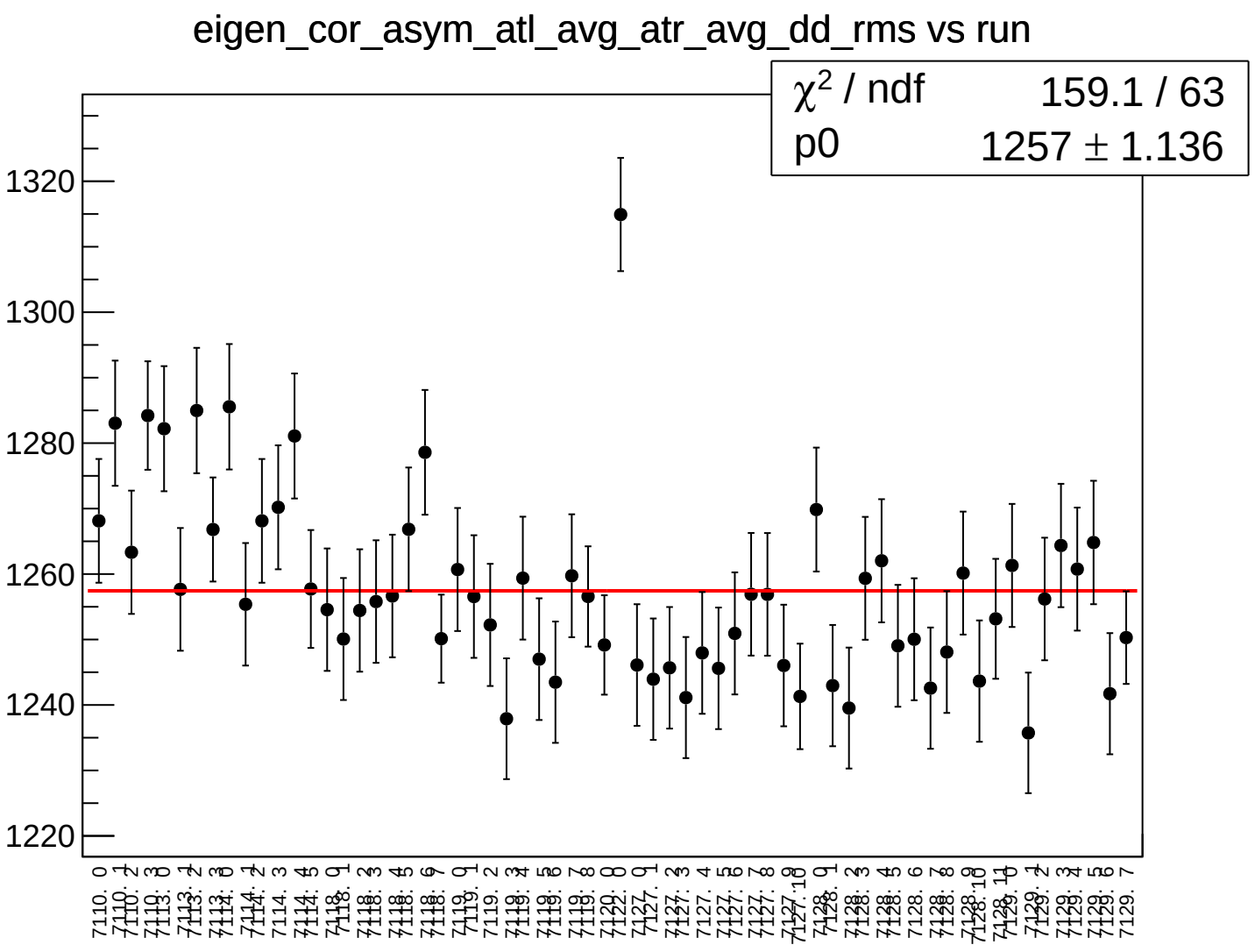

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 159.1 / 63
p0 1257 ± 1.136
1320
1300
1280
1260
1240
1220

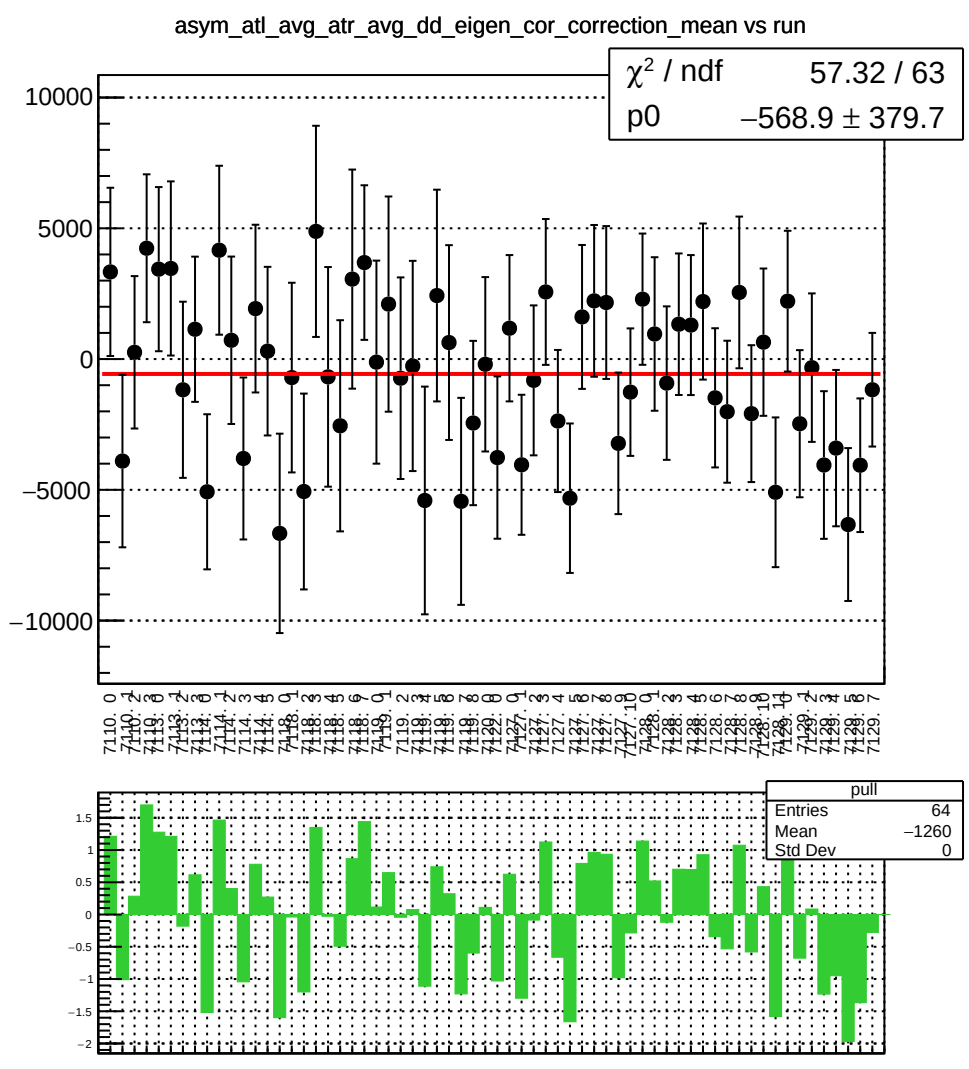

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 57.32 / 63
p0 −568.9 ± 379.7
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1260
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

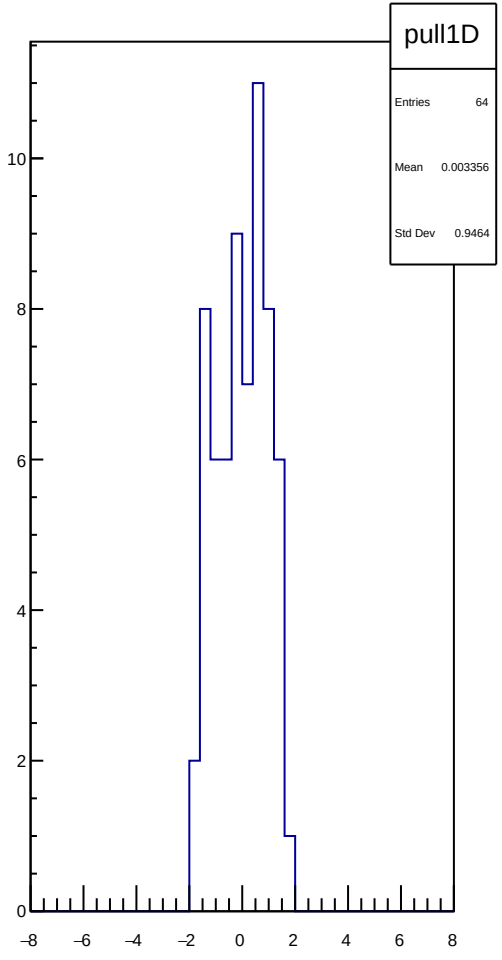

pull1D
Entries 64
Mean 0.003356
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

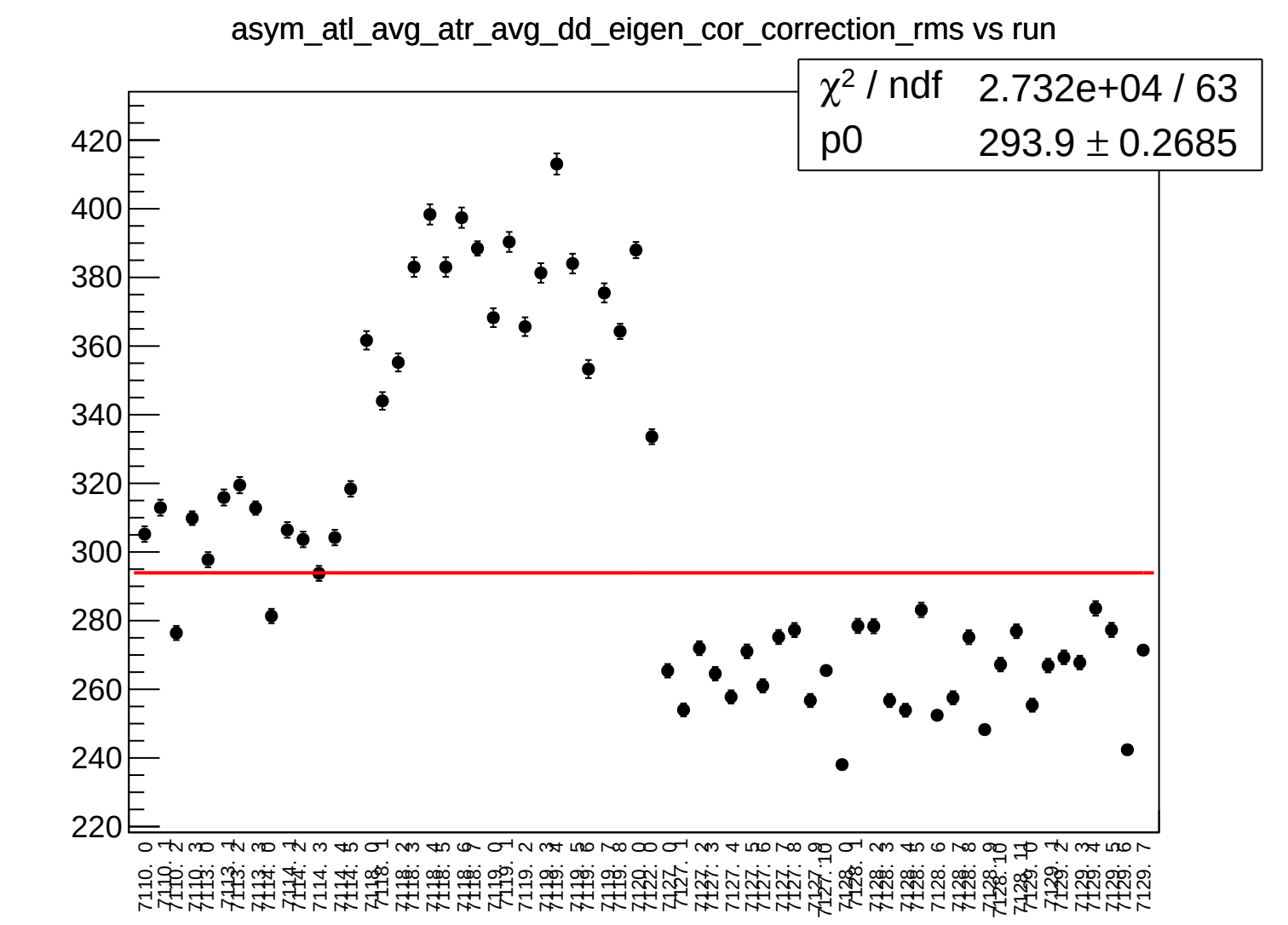

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.732e+04 / 63
p0 293.9 ± 0.2685
420
400
380
360
340
320
300
280
260
240
220

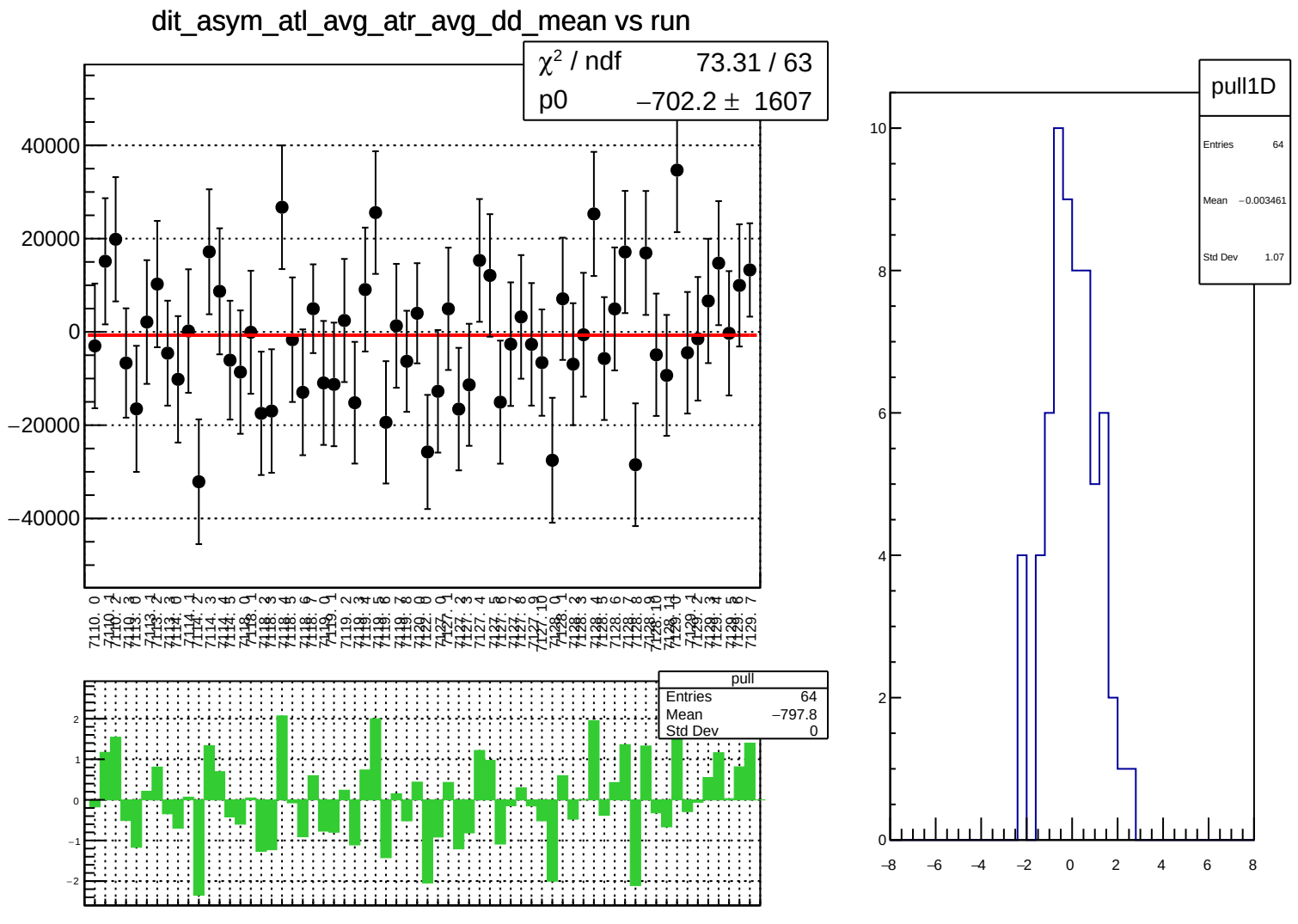

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.72 / 63
p0 −625 ± 1606
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −815.5
Std Dev 0
pull1D
Entries 64
Mean −0.003456
Std Dev 1.073

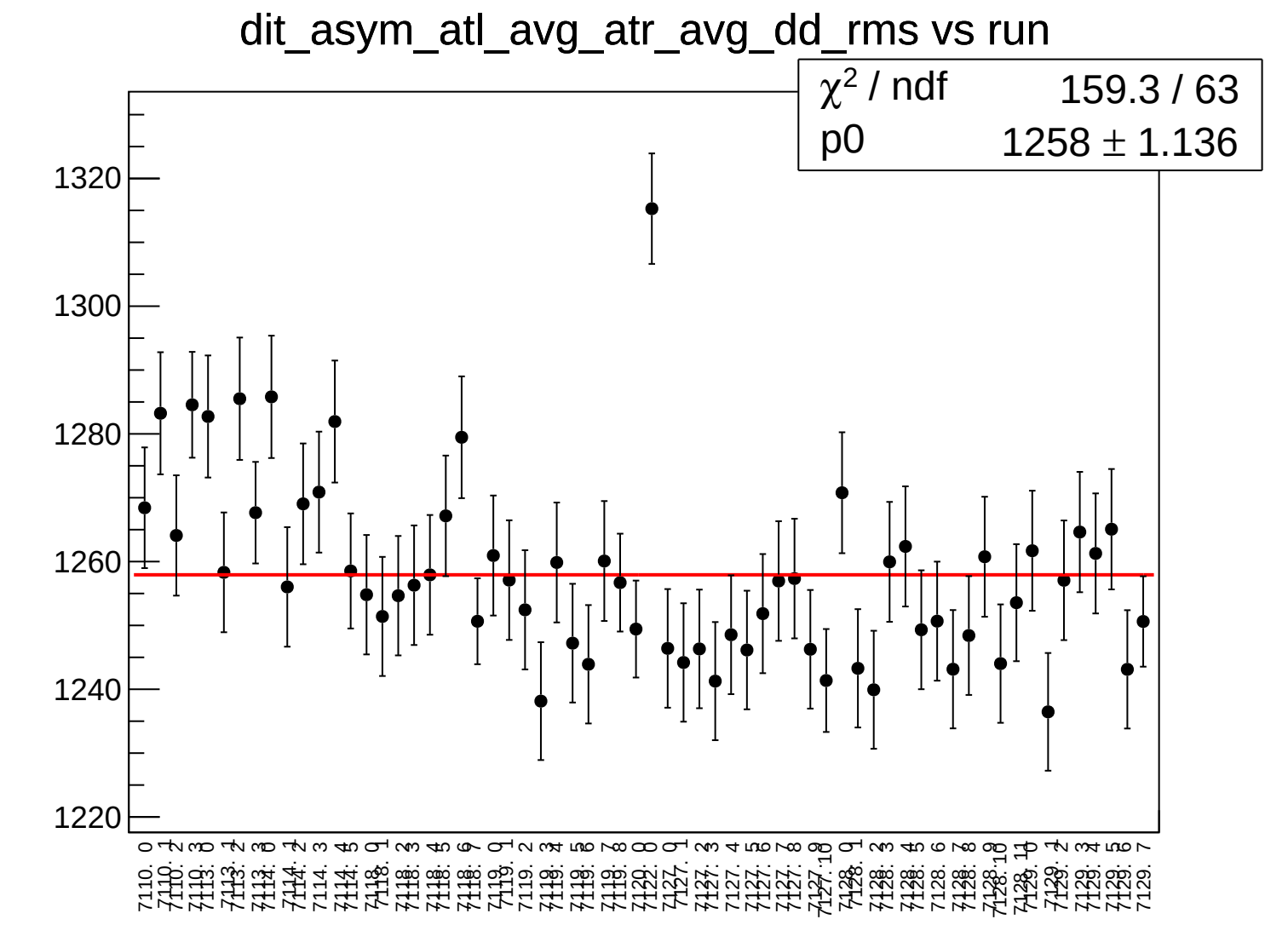

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 159.1 / 63
p0 1257 ± 1.136
1320
1300
1280
1260
1240
1220

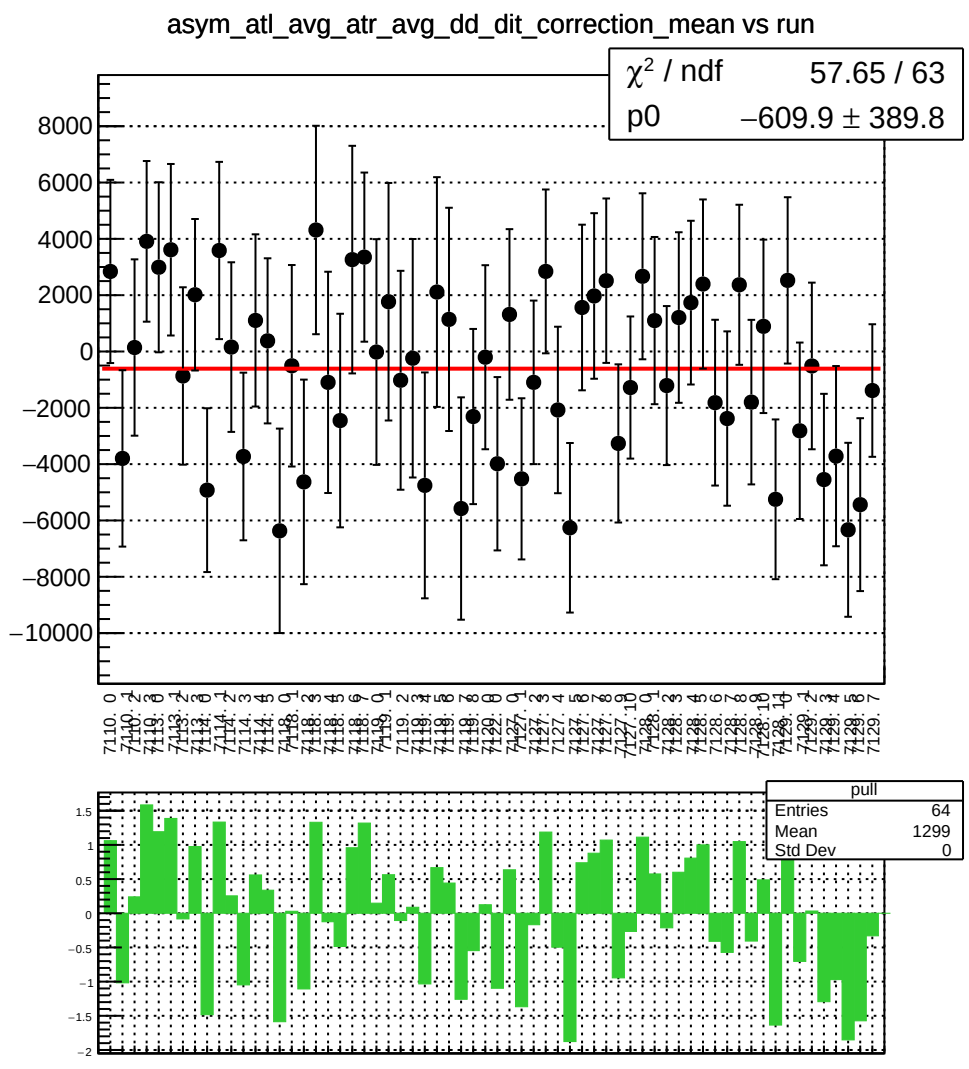

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.32 / 63
p0 −568.9 ± 379.7
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1260
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

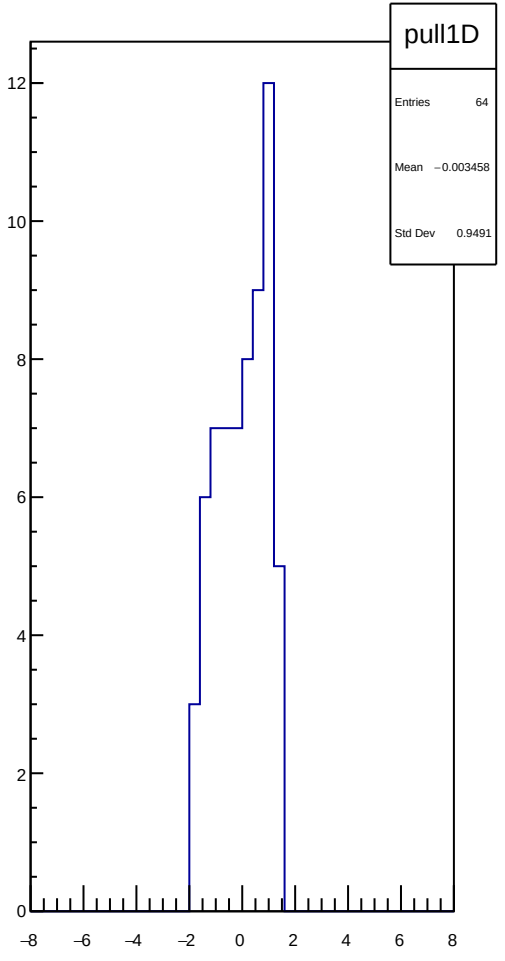

pull1D
Entries 64
Mean 0.003356
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

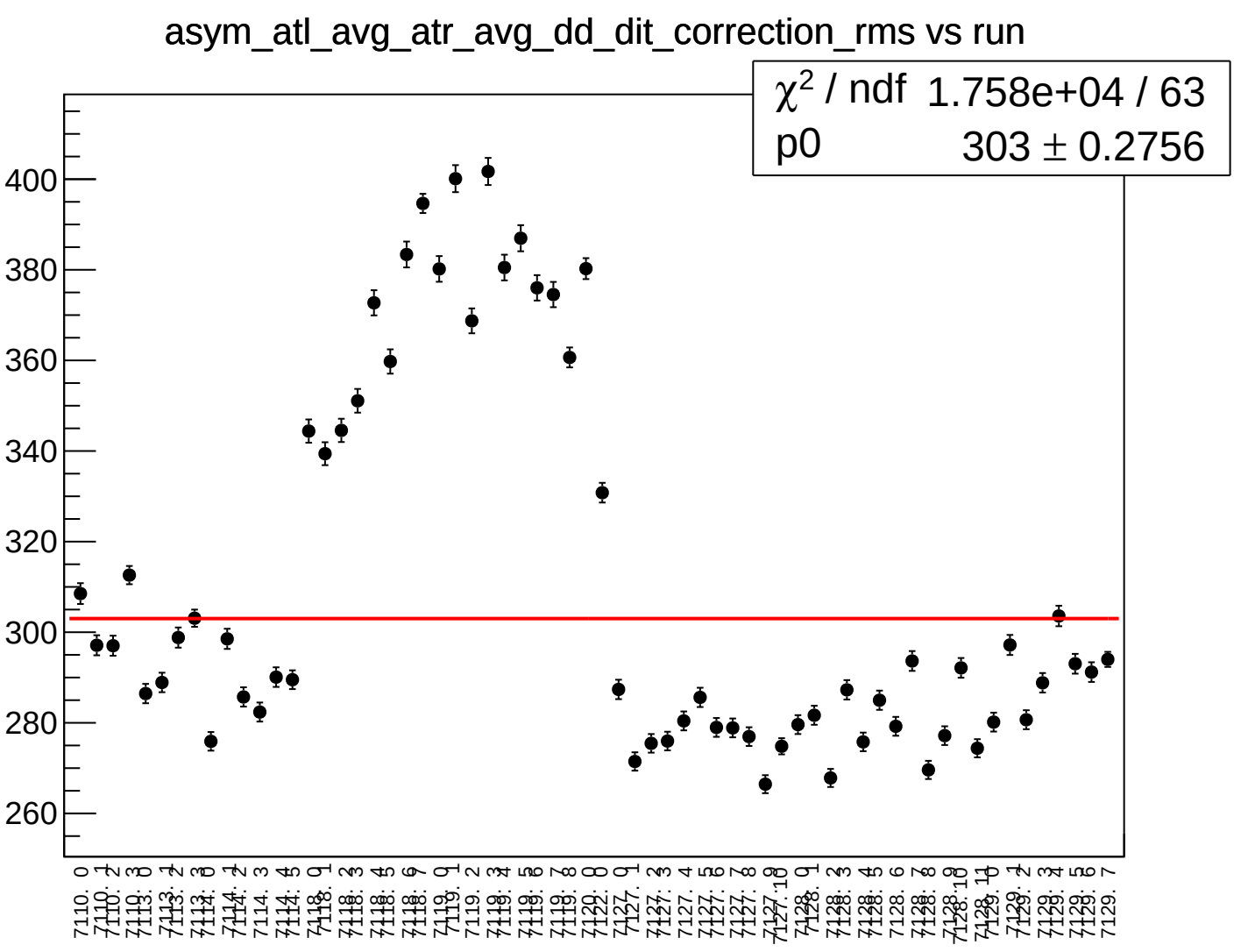

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.732e+04 / 63
p0 293.9 ± 0.2685
420
400
380
360
340
320
300
280
260
240
220

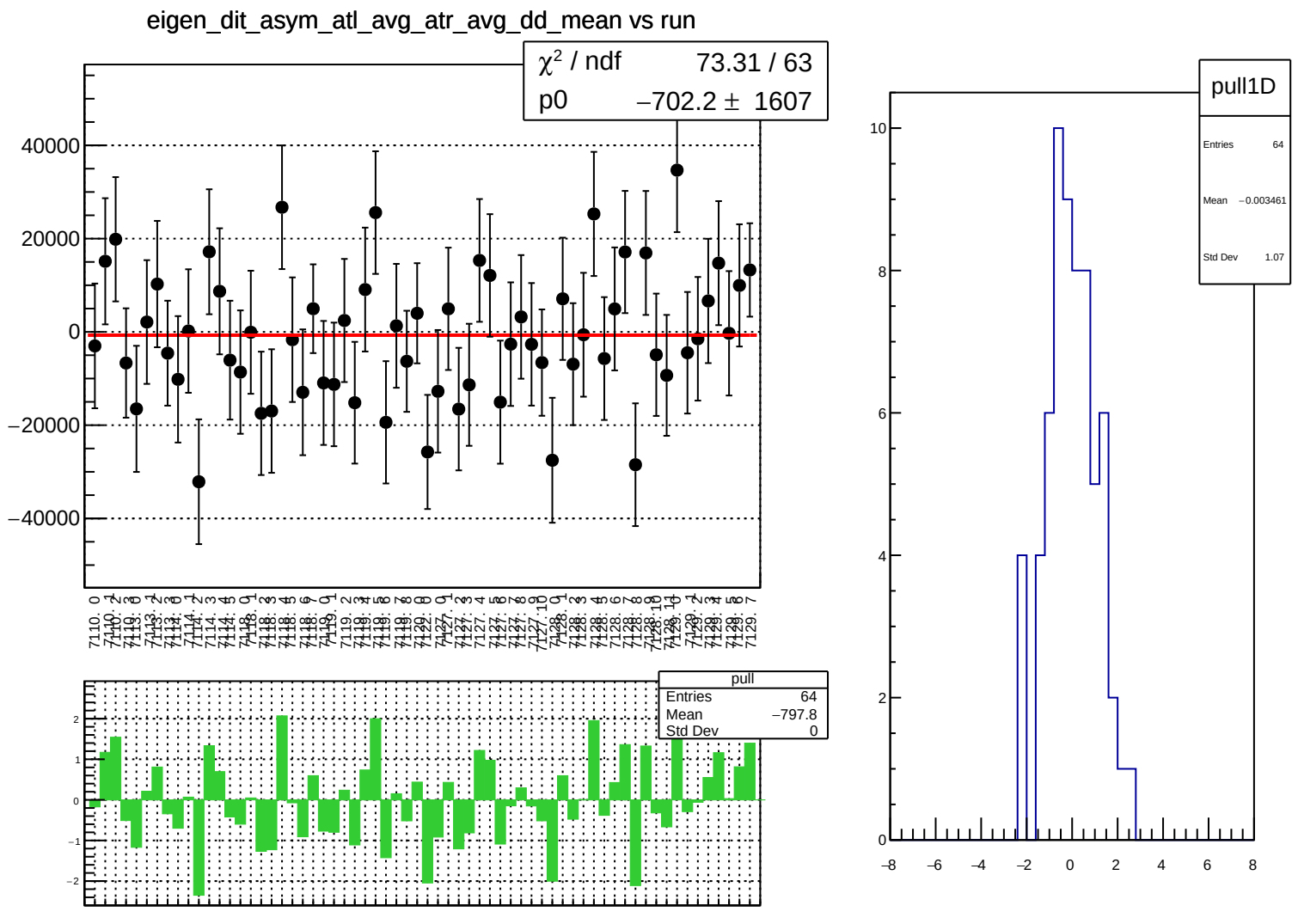

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.31 / 63
p0 −702.2 ± 1607
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −797.8
Std Dev 0
pull1D
Entries 64
Mean −0.003461
Std Dev 1.07

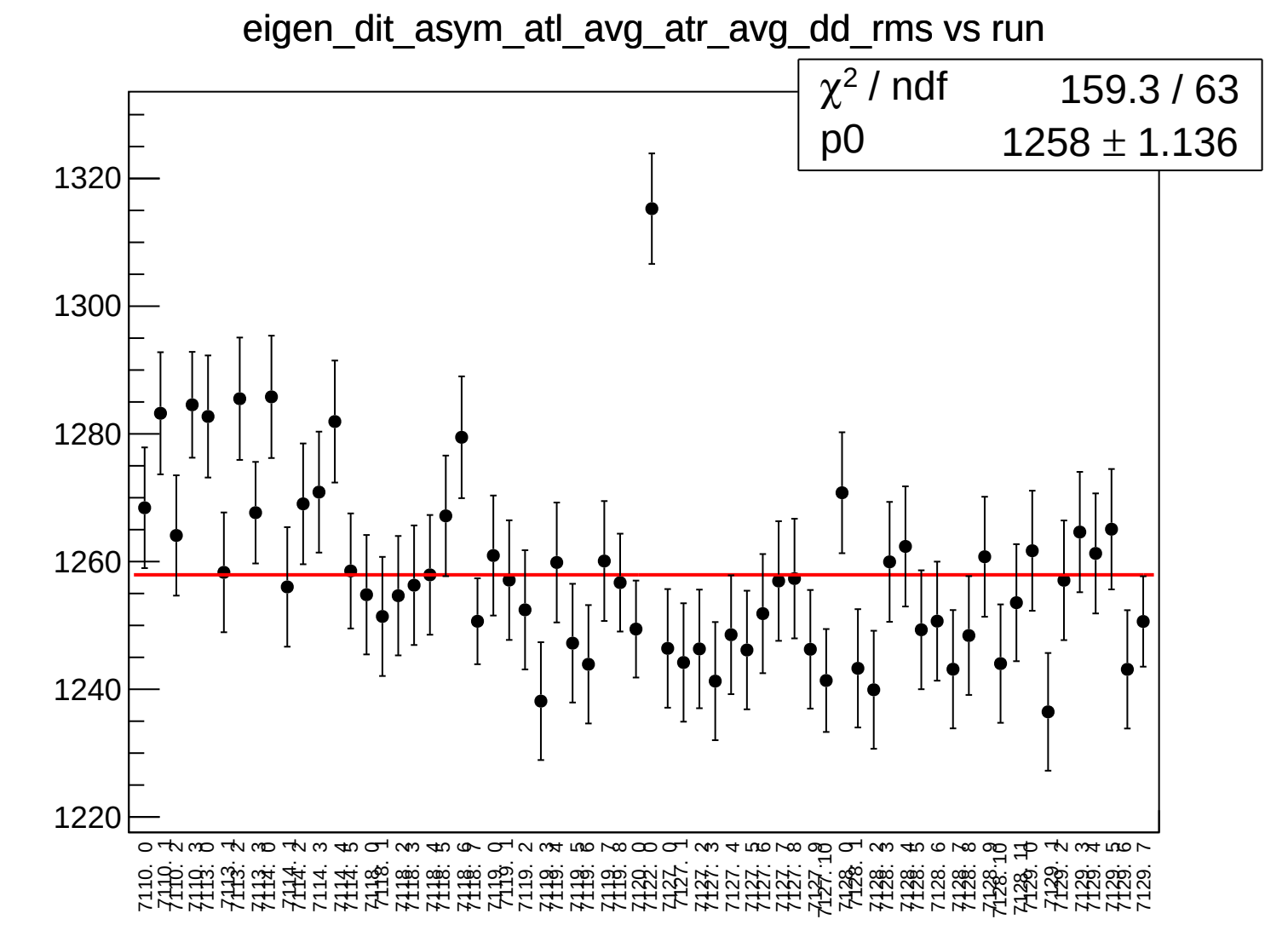

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 159.3 / 63
p0 1258 ± 1.136
1320
1300
1280
1260
1240
1220

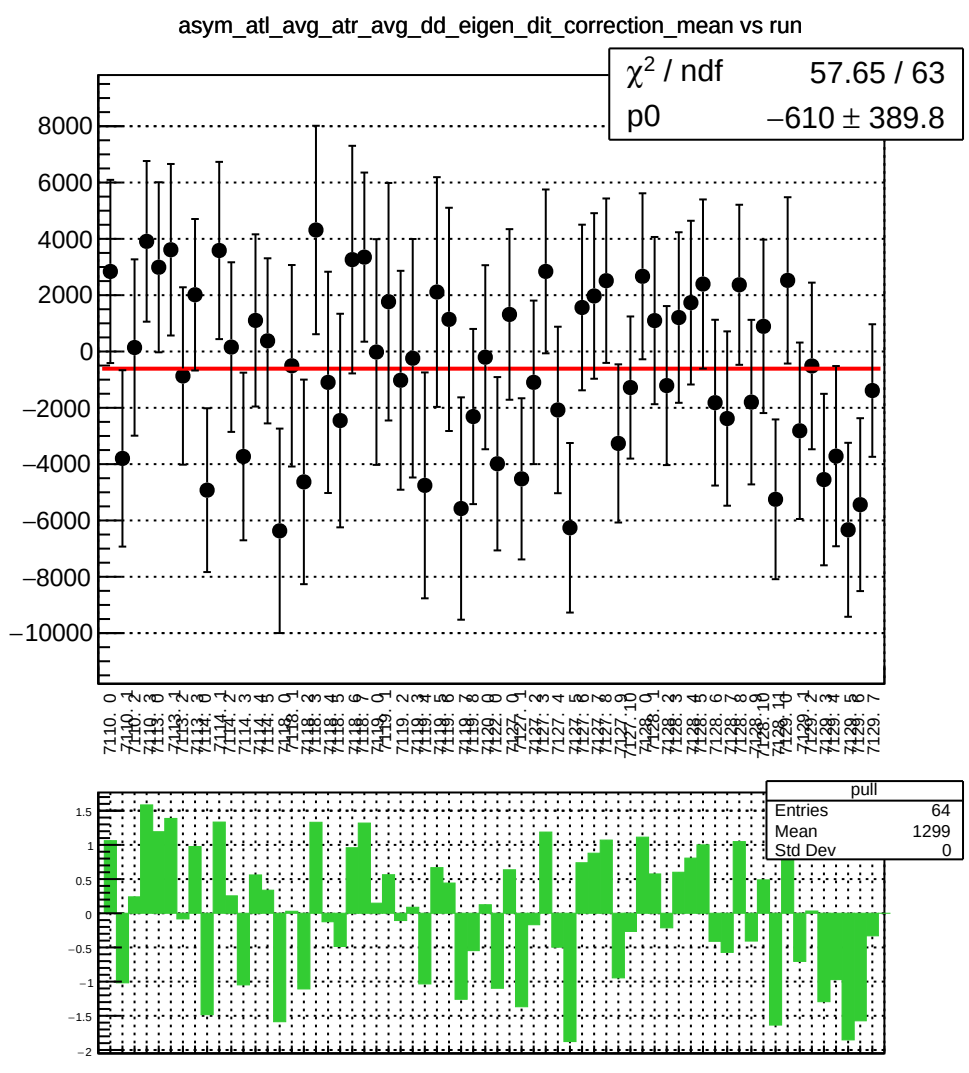

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 57.65 / 63
p0 −609.9 ± 389.8
pull
Entries 64
Mean 1299
Std Dev 0

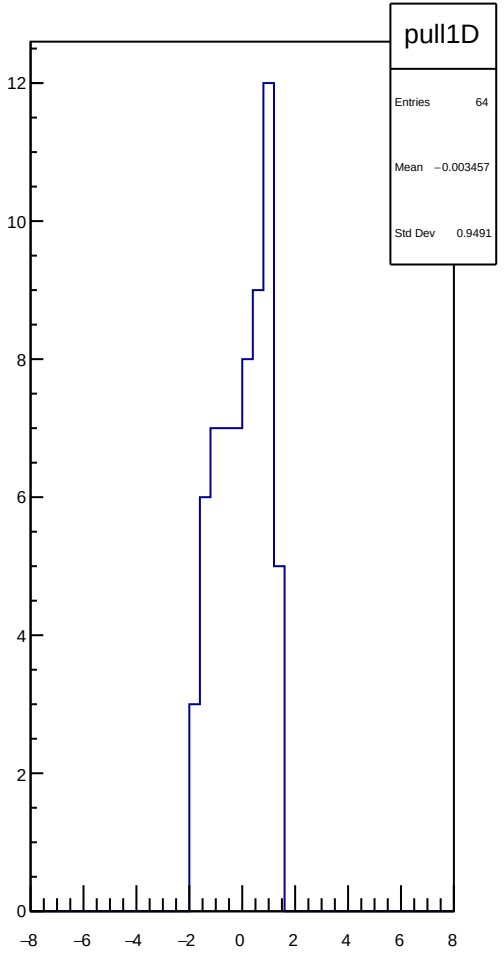

pull1D
Entries 64
Mean −0.003458
Std Dev 0.9491

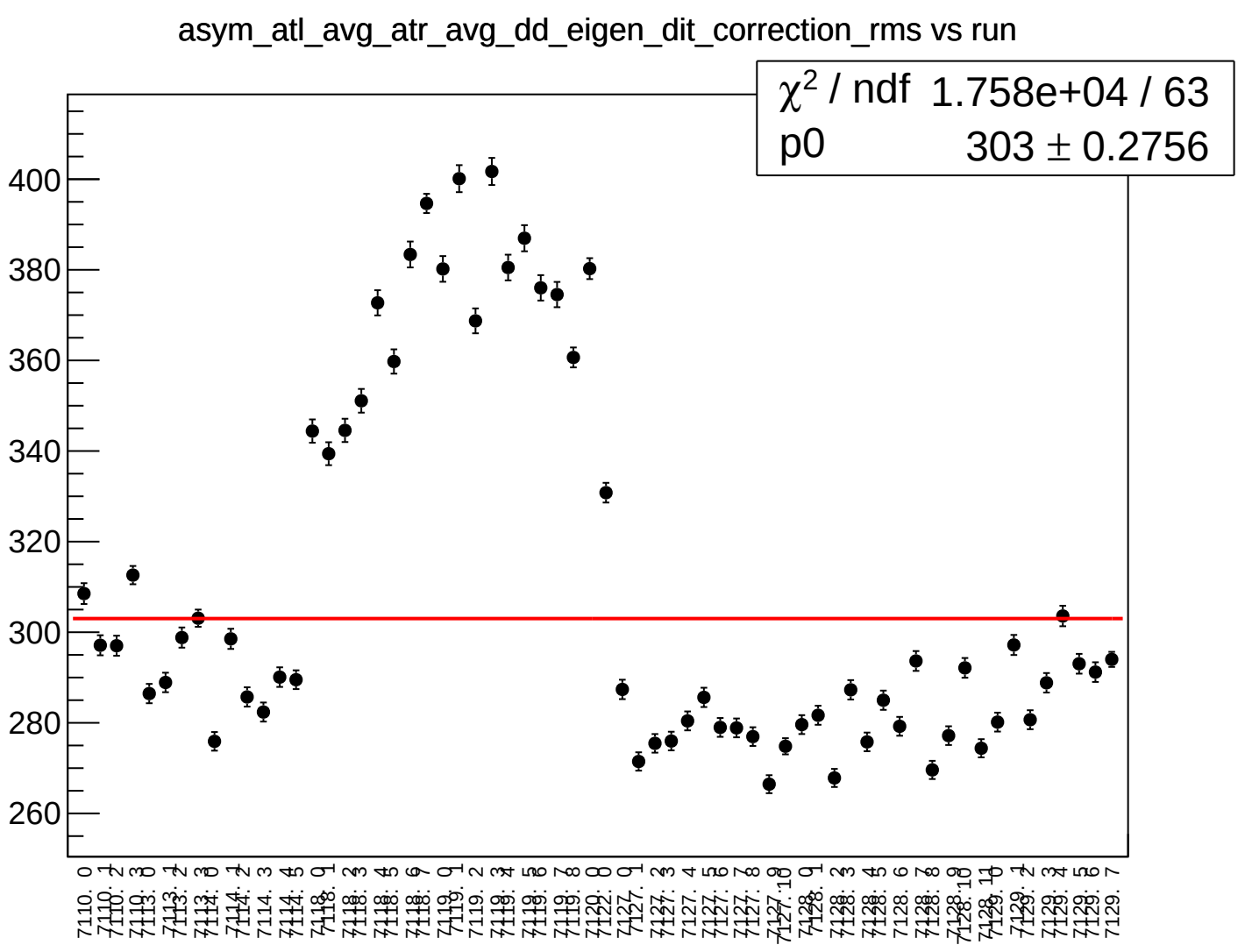

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.758e+04 / 63
p0 303 ± 0.2756
400
380
360
340
320
300
280
260

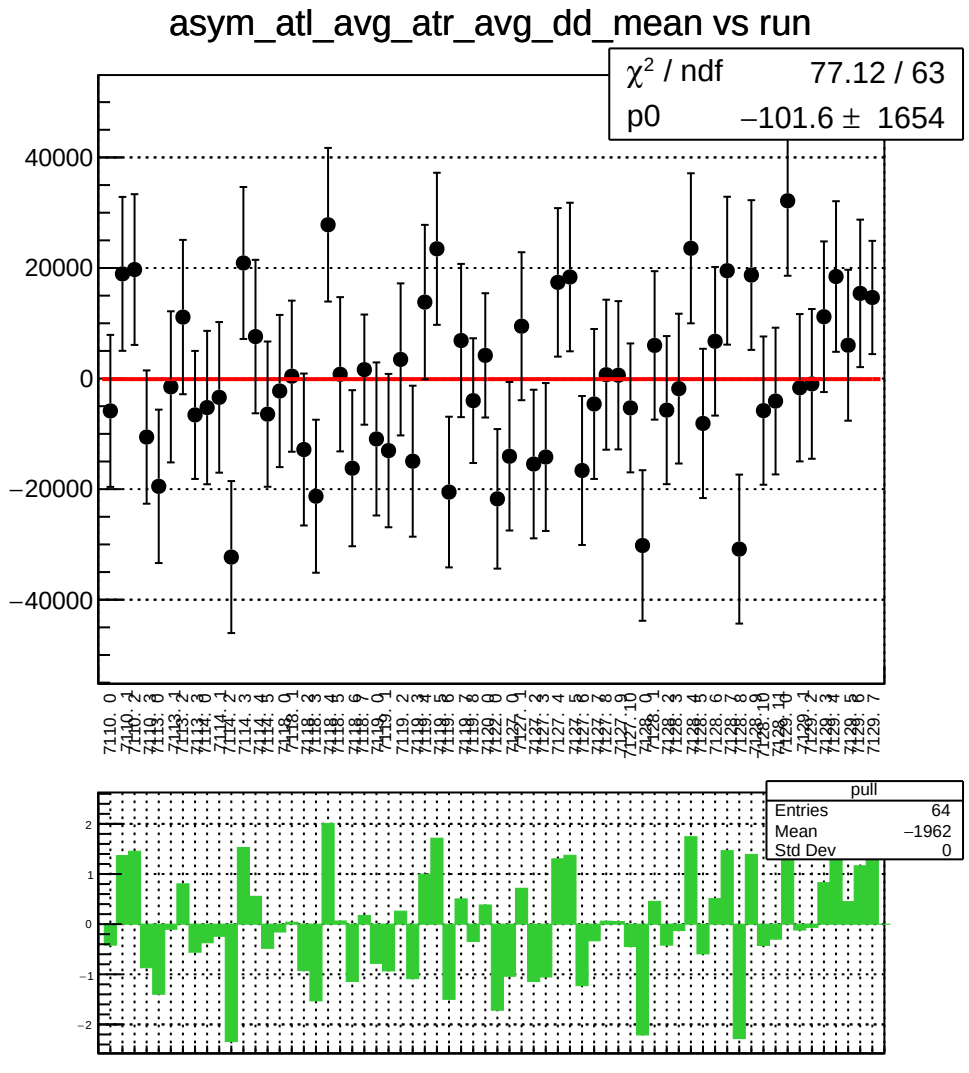

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.31 / 63
p0 −702.2 ± 1607
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −797.8
Std Dev 0
pull1D
Entries 64
Mean −0.003461
Std Dev 1.07

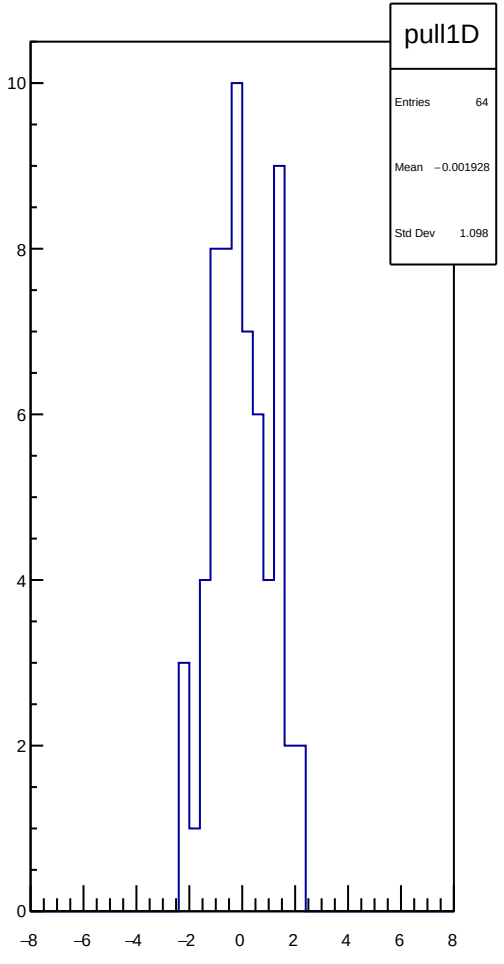

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 159.3 / 63
p0 1258 ± 1.136
1320
1300
1280
1260
1240
1220

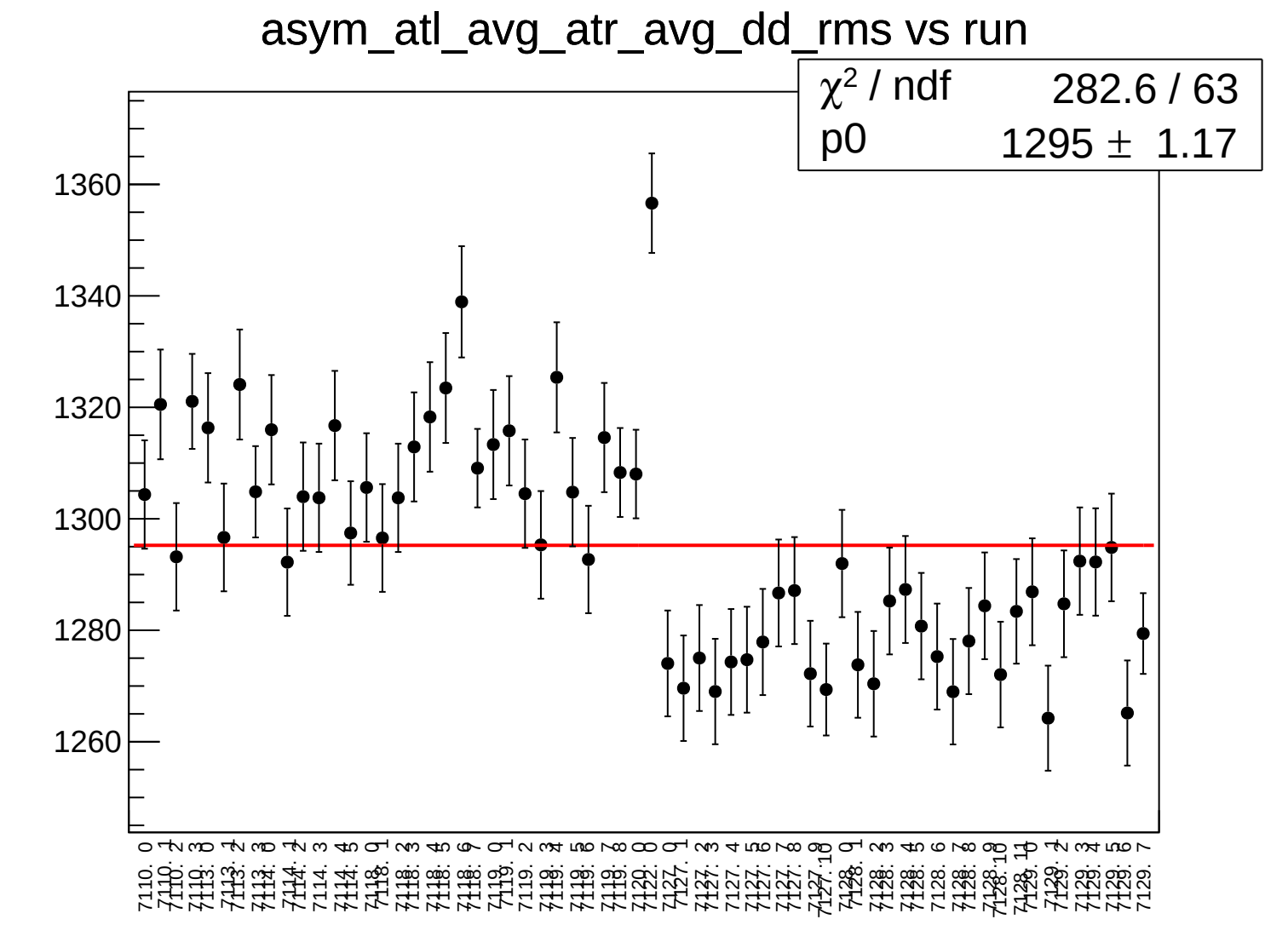

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.65 / 63
p0 −610 ± 389.8
pull
Entries 64
Mean 1299
Std Dev 0

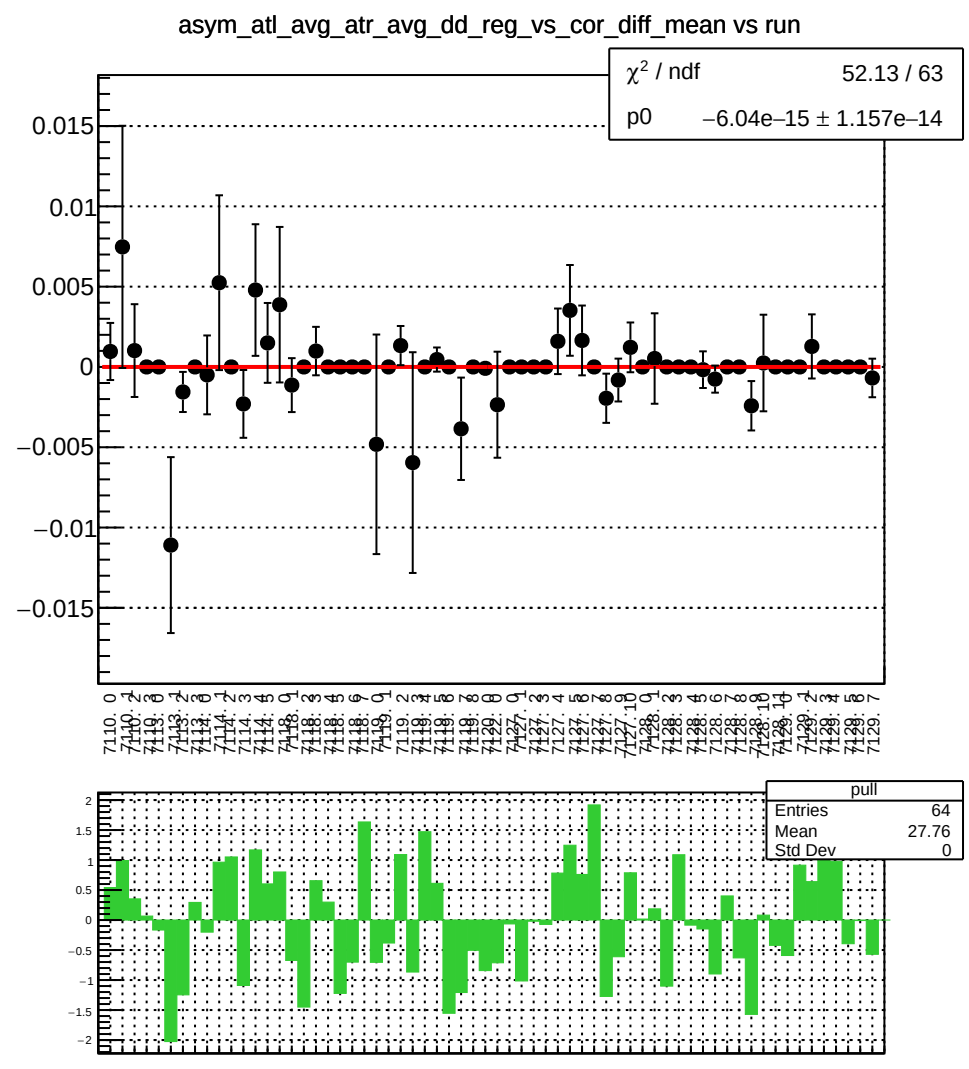

pull1D
Entries 64
Mean −0.003457
Std Dev 0.9491

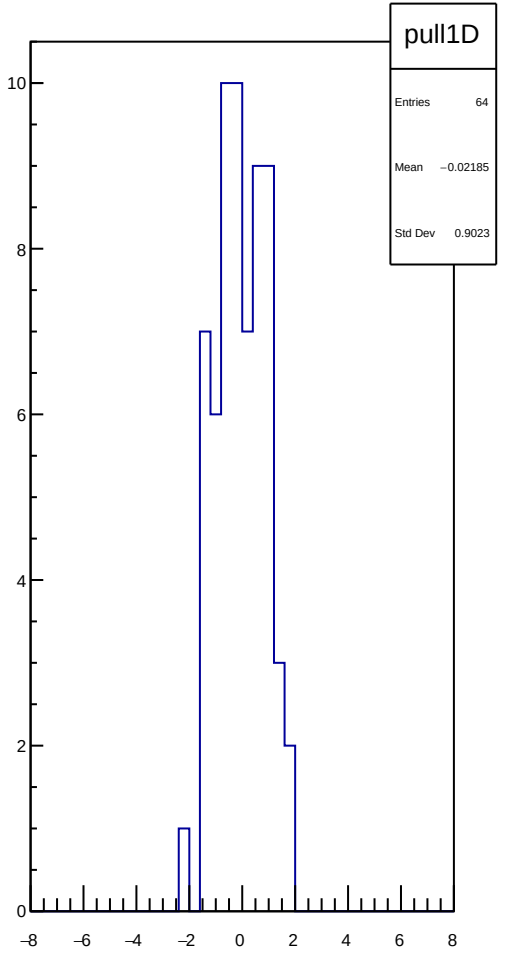

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.758e+04 / 63
p0 303 ± 0.2756
400
380
360
340
320
300
280
260

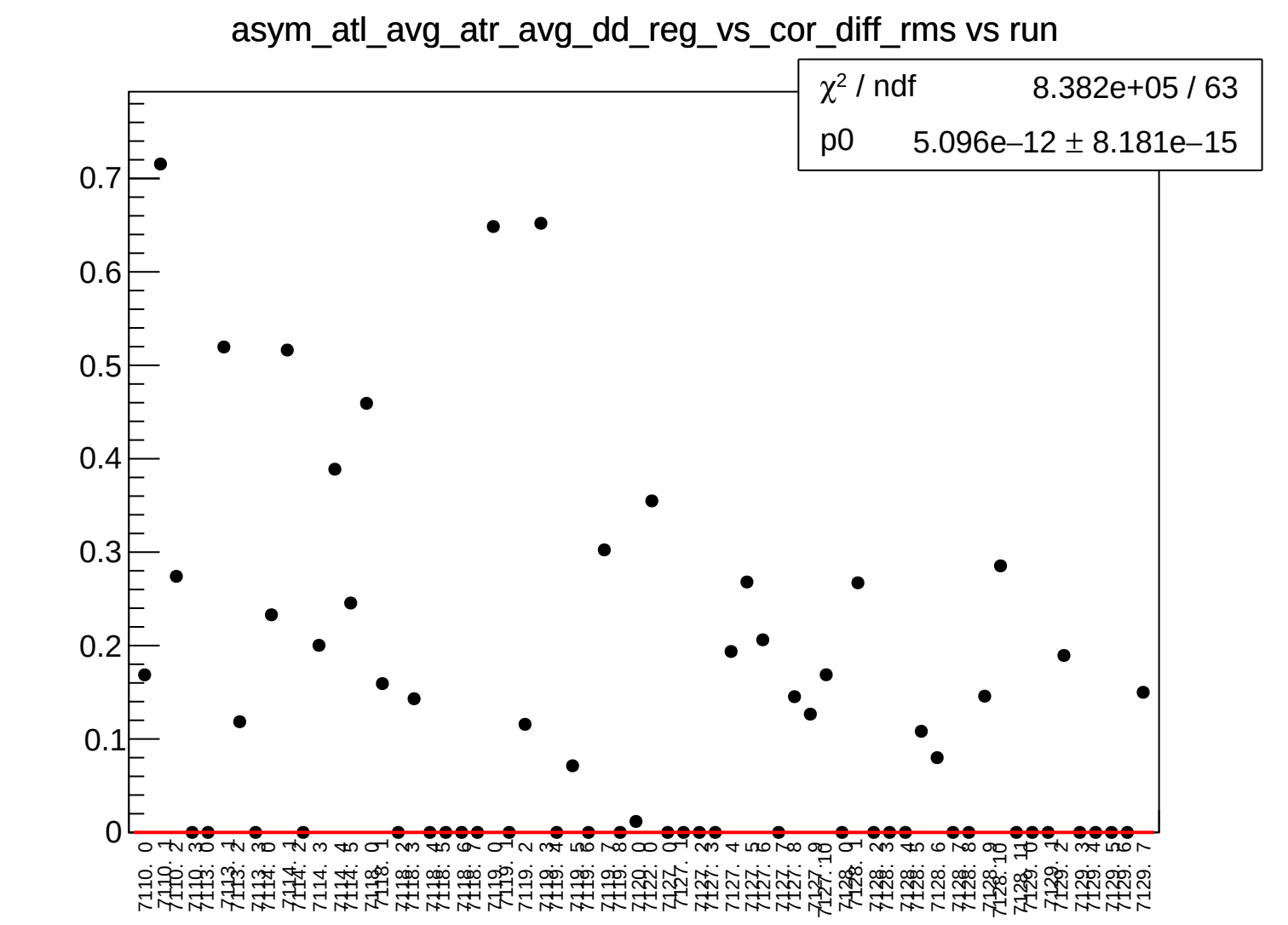

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.12 / 63
p0 −101.6 ± 1654
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −1962
Std Dev 0
2
1
0
−1
−2

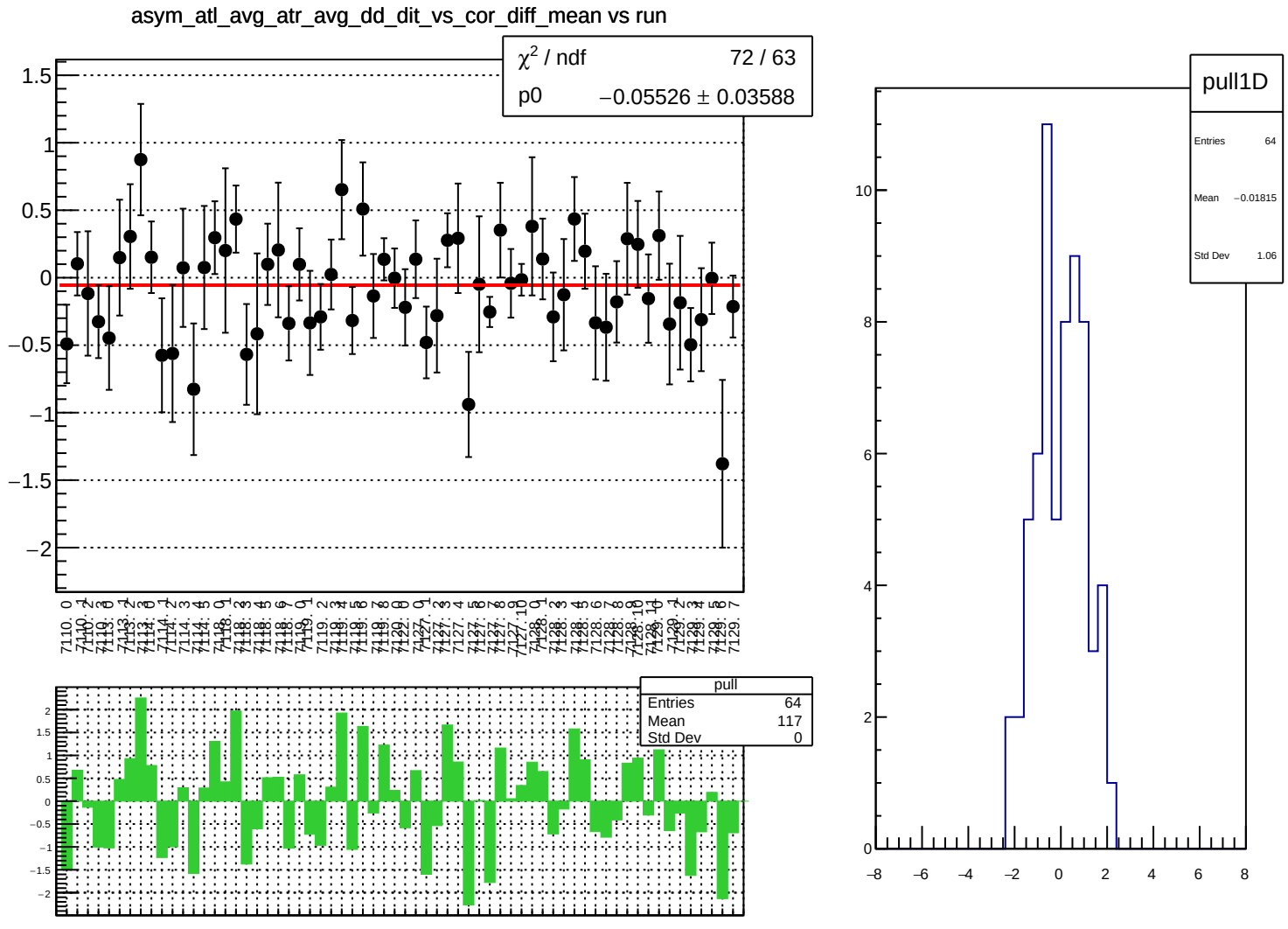

pull1D
Entries 64
Mean −0.001928
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

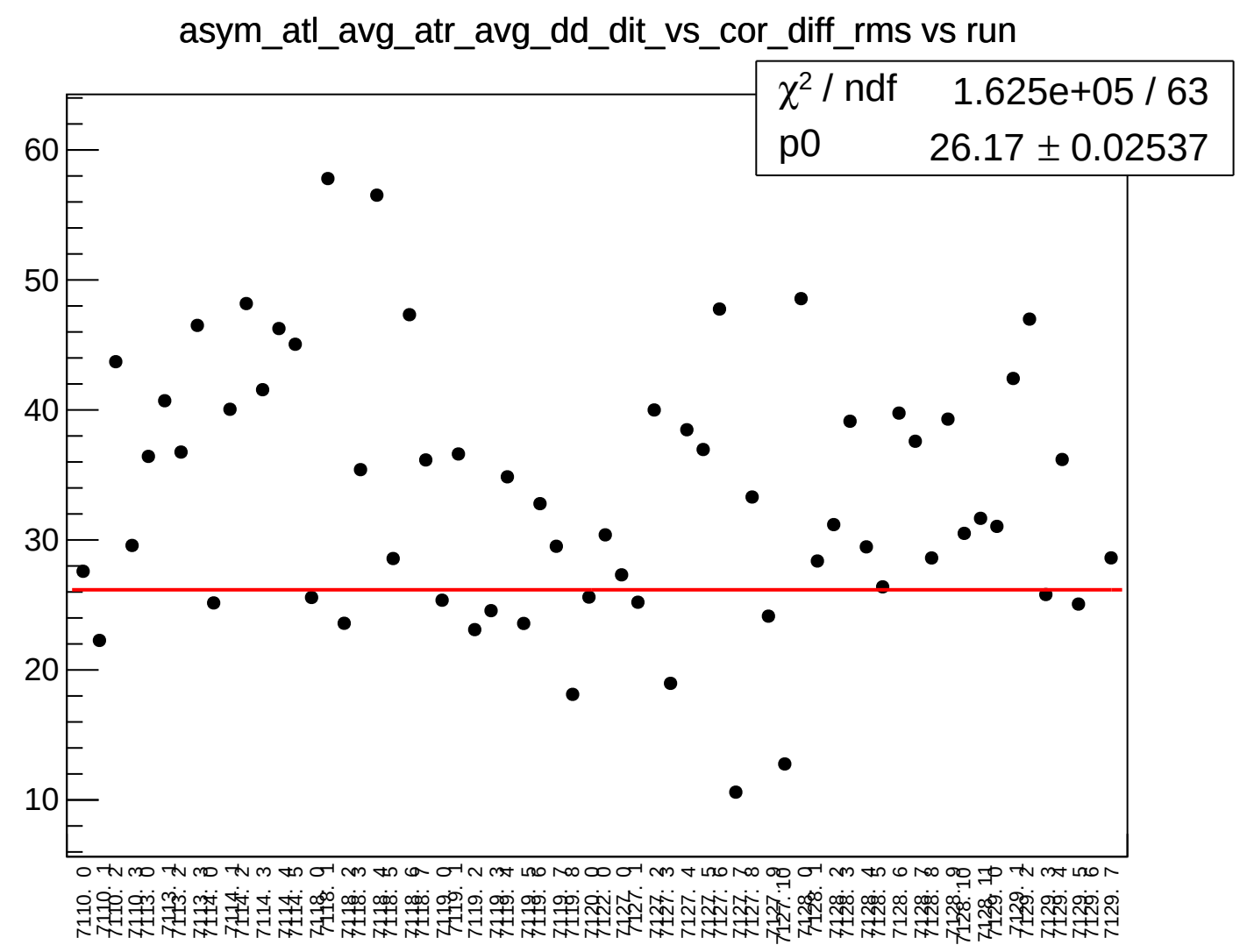

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 282.6 / 63
p0 1295 ± 1.17
1360
1340
1320
1300
1280
1260

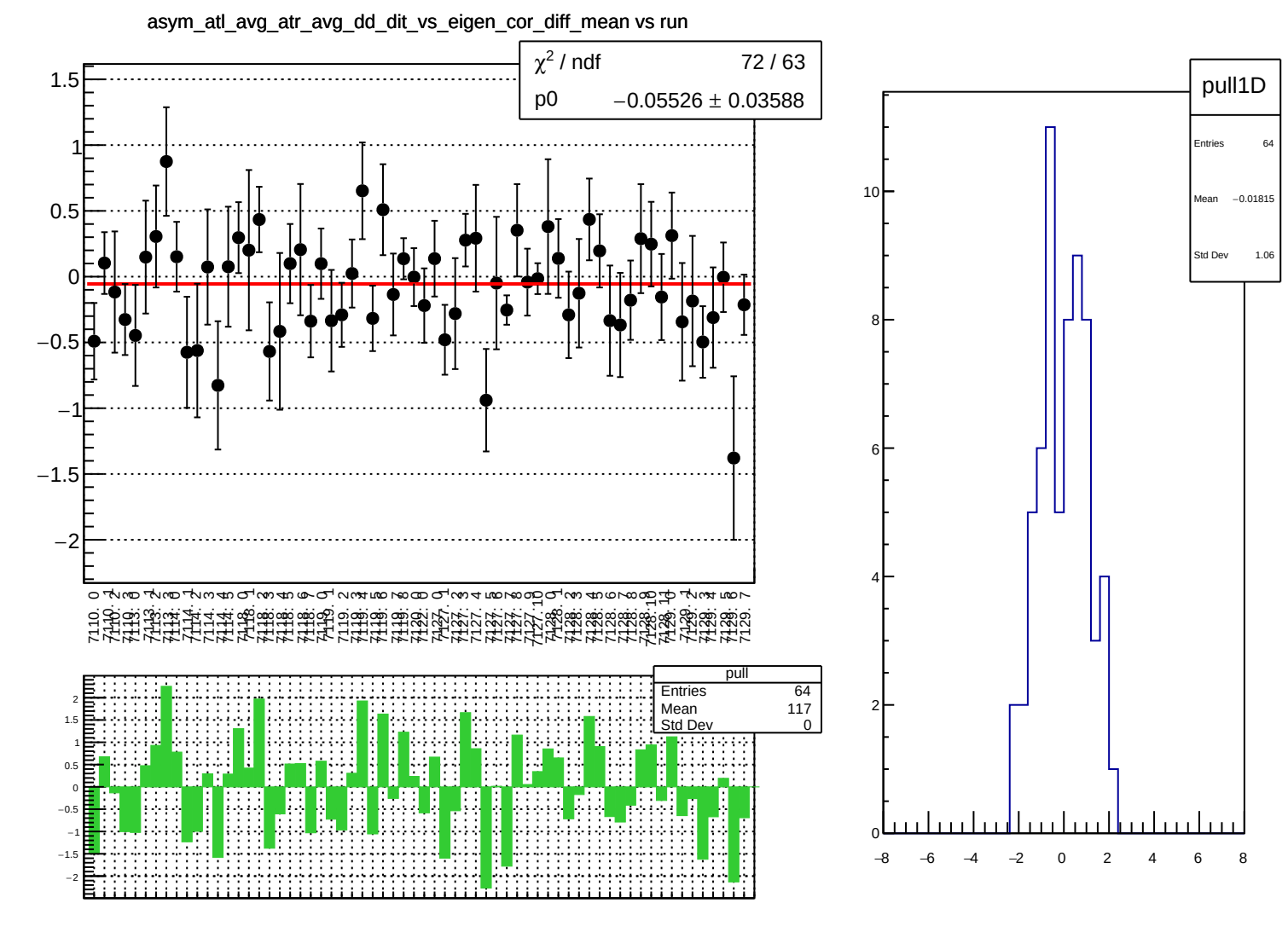

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.13 / 63
p0 −6.04e−15 ± 1.157e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 64
Mean 27.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

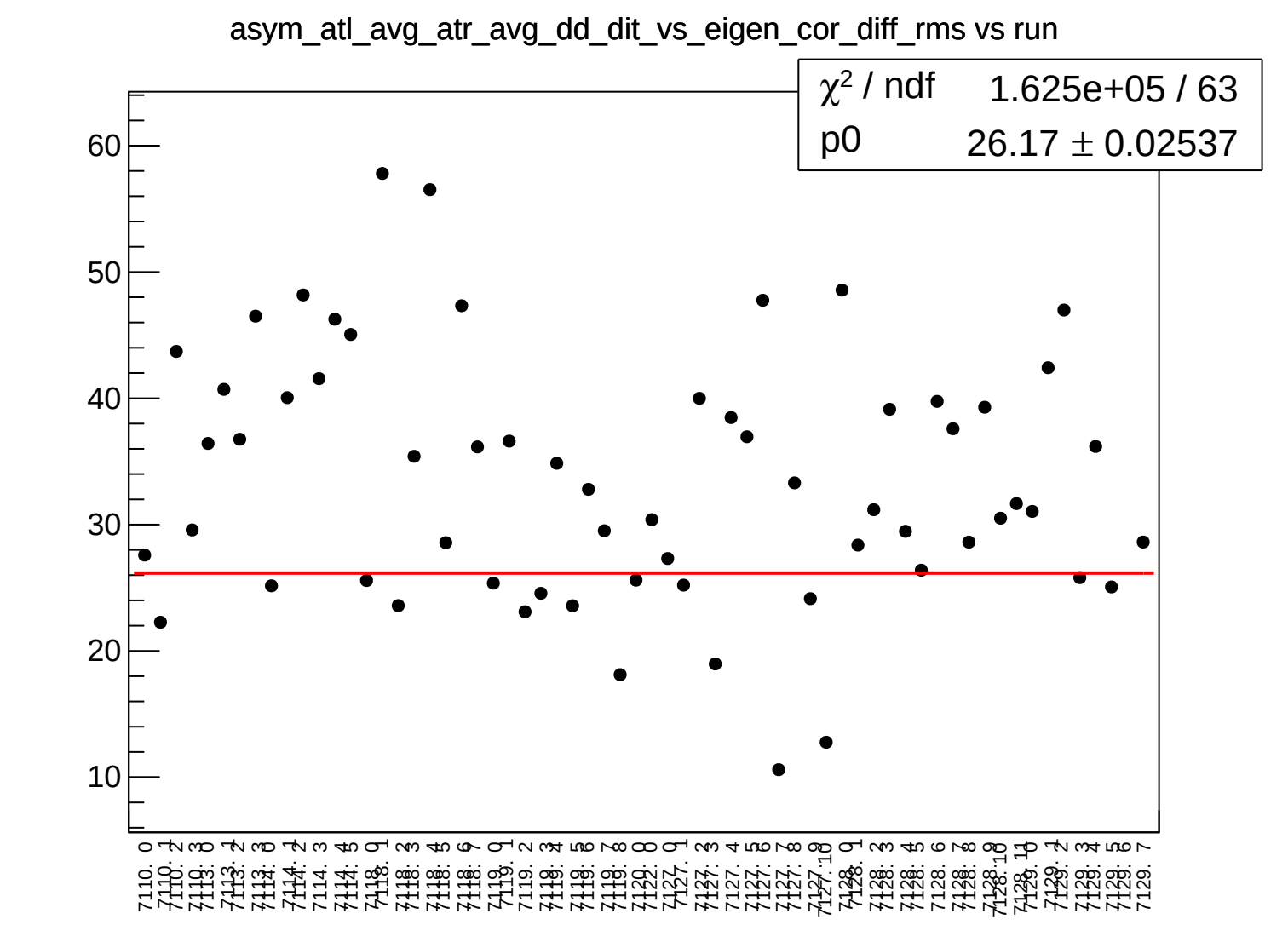

pull1D
Entries 64
Mean −0.02185
Std Dev 0.9023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

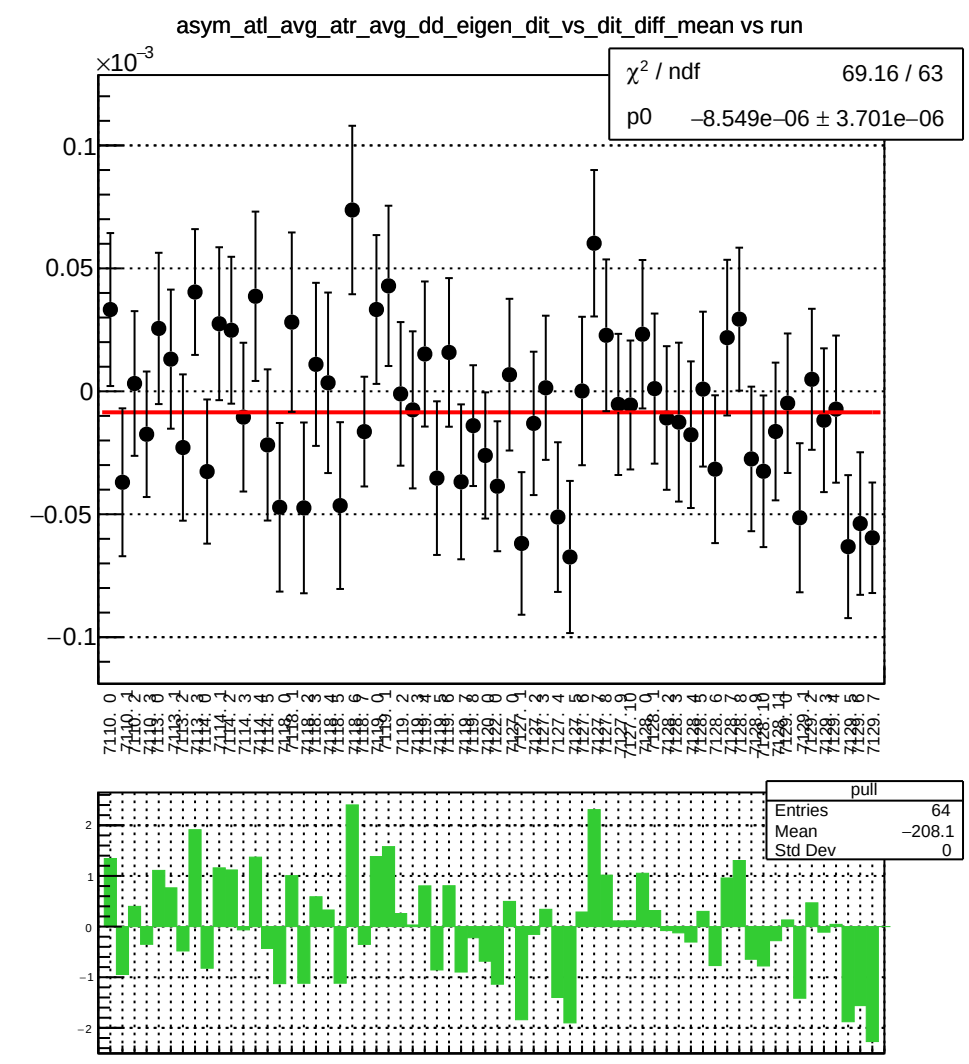

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.382e+05 / 63
p0 5.096e−12 ± 8.181e−15
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

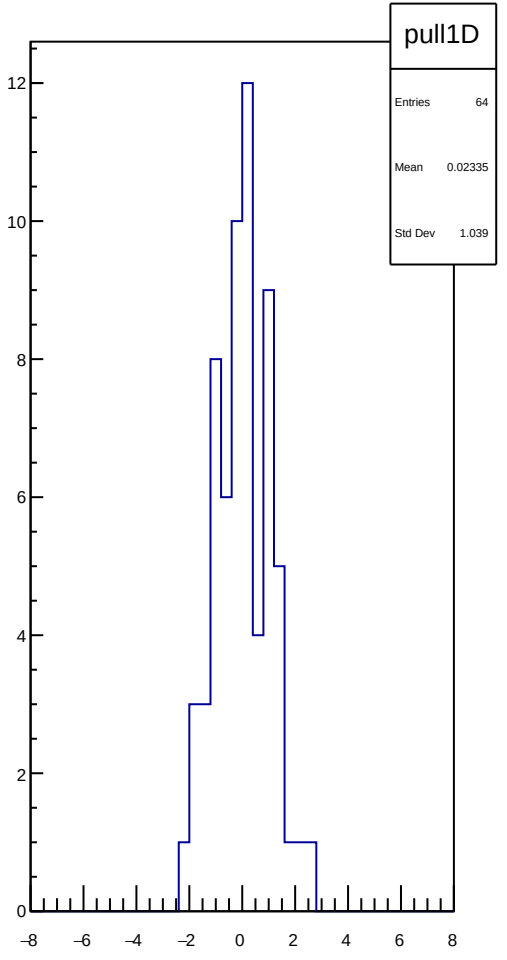

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01815
Std Dev 1.06

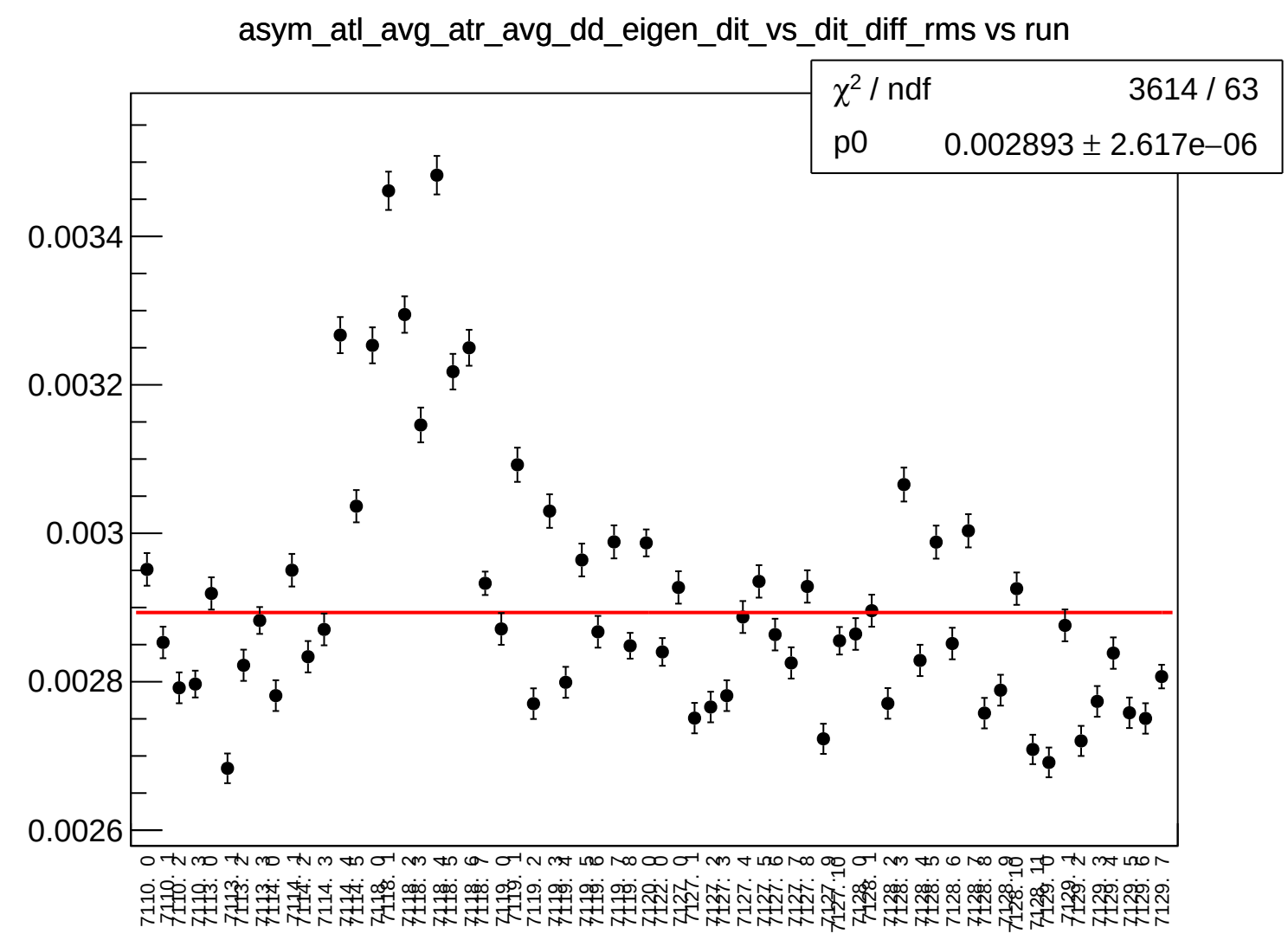

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

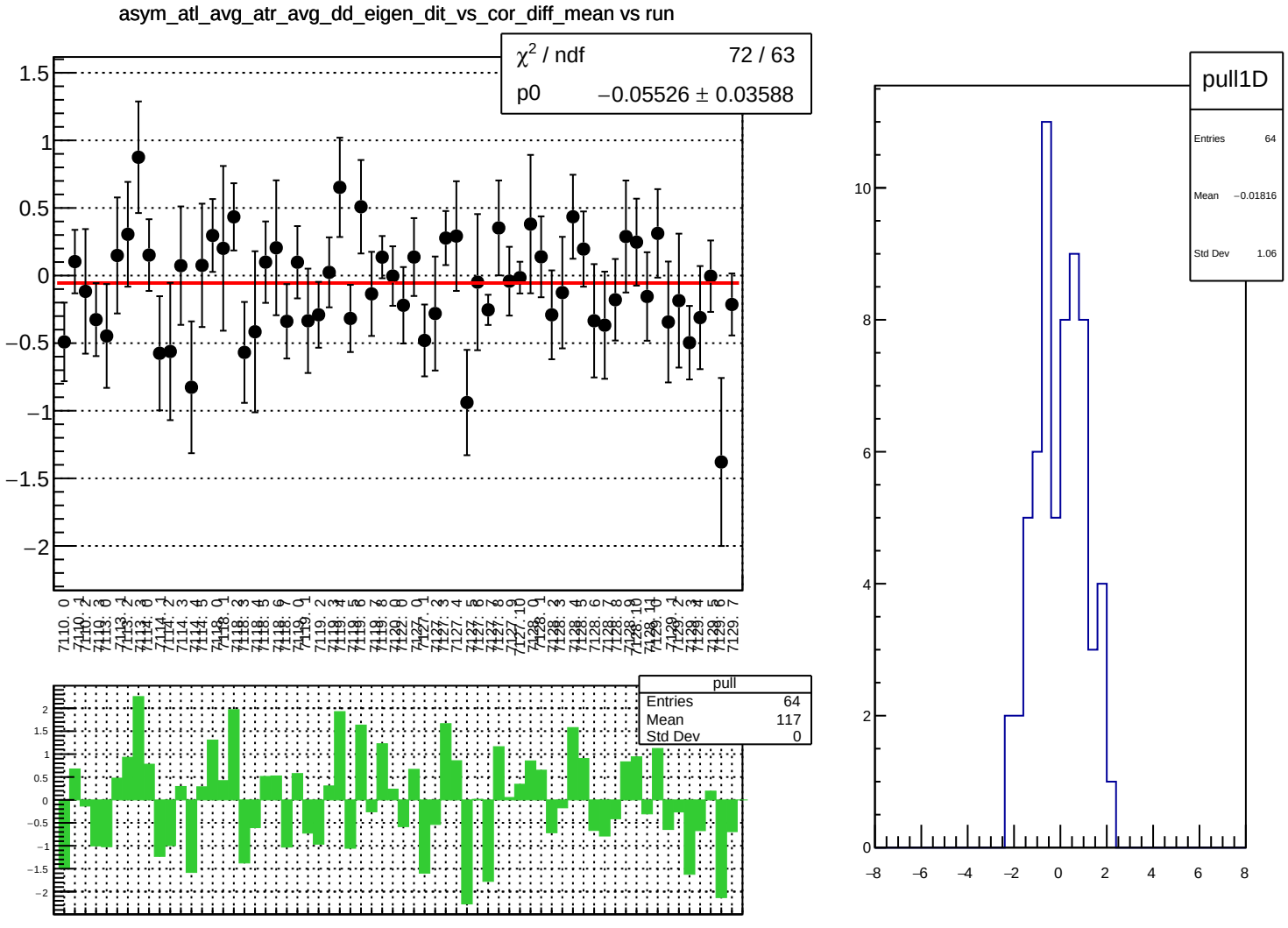

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01815
Std Dev 1.06

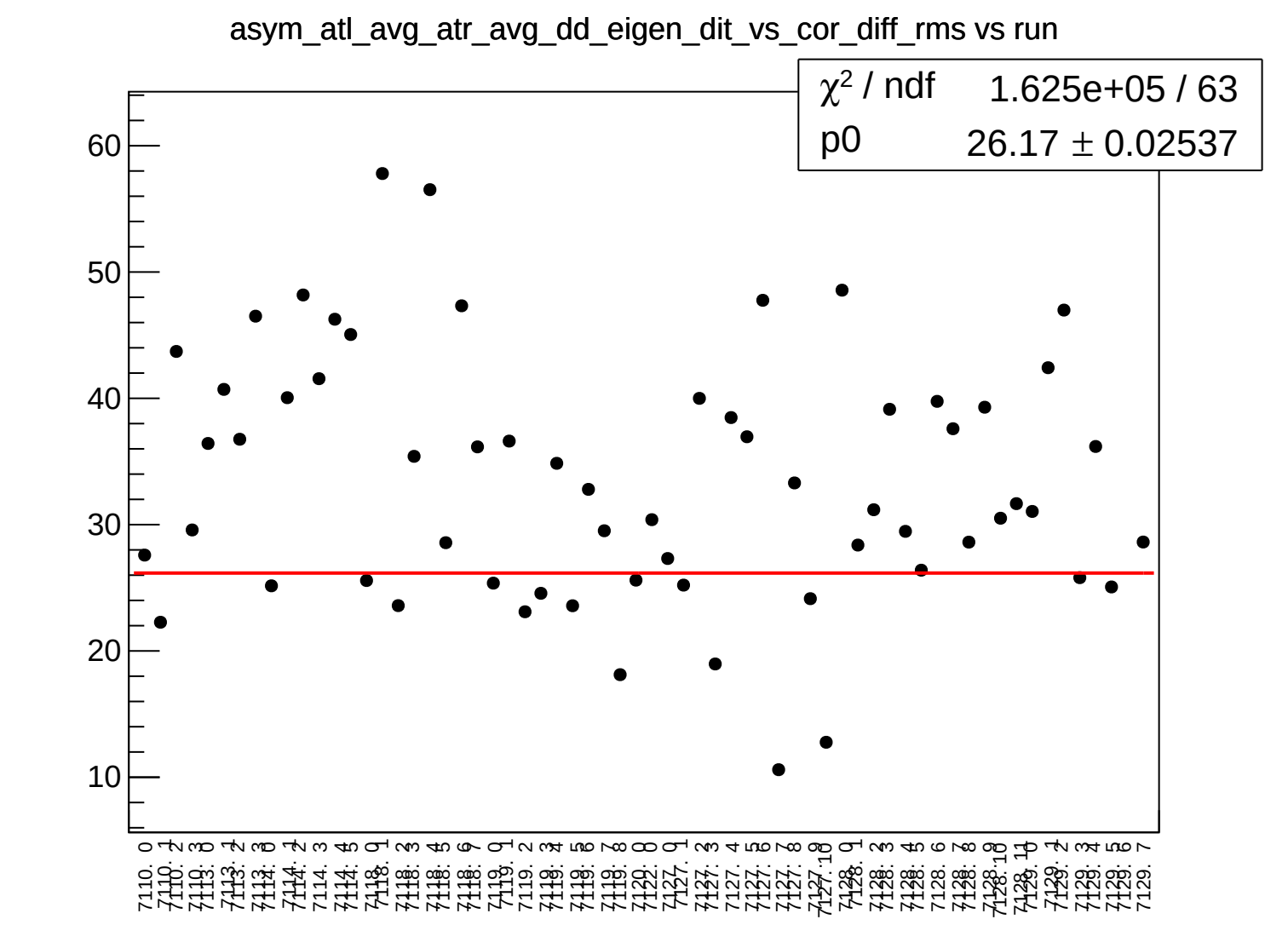

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

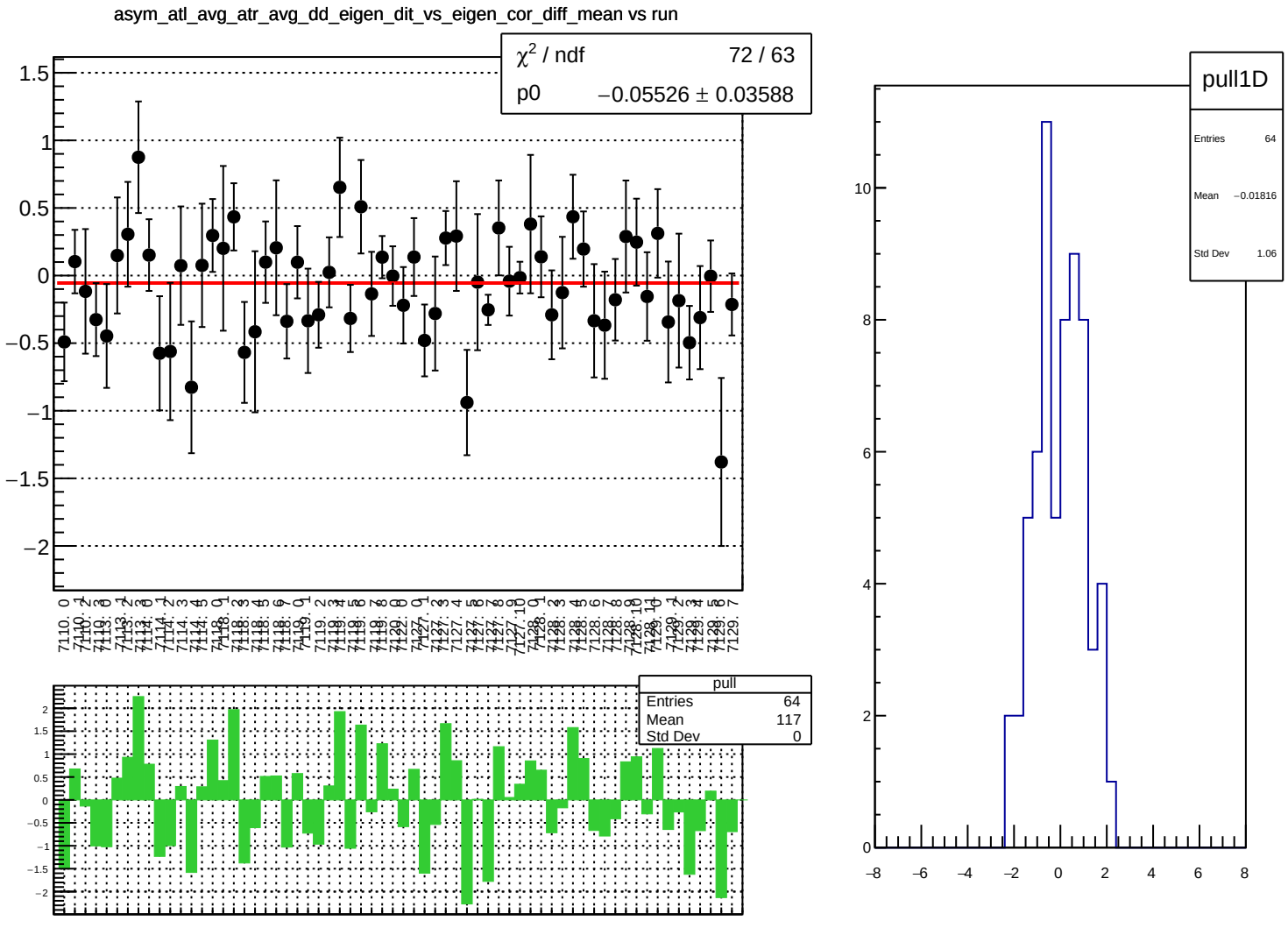

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.16 / 63
p0 −8.549e−06 ± 3.701e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 64
Mean −208.1
Std Dev 0
2
1
0
−1
−2

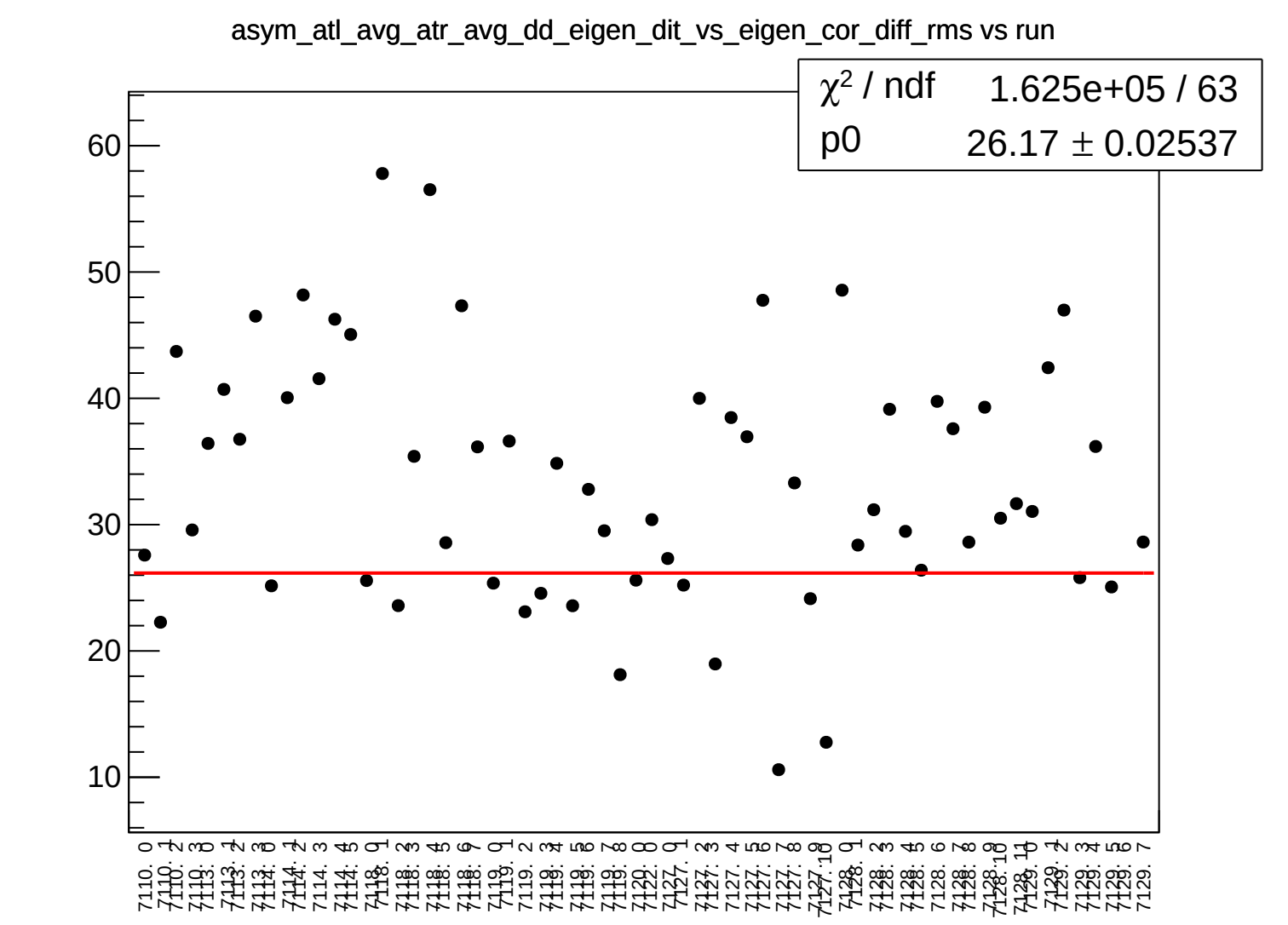

pull1D
Entries 64
Mean 0.02335
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

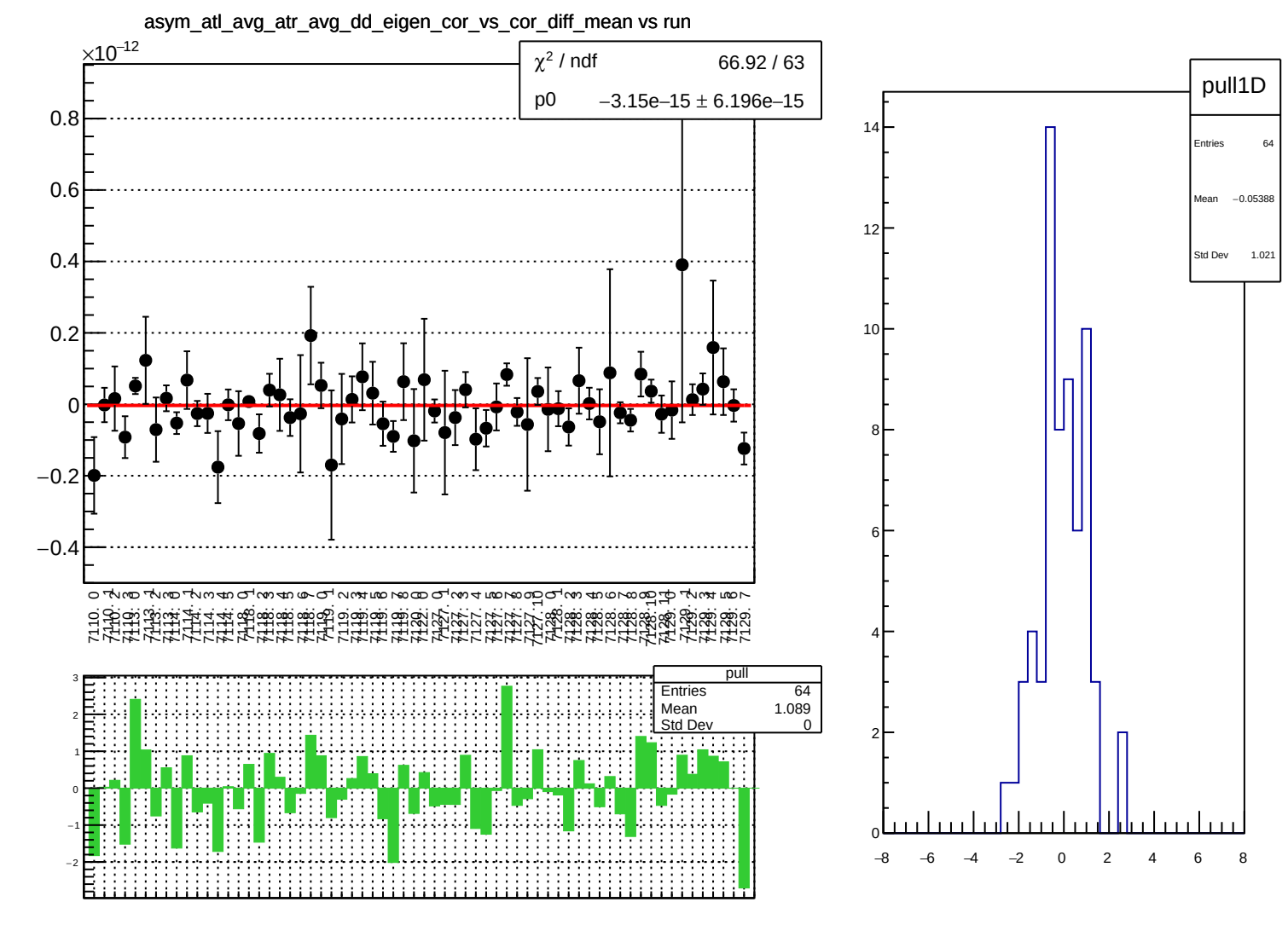

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3614 / 63
p0 0.002893 ± 2.617e−06
0.0034
0.0032
0.003
0.0028
0.0026

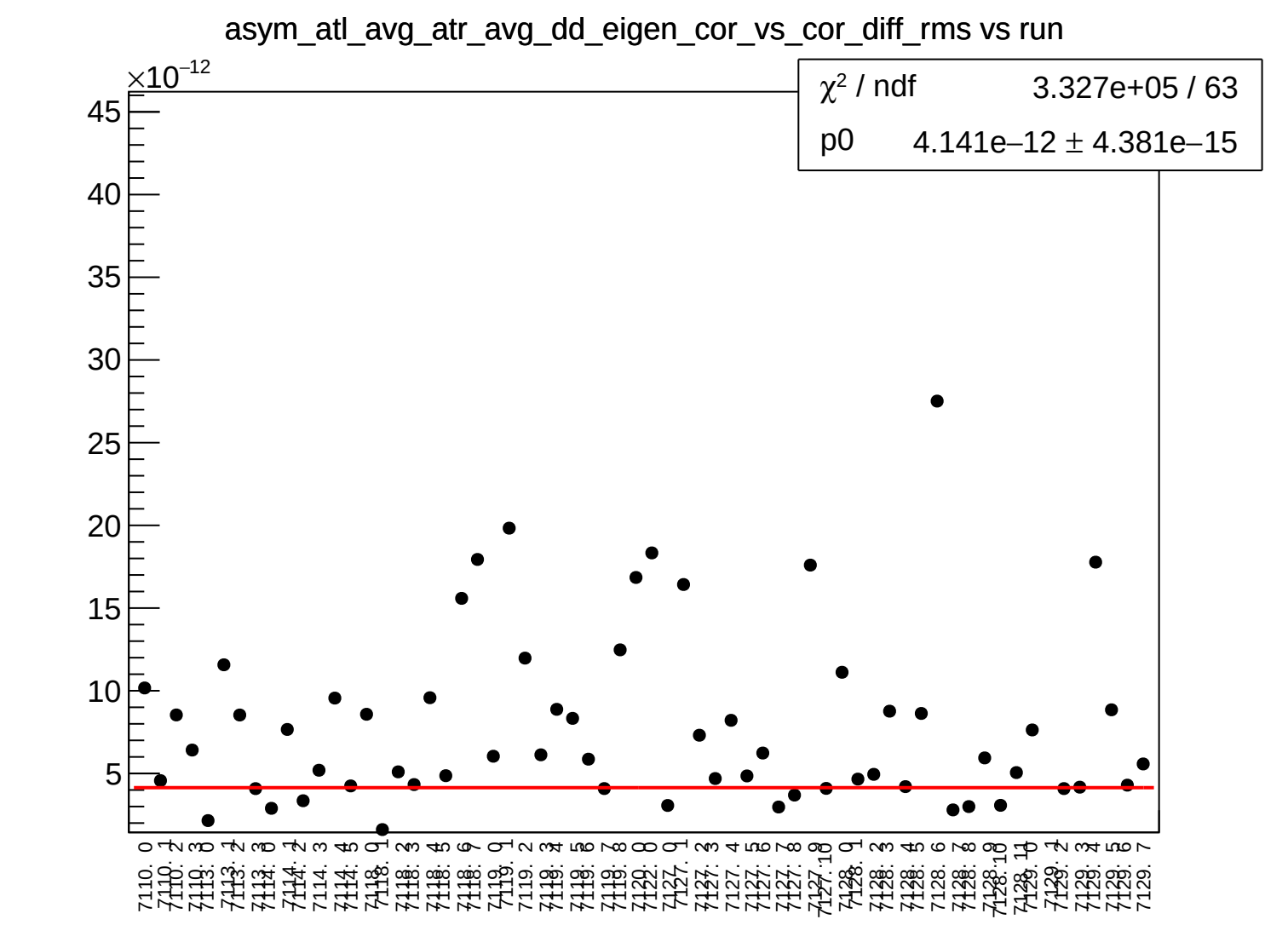

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01816
Std Dev 1.06

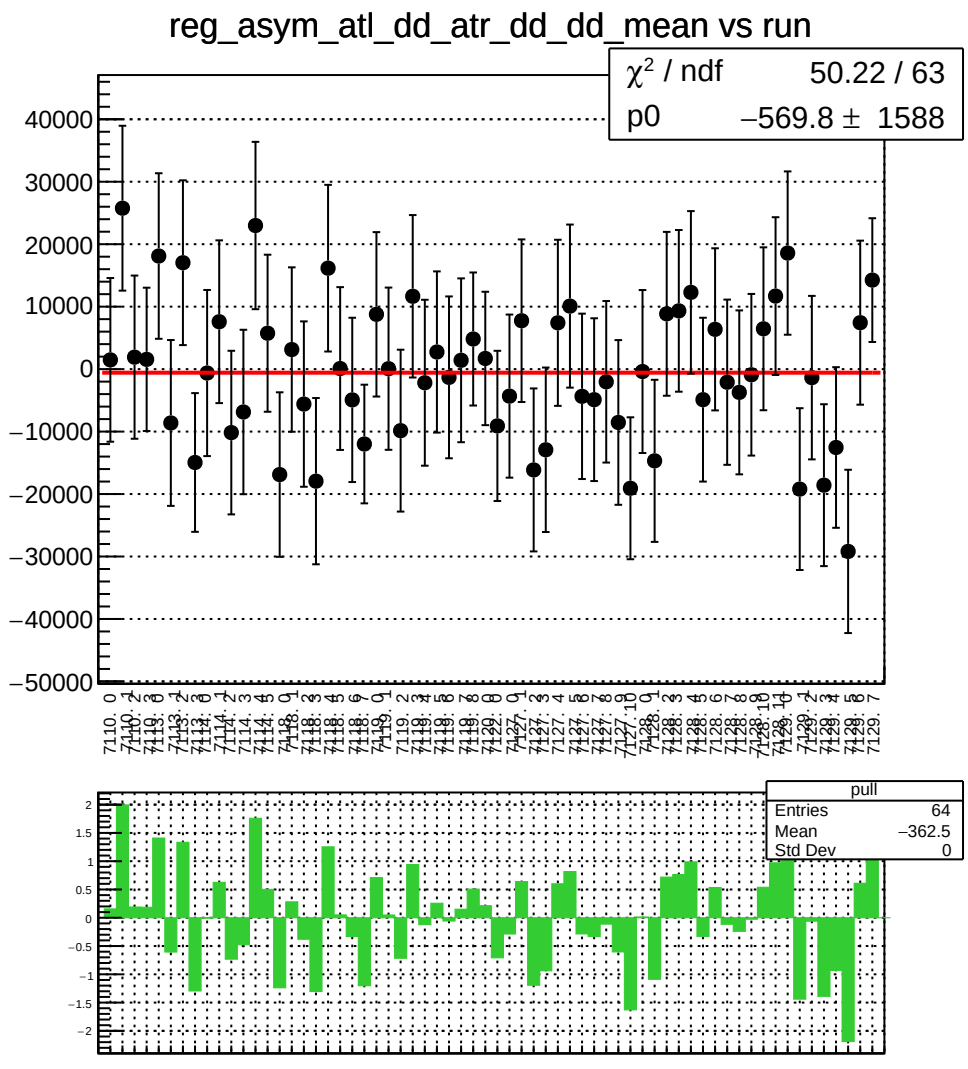

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

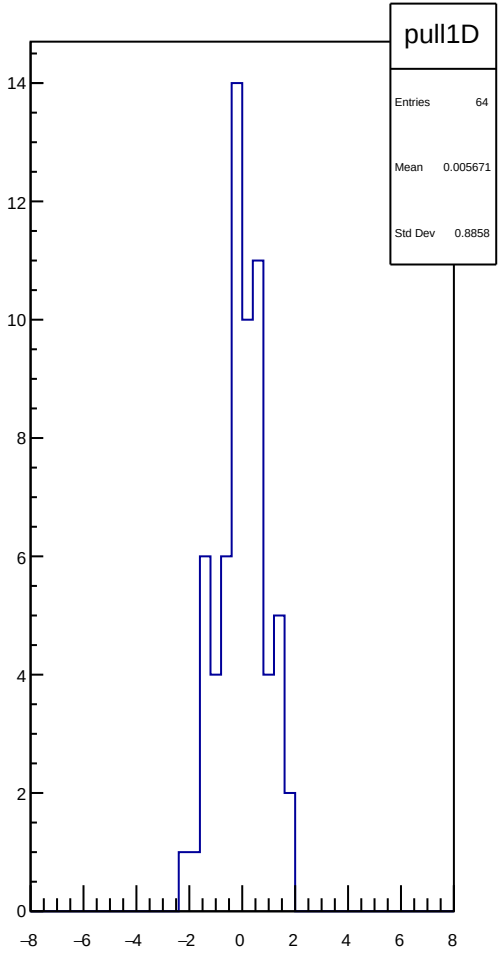

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01816
Std Dev 1.06

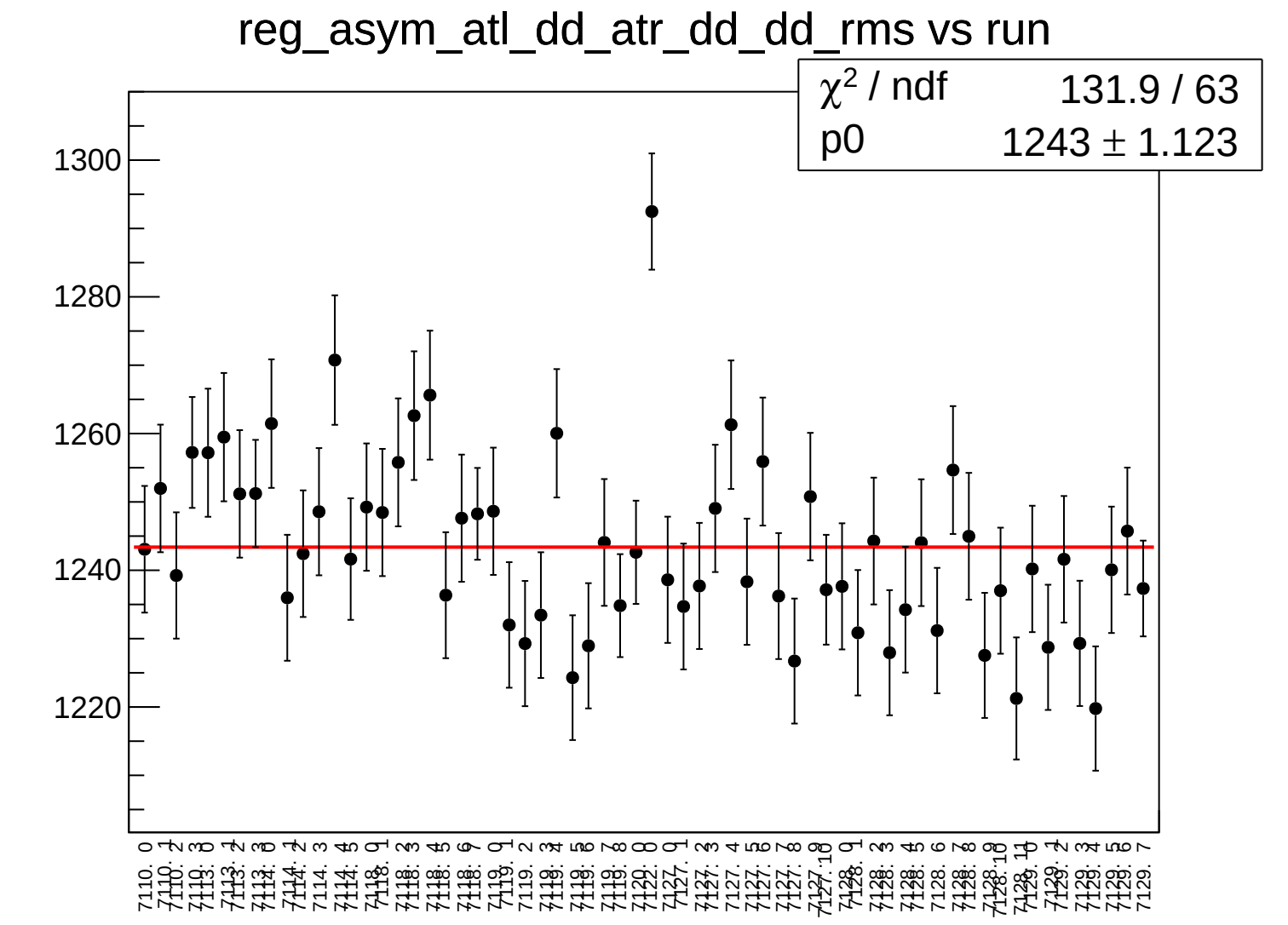

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

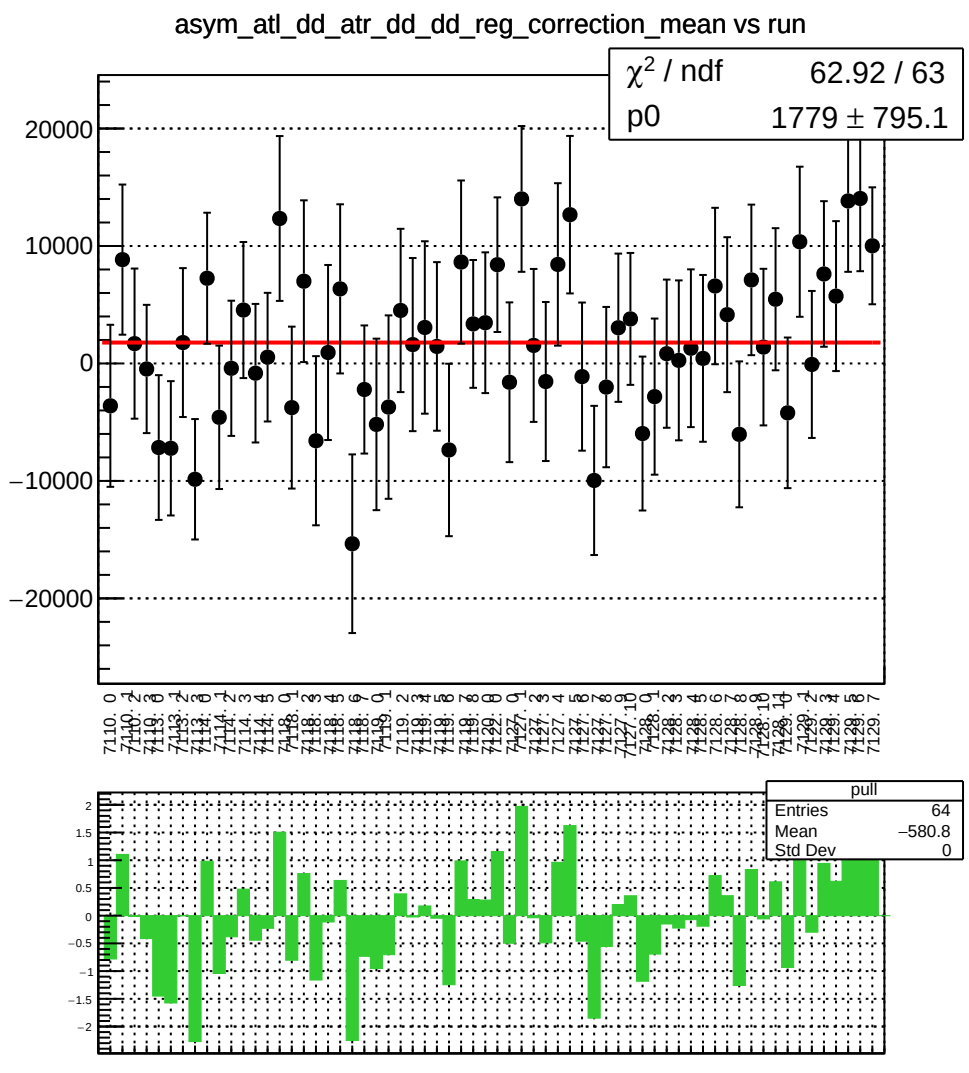

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.92 / 63
p0 −3.15e−15 ± 6.196e−15
pull
Entries 64
Mean 1.089
Std Dev 0
pull1D
Entries 64
Mean −0.05388
Std Dev 1.021

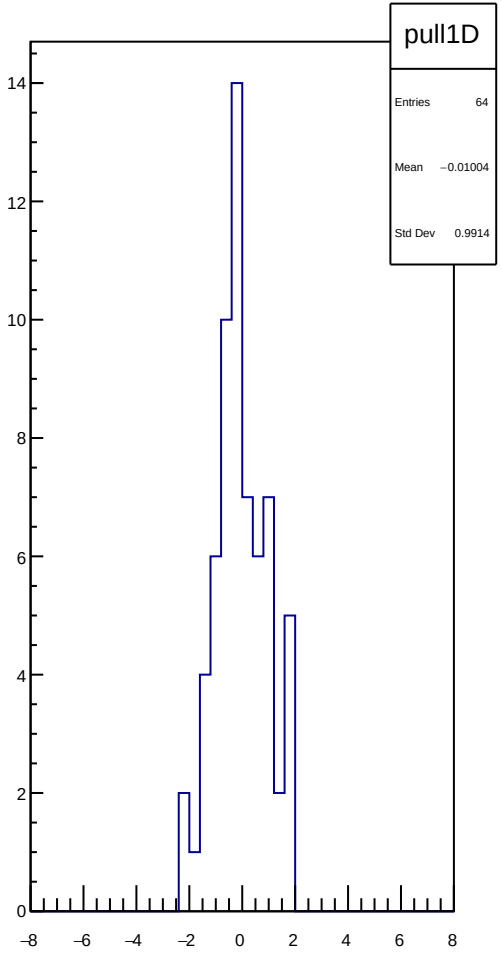

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.327e+05 / 63
p0 4.141e−12 ± 4.381e−15
45
40
35
30
25
20
15
10
5

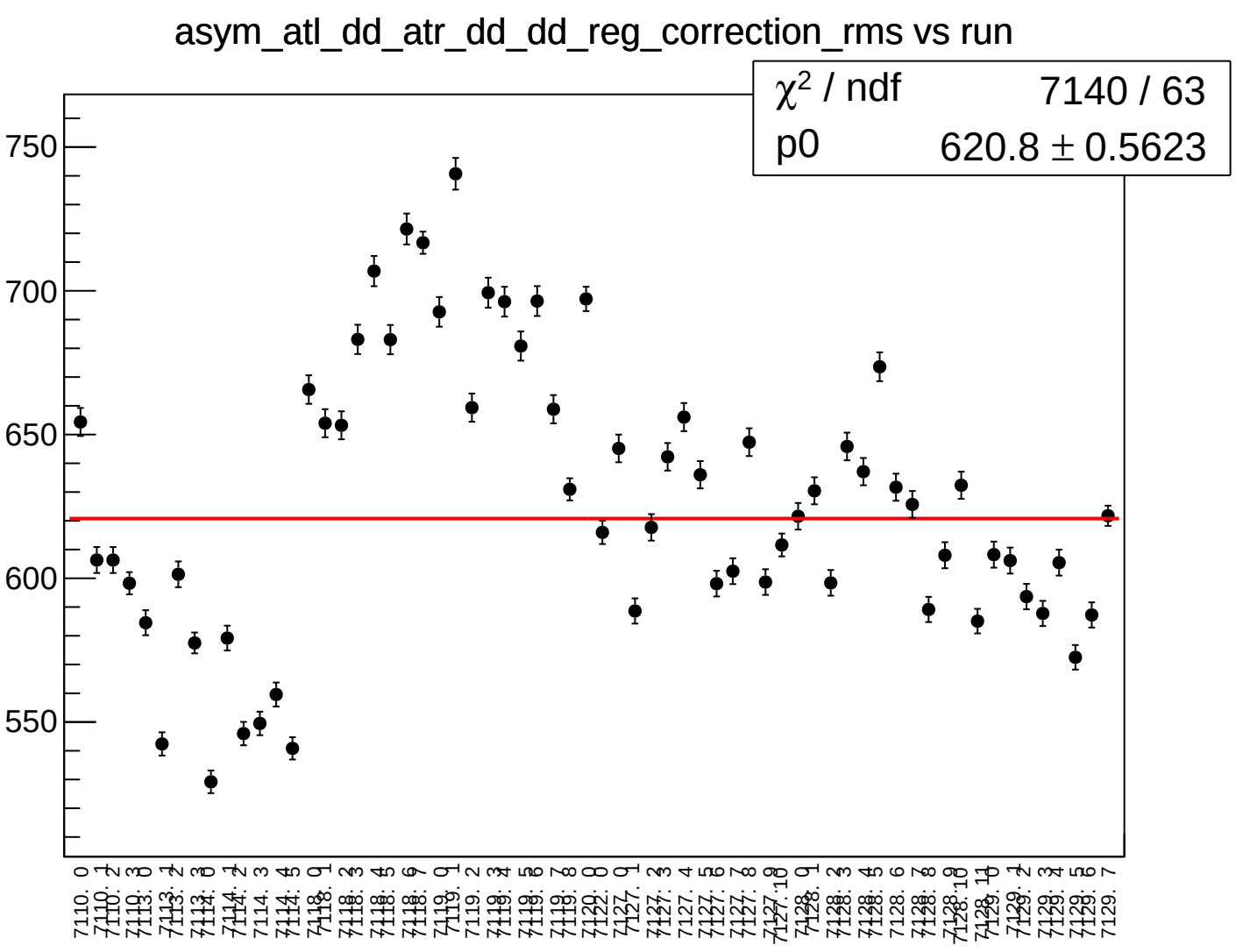

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 50.22 / 63
p0 −569.8 ± 1588
pull
Entries 64
Mean −362.5
Std Dev 0

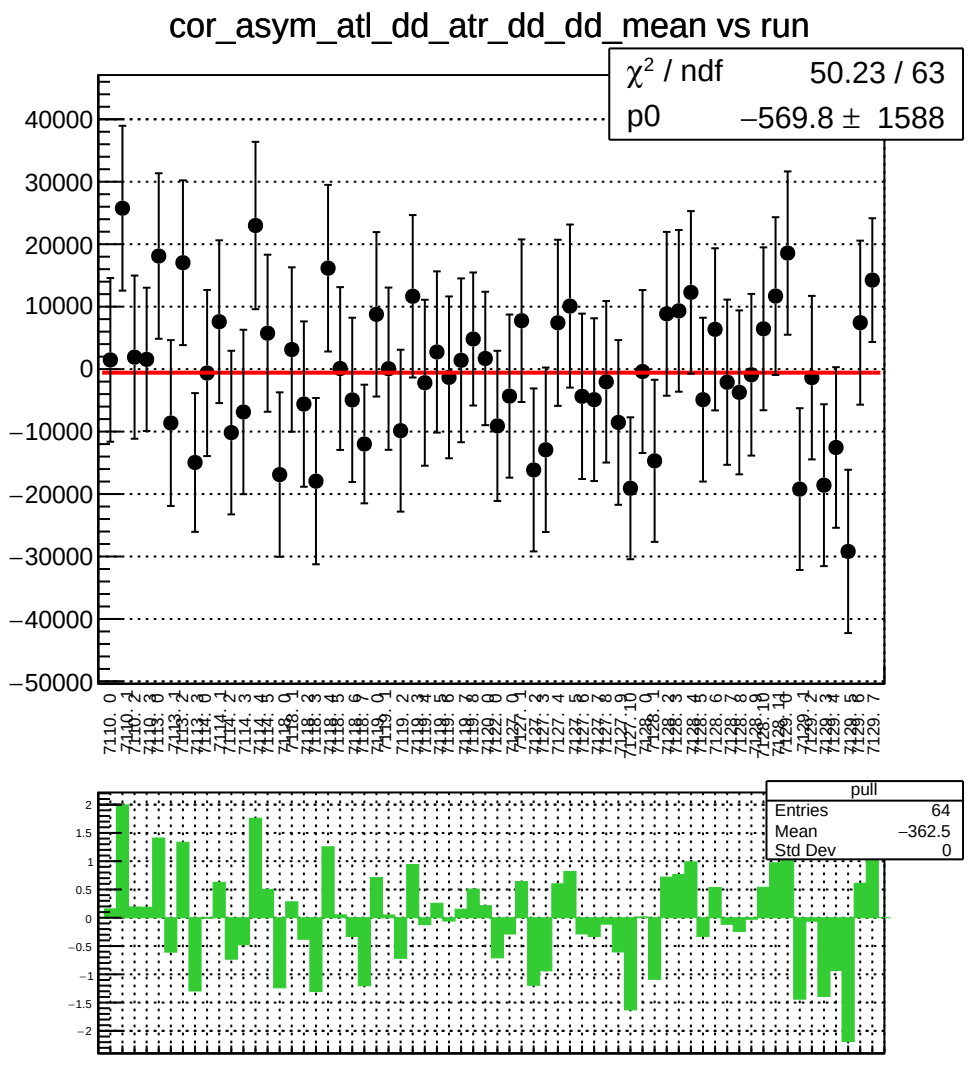

pull1D
Entries 64
Mean 0.005671
Std Dev 0.8858

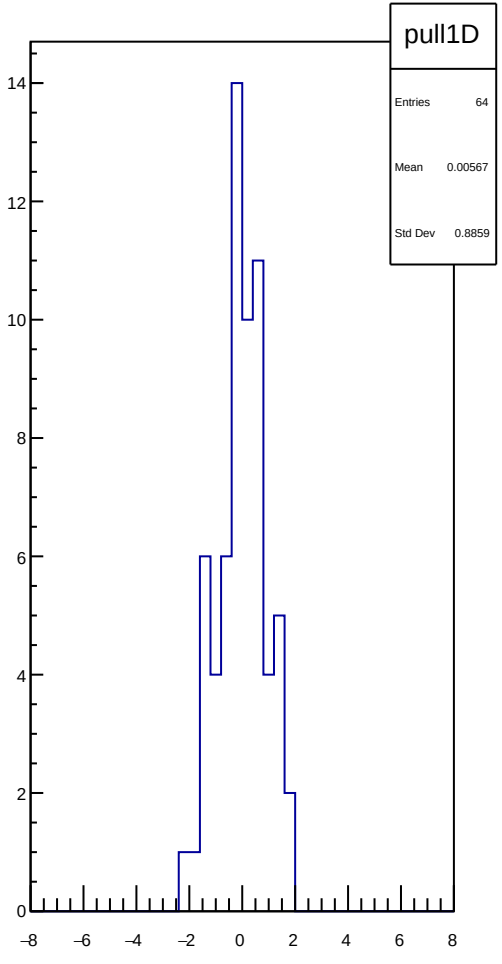

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 131.9 / 63
p0 1243 ± 1.123
1300
1280
1260
1240
1220

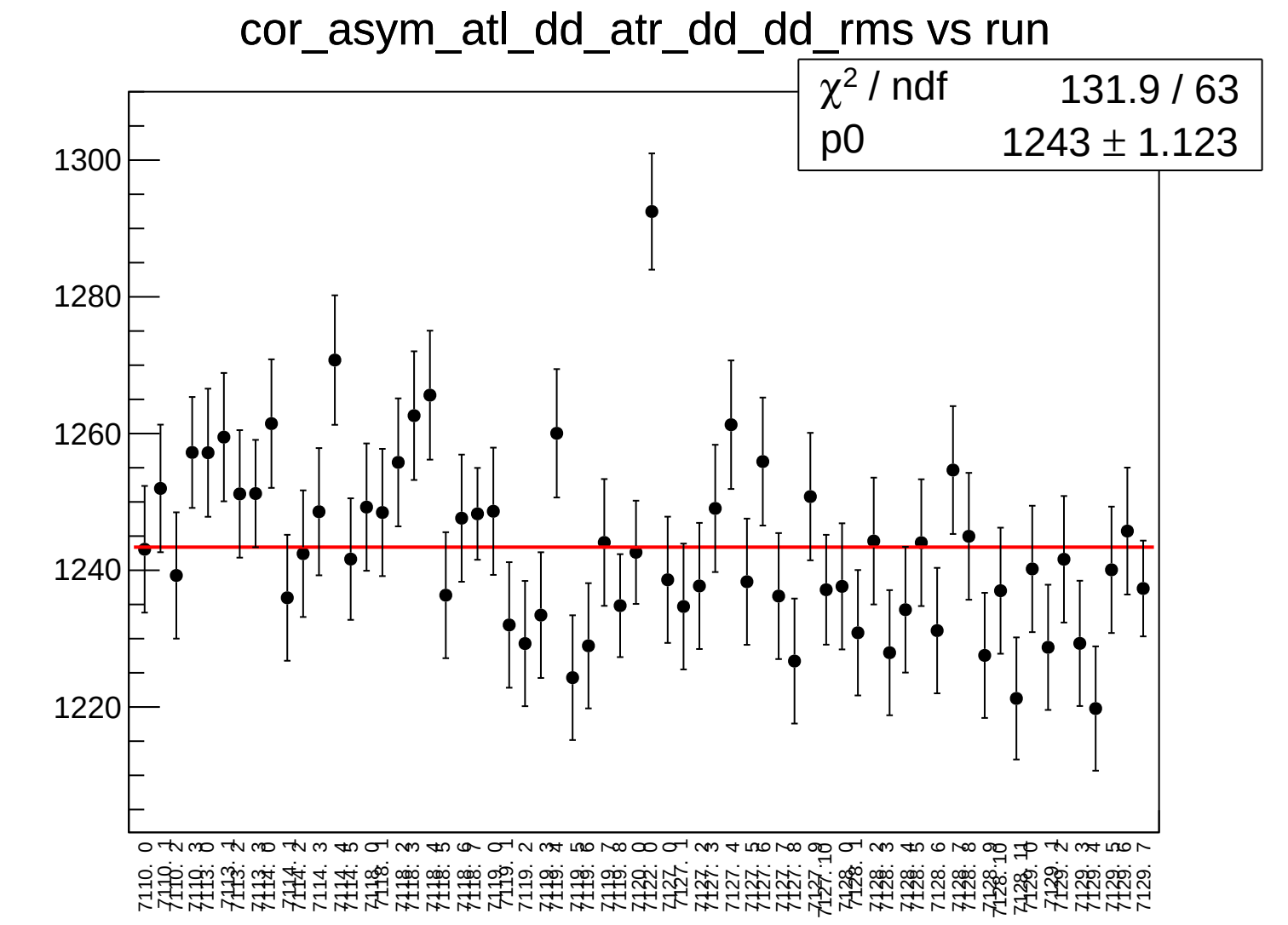

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 62.92 / 63
p0 1779 ± 795.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −580.8
Std Dev 0

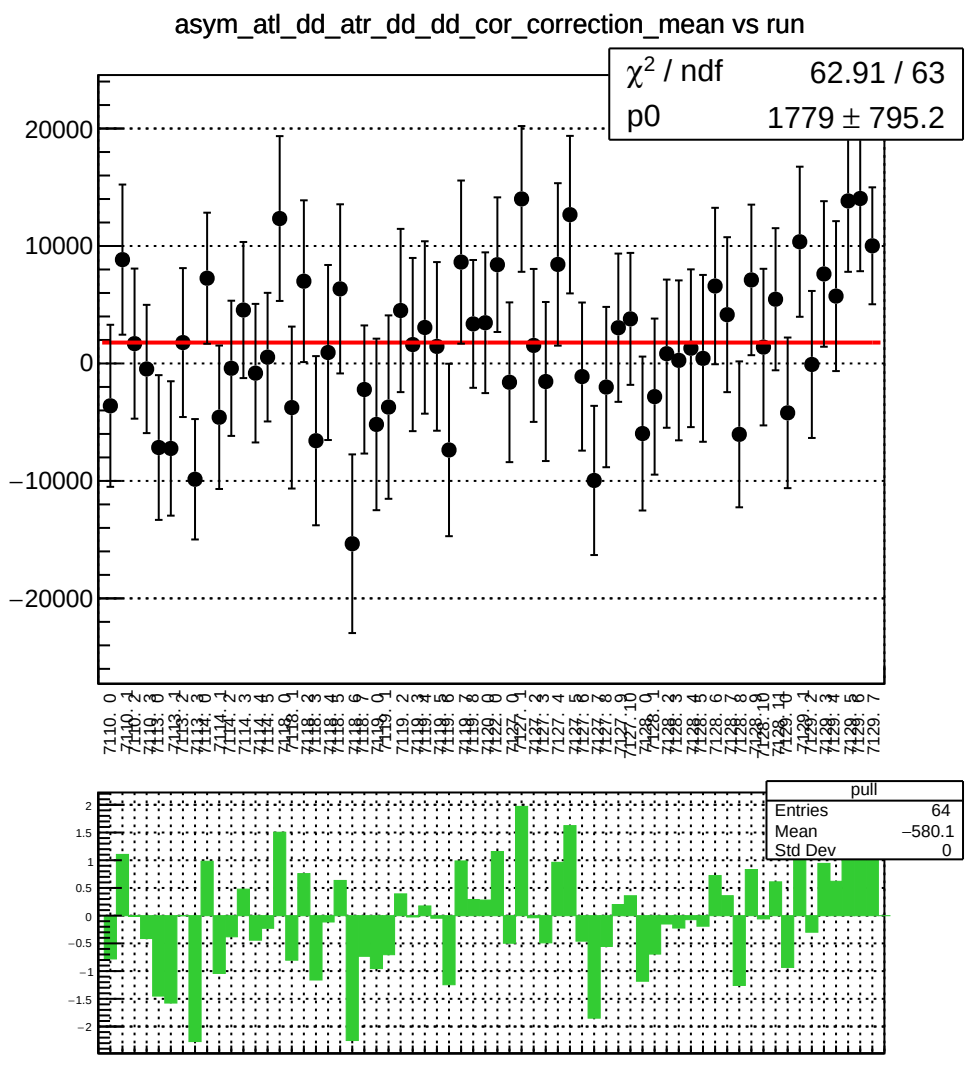

pull1D
Entries 64
Mean −0.01004
Std Dev 0.9914

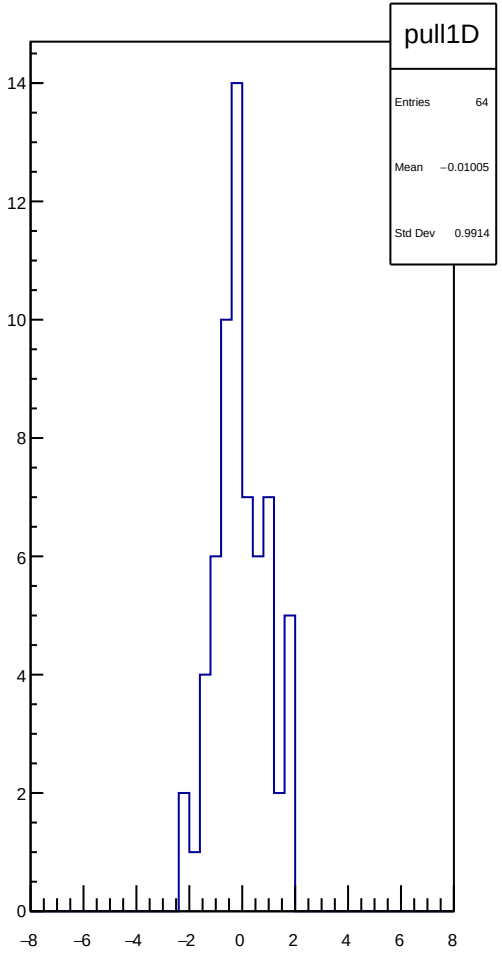

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 7140 / 63
p0 620.8 ± 0.5623
750
700
650
600
550

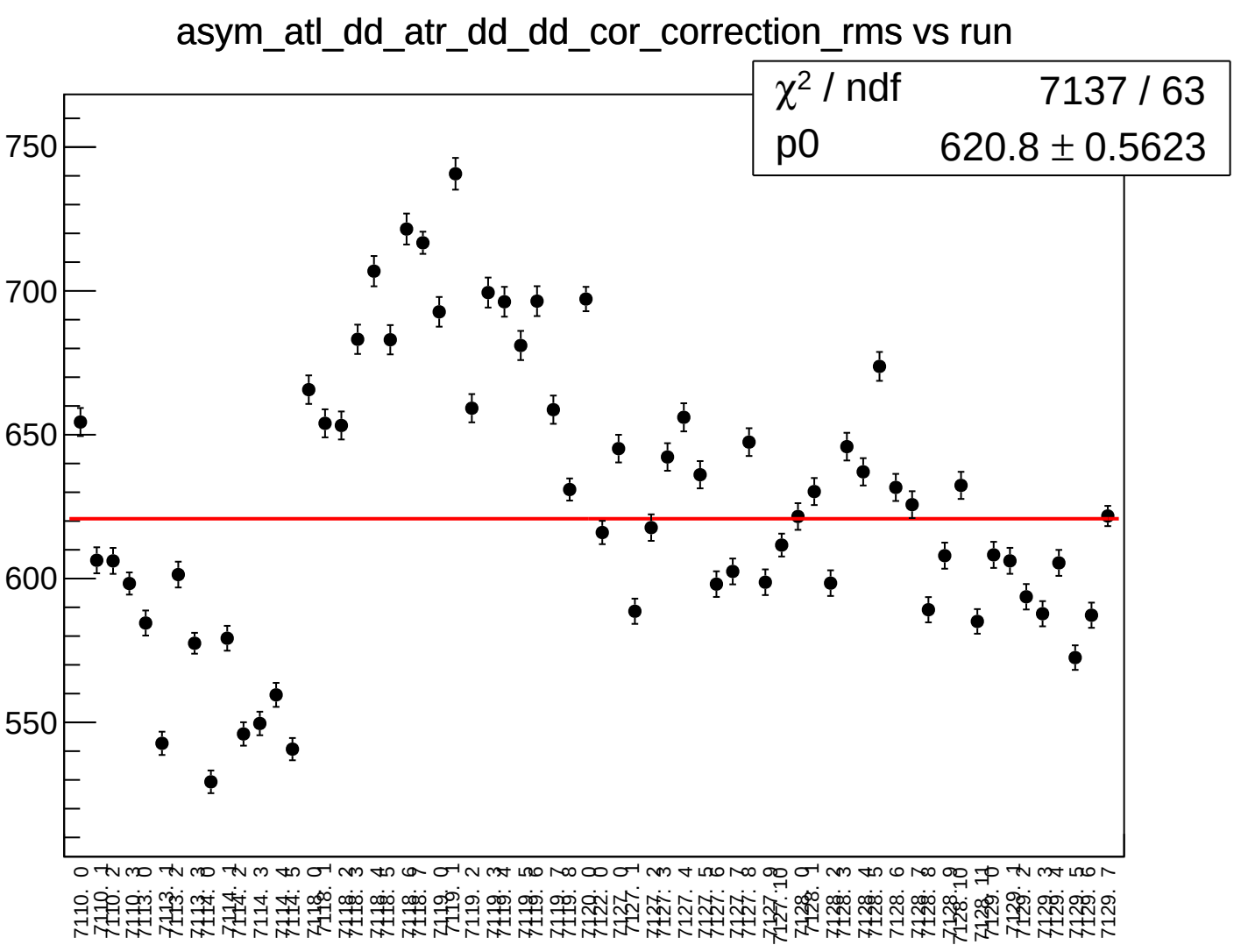

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 50.23 / 63
p0 −569.8 ± 1588
pull
Entries 64
Mean −362.5
Std Dev 0

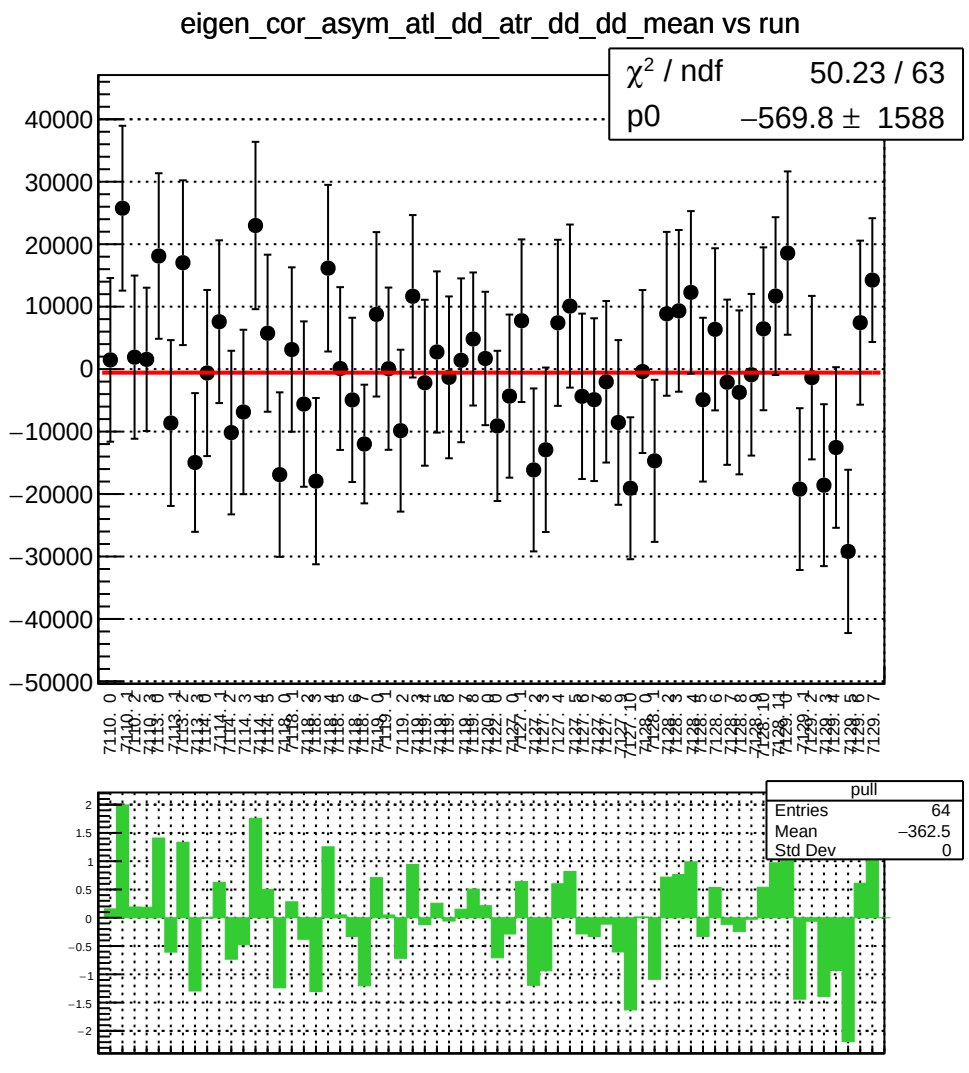

pull1D
Entries 64
Mean 0.00567
Std Dev 0.8859

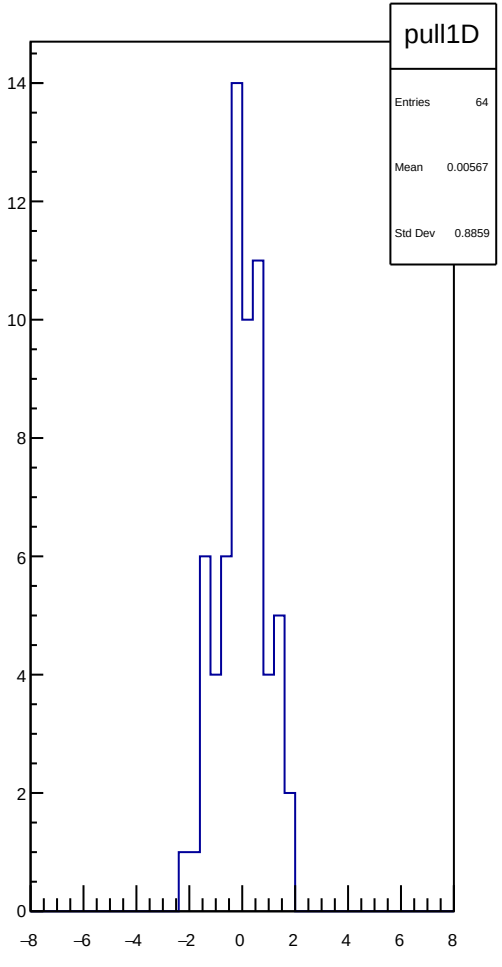

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 131.9 / 63
p0 1243 ± 1.123
1300
1280
1260
1240
1220

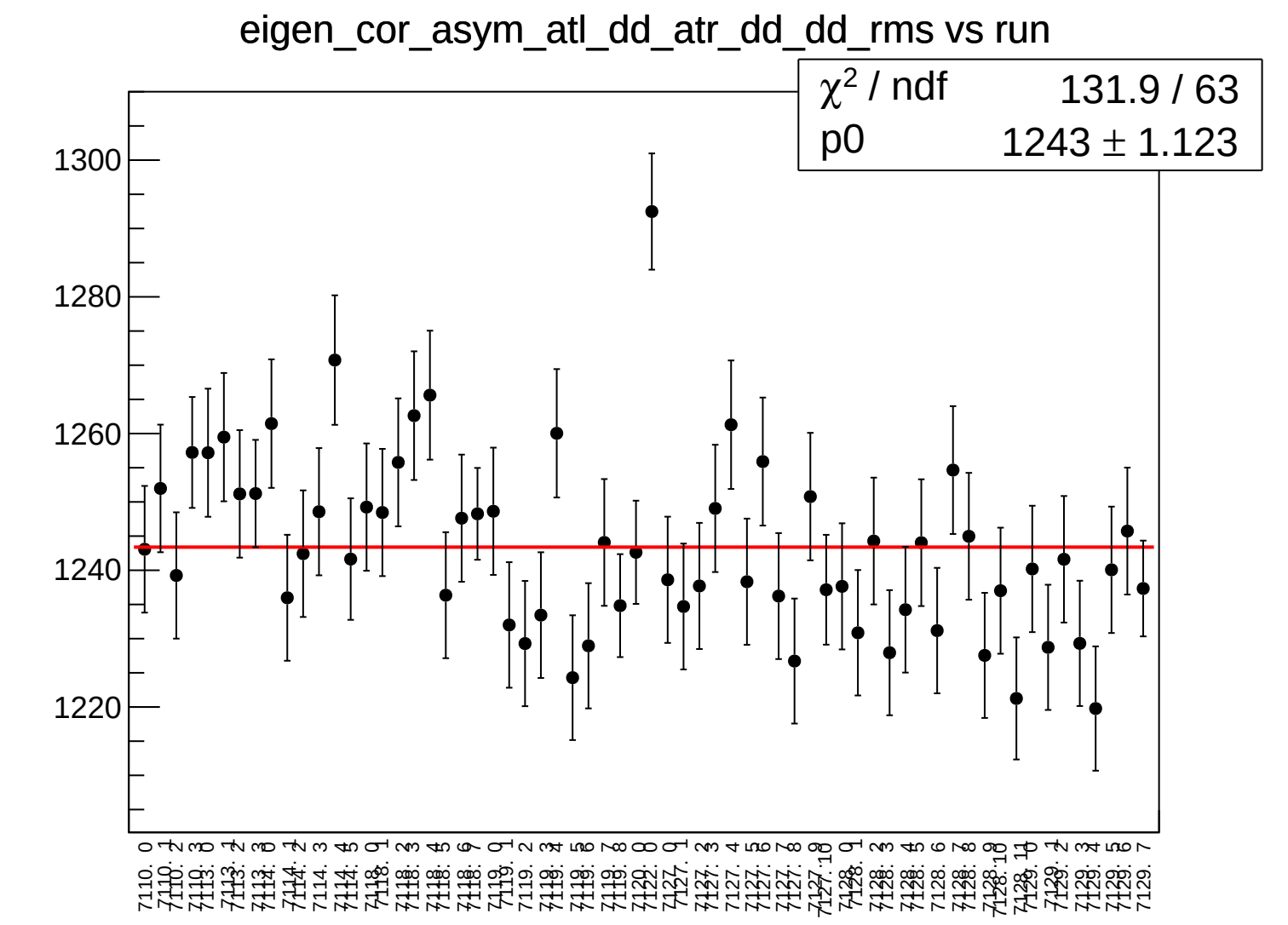

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 62.91 / 63
p0 1779 ± 795.2
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −580.1
Std Dev 0

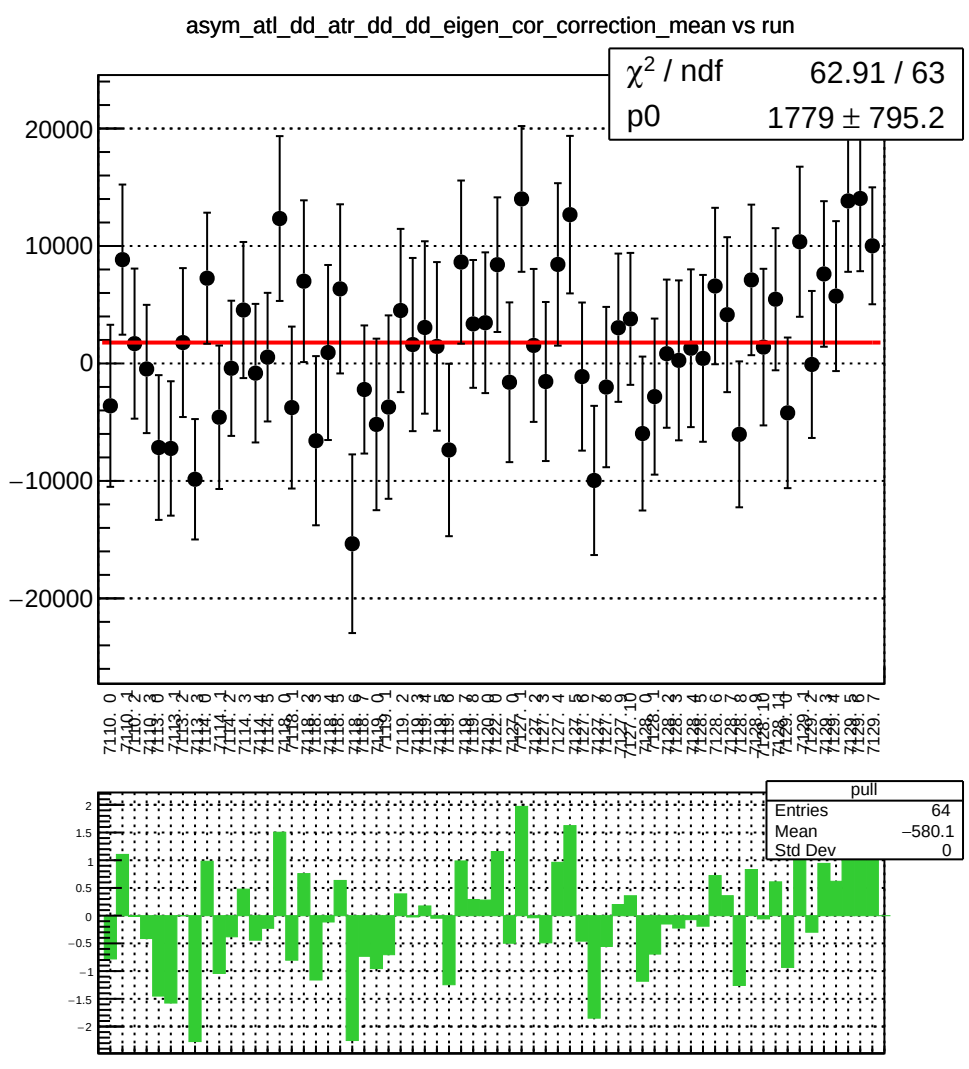

pull1D
Entries 64
Mean −0.01005
Std Dev 0.9914

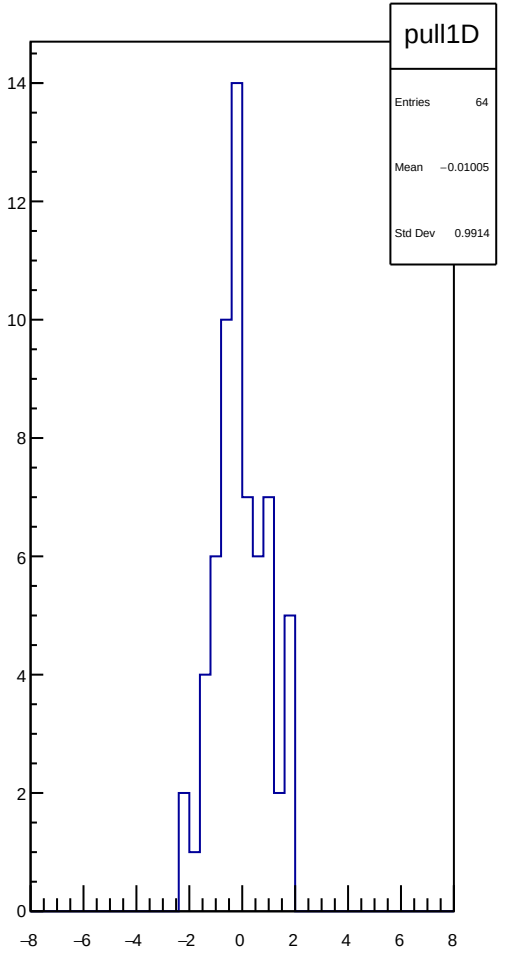

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 7137 / 63
p0 620.8 ± 0.5623
750
700
650
600
550

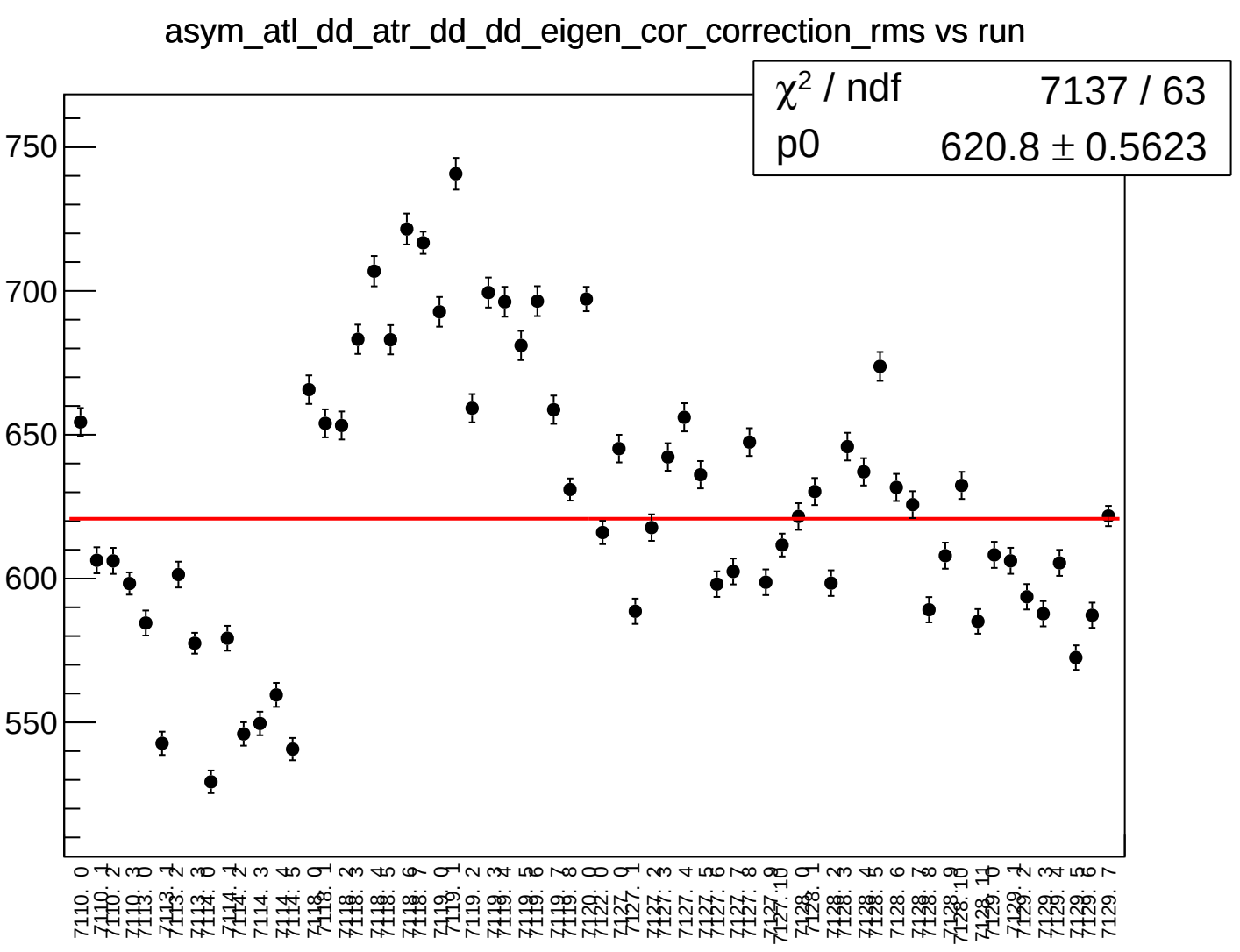

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 50.23 / 63
p0 −569.8 ± 1588
pull
Entries 64
Mean −362.5
Std Dev 0

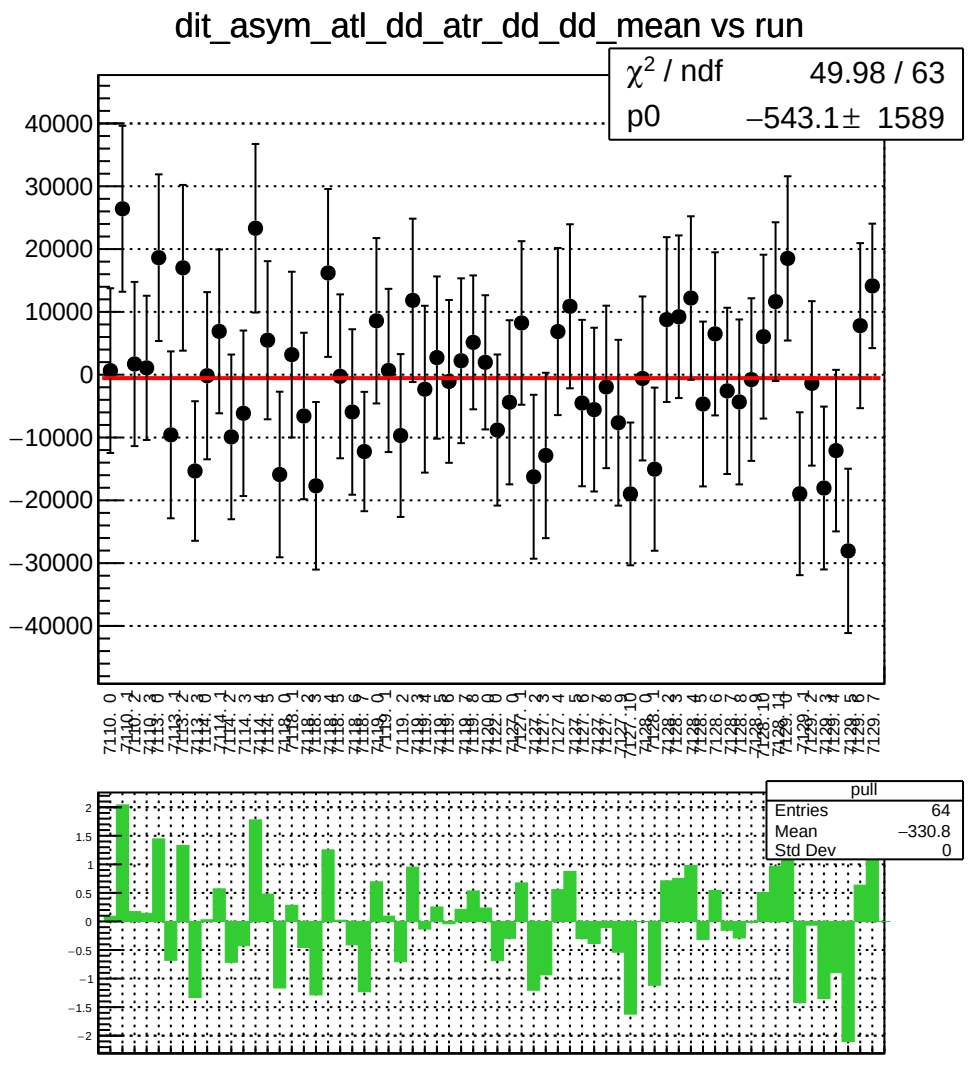

pull1D
Entries 64
Mean 0.00567
Std Dev 0.8859

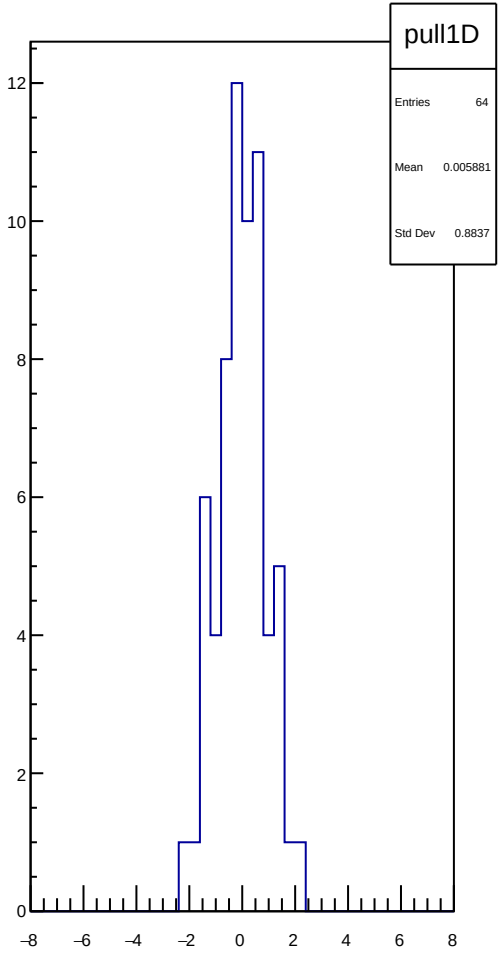

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 131.9 / 63
p0 1243 ± 1.123
1300
1280
1260
1240
1220

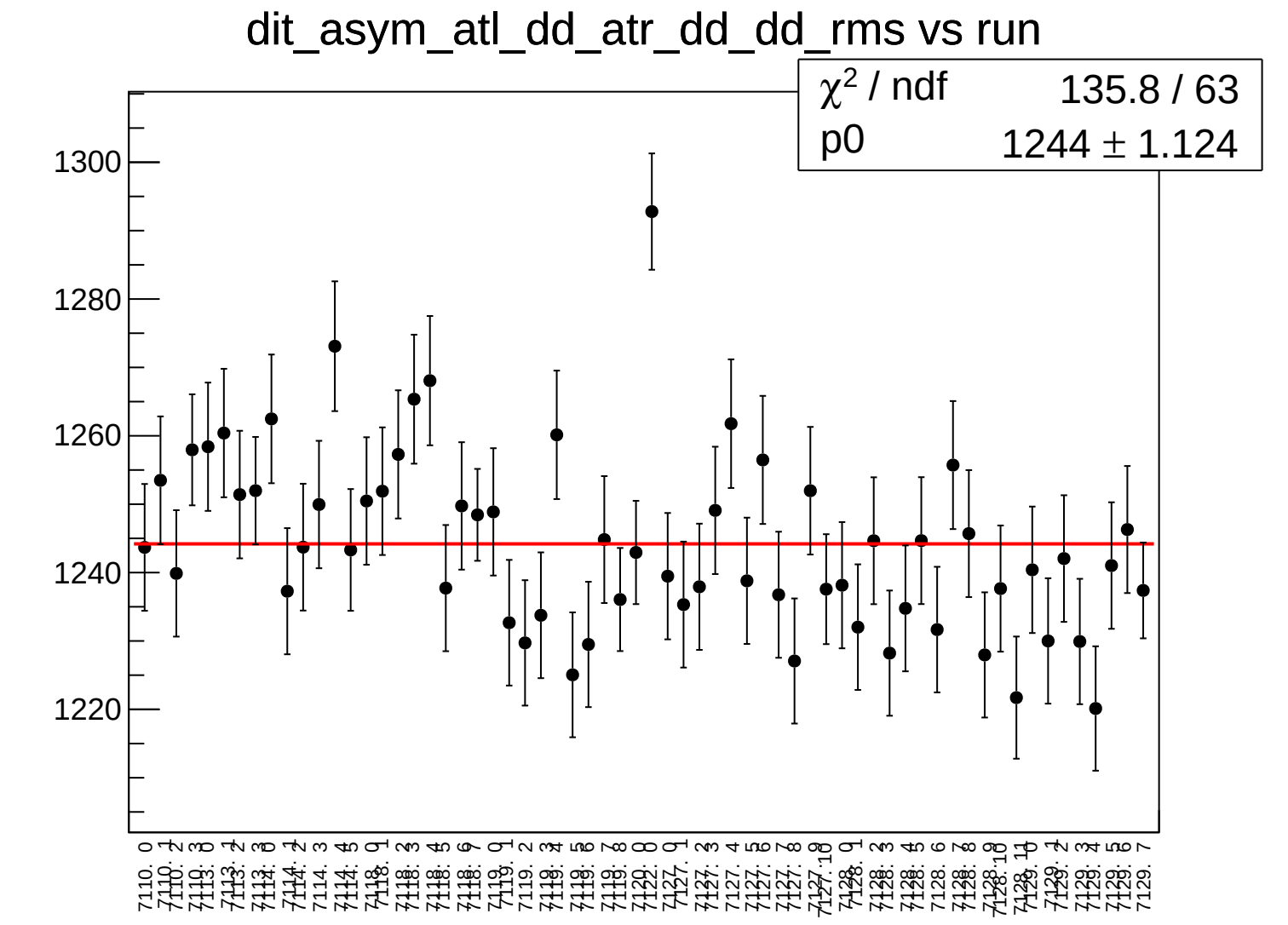

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.91 / 63
p0 1779 ± 795.2
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −580.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

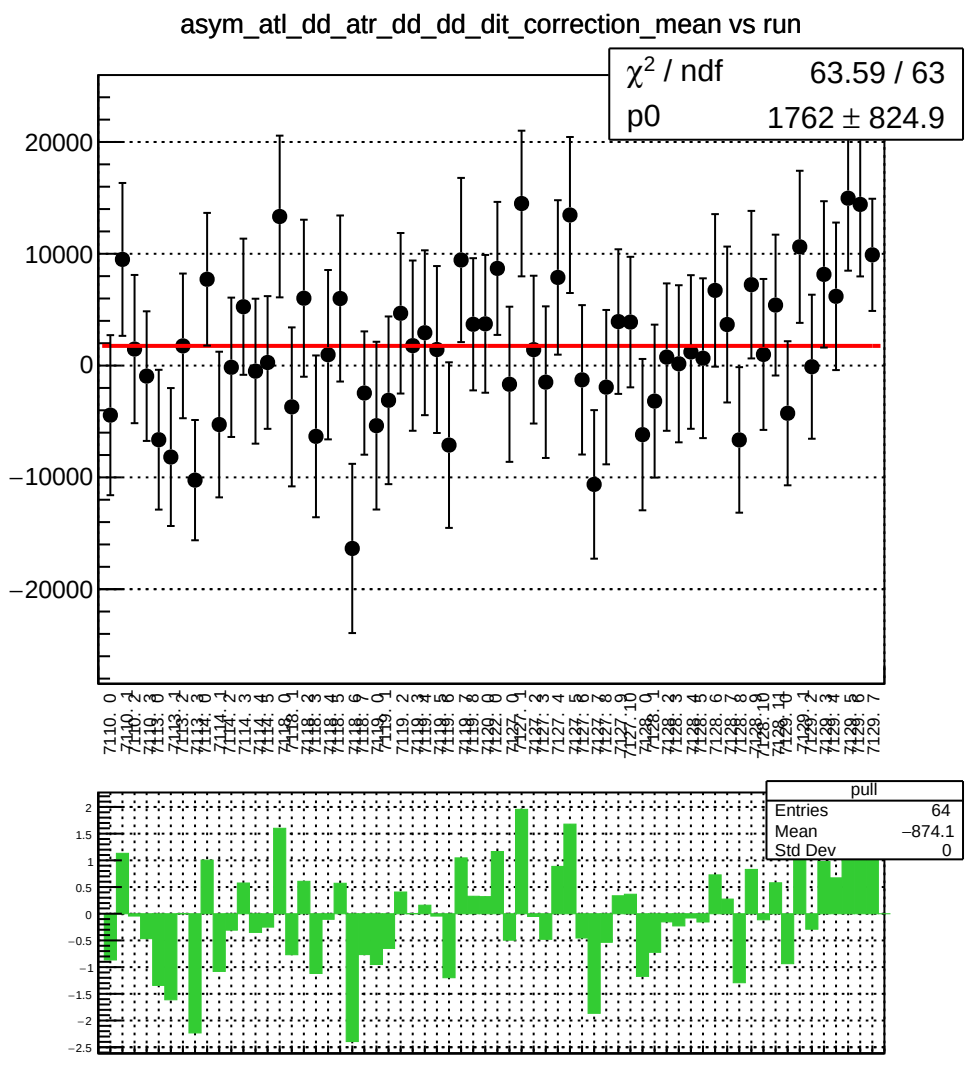

pull1D
Entries 64
Mean −0.01005
Std Dev 0.9914
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

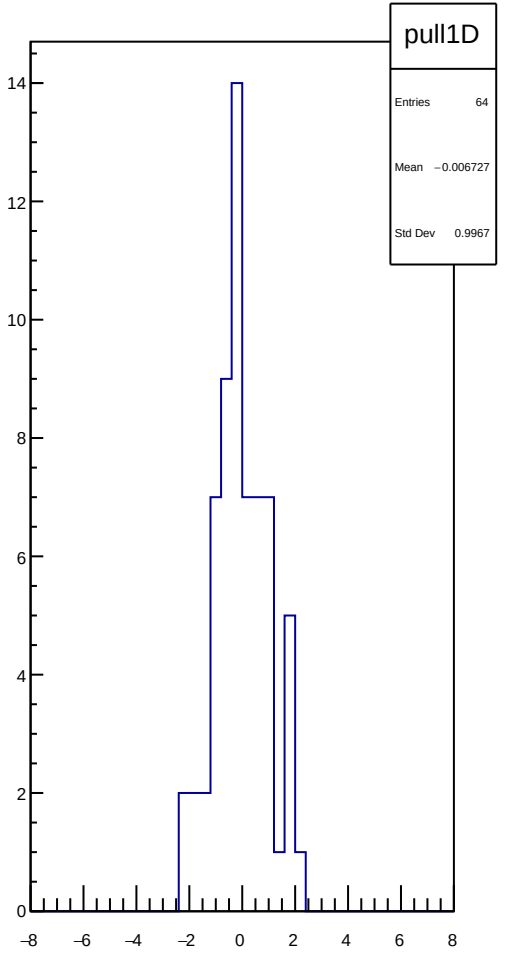

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7137 / 63
p0 620.8 ± 0.5623
750
700
650
600
550

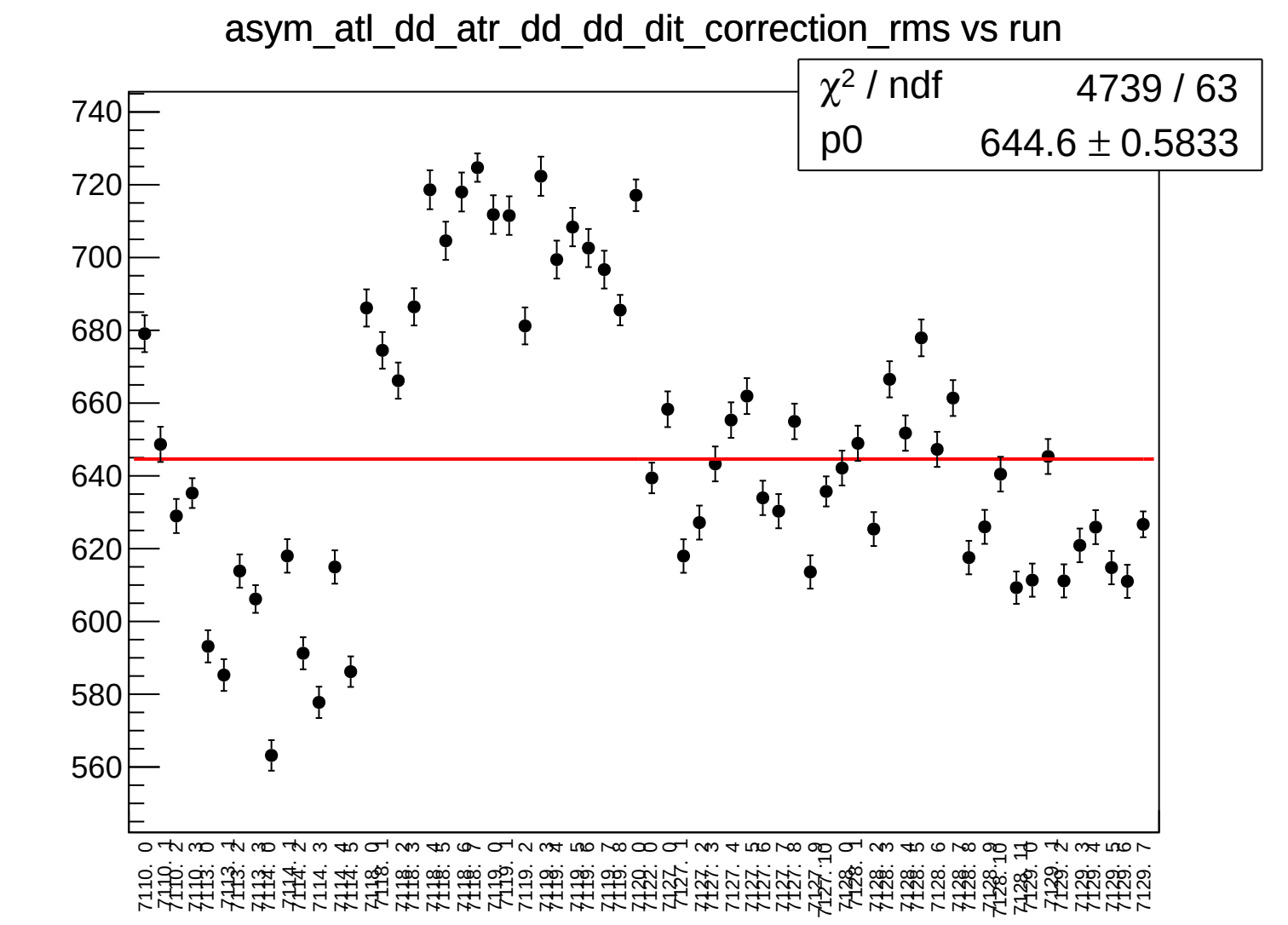

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.98 / 63
p0 −543.1± 1589
pull
Entries 64
Mean −330.8
Std Dev 0

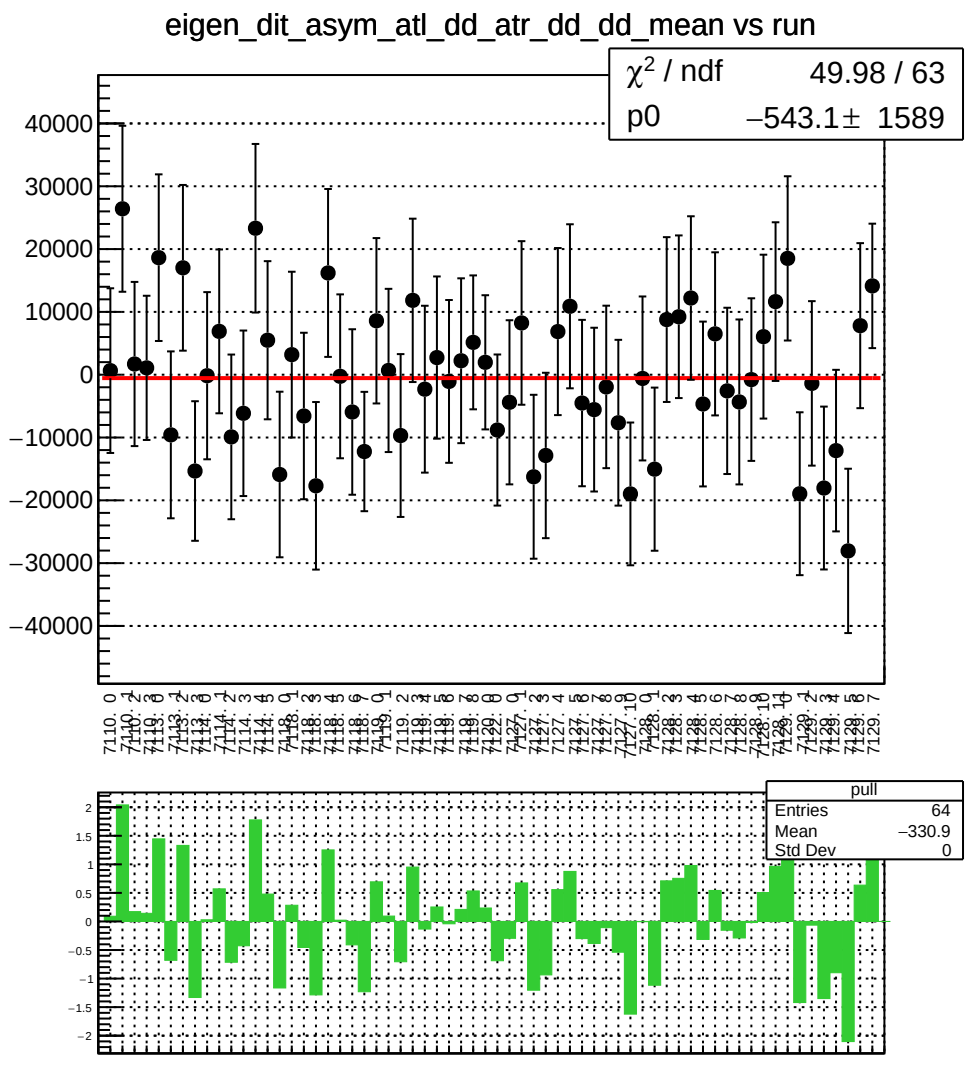

pull1D
Entries 64
Mean 0.005881
Std Dev 0.8837

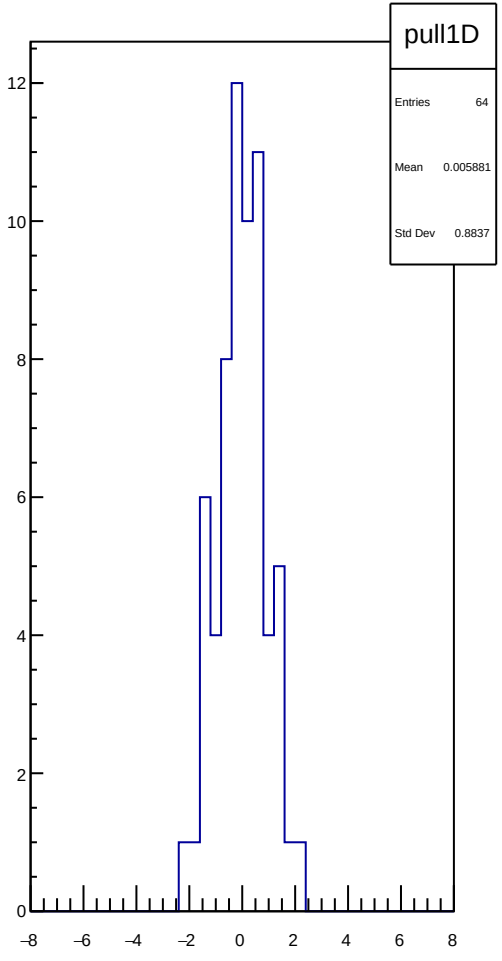

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 135.8 / 63
p0 1244 ± 1.124
1300
1280
1260
1240
1220

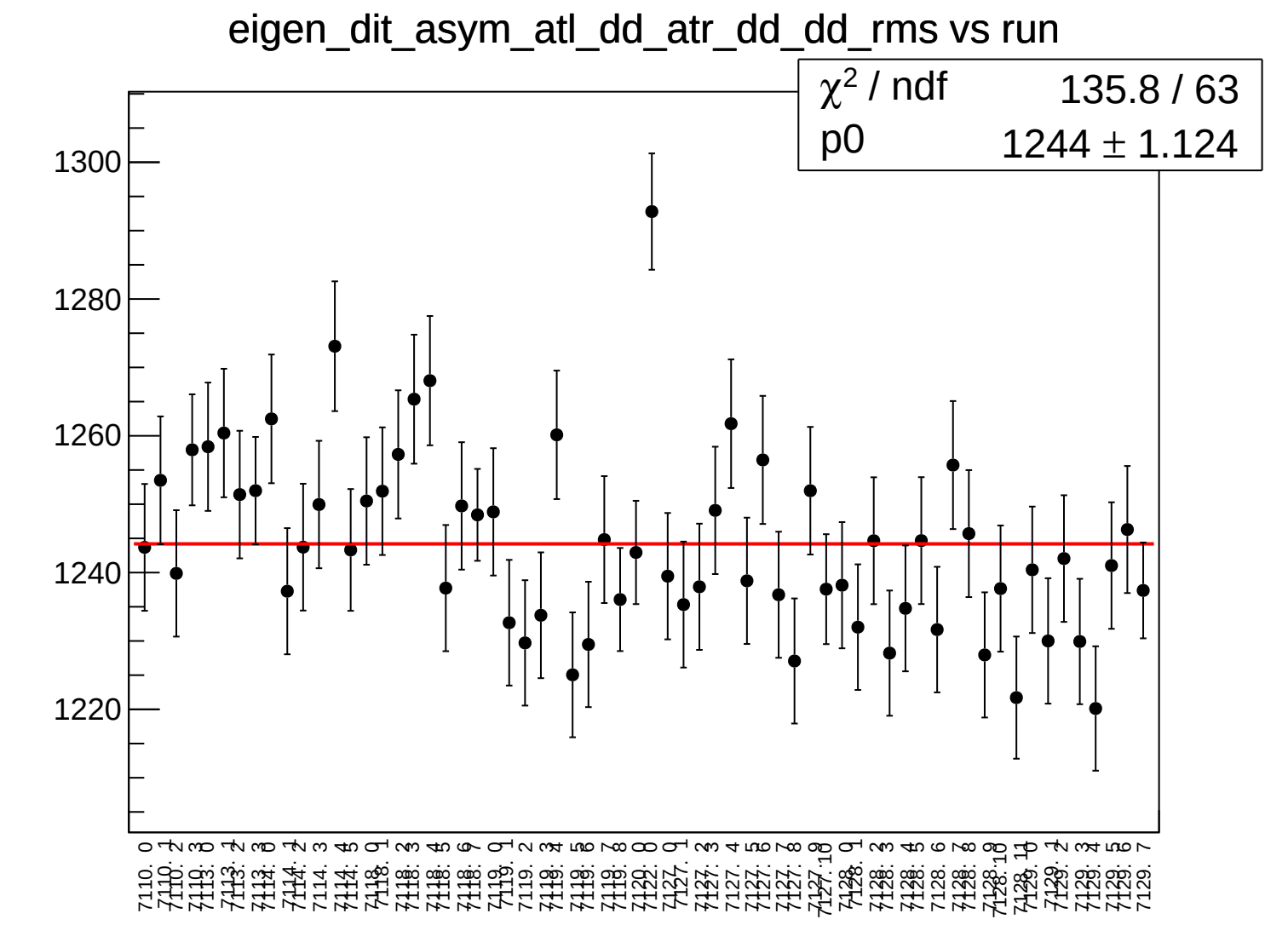

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 63.59 / 63
p0 1762 ± 824.9
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −874.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

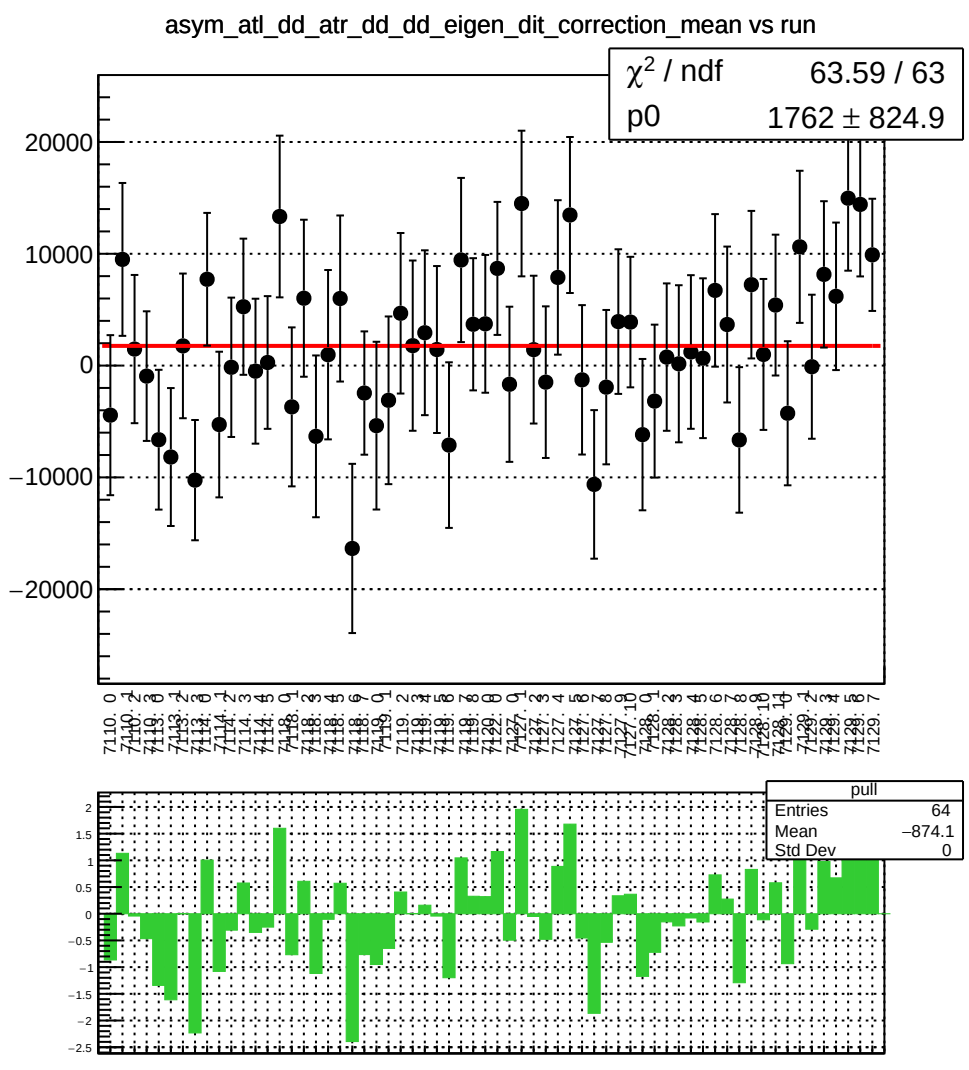

pull1D
Entries 64
Mean −0.006727
Std Dev 0.9967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

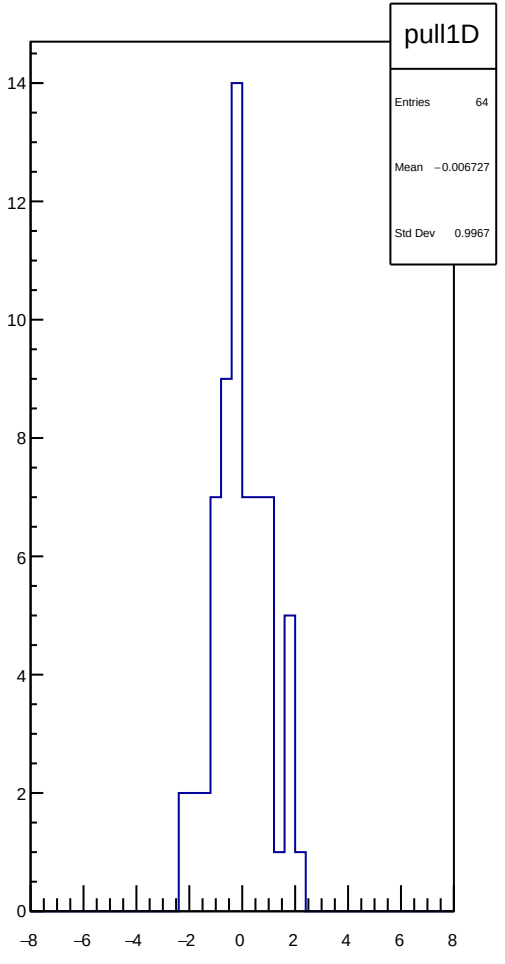

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 4739 / 63
p0 644.6 ± 0.5833
740
720
700
680
660
640
620
600
580
560
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

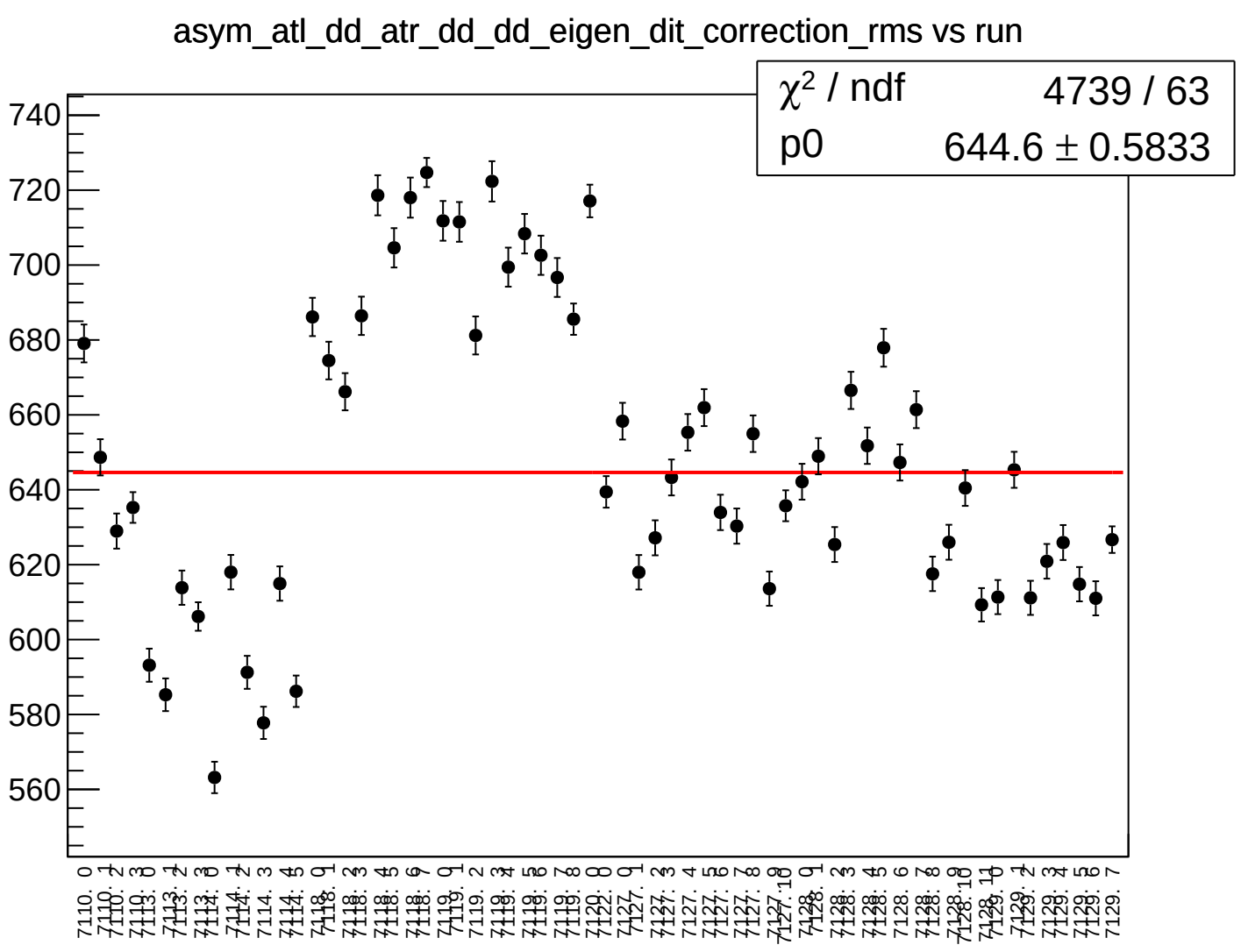

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.98 / 63
p0 −543.1± 1589
pull
Entries 64
Mean −330.9
Std Dev 0

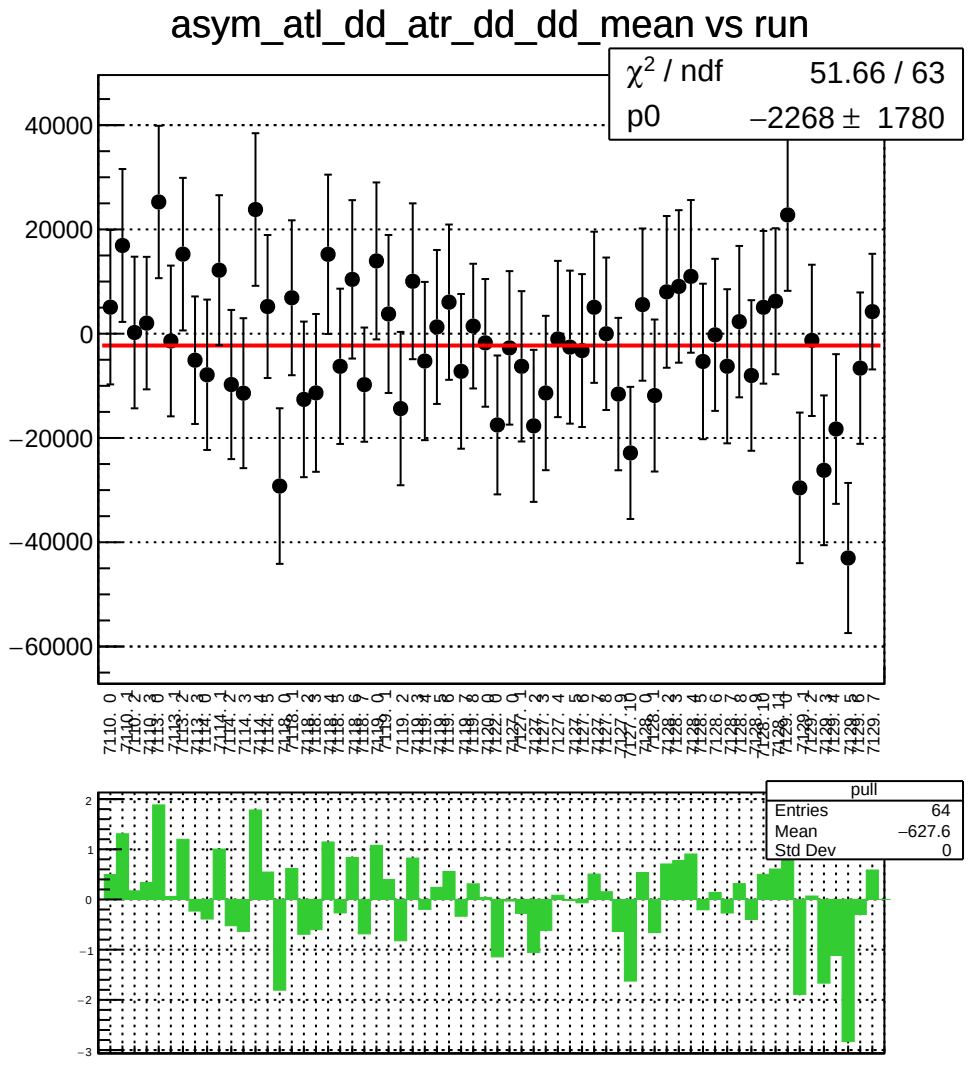

pull1D
Entries 64
Mean 0.005881
Std Dev 0.8837

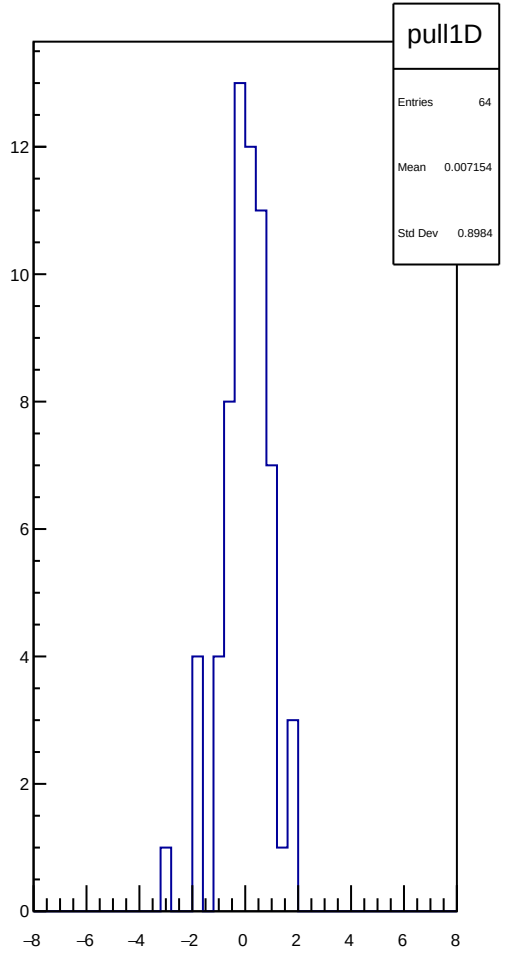

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 135.8 / 63
p0 1244 ± 1.124
1300
1280
1260
1240
1220

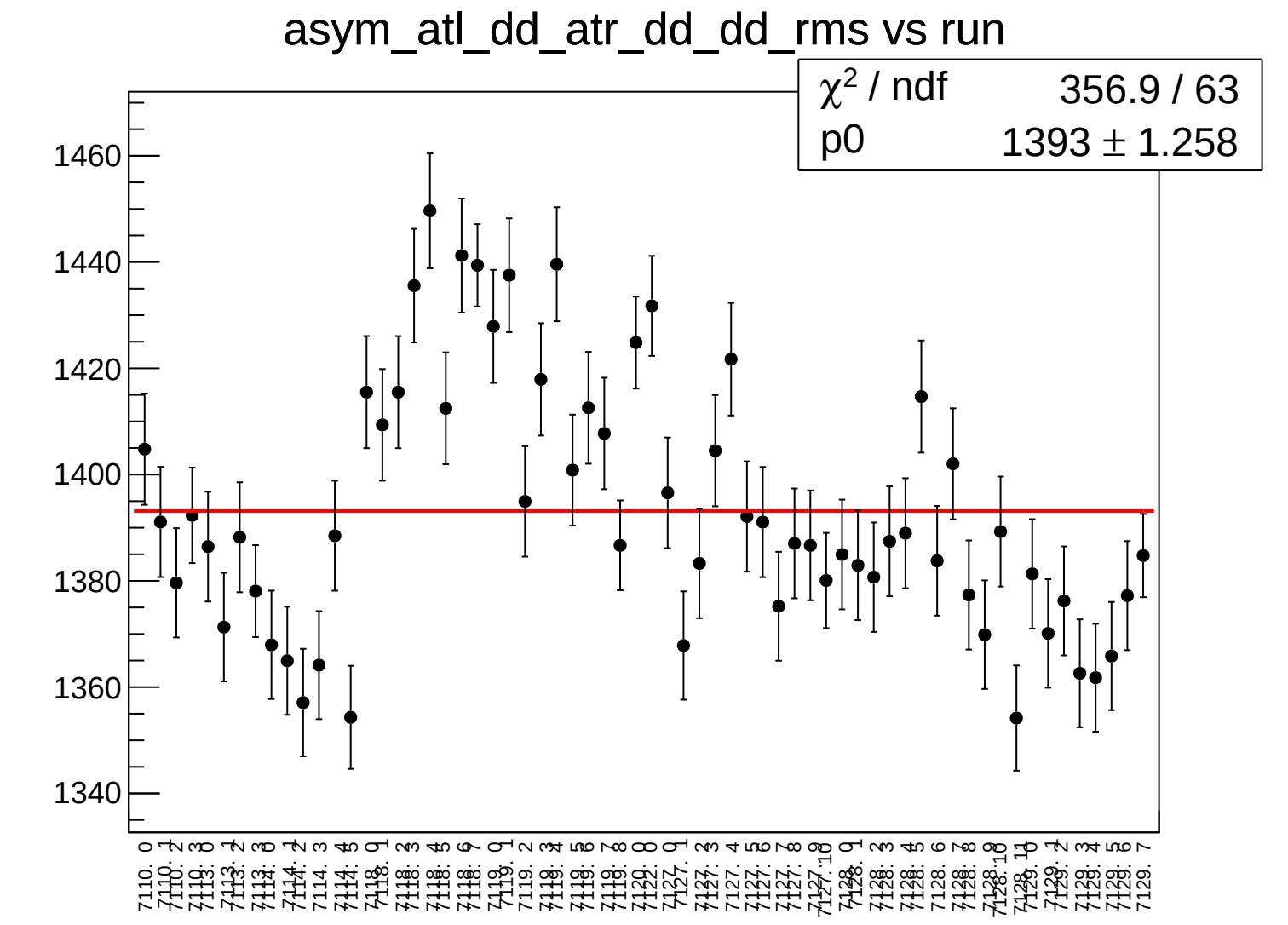

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.59 / 63
p0 1762 ± 824.9
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −874.1
Std Dev 0

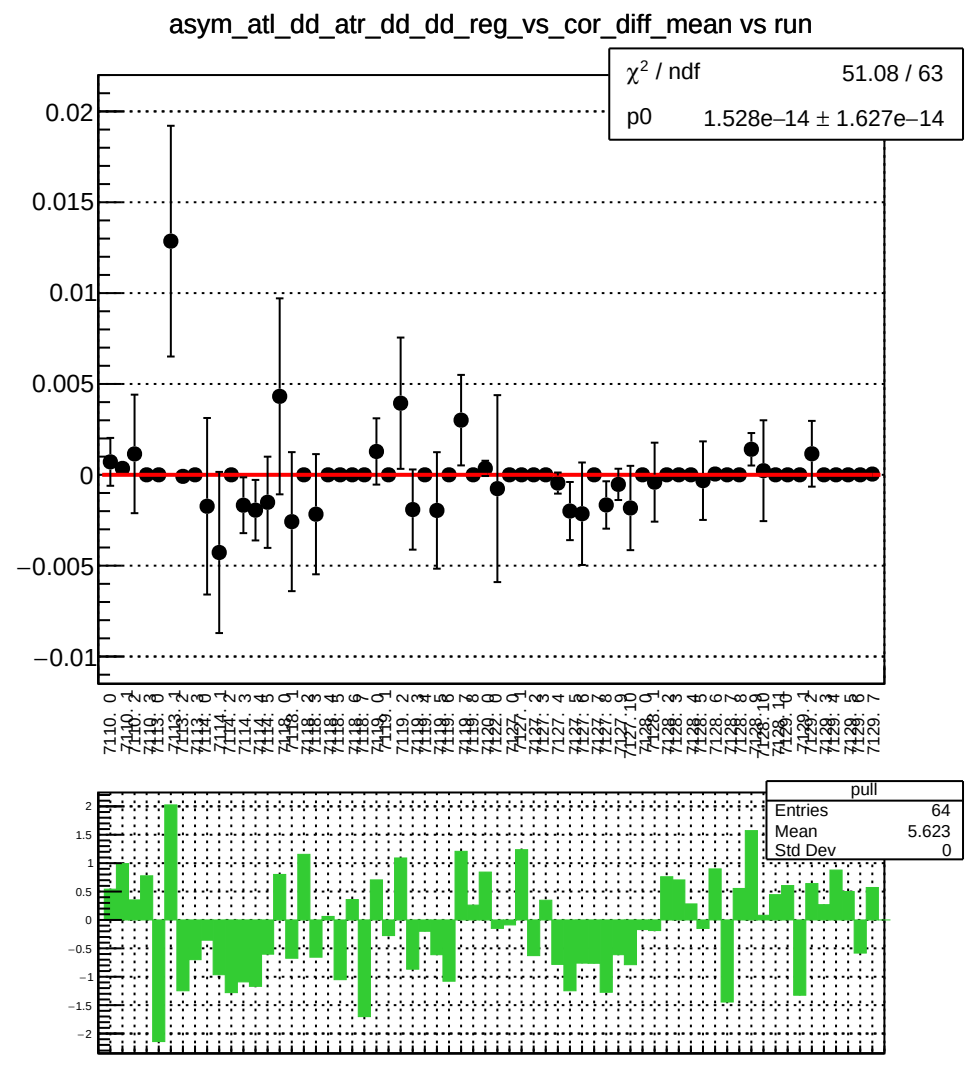

pull1D
Entries 64
Mean −0.006727
Std Dev 0.9967

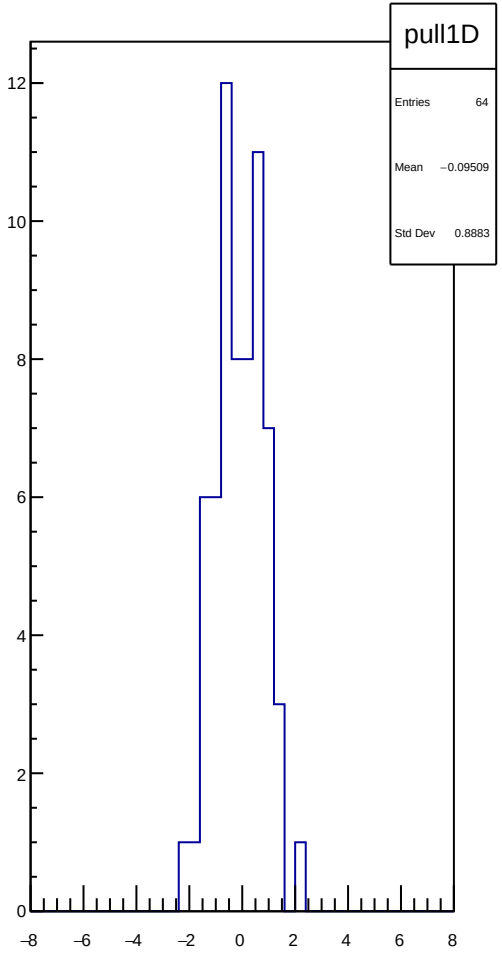

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4739 / 63
p0 644.6 ± 0.5833
740
720
700
680
660
640
620
600
580
560

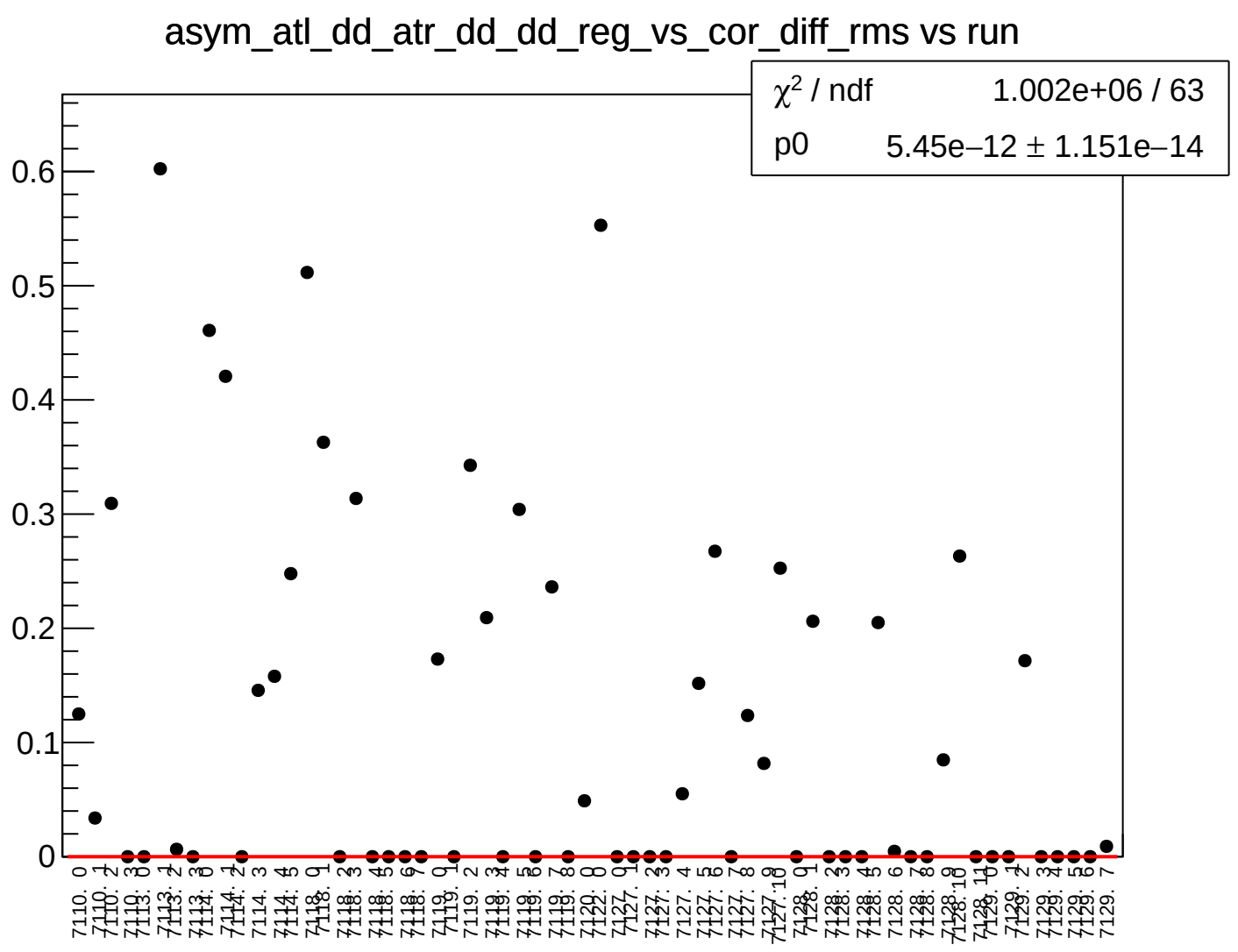

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 51.66 / 63
p0 −2268 ± 1780
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −627.6
Std Dev 0
2
1
0
−1
−2
−3

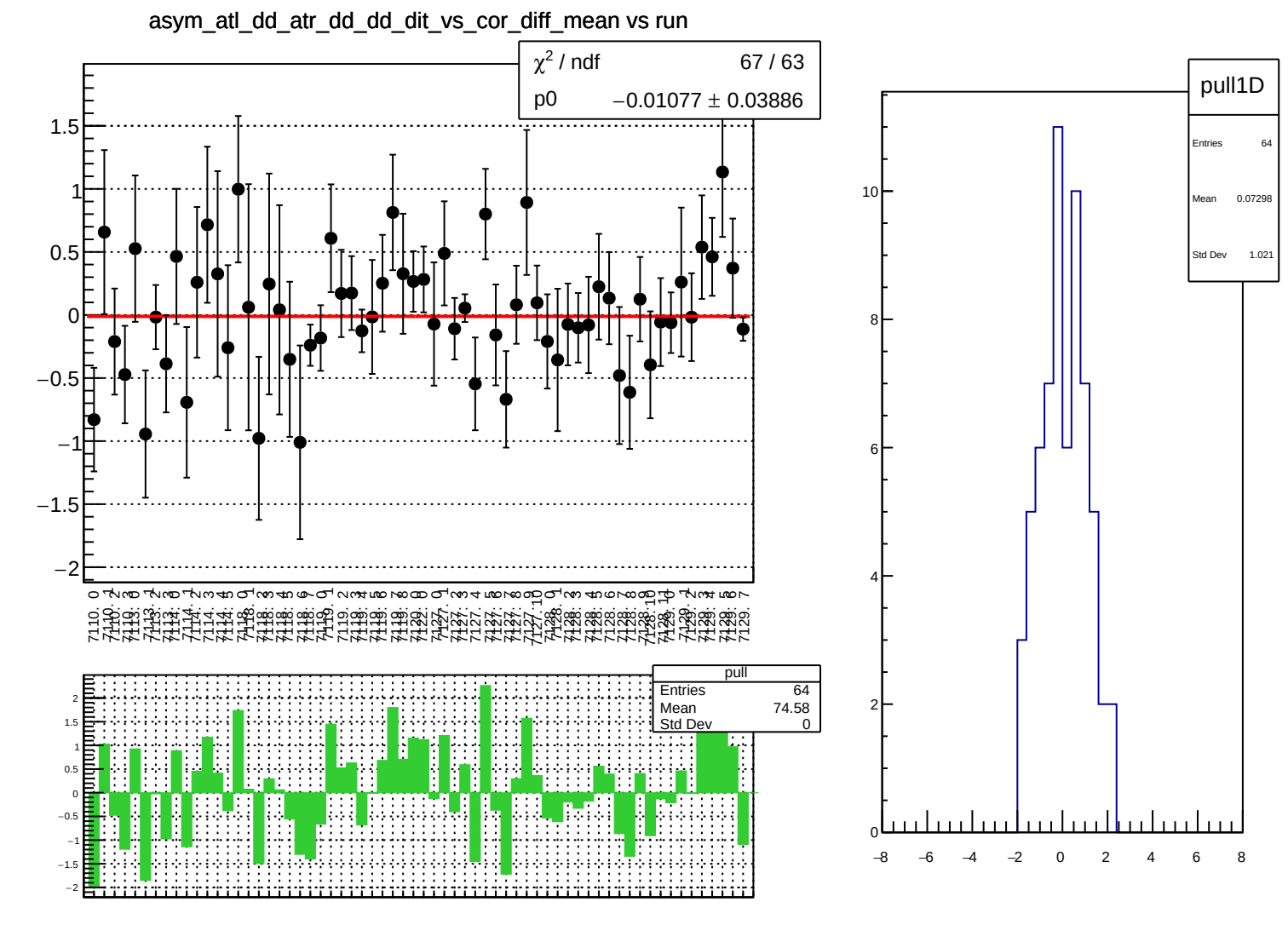

pull1D
Entries 64
Mean 0.007154
Std Dev 0.8984
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

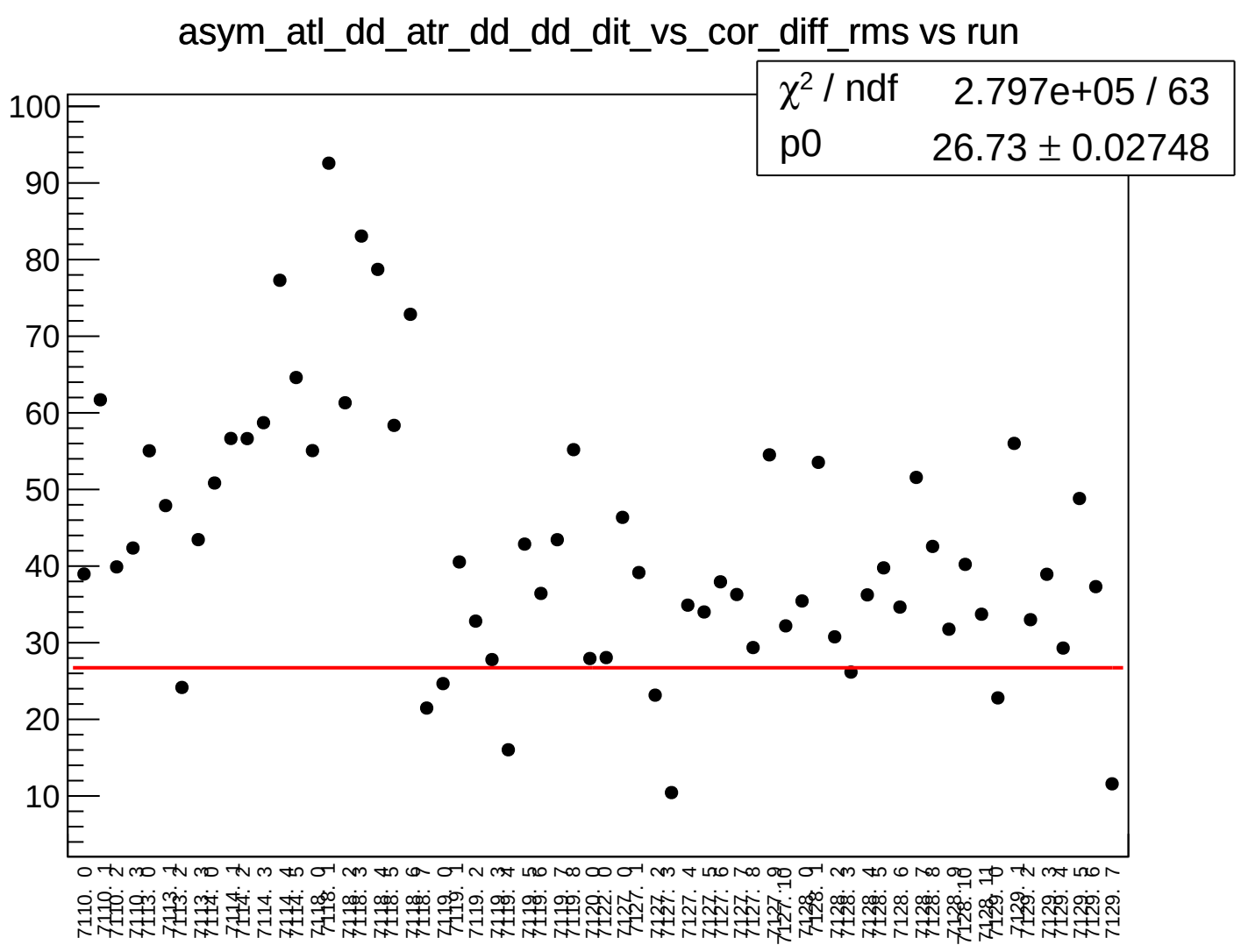

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 356.9 / 63
p0 1393 ± 1.258
1460
1440
1420
1400
1380
1360
1340

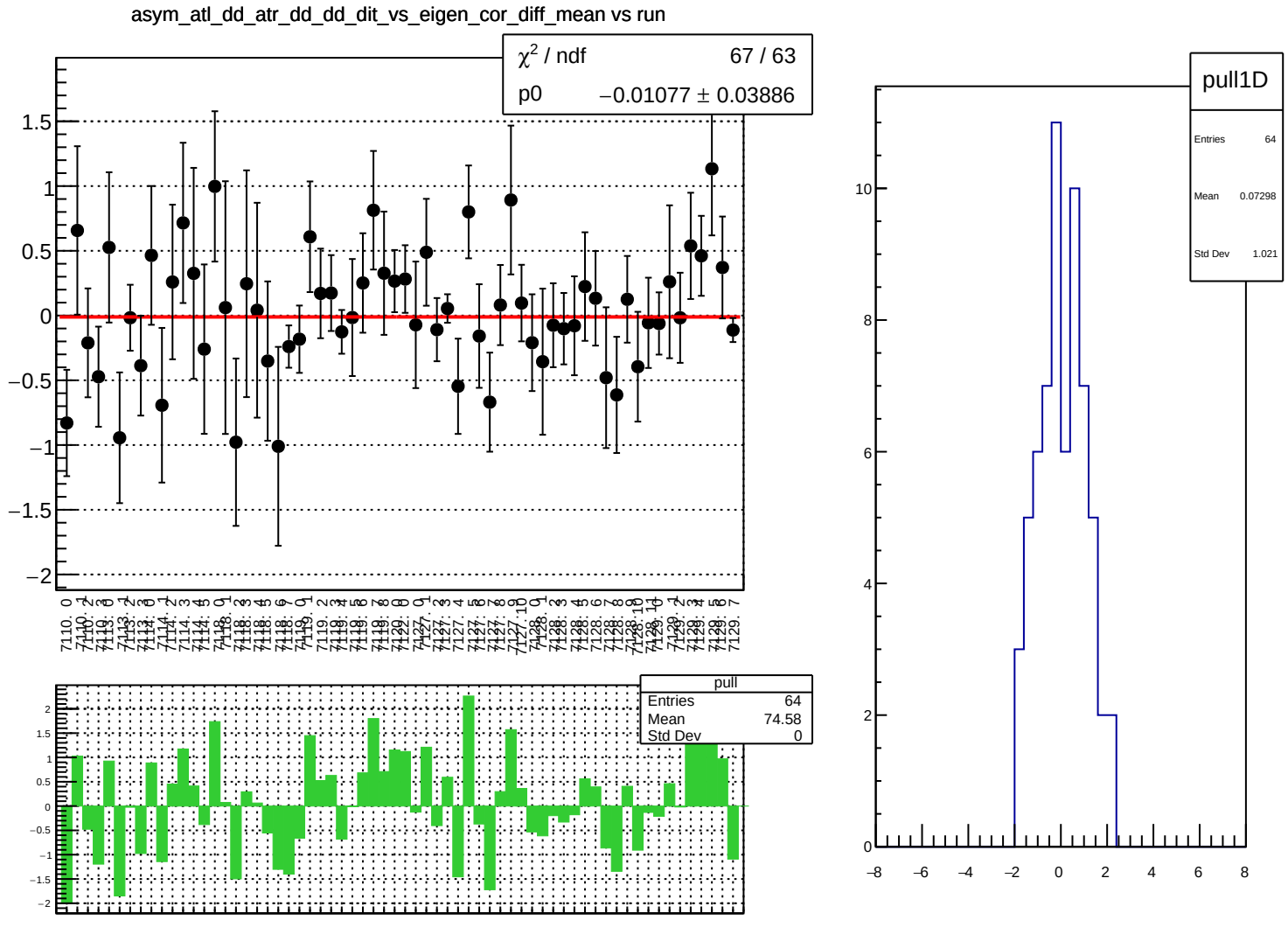

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.08 / 63
p0 1.528e−14 ± 1.627e−14
pull
Entries 64
Mean 5.623
Std Dev 0

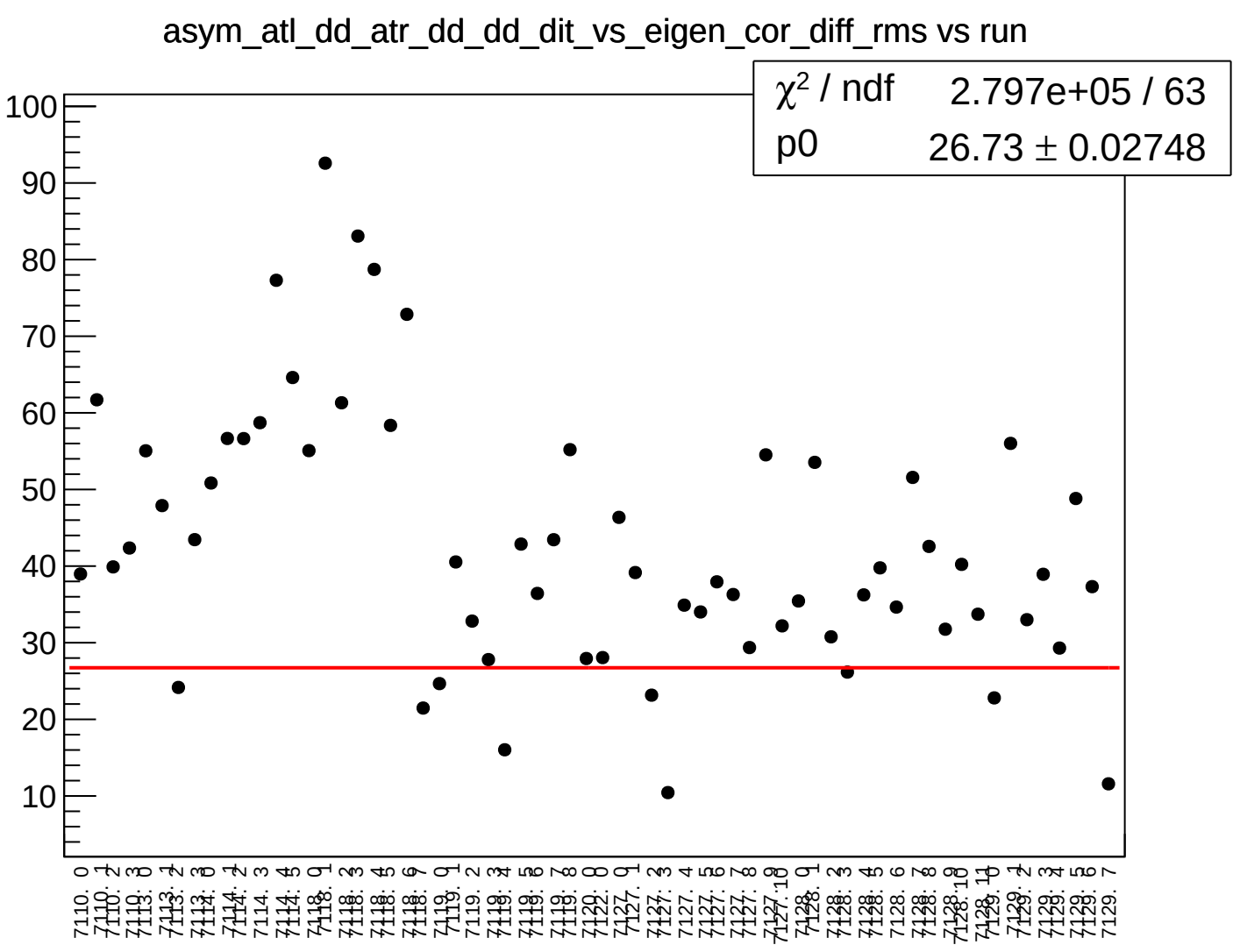

pull1D
Entries 64
Mean −0.09509
Std Dev 0.8883

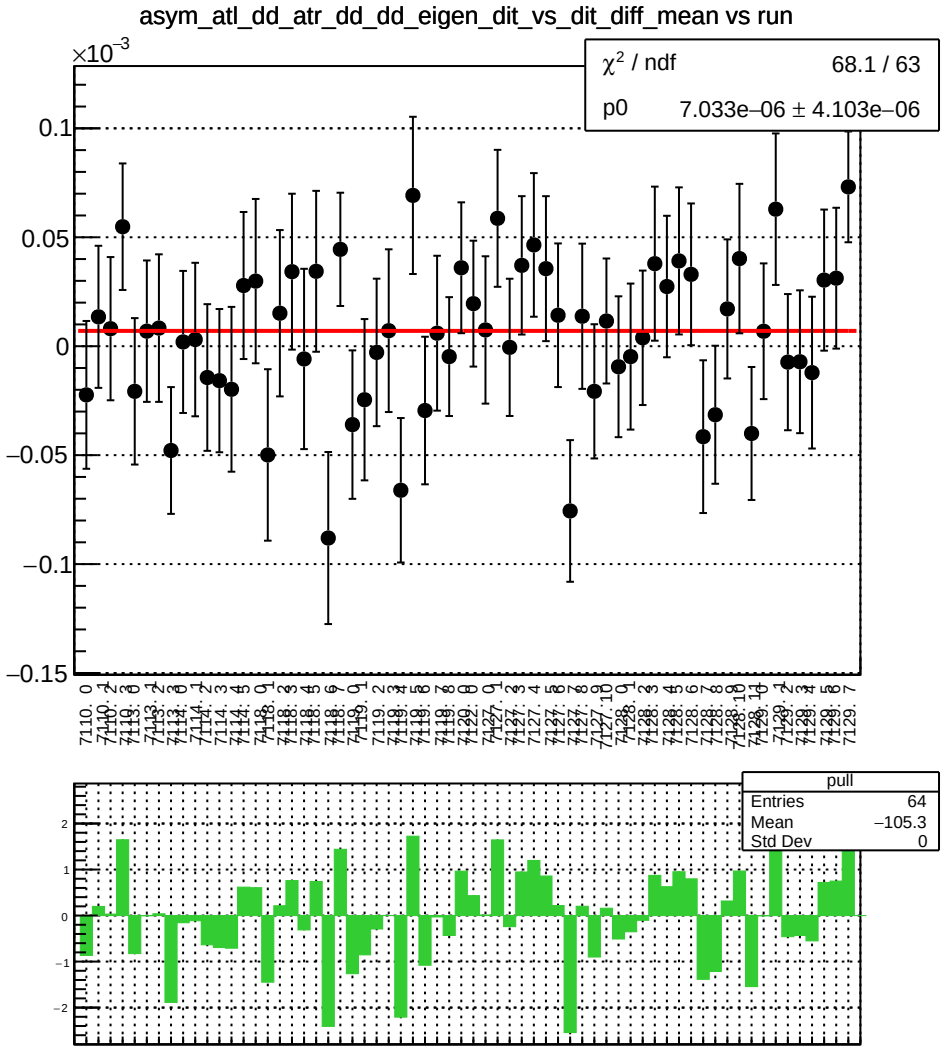

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.002e+06 / 63
p0 5.45e−12 ± 1.151e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

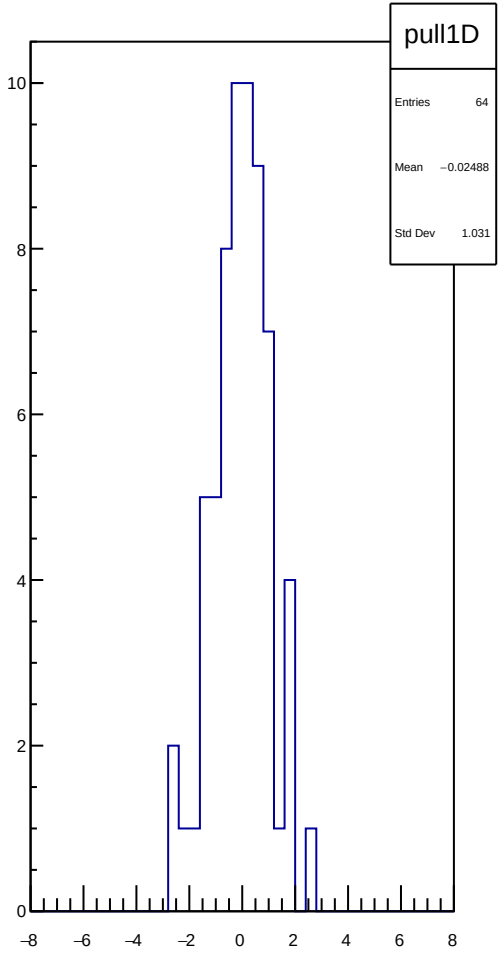

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01077 ± 0.03886
pull
Entries 64
Mean 74.58
Std Dev 0
pull1D
Entries 64
Mean 0.07298
Std Dev 1.021

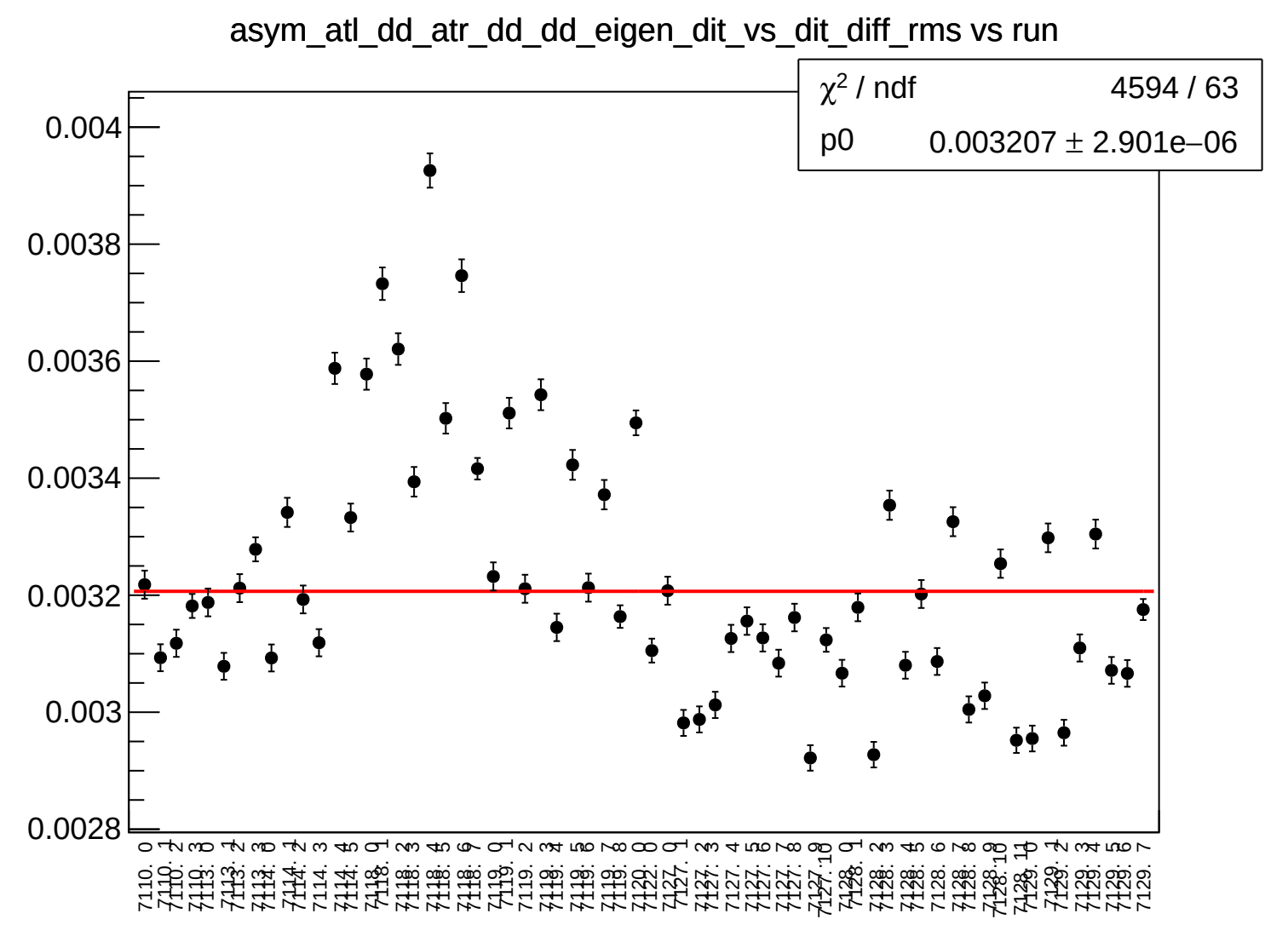

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

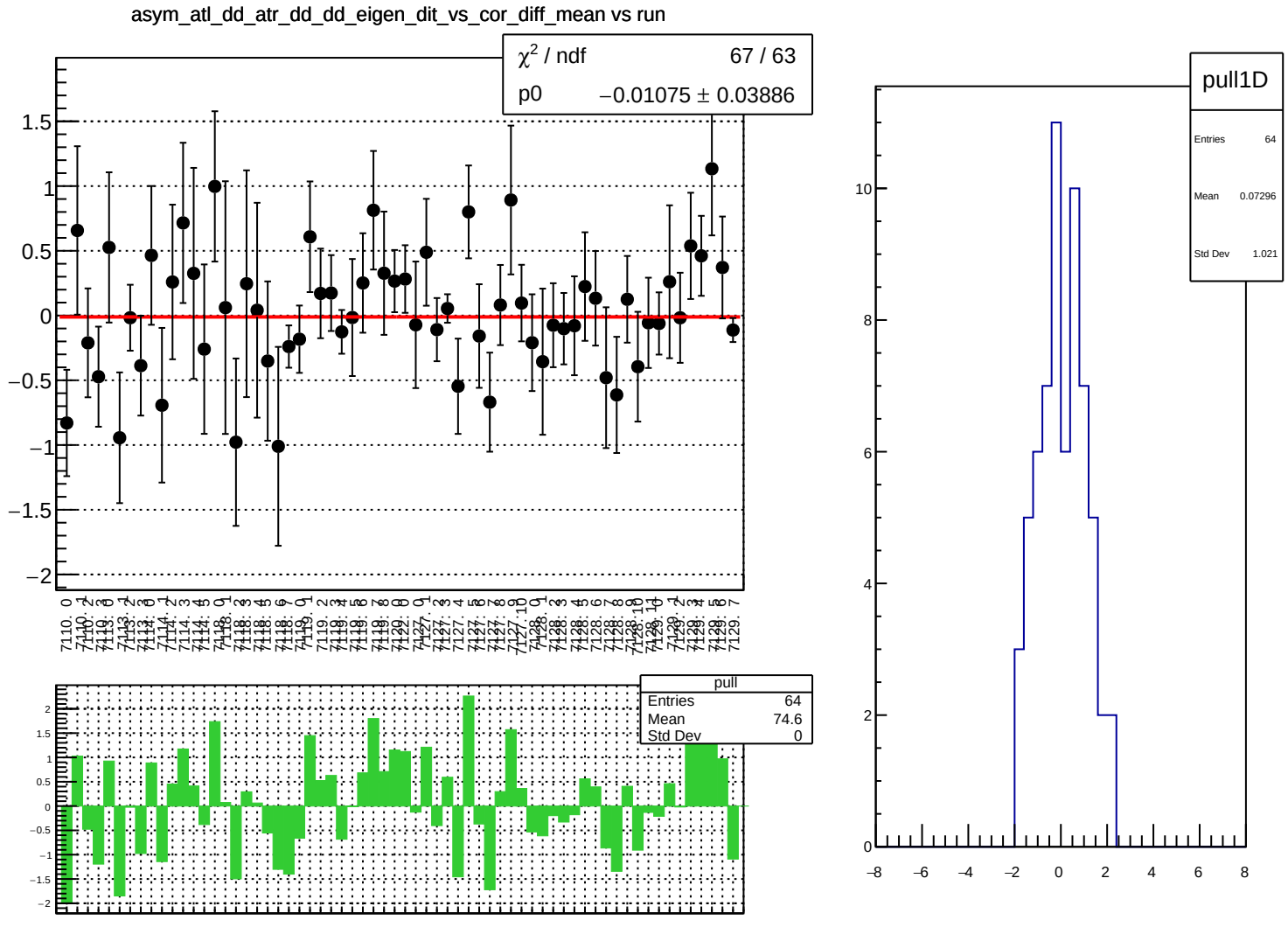

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01077 ± 0.03886
pull
Entries 64
Mean 74.58
Std Dev 0
pull1D
Entries 64
Mean 0.07298
Std Dev 1.021

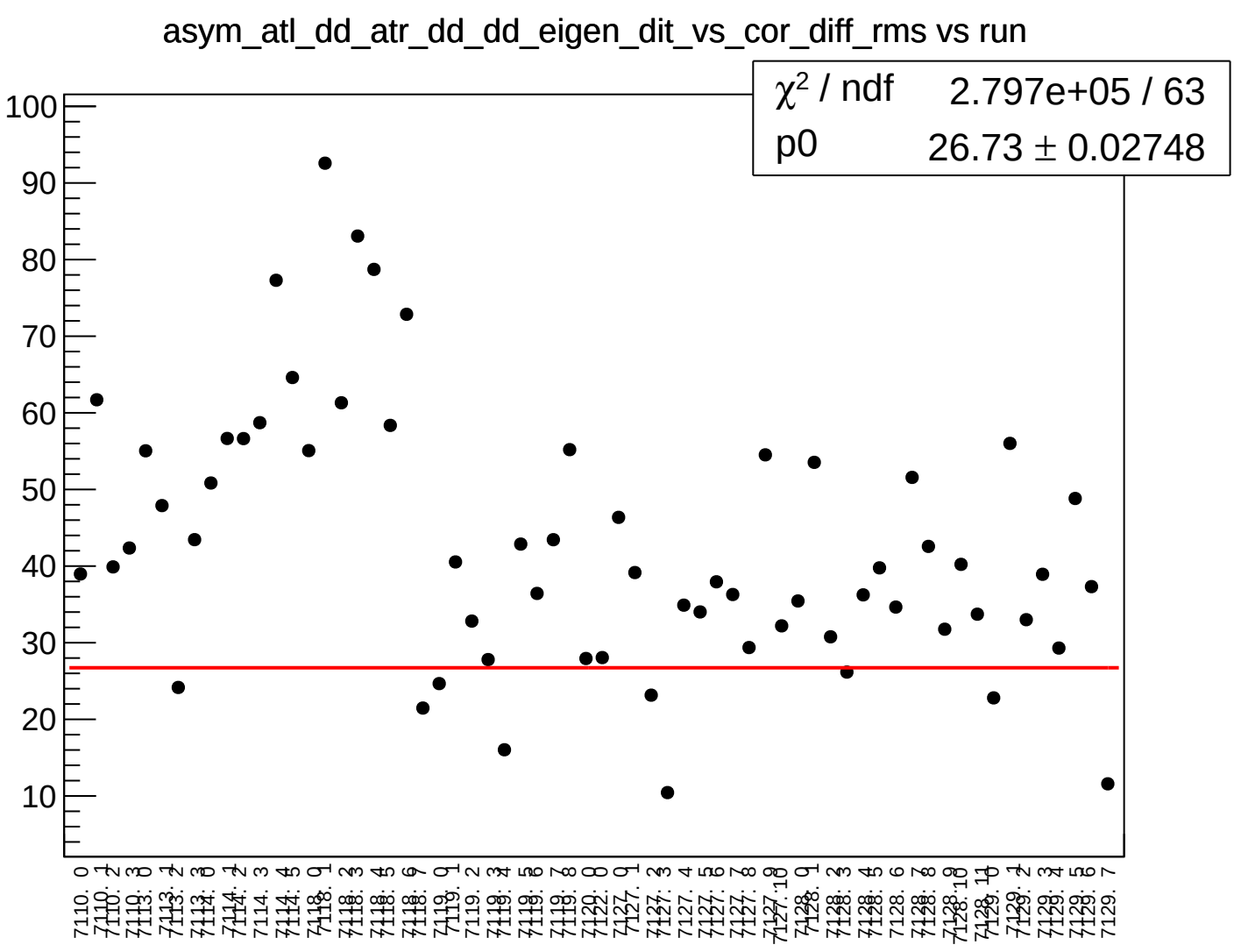

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

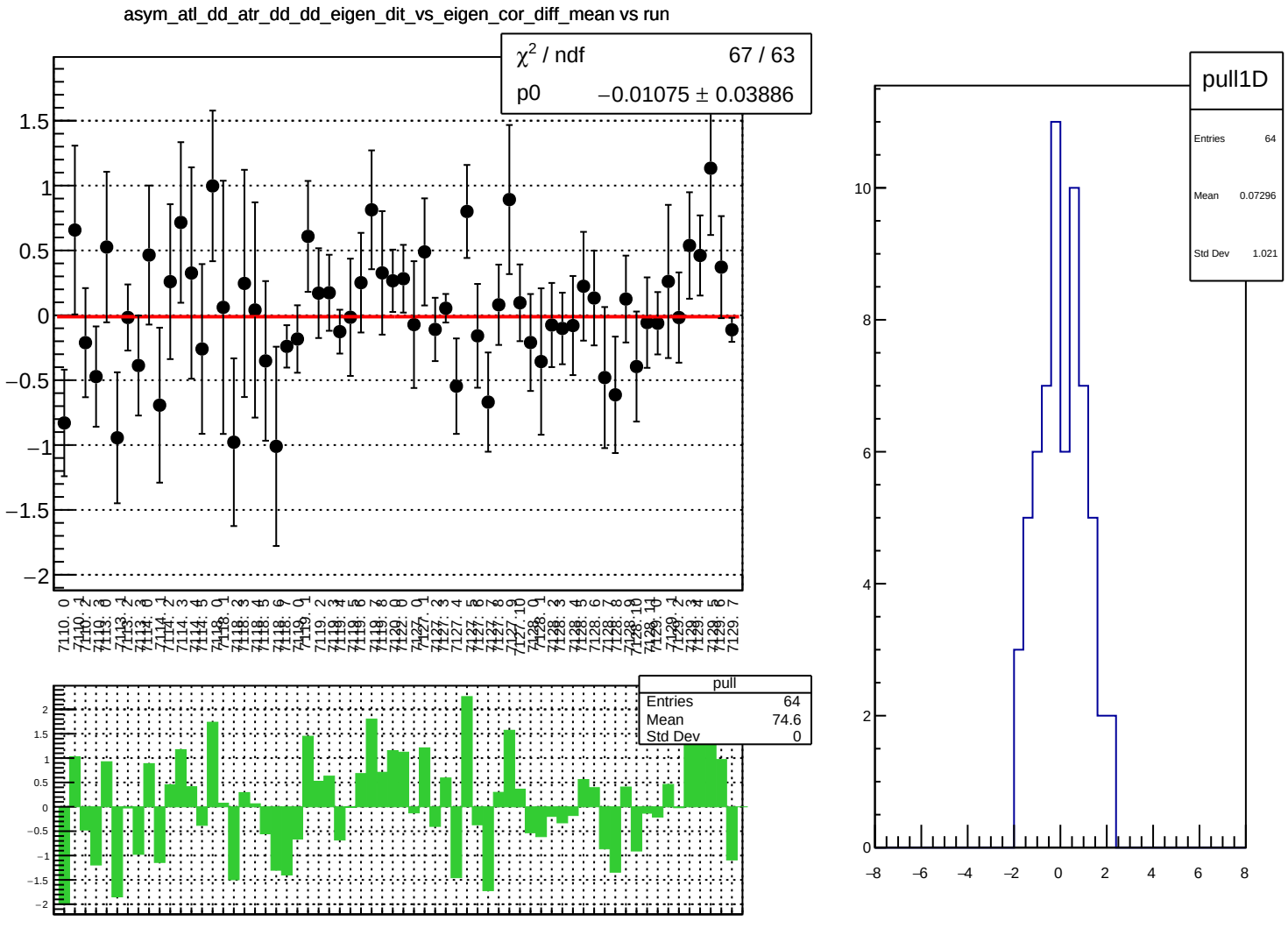

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.1 / 63
p0 7.033e−06 ± 4.103e−06
pull
Entries 64
Mean −105.3
Std Dev 0

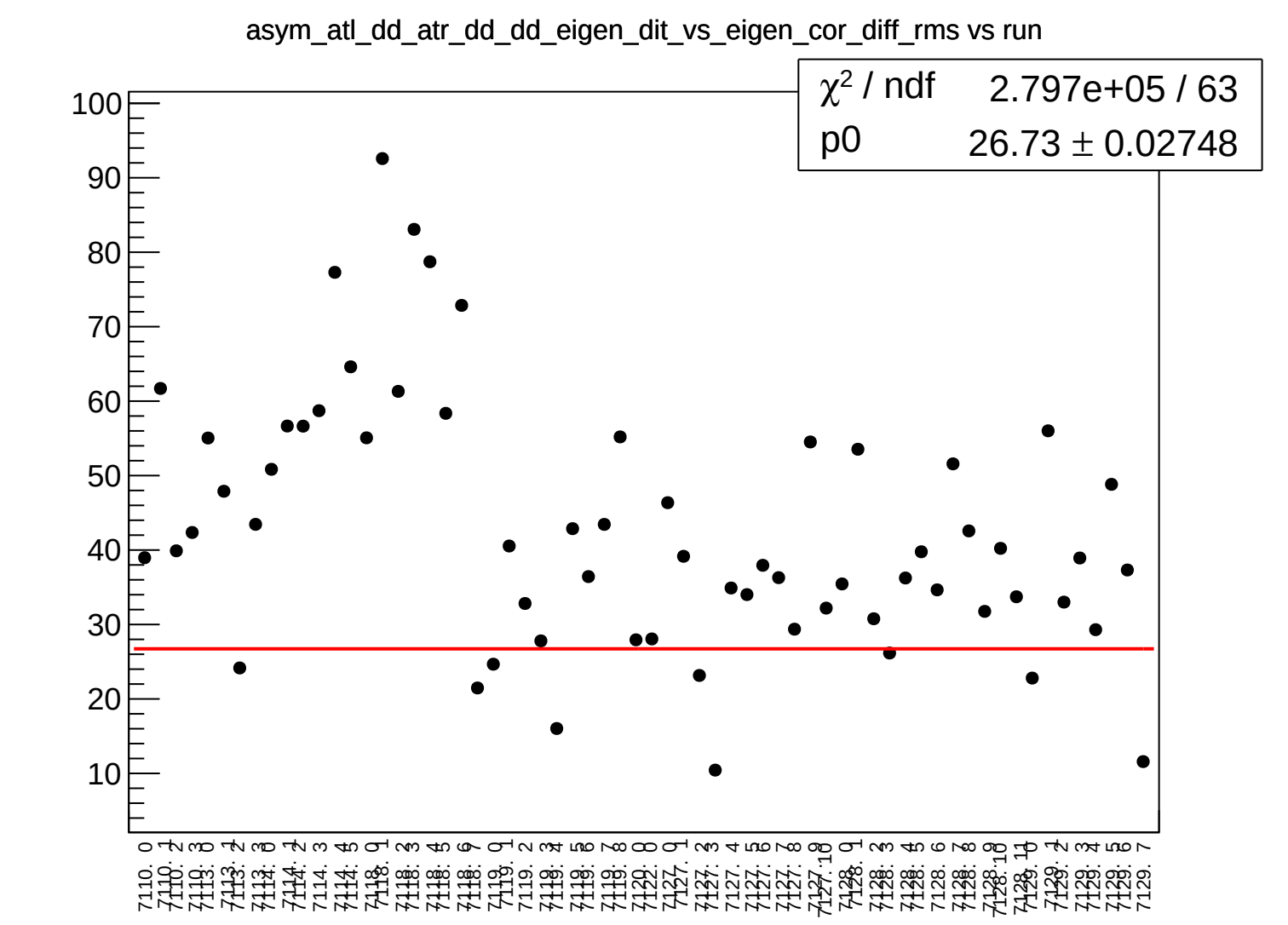

pull1D
Entries 64
Mean −0.02488
Std Dev 1.031

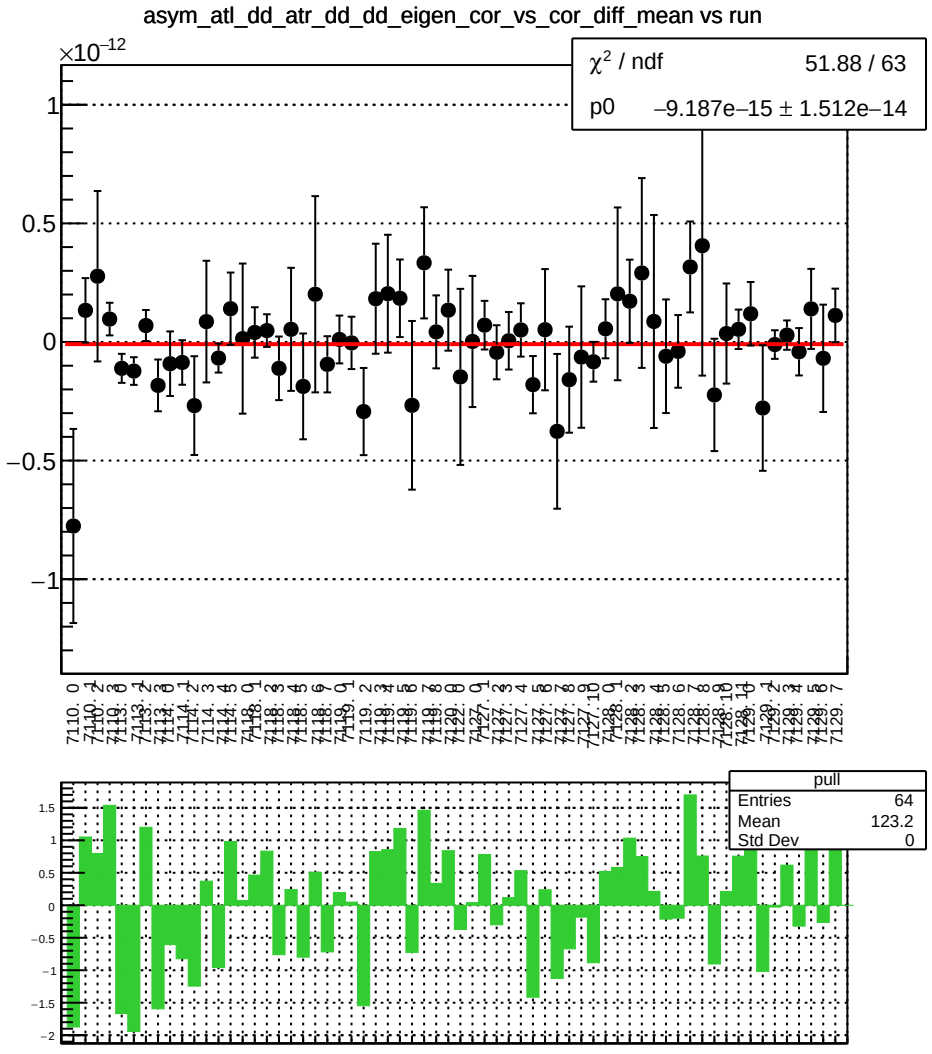

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4594 / 63
p0 0.003207 ± 2.901e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

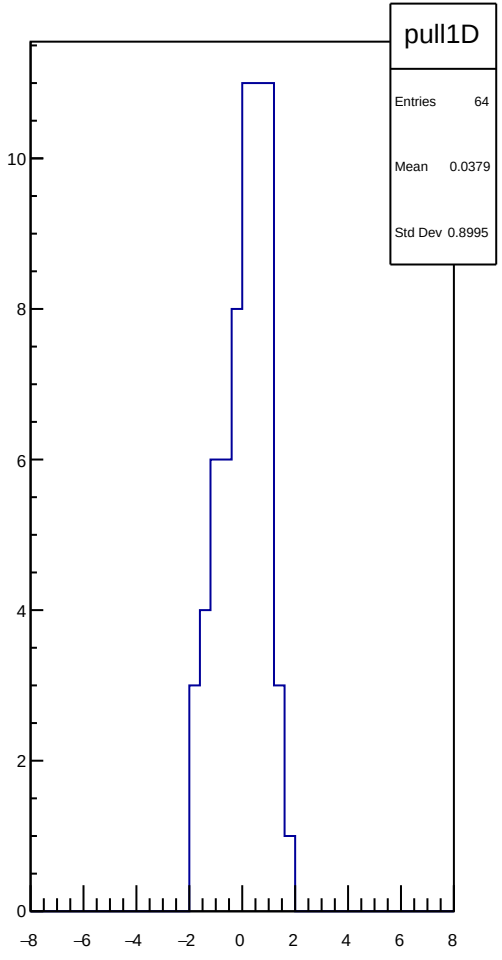

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01075 ± 0.03886
pull
Entries 64
Mean 74.6
Std Dev 0
pull1D
Entries 64
Mean 0.07296
Std Dev 1.021

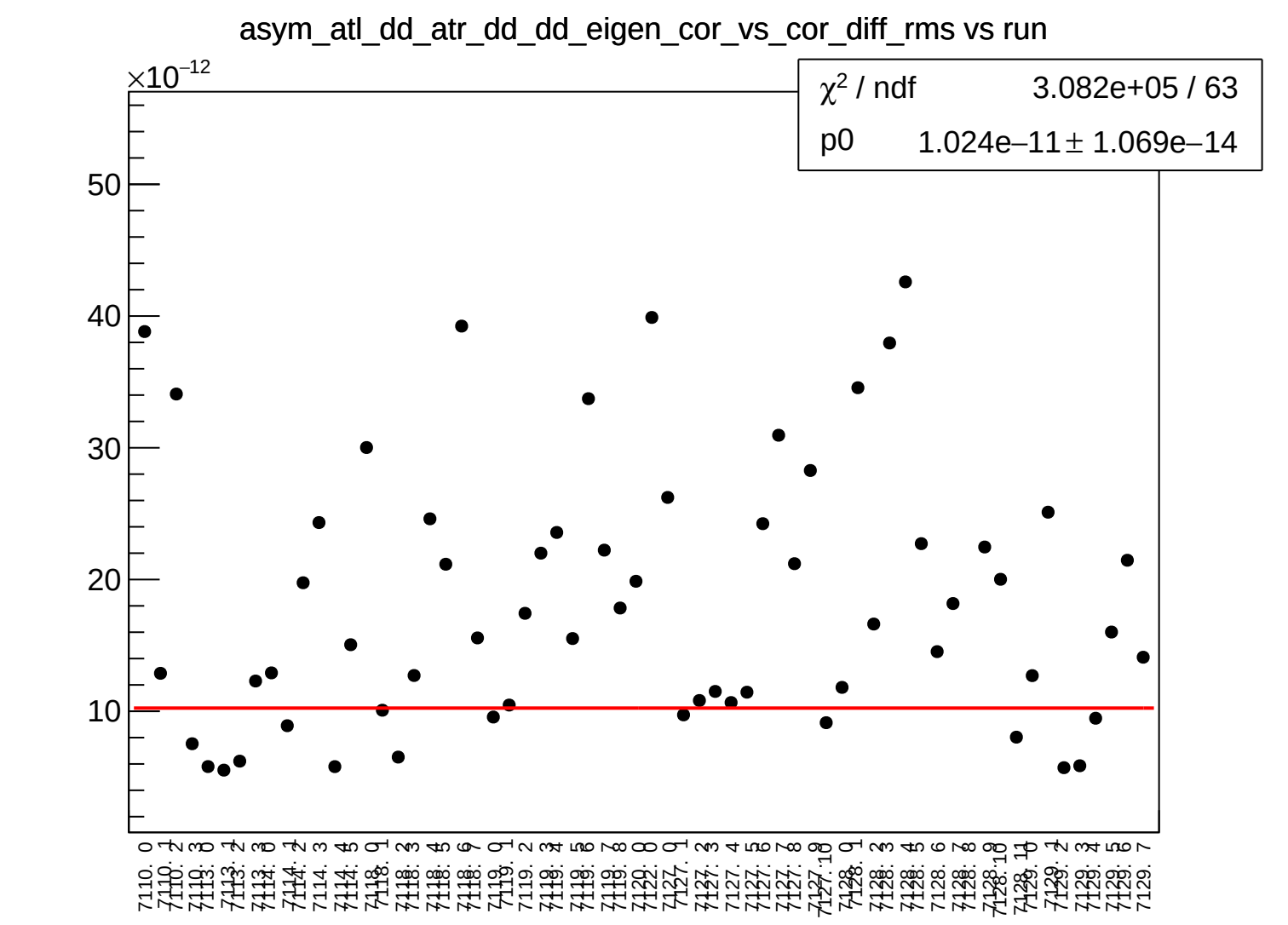

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

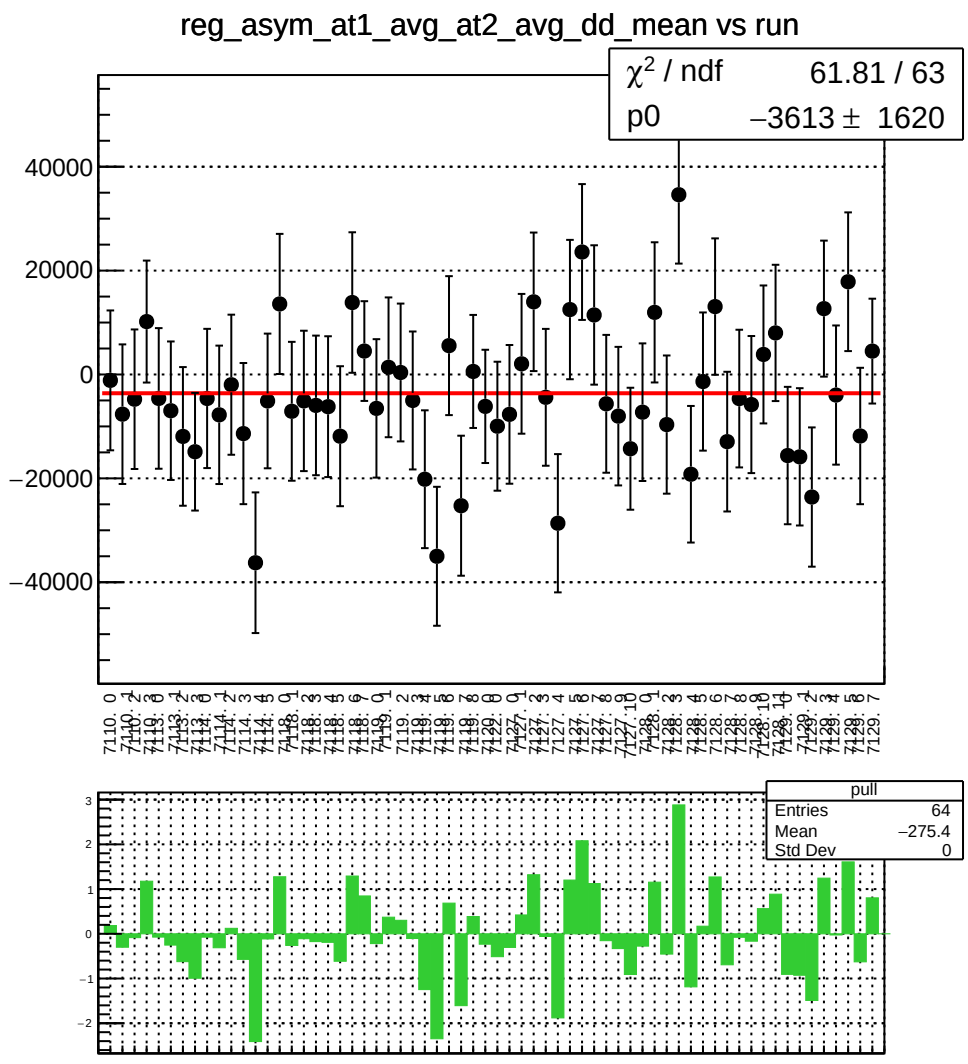

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01075 ± 0.03886
pull
Entries 64
Mean 74.6
Std Dev 0
pull1D
Entries 64
Mean 0.07296
Std Dev 1.021

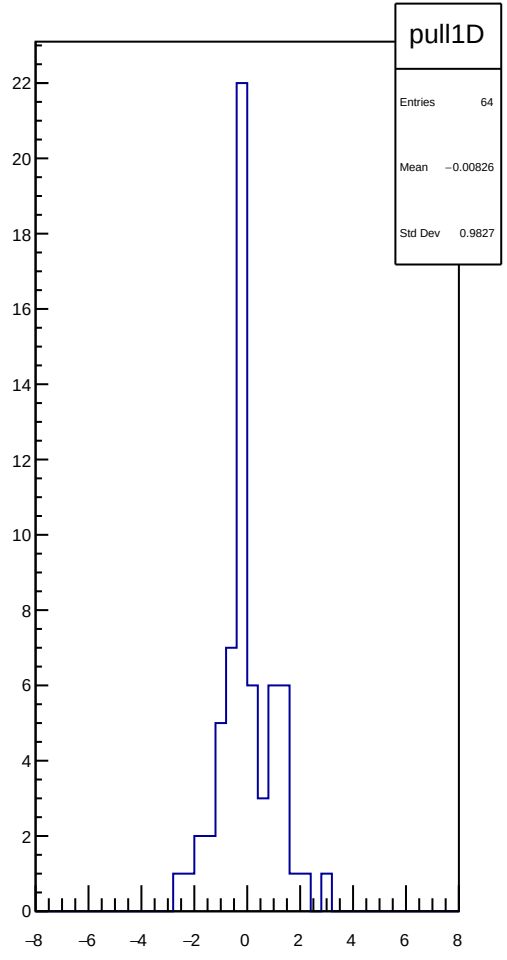

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

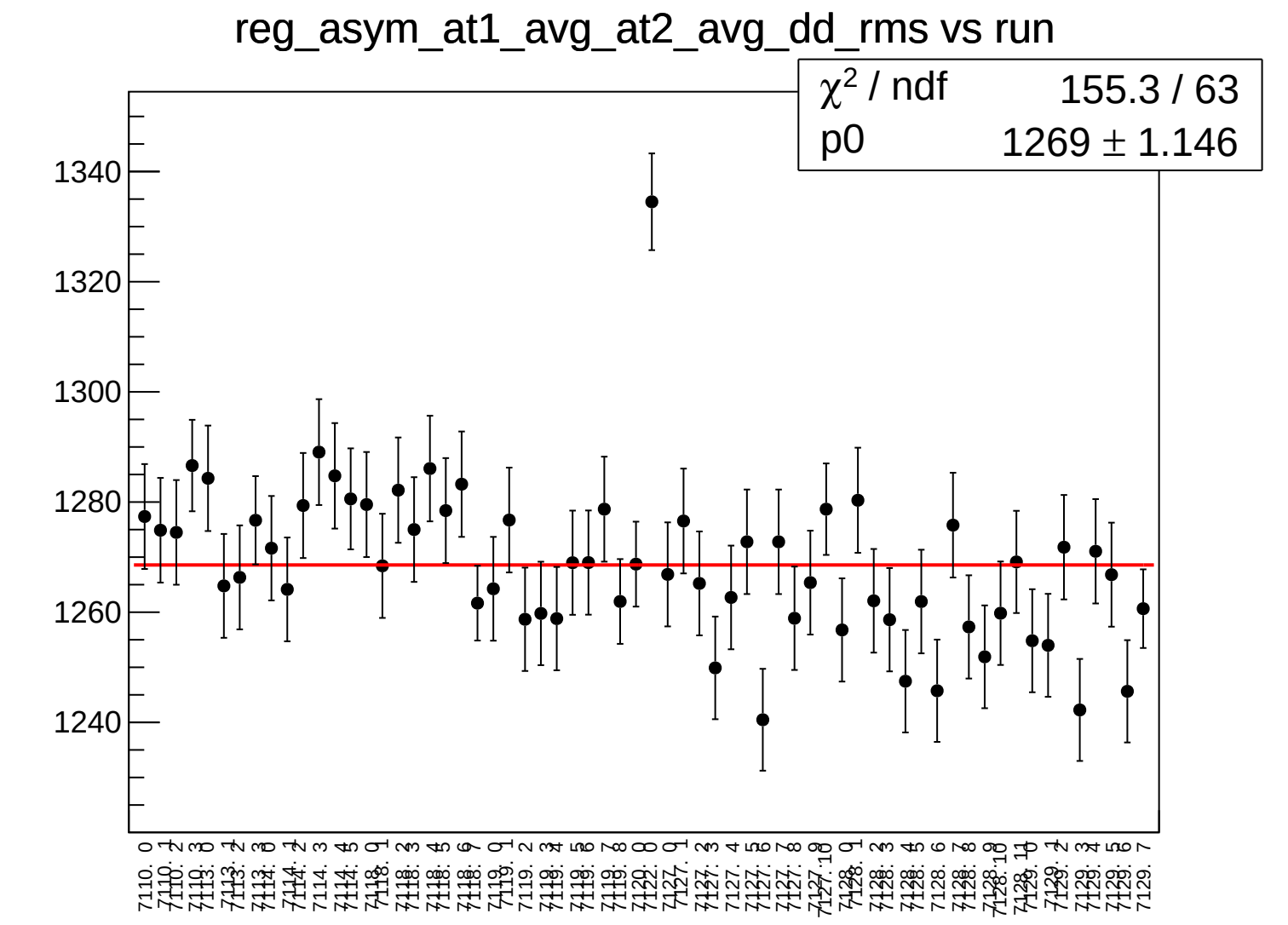

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.88 / 63
p0 −9.187e−15 ± 1.512e−14
pull
Entries 64
Mean 123.2
Std Dev 0

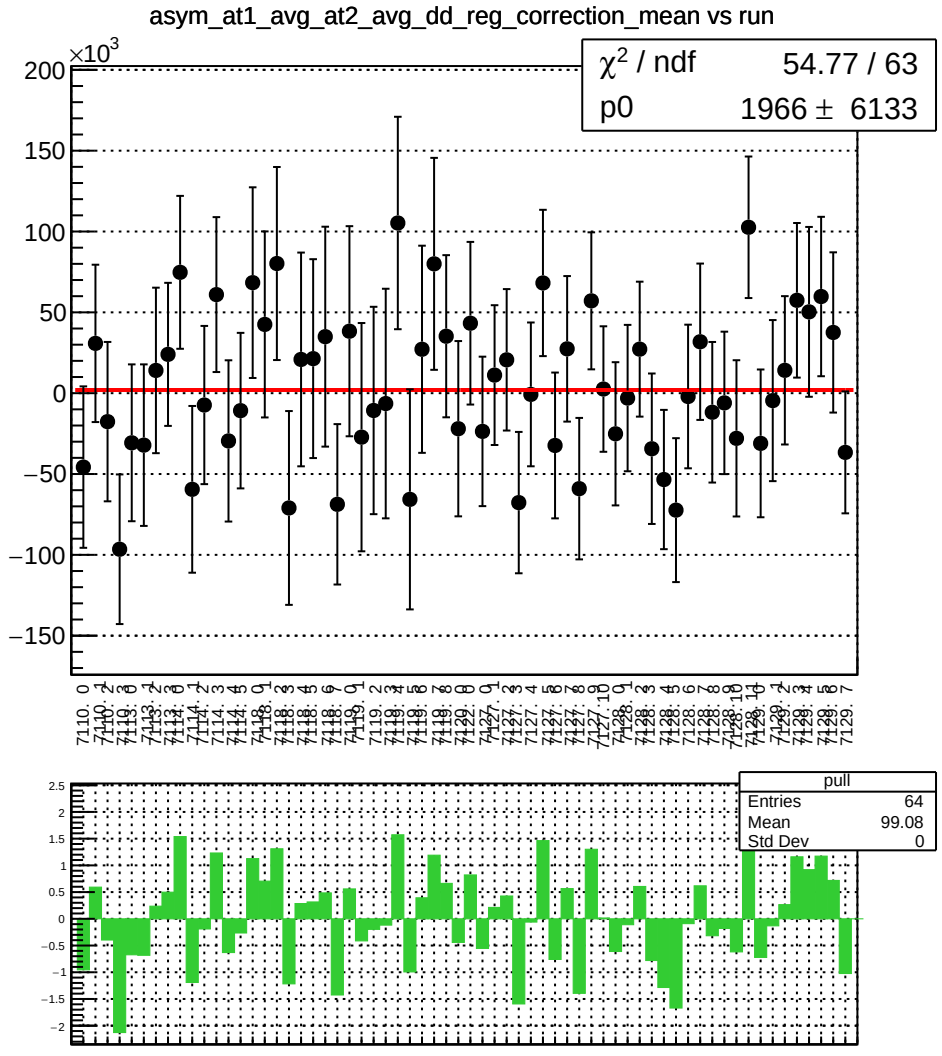

pull1D
Entries 64
Mean 0.0379
Std Dev 0.8995

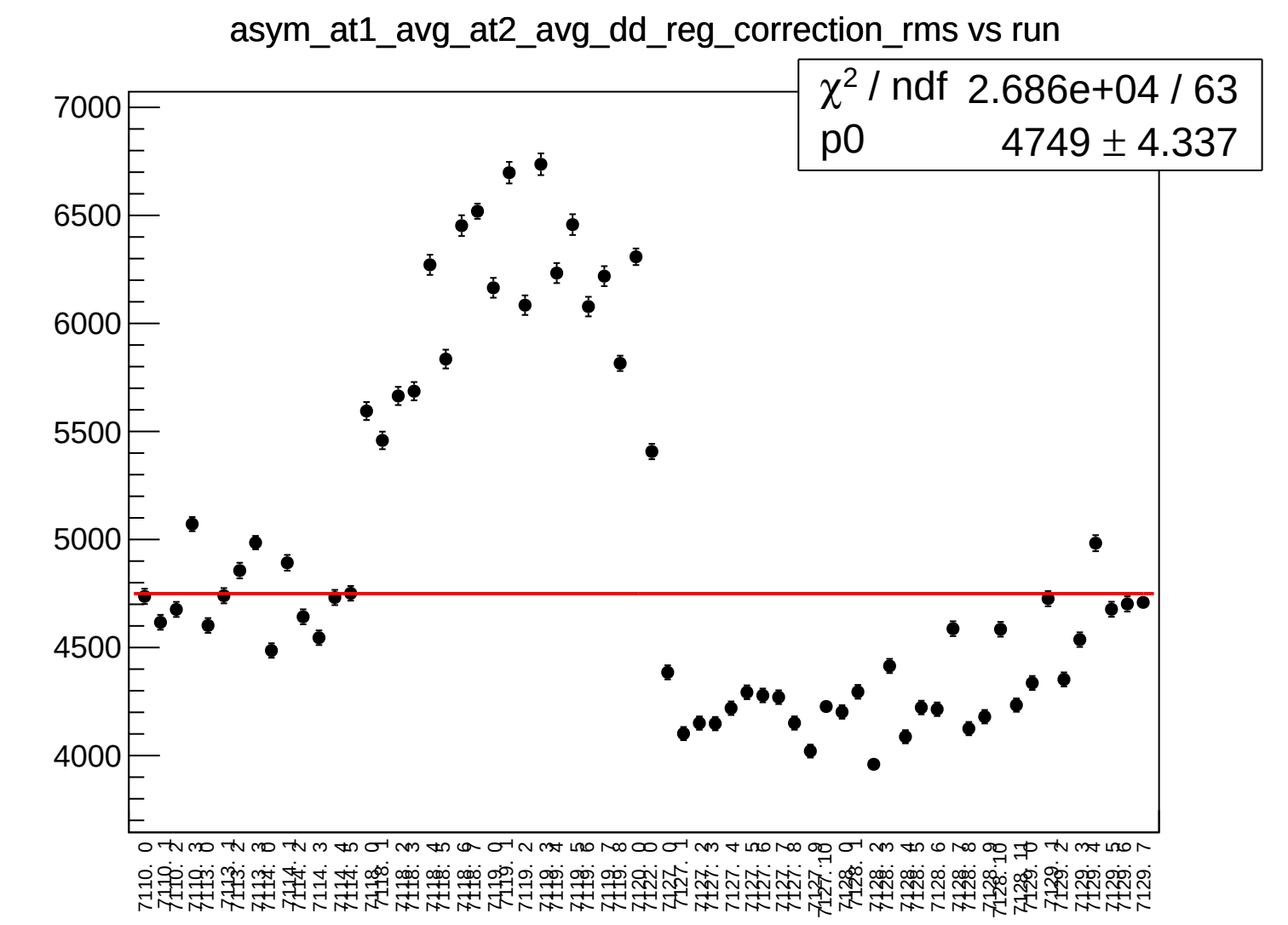

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.082e+05 / 63
p0 1.024e−11 ± 1.069e−14
50
40
30
20
10

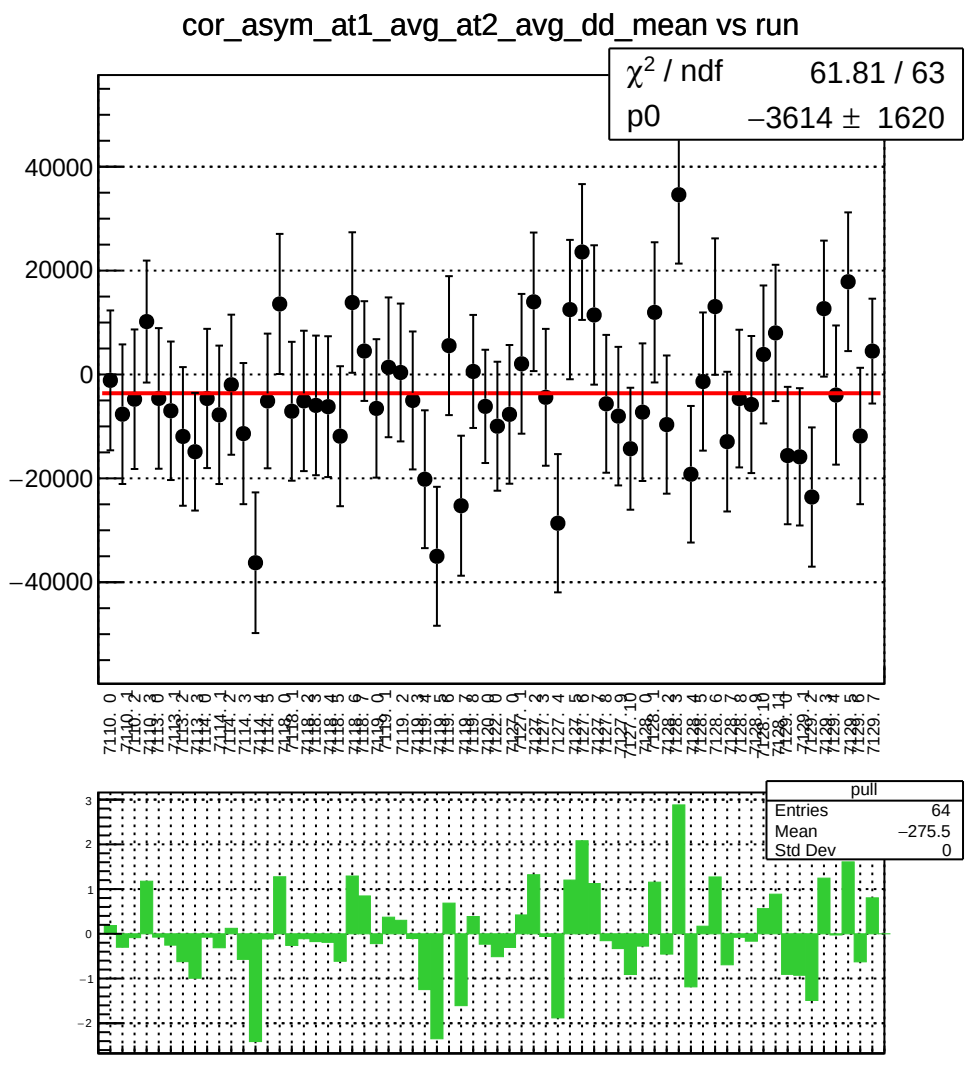

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 61.81 / 63
p0 −3613 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.4
Std Dev 0
3
2
1
0
−1
−2

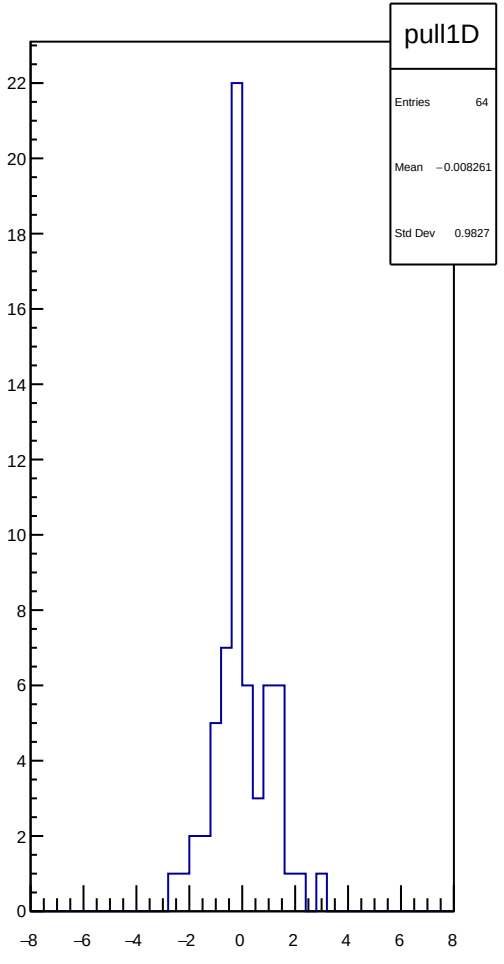

pull1D
Entries 64
Mean −0.00826
Std Dev 0.9827
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

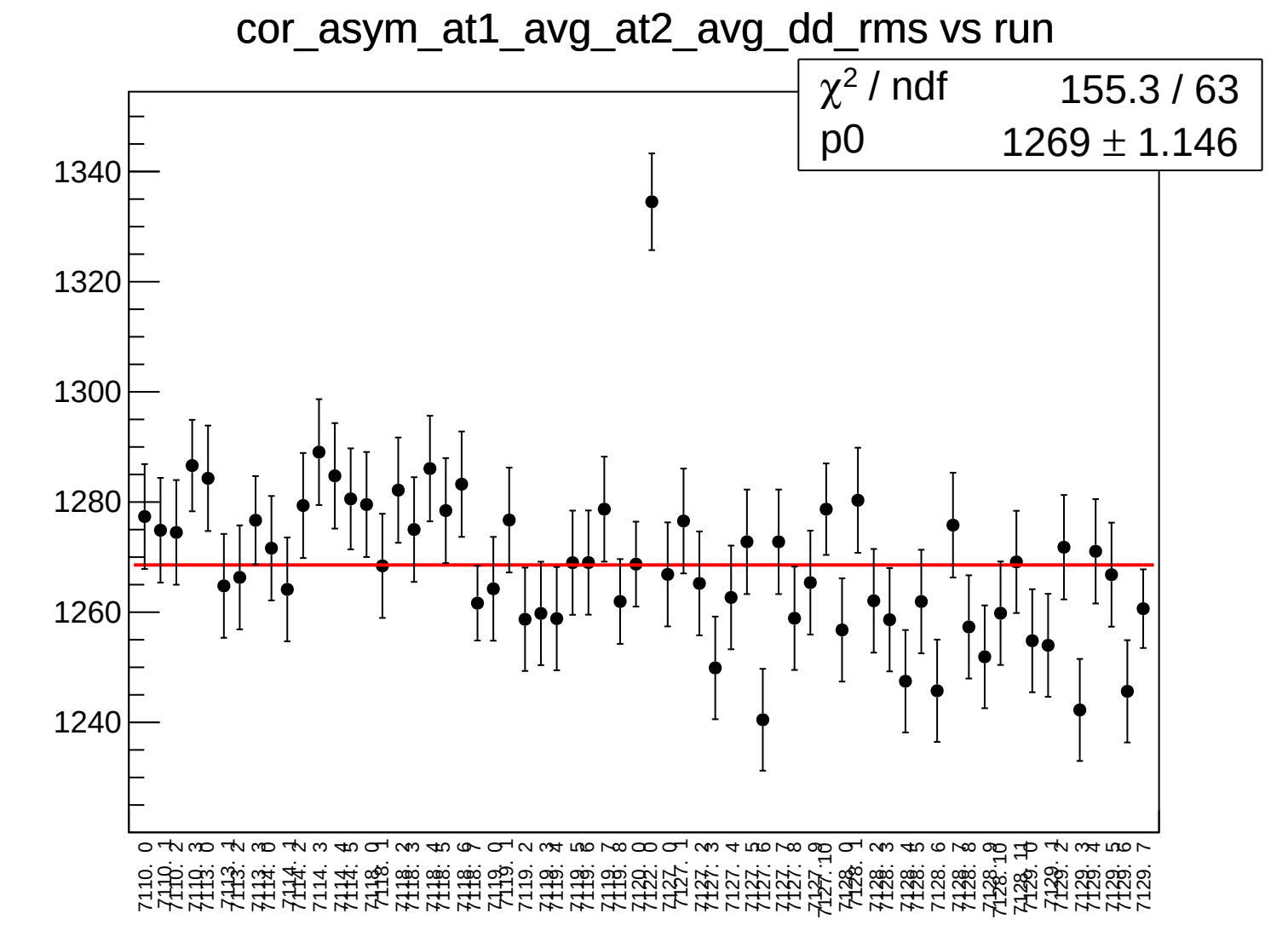

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

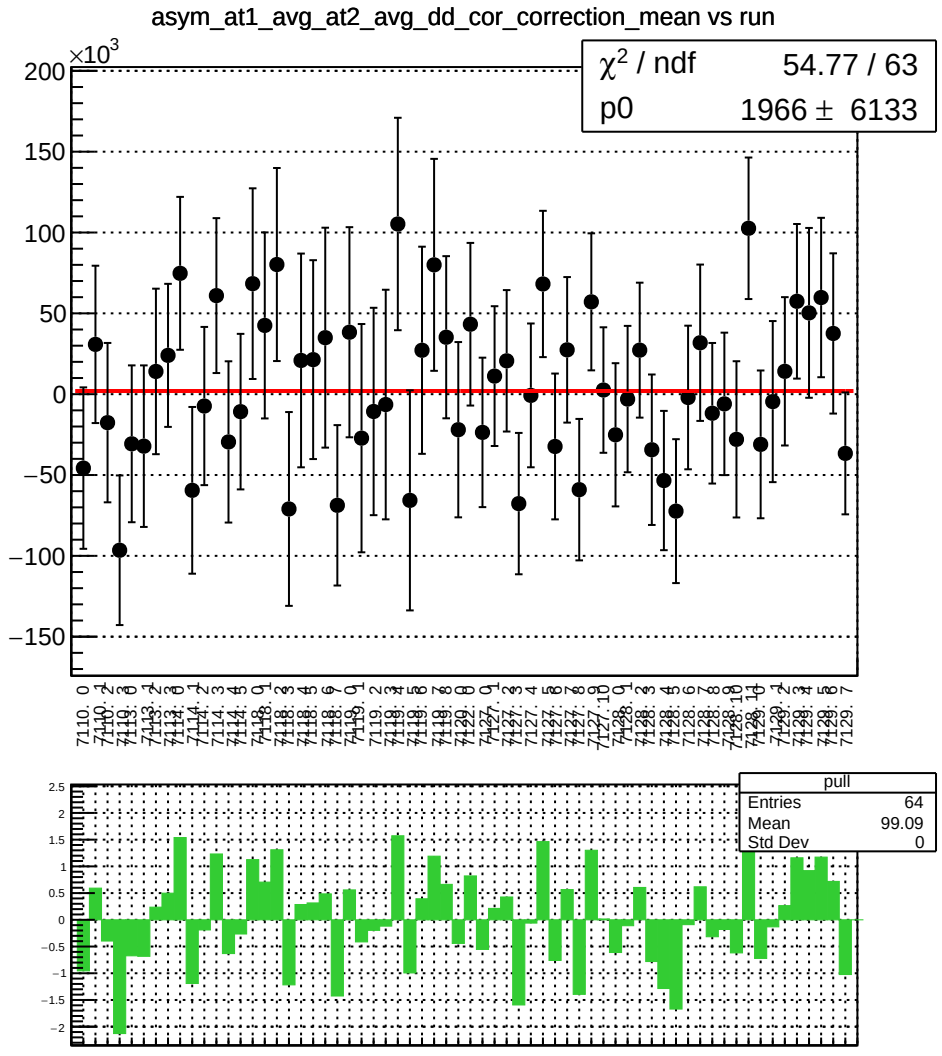

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.08
Std Dev 0
pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

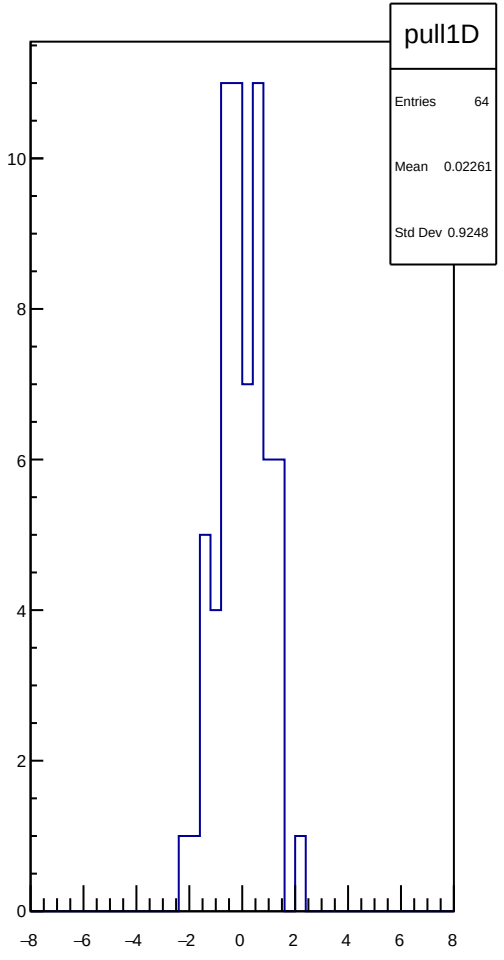

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

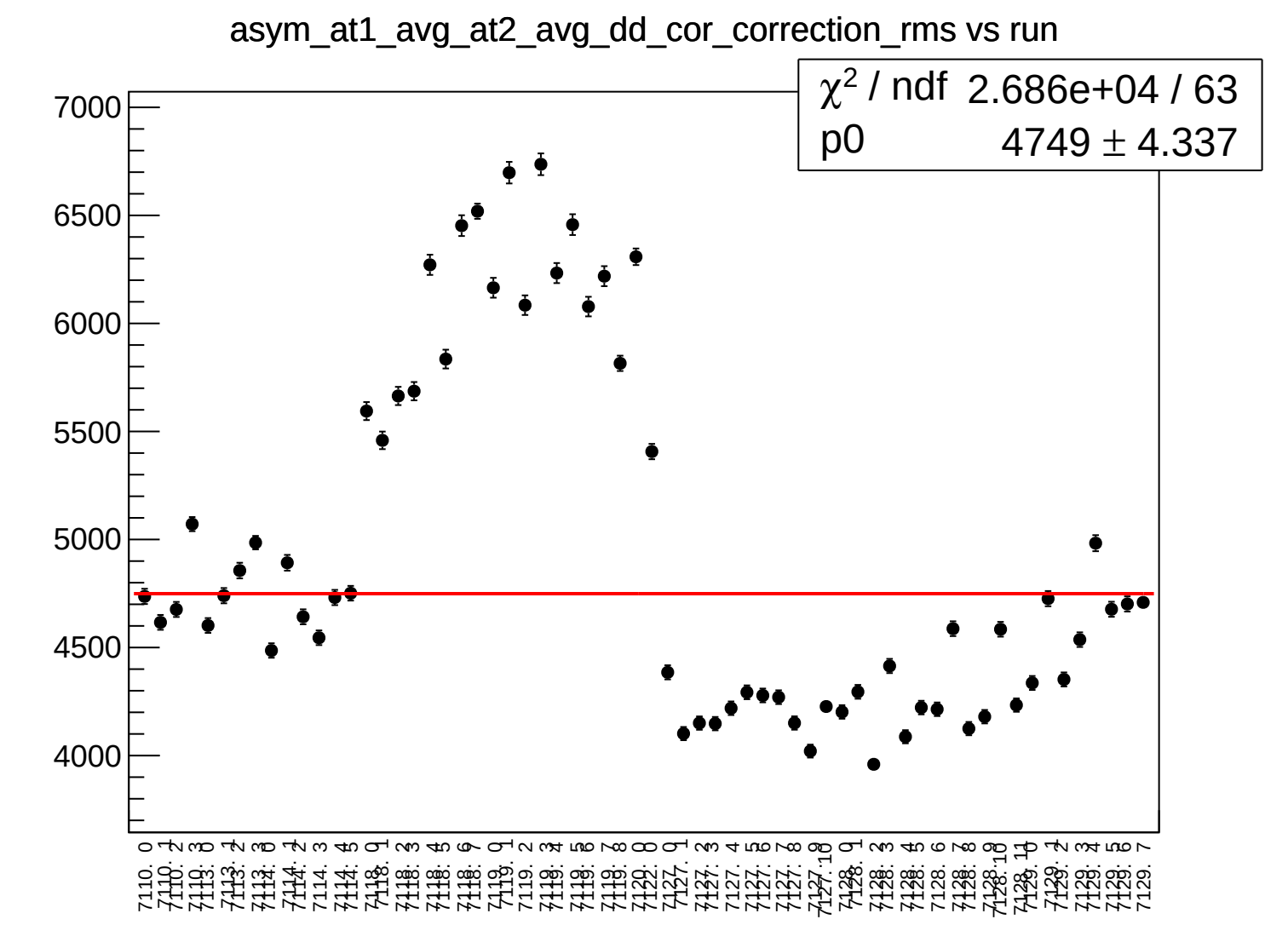

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 61.81 / 63
p0 −3614 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.5
Std Dev 0

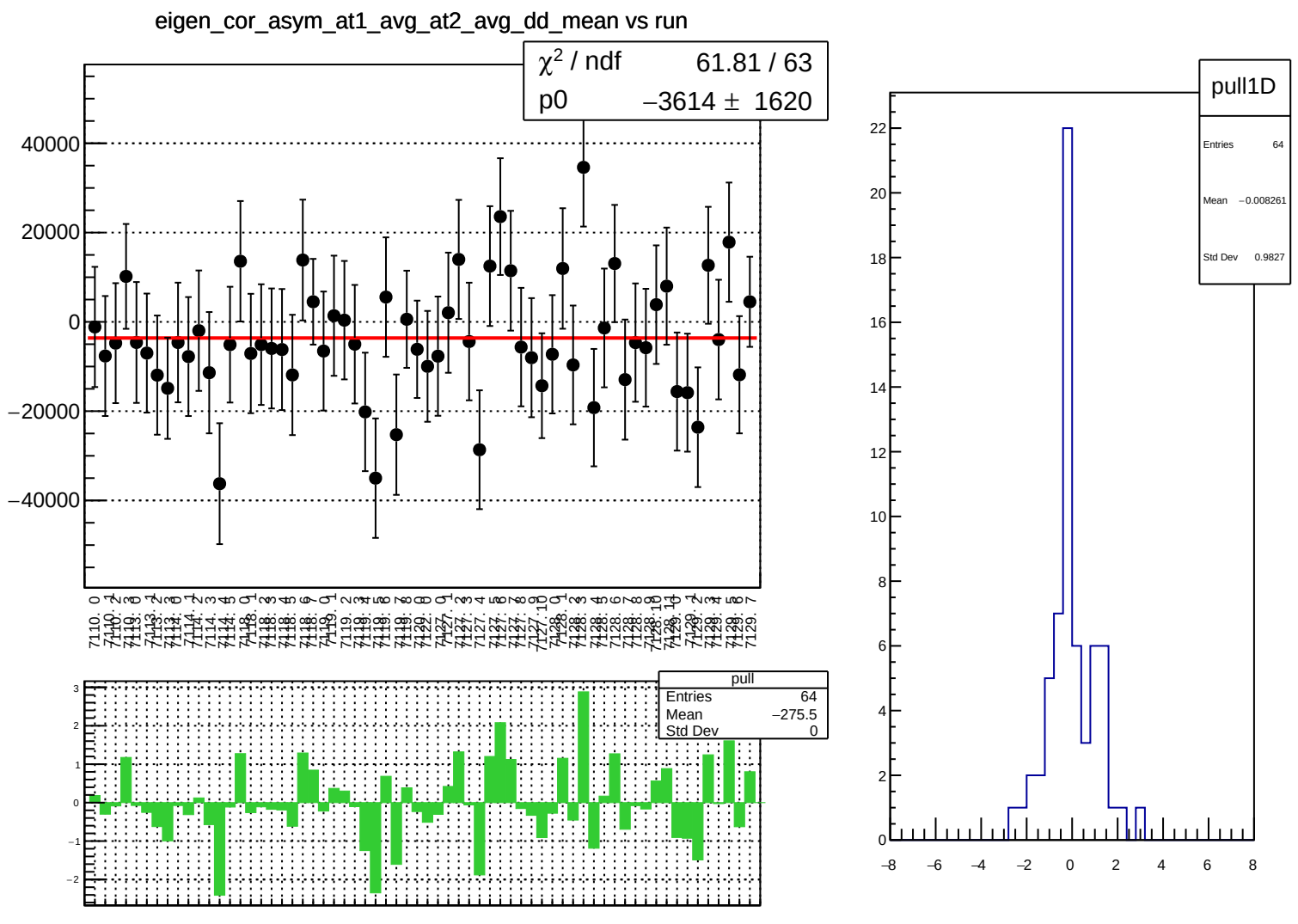

pull1D
Entries 64
Mean −0.008261
Std Dev 0.9827
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

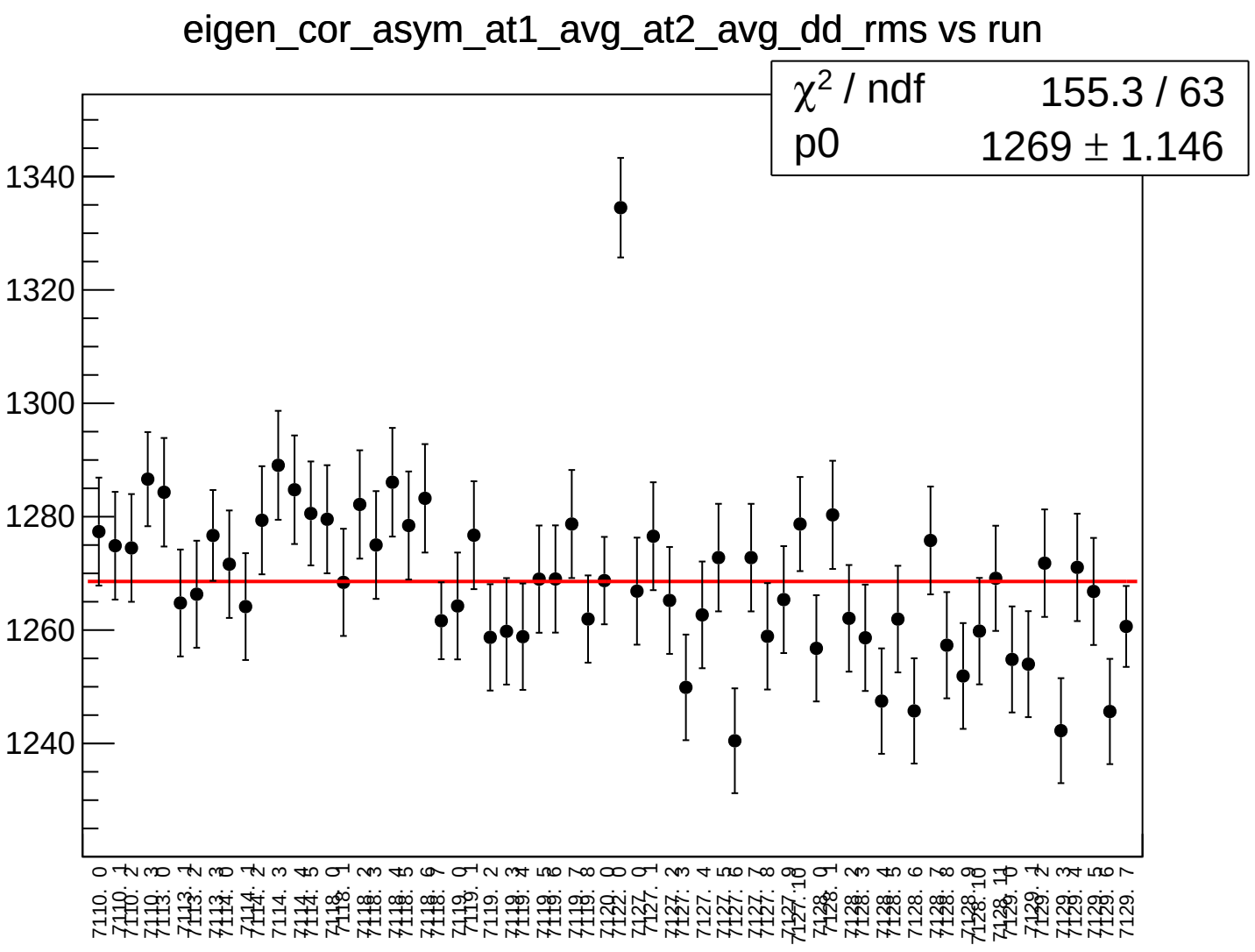

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ^2 / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

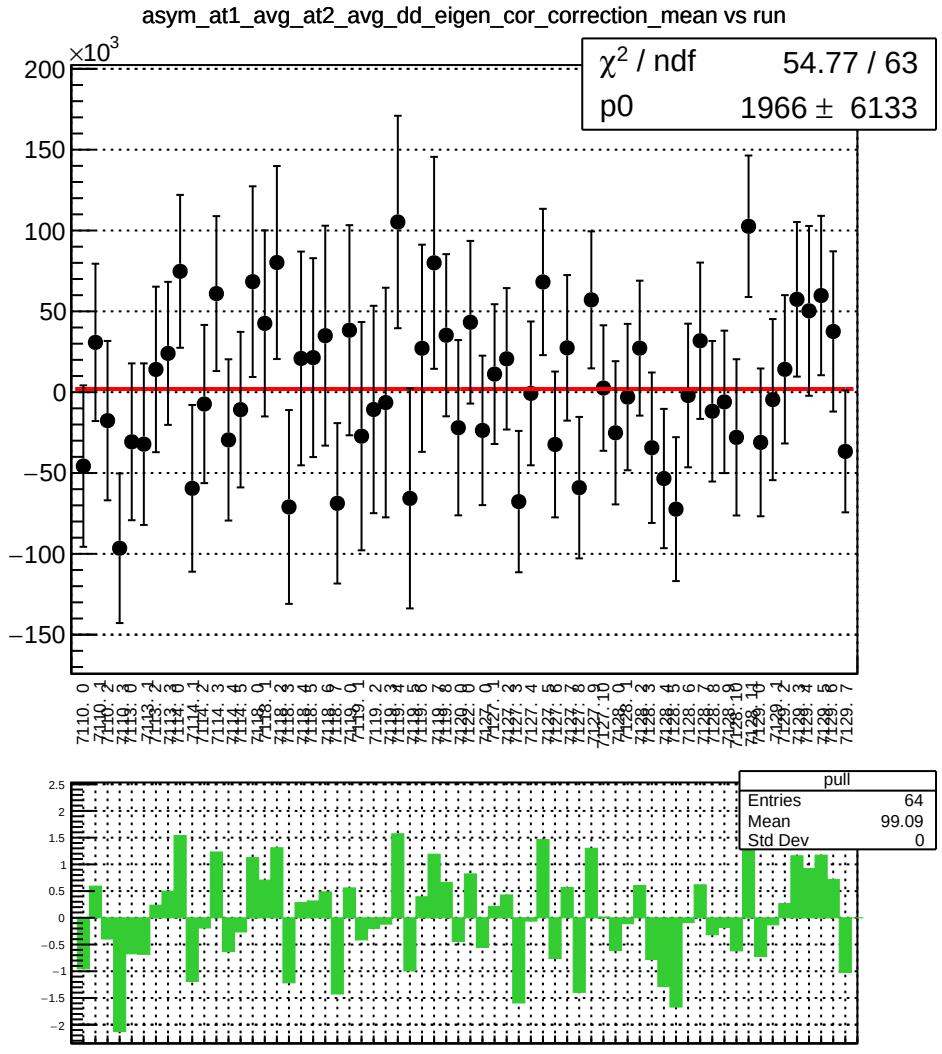

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.09
Std Dev 0

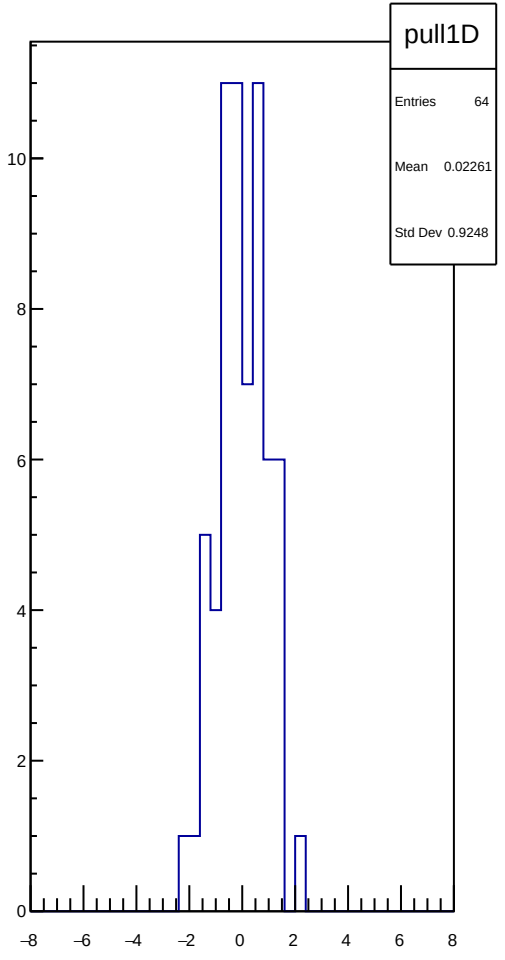

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

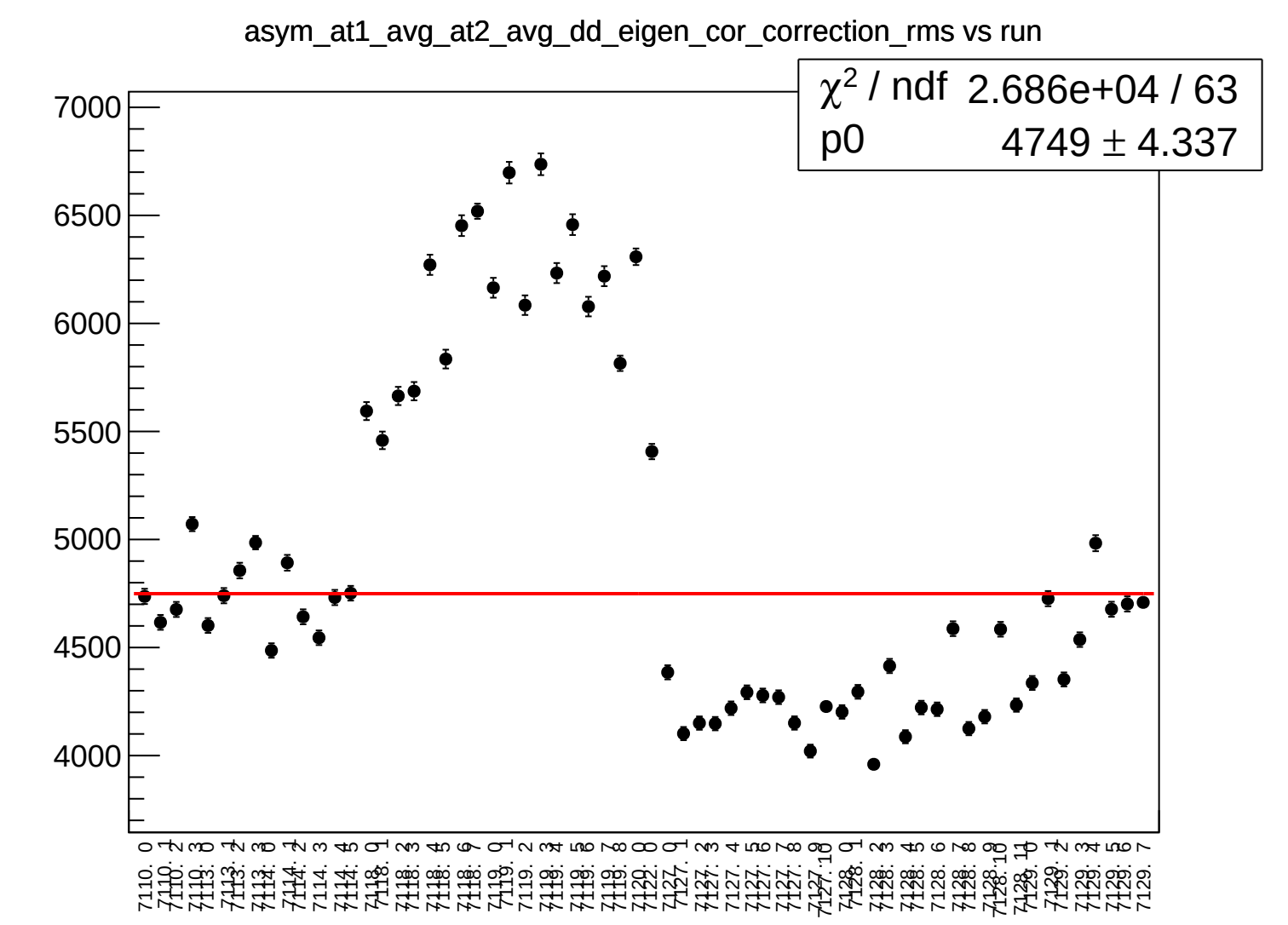

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

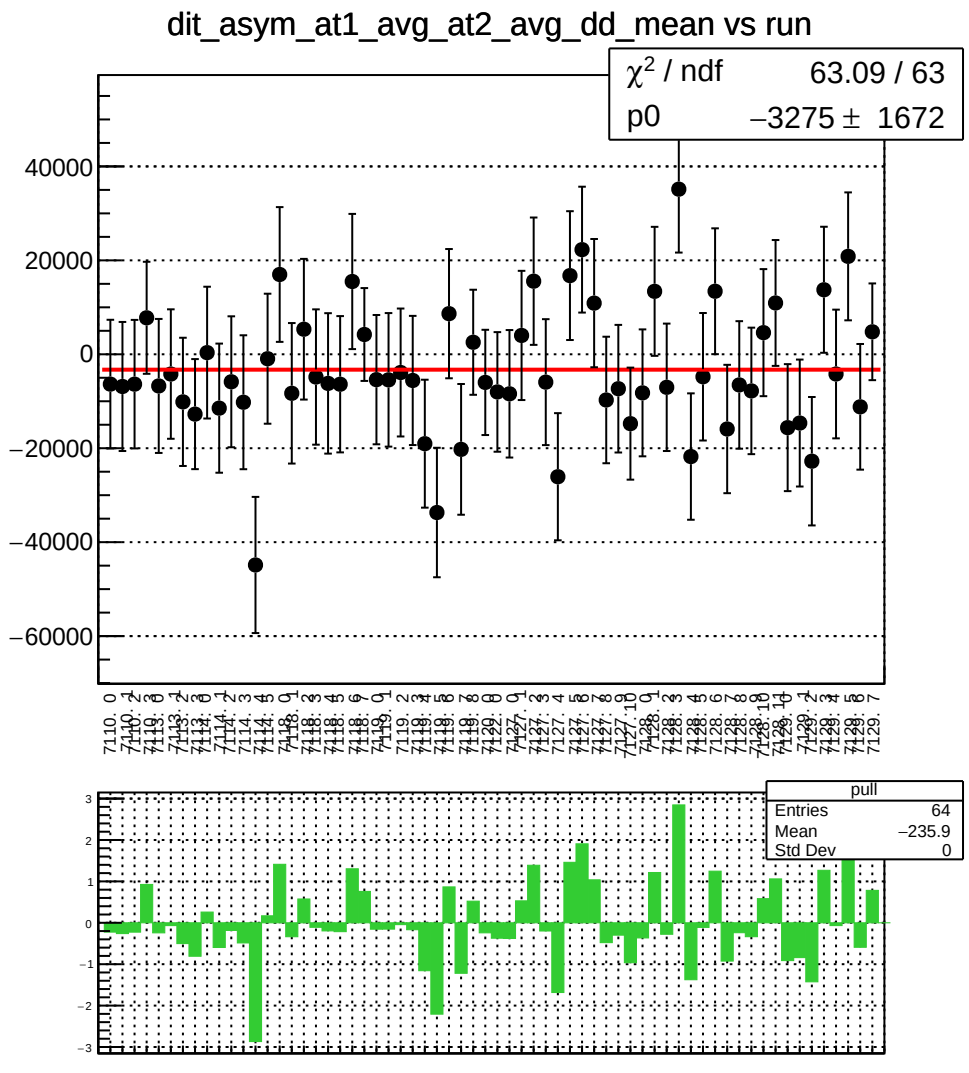

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 61.81 / 63
p0 −3614 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.5
Std Dev 0
pull1D
Entries 64
Mean −0.008261
Std Dev 0.9827

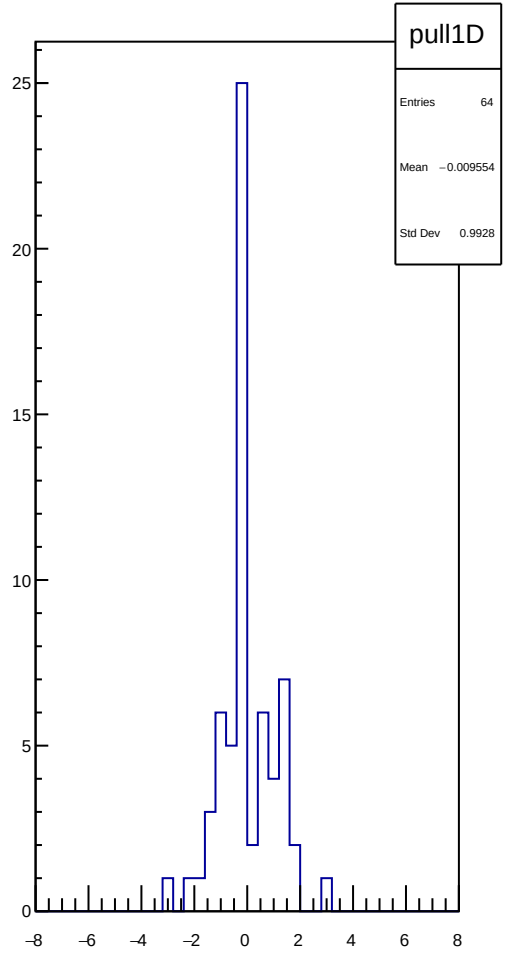

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

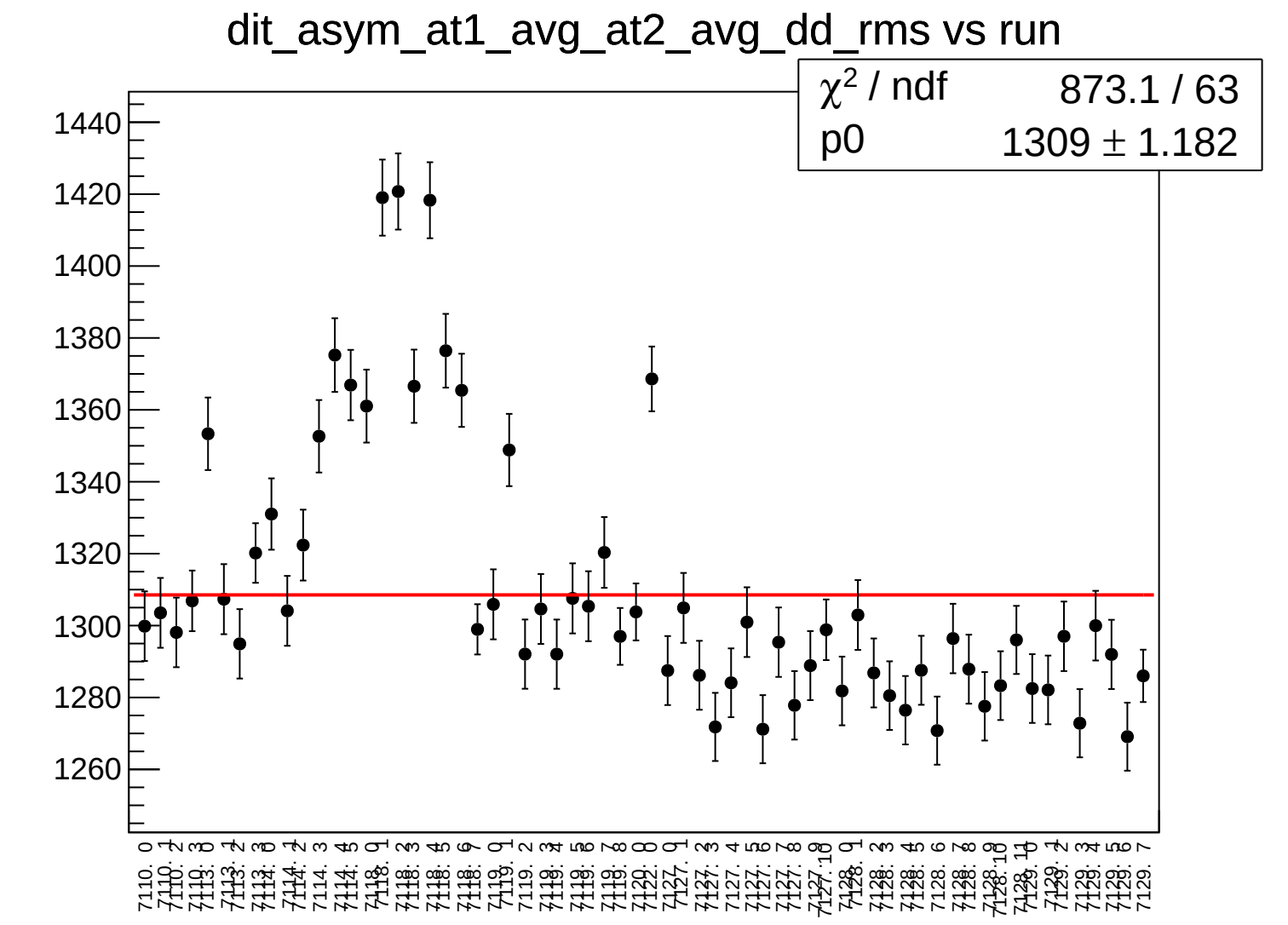

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.09
Std Dev 0

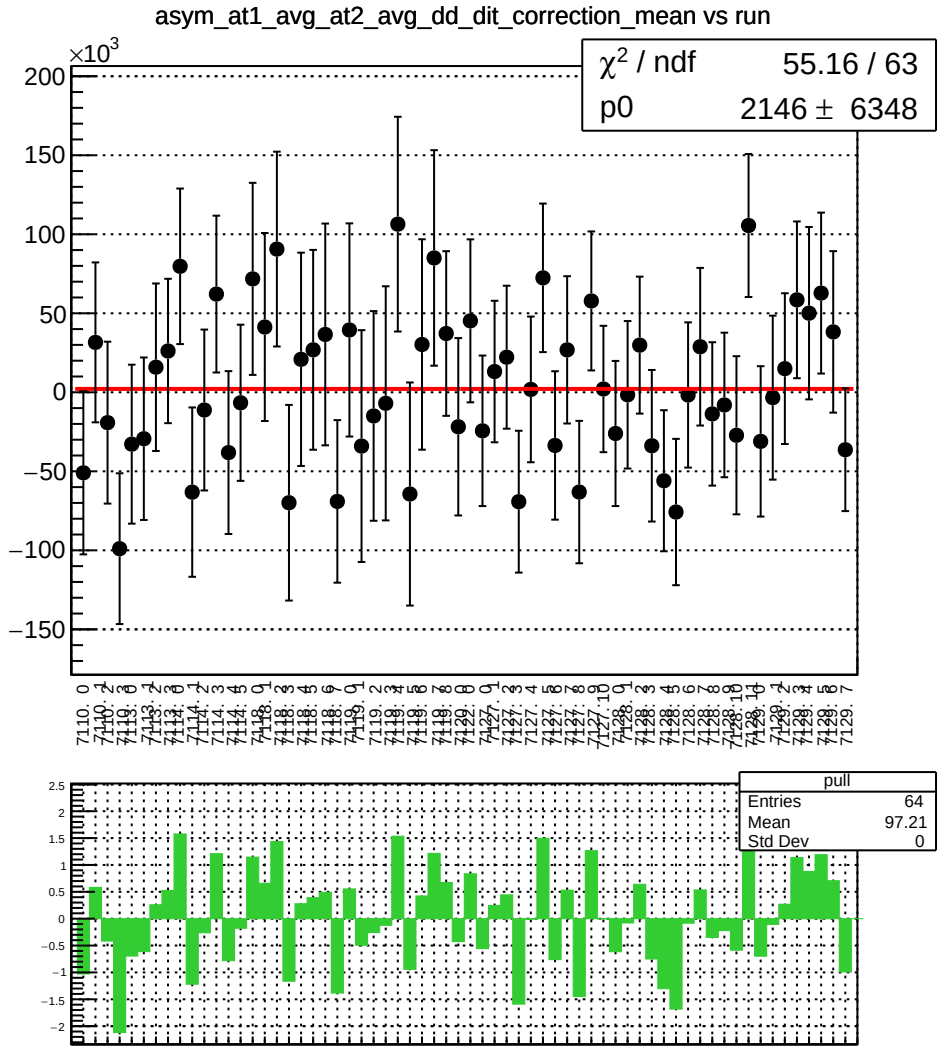

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

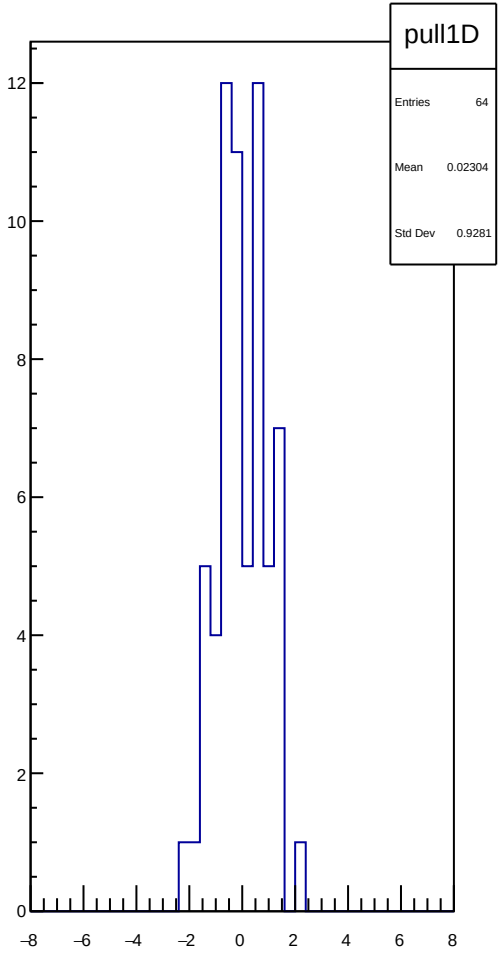

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

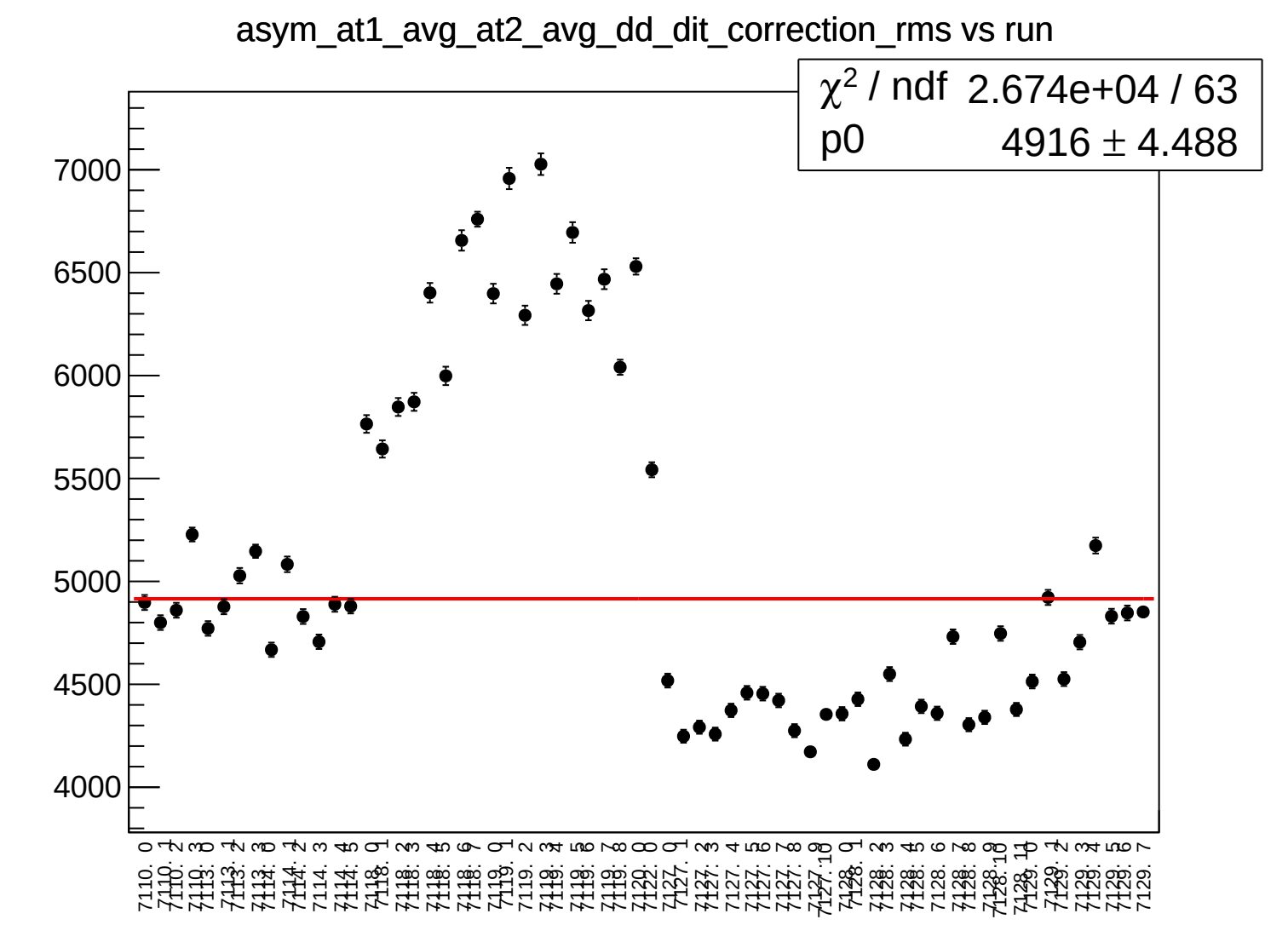

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 63.09 / 63
p0 −3275 ± 1672
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −235.9
Std Dev 0
3
2
1
0
−1
−2
−3

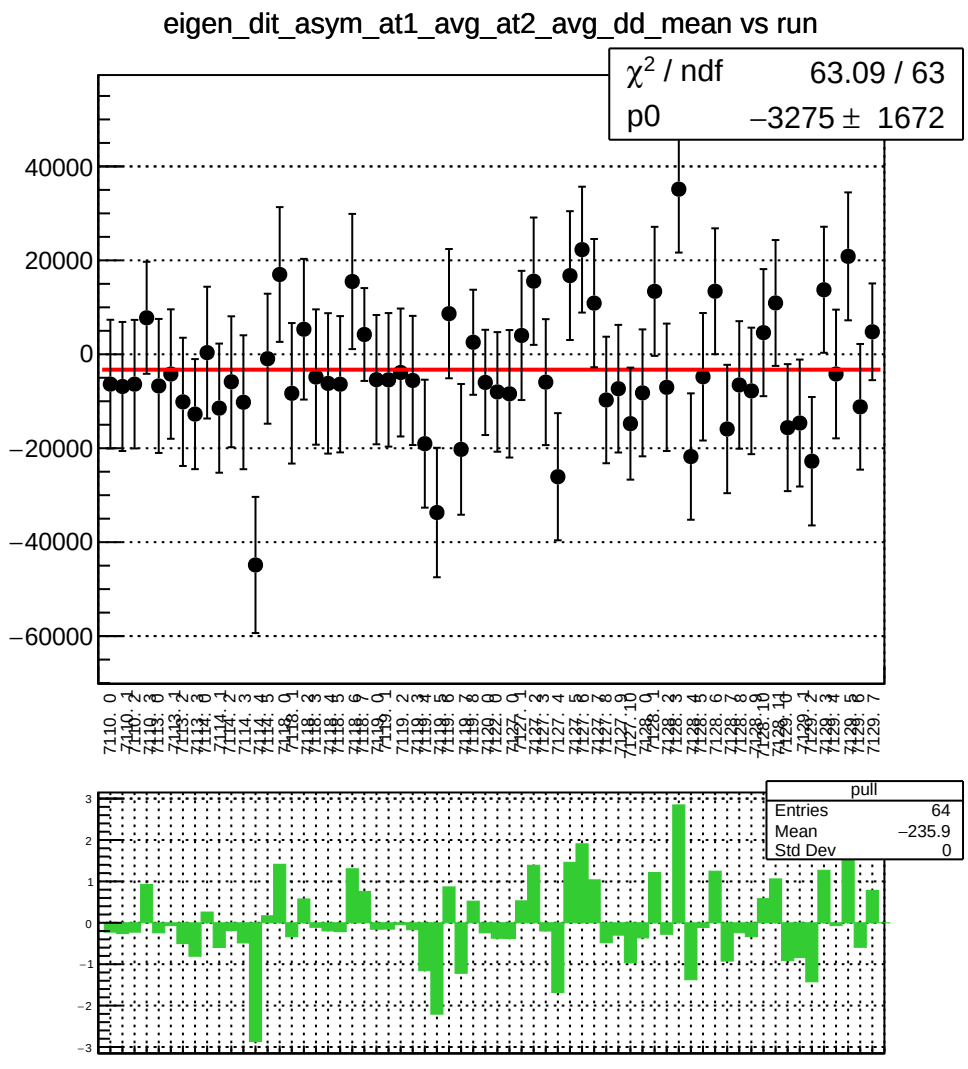

pull1D
Entries 64
Mean −0.009554
Std Dev 0.9928
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

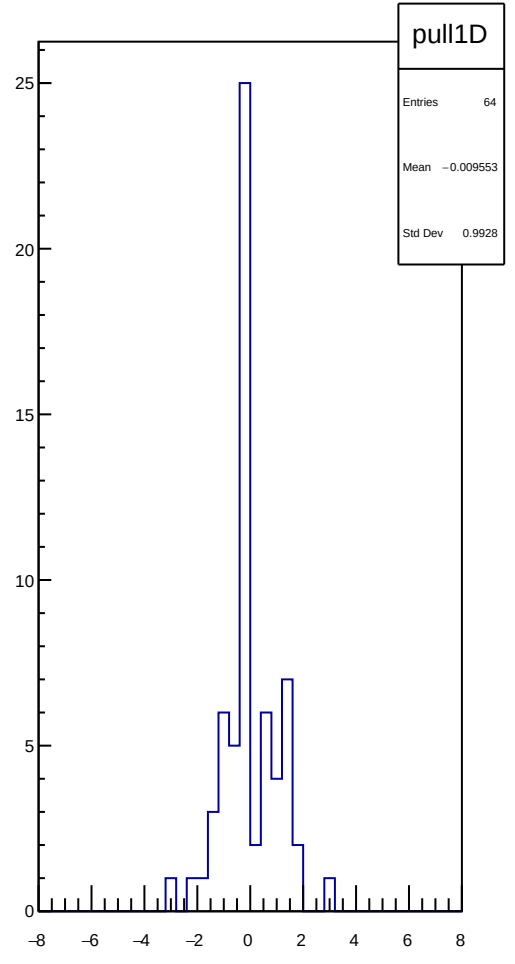

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 873.1 / 63
p0 1309 ± 1.182
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260

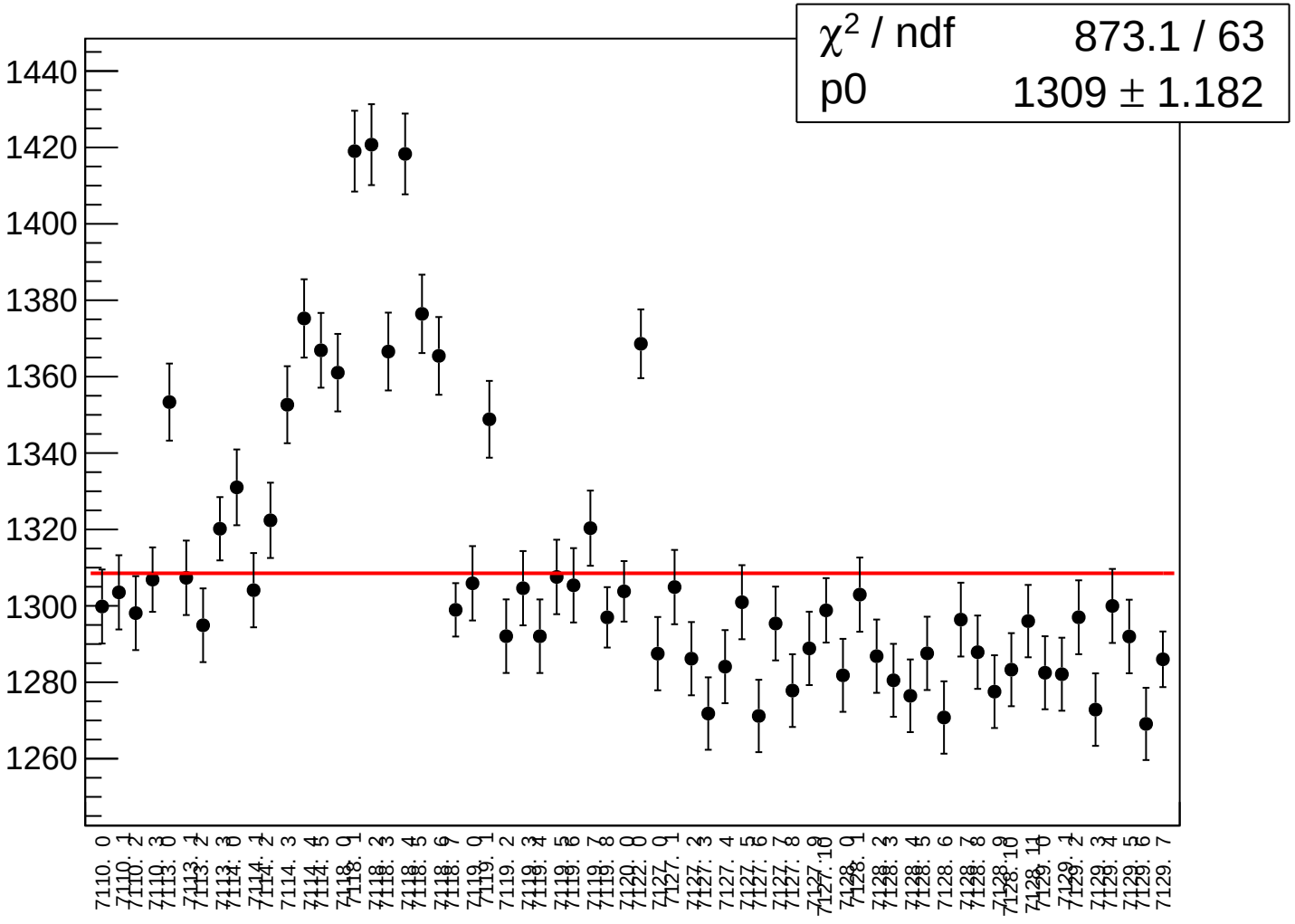

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
χ² / ndf 55.16 / 63
p0 2146 ± 6348
pull
Entries 64
Mean 97.21
Std Dev 0

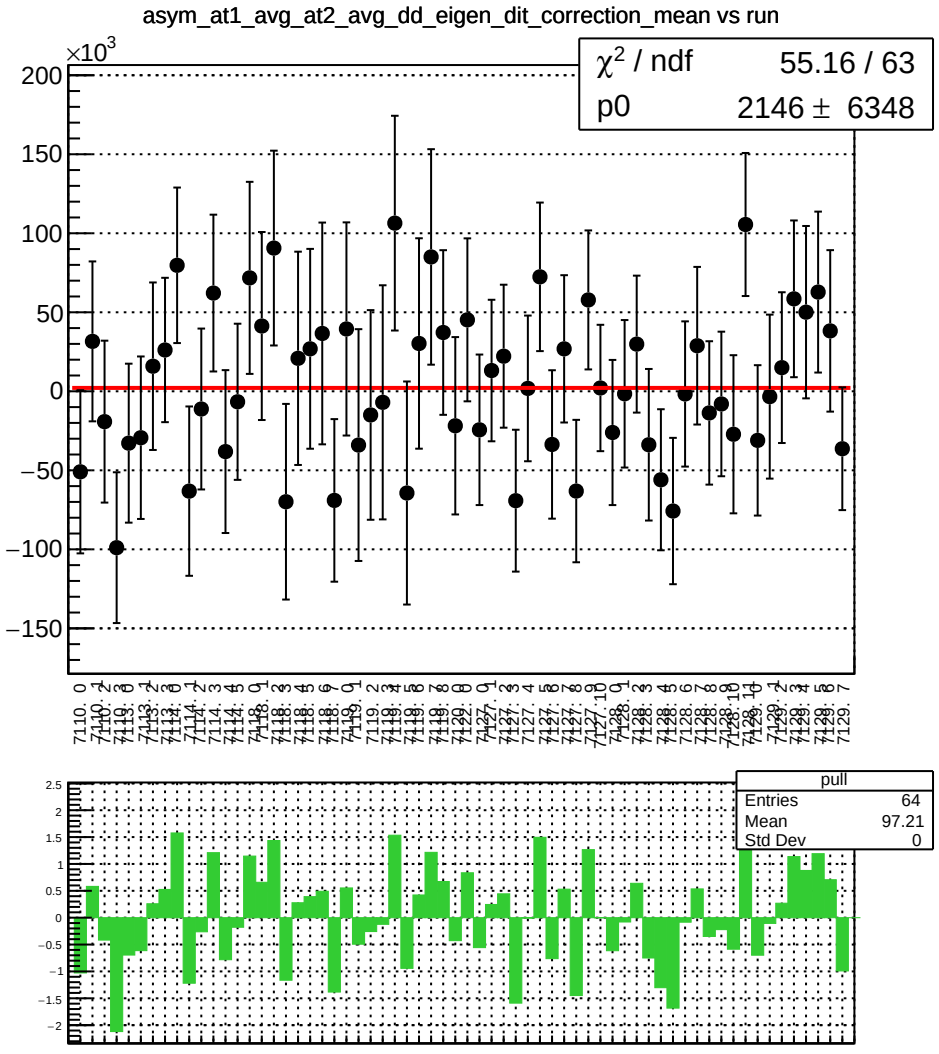

pull1D
Entries 64
Mean 0.02304
Std Dev 0.9281

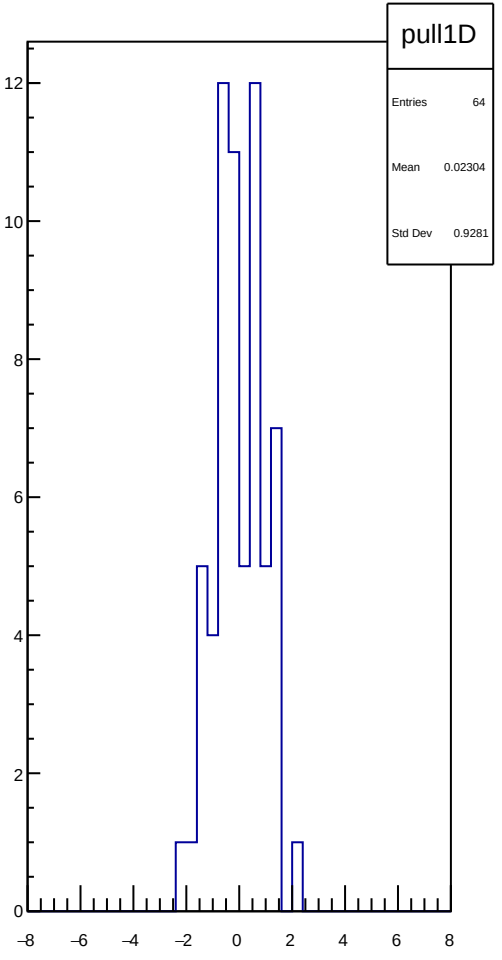

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 2.674e+04 / 63
p0 4916 ± 4.488
7000
6500
6000
5500
5000
4500
4000

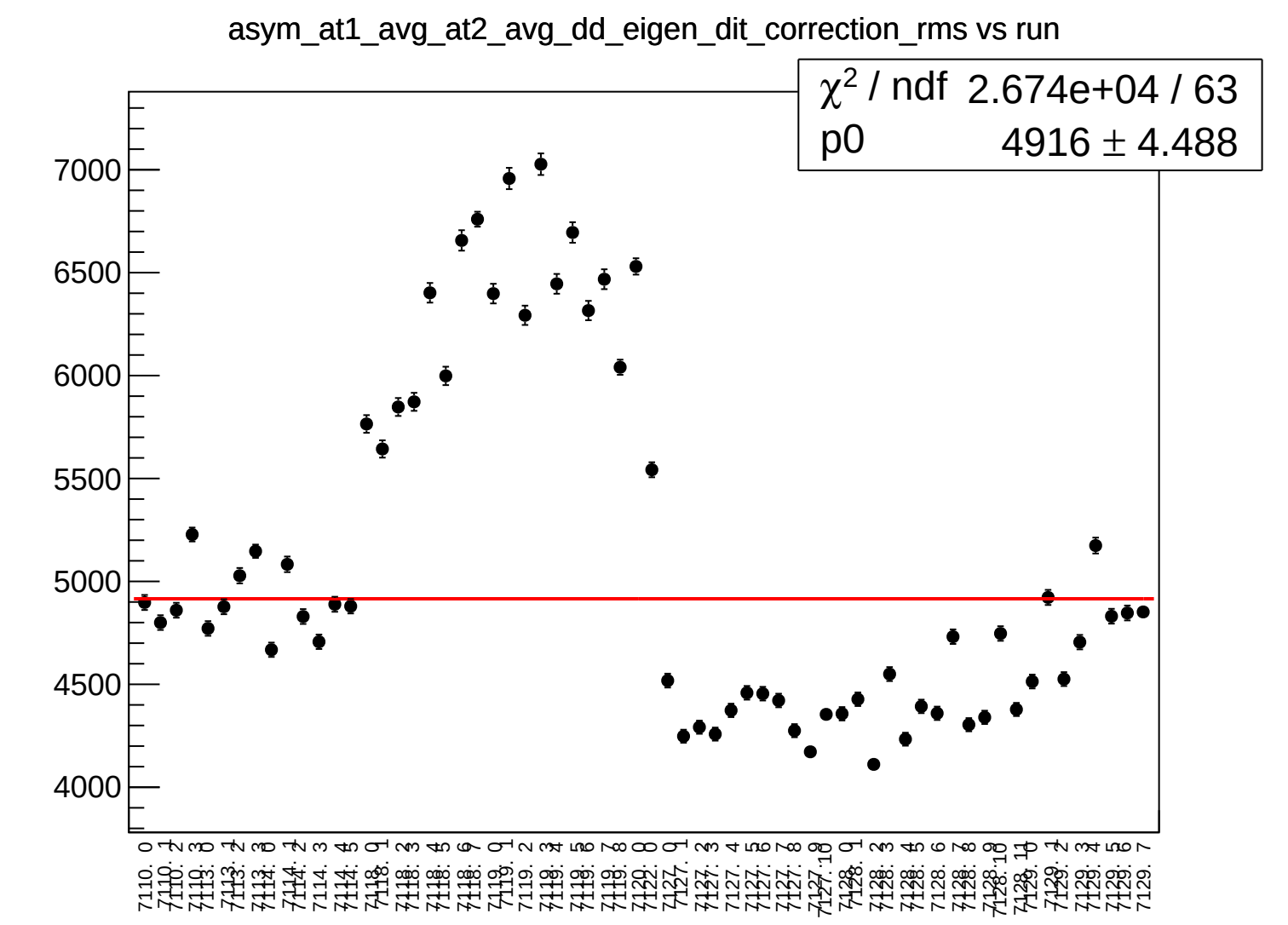

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 63.09 / 63
p0 −3275 ± 1672
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −235.9
Std Dev 0
3
2
1
0
−1
−2
−3

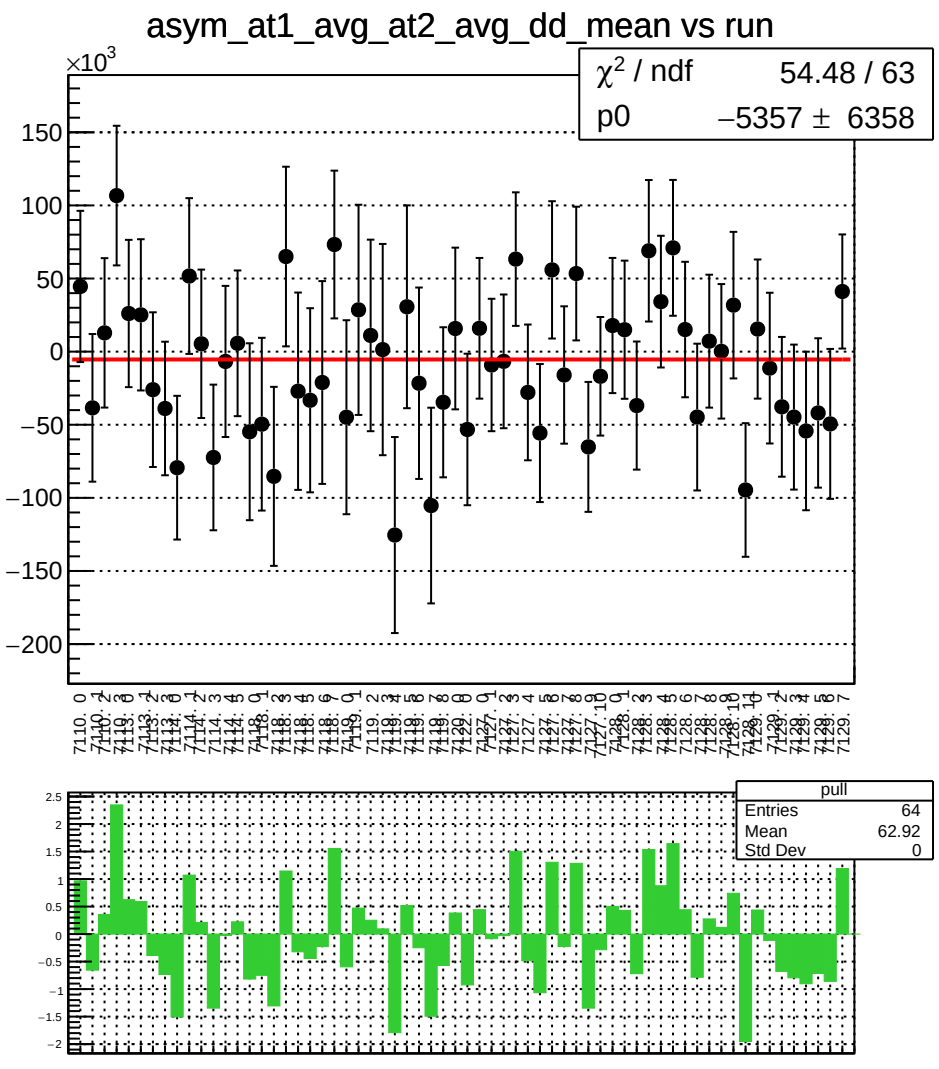

pull1D
Entries 64
Mean −0.009553
Std Dev 0.9928
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

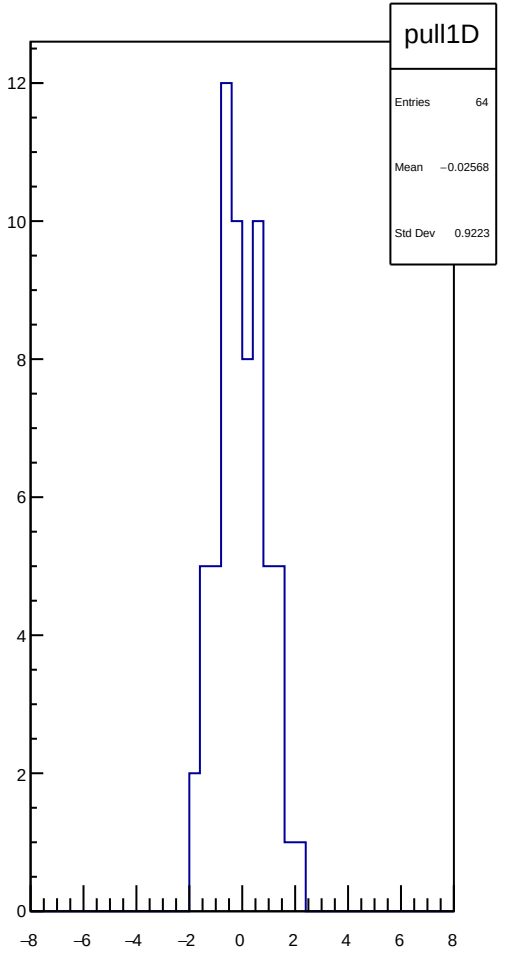

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 873.1 / 63
p0 1309 ± 1.182
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260

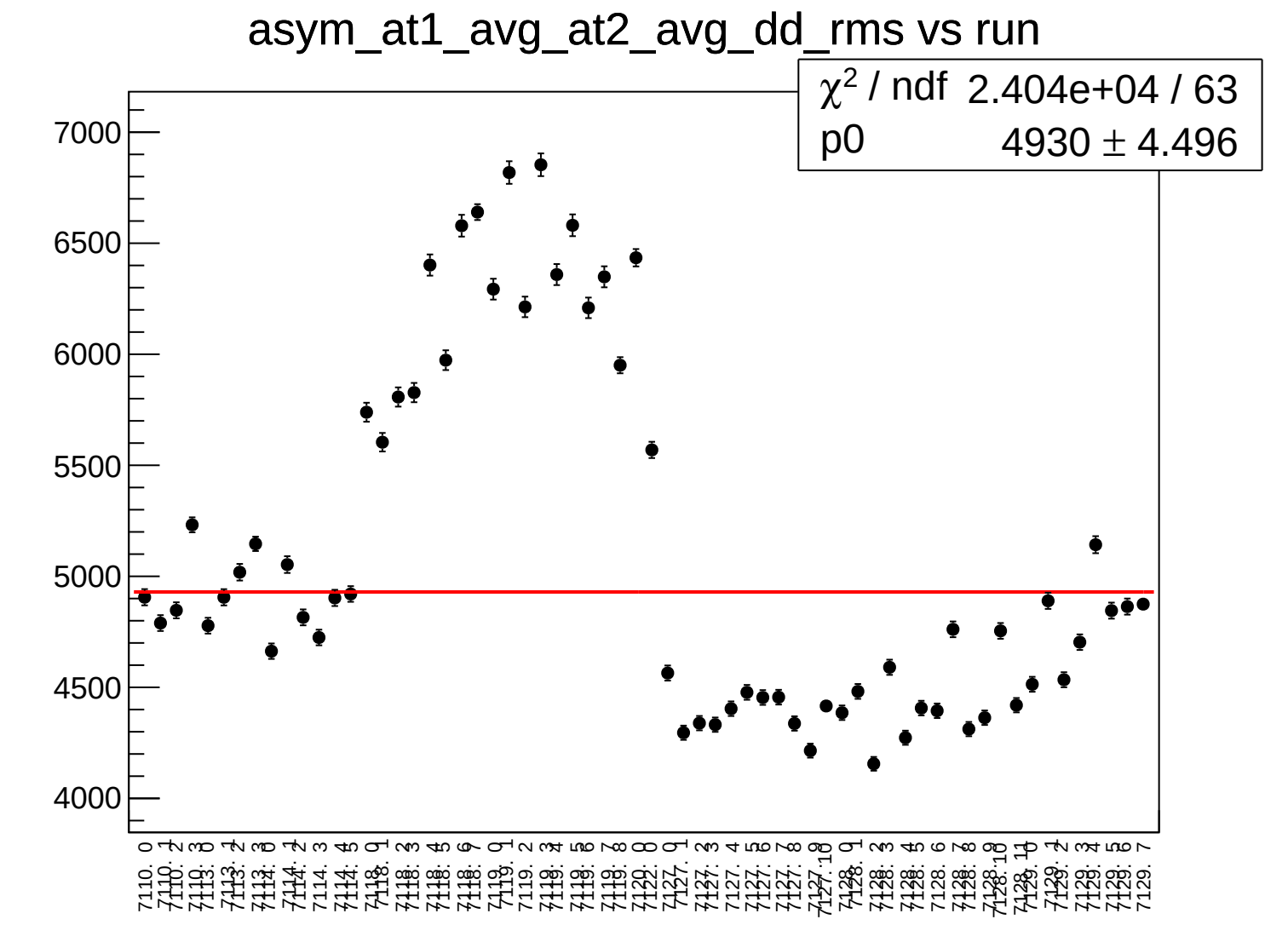

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.16 / 63
p0 2146 ± 6348
pull
Entries 64
Mean 97.21
Std Dev 0

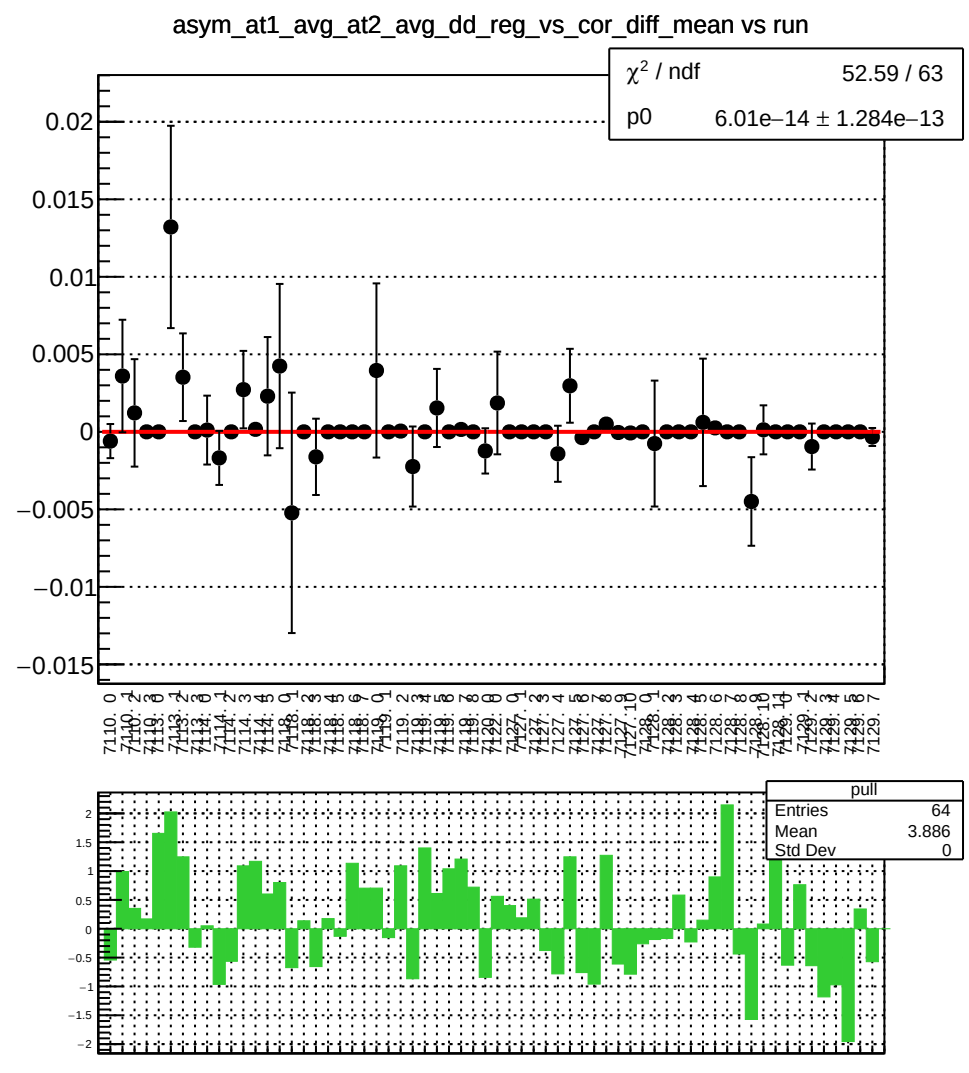

pull1D
Entries 64
Mean 0.02304
Std Dev 0.9281

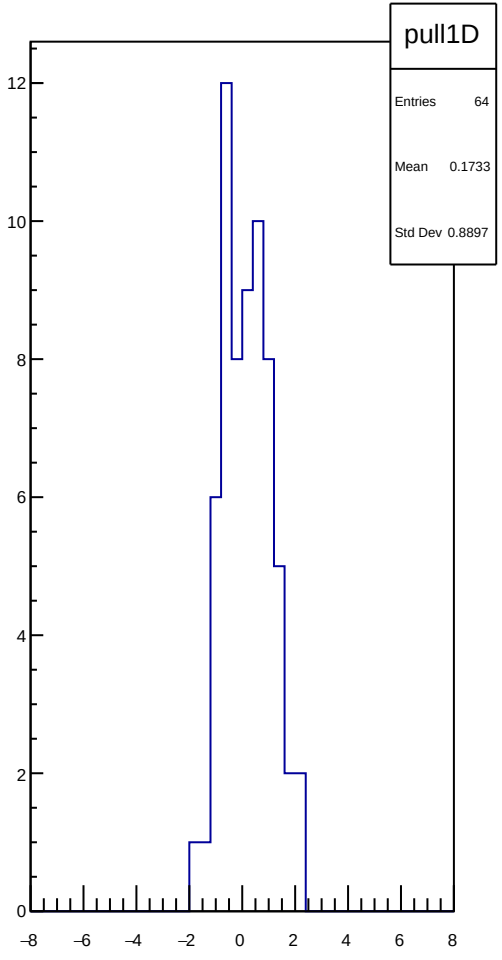

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.674e+04 / 63
p0 4916 ± 4.488
7000
6500
6000
5500
5000
4500
4000

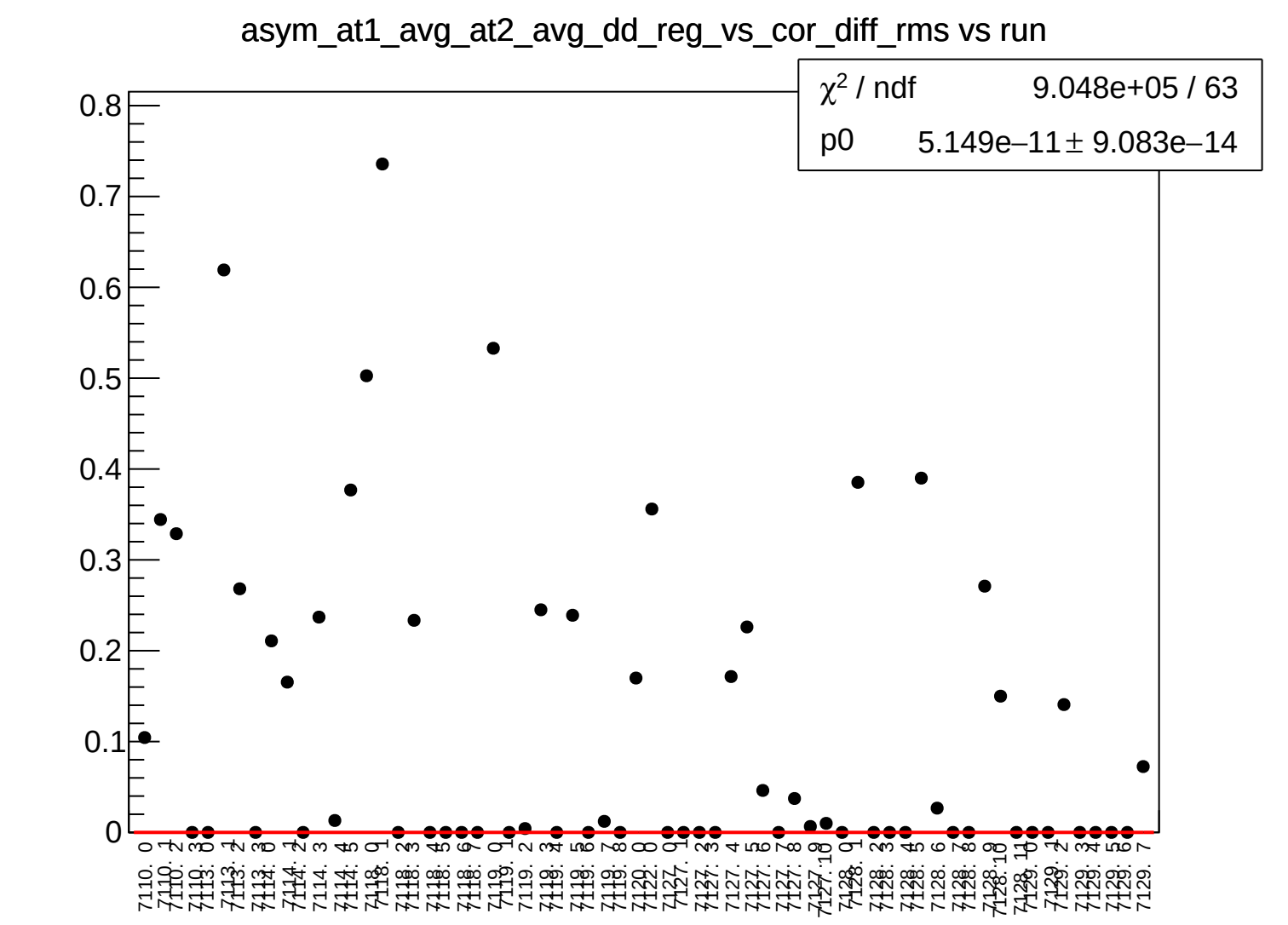

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 54.48 / 63
p0 −5357 ± 6358
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 62.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

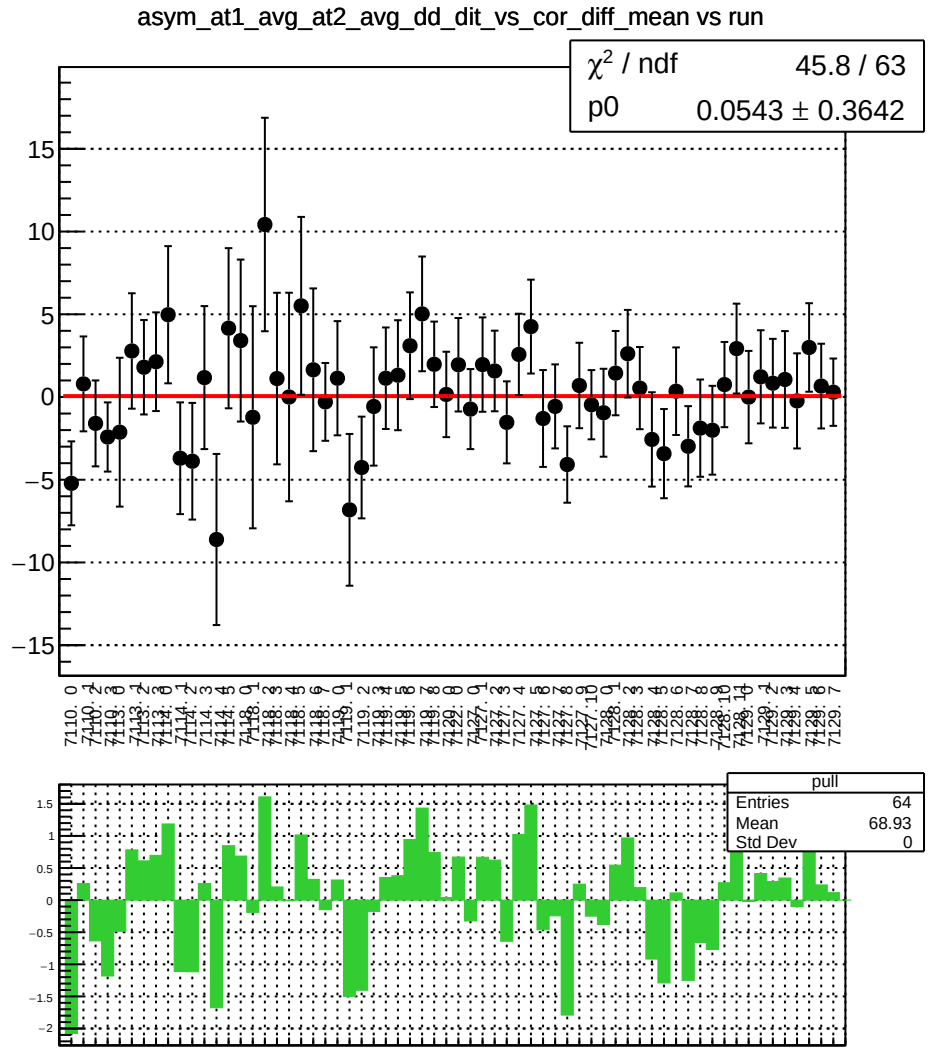

pull1D
Entries 64
Mean −0.02568
Std Dev 0.9223
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

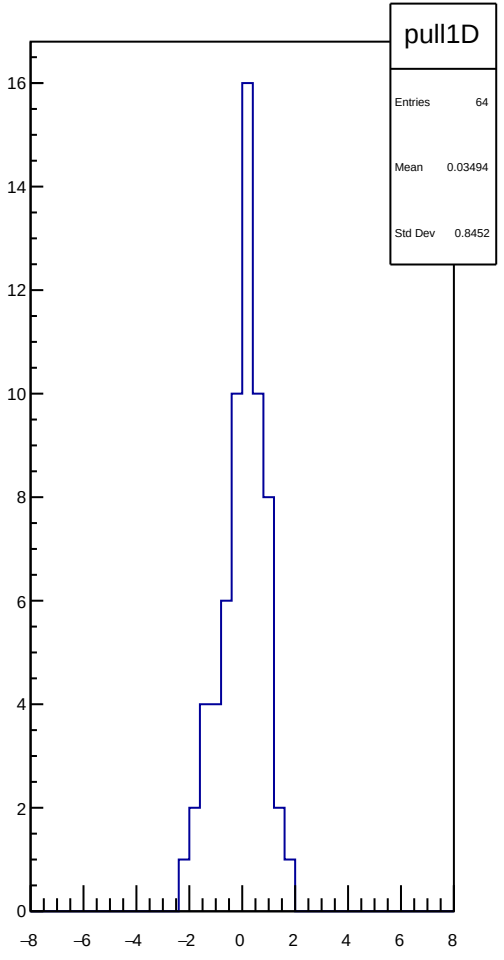

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2.404e+04 / 63
p0 4930 ± 4.496
7000
6500
6000
5500
5000
4500
4000

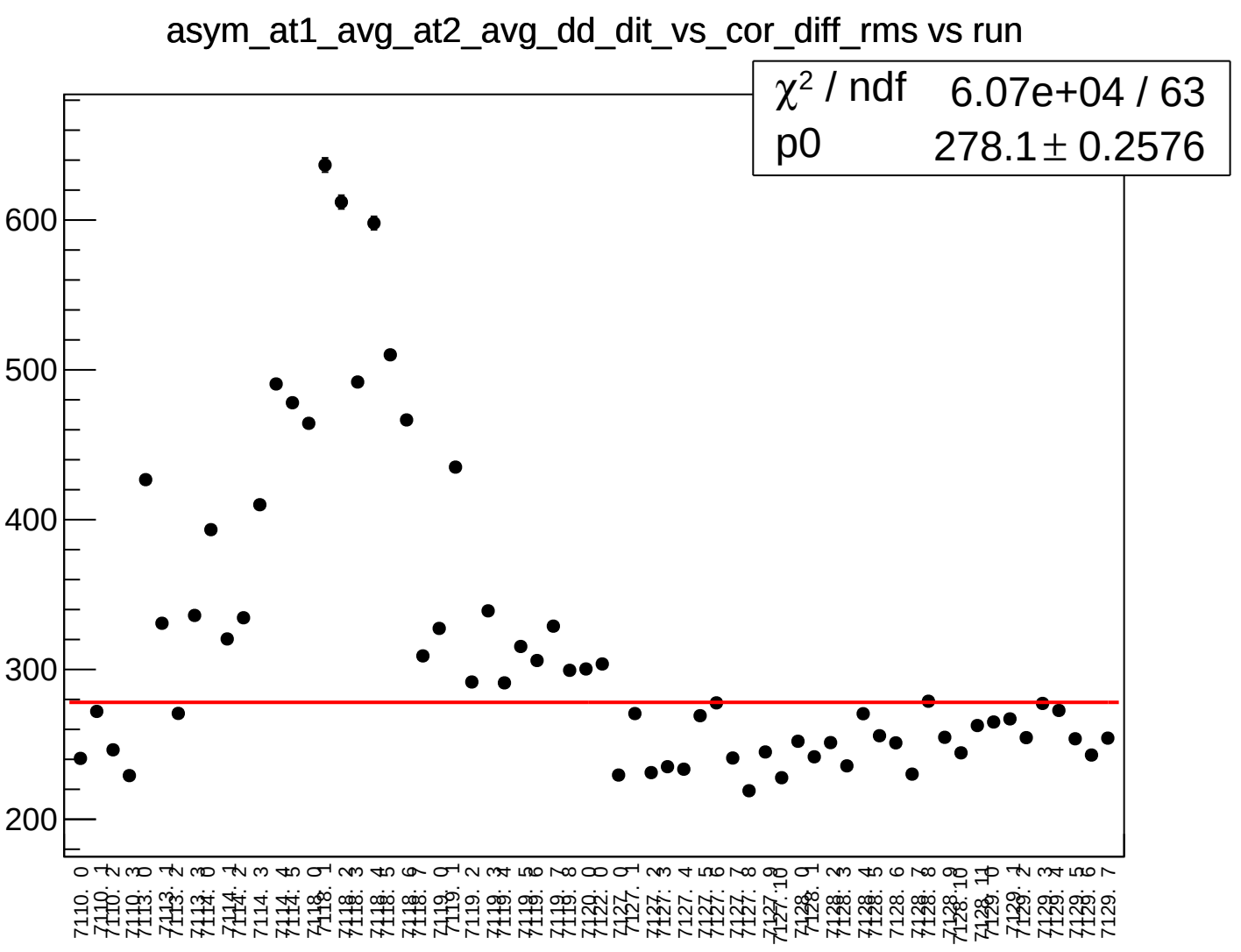

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.59 / 63
p0 6.01e−14 ± 1.284e−13
pull
Entries 64
Mean 3.886
Std Dev 0

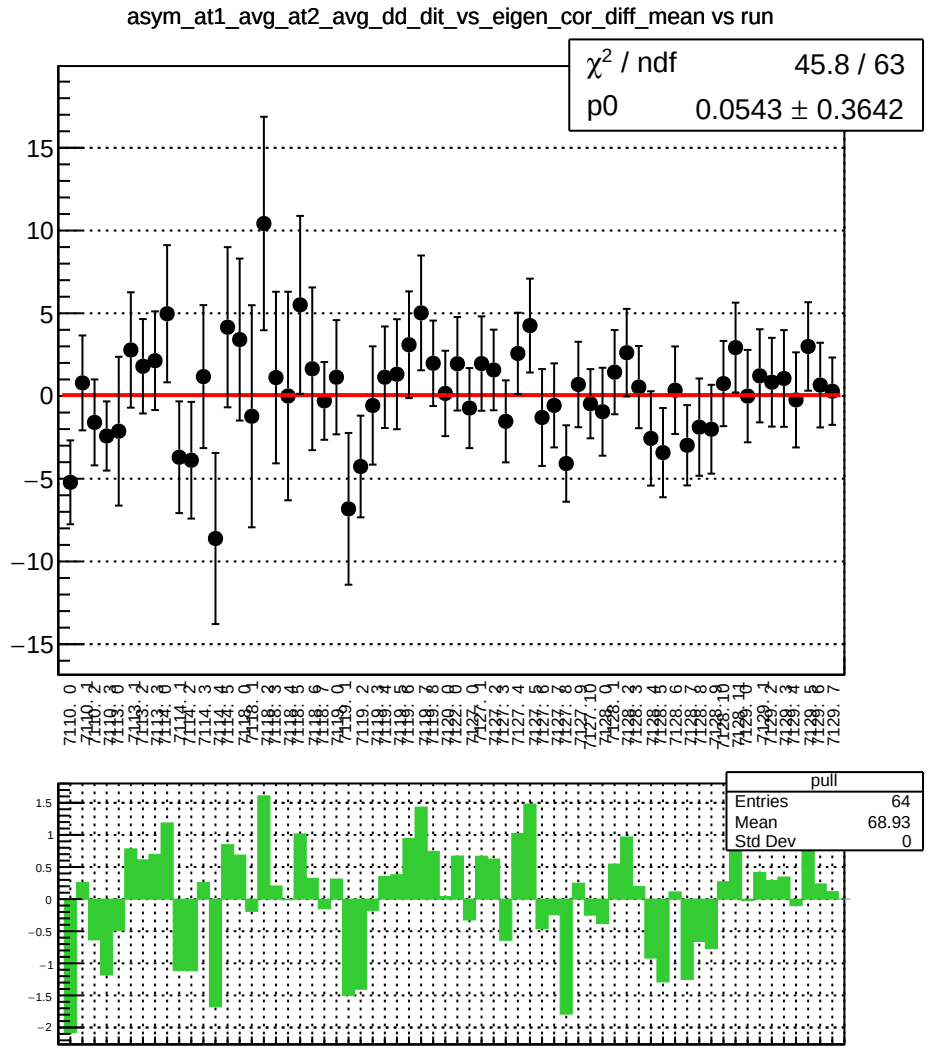

pull1D
Entries 64
Mean 0.1733
Std Dev 0.8897

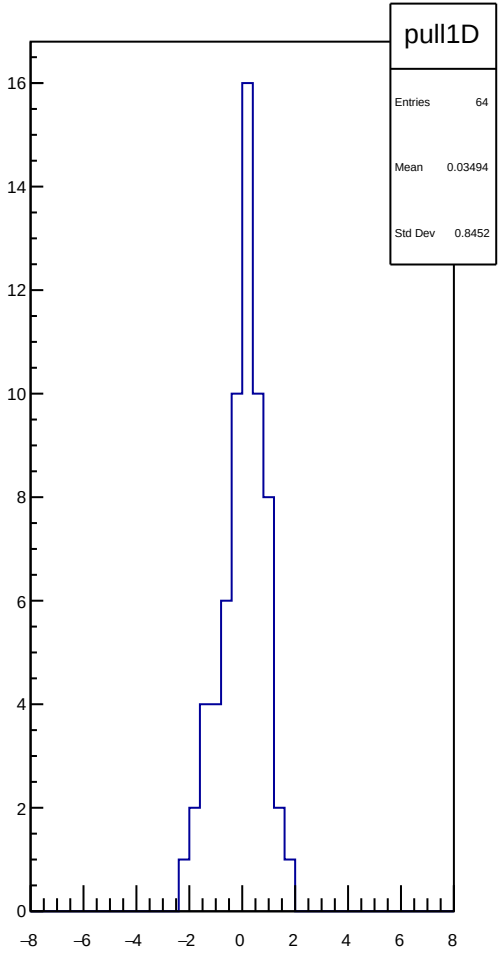

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.048e+05 / 63
p0 5.149e−11 ± 9.083e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

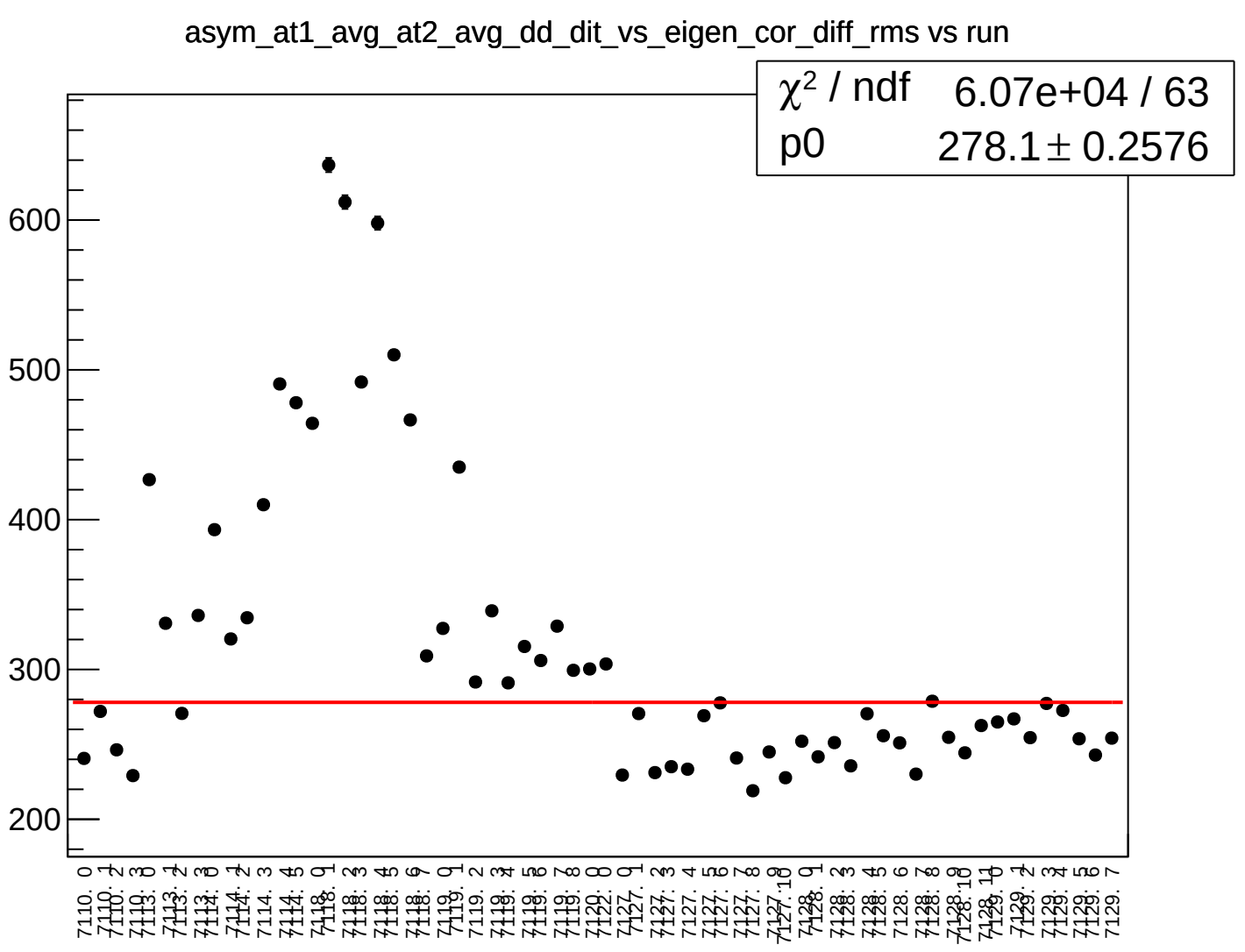

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.0543 ± 0.3642
pull
Entries 64
Mean 68.93
Std Dev 0

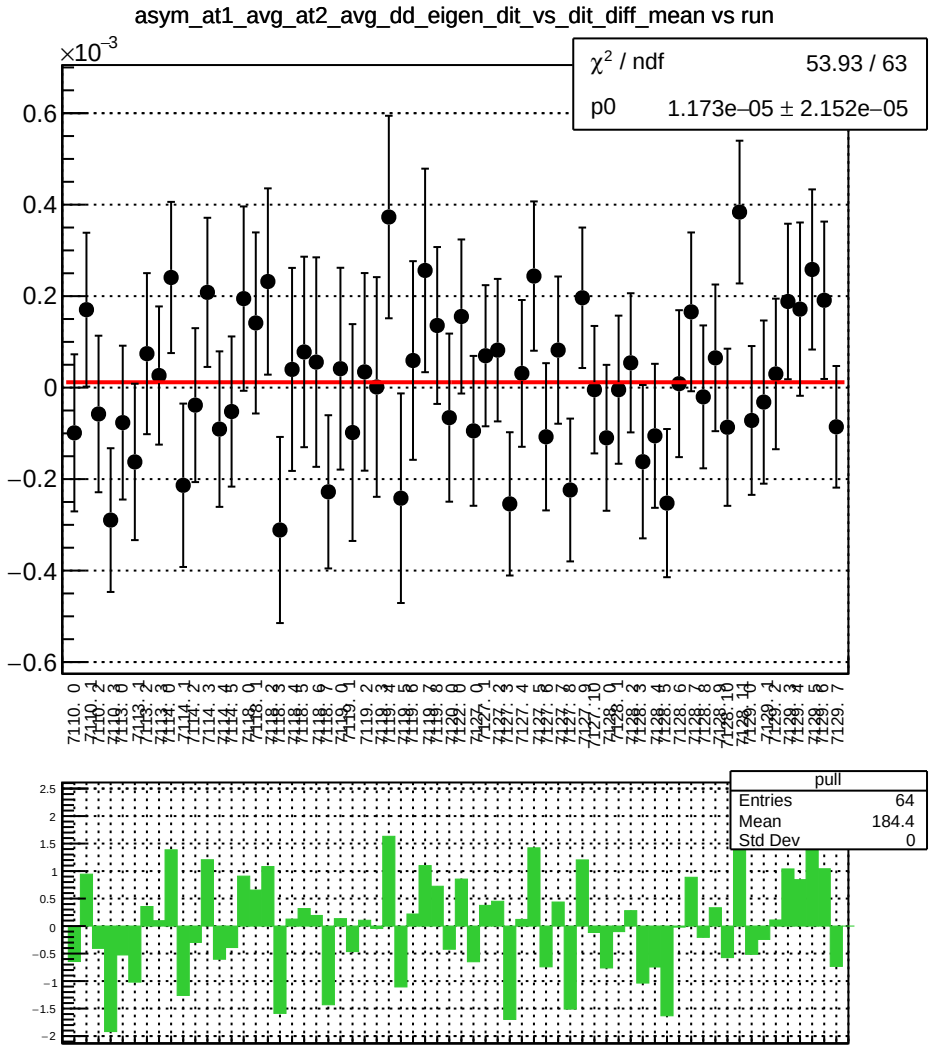

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

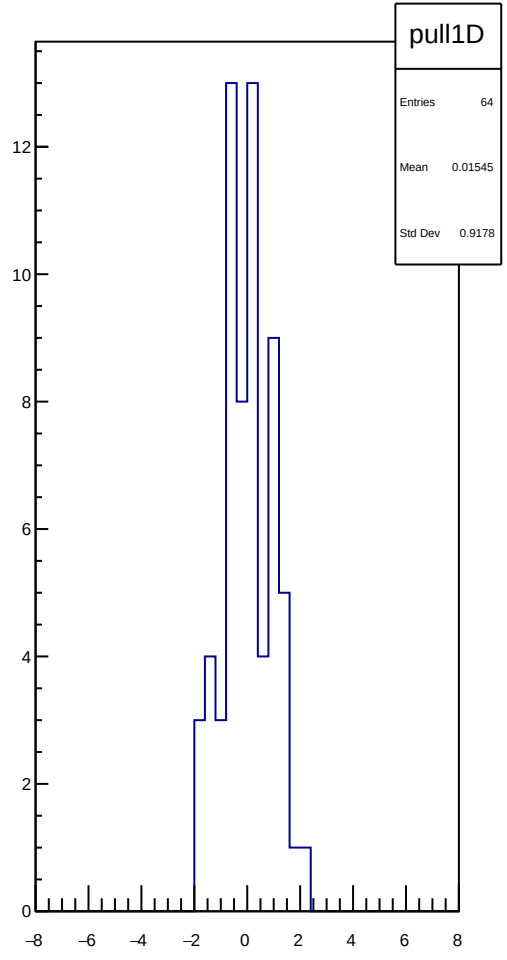

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

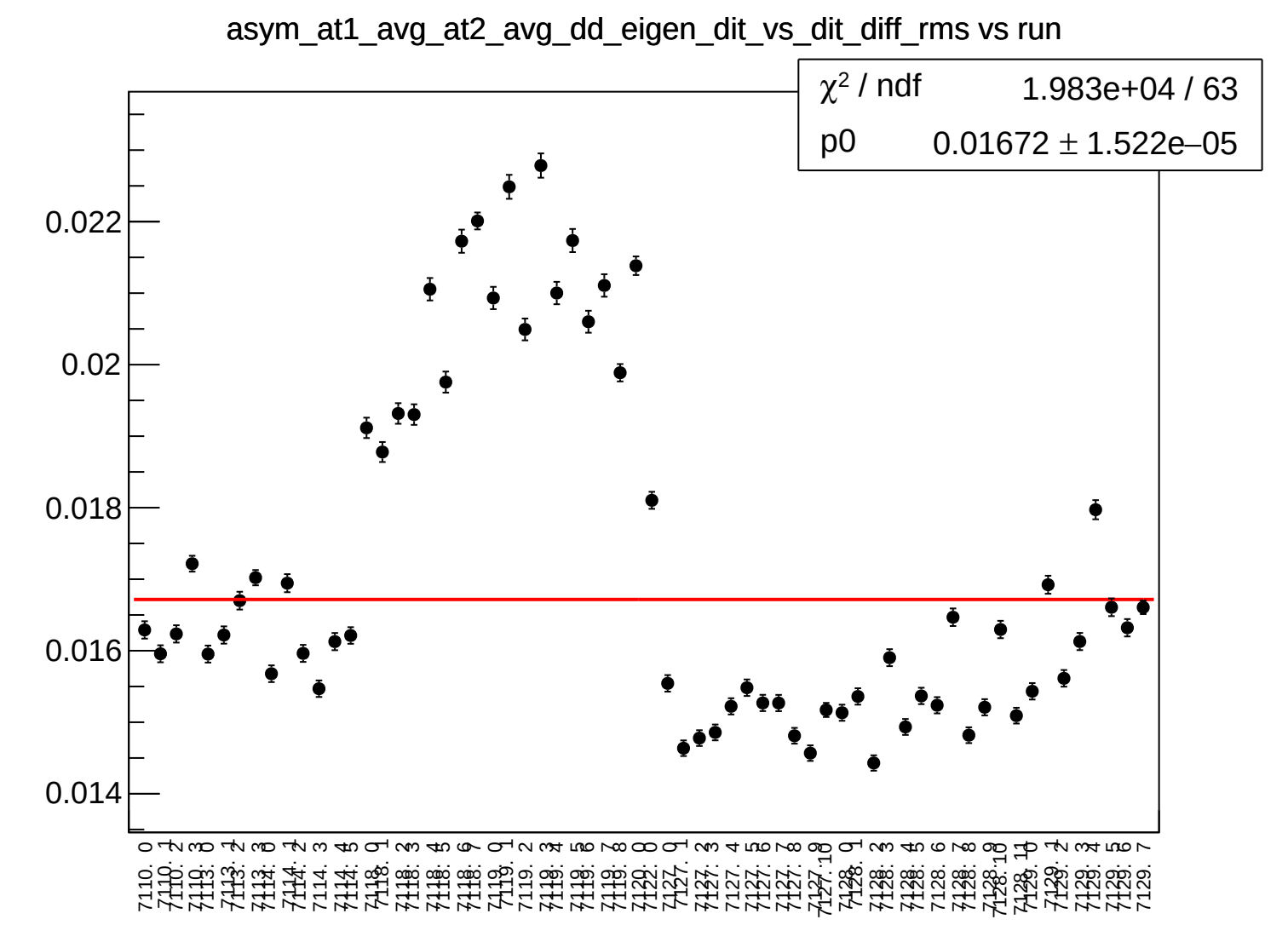

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.0543 ± 0.3642
pull
Entries 64
Mean 68.93
Std Dev 0

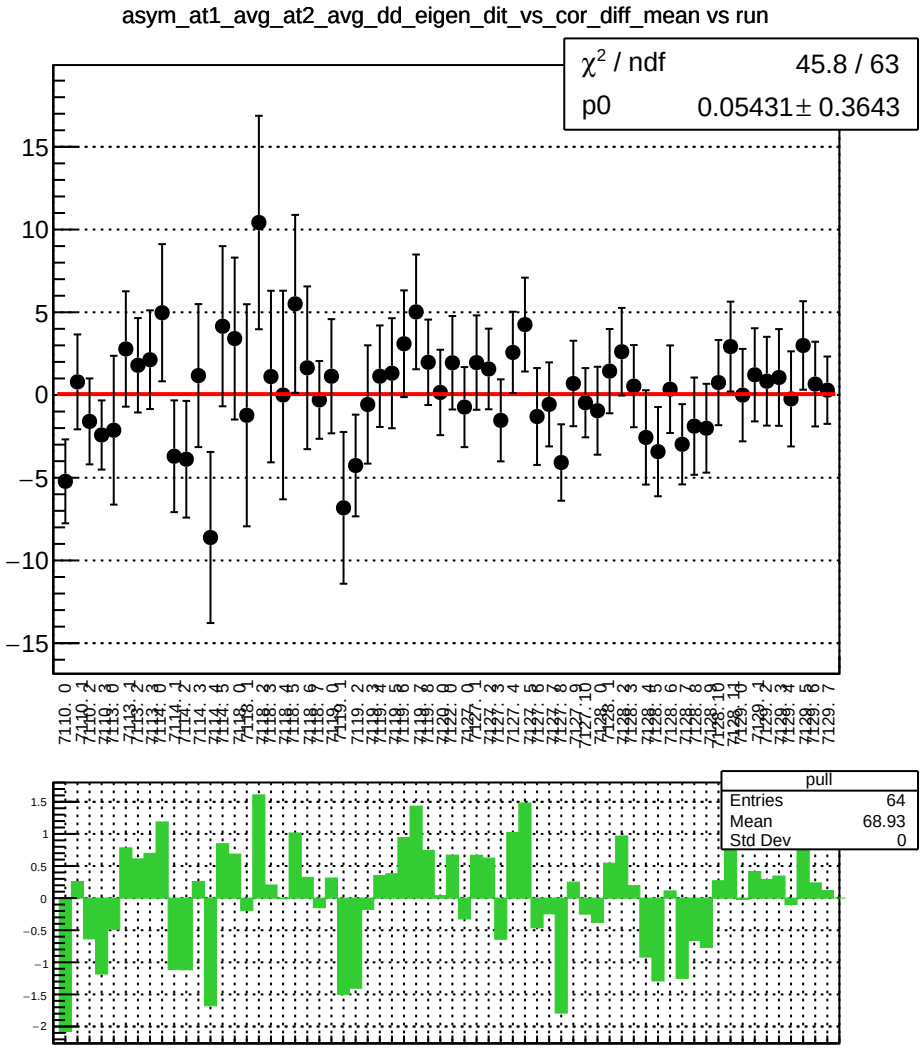

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

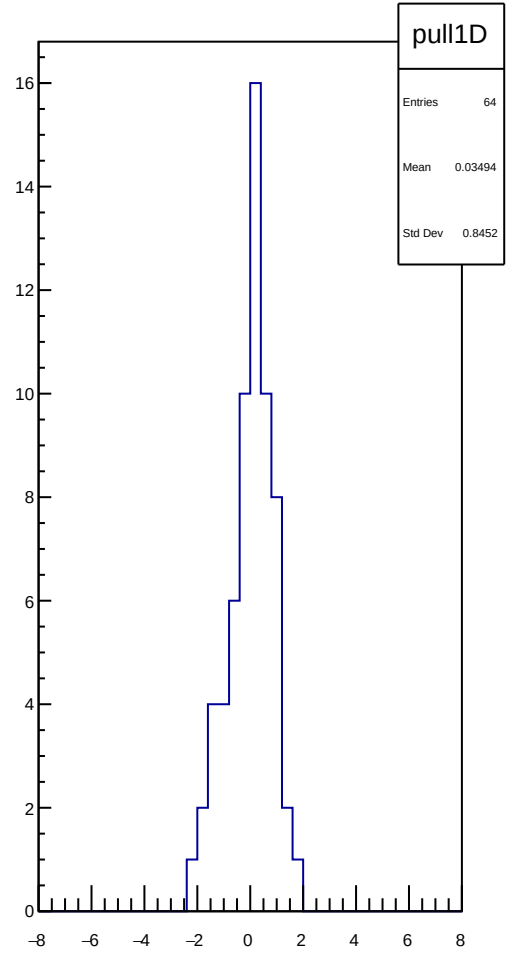

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

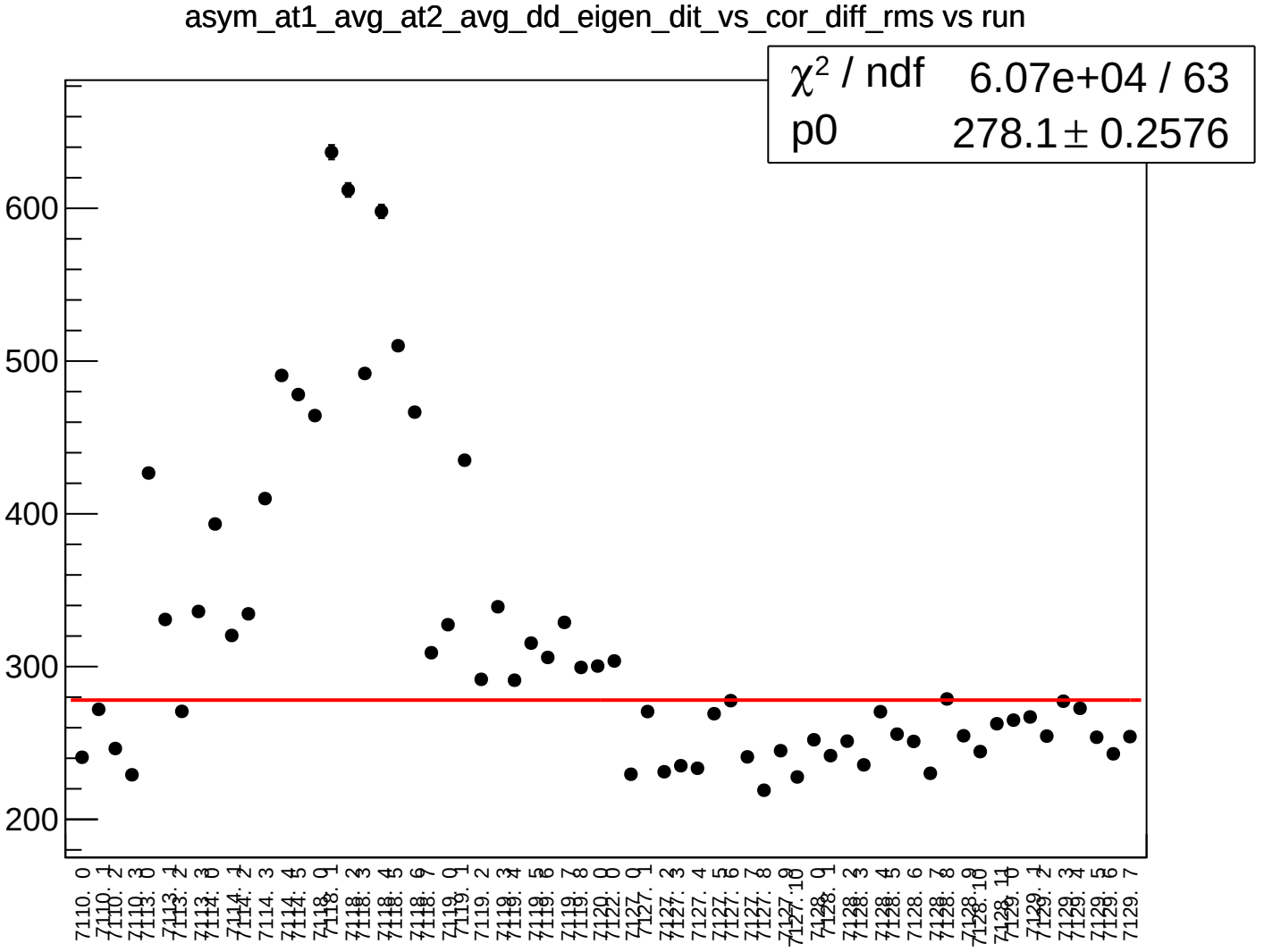

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.93 / 63
p0 1.173e−05 ± 2.152e−05
pull
Entries 64
Mean 184.4
Std Dev 0

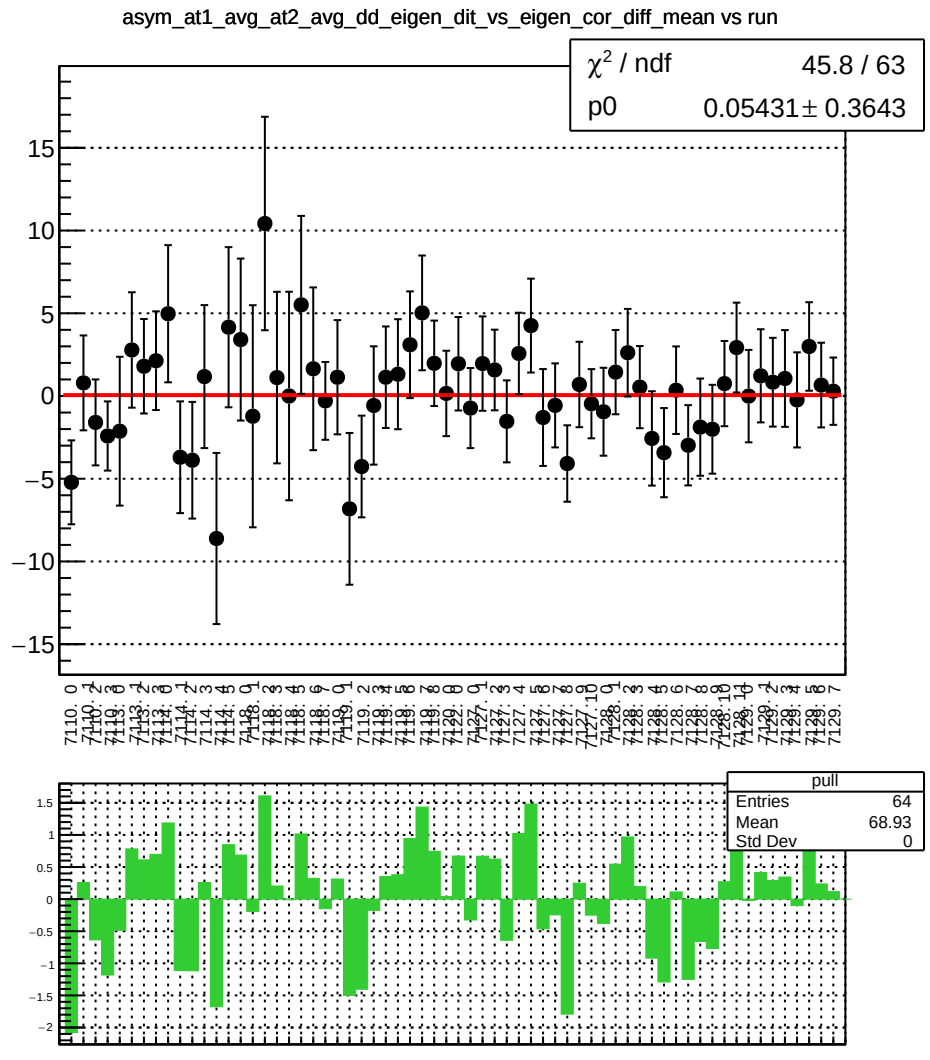

pull1D
Entries 64
Mean 0.01545
Std Dev 0.9178

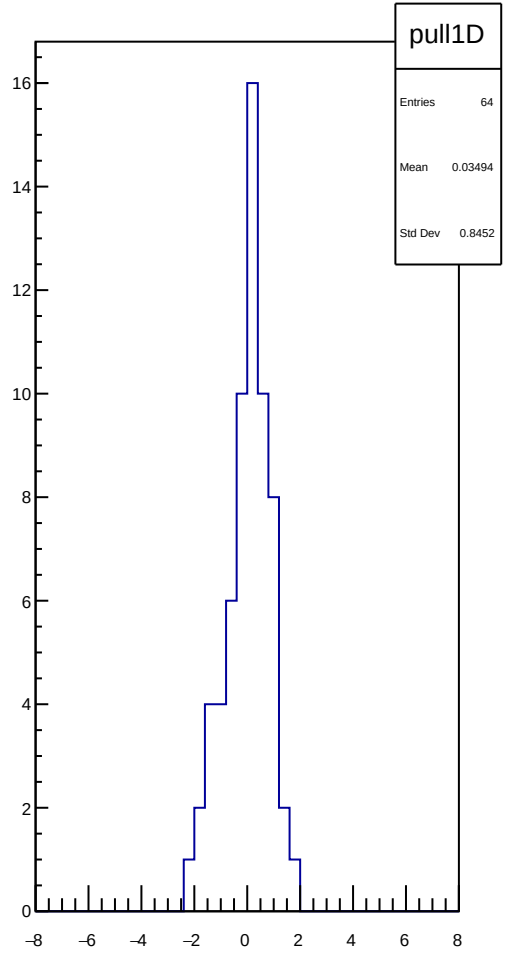

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.983e+04 / 63
p0 0.01672 ± 1.522e−05
0.022
0.02
0.018
0.016
0.014

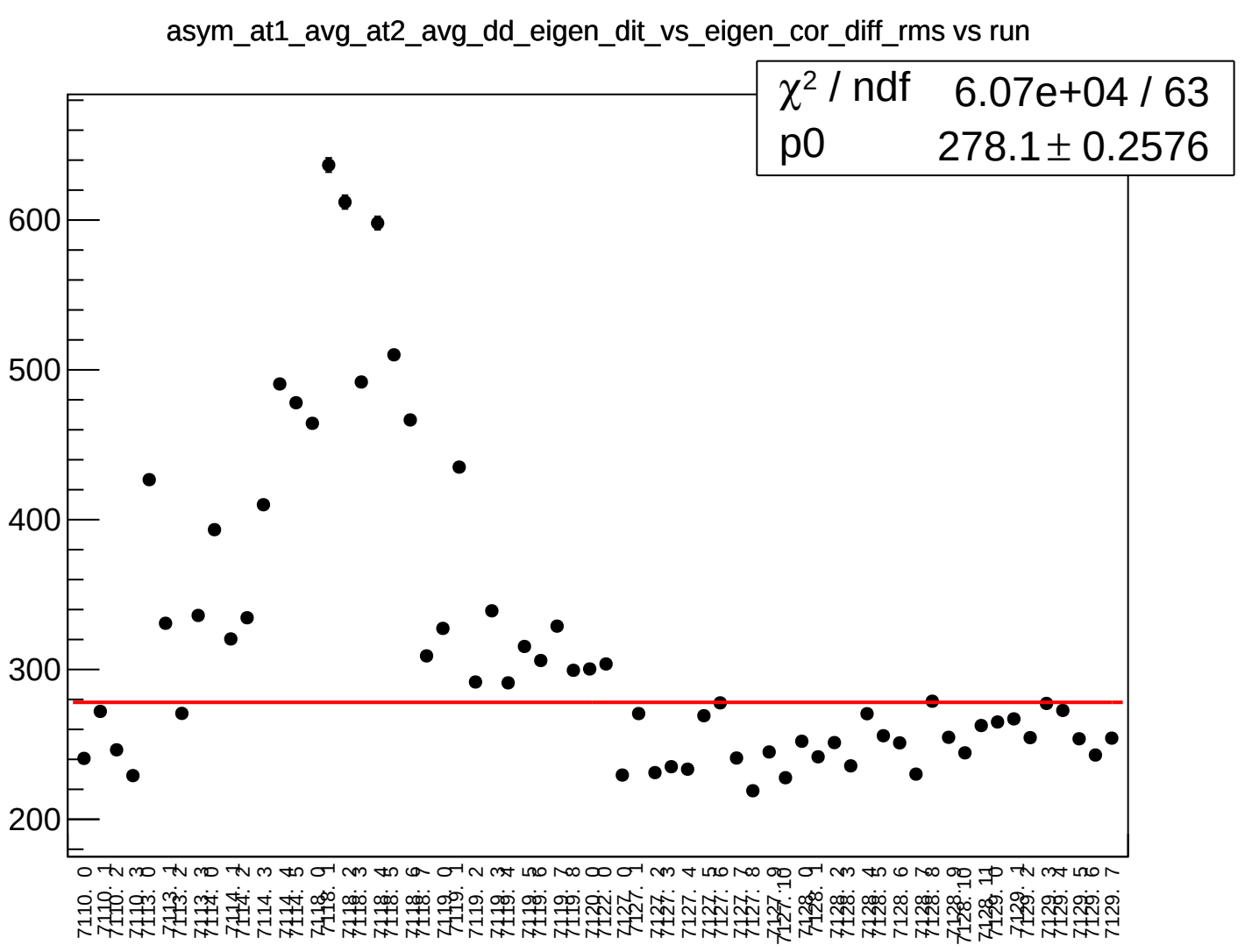

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.05431 ± 0.3643
pull
Entries 64
Mean 68.93
Std Dev 0

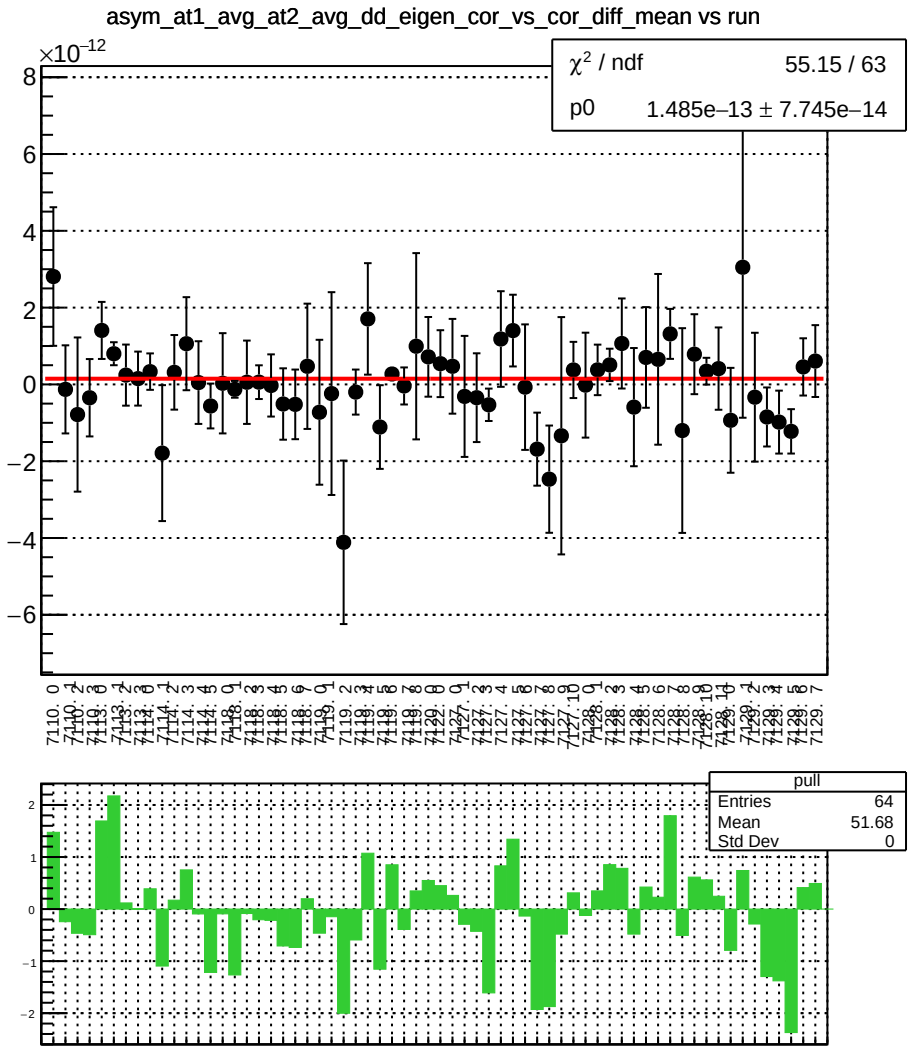

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

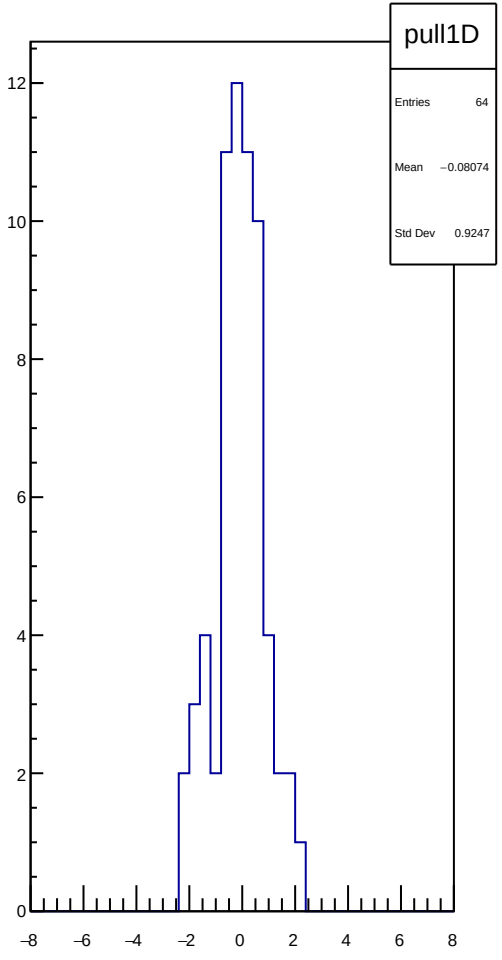

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

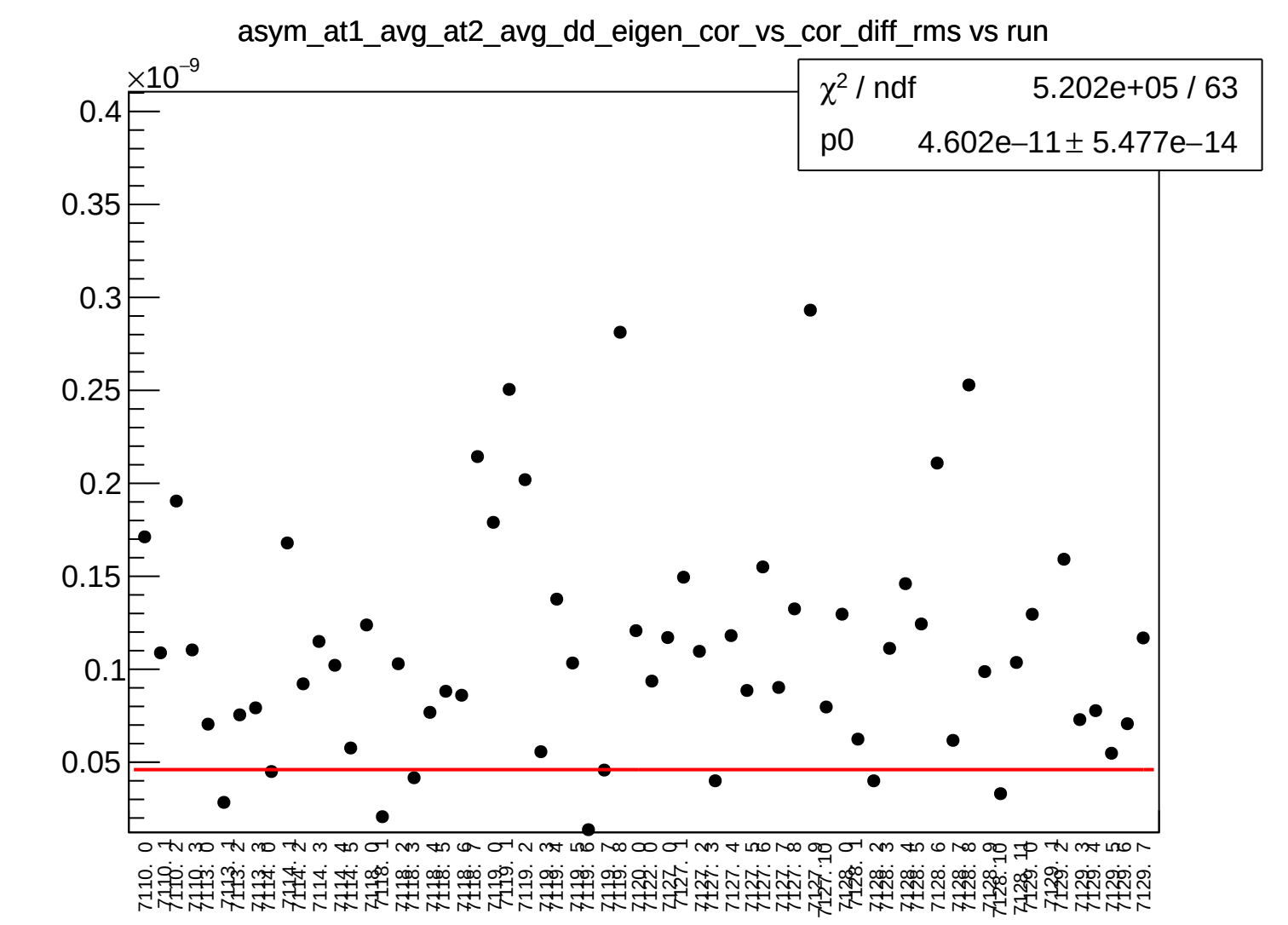

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.05431 ± 0.3643
pull
Entries 64
Mean 68.93
Std Dev 0

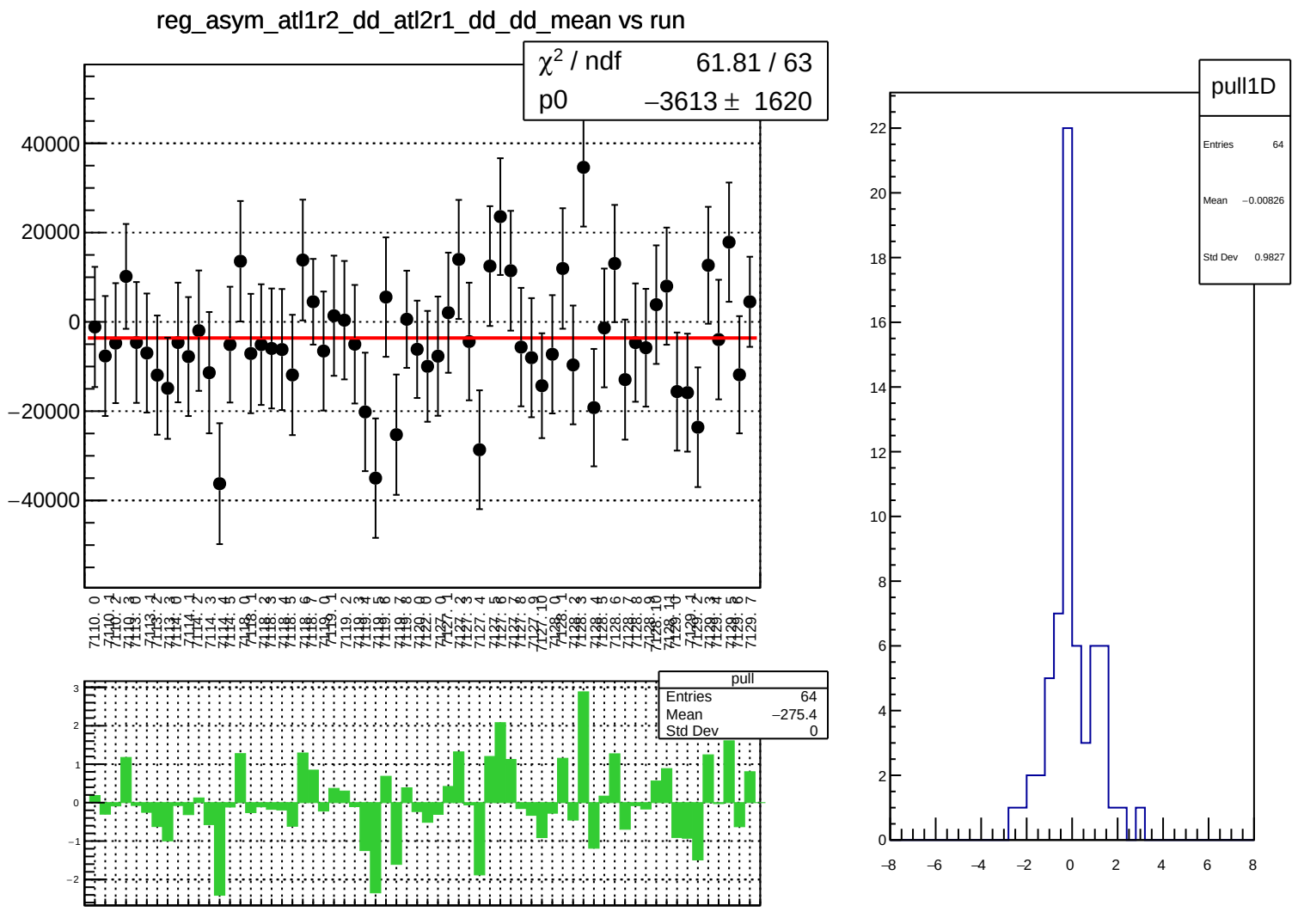

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

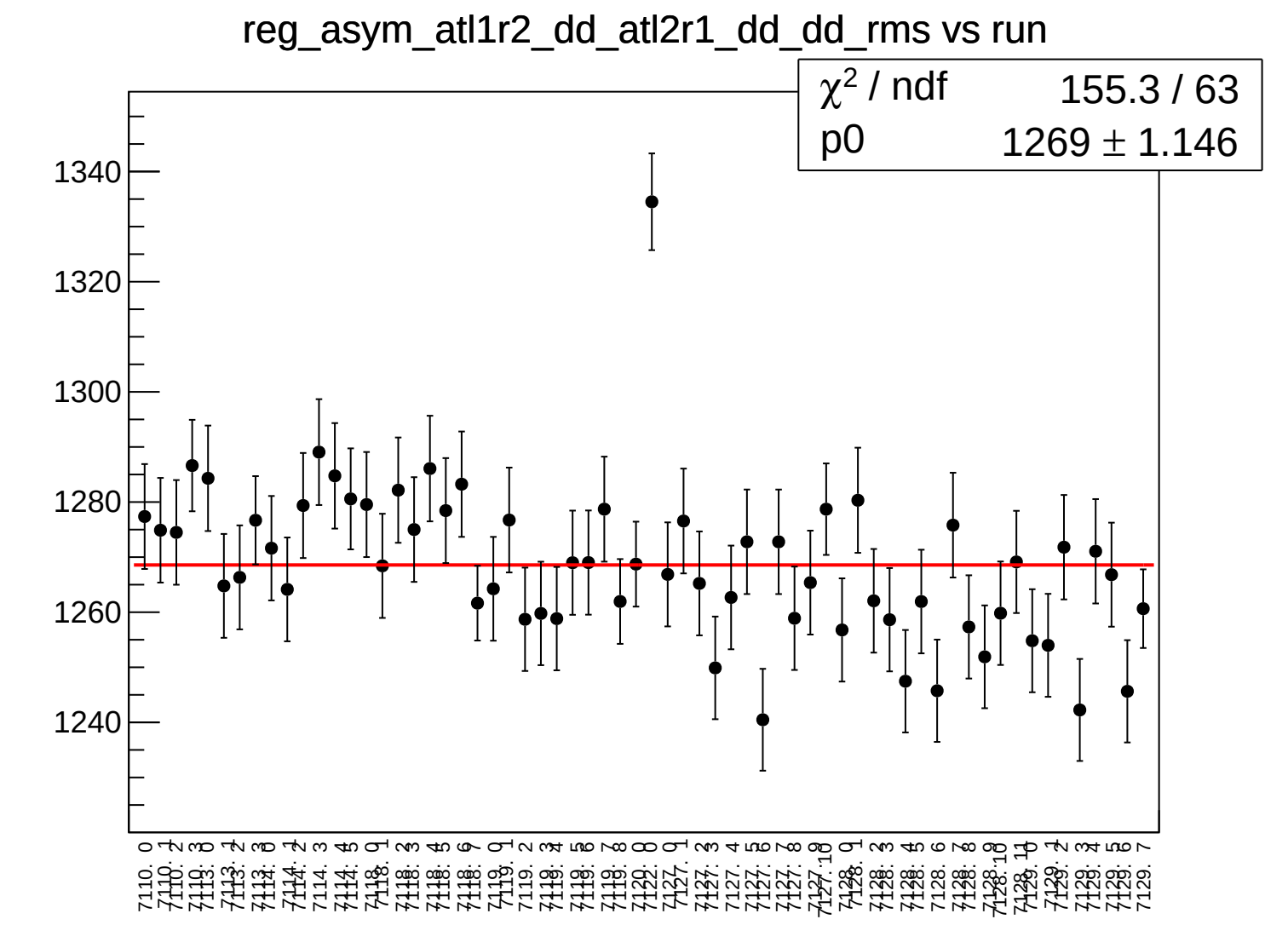

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

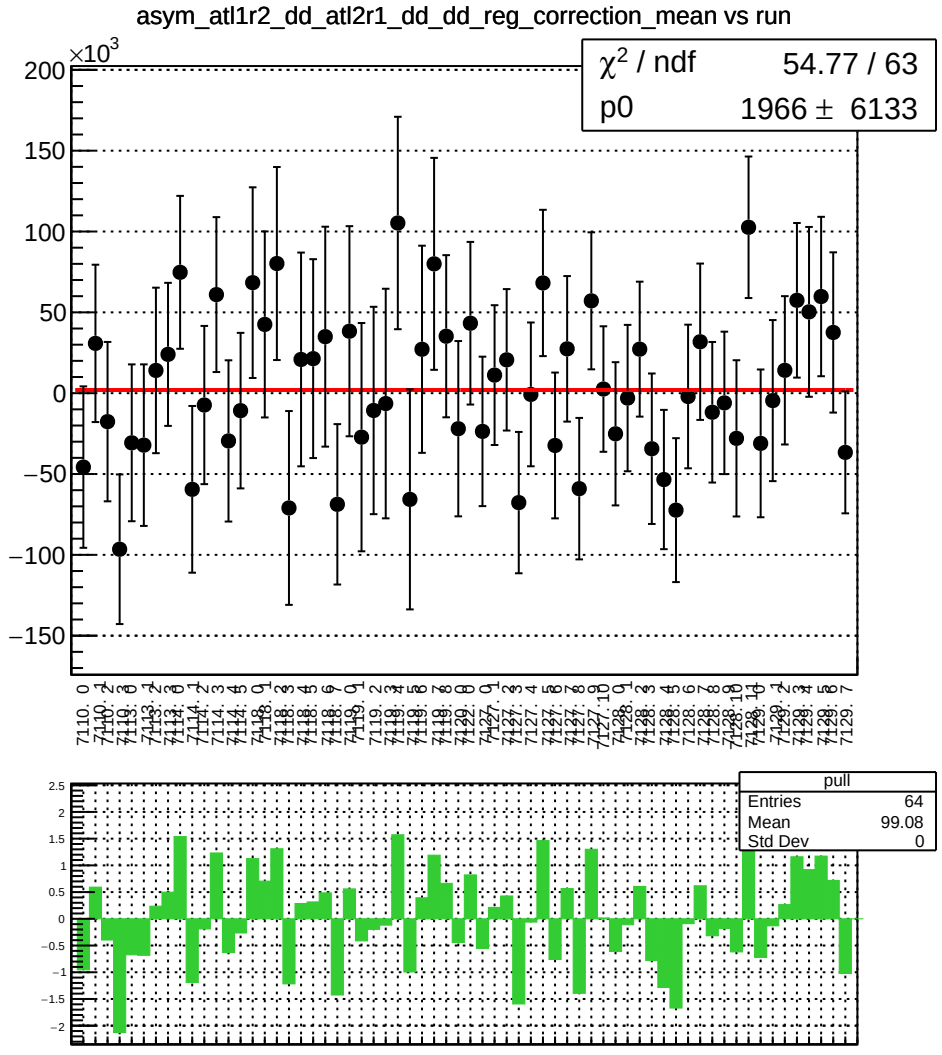

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.15 / 63
p0 1.485e−13 ± 7.745e−14
pull
Entries 64
Mean 51.68
Std Dev 0

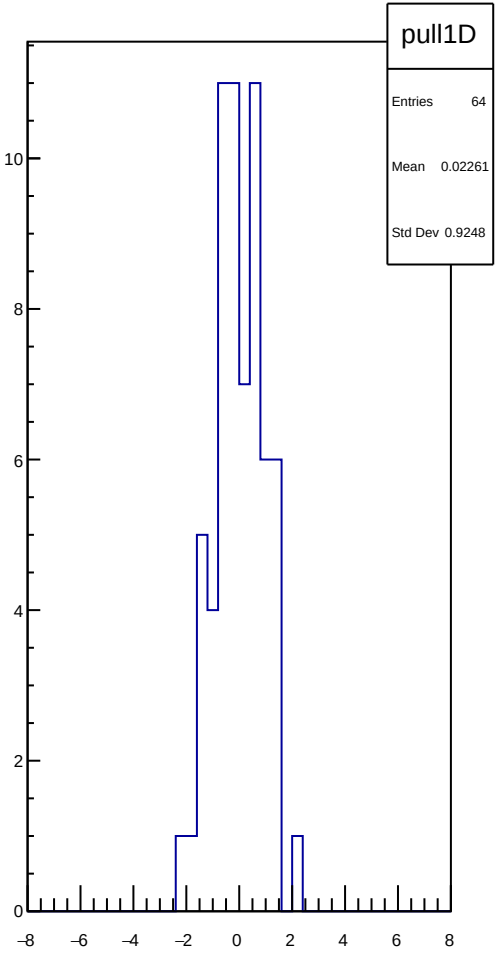

pull1D
Entries 64
Mean −0.08074
Std Dev 0.9247

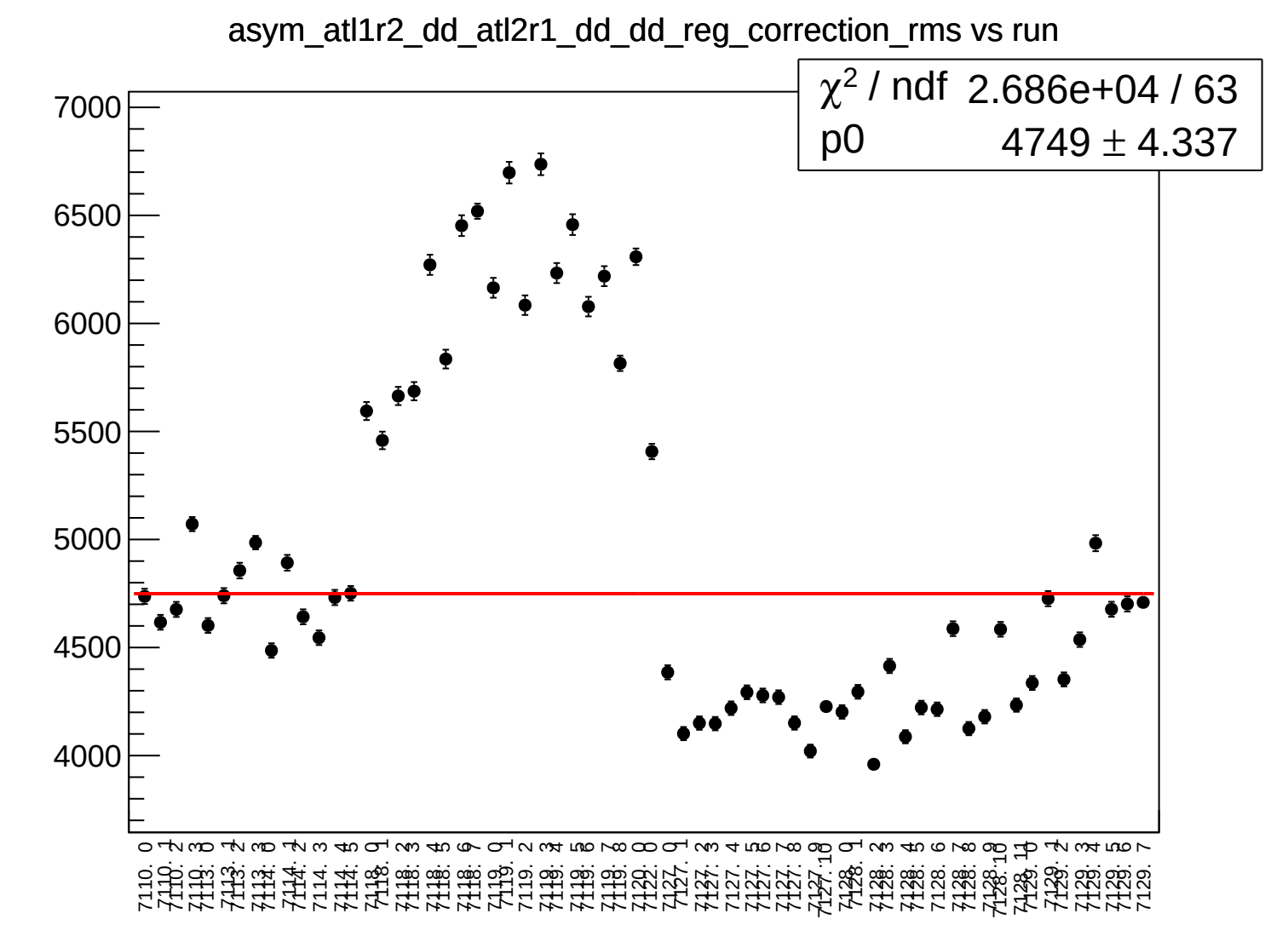

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.202e+05 / 63
p0 4.602e−11 ± 5.477e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

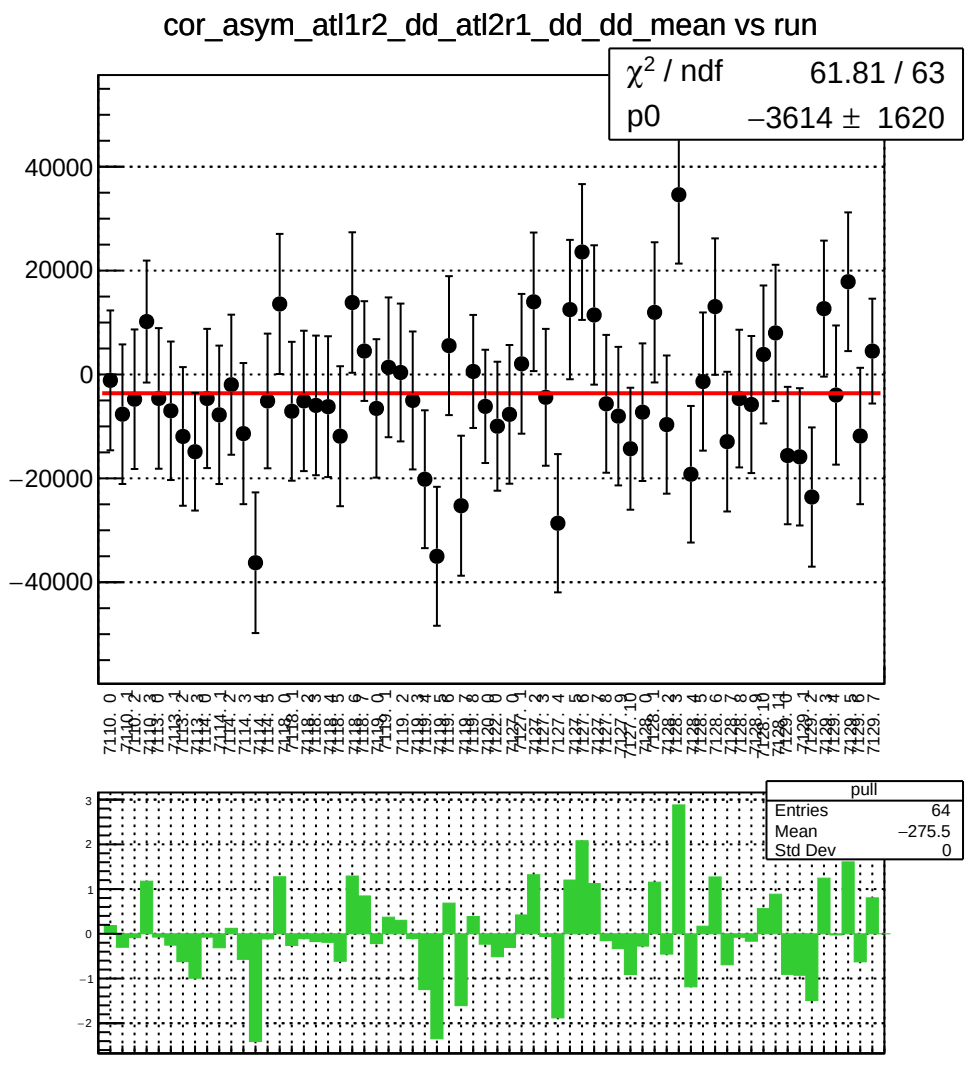

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 61.81 / 63
p0 −3613 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.4
Std Dev 0
pull1D
Entries 64
Mean −0.00826
Std Dev 0.9827

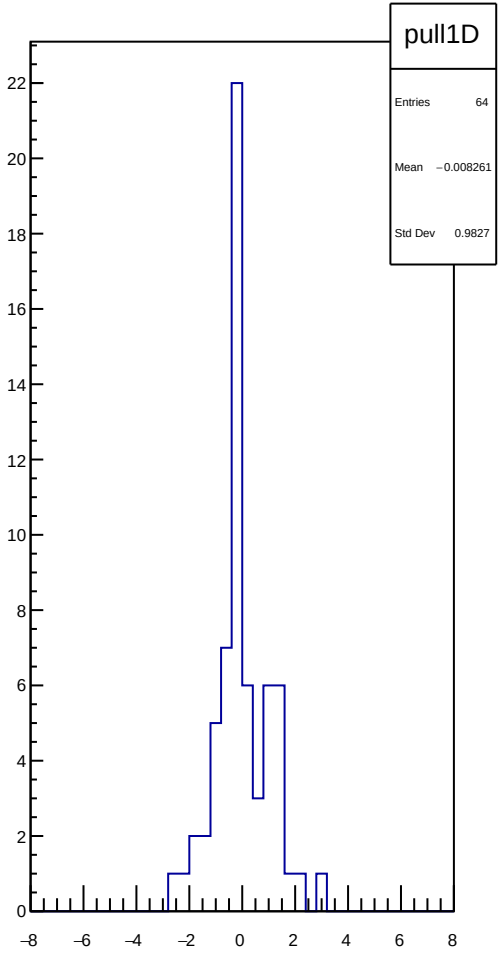

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

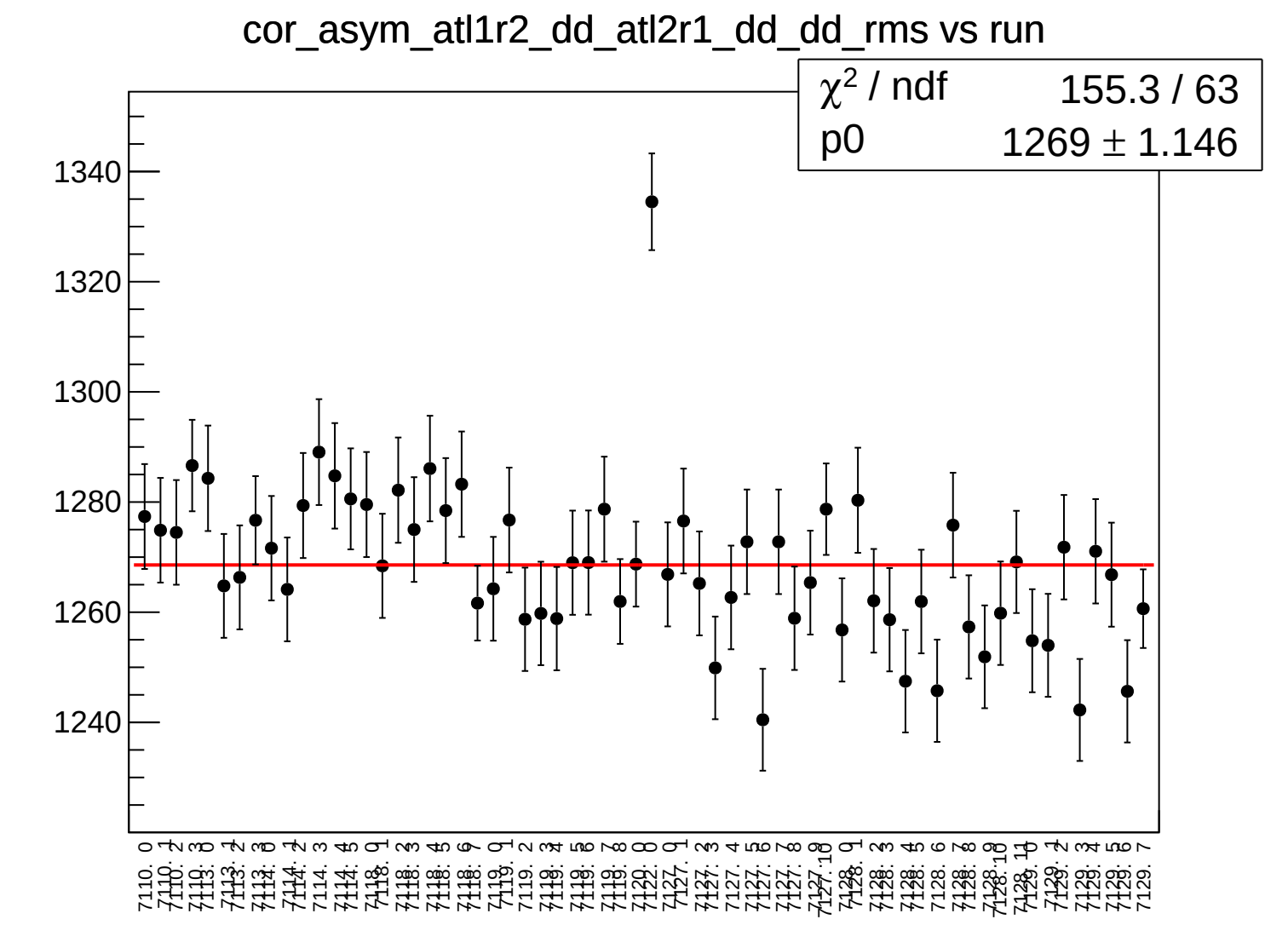

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.08
Std Dev 0

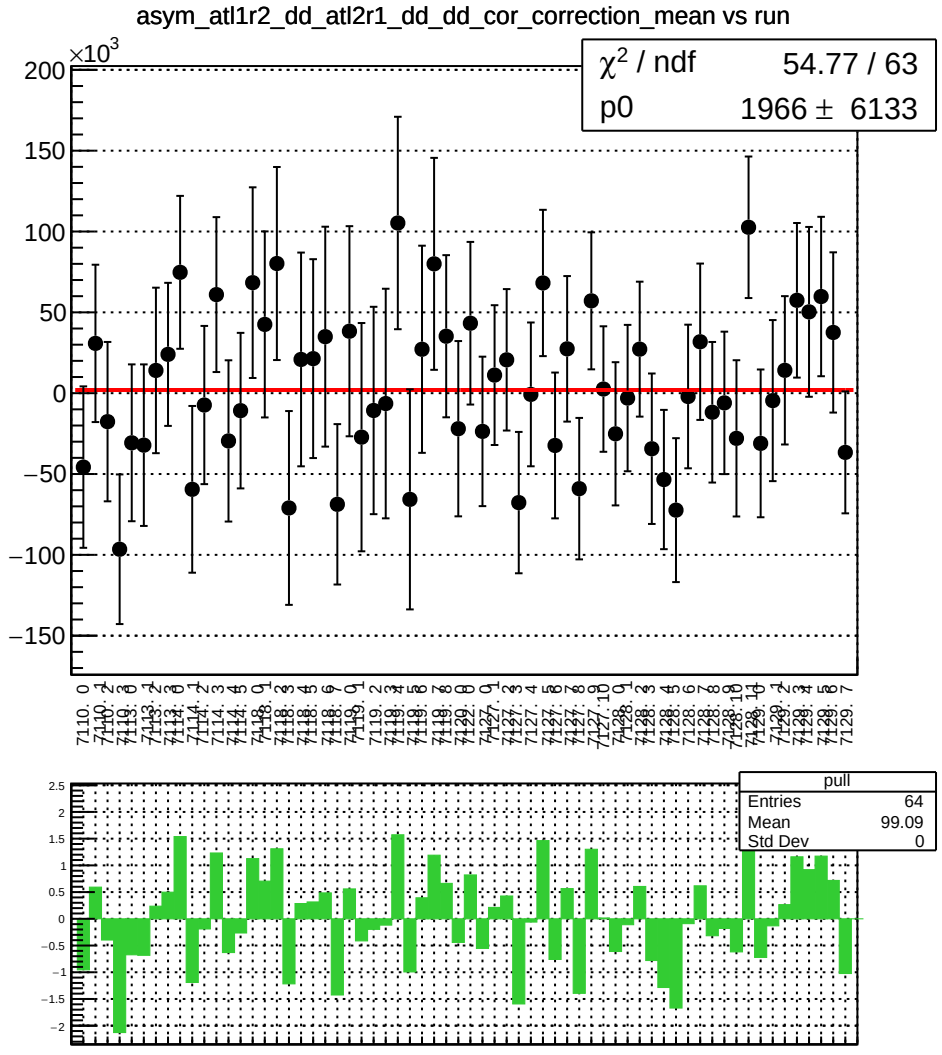

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

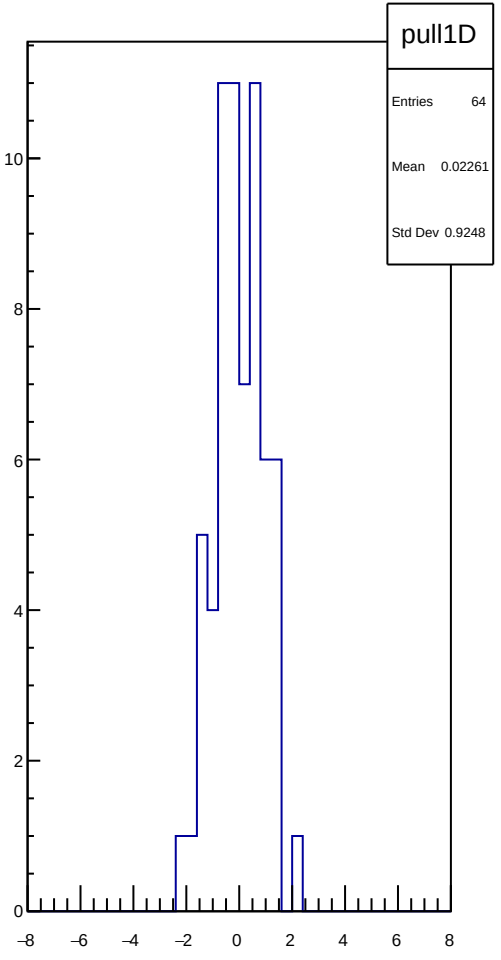

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ^2 / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

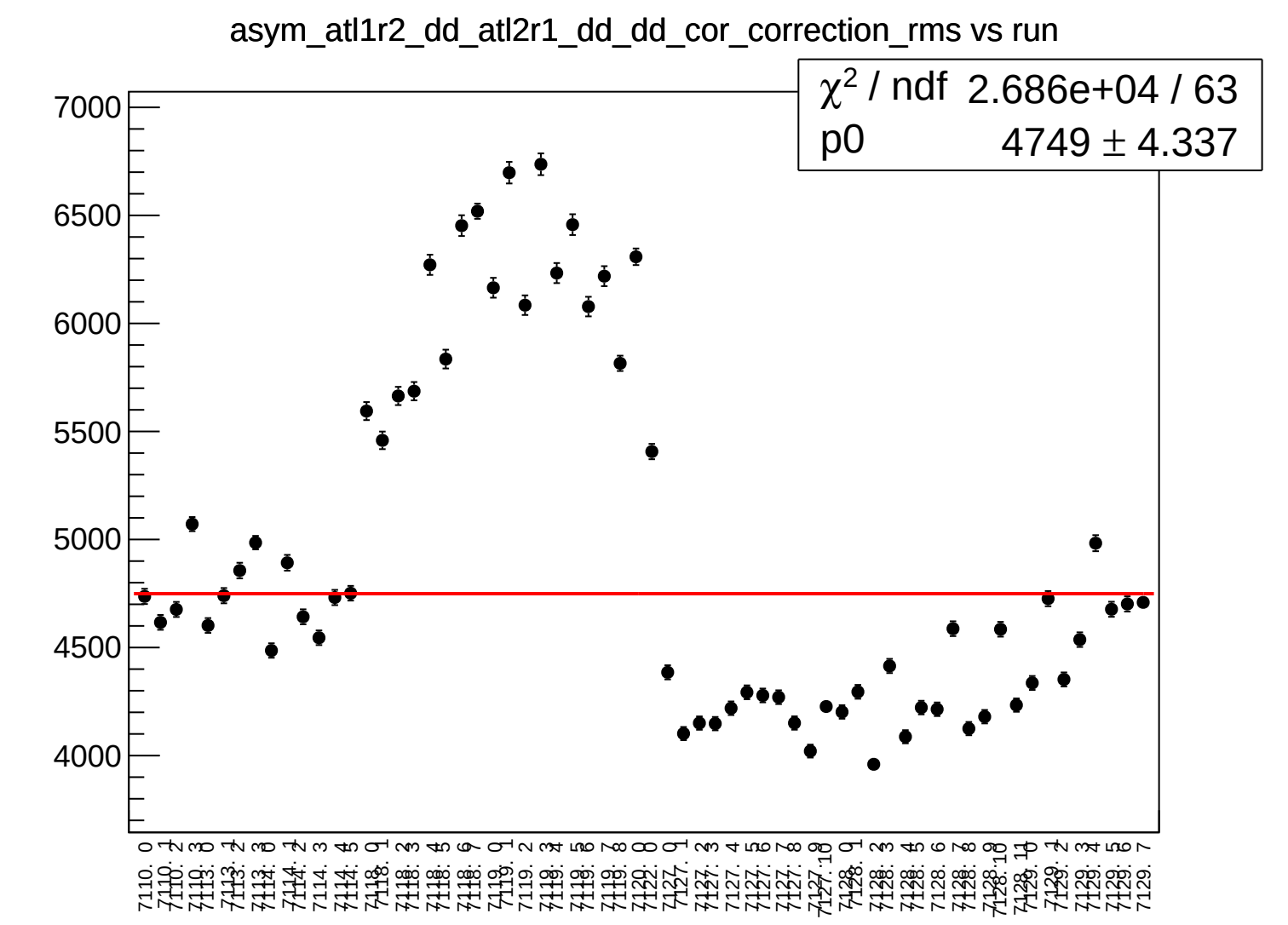

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 61.81 / 63
p0 −3614 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.5
Std Dev 0

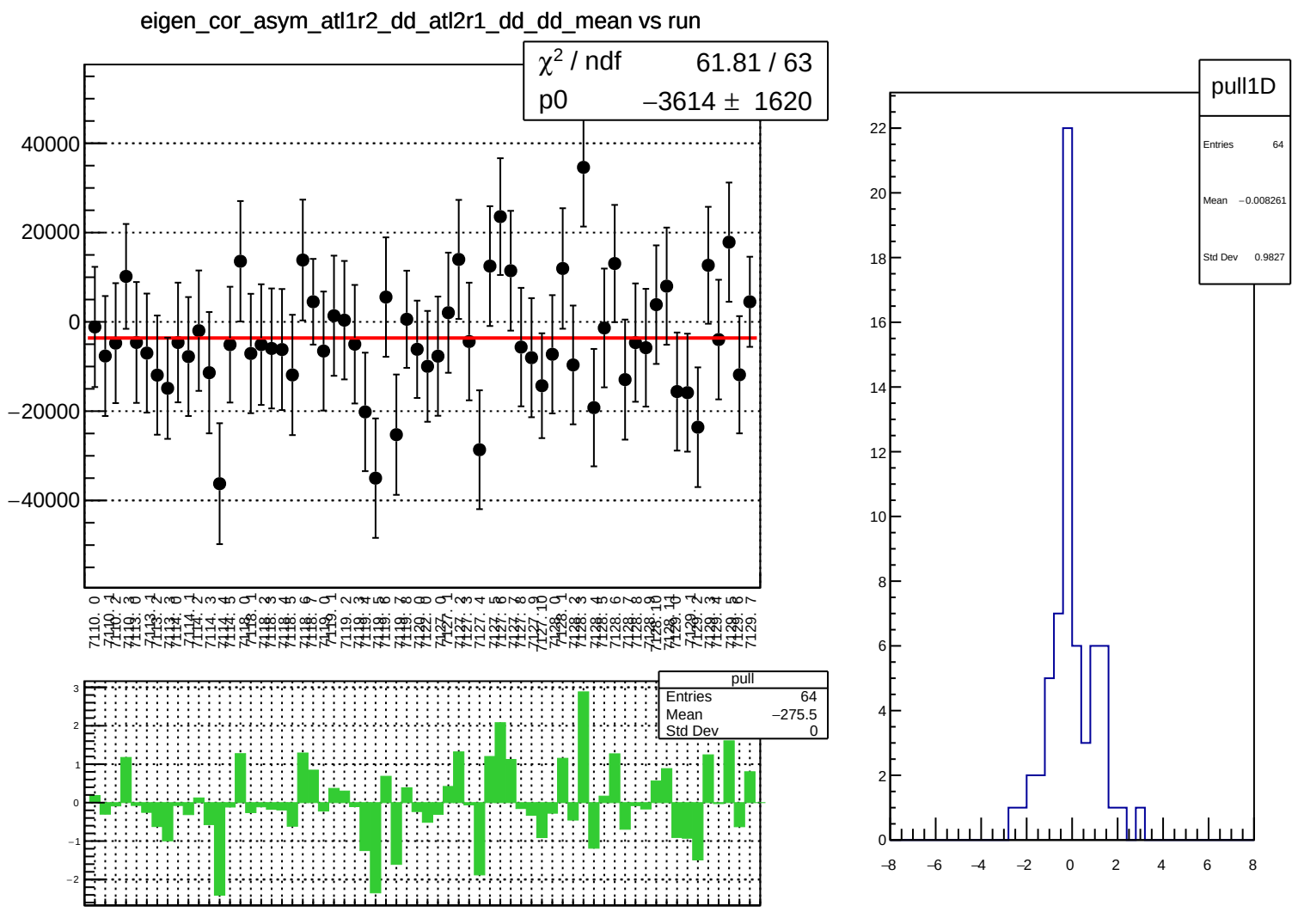

pull1D
Entries 64
Mean −0.008261
Std Dev 0.9827

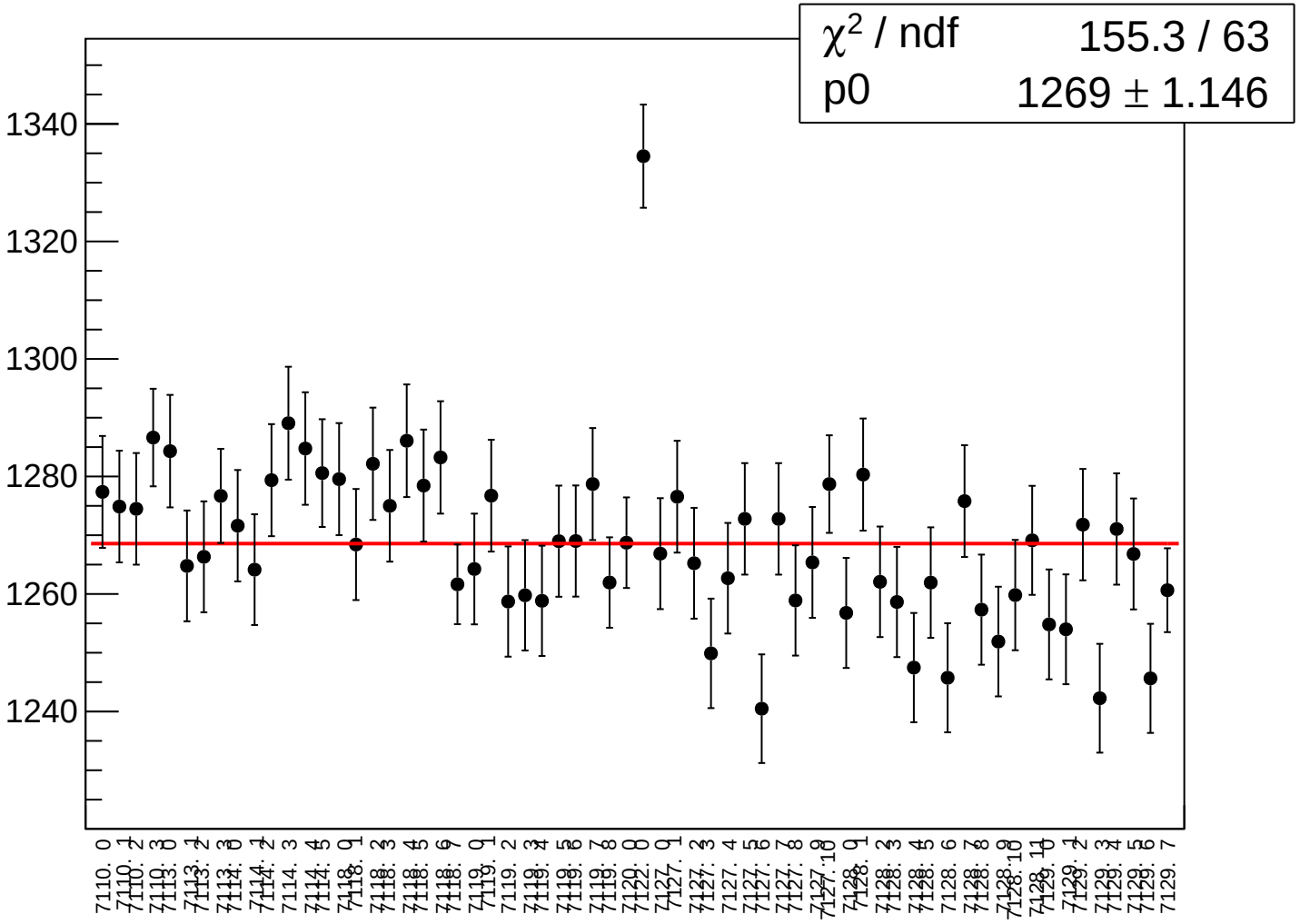

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

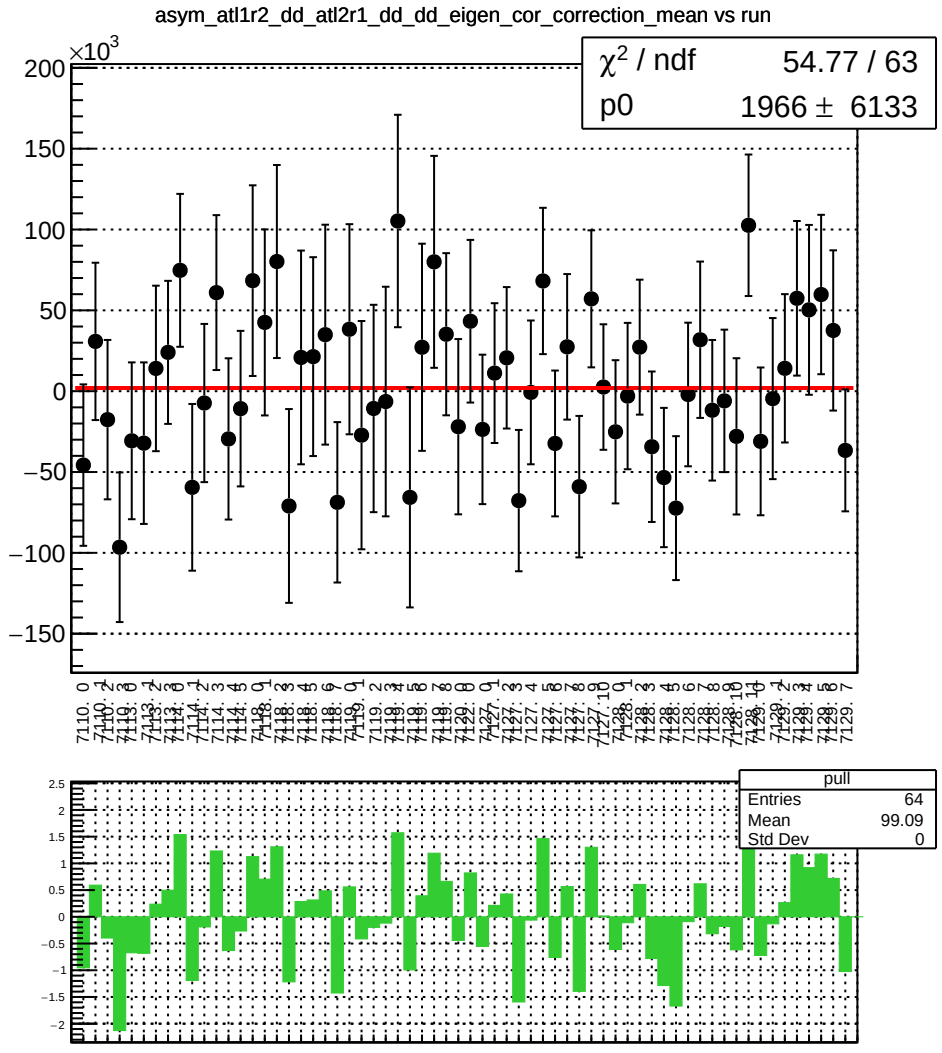

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.09
Std Dev 0

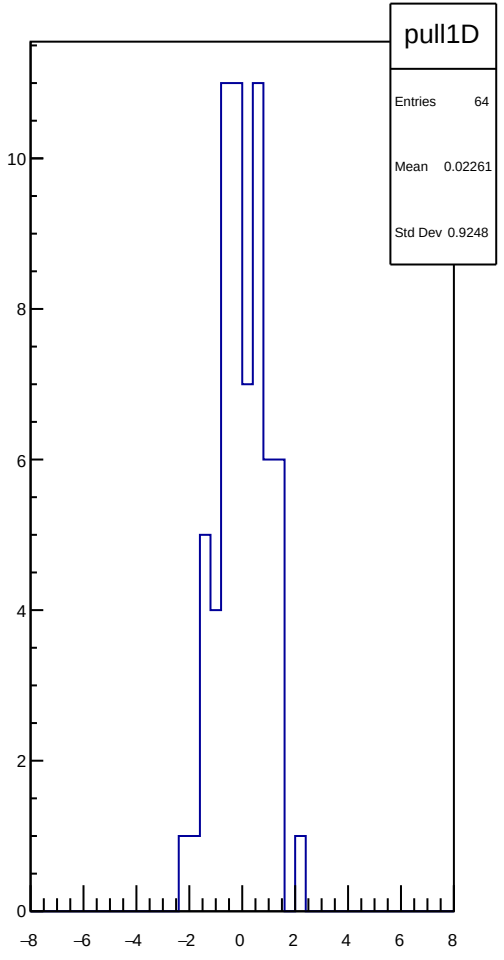

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

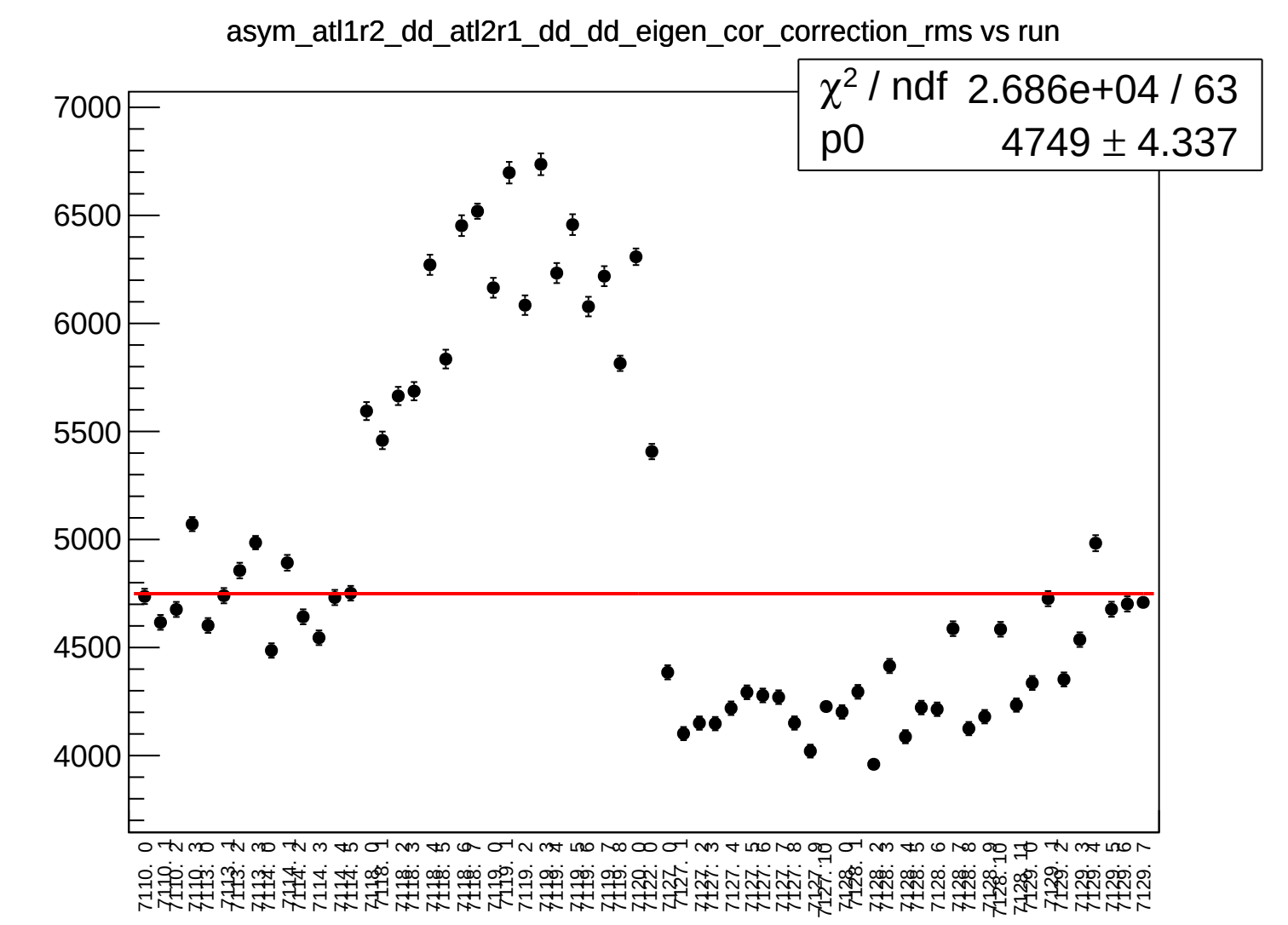

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ^2 / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

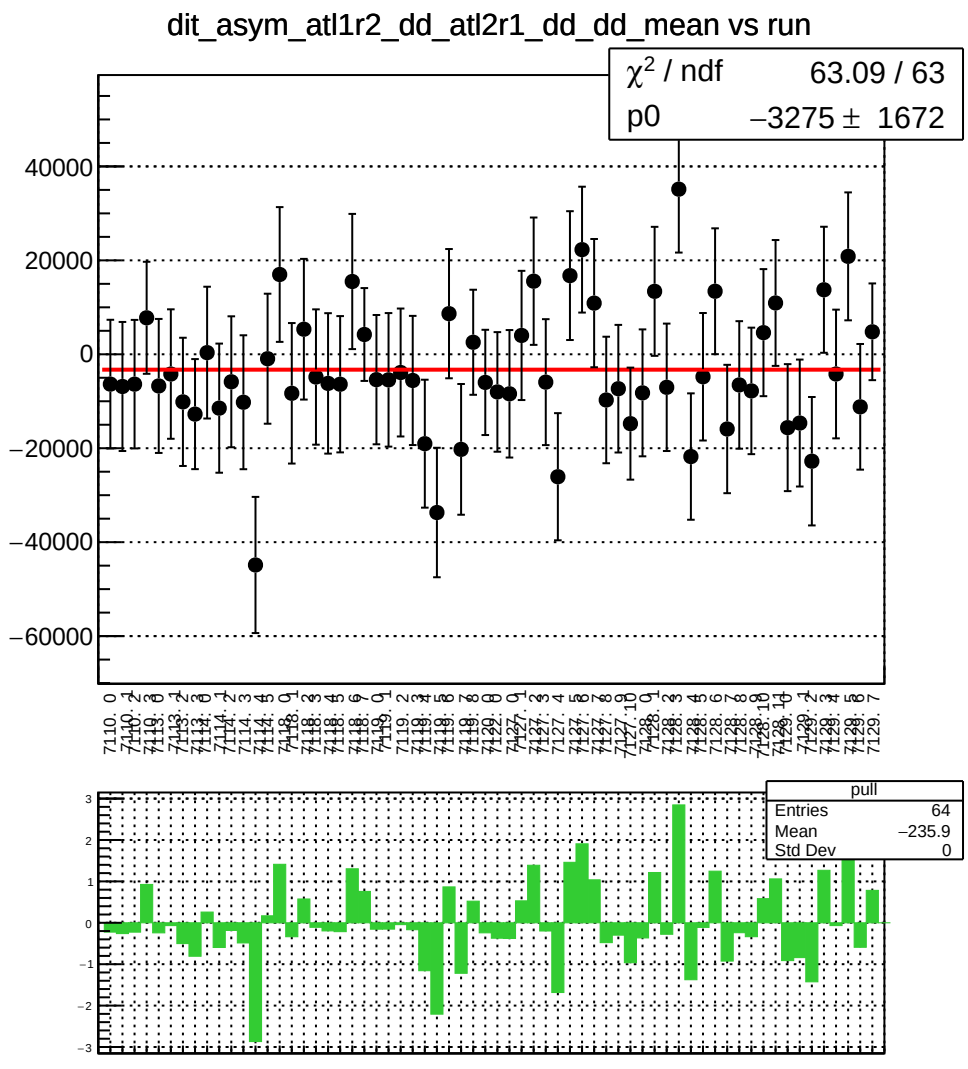

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 61.81 / 63
p0 −3614 ± 1620
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −275.5
Std Dev 0
pull1D
Entries 64
Mean −0.008261
Std Dev 0.9827

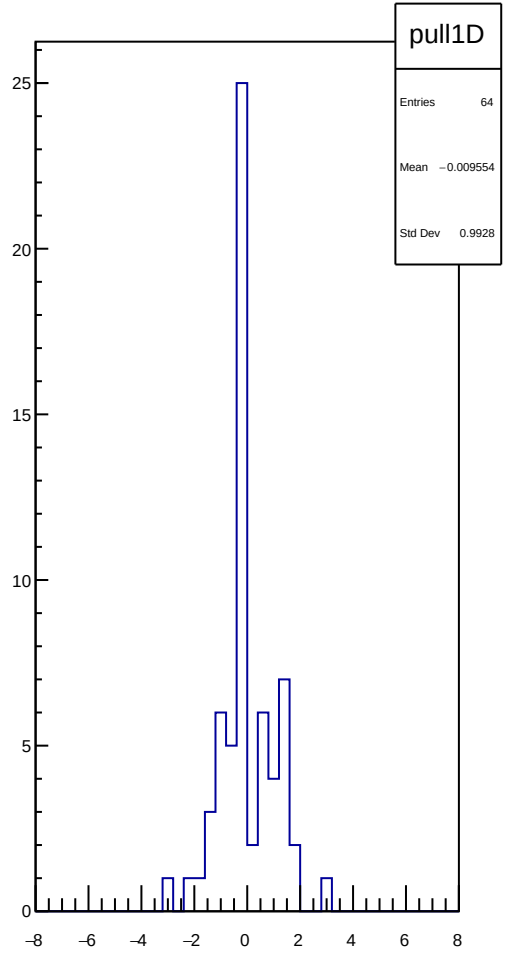

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 155.3 / 63
p0 1269 ± 1.146
1340
1320
1300
1280
1260
1240

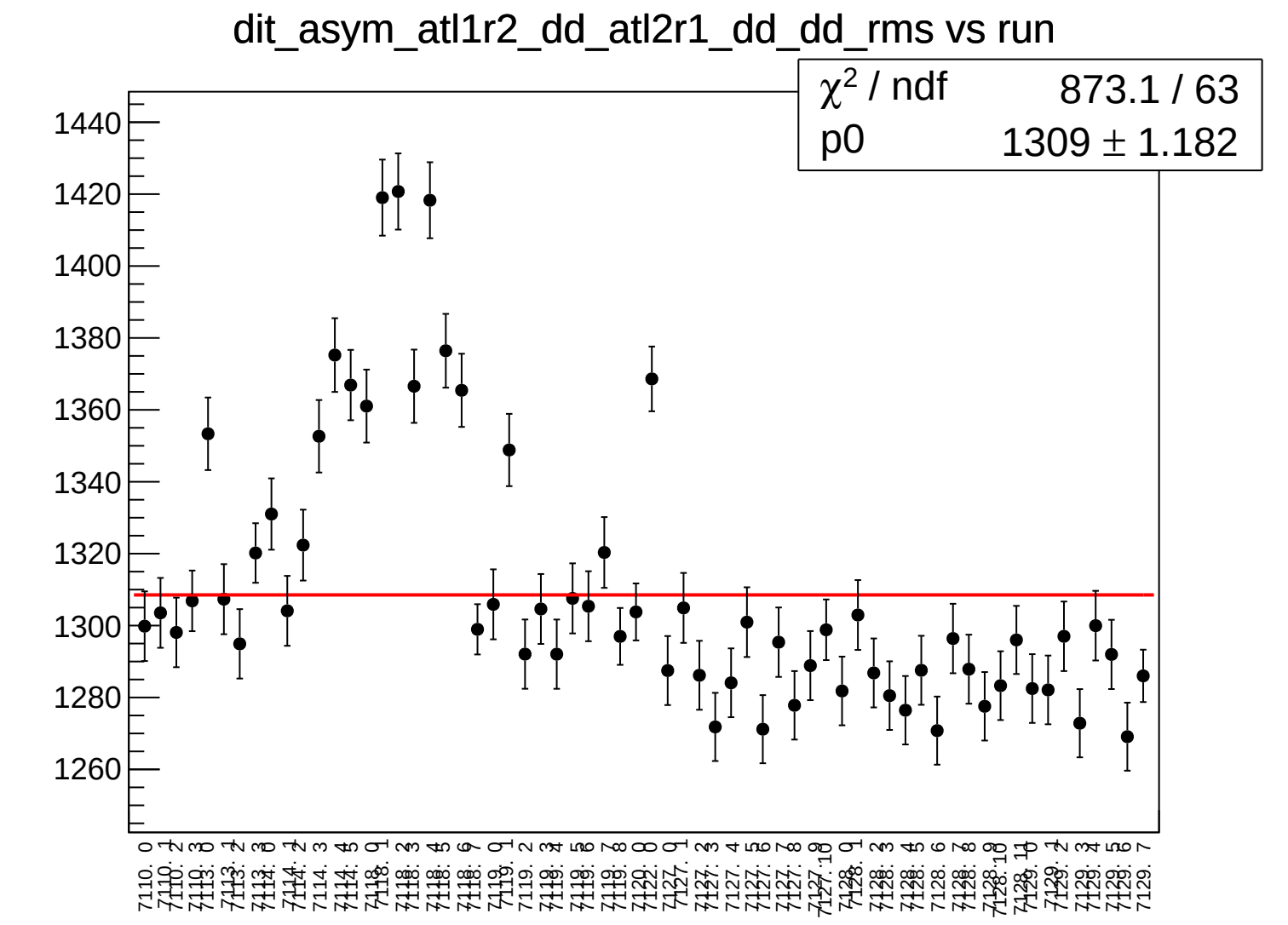

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.77 / 63
p0 1966 ± 6133
pull
Entries 64
Mean 99.09
Std Dev 0

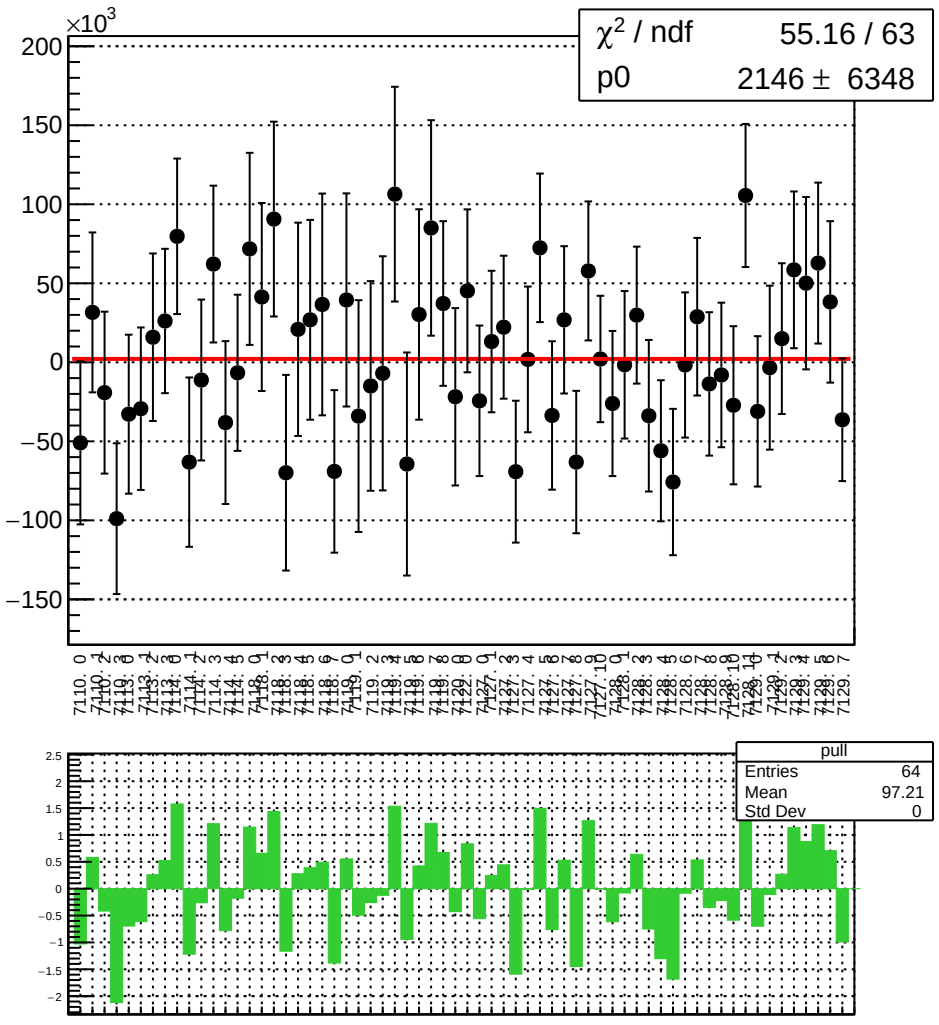

pull1D
Entries 64
Mean 0.02261
Std Dev 0.9248

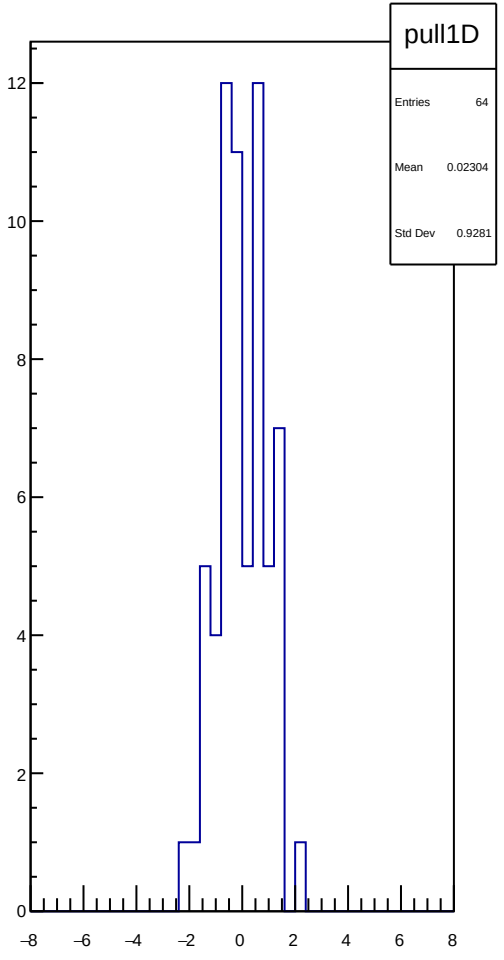

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.686e+04 / 63
p0 4749 ± 4.337
7000
6500
6000
5500
5000
4500
4000

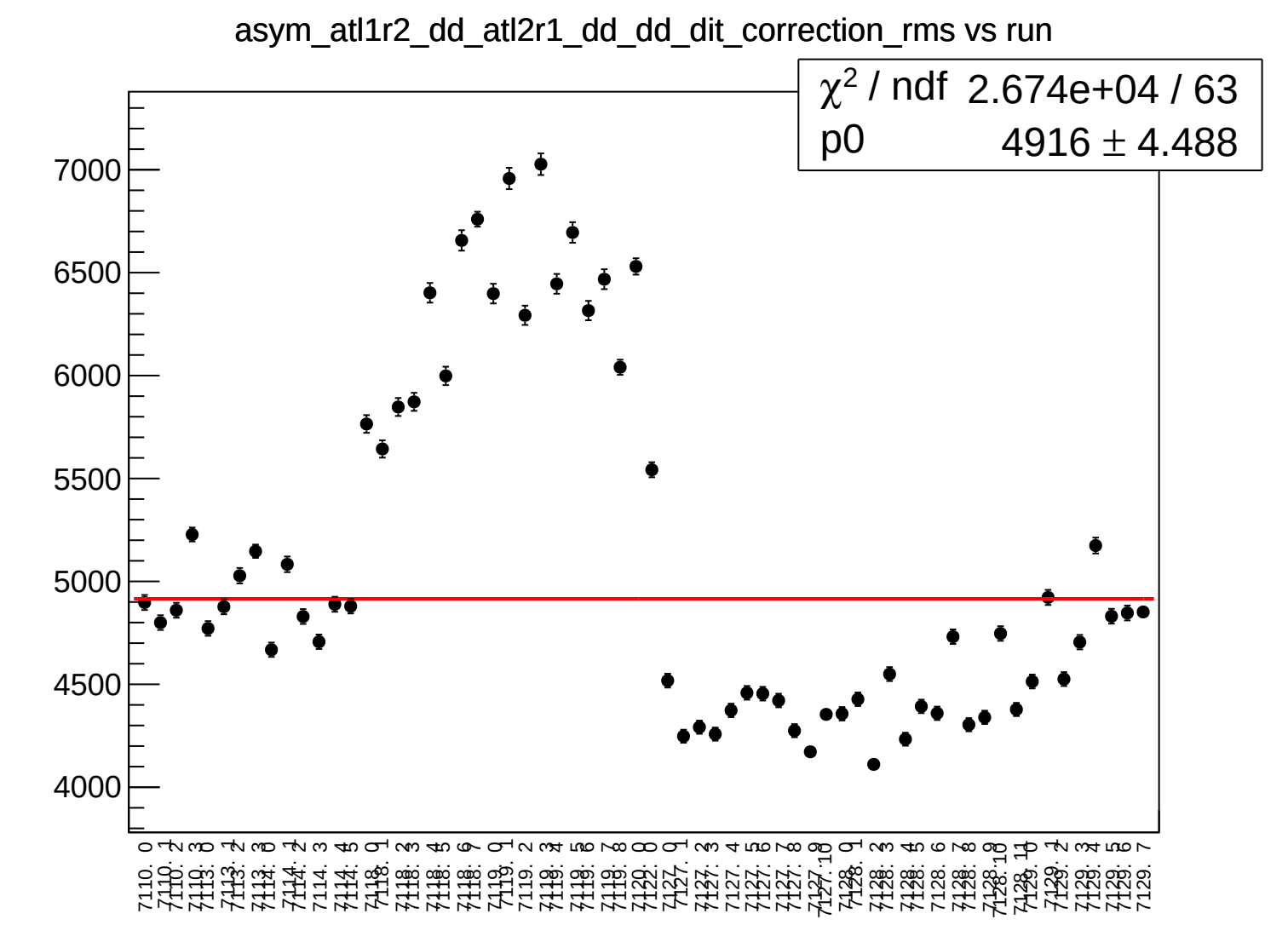

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 63.09 / 63
p0 −3275 ± 1672
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −235.9
Std Dev 0
3
2
1
0
−1
−2
−3

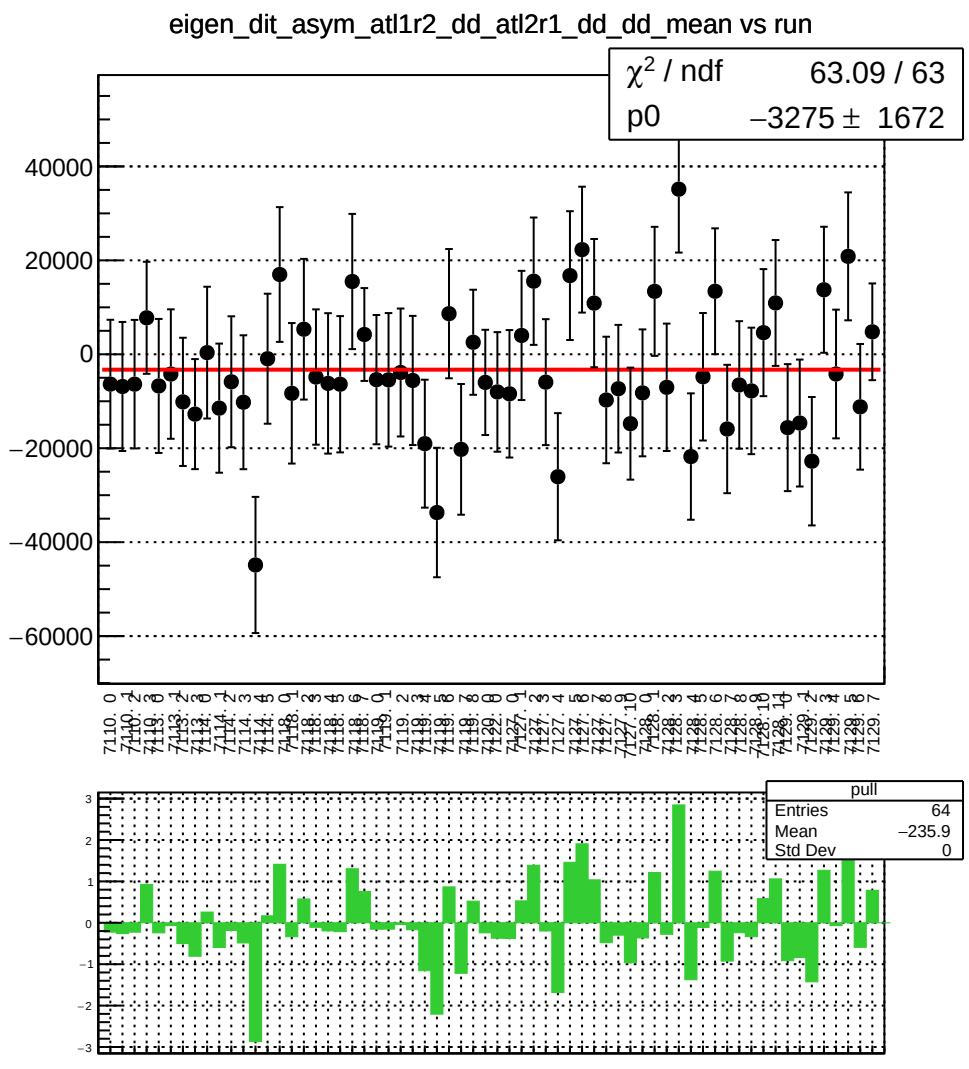

pull1D
Entries 64
Mean −0.009554
Std Dev 0.9928
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

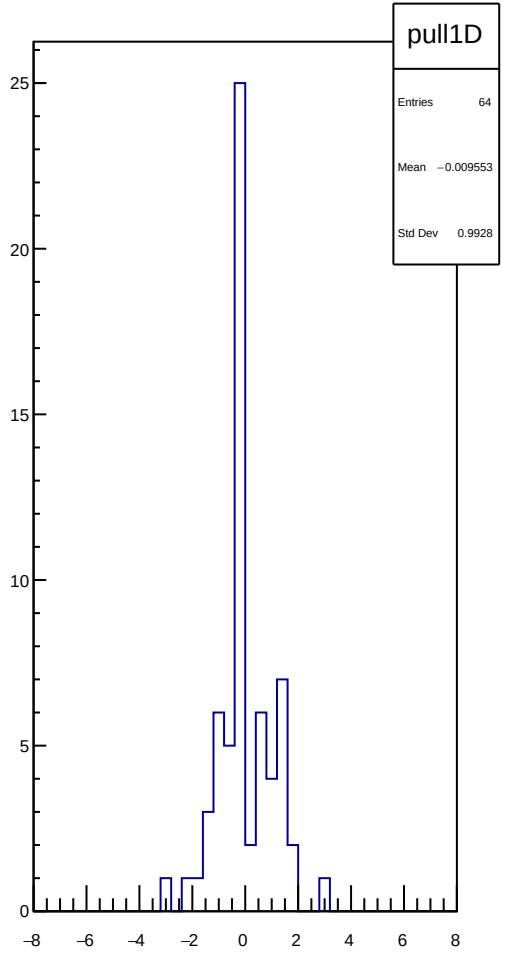

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 873.1 / 63
p0 1309 ± 1.182
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260

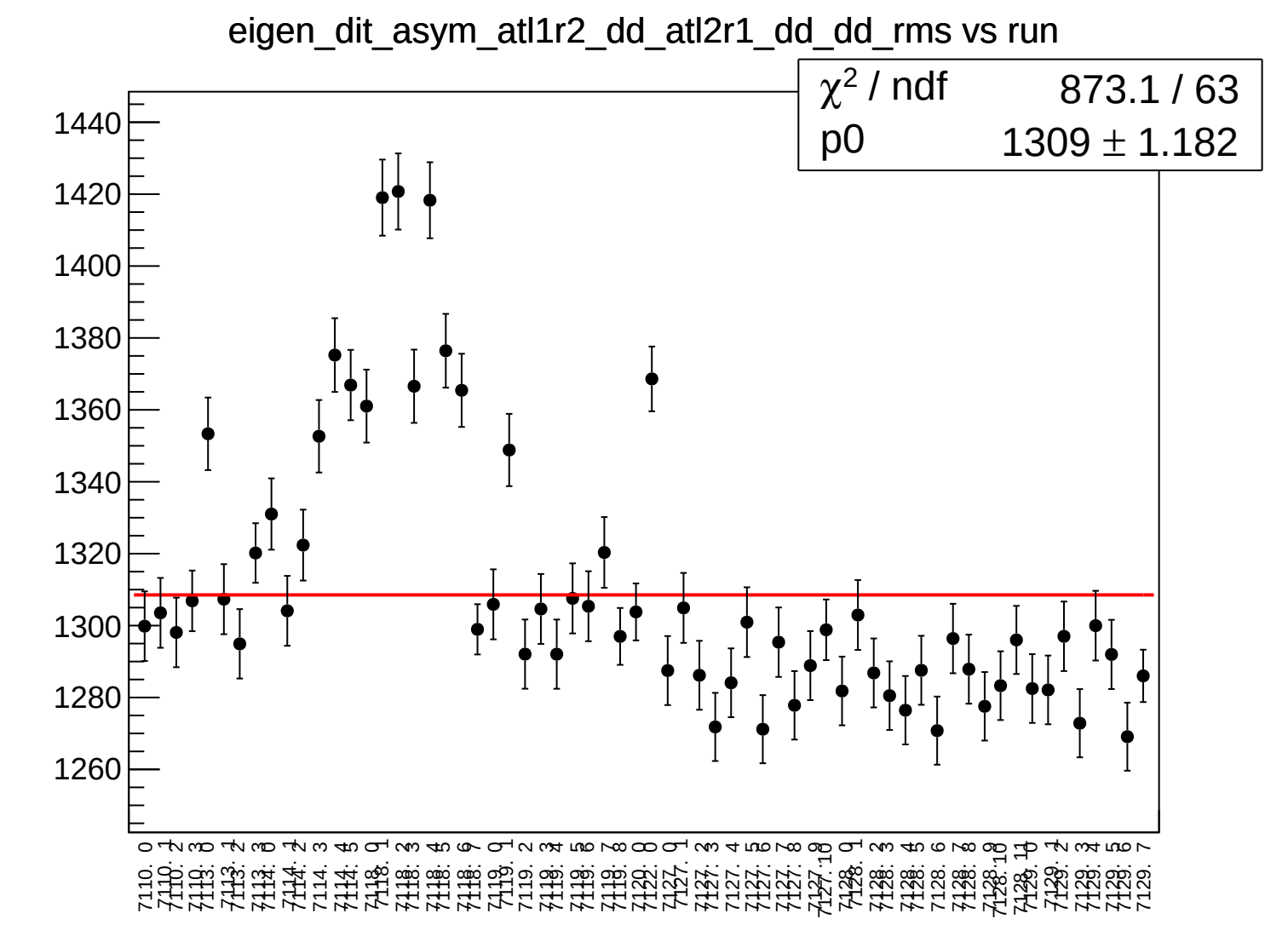

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.16 / 63
p0 2146 ± 6348
pull
Entries 64
Mean 97.21
Std Dev 0

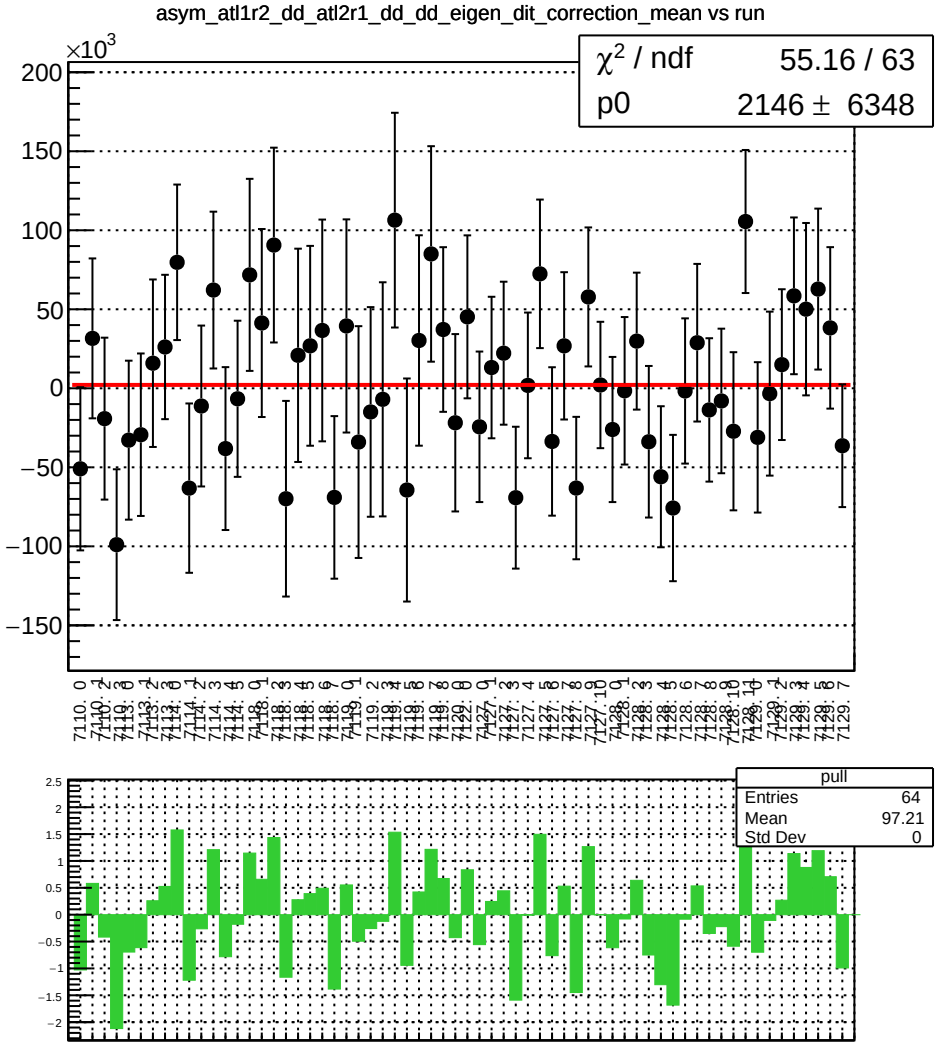

pull1D
Entries 64
Mean 0.02304
Std Dev 0.9281

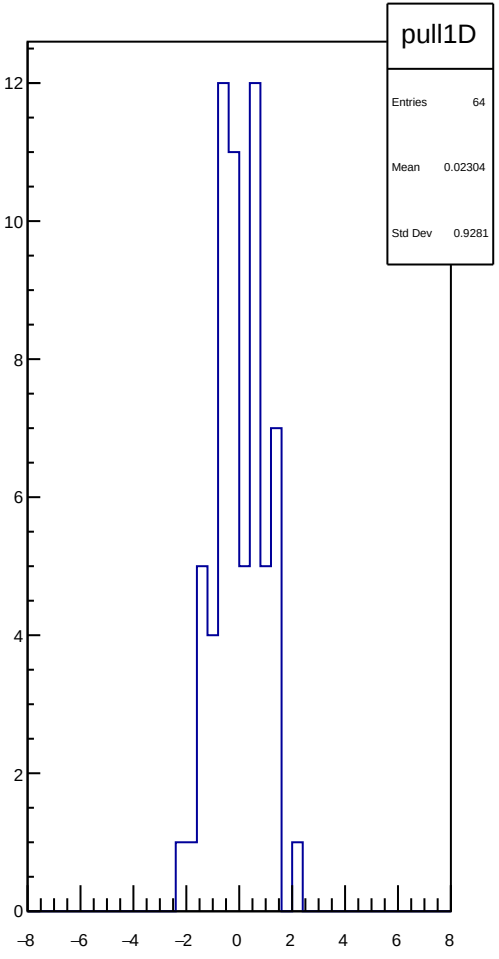

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 2.674e+04 / 63
p0 4916 ± 4.488
7000
6500
6000
5500
5000
4500
4000

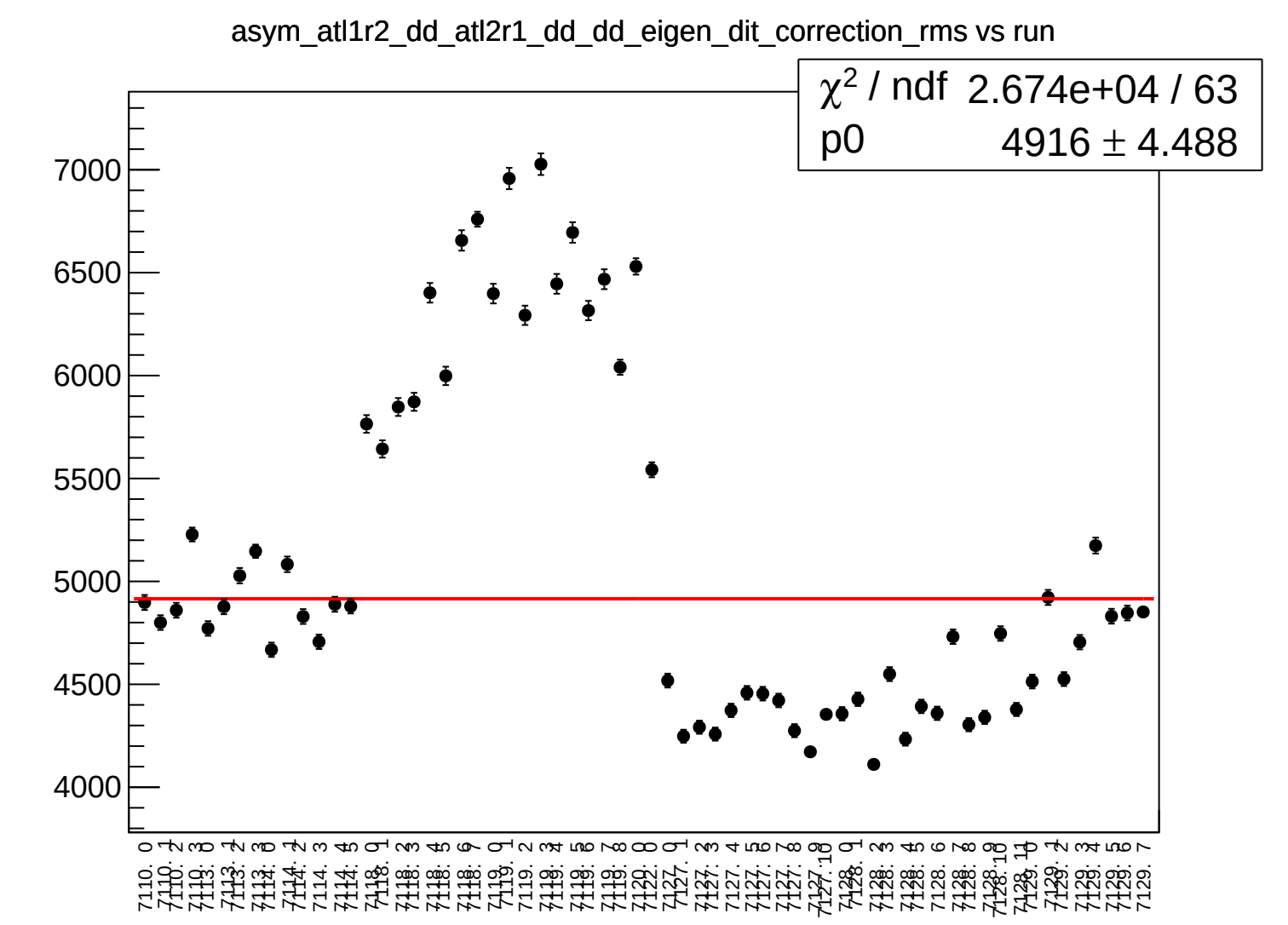

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 63.09 / 63
p0 −3275 ± 1672
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −235.9
Std Dev 0
3
2
1
0
−1
−2
−3

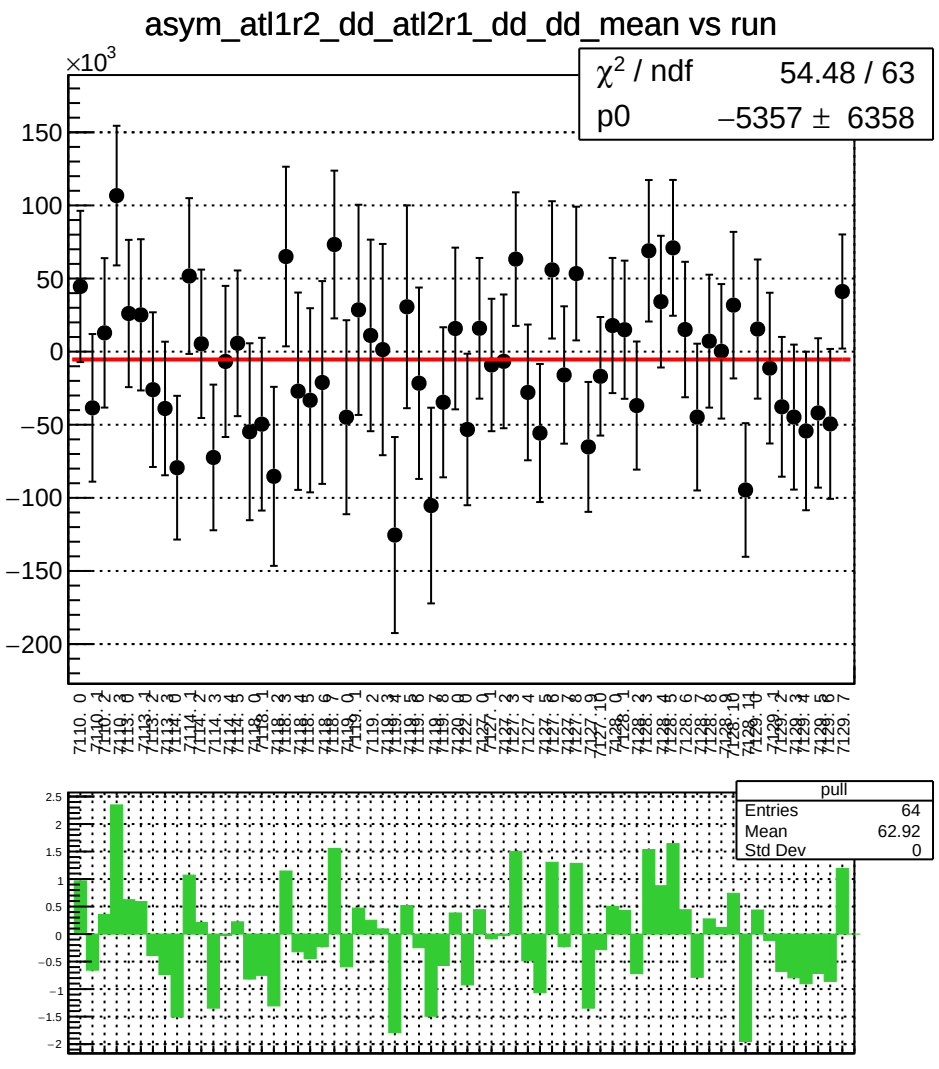

pull1D
Entries 64
Mean −0.009553
Std Dev 0.9928
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

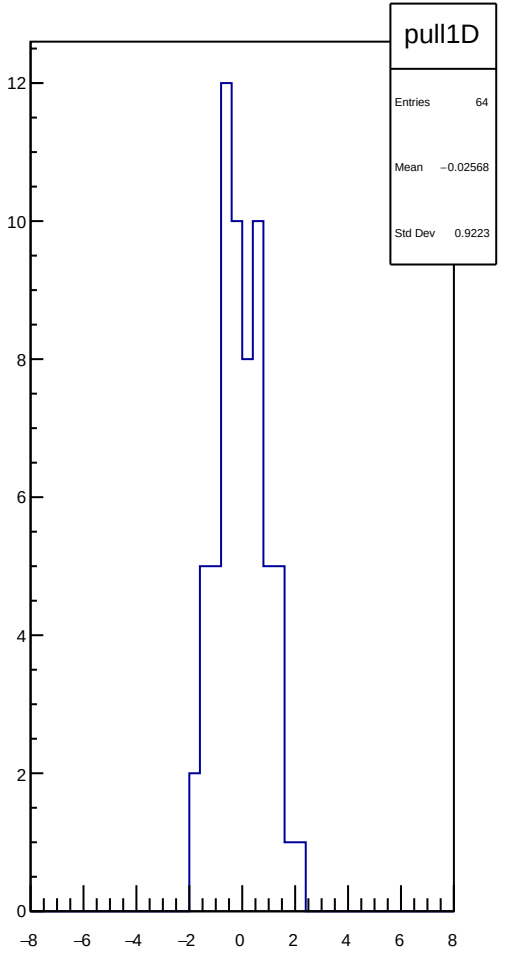

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 873.1 / 63
p0 1309 ± 1.182
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260

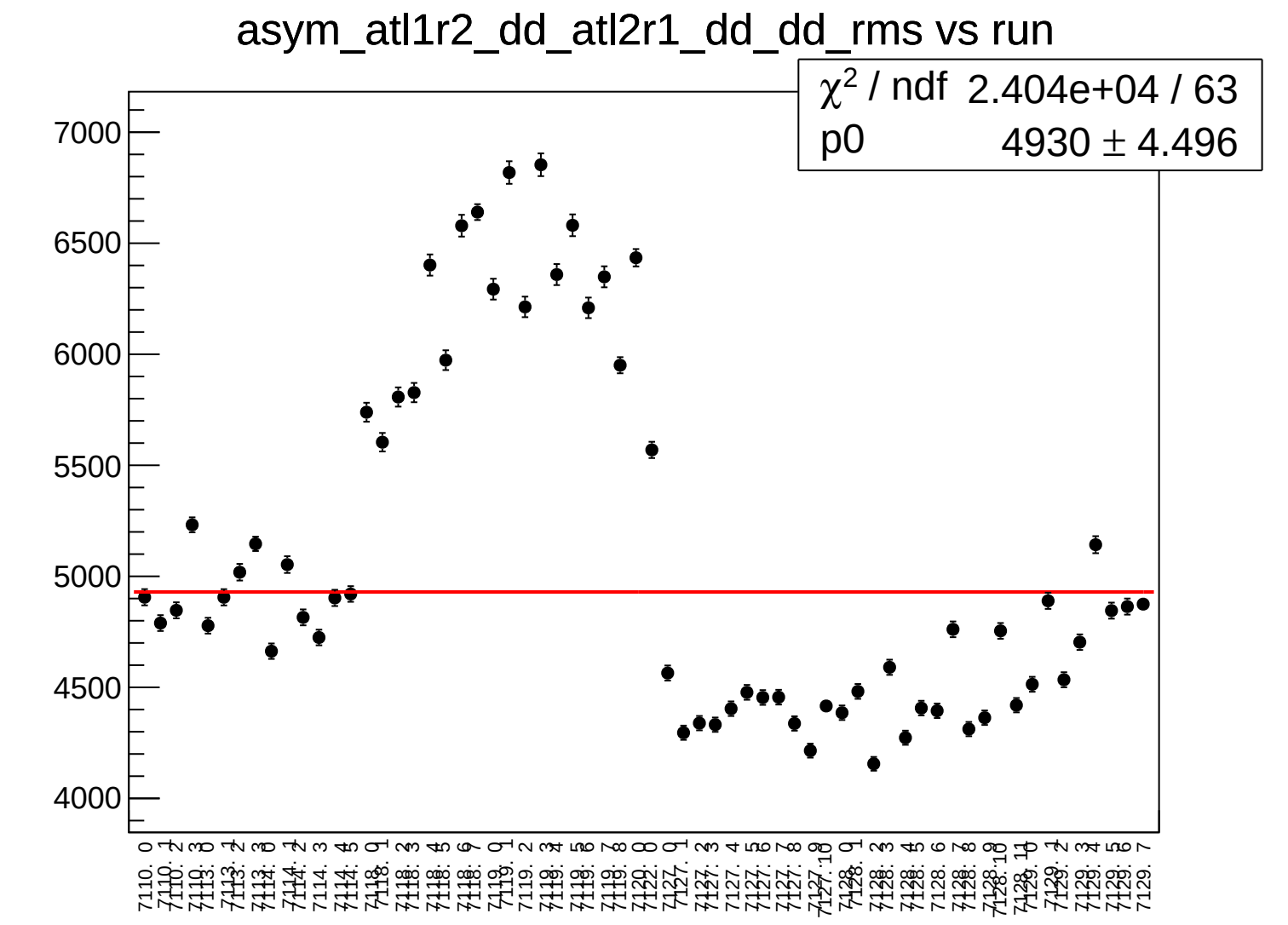

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.16 / 63
p0 2146 ± 6348
pull
Entries 64
Mean 97.21
Std Dev 0

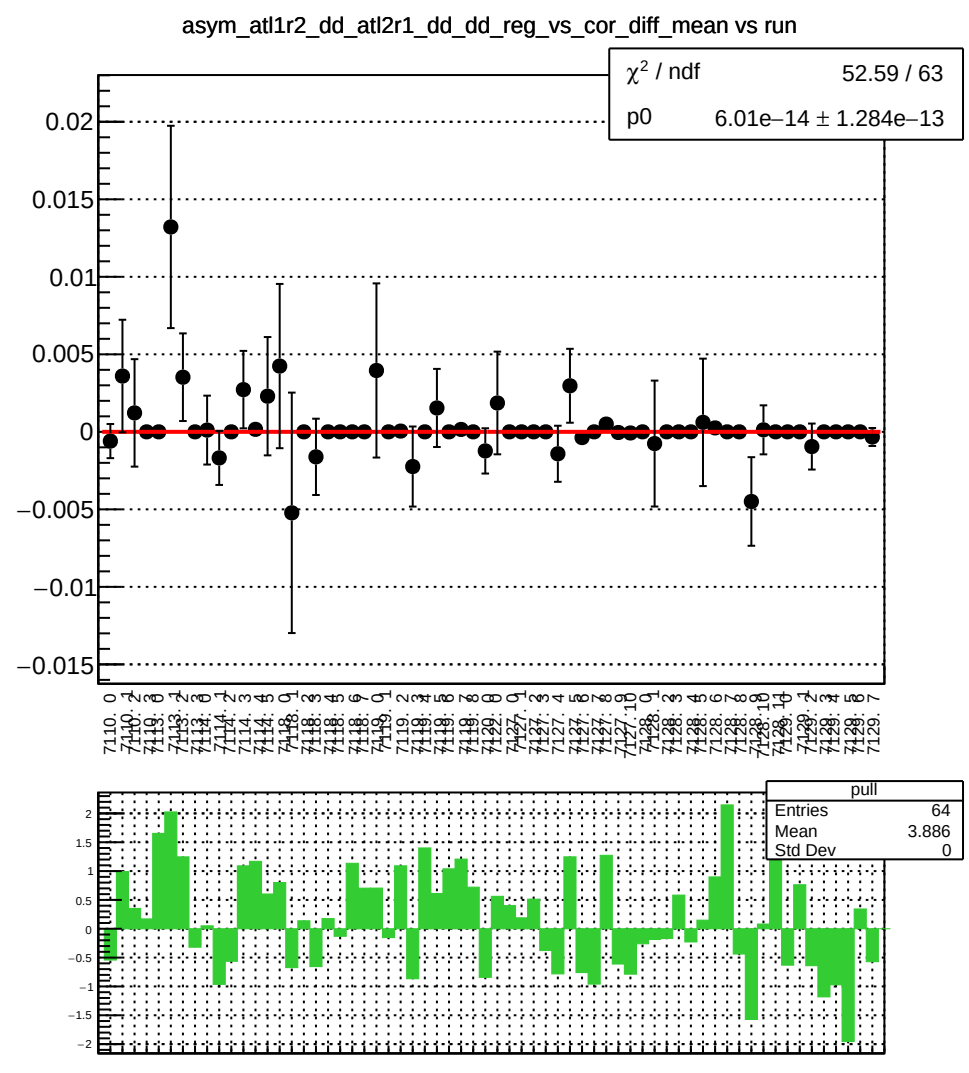

pull1D
Entries 64
Mean 0.02304
Std Dev 0.9281

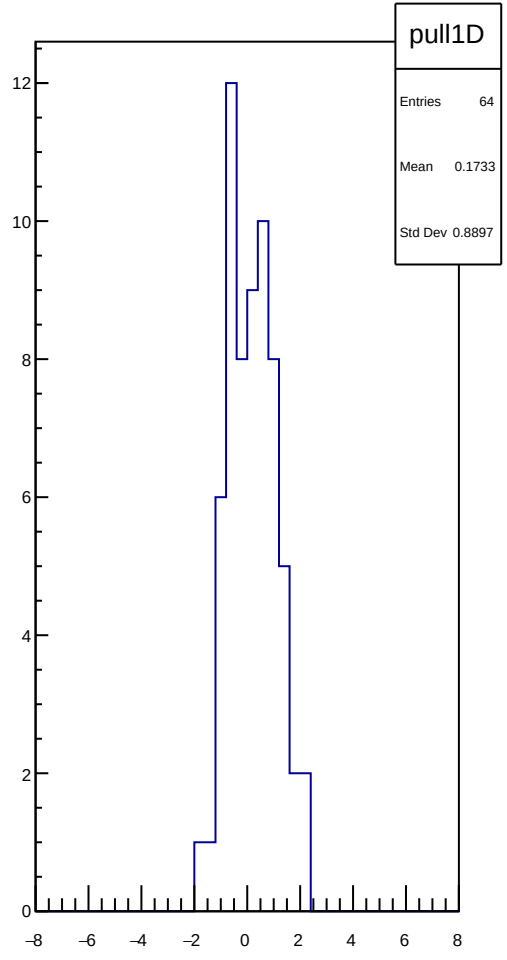

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.674e+04 / 63
p0 4916 ± 4.488
7000
6500
6000
5500
5000
4500
4000

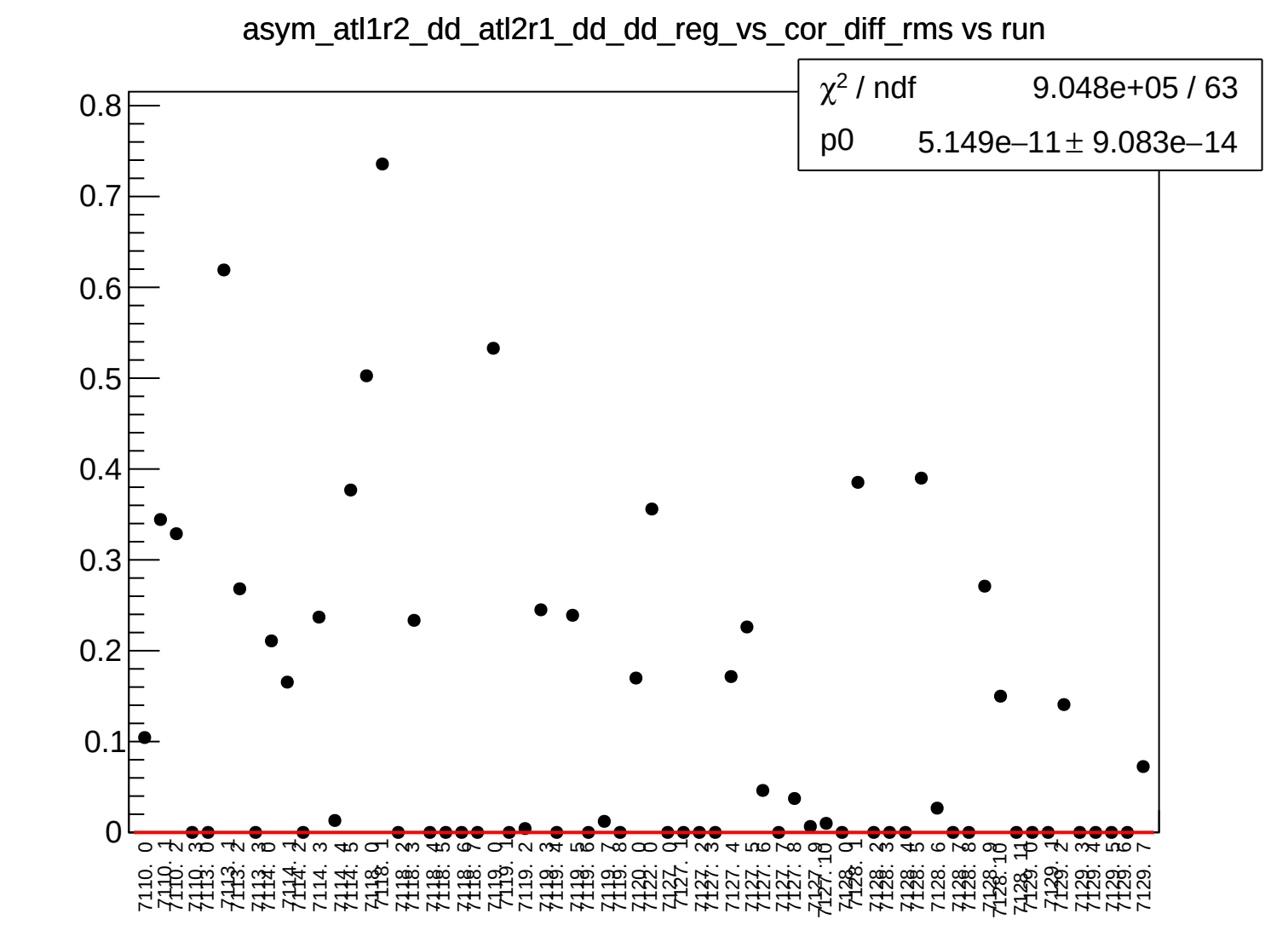

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 54.48 / 63
p0 −5357 ± 6358
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 62.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

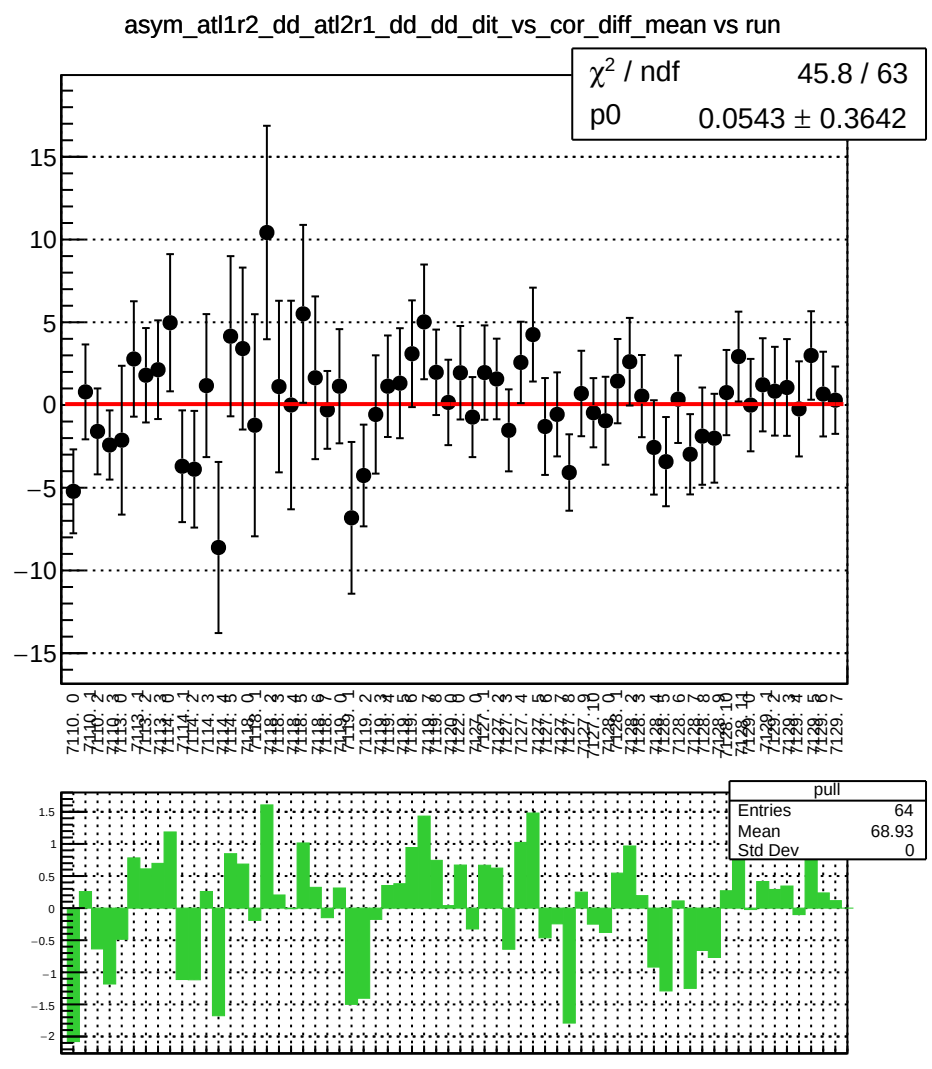

pull1D
Entries 64
Mean −0.02568
Std Dev 0.9223
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

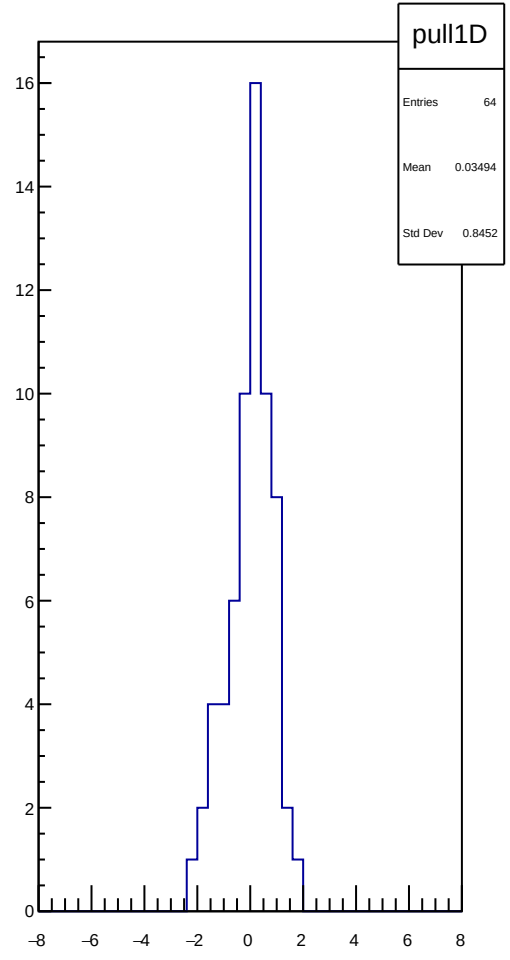

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2.404e+04 / 63
p0 4930 ± 4.496
7000
6500
6000
5500
5000
4500
4000

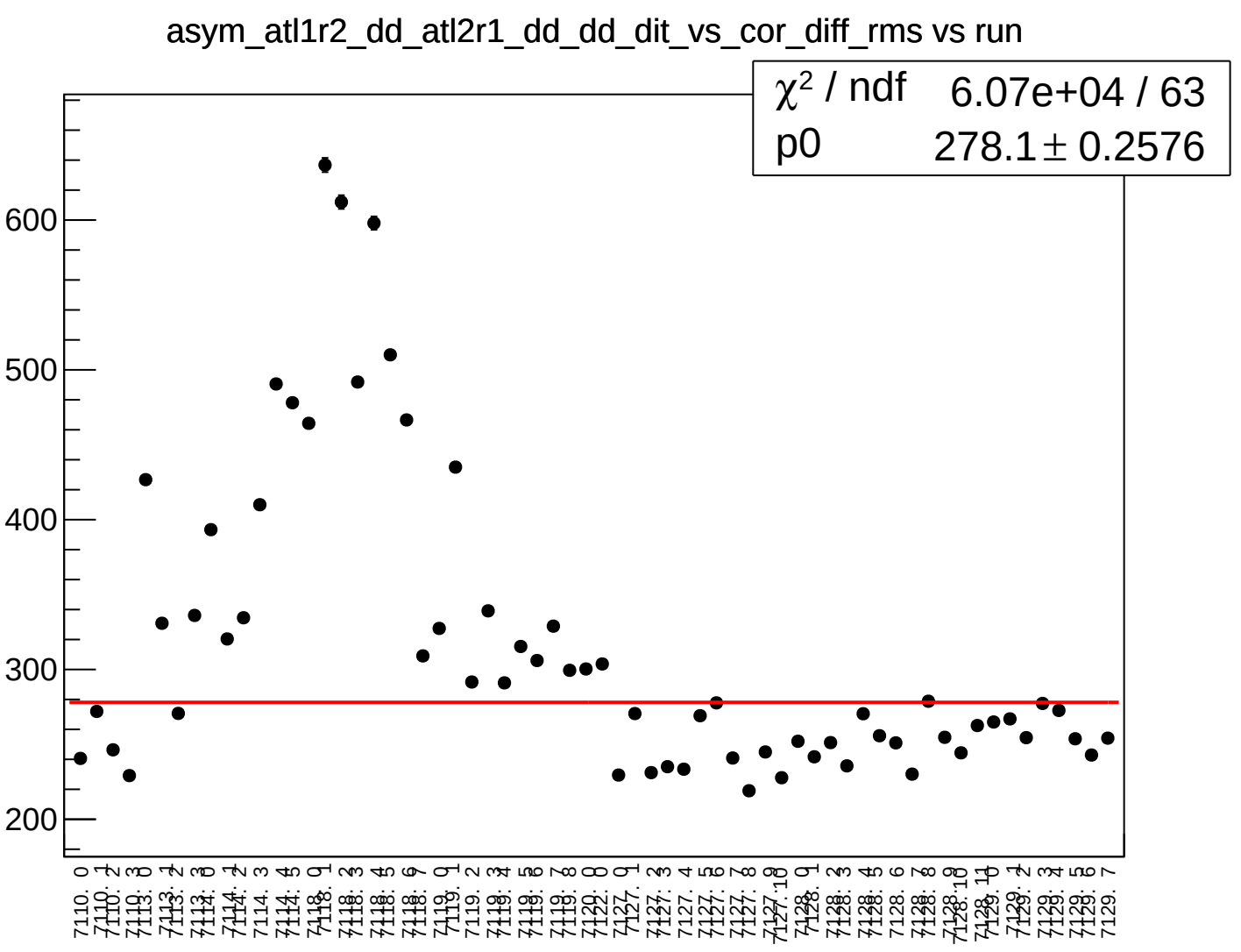

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.59 / 63
p0 6.01e−14 ± 1.284e−13
pull
Entries 64
Mean 3.886
Std Dev 0

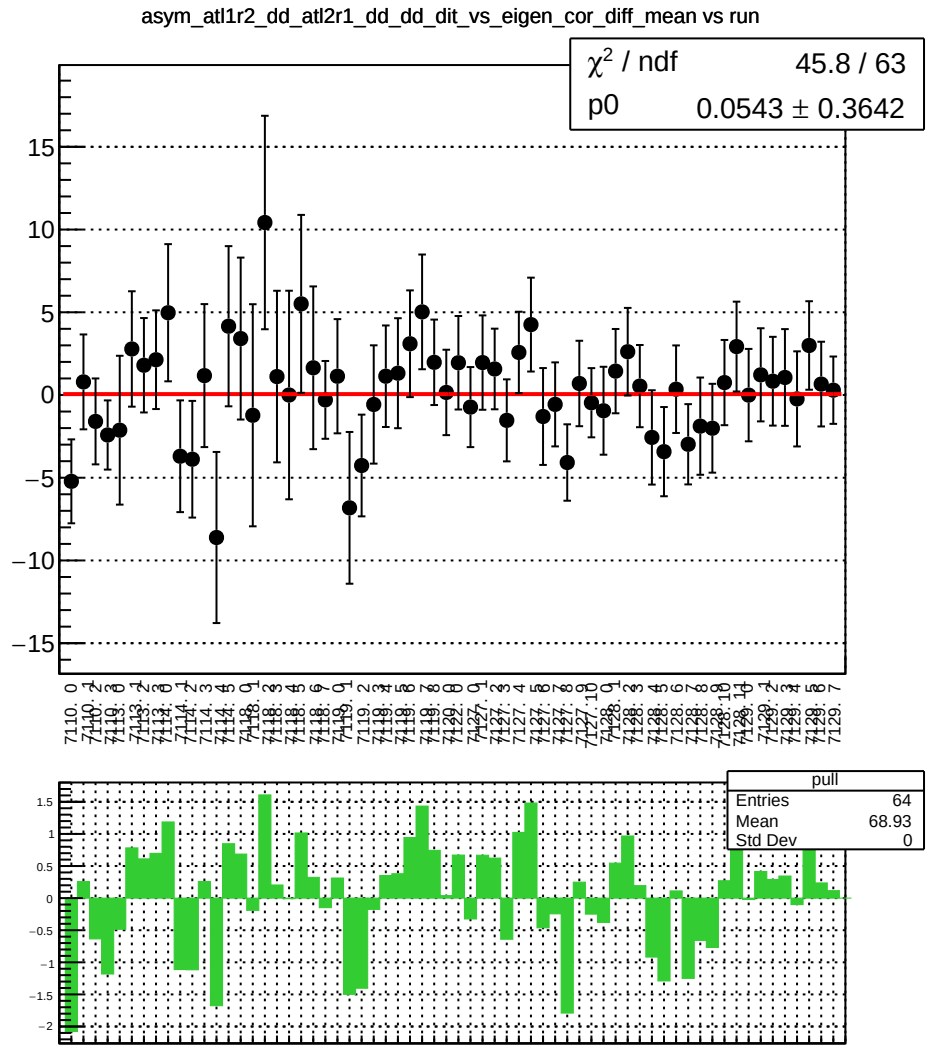

pull1D
Entries 64
Mean 0.1733
Std Dev 0.8897

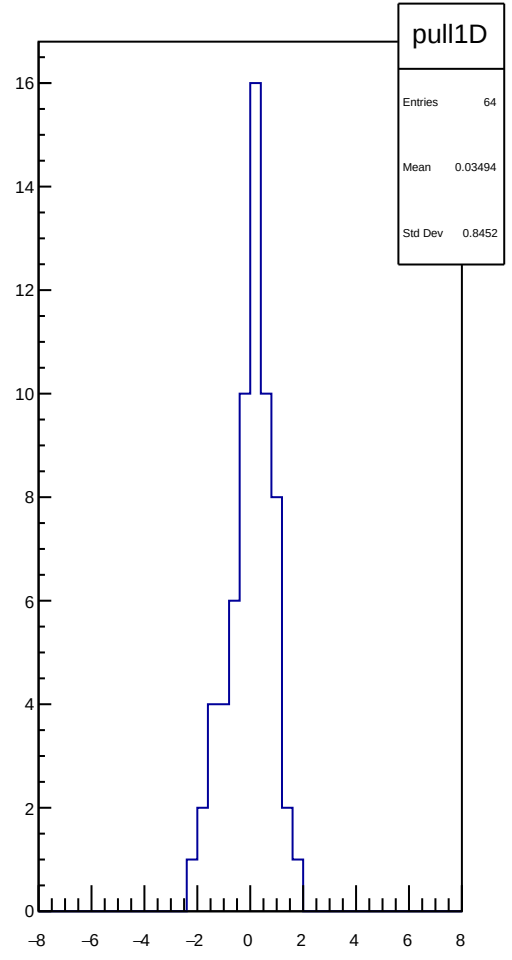

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.048e+05 / 63
p0 5.149e−11 ± 9.083e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

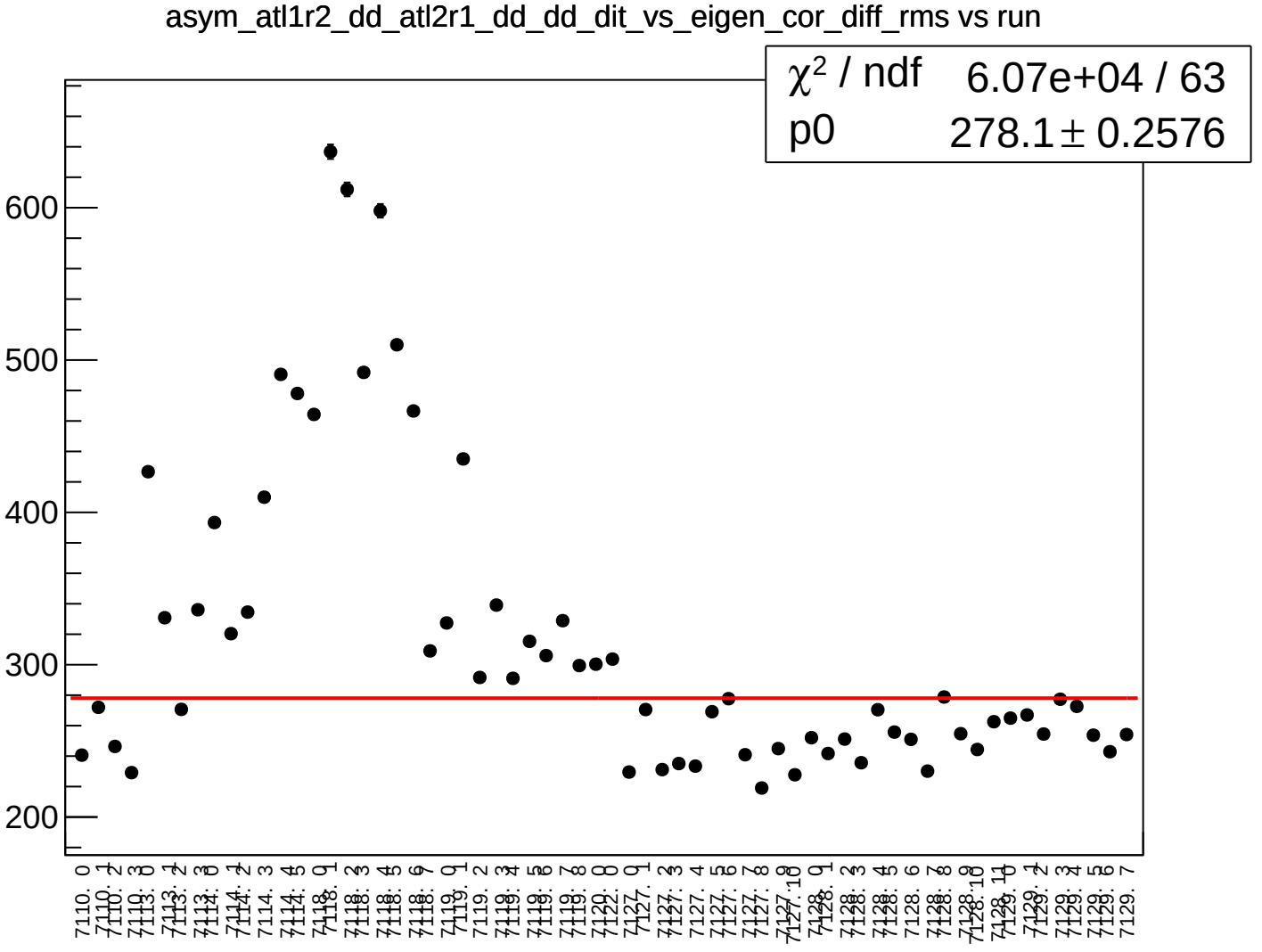

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.0543 ± 0.3642
pull
Entries 64
Mean 68.93
Std Dev 0

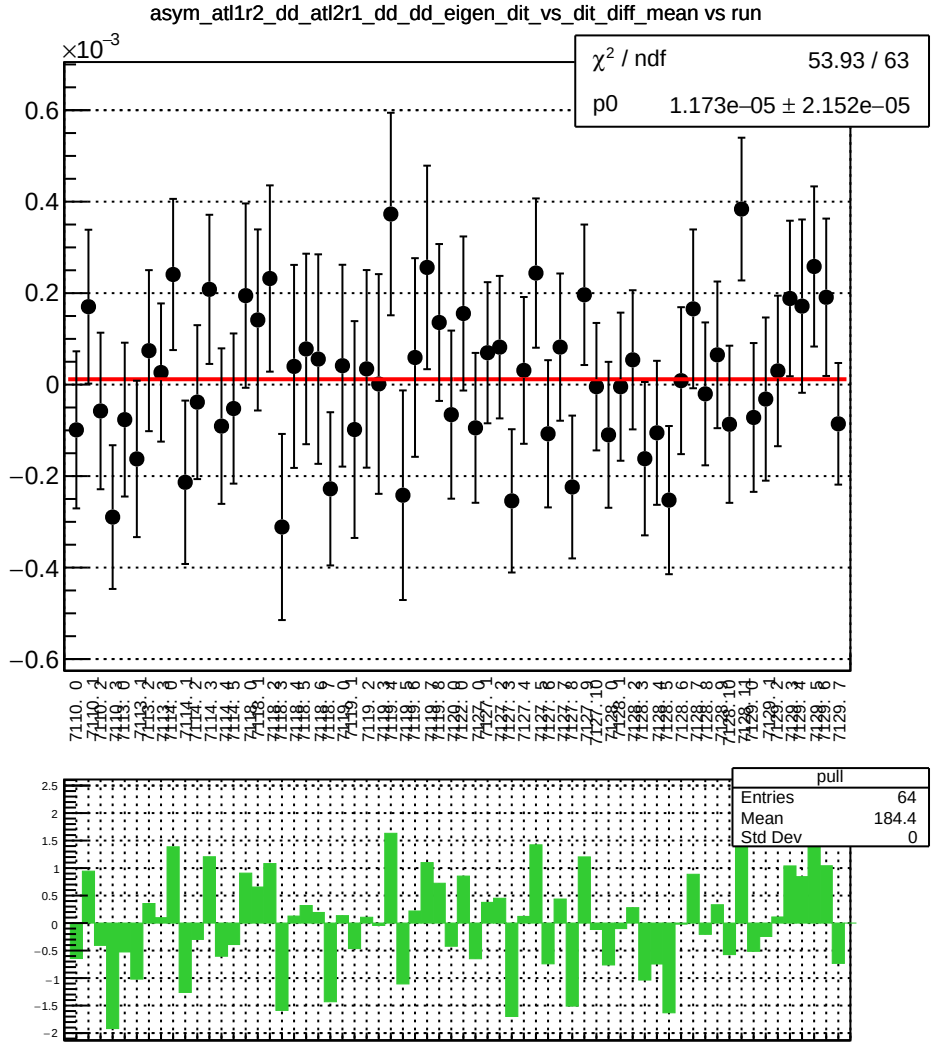

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

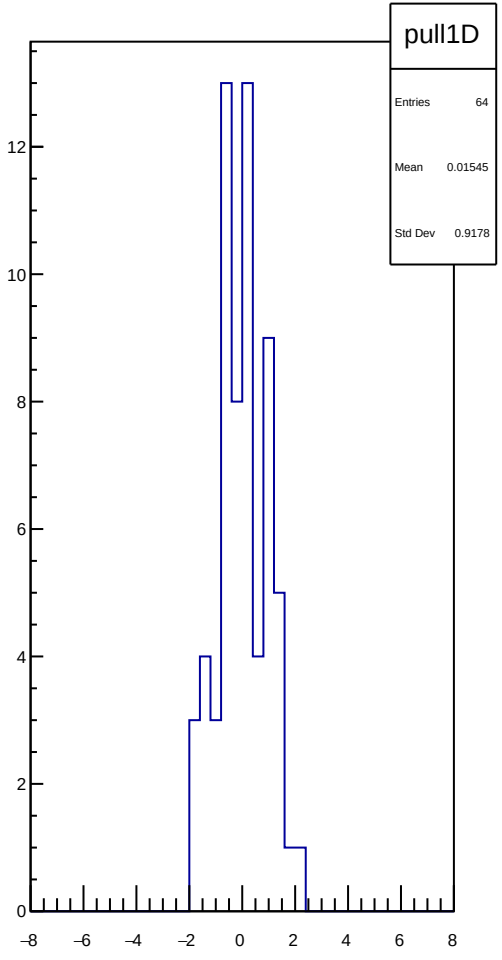

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

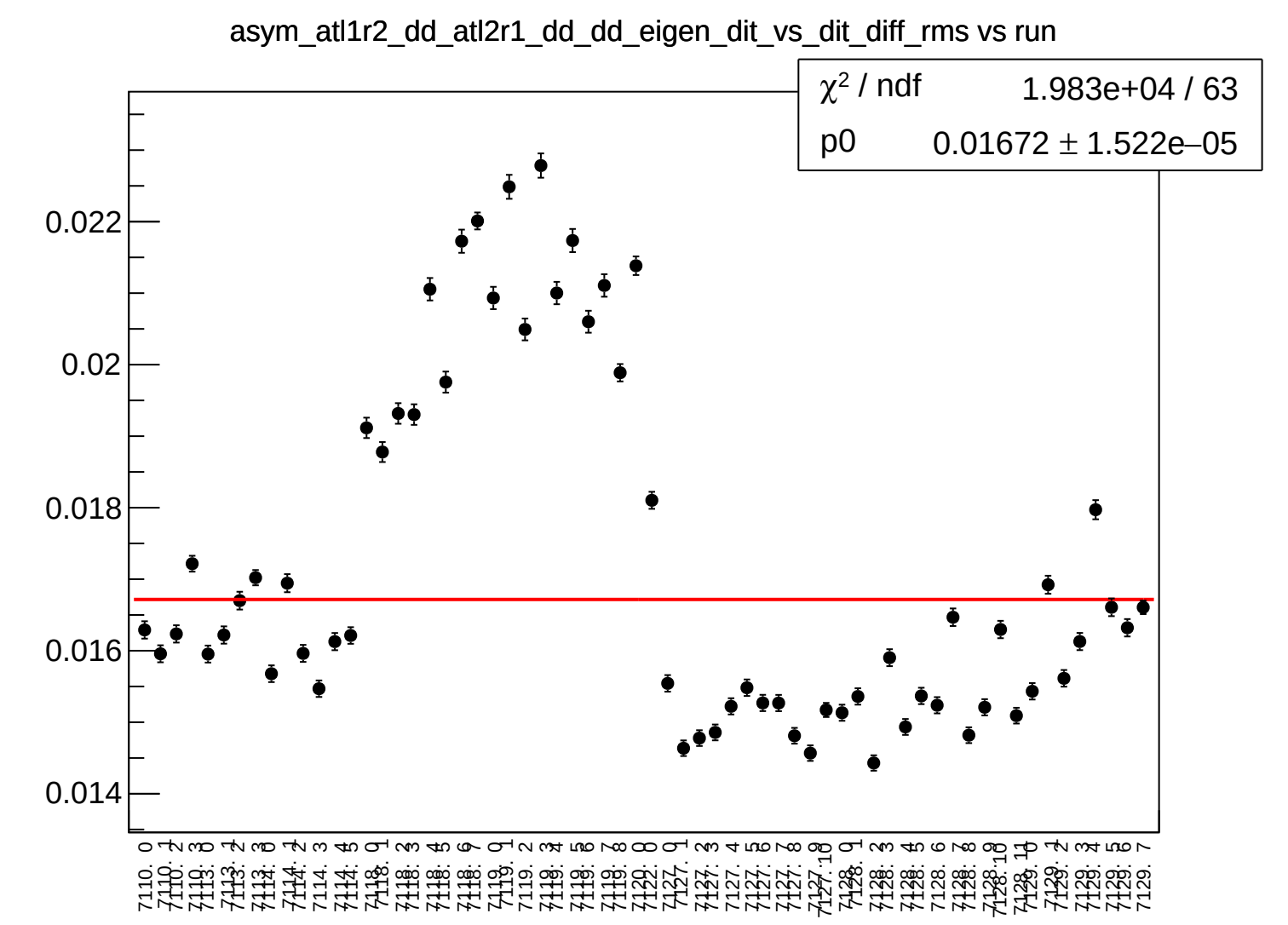

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.0543 ± 0.3642
pull
Entries 64
Mean 68.93
Std Dev 0

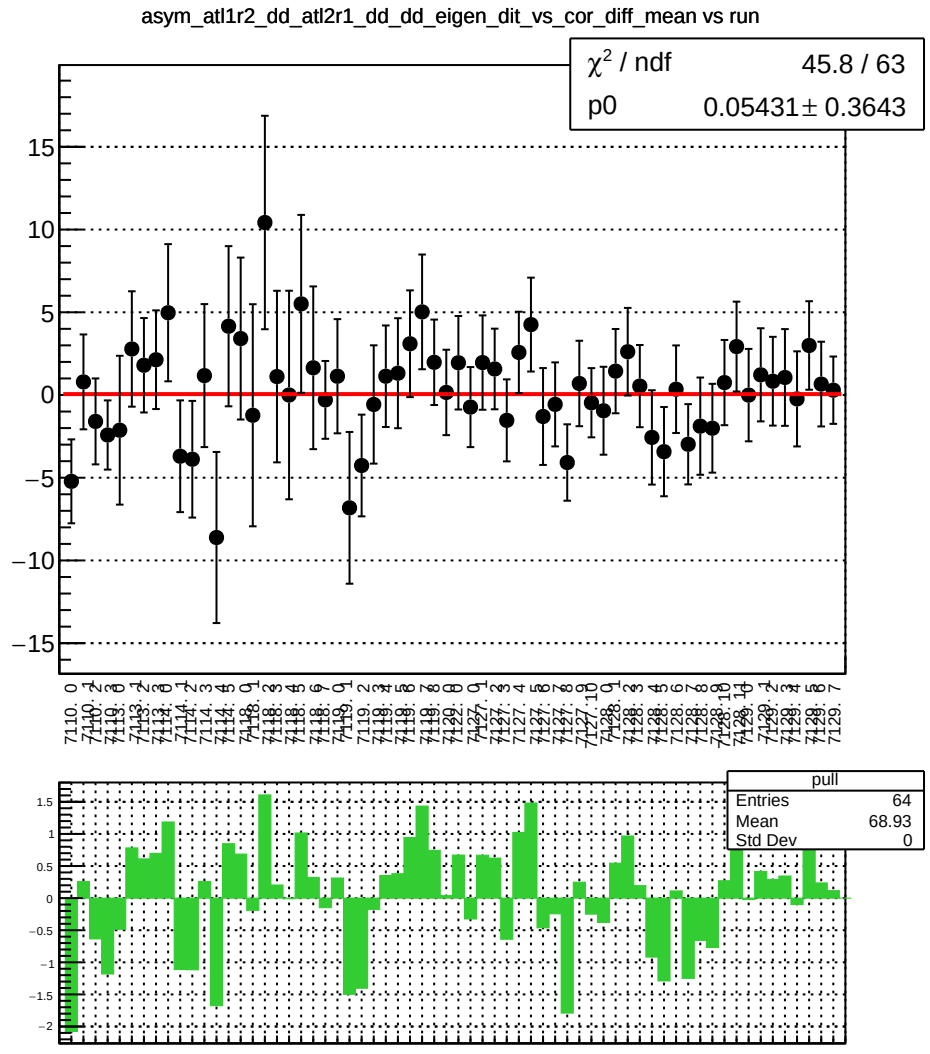

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

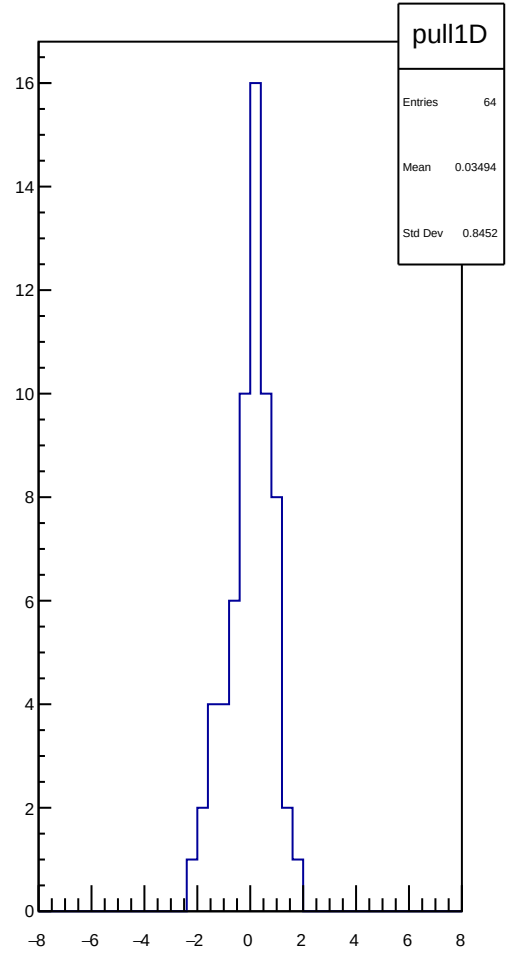

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

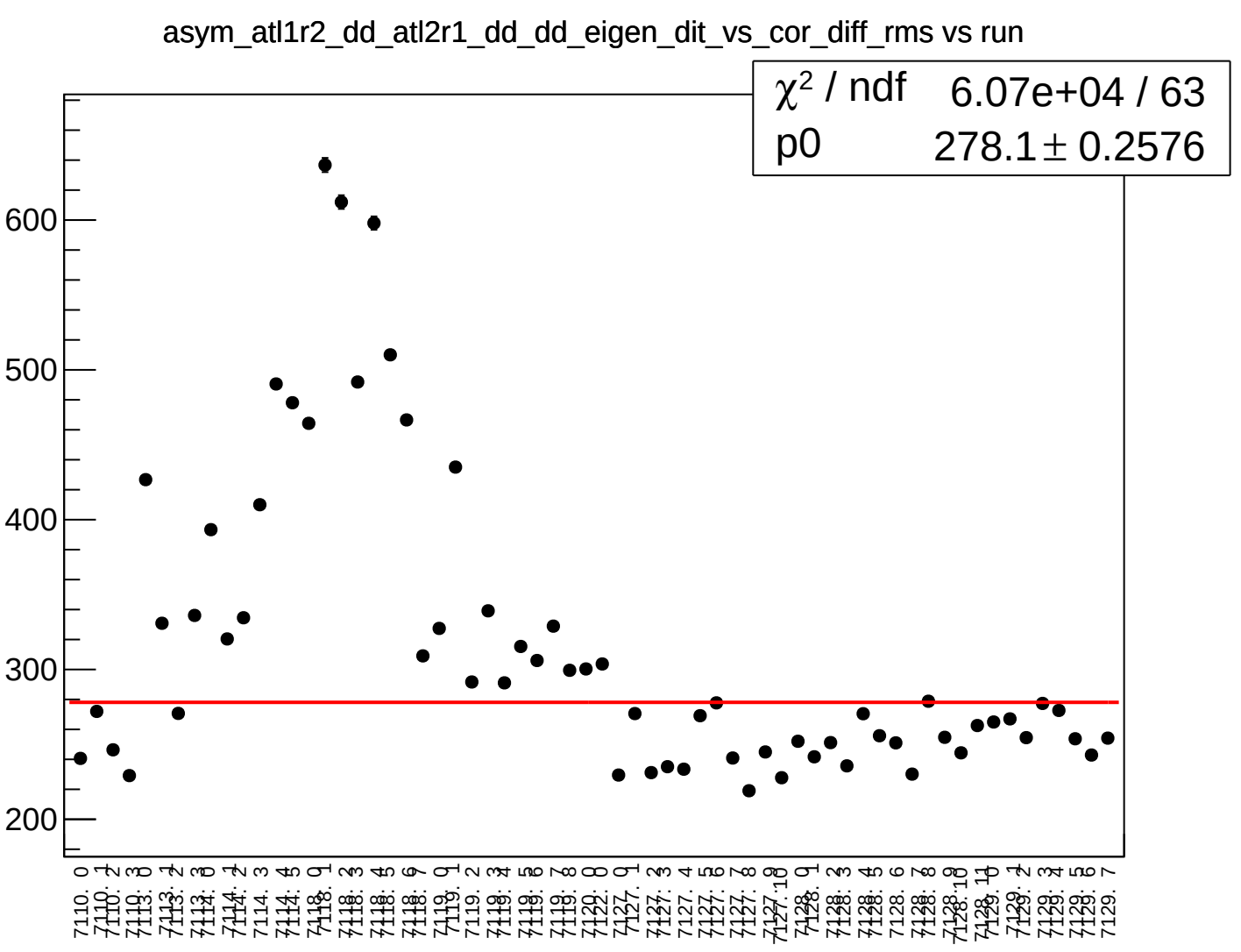

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.93 / 63
p0 1.173e−05 ± 2.152e−05
pull
Entries 64
Mean 184.4
Std Dev 0

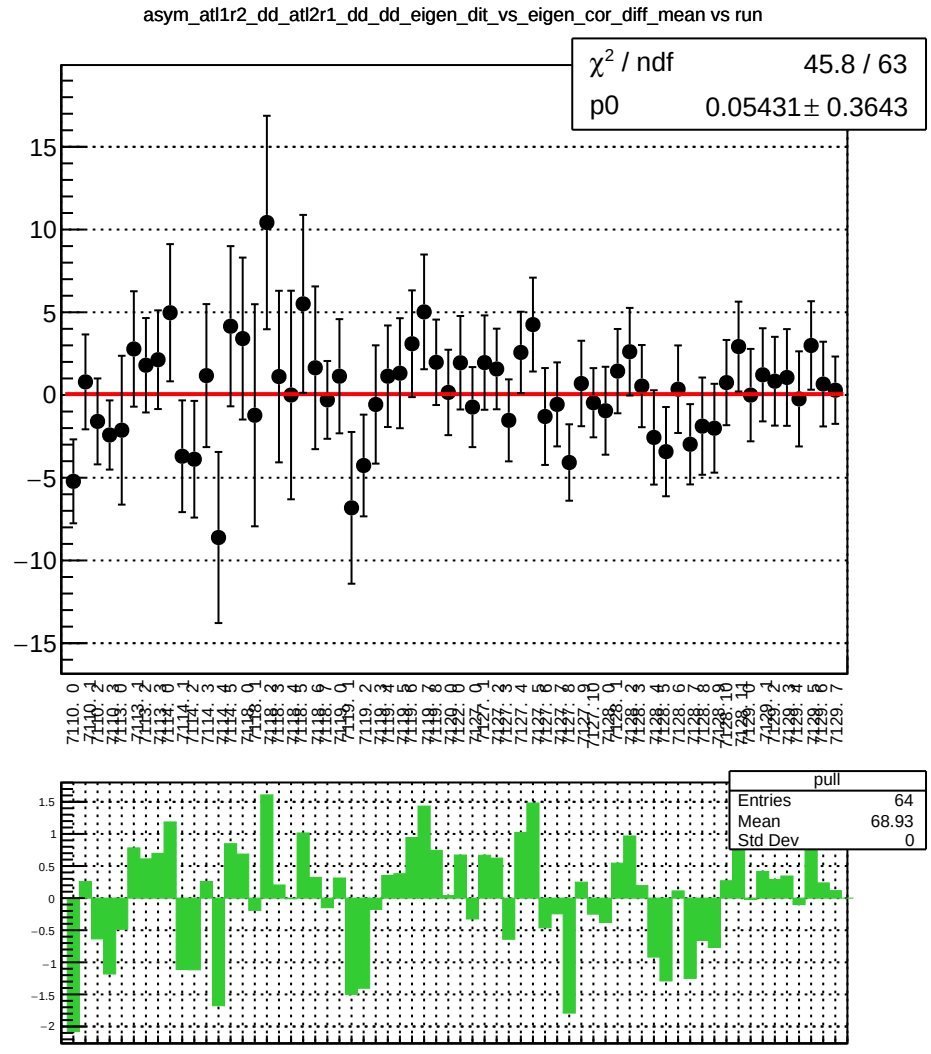

pull1D
Entries 64
Mean 0.01545
Std Dev 0.9178

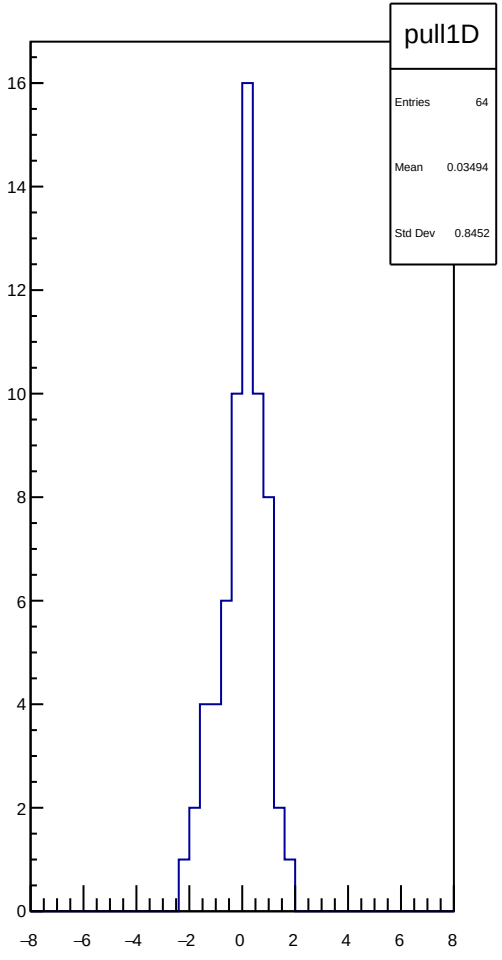

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.983e+04 / 63
p0 0.01672 ± 1.522e−05
0.022
0.02
0.018
0.016
0.014

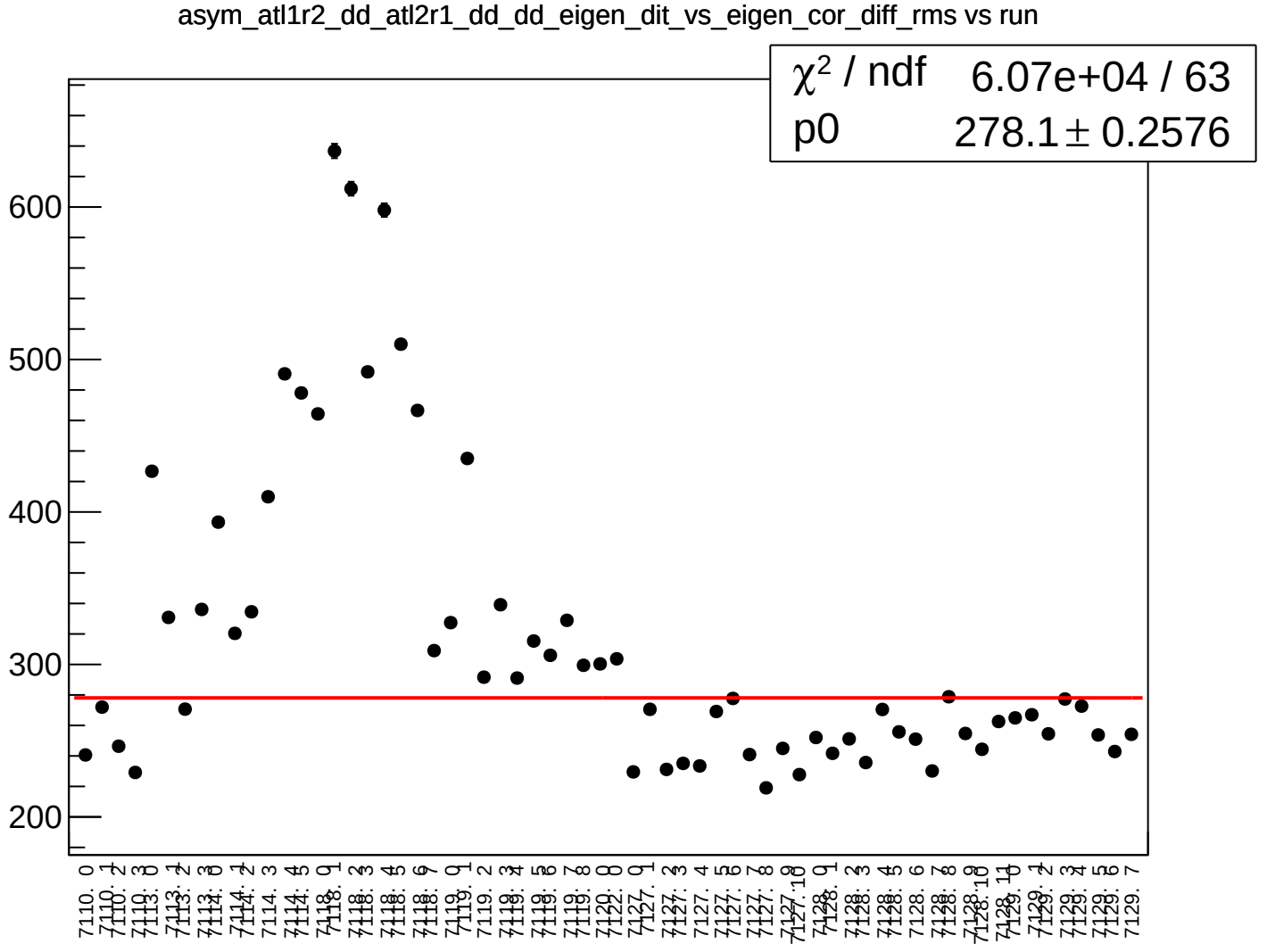

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.05431 ± 0.3643
pull
Entries 64
Mean 68.93
Std Dev 0

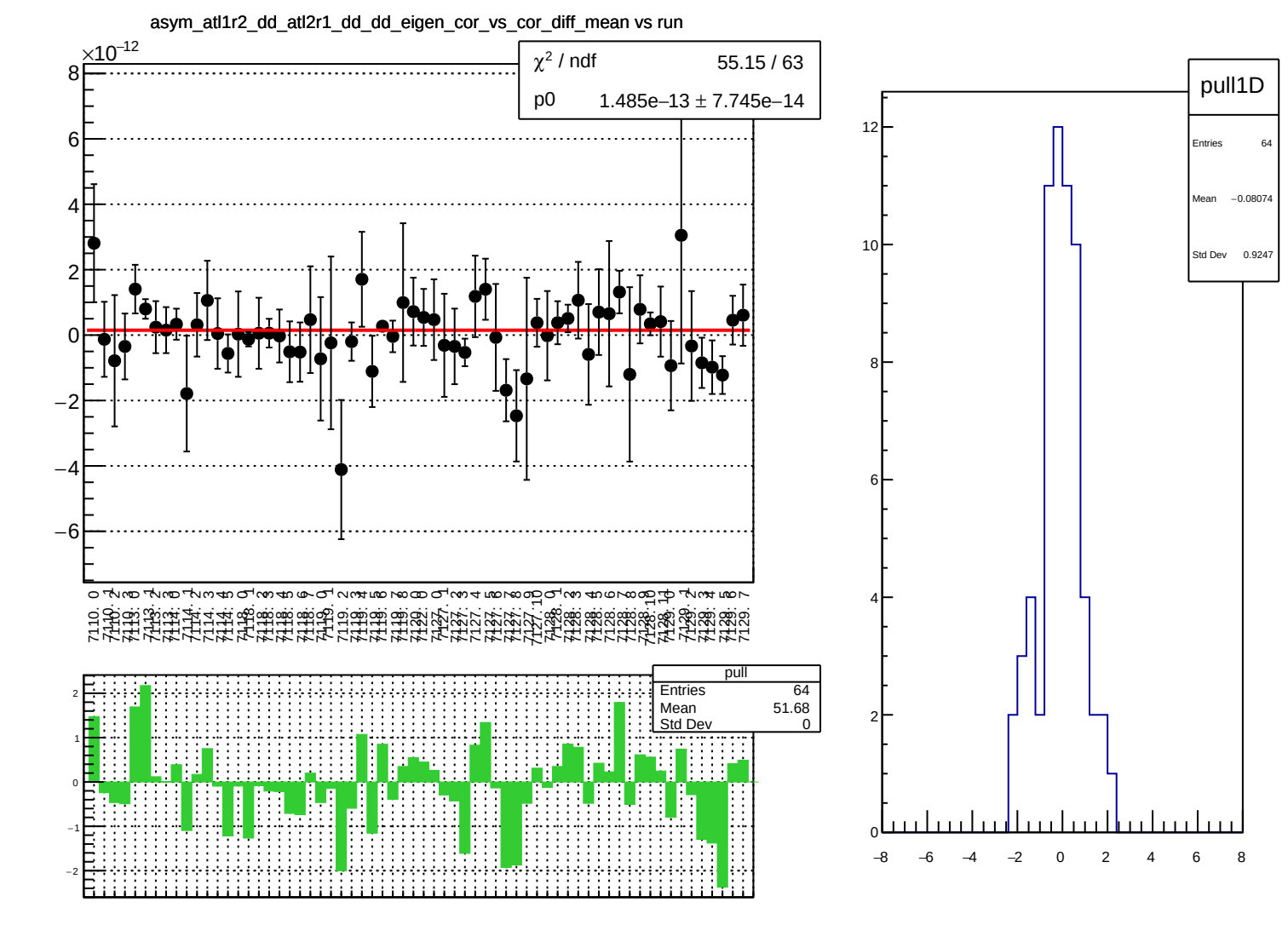

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

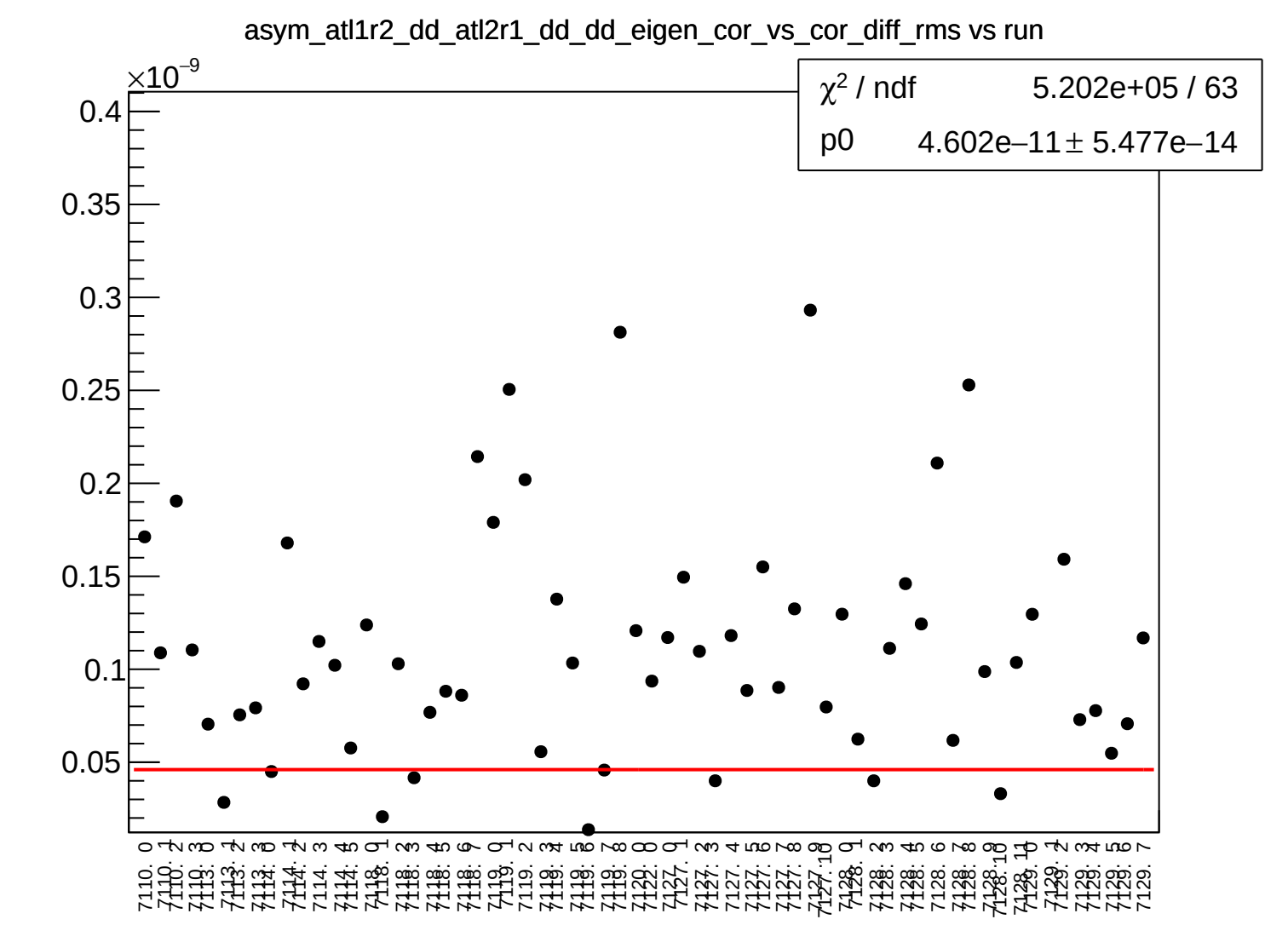

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

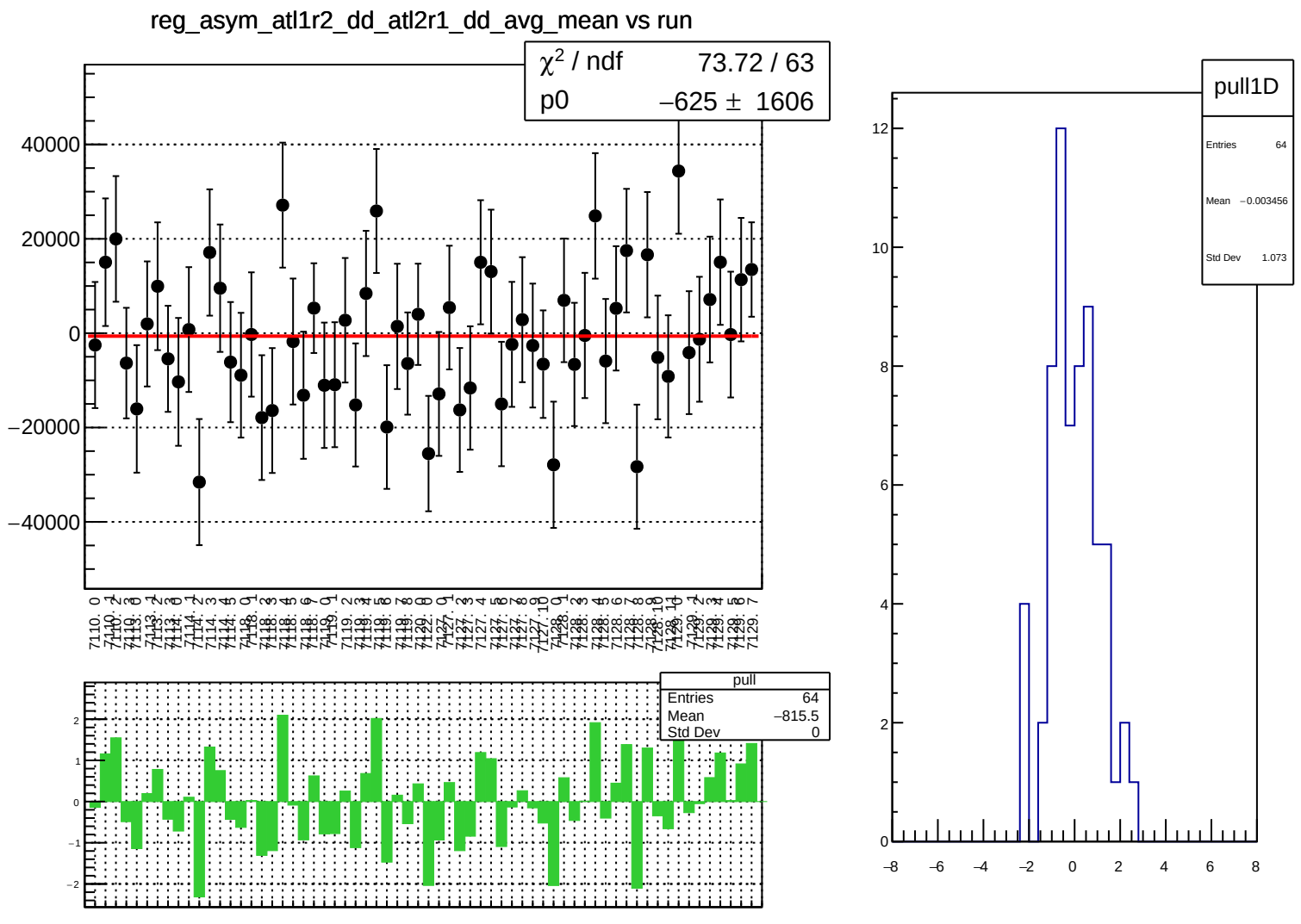

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.8 / 63
p0 0.05431 ± 0.3643
pull
Entries 64
Mean 68.93
Std Dev 0

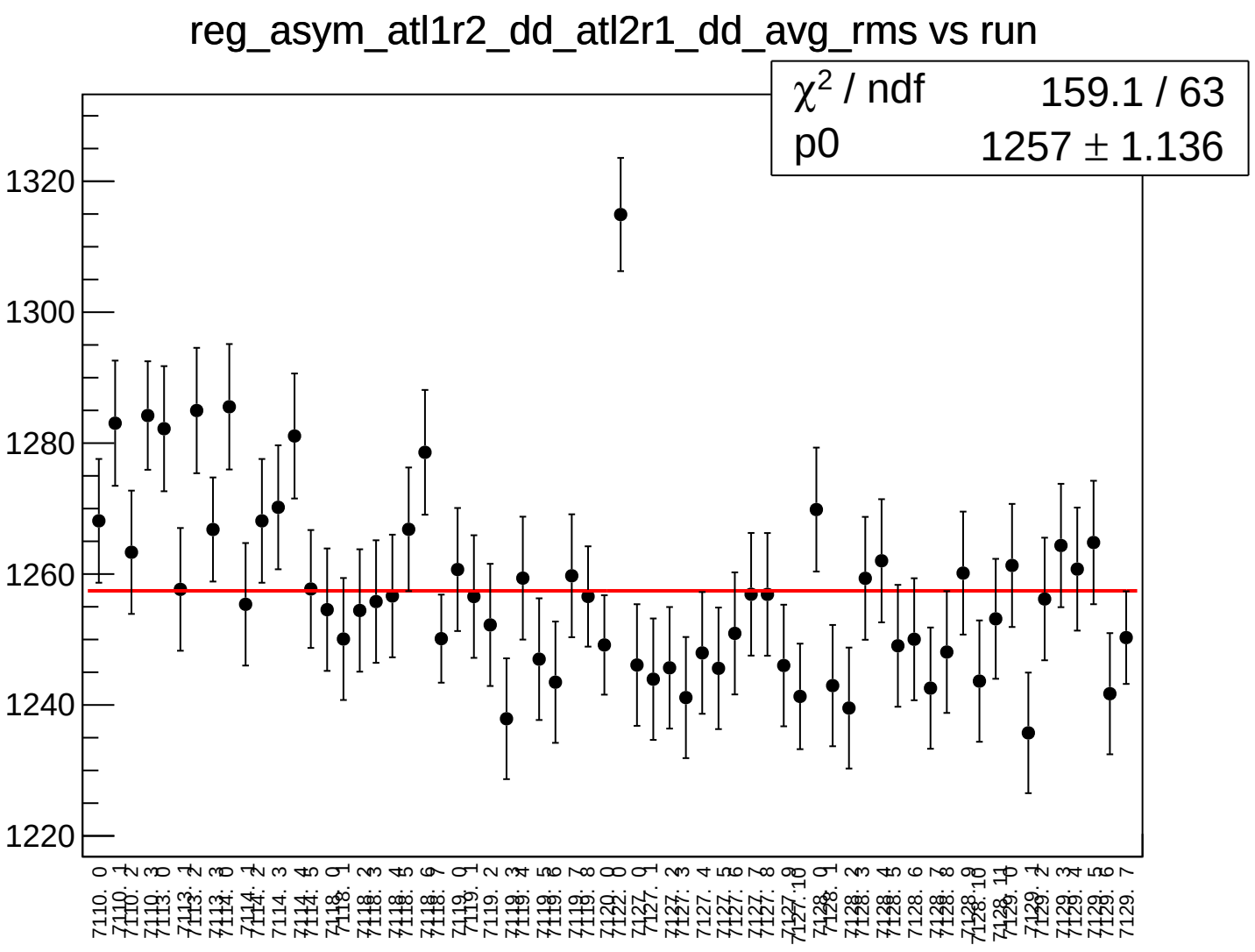

pull1D
Entries 64
Mean 0.03494
Std Dev 0.8452

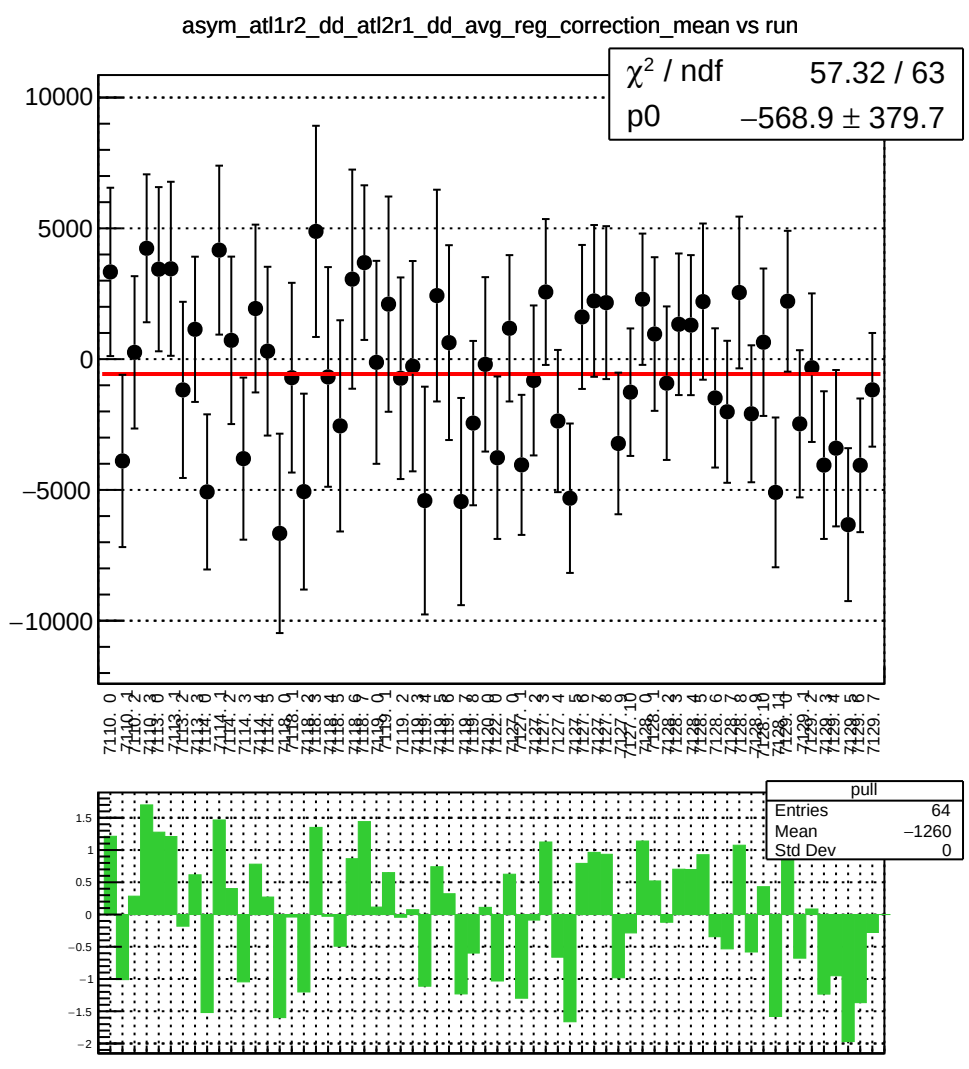

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.07e+04 / 63
p0 278.1 ± 0.2576
600
500
400
300
200

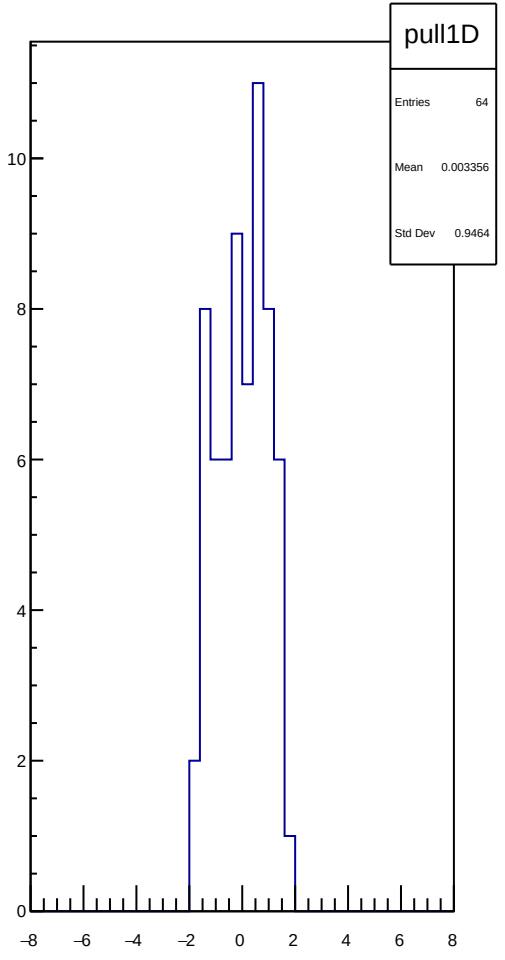

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.15 / 63
p0 1.485e−13 ± 7.745e−14
pull
Entries 64
Mean 51.68
Std Dev 0
pull1D
Entries 64
Mean −0.08074
Std Dev 0.9247

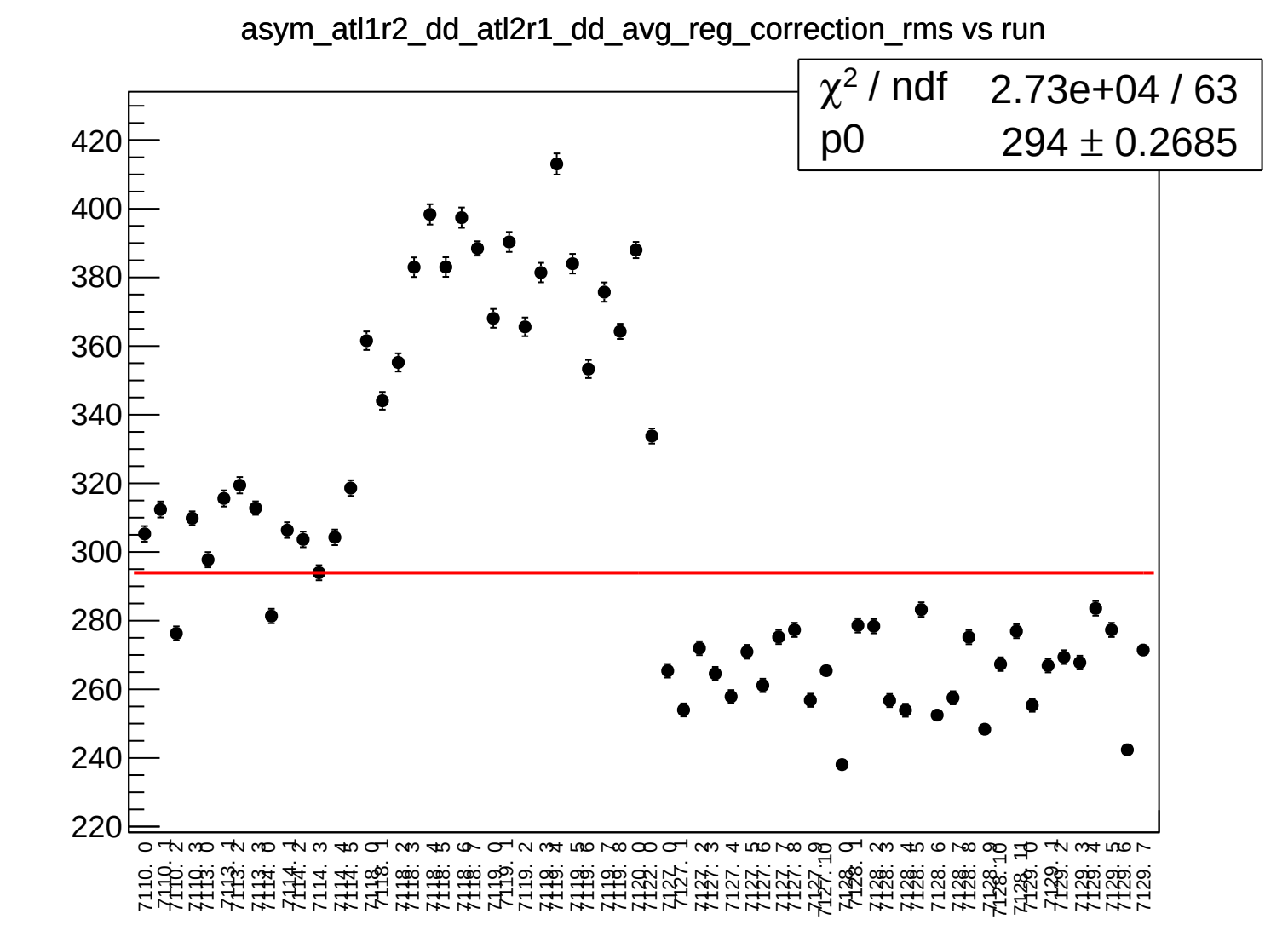

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.202e+05 / 63
p0 4.602e−11 ± 5.477e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

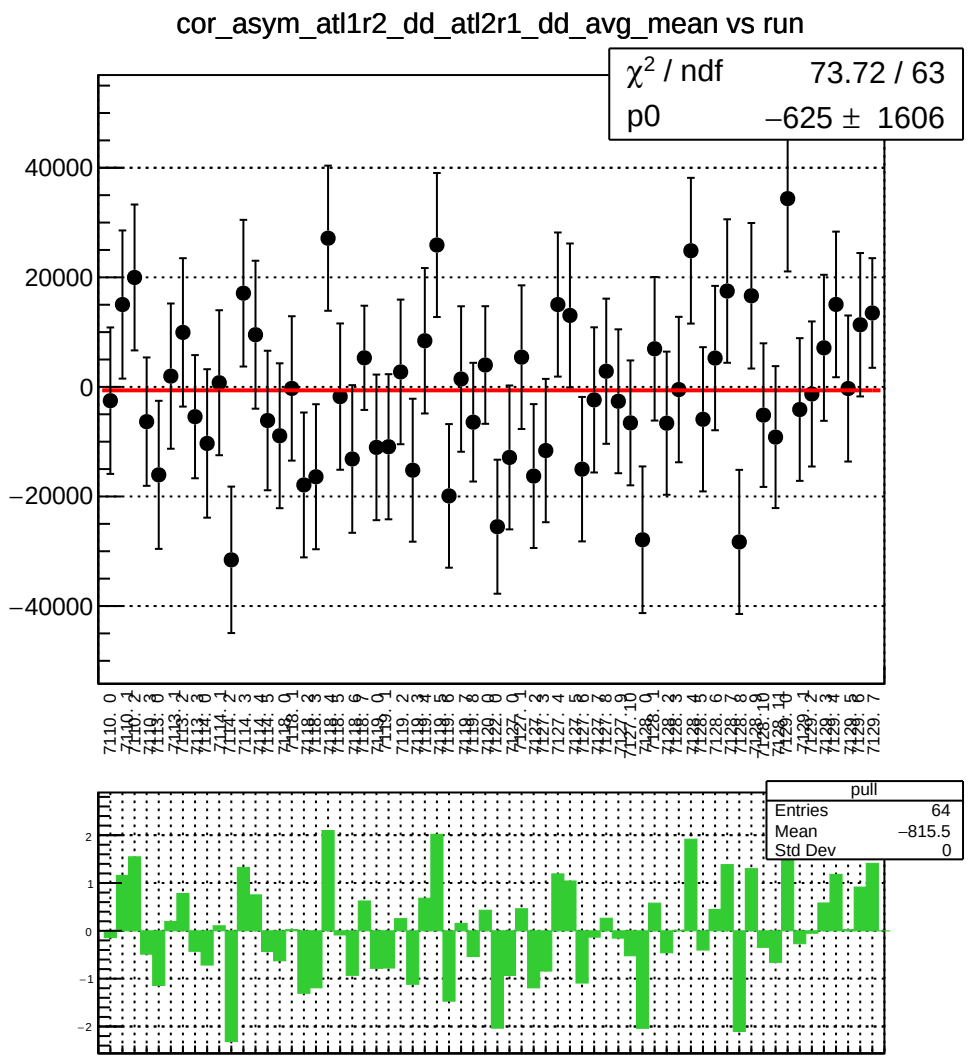

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 73.72 / 63
p0 −625 ± 1606
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −815.5
Std Dev 0
pull1D
Entries 64
Mean −0.003456
Std Dev 1.073

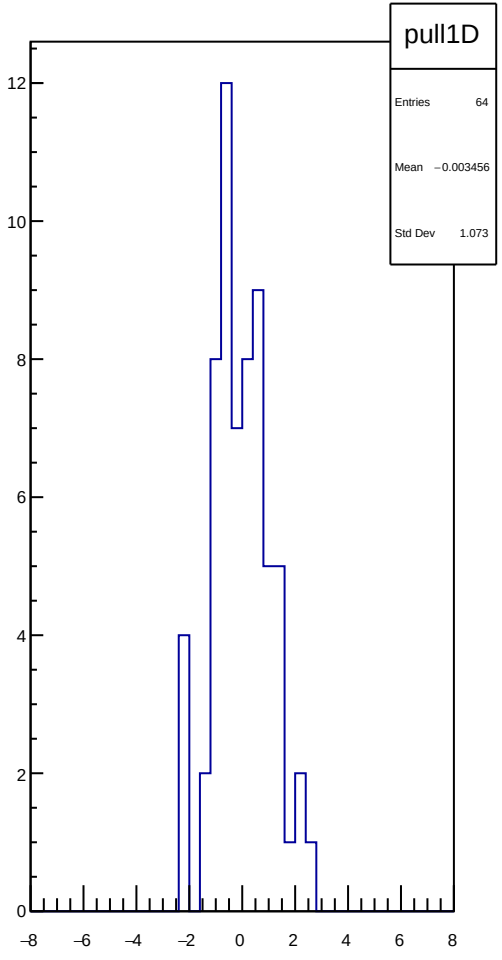

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 159.1 / 63
p0 1257 ± 1.136
1320
1300
1280
1260
1240
1220

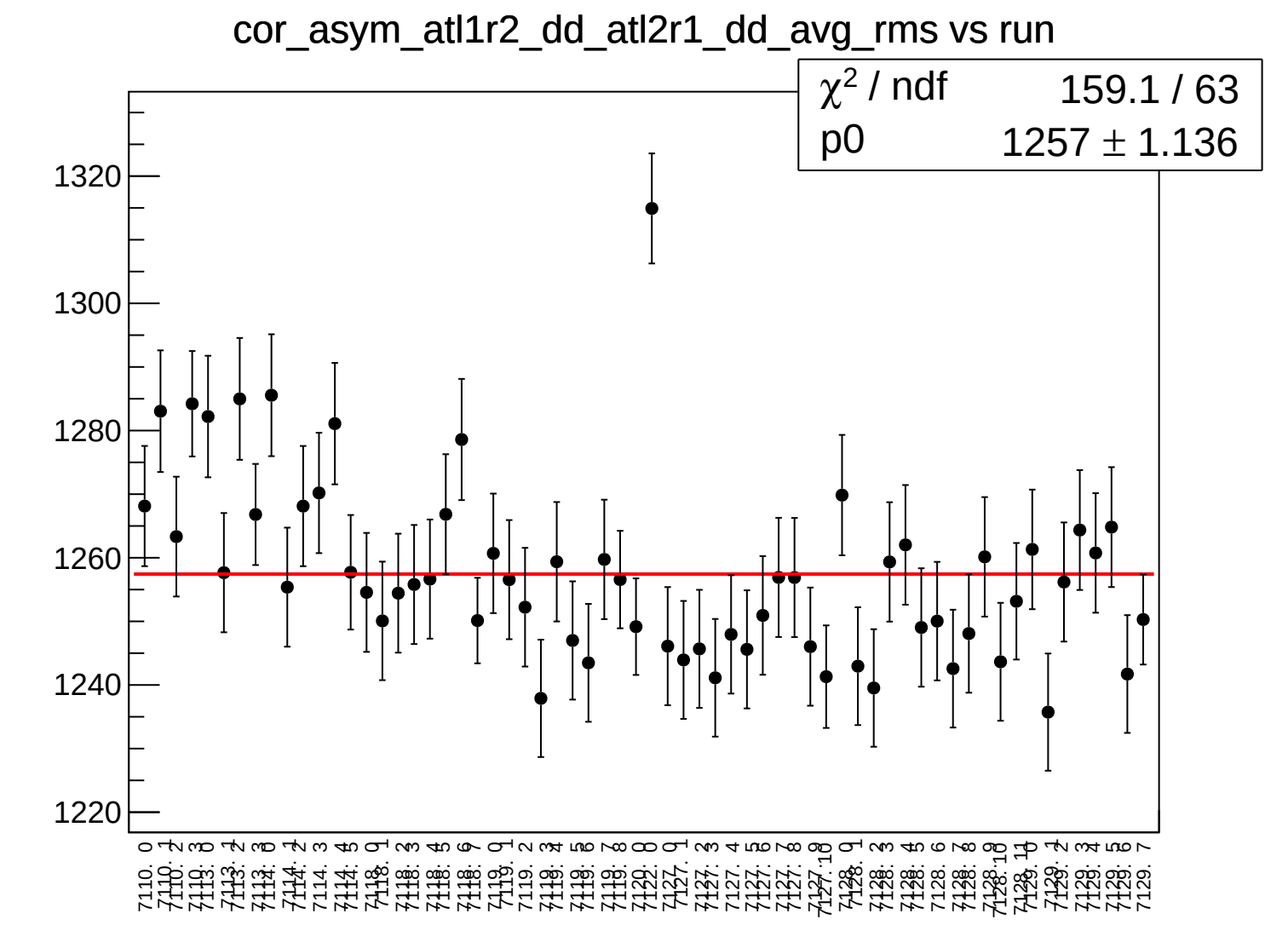

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 57.32 / 63
p0 −568.9 ± 379.7
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1260
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

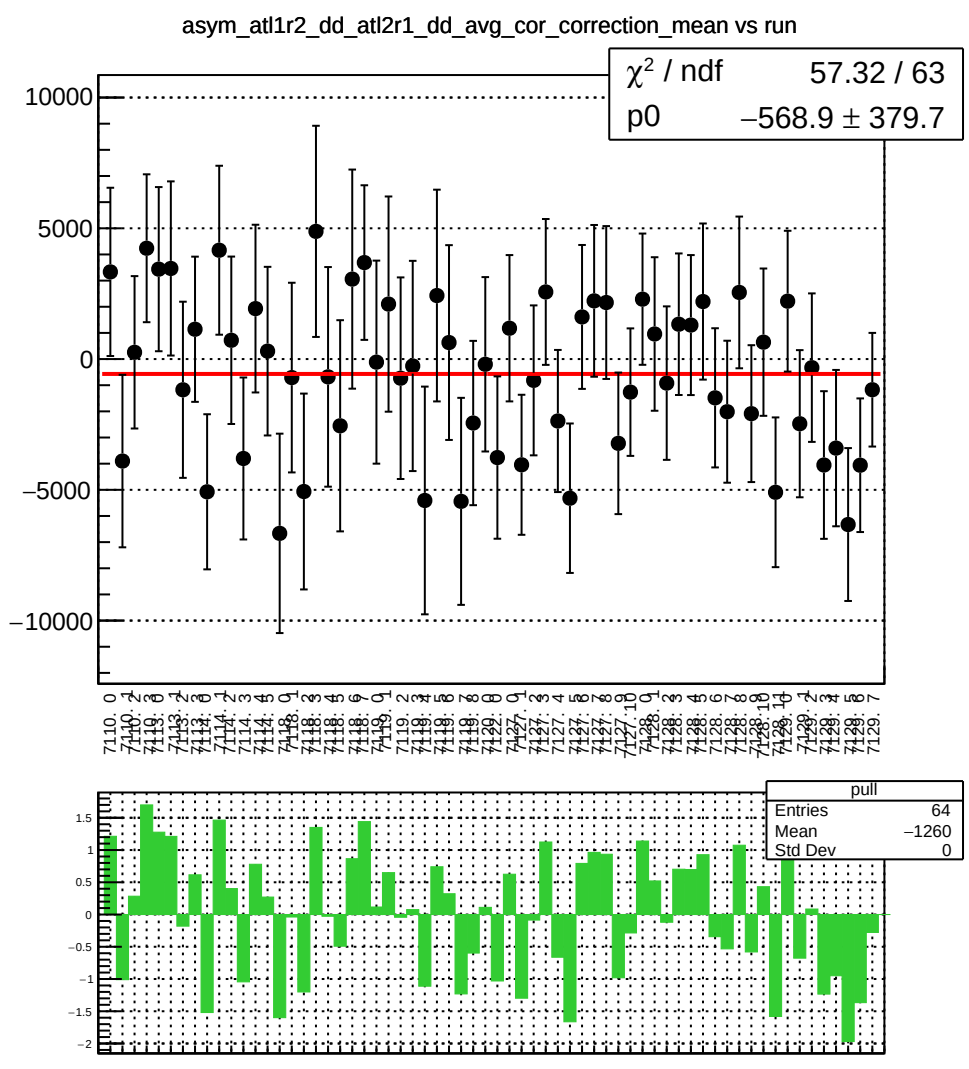

pull1D
Entries 64
Mean 0.003356
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

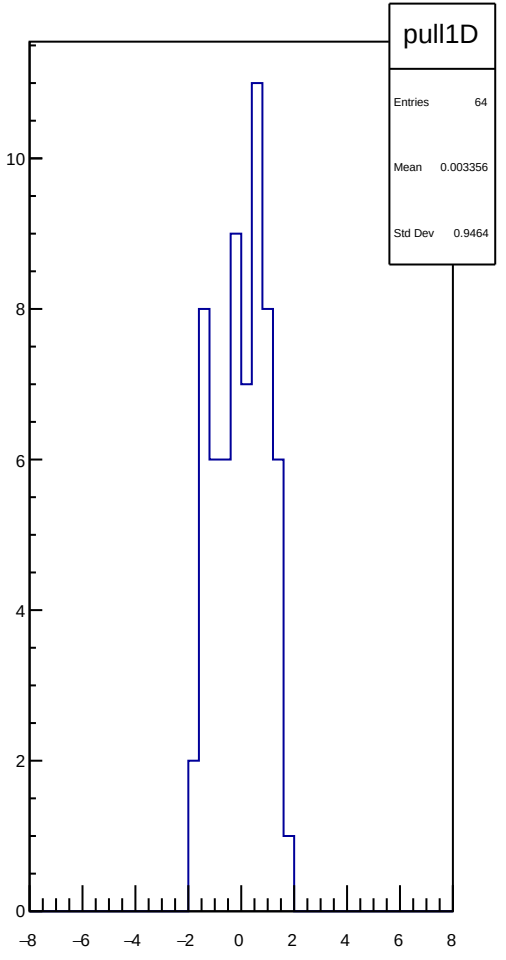

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 2.73e+04 / 63
p0 294 ± 0.2685
420
400
380
360
340
320
300
280
260
240
220

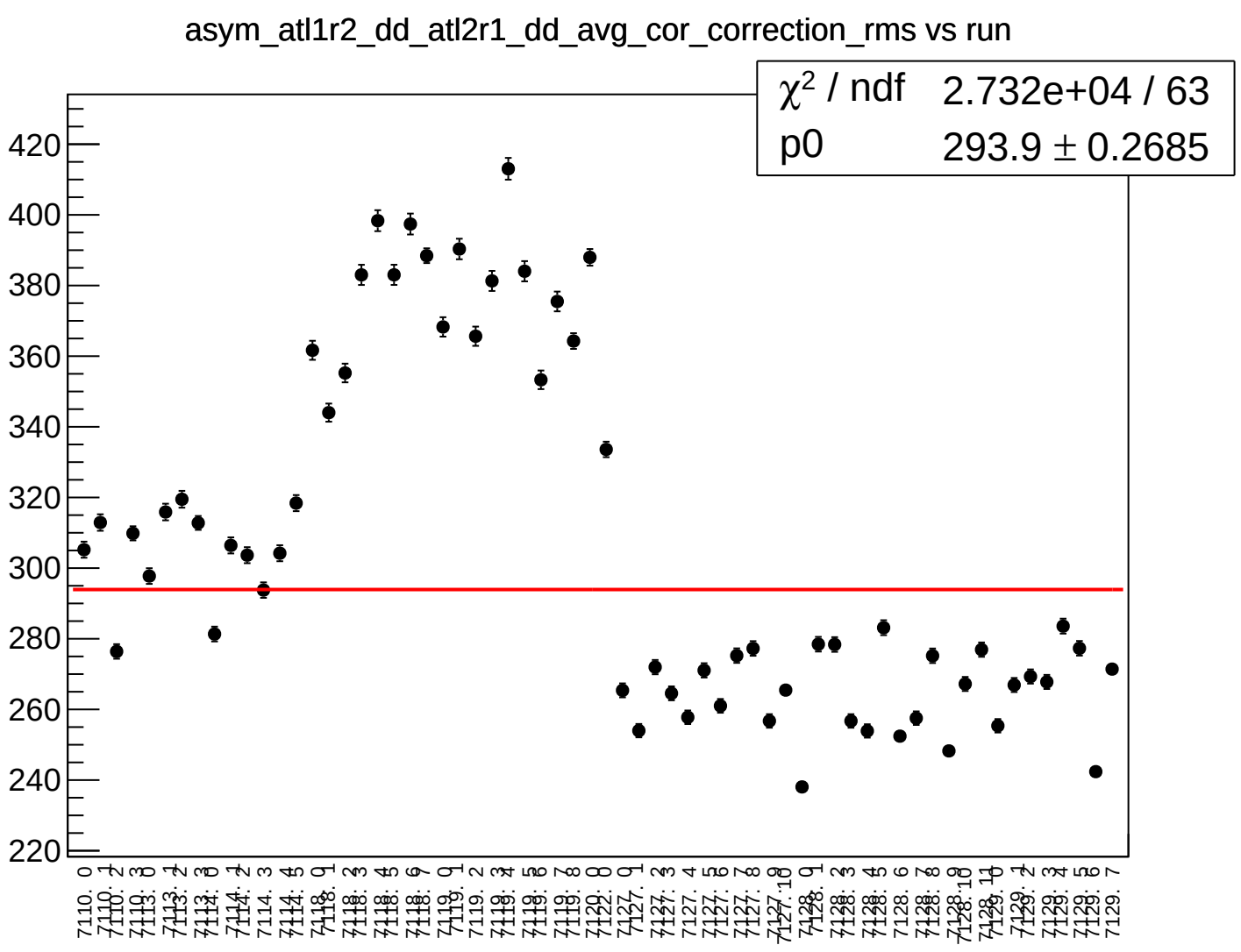

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 73.72 / 63
p0 −625 ± 1606
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −815.5
Std Dev 0
2
1
0
−1
−2

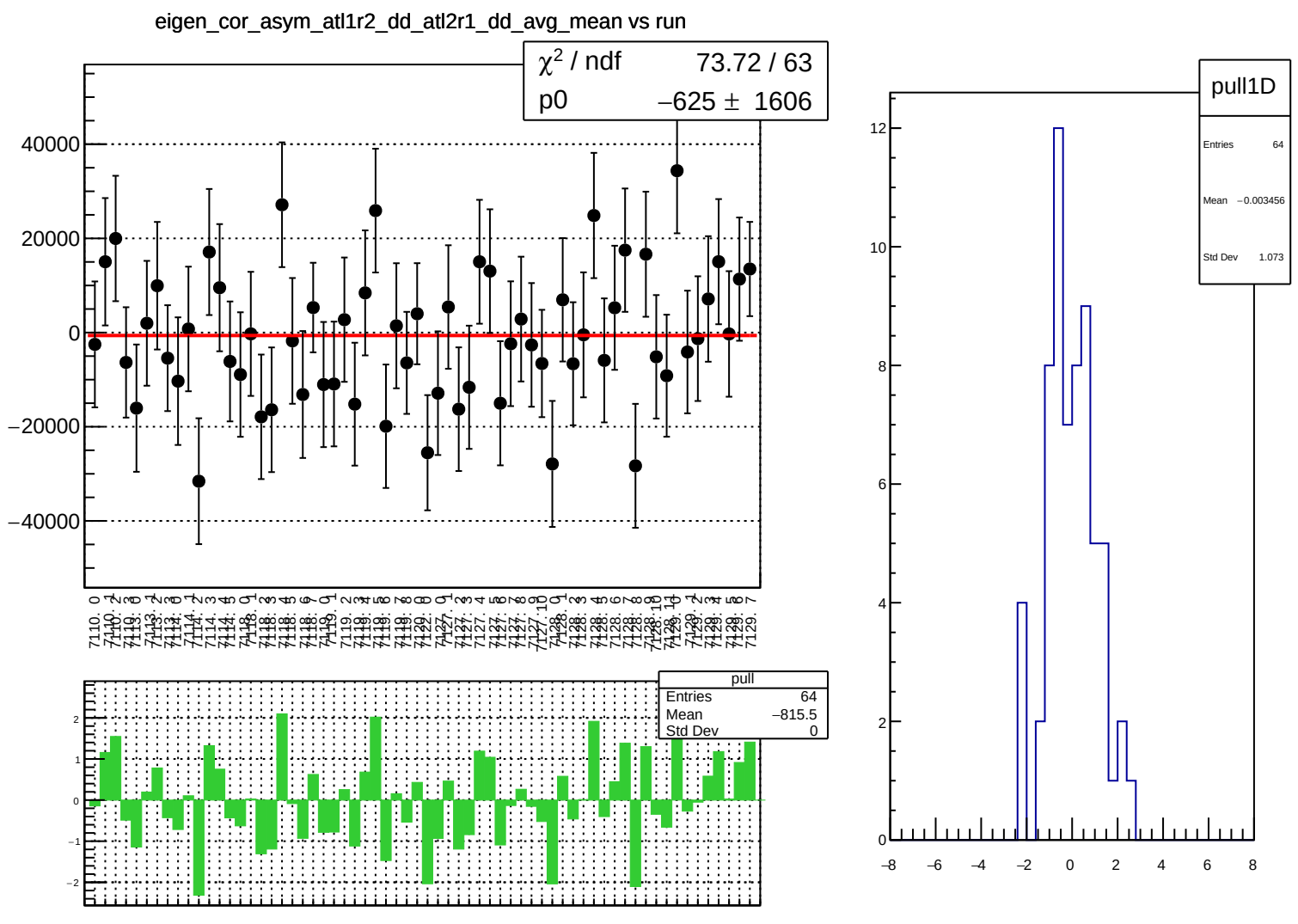

pull1D
Entries 64
Mean −0.003456
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

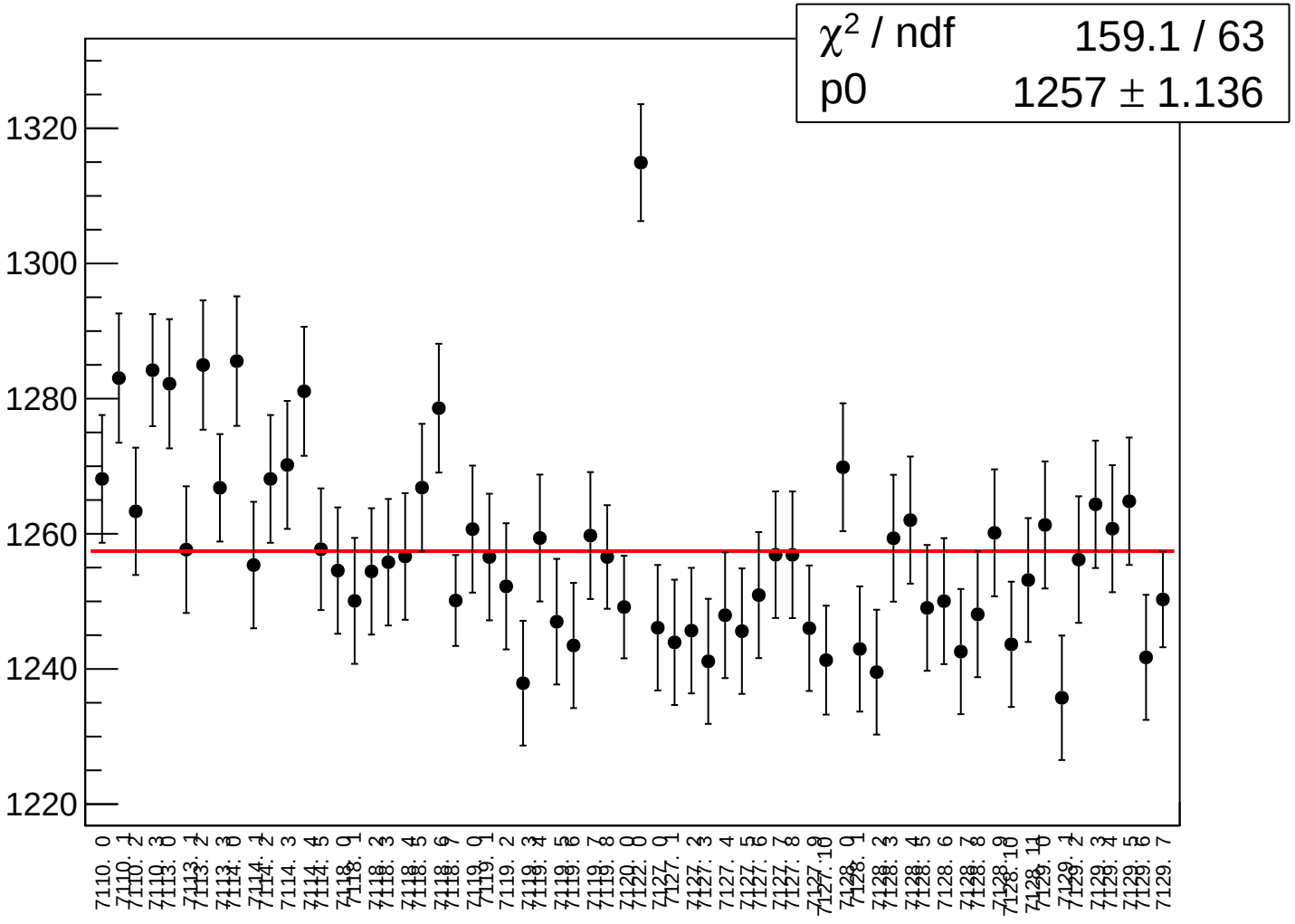

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 159.1 / 63
p0 1257 ± 1.136
1320
1300
1280
1260
1240
1220

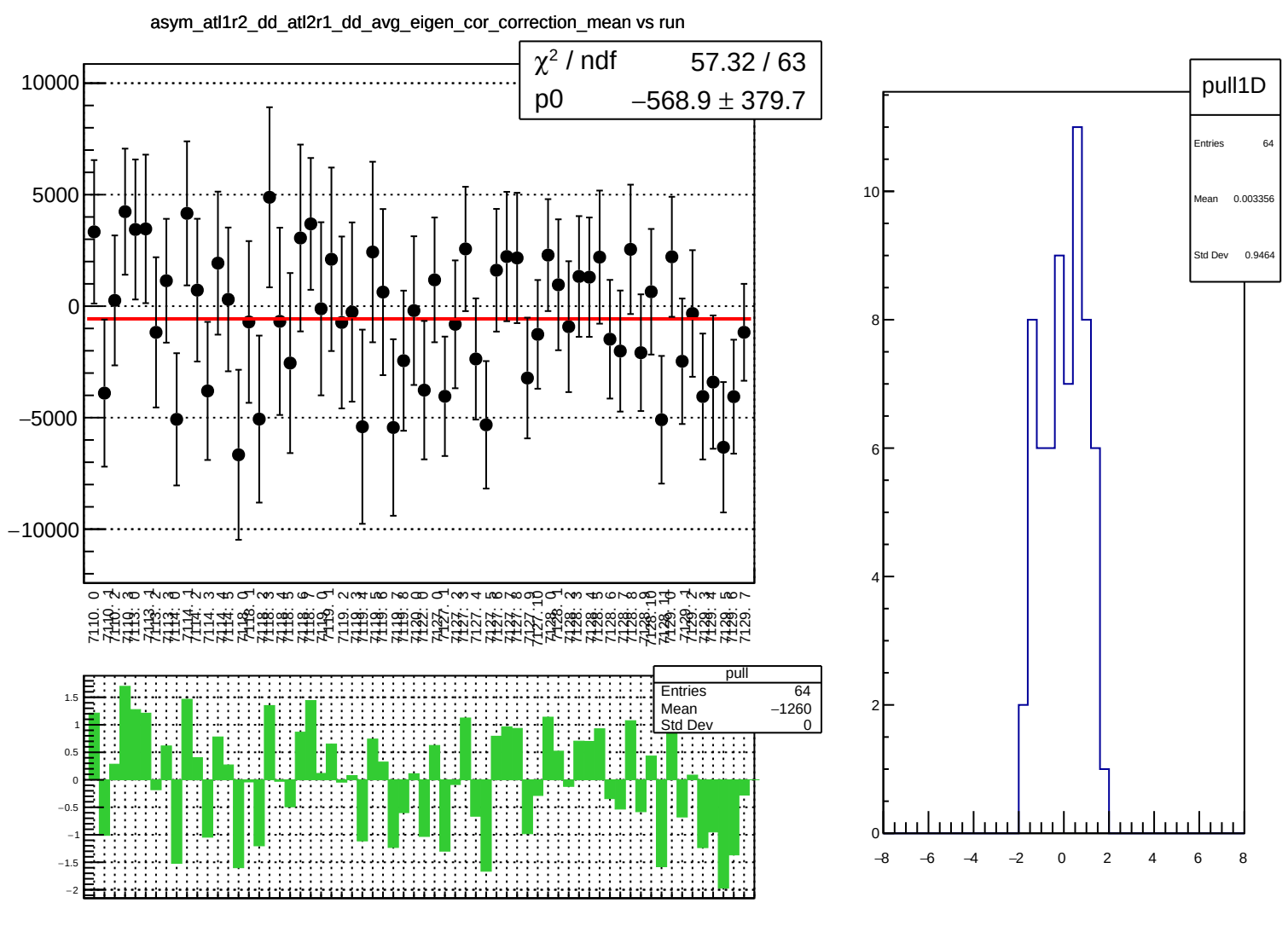

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 57.32 / 63
p0 −568.9 ± 379.7
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1260
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

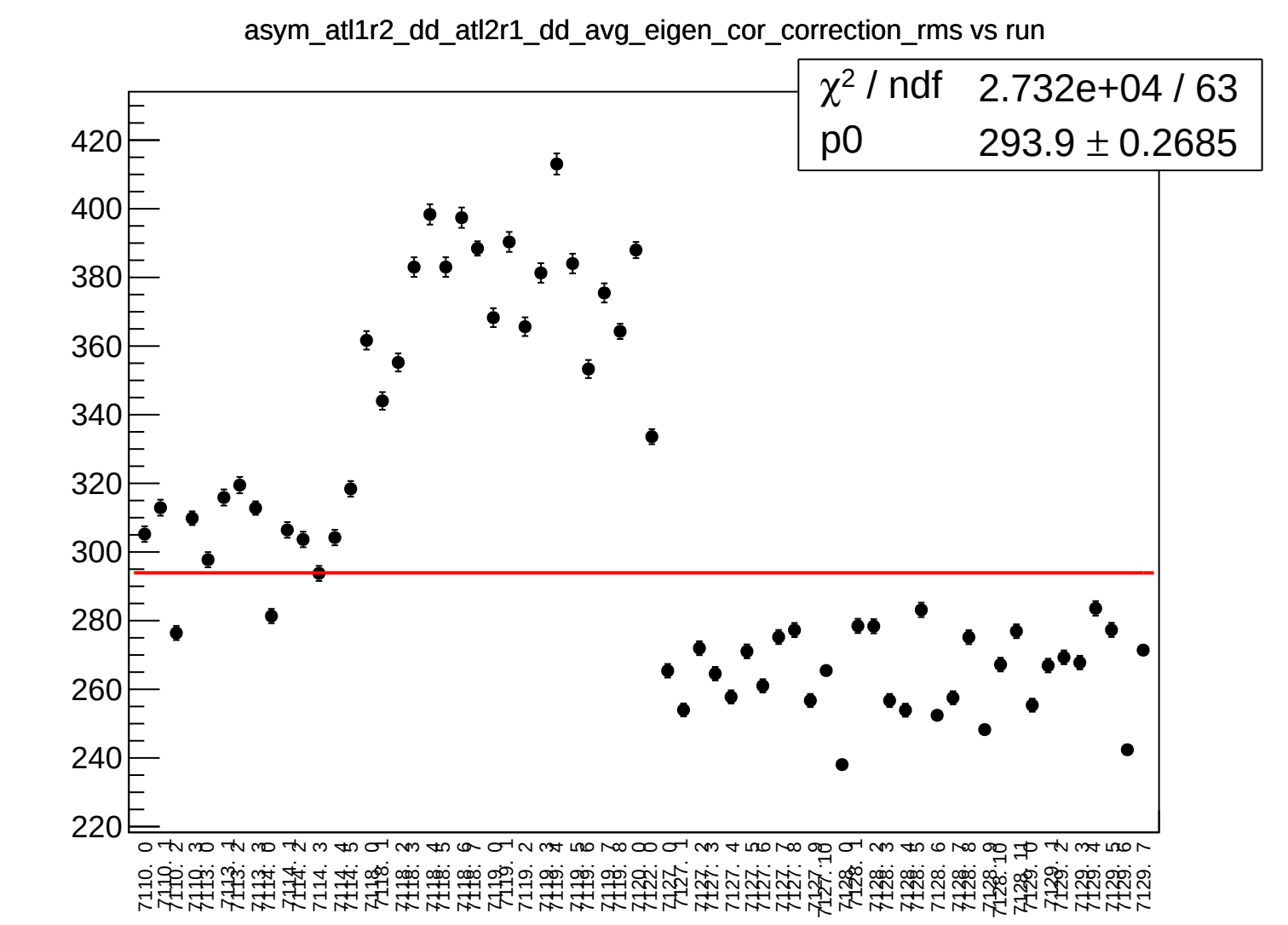

pull1D
Entries 64
Mean 0.003356
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

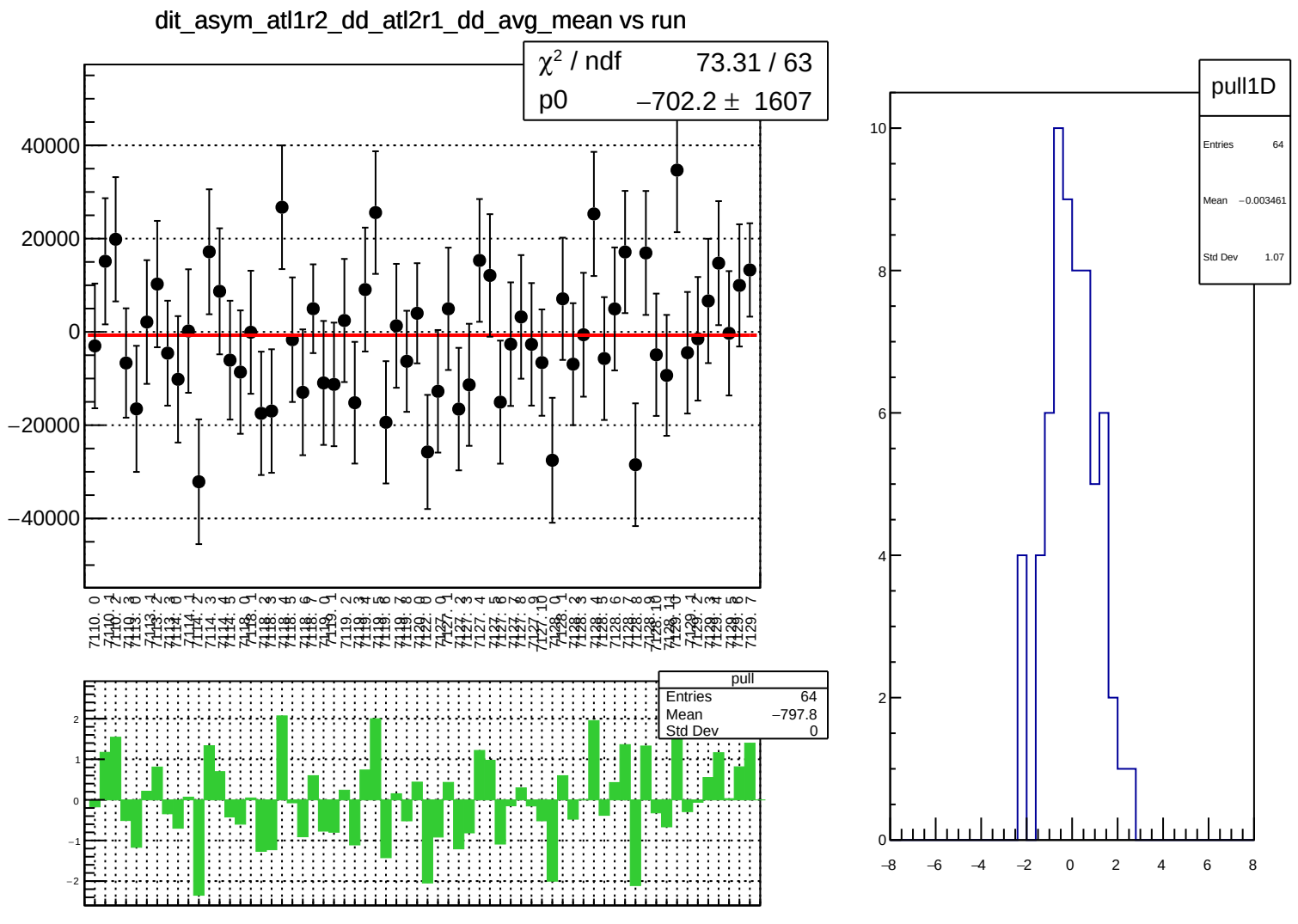

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 2.732e+04 / 63
p0 293.9 ± 0.2685
420
400
380
360
340
320
300
280
260
240
220

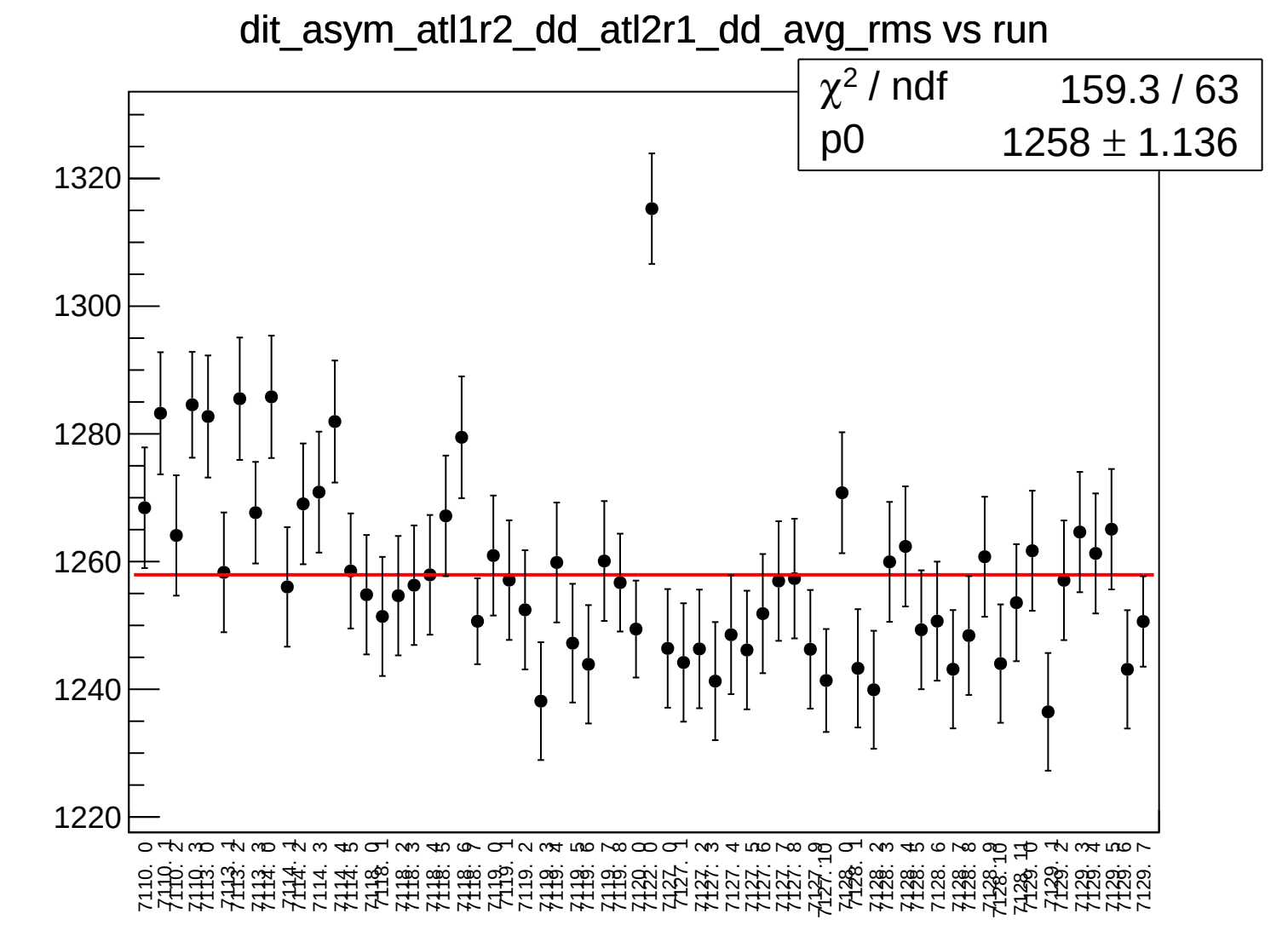

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 73.72 / 63
p0 −625 ± 1606
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −815.5
Std Dev 0
pull1D
Entries 64
Mean −0.003456
Std Dev 1.073

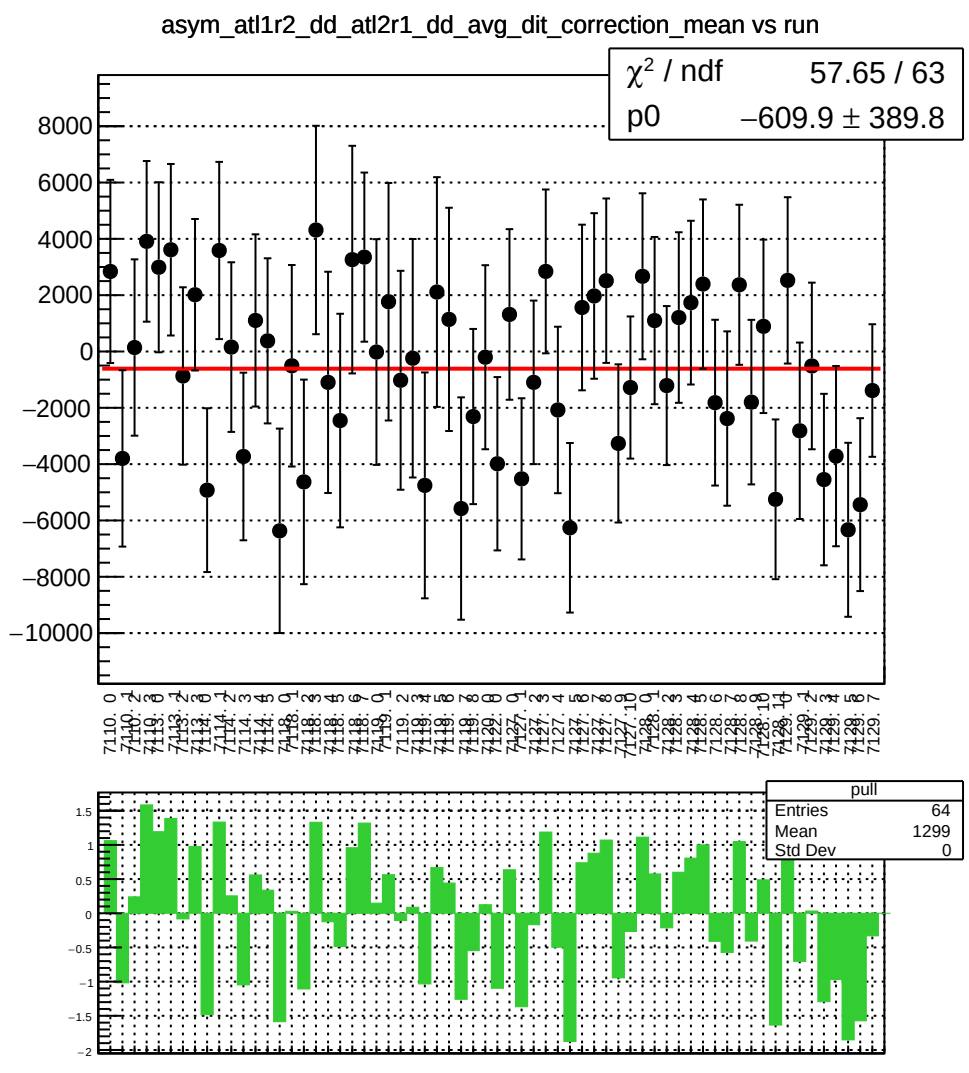

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 159.1 / 63
p0 1257 ± 1.136
1320
1300
1280
1260
1240
1220

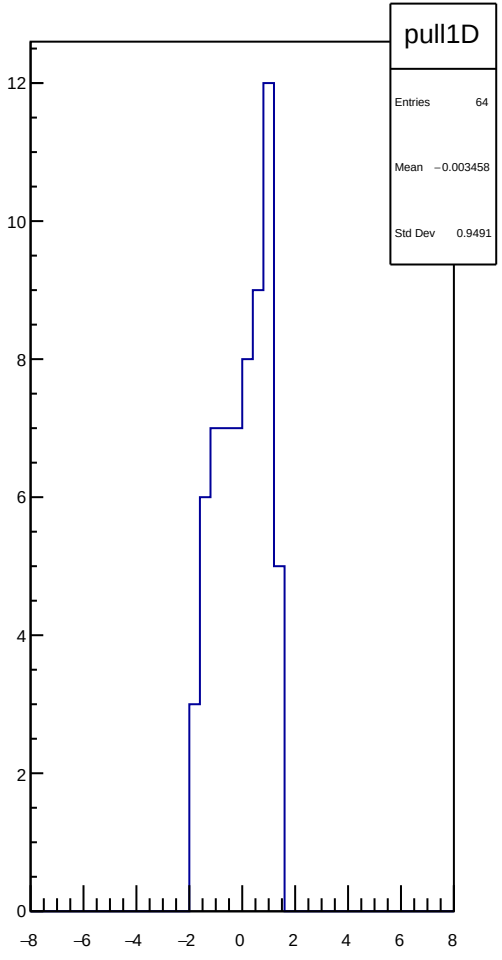

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 57.32 / 63
p0 −568.9 ± 379.7
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1260
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean 0.003356
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

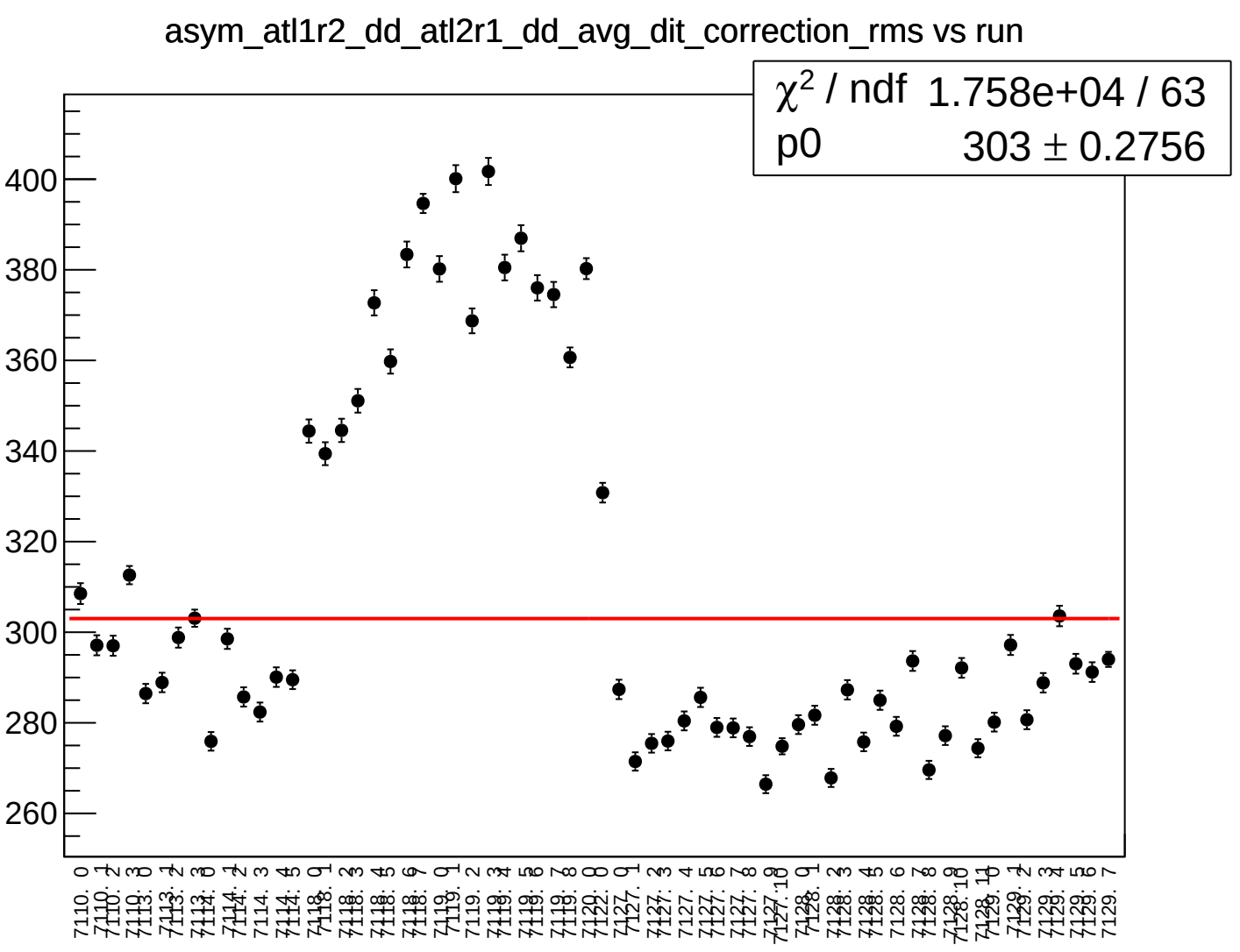

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.732e+04 / 63
p0 293.9 ± 0.2685
420
400
380
360
340
320
300
280
260
240
220

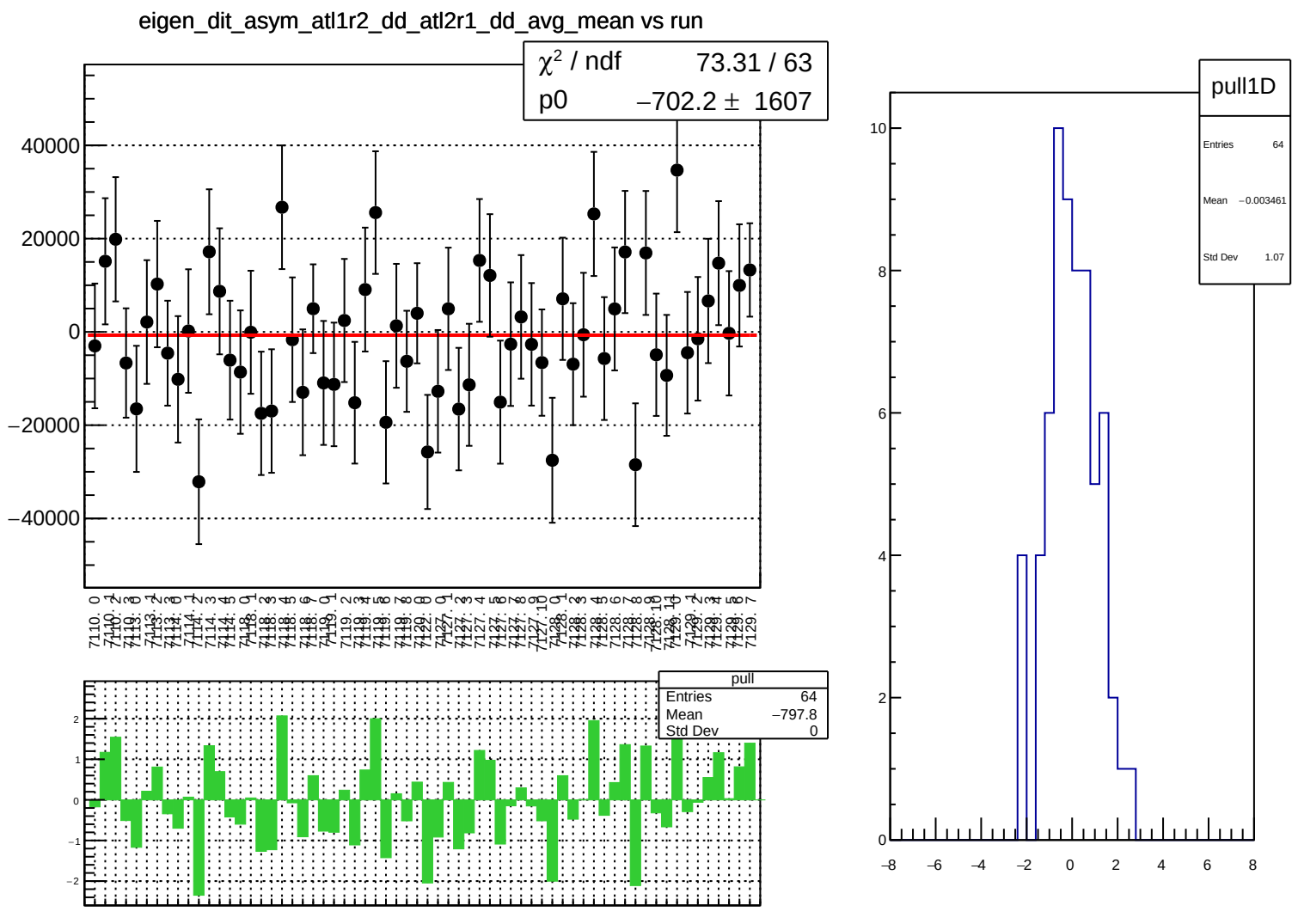

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 73.31 / 63
p0 −702.2 ± 1607
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −797.8
Std Dev 0
pull1D
Entries 64
Mean −0.003461
Std Dev 1.07

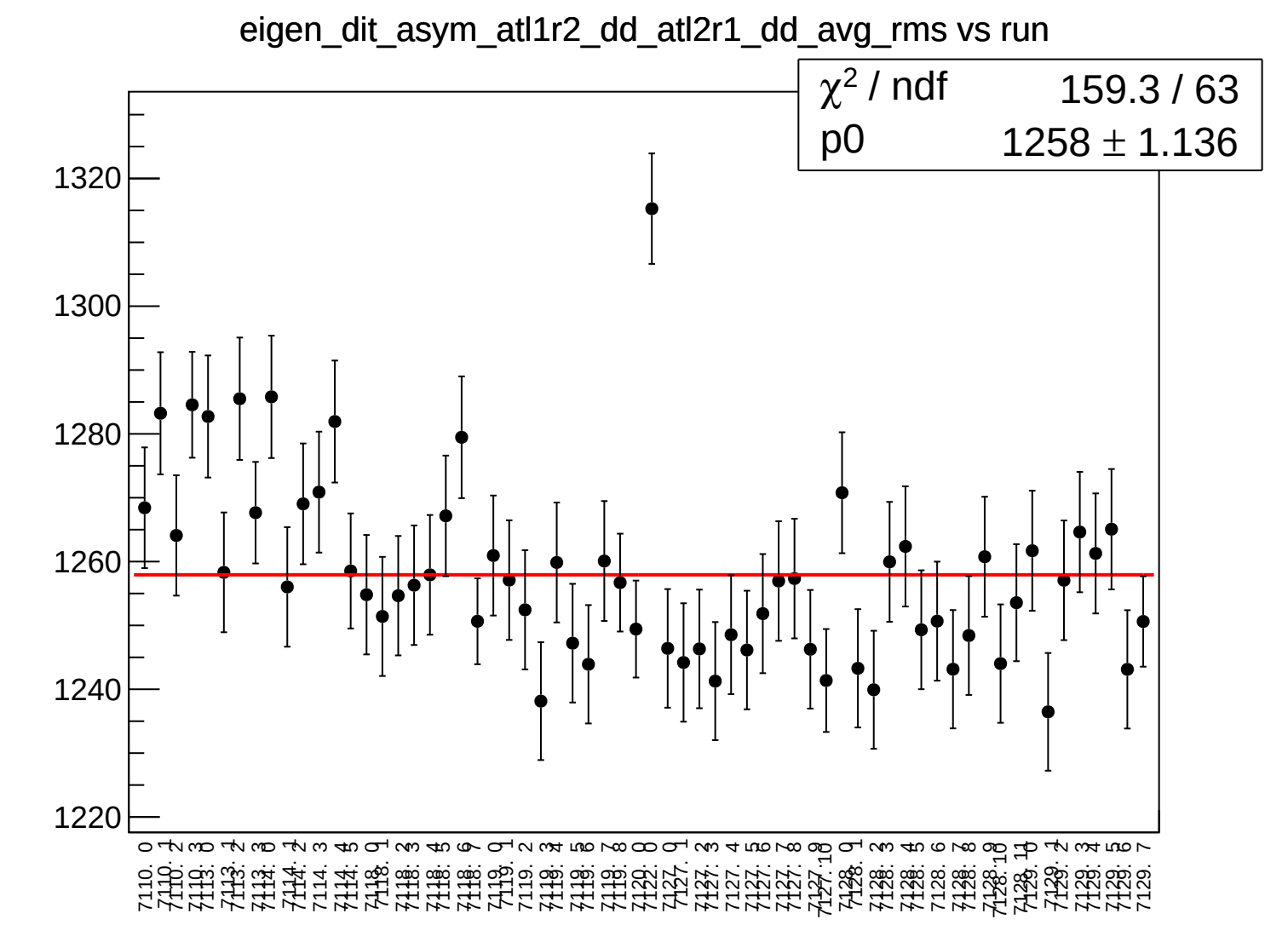

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 159.3 / 63
p0 1258 ± 1.136
1320
1300
1280
1260
1240
1220

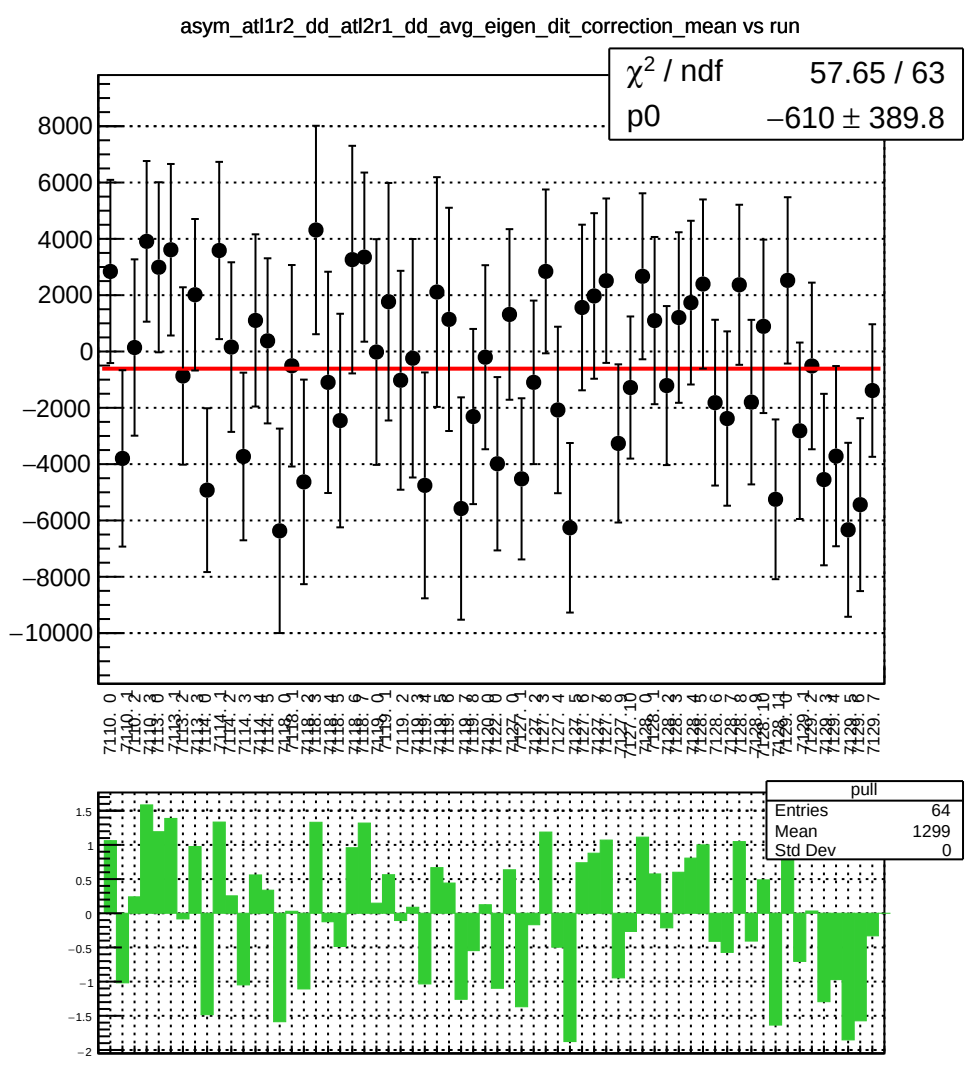

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 57.65 / 63
p0 −609.9 ± 389.8
pull
Entries 64
Mean 1299
Std Dev 0

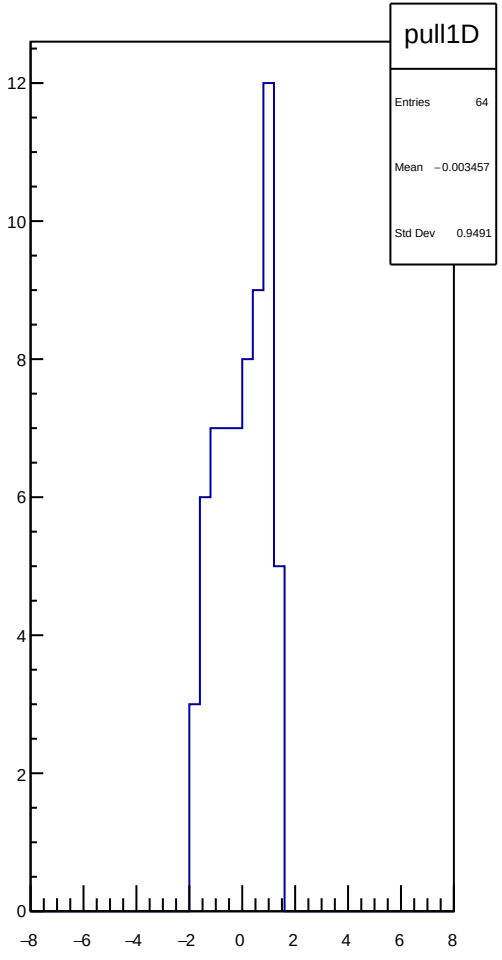

pull1D
Entries 64
Mean −0.003458
Std Dev 0.9491

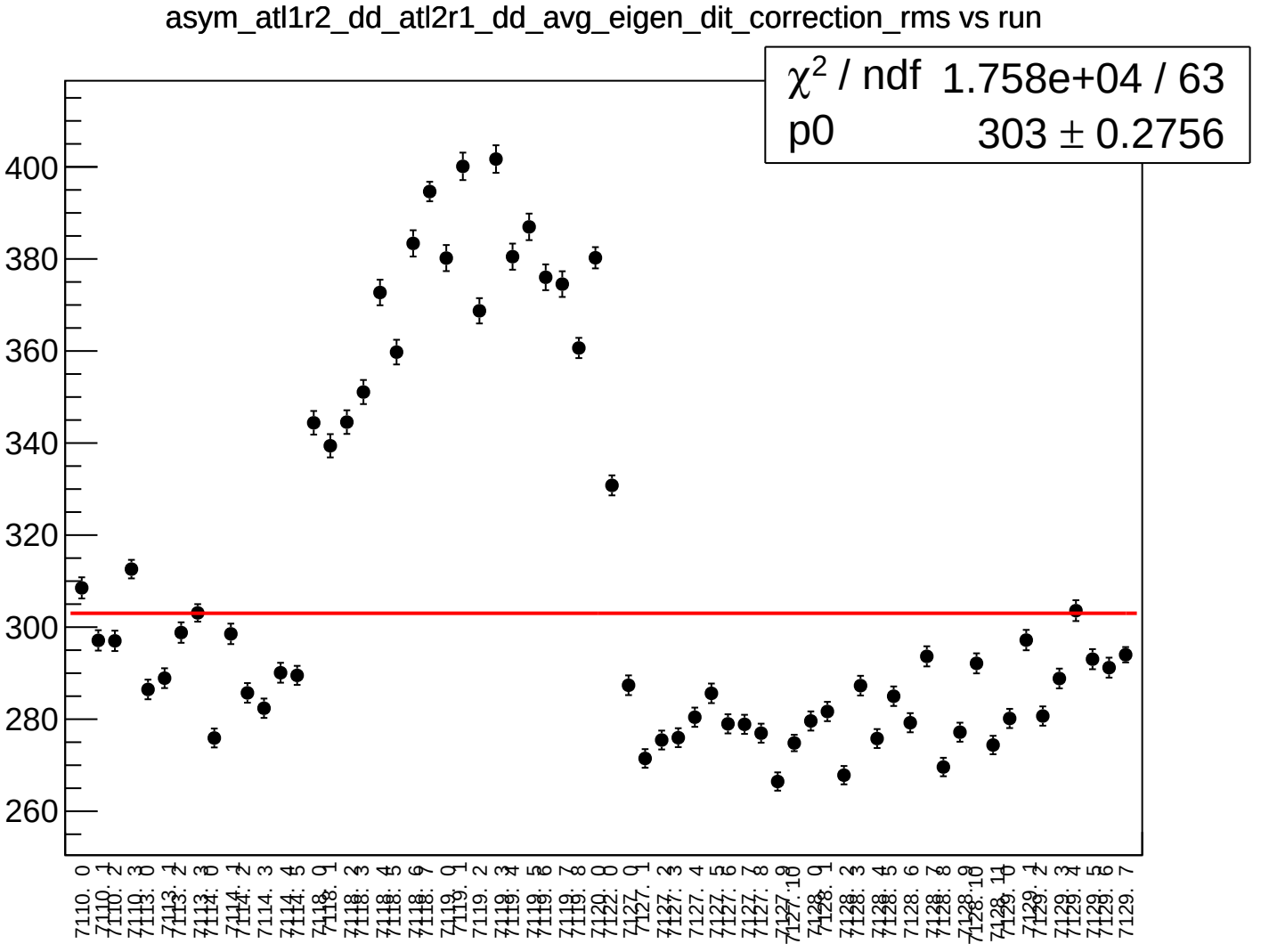

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 1.758e+04 / 63
p0 303 ± 0.2756
400
380
360
340
320
300
280
260

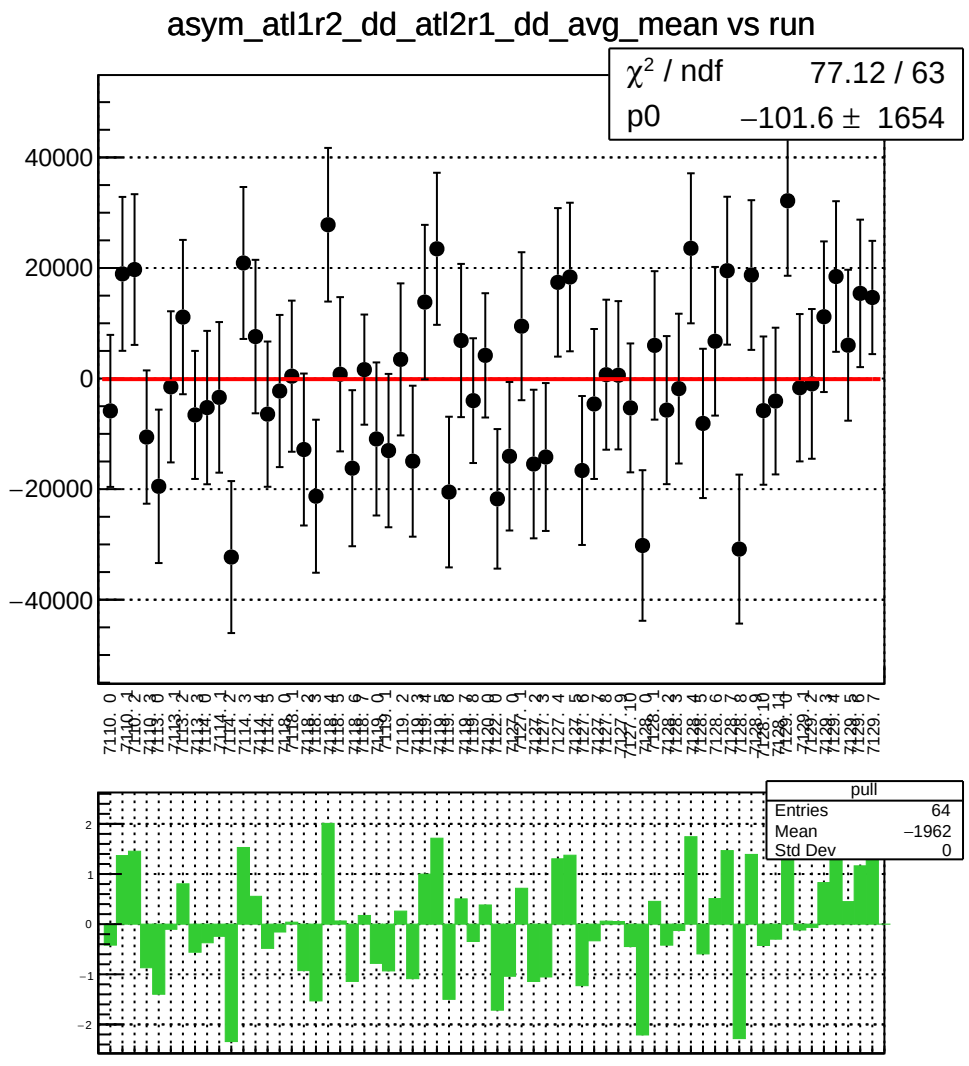

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 73.31 / 63
p0 −702.2 ± 1607
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −797.8
Std Dev 0
pull1D
Entries 64
Mean −0.003461
Std Dev 1.07

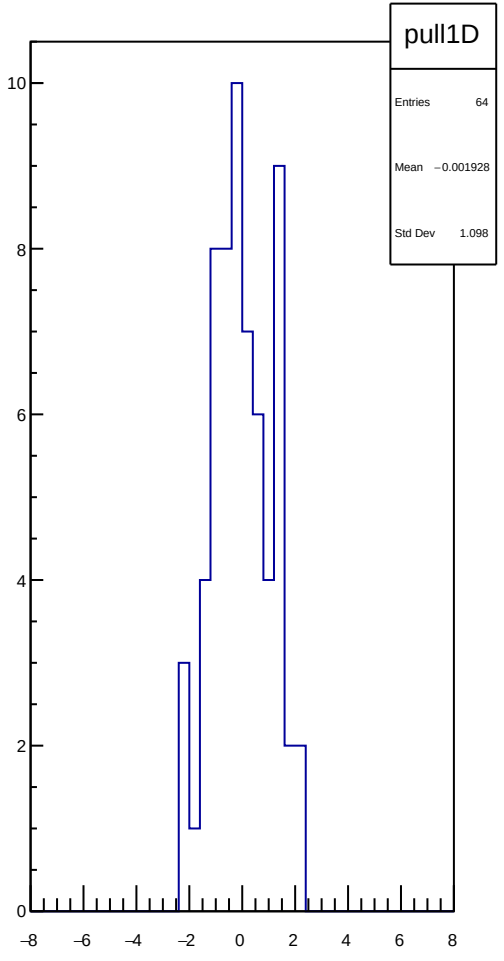

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 159.3 / 63
p0 1258 ± 1.136
1320
1300
1280
1260
1240
1220

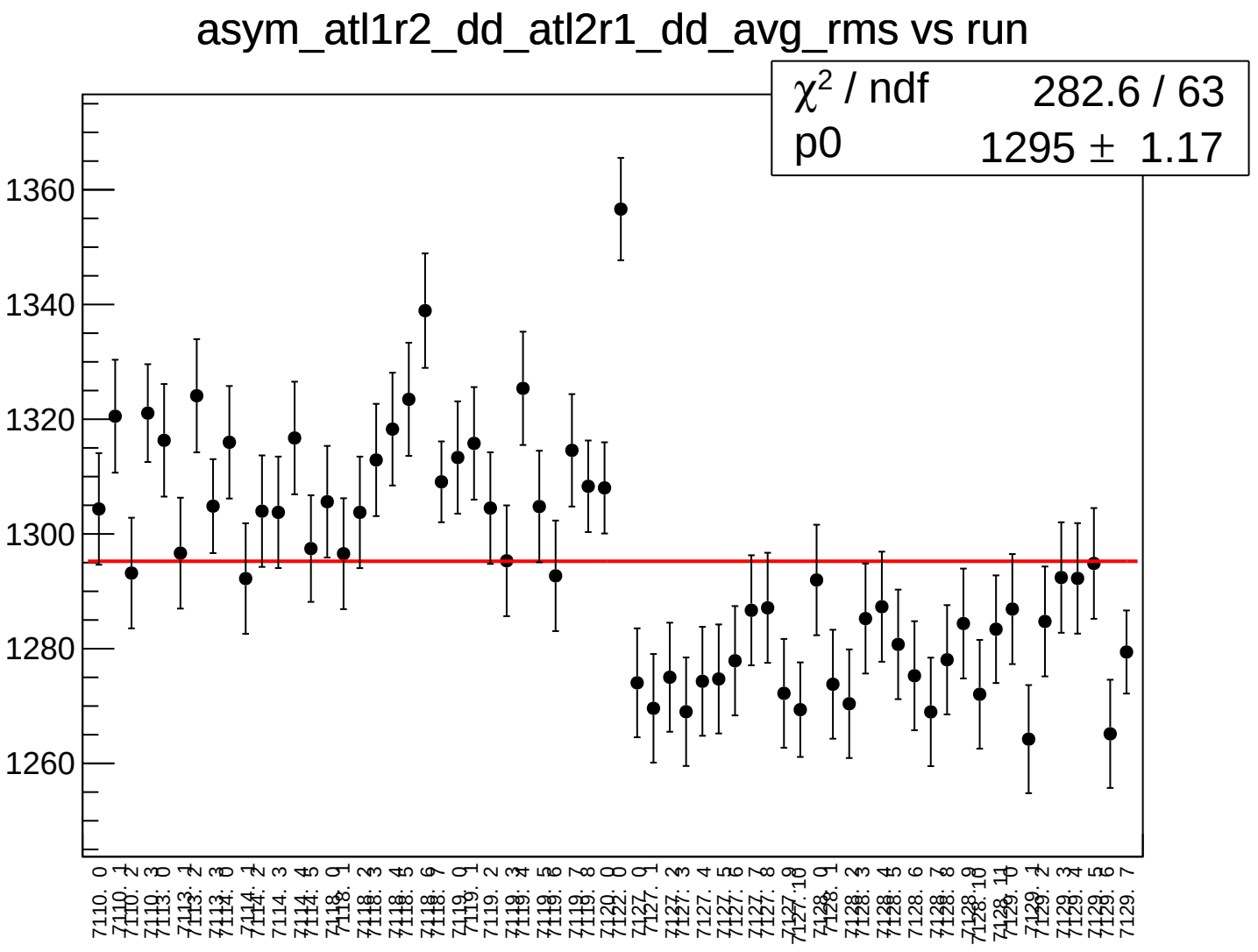

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 57.65 / 63
p0 −610 ± 389.8
pull
Entries 64
Mean 1299
Std Dev 0

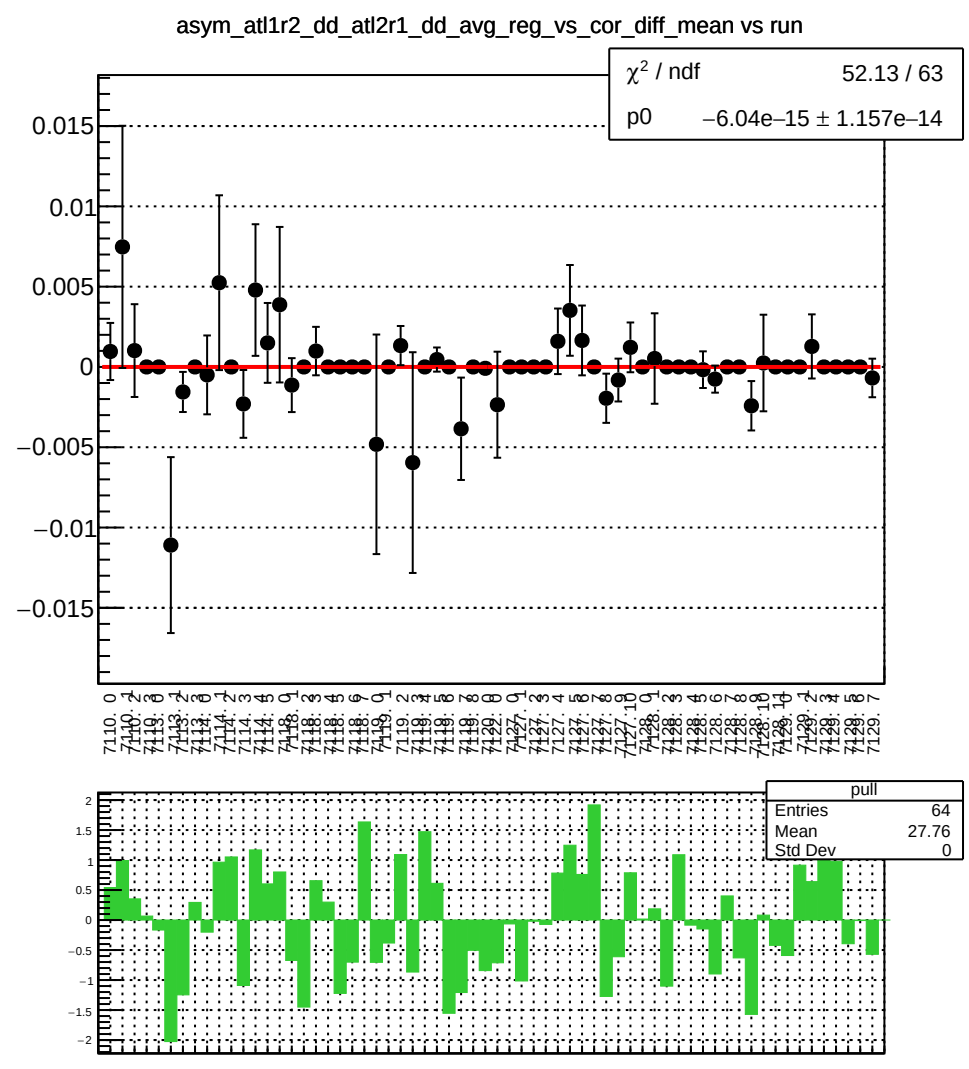

pull1D
Entries 64
Mean −0.003457
Std Dev 0.9491

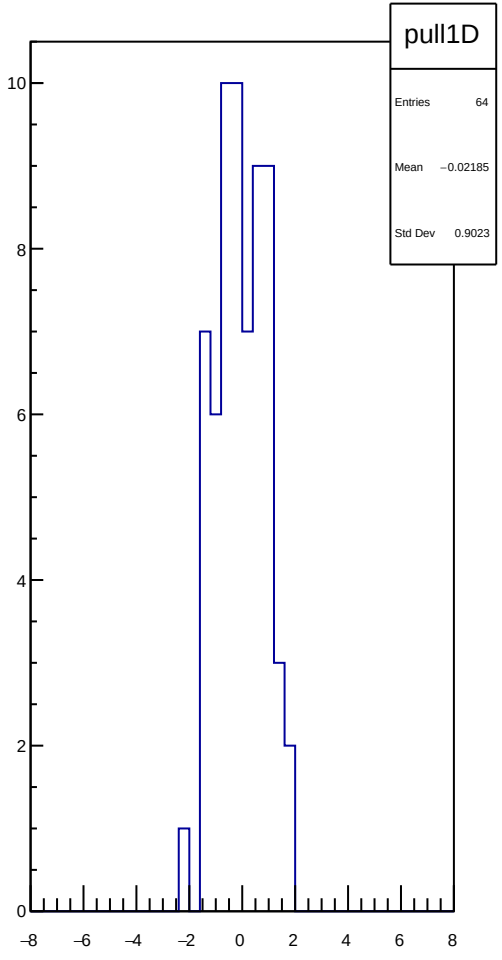

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.758e+04 / 63
p0 303 ± 0.2756
400
380
360
340
320
300
280
260

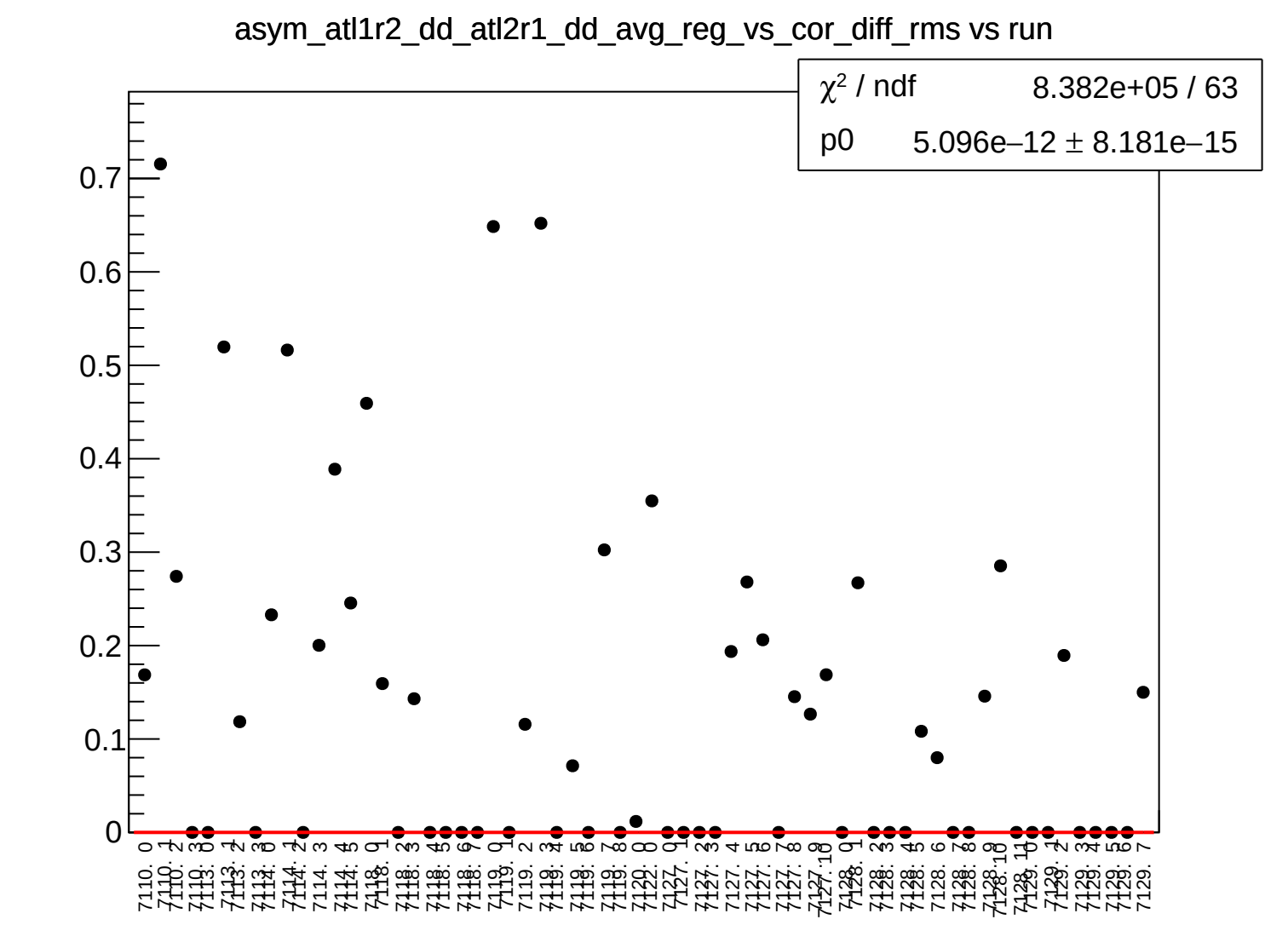

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 77.12 / 63
p0 −101.6 ± 1654
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −1962
Std Dev 0
2
1
0
−1
−2

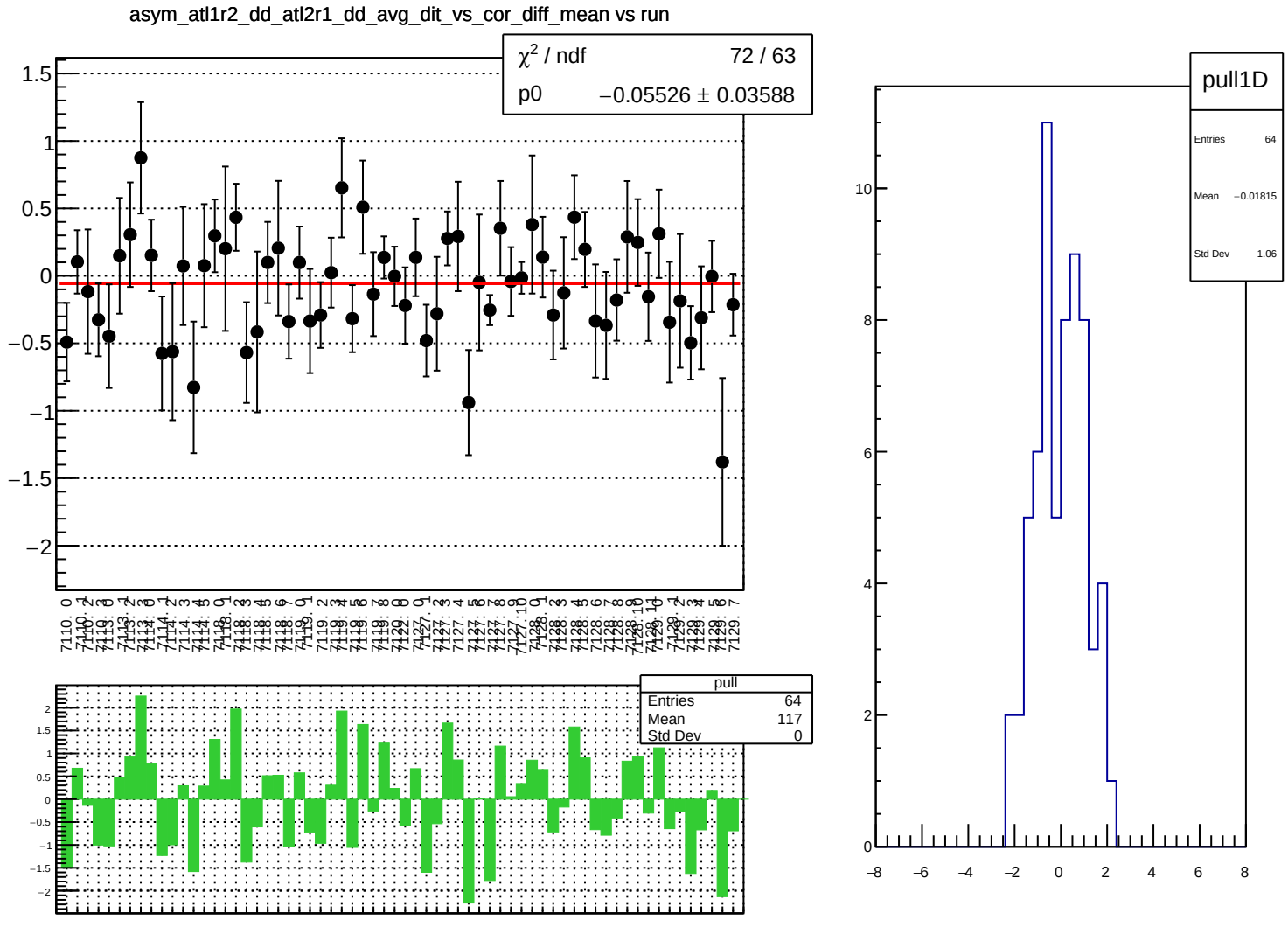

pull1D
Entries 64
Mean −0.001928
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

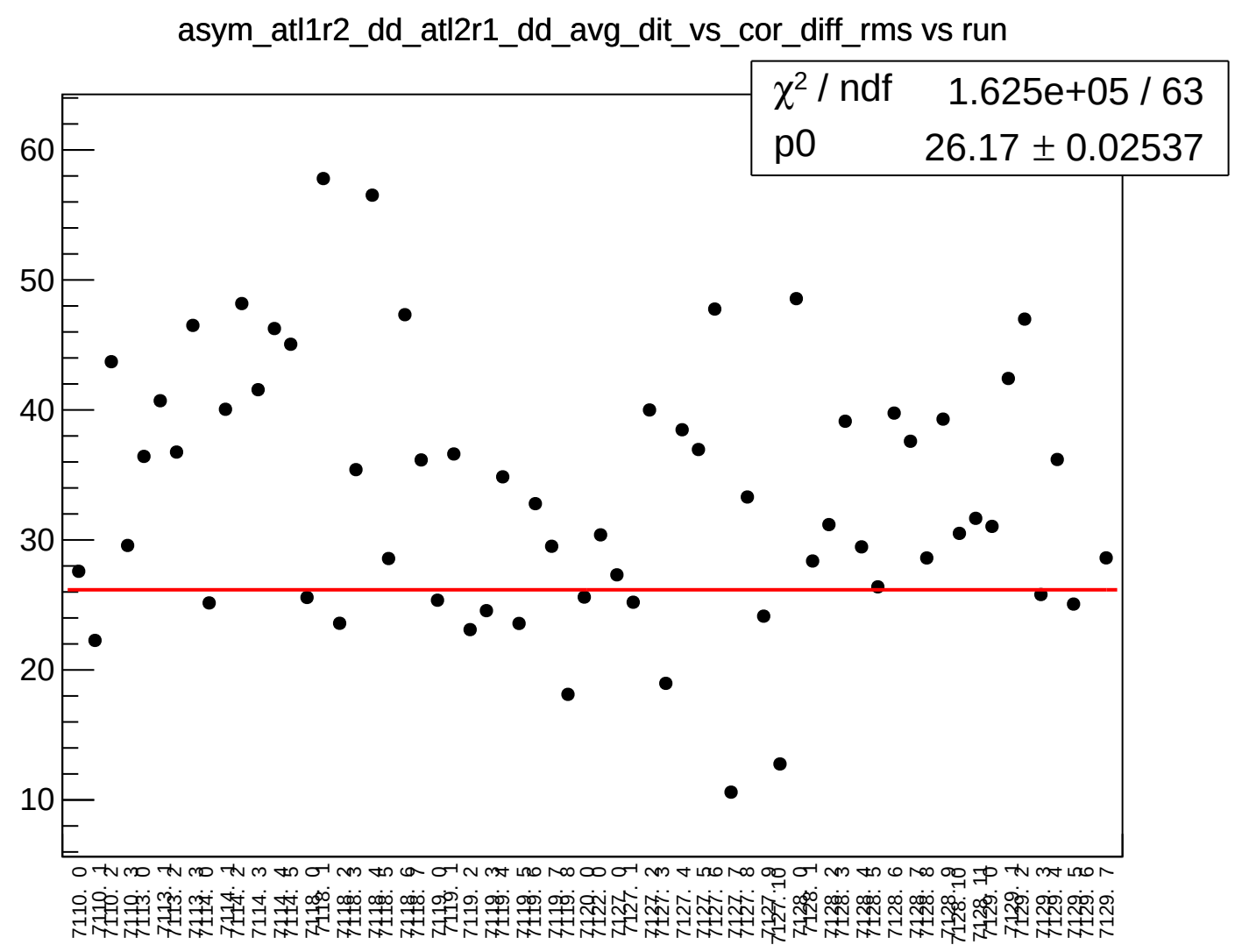

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 282.6 / 63
p0 1295 ± 1.17
1360
1340
1320
1300
1280
1260

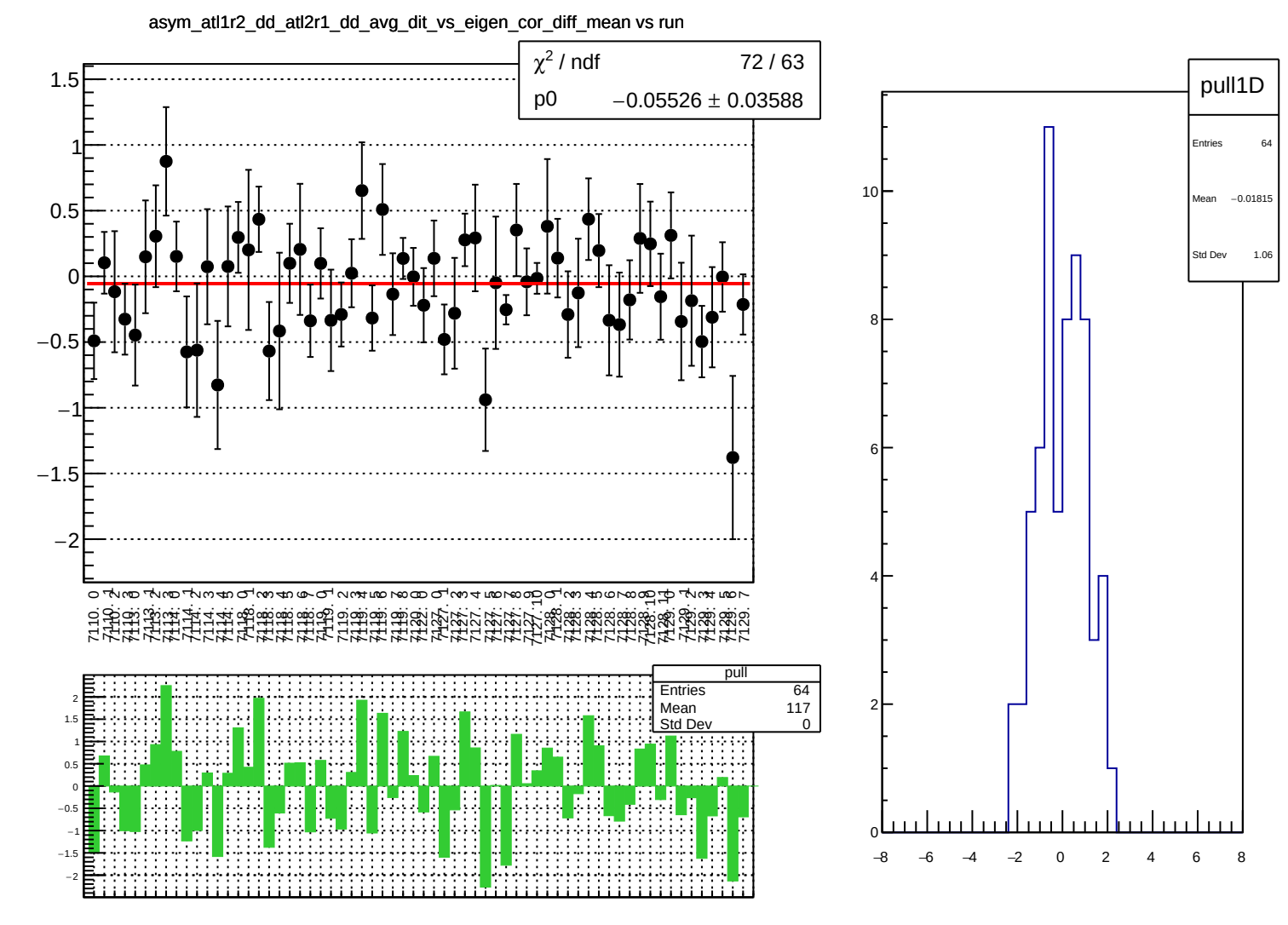

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.13 / 63
p0 −6.04e−15 ± 1.157e−14
pull
Entries 64
Mean 27.76
Std Dev 0

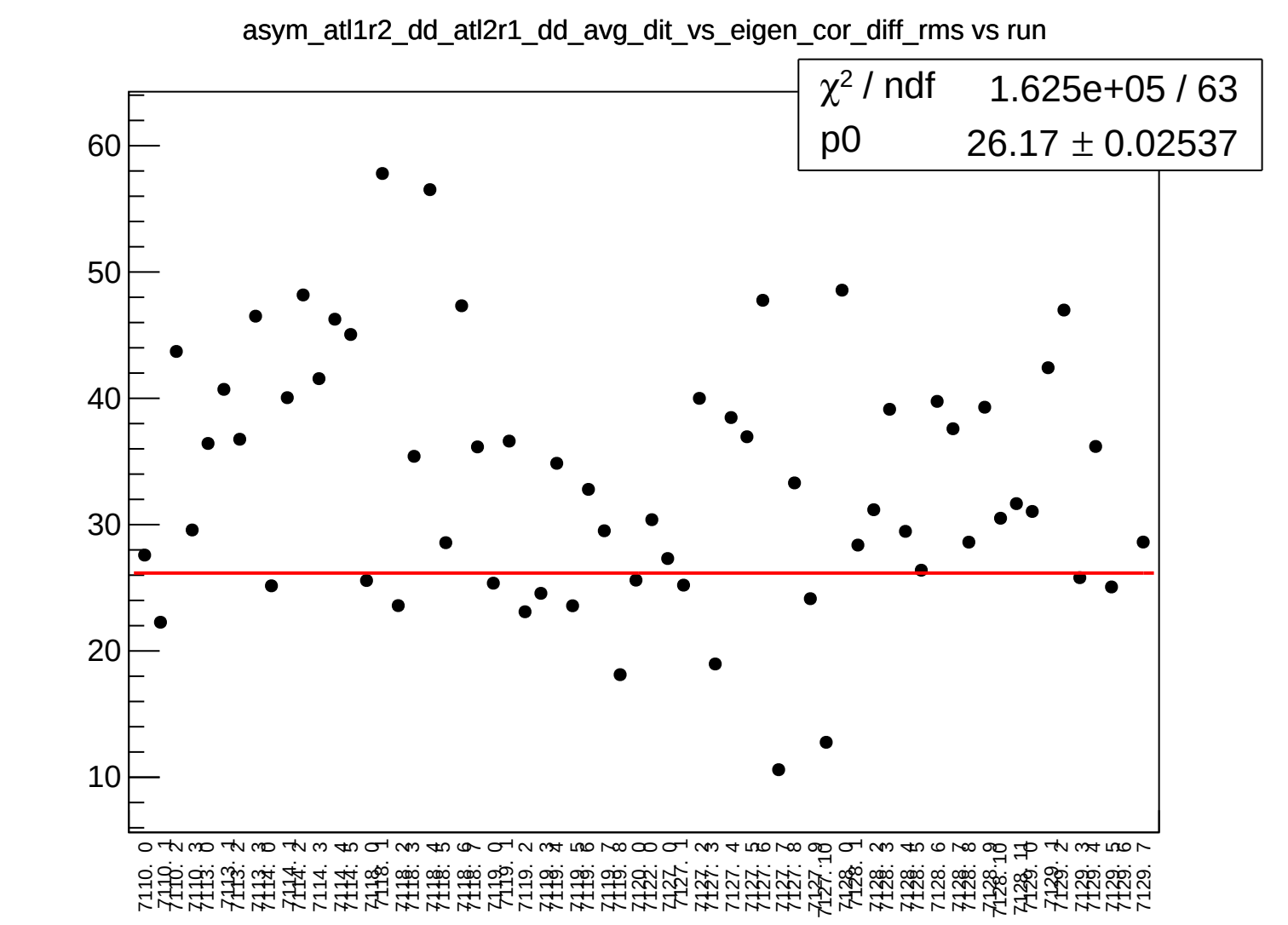

pull1D
Entries 64
Mean −0.02185
Std Dev 0.9023

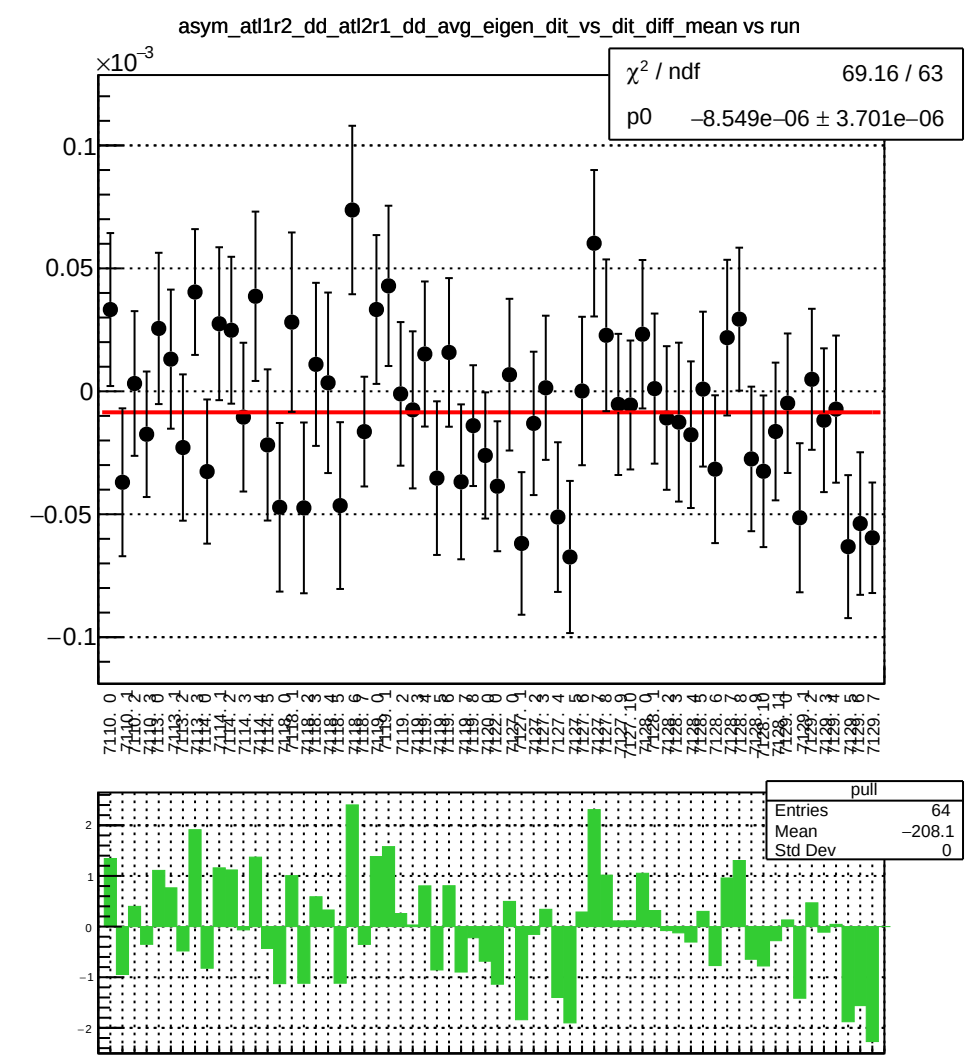

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.382e+05 / 63
p0 5.096e−12 ± 8.181e−15
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

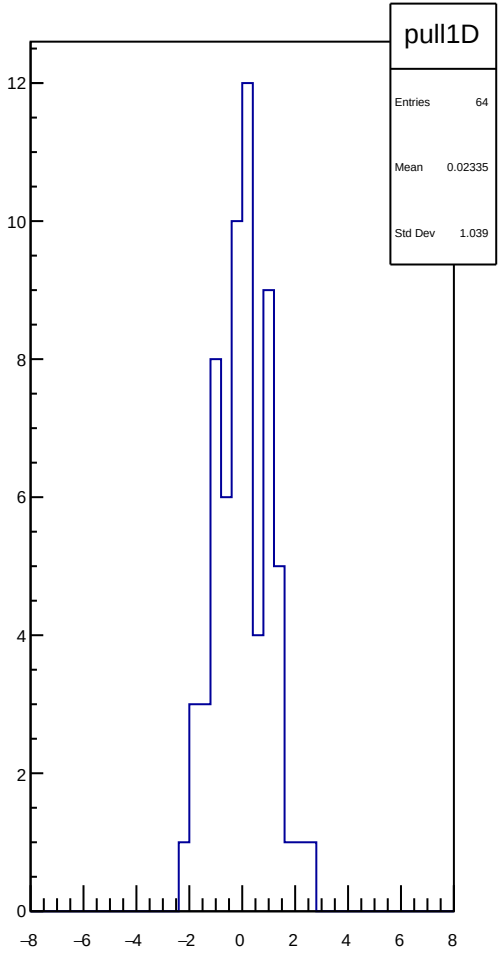

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01815
Std Dev 1.06

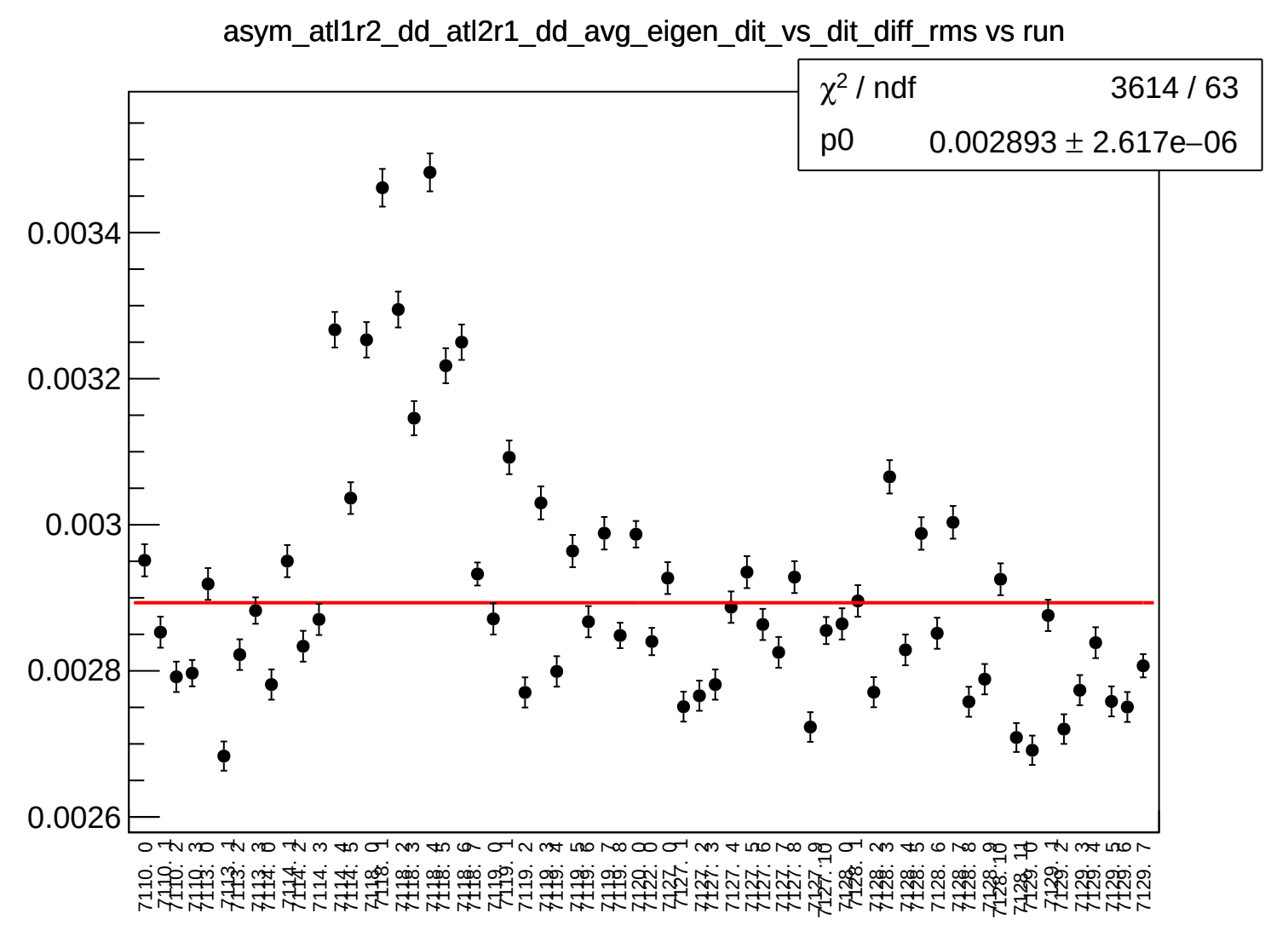

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

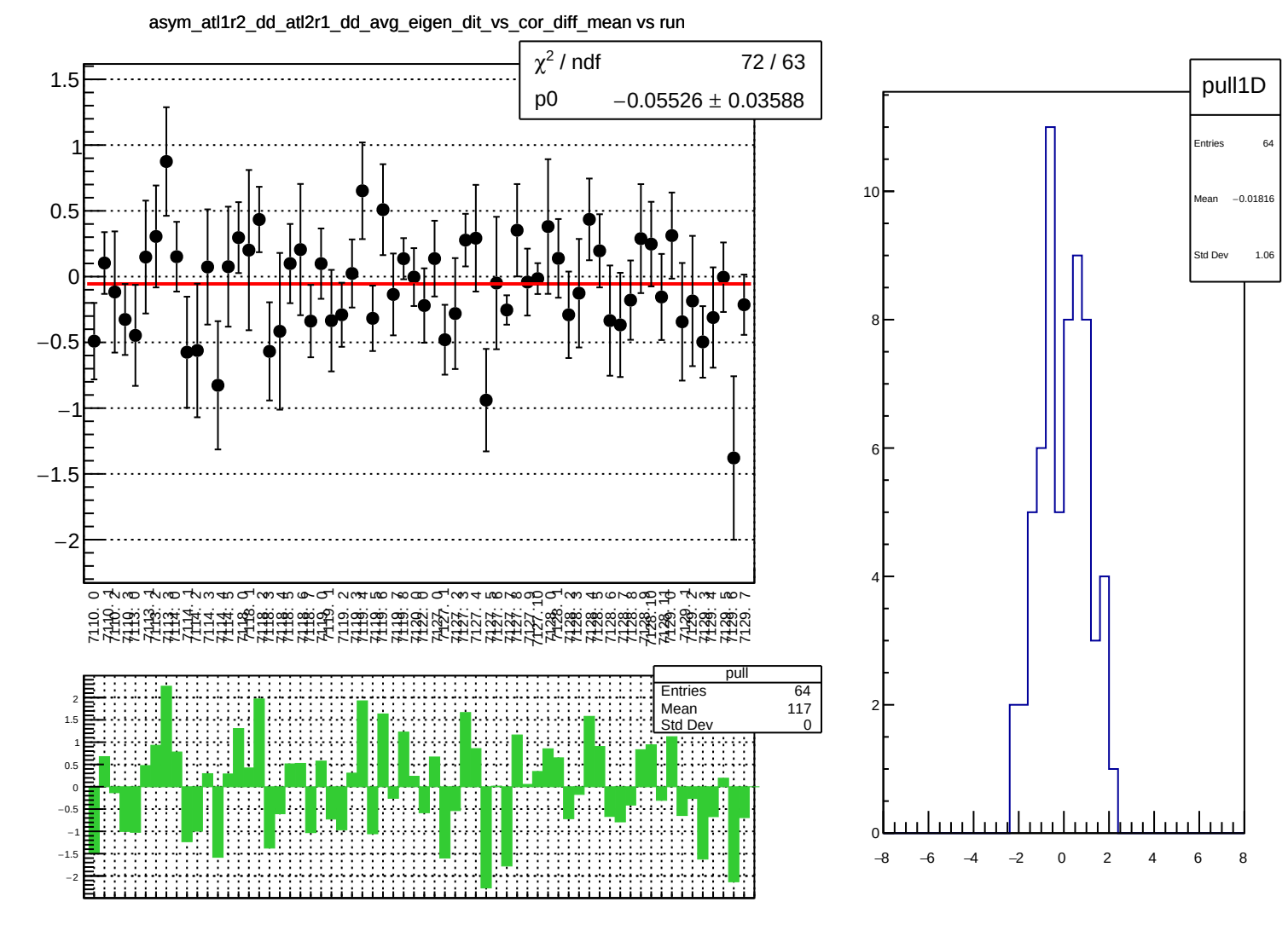

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01815
Std Dev 1.06

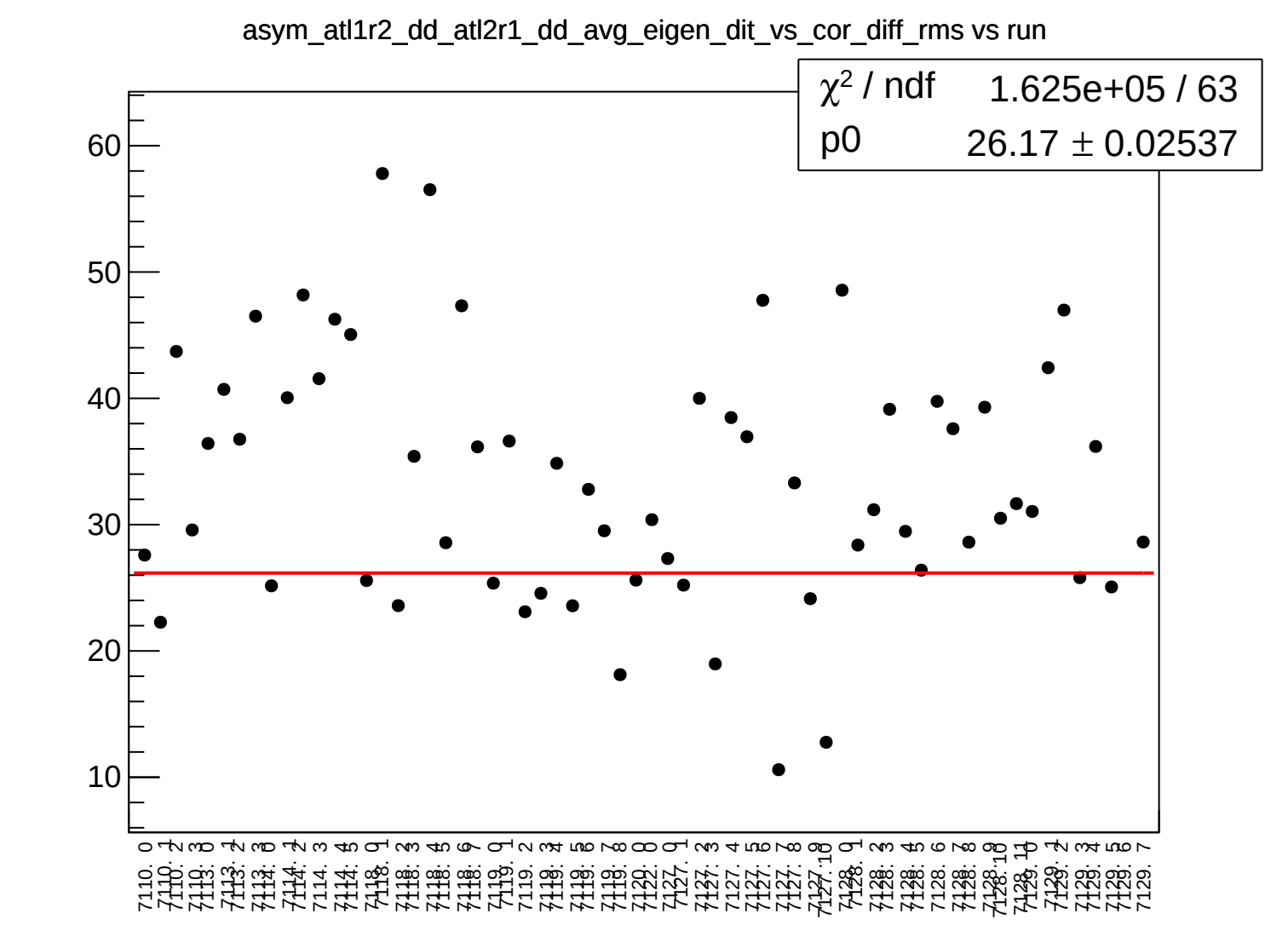

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

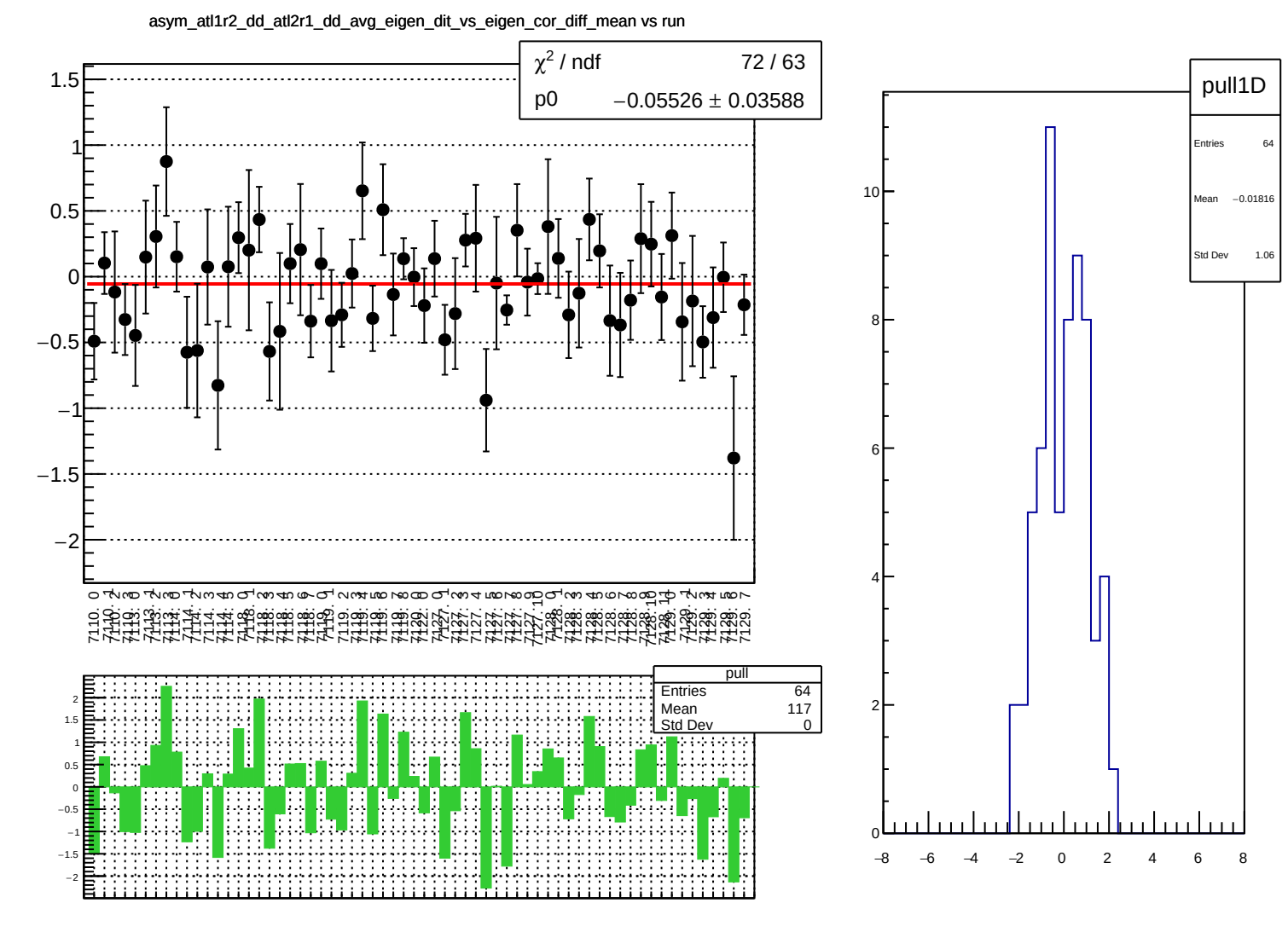

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.16 / 63
p0 −8.549e−06 ± 3.701e−06
pull
Entries 64
Mean −208.1
Std Dev 0

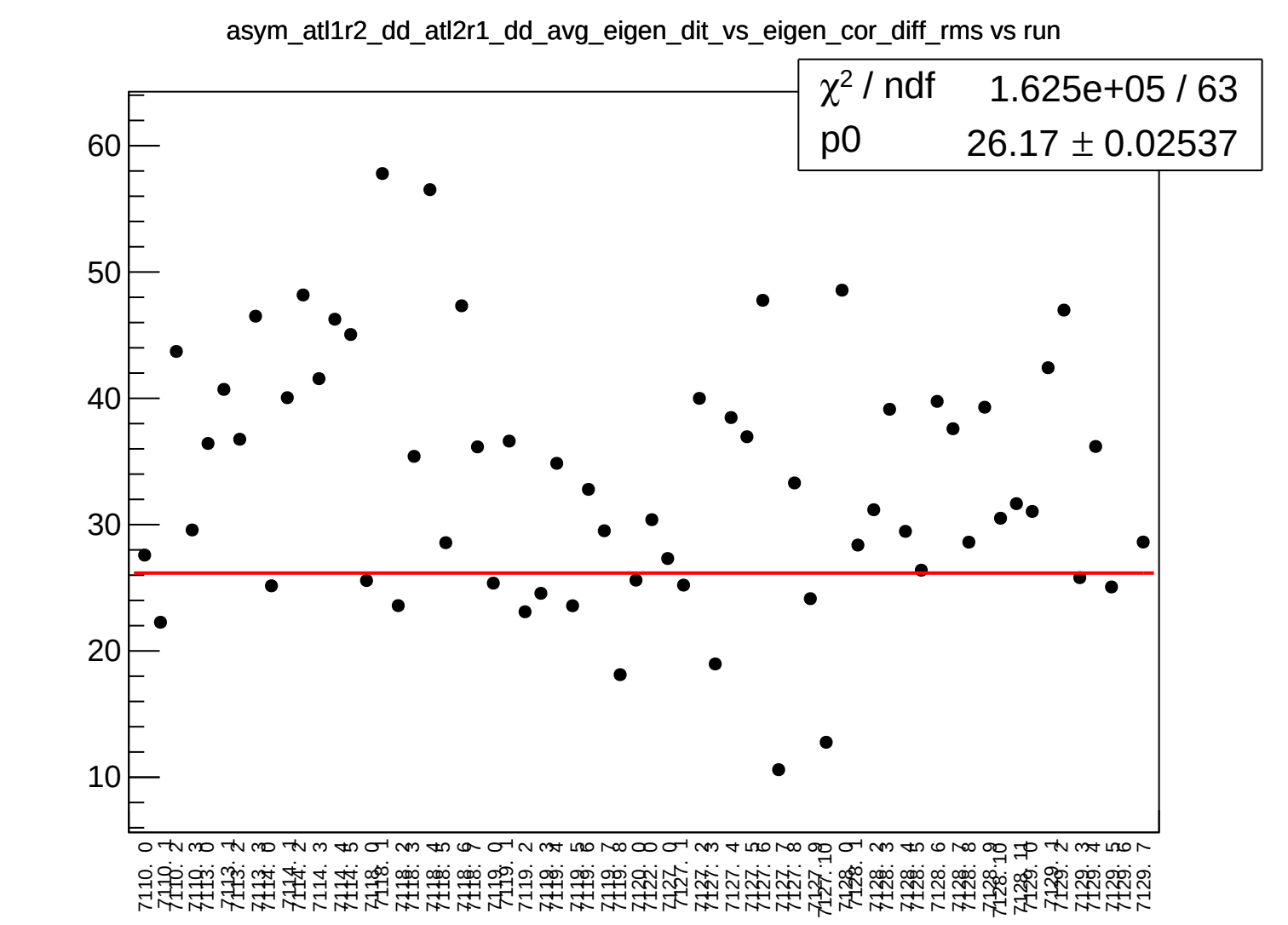

pull1D
Entries 64
Mean 0.02335
Std Dev 1.039

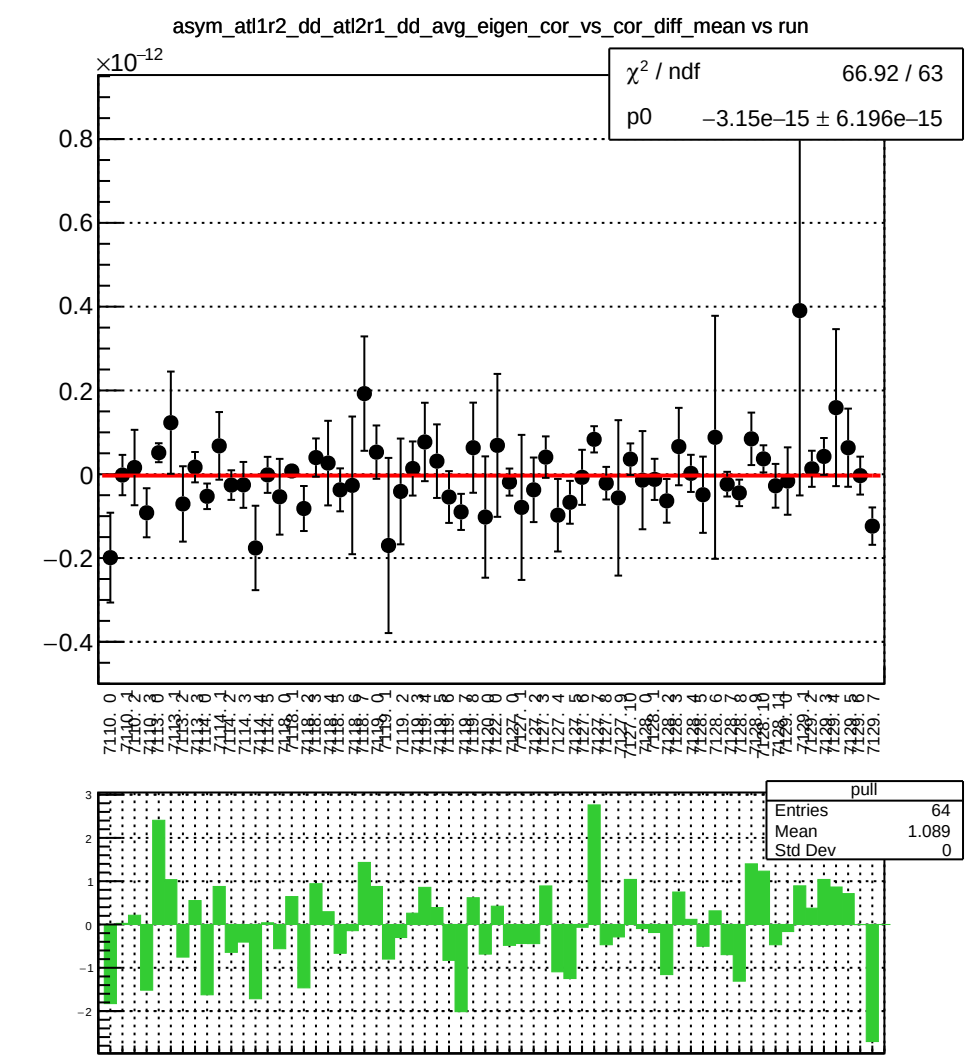

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3614 / 63
p0 0.002893 ± 2.617e−06
0.0034
0.0032
0.003
0.0028
0.0026

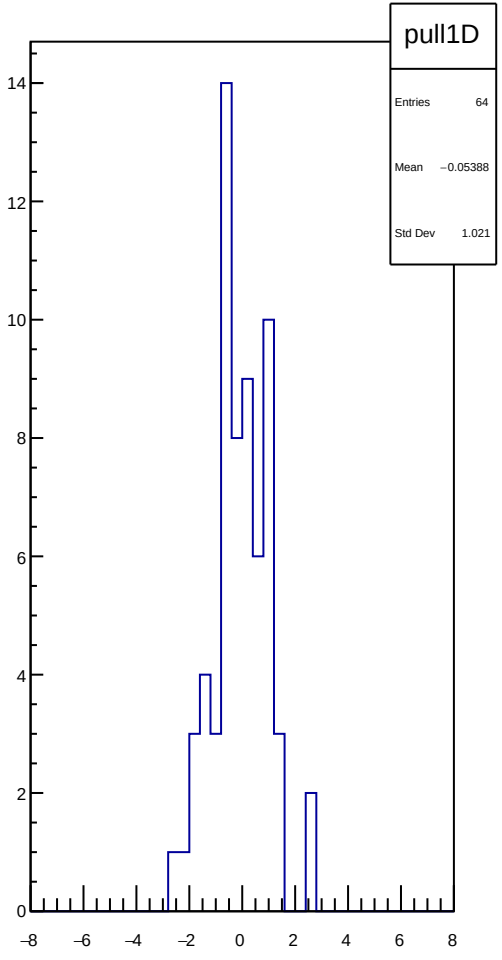

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01816
Std Dev 1.06

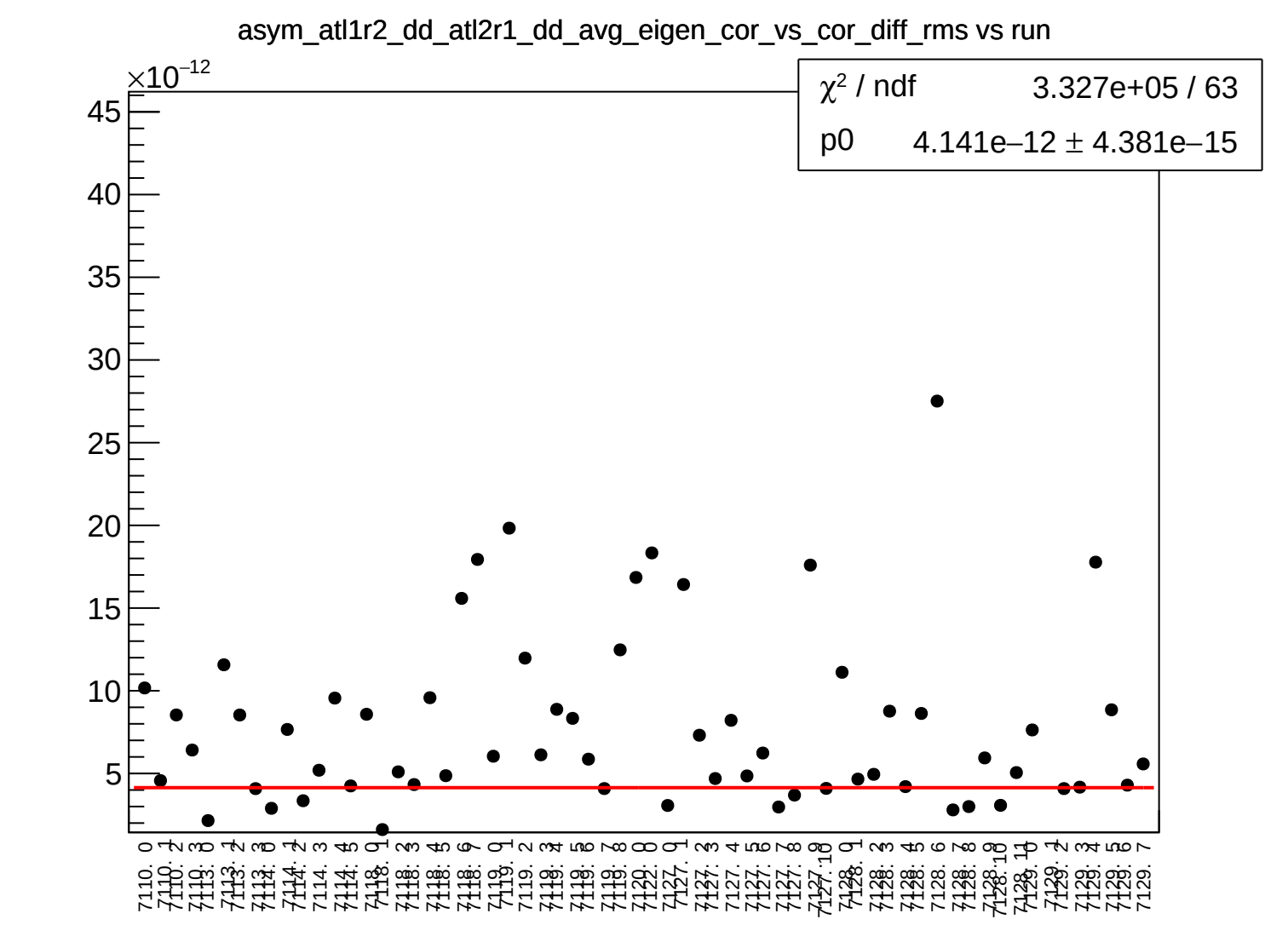

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

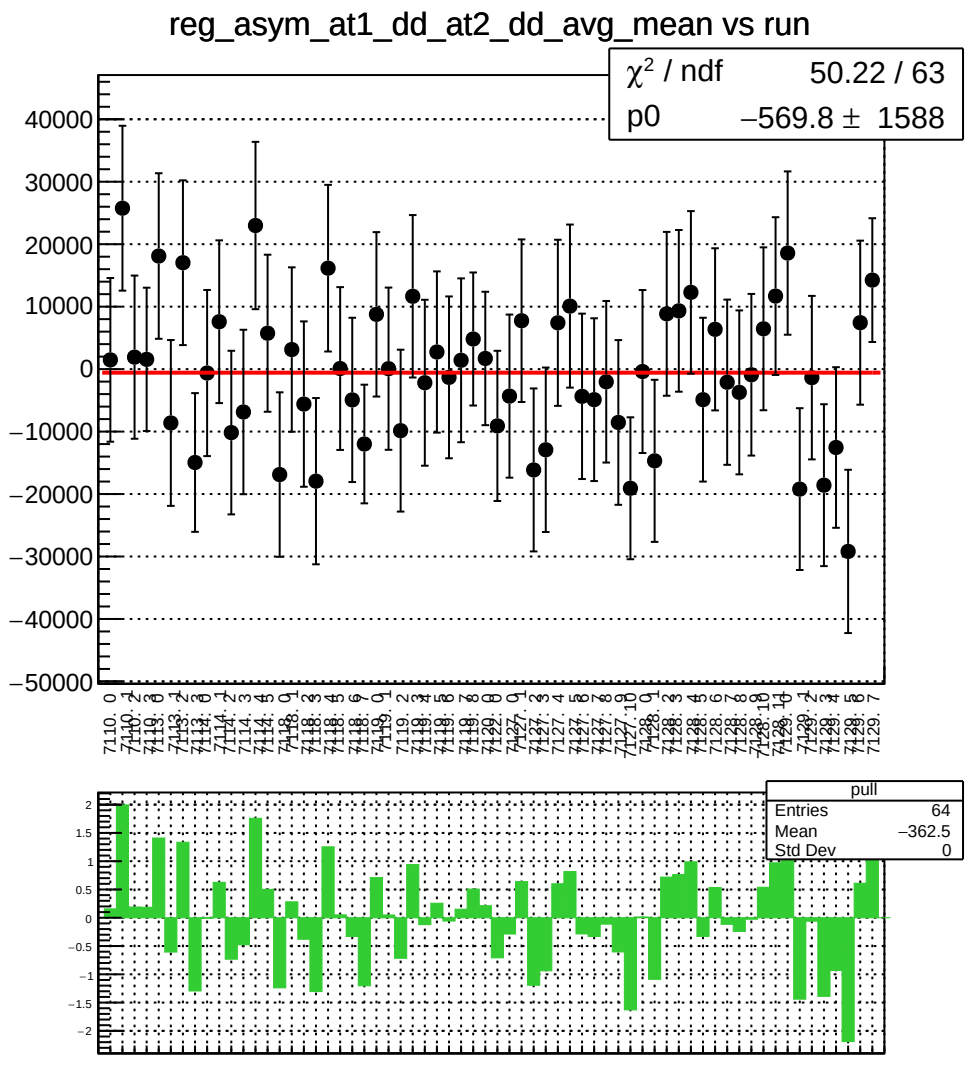

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72 / 63
p0 −0.05526 ± 0.03588
pull
Entries 64
Mean 117
Std Dev 0
pull1D
Entries 64
Mean −0.01816
Std Dev 1.06

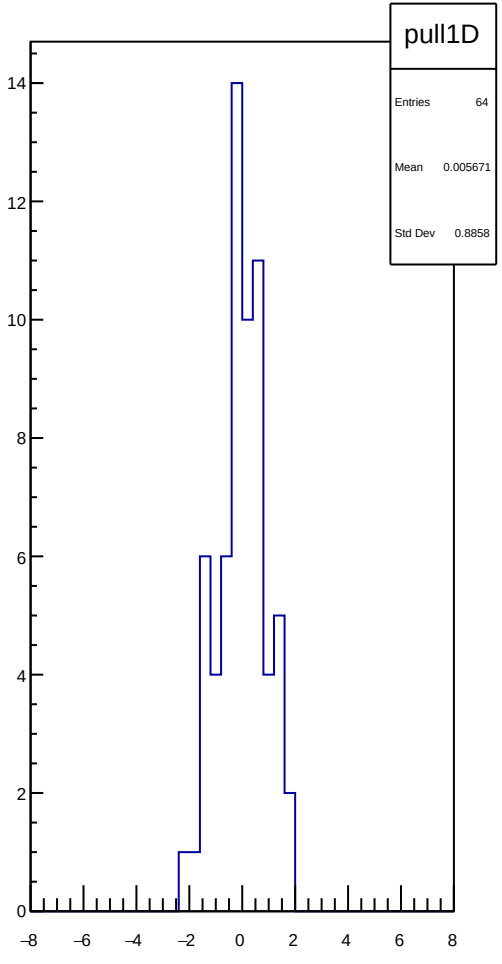

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 63
p0 26.17 ± 0.02537
60
50
40
30
20
10

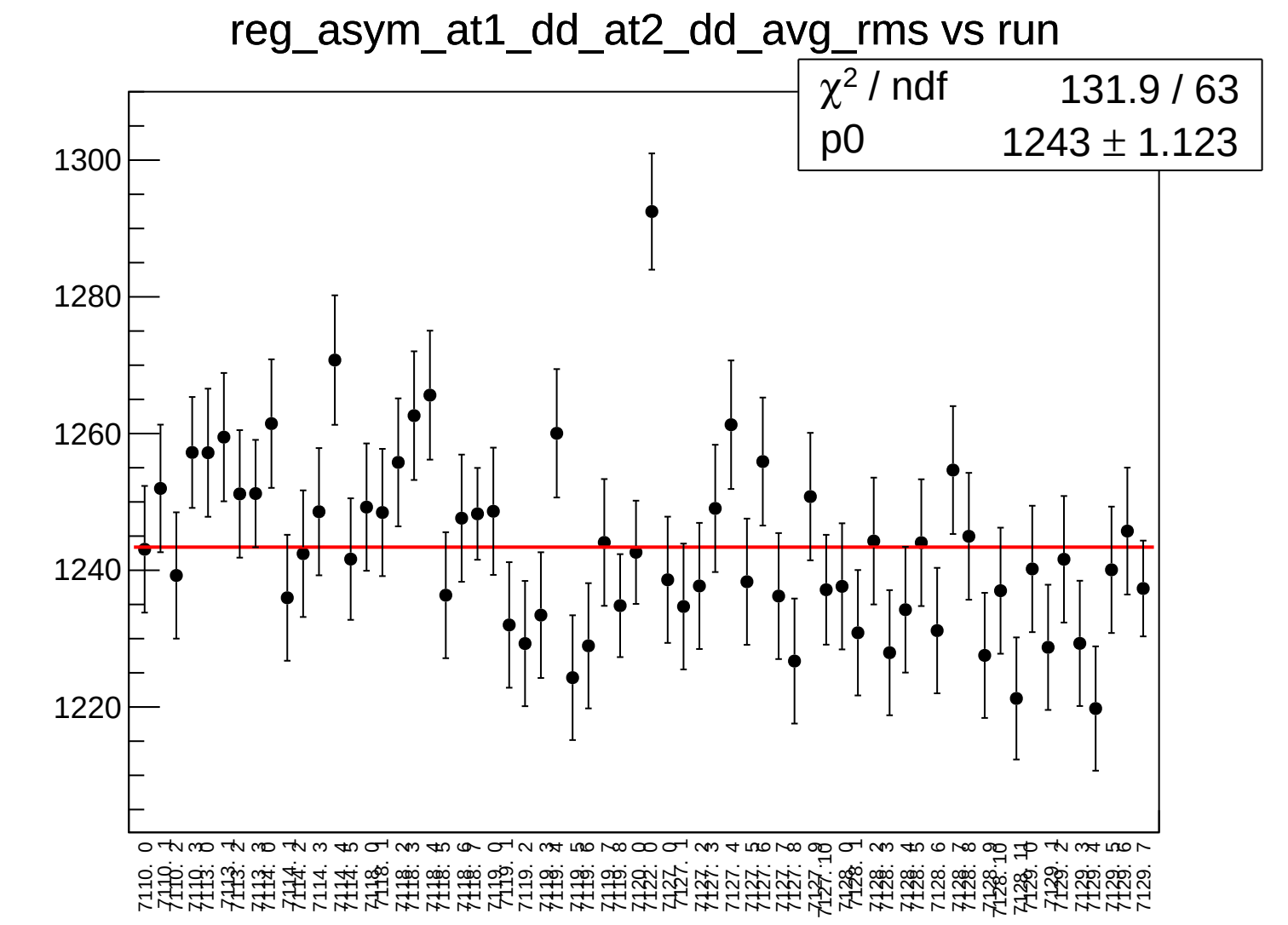

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 66.92 / 63
p0 −3.15e−15 ± 6.196e−15
pull
Entries 64
Mean 1.089
Std Dev 0

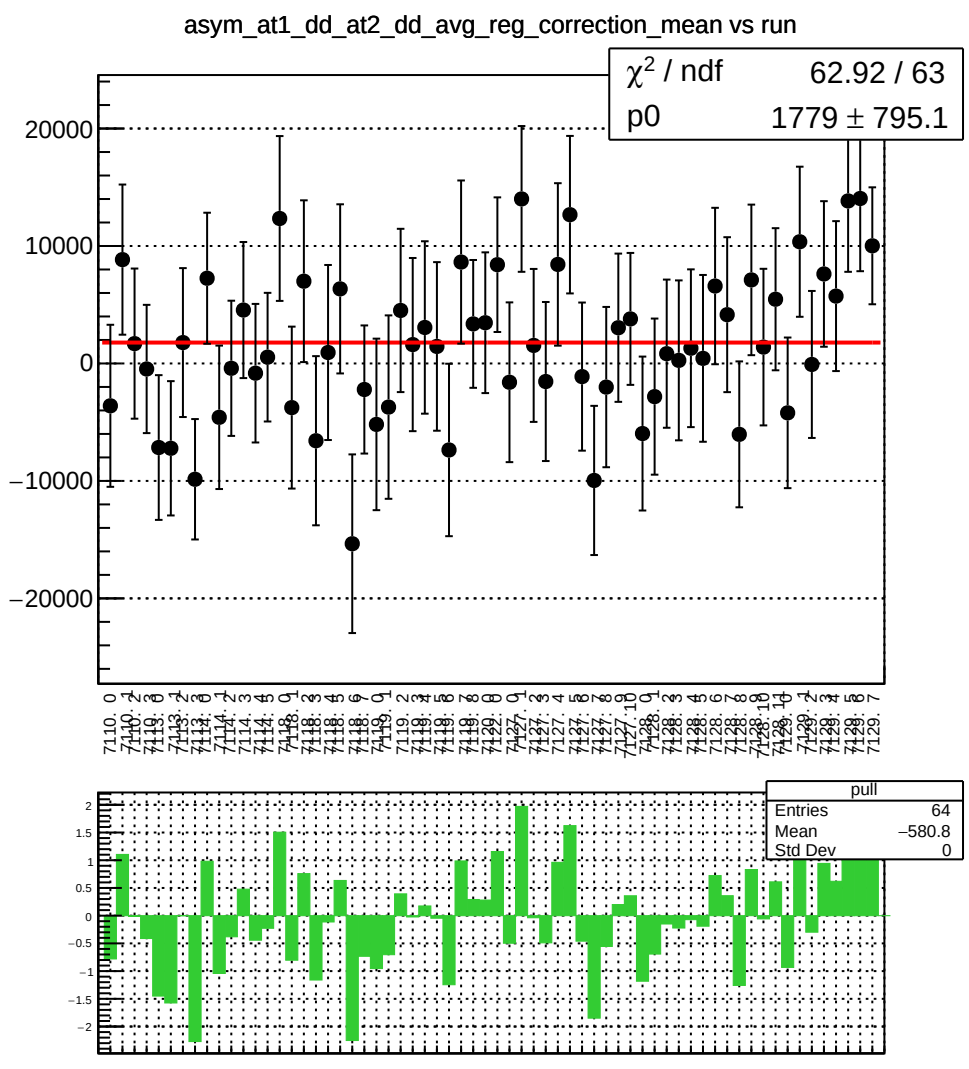

pull1D
Entries 64
Mean −0.05388
Std Dev 1.021

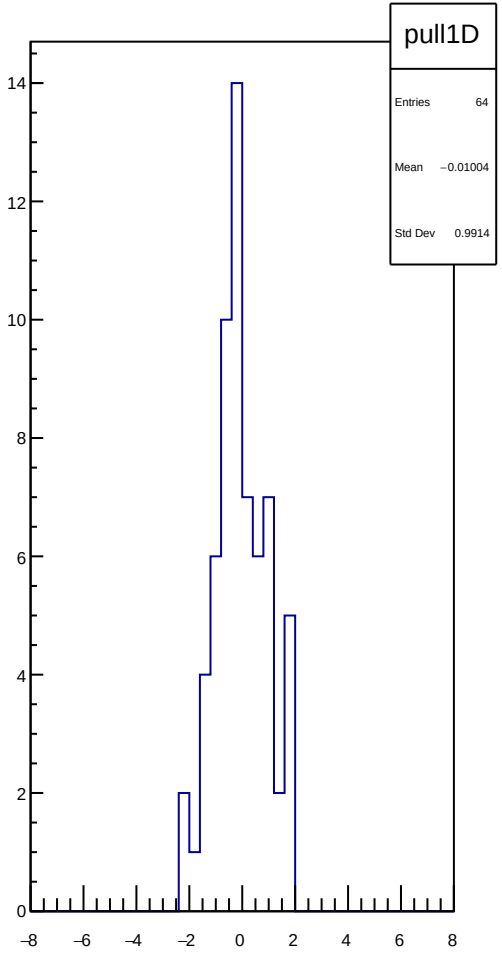

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.327e+05 / 63
p0 4.141e−12 ± 4.381e−15
45
40
35
30
25
20
15
10
5

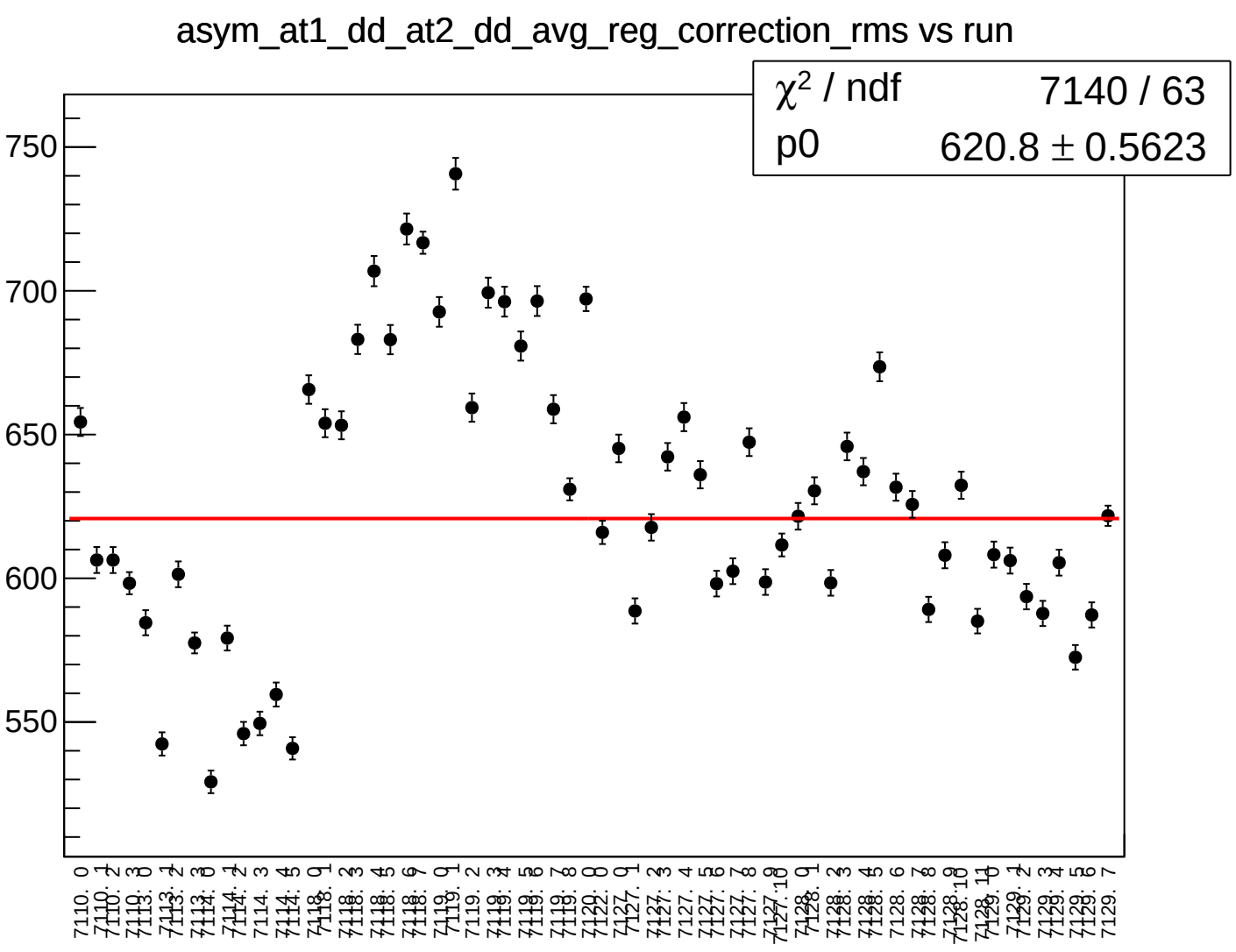

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 50.22 / 63
p0 −569.8 ± 1588
pull
Entries 64
Mean −362.5
Std Dev 0

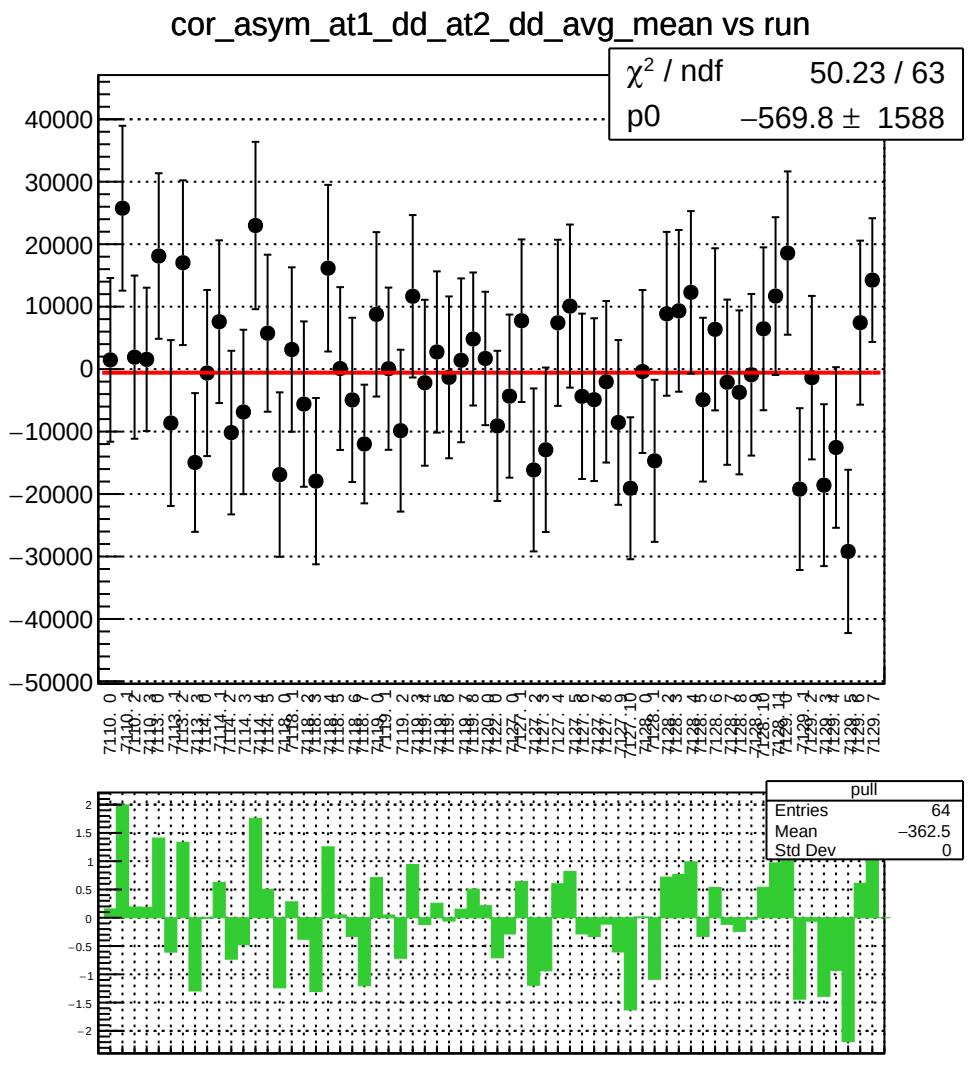

pull1D
Entries 64
Mean 0.005671
Std Dev 0.8858

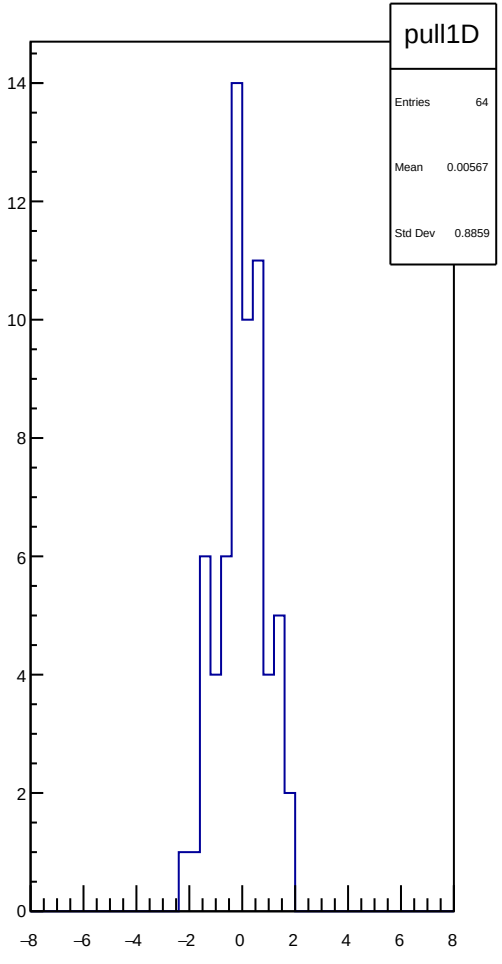

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 131.9 / 63
p0 1243 ± 1.123
1300
1280
1260
1240
1220

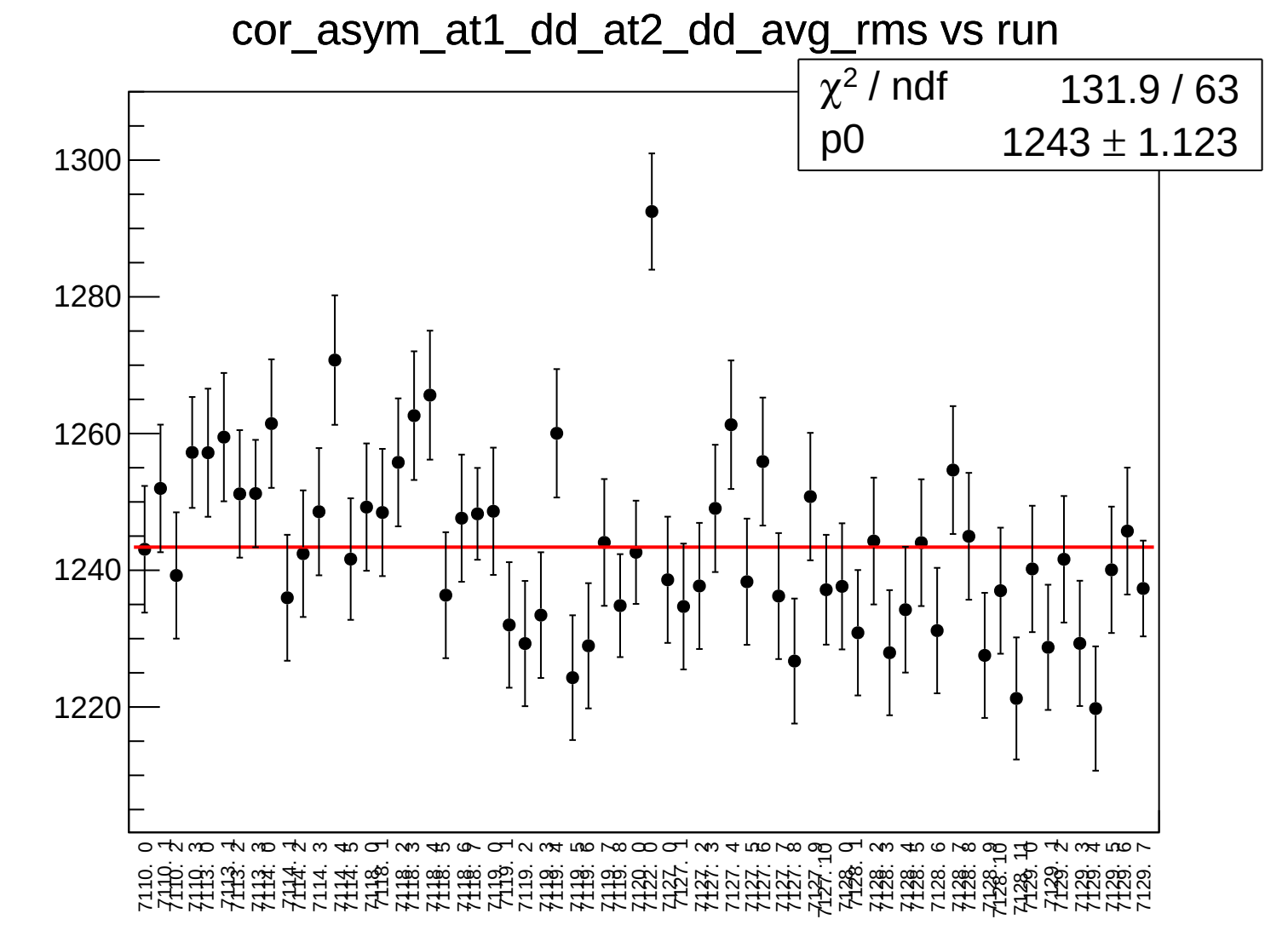

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 62.92 / 63
p0 1779 ± 795.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −580.8
Std Dev 0

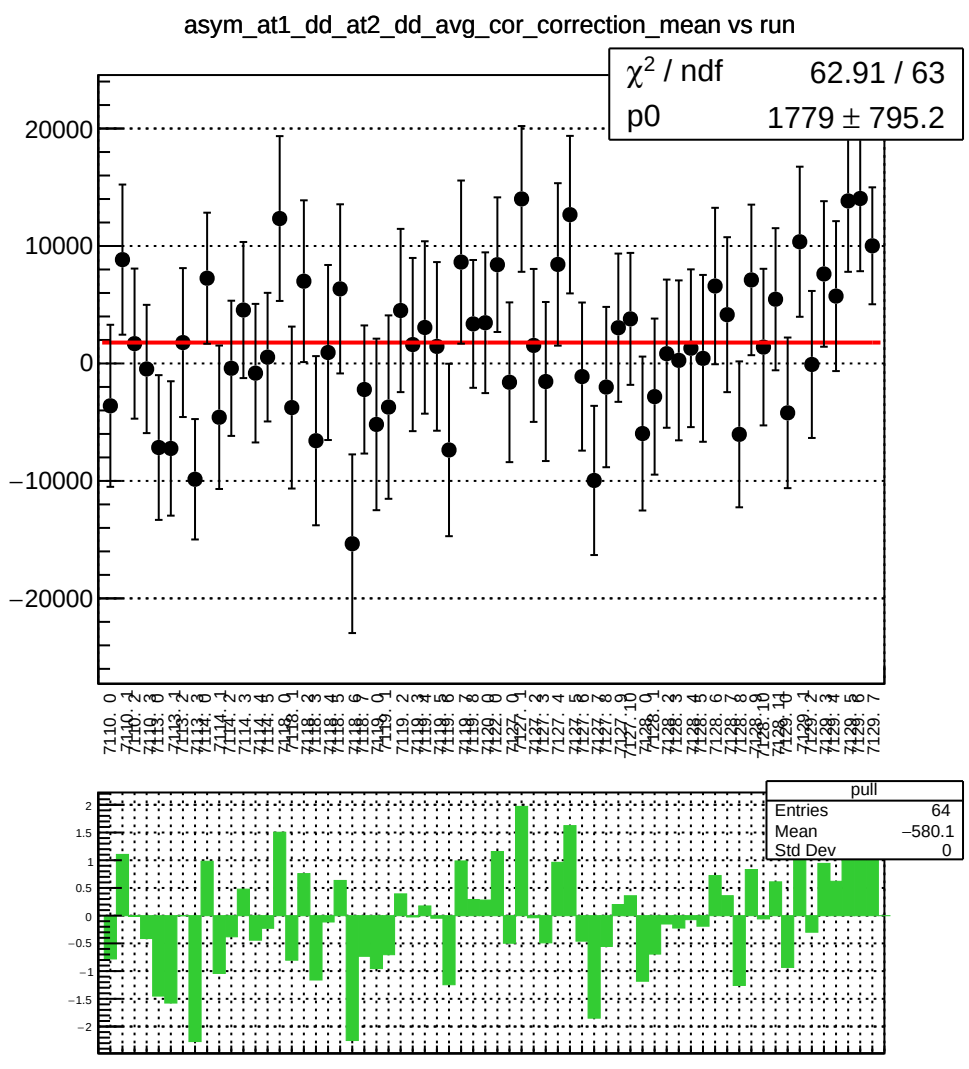

pull1D
Entries 64
Mean −0.01004
Std Dev 0.9914
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

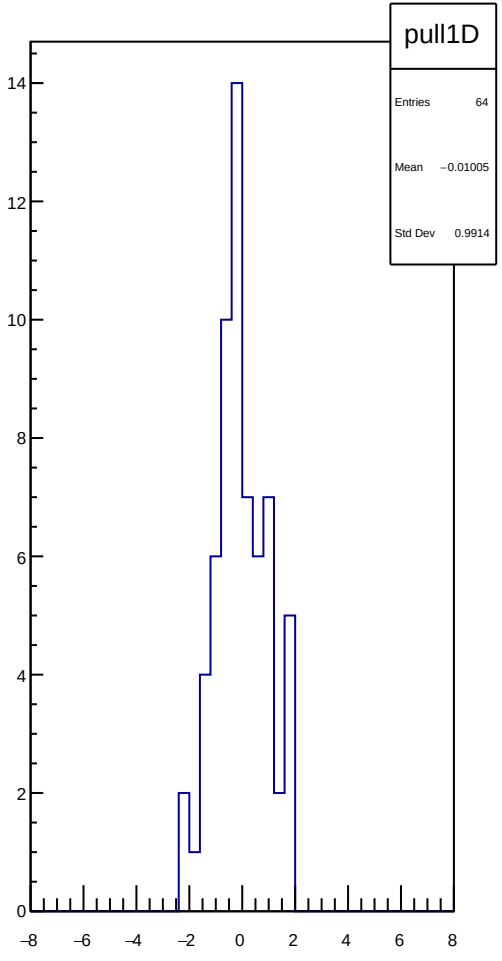

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 7140 / 63
p0 620.8 ± 0.5623
750
700
650
600
550

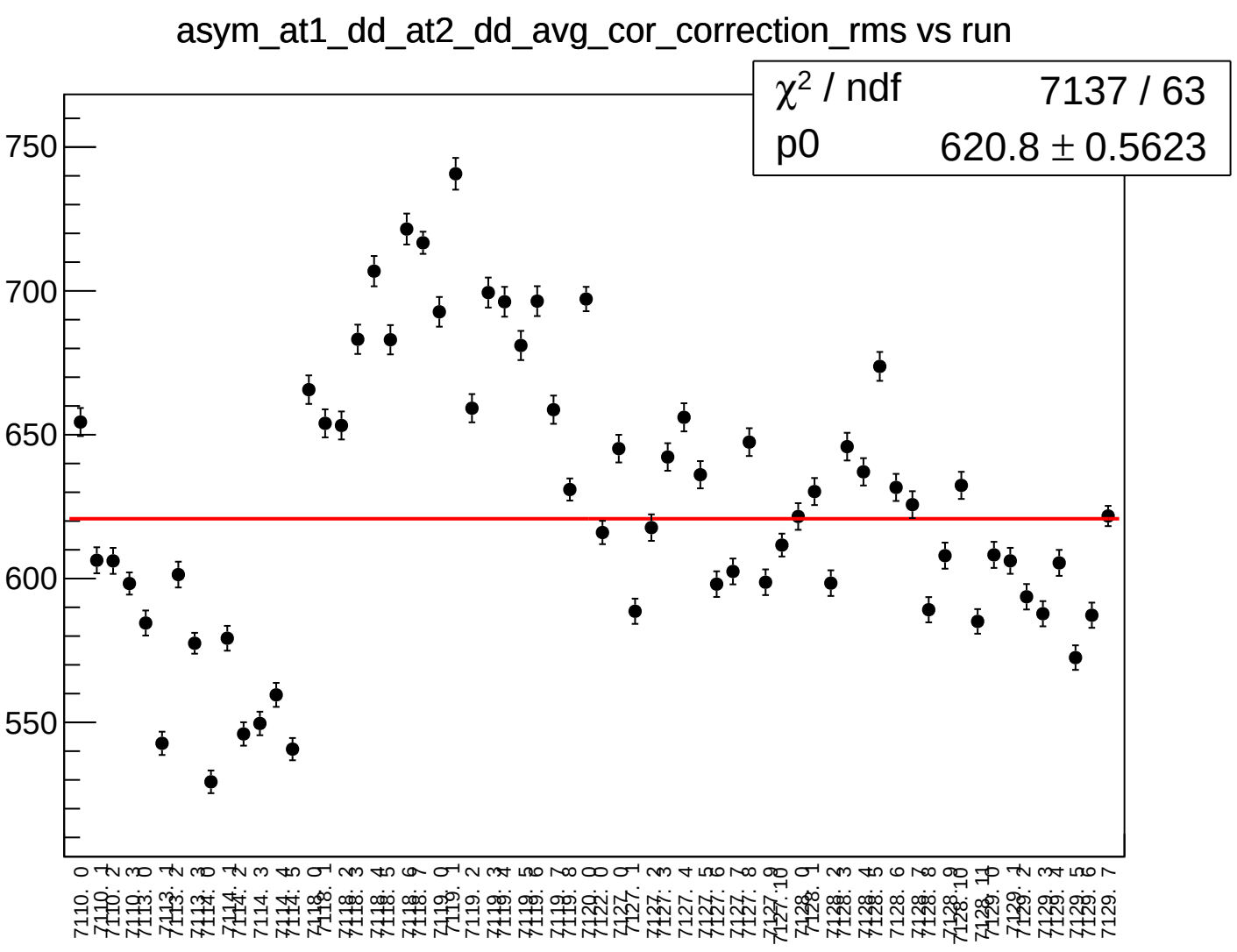

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 50.23 / 63
p0 −569.8 ± 1588
pull
Entries 64
Mean −362.5
Std Dev 0

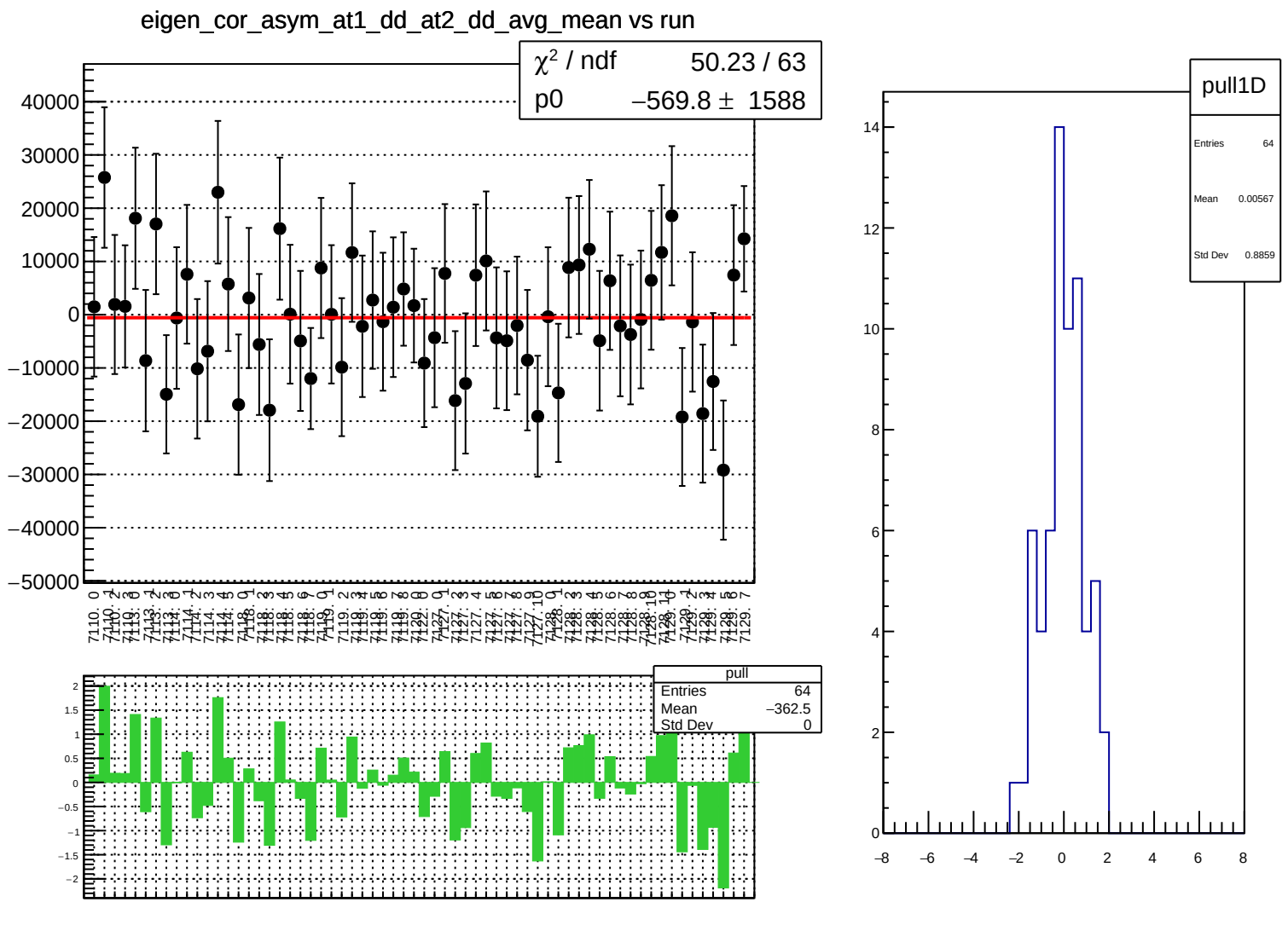

pull1D
Entries 64
Mean 0.00567
Std Dev 0.8859

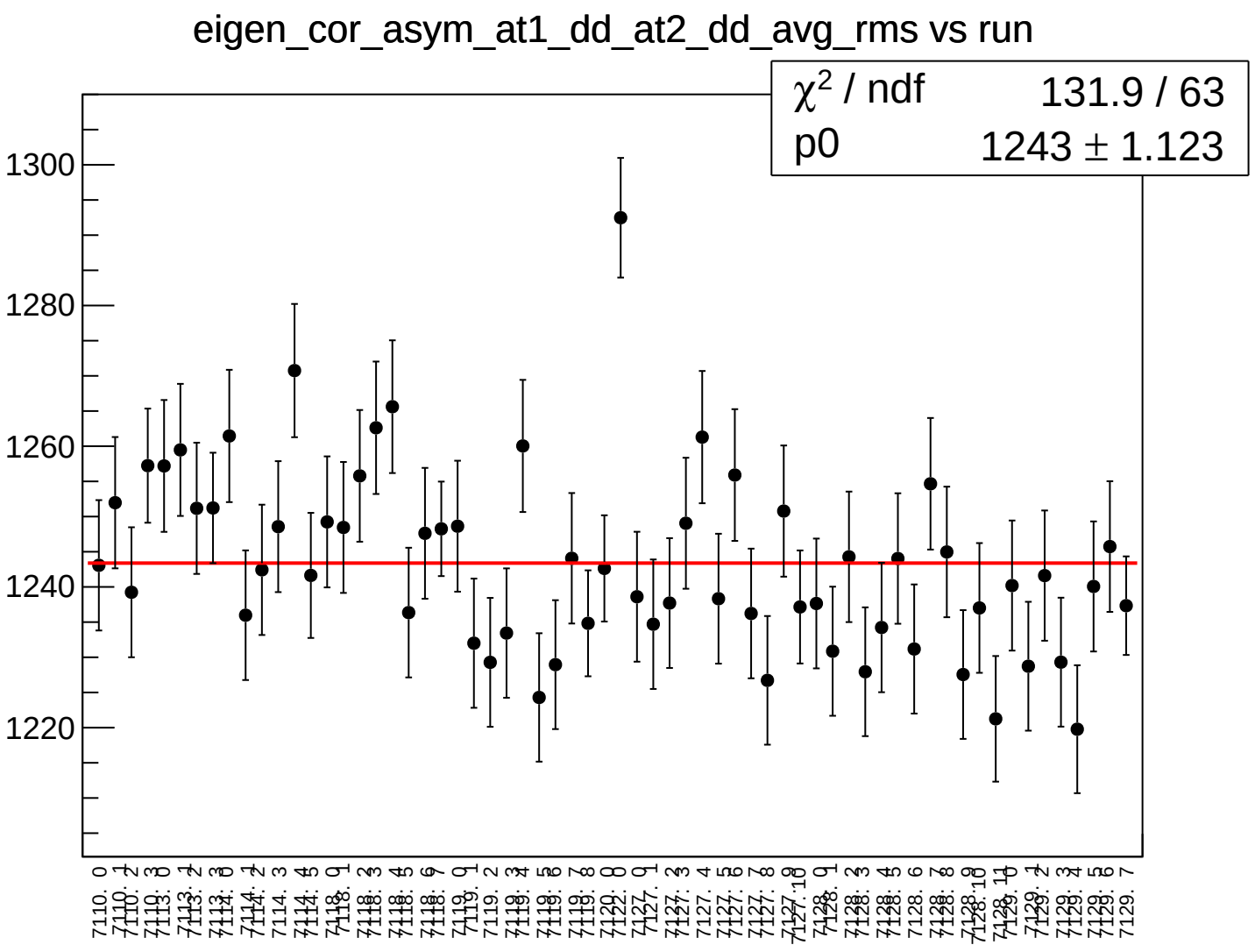

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 131.9 / 63
p0 1243 ± 1.123
1300
1280
1260
1240
1220

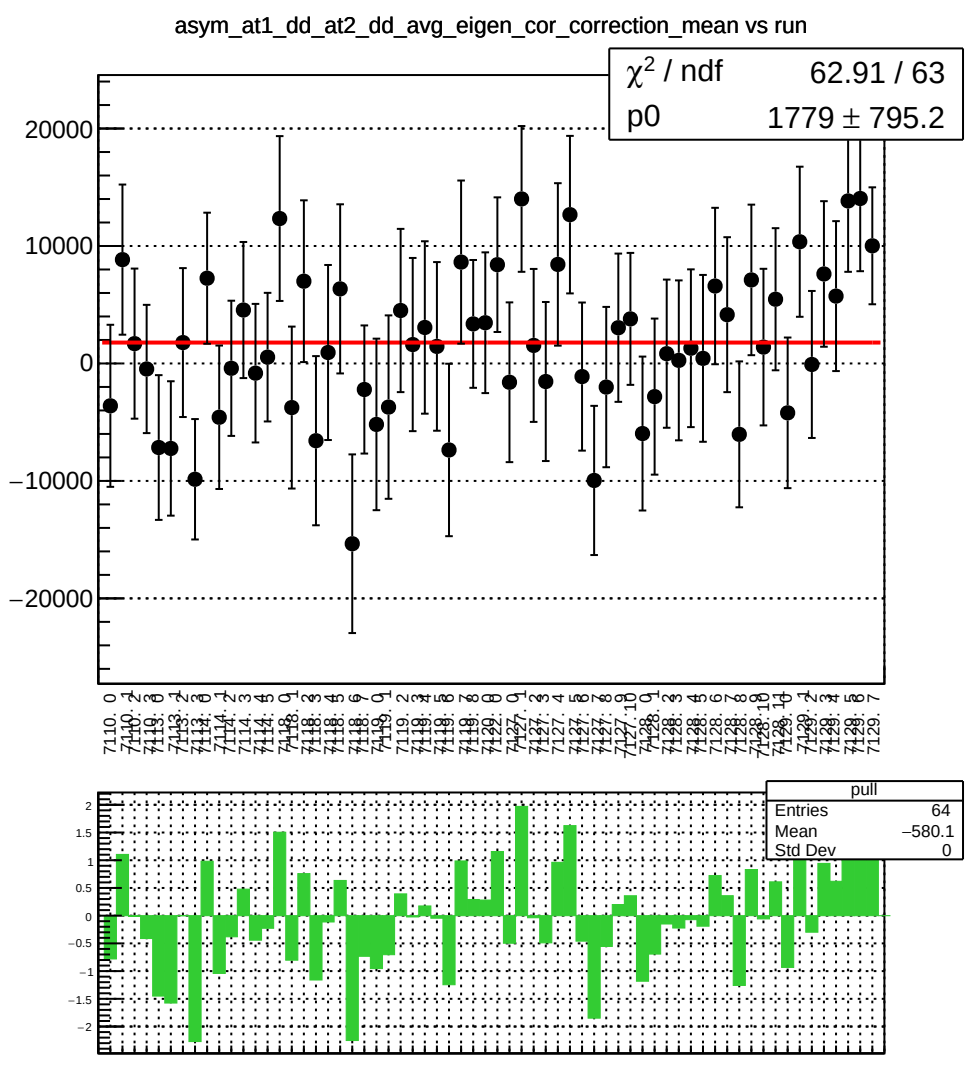

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 62.91 / 63
p0 1779 ± 795.2
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −580.1
Std Dev 0

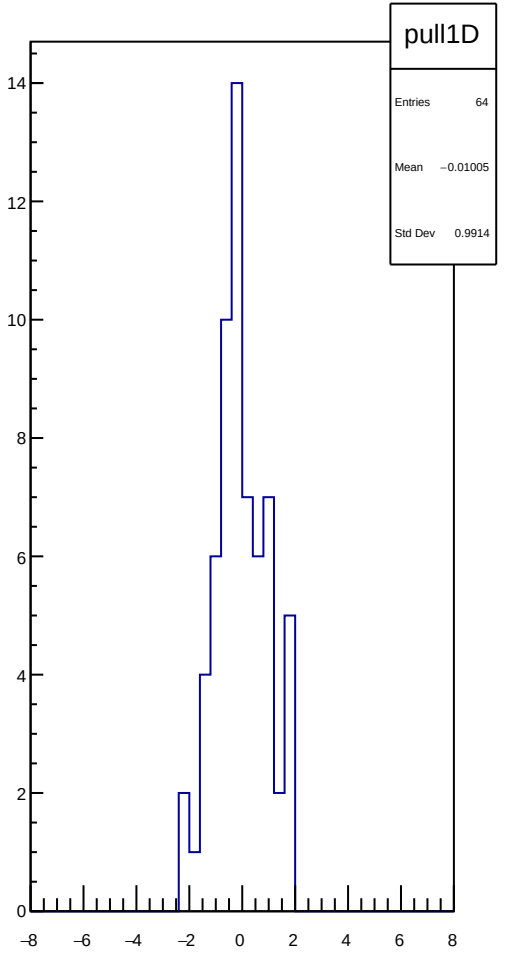

pull1D
Entries 64
Mean −0.01005
Std Dev 0.9914

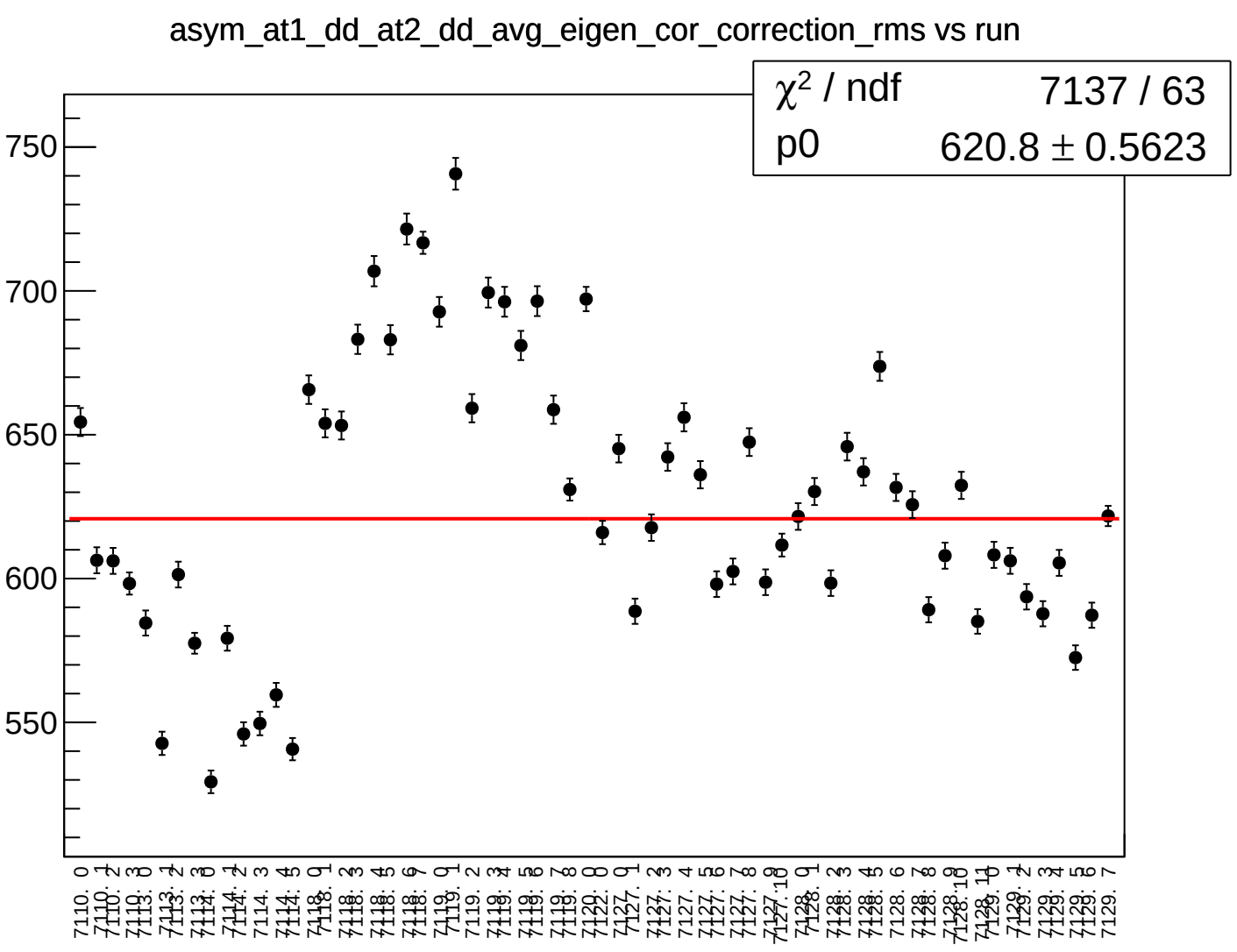

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 7137 / 63
p0 620.8 ± 0.5623
750
700
650
600
550

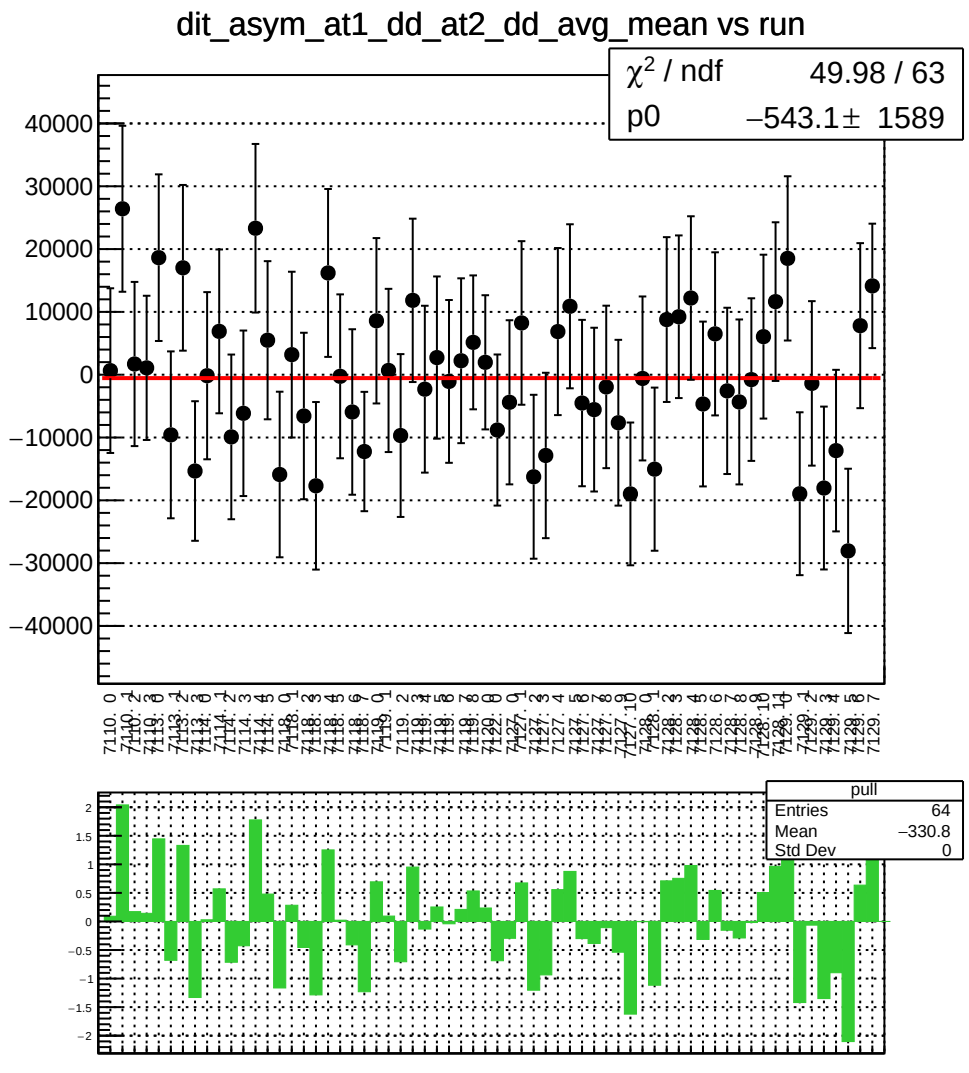

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 50.23 / 63
p0 −569.8 ± 1588
pull
Entries 64
Mean −362.5
Std Dev 0
pull1D
Entries 64
Mean 0.00567
Std Dev 0.8859

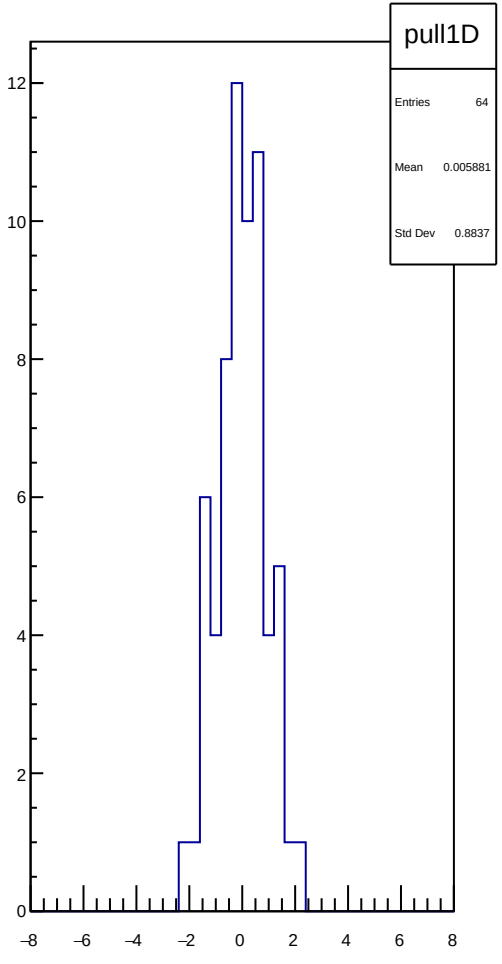

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 131.9 / 63
p0 1243 ± 1.123
1300
1280
1260
1240
1220

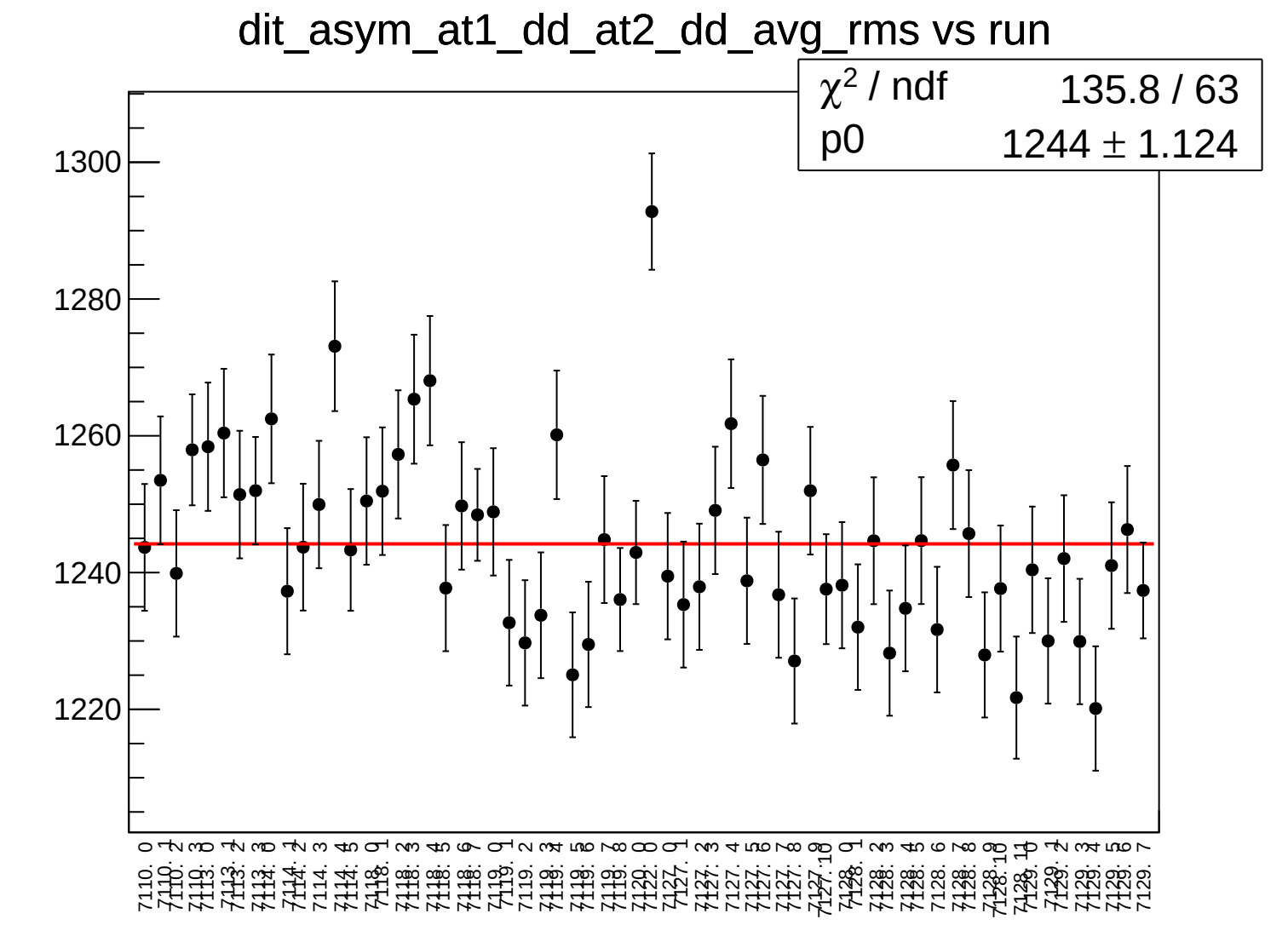

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.91 / 63
p0 1779 ± 795.2
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −580.1
Std Dev 0

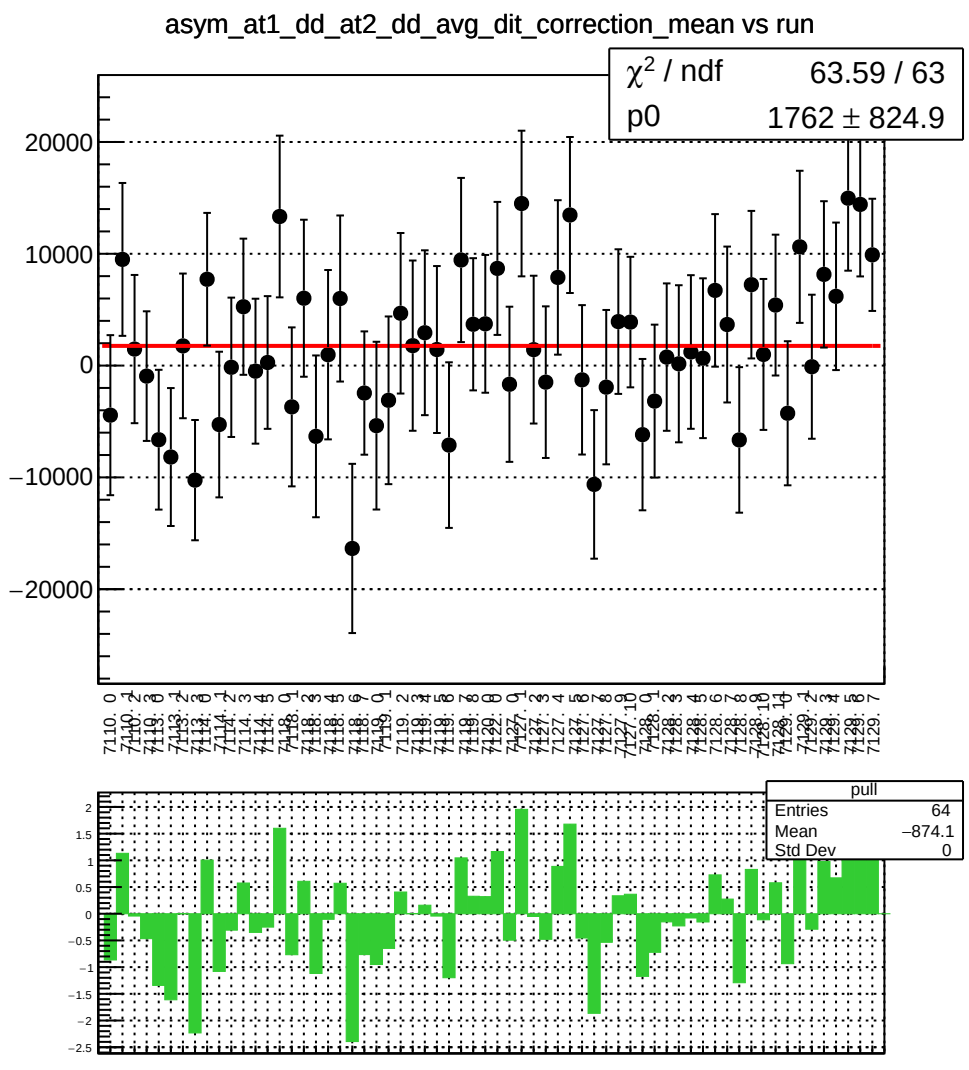

pull1D
Entries 64
Mean −0.01005
Std Dev 0.9914

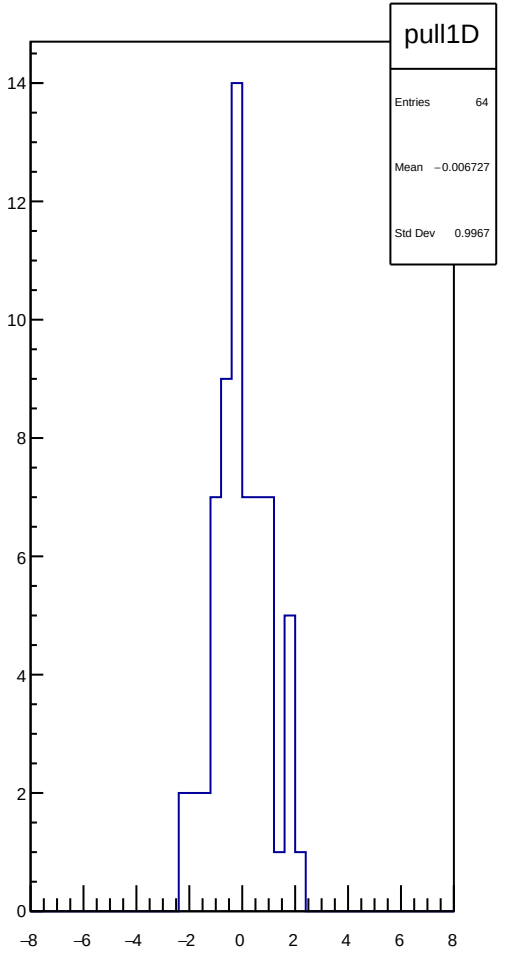

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7137 / 63
p0 620.8 ± 0.5623
750
700
650
600
550

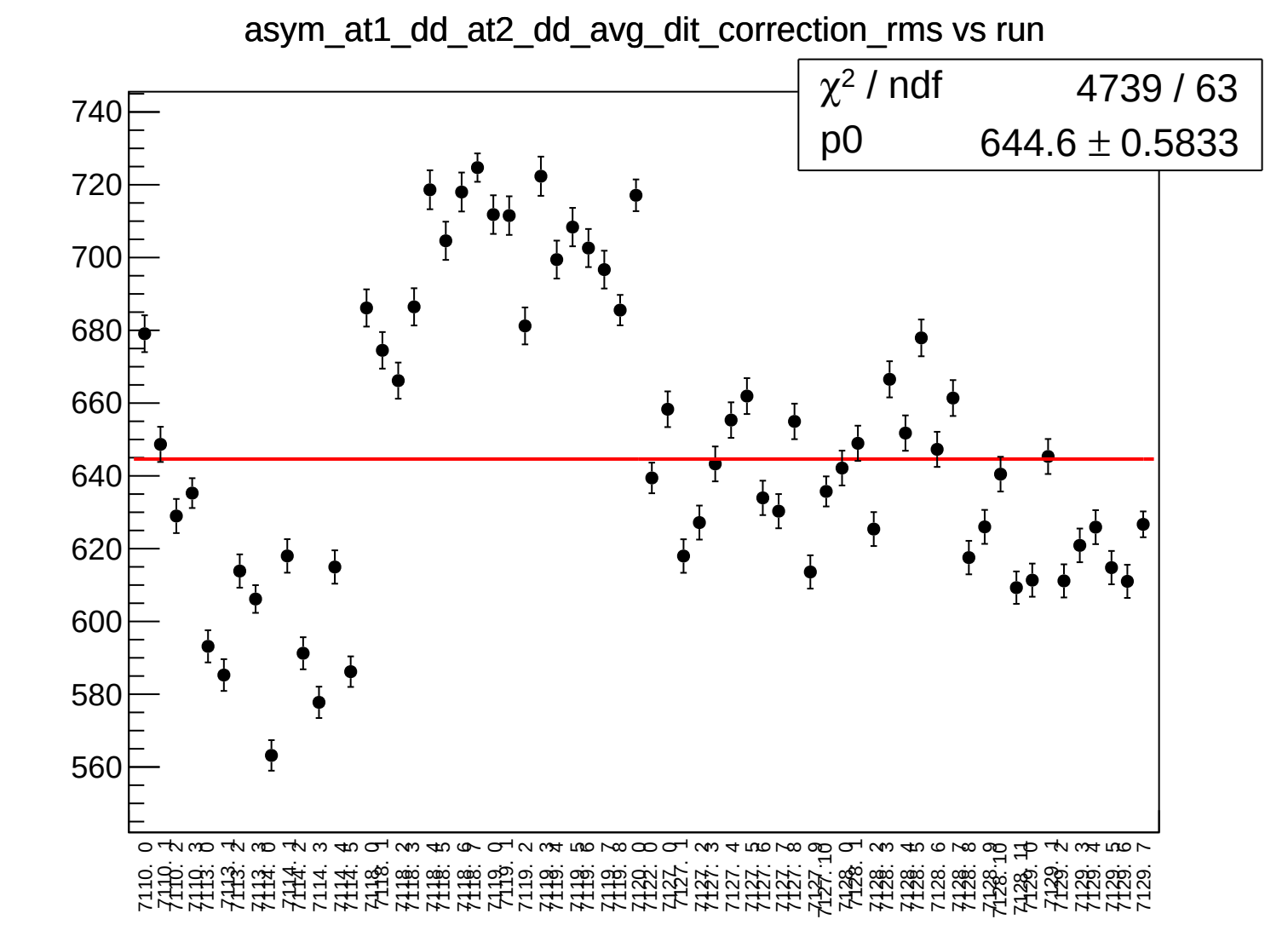

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 49.98 / 63
p0 −543.1± 1589
pull
Entries 64
Mean −330.8
Std Dev 0

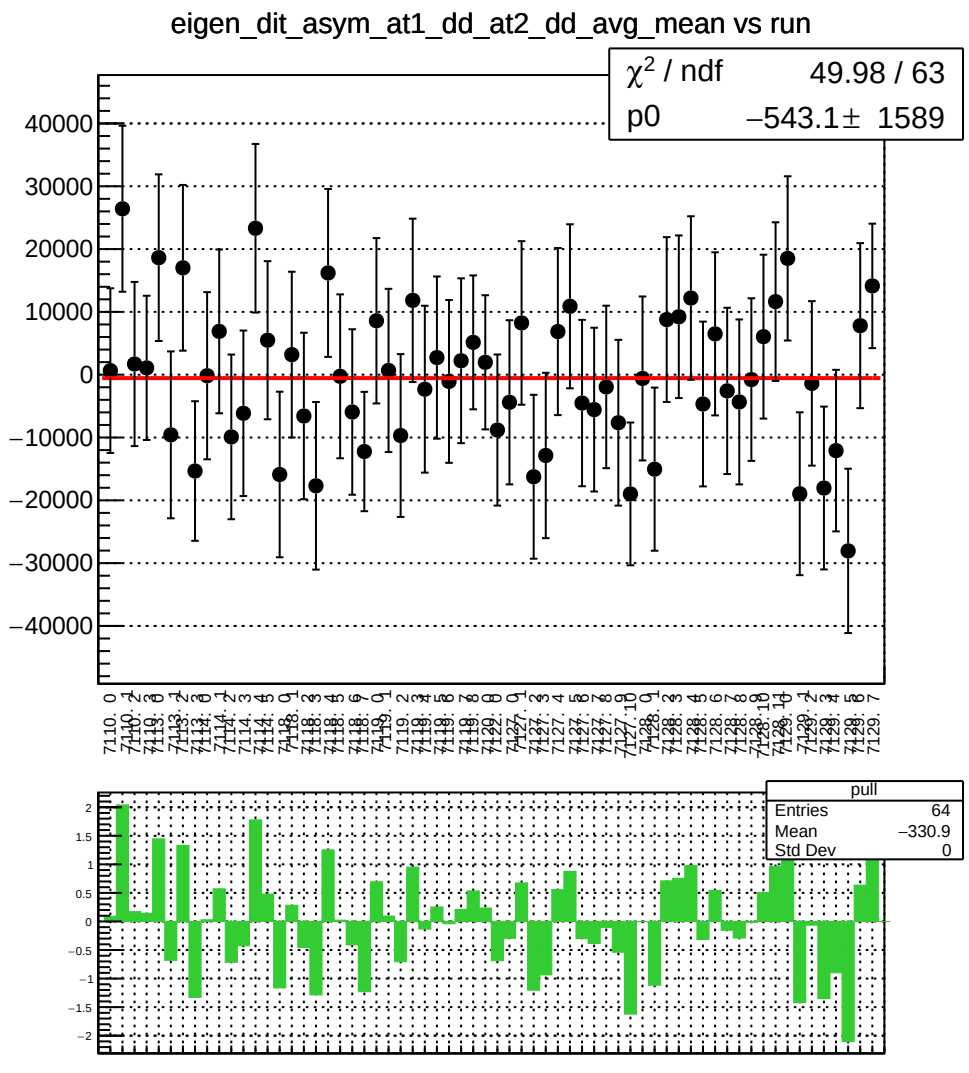

pull1D
Entries 64
Mean 0.005881
Std Dev 0.8837

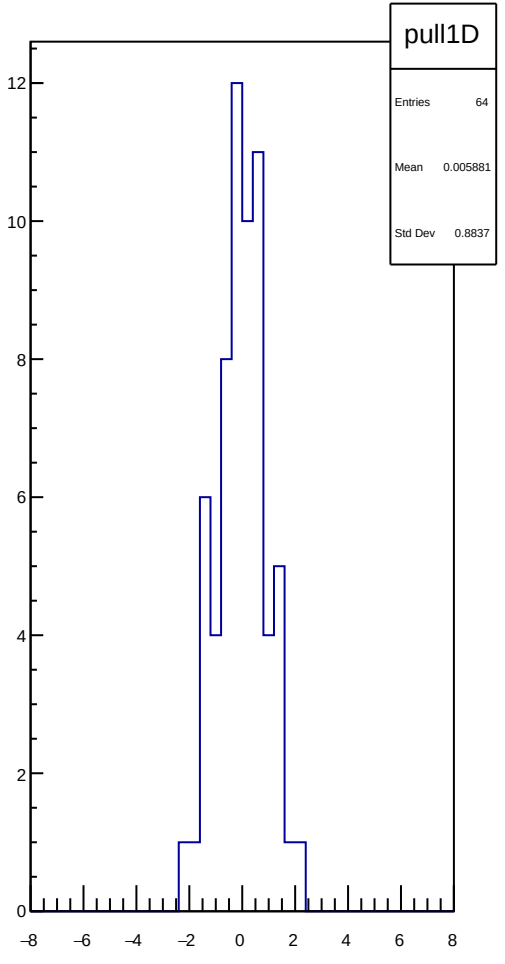

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 135.8 / 63
p0 1244 ± 1.124
1300
1280
1260
1240
1220

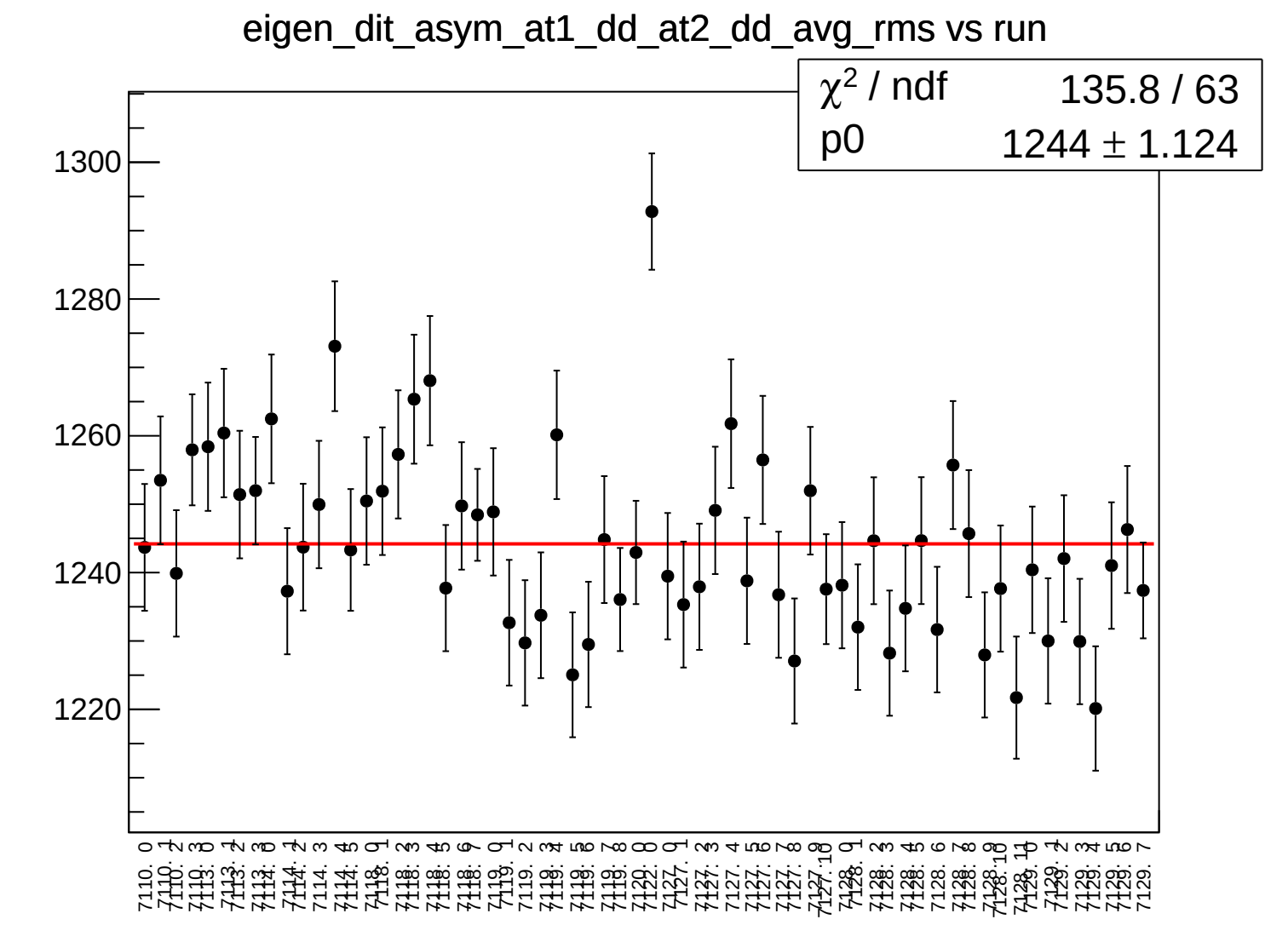

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 63.59 / 63
p0 1762 ± 824.9
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −874.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

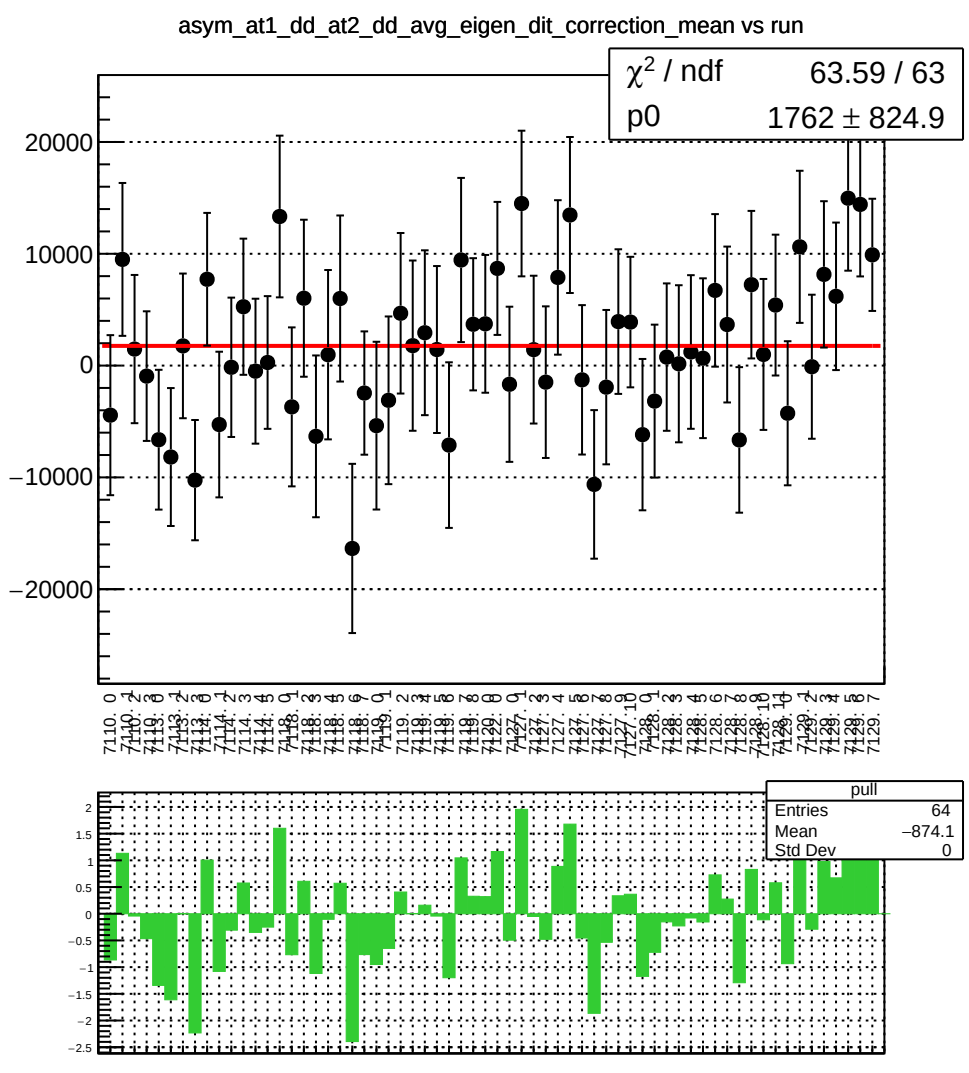

pull1D
Entries 64
Mean −0.006727
Std Dev 0.9967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

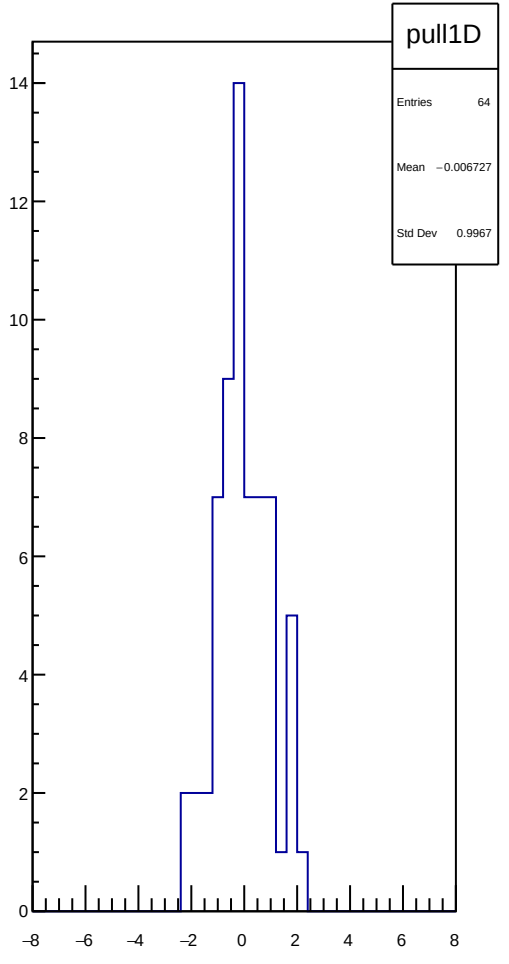

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 4739 / 63
p0 644.6 ± 0.5833
740
720
700
680
660
640
620
600
580
560

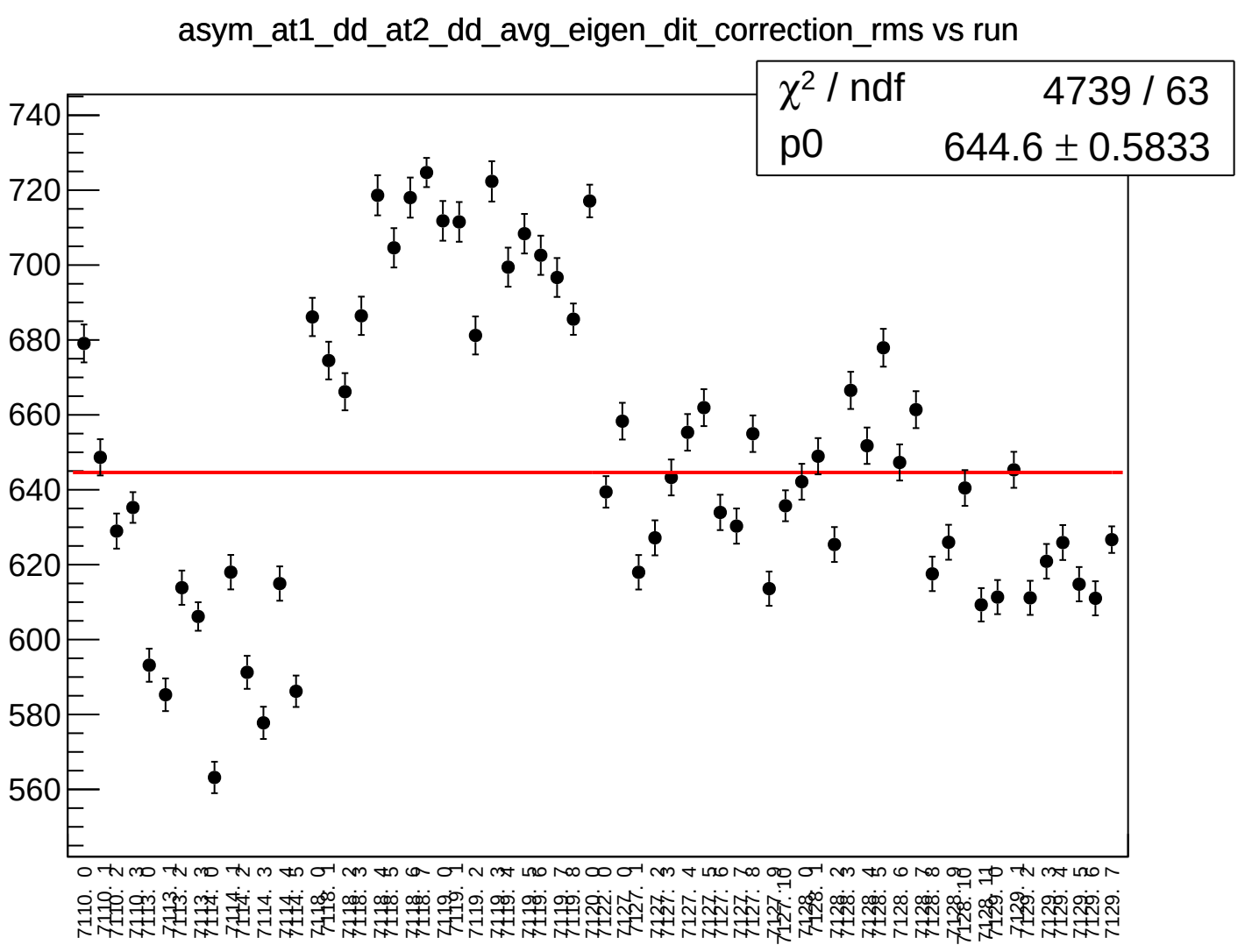

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 49.98 / 63
p0 −543.1± 1589
pull
Entries 64
Mean −330.9
Std Dev 0

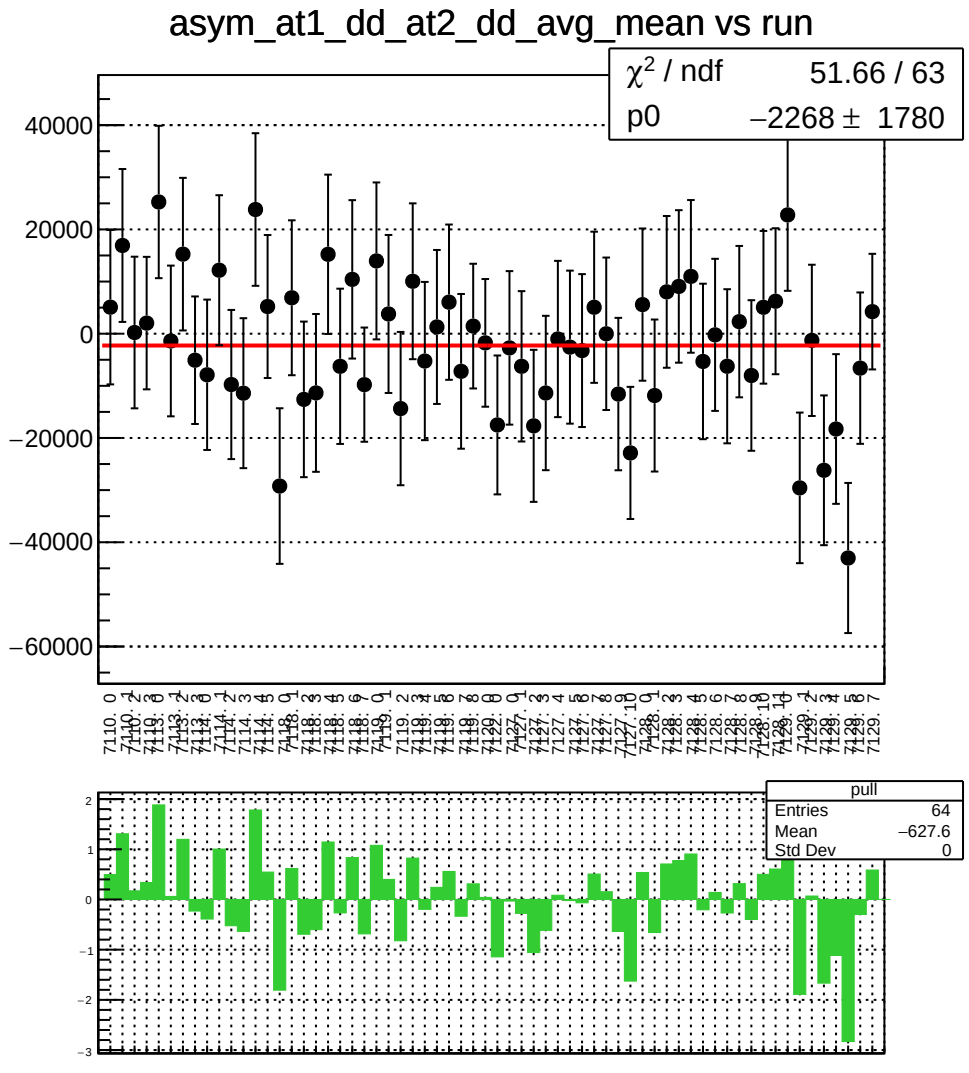

pull1D
Entries 64
Mean 0.005881
Std Dev 0.8837

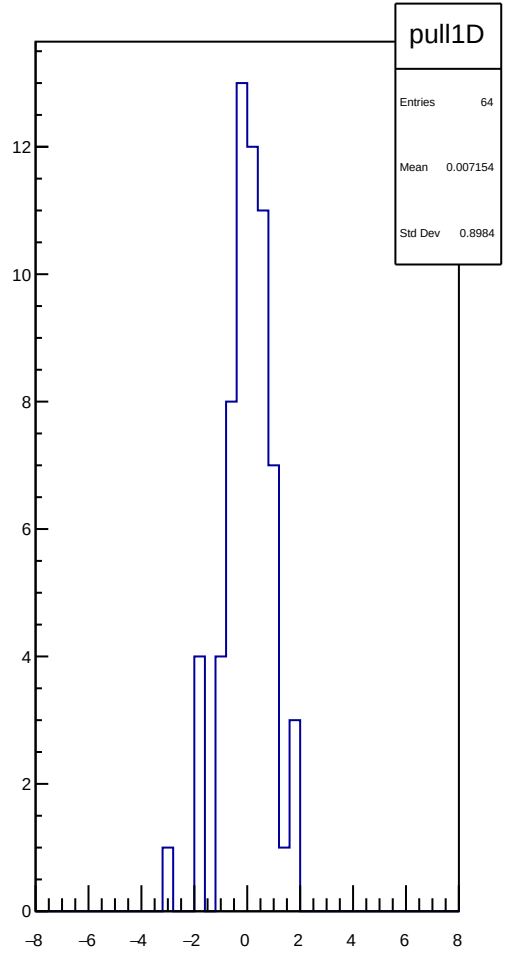

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 135.8 / 63
p0 1244 ± 1.124
1300
1280
1260
1240
1220

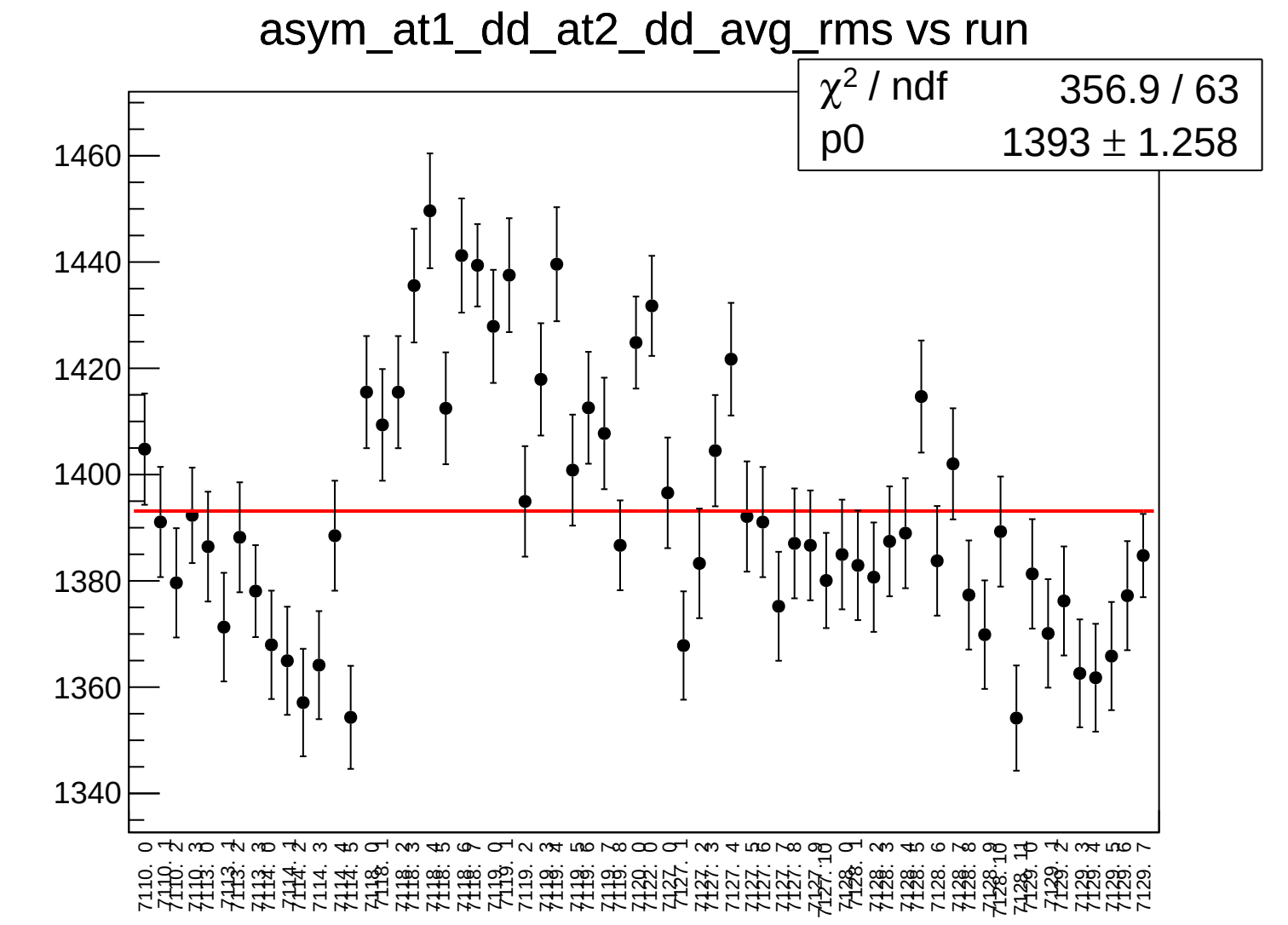

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.59 / 63
p0 1762 ± 824.9
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −874.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

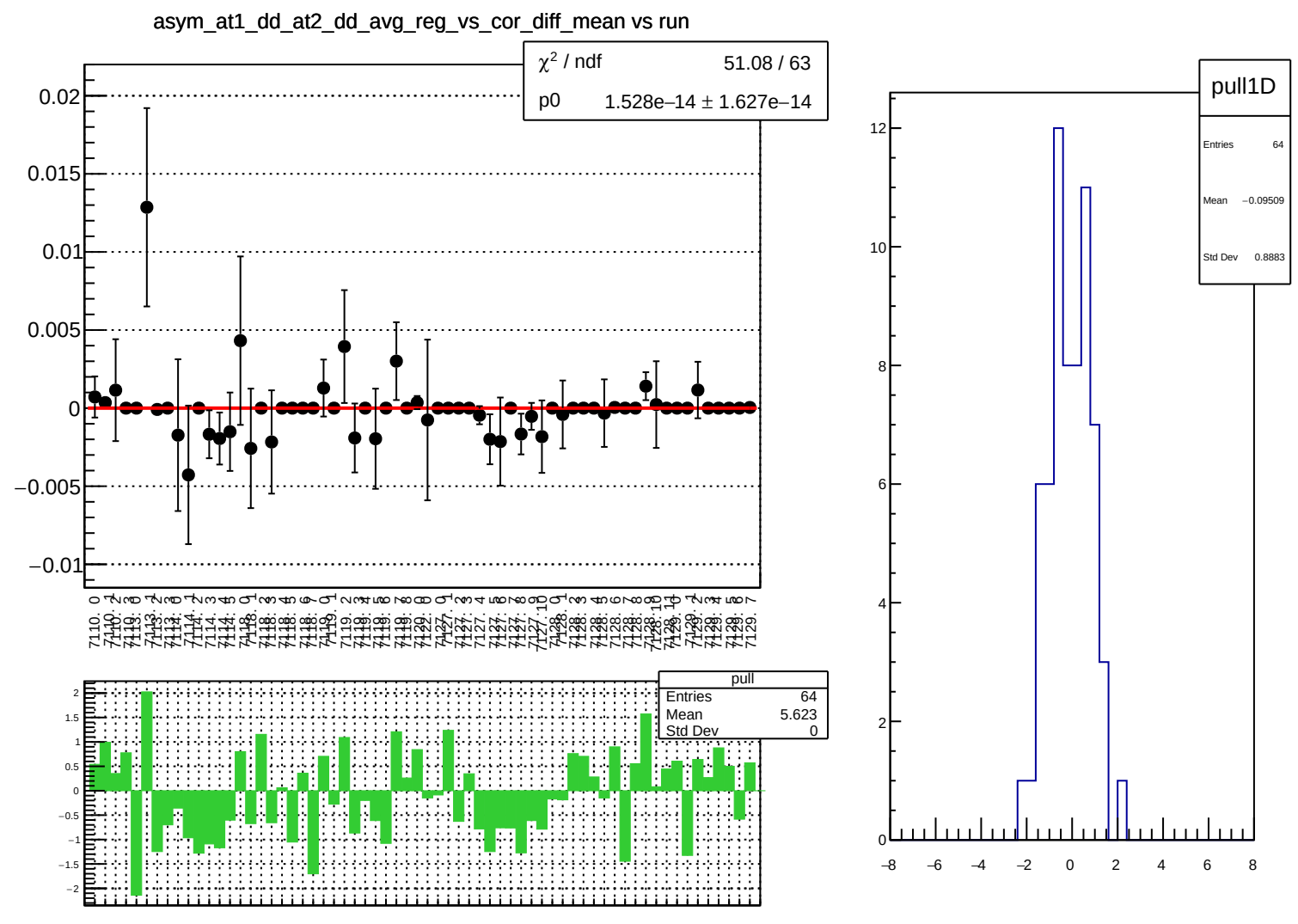

pull1D
Entries 64
Mean −0.006727
Std Dev 0.9967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

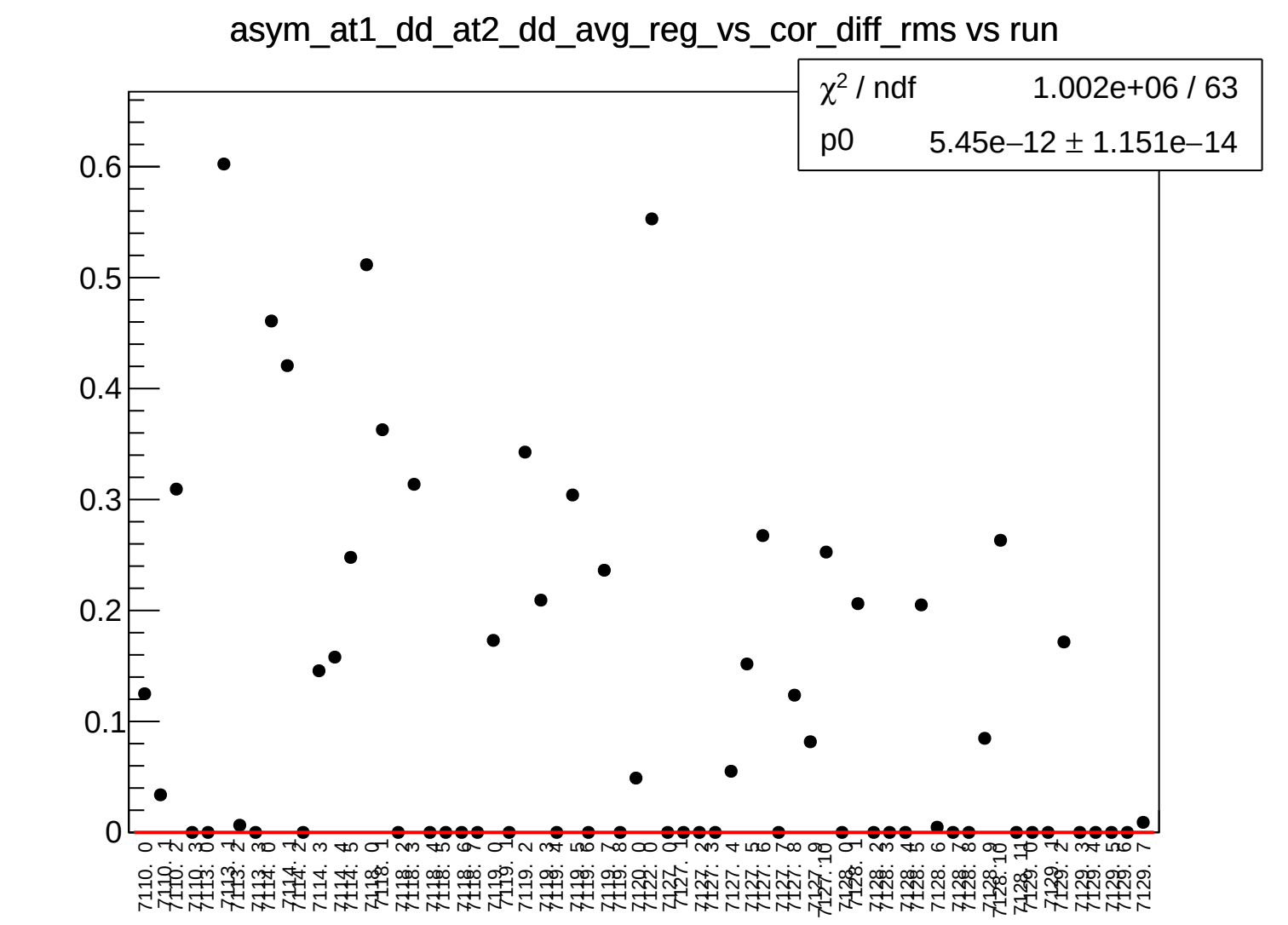

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4739 / 63
p0 644.6 ± 0.5833
740
720
700
680
660
640
620
600
580
560
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

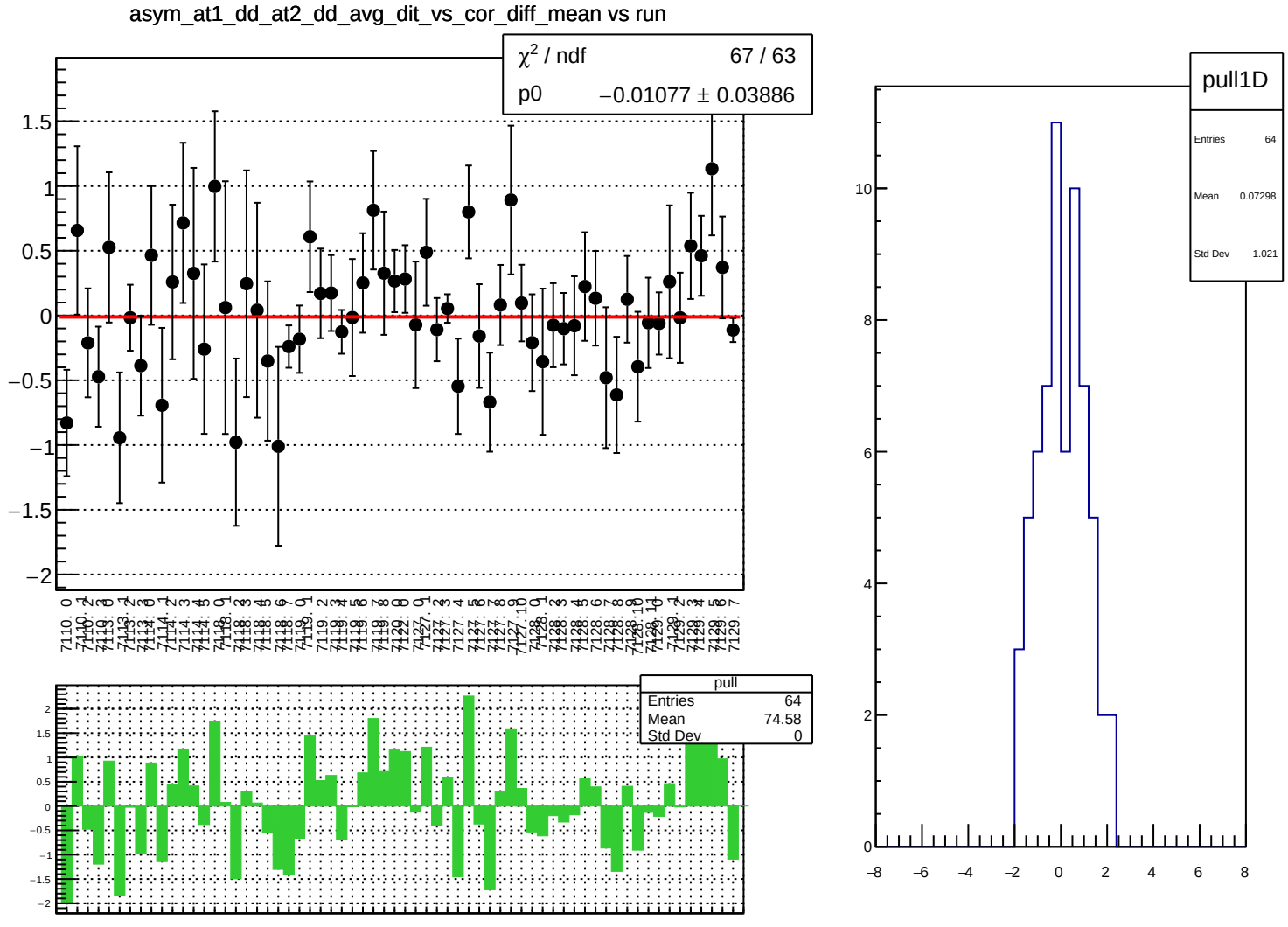

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 51.66 / 63
p0 −2268 ± 1780
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −627.6
Std Dev 0
2
1
0
−1
−2
−3

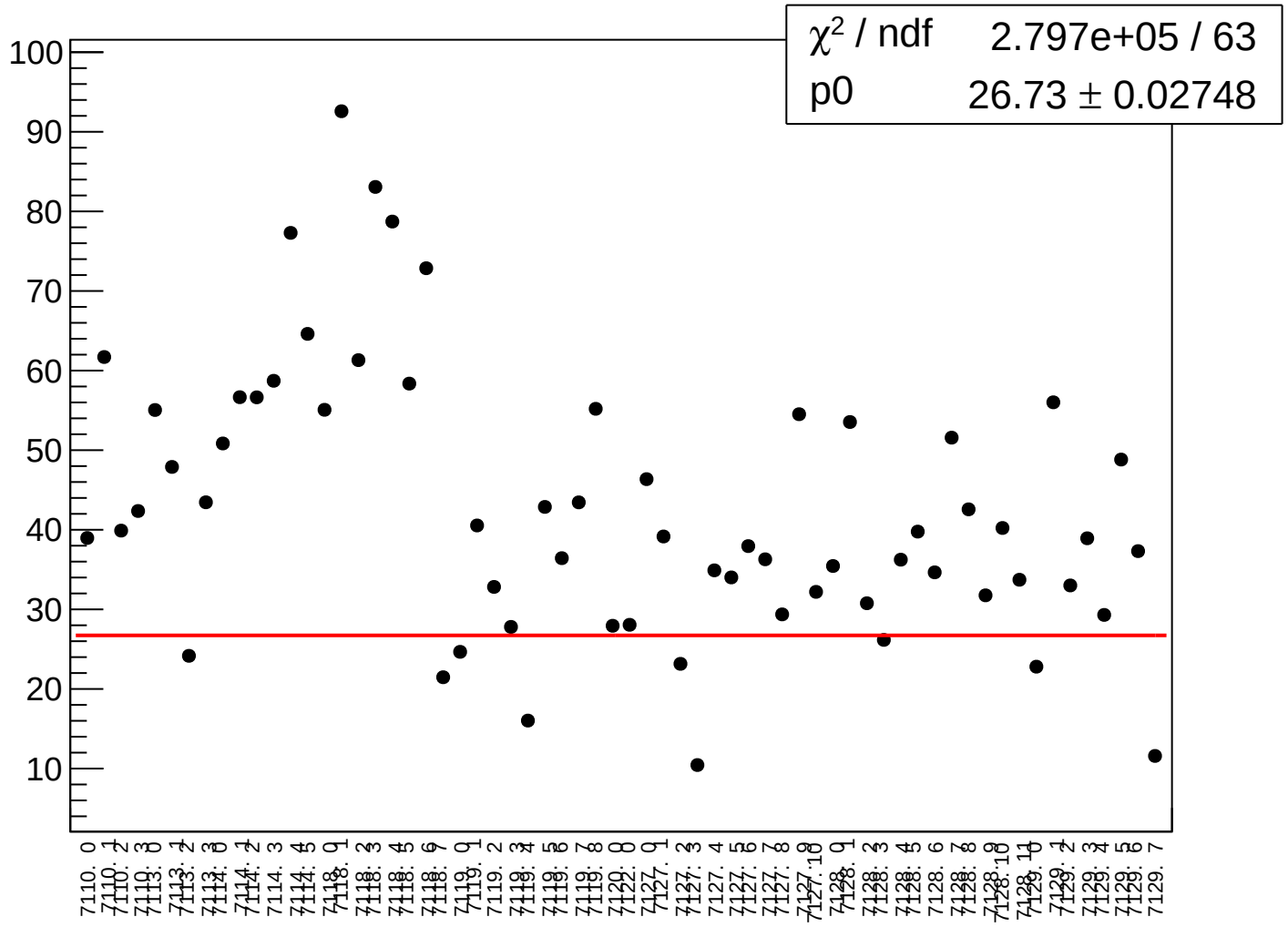

pull1D
Entries 64
Mean 0.007154
Std Dev 0.8984
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

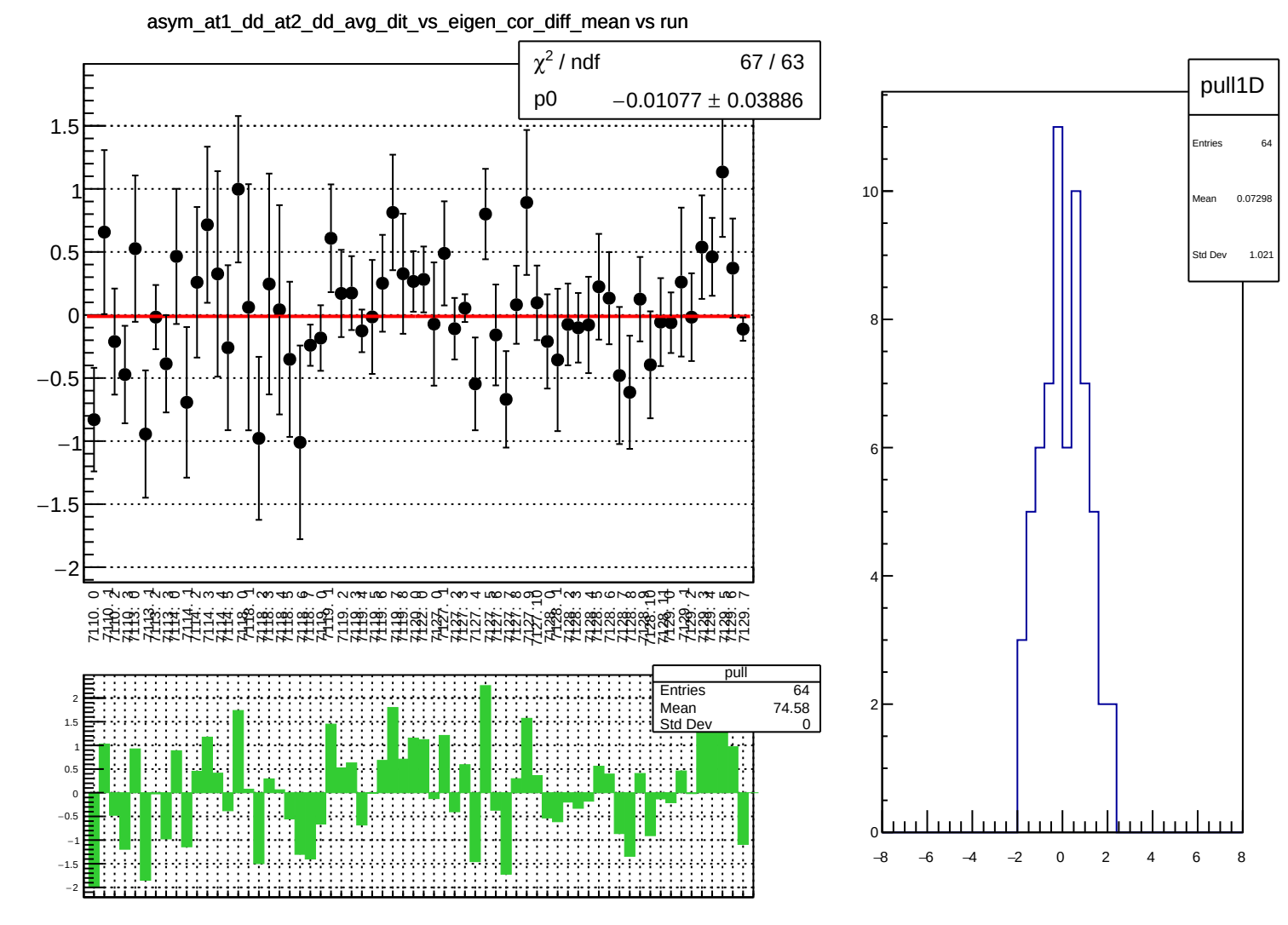

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 356.9 / 63
p0 1393 ± 1.258
1460
1440
1420
1400
1380
1360
1340

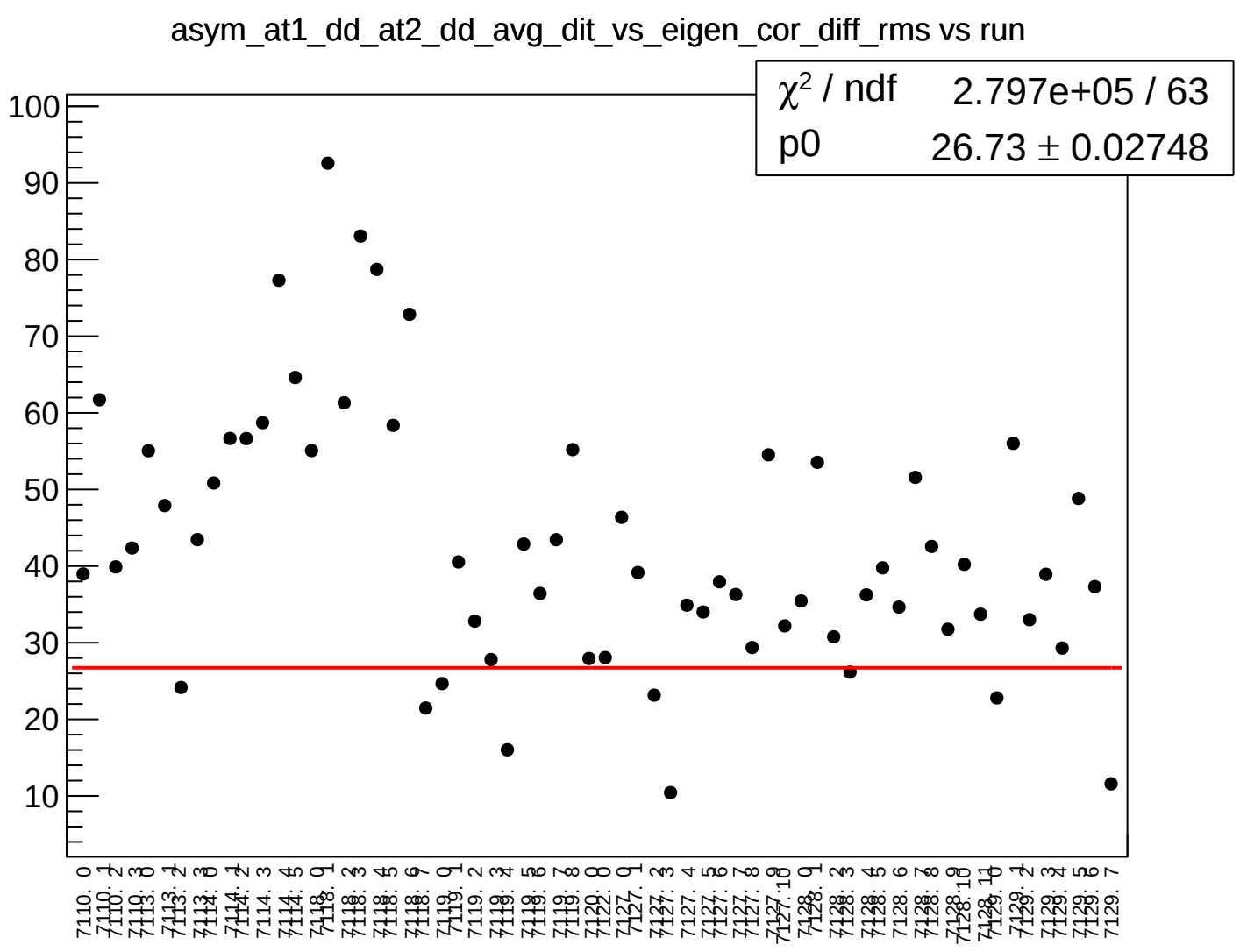

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.08 / 63
p0 1.528e−14 ± 1.627e−14
0.02
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 64
Mean 5.623
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.09509
Std Dev 0.8883
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

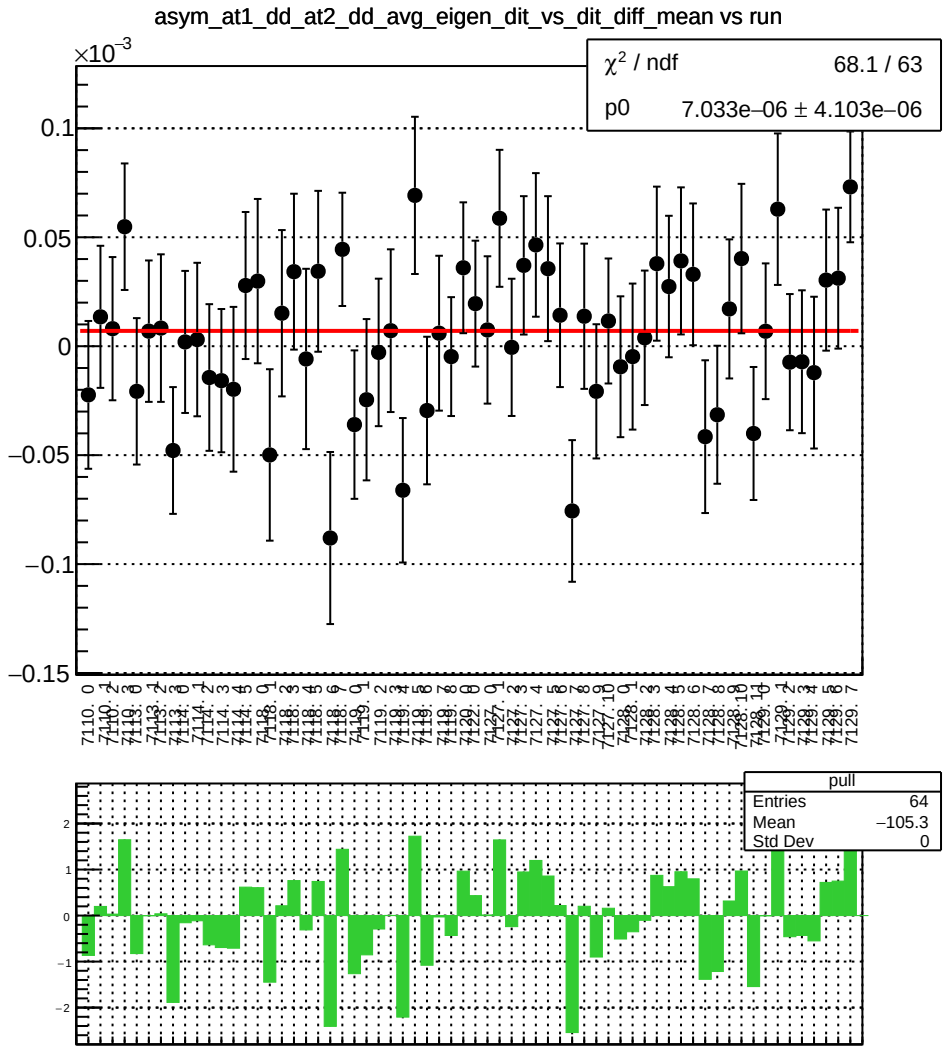

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.002e+06 / 63
p0 5.45e−12 ± 1.151e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

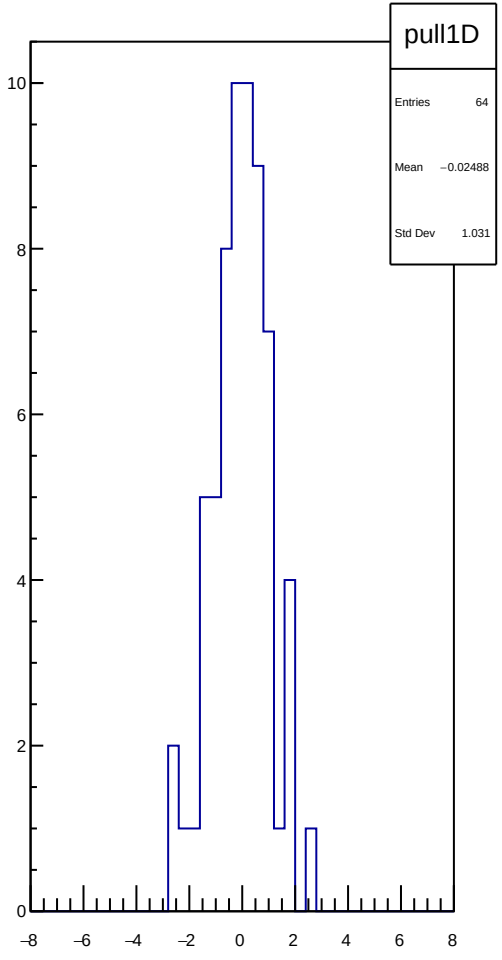

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01077 ± 0.03886
pull
Entries 64
Mean 74.58
Std Dev 0
pull1D
Entries 64
Mean 0.07298
Std Dev 1.021

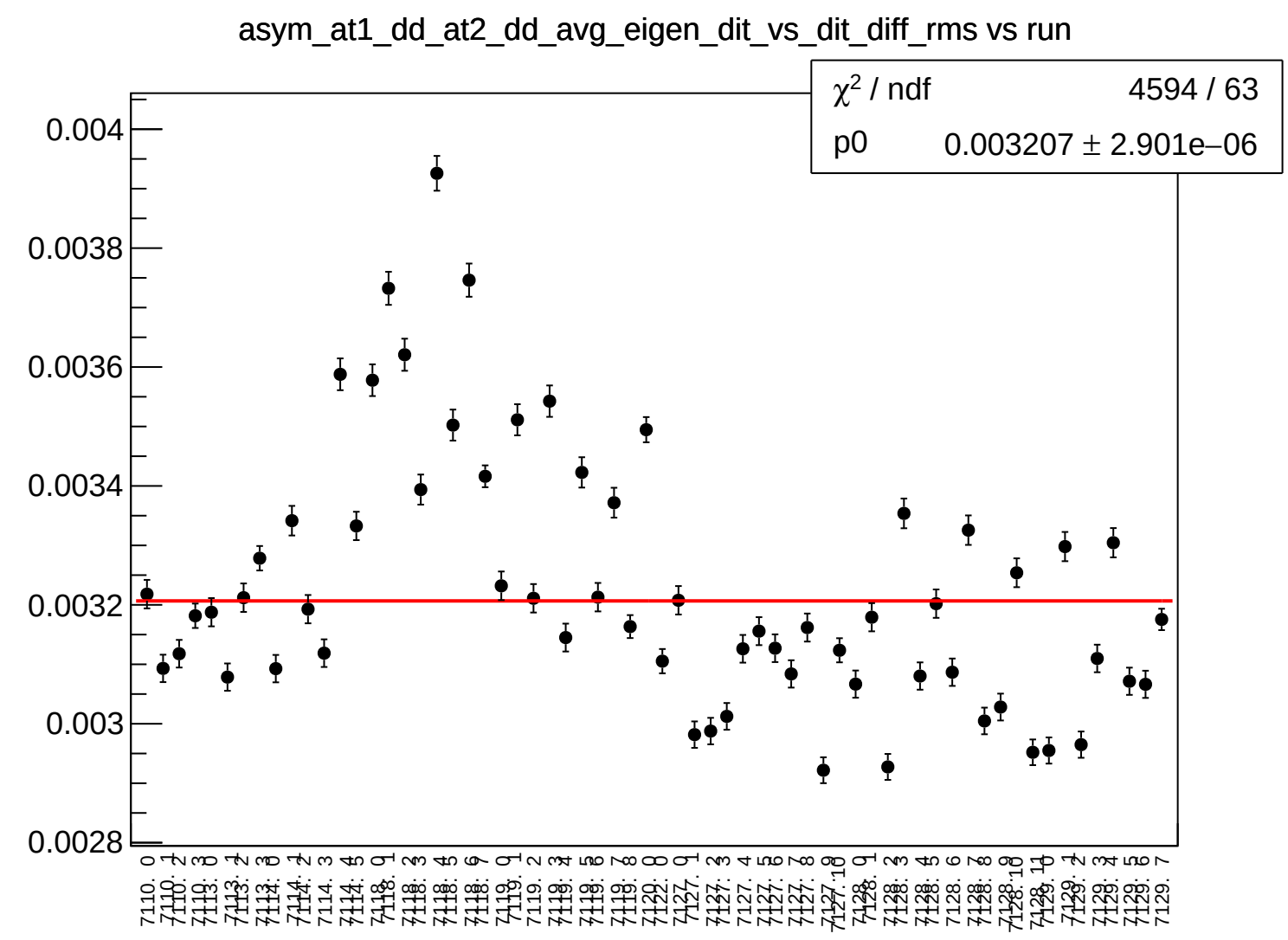

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

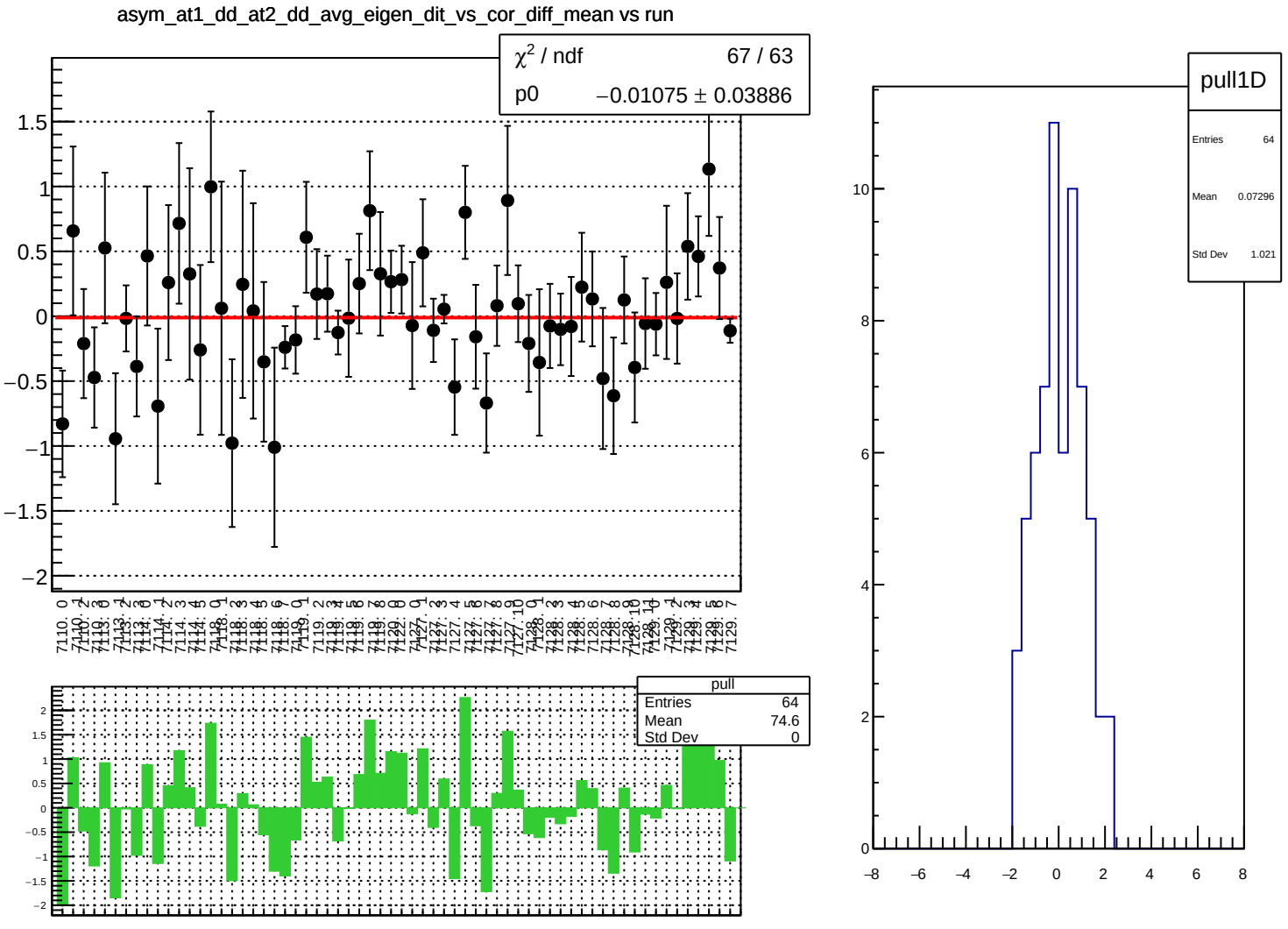

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01077 ± 0.03886
pull
Entries 64
Mean 74.58
Std Dev 0
pull1D
Entries 64
Mean 0.07298
Std Dev 1.021

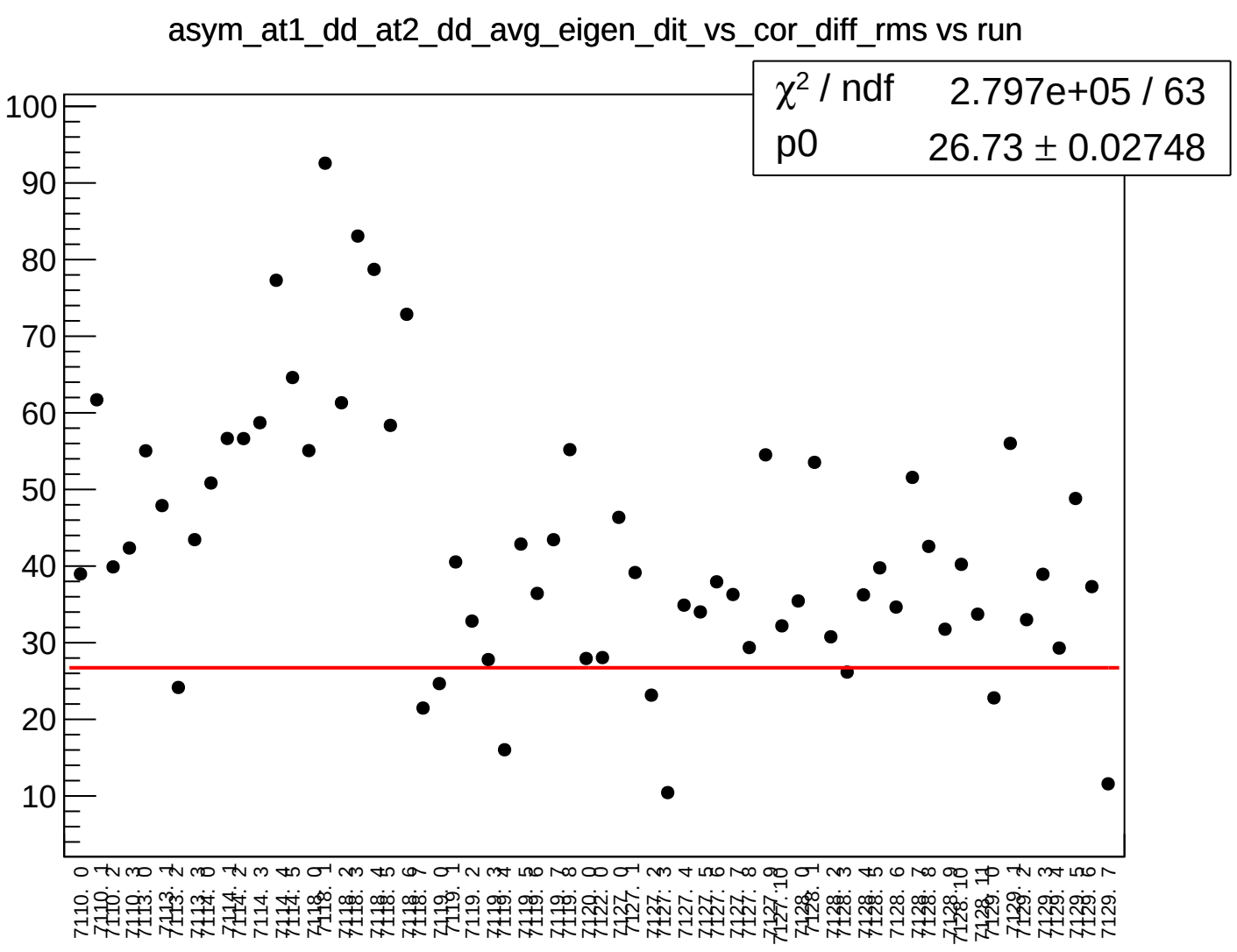

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

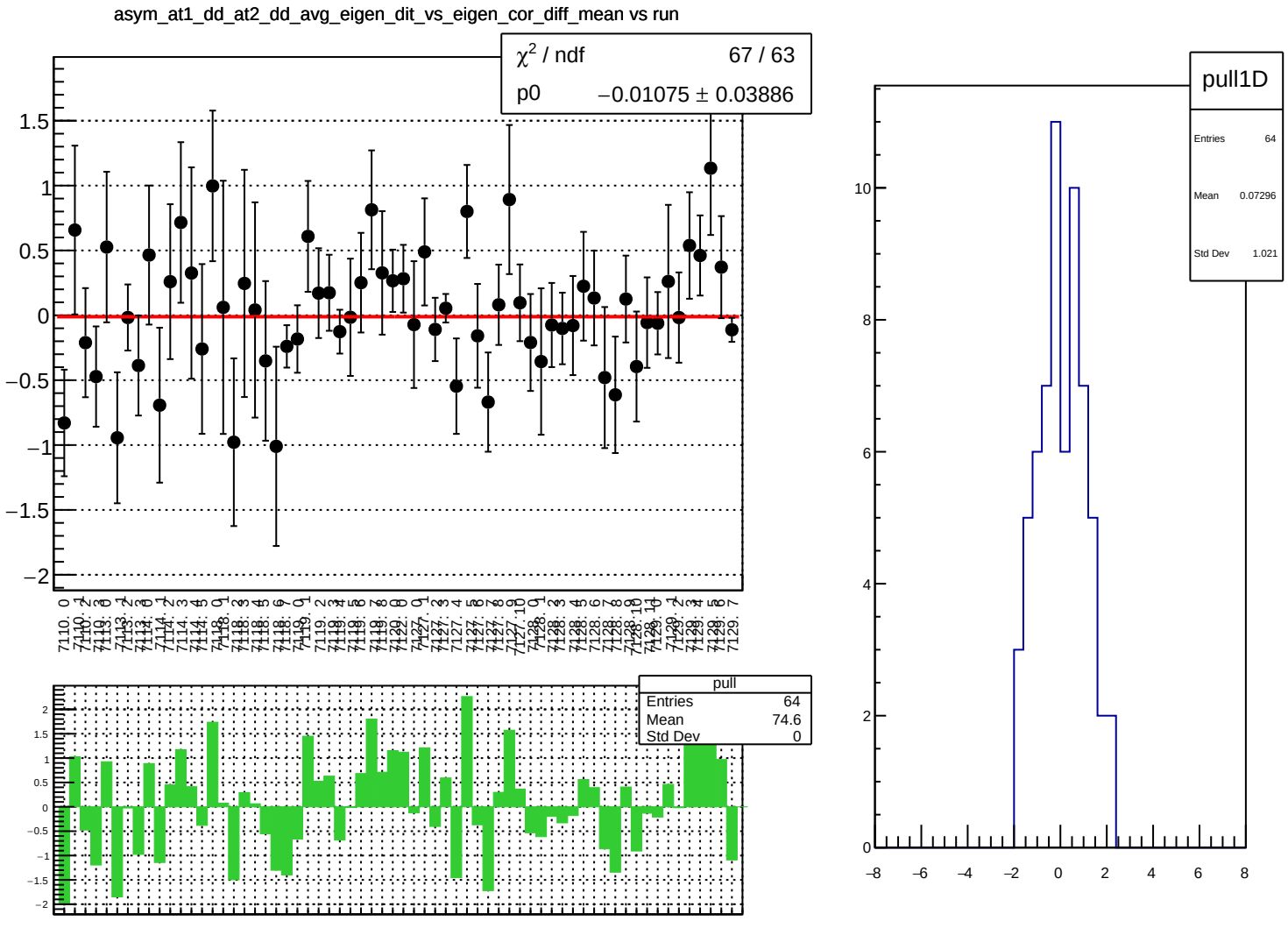

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.1 / 63
p0 7.033e−06 ± 4.103e−06
pull
Entries 64
Mean −105.3
Std Dev 0

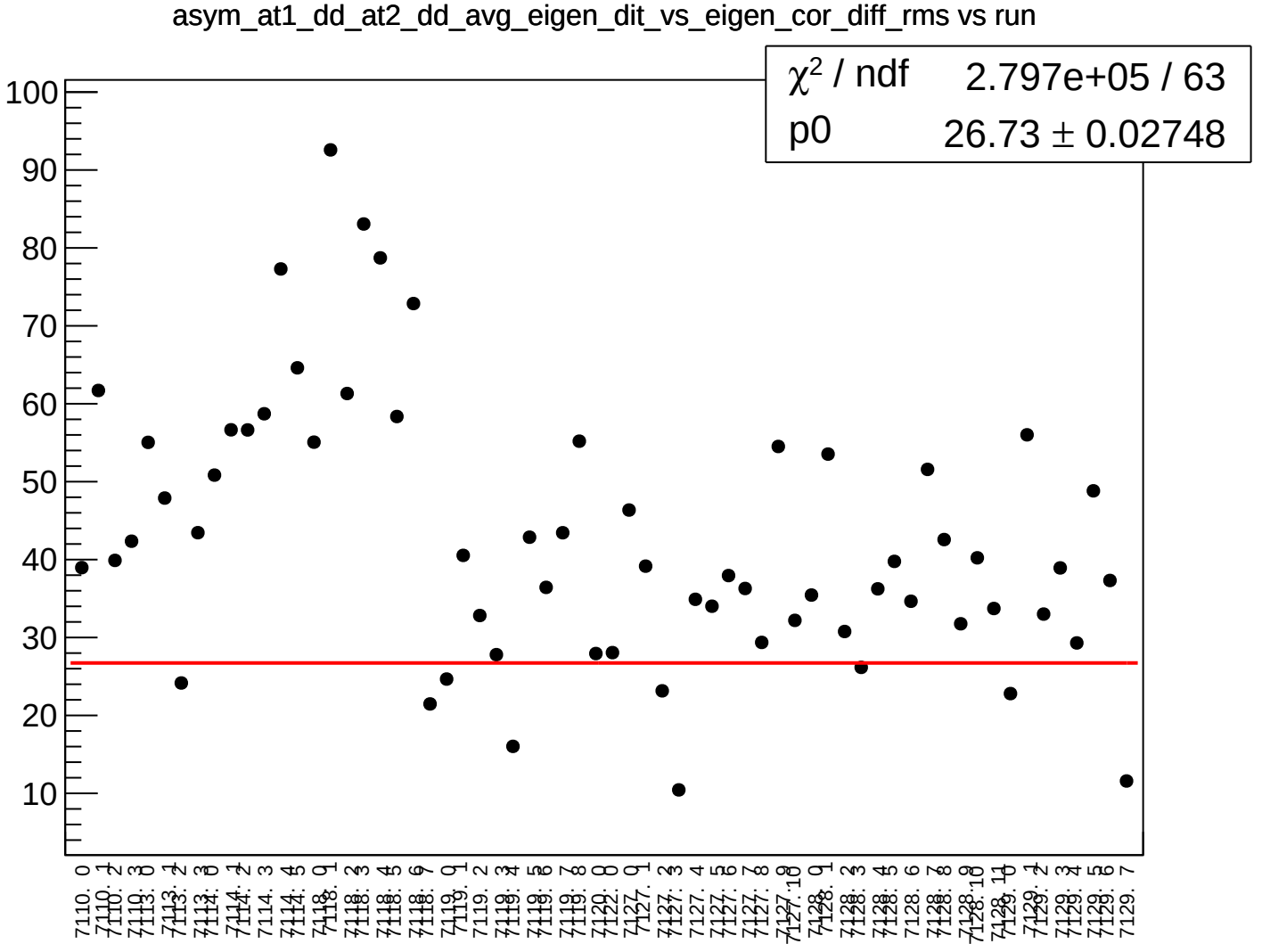

pull1D
Entries 64
Mean −0.02488
Std Dev 1.031

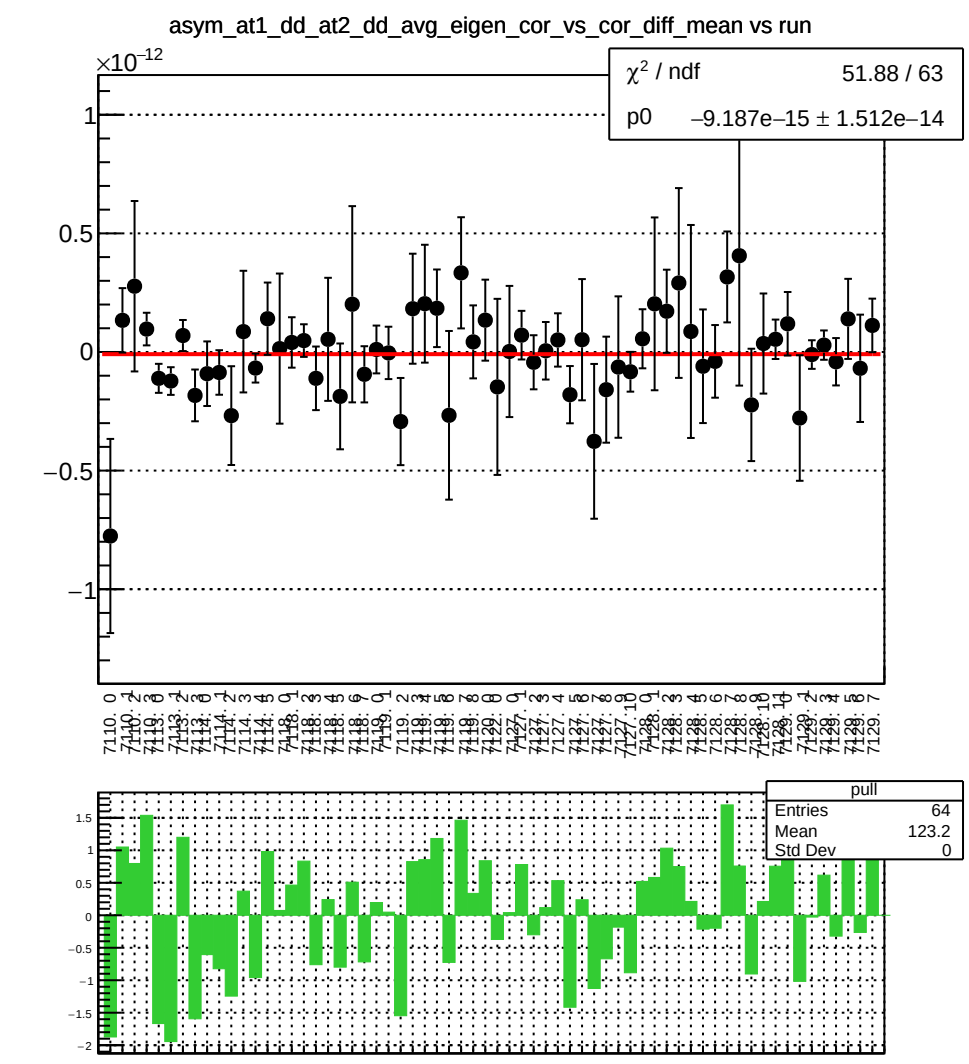

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4594 / 63
p0 0.003207 ± 2.901e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

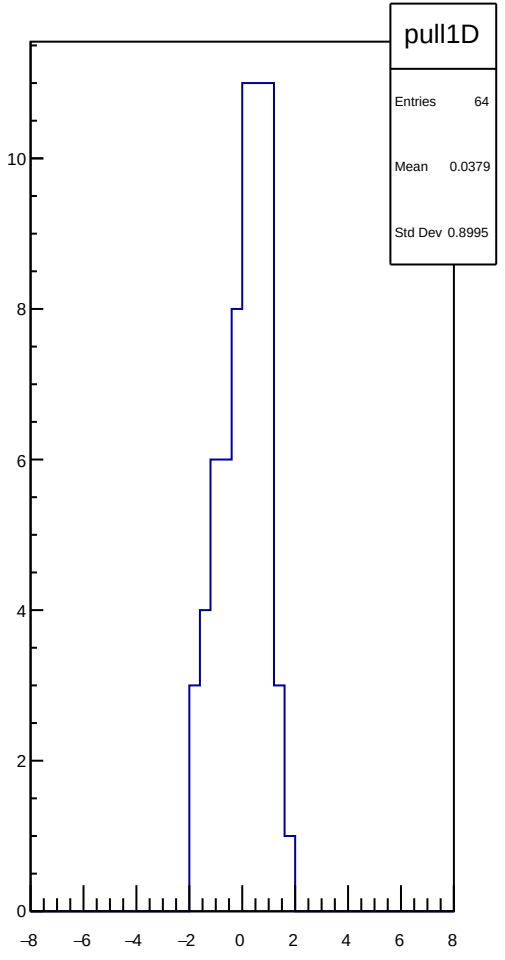

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01075 ± 0.03886
pull
Entries 64
Mean 74.6
Std Dev 0
pull1D
Entries 64
Mean 0.07296
Std Dev 1.021

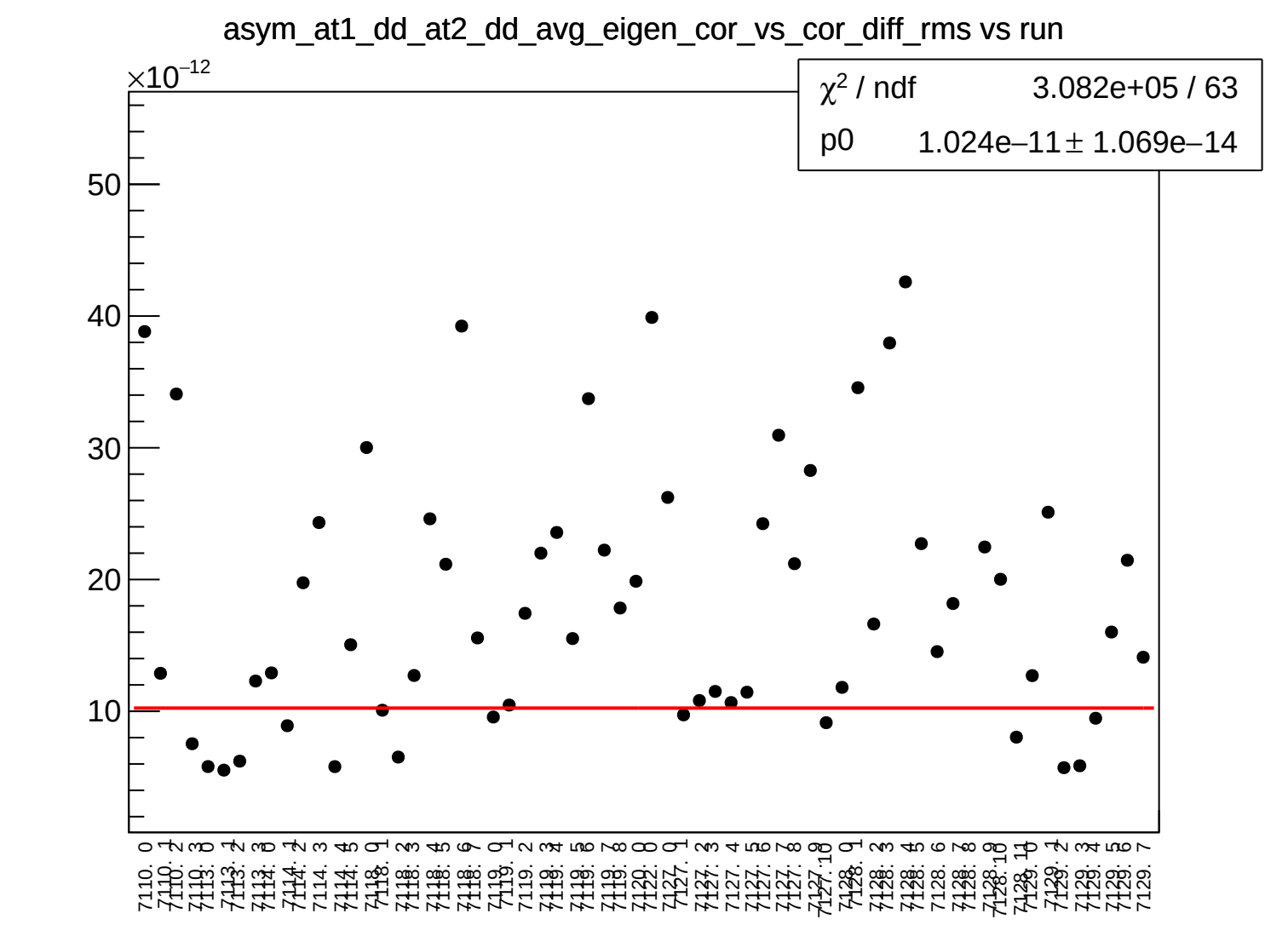

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

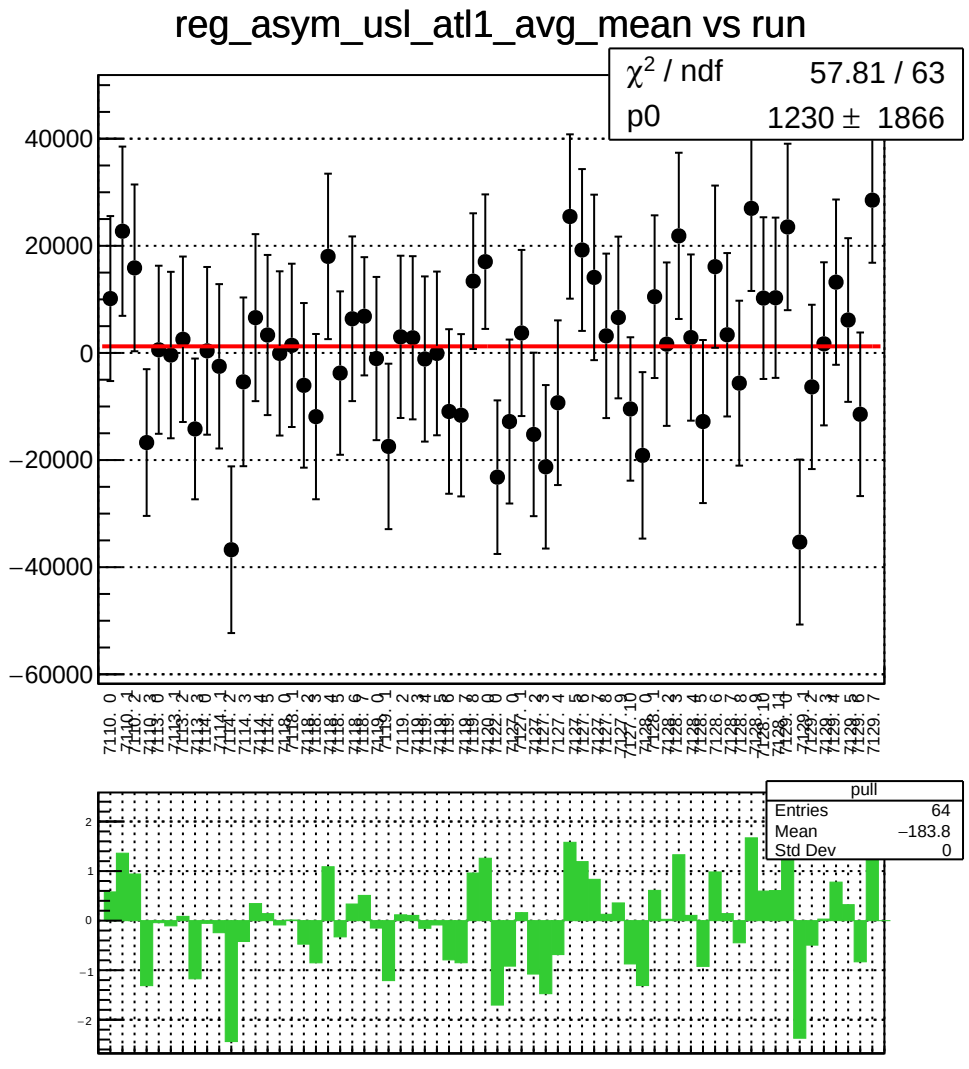

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67 / 63
p0 −0.01075 ± 0.03886
pull
Entries 64
Mean 74.6
Std Dev 0
pull1D
Entries 64
Mean 0.07296
Std Dev 1.021

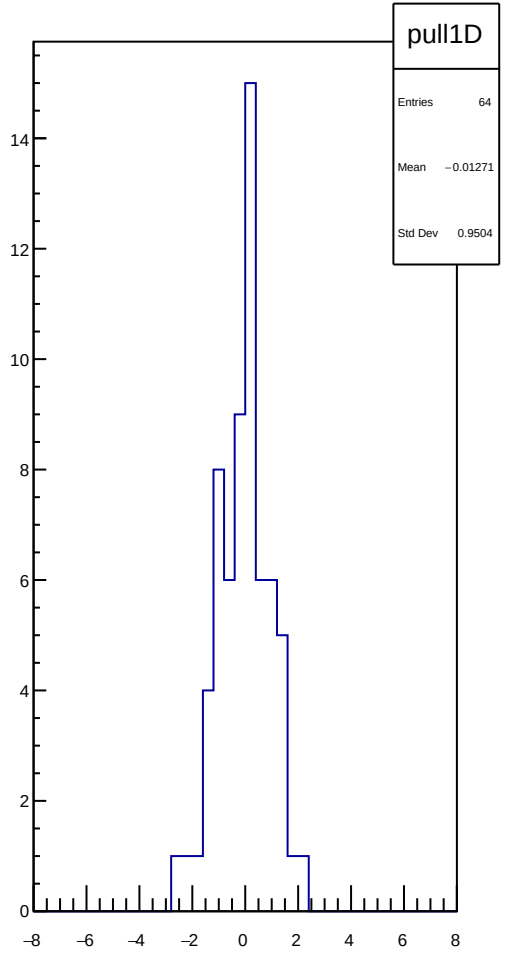

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.797e+05 / 63
p0 26.73 ± 0.02748
100
90
80
70
60
50
40
30
20
10

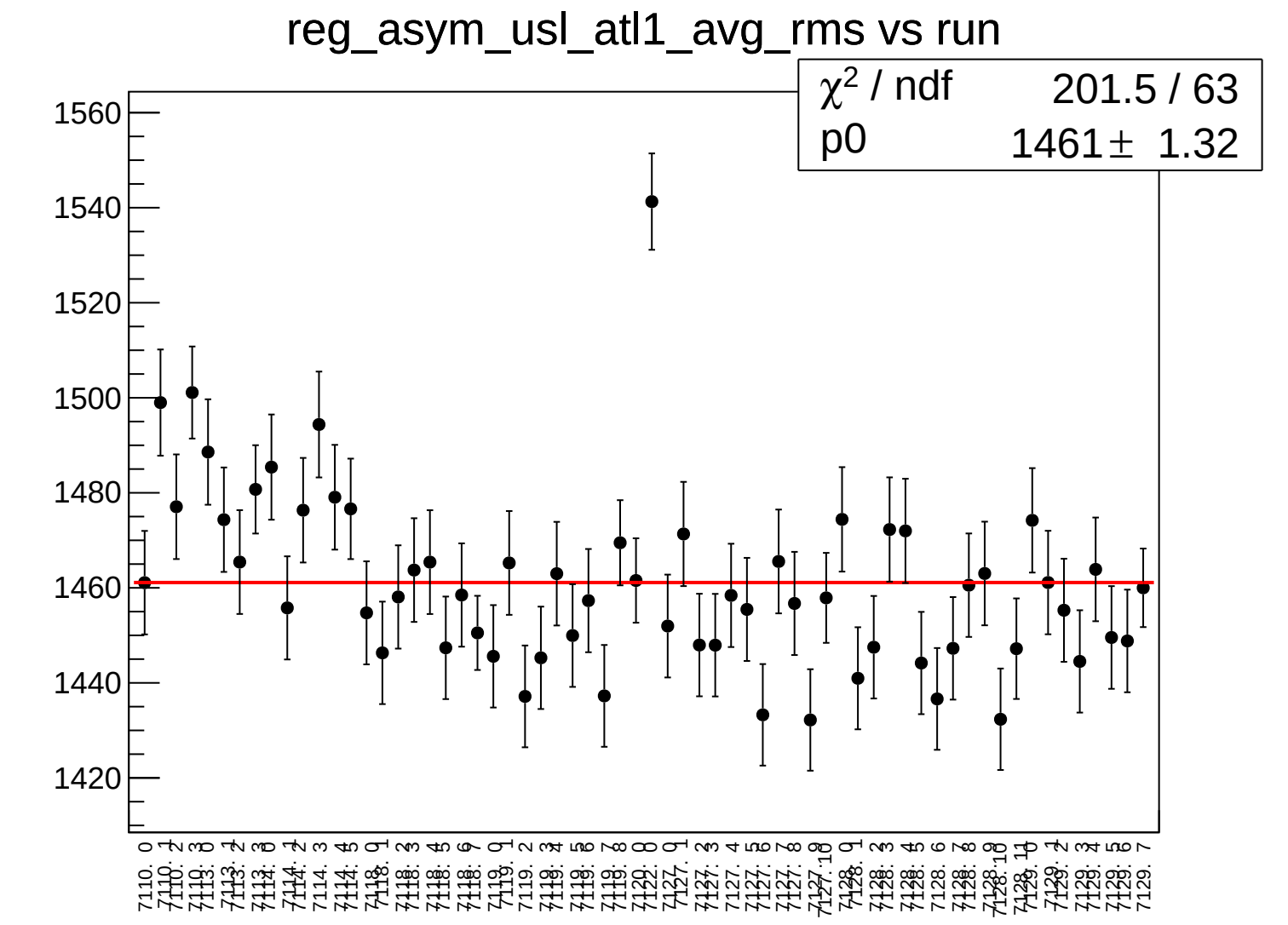

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.88 / 63
p0 −9.187e−15 ± 1.512e−14
pull
Entries 64
Mean 123.2
Std Dev 0

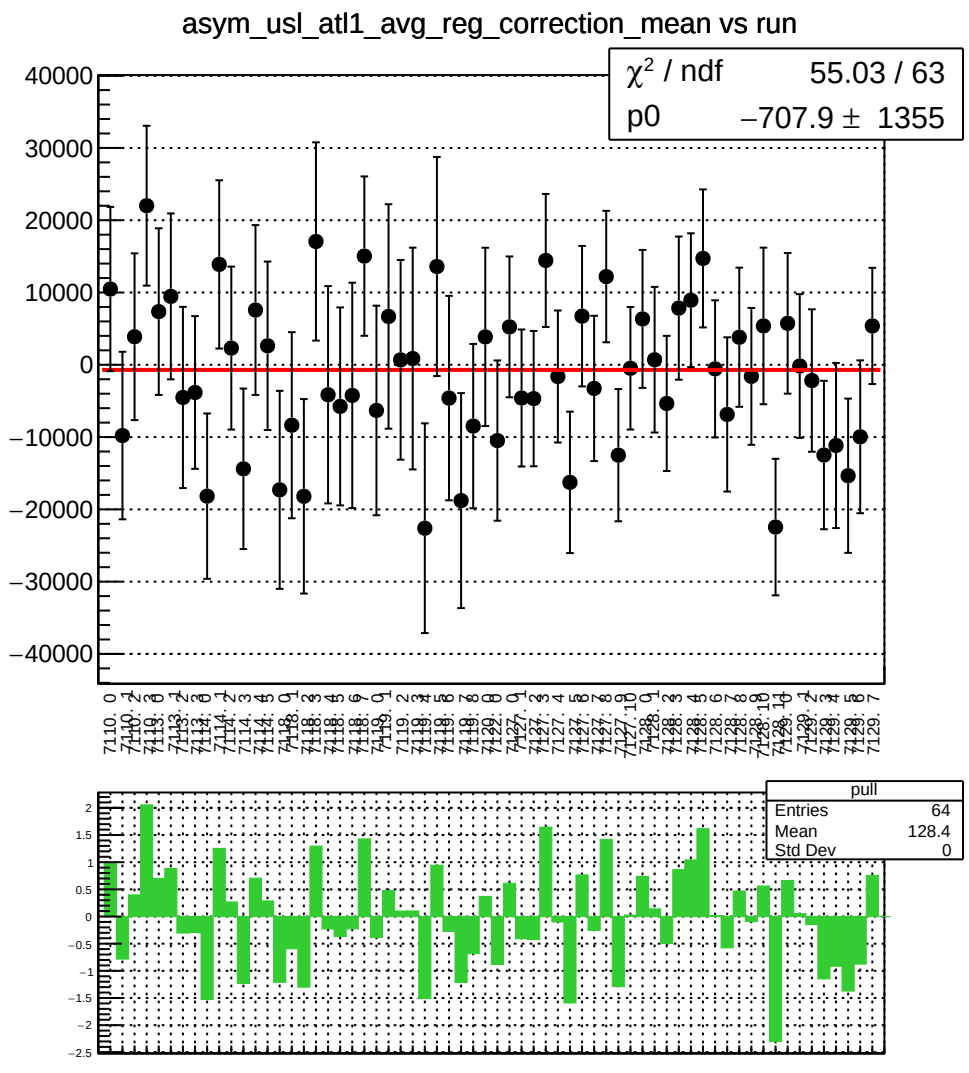

pull1D
Entries 64
Mean 0.0379
Std Dev 0.8995

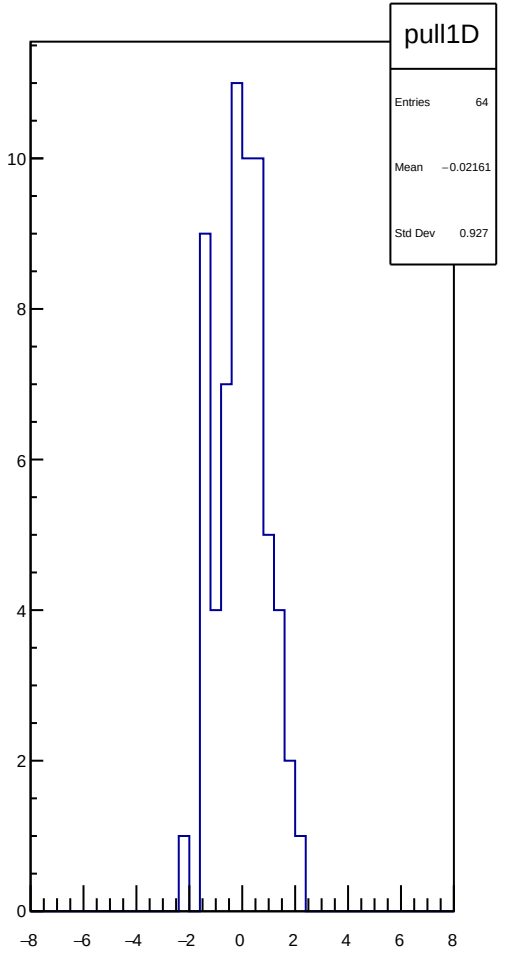

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.082e+05 / 63
p0 1.024e−11 ± 1.069e−14
50
40
30
20
10

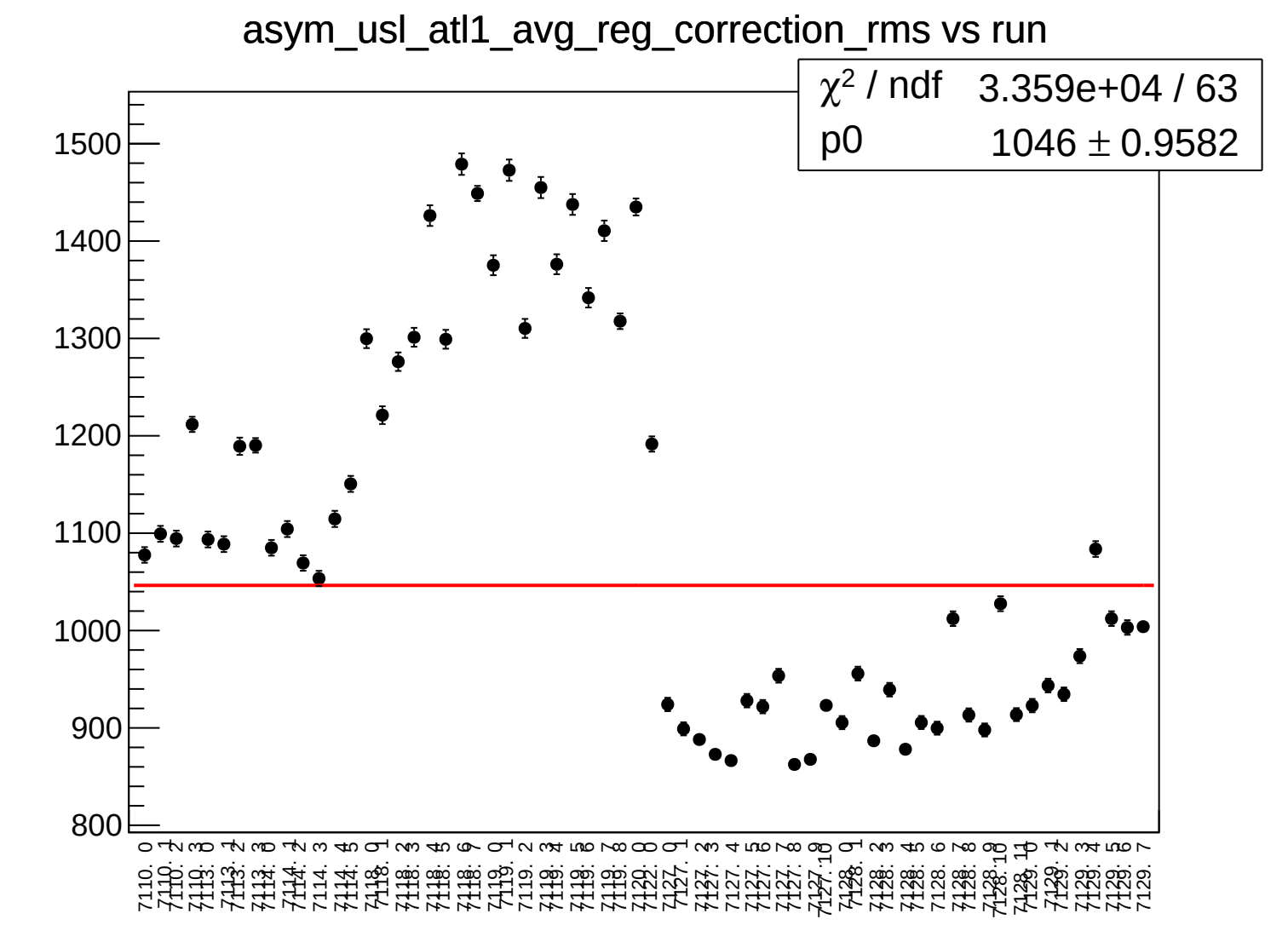

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 57.81 / 63
p0 1230 ± 1866
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −183.8
Std Dev 0
2
1
0
−1
−2

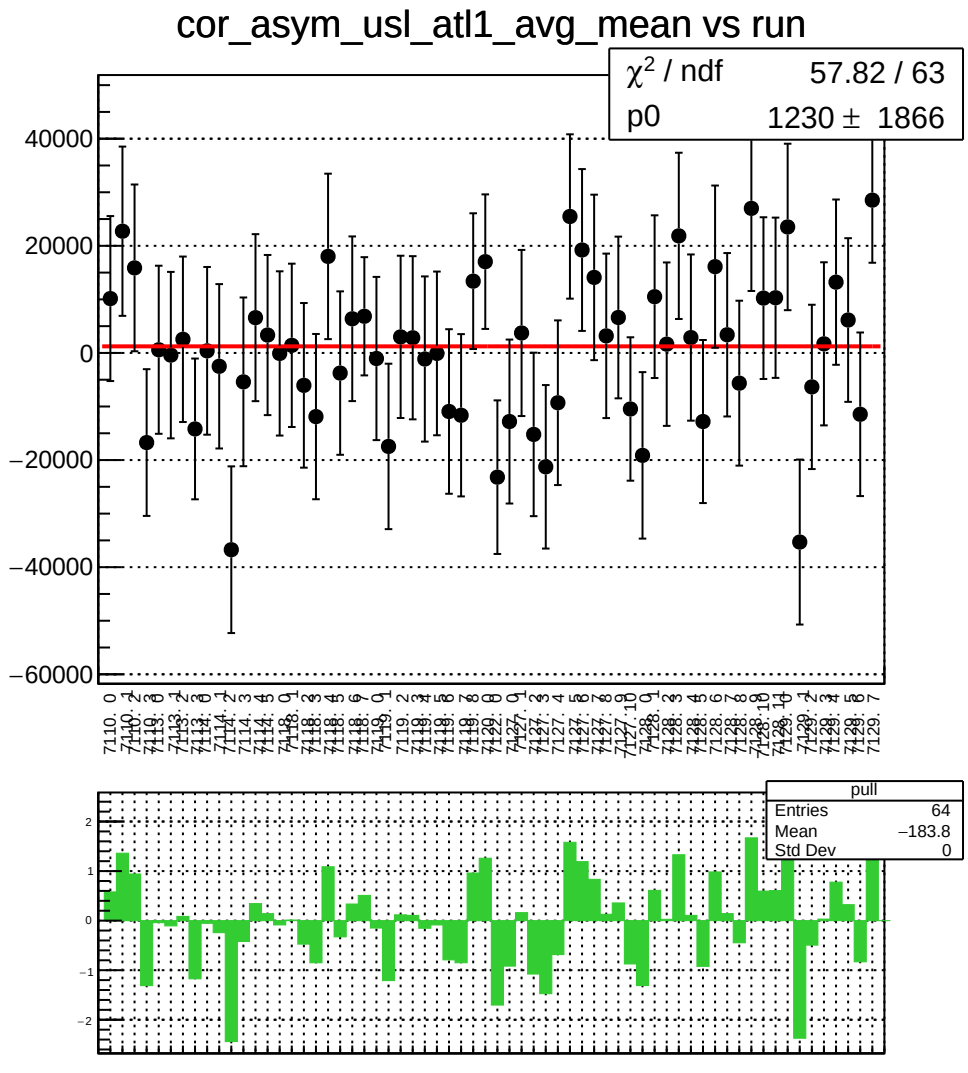

pull1D
Entries 64
Mean −0.01271
Std Dev 0.9504
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

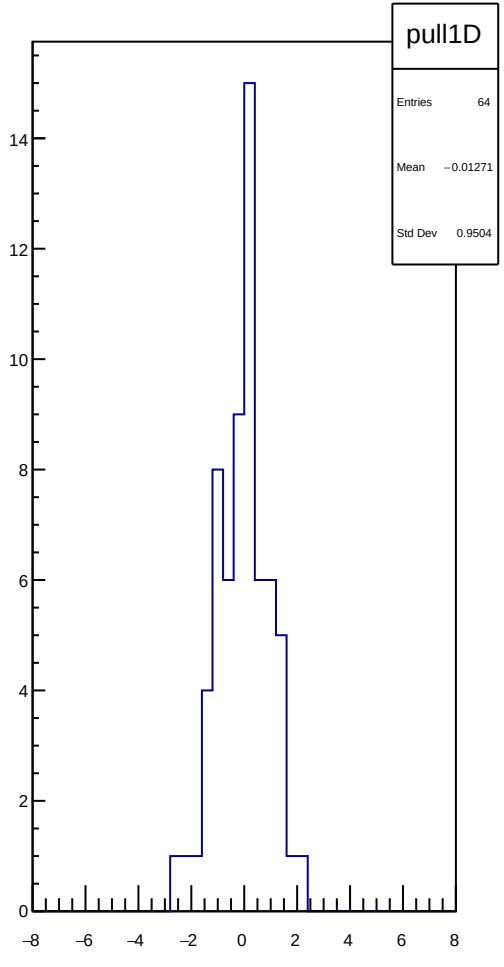

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 201.5 / 63
p0 1461 ± 1.32
1560
1540
1520
1500
1480
1460
1440
1420

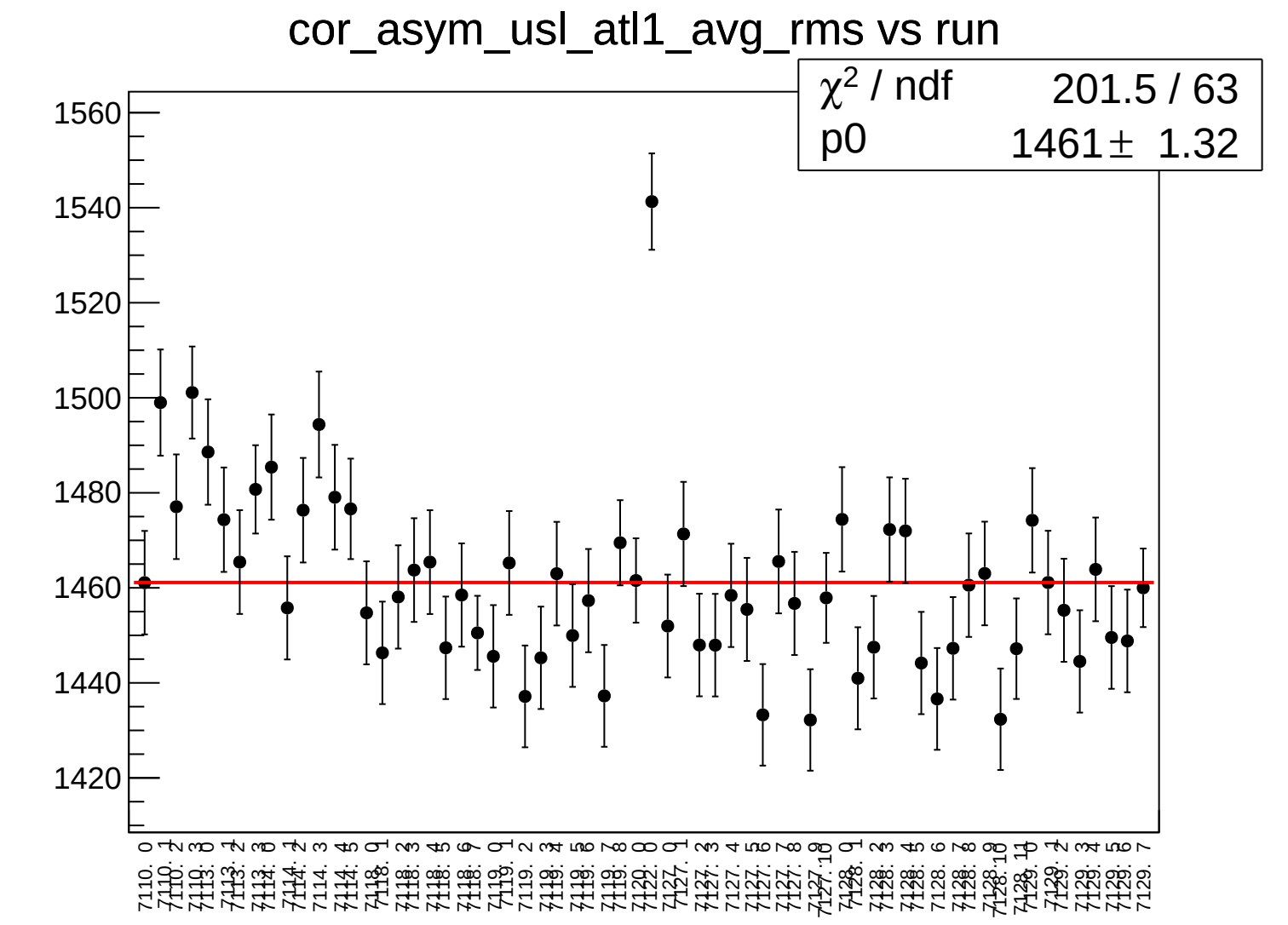

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 55.03 / 63
p0 −707.9 ± 1355
pull
Entries 64
Mean 128.4
Std Dev 0

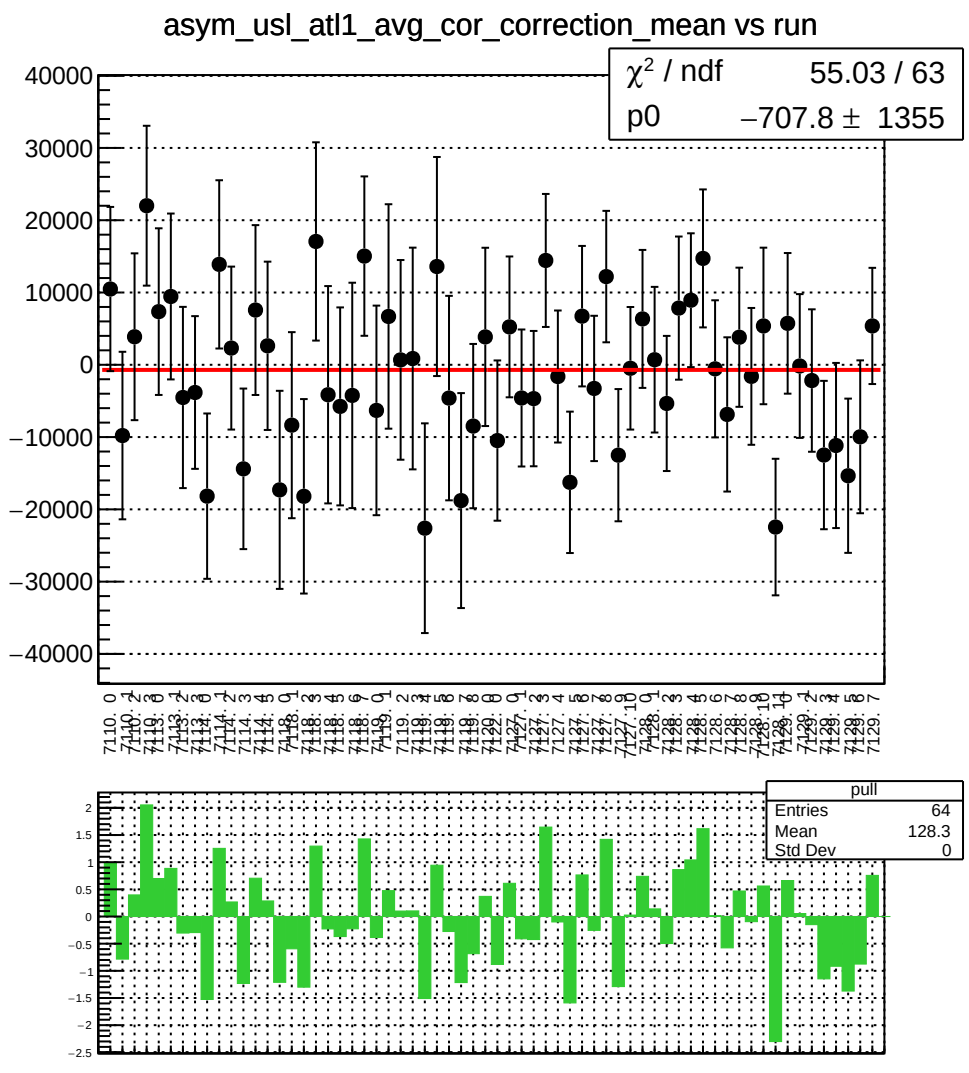

pull1D
Entries 64
Mean −0.02161
Std Dev 0.927

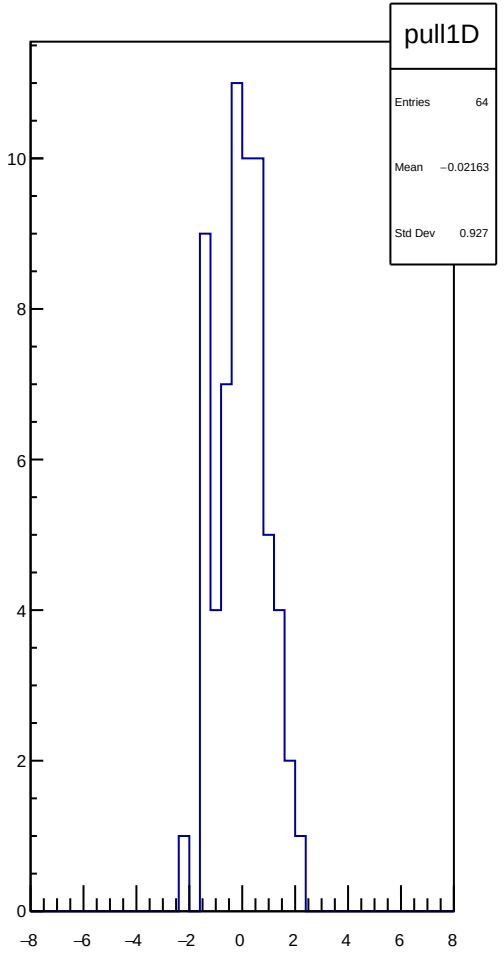

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 3.359e+04 / 63
p0 1046 ± 0.9582
1500
1400
1300
1200
1100
1000
900
800

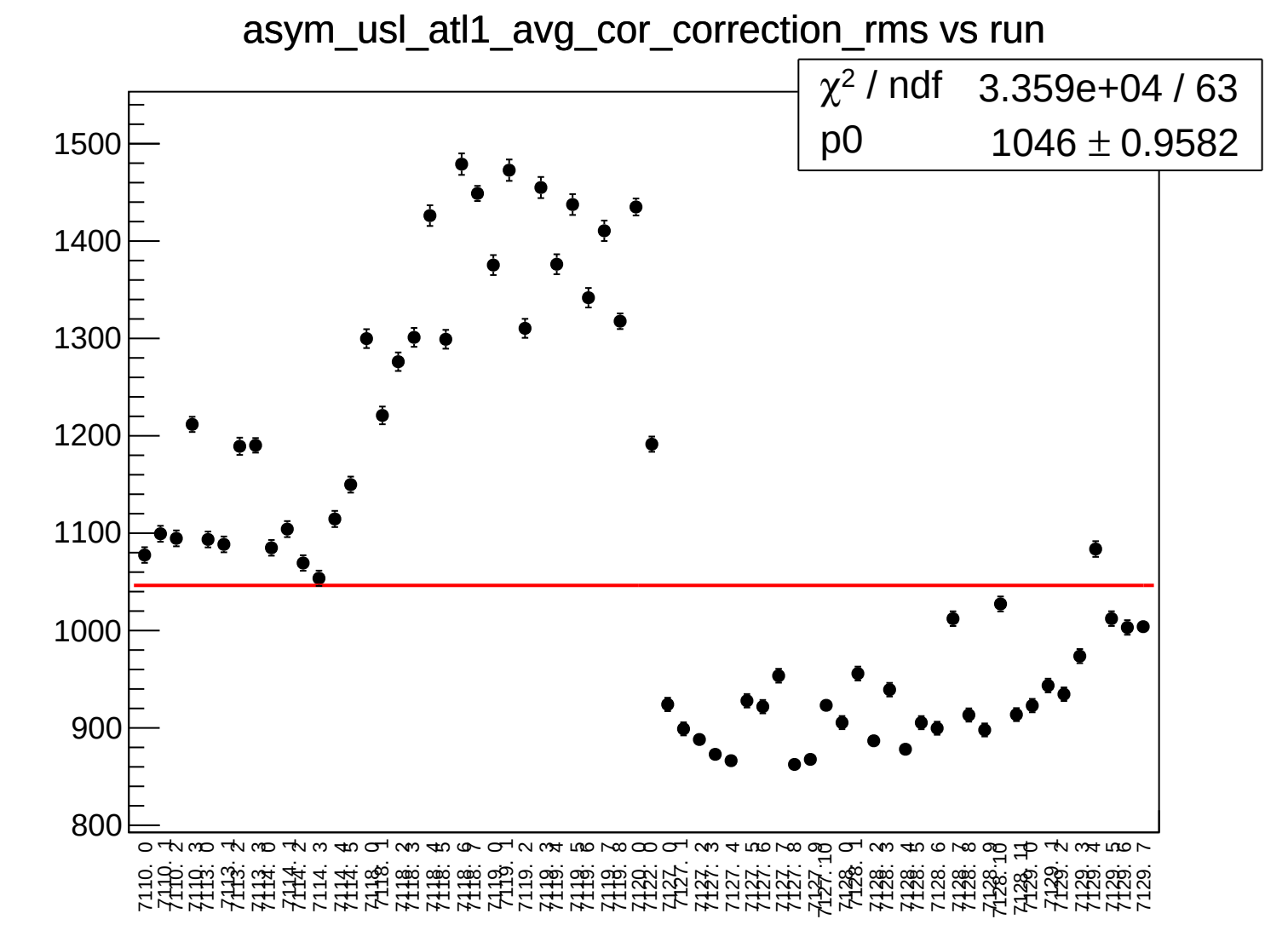

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 57.82 / 63
p0 1230 ± 1866
pull
Entries 64
Mean −183.8
Std Dev 0

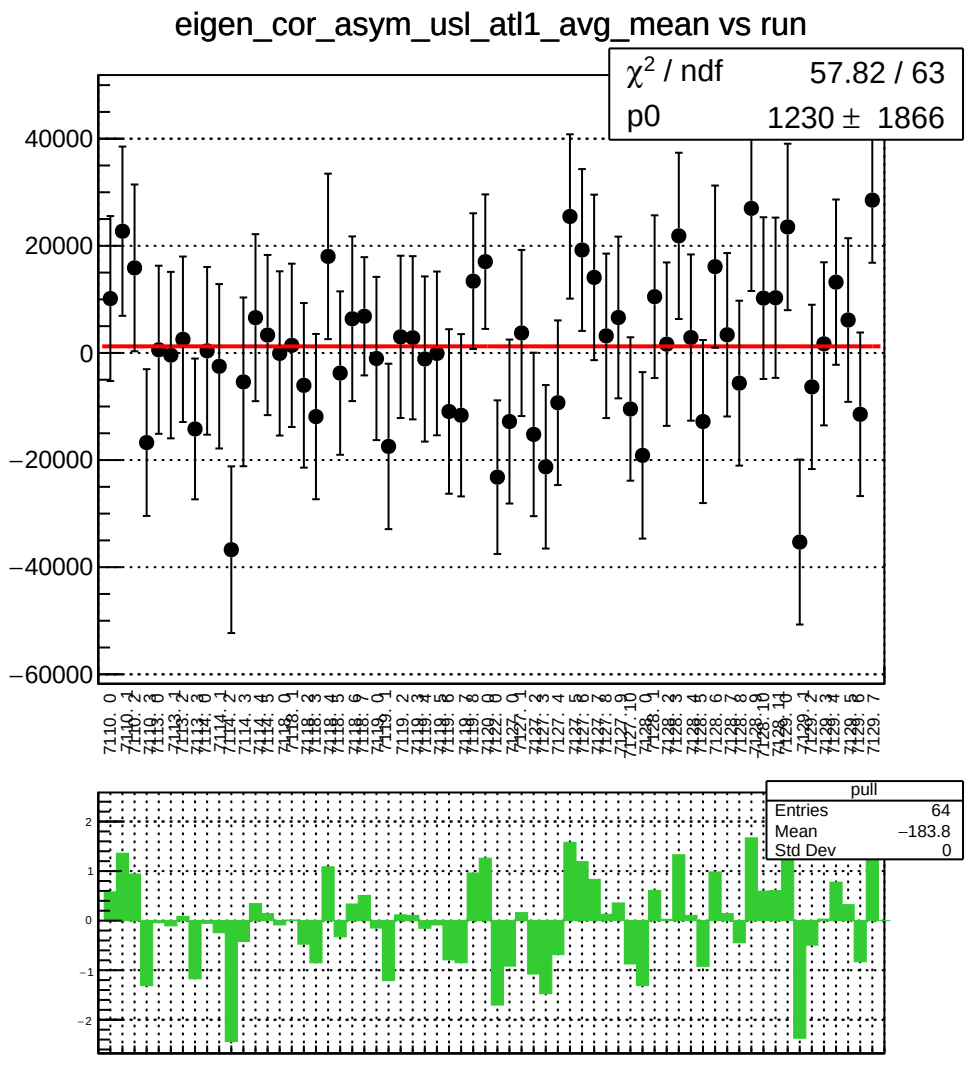

pull1D
Entries 64
Mean −0.01271
Std Dev 0.9504

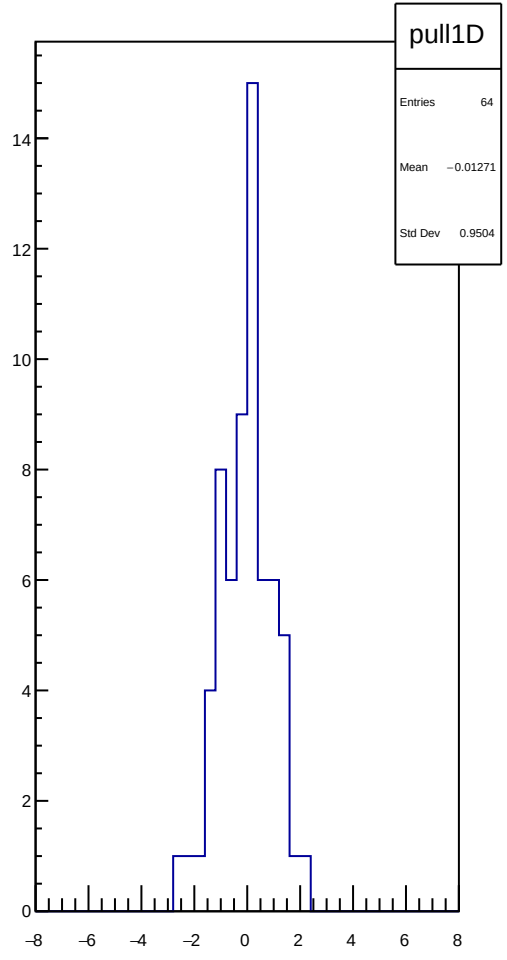

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 201.5 / 63
p0 1461 ± 1.32
1560
1540
1520
1500
1480
1460
1440
1420

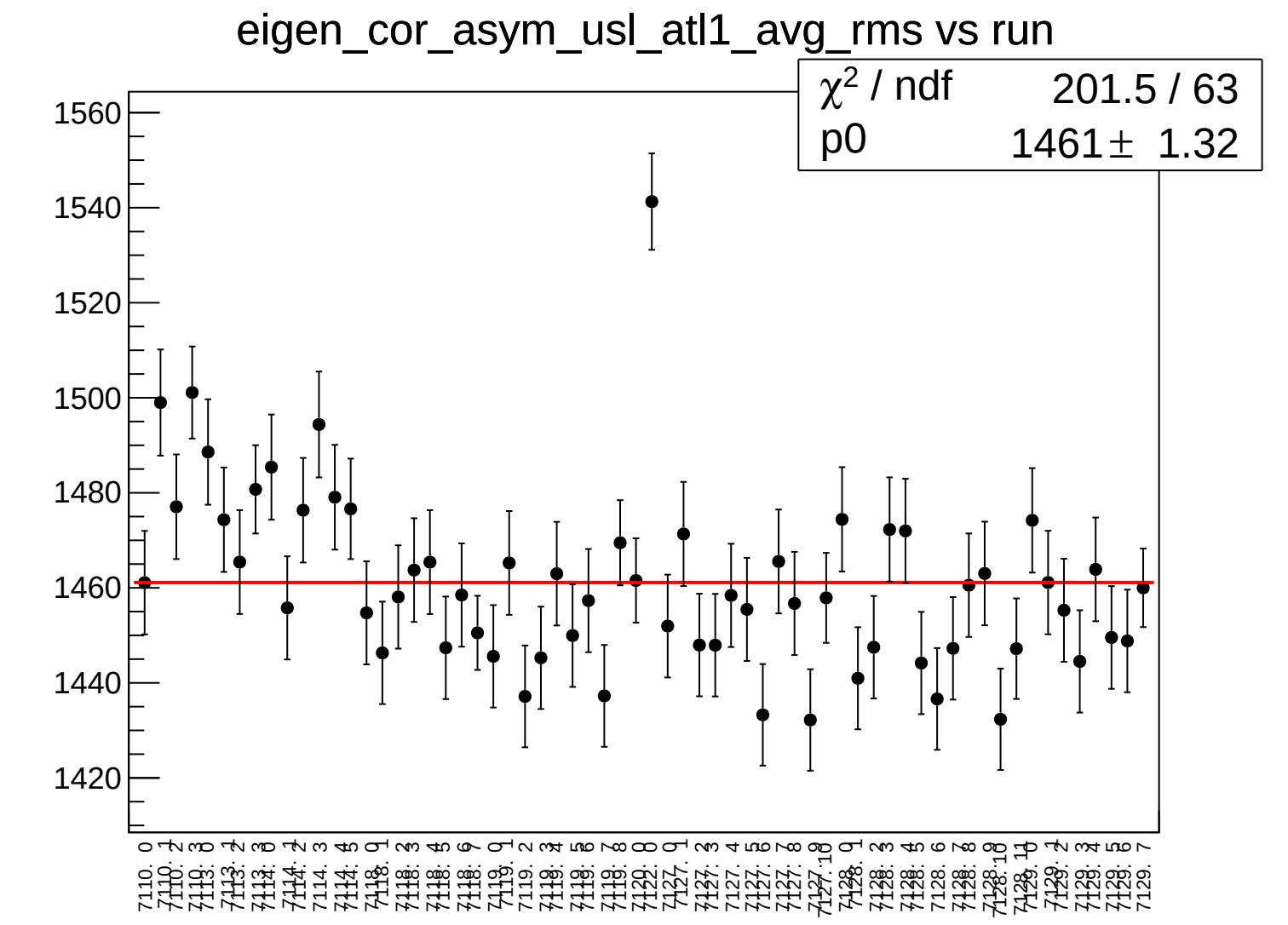

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 55.03 / 63
p0 −707.8 ± 1355
pull
Entries 64
Mean 128.3
Std Dev 0

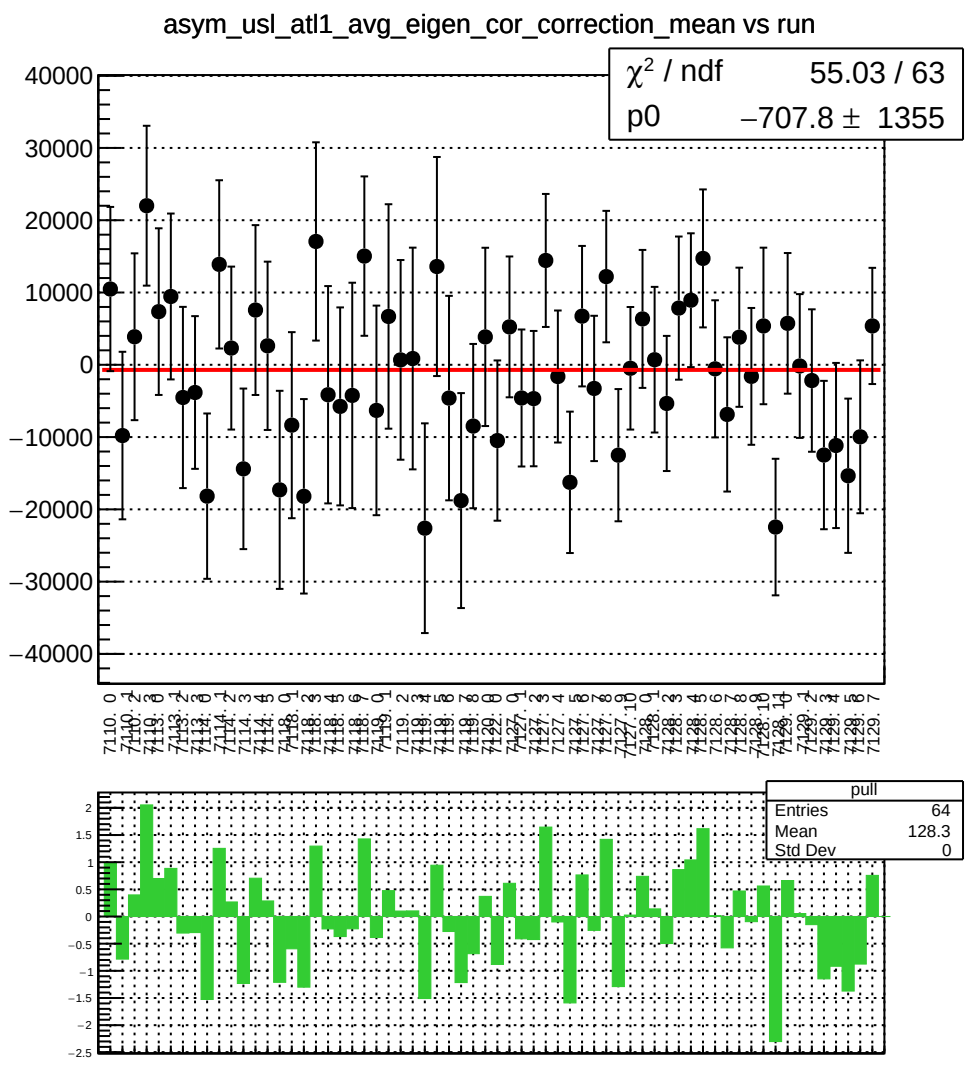

pull1D
Entries 64
Mean −0.02163
Std Dev 0.927

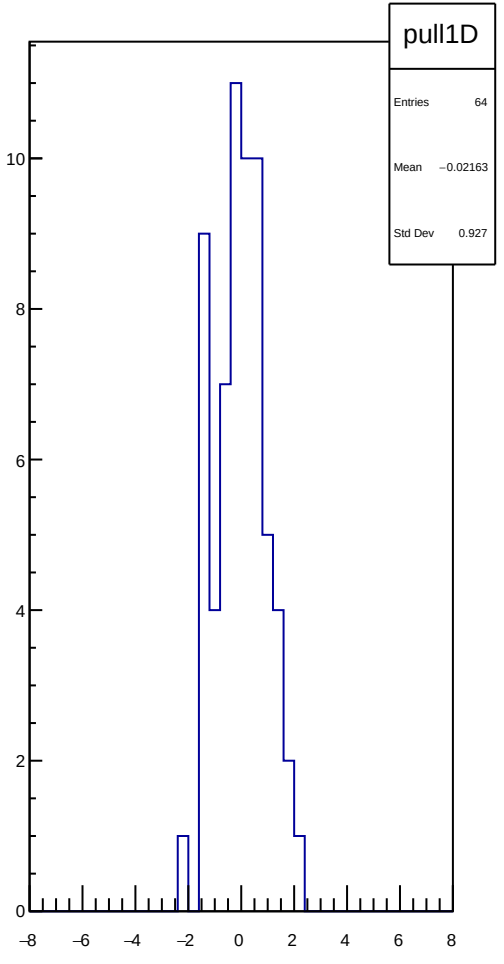

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 3.359e+04 / 63
p0 1046 ± 0.9582
1500
1400
1300
1200
1100
1000
900
800

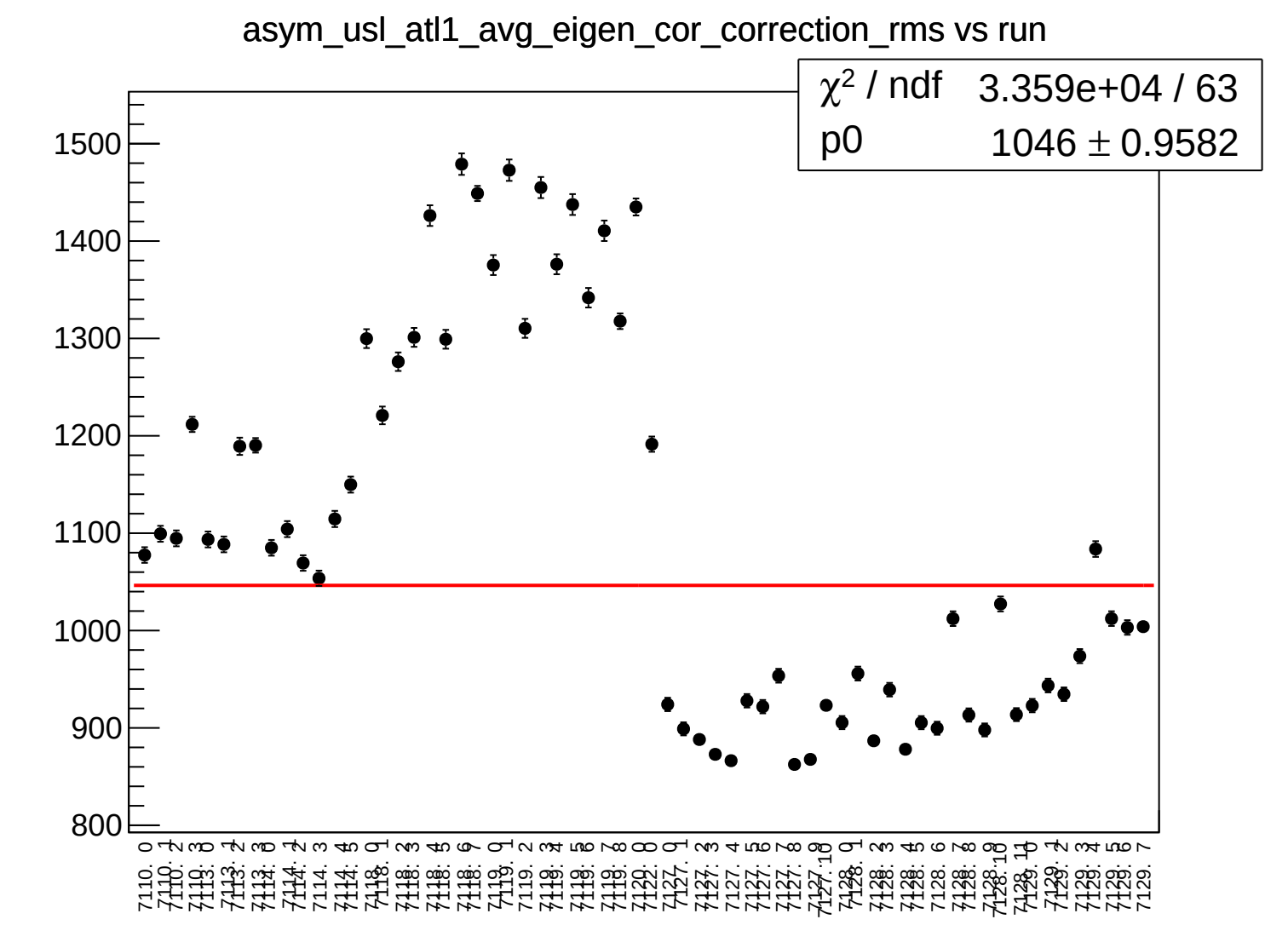

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 57.82 / 63
p0 1230 ± 1866
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −183.8
Std Dev 0
2
1
0
−1
−2

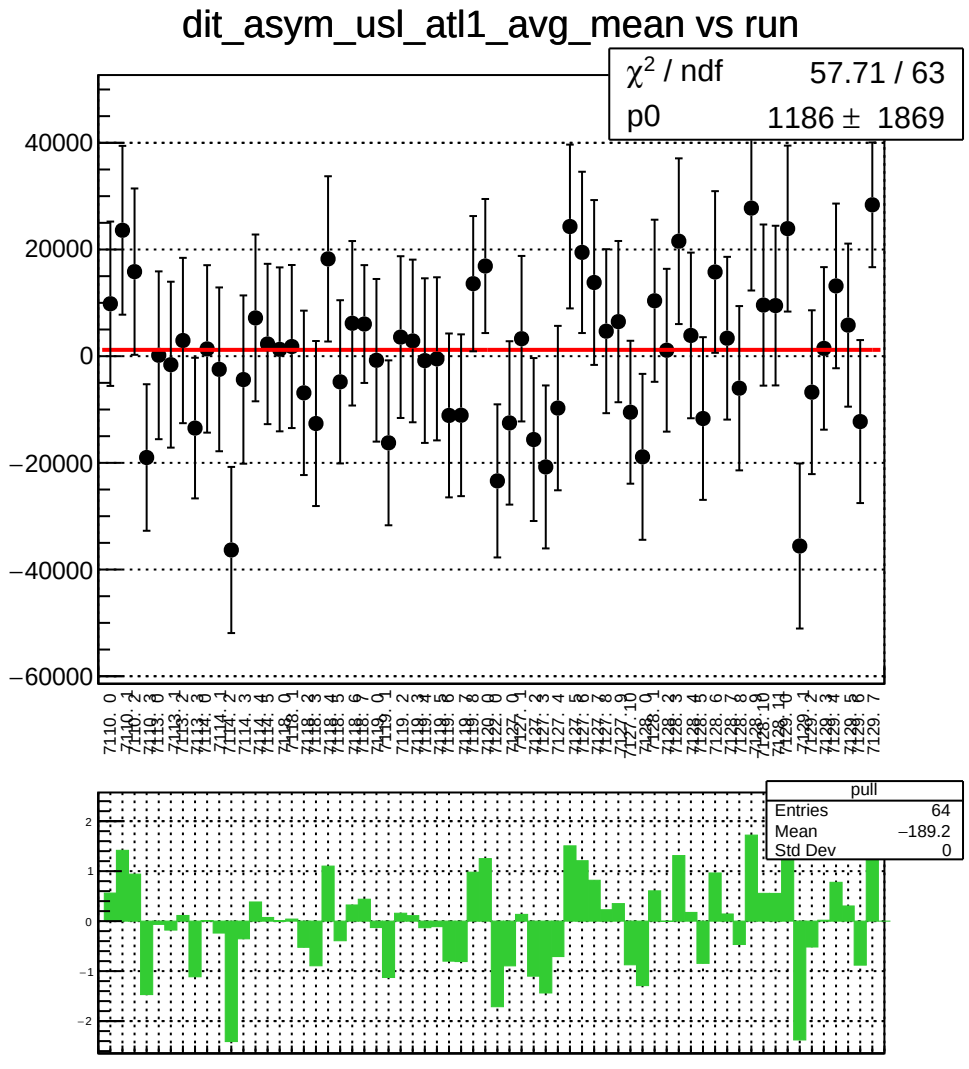

pull1D
Entries 64
Mean −0.01271
Std Dev 0.9504
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

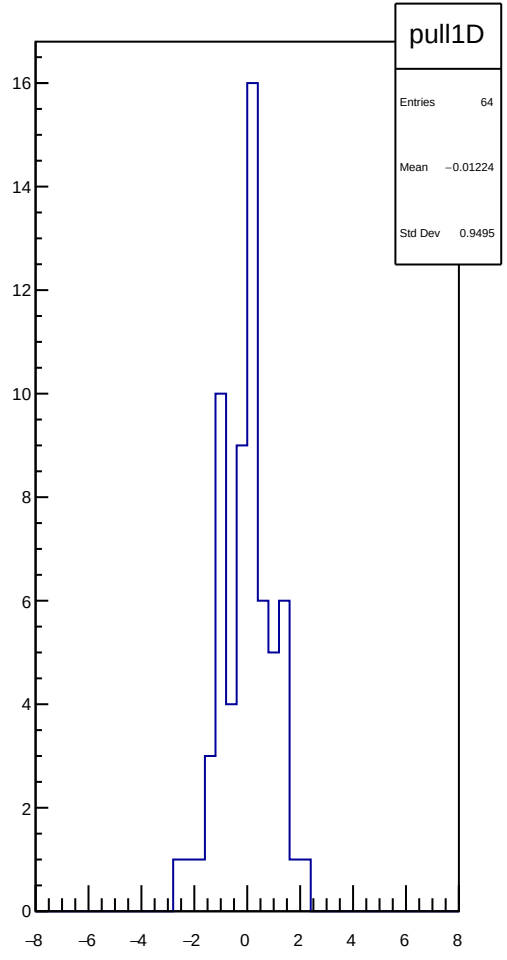

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 201.5 / 63
p0 1461 ± 1.32
1560
1540
1520
1500
1480
1460
1440
1420
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

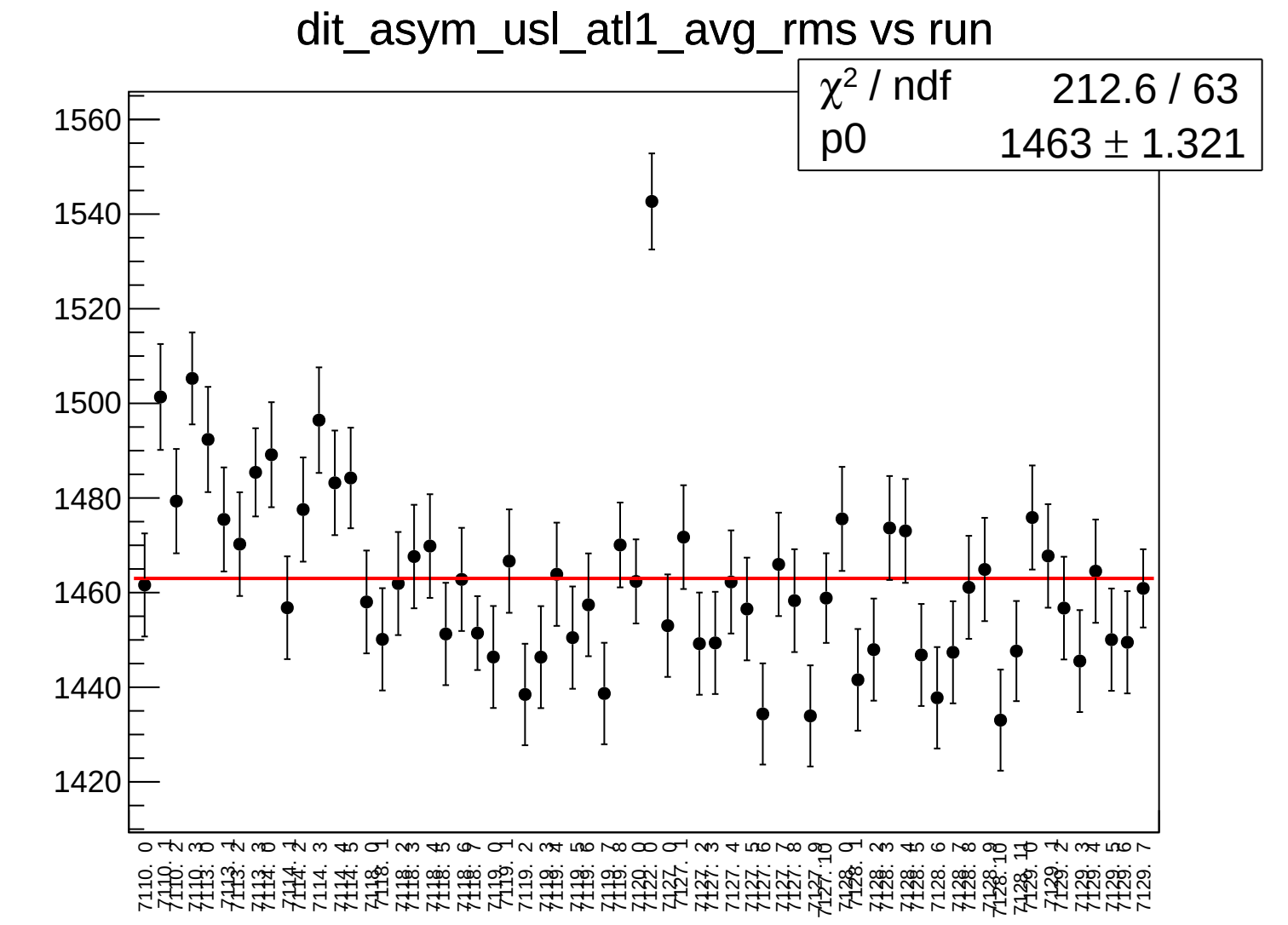

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.03 / 63
p0 −707.8 ± 1355
pull
Entries 64
Mean 128.3
Std Dev 0

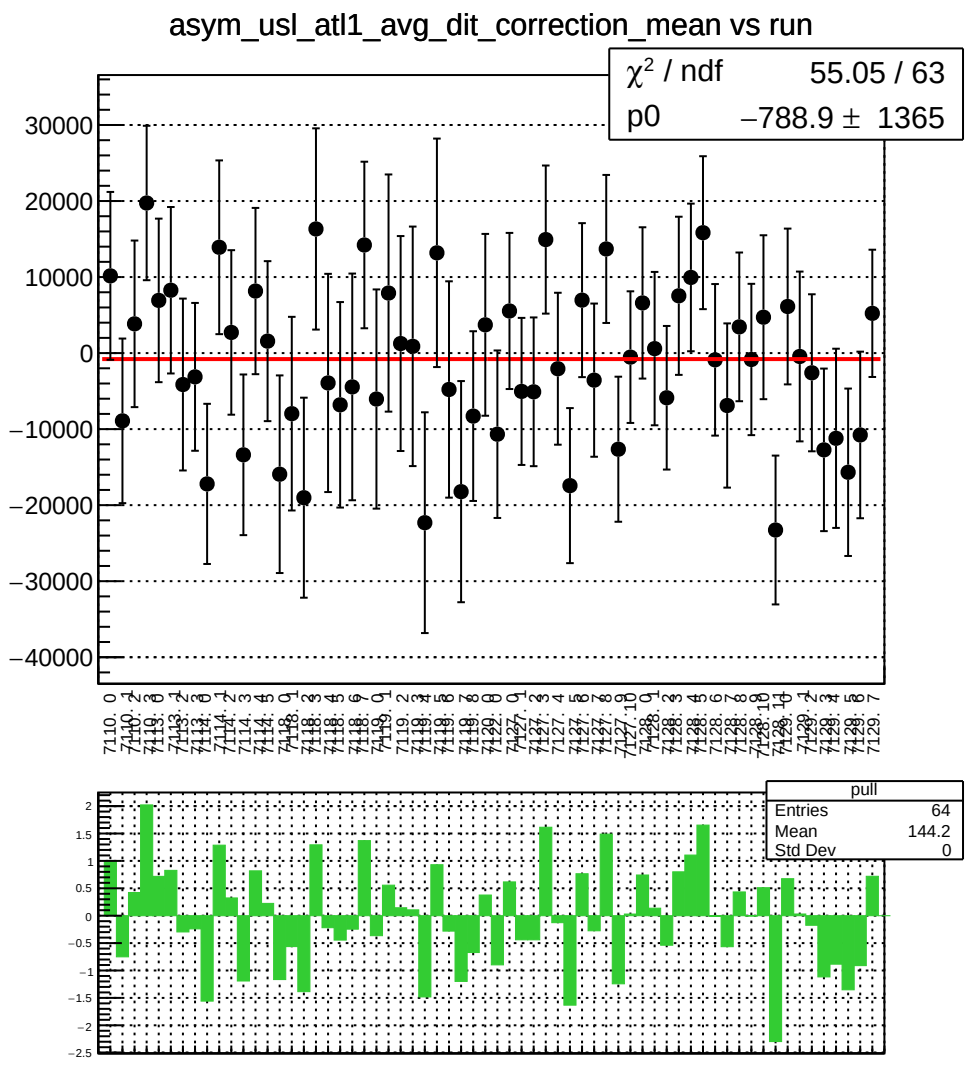

pull1D
Entries 64
Mean −0.02163
Std Dev 0.927

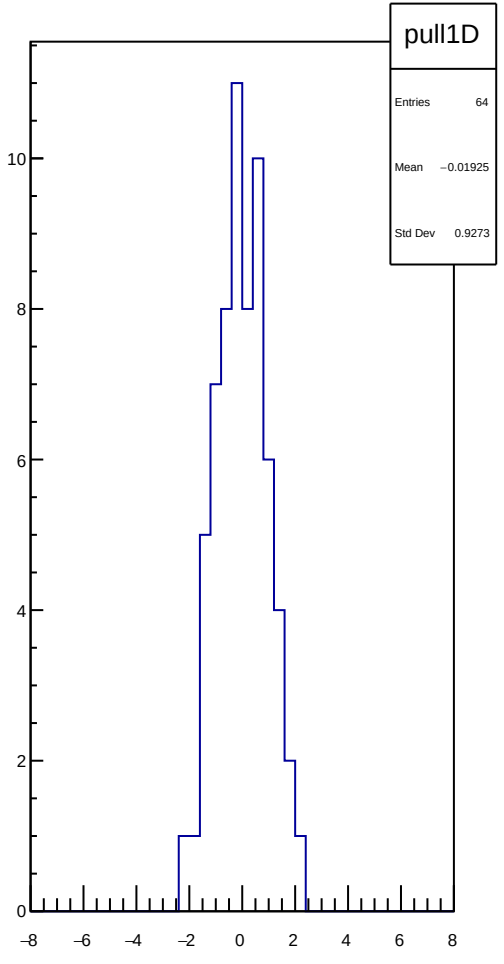

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.359e+04 / 63
p0 1046 ± 0.9582
1500
1400
1300
1200
1100
1000
900
800

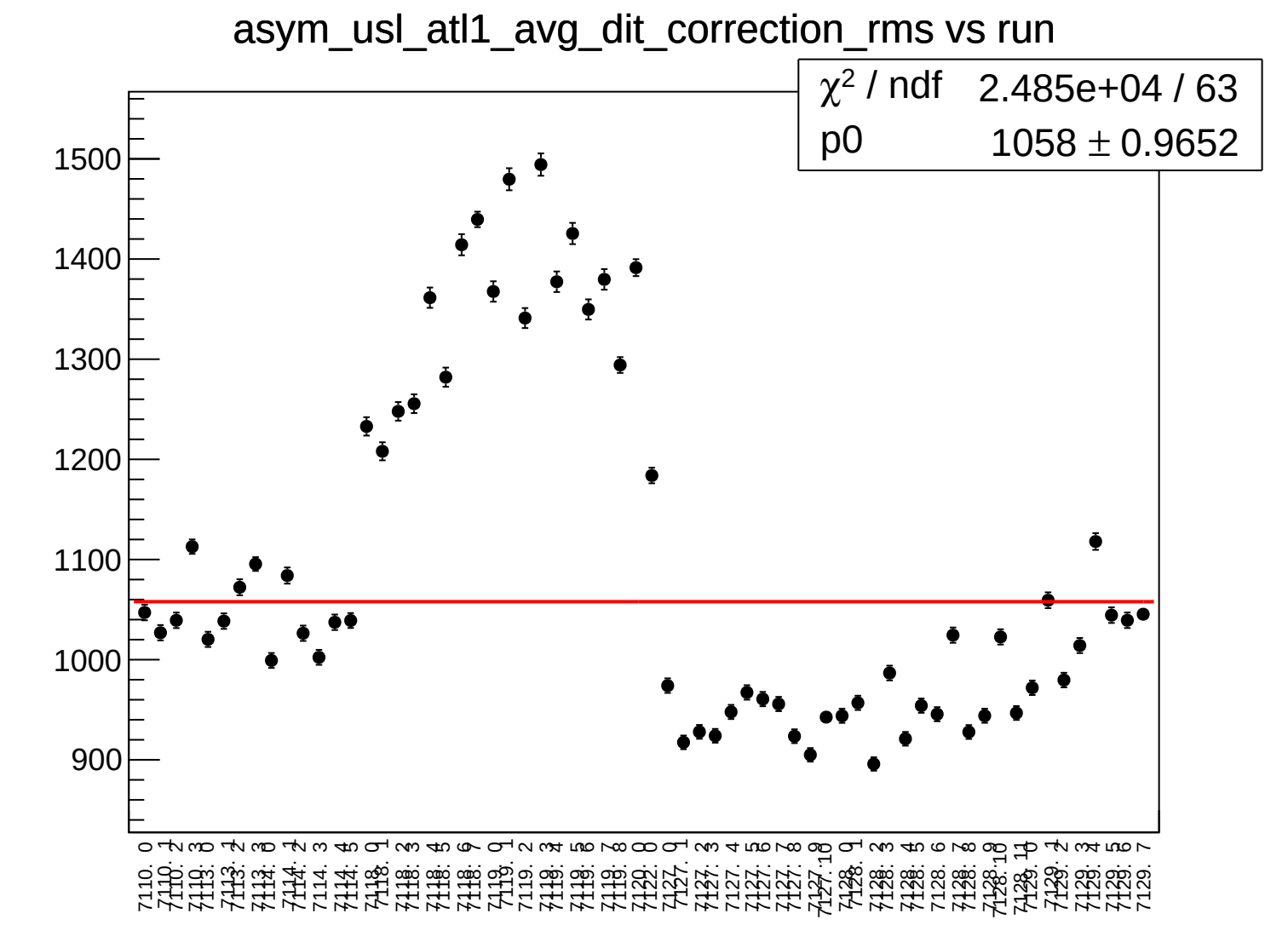

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 57.71 / 63
p0 1186 ± 1869
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −189.2
Std Dev 0
2
1
0
−1
−2

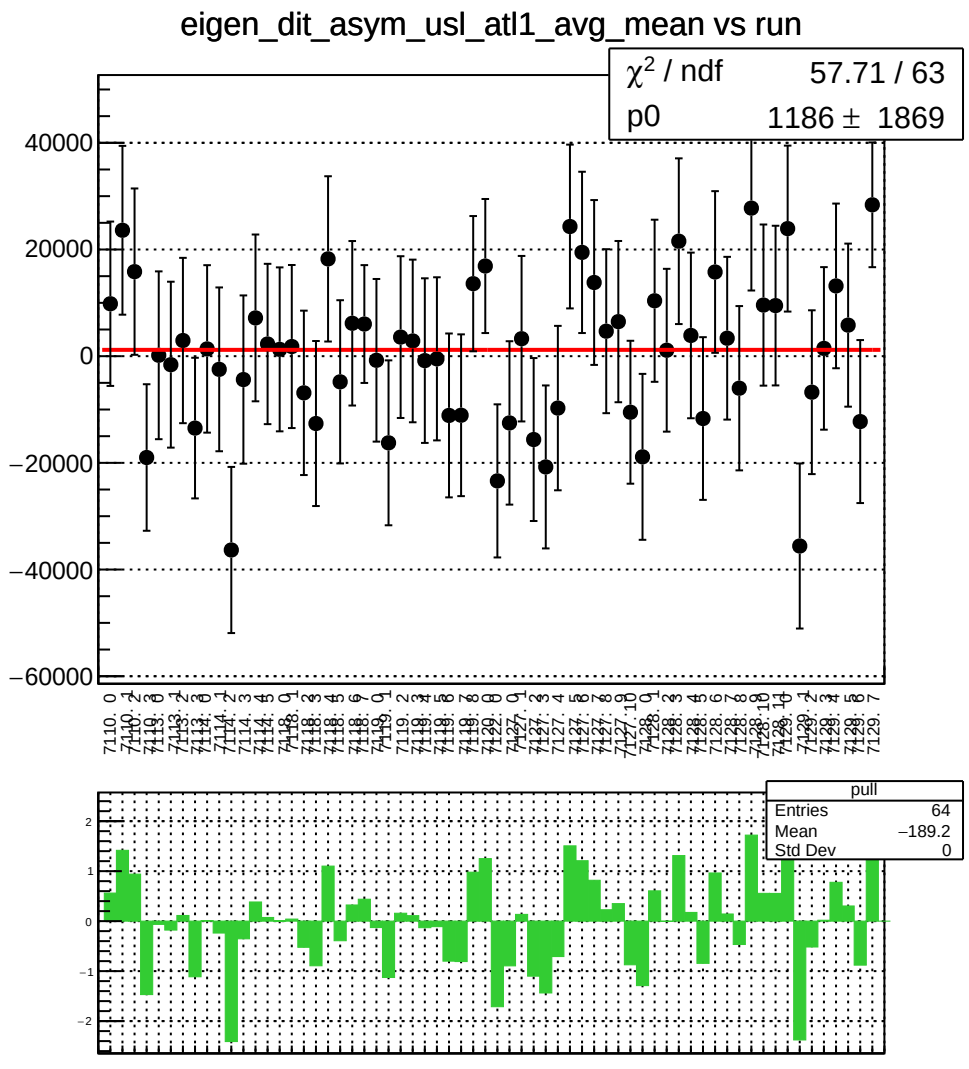

pull1D
Entries 64
Mean −0.01224
Std Dev 0.9495
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

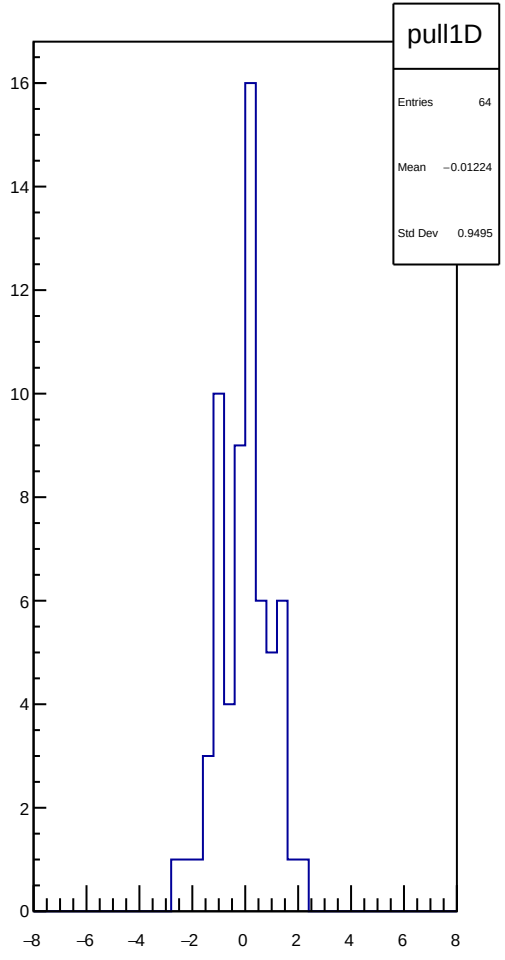

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 212.6 / 63
p0 1463 ± 1.321
1560
1540
1520
1500
1480
1460
1440
1420

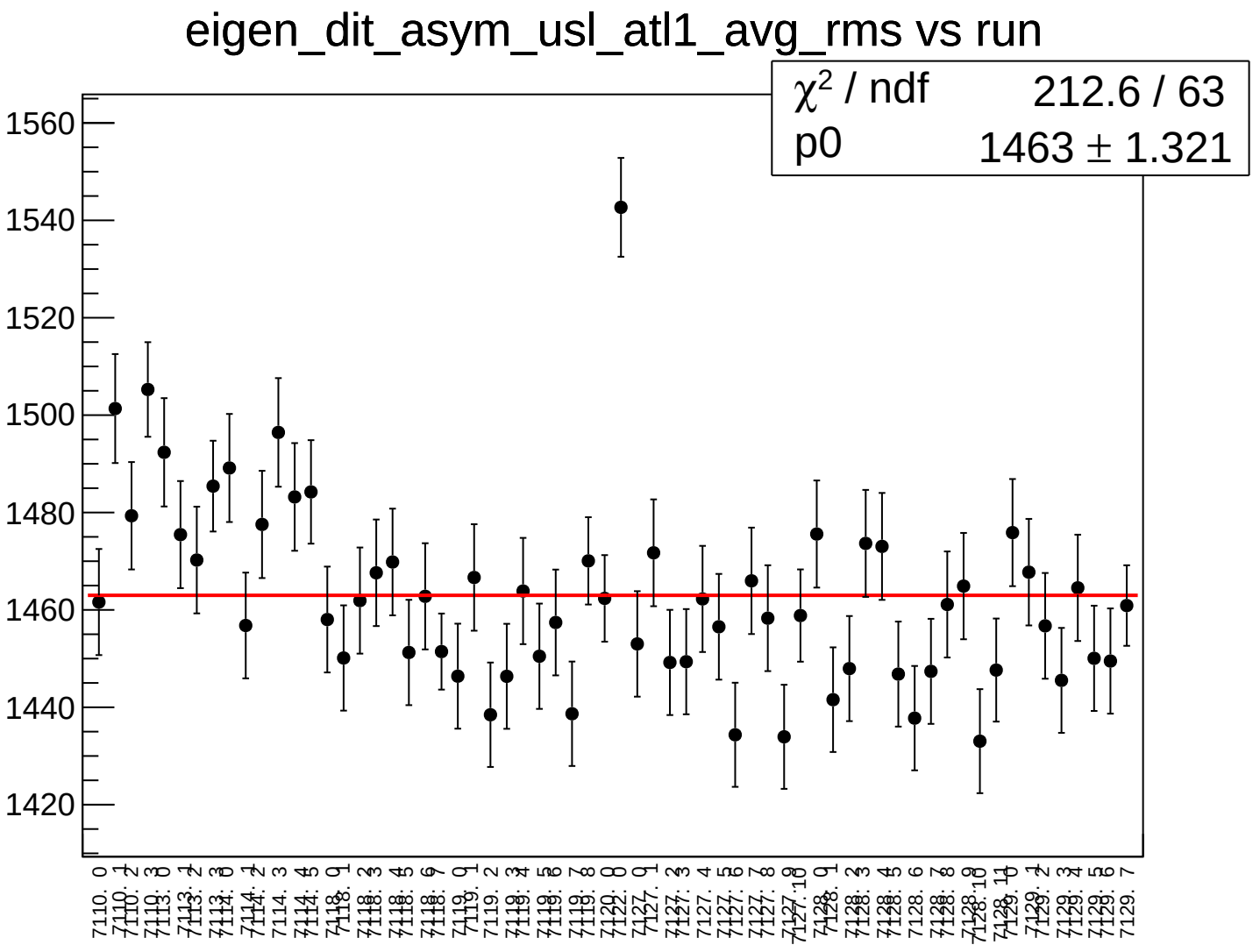

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 55.05 / 63
p0 −788.9 ± 1365
pull
Entries 64
Mean 144.2
Std Dev 0

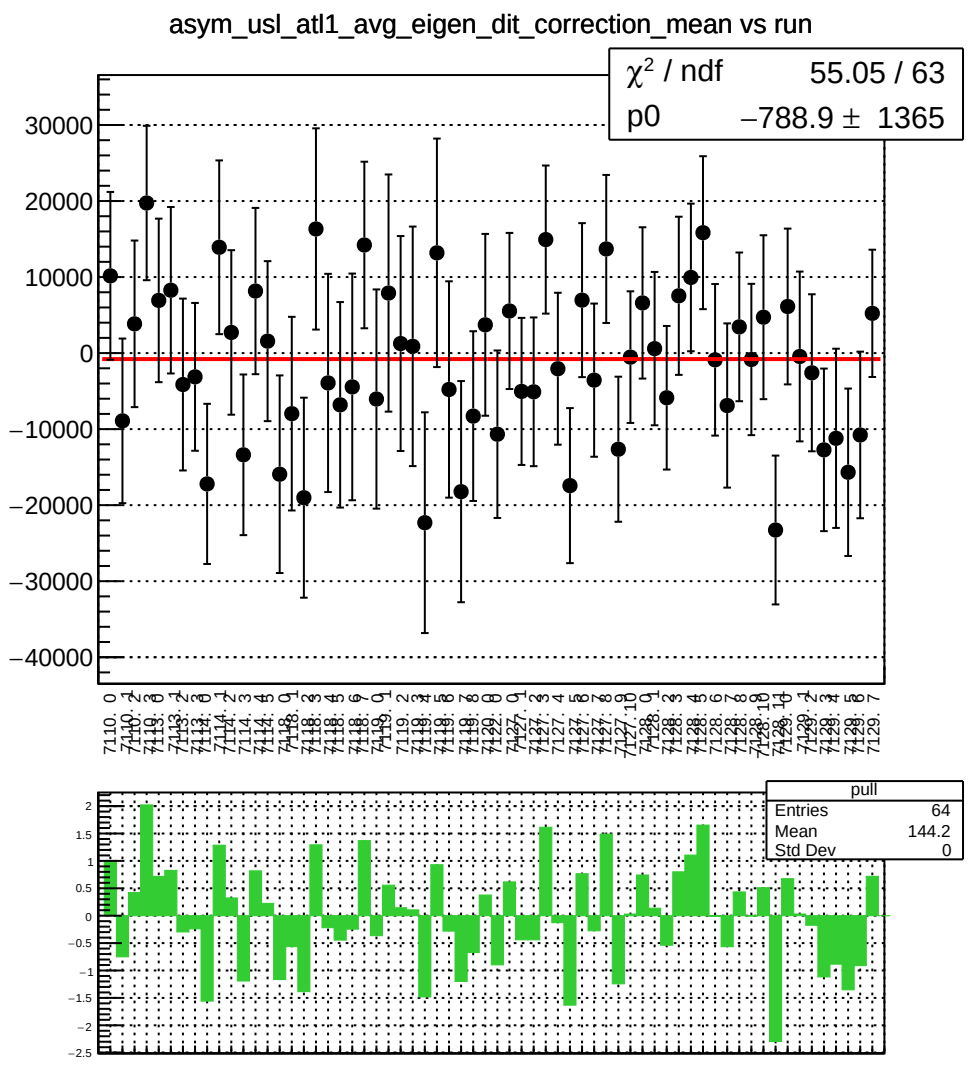

pull1D
Entries 64
Mean −0.01925
Std Dev 0.9273

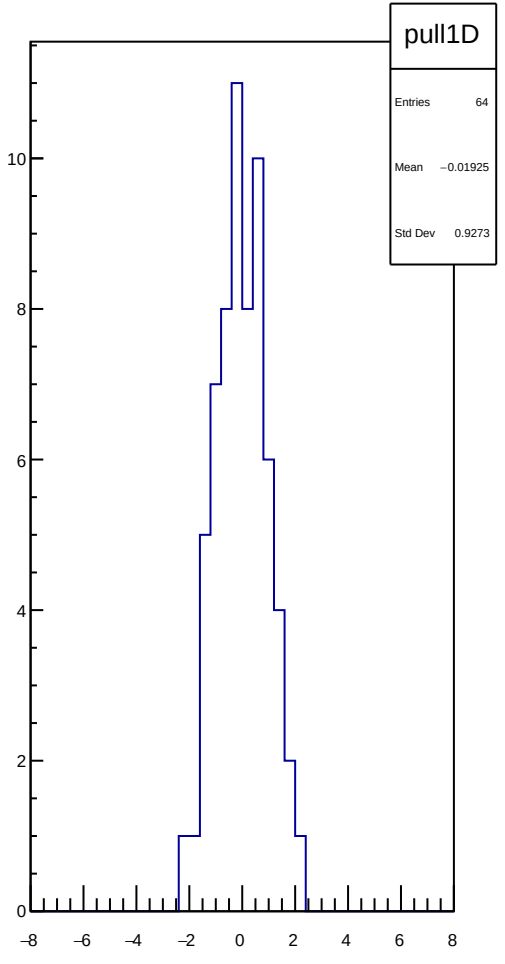

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 2.485e+04 / 63
p0 1058 ± 0.9652
1500
1400
1300
1200
1100
1000
900

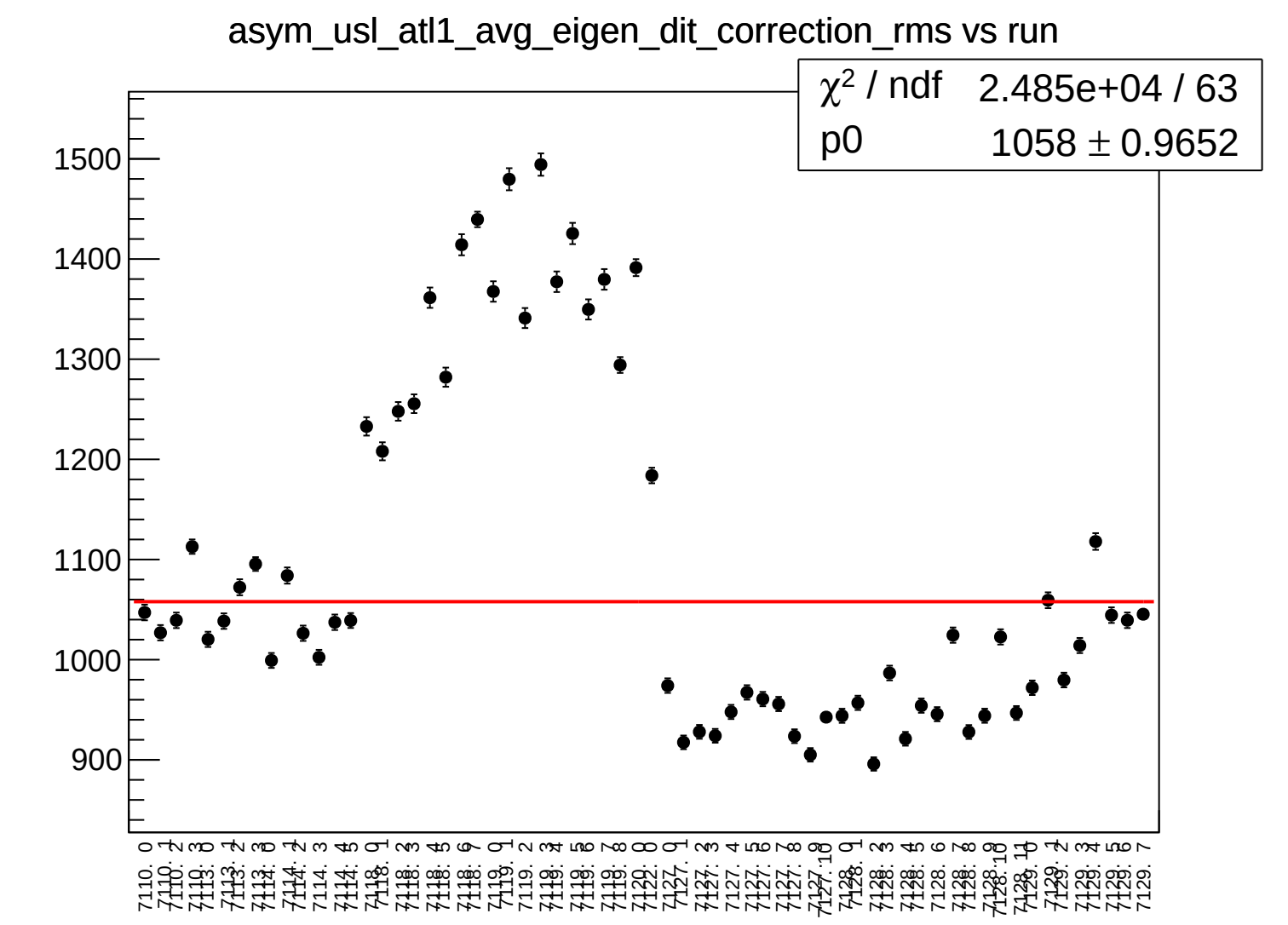

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 57.71 / 63
p0 1186 ± 1869
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −189.2
Std Dev 0
2
1
0
−1
−2

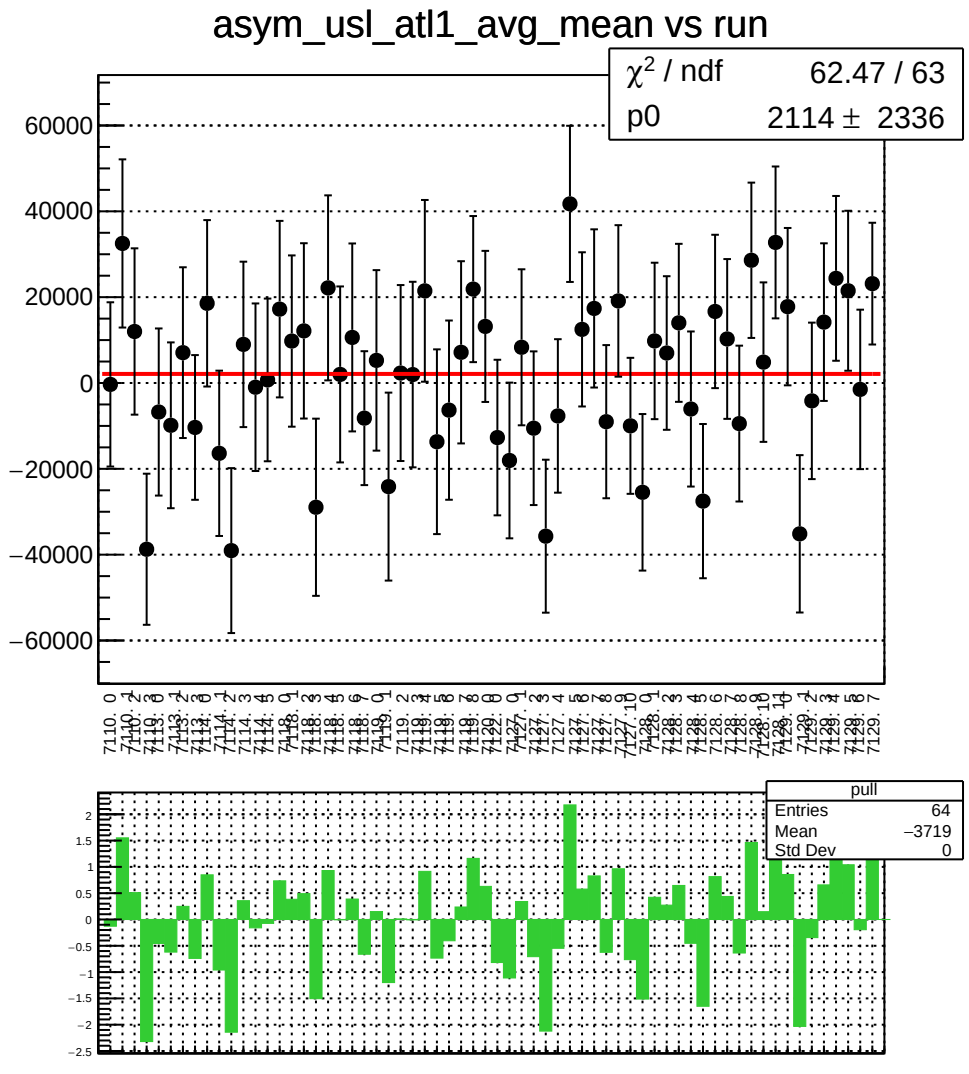

pull1D
Entries 64
Mean −0.01224
Std Dev 0.9495
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

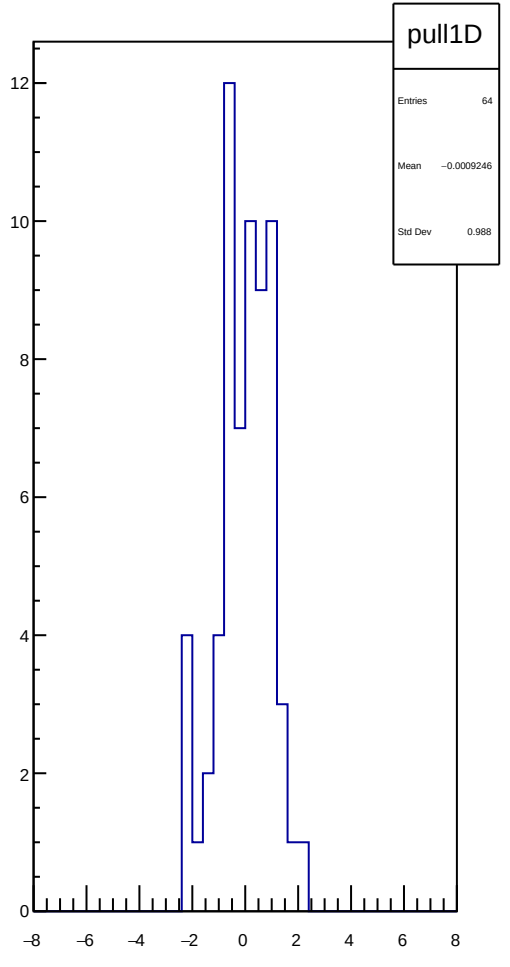

eigen_dit_asym_usl_atl1_avg_rms vs run
χ^2 / ndf 212.6 / 63
p0 1463 ± 1.321
1560
1540
1520
1500
1480
1460
1440
1420

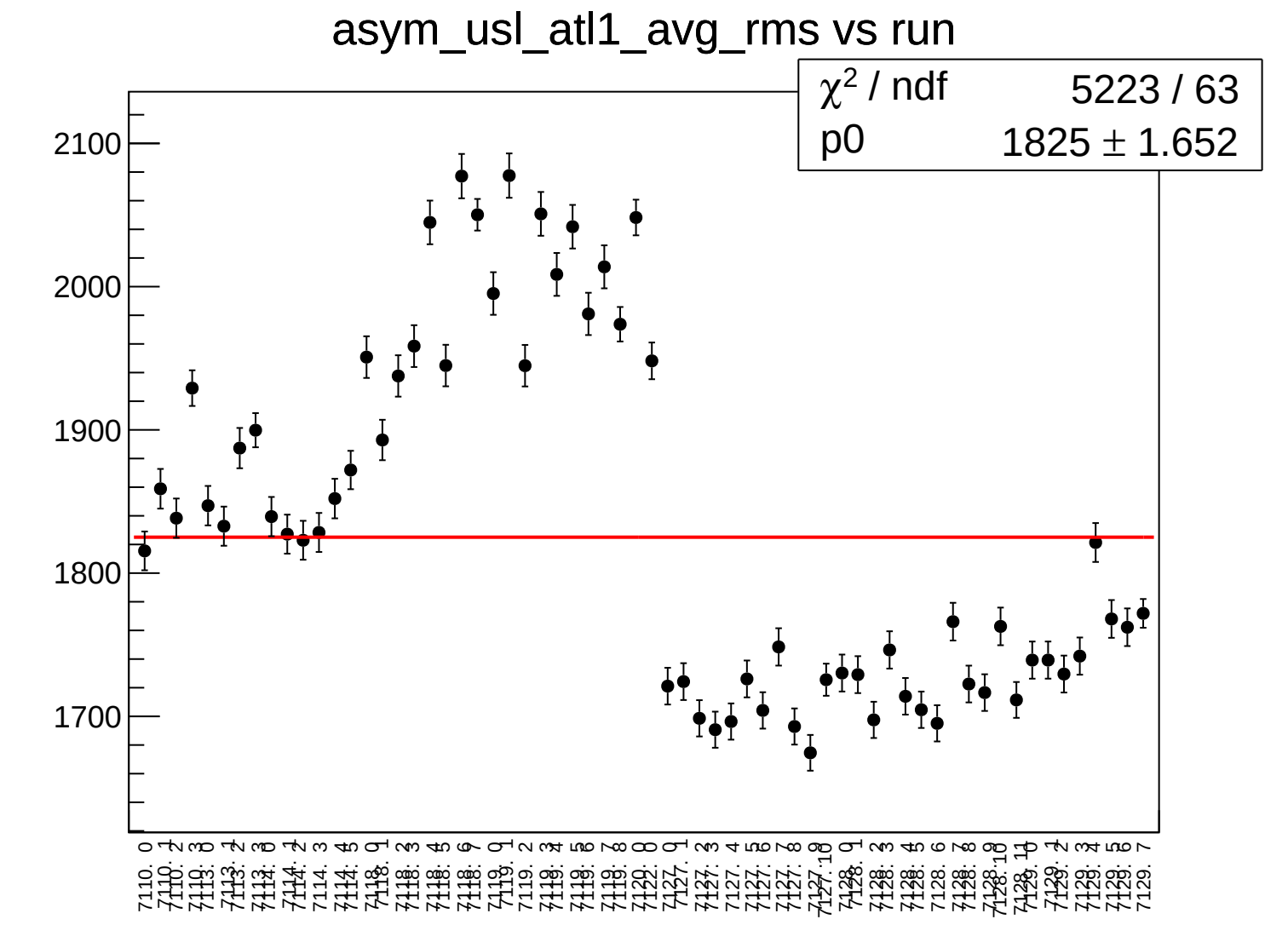

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 55.05 / 63
p0 −788.9 ± 1365
pull
Entries 64
Mean 144.2
Std Dev 0

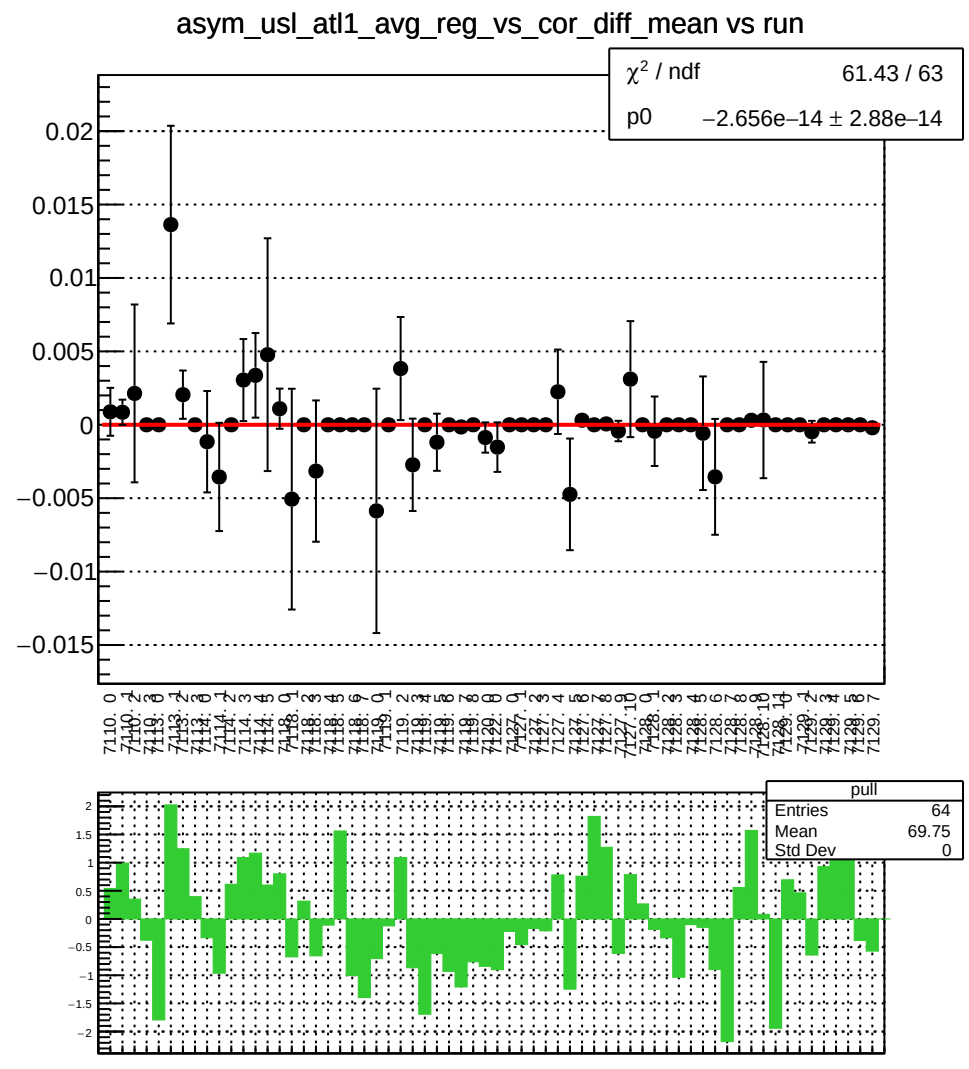

pull1D
Entries 64
Mean −0.01925
Std Dev 0.9273

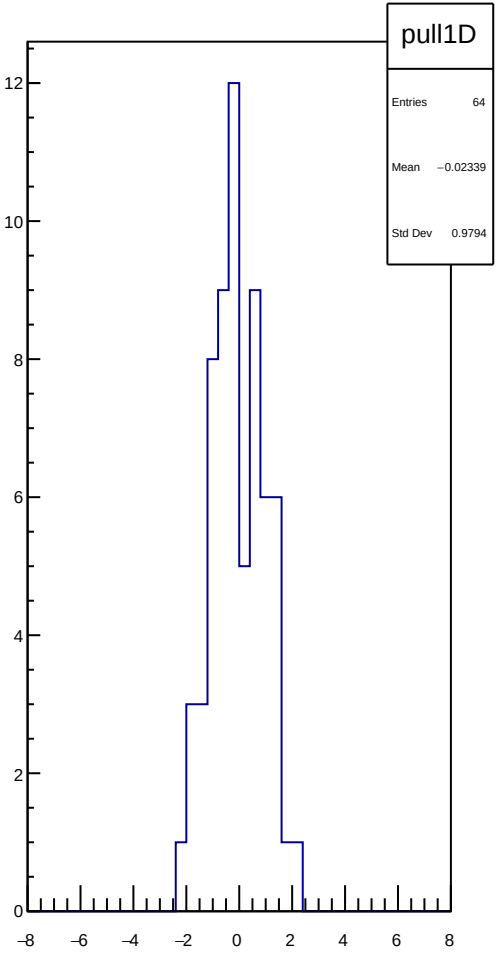

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.485e+04 / 63
p0 1058 ± 0.9652
1500
1400
1300
1200
1100
1000
900

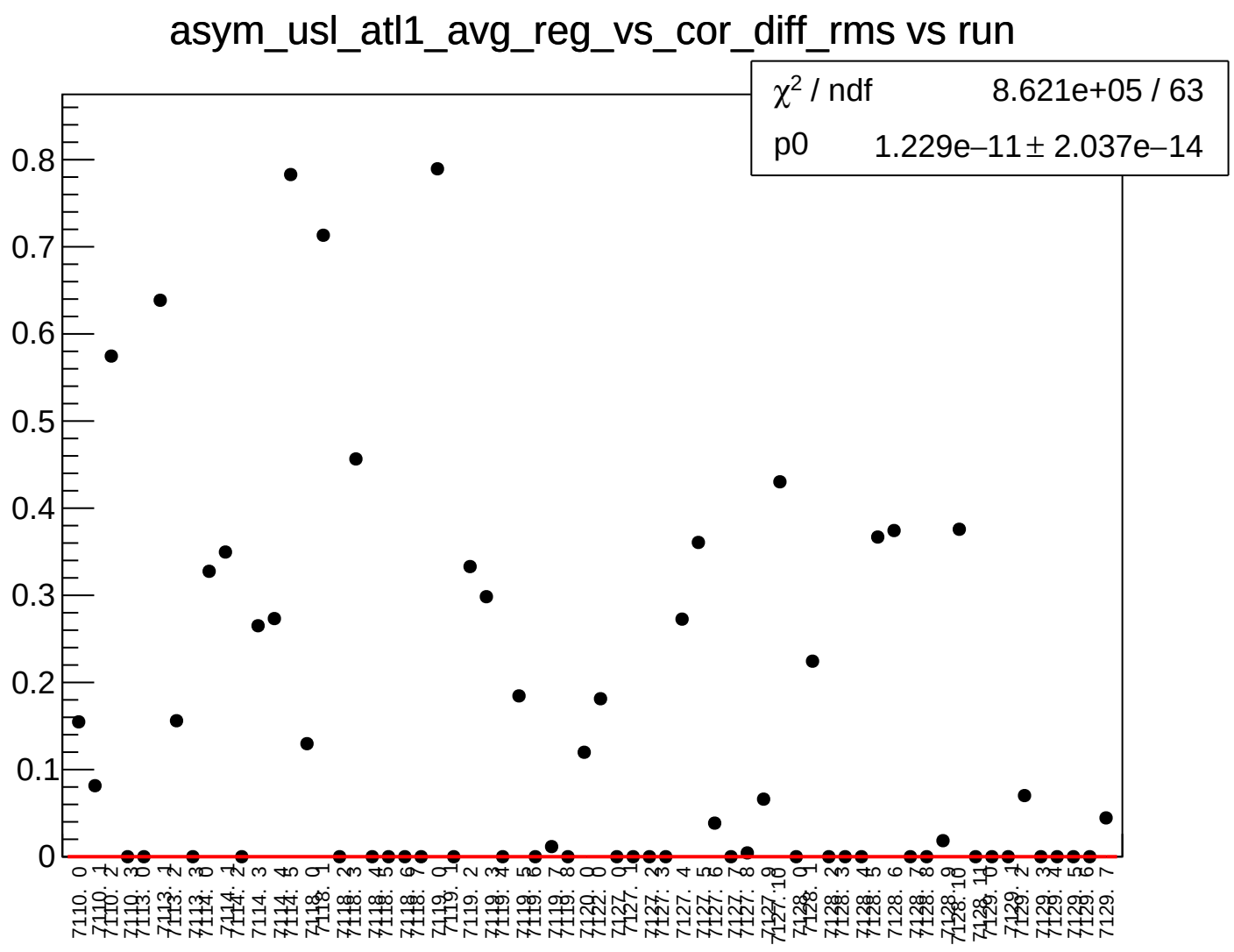

asym_usl_atl1_avg_mean vs run
χ² / ndf 62.47 / 63
p0 2114 ± 2336
pull
Entries 64
Mean −3719
Std Dev 0

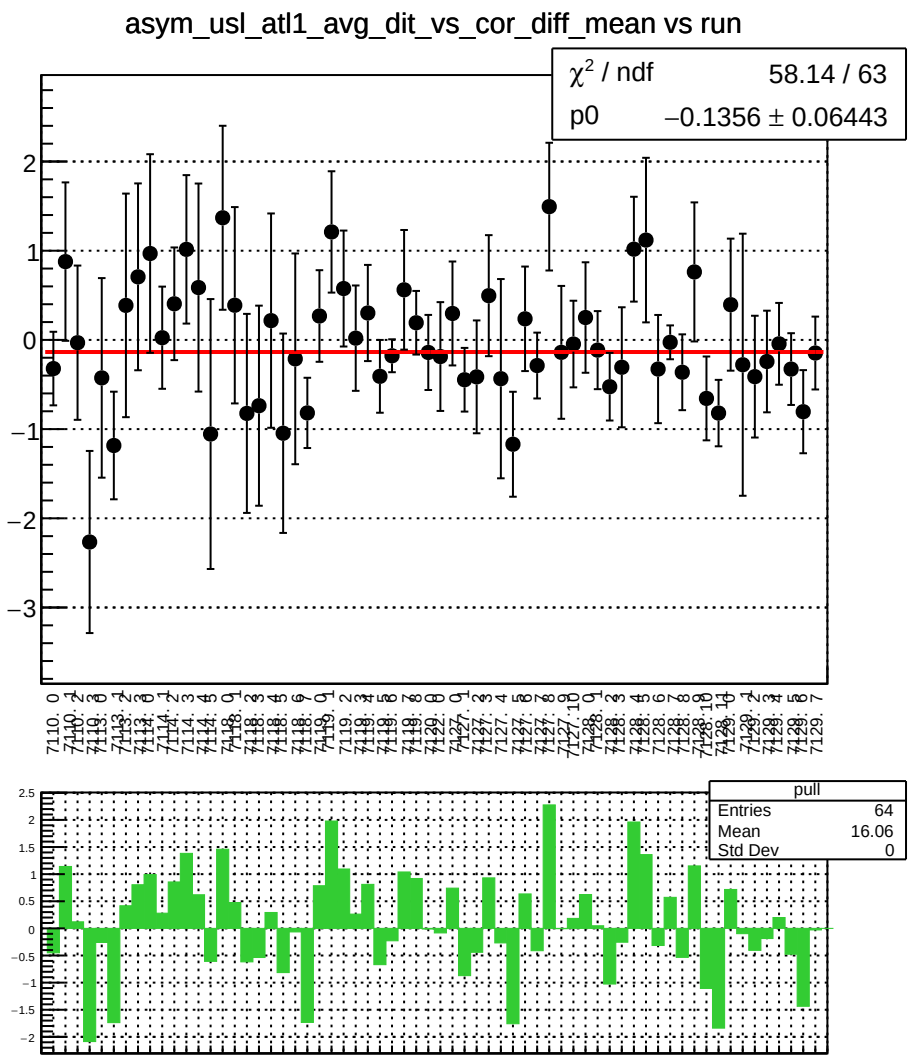

pull1D
Entries 64
Mean −0.0009246
Std Dev 0.988

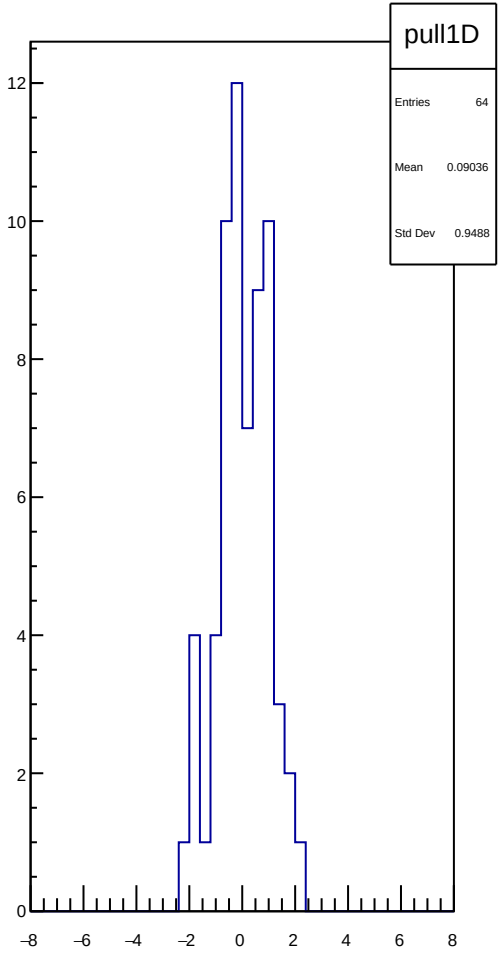

asym_usl_atl1_avg_rms vs run
χ² / ndf 5223 / 63
p0 1825 ± 1.652
2100
2000
1900
1800
1700

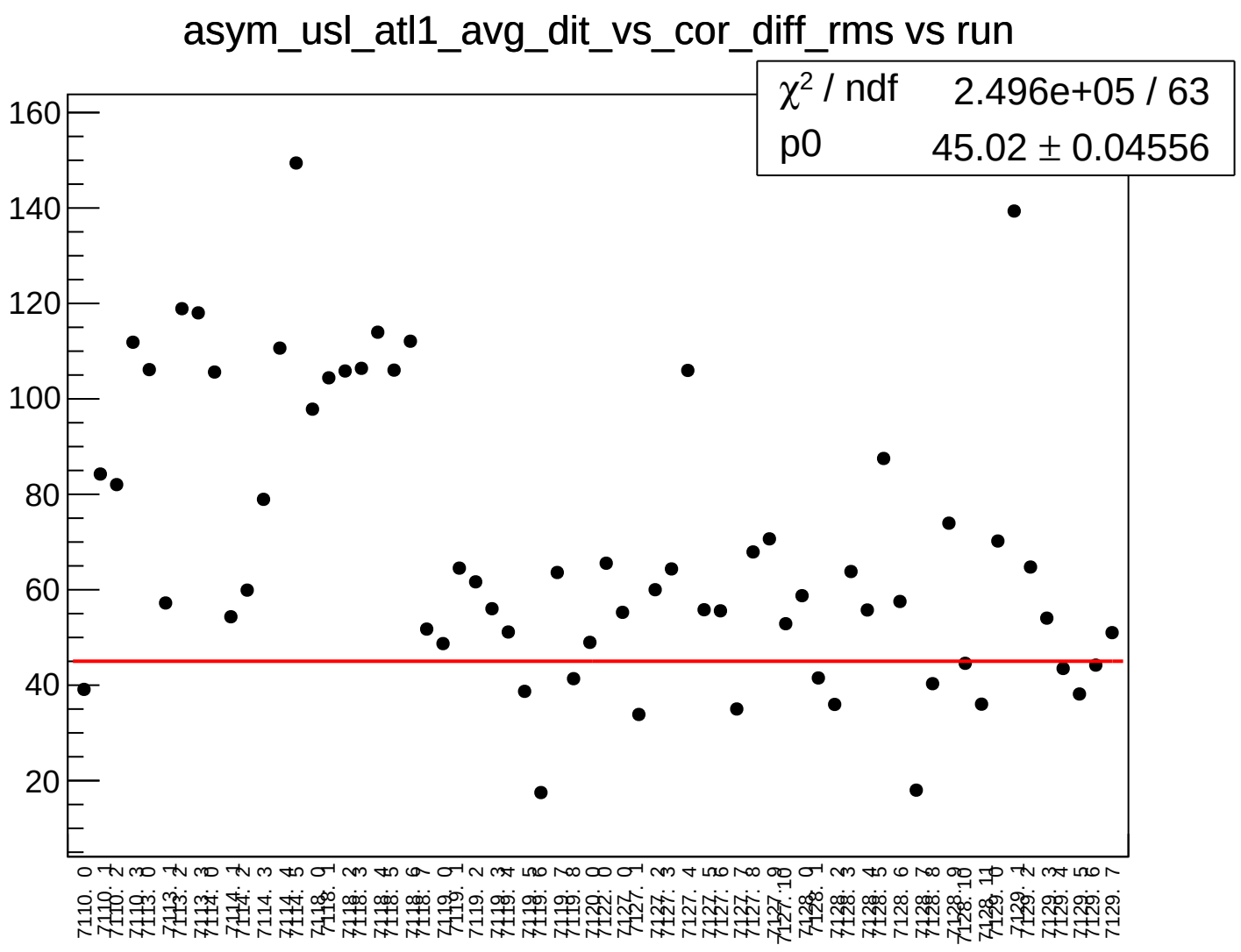

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.43 / 63
p0 −2.656e−14 ± 2.88e−14
pull
Entries 64
Mean 69.75
Std Dev 0

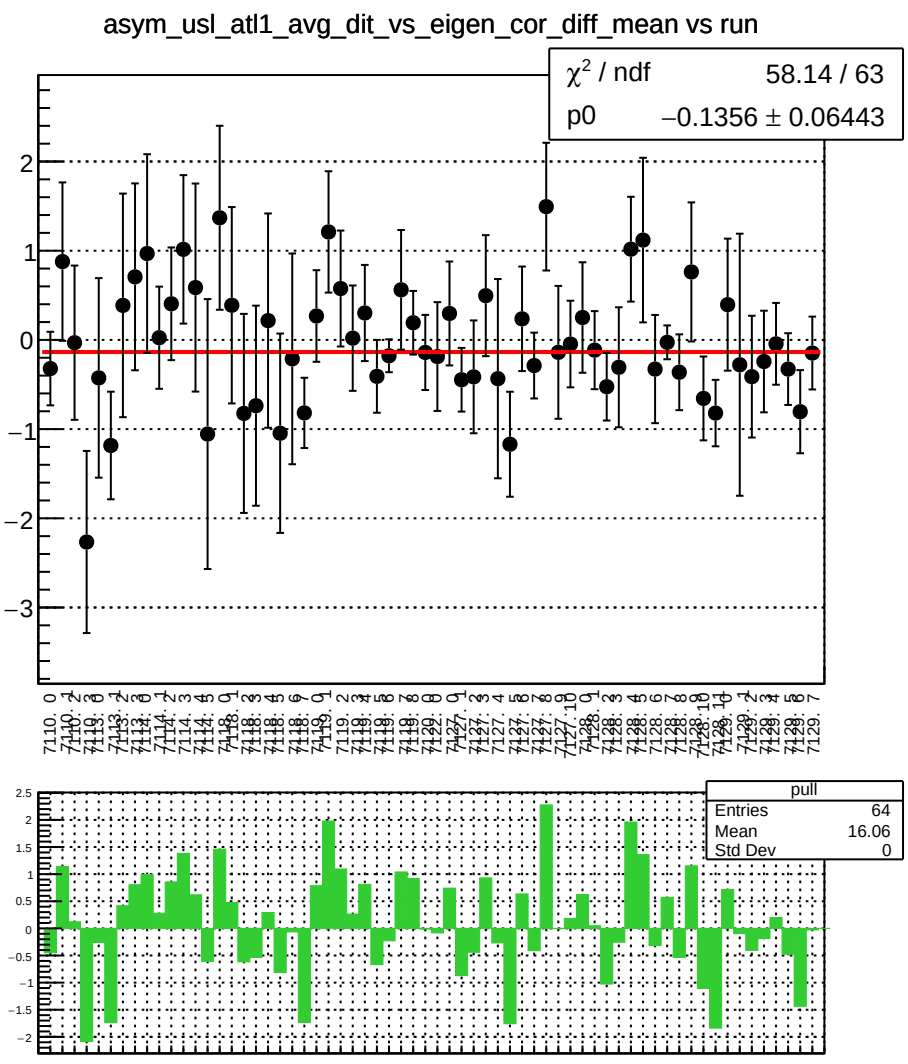

pull1D
Entries 64
Mean −0.02339
Std Dev 0.9794

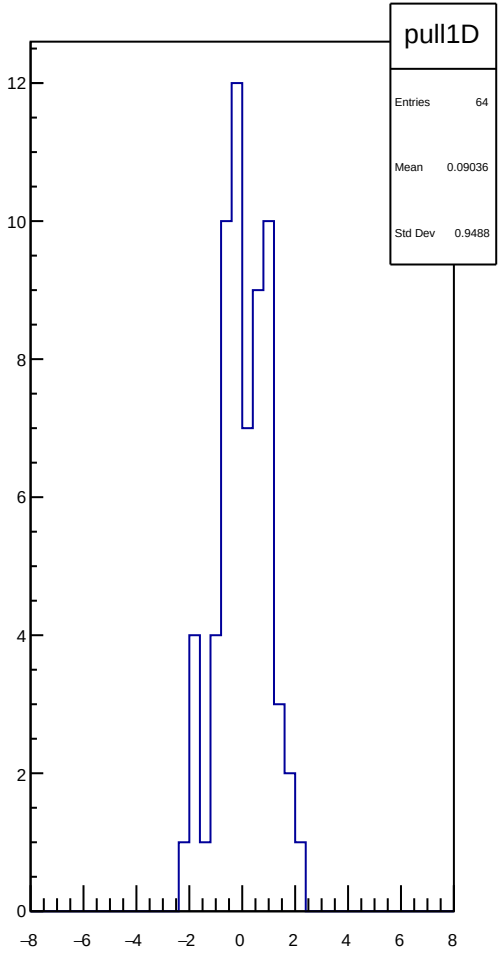

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.621e+05 / 63
p0 1.229e−11 ± 2.037e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

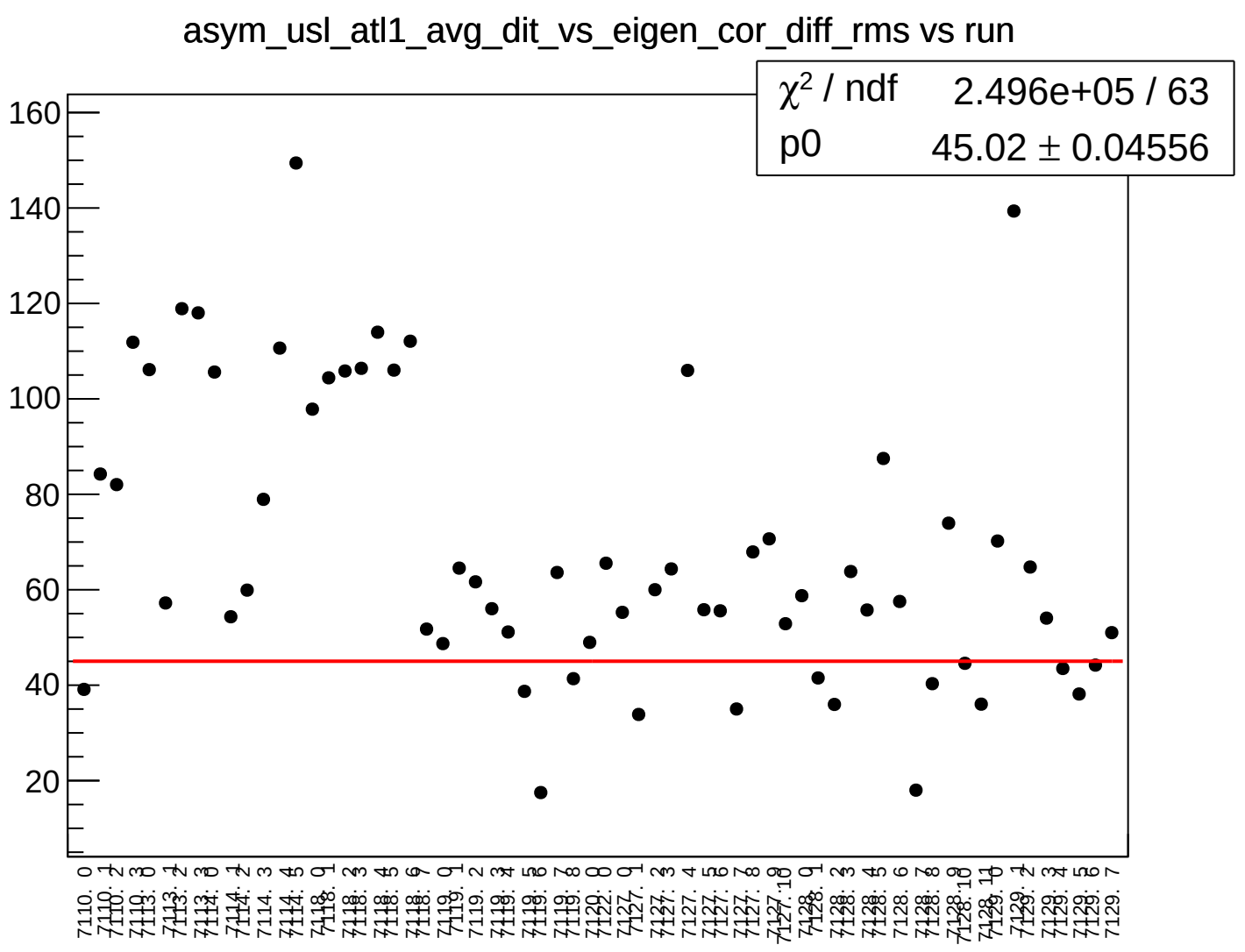

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.14 / 63
p0 −0.1356 ± 0.06443
pull
Entries 64
Mean 16.06
Std Dev 0

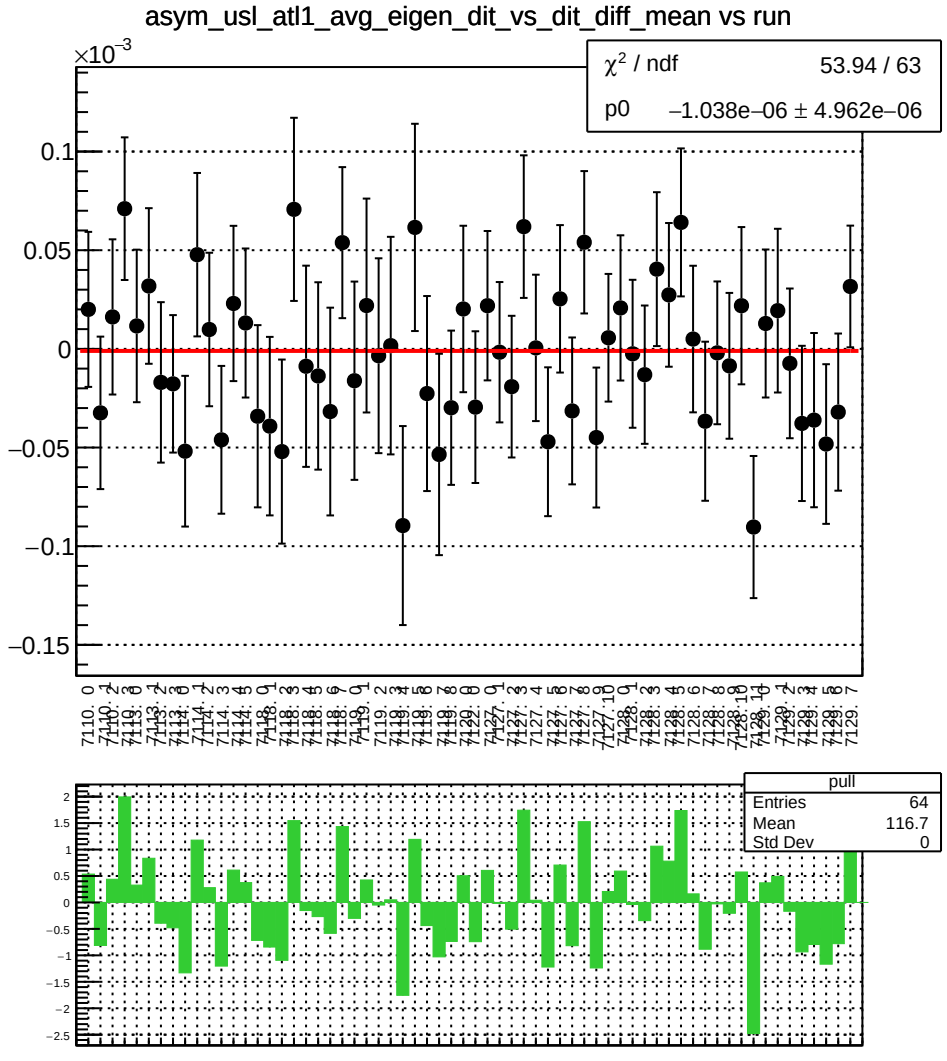

pull1D
Entries 64
Mean 0.09036
Std Dev 0.9488

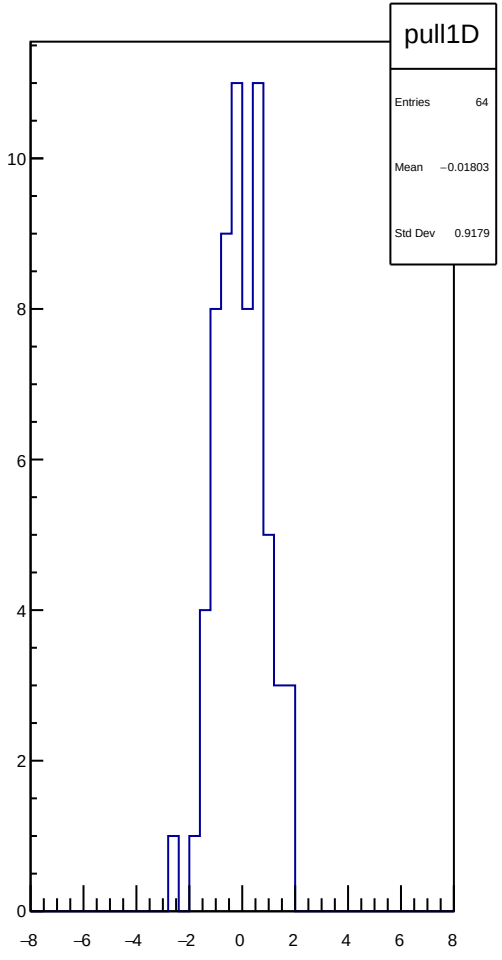

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.496e+05 / 63
p0 45.02 ± 0.04556
160
140
120
100
80
60
40
20

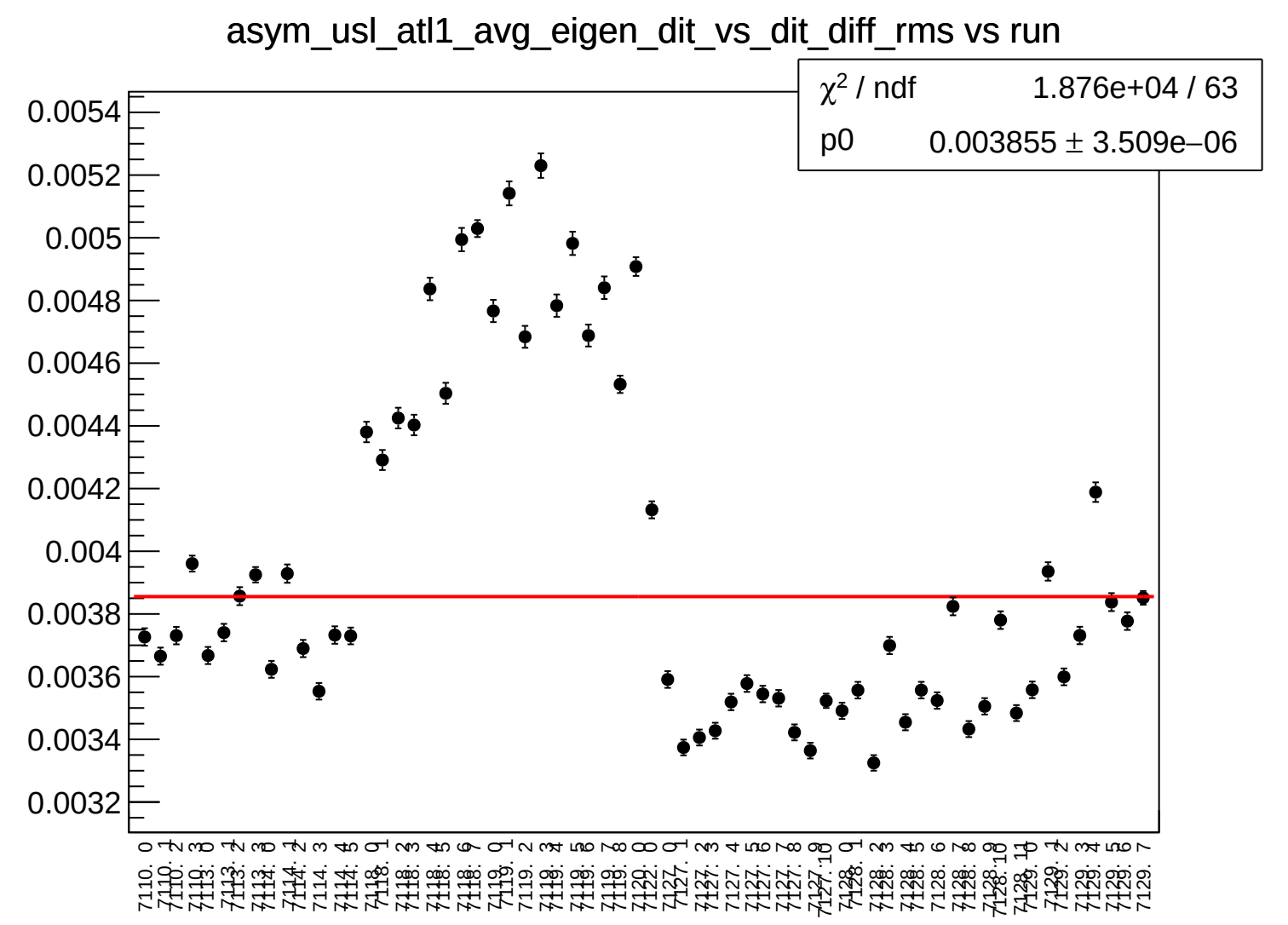

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.14 / 63
p0 −0.1356 ± 0.06443
pull
Entries 64
Mean 16.06
Std Dev 0

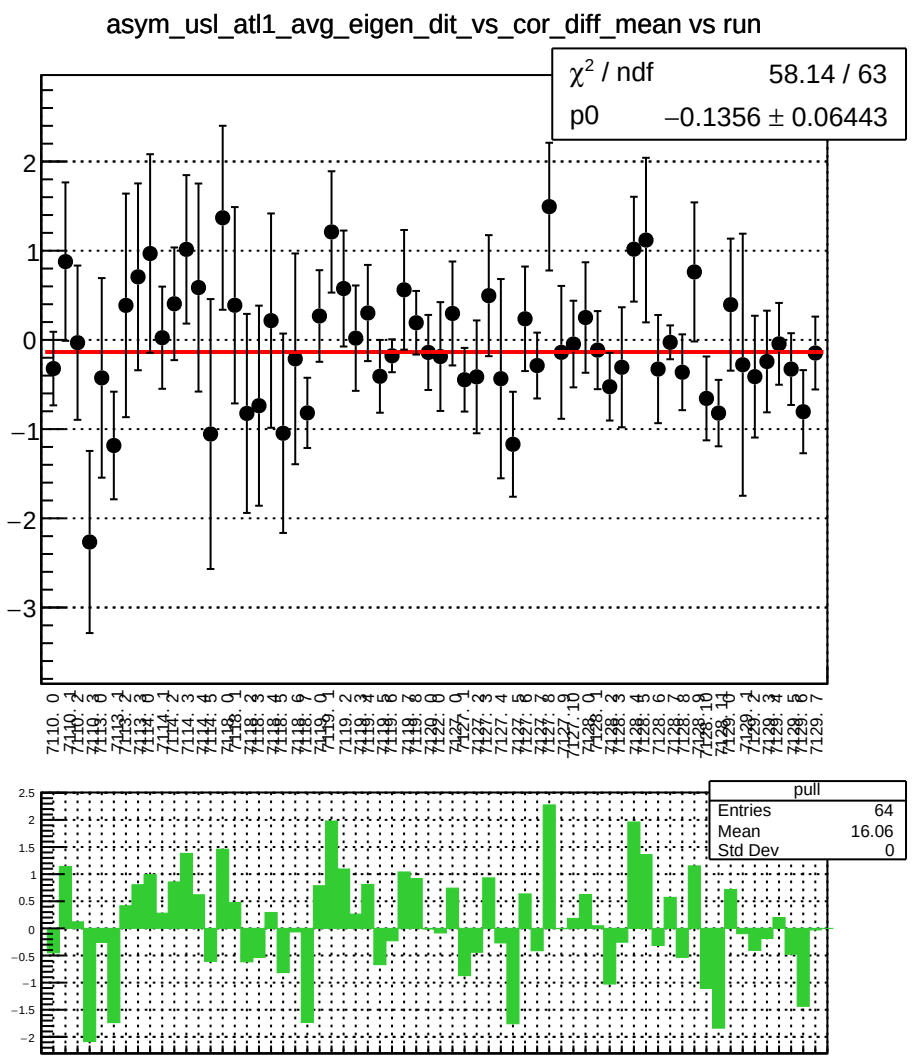

pull1D
Entries 64
Mean 0.09036
Std Dev 0.9488

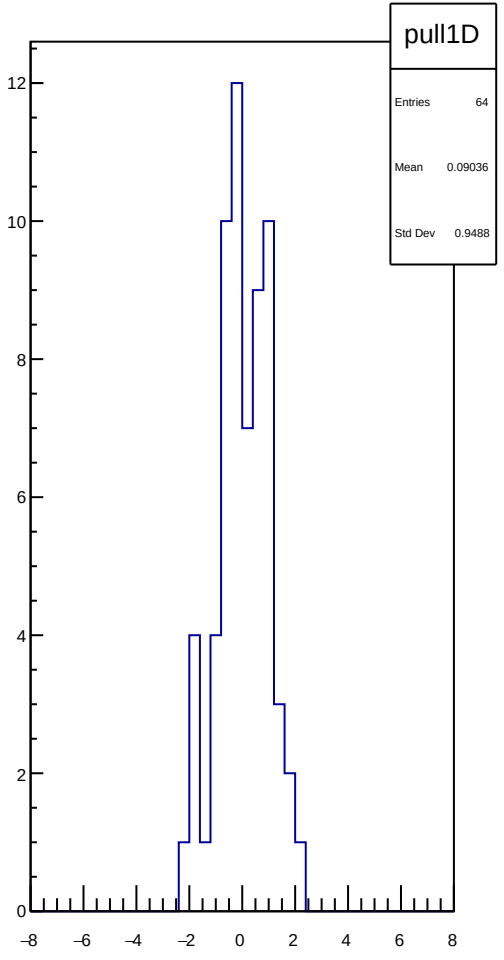

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.496e+05 / 63
p0 45.02 ± 0.04556
160
140
120
100
80
60
40
20

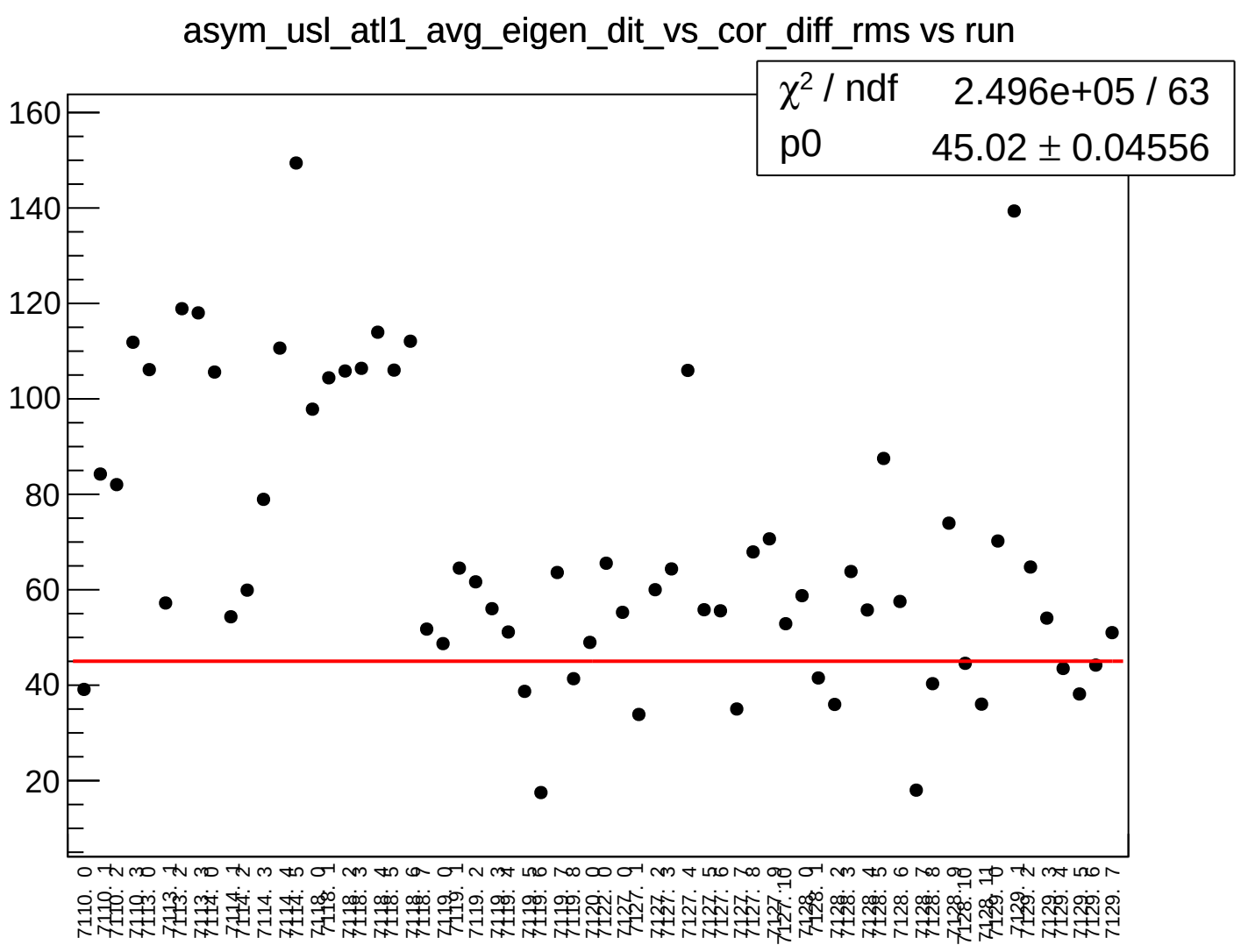

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.94 / 63
p0 −1.038e−06 ± 4.962e−06
pull
Entries 64
Mean 116.7
Std Dev 0

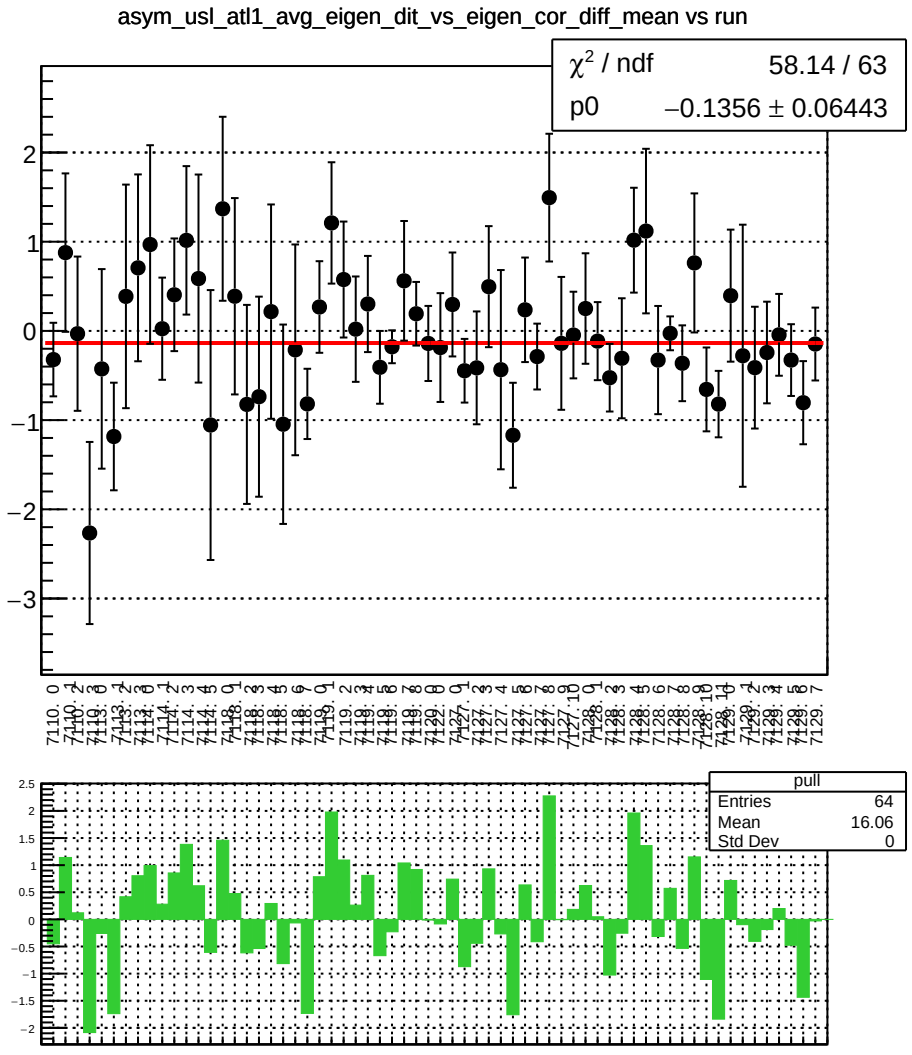

pull1D
Entries 64
Mean −0.01803
Std Dev 0.9179

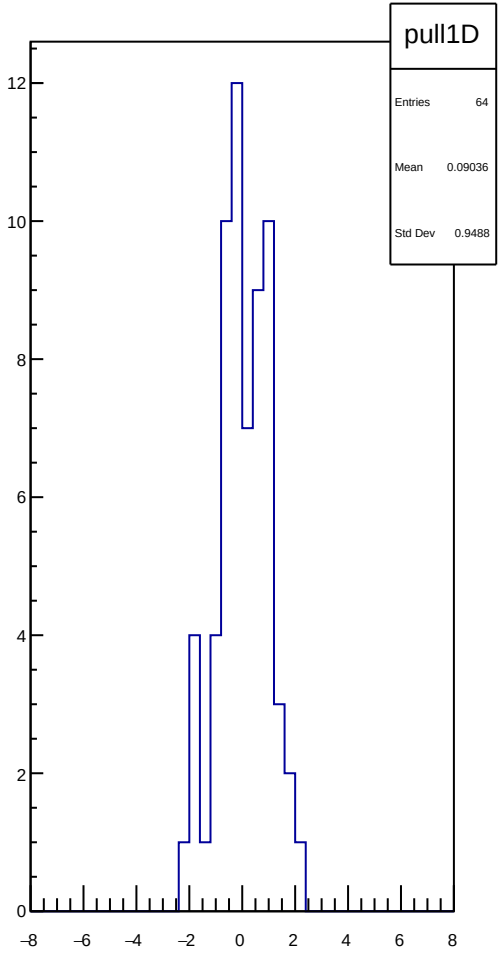

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.876e+04 / 63
p0 0.003855 ± 3.509e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032

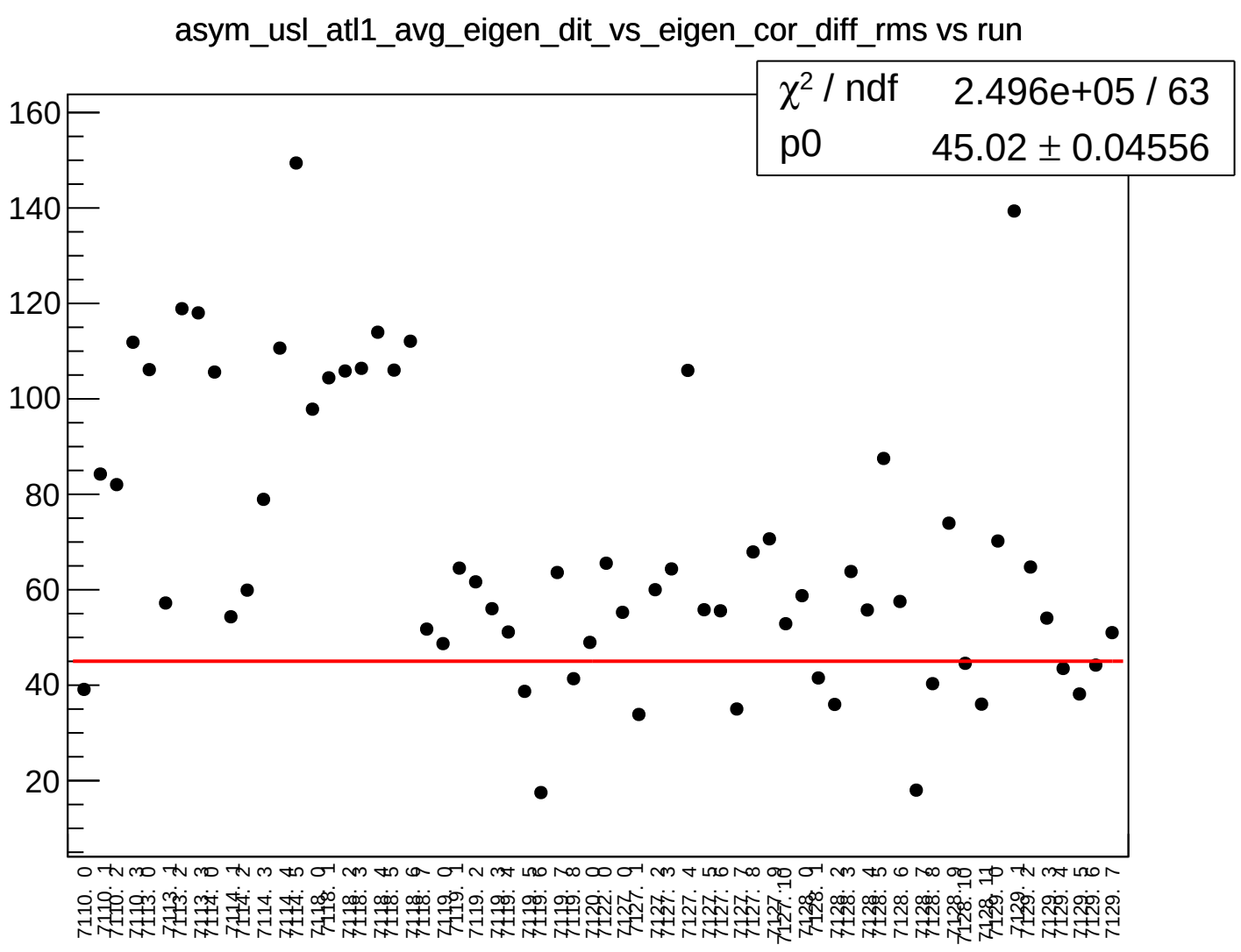

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.14 / 63
p0 −0.1356 ± 0.06443
pull
Entries 64
Mean 16.06
Std Dev 0

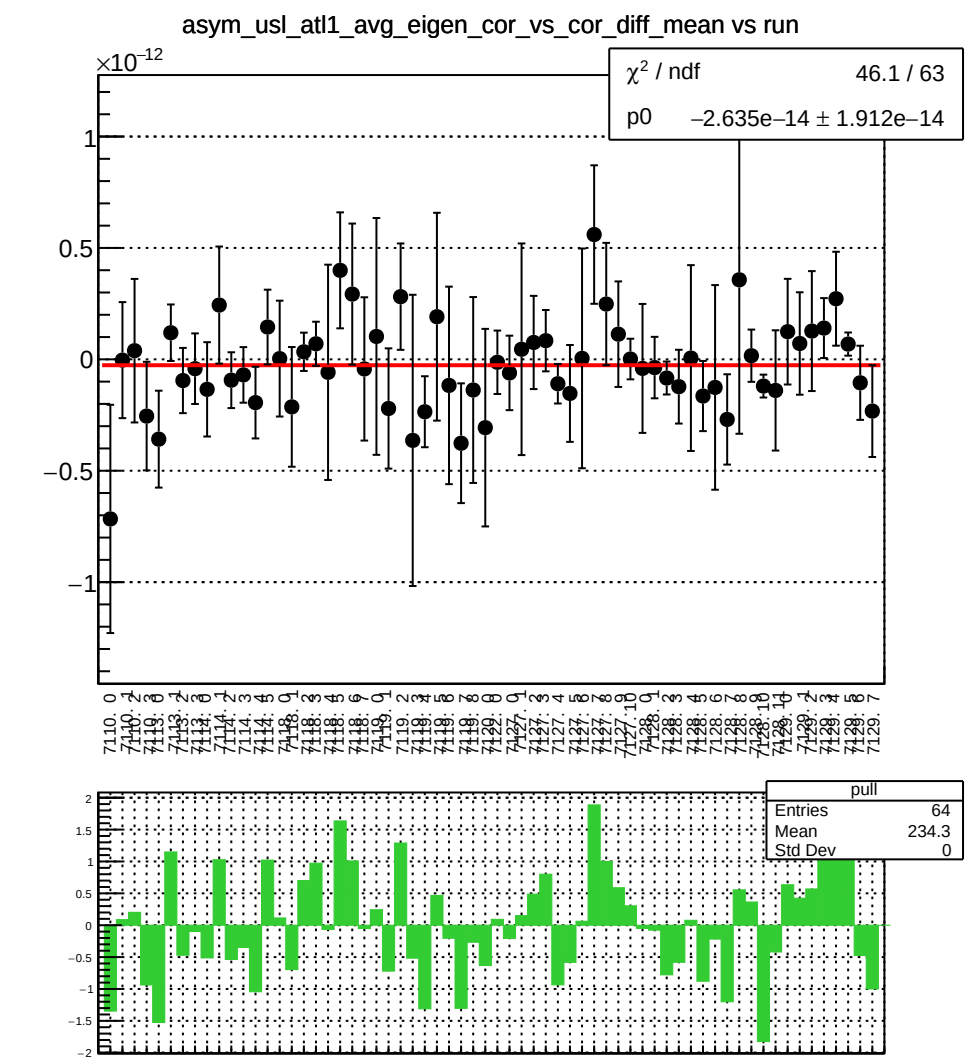

pull1D
Entries 64
Mean 0.09036
Std Dev 0.9488

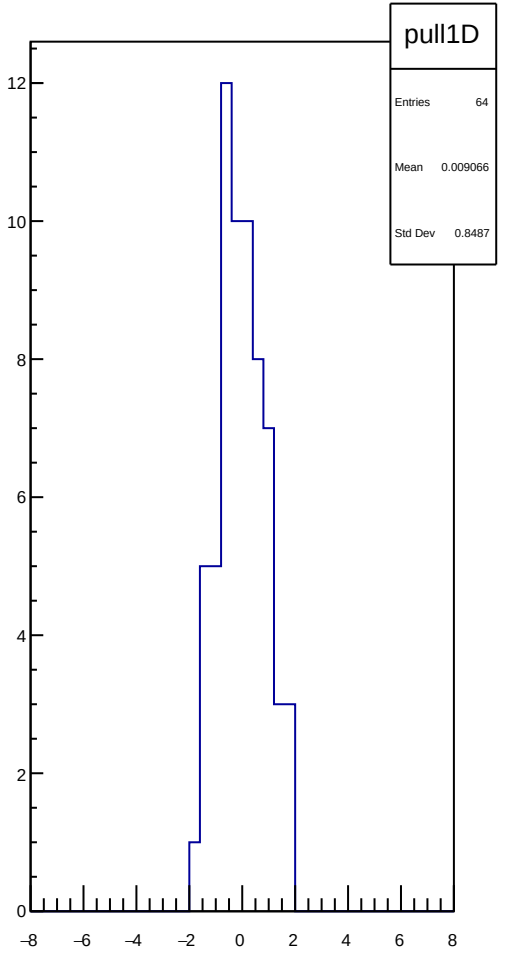

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.496e+05 / 63
p0 45.02 ± 0.04556
160
140
120
100
80
60
40
20

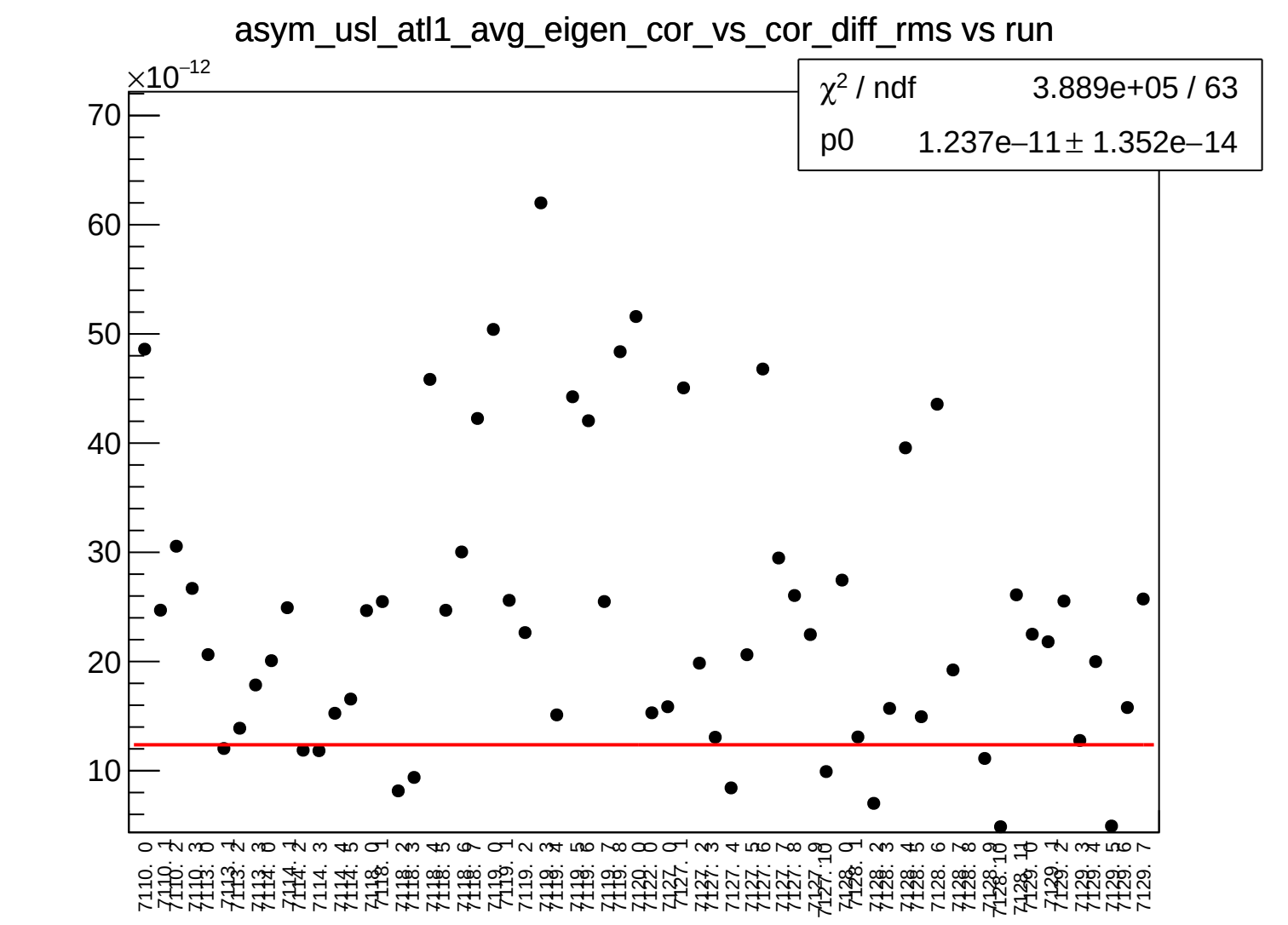

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.14 / 63
p0 −0.1356 ± 0.06443
pull
Entries 64
Mean 16.06
Std Dev 0

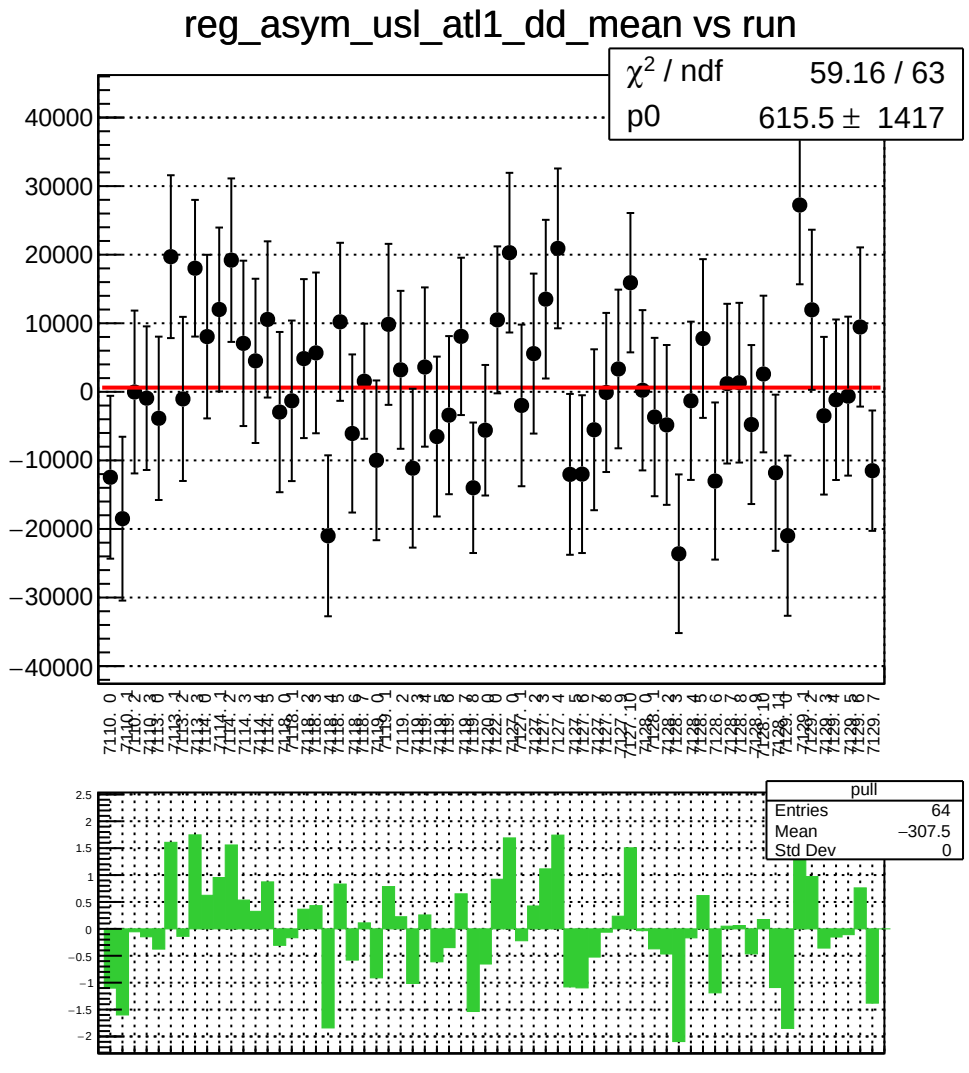

pull1D
Entries 64
Mean 0.09036
Std Dev 0.9488

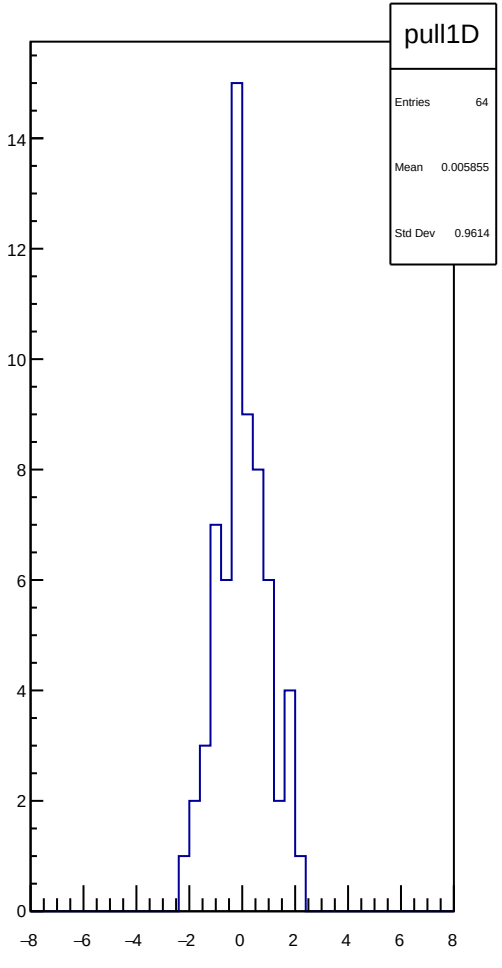

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.496e+05 / 63
p0 45.02 ± 0.04556
160
140
120
100
80
60
40
20

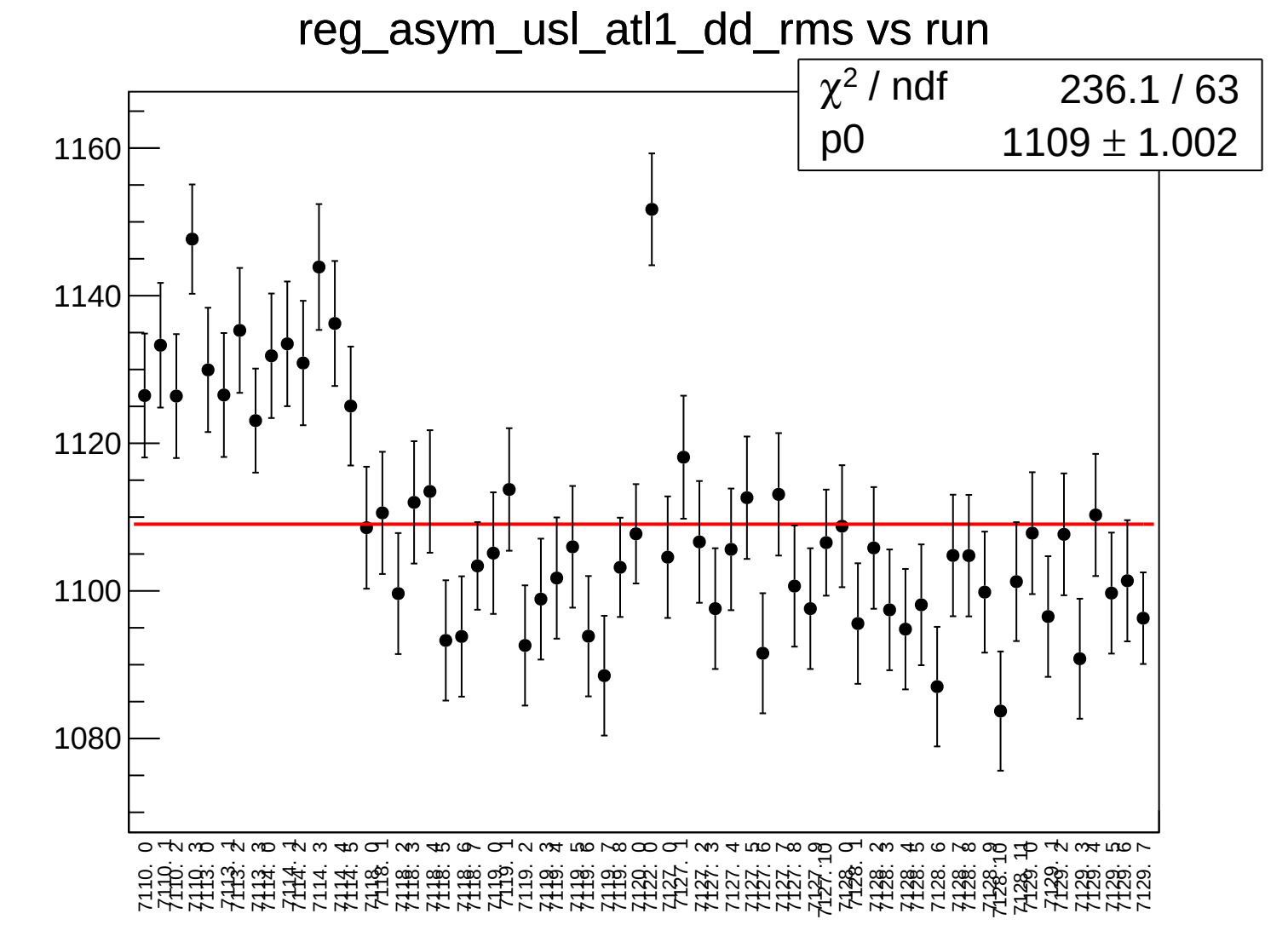

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.1 / 63
p0 −2.635e−14 ± 1.912e−14
pull
Entries 64
Mean 234.3
Std Dev 0

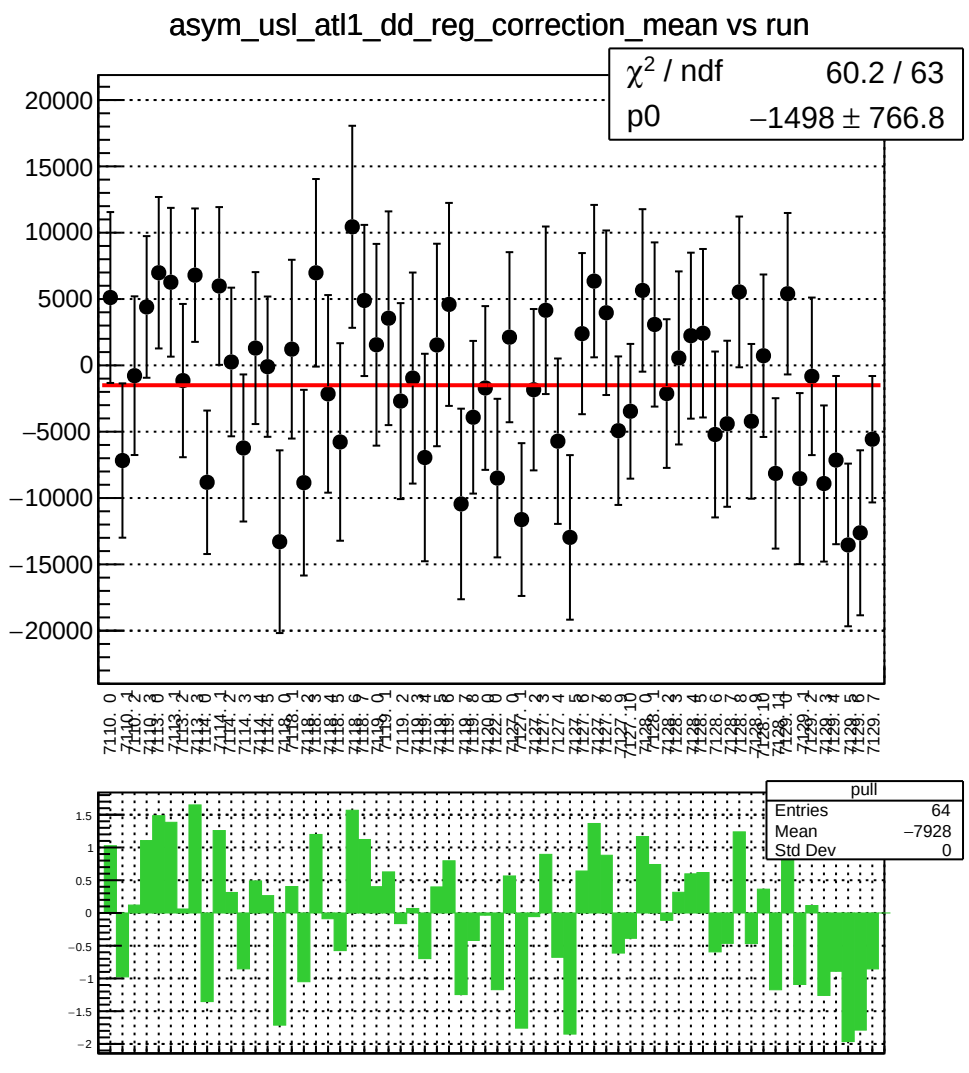

pull1D
Entries 64
Mean 0.009066
Std Dev 0.8487

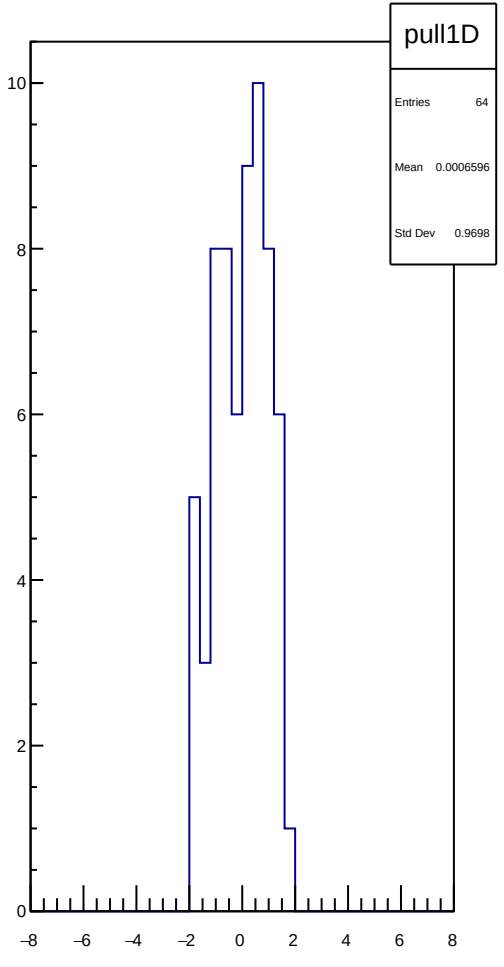

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.889e+05 / 63
p0 1.237e−11 ± 1.352e−14
70
60
50
40
30
20
10

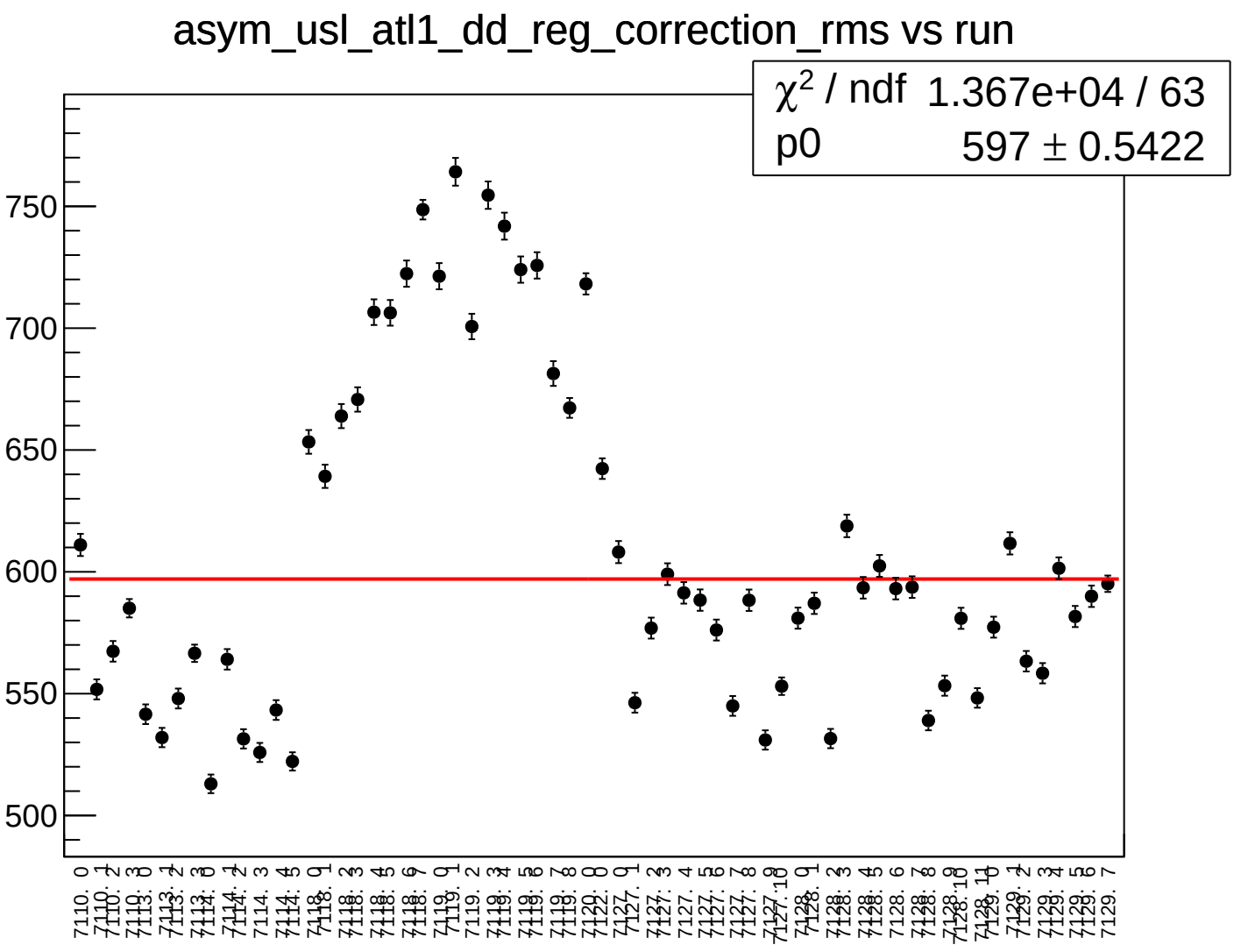

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 59.16 / 63
p0 615.5 ± 1417
pull
Entries 64
Mean −307.5
Std Dev 0

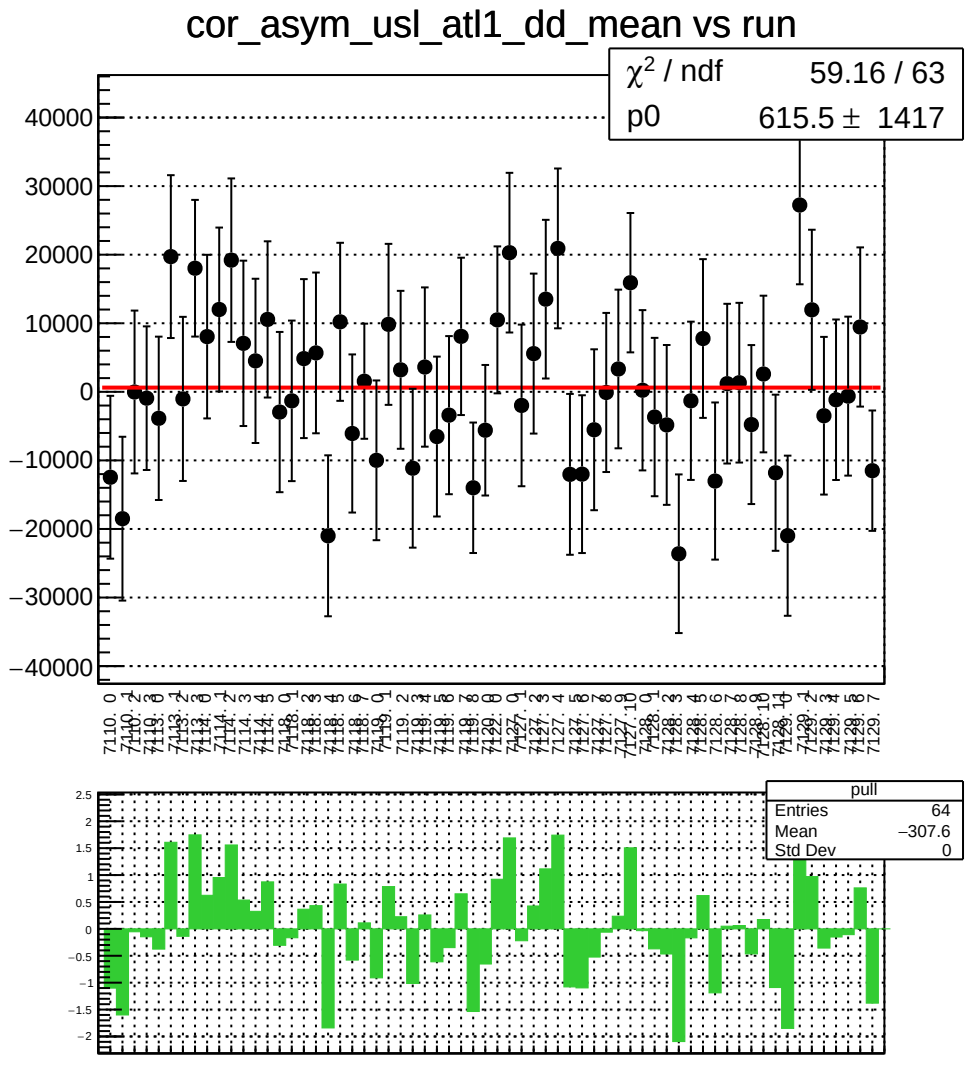

pull1D
Entries 64
Mean 0.005855
Std Dev 0.9614

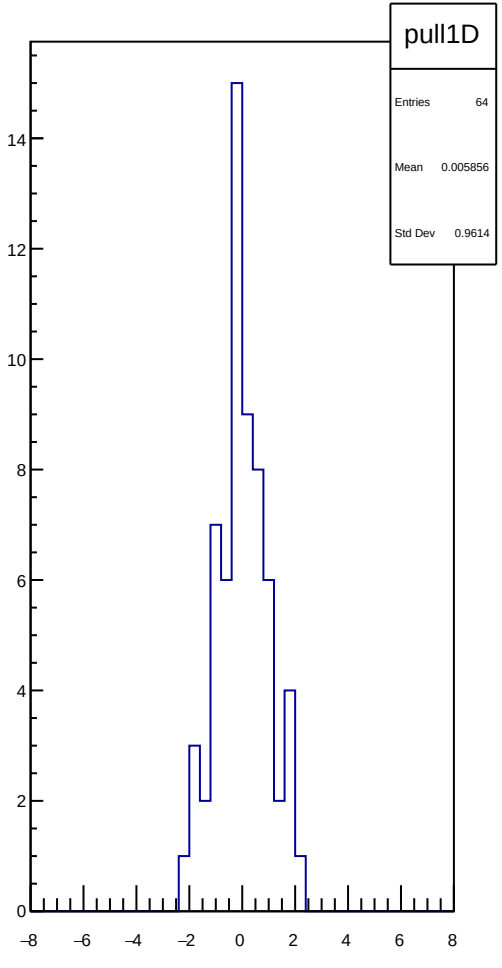

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 236.1 / 63
p0 1109 ± 1.002
1160
1140
1120
1100
1080

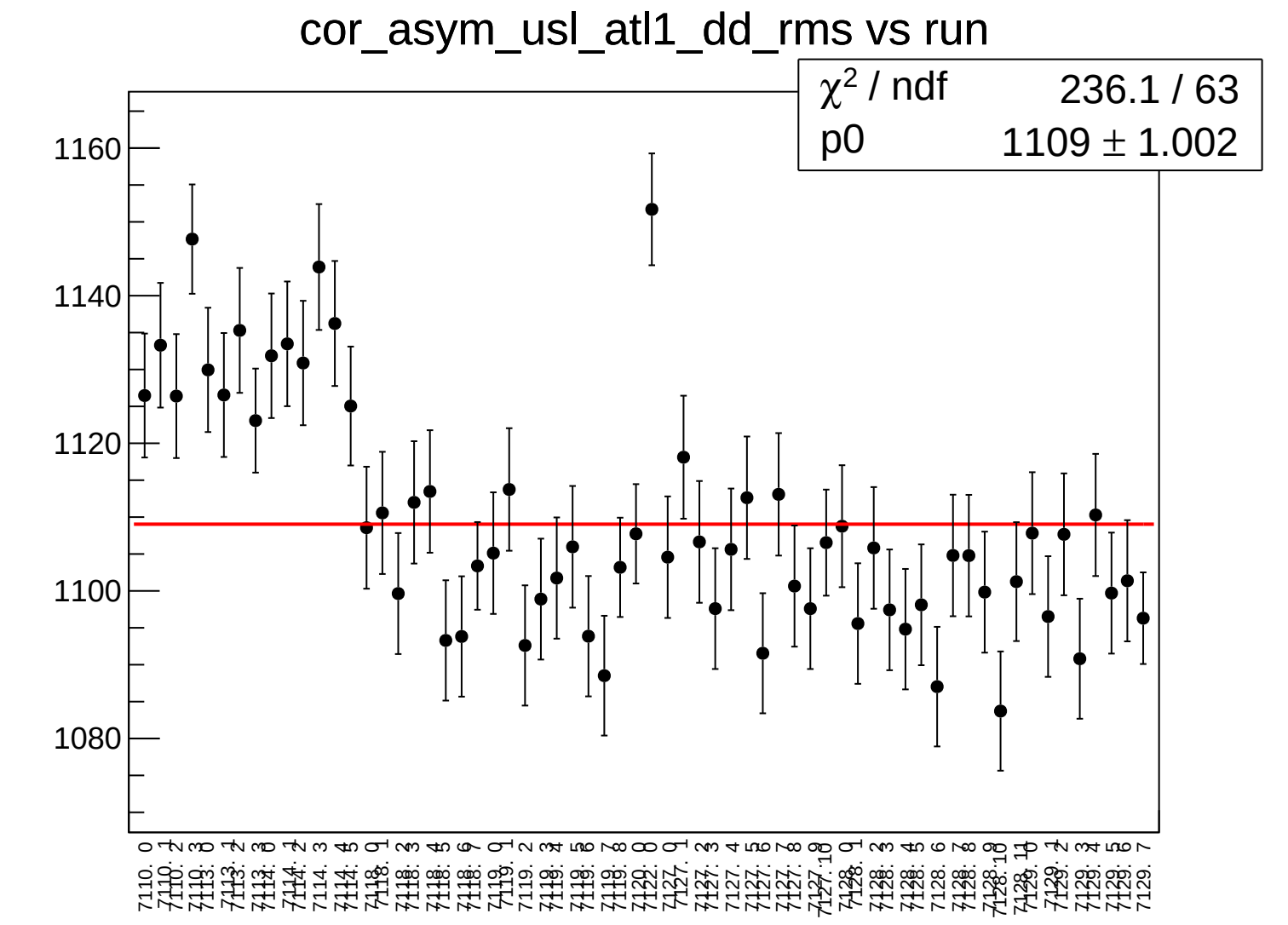

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 60.2 / 63
p0 −1498 ± 766.8
pull
Entries 64
Mean −7928
Std Dev 0

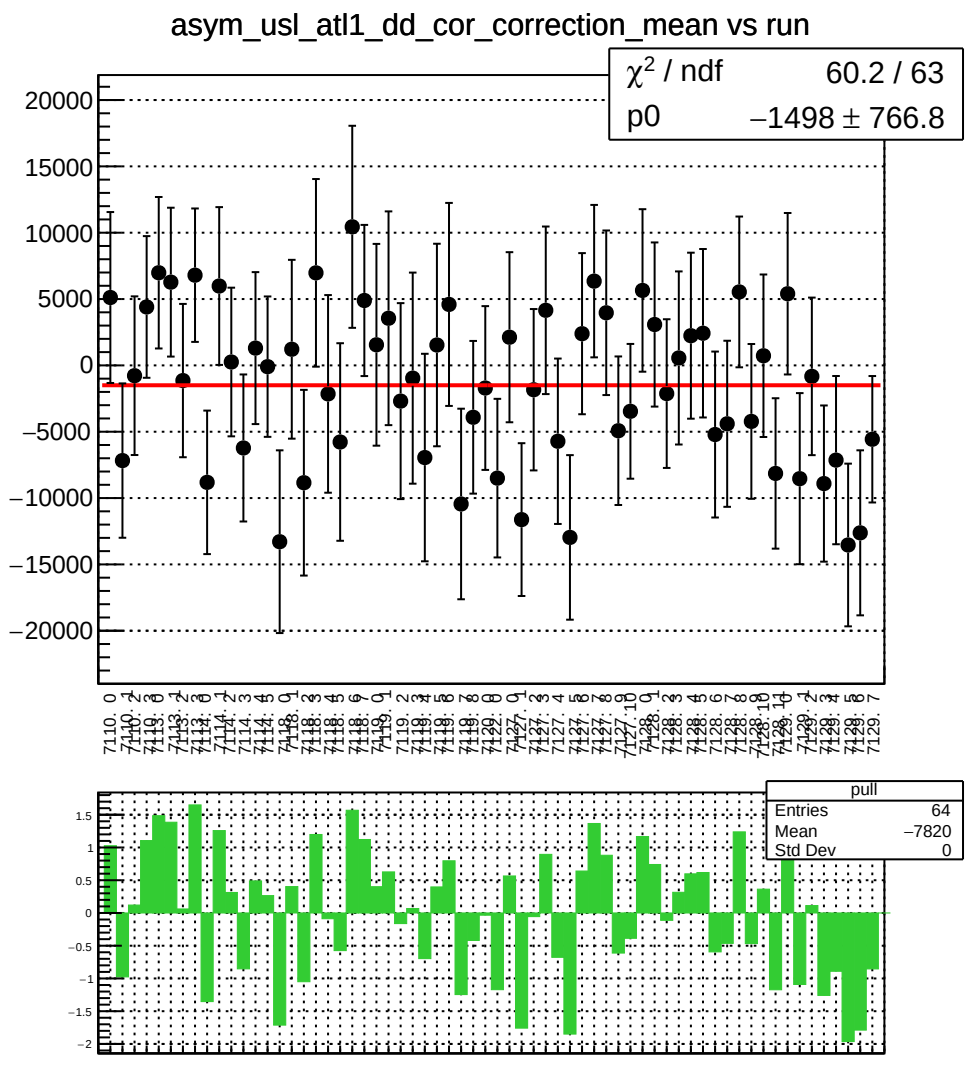

pull1D
Entries 64
Mean 0.0006596
Std Dev 0.9698

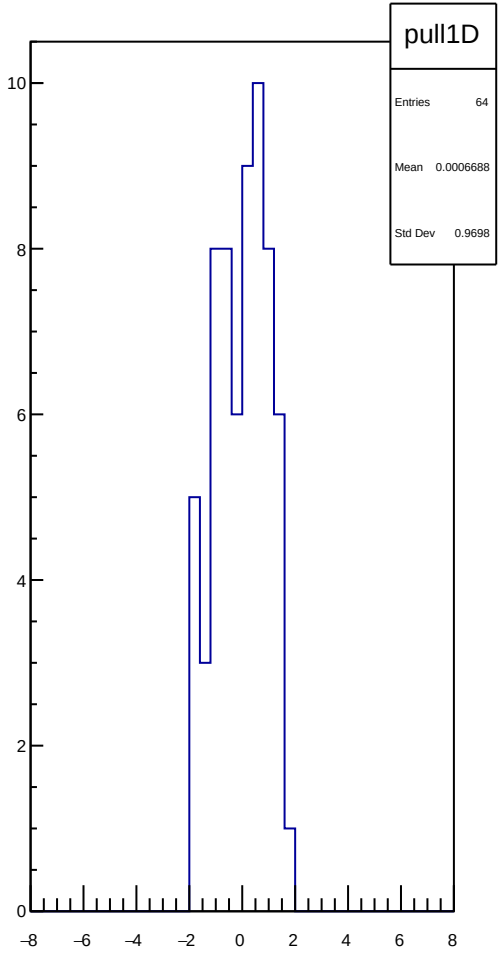

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 1.367e+04 / 63
p0 597 ± 0.5422
750
700
650
600
550
500

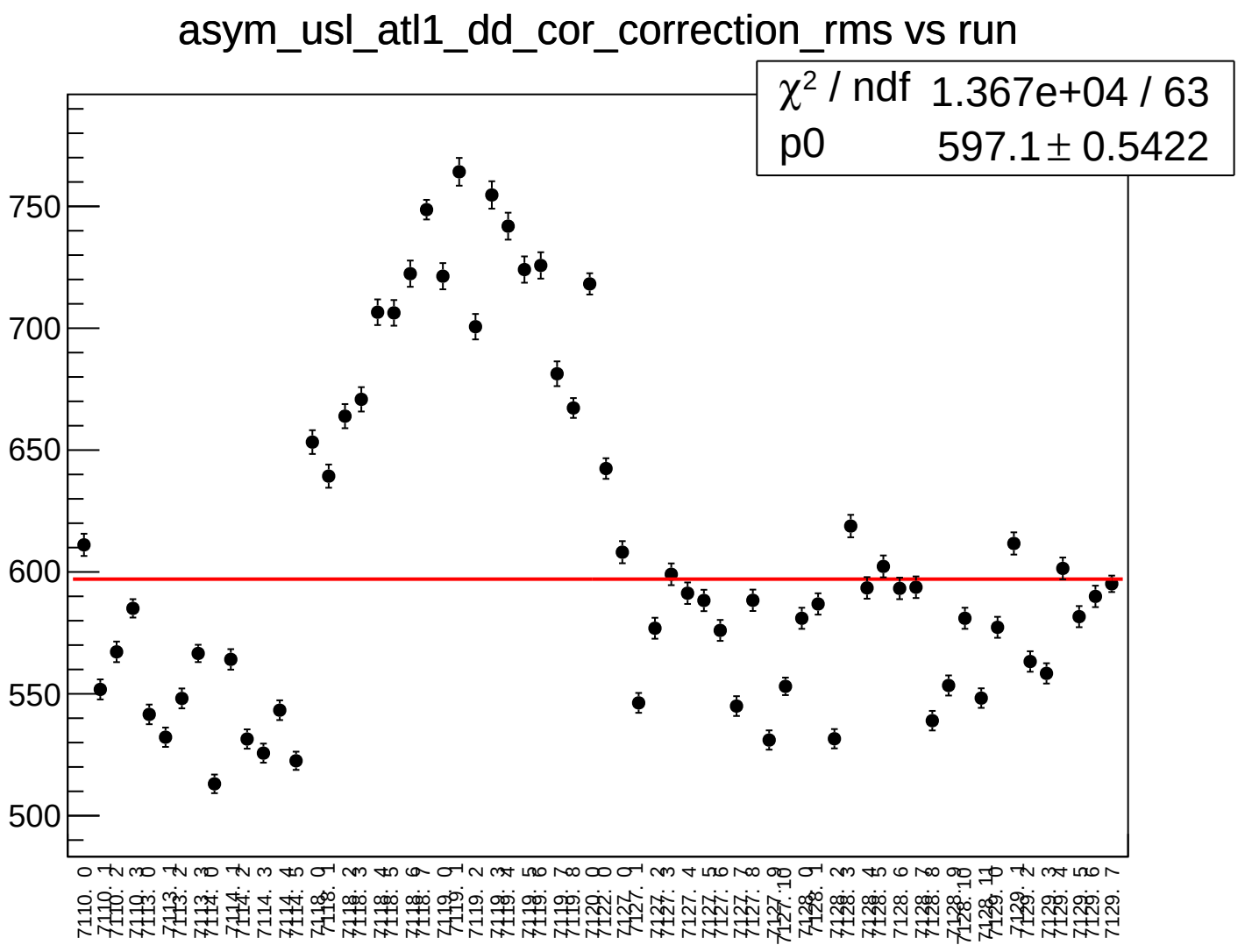

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 59.16 / 63
p0 615.5 ± 1417
pull
Entries 64
Mean −307.6
Std Dev 0

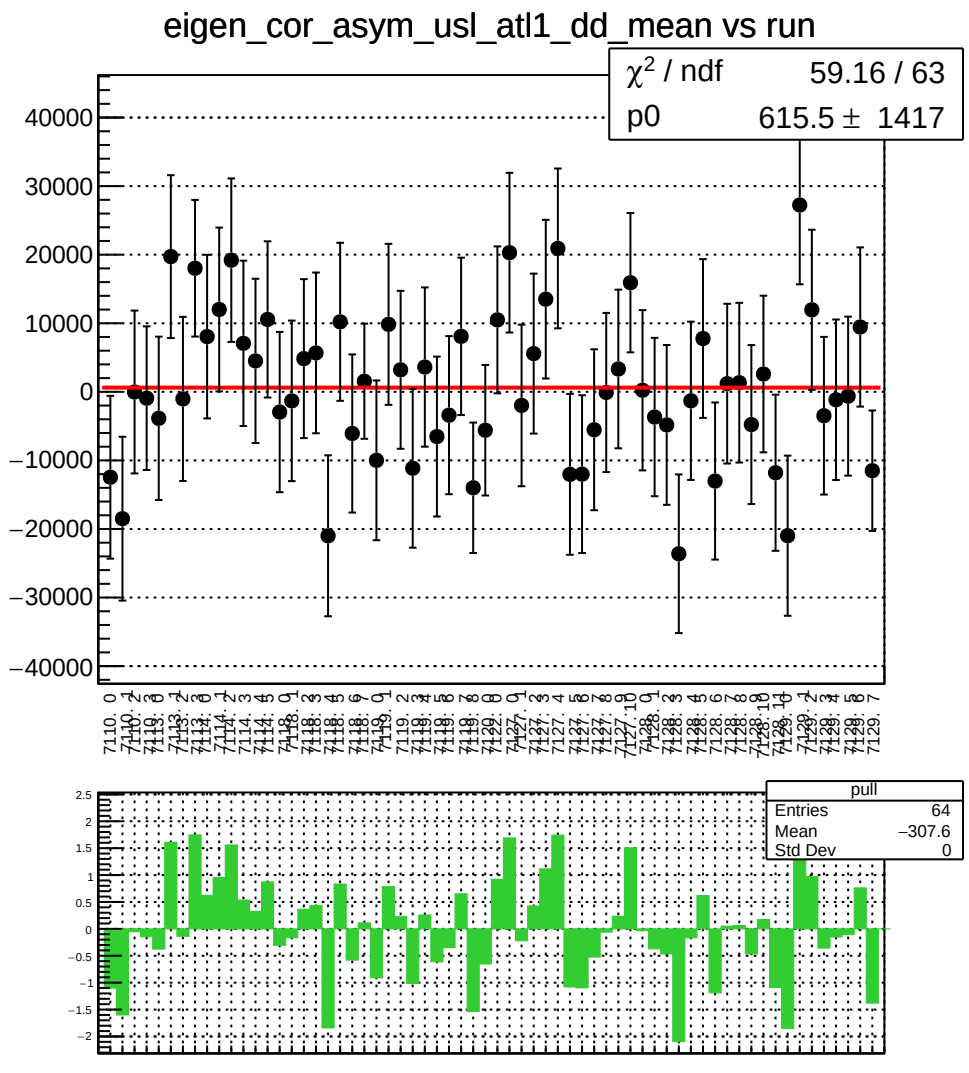

pull1D
Entries 64
Mean 0.005856
Std Dev 0.9614

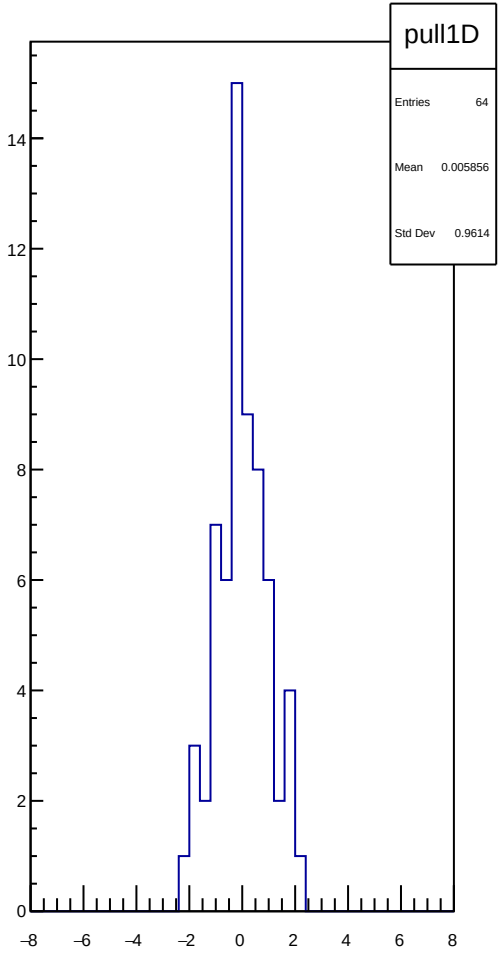

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 236.1 / 63
p0 1109 ± 1.002
1160
1140
1120
1100
1080

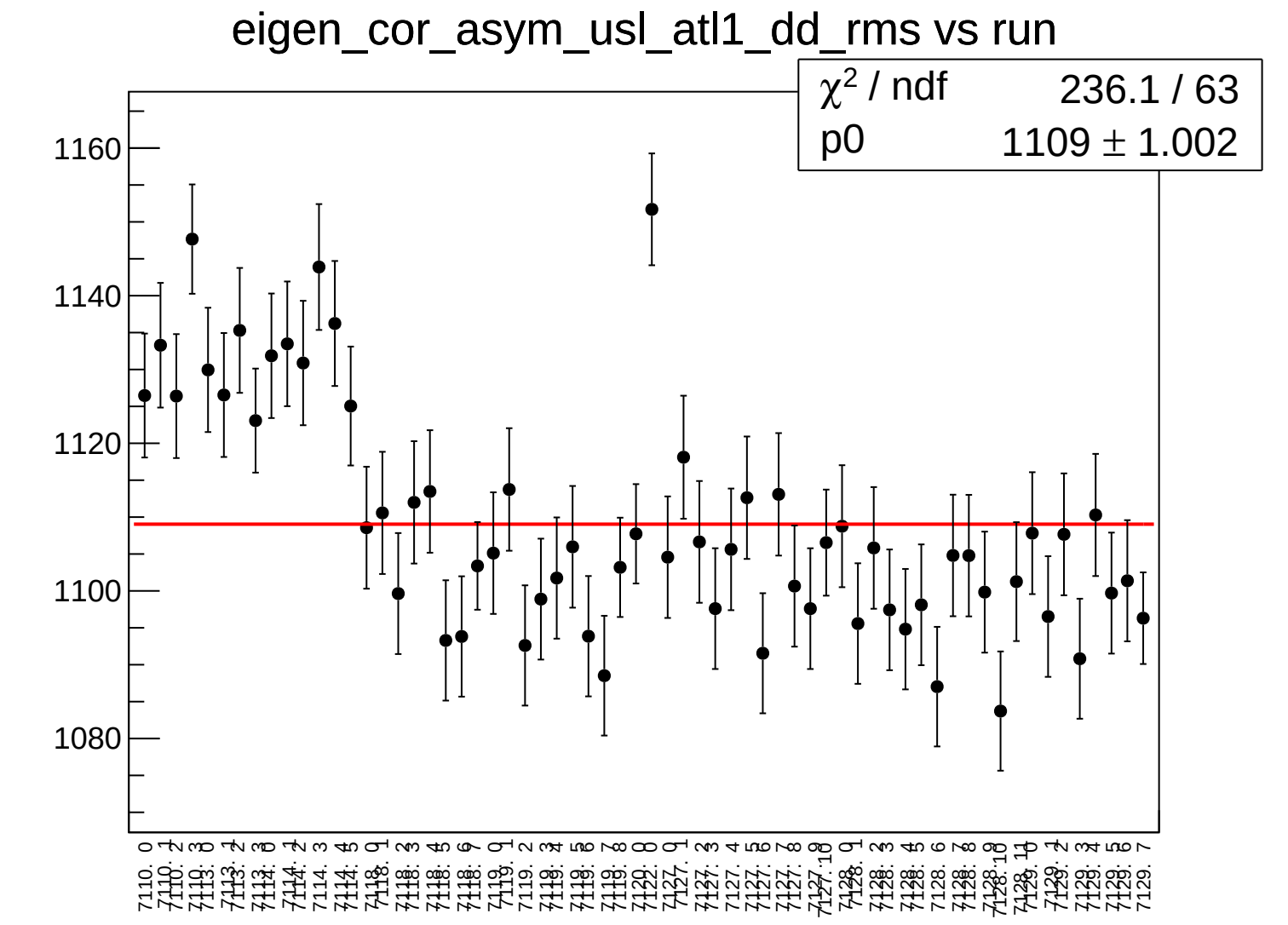

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 60.2 / 63
p0 −1498 ± 766.8
pull
Entries 64
Mean −7820
Std Dev 0

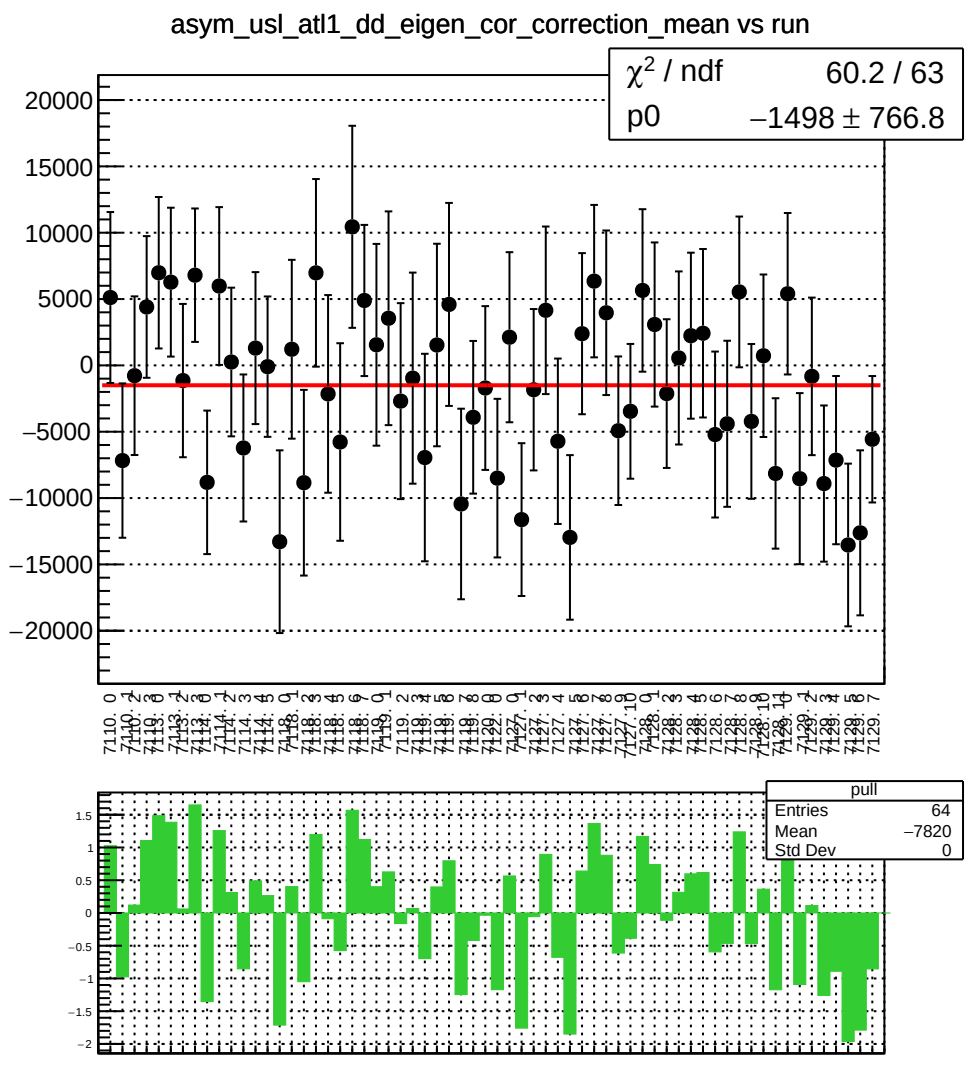

pull1D
Entries 64
Mean 0.0006688
Std Dev 0.9698

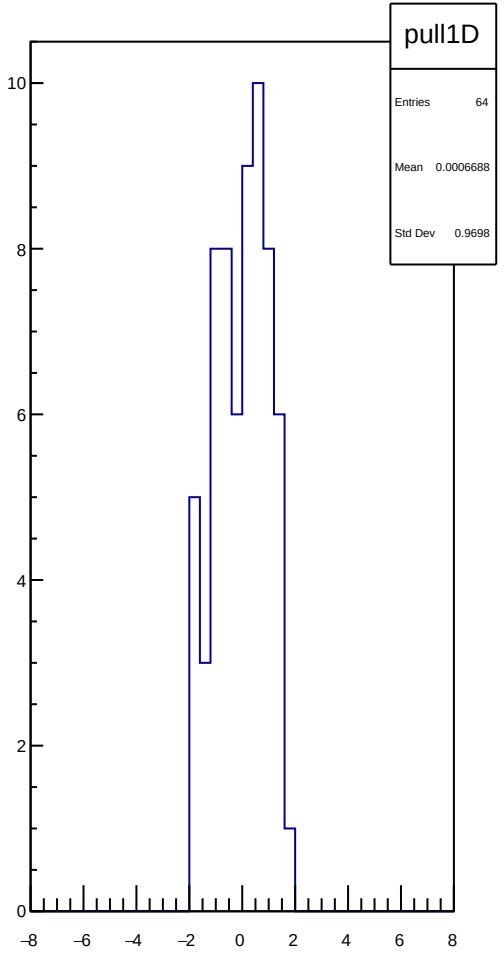

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 1.367e+04 / 63
p0 597.1 ± 0.5422
750
700
650
600
550
500

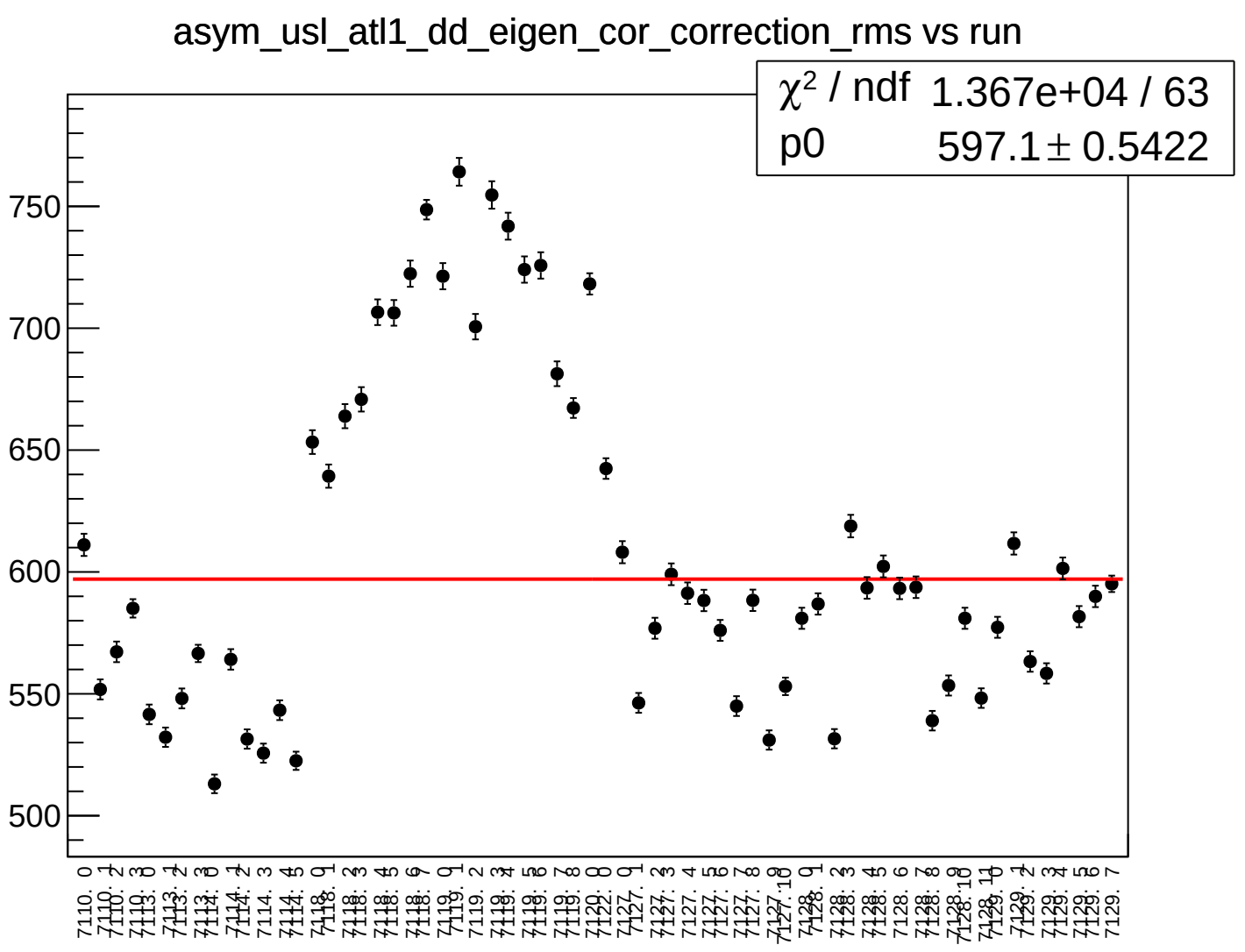

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 59.16 / 63
p0 615.5 ± 1417
pull
Entries 64
Mean −307.6
Std Dev 0

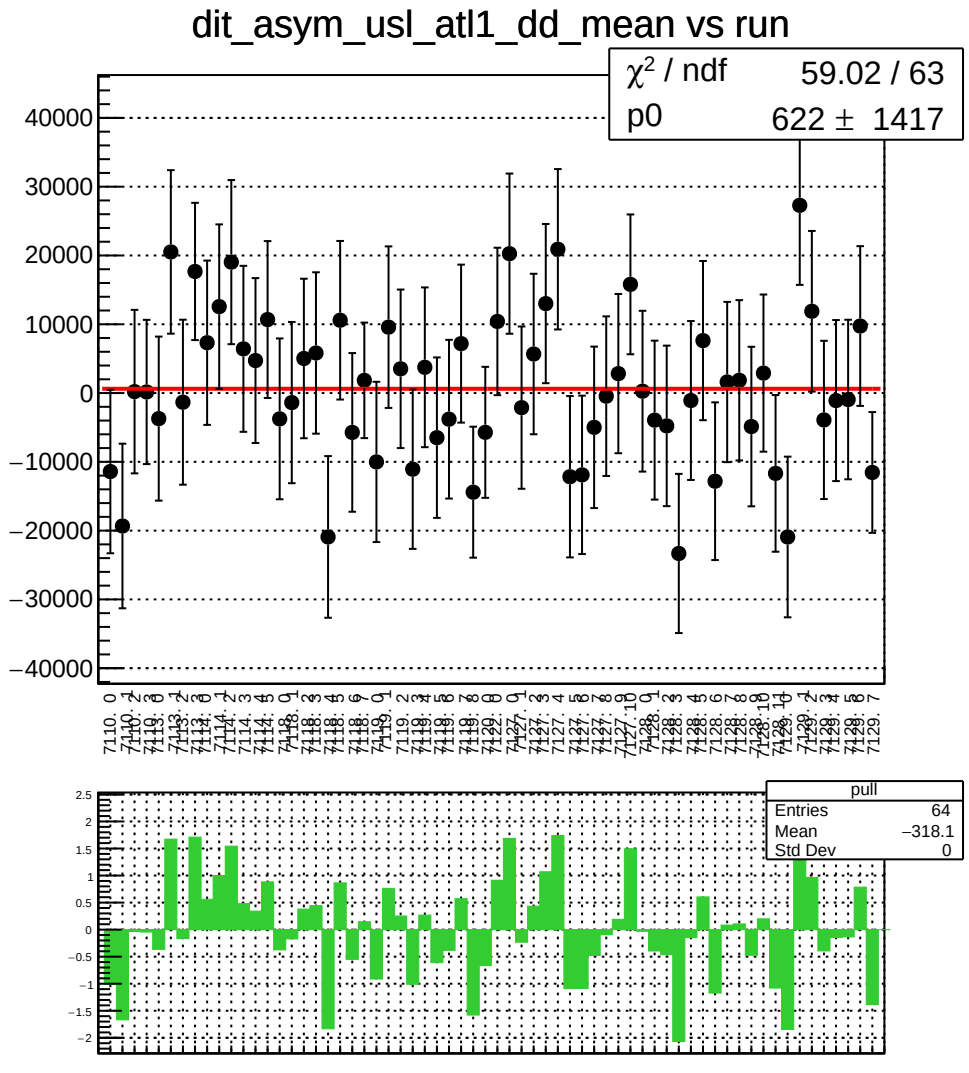

pull1D
Entries 64
Mean 0.005856
Std Dev 0.9614

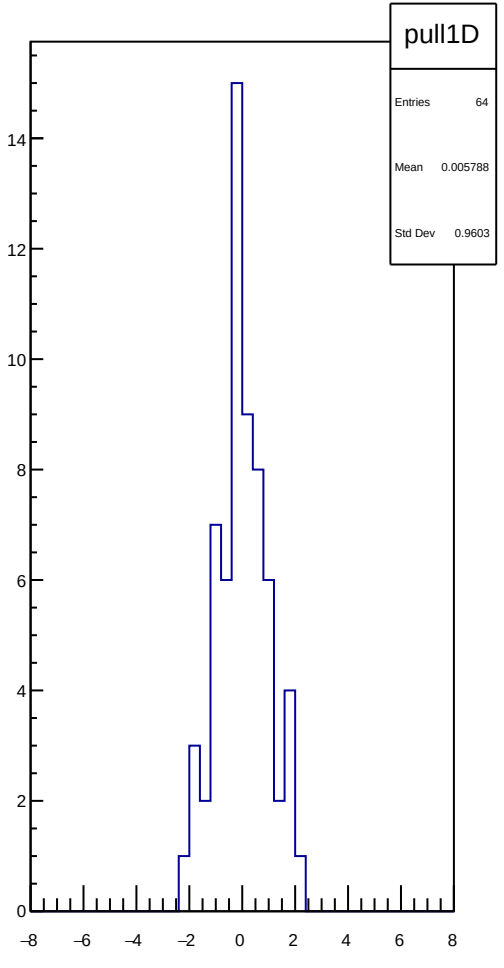

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 236.1 / 63
p0 1109 ± 1.002
1160
1140
1120
1100
1080

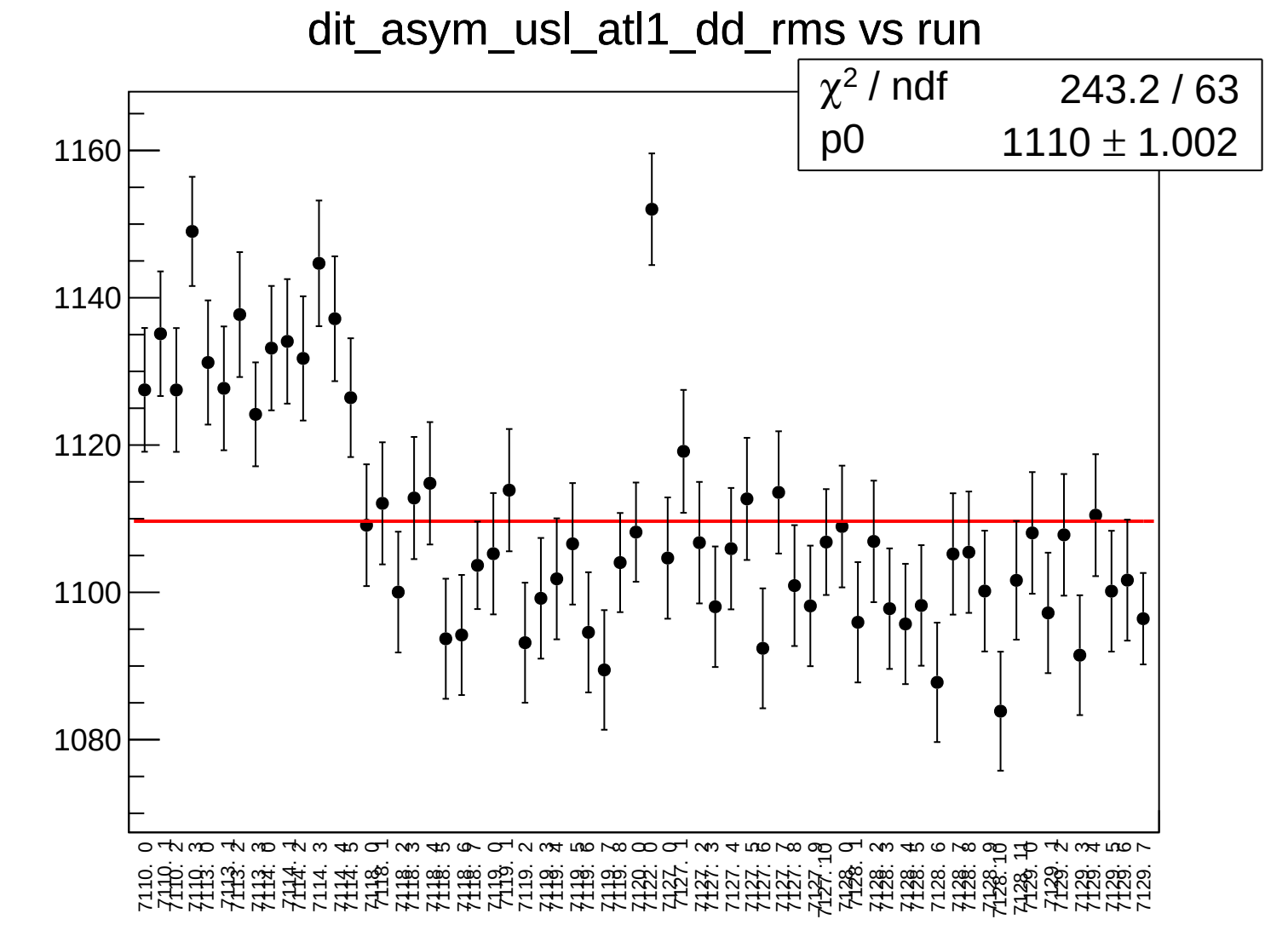

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.2 / 63
p0 −1498 ± 766.8
pull
Entries 64
Mean −7820
Std Dev 0

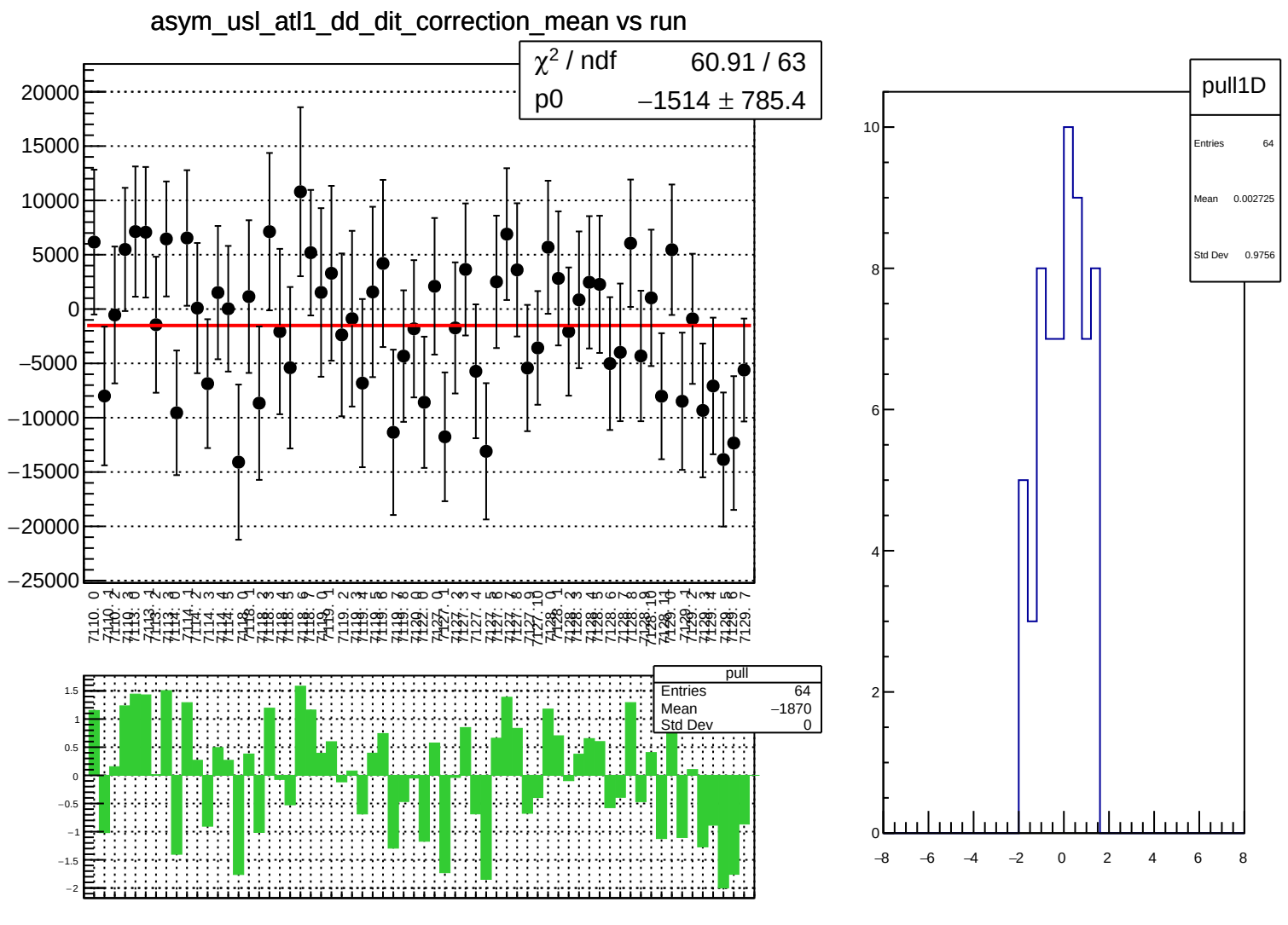

pull1D
Entries 64
Mean 0.0006688
Std Dev 0.9698

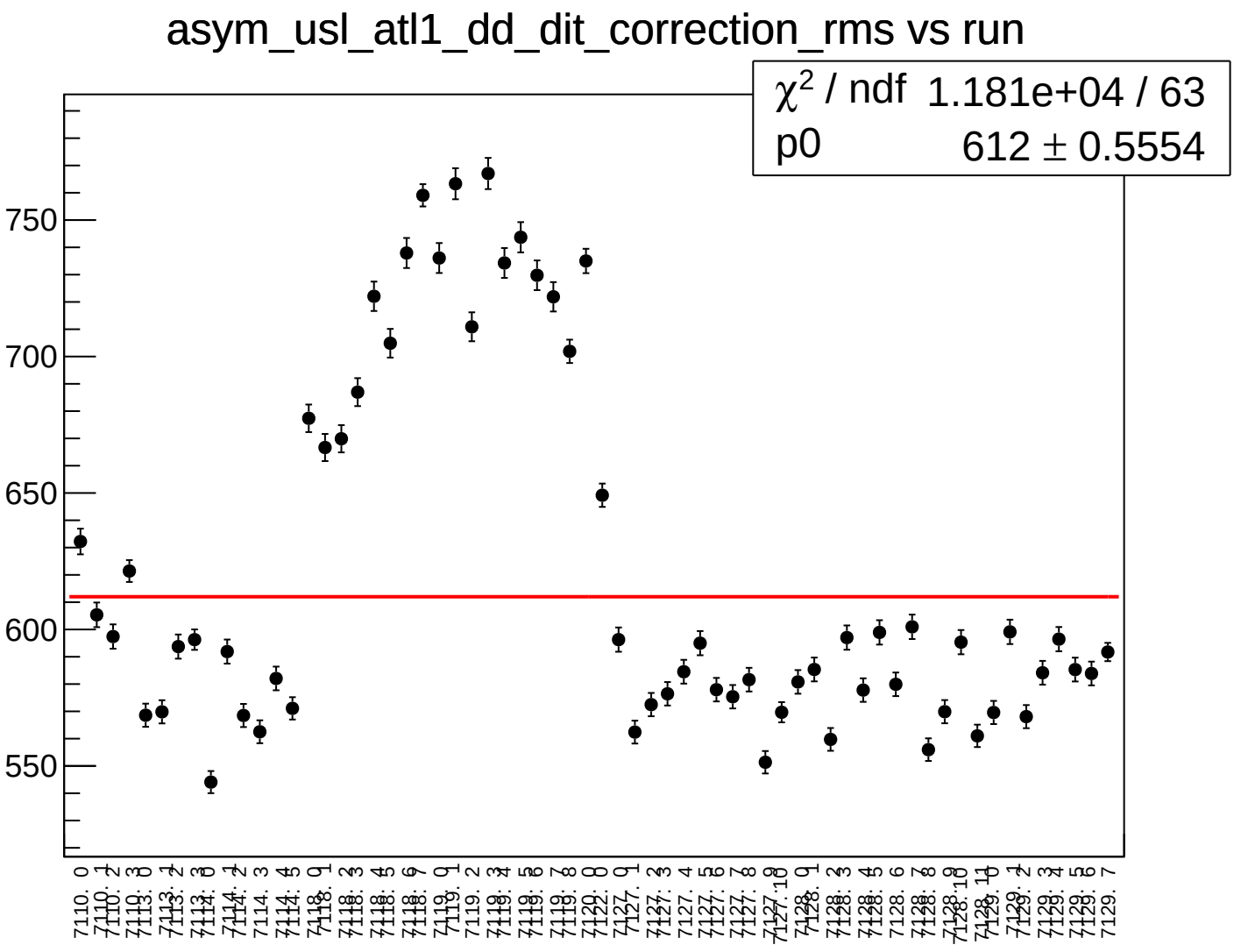

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.367e+04 / 63
p0 597.1 ± 0.5422
750
700
650
600
550
500

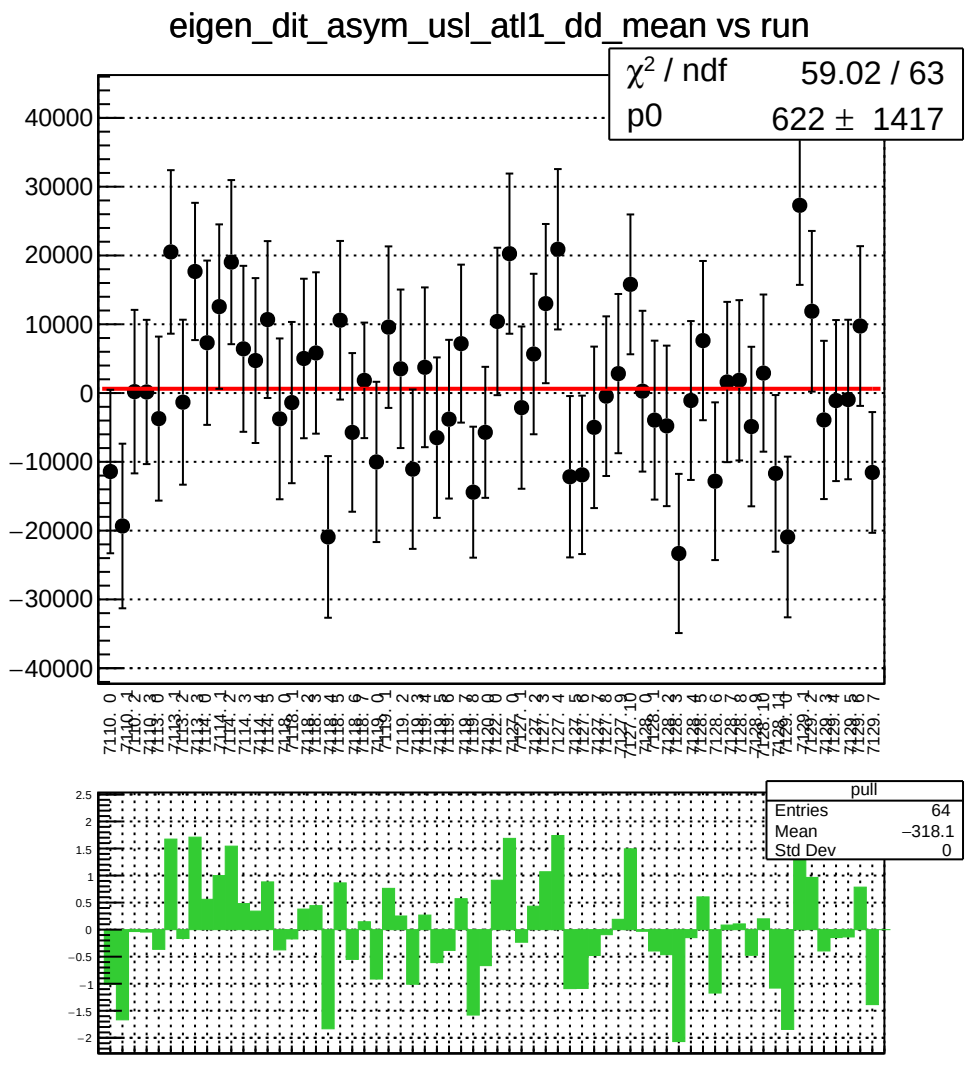

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 59.02 / 63
p0 622 ± 1417
pull
Entries 64
Mean −318.1
Std Dev 0

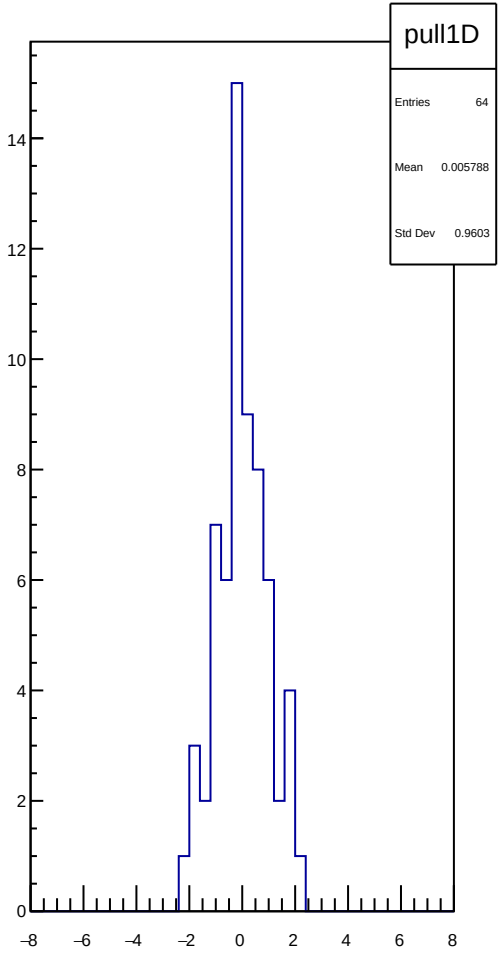

pull1D
Entries 64
Mean 0.005788
Std Dev 0.9603

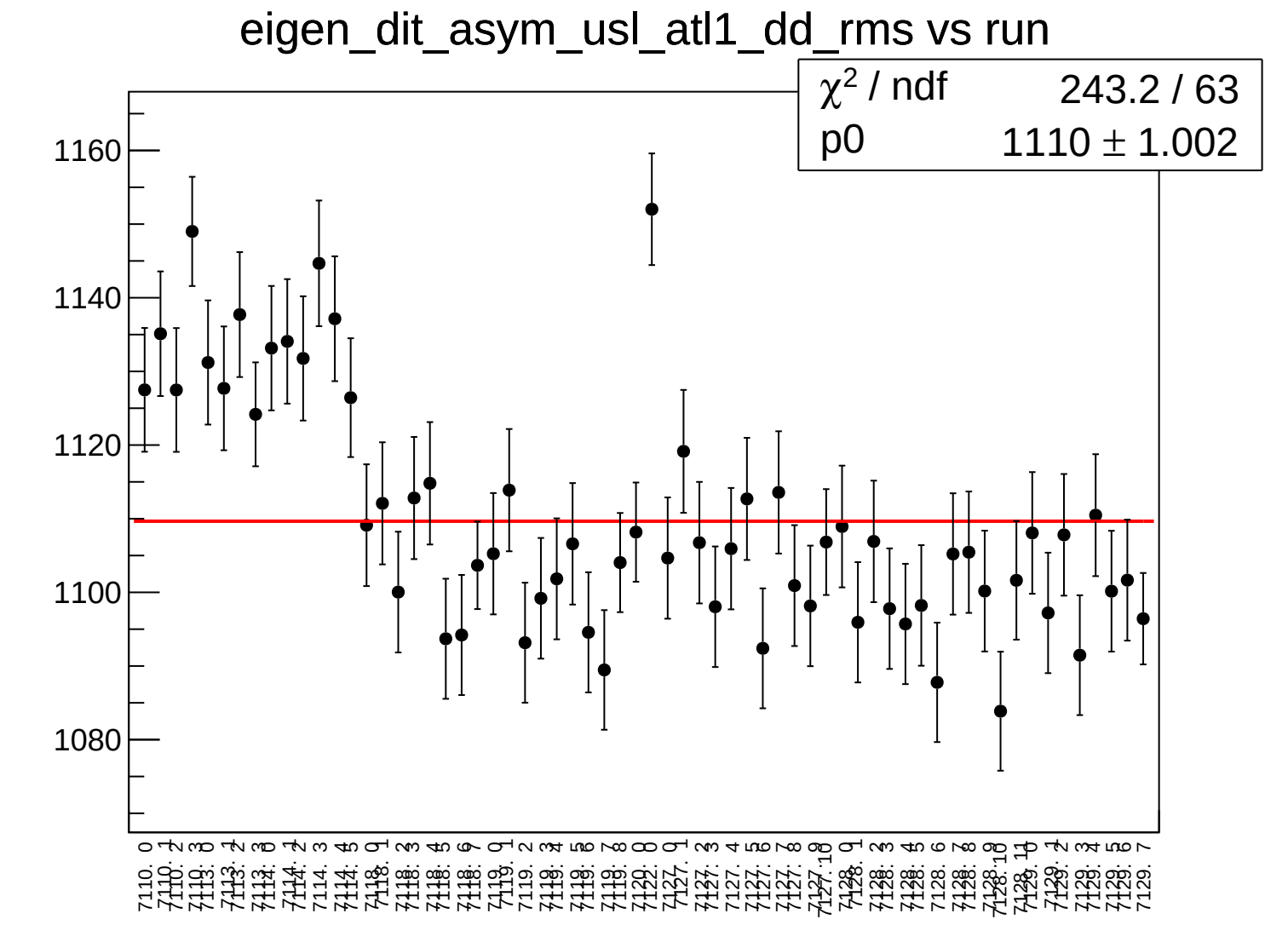

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 243.2 / 63
p0 1110 ± 1.002
1160
1140
1120
1100
1080

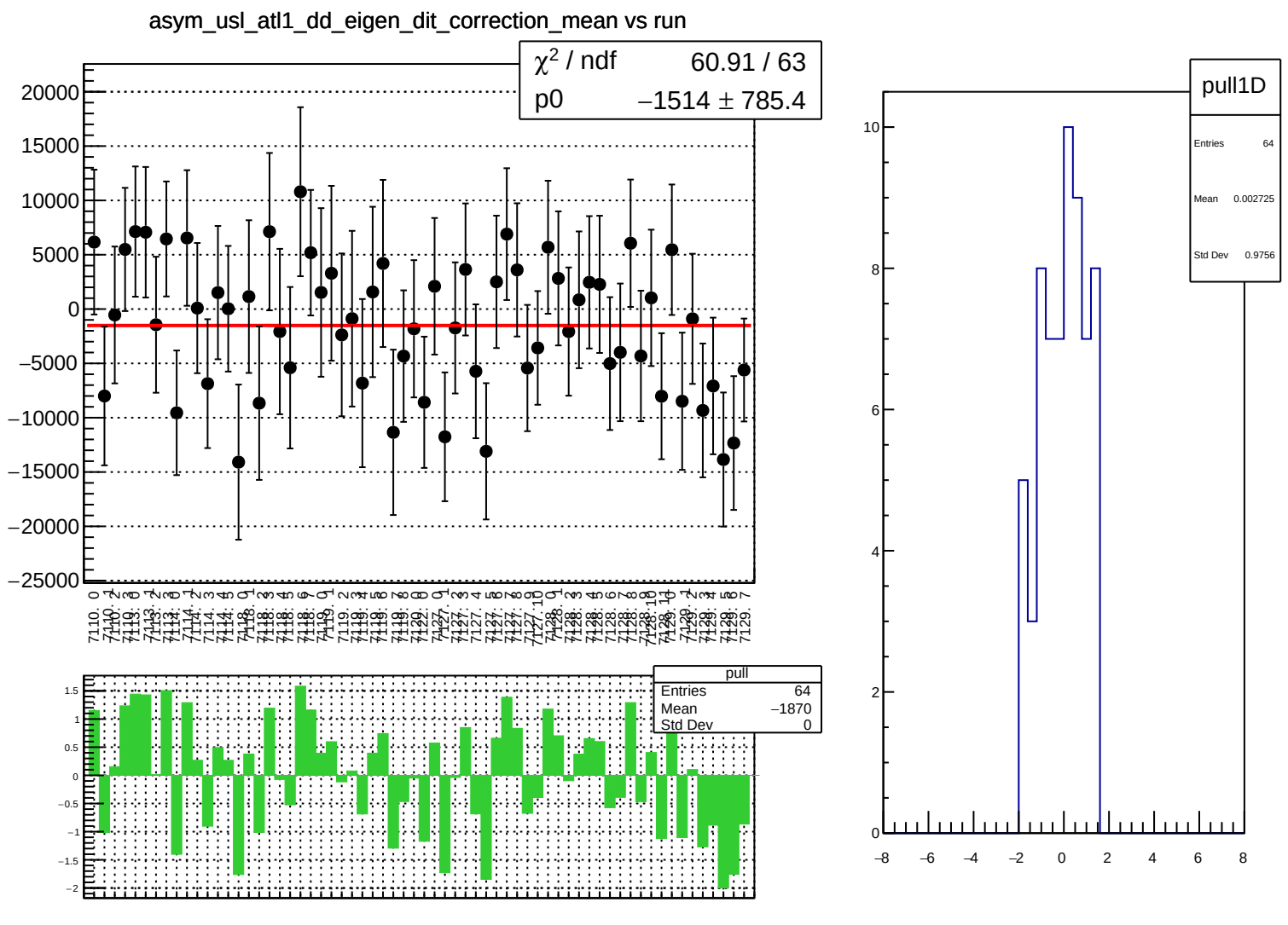

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 60.91 / 63
p0 −1514 ± 785.4
pull
Entries 64
Mean −1870
Std Dev 0
pull1D
Entries 64
Mean 0.002725
Std Dev 0.9756

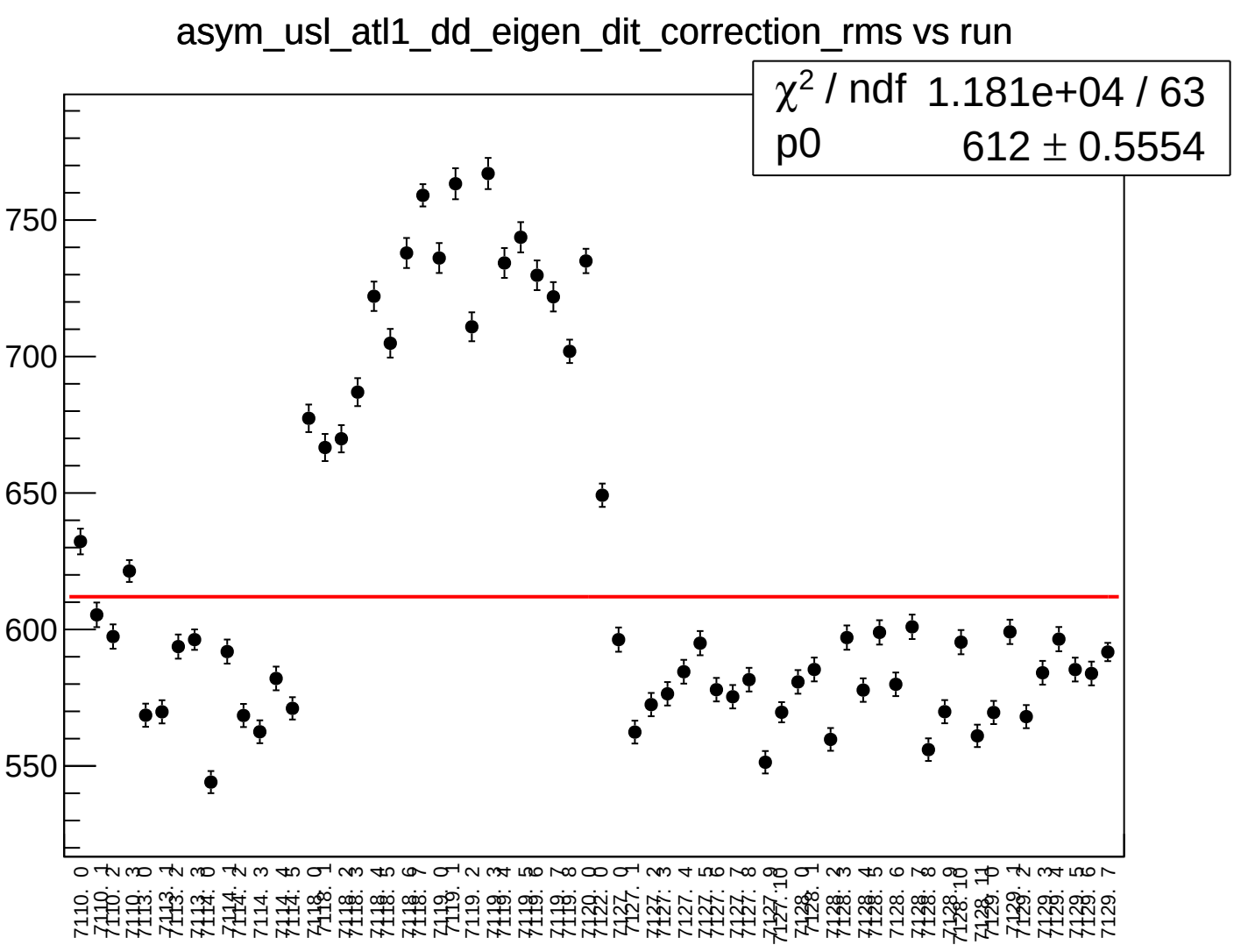

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 1.181e+04 / 63
p0 612 ± 0.5554
750
700
650
600
550

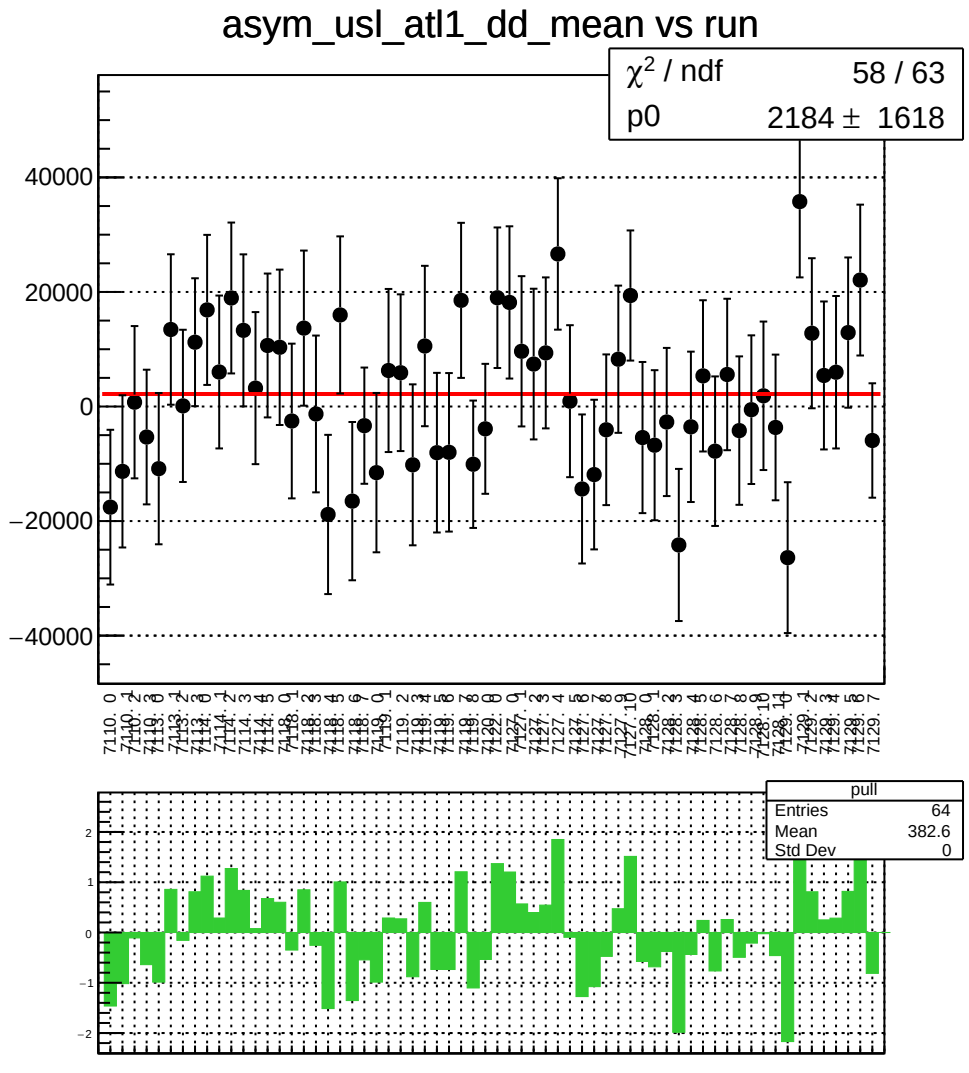

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 59.02 / 63
p0 622 ± 1417
pull
Entries 64
Mean −318.1
Std Dev 0

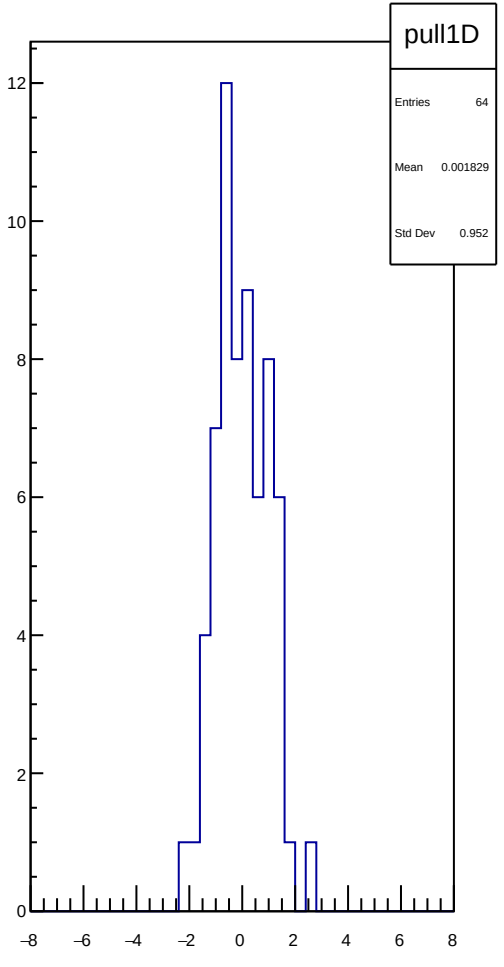

pull1D
Entries 64
Mean 0.005788
Std Dev 0.9603

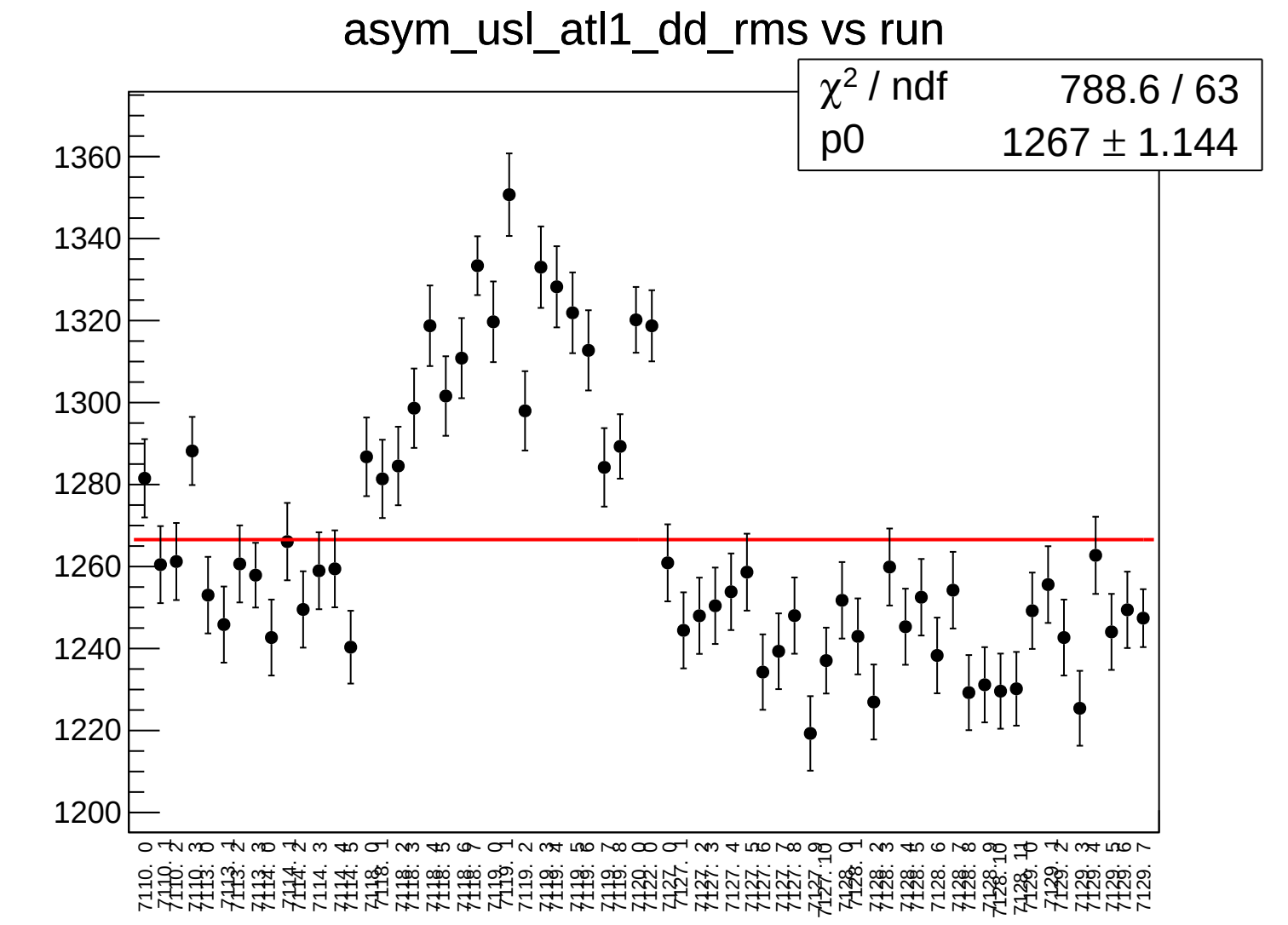

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 243.2 / 63
p0 1110 ± 1.002
1160
1140
1120
1100
1080

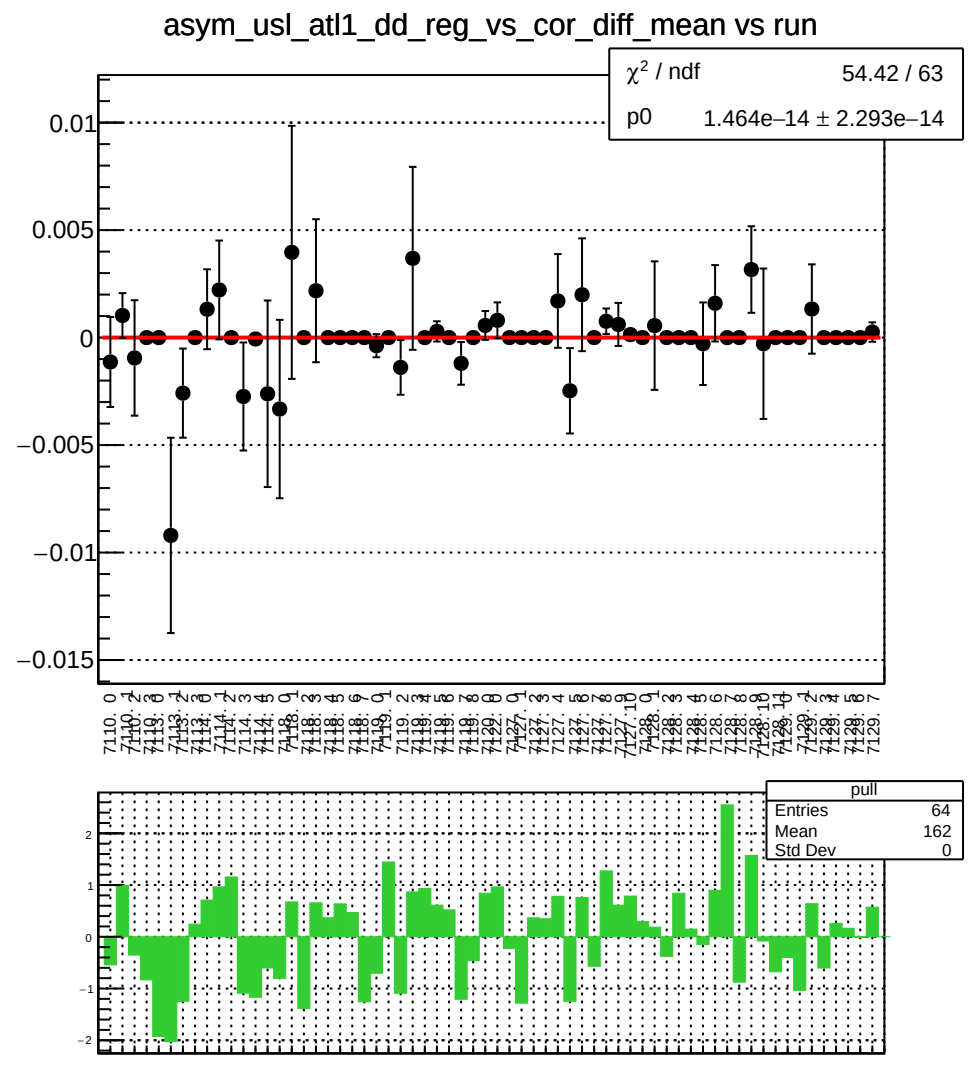

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.91 / 63
p0 −1514 ± 785.4
pull
Entries 64
Mean −1870
Std Dev 0
pull1D
Entries 64
Mean 0.002725
Std Dev 0.9756

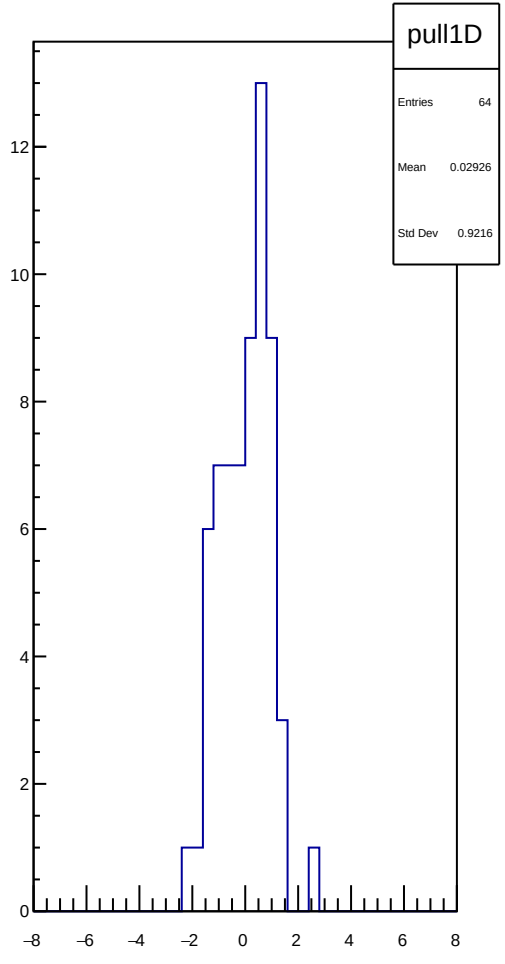

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.181e+04 / 63
p0 612 ± 0.5554
750
700
650
600
550

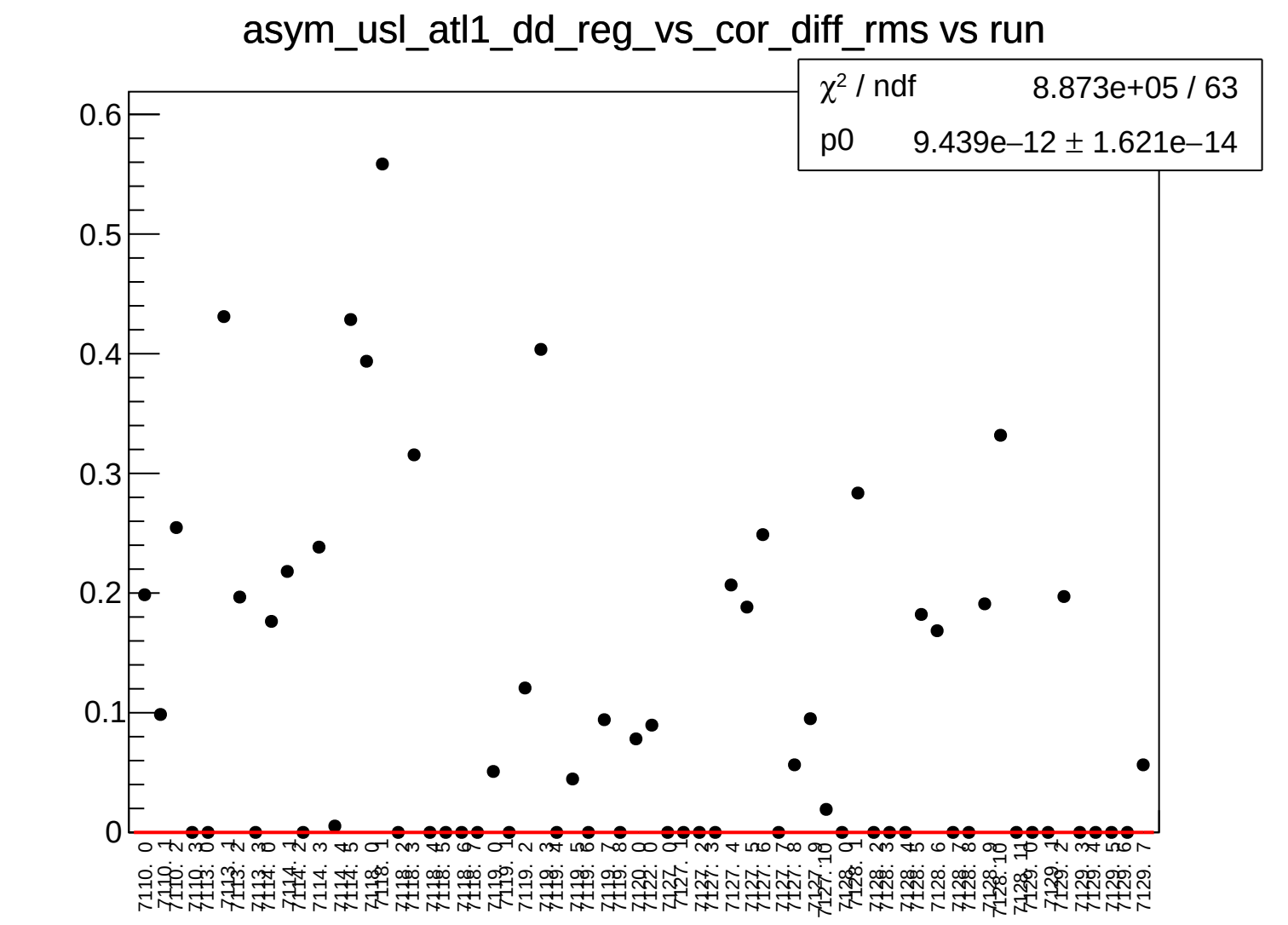

asym_usl_atl1_dd_mean vs run
χ² / ndf 58 / 63
p0 2184 ± 1618
40000
20000
0
−20000
−40000
pull
Entries 64
Mean 382.6
Std Dev 0
2
1
0
−1
−2

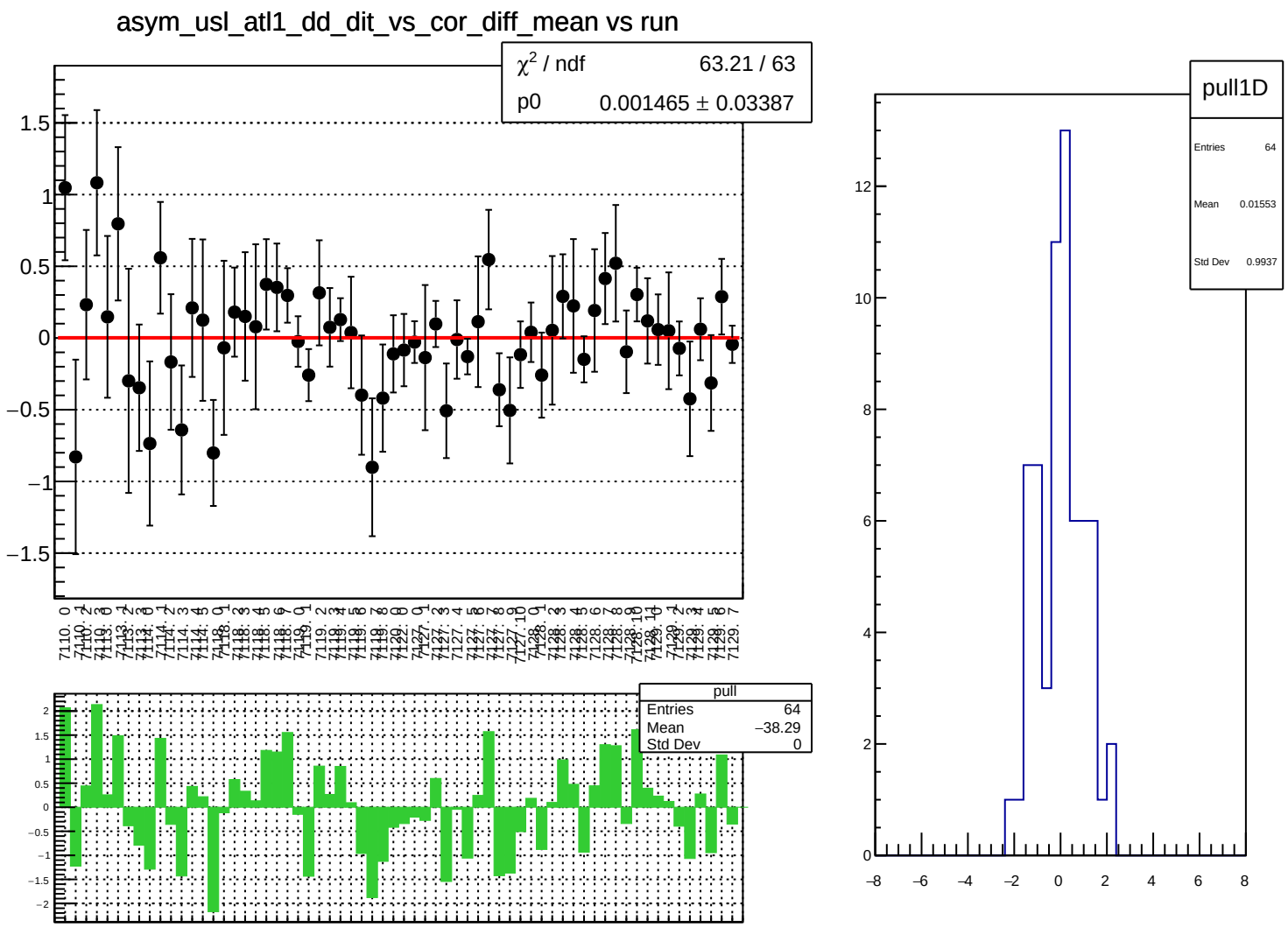

pull1D
Entries 64
Mean 0.001829
Std Dev 0.952
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

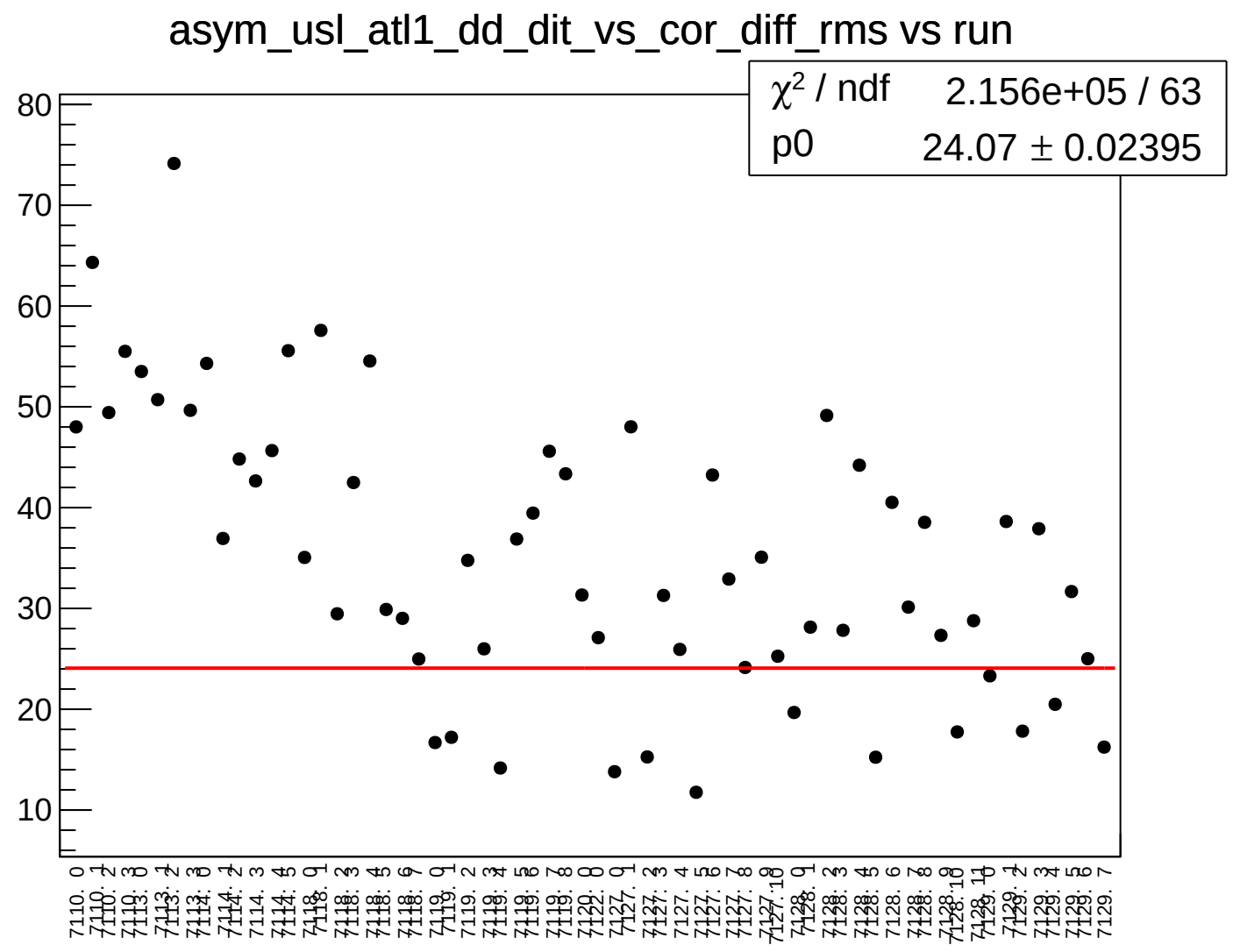

asym_usl_atl1_dd_rms vs run
χ² / ndf 788.6 / 63
p0 1267 ± 1.144
1360
1340
1320
1300
1280
1260
1240
1220
1200

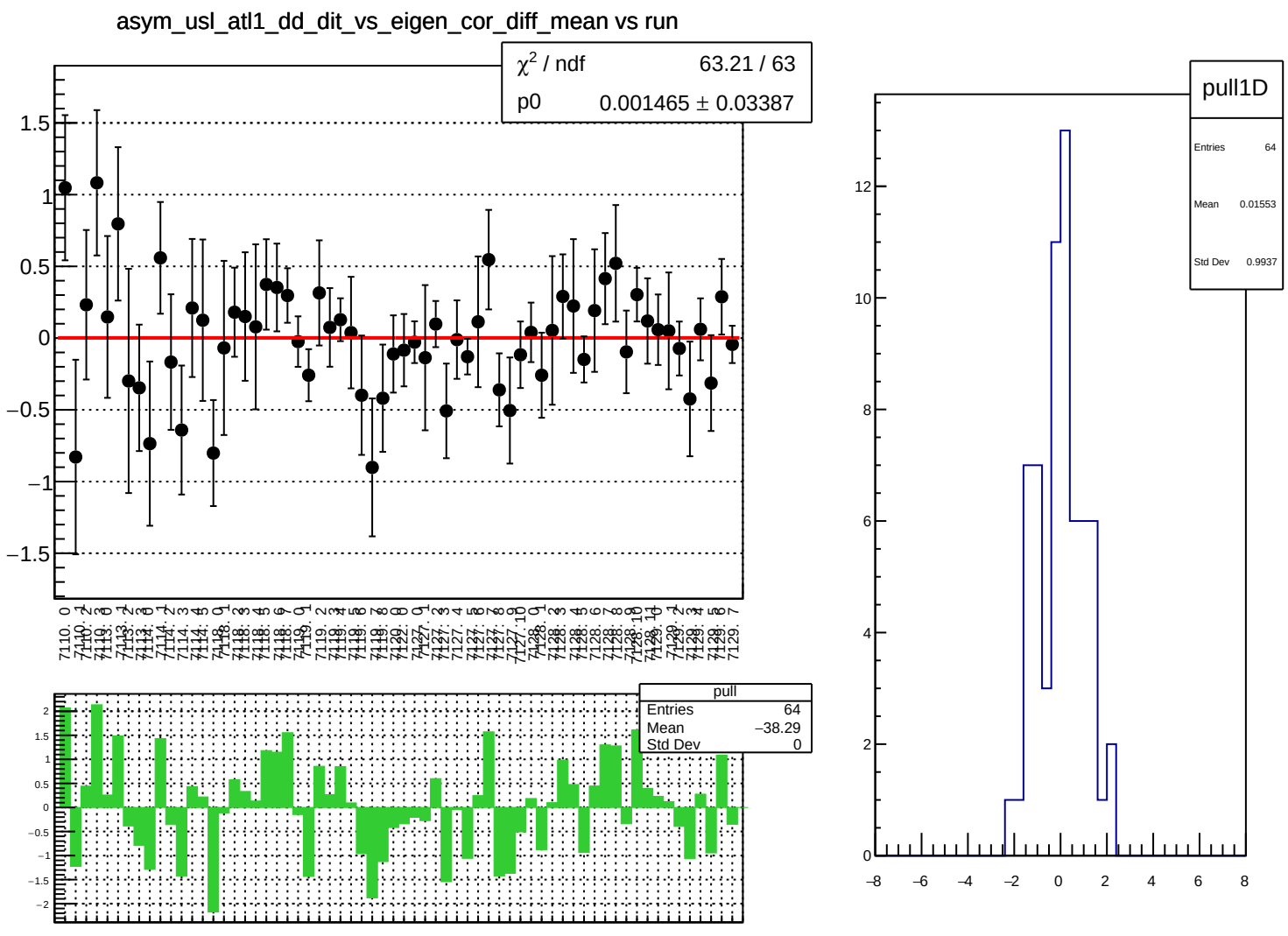

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.42 / 63
p0 1.464e−14 ± 2.293e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 64
Mean 162
Std Dev 0
2
1
0
−1
−2

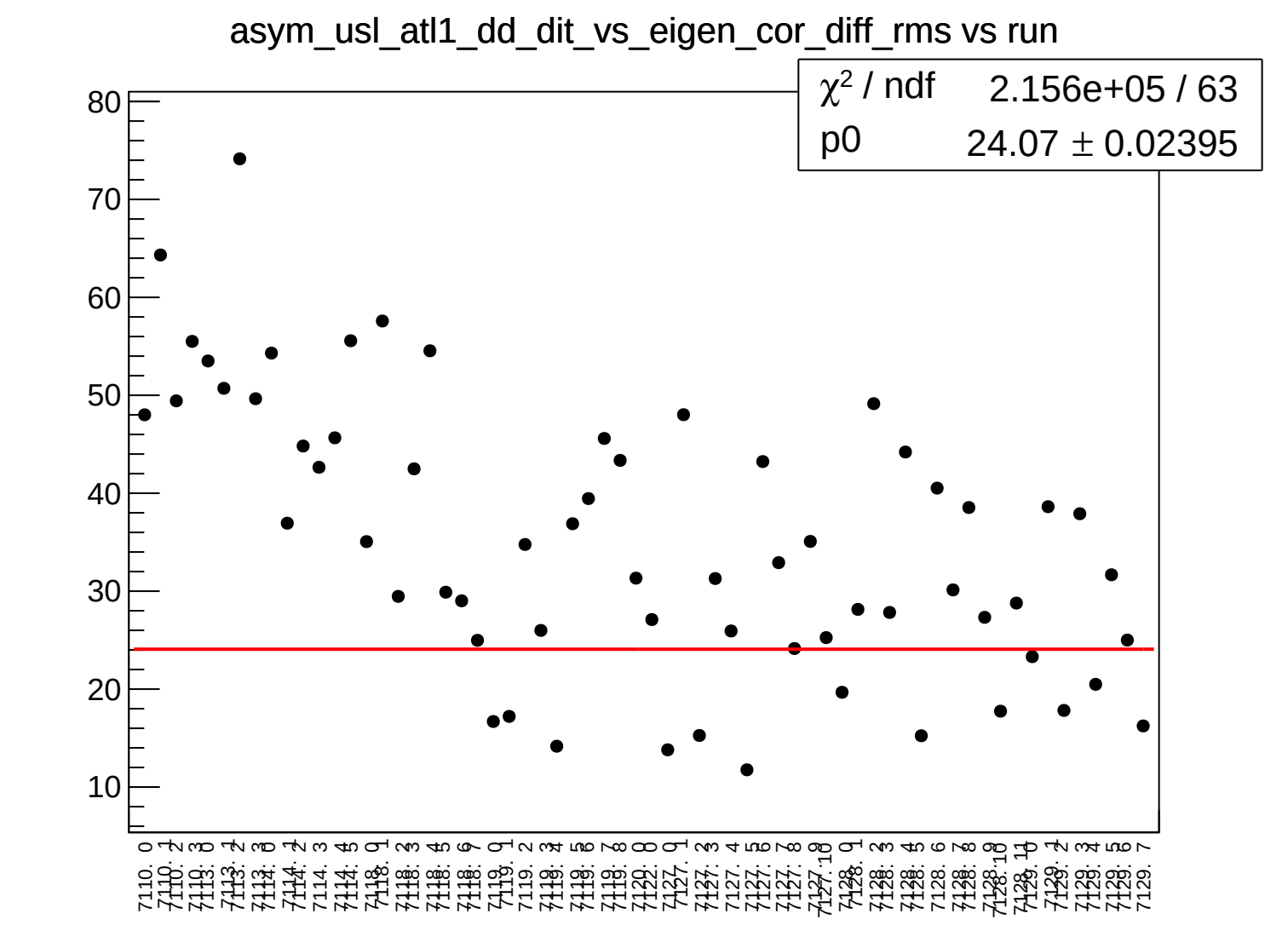

pull1D
Entries 64
Mean 0.02926
Std Dev 0.9216
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

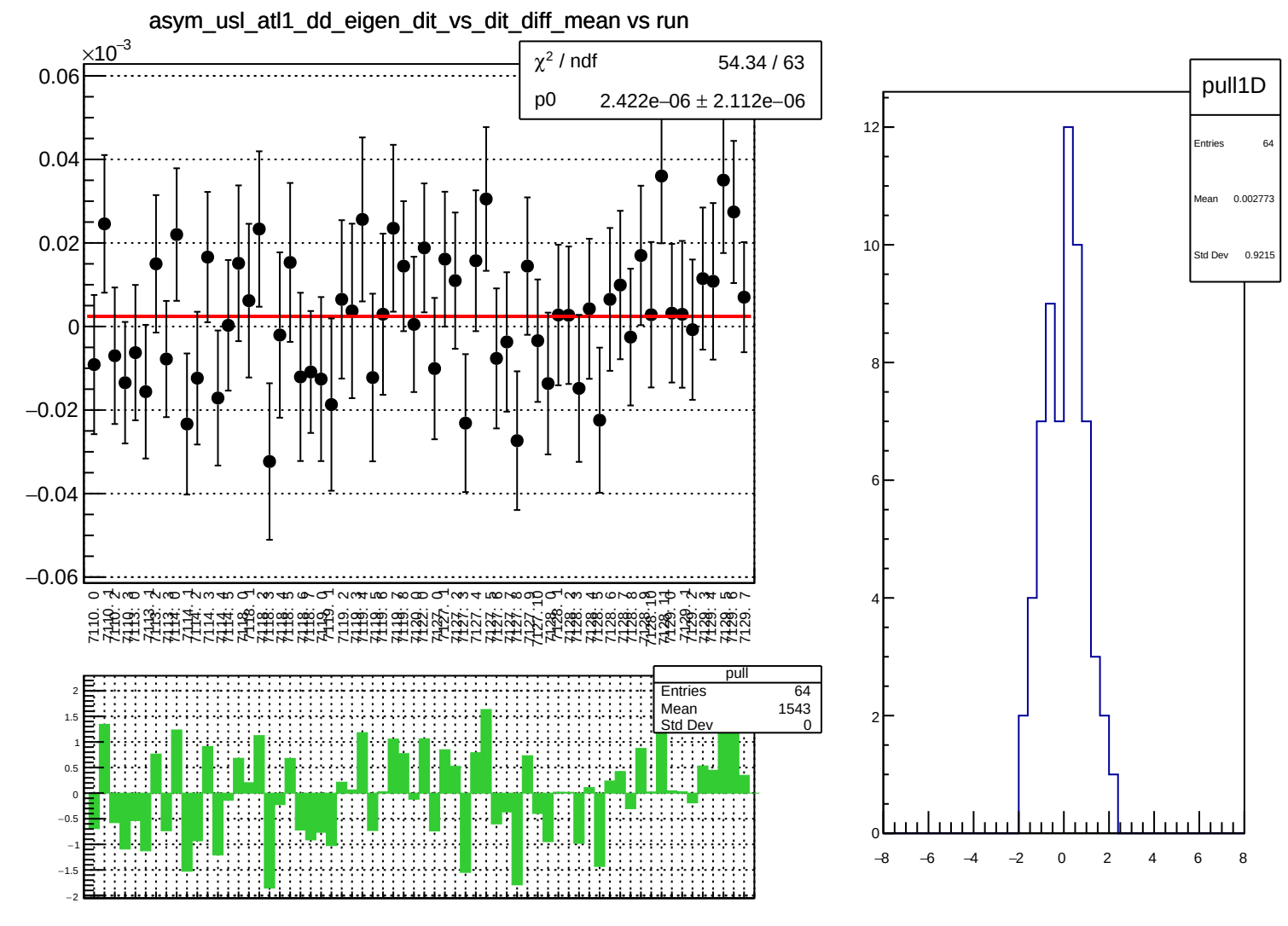

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.873e+05 / 63
p0 9.439e−12 ± 1.621e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

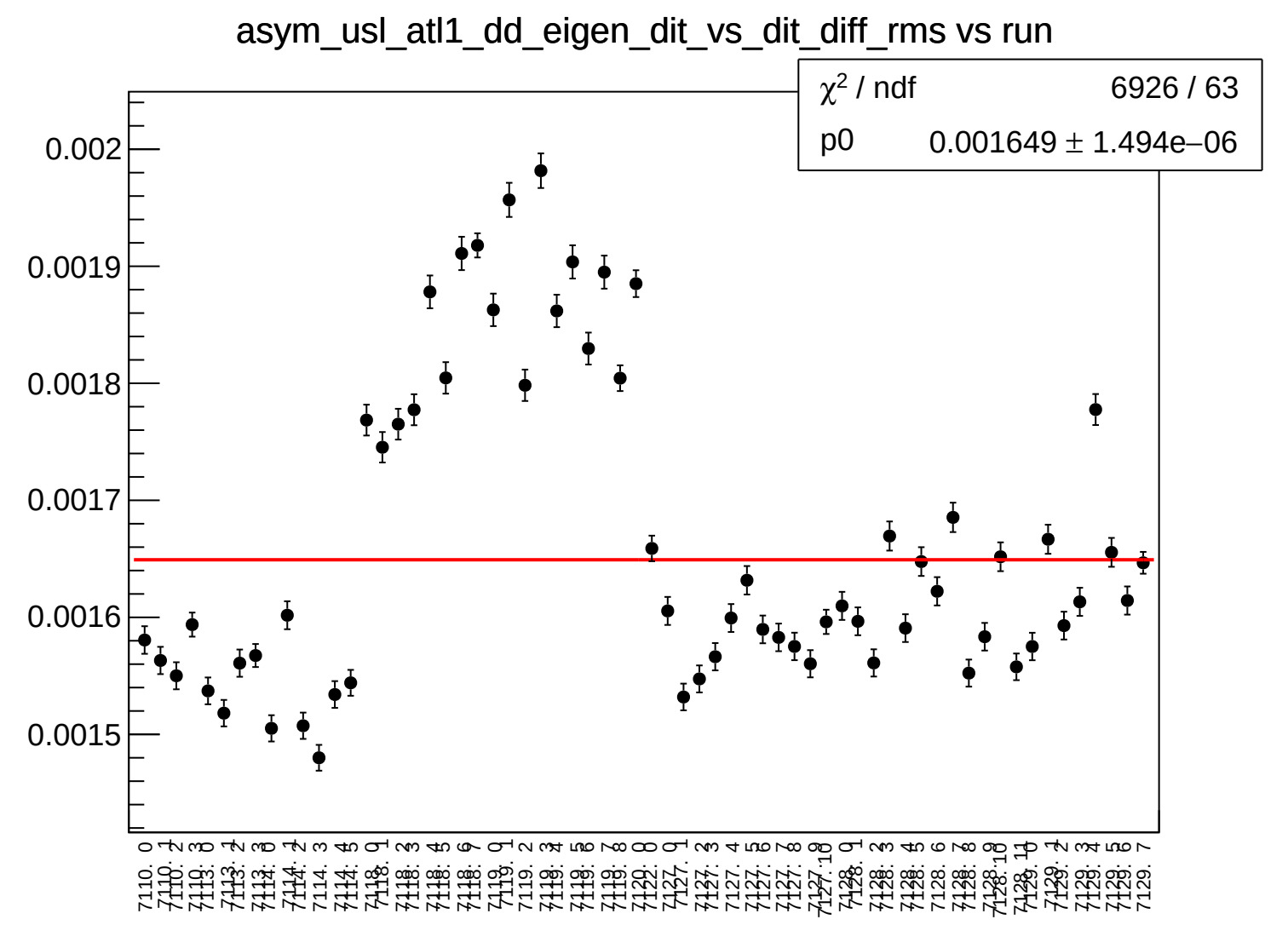

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.21 / 63
p0 0.001465 ± 0.03387
pull
Entries 64
Mean −38.29
Std Dev 0
pull1D
Entries 64
Mean 0.01553
Std Dev 0.9937

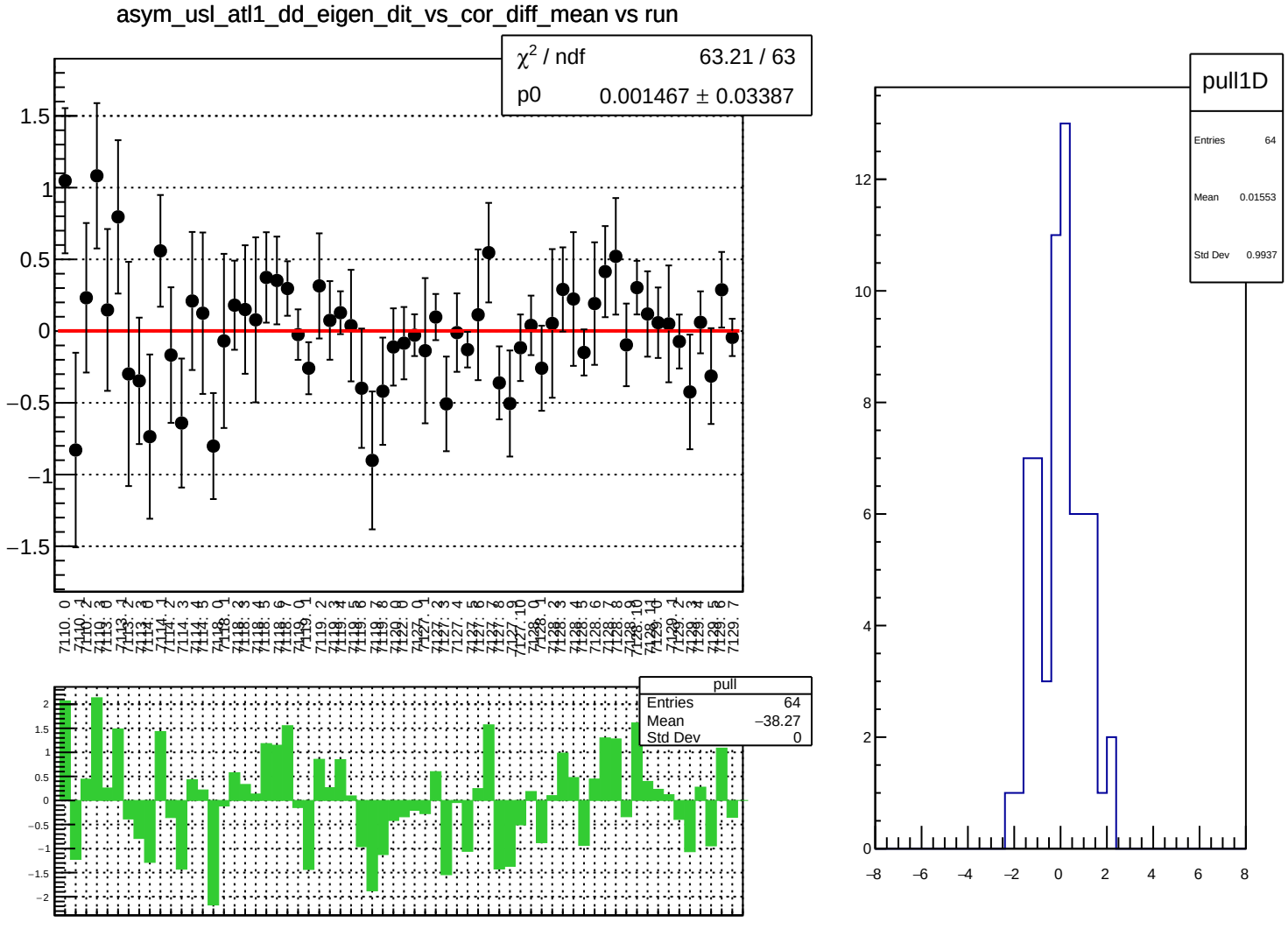

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.156e+05 / 63
p0 24.07 ± 0.02395
80
70
60
50
40
30
20
10

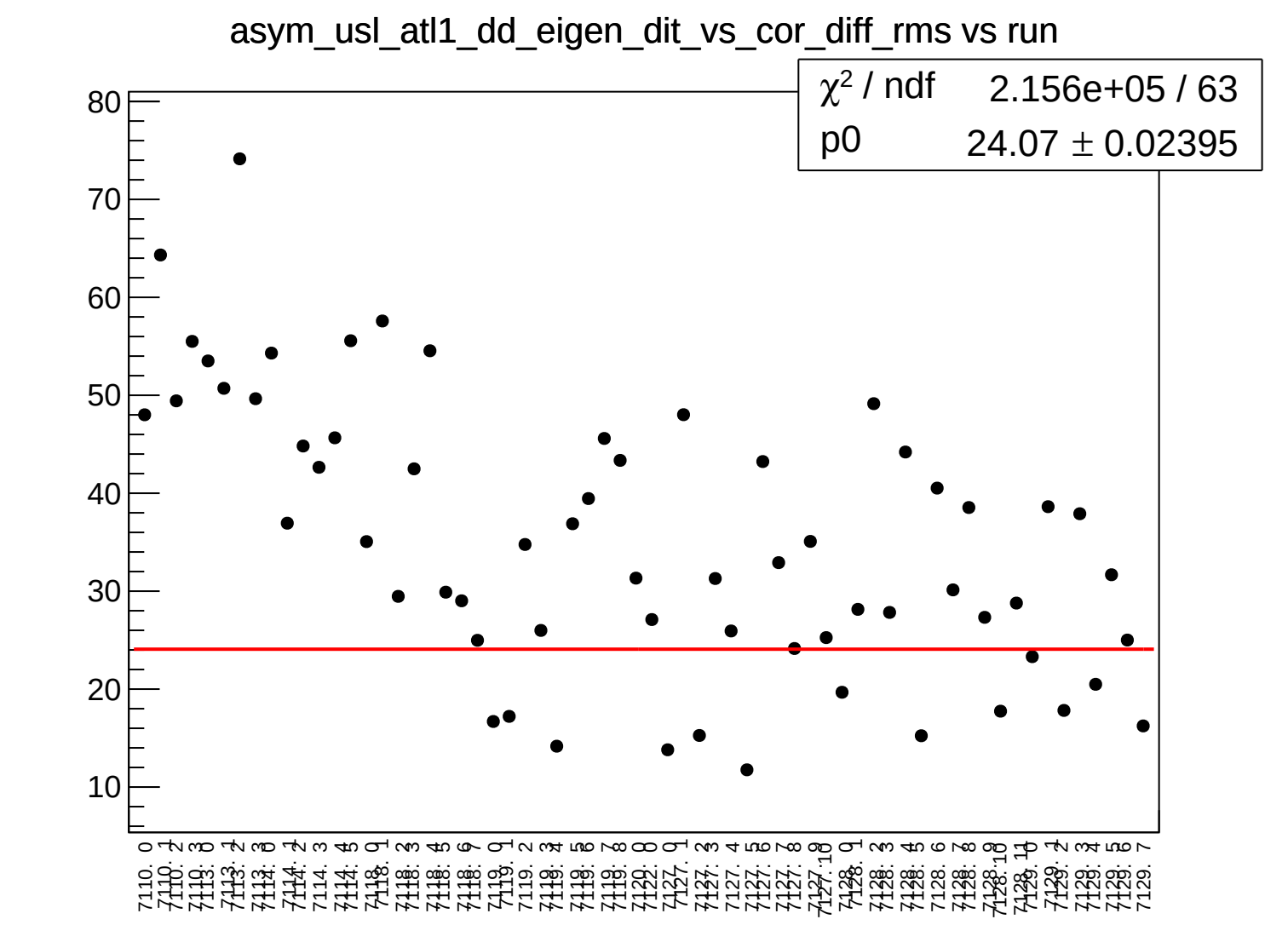

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.21 / 63
p0 0.001465 ± 0.03387
pull
Entries 64
Mean −38.29
Std Dev 0
pull1D
Entries 64
Mean 0.01553
Std Dev 0.9937

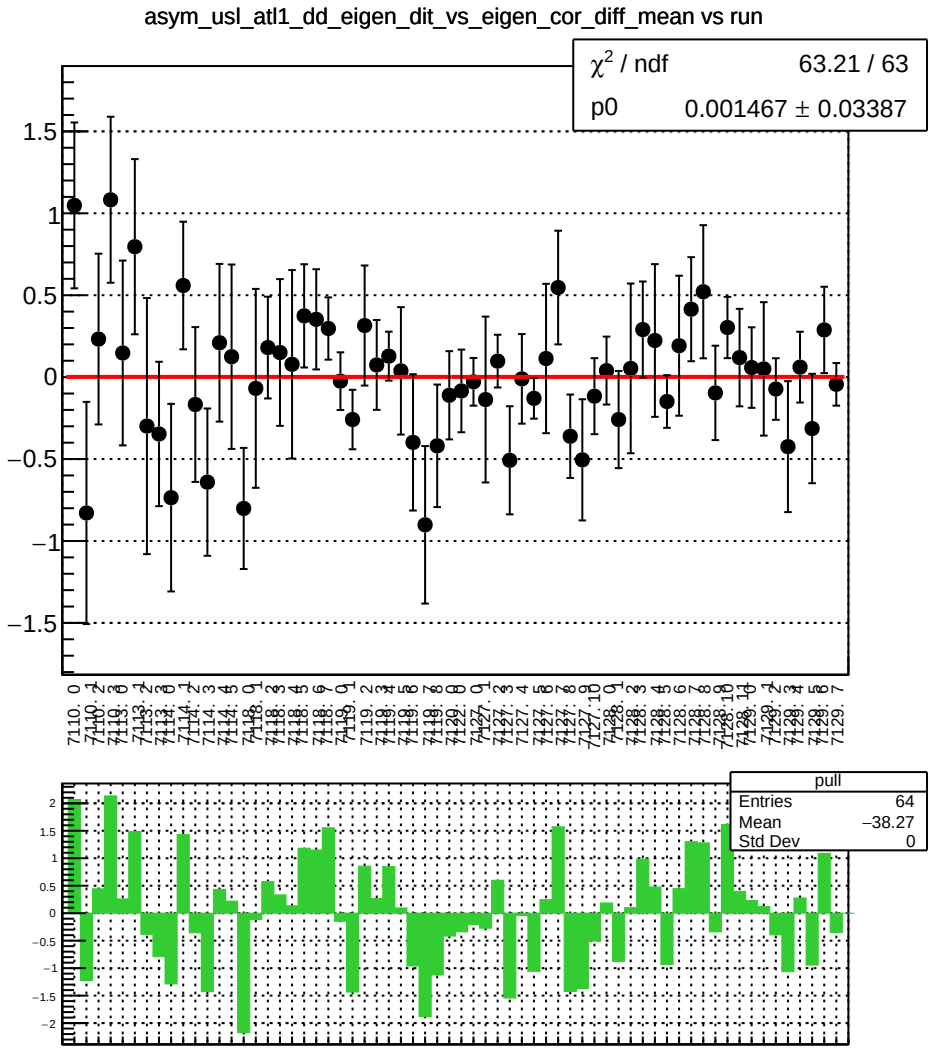

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.156e+05 / 63
p0 24.07 ± 0.02395
80
70
60
50
40
30
20
10
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

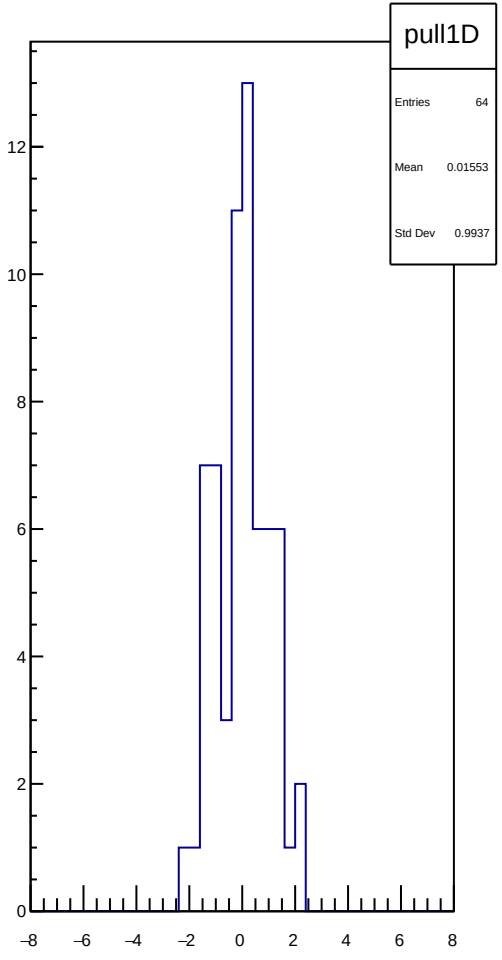

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.34 / 63
p0 2.422e−06 ± 2.112e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 1543
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean 0.002773
Std Dev 0.9215
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

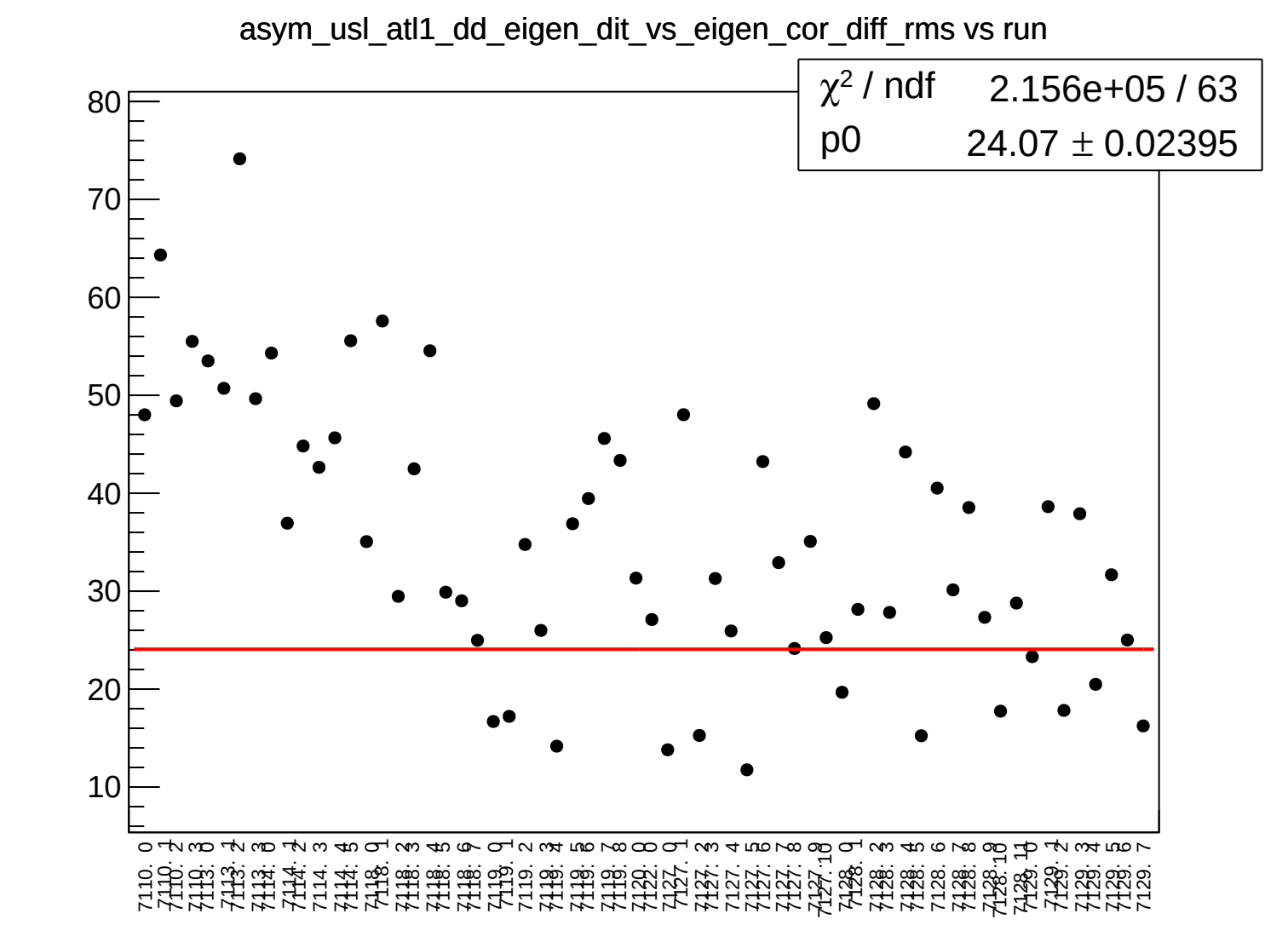

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6926 / 63
p0 0.001649 ± 1.494e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

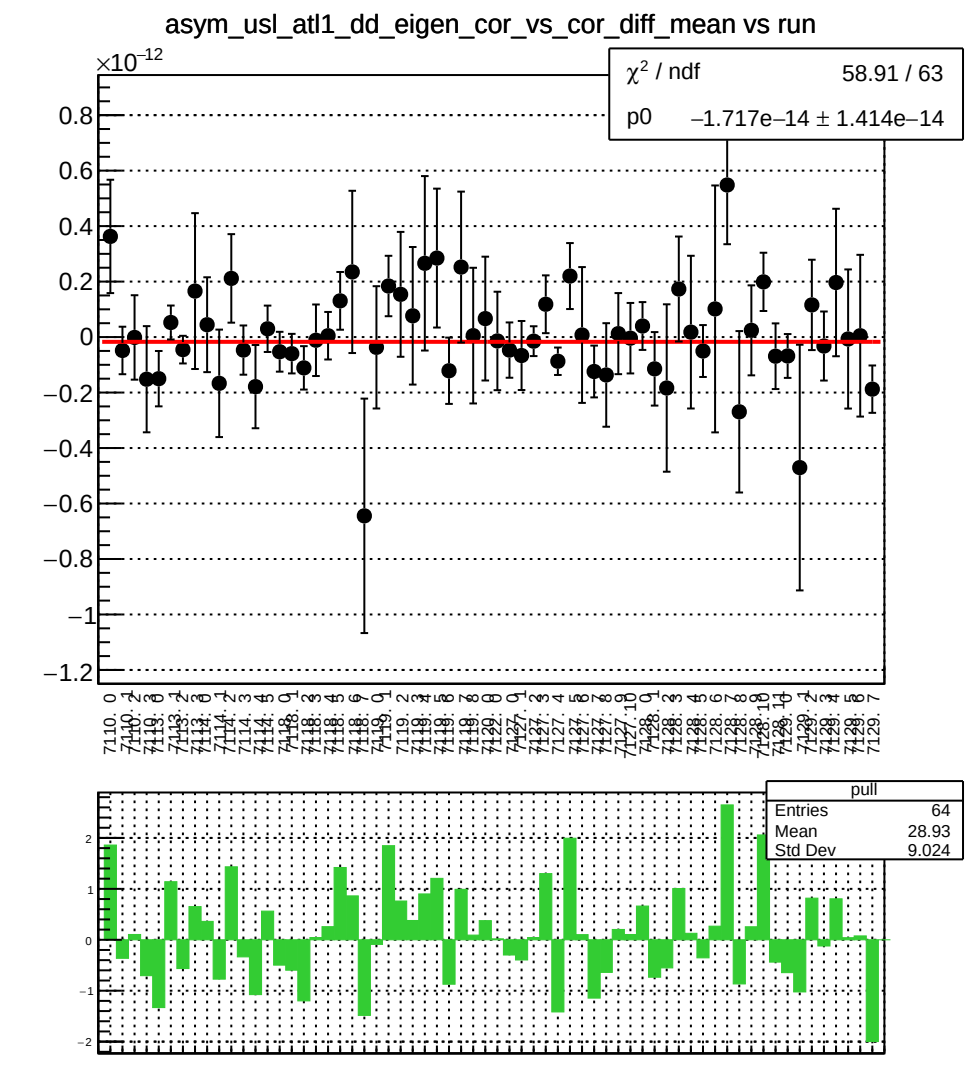

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.21 / 63
p0 0.001467 ± 0.03387
pull
Entries 64
Mean −38.27
Std Dev 0
pull1D
Entries 64
Mean 0.01553
Std Dev 0.9937

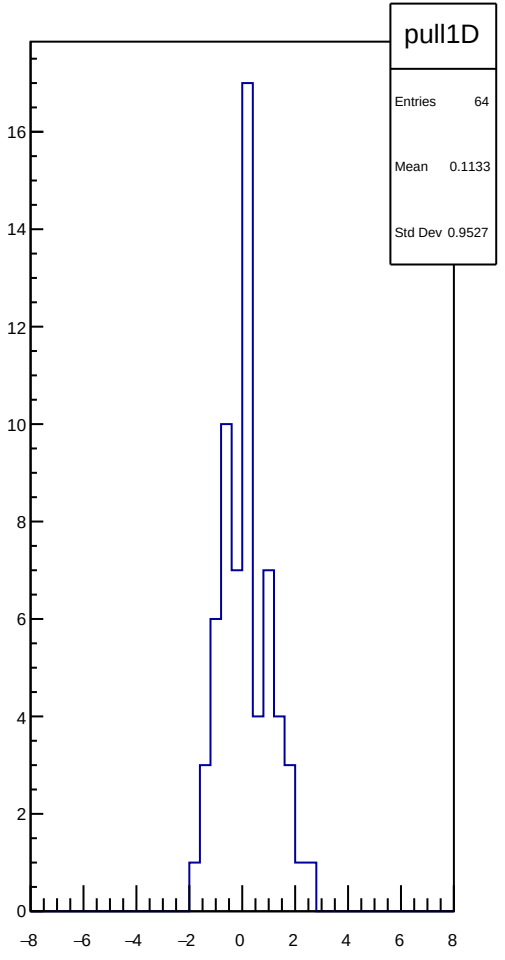

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.156e+05 / 63
p0 24.07 ± 0.02395
80
70
60
50
40
30
20
10
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

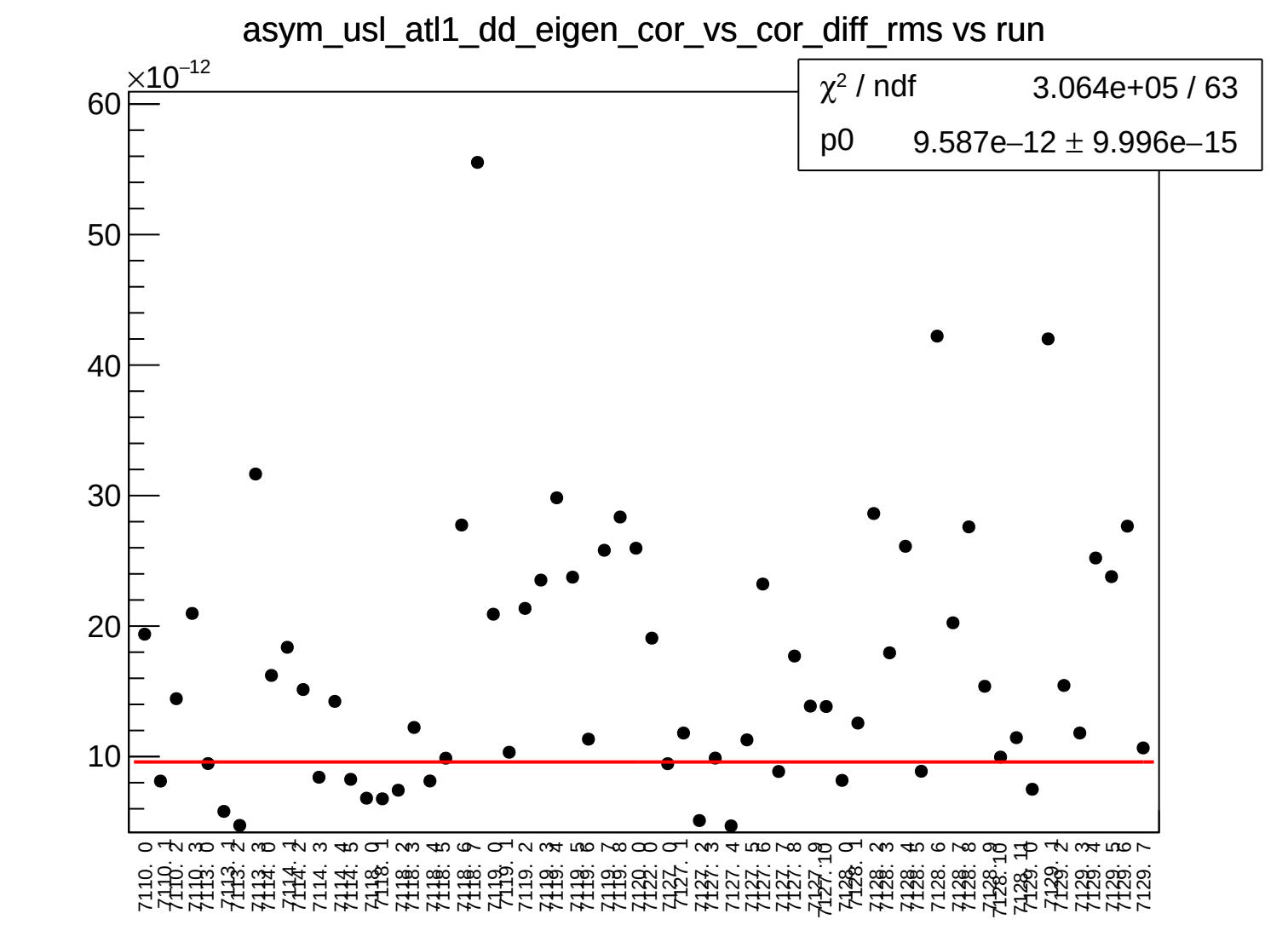

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.21 / 63
p0 0.001467 ± 0.03387
pull
Entries 64
Mean −38.27
Std Dev 0

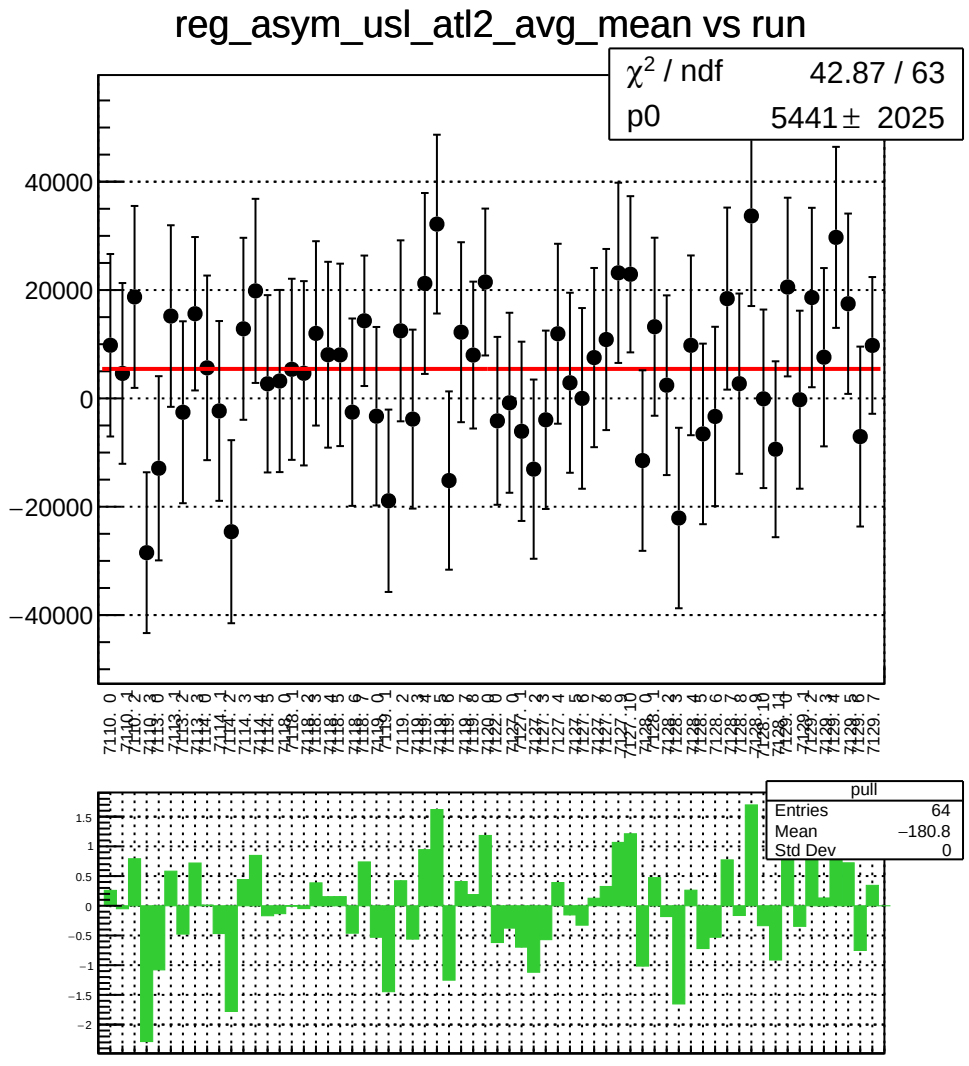

pull1D
Entries 64
Mean 0.01553
Std Dev 0.9937

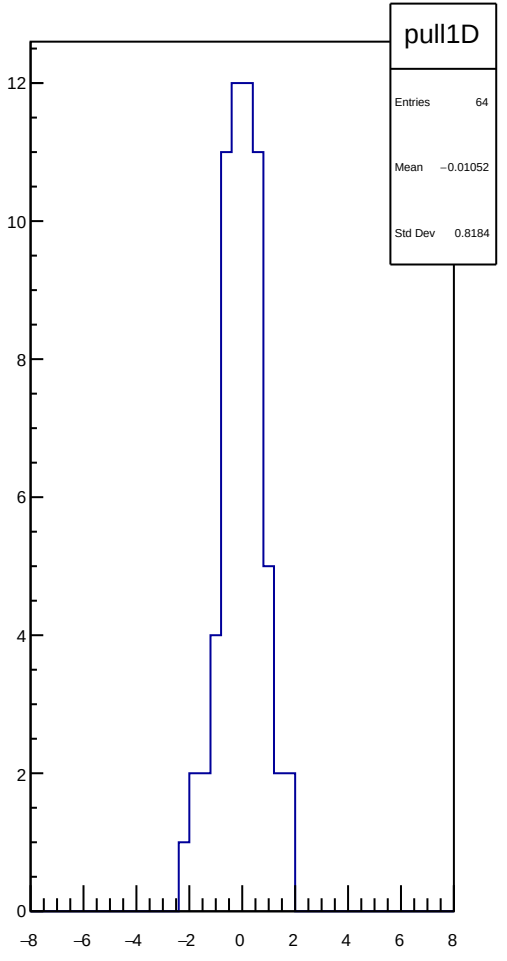

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.156e+05 / 63
p0 24.07 ± 0.02395
80
70
60
50
40
30
20
10

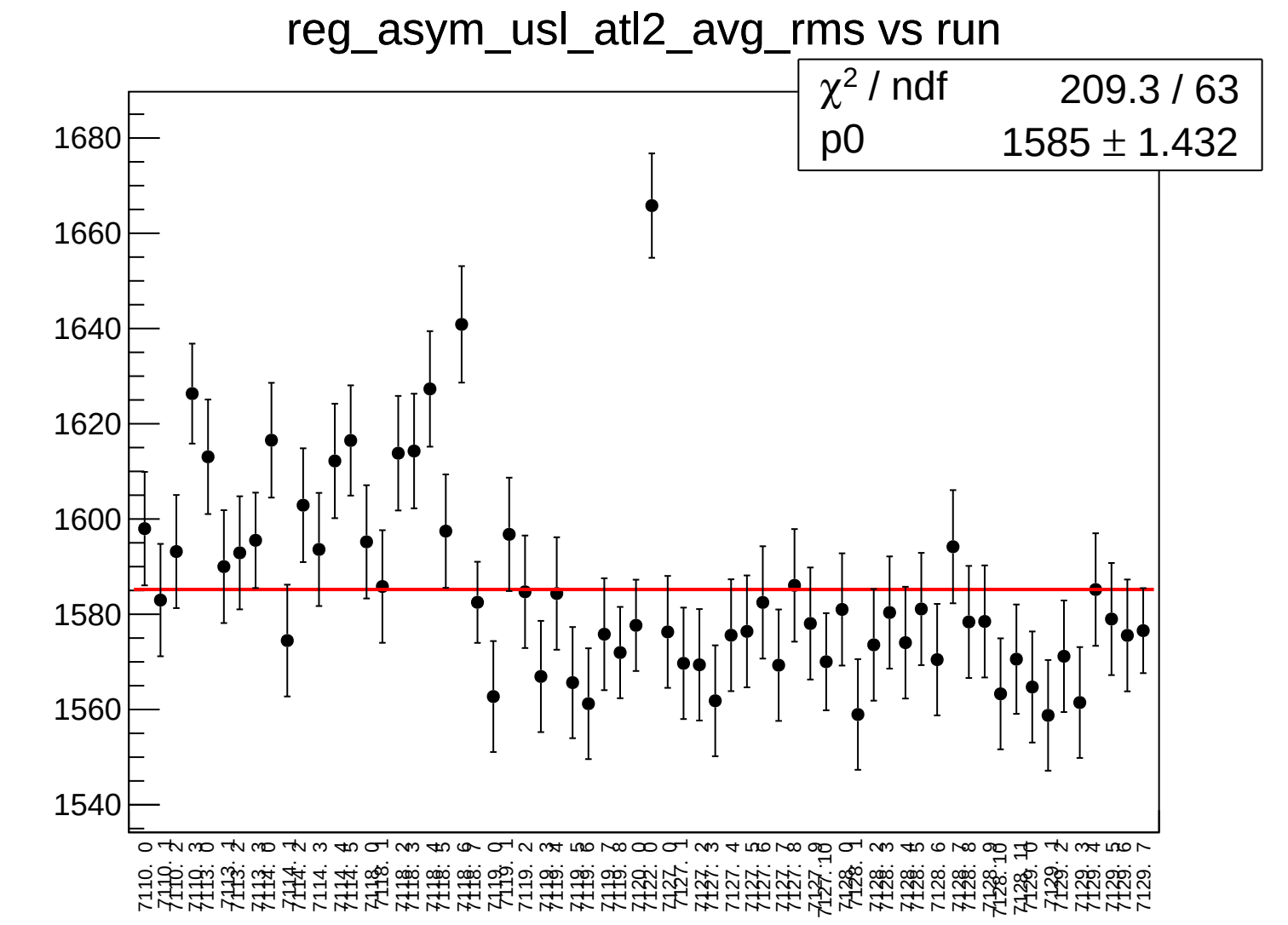

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.91 / 63
p0 −1.717e−14 ± 1.414e−14
pull
Entries 64
Mean 28.93
Std Dev 9.024

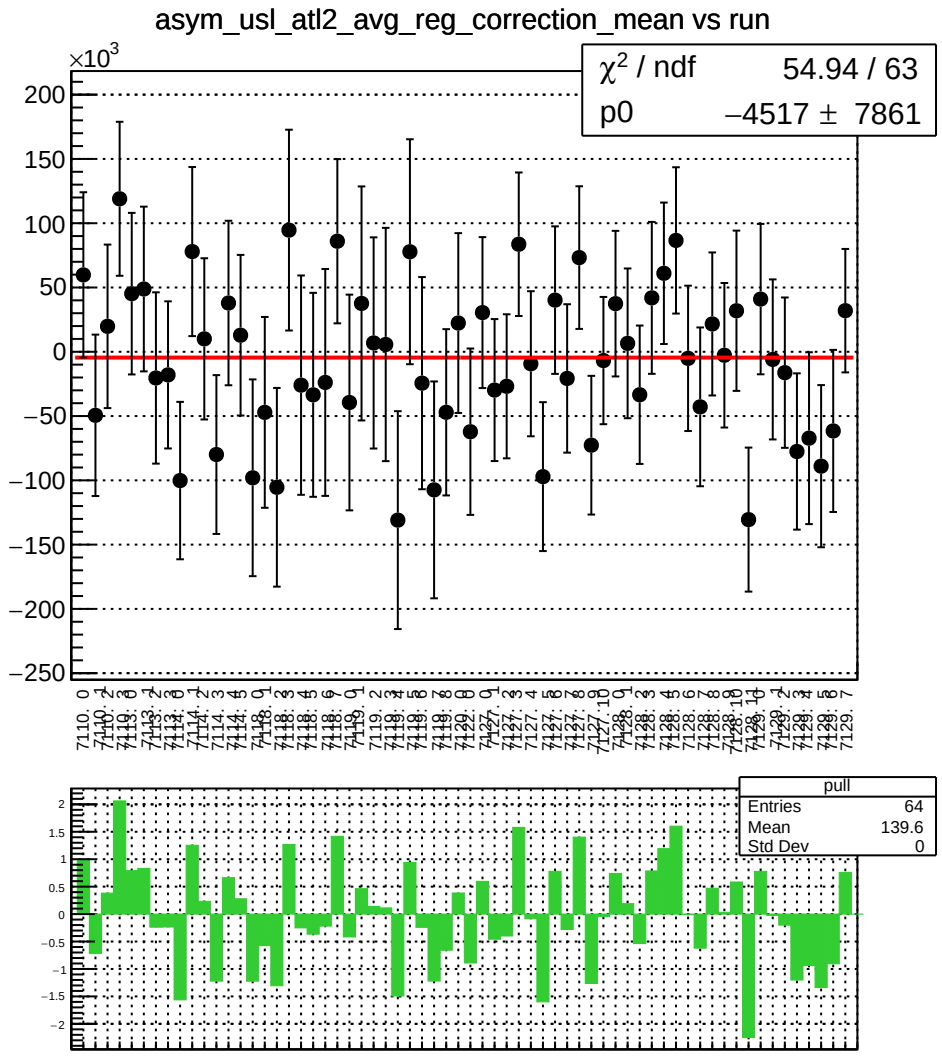

pull1D
Entries 64
Mean 0.1133
Std Dev 0.9527

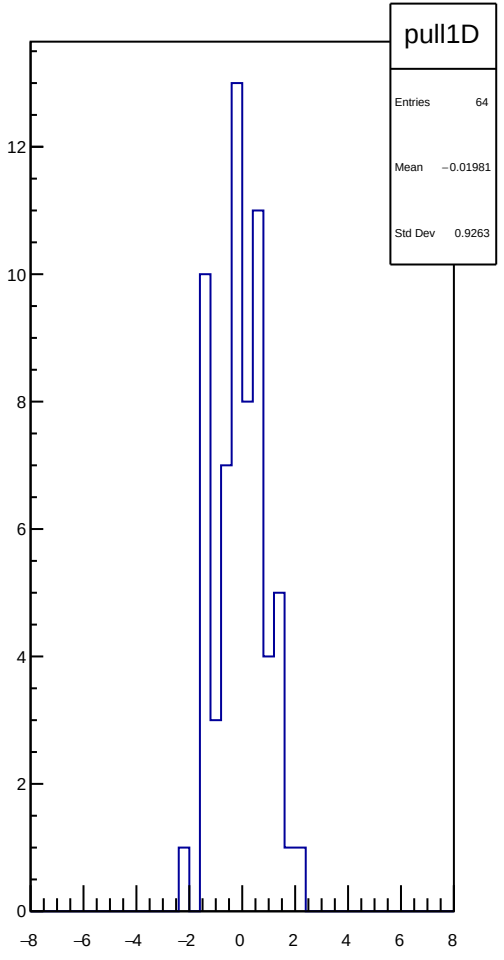

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.064e+05 / 63
p0 9.587e−12 ± 9.996e−15
60
50
40
30
20
10

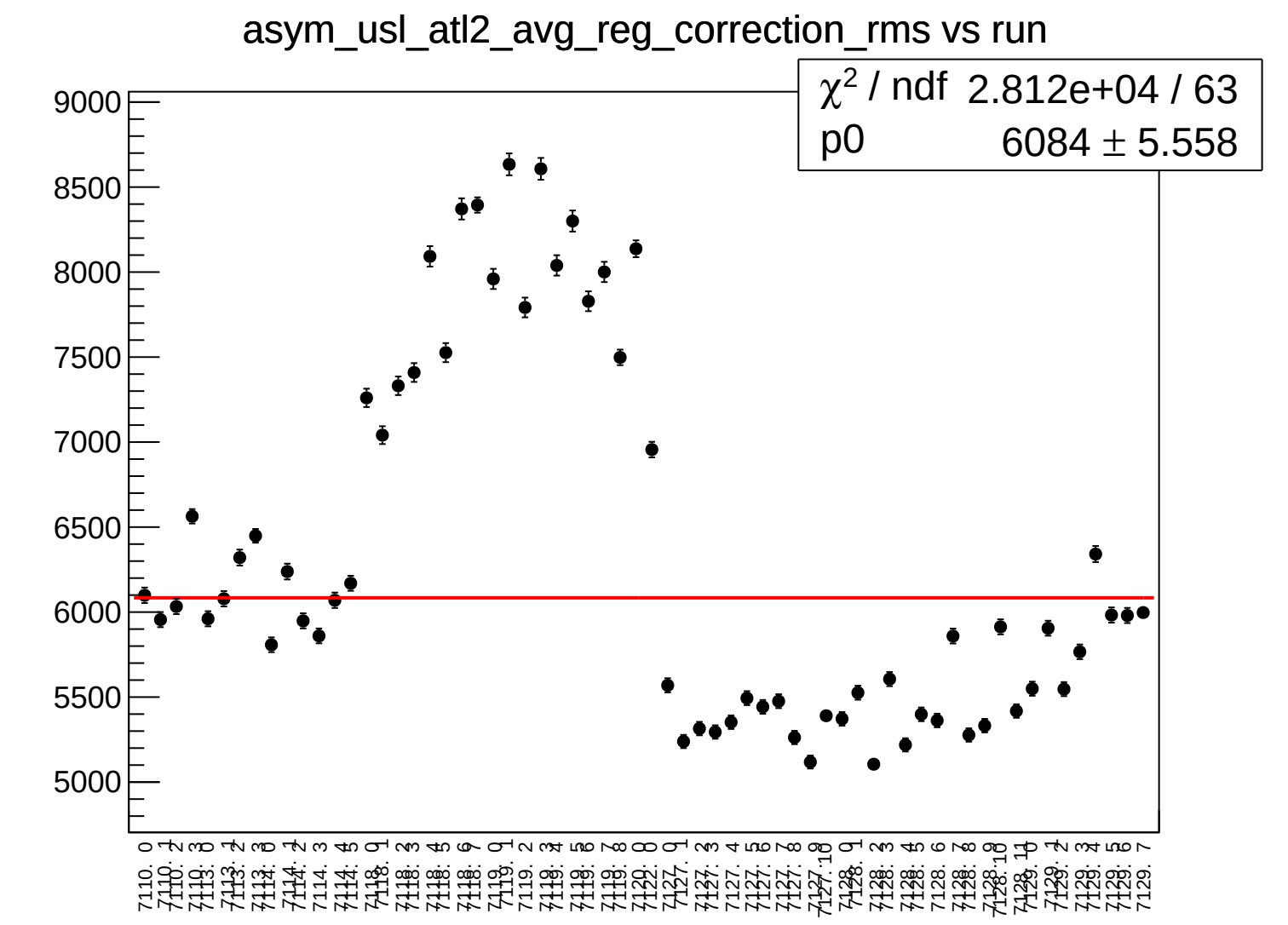

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 42.87 / 63
p0 5441 ± 2025
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −180.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

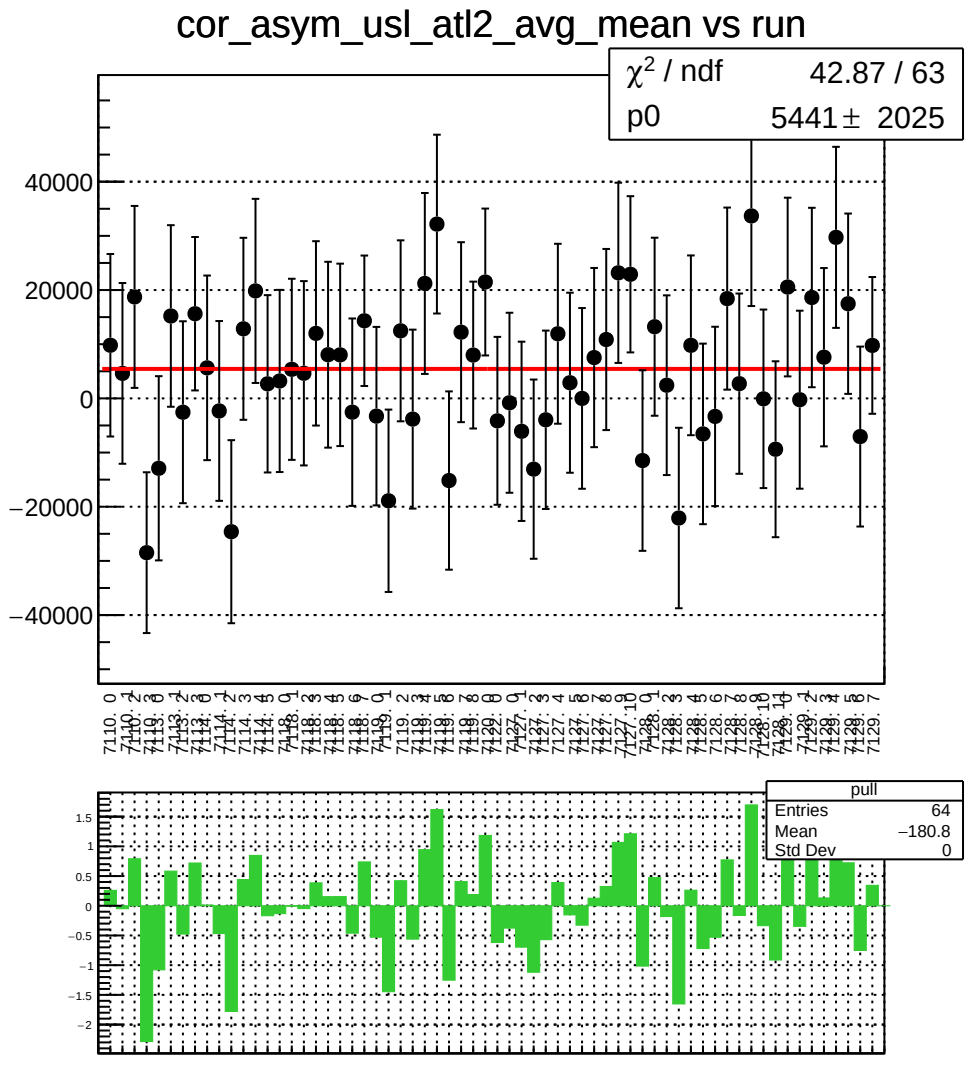

pull1D
Entries 64
Mean −0.01052
Std Dev 0.8184
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

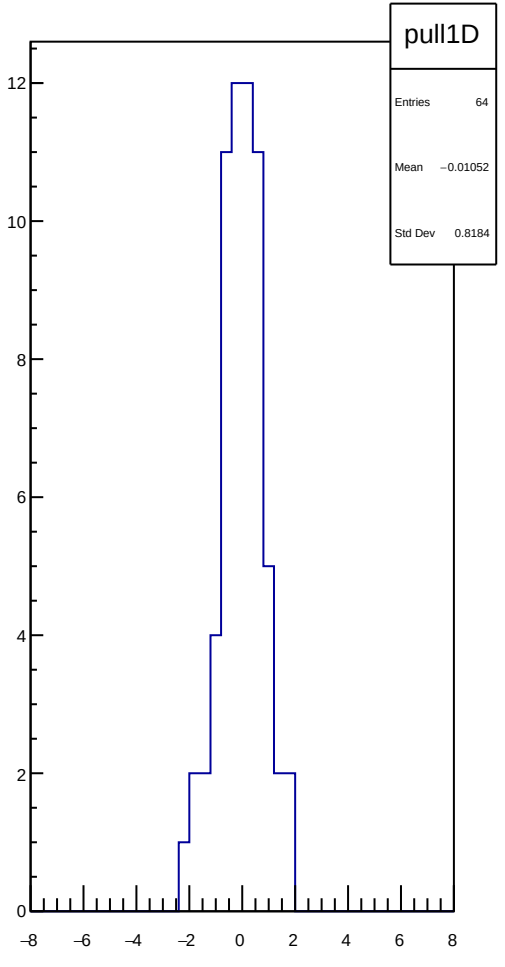

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 209.3 / 63
p0 1585 ± 1.432
1680
1660
1640
1620
1600
1580
1560
1540

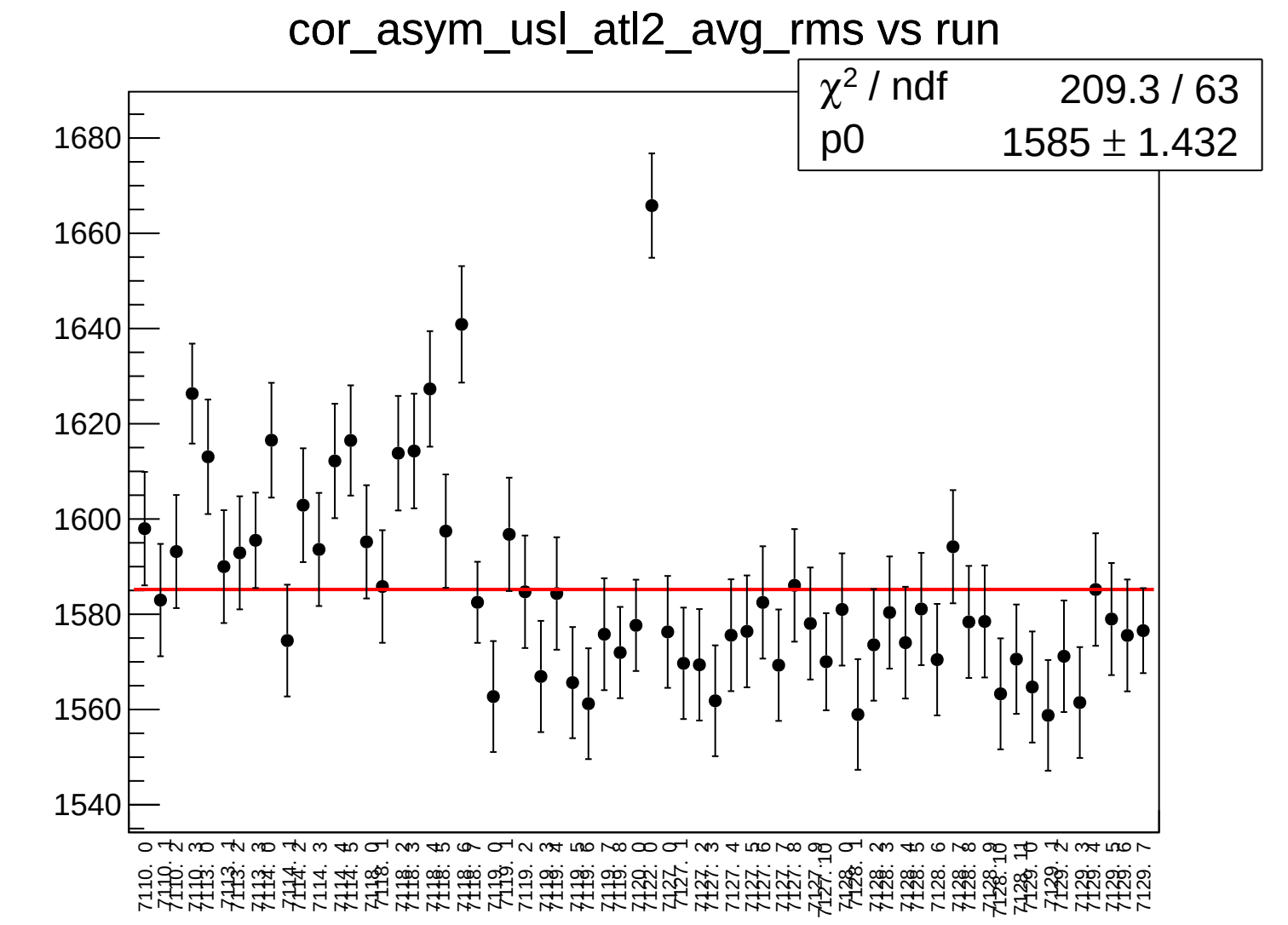

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.94 / 63
p0 −4517 ± 7861
pull
Entries 64
Mean 139.6
Std Dev 0

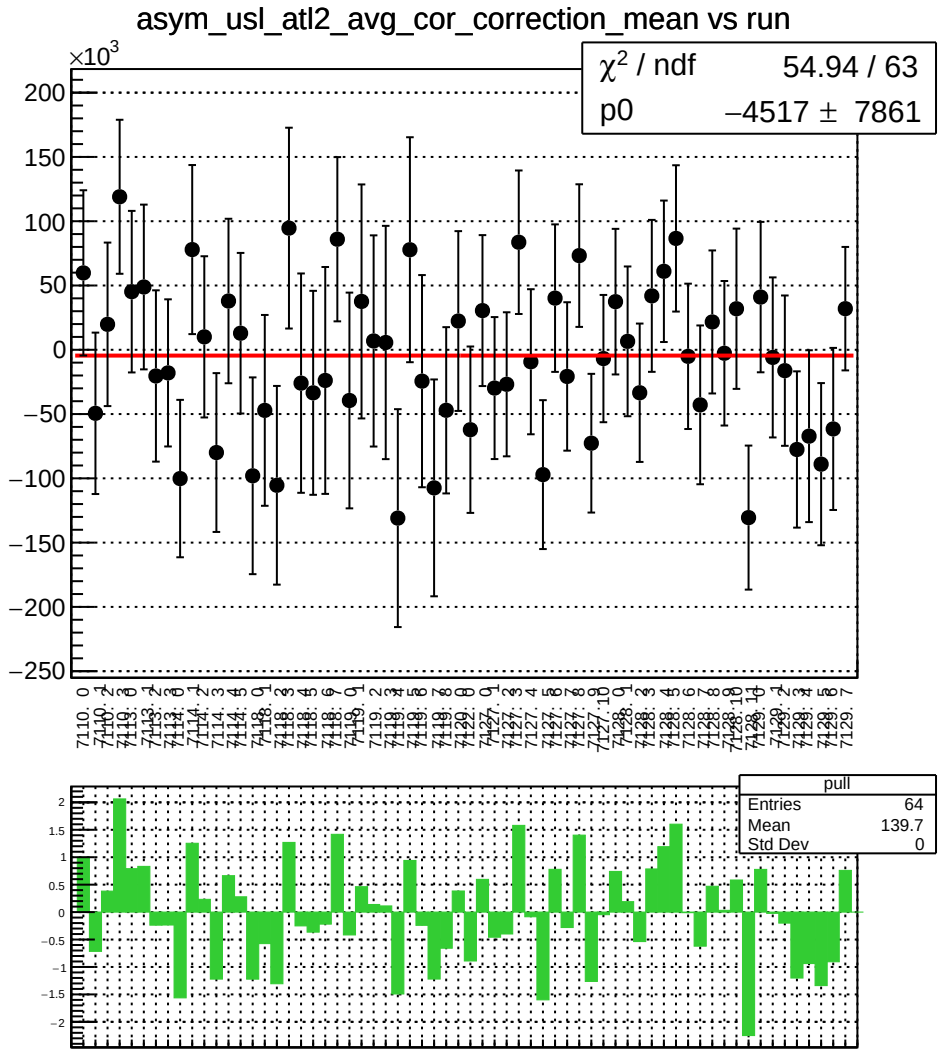

pull1D
Entries 64
Mean −0.01981
Std Dev 0.9263

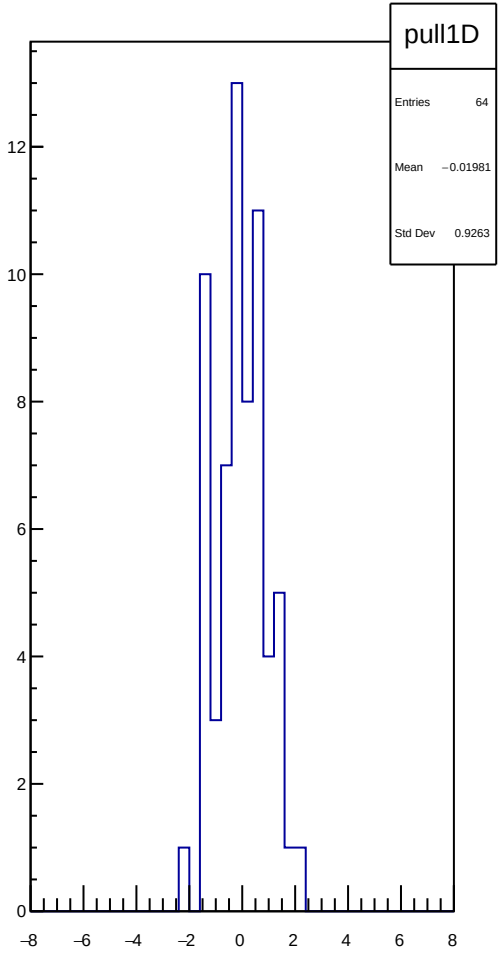

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 2.812e+04 / 63
p0 6084 ± 5.558
9000
8500
8000
7500
7000
6500
6000
5500
5000

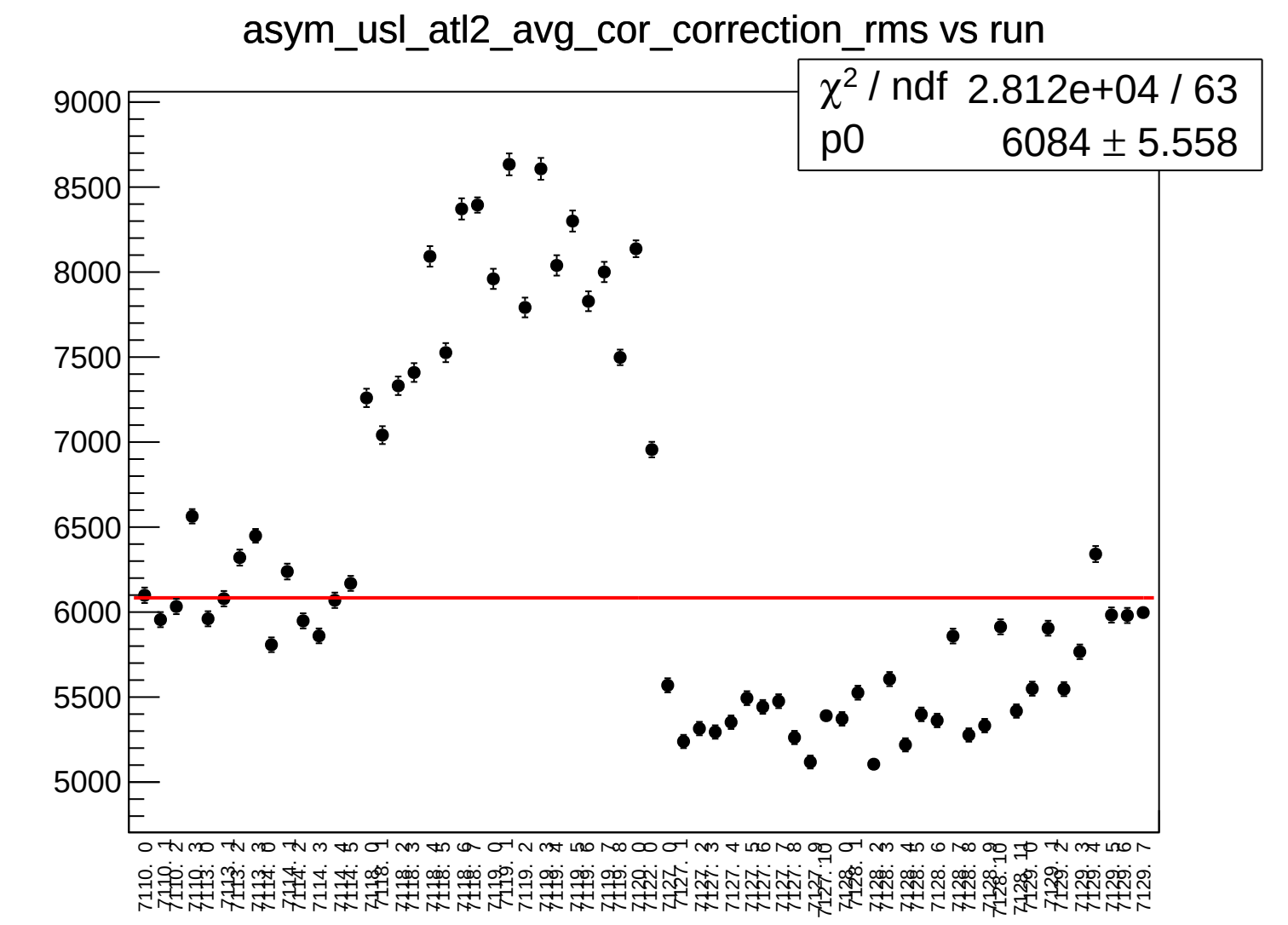

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 42.87 / 63
p0 5441 ± 2025
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −180.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

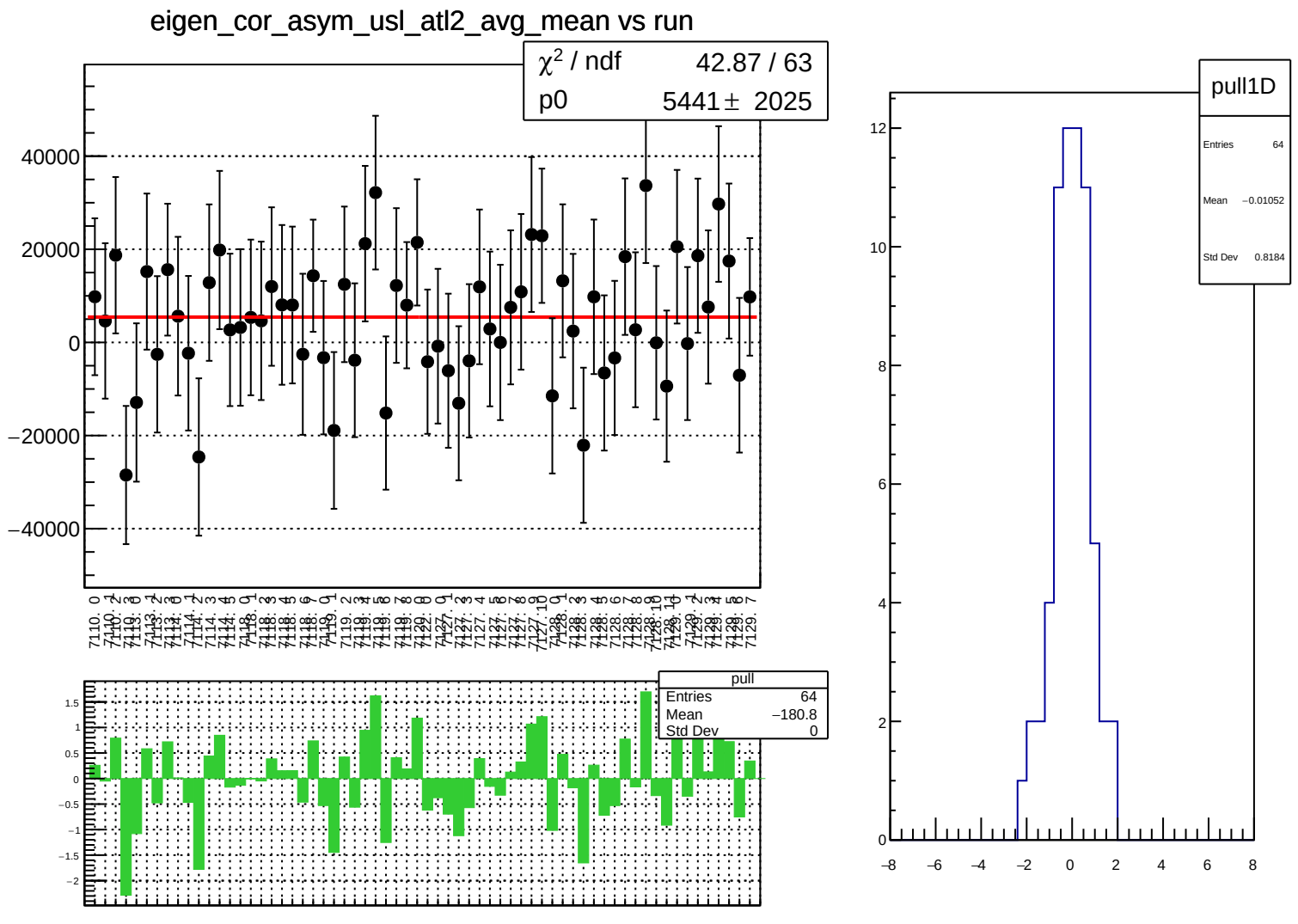

pull1D
Entries 64
Mean −0.01052
Std Dev 0.8184
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

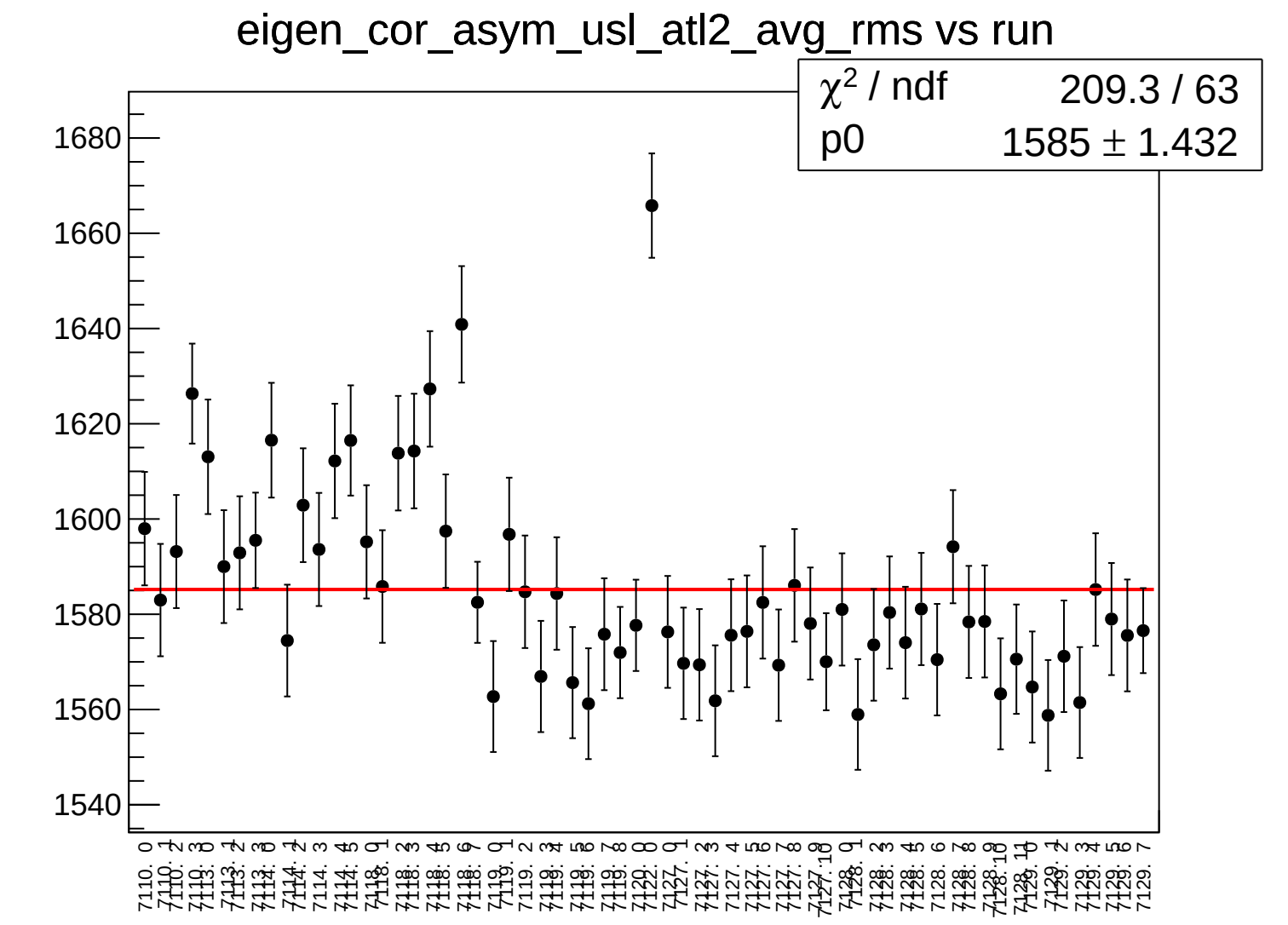

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 209.3 / 63
p0 1585 ± 1.432
1680
1660
1640
1620
1600
1580
1560
1540

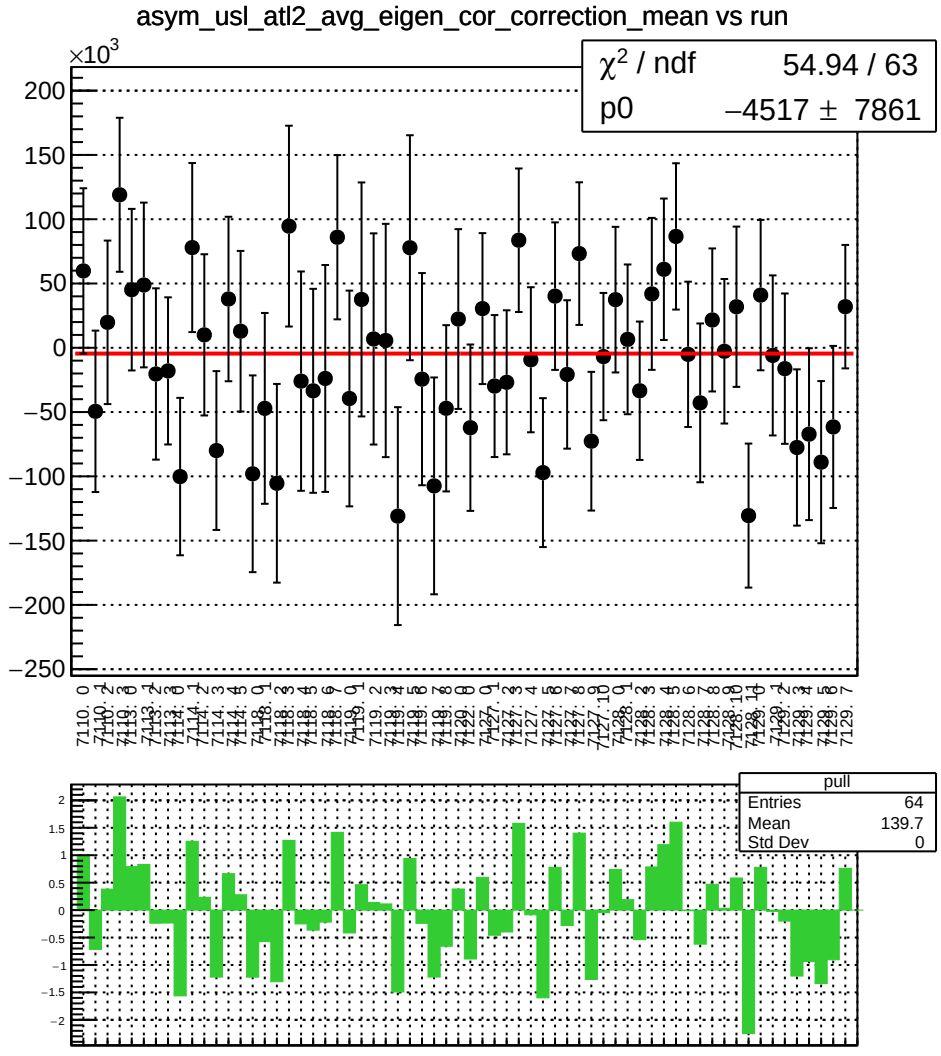

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.94 / 63
p0 −4517 ± 7861
pull
Entries 64
Mean 139.7
Std Dev 0

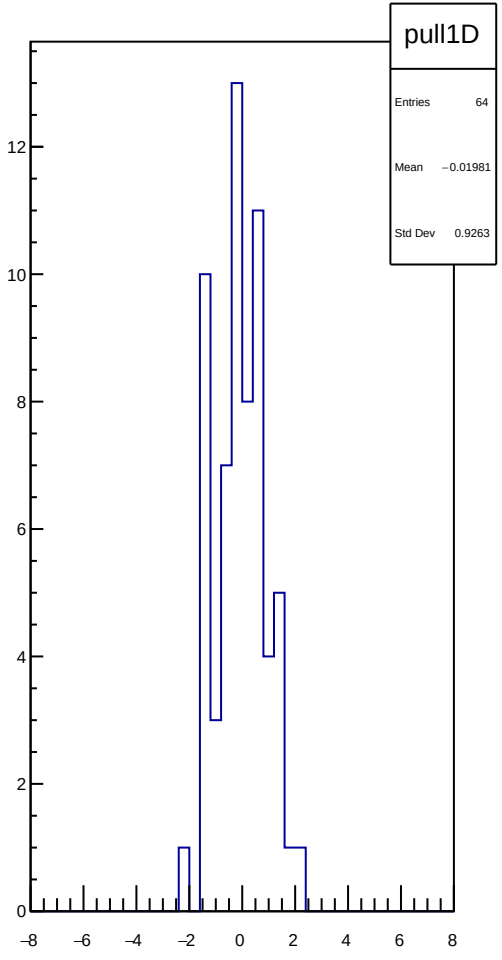

pull1D
Entries 64
Mean −0.01981
Std Dev 0.9263

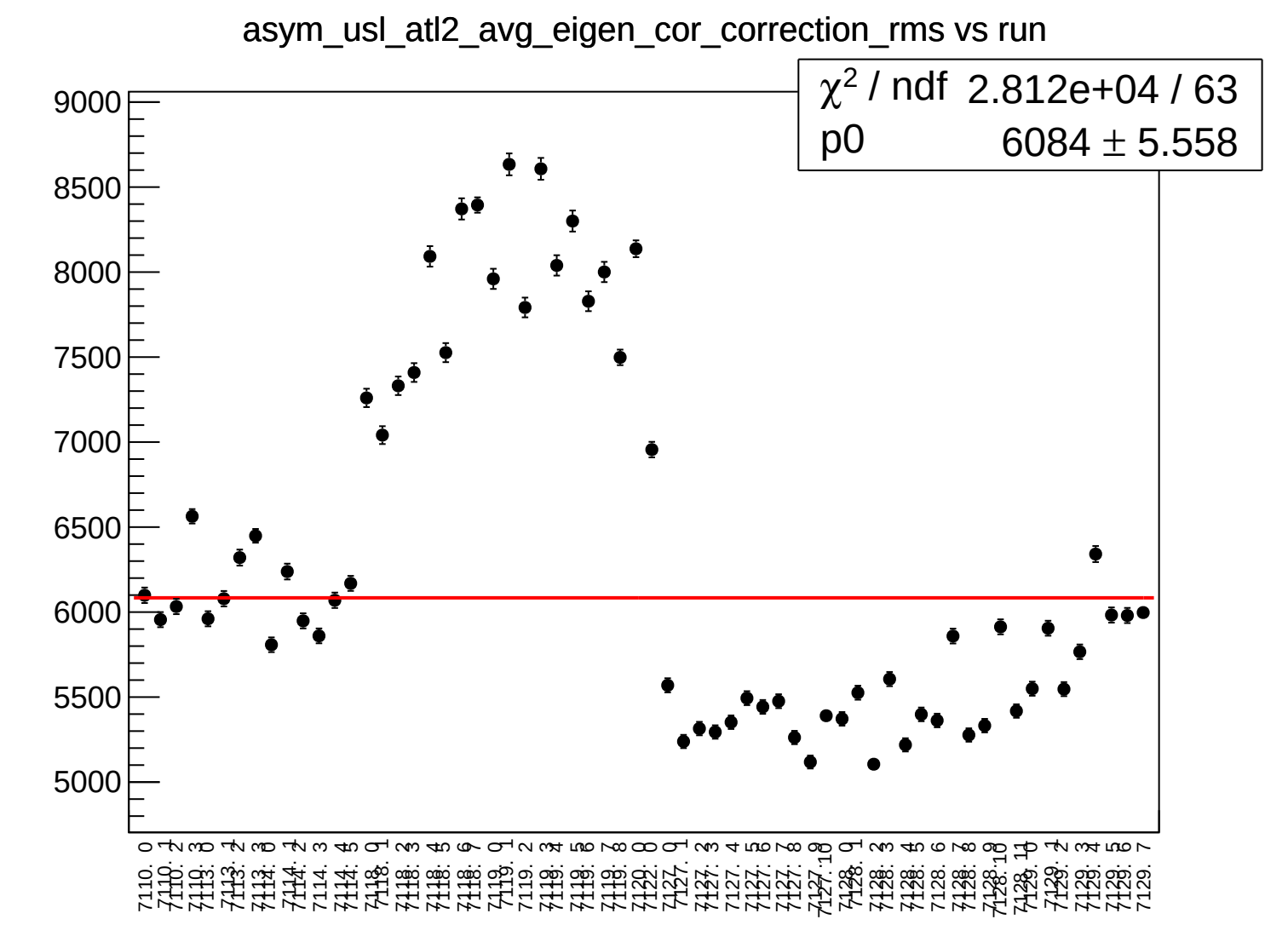

asym_usl_atl2_avg_cor_correction_rms vs run
χ^2 / ndf 2.812e+04 / 63
p0 6084 ± 5.558
9000
8500
8000
7500
7000
6500
6000
5500
5000

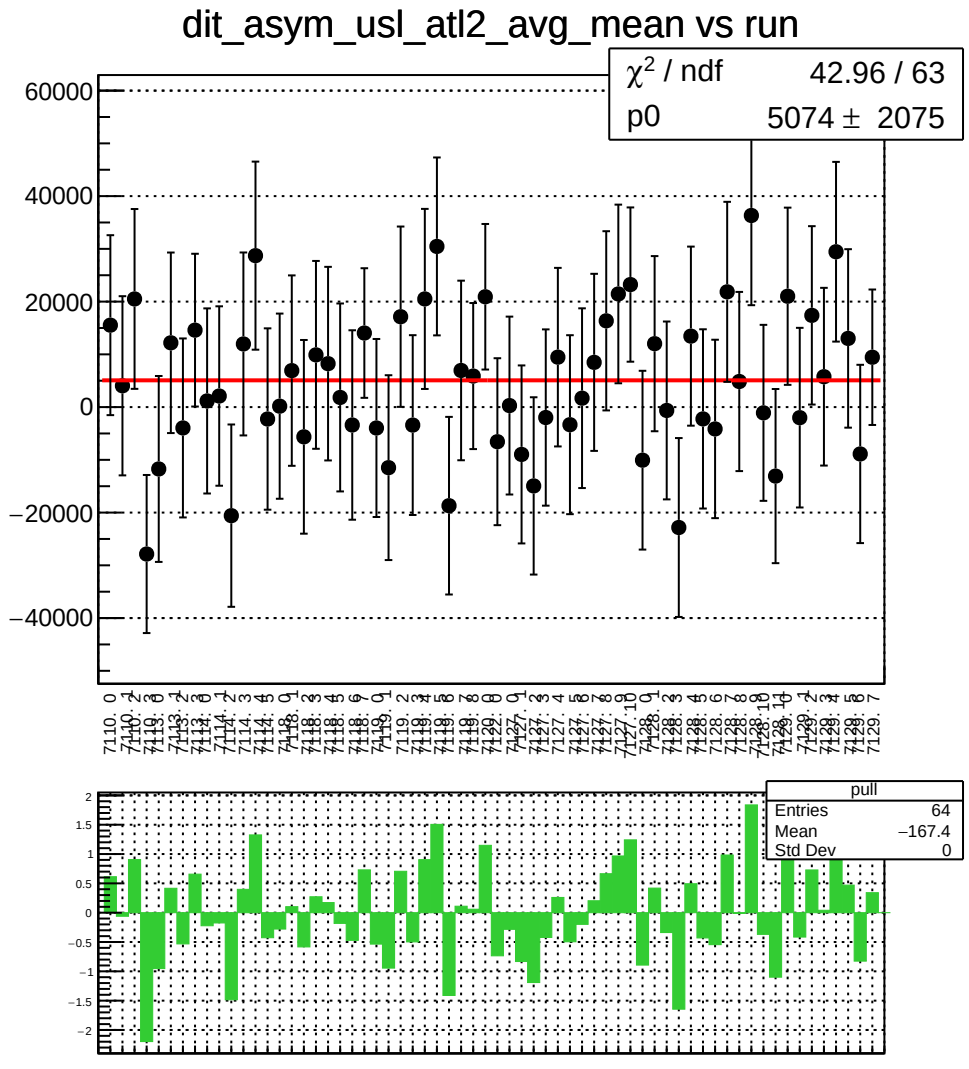

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 42.87 / 63
p0 5441 ± 2025
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −180.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.01052
Std Dev 0.8184
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

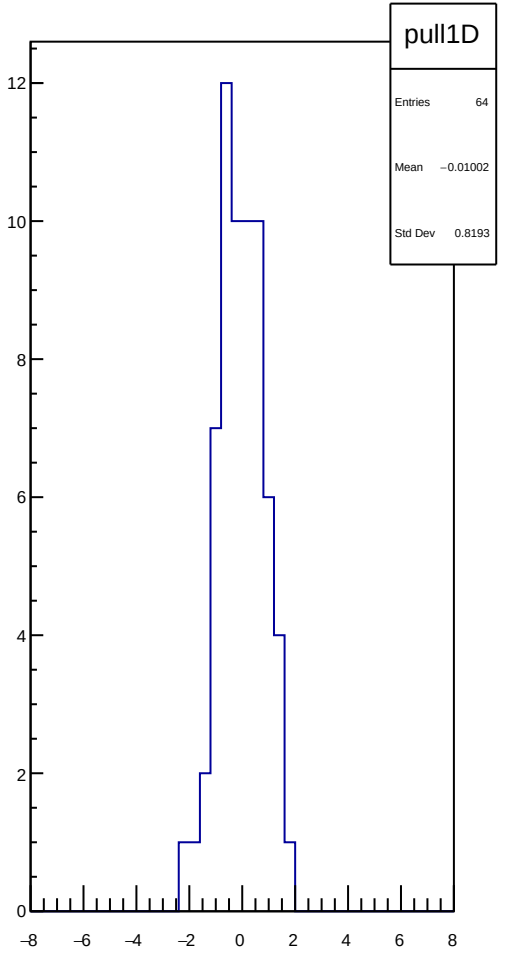

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 209.3 / 63
p0 1585 ± 1.432
1680
1660
1640
1620
1600
1580
1560
1540

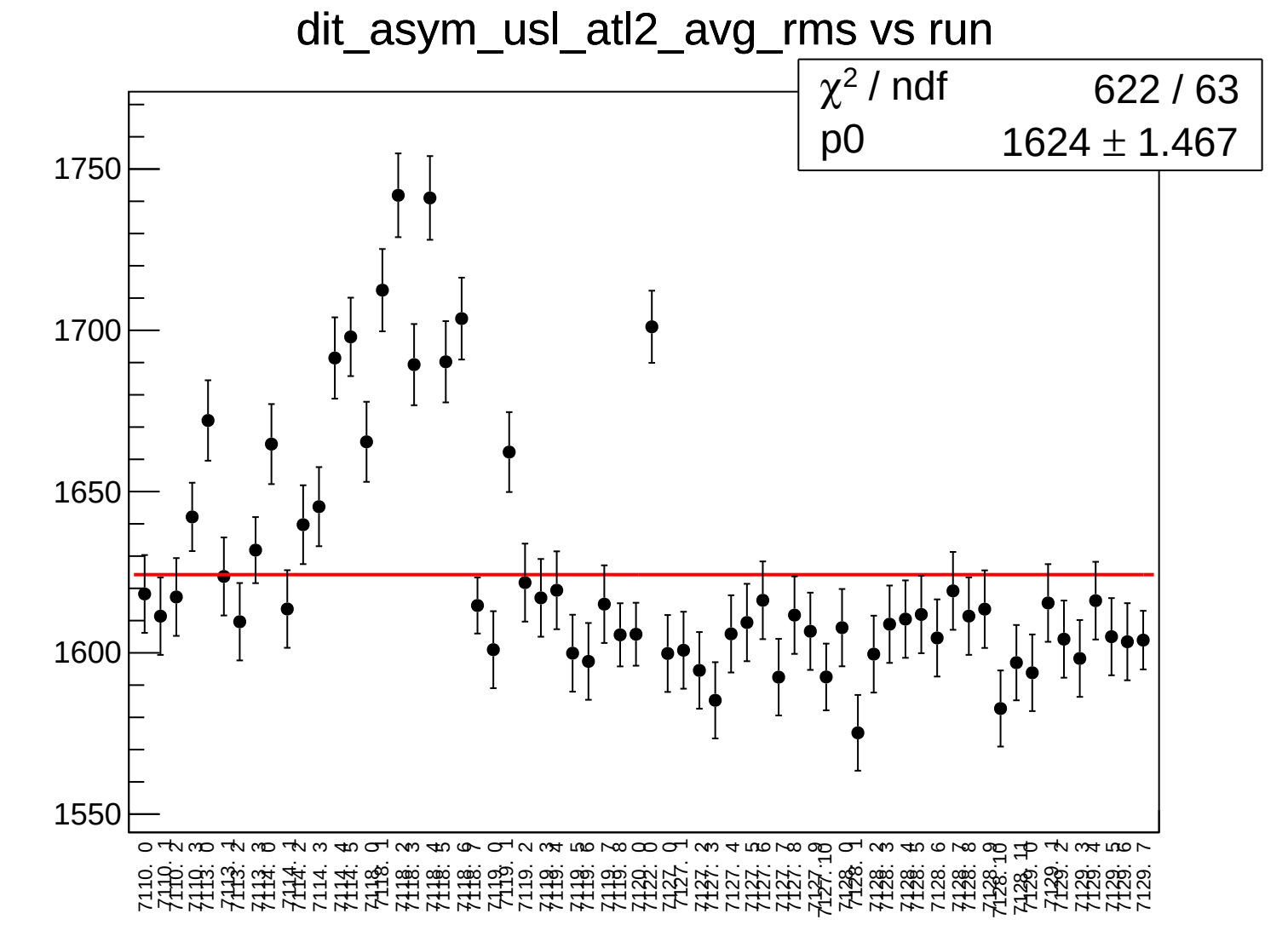

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.94 / 63
p0 −4517 ± 7861
pull
Entries 64
Mean 139.7
Std Dev 0

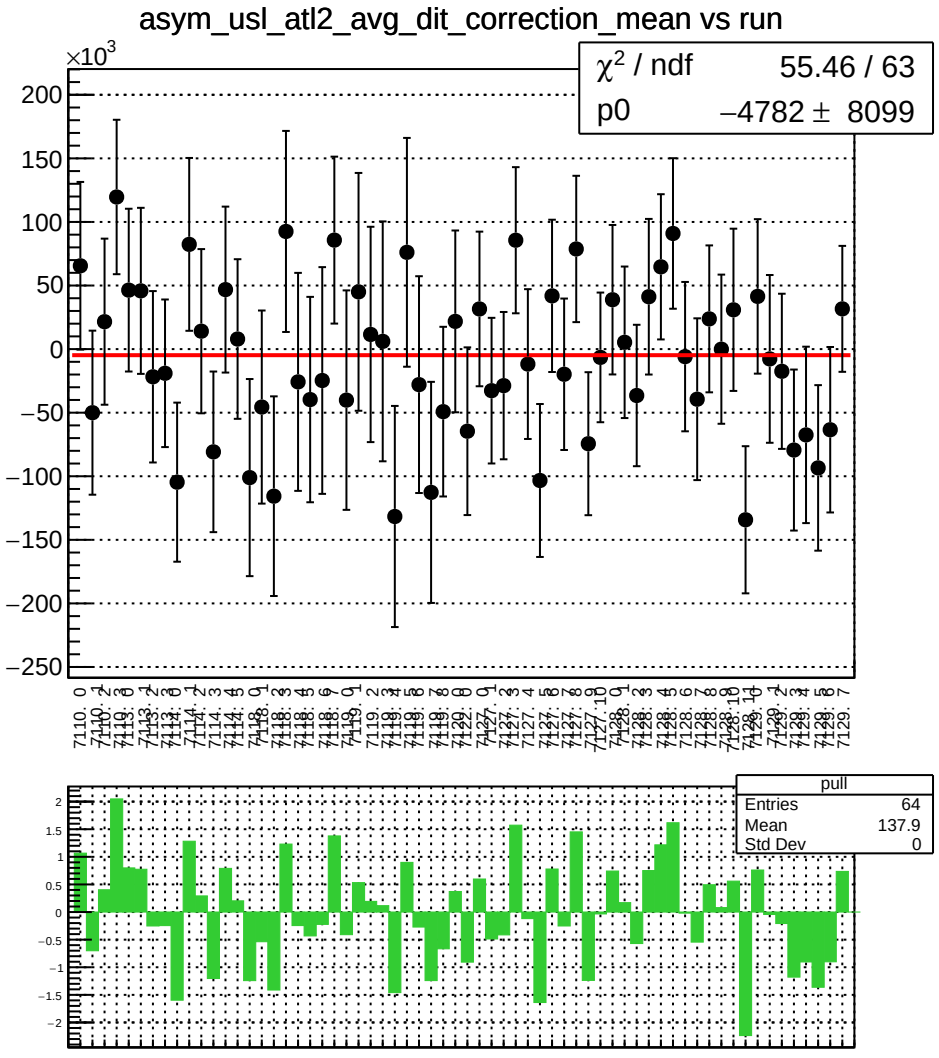

pull1D
Entries 64
Mean −0.01981
Std Dev 0.9263

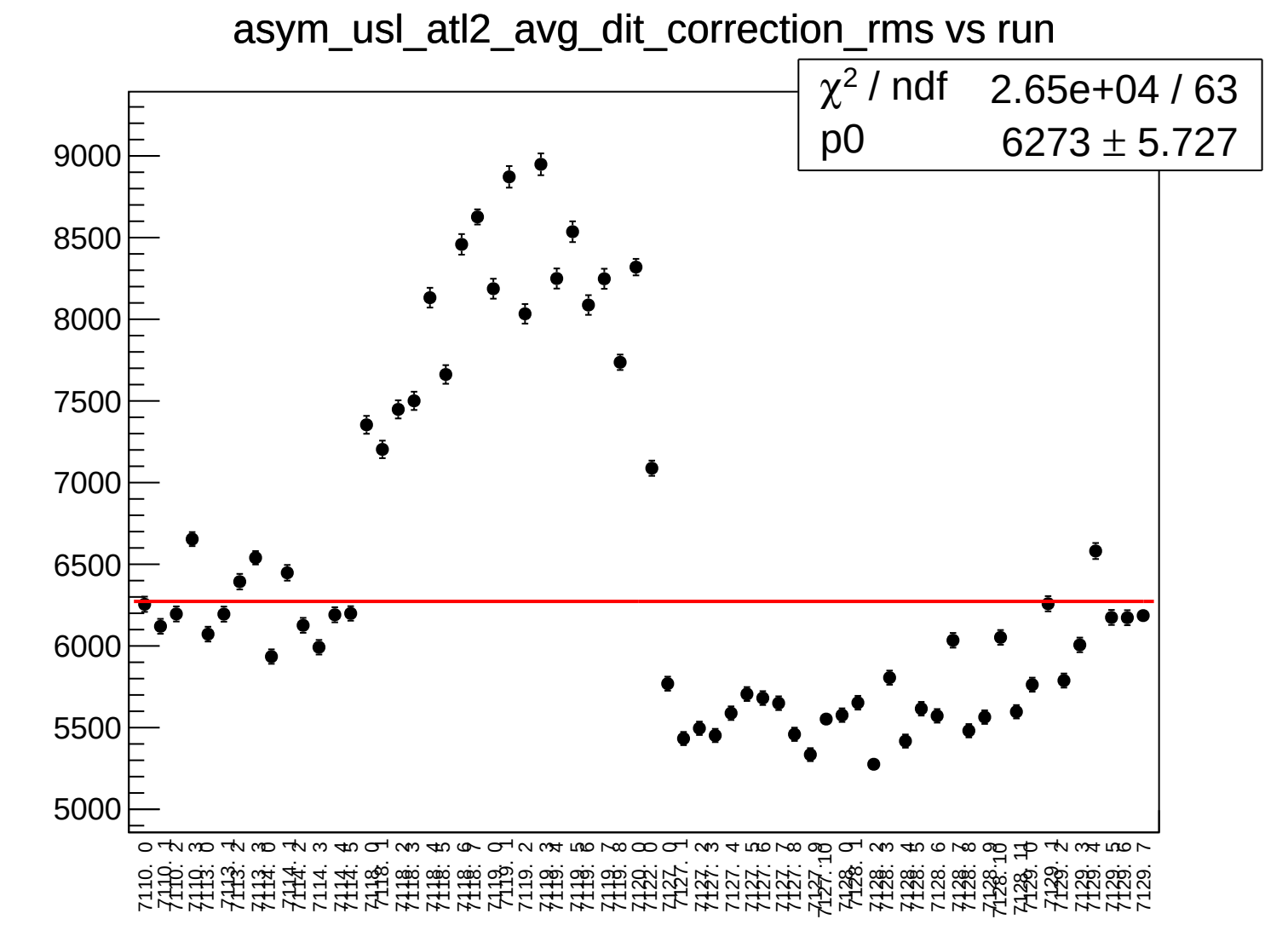

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.812e+04 / 63
p0 6084 ± 5.558
9000
8500
8000
7500
7000
6500
6000
5500
5000

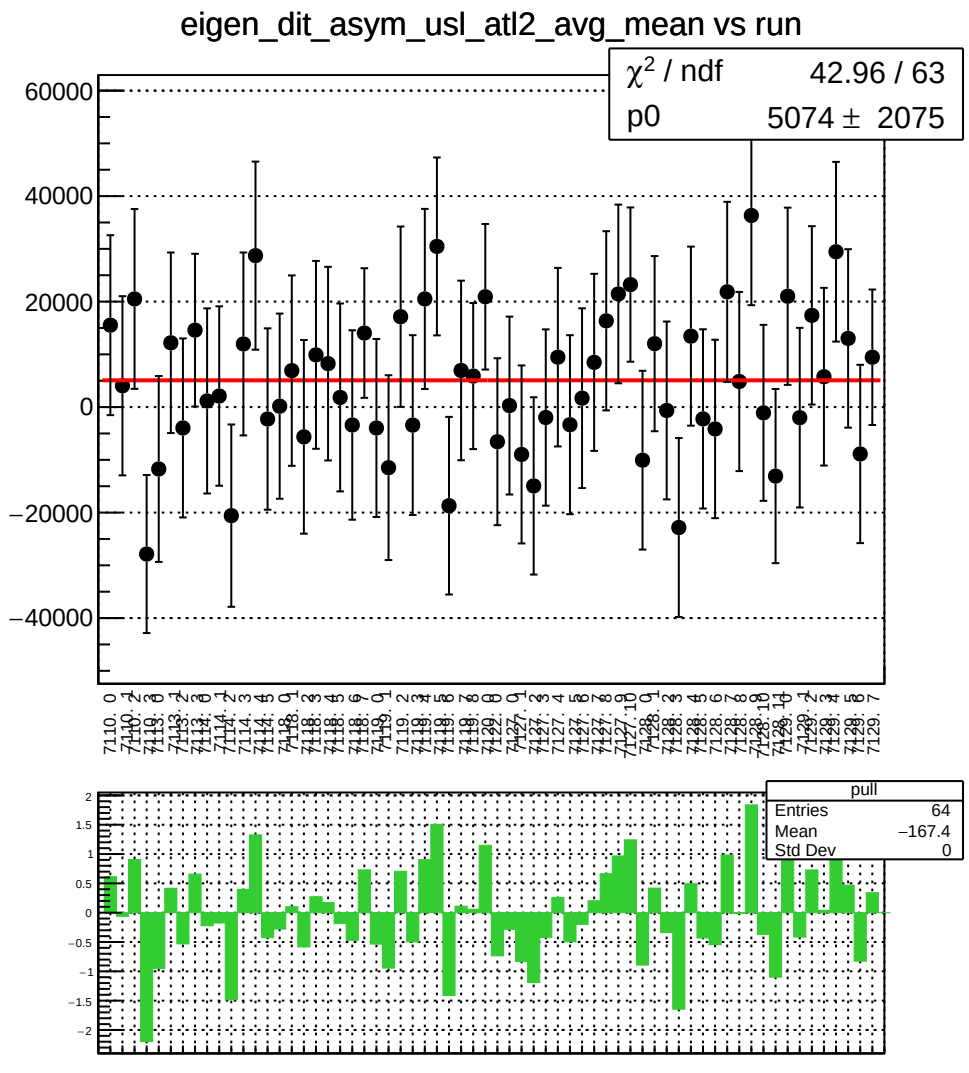

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 42.96 / 63
p0 5074 ± 2075
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −167.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

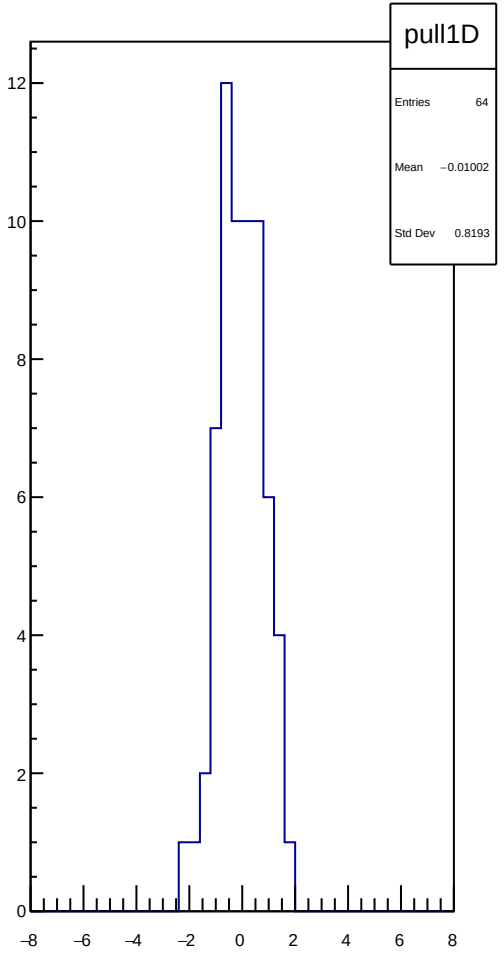

pull1D
Entries 64
Mean −0.01002
Std Dev 0.8193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

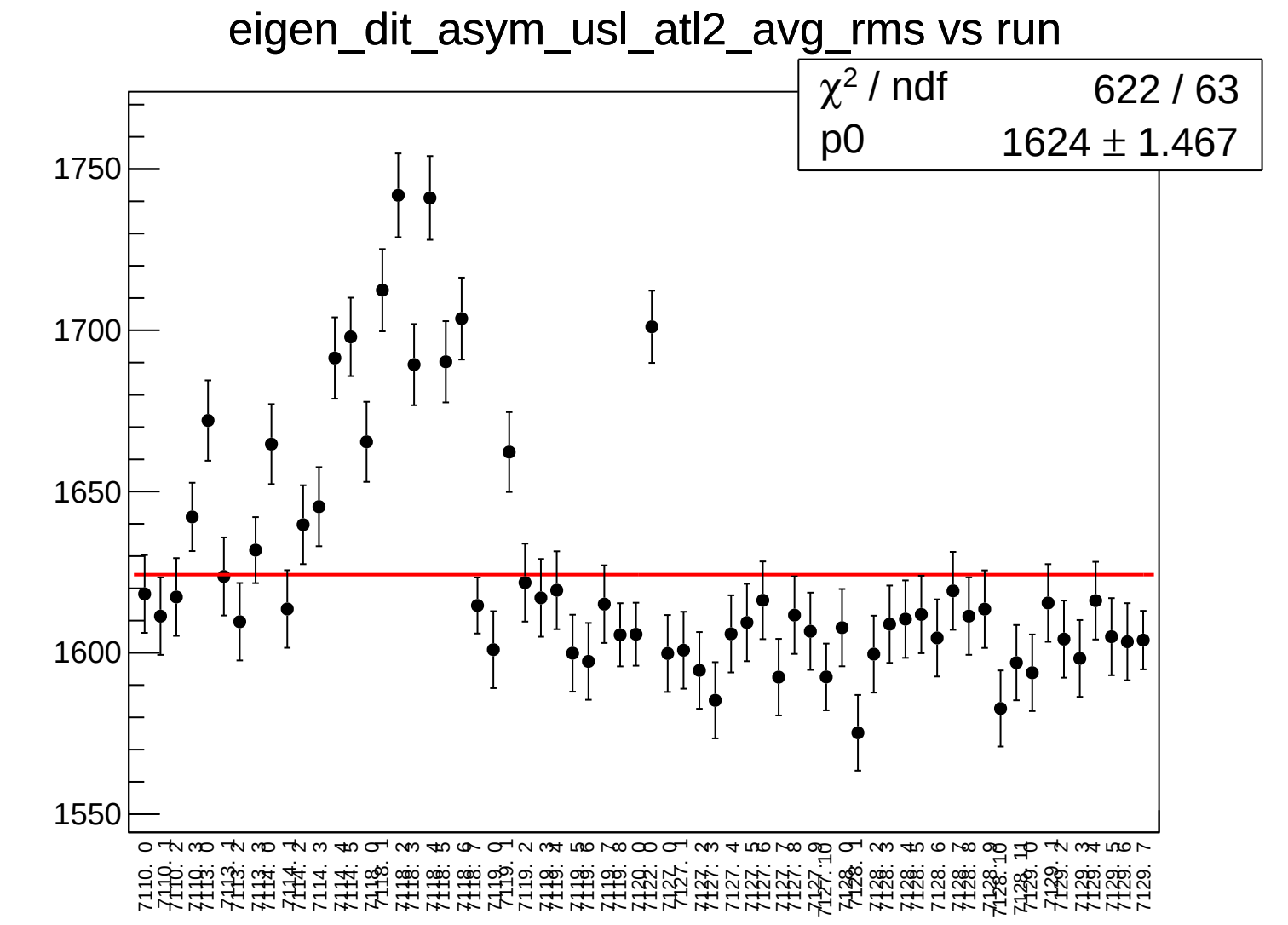

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 622 / 63
p0 1624 ± 1.467
1750
1700
1650
1600
1550

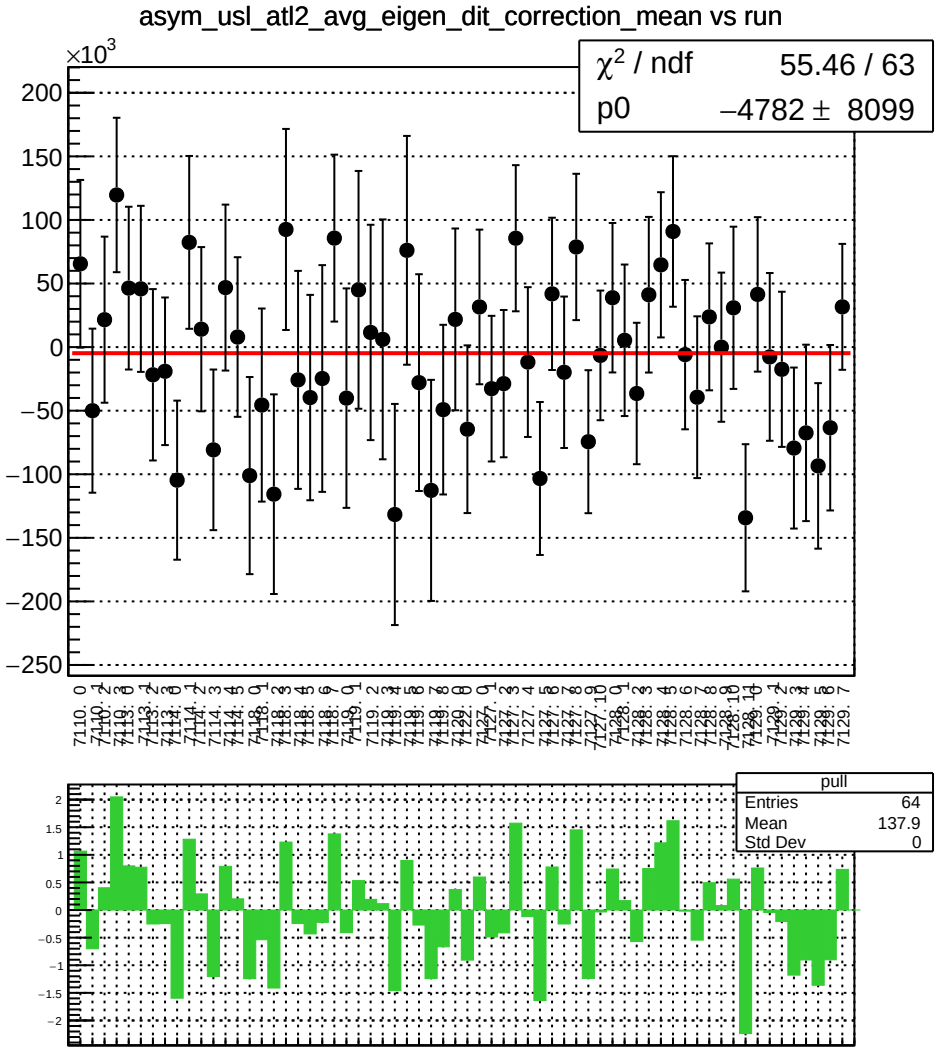

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.46 / 63
p0 −4782 ± 8099
pull
Entries 64
Mean 137.9
Std Dev 0
pull1D
Entries 64
Mean −0.02005
Std Dev 0.9307

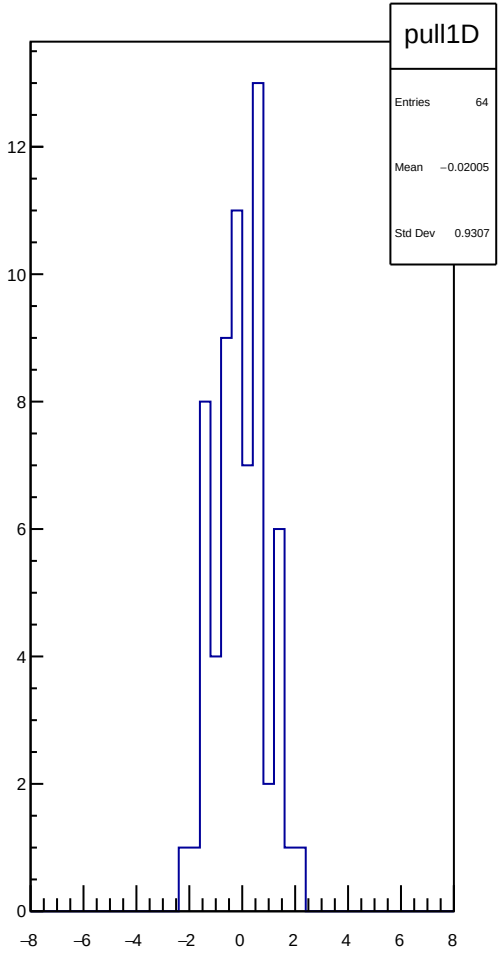

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 2.65e+04 / 63
p0 6273 ± 5.727
9000
8500
8000
7500
7000
6500
6000
5500
5000

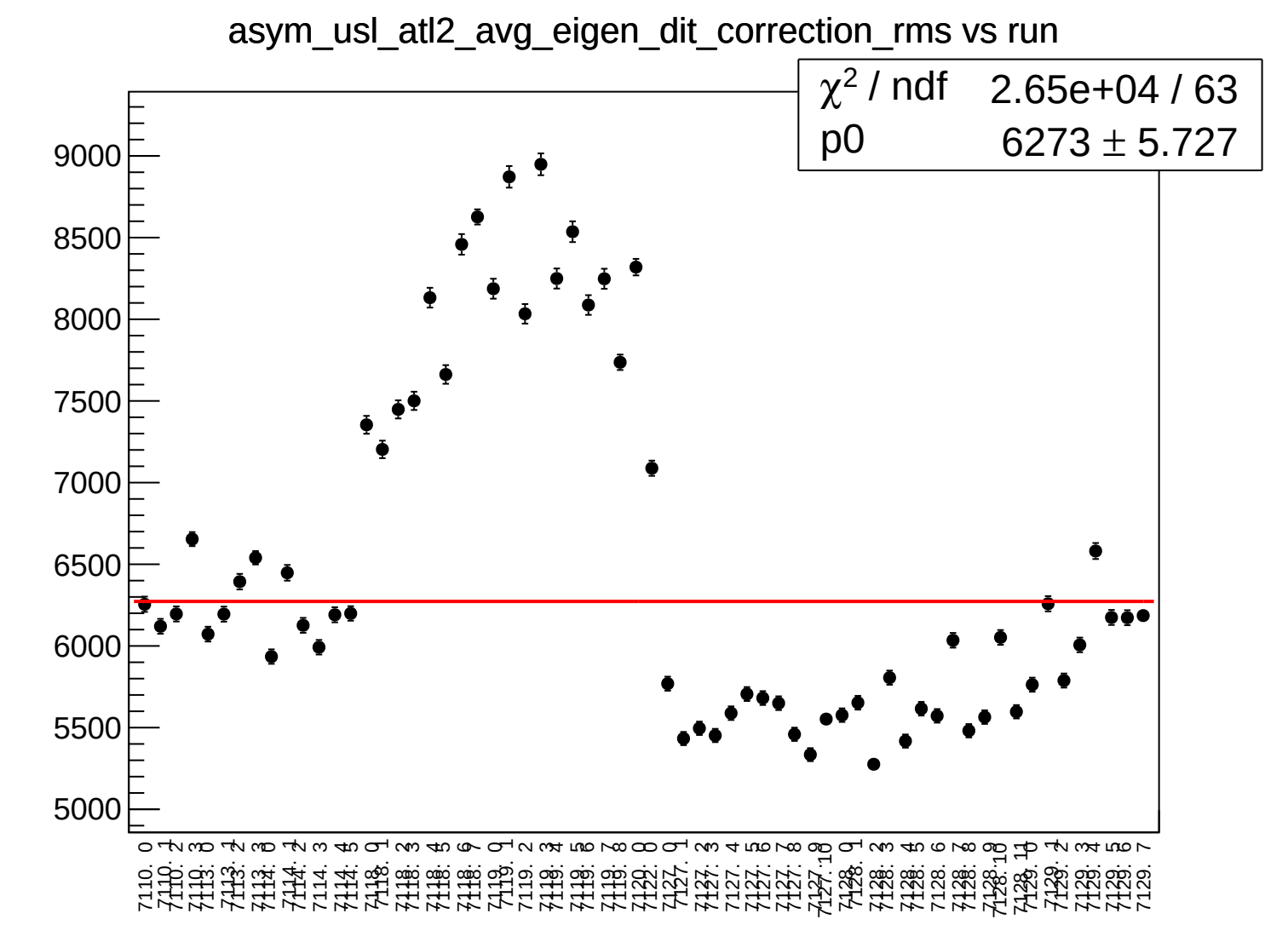

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 42.96 / 63
p0 5074 ± 2075
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −167.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

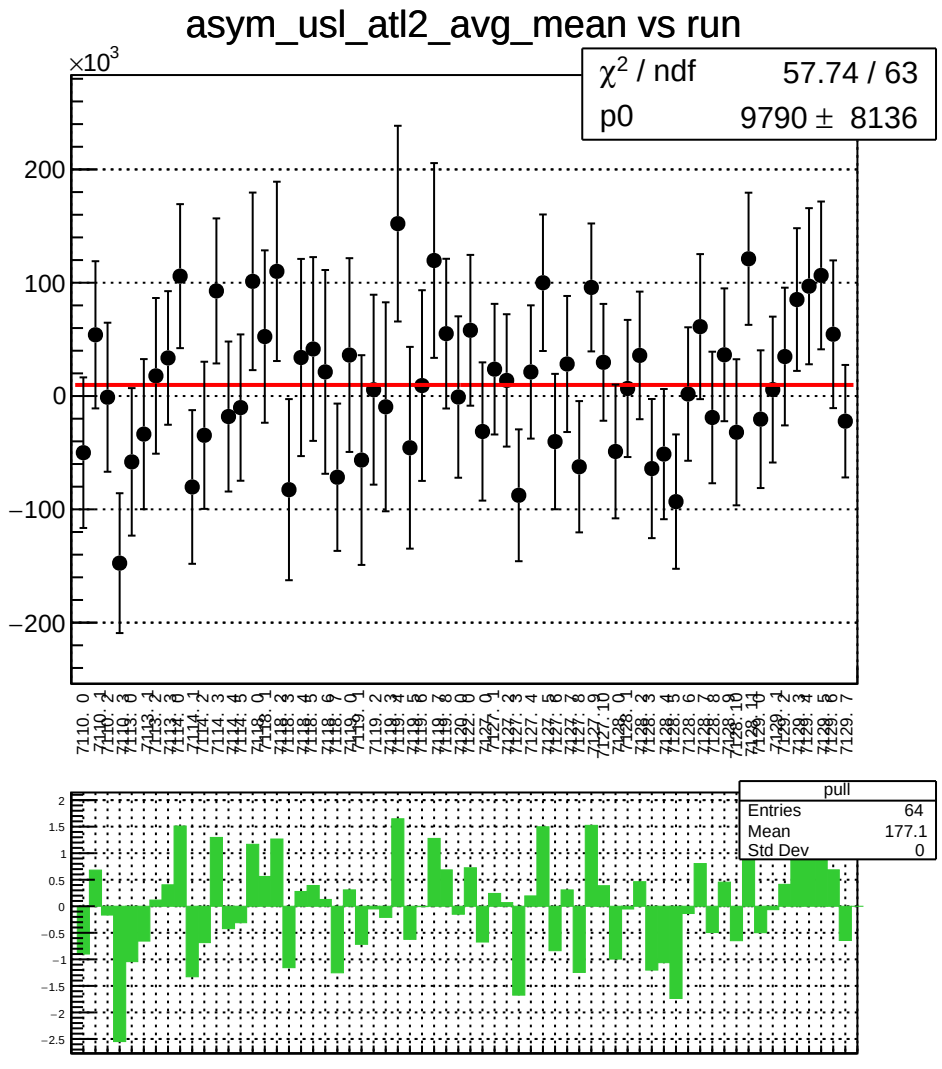

pull1D
Entries 64
Mean −0.01002
Std Dev 0.8193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

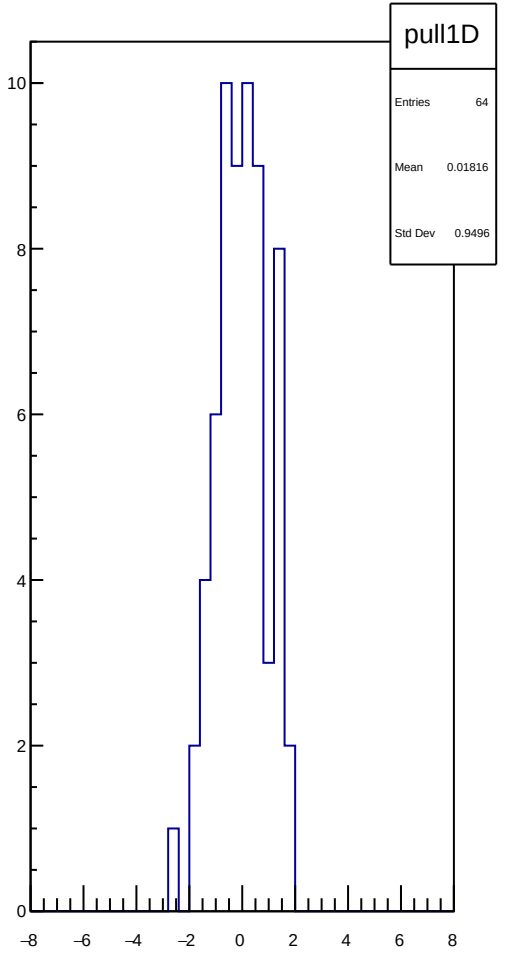

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 622 / 63
p0 1624 ± 1.467
1750
1700
1650
1600
1550

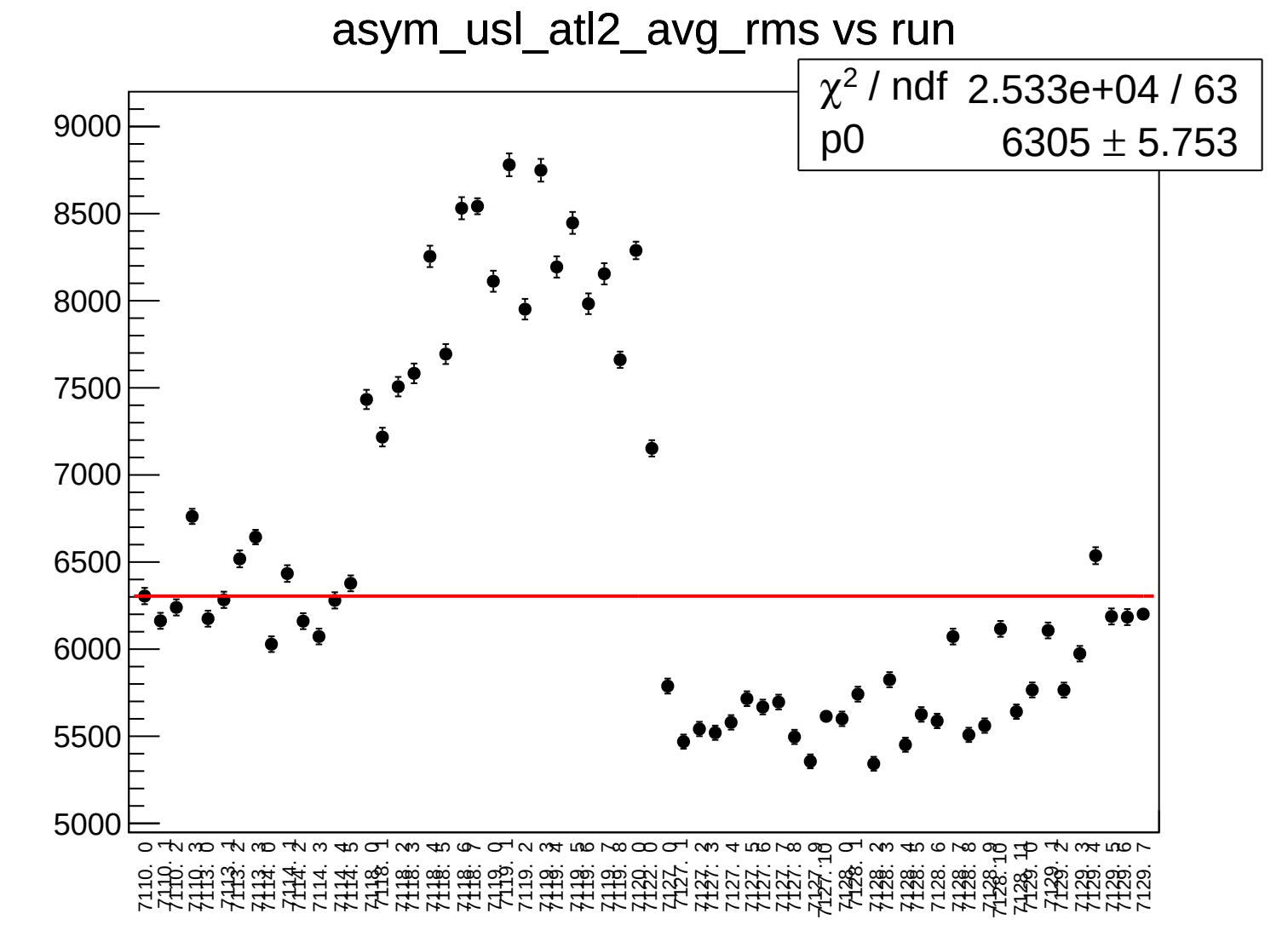

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.46 / 63
p0 −4782 ± 8099
pull
Entries 64
Mean 137.9
Std Dev 0

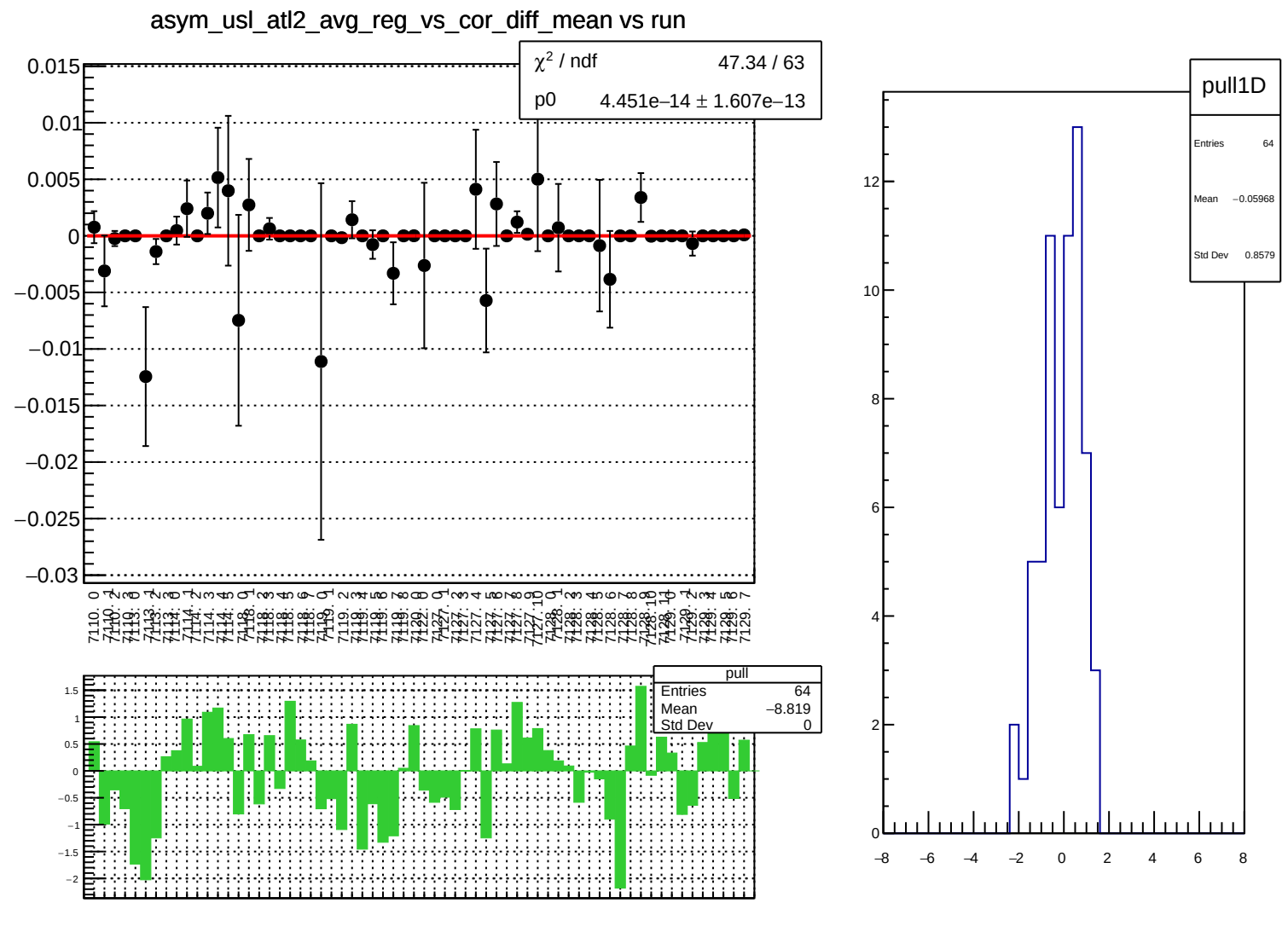

pull1D
Entries 64
Mean −0.02005
Std Dev 0.9307

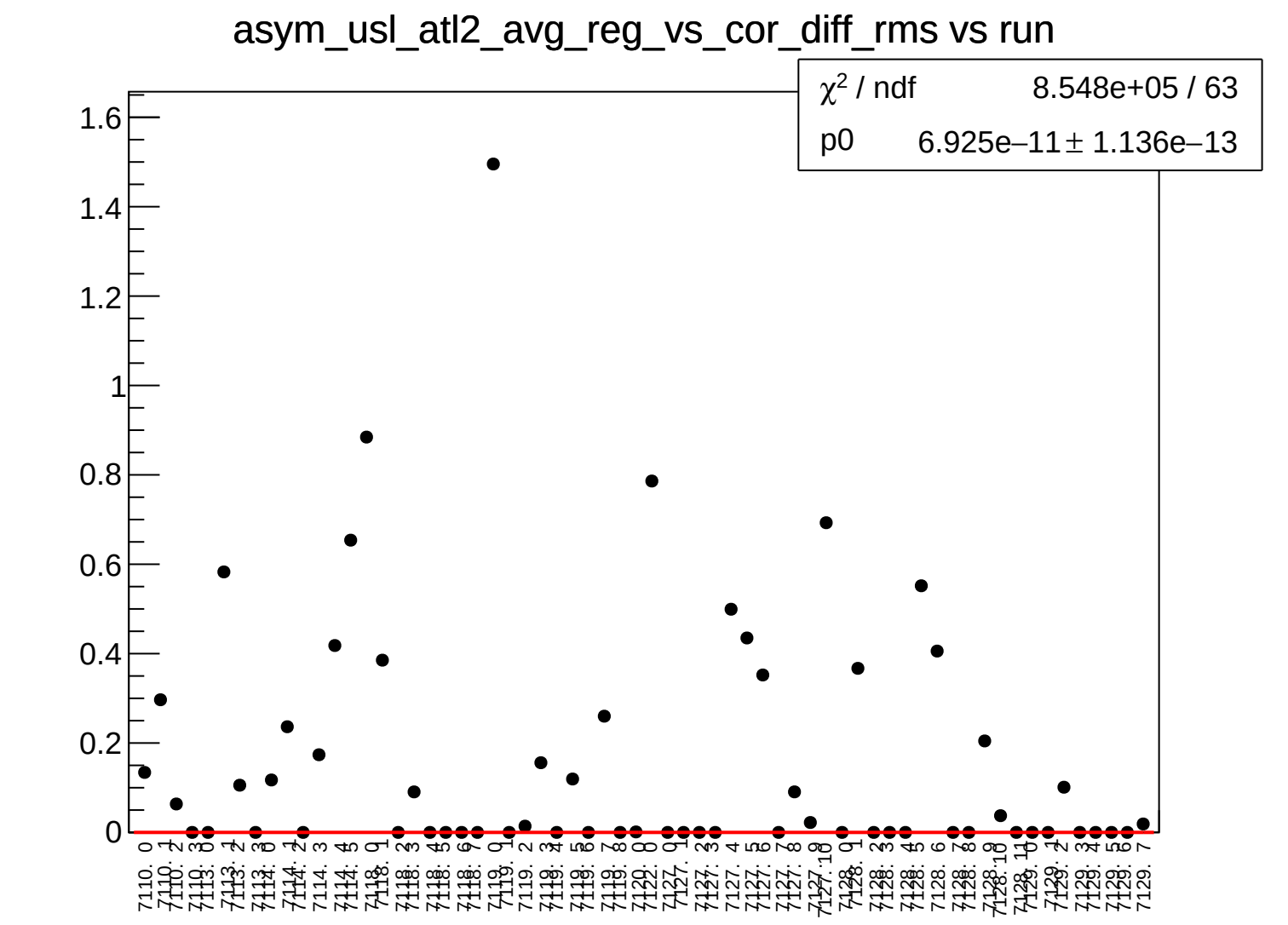

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.65e+04 / 63
p0 6273 ± 5.727
9000
8500
8000
7500
7000
6500
6000
5500
5000

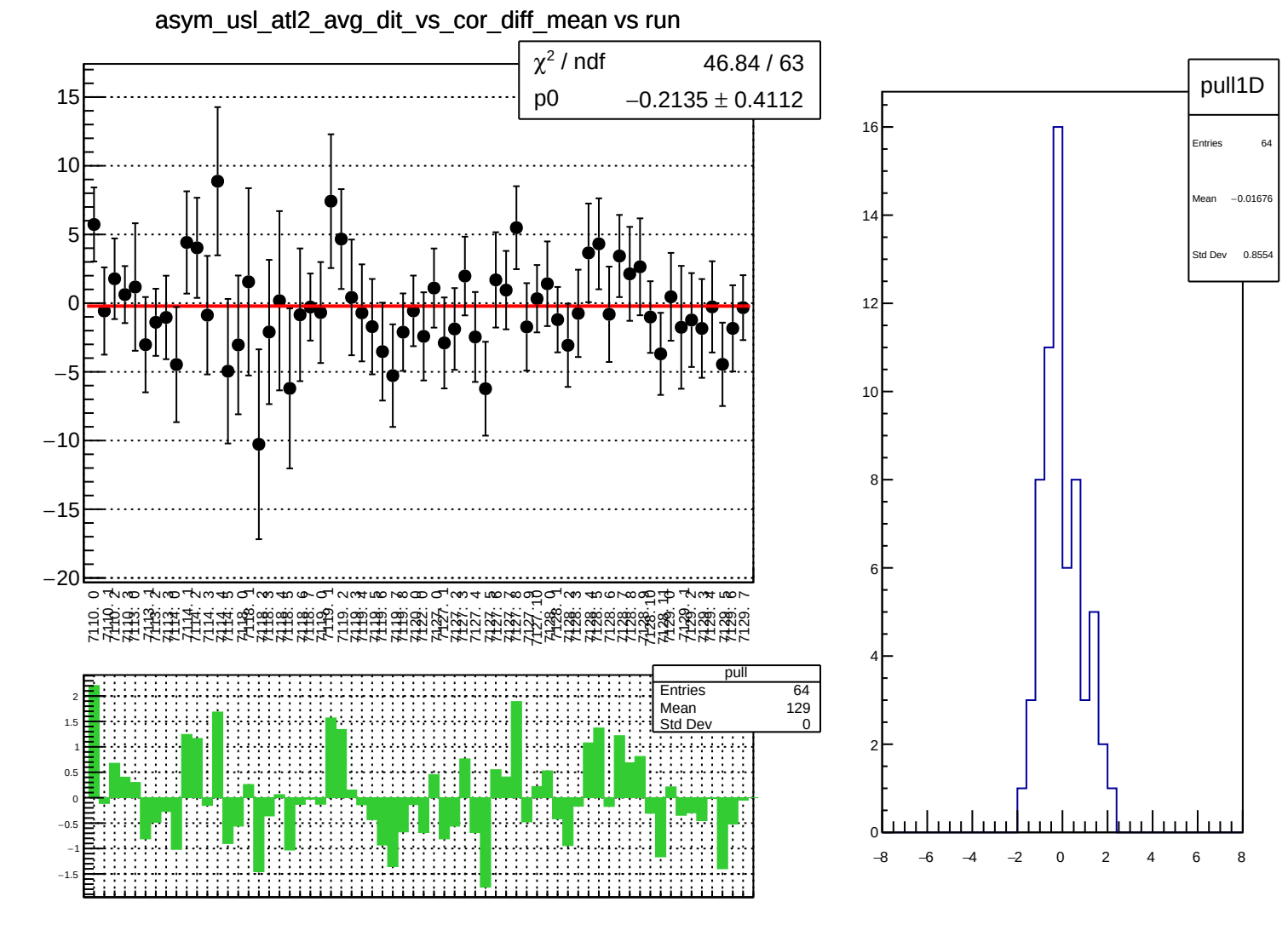

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 57.74 / 63
p0 9790 ± 8136
200
100
0
−100
−200
pull
Entries 64
Mean 177.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

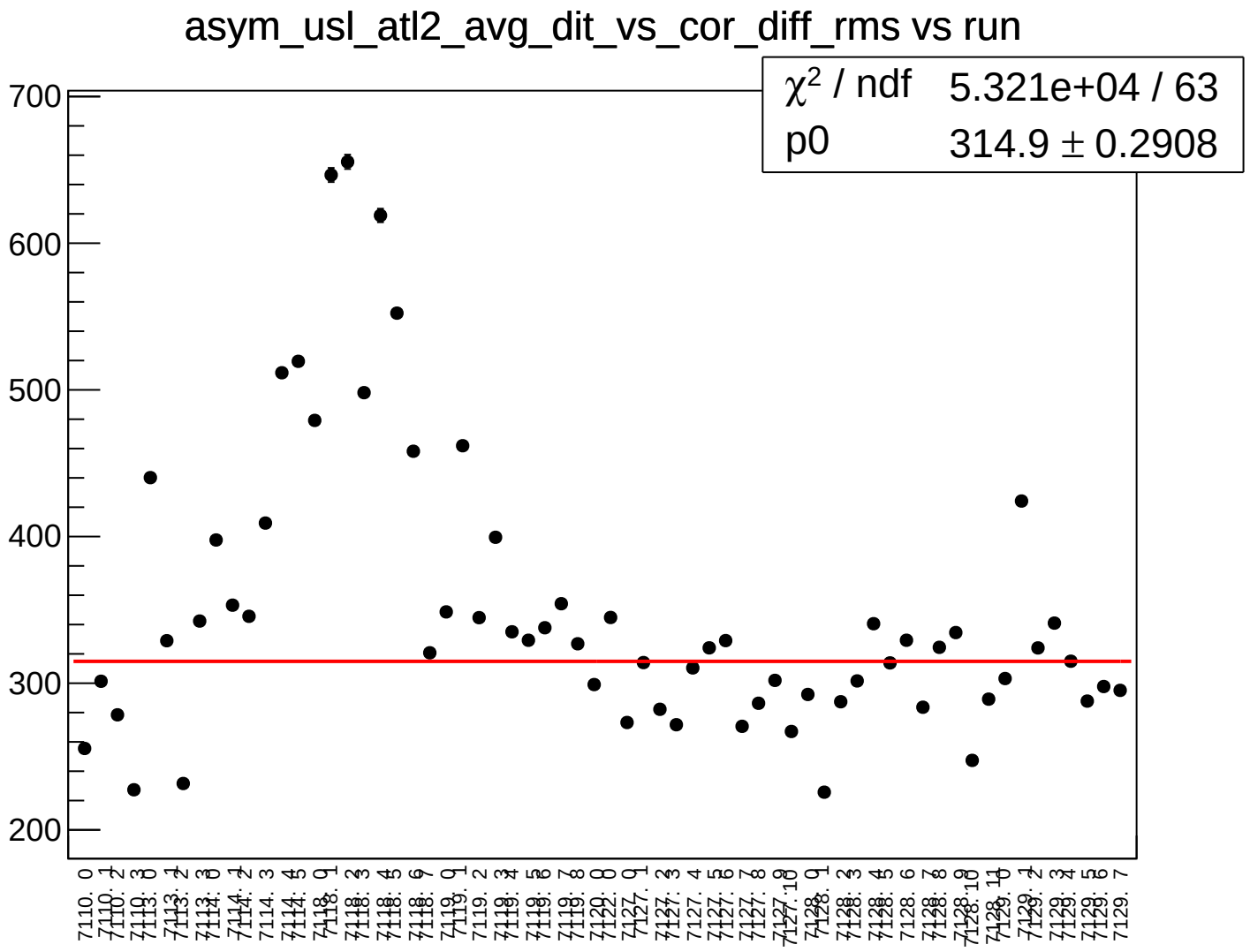

pull1D
Entries 64
Mean 0.01816
Std Dev 0.9496
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

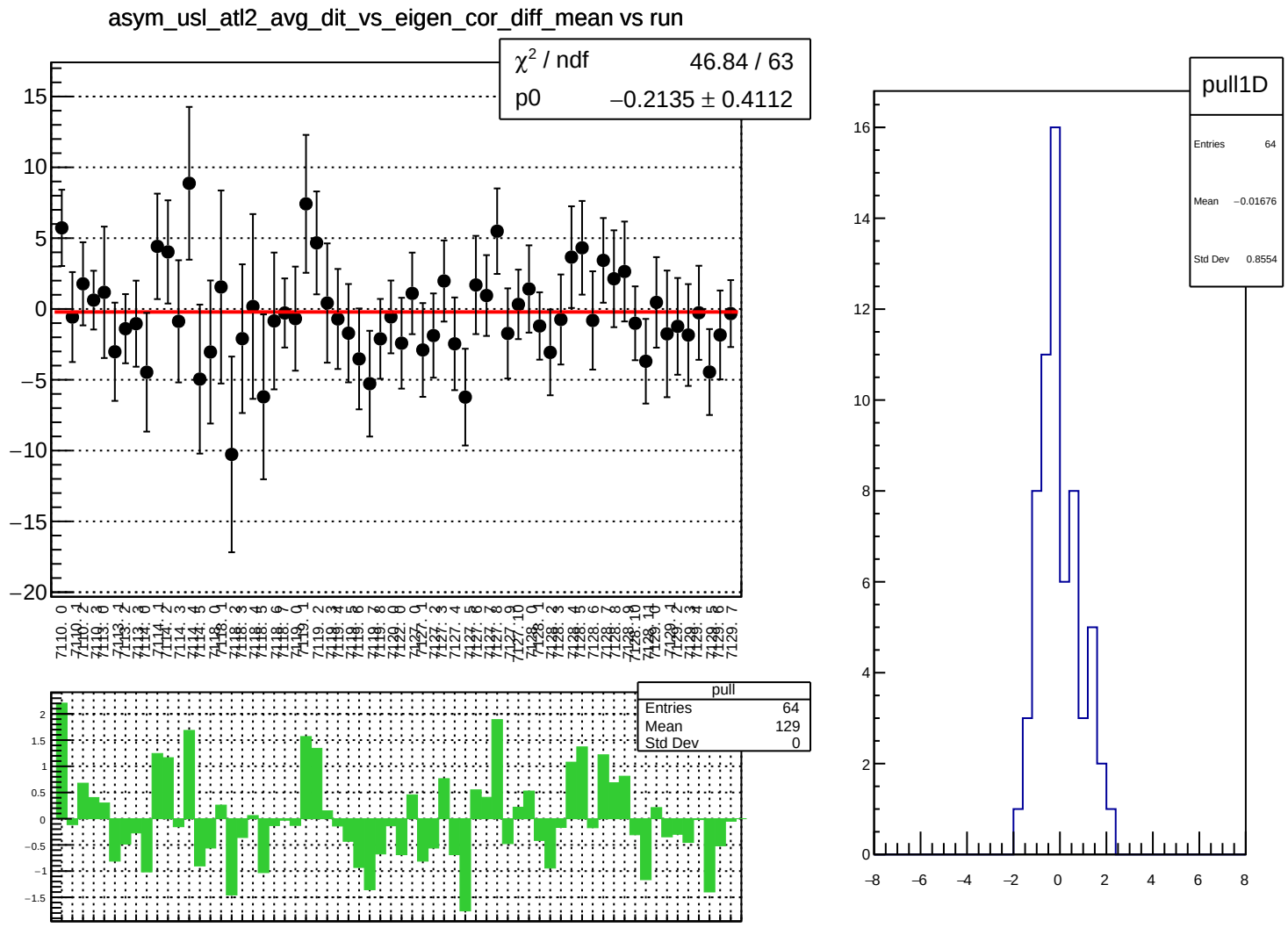

asym_usl_atl2_avg_rms vs run
χ² / ndf 2.533e+04 / 63
p0 6305 ± 5.753
9000
8500
8000
7500
7000
6500
6000
5500
5000

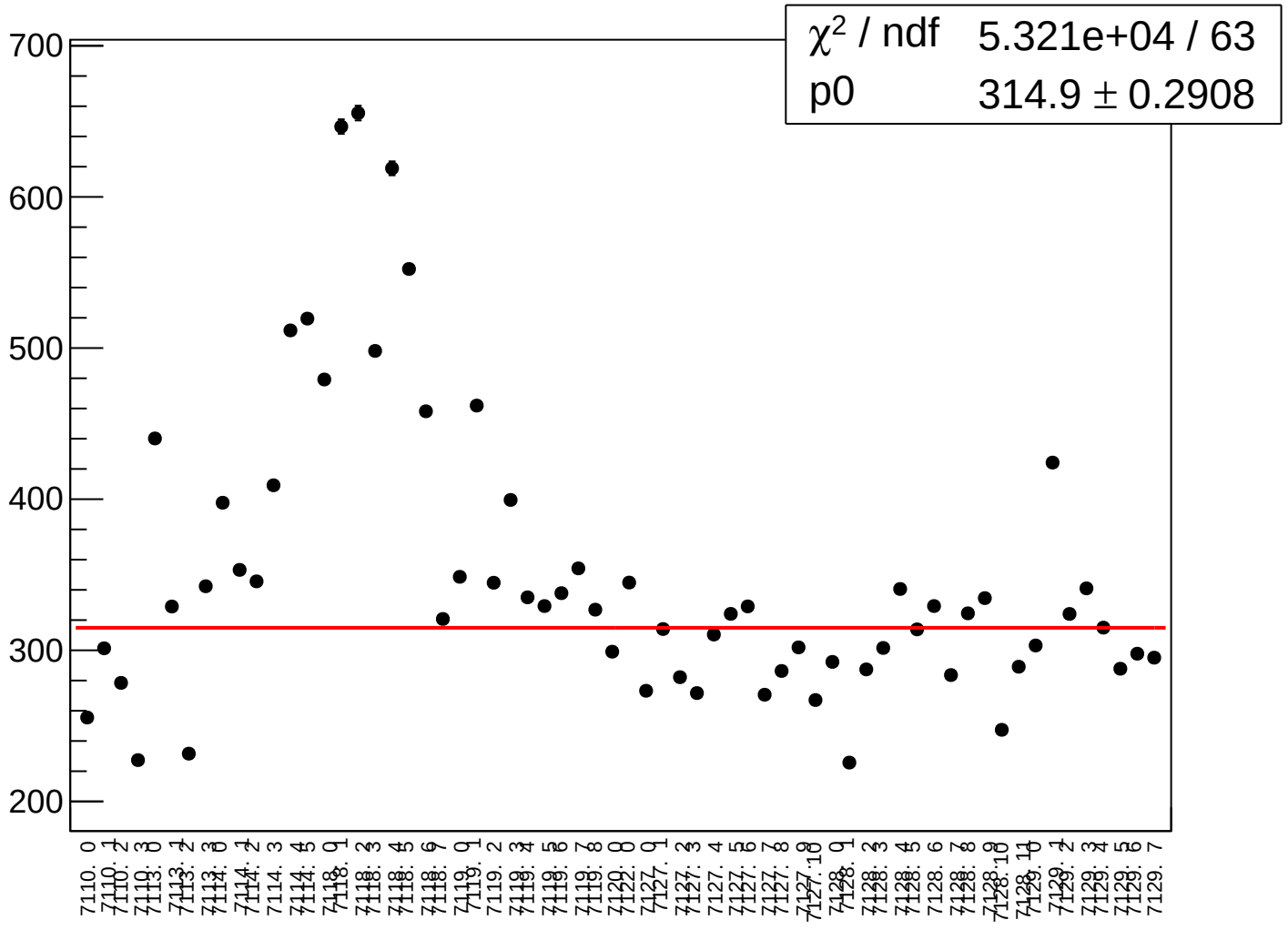

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.34 / 63
p0 4.451e−14 ± 1.607e−13
pull
Entries 64
Mean −8.819
Std Dev 0
pull1D
Entries 64
Mean −0.05968
Std Dev 0.8579

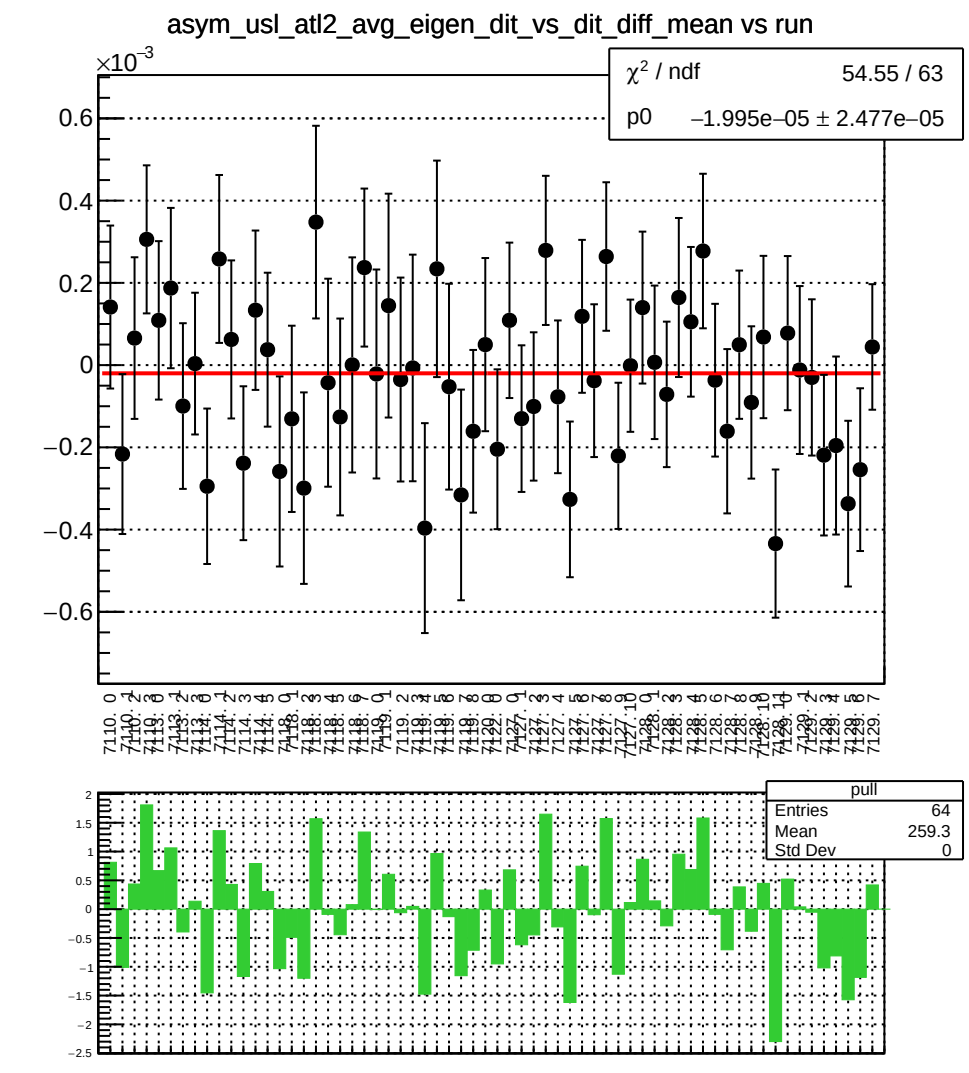

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.548e+05 / 63
p0 6.925e−11 ± 1.136e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

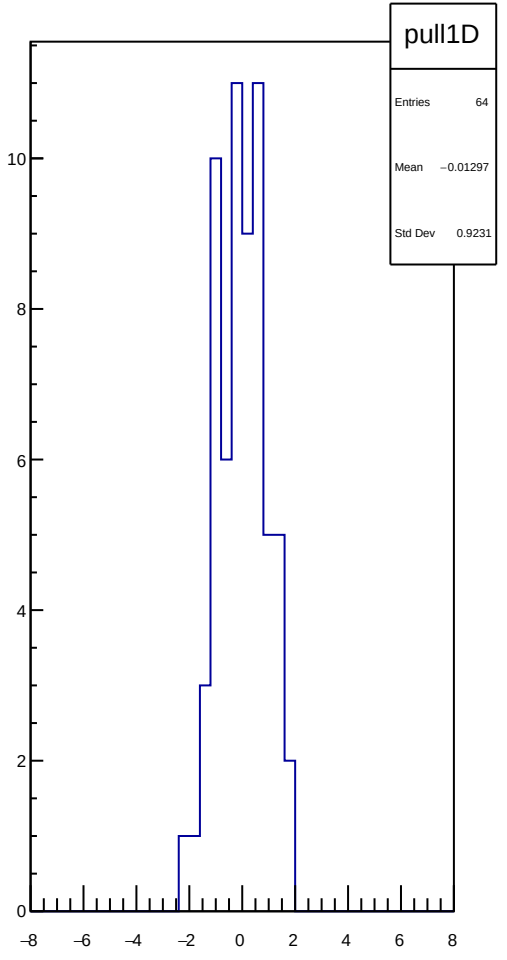

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.84 / 63
p0 −0.2135 ± 0.4112
pull
Entries 64
Mean 129
Std Dev 0
pull1D
Entries 64
Mean −0.01676
Std Dev 0.8554

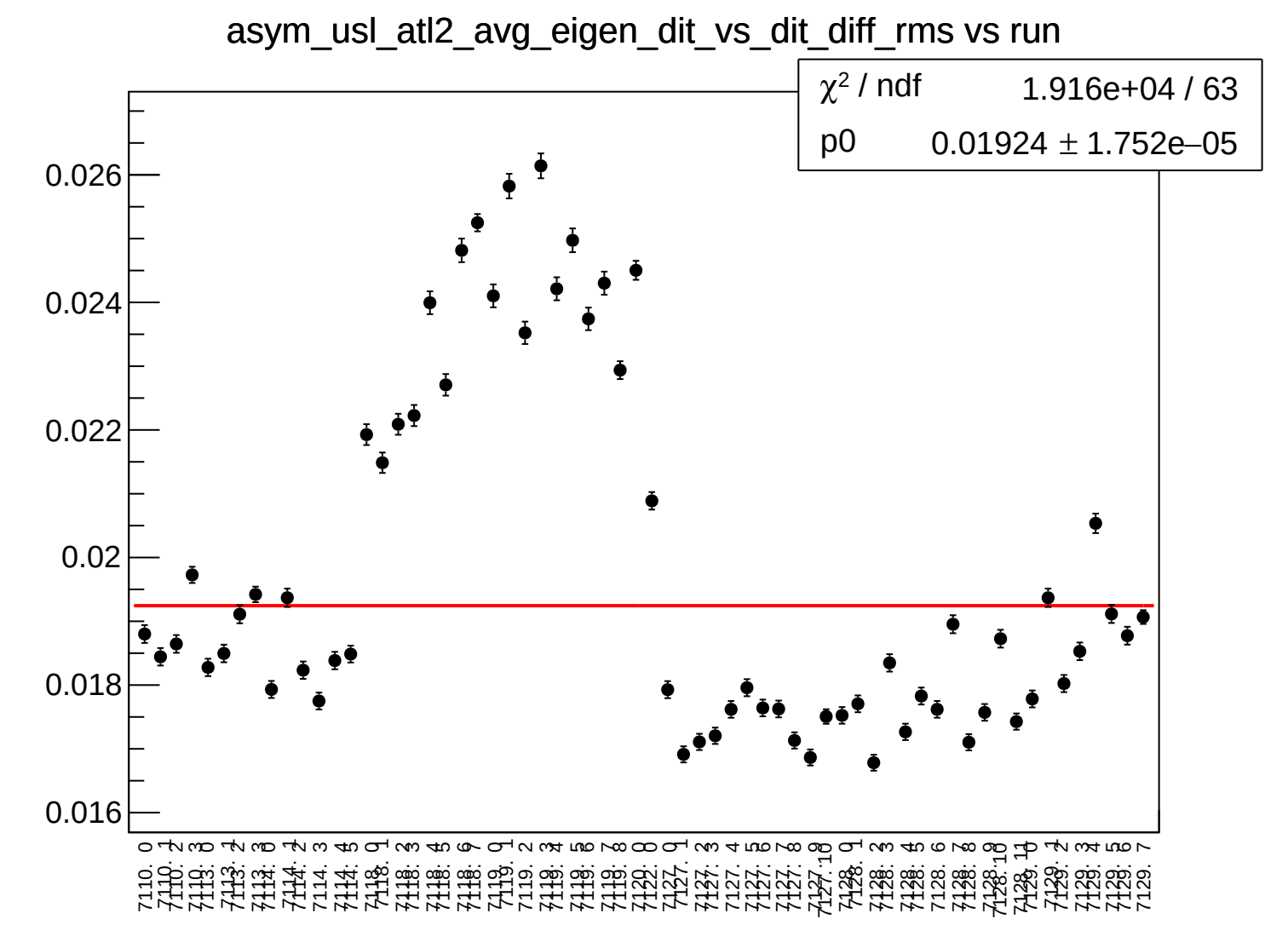

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.321e+04 / 63
p0 314.9 ± 0.2908
700
600
500
400
300
200

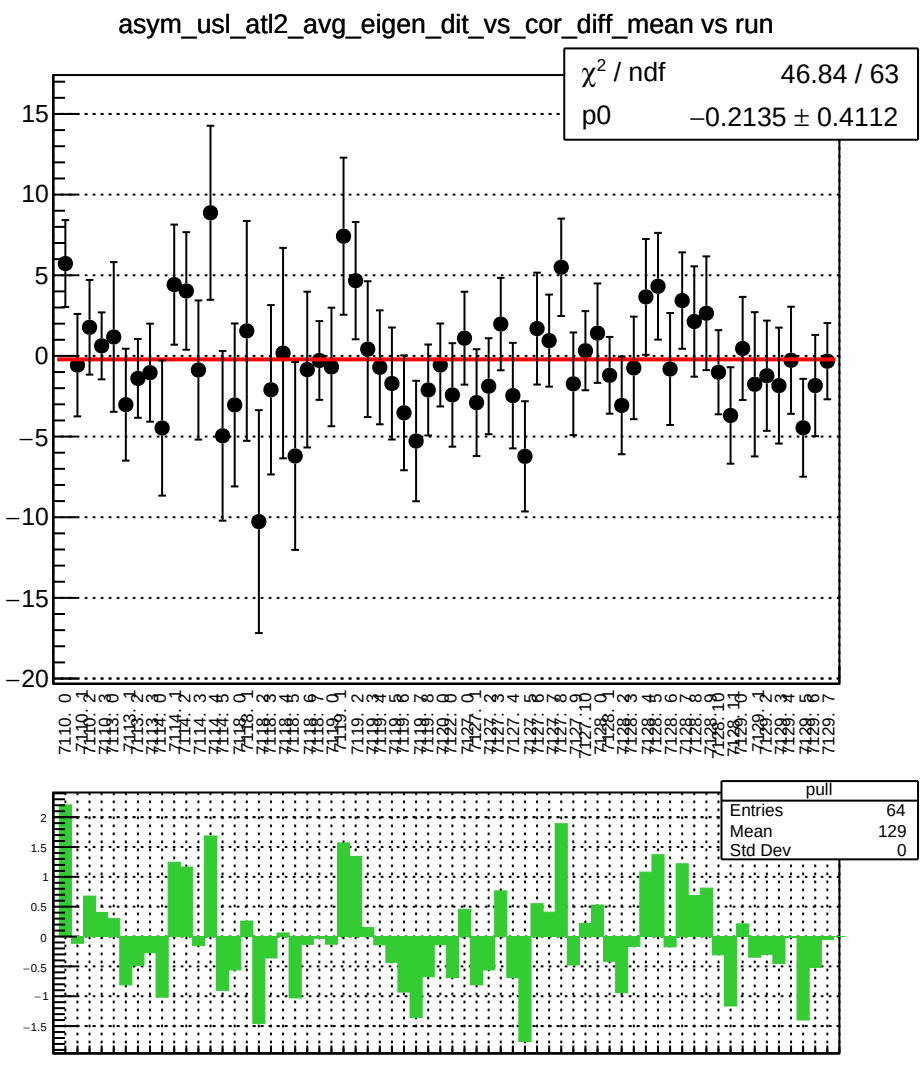

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.84 / 63
p0 −0.2135 ± 0.4112
pull
Entries 64
Mean 129
Std Dev 0
pull1D
Entries 64
Mean −0.01676
Std Dev 0.8554

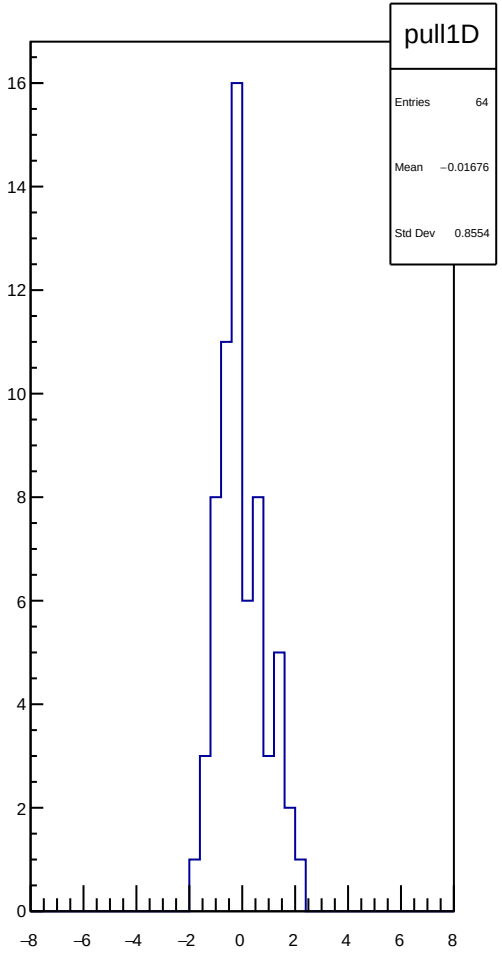

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.321e+04 / 63
p0 314.9 ± 0.2908
700
600
500
400
300
200

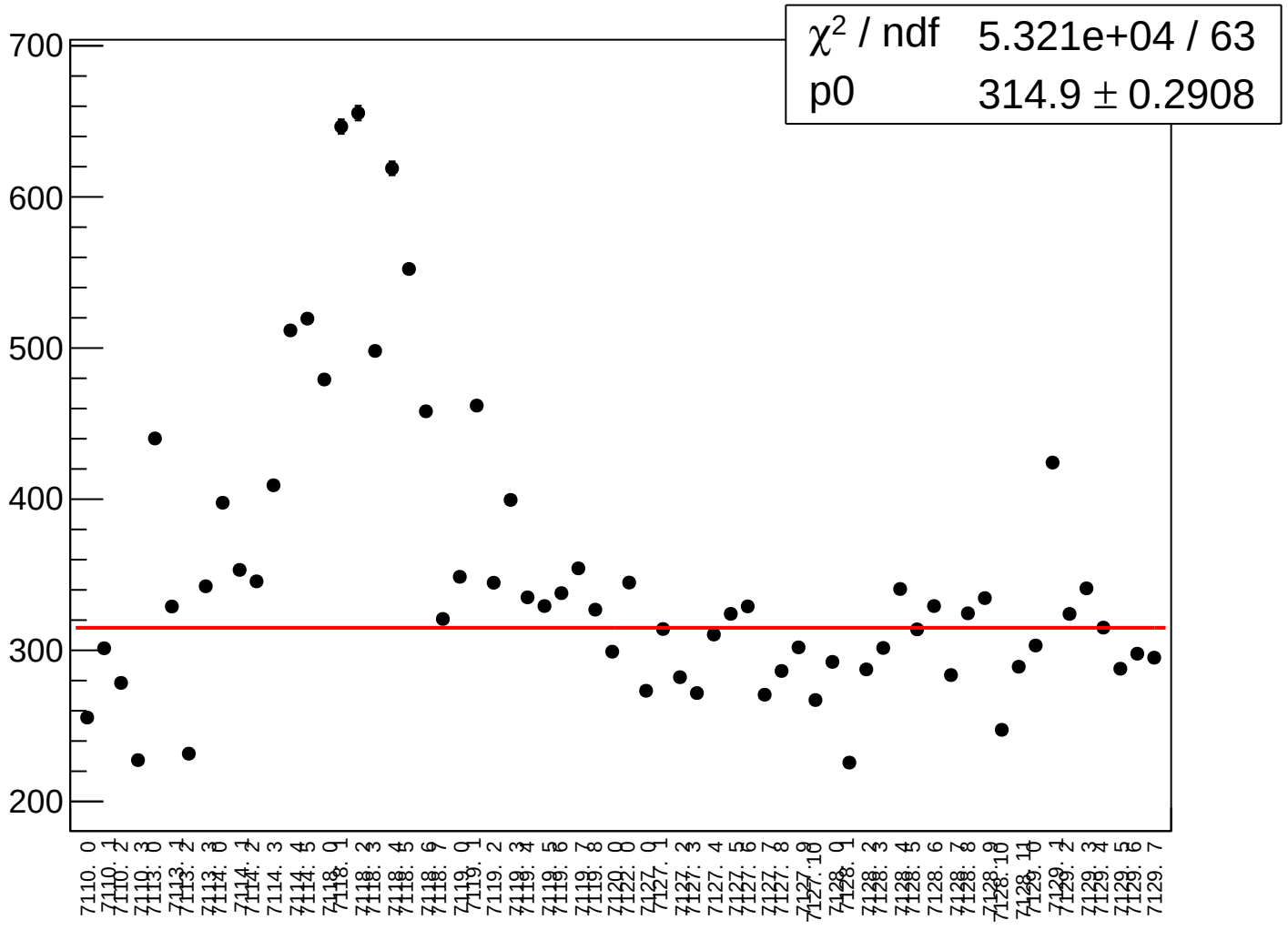

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.55 / 63
p0 −1.995e−05 ± 2.477e−05
pull
Entries 64
Mean 259.3
Std Dev 0

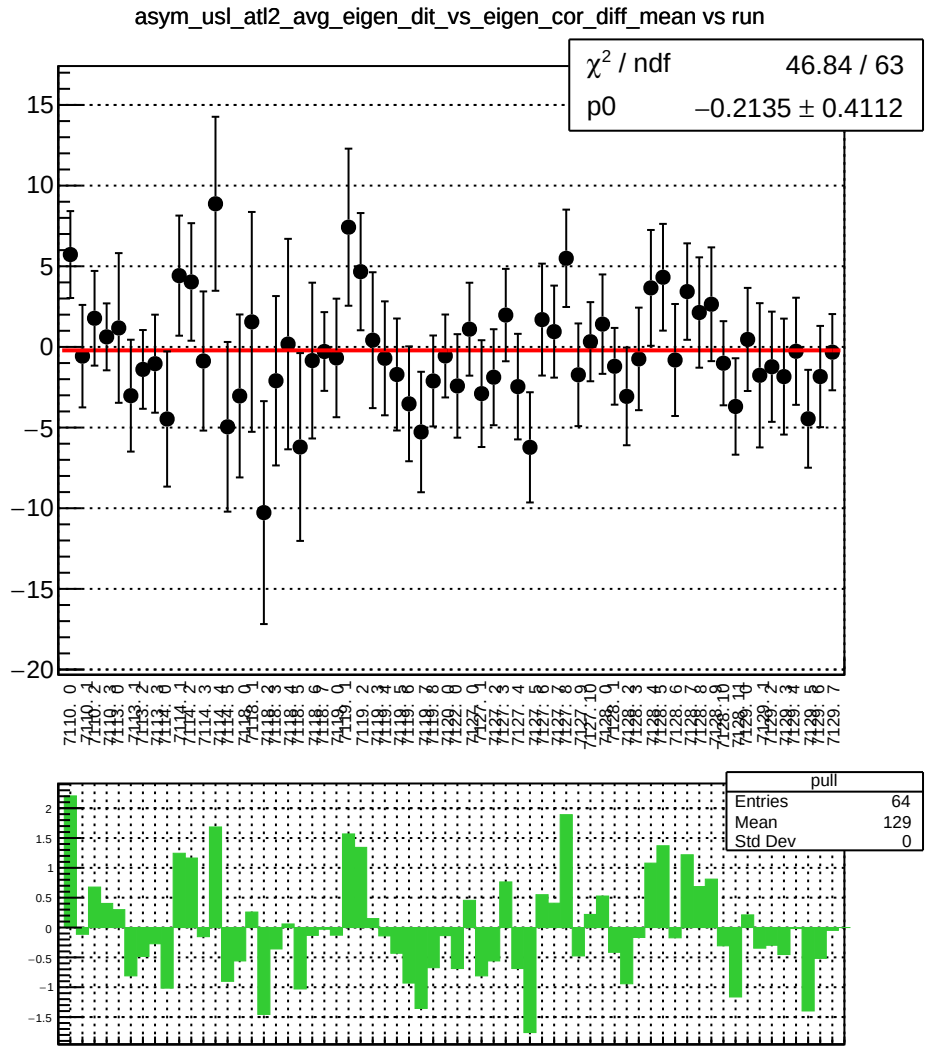

pull1D
Entries 64
Mean −0.01297
Std Dev 0.9231

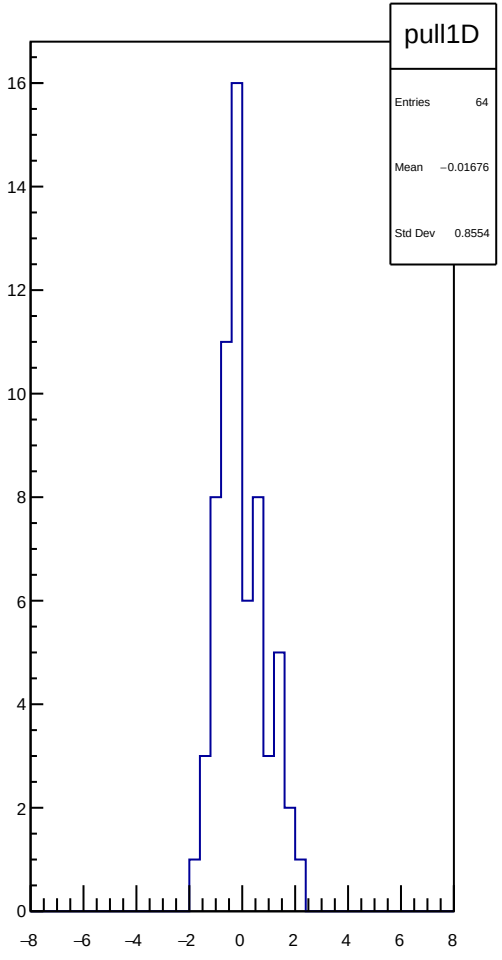

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.916e+04 / 63
p0 0.01924 ± 1.752e–05
0.026
0.024
0.022
0.02
0.018
0.016

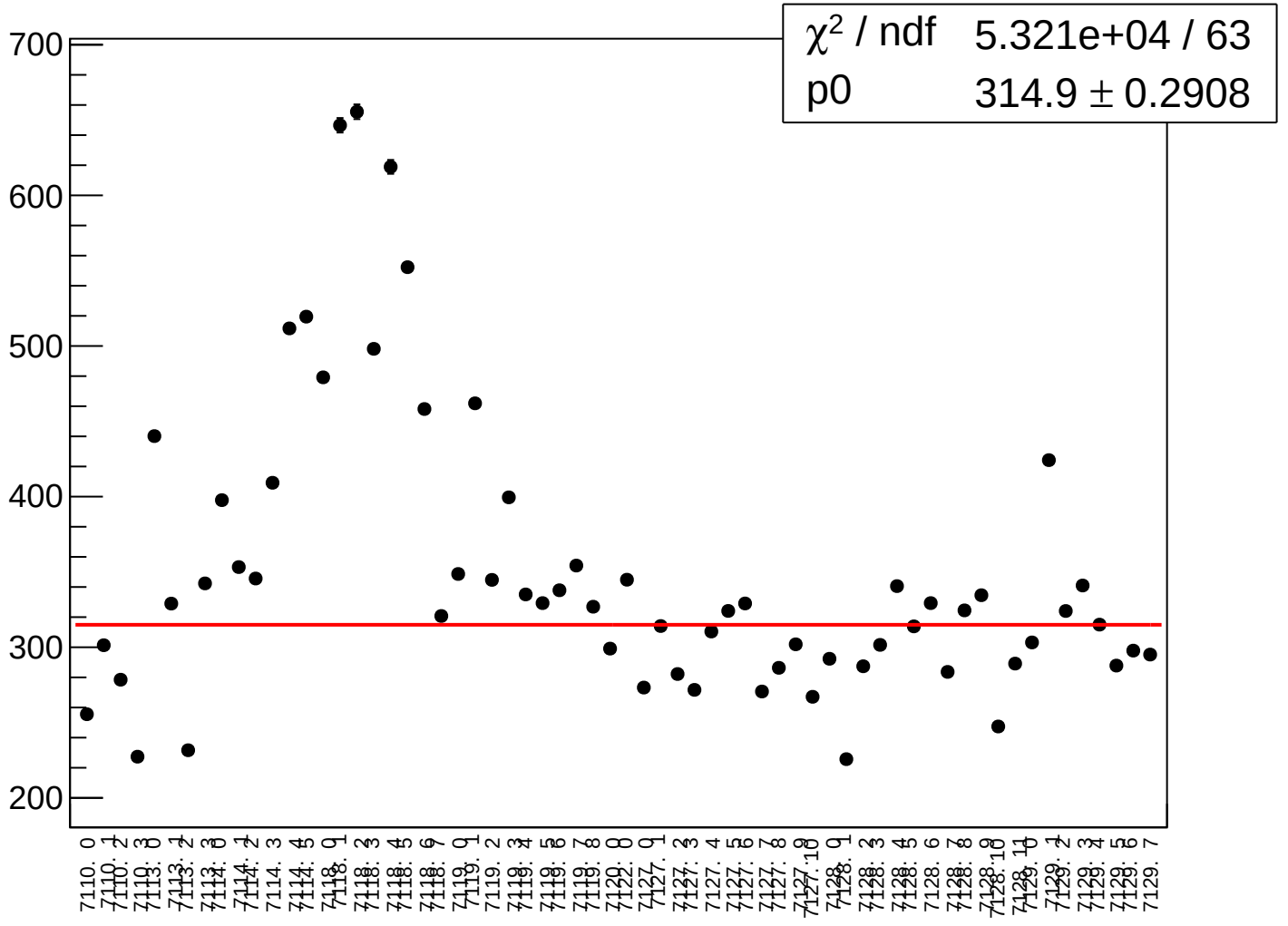

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.84 / 63
p0 −0.2135 ± 0.4112
pull
Entries 64
Mean 129
Std Dev 0

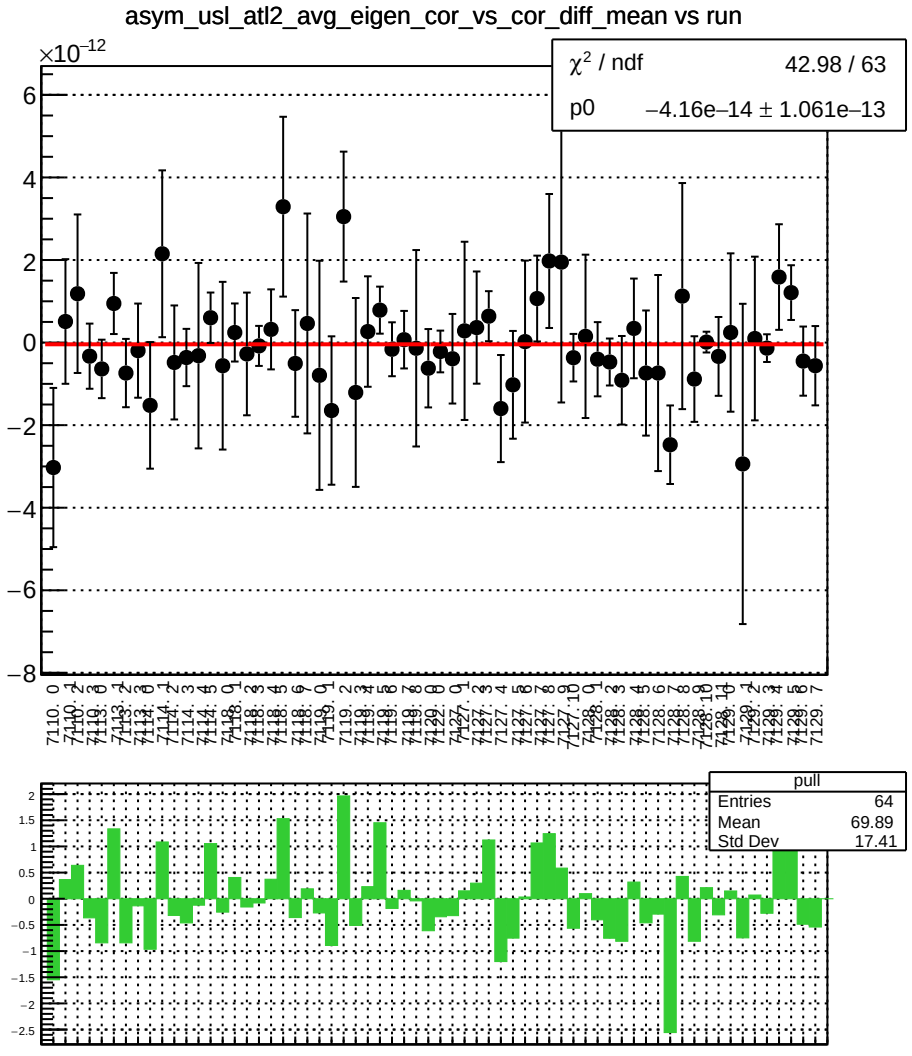

pull1D
Entries 64
Mean −0.01676
Std Dev 0.8554

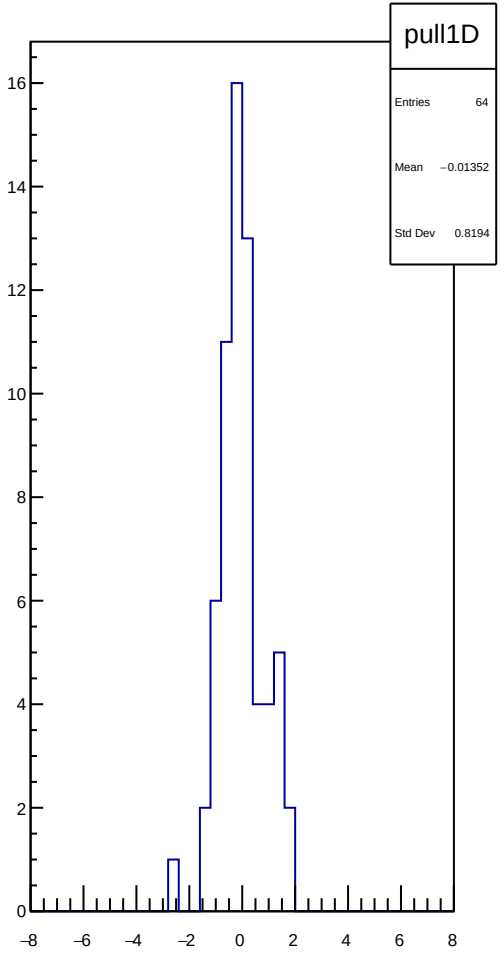

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.321e+04 / 63
p0 314.9 ± 0.2908
700
600
500
400
300
200

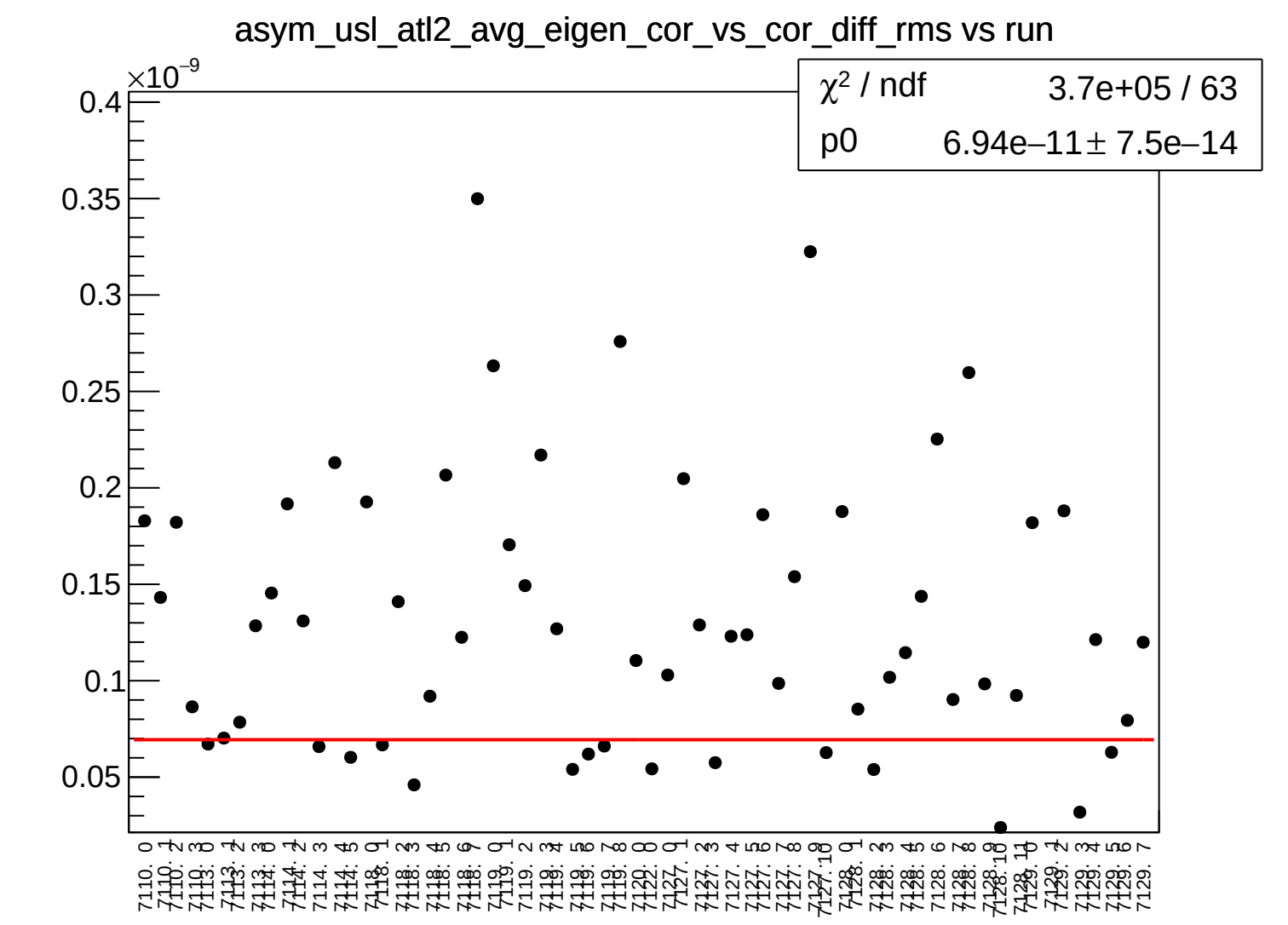

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.84 / 63
p0 −0.2135 ± 0.4112
pull
Entries 64
Mean 129
Std Dev 0

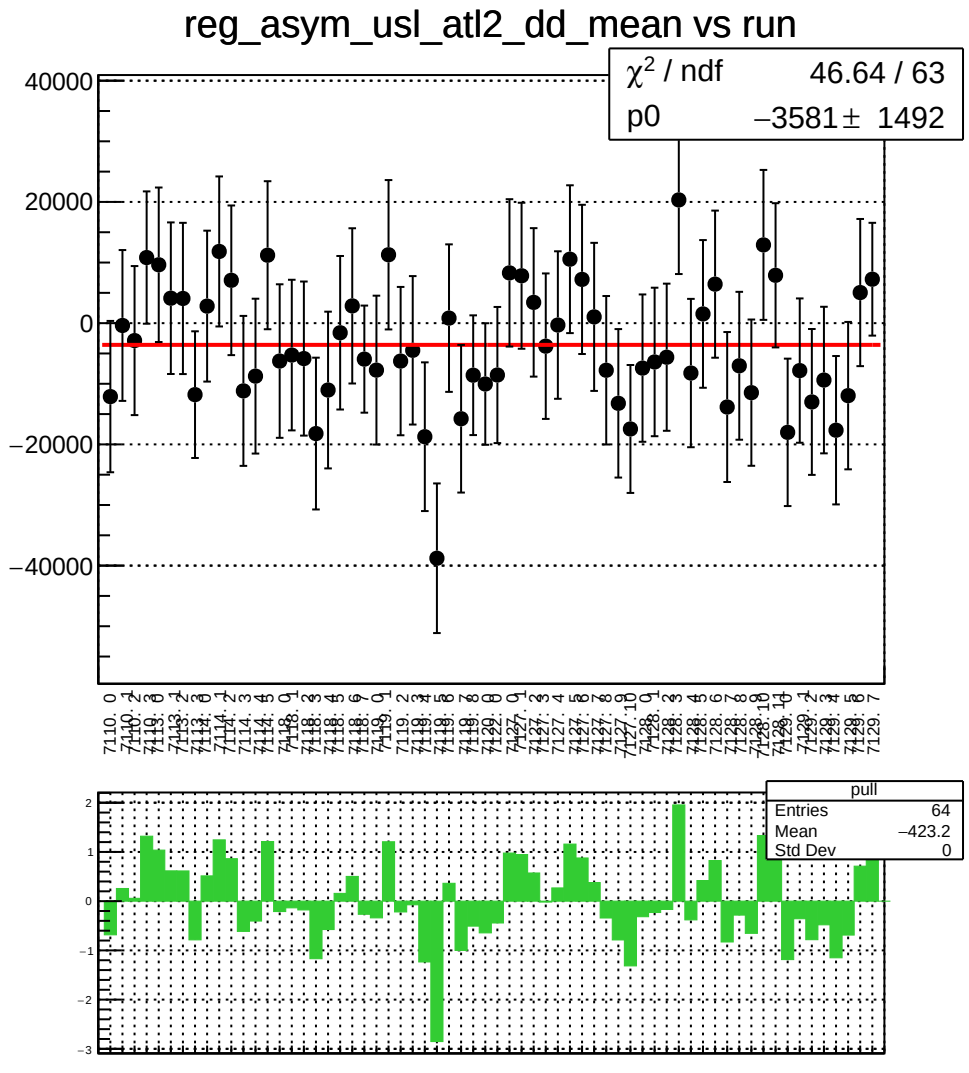

pull1D
Entries 64
Mean −0.01676
Std Dev 0.8554

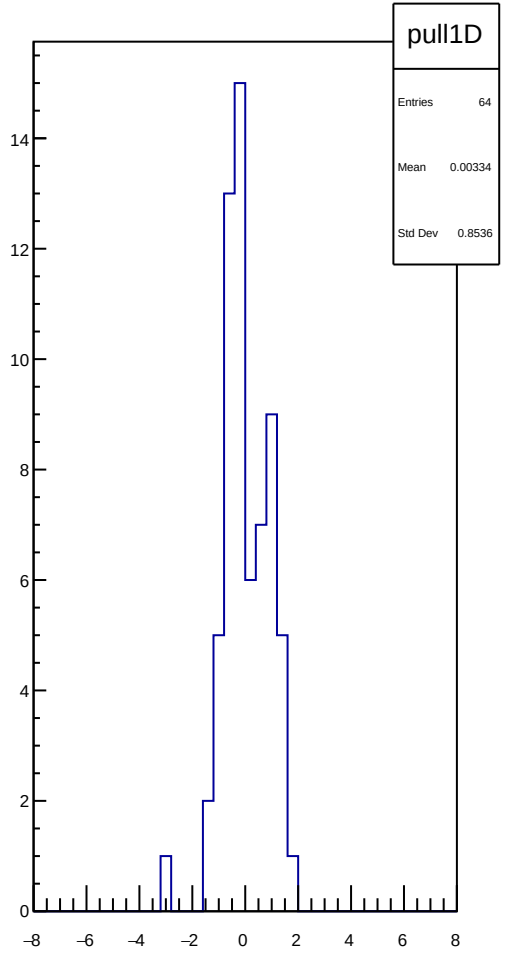

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.321e+04 / 63
p0 314.9 ± 0.2908
700
600
500
400
300
200

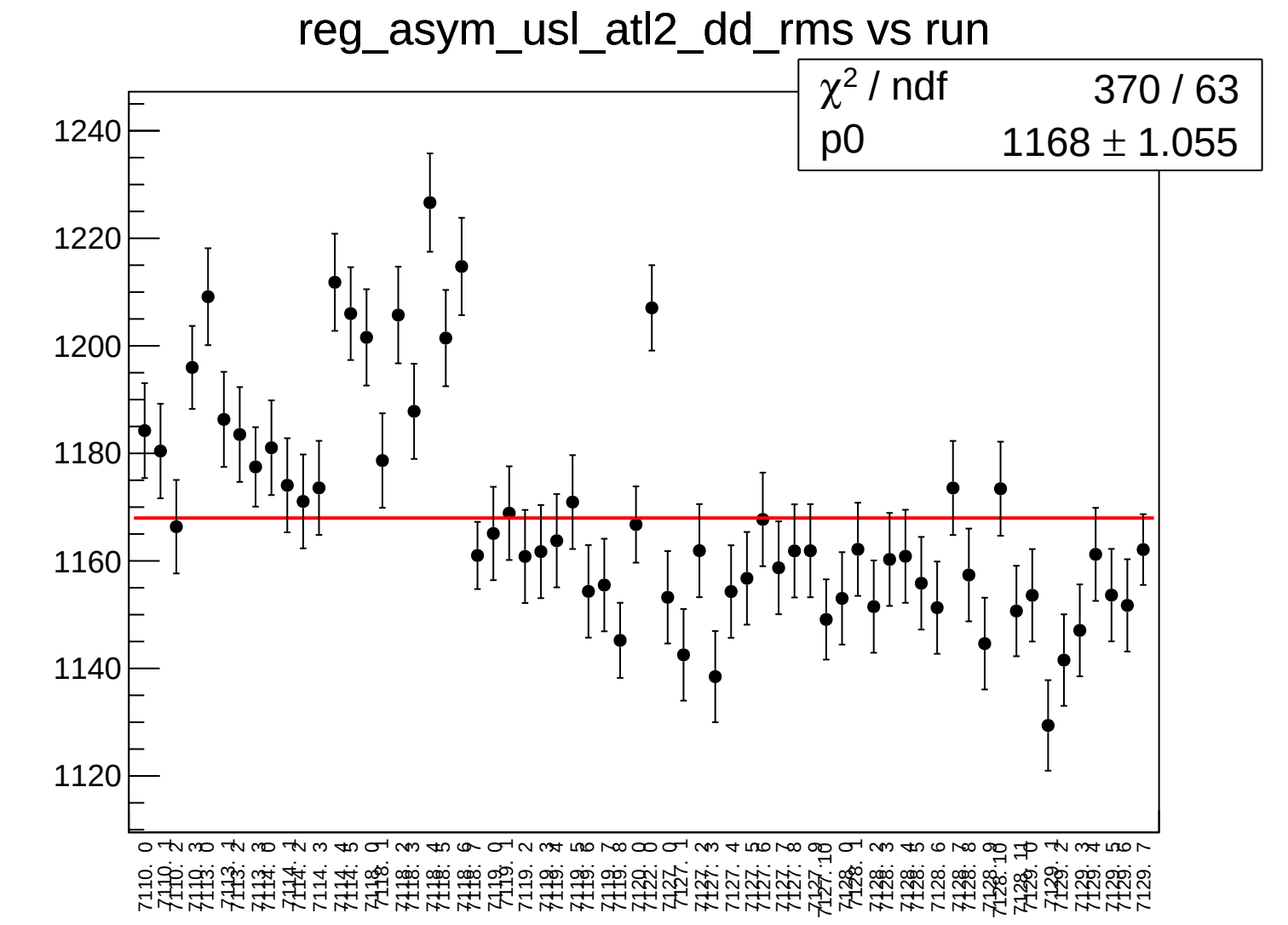

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.98 / 63
p0 −4.16e−14 ± 1.061e−13
pull
Entries 64
Mean 69.89
Std Dev 17.41

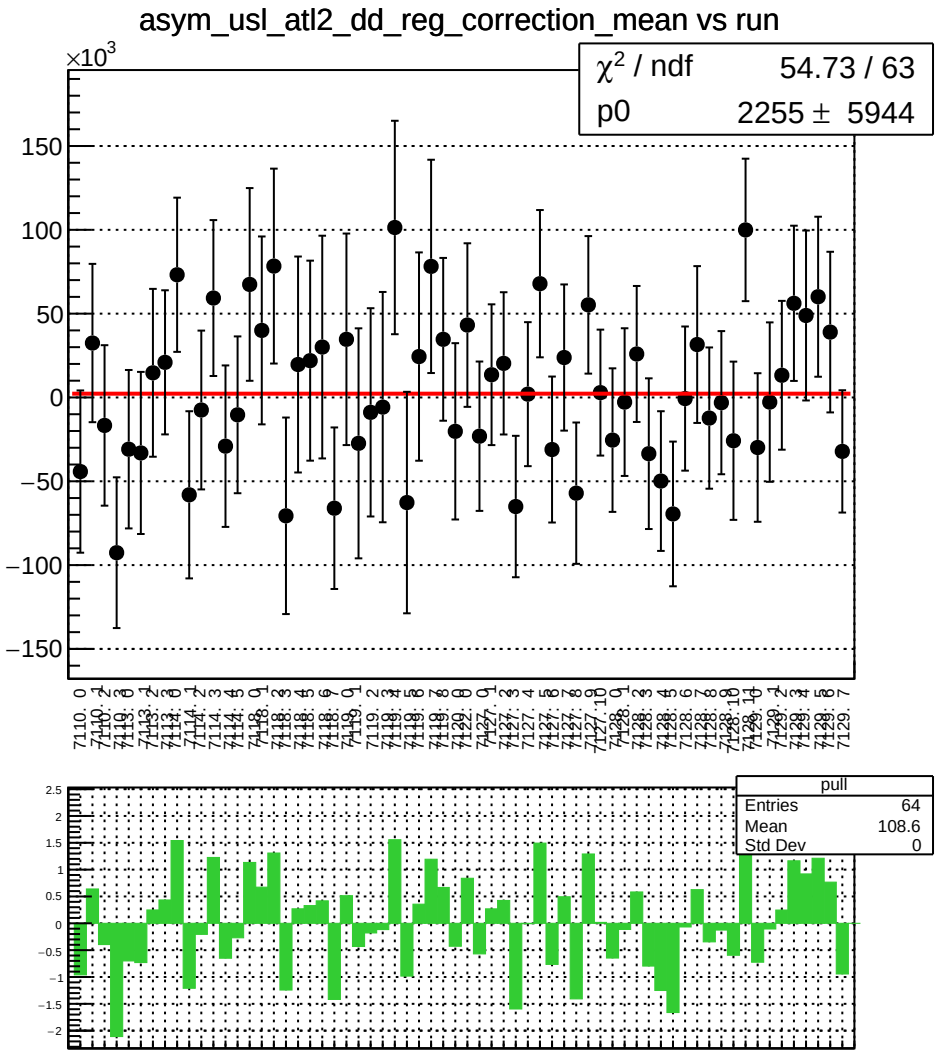

pull1D
Entries 64
Mean −0.01352
Std Dev 0.8194

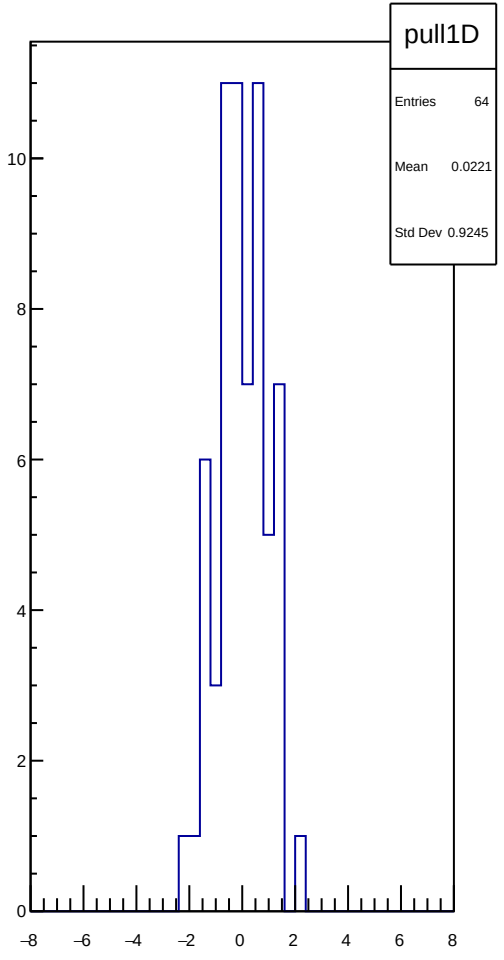

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.7e+05 / 63
p0 6.94e−11 ± 7.5e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

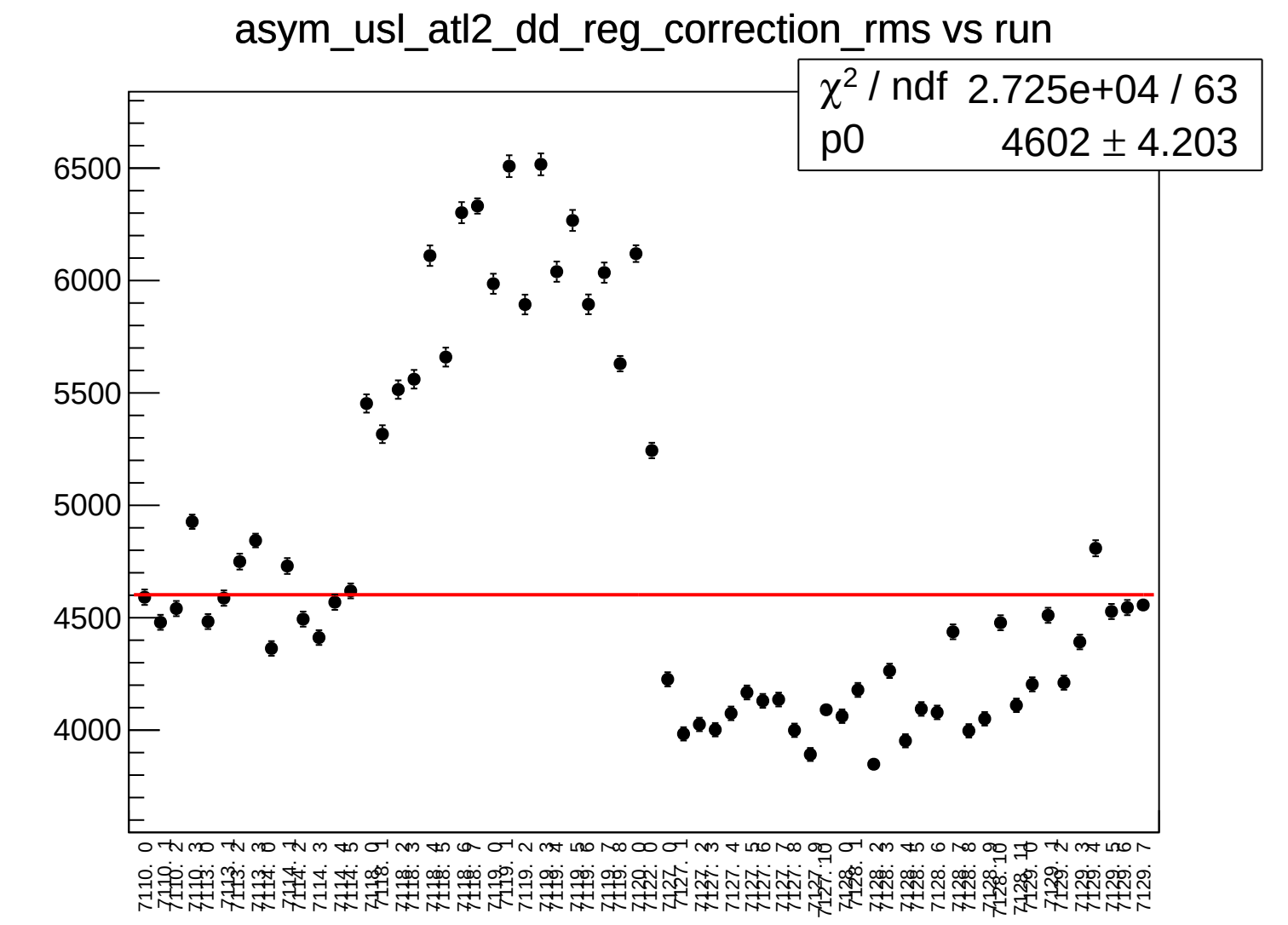

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 46.64 / 63
p0 −3581 ± 1492
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −423.2
Std Dev 0
2
1
0
−1
−2
−3

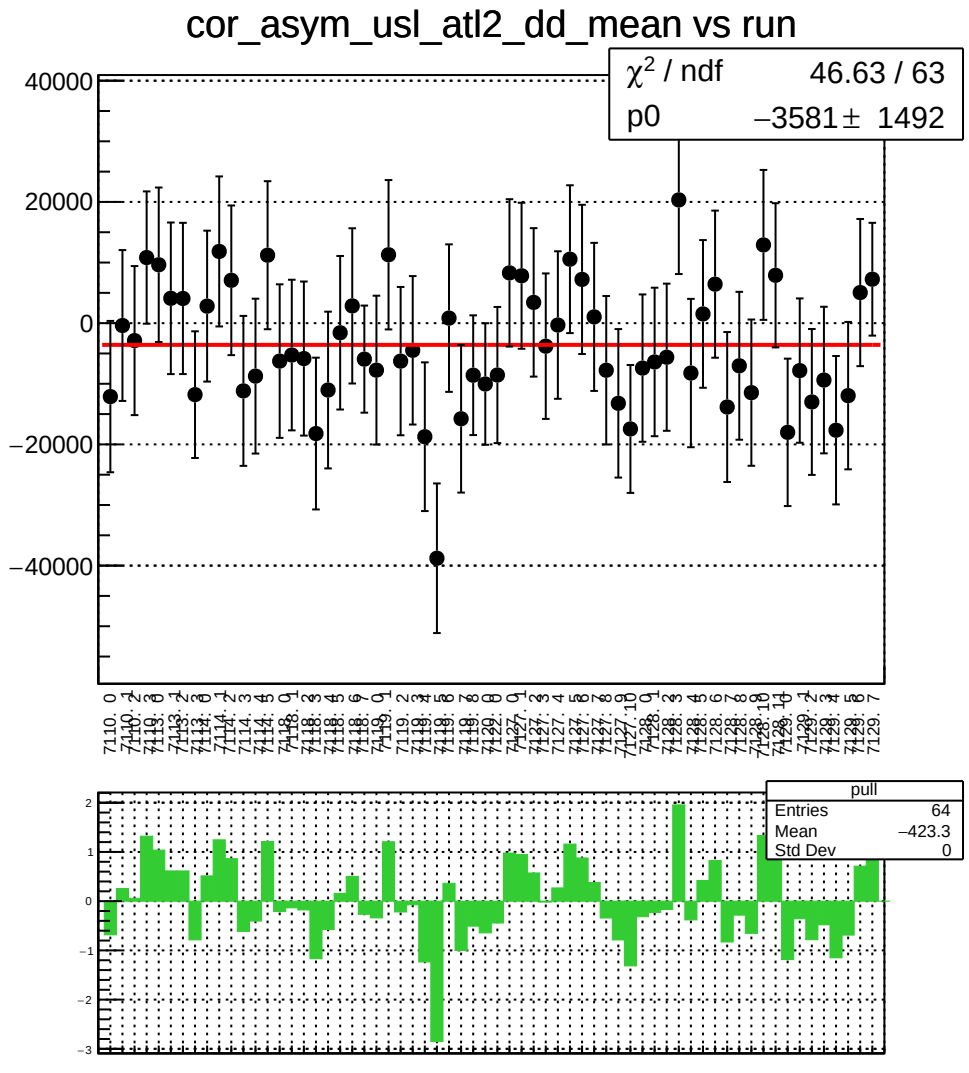

pull1D
Entries 64
Mean 0.00334
Std Dev 0.8536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

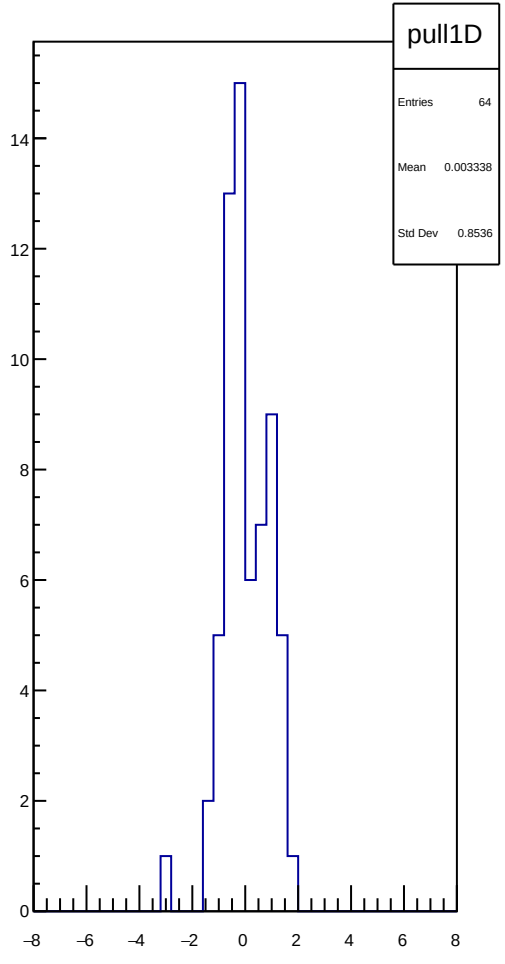

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 370 / 63
p0 1168 ± 1.055
1240
1220
1200
1180
1160
1140
1120

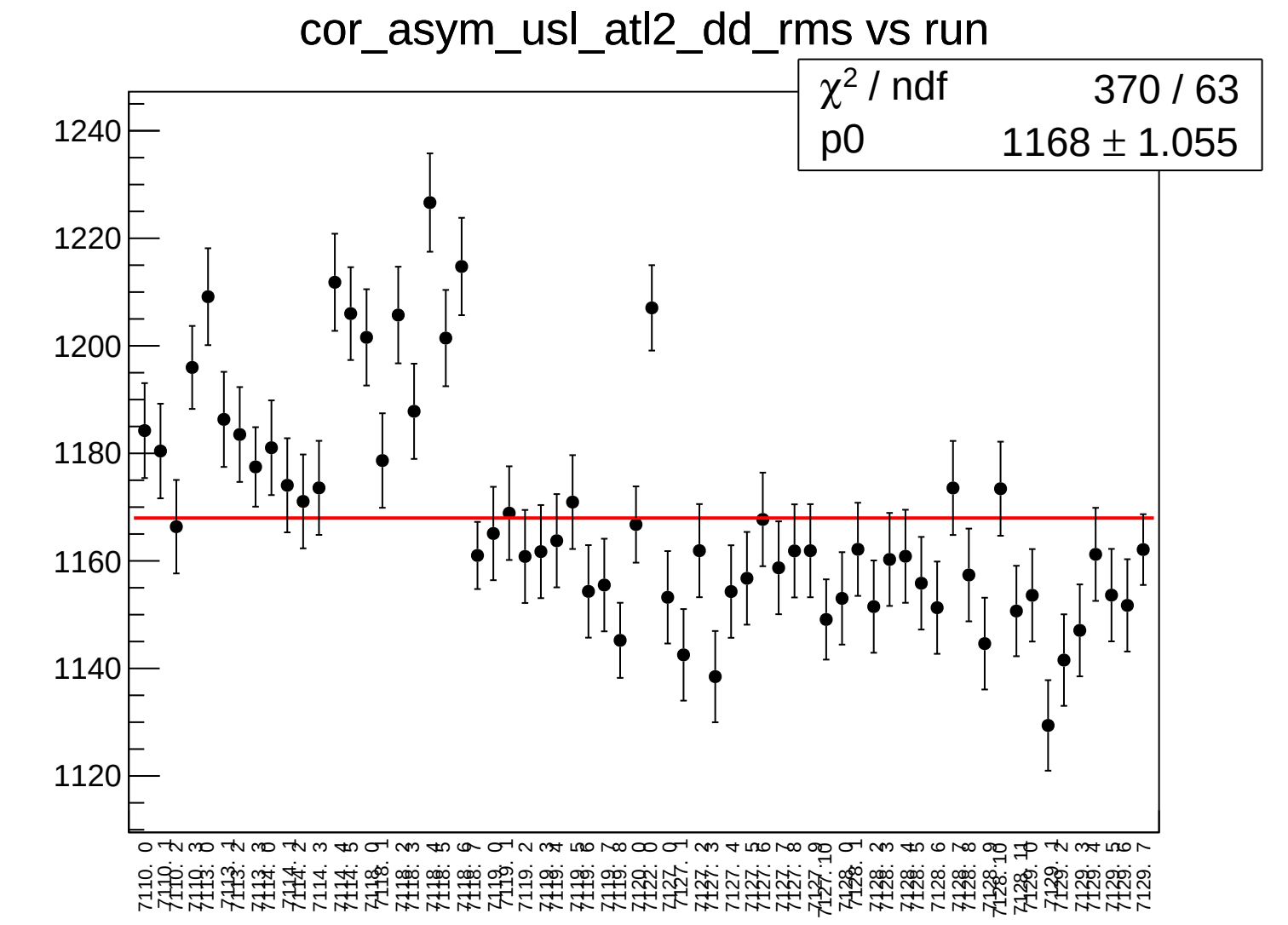

asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 54.73 / 63
p0 2255 ± 5944
pull
Entries 64
Mean 108.6
Std Dev 0

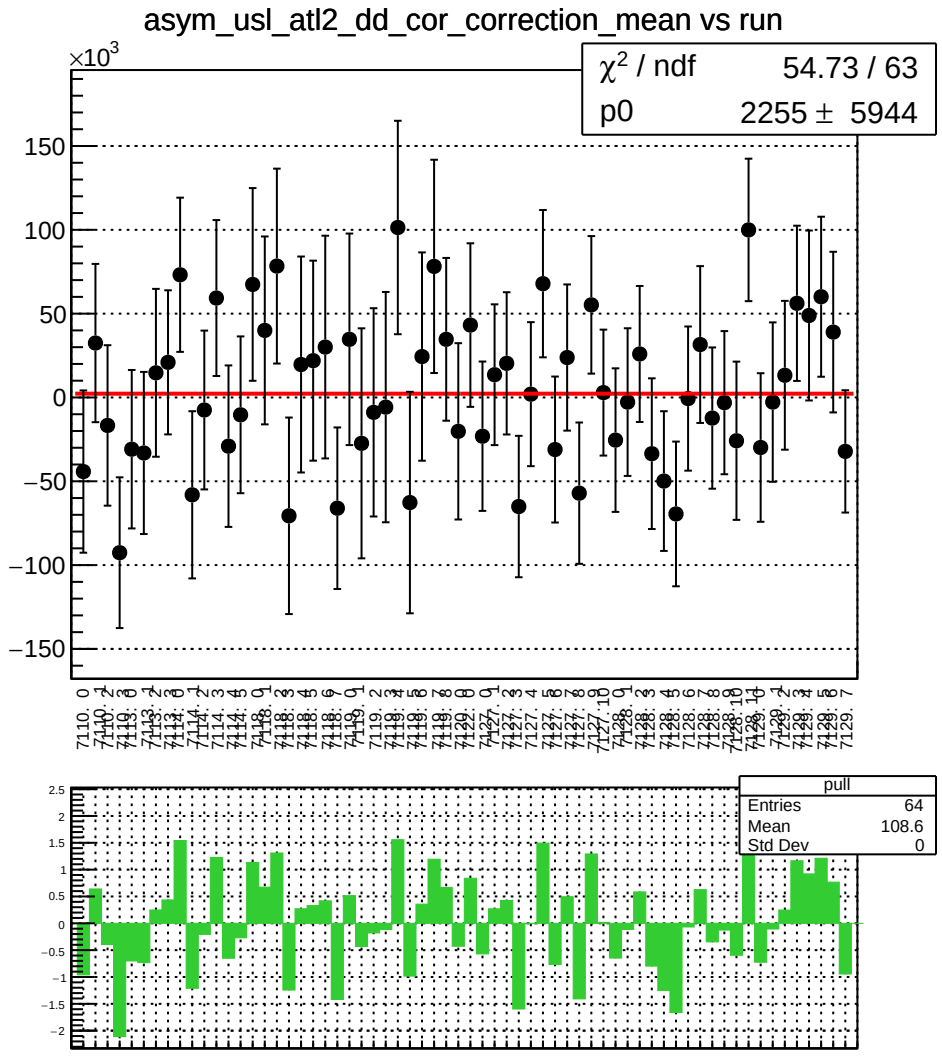

pull1D
Entries 64
Mean 0.0221
Std Dev 0.9245

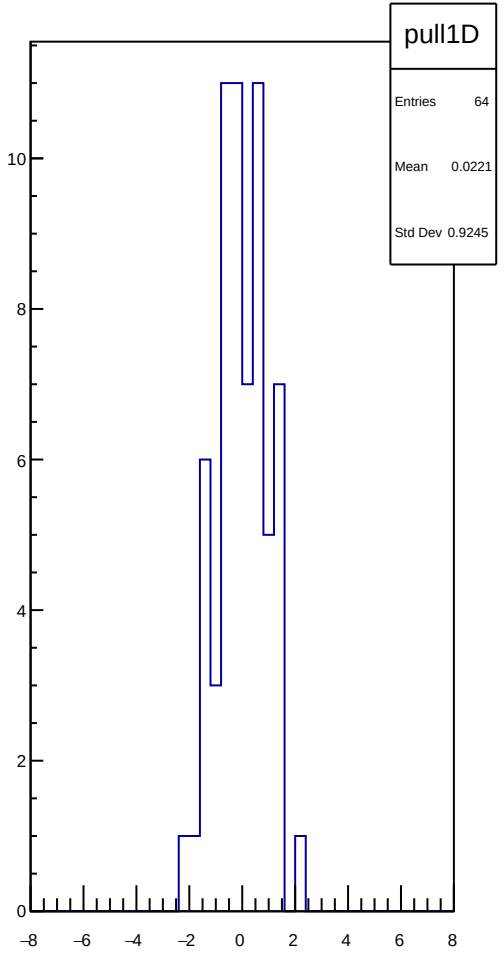

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 2.725e+04 / 63
p0 4602 ± 4.203
6500
6000
5500
5000
4500
4000

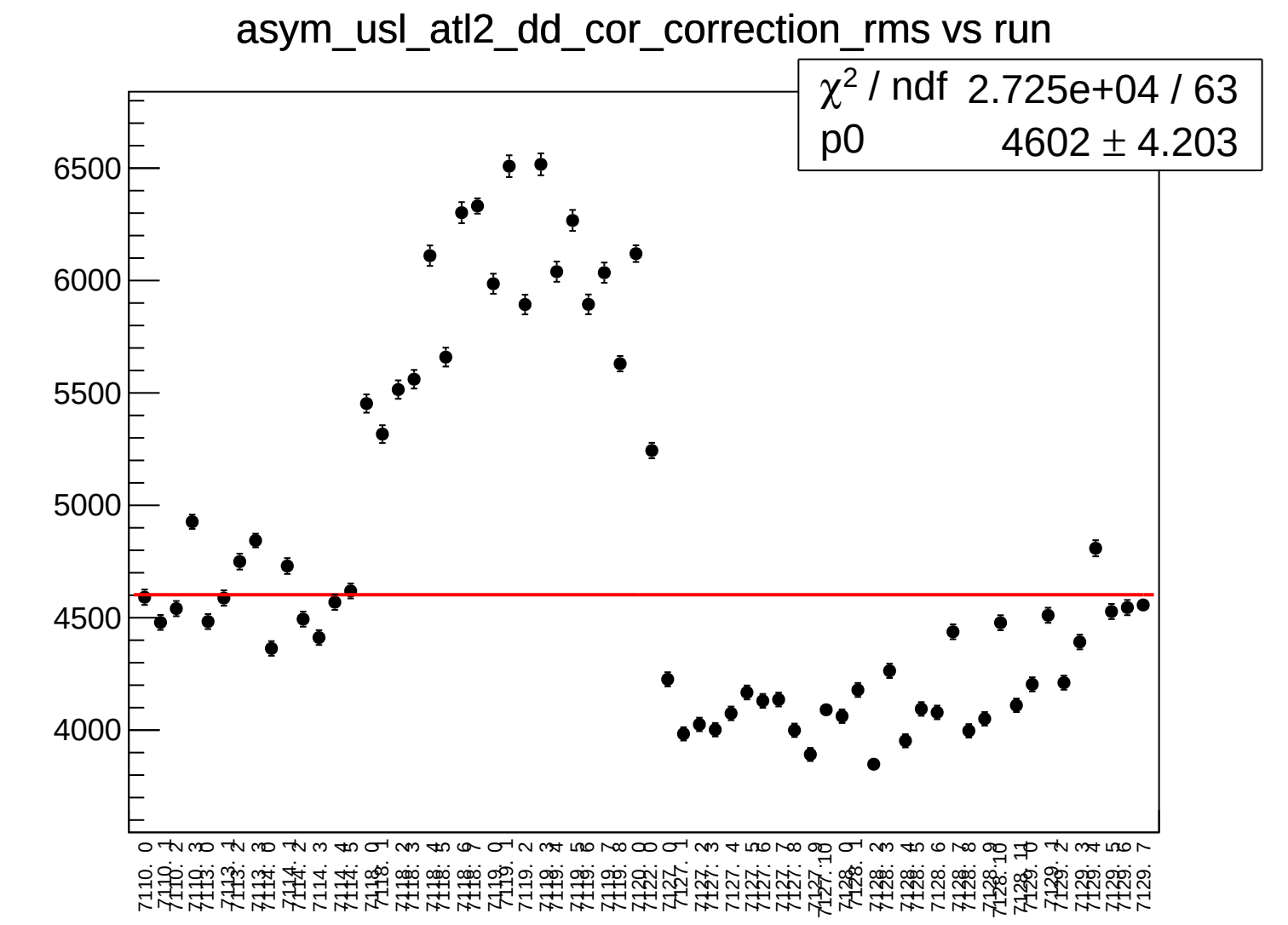

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 46.63 / 63
p0 −3581 ± 1492
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −423.3
Std Dev 0
2
1
0
−1
−2
−3

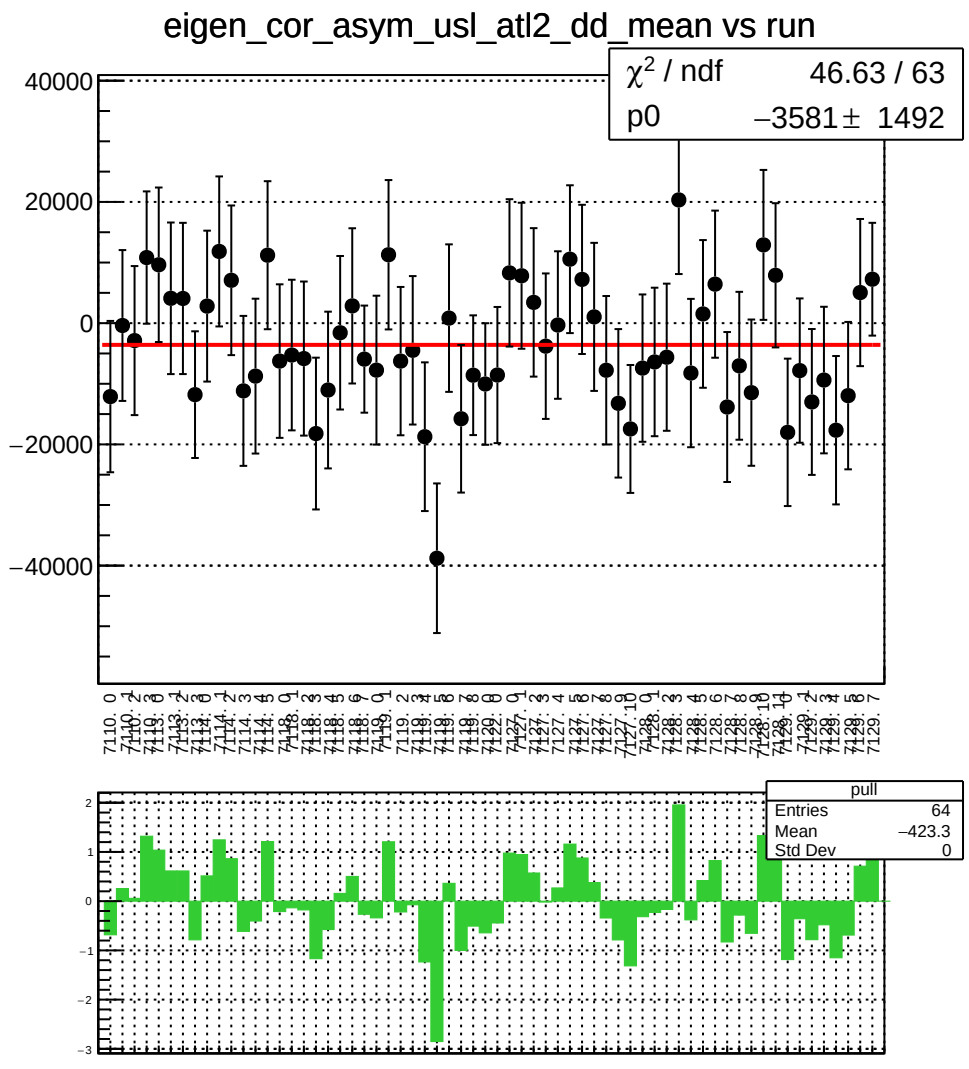

pull1D
Entries 64
Mean 0.003338
Std Dev 0.8536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

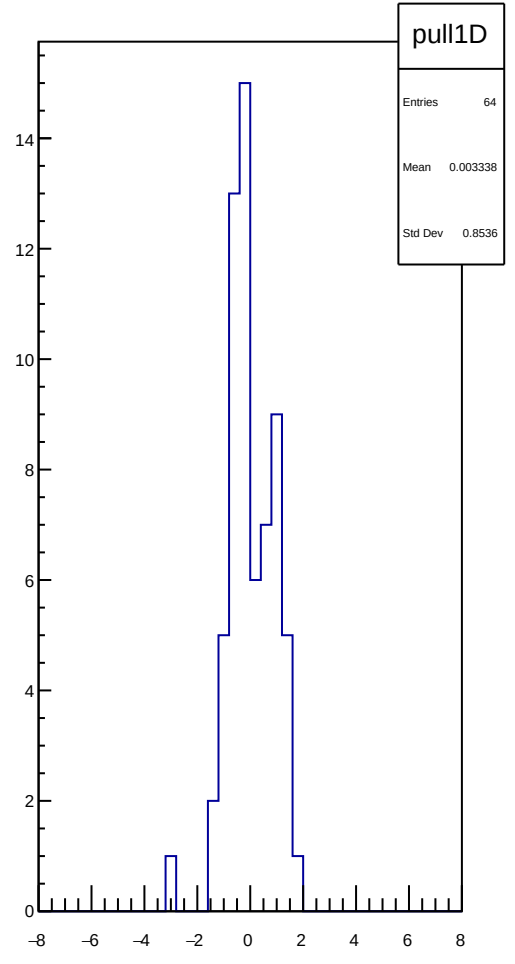

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 370 / 63
p0 1168 ± 1.055
1240
1220
1200
1180
1160
1140
1120

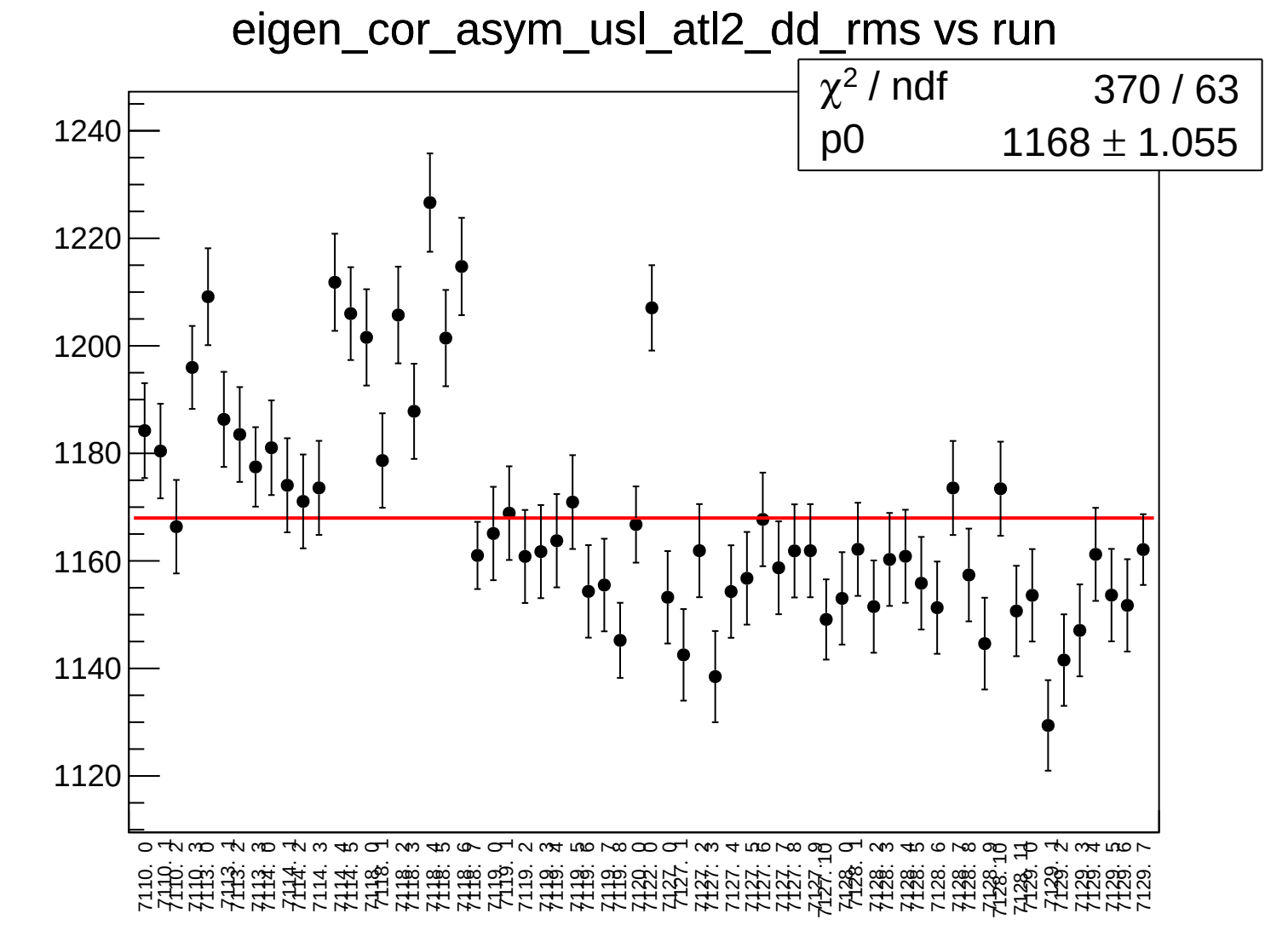

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.73 / 63
p0 2255 ± 5944
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 108.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

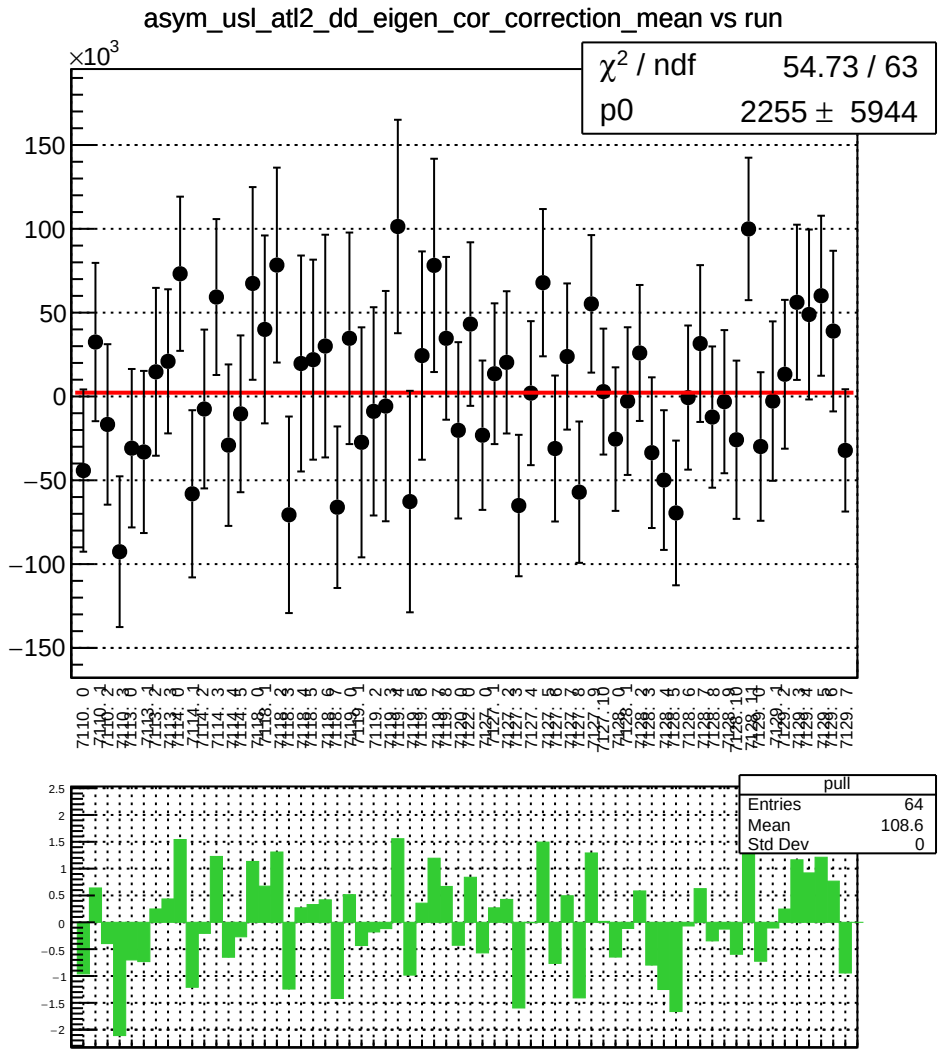

pull1D
Entries 64
Mean 0.0221
Std Dev 0.9245
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

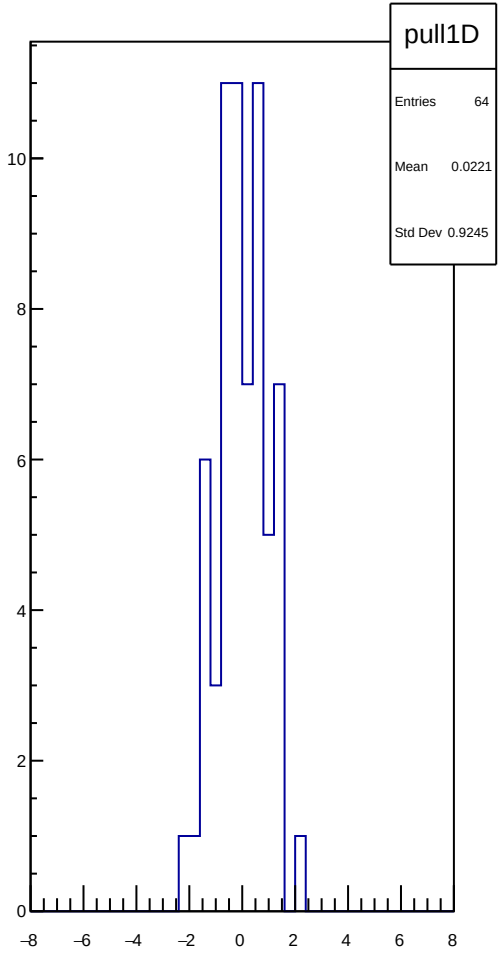

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 2.725e+04 / 63
p0 4602 ± 4.203
6500
6000
5500
5000
4500
4000

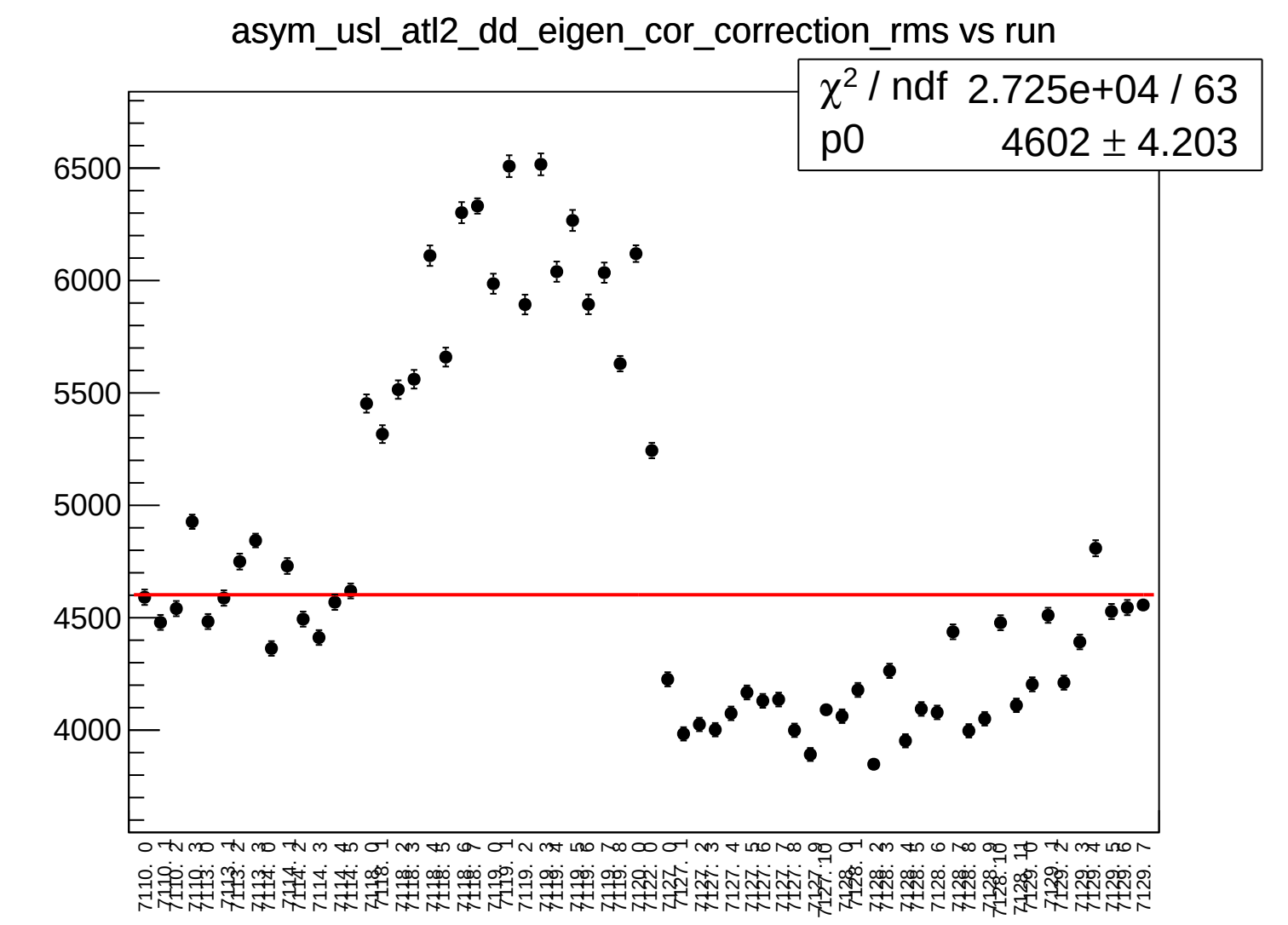

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 46.63 / 63
p0 −3581 ± 1492
pull
Entries 64
Mean −423.3
Std Dev 0

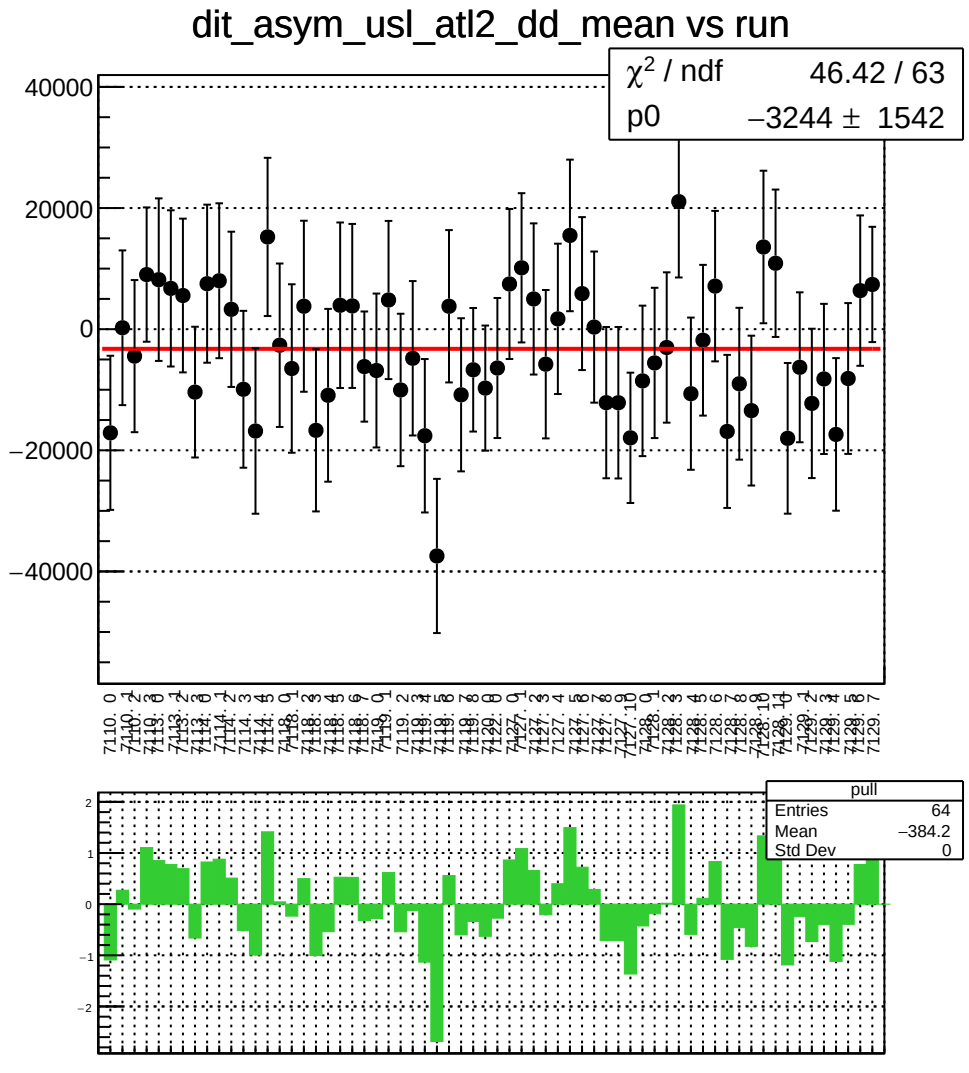

pull1D
Entries 64
Mean 0.003338
Std Dev 0.8536

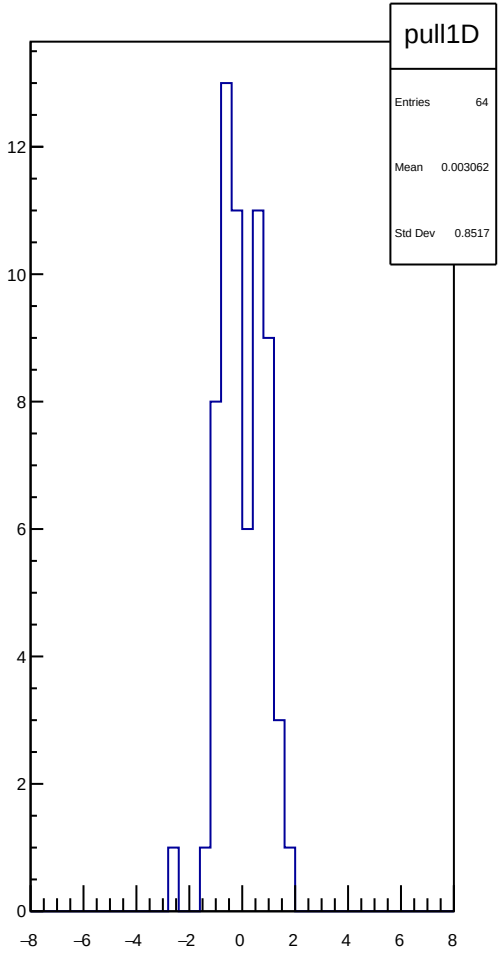

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 370 / 63
p0 1168 ± 1.055
1240
1220
1200
1180
1160
1140
1120

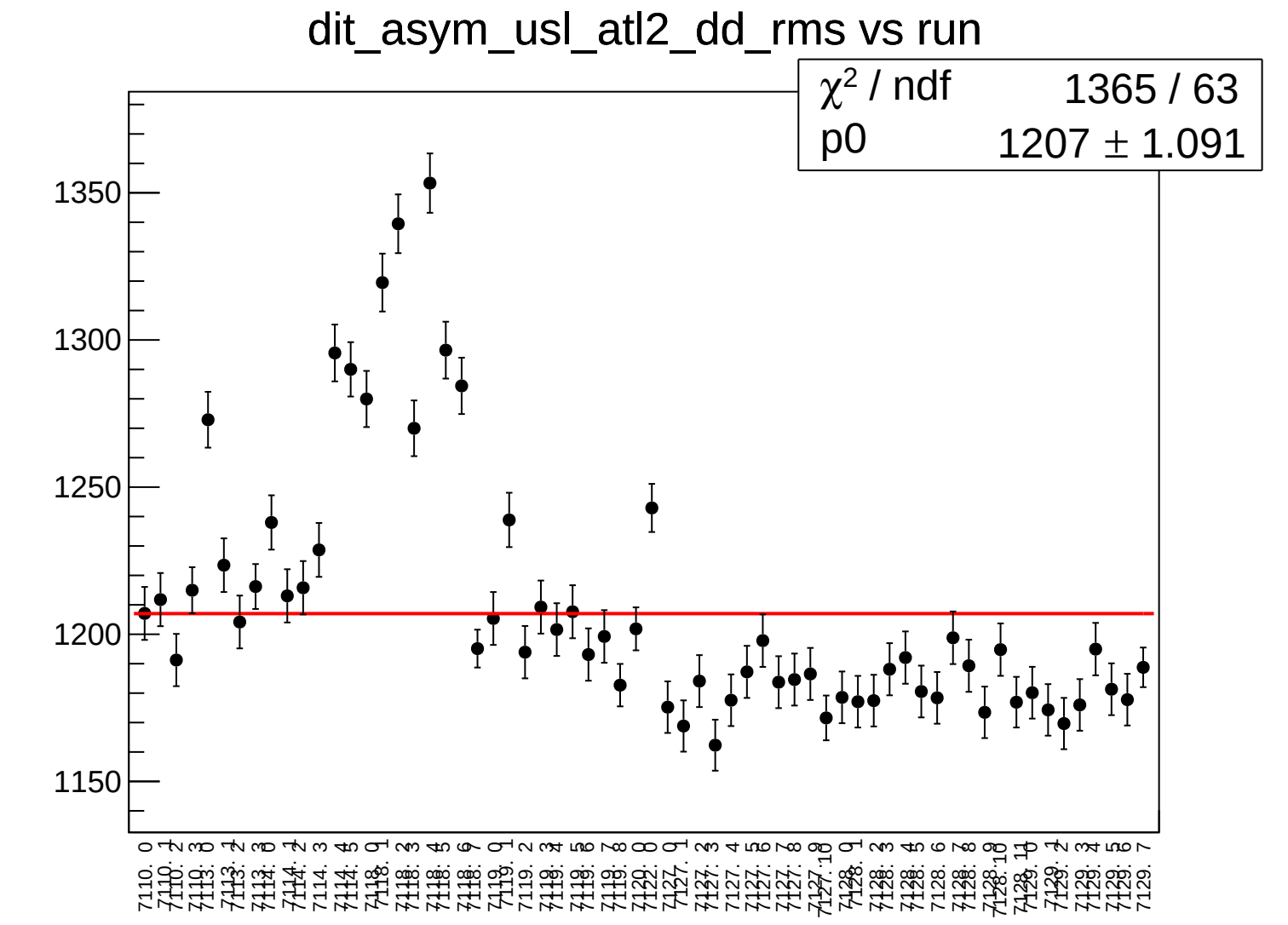

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.73 / 63
p0 2255 ± 5944
pull
Entries 64
Mean 108.6
Std Dev 0

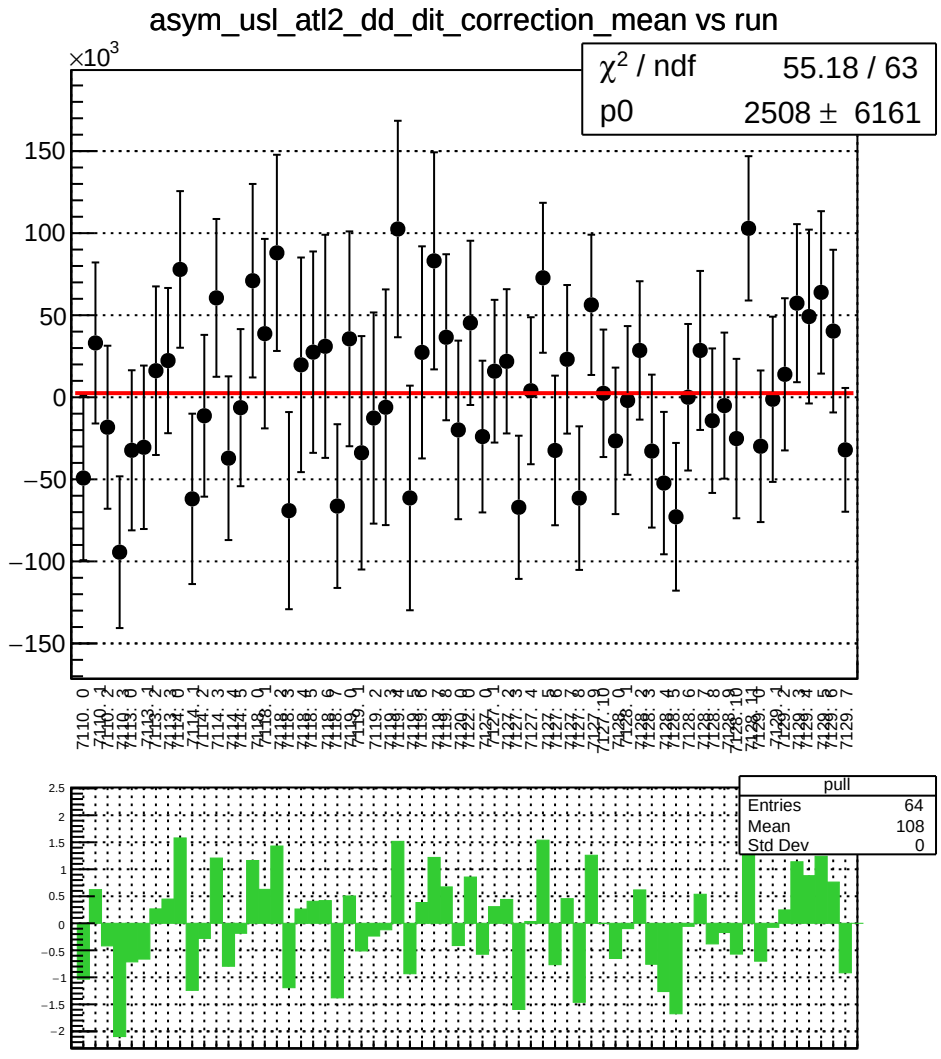

pull1D
Entries 64
Mean 0.0221
Std Dev 0.9245

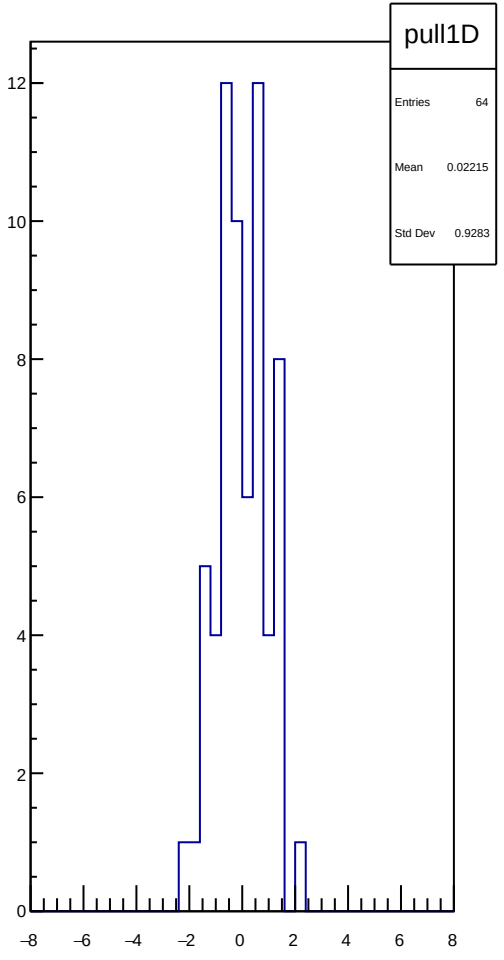

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.725e+04 / 63
p0 4602 ± 4.203
6500
6000
5500
5000
4500
4000

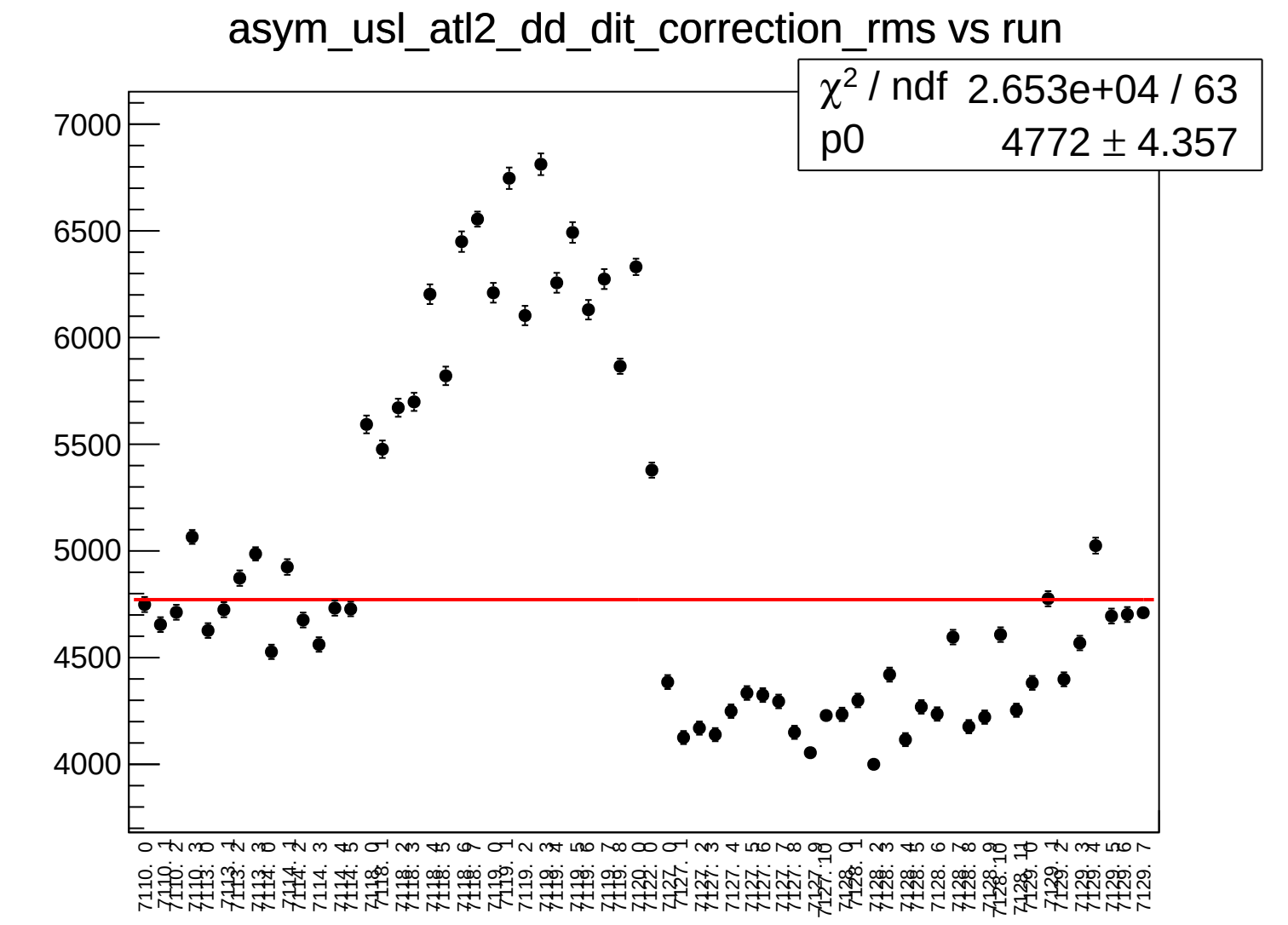

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 46.42 / 63
p0 −3244 ± 1542
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −384.2
Std Dev 0
2
1
0
−1
−2

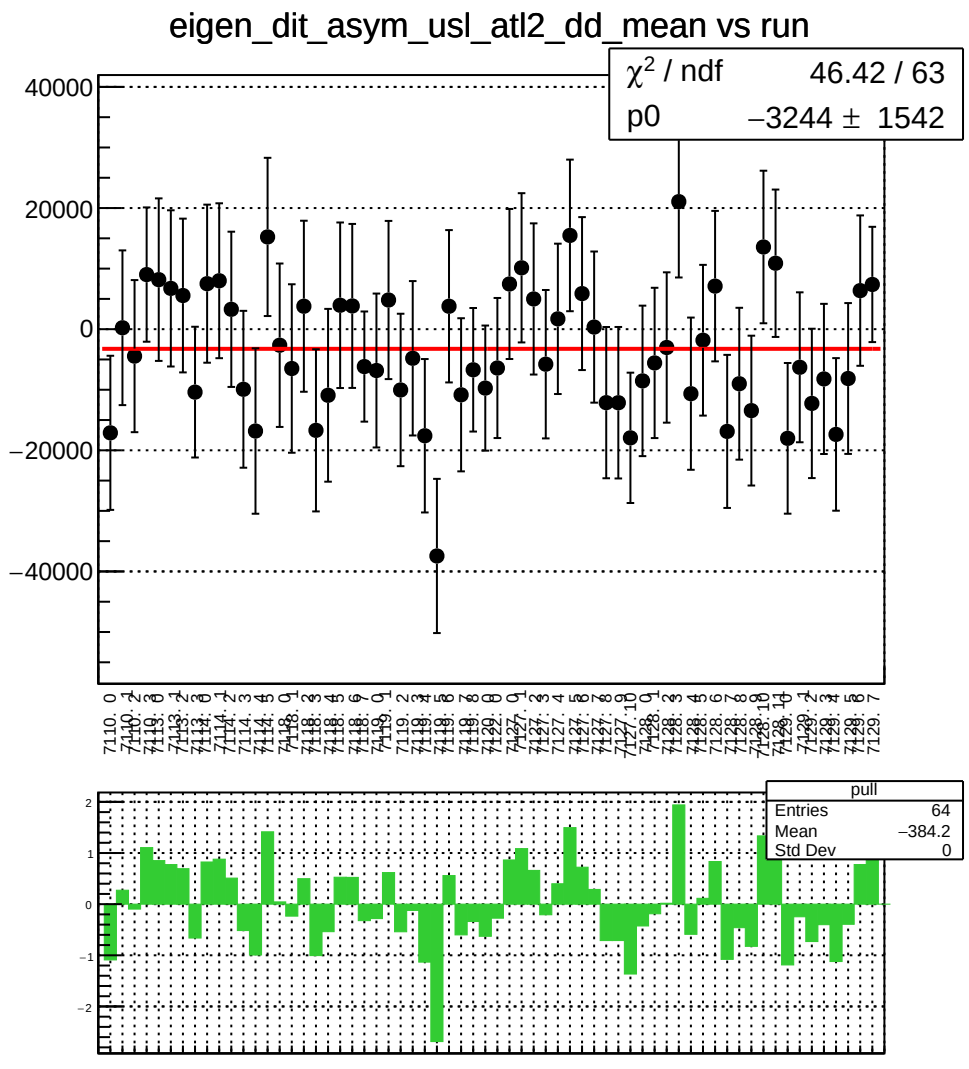

pull1D
Entries 64
Mean 0.003062
Std Dev 0.8517
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

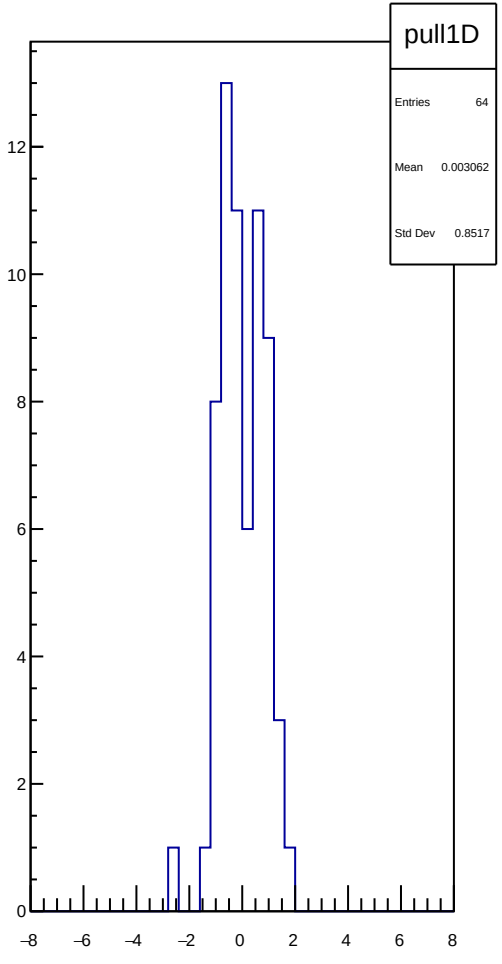

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1365 / 63
p0 1207 ± 1.091
1350
1300
1250
1200
1150

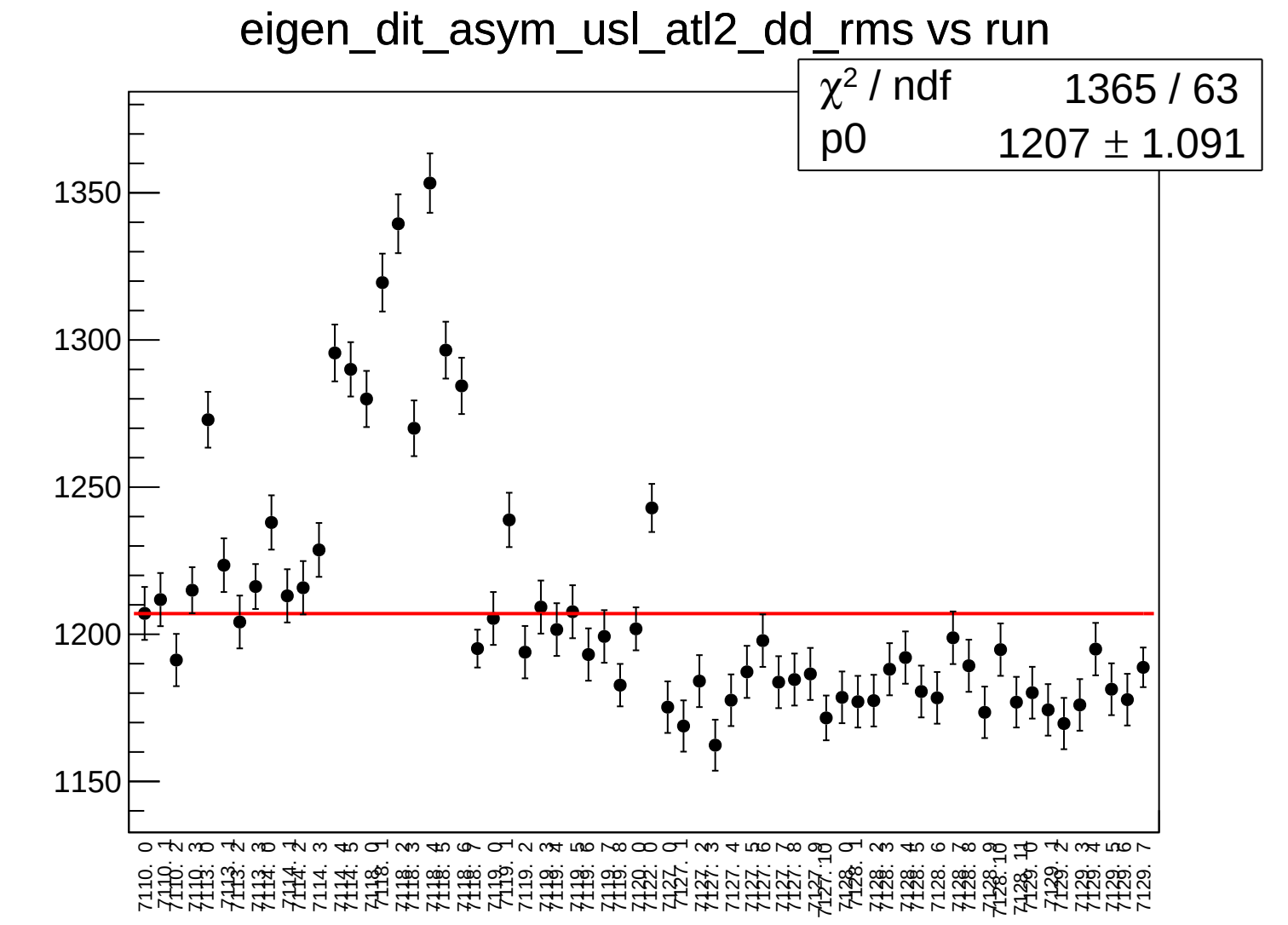

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 55.18 / 63
p0 2508 ± 6161
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 108
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

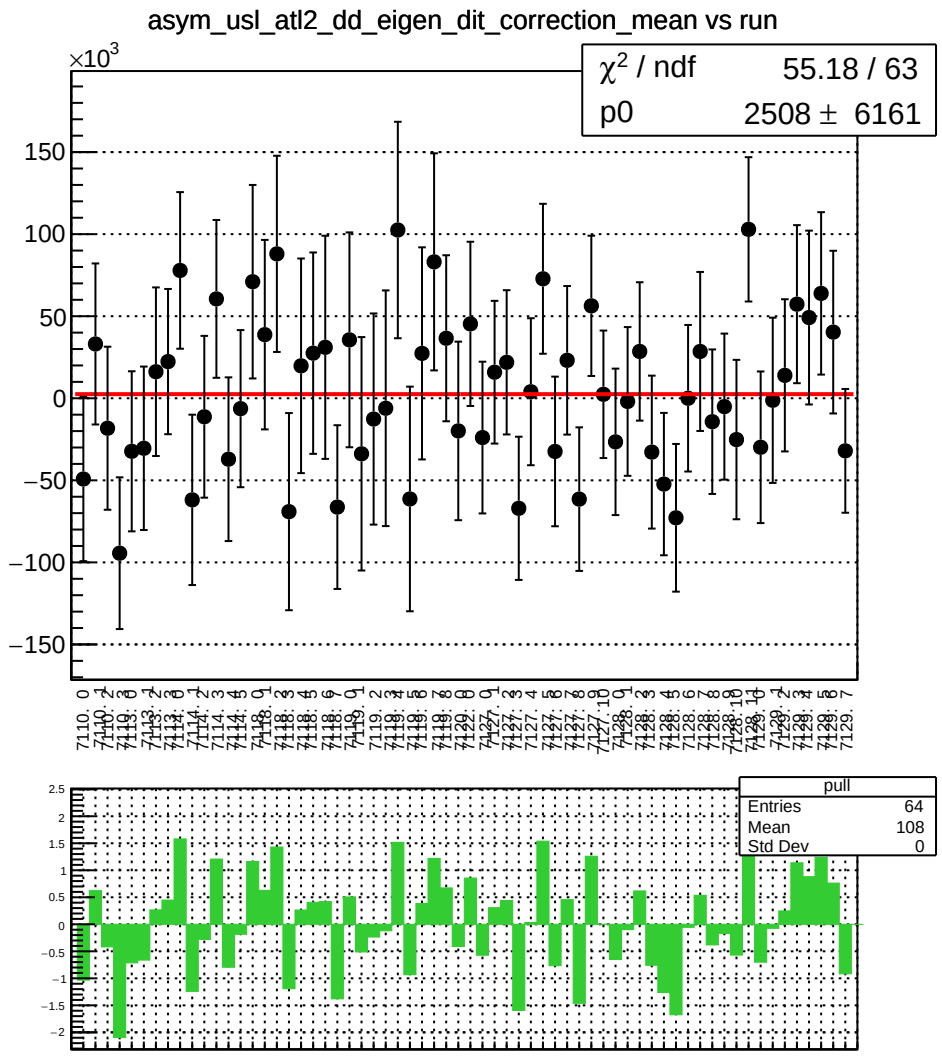

pull1D
Entries 64
Mean 0.02215
Std Dev 0.9283
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

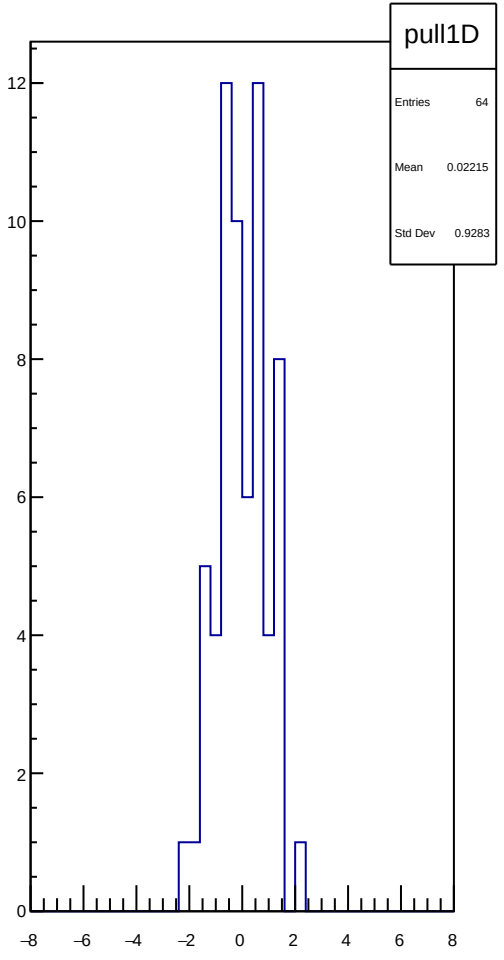

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 2.653e+04 / 63
p0 4772 ± 4.357
7000
6500
6000
5500
5000
4500
4000

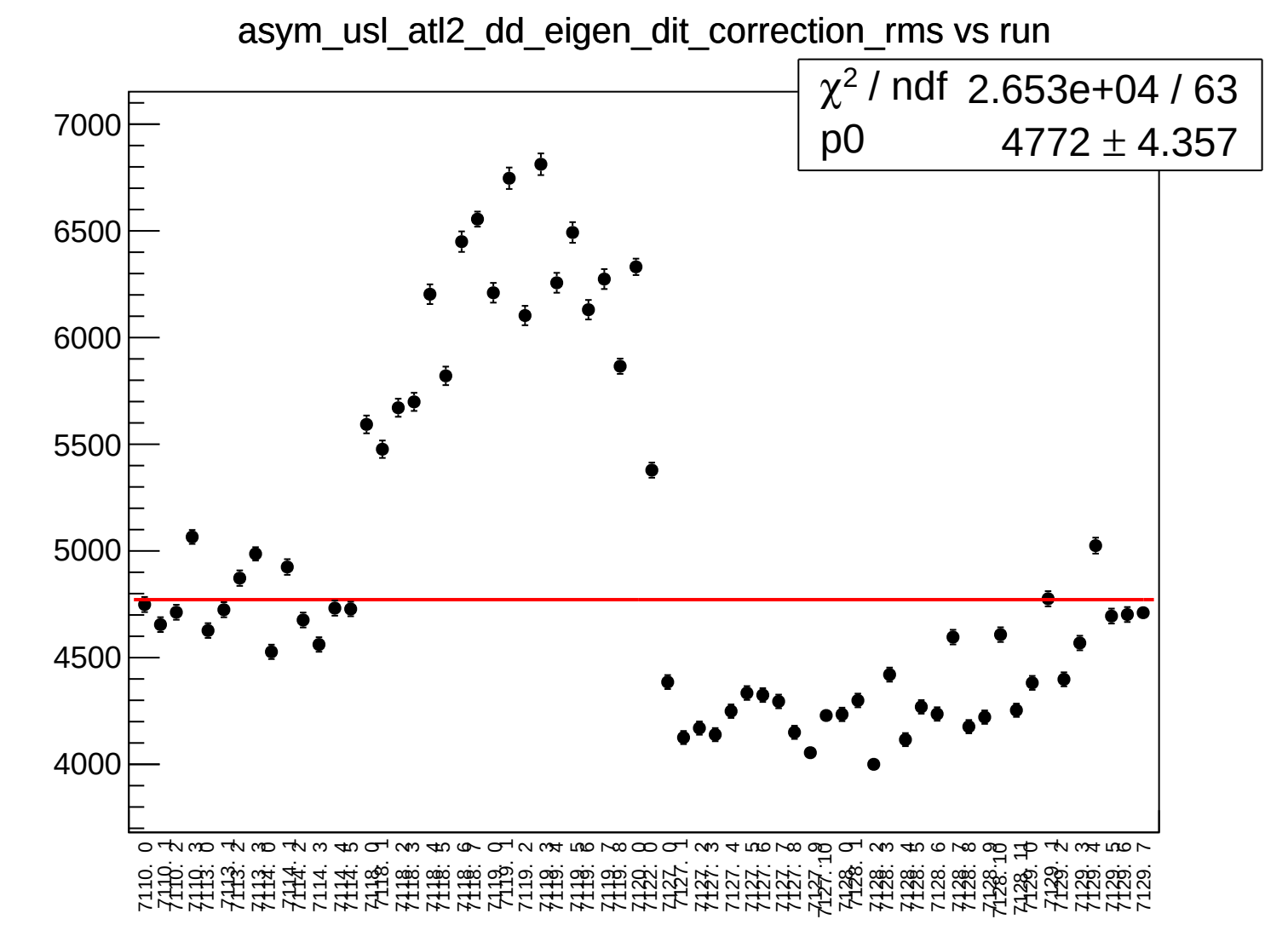

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 46.42 / 63
p0 −3244 ± 1542
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −384.2
Std Dev 0
2
1
0
−1
−2

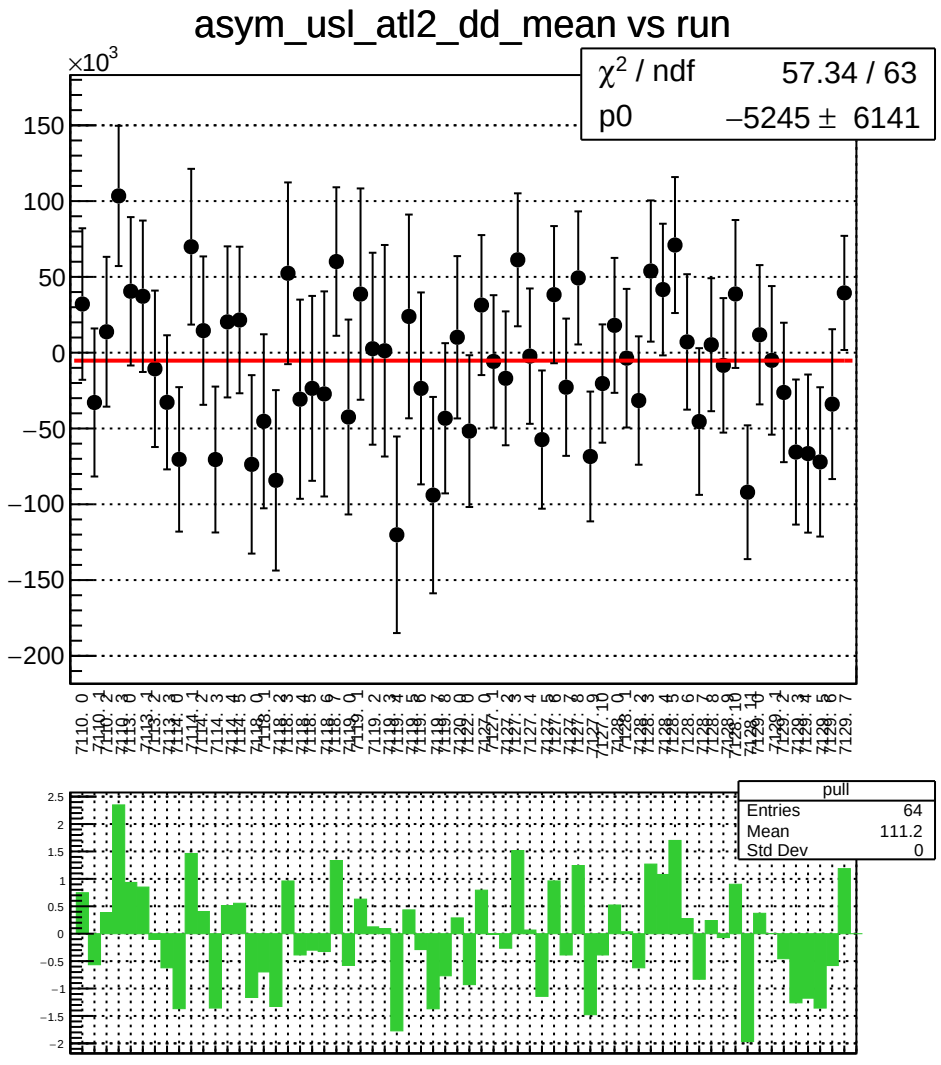

pull1D
Entries 64
Mean 0.003062
Std Dev 0.8517
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

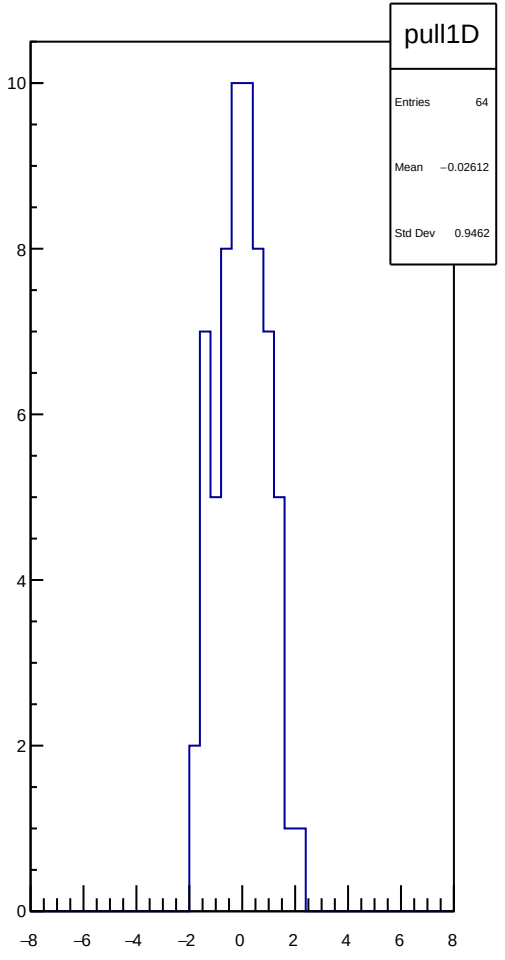

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1365 / 63
p0 1207 ± 1.091
1350
1300
1250
1200
1150

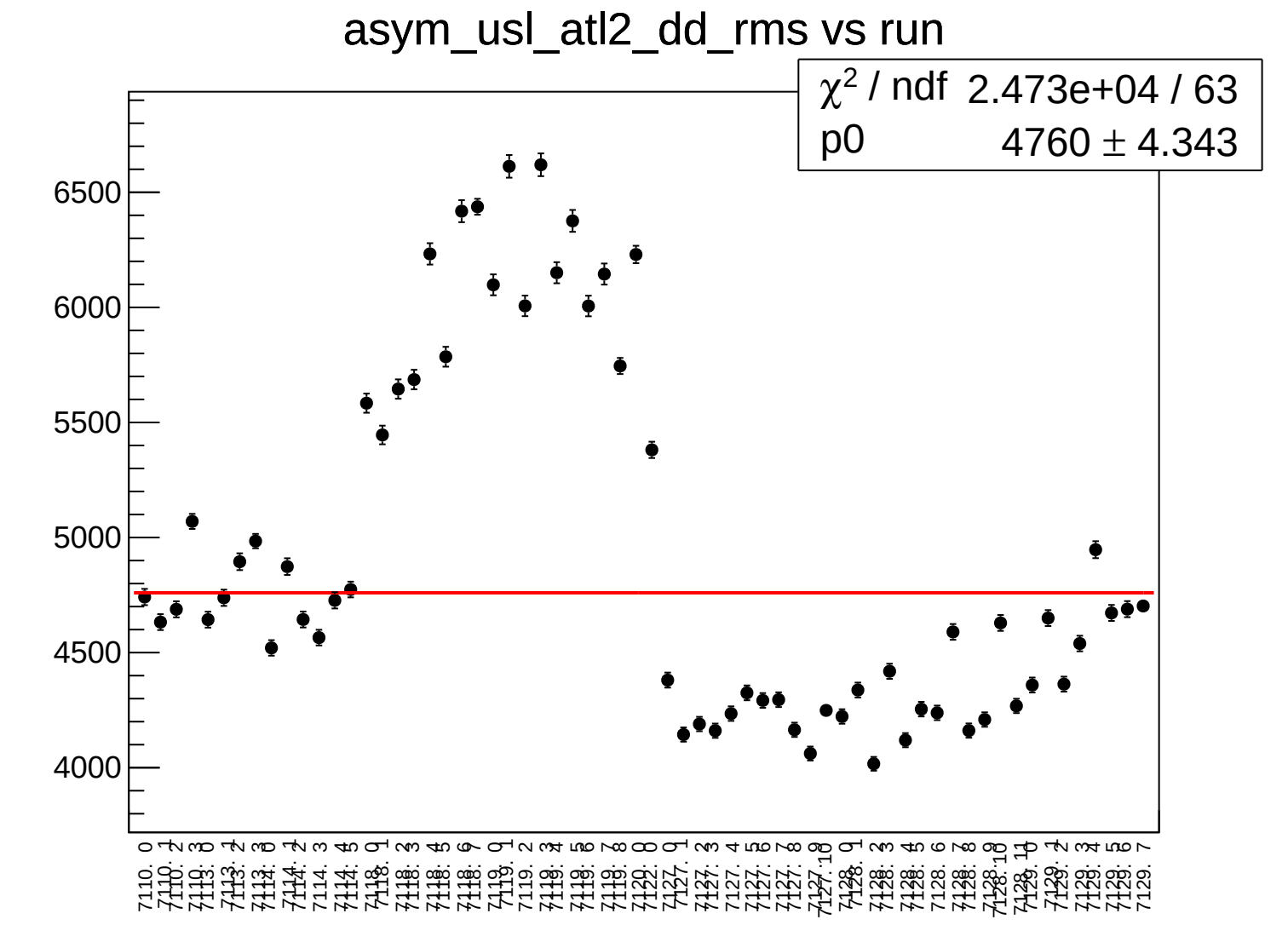

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.18 / 63
p0 2508 ± 6161
pull
Entries 64
Mean 108
Std Dev 0

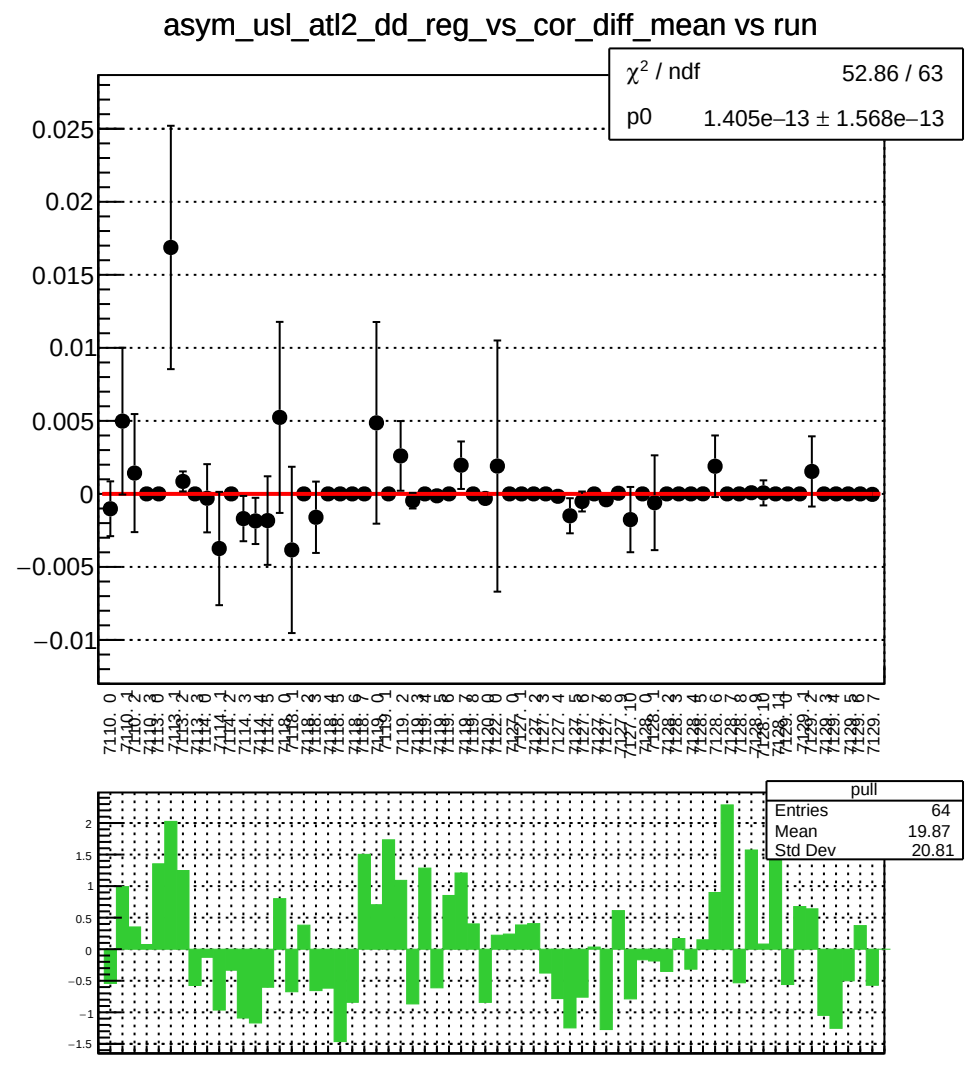

pull1D
Entries 64
Mean 0.02215
Std Dev 0.9283

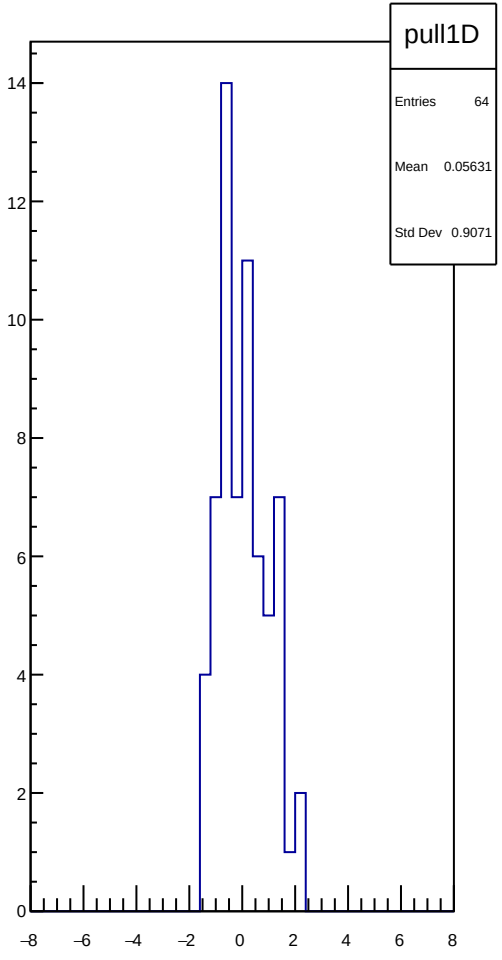

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.653e+04 / 63
p0 4772 ± 4.357
7000
6500
6000
5500
5000
4500
4000

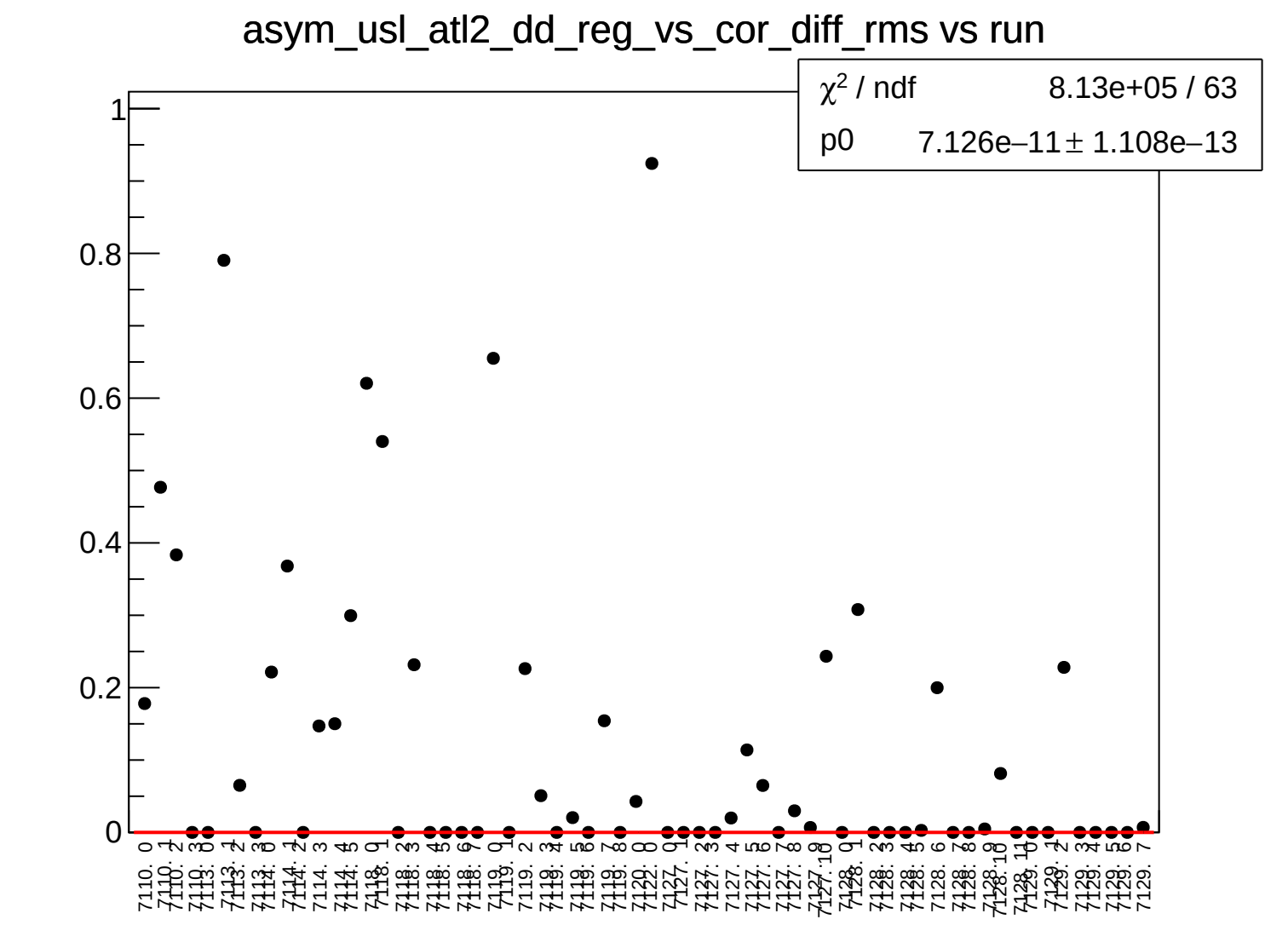

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 57.34 / 63
p0 −5245 ± 6141
150
100
50
0
−50
−100
−150
−200
pull
Entries 64
Mean 111.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

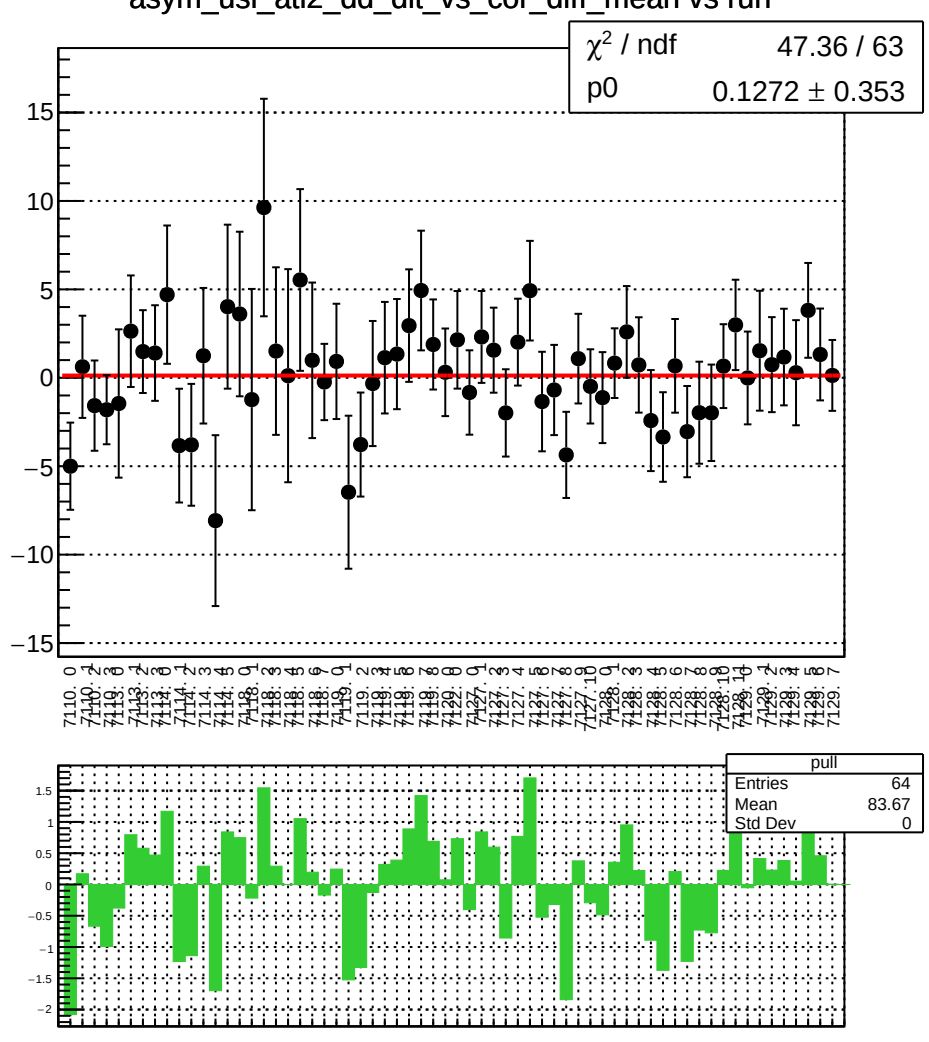

pull1D
Entries 64
Mean −0.02612
Std Dev 0.9462
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

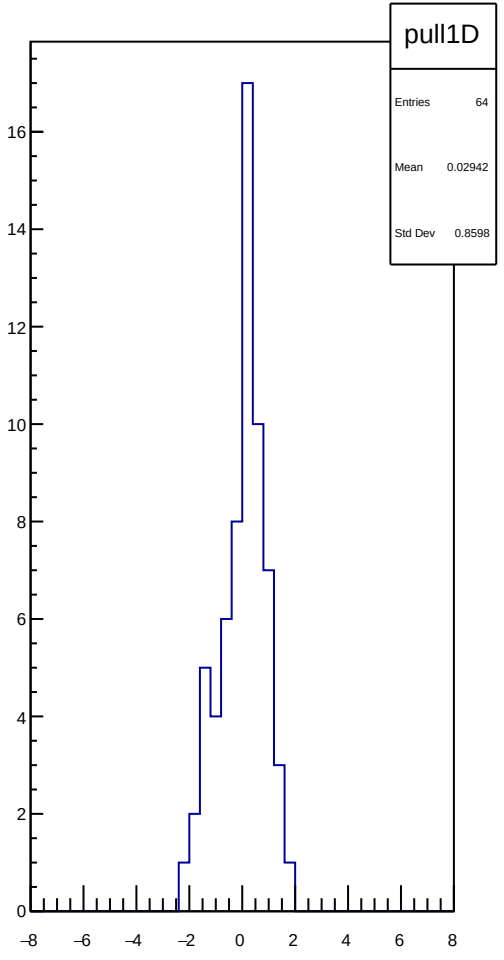

asym_usl_atl2_dd_rms vs run
χ² / ndf 2.473e+04 / 63
p0 4760 ± 4.343
6500
6000
5500
5000
4500
4000

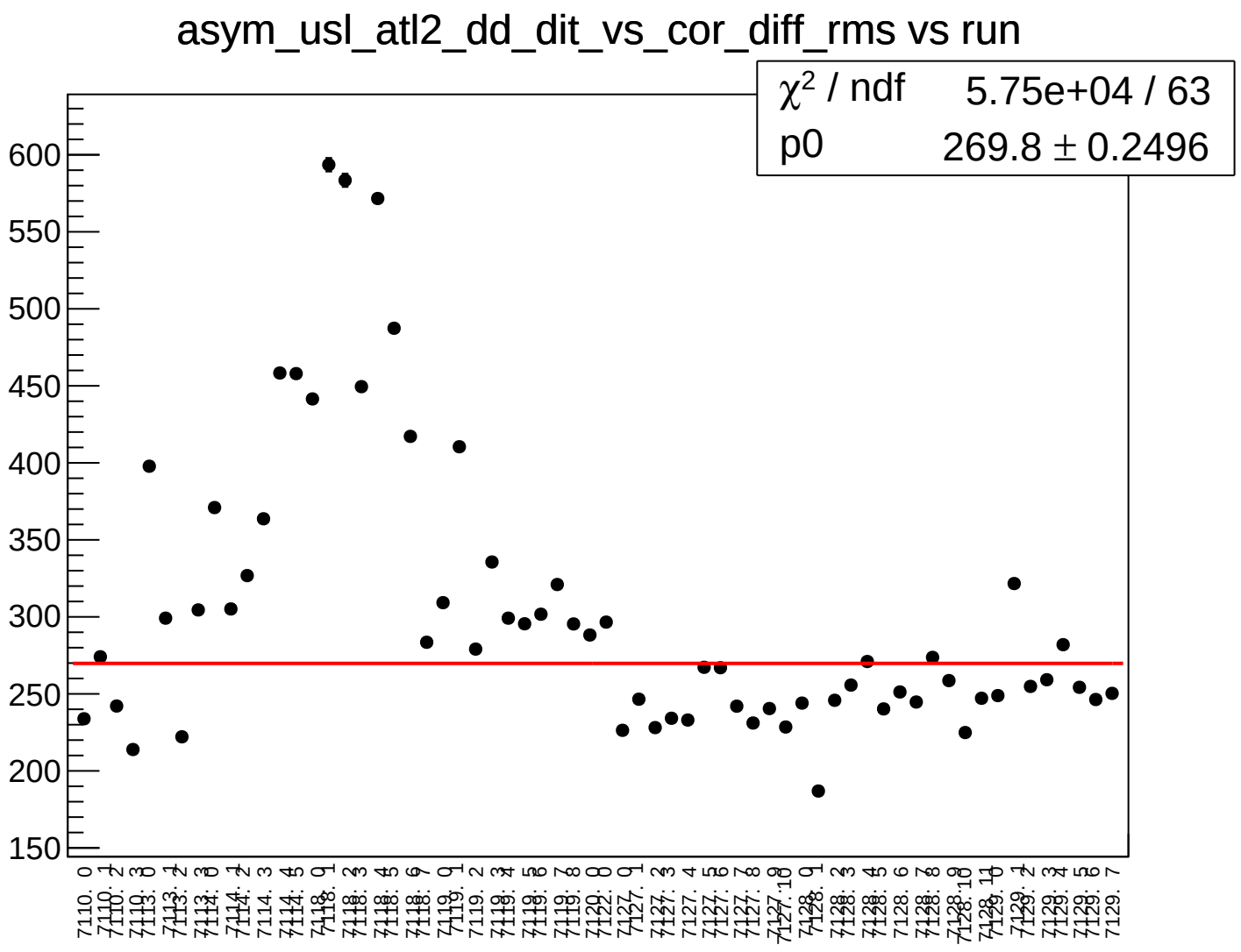

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.86 / 63
p0 1.405e−13 ± 1.568e−13
pull
Entries 64
Mean 19.87
Std Dev 20.81

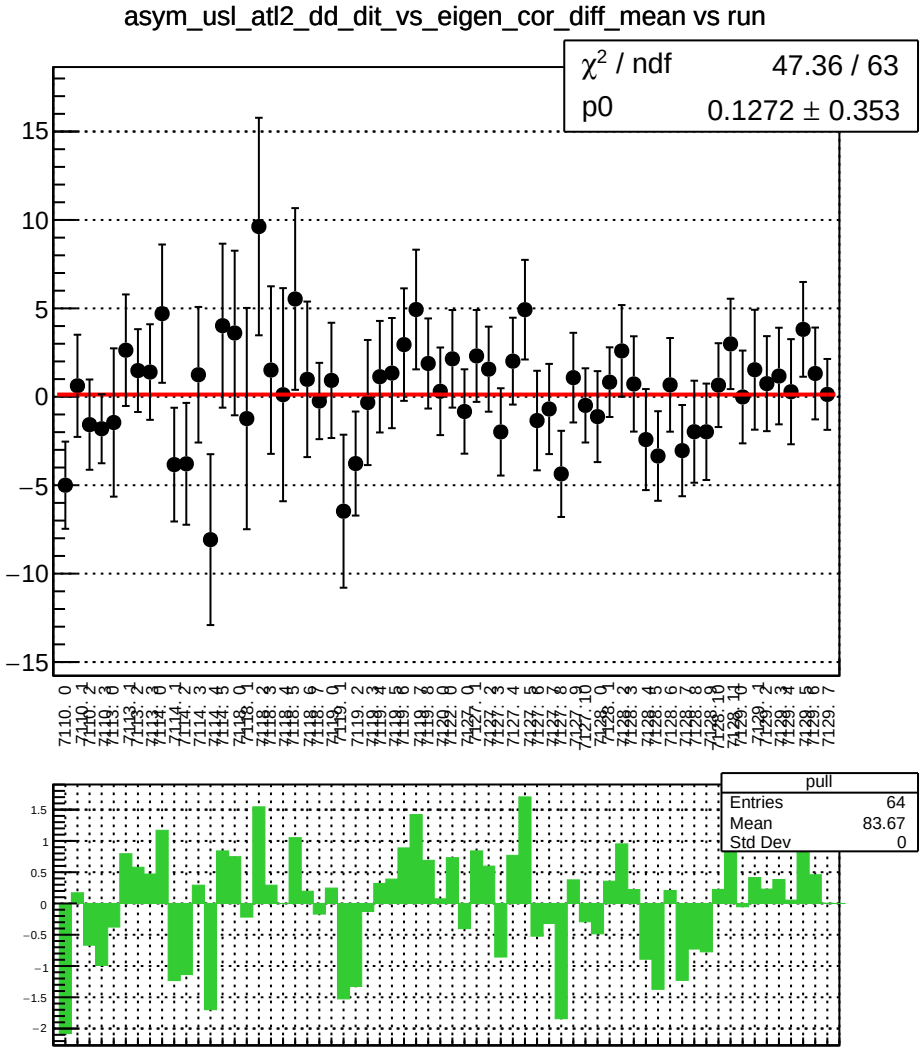

pull1D
Entries 64
Mean 0.05631
Std Dev 0.9071

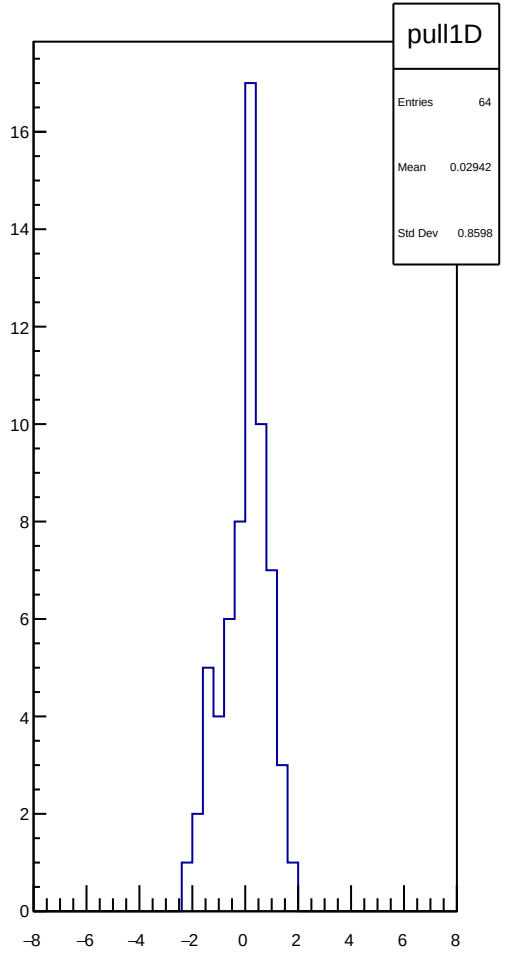

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.13e+05 / 63
p0 7.126e−11 ± 1.108e−13
1
0.8
0.6
0.4
0.2
0

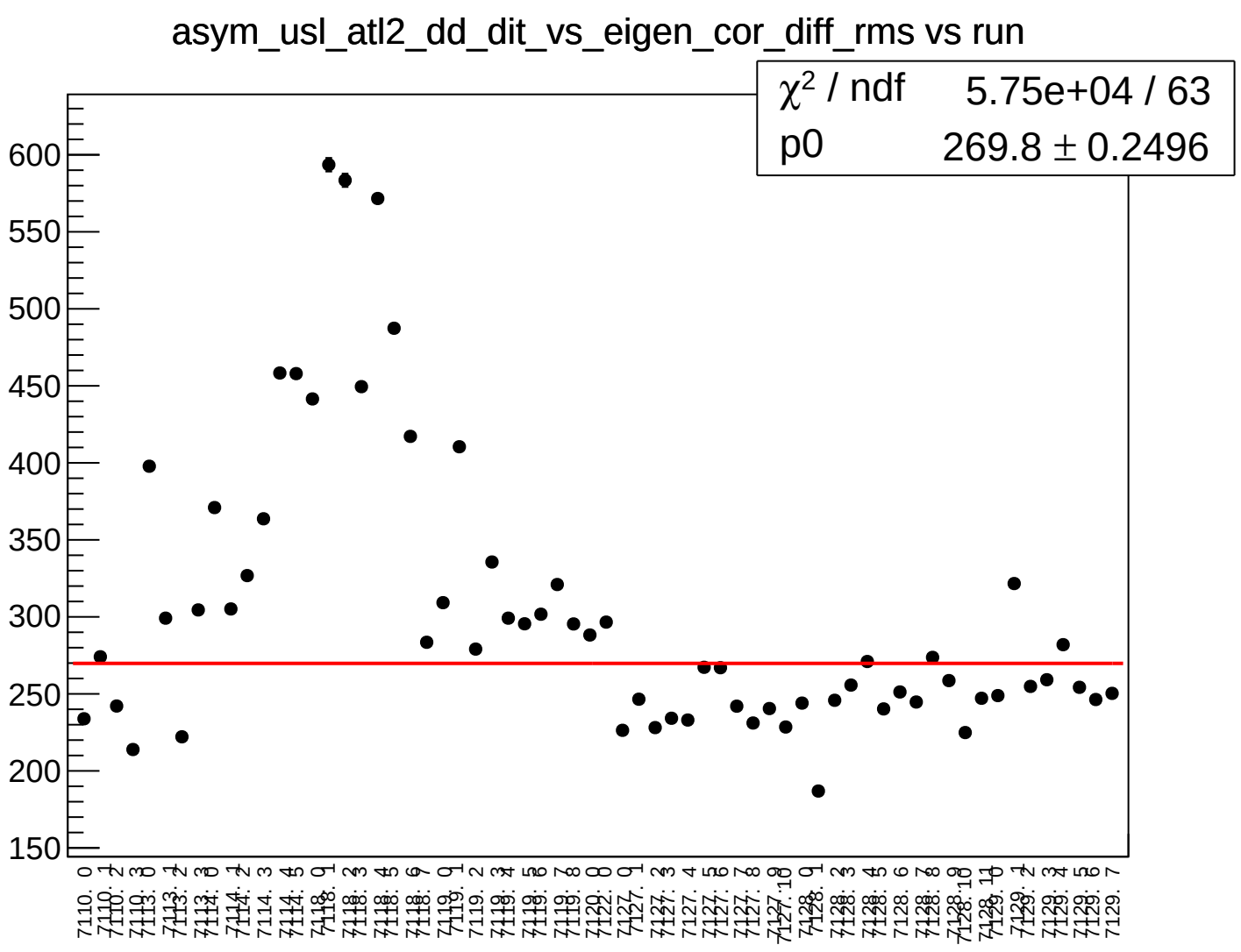

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.36 / 63
p0 0.1272 ± 0.353
pull
Entries 64
Mean 83.67
Std Dev 0

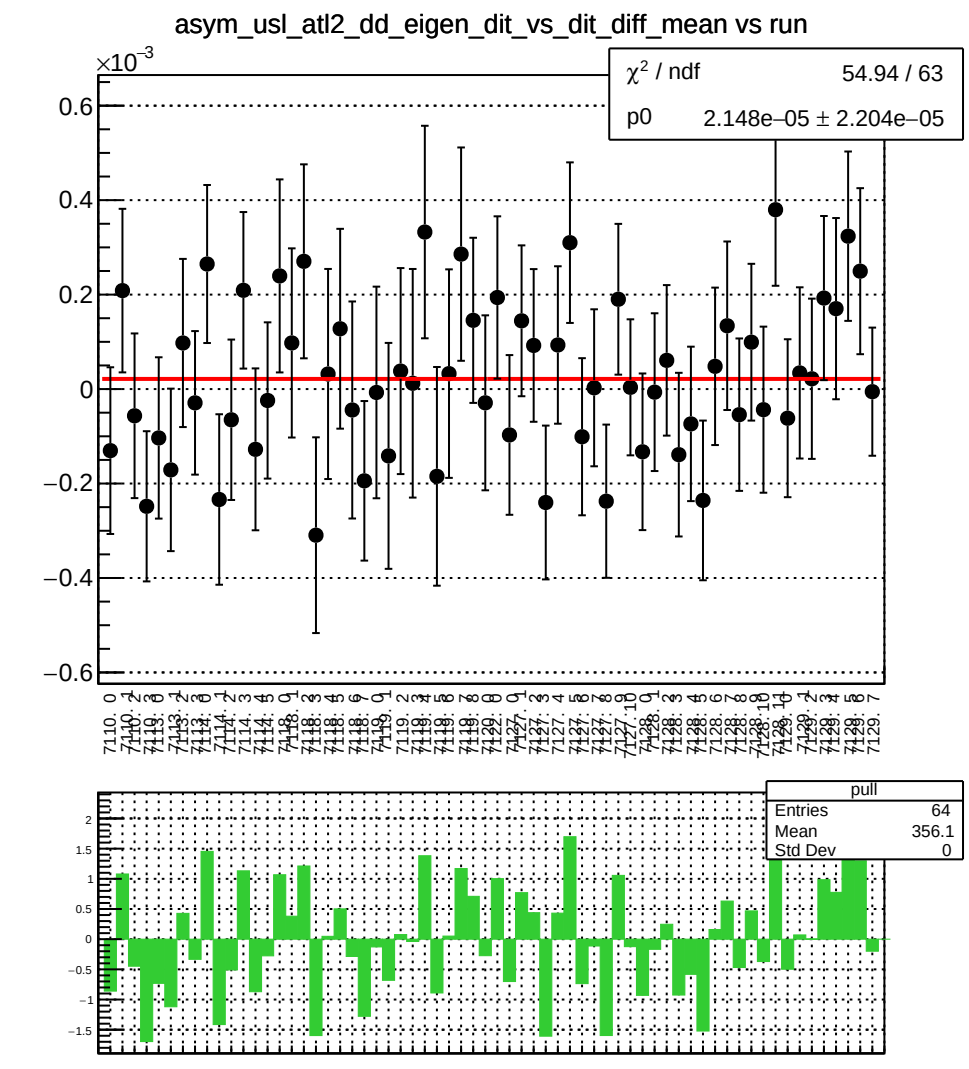

pull1D
Entries 64
Mean 0.02942
Std Dev 0.8598

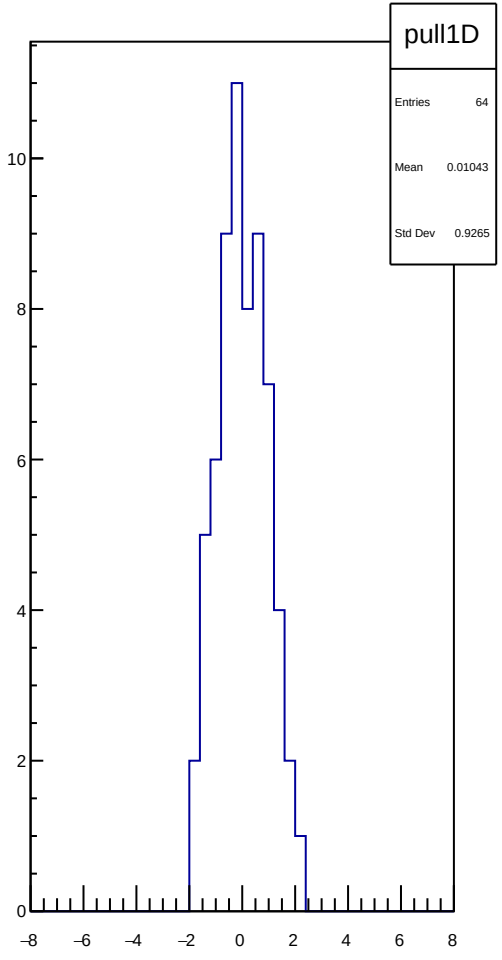

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.75e+04 / 63
p0 269.8 ± 0.2496
600
550
500
450
400
350
300
250
200
150

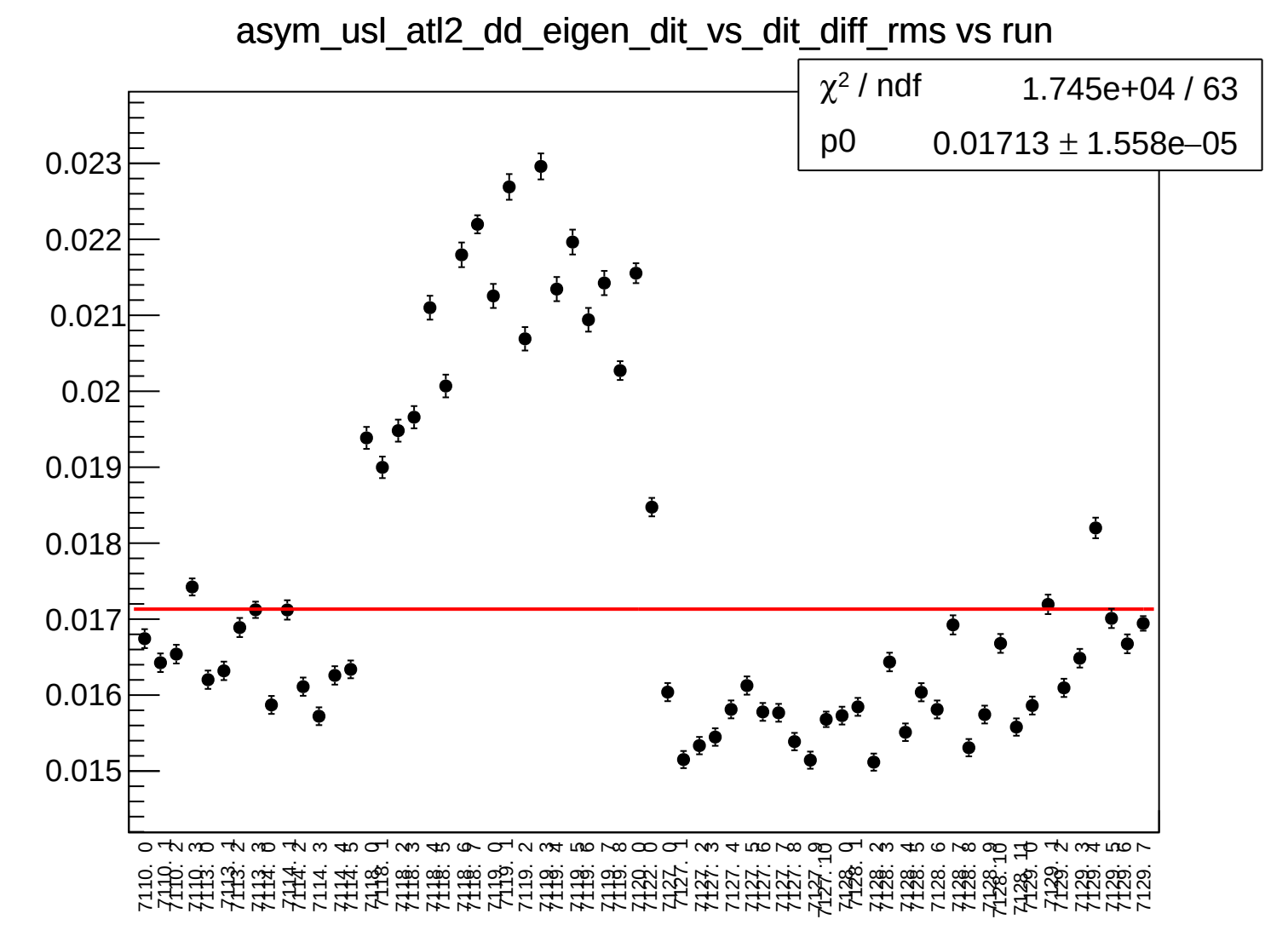

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.36 / 63
p0 0.1272 ± 0.353
pull
Entries 64
Mean 83.67
Std Dev 0

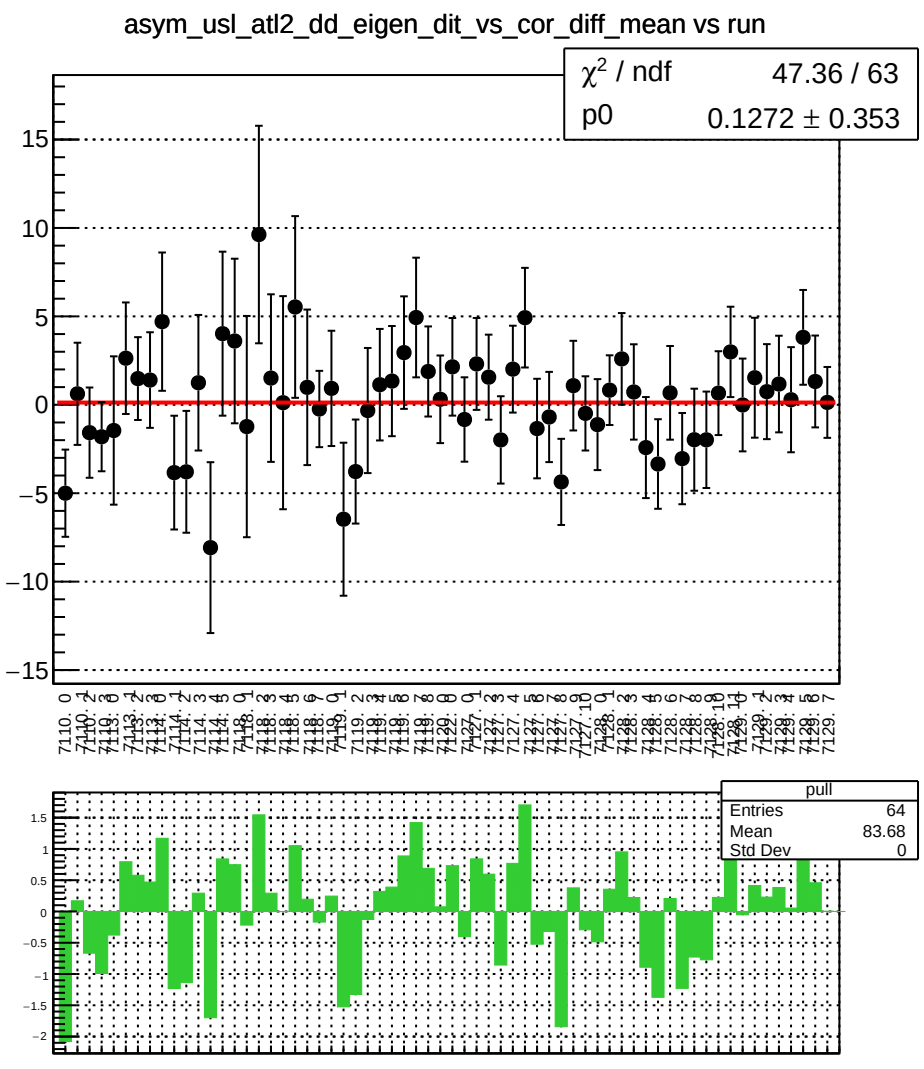

pull1D
Entries 64
Mean 0.02942
Std Dev 0.8598

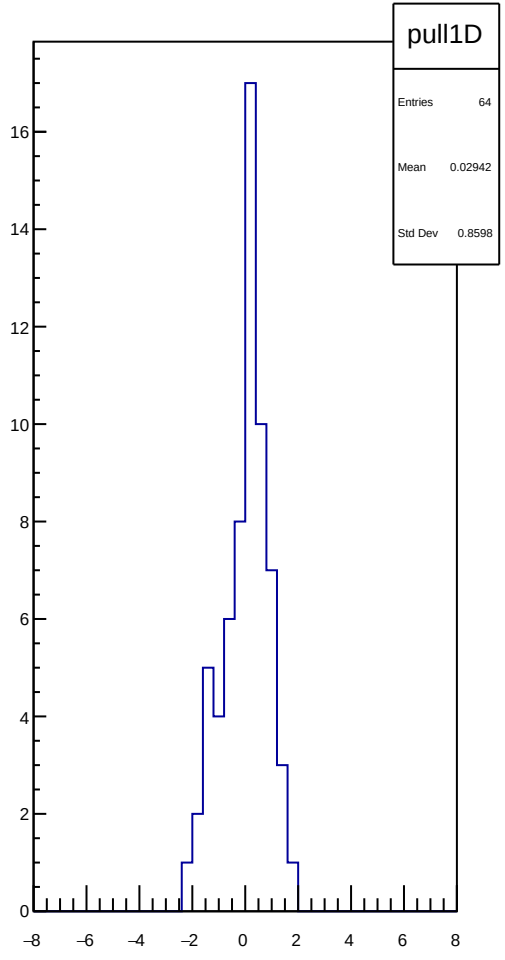

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.75e+04 / 63
p0 269.8 ± 0.2496
600
550
500
450
400
350
300
250
200
150

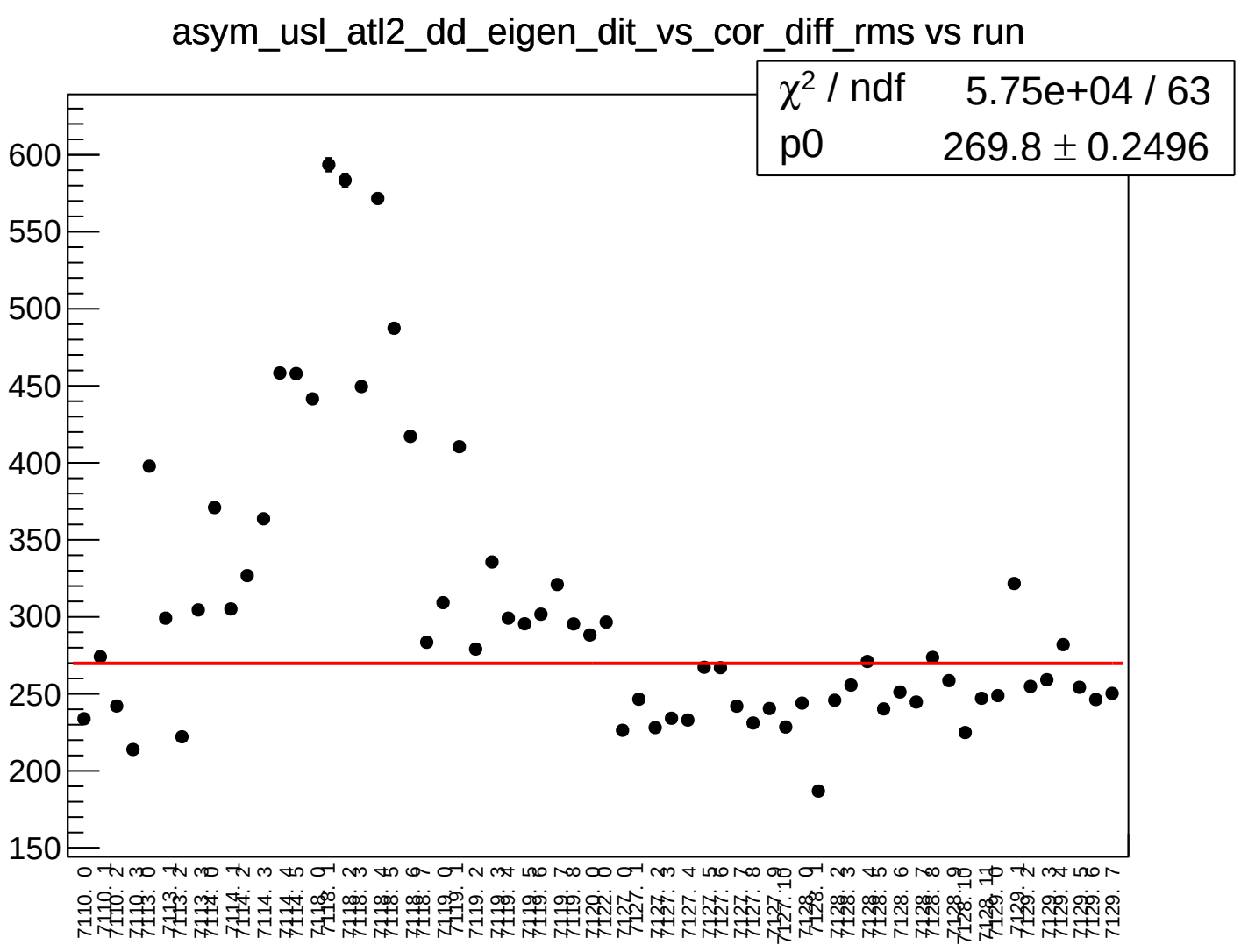

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.94 / 63
p0 2.148e−05 ± 2.204e−05
pull
Entries 64
Mean 356.1
Std Dev 0

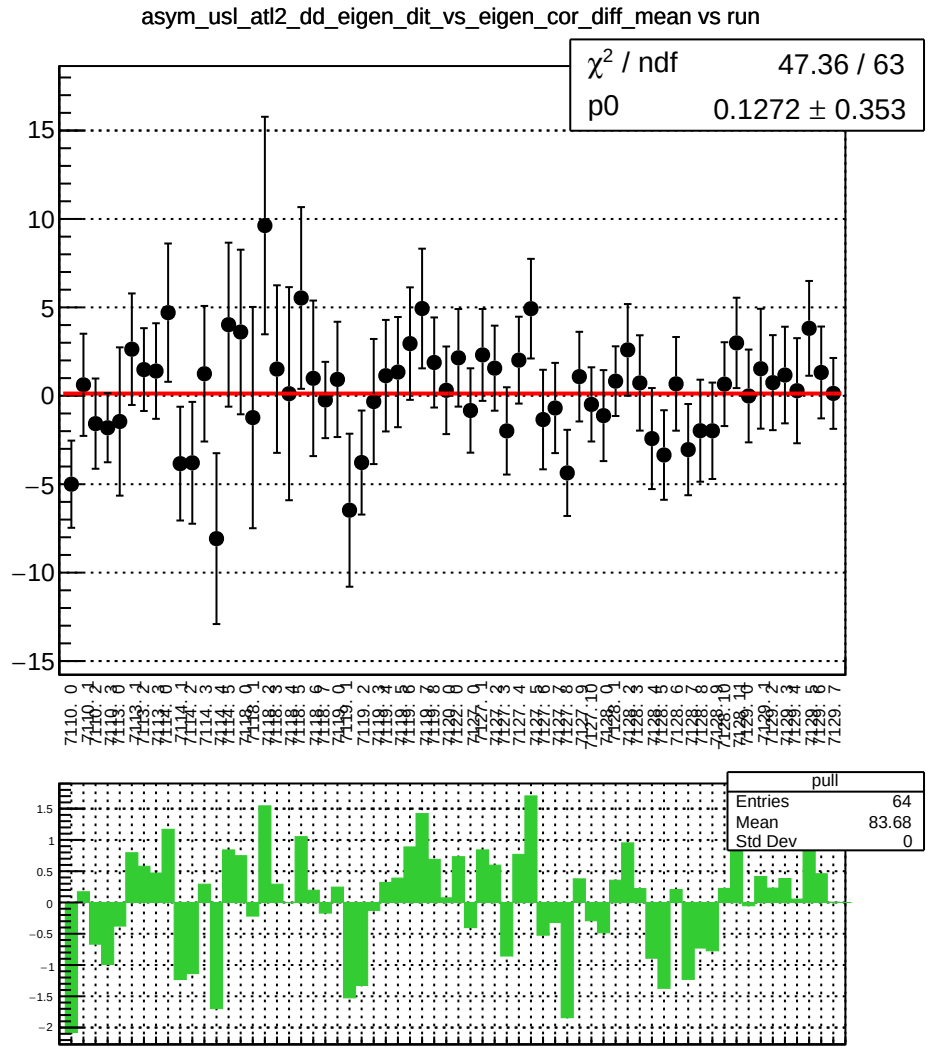

pull1D
Entries 64
Mean 0.01043
Std Dev 0.9265

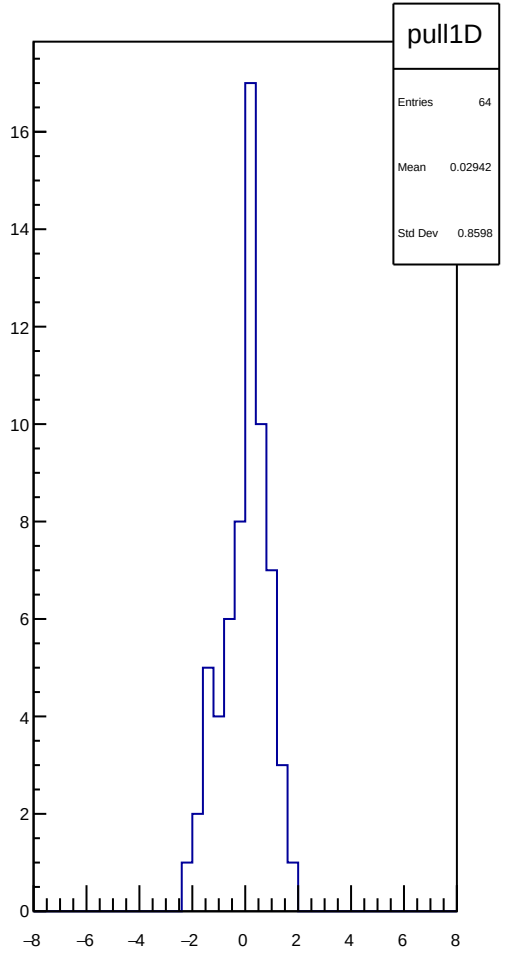

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.745e+04 / 63
p0 0.01713 ± 1.558e–05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015

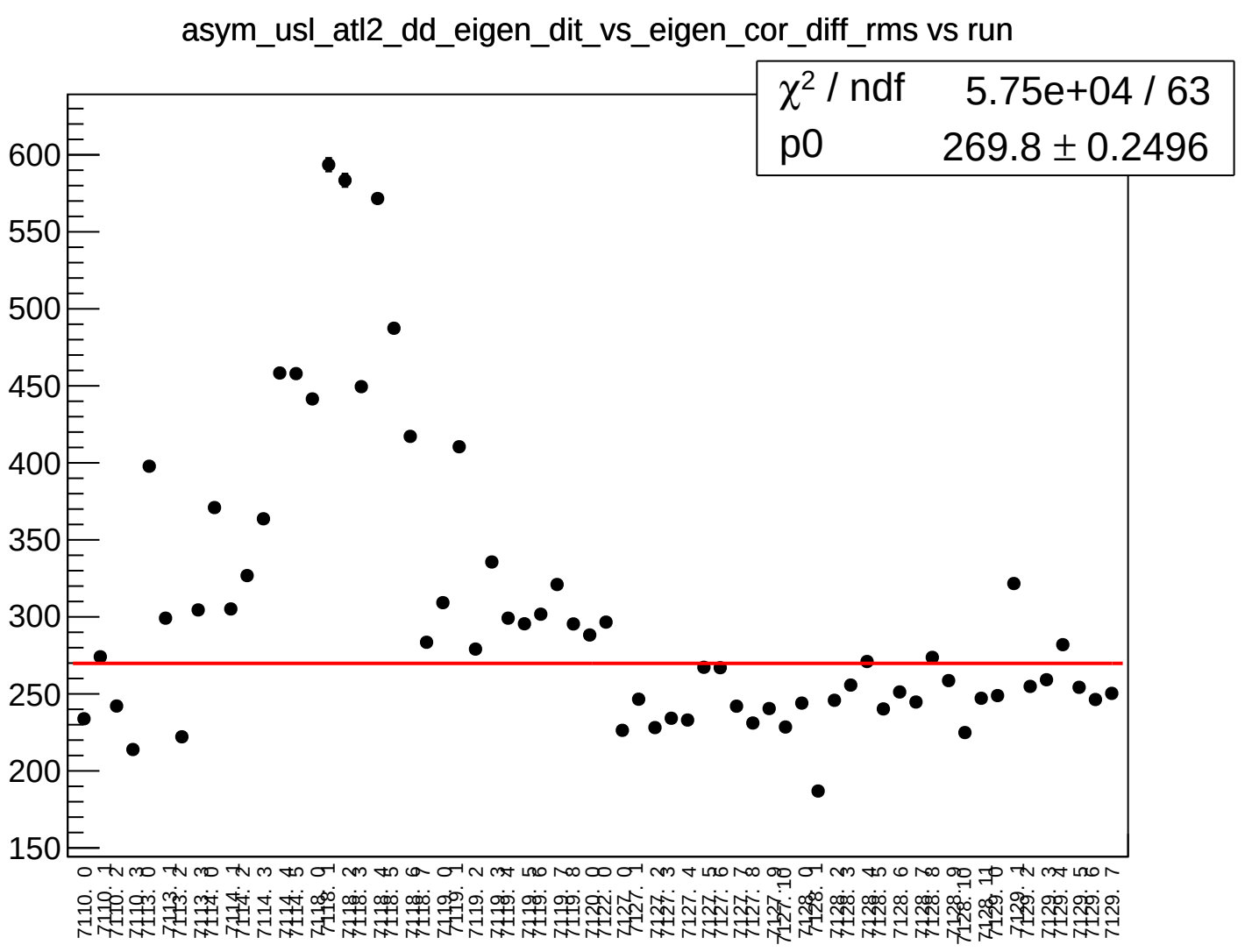

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.36 / 63
p0 0.1272 ± 0.353
pull
Entries 64
Mean 83.68
Std Dev 0

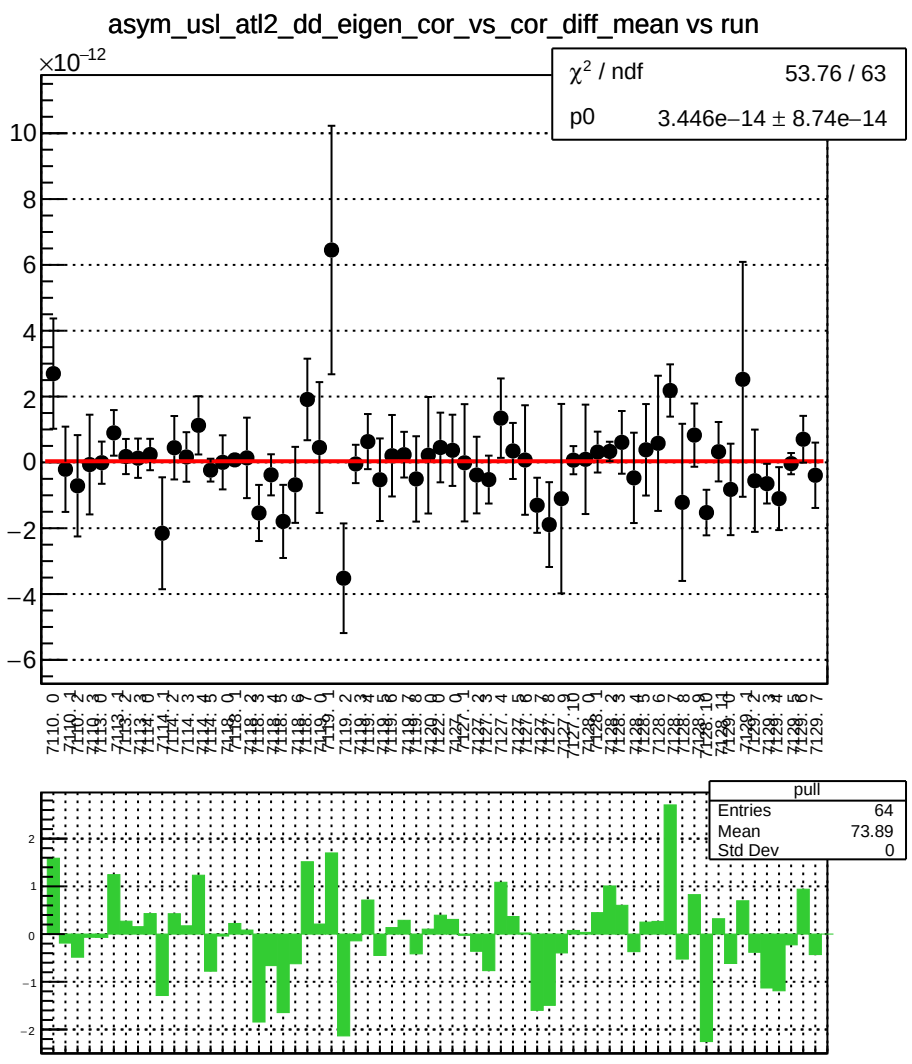

pull1D
Entries 64
Mean 0.02942
Std Dev 0.8598

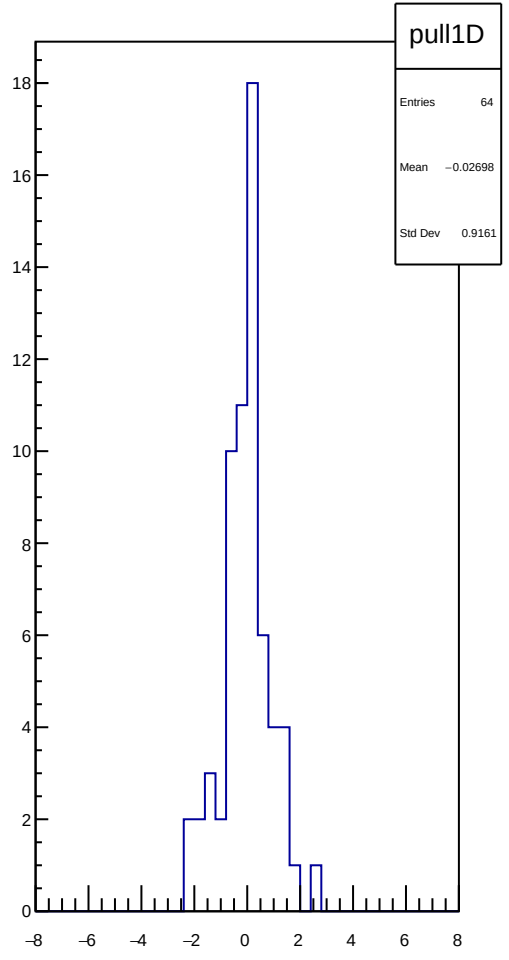

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.75e+04 / 63
p0 269.8 ± 0.2496
600
550
500
450
400
350
300
250
200
150

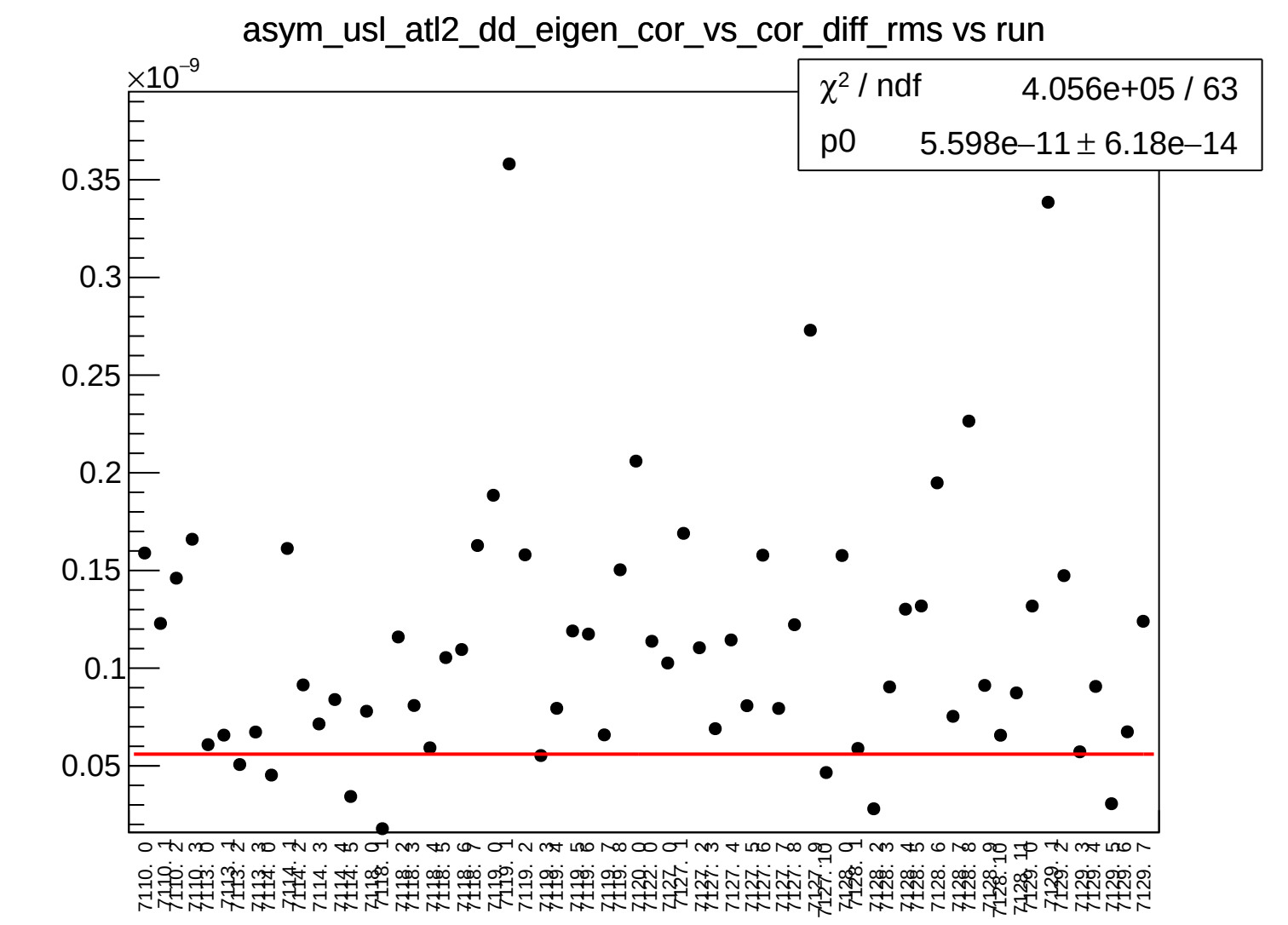

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.36 / 63
p0 0.1272 ± 0.353
pull
Entries 64
Mean 83.68
Std Dev 0

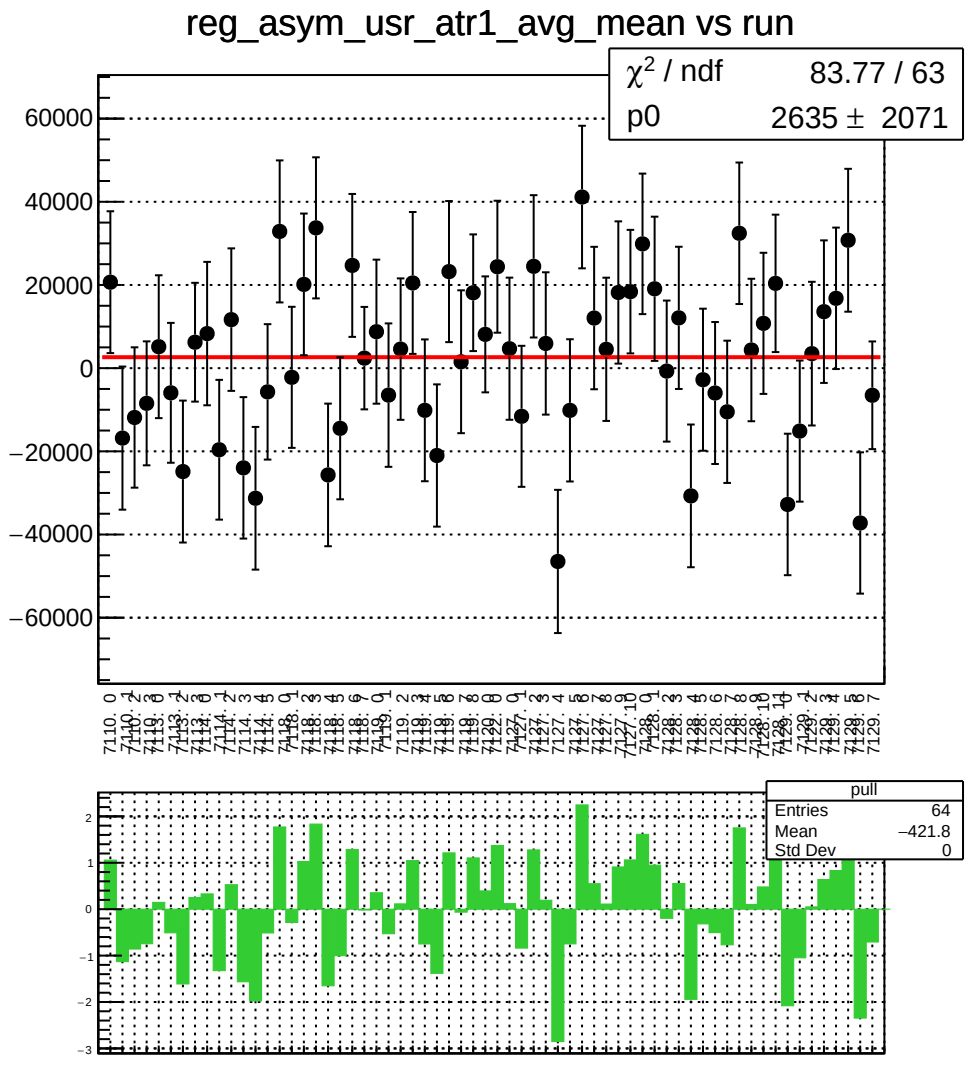

pull1D
Entries 64
Mean 0.02942
Std Dev 0.8598

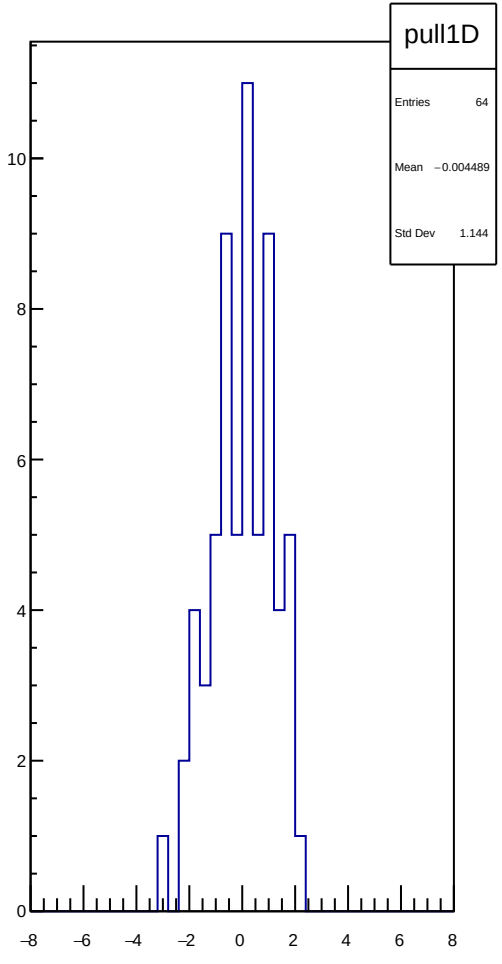

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.75e+04 / 63
p0 269.8 ± 0.2496
600
550
500
450
400
350
300
250
200
150

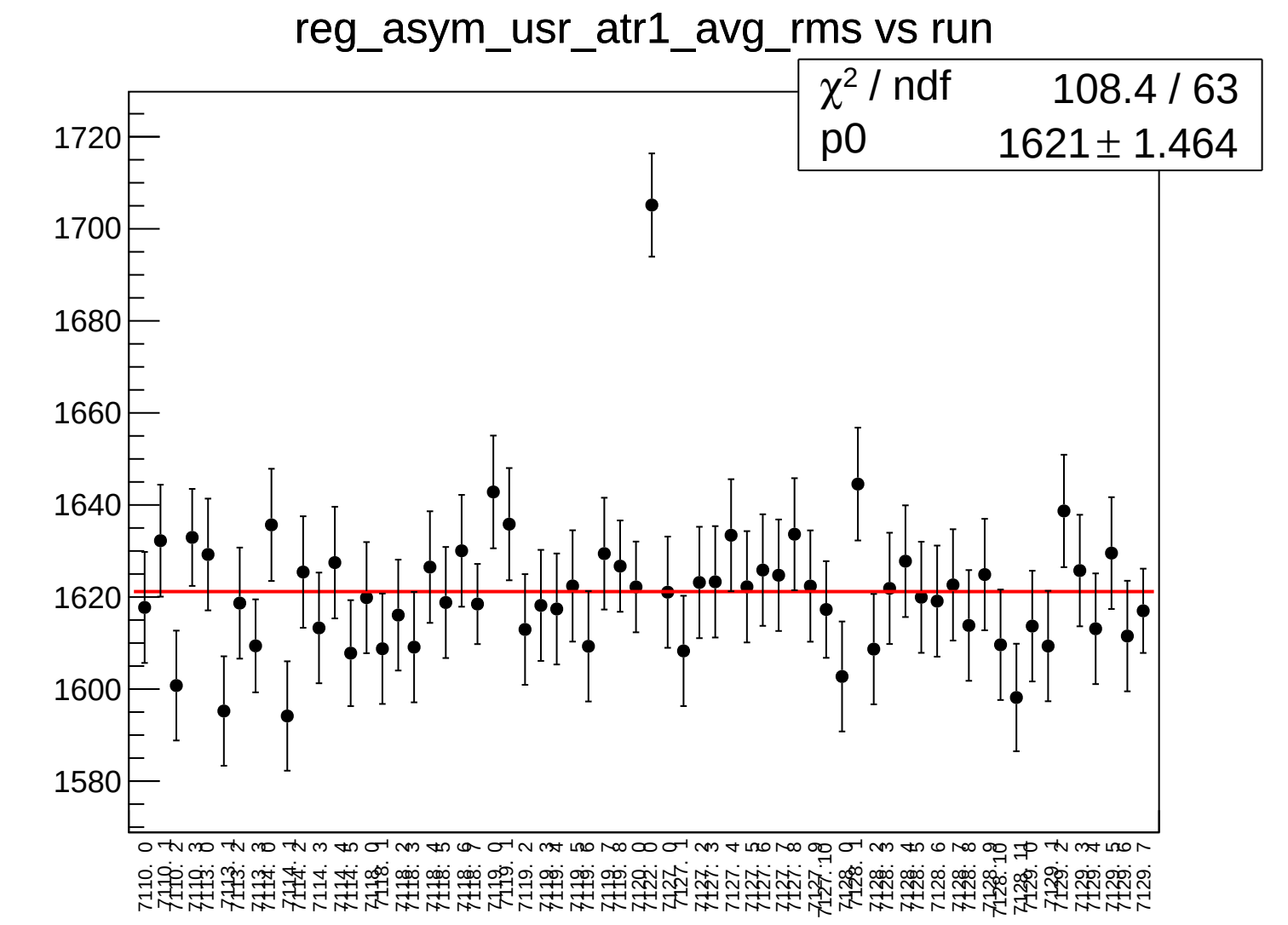

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.76 / 63
p0 3.446e−14 ± 8.74e−14
pull
Entries 64
Mean 73.89
Std Dev 0

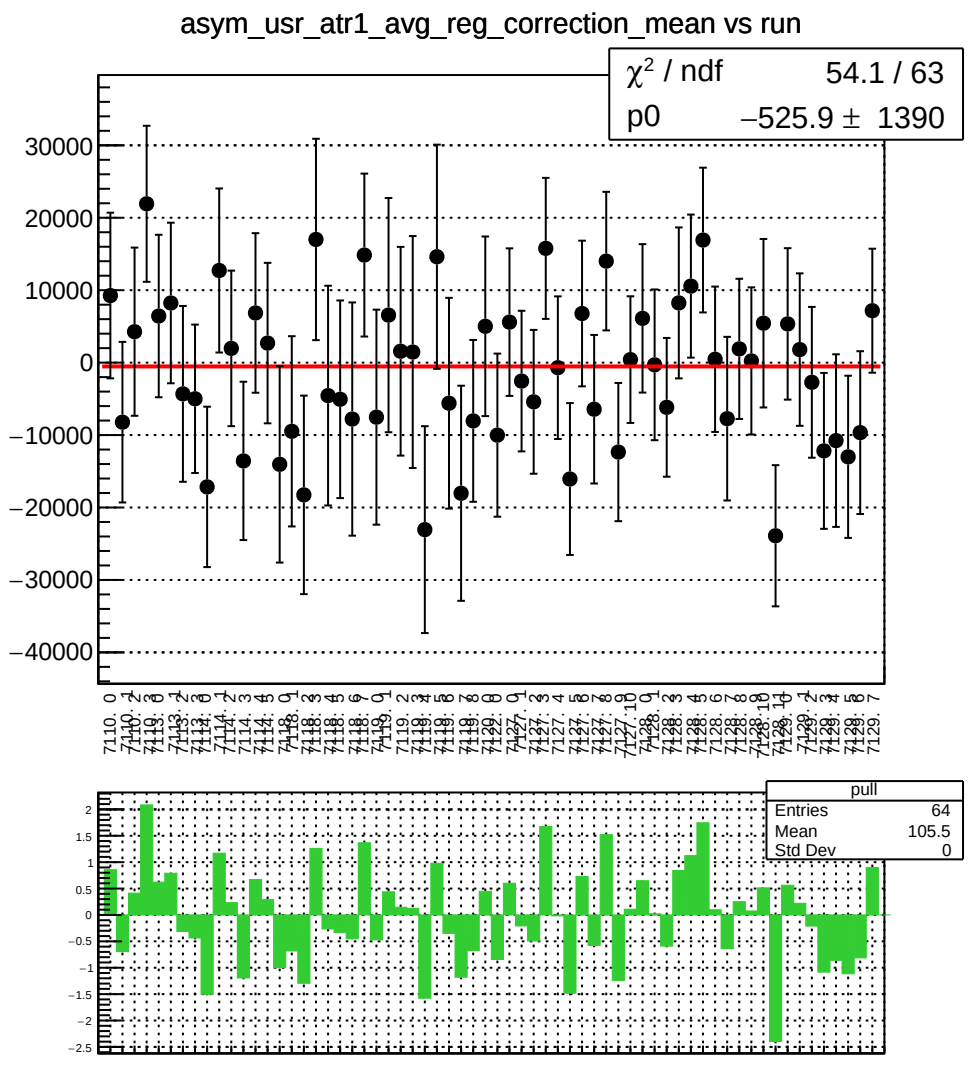

pull1D
Entries 64
Mean −0.02698
Std Dev 0.9161

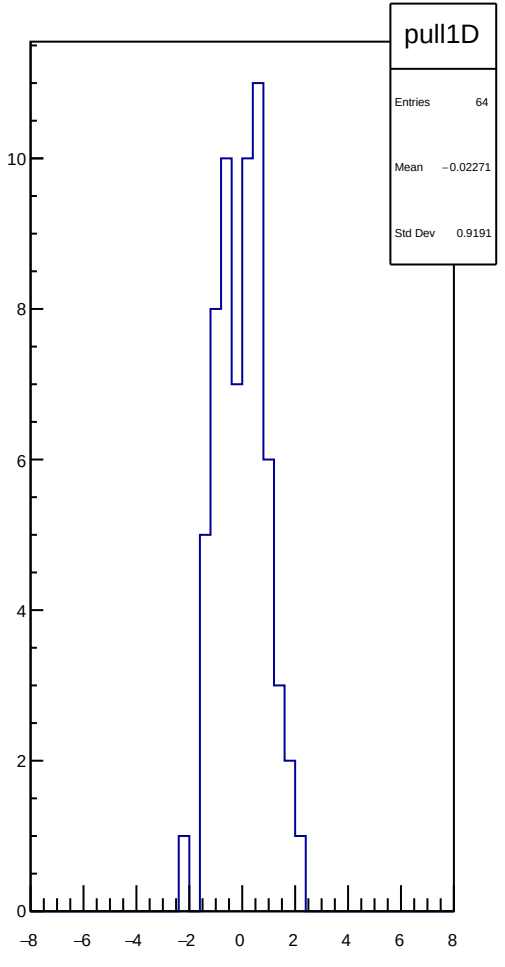

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.056e+05 / 63
p0 5.598e−11 ± 6.18e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

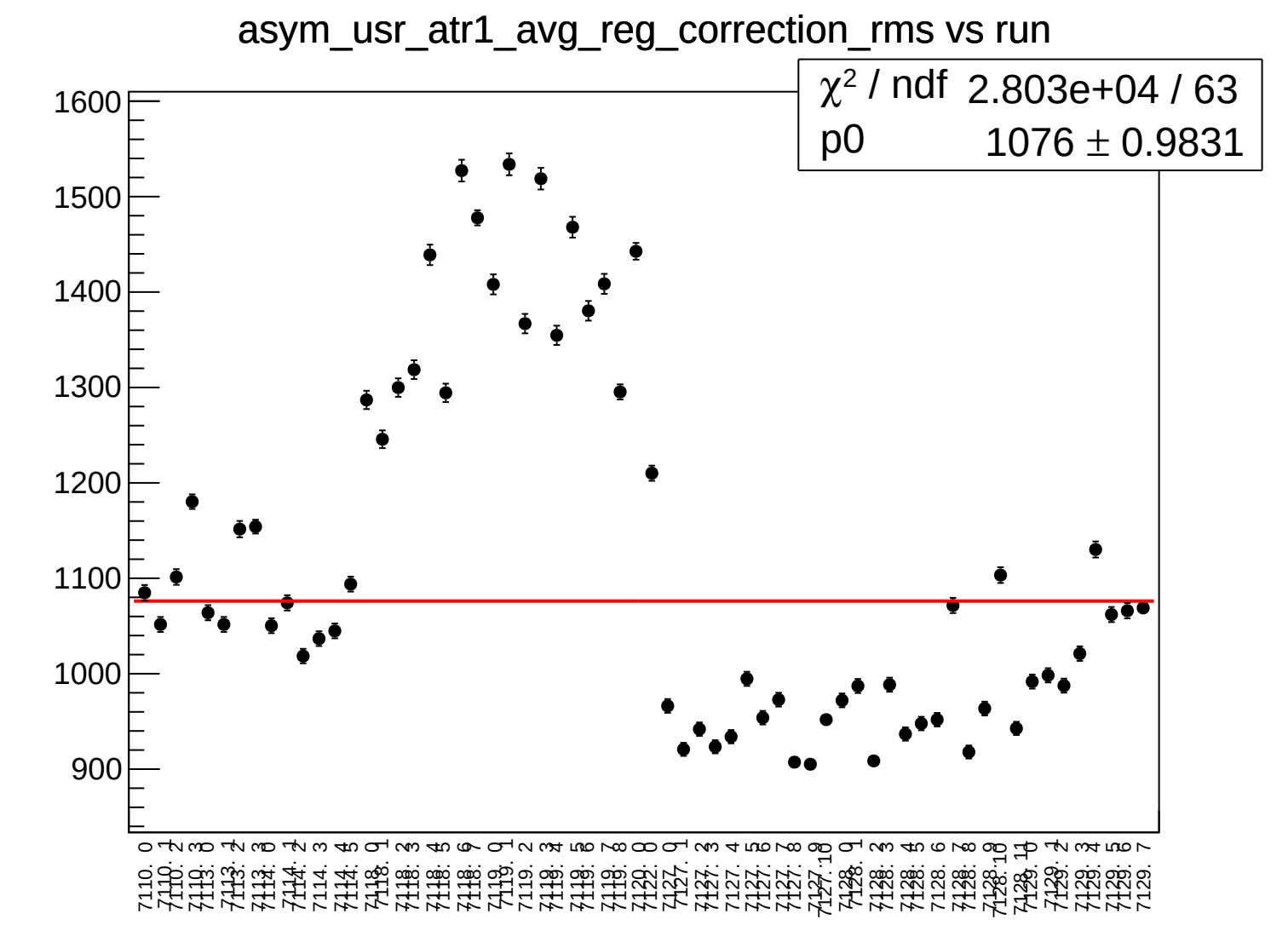

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 83.77 / 63
p0 2635 ± 2071
pull
Entries 64
Mean −421.8
Std Dev 0

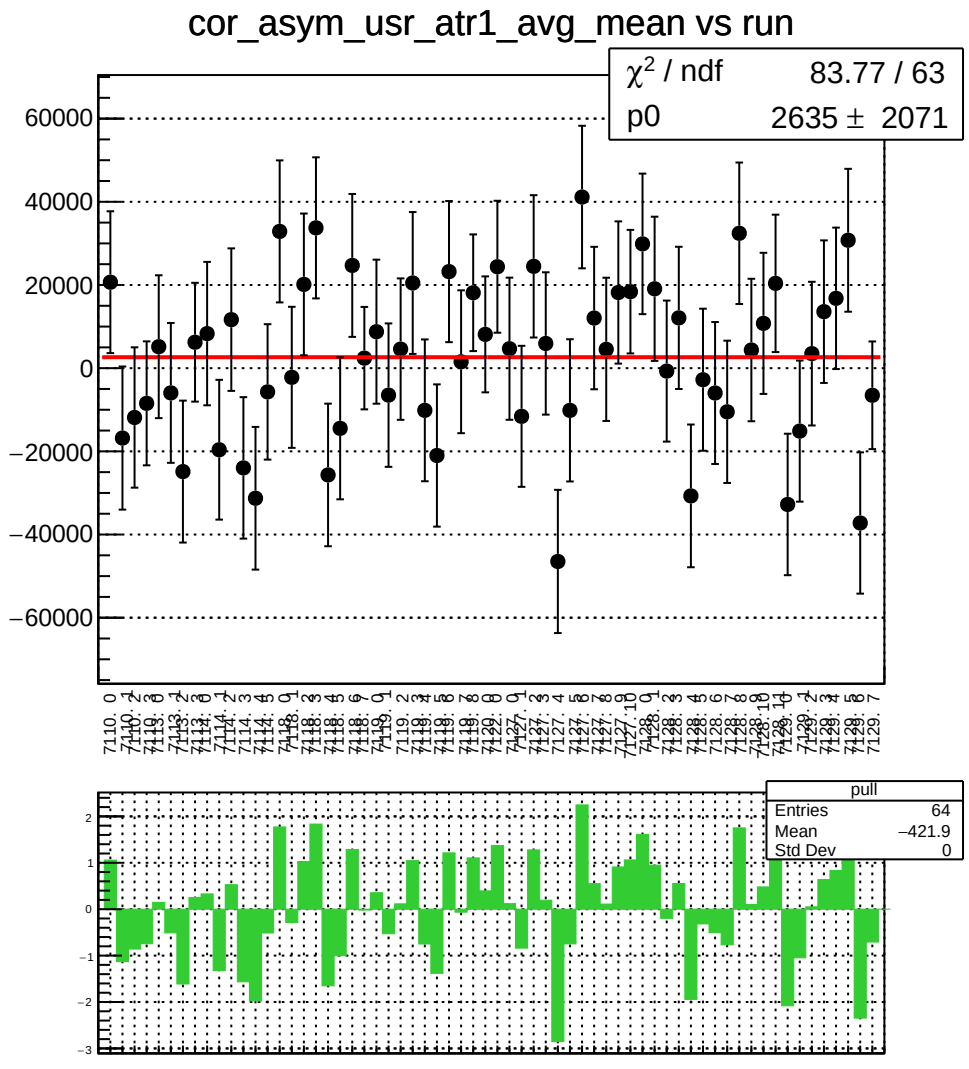

pull1D
Entries 64
Mean −0.004489
Std Dev 1.144

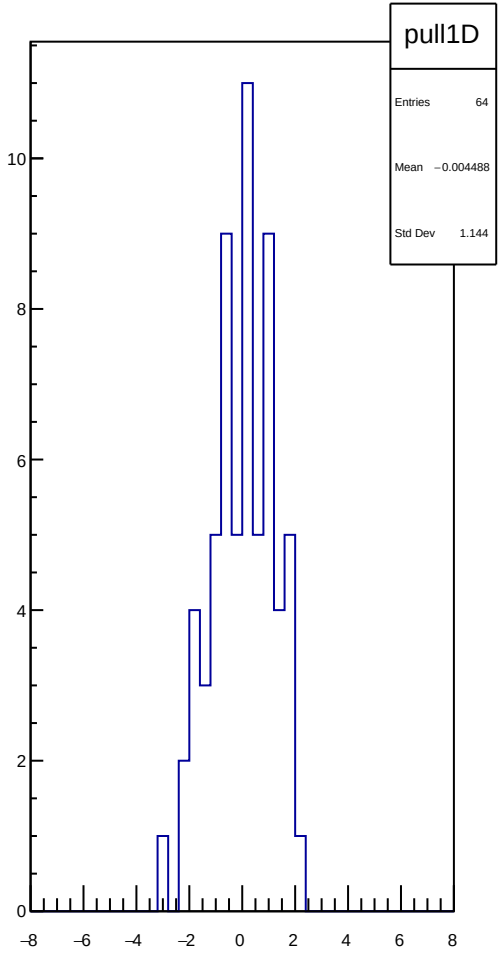

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 108.4 / 63
p0 1621 ± 1.464
1720
1700
1680
1660
1640
1620
1600
1580

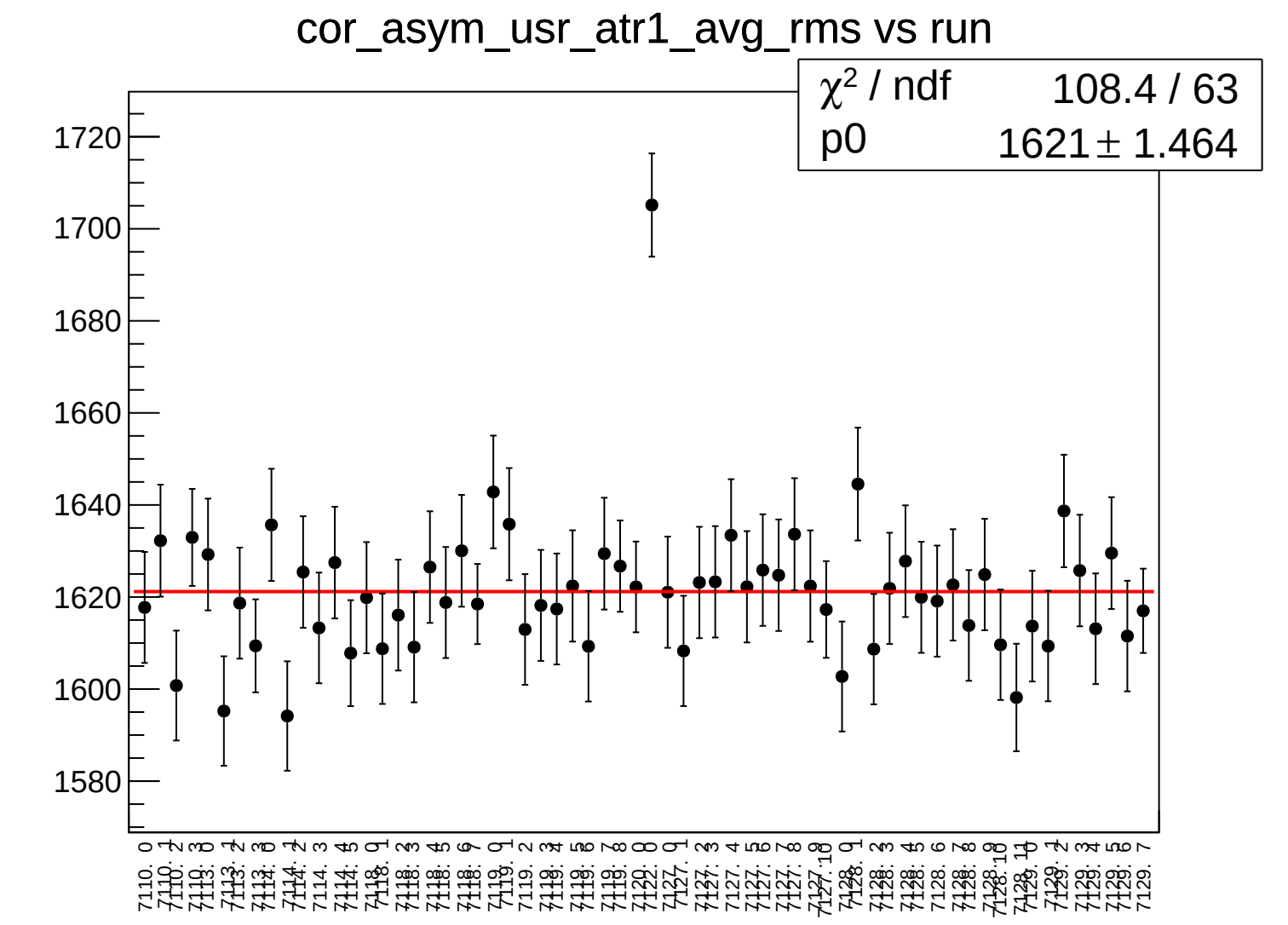

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 54.1 / 63
p0 −525.9 ± 1390
pull
Entries 64
Mean 105.5
Std Dev 0

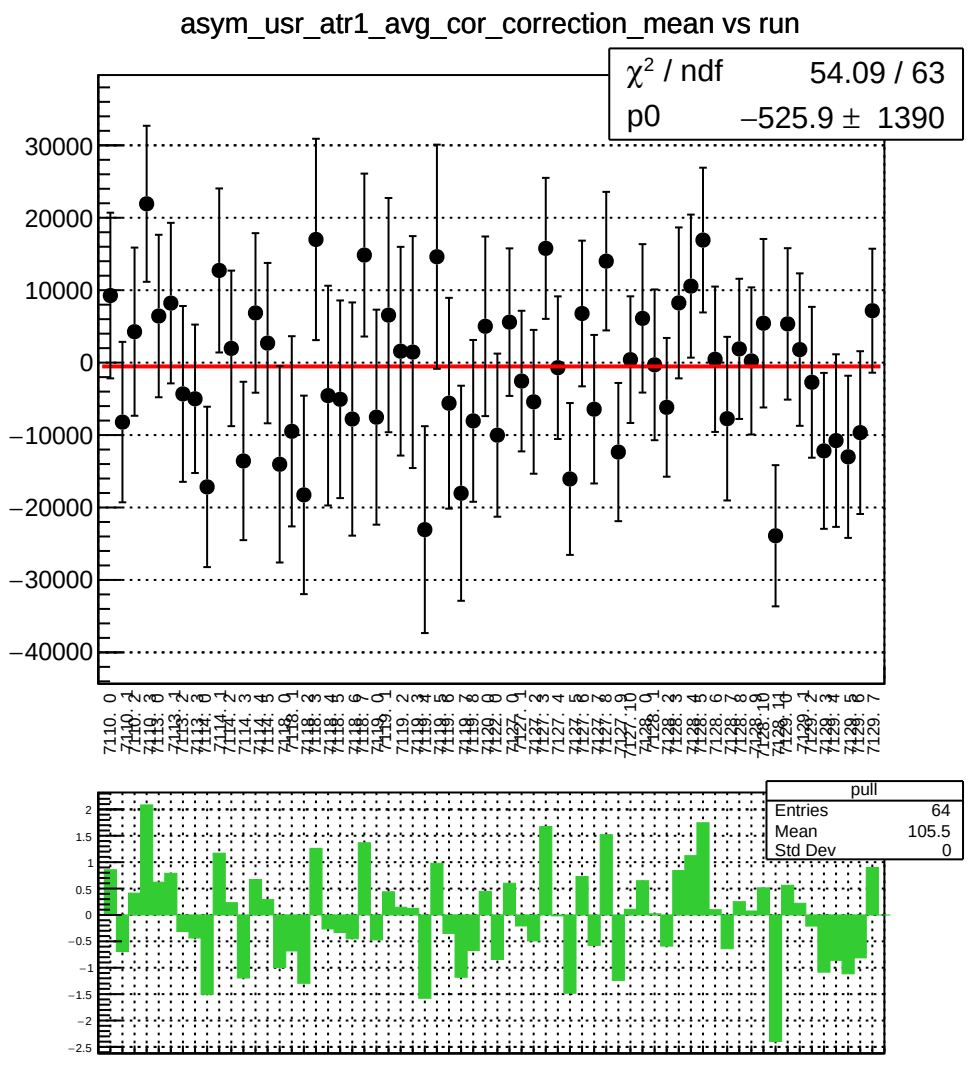

pull1D
Entries 64
Mean −0.02271
Std Dev 0.9191

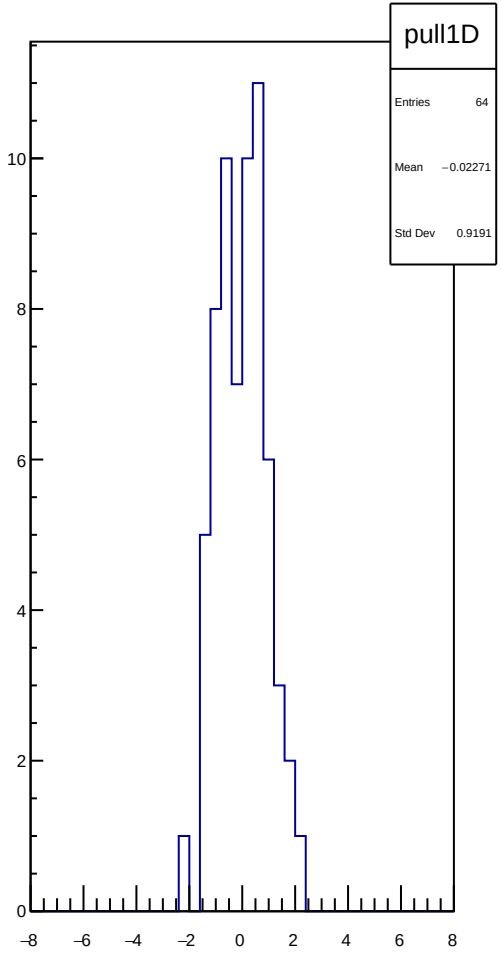

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 2.803e+04 / 63
p0 1076 ± 0.9831
1600
1500
1400
1300
1200
1100
1000
900

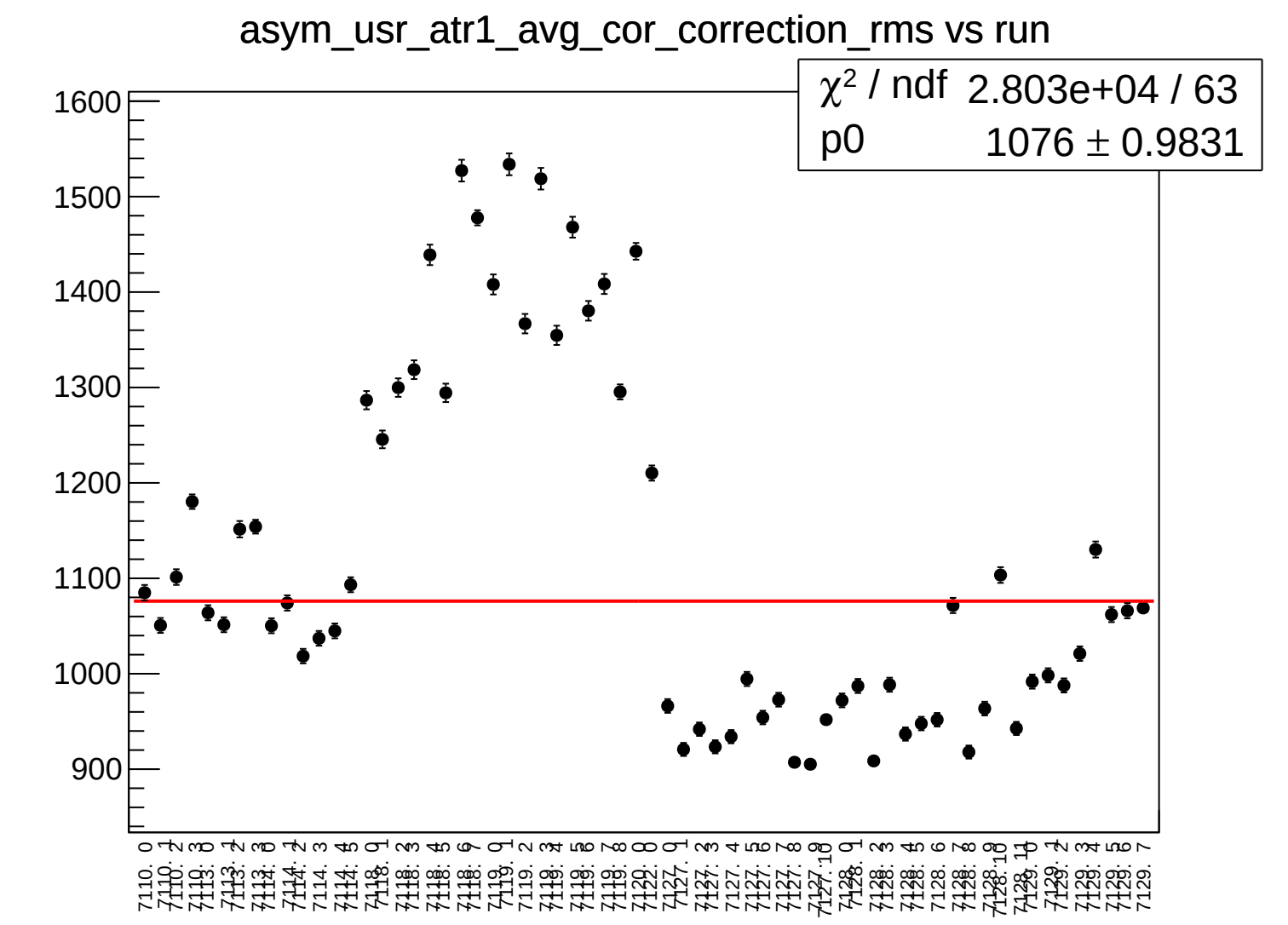

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 83.77 / 63
p0 2635 ± 2071
pull
Entries 64
Mean −421.9
Std Dev 0

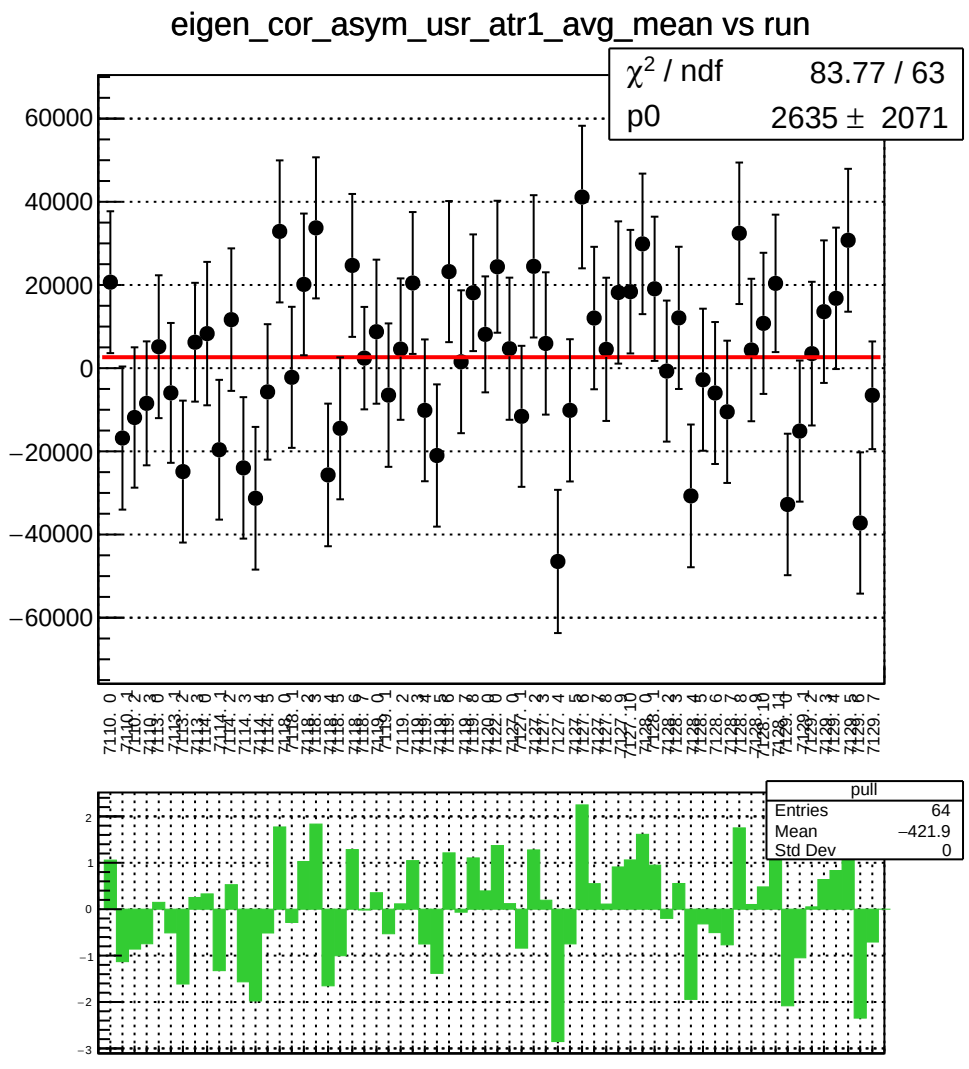

pull1D
Entries 64
Mean −0.004488
Std Dev 1.144

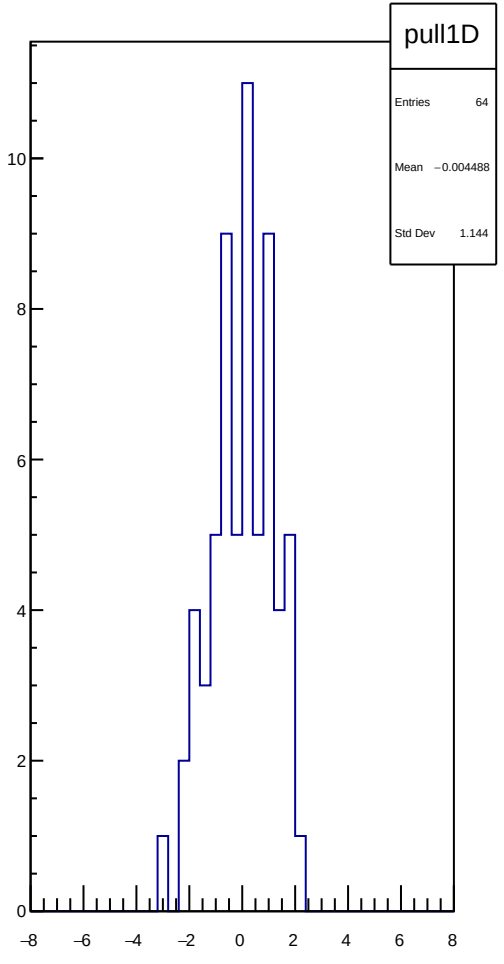

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 108.4 / 63
p0 1621 ± 1.464
1720
1700
1680
1660
1640
1620
1600
1580

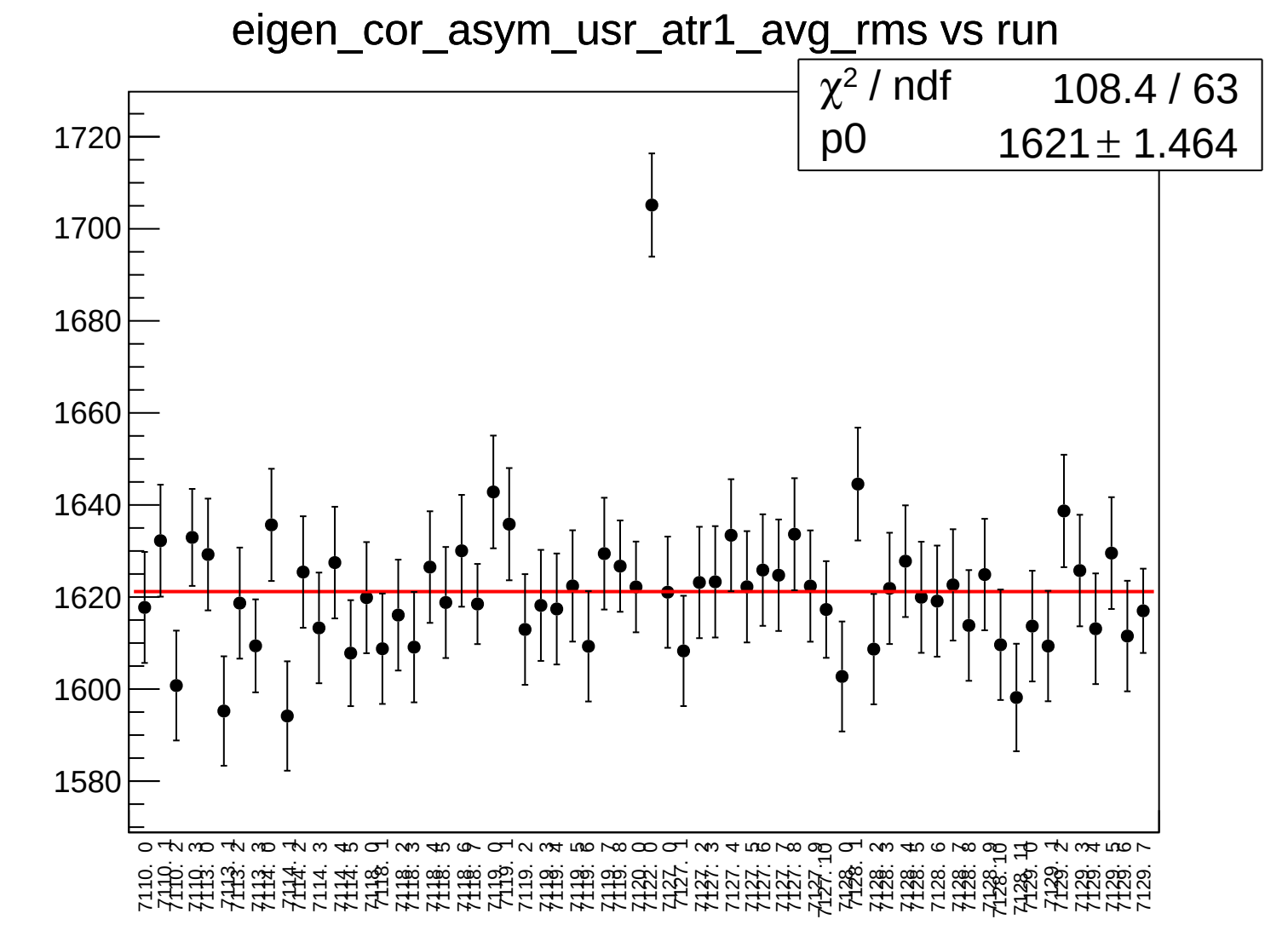

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 54.09 / 63
p0 −525.9 ± 1390
pull
Entries 64
Mean 105.5
Std Dev 0

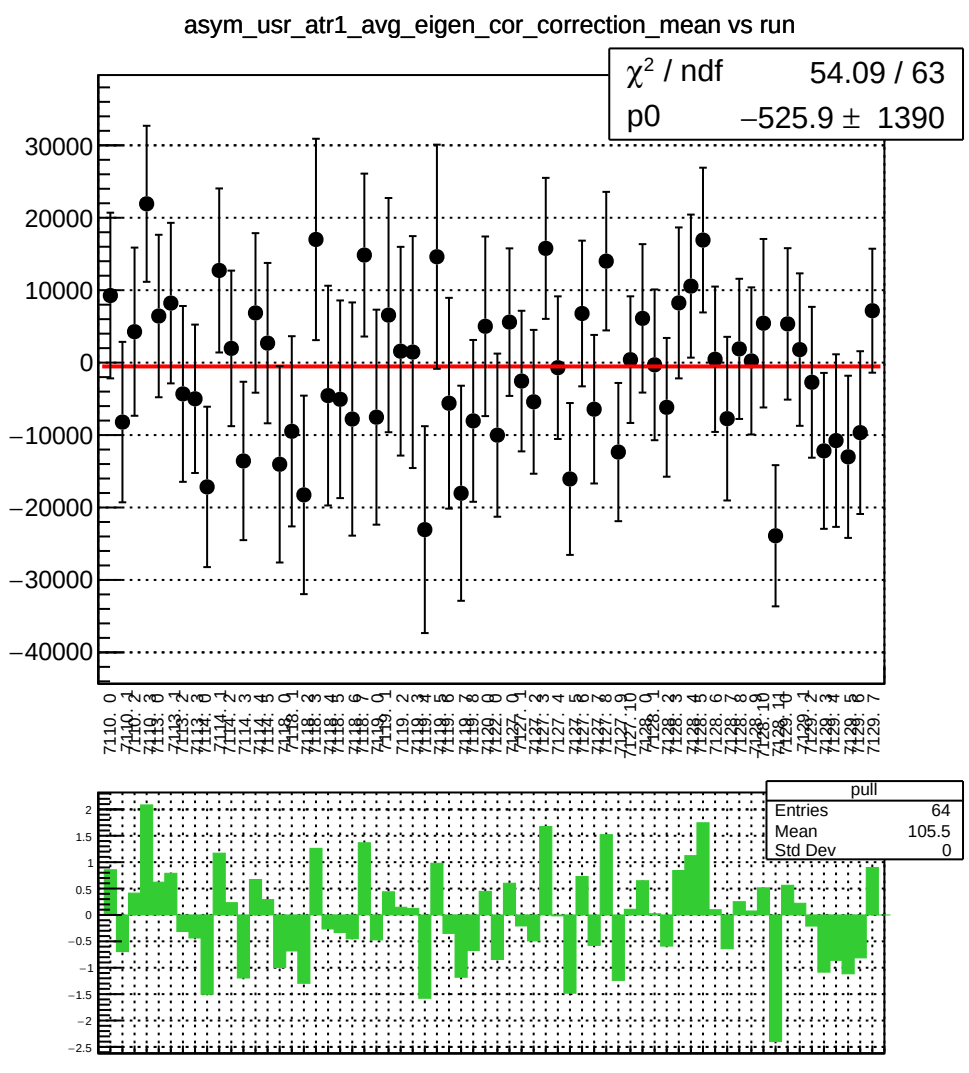

pull1D
Entries 64
Mean −0.02271
Std Dev 0.9191

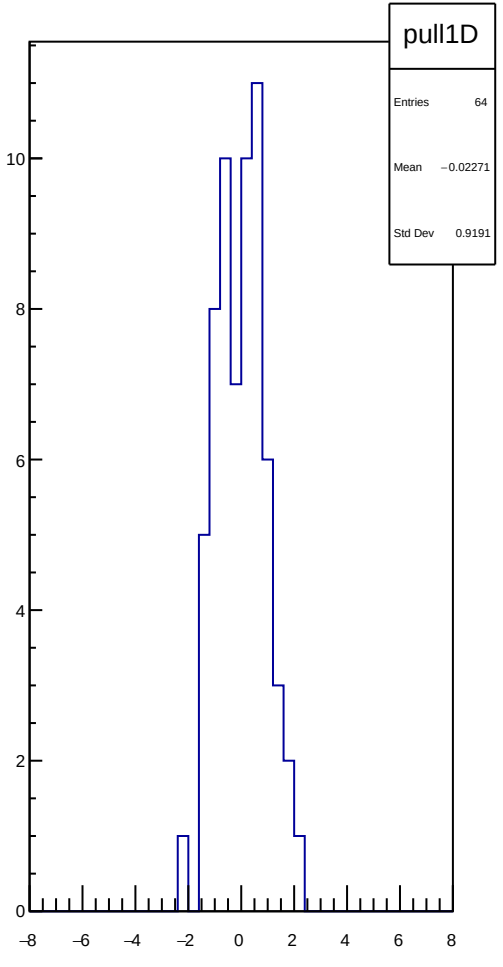

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 2.803e+04 / 63
p0 1076 ± 0.9831
1600
1500
1400
1300
1200
1100
1000
900

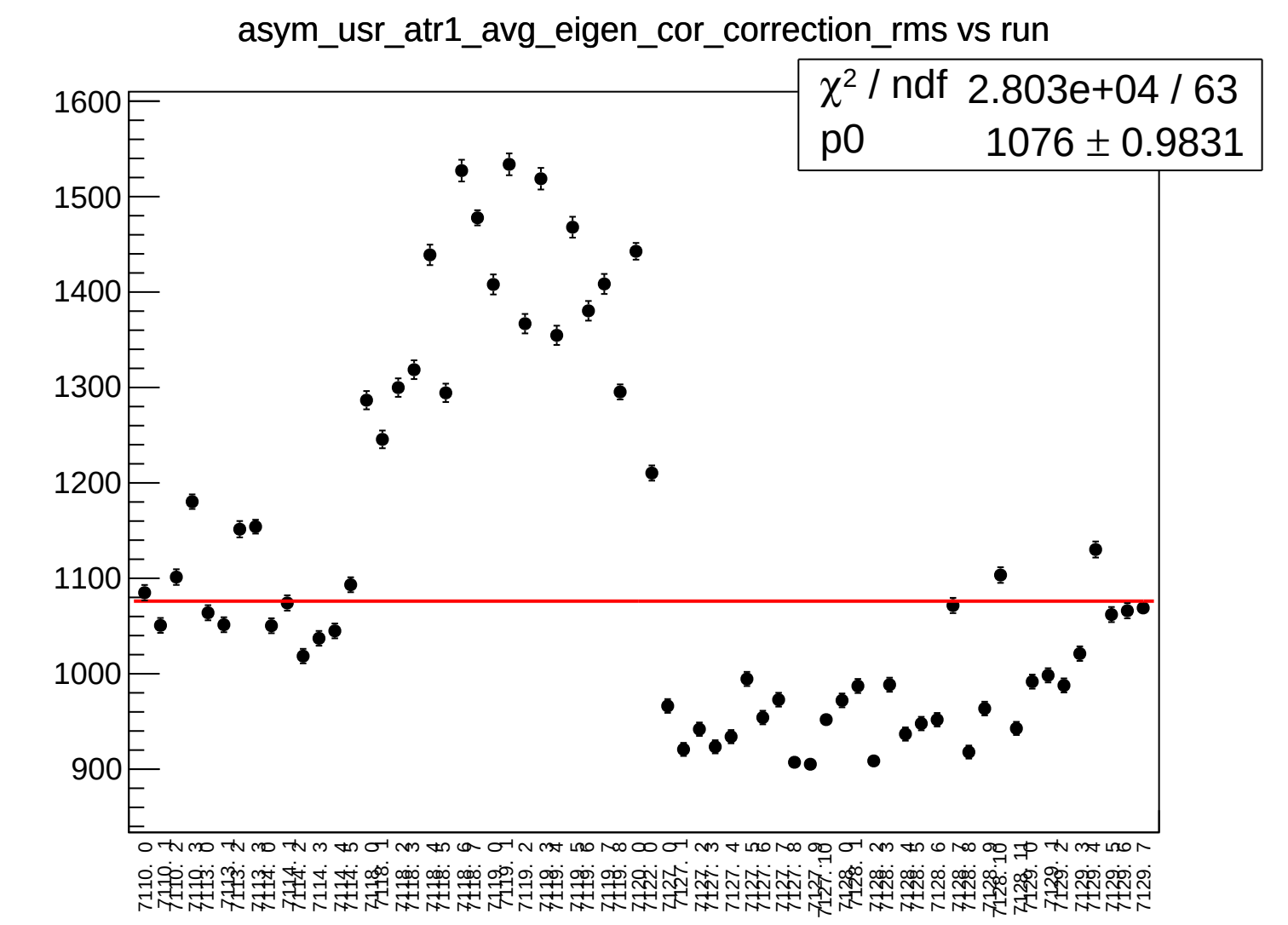

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 83.77 / 63
p0 2635 ± 2071
pull
Entries 64
Mean −421.9
Std Dev 0

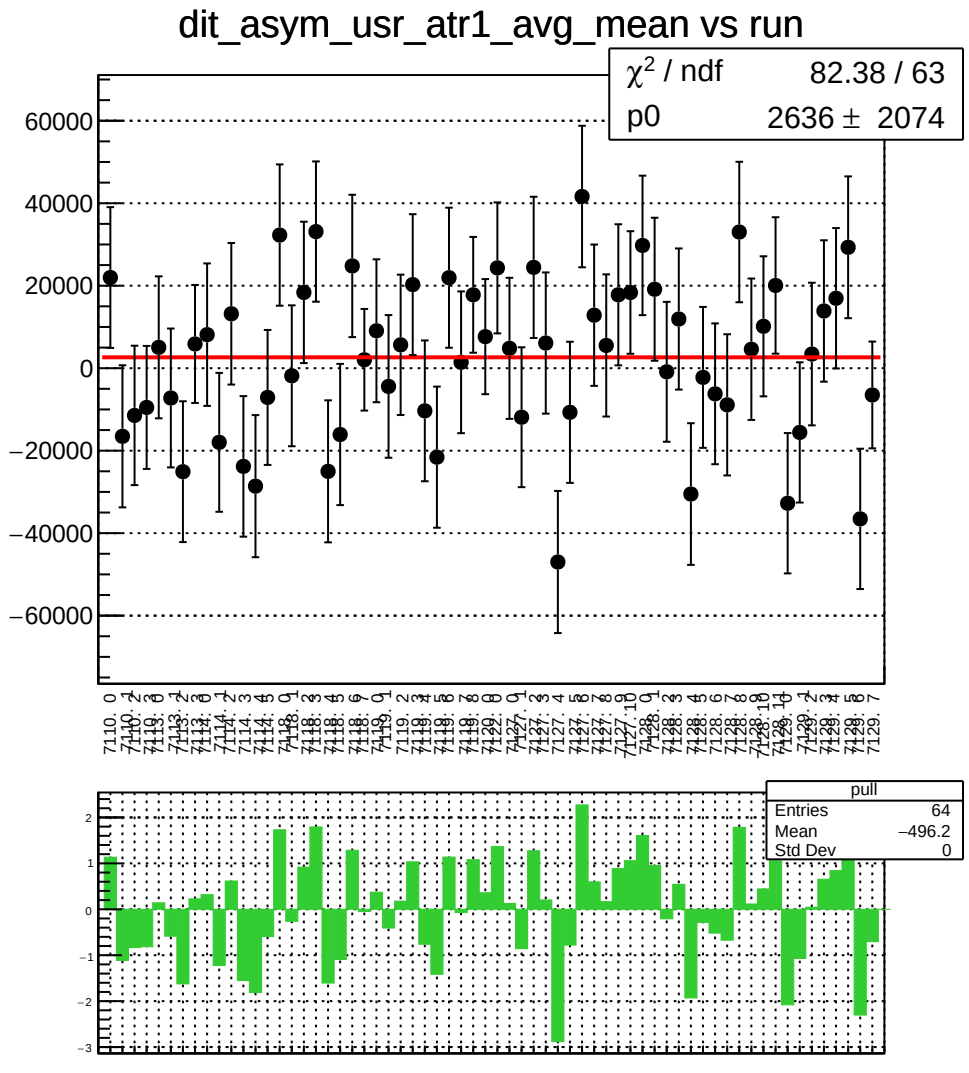

pull1D
Entries 64
Mean −0.004488
Std Dev 1.144

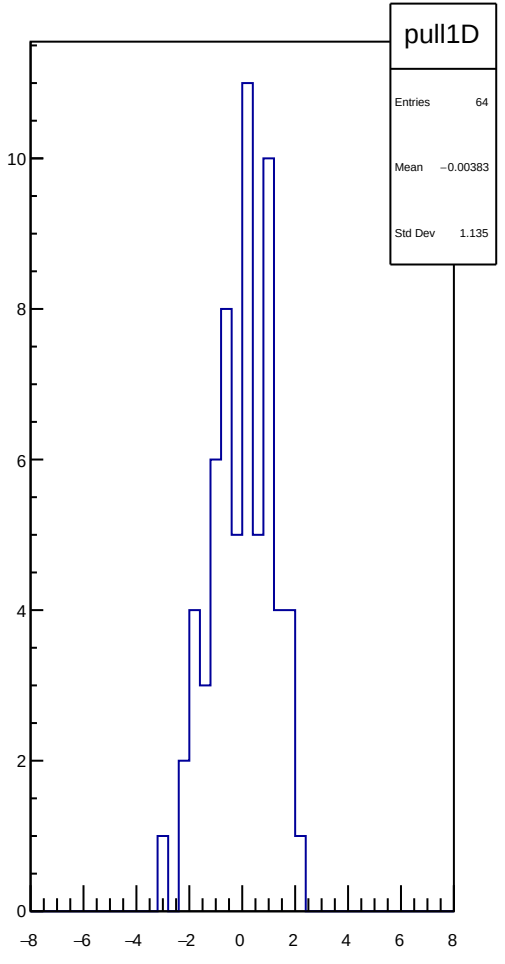

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 108.4 / 63
p0 1621 ± 1.464
1720
1700
1680
1660
1640
1620
1600
1580

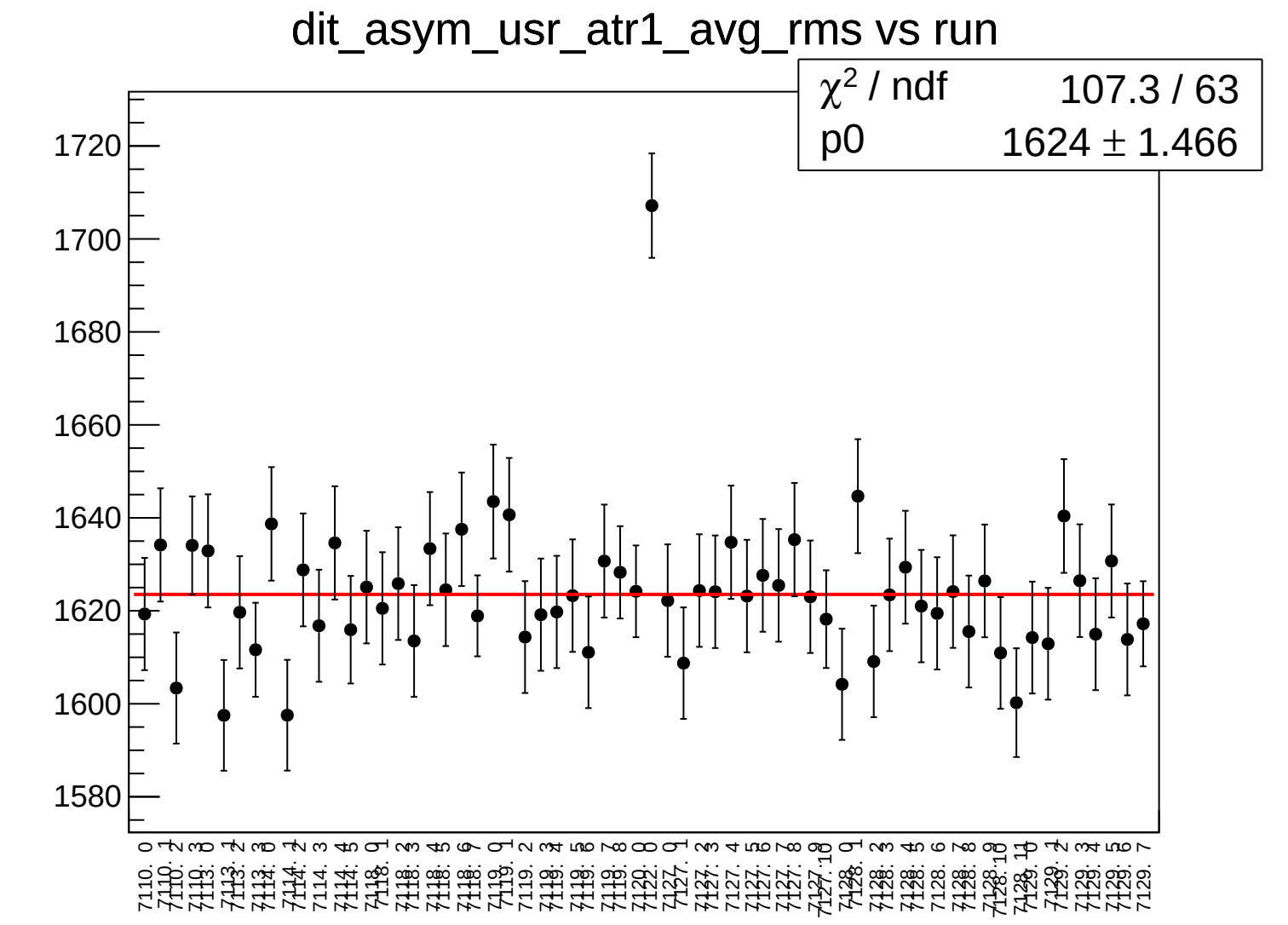

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.09 / 63
p0 −525.9 ± 1390
pull
Entries 64
Mean 105.5
Std Dev 0

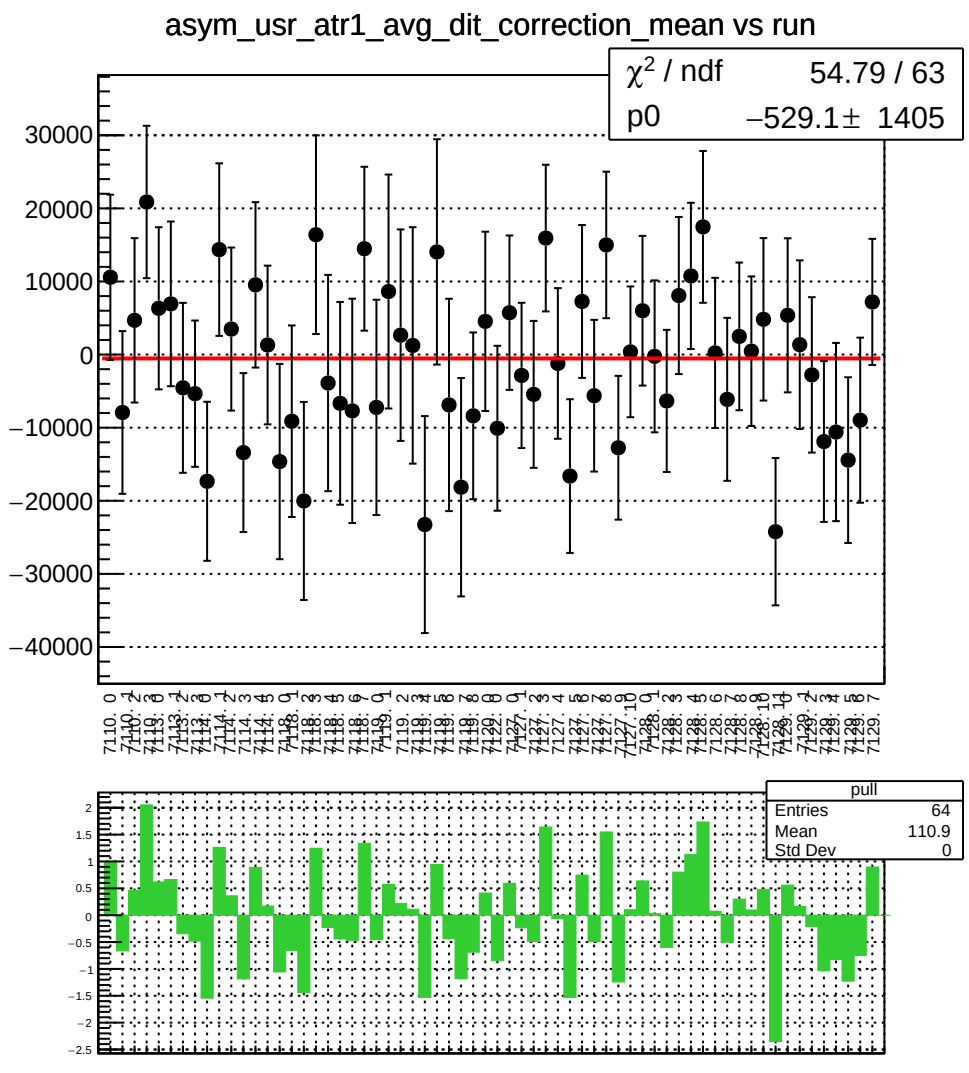

pull1D
Entries 64
Mean −0.02271
Std Dev 0.9191

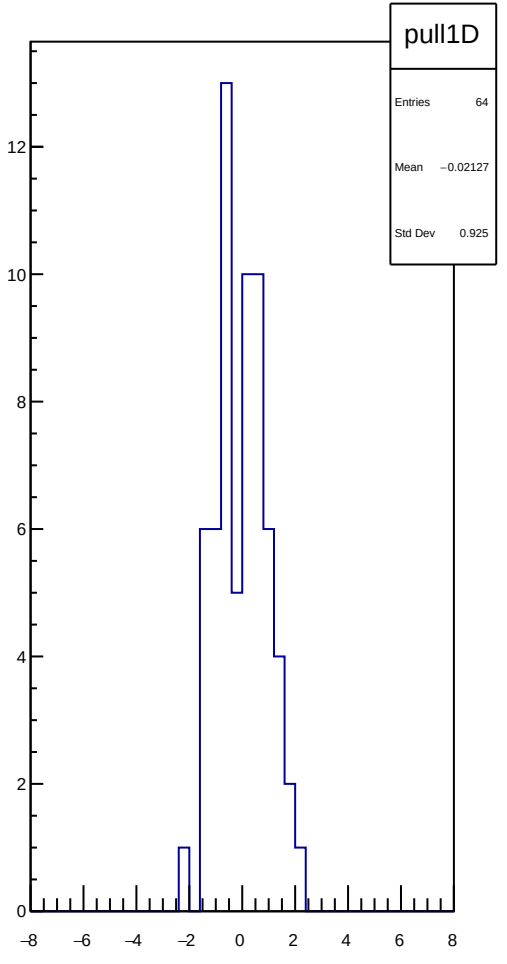

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.803e+04 / 63
p0 1076 ± 0.9831
1600
1500
1400
1300
1200
1100
1000
900

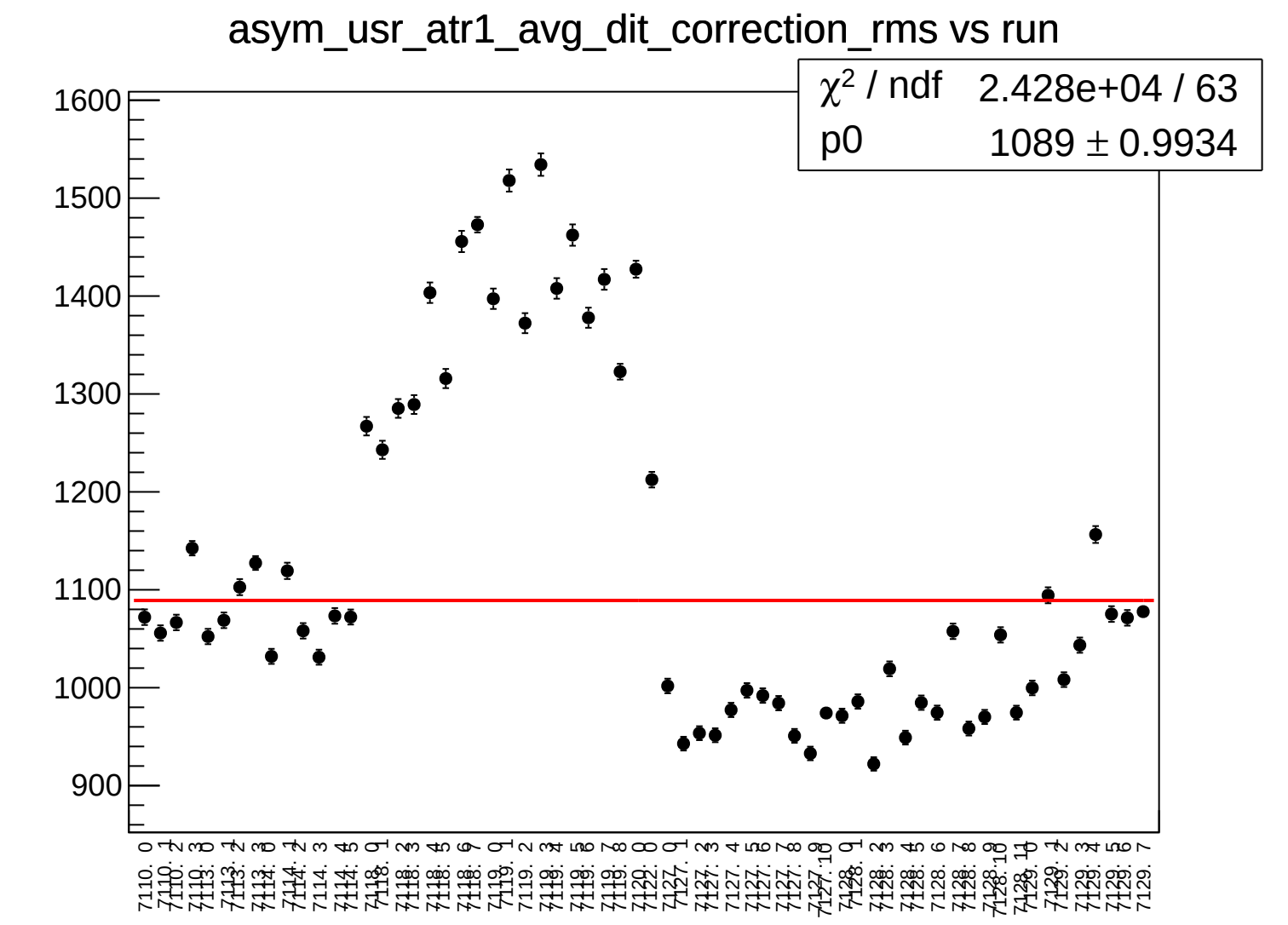

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 82.38 / 63
p0 2636 ± 2074
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −496.2
Std Dev 0
2
1
0
−1
−2
−3

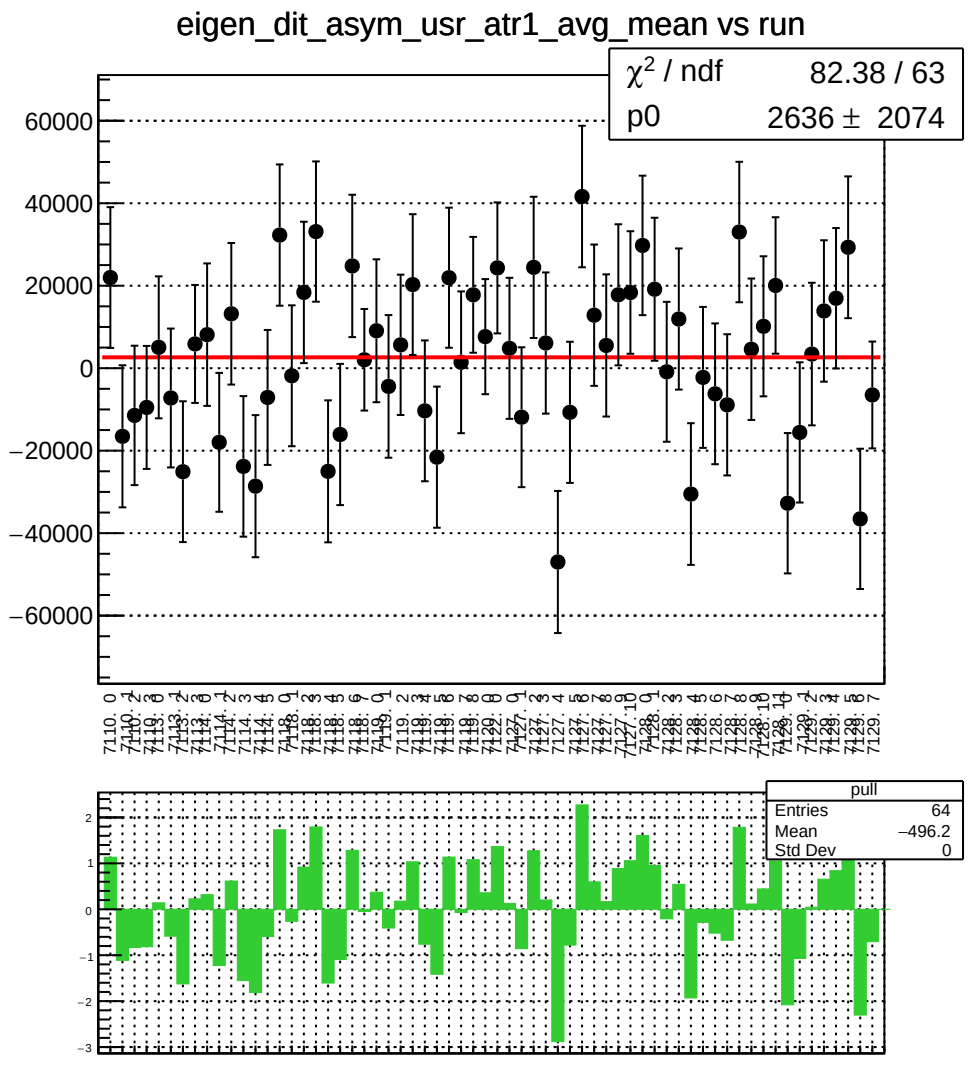

pull1D
Entries 64
Mean −0.00383
Std Dev 1.135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

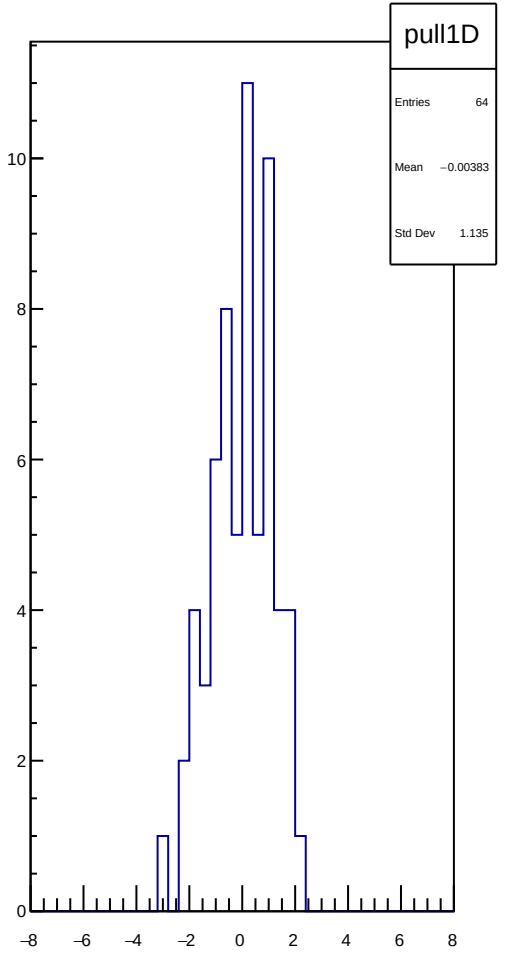

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 107.3 / 63
p0 1624 ± 1.466
1720
1700
1680
1660
1640
1620
1600
1580

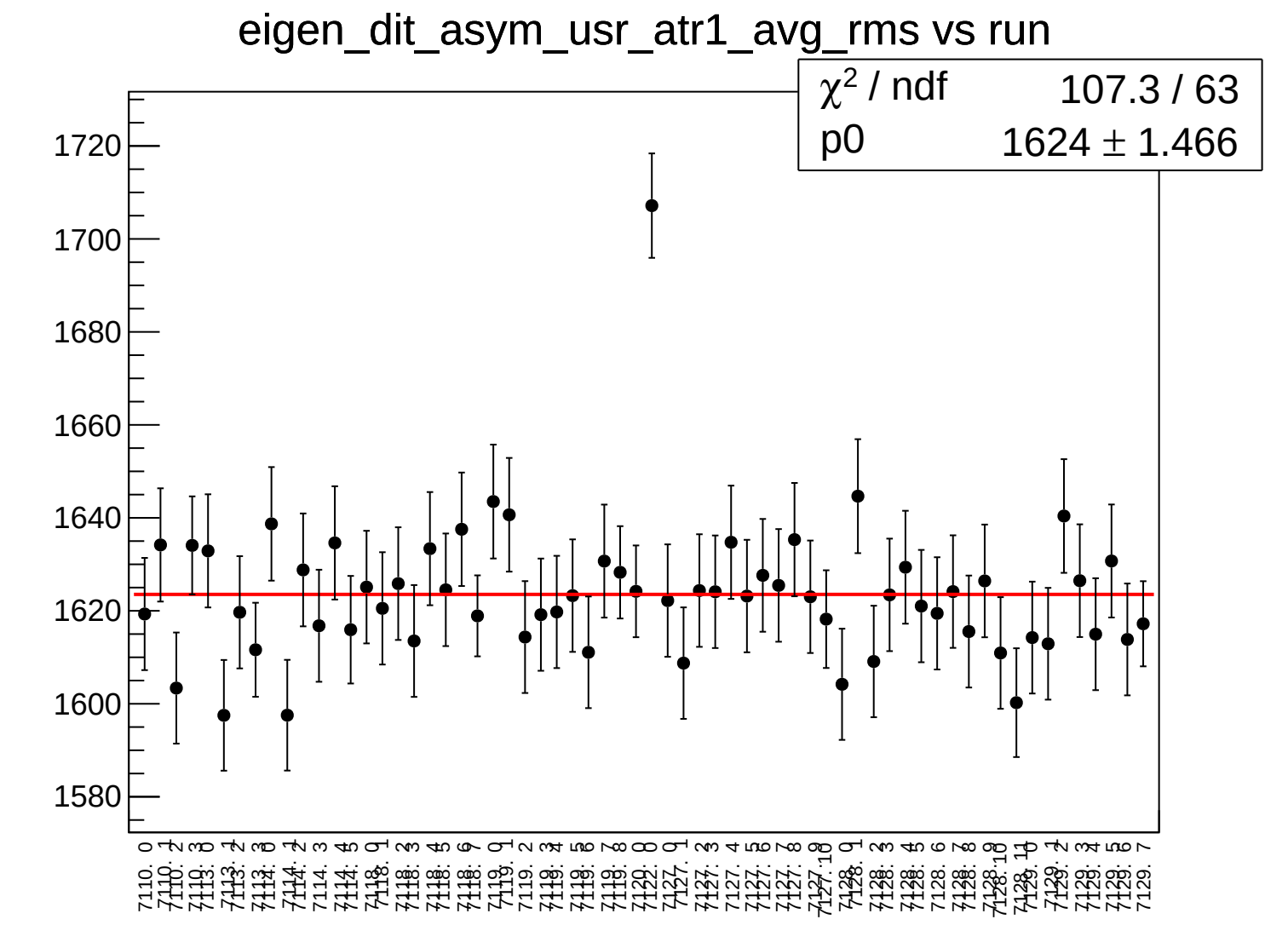

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 54.79 / 63
p0 −529.1± 1405
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 64
Mean 110.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

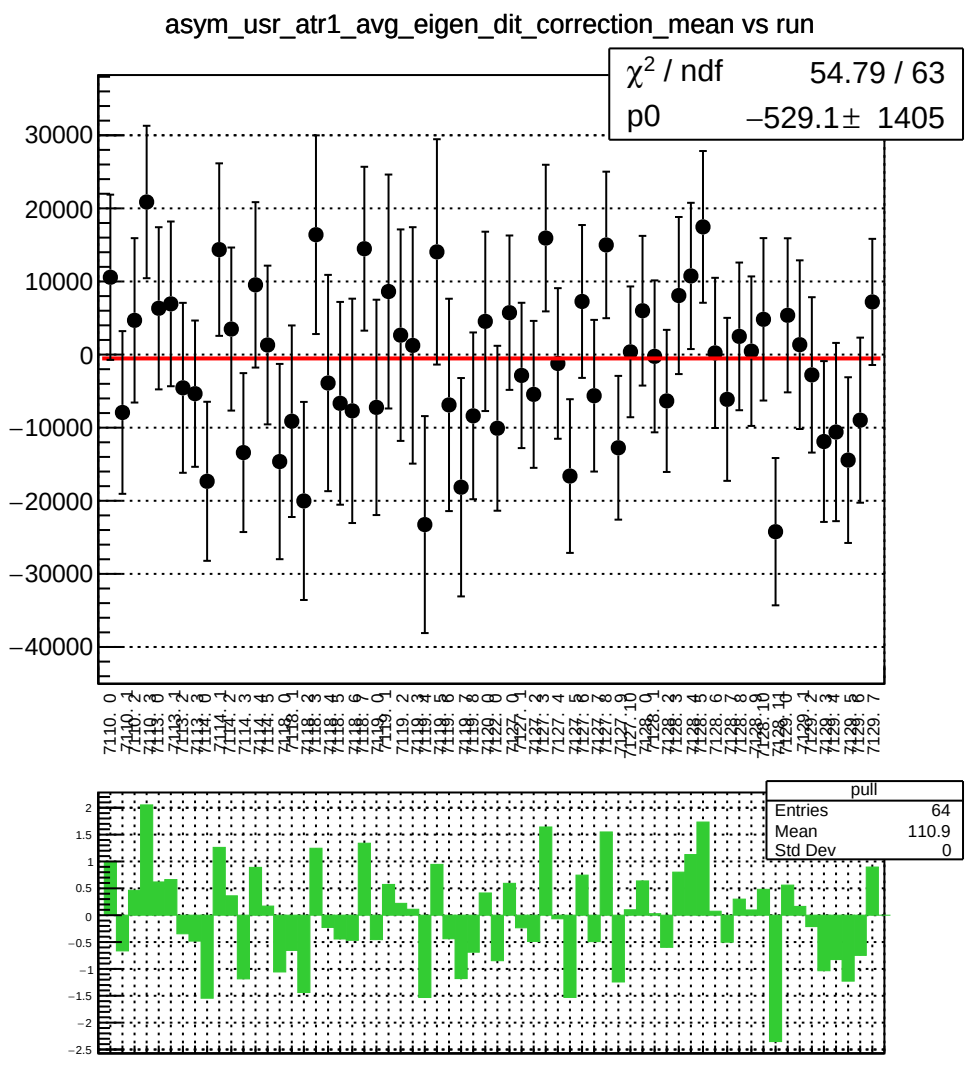

pull1D
Entries 64
Mean −0.02127
Std Dev 0.925
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

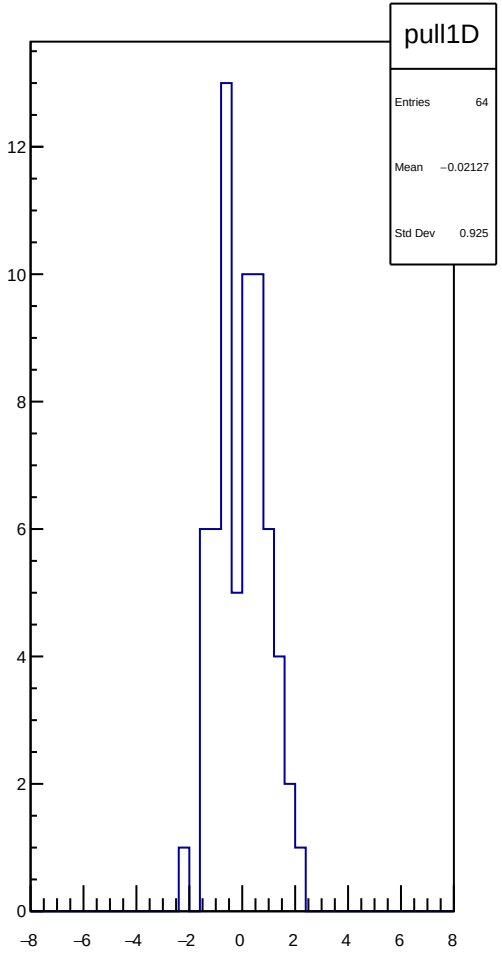

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 2.428e+04 / 63
p0 1089 ± 0.9934
1600
1500
1400
1300
1200
1100
1000
900

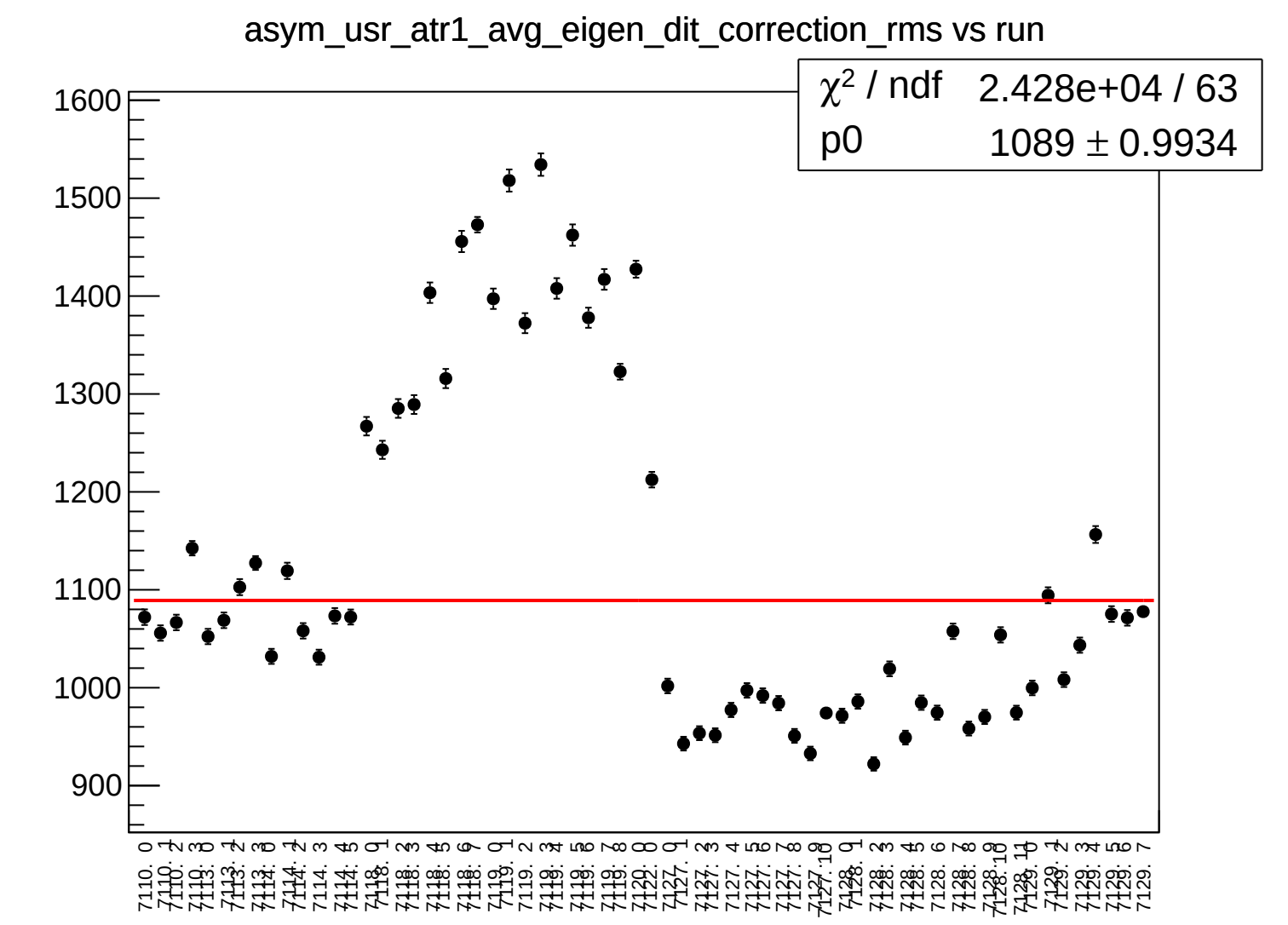

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 82.38 / 63
p0 2636 ± 2074
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −496.2
Std Dev 0
2
1
0
−1
−2
−3

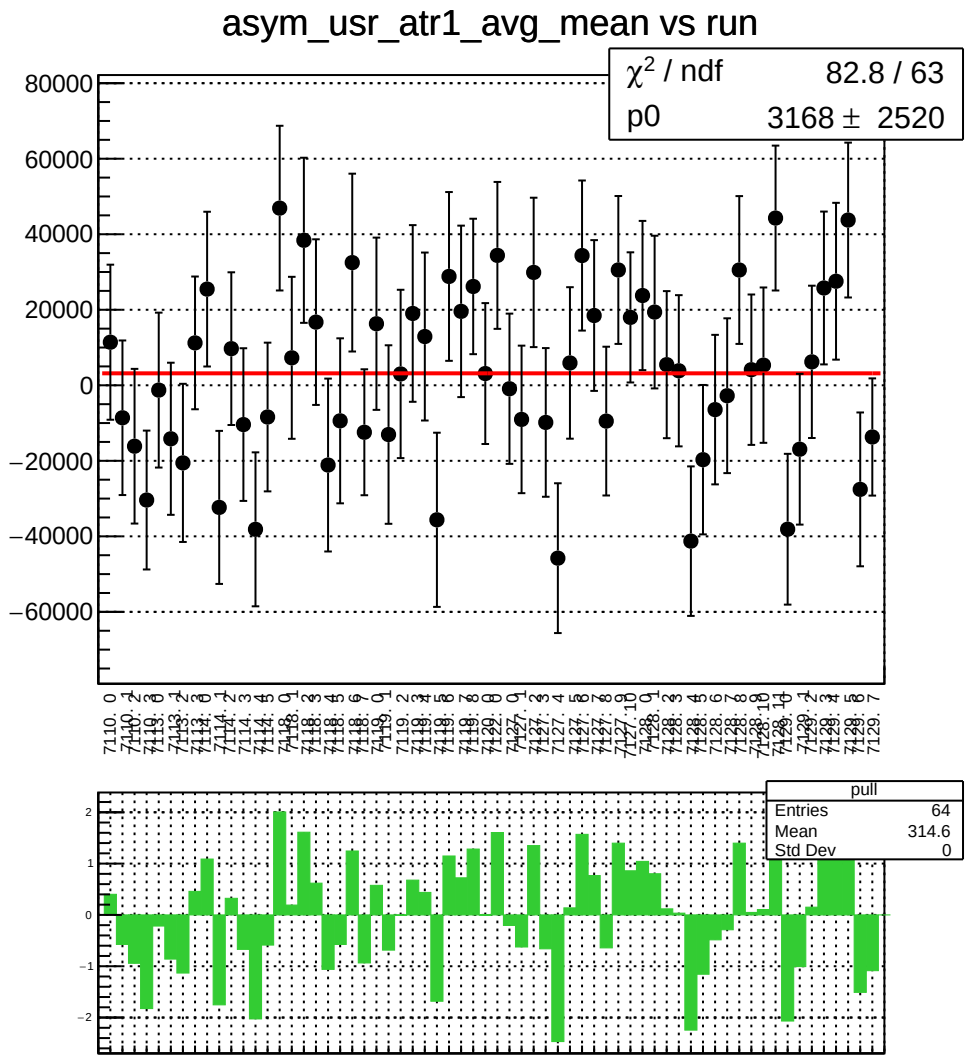

pull1D
Entries 64
Mean −0.00383
Std Dev 1.135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

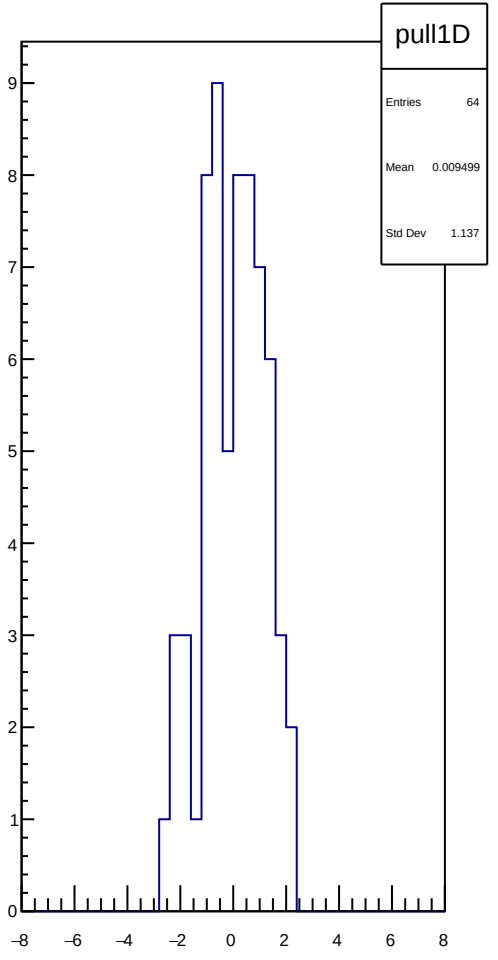

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 107.3 / 63
p0 1624 ± 1.466
1720
1700
1680
1660
1640
1620
1600
1580

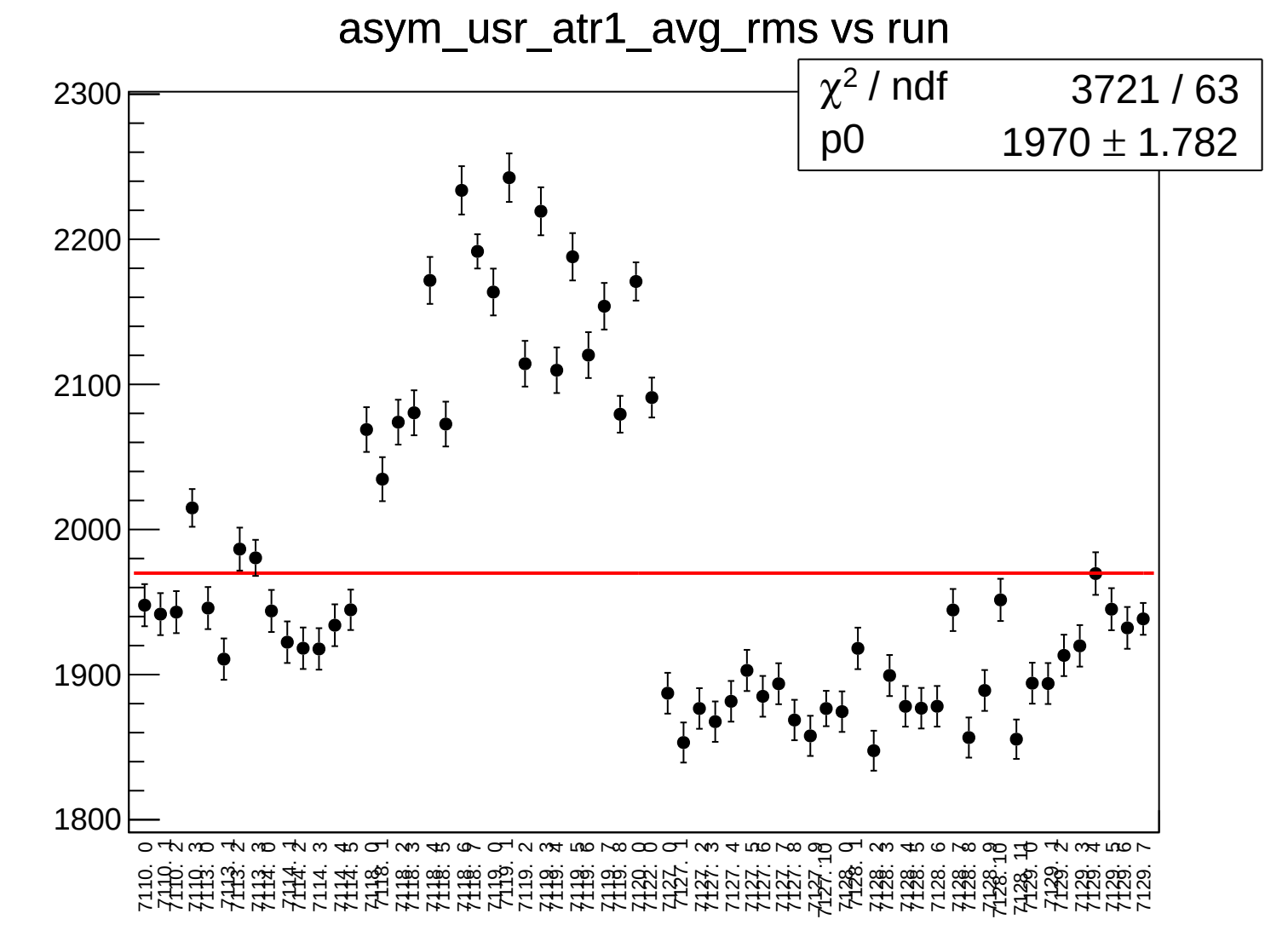

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.79 / 63
p0 −529.1± 1405
pull
Entries 64
Mean 110.9
Std Dev 0

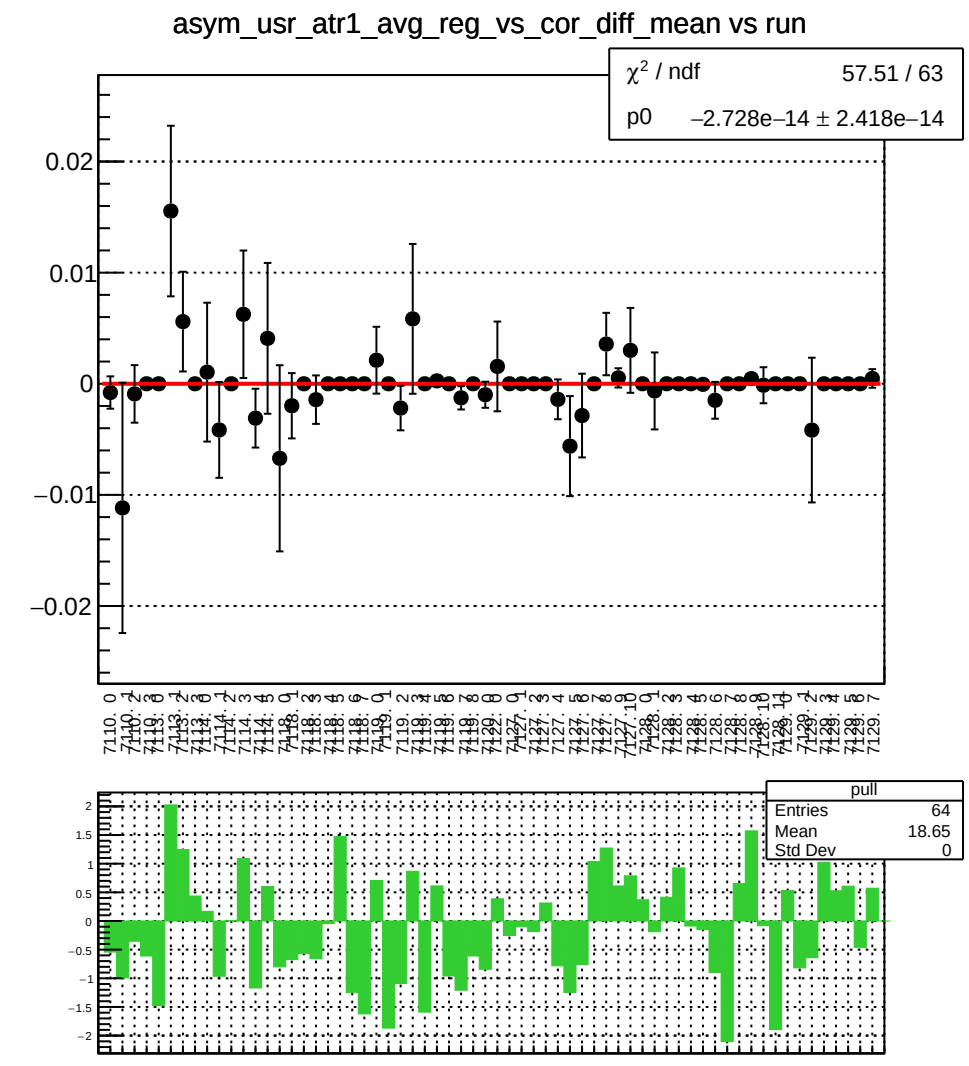

pull1D
Entries 64
Mean −0.02127
Std Dev 0.925

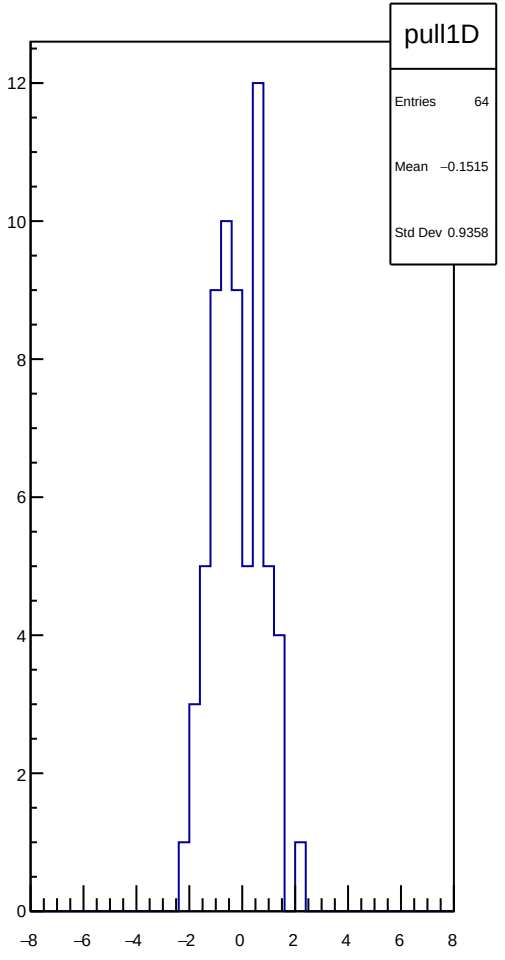

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.428e+04 / 63
p0 1089 ± 0.9934
1600
1500
1400
1300
1200
1100
1000
900

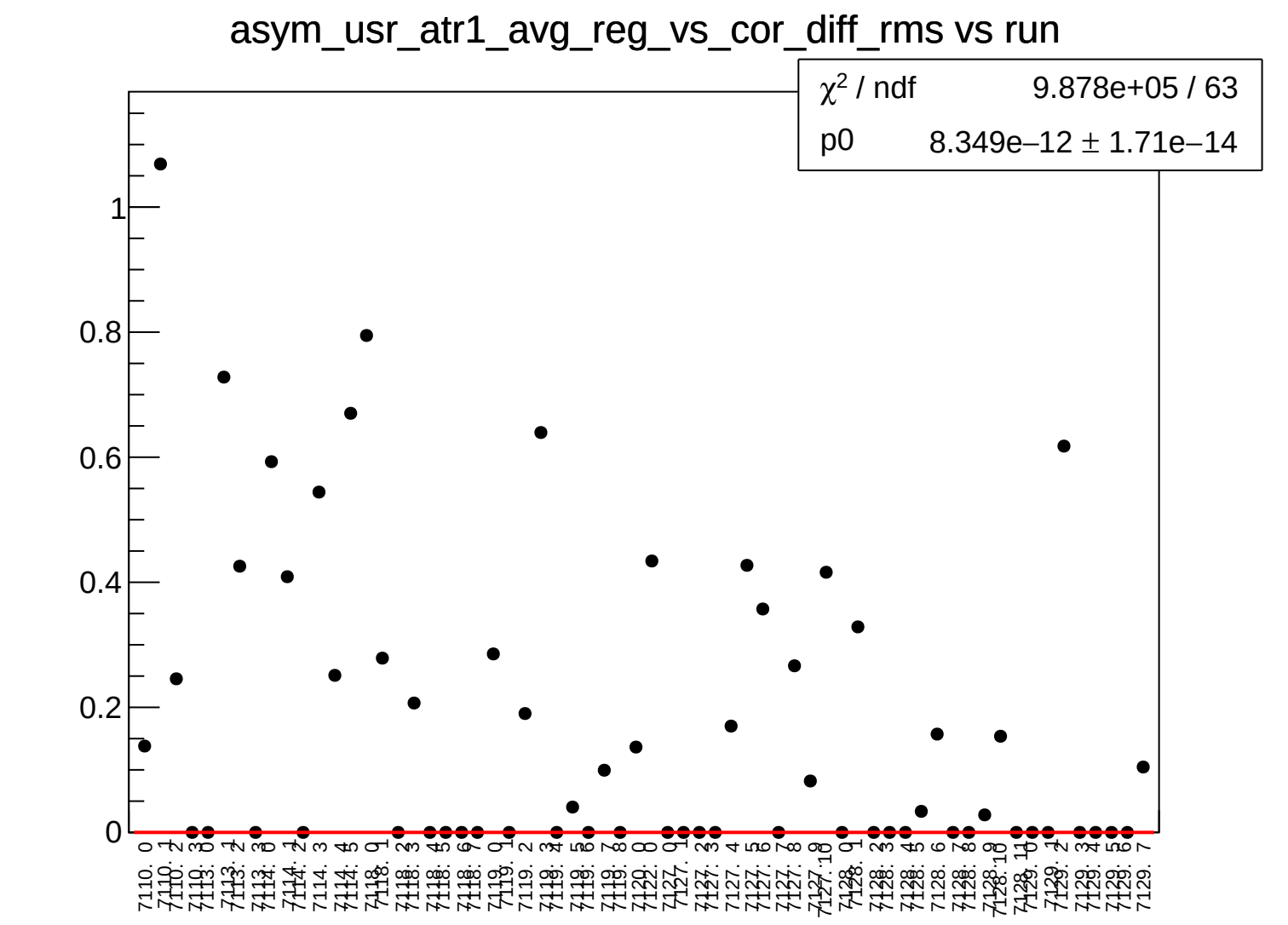

asym_usr_atr1_avg_mean vs run
χ² / ndf 82.8 / 63
p0 3168 ± 2520
pull
Entries 64
Mean 314.6
Std Dev 0

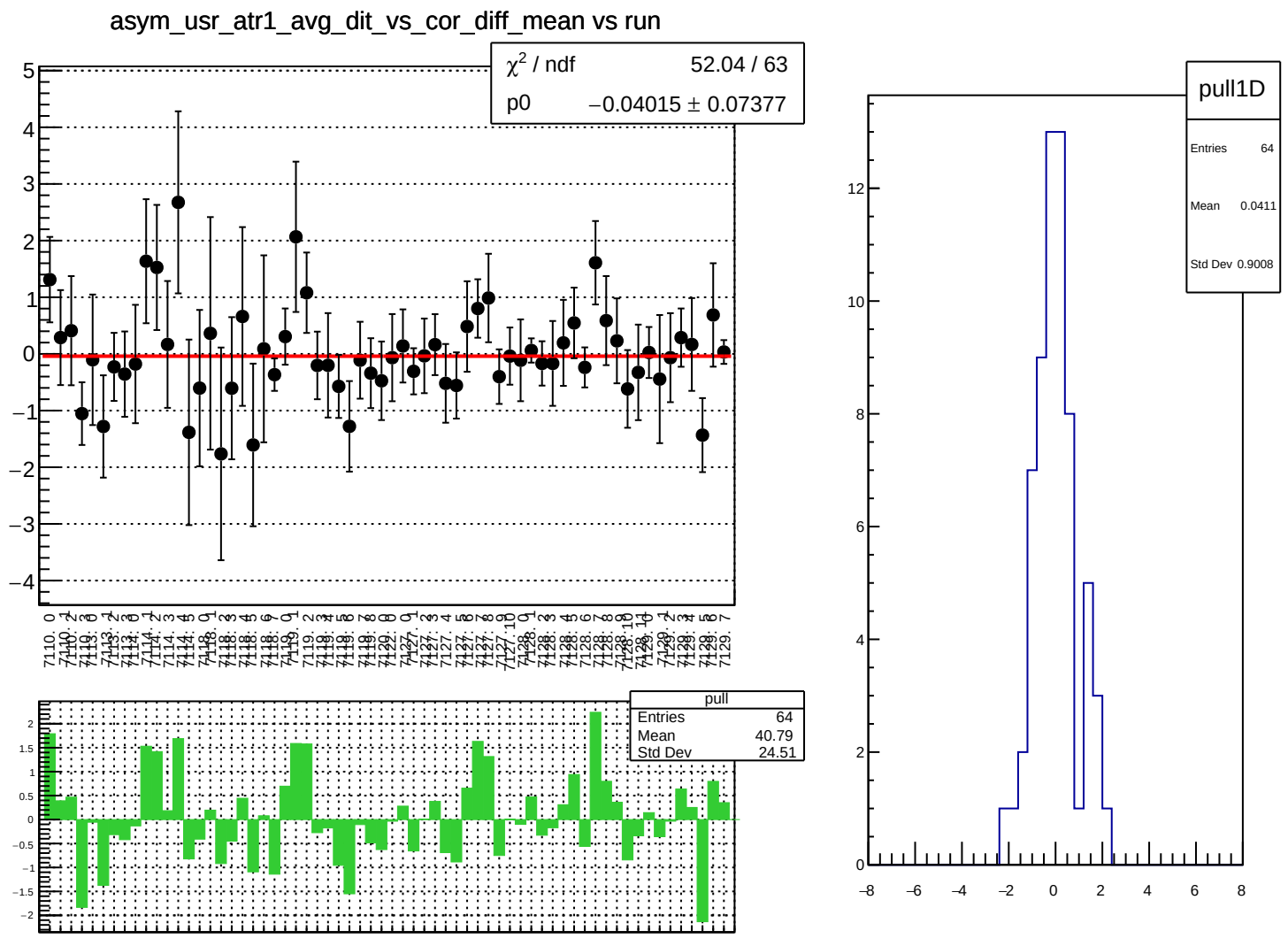

pull1D
Entries 64
Mean 0.009499
Std Dev 1.137

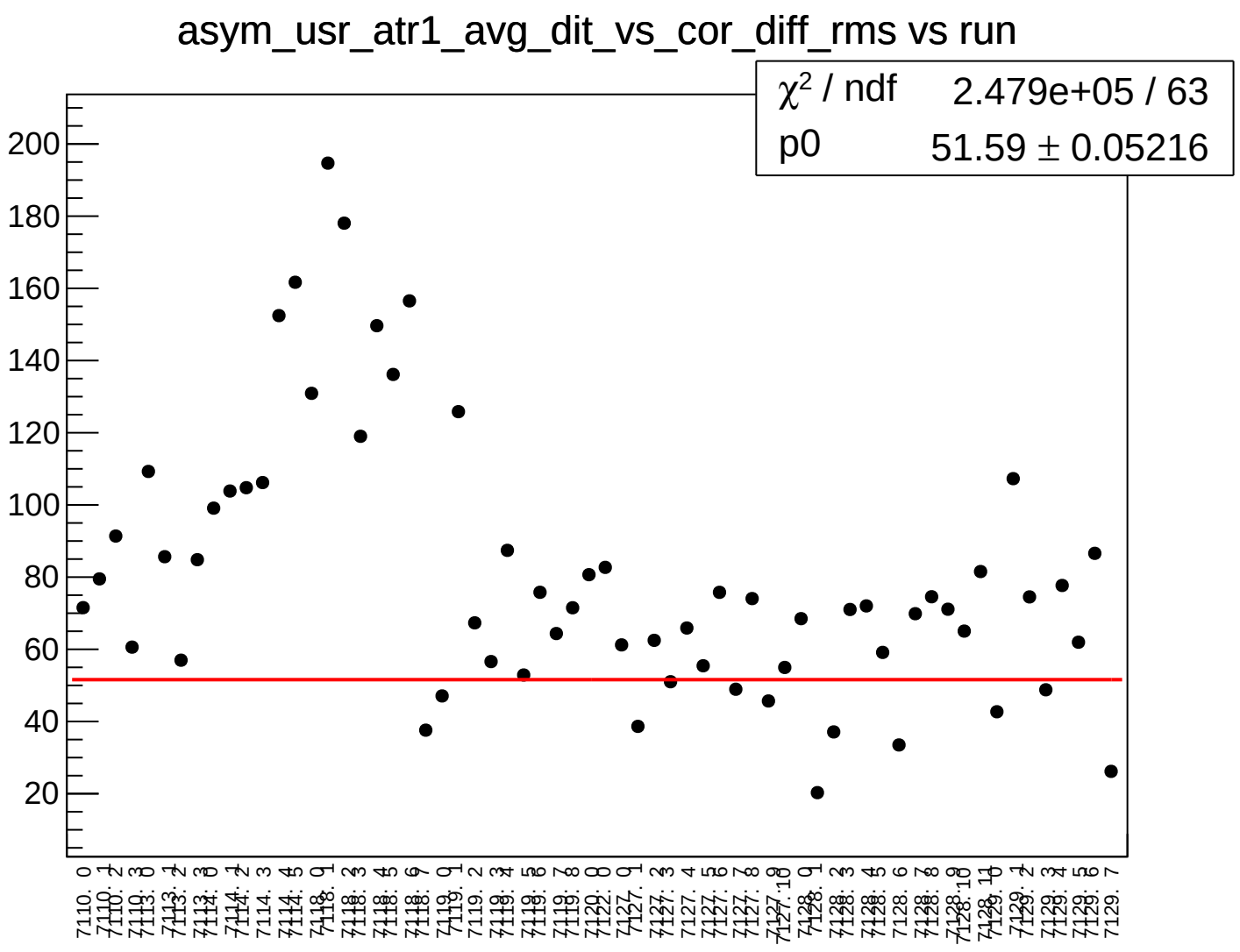

asym_usr_atr1_avg_rms vs run
χ² / ndf 3721 / 63
p0 1970 ± 1.782
2300
2200
2100
2000
1900
1800

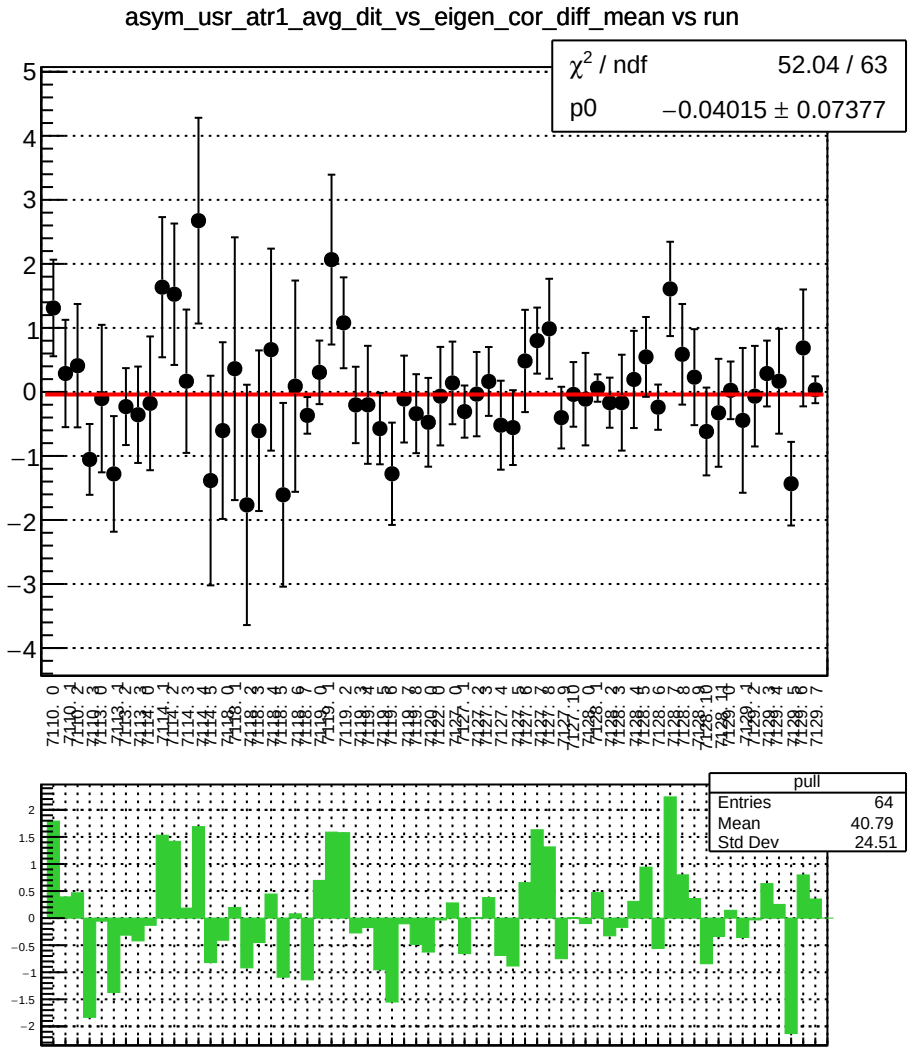

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.51 / 63
p0 −2.728e−14 ± 2.418e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean 18.65
Std Dev 0

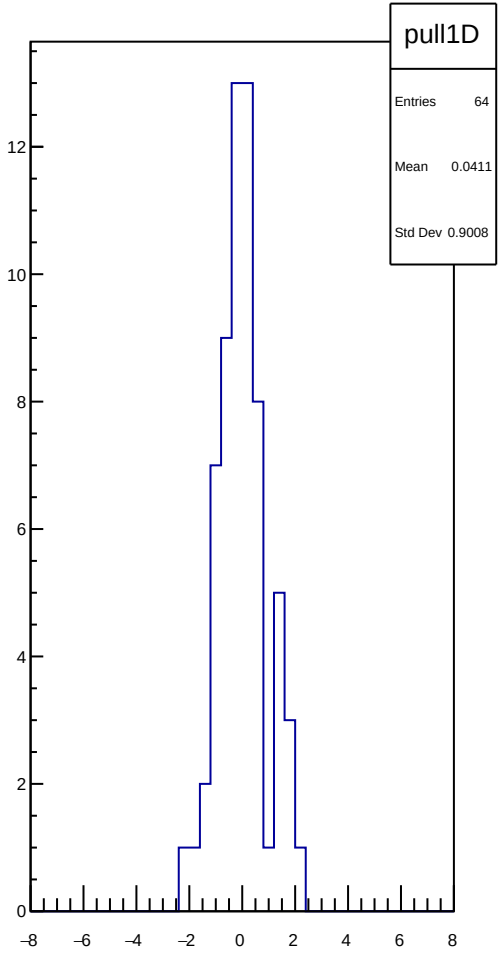

pull1D
Entries 64
Mean −0.1515
Std Dev 0.9358
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

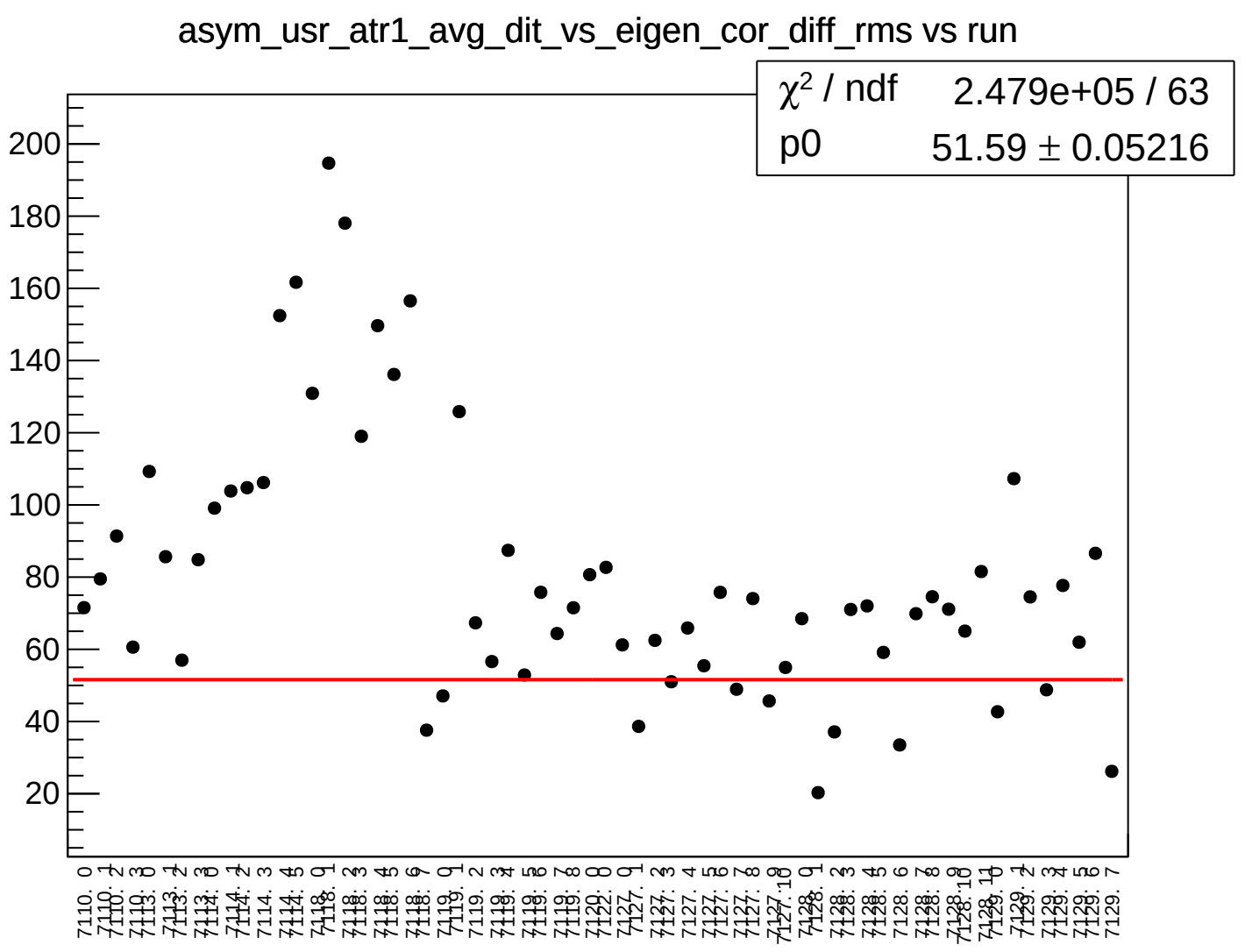

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.878e+05 / 63
p0 8.349e−12 ± 1.71e−14
0
0.2
0.4
0.6
0.8
1

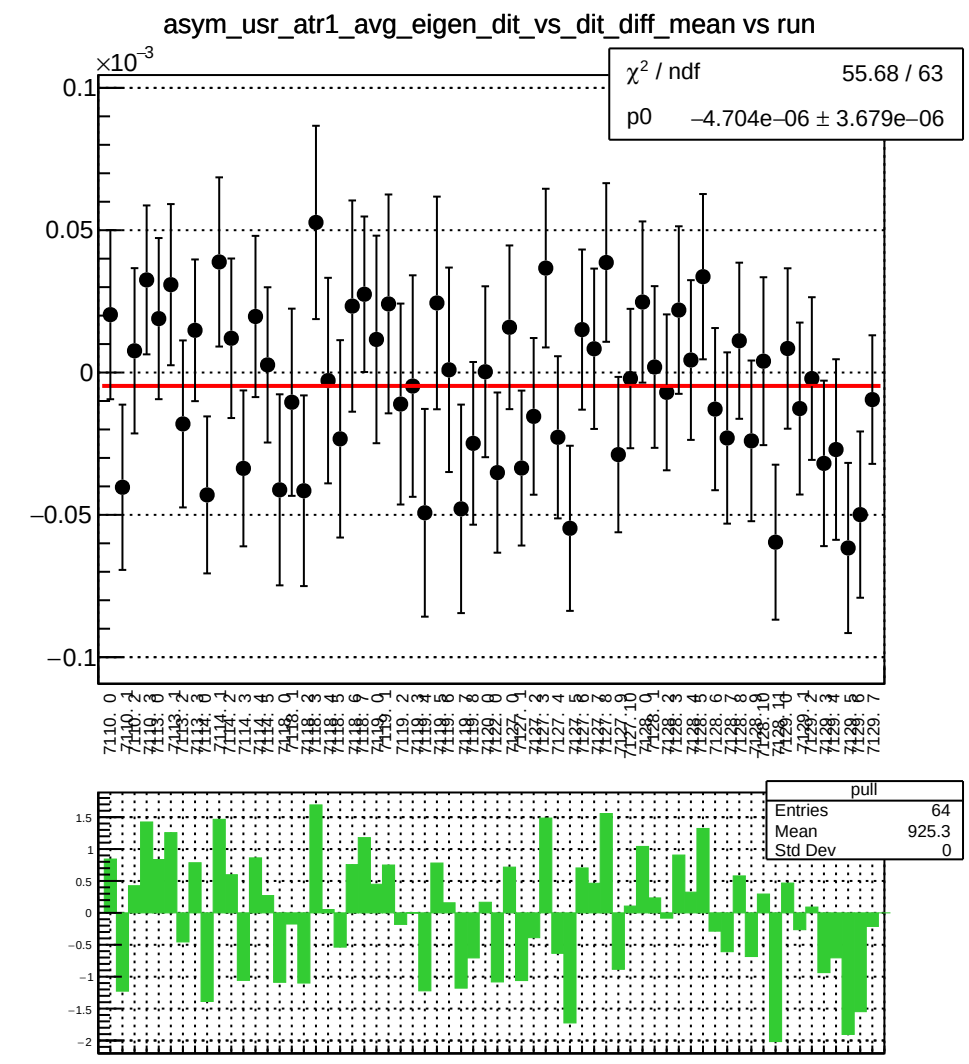

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.04 / 63
p0 −0.04015 ± 0.07377
pull
Entries 64
Mean 40.79
Std Dev 24.51
pull1D
Entries 64
Mean 0.0411
Std Dev 0.9008

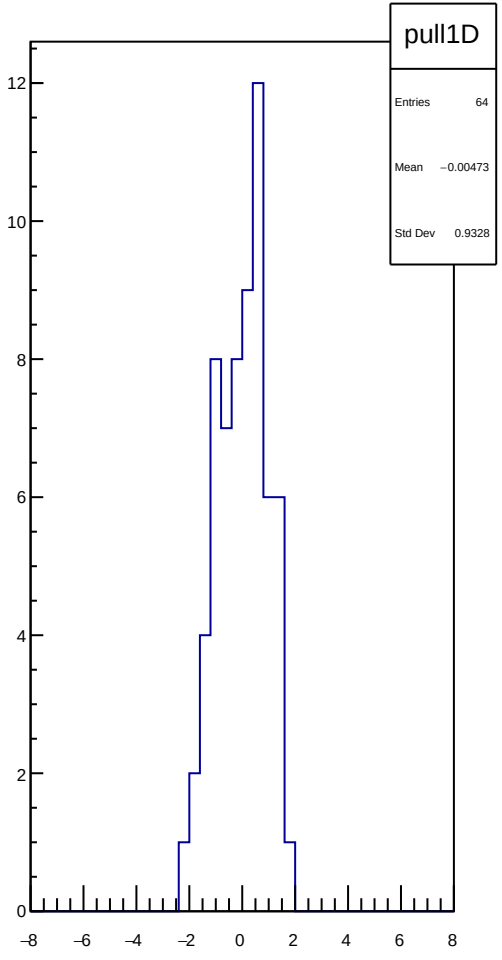

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.479e+05 / 63
p0 51.59 ± 0.05216
200
180
160
140
120
100
80
60
40
20

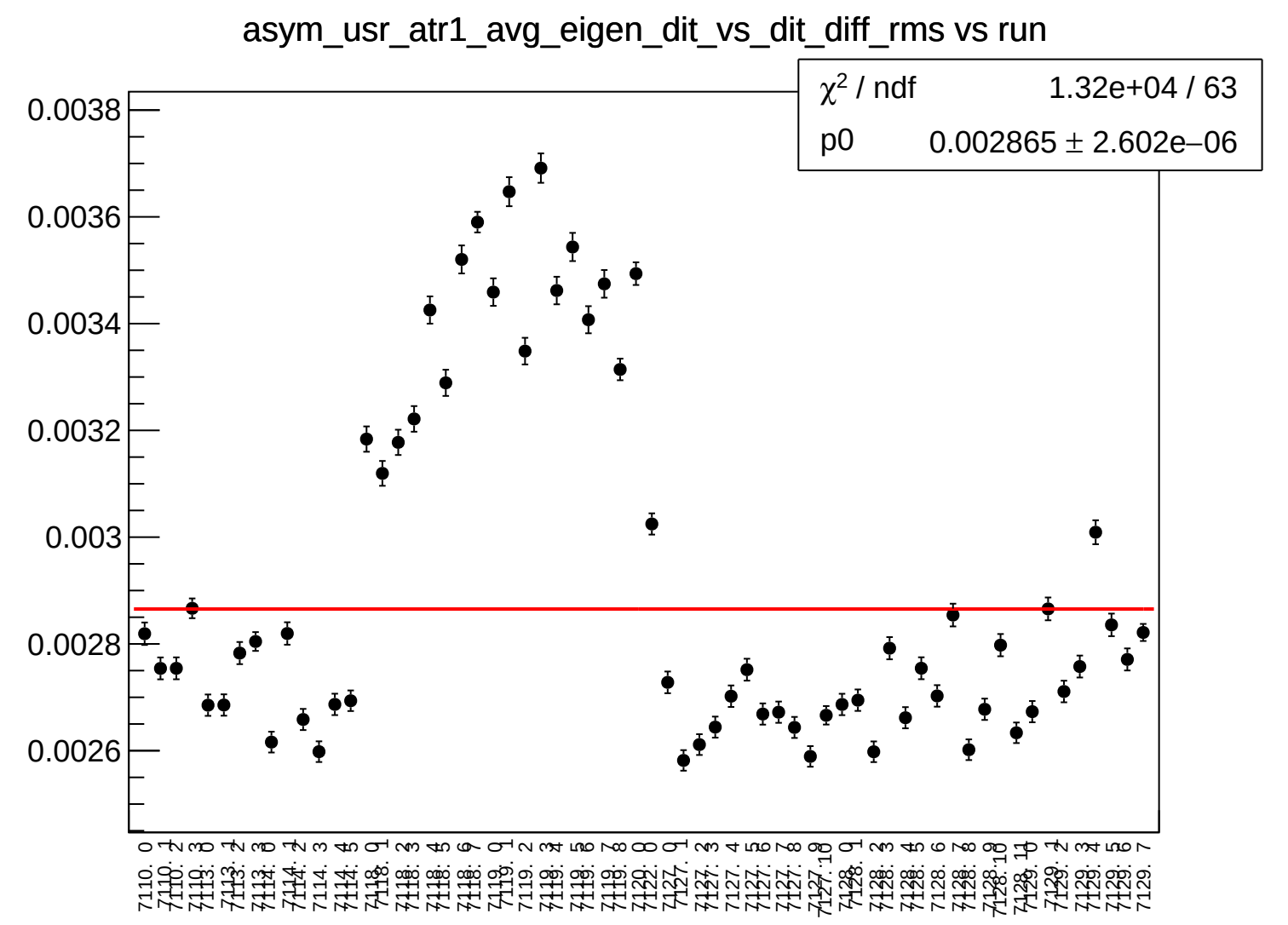

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.04 / 63
p0 −0.04015 ± 0.07377
pull
Entries 64
Mean 40.79
Std Dev 24.51

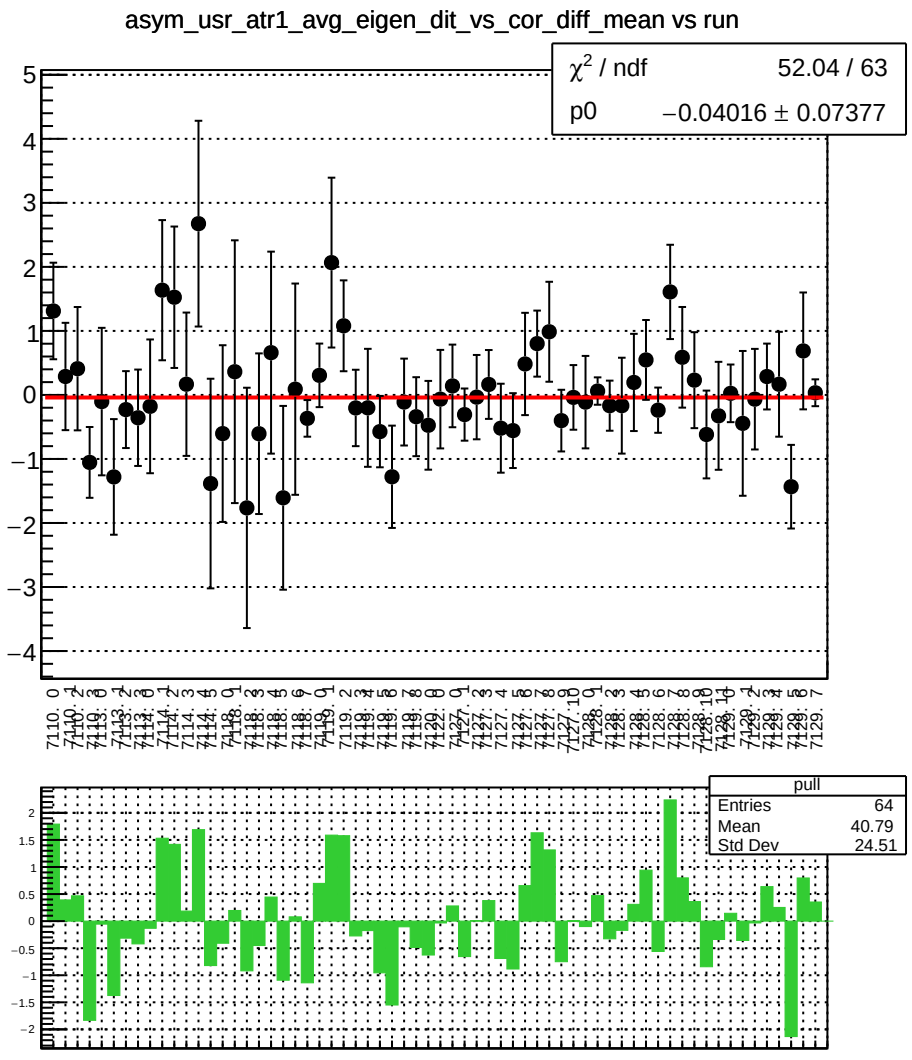

pull1D
Entries 64
Mean 0.0411
Std Dev 0.9008

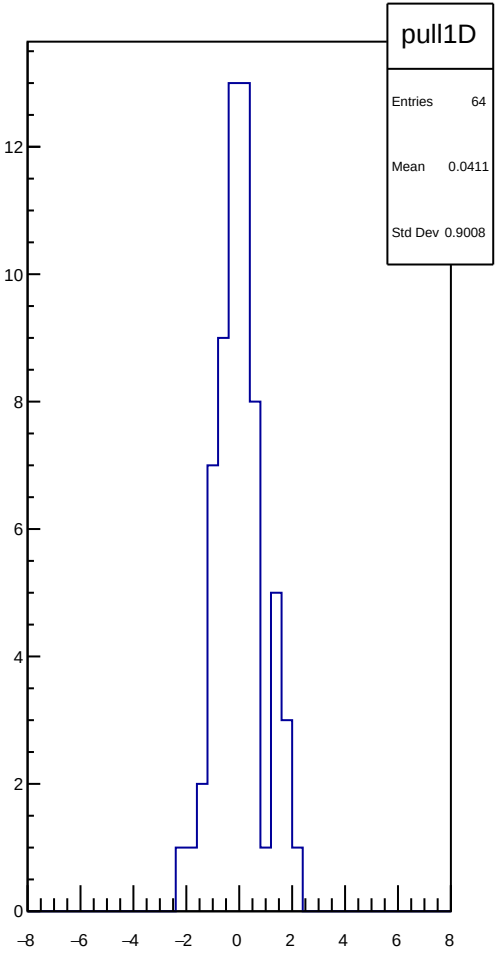

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.479e+05 / 63
p0 51.59 ± 0.05216
200
180
160
140
120
100
80
60
40
20

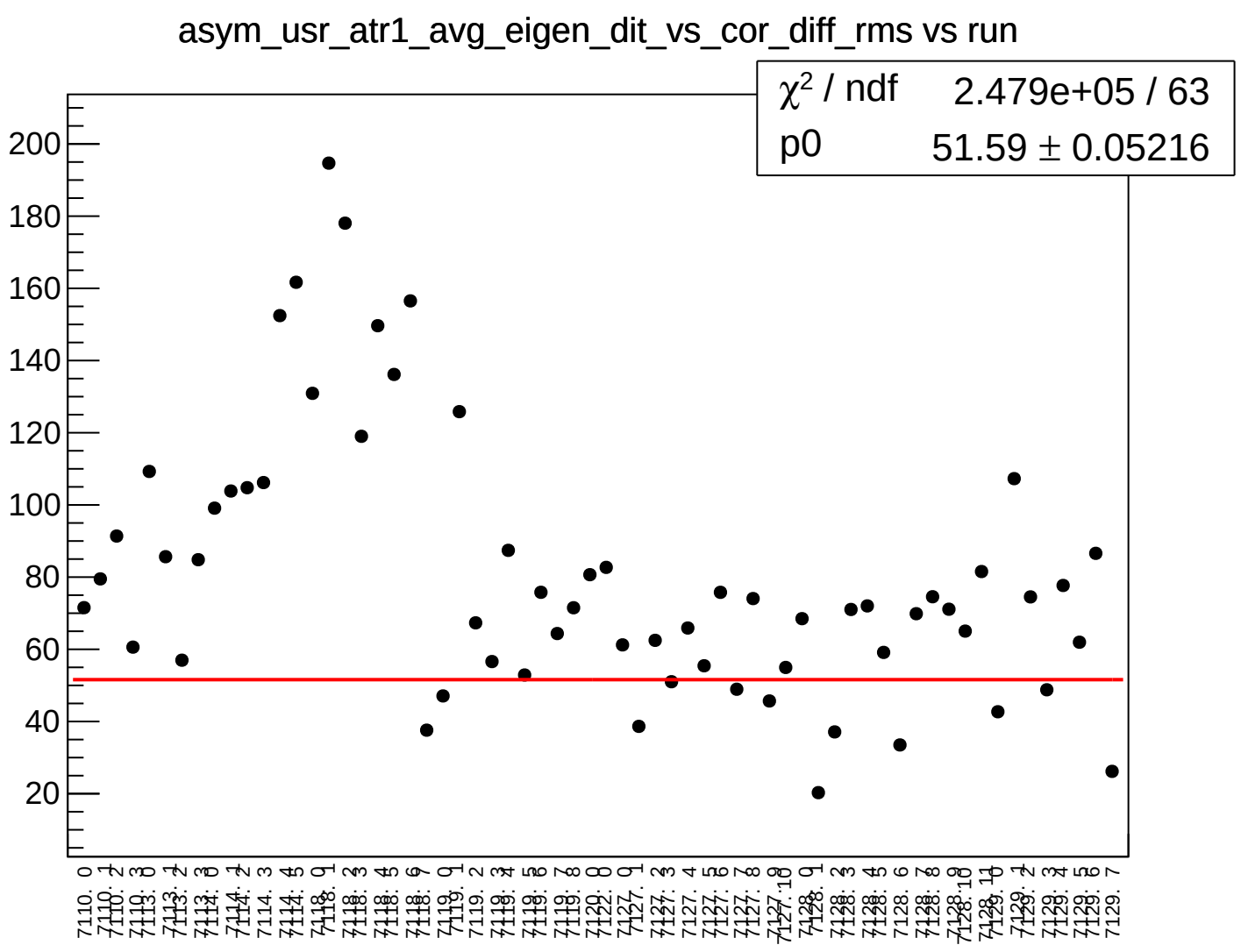

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.68 / 63
p0 −4.704e−06 ± 3.679e−06
pull
Entries 64
Mean 925.3
Std Dev 0

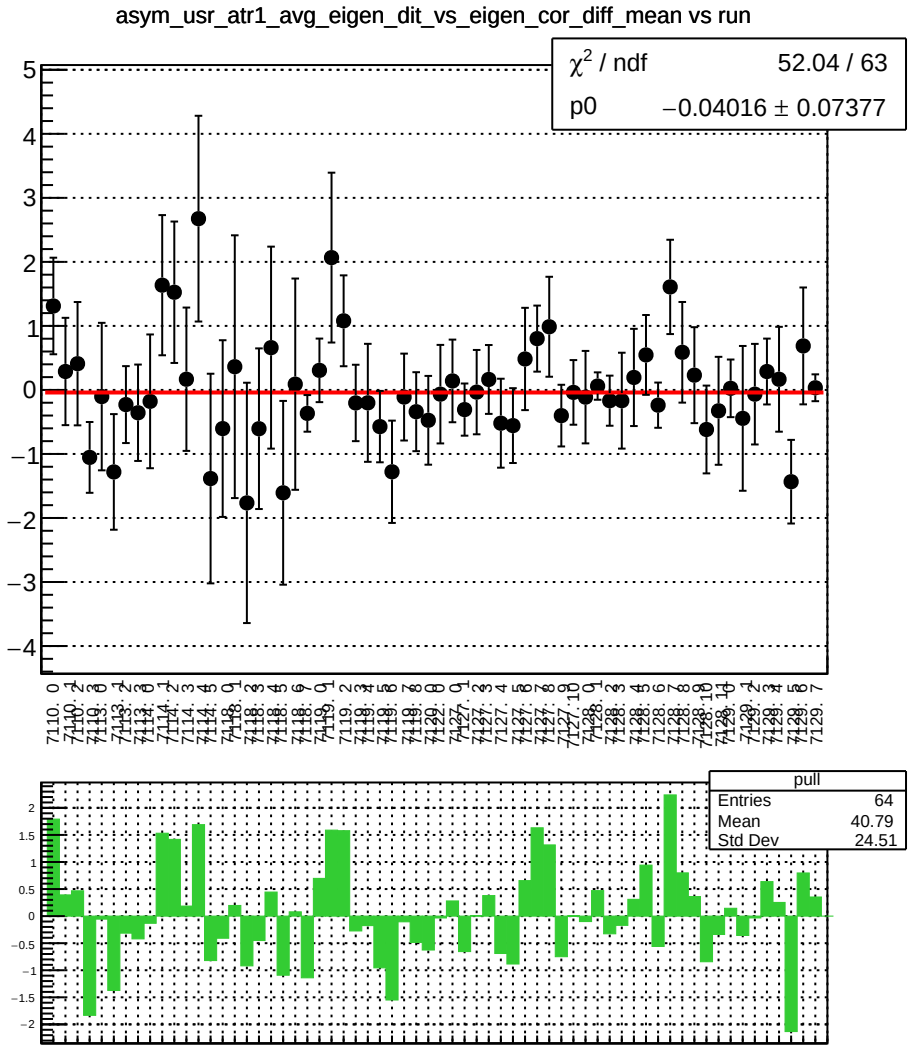

pull1D
Entries 64
Mean −0.00473
Std Dev 0.9328

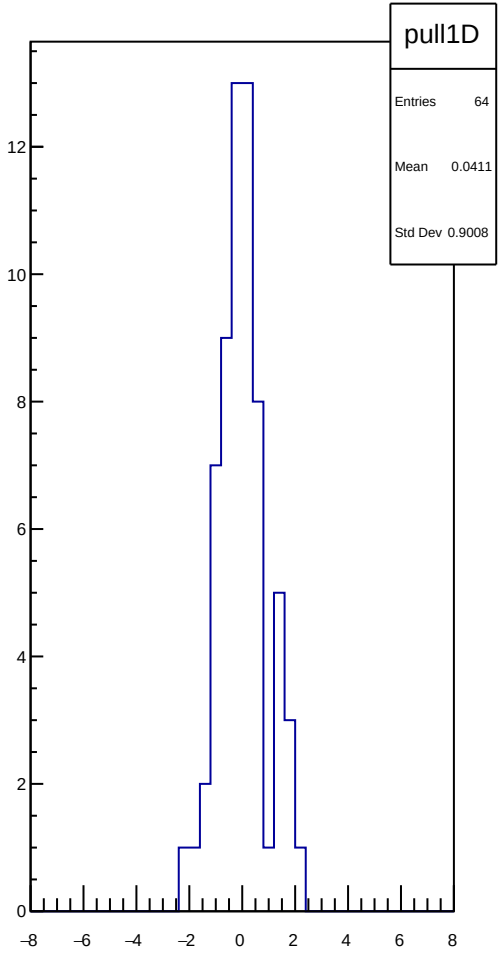

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.32e+04 / 63
p0 0.002865 ± 2.602e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026

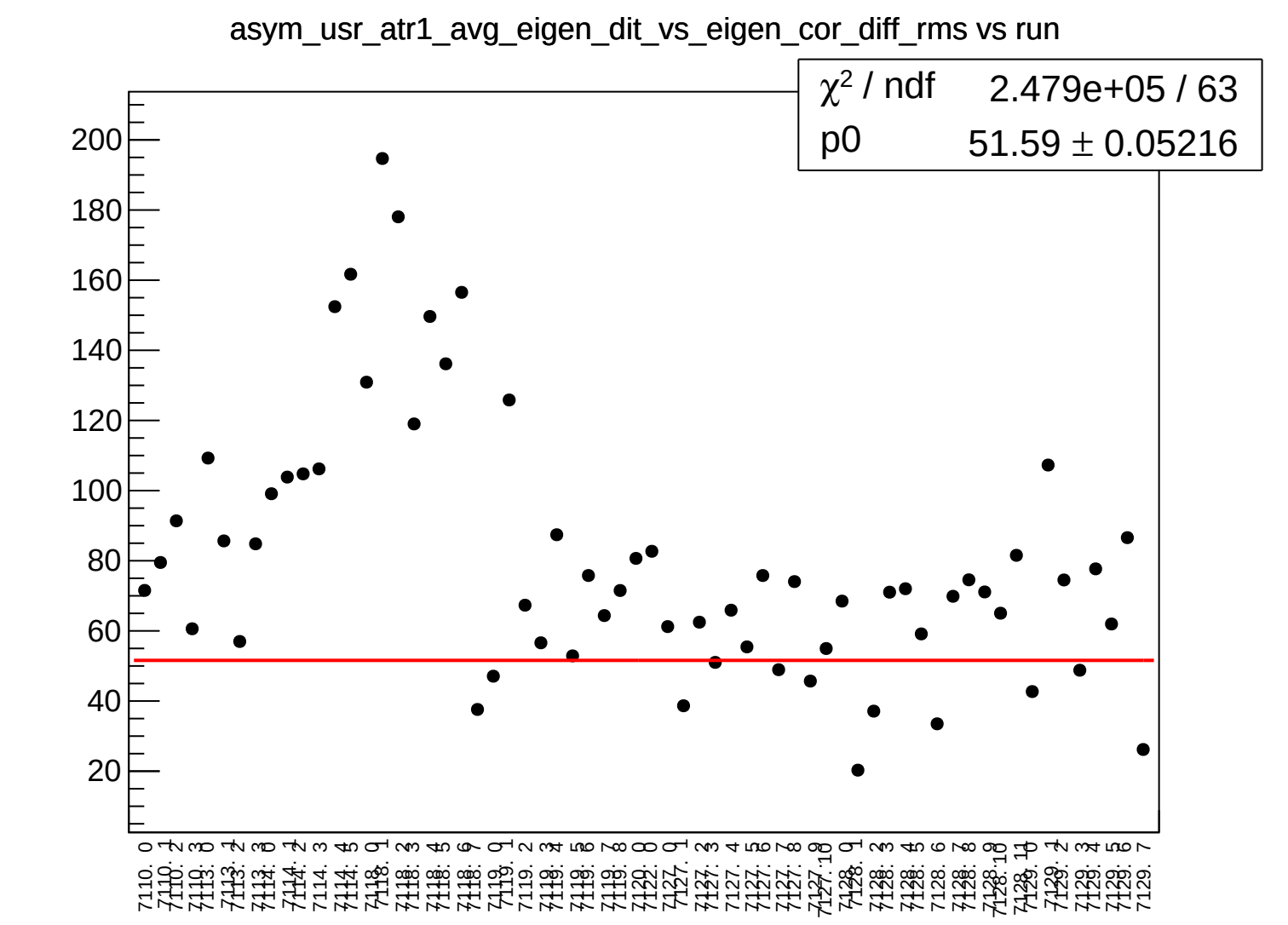

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.04 / 63
p0 −0.04016 ± 0.07377
pull
Entries 64
Mean 40.79
Std Dev 24.51

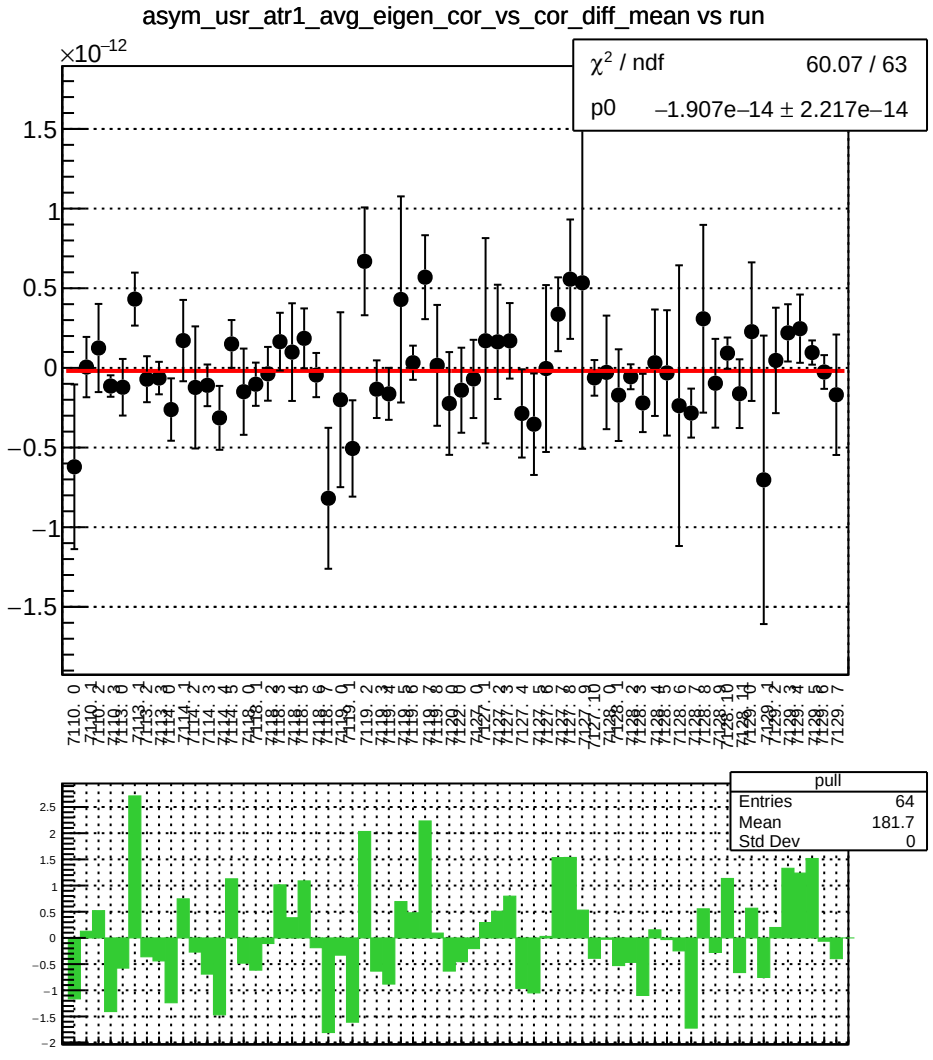

pull1D
Entries 64
Mean 0.0411
Std Dev 0.9008

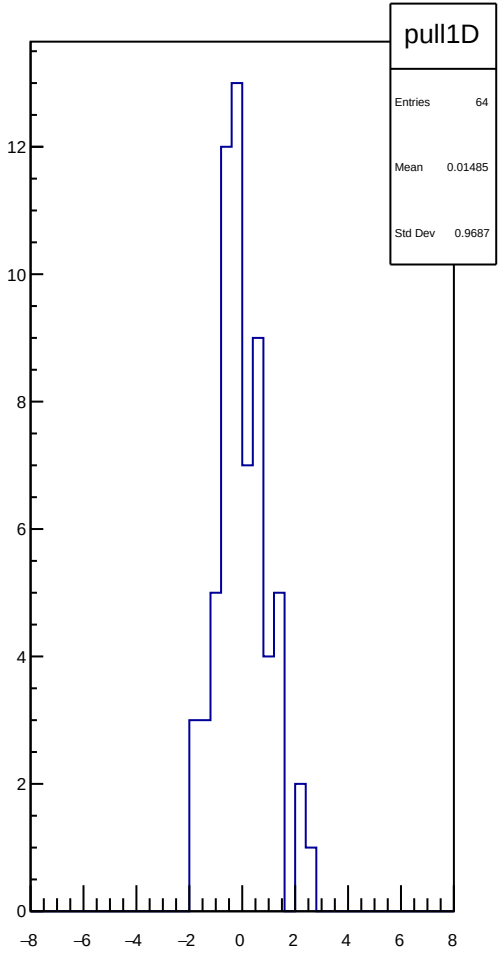

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.479e+05 / 63
p0 51.59 ± 0.05216
200
180
160
140
120
100
80
60
40
20

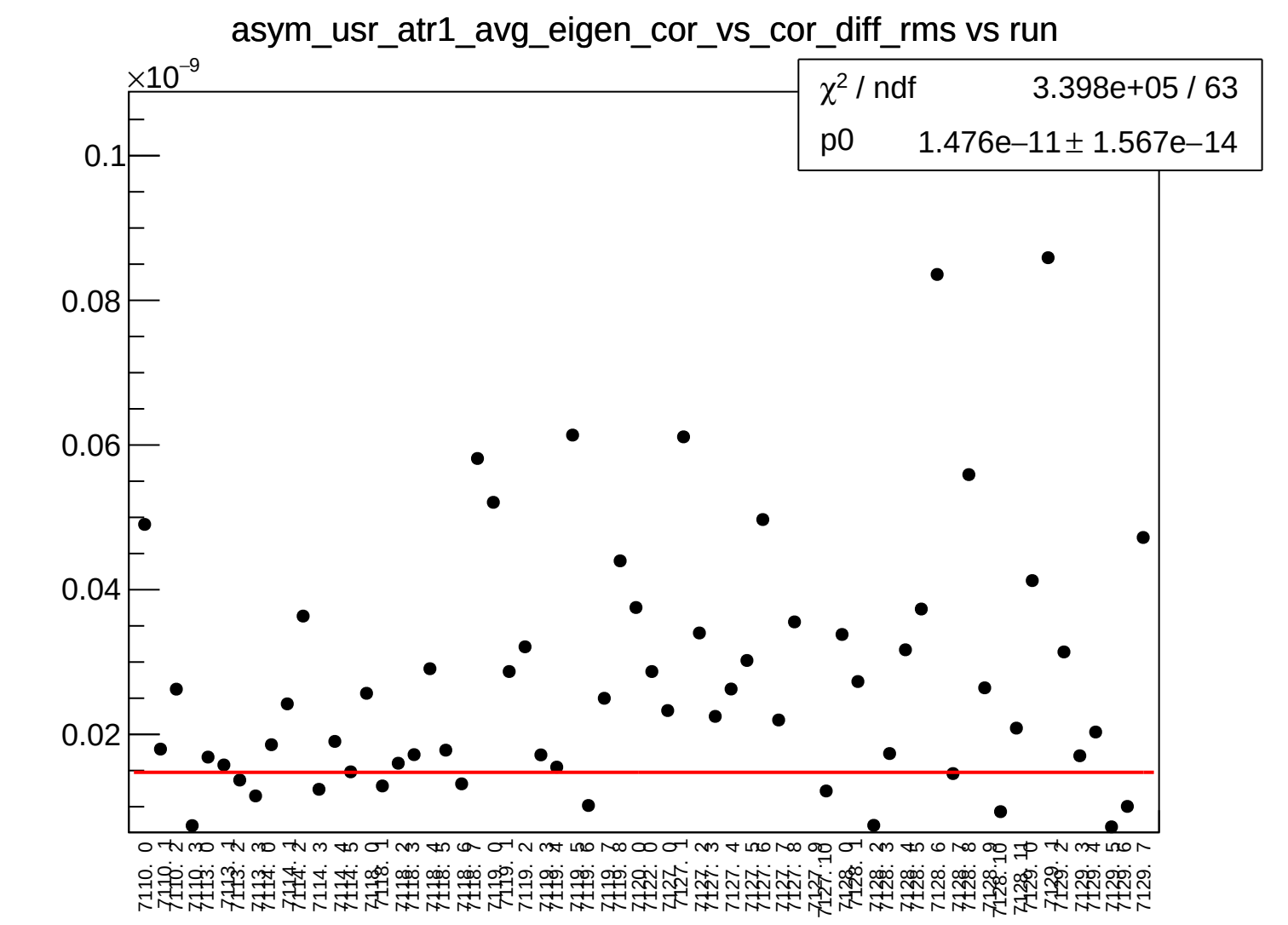

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.04 / 63
p0 −0.04016 ± 0.07377
pull
Entries 64
Mean 40.79
Std Dev 24.51

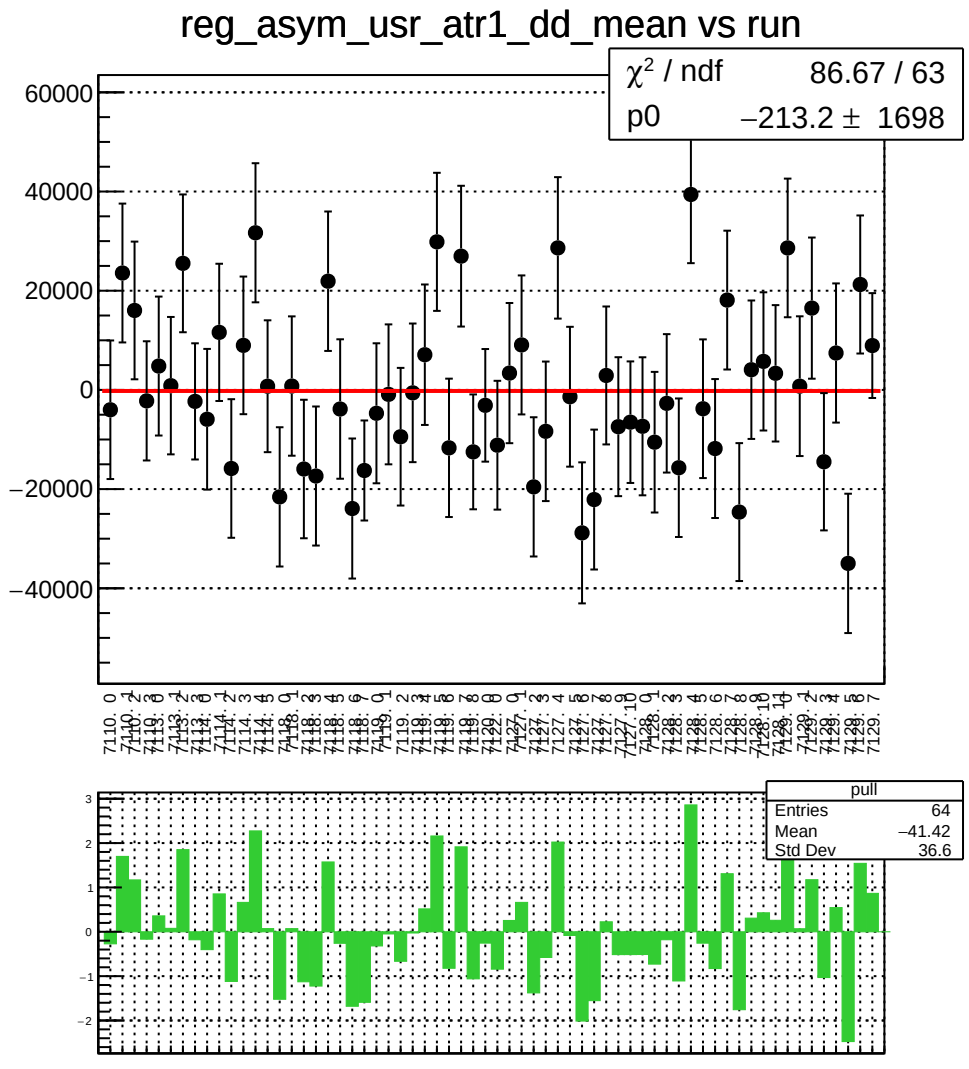

pull1D
Entries 64
Mean 0.0411
Std Dev 0.9008

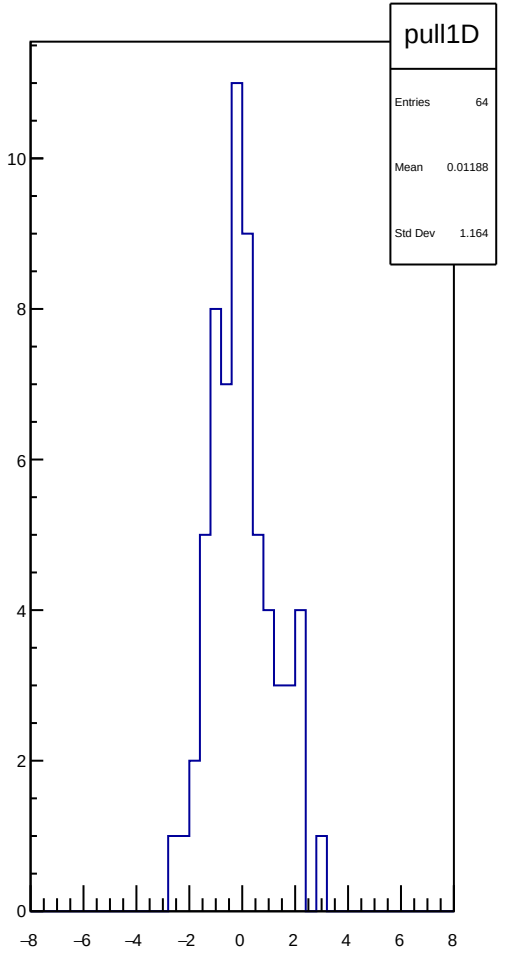

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.479e+05 / 63
p0 51.59 ± 0.05216
200
180
160
140
120
100
80
60
40
20

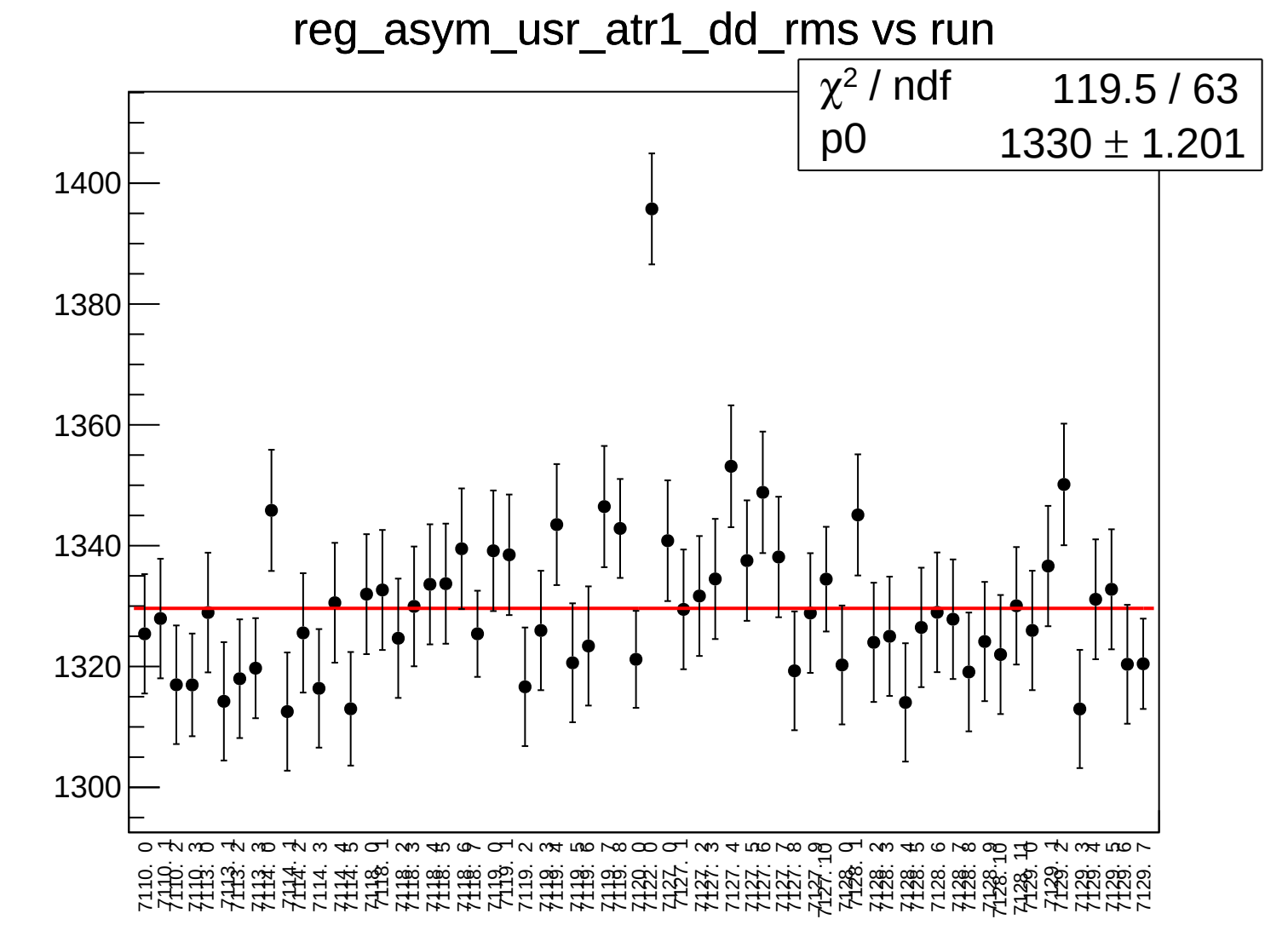

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.07 / 63
p0 −1.907e−14 ± 2.217e−14
pull
Entries 64
Mean 181.7
Std Dev 0

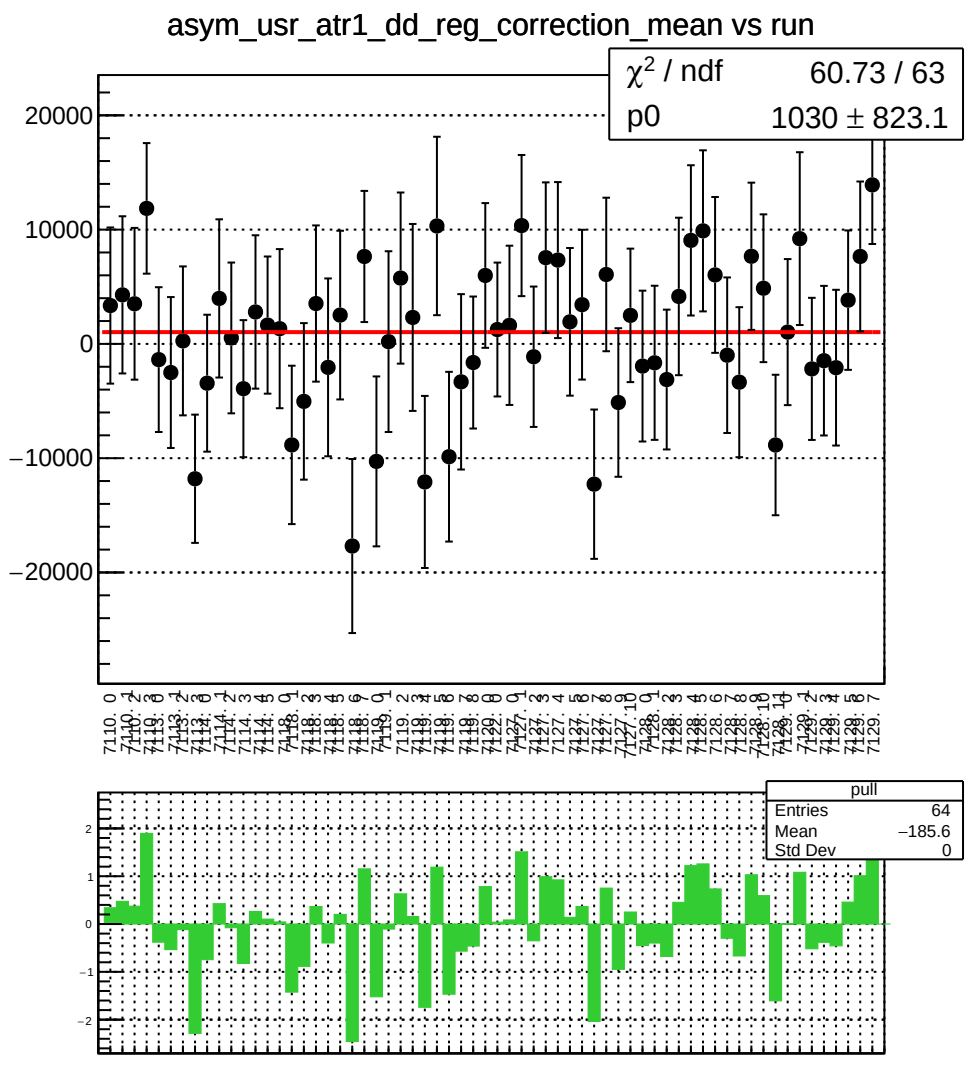

pull1D
Entries 64
Mean 0.01485
Std Dev 0.9687

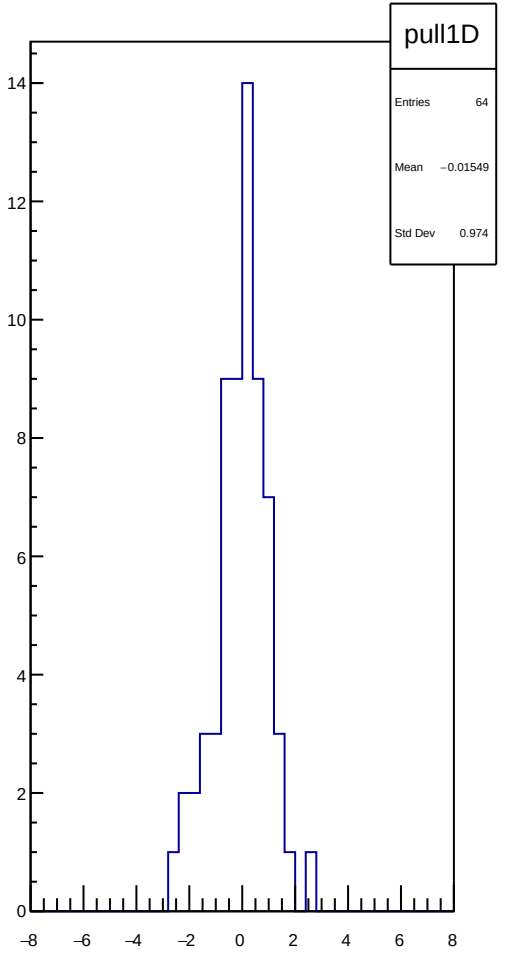

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.398e+05 / 63
p0 1.476e−11 ± 1.567e−14
0.1
0.08
0.06
0.04
0.02

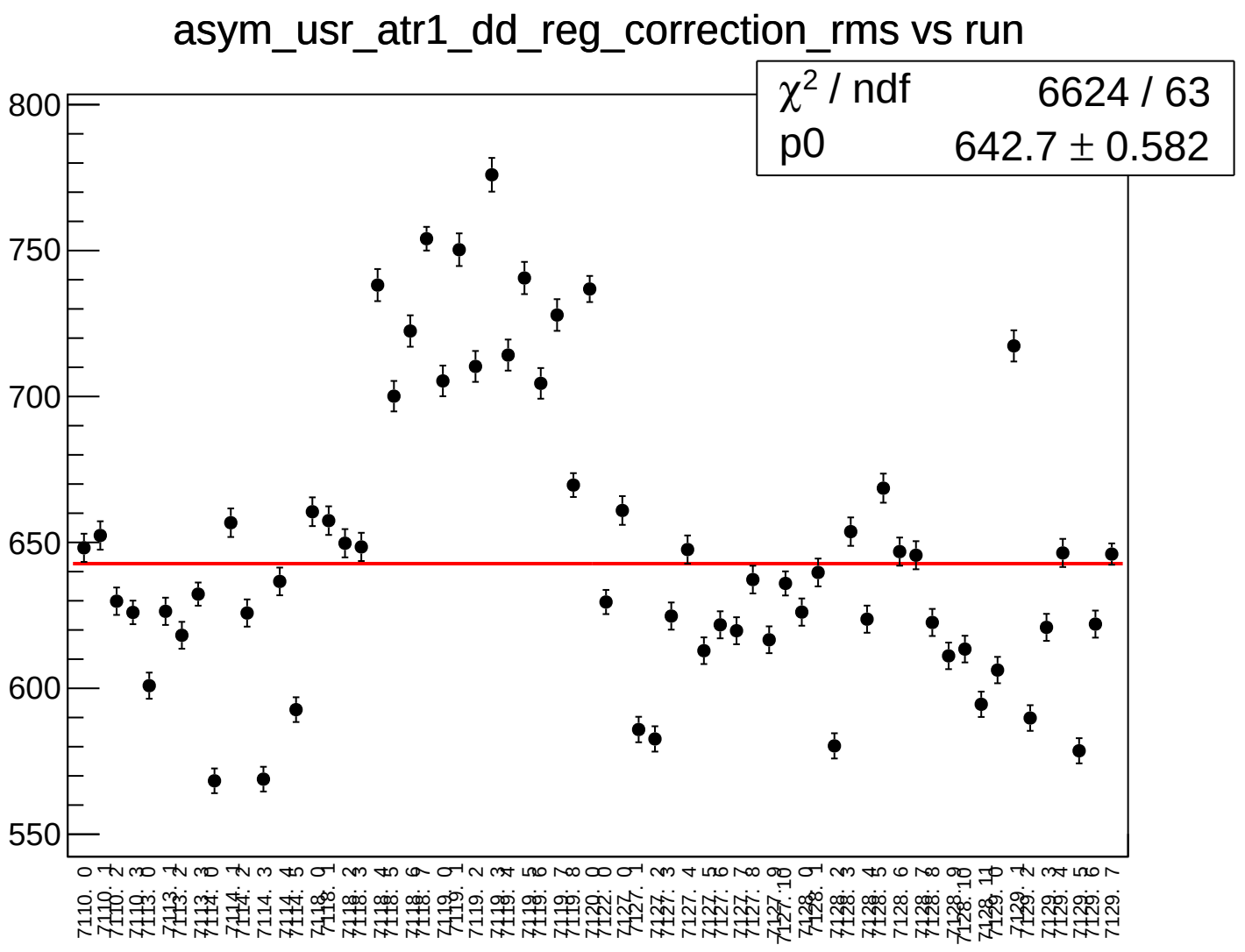

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.67 / 63
p0 −213.2 ± 1698
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −41.42
Std Dev 36.6
3
2
1
0
−1
−2

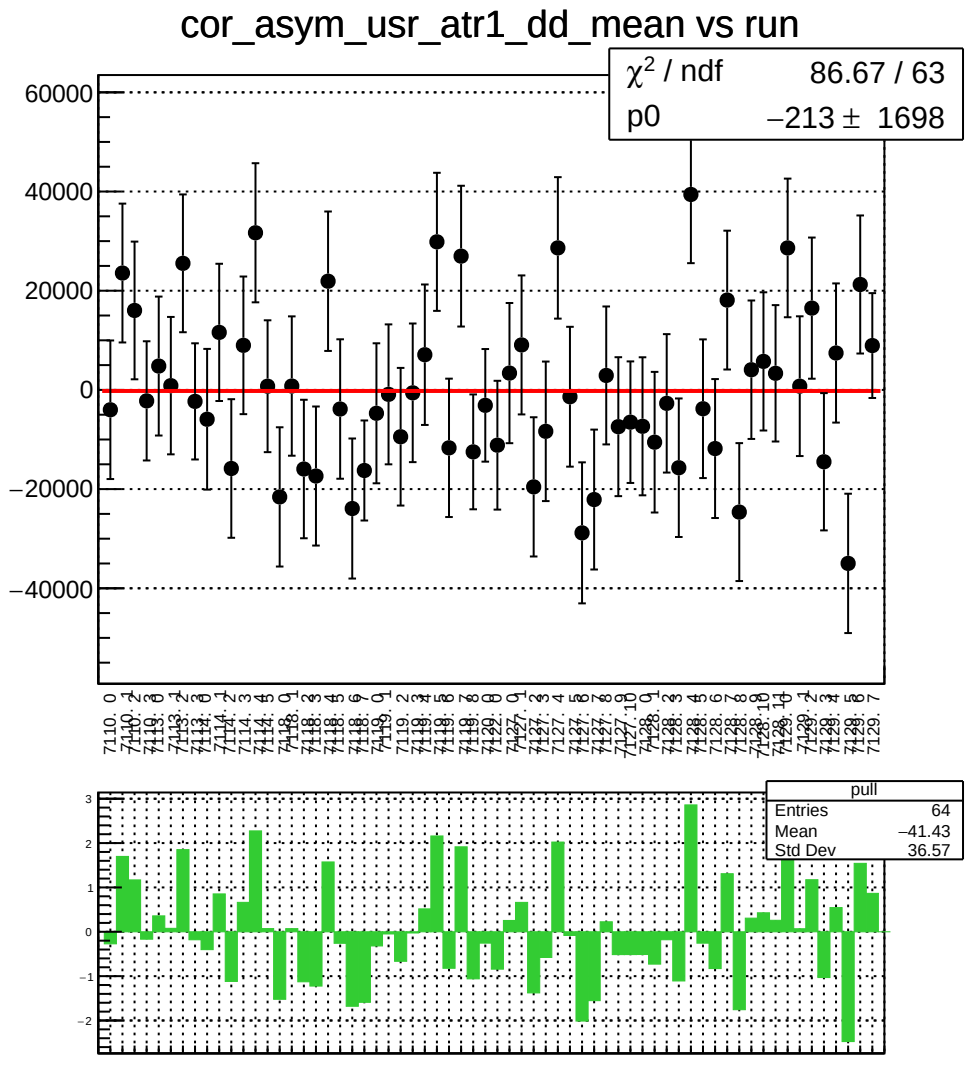

pull1D
Entries 64
Mean 0.01188
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

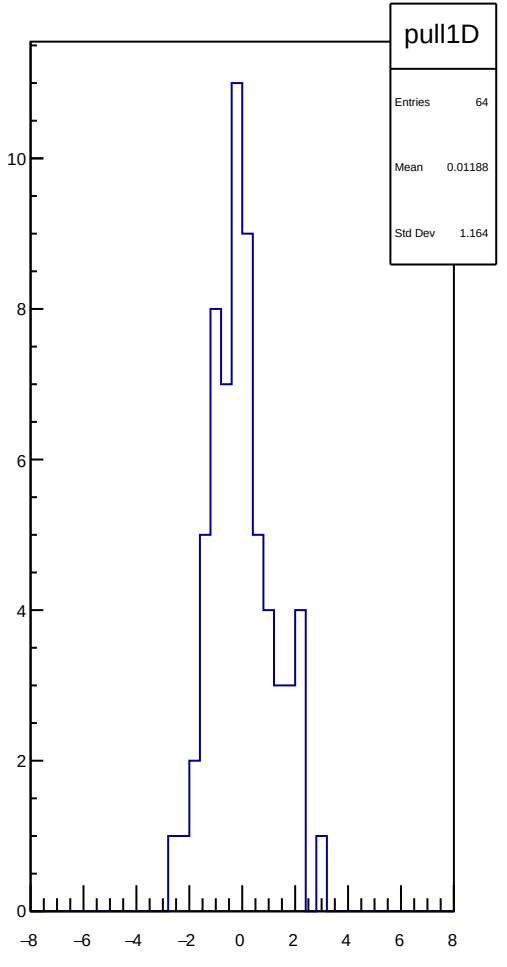

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 119.5 / 63
p0 1330 ± 1.201
1400
1380
1360
1340
1320
1300

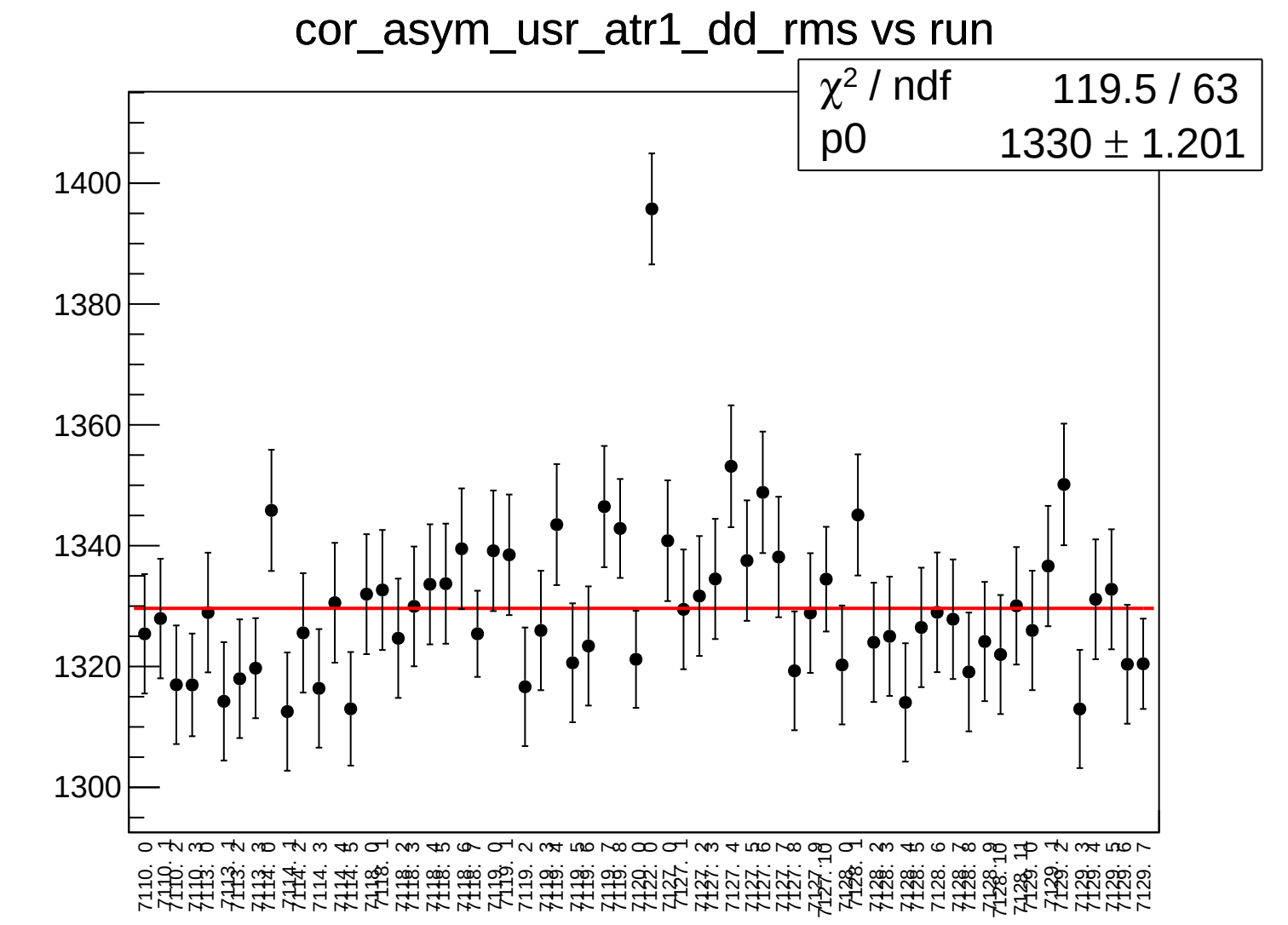

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 60.73 / 63
p0 1030 ± 823.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −185.6
Std Dev 0
2
1
0
−1
−2

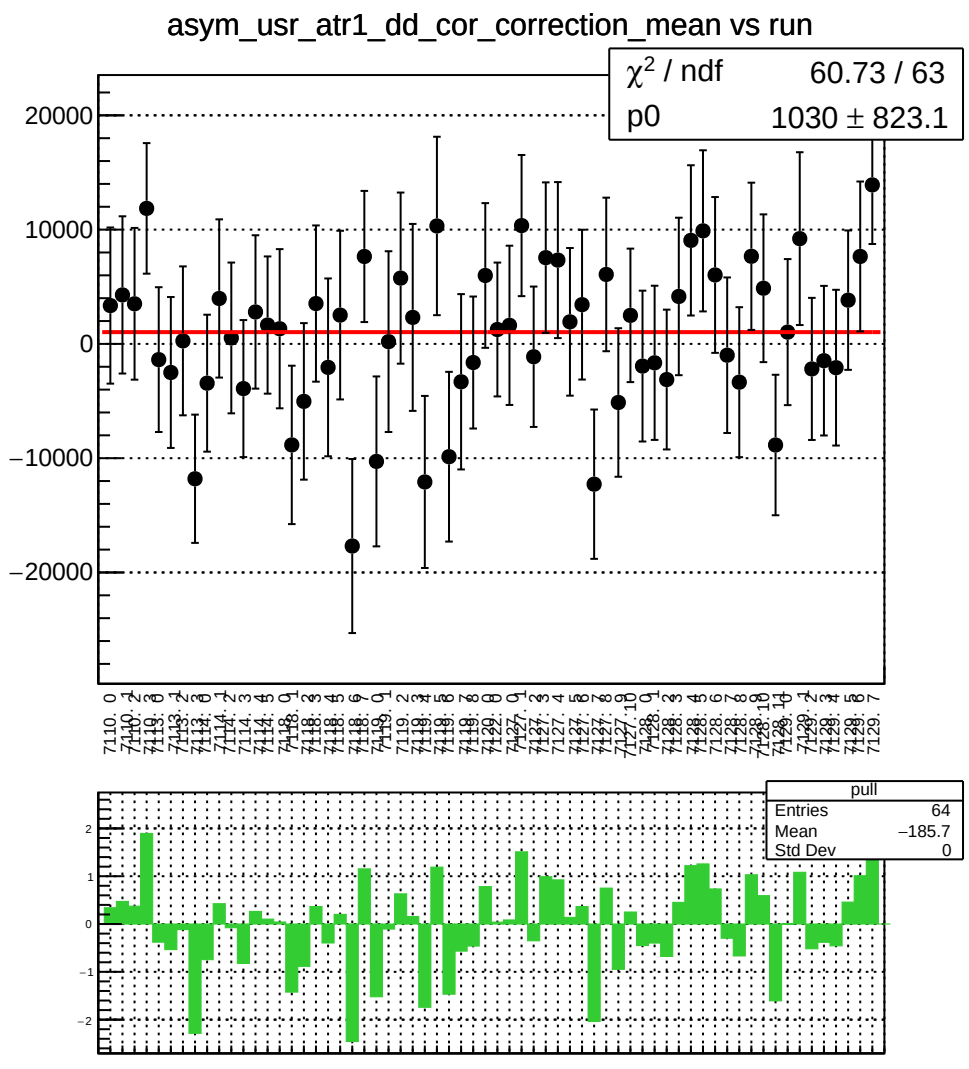

pull1D
Entries 64
Mean −0.01549
Std Dev 0.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

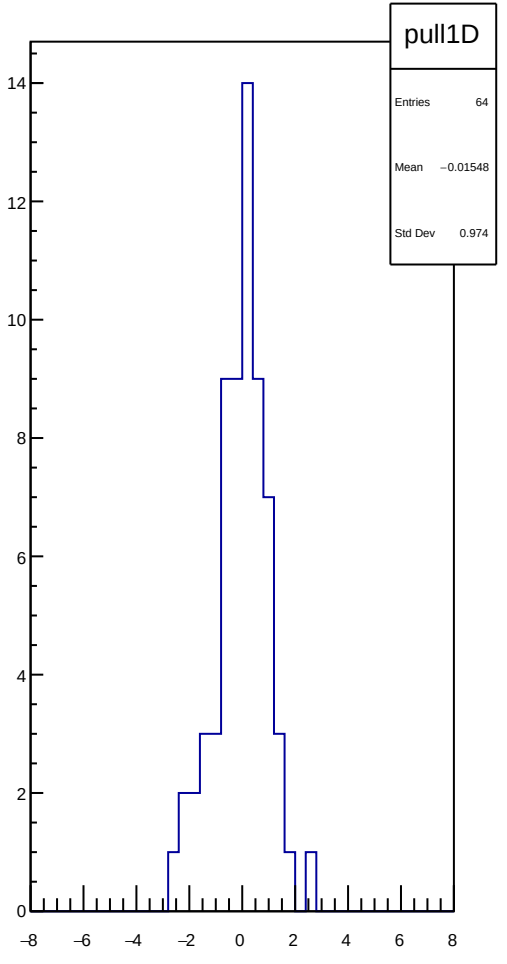

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 6624 / 63
p0 642.7 ± 0.582
800
750
700
650
600
550

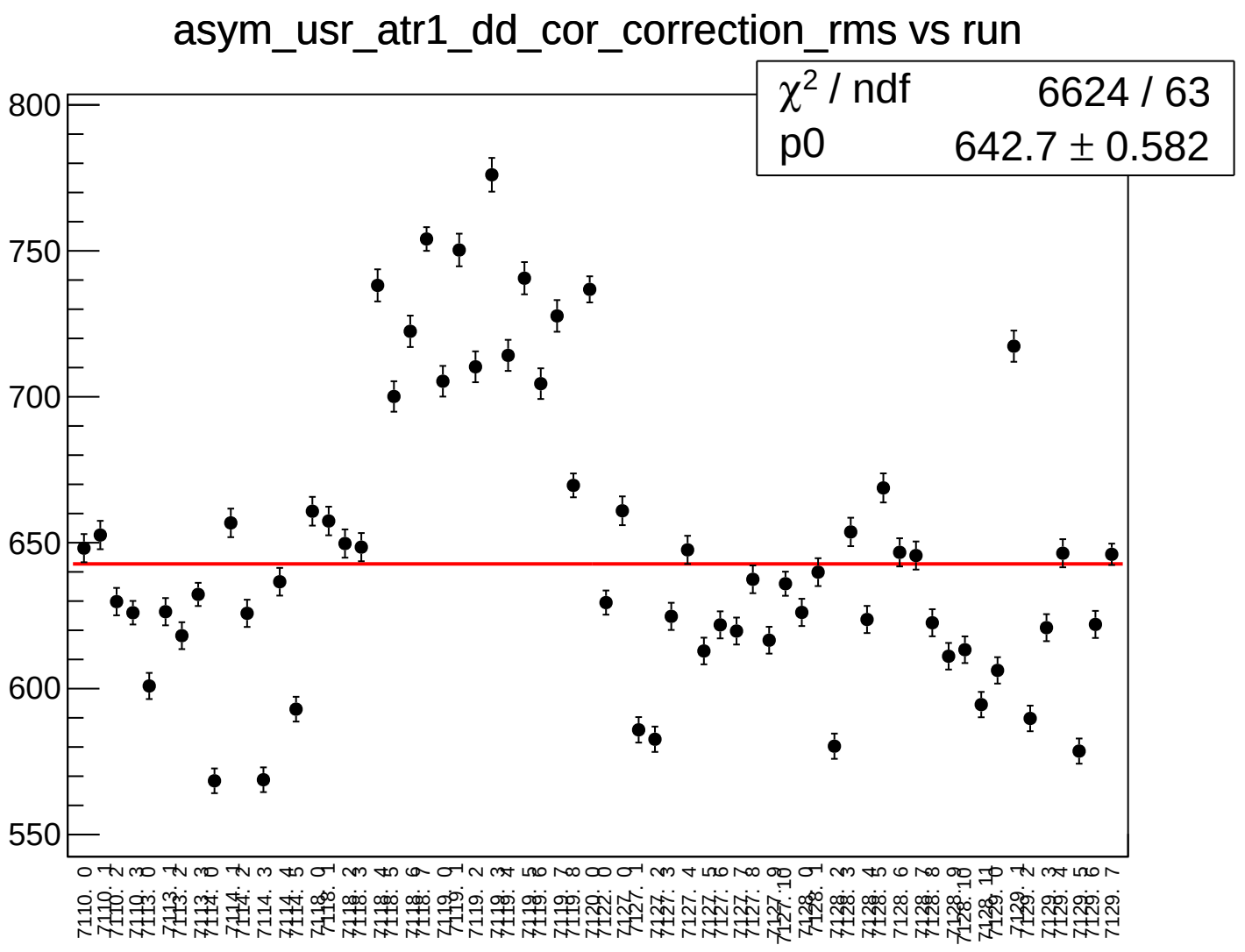

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.67 / 63
p0 −213 ± 1698
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −41.43
Std Dev 36.57
3
2
1
0
−1
−2

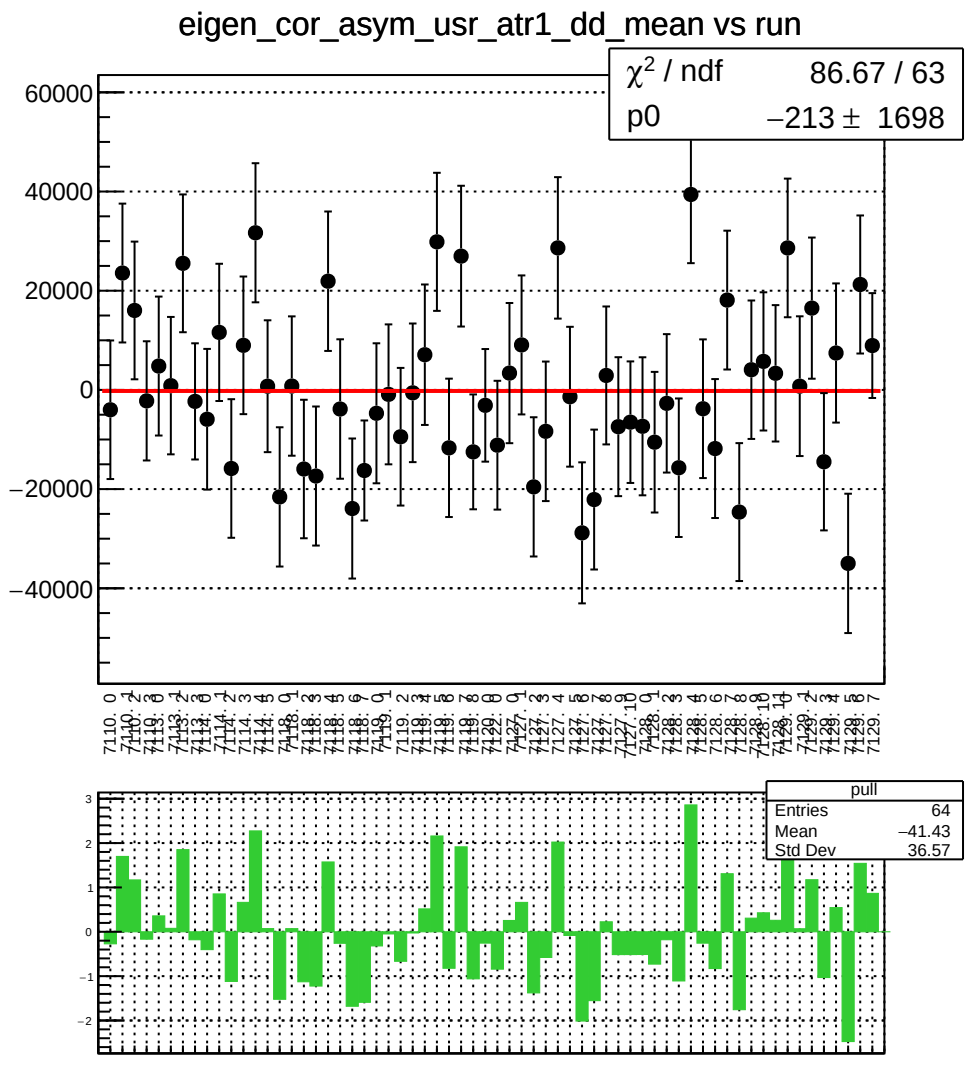

pull1D
Entries 64
Mean 0.01188
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

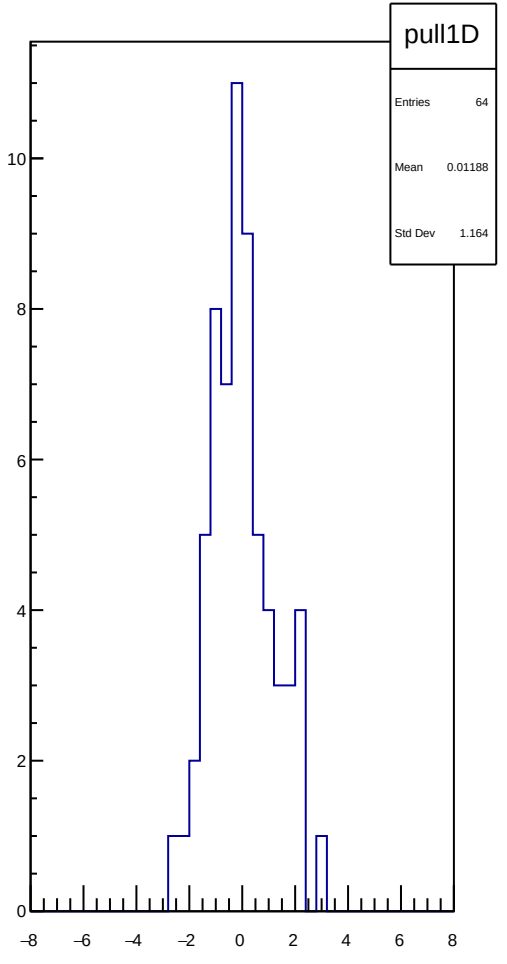

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 119.5 / 63
p0 1330 ± 1.201
1400
1380
1360
1340
1320
1300

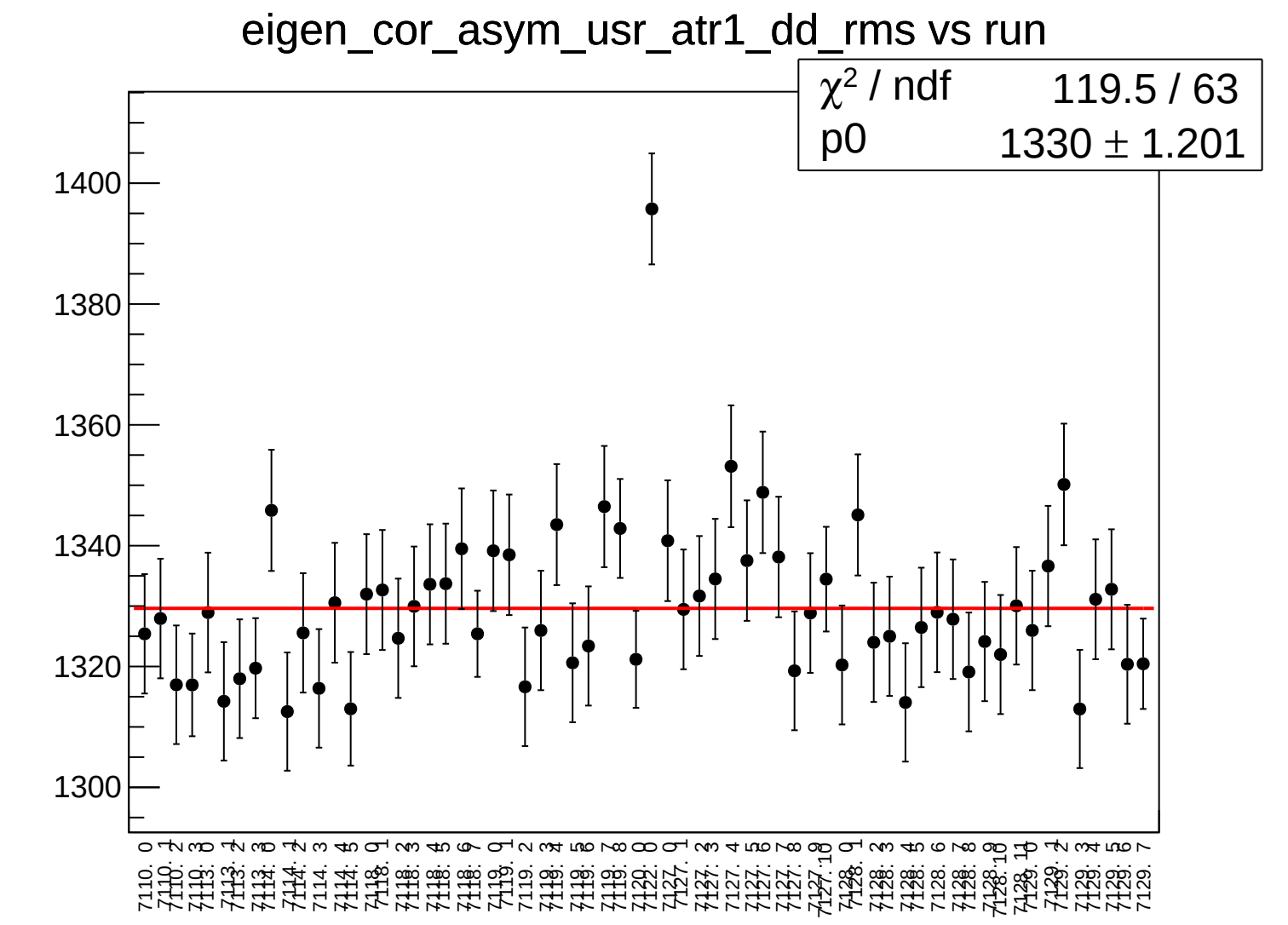

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 60.73 / 63
p0 1030 ± 823.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −185.7
Std Dev 0
2
1
0
−1
−2

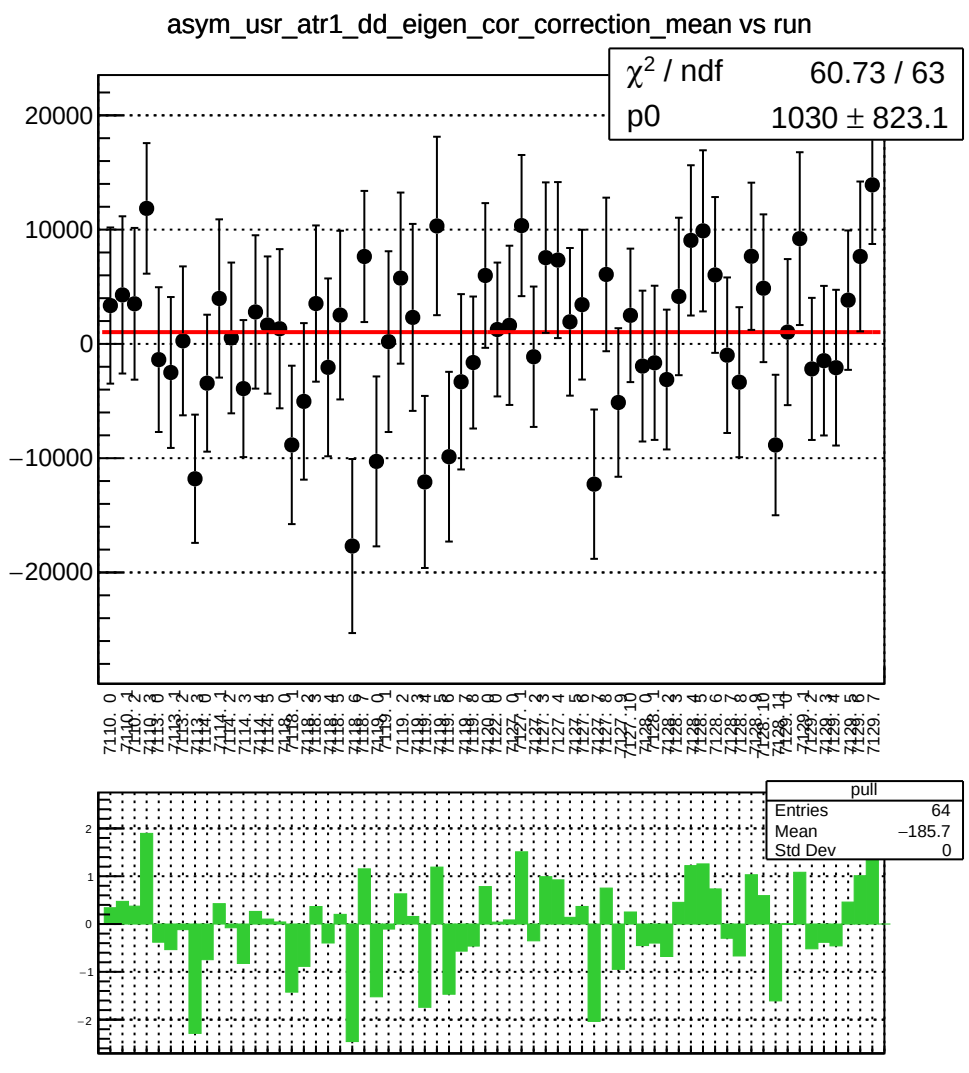

pull1D
Entries 64
Mean −0.01548
Std Dev 0.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

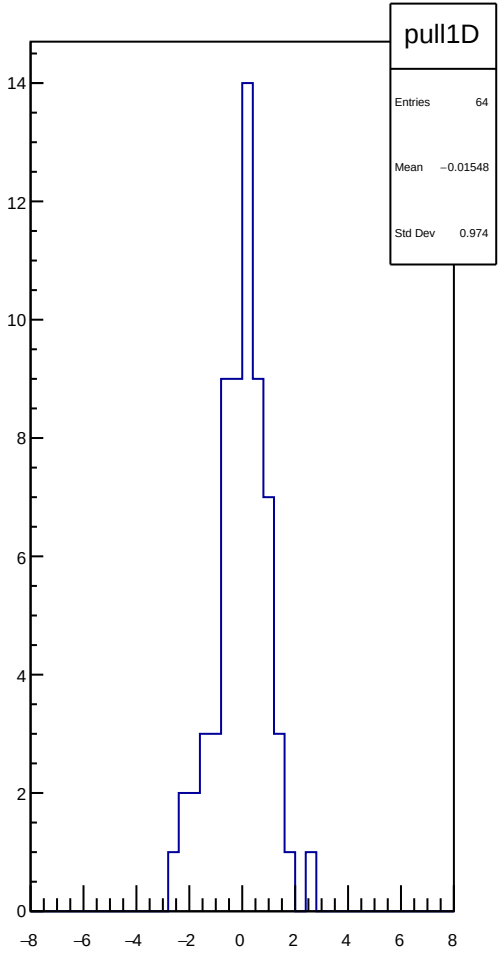

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 6624 / 63
p0 642.7 ± 0.582
800
750
700
650
600
550

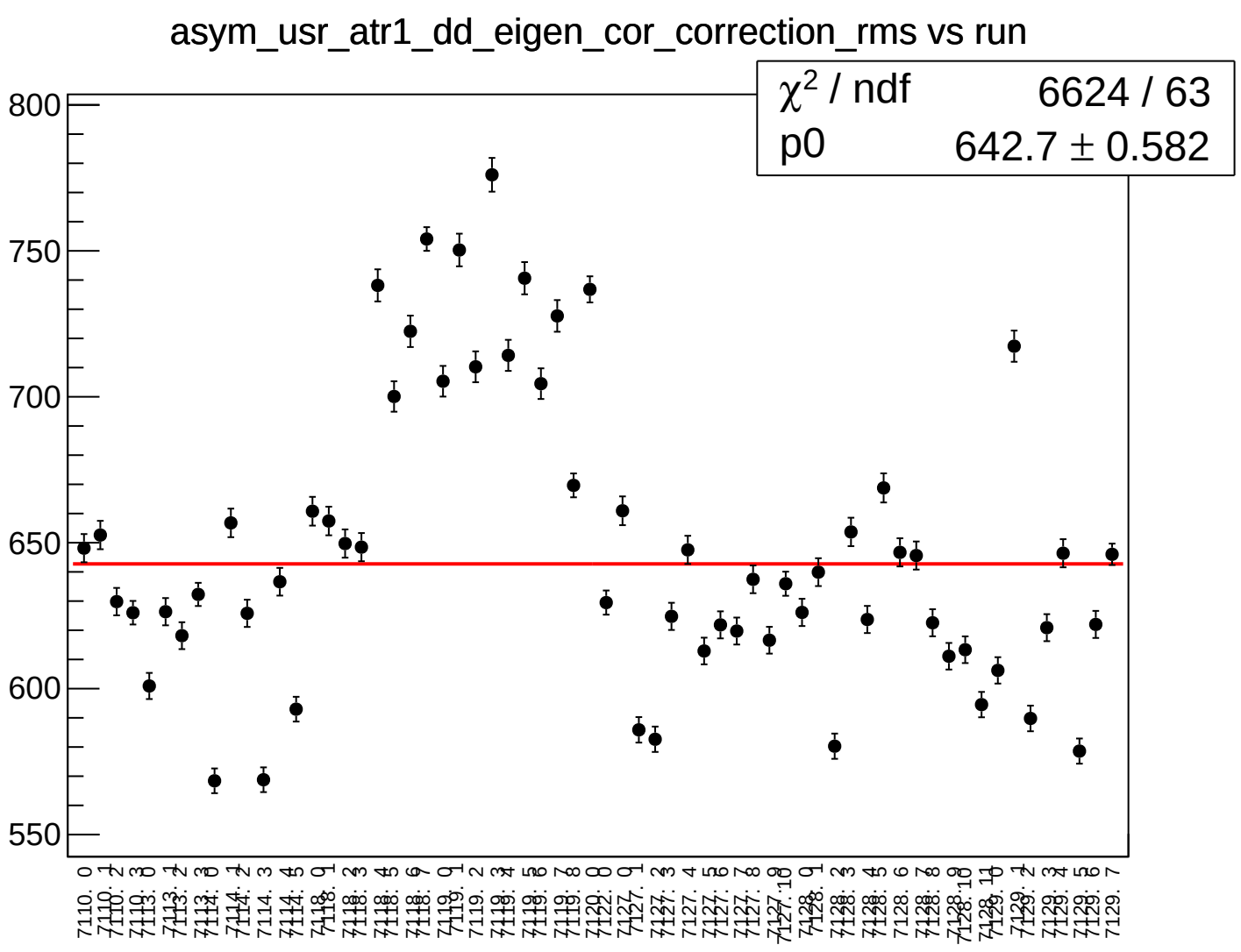

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.67 / 63
p0 −213 ± 1698
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −41.43
Std Dev 36.57
3
2
1
0
−1
−2

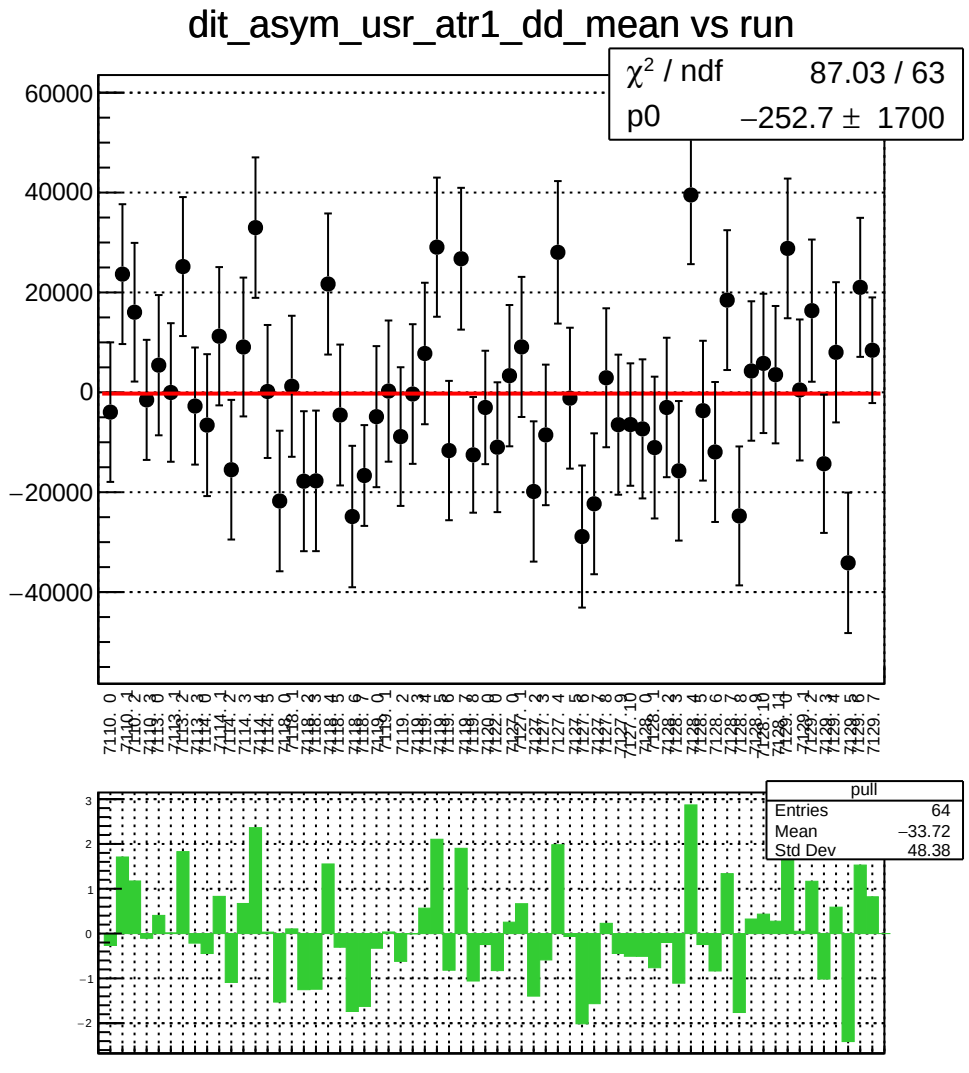

pull1D
Entries 64
Mean 0.01188
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

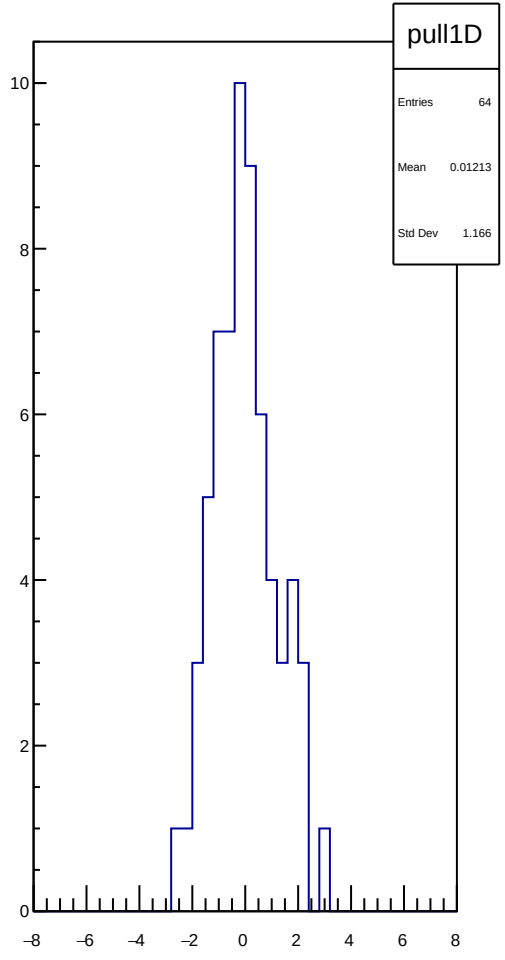

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 119.5 / 63
p0 1330 ± 1.201
1400
1380
1360
1340
1320
1300

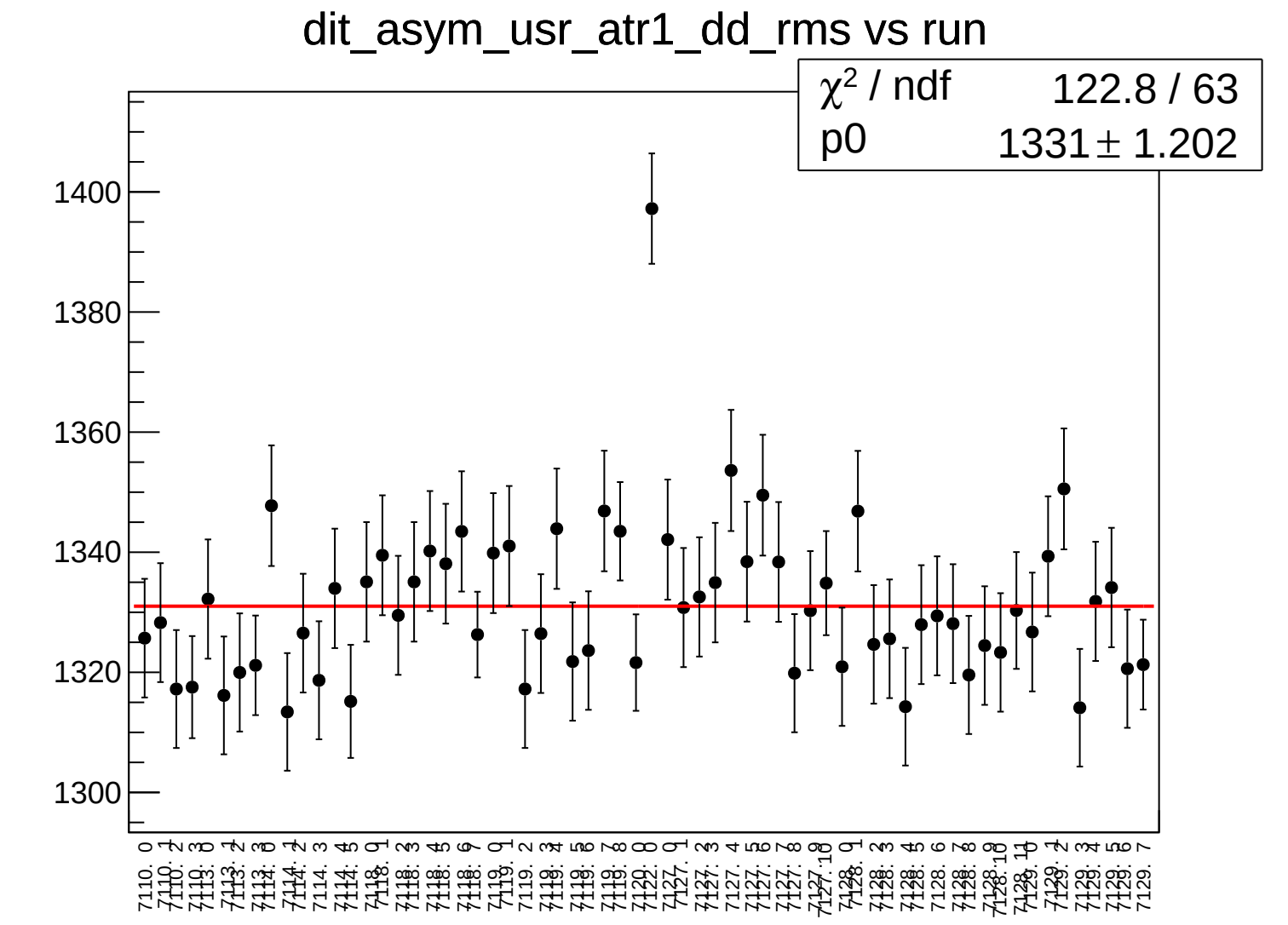

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.73 / 63
p0 1030 ± 823.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −185.7
Std Dev 0
2
1
0
−1
−2

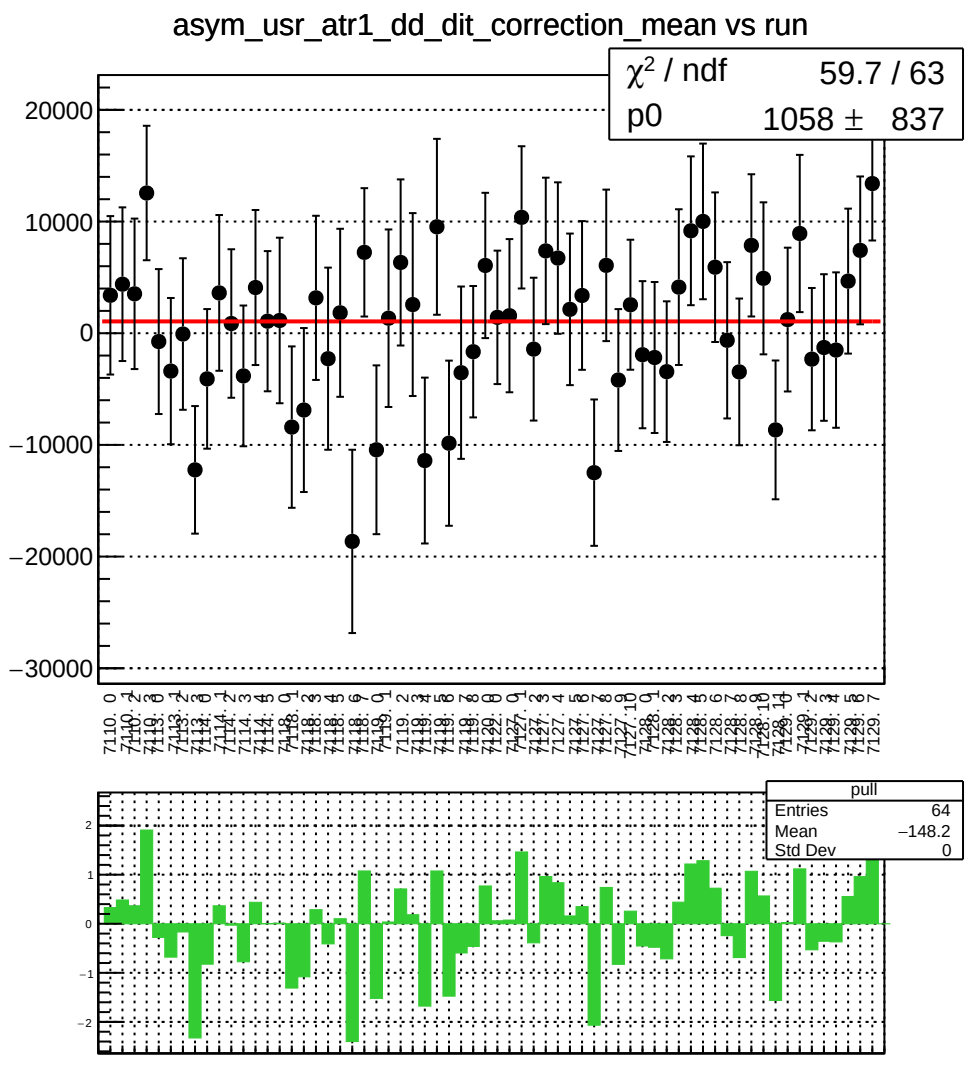

pull1D
Entries 64
Mean −0.01548
Std Dev 0.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

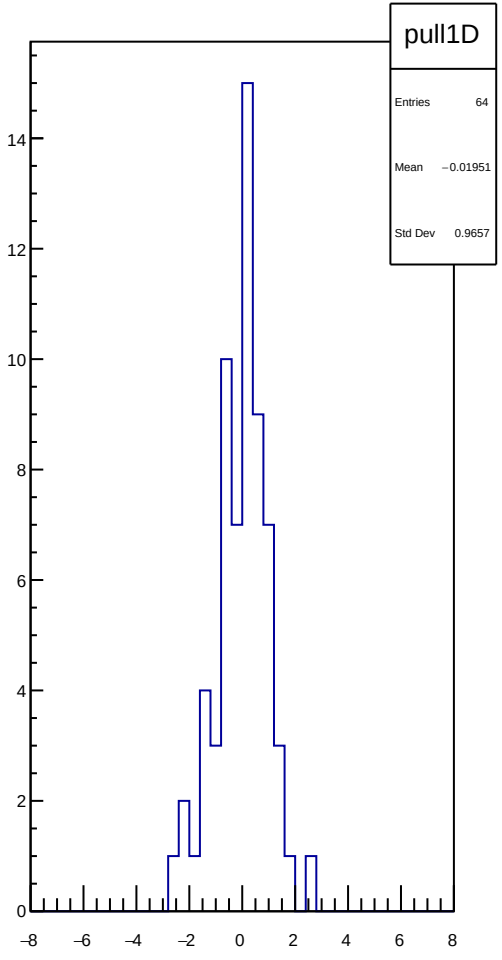

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6624 / 63
p0 642.7 ± 0.582
800
750
700
650
600
550

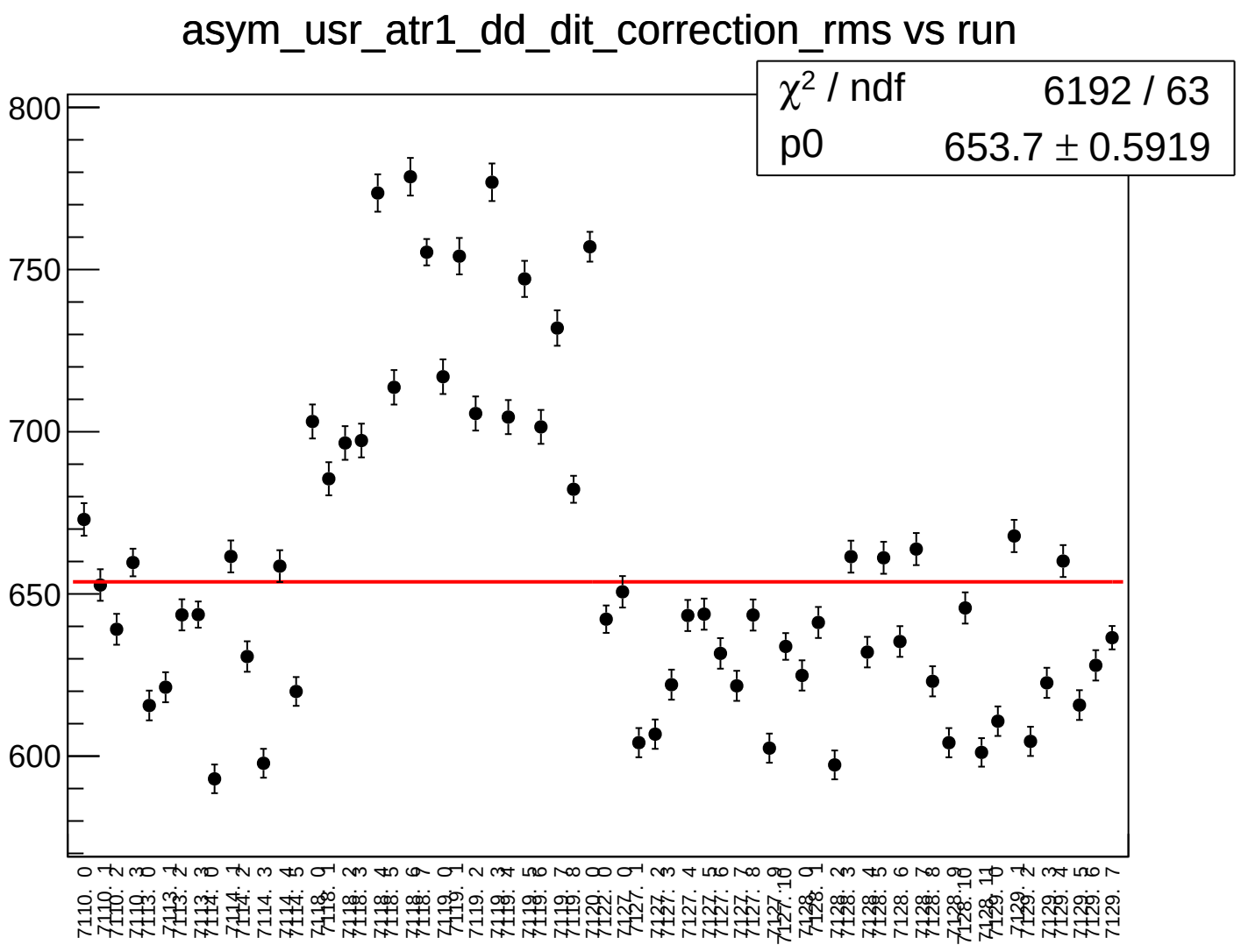

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 87.03 / 63
p0 −252.7 ± 1700
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −33.72
Std Dev 48.38
3
2
1
0
−1
−2

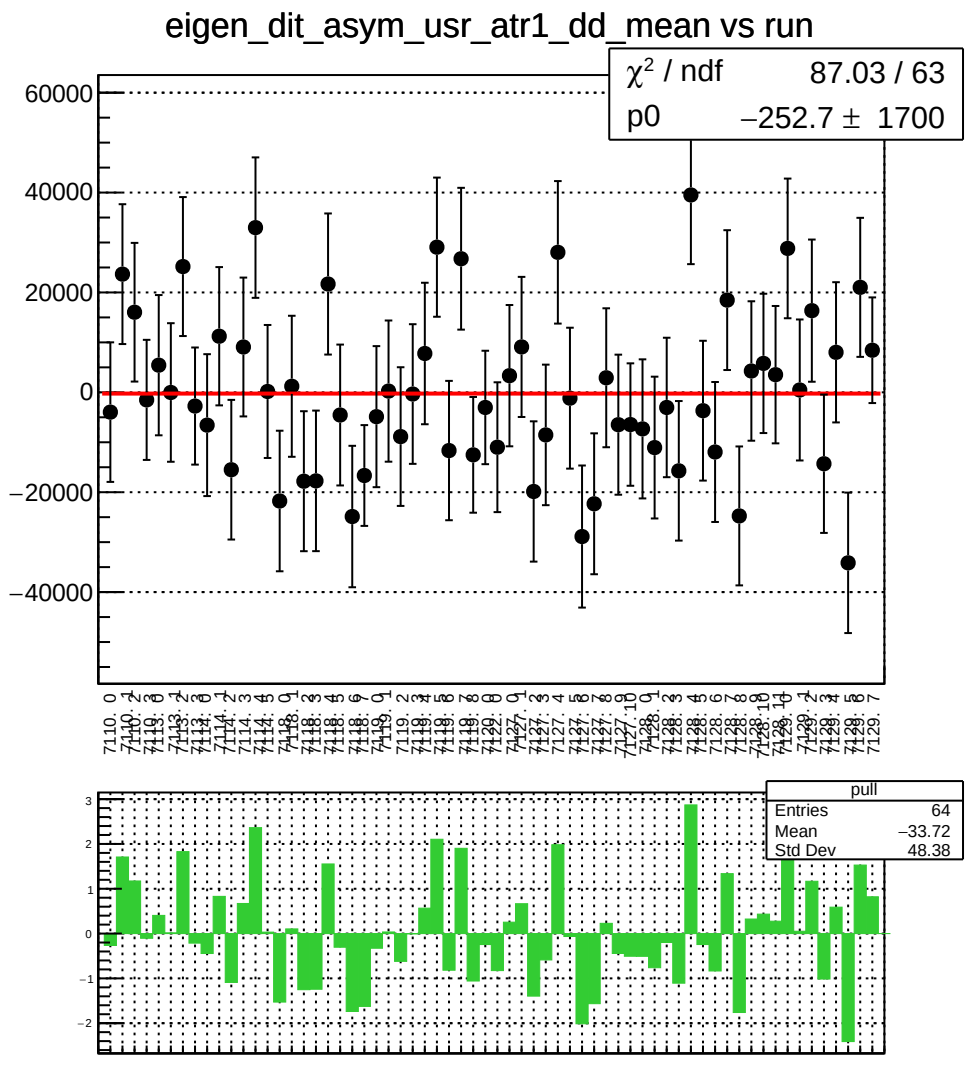

pull1D
Entries 64
Mean 0.01213
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

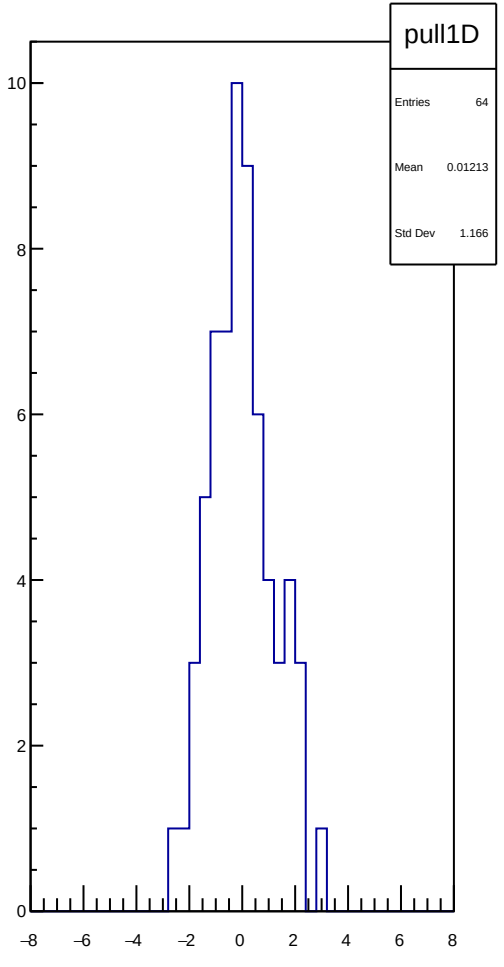

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 122.8 / 63
p0 1331 ± 1.202
1400
1380
1360
1340
1320
1300

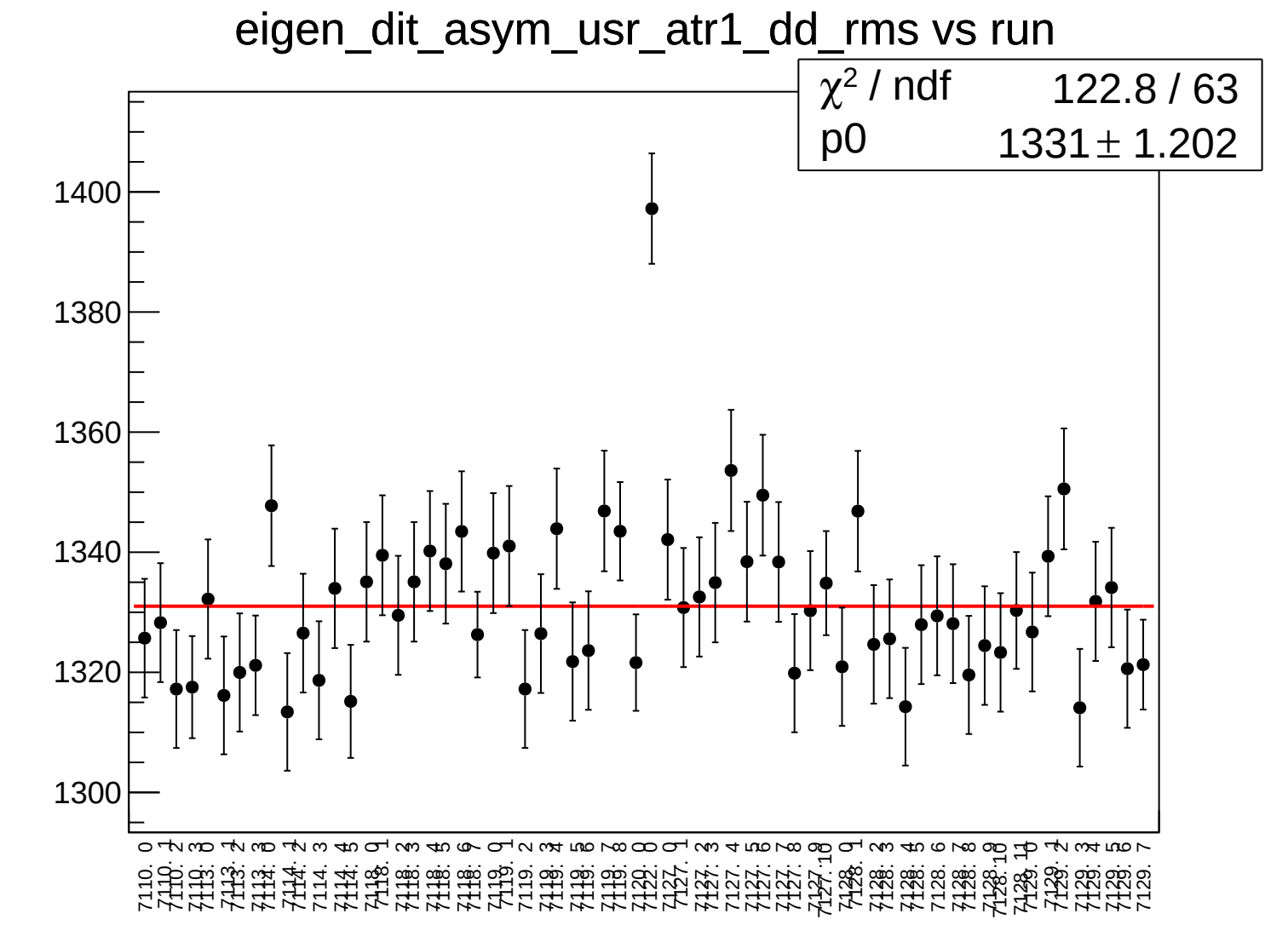

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 59.7 / 63
p0 1058 ± 837
pull
Entries 64
Mean −148.2
Std Dev 0

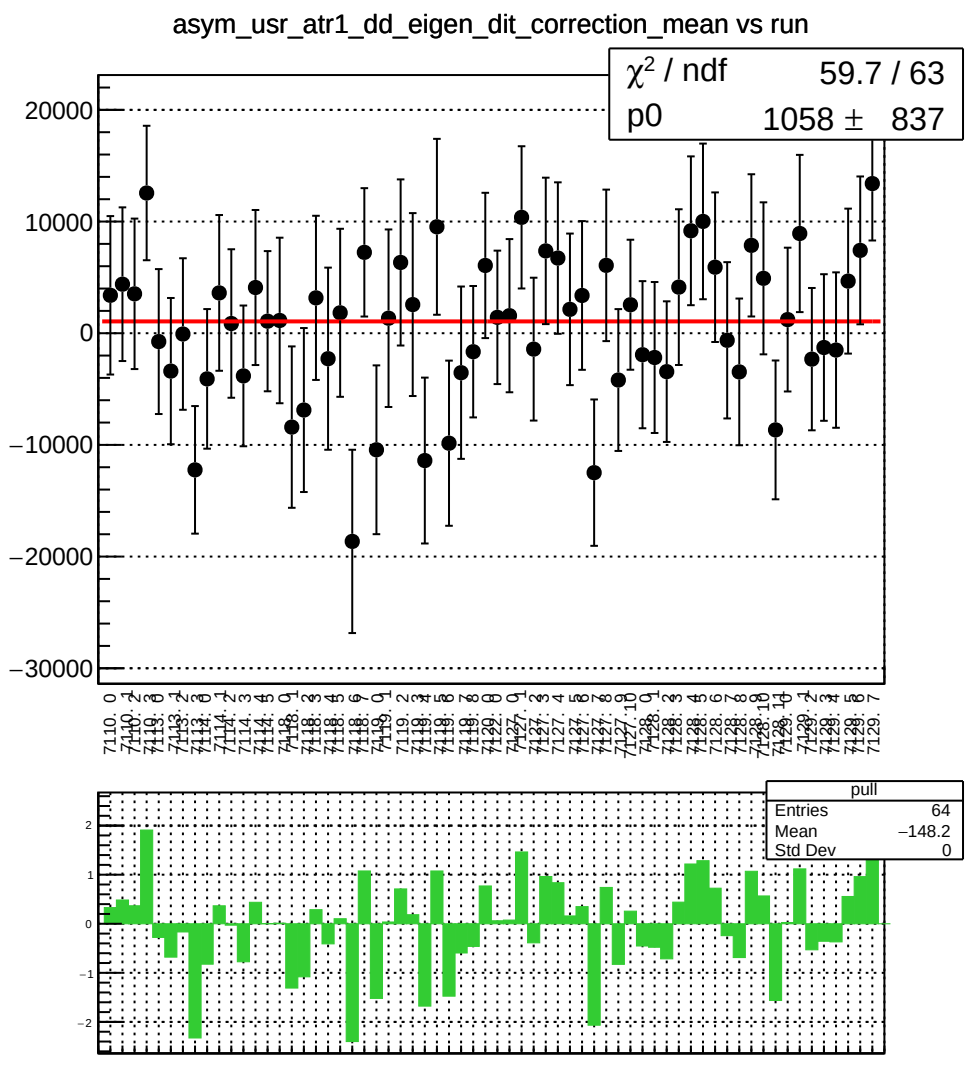

pull1D
Entries 64
Mean −0.01951
Std Dev 0.9657

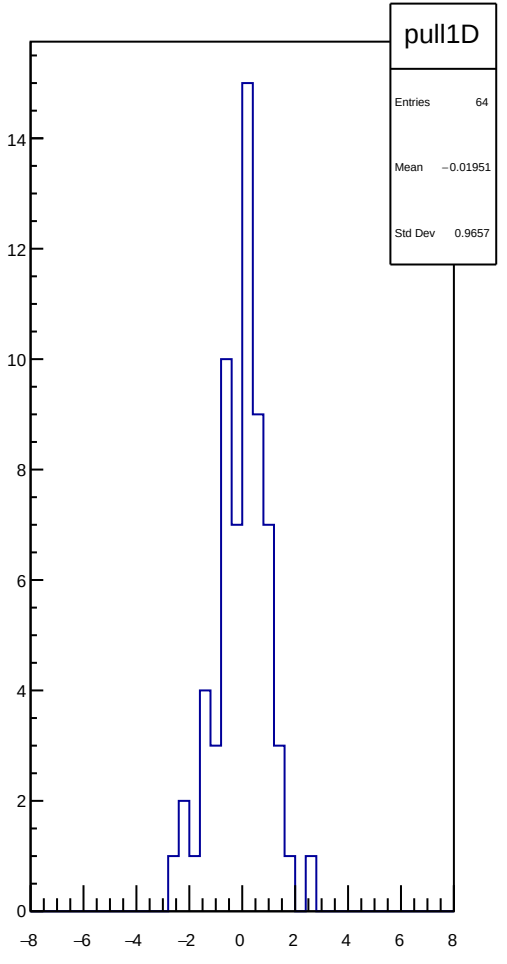

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 6192 / 63
p0 653.7 ± 0.5919
800
750
700
650
600

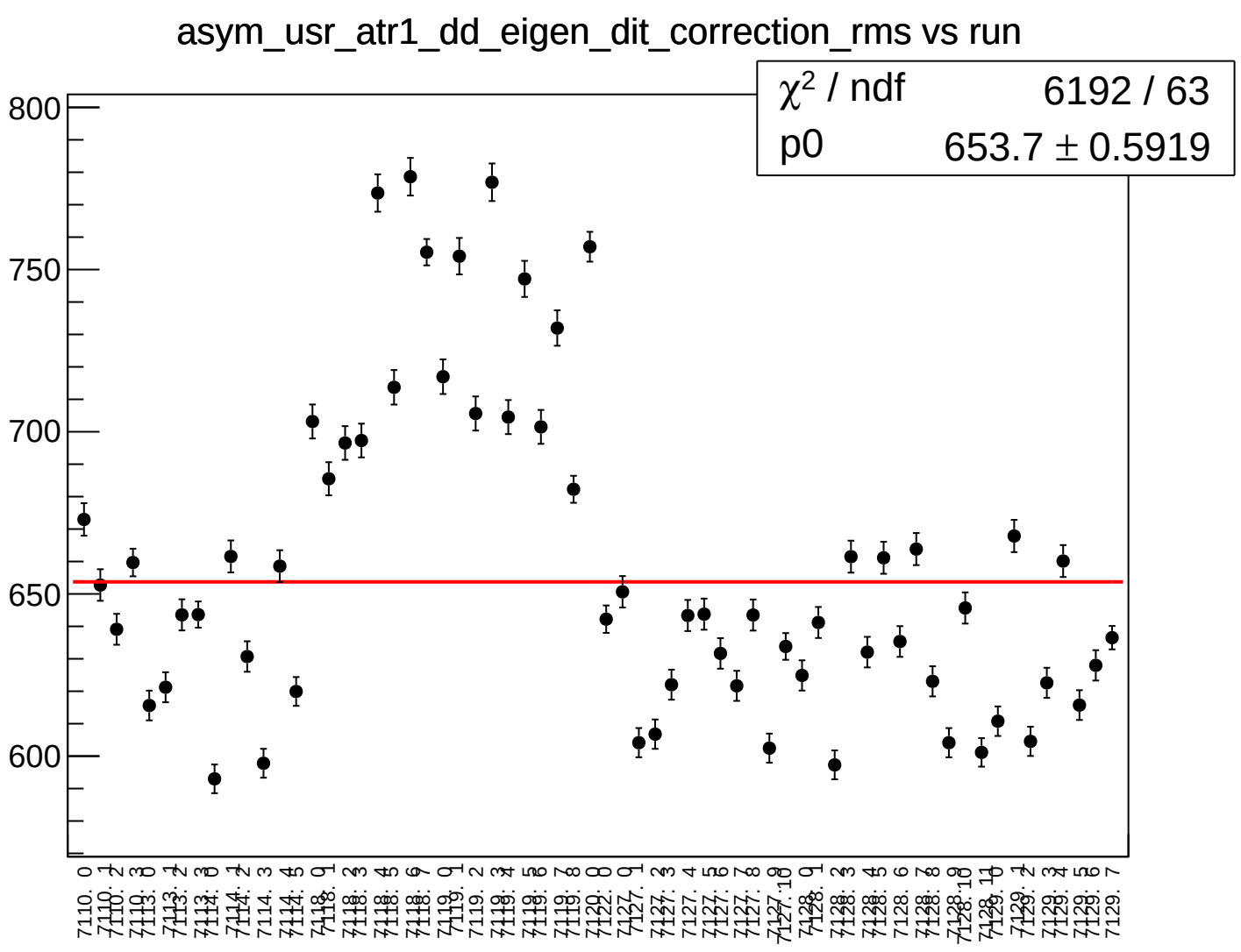

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 87.03 / 63
p0 −252.7 ± 1700
pull
Entries 64
Mean −33.72
Std Dev 48.38

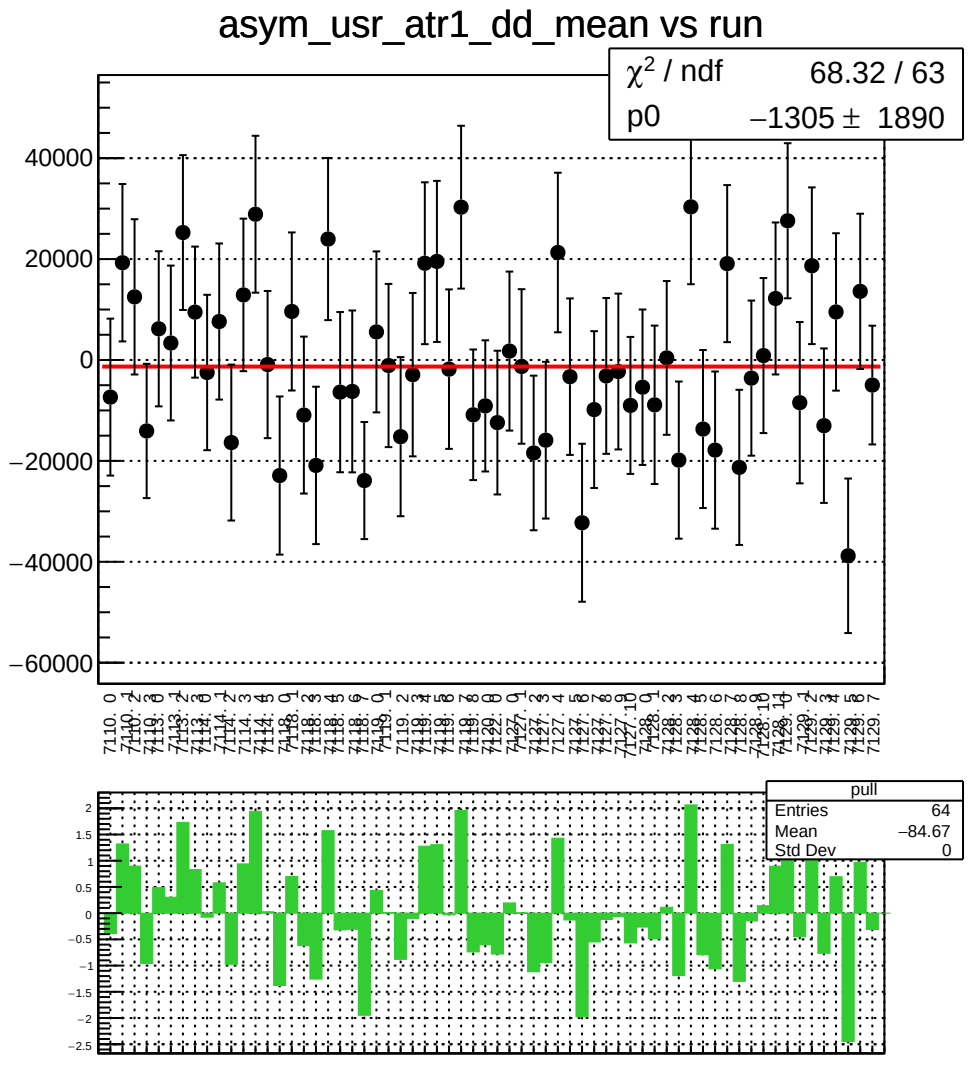

pull1D
Entries 64
Mean 0.01213
Std Dev 1.166

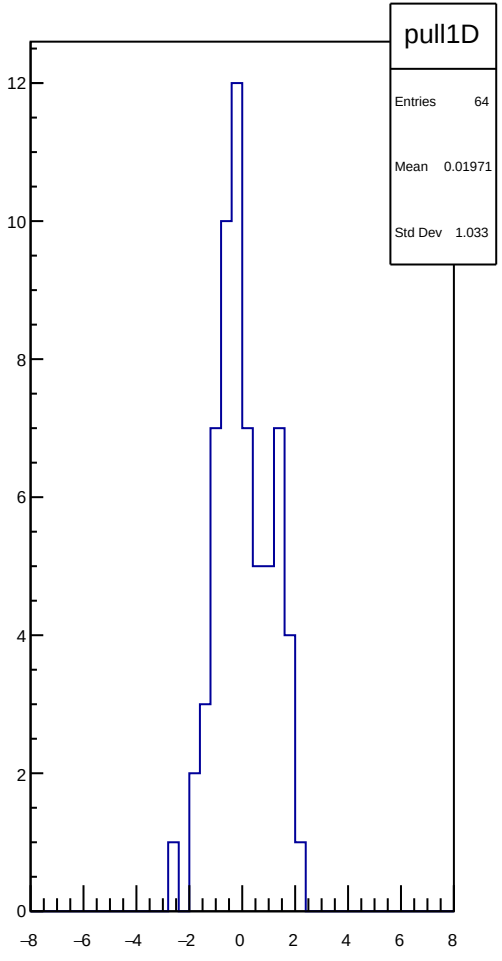

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 122.8 / 63
p0 1331 ± 1.202
1400
1380
1360
1340
1320
1300

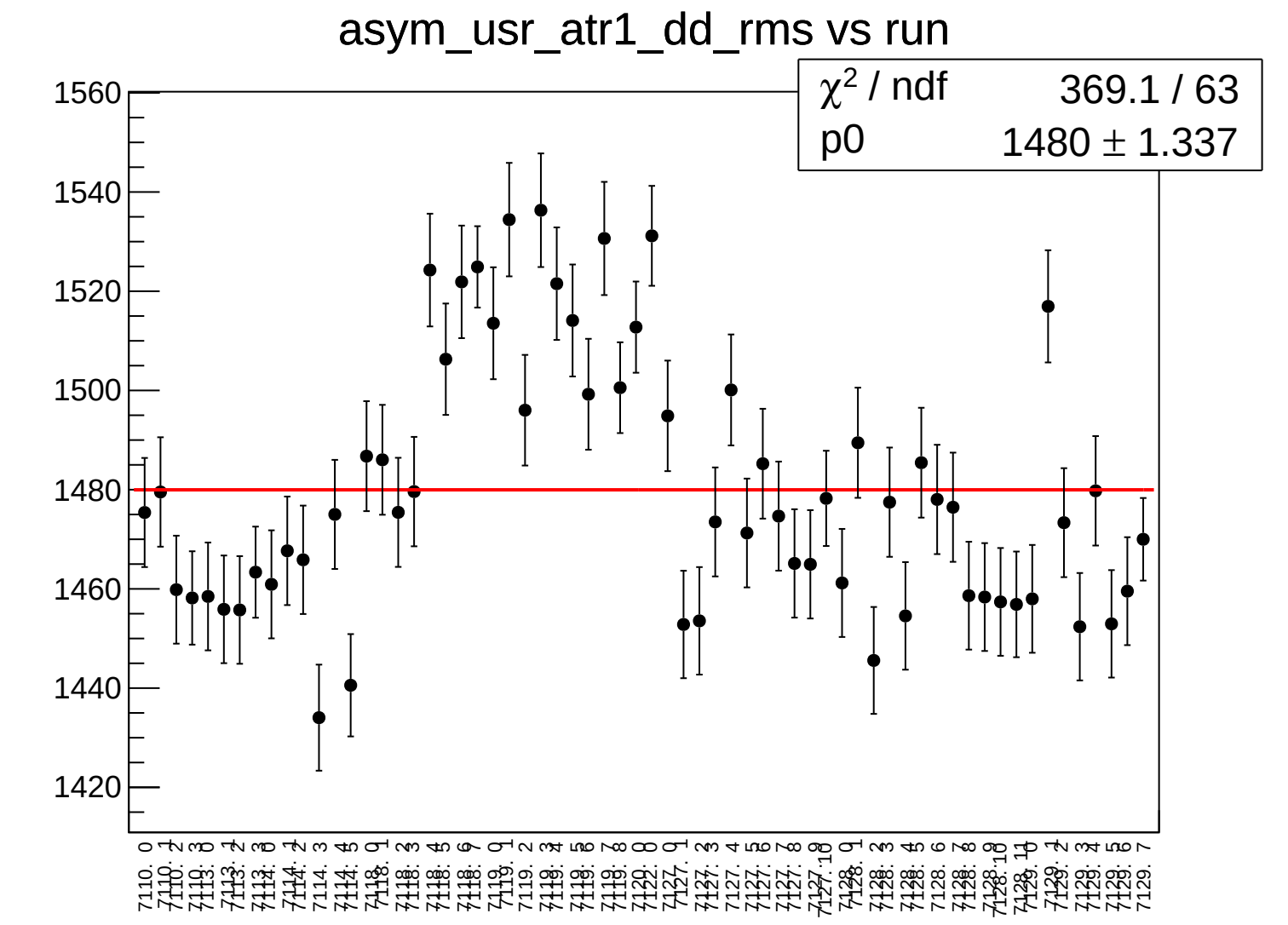

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.7 / 63
p0 1058 ± 837
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean −148.2
Std Dev 0
2
1
0
−1
−2

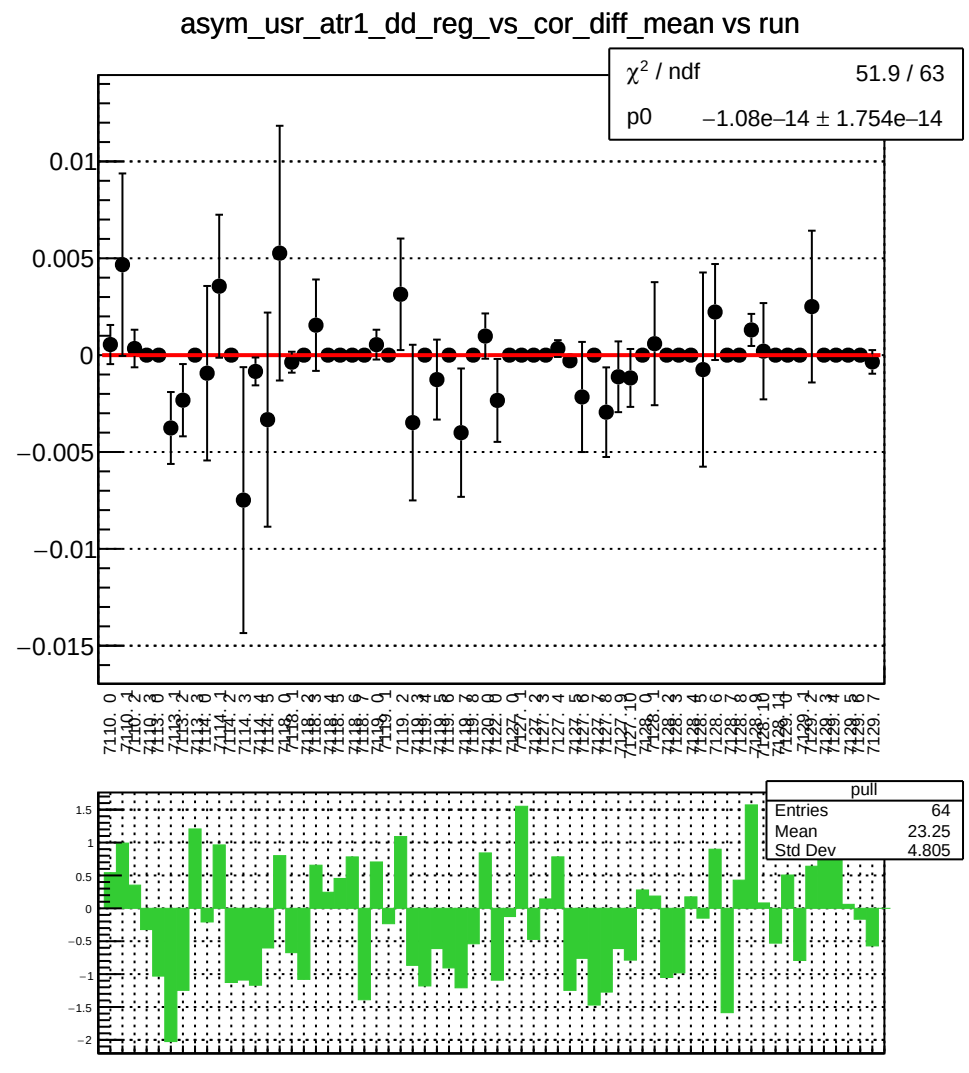

pull1D
Entries 64
Mean −0.01951
Std Dev 0.9657
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

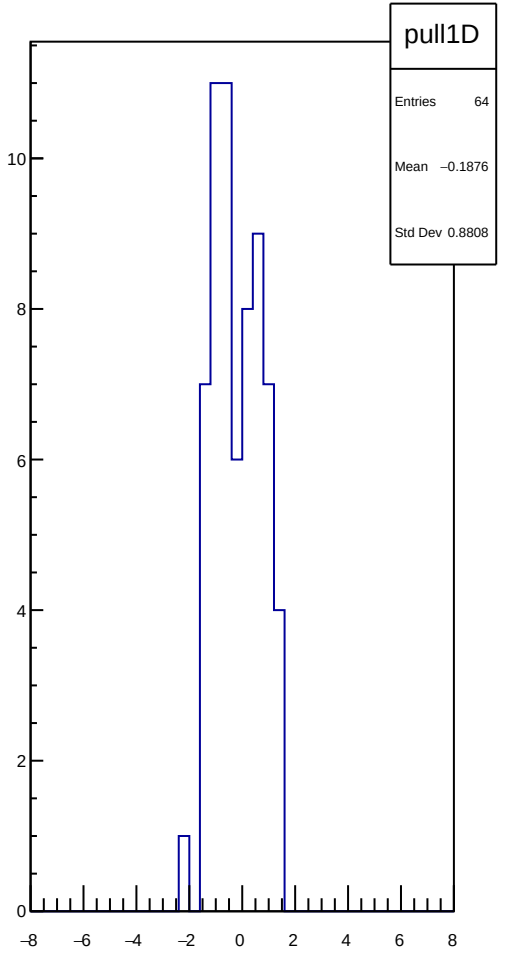

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 6192 / 63
p0 653.7 ± 0.5919
800
750
700
650
600

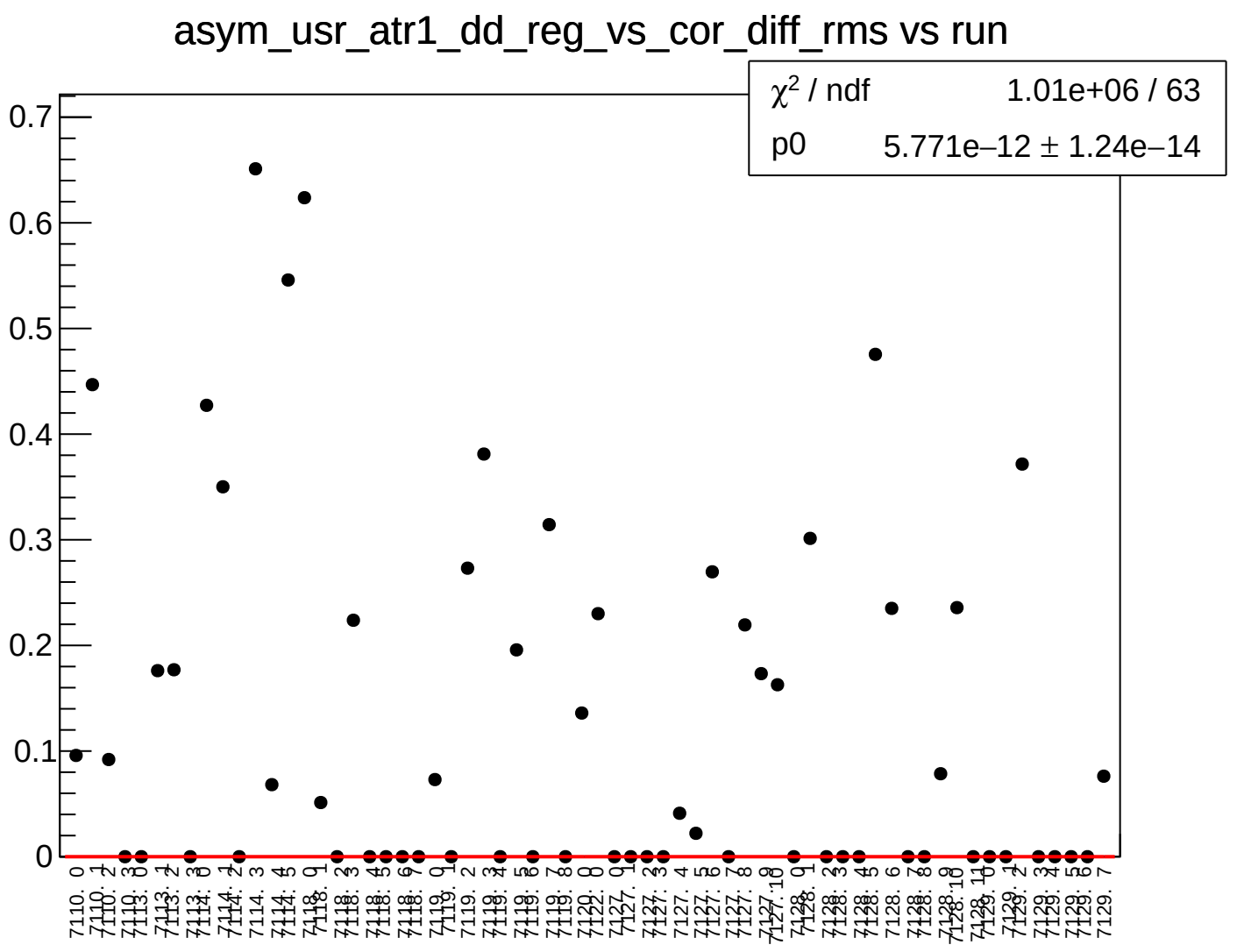

asym_usr_atr1_dd_mean vs run
χ² / ndf 68.32 / 63
p0 −1305 ± 1890
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −84.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

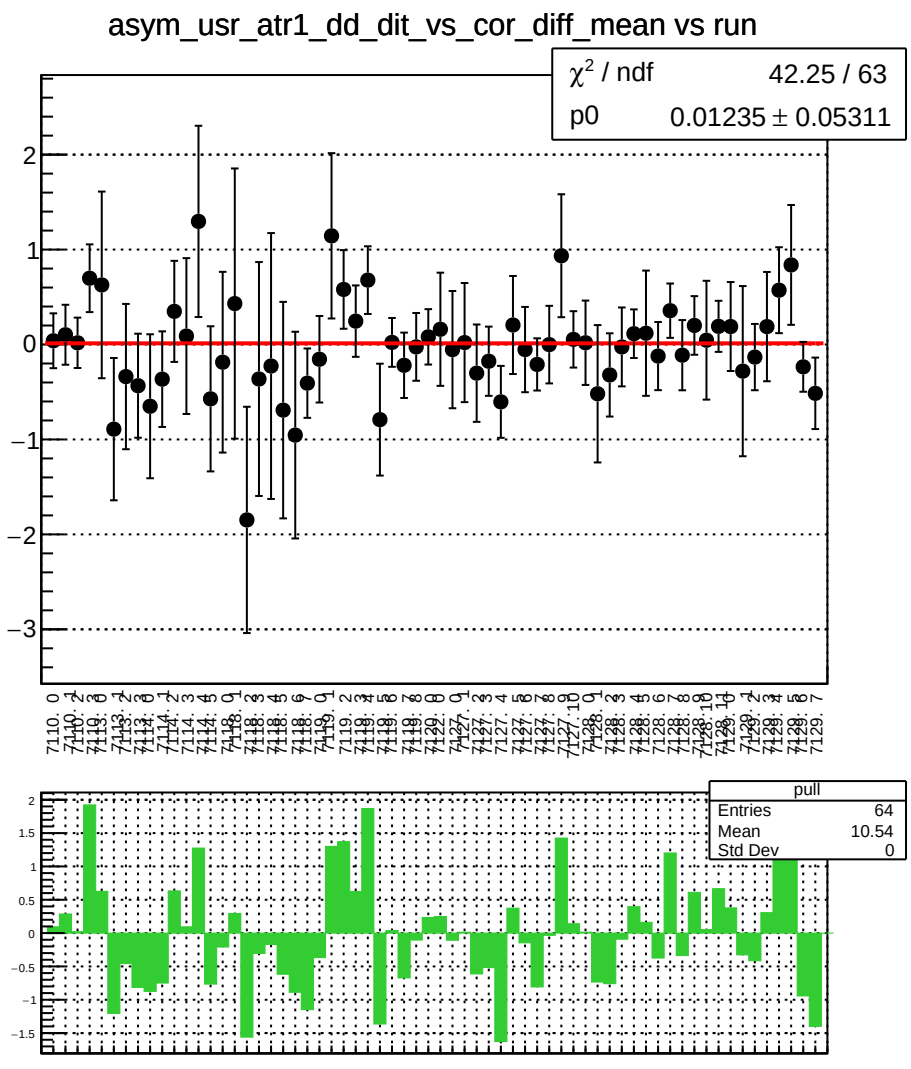

pull1D
Entries 64
Mean 0.01971
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

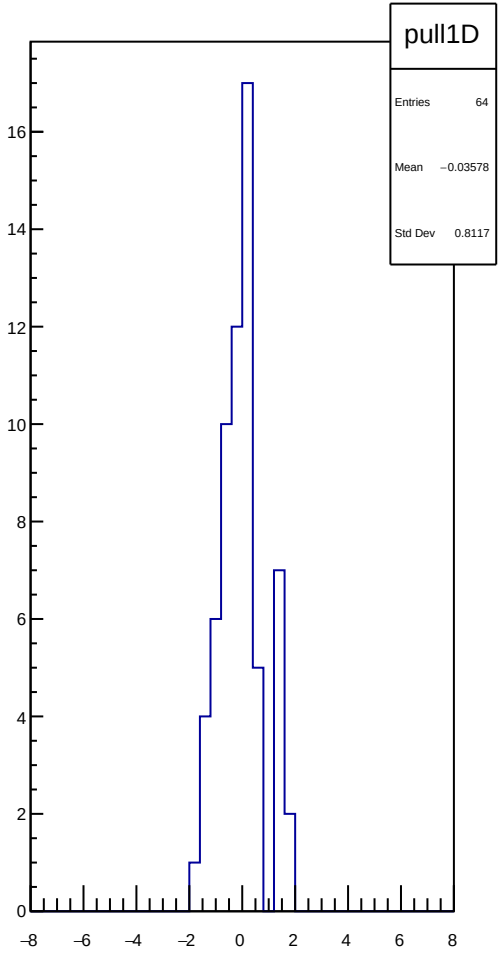

asym_usr_atr1_dd_rms vs run
χ² / ndf 369.1 / 63
p0 1480 ± 1.337
1560
1540
1520
1500
1480
1460
1440
1420

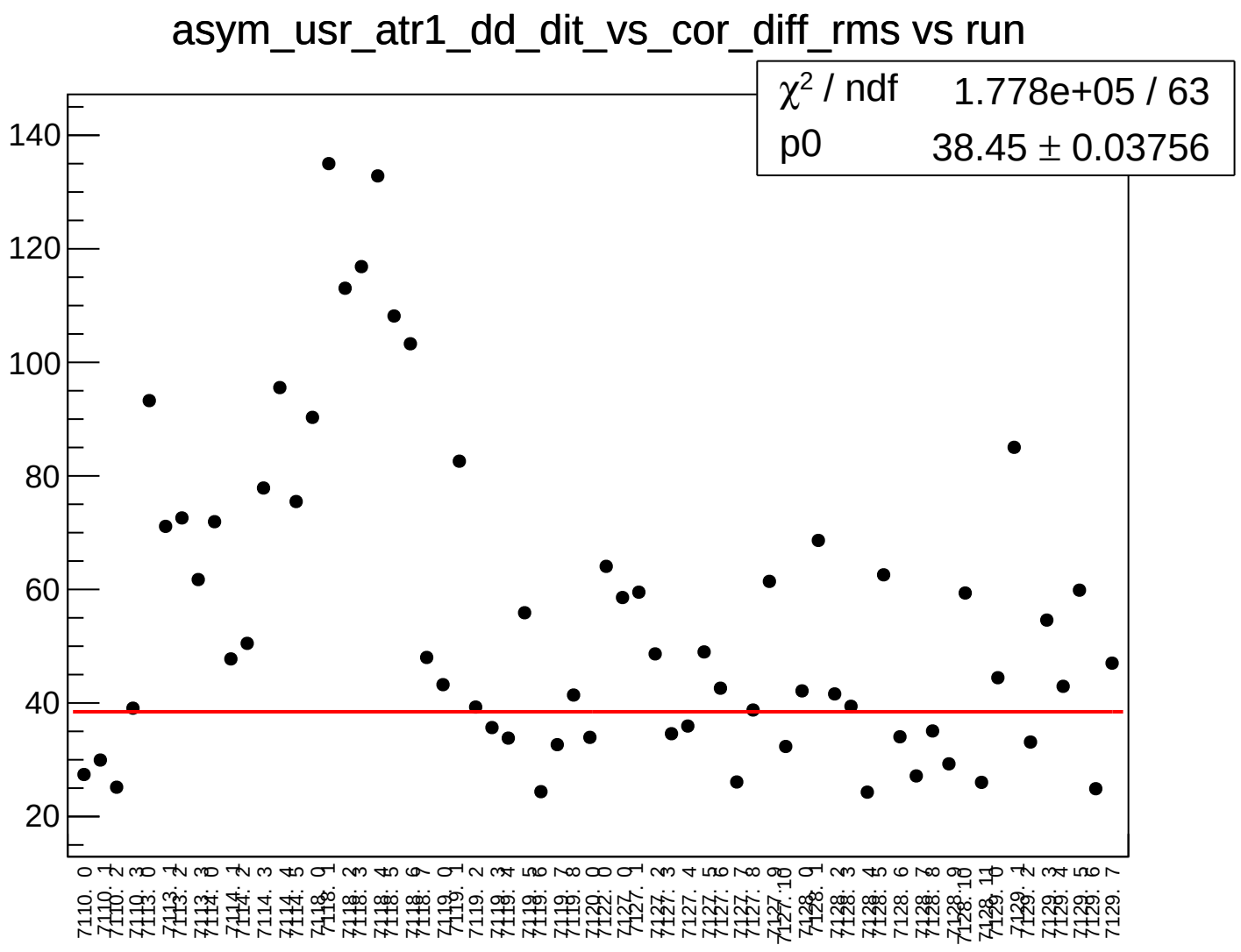

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.9 / 63
p0 −1.08e−14 ± 1.754e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 64
Mean 23.25
Std Dev 4.805
1.5
1
0.5
0
−0.5
−1
−1.5
−2

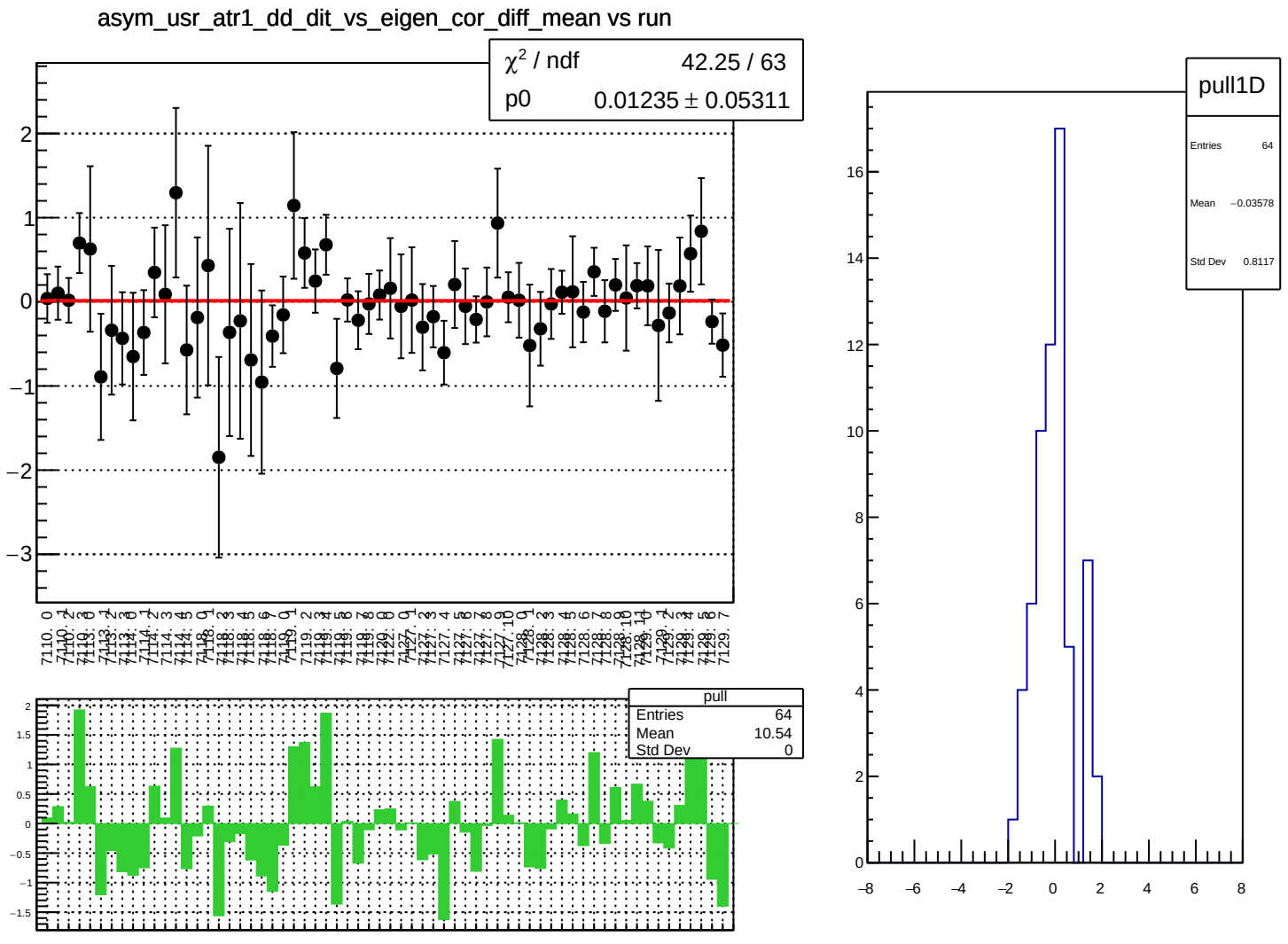

pull1D
Entries 64
Mean −0.1876
Std Dev 0.8808
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

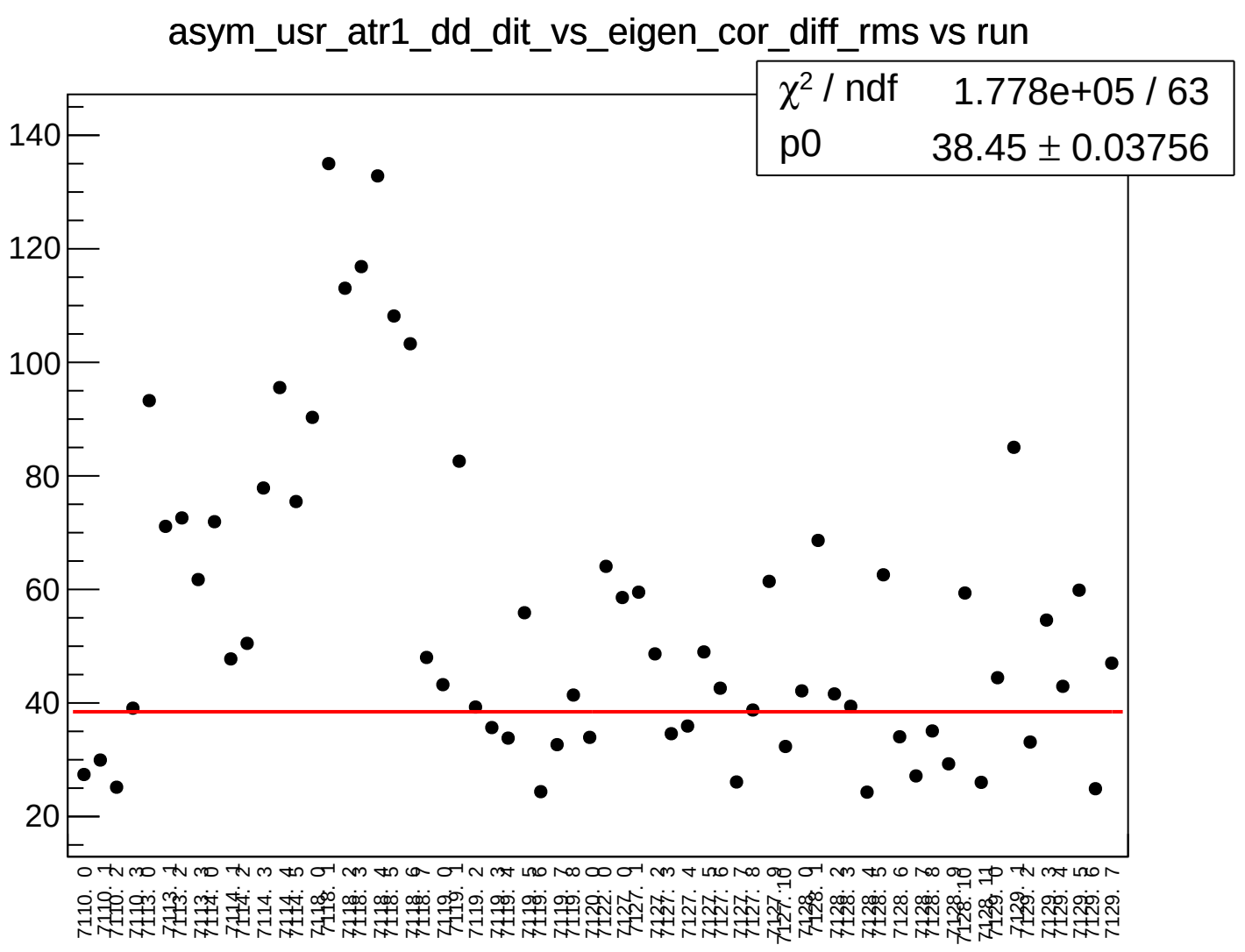

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.01e+06 / 63
p0 5.771e−12 ± 1.24e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

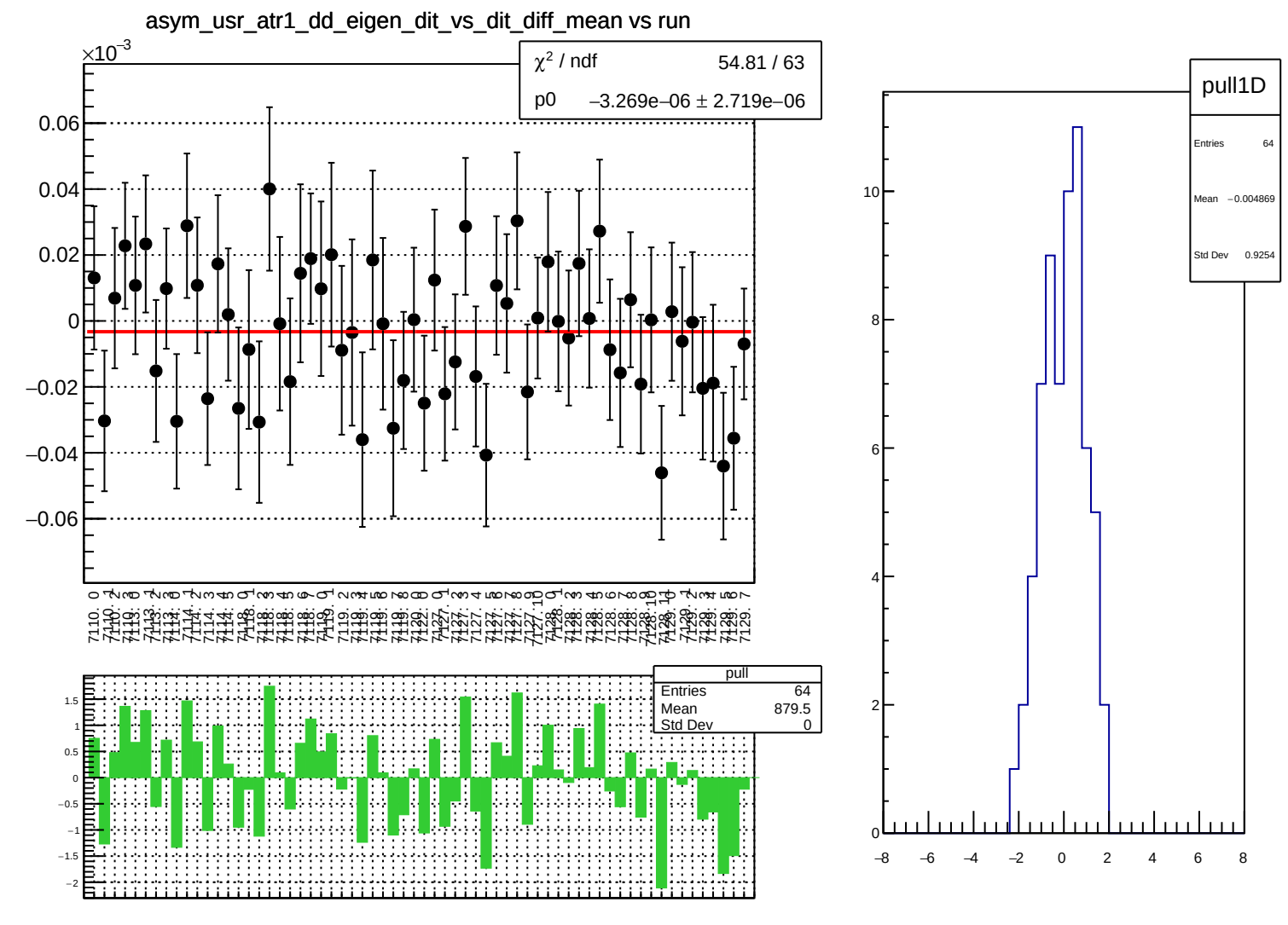

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.25 / 63
p0 0.01235 ± 0.05311
pull
Entries 64
Mean 10.54
Std Dev 0

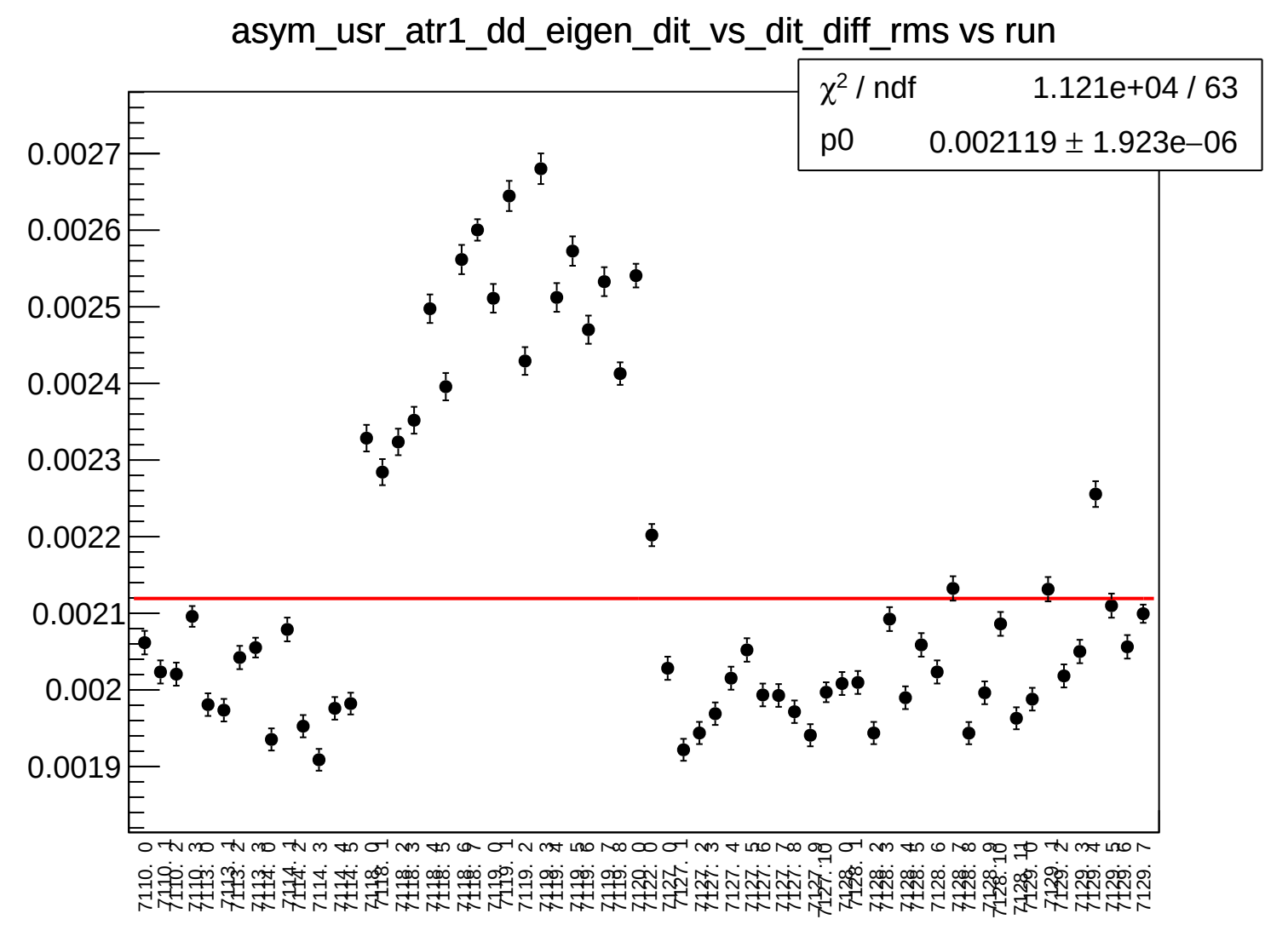

pull1D
Entries 64
Mean −0.03578
Std Dev 0.8117

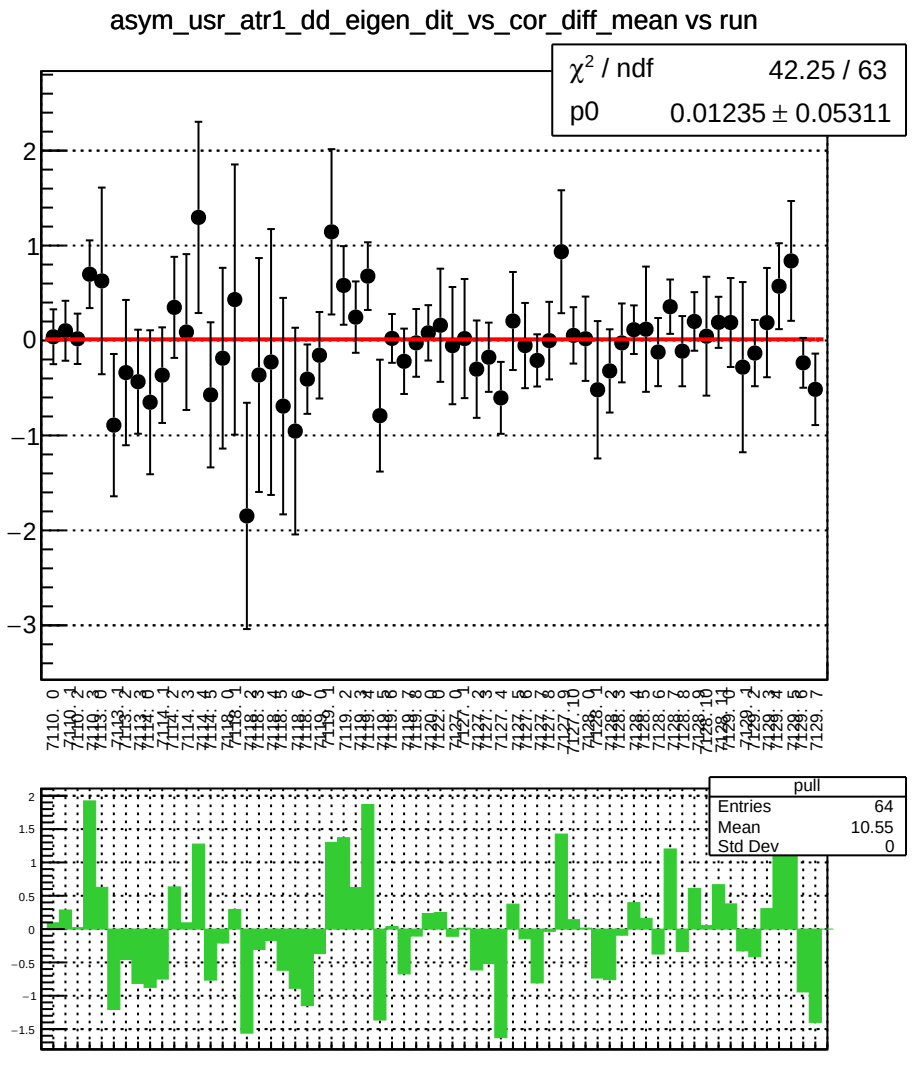

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 38.45 ± 0.03756
140
120
100
80
60
40
20

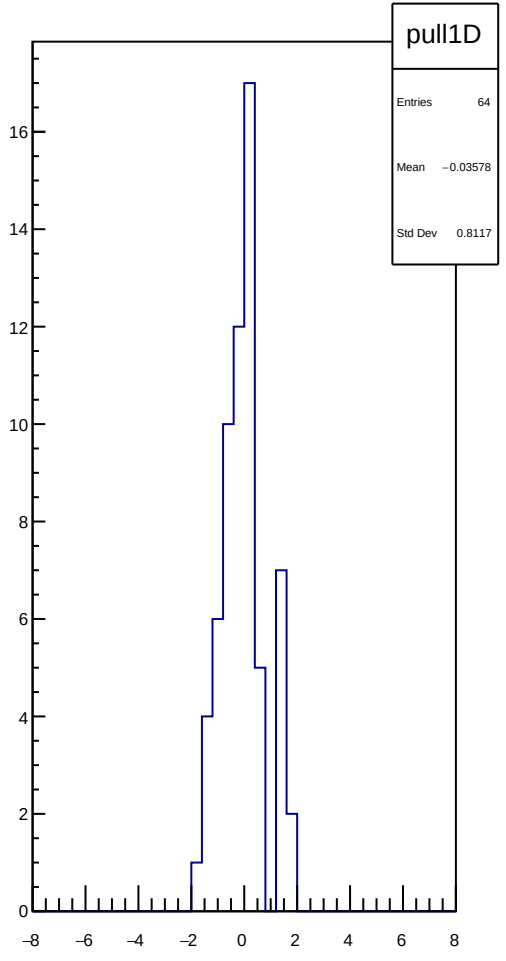

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.25 / 63
p0 0.01235 ± 0.05311
pull
Entries 64
Mean 10.54
Std Dev 0
pull1D
Entries 64
Mean −0.03578
Std Dev 0.8117

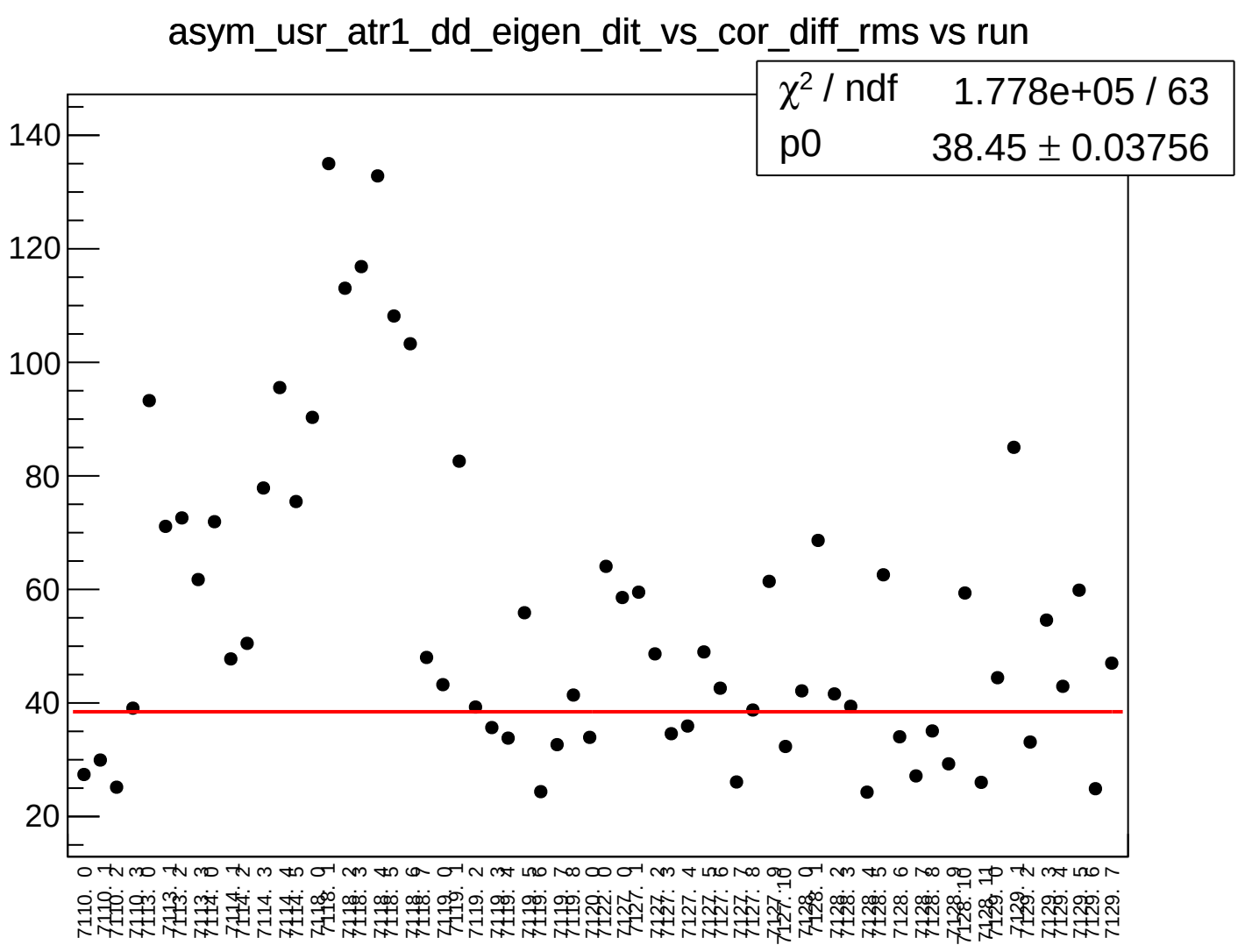

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 38.45 ± 0.03756
140
120
100
80
60
40
20

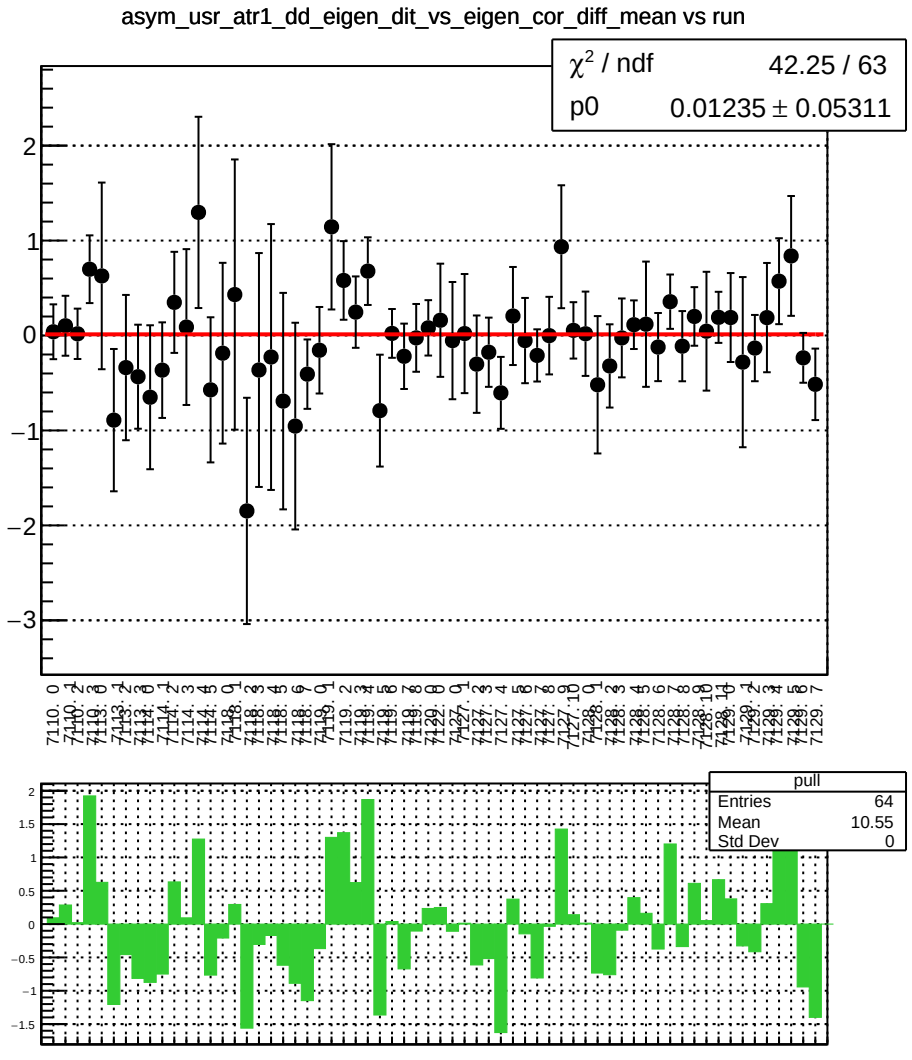

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.81 / 63
p0 −3.269e−06 ± 2.719e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 879.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.004869
Std Dev 0.9254
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

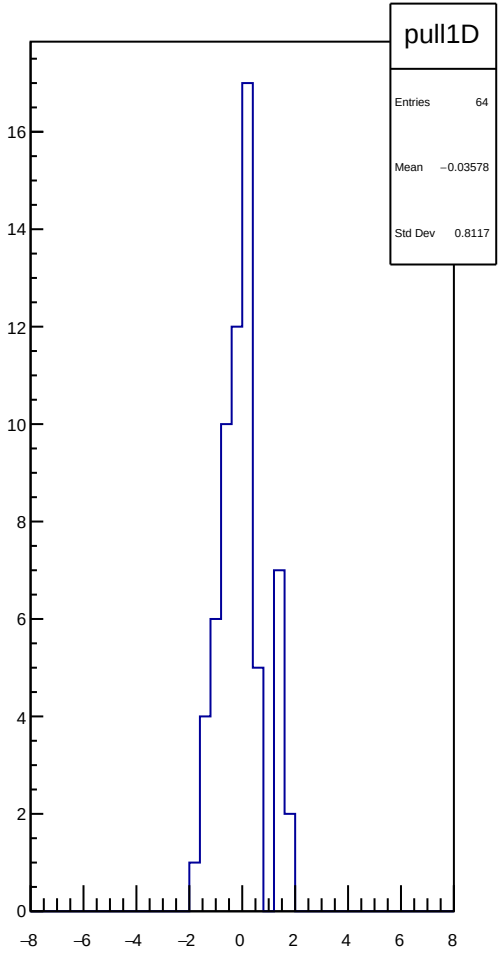

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.121e+04 / 63
p0 0.002119 ± 1.923e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019

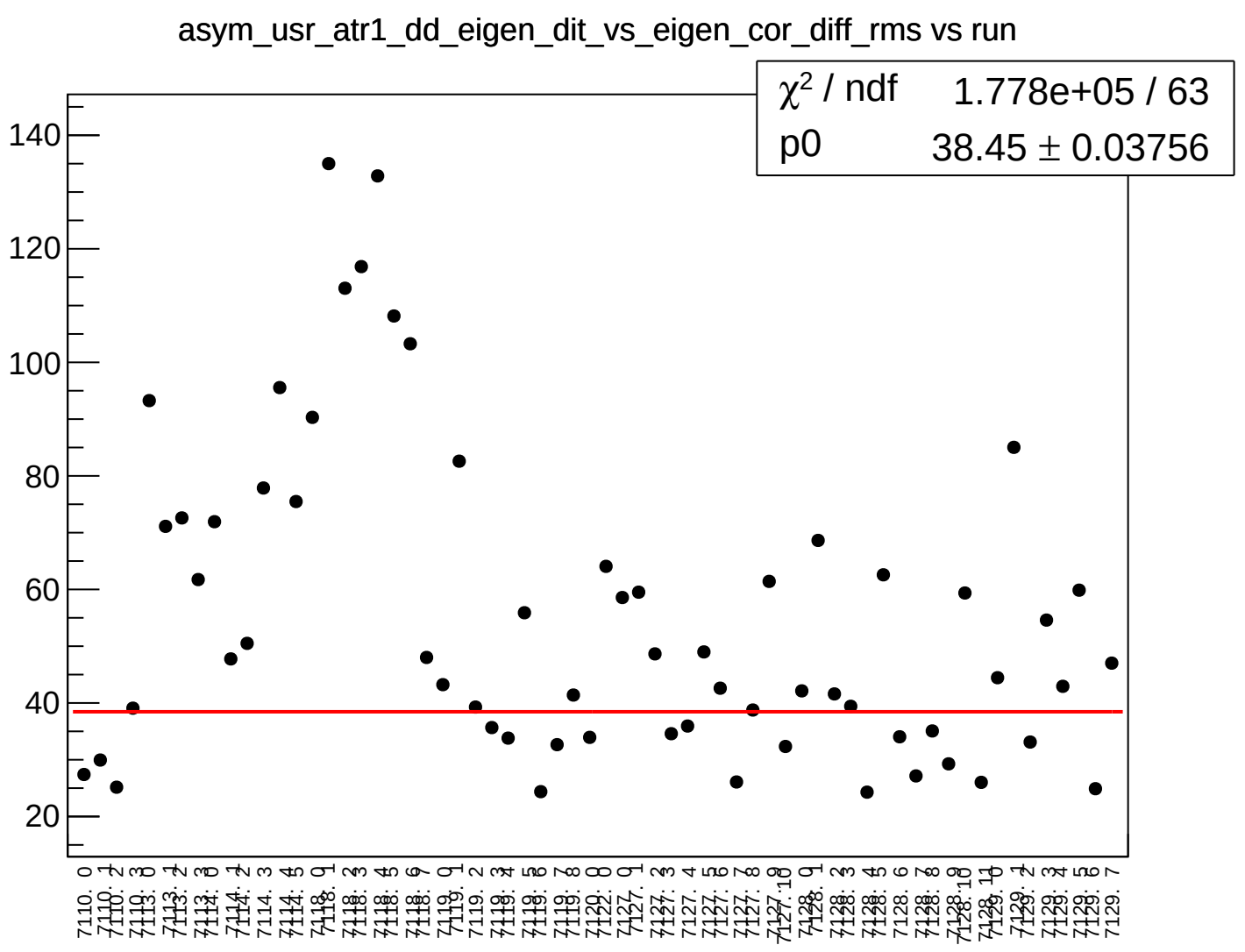

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.25 / 63
p0 0.01235 ± 0.05311
pull
Entries 64
Mean 10.55
Std Dev 0

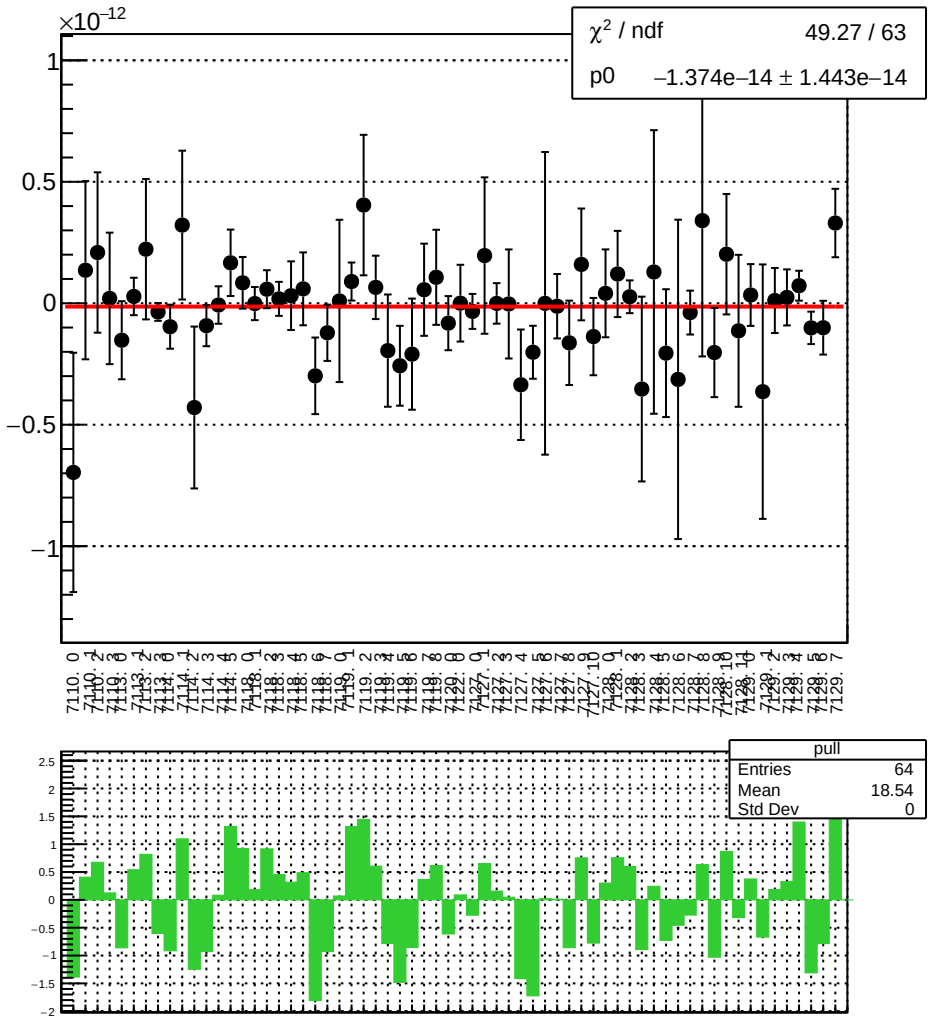

pull1D
Entries 64
Mean −0.03578
Std Dev 0.8117

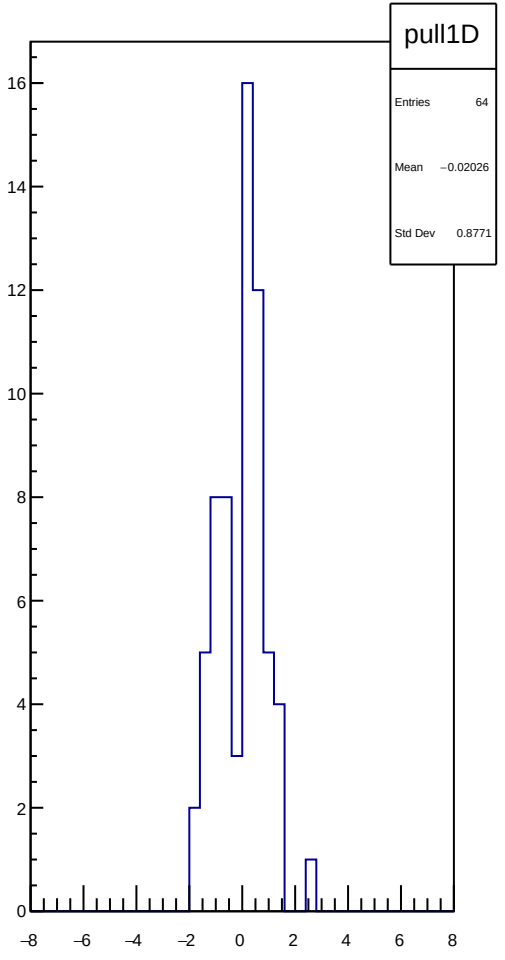

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 38.45 ± 0.03756
140
120
100
80
60
40
20

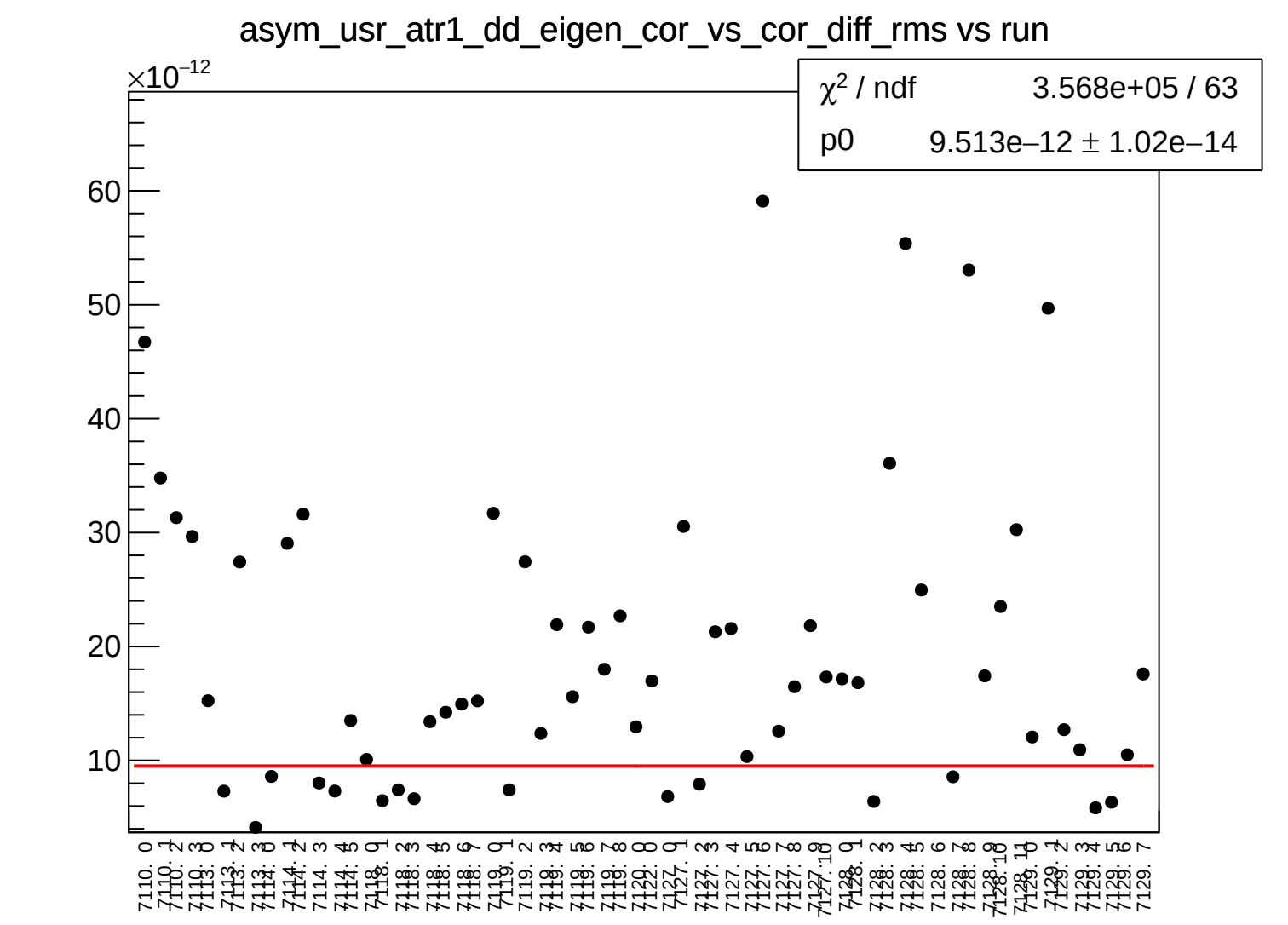

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.25 / 63
p0 0.01235 ± 0.05311
pull
Entries 64
Mean 10.55
Std Dev 0

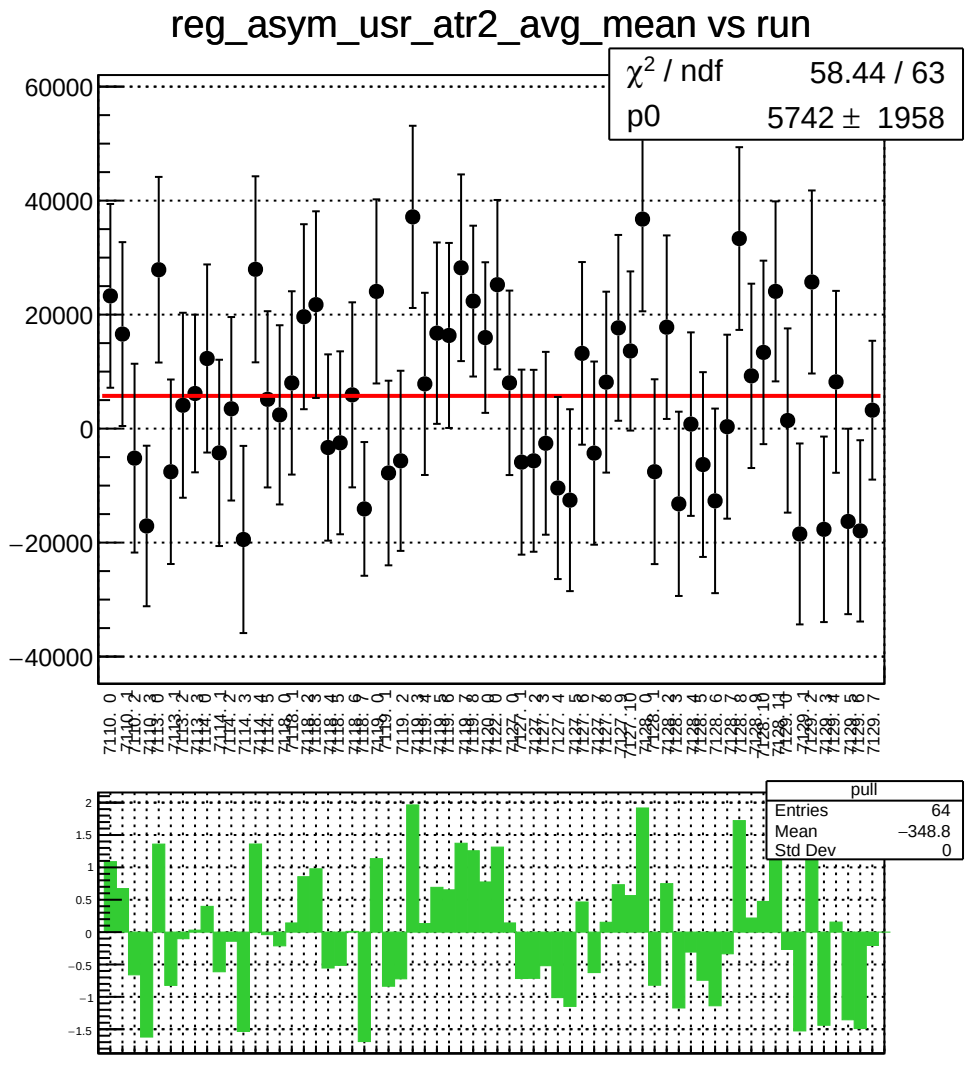

pull1D
Entries 64
Mean −0.03578
Std Dev 0.8117

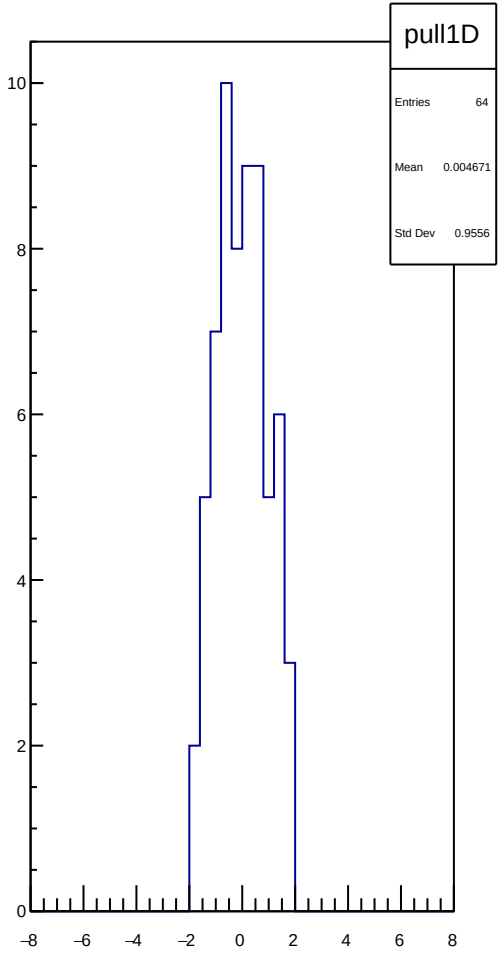

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 38.45 ± 0.03756
140
120
100
80
60
40
20

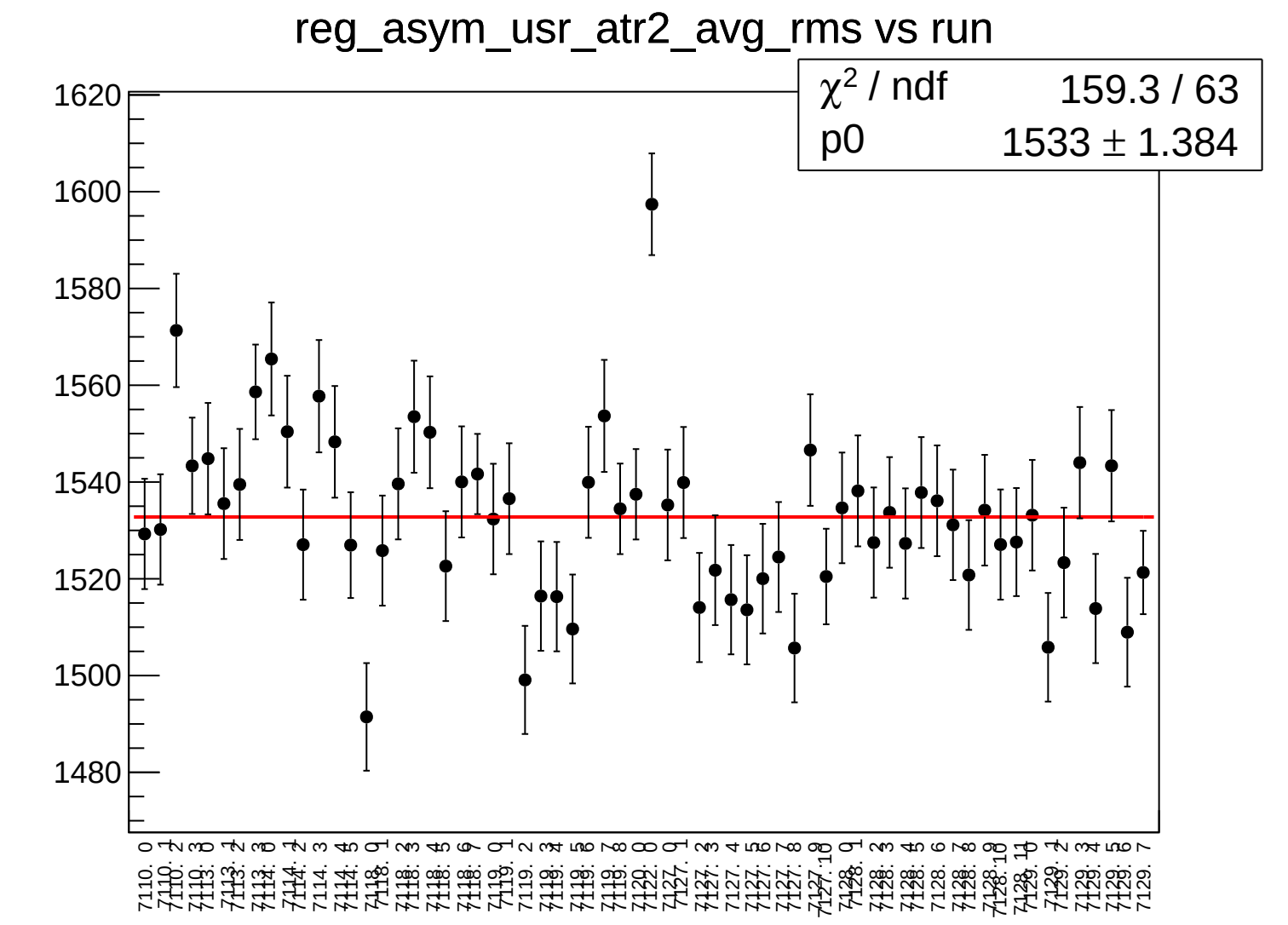

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.27 / 63
p0 −1.374e−14 ± 1.443e−14
pull
Entries 64
Mean 18.54
Std Dev 0

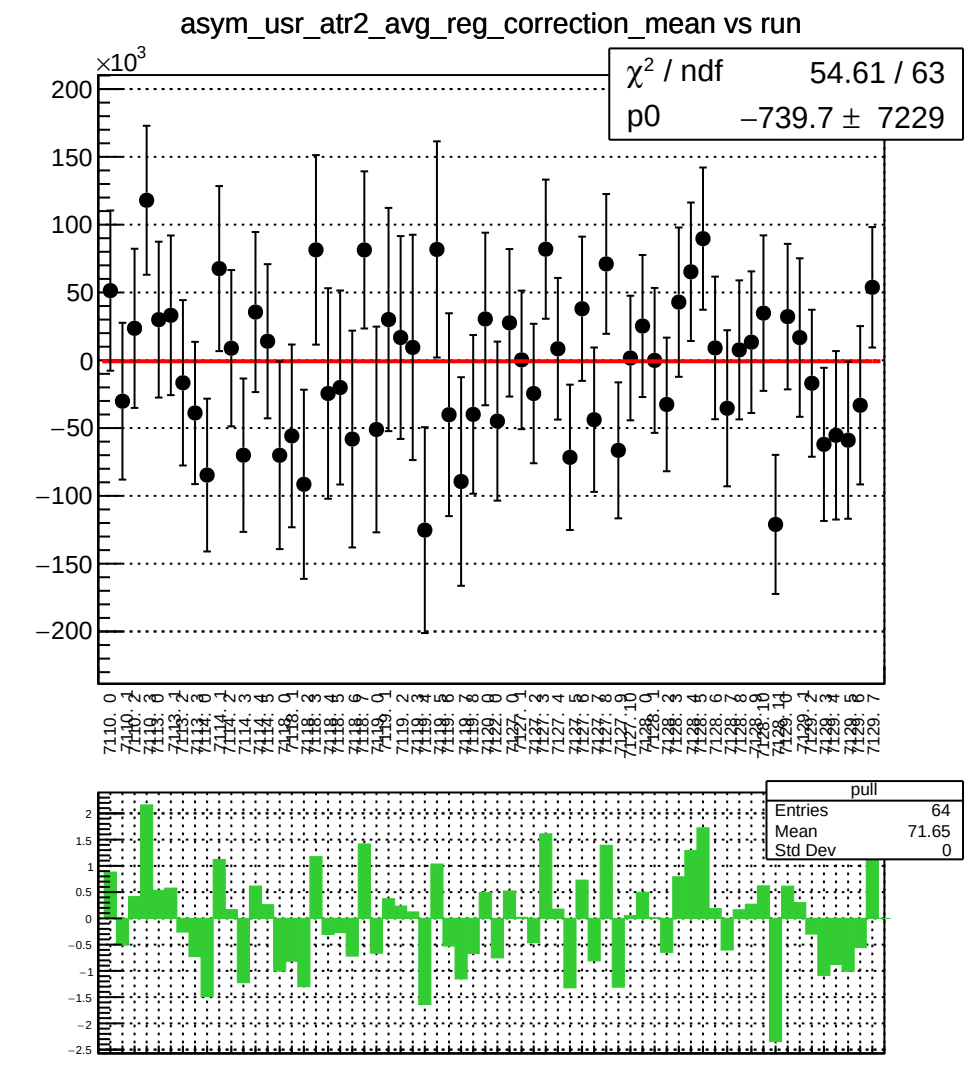

pull1D
Entries 64
Mean −0.02026
Std Dev 0.8771

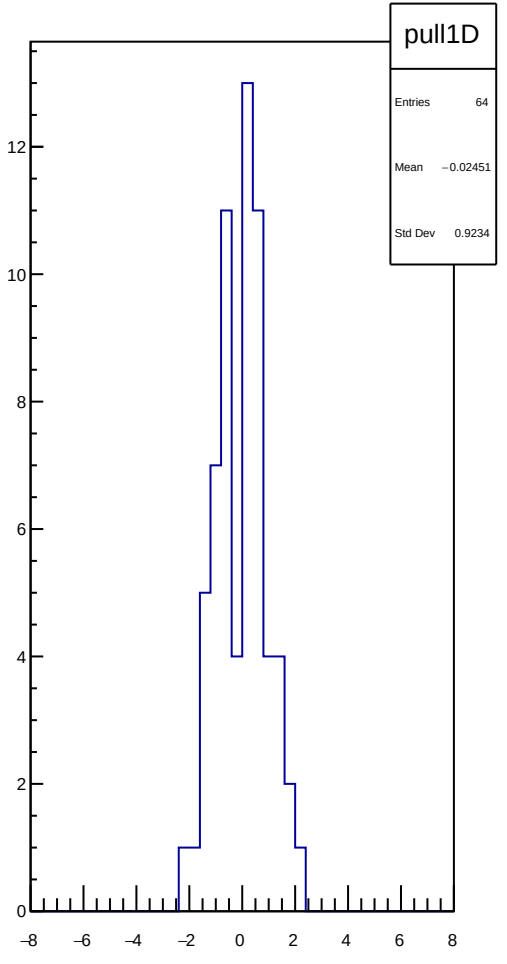

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.568e+05 / 63
p0 9.513e−12 ± 1.02e−14
60
50
40
30
20
10

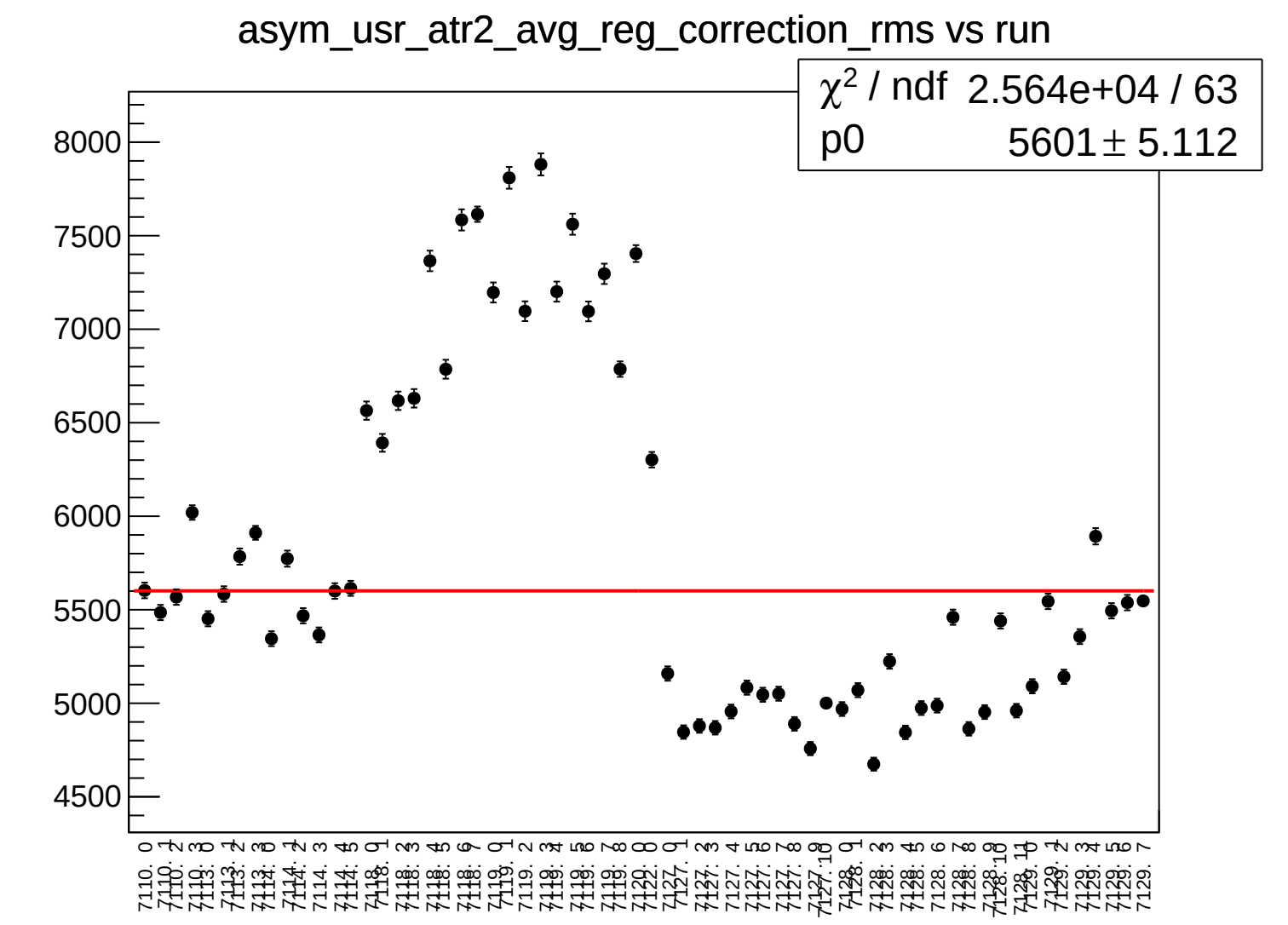

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 58.44 / 63
p0 5742 ± 1958
pull
Entries 64
Mean −348.8
Std Dev 0

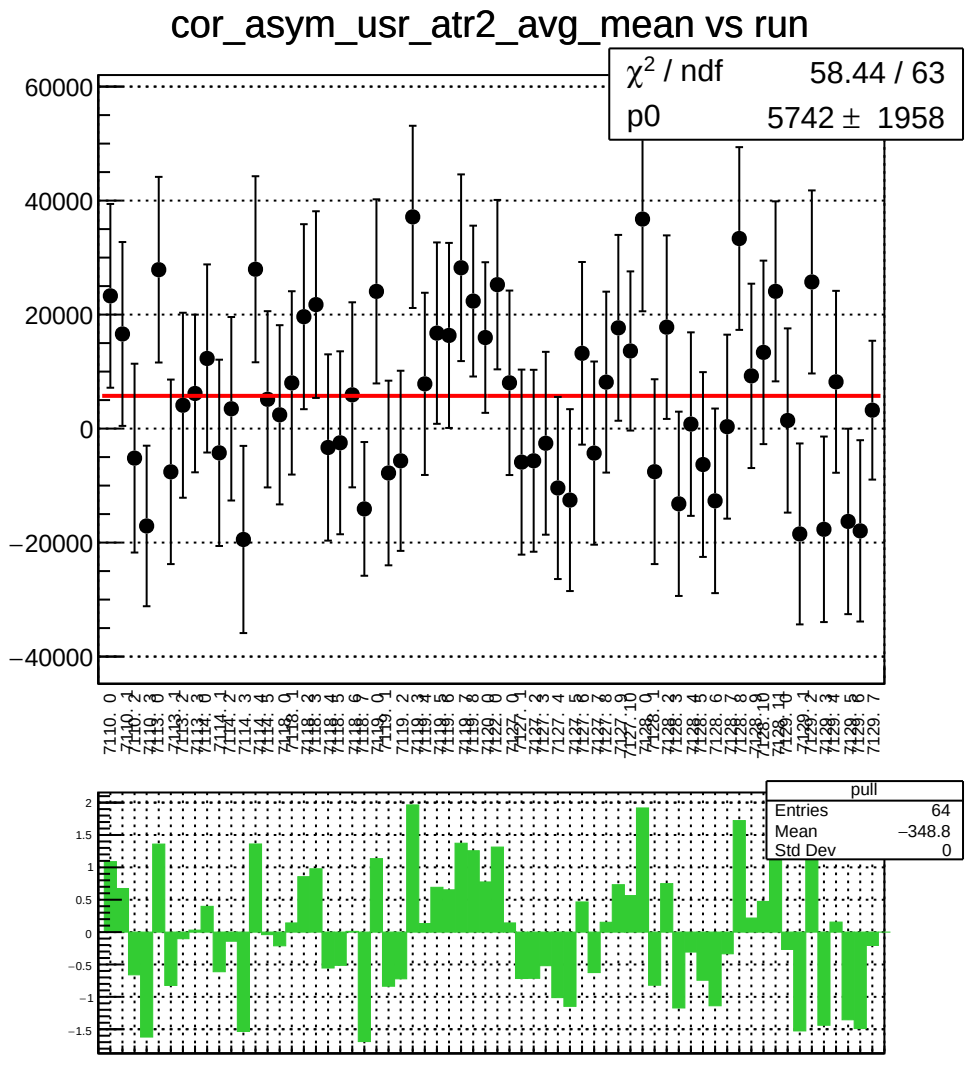

pull1D
Entries 64
Mean 0.004671
Std Dev 0.9556

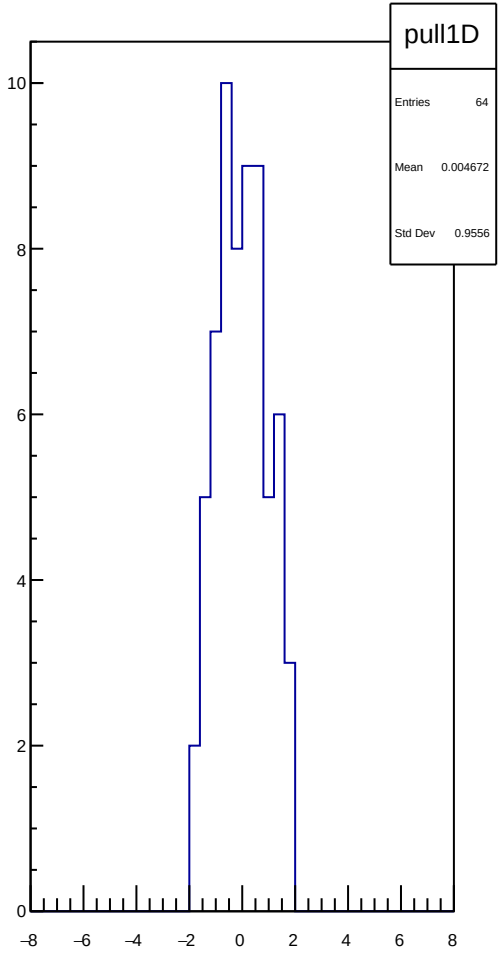

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 159.3 / 63
p0 1533 ± 1.384
1620
1600
1580
1560
1540
1520
1500
1480

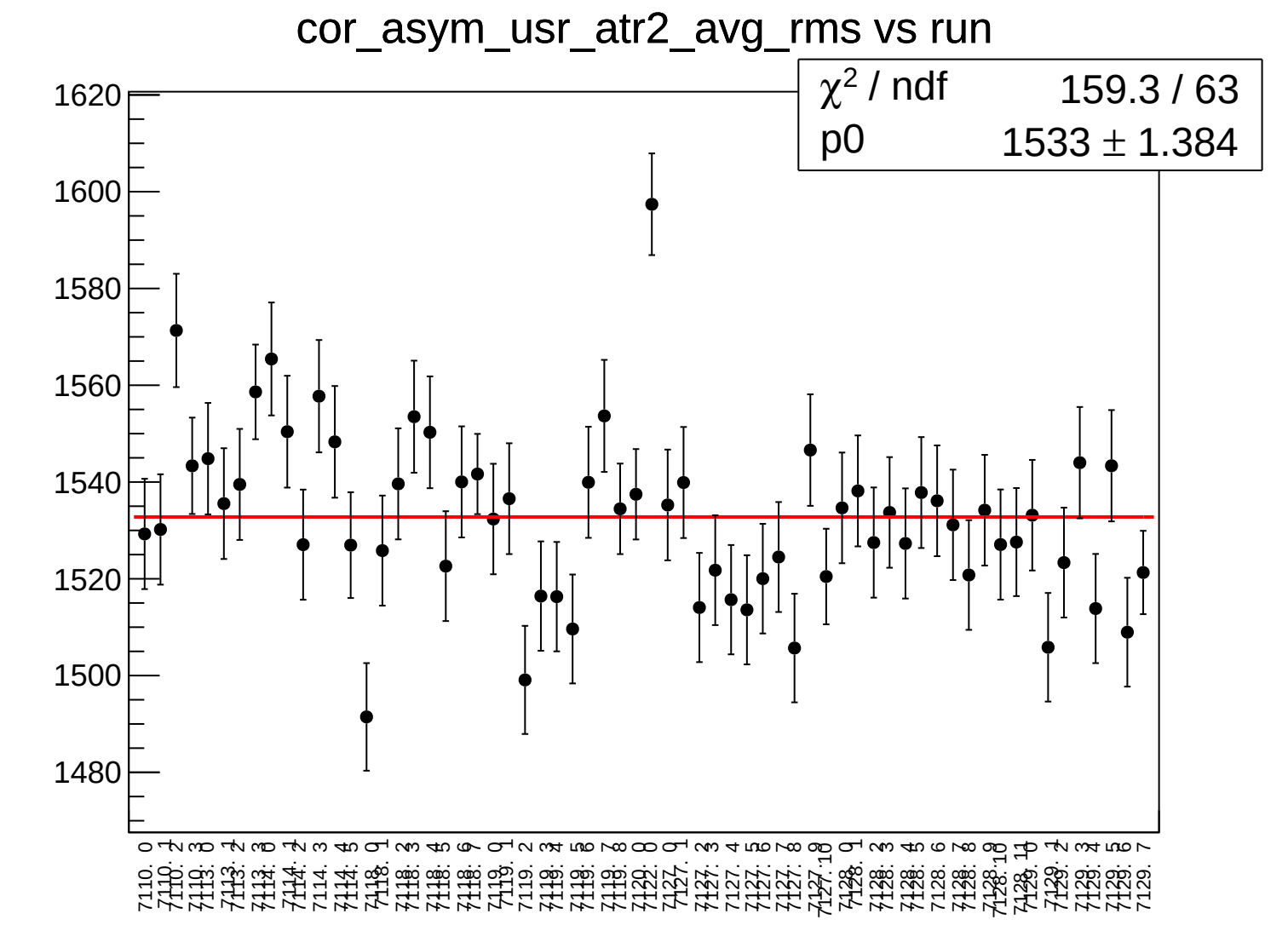

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.61 / 63
p0 −739.7 ± 7229
pull
Entries 64
Mean 71.65
Std Dev 0

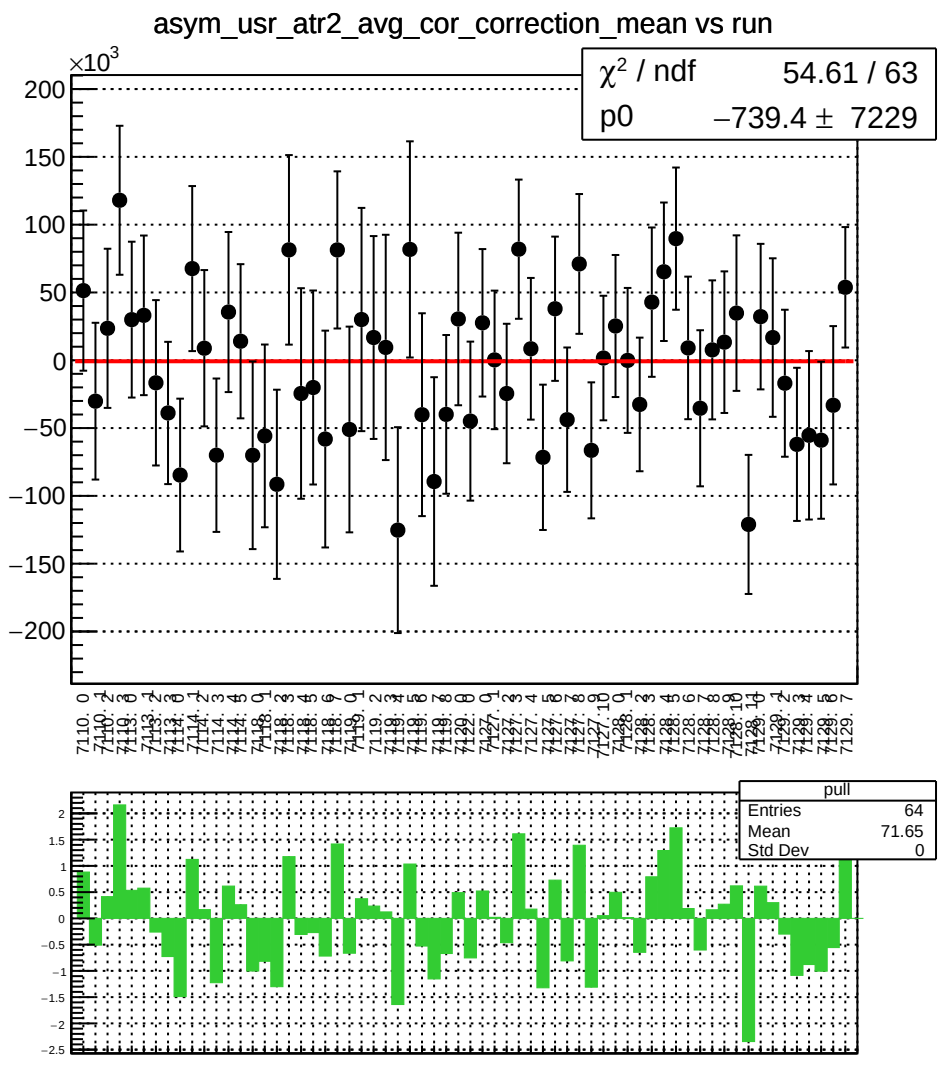

pull1D
Entries 64
Mean −0.02451
Std Dev 0.9234

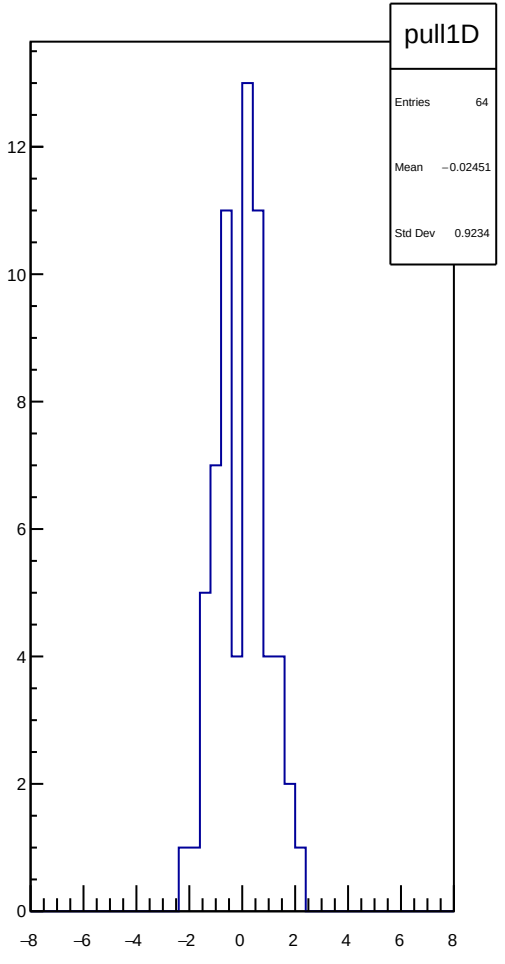

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2.564e+04 / 63
p0 5601 ± 5.112
8000
7500
7000
6500
6000
5500
5000
4500

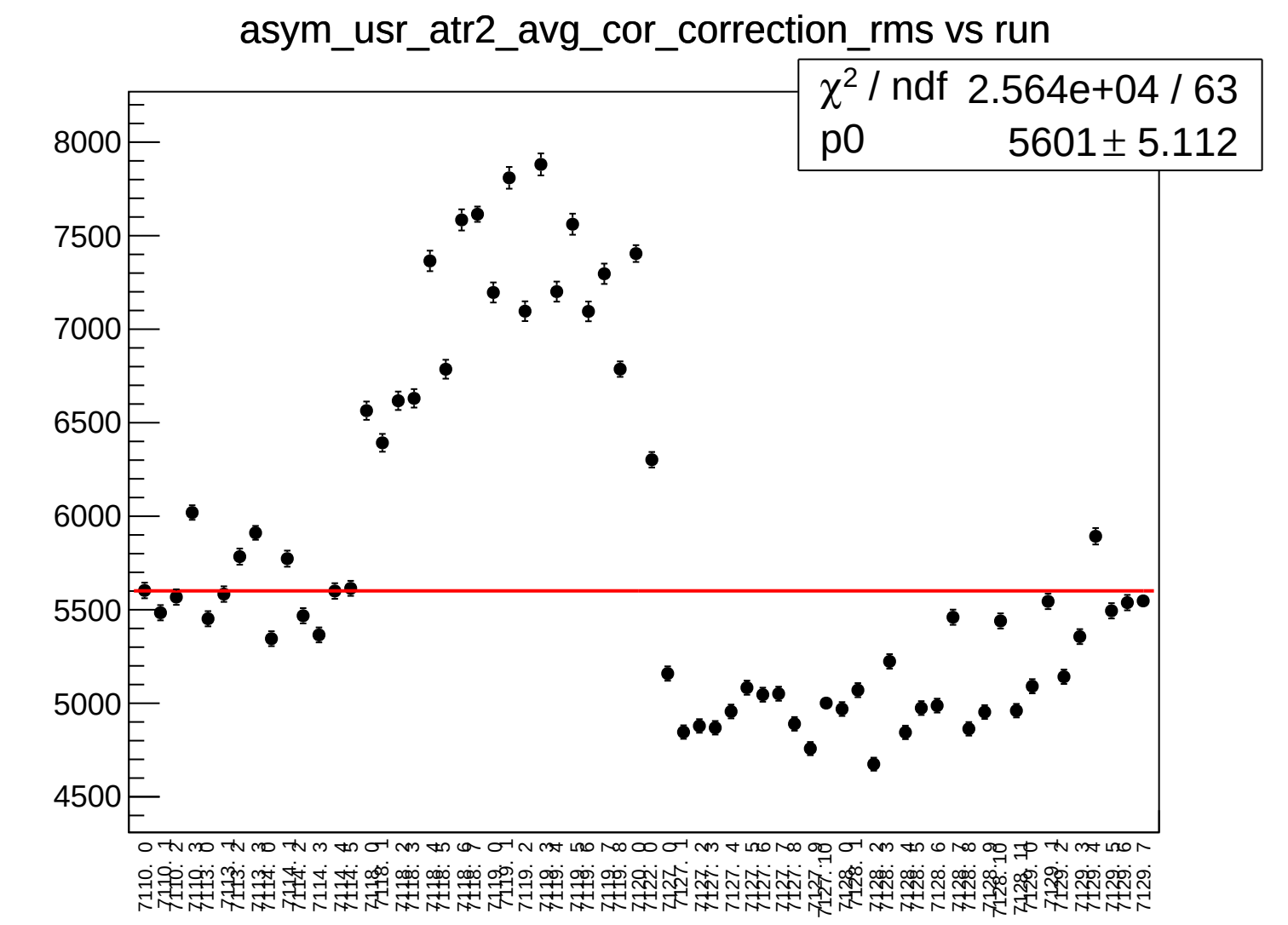

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 58.44 / 63
p0 5742 ± 1958
pull
Entries 64
Mean −348.8
Std Dev 0

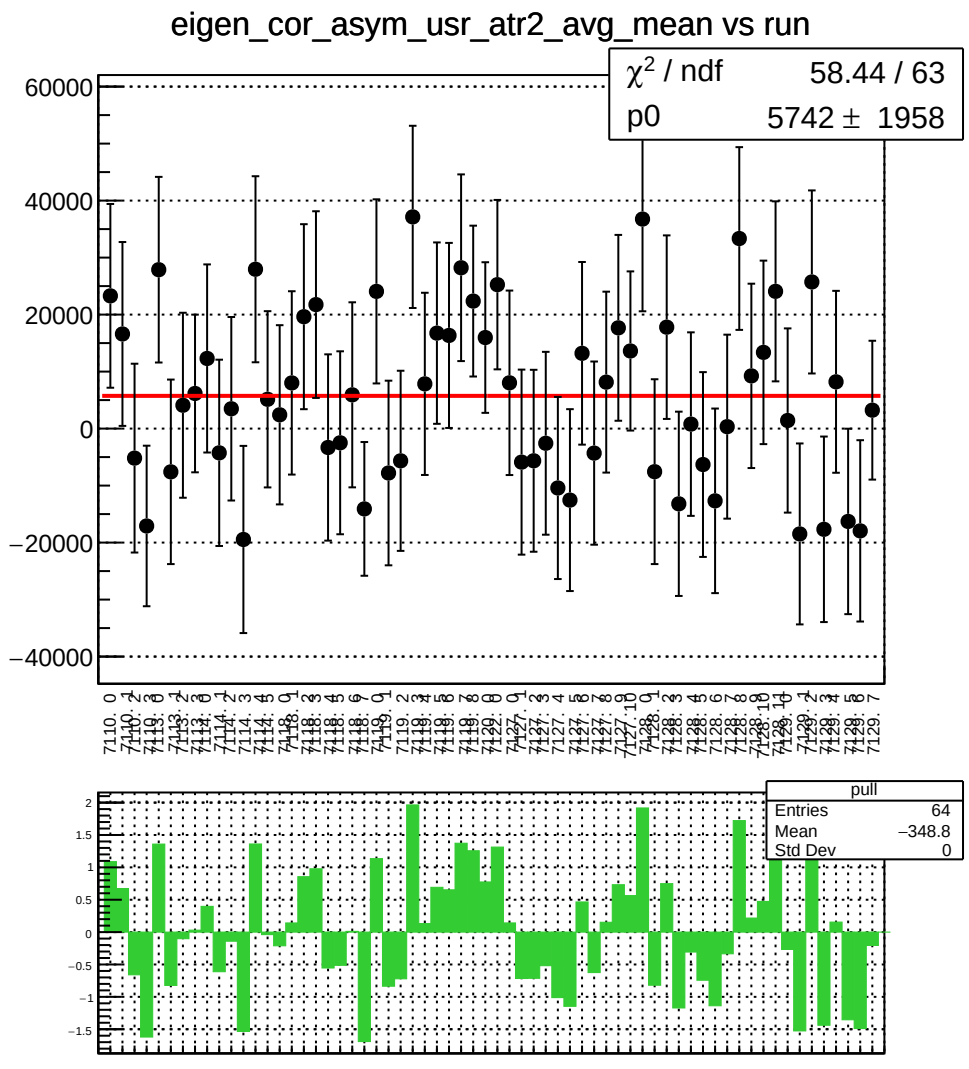

pull1D
Entries 64
Mean 0.004672
Std Dev 0.9556

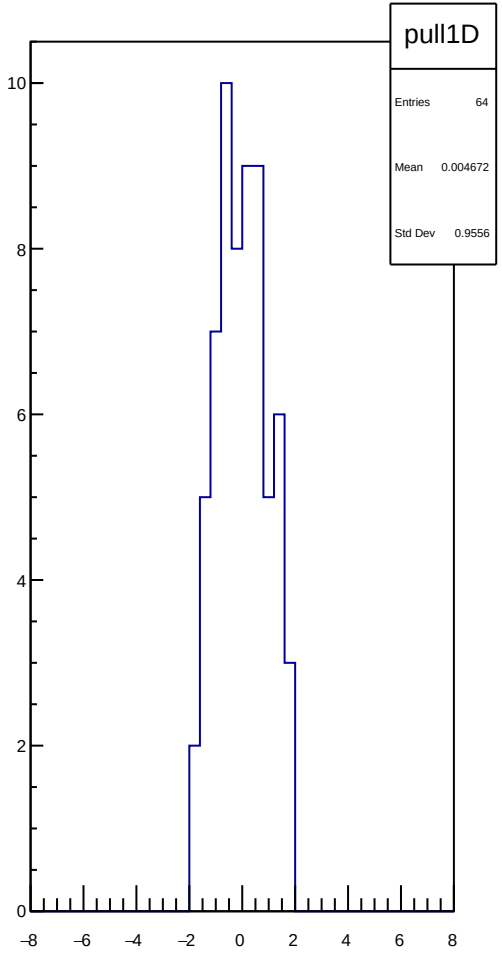

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 159.3 / 63
p0 1533 ± 1.384
1620
1600
1580
1560
1540
1520
1500
1480

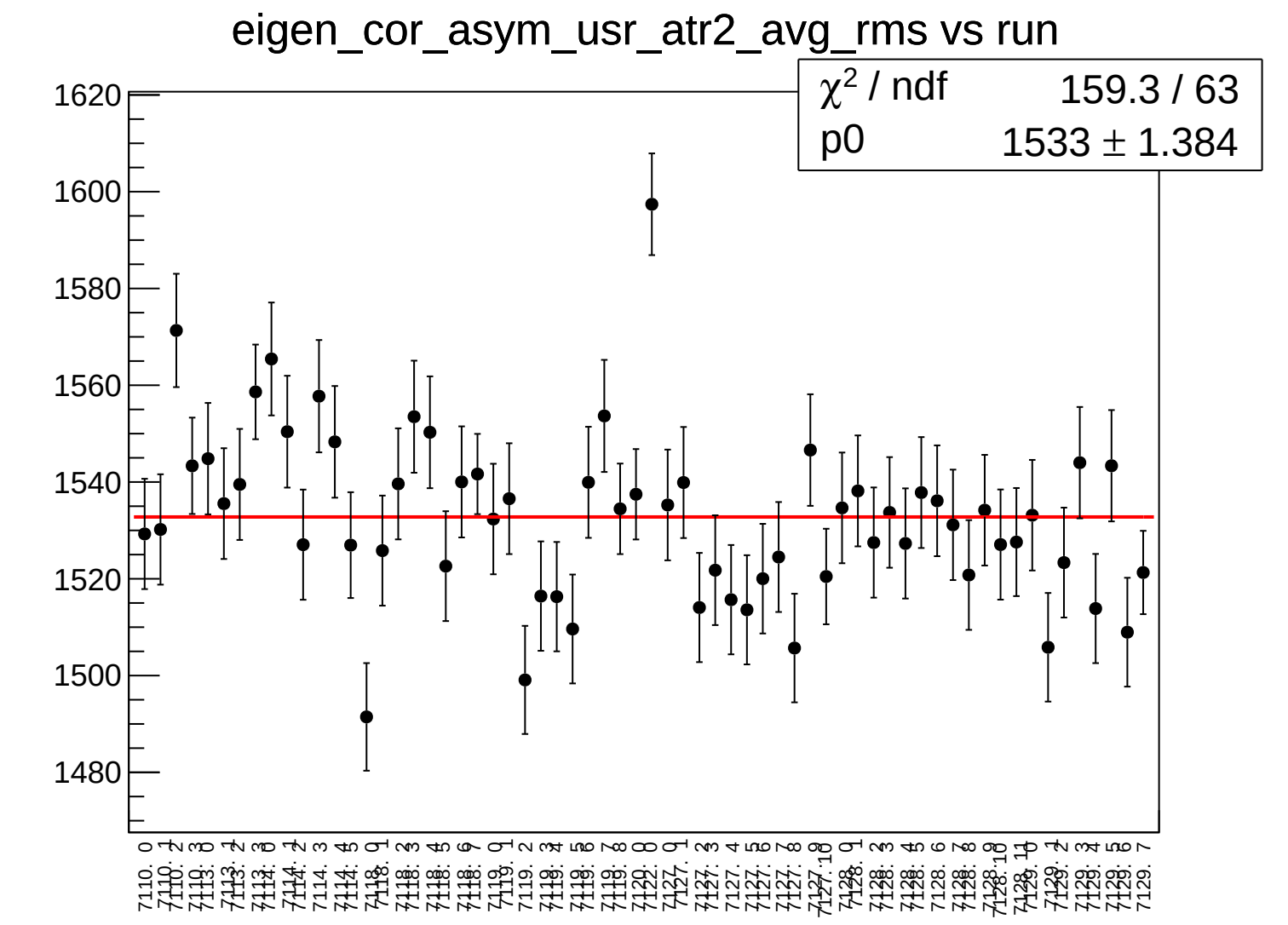

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.61 / 63
p0 −739.4 ± 7229
pull
Entries 64
Mean 71.65
Std Dev 0

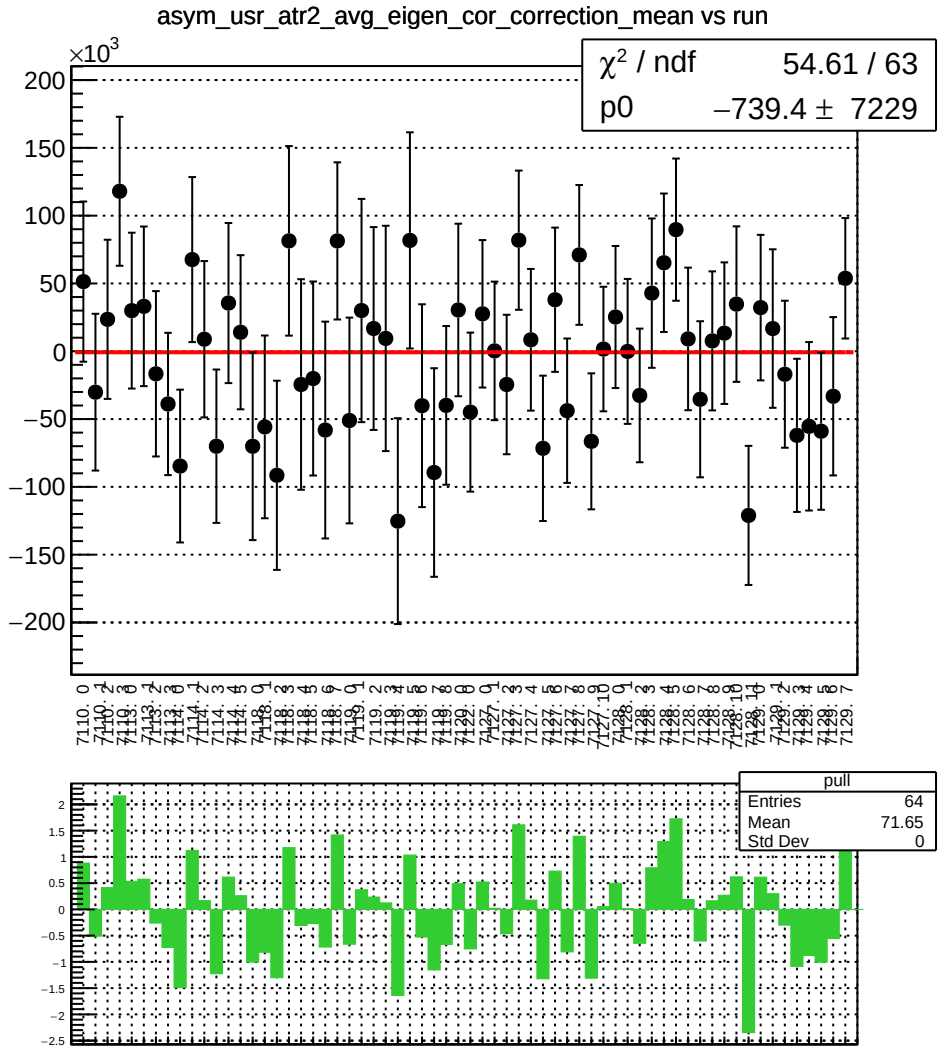

pull1D
Entries 64
Mean −0.02451
Std Dev 0.9234

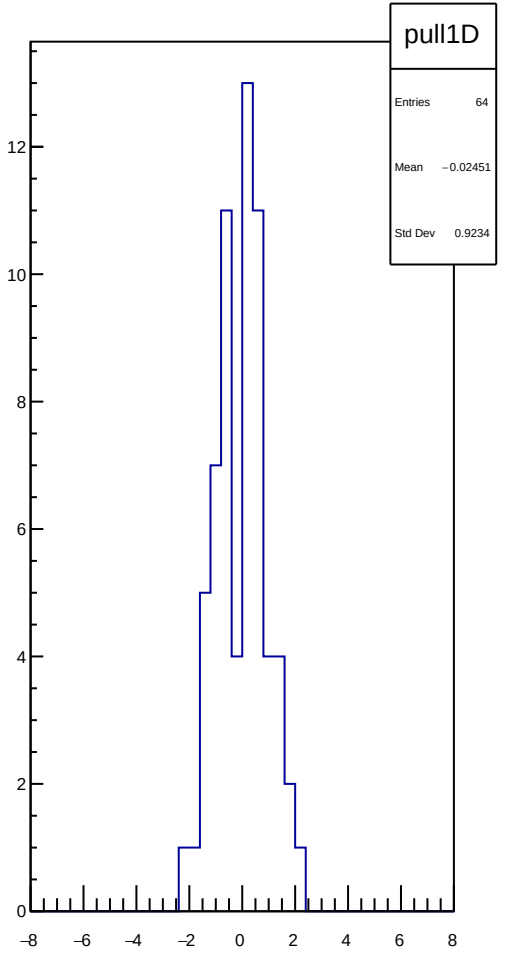

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2.564e+04 / 63
p0 5601 ± 5.112
8000
7500
7000
6500
6000
5500
5000
4500

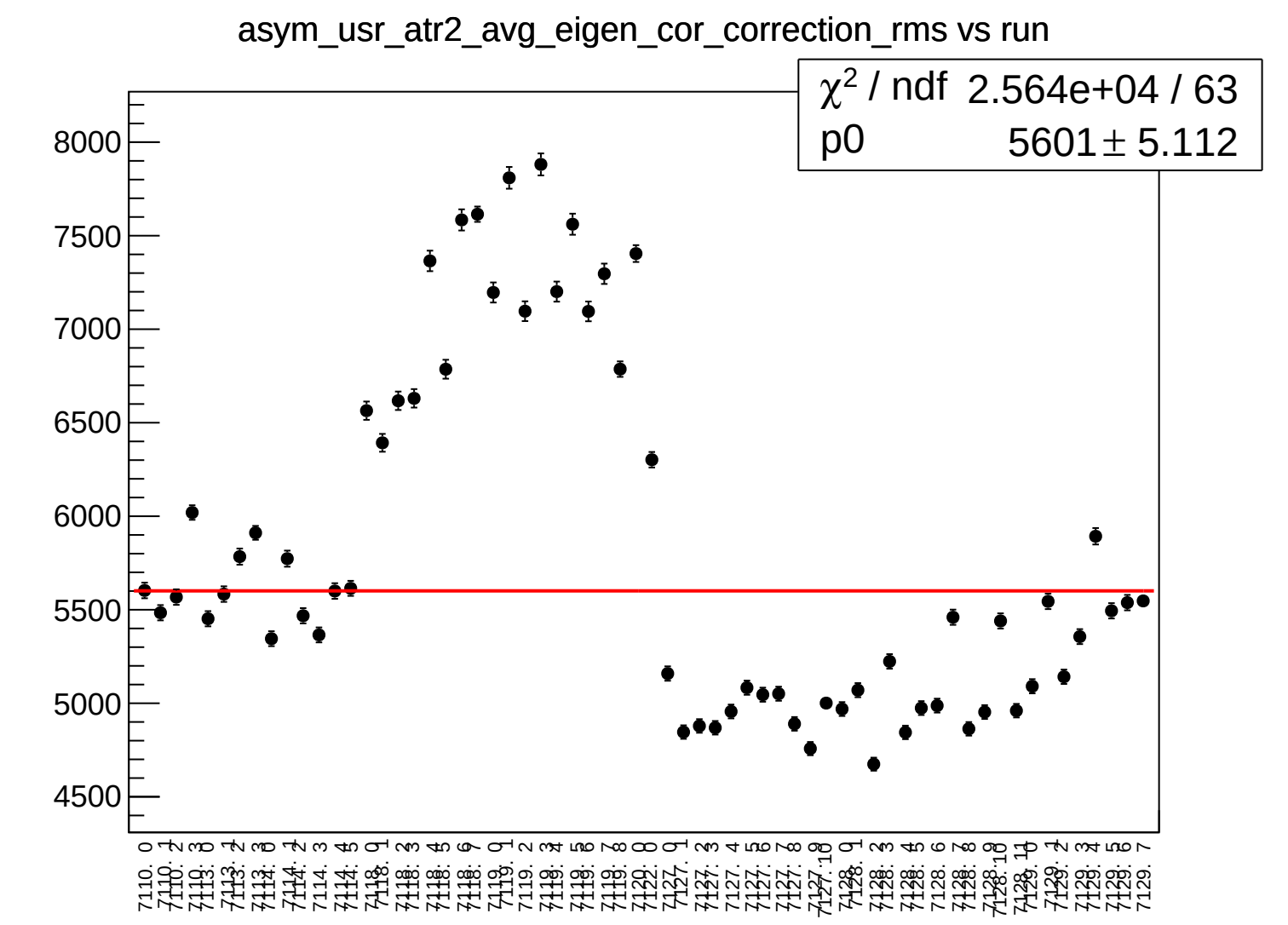

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 58.44 / 63
p0 5742 ± 1958
pull
Entries 64
Mean −348.8
Std Dev 0

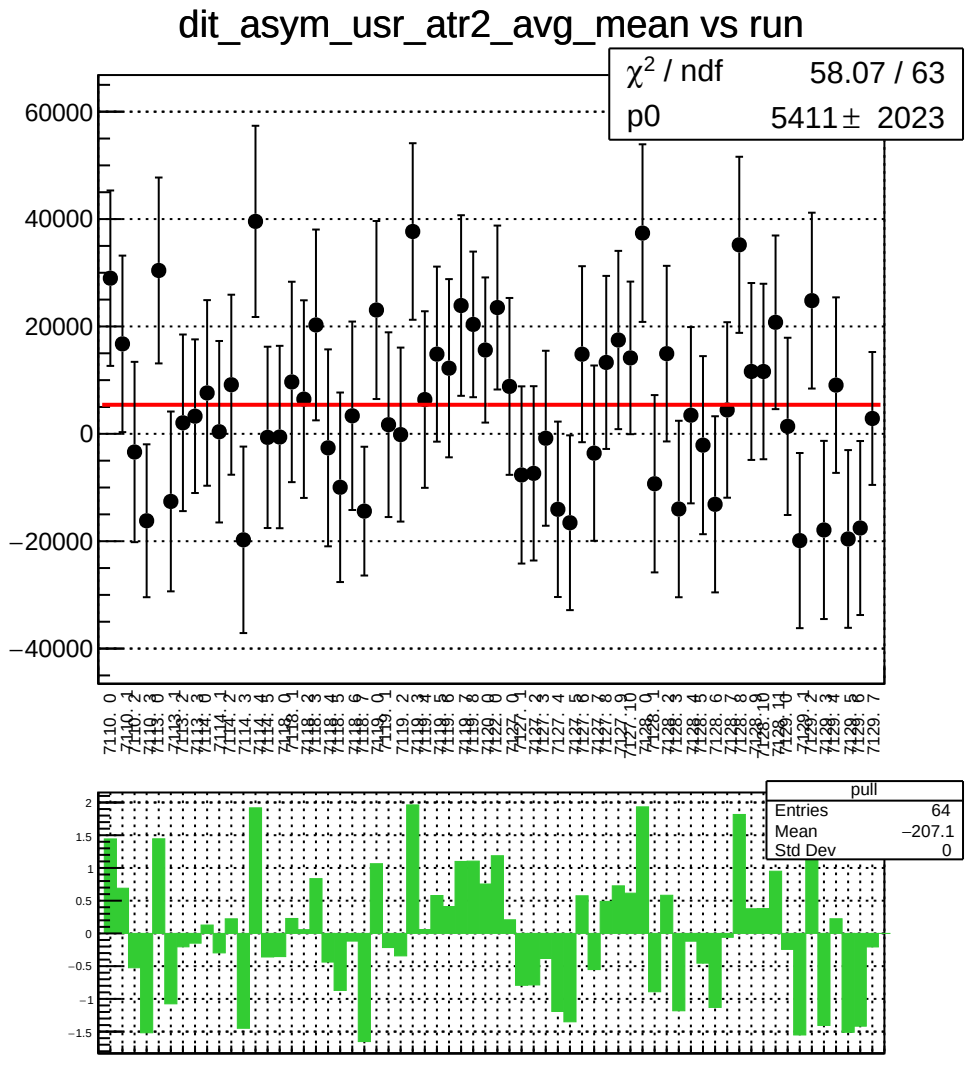

pull1D
Entries 64
Mean 0.004672
Std Dev 0.9556

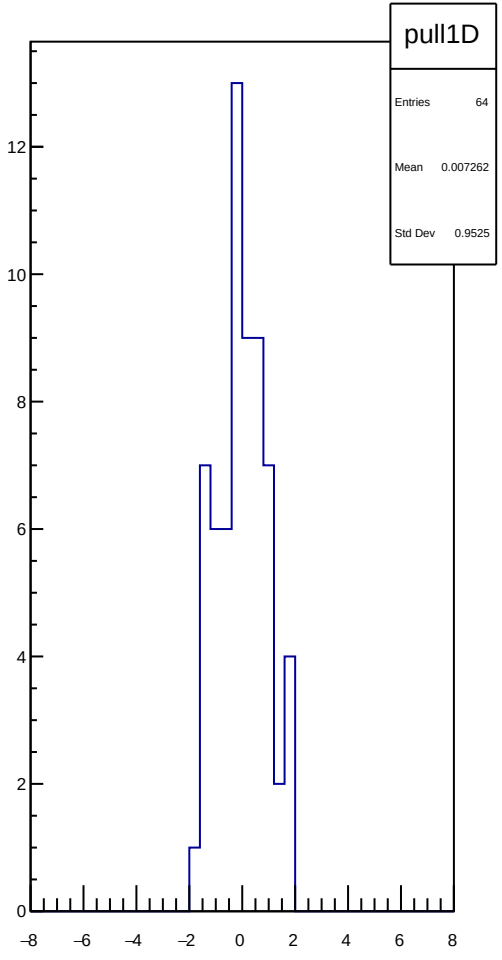

eigen_cor_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 159.3 / 63
p0 1533 ± 1.384
1620
1600
1580
1560
1540
1520
1500
1480

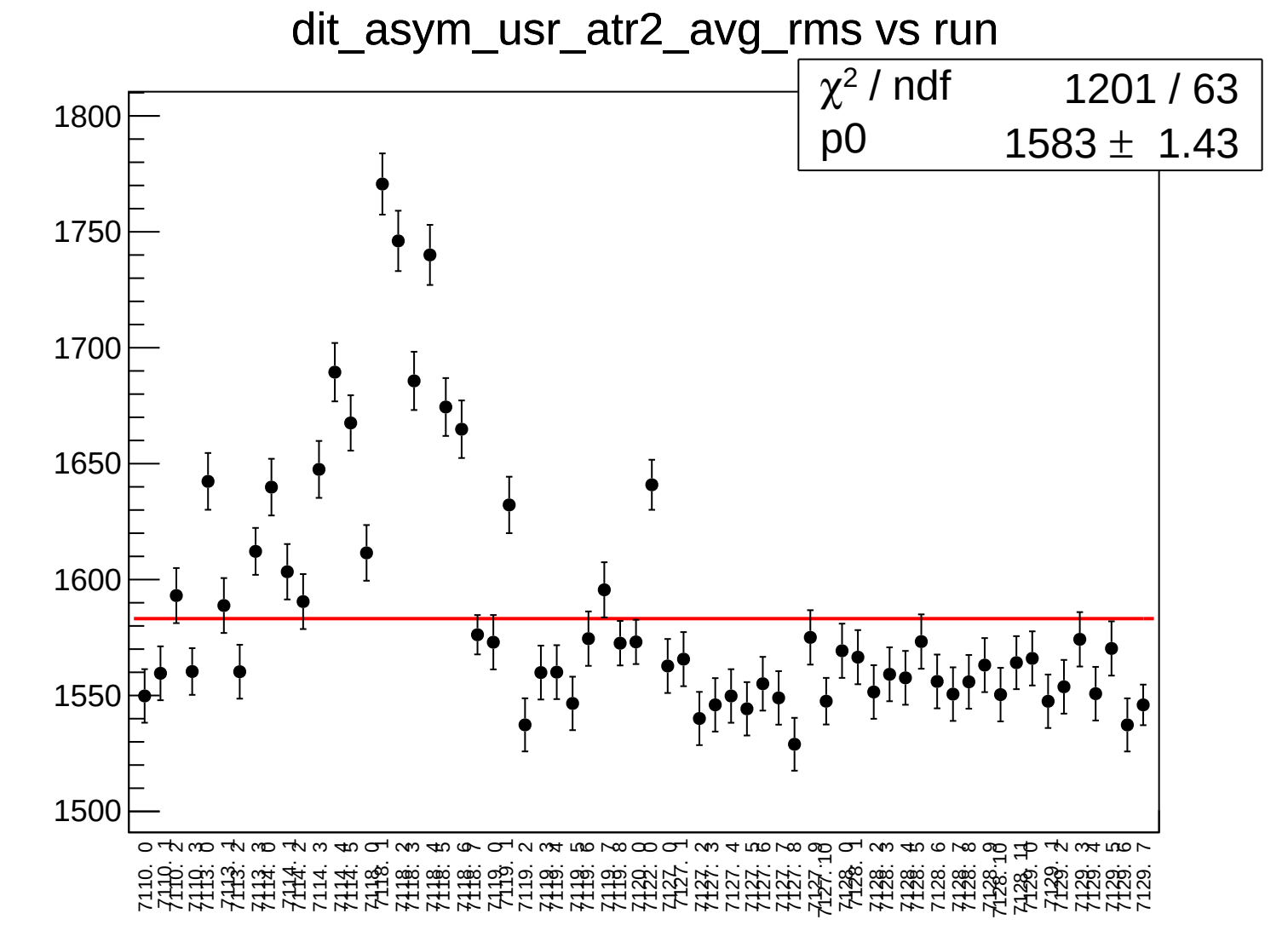

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.61 / 63
p0 −739.4 ± 7229
pull
Entries 64
Mean 71.65
Std Dev 0

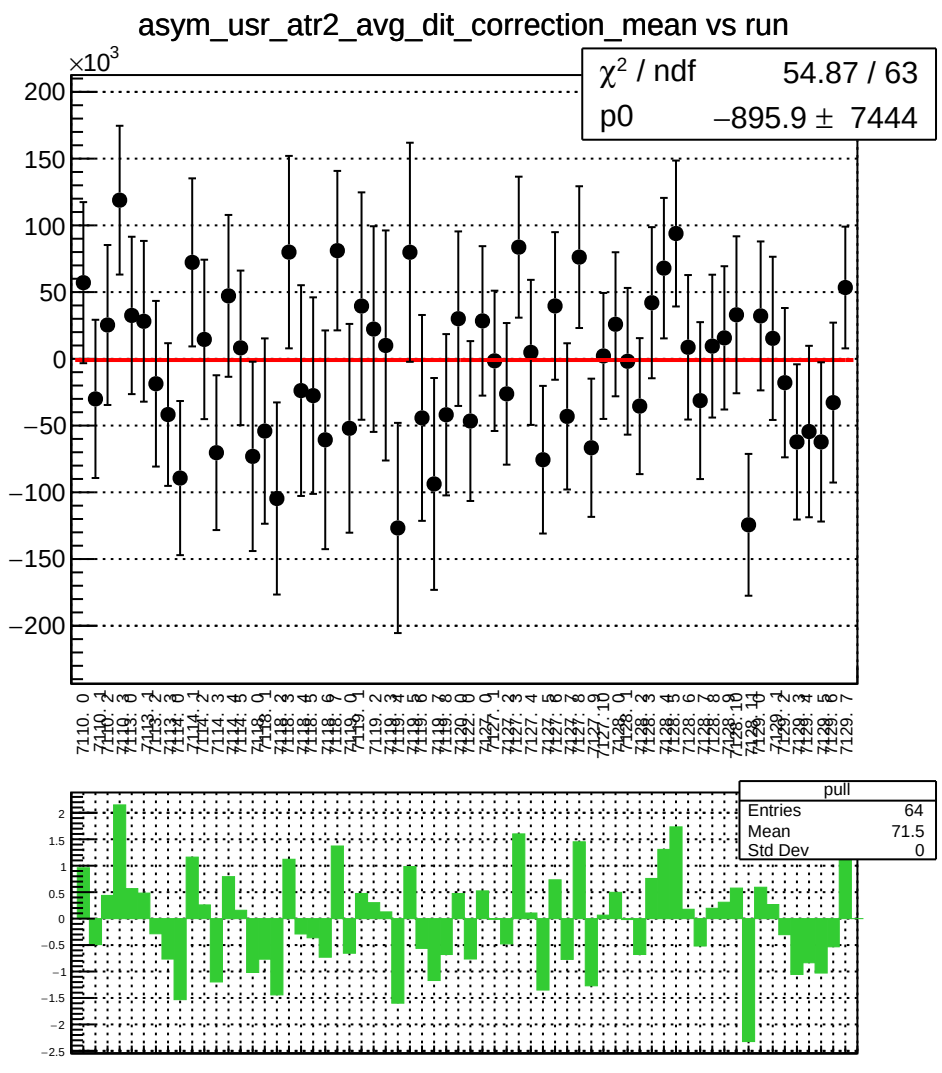

pull1D
Entries 64
Mean −0.02451
Std Dev 0.9234

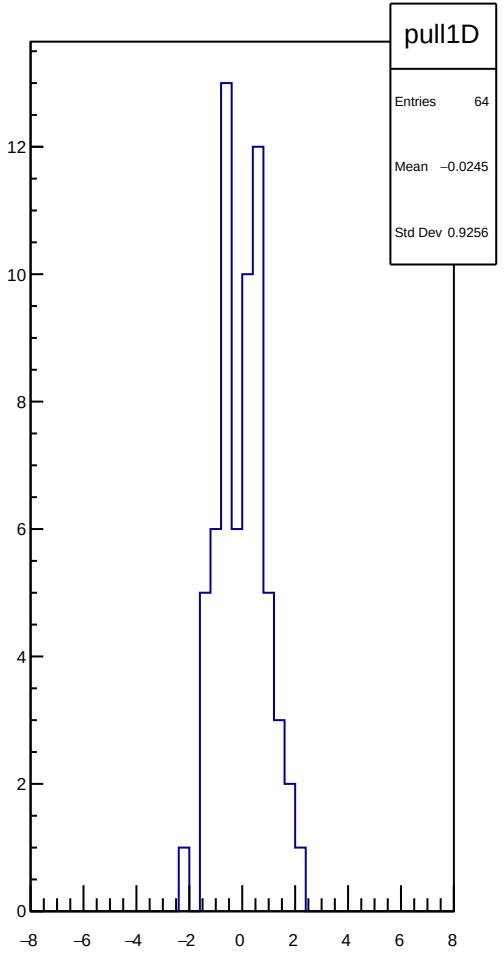

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.564e+04 / 63
p0 5601 ± 5.112
8000
7500
7000
6500
6000
5500
5000
4500

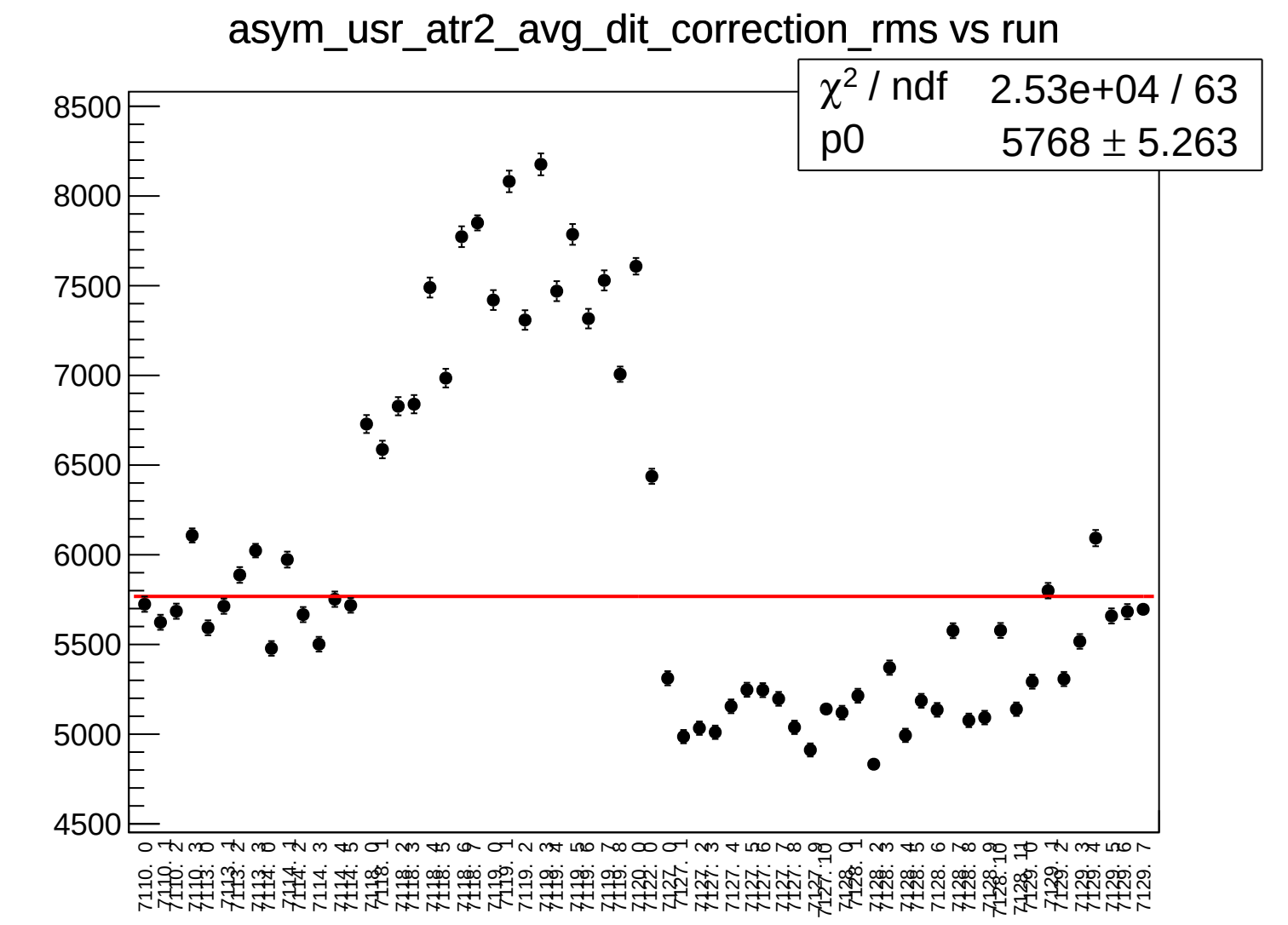

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 58.07 / 63
p0 5411 ± 2023
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −207.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

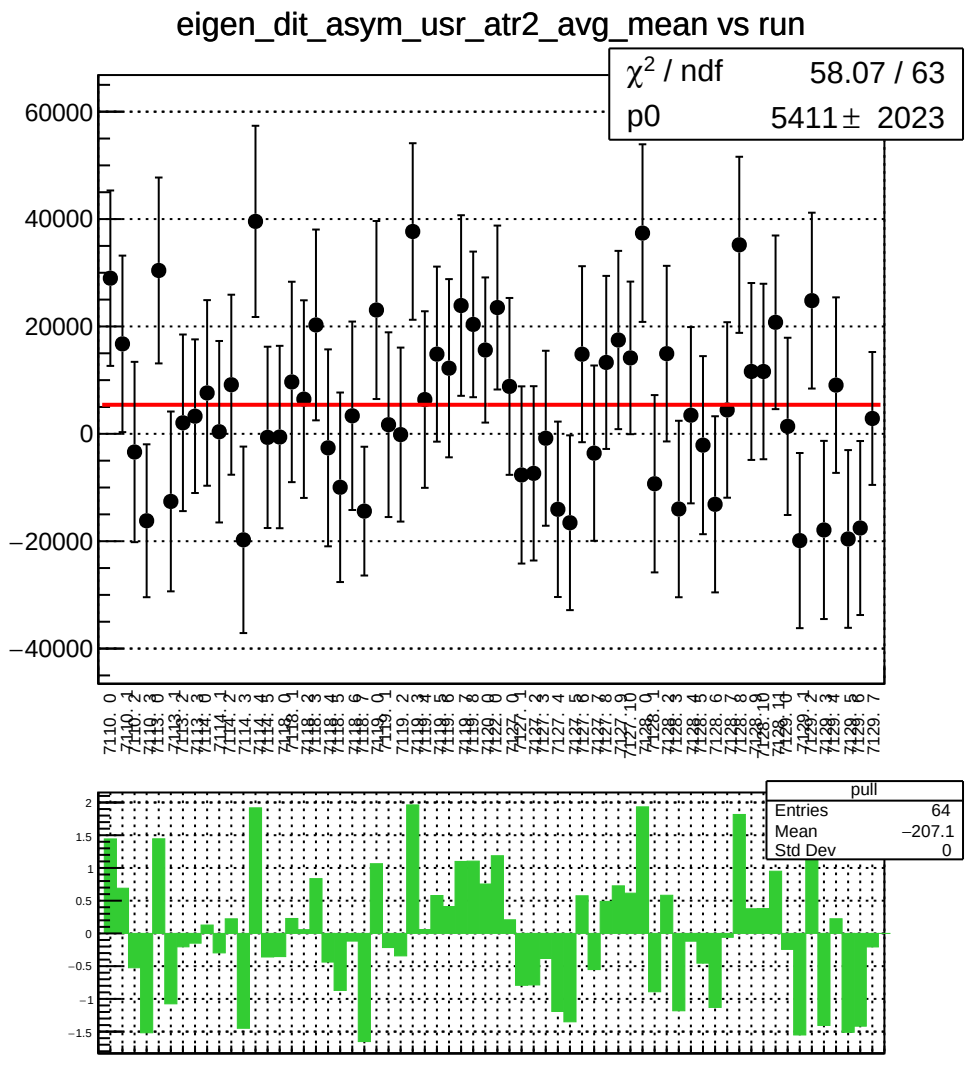

pull1D
Entries 64
Mean 0.007262
Std Dev 0.9525
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

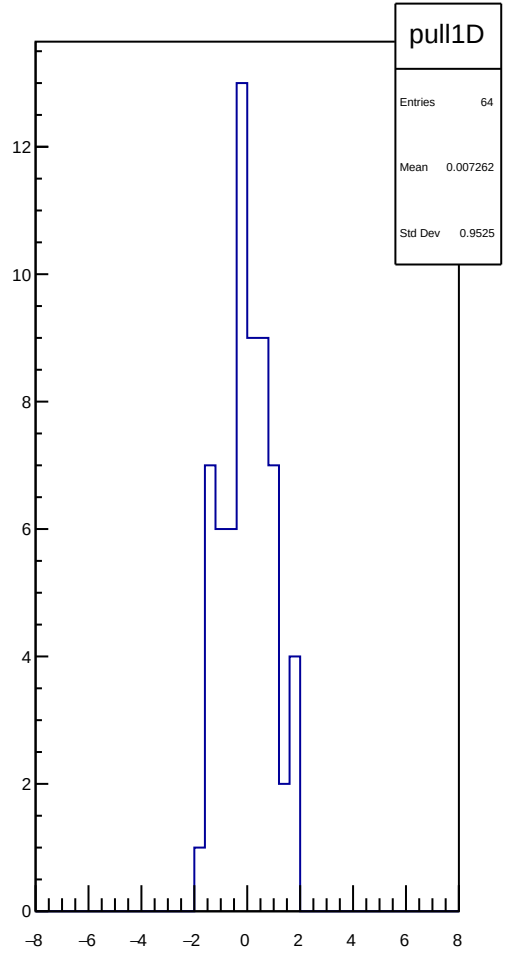

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 1201 / 63
p0 1583 ± 1.43
1800
1750
1700
1650
1600
1550
1500

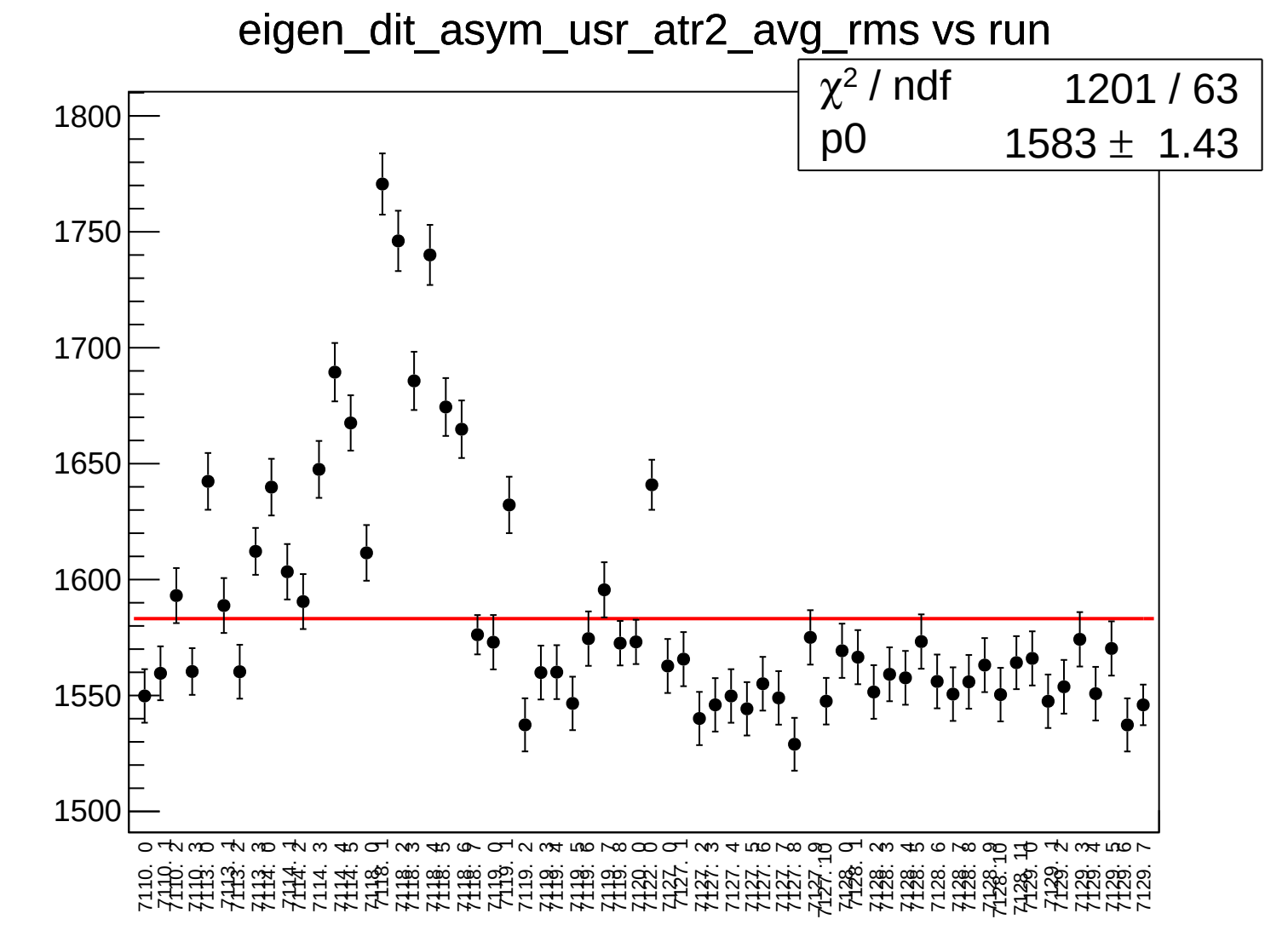

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 54.87 / 63
p0 −895.9 ± 7444
pull
Entries 64
Mean 71.5
Std Dev 0

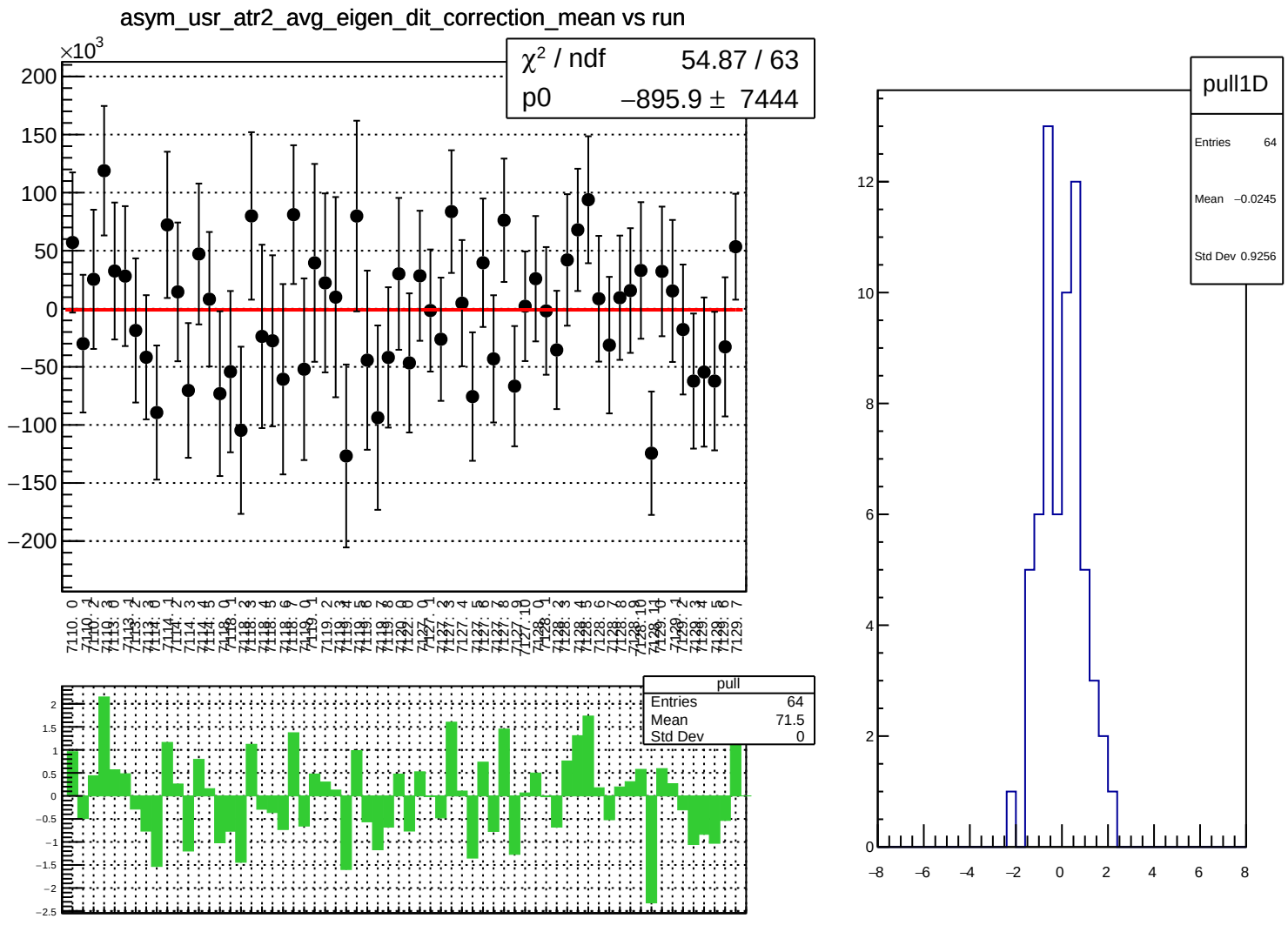

pull1D
Entries 64
Mean −0.0245
Std Dev 0.9256

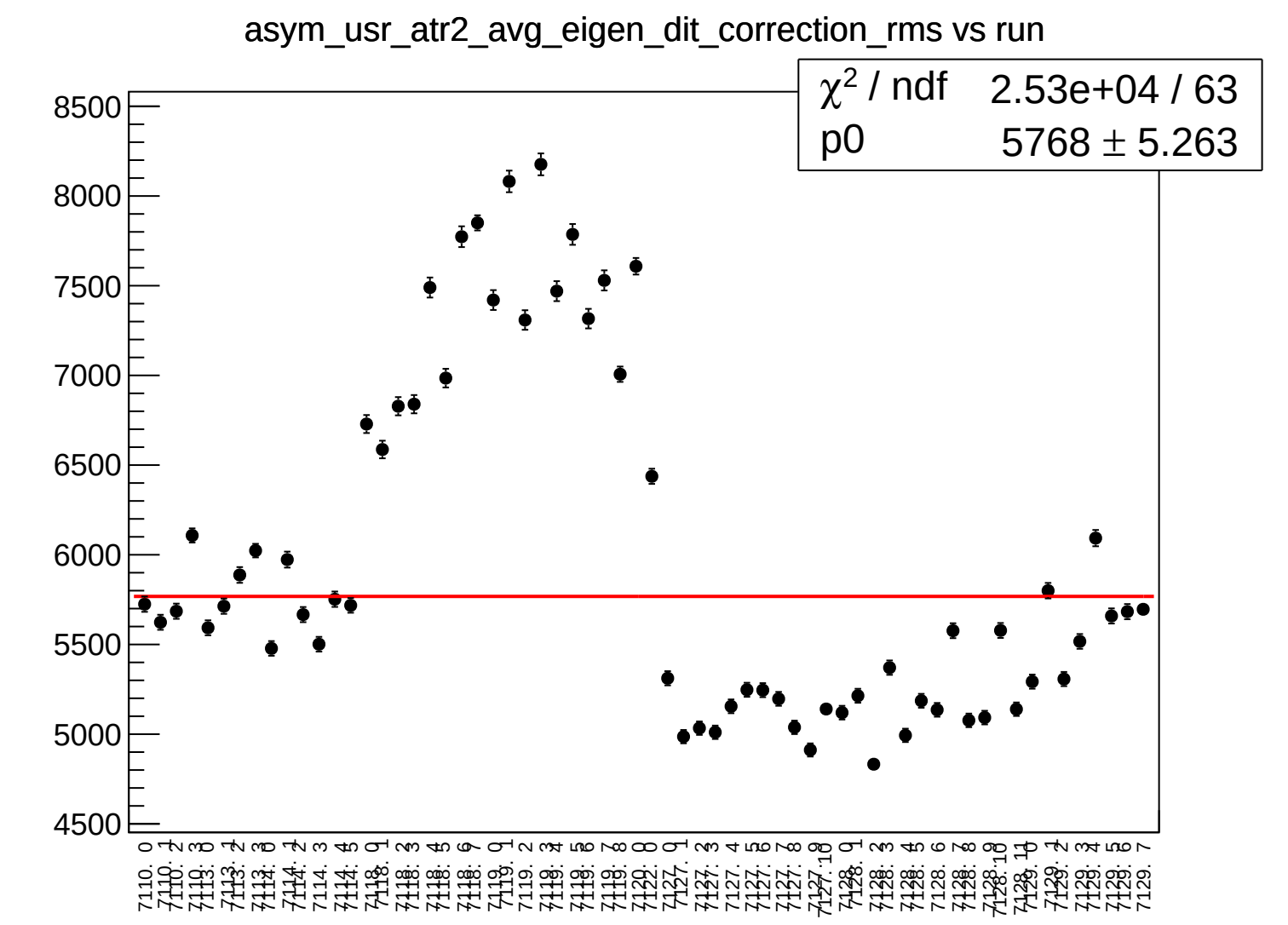

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 2.53e+04 / 63
p0 5768 ± 5.263
8500
8000
7500
7000
6500
6000
5500
5000
4500

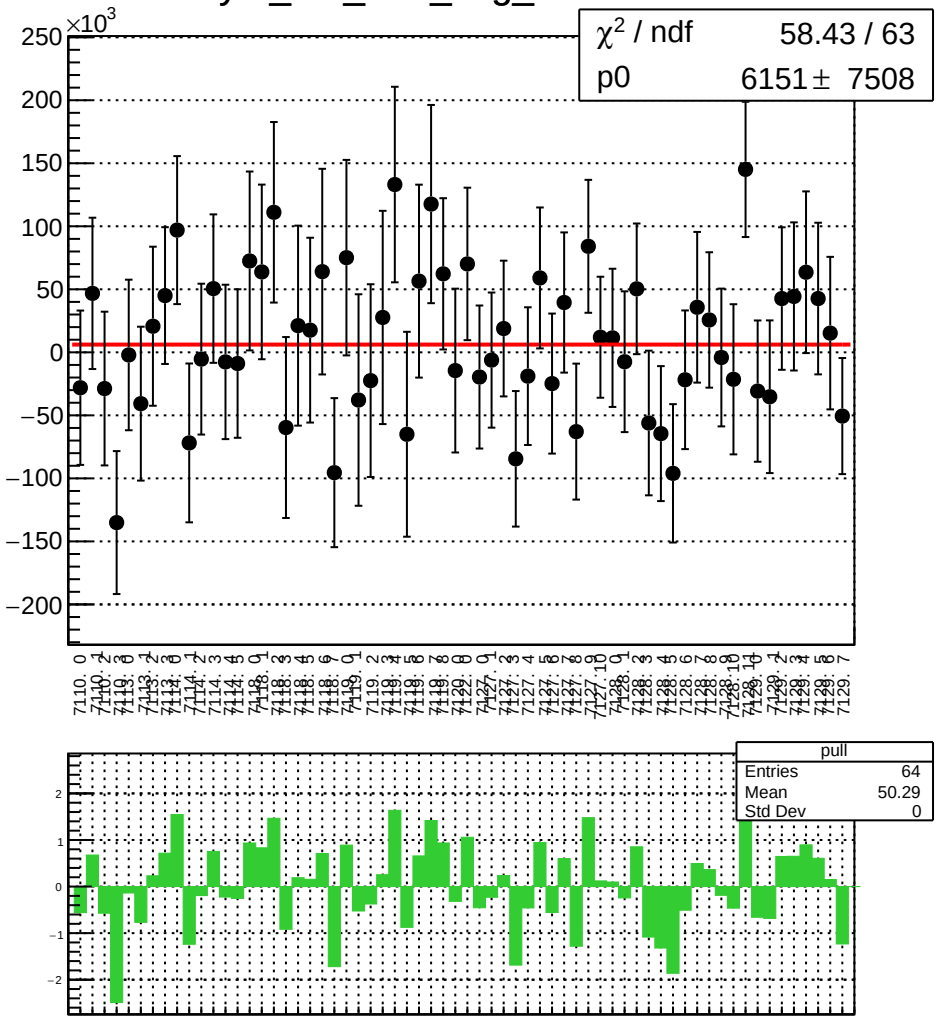

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 58.07 / 63
p0 5411 ± 2023
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −207.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

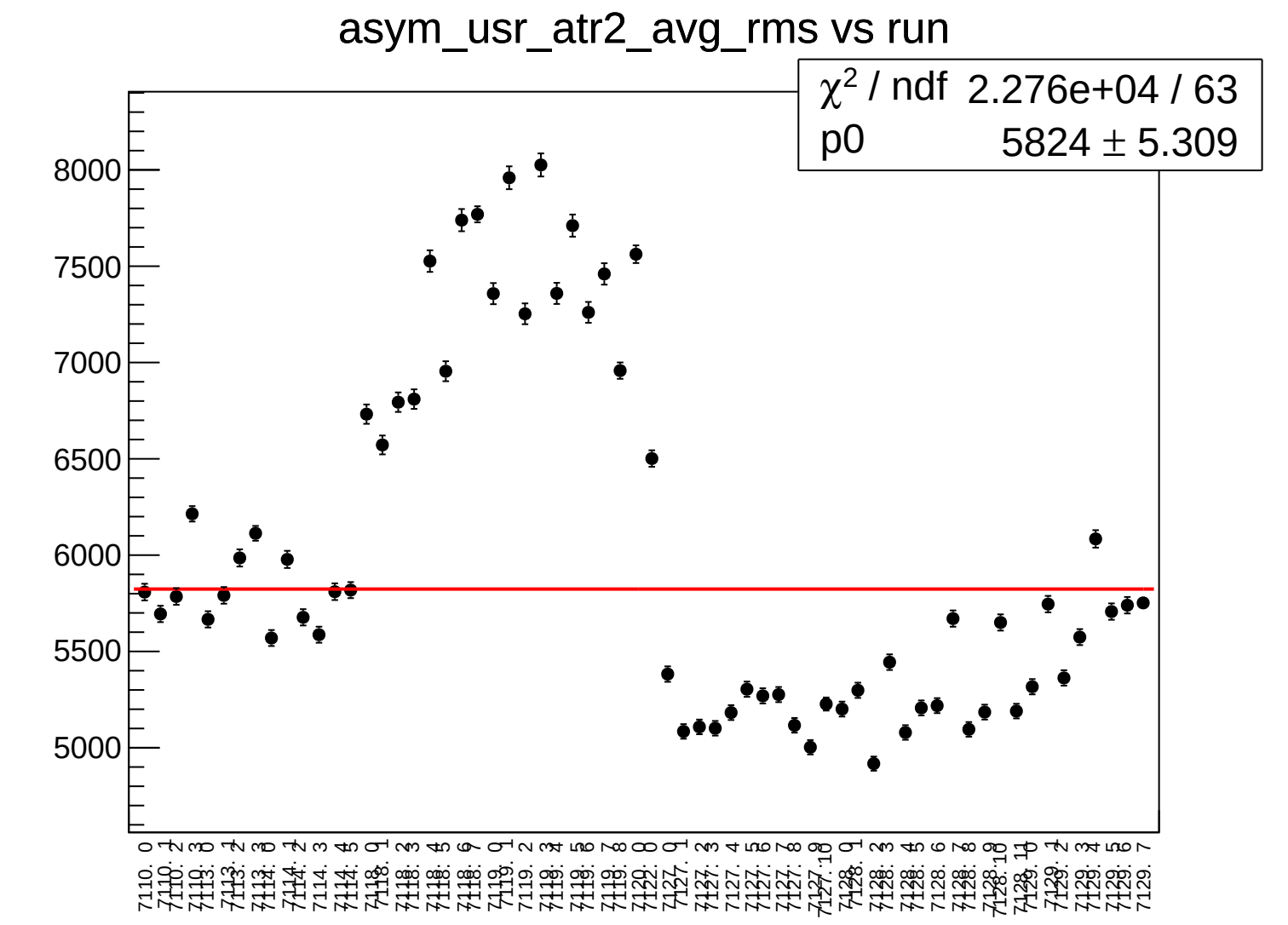

pull1D
Entries 64
Mean 0.007262
Std Dev 0.9525
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

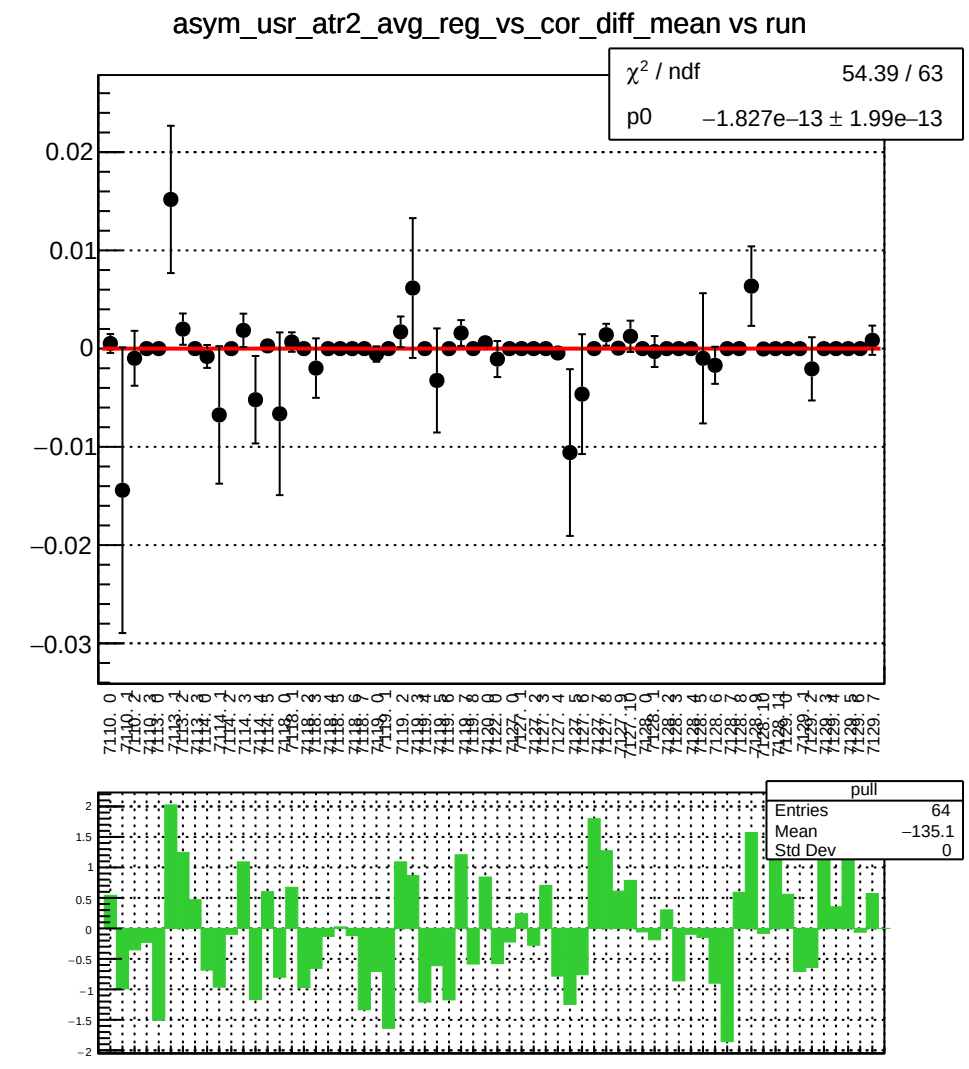

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 1201 / 63
p0 1583 ± 1.43
1800
1750
1700
1650
1600
1550
1500

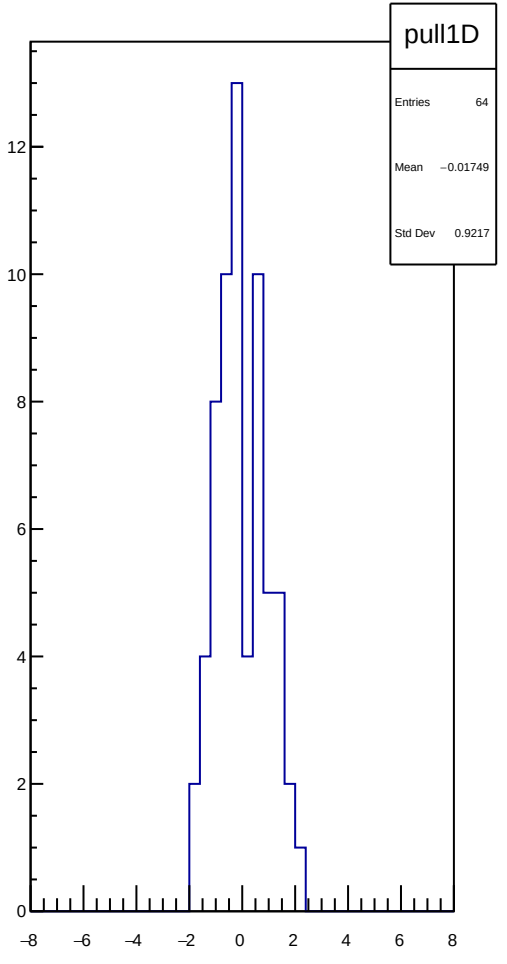

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.87 / 63
p0 −895.9 ± 7444
pull
Entries 64
Mean 71.5
Std Dev 0
pull1D
Entries 64
Mean −0.0245
Std Dev 0.9256

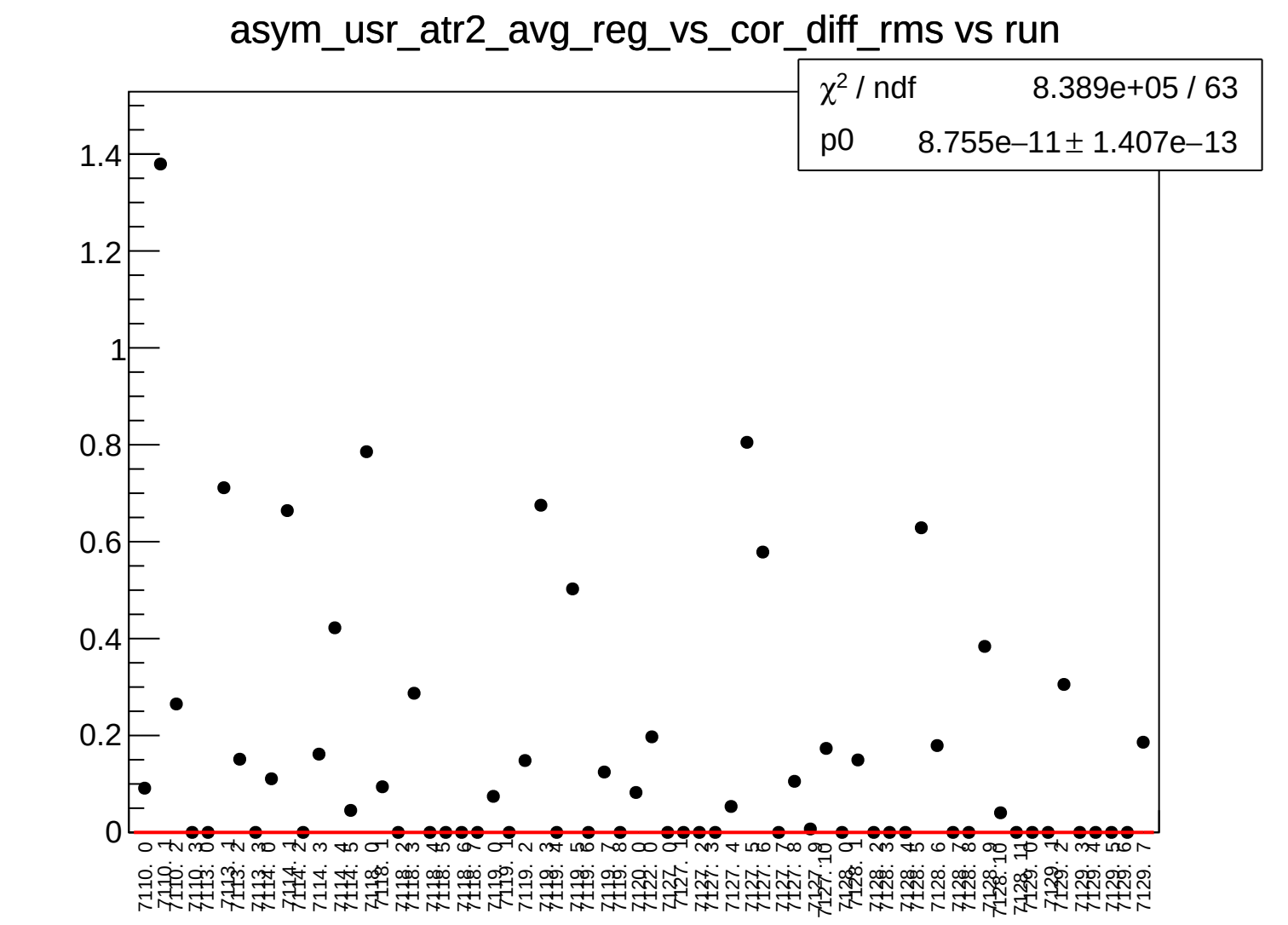

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.53e+04 / 63
p0 5768 ± 5.263
8500
8000
7500
7000
6500
6000
5500
5000
4500

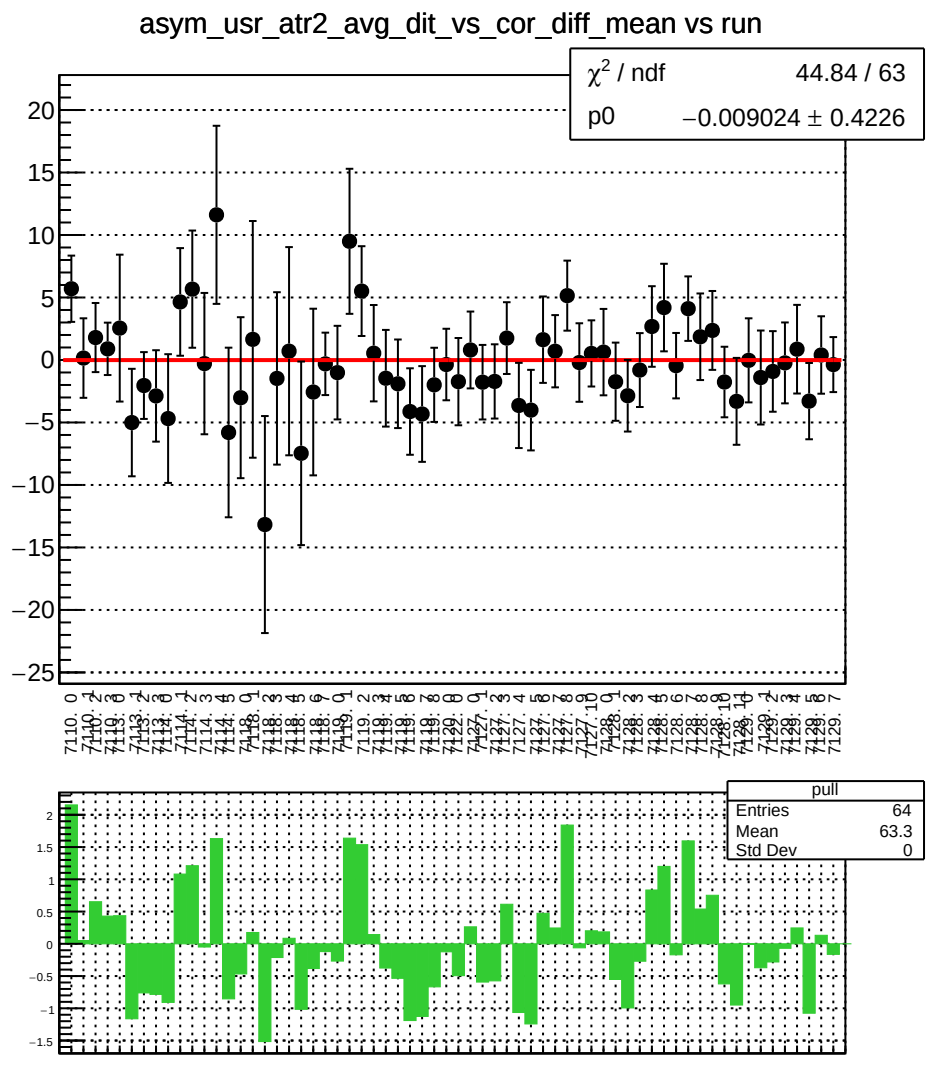

asym_usr_atr2_avg_mean vs run
χ² / ndf 58.43 / 63
p0 6151 ± 7508
×10³
pull
Entries 64
Mean 50.29
Std Dev 0
pull1D
Entries 64
Mean 0.02687
Std Dev 0.9551

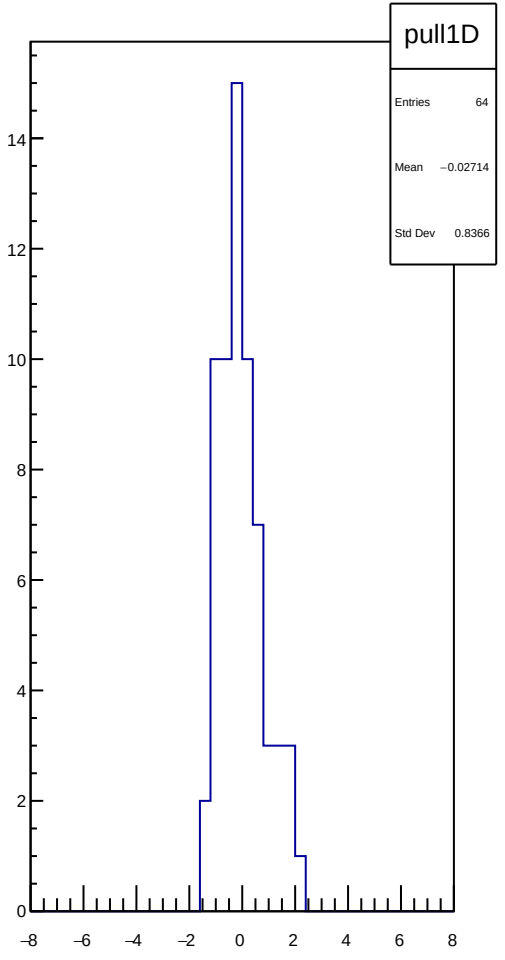

asym_usr_atr2_avg_rms vs run
χ² / ndf 2.276e+04 / 63
p0 5824 ± 5.309
8000
7500
7000
6500
6000
5500
5000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

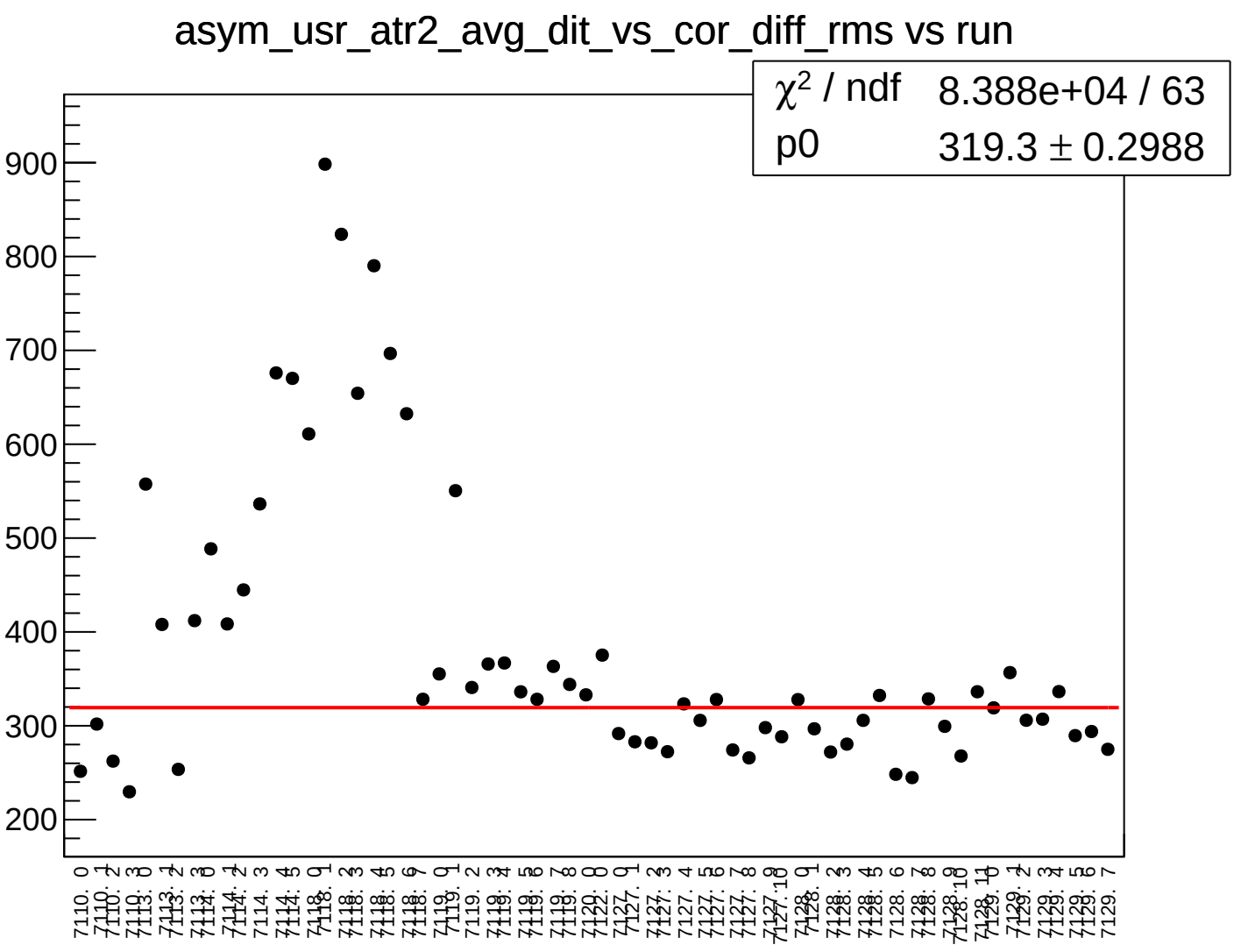

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.39 / 63
p0 −1.827e−13 ± 1.99e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 64
Mean −135.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

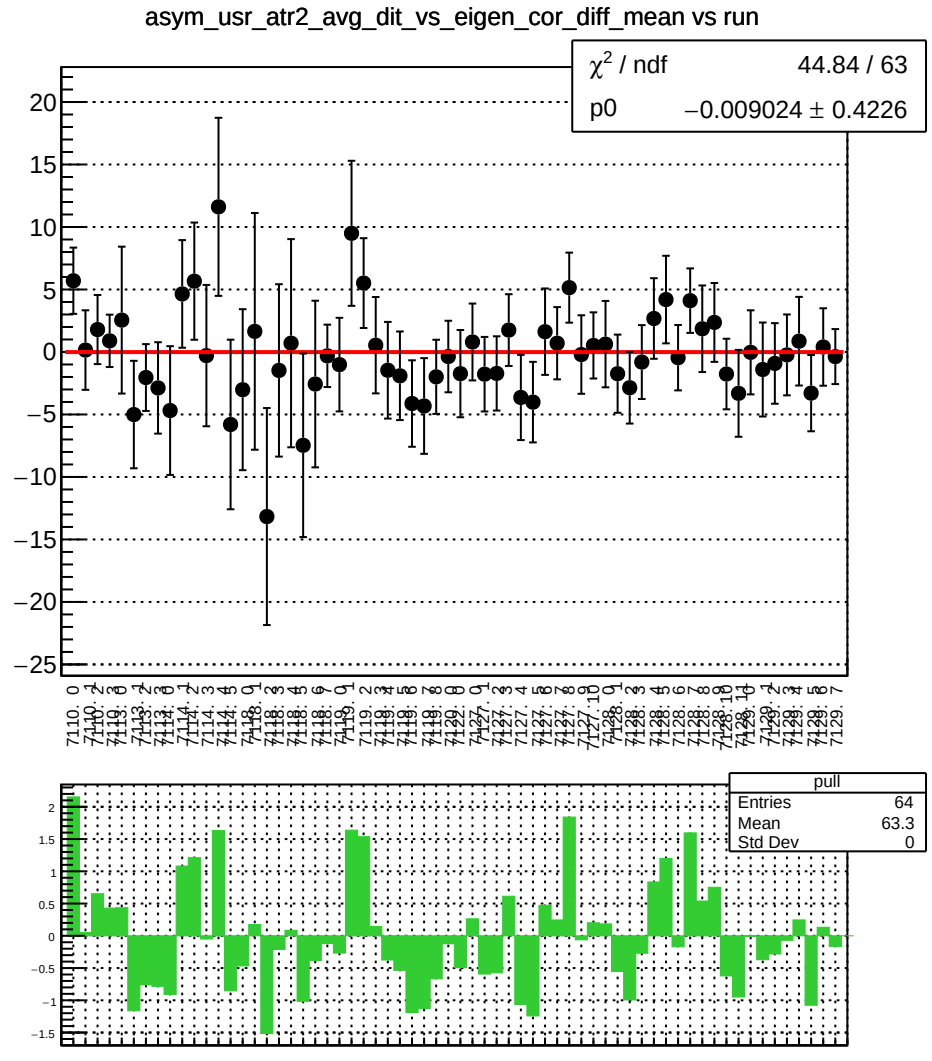

pull1D
Entries 64
Mean −0.01749
Std Dev 0.9217
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

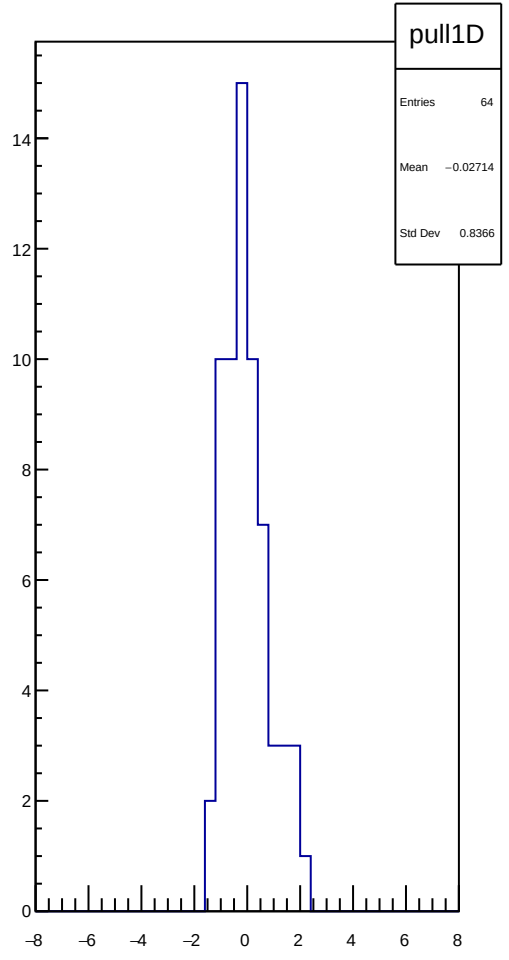

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.389e+05 / 63
p0 8.755e−11 ± 1.407e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

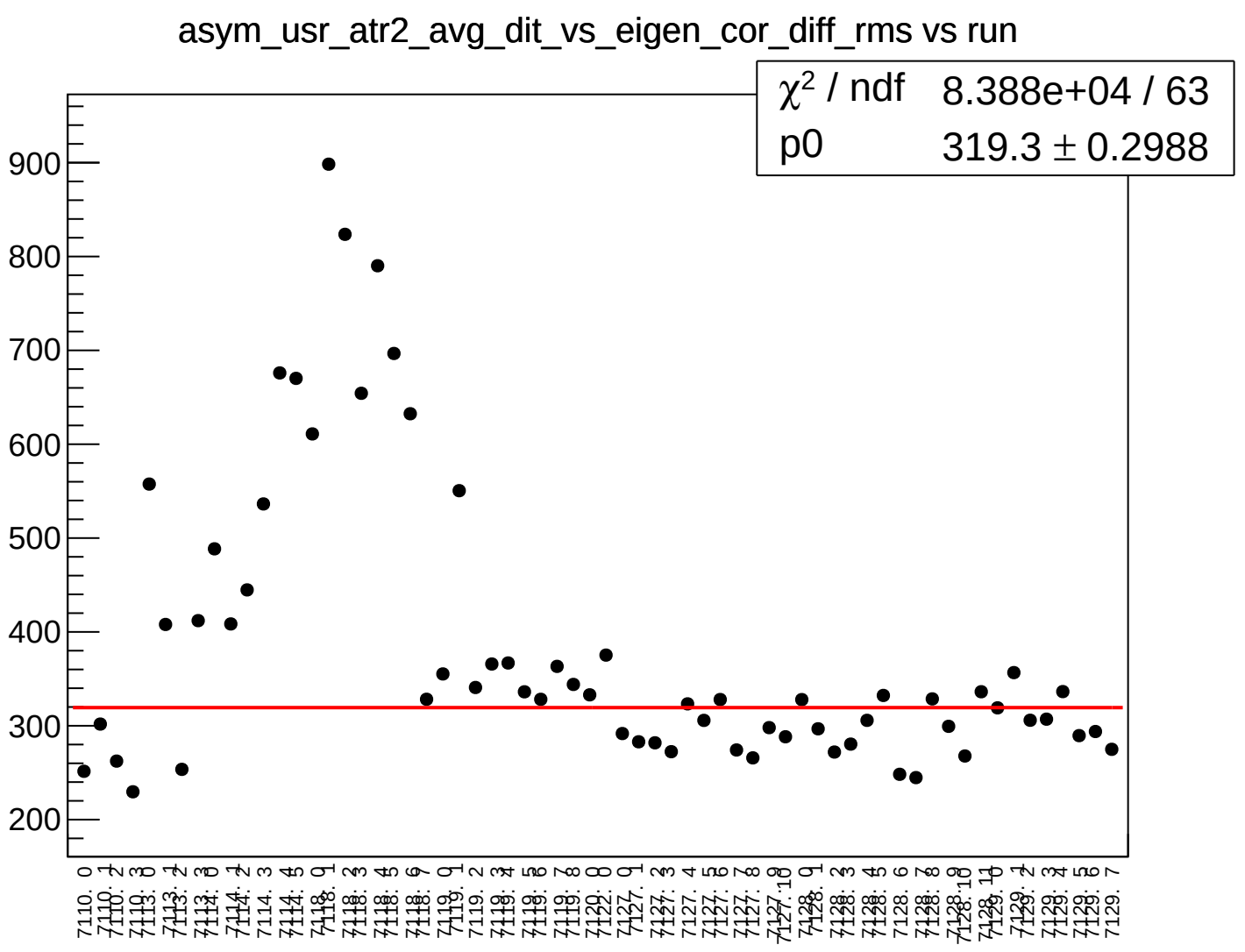

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.84 / 63
p0 −0.009024 ± 0.4226
pull
Entries 64
Mean 63.3
Std Dev 0

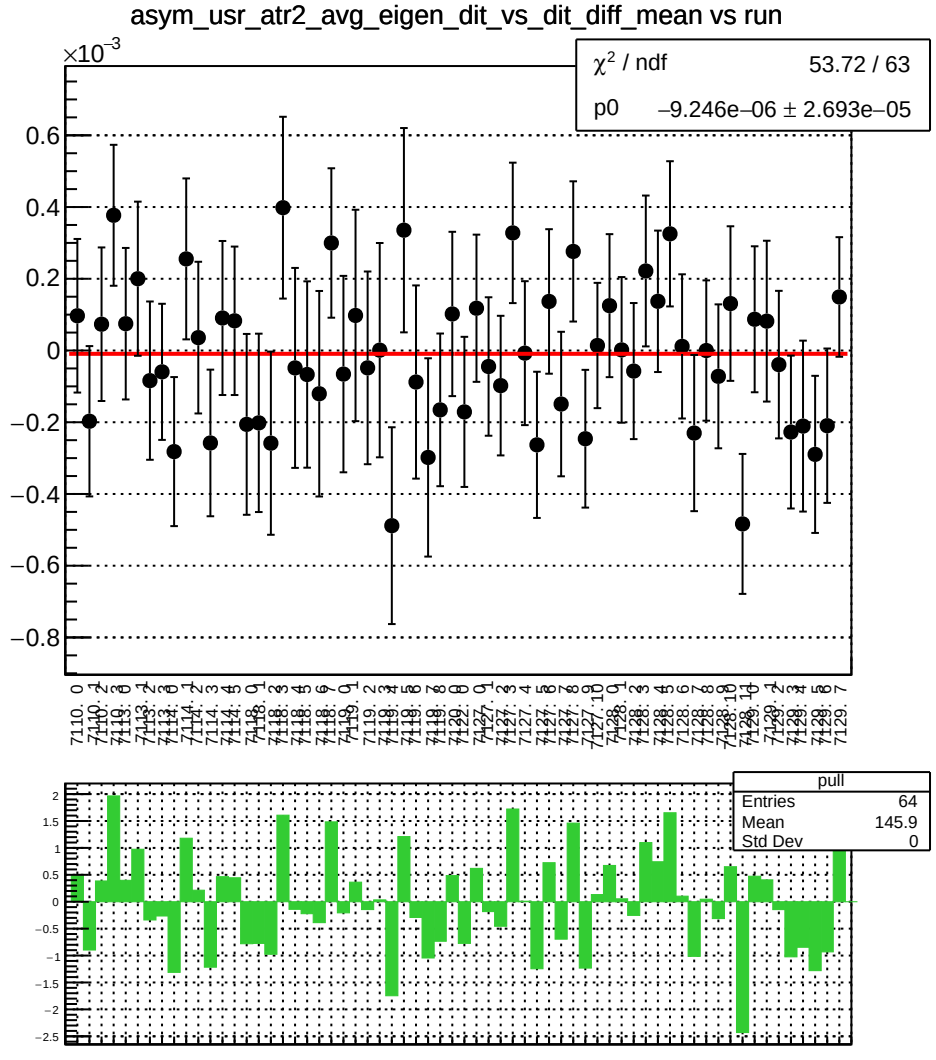

pull1D
Entries 64
Mean −0.02714
Std Dev 0.8366

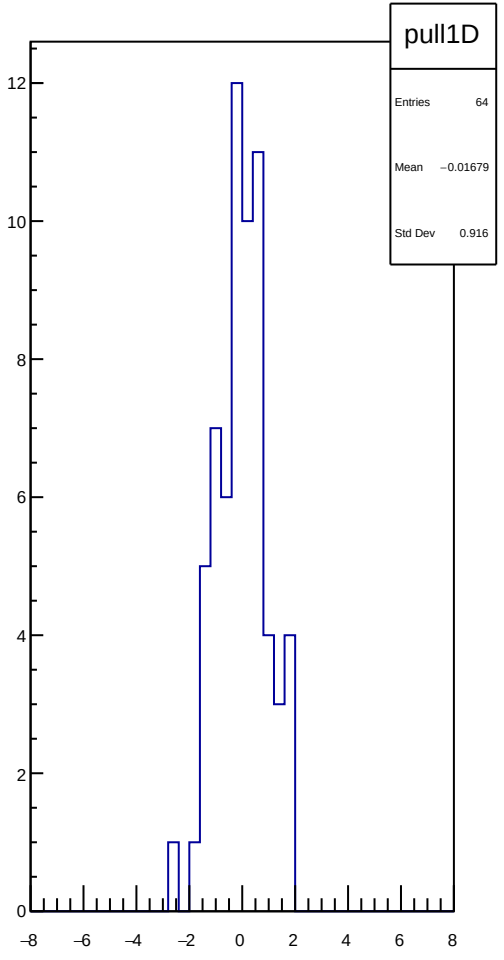

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.388e+04 / 63
p0 319.3 ± 0.2988
900
800
700
600
500
400
300
200

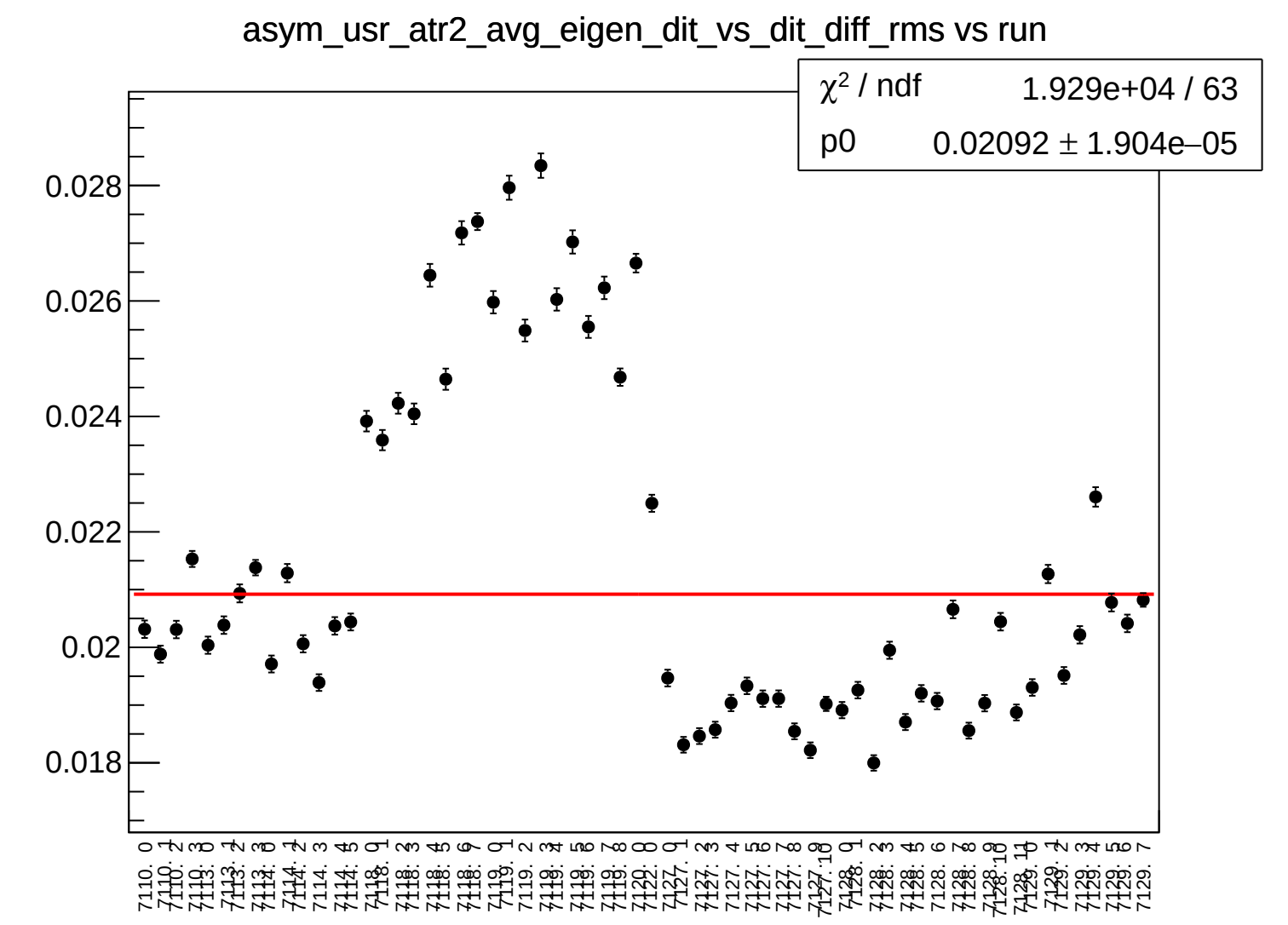

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.84 / 63
p0 −0.009024 ± 0.4226
pull
Entries 64
Mean 63.3
Std Dev 0

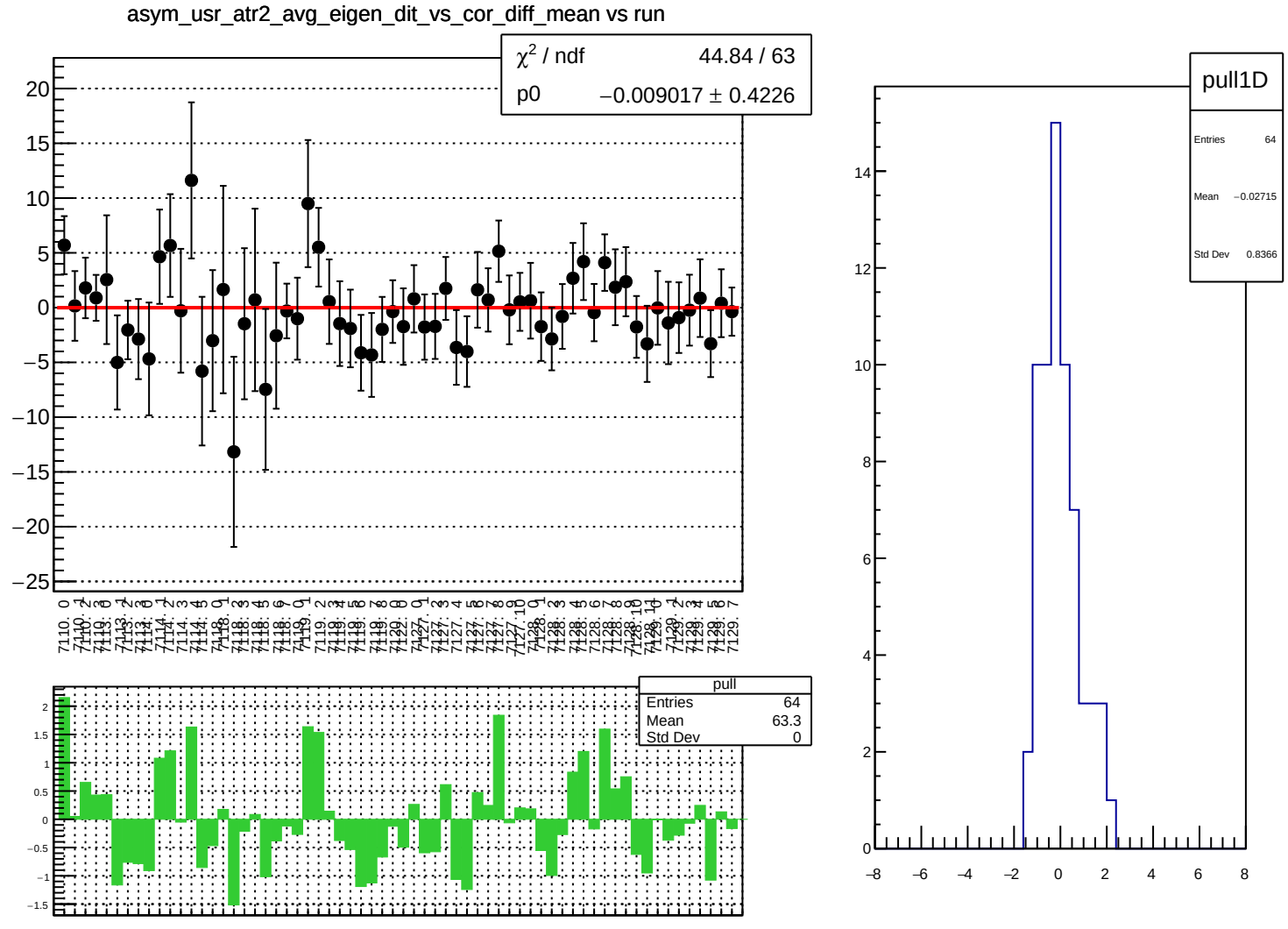

pull1D
Entries 64
Mean −0.02714
Std Dev 0.8366

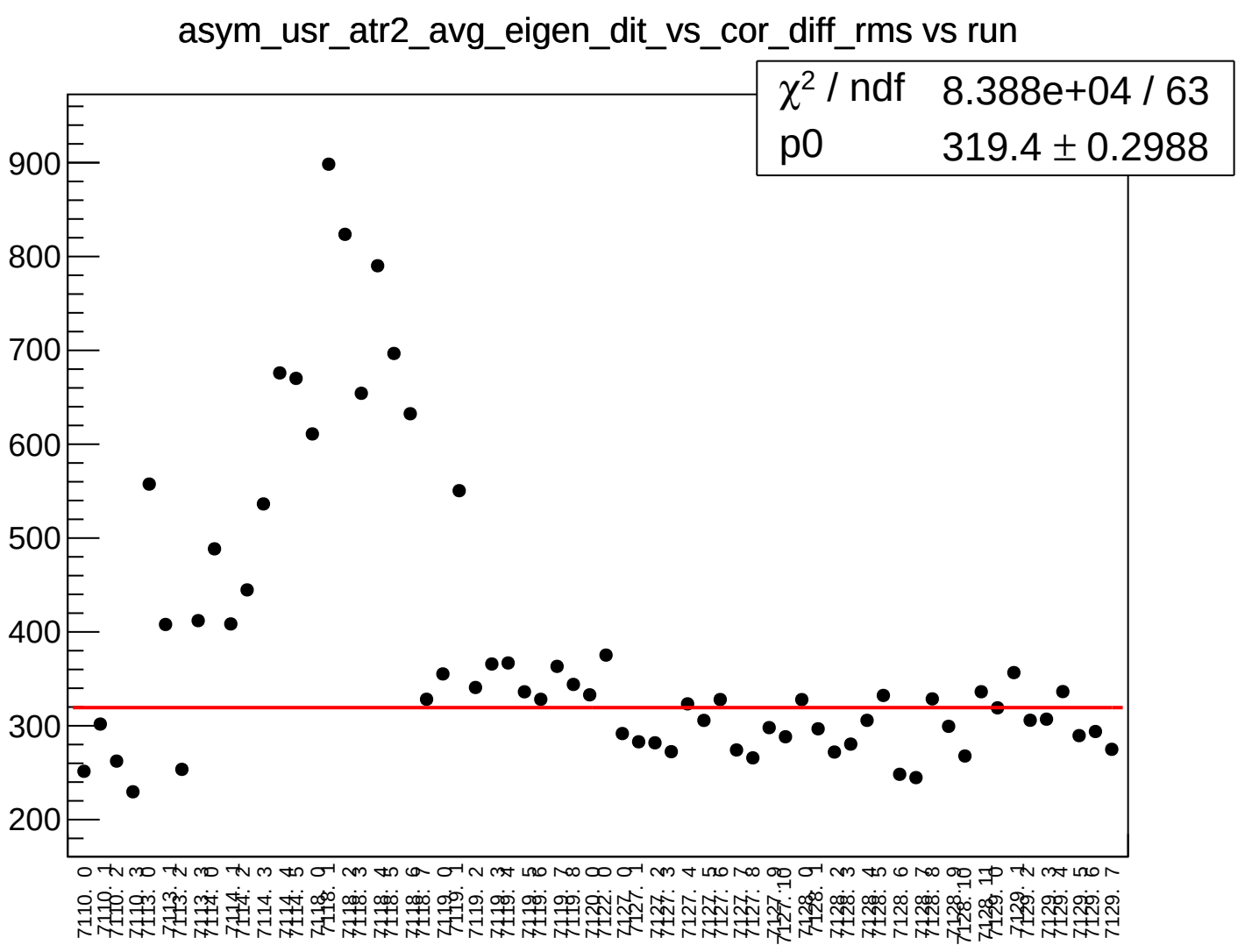

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.388e+04 / 63
p0 319.3 ± 0.2988
900
800
700
600
500
400
300
200

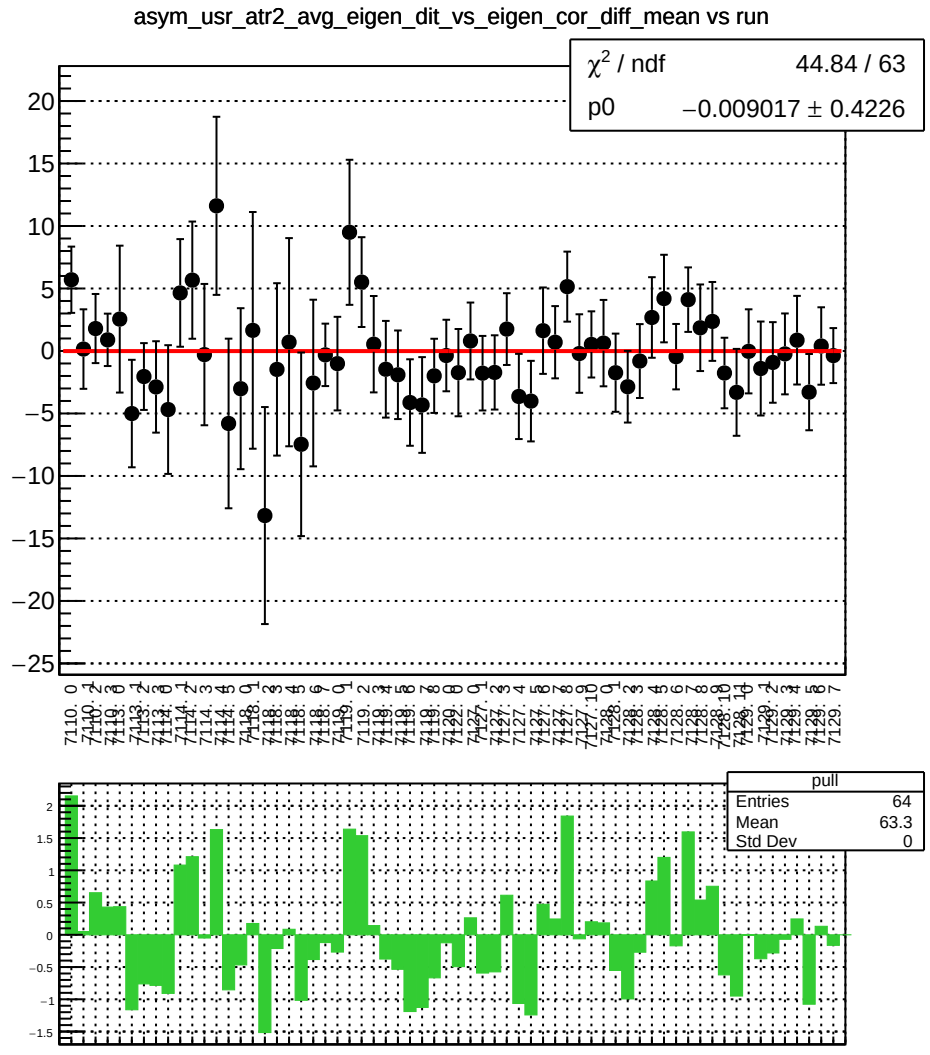

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 53.72 / 63
p0 −9.246e−06 ± 2.693e−05
pull
Entries 64
Mean 145.9
Std Dev 0

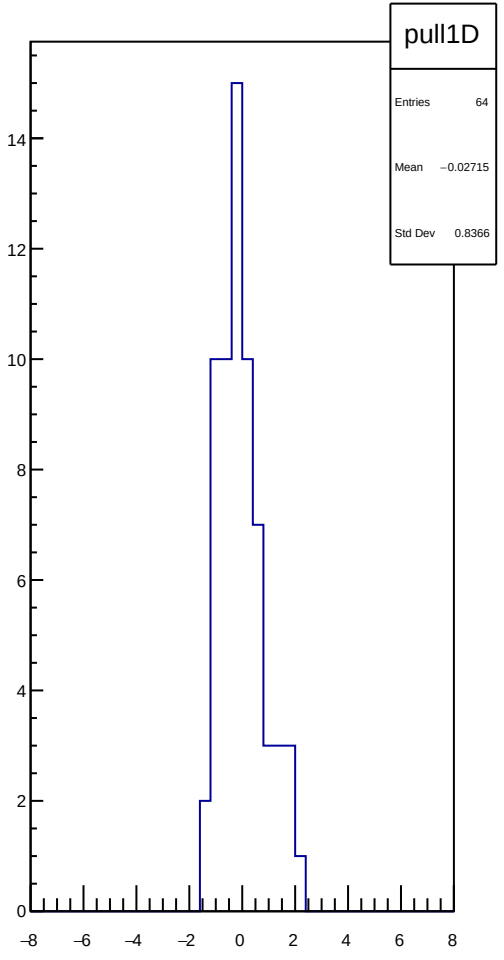

pull1D
Entries 64
Mean −0.01679
Std Dev 0.916

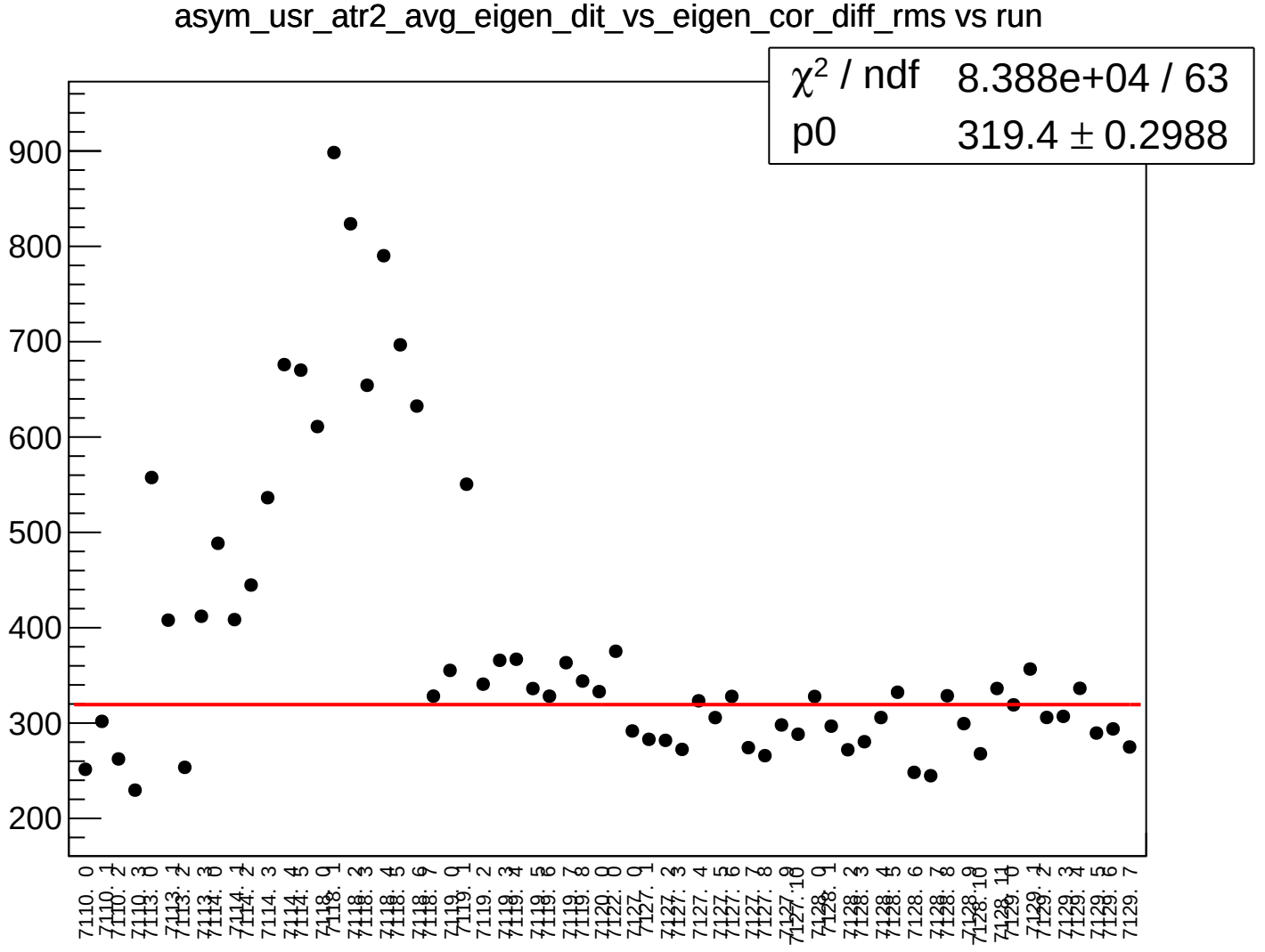

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.929e+04 / 63
p0 0.02092 ± 1.904e−05
0.028
0.026
0.024
0.022
0.02
0.018

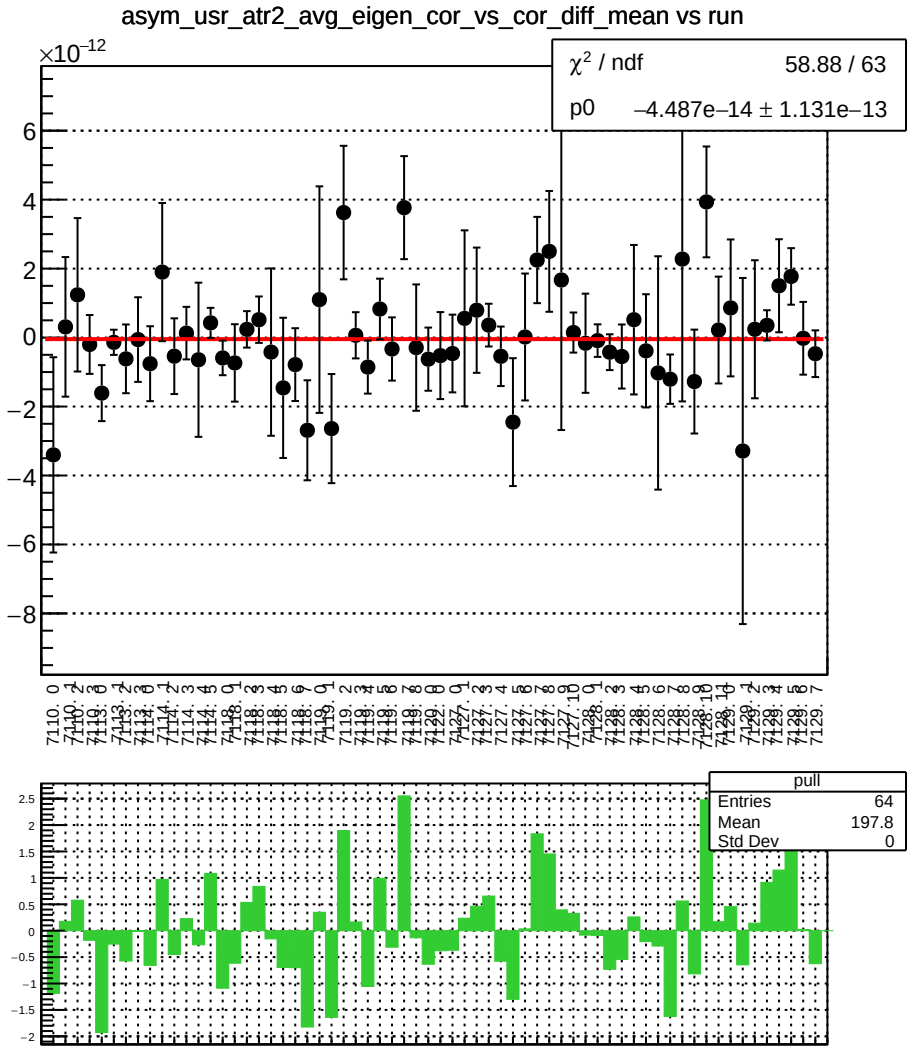

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.84 / 63
p0 −0.009017 ± 0.4226
pull
Entries 64
Mean 63.3
Std Dev 0
pull1D
Entries 64
Mean −0.02715
Std Dev 0.8366

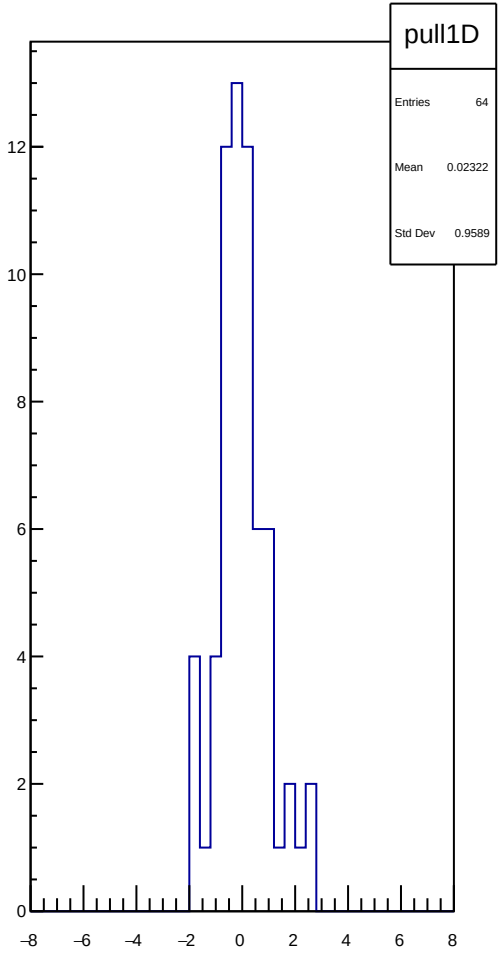

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.388e+04 / 63
p0 319.4 ± 0.2988
900
800
700
600
500
400
300
200

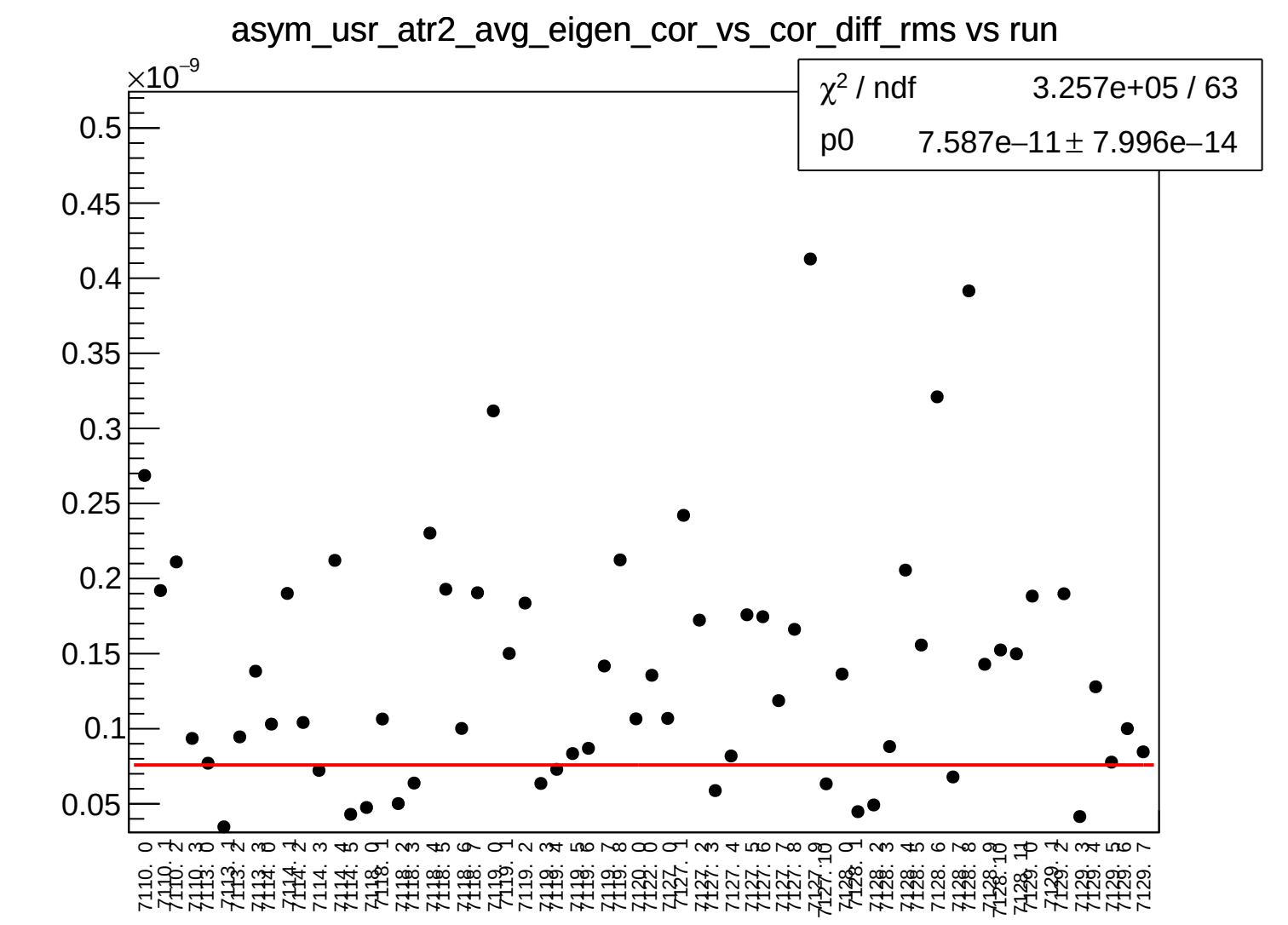

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.84 / 63
p0 −0.009017 ± 0.4226
pull
Entries 64
Mean 63.3
Std Dev 0

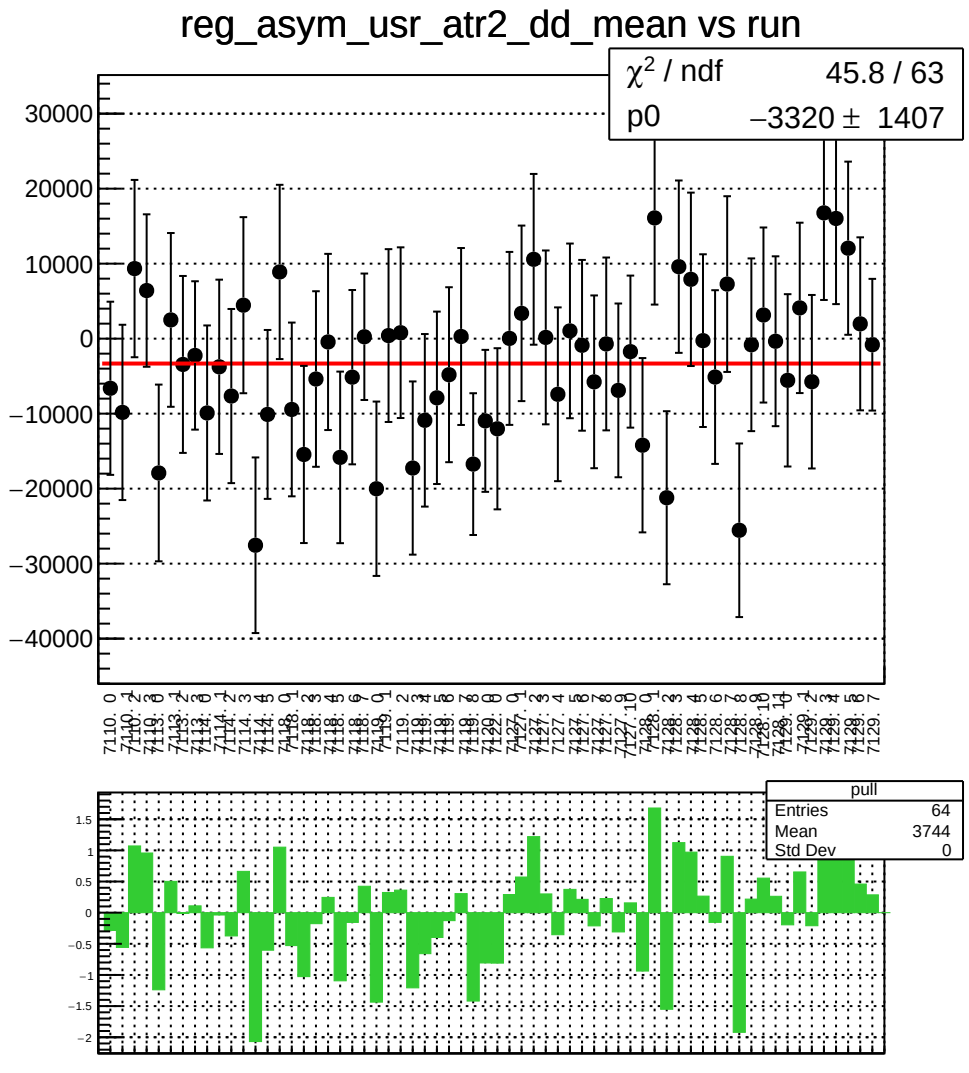

pull1D
Entries 64
Mean −0.02715
Std Dev 0.8366

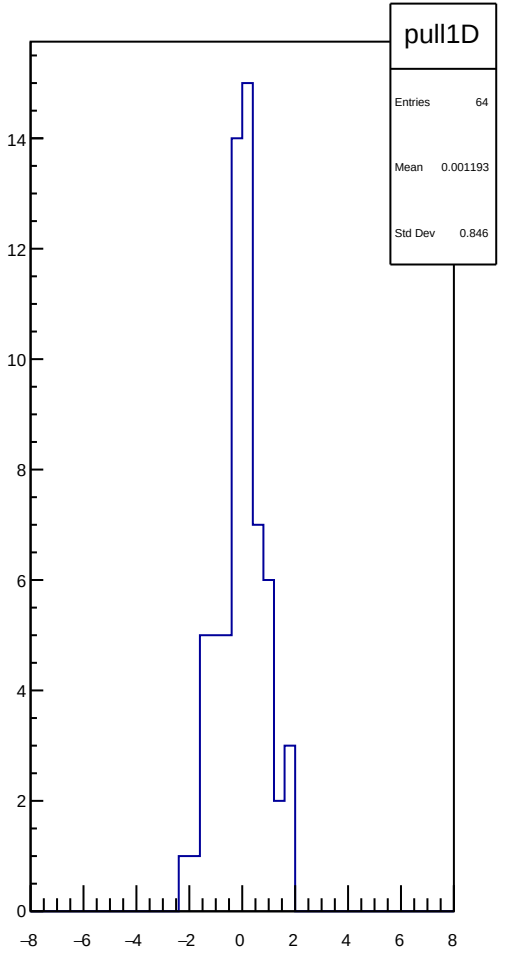

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.388e+04 / 63
p0 319.4 ± 0.2988
900
800
700
600
500
400
300
200

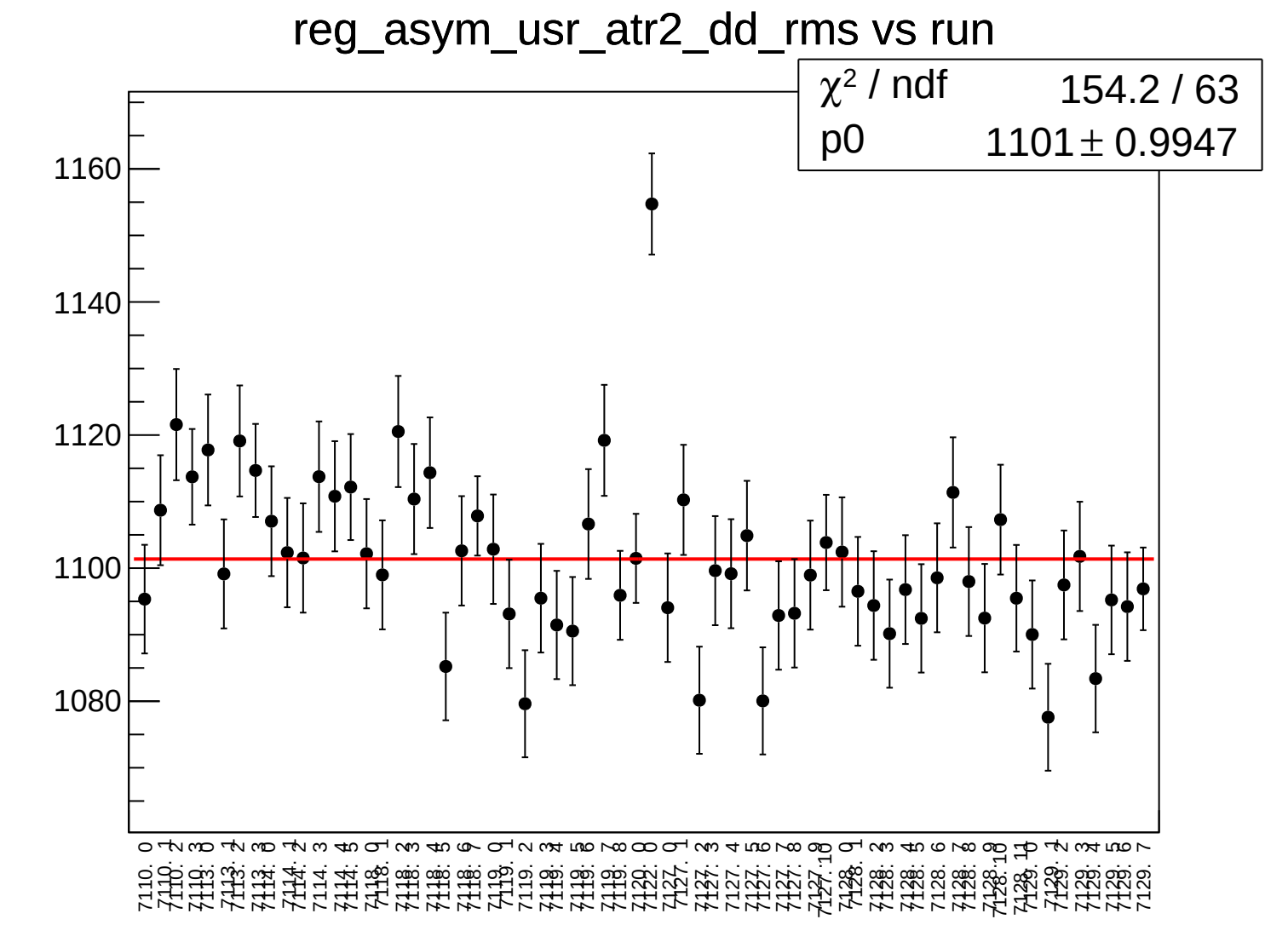

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.88 / 63
p0 −4.487e−14 ± 1.131e−13
pull
Entries 64
Mean 197.8
Std Dev 0

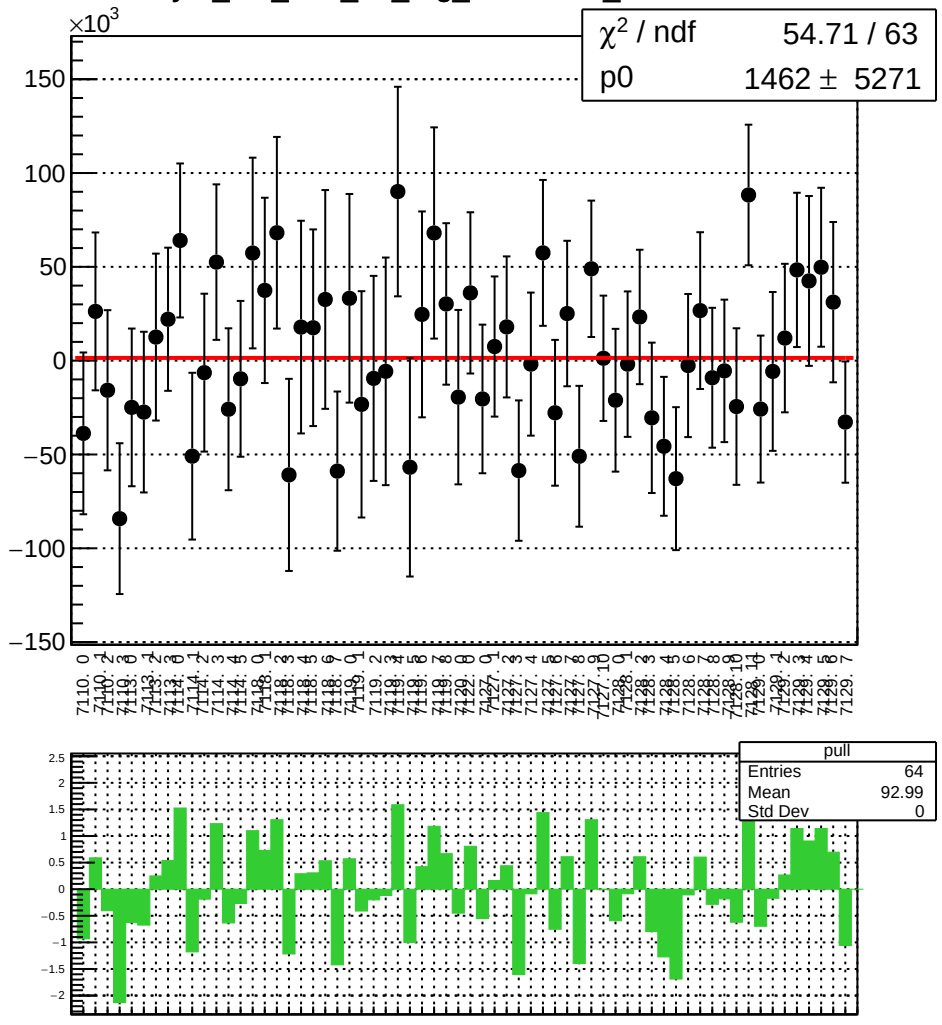

pull1D
Entries 64
Mean 0.02322
Std Dev 0.9589

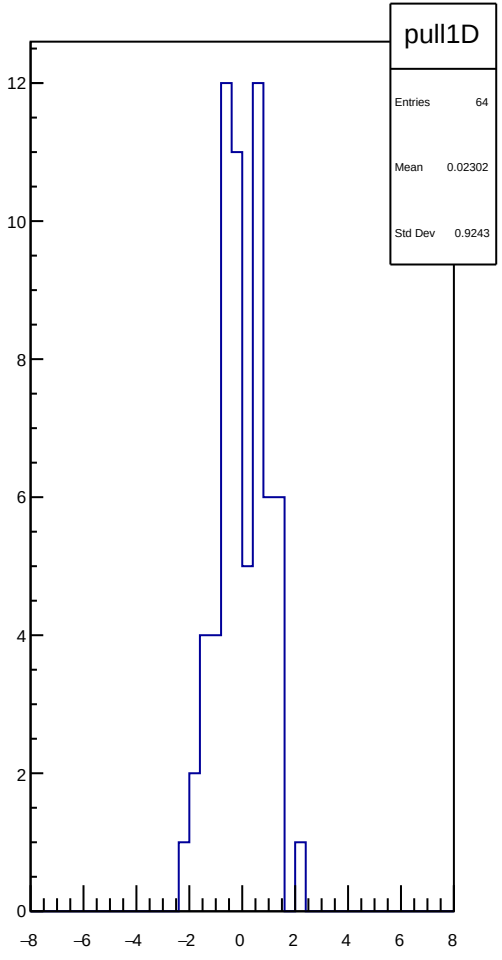

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.257e+05 / 63
p0 7.587e−11 ± 7.996e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

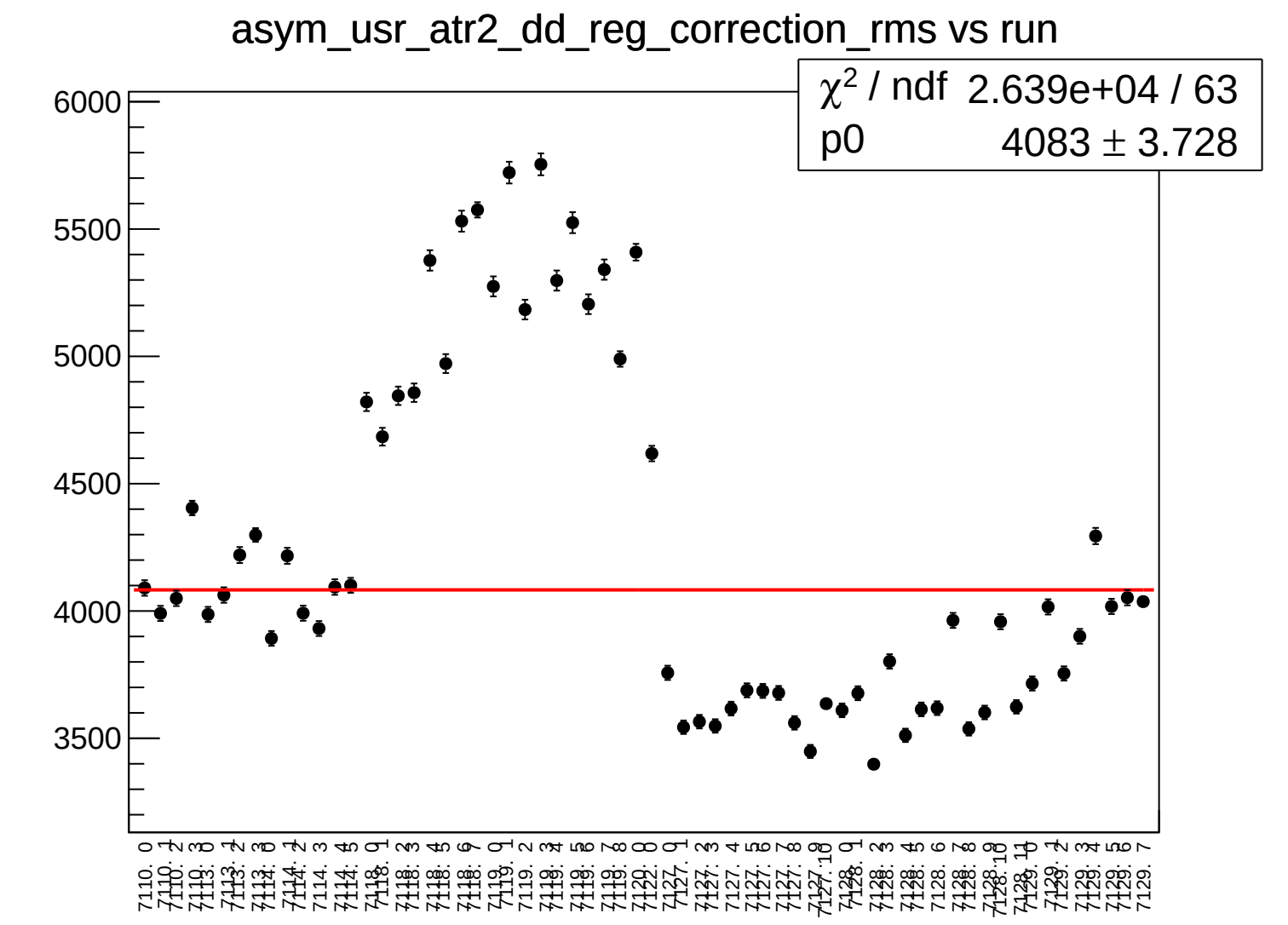

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.8 / 63
p0 −3320 ± 1407
pull
Entries 64
Mean 3744
Std Dev 0

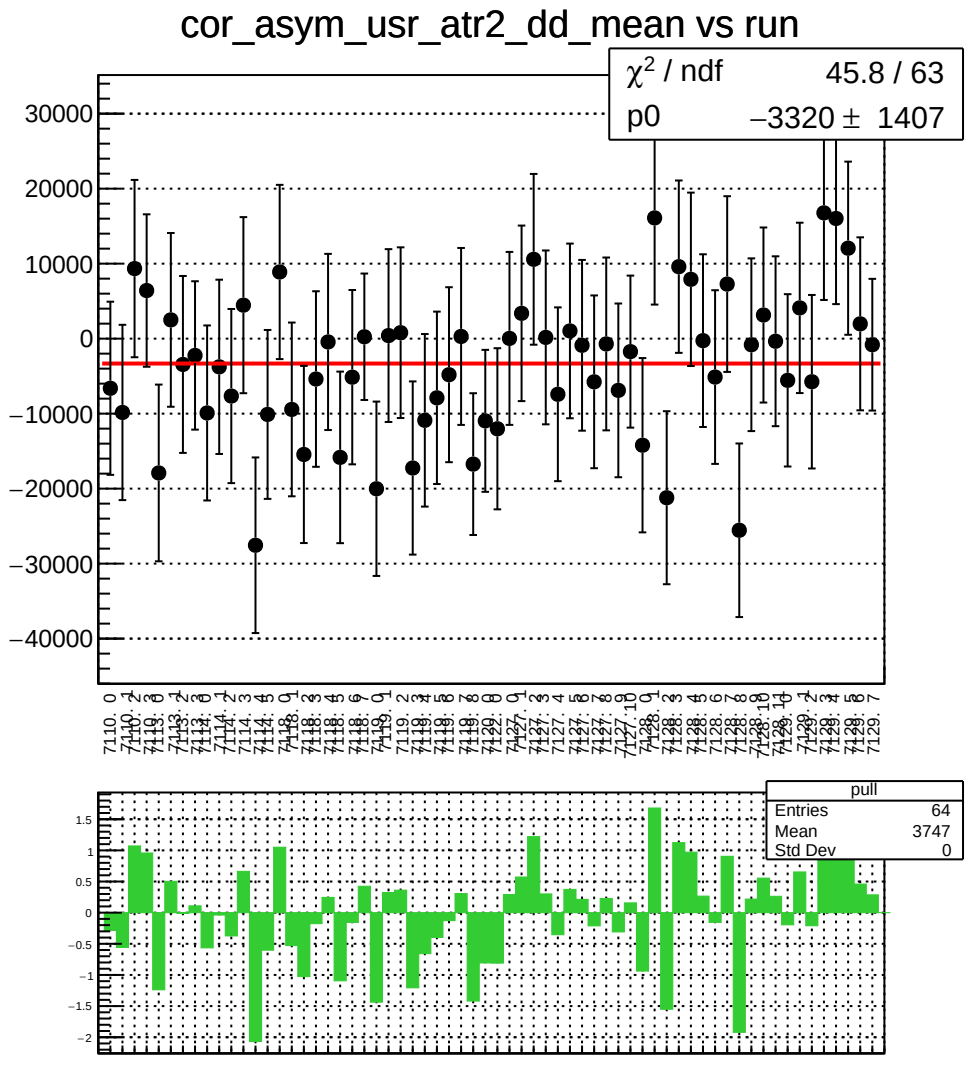

pull1D
Entries 64
Mean 0.001193
Std Dev 0.846

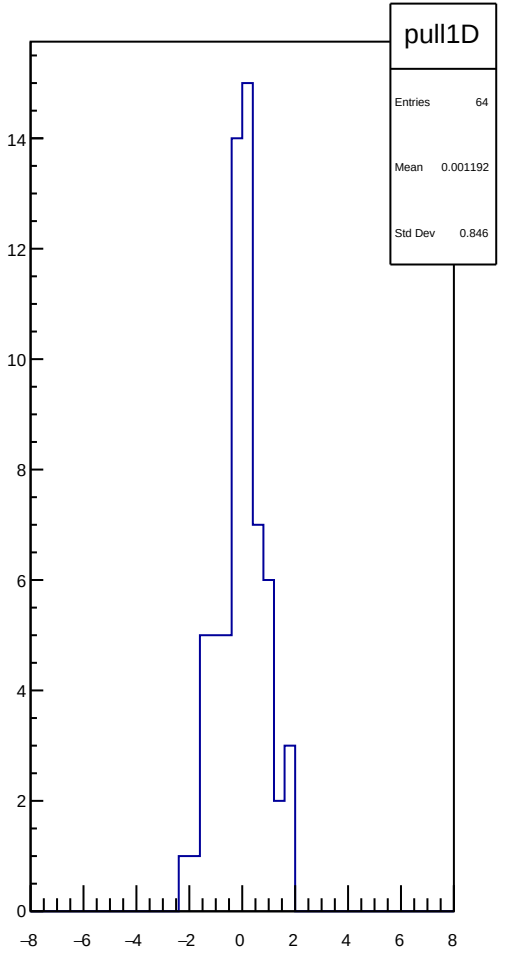

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 154.2 / 63
p0 1101 ± 0.9947
1160
1140
1120
1100
1080

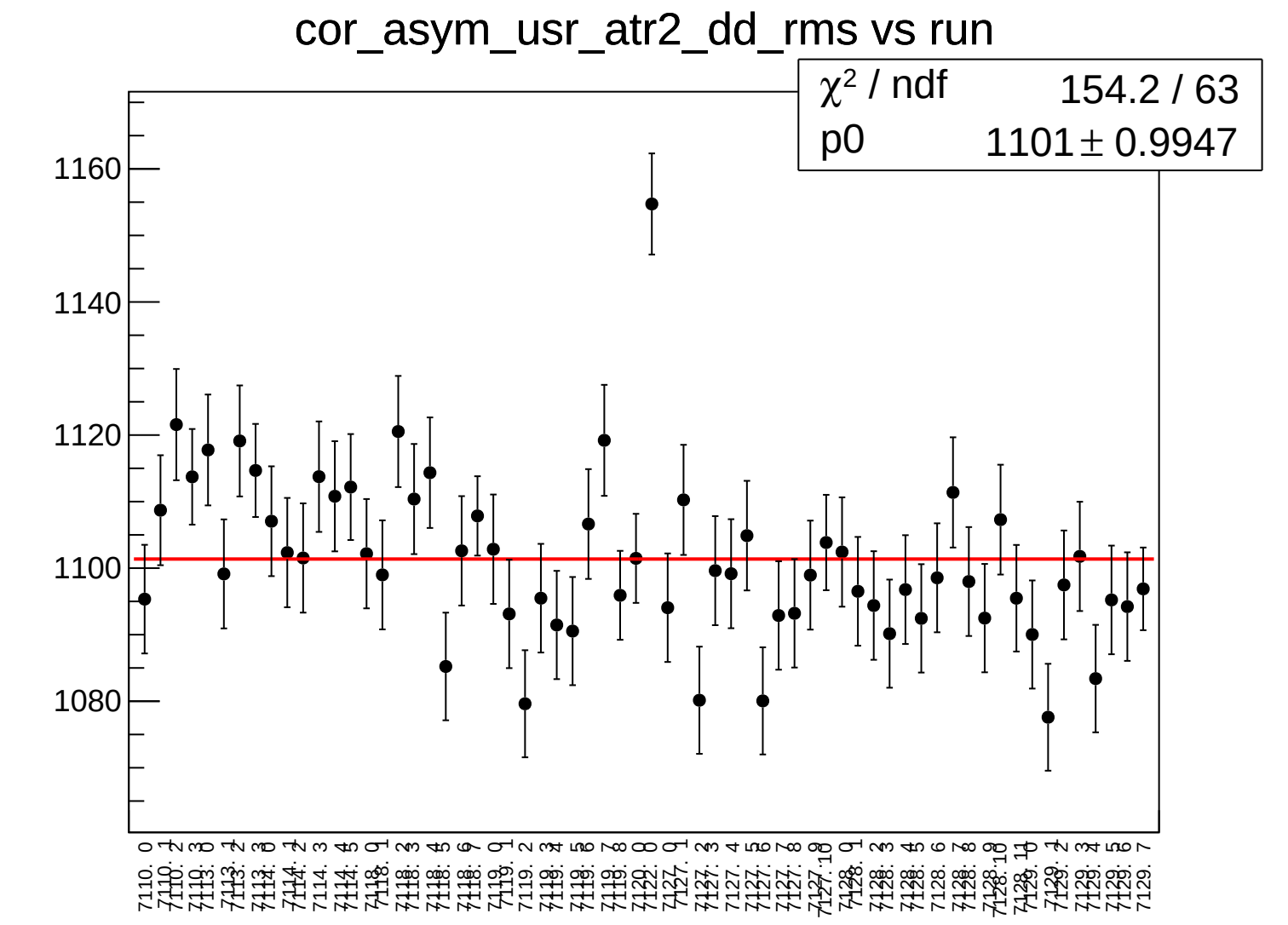

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.71 / 63
p0 1462 ± 5271
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 92.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

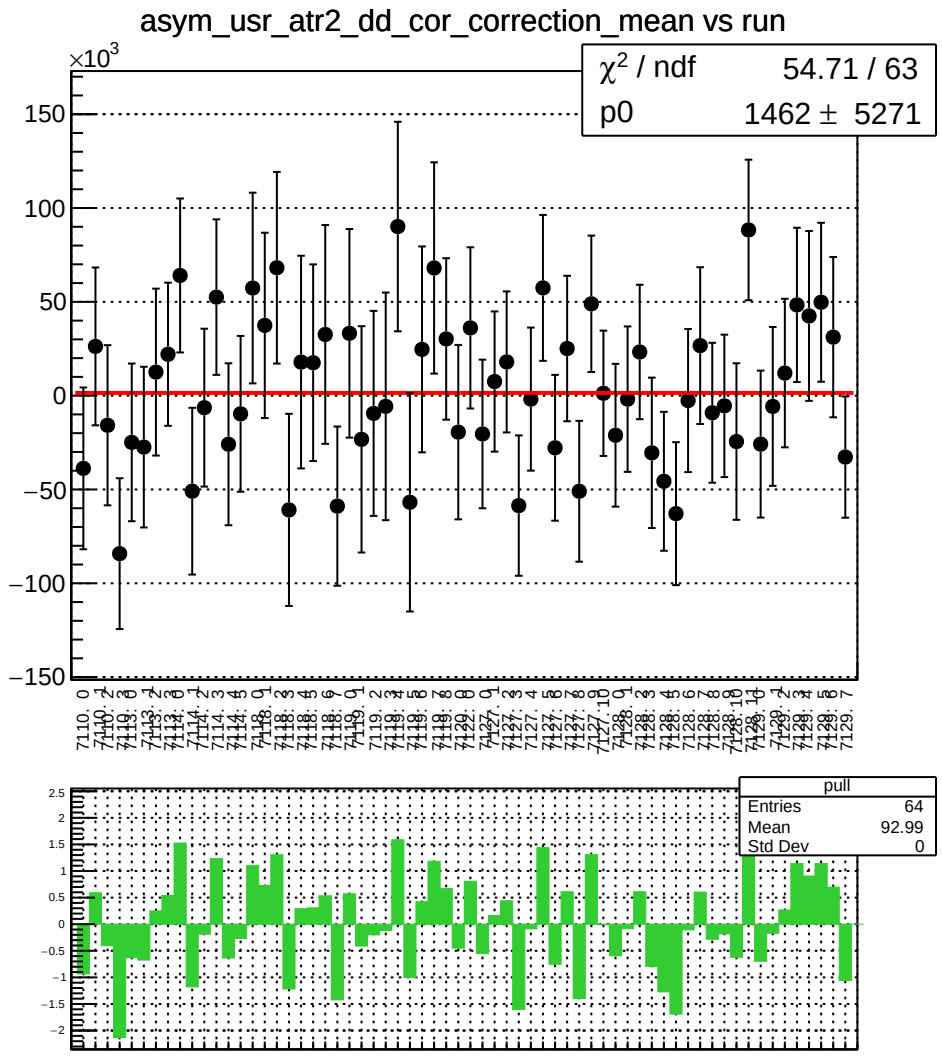

pull1D
Entries 64
Mean 0.02302
Std Dev 0.9243
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

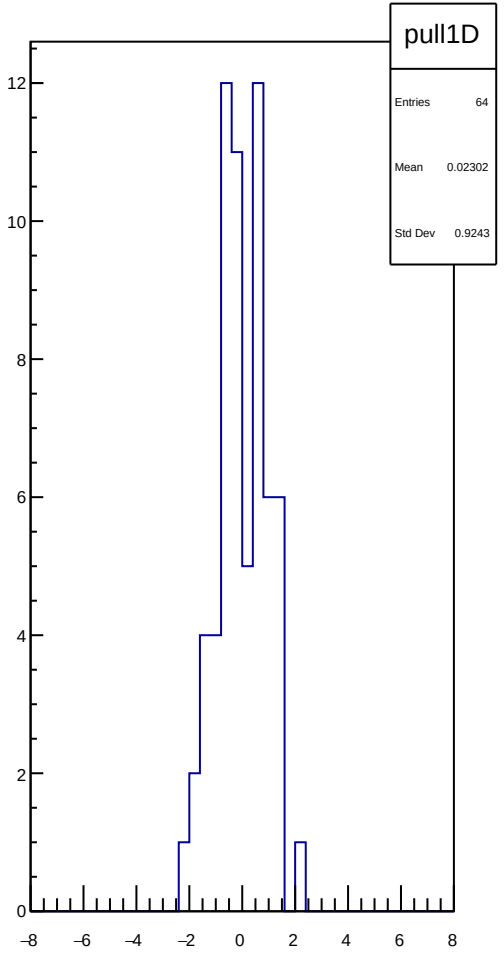

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 2.639e+04 / 63
p0 4083 ± 3.728
6000
5500
5000
4500
4000
3500

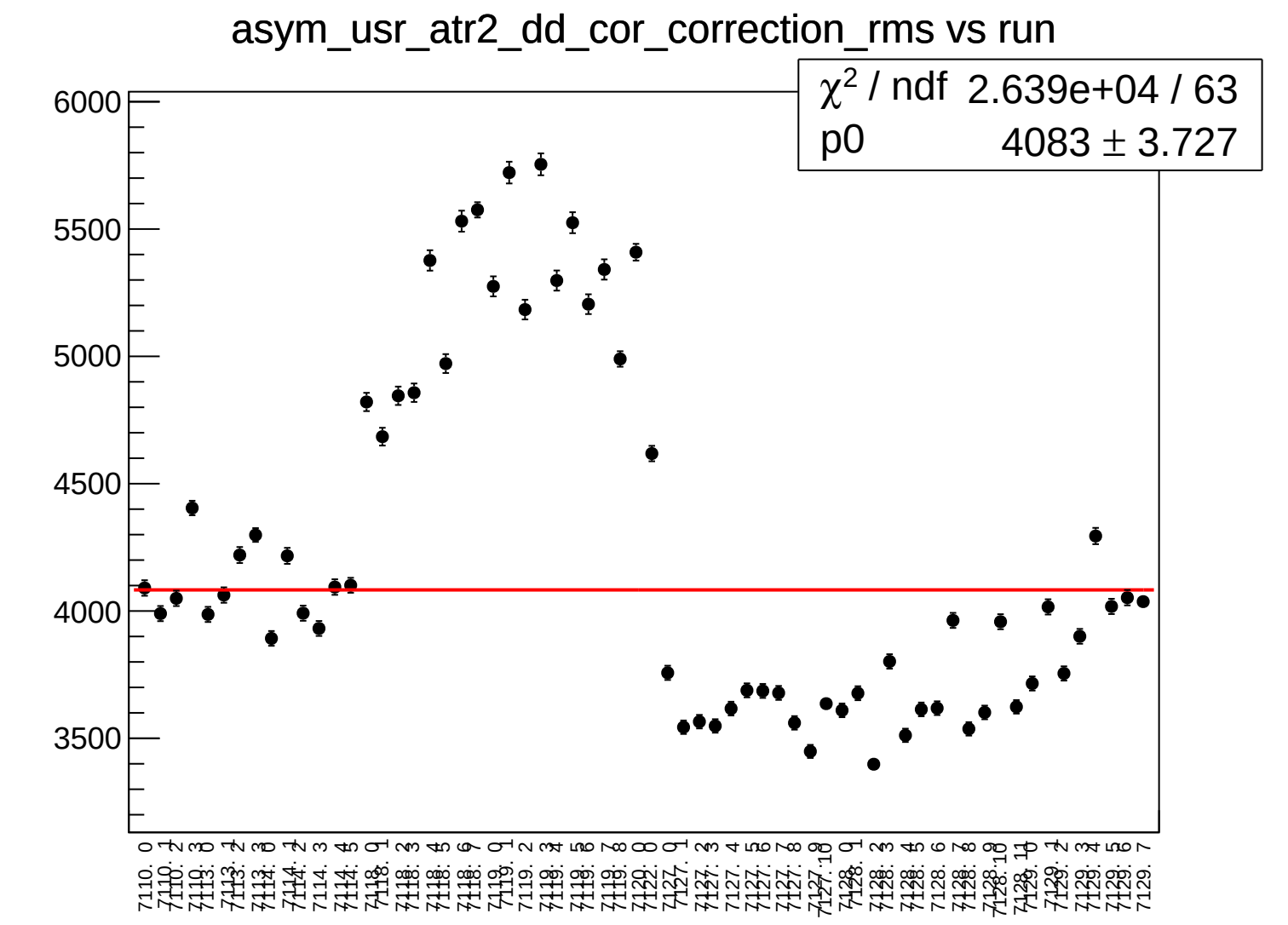

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.8 / 63
p0 −3320 ± 1407
pull
Entries 64
Mean 3747
Std Dev 0

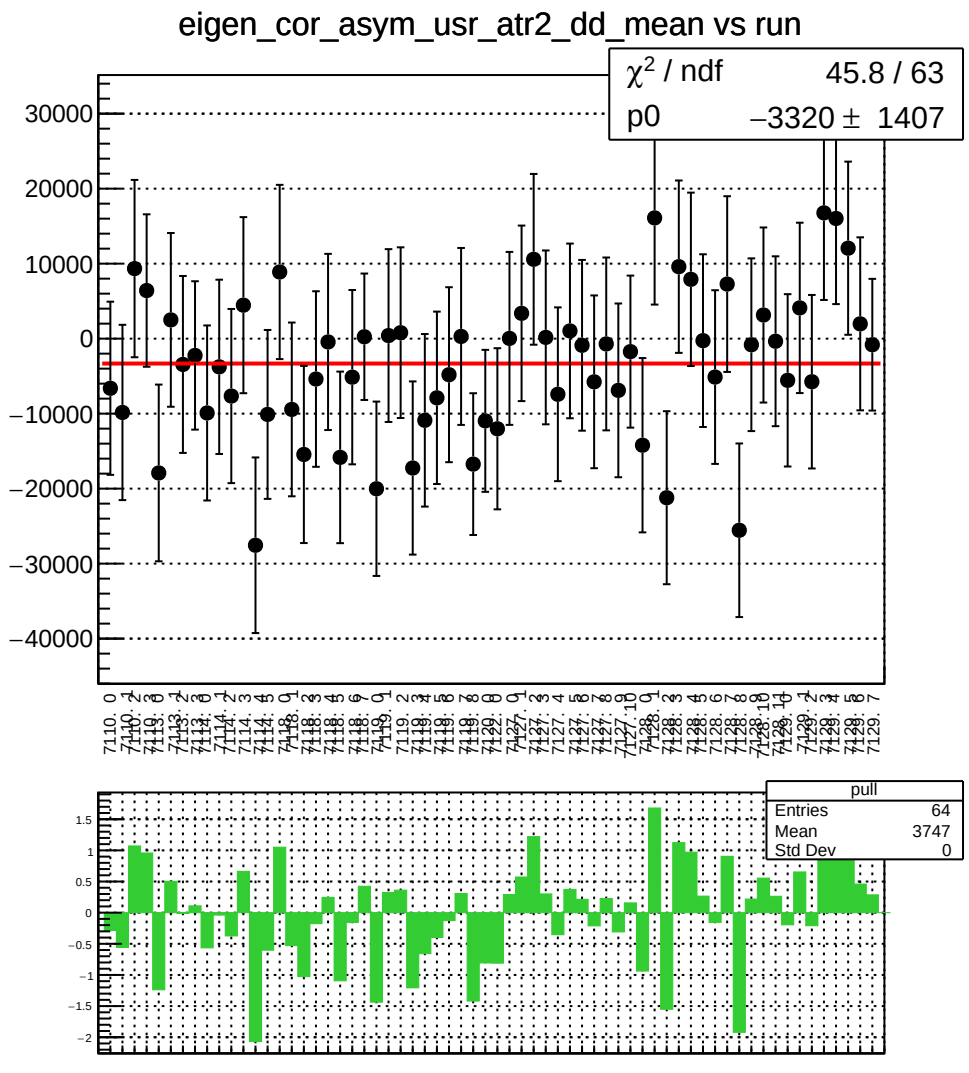

pull1D
Entries 64
Mean 0.001192
Std Dev 0.846

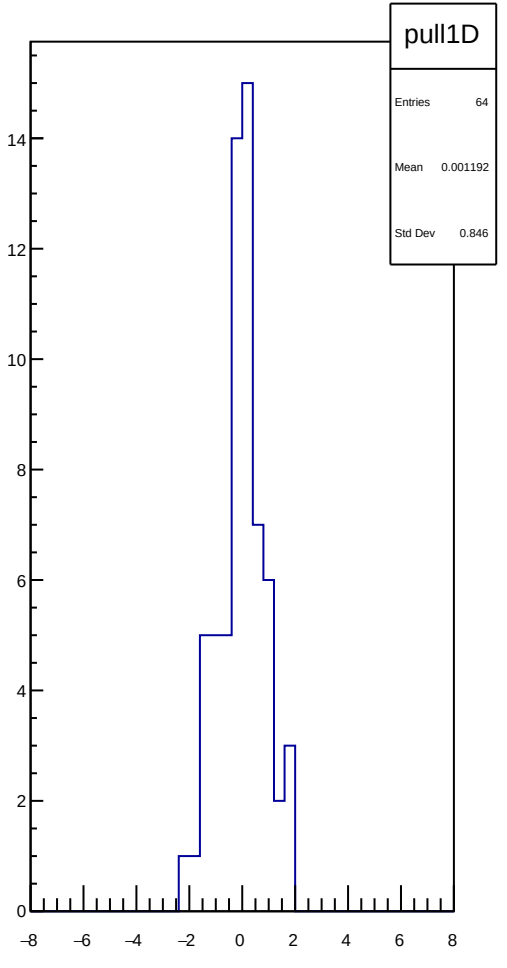

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 154.2 / 63
p0 1101 ± 0.9947
1160
1140
1120
1100
1080

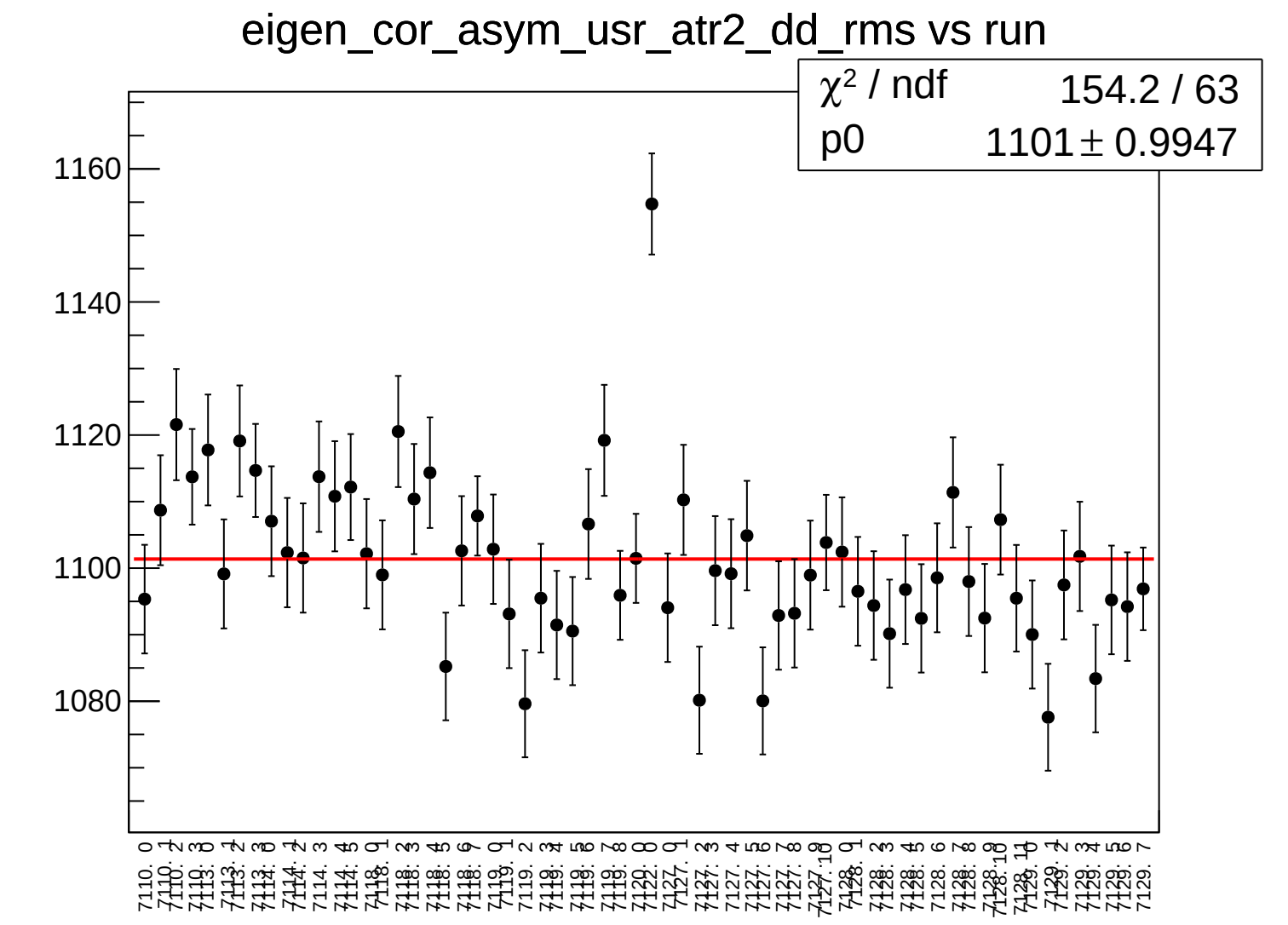

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.71 / 63
p0 1462 ± 5271
pull
Entries 64
Mean 92.99
Std Dev 0

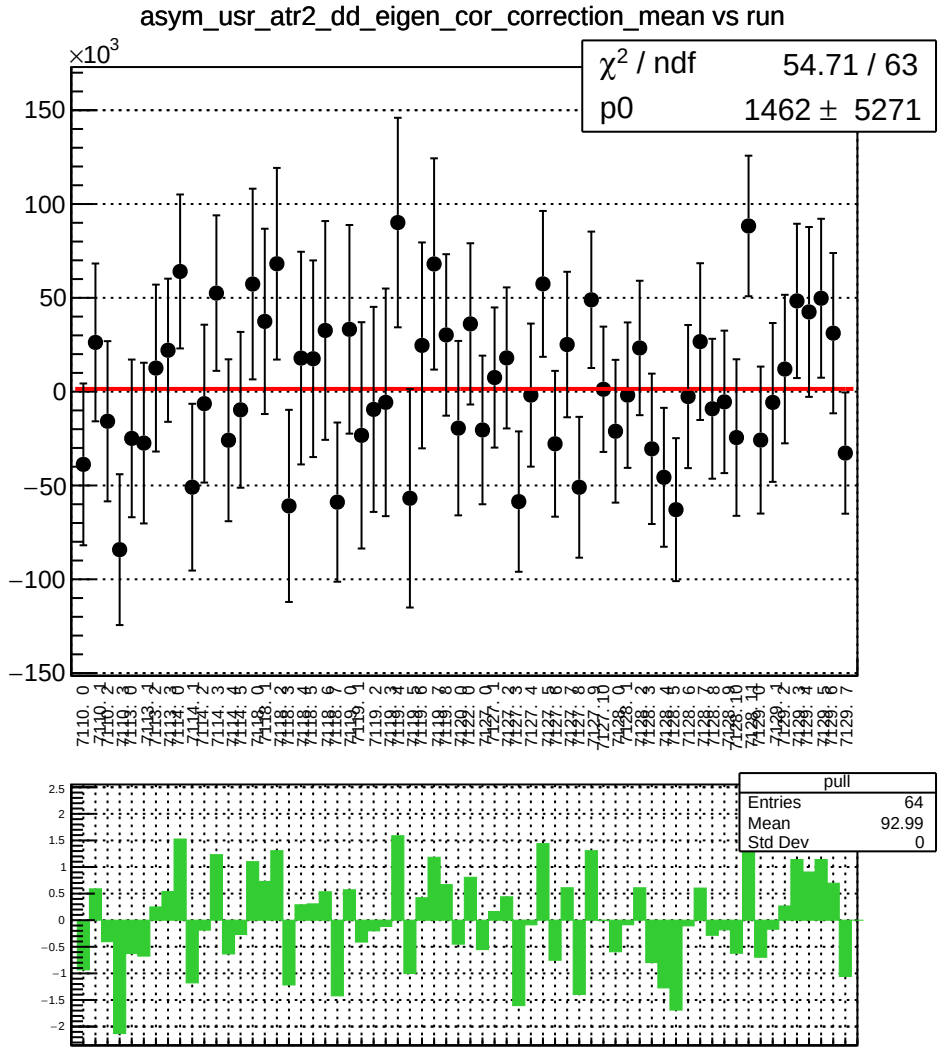

pull1D
Entries 64
Mean 0.02302
Std Dev 0.9243

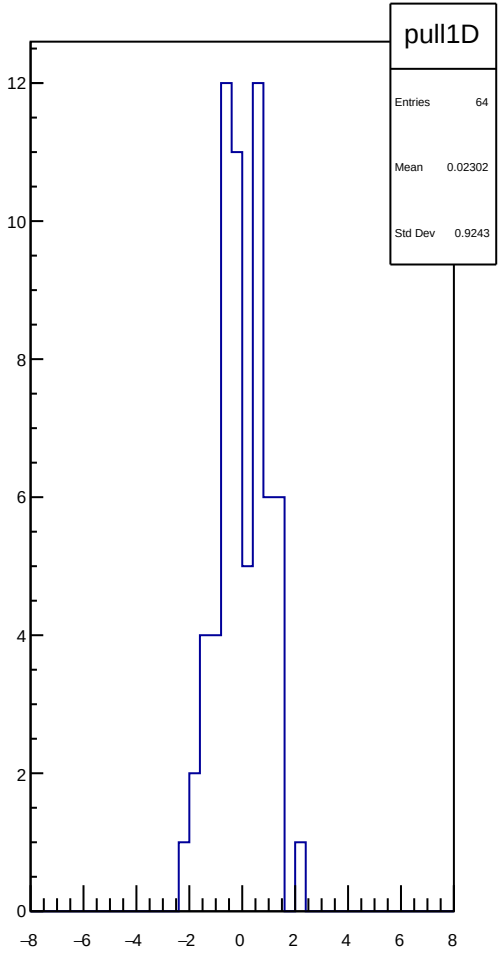

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 2.639e+04 / 63
p0 4083 ± 3.727
6000
5500
5000
4500
4000
3500

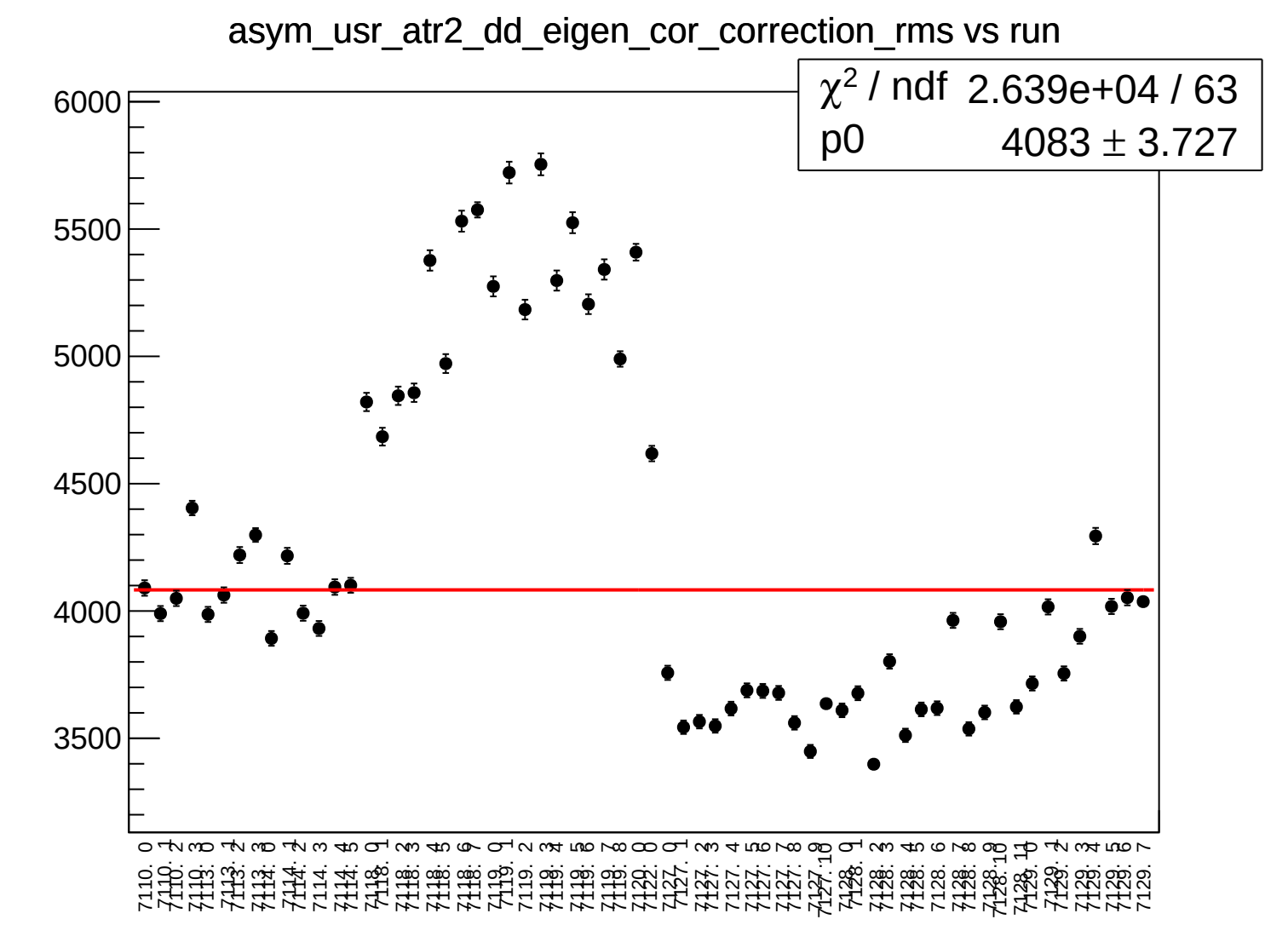

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.8 / 63
p0 −3320 ± 1407
pull
Entries 64
Mean 3747
Std Dev 0

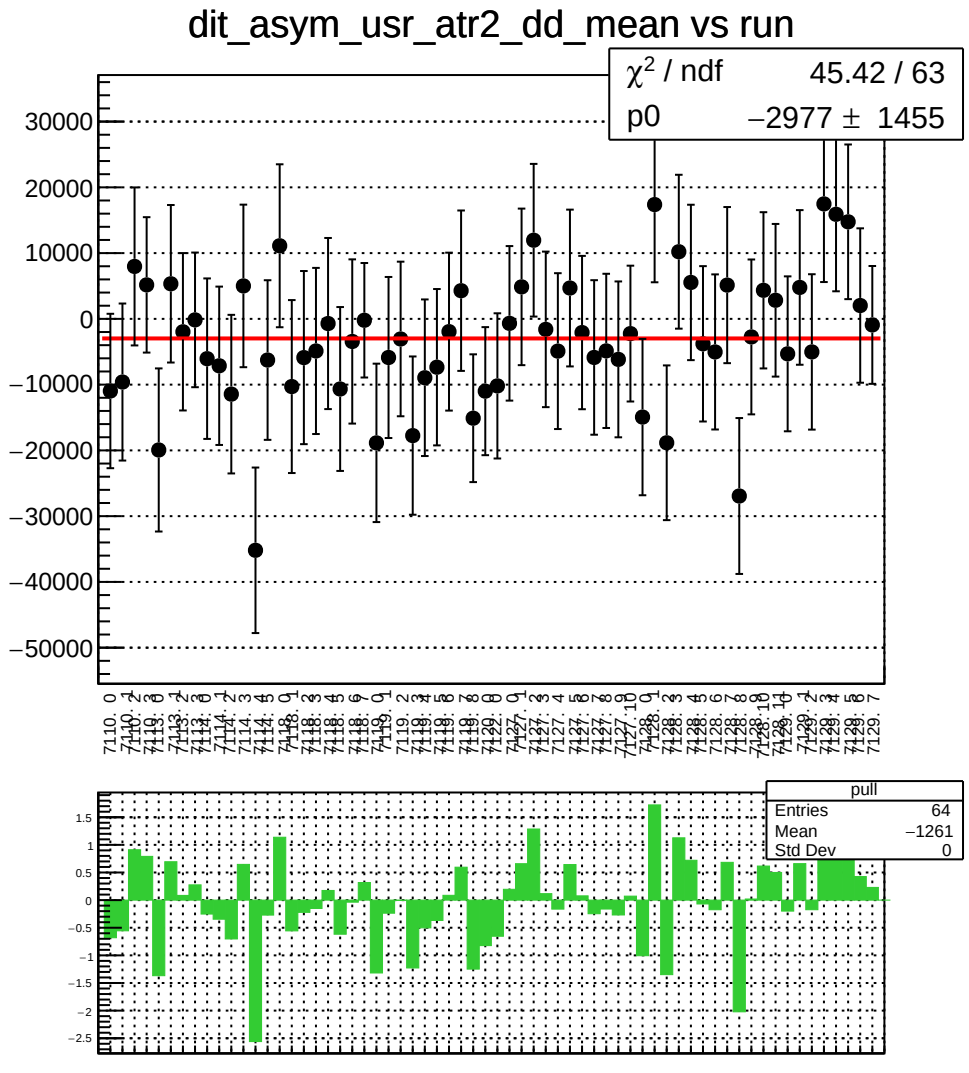

pull1D
Entries 64
Mean 0.001192
Std Dev 0.846

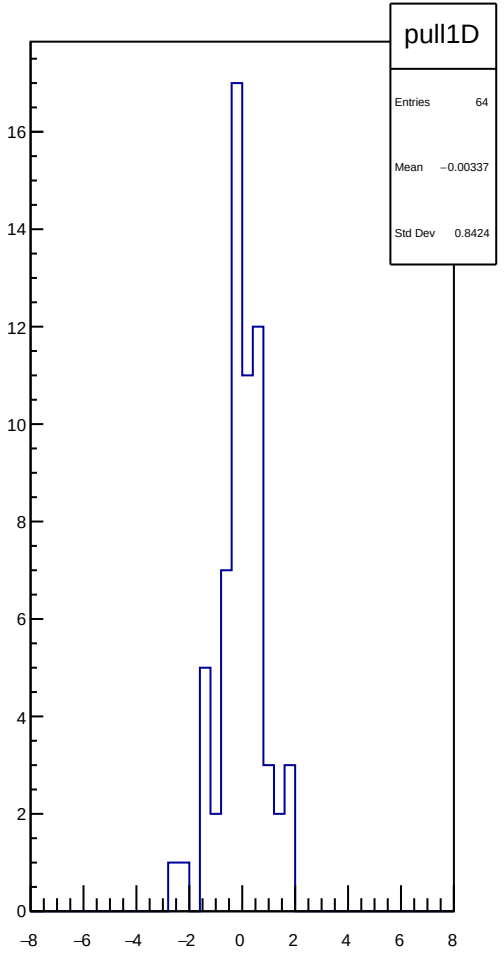

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 154.2 / 63
p0 1101 ± 0.9947
1160
1140
1120
1100
1080

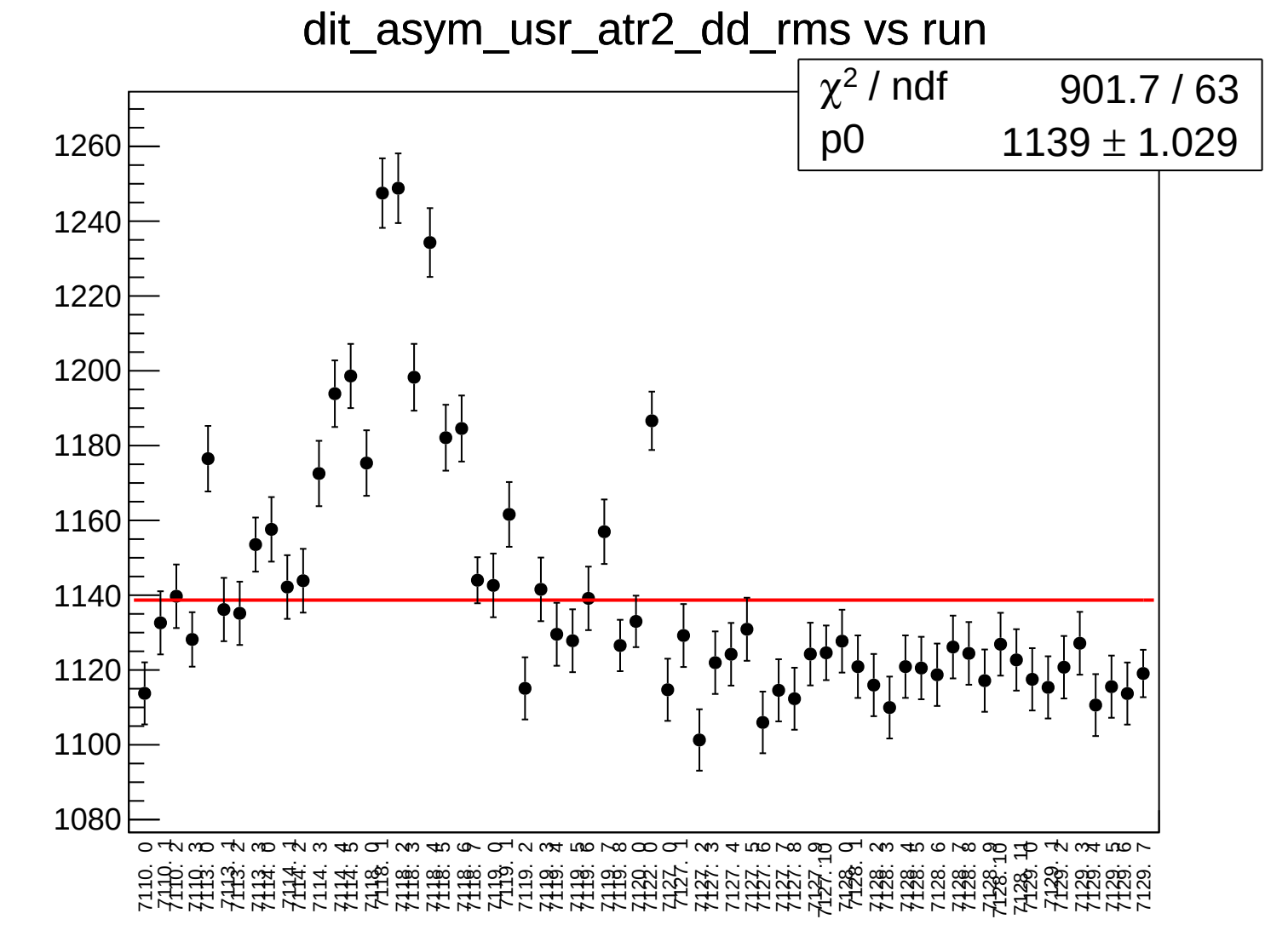

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 54.71 / 63
p0 1462 ± 5271
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 92.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

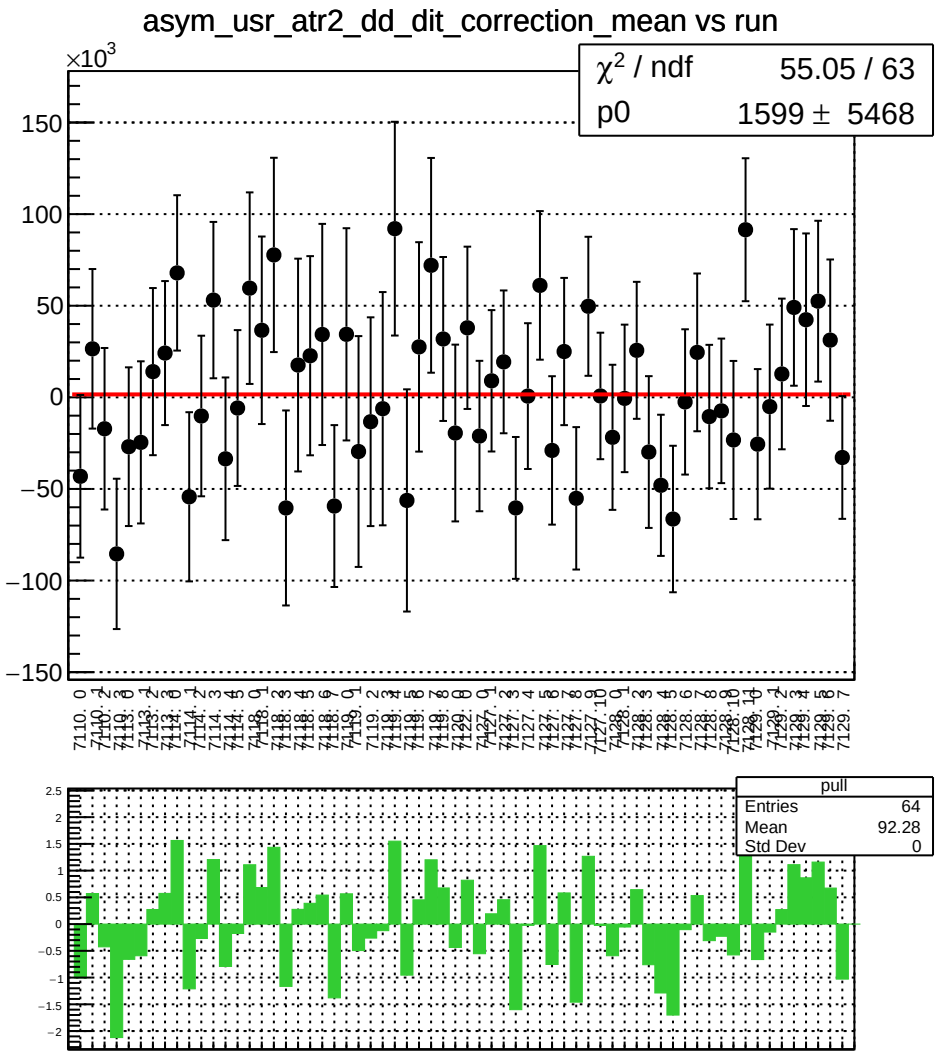

pull1D
Entries 64
Mean 0.02302
Std Dev 0.9243
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

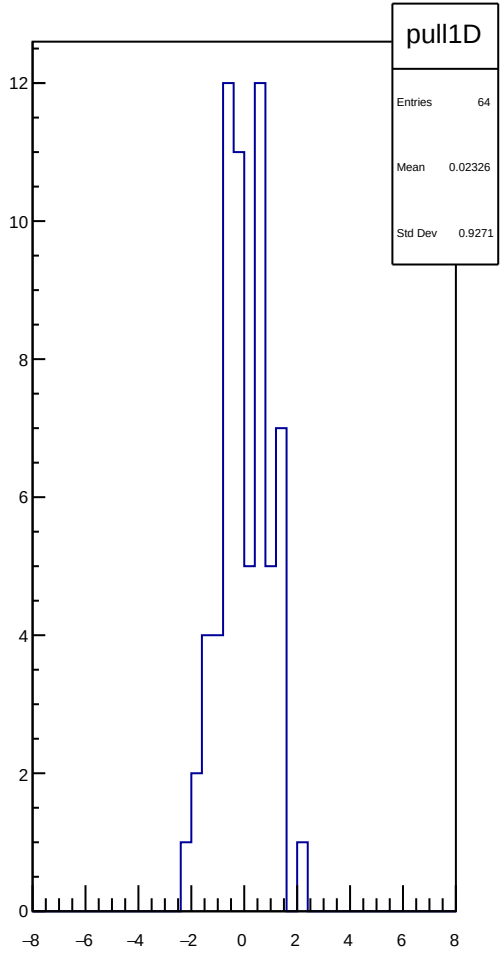

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.639e+04 / 63
p0 4083 ± 3.727
6000
5500
5000
4500
4000
3500

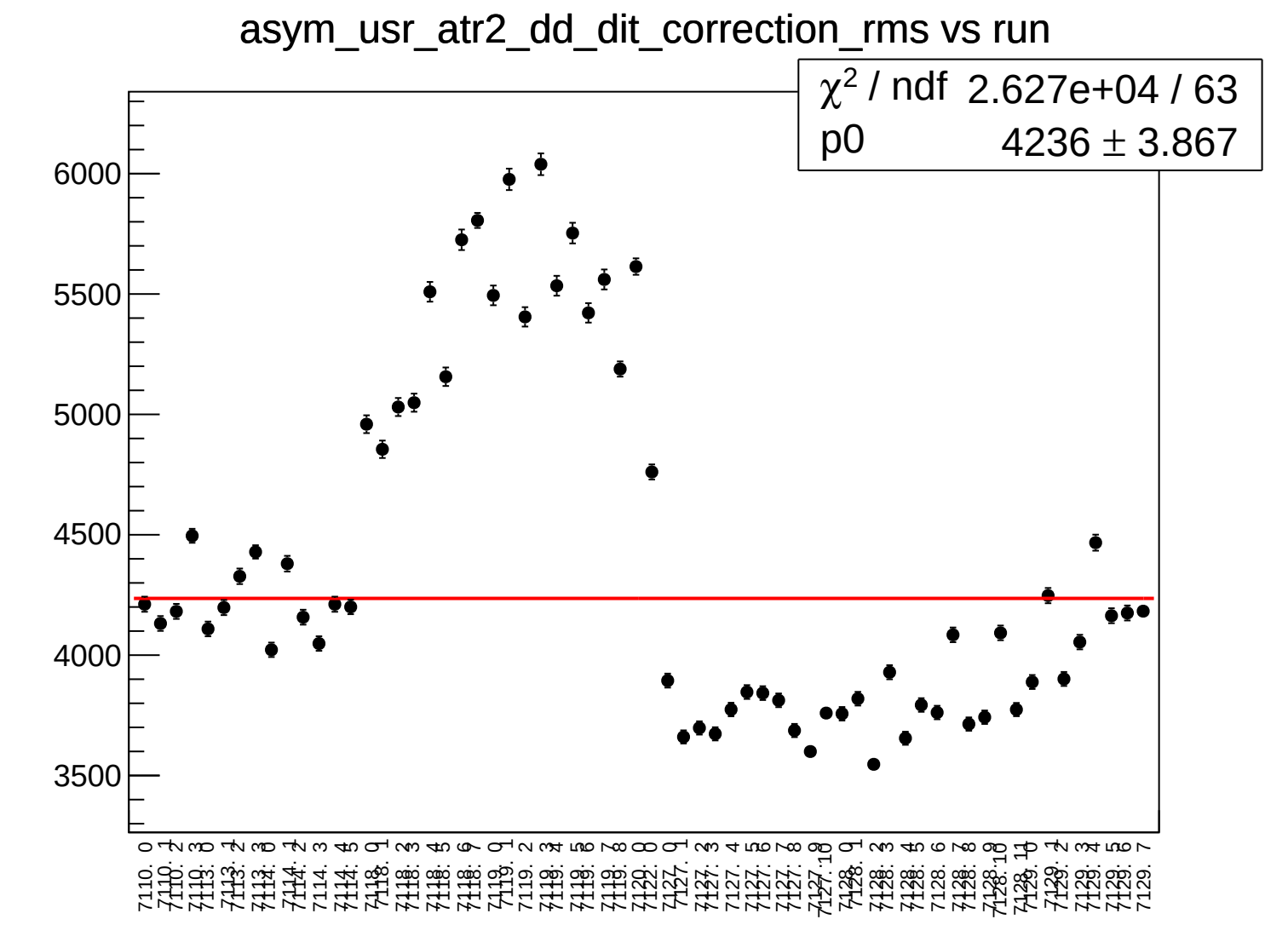

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.42 / 63
p0 −2977 ± 1455
pull
Entries 64
Mean −1261
Std Dev 0

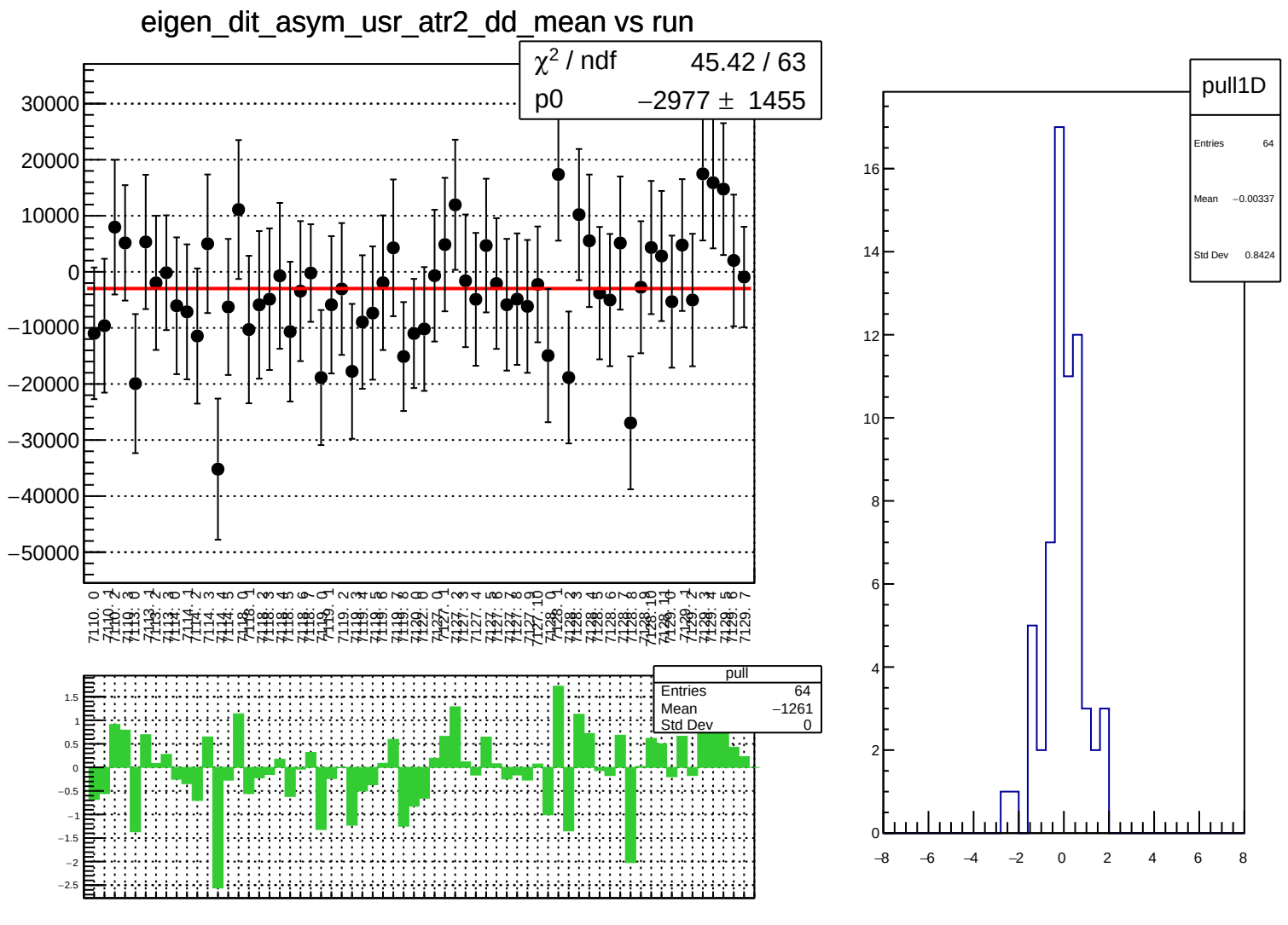

pull1D
Entries 64
Mean −0.00337
Std Dev 0.8424

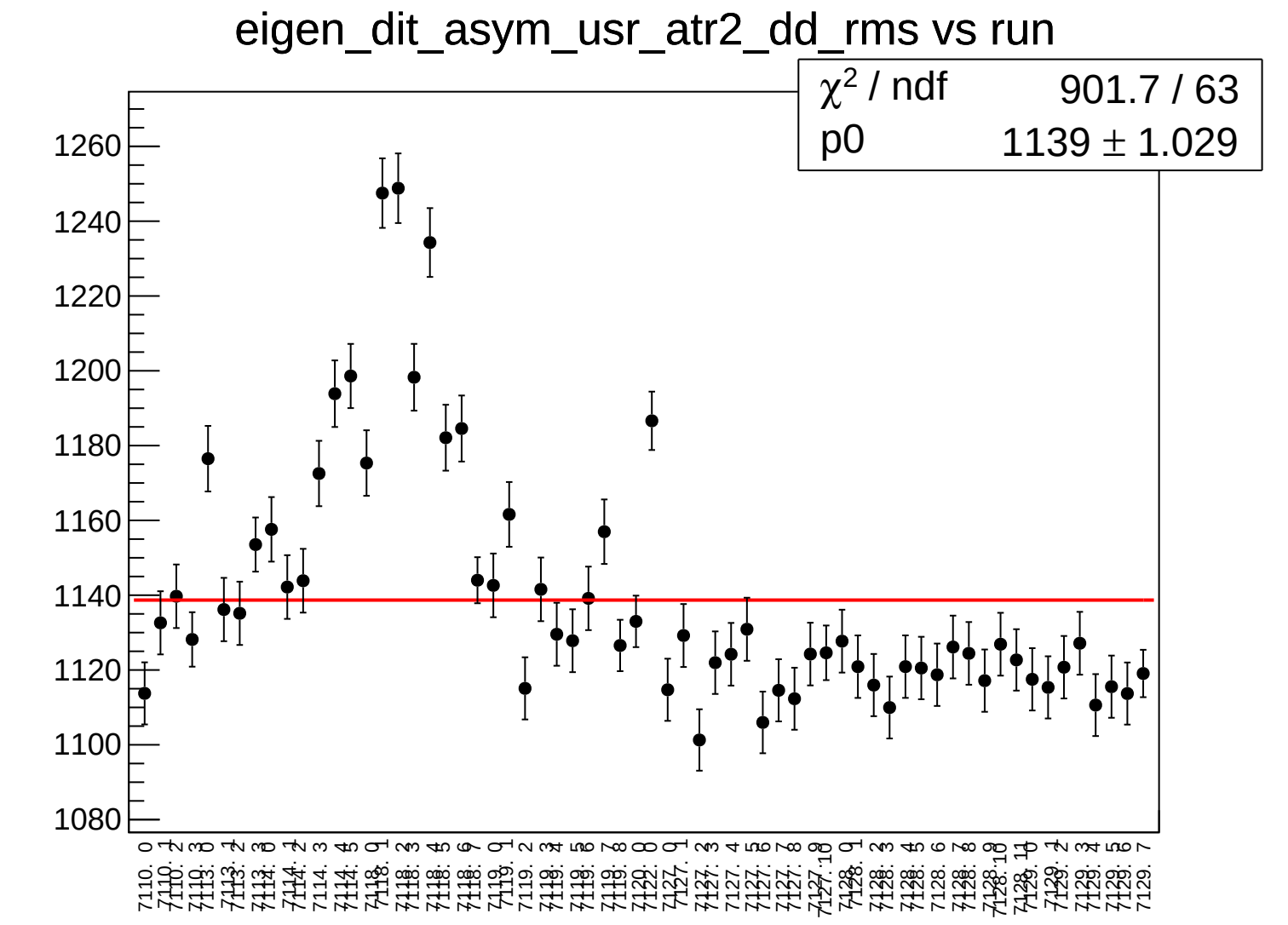

dit_asym_usr_atr2_dd_rms vs run
χ^2 / ndf 901.7 / 63
p0 1139 ± 1.029
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080

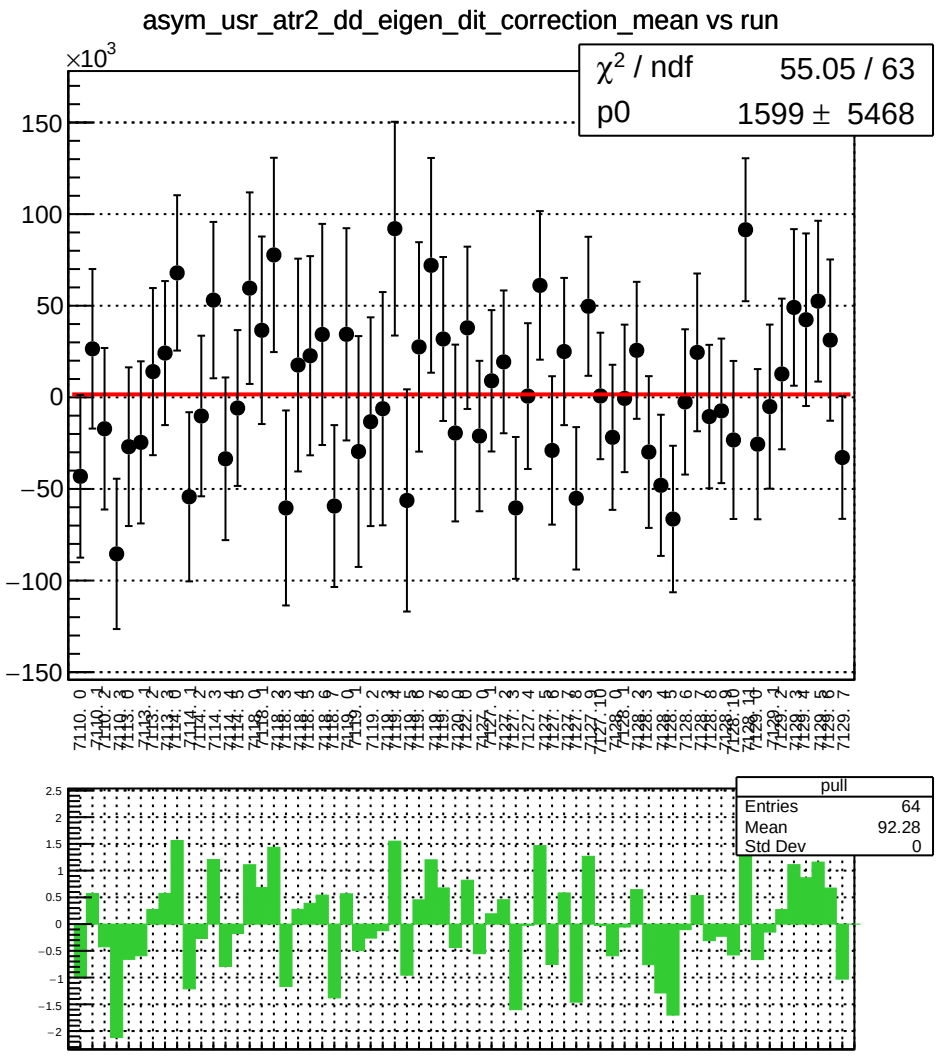

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.05 / 63
p0 1599 ± 5468
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 92.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

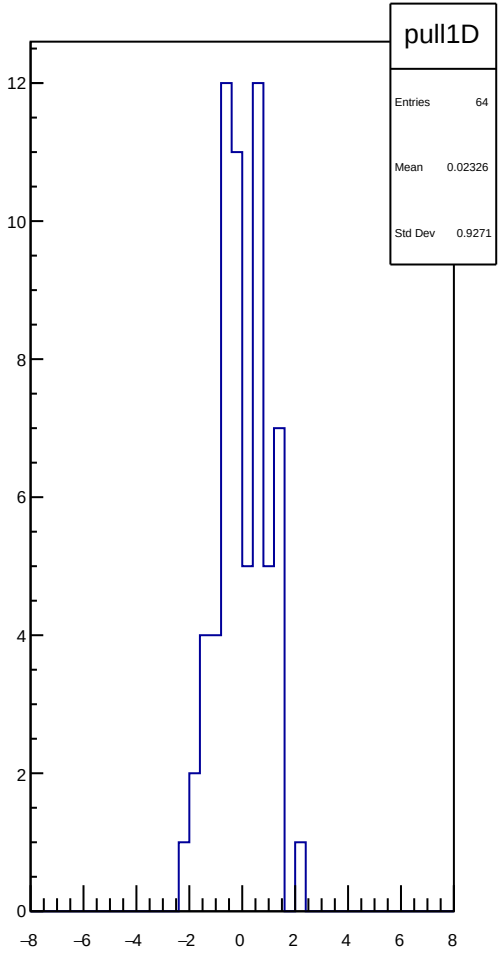

pull1D
Entries 64
Mean 0.02326
Std Dev 0.9271
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

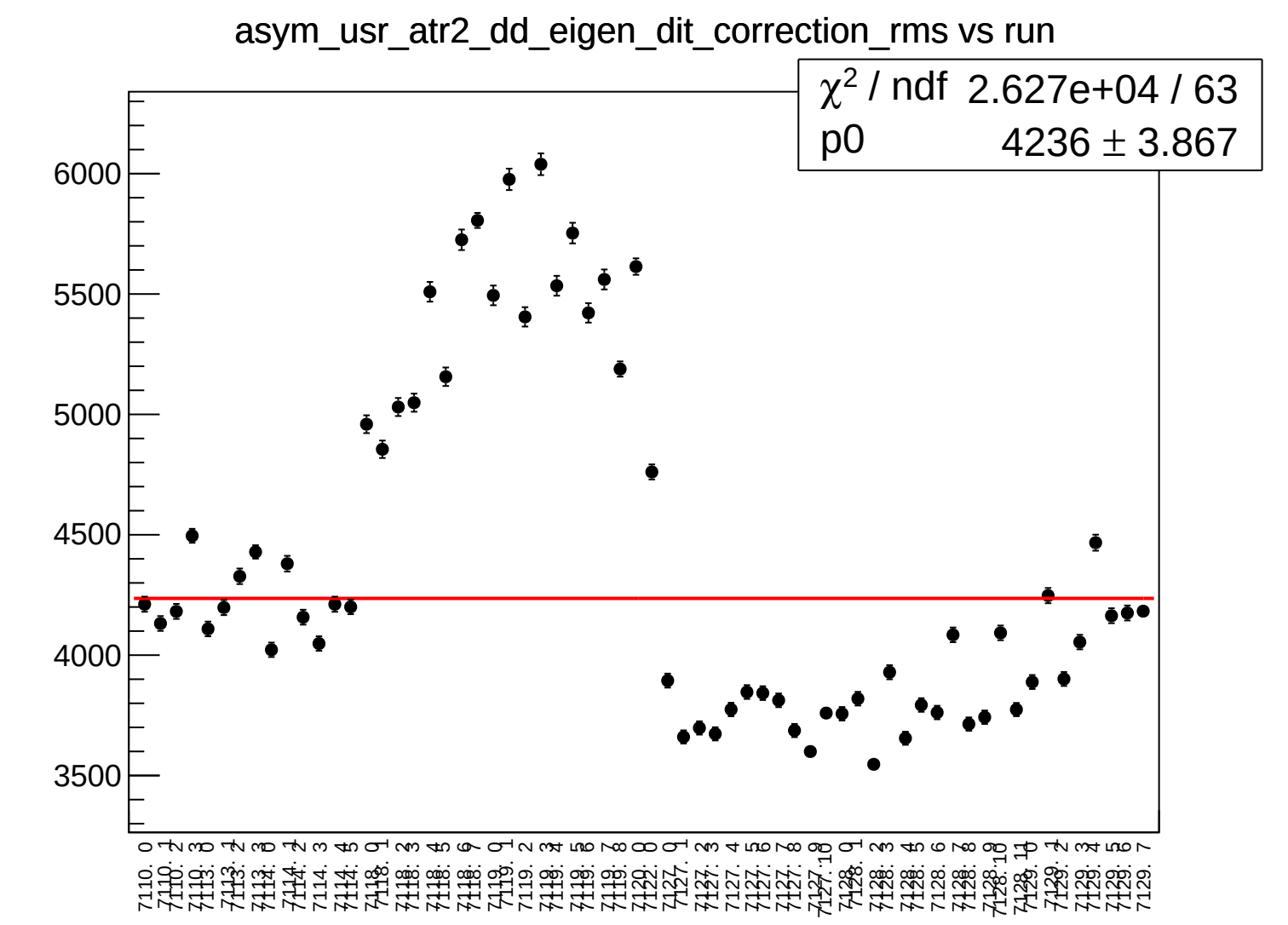

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 2.627e+04 / 63
p0 4236 ± 3.867
6000
5500
5000
4500
4000
3500

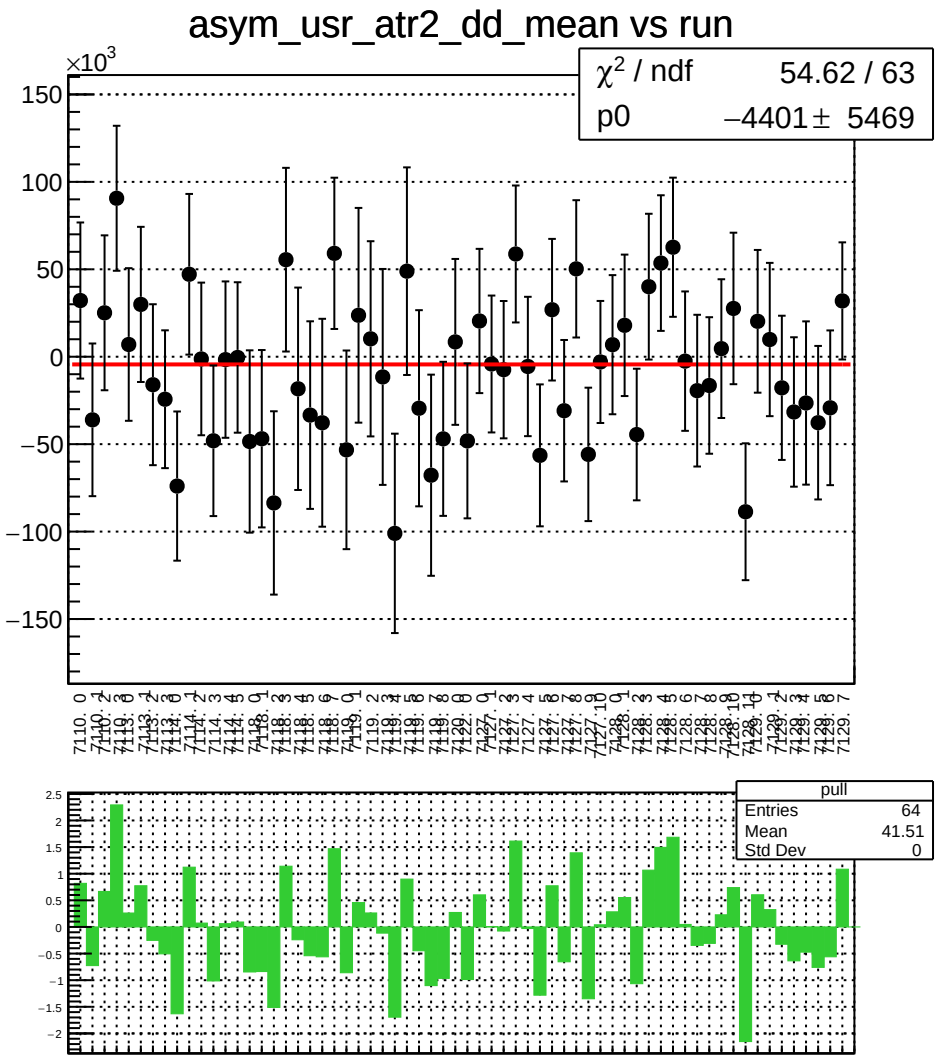

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.42 / 63
p0 −2977 ± 1455
pull
Entries 64
Mean −1261
Std Dev 0
pull1D
Entries 64
Mean −0.00337
Std Dev 0.8424

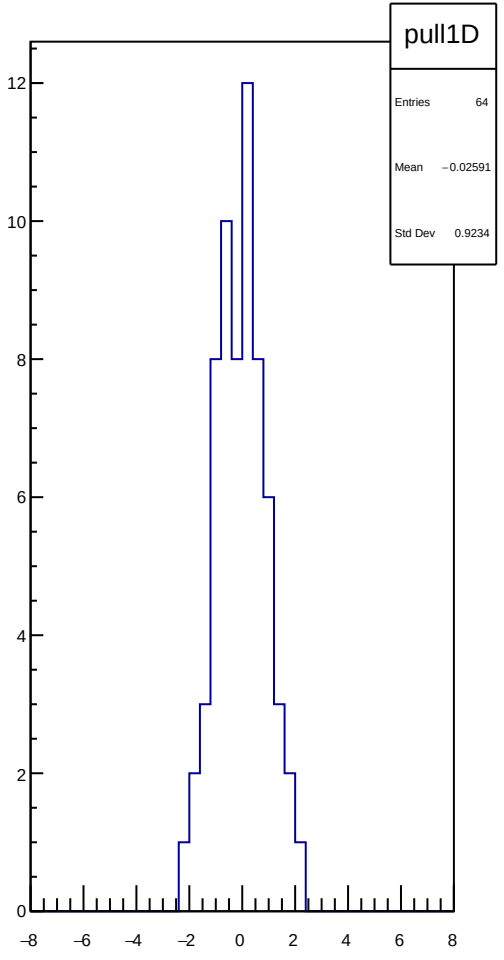

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 901.7 / 63
p0 1139 ± 1.029
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080

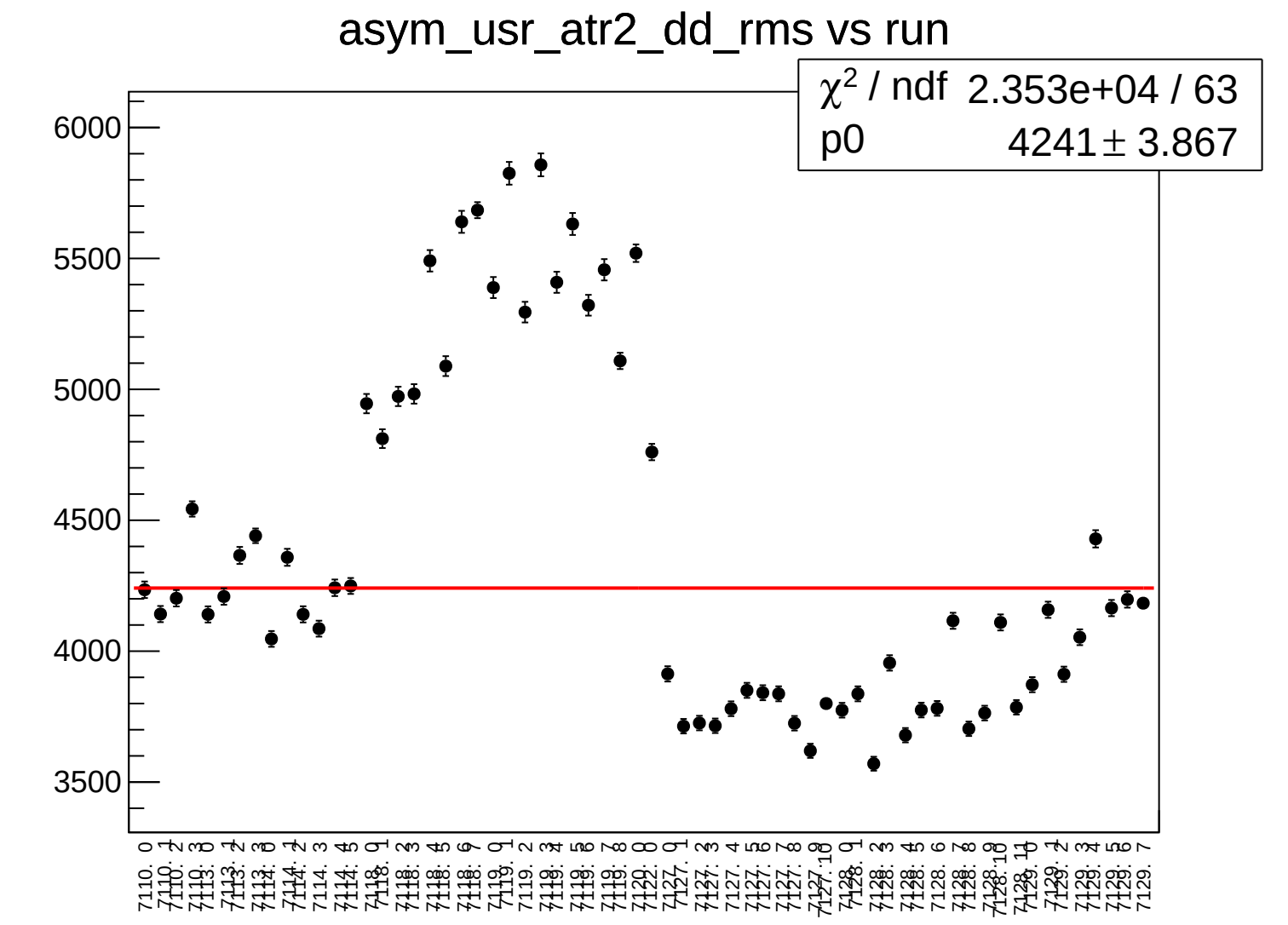

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 55.05 / 63
p0 1599 ± 5468
150
100
50
0
−50
−100
−150
pull
Entries 64
Mean 92.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

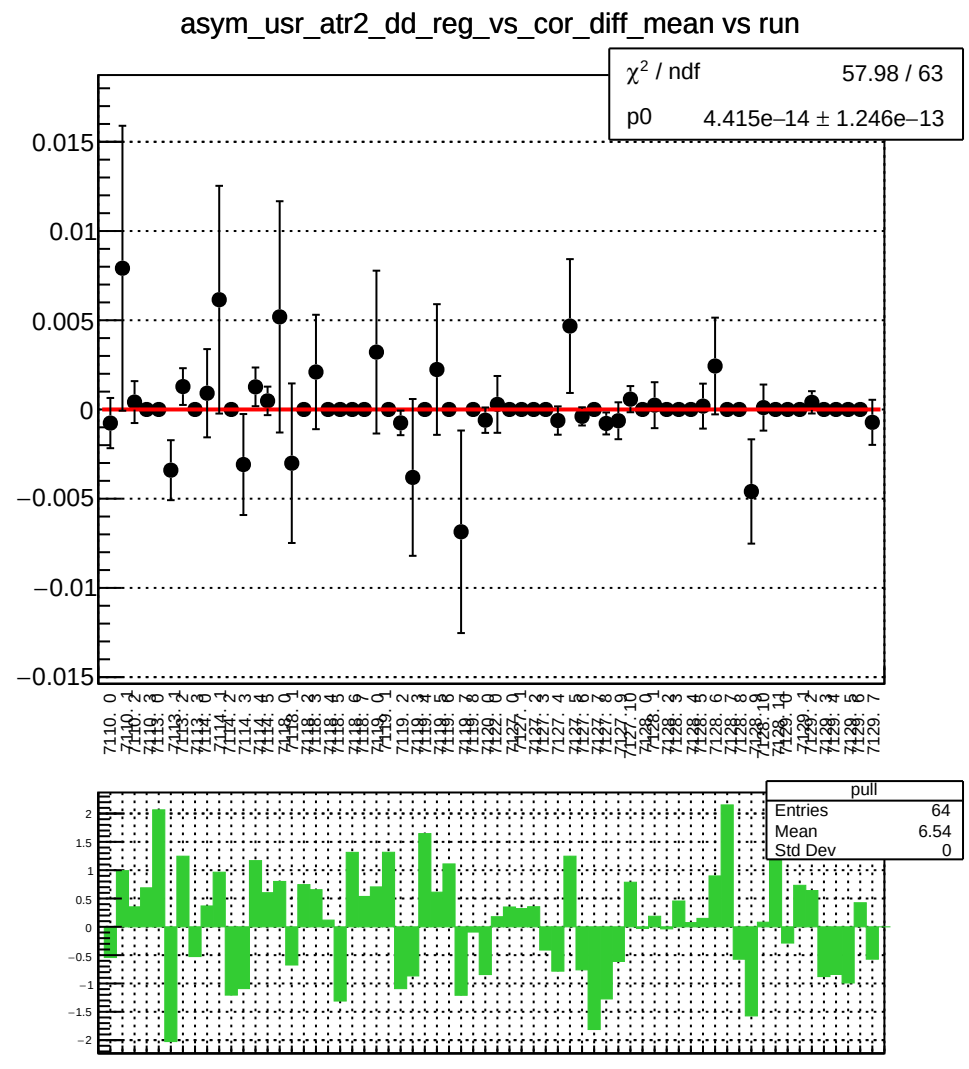

pull1D
Entries 64
Mean 0.02326
Std Dev 0.9271
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

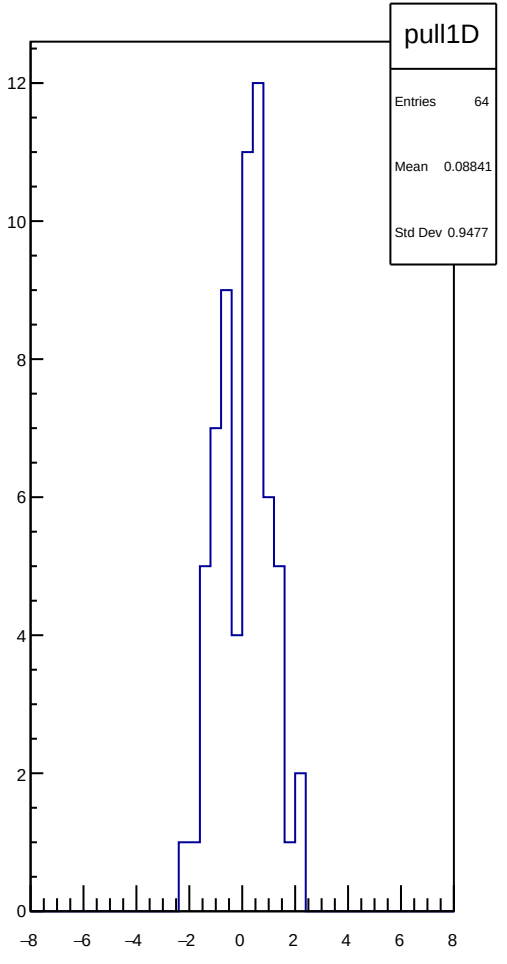

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.627e+04 / 63
p0 4236 ± 3.867
6000
5500
5000
4500
4000
3500

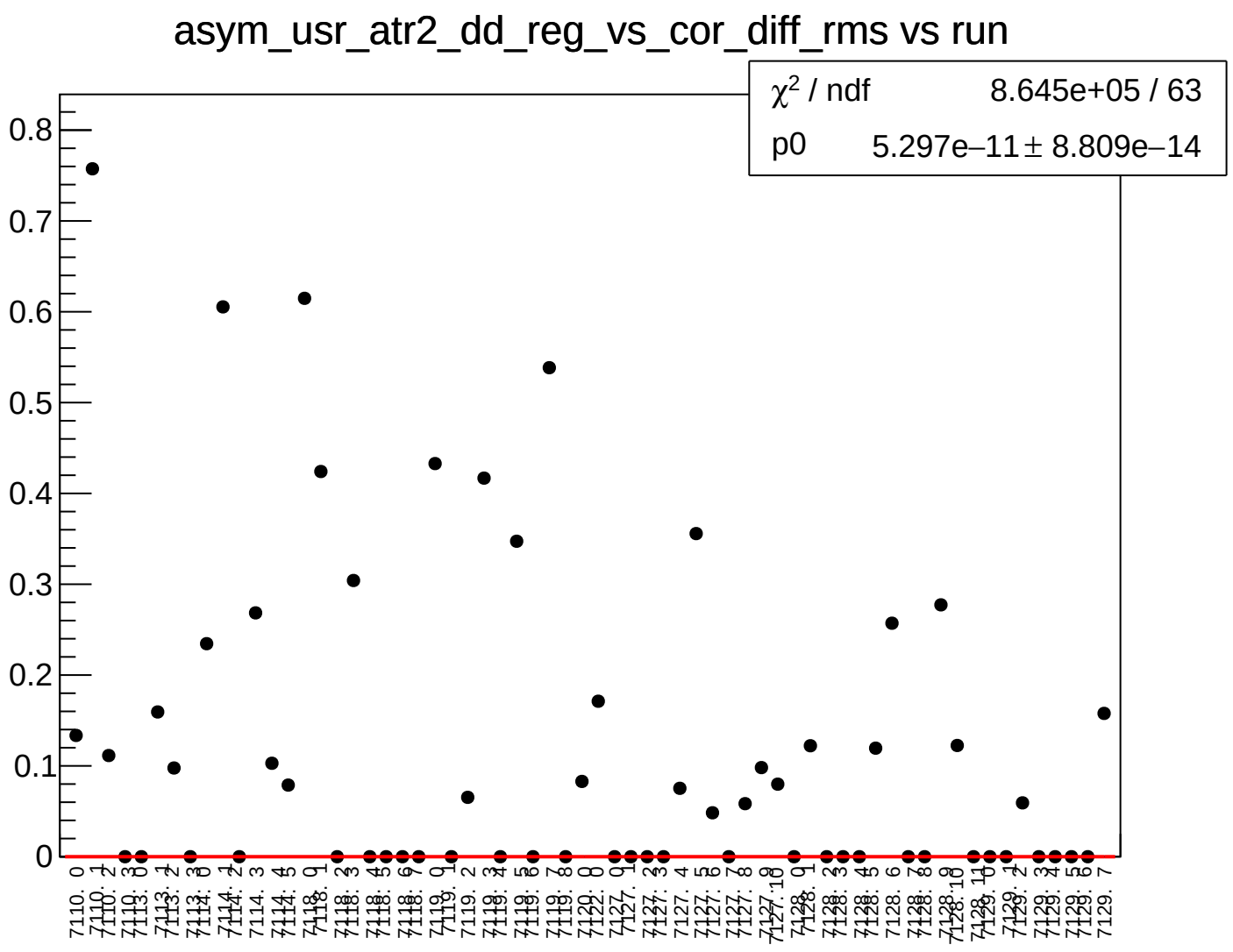

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 54.62 / 63
p0 −4401 ± 5469
pull
Entries 64
Mean 41.51
Std Dev 0

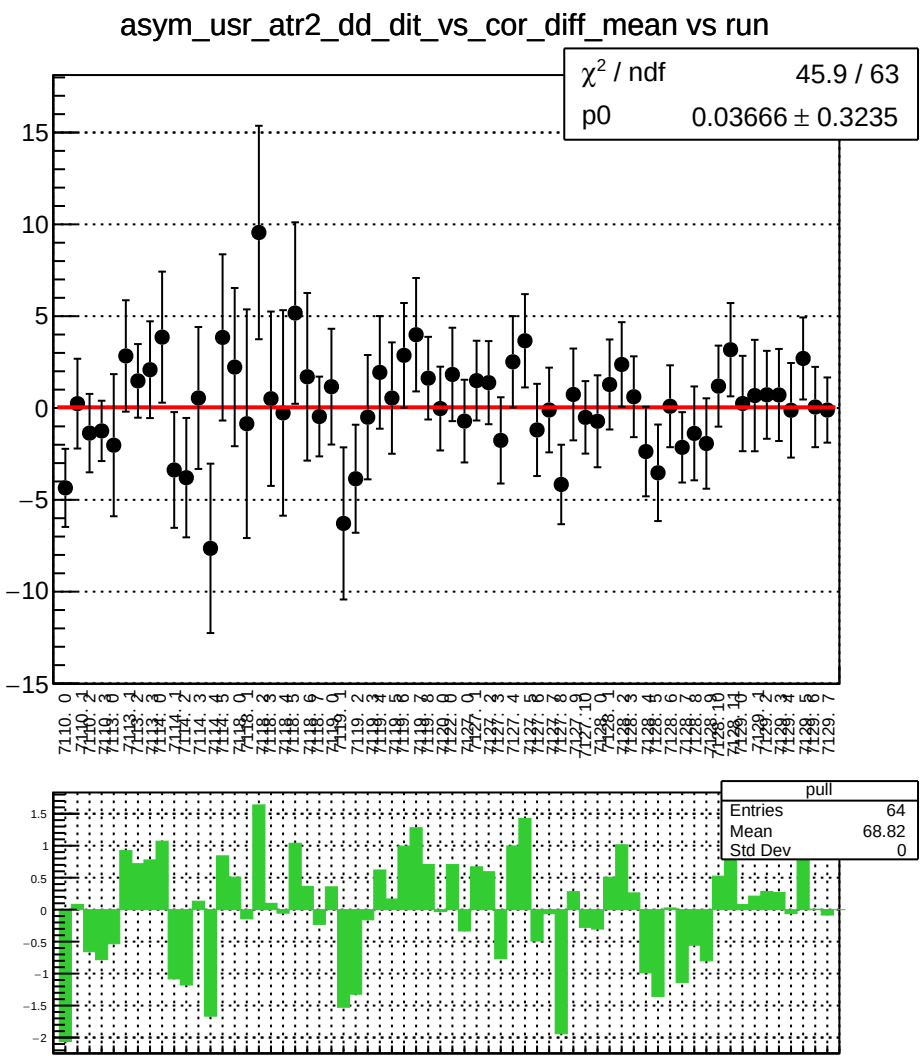

pull1D
Entries 64
Mean −0.02591
Std Dev 0.9234

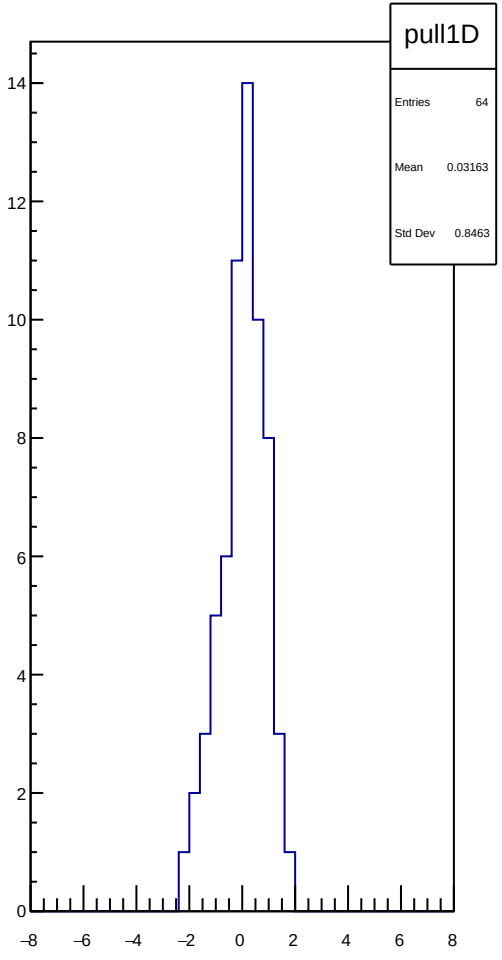

asym_usr_atr2_dd_rms vs run
χ² / ndf 2.353e+04 / 63
p0 4241 ± 3.867
6000
5500
5000
4500
4000
3500

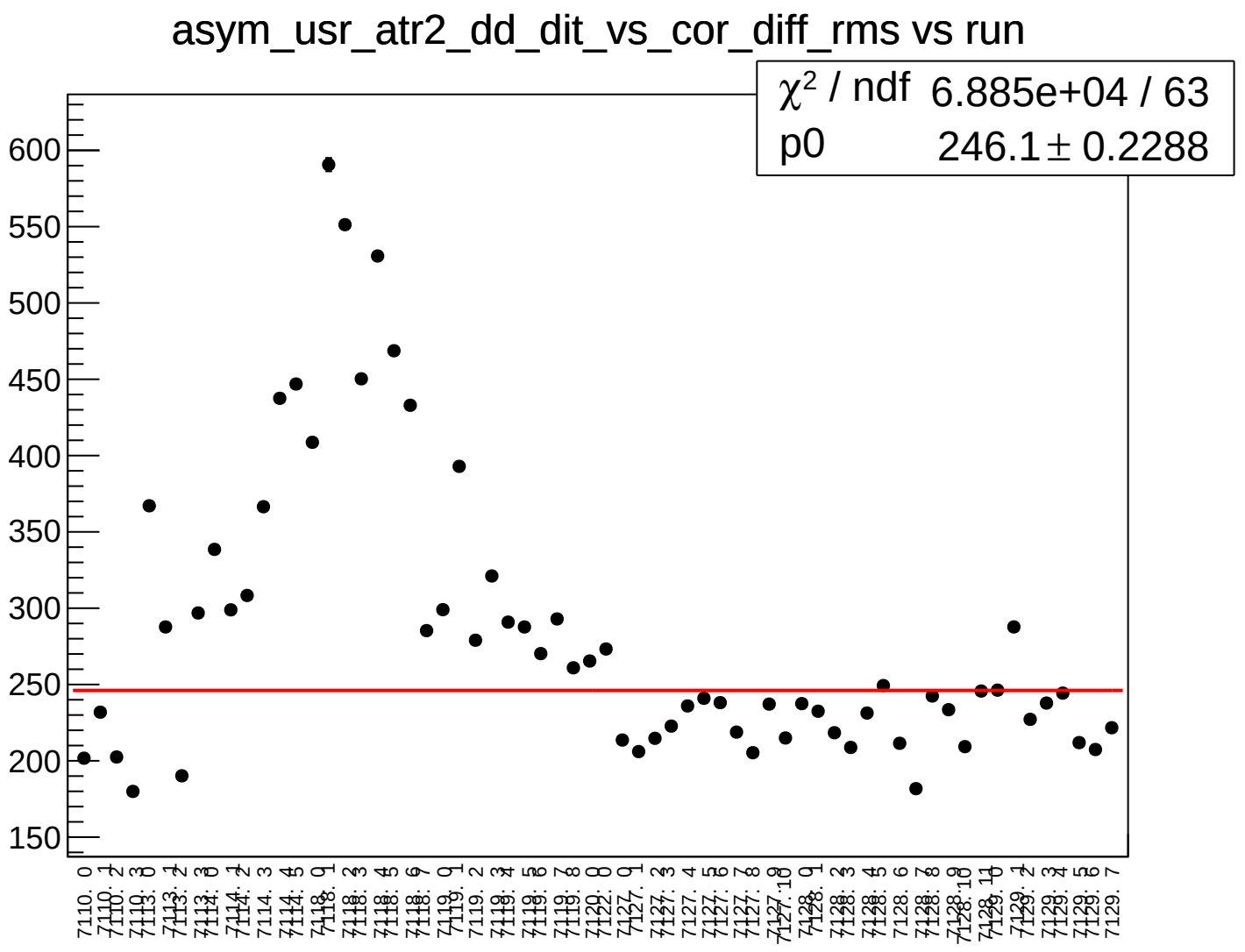

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.98 / 63
p0 4.415e−14 ± 1.246e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 64
Mean 6.54
Std Dev 0

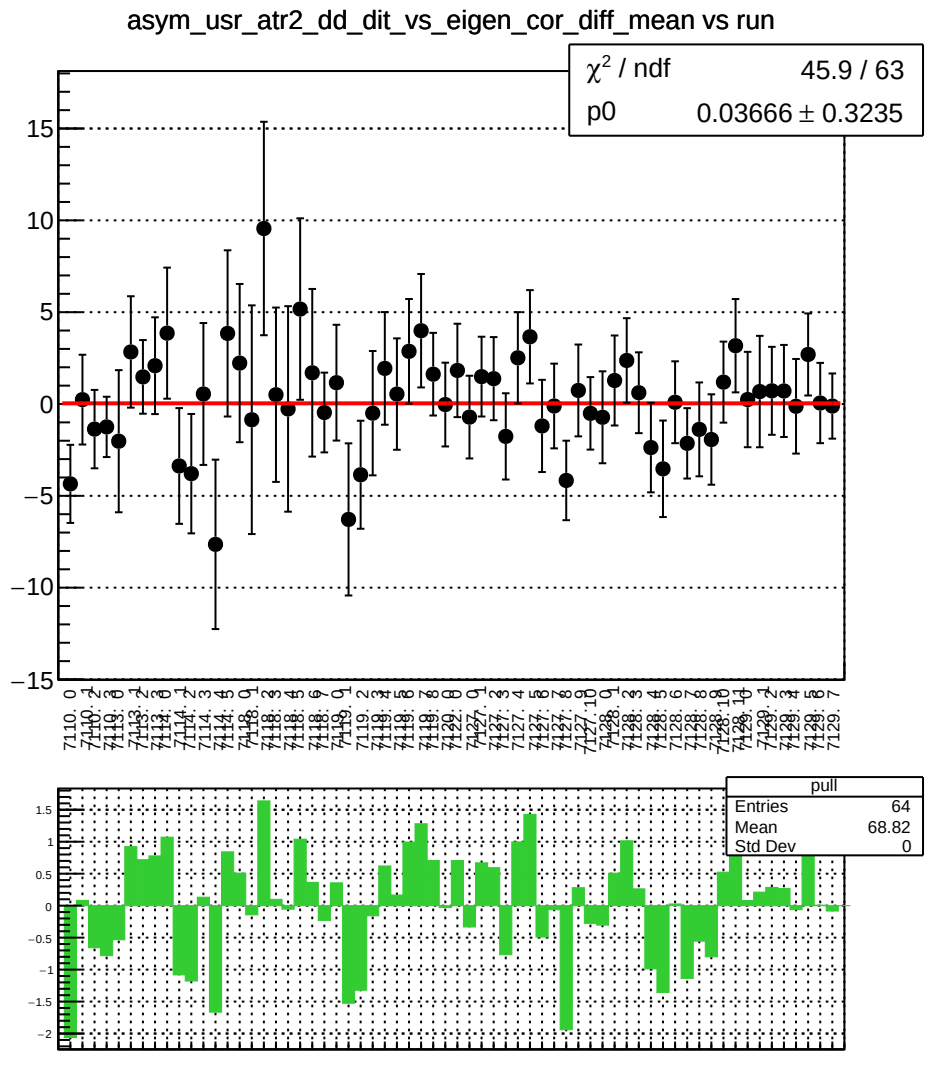

pull1D
Entries 64
Mean 0.08841
Std Dev 0.9477
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

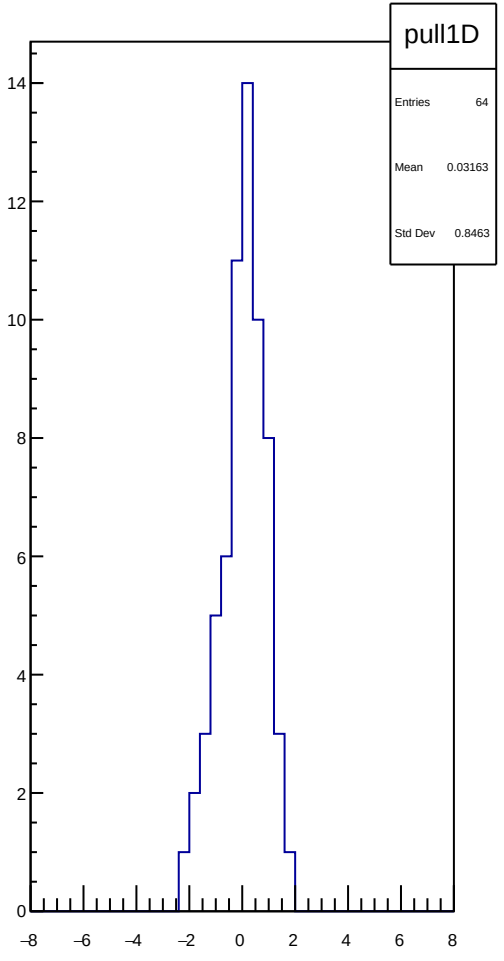

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.645e+05 / 63
p0 5.297e−11 ± 8.809e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

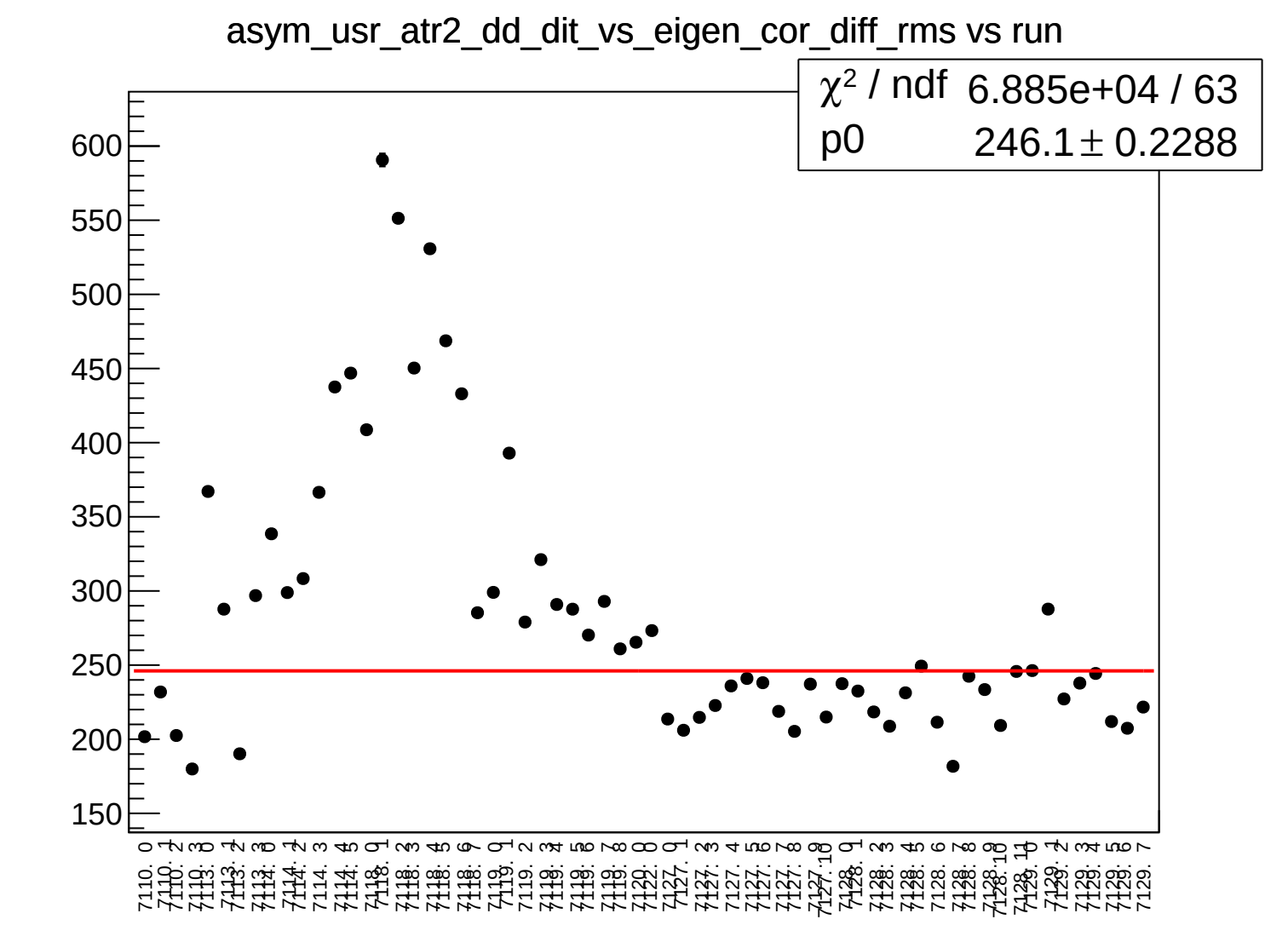

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.9 / 63
p0 0.03666 ± 0.3235
pull
Entries 64
Mean 68.82
Std Dev 0

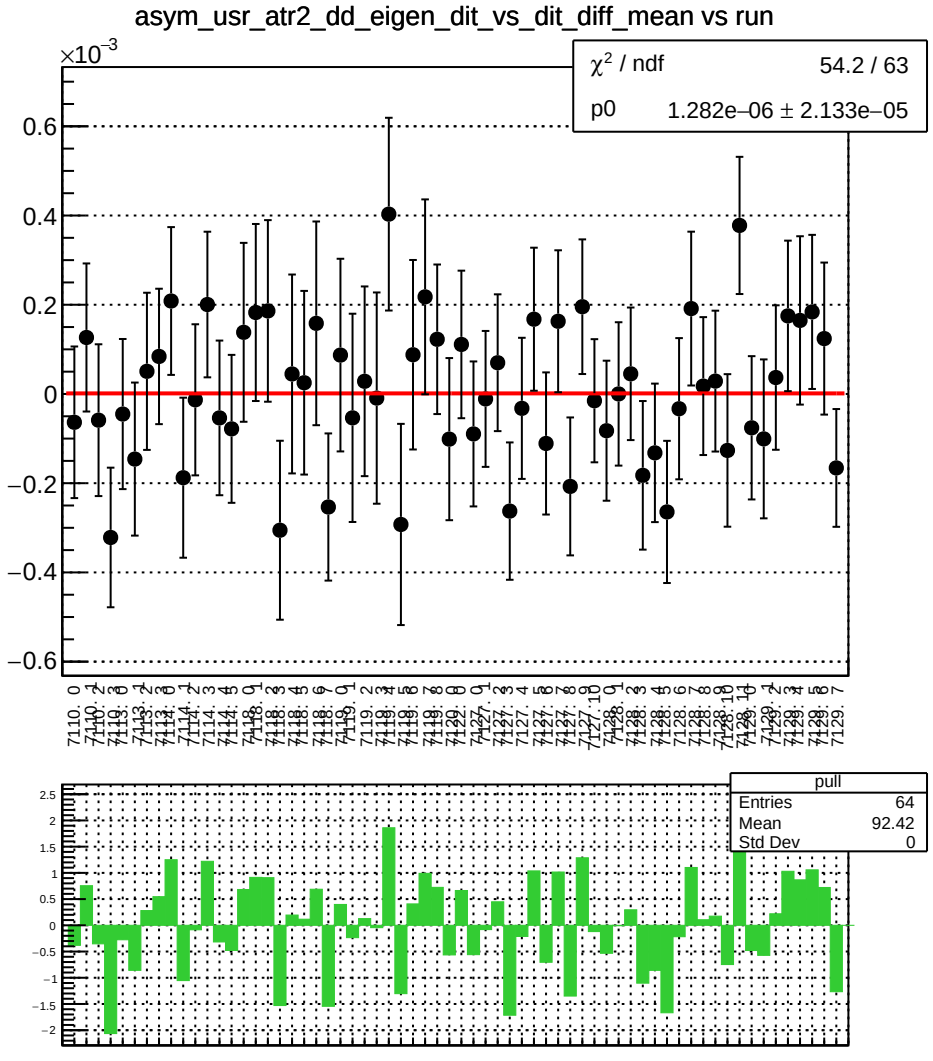

pull1D
Entries 64
Mean 0.03163
Std Dev 0.8463

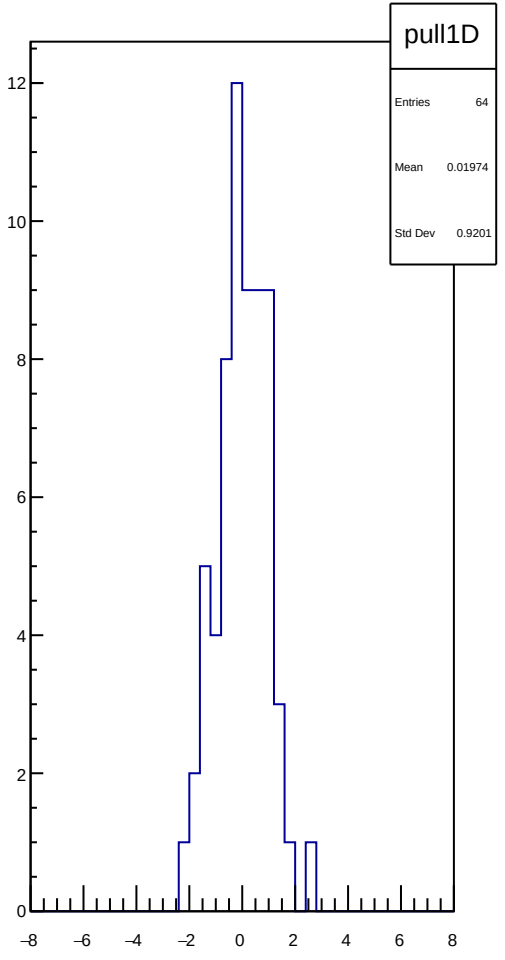

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.885e+04 / 63
p0 246.1 ± 0.2288
600
550
500
450
400
350
300
250
200
150

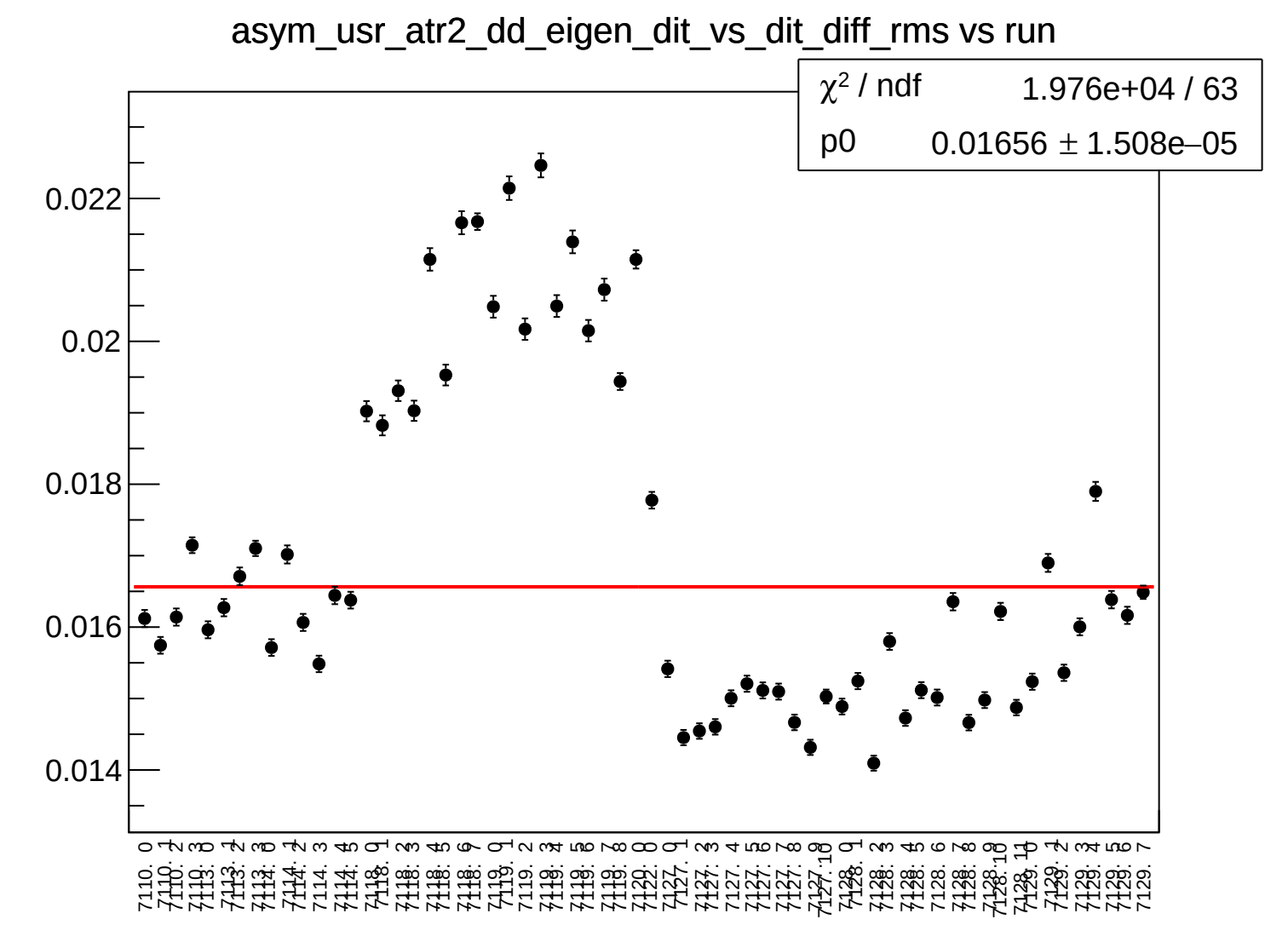

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.9 / 63
p0 0.03666 ± 0.3235
pull
Entries 64
Mean 68.82
Std Dev 0

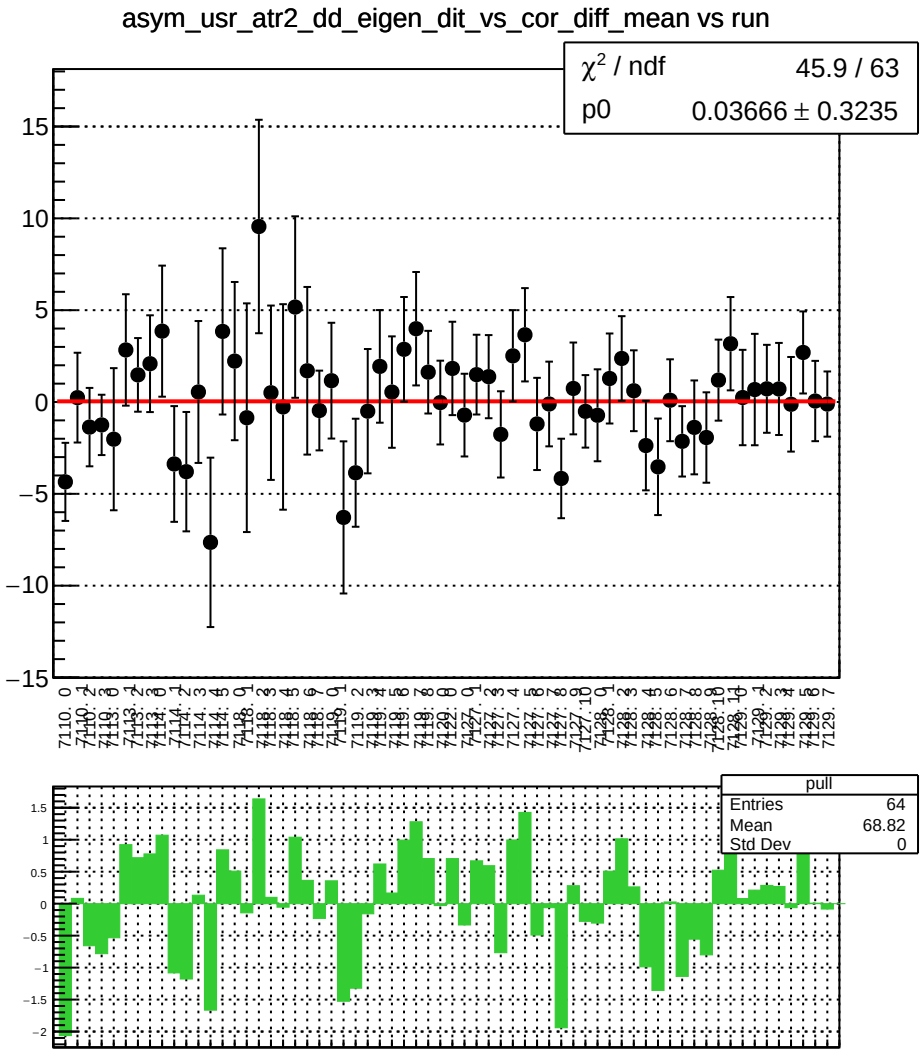

pull1D
Entries 64
Mean 0.03163
Std Dev 0.8463

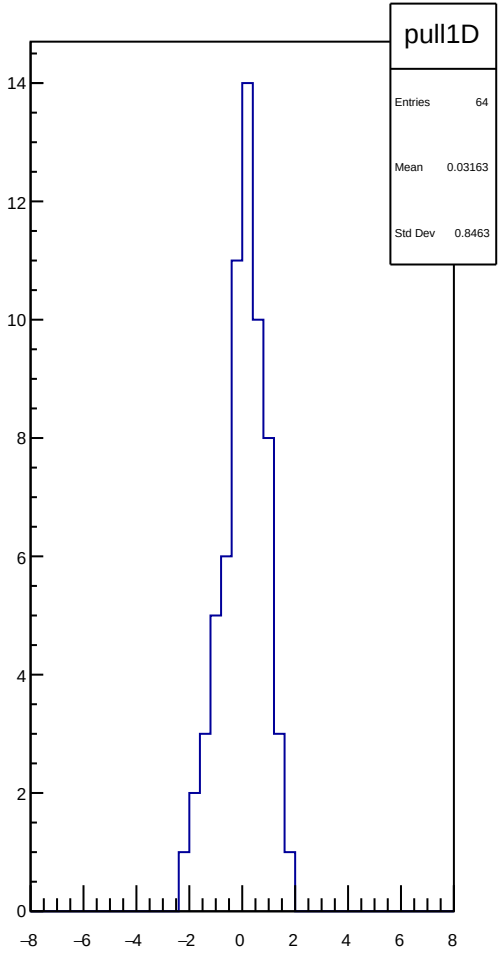

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.885e+04 / 63
p0 246.1 ± 0.2288
600
550
500
450
400
350
300
250
200
150

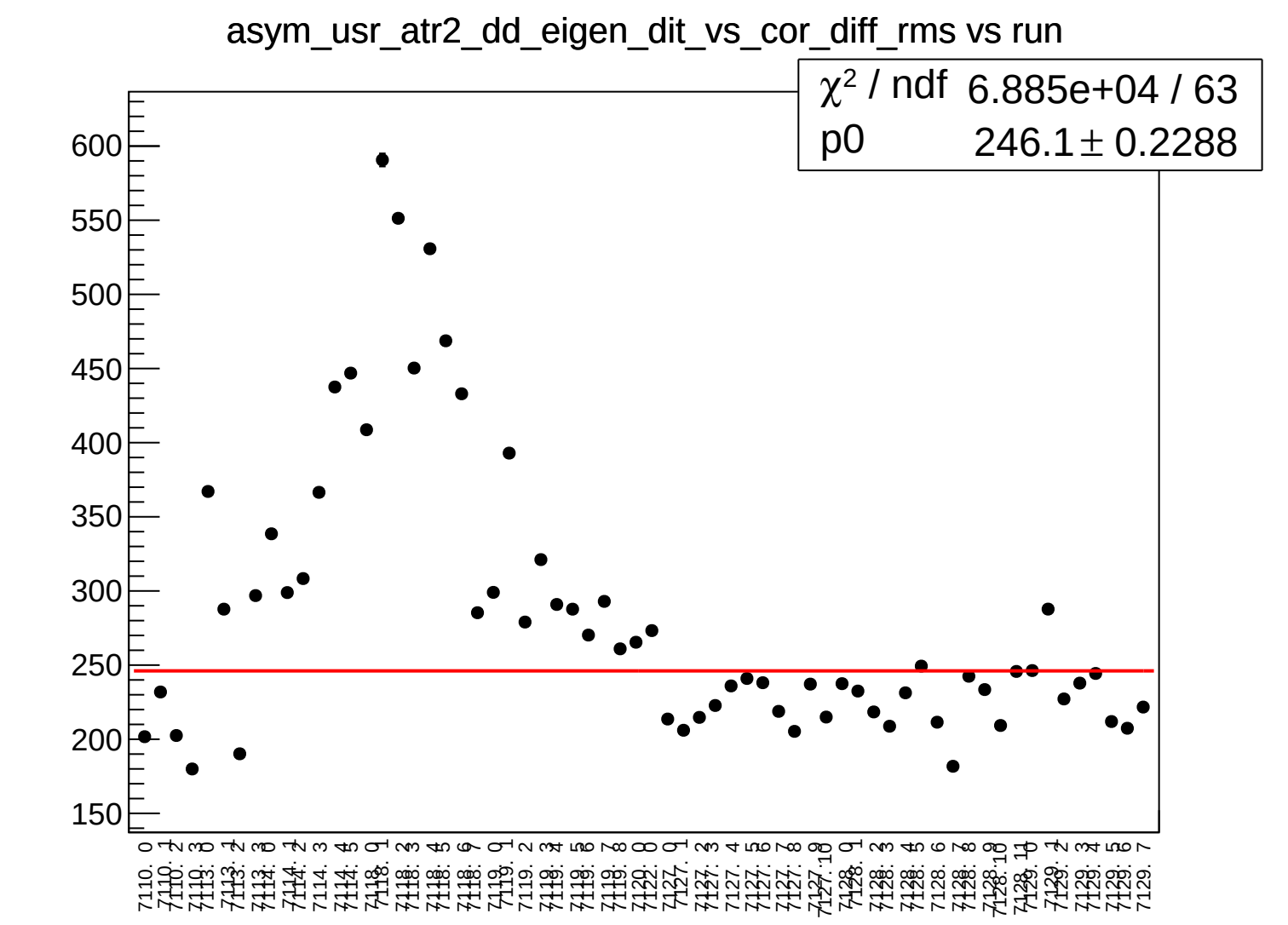

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.2 / 63
p0 1.282e−06 ± 2.133e−05
pull
Entries 64
Mean 92.42
Std Dev 0

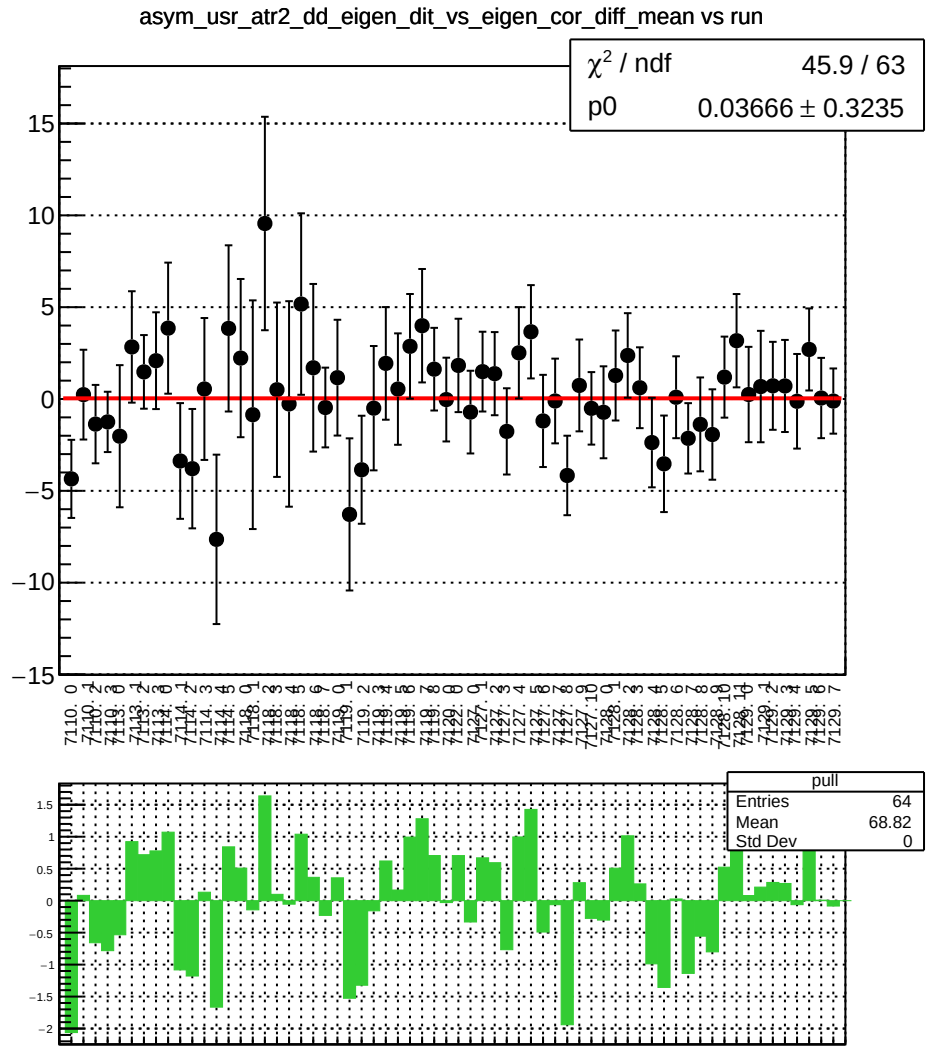

pull1D
Entries 64
Mean 0.01974
Std Dev 0.9201

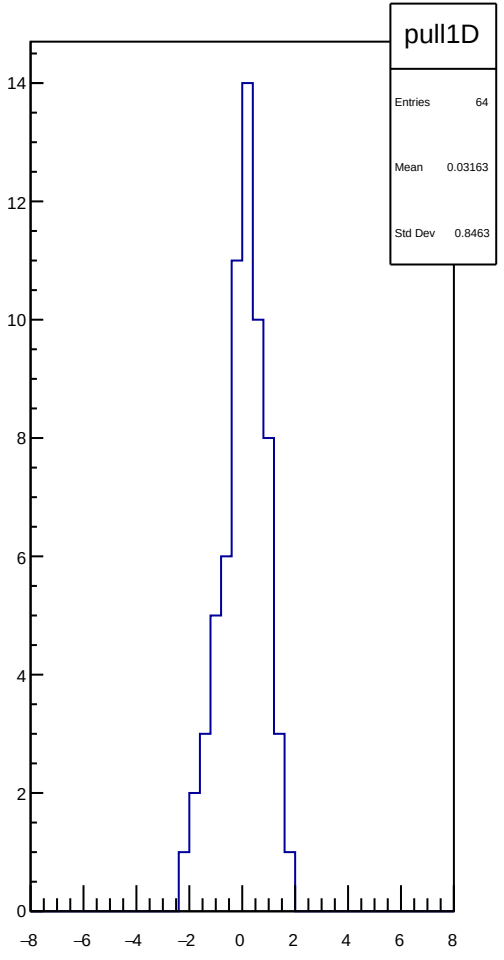

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.976e+04 / 63
p0 0.01656 ± 1.508e–05
0.022
0.02
0.018
0.016
0.014

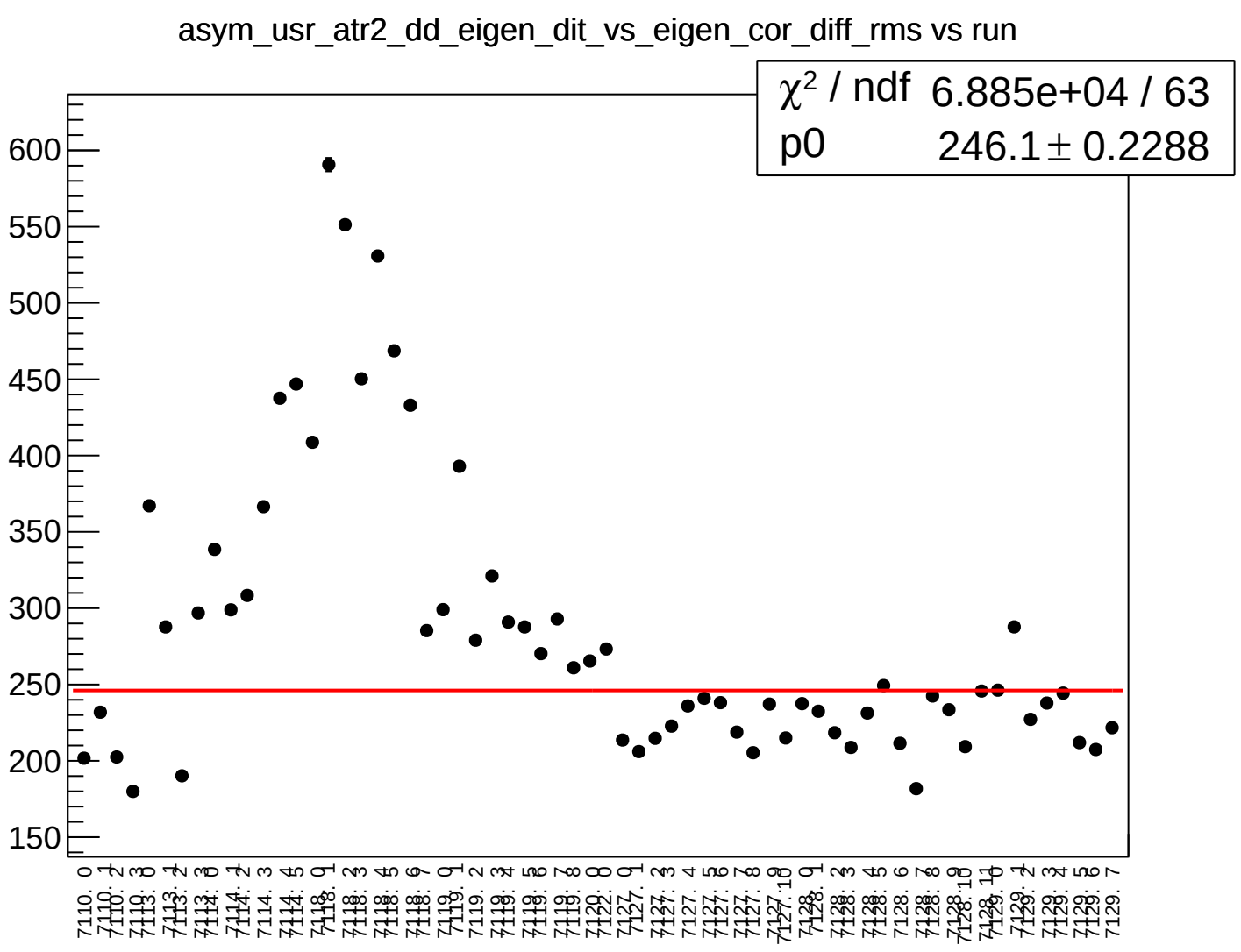

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.9 / 63
p0 0.03666 ± 0.3235
pull
Entries 64
Mean 68.82
Std Dev 0

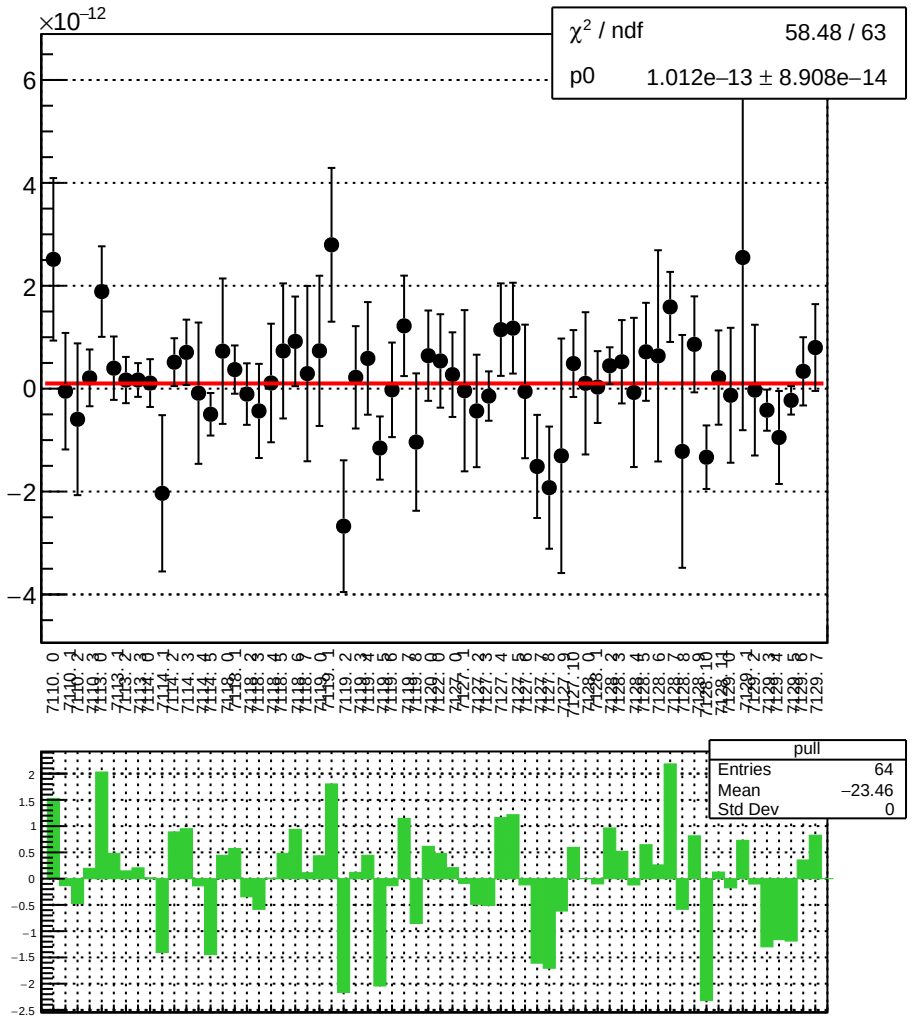

pull1D
Entries 64
Mean 0.03163
Std Dev 0.8463

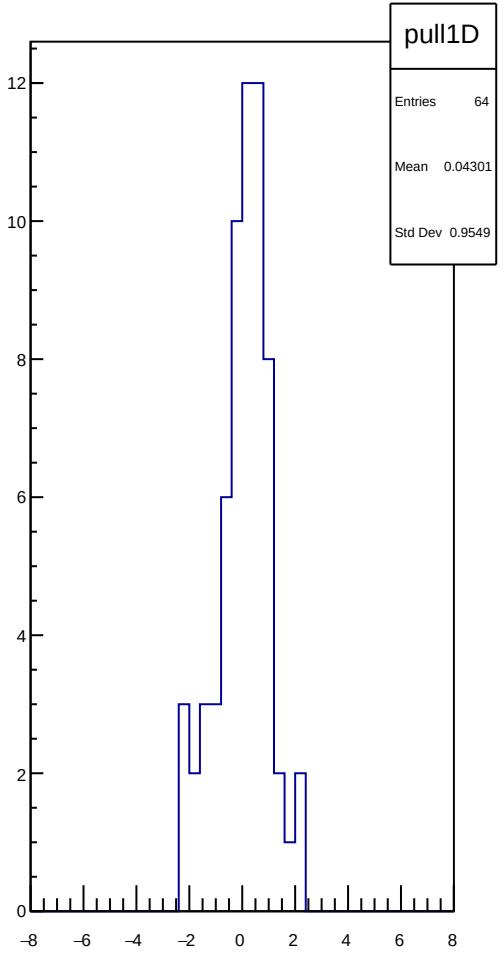

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.885e+04 / 63
p0 246.1 ± 0.2288
600
550
500
450
400
350
300
250
200
150

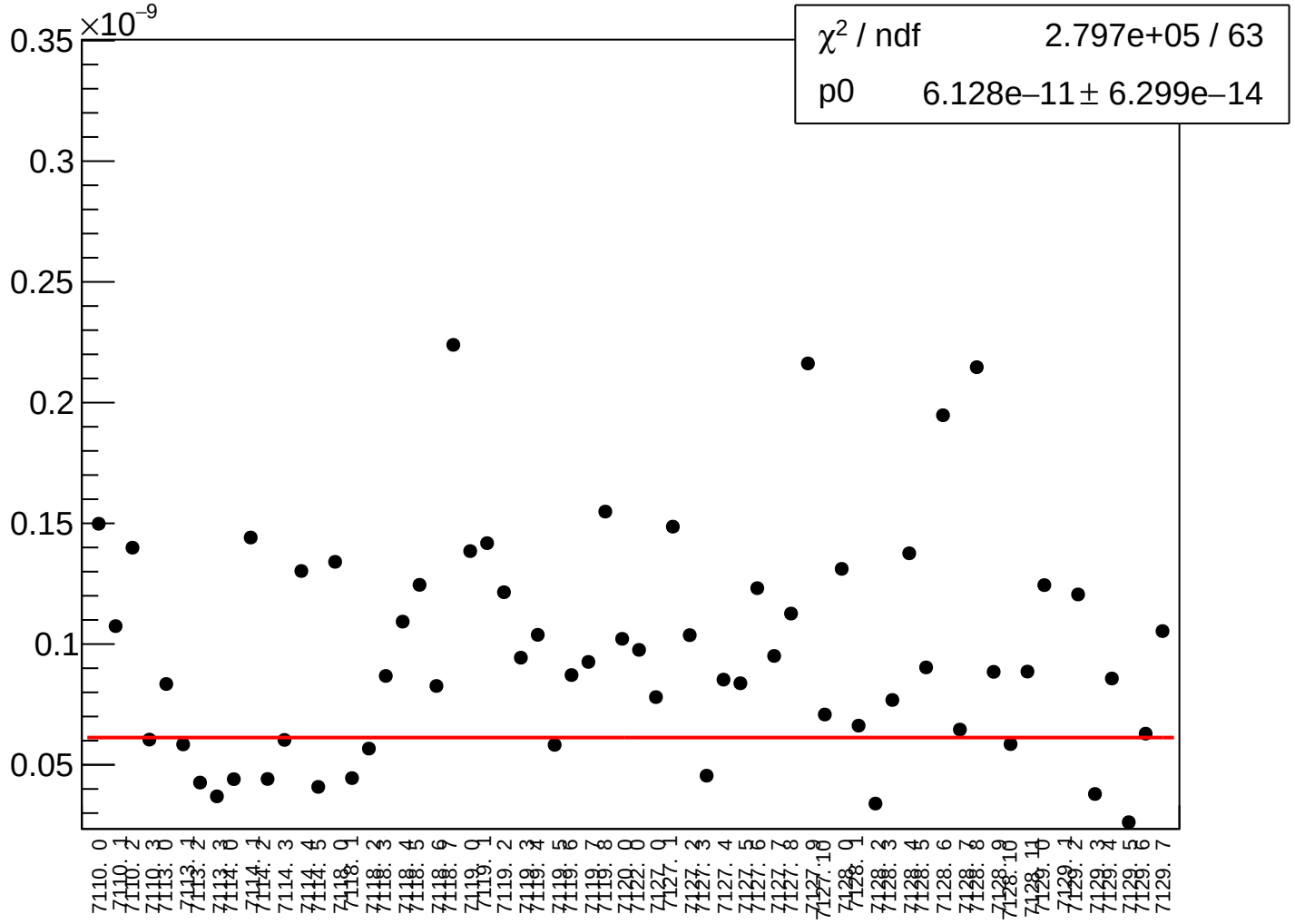

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.9 / 63
p0 0.03666 ± 0.3235
pull
Entries 64
Mean 68.82
Std Dev 0

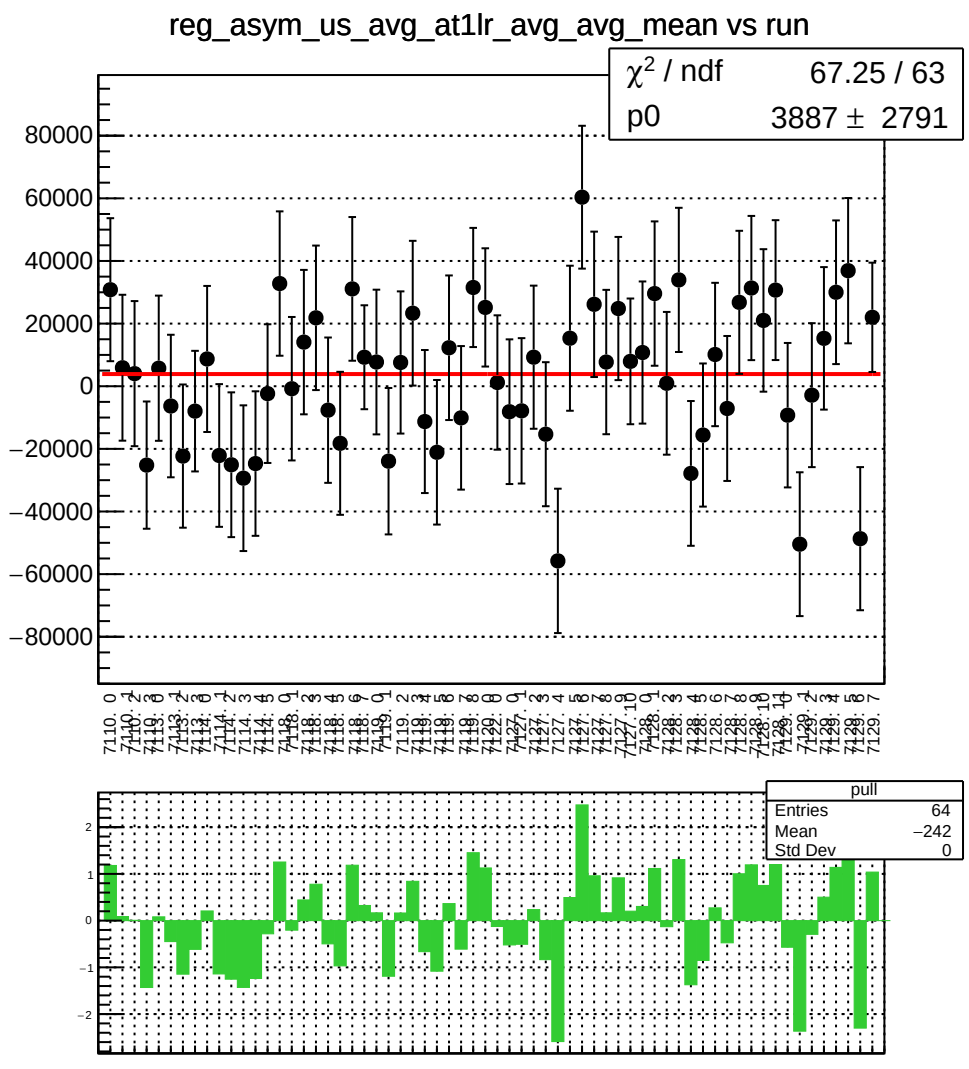

pull1D
Entries 64
Mean 0.03163
Std Dev 0.8463

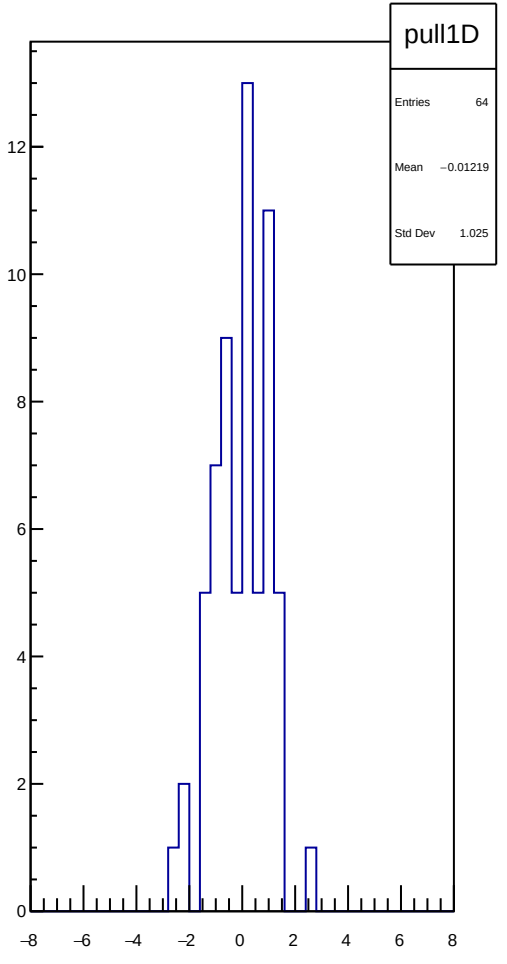

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.885e+04 / 63
p0 246.1 ± 0.2288
600
550
500
450
400
350
300
250
200
150

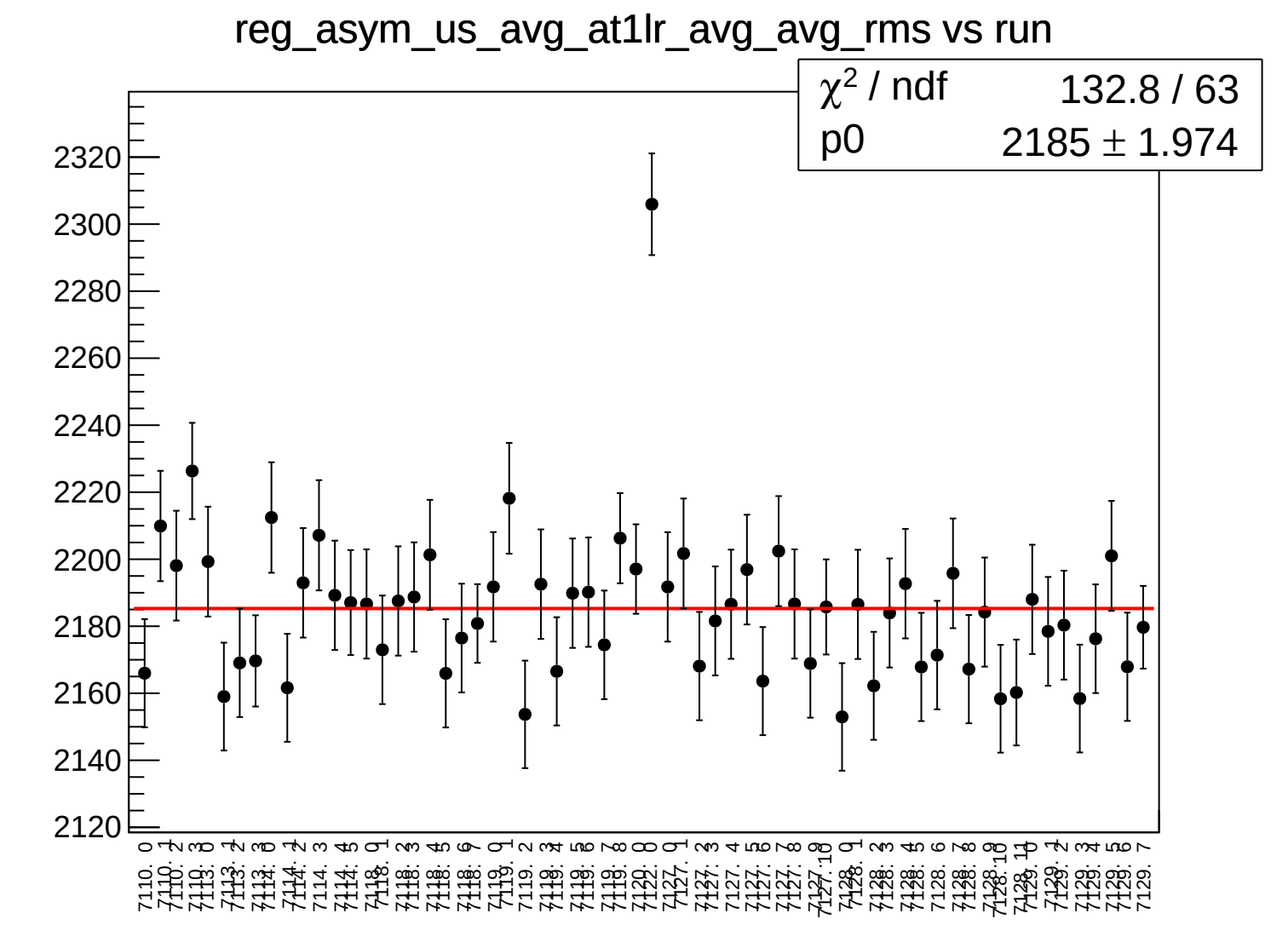

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.48 / 63
p0 1.012e−13 ± 8.908e−14
pull
Entries 64
Mean −23.46
Std Dev 0

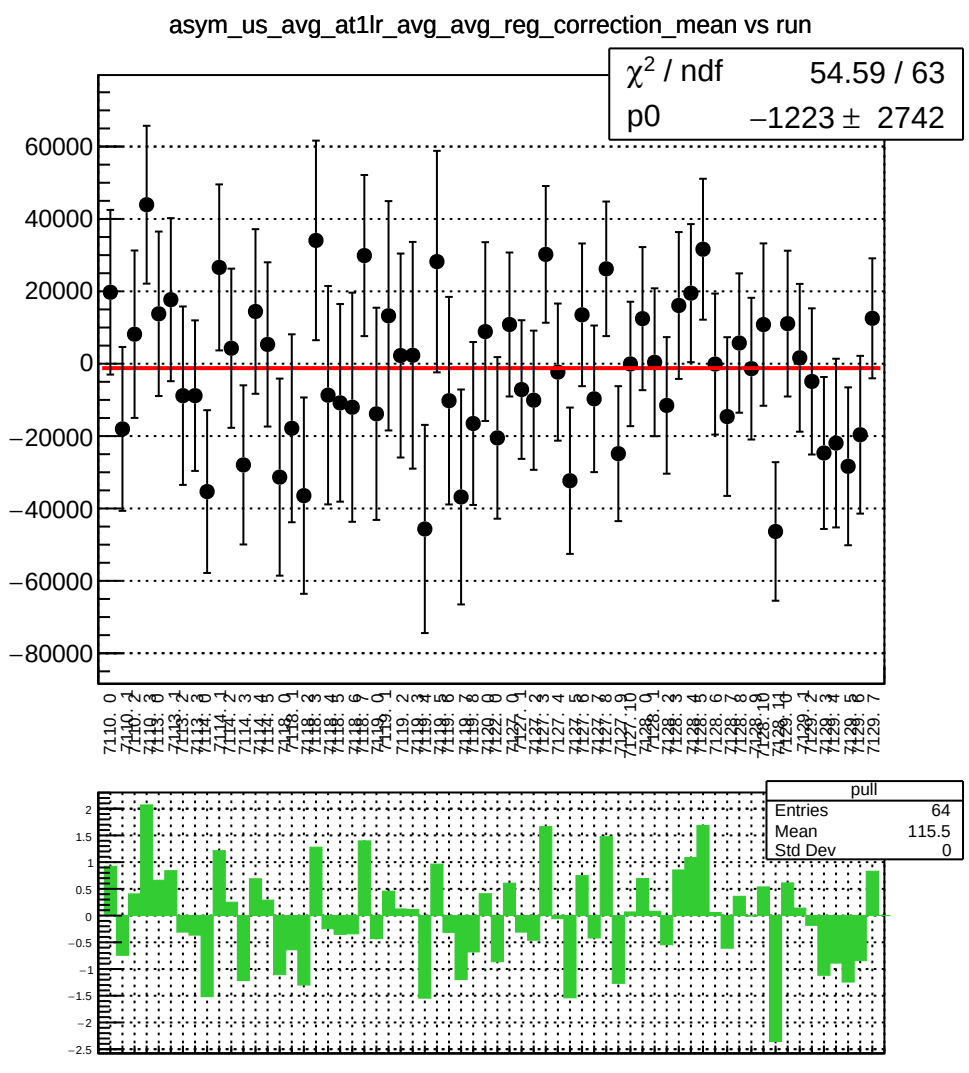

pull1D
Entries 64
Mean 0.04301
Std Dev 0.9549

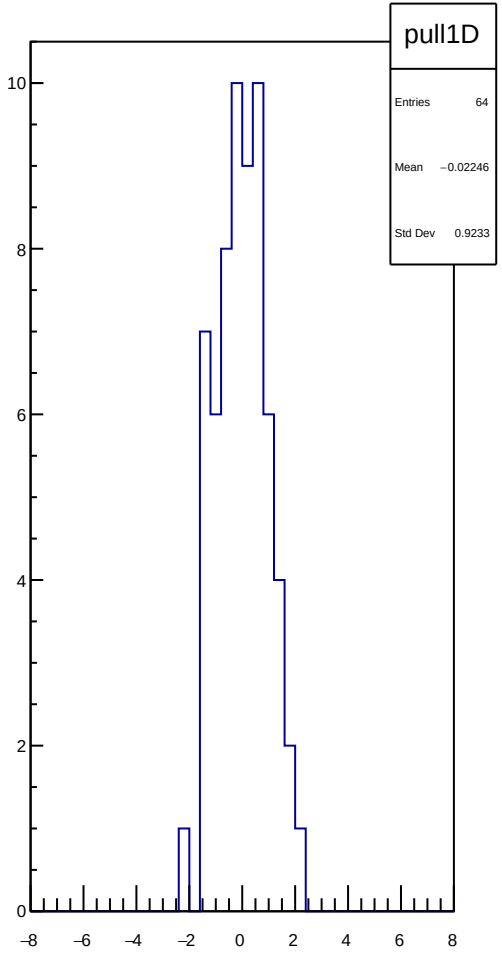

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.797e+05 / 63
p0 6.128e−11 ± 6.299e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

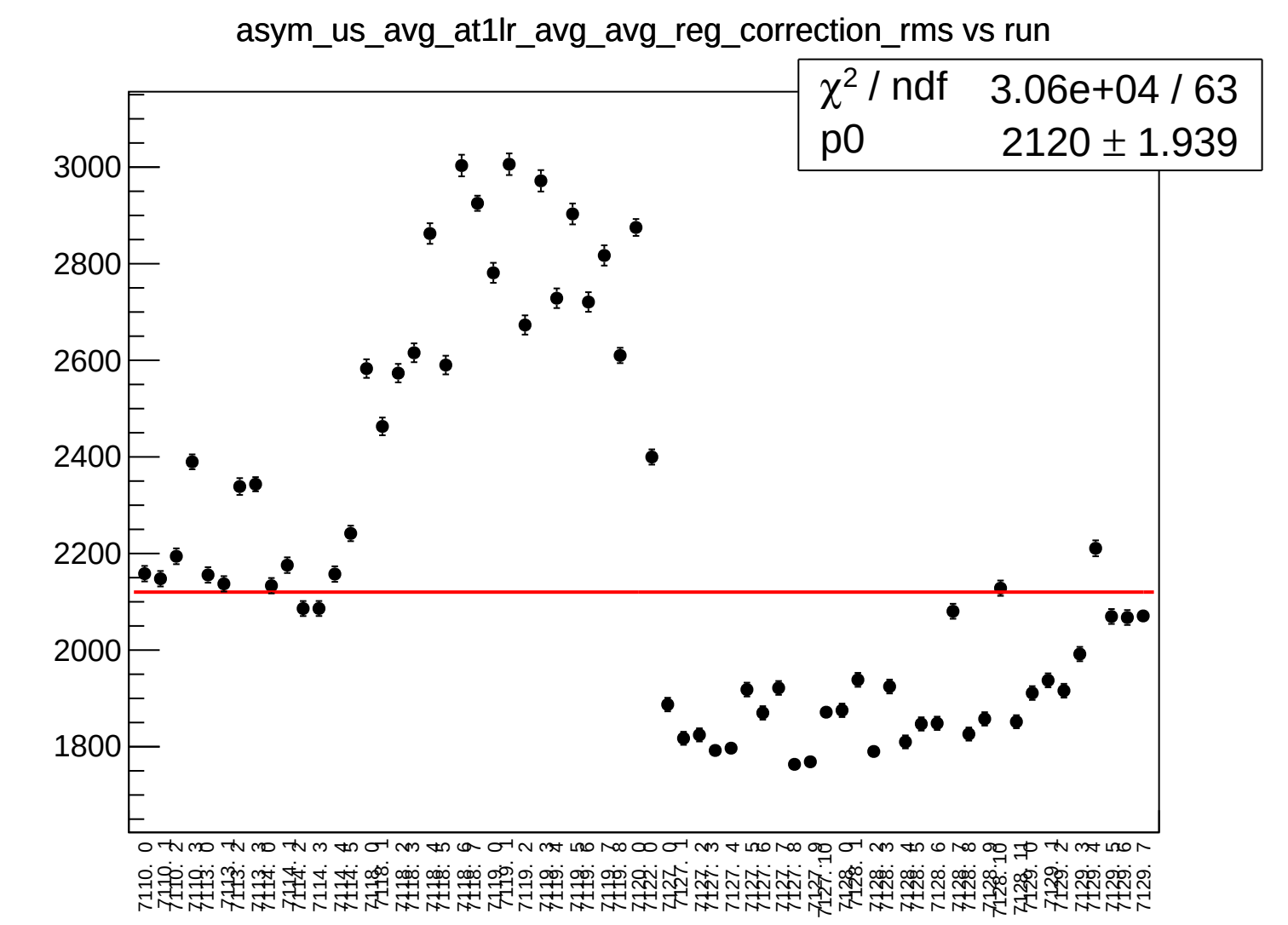

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.25 / 63
p0 3887 ± 2791
pull
Entries 64
Mean −242
Std Dev 0

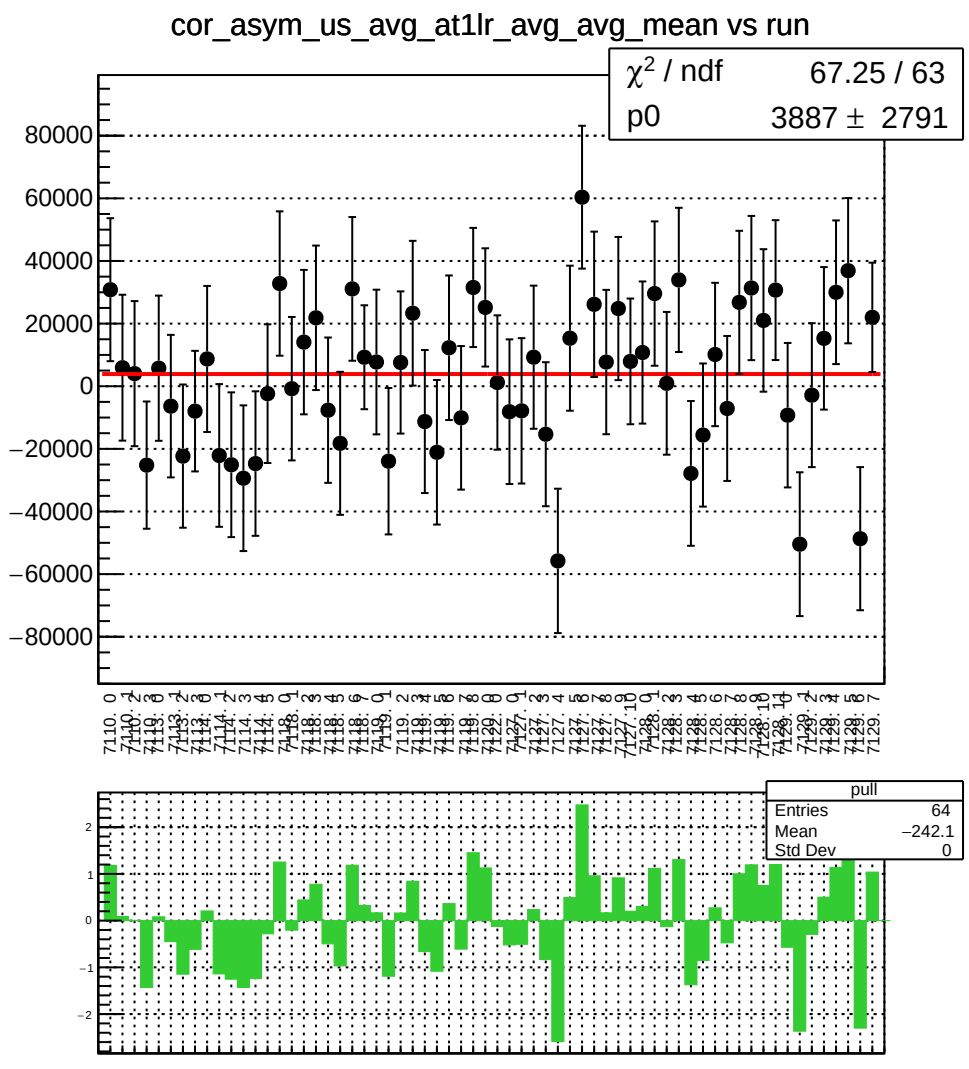

pull1D
Entries 64
Mean −0.01219
Std Dev 1.025

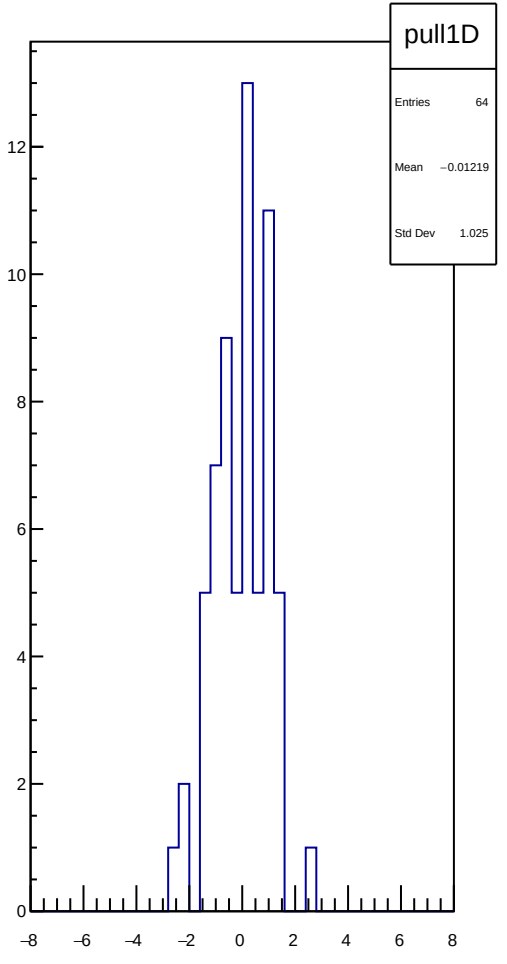

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 132.8 / 63
p0 2185 ± 1.974
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

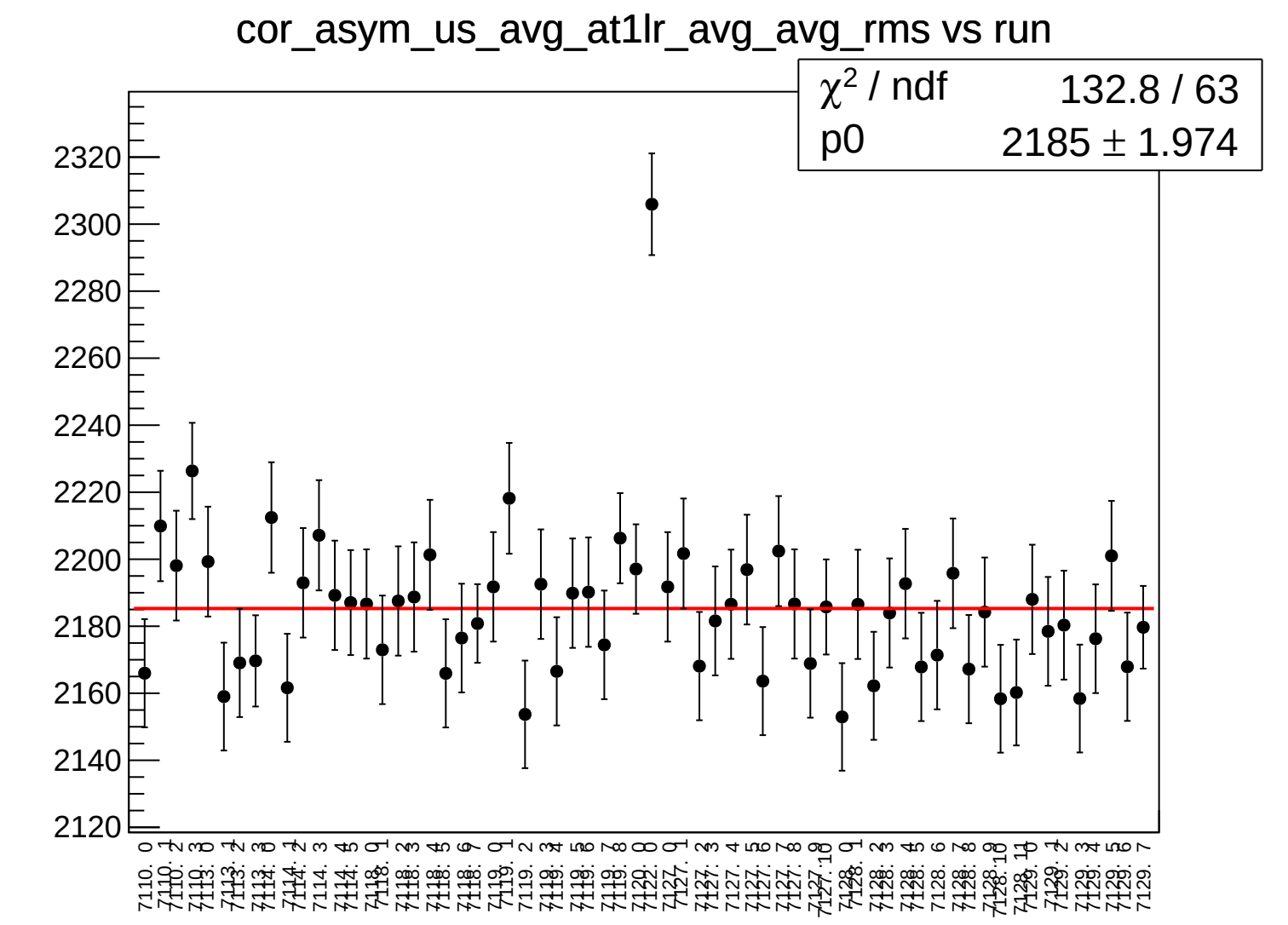

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 54.59 / 63
p0 −1223 ± 2742
pull
Entries 64
Mean 115.5
Std Dev 0

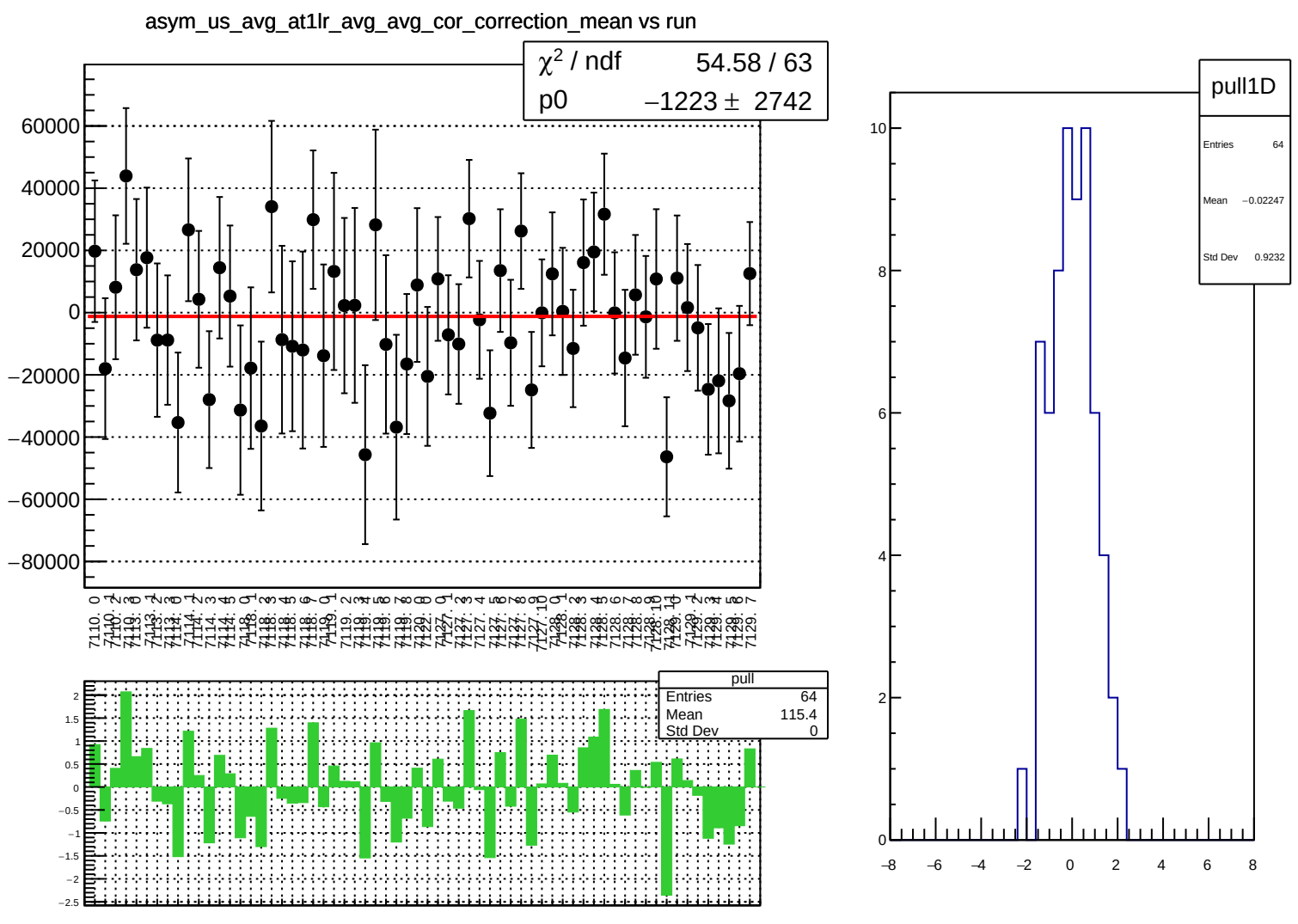

pull1D
Entries 64
Mean −0.02246
Std Dev 0.9233

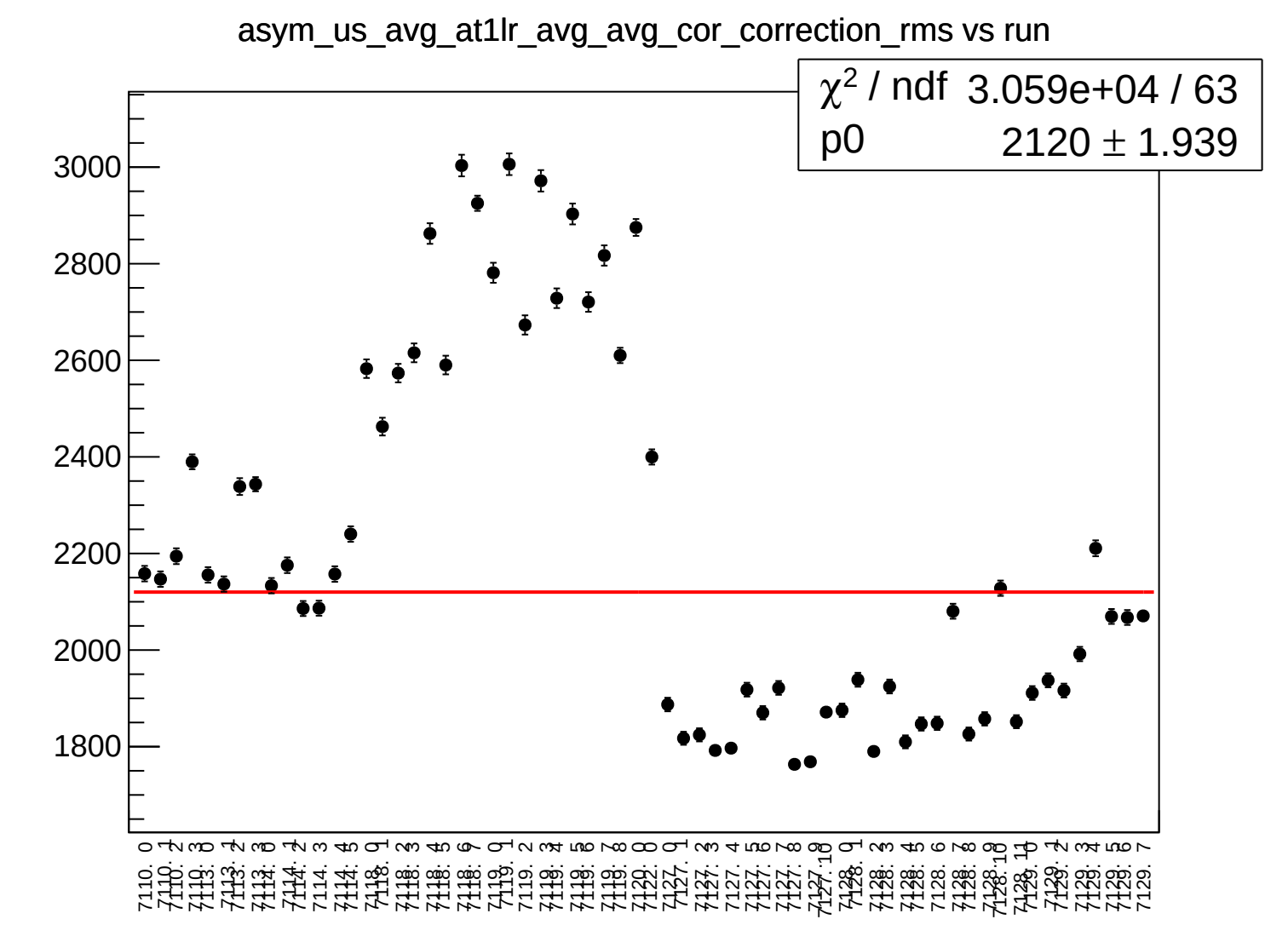

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3.06e+04 / 63
p0 2120 ± 1.939
3000
2800
2600
2400
2200
2000
1800

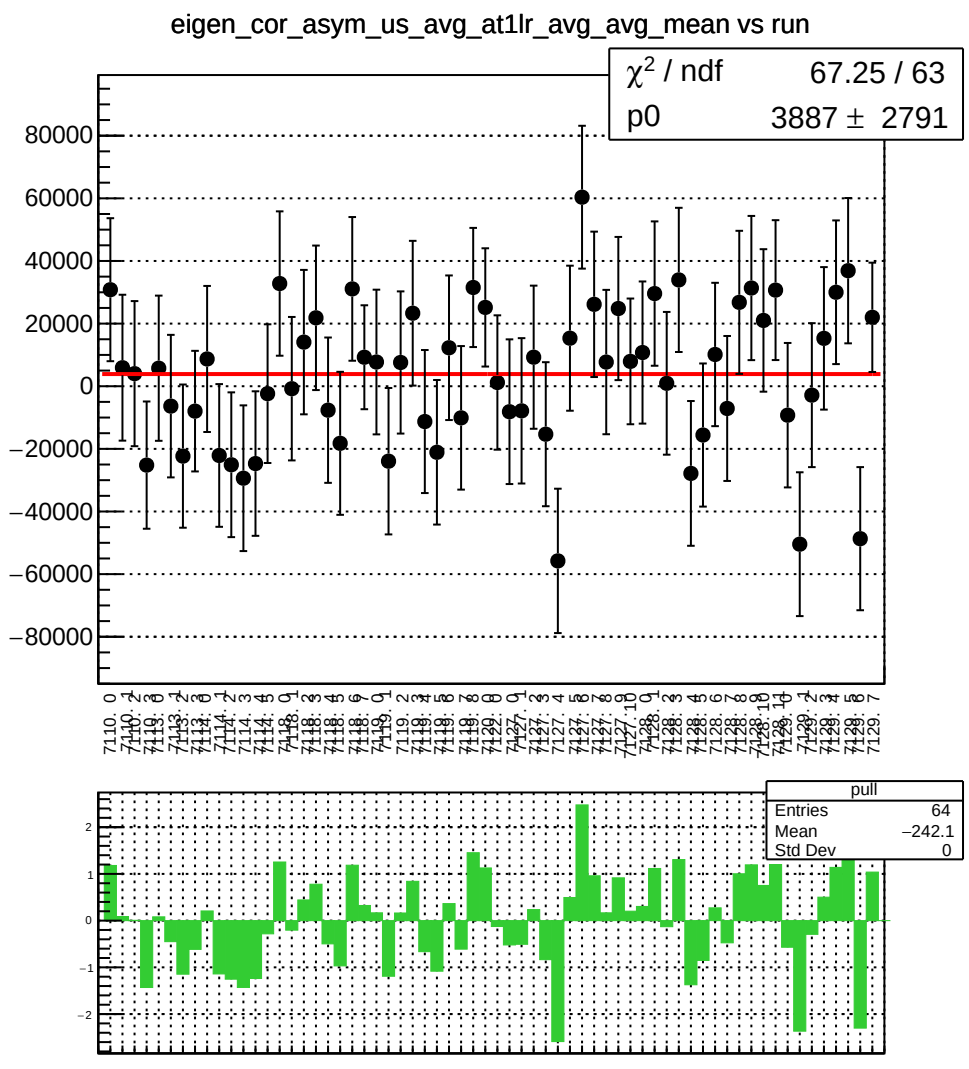

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.25 / 63
p0 3887 ± 2791
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 64
Mean −242.1
Std Dev 0
2
1
0
−1
−2

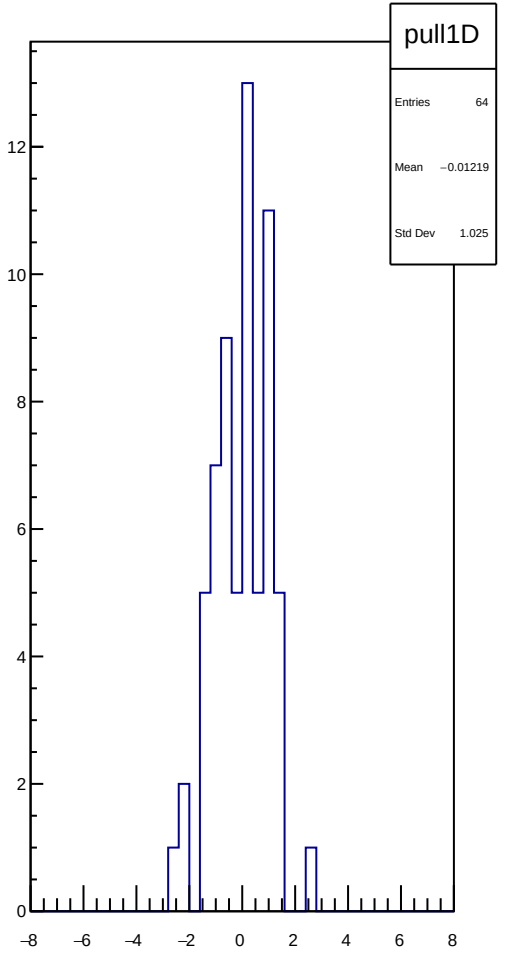

pull1D
Entries 64
Mean −0.01219
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

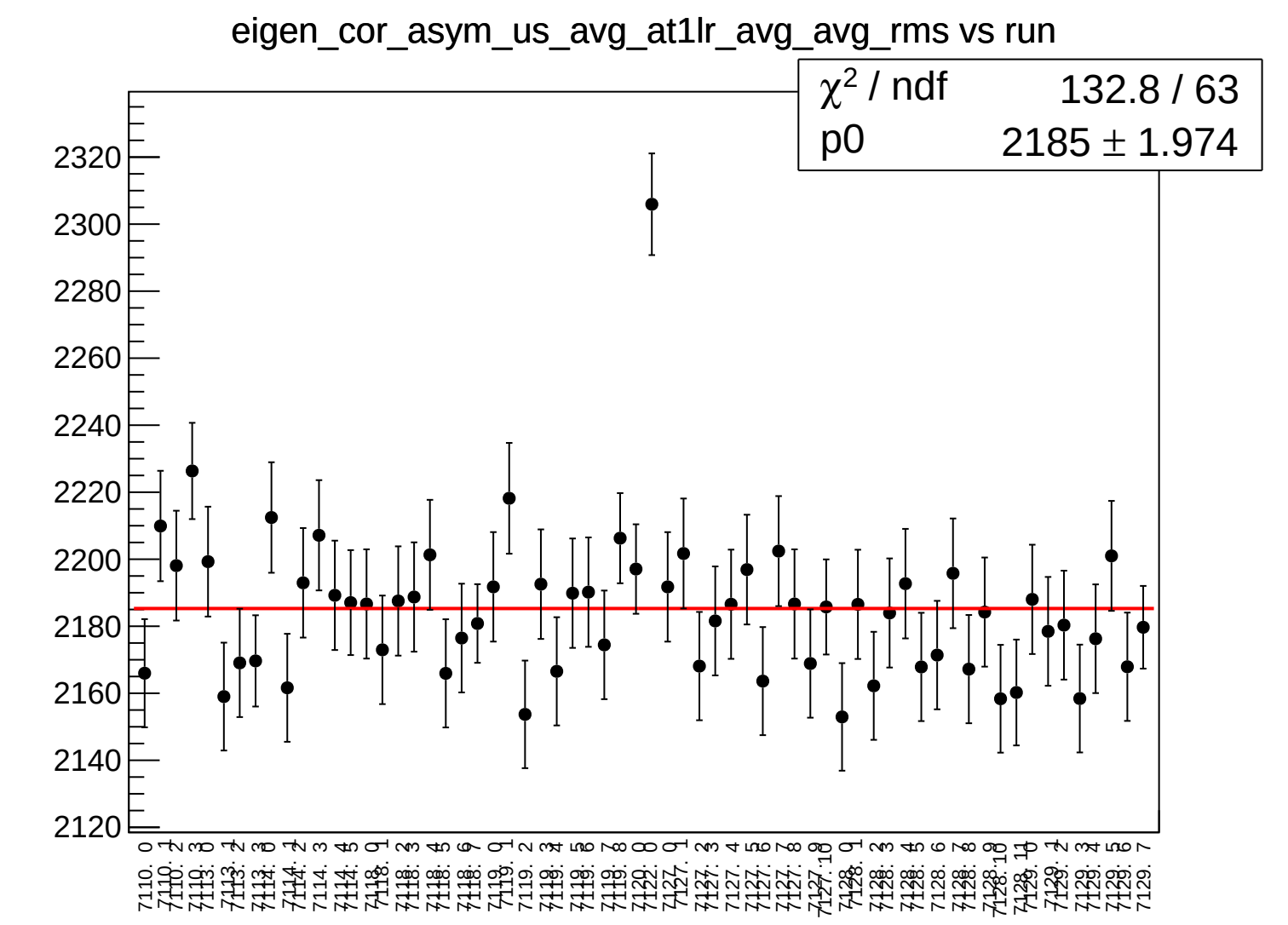

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ^2 / ndf 132.8 / 63
p0 2185 ± 1.974
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

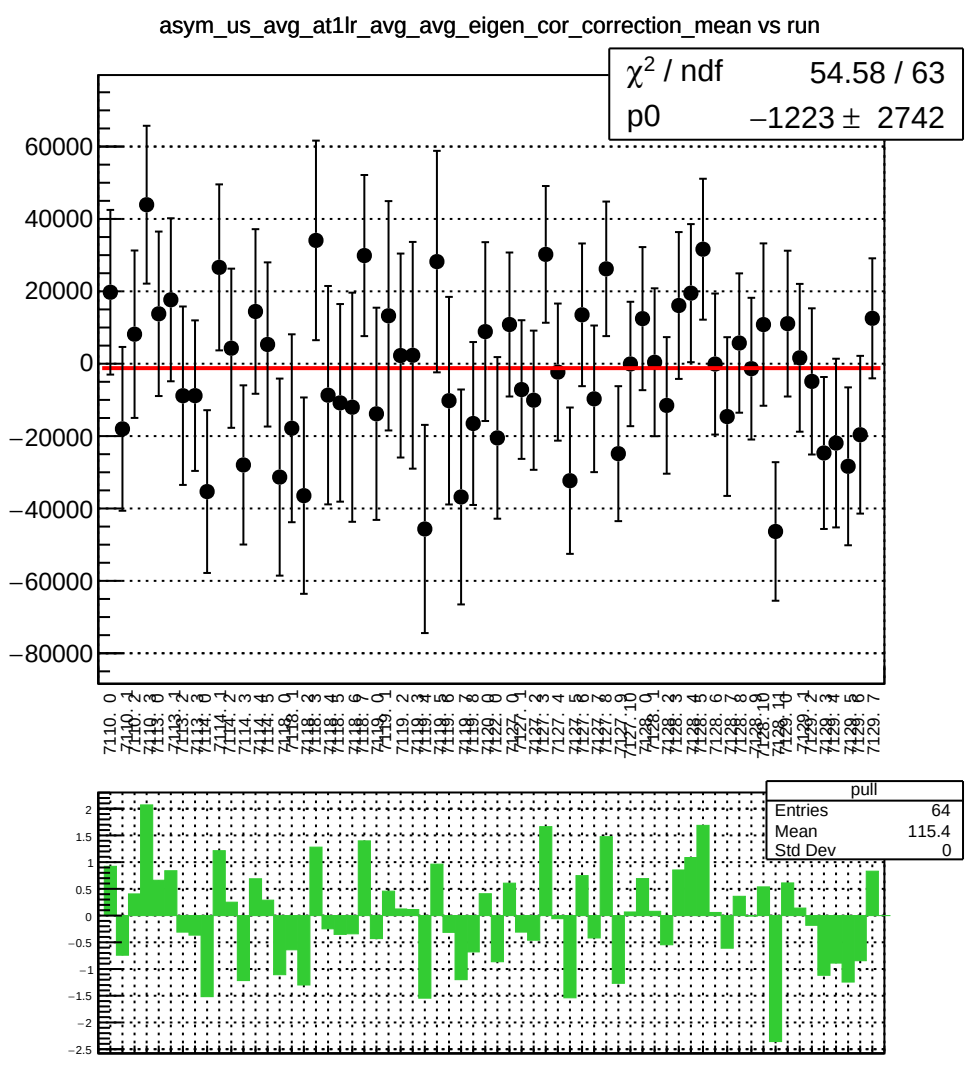

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 54.58 / 63
p0 −1223 ± 2742
pull
Entries 64
Mean 115.4
Std Dev 0
pull1D
Entries 64
Mean −0.02247
Std Dev 0.9232

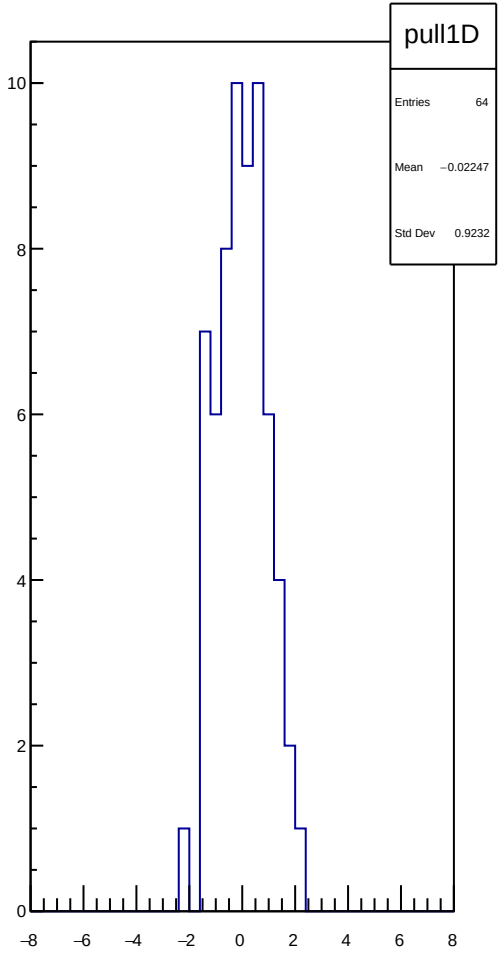

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3.059e+04 / 63
p0 2120 ± 1.939
3000
2800
2600
2400
2200
2000
1800

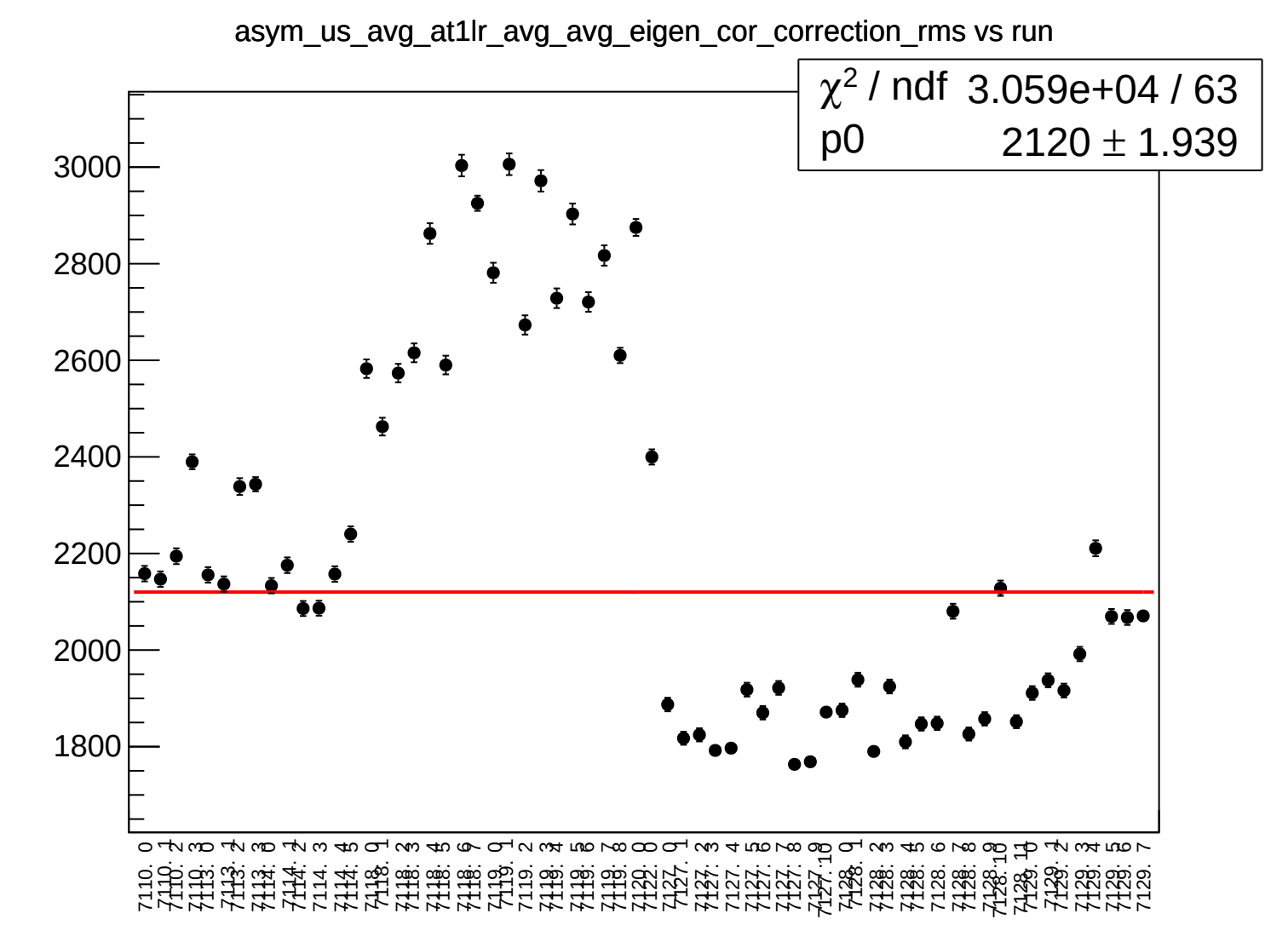

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.25 / 63
p0 3887 ± 2791
pull
Entries 64
Mean −242.1
Std Dev 0

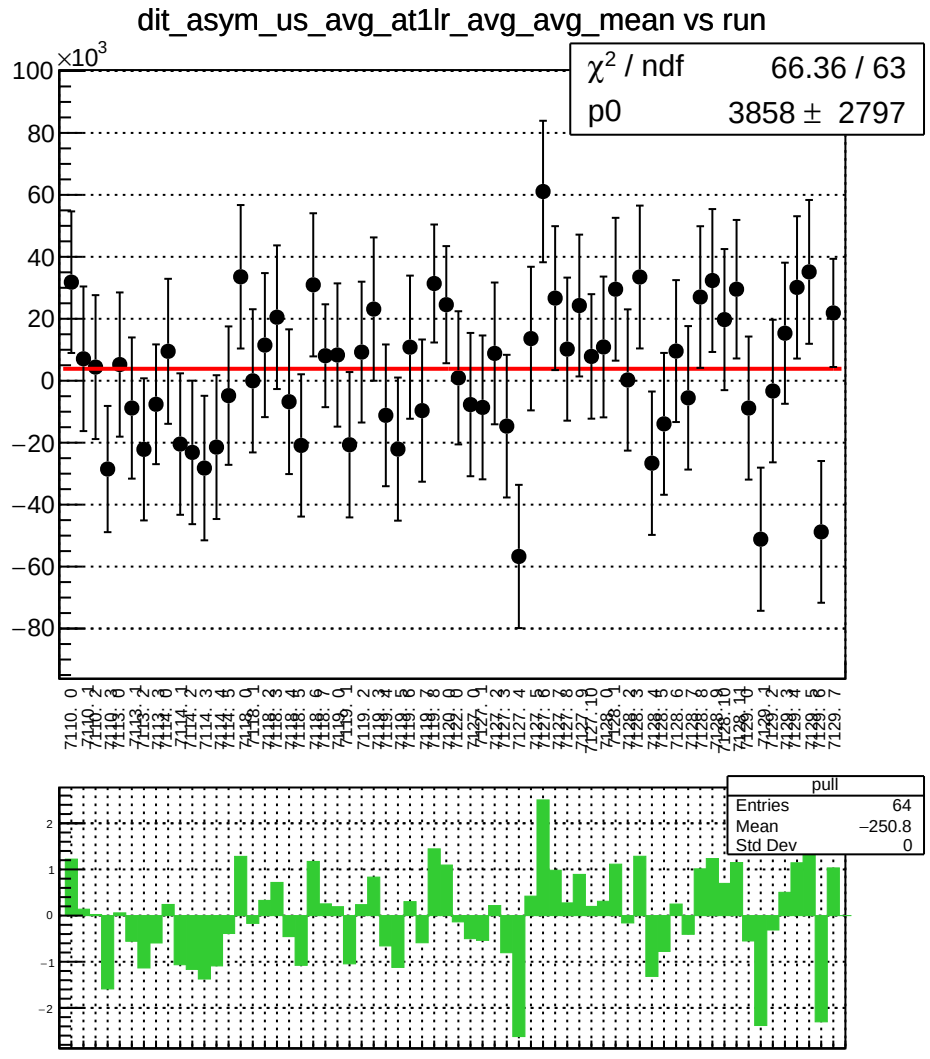

pull1D
Entries 64
Mean −0.01219
Std Dev 1.025

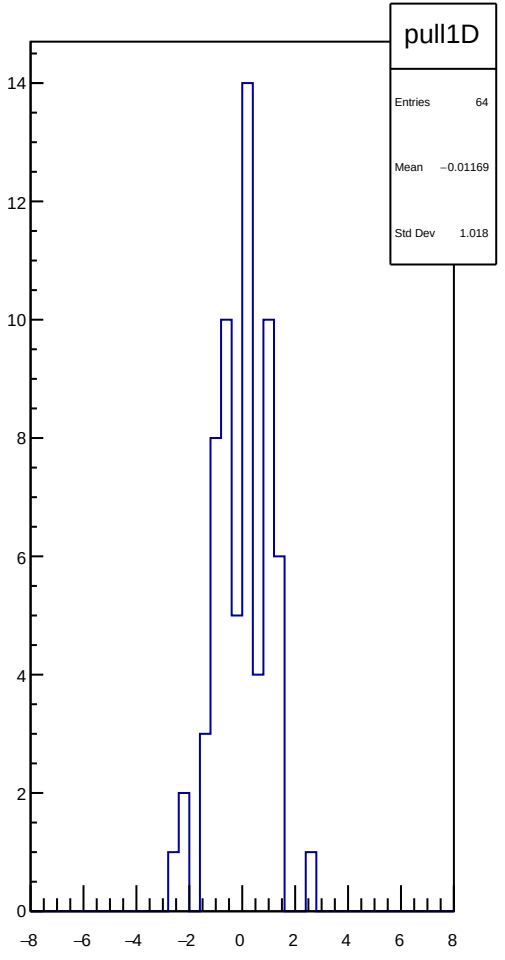

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 132.8 / 63
p0 2185 ± 1.974
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

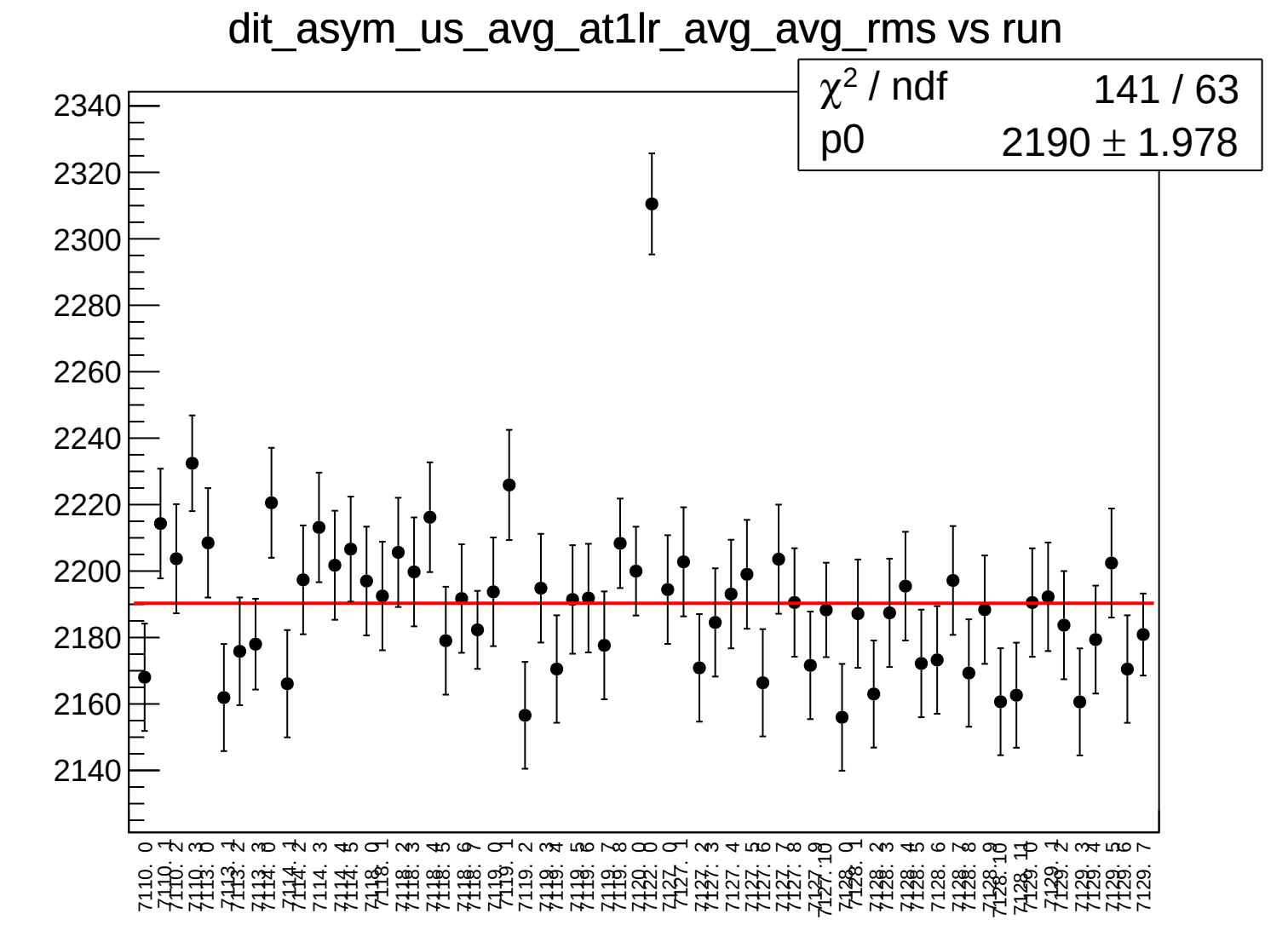

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.58 / 63
p0 −1223 ± 2742
pull
Entries 64
Mean 115.4
Std Dev 0

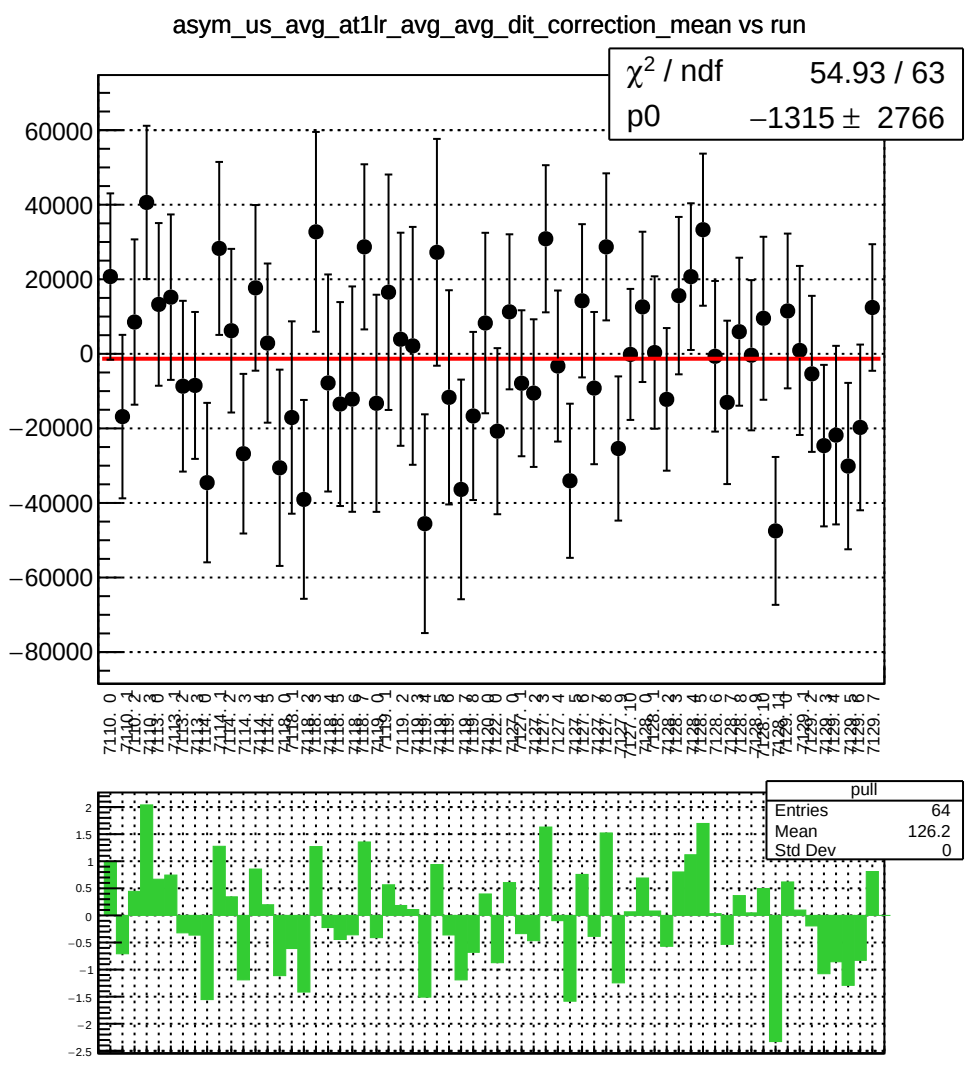

pull1D
Entries 64
Mean −0.02247
Std Dev 0.9232

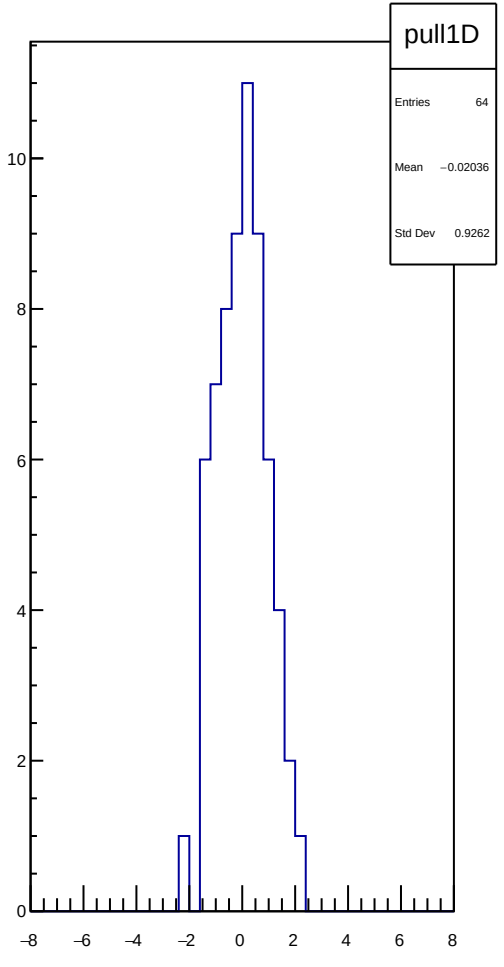

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.059e+04 / 63
p0 2120 ± 1.939
3000
2800
2600
2400
2200
2000
1800

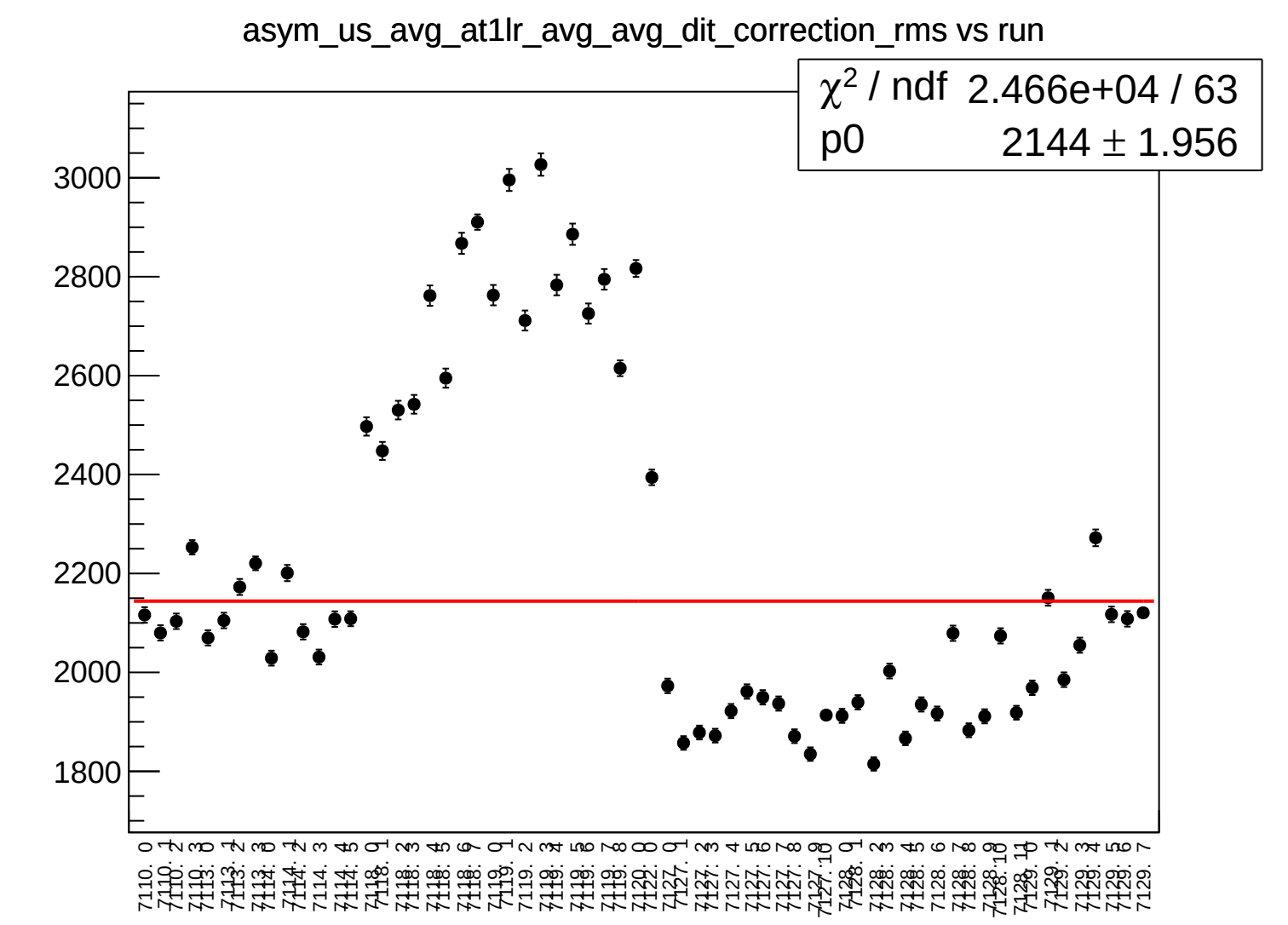

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 66.36 / 63
p0 3858 ± 2797
pull
Entries 64
Mean −250.8
Std Dev 0

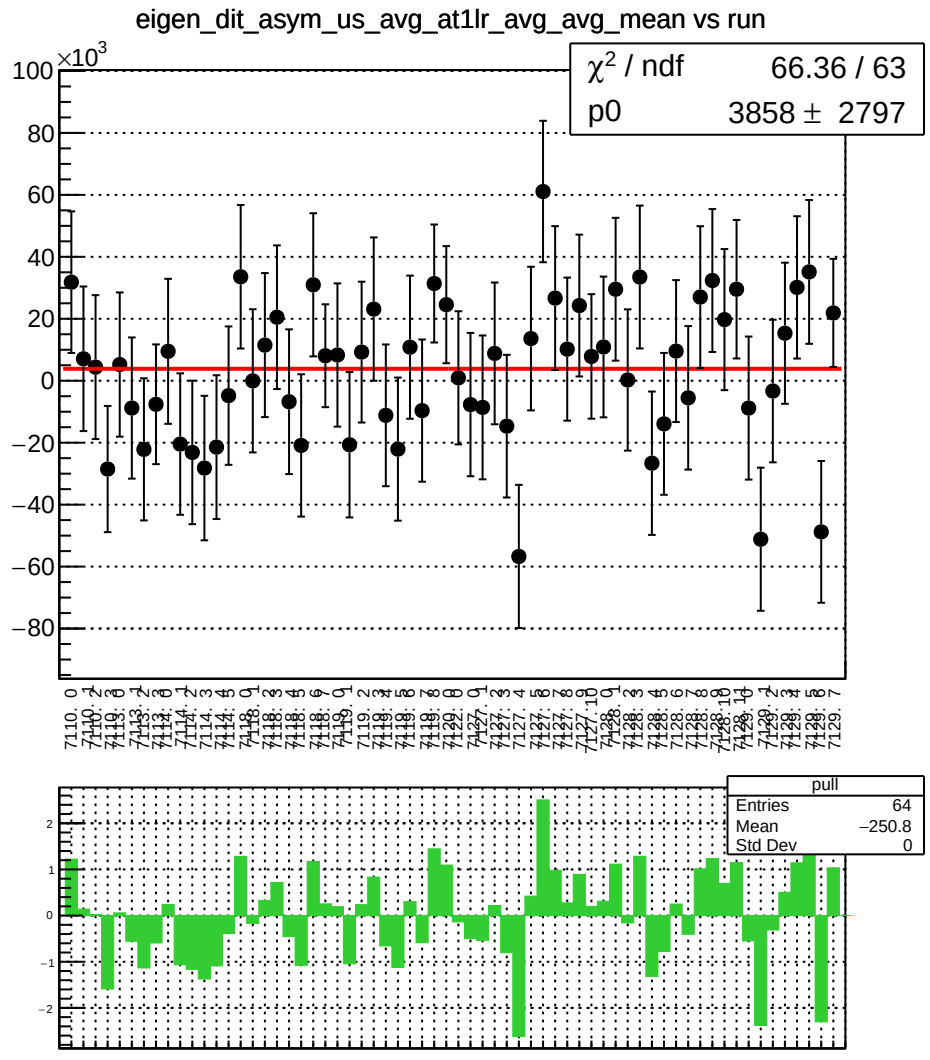

pull1D
Entries 64
Mean −0.01169
Std Dev 1.018

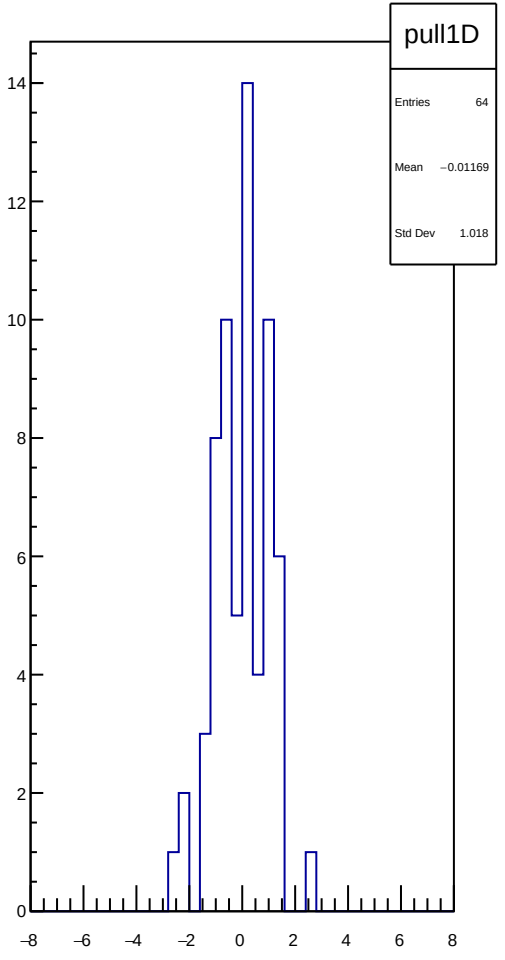

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 141 / 63
p0 2190 ± 1.978
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140

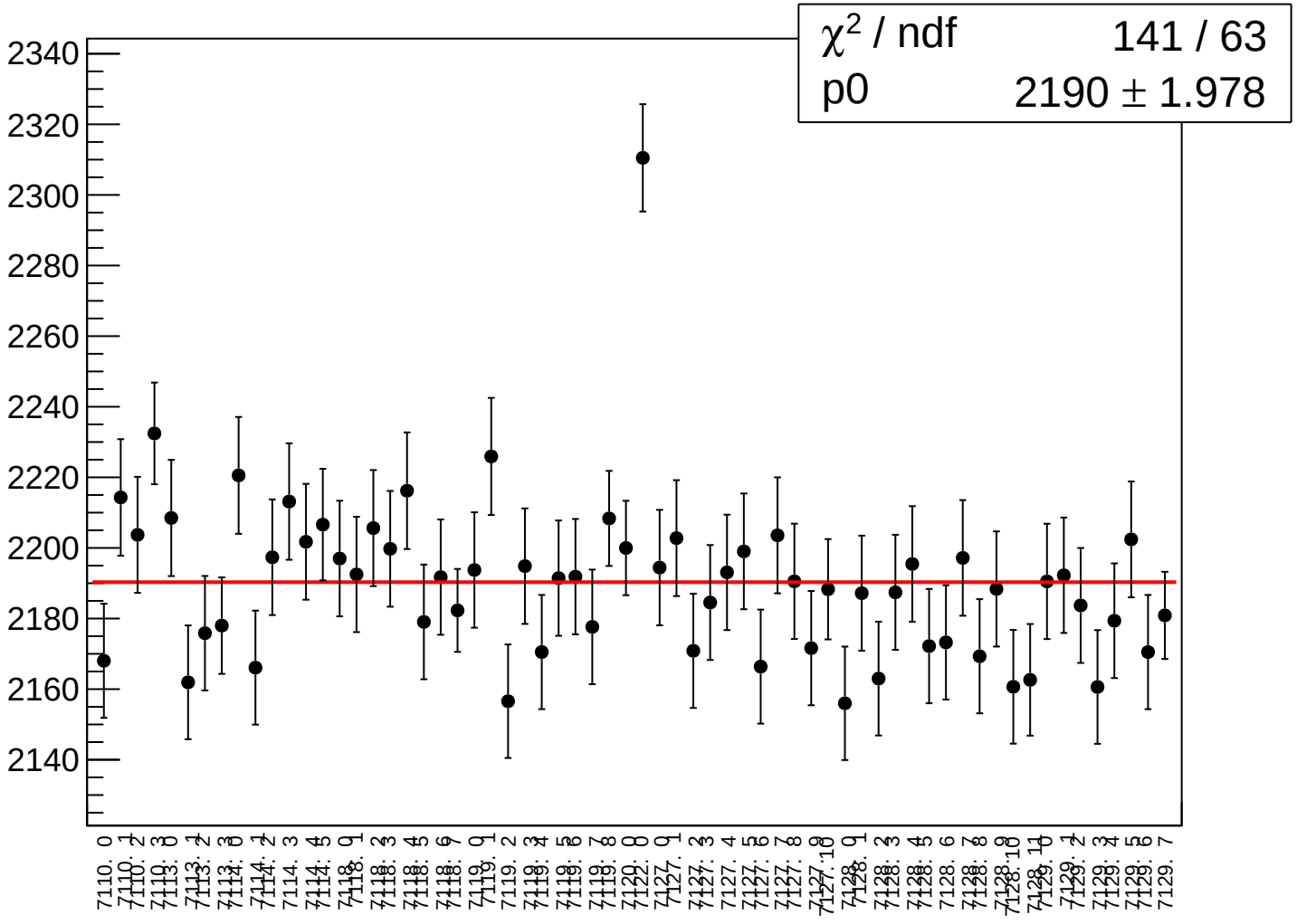

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 54.93 / 63
p0 −1315 ± 2766
pull
Entries 64
Mean 126.2
Std Dev 0

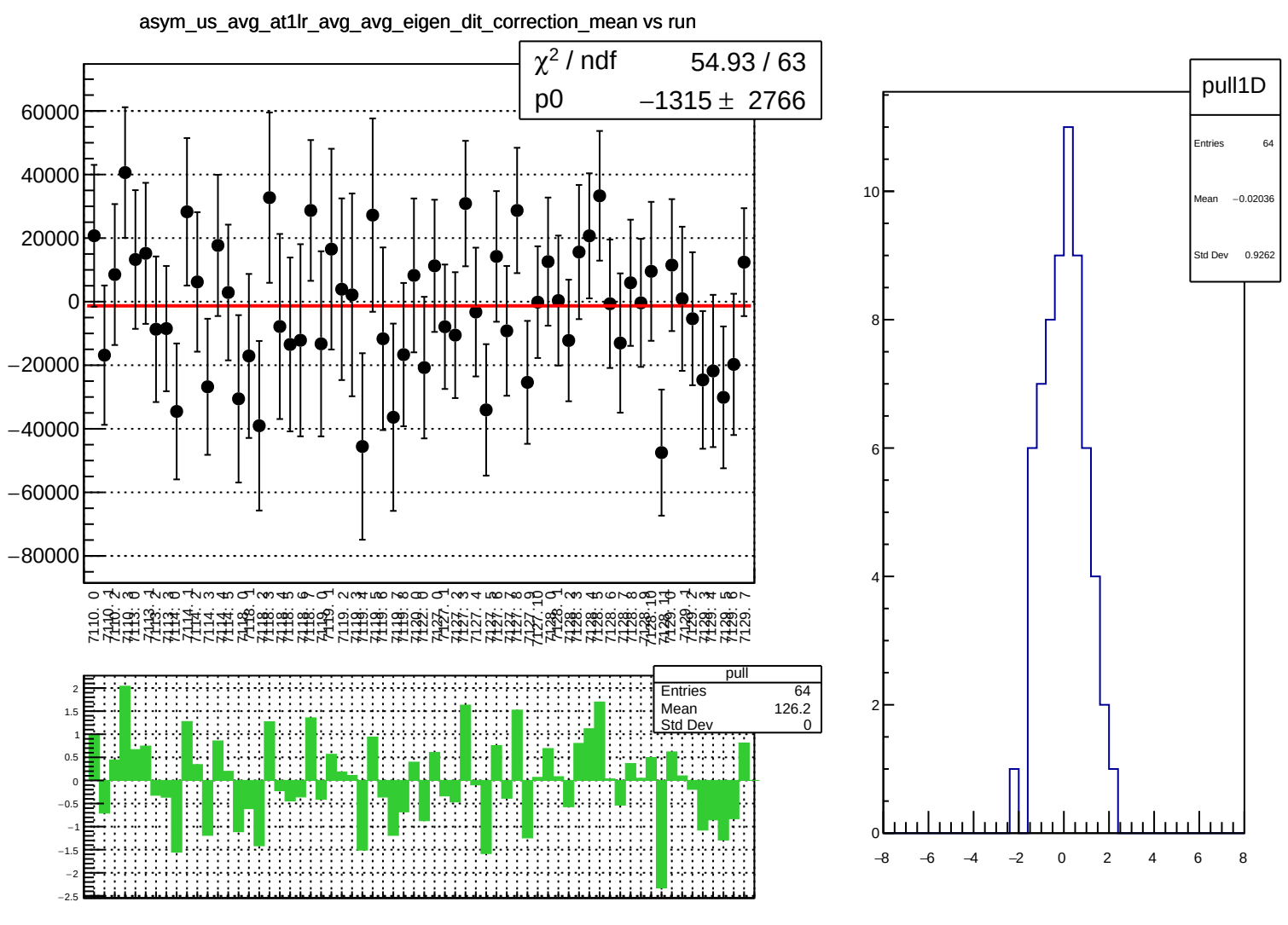

pull1D
Entries 64
Mean −0.02036
Std Dev 0.9262

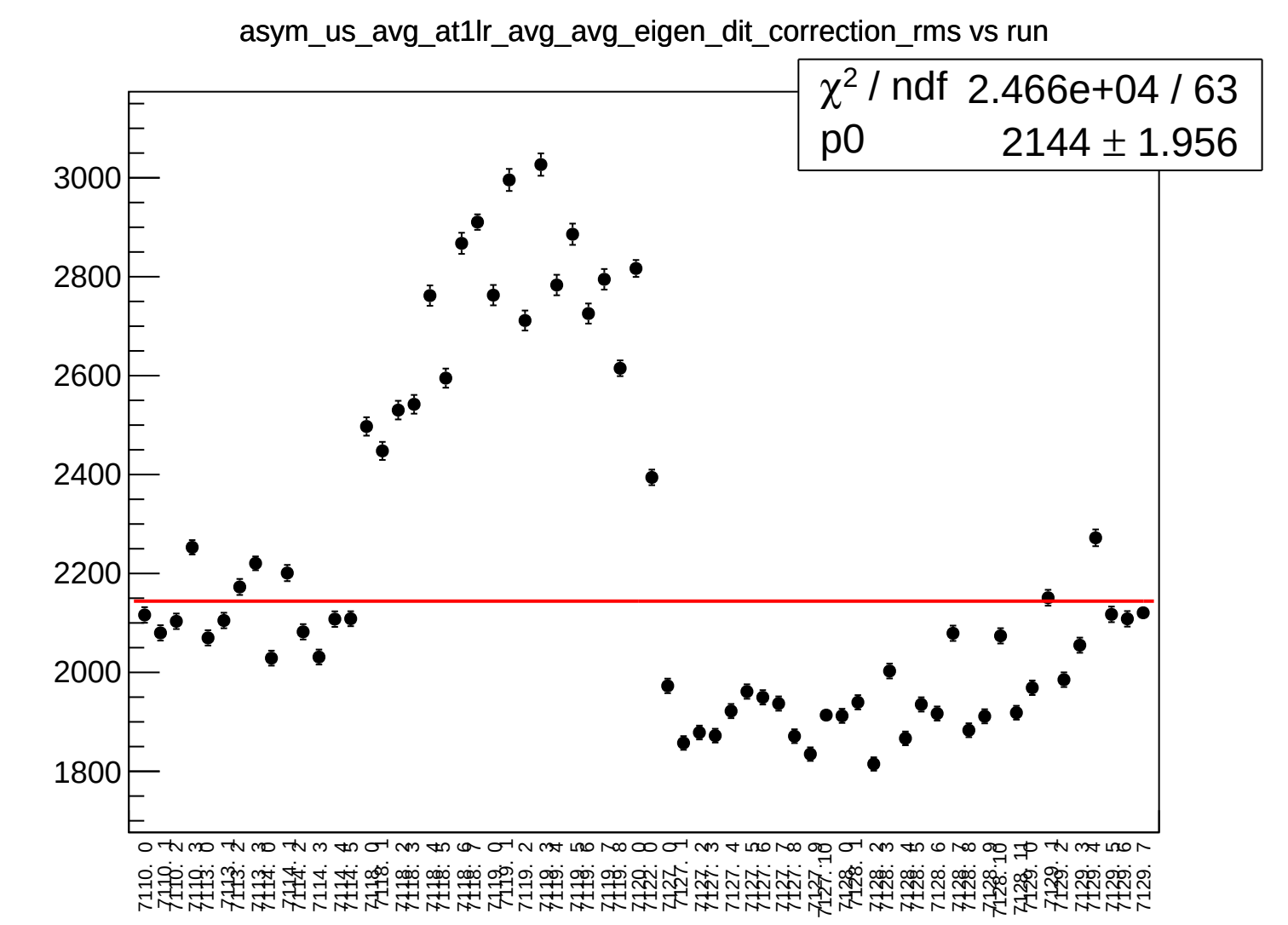

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.466e+04 / 63
p0 2144 ± 1.956
3000
2800
2600
2400
2200
2000
1800

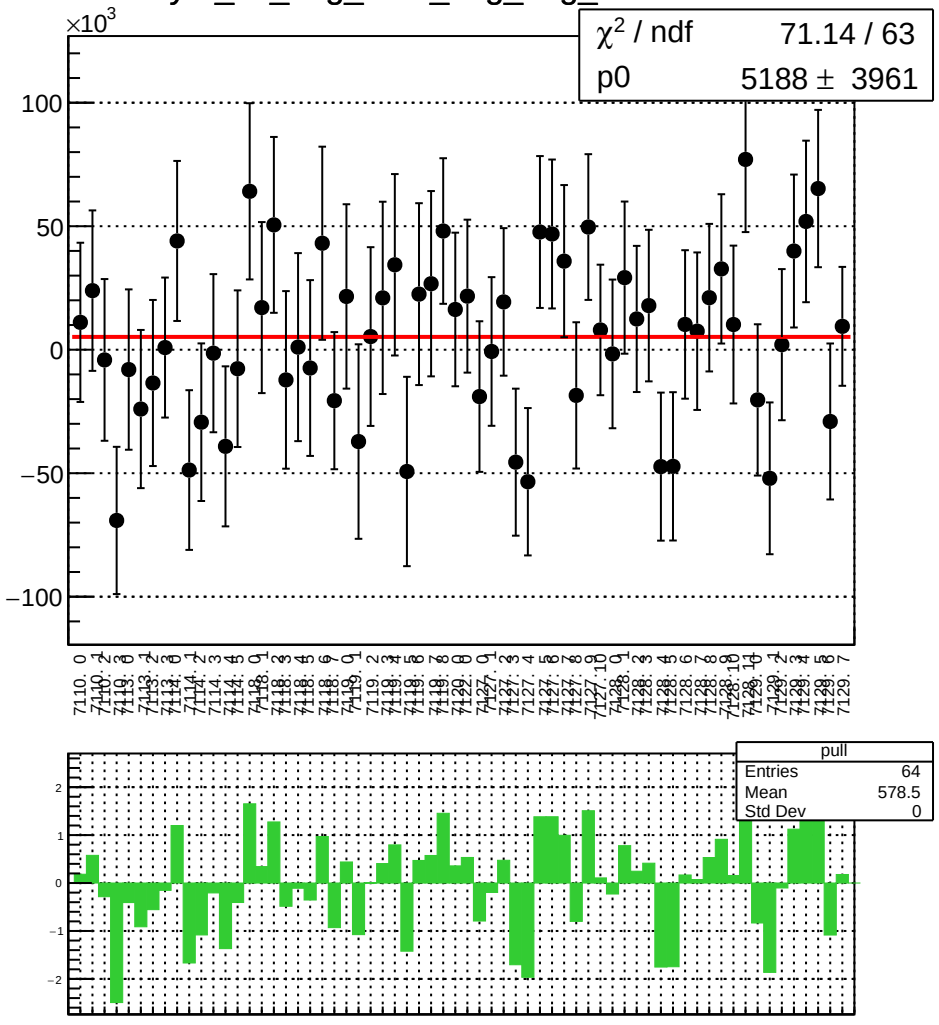

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 66.36 / 63
p0 3858 ± 2797
pull
Entries 64
Mean −250.8
Std Dev 0

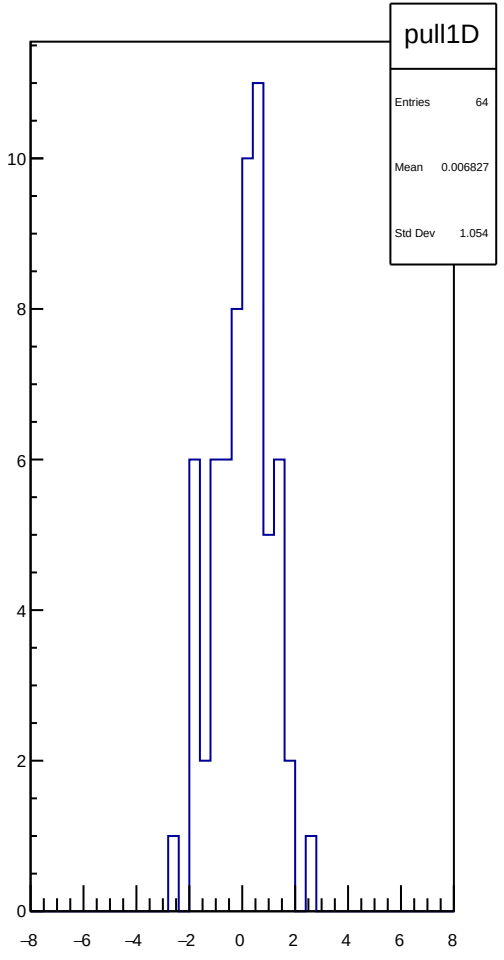

pull1D
Entries 64
Mean −0.01169
Std Dev 1.018

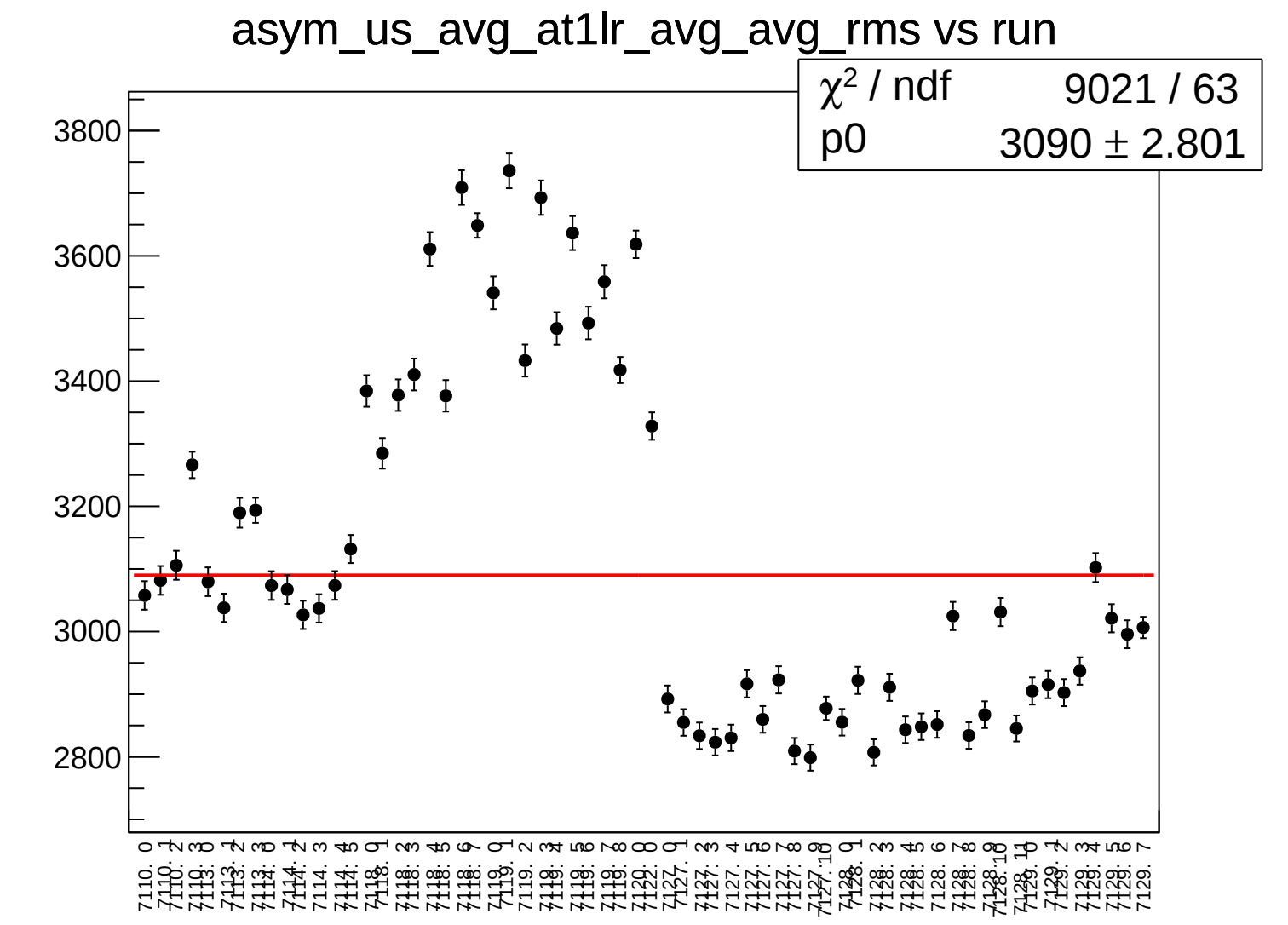

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 141 / 63
p0 2190 ± 1.978
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140

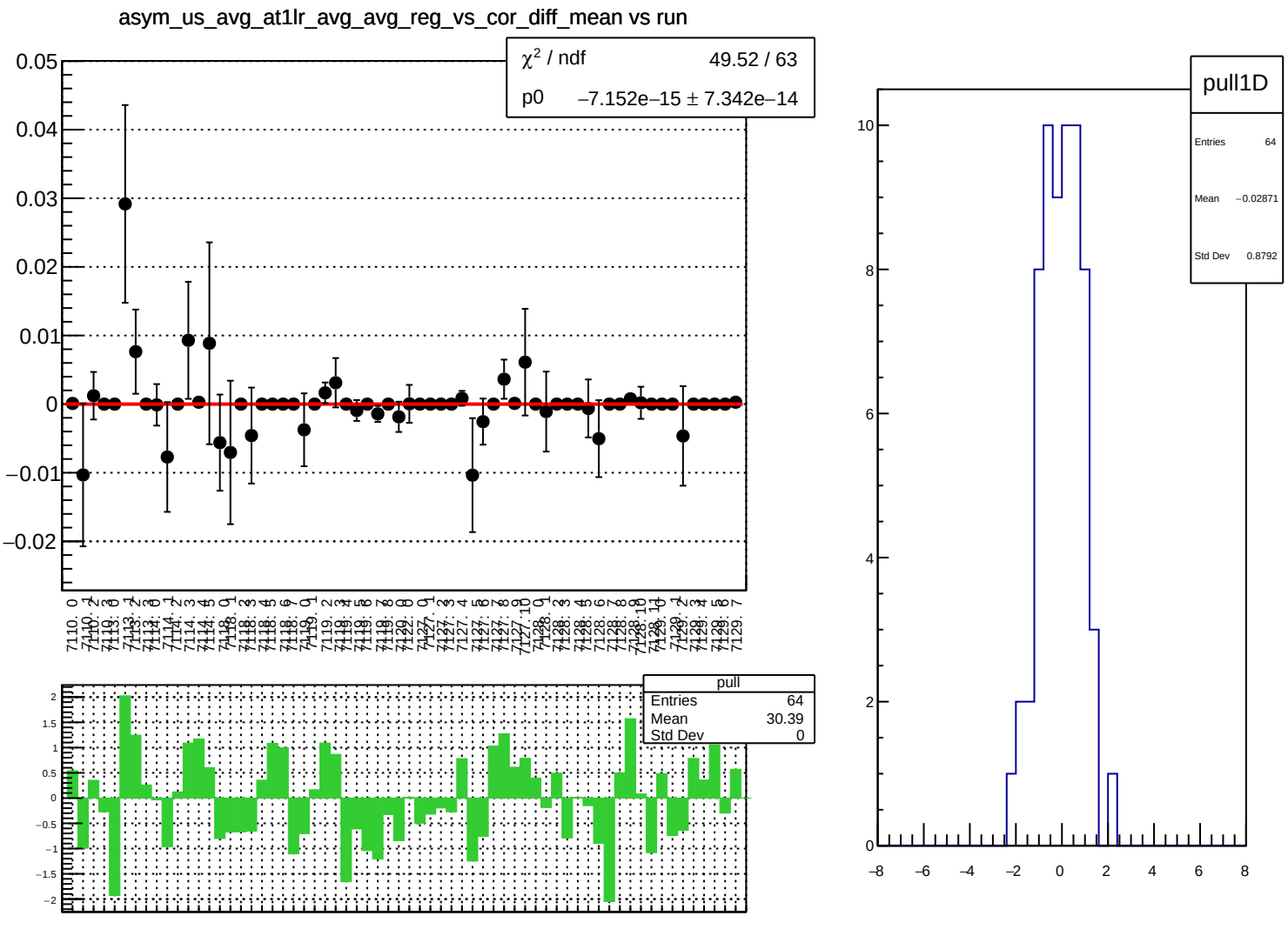

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.93 / 63
p0 −1315 ± 2766
pull
Entries 64
Mean 126.2
Std Dev 0
pull1D
Entries 64
Mean −0.02036
Std Dev 0.9262

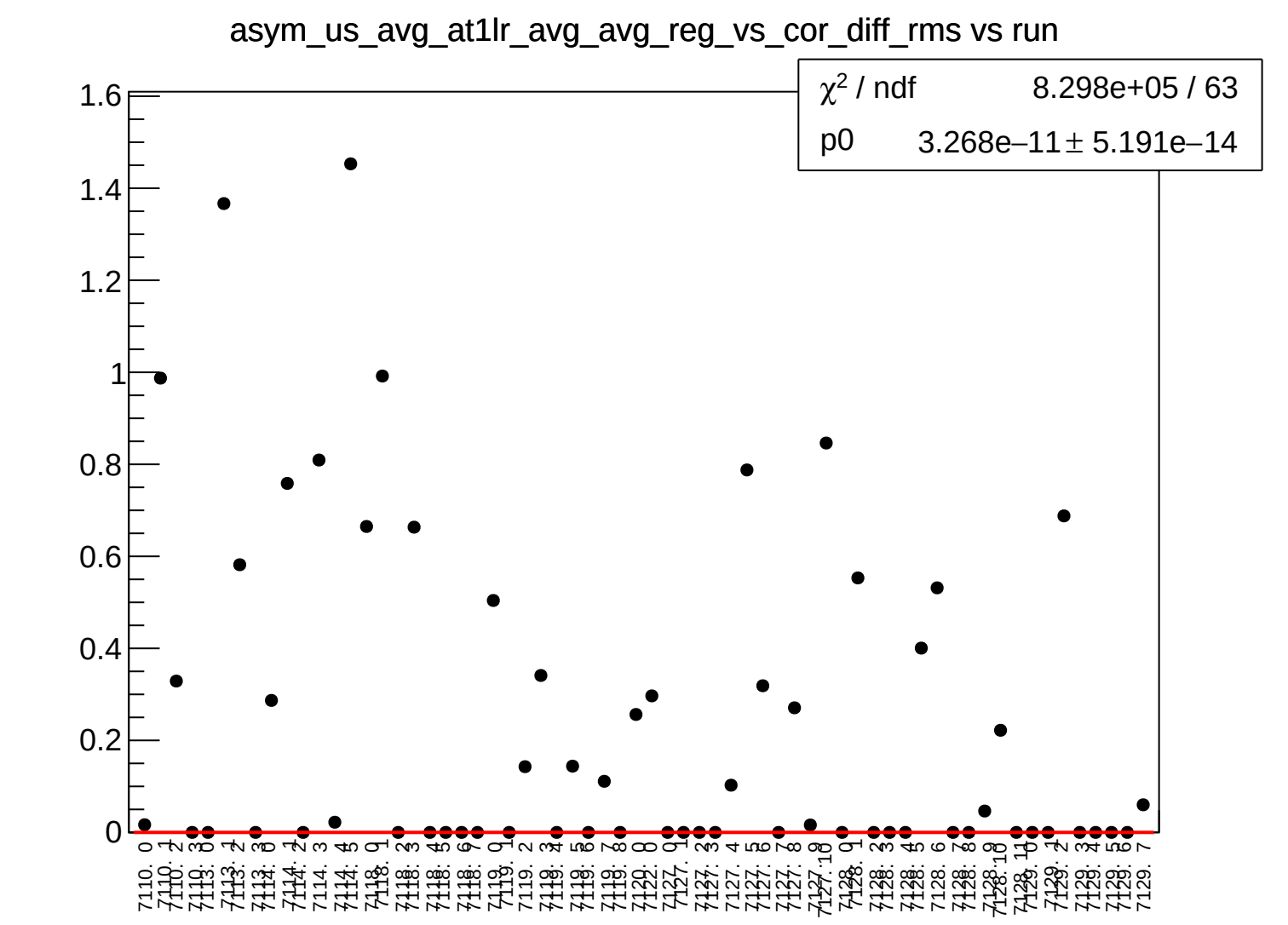

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.466e+04 / 63
p0 2144 ± 1.956
3000
2800
2600
2400
2200
2000
1800

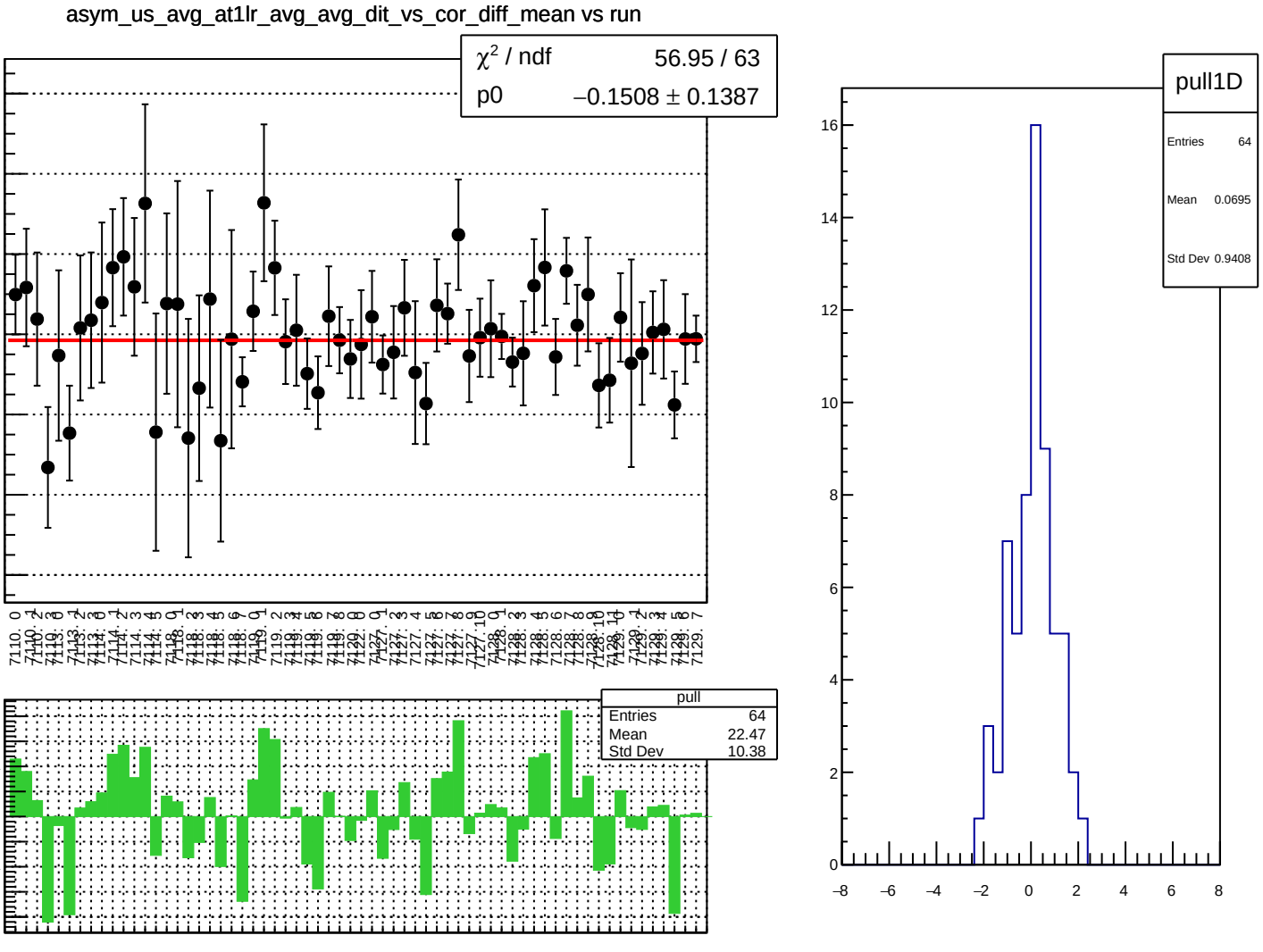

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 71.14 / 63
p0 5188 ± 3961
100
50
0
−50
−100
pull
Entries 64
Mean 578.5
Std Dev 0
2
1
0
−1
−2

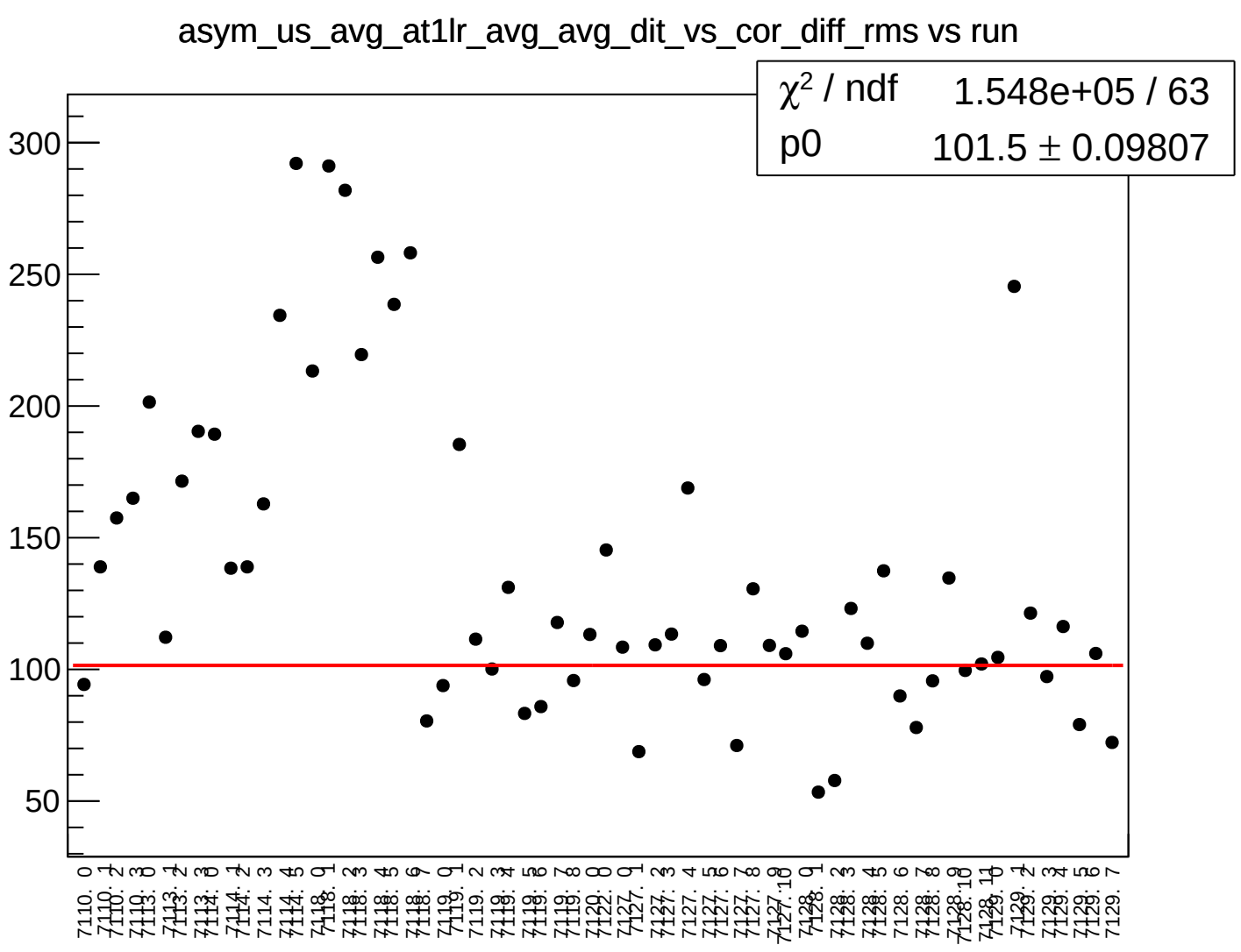

pull1D
Entries 64
Mean 0.006827
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

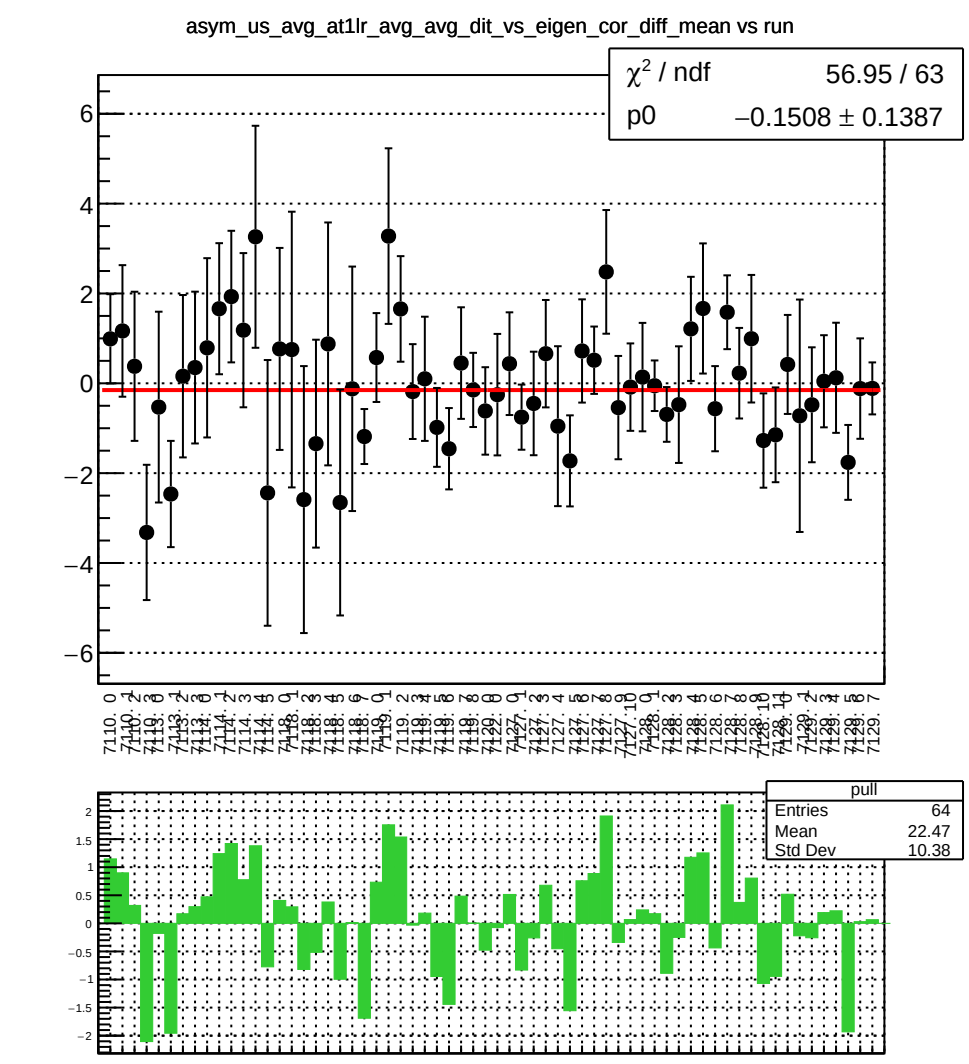

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 9021 / 63
p0 3090 ± 2.801
3800
3600
3400
3200
3000
2800

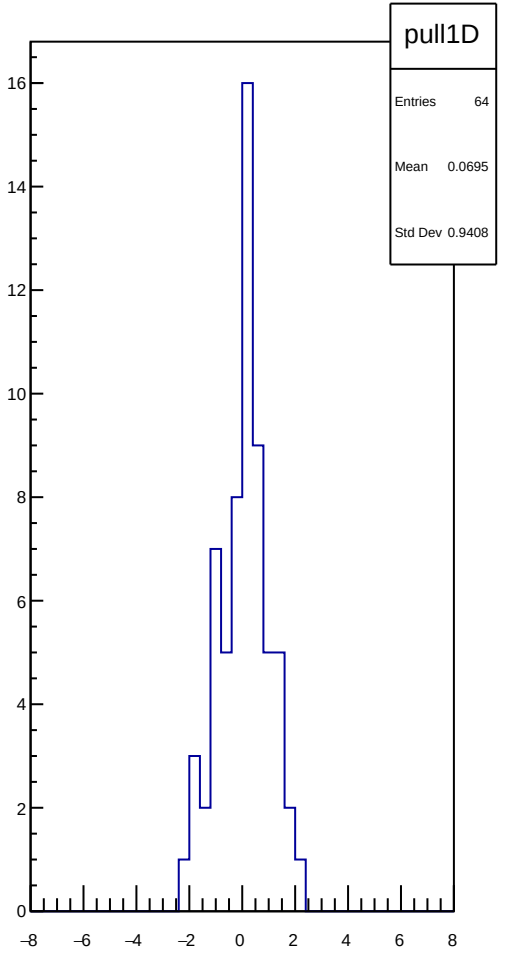

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.52 / 63
p0 −7.152e−15 ± 7.342e−14
pull
Entries 64
Mean 30.39
Std Dev 0
pull1D
Entries 64
Mean −0.02871
Std Dev 0.8792

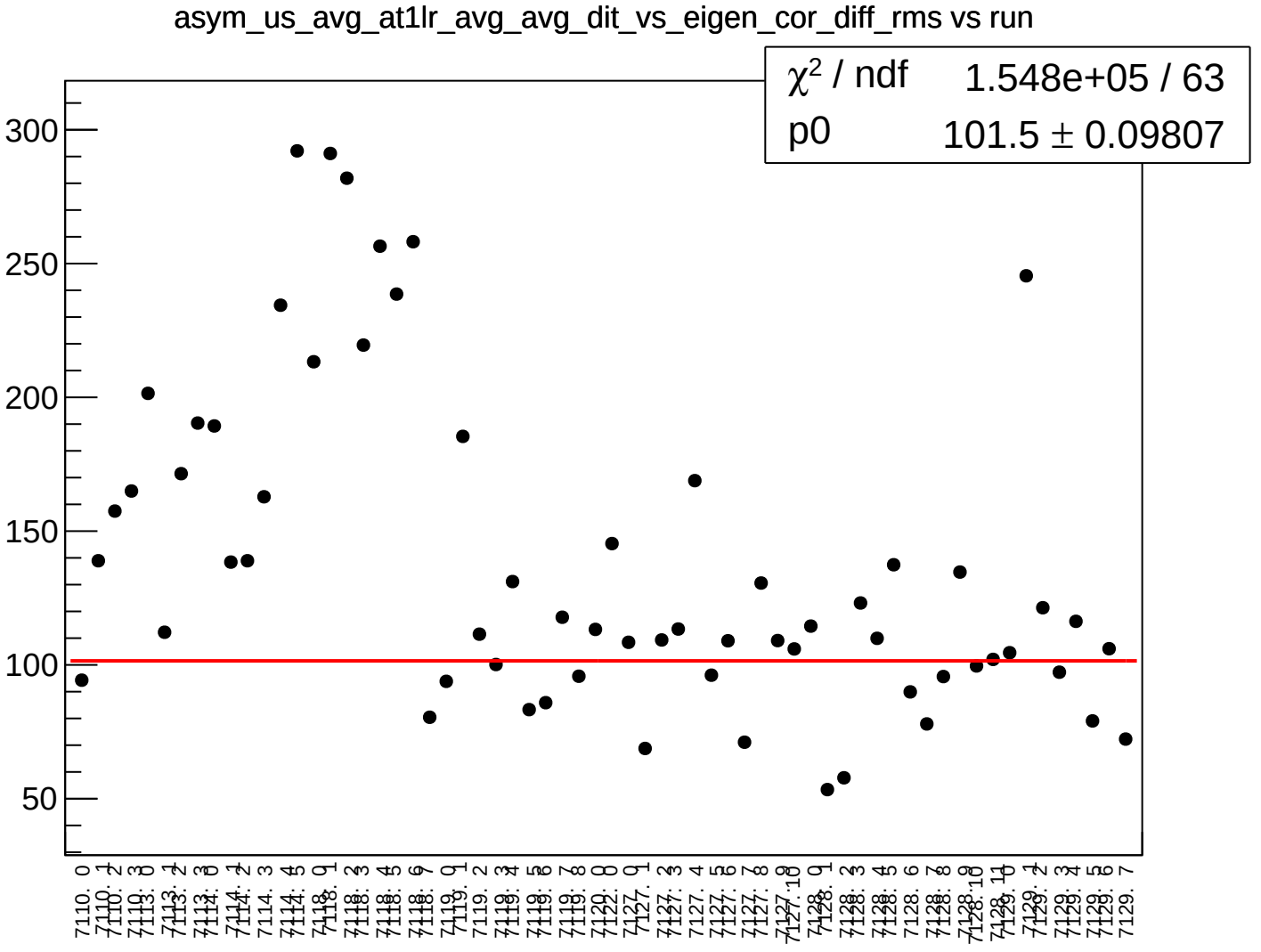

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.298e+05 / 63
p0 3.268e−11 ± 5.191e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

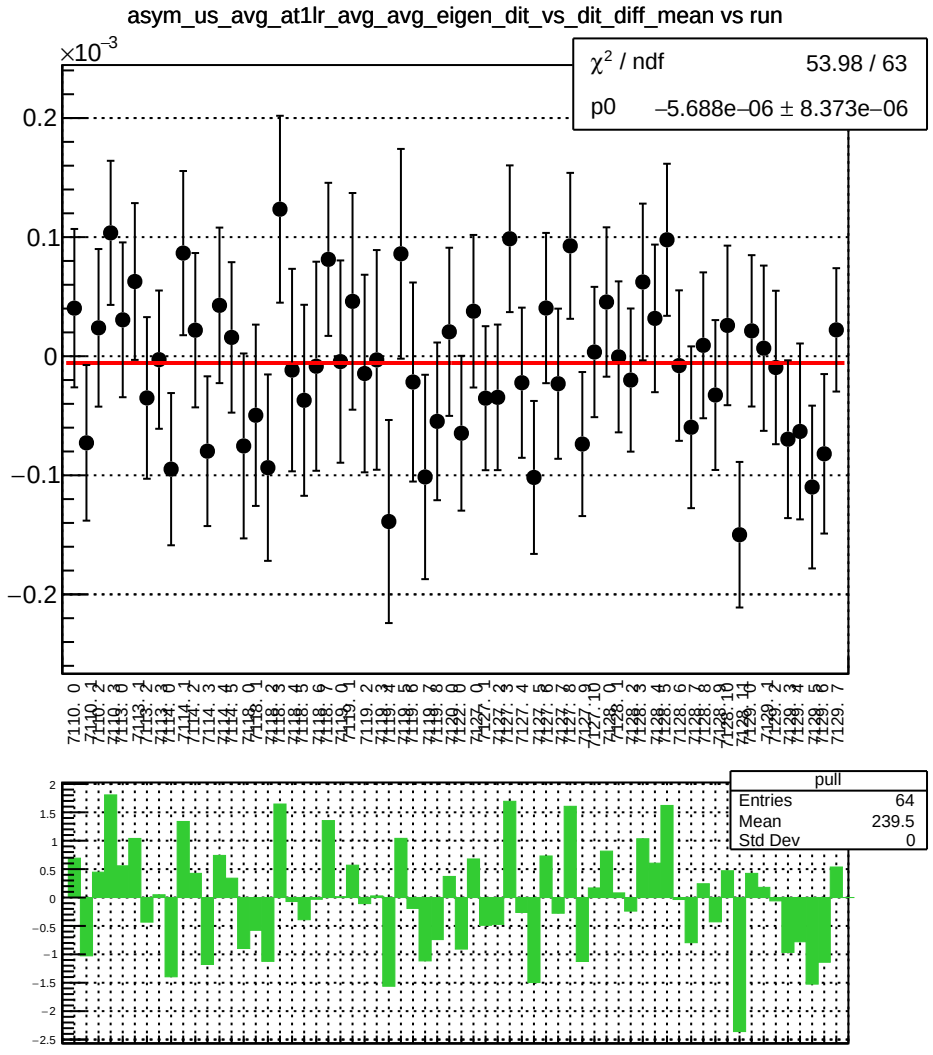

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.95 / 63
p0 −0.1508 ± 0.1387
pull
Entries 64
Mean 22.47
Std Dev 10.38
pull1D
Entries 64
Mean 0.0695
Std Dev 0.9408

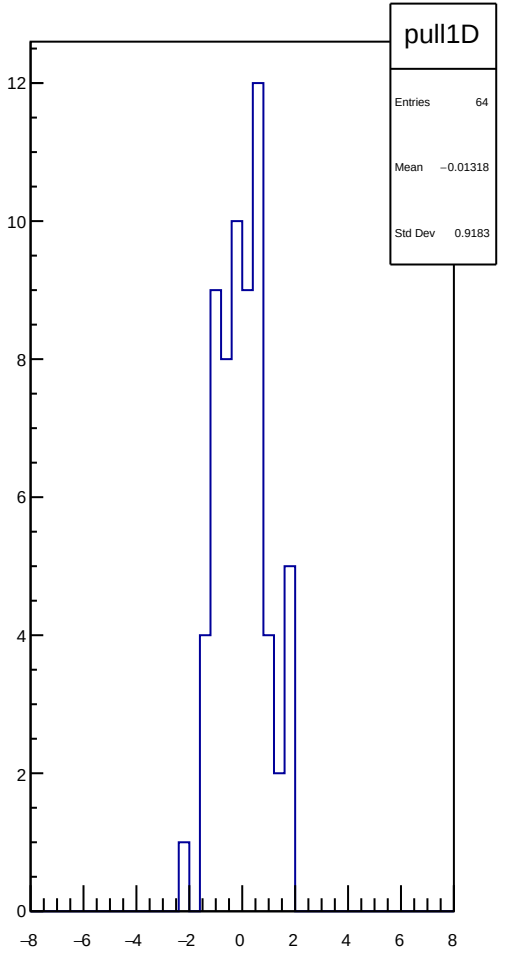

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.548e+05 / 63
p0 101.5 ± 0.09807
300
250
200
150
100
50

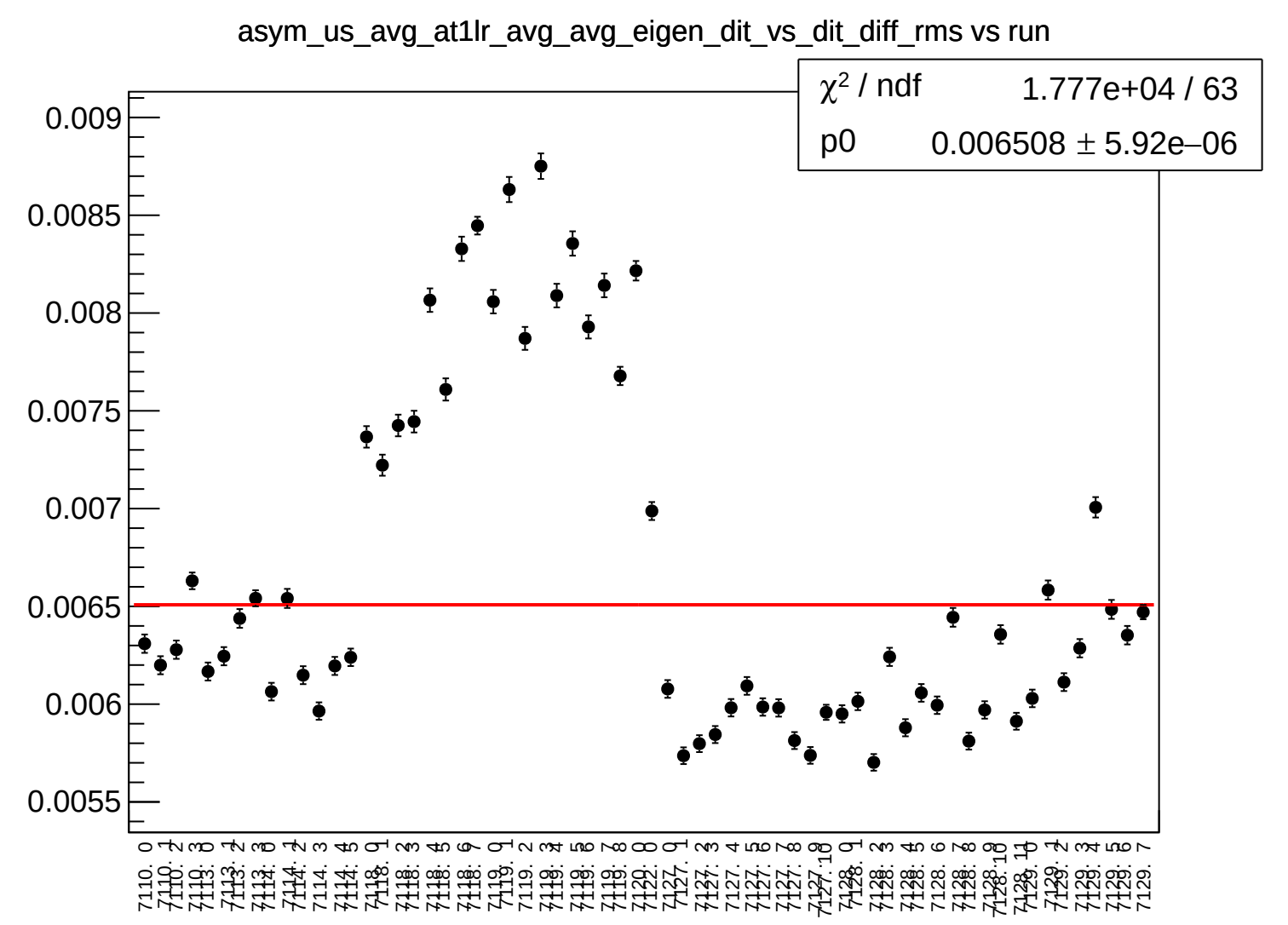

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.95 / 63
p0 −0.1508 ± 0.1387
pull
Entries 64
Mean 22.47
Std Dev 10.38

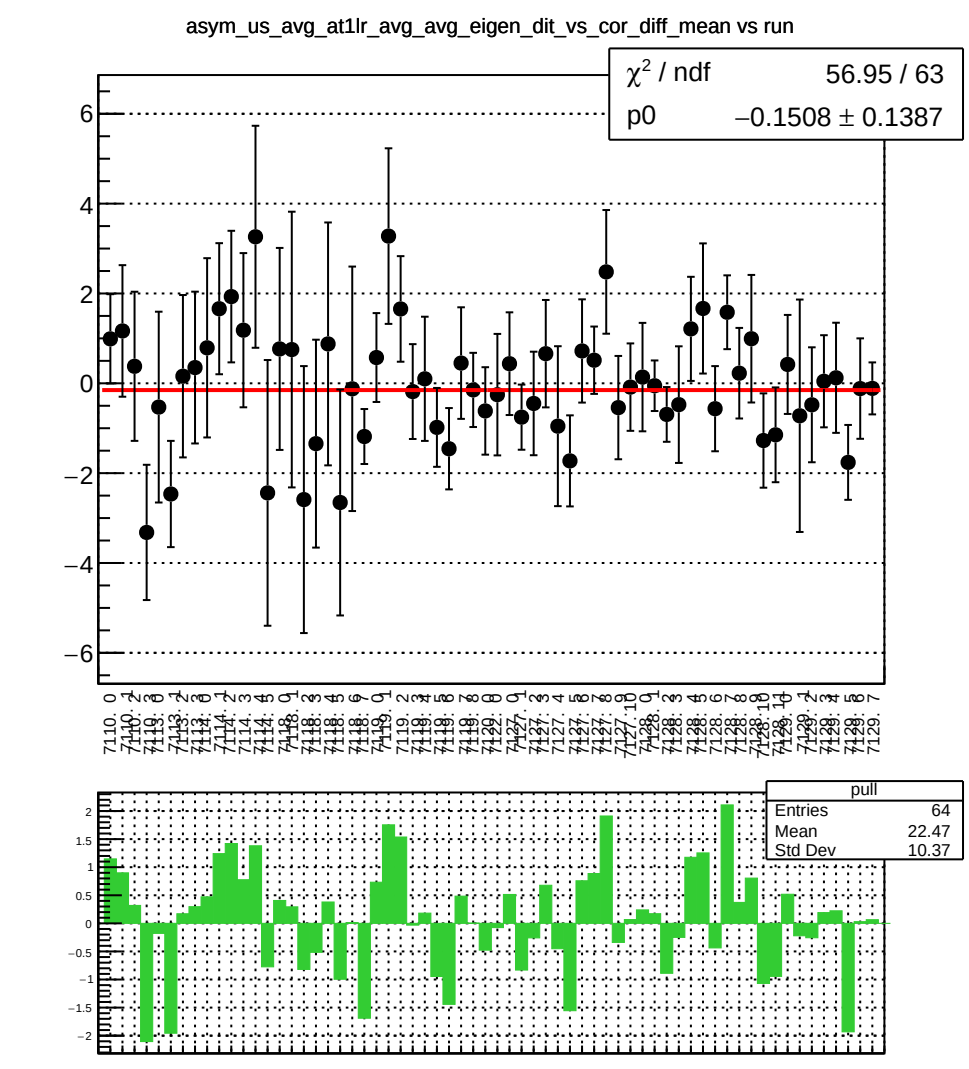

pull1D
Entries 64
Mean 0.0695
Std Dev 0.9408

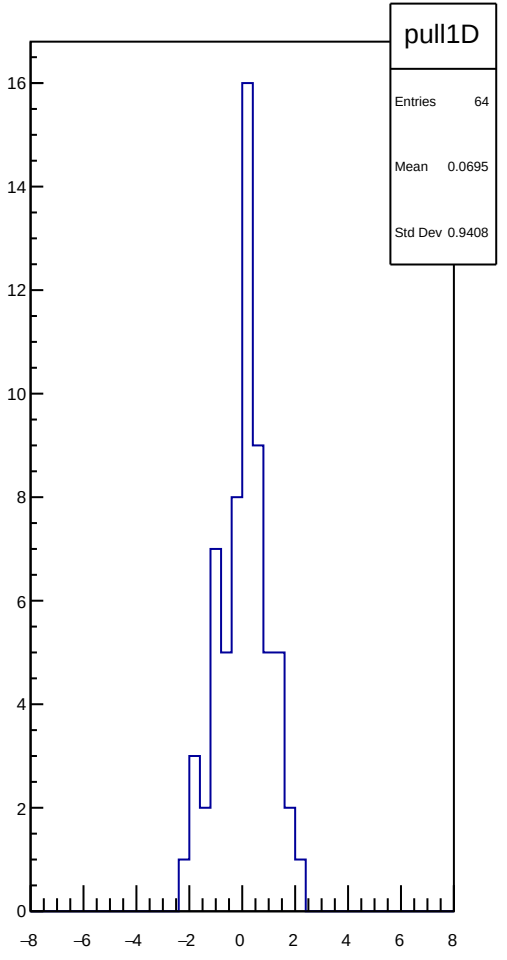

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.548e+05 / 63
p0 101.5 ± 0.09807
300
250
200
150
100
50

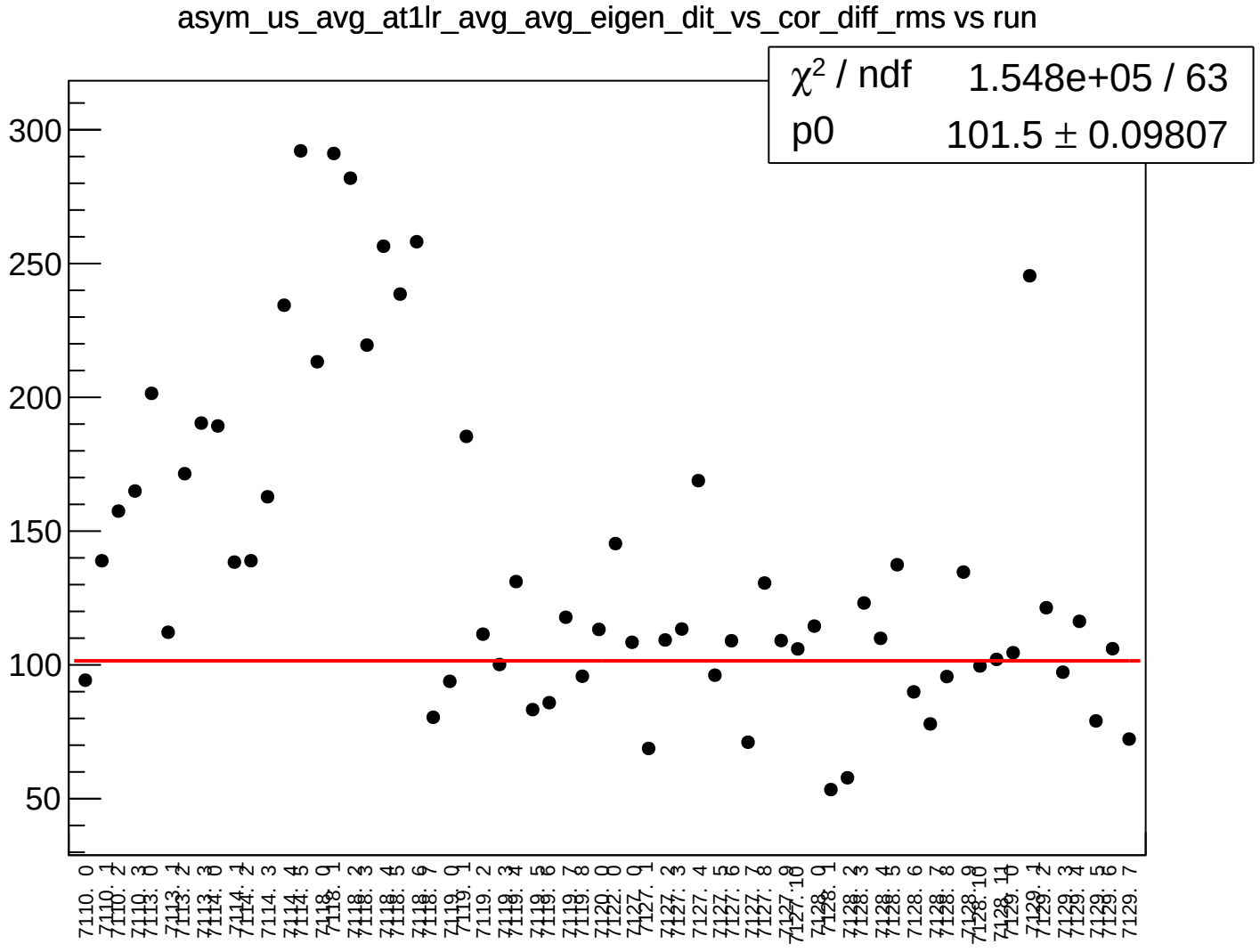

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.98 / 63
p0 −5.688e−06 ± 8.373e−06
pull
Entries 64
Mean 239.5
Std Dev 0

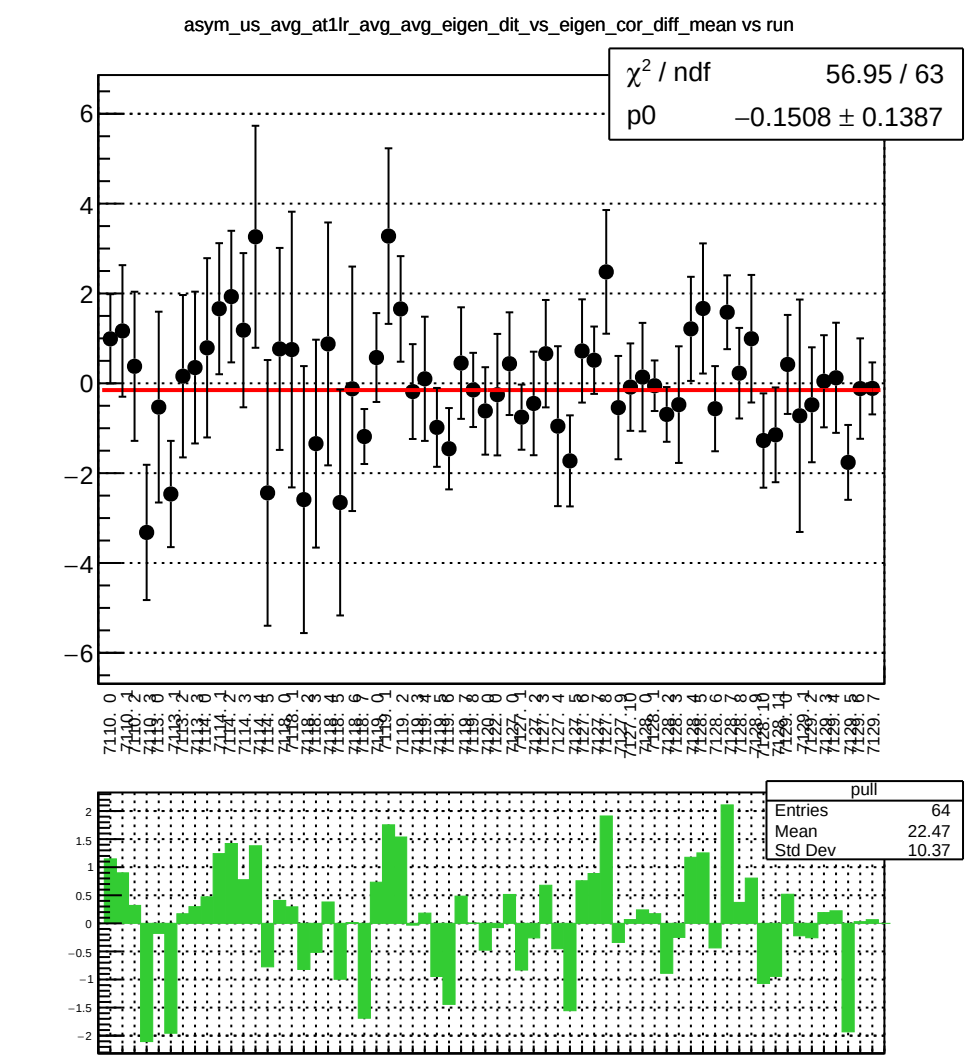

pull1D
Entries 64
Mean −0.01318
Std Dev 0.9183

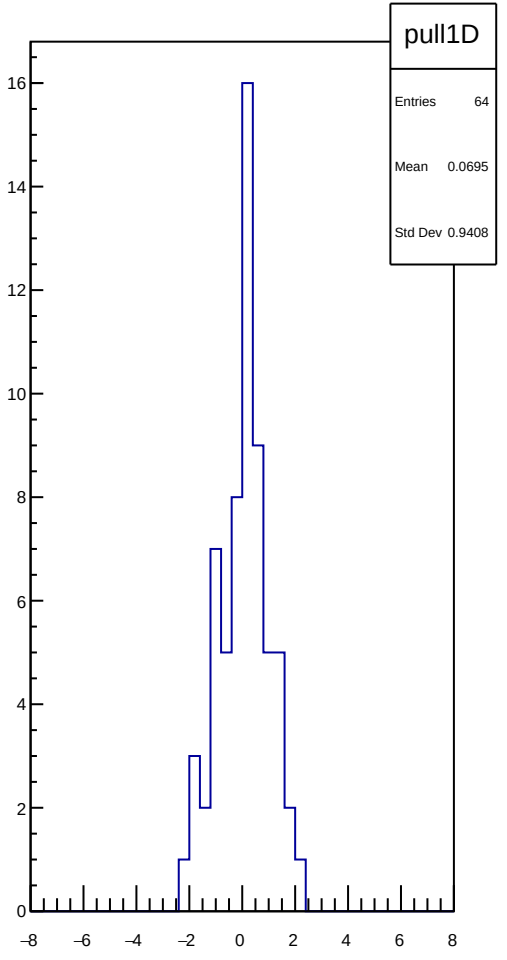

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.777e+04 / 63
p0 0.006508 ± 5.92e–06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055

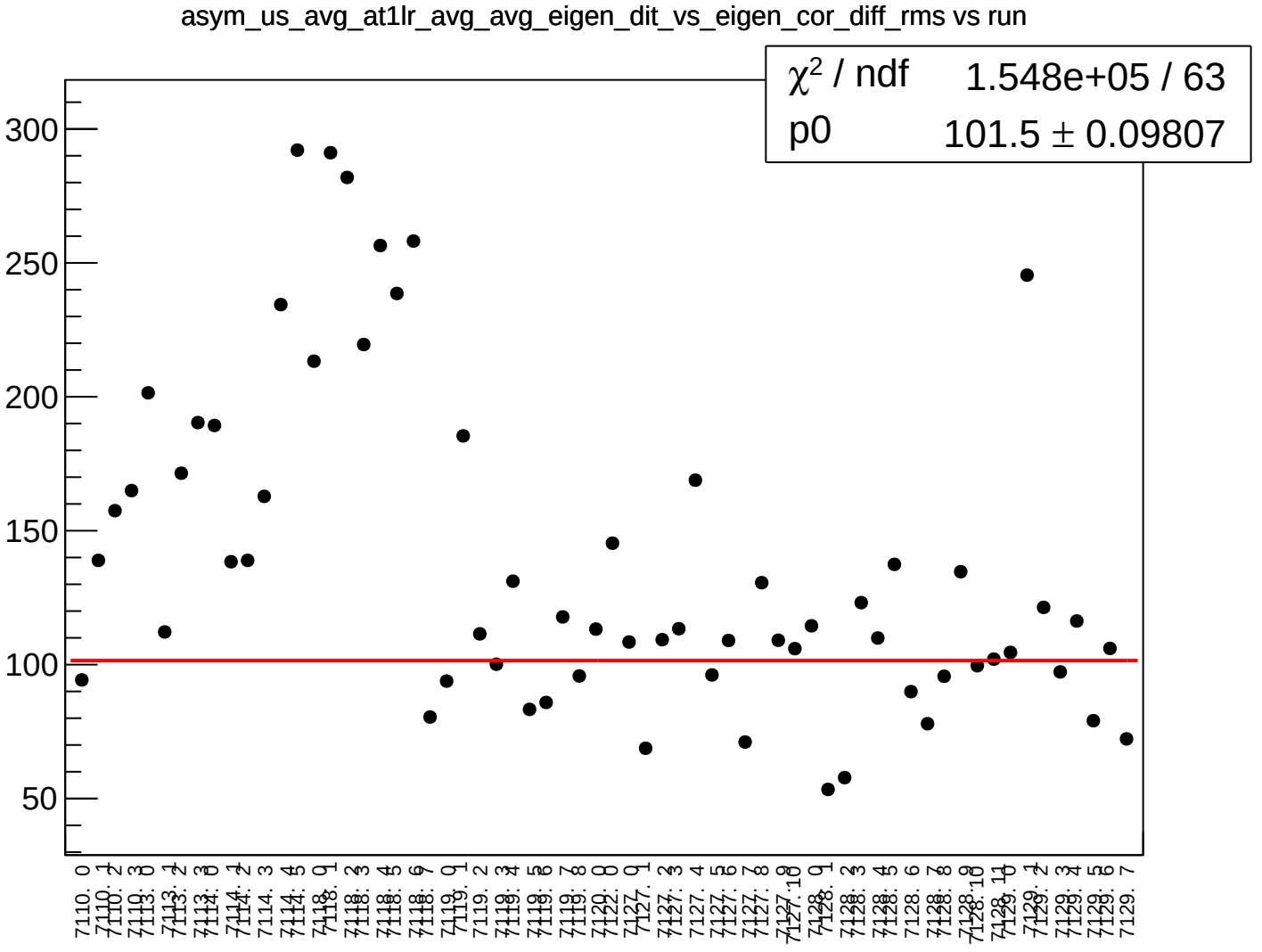

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.95 / 63
p0 −0.1508 ± 0.1387
pull
Entries 64
Mean 22.47
Std Dev 10.37

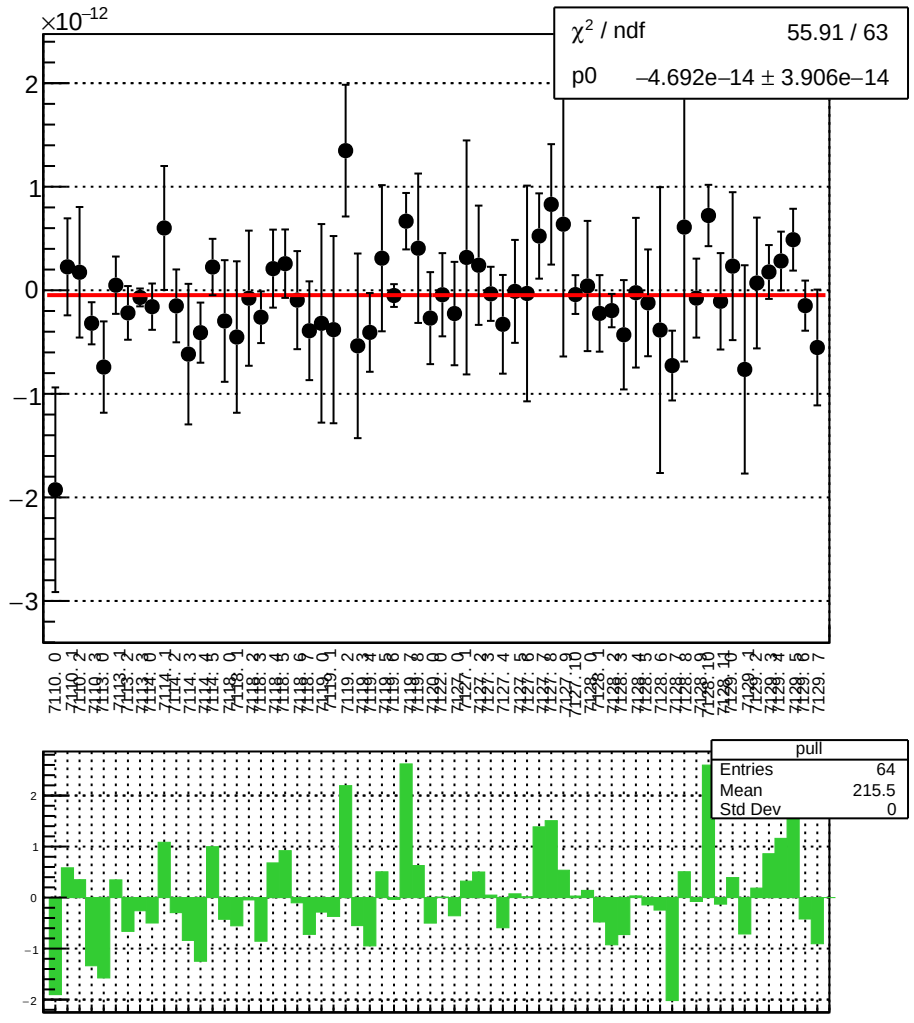

pull1D
Entries 64
Mean 0.0695
Std Dev 0.9408

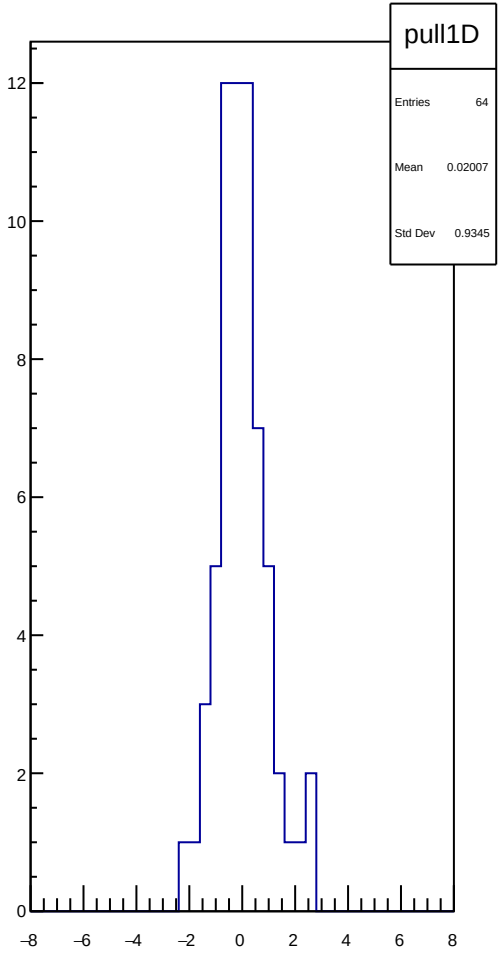

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.548e+05 / 63
p0 101.5 ± 0.09807
300
250
200
150
100
50

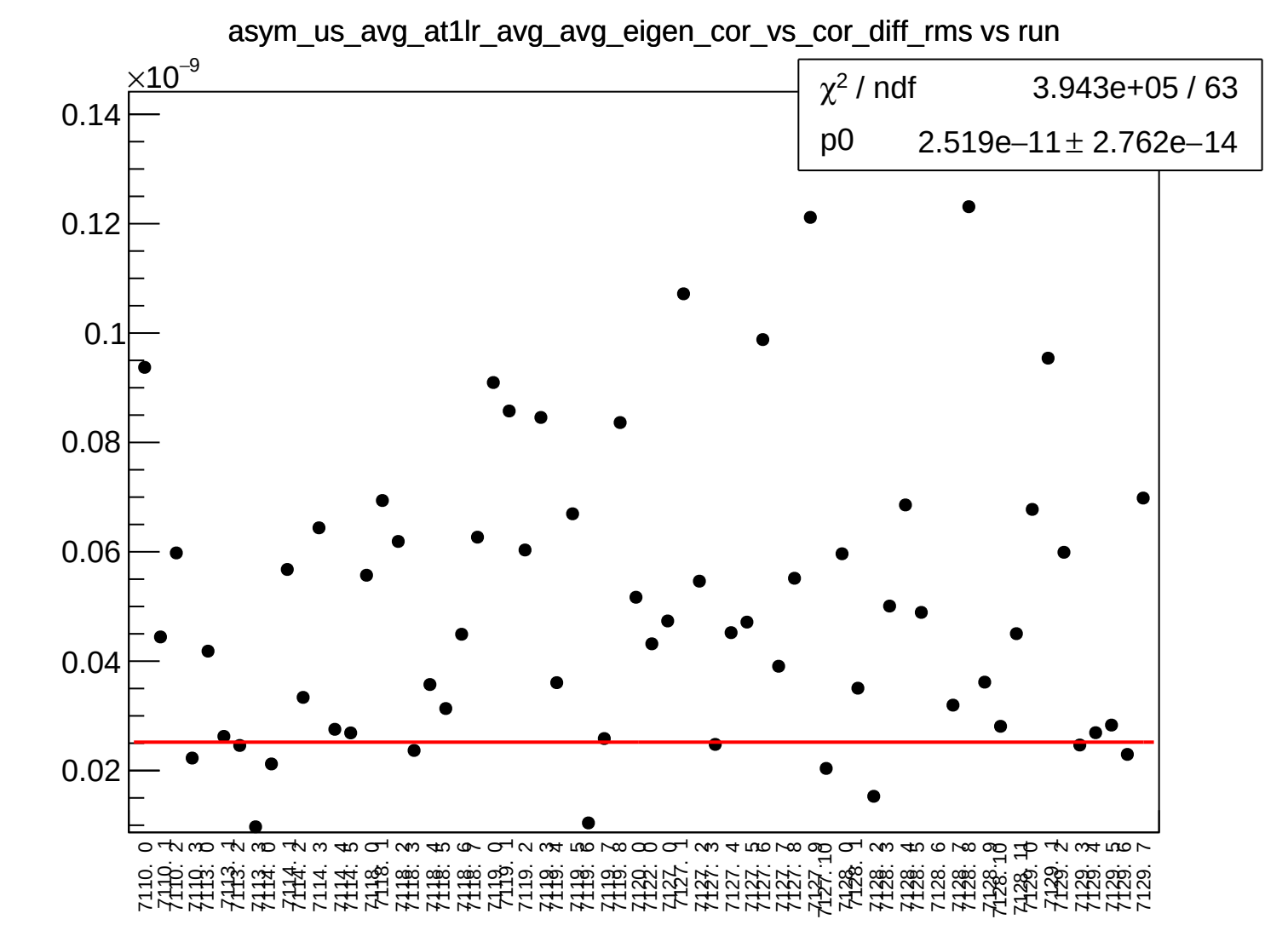

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.95 / 63
p0 −0.1508 ± 0.1387
pull
Entries 64
Mean 22.47
Std Dev 10.37

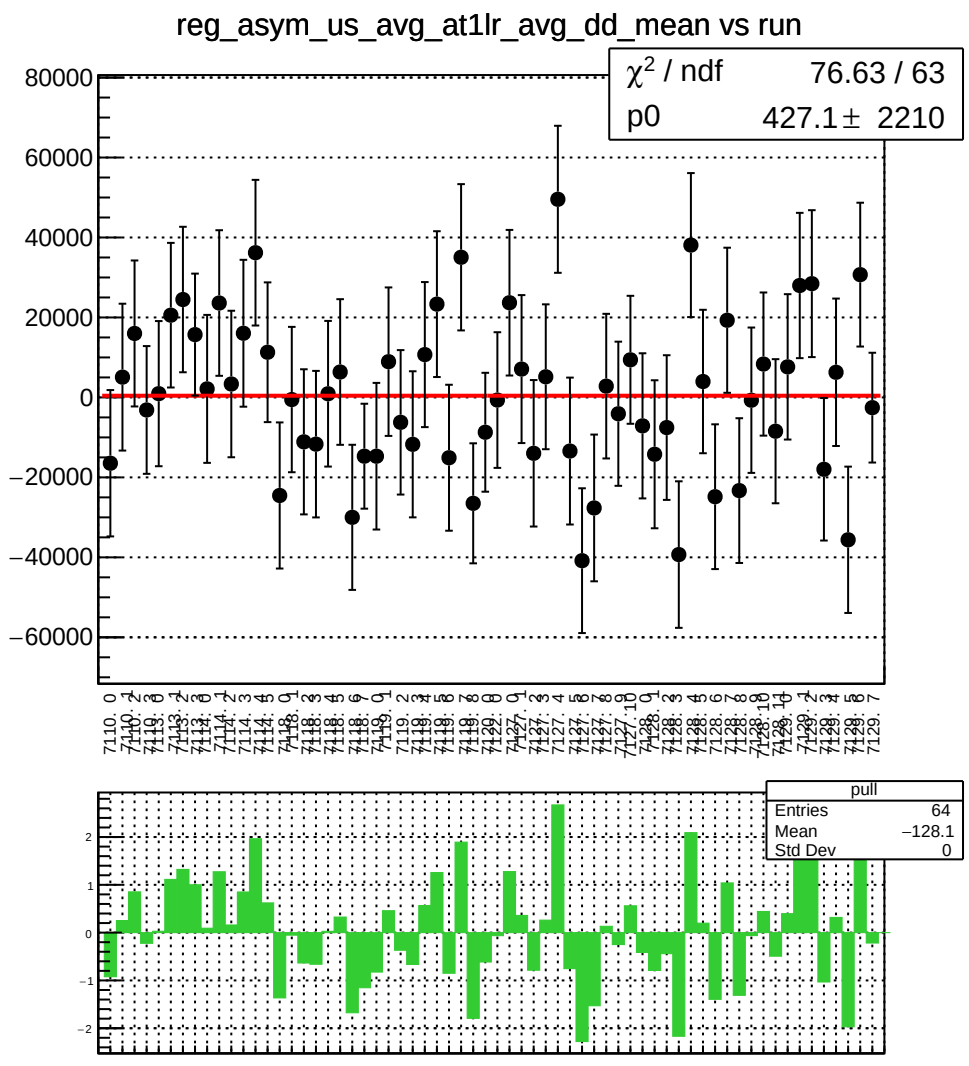

pull1D
Entries 64
Mean 0.0695
Std Dev 0.9408

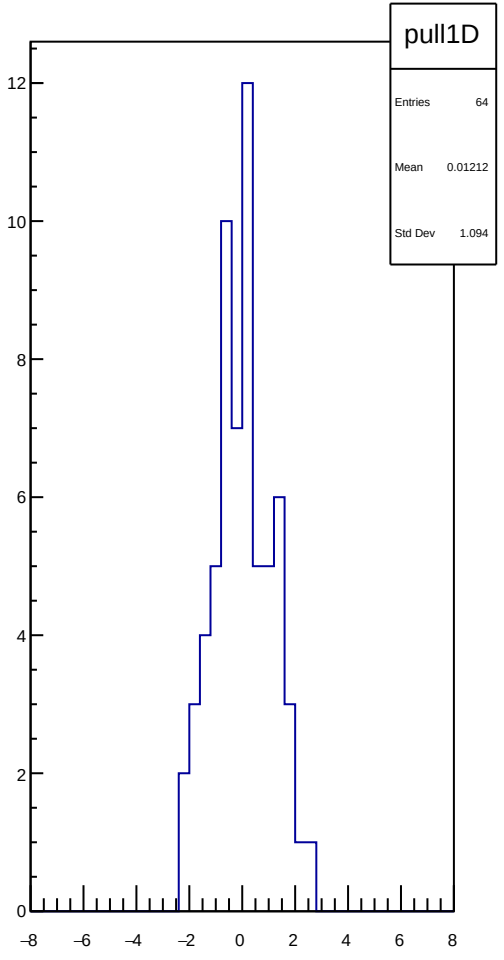

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.548e+05 / 63
p0 101.5 ± 0.09807
300
250
200
150
100
50

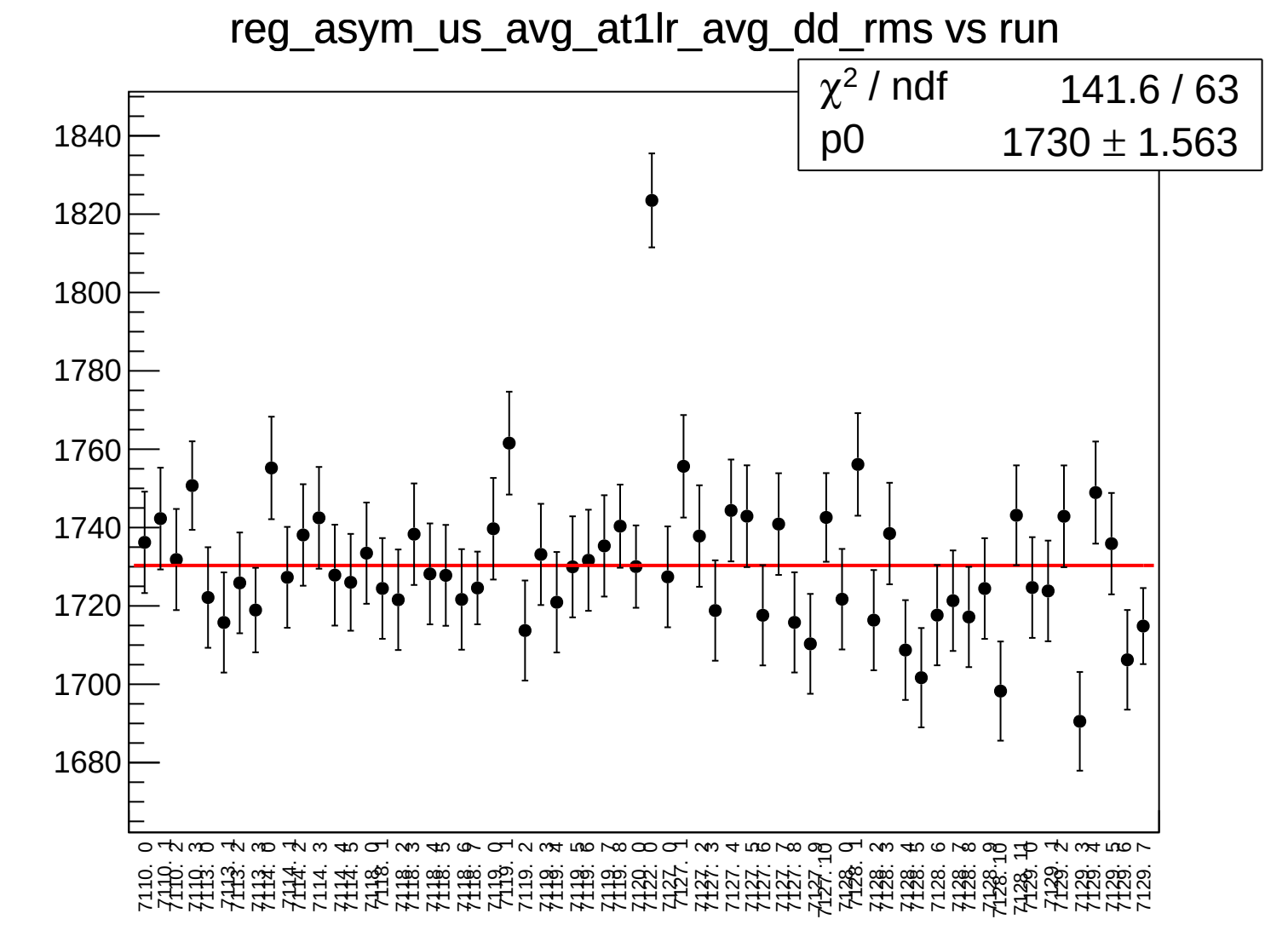

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.91 / 63
p0 −4.692e−14 ± 3.906e−14
pull
Entries 64
Mean 215.5
Std Dev 0

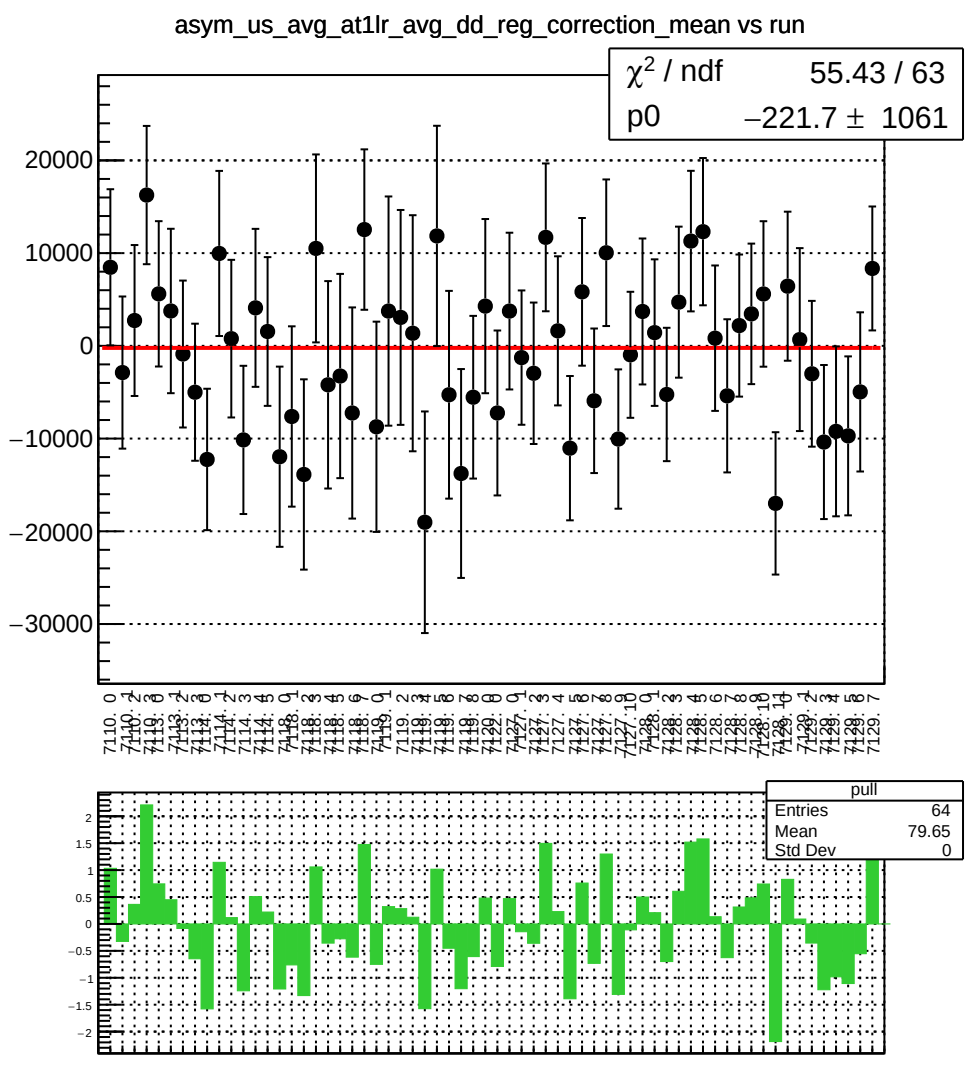

pull1D
Entries 64
Mean 0.02007
Std Dev 0.9345

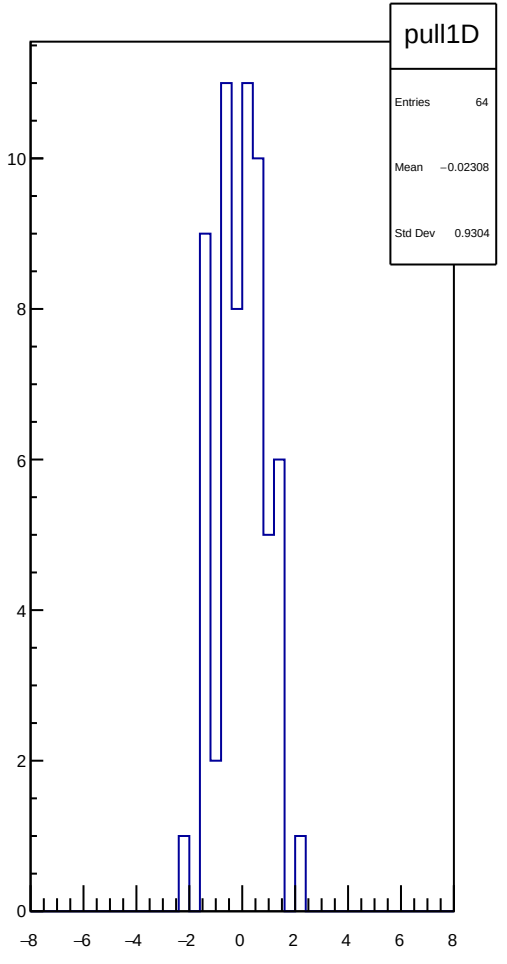

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.943e+05 / 63
p0 2.519e−11 ± 2.762e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

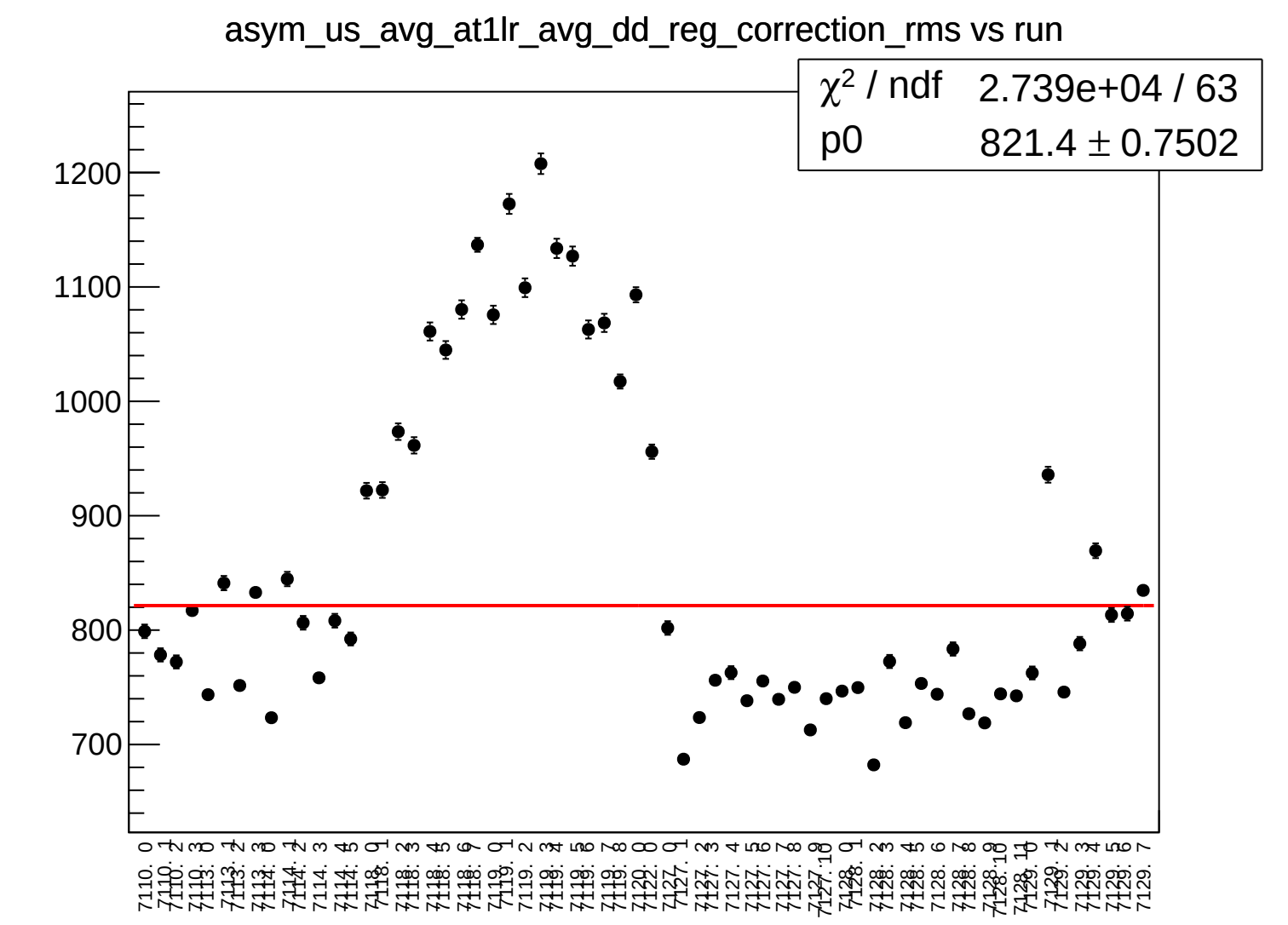

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 76.63 / 63
p0 427.1± 2210
pull
Entries 64
Mean −128.1
Std Dev 0

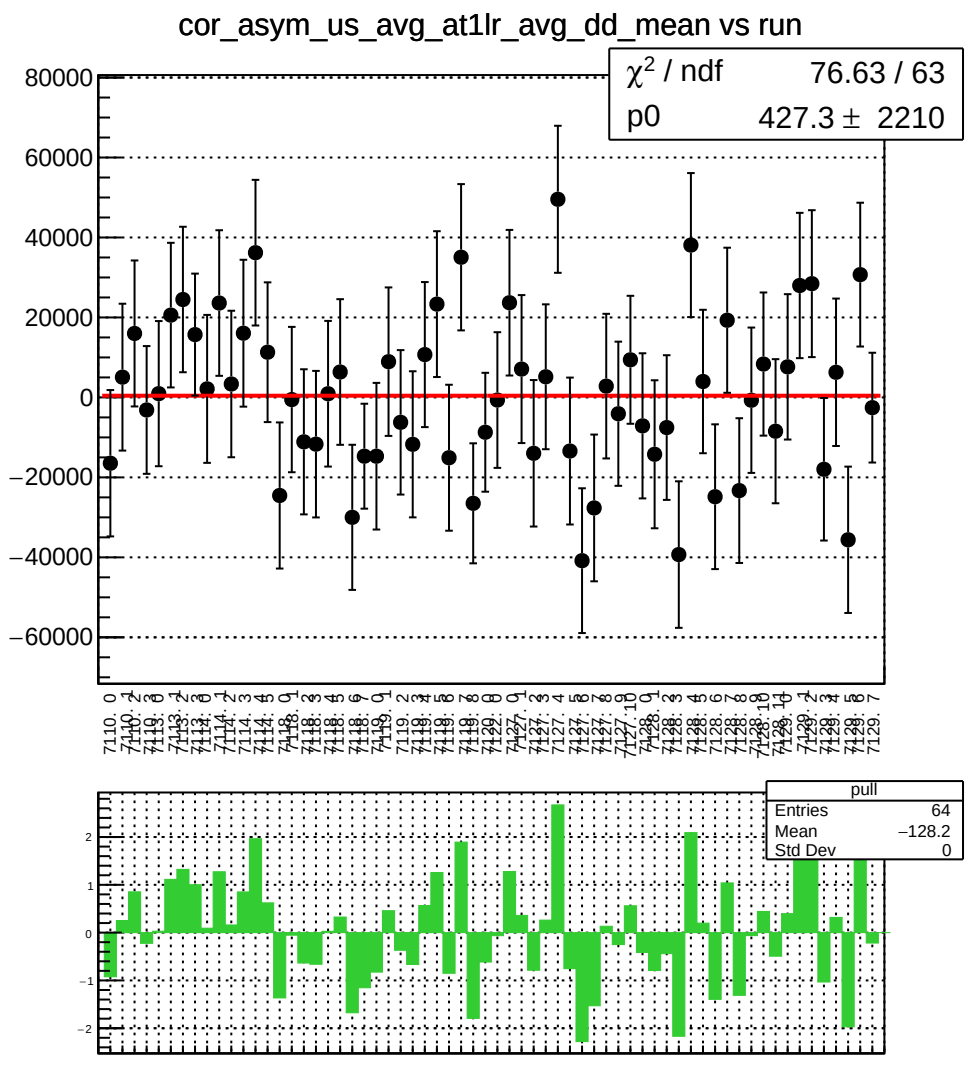

pull1D
Entries 64
Mean 0.01212
Std Dev 1.094

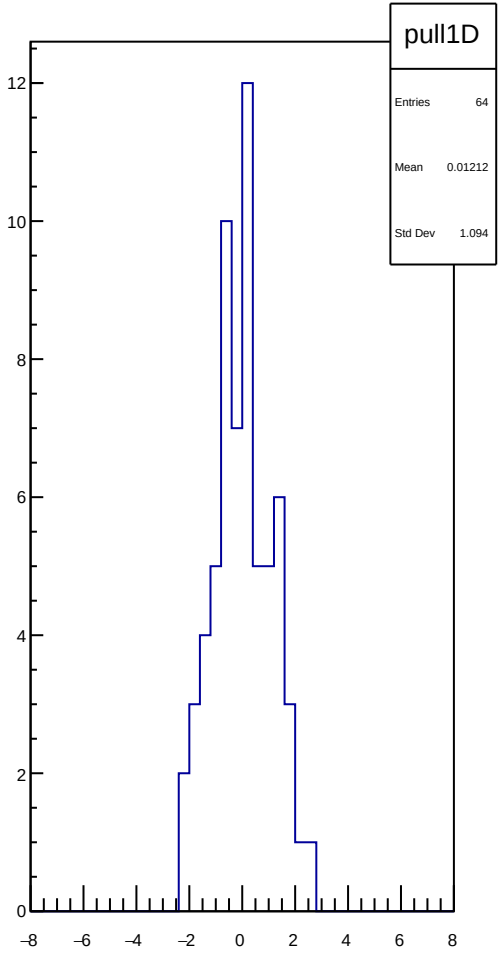

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 141.6 / 63
p0 1730 ± 1.563
1840
1820
1800
1780
1760
1740
1720
1700
1680

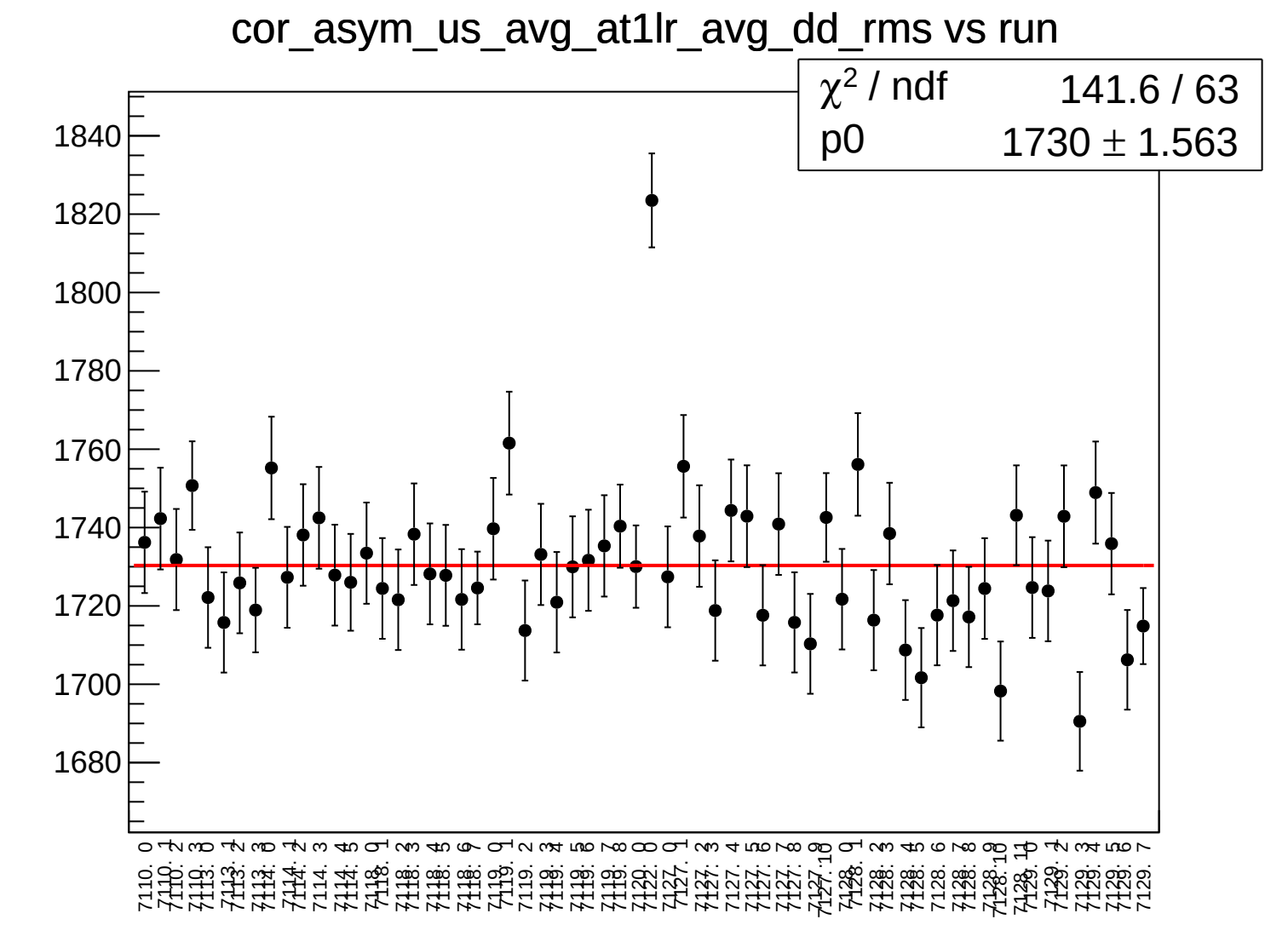

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 55.43 / 63
p0 −221.7 ± 1061
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 79.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

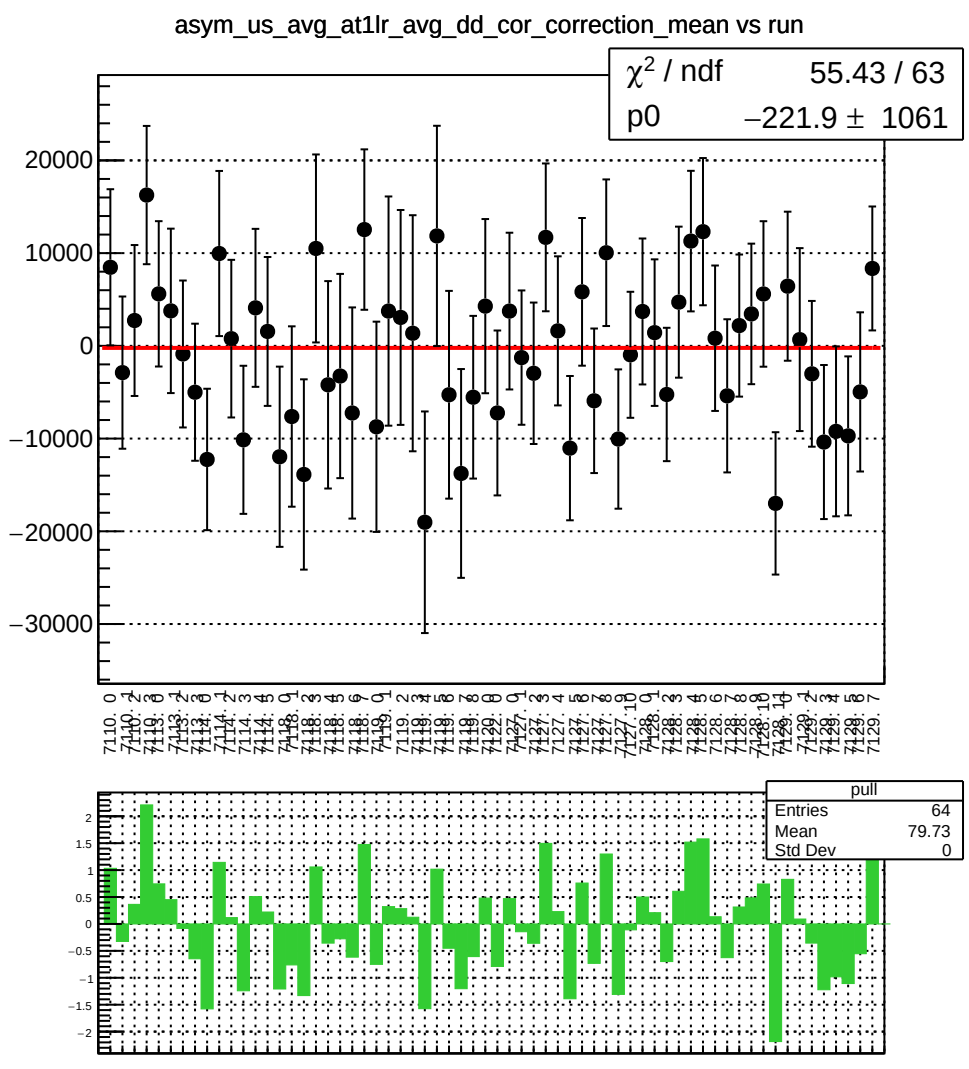

pull1D
Entries 64
Mean −0.02308
Std Dev 0.9304
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

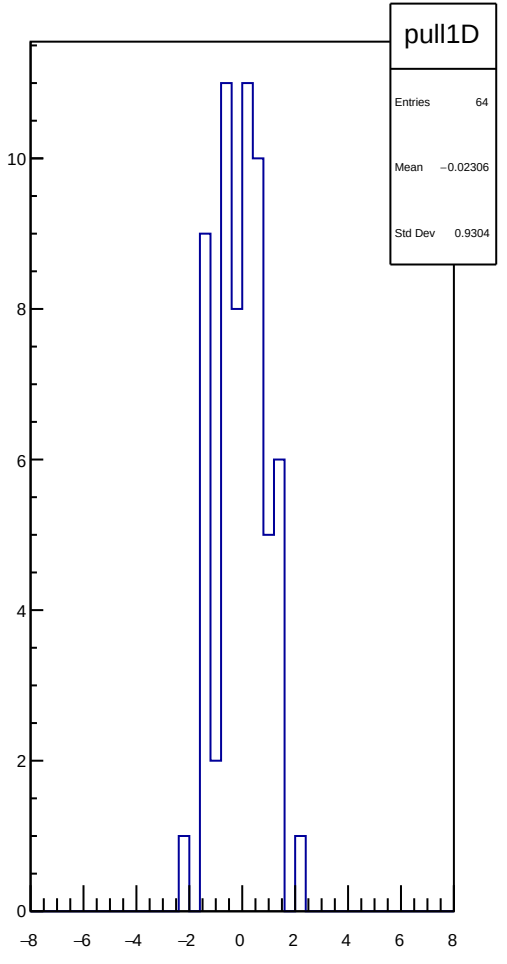

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.739e+04 / 63
p0 821.4 ± 0.7502
1200
1100
1000
900
800
700

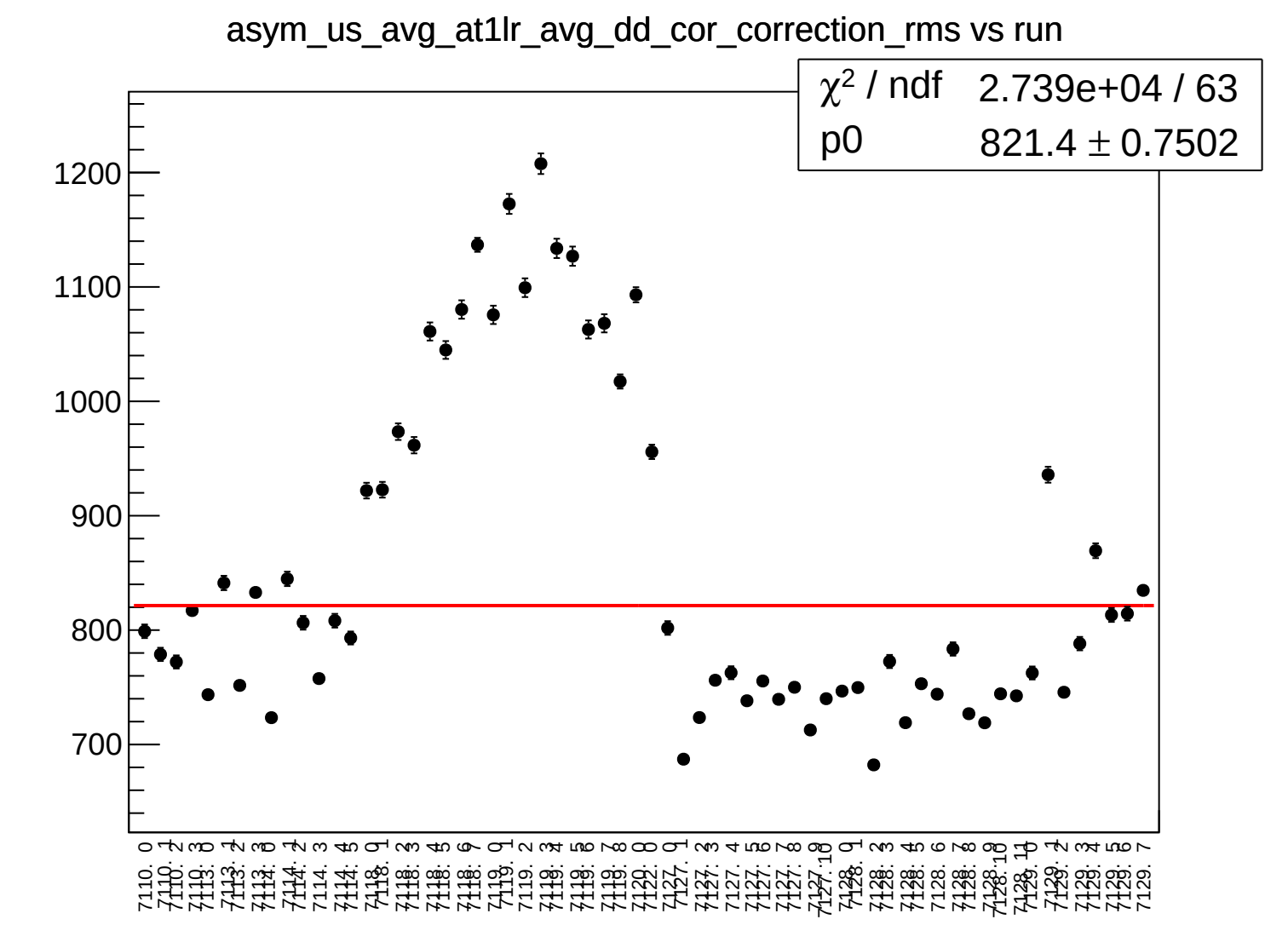

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 76.63 / 63
p0 427.3 ± 2210
pull
Entries 64
Mean −128.2
Std Dev 0

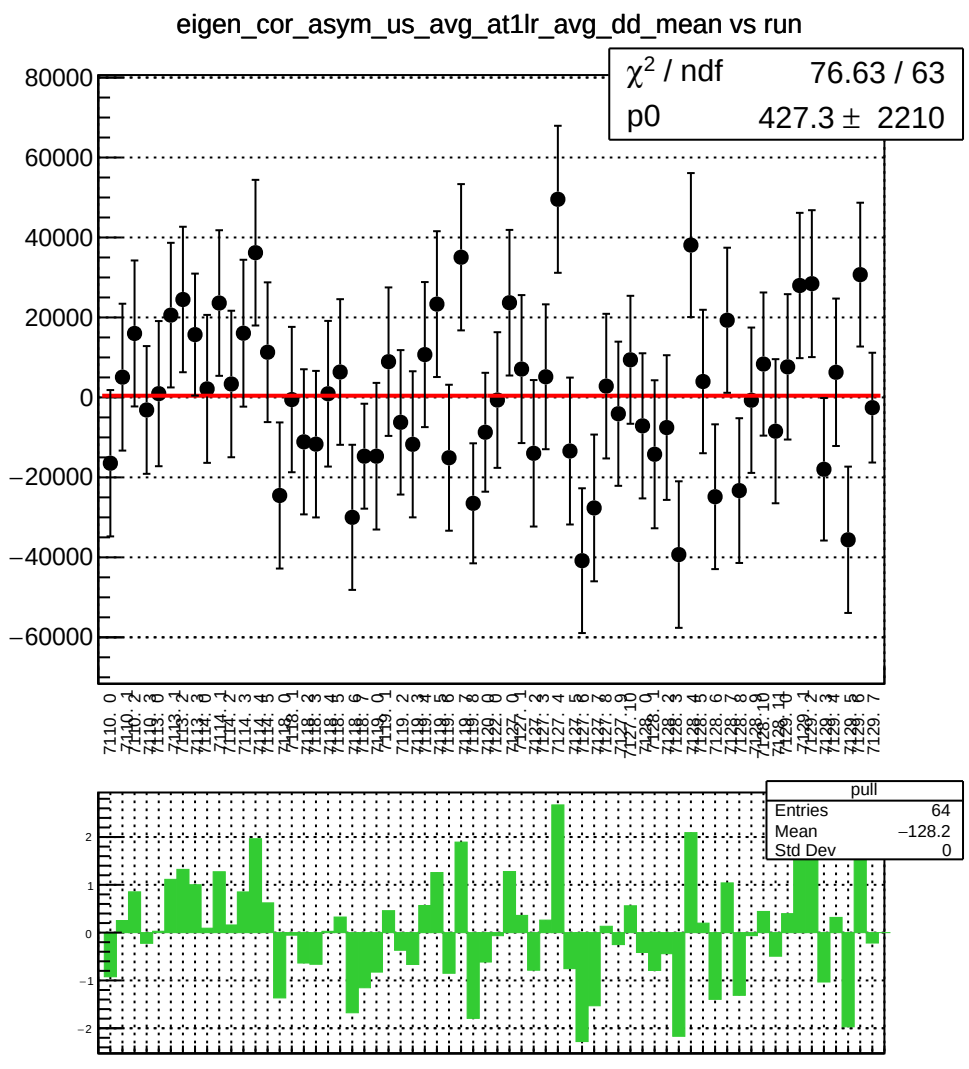

pull1D
Entries 64
Mean 0.01212
Std Dev 1.094

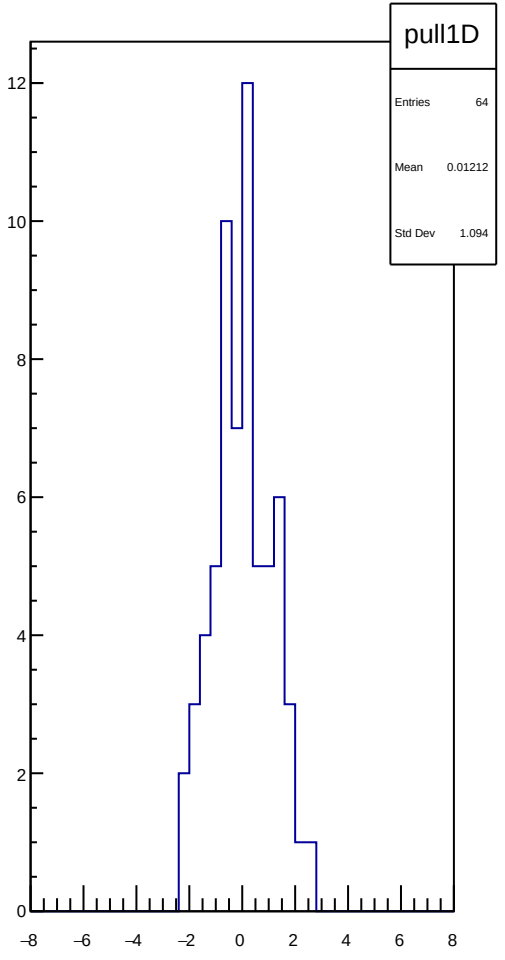

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 141.6 / 63
p0 1730 ± 1.563
1840
1820
1800
1780
1760
1740
1720
1700
1680

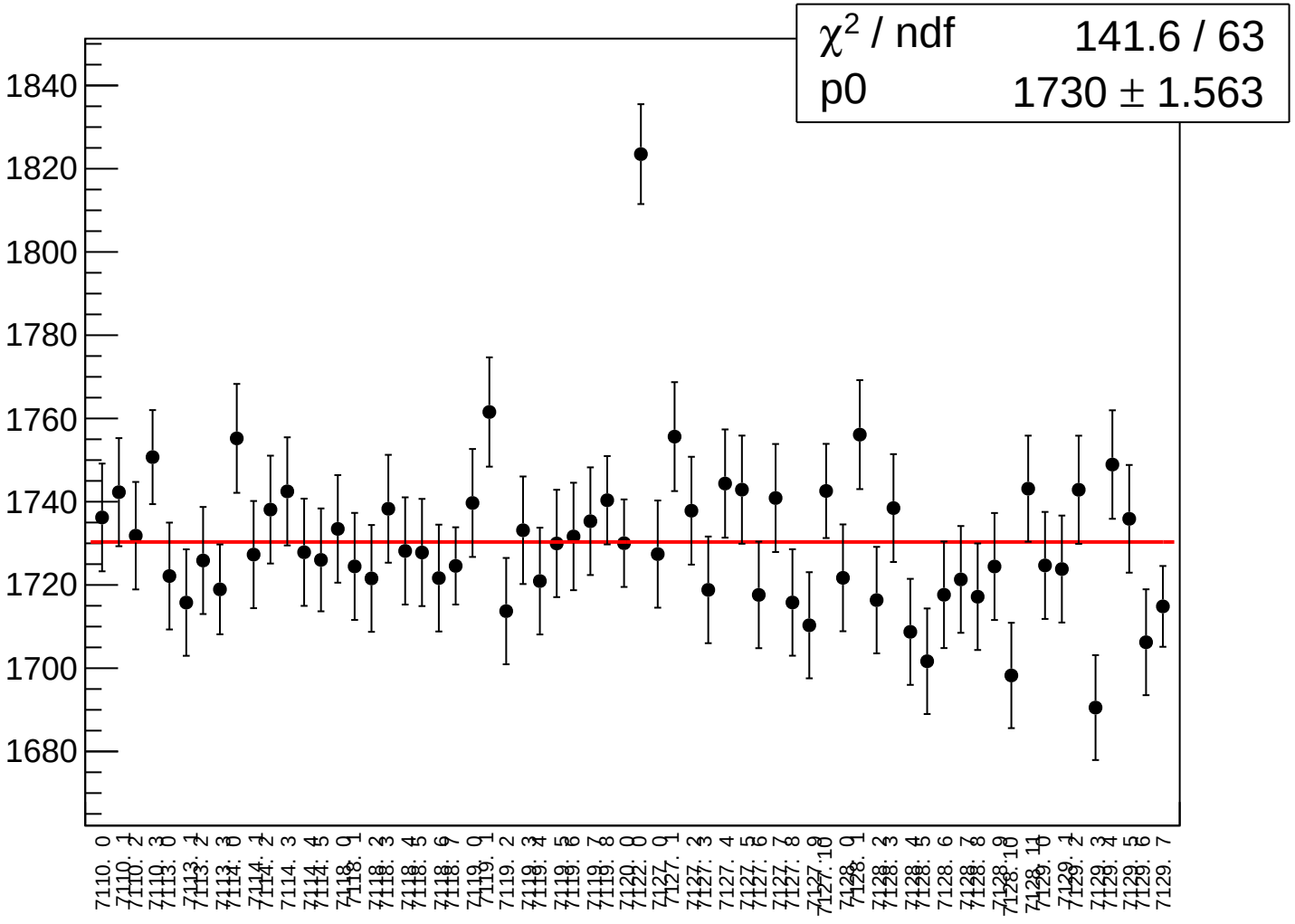

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 55.43 / 63
p0 −221.9 ± 1061
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 79.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

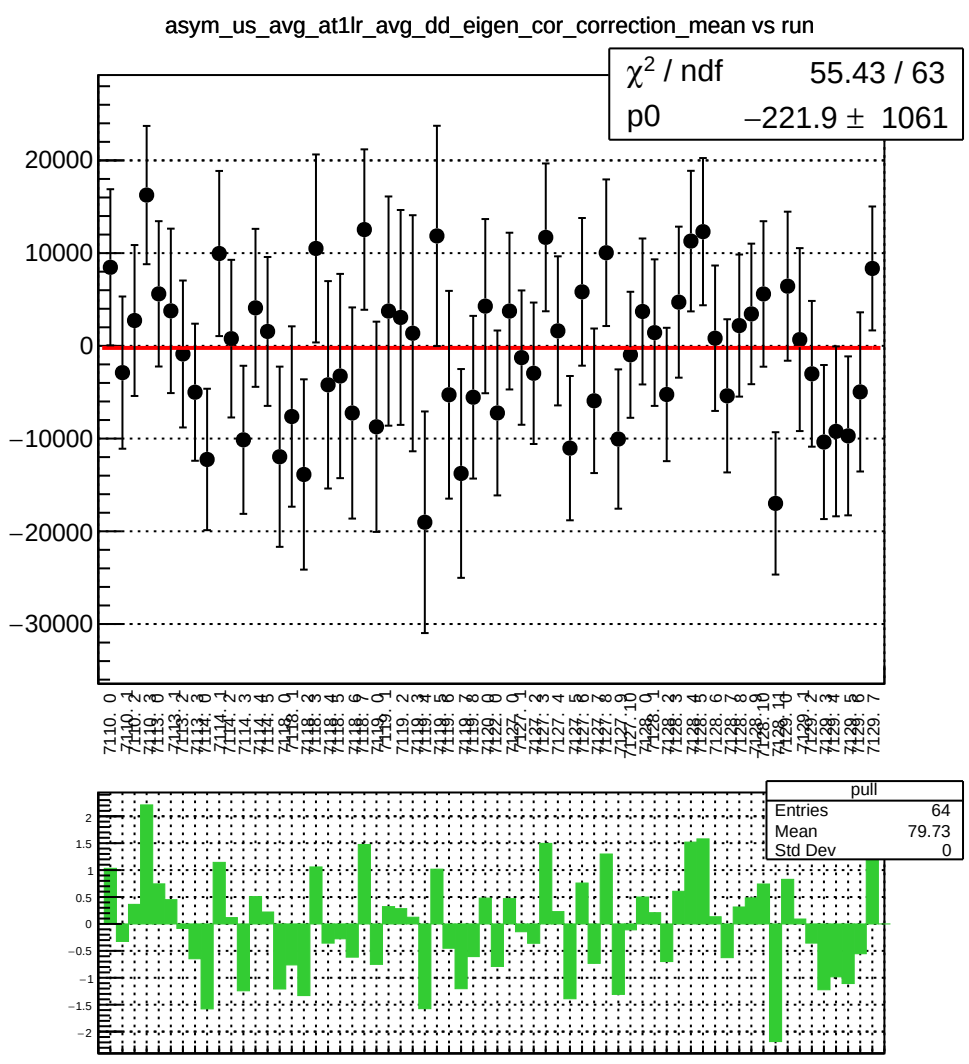

pull1D
Entries 64
Mean −0.02306
Std Dev 0.9304
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

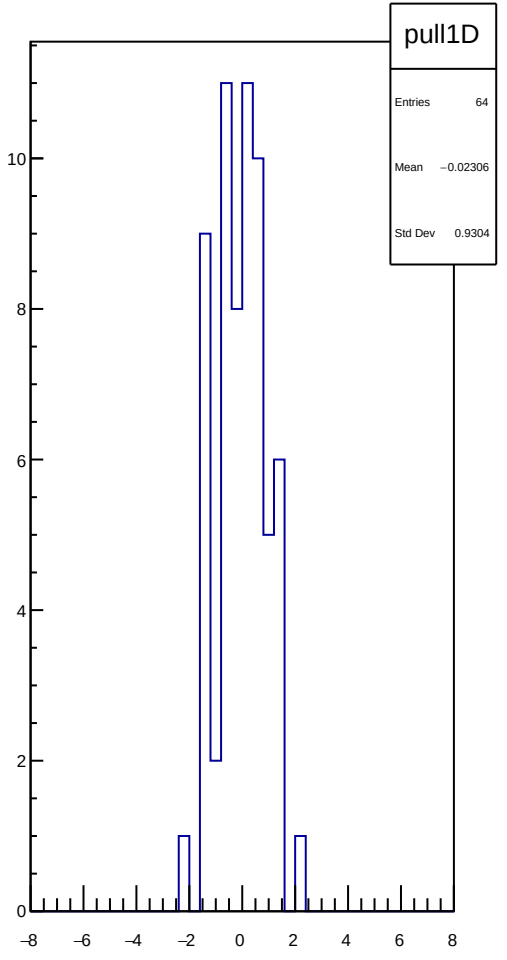

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.739e+04 / 63
p0 821.4 ± 0.7502
1200
1100
1000
900
800
700

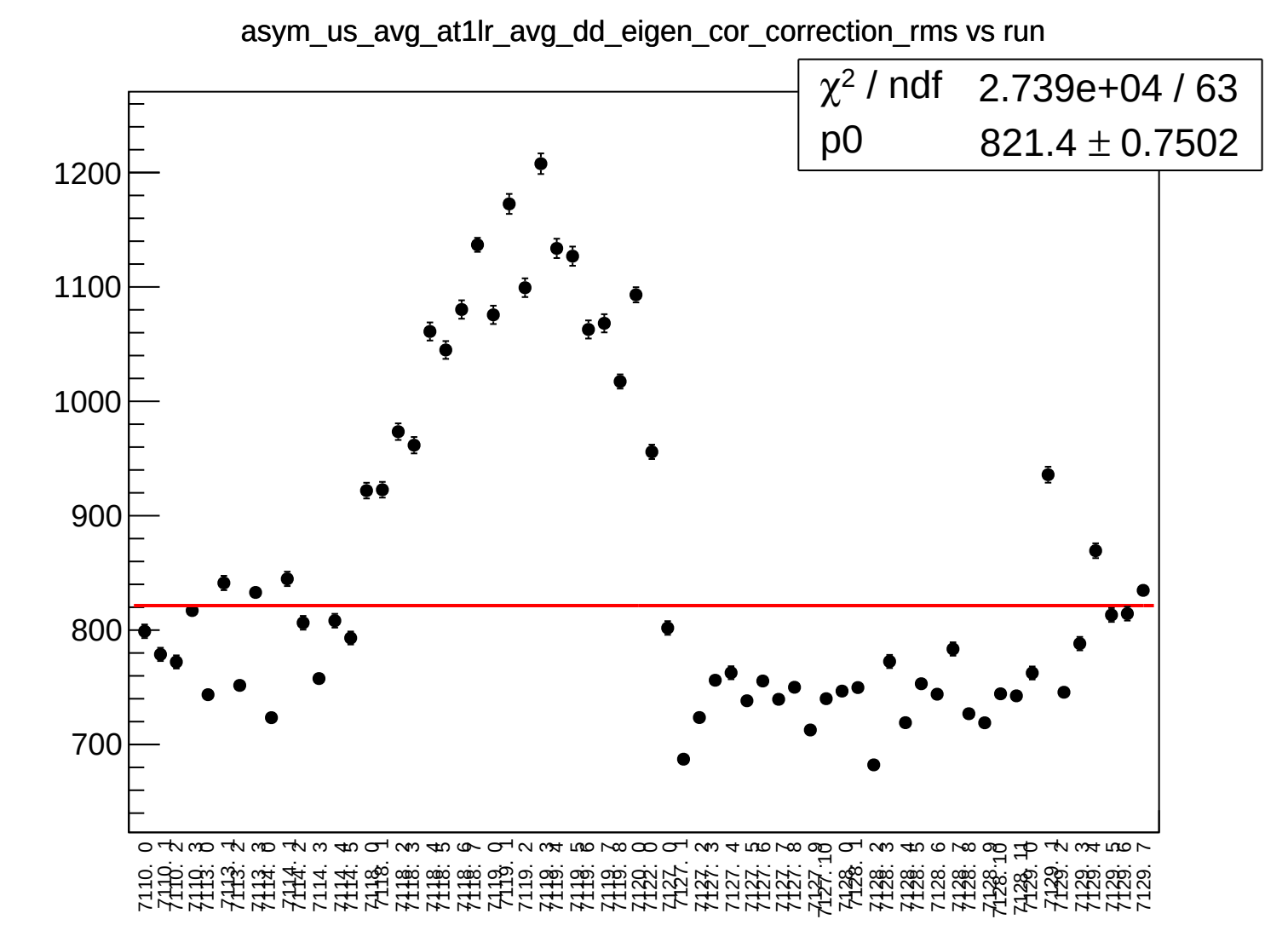

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 76.63 / 63
p0 427.3 ± 2210
pull
Entries 64
Mean −128.2
Std Dev 0

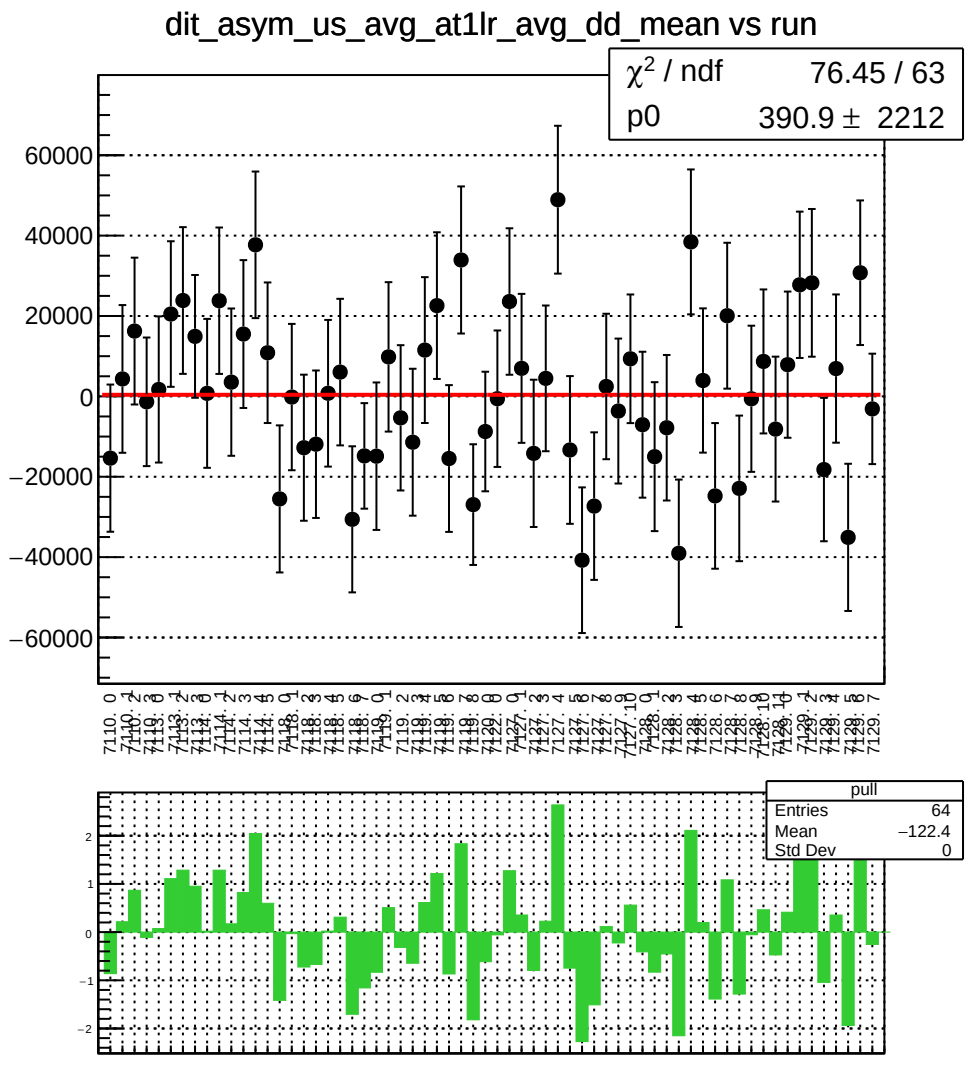

pull1D
Entries 64
Mean 0.01212
Std Dev 1.094

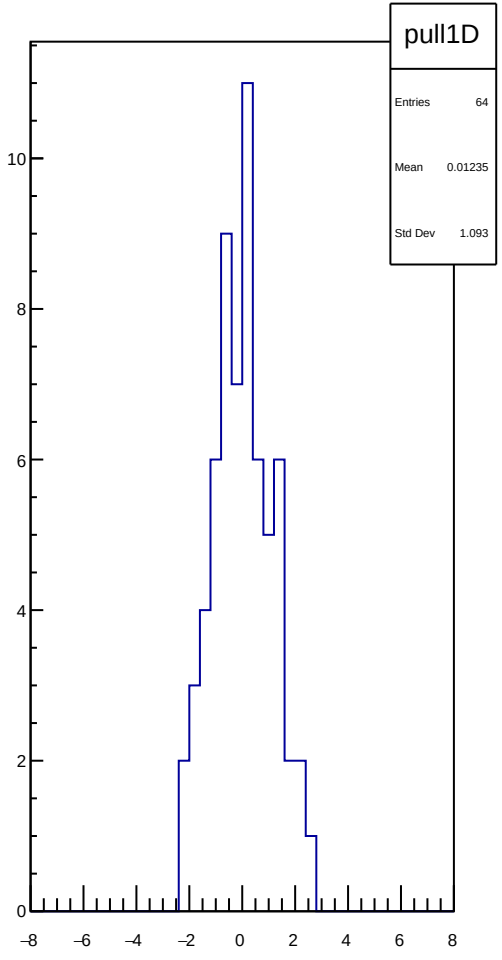

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 141.6 / 63
p0 1730 ± 1.563
1840
1820
1800
1780
1760
1740
1720
1700
1680

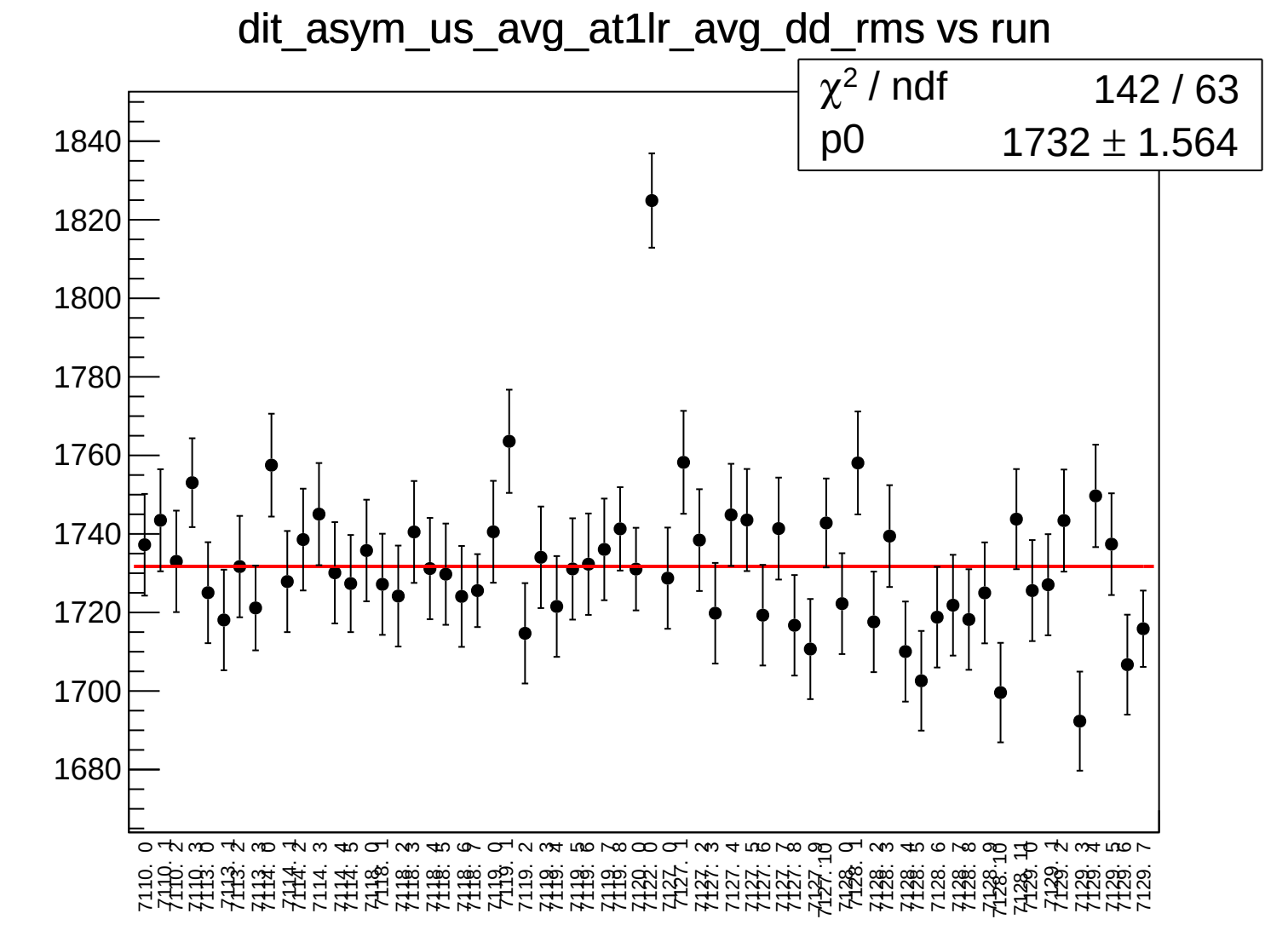

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.43 / 63
p0 −221.9 ± 1061
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 79.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

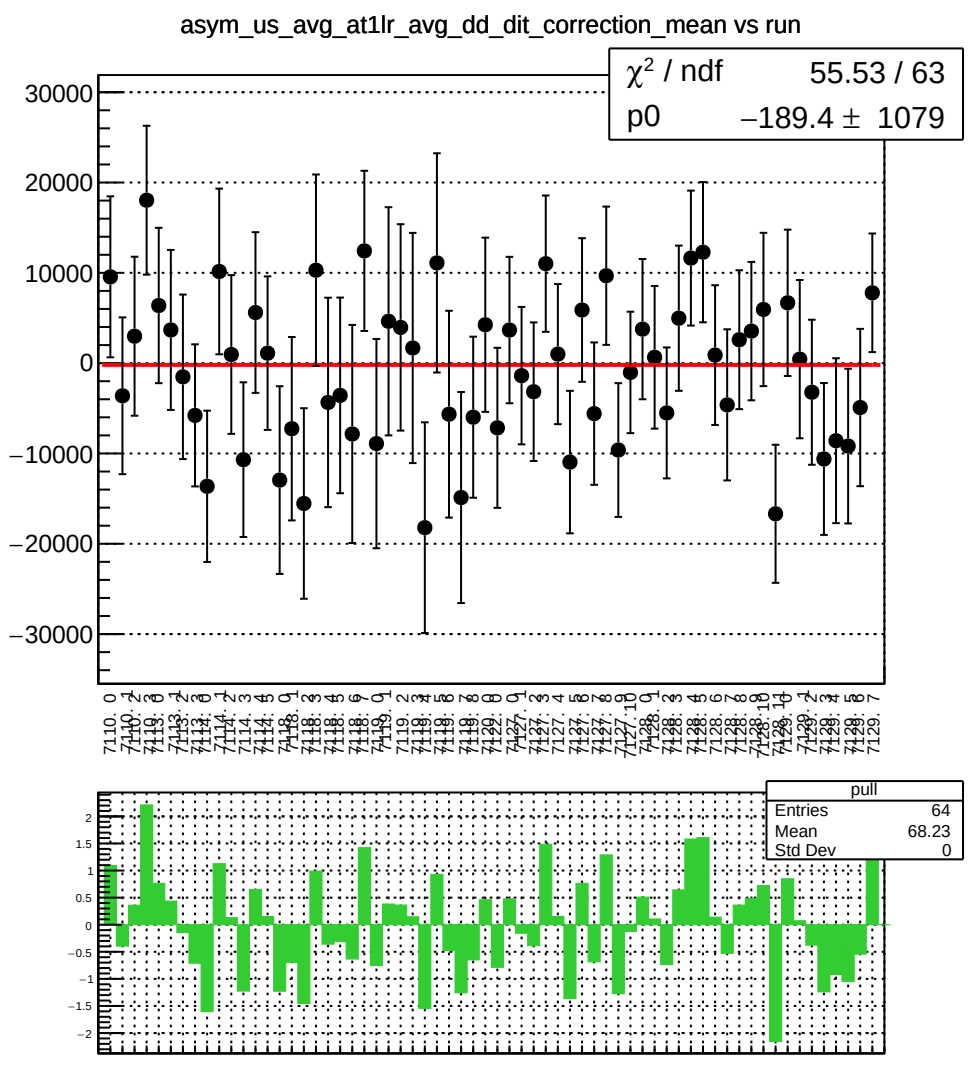

pull1D
Entries 64
Mean −0.02306
Std Dev 0.9304
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

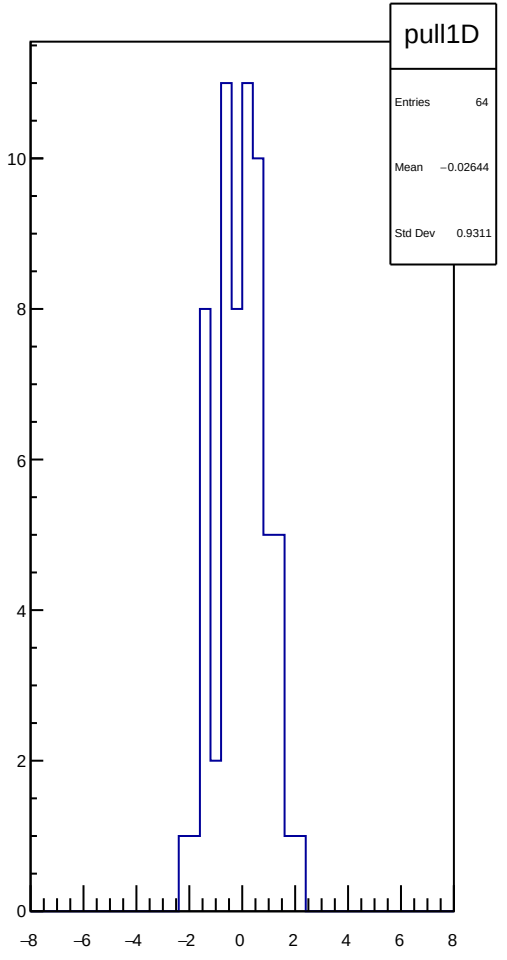

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.739e+04 / 63
p0 821.4 ± 0.7502
1200
1100
1000
900
800
700

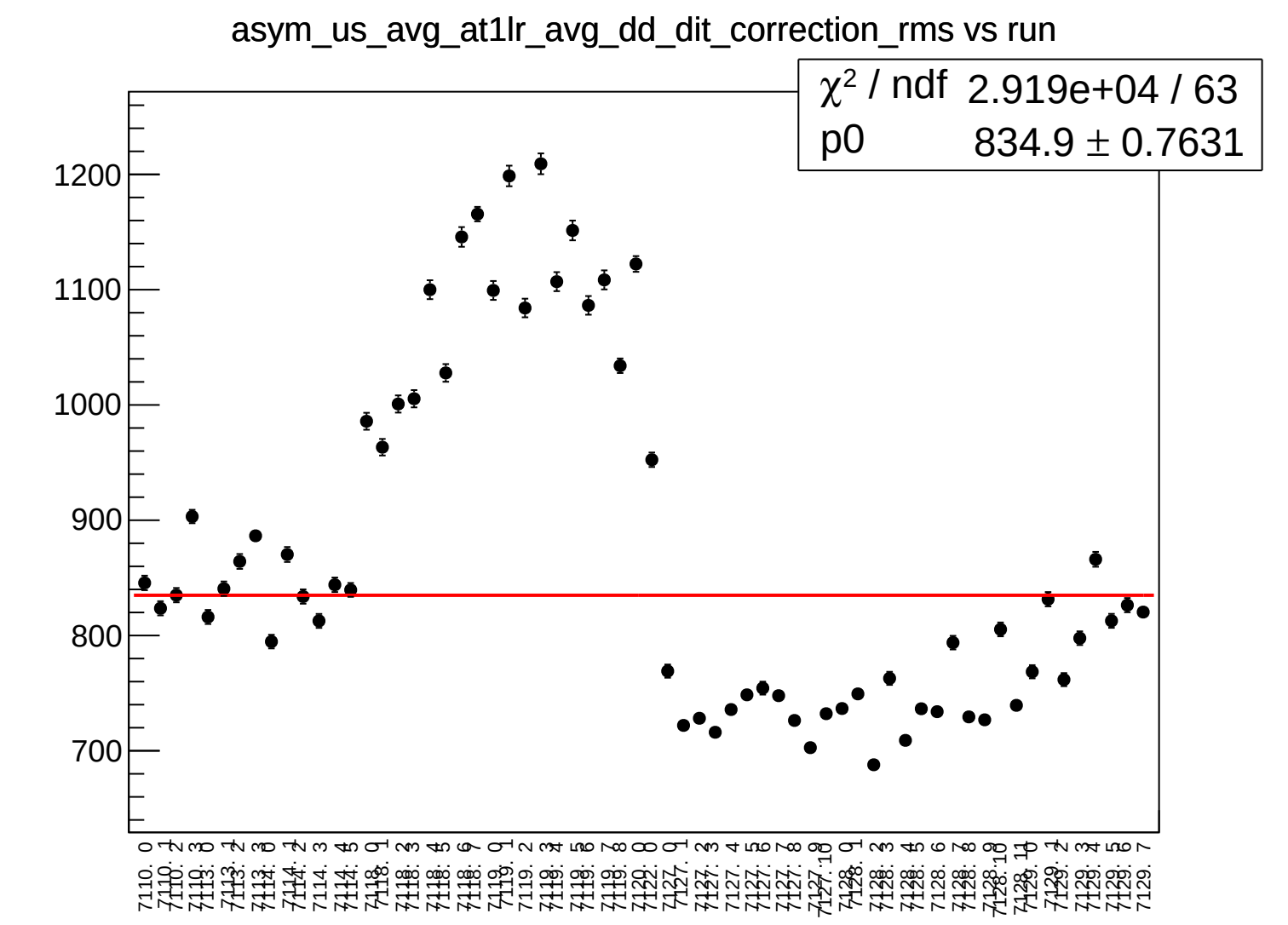

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 76.45 / 63
p0 390.9 ± 2212
pull
Entries 64
Mean −122.4
Std Dev 0

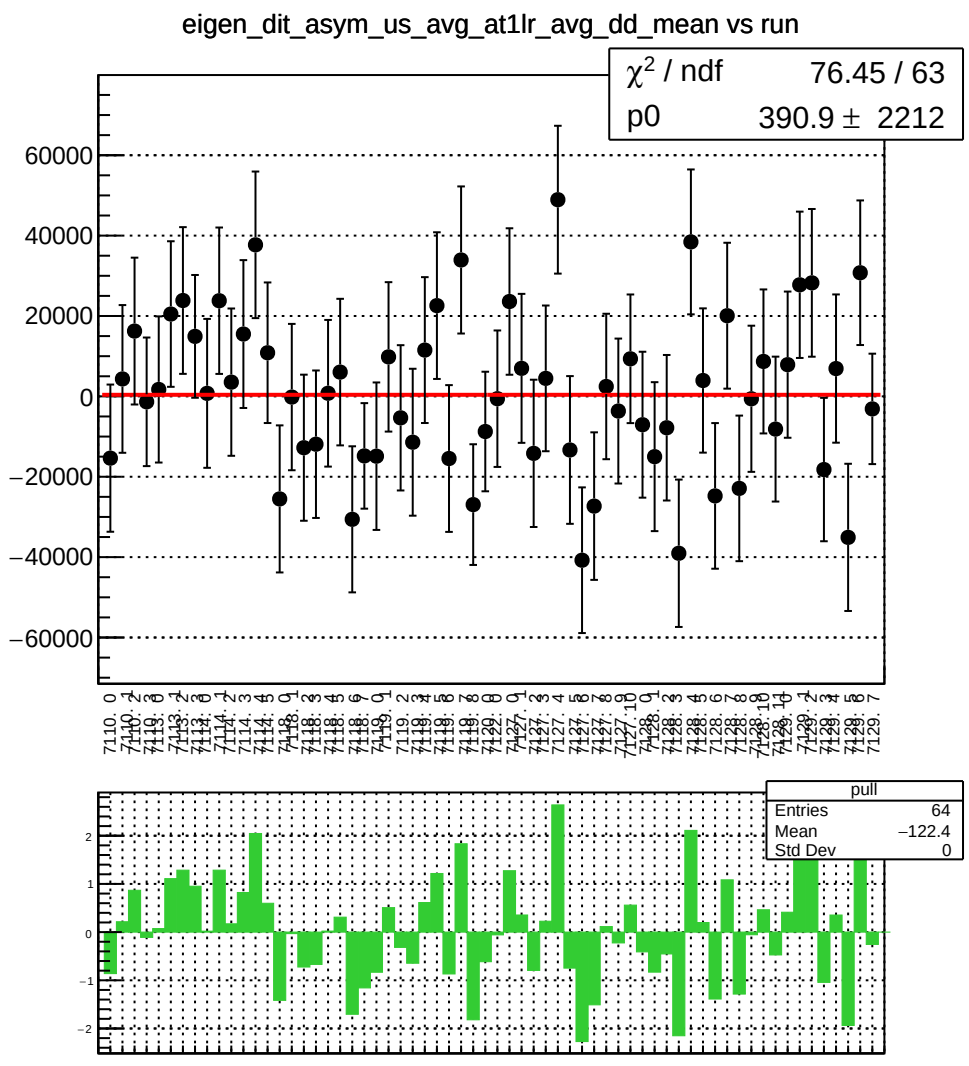

pull1D
Entries 64
Mean 0.01235
Std Dev 1.093

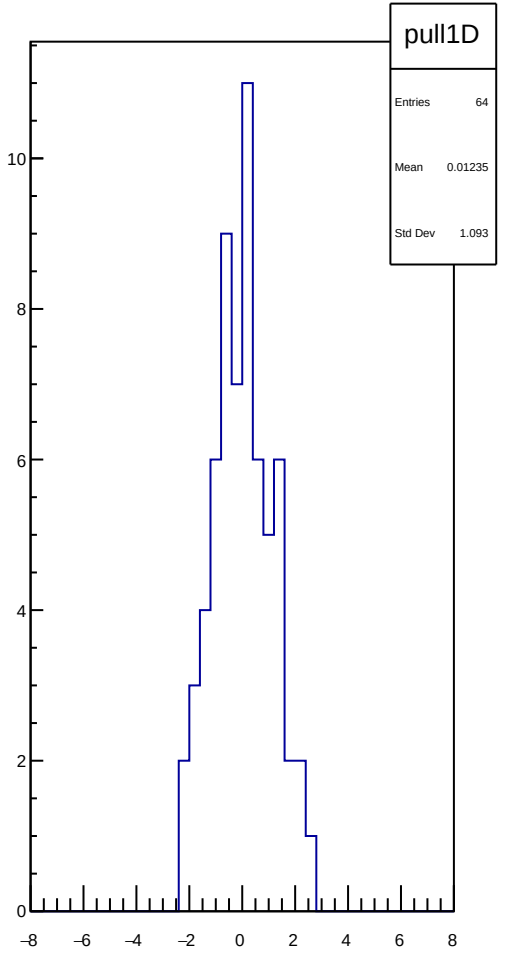

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 142 / 63
p0 1732 ± 1.564
1840
1820
1800
1780
1760
1740
1720
1700
1680

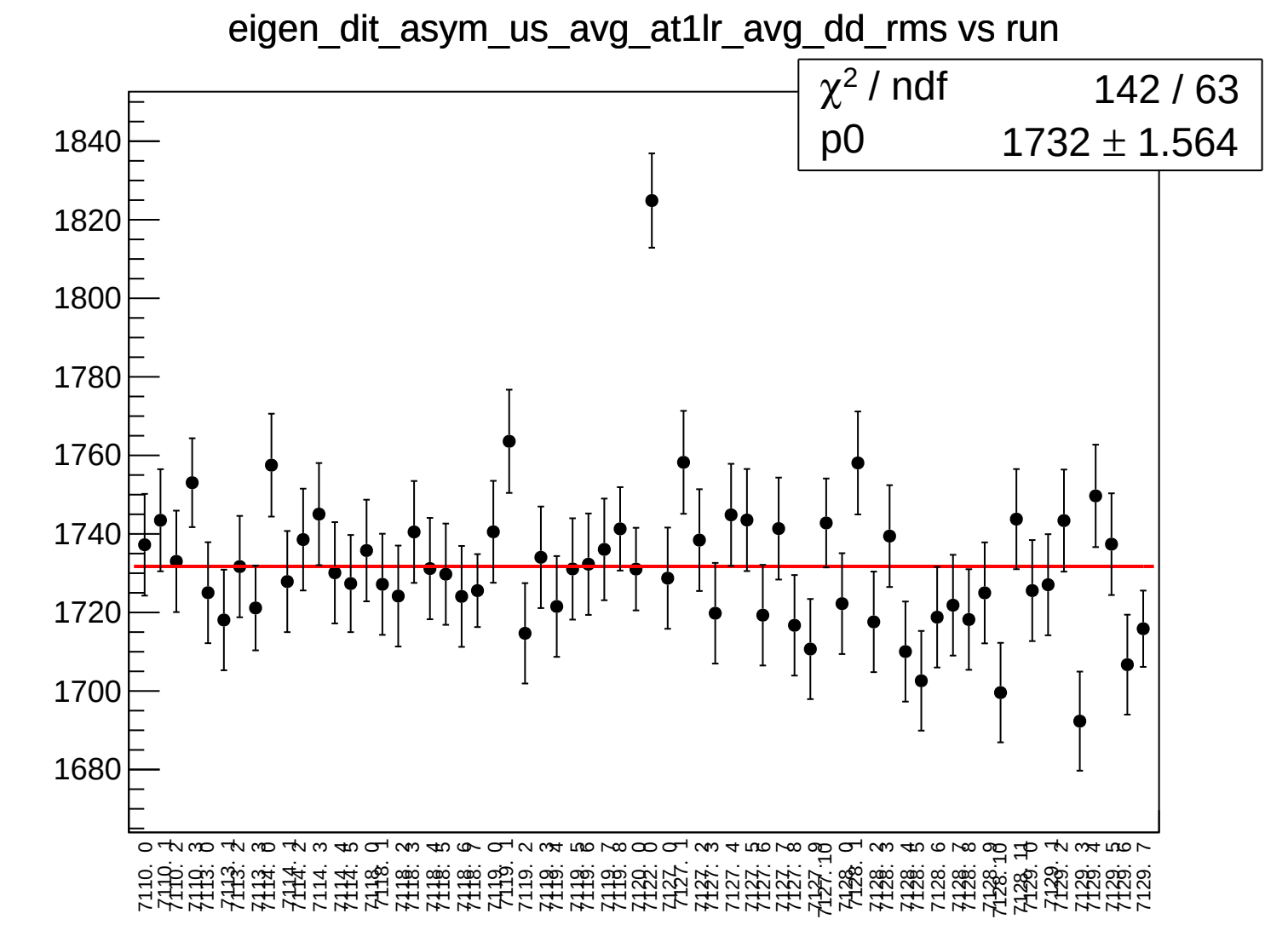

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 55.53 / 63
p0 −189.4 ± 1079
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 68.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

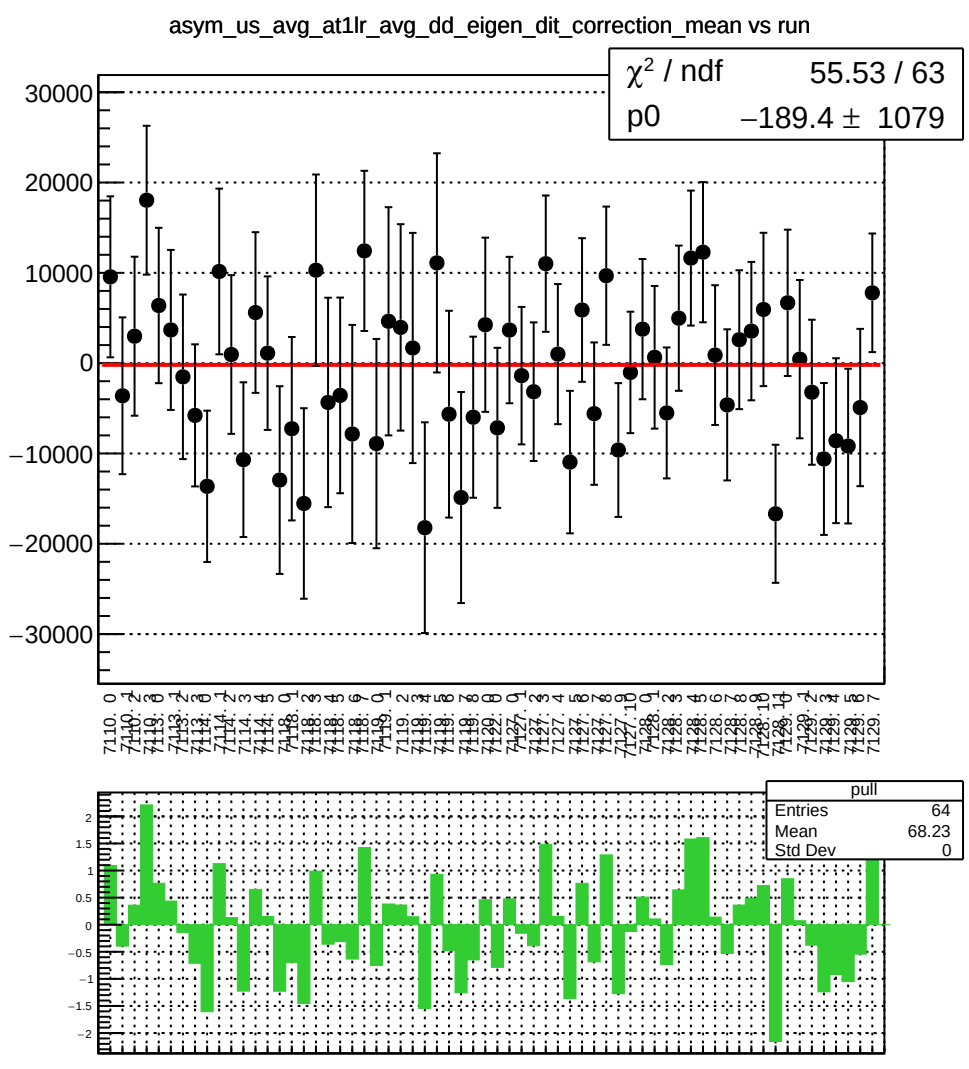

pull1D
Entries 64
Mean −0.02644
Std Dev 0.9311
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

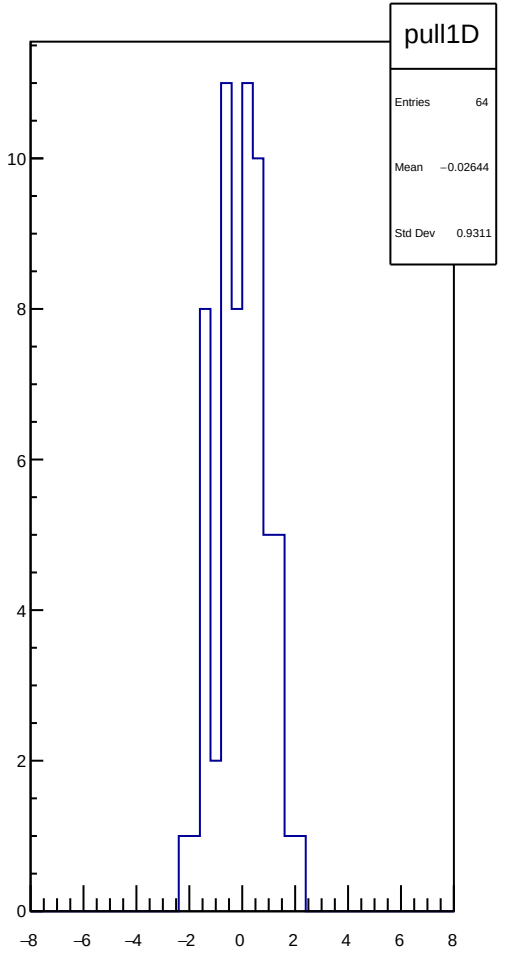

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.919e+04 / 63
p0 834.9 ± 0.7631
1200
1100
1000
900
800
700

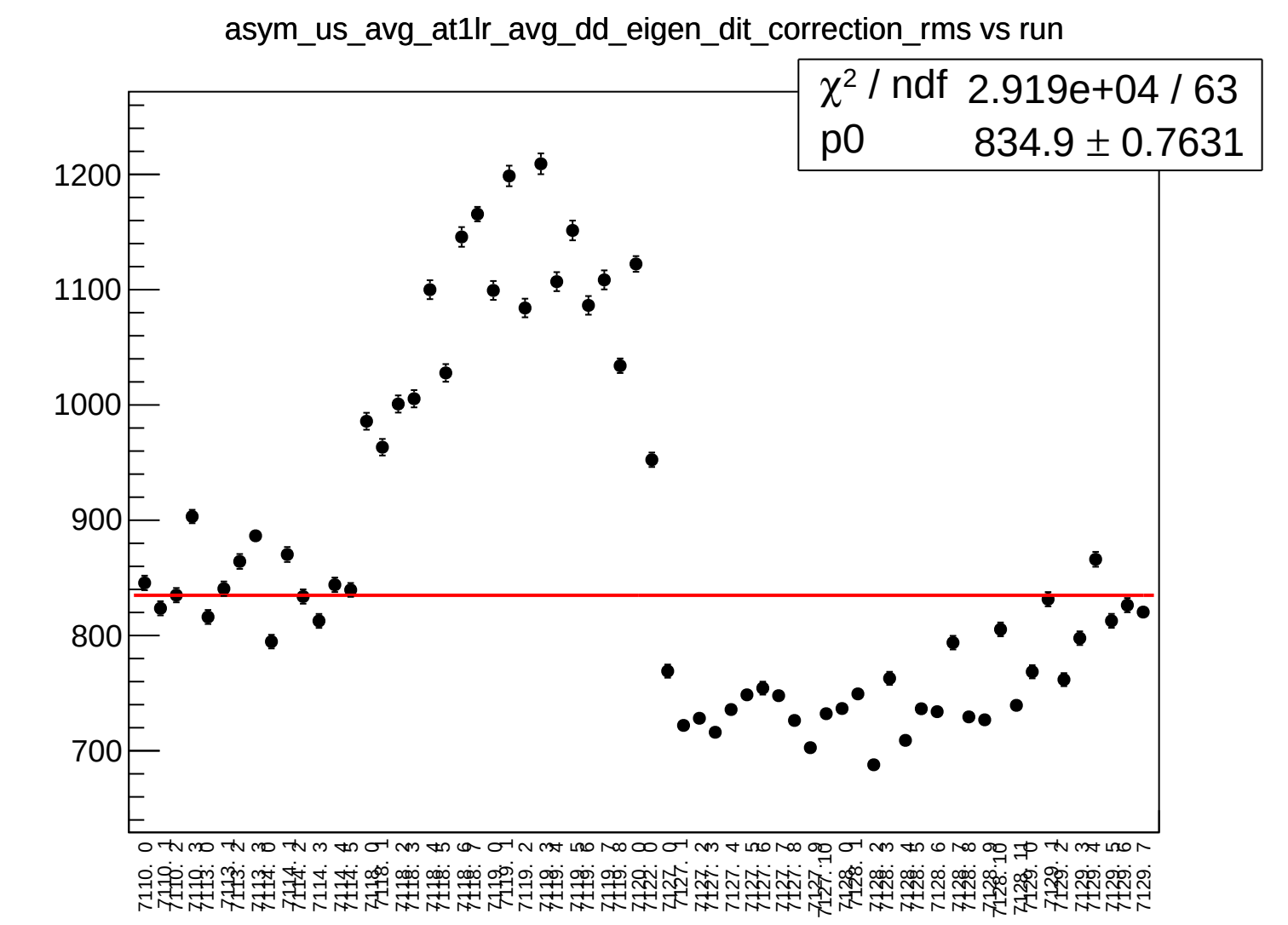

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 76.45 / 63
p0 390.9 ± 2212
pull
Entries 64
Mean −122.4
Std Dev 0

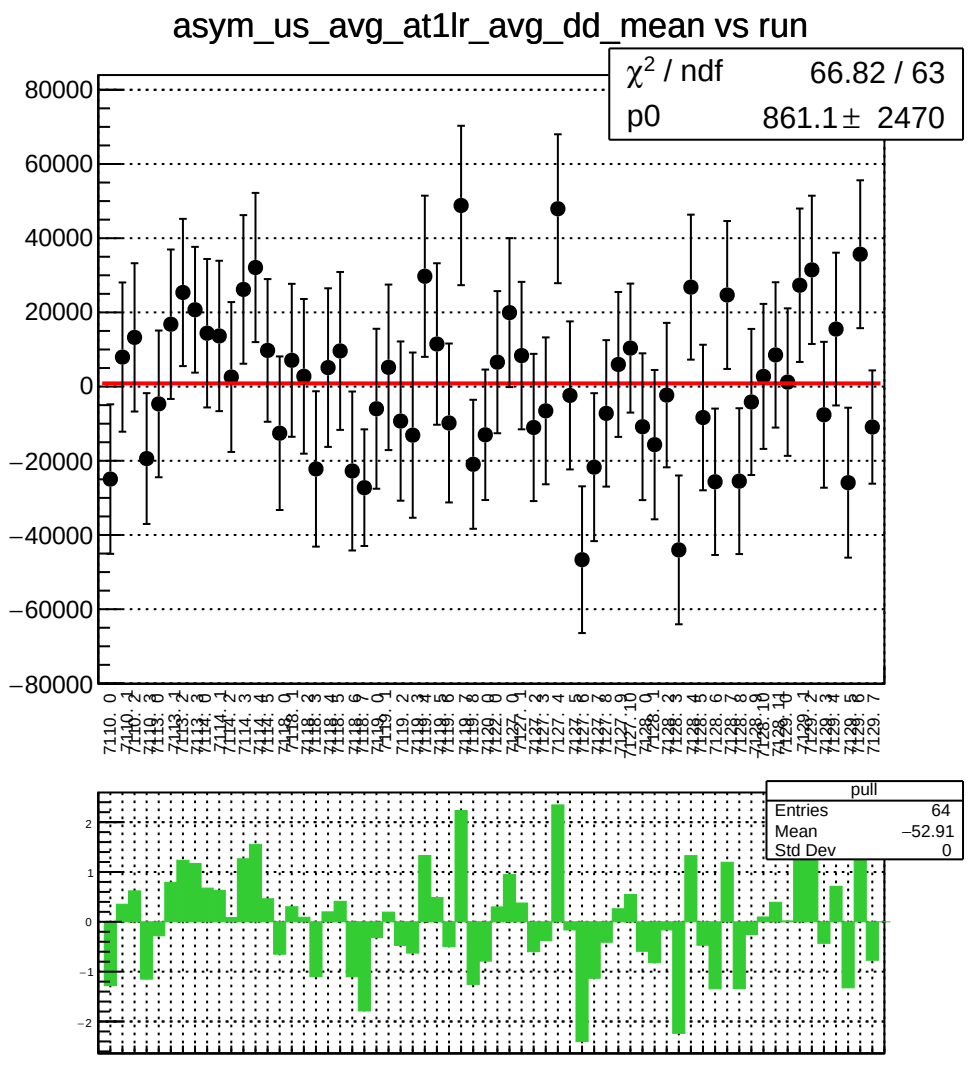

pull1D
Entries 64
Mean 0.01235
Std Dev 1.093

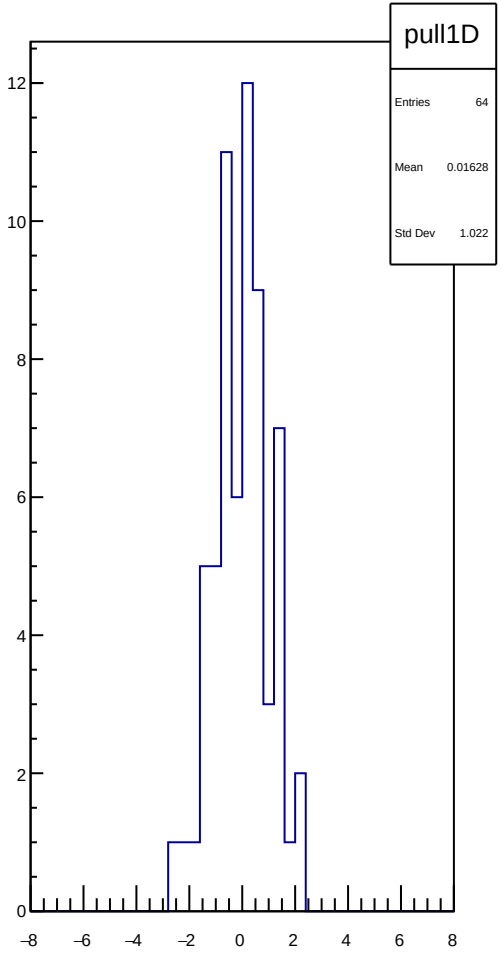

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 142 / 63
p0 1732 ± 1.564
1840
1820
1800
1780
1760
1740
1720
1700
1680

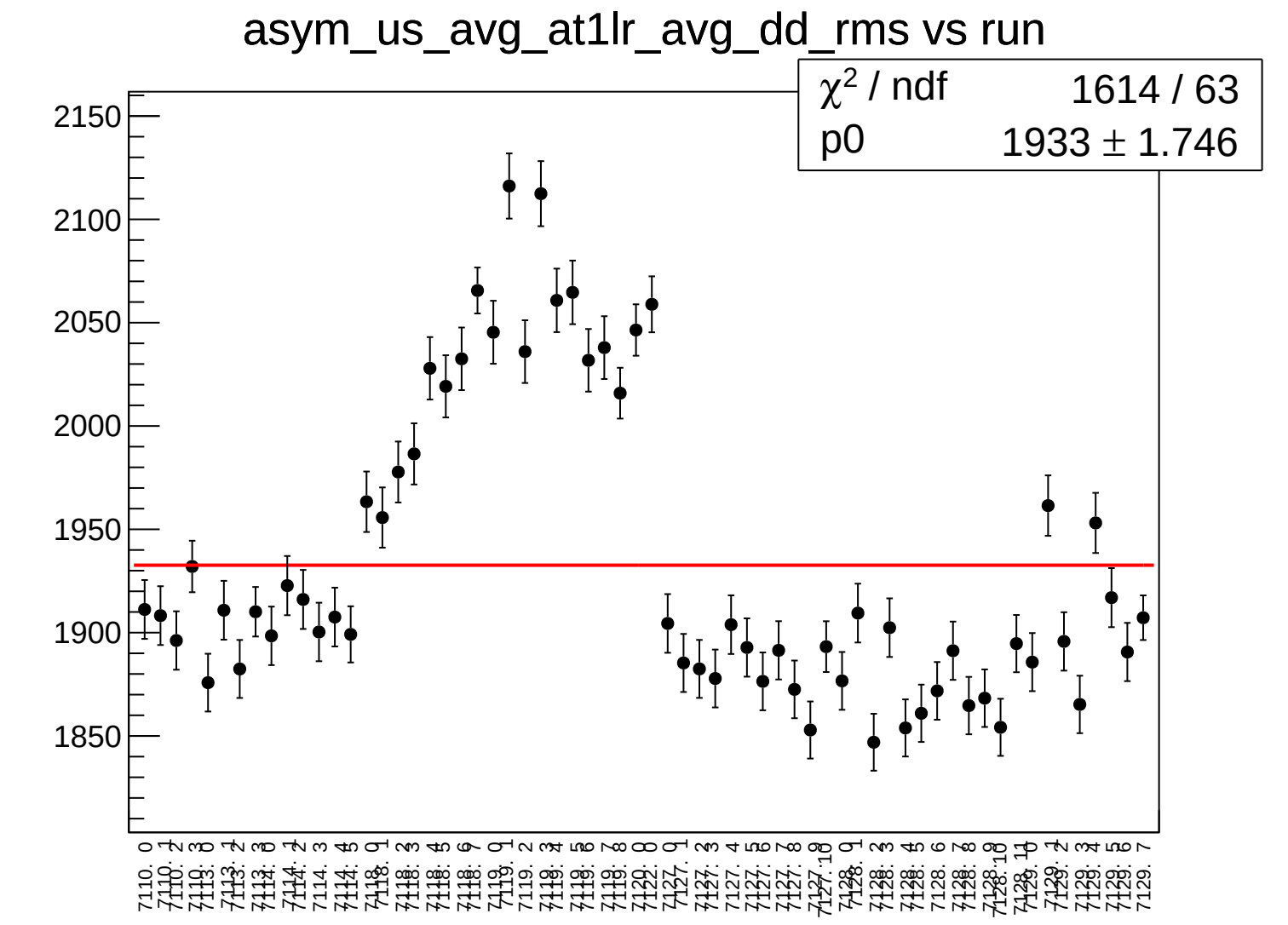

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.53 / 63
p0 −189.4 ± 1079
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean 68.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

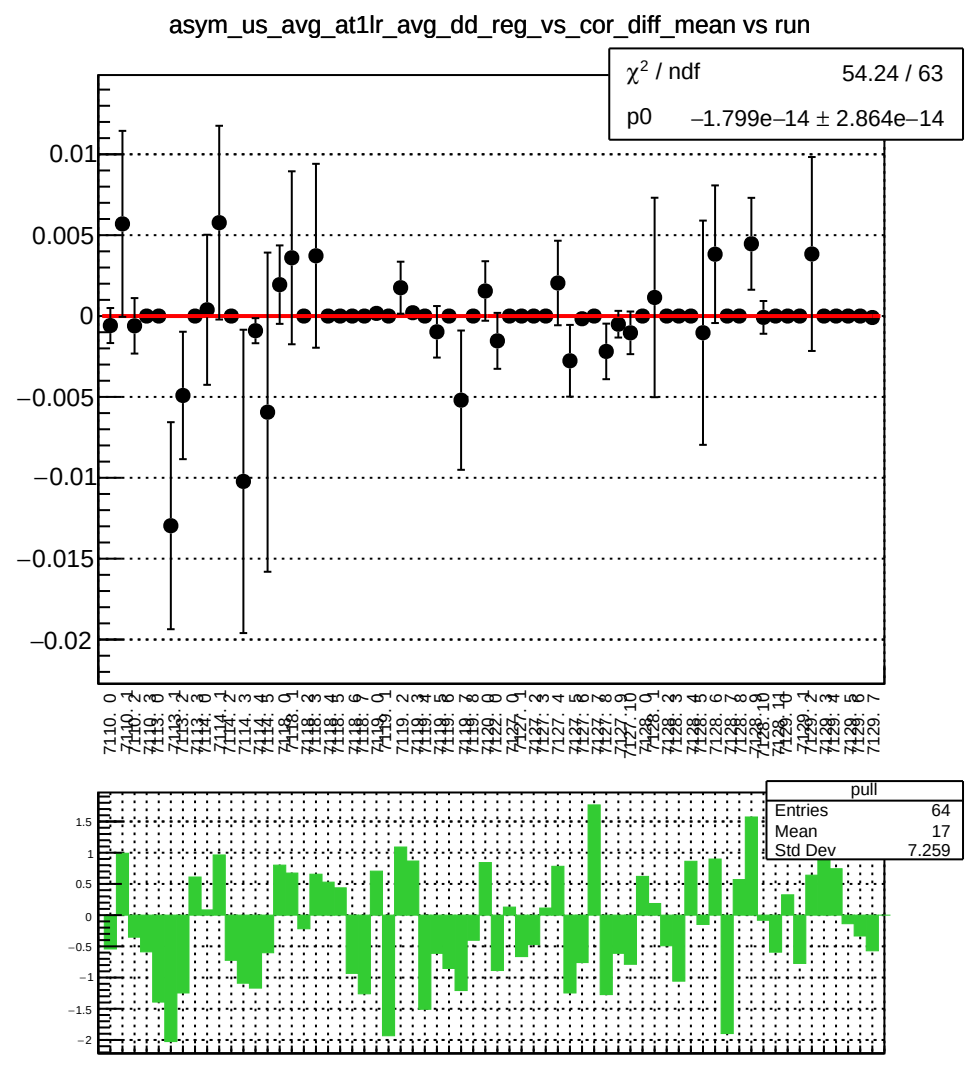

pull1D
Entries 64
Mean −0.02644
Std Dev 0.9311
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

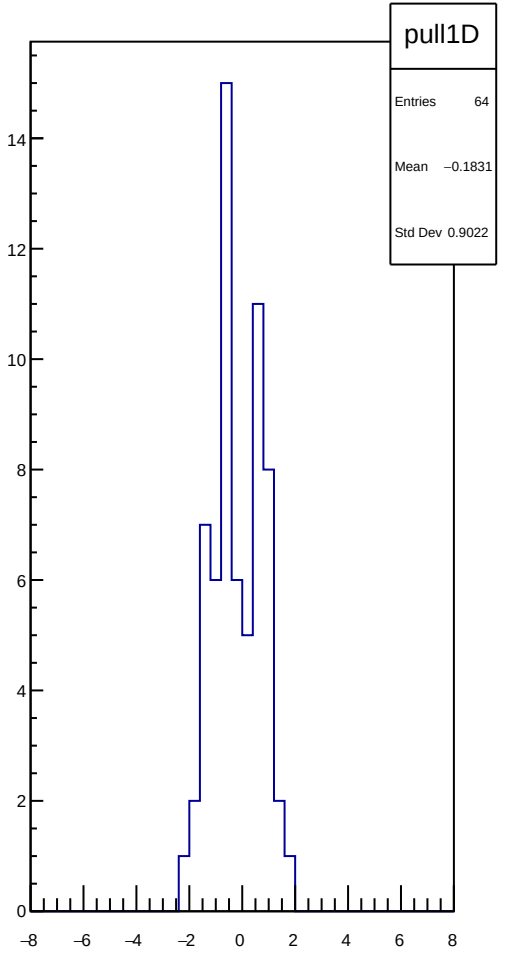

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.919e+04 / 63
p0 834.9 ± 0.7631
1200
1100
1000
900
800
700

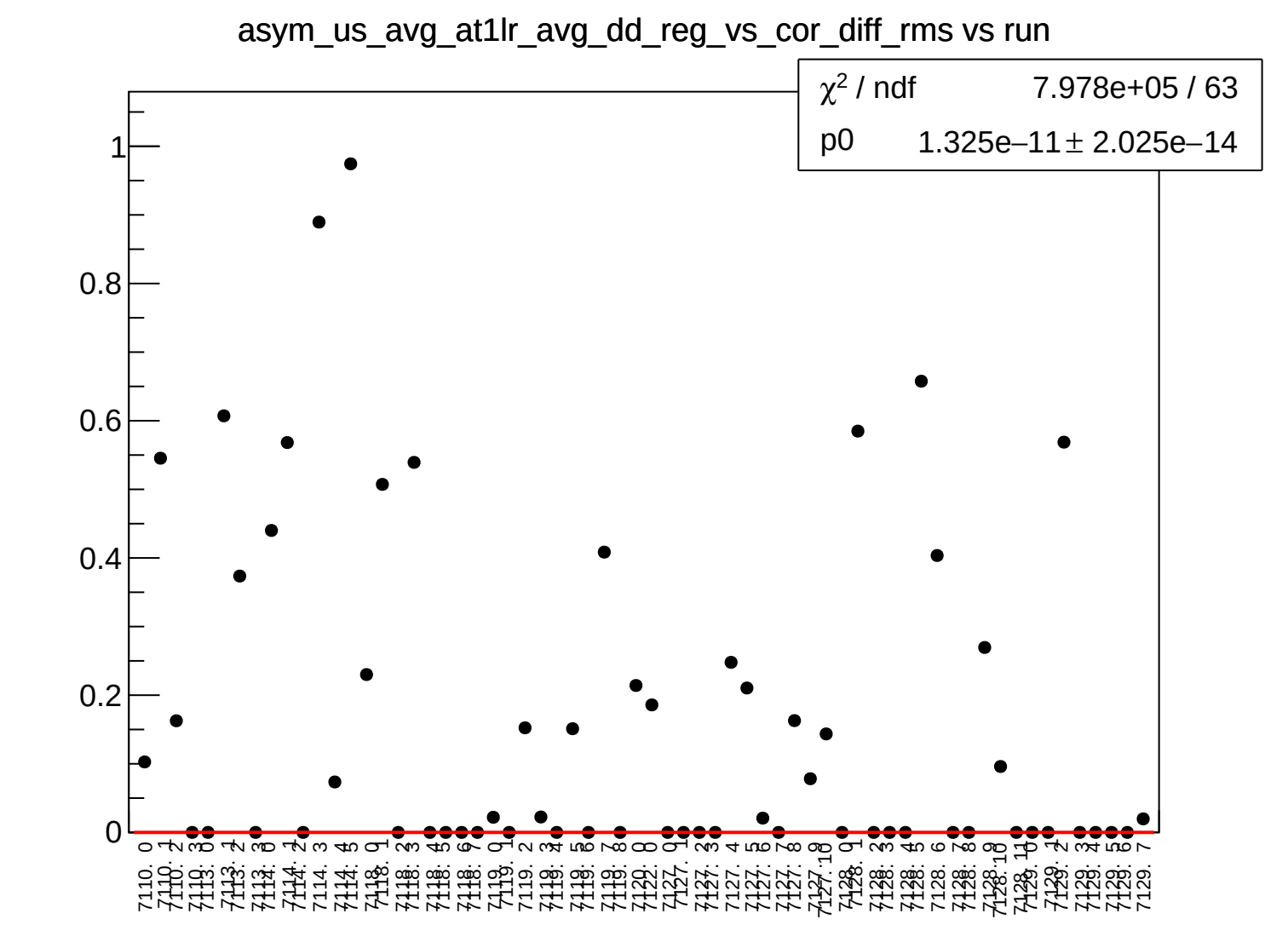

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 66.82 / 63
p0 861.1 ± 2470
pull
Entries 64
Mean −52.91
Std Dev 0

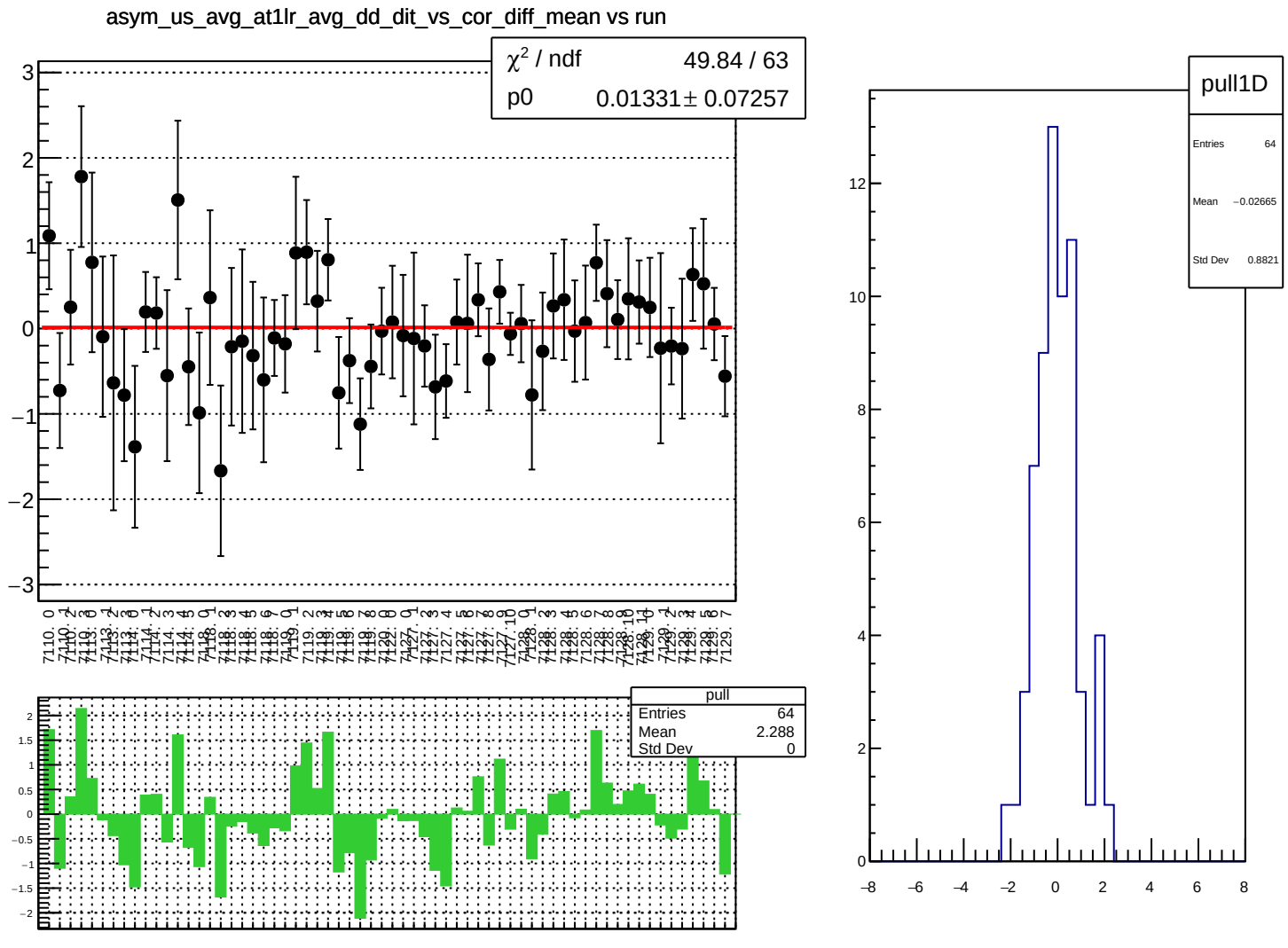

pull1D
Entries 64
Mean 0.01628
Std Dev 1.022

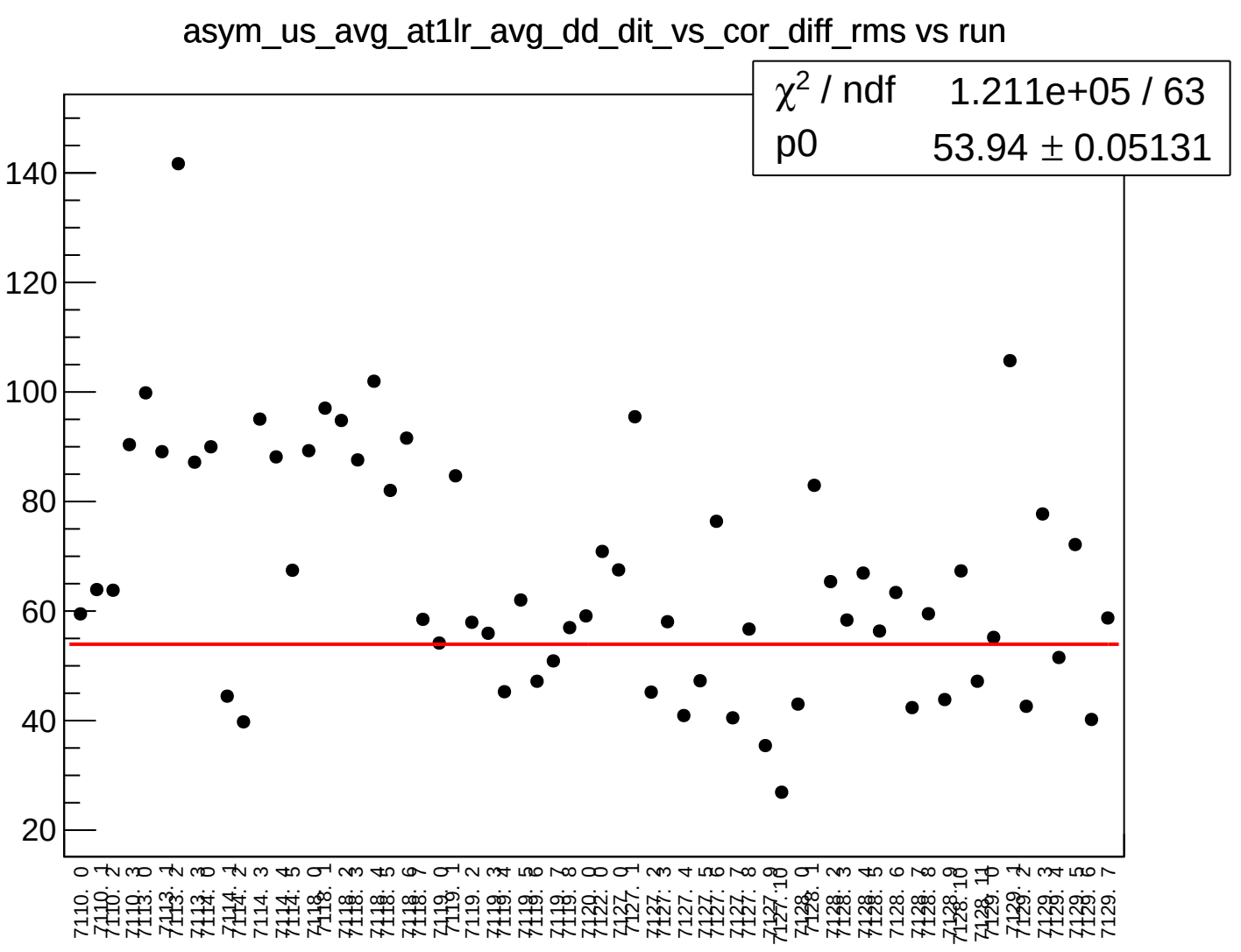

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 1614 / 63
p0 1933 ± 1.746
2150
2100
2050
2000
1950
1900
1850


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.24 / 63
p0 −1.799e−14 ± 2.864e−14
pull
Entries 64
Mean 17
Std Dev 7.259

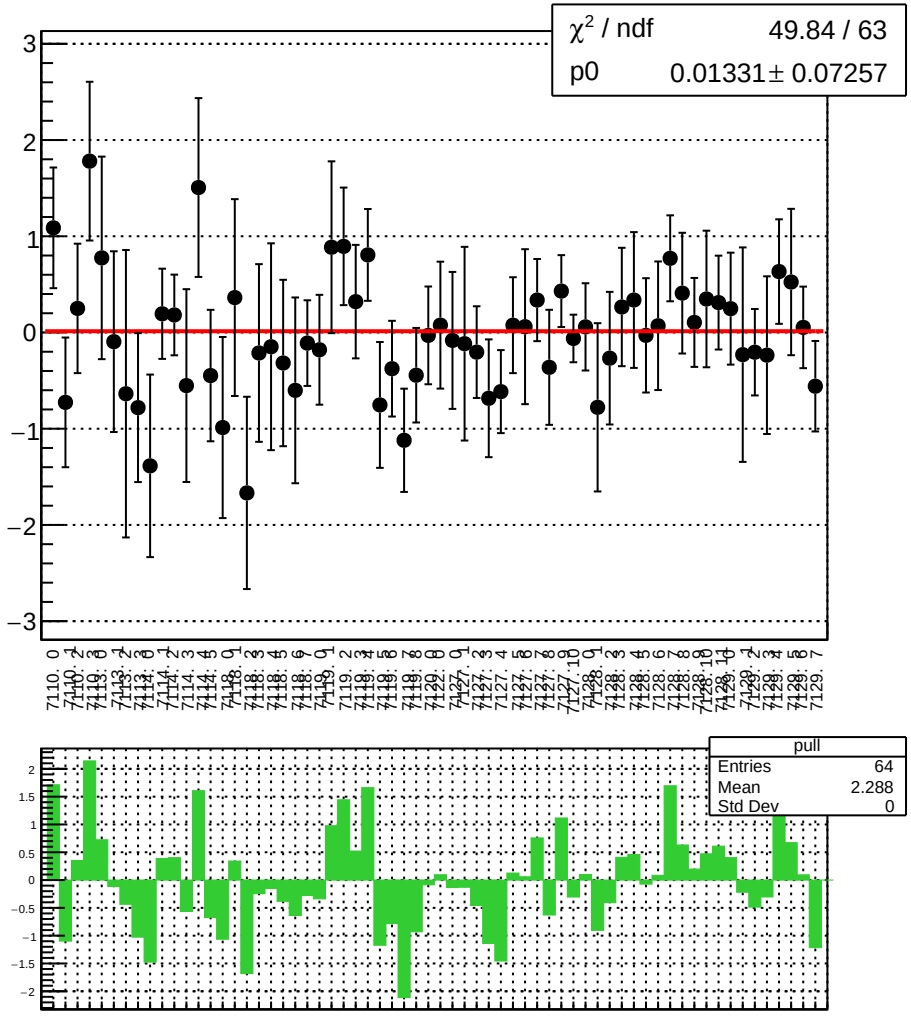

pull1D
Entries 64
Mean −0.1831
Std Dev 0.9022

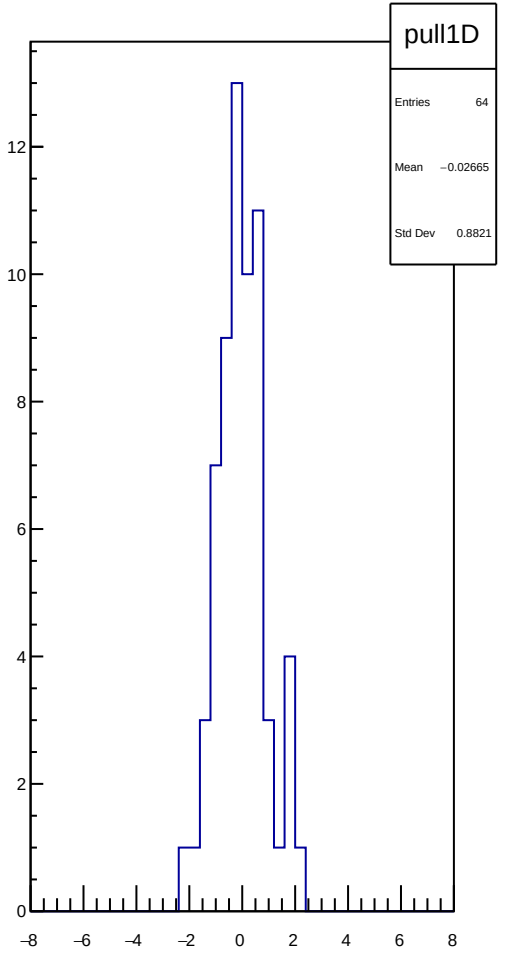

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.978e+05 / 63
p0 1.325e−11 ± 2.025e−14
1
0.8
0.6
0.4
0.2
0

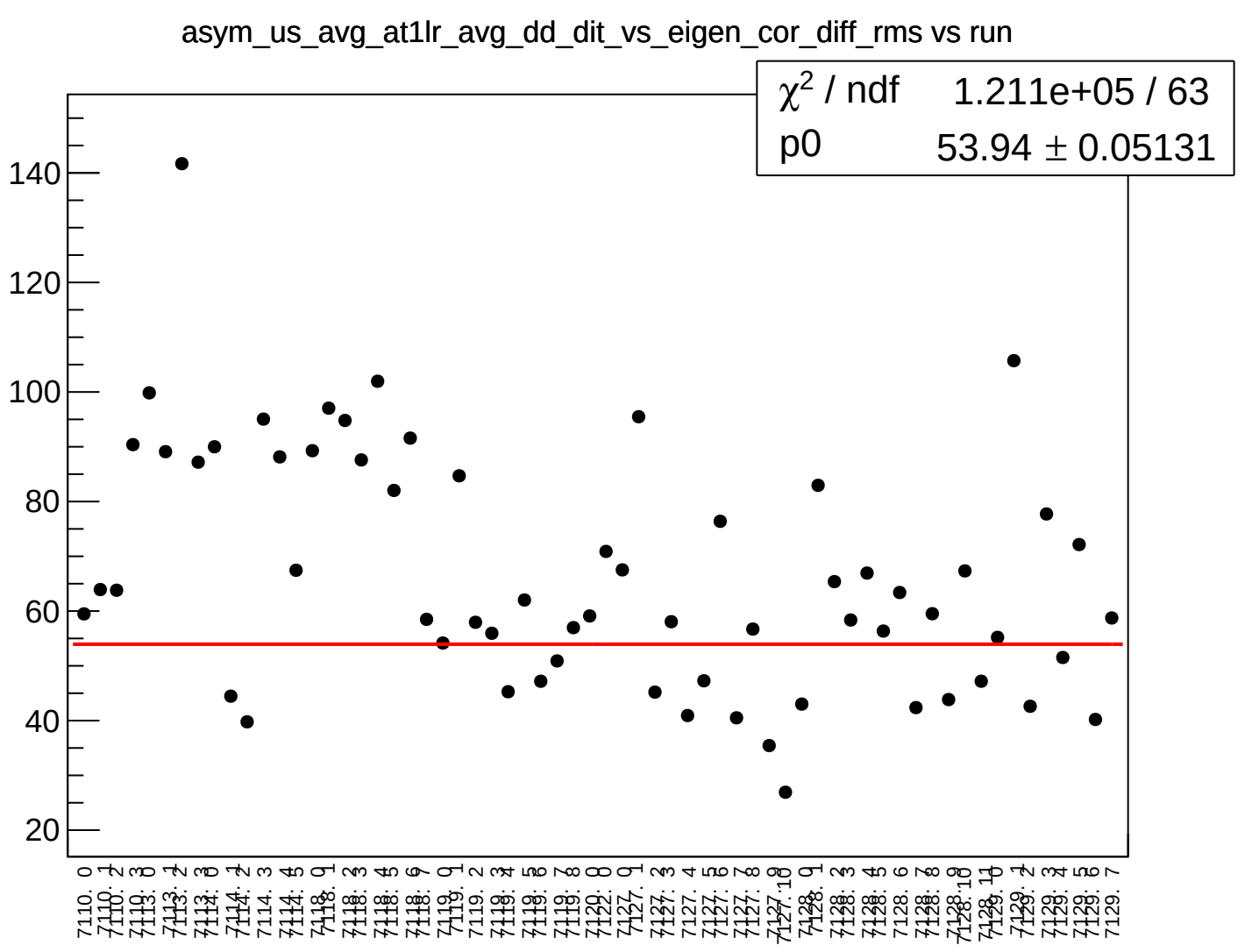

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.84 / 63
p0 0.01331 ± 0.07257
pull
Entries 64
Mean 2.288
Std Dev 0
pull1D
Entries 64
Mean −0.02665
Std Dev 0.8821

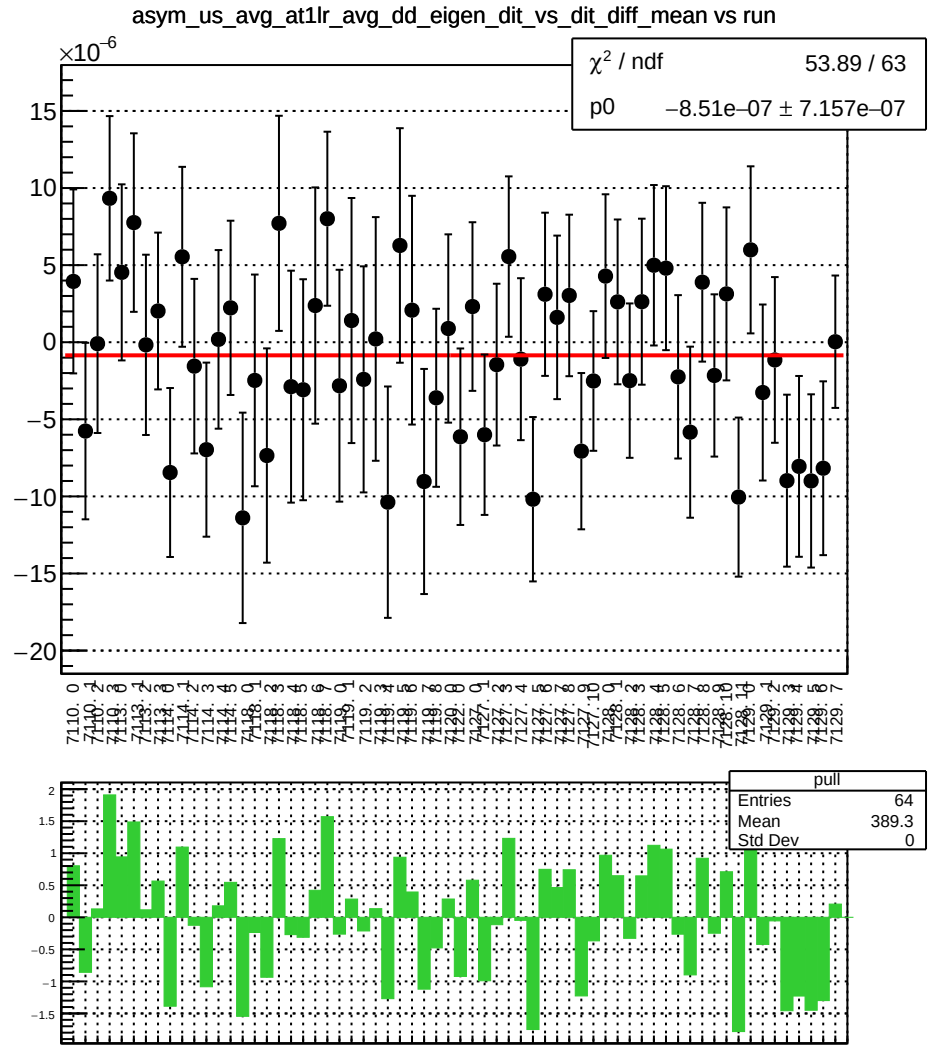

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.211e+05 / 63
p0 53.94 ± 0.05131
140
120
100
80
60
40
20

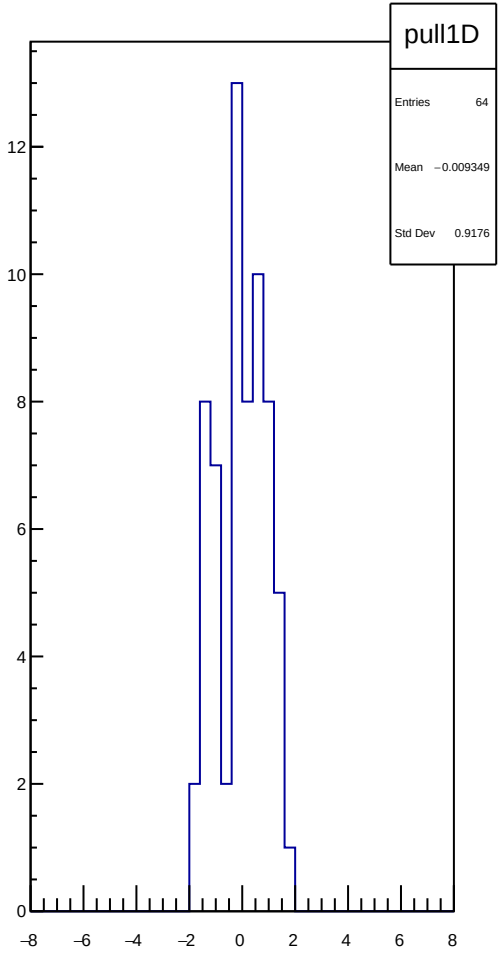
asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run

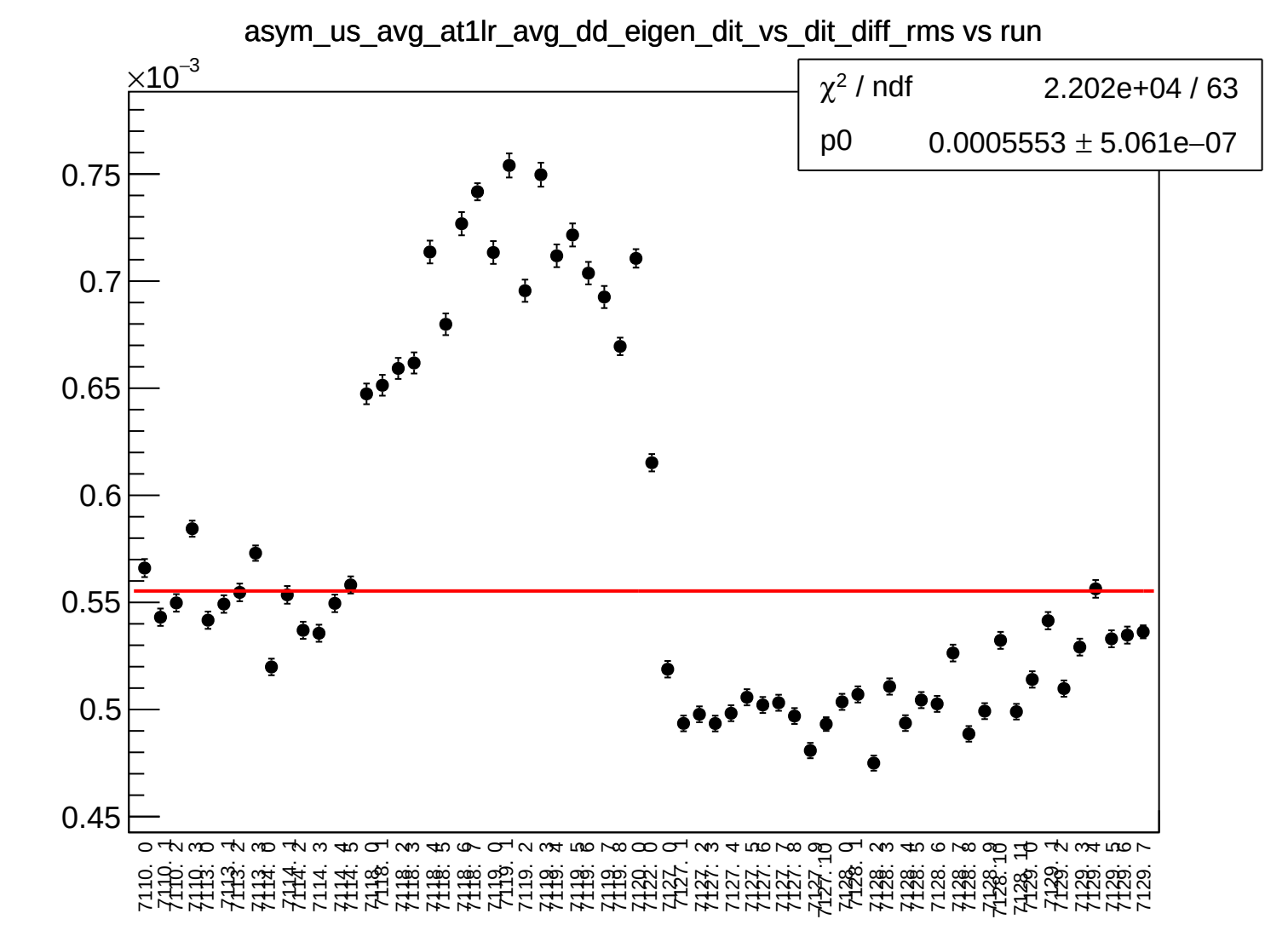




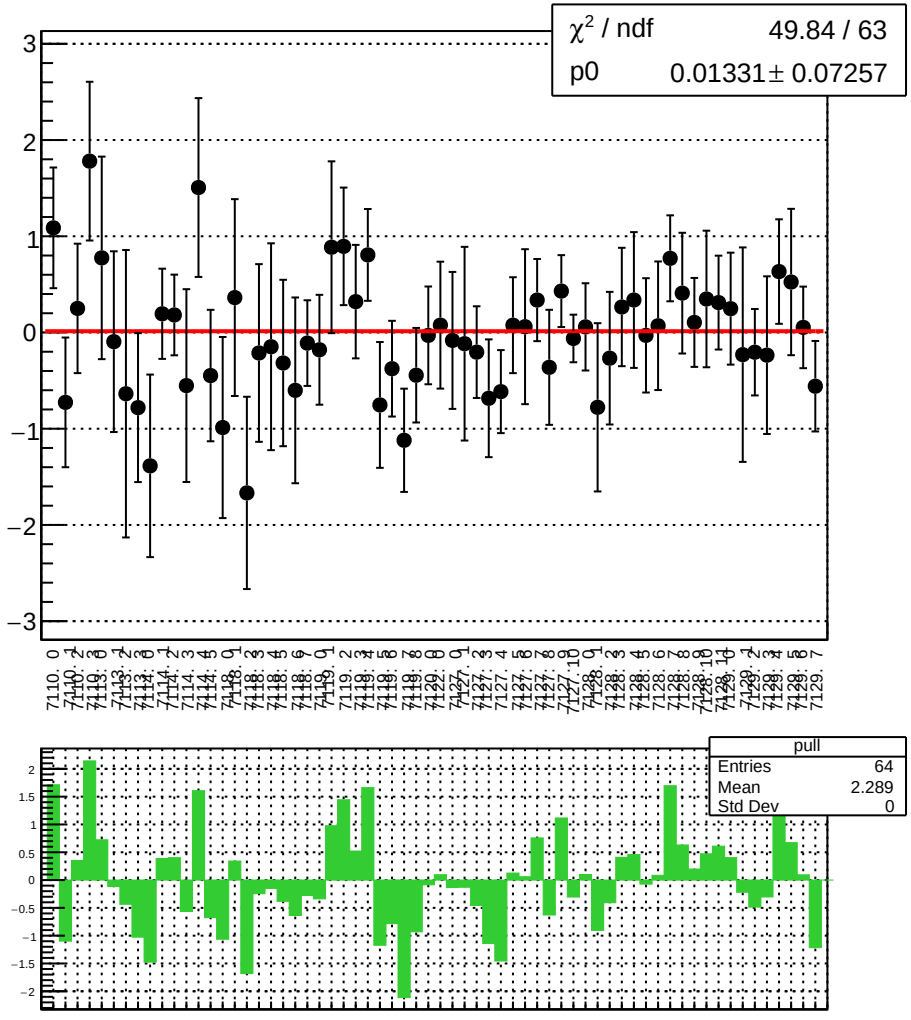

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.211e+05 / 63
p0 53.94 ± 0.05131
140
120
100
80
60
40
20

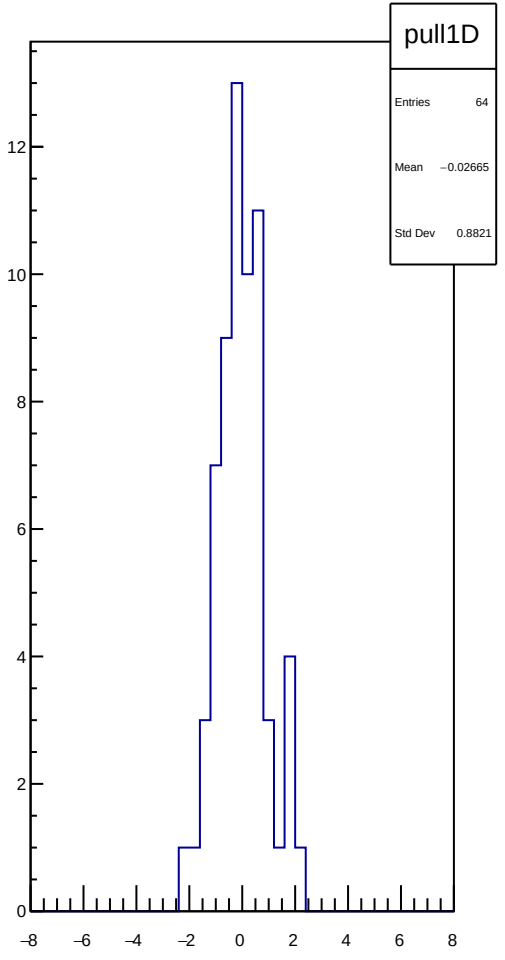

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 53.89 / 63
p0 −8.51e−07 ± 7.157e−07
pull
Entries 64
Mean 389.3
Std Dev 0

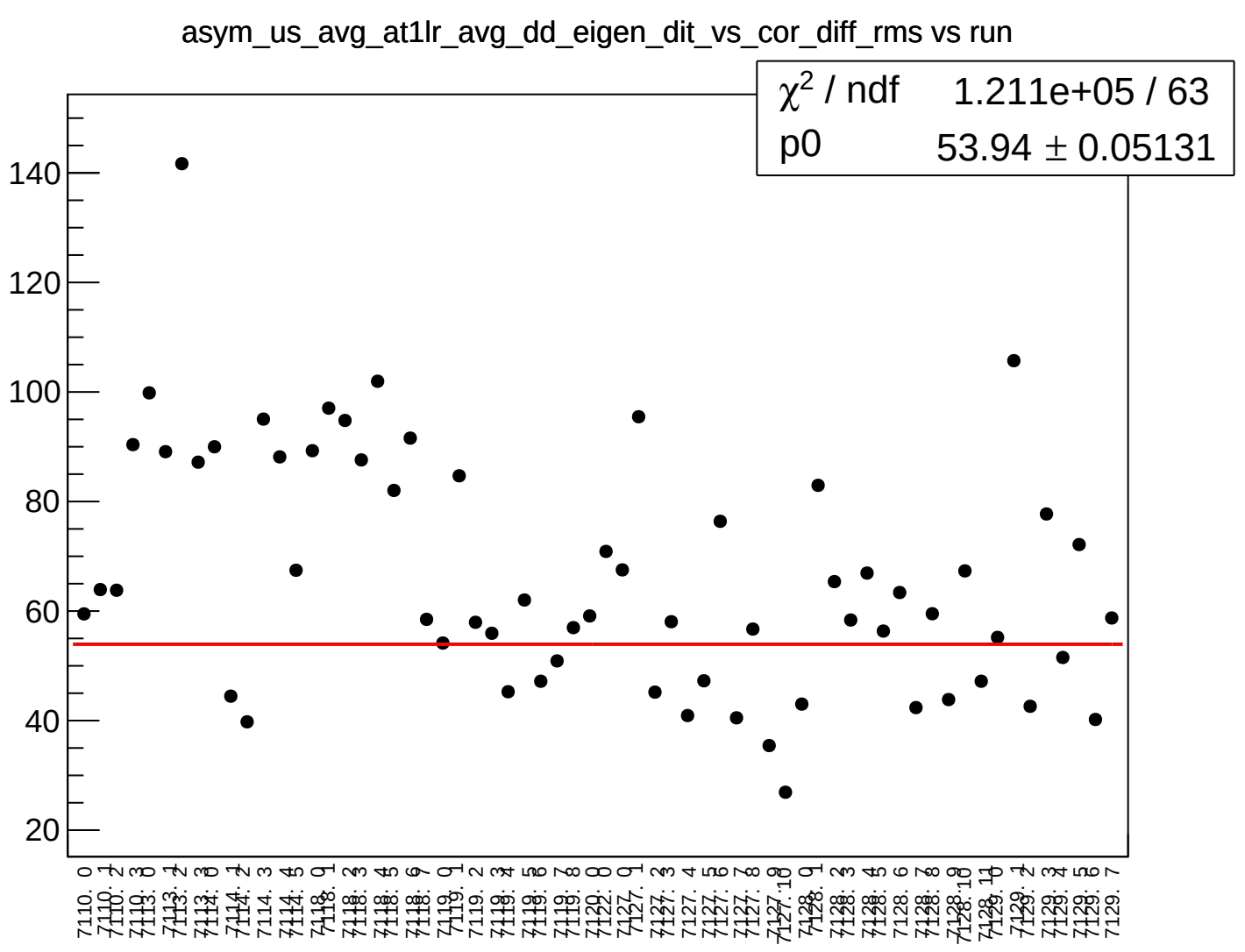

pull1D
Entries 64
Mean −0.009349
Std Dev 0.9176


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2.202e+04 / 63
p0 0.0005553 ± 5.061e−07
0.75
0.7
0.65
0.6
0.55
0.5
0.45

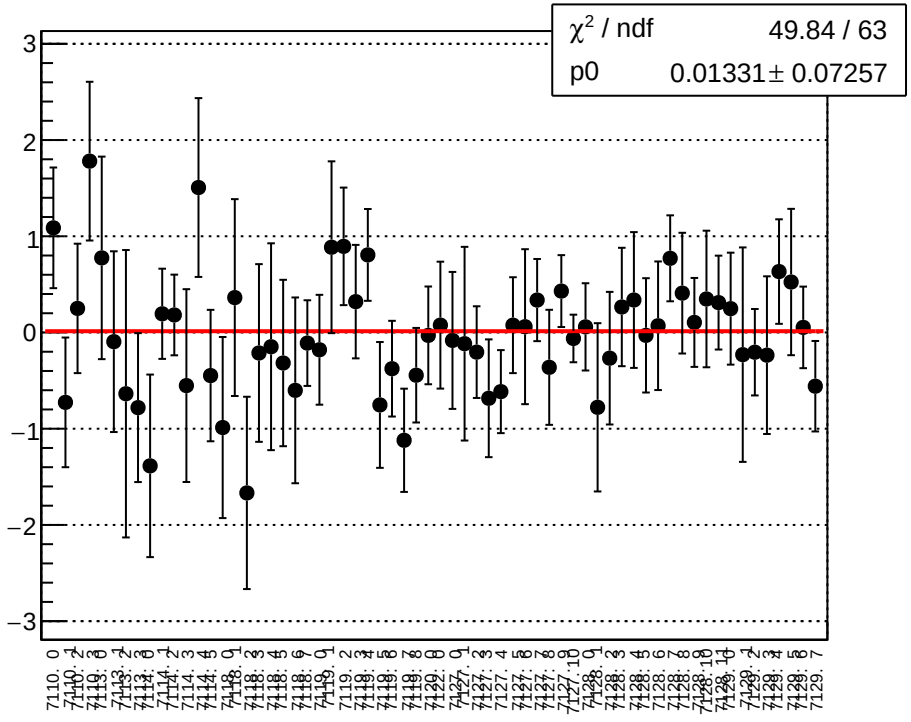
asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run

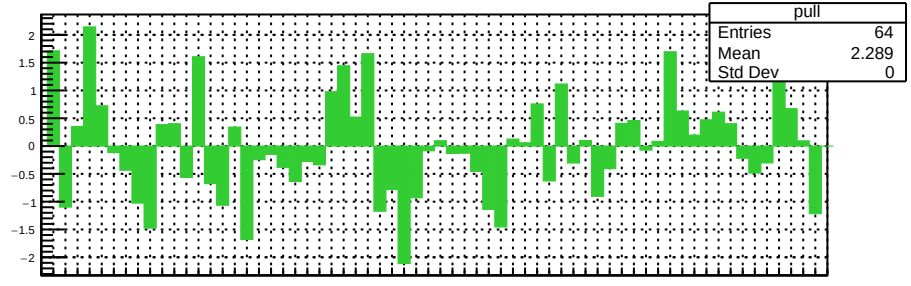


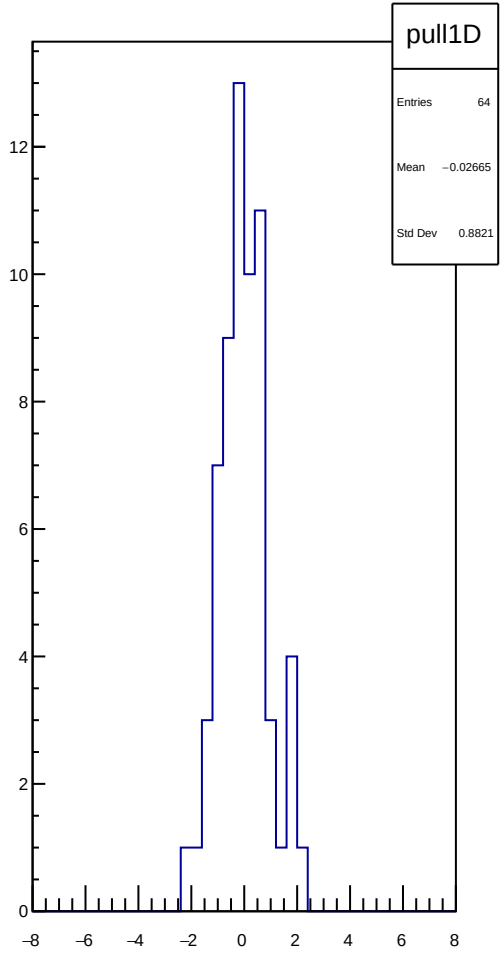


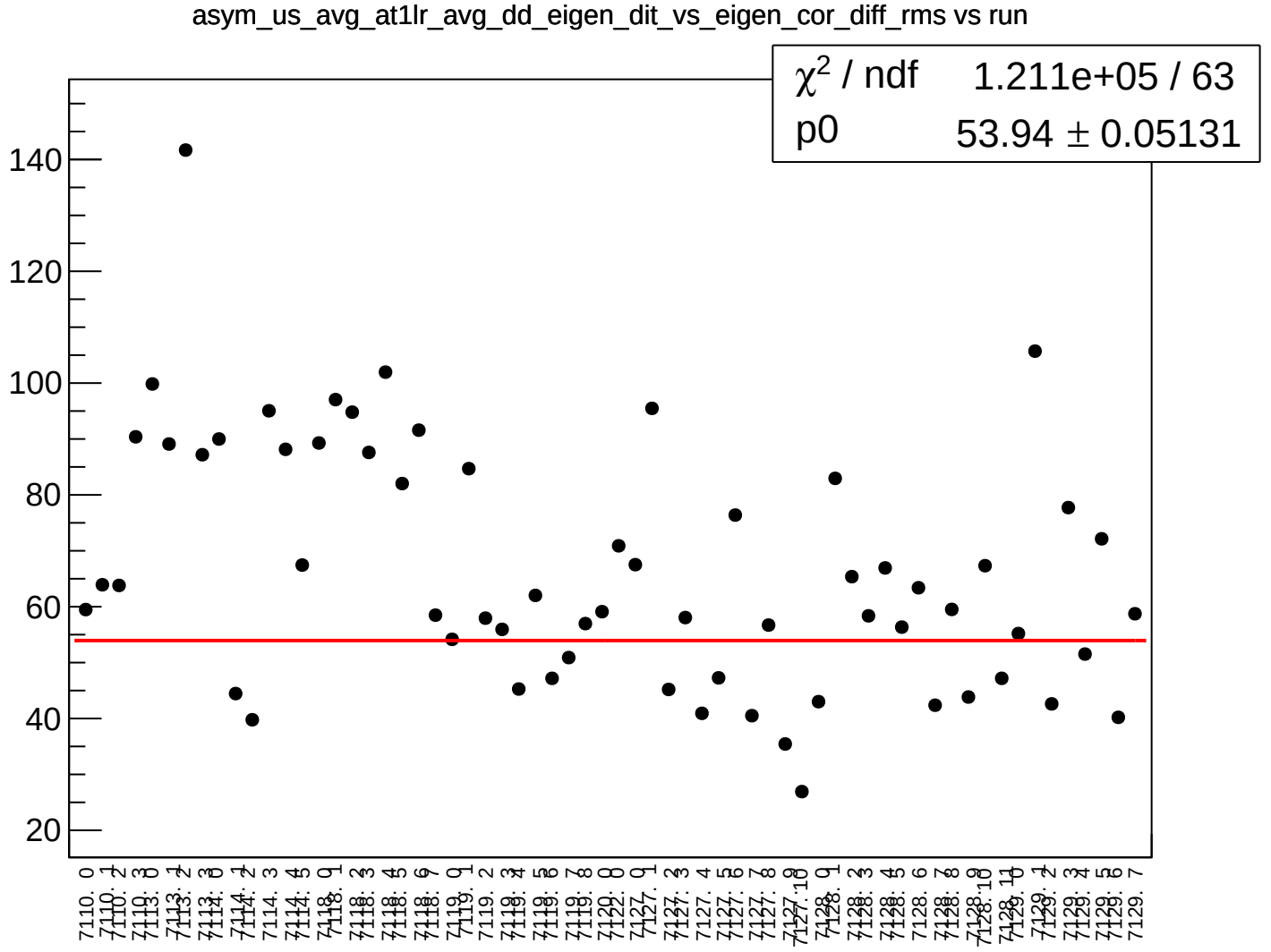

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.211e+05 / 63
p0 53.94 ± 0.05131
140
120
100
80
60
40
20

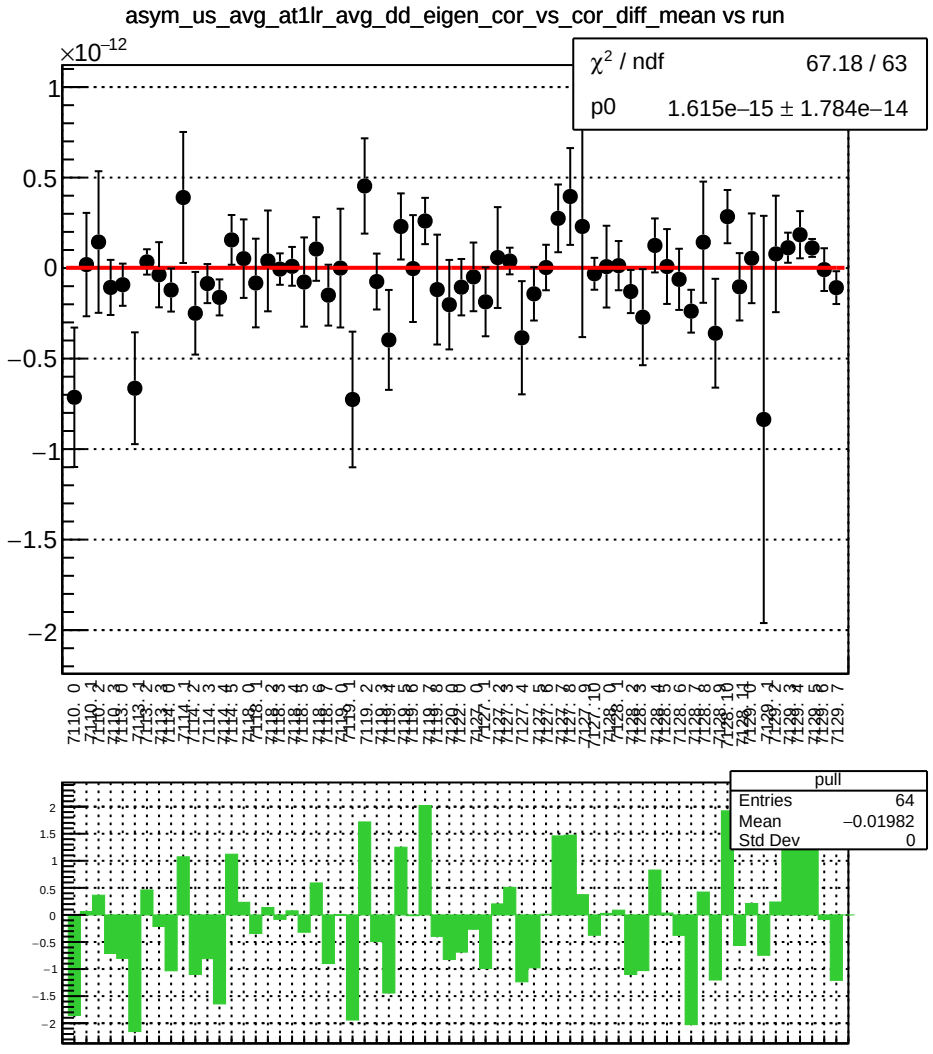
asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

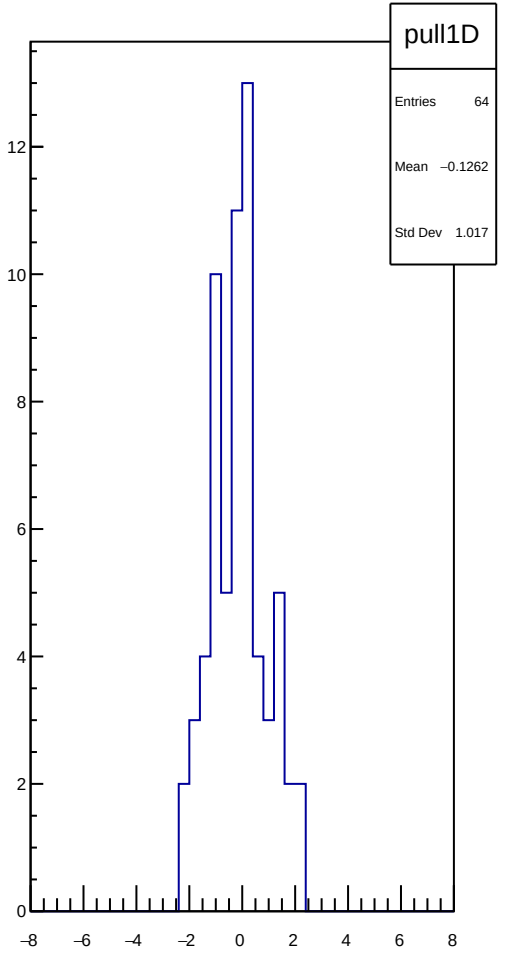


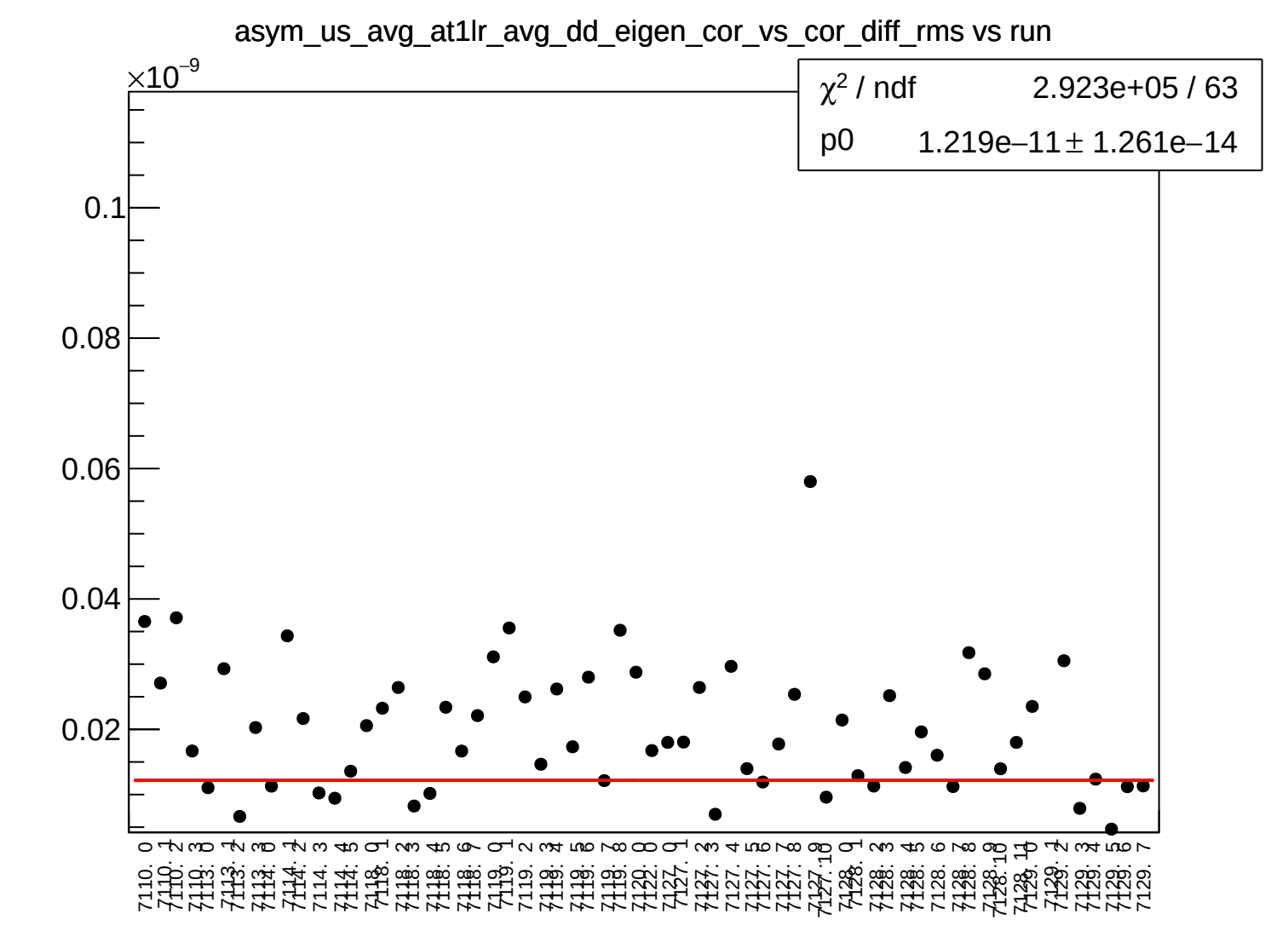


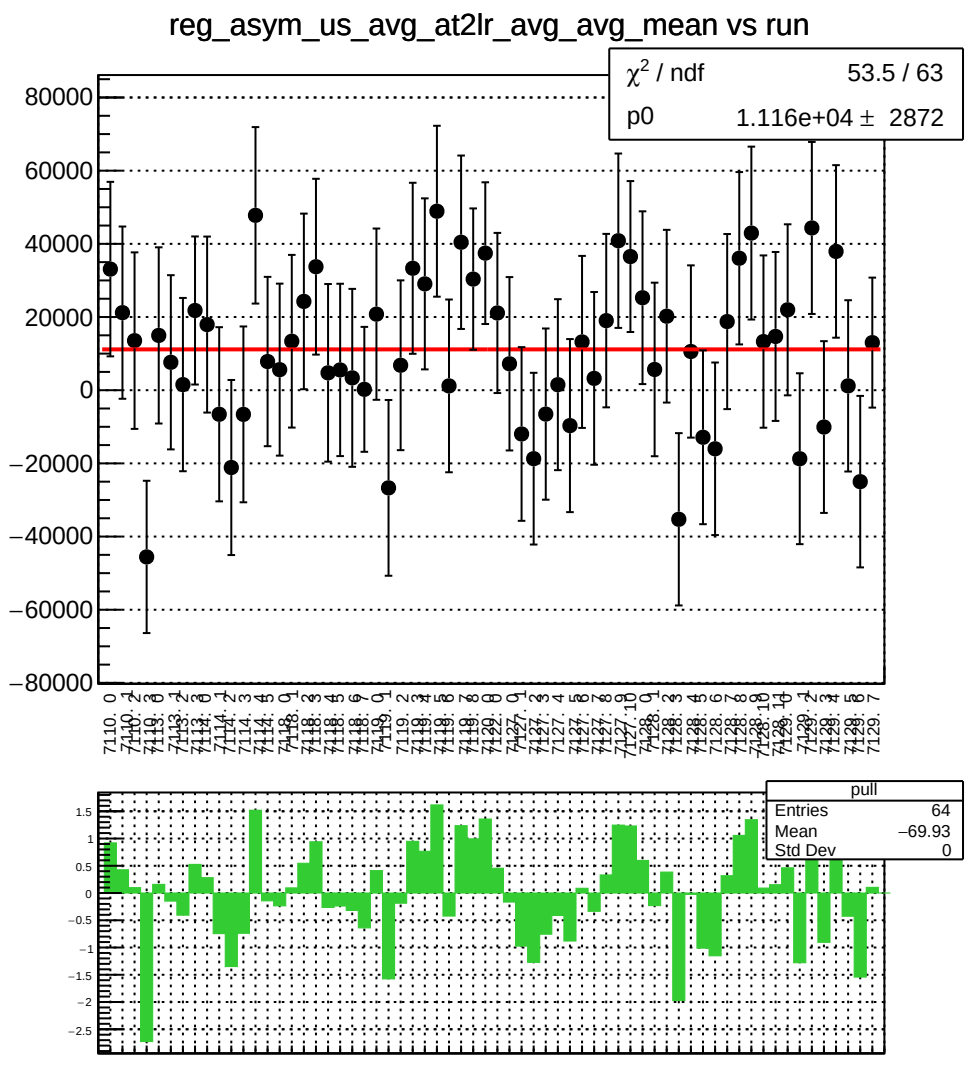


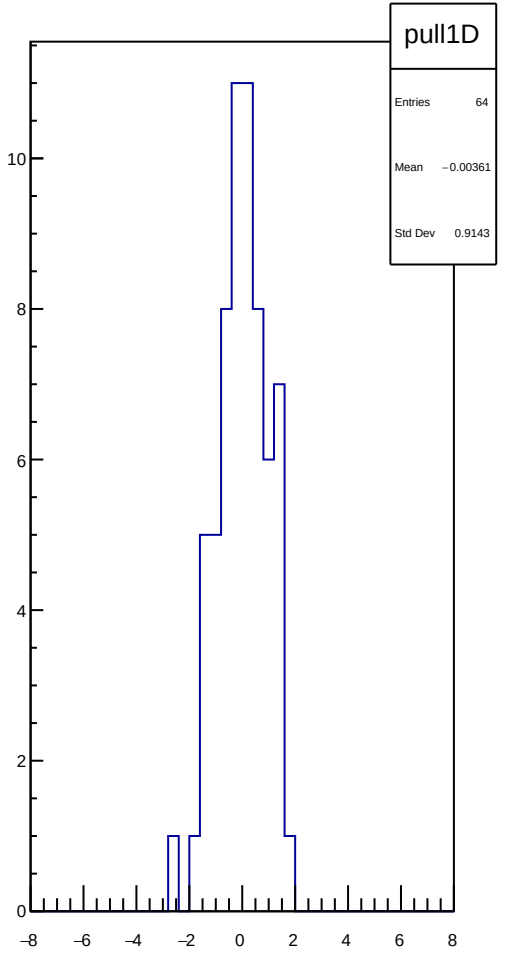

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.211e+05 / 63
p0 53.94 ± 0.05131
140
120
100
80
60
40
20

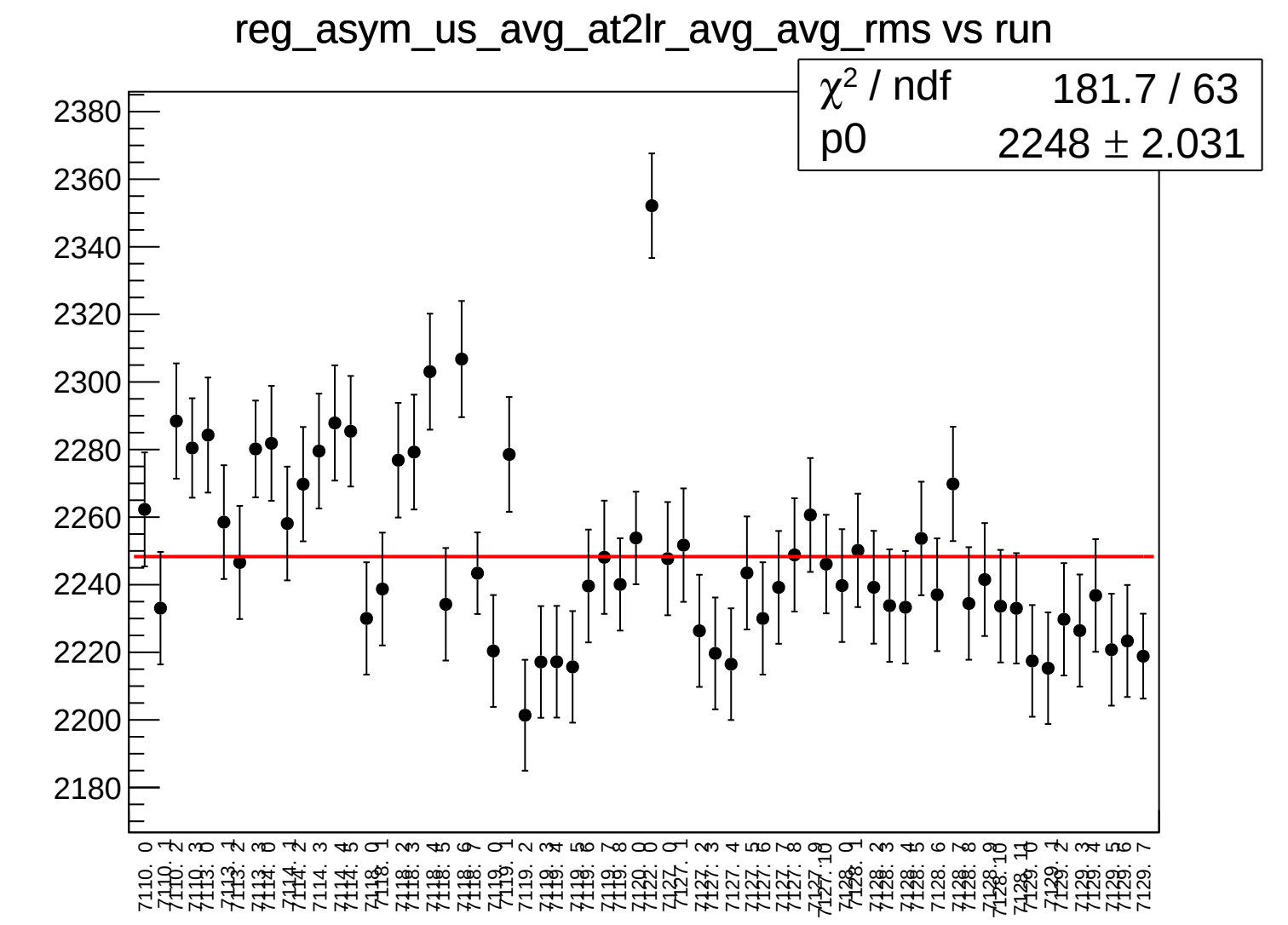

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.18 / 63
p0 1.615e−15 ± 1.784e−14
pull
Entries 64
Mean −0.01982
Std Dev 0

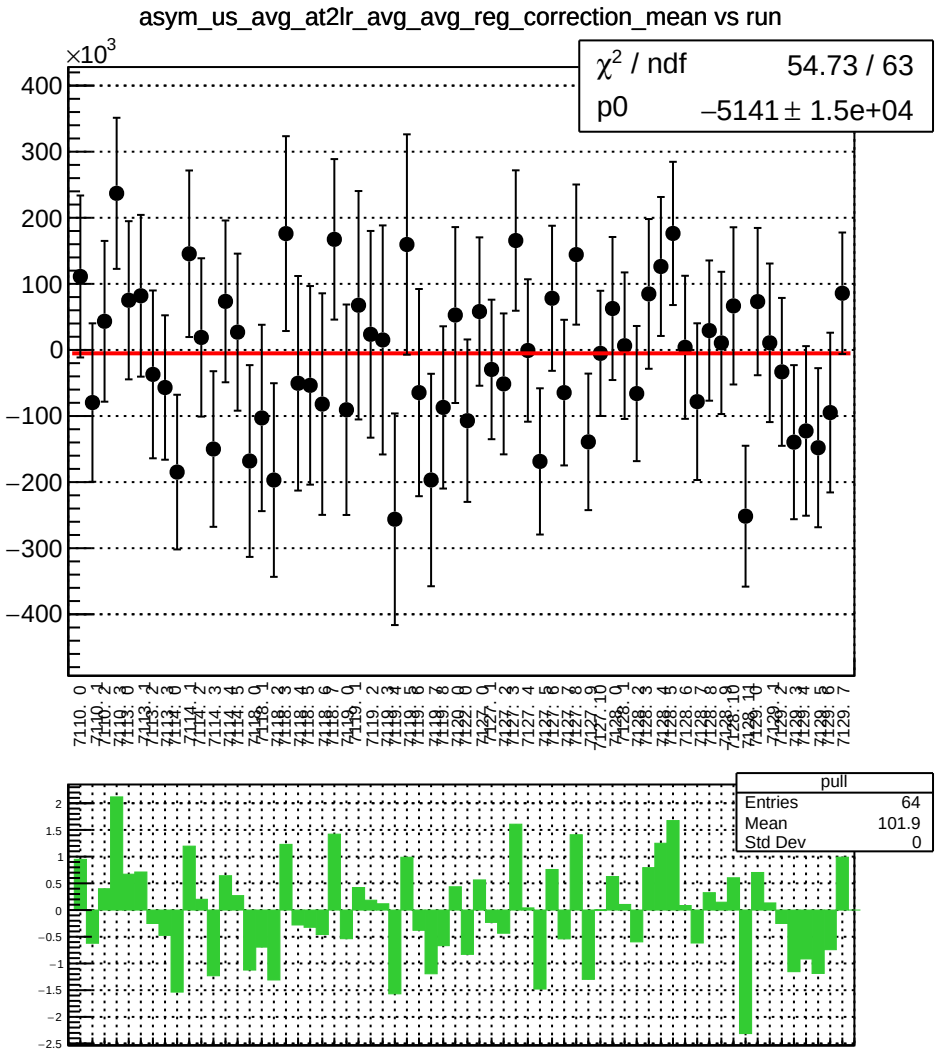

pull1D
Entries 64
Mean −0.1262
Std Dev 1.017

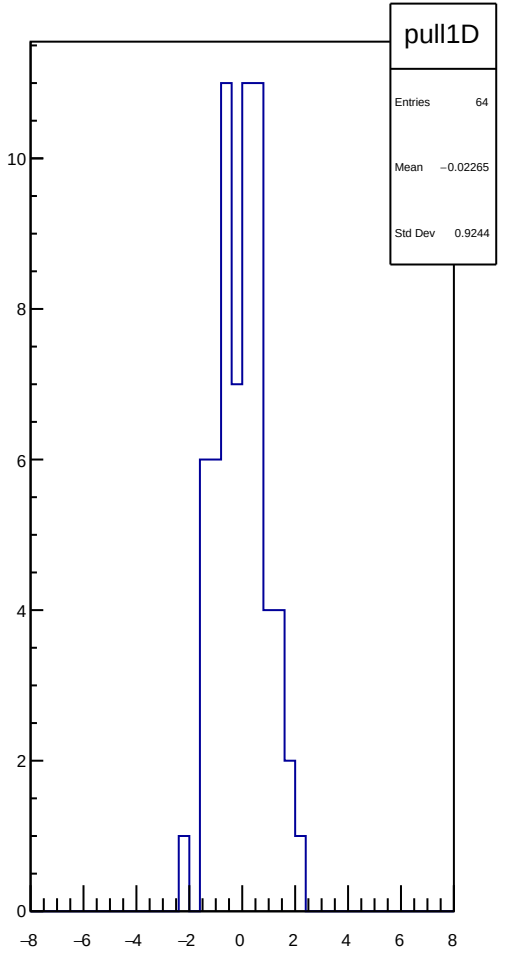

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.923e+05 / 63
p0 1.219e−11 ± 1.261e−14
0.1
0.08
0.06
0.04
0.02

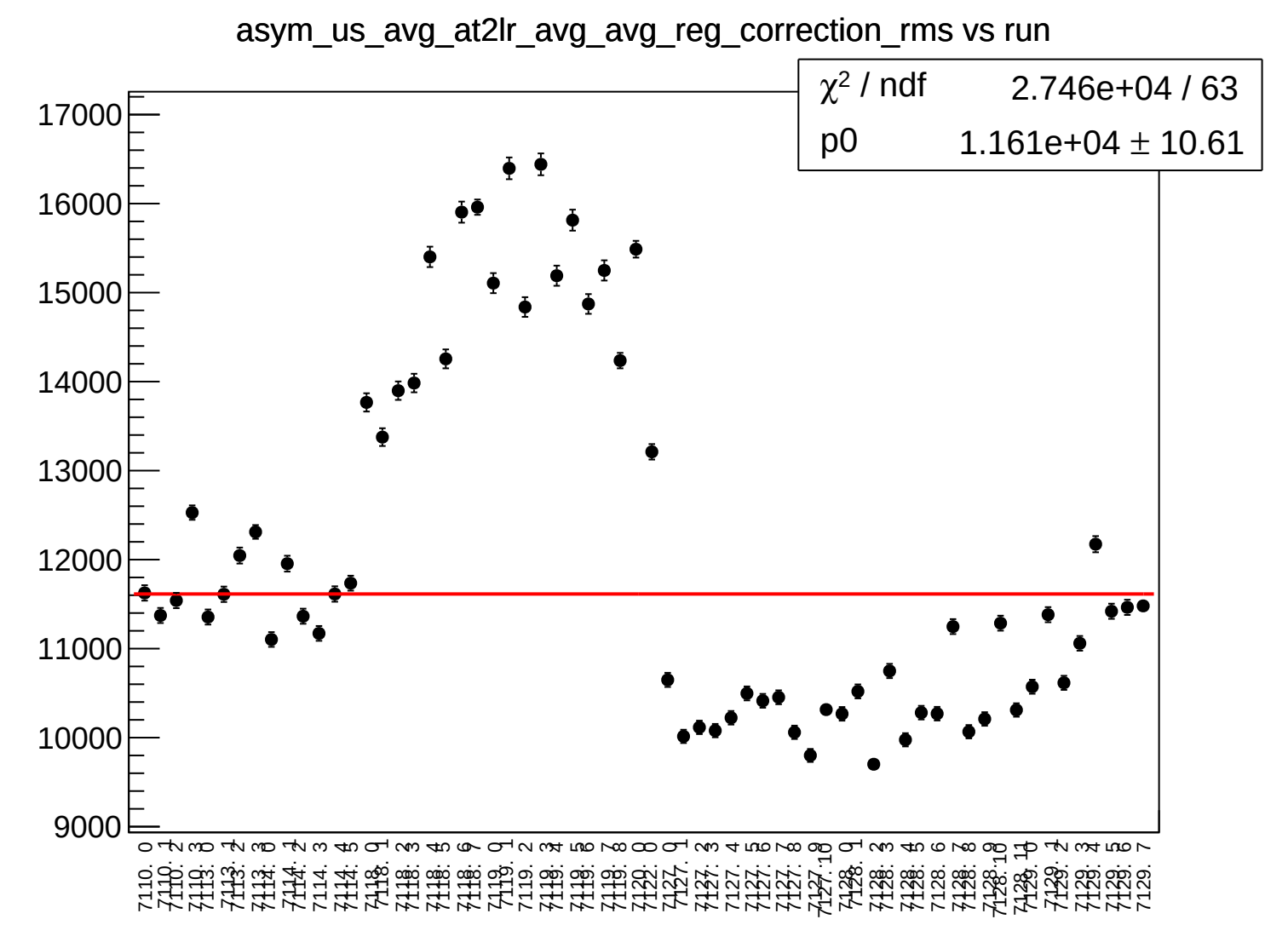

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 53.5 / 63
p0 1.116e+04 ± 2872
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 64
Mean −69.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

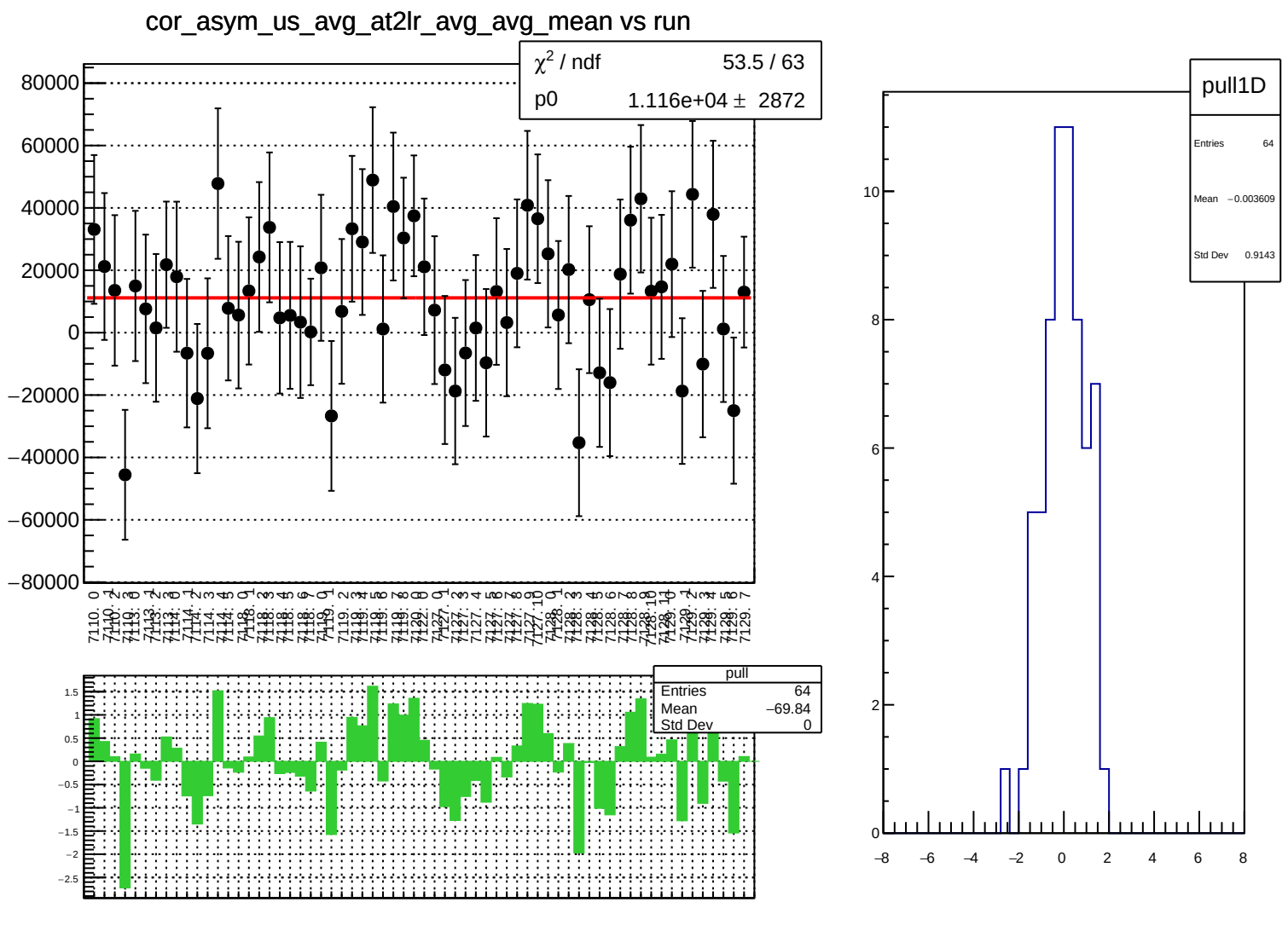

pull1D
Entries 64
Mean −0.00361
Std Dev 0.9143
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

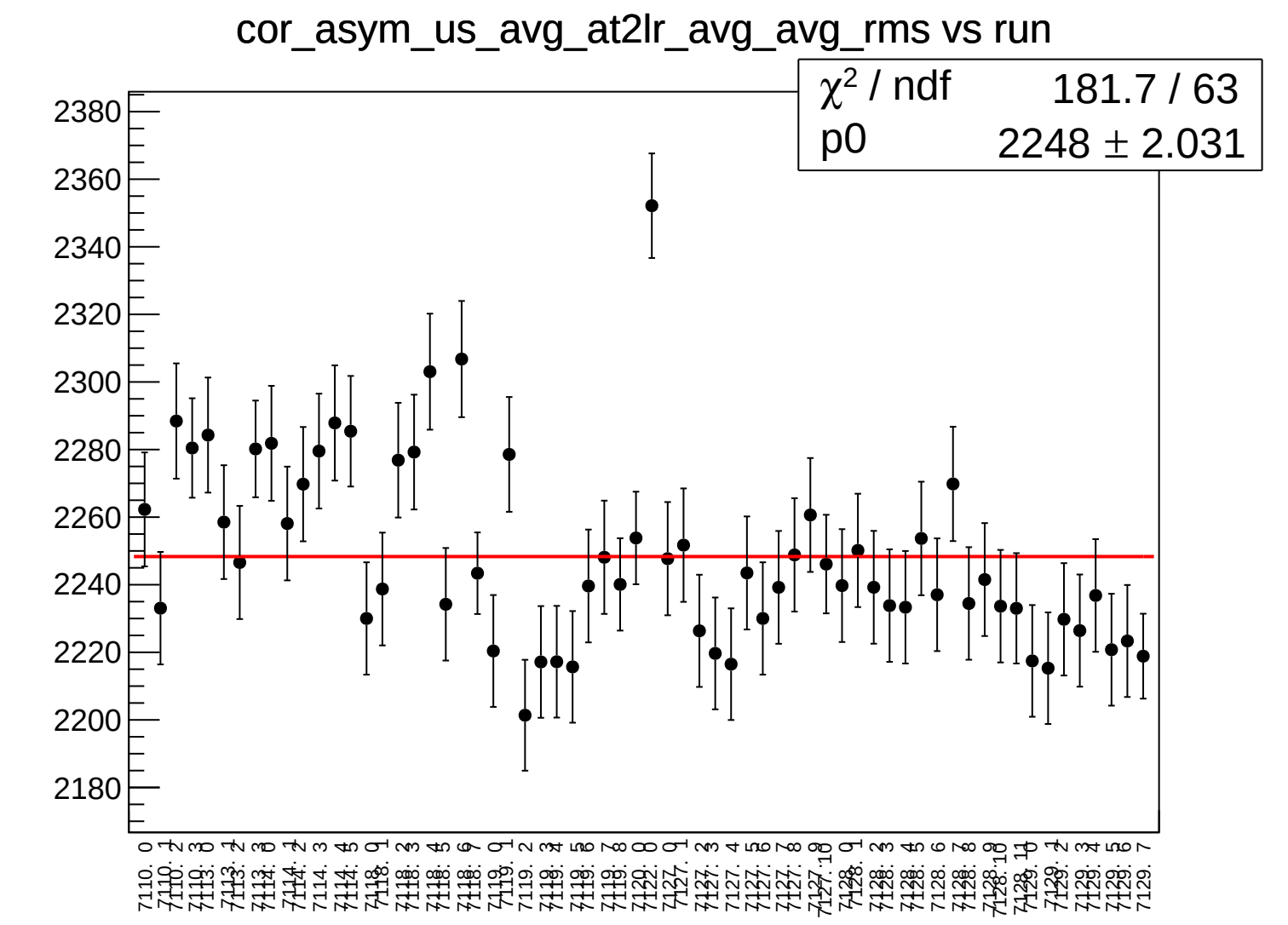

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 181.7 / 63
p0 2248 ± 2.031
2380
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180

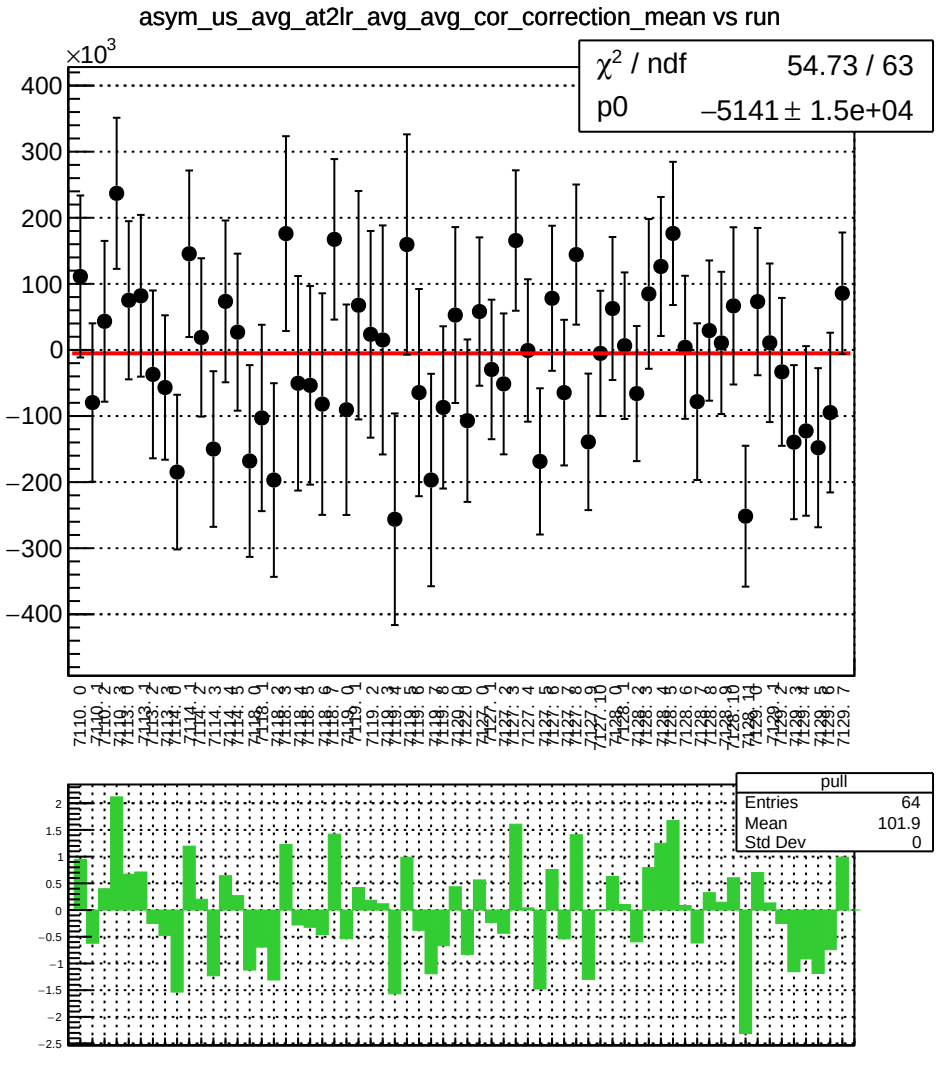

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.73 / 63
p0 −5141 ± 1.5e+04
pull
Entries 64
Mean 101.9
Std Dev 0

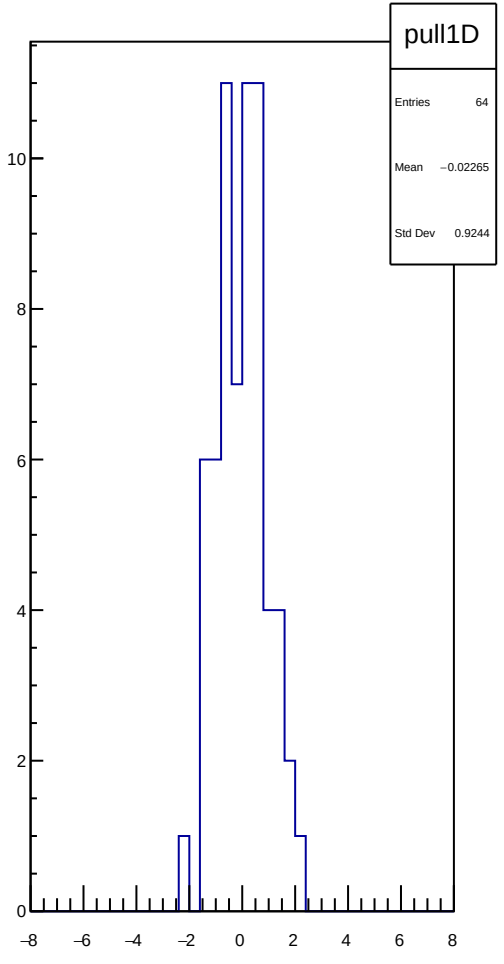

pull1D
Entries 64
Mean −0.02265
Std Dev 0.9244

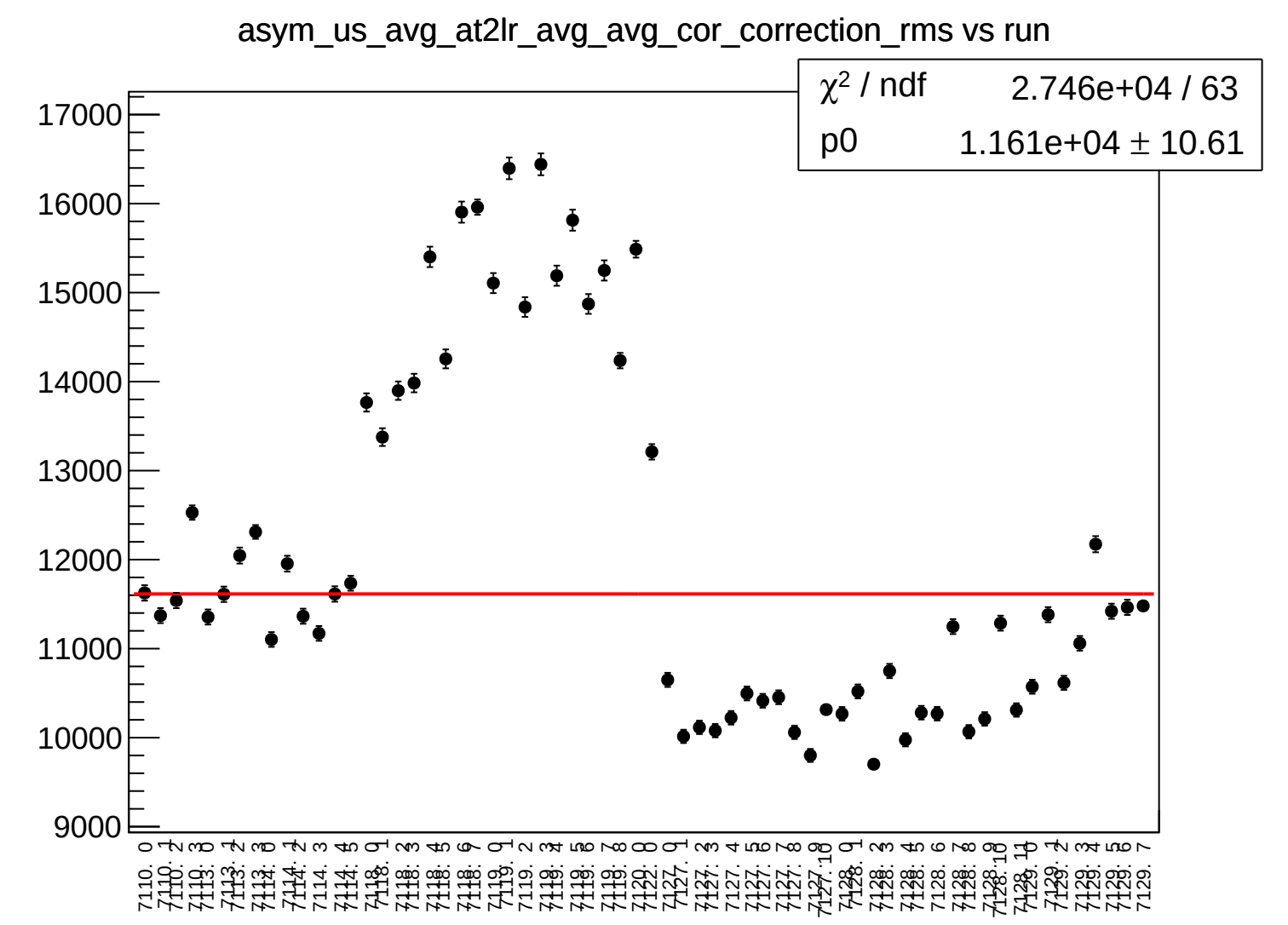

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.746e+04 / 63
p0 1.161e+04 ± 10.61
17000
16000
15000
14000
13000
12000
11000
10000
9000

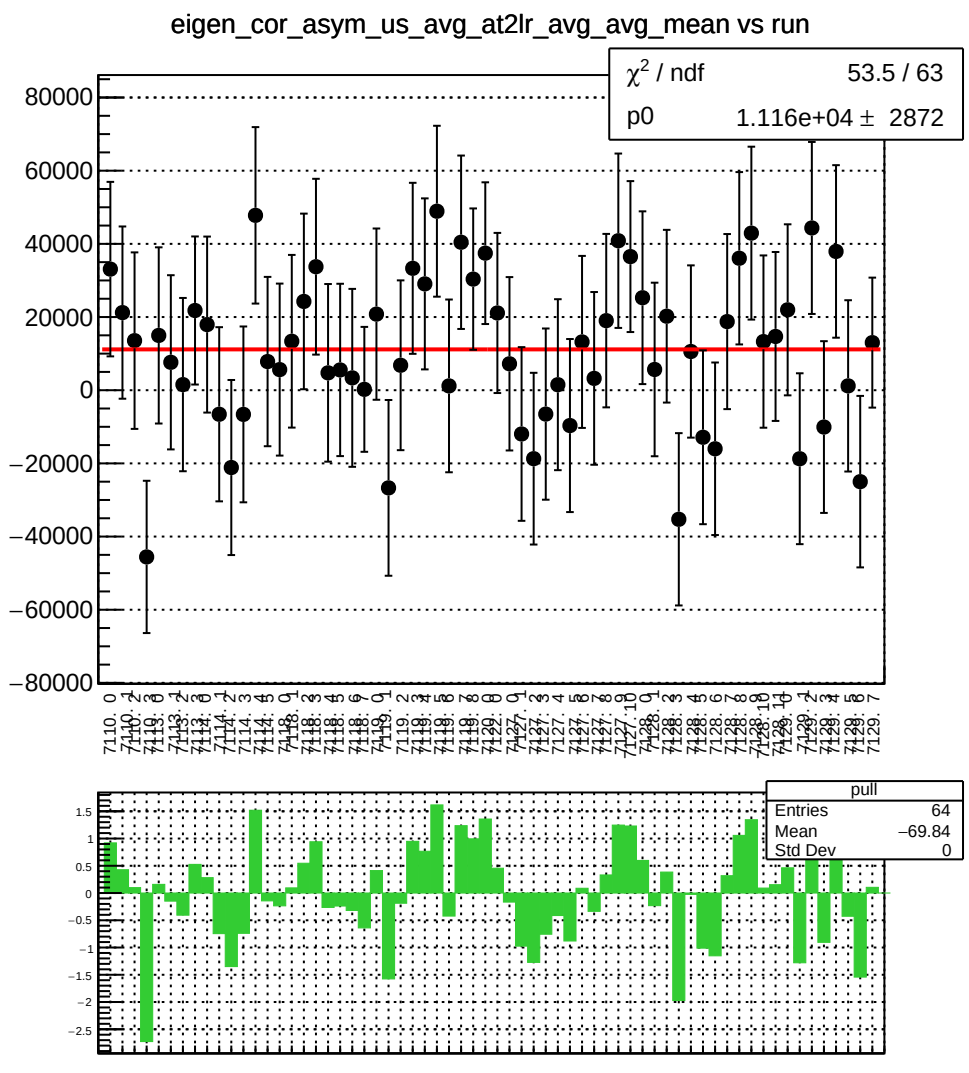

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 53.5 / 63
p0 1.116e+04 ± 2872
pull
Entries 64
Mean −69.84
Std Dev 0
pull1D
Entries 64
Mean −0.003609
Std Dev 0.9143

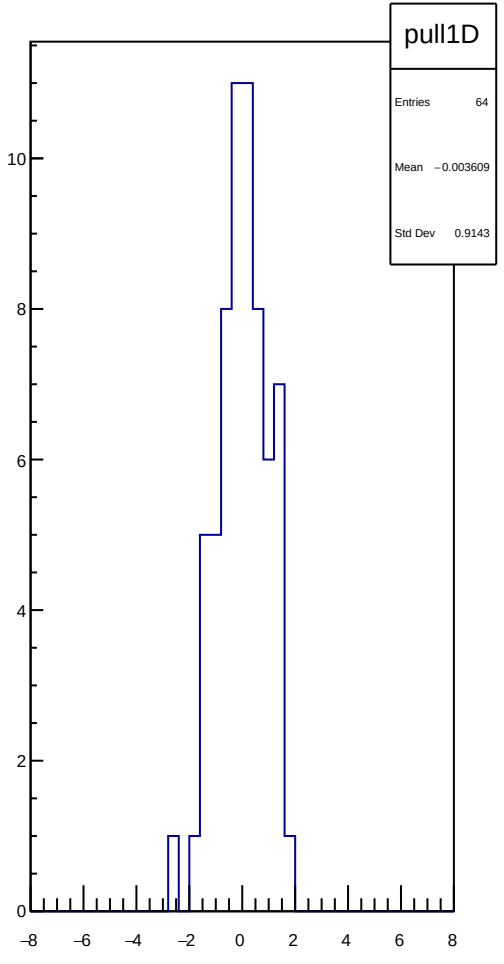

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 181.7 / 63
p0 2248 ± 2.031
2380
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180

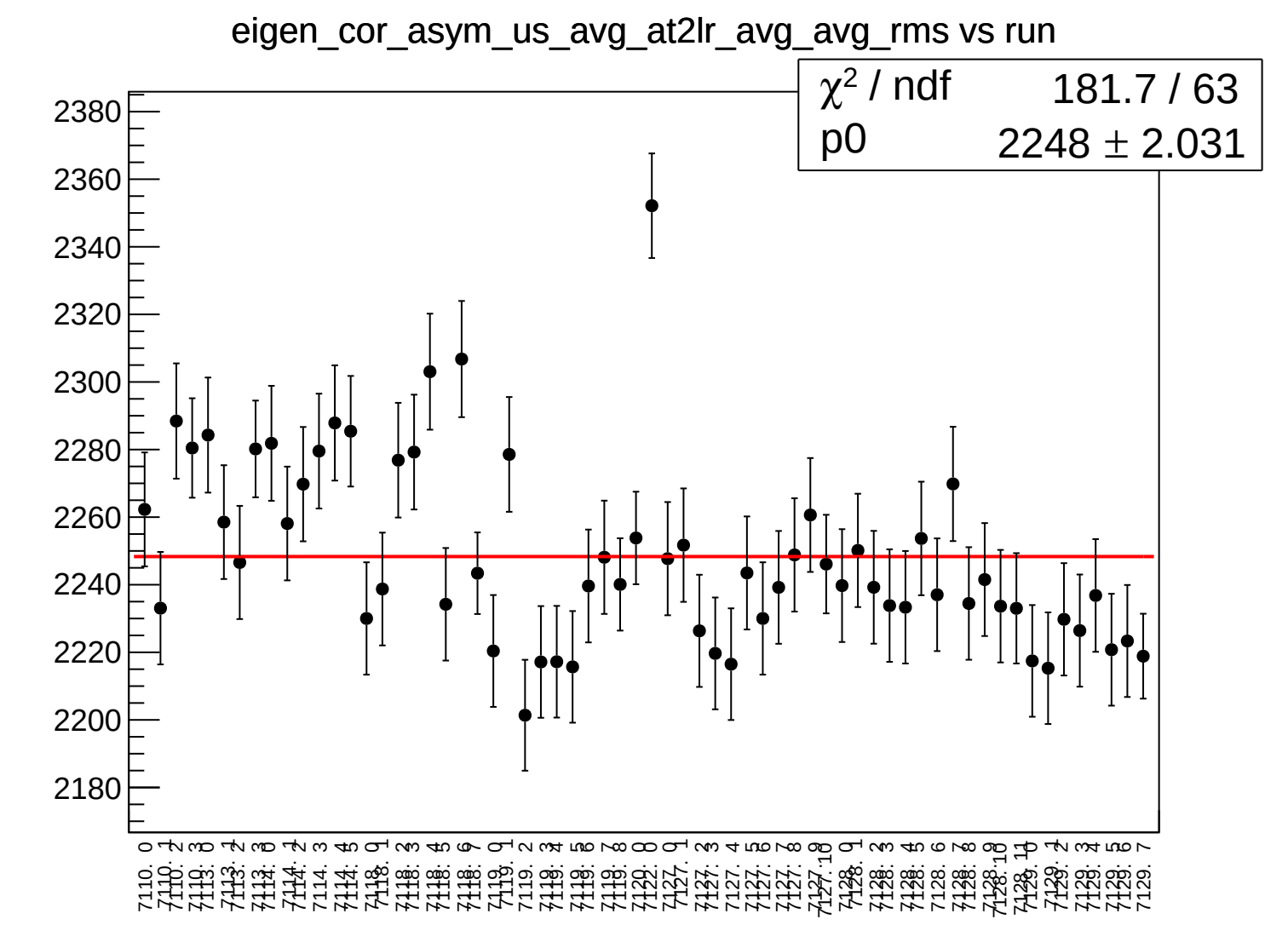

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.73 / 63
p0 −5141 ± 1.5e+04
pull
Entries 64
Mean 101.9
Std Dev 0

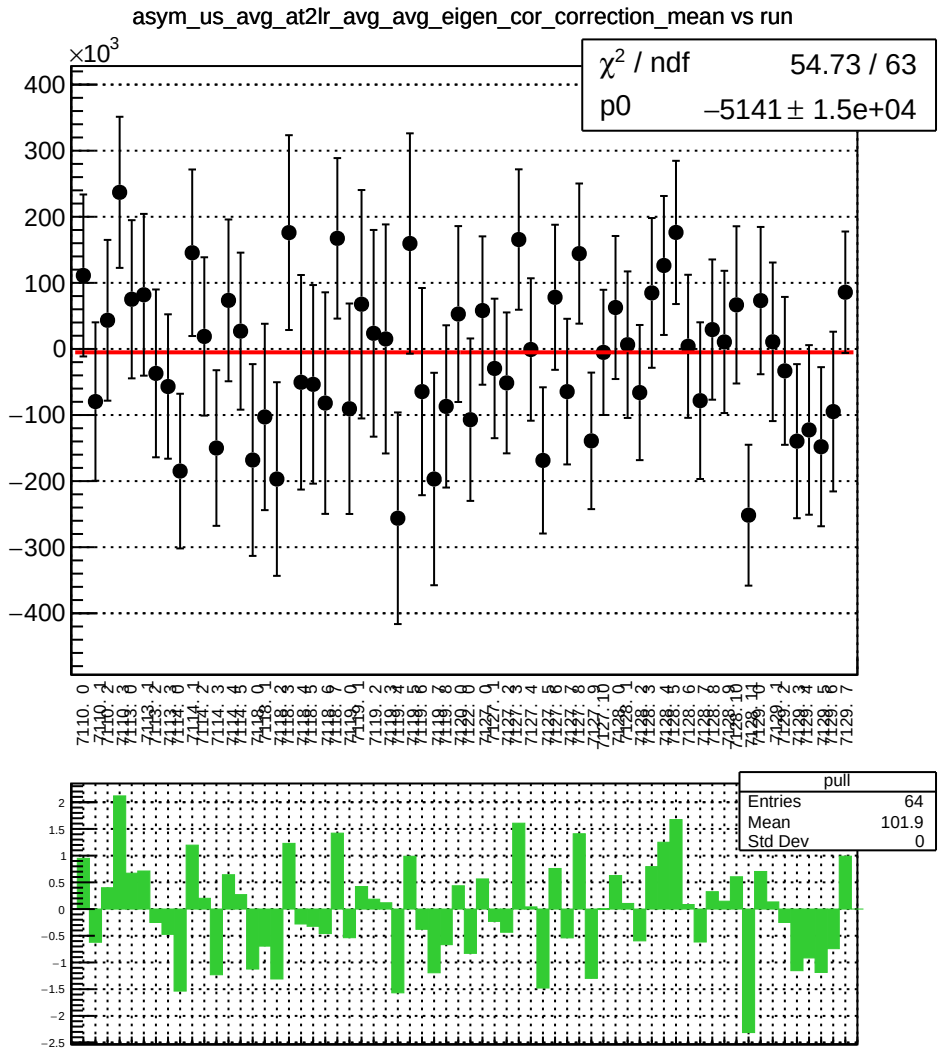

pull1D
Entries 64
Mean −0.02265
Std Dev 0.9244

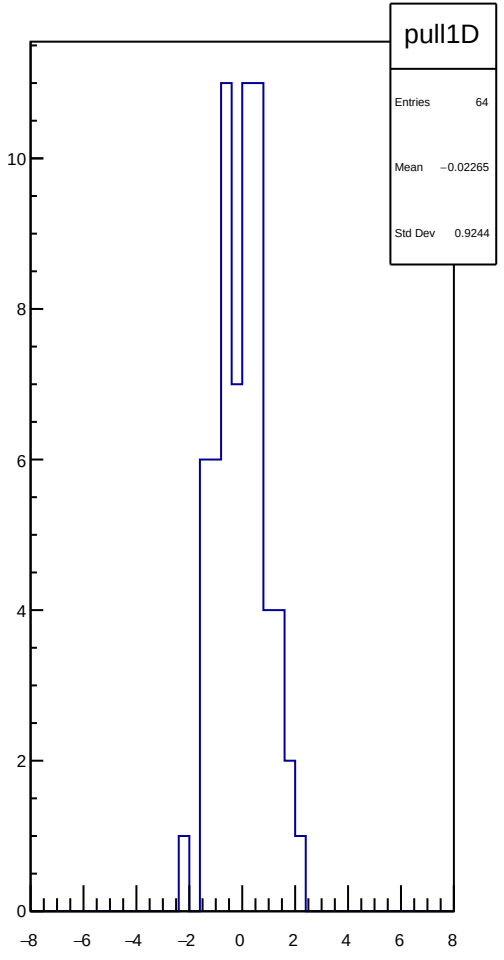

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.746e+04 / 63
p0 1.161e+04 ± 10.61
17000
16000
15000
14000
13000
12000
11000
10000
9000

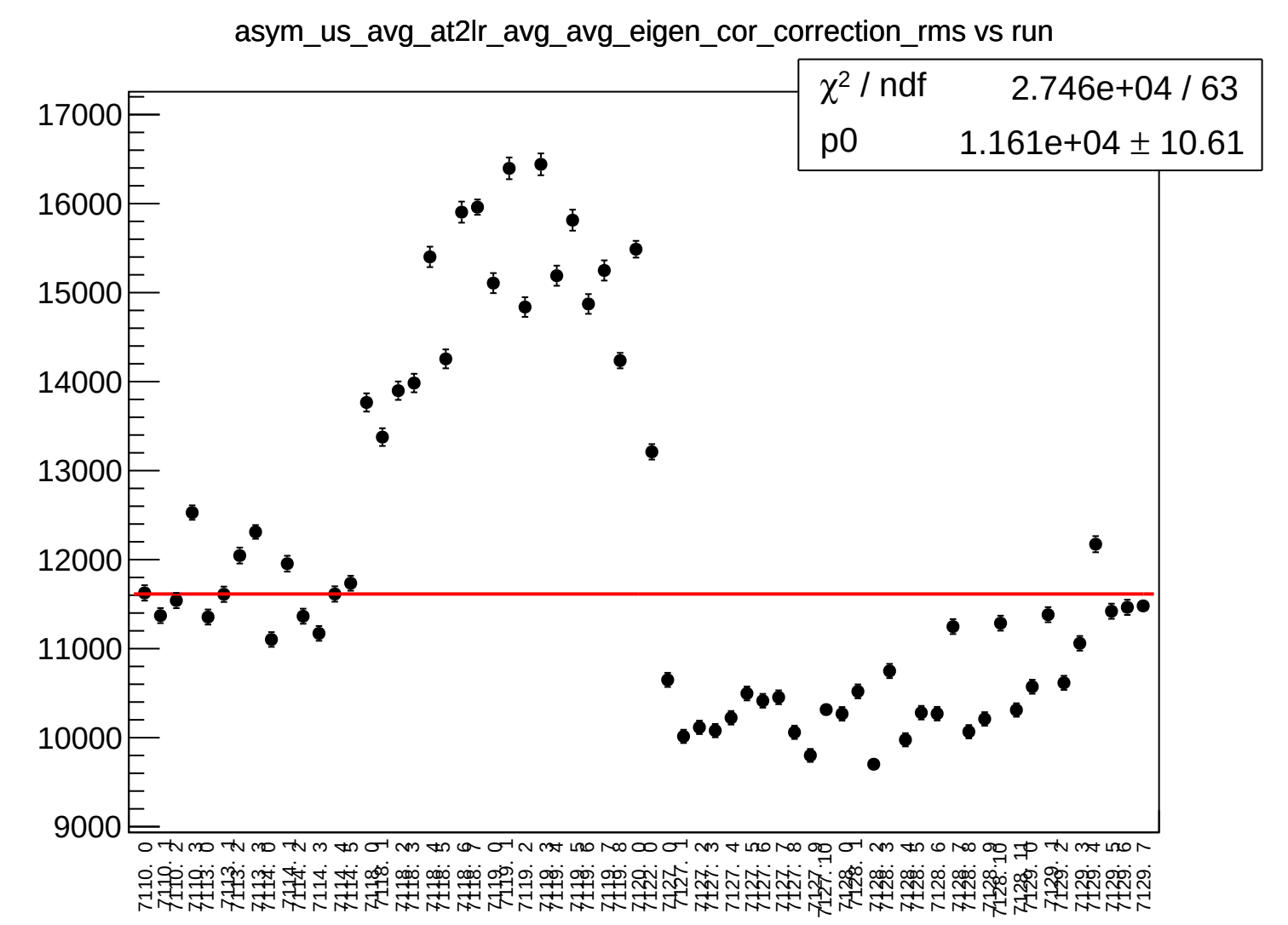

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 53.5 / 63
p0 1.116e+04 ± 2872
pull
Entries 64
Mean −69.84
Std Dev 0

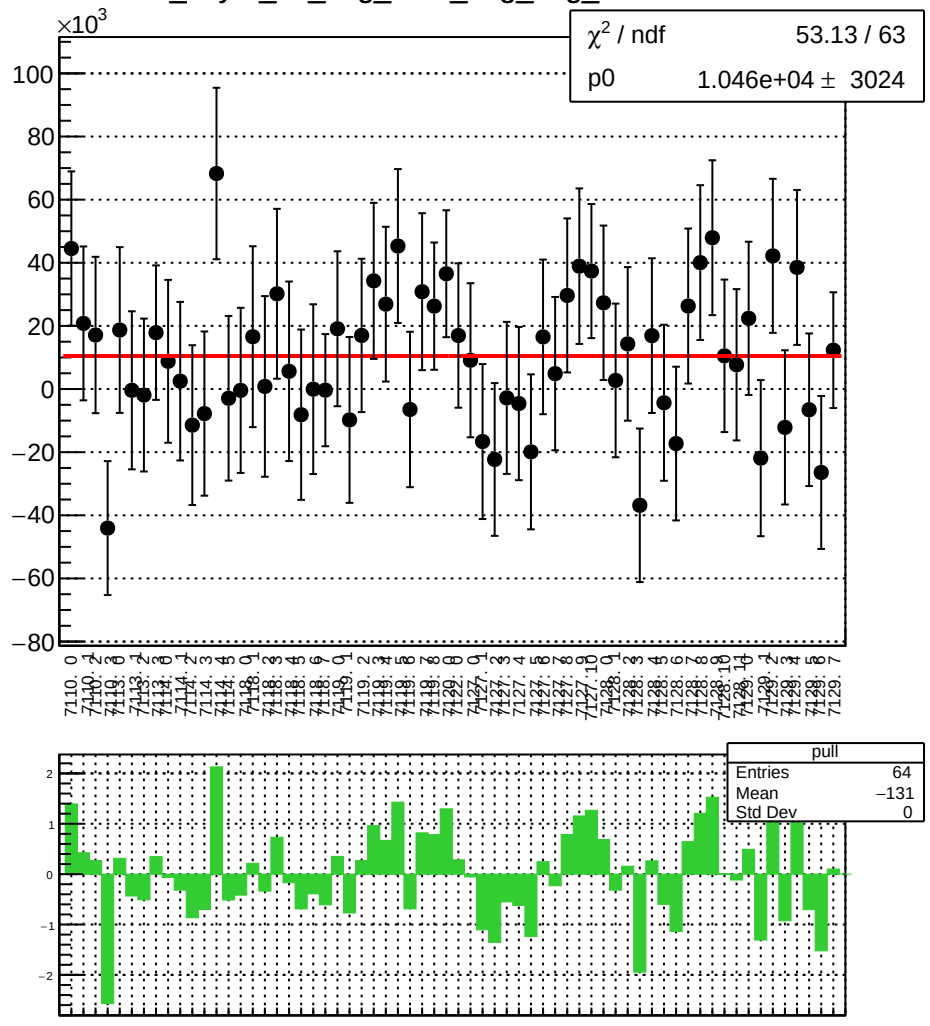

pull1D
Entries 64
Mean −0.003609
Std Dev 0.9143

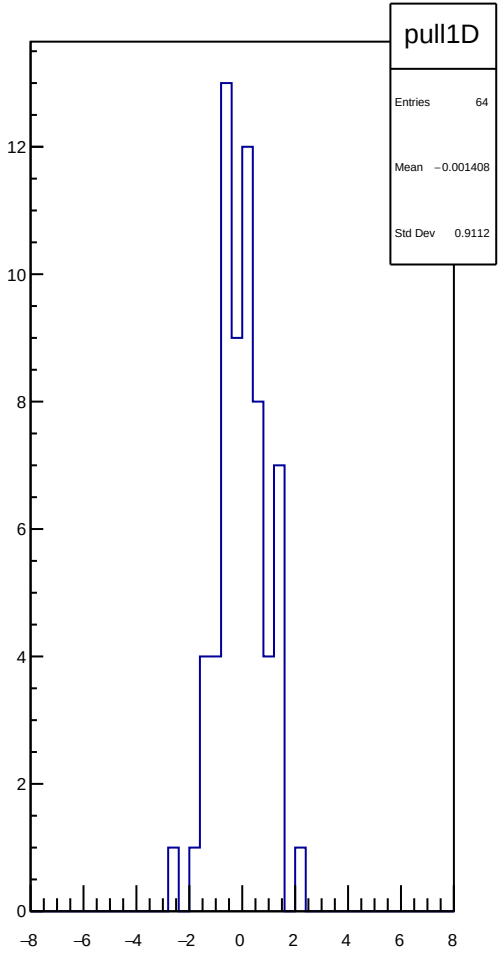

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 181.7 / 63
p0 2248 ± 2.031
2380
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180

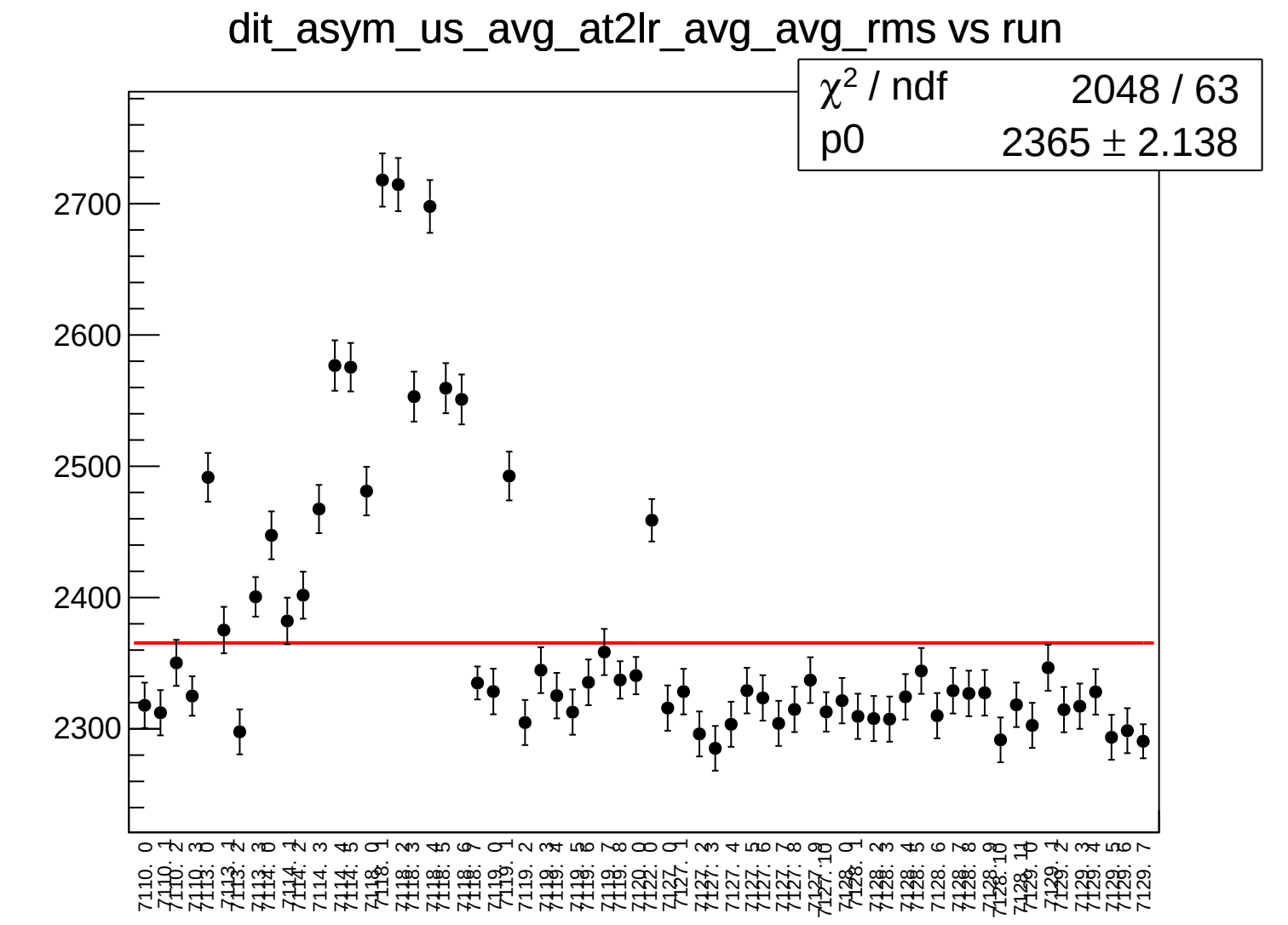

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.73 / 63
p0 −5141 ± 1.5e+04
pull
Entries 64
Mean 101.9
Std Dev 0

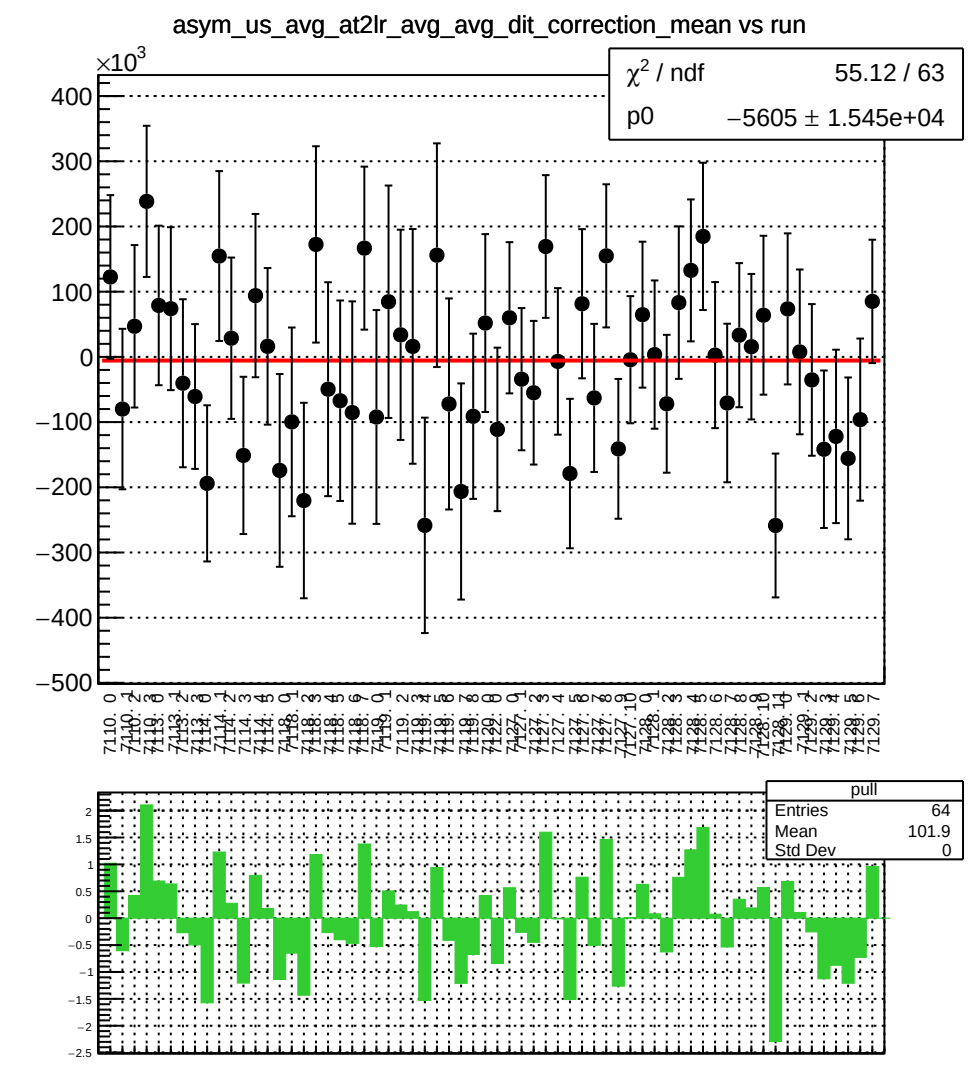

pull1D
Entries 64
Mean −0.02265
Std Dev 0.9244

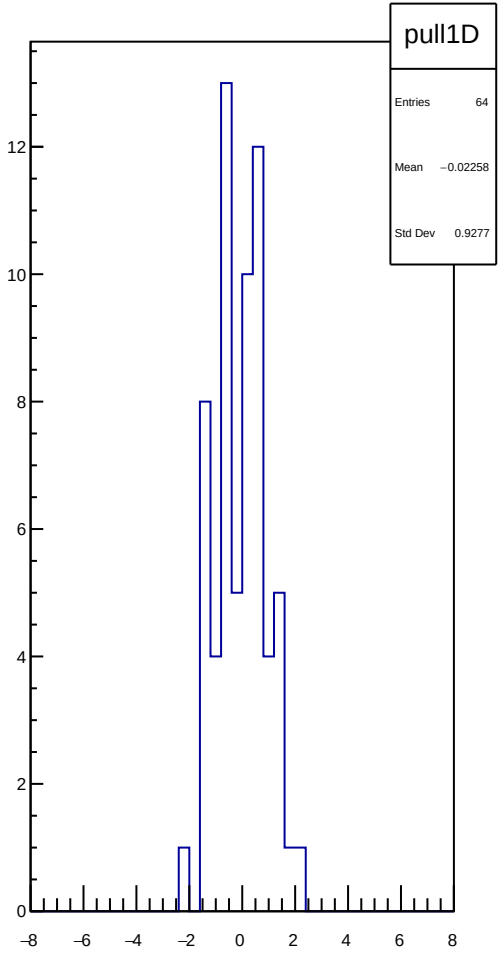

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.746e+04 / 63
p0 1.161e+04 ± 10.61
17000
16000
15000
14000
13000
12000
11000
10000
9000

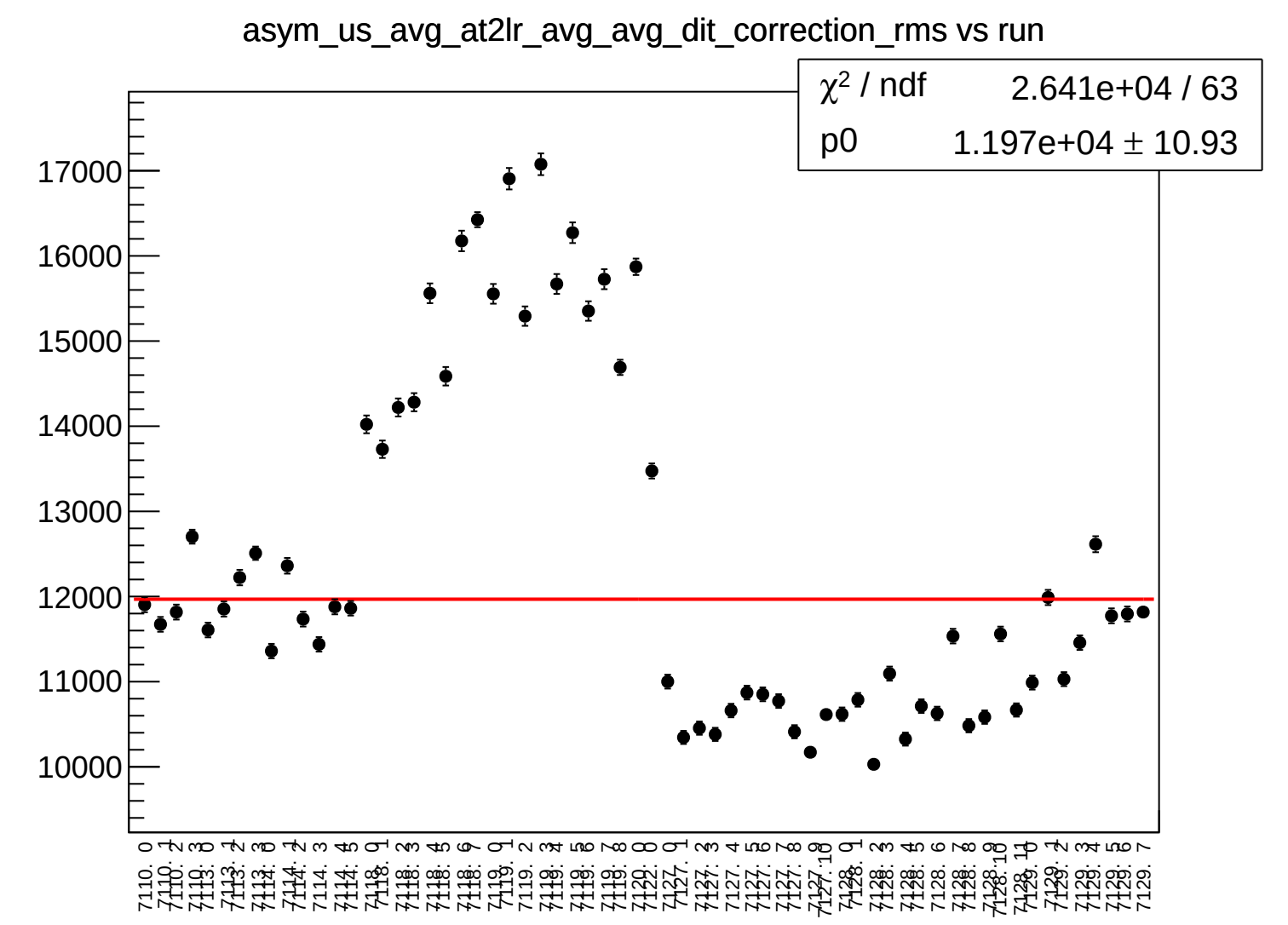

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 53.13 / 63
p0 1.046e+04 ± 3024
pull
Entries 64
Mean −131
Std Dev 0

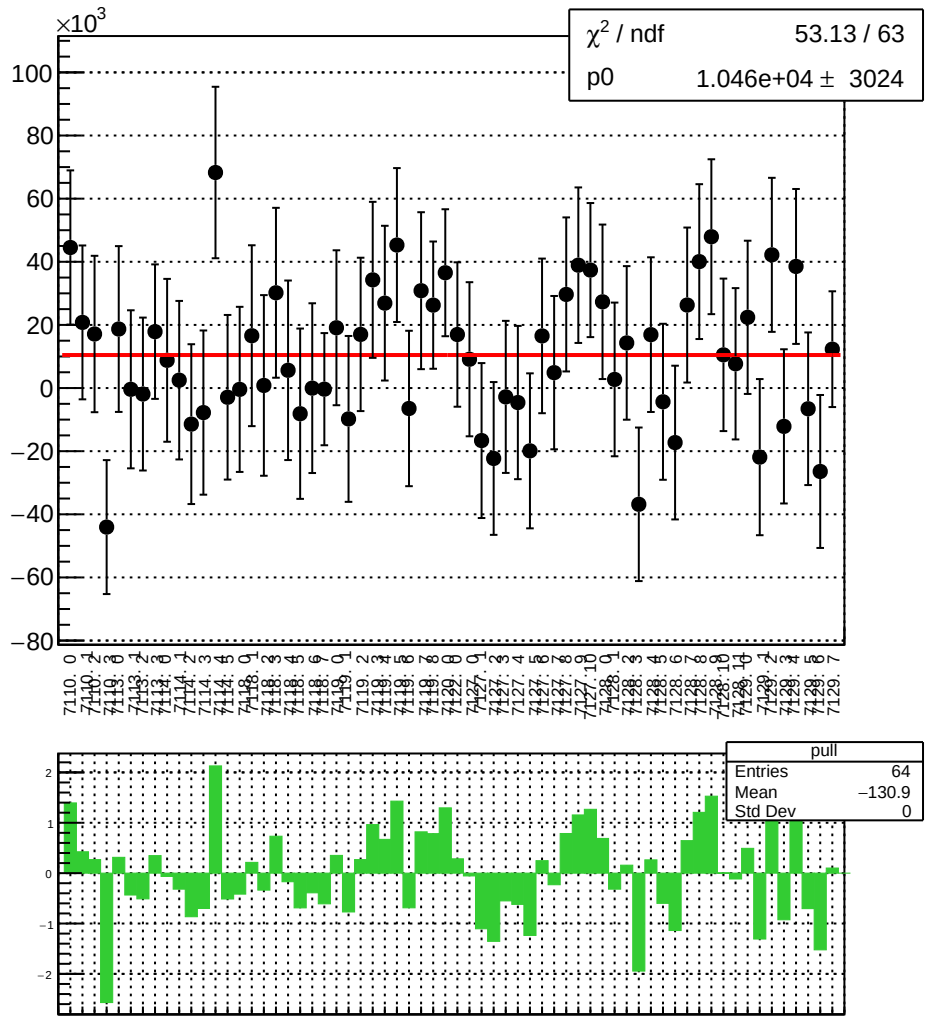

pull1D
Entries 64
Mean −0.001408
Std Dev 0.9112

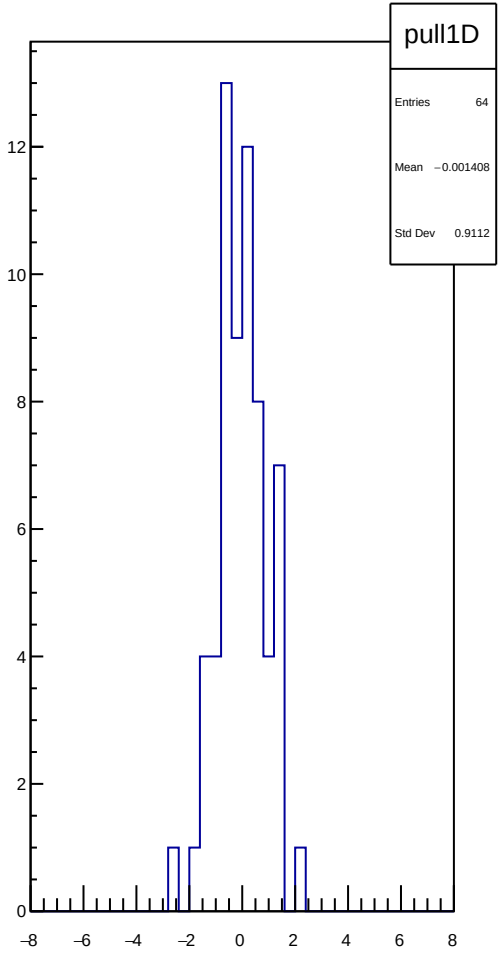

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2048 / 63
p0 2365 ± 2.138
2700
2600
2500
2400
2300

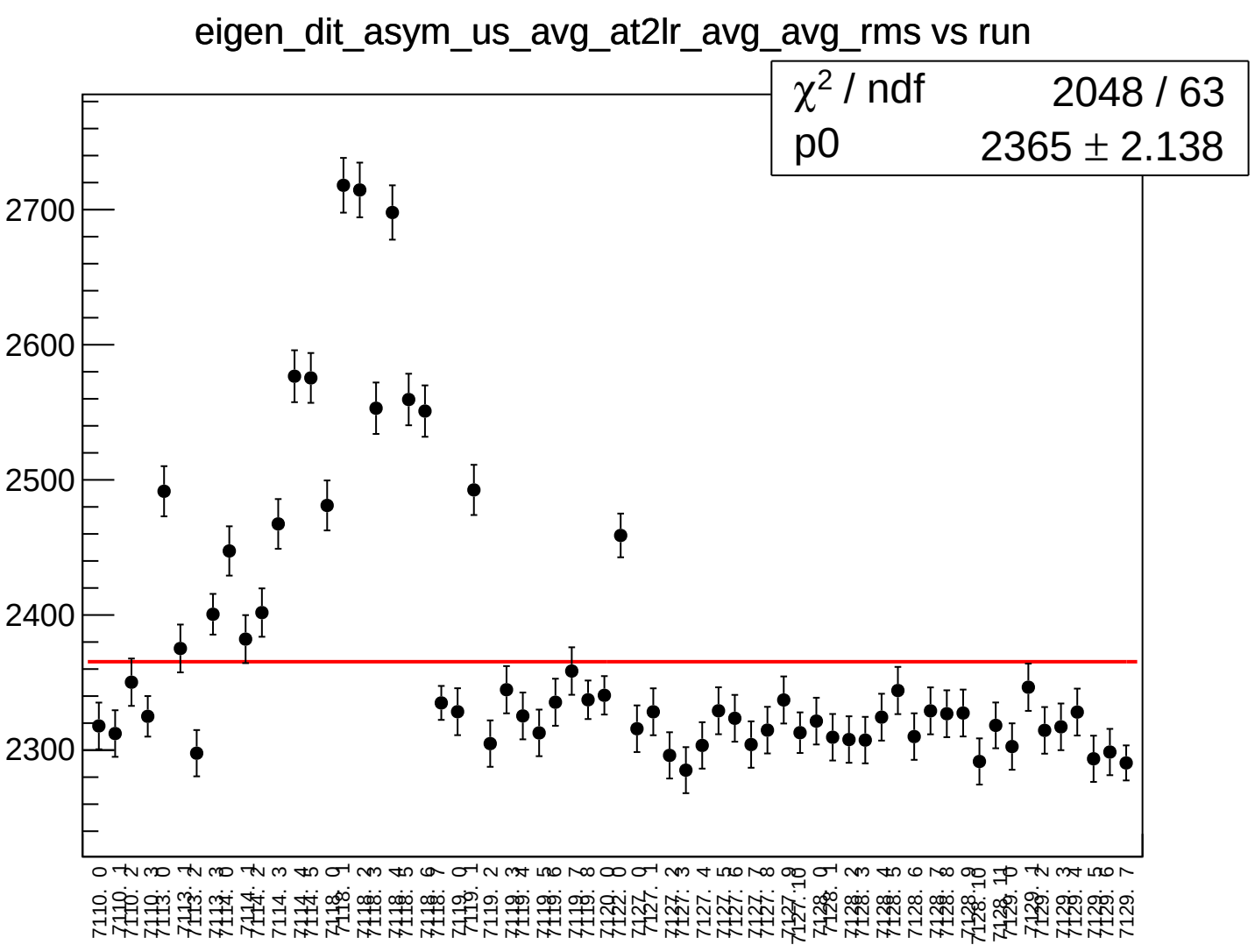

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.12 / 63
p0 −5605 ± 1.545e+04
pull
Entries 64
Mean 101.9
Std Dev 0

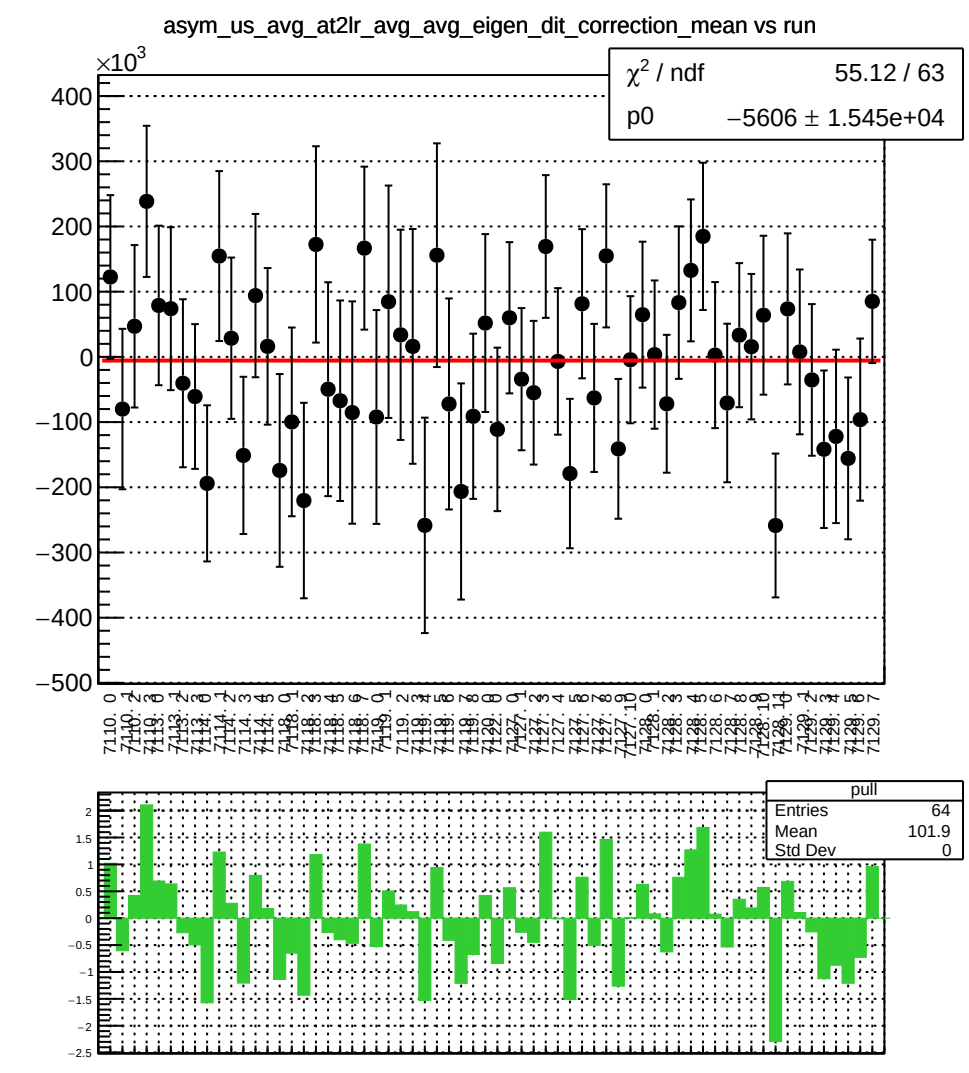

pull1D
Entries 64
Mean −0.02258
Std Dev 0.9277

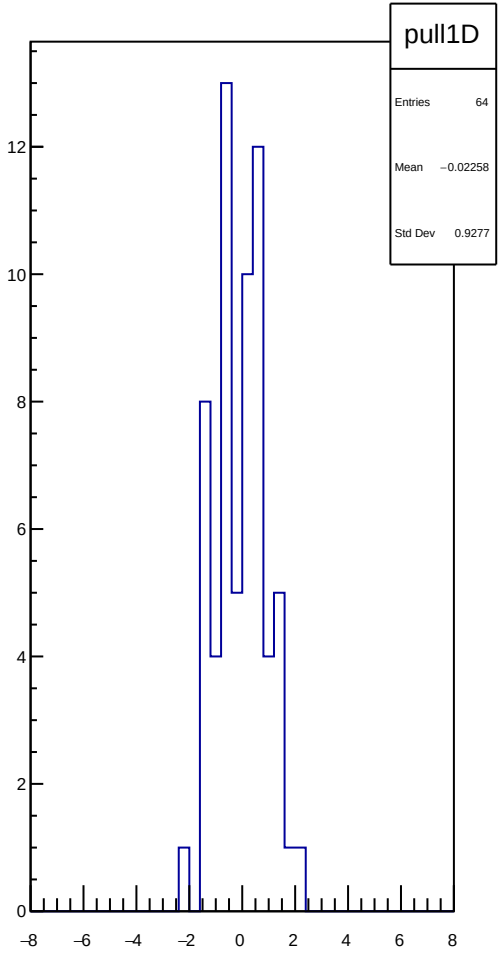

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.641e+04 / 63
p0 1.197e+04 ± 10.93
17000
16000
15000
14000
13000
12000
11000
10000

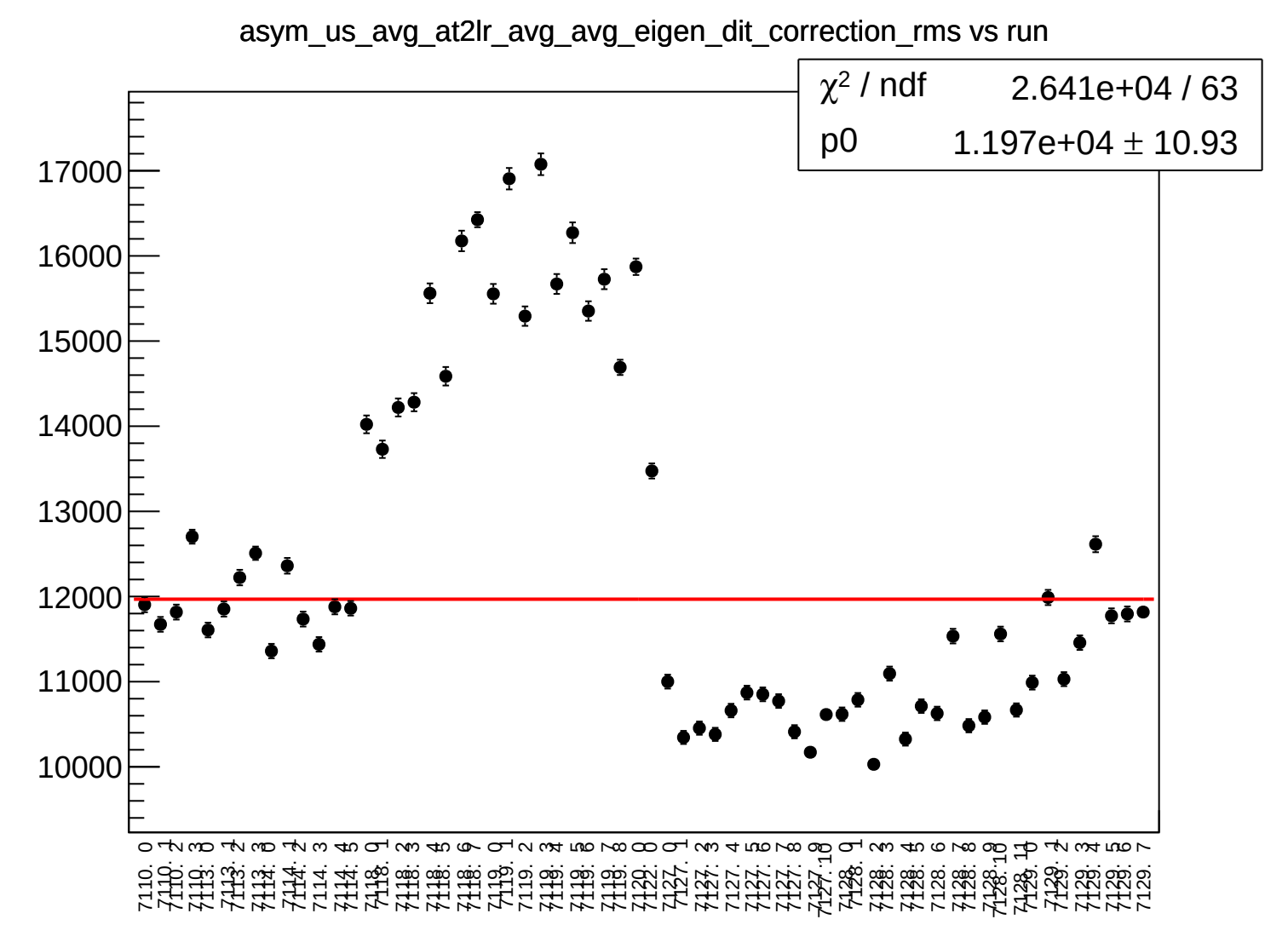

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 53.13 / 63
p0 1.046e+04 ± 3024
pull
Entries 64
Mean −130.9
Std Dev 0

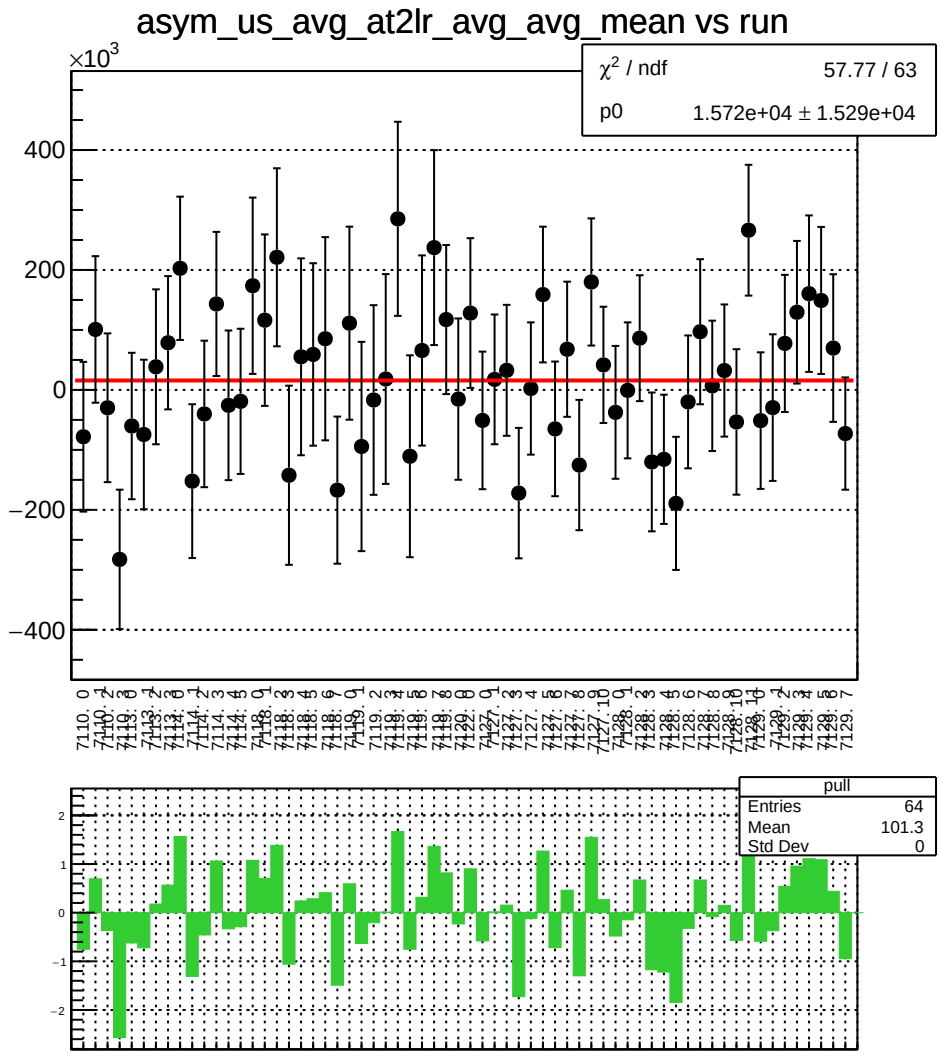

pull1D
Entries 64
Mean −0.001408
Std Dev 0.9112

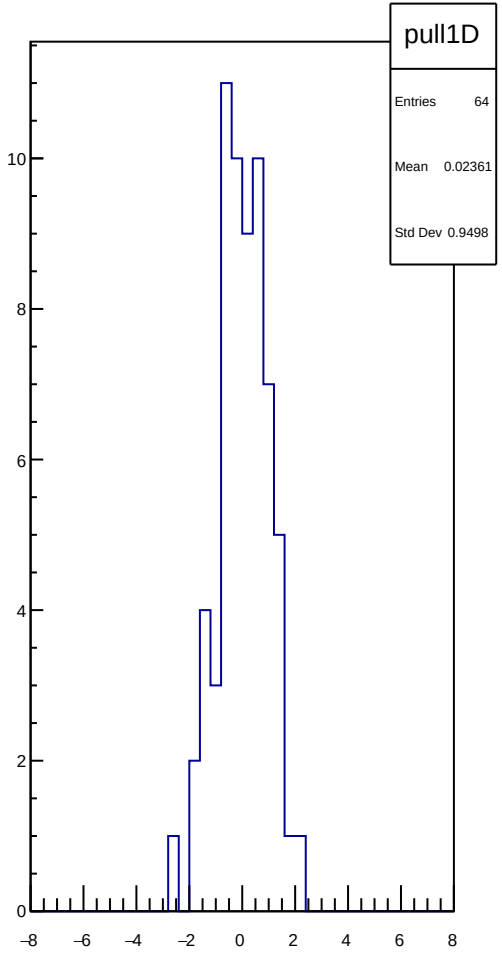

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2048 / 63
p0 2365 ± 2.138
2700
2600
2500
2400
2300

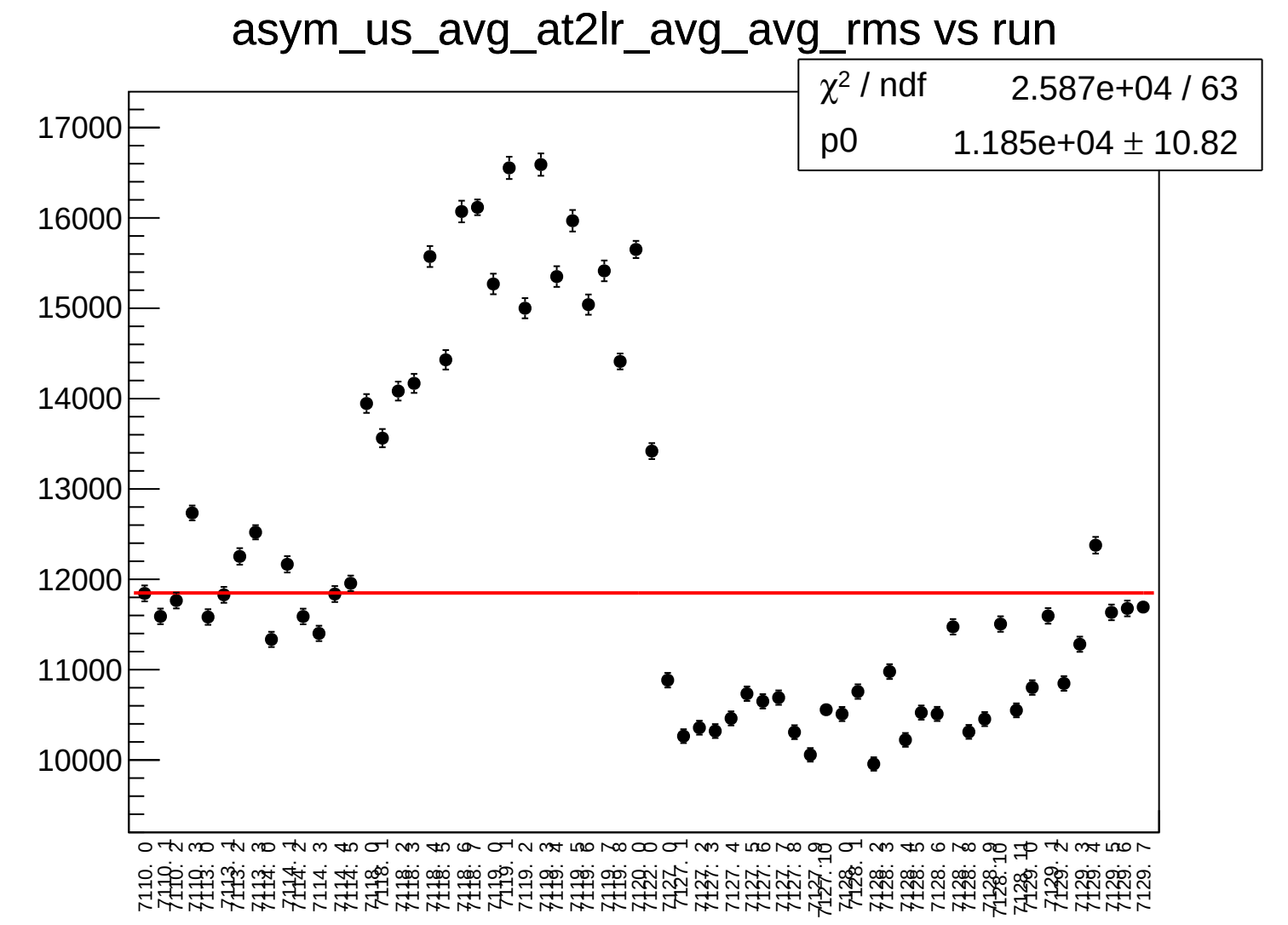

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.12 / 63
p0 −5606 ± 1.545e+04
pull
Entries 64
Mean 101.9
Std Dev 0

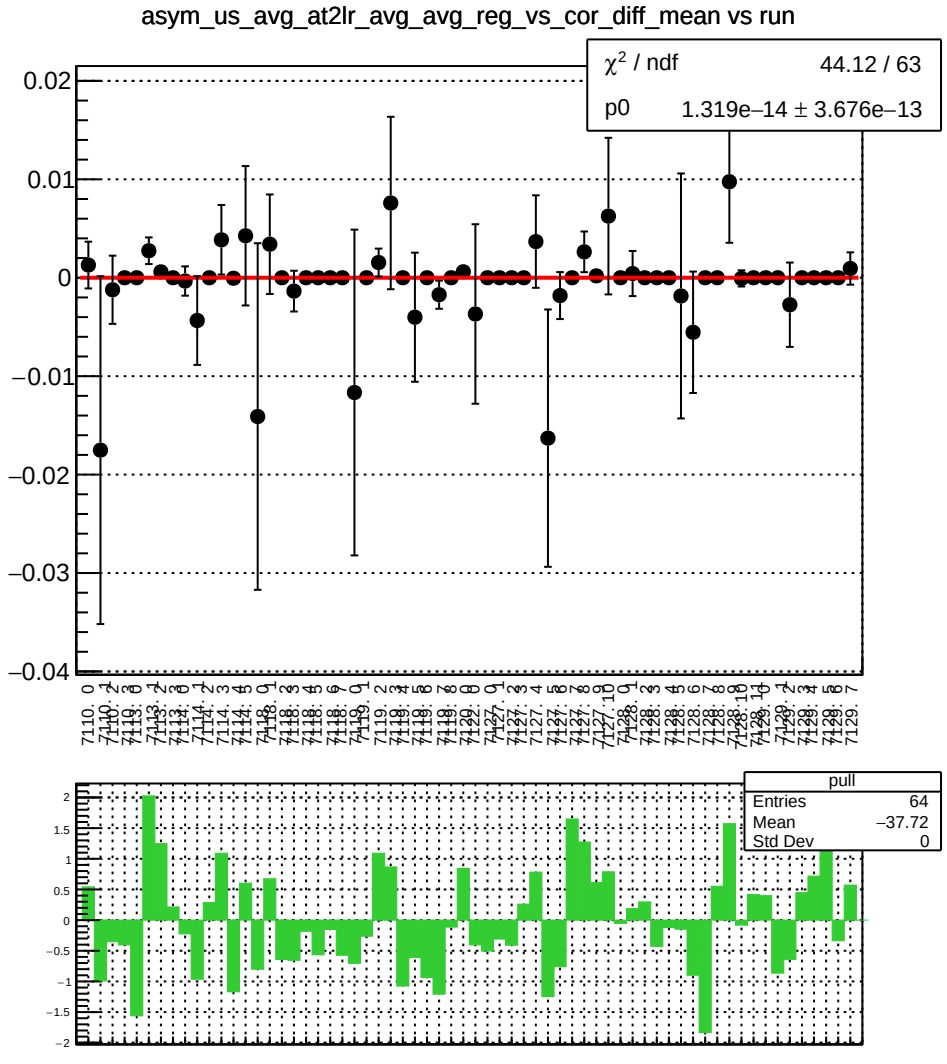

pull1D
Entries 64
Mean −0.02258
Std Dev 0.9277

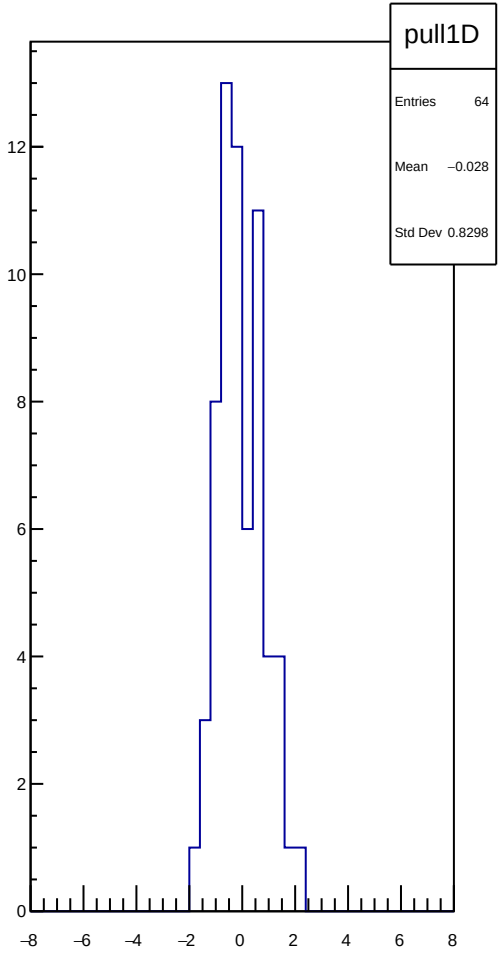

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.641e+04 / 63
p0 1.197e+04 ± 10.93
17000
16000
15000
14000
13000
12000
11000
10000

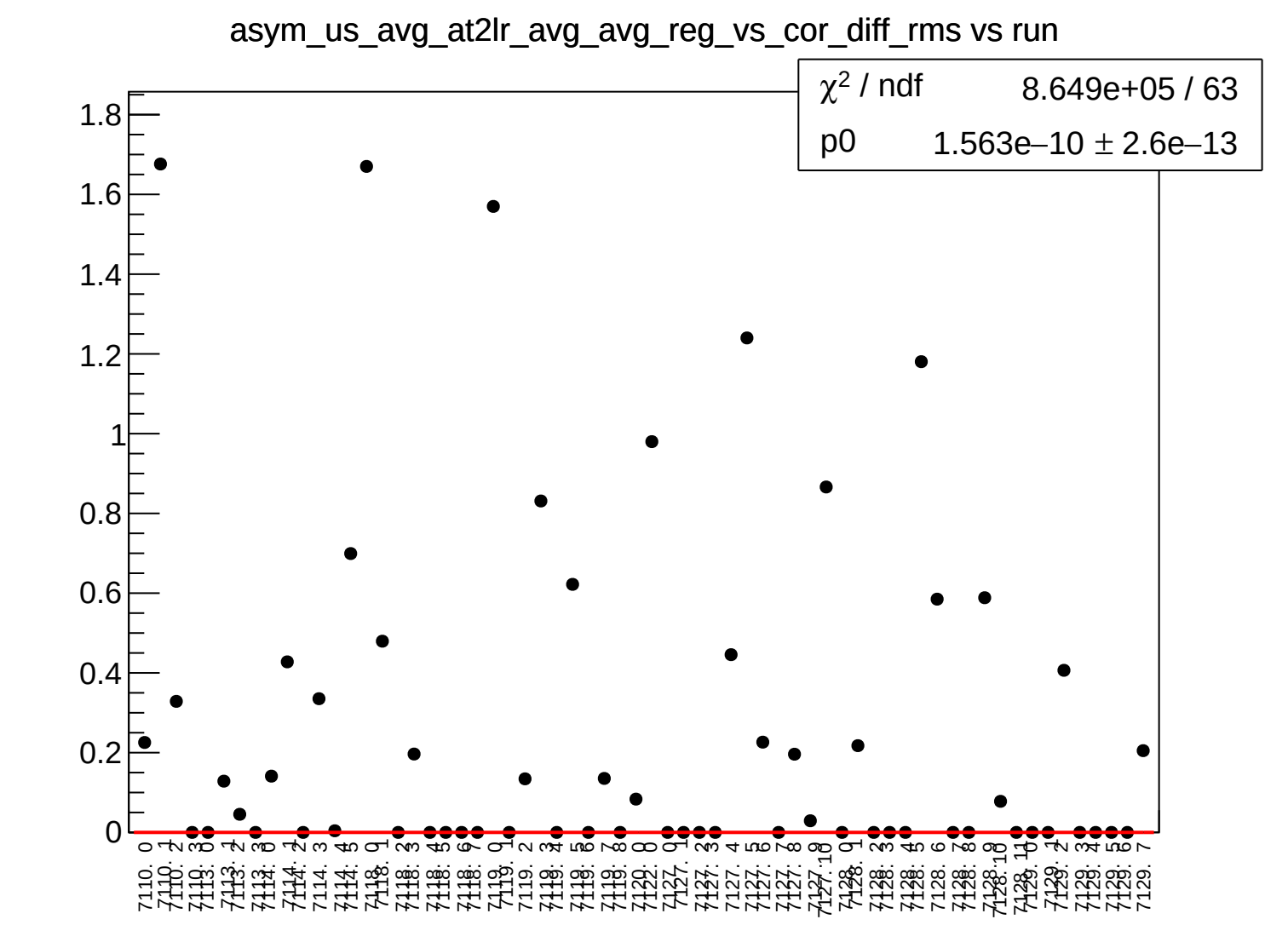

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 57.77 / 63
p0 1.572e+04 ± 1.529e+04
400
200
0
−200
−400
pull
Entries 64
Mean 101.3
Std Dev 0
2
1
0
−1
−2

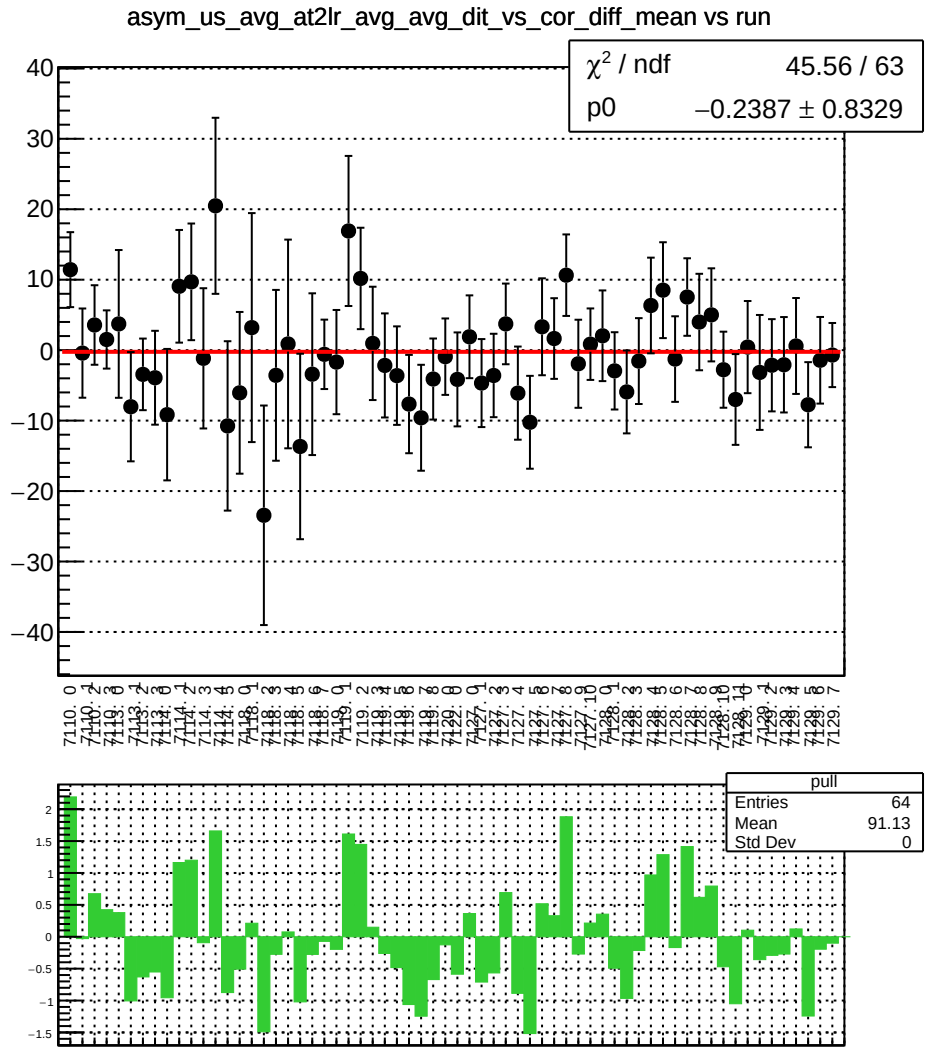

pull1D
Entries 64
Mean 0.02361
Std Dev 0.9498
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

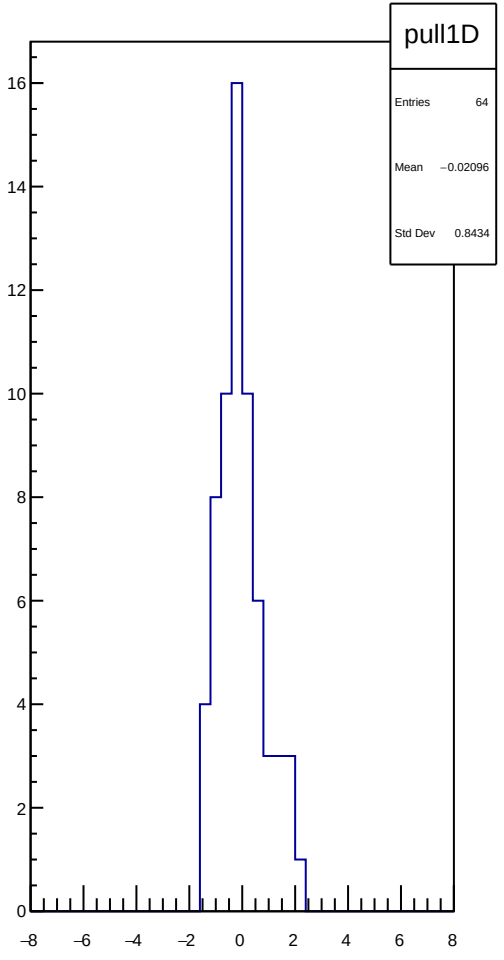

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2.587e+04 / 63
p0 1.185e+04 ± 10.82
17000
16000
15000
14000
13000
12000
11000
10000

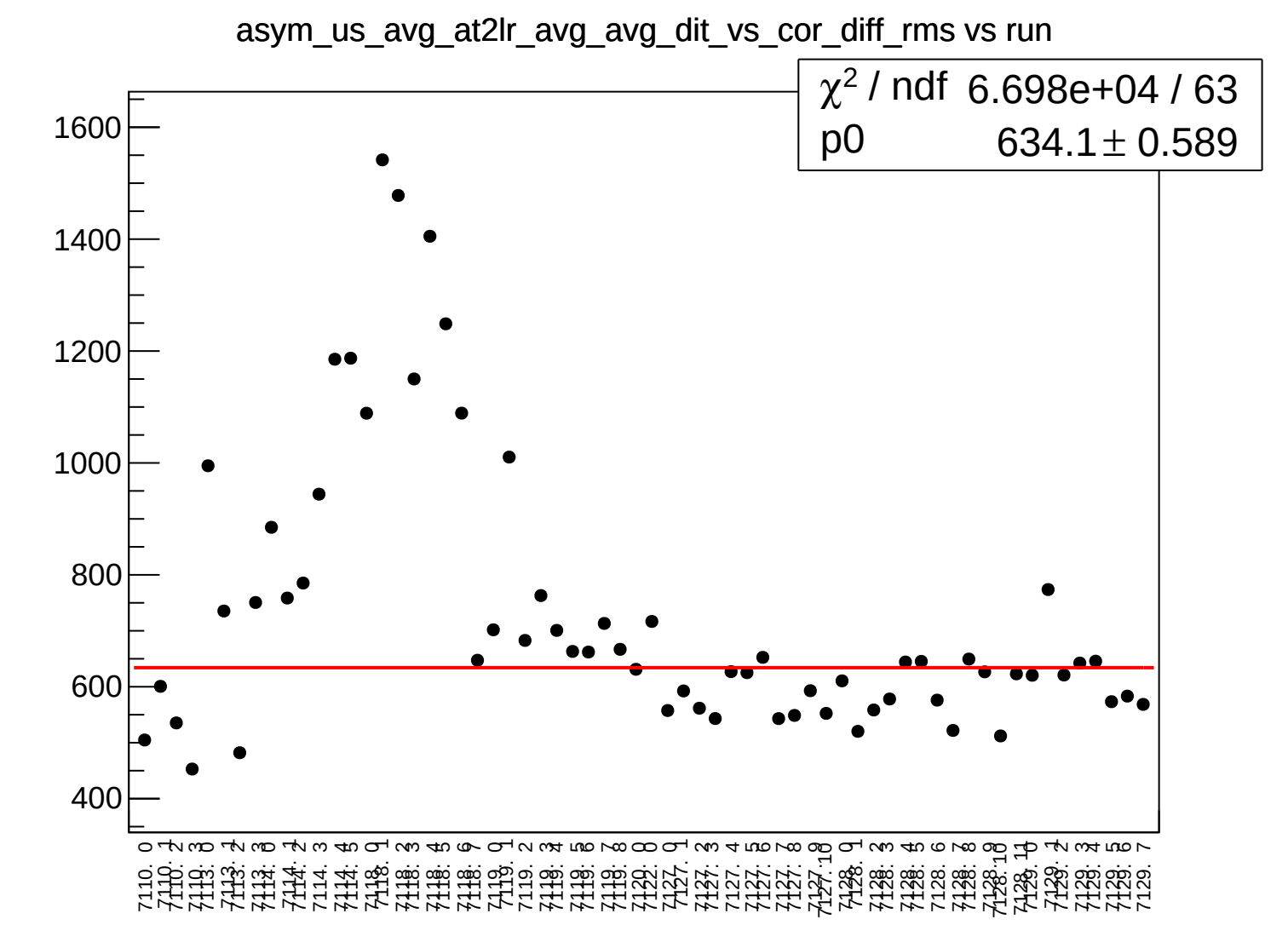

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 44.12 / 63
p0 1.319e−14 ± 3.676e−13
pull
Entries 64
Mean −37.72
Std Dev 0

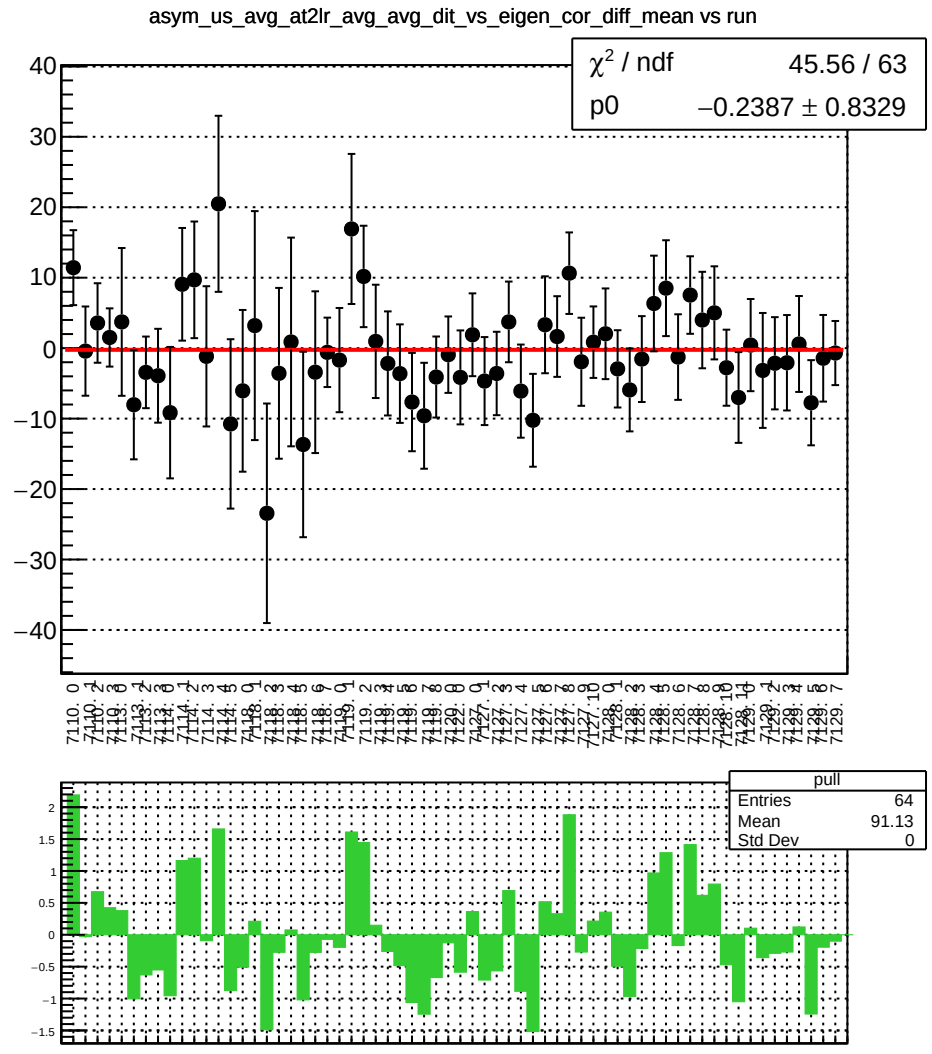

pull1D
Entries 64
Mean −0.028
Std Dev 0.8298

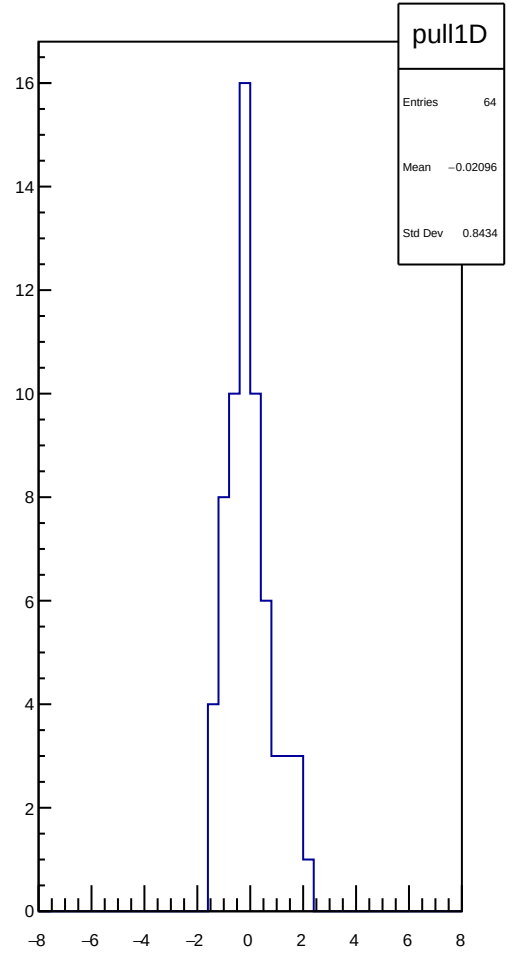

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 8.649e+05 / 63
p0 1.563e−10 ± 2.6e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

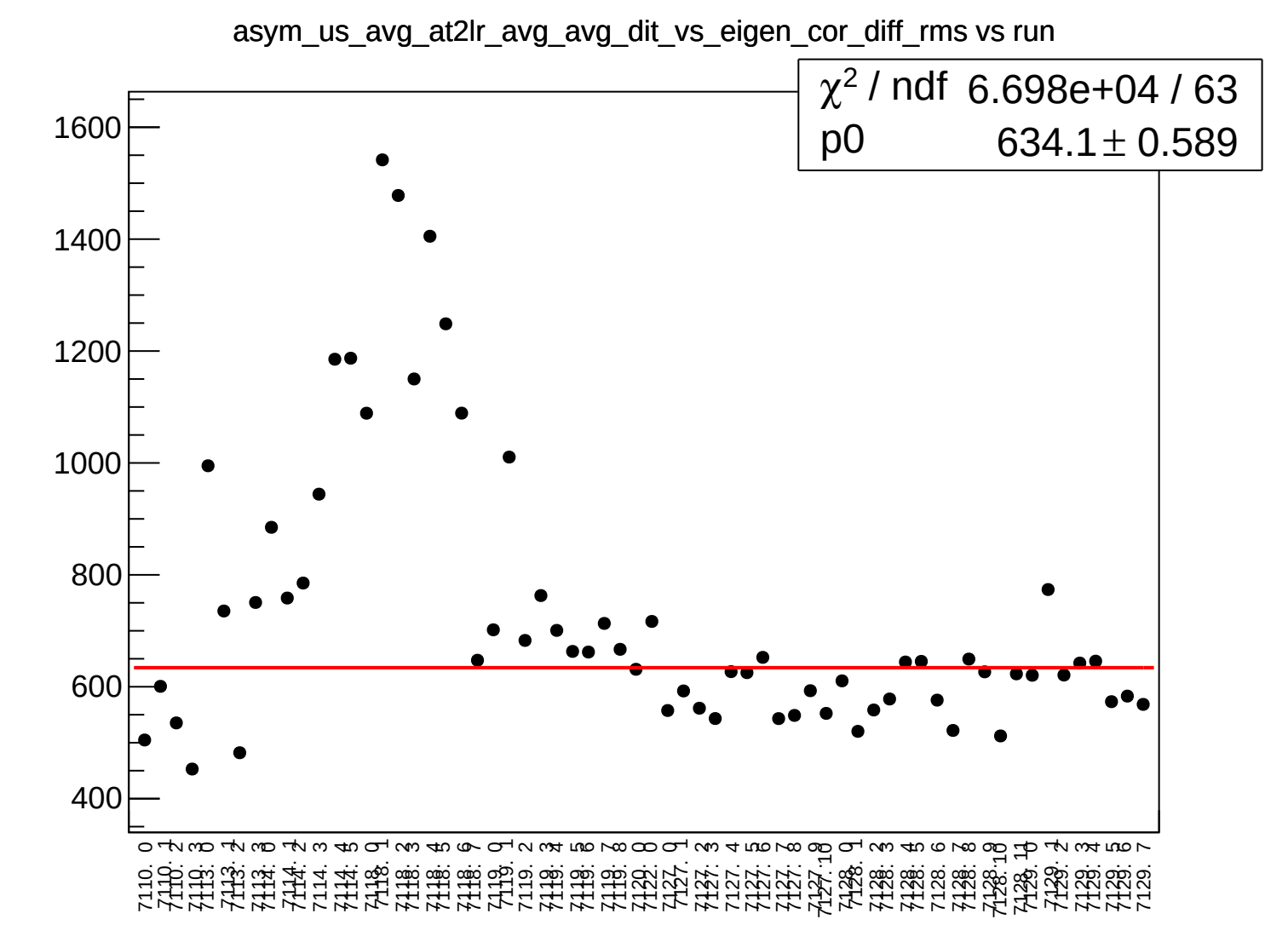

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.56 / 63
p0 −0.2387 ± 0.8329
pull
Entries 64
Mean 91.13
Std Dev 0

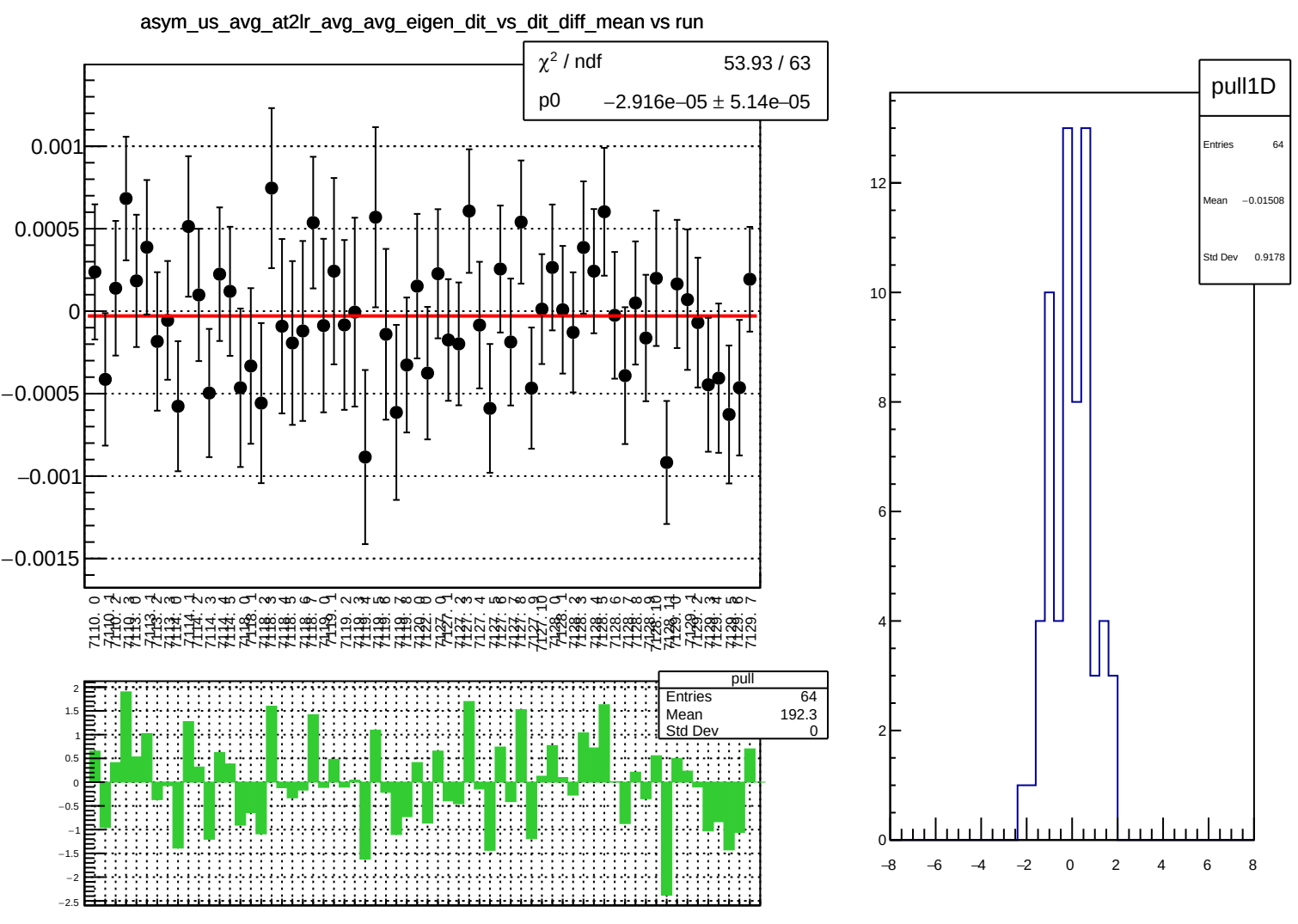

pull1D
Entries 64
Mean −0.02096
Std Dev 0.8434

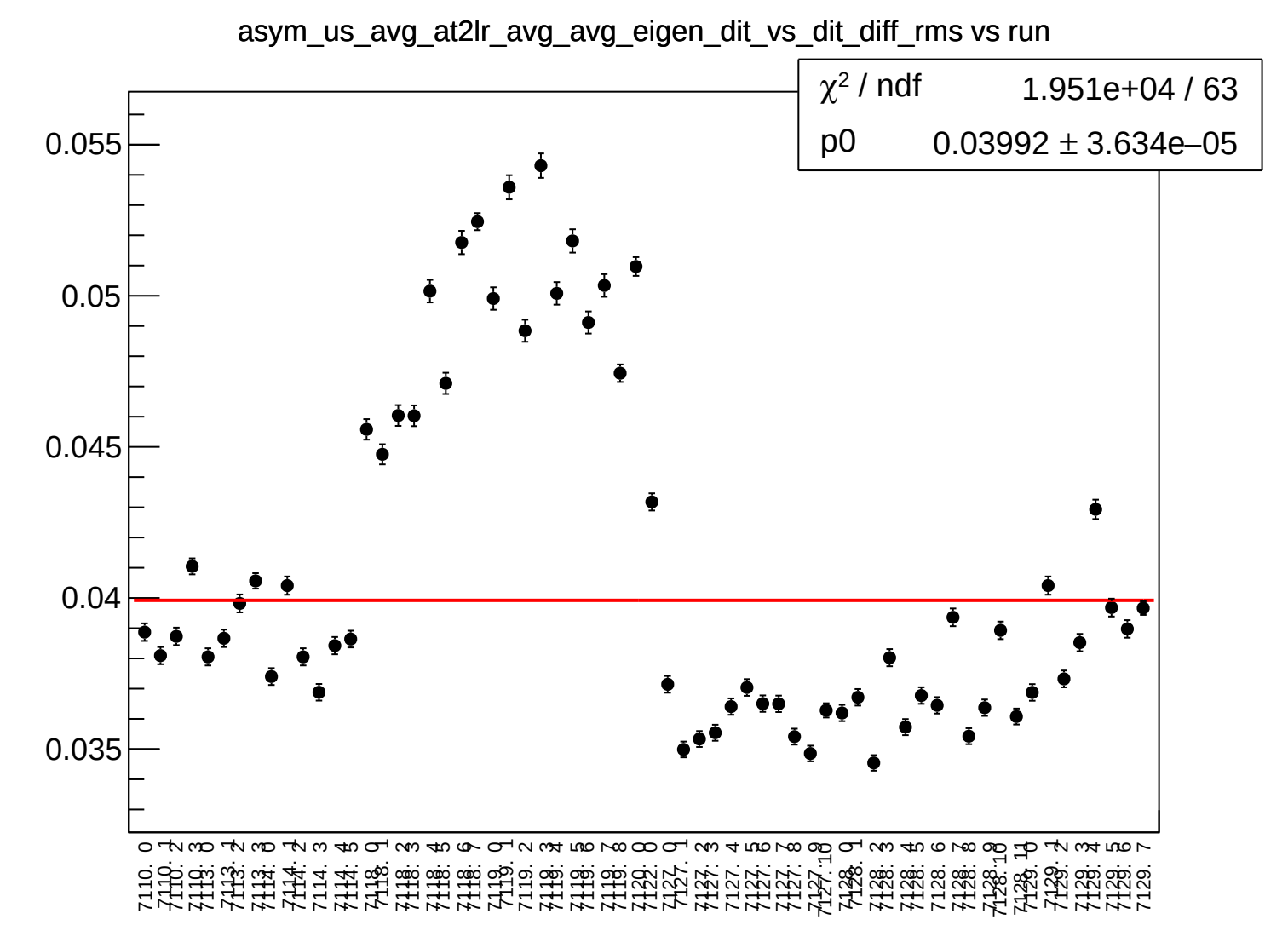

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.698e+04 / 63
p0 634.1 ± 0.589
1600
1400
1200
1000
800
600
400

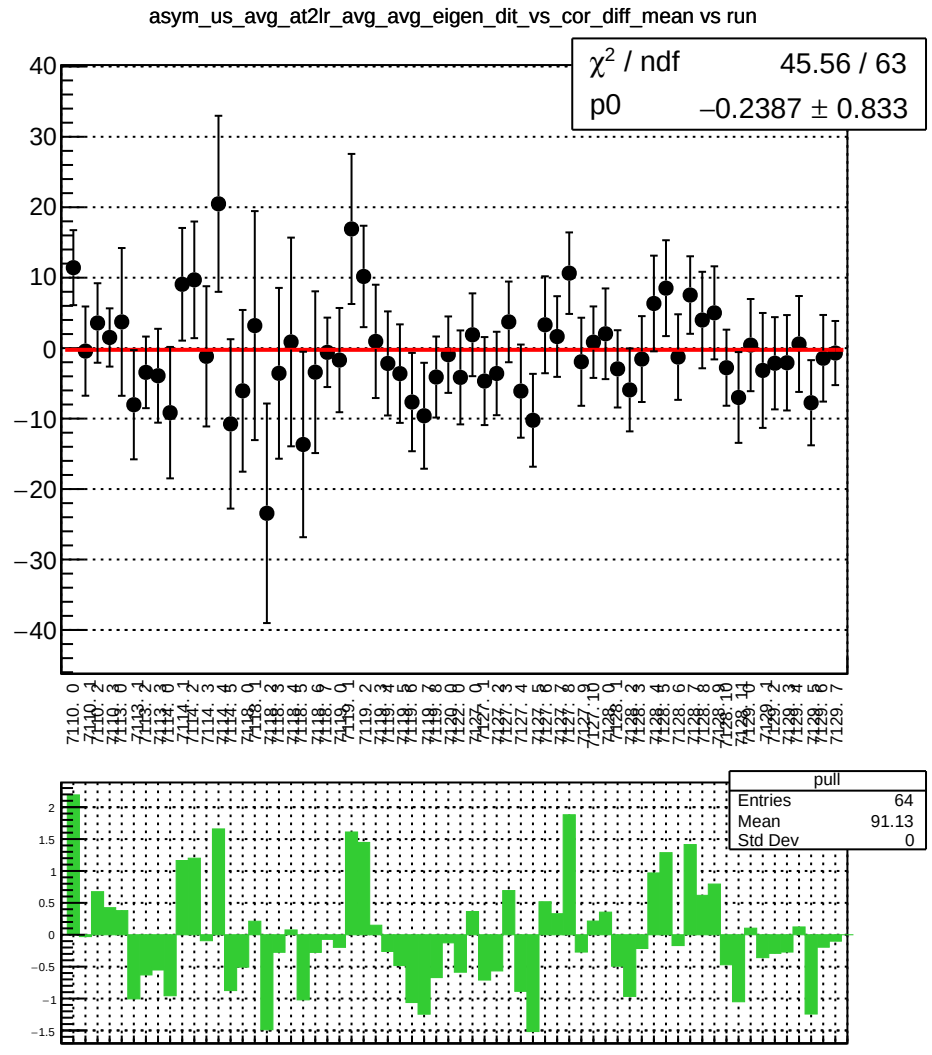

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.56 / 63
p0 −0.2387 ± 0.8329
pull
Entries 64
Mean 91.13
Std Dev 0

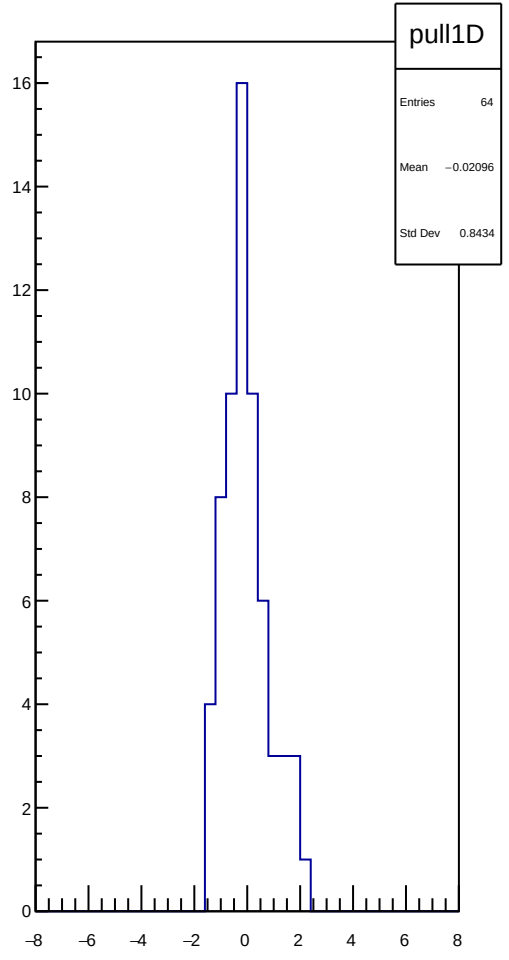

pull1D
Entries 64
Mean −0.02096
Std Dev 0.8434

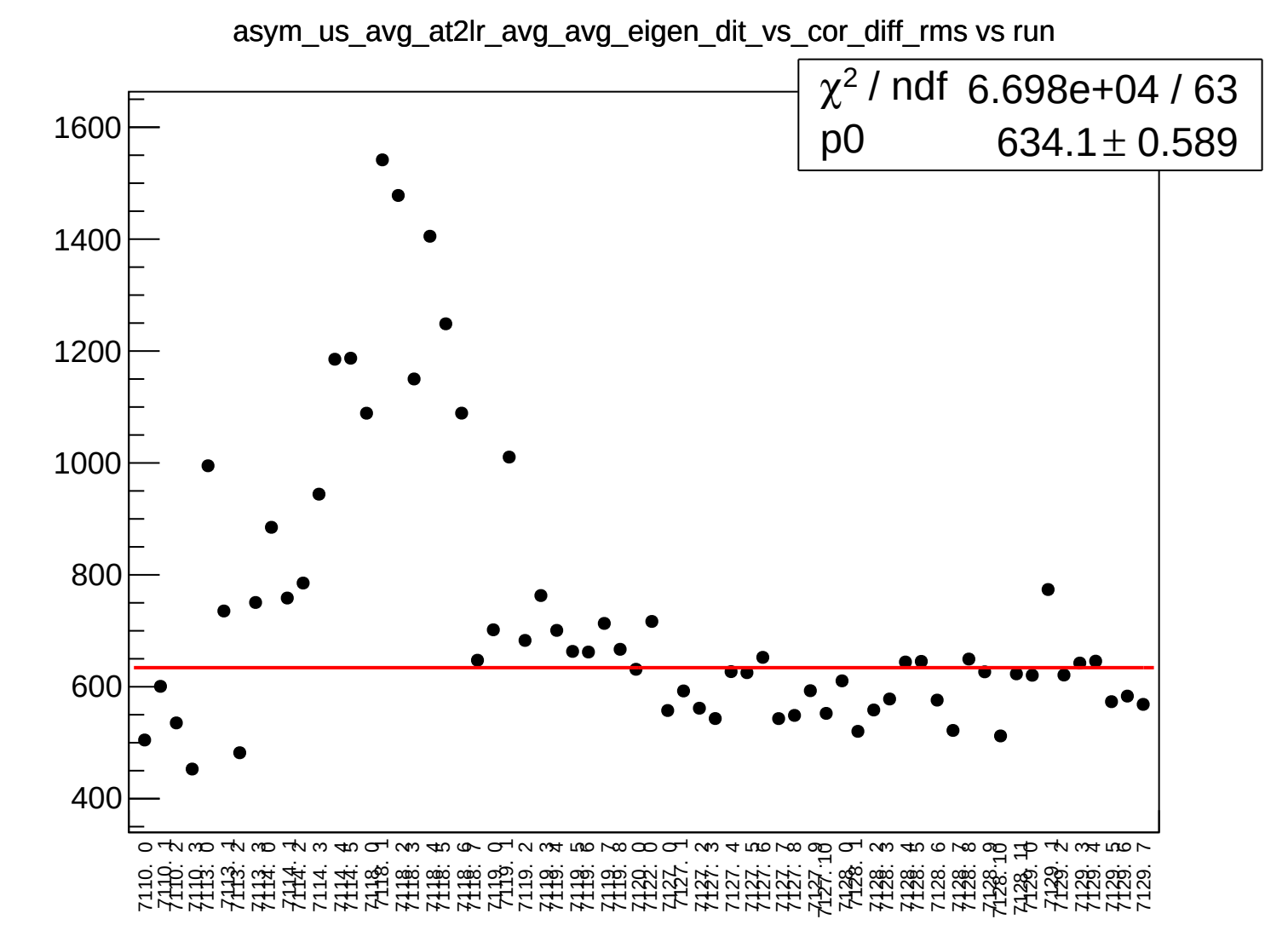

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.698e+04 / 63
p0 634.1 ± 0.589
1600
1400
1200
1000
800
600
400

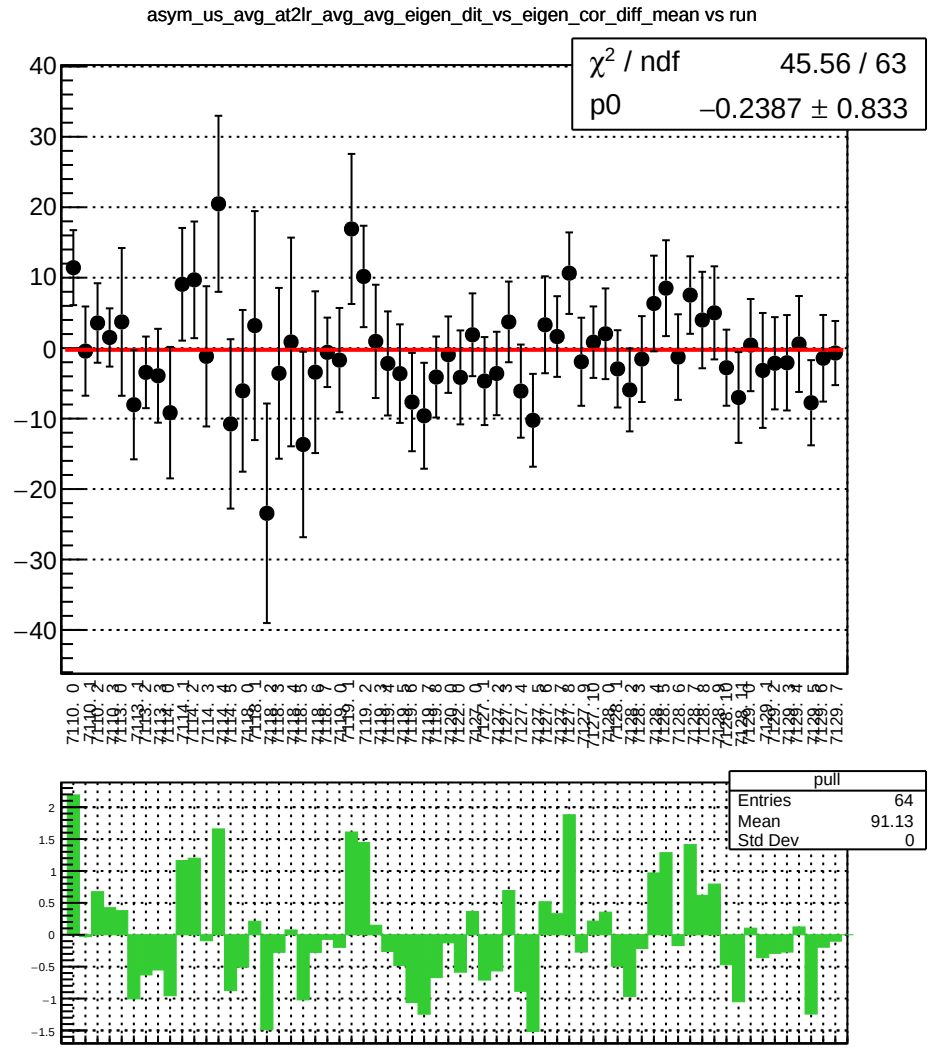

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.93 / 63
p0 −2.916e−05 ± 5.14e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 64
Mean 192.3
Std Dev 0
pull1D
Entries 64
Mean −0.01508
Std Dev 0.9178
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

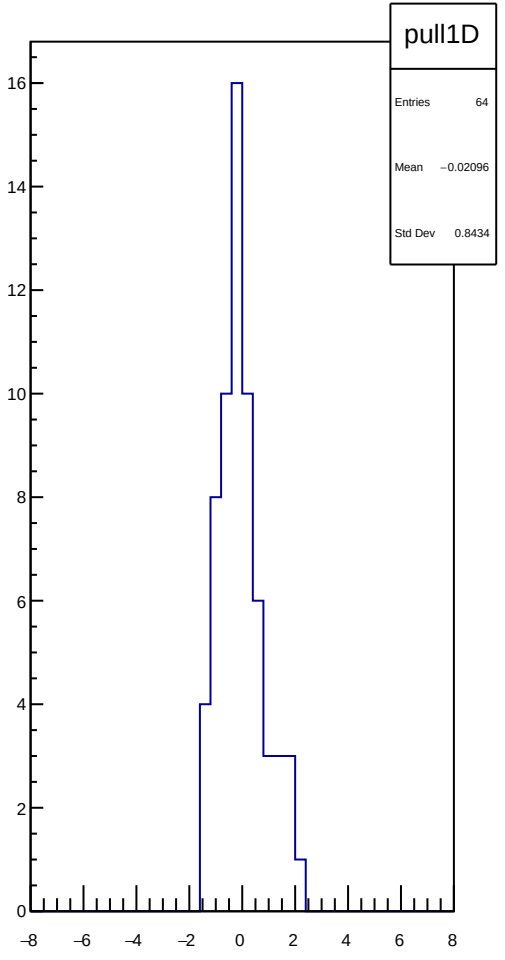

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.951e+04 / 63
p0 0.03992 ± 3.634e–05
0.055
0.05
0.045
0.04
0.035

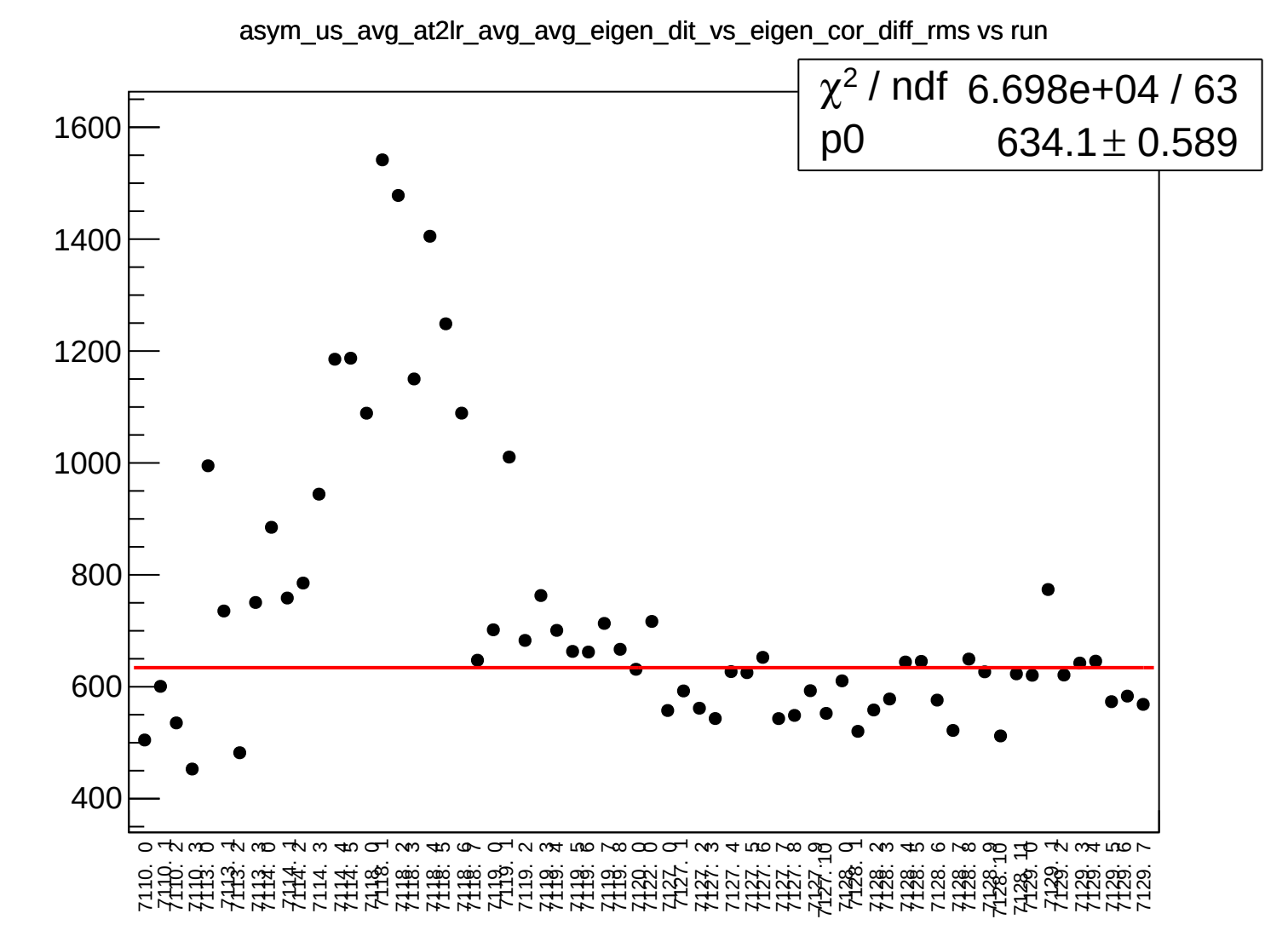

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.56 / 63
p0 −0.2387 ± 0.833
pull
Entries 64
Mean 91.13
Std Dev 0

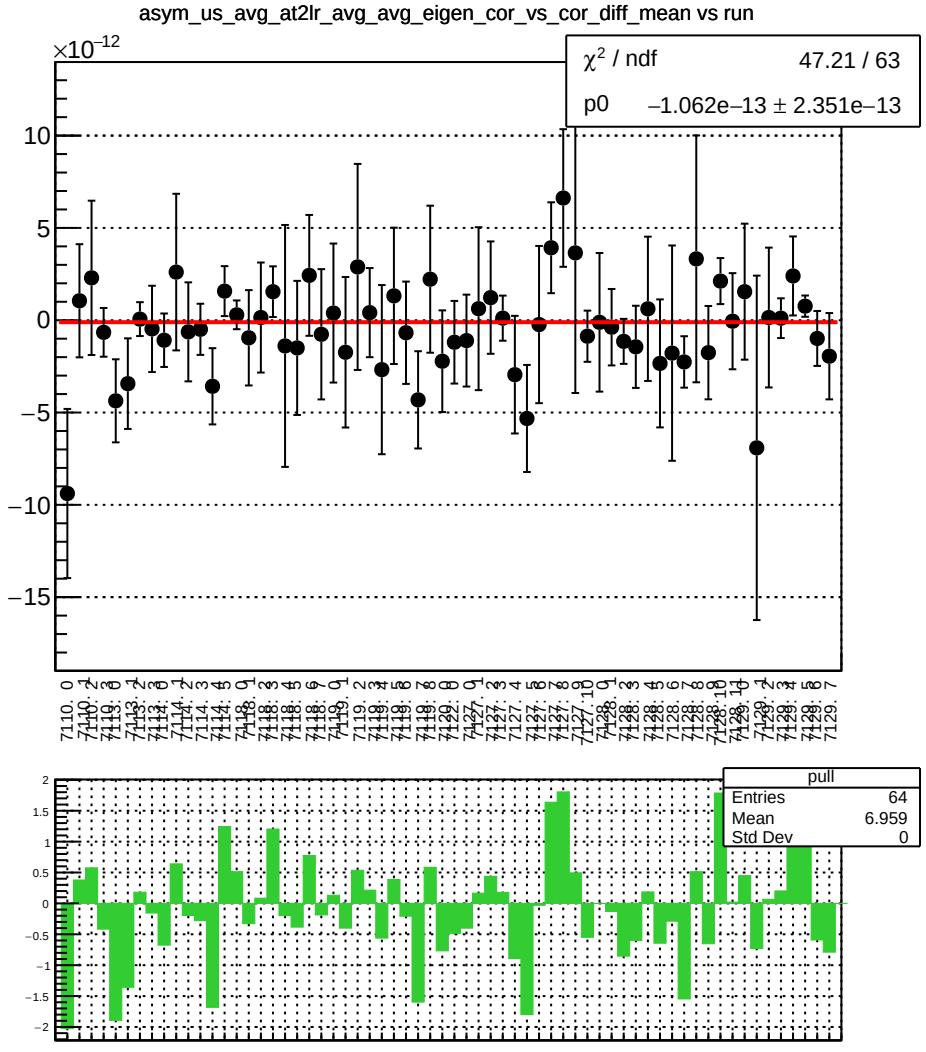

pull1D
Entries 64
Mean −0.02096
Std Dev 0.8434

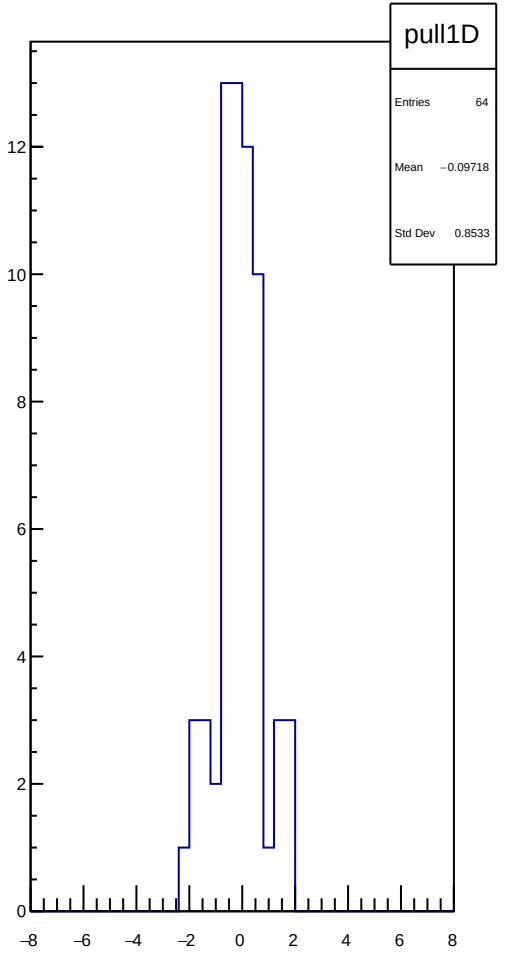

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.698e+04 / 63
p0 634.1 ± 0.589
1600
1400
1200
1000
800
600
400

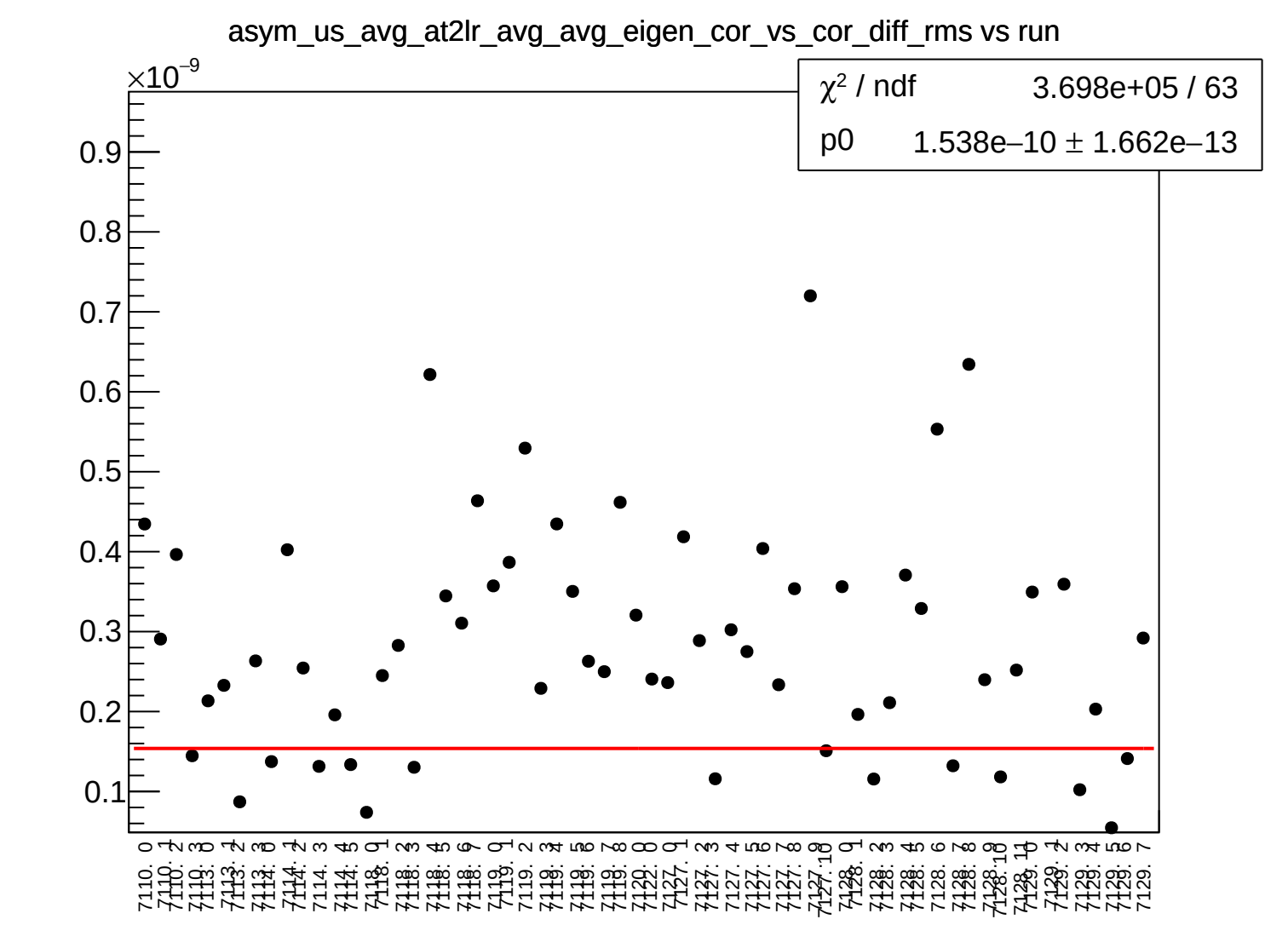

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.56 / 63
p0 −0.2387 ± 0.833
pull
Entries 64
Mean 91.13
Std Dev 0

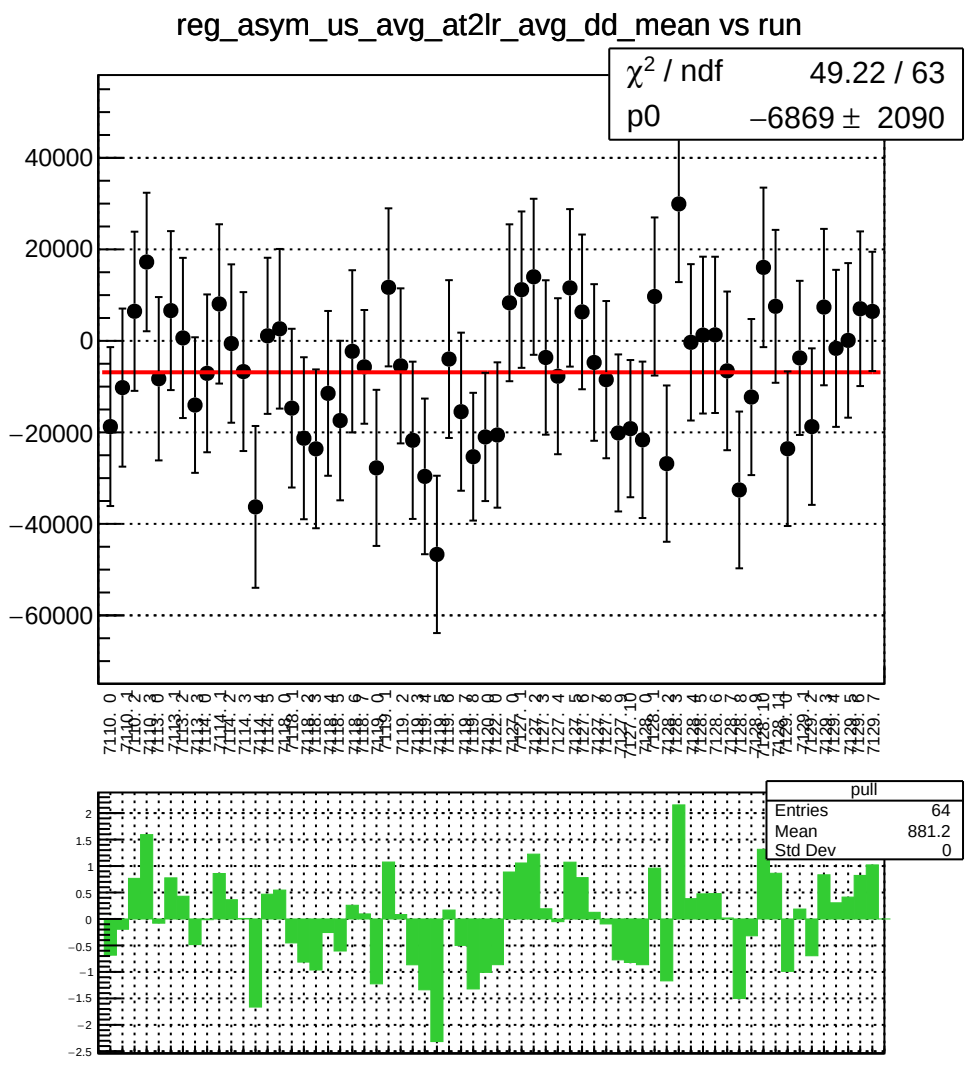

pull1D
Entries 64
Mean −0.02096
Std Dev 0.8434

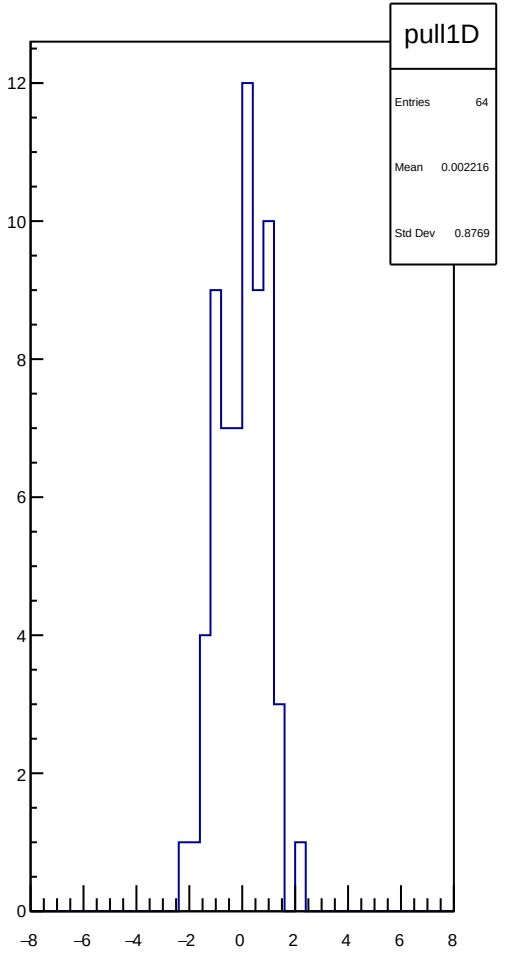

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.698e+04 / 63
p0 634.1 ± 0.589
1600
1400
1200
1000
800
600
400

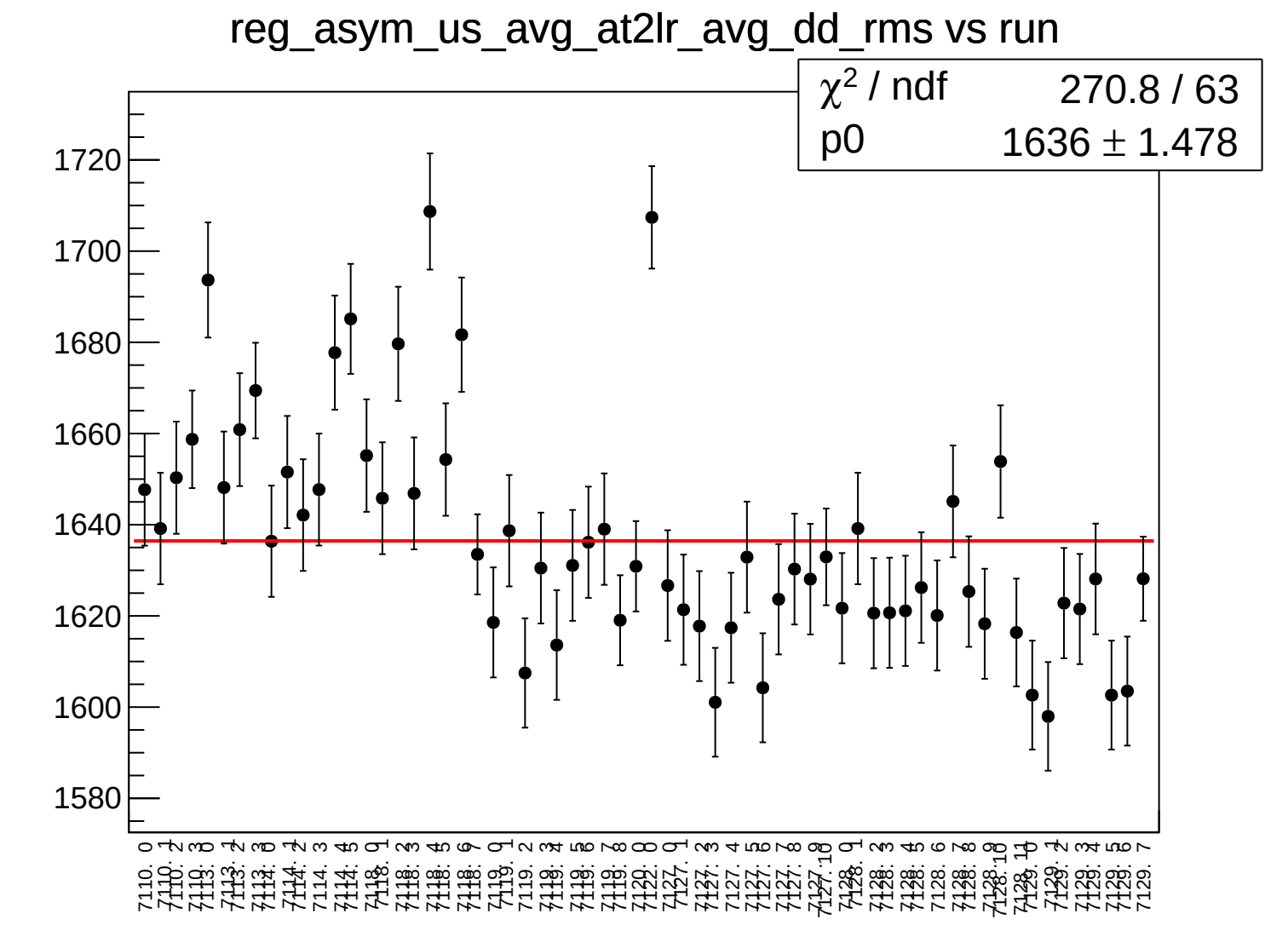

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.21 / 63
p0 −1.062e−13 ± 2.351e−13
pull
Entries 64
Mean 6.959
Std Dev 0

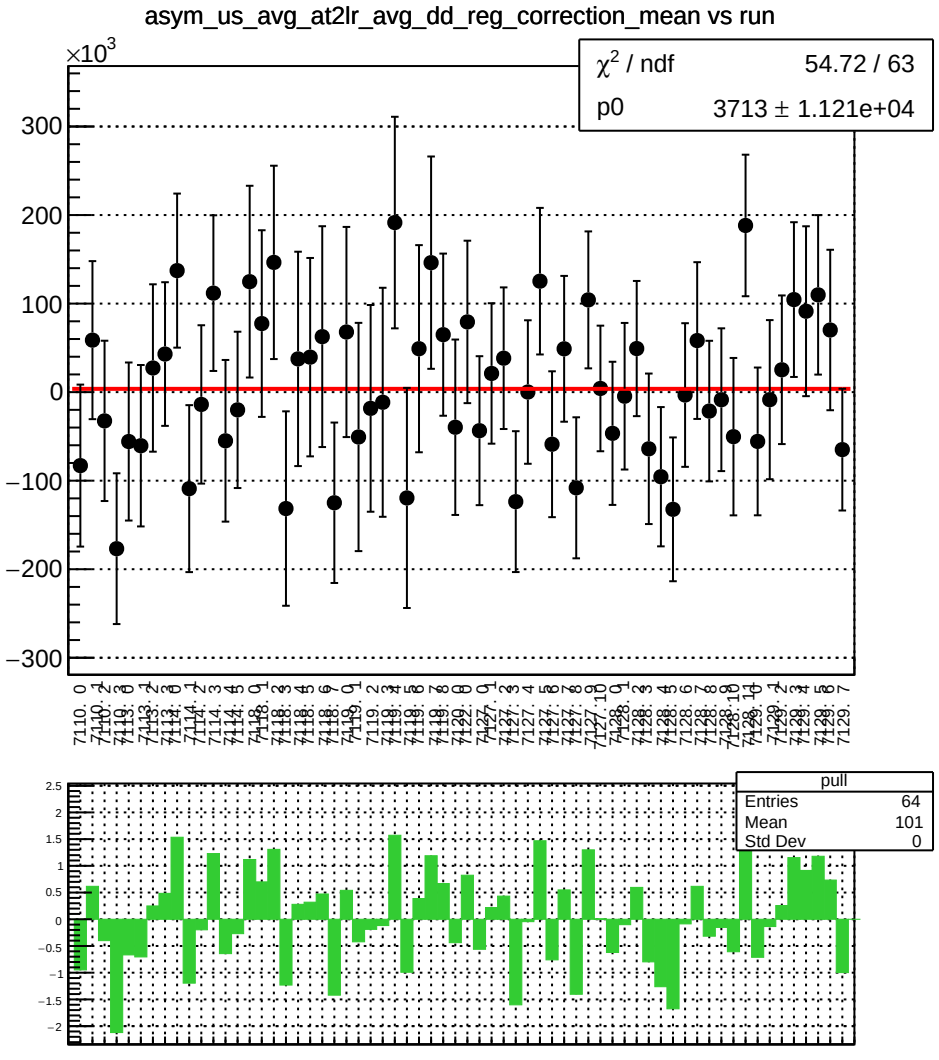

pull1D
Entries 64
Mean −0.09718
Std Dev 0.8533

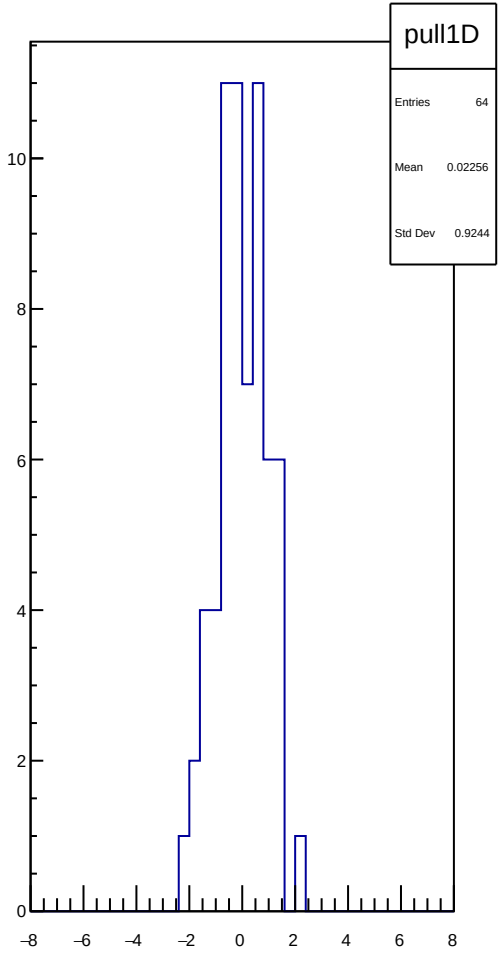

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.698e+05 / 63
p0 1.538e−10 ± 1.662e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

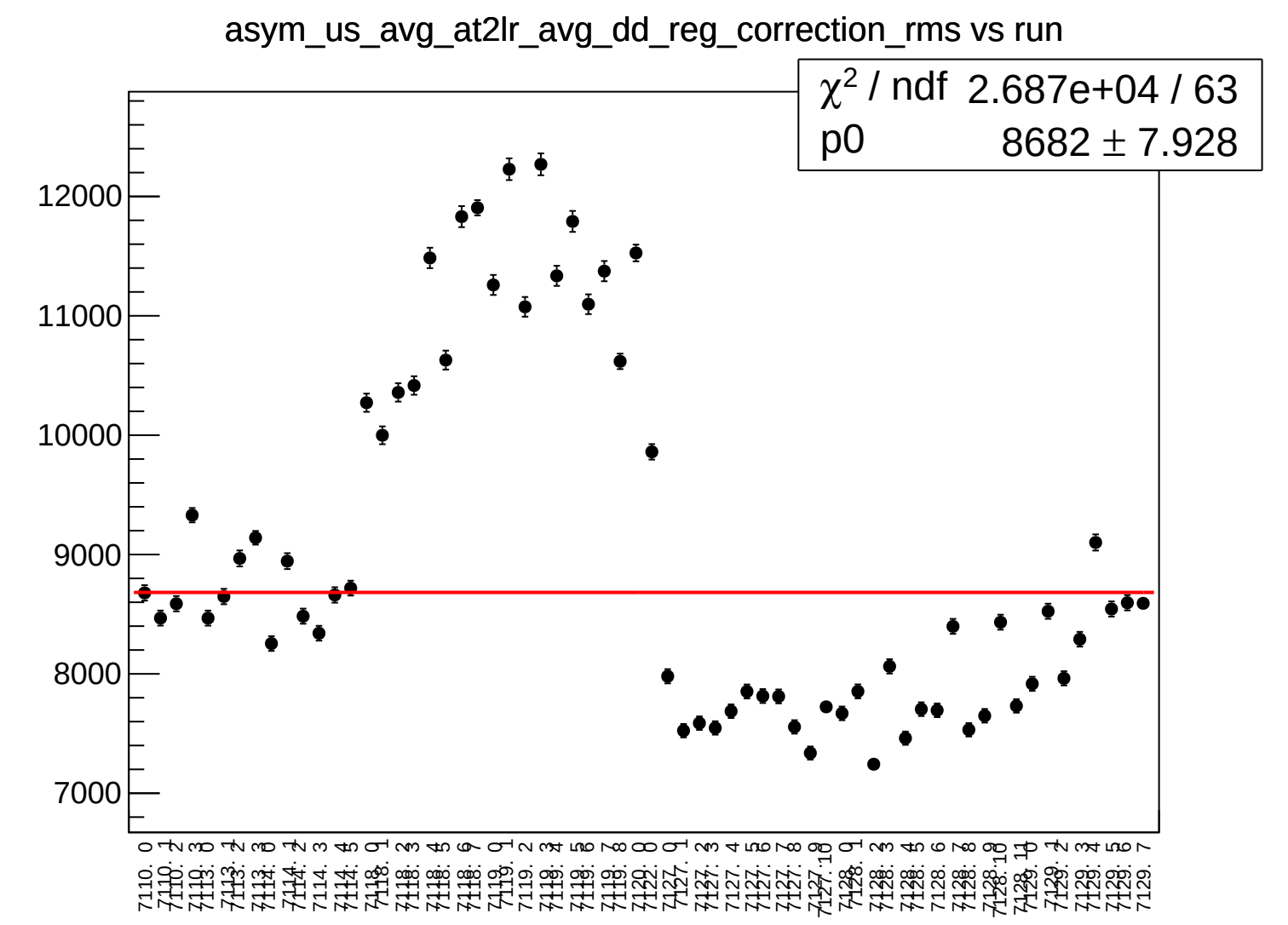

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.22 / 63
p0 −6869 ± 2090
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 881.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

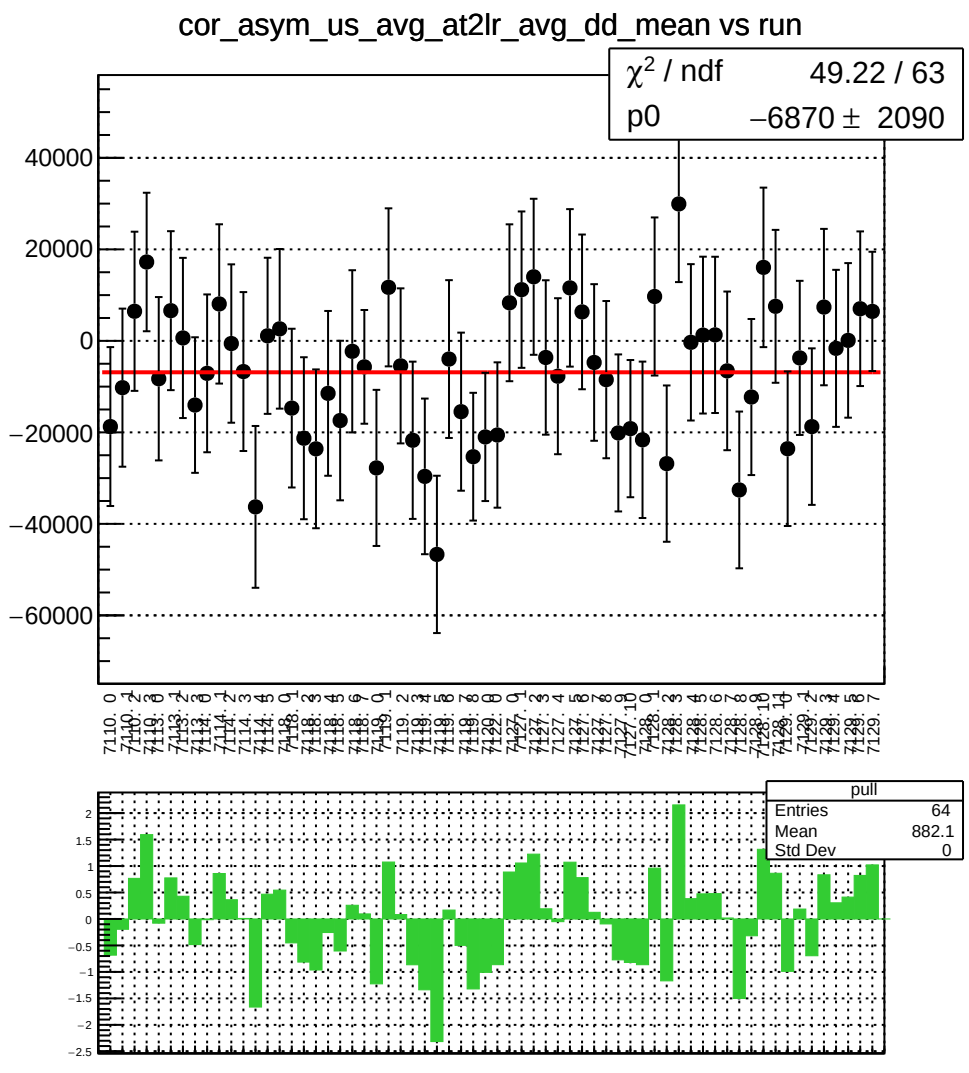

pull1D
Entries 64
Mean 0.002216
Std Dev 0.8769
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

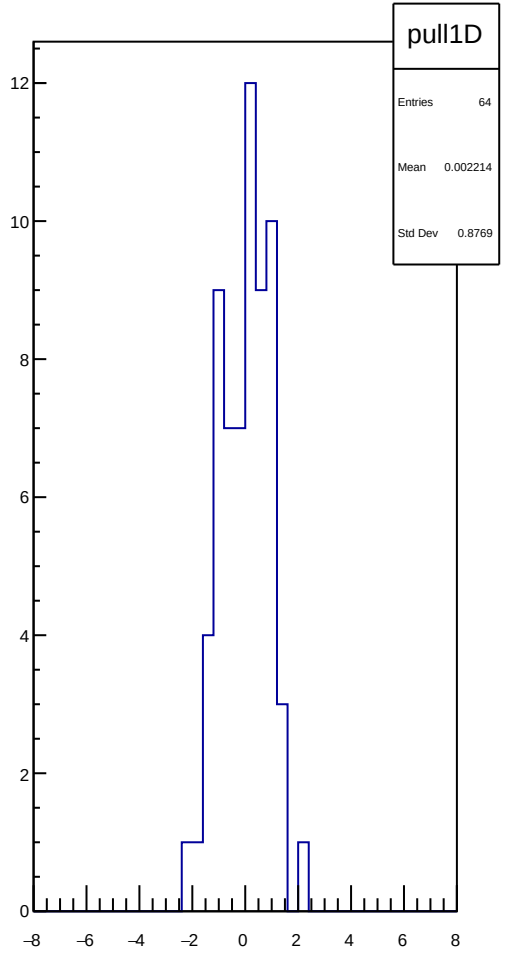

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ^2 / ndf 270.8 / 63
p0 1636 ± 1.478
1720
1700
1680
1660
1640
1620
1600
1580


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.72 / 63
p0 3713 ± 1.121e+04
300
200
100
0
−100
−200
−300
pull
Entries 64
Mean 101
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 64
Mean 0.02256
Std Dev 0.9244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.687e+04 / 63
p0 8682 ± 7.928
12000
11000
10000
9000
8000
7000


cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.22 / 63
p0 −6870 ± 2090
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 882.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 64
Mean 0.002214
Std Dev 0.8769
12
10
8
6
4
2
0
−8
−6
−4
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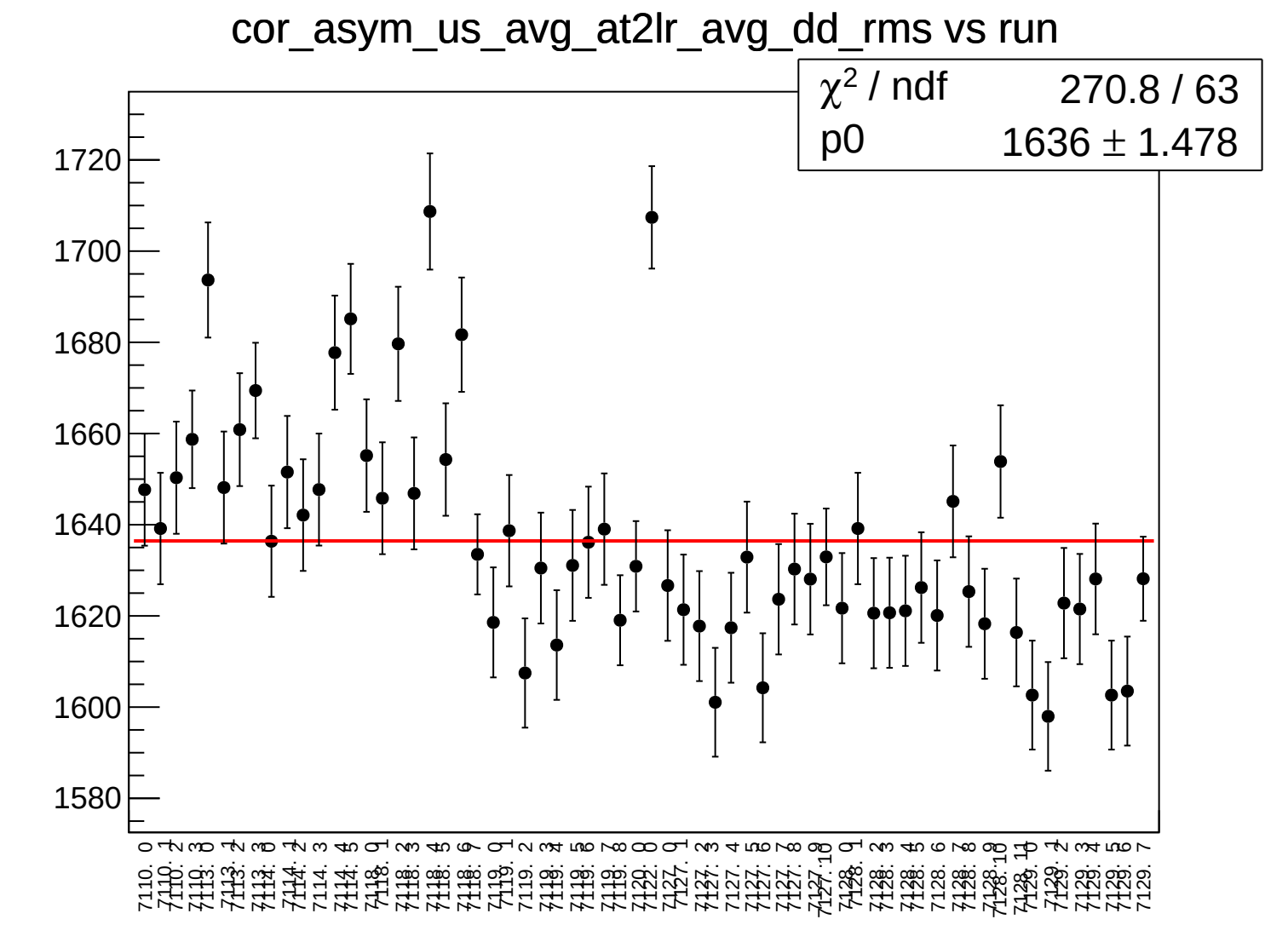
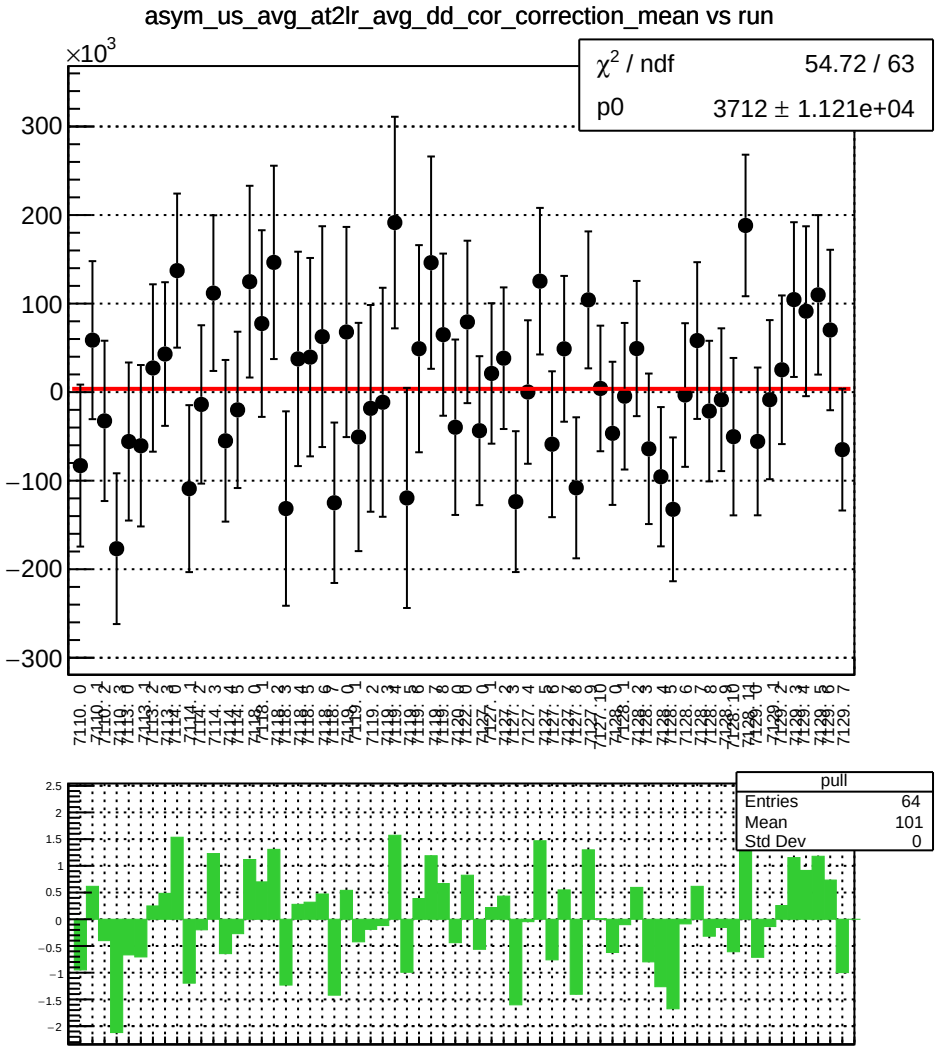
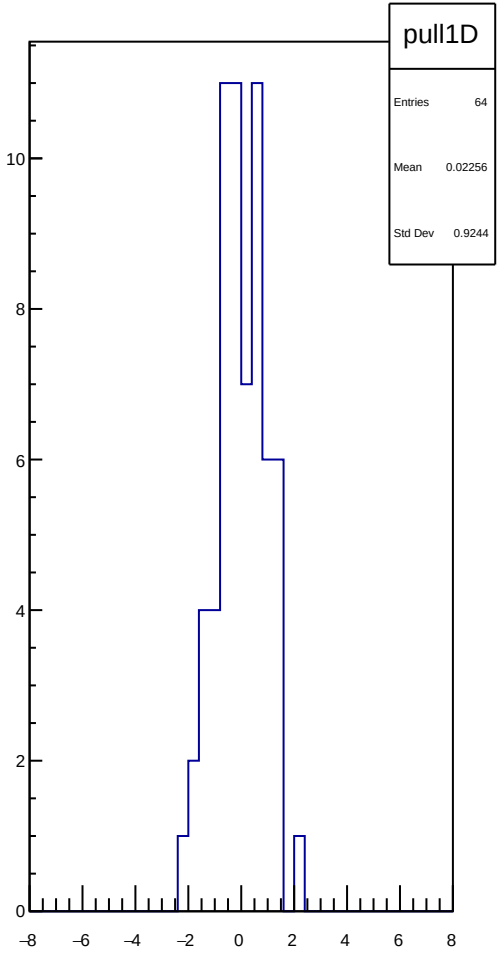
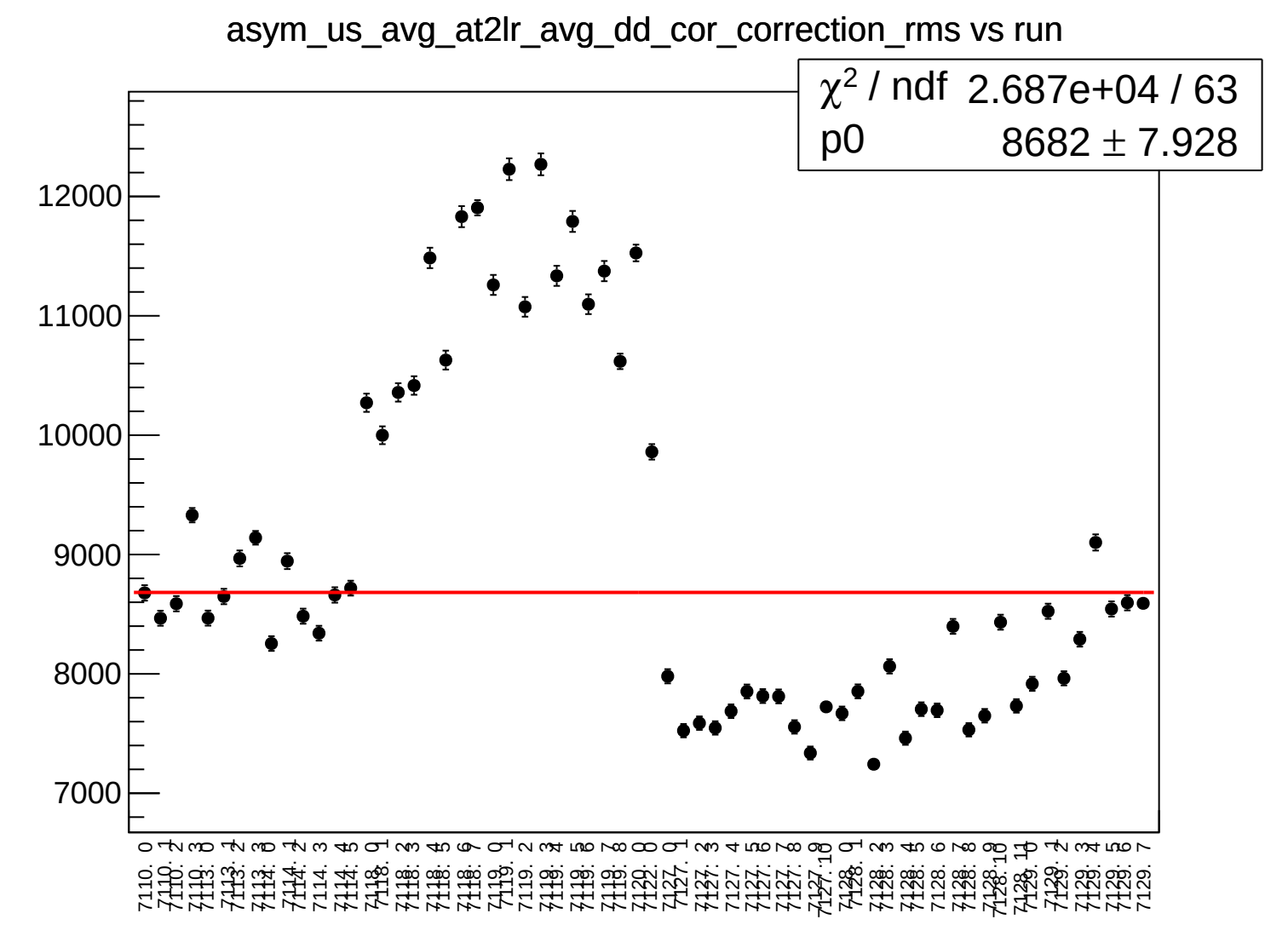
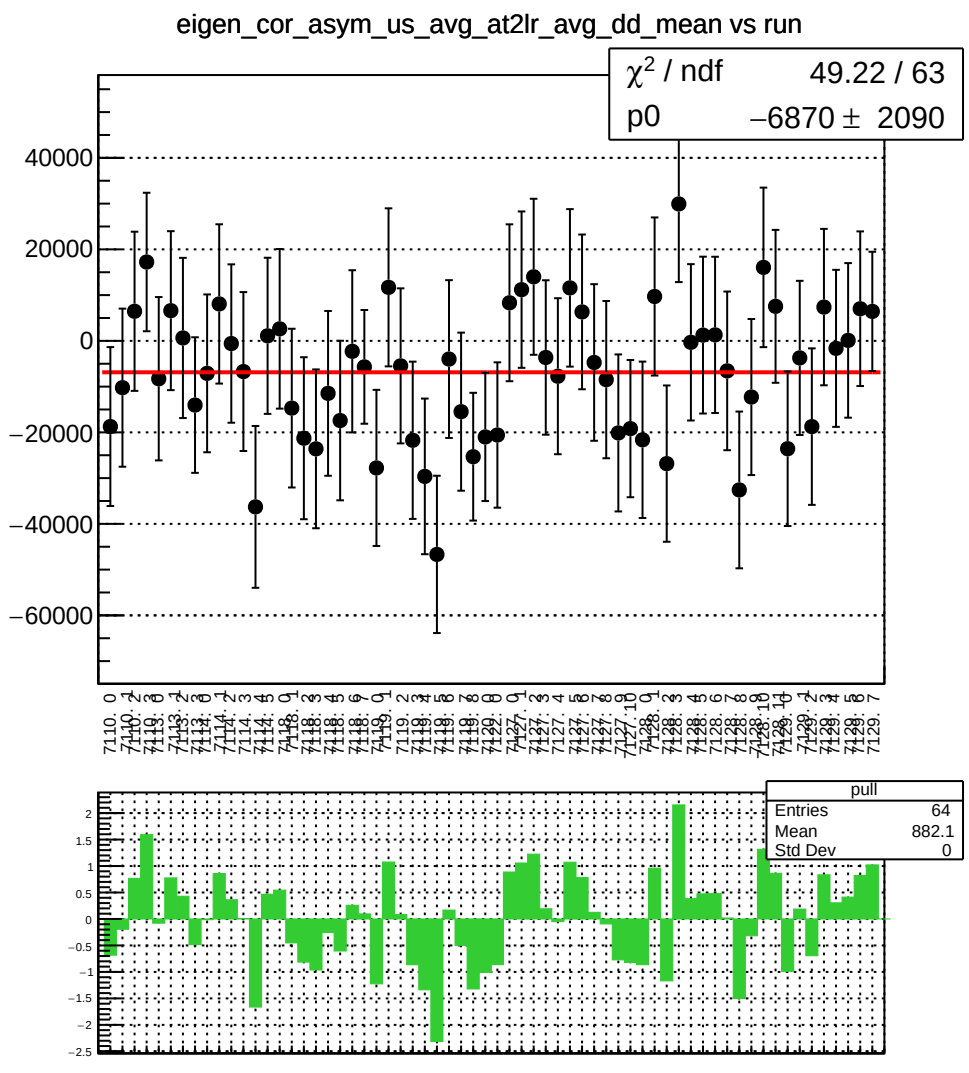
0
2
4
6
8

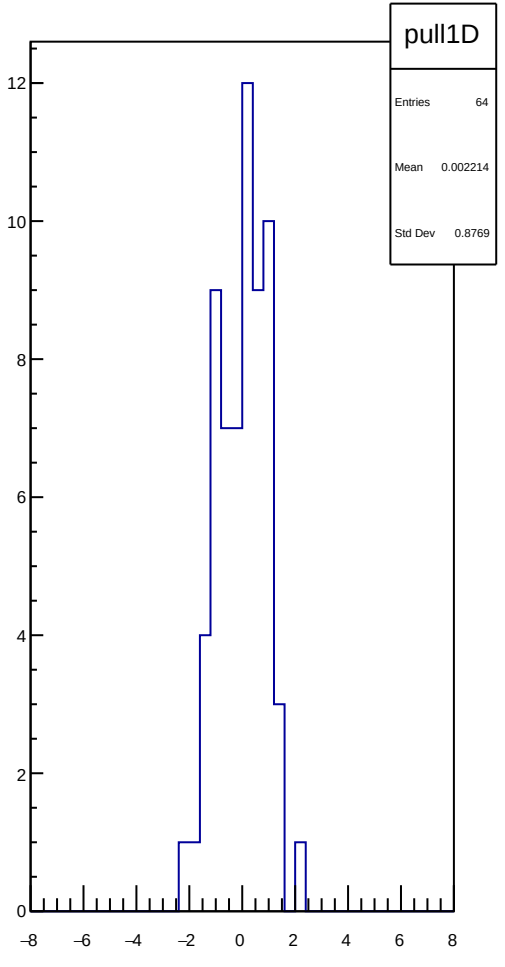

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 270.8 / 63
p0 1636 ± 1.478
1720
1700
1680
1660
1640
1620
1600
1580


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.72 / 63
p0 3712 ± 1.121e+04
pull
Entries 64
Mean 101
Std Dev 0


pull1D
Entries 64
Mean 0.02256
Std Dev 0.9244


asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ^2 / ndf 2.687e+04 / 63
p0 8682 ± 7.928
12000
11000
10000
9000
8000
7000


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.22 / 63
p0 −6870 ± 2090
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 882.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 64
Mean 0.002214
Std Dev 0.8769
12
10
8
6
4
2
0
−8
−6
−4
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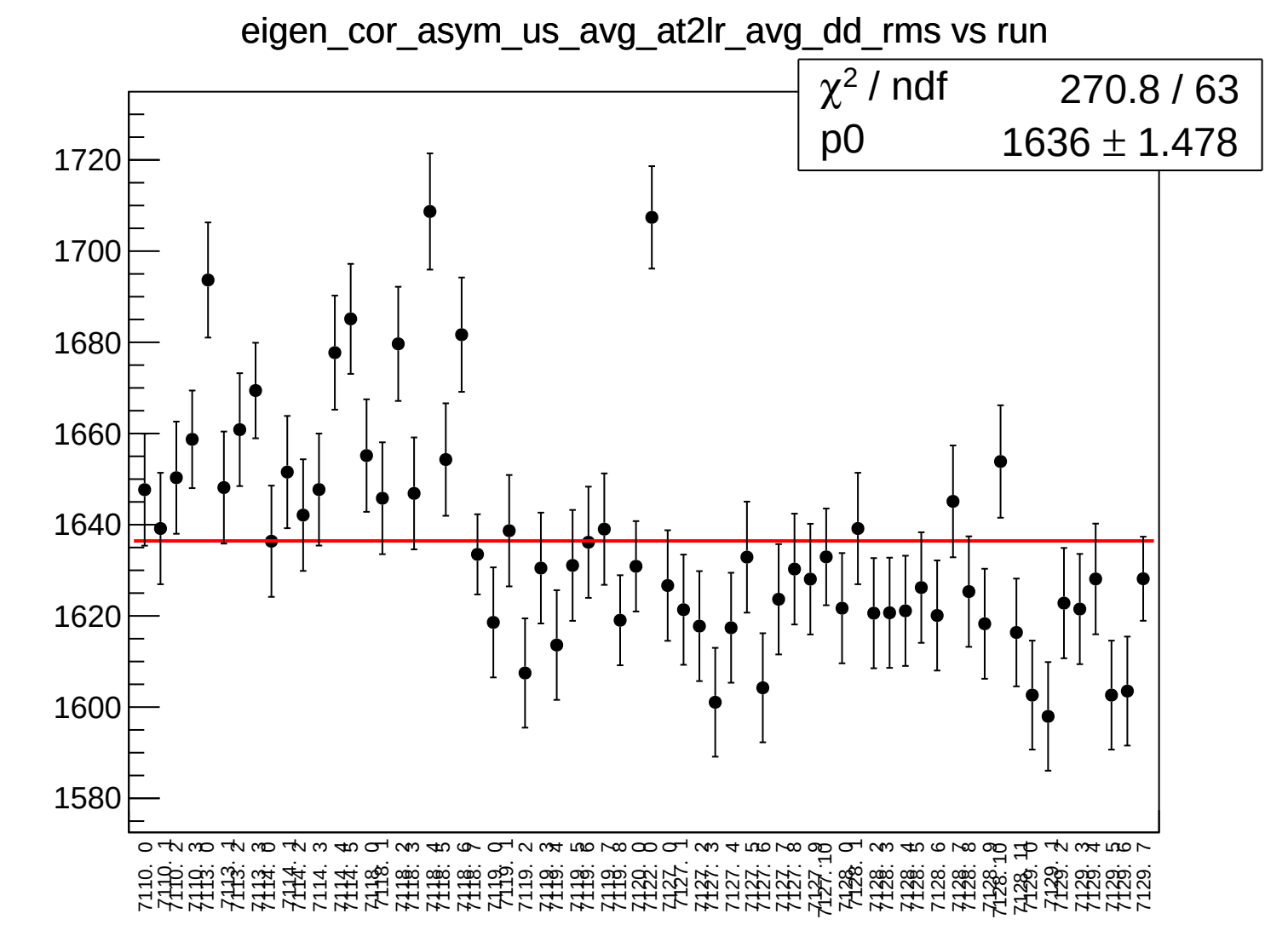
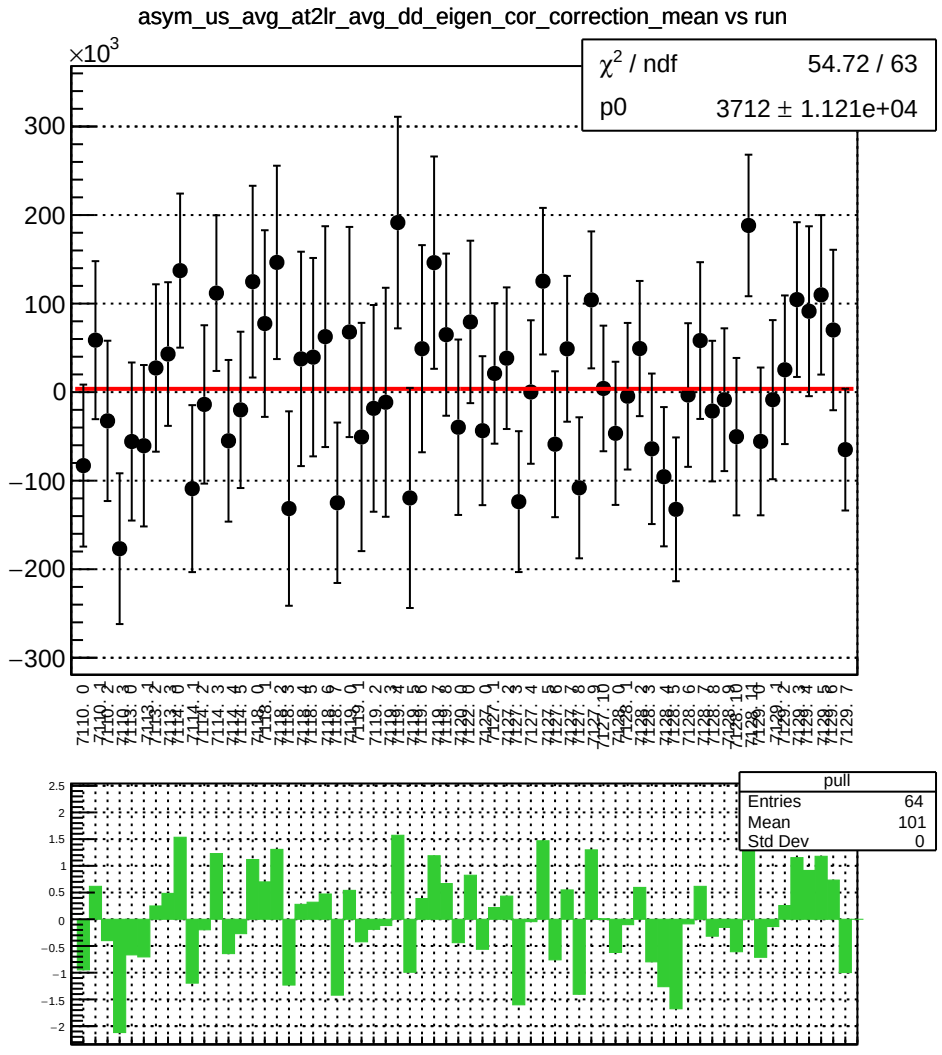
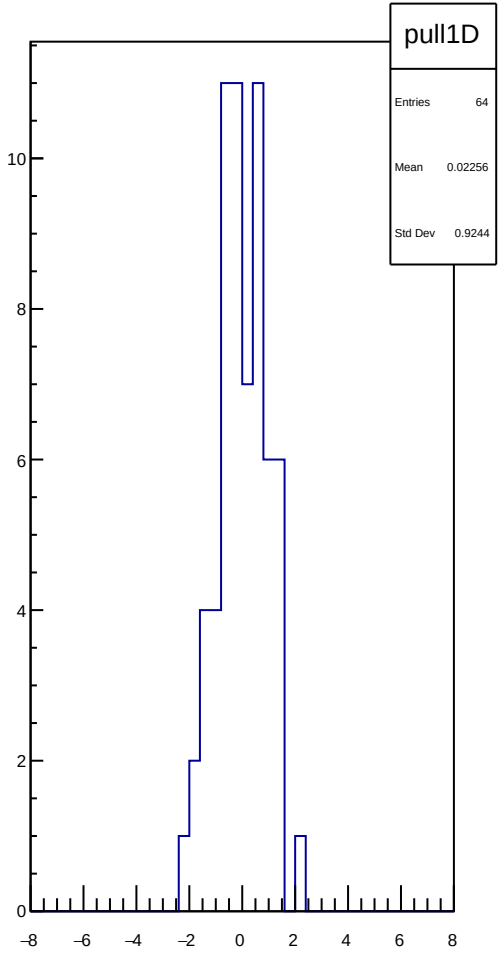
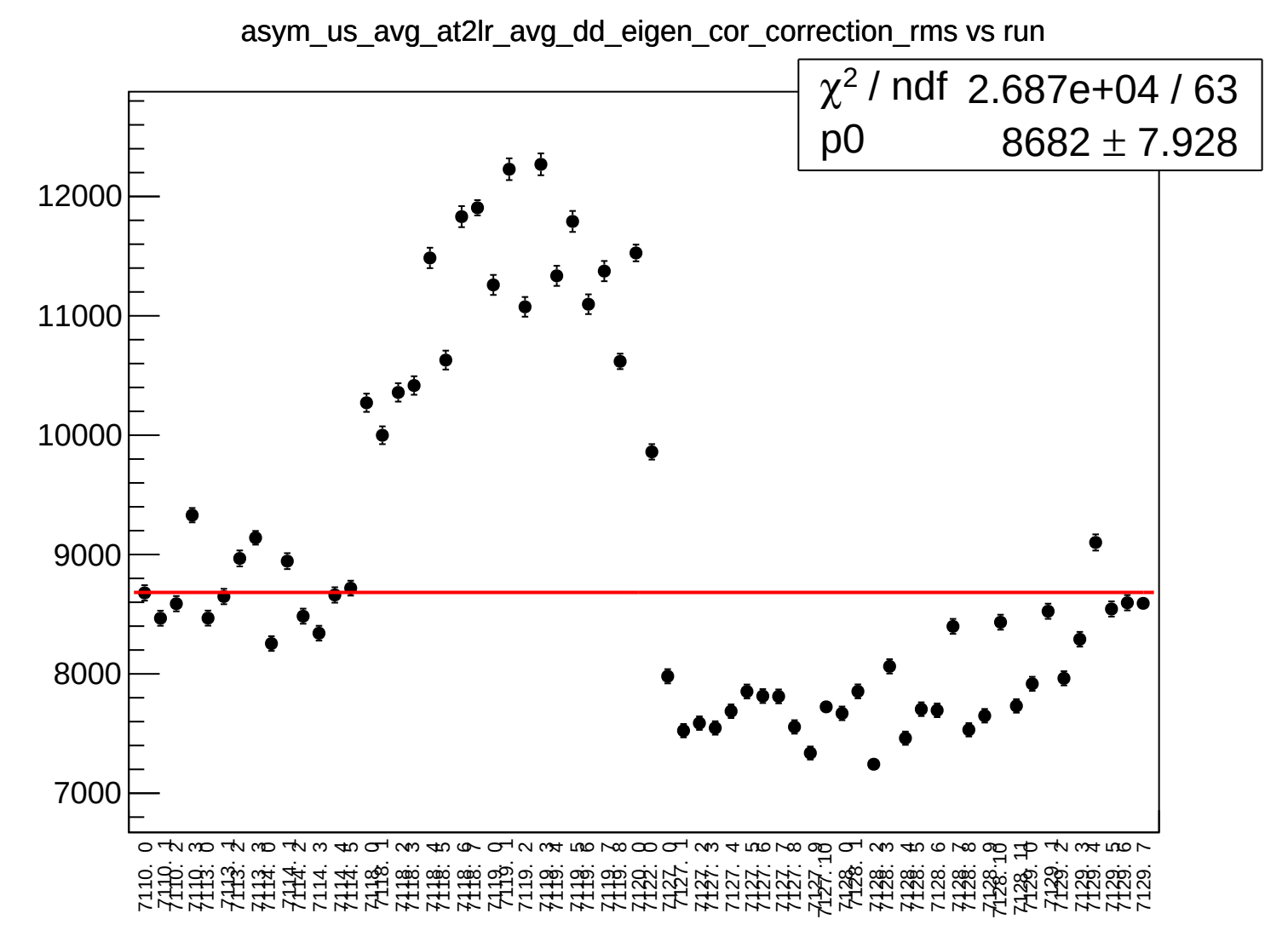
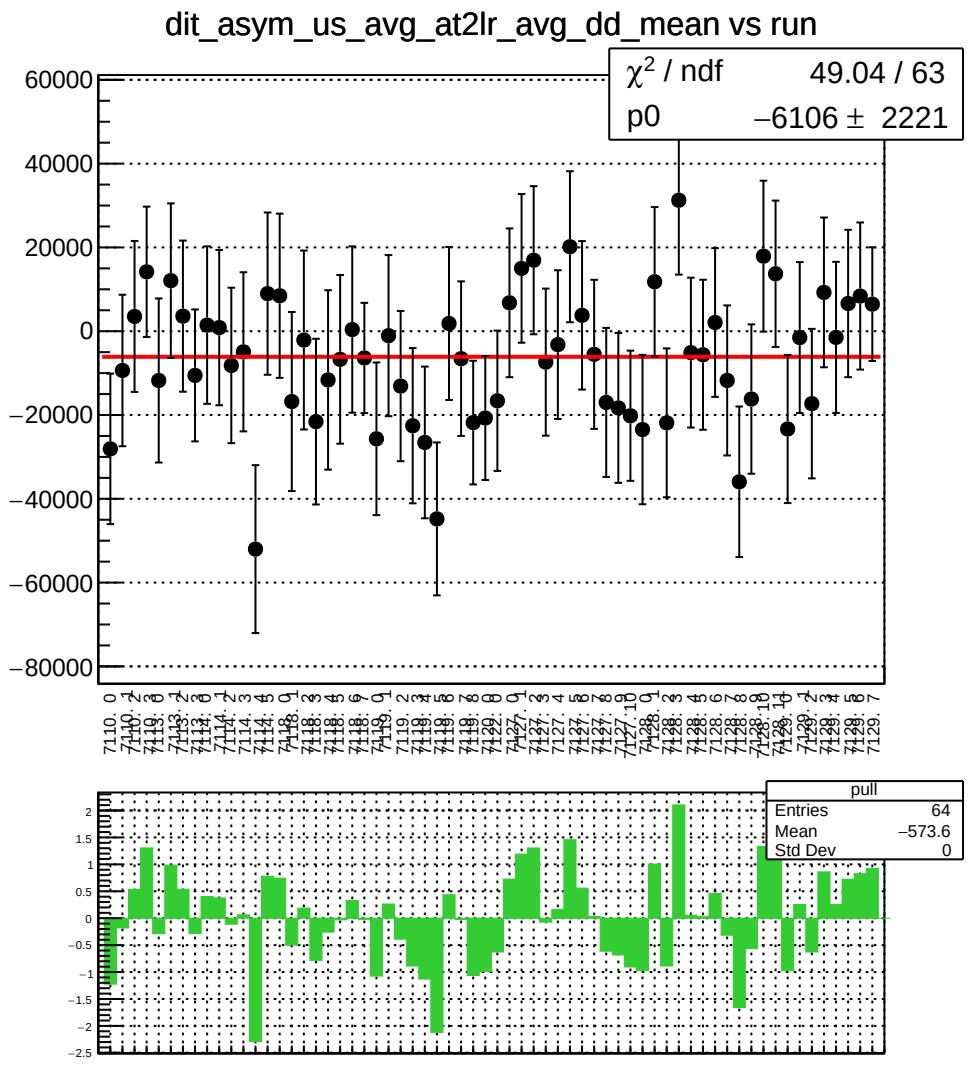
0
2
4
6
8

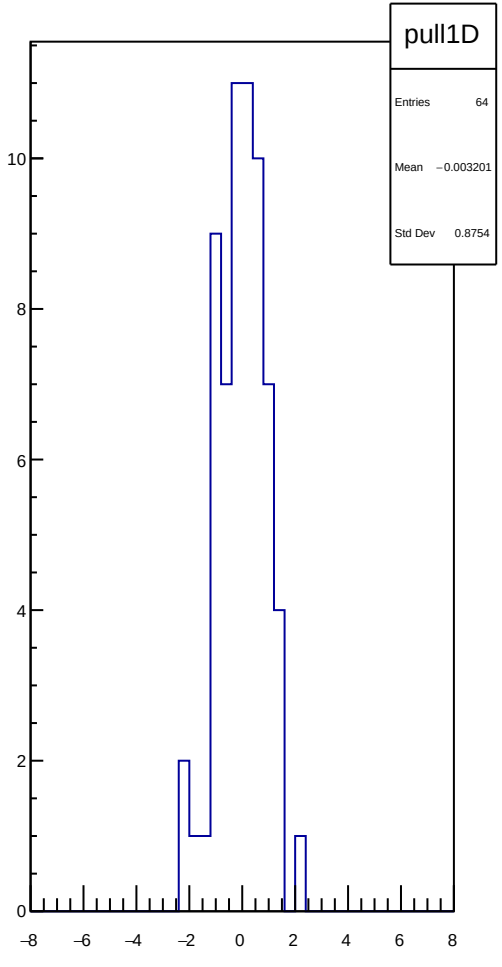

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 270.8 / 63
p0 1636 ± 1.478
1720
1700
1680
1660
1640
1620
1600
1580

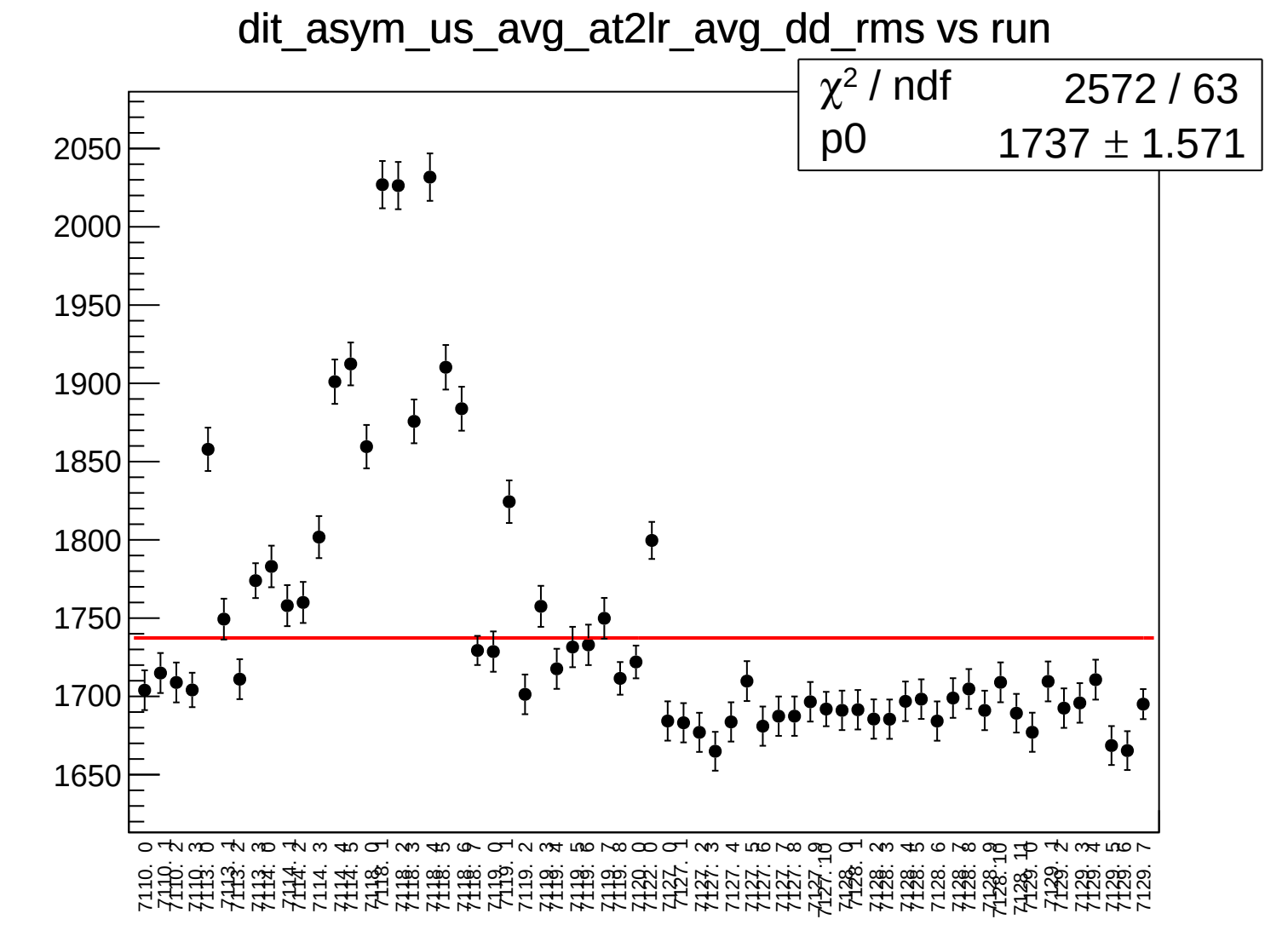

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.72 / 63
p0 3712 ± 1.121e+04
300
200
100
0
−100
−200
−300
pull
Entries 64
Mean 101
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

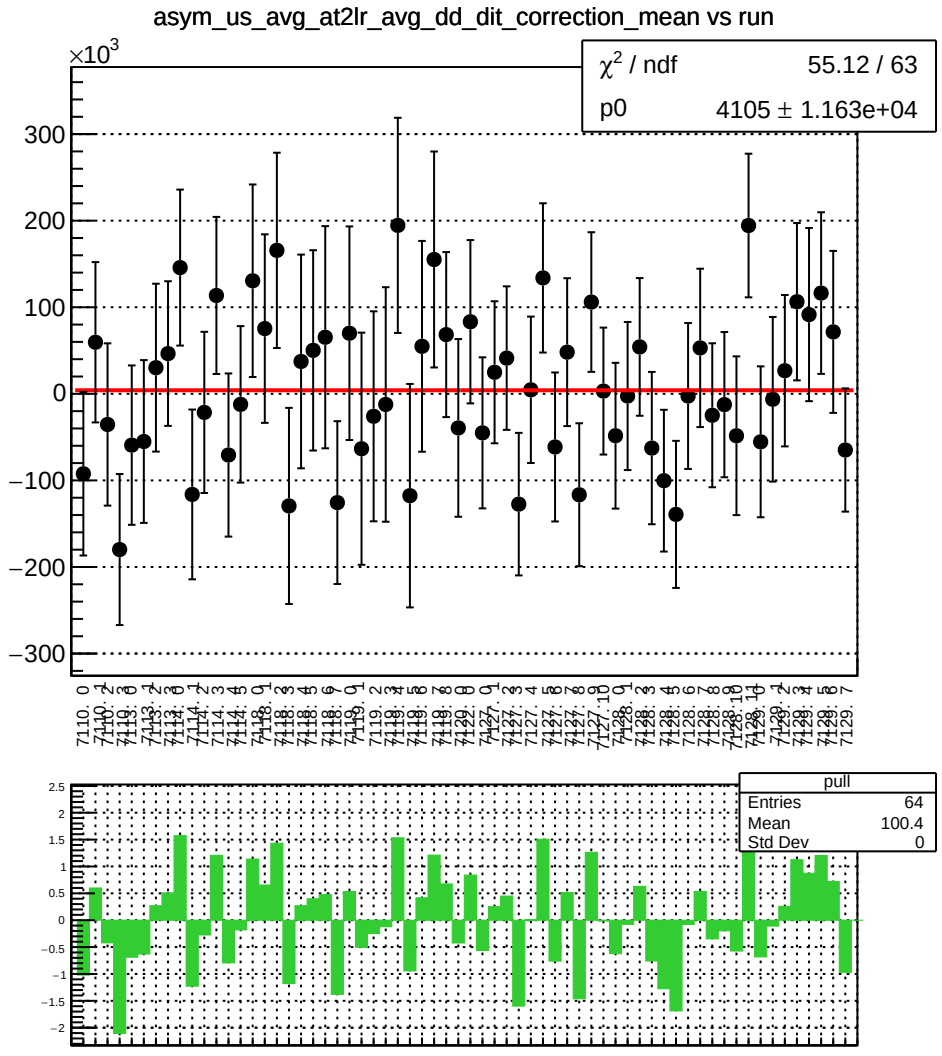

pull1D
Entries 64
Mean 0.02256
Std Dev 0.9244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

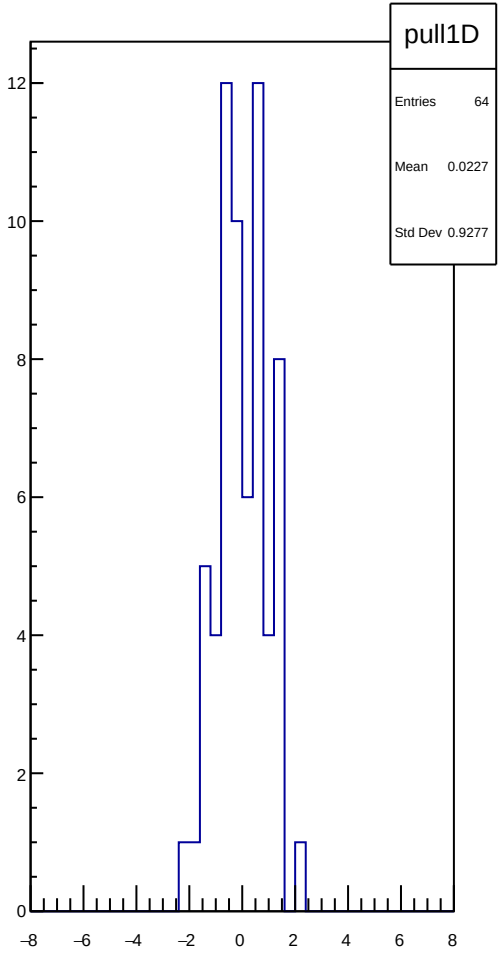

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.687e+04 / 63
p0 8682 ± 7.928
12000
11000
10000
9000
8000
7000

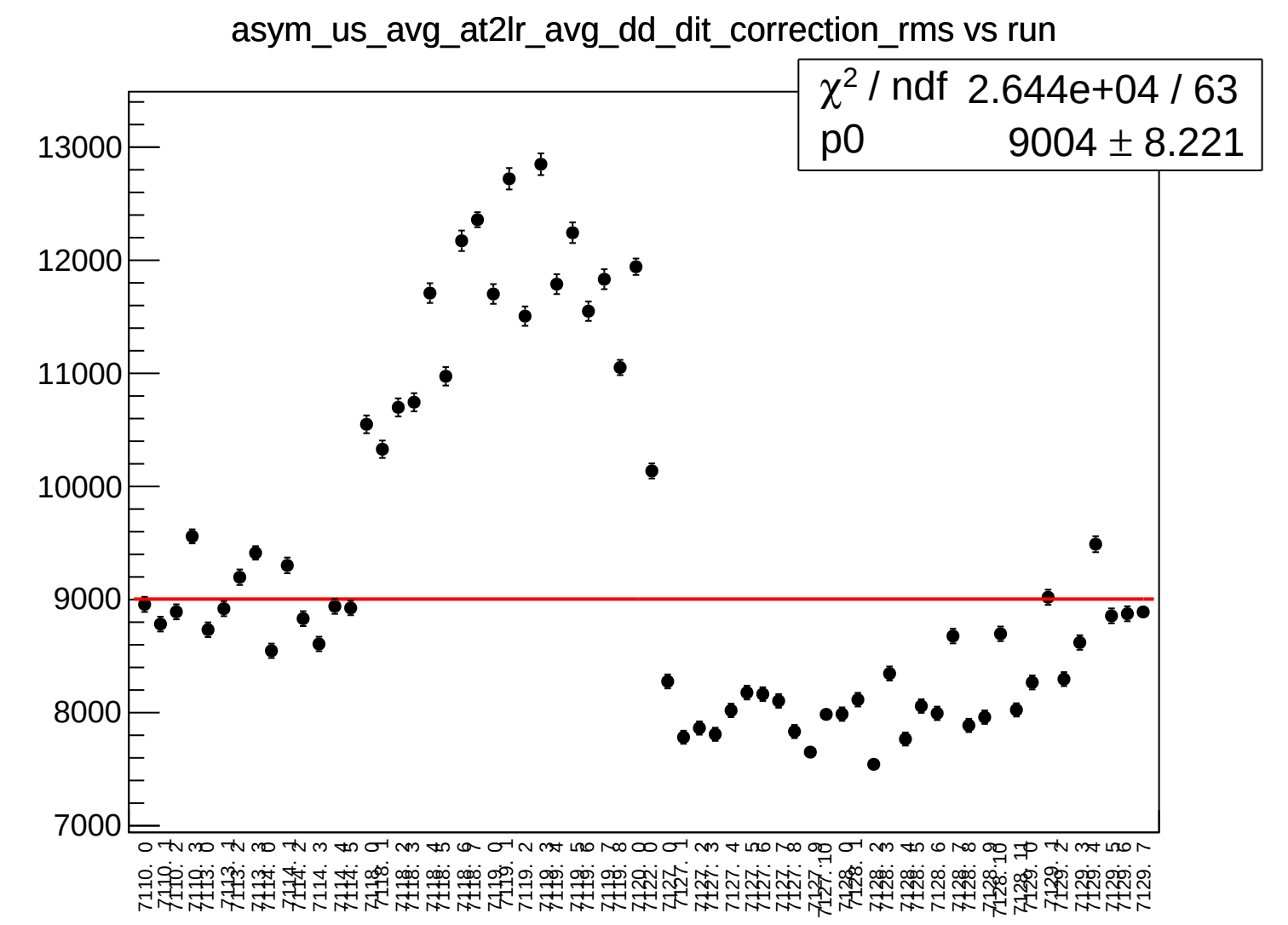

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.04 / 63
p0 −6106 ± 2221
pull
Entries 64
Mean −573.6
Std Dev 0

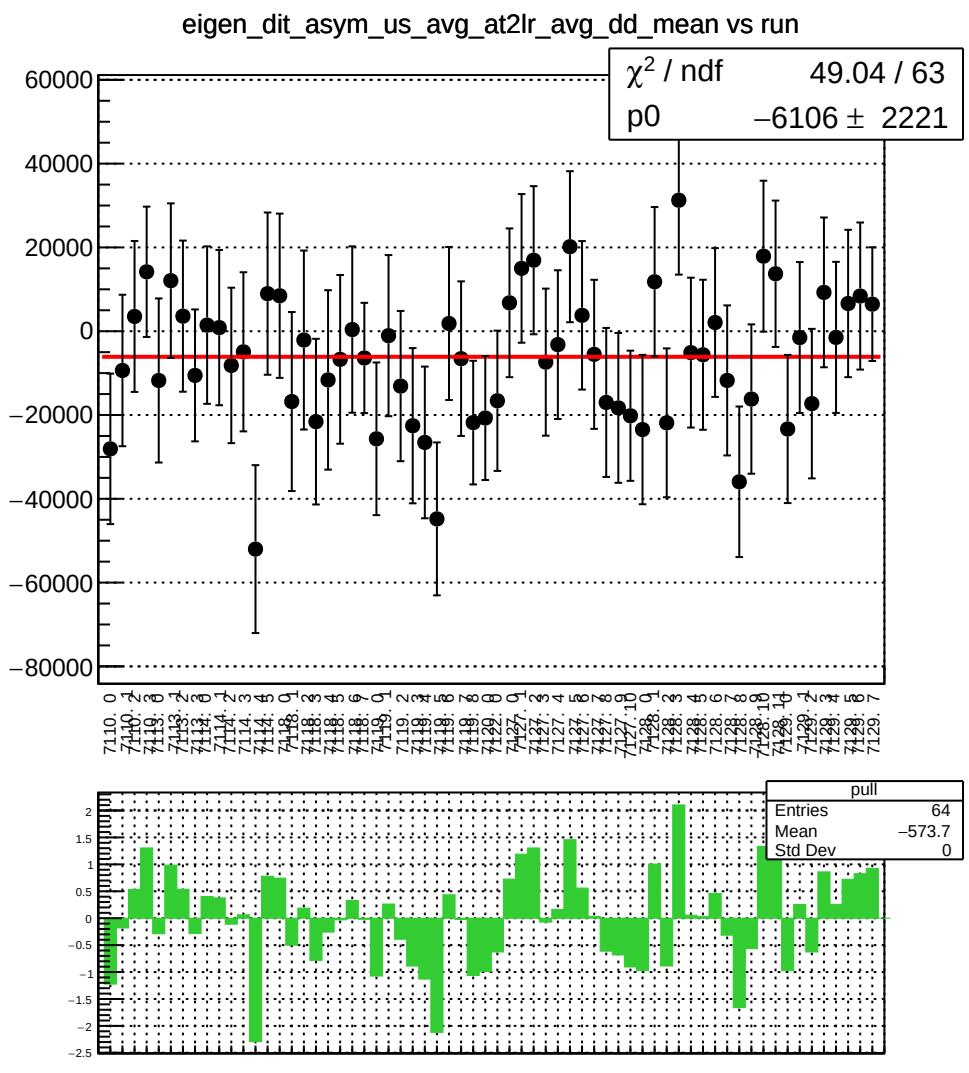

pull1D
Entries 64
Mean −0.003201
Std Dev 0.8754

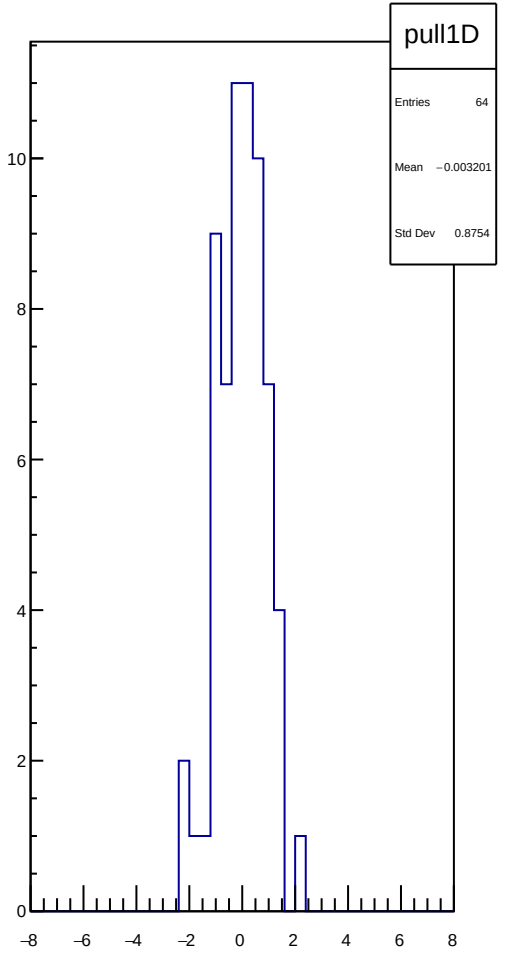

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2572 / 63
p0 1737 ± 1.571
2050
2000
1950
1900
1850
1800
1750
1700
1650

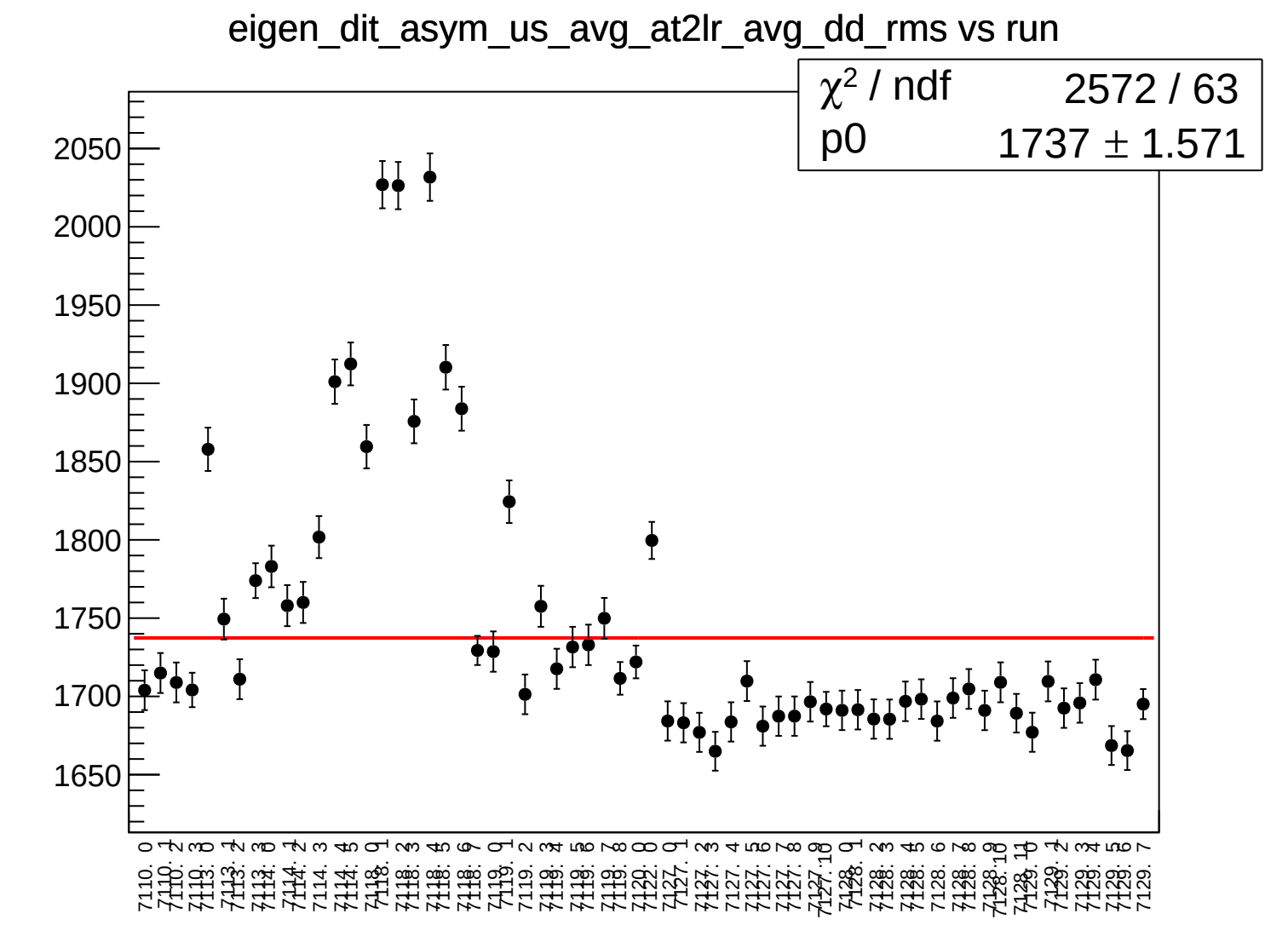

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.12 / 63
p0 4105 ± 1.163e+04
pull
Entries 64
Mean 100.4
Std Dev 0

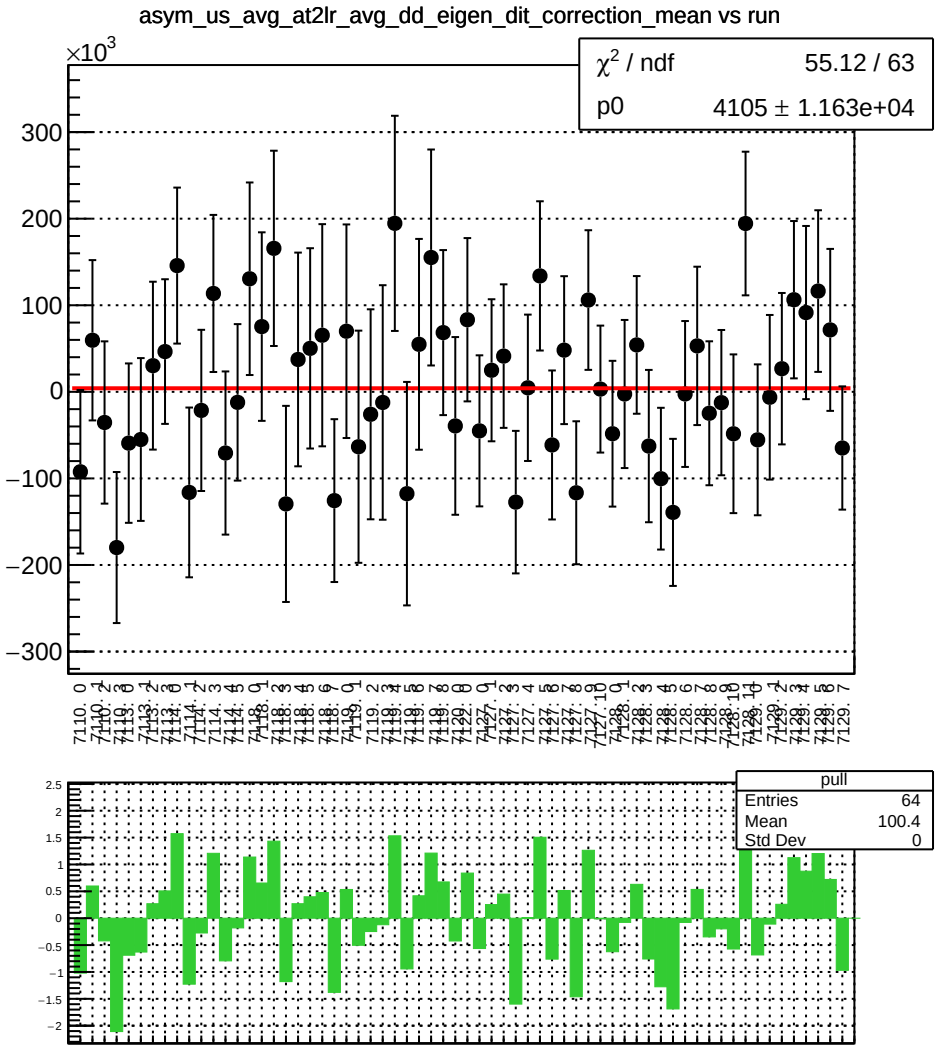

pull1D
Entries 64
Mean 0.0227
Std Dev 0.9277

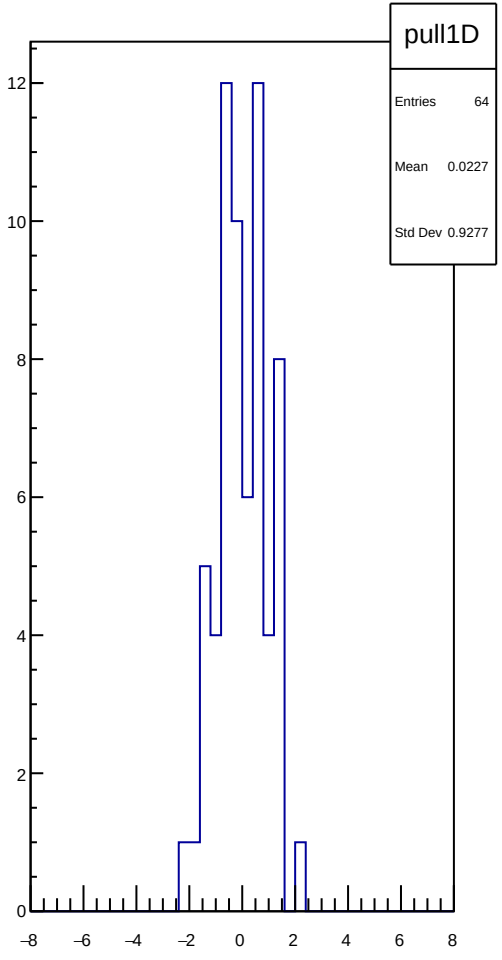

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.644e+04 / 63
p0 9004 ± 8.221
13000
12000
11000
10000
9000
8000
7000

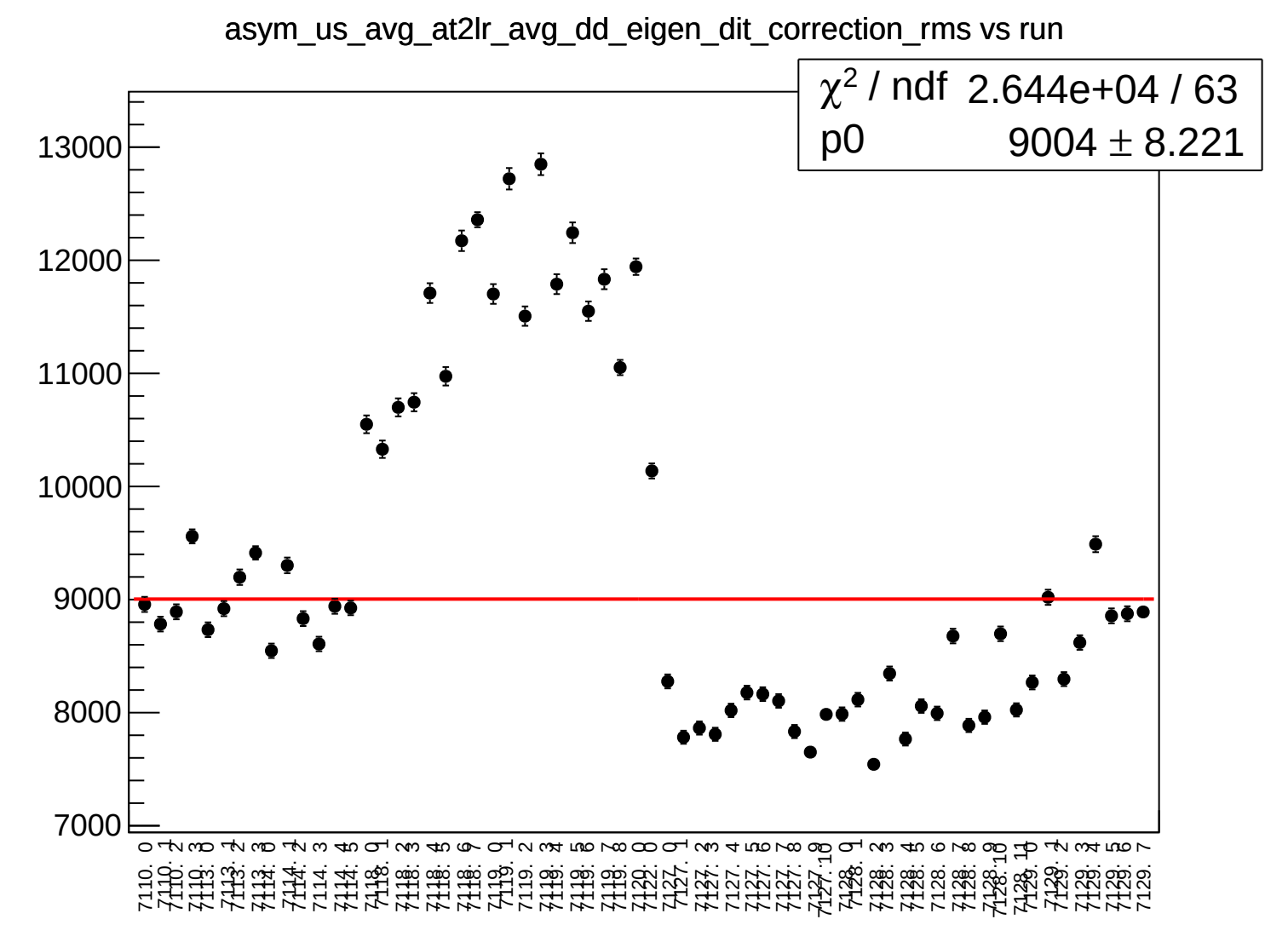

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.04 / 63
p0 −6106 ± 2221
pull
Entries 64
Mean −573.7
Std Dev 0

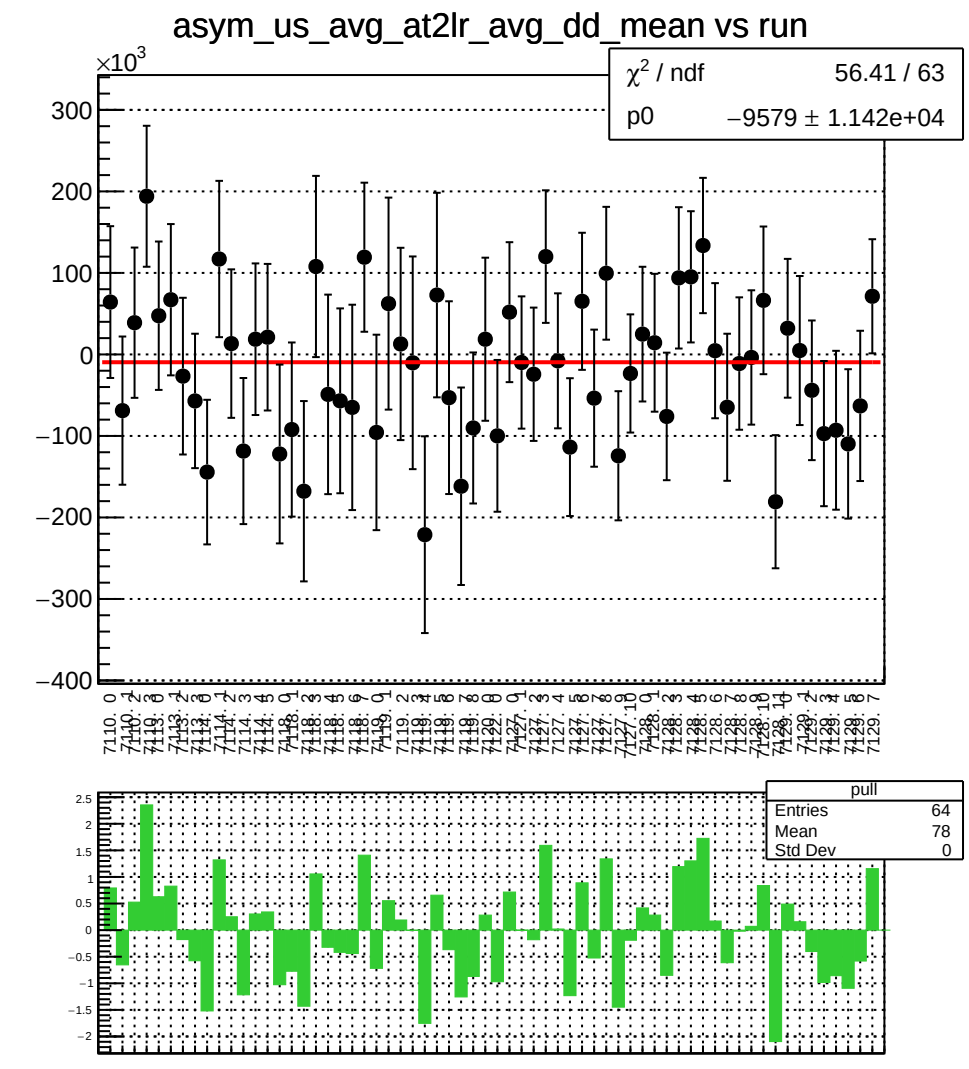

pull1D
Entries 64
Mean −0.003201
Std Dev 0.8754

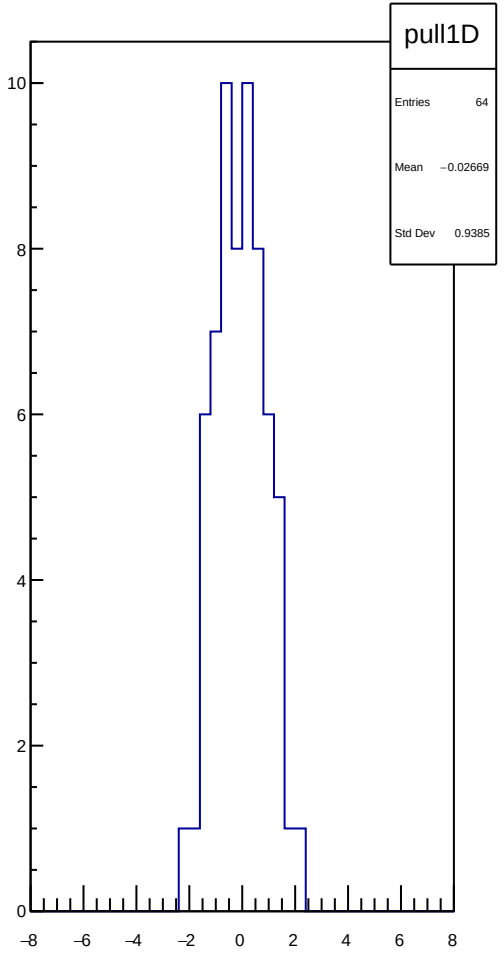

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2572 / 63
p0 1737 ± 1.571
2050
2000
1950
1900
1850
1800
1750
1700
1650

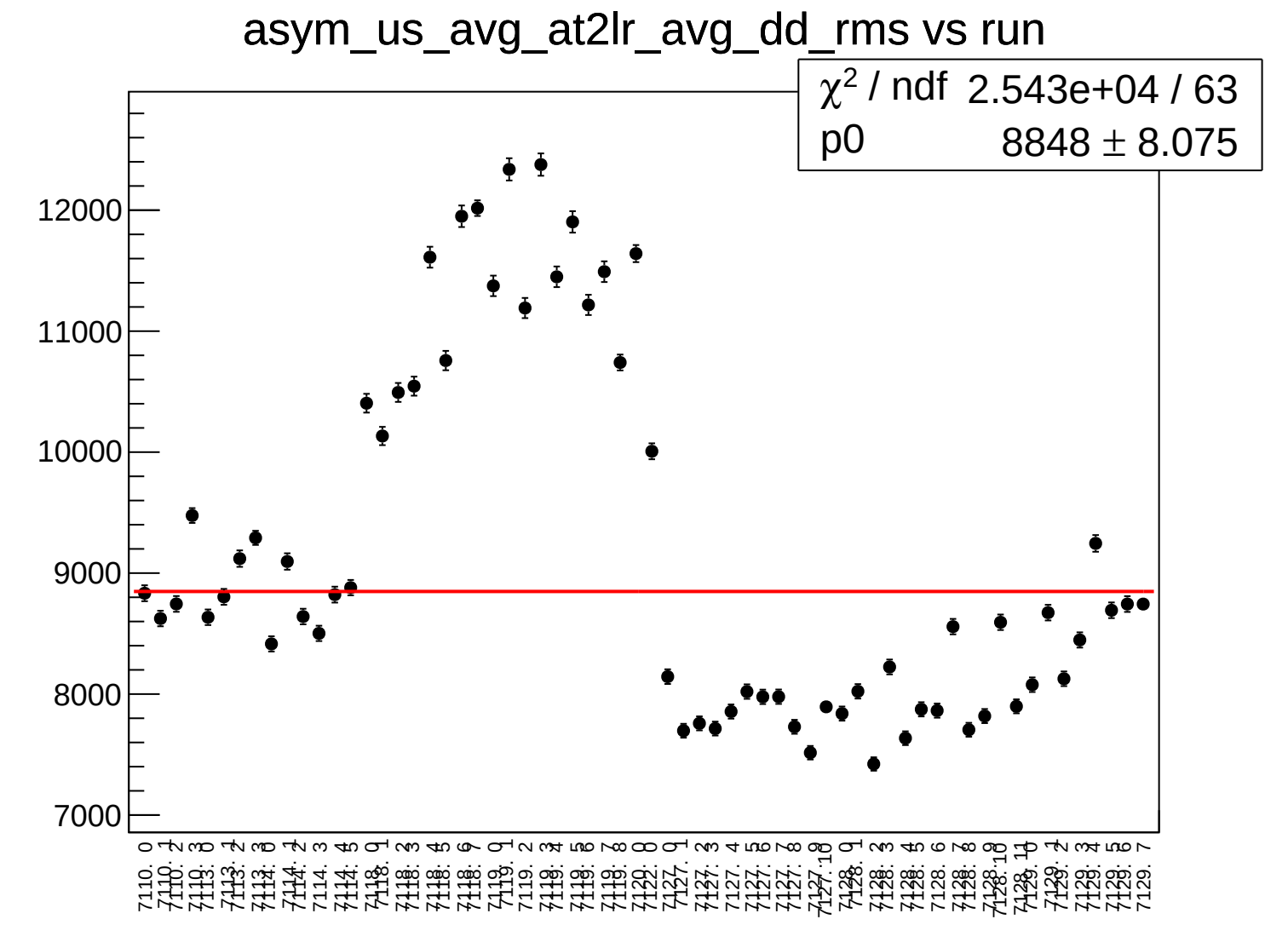

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.12 / 63
p0 4105 ± 1.163e+04
pull
Entries 64
Mean 100.4
Std Dev 0

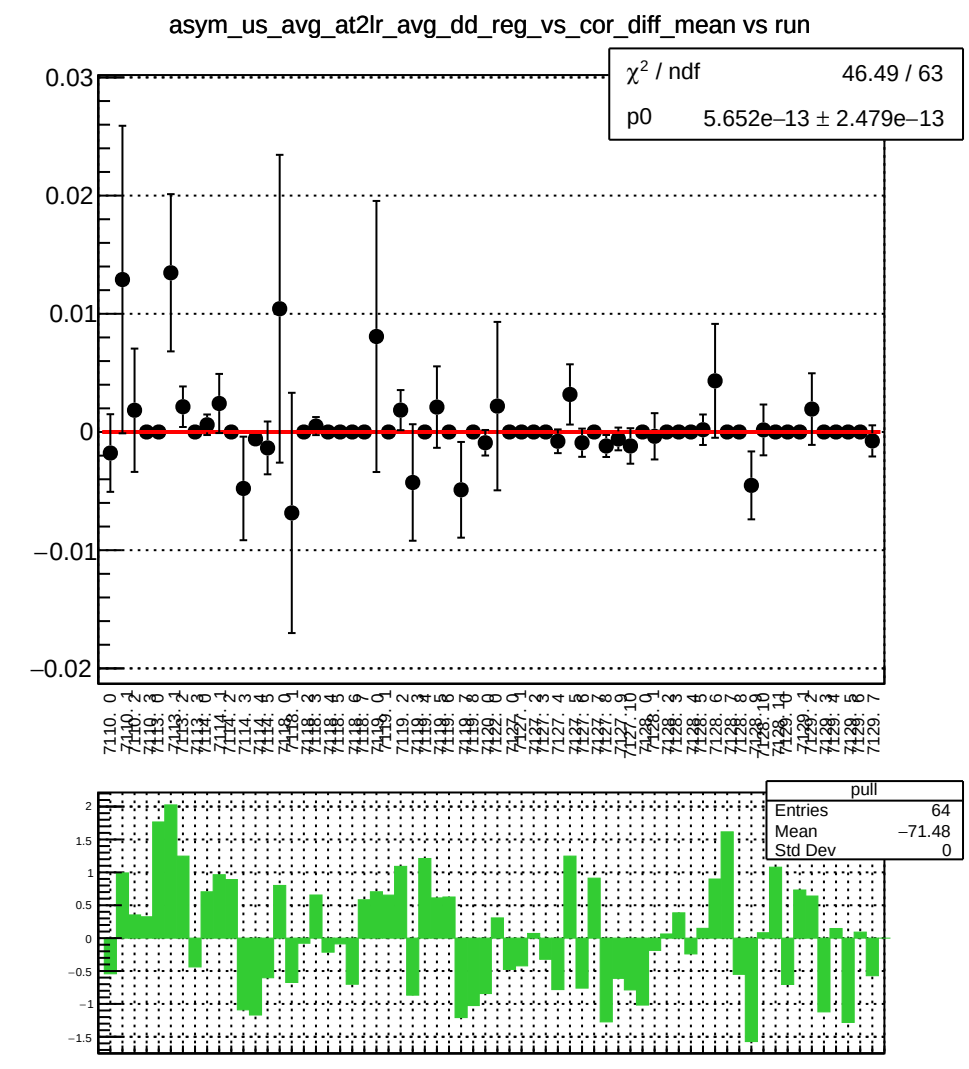

pull1D
Entries 64
Mean 0.0227
Std Dev 0.9277

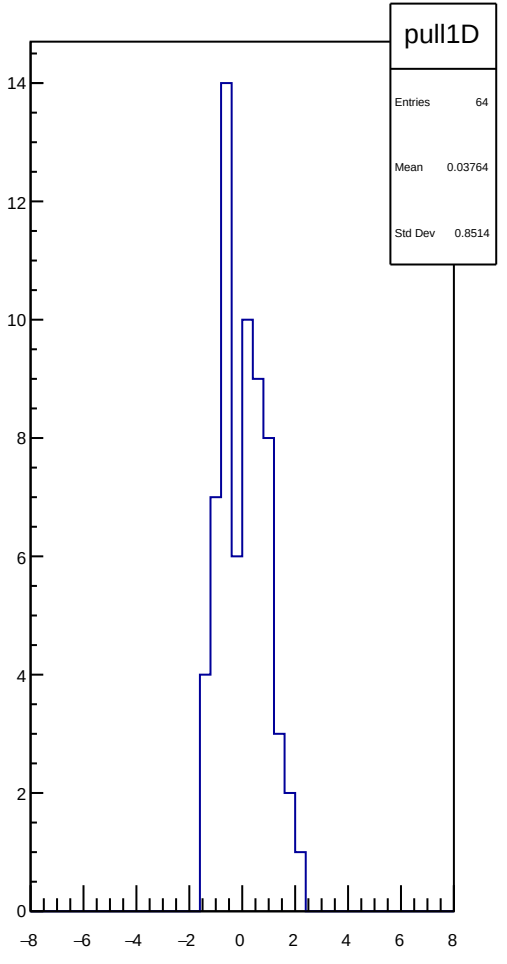

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.644e+04 / 63
p0 9004 ± 8.221
13000
12000
11000
10000
9000
8000
7000

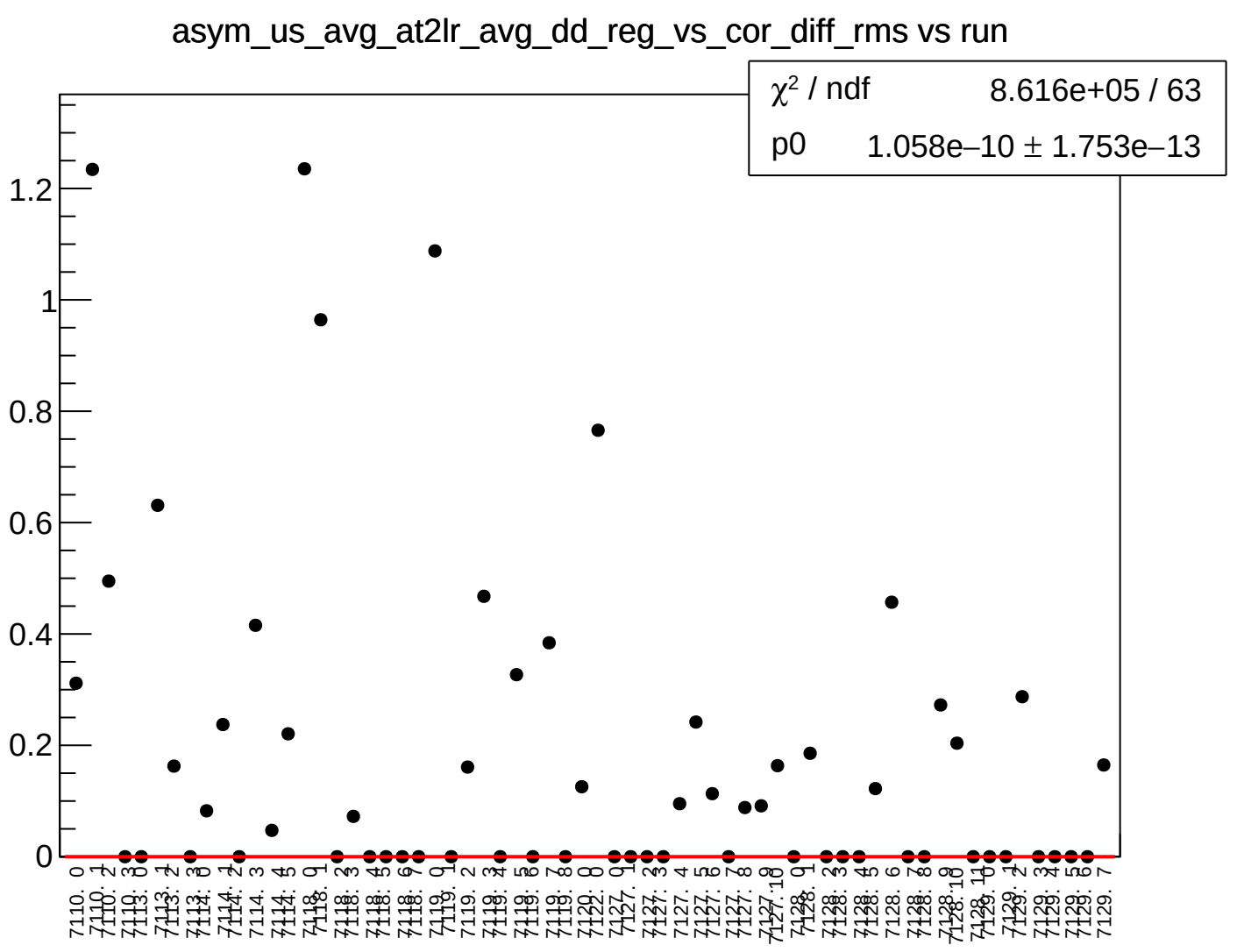

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 56.41 / 63
p0 −9579 ± 1.142e+04
pull
Entries 64
Mean 78
Std Dev 0

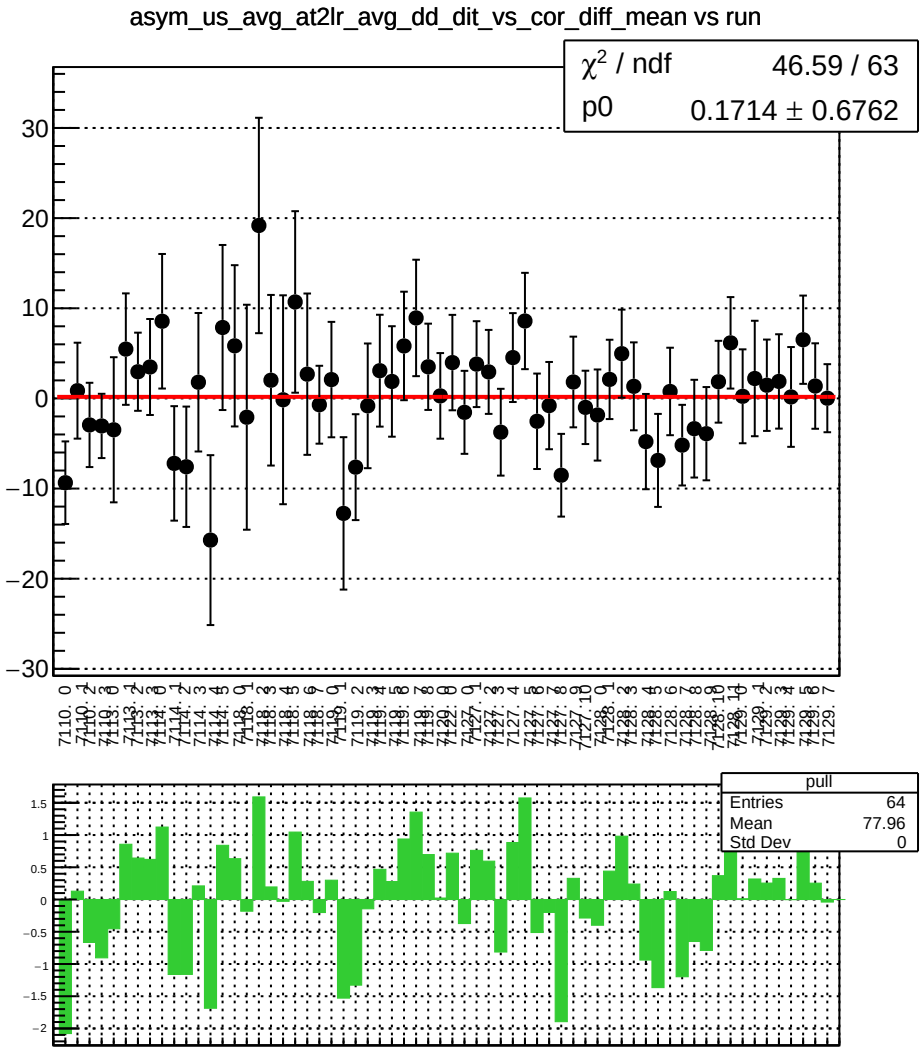

pull1D
Entries 64
Mean −0.02669
Std Dev 0.9385

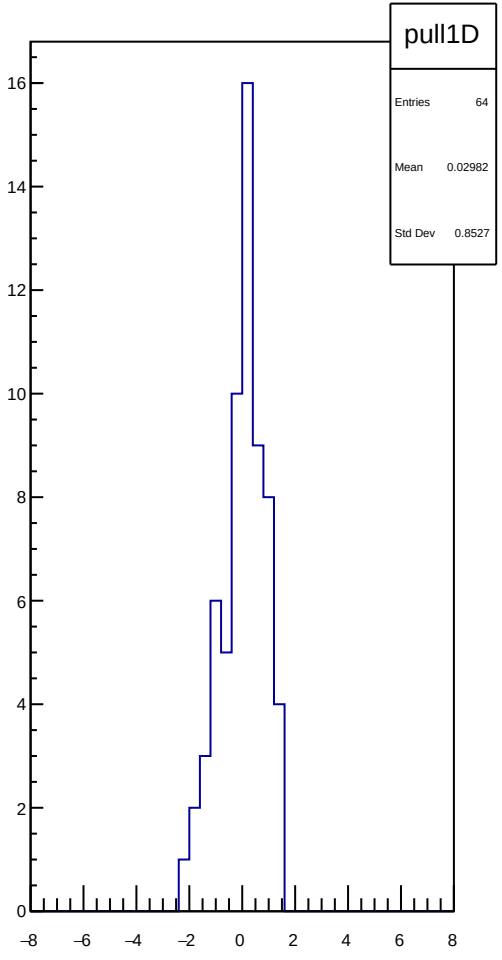

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.543e+04 / 63
p0 8848 ± 8.075
12000
11000
10000
9000
8000
7000

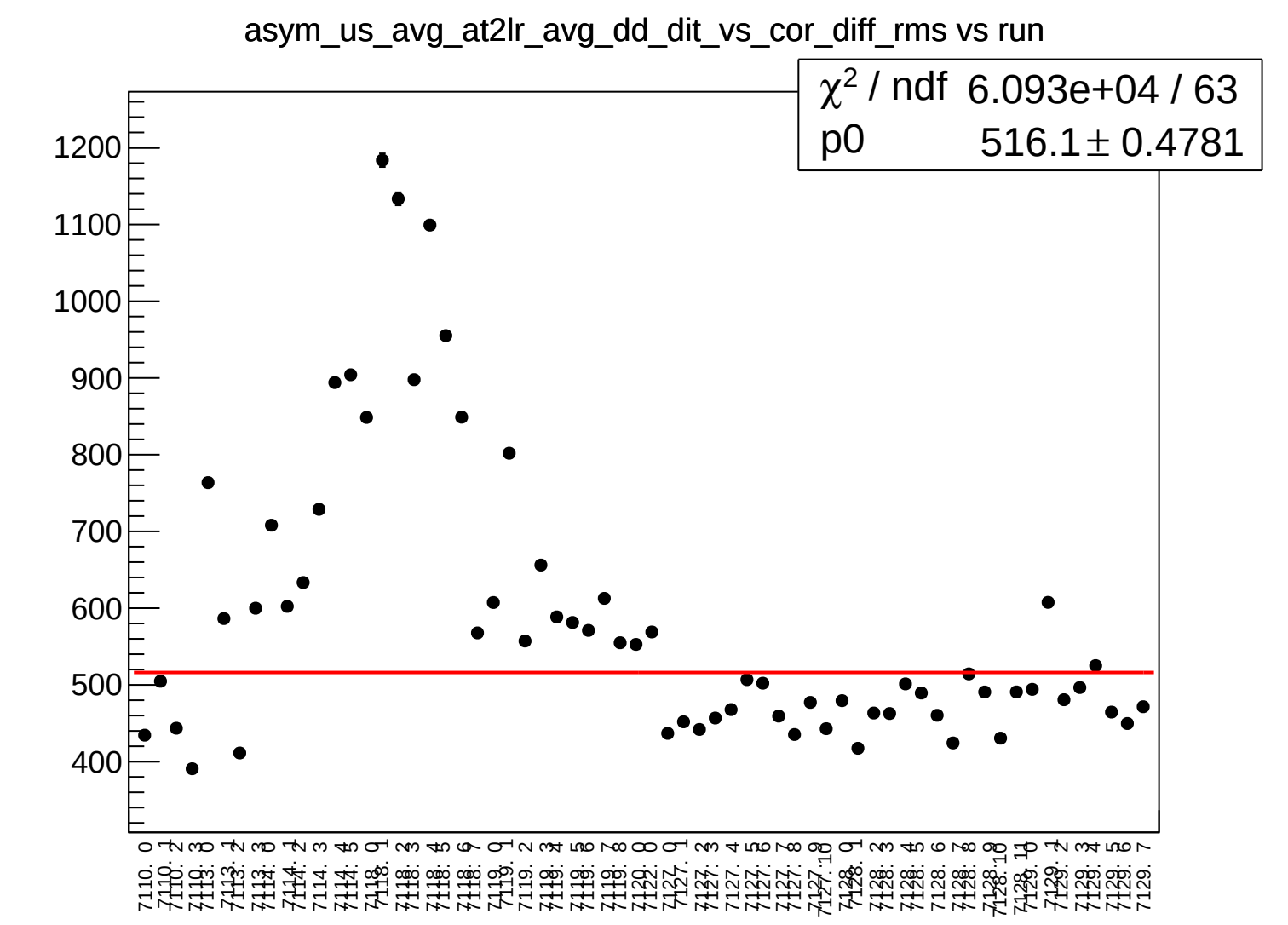

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.49 / 63
p0 5.652e−13 ± 2.479e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean −71.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

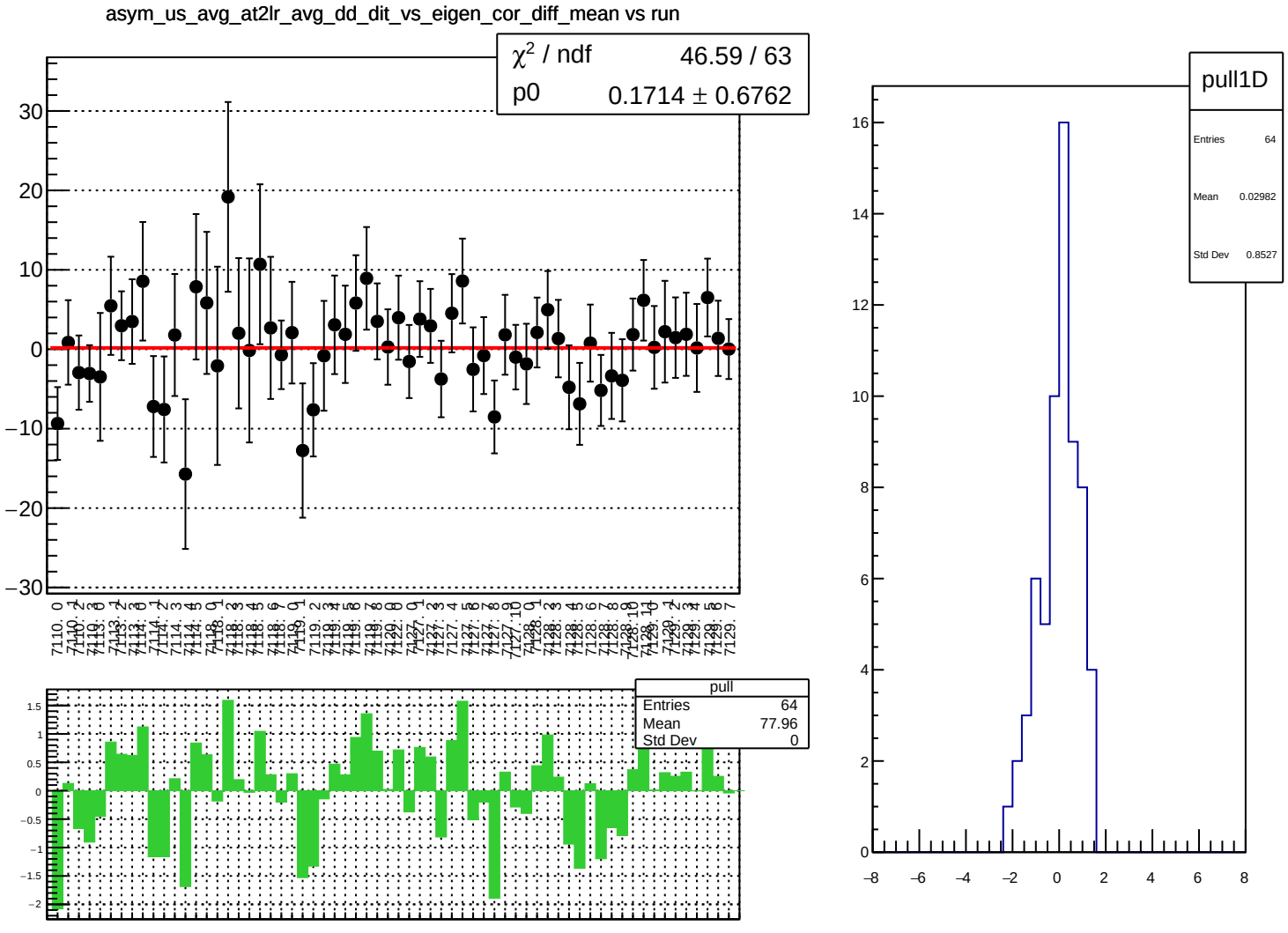

pull1D
Entries 64
Mean 0.03764
Std Dev 0.8514
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

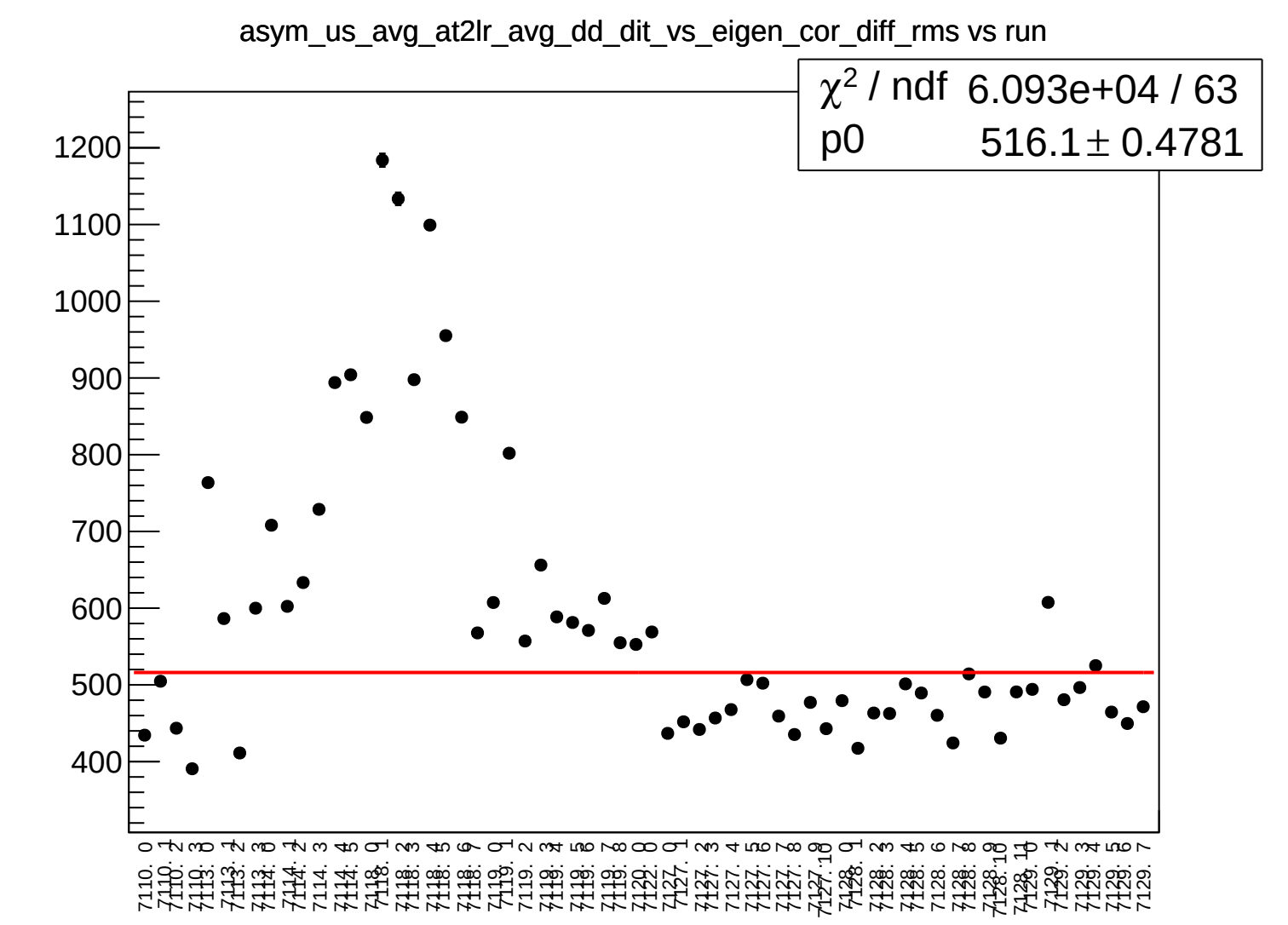

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.616e+05 / 63
p0 1.058e−10 ± 1.753e−13
1.2
1
0.8
0.6
0.4
0.2
0

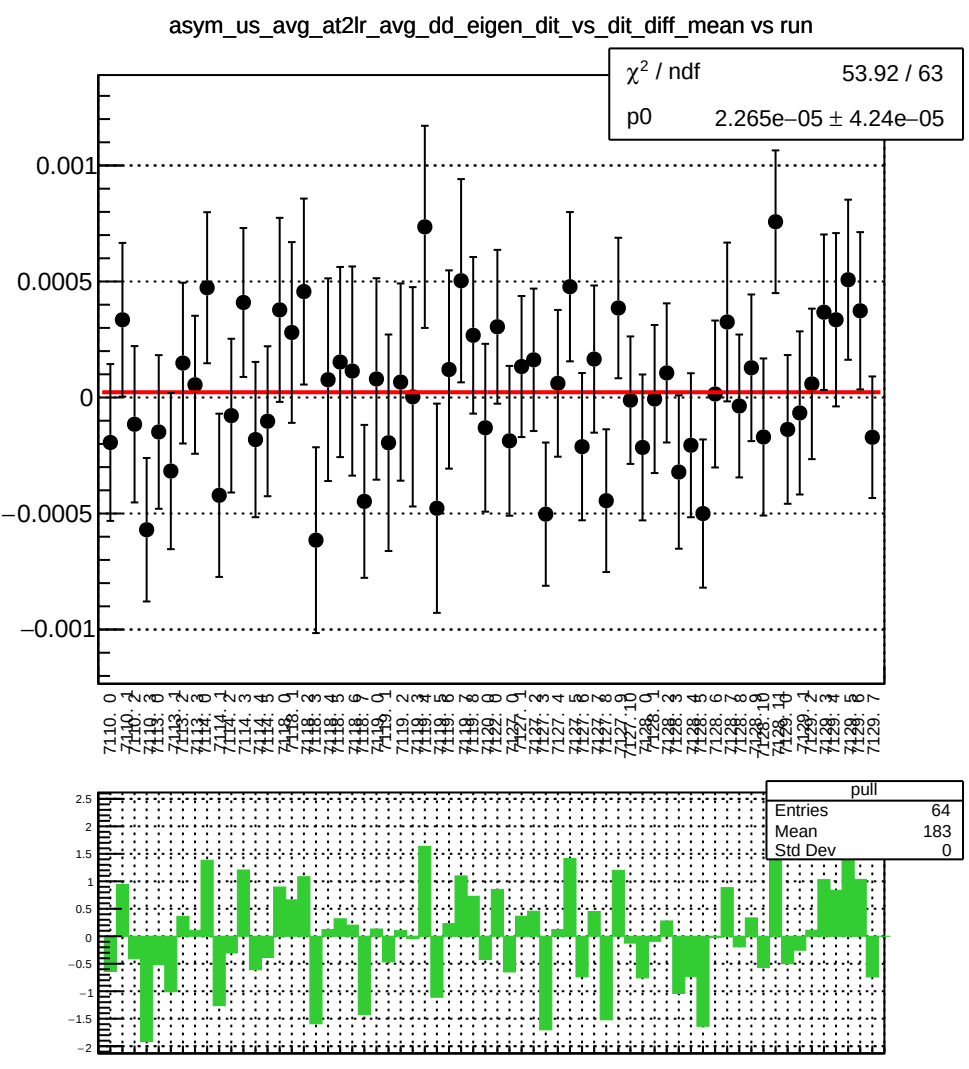

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.59 / 63
p0 0.1714 ± 0.6762
pull
Entries 64
Mean 77.96
Std Dev 0

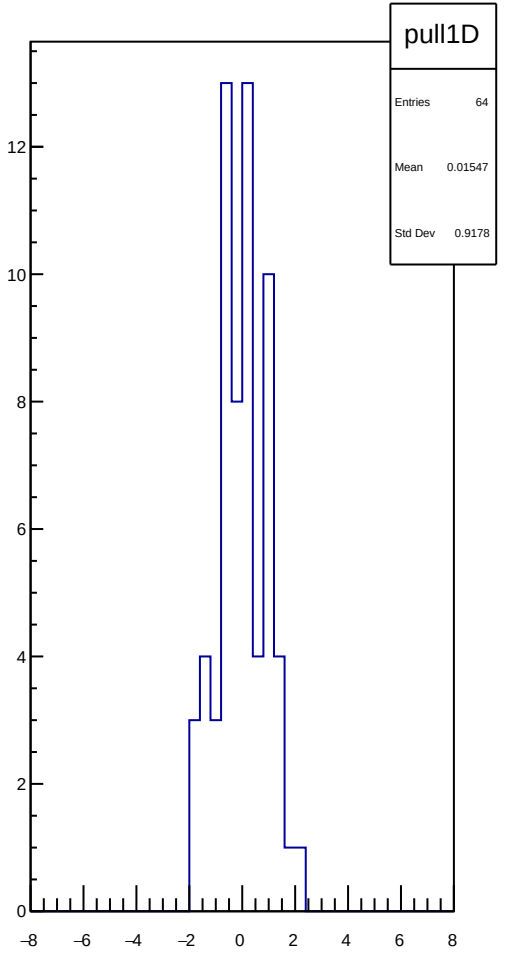

pull1D
Entries 64
Mean 0.02982
Std Dev 0.8527

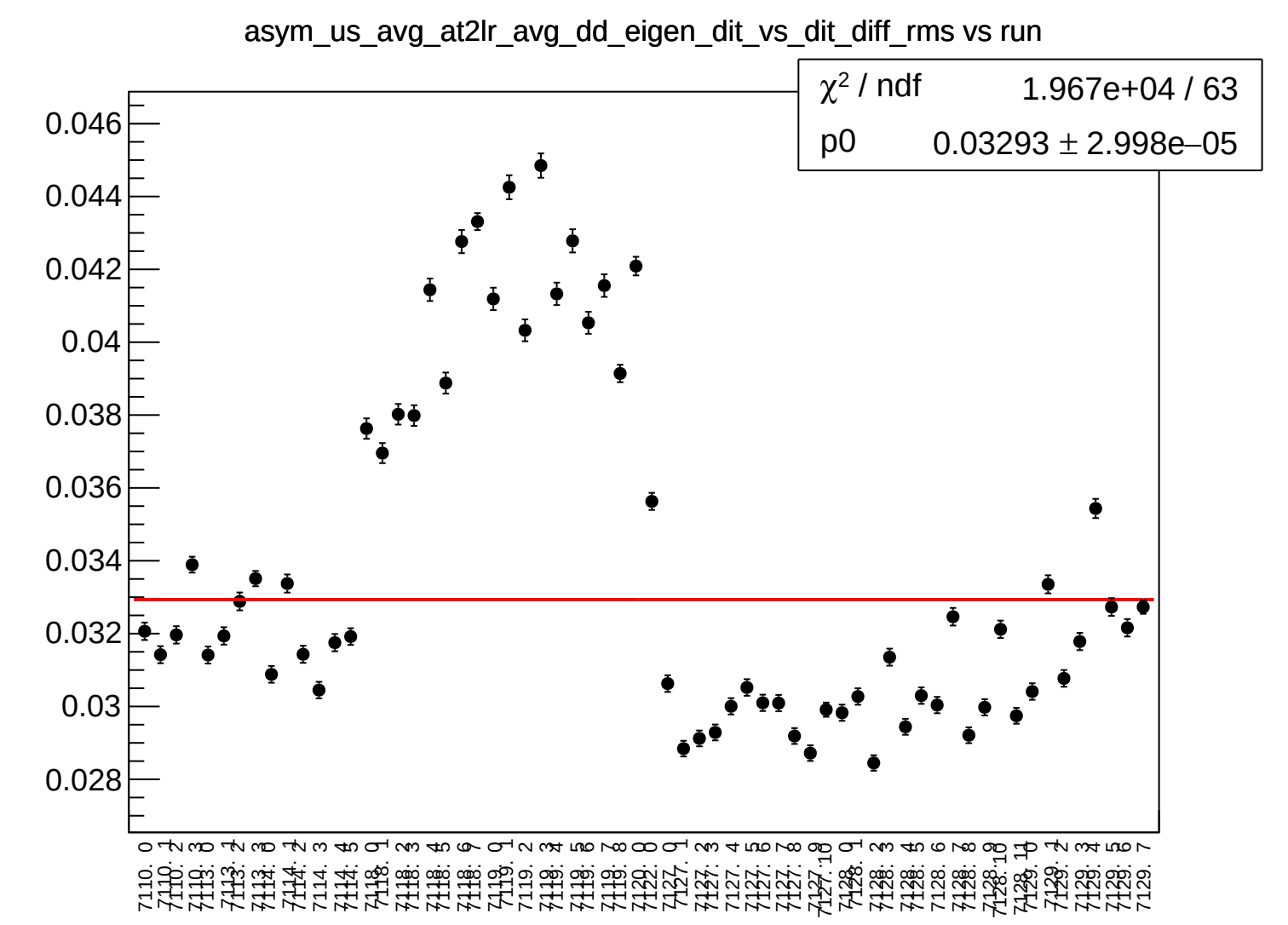

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.093e+04 / 63
p0 516.1 ± 0.4781
1200
1100
1000
900
800
700
600
500
400

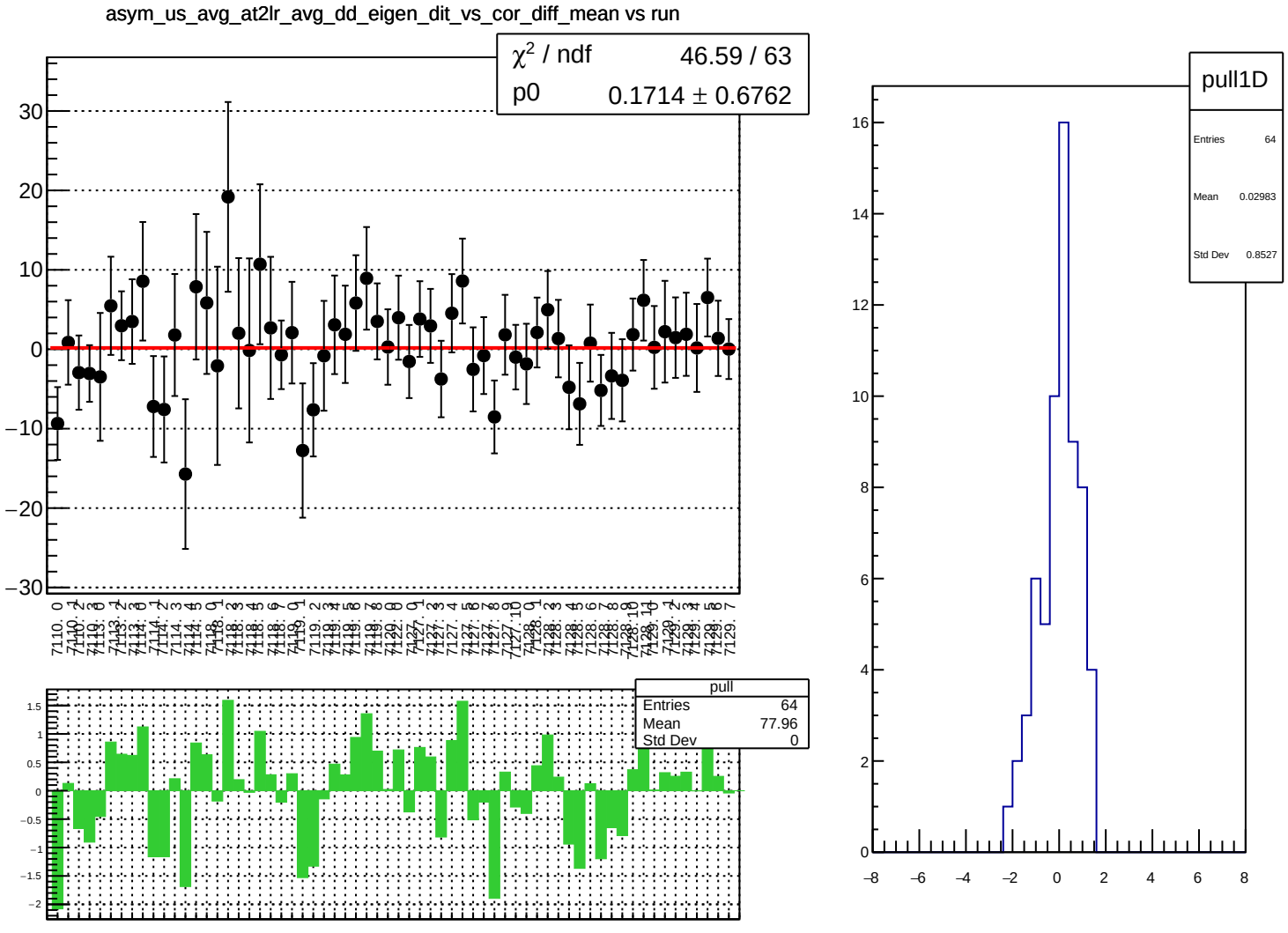

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.59 / 63
p0 0.1714 ± 0.6762
pull
Entries 64
Mean 77.96
Std Dev 0
pull1D
Entries 64
Mean 0.02982
Std Dev 0.8527

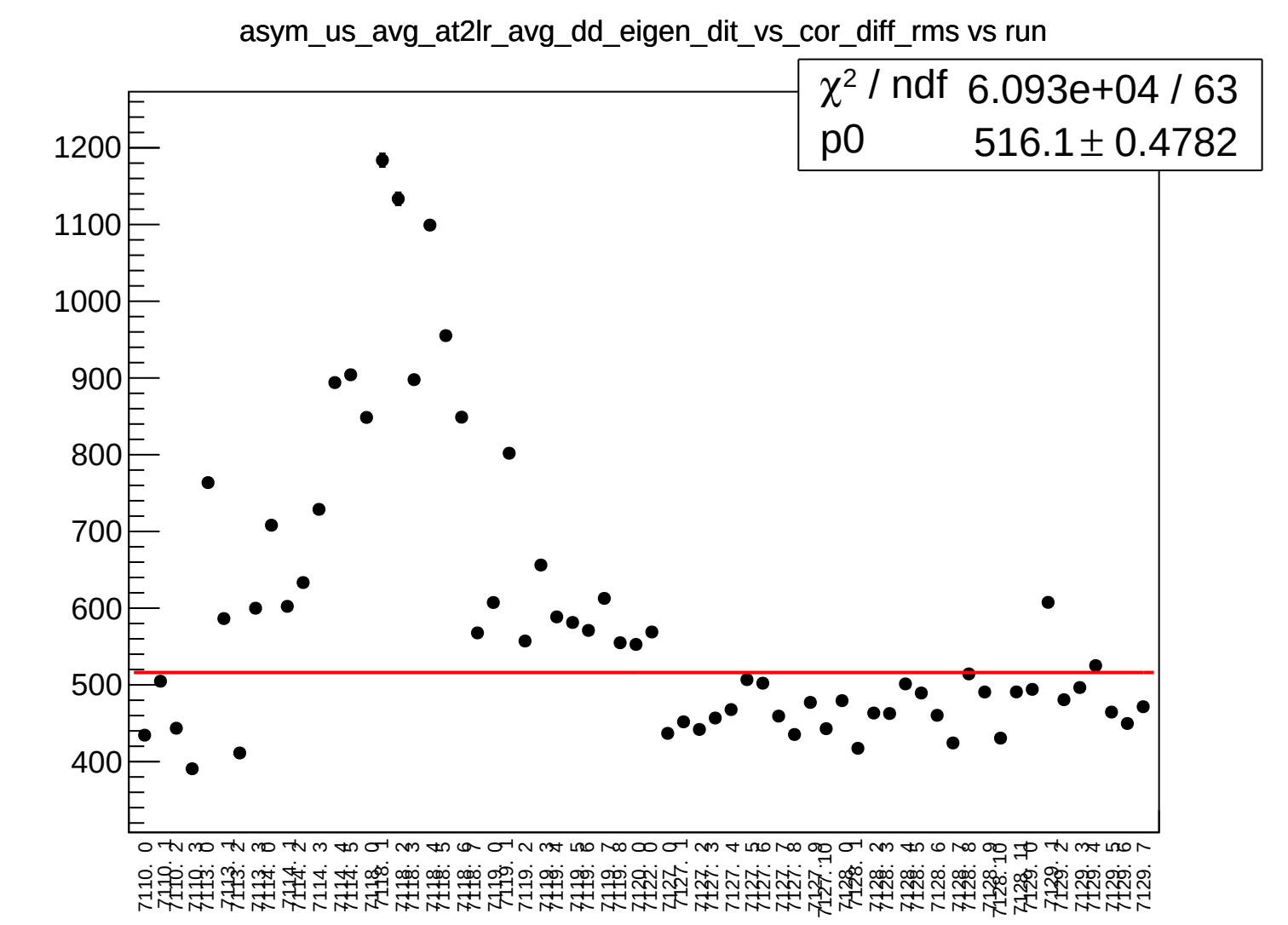

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.093e+04 / 63
p0 516.1 ± 0.4781
1200
1100
1000
900
800
700
600
500
400

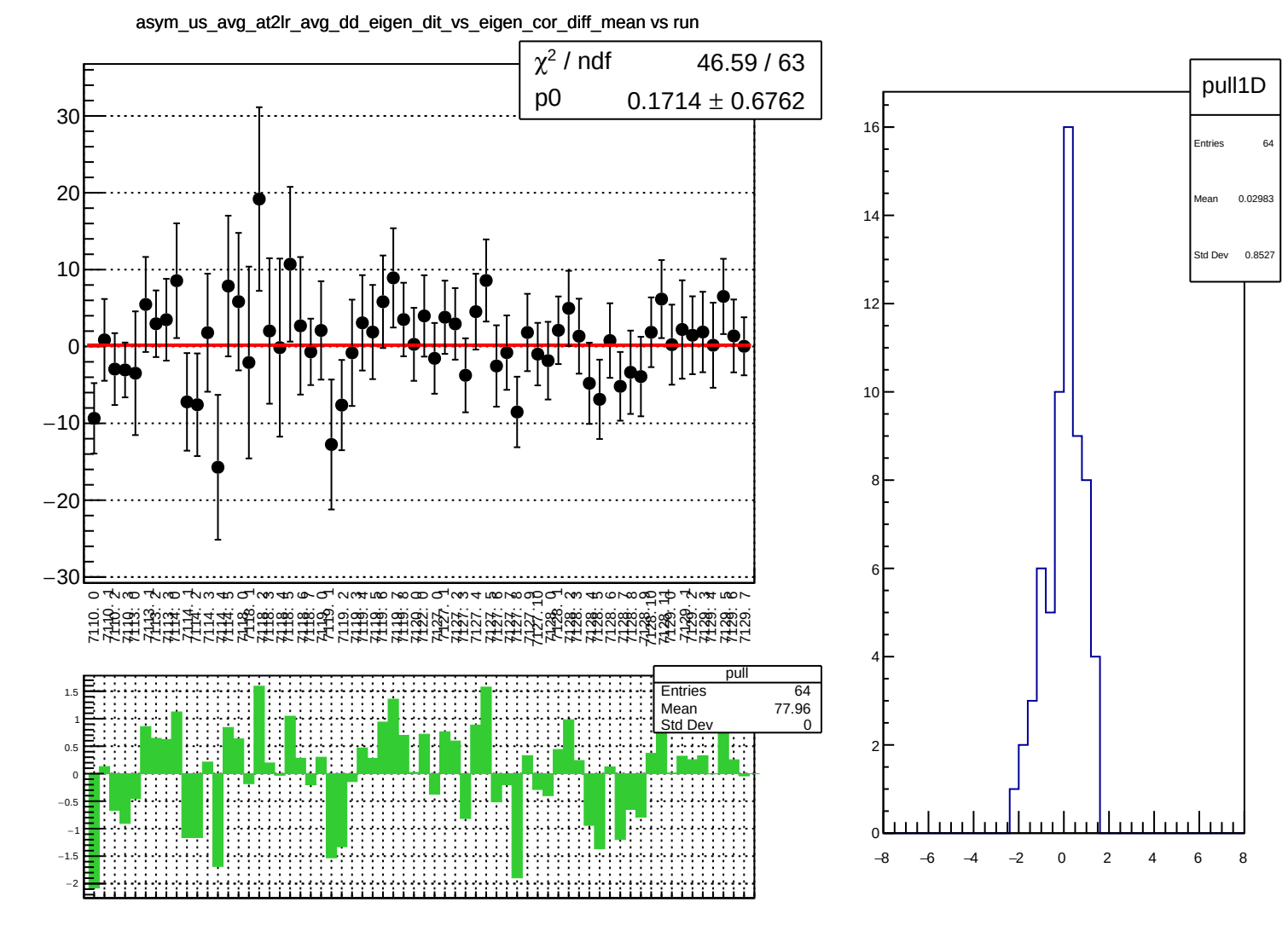

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.92 / 63
p0 2.265e−05 ± 4.24e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 183
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

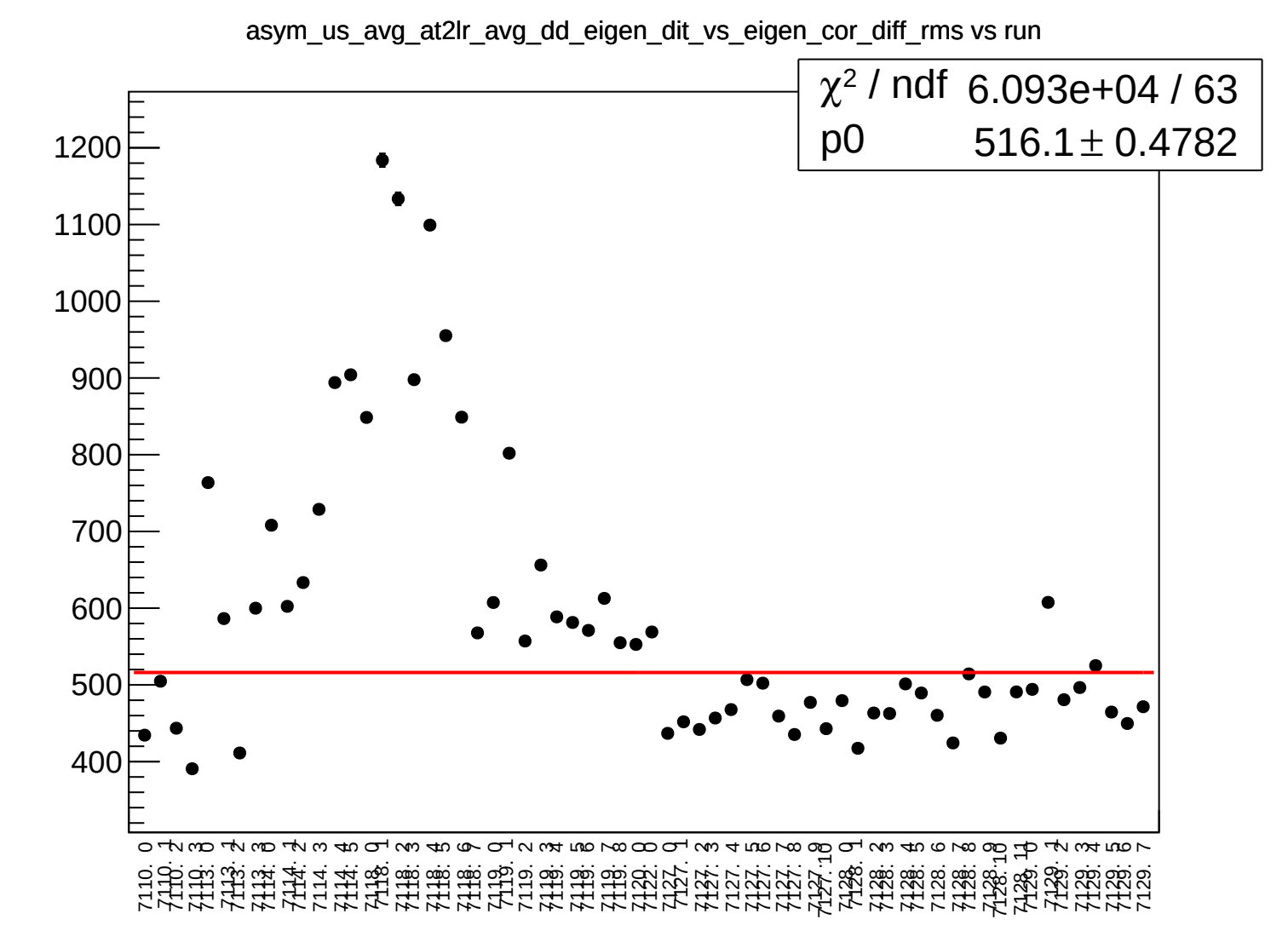

pull1D
Entries 64
Mean 0.01547
Std Dev 0.9178
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

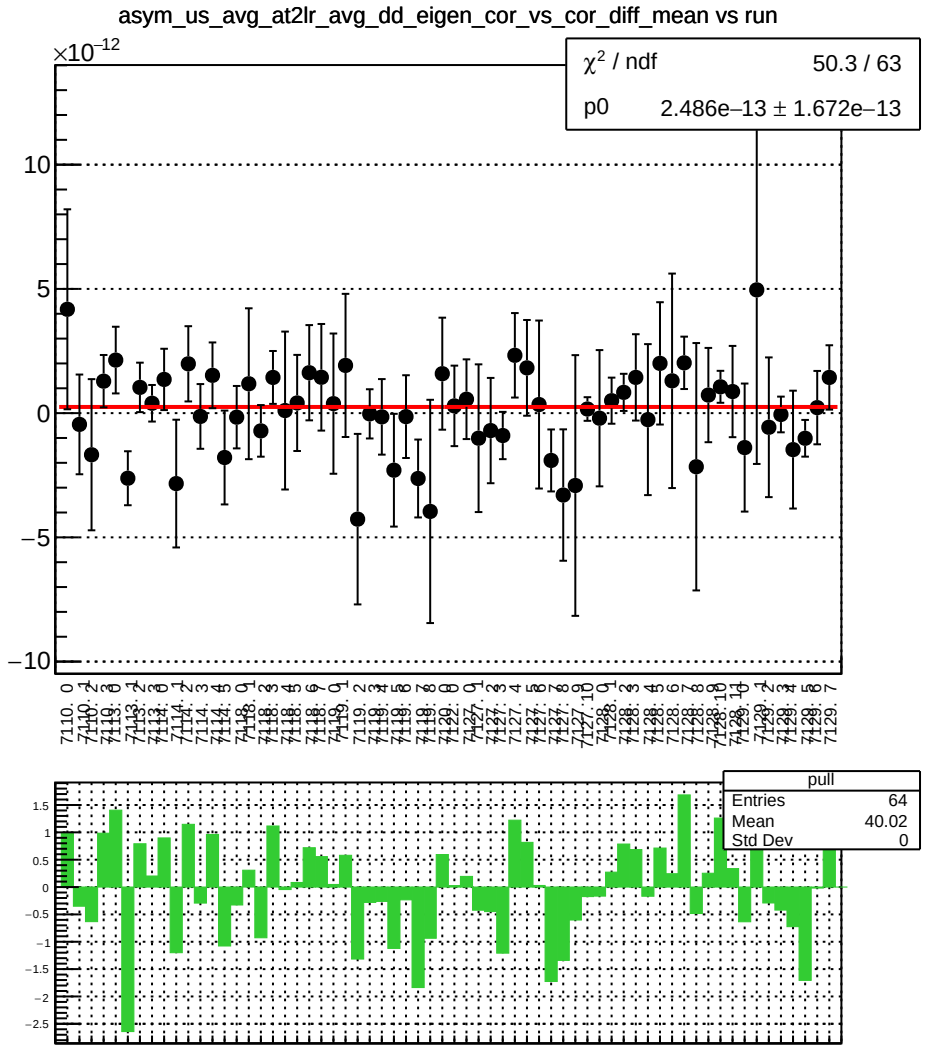

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.967e+04 / 63
p0 0.03293 ± 2.998e–05
0.046
0.044
0.042
0.04
0.038
0.036
0.034
0.032
0.03
0.028

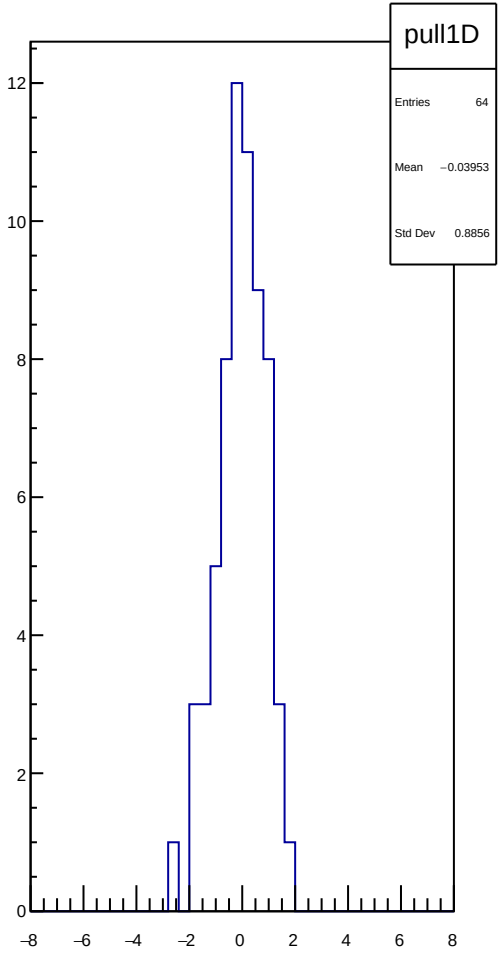

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.59 / 63
p0 0.1714 ± 0.6762
pull
Entries 64
Mean 77.96
Std Dev 0
pull1D
Entries 64
Mean 0.02983
Std Dev 0.8527

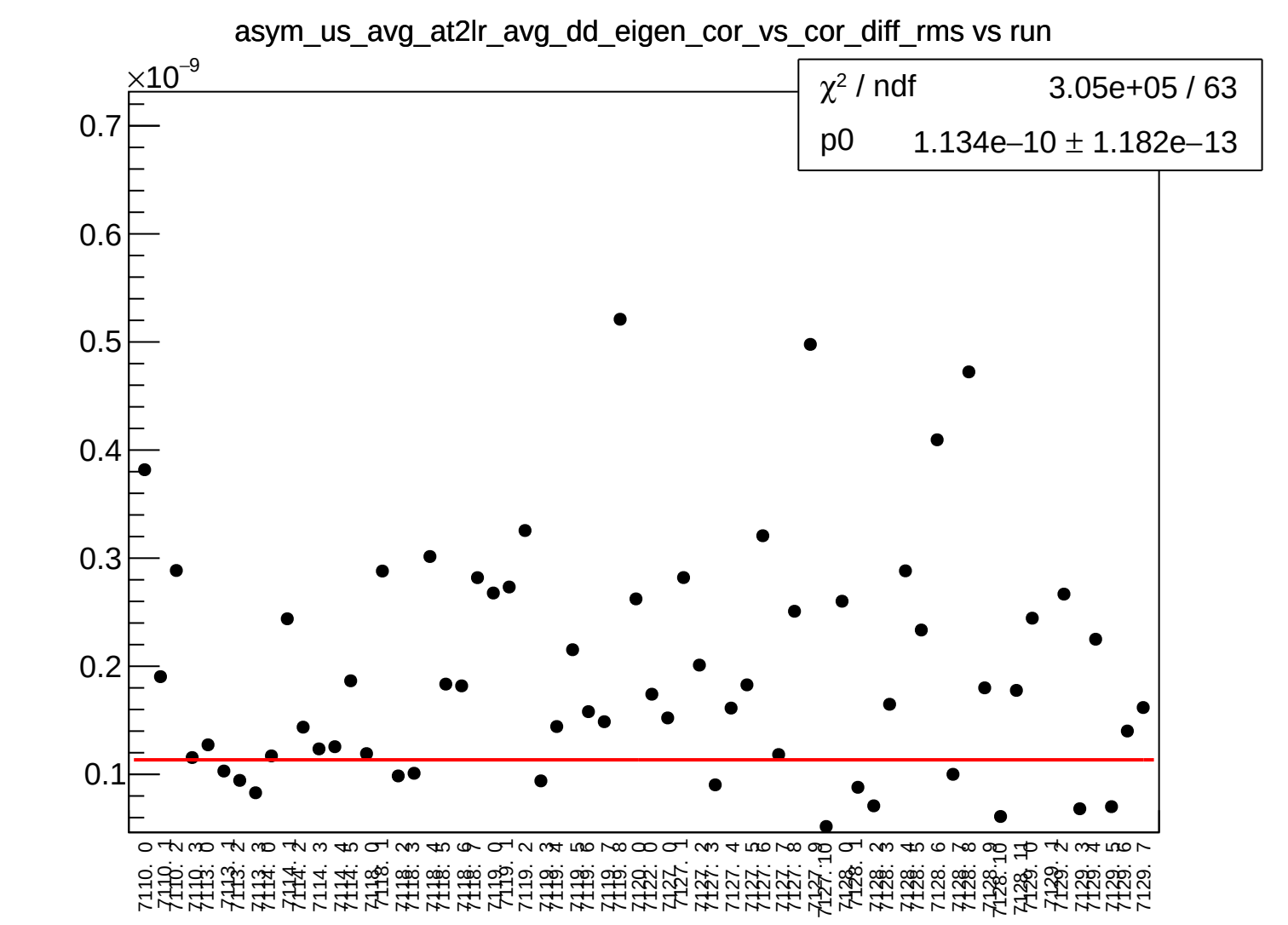

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.093e+04 / 63
p0 516.1 ± 0.4782
1200
1100
1000
900
800
700
600
500
400

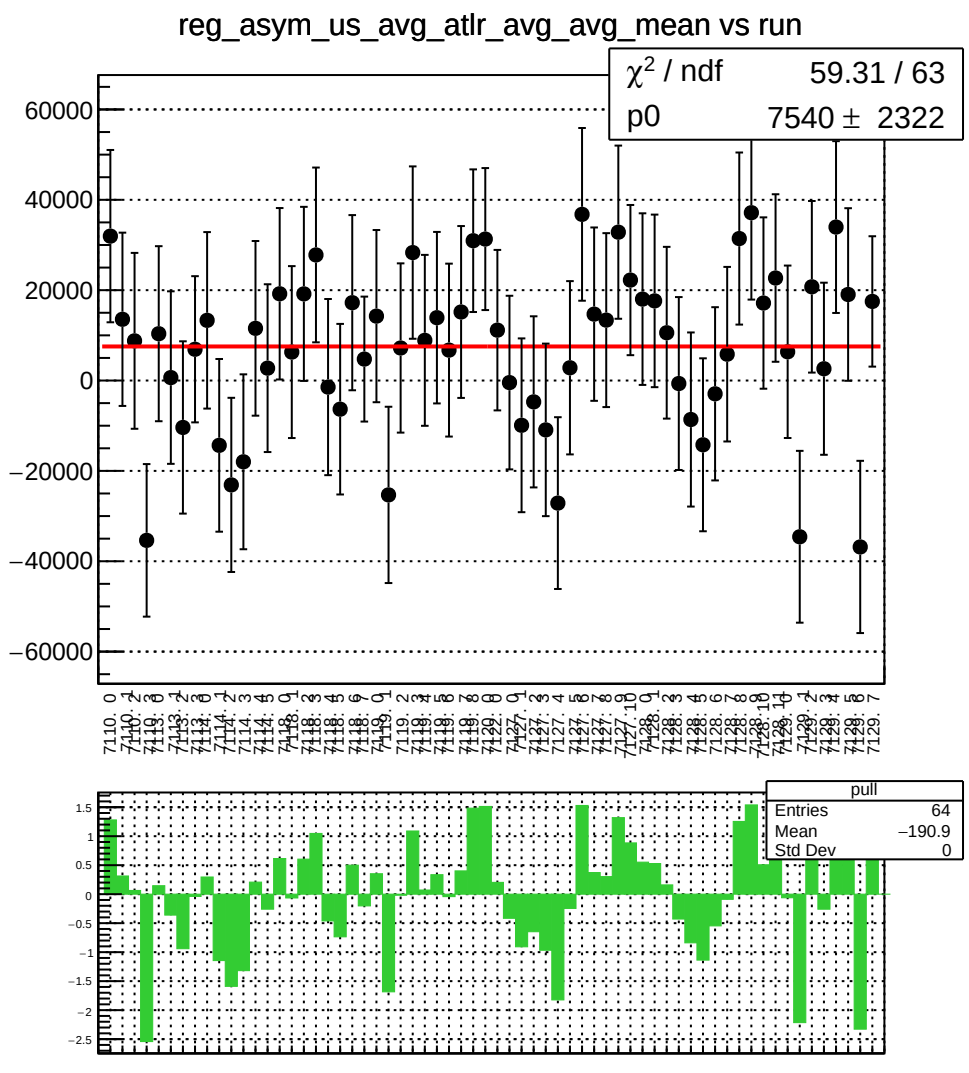

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.59 / 63
p0 0.1714 ± 0.6762
pull
Entries 64
Mean 77.96
Std Dev 0
pull1D
Entries 64
Mean 0.02983
Std Dev 0.8527

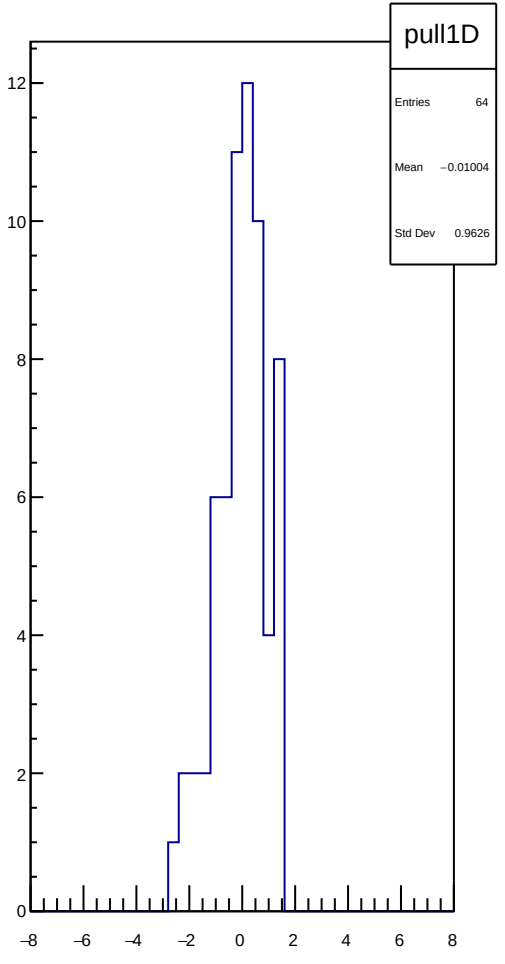

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.093e+04 / 63
p0 516.1 ± 0.4782
1200
1100
1000
900
800
700
600
500
400

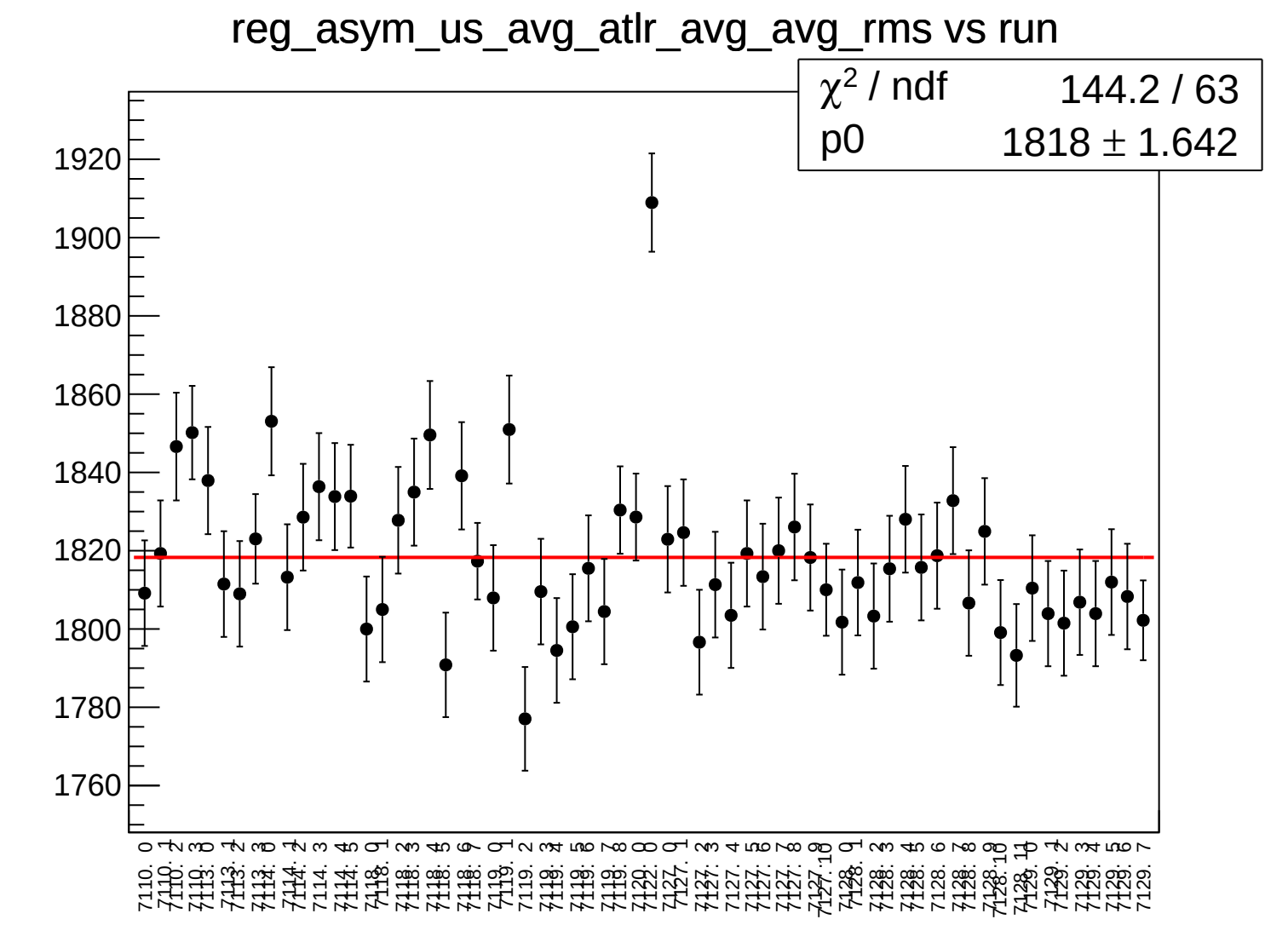

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.3 / 63
p0 2.486e−13 ± 1.672e−13
pull
Entries 64
Mean 40.02
Std Dev 0

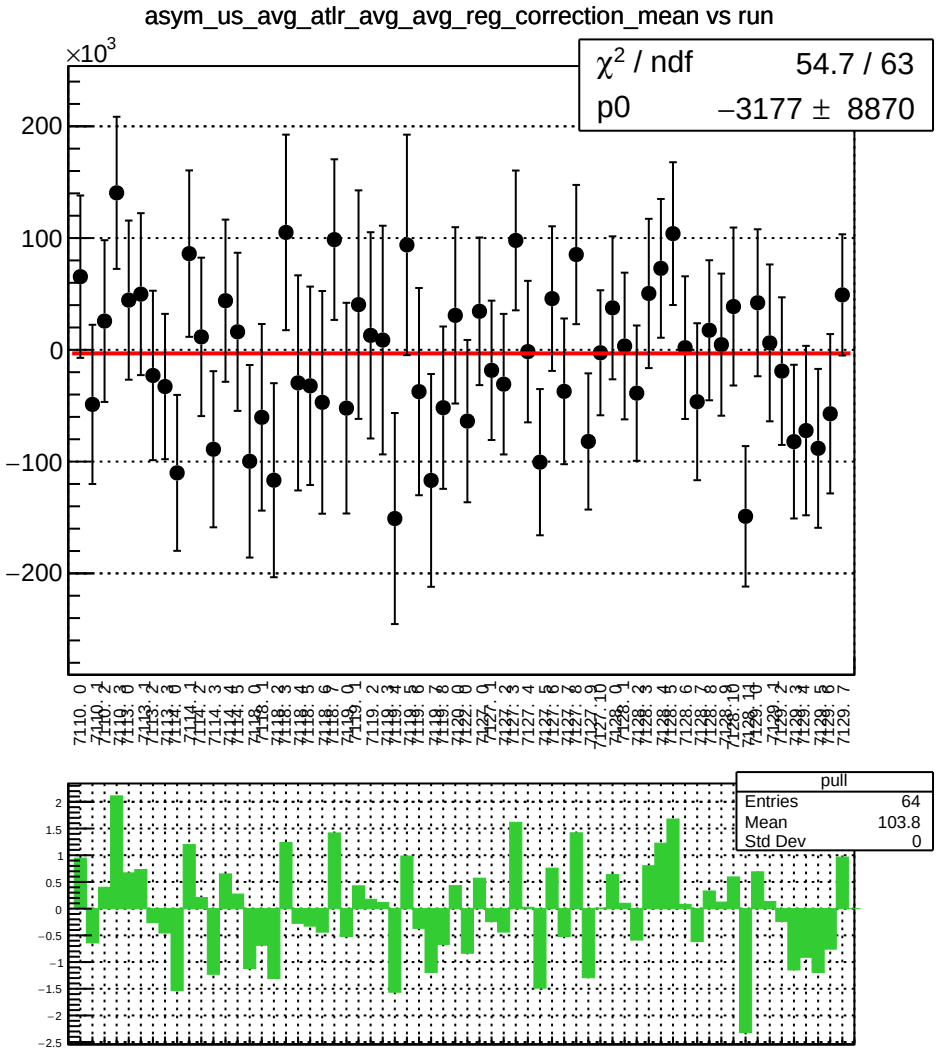

pull1D
Entries 64
Mean −0.03953
Std Dev 0.8856

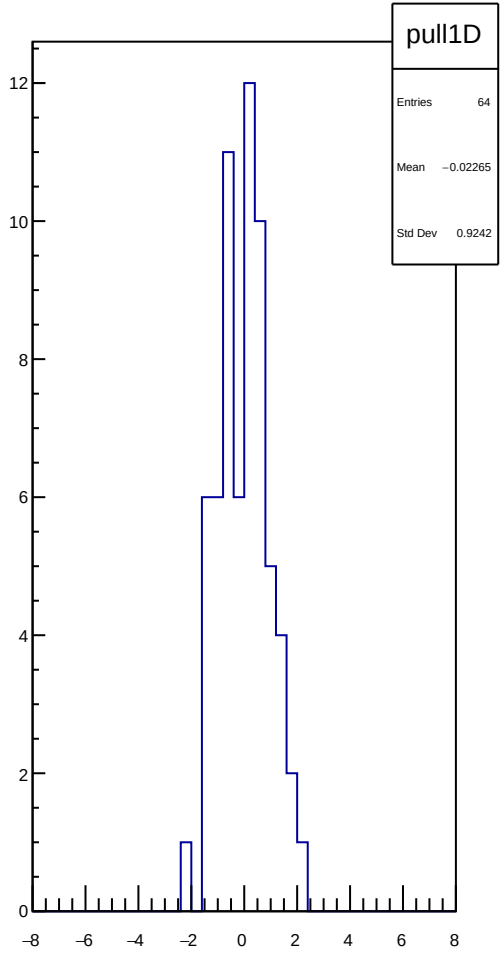

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.05e+05 / 63
p0 1.134e−10 ± 1.182e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

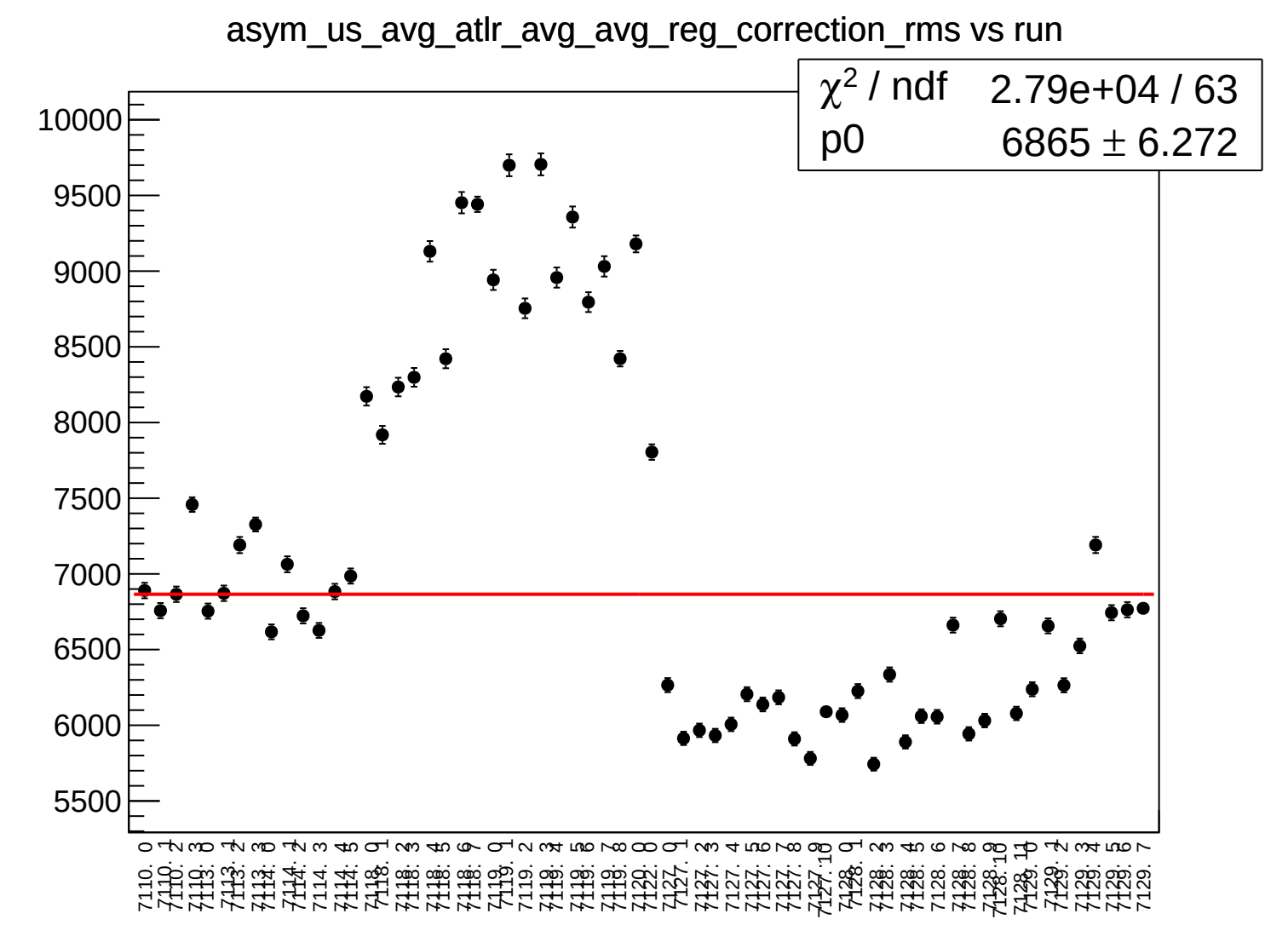

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 59.31 / 63
p0 7540 ± 2322
pull
Entries 64
Mean −190.9
Std Dev 0

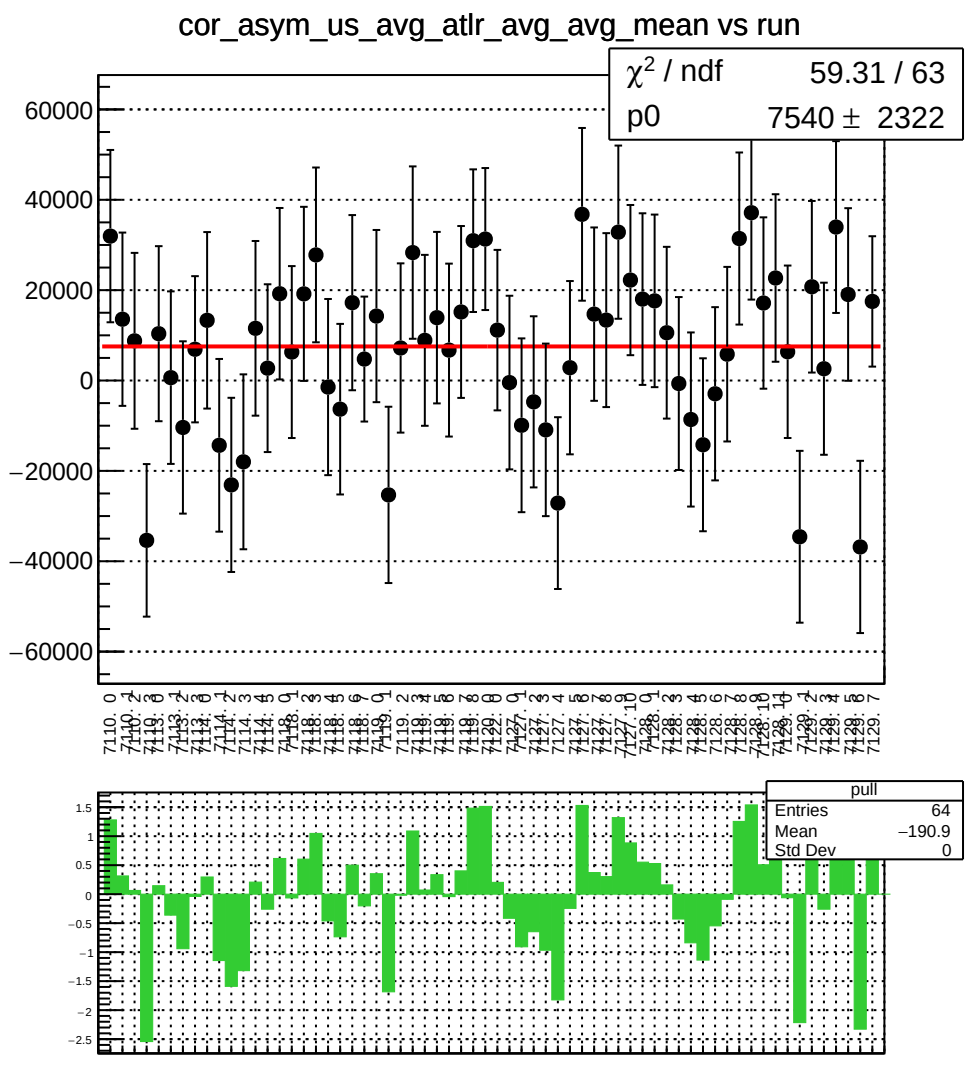

pull1D
Entries 64
Mean −0.01004
Std Dev 0.9626

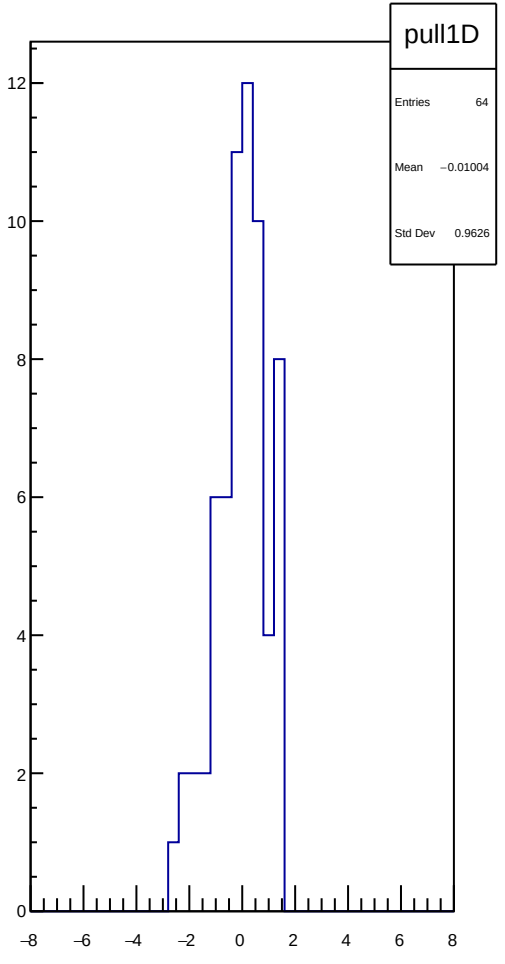

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 144.2 / 63
p0 1818 ± 1.642
1920
1900
1880
1860
1840
1820
1800
1780
1760

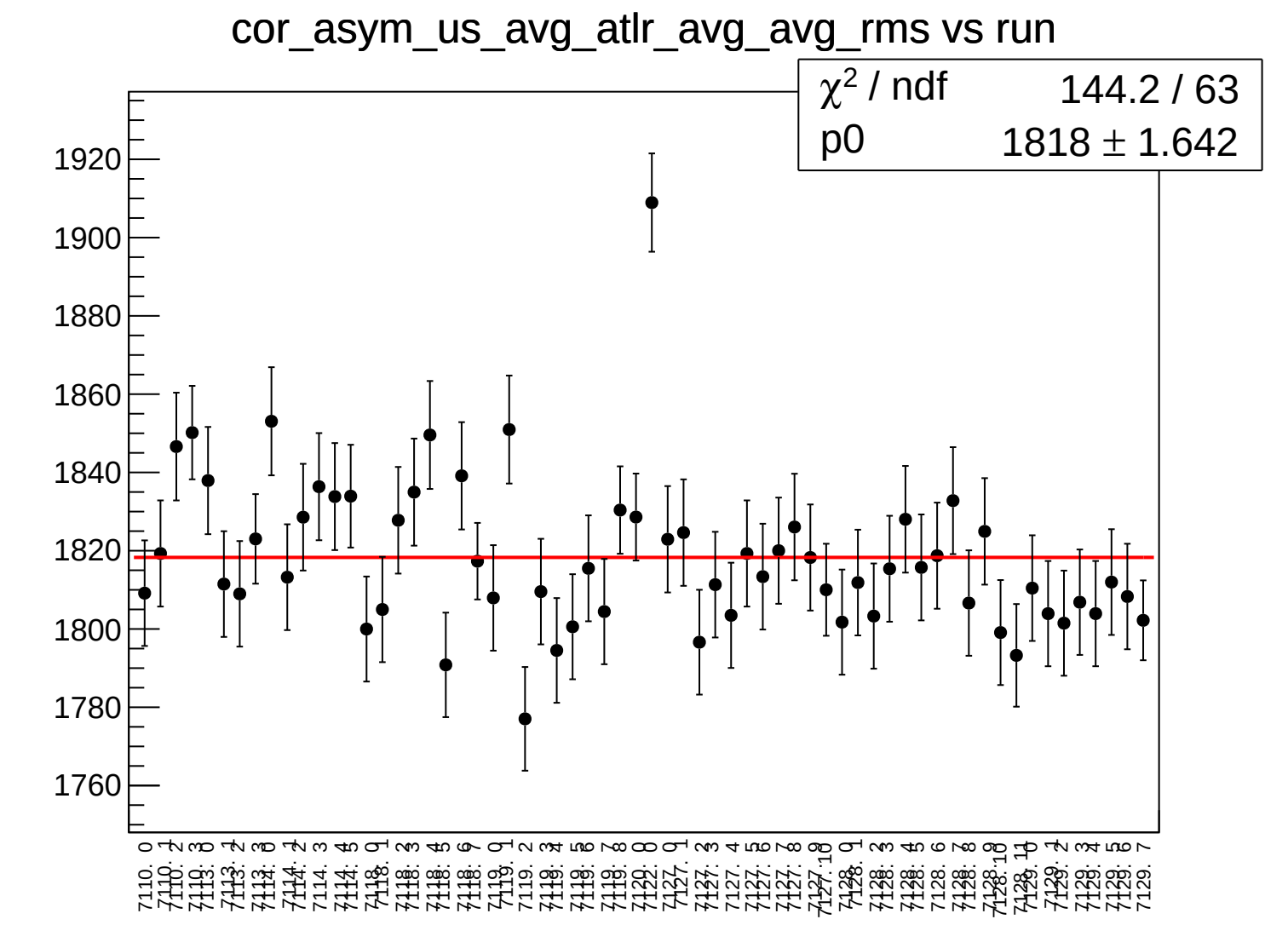

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.7 / 63
p0 −3177 ± 8870
200
100
0
−100
−200
pull
Entries 64
Mean 103.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

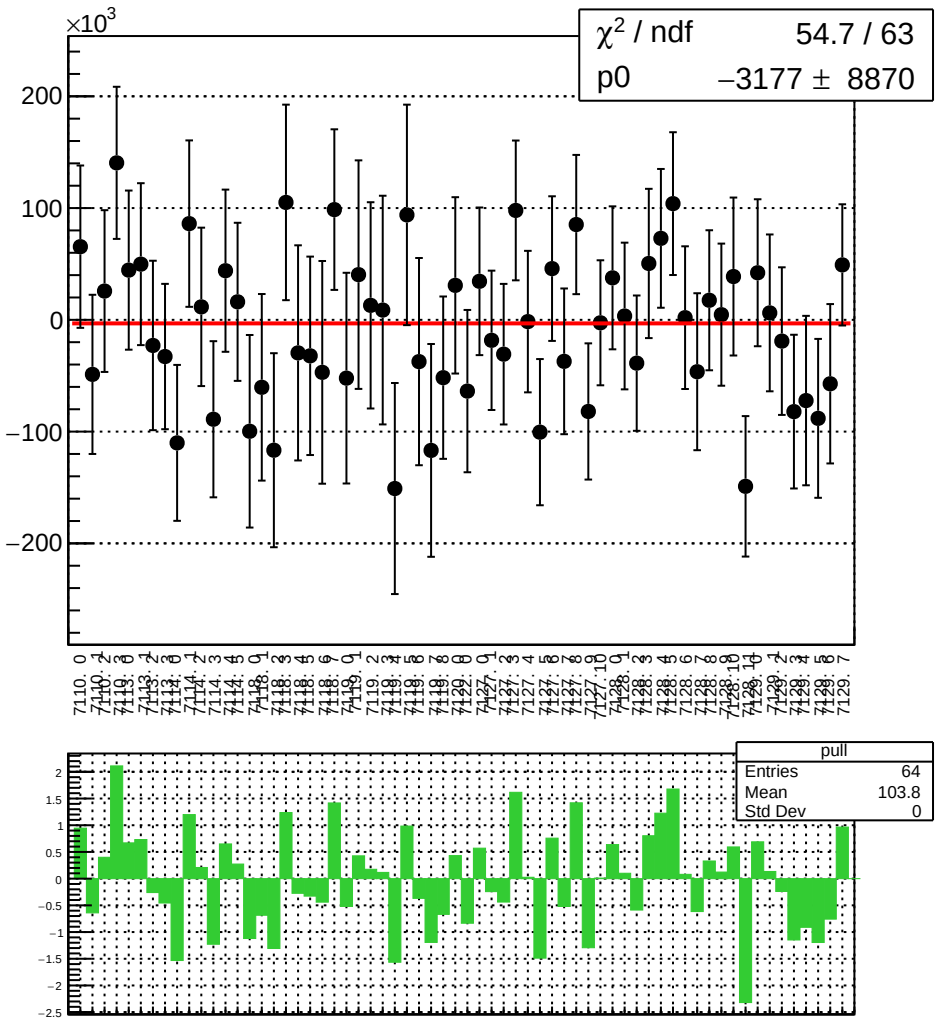

pull1D
Entries 64
Mean −0.02265
Std Dev 0.9242
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

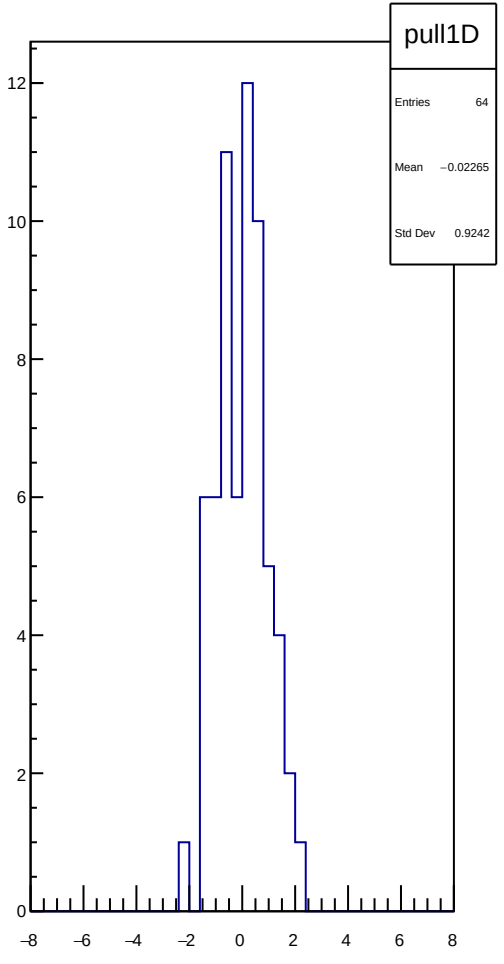

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.79e+04 / 63
p0 6865 ± 6.272
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500

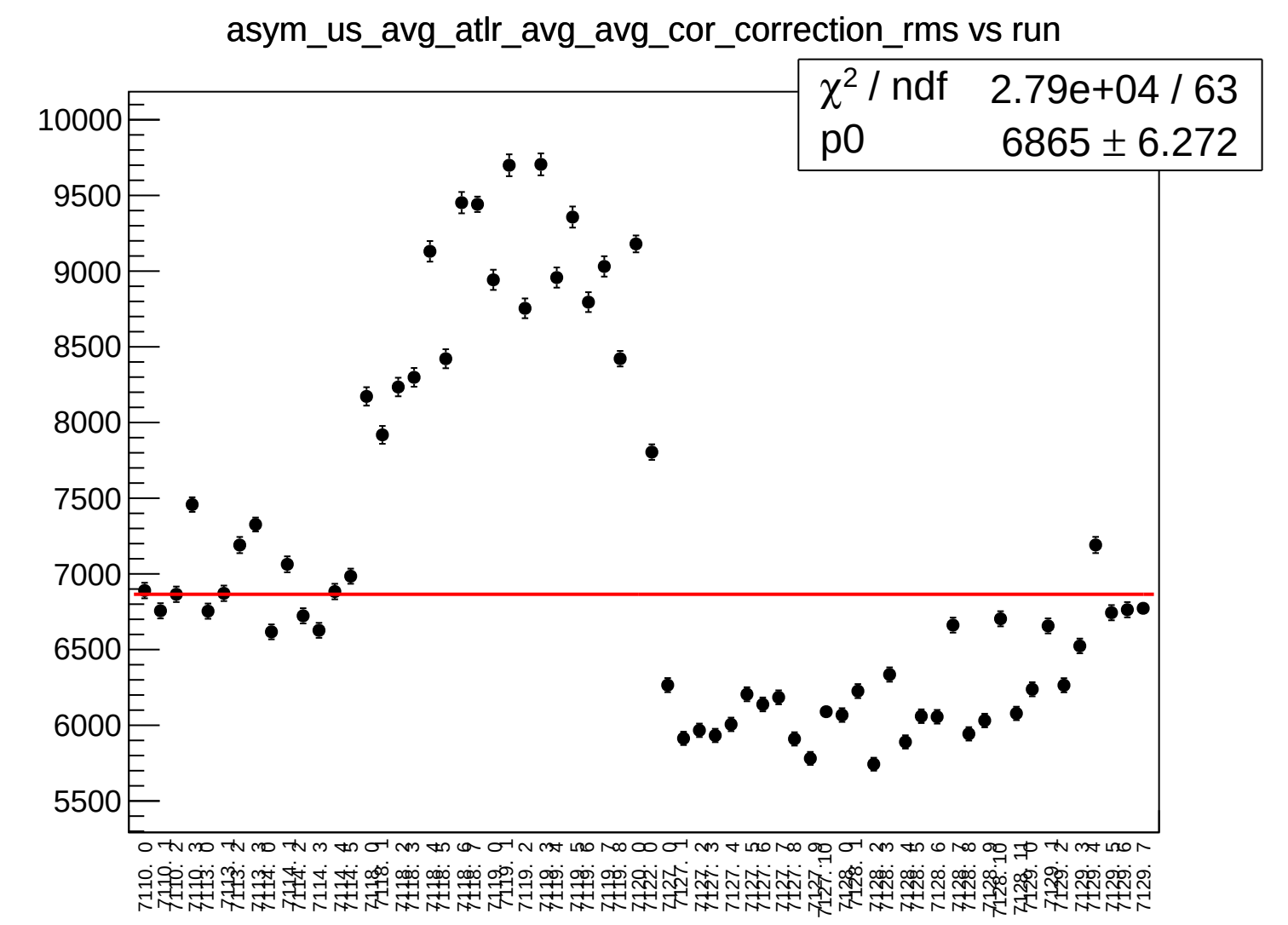

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 59.31 / 63
p0 7540 ± 2322
pull
Entries 64
Mean −190.9
Std Dev 0

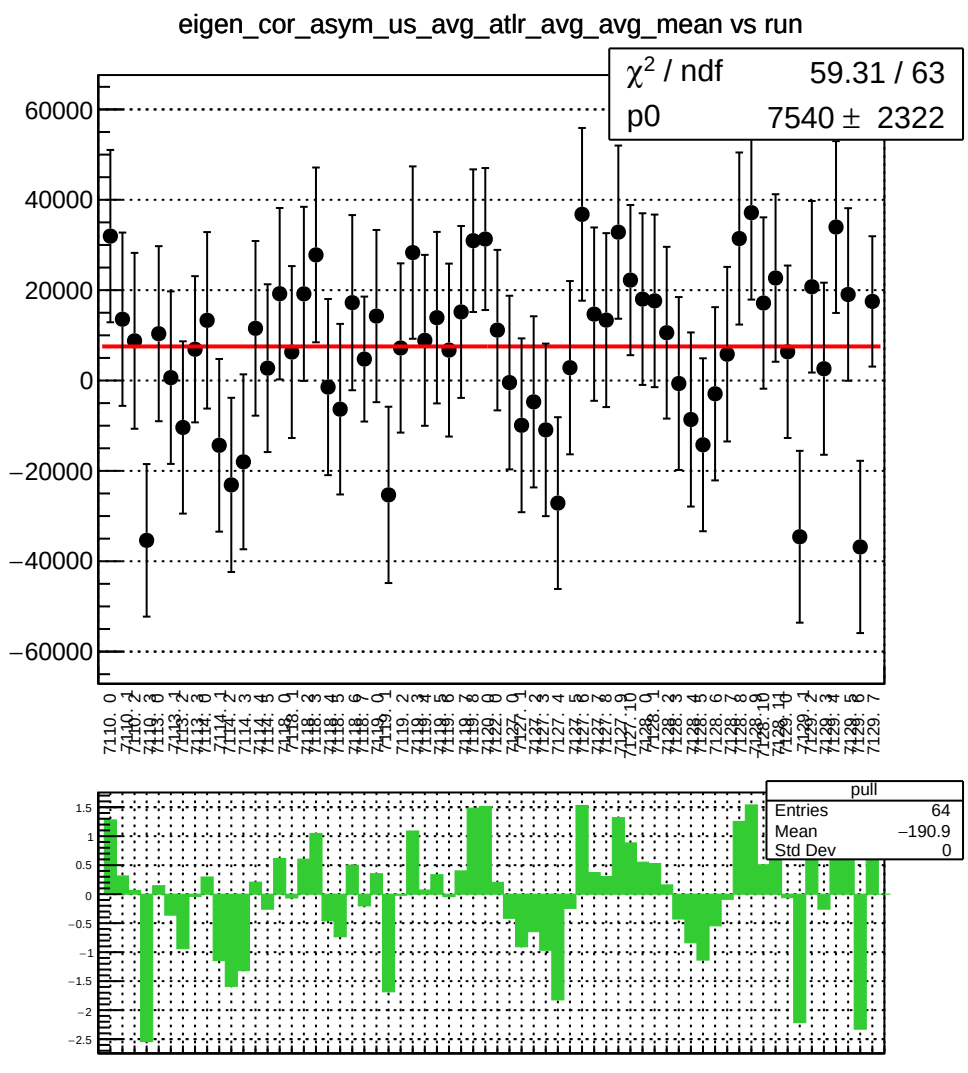

pull1D
Entries 64
Mean −0.01004
Std Dev 0.9626

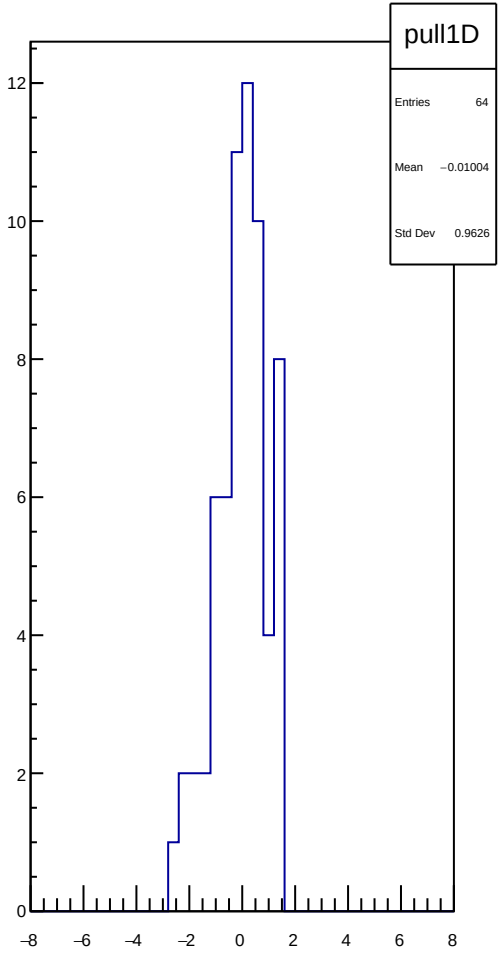

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 144.2 / 63
p0 1818 ± 1.642
1920
1900
1880
1860
1840
1820
1800
1780
1760

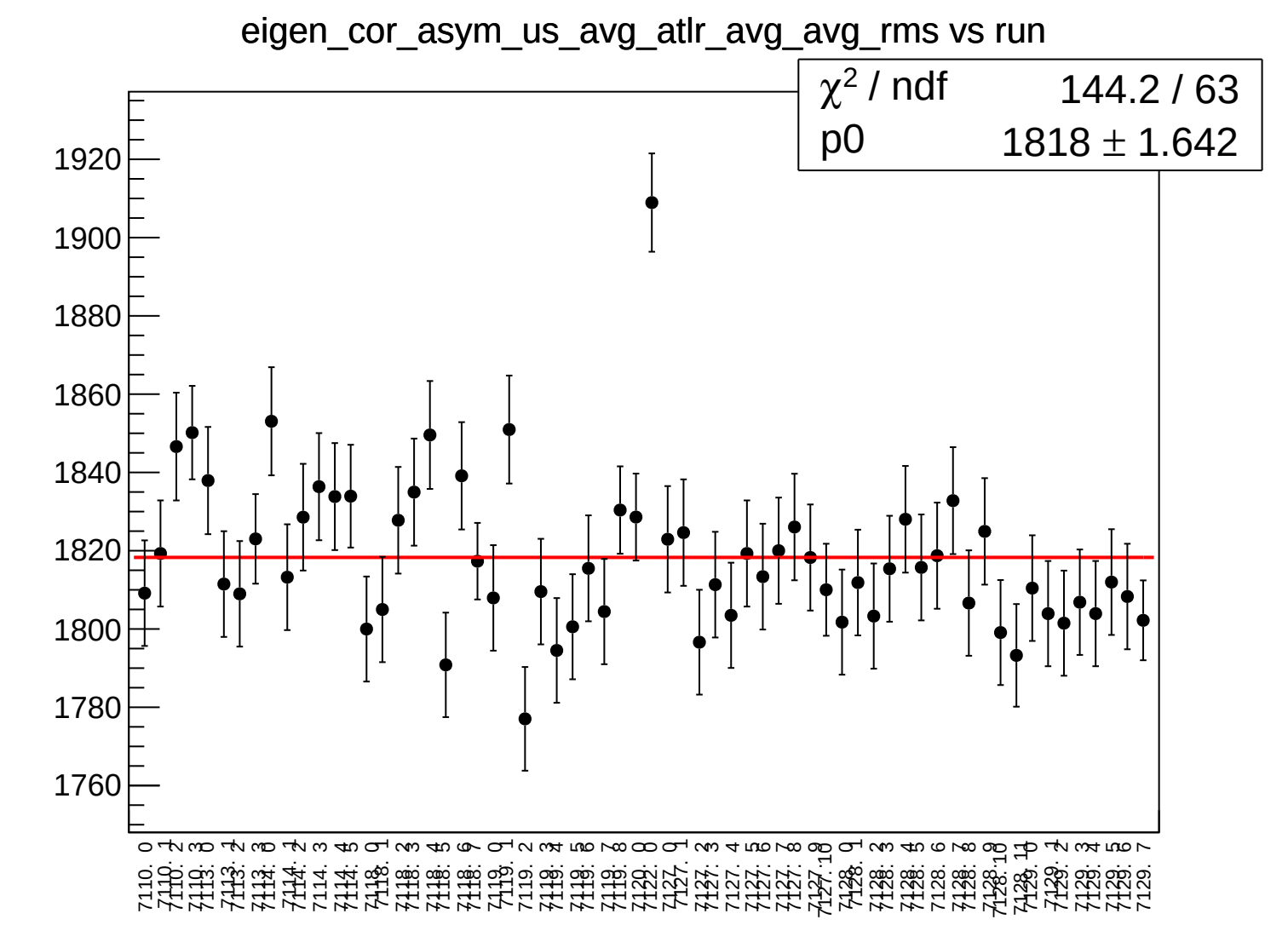

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.7 / 63
p0 −3177 ± 8870
200
100
0
−100
−200
pull
Entries 64
Mean 103.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

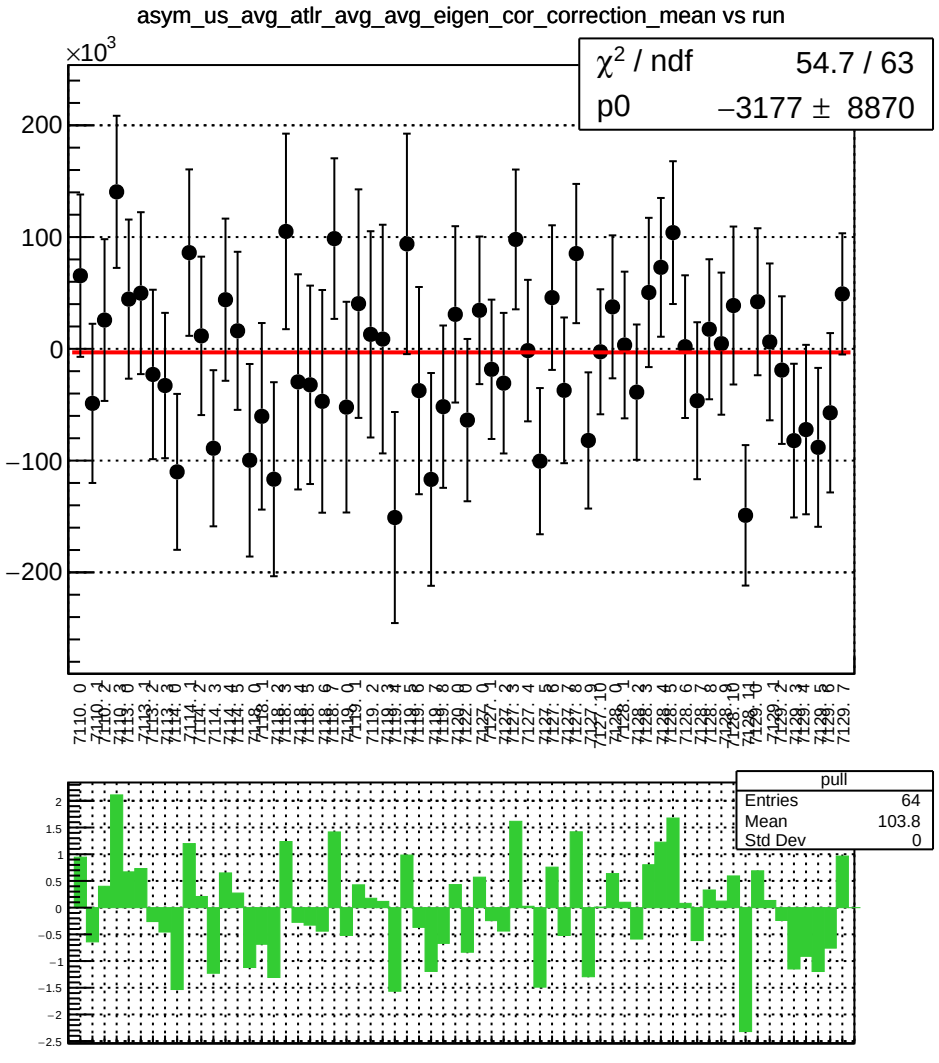

pull1D
Entries 64
Mean −0.02265
Std Dev 0.9242
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

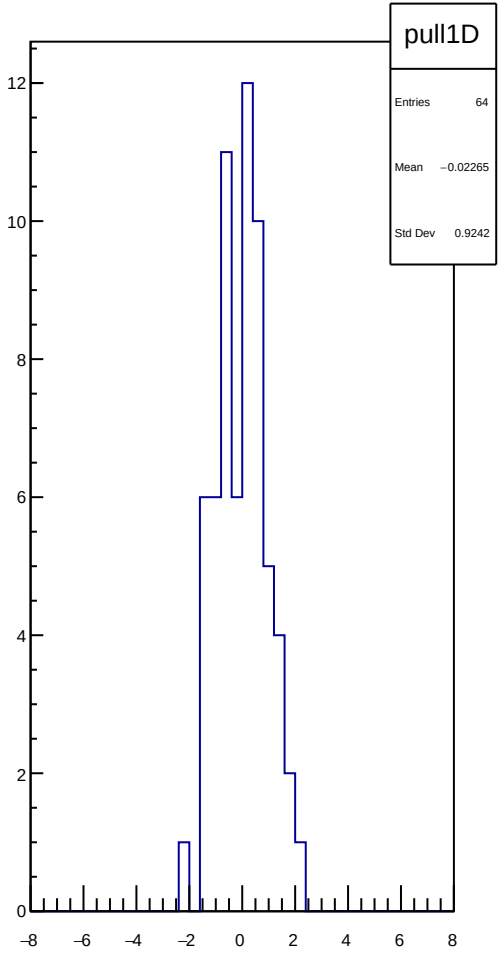

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.79e+04 / 63
p0 6865 ± 6.272
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500

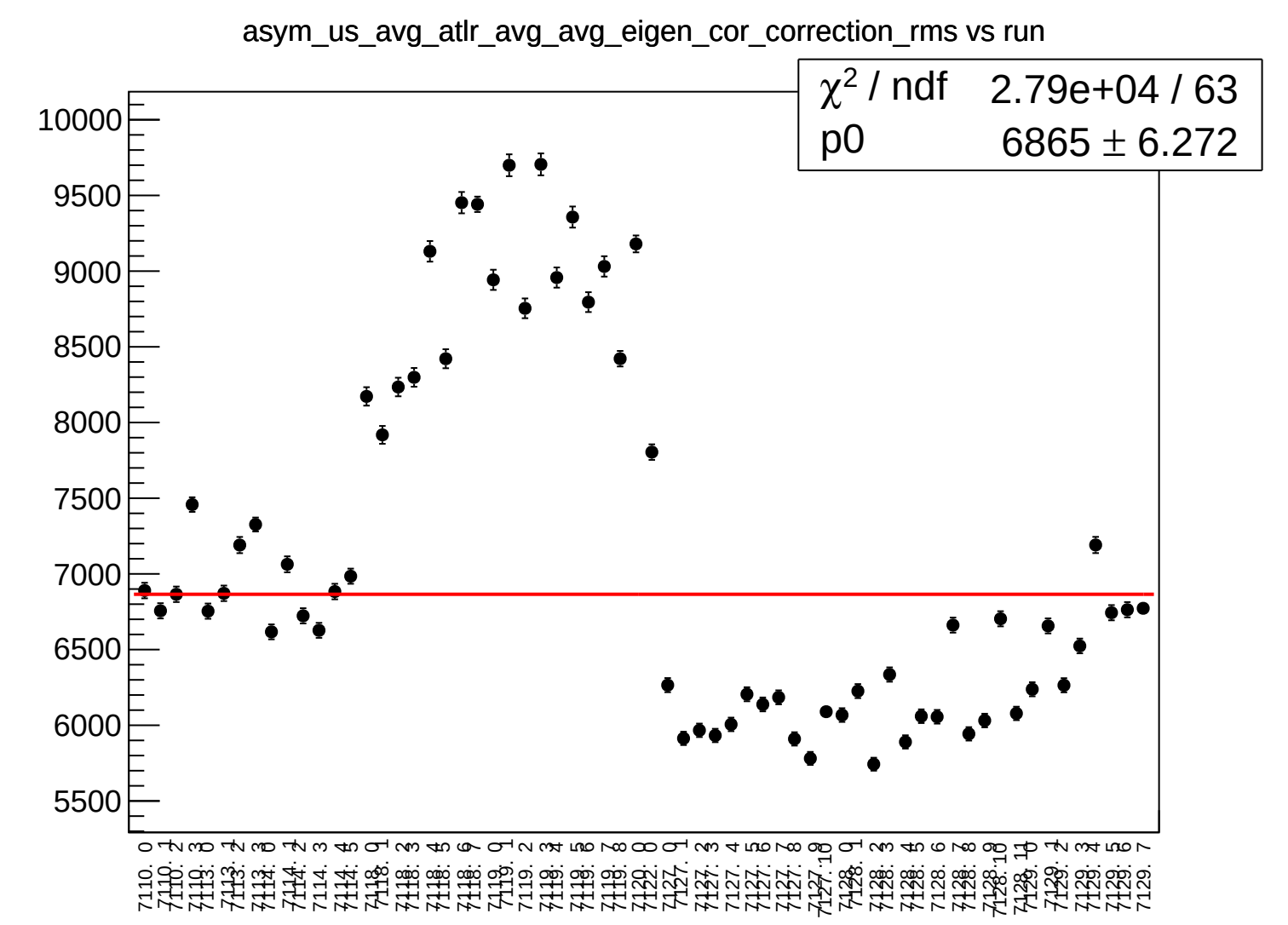

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 59.31 / 63
p0 7540 ± 2322
pull
Entries 64
Mean −190.9
Std Dev 0

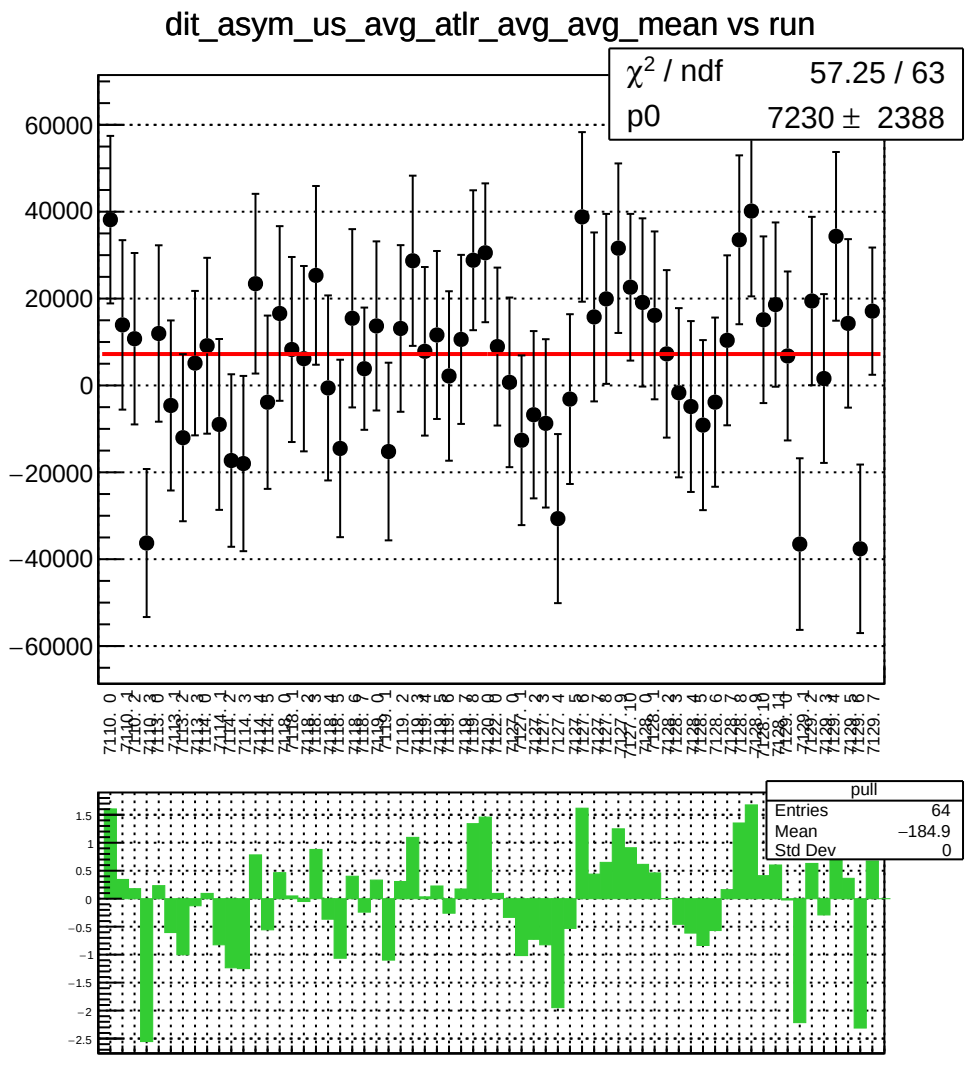

pull1D
Entries 64
Mean −0.01004
Std Dev 0.9626

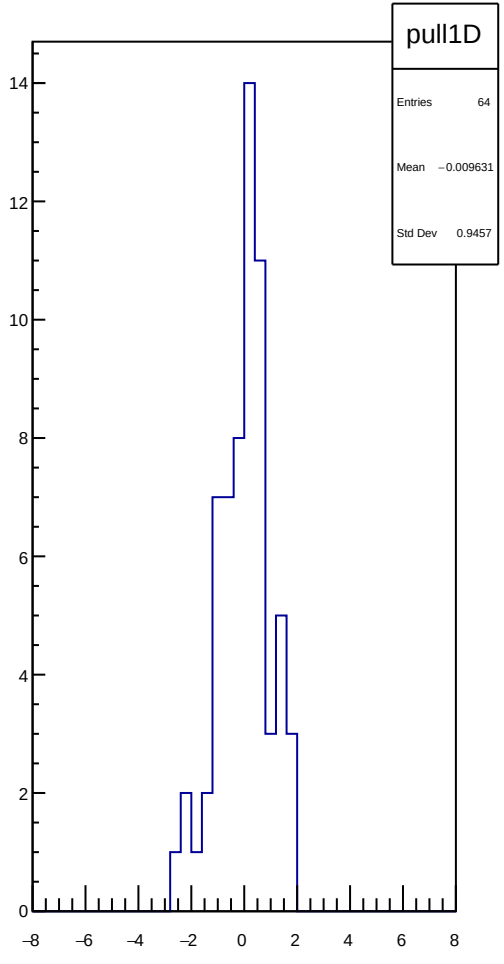

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 144.2 / 63
p0 1818 ± 1.642
1920
1900
1880
1860
1840
1820
1800
1780
1760

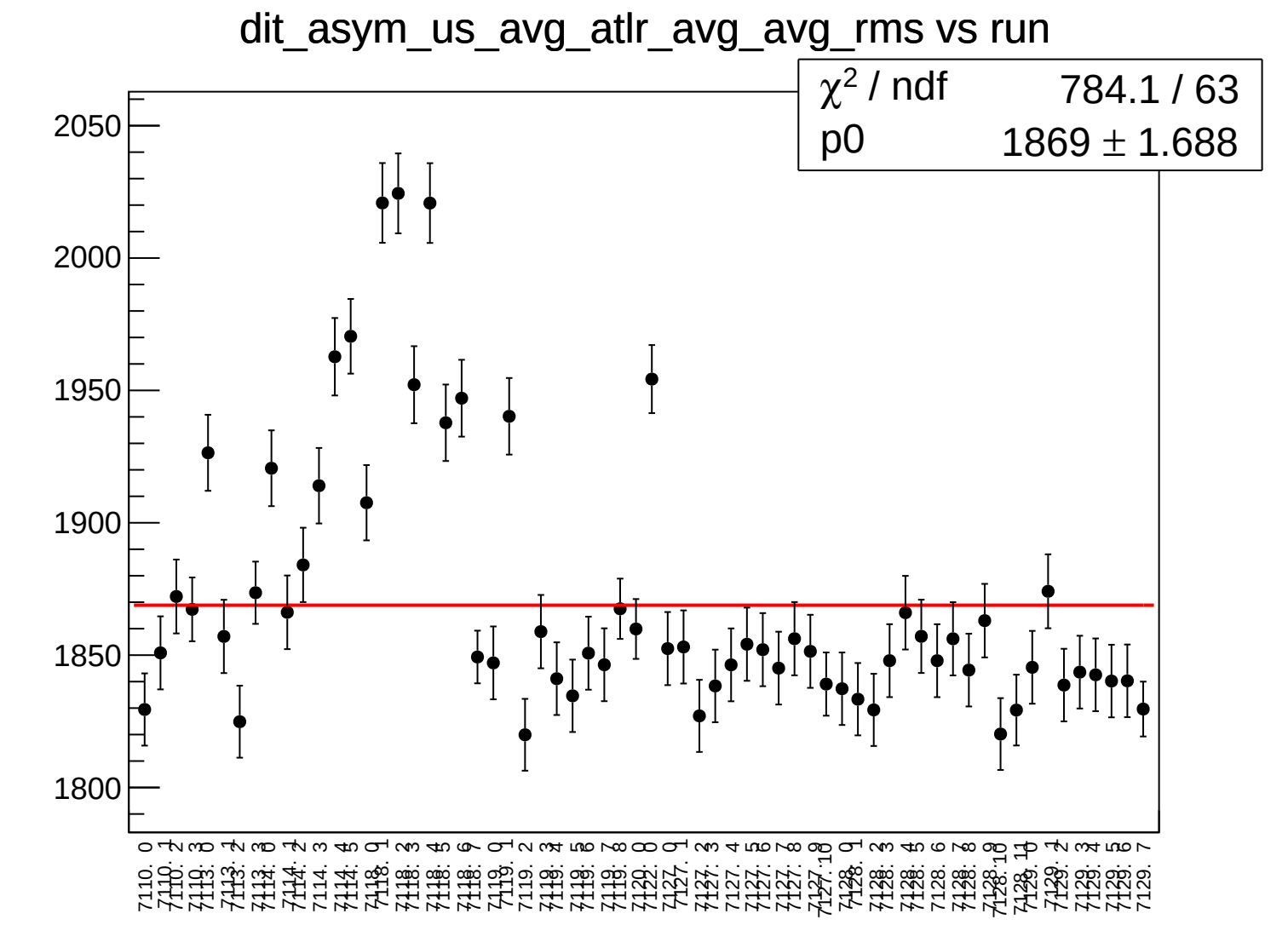

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.7 / 63
p0 −3177 ± 8870
200
100
0
−100
−200
pull
Entries 64
Mean 103.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

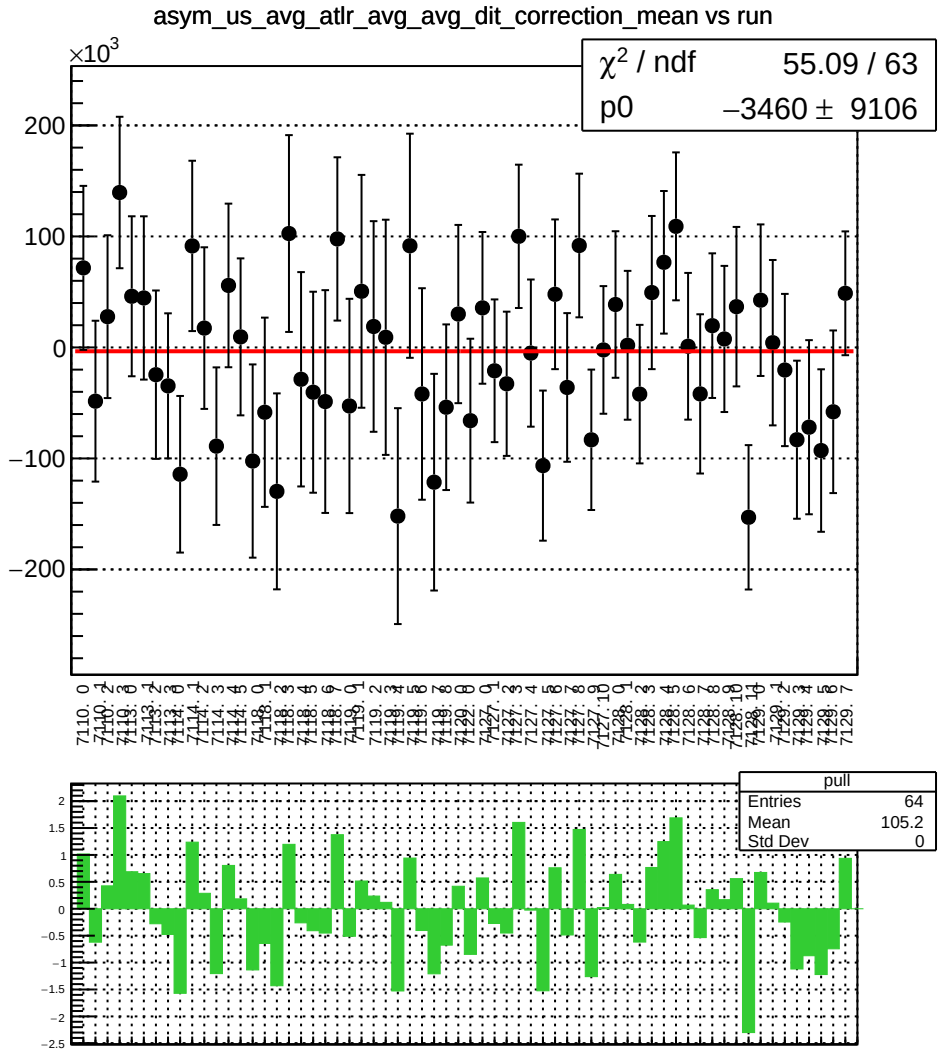

pull1D
Entries 64
Mean −0.02265
Std Dev 0.9242
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

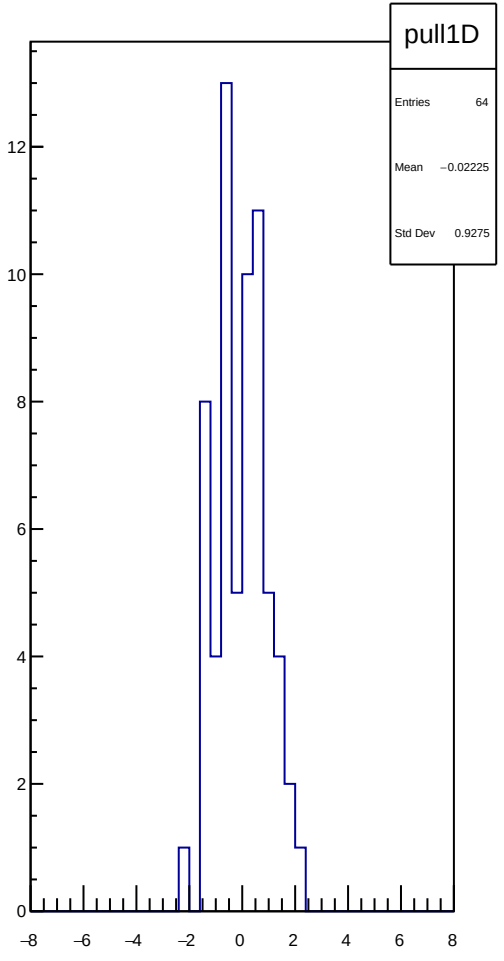

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.79e+04 / 63
p0 6865 ± 6.272
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500

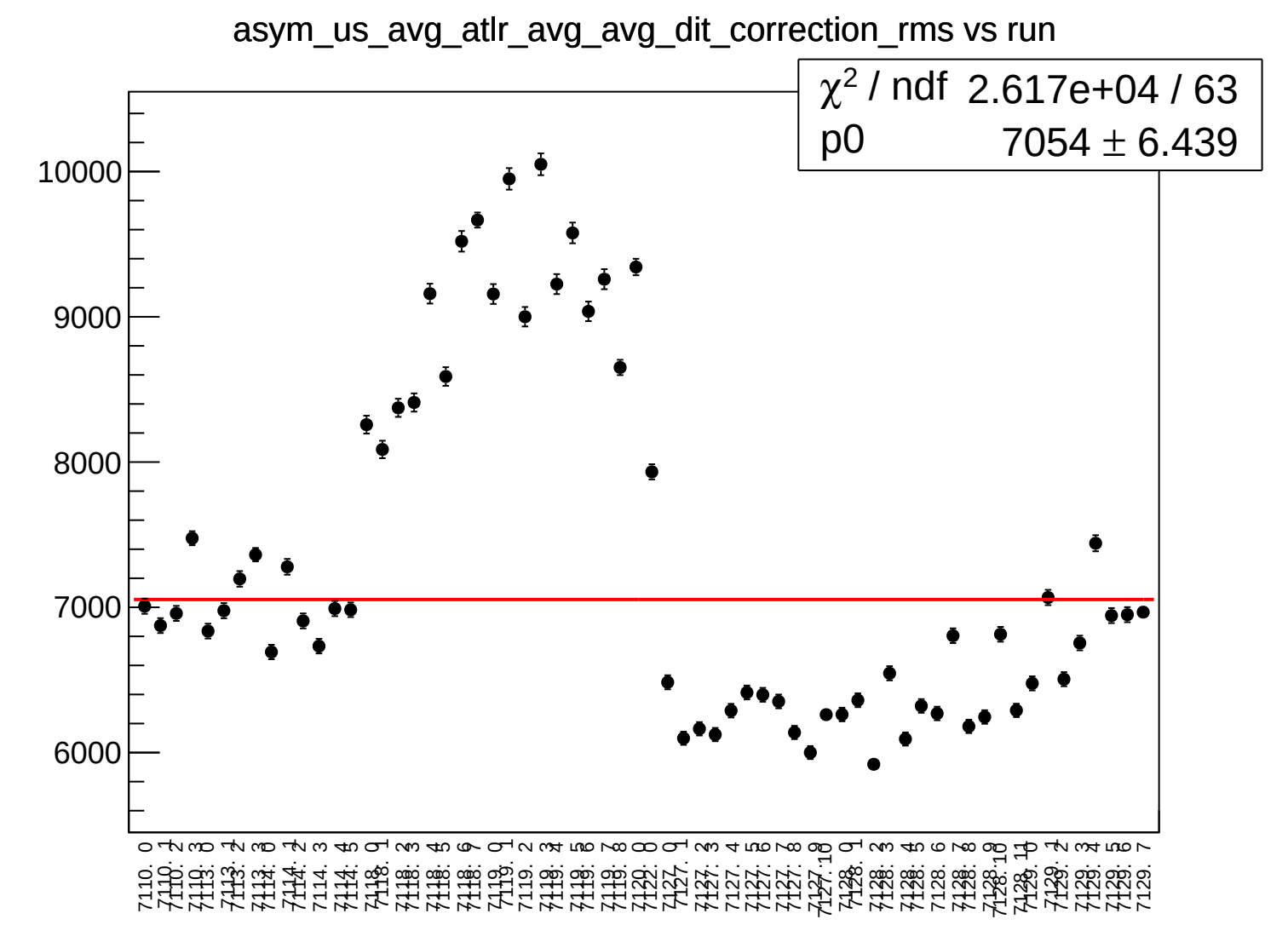

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 57.25 / 63
p0 7230 ± 2388
pull
Entries 64
Mean −184.9
Std Dev 0

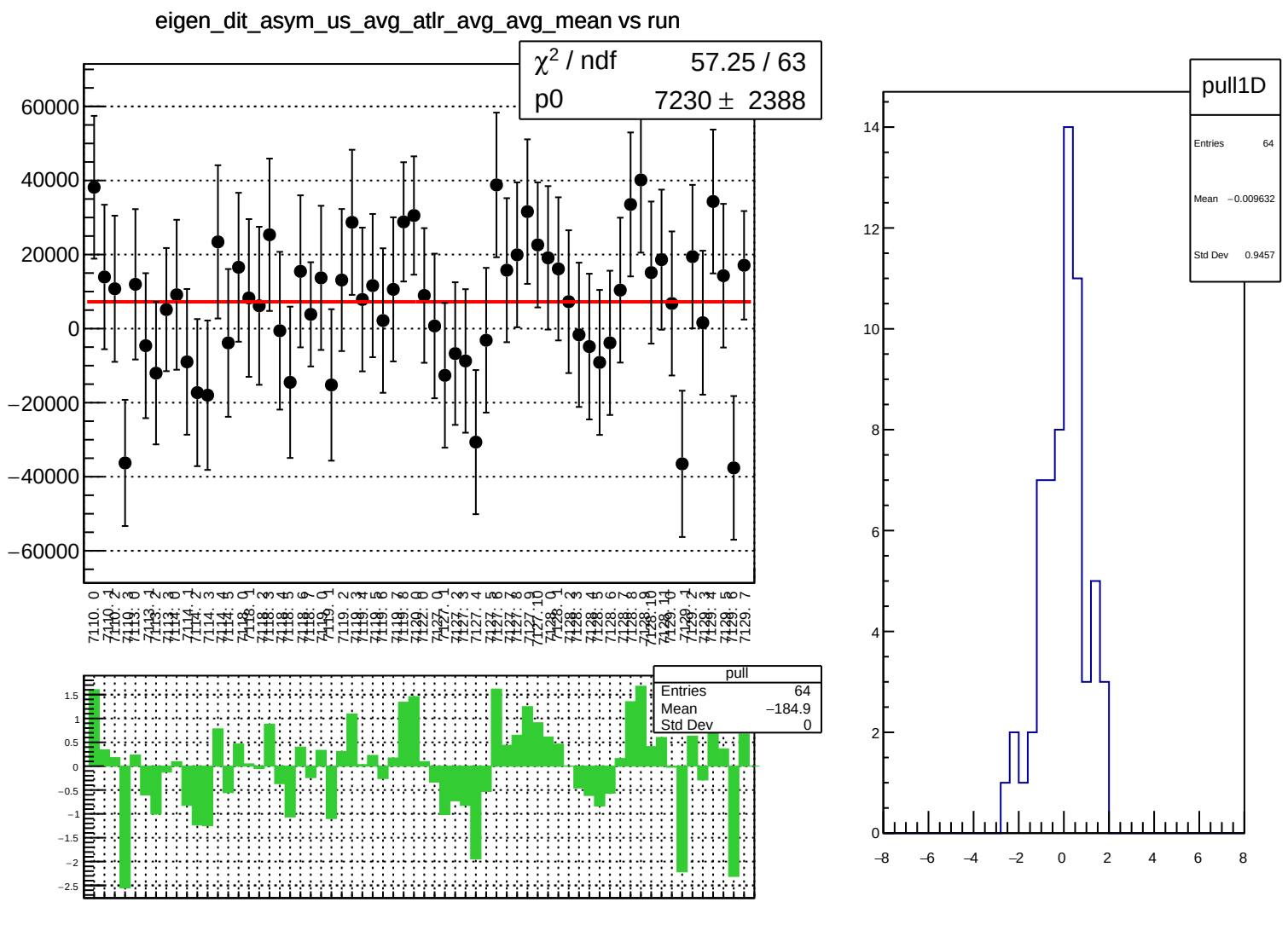

pull1D
Entries 64
Mean −0.009631
Std Dev 0.9457

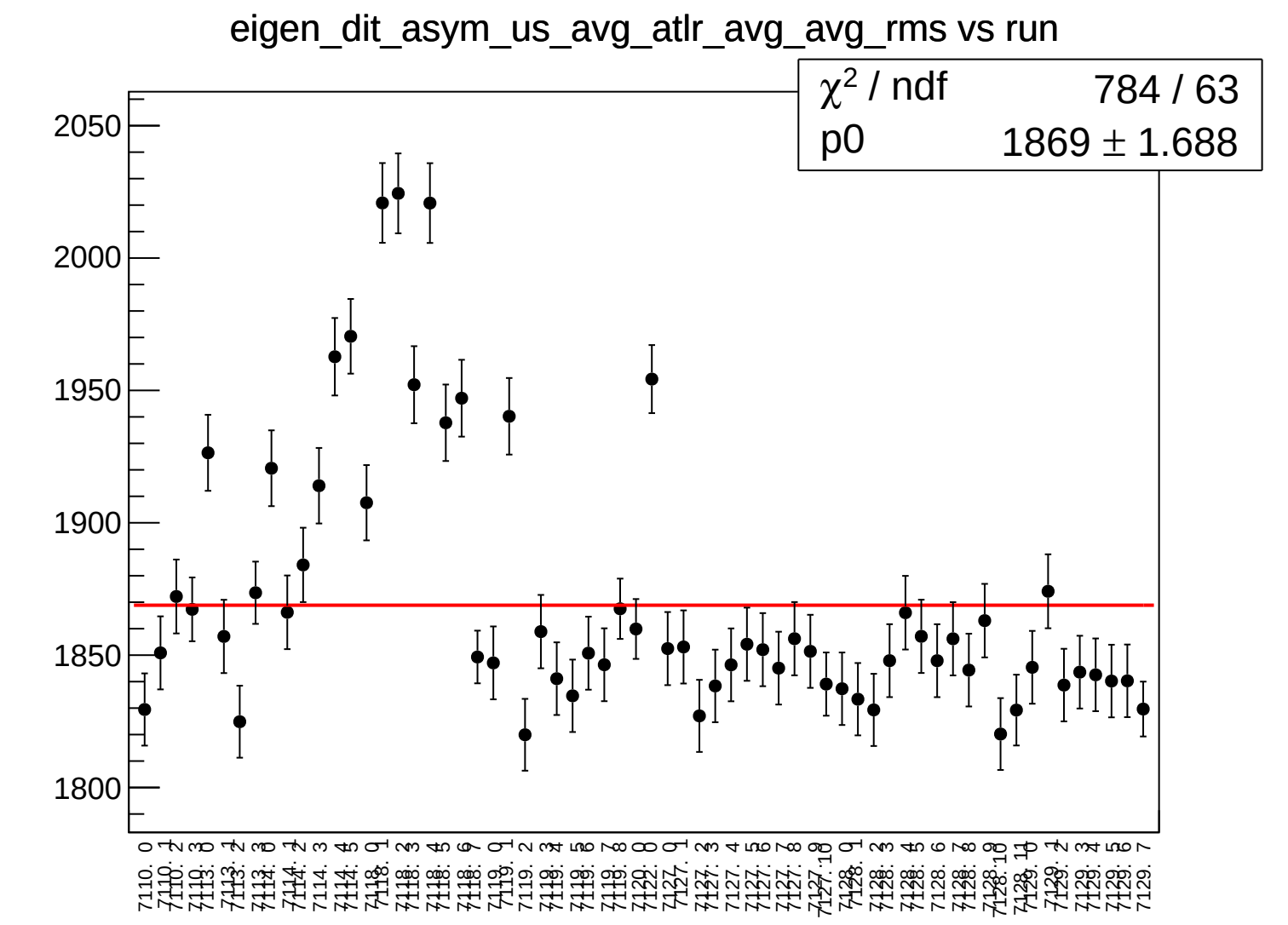

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 784.1 / 63
p0 1869 ± 1.688
2050
2000
1950
1900
1850
1800

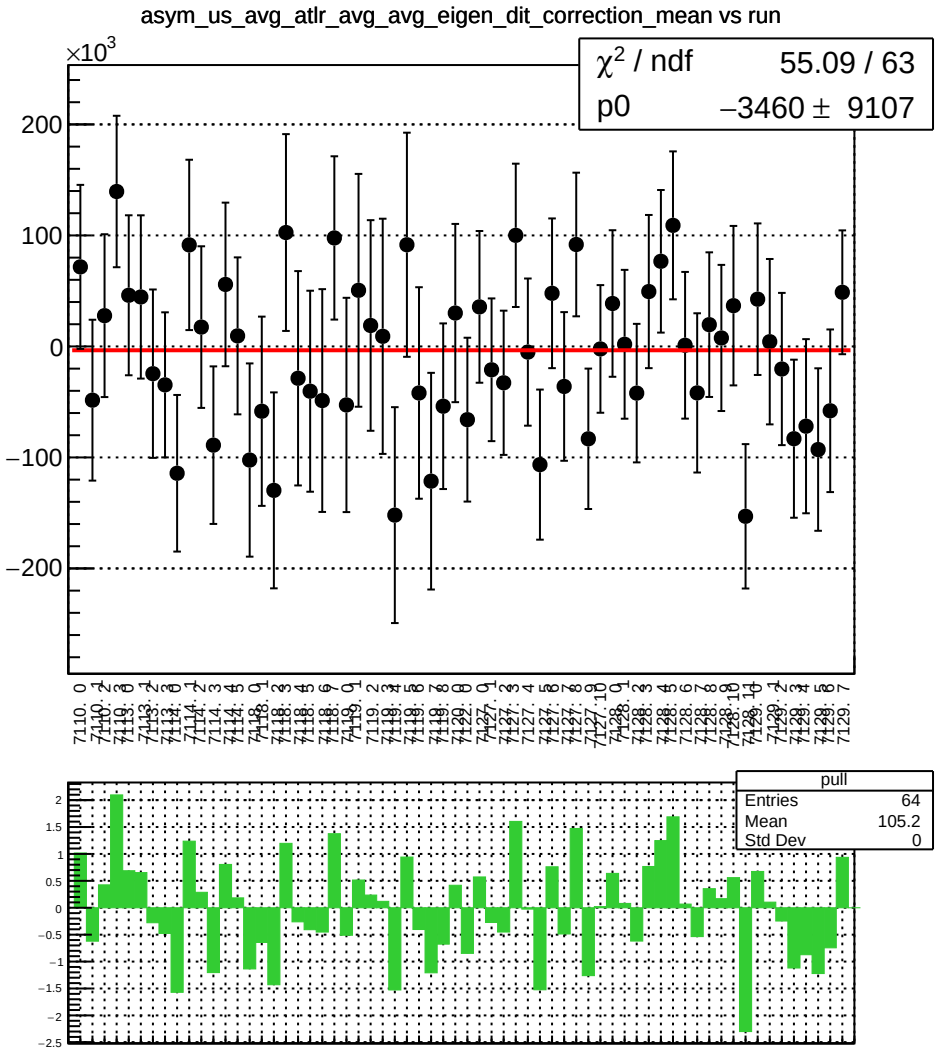

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.09 / 63
p0 −3460 ± 9106
pull
Entries 64
Mean 105.2
Std Dev 0

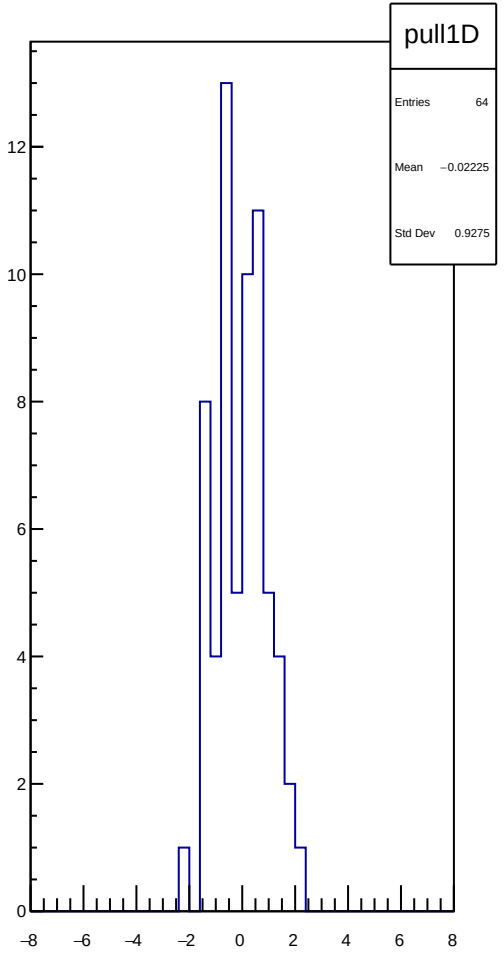

pull1D
Entries 64
Mean −0.02225
Std Dev 0.9275

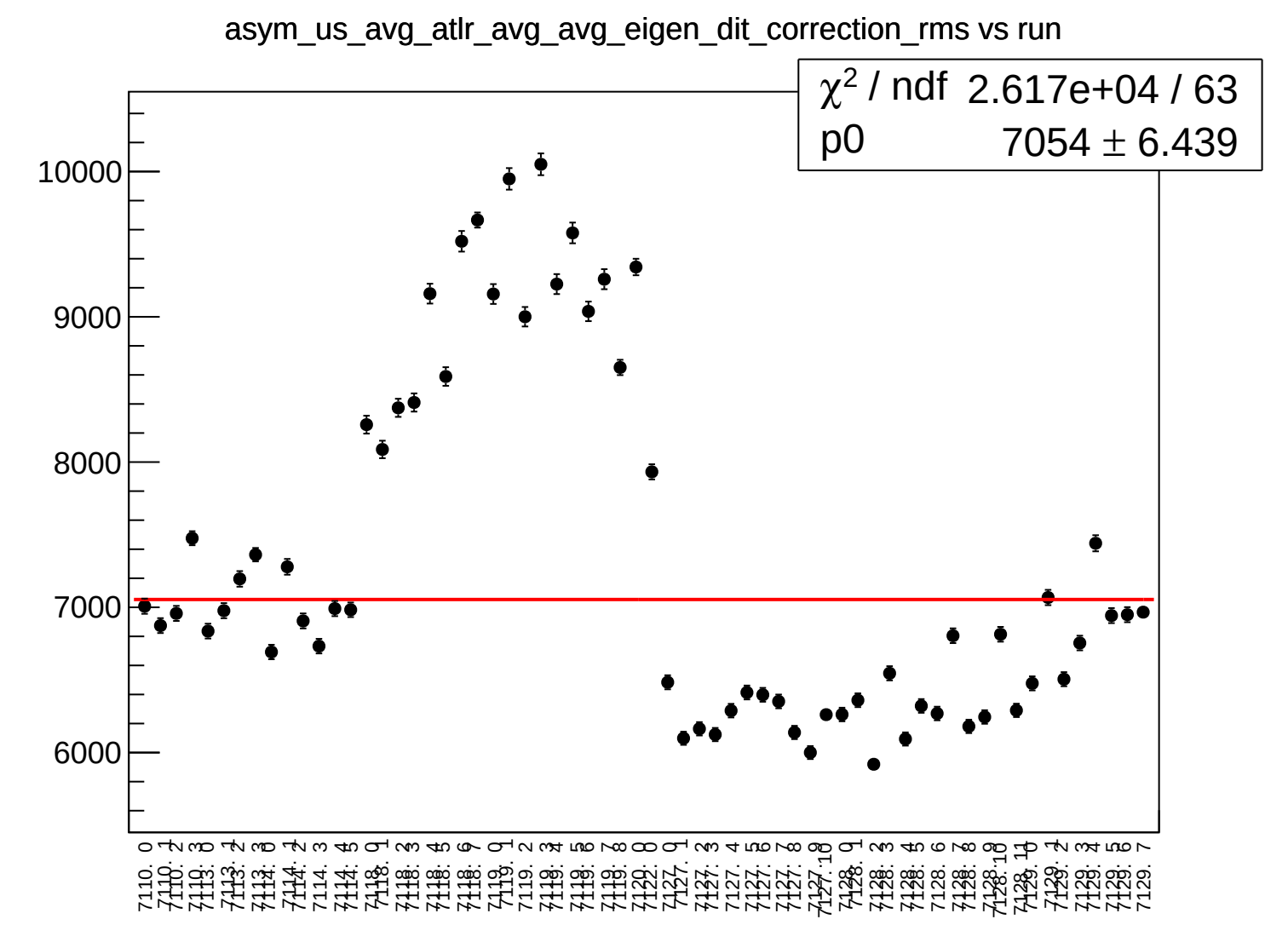

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.617e+04 / 63
p0 7054 ± 6.439
10000
9000
8000
7000
6000

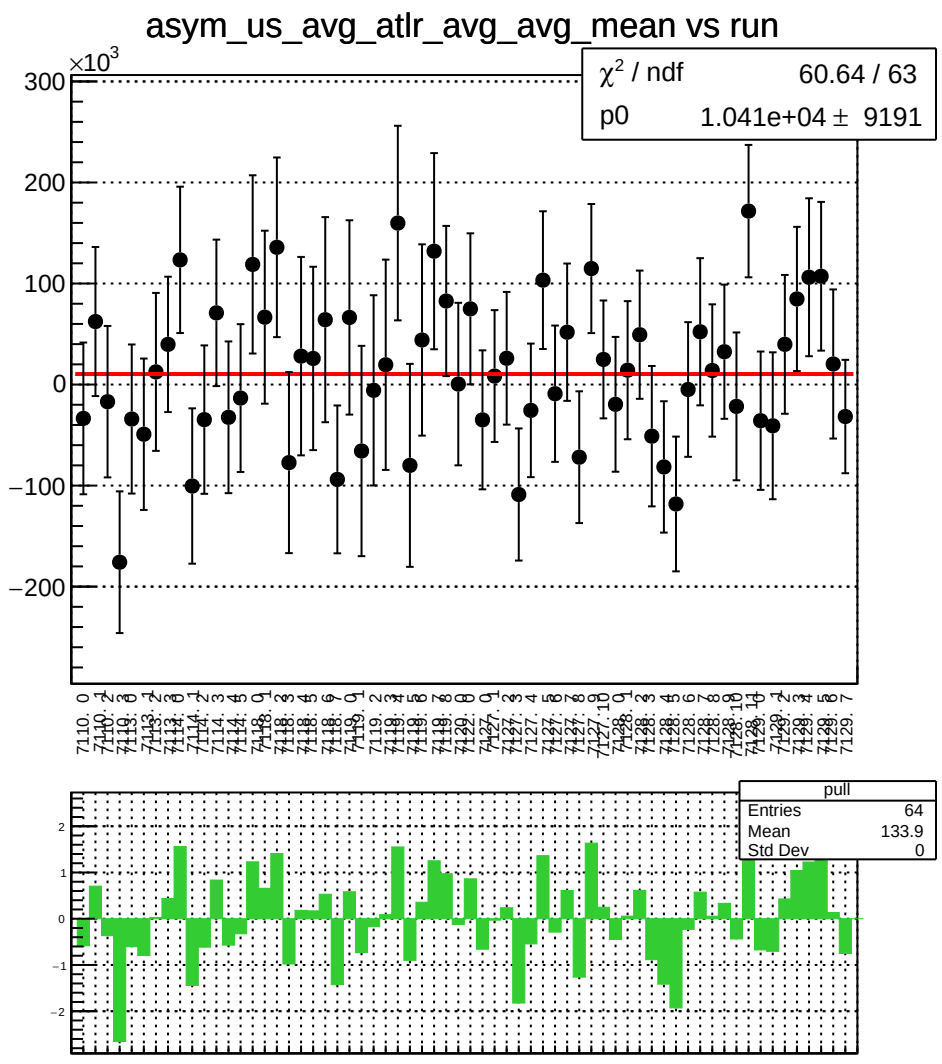

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 57.25 / 63
p0 7230 ± 2388
pull
Entries 64
Mean −184.9
Std Dev 0
pull1D
Entries 64
Mean −0.009632
Std Dev 0.9457

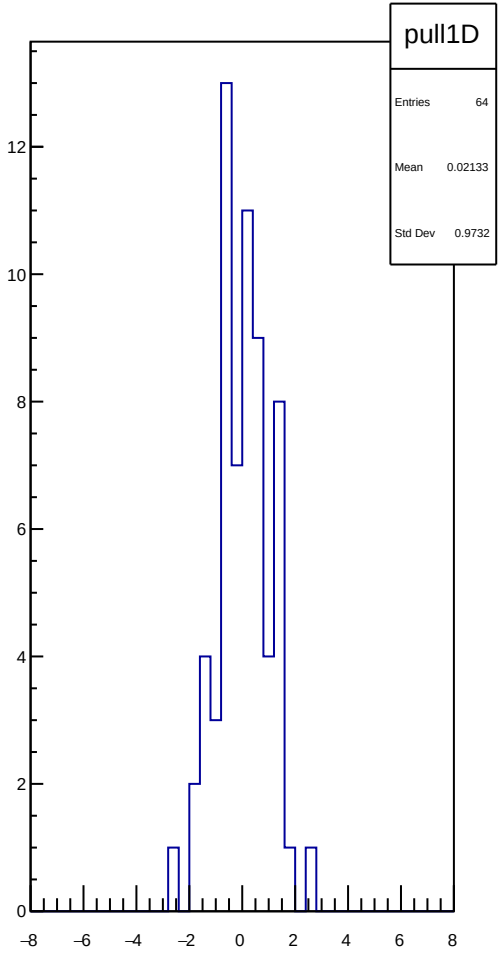

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 784 / 63
p0 1869 ± 1.688
2050
2000
1950
1900
1850
1800

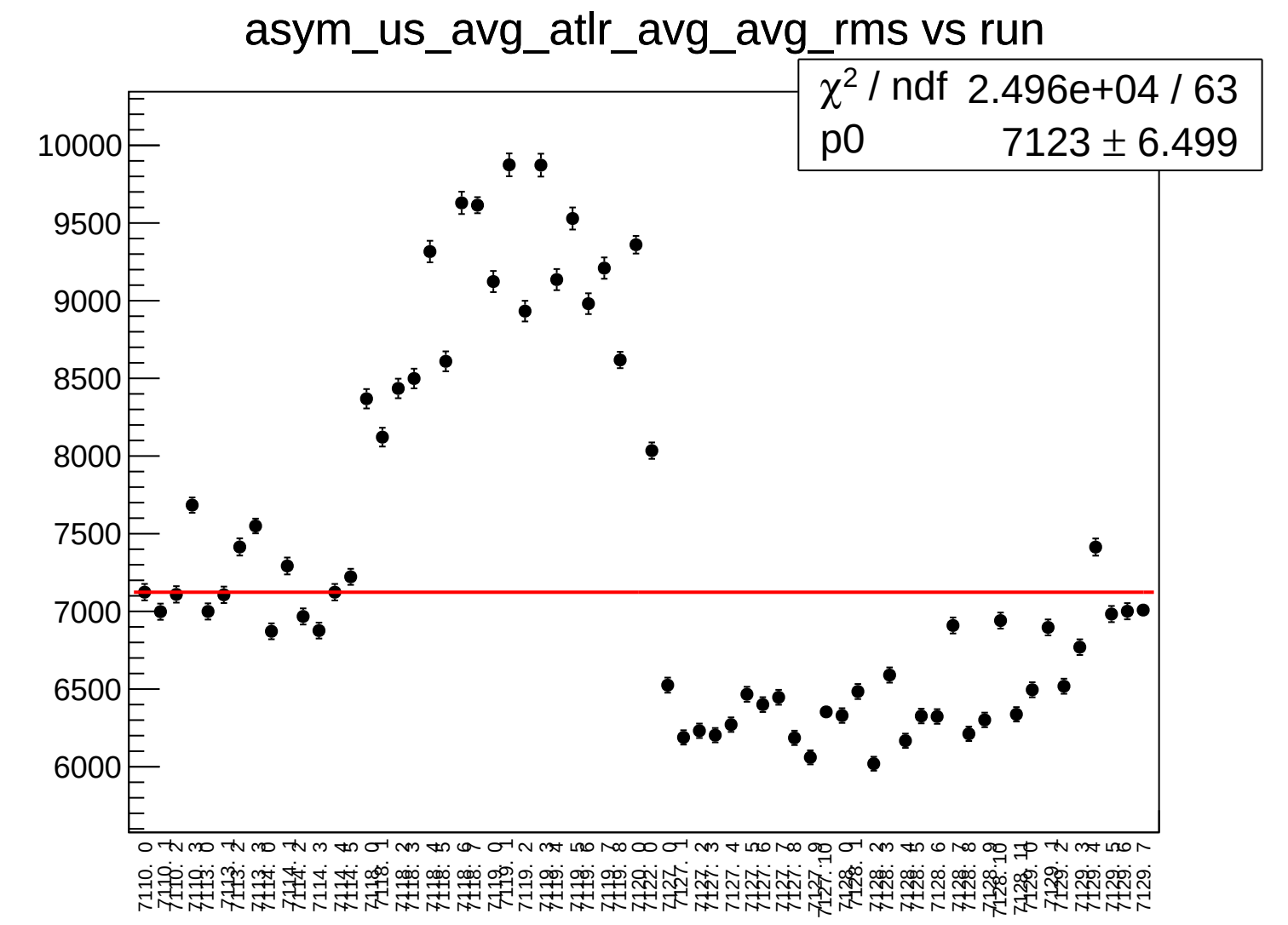

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.09 / 63
p0 −3460 ± 9107
pull
Entries 64
Mean 105.2
Std Dev 0

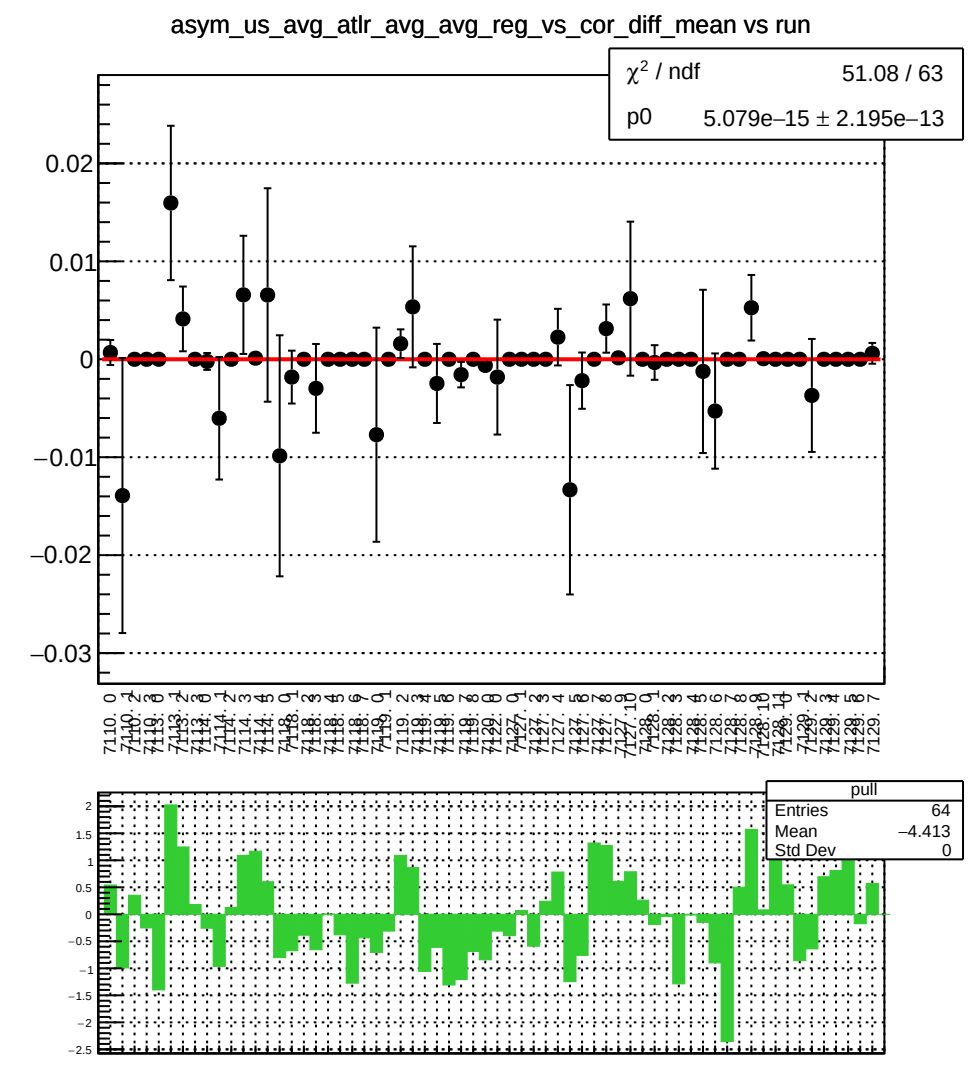

pull1D
Entries 64
Mean −0.02225
Std Dev 0.9275

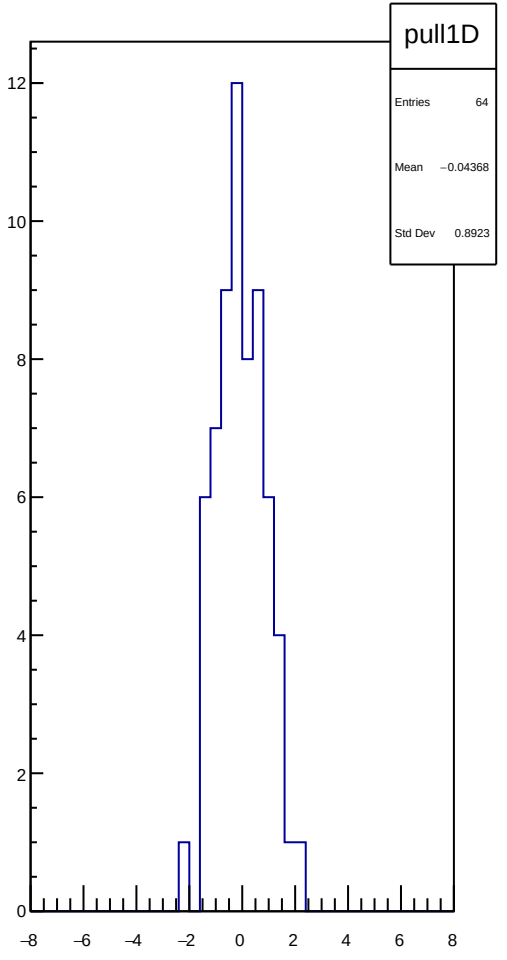

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.617e+04 / 63
p0 7054 ± 6.439
10000
9000
8000
7000
6000

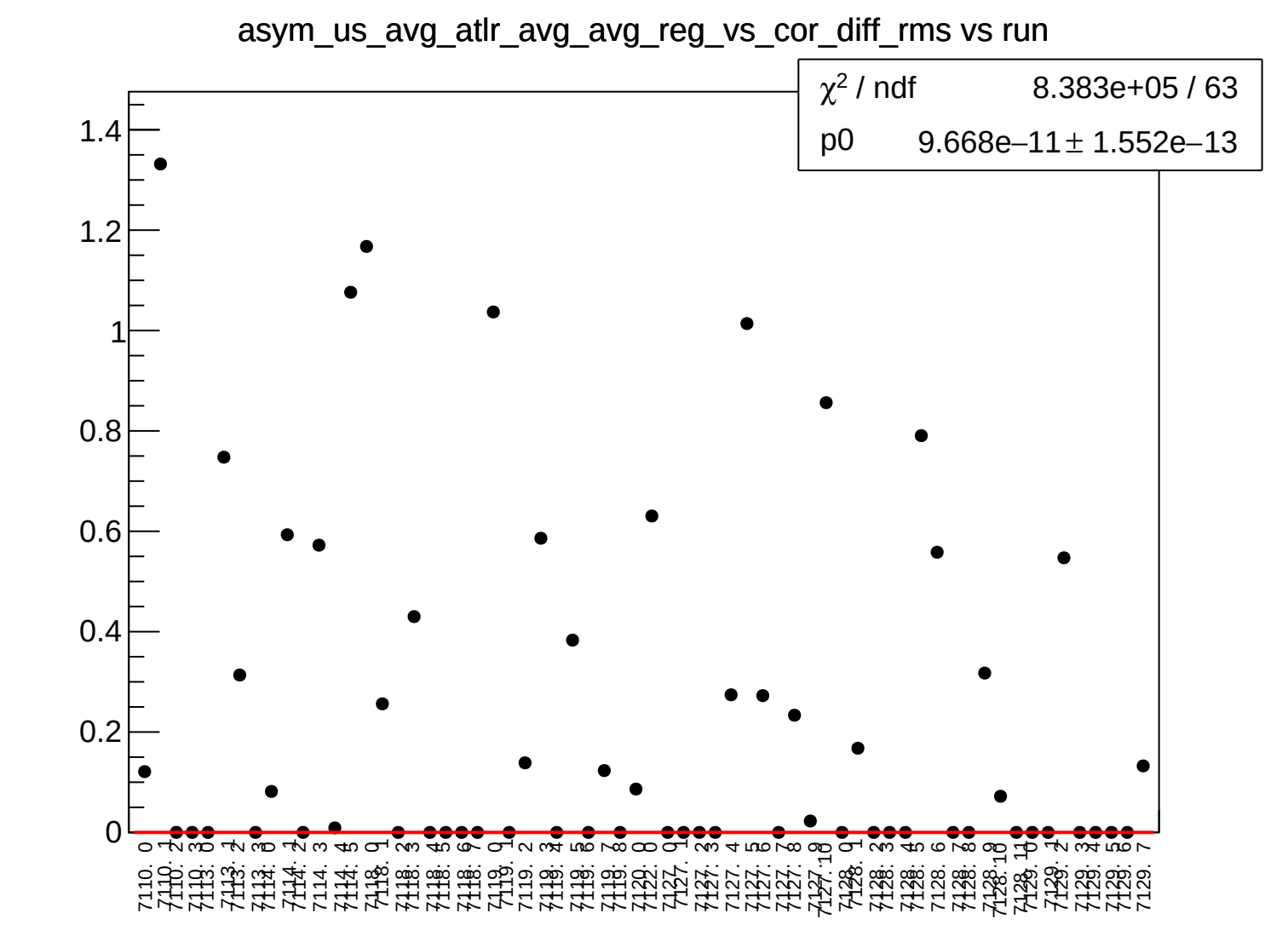

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 60.64 / 63
p0 1.041e+04 ± 9191
pull
Entries 64
Mean 133.9
Std Dev 0

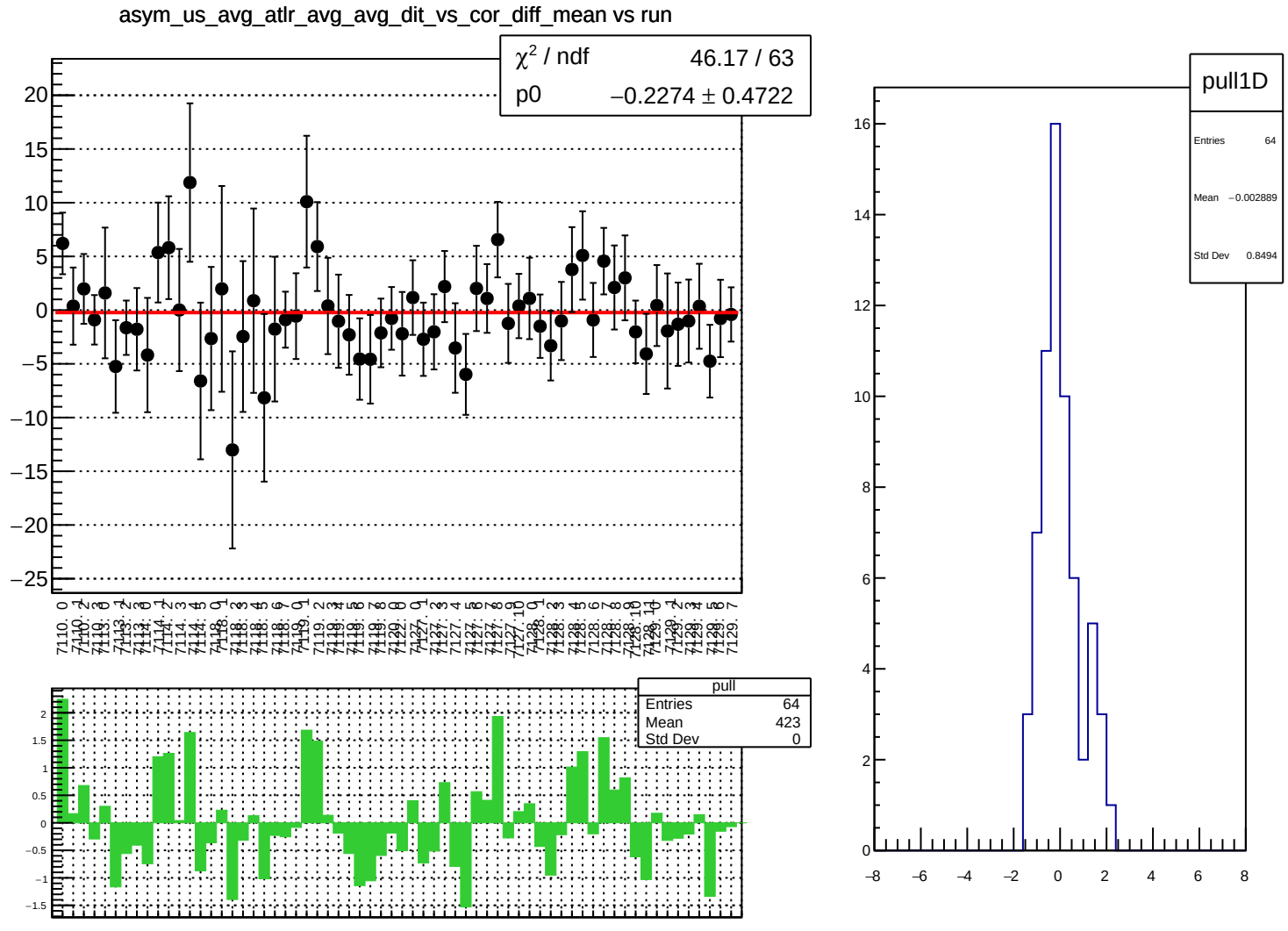

pull1D
Entries 64
Mean 0.02133
Std Dev 0.9732

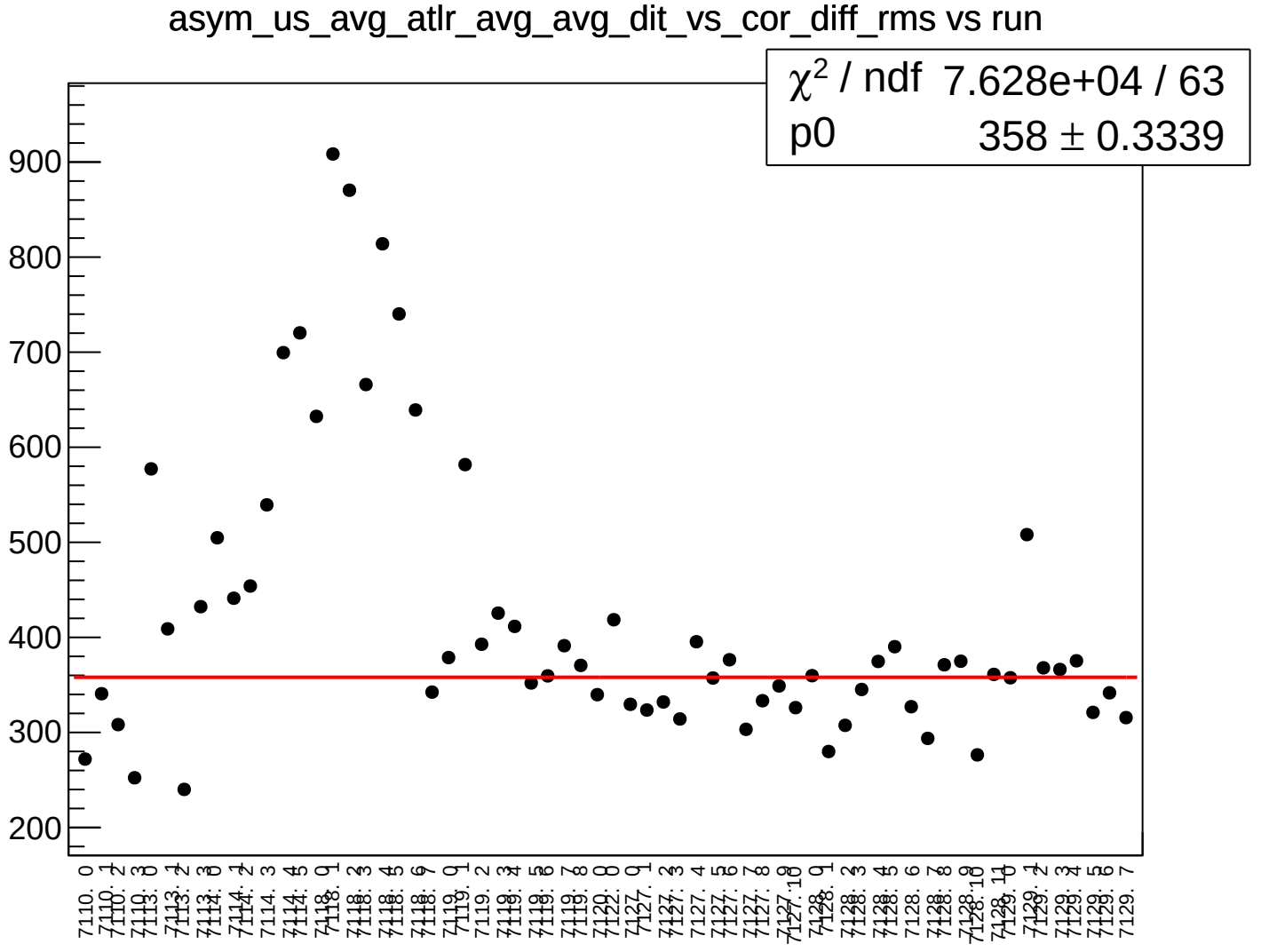

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2.496e+04 / 63
p0 7123 ± 6.499
10000
9500
9000
8500
8000
7500
7000
6500
6000

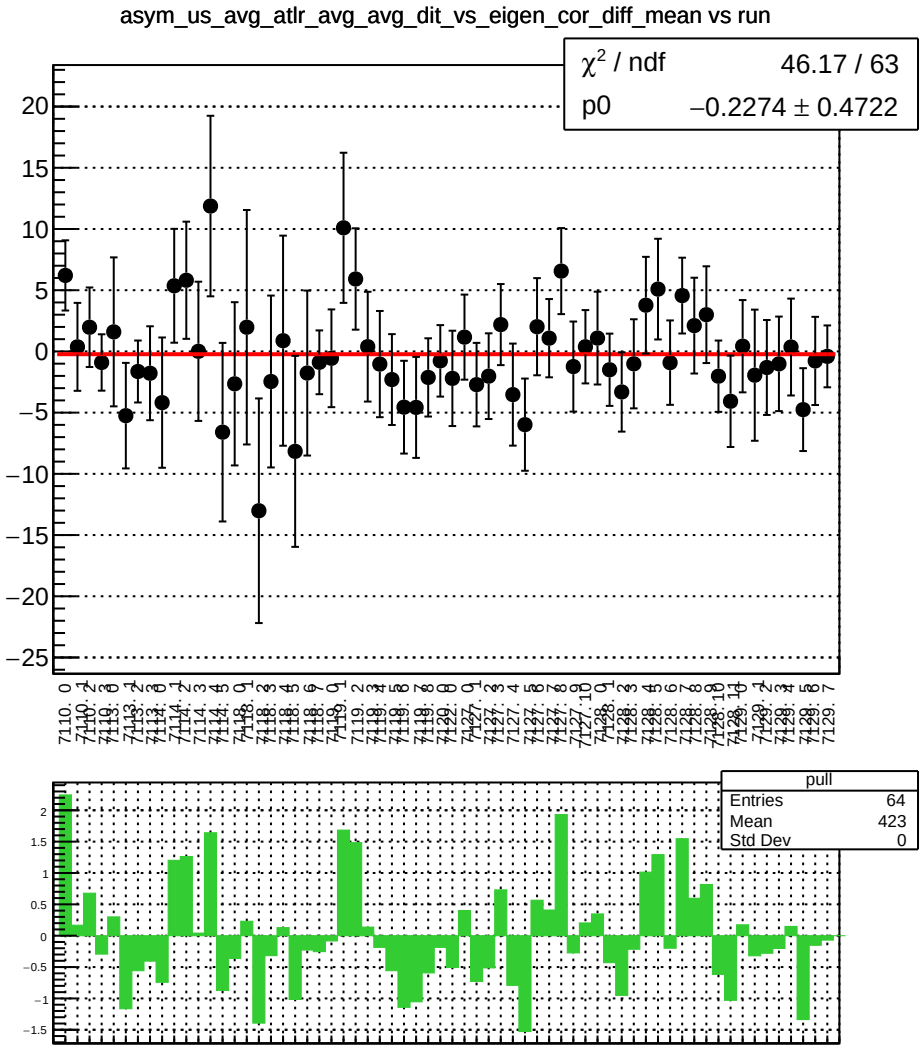

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.08 / 63
p0 5.079e−15 ± 2.195e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 64
Mean −4.413
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

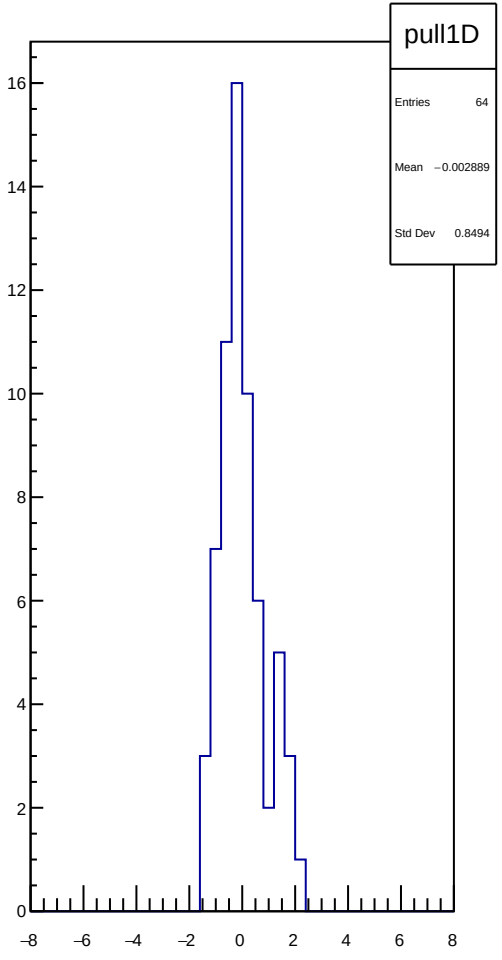

pull1D
Entries 64
Mean −0.04368
Std Dev 0.8923
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

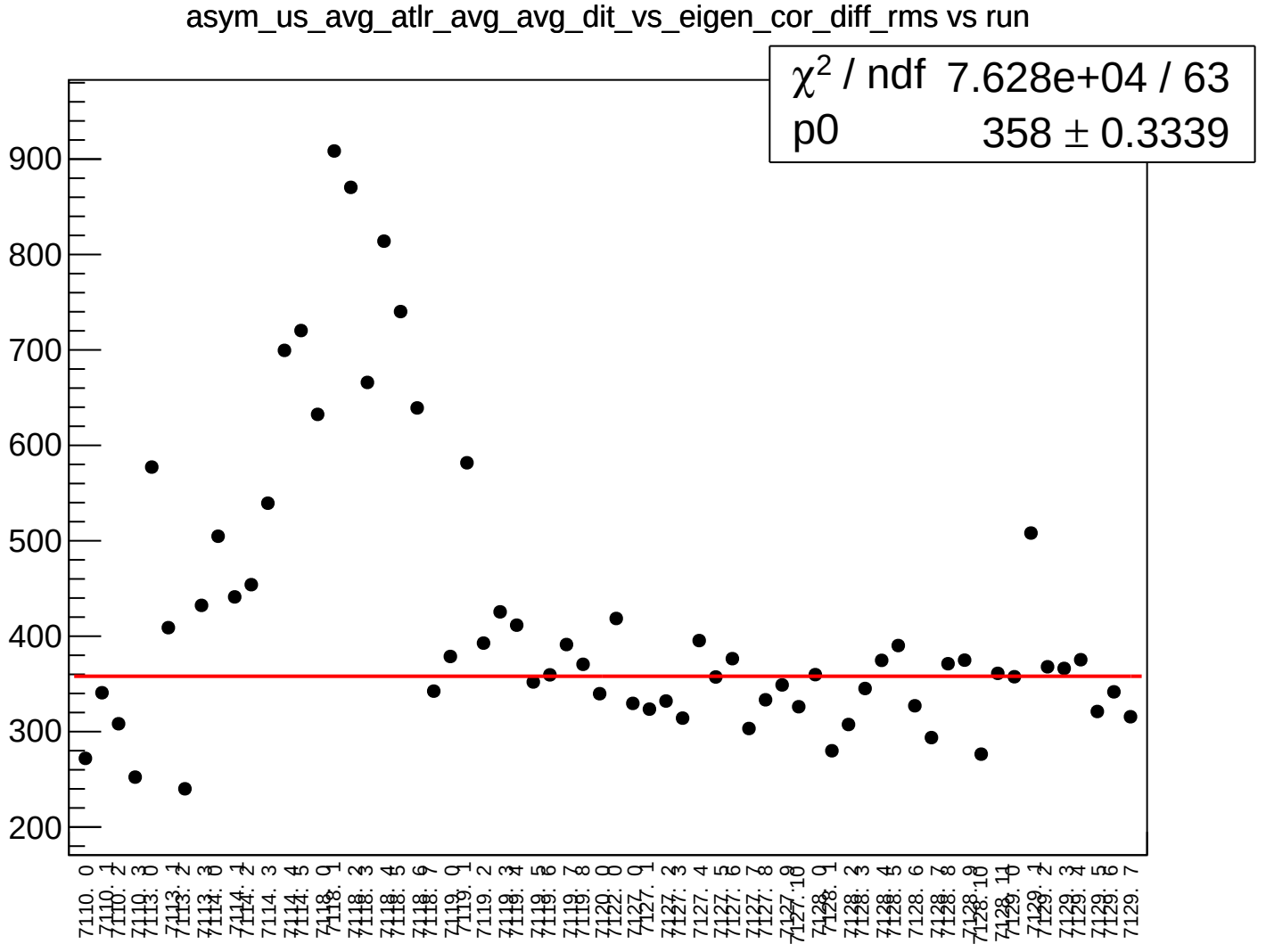

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.383e+05 / 63
p0 9.668e−11 ± 1.552e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

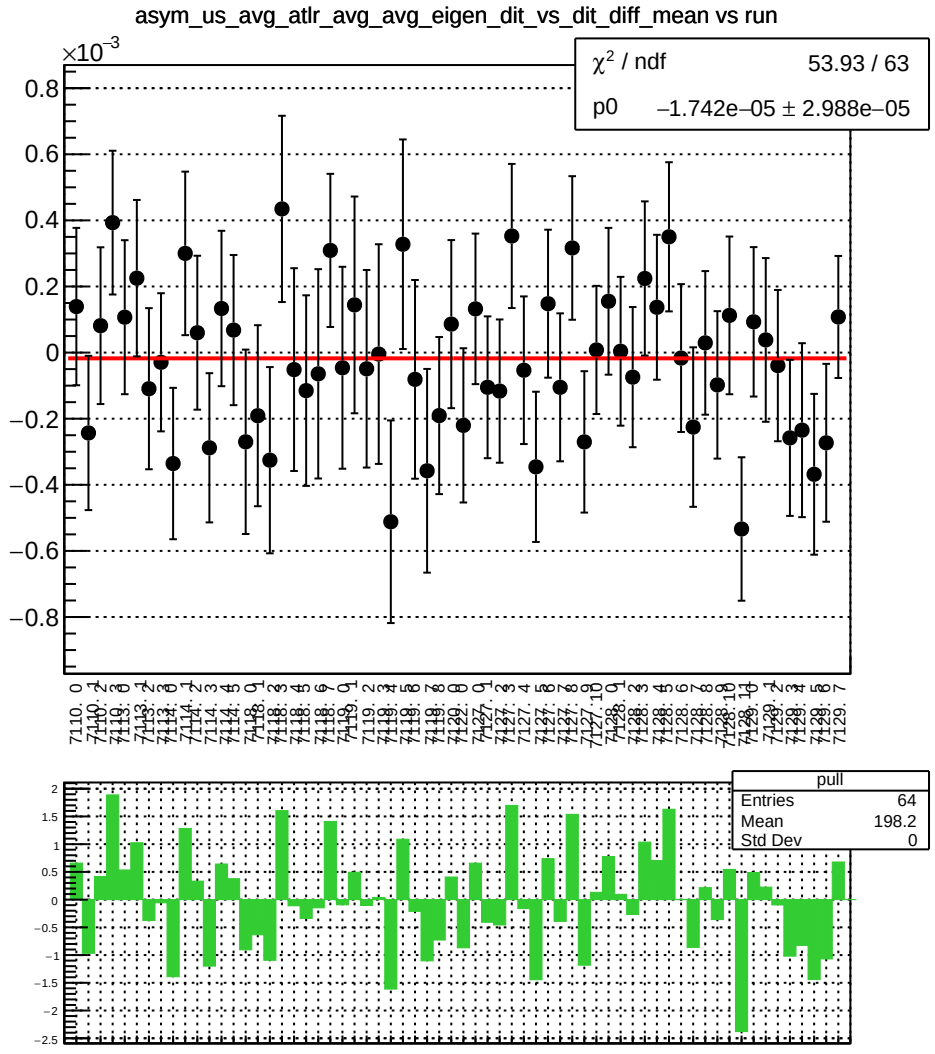

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.17 / 63
p0 −0.2274 ± 0.4722
pull
Entries 64
Mean 423
Std Dev 0
pull1D
Entries 64
Mean −0.002889
Std Dev 0.8494

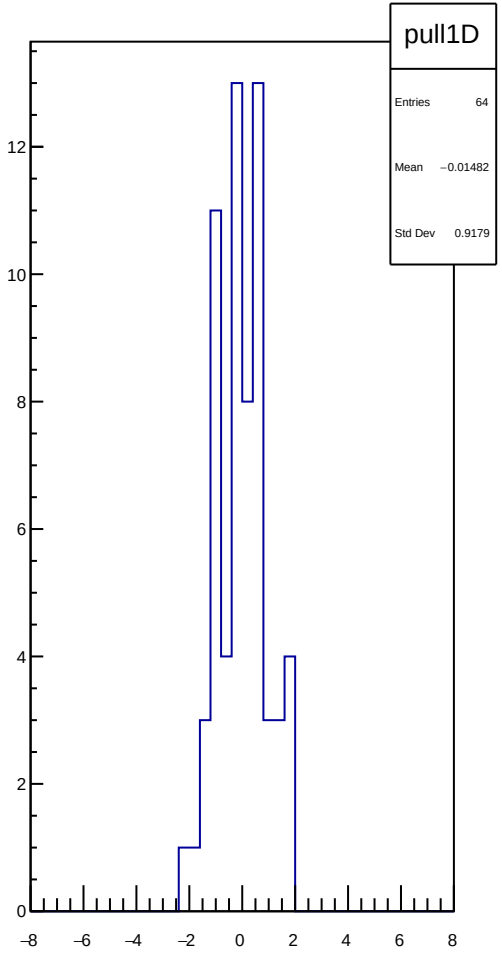

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.628e+04 / 63
p0 358 ± 0.3339
900
800
700
600
500
400
300
200

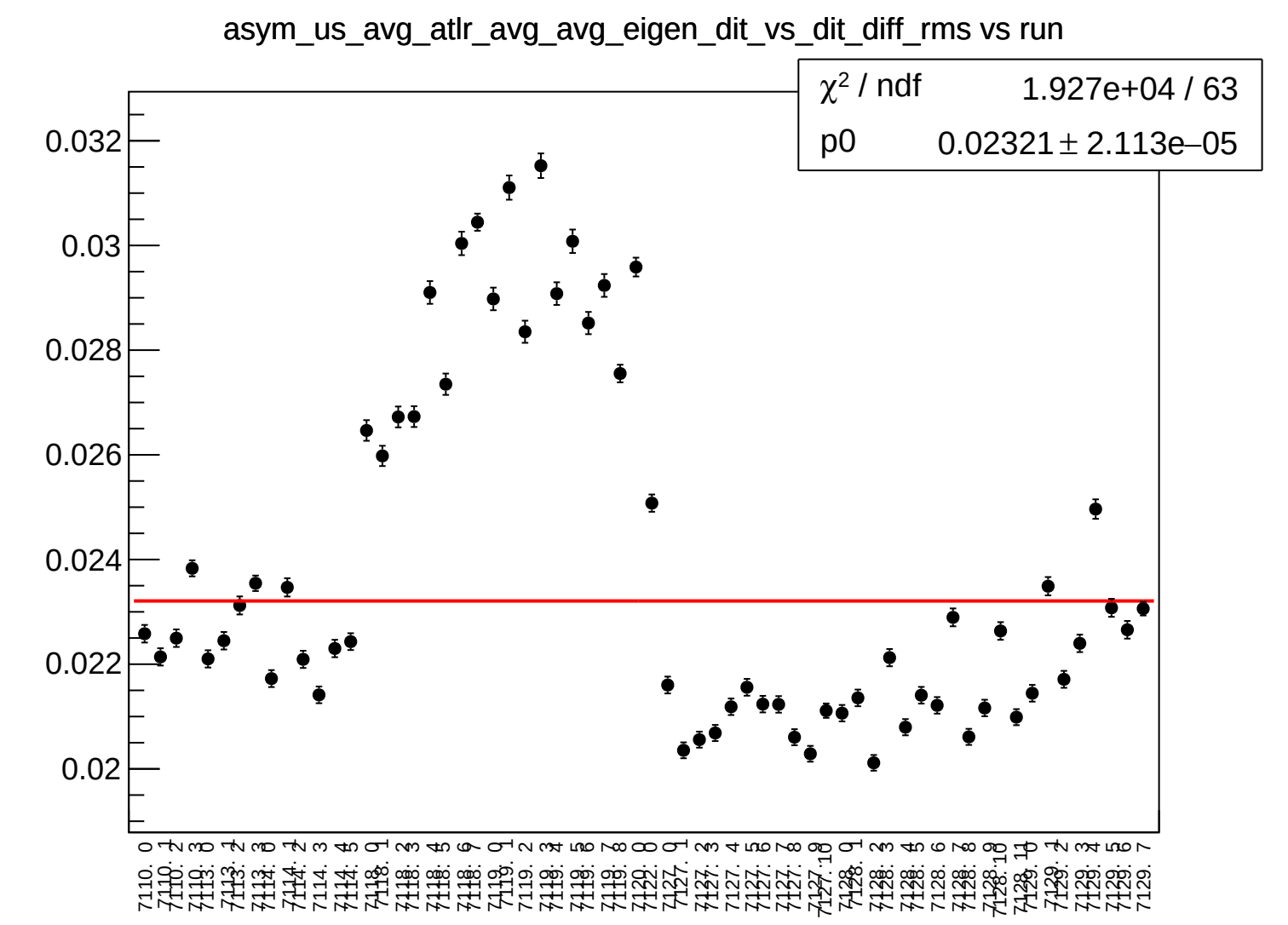

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.17 / 63
p0 −0.2274 ± 0.4722
pull
Entries 64
Mean 423
Std Dev 0

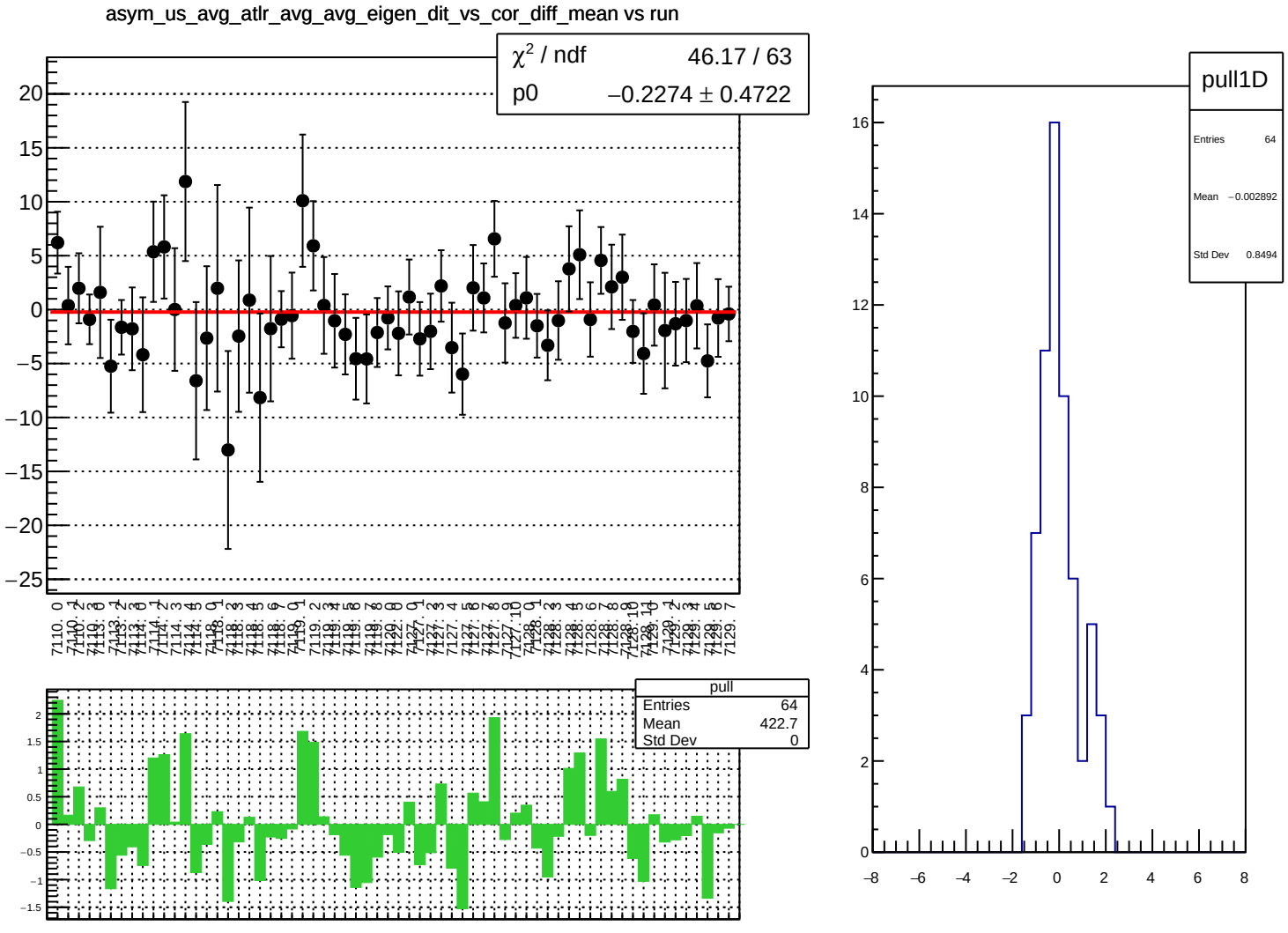

pull1D
Entries 64
Mean −0.002889
Std Dev 0.8494

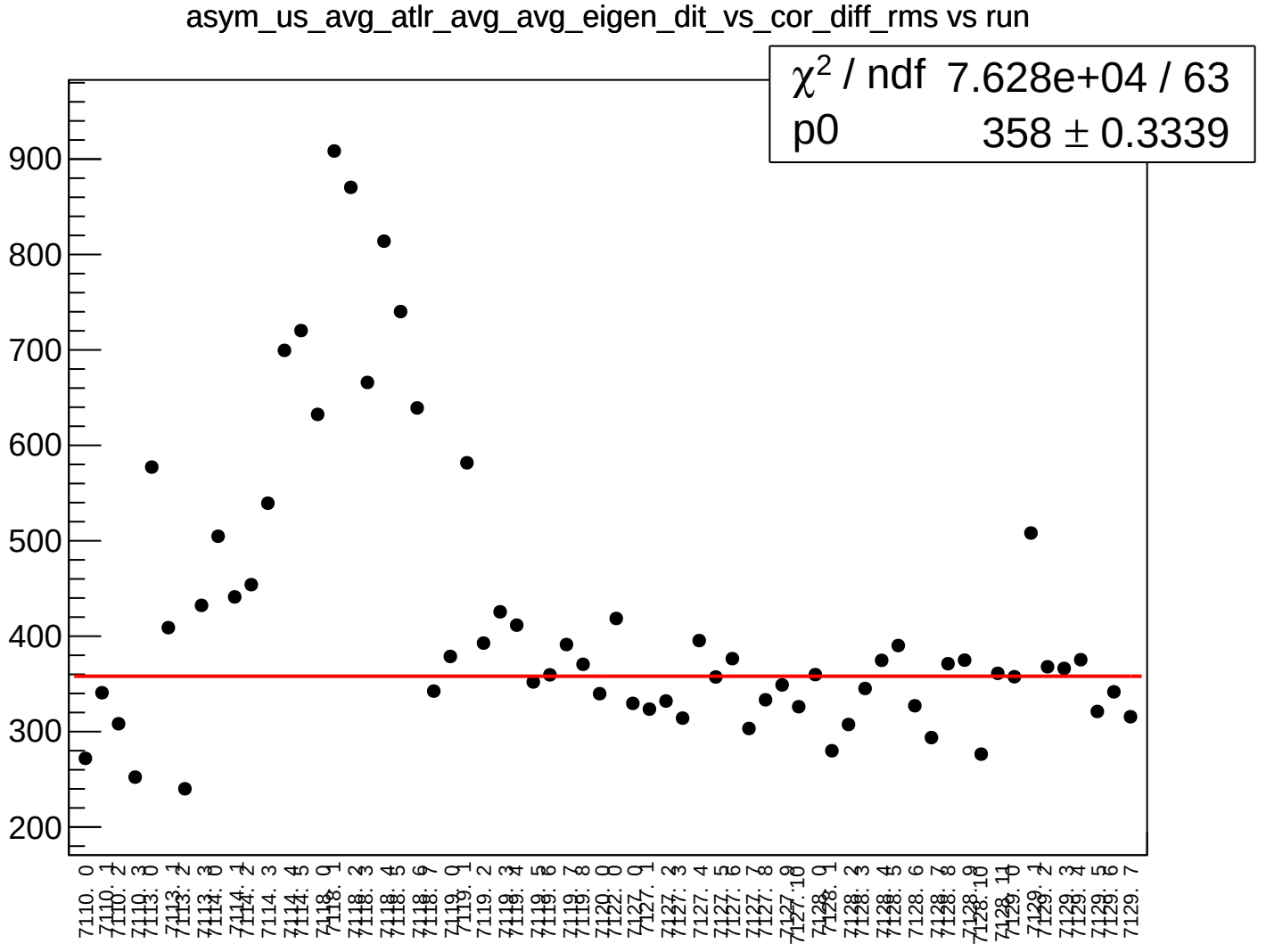

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 7.628e+04 / 63
p0 358 ± 0.3339
900
800
700
600
500
400
300
200

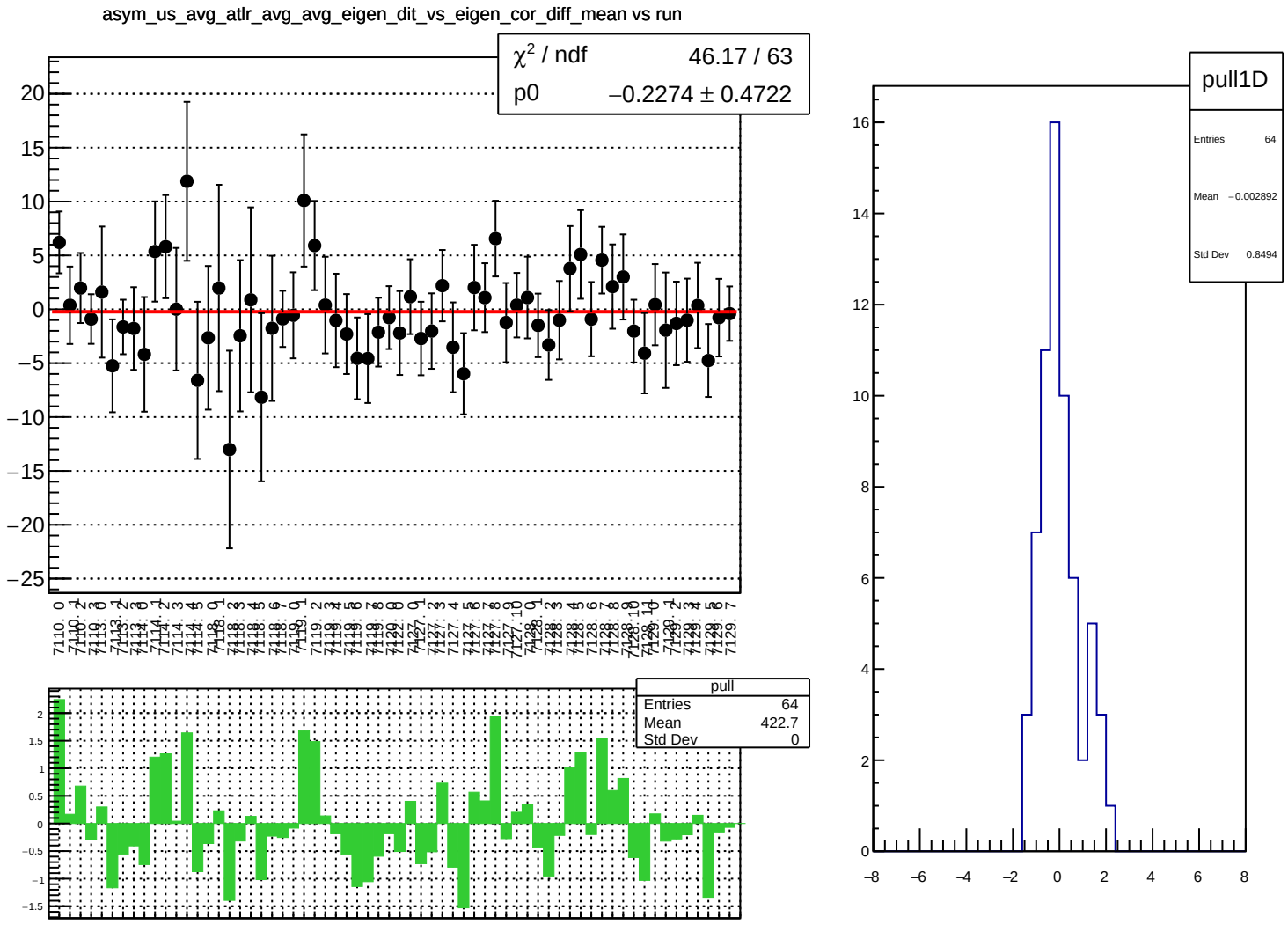

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.93 / 63
p0 −1.742e−05 ± 2.988e−05
pull
Entries 64
Mean 198.2
Std Dev 0

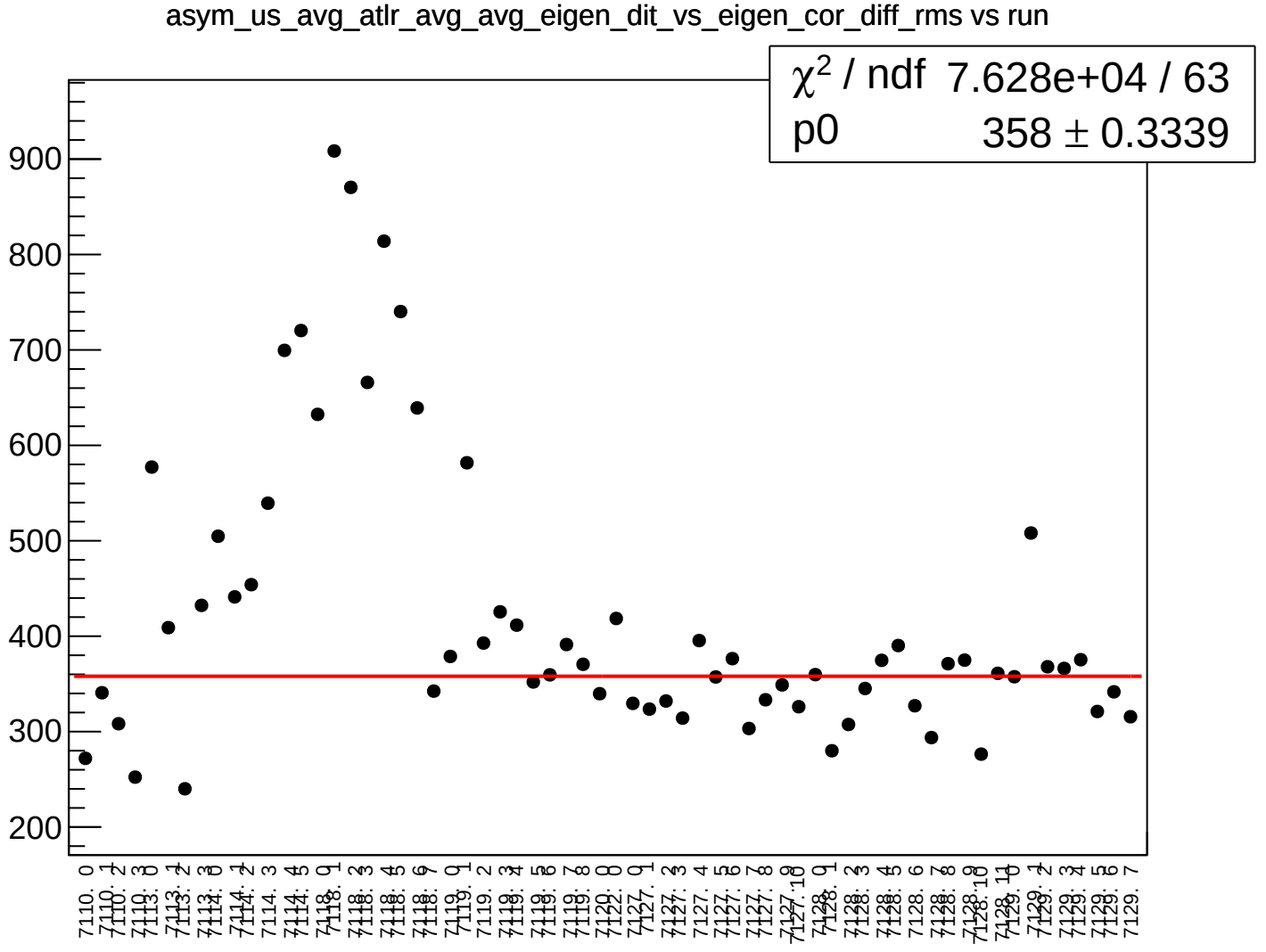

pull1D
Entries 64
Mean −0.01482
Std Dev 0.9179

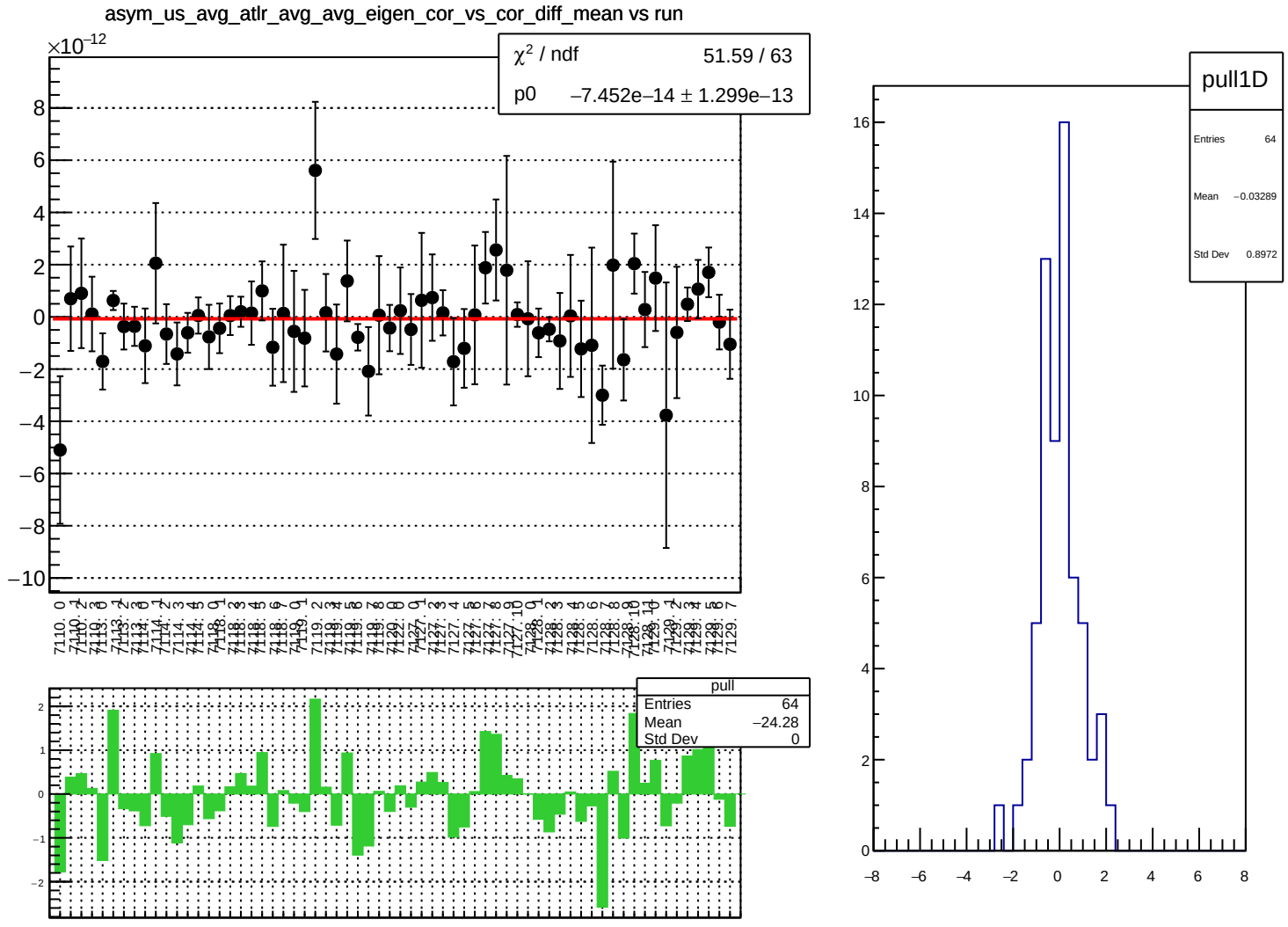

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.927e+04 / 63
p0 0.02321 ± 2.113e–05
0.032
0.03
0.028
0.026
0.024
0.022
0.02

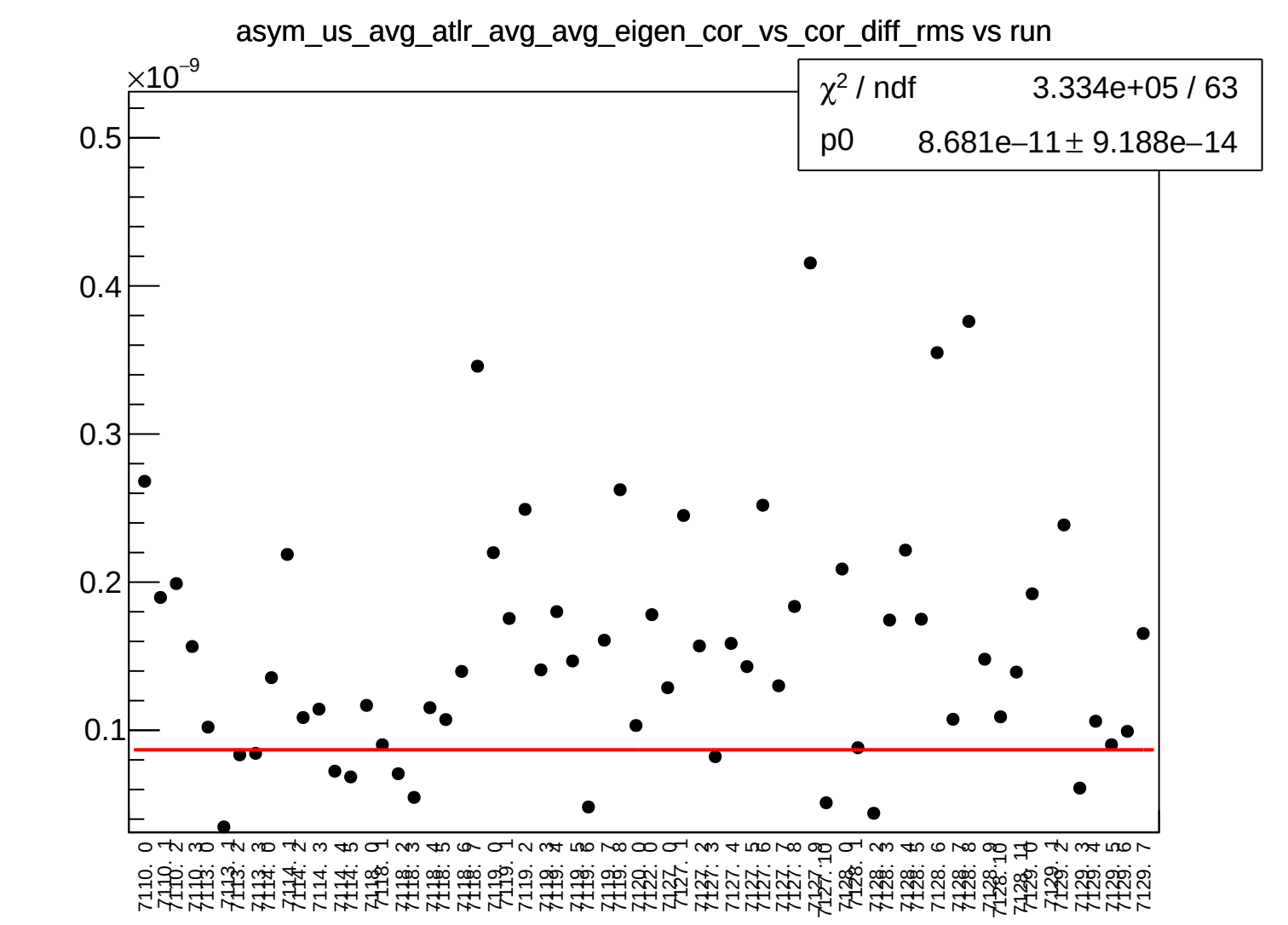

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.17 / 63
p0 −0.2274 ± 0.4722
pull
Entries 64
Mean 422.7
Std Dev 0
pull1D
Entries 64
Mean −0.002892
Std Dev 0.8494

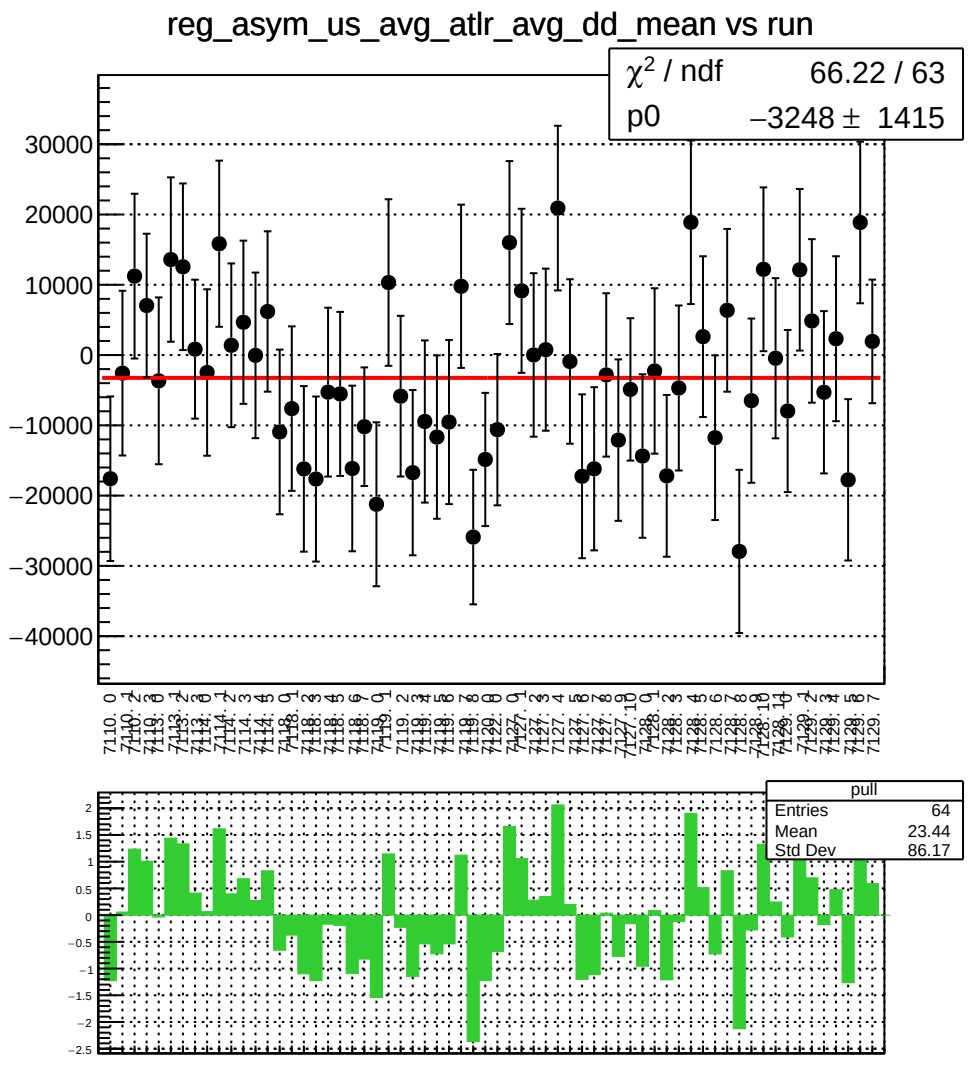

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.628e+04 / 63
p0 358 ± 0.3339
900
800
700
600
500
400
300
200

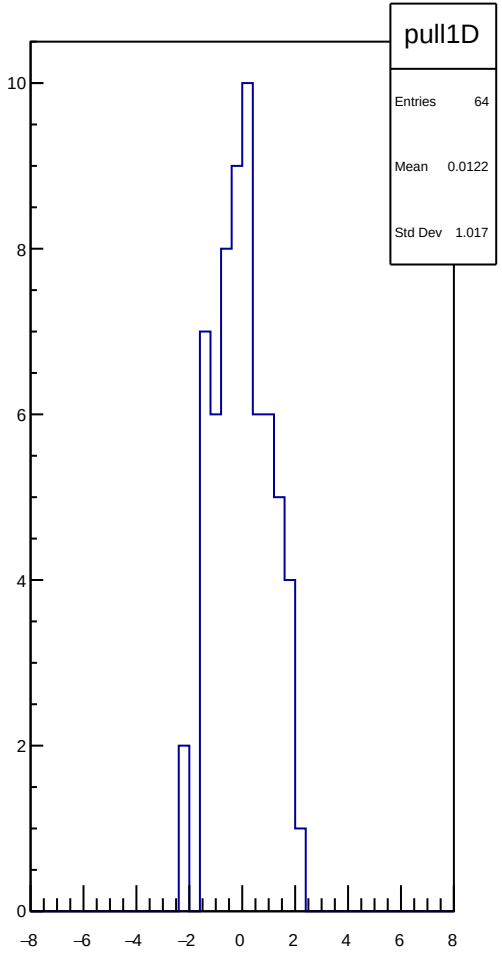

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.17 / 63
p0 −0.2274 ± 0.4722
pull
Entries 64
Mean 422.7
Std Dev 0
pull1D
Entries 64
Mean −0.002892
Std Dev 0.8494

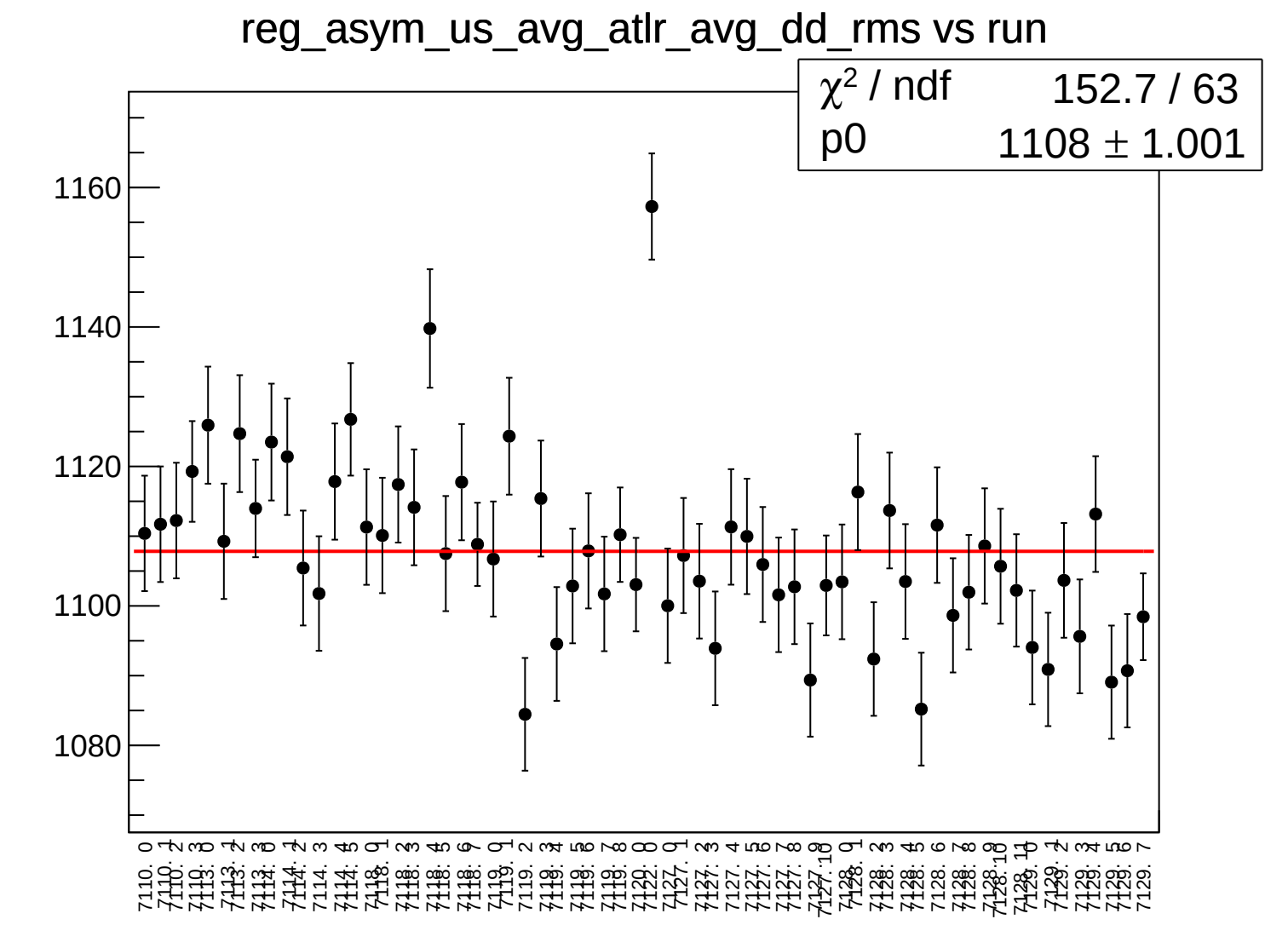

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 7.628e+04 / 63
p0 358 ± 0.3339
900
800
700
600
500
400
300
200

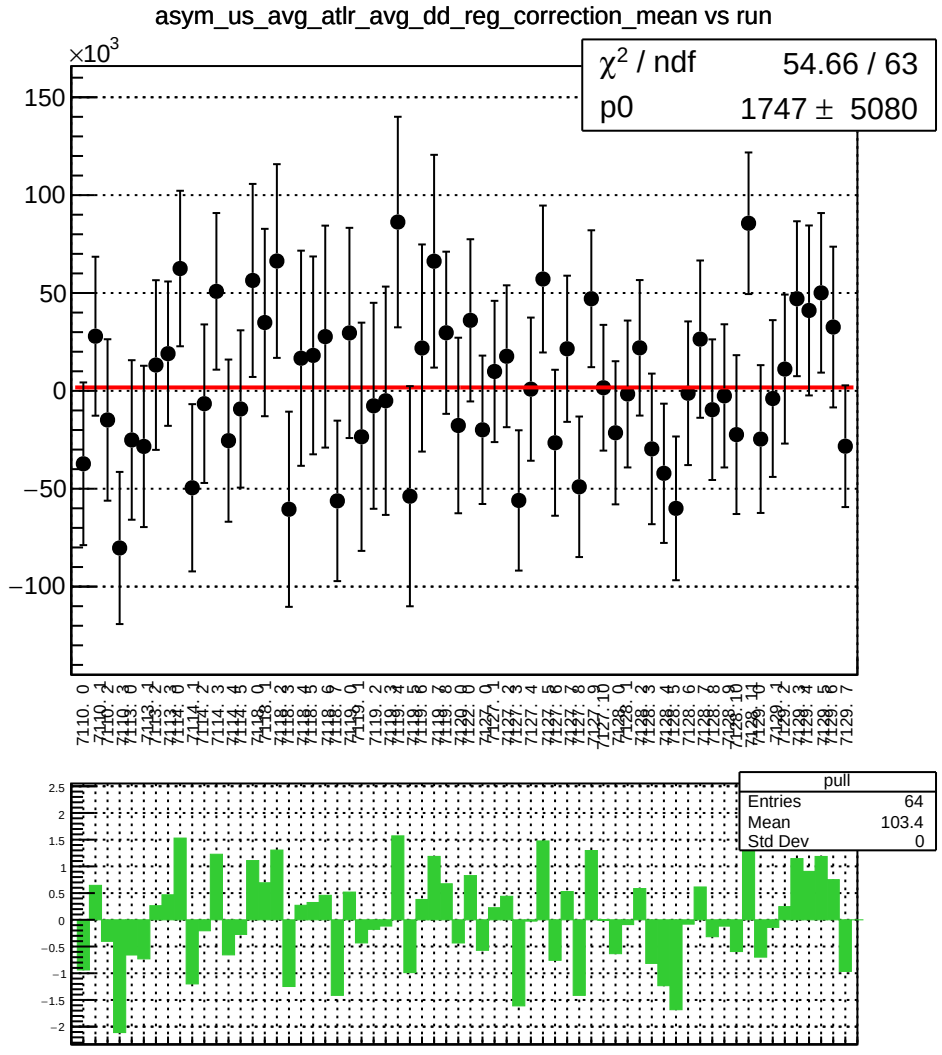

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.59 / 63
p0 −7.452e−14 ± 1.299e−13
pull
Entries 64
Mean −24.28
Std Dev 0
pull1D
Entries 64
Mean −0.03289
Std Dev 0.8972

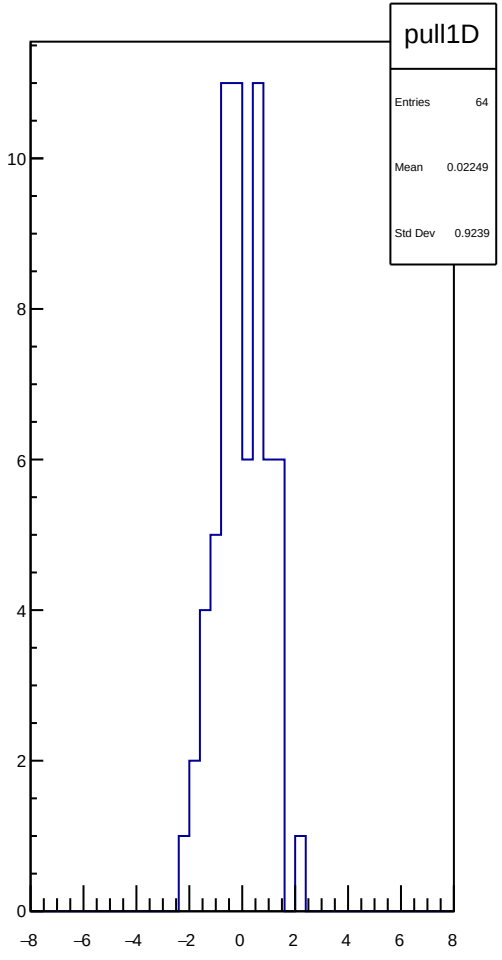

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.334e+05 / 63
p0 8.681e−11 ± 9.188e−14
0.5
0.4
0.3
0.2
0.1

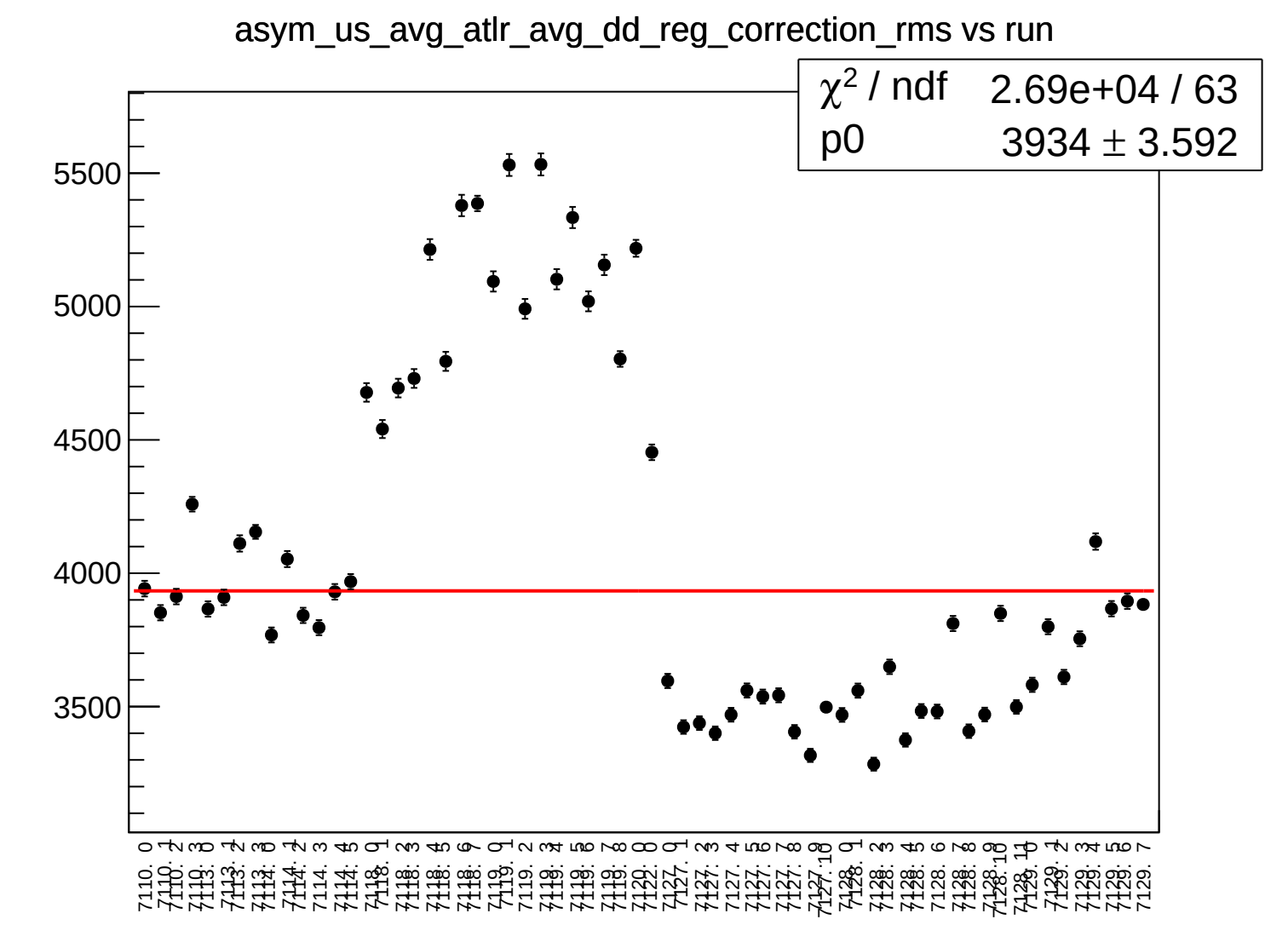

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 66.22 / 63
p0 −3248 ± 1415
pull
Entries 64
Mean 23.44
Std Dev 86.17

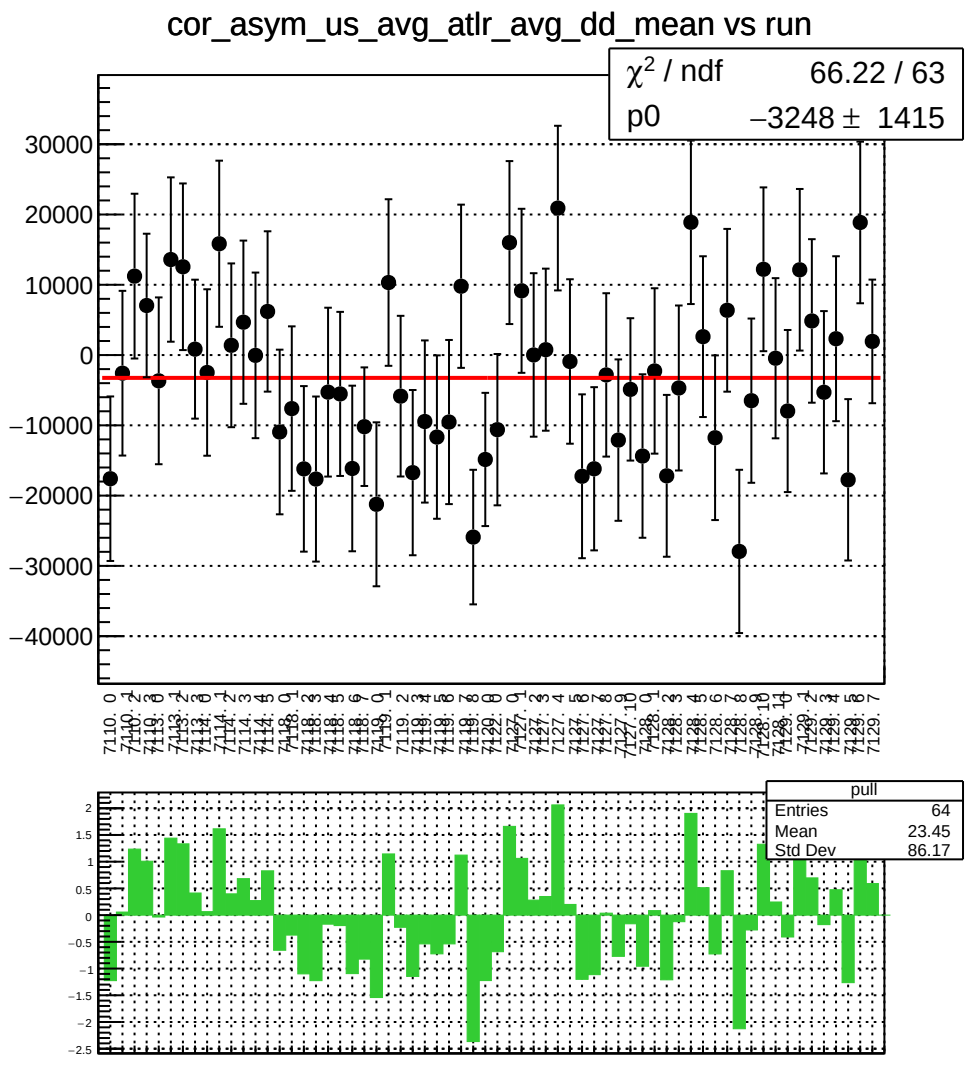

pull1D
Entries 64
Mean 0.0122
Std Dev 1.017

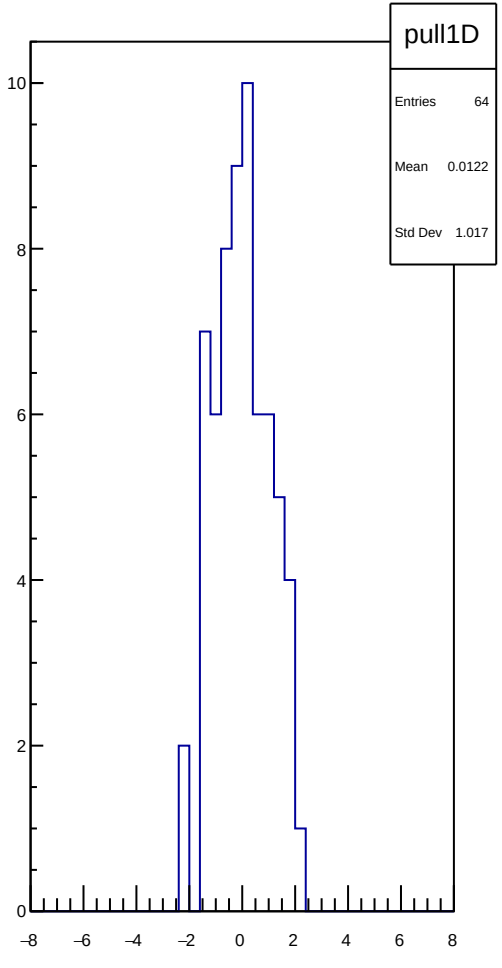

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 152.7 / 63
p0 1108 ± 1.001
1160
1140
1120
1100
1080

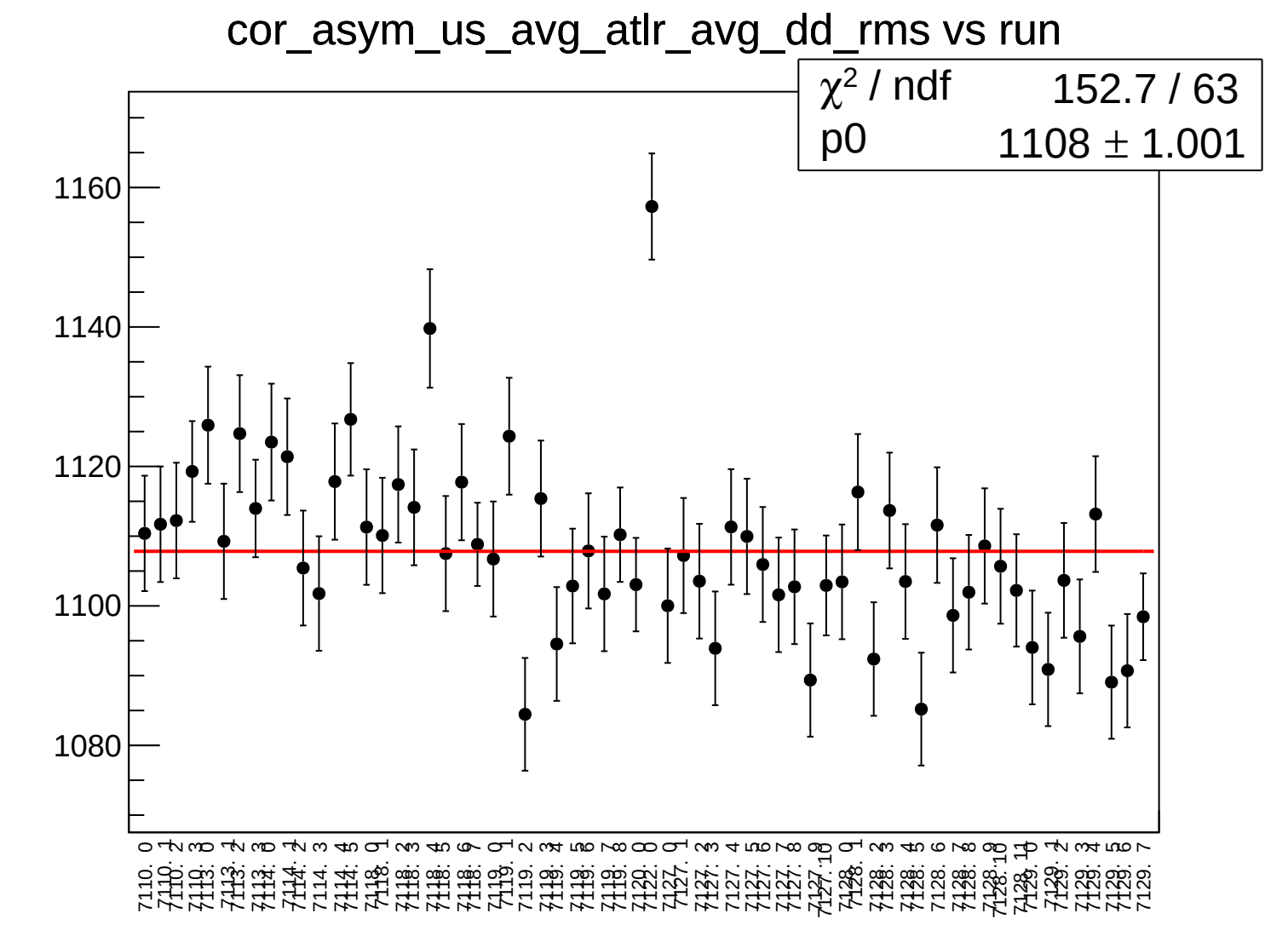

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.66 / 63
p0 1747 ± 5080
150
100
50
0
−50
−100
pull
Entries 64
Mean 103.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

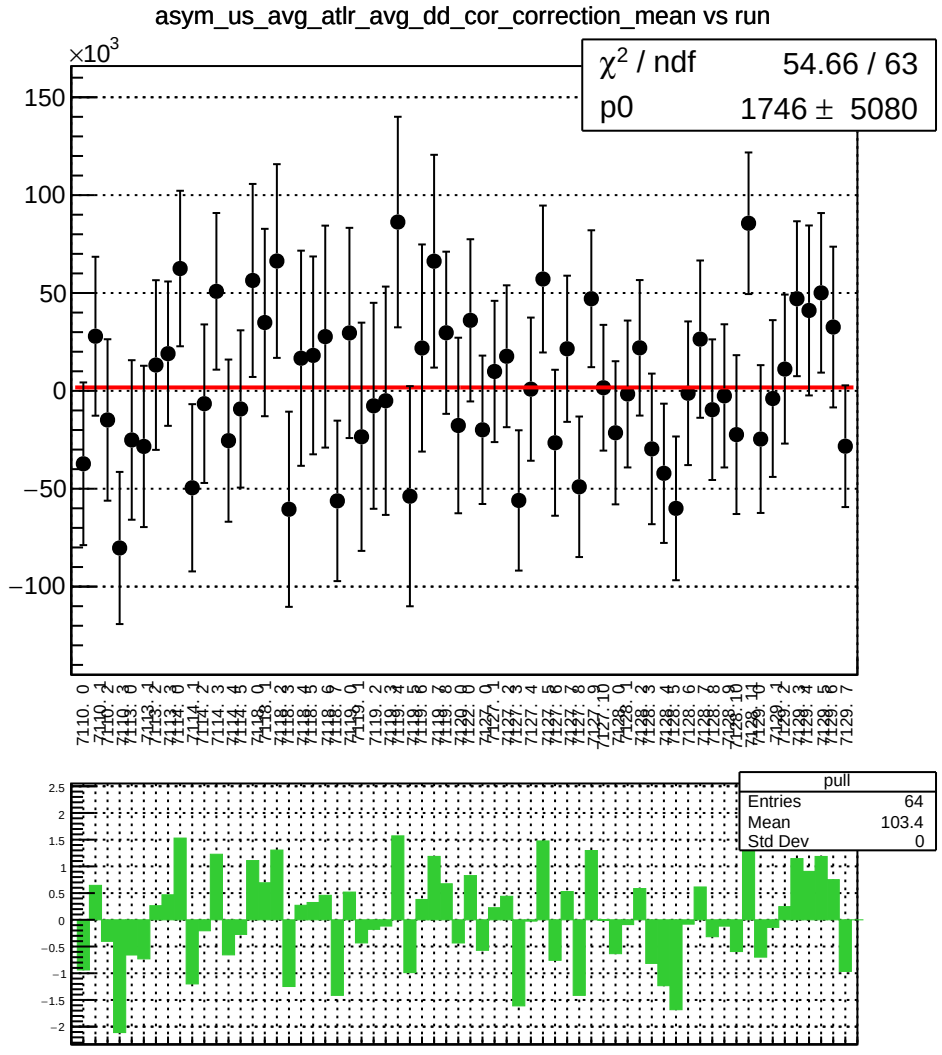

pull1D
Entries 64
Mean 0.02249
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

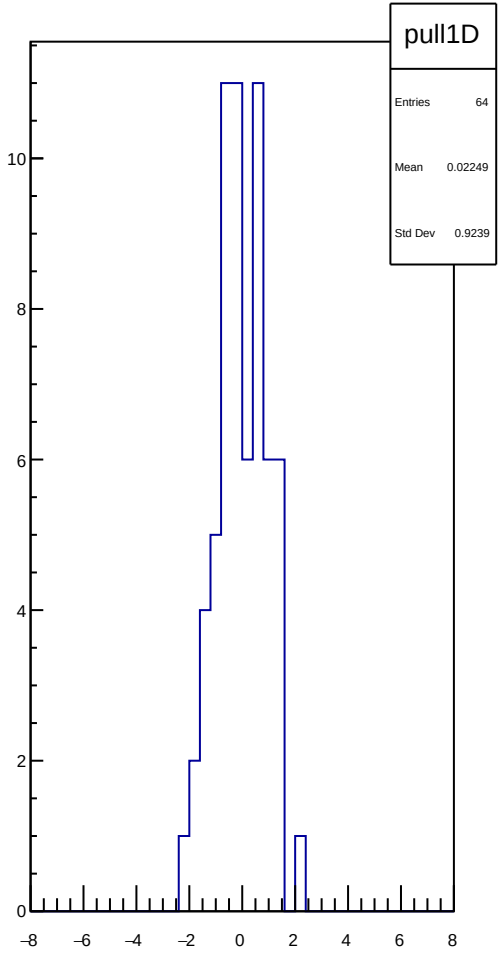

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.69e+04 / 63
p0 3934 ± 3.592
5500
5000
4500
4000
3500

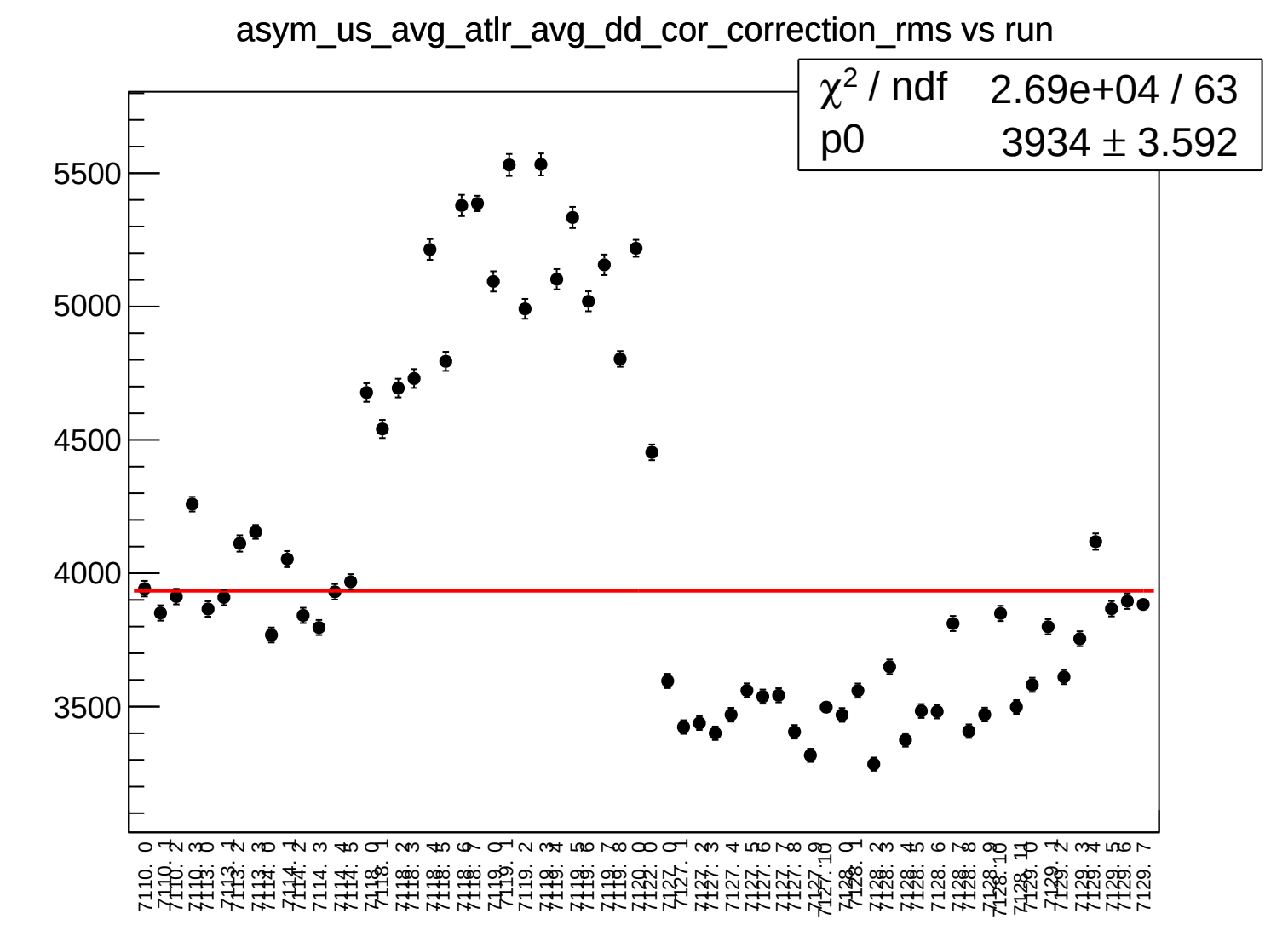

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 66.22 / 63
p0 −3248 ± 1415
pull
Entries 64
Mean 23.45
Std Dev 86.17

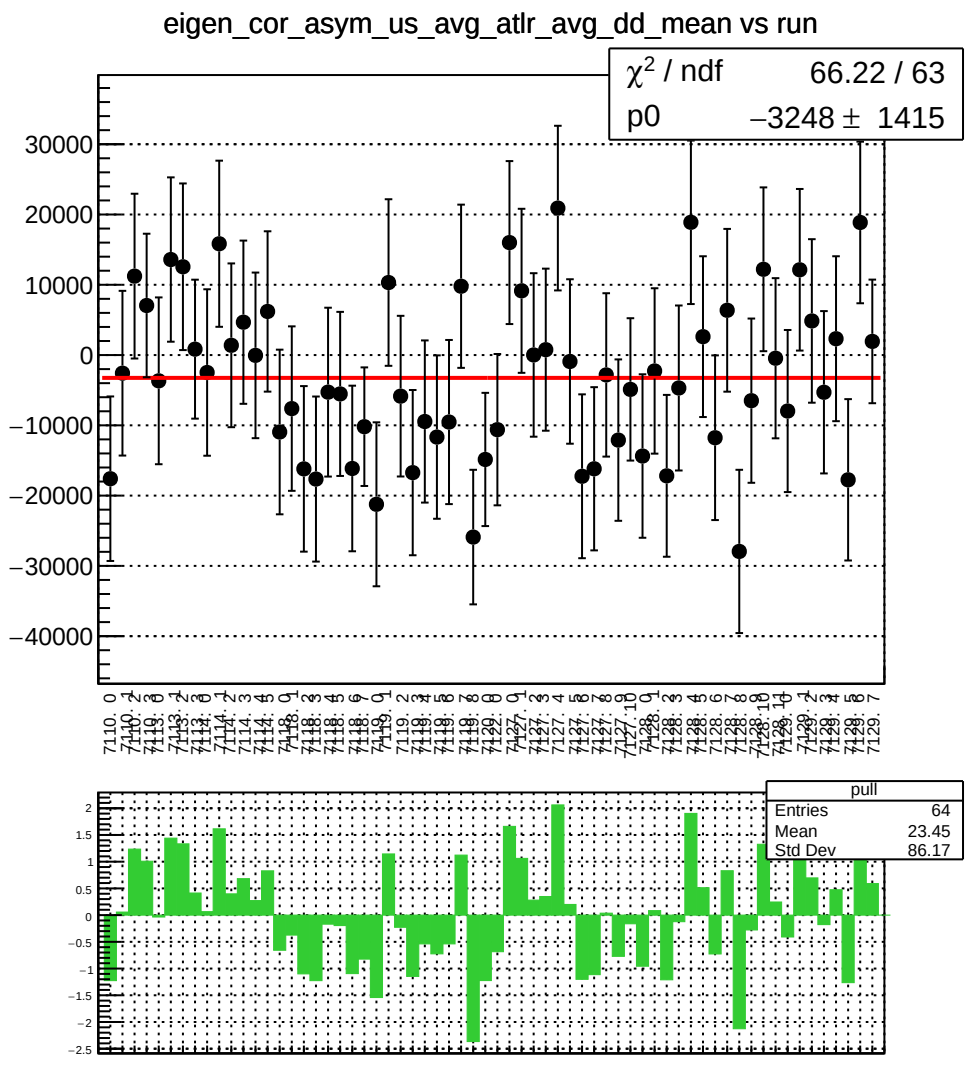

pull1D
Entries 64
Mean 0.0122
Std Dev 1.017

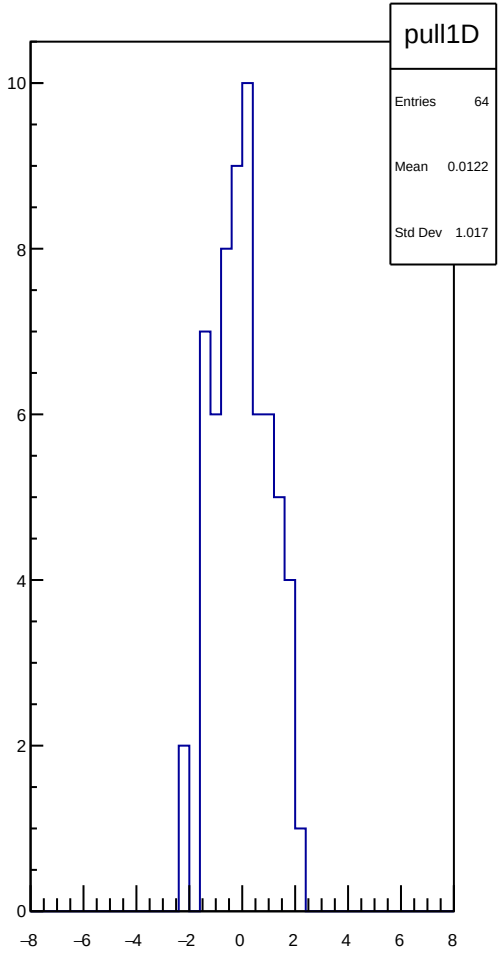

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 152.7 / 63
p0 1108 ± 1.001
1160
1140
1120
1100
1080

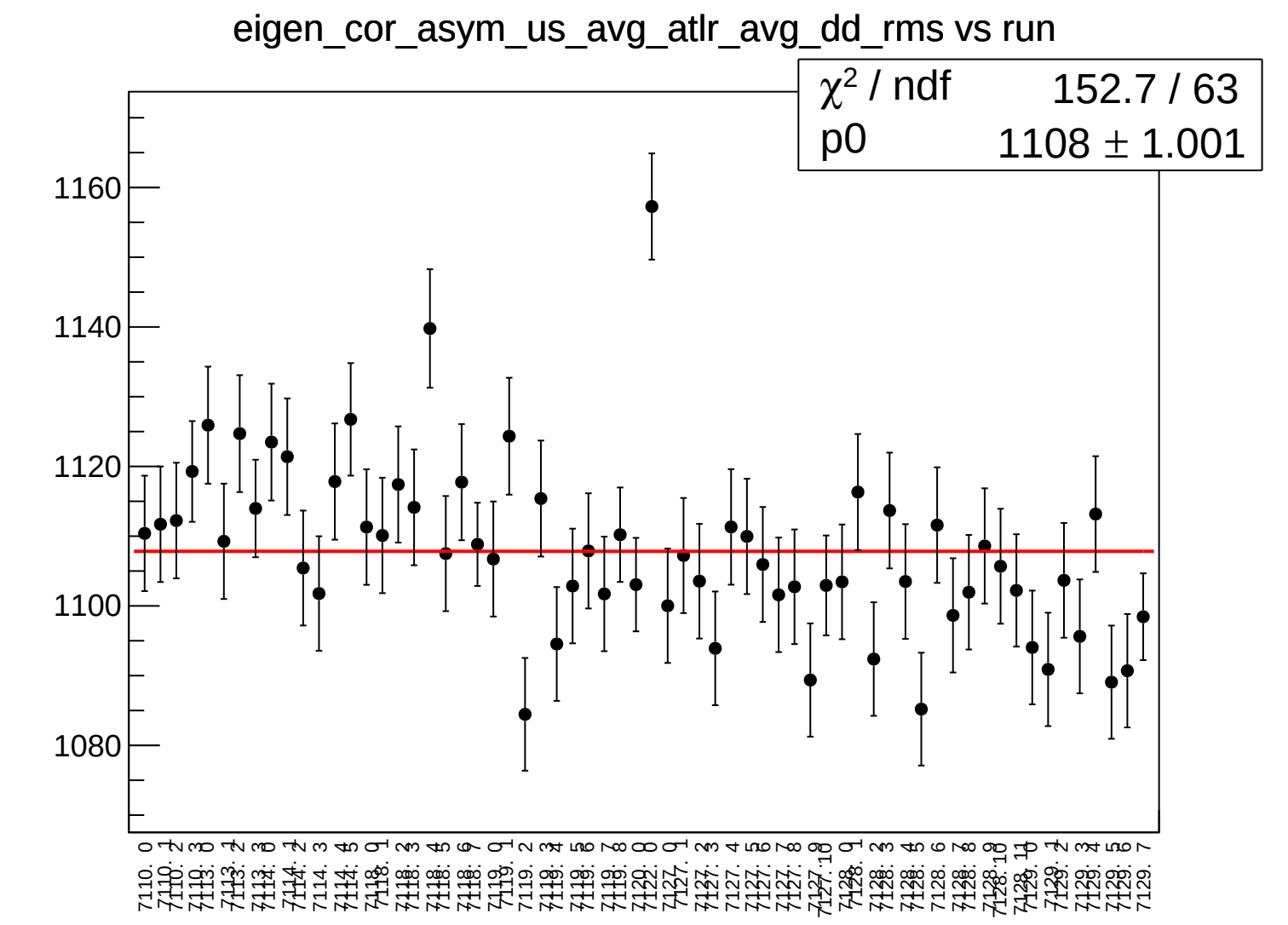

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.66 / 63
p0 1746 ± 5080
150
100
50
0
−50
−100
pull
Entries 64
Mean 103.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

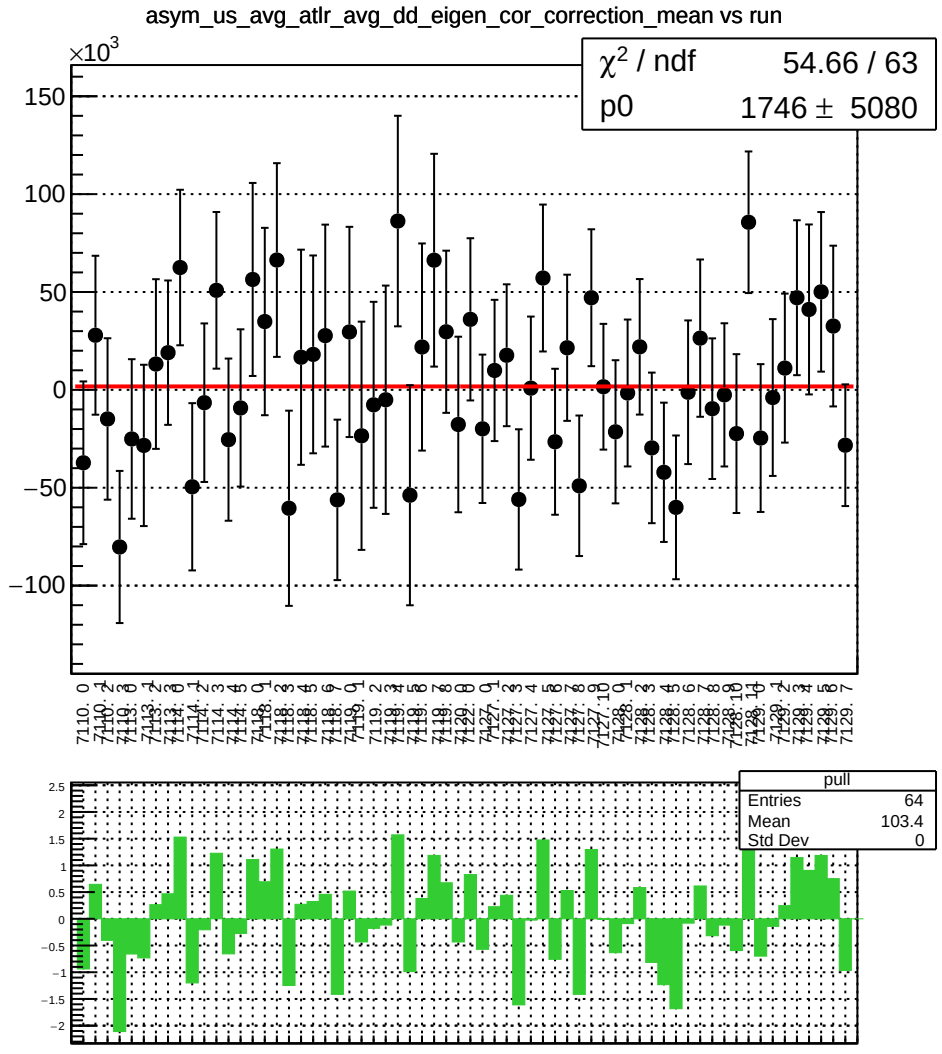

pull1D
Entries 64
Mean 0.02249
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

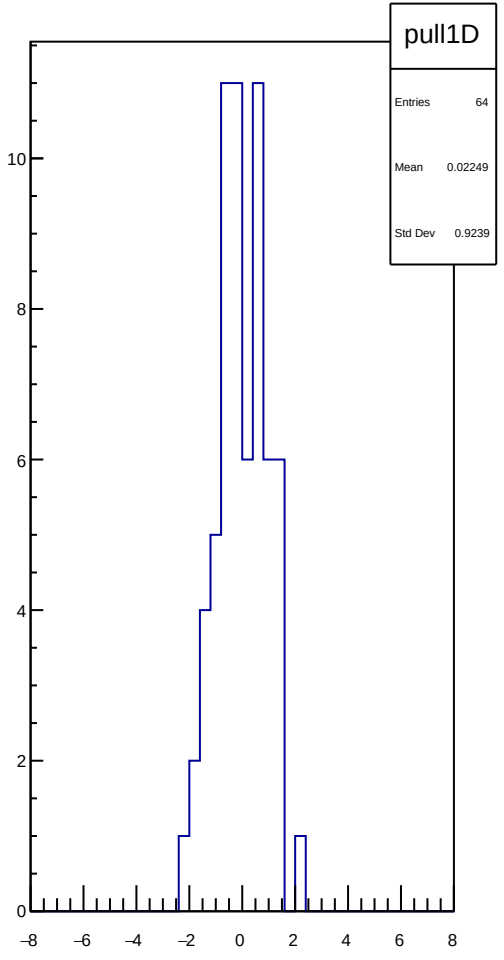

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.69e+04 / 63
p0 3934 ± 3.592
5500
5000
4500
4000
3500

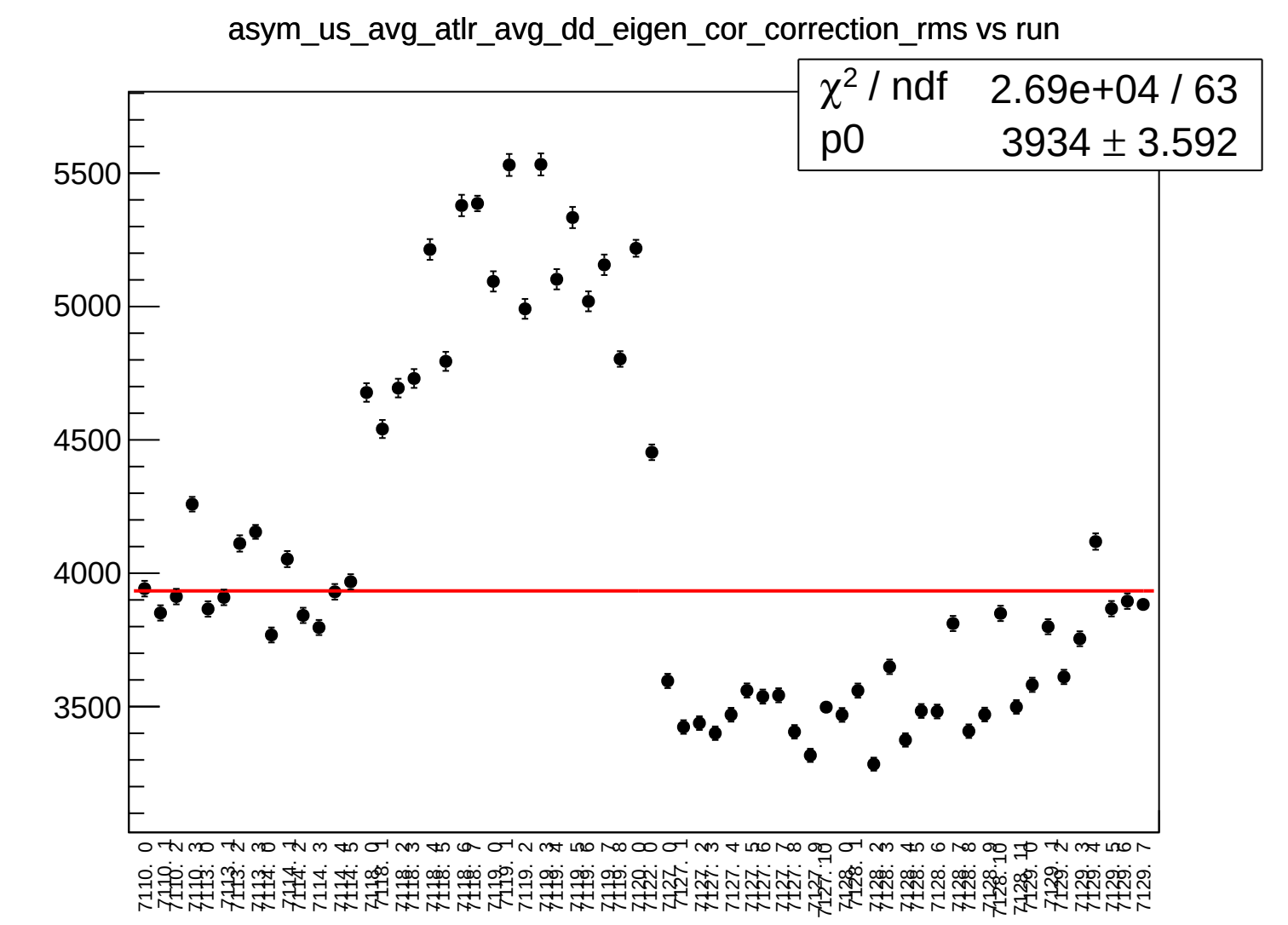

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 66.22 / 63
p0 −3248 ± 1415
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 64
Mean 23.45
Std Dev 86.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

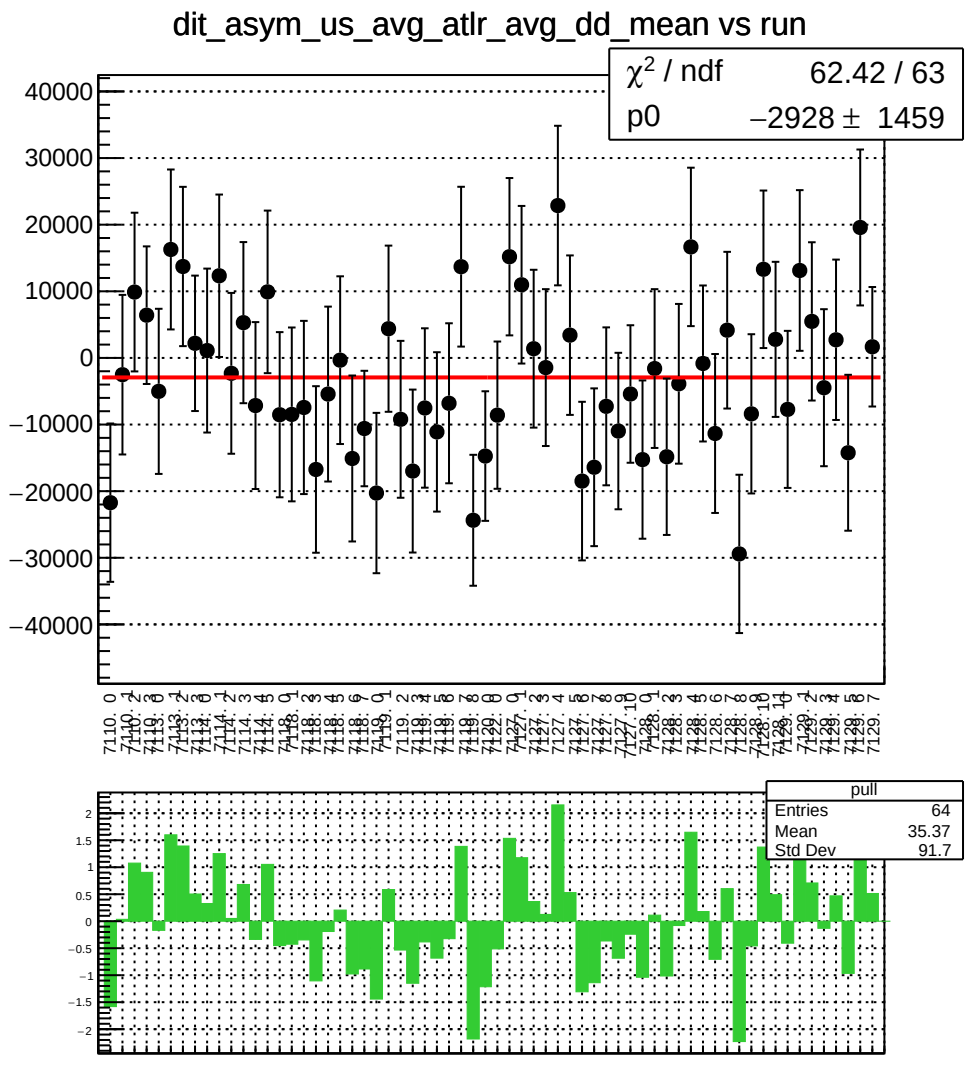

pull1D
Entries 64
Mean 0.0122
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

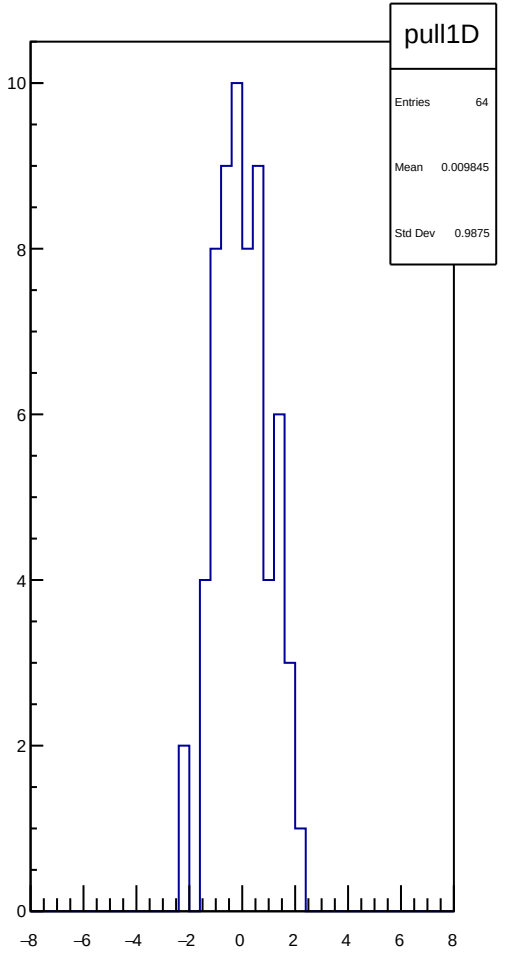

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 152.7 / 63
p0 1108 ± 1.001
1160
1140
1120
1100
1080

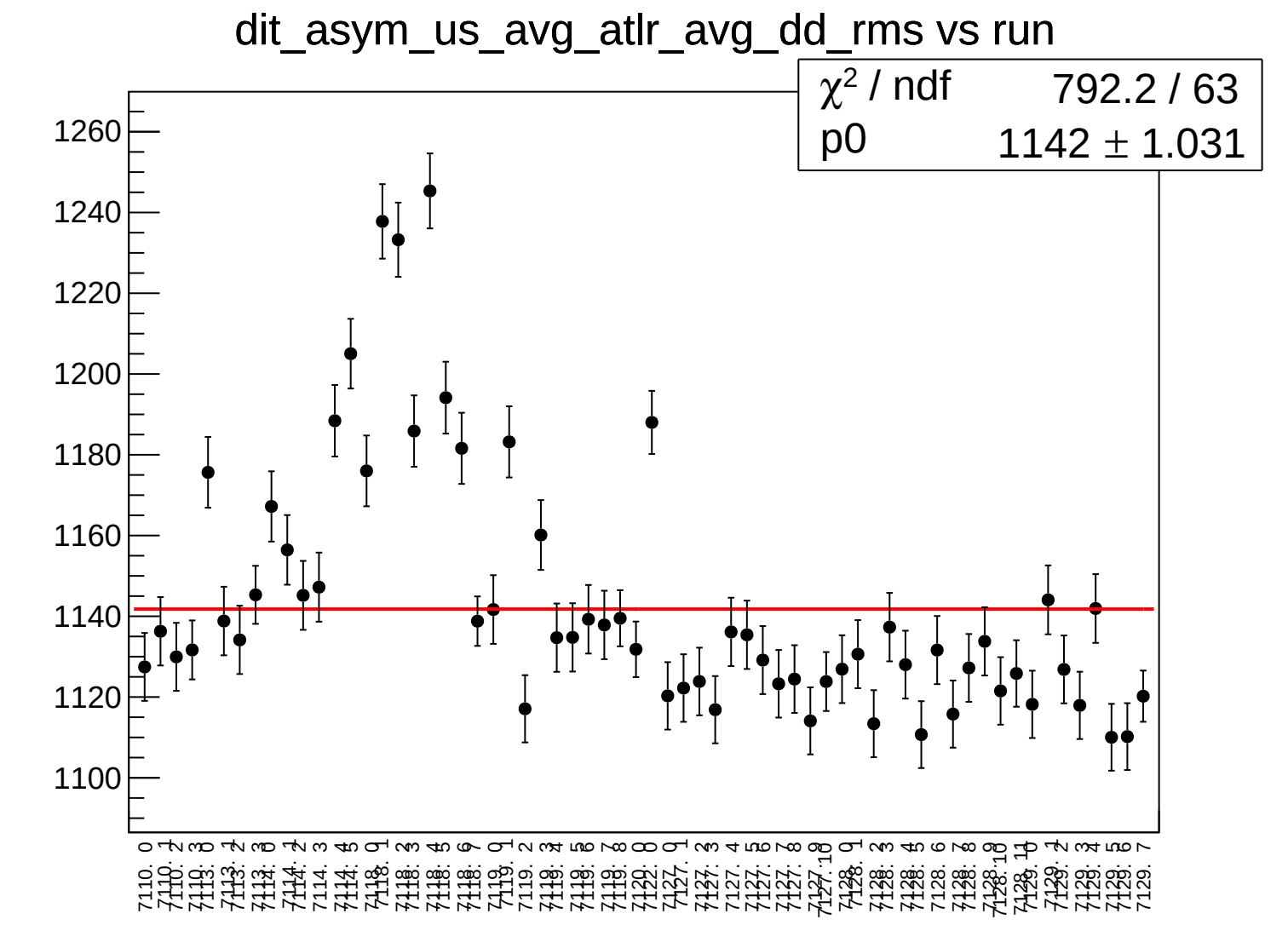

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 54.66 / 63
p0 1746 ± 5080
150
100
50
0
−50
−100
pull
Entries 64
Mean 103.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

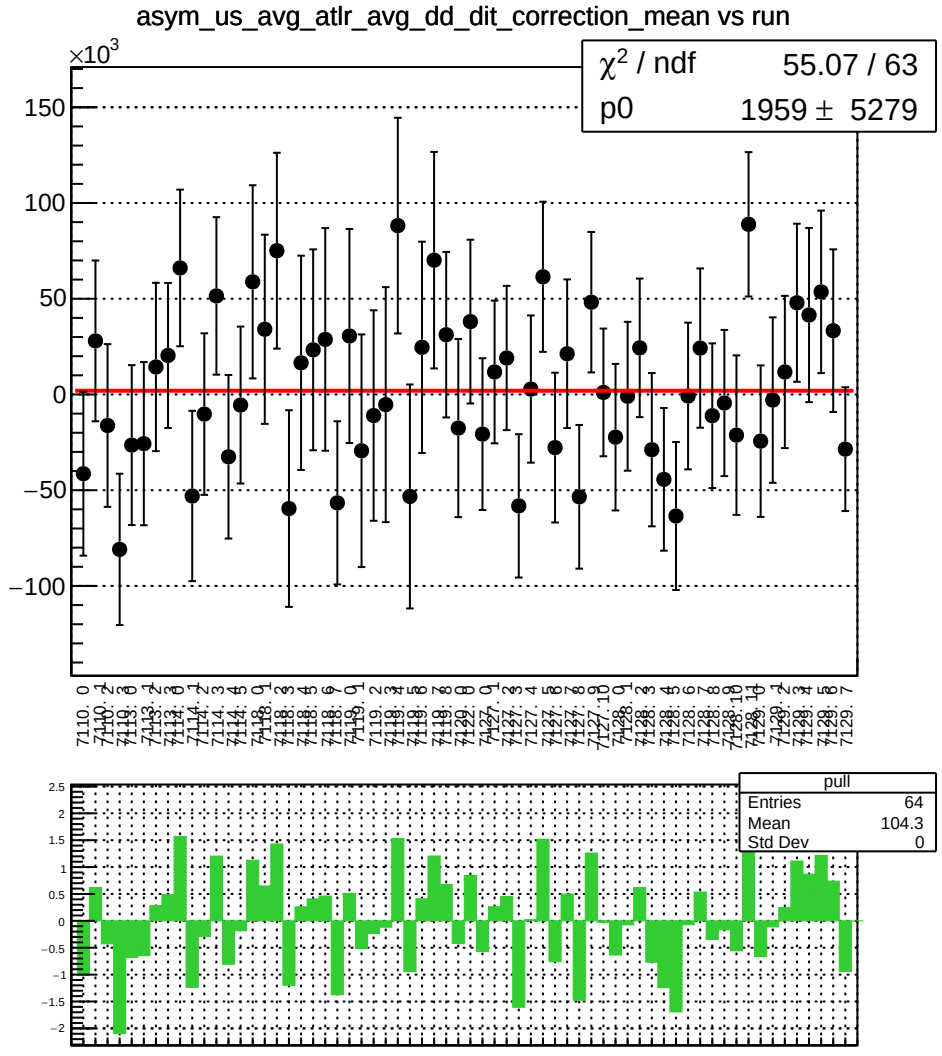

pull1D
Entries 64
Mean 0.02249
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

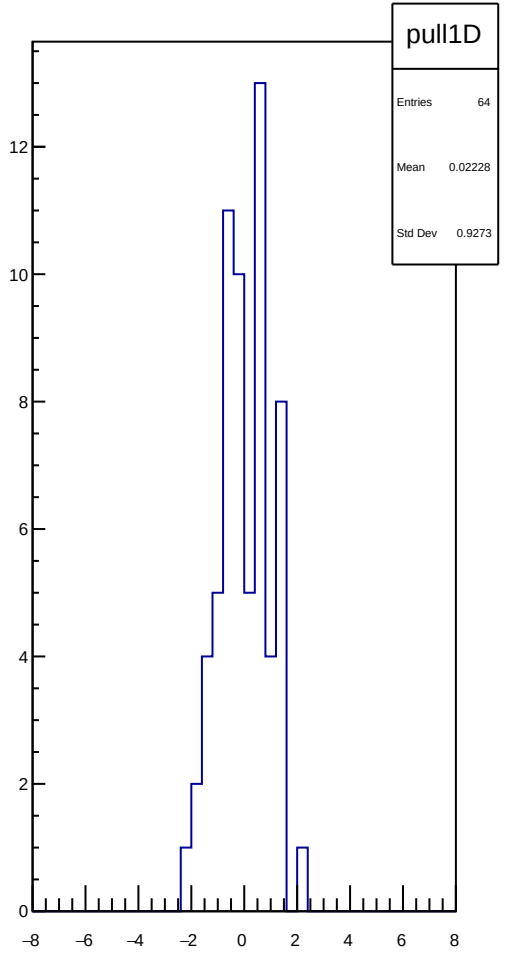

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.69e+04 / 63
p0 3934 ± 3.592
5500
5000
4500
4000
3500

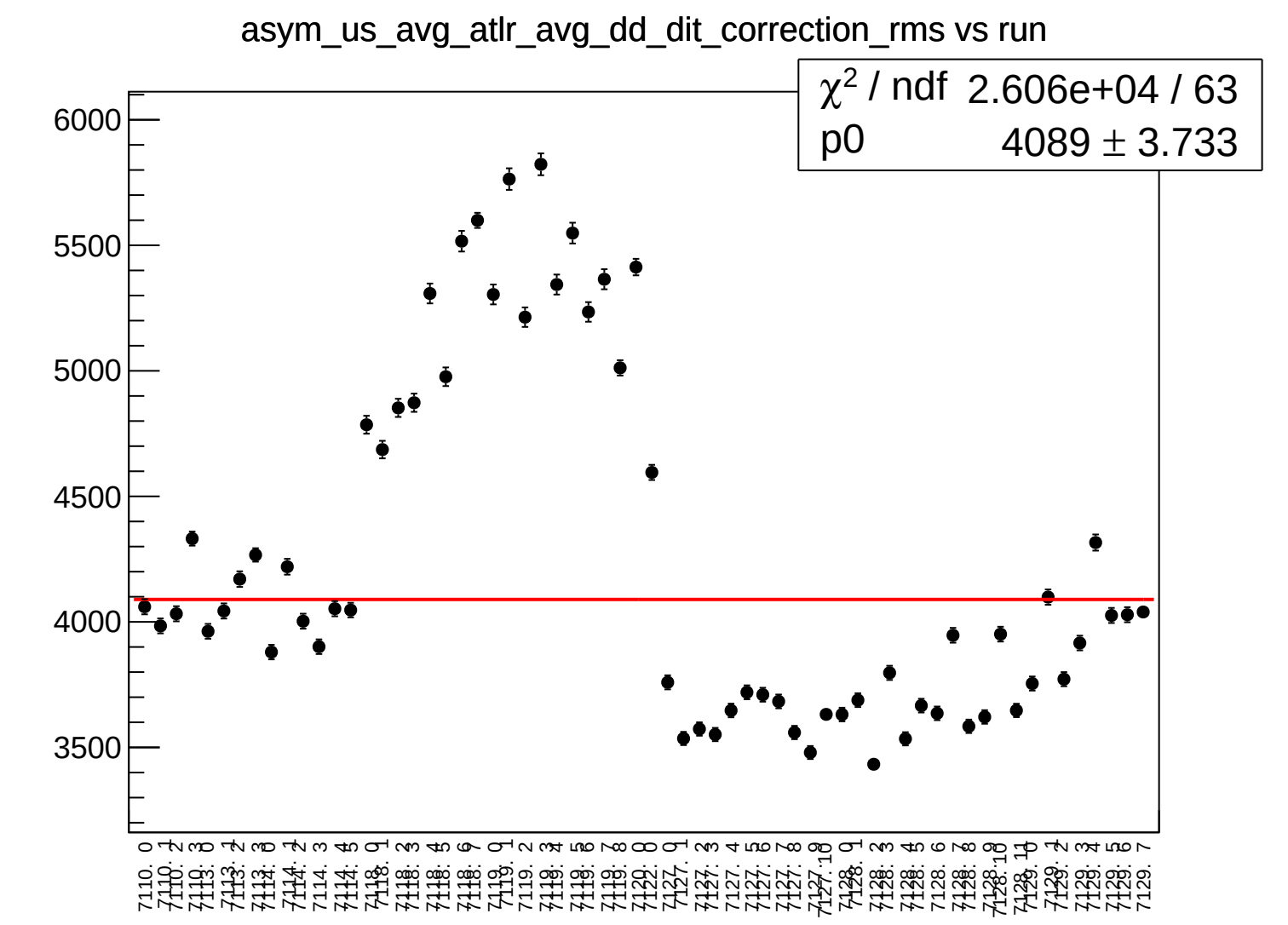

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 62.42 / 63
p0 −2928 ± 1459
pull
Entries 64
Mean 35.37
Std Dev 91.7

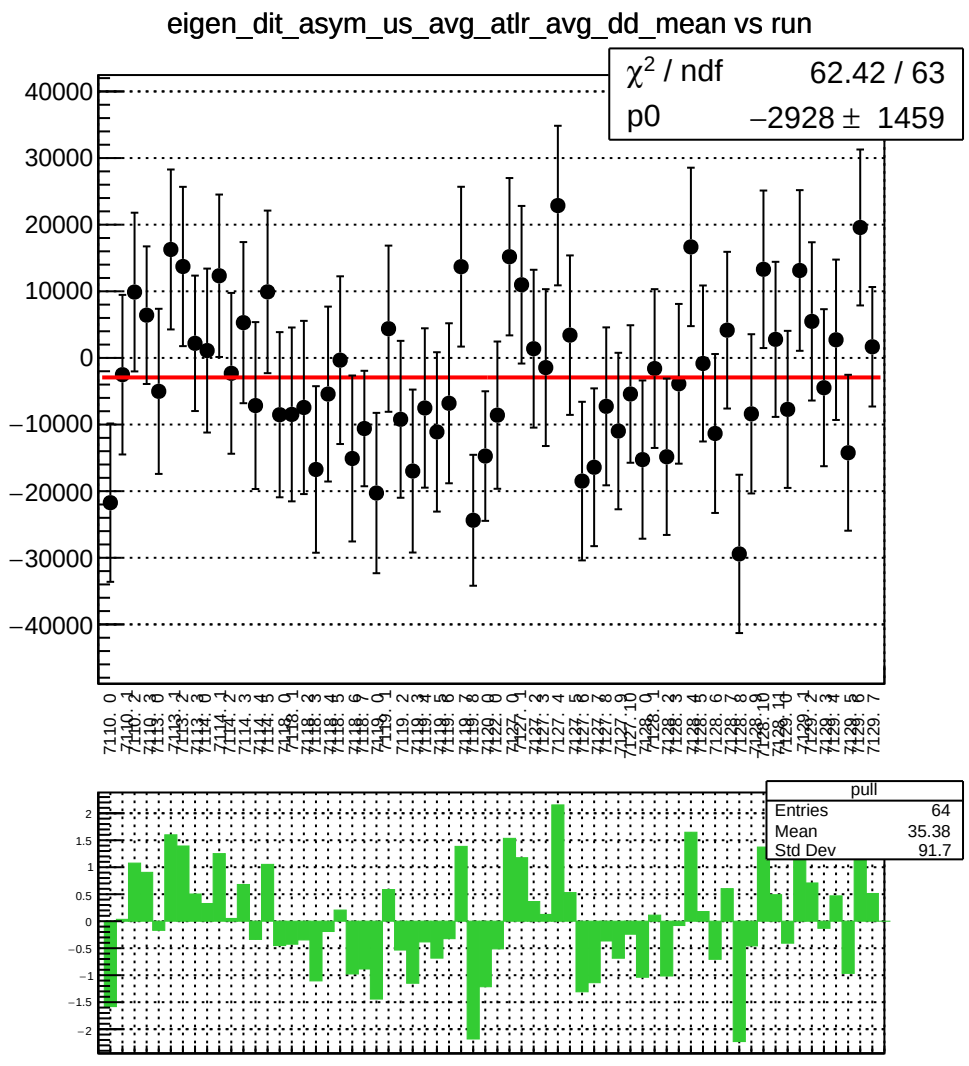

pull1D
Entries 64
Mean 0.009845
Std Dev 0.9875

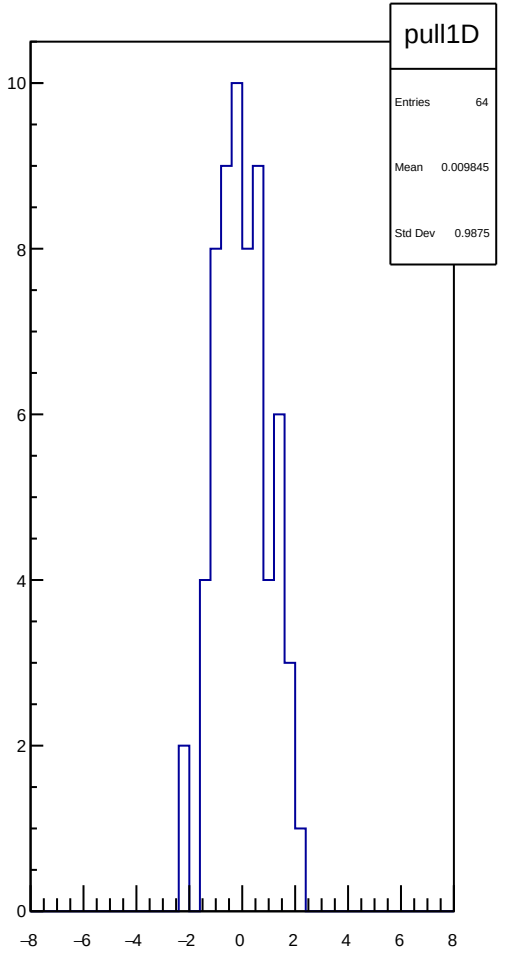

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 792.2 / 63
p0 1142 ± 1.031
1260
1240
1220
1200
1180
1160
1140
1120
1100

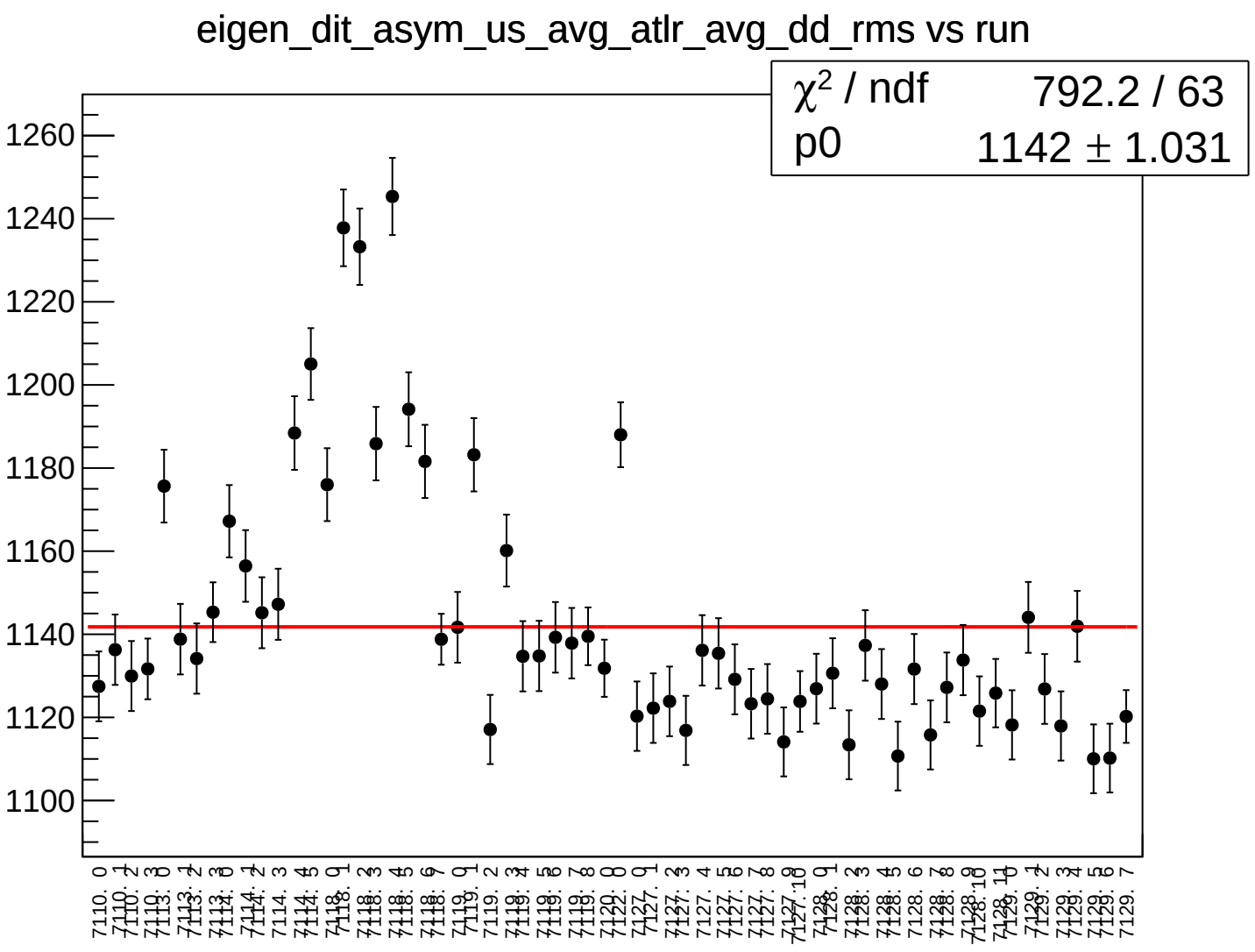

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.07 / 63
p0 1959 ± 5279
150
100
50
0
−50
−100
pull
Entries 64
Mean 104.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

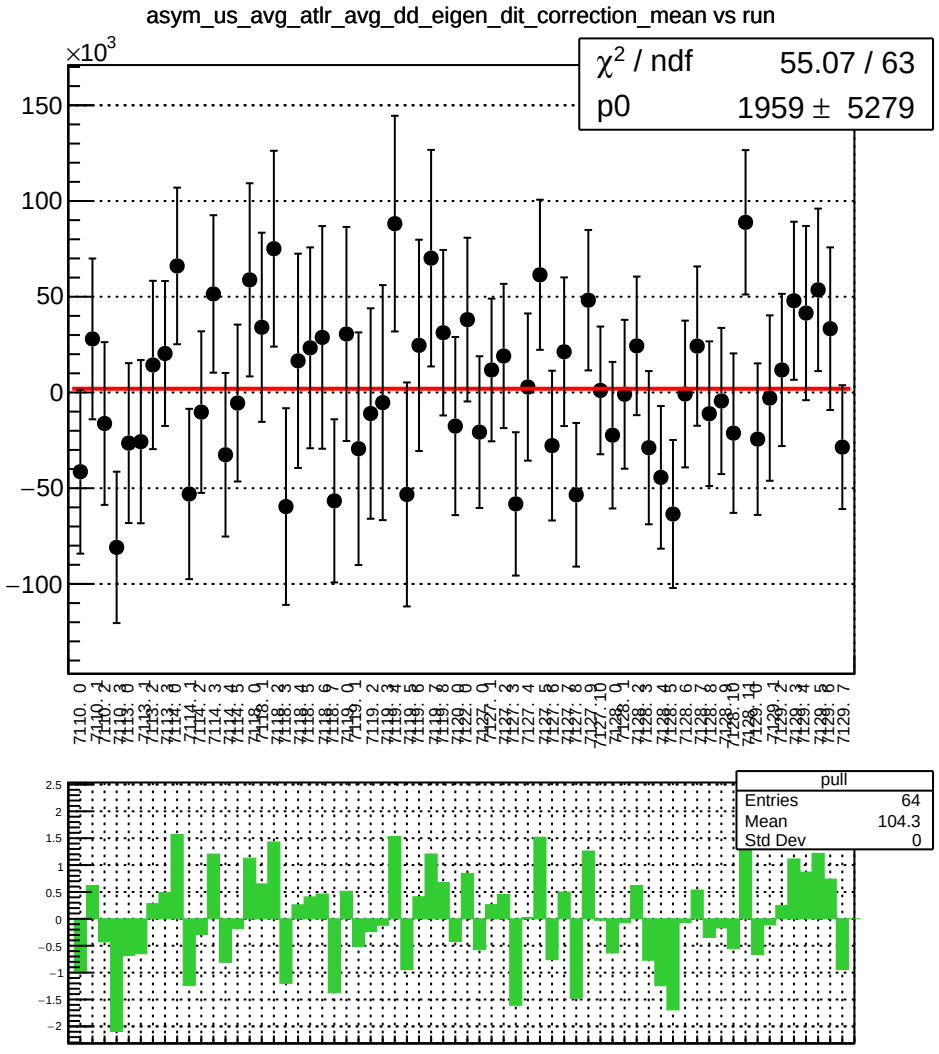

pull1D
Entries 64
Mean 0.02228
Std Dev 0.9273
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

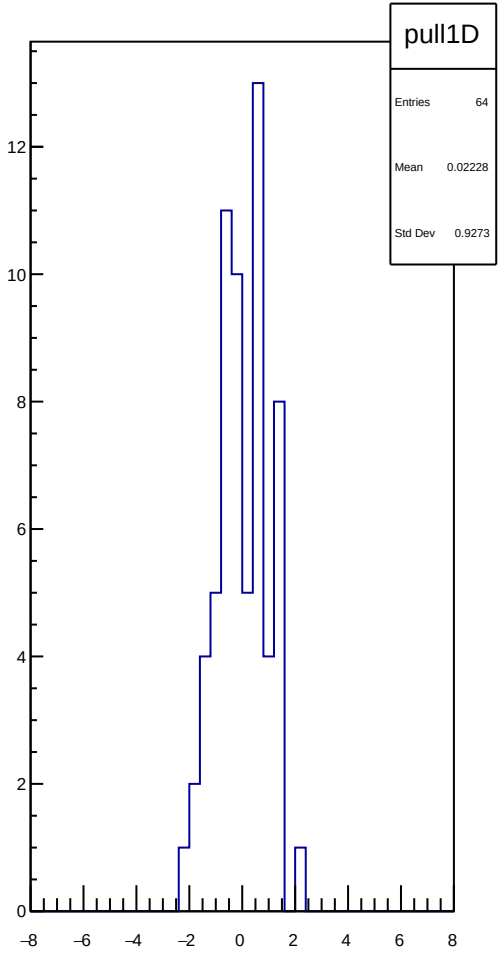

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.606e+04 / 63
p0 4089 ± 3.733
6000
5500
5000
4500
4000
3500

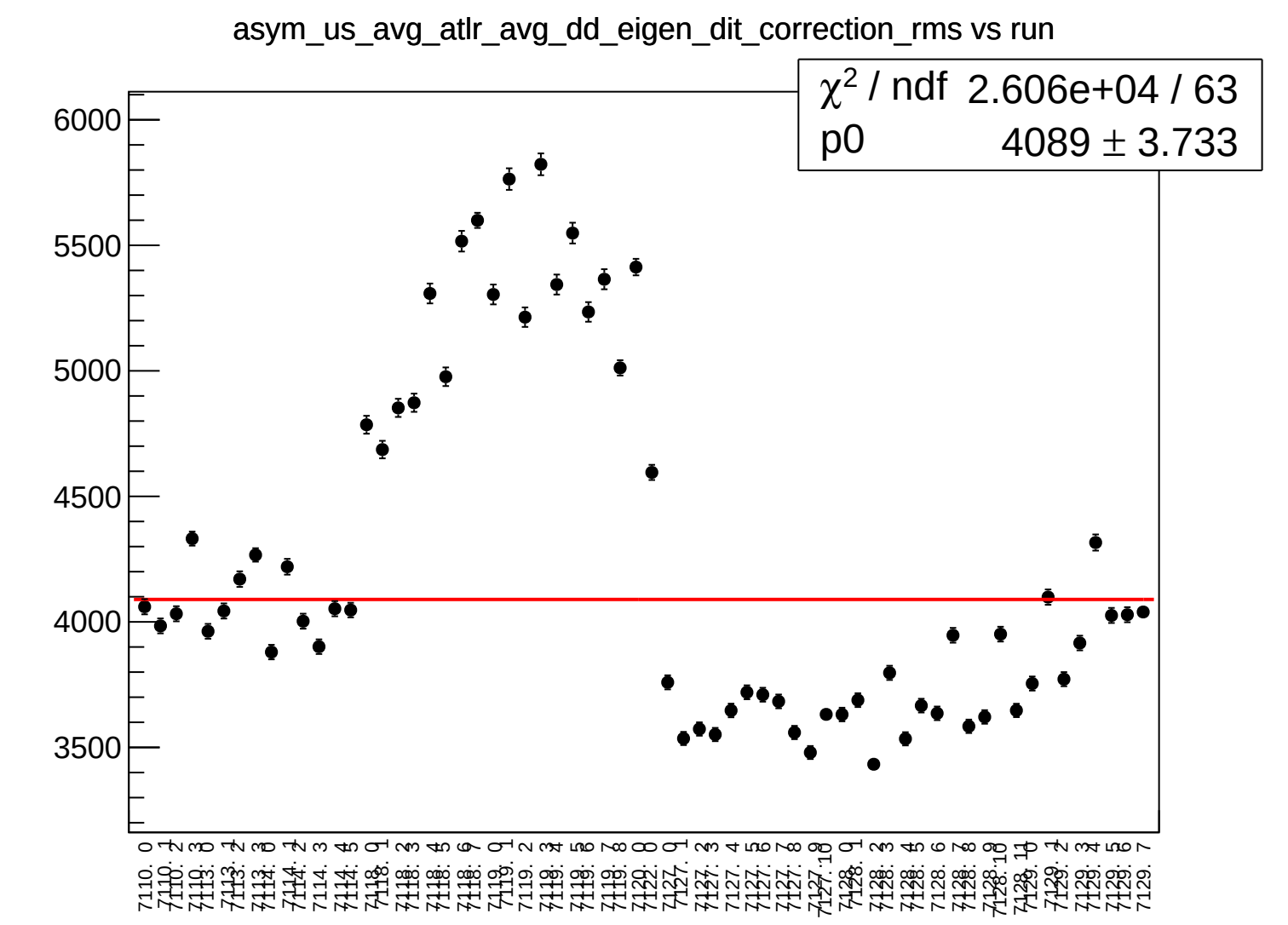

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 62.42 / 63
p0 −2928 ± 1459
pull
Entries 64
Mean 35.38
Std Dev 91.7

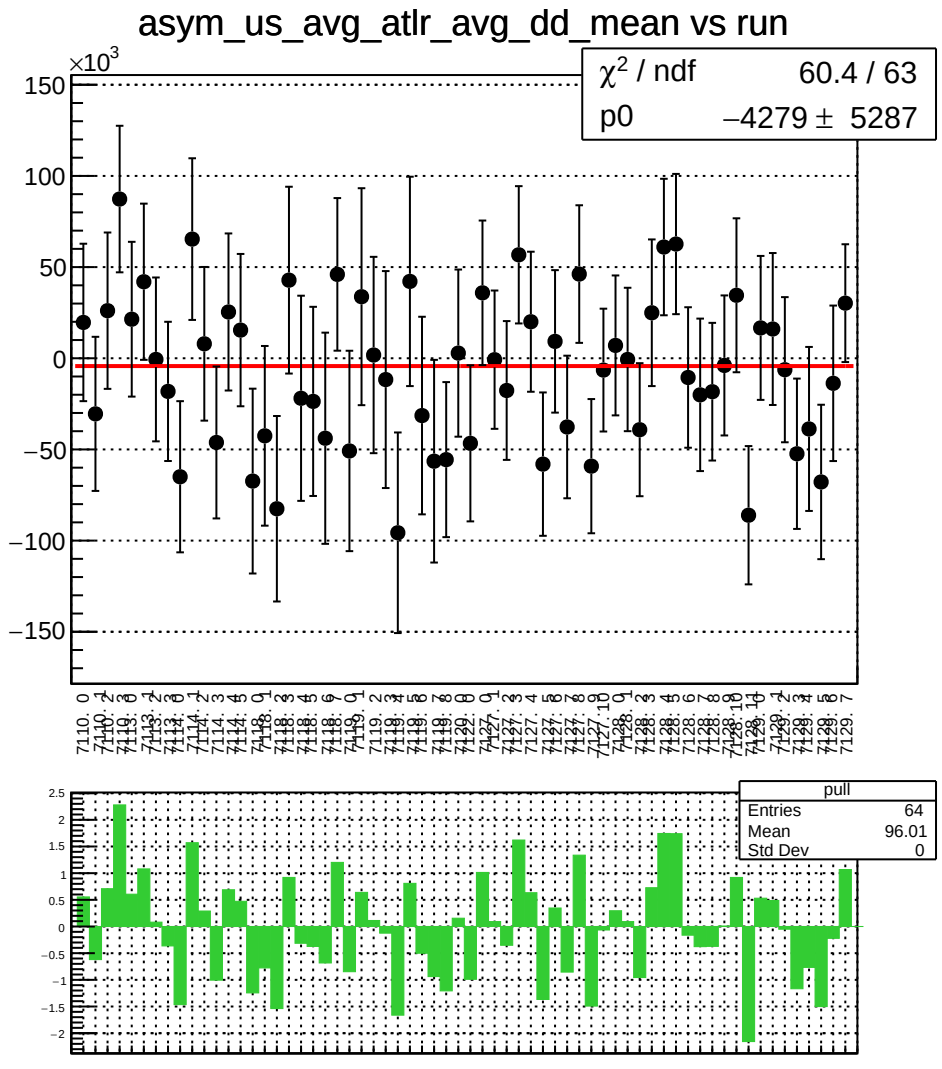

pull1D
Entries 64
Mean 0.009845
Std Dev 0.9875

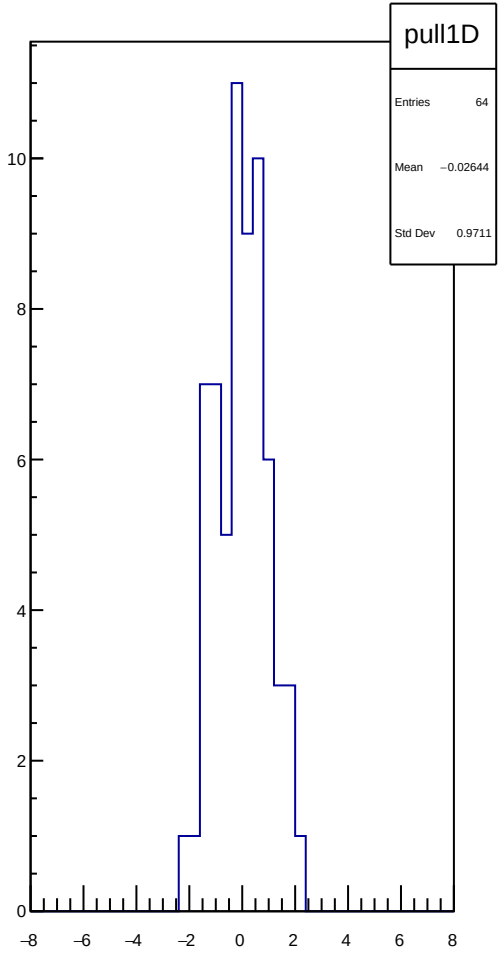

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 792.2 / 63
p0 1142 ± 1.031
1260
1240
1220
1200
1180
1160
1140
1120
1100

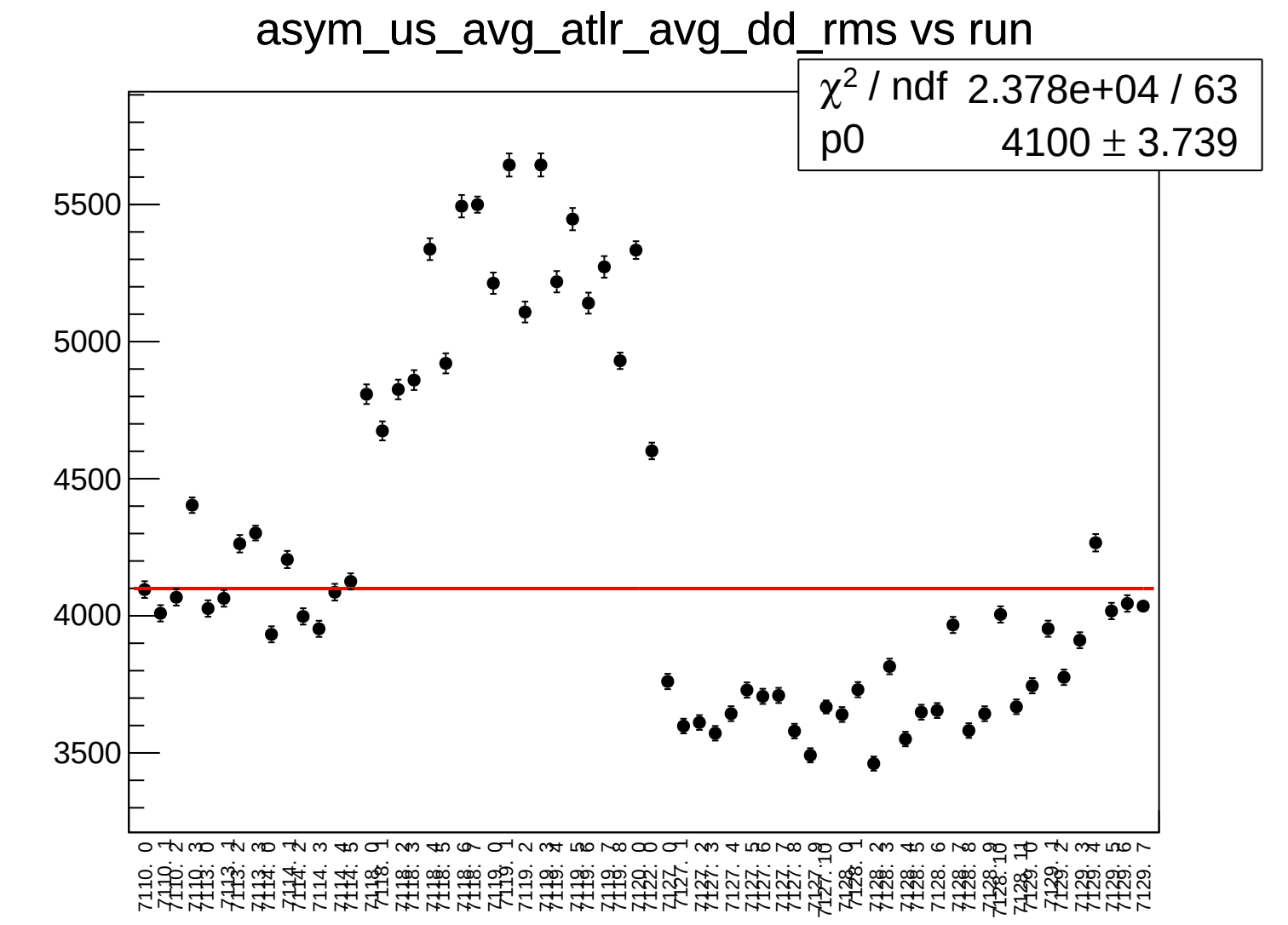

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.07 / 63
p0 1959 ± 5279
150
100
50
0
−50
−100
pull
Entries 64
Mean 104.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

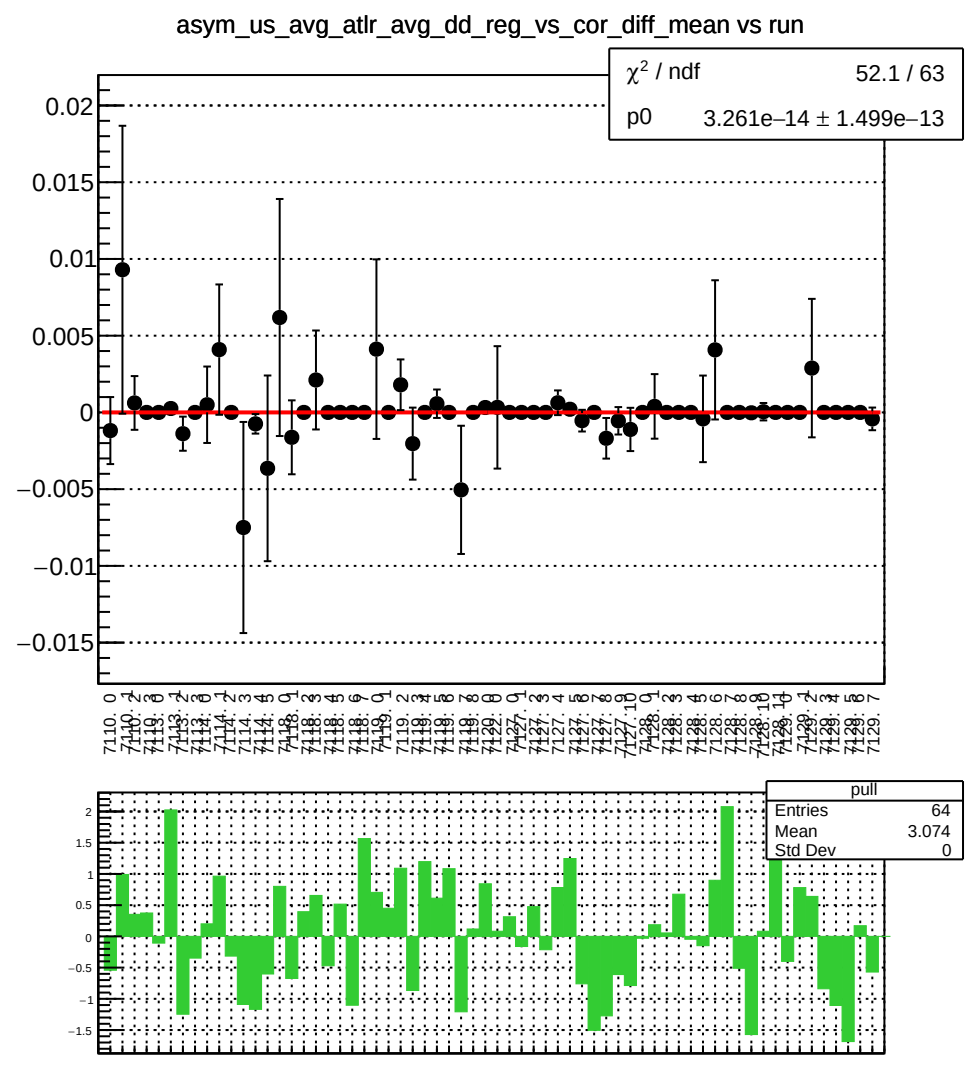

pull1D
Entries 64
Mean 0.02228
Std Dev 0.9273
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

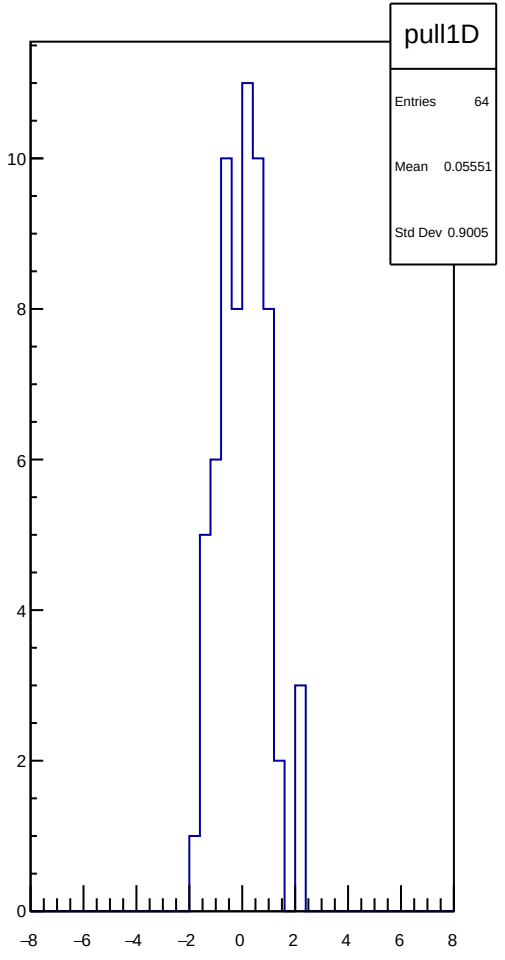

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.606e+04 / 63
p0 4089 ± 3.733
6000
5500
5000
4500
4000
3500

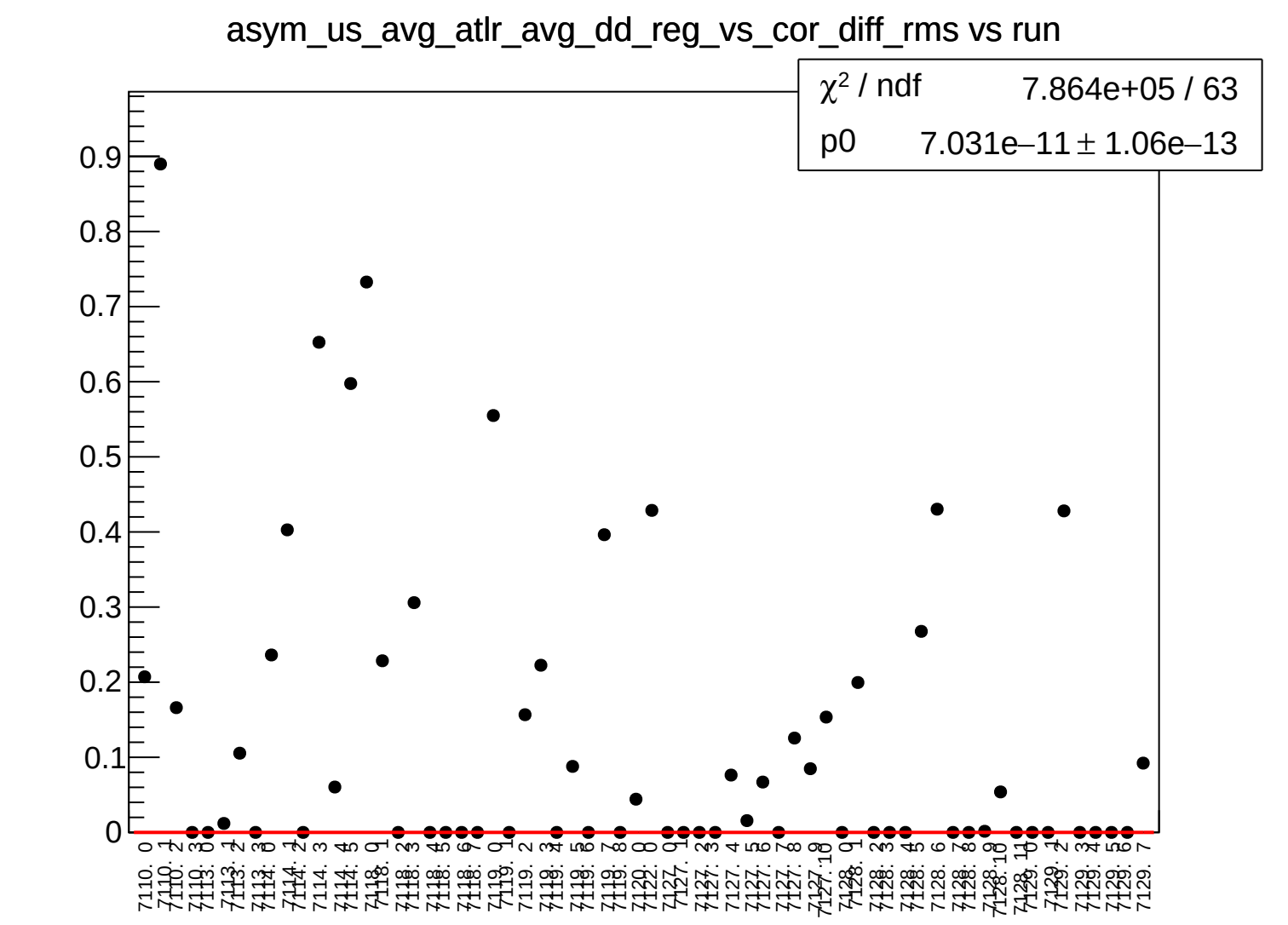

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 60.4 / 63
p0 −4279 ± 5287
pull
Entries 64
Mean 96.01
Std Dev 0

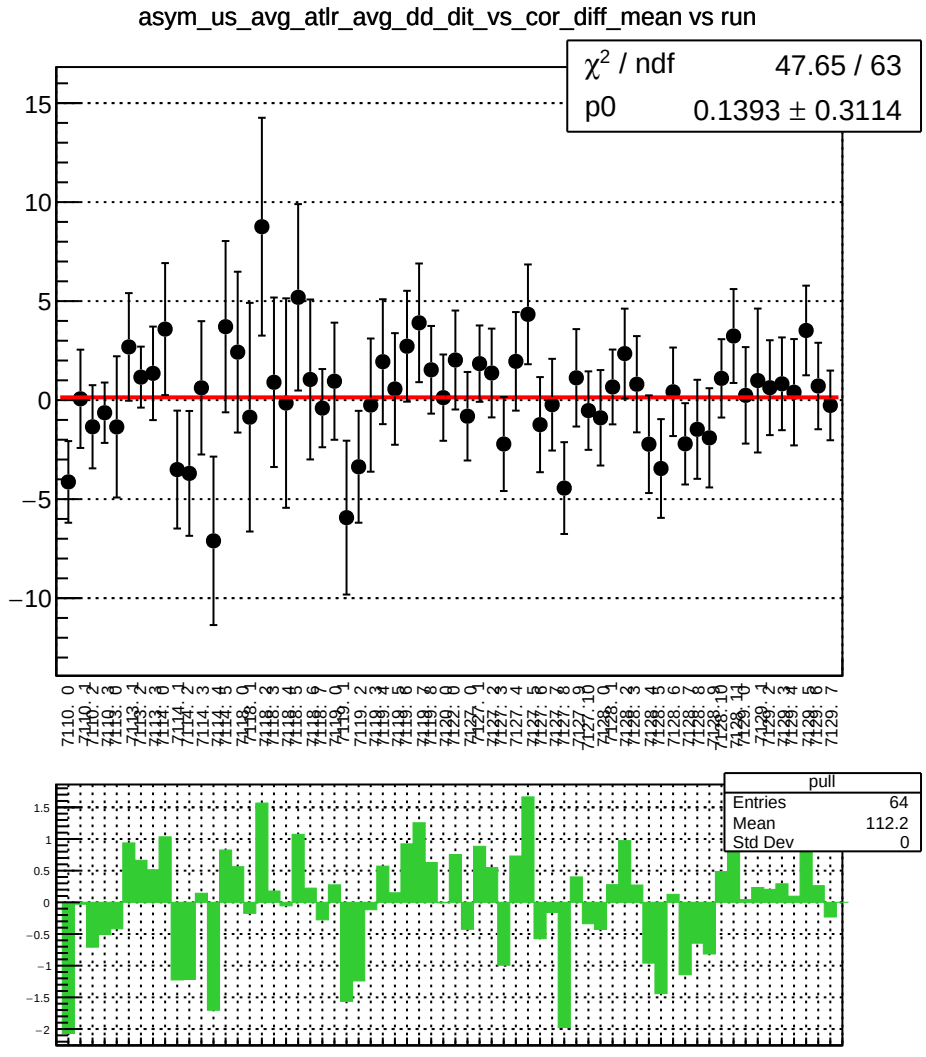

pull1D
Entries 64
Mean −0.02644
Std Dev 0.9711

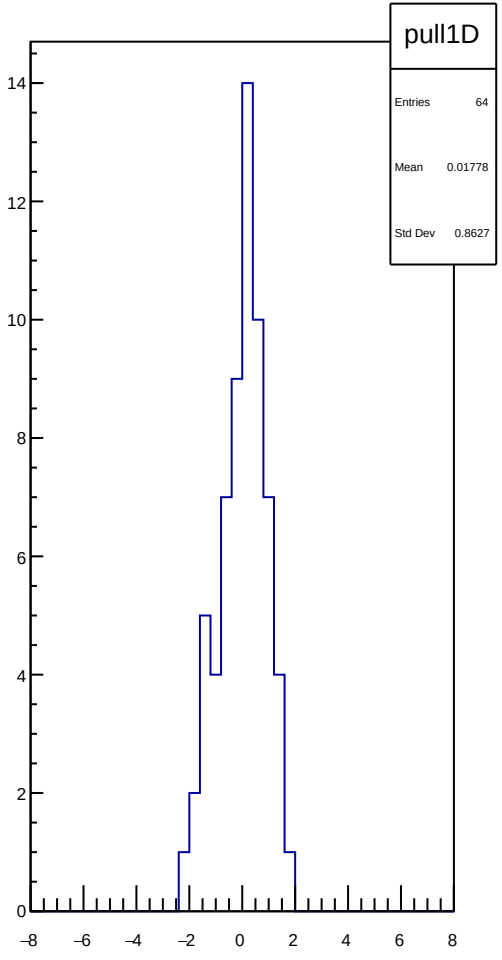

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2.378e+04 / 63
p0 4100 ± 3.739
5500
5000
4500
4000
3500

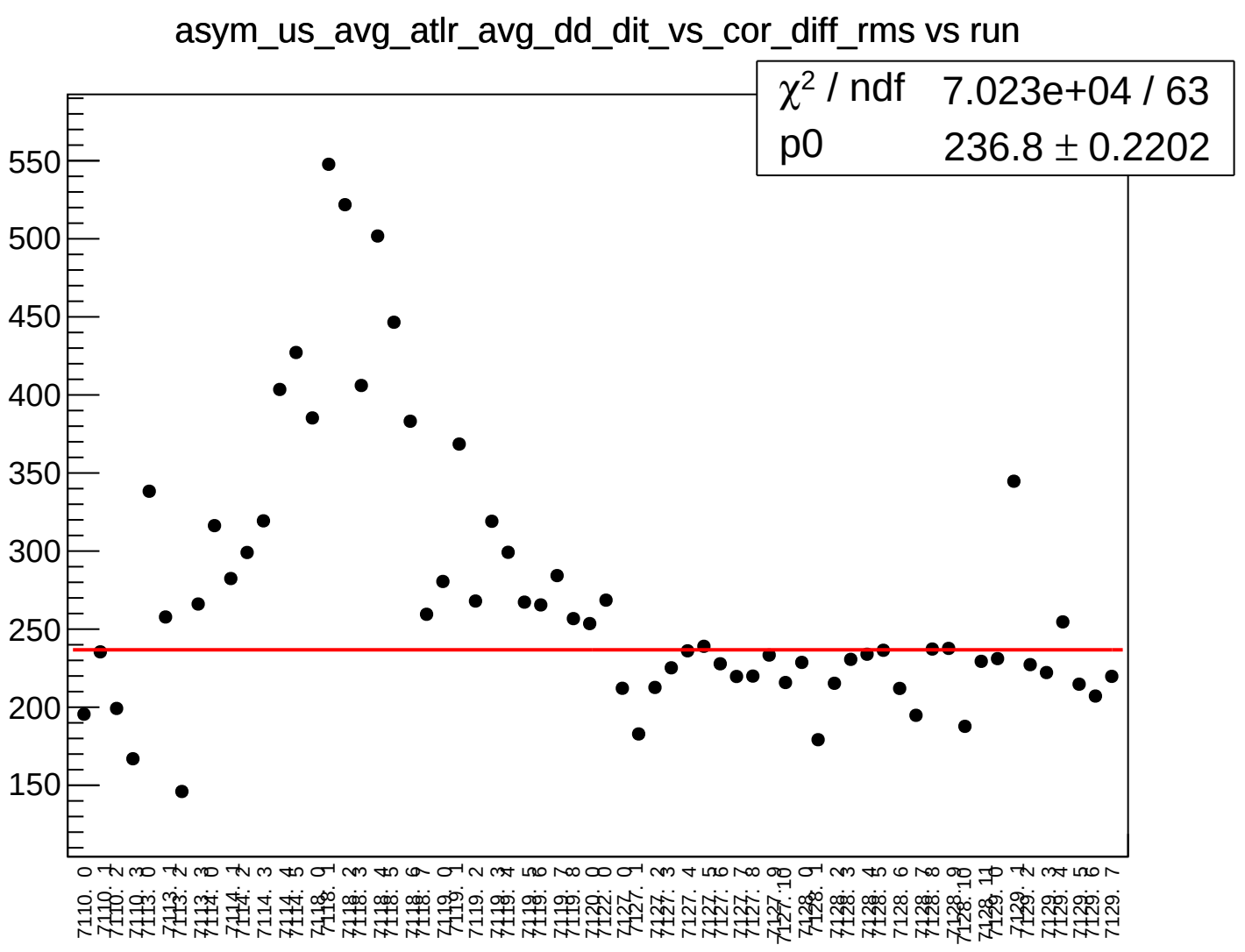

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.1 / 63
p0 3.261e−14 ± 1.499e−13
pull
Entries 64
Mean 3.074
Std Dev 0

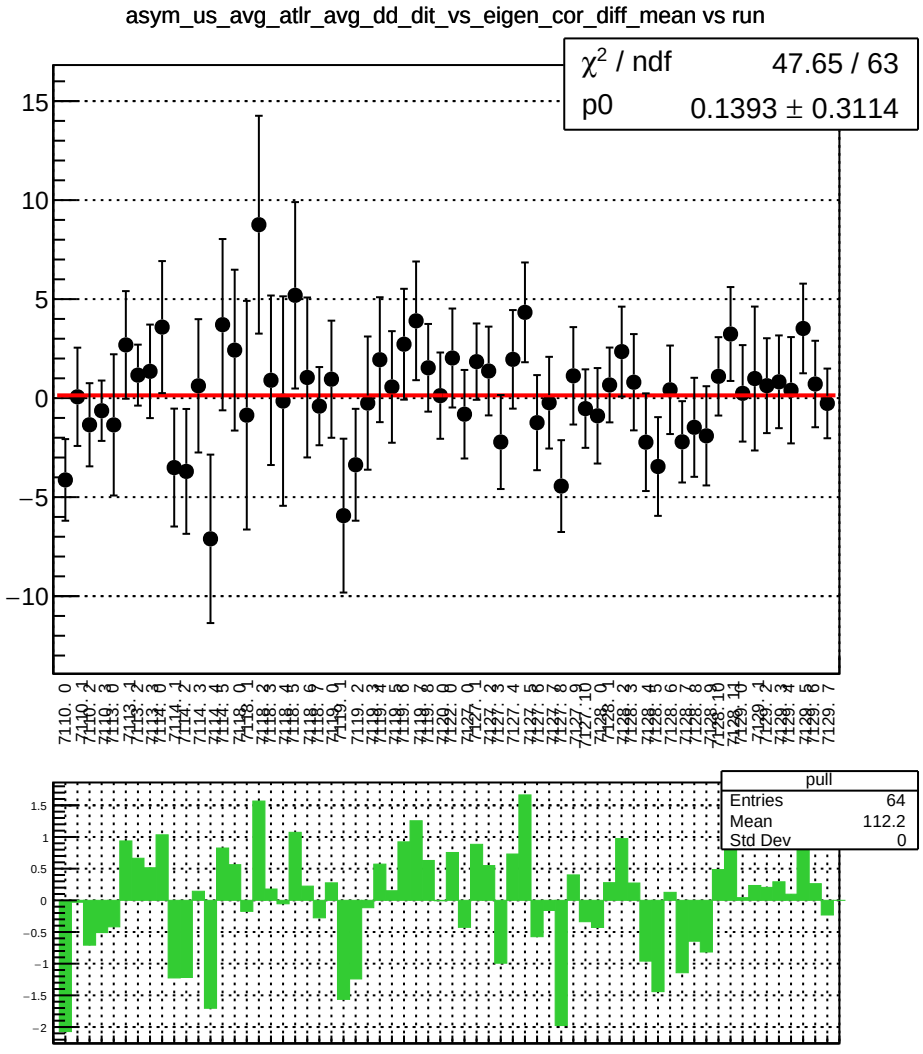

pull1D
Entries 64
Mean 0.05551
Std Dev 0.9005

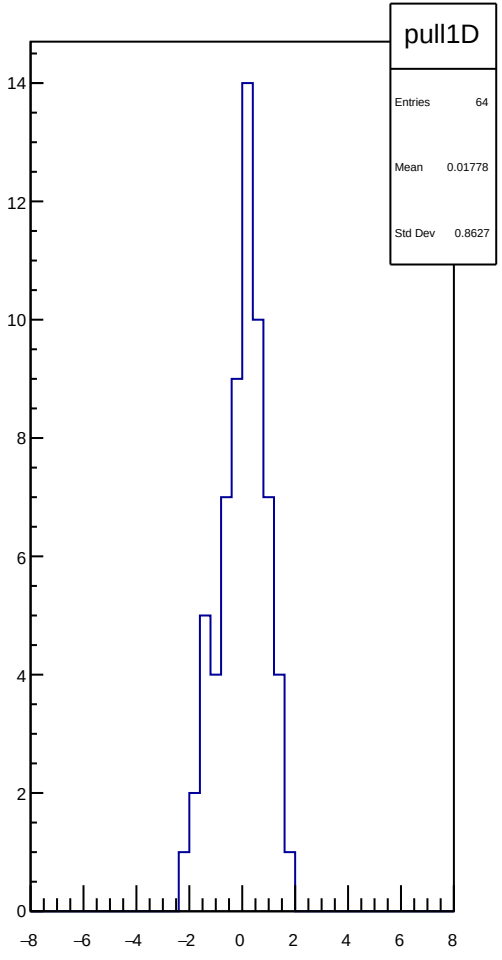

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.864e+05 / 63
p0 7.031e−11 ± 1.06e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

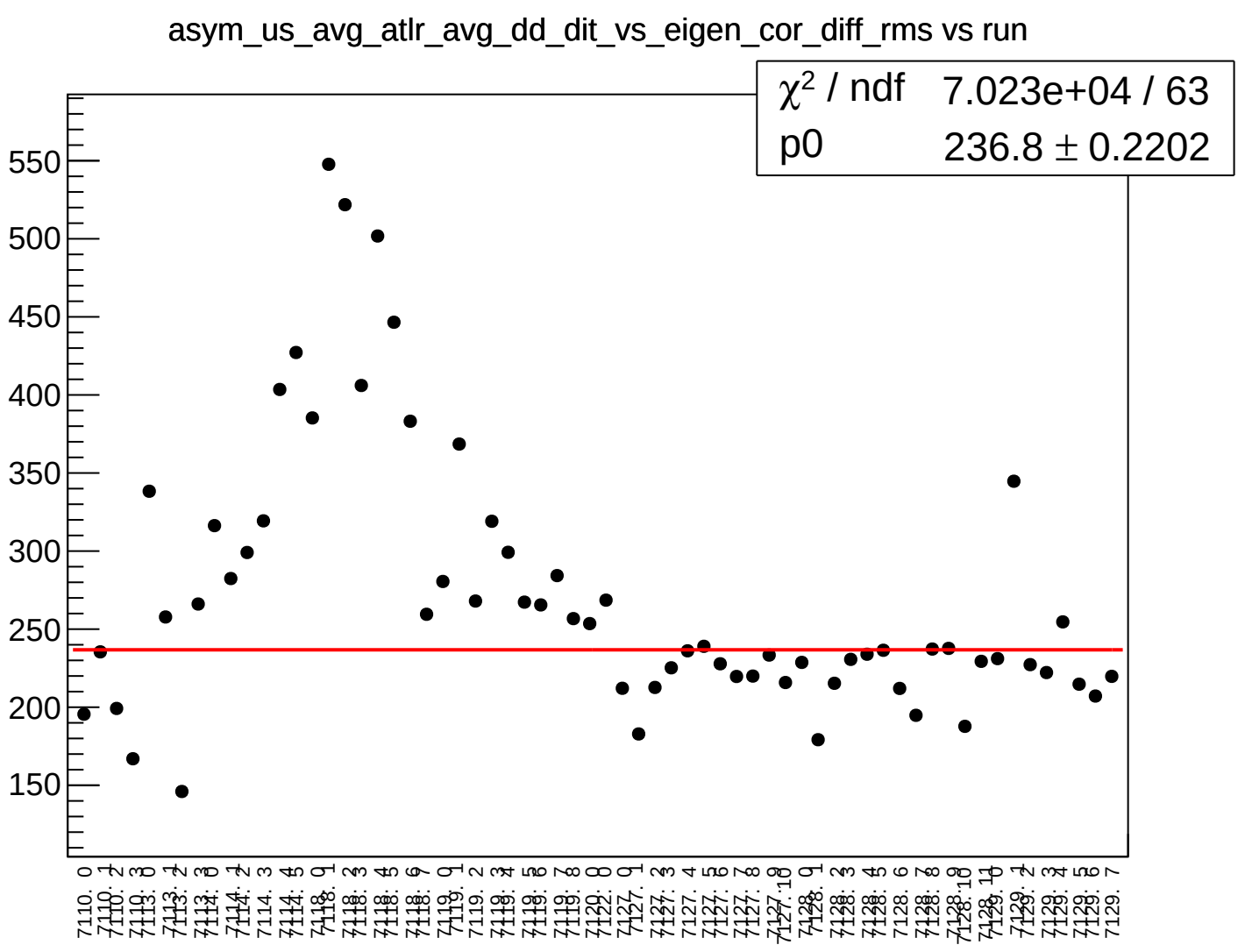

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.65 / 63
p0 0.1393 ± 0.3114
pull
Entries 64
Mean 112.2
Std Dev 0

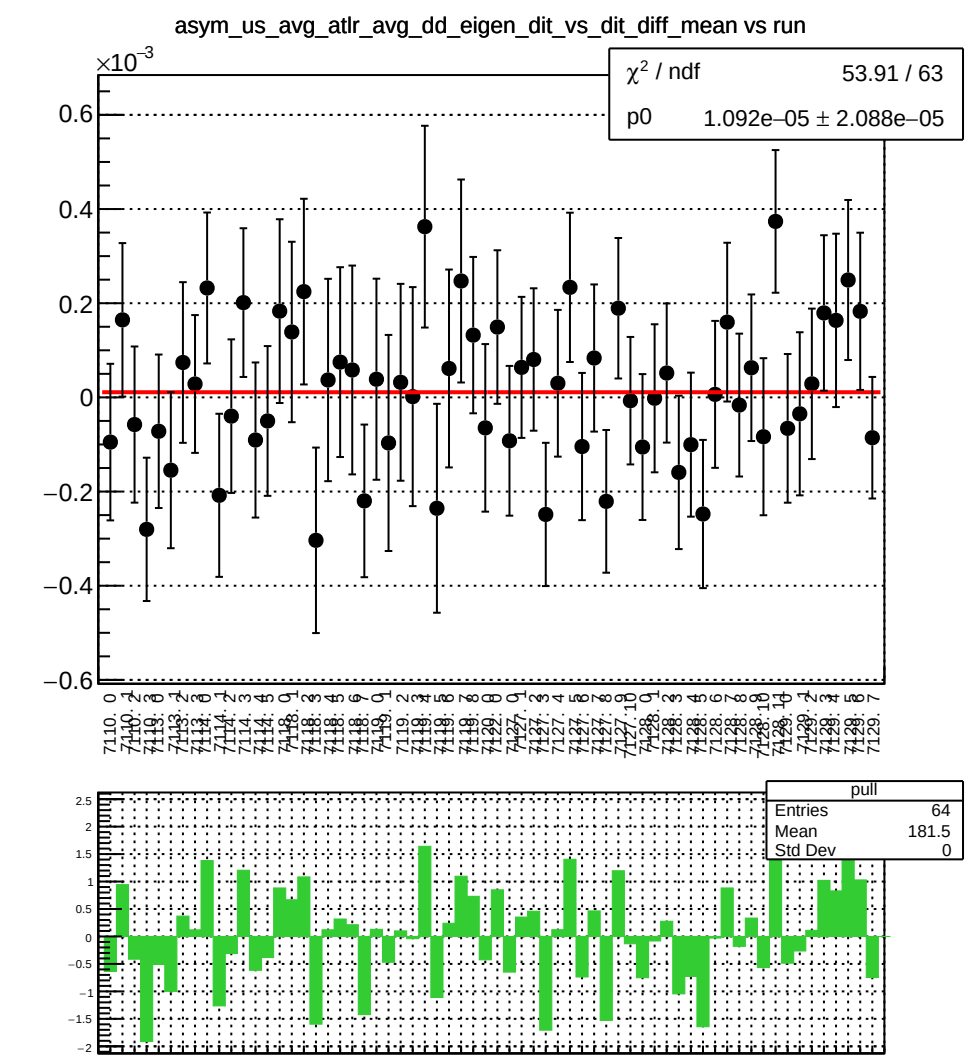

pull1D
Entries 64
Mean 0.01778
Std Dev 0.8627

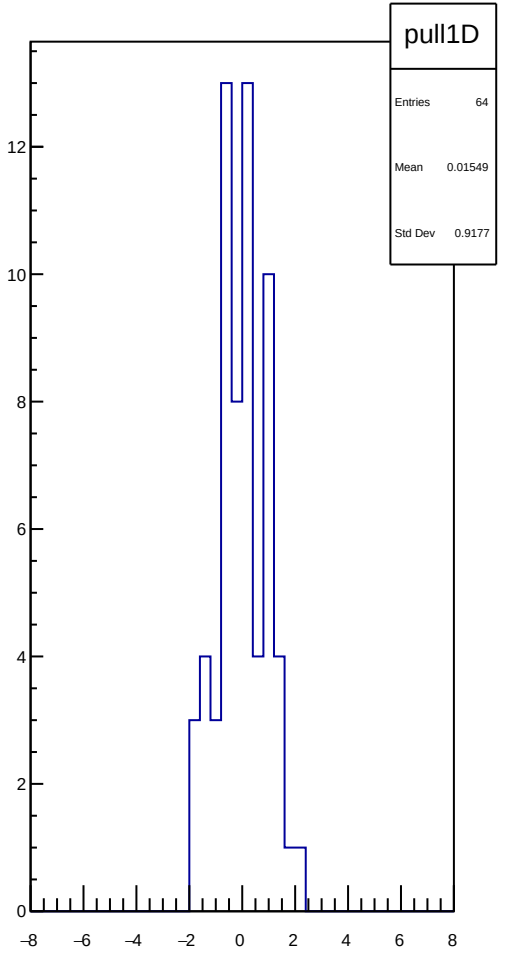

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.023e+04 / 63
p0 236.8 ± 0.2202
550
500
450
400
350
300
250
200
150

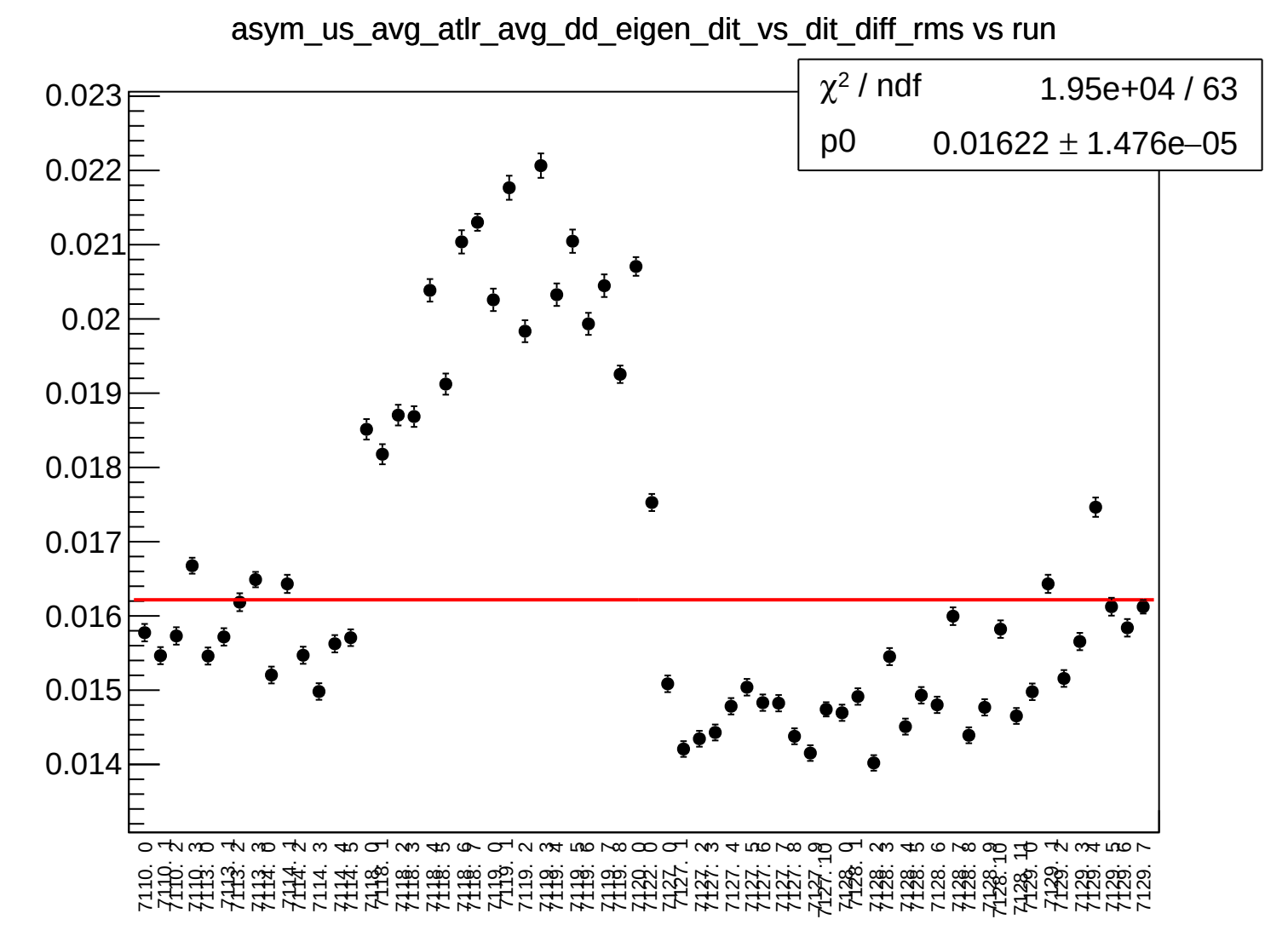

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.65 / 63
p0 0.1393 ± 0.3114
pull
Entries 64
Mean 112.2
Std Dev 0

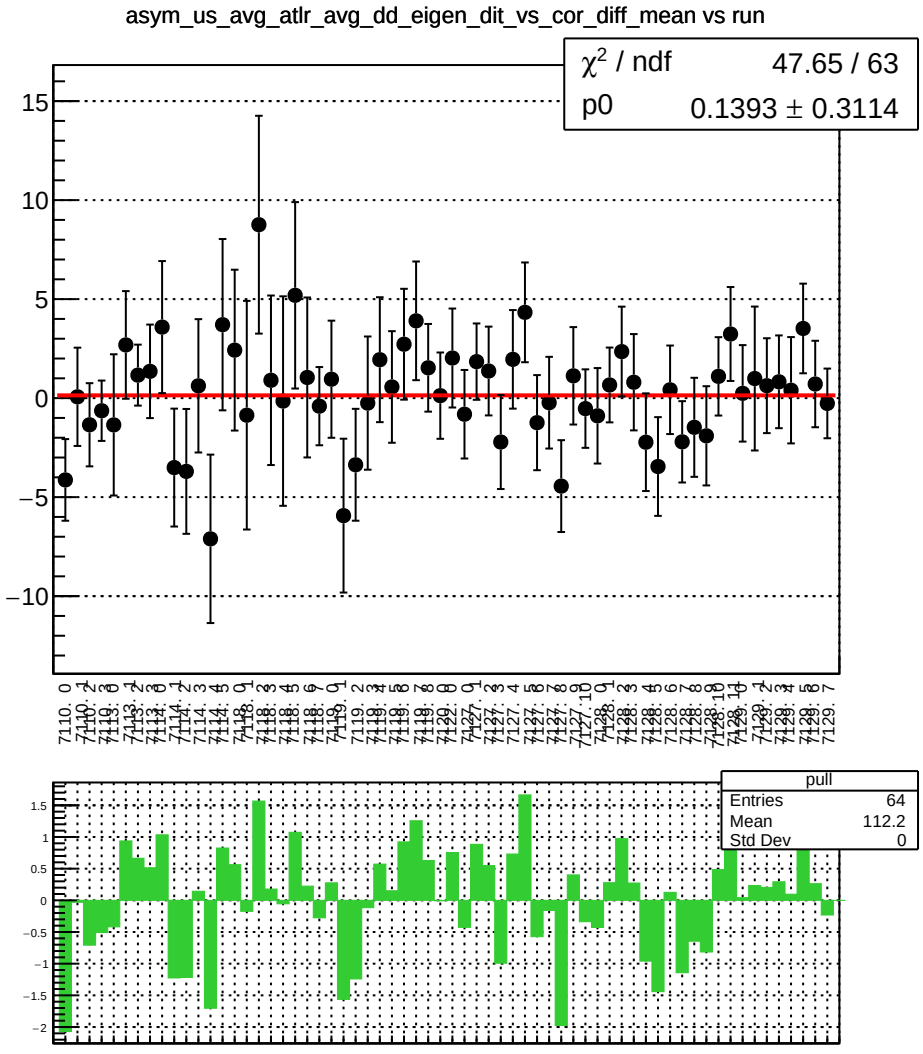

pull1D
Entries 64
Mean 0.01778
Std Dev 0.8627

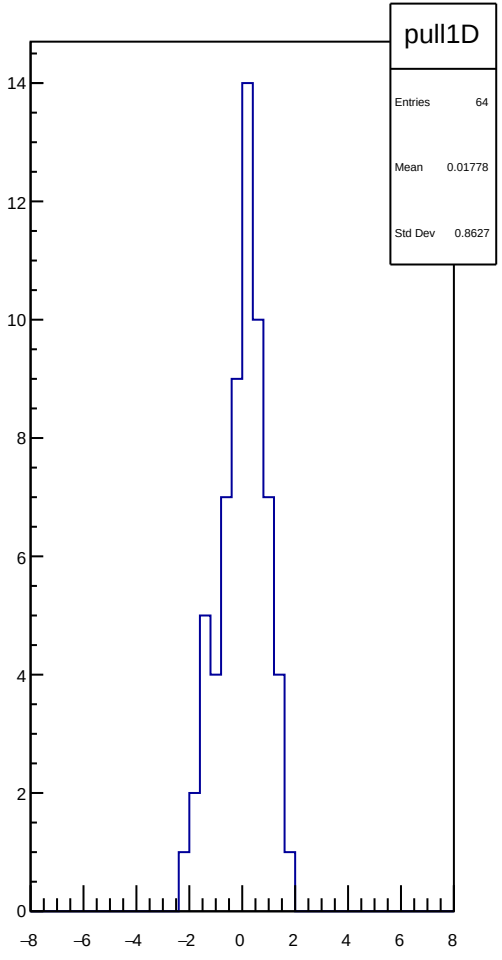

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.023e+04 / 63
p0 236.8 ± 0.2202
550
500
450
400
350
300
250
200
150

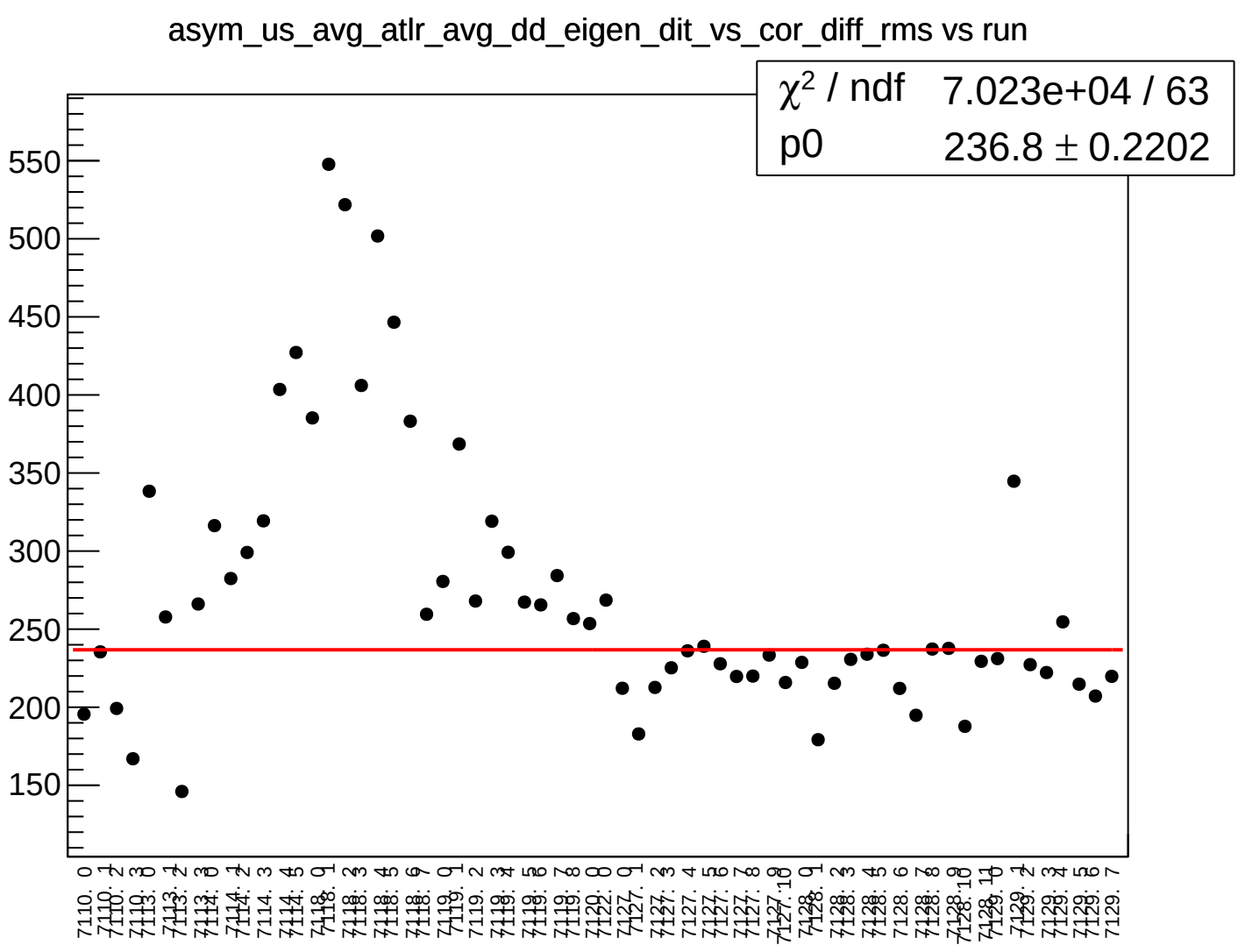

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.91 / 63
p0 1.092e−05 ± 2.088e−05
pull
Entries 64
Mean 181.5
Std Dev 0

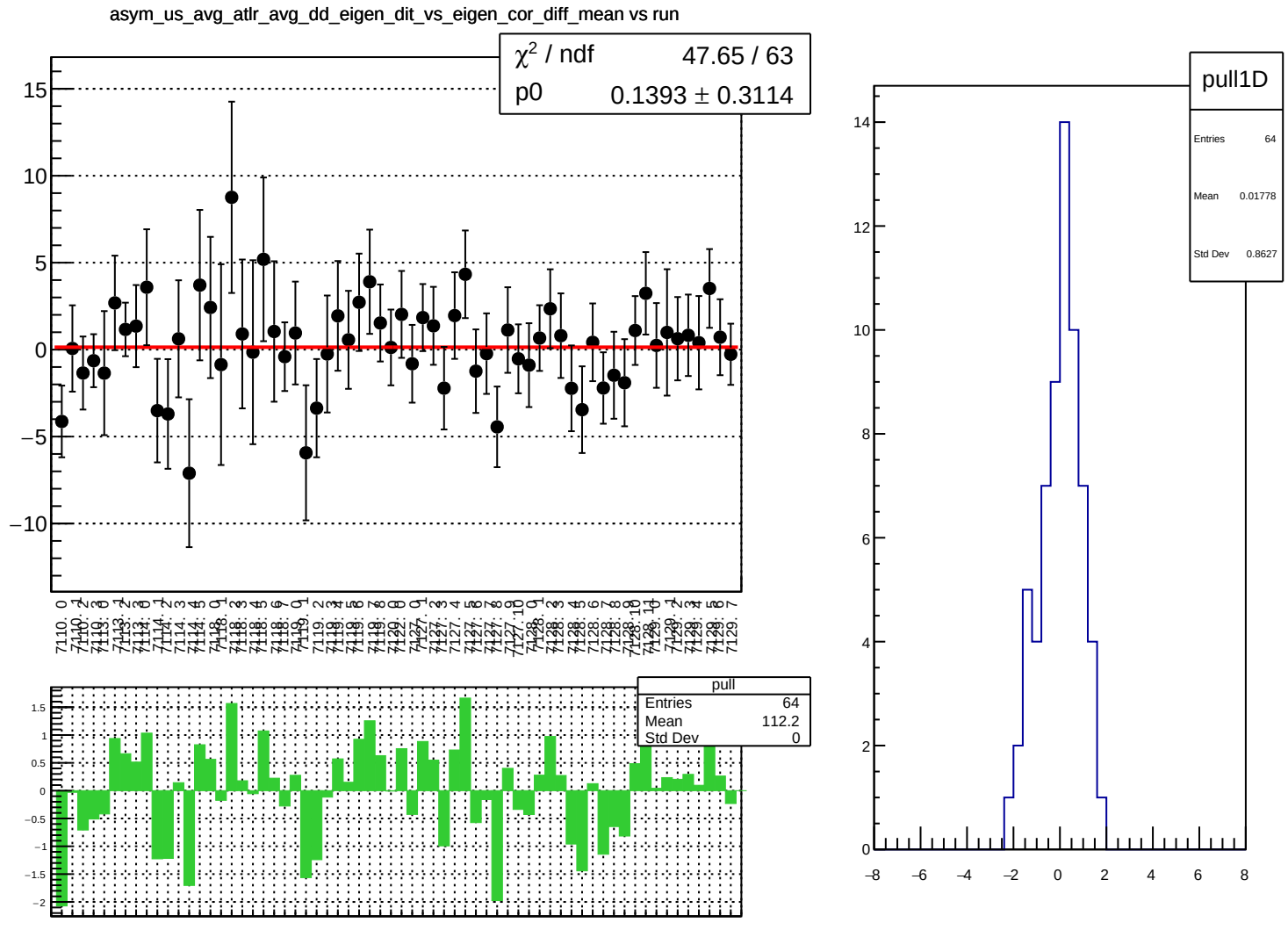

pull1D
Entries 64
Mean 0.01549
Std Dev 0.9177

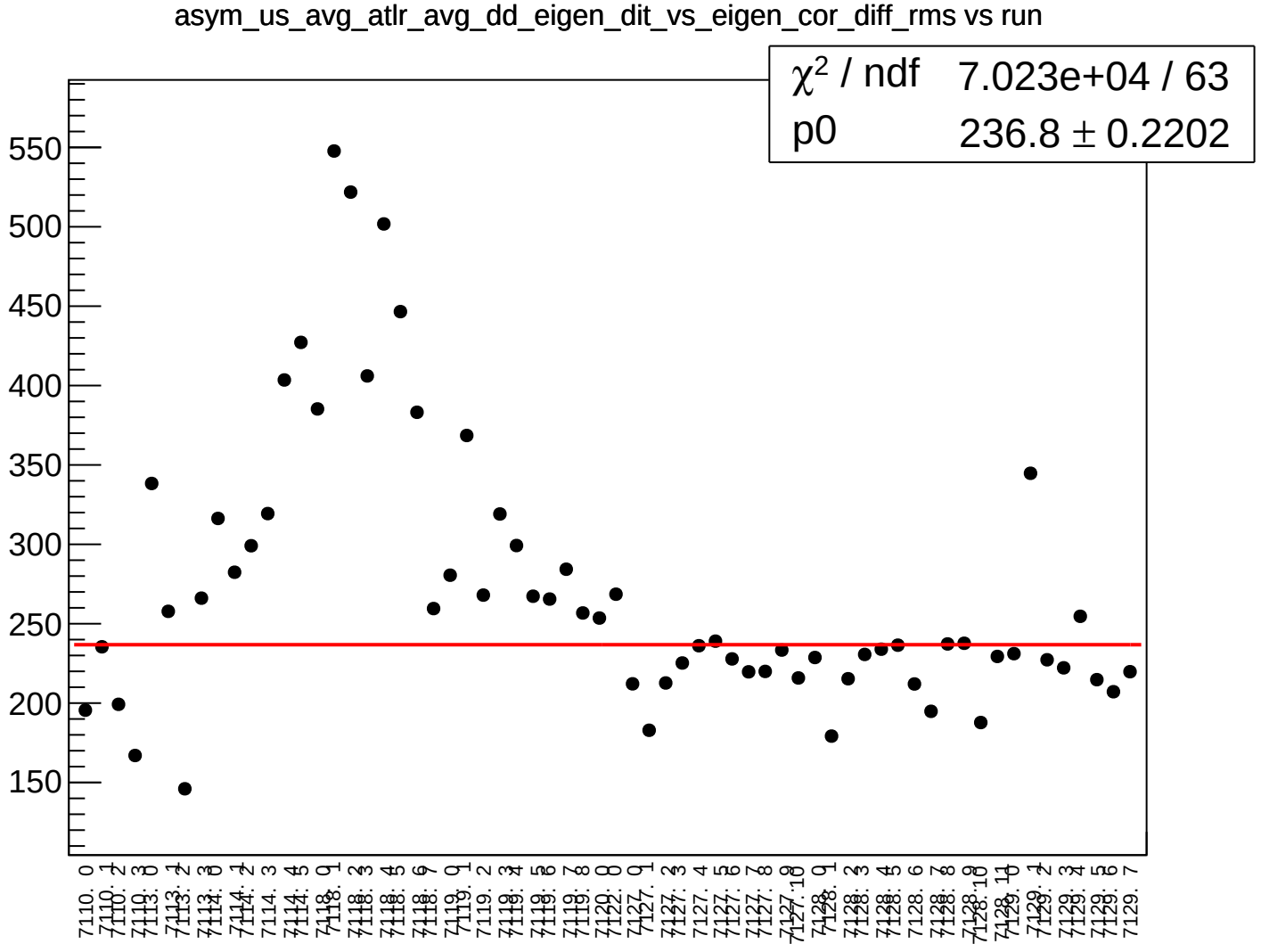

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.95e+04 / 63
p0 0.01622 ± 1.476e–05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015
0.014

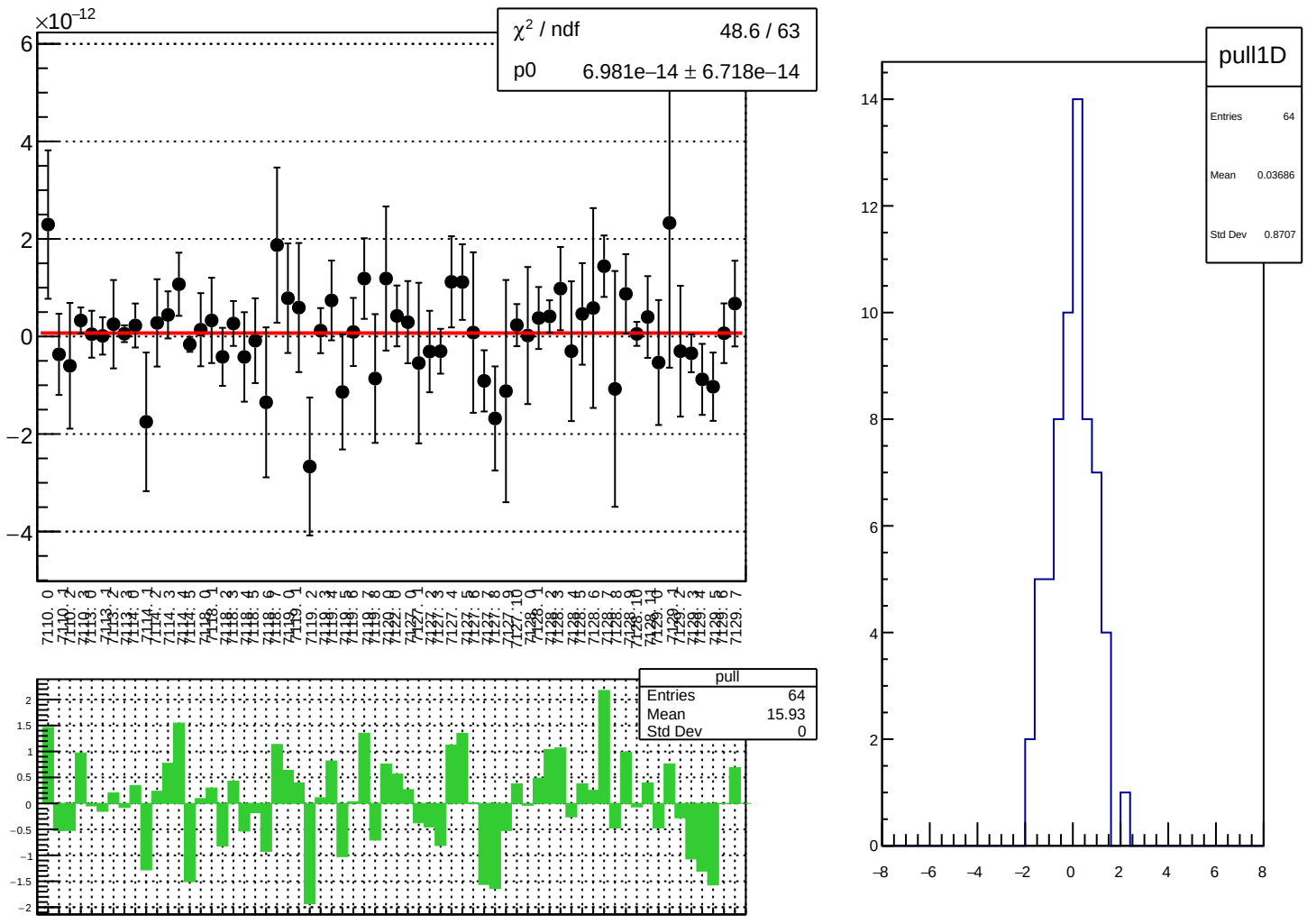

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.65 / 63
p0 0.1393 ± 0.3114
pull
Entries 64
Mean 112.2
Std Dev 0

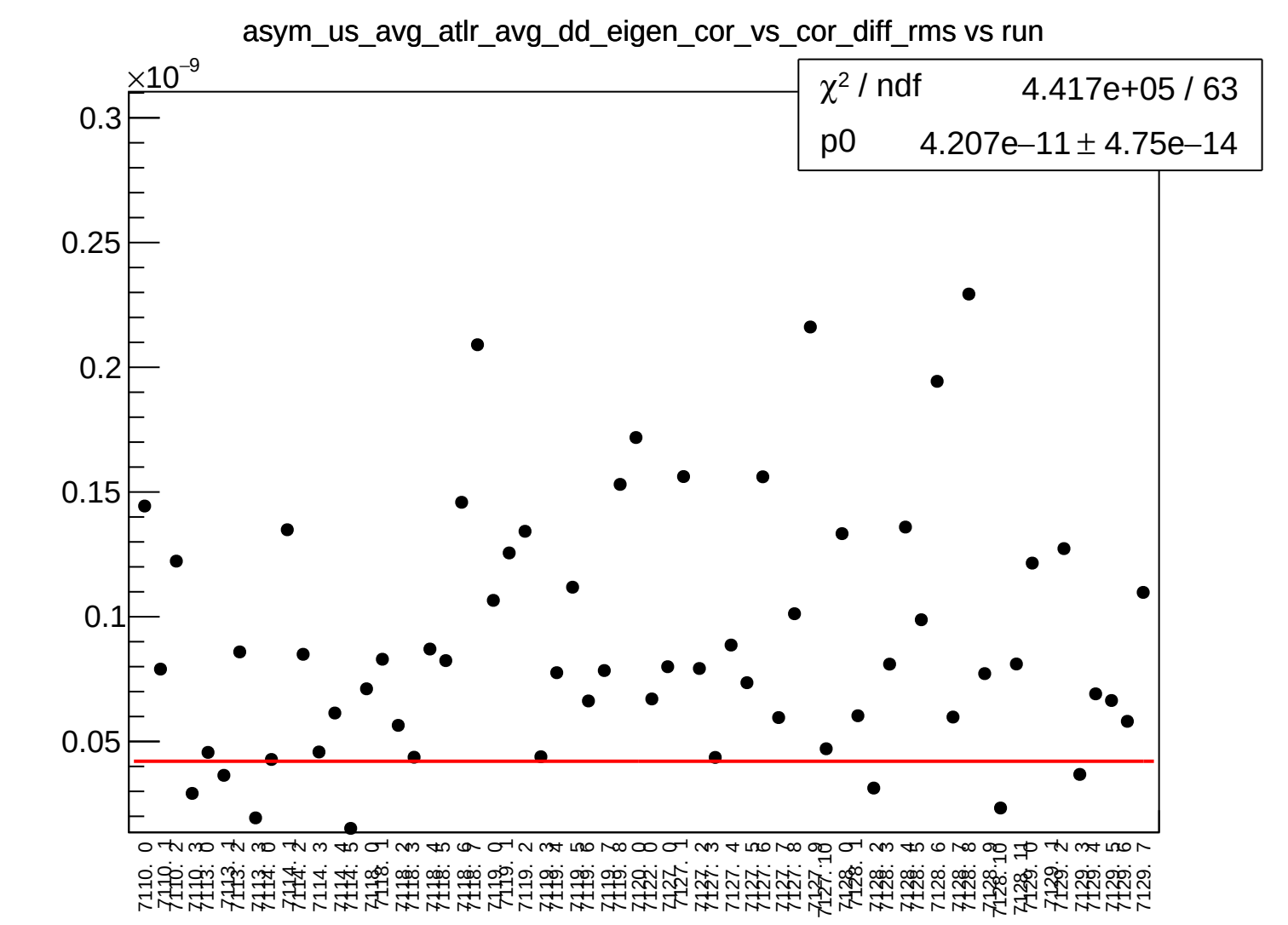

pull1D
Entries 64
Mean 0.01778
Std Dev 0.8627

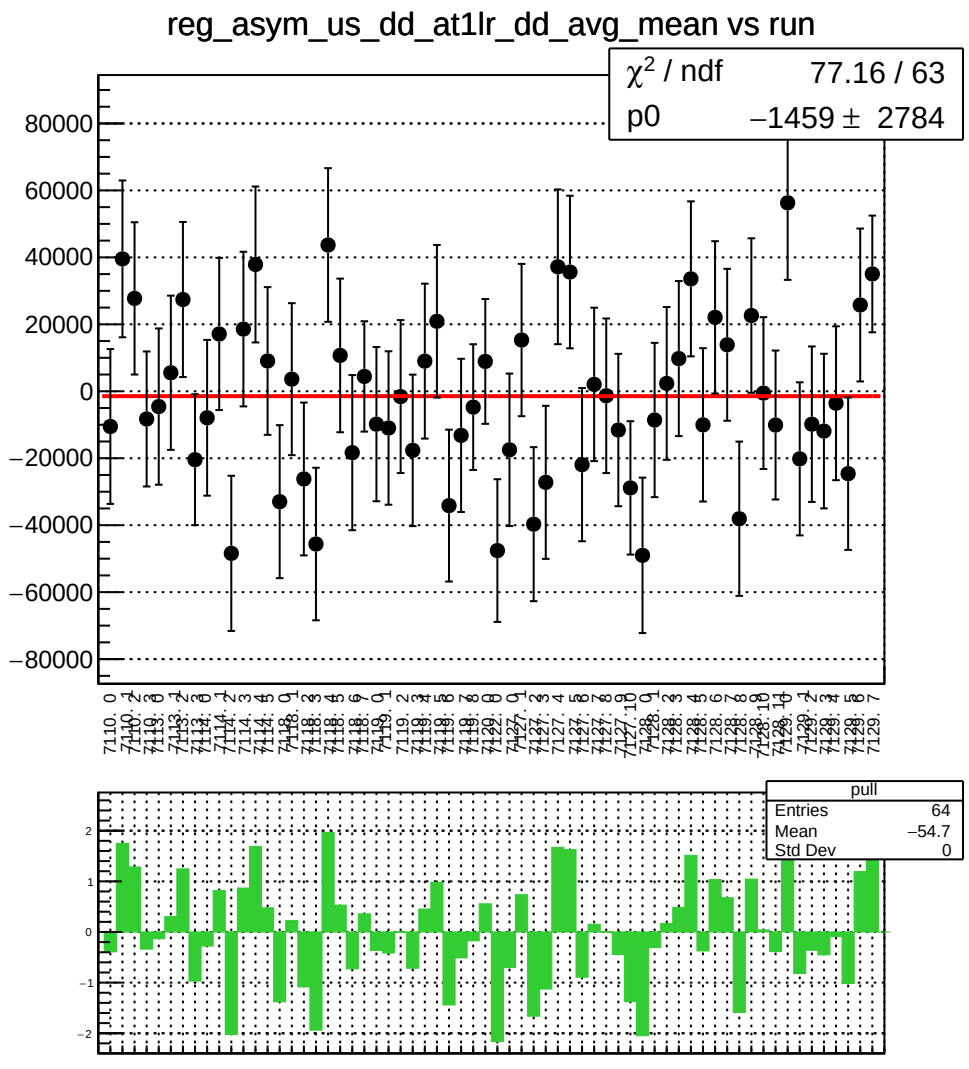

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.023e+04 / 63
p0 236.8 ± 0.2202
550
500
450
400
350
300
250
200
150

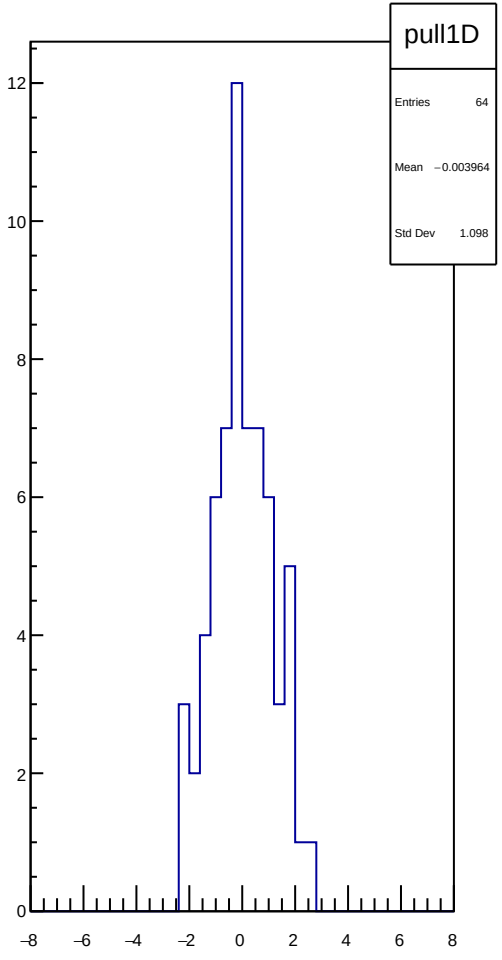

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.65 / 63
p0 0.1393 ± 0.3114
pull
Entries 64
Mean 112.2
Std Dev 0
pull1D
Entries 64
Mean 0.01778
Std Dev 0.8627

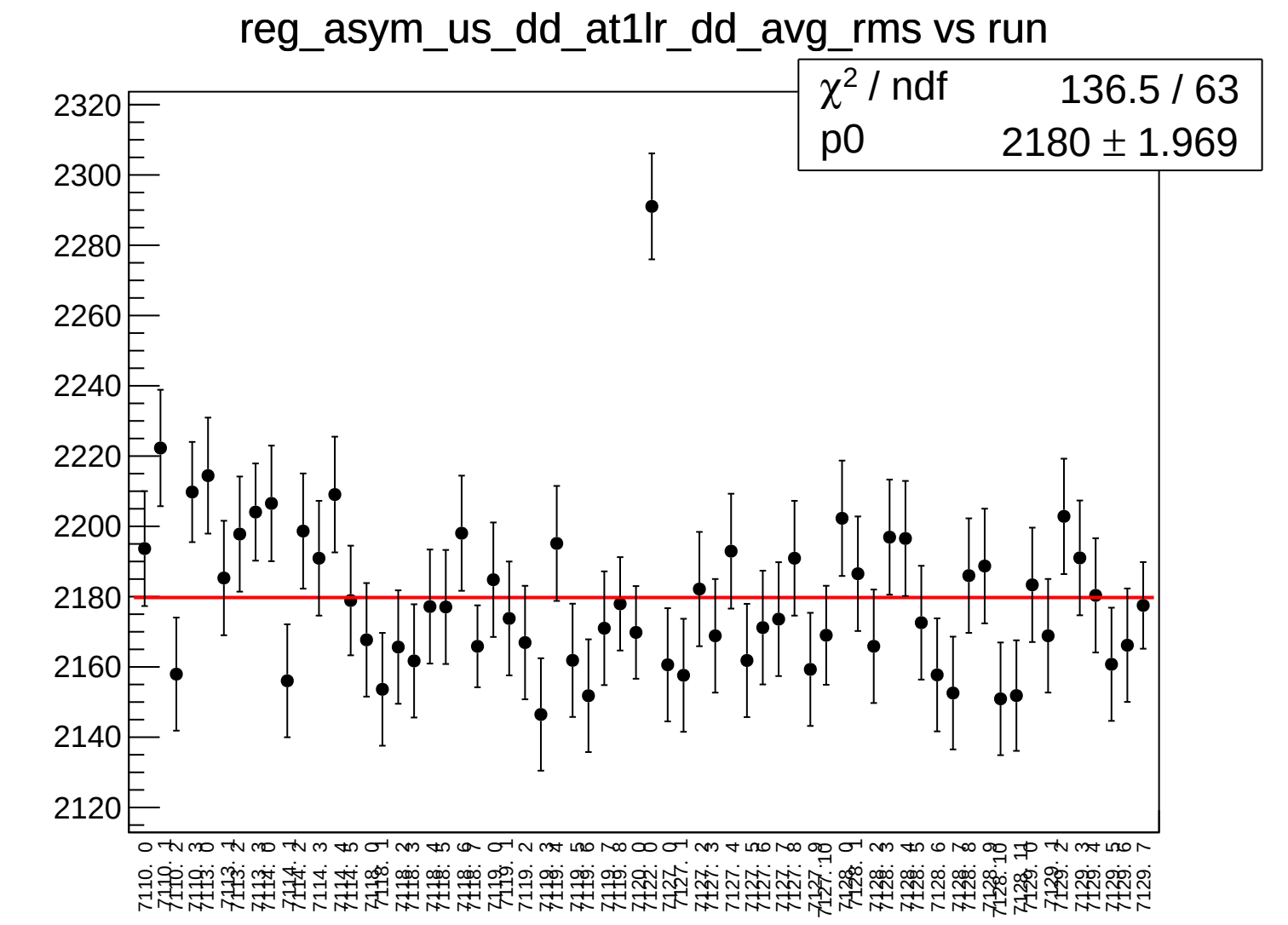

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.023e+04 / 63
p0 236.8 ± 0.2202
550
500
450
400
350
300
250
200
150

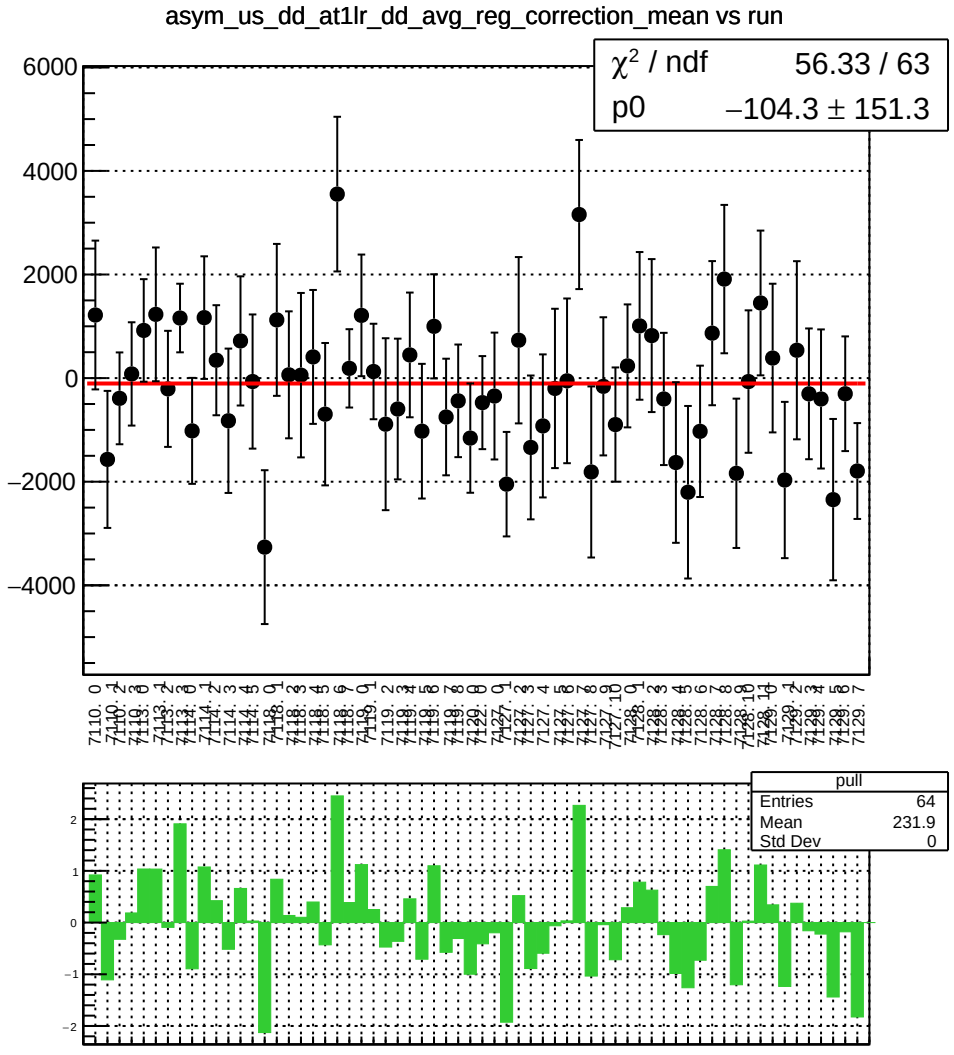

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.6 / 63
p0 6.981e−14 ± 6.718e−14
pull
Entries 64
Mean 15.93
Std Dev 0
pull1D
Entries 64
Mean 0.03686
Std Dev 0.8707

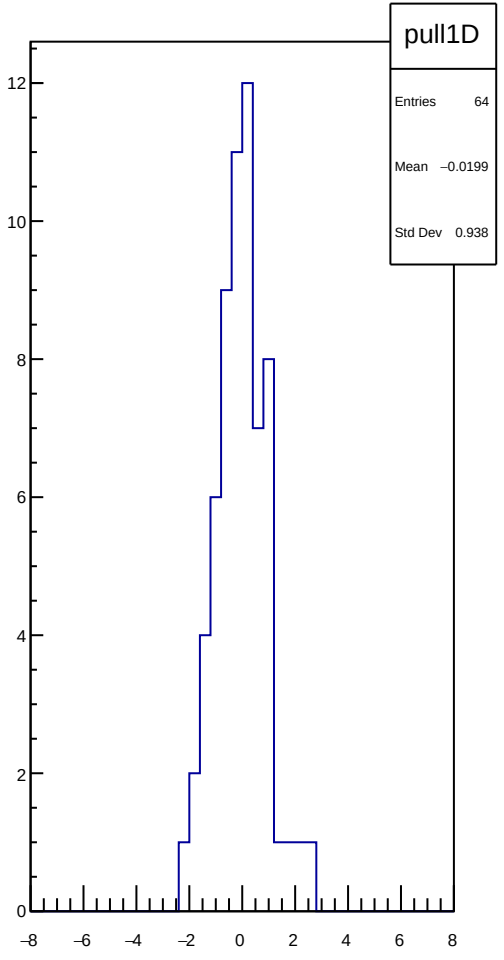

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.417e+05 / 63
p0 4.207e−11 ± 4.75e−14
0.3
0.25
0.2
0.15
0.1
0.05

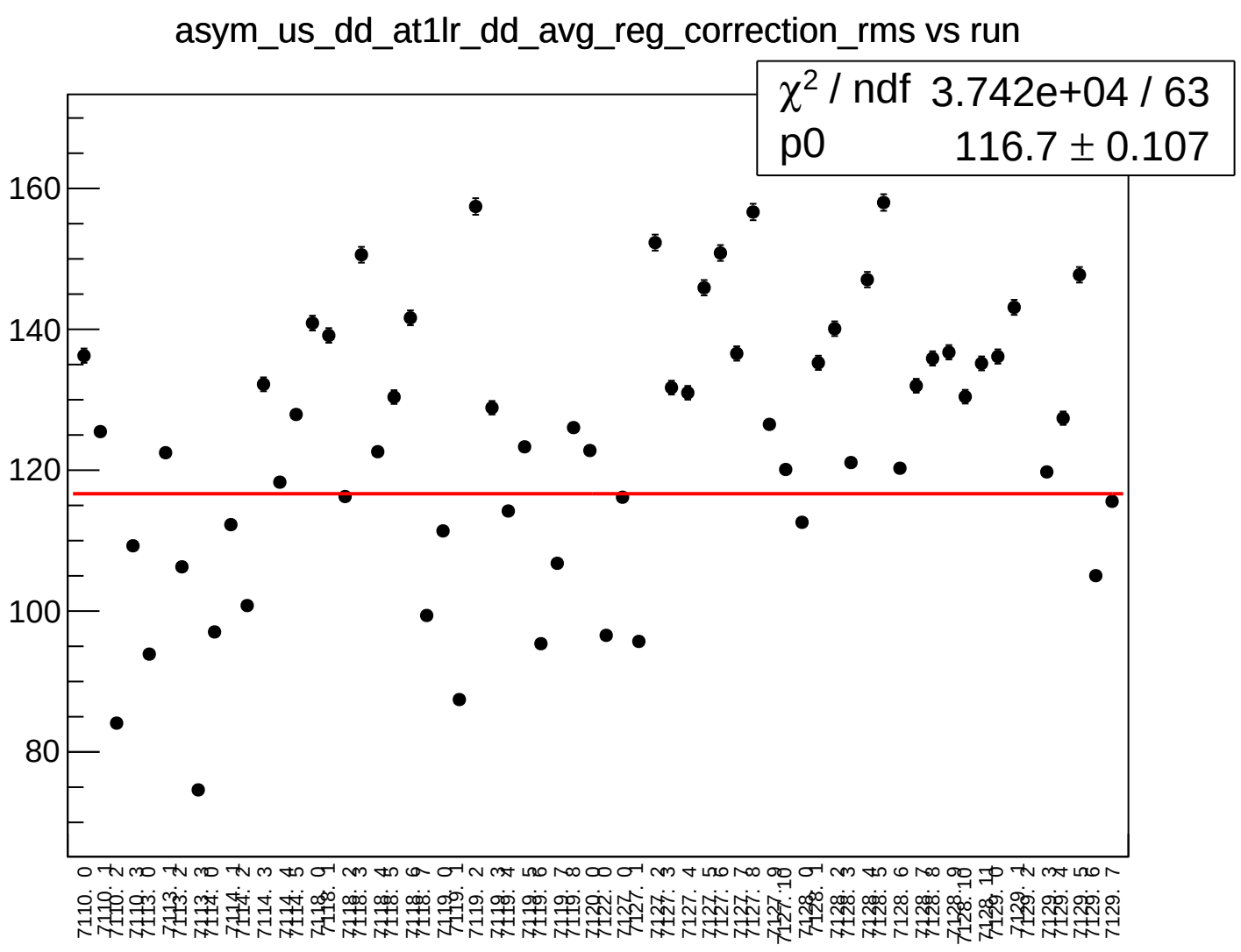

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 77.16 / 63
p0 −1459 ± 2784
pull
Entries 64
Mean −54.7
Std Dev 0

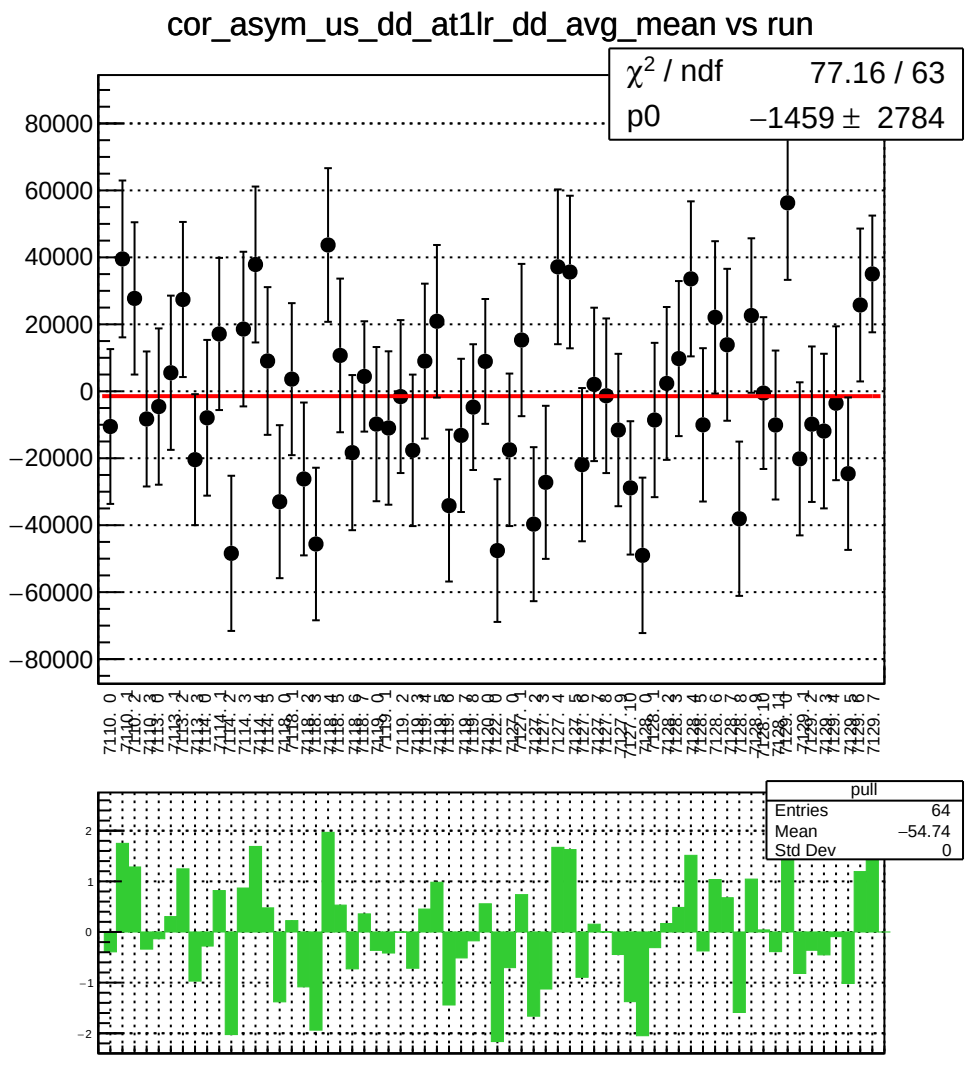

pull1D
Entries 64
Mean −0.003964
Std Dev 1.098

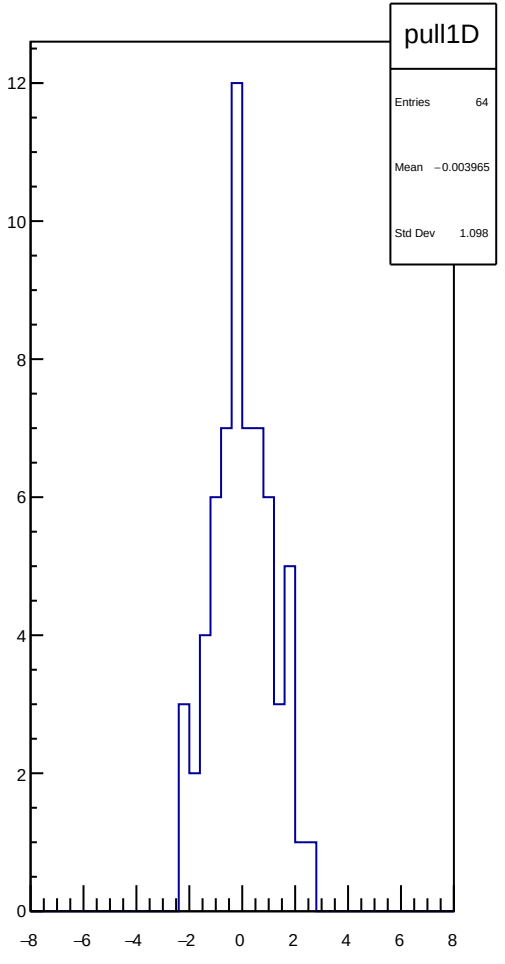

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 136.5 / 63
p0 2180 ± 1.969
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

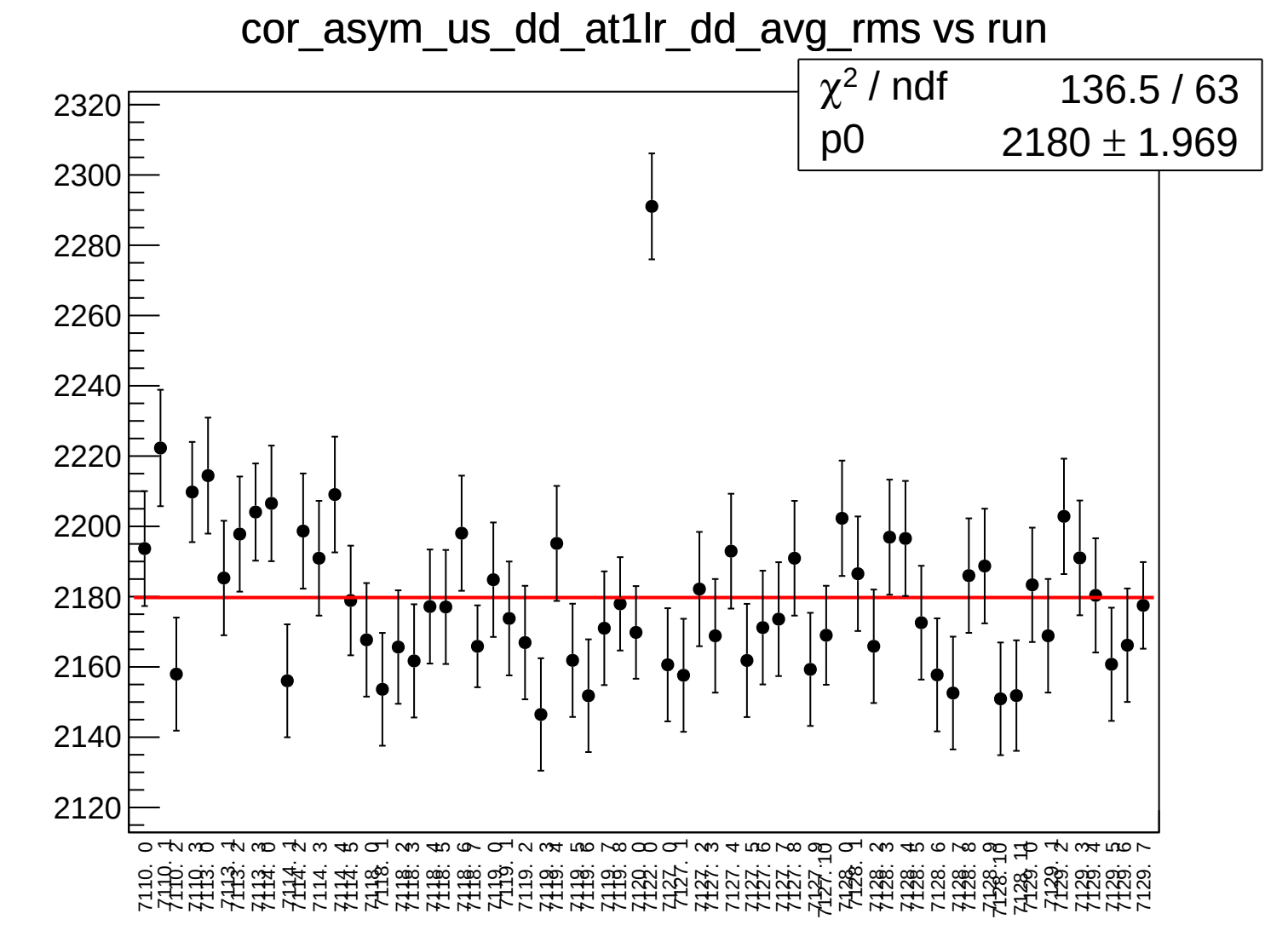

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 56.33 / 63
p0 −104.3 ± 151.3
pull
Entries 64
Mean 231.9
Std Dev 0

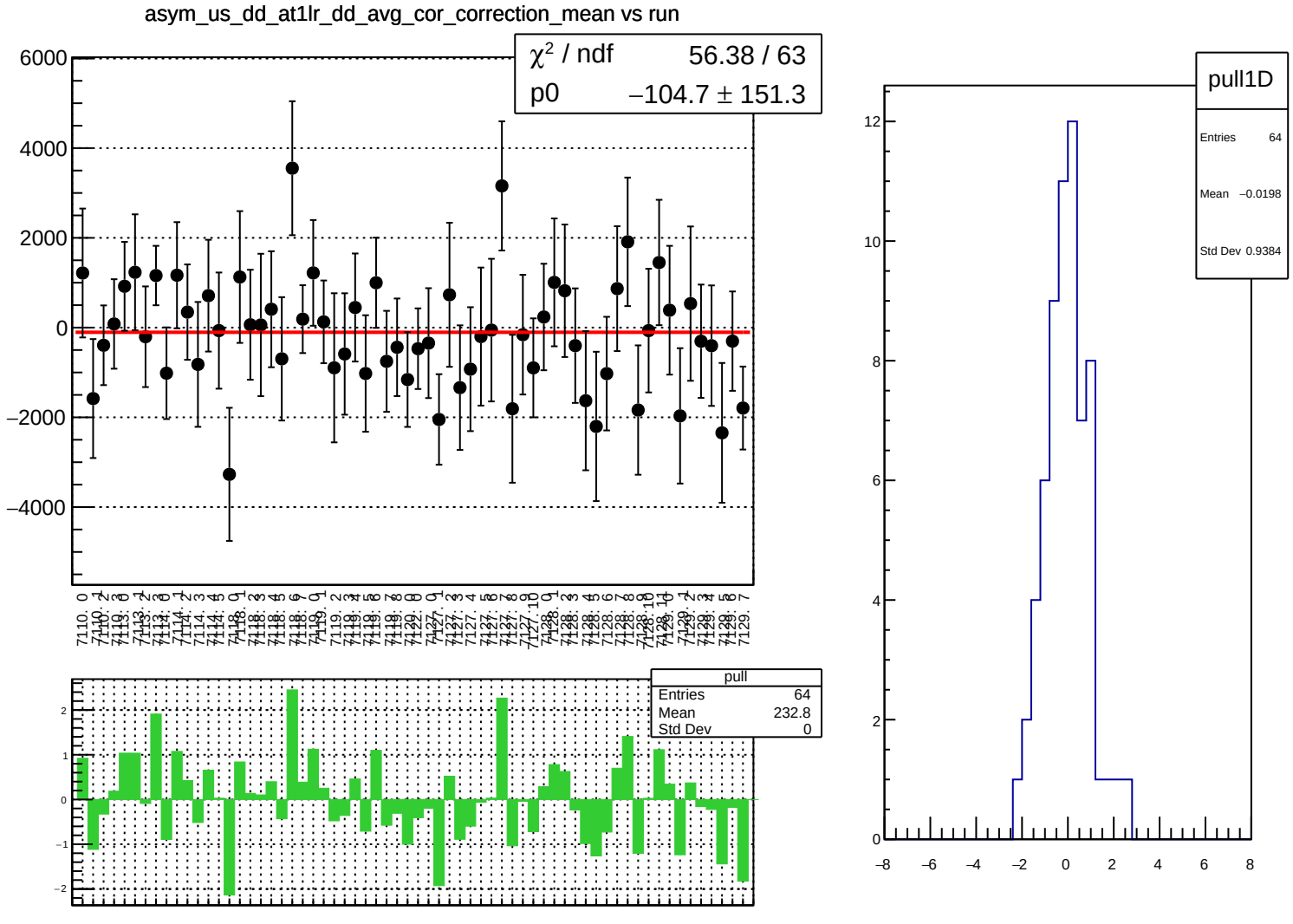

pull1D
Entries 64
Mean −0.0199
Std Dev 0.938

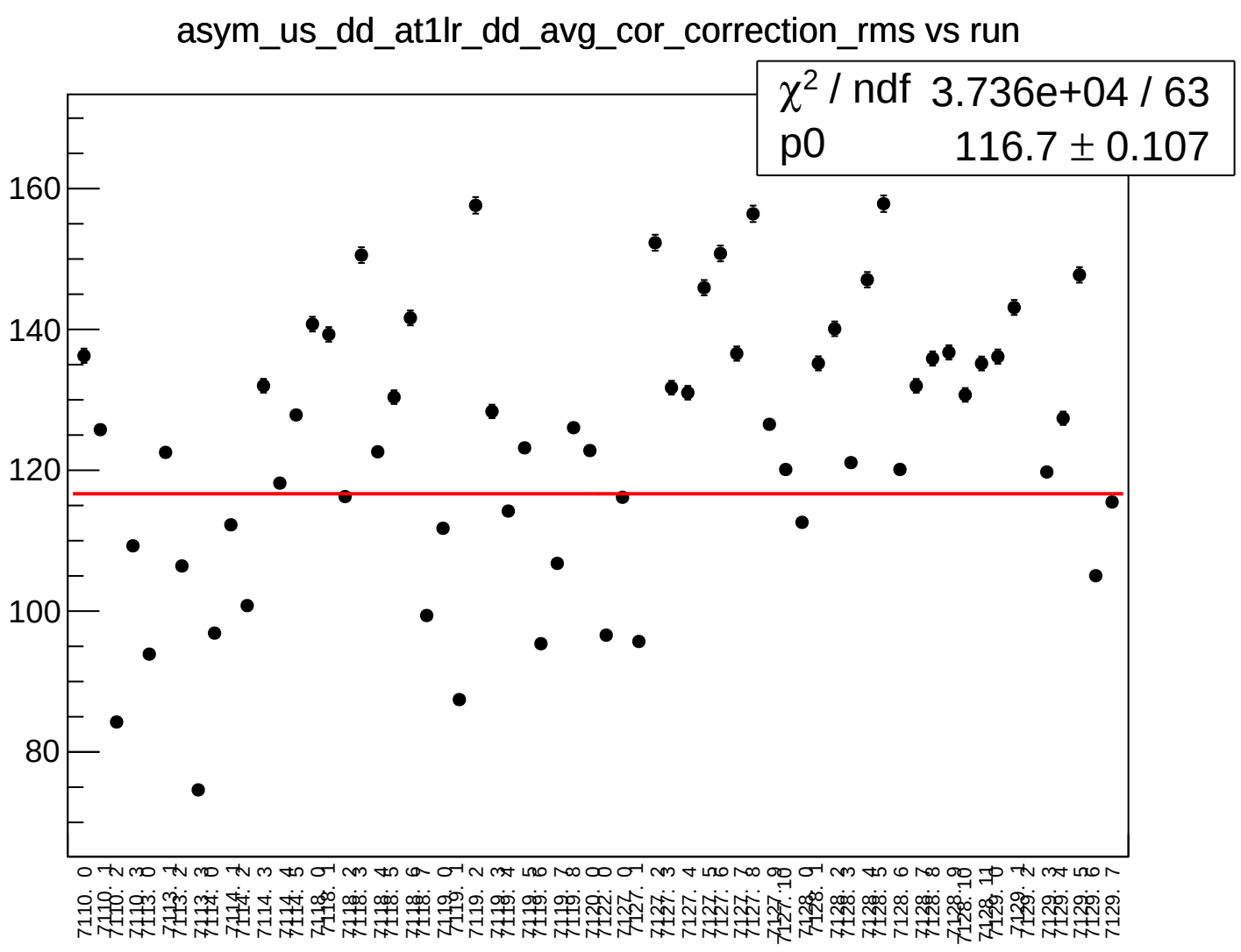

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.742e+04 / 63
p0 116.7 ± 0.107
160
140
120
100
80

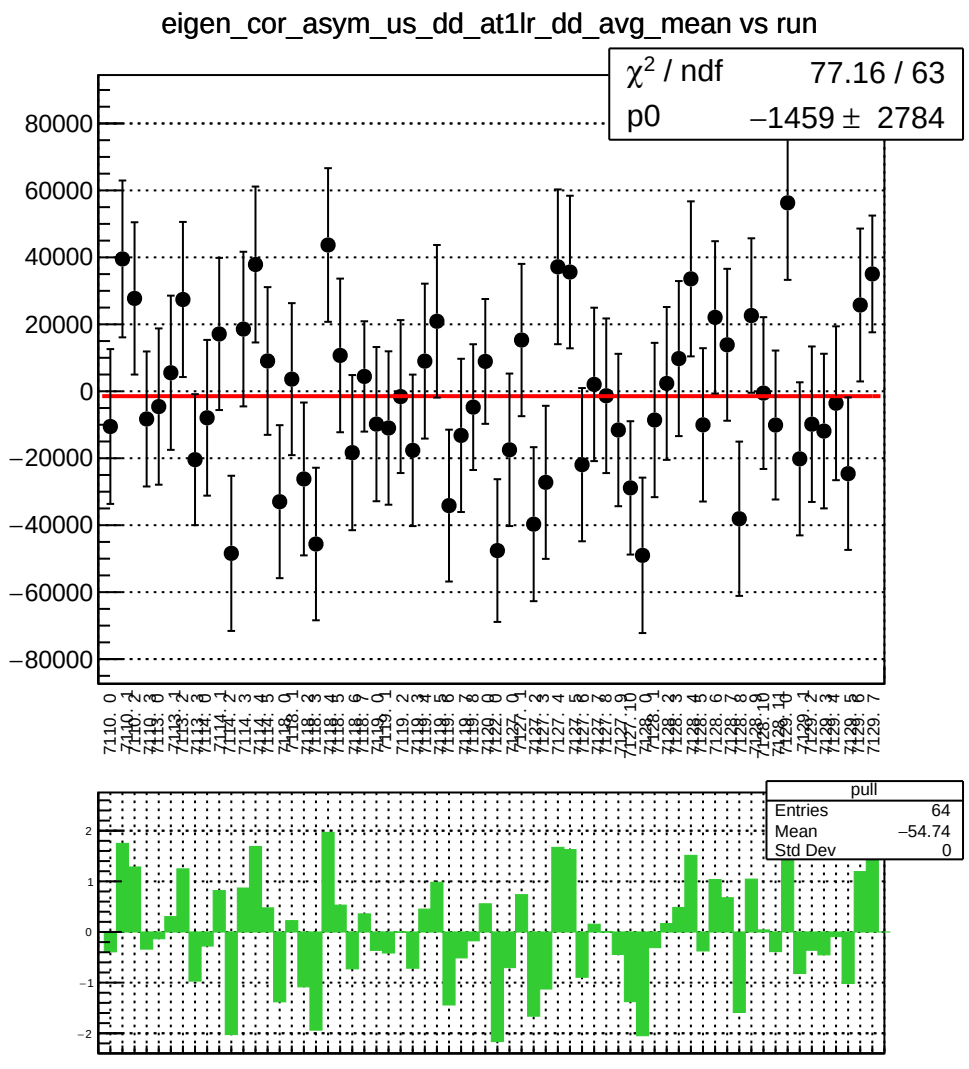

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 77.16 / 63
p0 −1459 ± 2784
pull
Entries 64
Mean −54.74
Std Dev 0

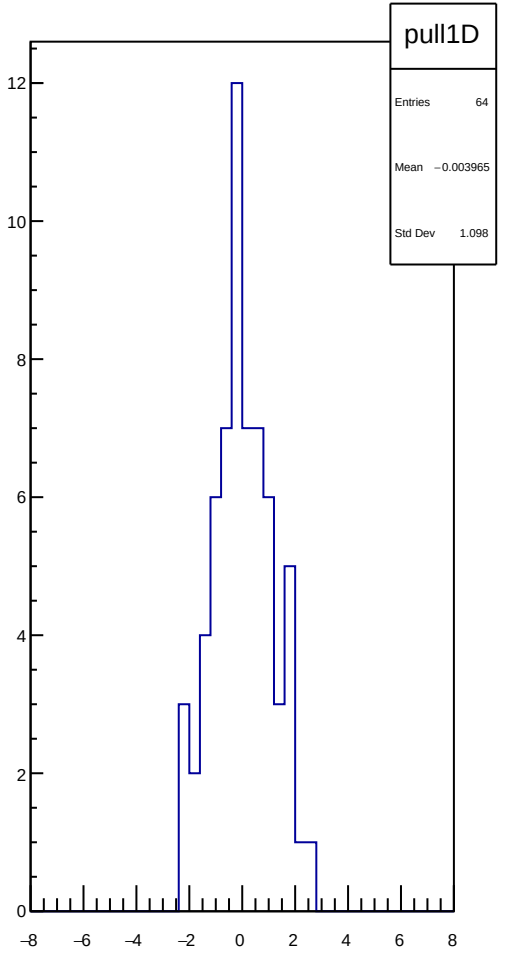

pull1D
Entries 64
Mean −0.003965
Std Dev 1.098

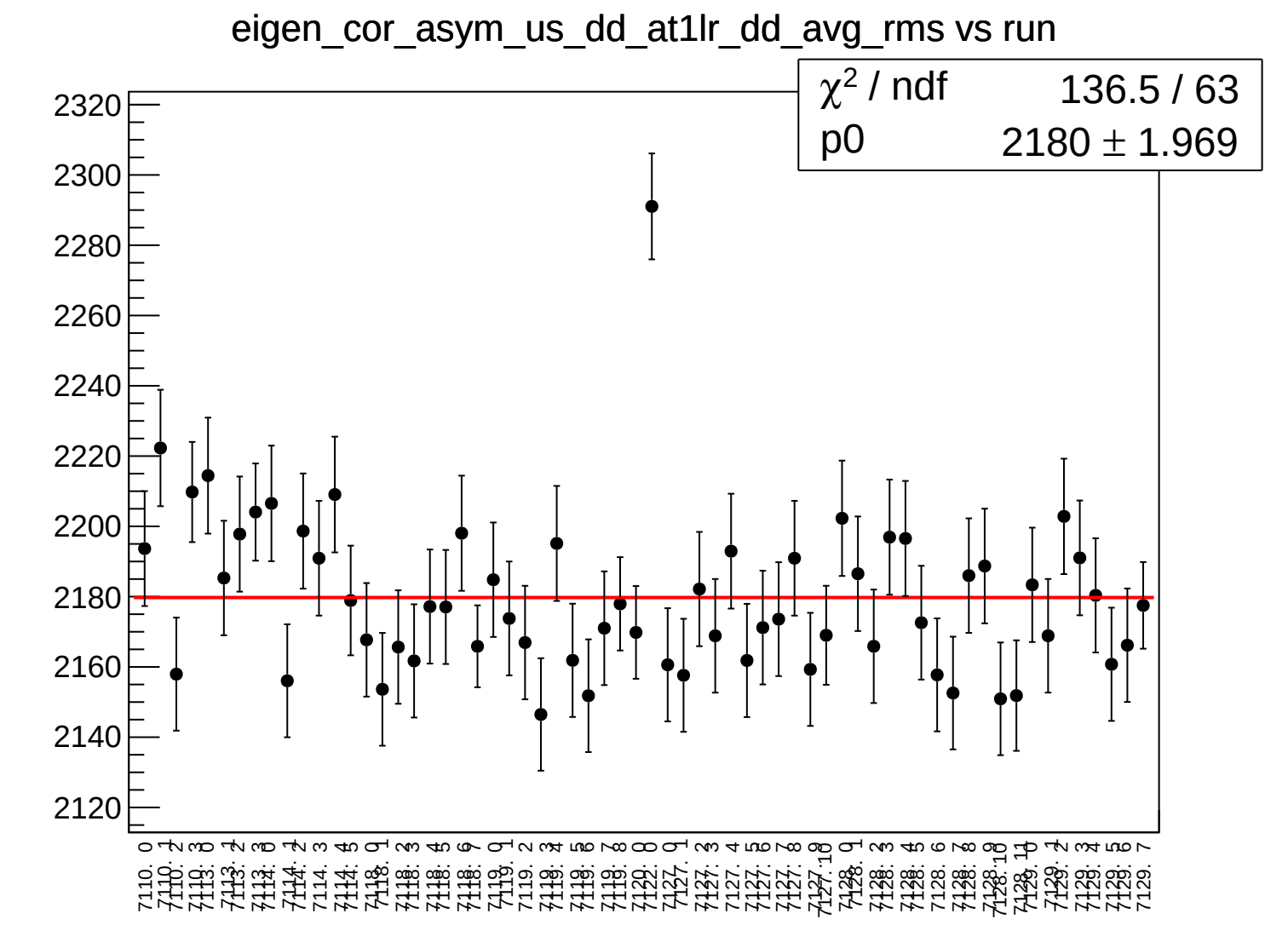

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 136.5 / 63
p0 2180 ± 1.969
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

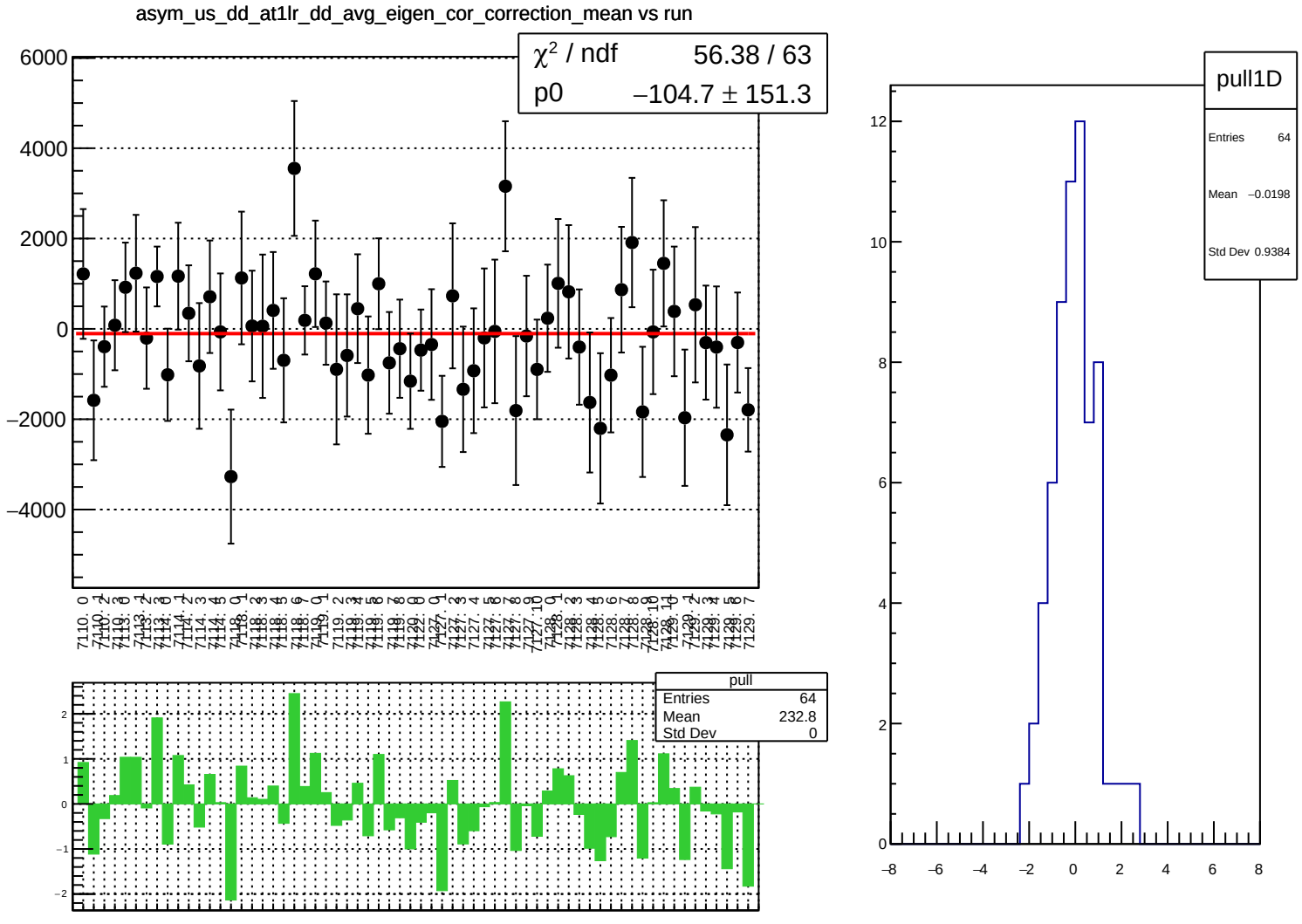

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 56.38 / 63
p0 −104.7 ± 151.3
pull
Entries 64
Mean 232.8
Std Dev 0
pull1D
Entries 64
Mean −0.0198
Std Dev 0.9384

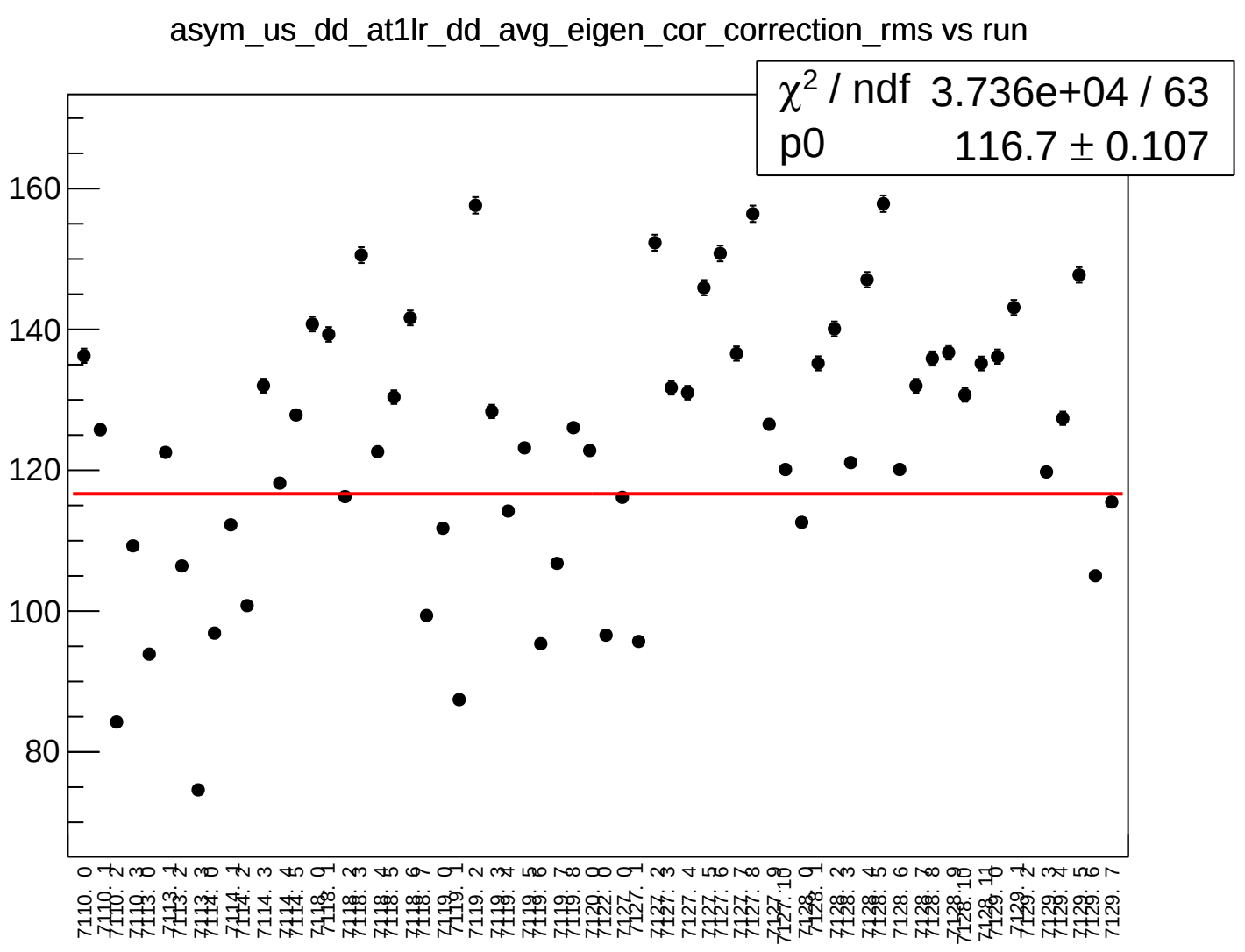

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.736e+04 / 63
p0 116.7 ± 0.107
160
140
120
100
80

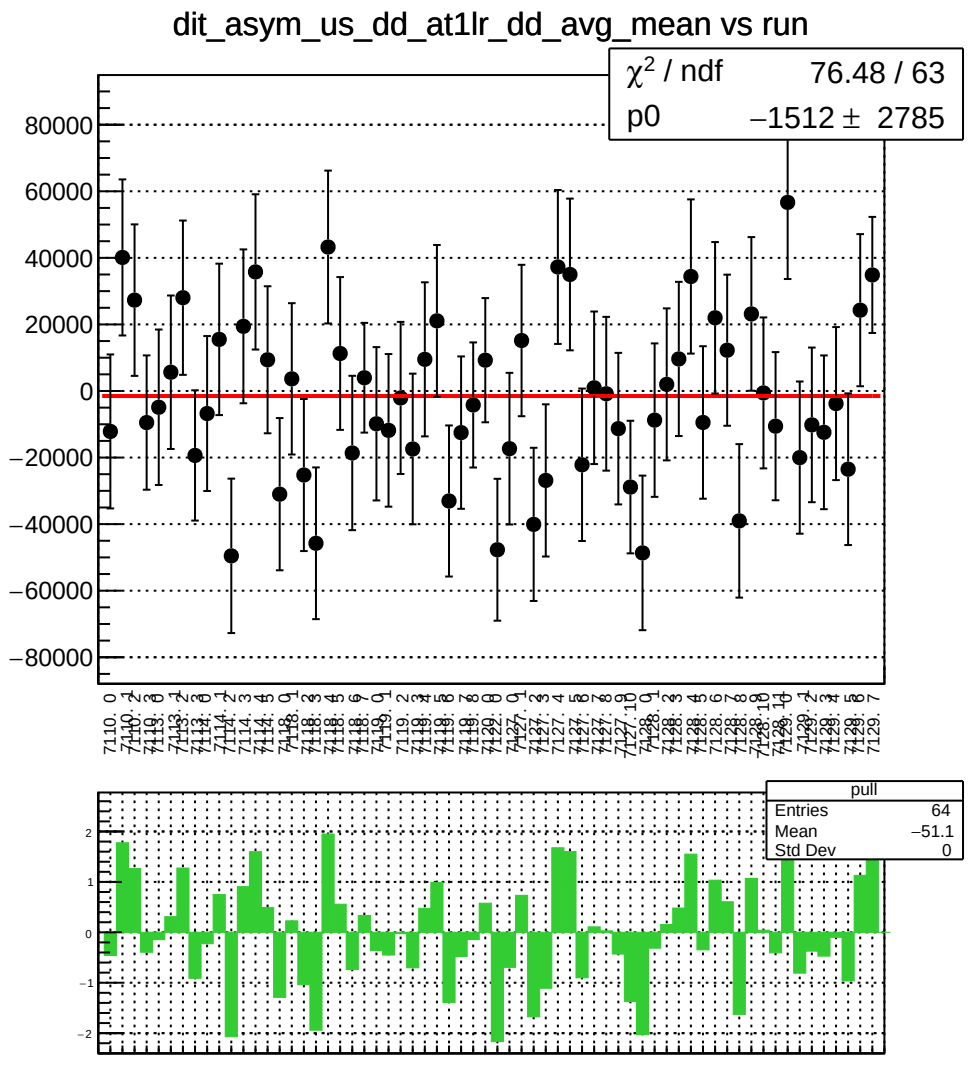

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 77.16 / 63
p0 −1459 ± 2784
pull
Entries 64
Mean −54.74
Std Dev 0

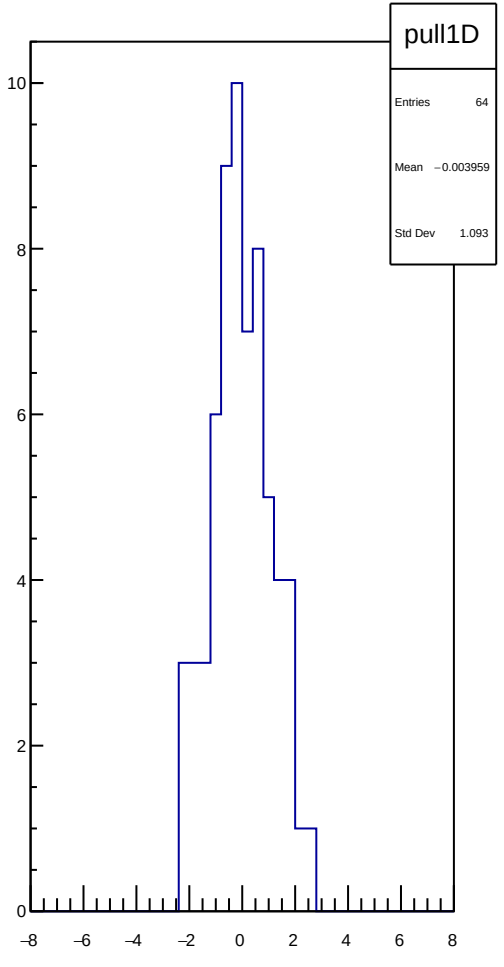

pull1D
Entries 64
Mean −0.003965
Std Dev 1.098

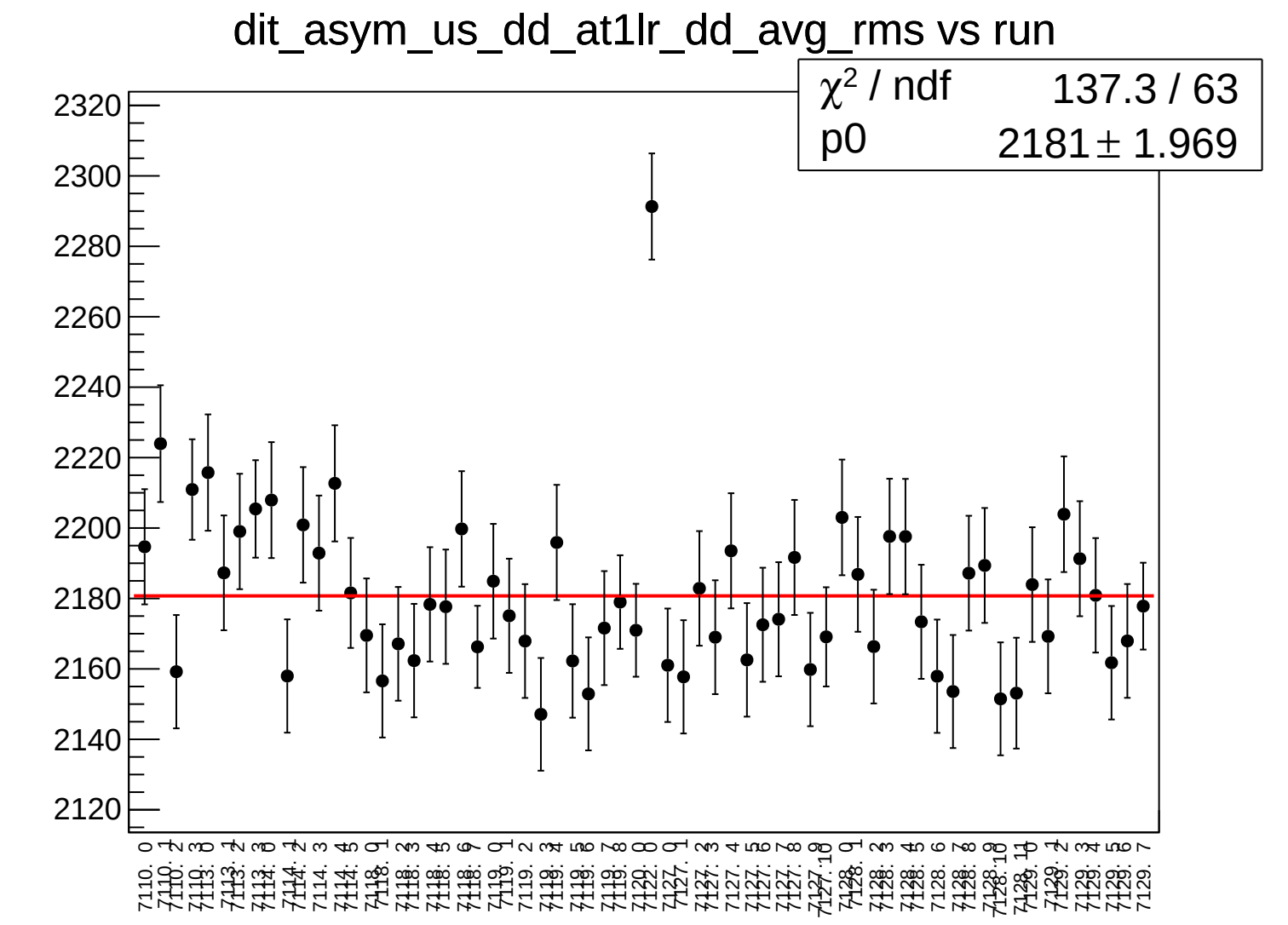

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 136.5 / 63
p0 2180 ± 1.969
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

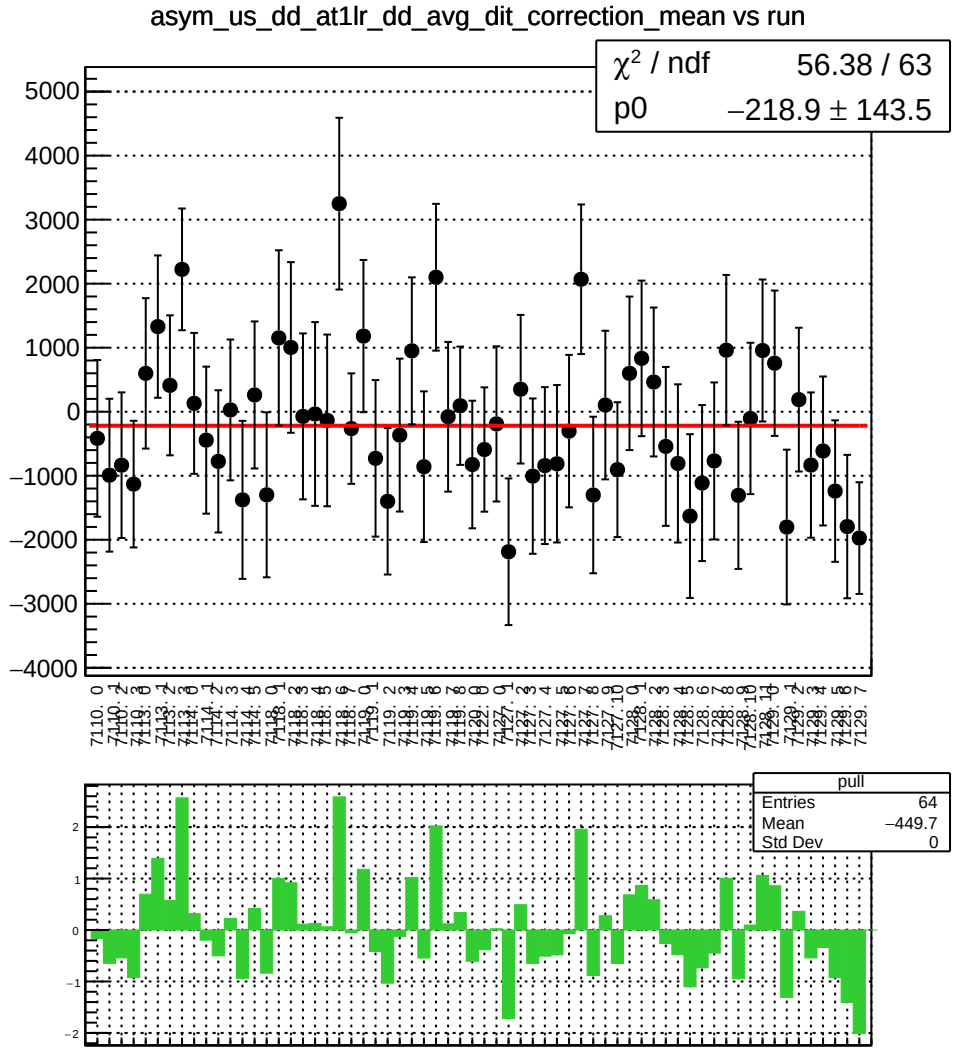

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.38 / 63
p0 −104.7 ± 151.3
pull
Entries 64
Mean 232.8
Std Dev 0
pull1D
Entries 64
Mean −0.0198
Std Dev 0.9384

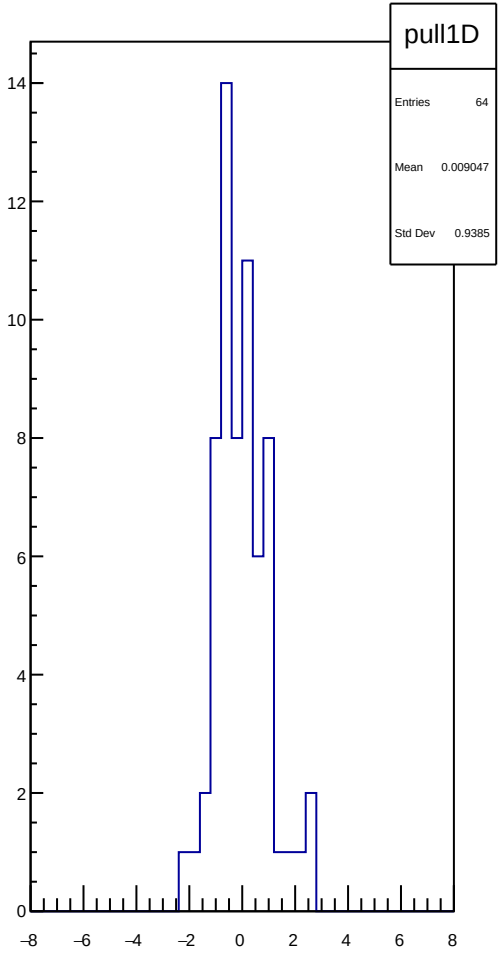

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.736e+04 / 63
p0 116.7 ± 0.107
160
140
120
100
80

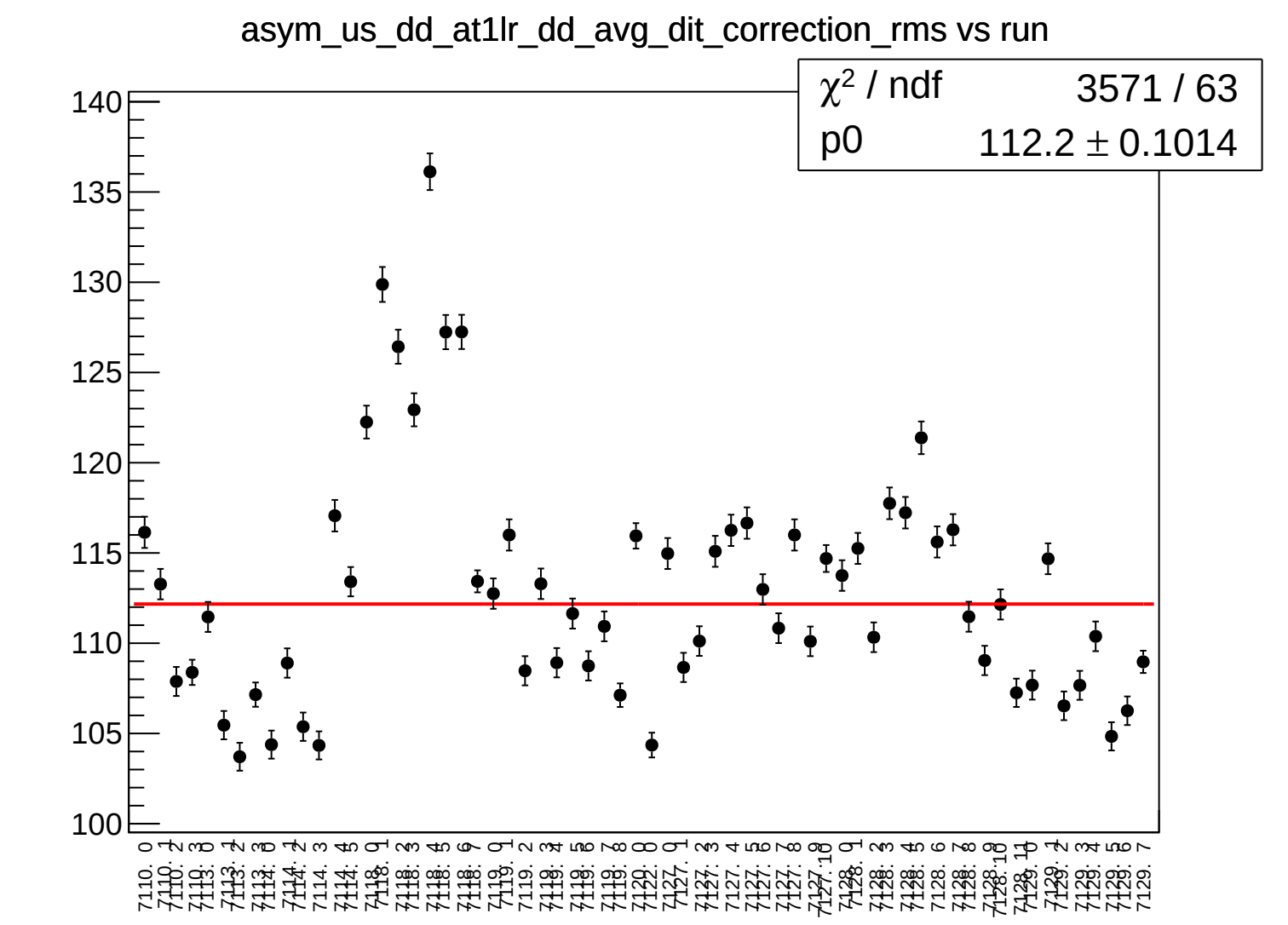

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 76.48 / 63
p0 −1512 ± 2785
pull
Entries 64
Mean −51.1
Std Dev 0

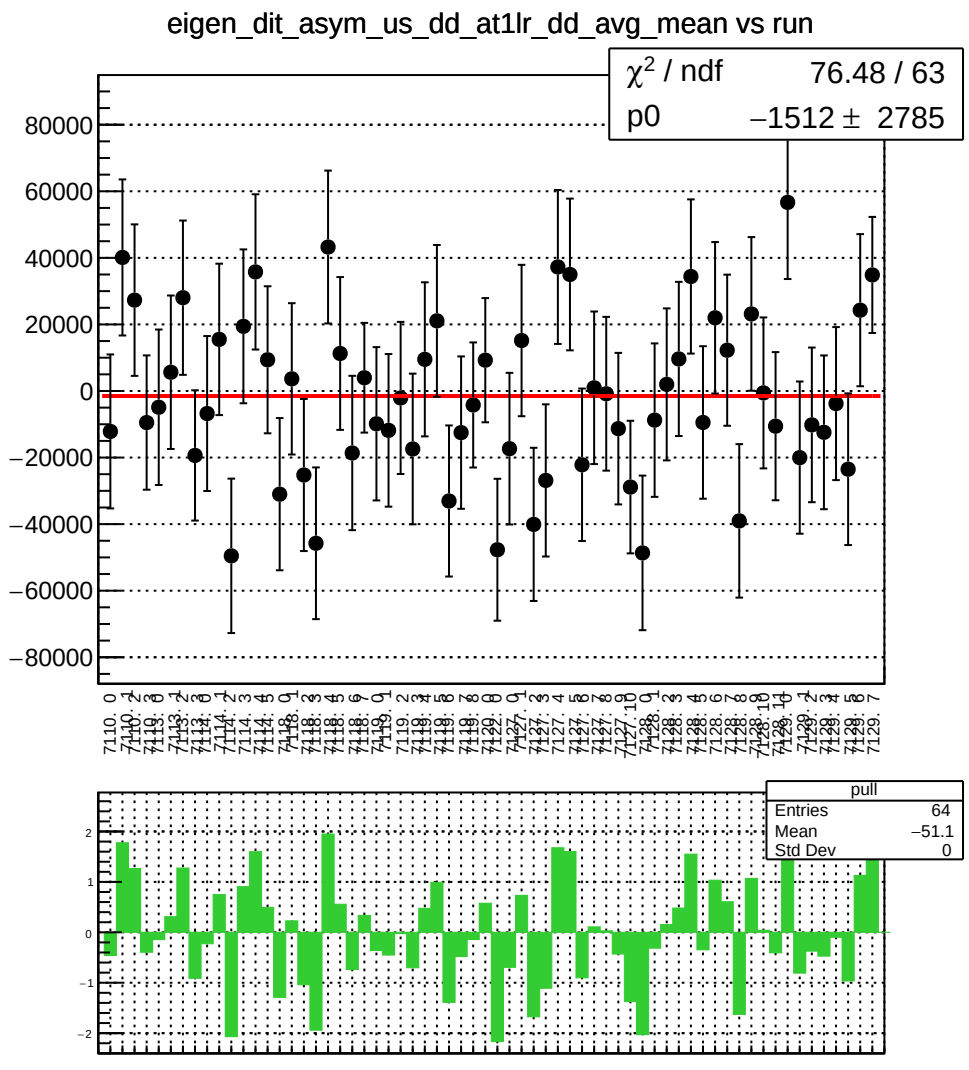

pull1D
Entries 64
Mean −0.003959
Std Dev 1.093

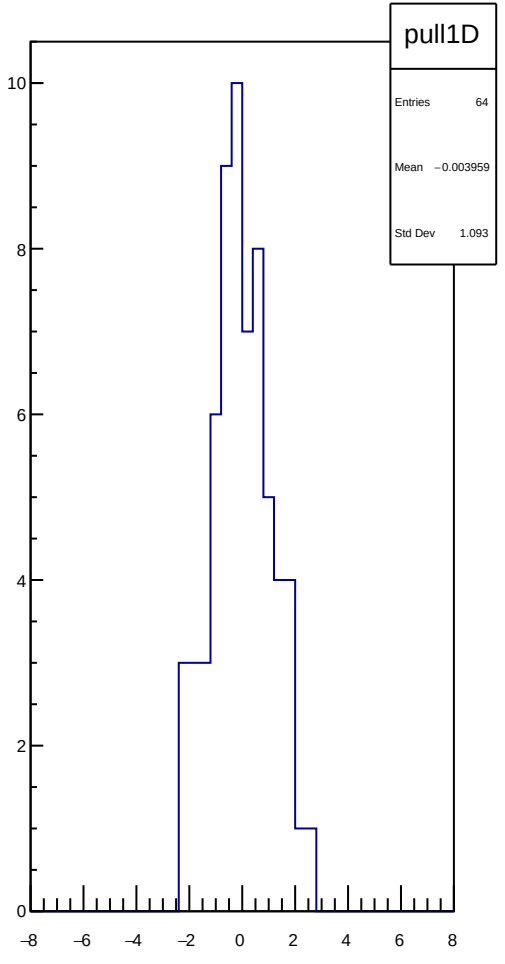

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 137.3 / 63
p0 2181 ± 1.969
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

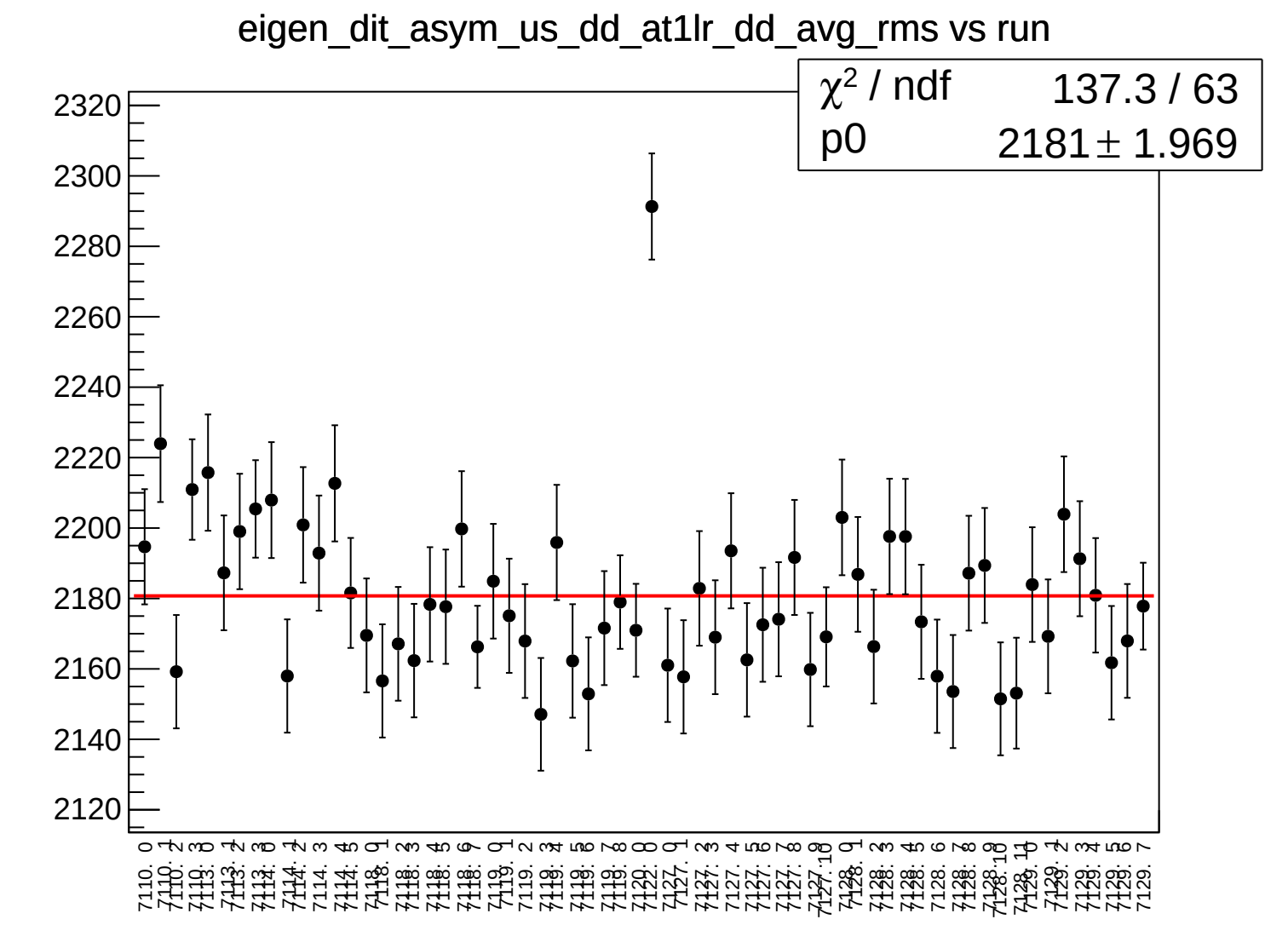

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 56.38 / 63
p0 −218.9 ± 143.5
pull
Entries 64
Mean −449.7
Std Dev 0

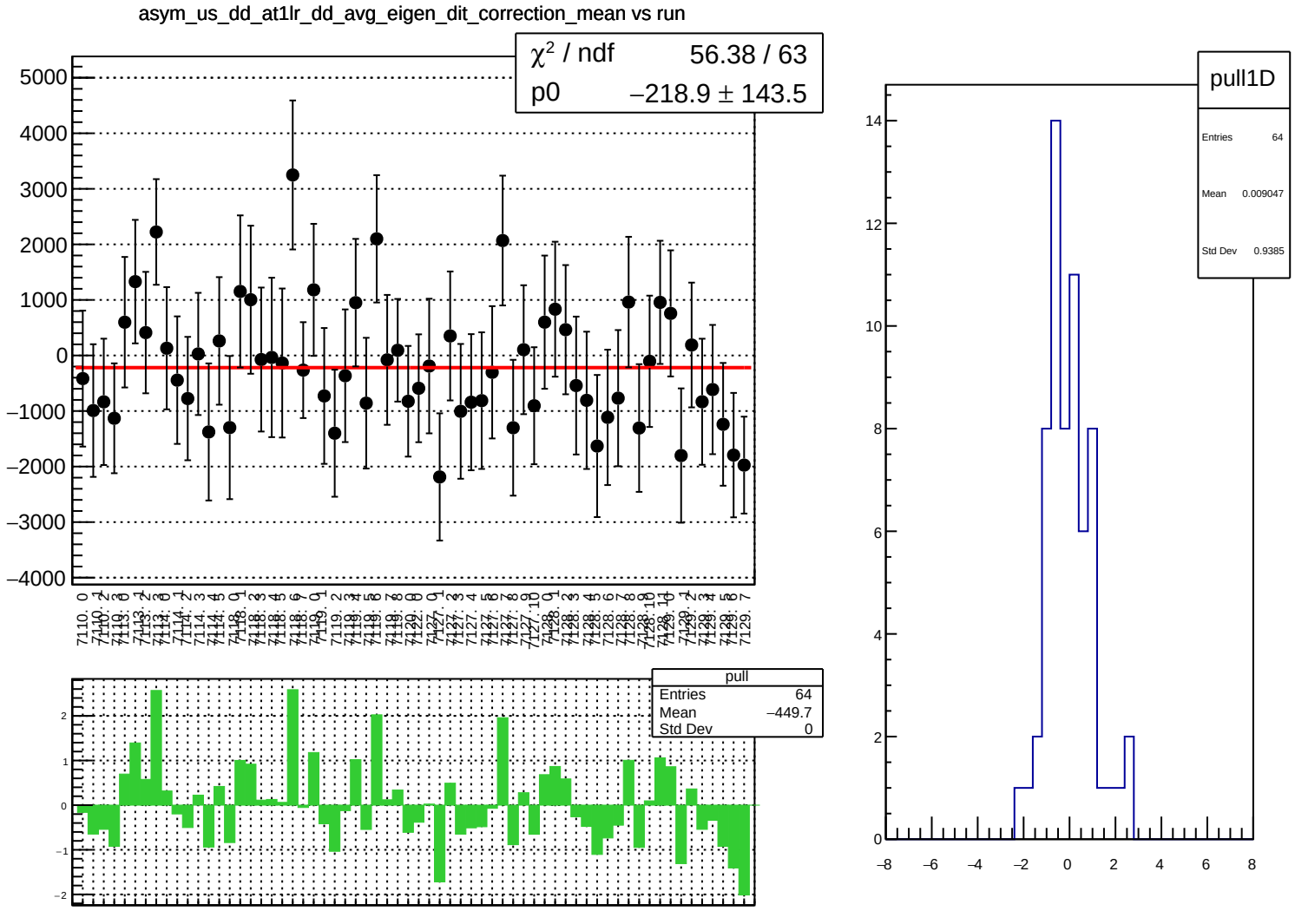

pull1D
Entries 64
Mean 0.009047
Std Dev 0.9385

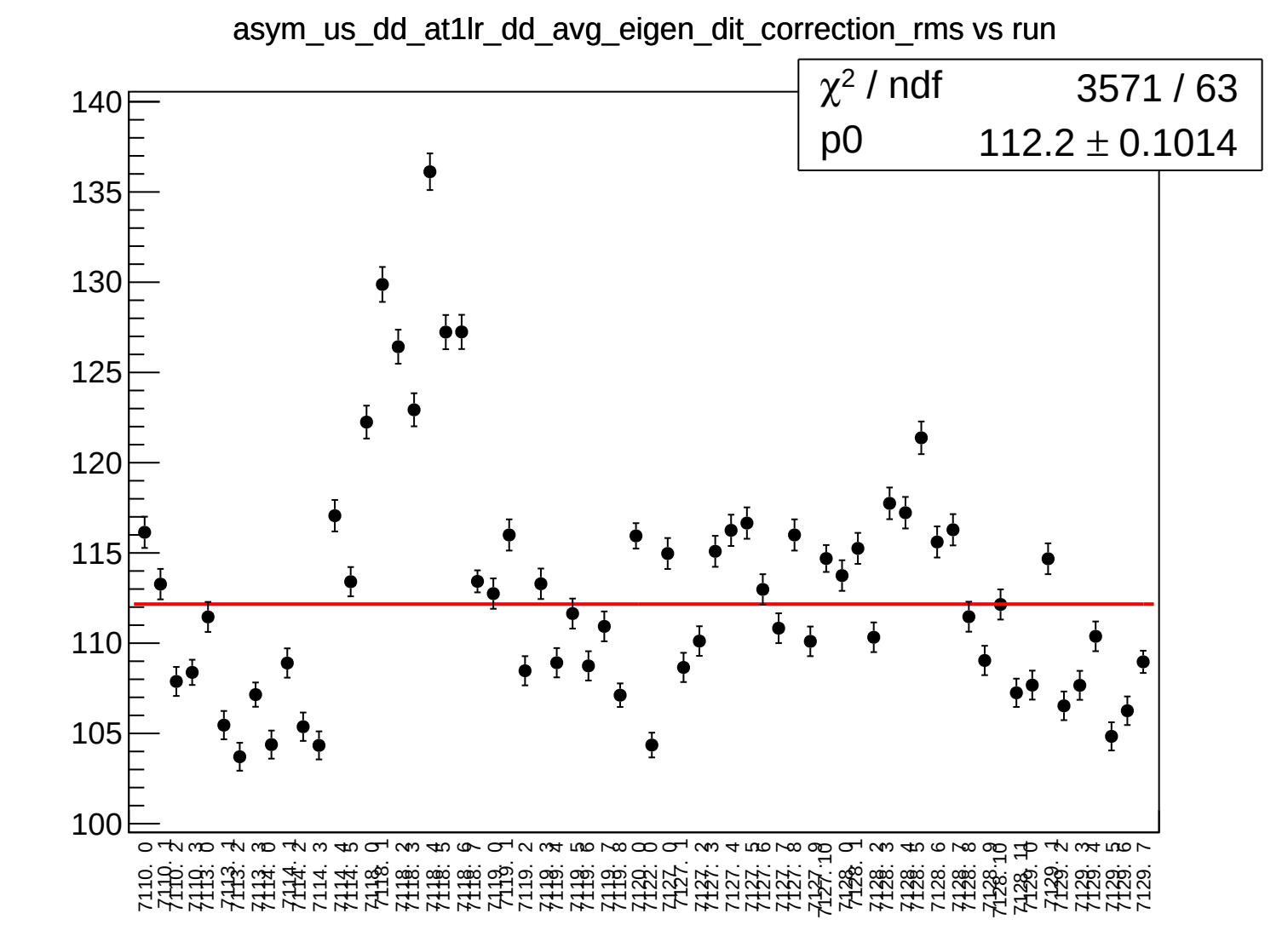

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3571 / 63
p0 112.2 ± 0.1014
140
135
130
125
120
115
110
105
100

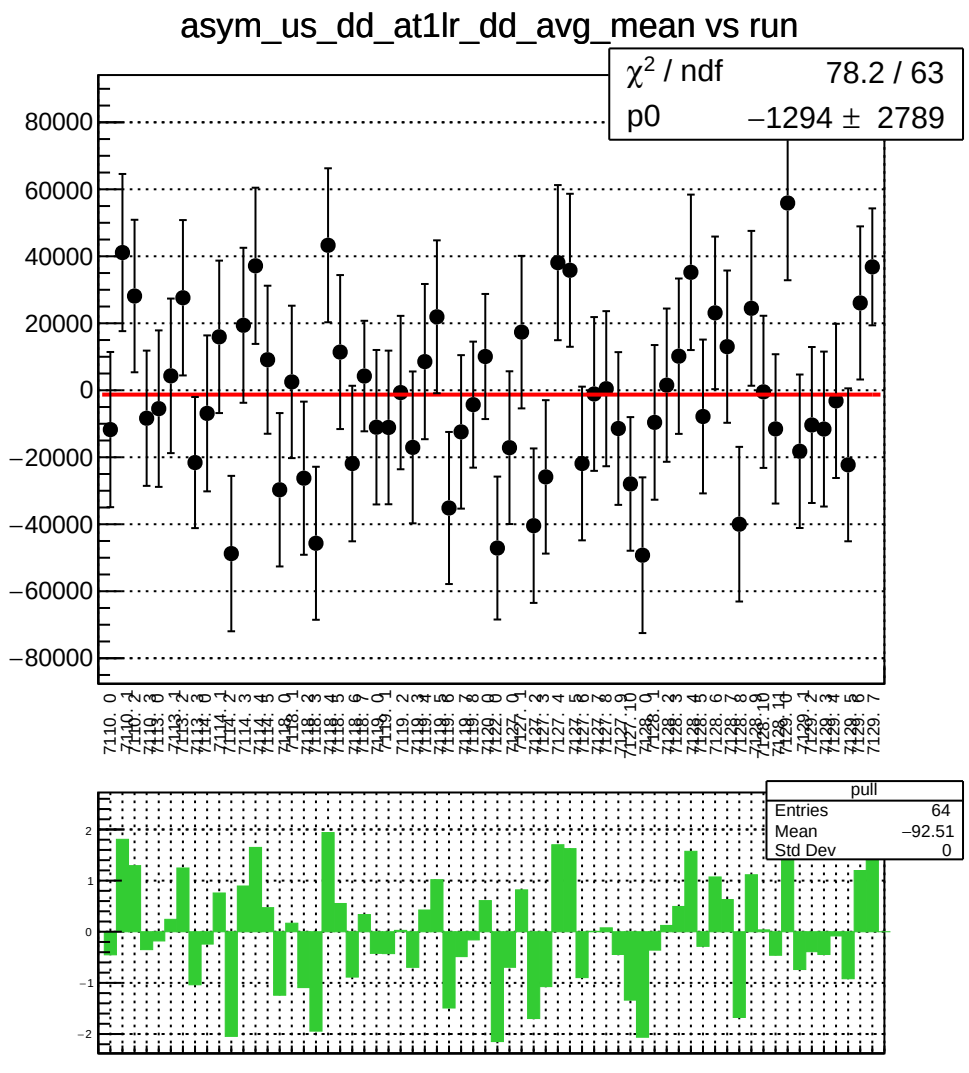

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 76.48 / 63
p0 −1512 ± 2785
pull
Entries 64
Mean −51.1
Std Dev 0

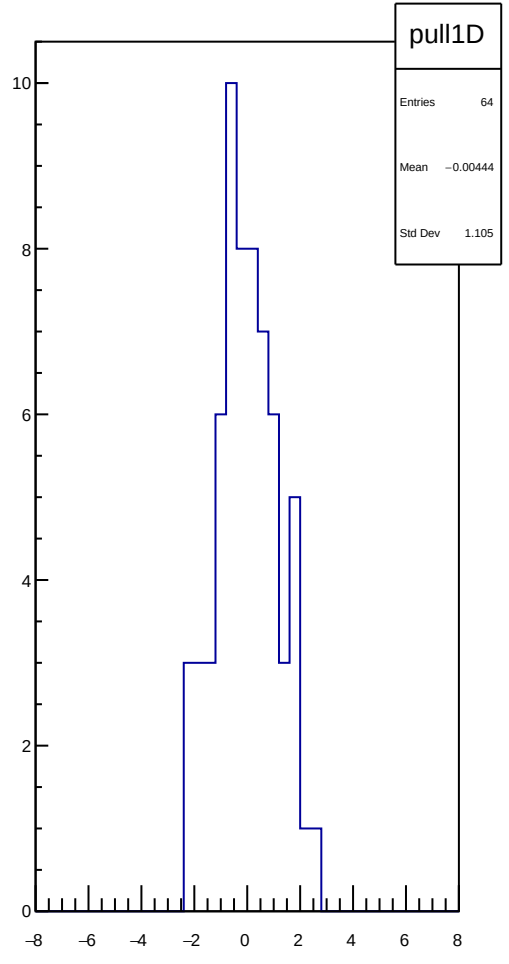

pull1D
Entries 64
Mean −0.003959
Std Dev 1.093

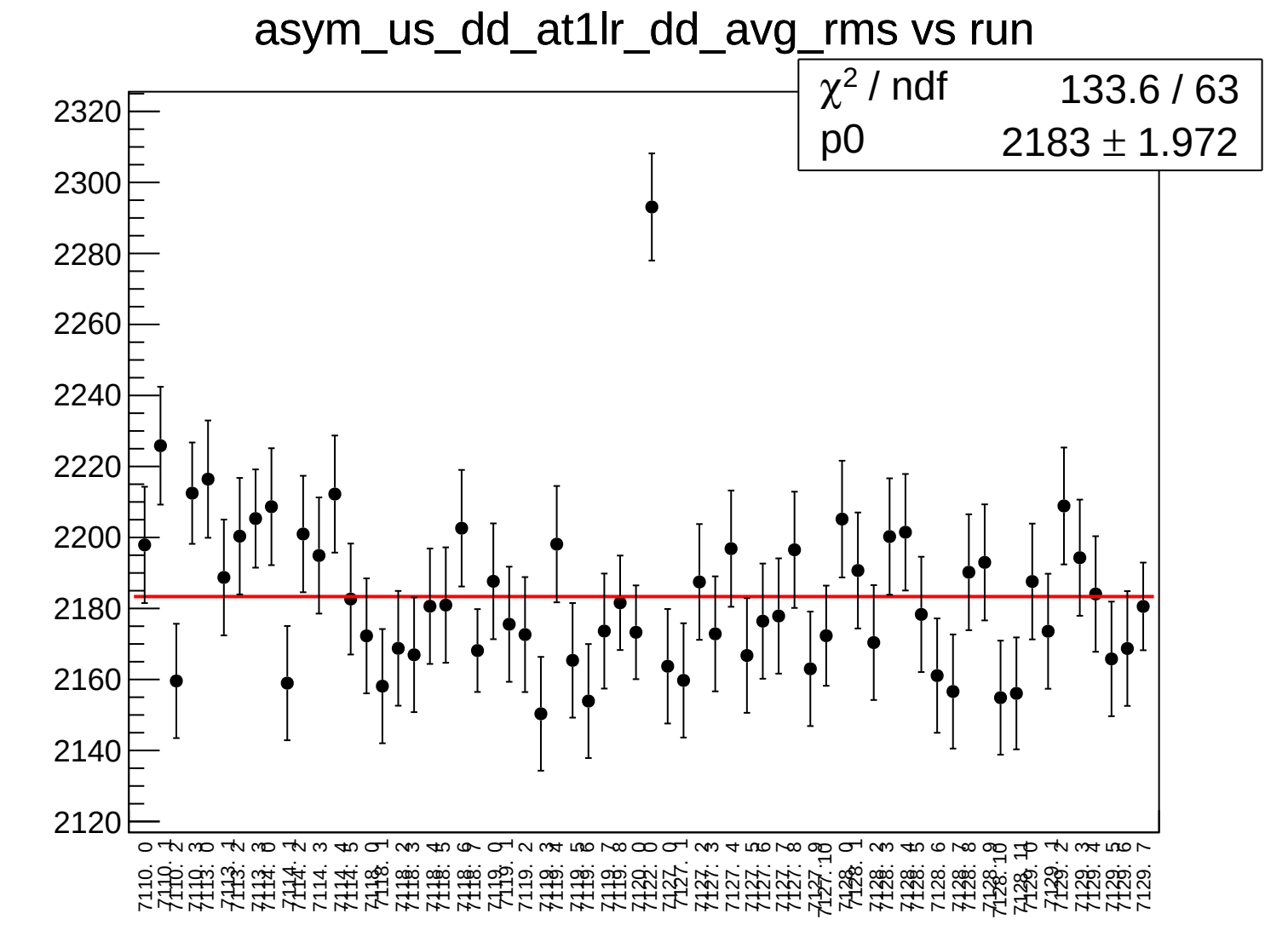

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 137.3 / 63
p0 2181 ± 1.969
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

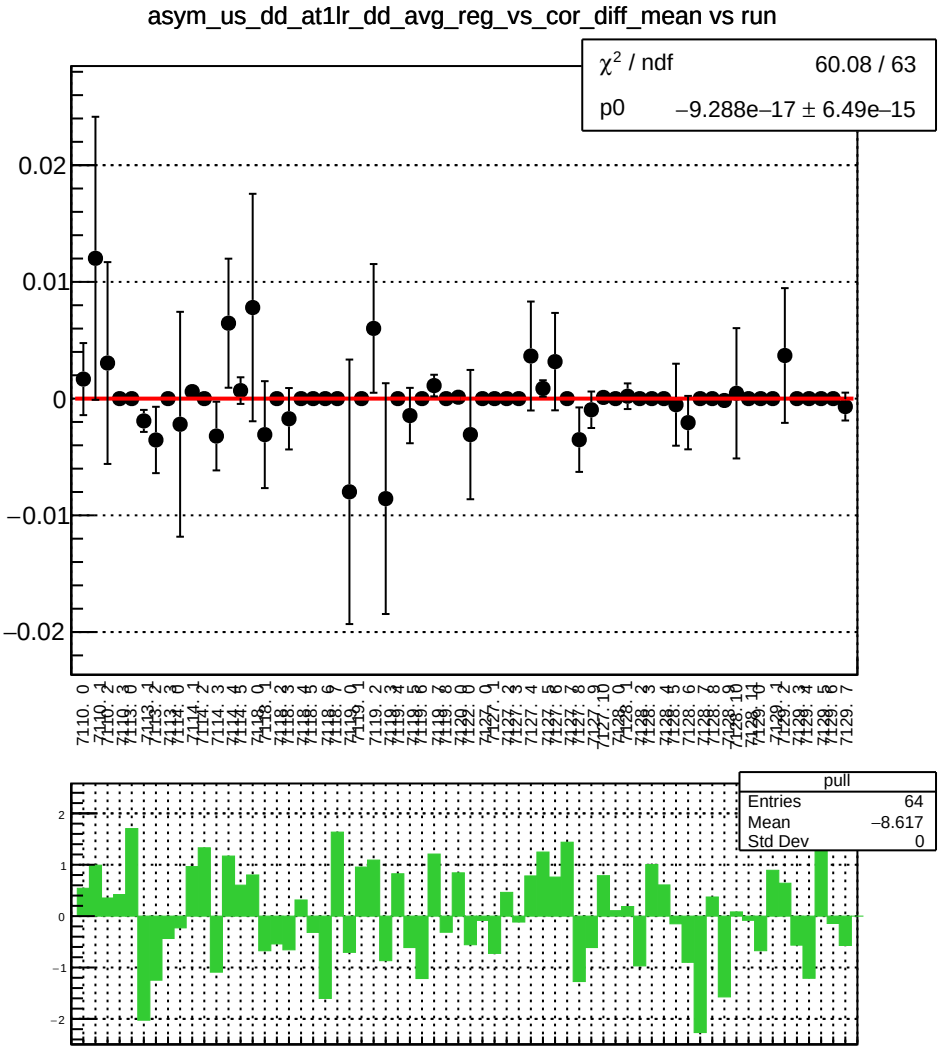

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.38 / 63
p0 −218.9 ± 143.5
pull
Entries 64
Mean −449.7
Std Dev 0
pull1D
Entries 64
Mean 0.009047
Std Dev 0.9385

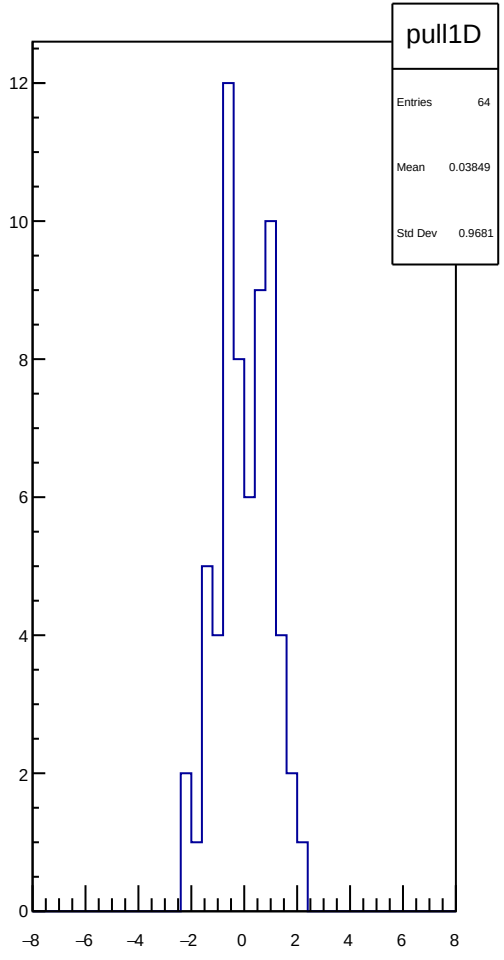

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3571 / 63
p0 112.2 ± 0.1014
140
135
130
125
120
115
110
105
100

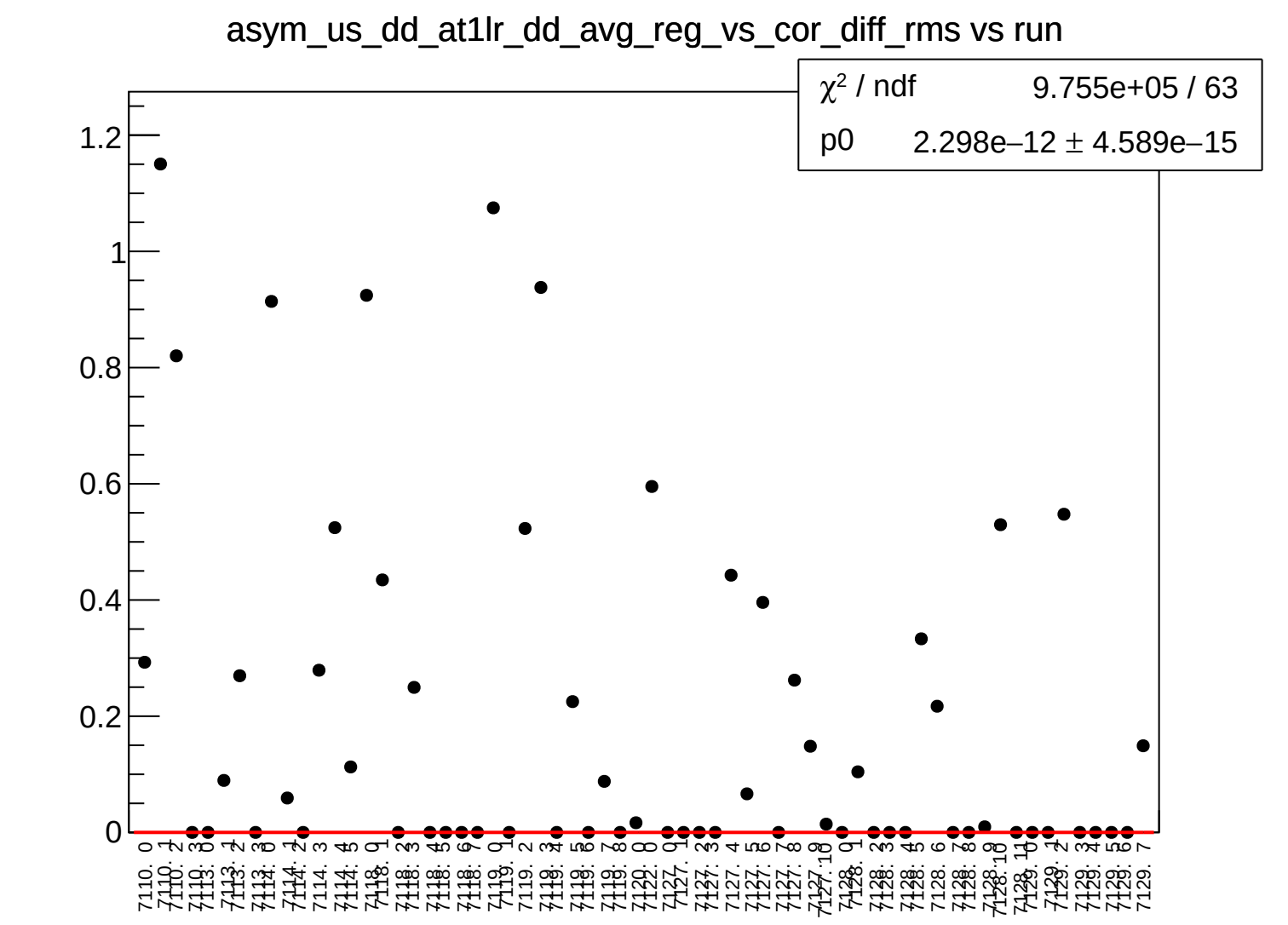

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 78.2 / 63
p0 −1294 ± 2789
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 64
Mean −92.51
Std Dev 0
2
1
0
−1
−2

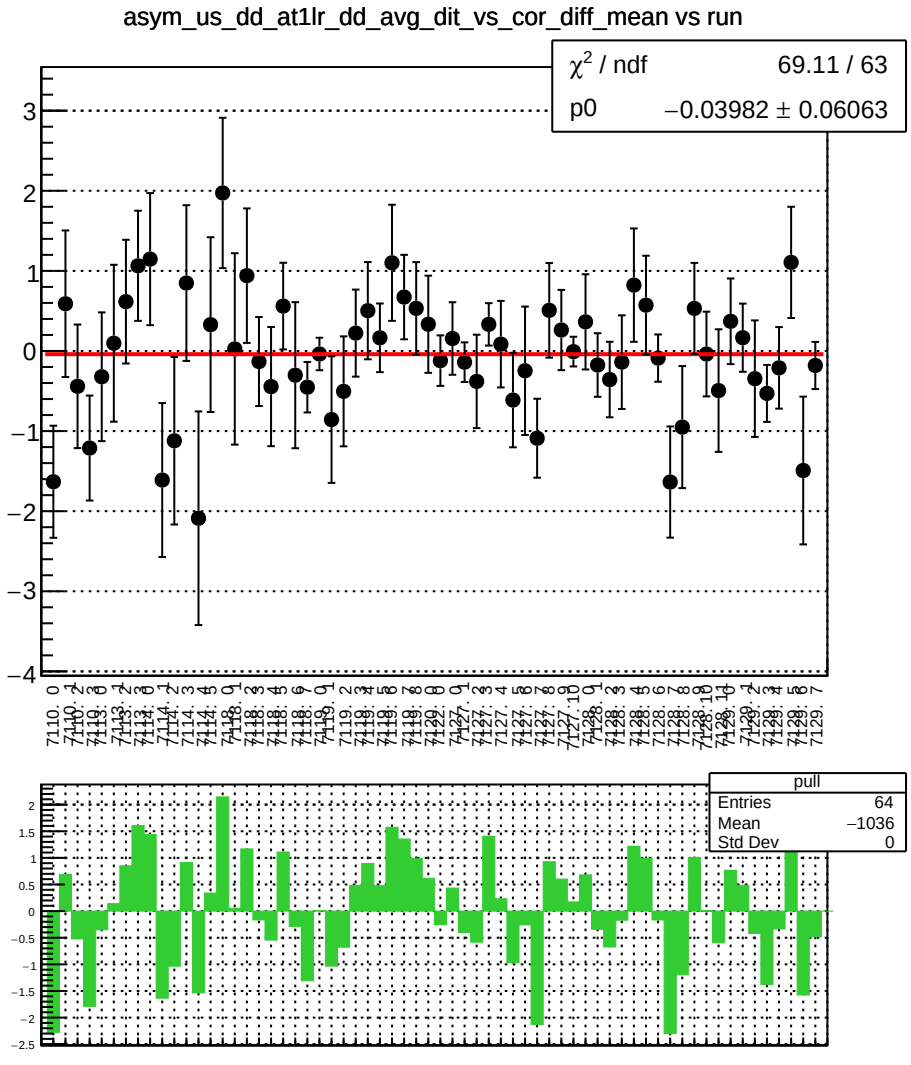

pull1D
Entries 64
Mean −0.00444
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

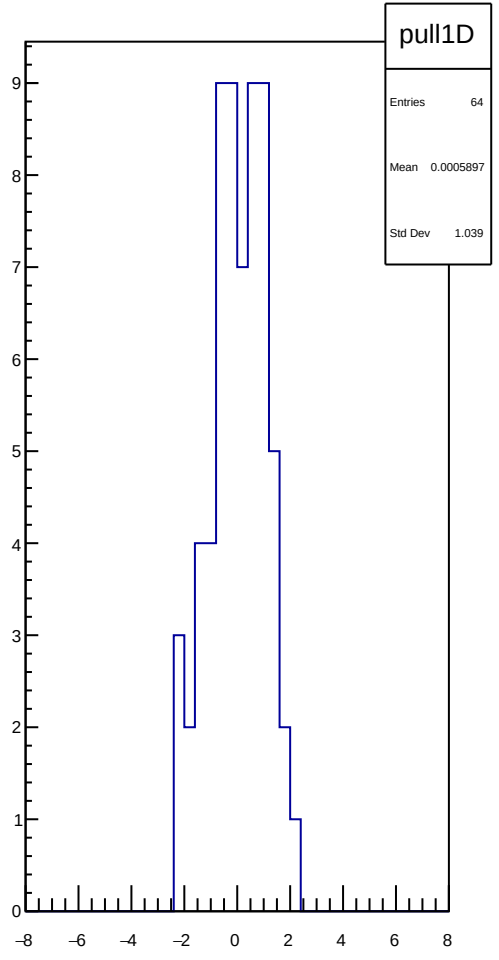

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 133.6 / 63
p0 2183 ± 1.972
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

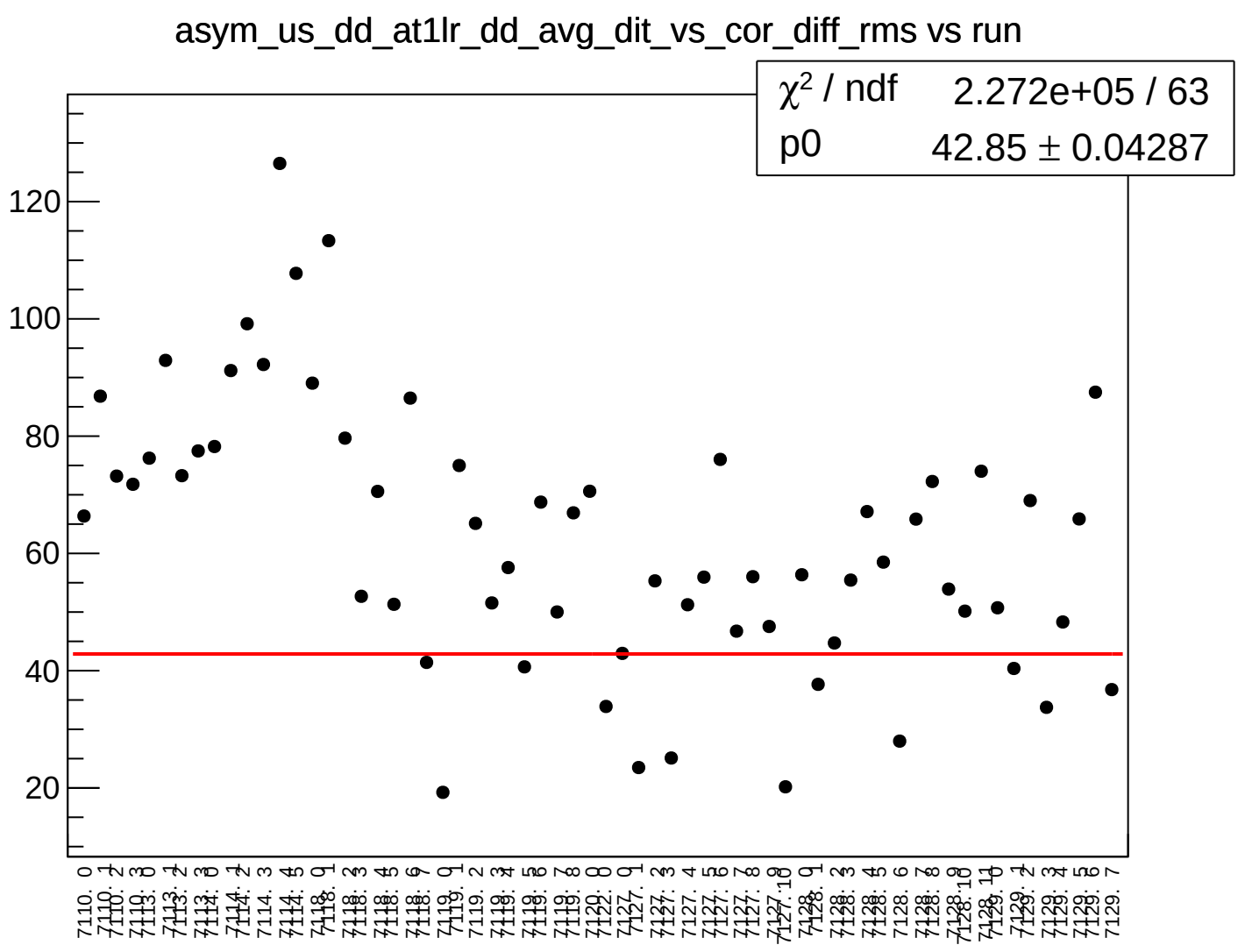

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.08 / 63
p0 −9.288e−17 ± 6.49e−15
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean −8.617
Std Dev 0
2
1
0
−1
−2

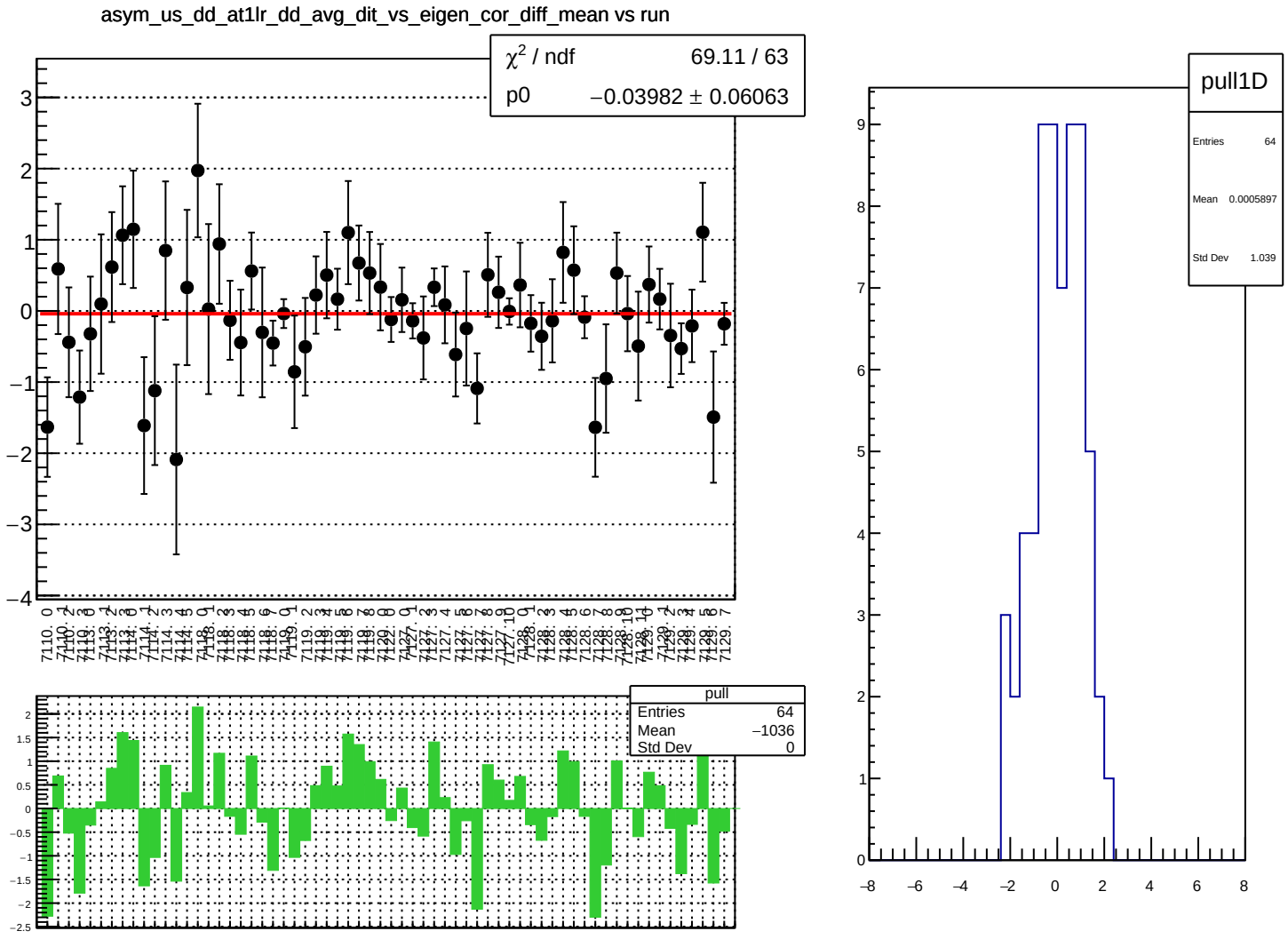

pull1D
Entries 64
Mean 0.03849
Std Dev 0.9681
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

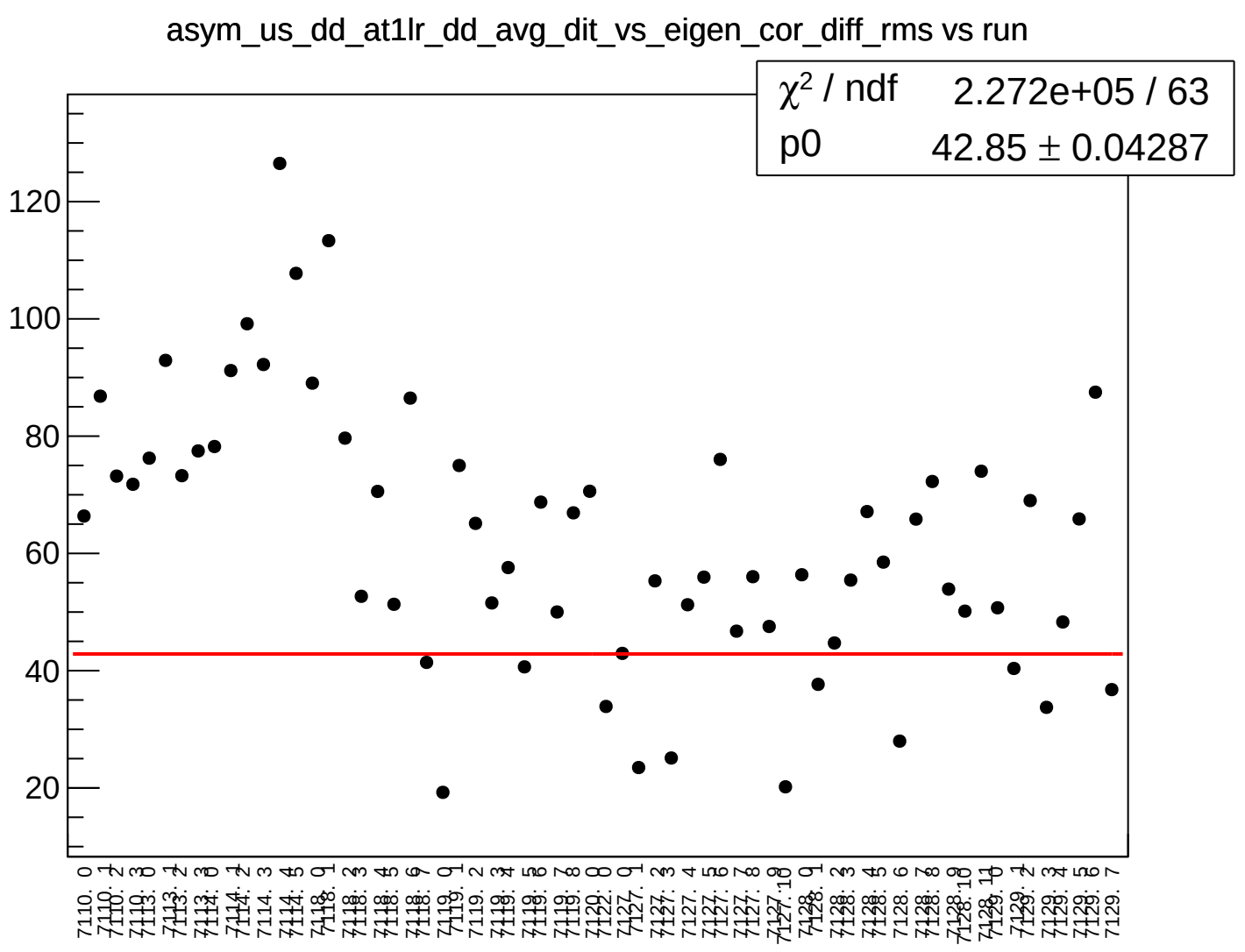

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.755e+05 / 63
p0 2.298e−12 ± 4.589e−15
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

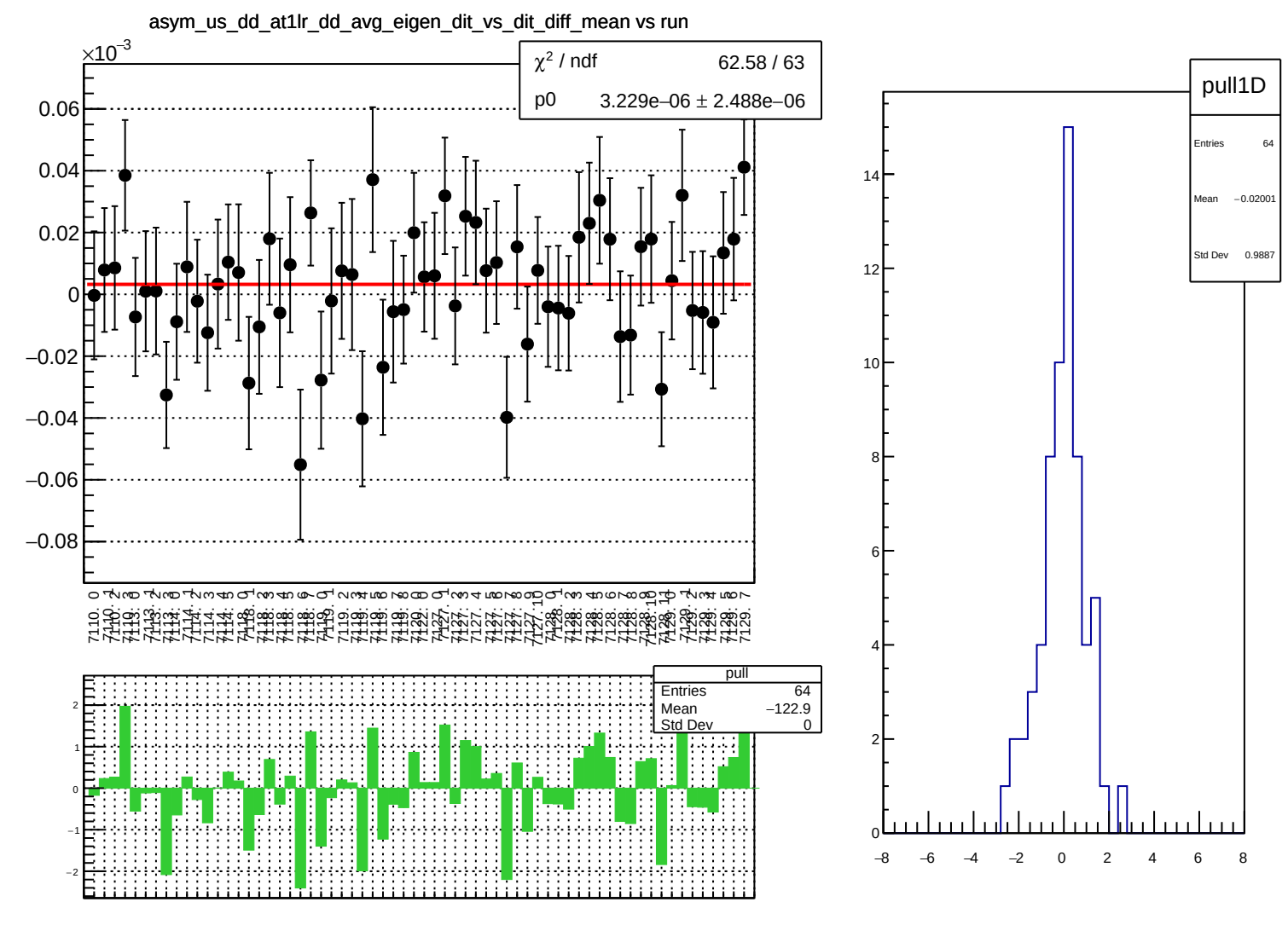

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.11 / 63
p0 −0.03982 ± 0.06063
pull
Entries 64
Mean −1036
Std Dev 0

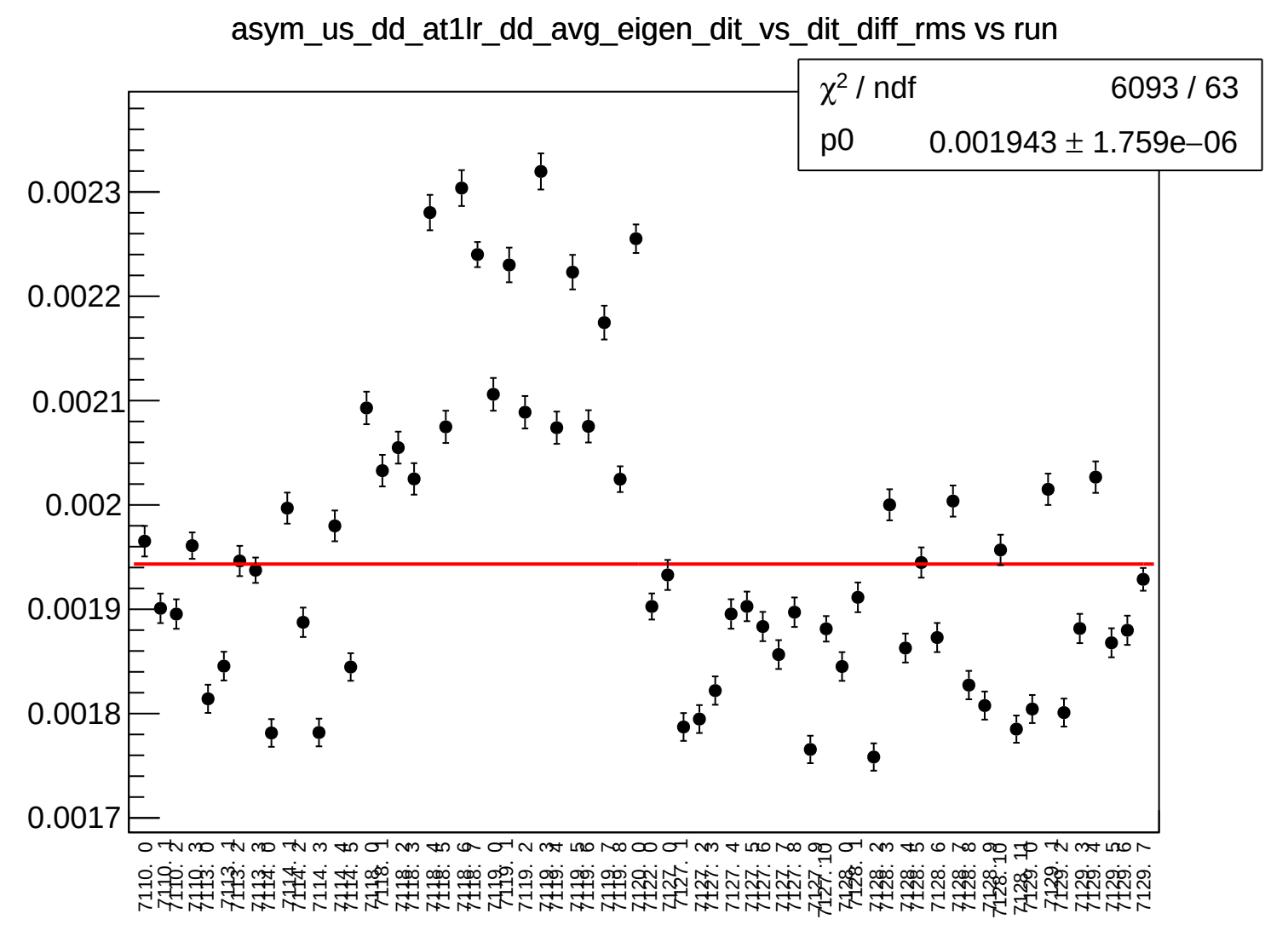

pull1D
Entries 64
Mean 0.0005897
Std Dev 1.039

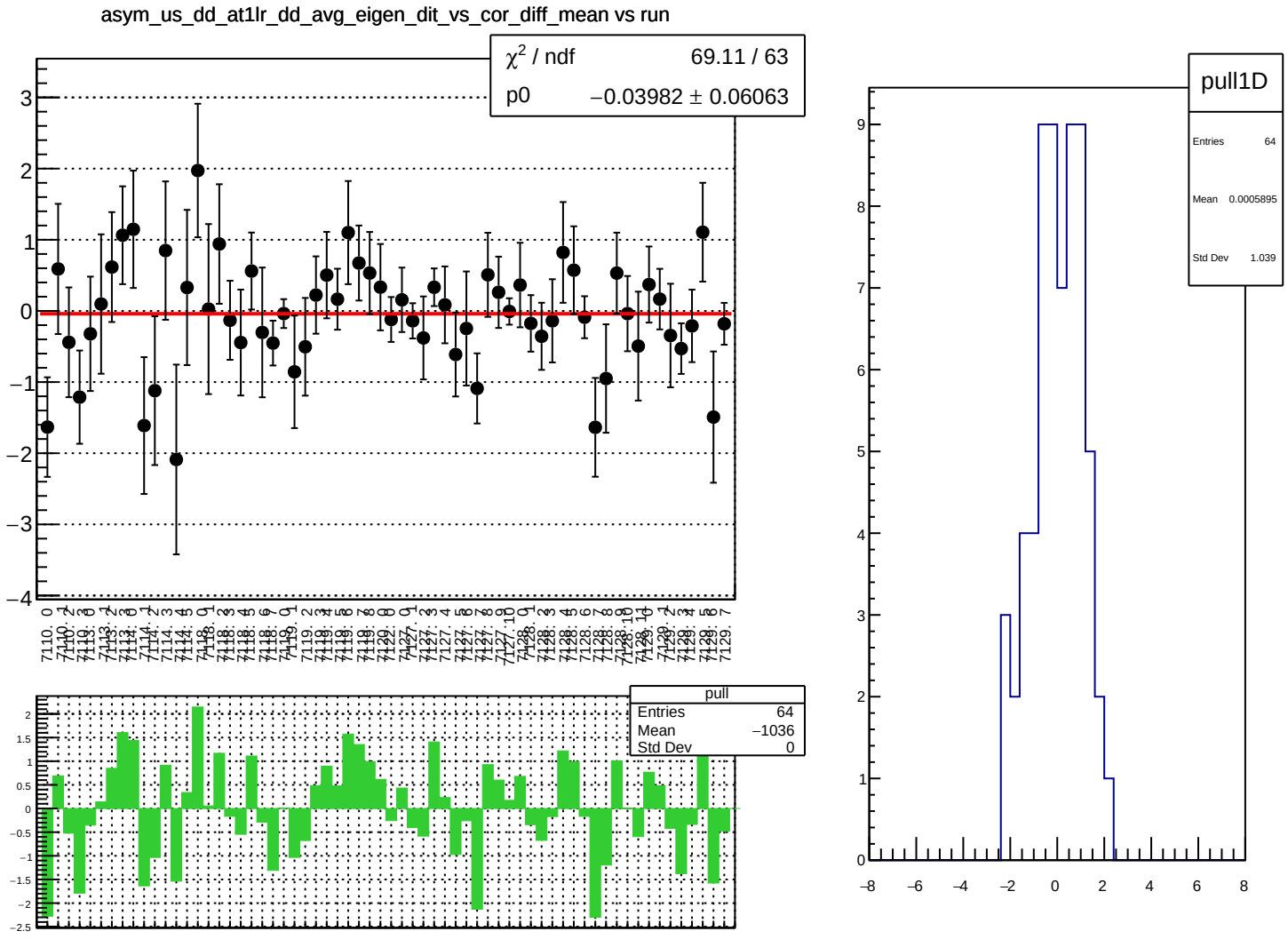

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.272e+05 / 63
p0 42.85 ± 0.04287
120
100
80
60
40
20

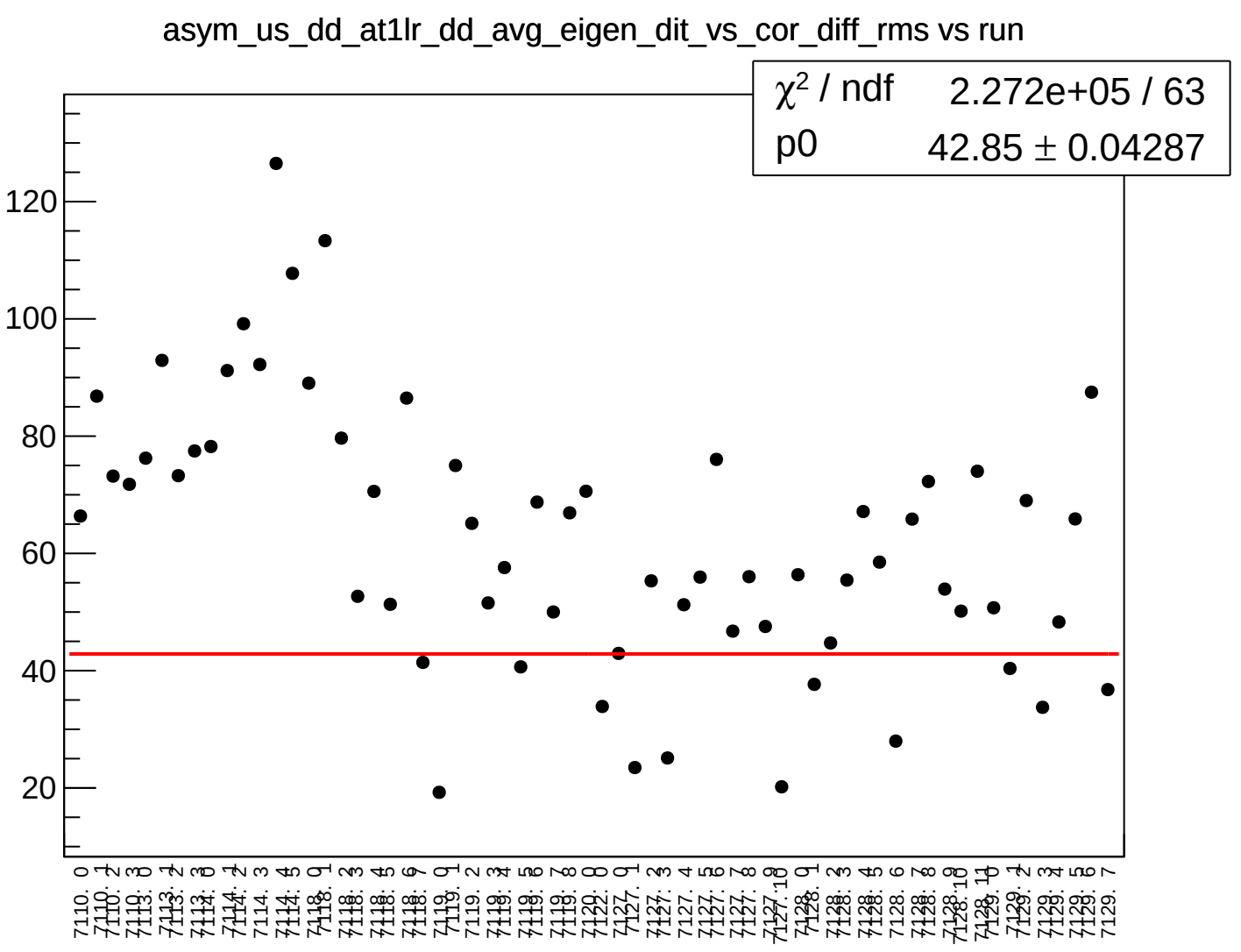

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.11 / 63
p0 −0.03982 ± 0.06063
pull
Entries 64
Mean −1036
Std Dev 0
pull1D
Entries 64
Mean 0.0005897
Std Dev 1.039

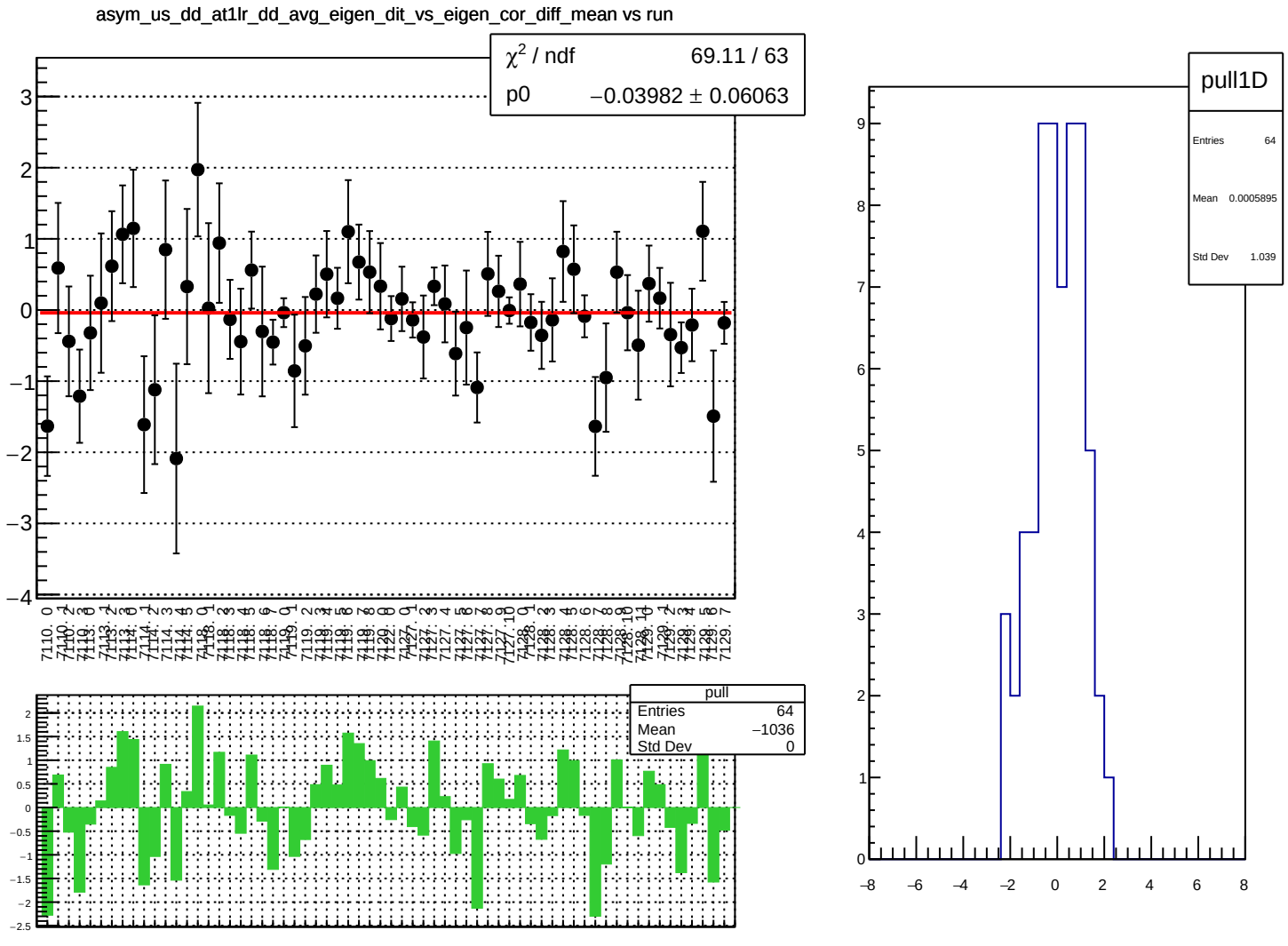

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.272e+05 / 63
p0 42.85 ± 0.04287
120
100
80
60
40
20

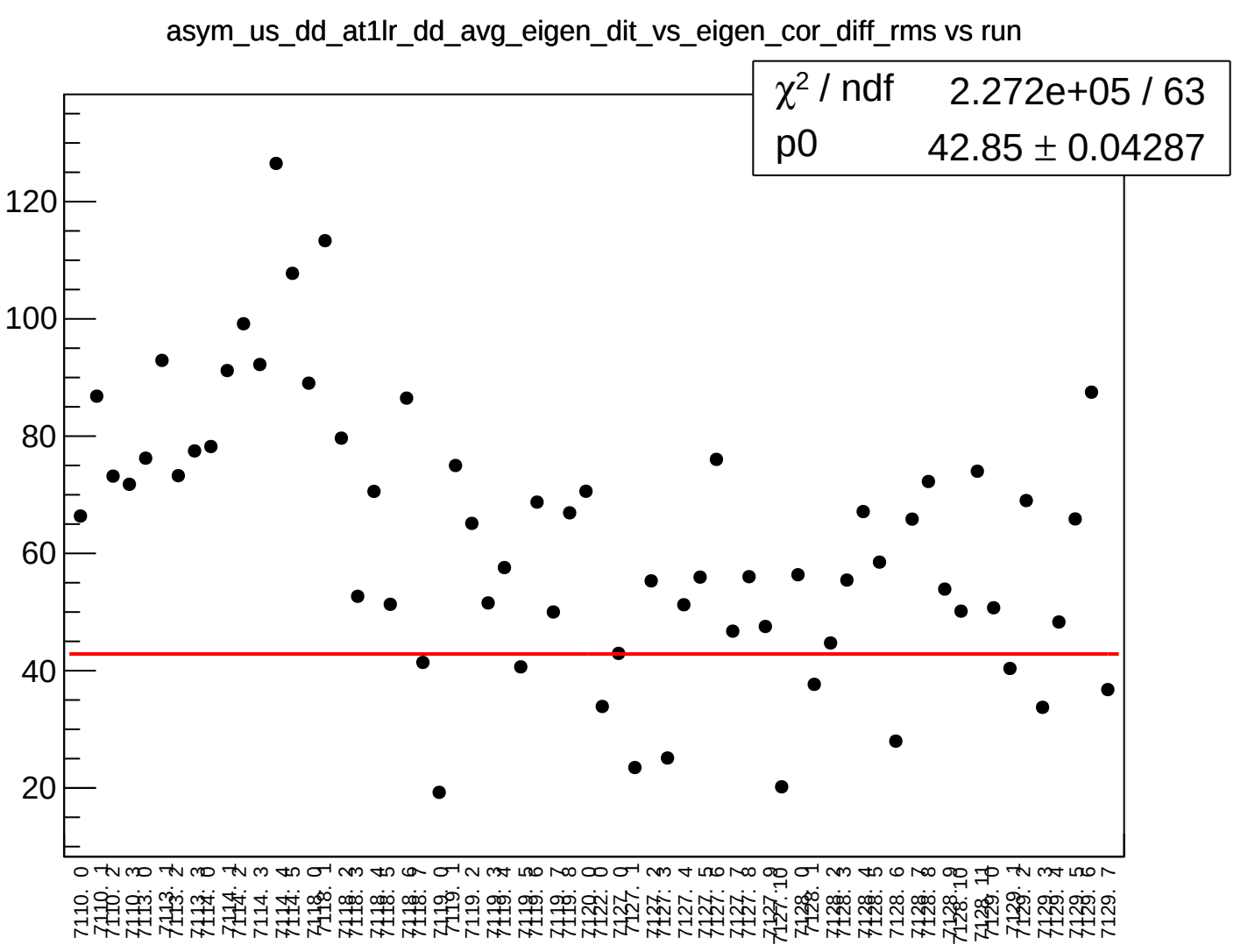

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.58 / 63
p0 3.229e−06 ± 2.488e−06
pull
Entries 64
Mean −122.9
Std Dev 0
pull1D
Entries 64
Mean −0.02001
Std Dev 0.9887

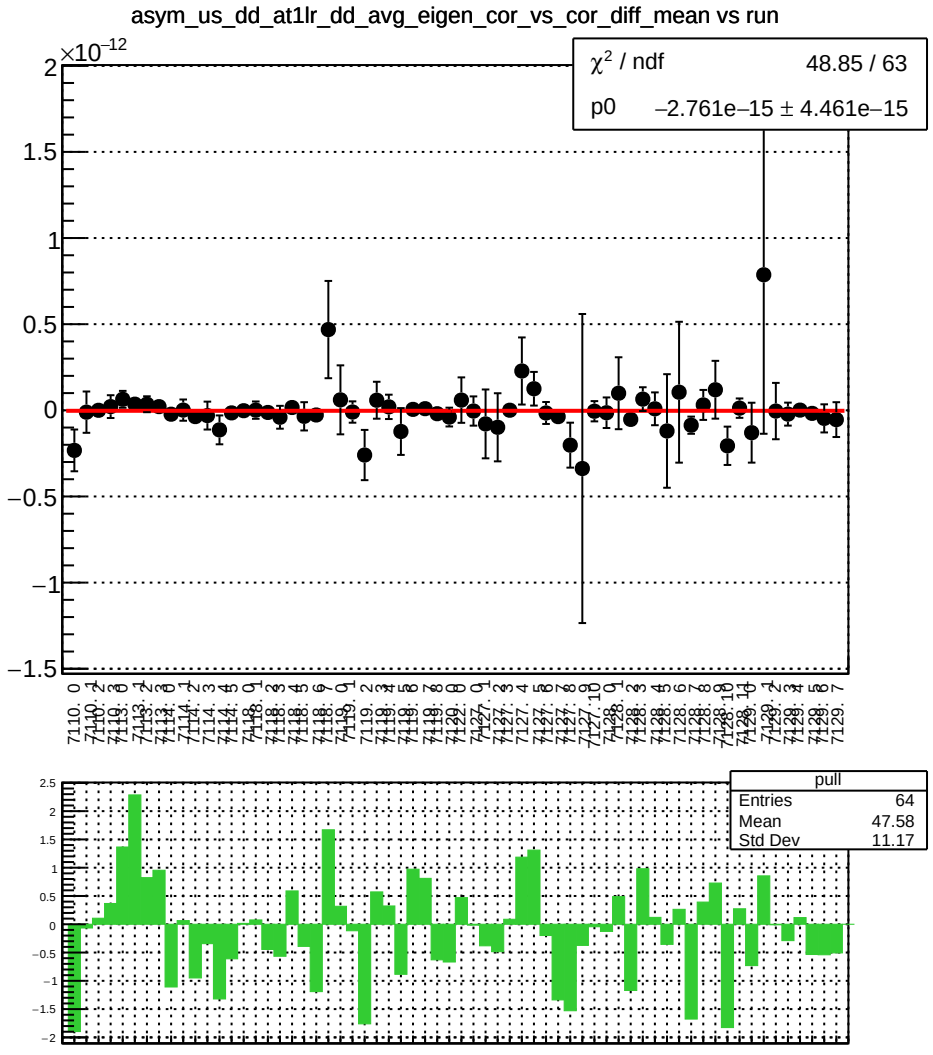

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6093 / 63
p0 0.001943 ± 1.759e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

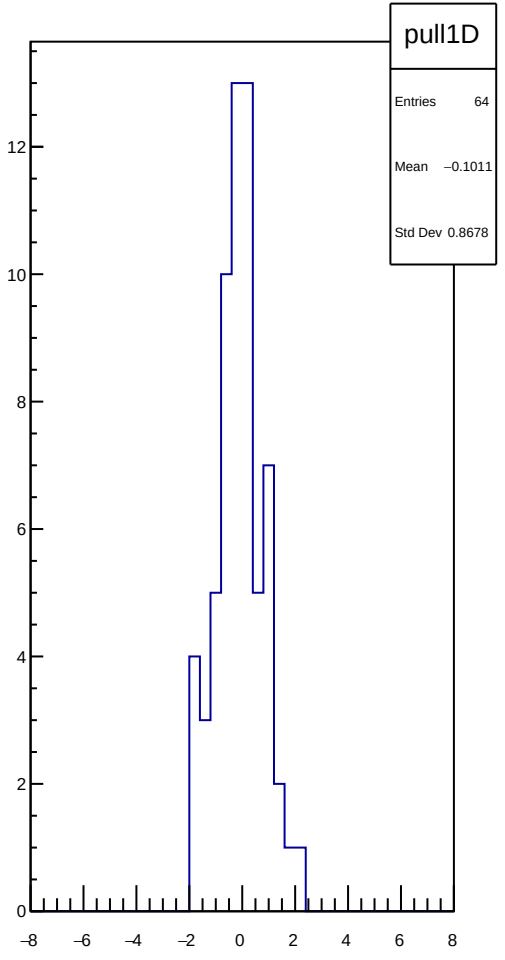

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.11 / 63
p0 −0.03982 ± 0.06063
pull
Entries 64
Mean −1036
Std Dev 0
pull1D
Entries 64
Mean 0.0005895
Std Dev 1.039

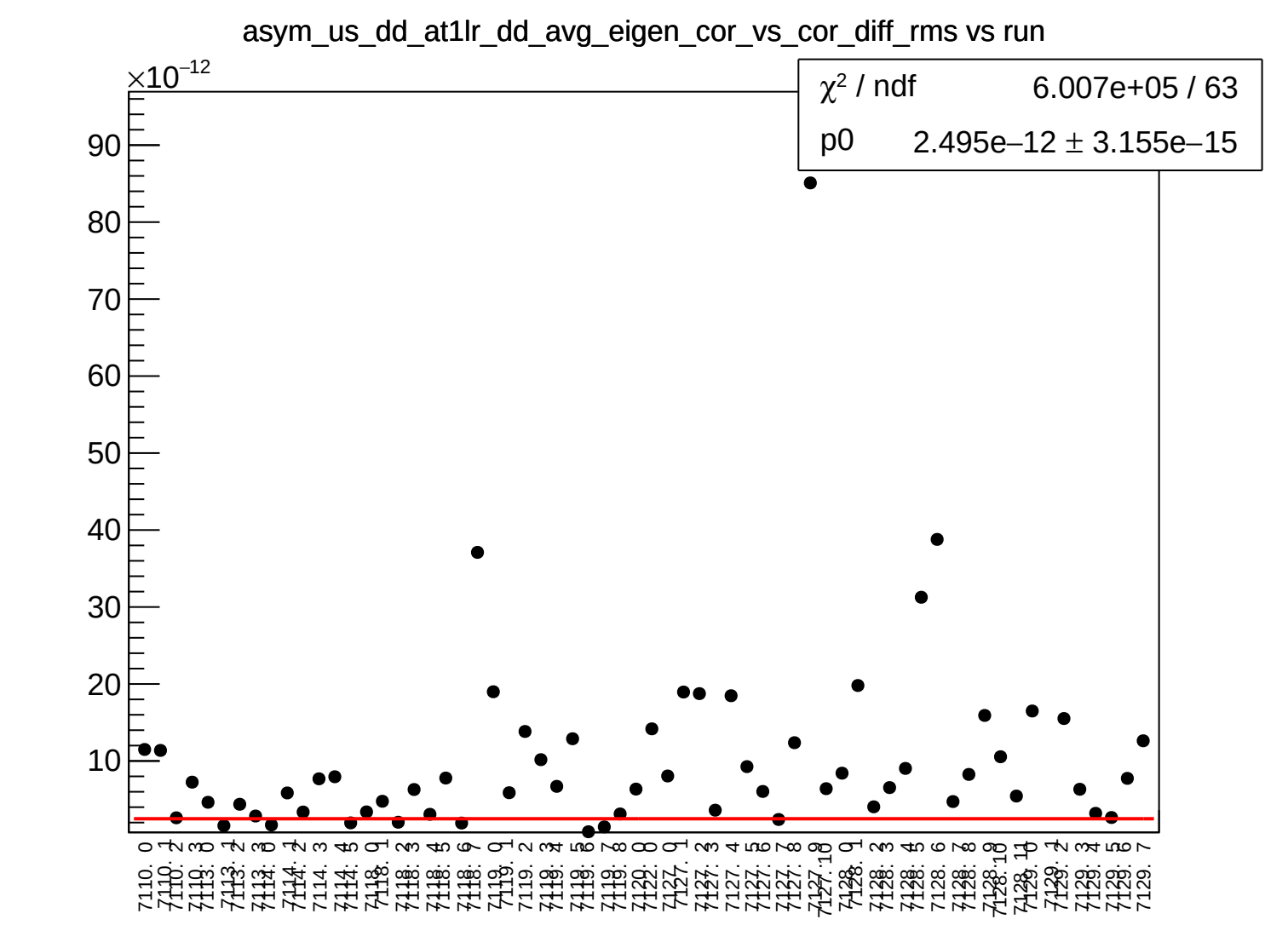

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.272e+05 / 63
p0 42.85 ± 0.04287
120
100
80
60
40
20

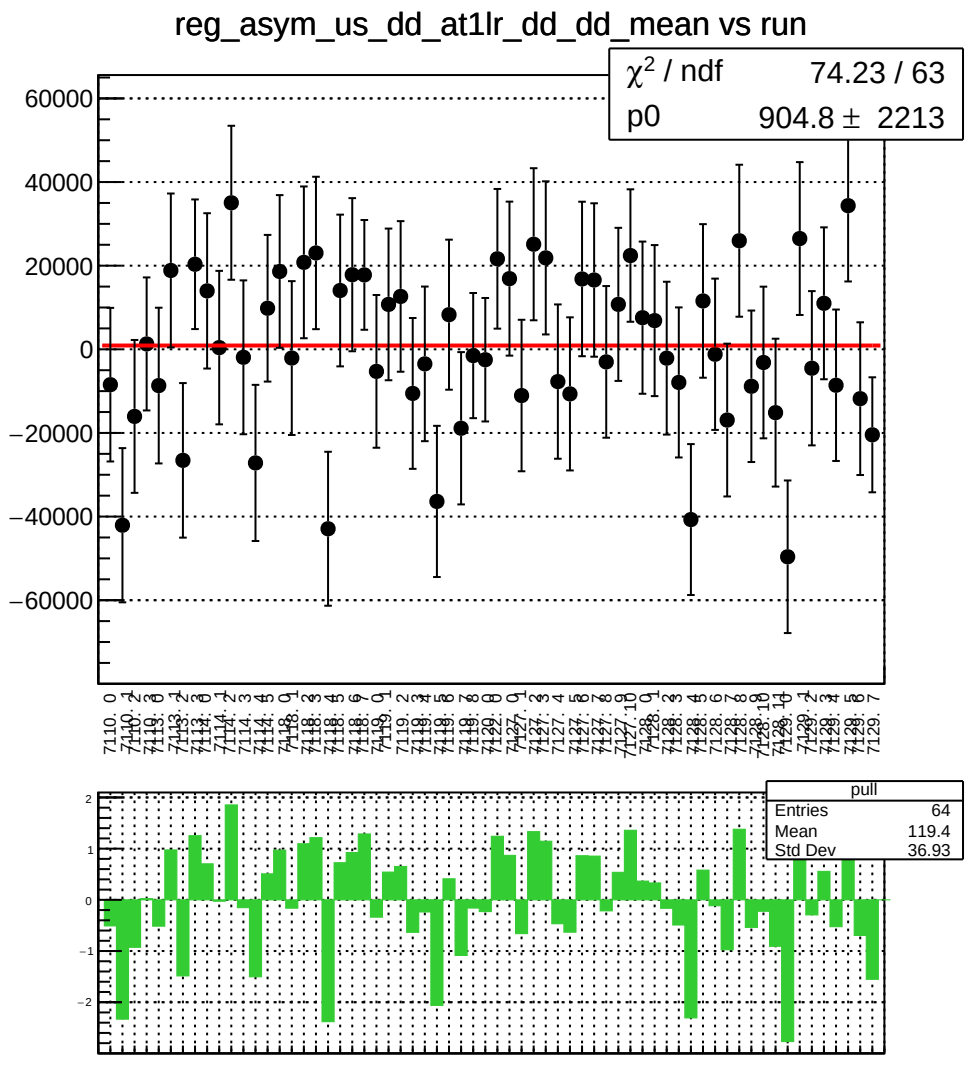

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.11 / 63
p0 −0.03982 ± 0.06063
pull
Entries 64
Mean −1036
Std Dev 0
pull1D
Entries 64
Mean 0.0005895
Std Dev 1.039

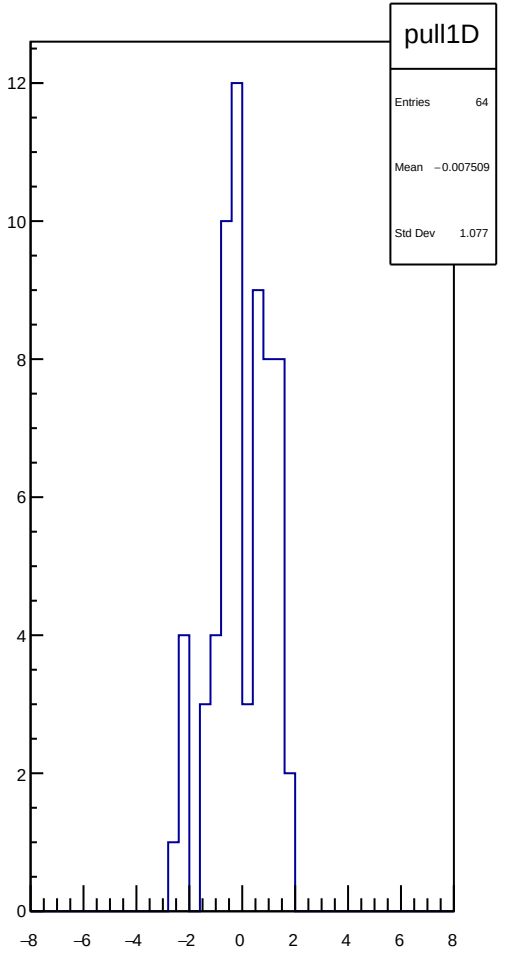

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.272e+05 / 63
p0 42.85 ± 0.04287
120
100
80
60
40
20

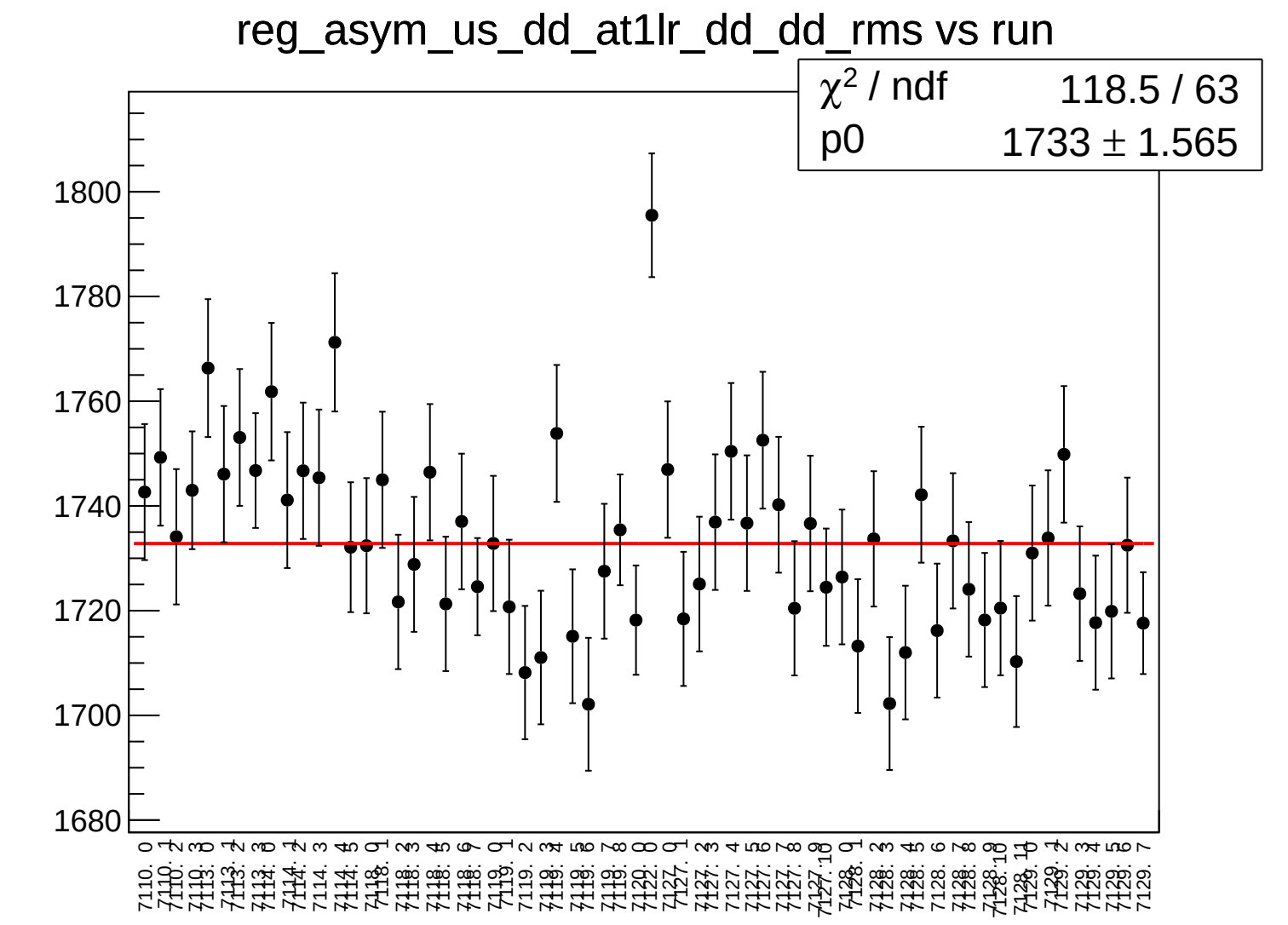

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.85 / 63
p0 −2.761e−15 ± 4.461e−15
pull
Entries 64
Mean 47.58
Std Dev 11.17

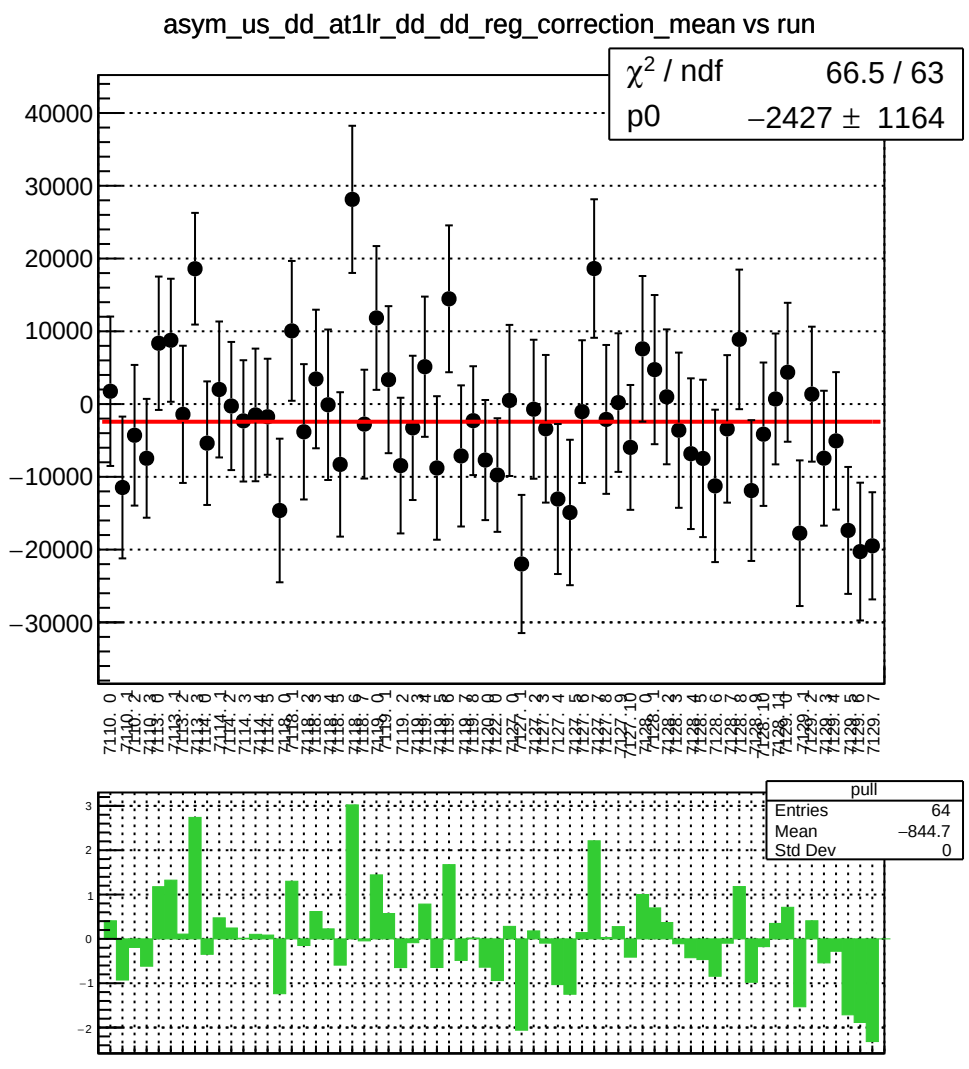

pull1D
Entries 64
Mean −0.1011
Std Dev 0.8678

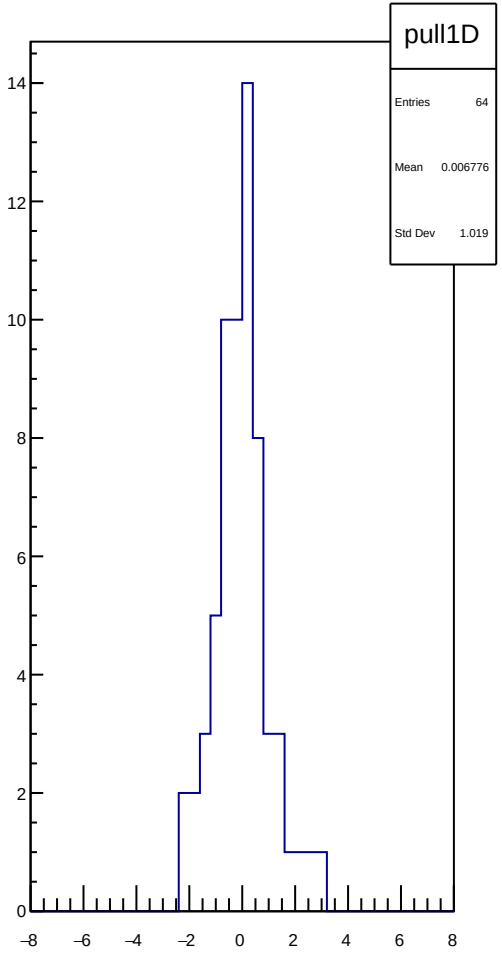

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.007e+05 / 63
p0 2.495e−12 ± 3.155e−15
90
80
70
60
50
40
30
20
10

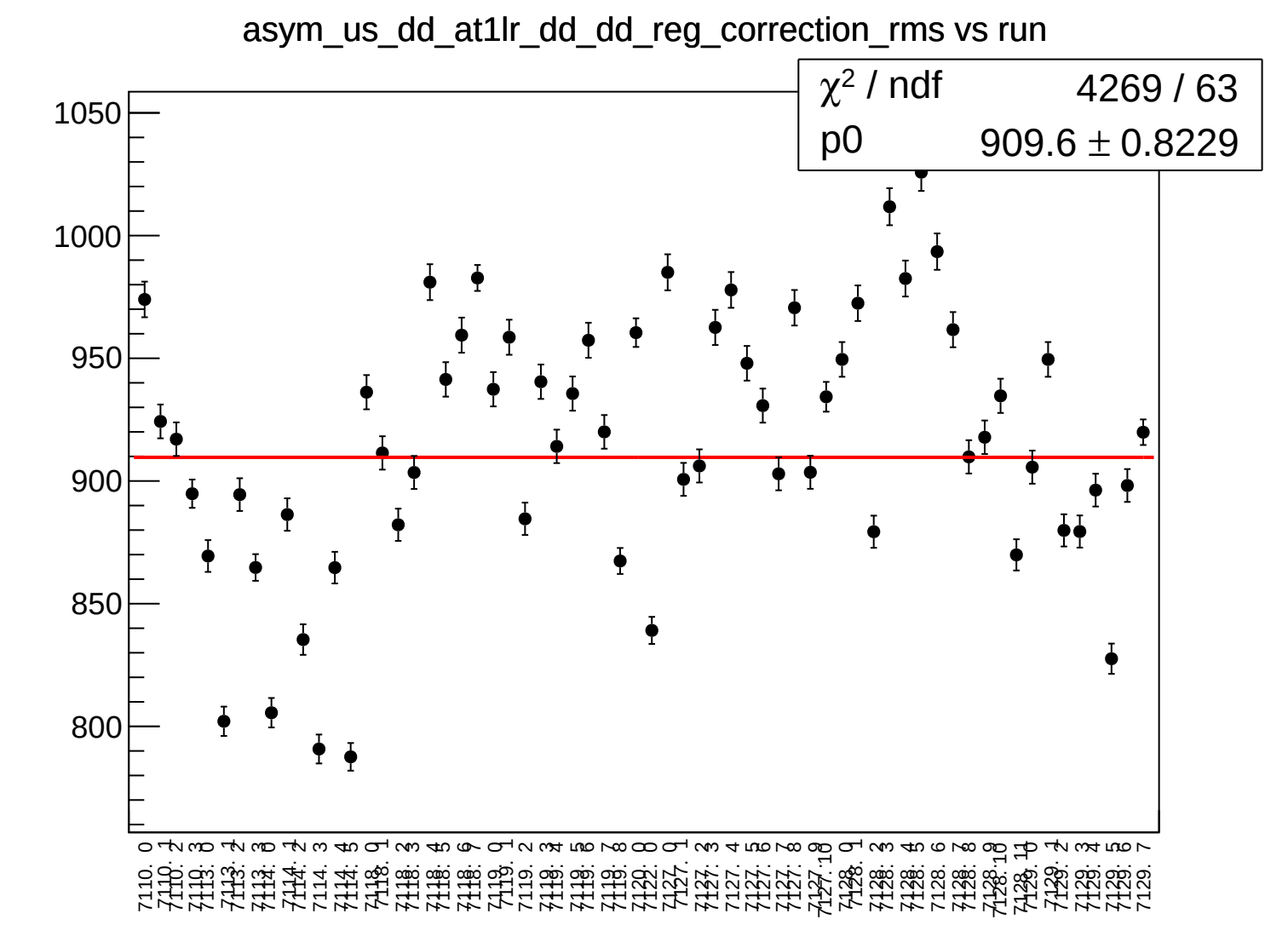

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 74.23 / 63
p0 904.8 ± 2213
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 119.4
Std Dev 36.93
2
1
0
−1
−2

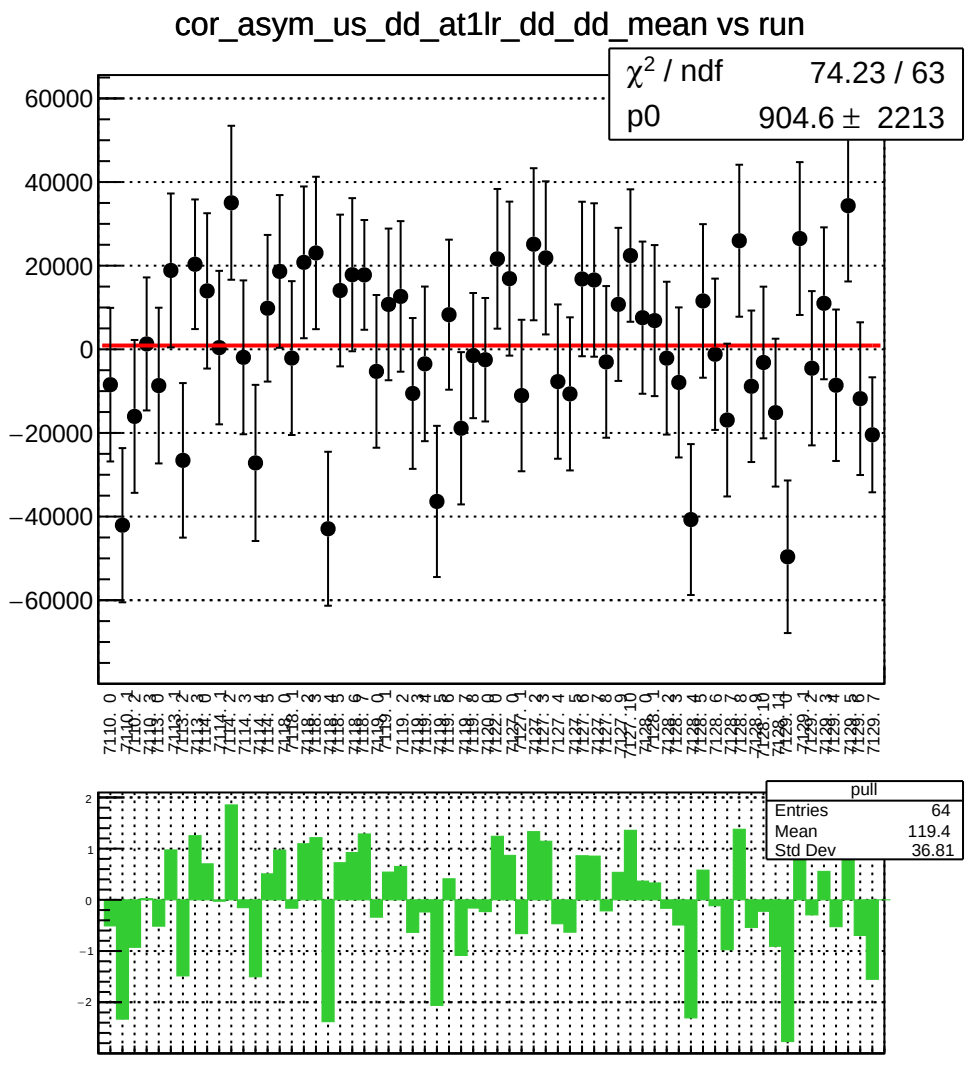

pull1D
Entries 64
Mean −0.007509
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

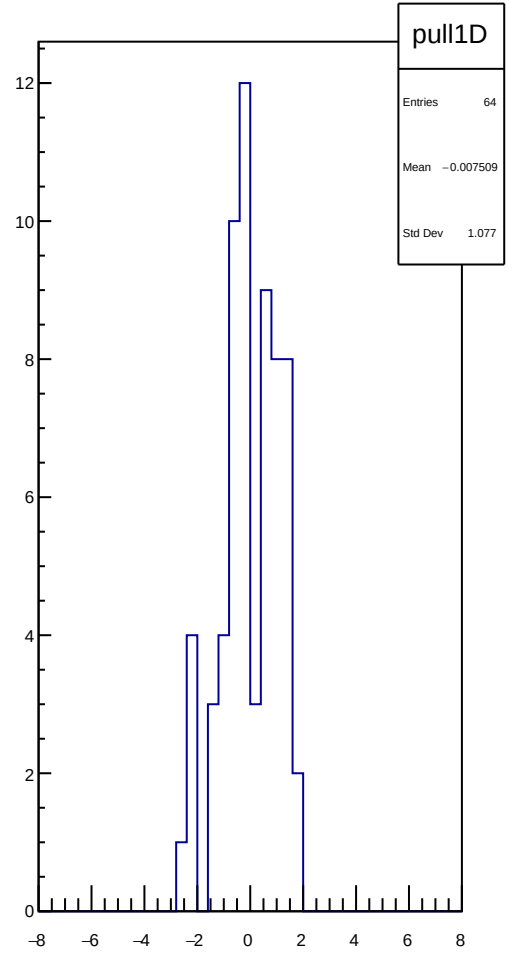

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 118.5 / 63
p0 1733 ± 1.565
1800
1780
1760
1740
1720
1700
1680

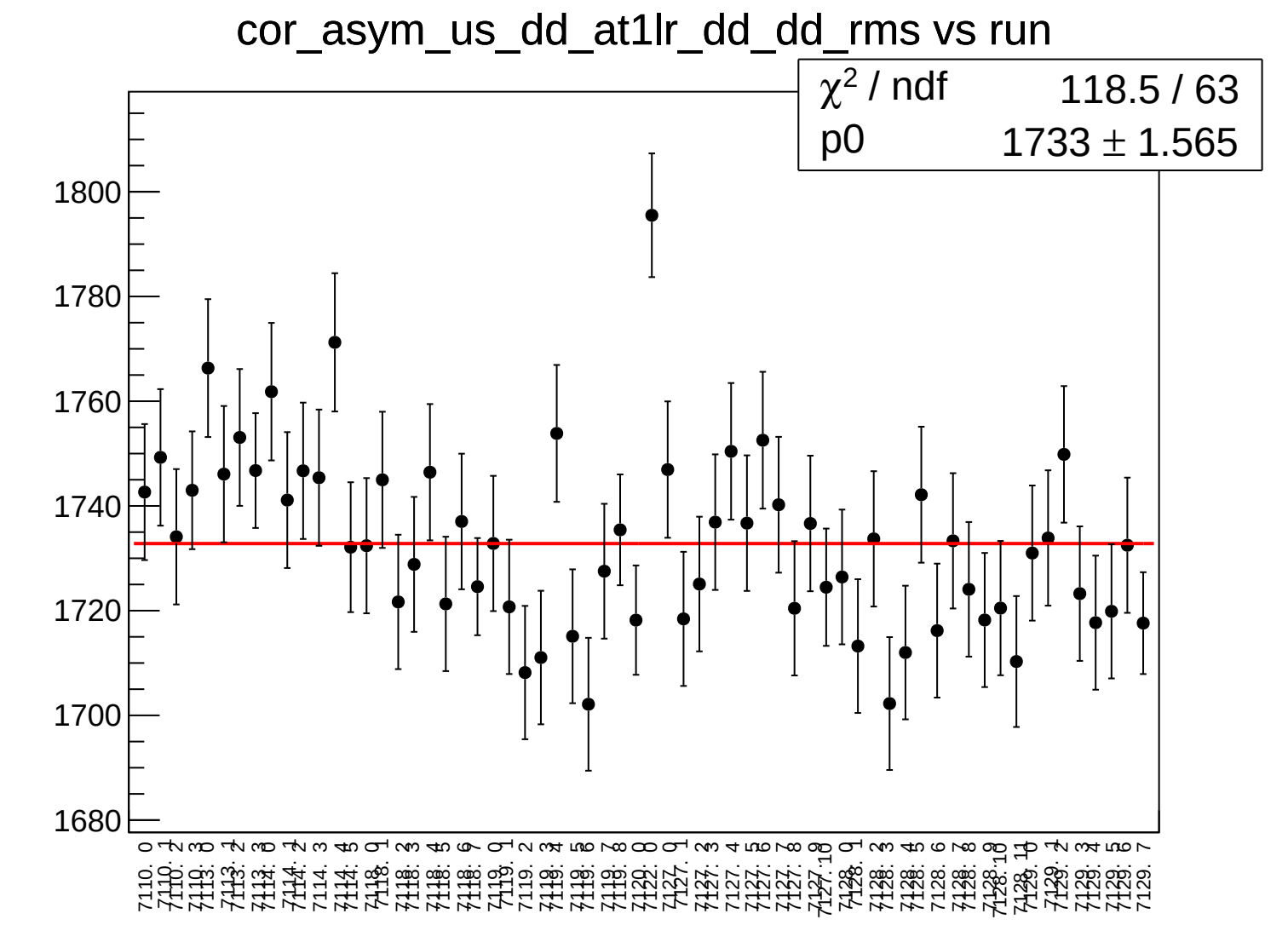

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 66.5 / 63
p0 −2427 ± 1164
pull
Entries 64
Mean −844.7
Std Dev 0

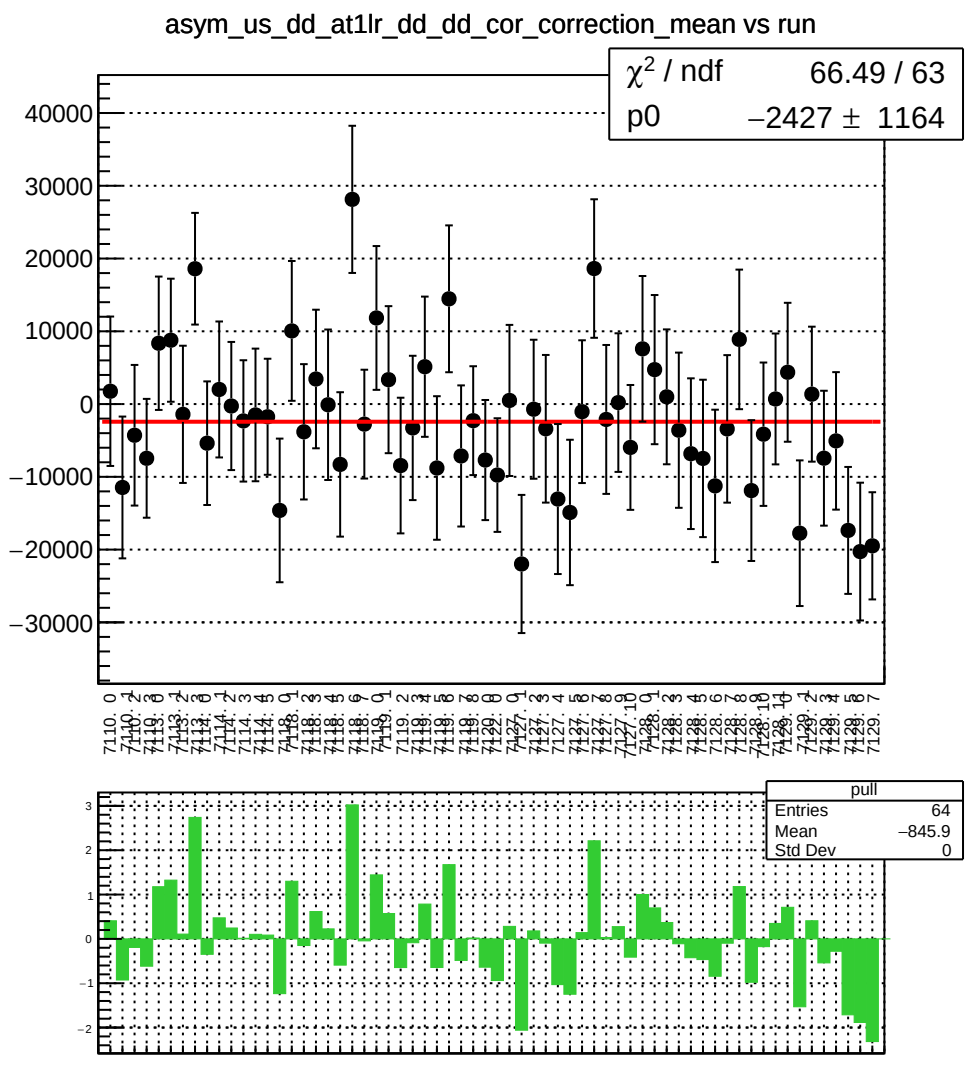

pull1D
Entries 64
Mean 0.006776
Std Dev 1.019

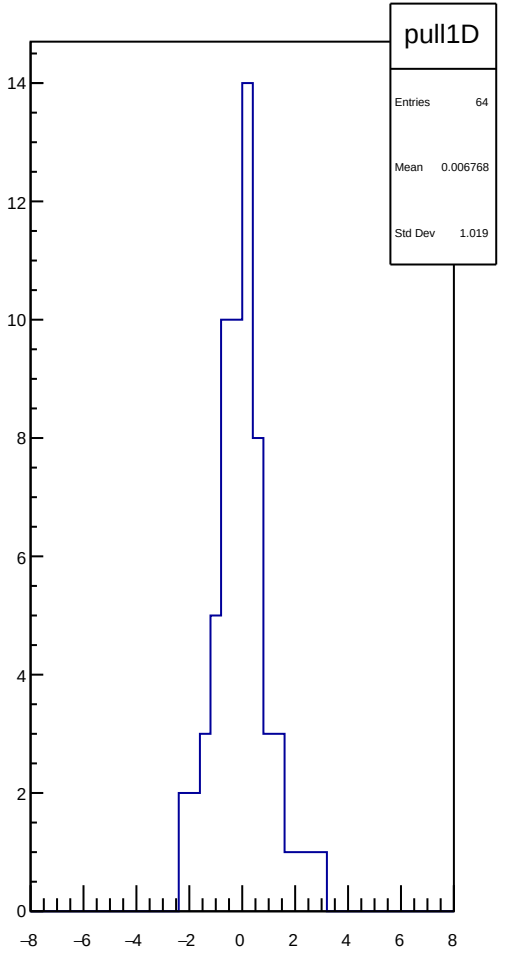

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 4269 / 63
p0 909.6 ± 0.8229
1050
1000
950
900
850
800

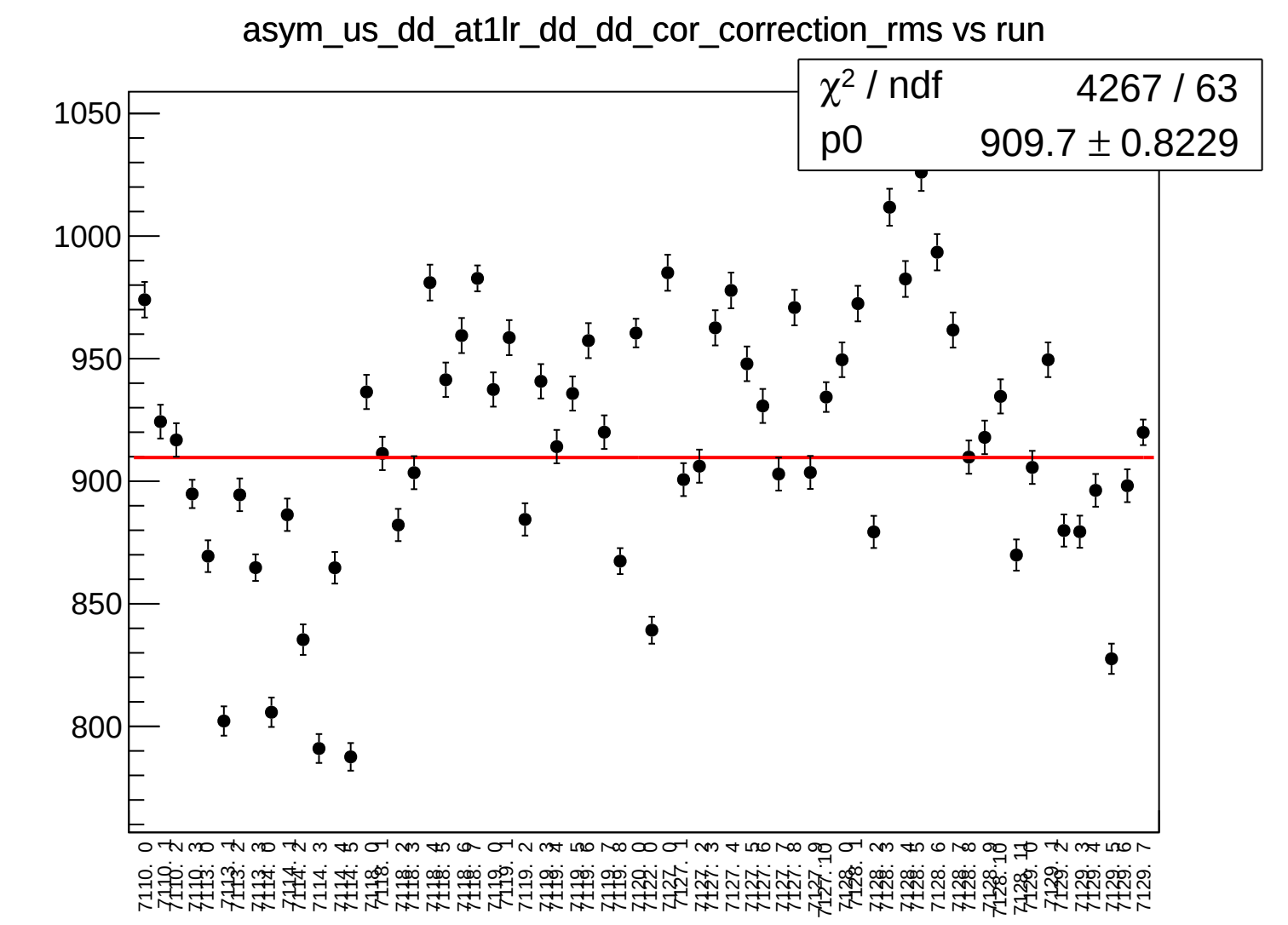

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 74.23 / 63
p0 904.6 ± 2213
pull
Entries 64
Mean 119.4
Std Dev 36.81

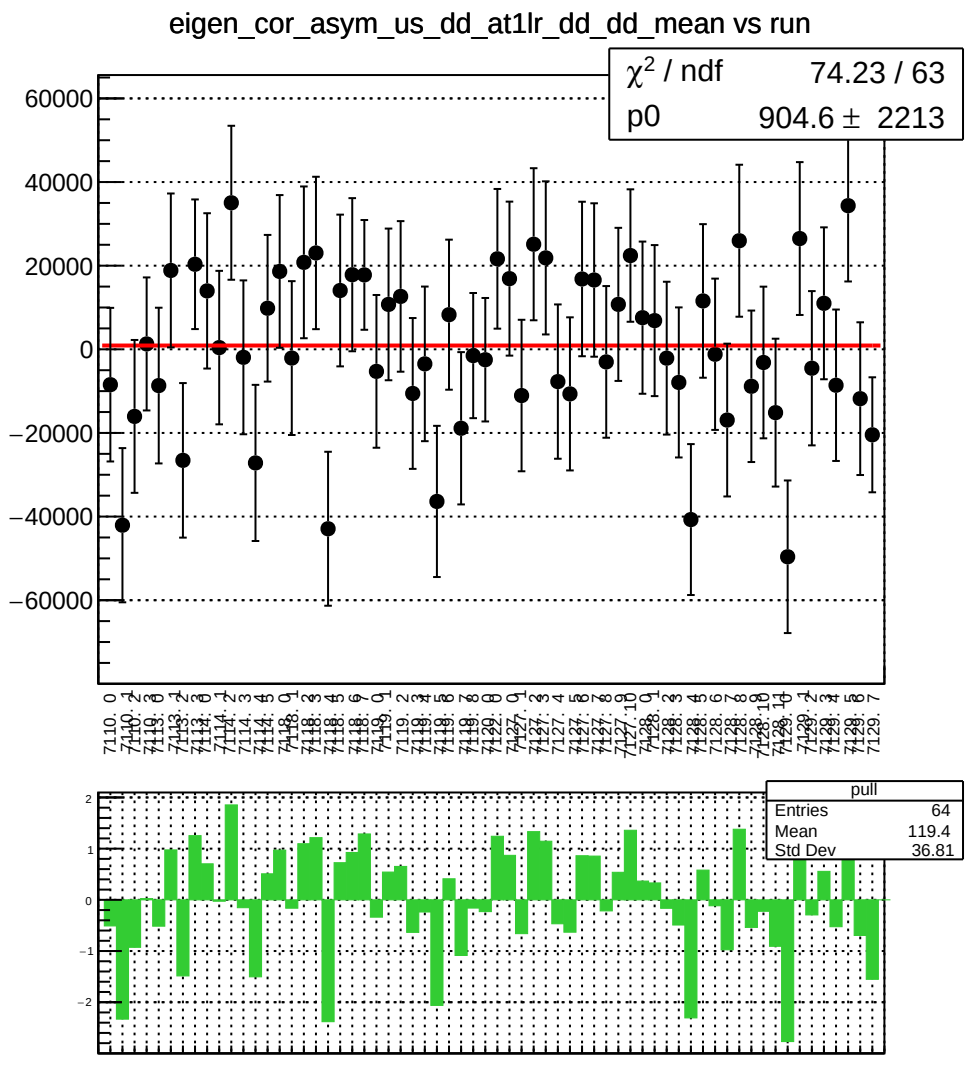

pull1D
Entries 64
Mean −0.007509
Std Dev 1.077

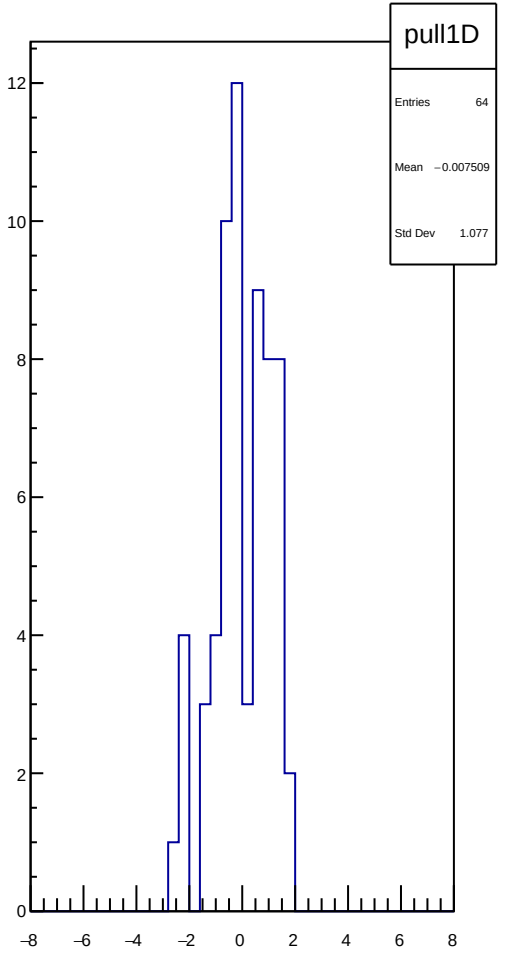

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 118.5 / 63
p0 1733 ± 1.565
1800
1780
1760
1740
1720
1700
1680

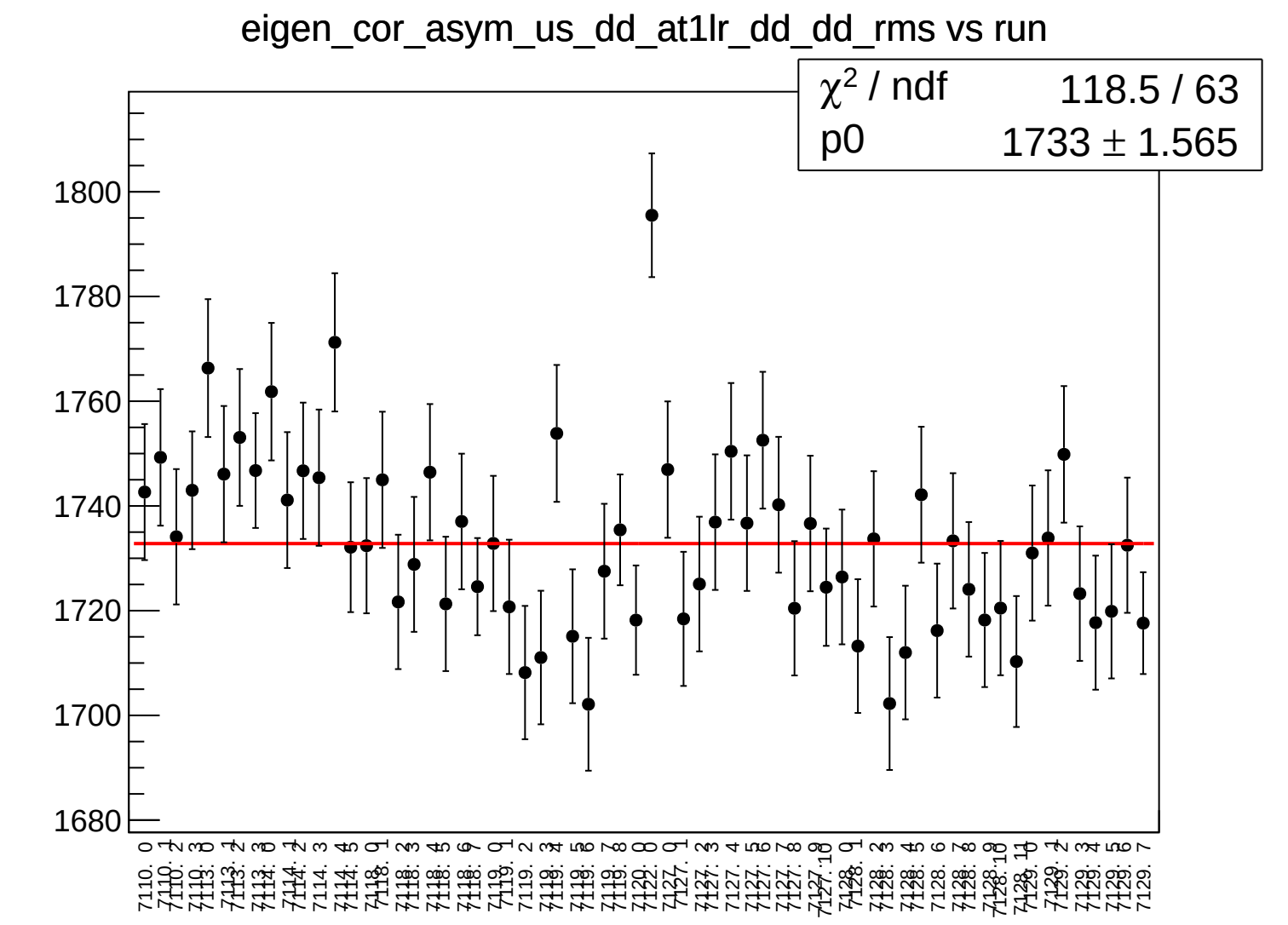

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 66.49 / 63
p0 −2427 ± 1164
pull
Entries 64
Mean −845.9
Std Dev 0

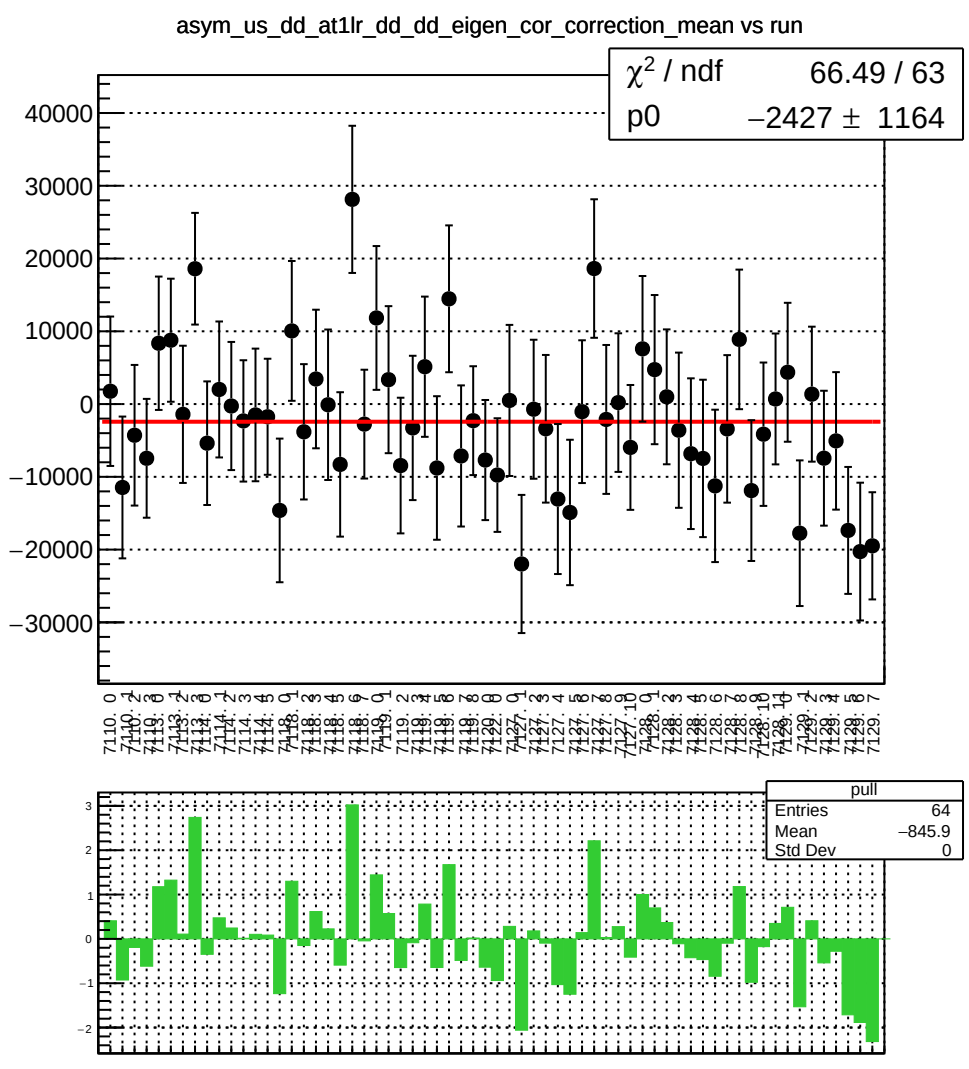

pull1D
Entries 64
Mean 0.006768
Std Dev 1.019

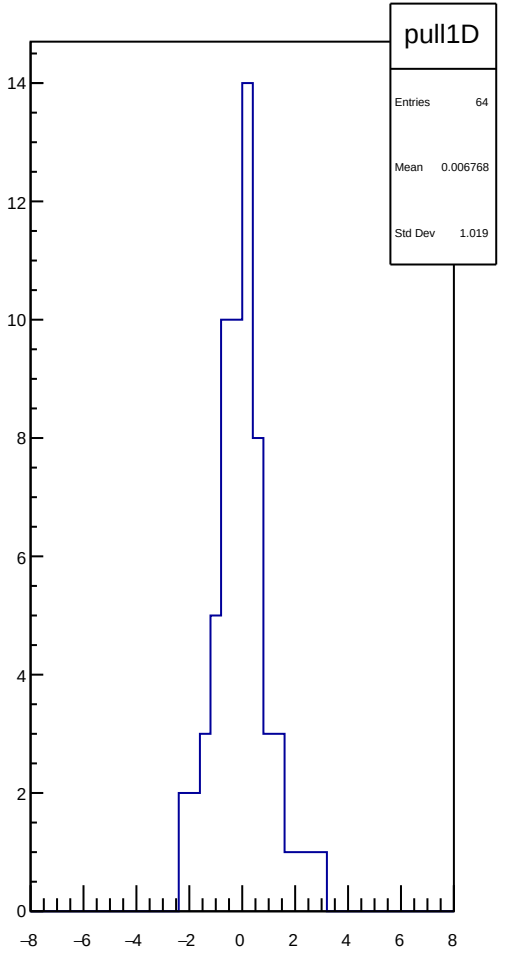

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 4267 / 63
p0 909.7 ± 0.8229
1050
1000
950
900
850
800
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

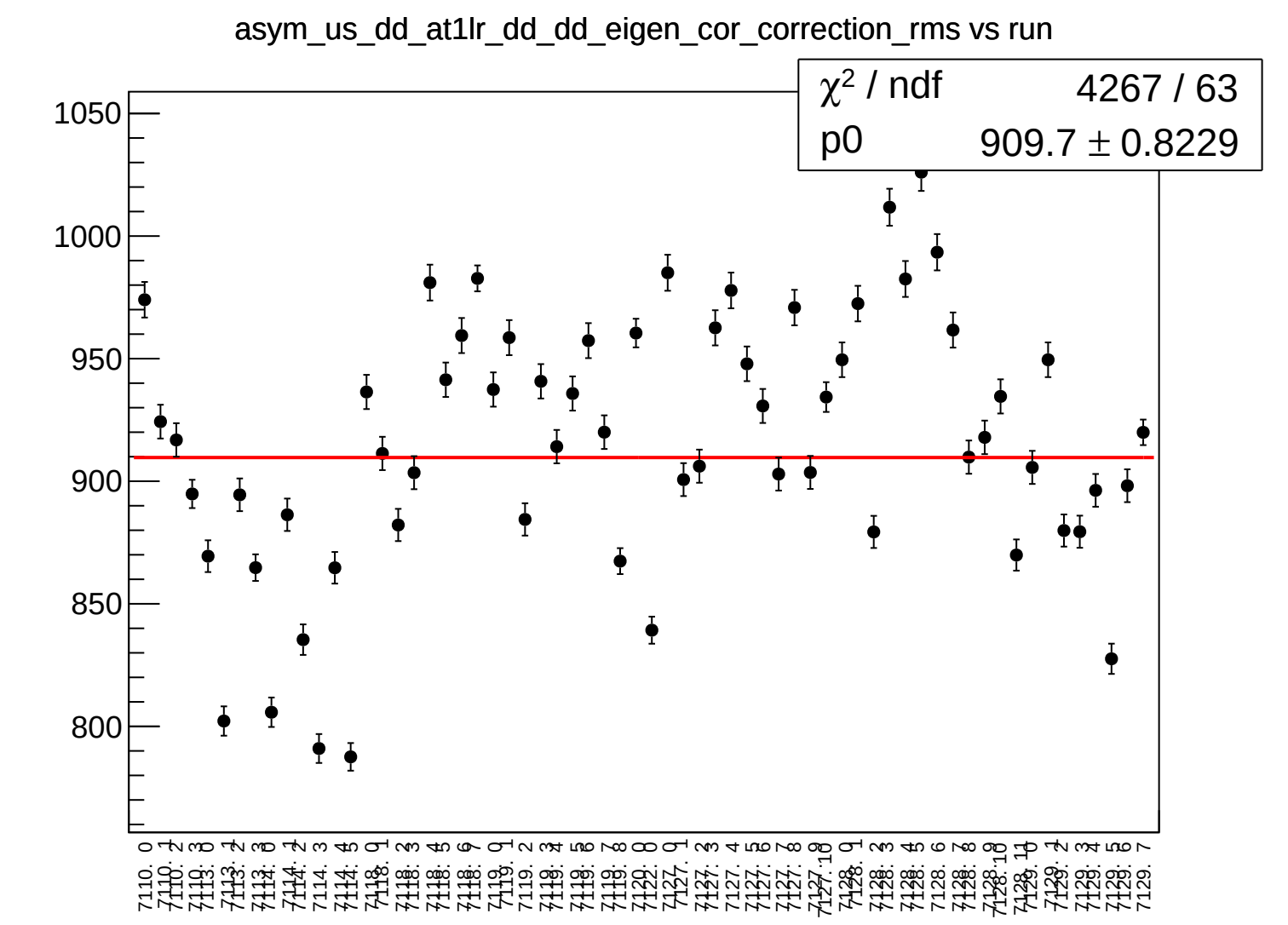

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 74.23 / 63
p0 904.6 ± 2213
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean 119.4
Std Dev 36.81
2
1
0
−1
−2

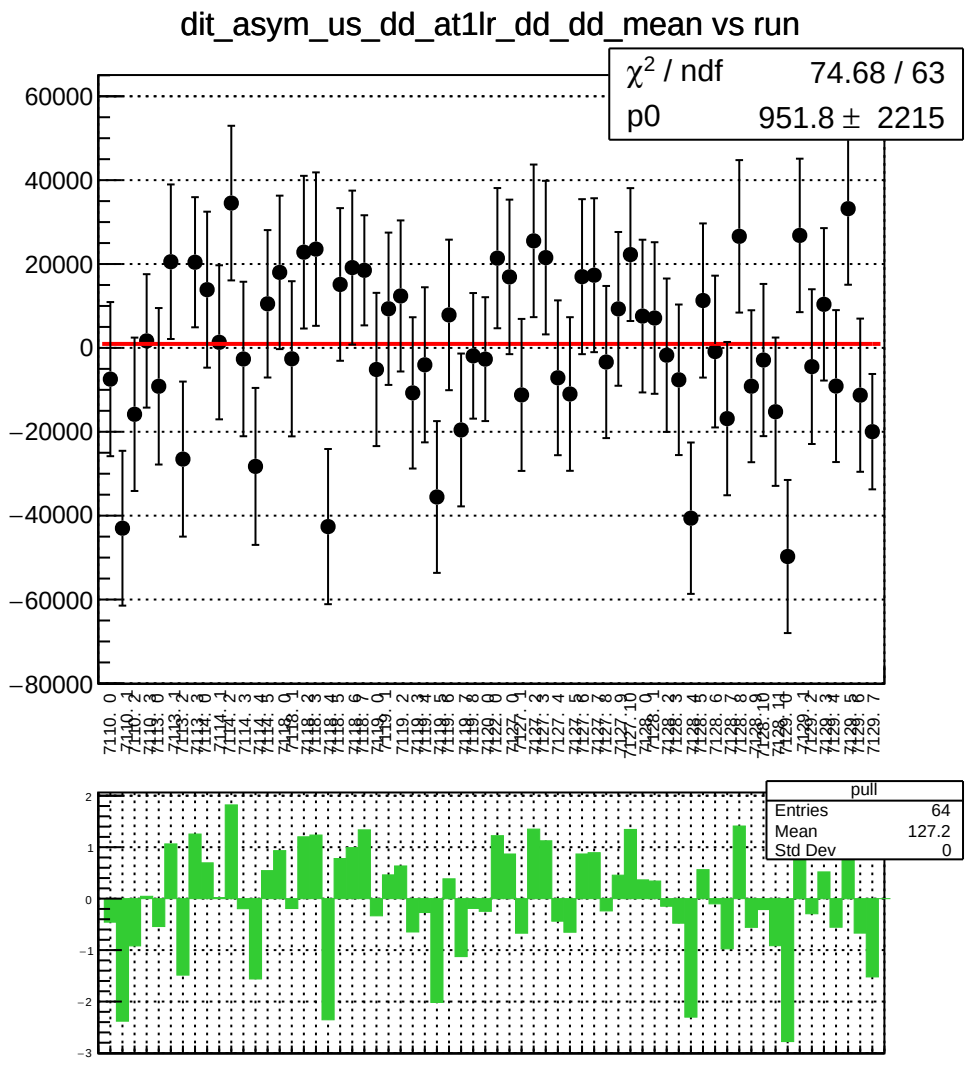

pull1D
Entries 64
Mean −0.007509
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

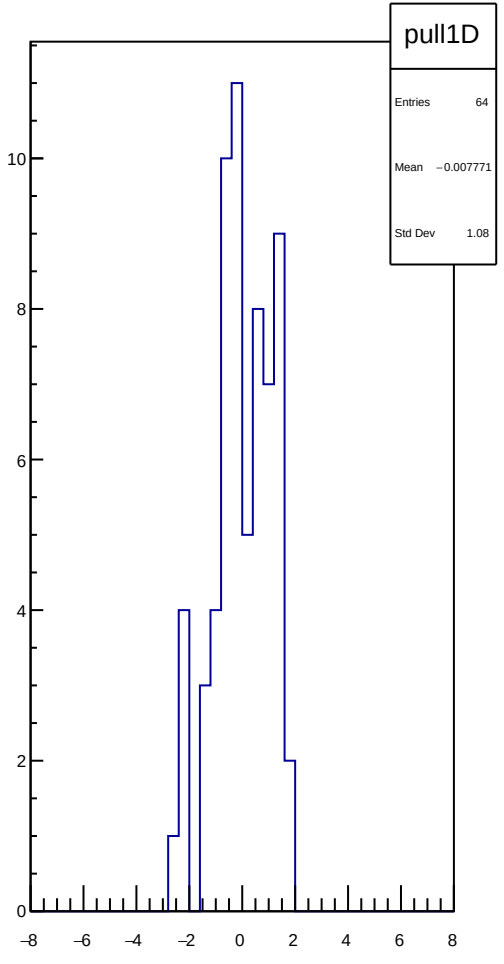

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 118.5 / 63
p0 1733 ± 1.565
1800
1780
1760
1740
1720
1700
1680

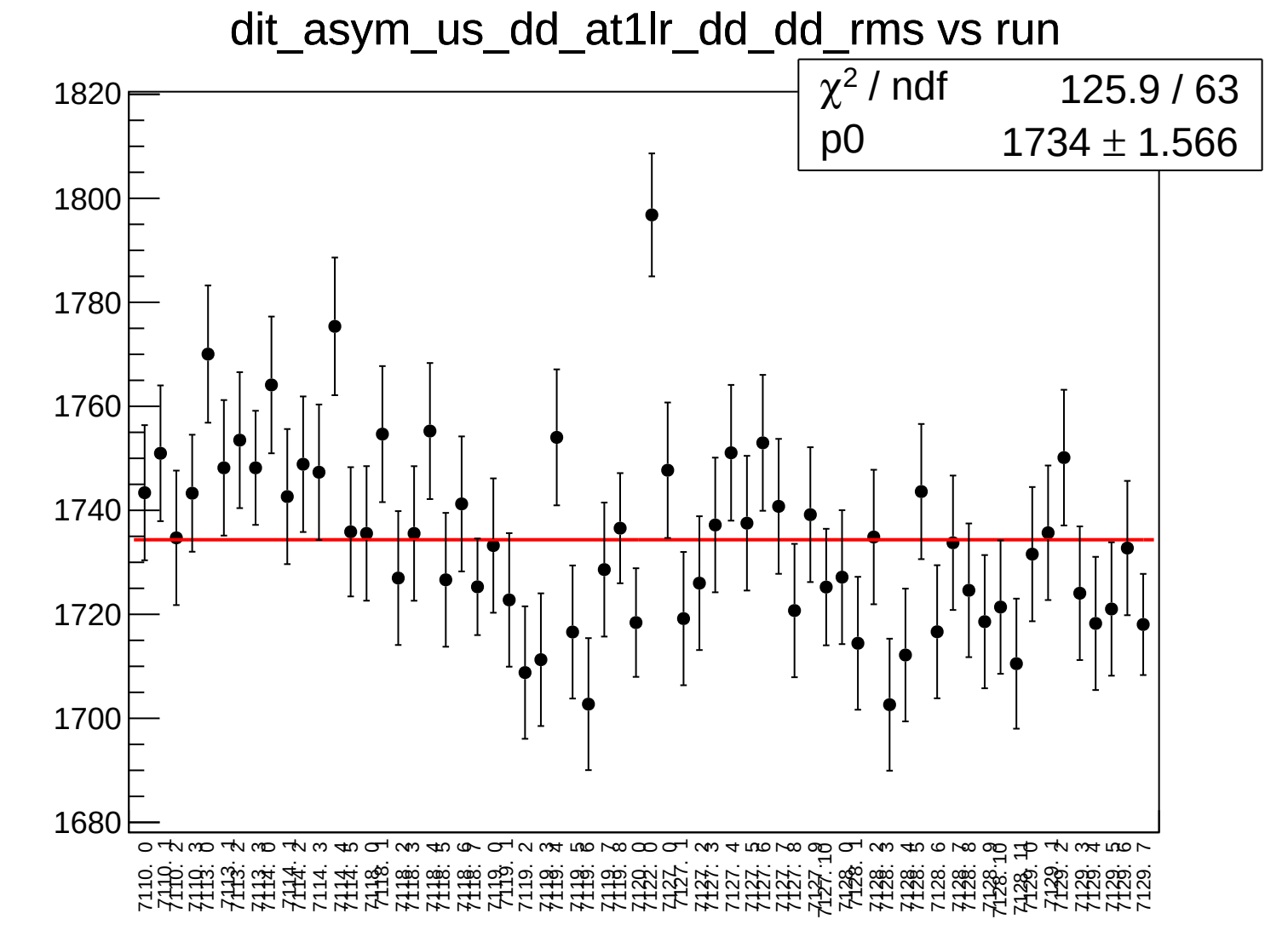

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.49 / 63
p0 −2427 ± 1164
pull
Entries 64
Mean −845.9
Std Dev 0

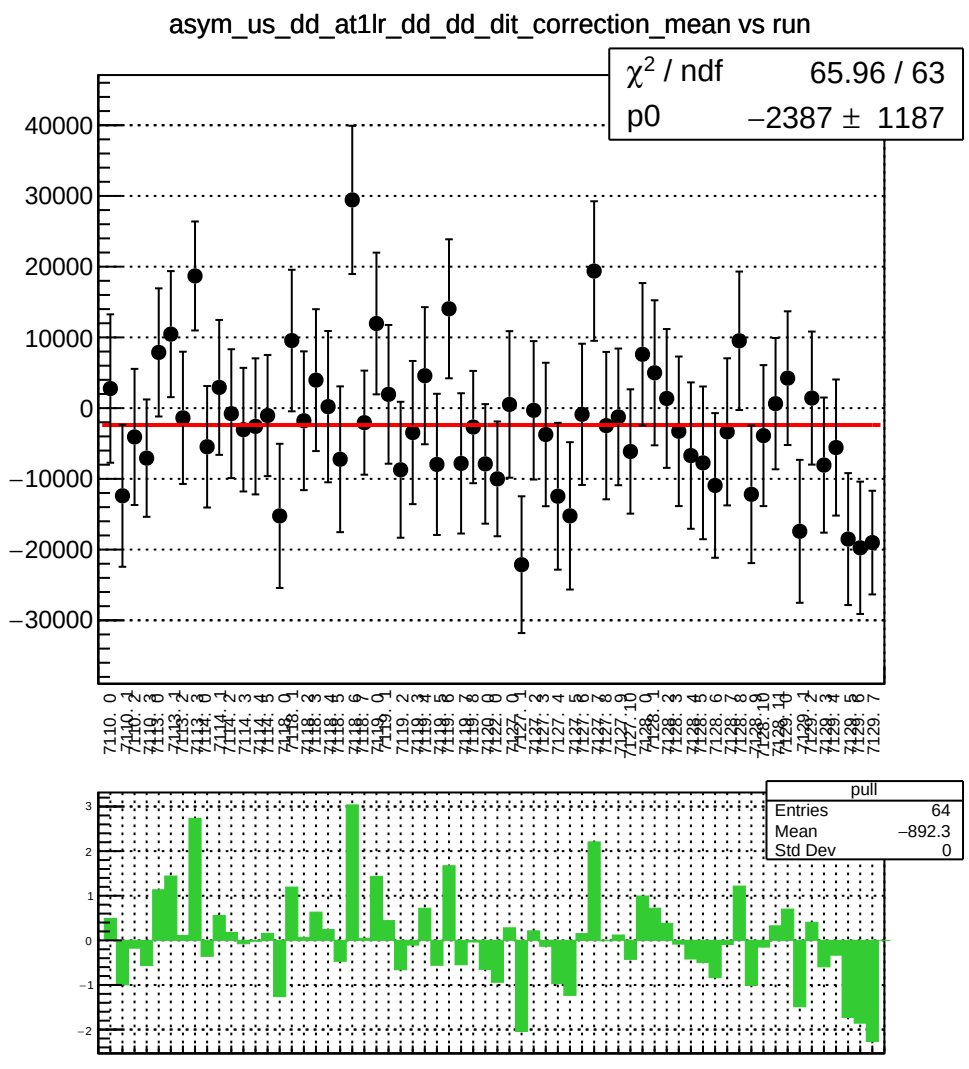

pull1D
Entries 64
Mean 0.006768
Std Dev 1.019

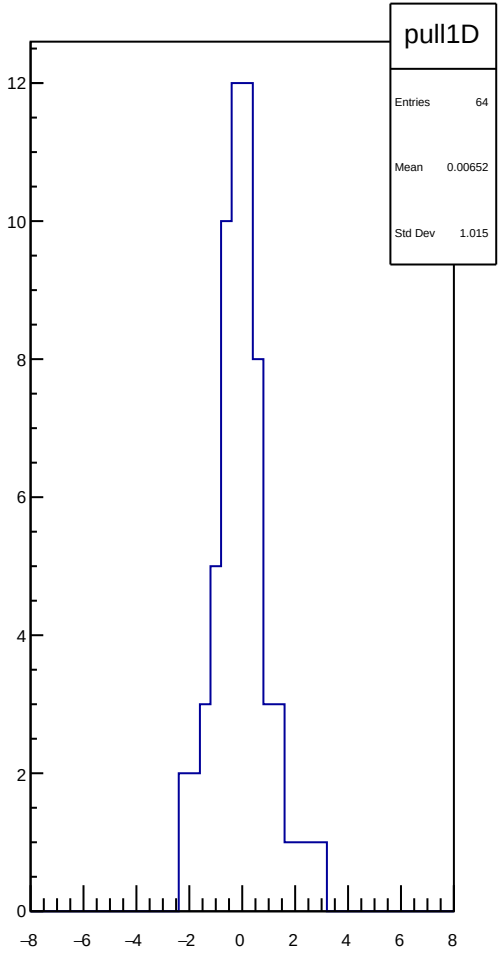

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4267 / 63
p0 909.7 ± 0.8229
1050
1000
950
900
850
800
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

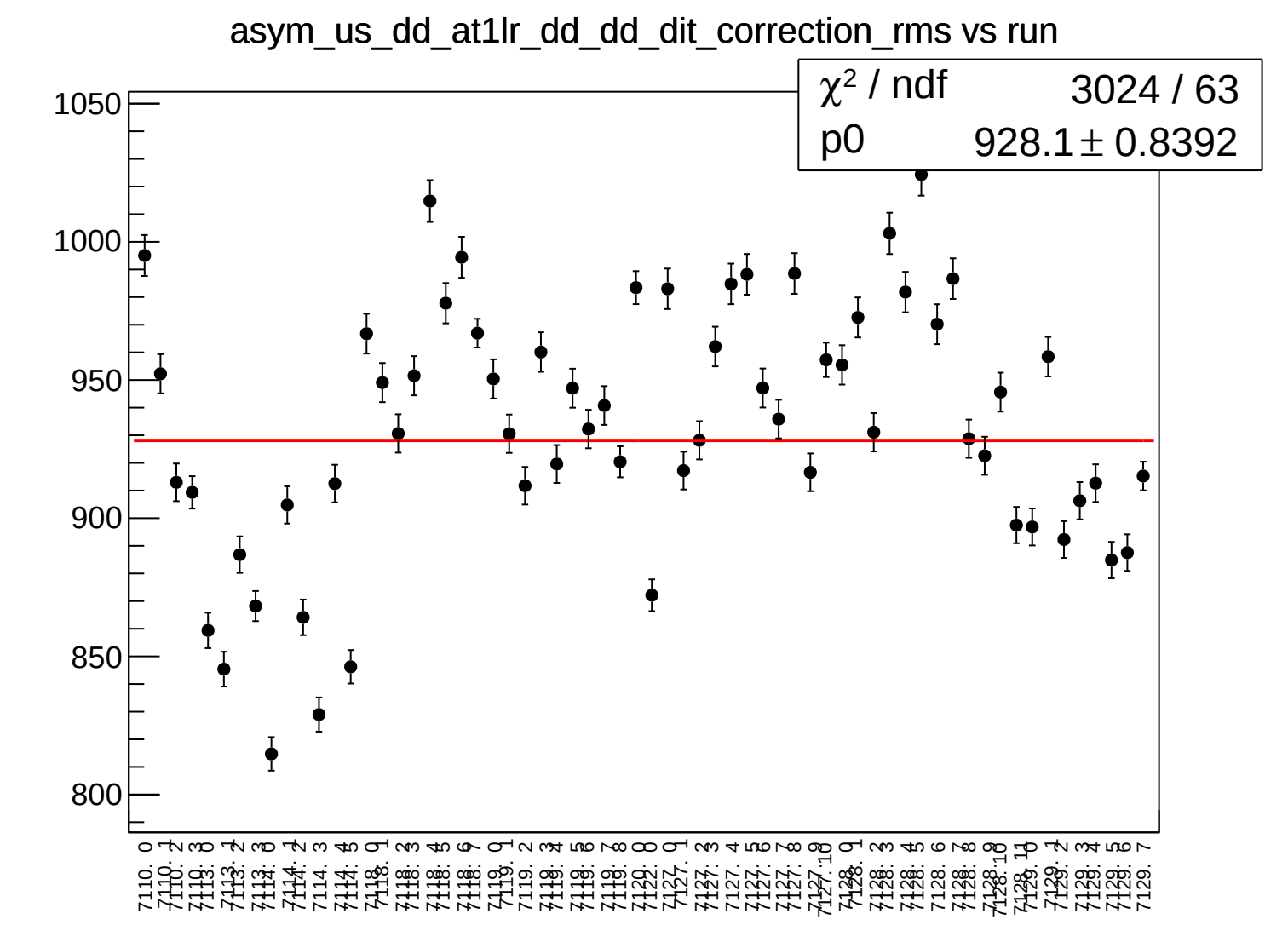

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 74.68 / 63
p0 951.8 ± 2215
pull
Entries 64
Mean 127.2
Std Dev 0

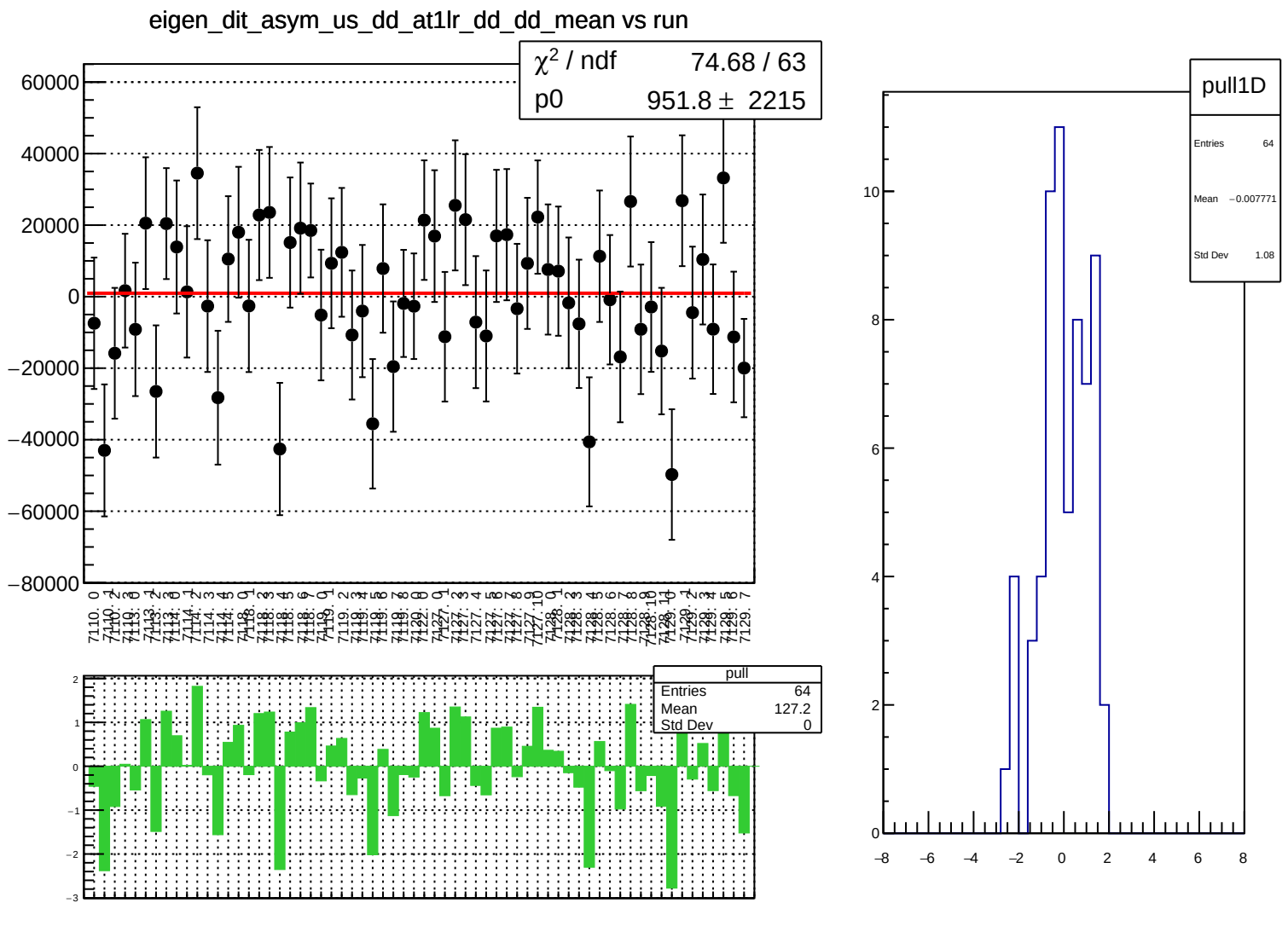

pull1D
Entries 64
Mean −0.007771
Std Dev 1.08

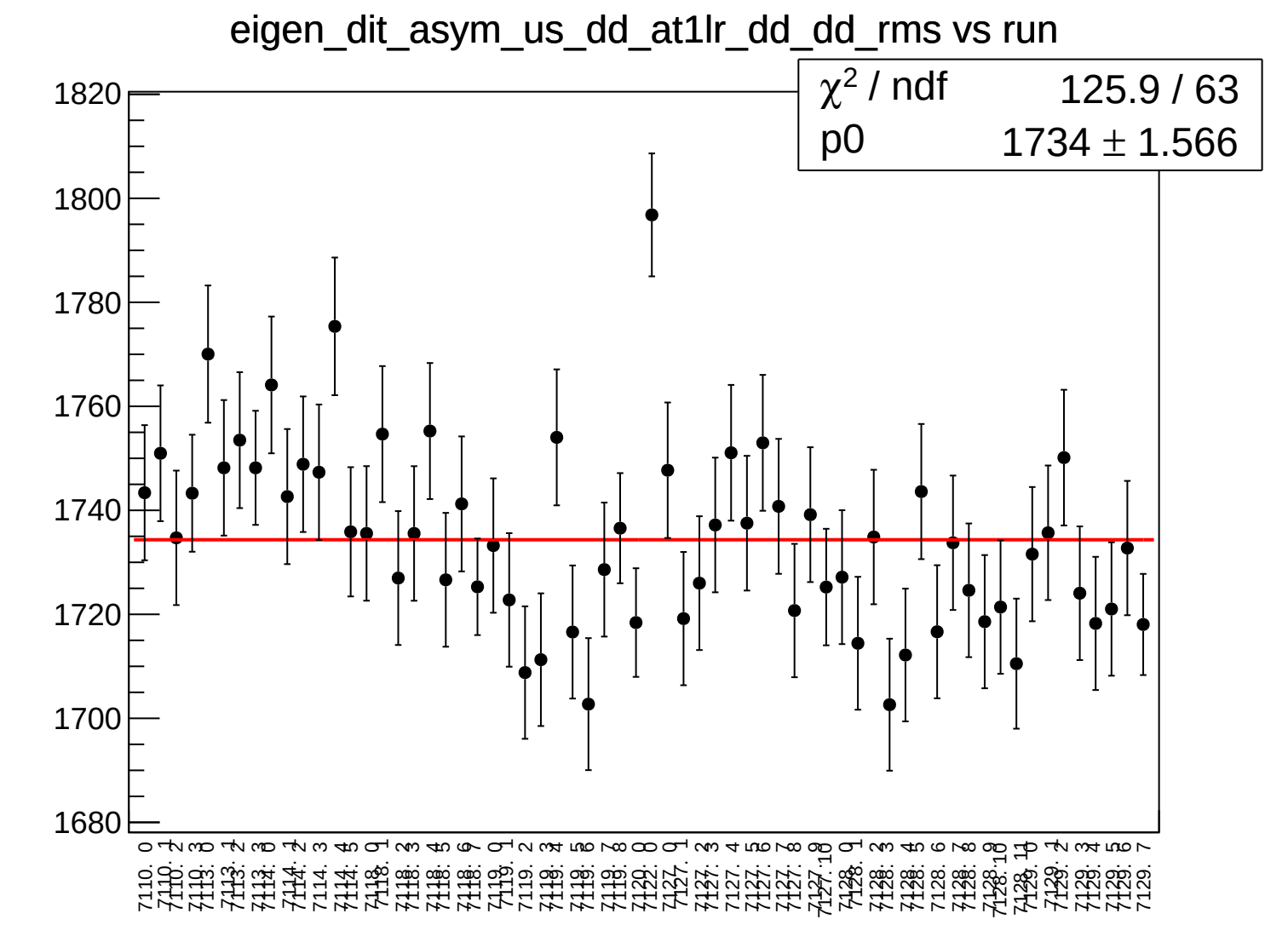

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 125.9 / 63
p0 1734 ± 1.566
1820
1800
1780
1760
1740
1720
1700
1680

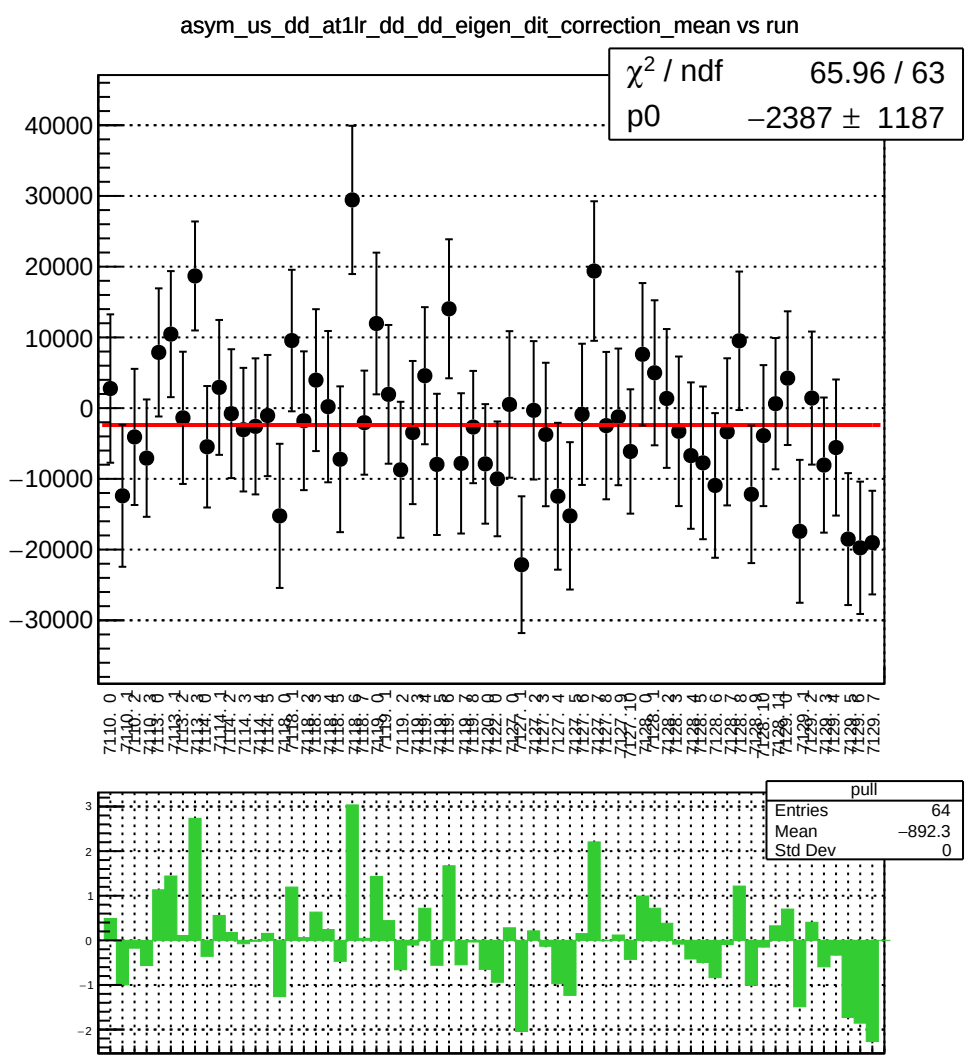

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 65.96 / 63
p0 −2387 ± 1187
pull
Entries 64
Mean −892.3
Std Dev 0

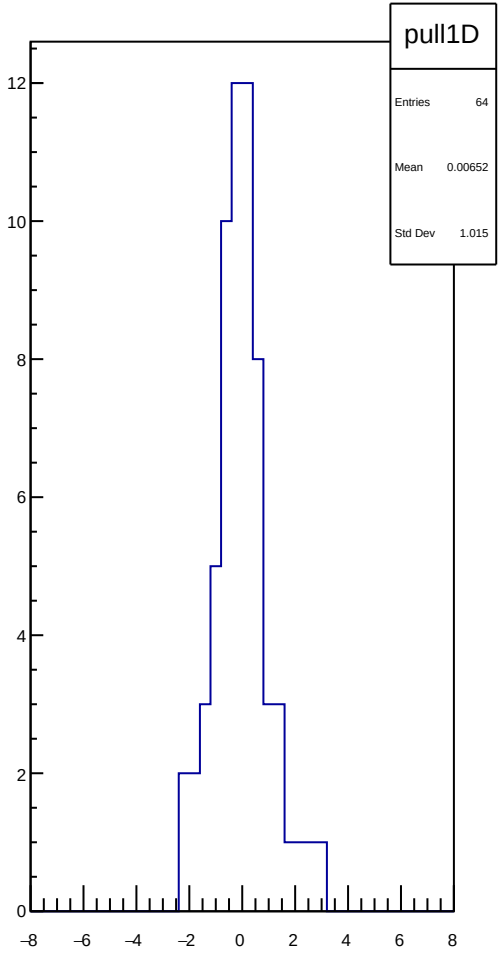

pull1D
Entries 64
Mean 0.00652
Std Dev 1.015

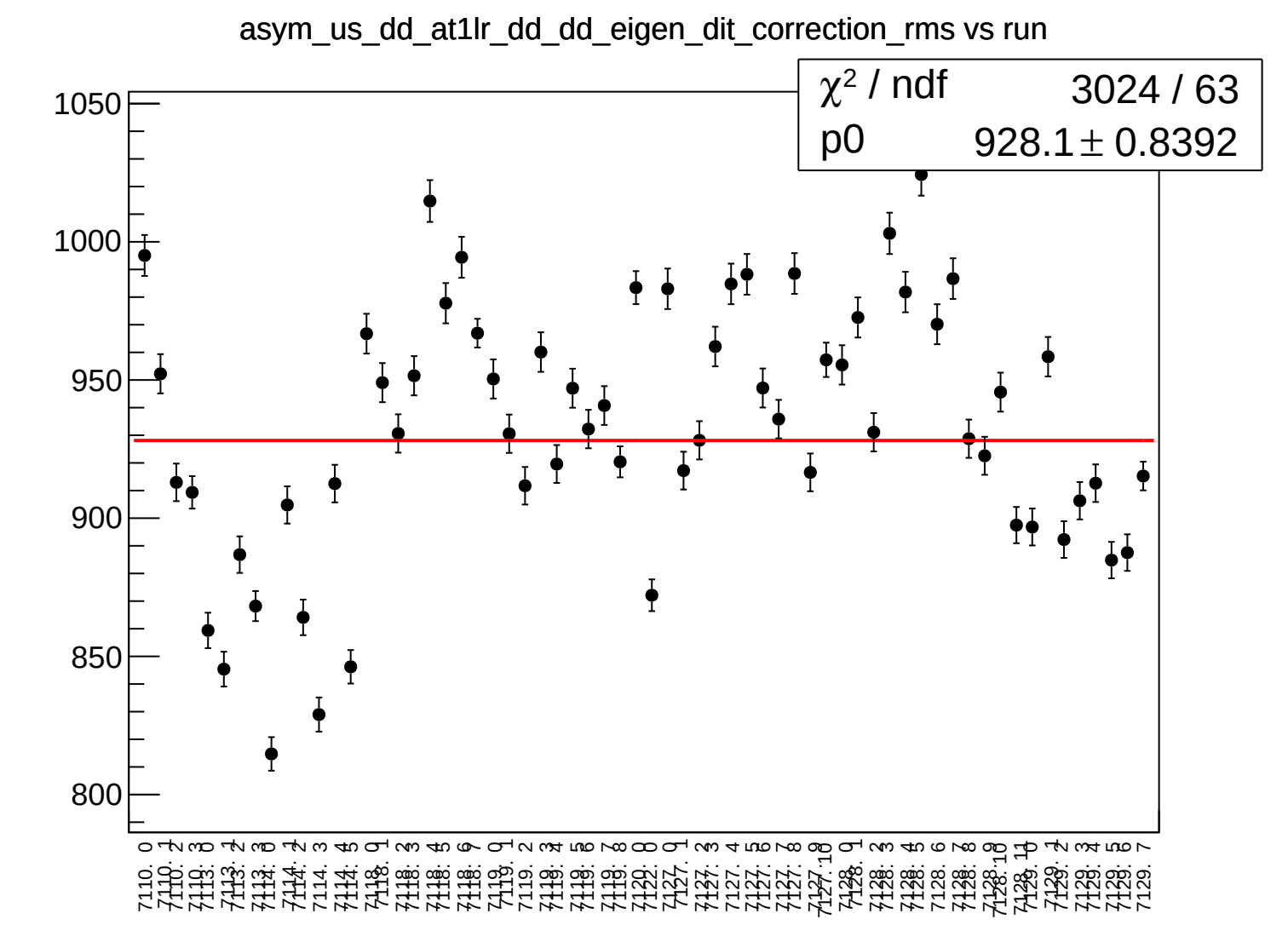

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3024 / 63
p0 928.1 ± 0.8392
1050
1000
950
900
850
800

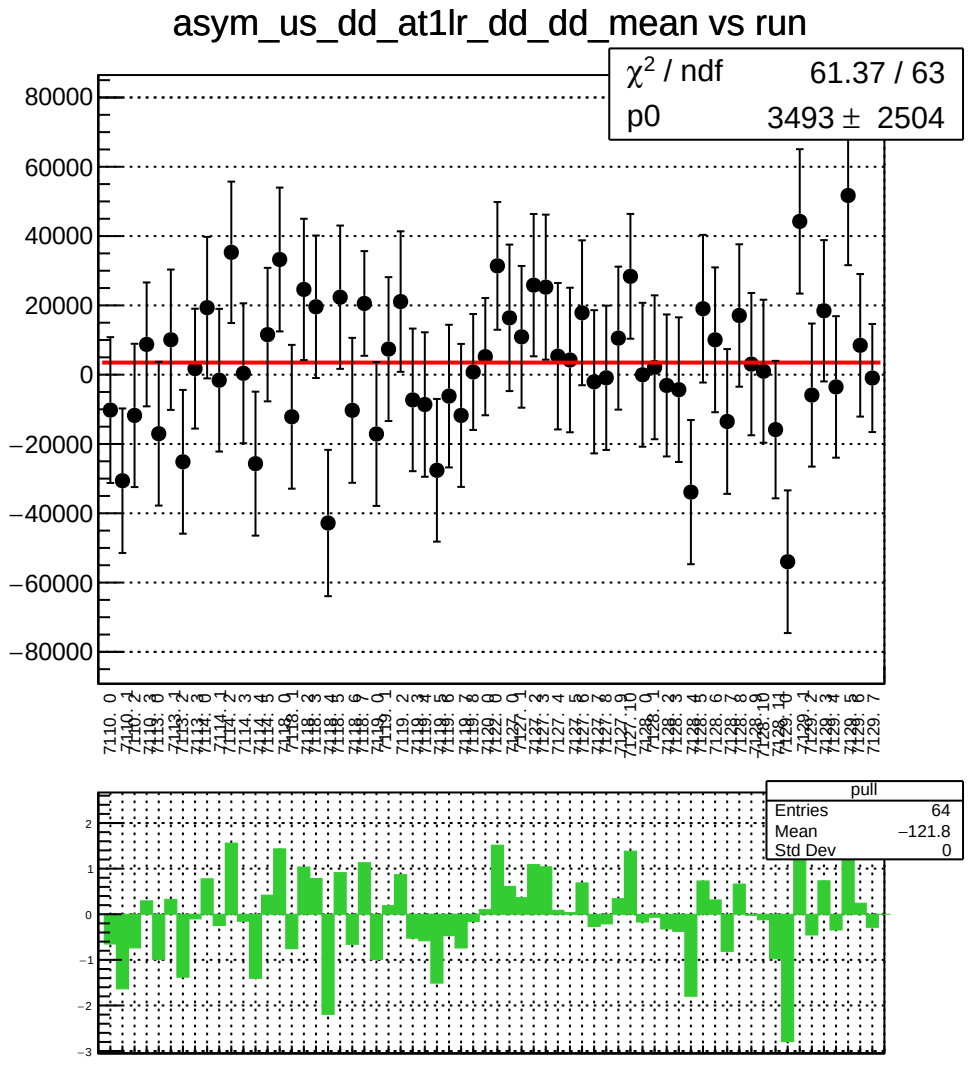

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 74.68 / 63
p0 951.8 ± 2215
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 64
Mean 127.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 64
Mean −0.007771
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

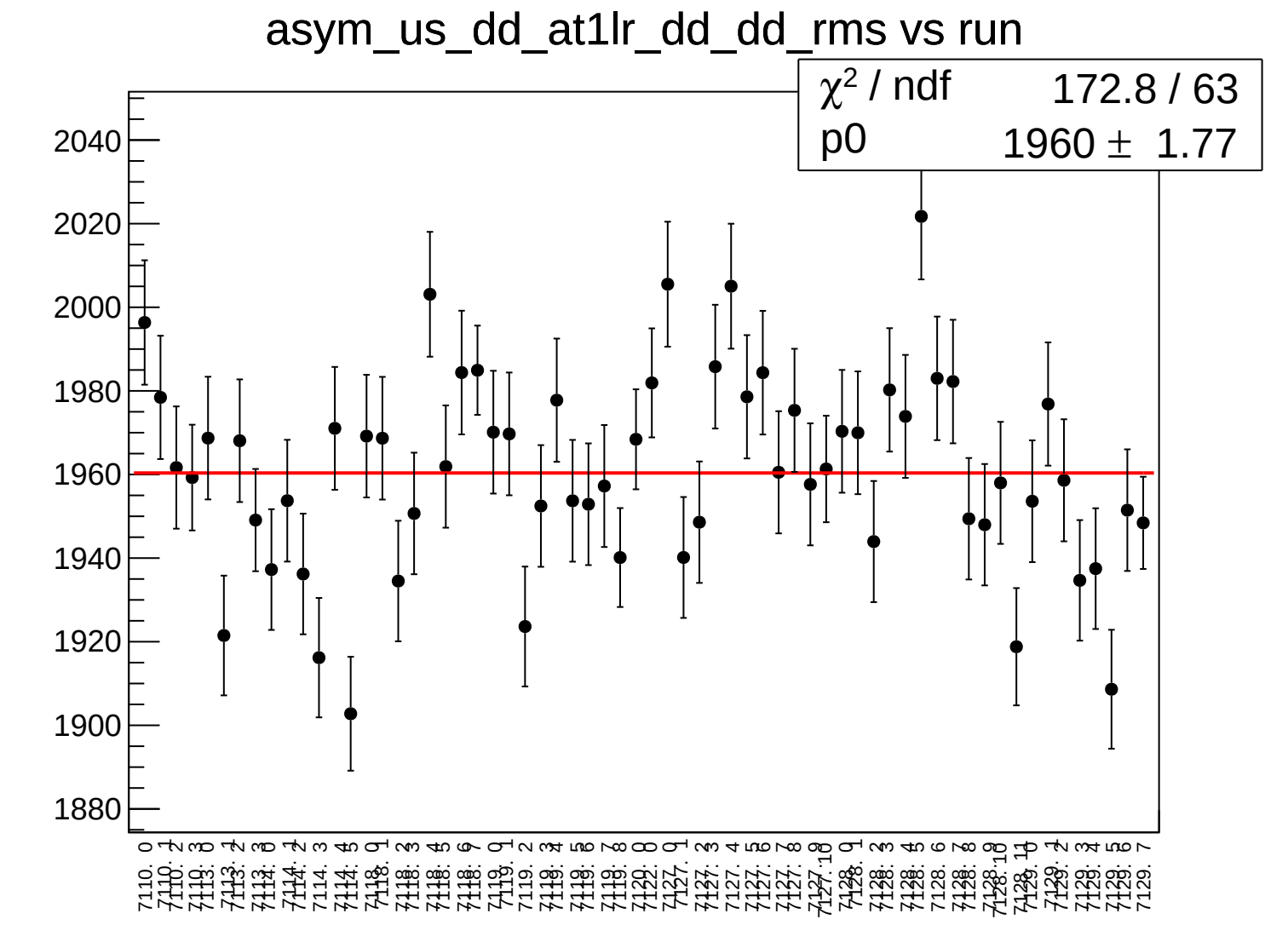

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 125.9 / 63
p0 1734 ± 1.566
1820
1800
1780
1760
1740
1720
1700
1680

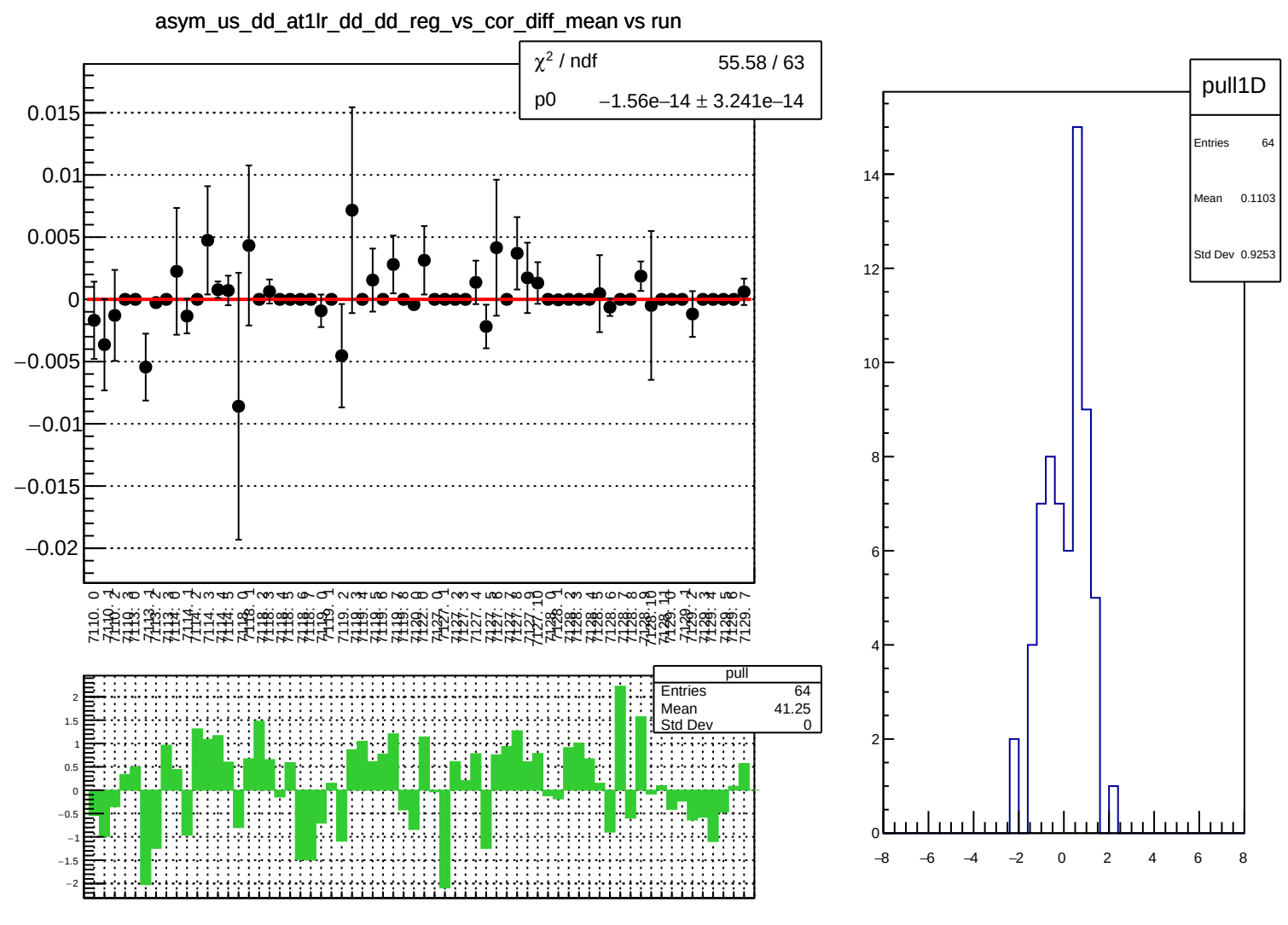

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.96 / 63
p0 −2387 ± 1187
pull
Entries 64
Mean −892.3
Std Dev 0

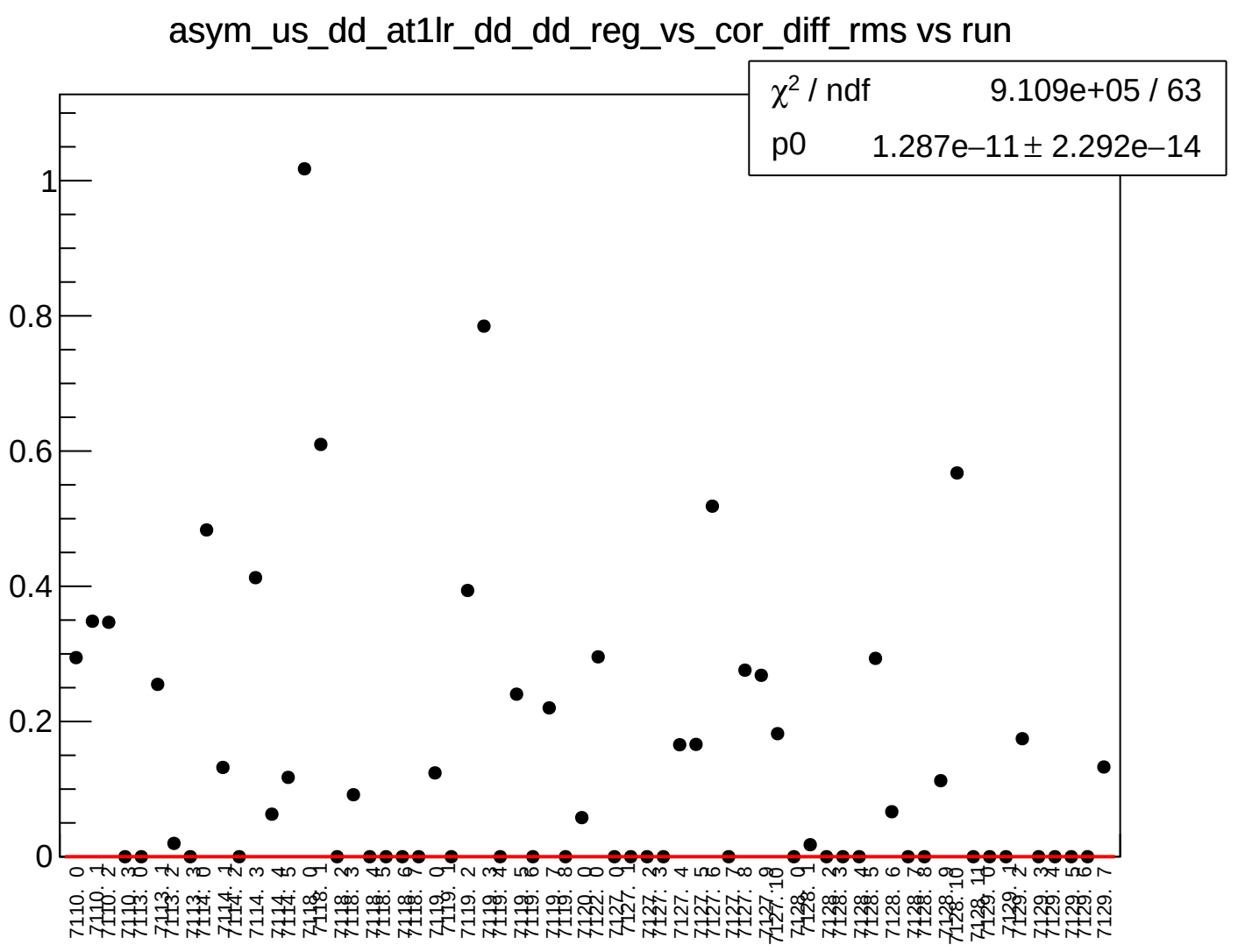

pull1D
Entries 64
Mean 0.00652
Std Dev 1.015

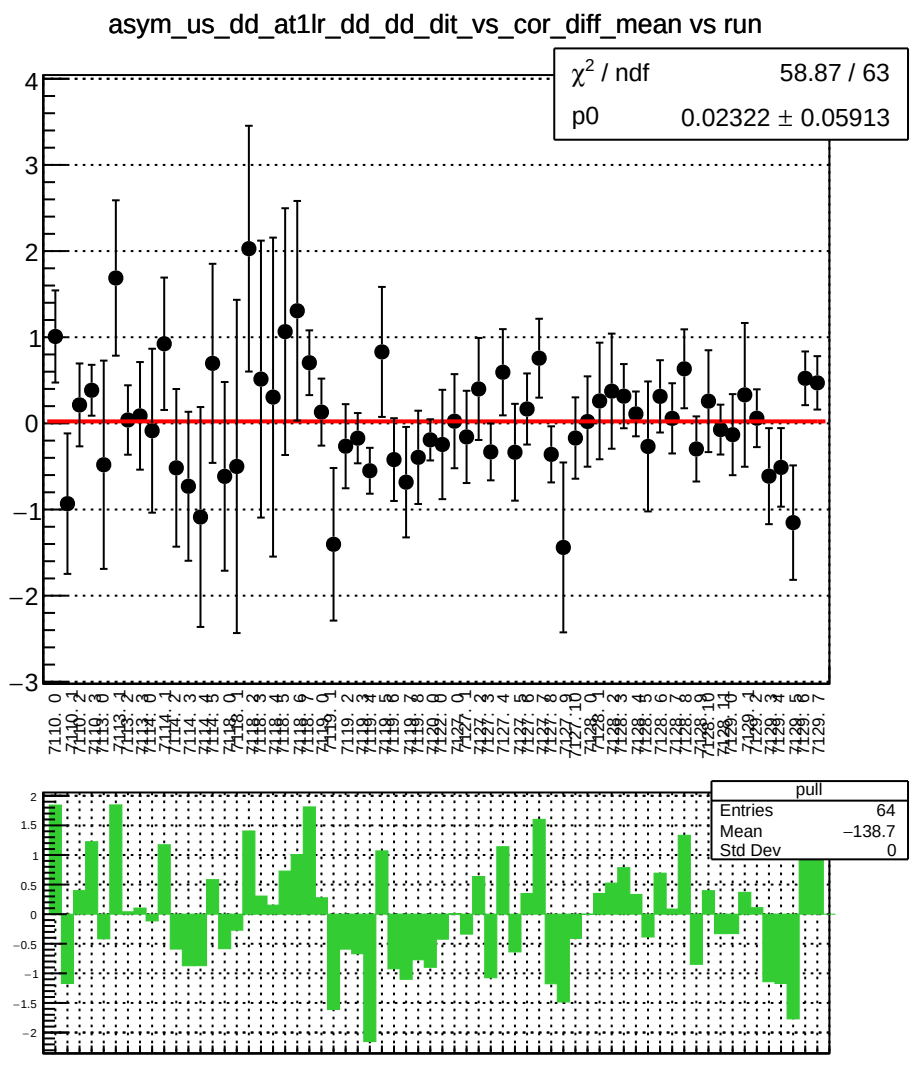

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3024 / 63
p0 928.1 ± 0.8392
1050
1000
950
900
850
800

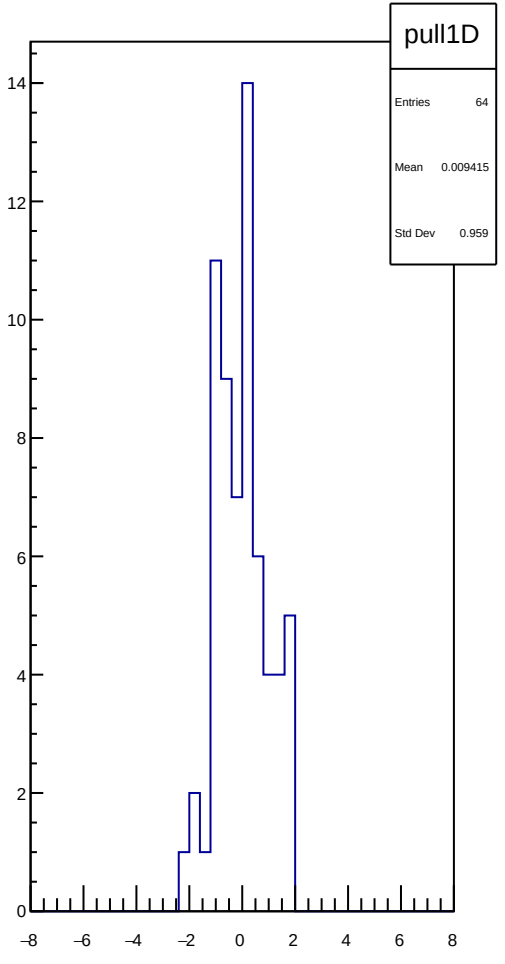

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 61.37 / 63
p0 3493 ± 2504
pull
Entries 64
Mean −121.8
Std Dev 0
pull1D
Entries 64
Mean −0.01391
Std Dev 0.9791

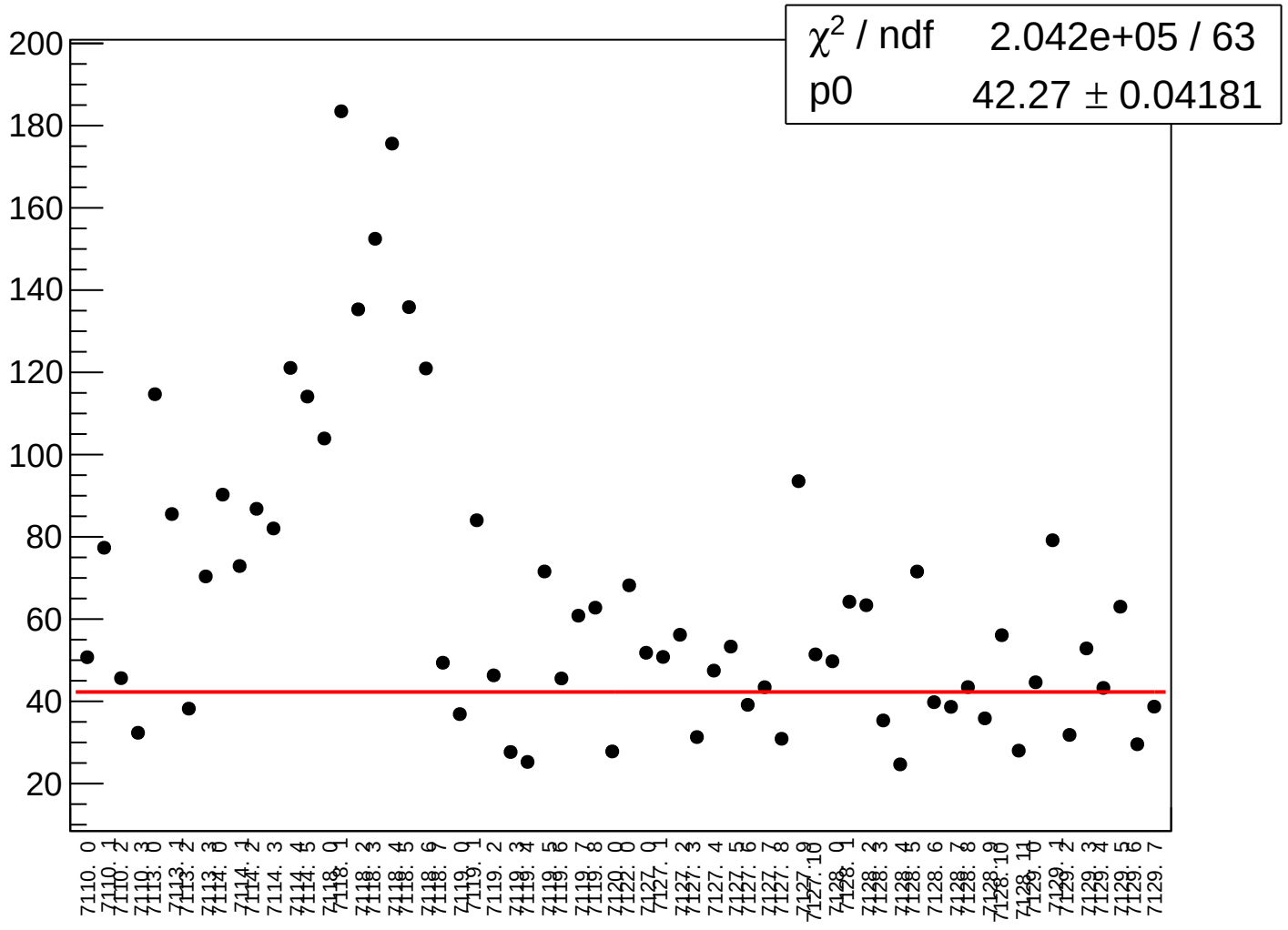

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 172.8 / 63
p0 1960 ± 1.77
2040
2020
2000
1980
1960
1940
1920
1900
1880

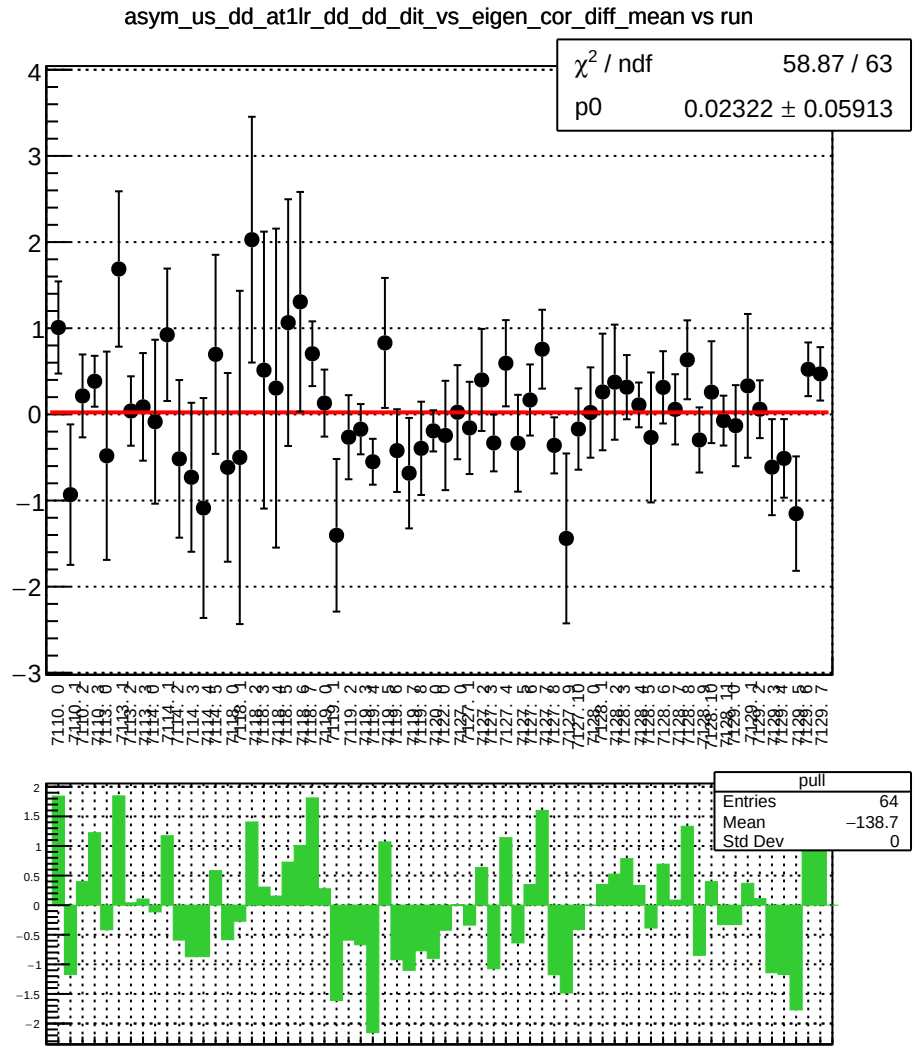

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.58 / 63
p0 −1.56e−14 ± 3.241e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 64
Mean 41.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean 0.1103
Std Dev 0.9253
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

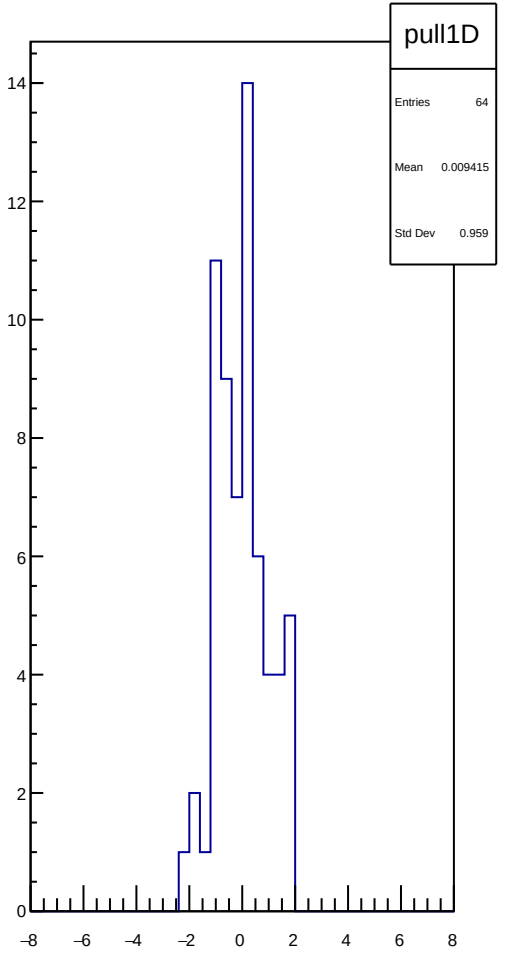

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.109e+05 / 63
p0 1.287e−11 ± 2.292e−14
1
0.8
0.6
0.4
0.2
0

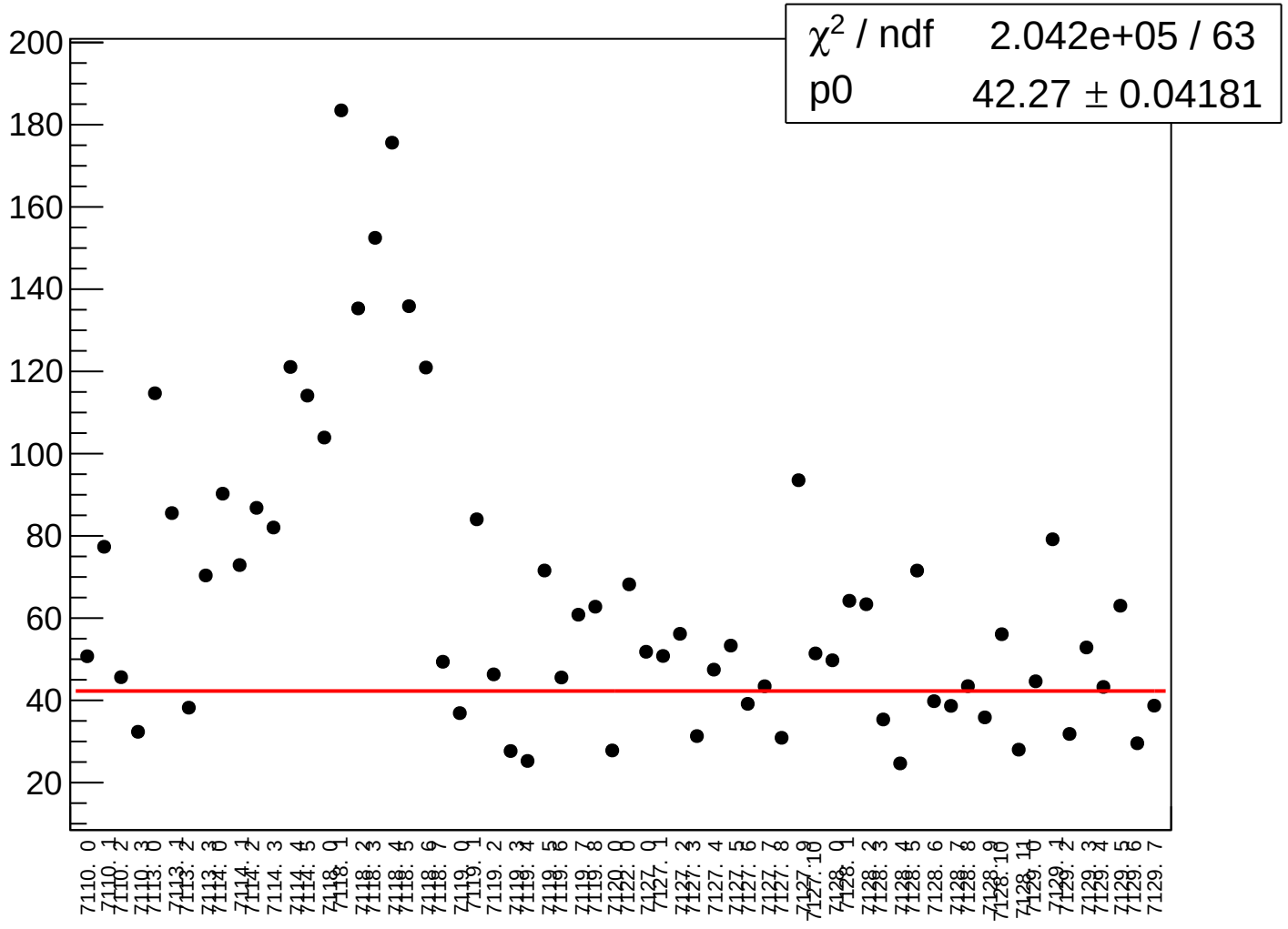

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.87 / 63
p0 0.02322 ± 0.05913
pull
Entries 64
Mean −138.7
Std Dev 0

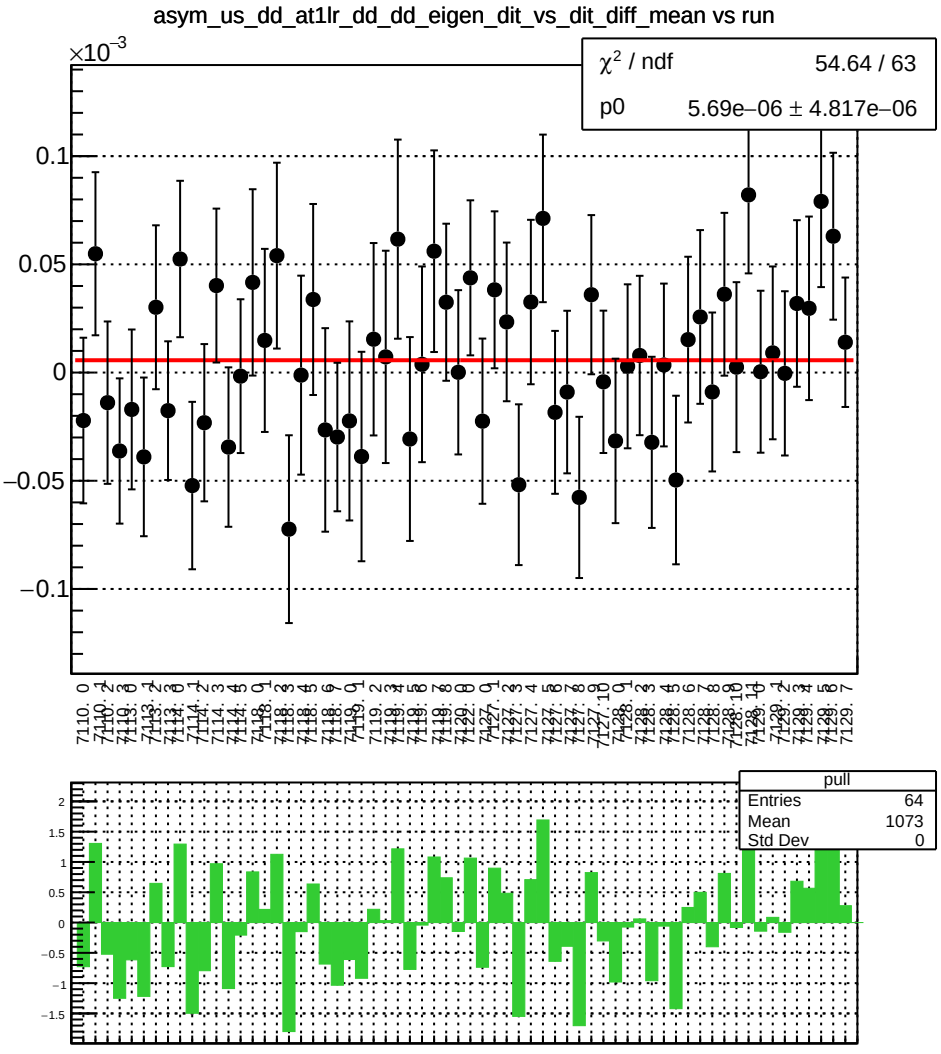

pull1D
Entries 64
Mean 0.009415
Std Dev 0.959

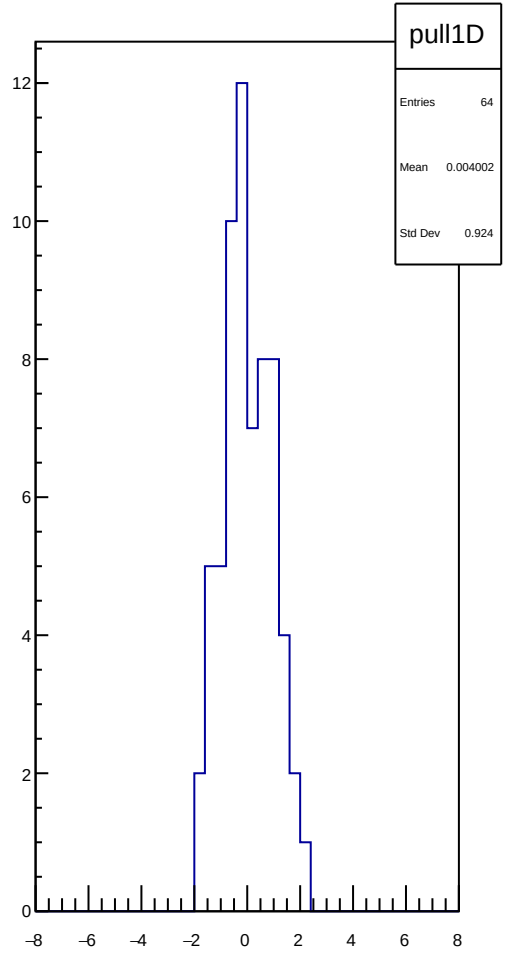

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.042e+05 / 63
p0 42.27 ± 0.04181
200
180
160
140
120
100
80
60
40
20

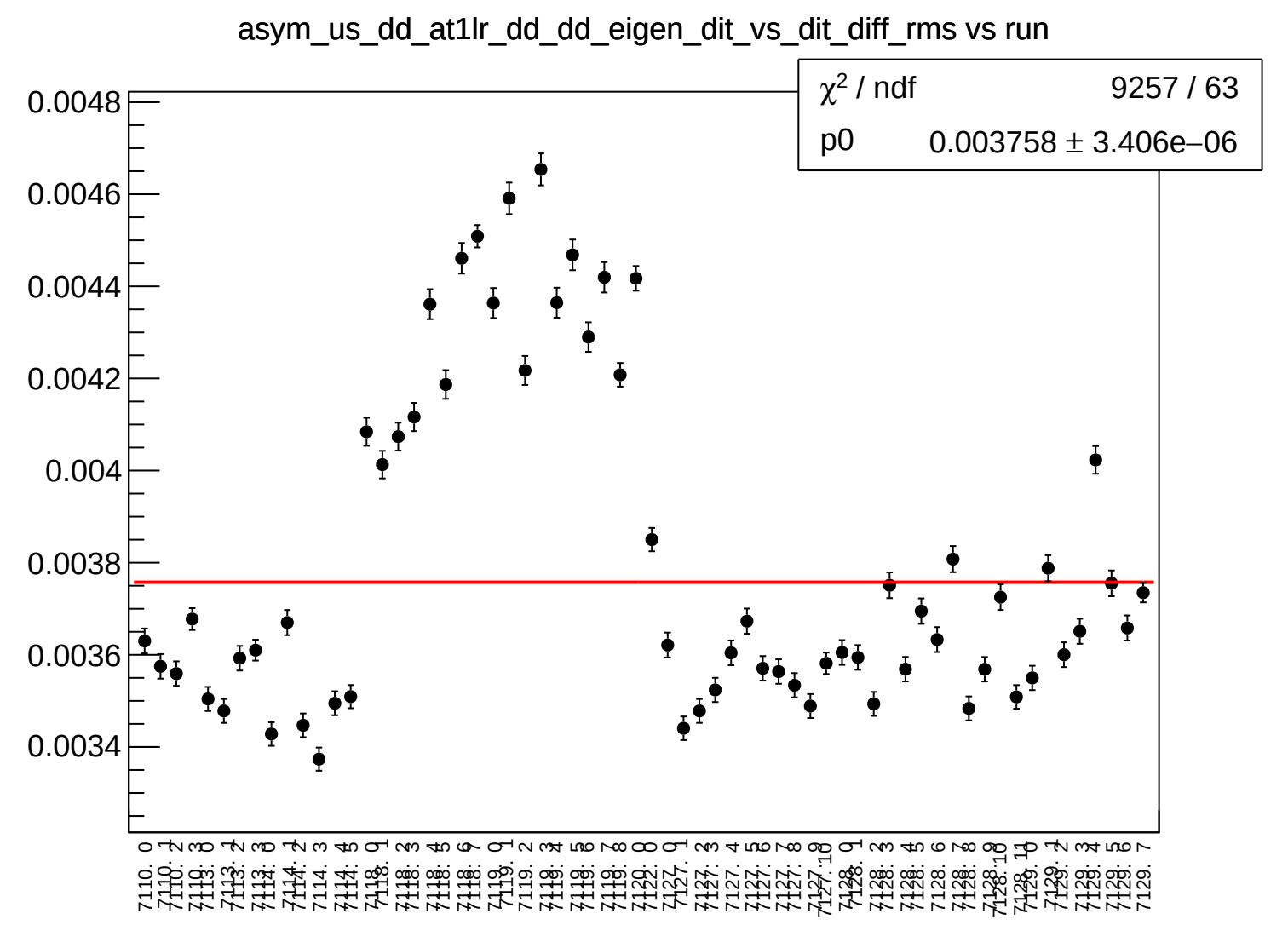

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.87 / 63
p0 0.02322 ± 0.05913
pull
Entries 64
Mean −138.7
Std Dev 0

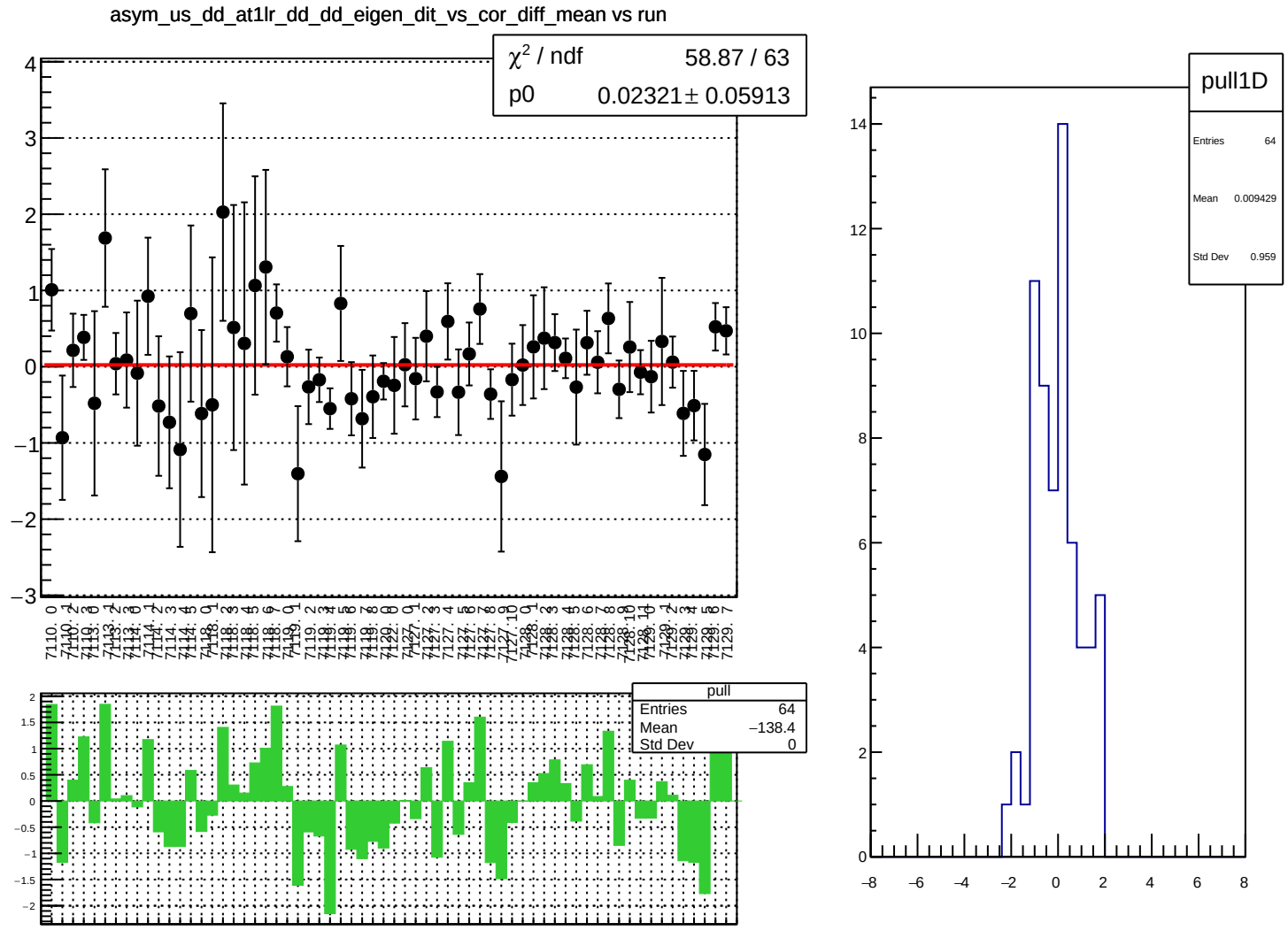

pull1D
Entries 64
Mean 0.009415
Std Dev 0.959

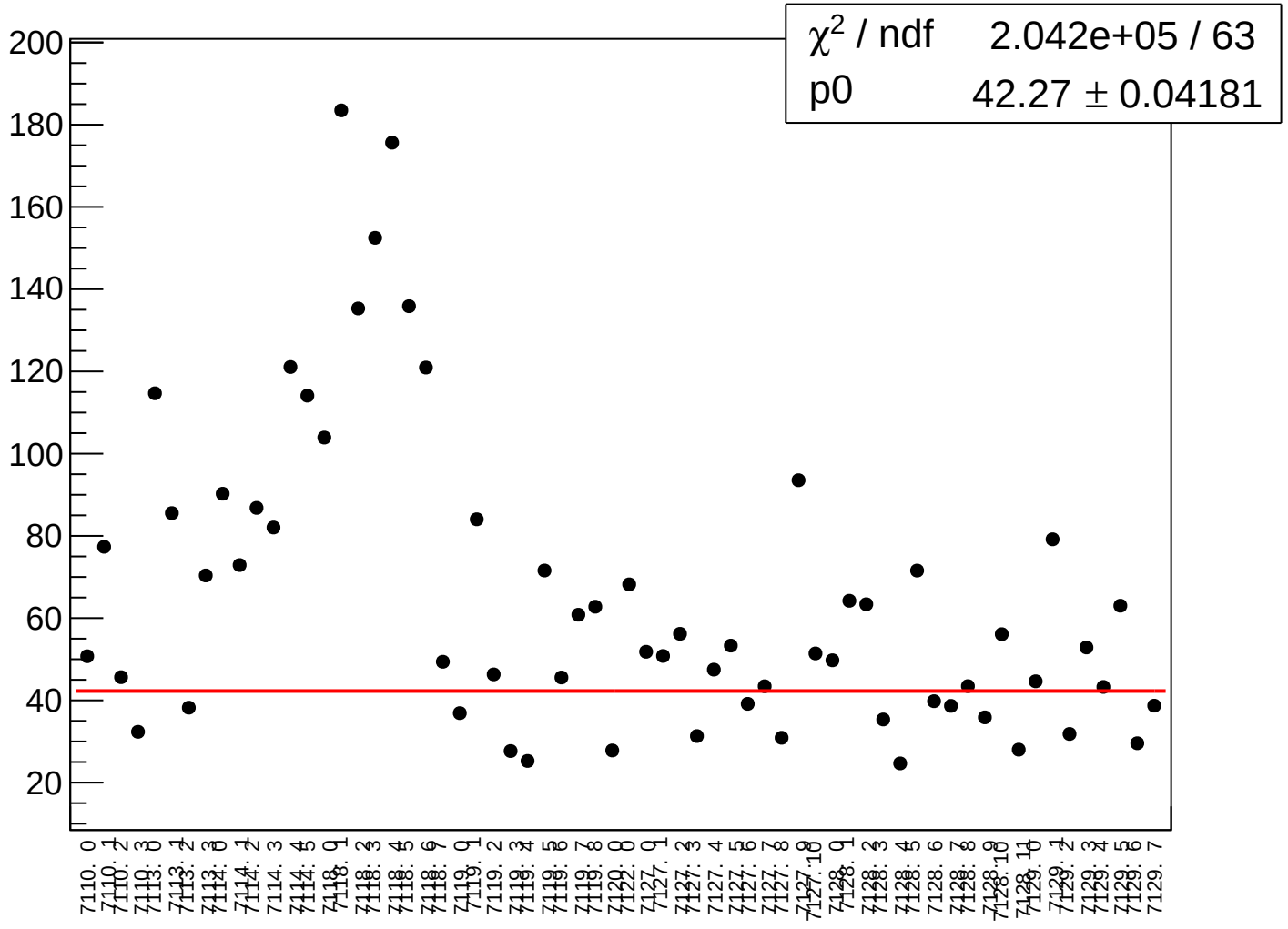

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.042e+05 / 63
p0 42.27 ± 0.04181
200
180
160
140
120
100
80
60
40
20

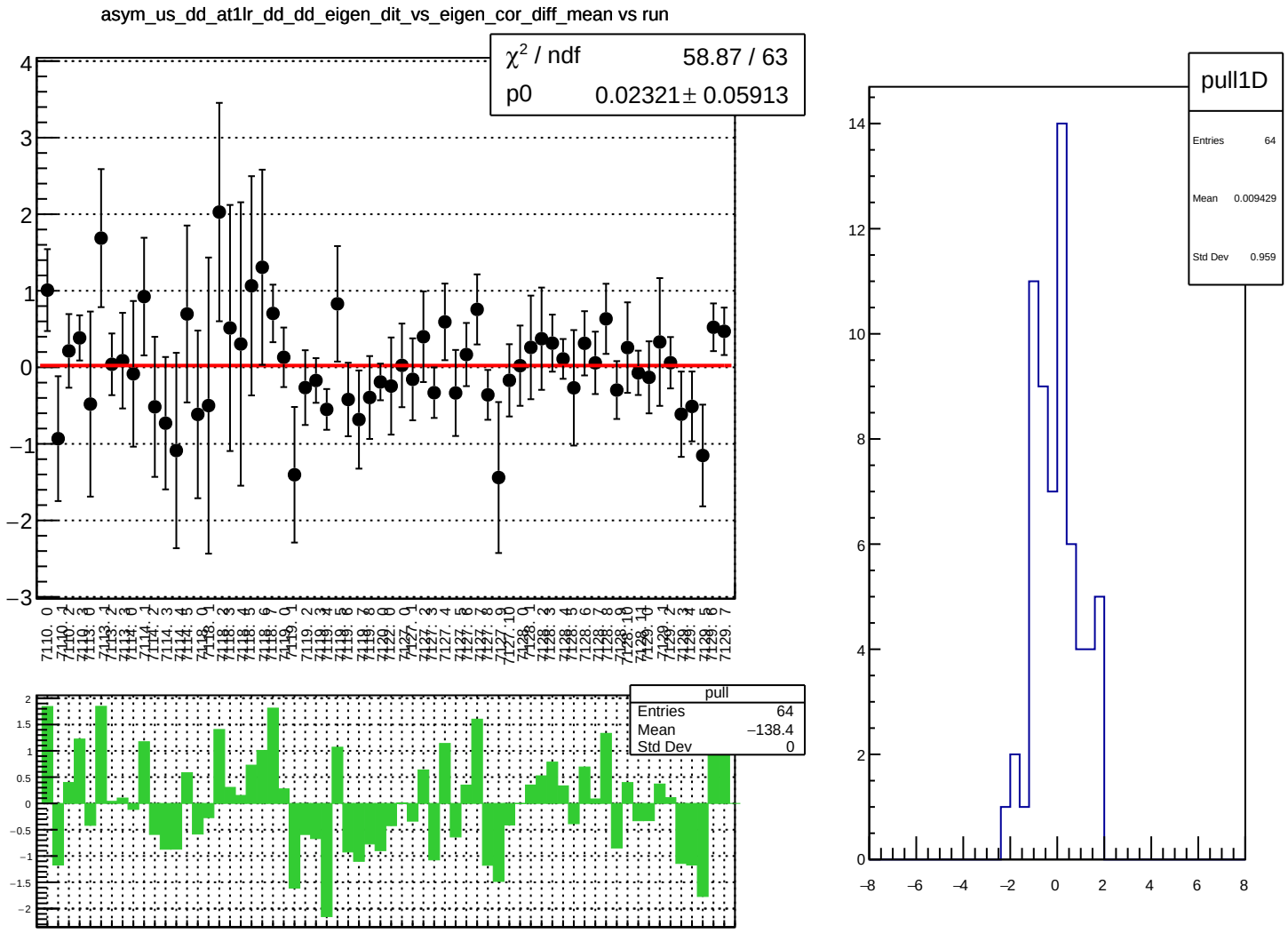

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.64 / 63
p0 5.69e−06 ± 4.817e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 64
Mean 1073
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

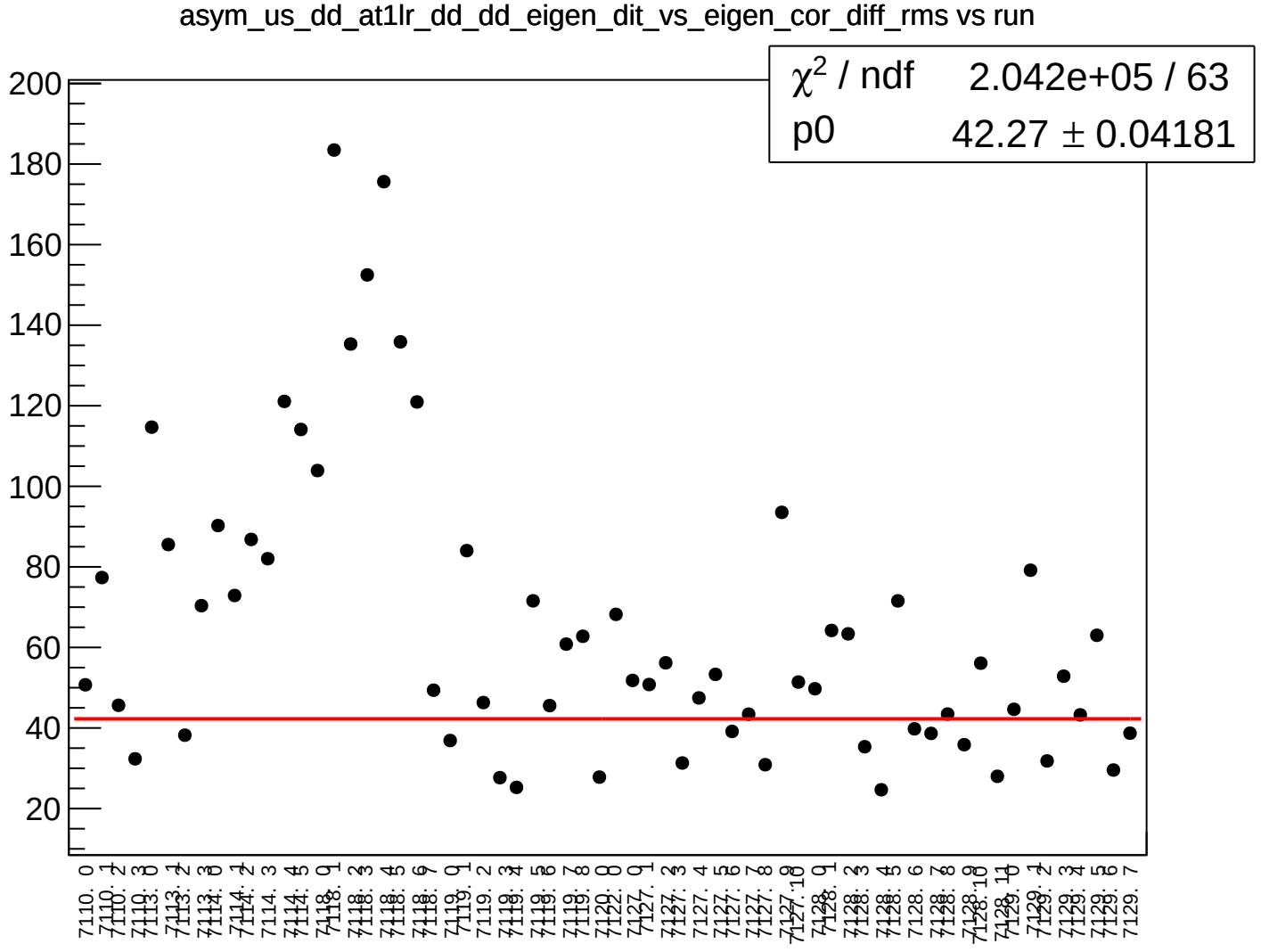

pull1D
Entries 64
Mean 0.004002
Std Dev 0.924
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

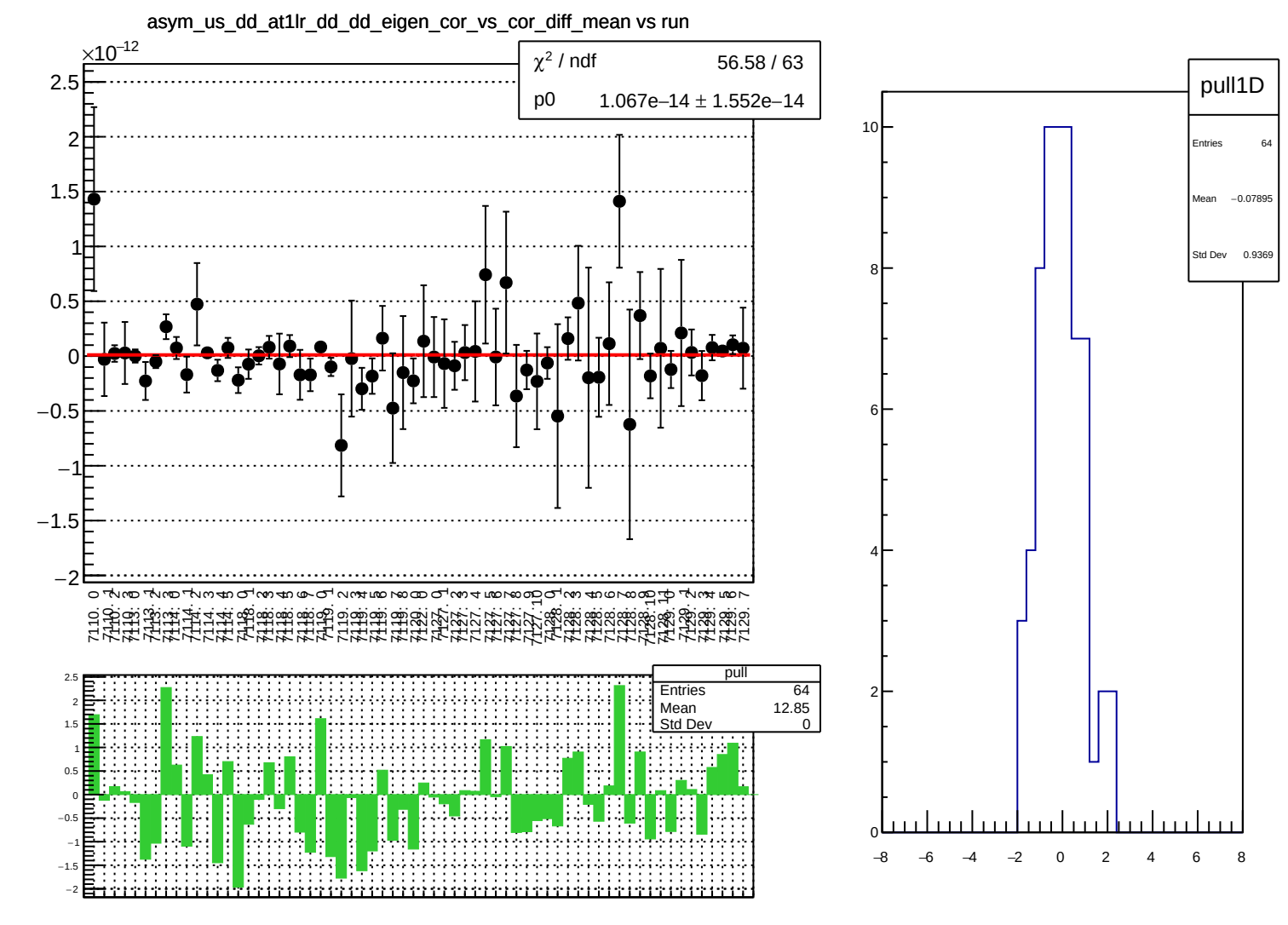

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9257 / 63
p0 0.003758 ± 3.406e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

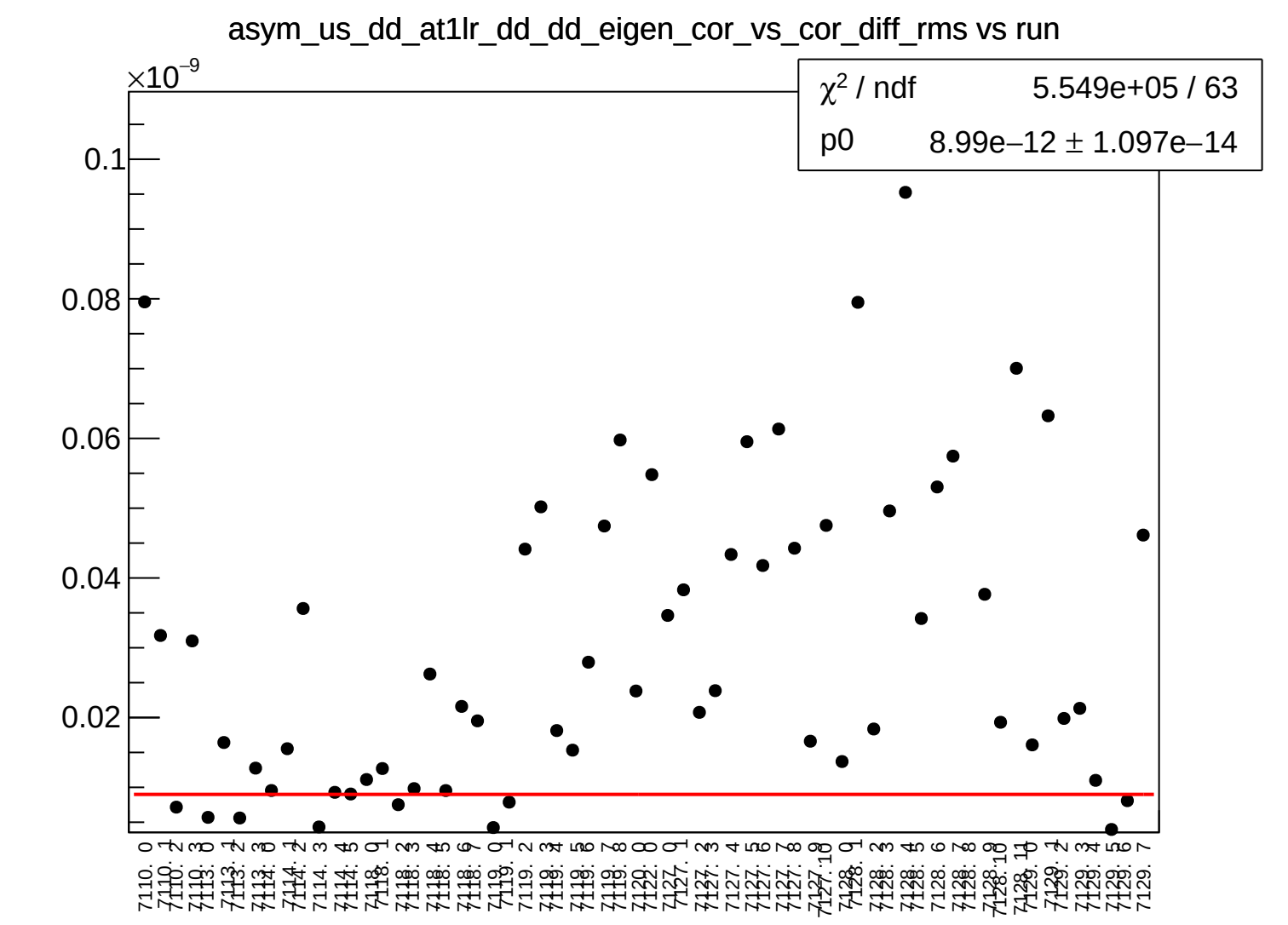

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.87 / 63
p0 0.02321 ± 0.05913
pull
Entries 64
Mean −138.4
Std Dev 0
pull1D
Entries 64
Mean 0.009429
Std Dev 0.959

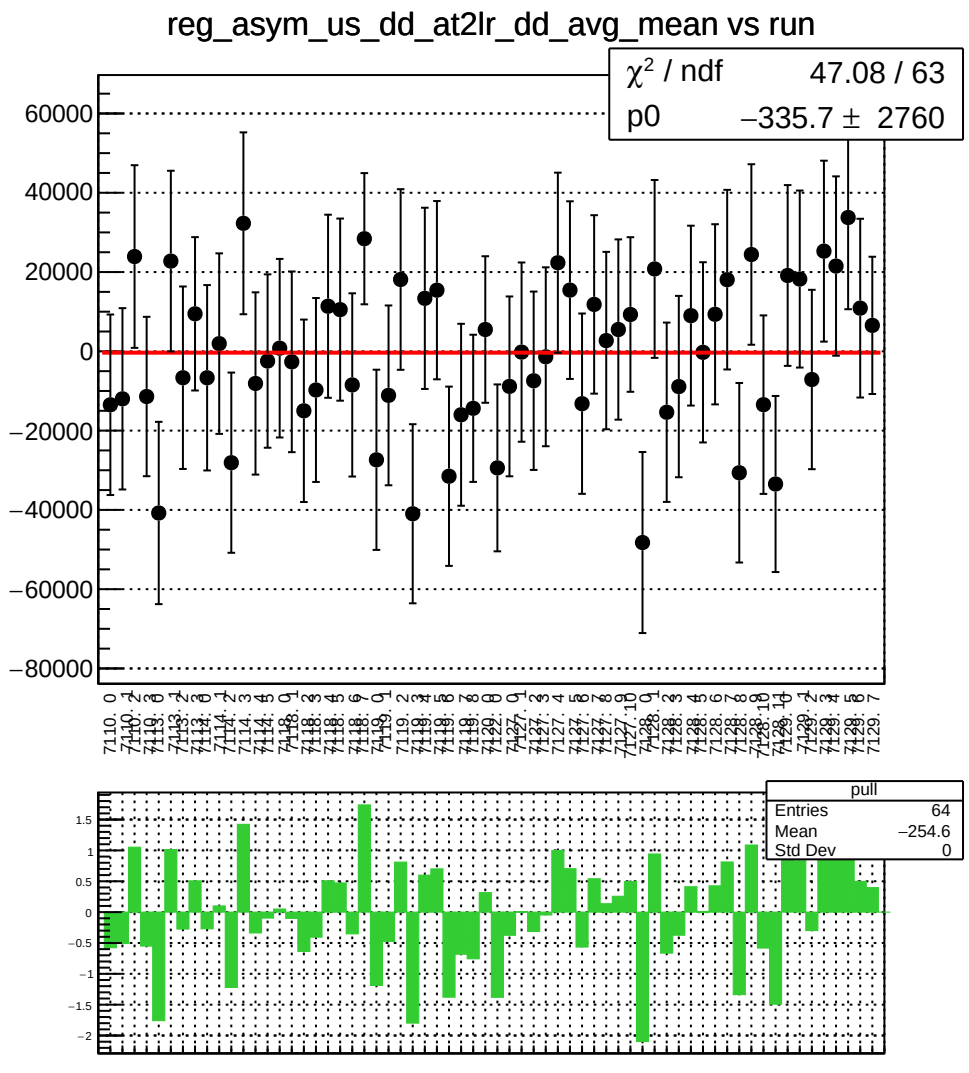

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 2.042e+05 / 63
p0 42.27 ± 0.04181
200
180
160
140
120
100
80
60
40
20

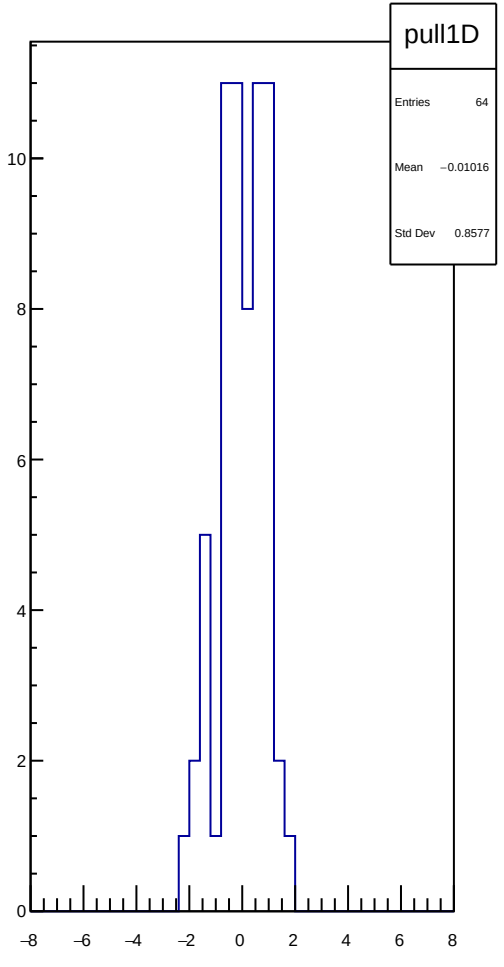

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.87 / 63
p0 0.02321 ± 0.05913
pull
Entries 64
Mean −138.4
Std Dev 0
pull1D
Entries 64
Mean 0.009429
Std Dev 0.959

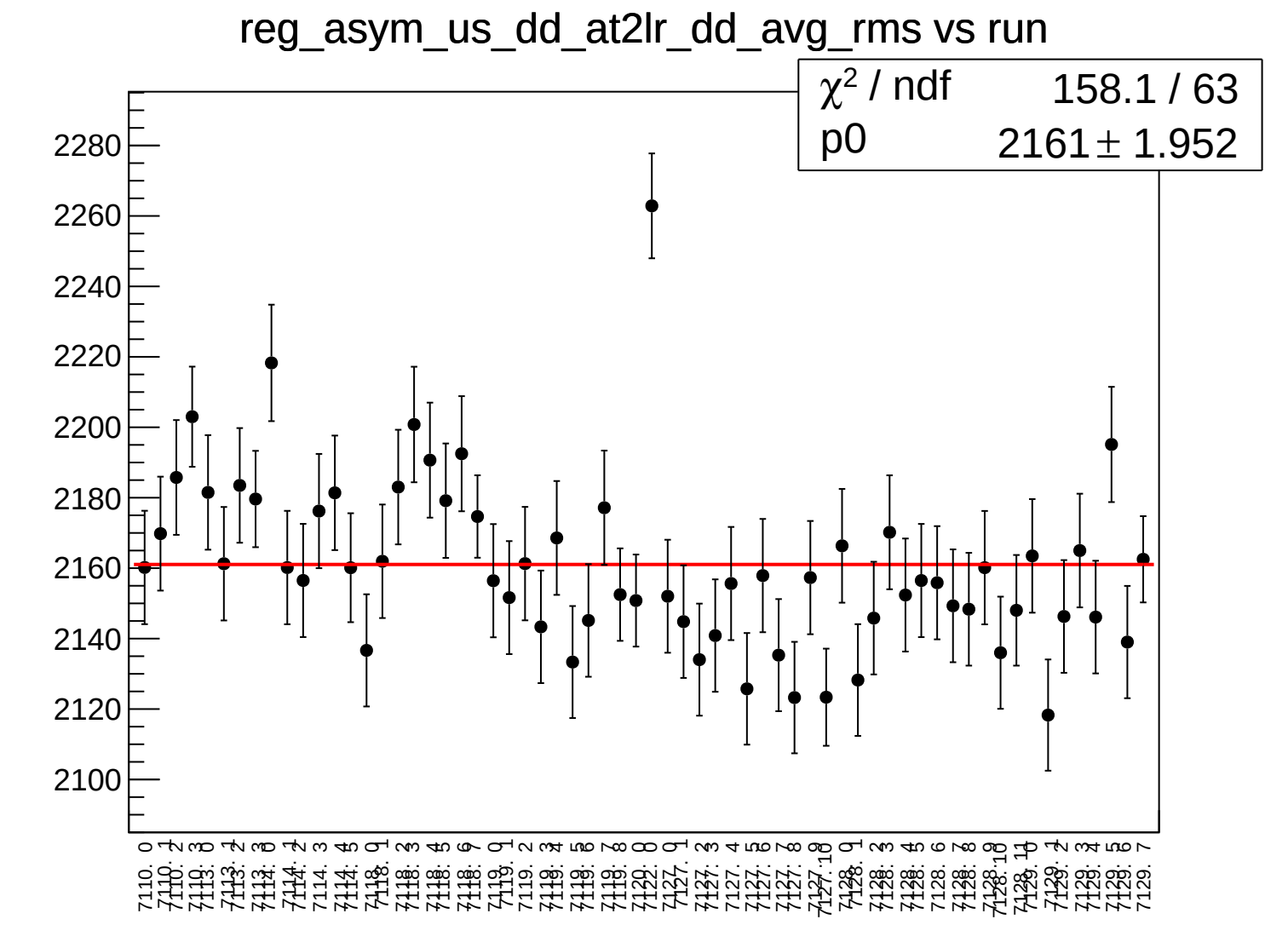

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 2.042e+05 / 63
p0 42.27 ± 0.04181
200
180
160
140
120
100
80
60
40
20

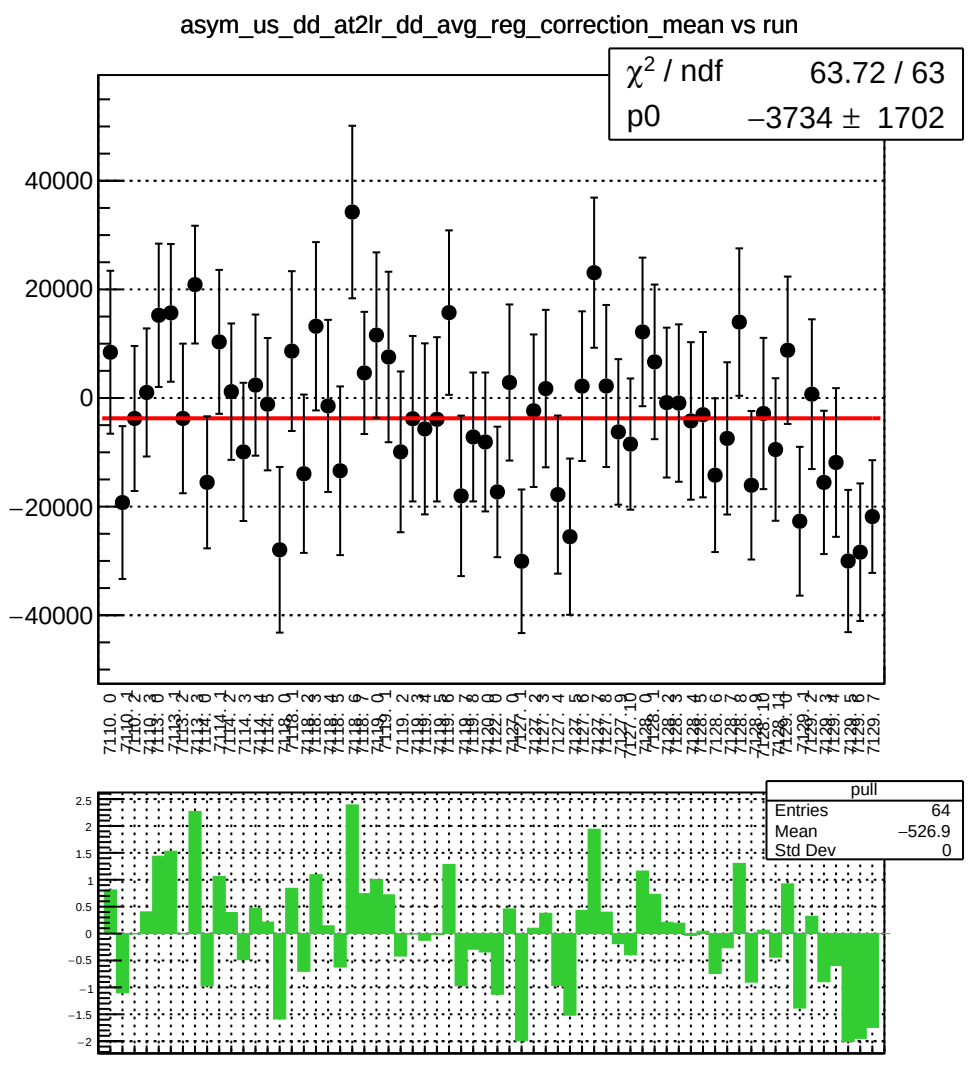

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.58 / 63
p0 1.067e−14 ± 1.552e−14
pull
Entries 64
Mean 12.85
Std Dev 0
pull1D
Entries 64
Mean −0.07895
Std Dev 0.9369

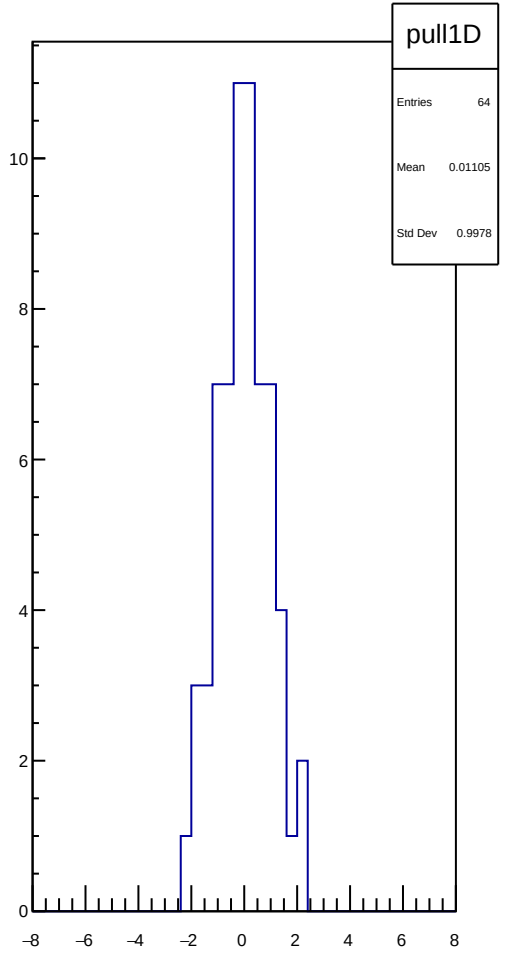

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.549e+05 / 63
p0 8.99e−12 ± 1.097e−14
0.1
0.08
0.06
0.04
0.02

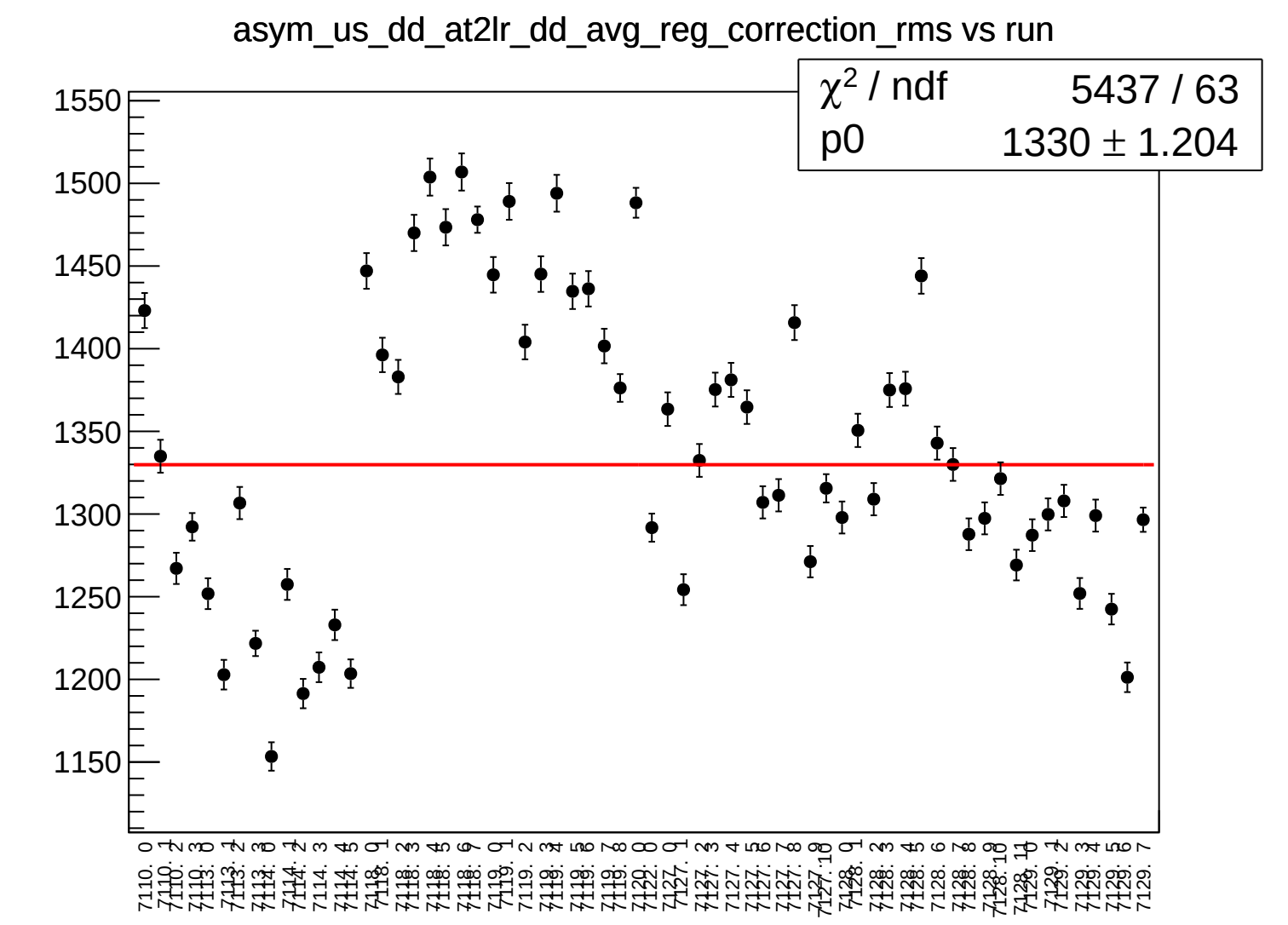

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 47.08 / 63
p0 −335.7 ± 2760
pull
Entries 64
Mean −254.6
Std Dev 0

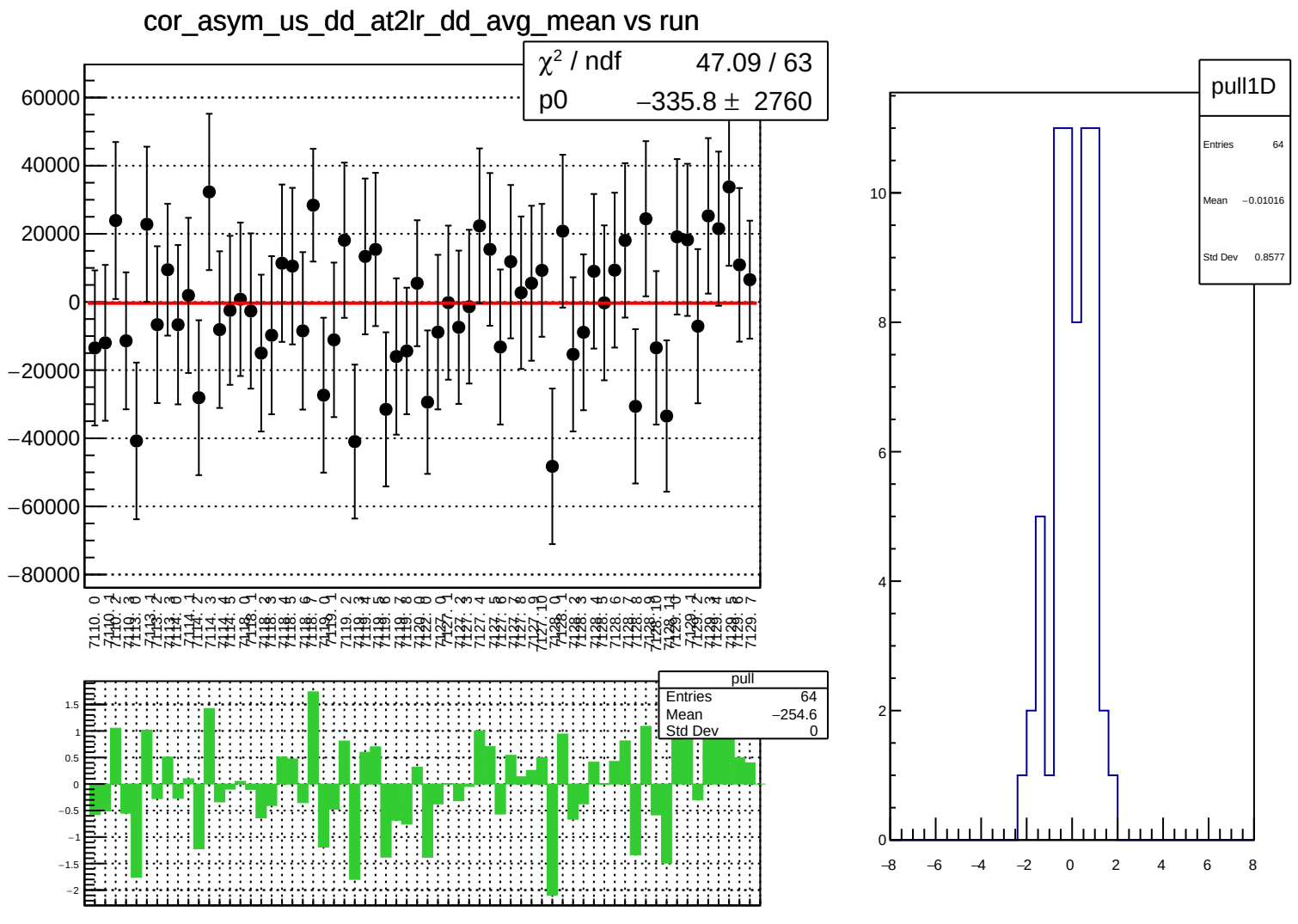

pull1D
Entries 64
Mean −0.01016
Std Dev 0.8577

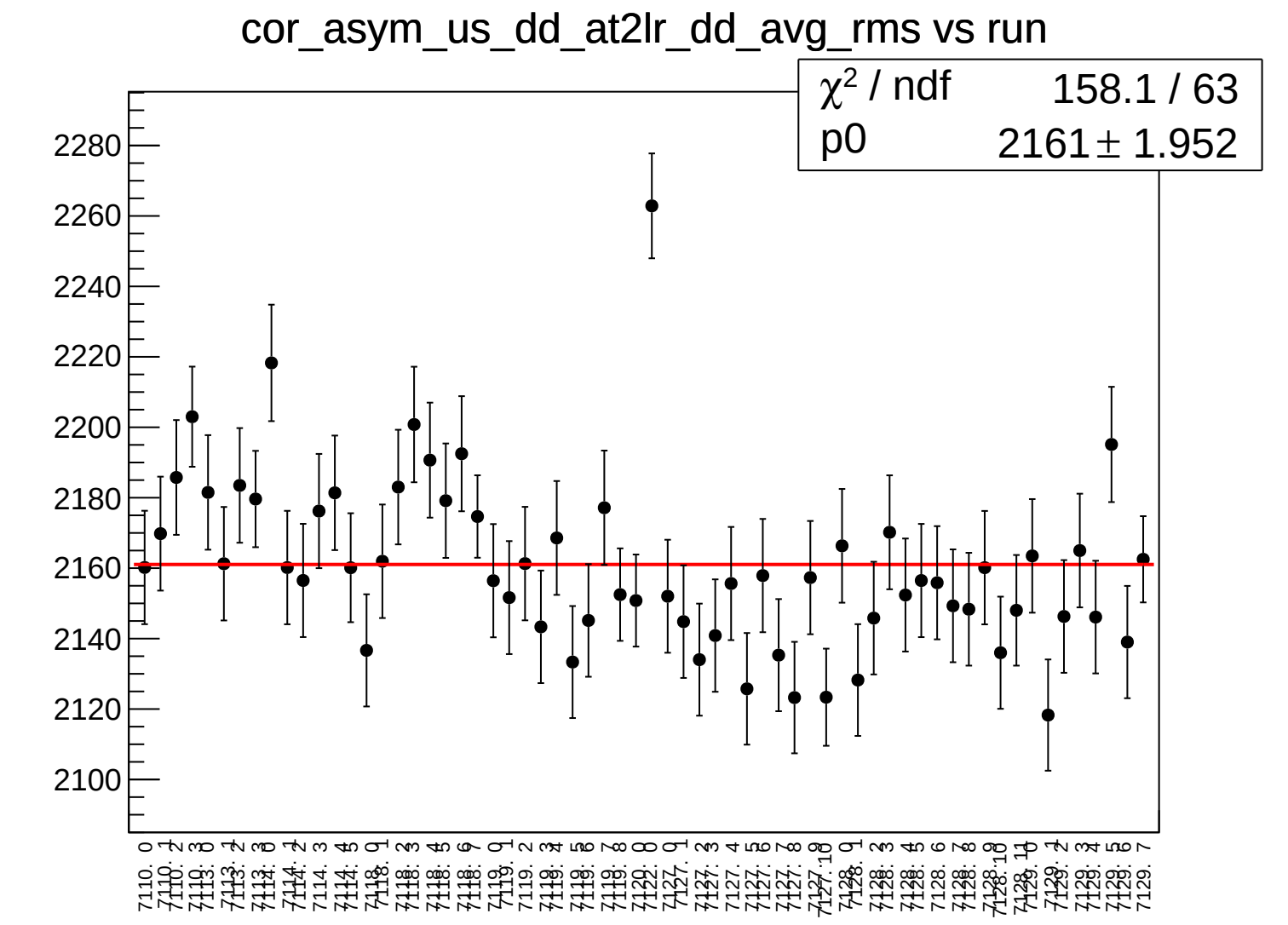

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 158.1 / 63
p0 2161 ± 1.952
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100

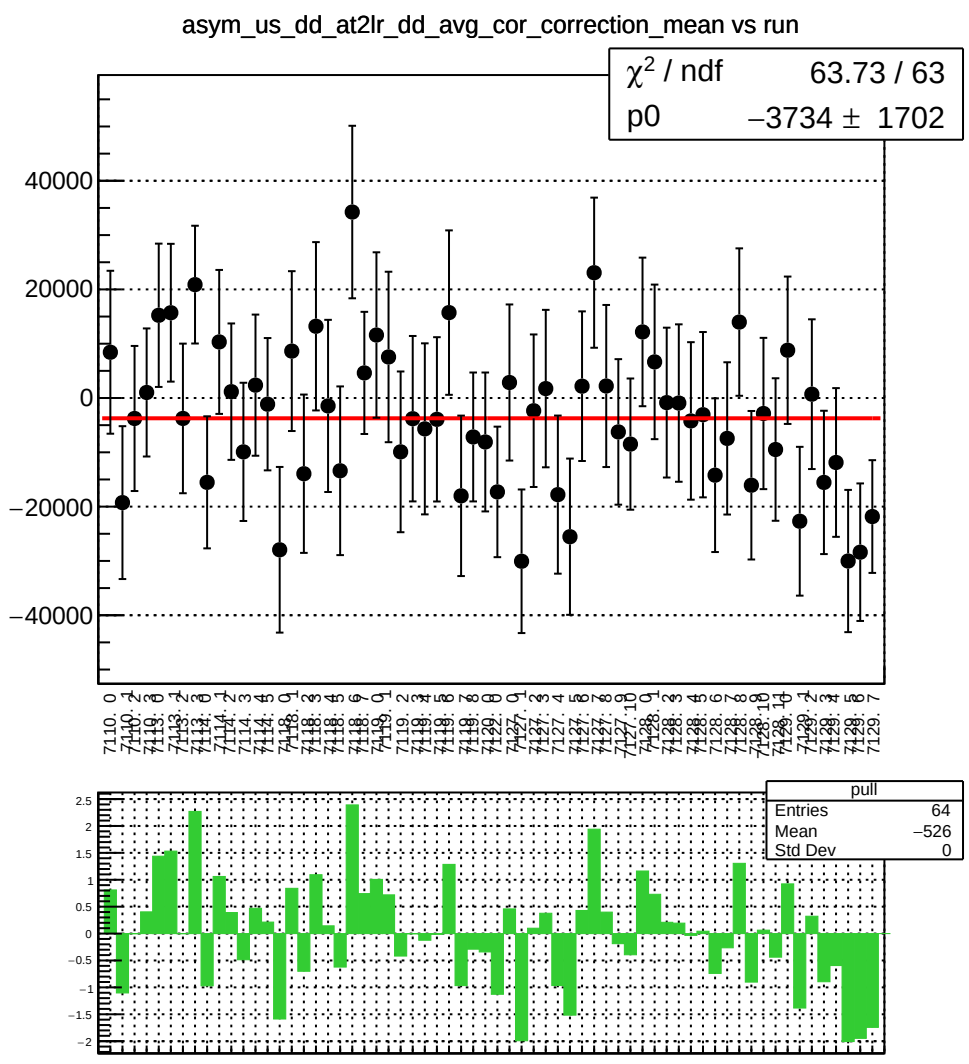

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 63.72 / 63
p0 −3734 ± 1702
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −526.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

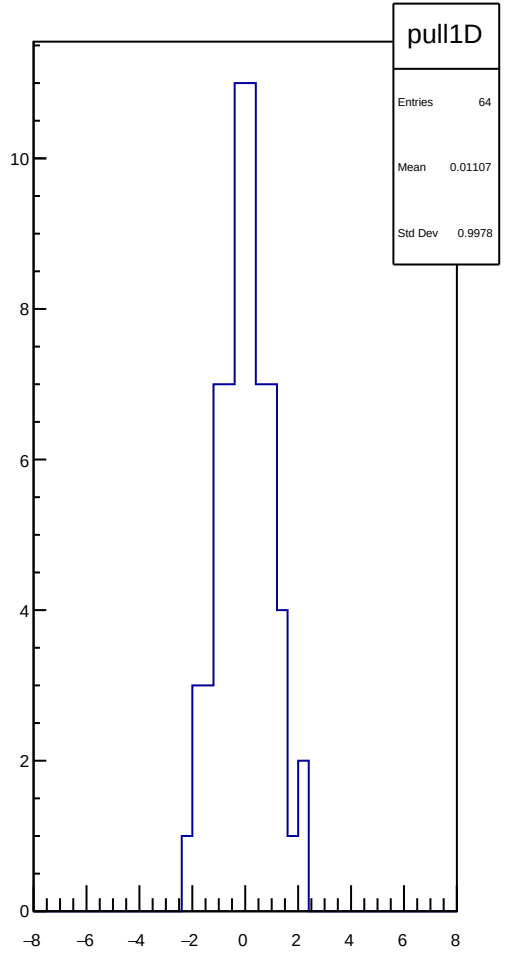

pull1D
Entries 64
Mean 0.01105
Std Dev 0.9978
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

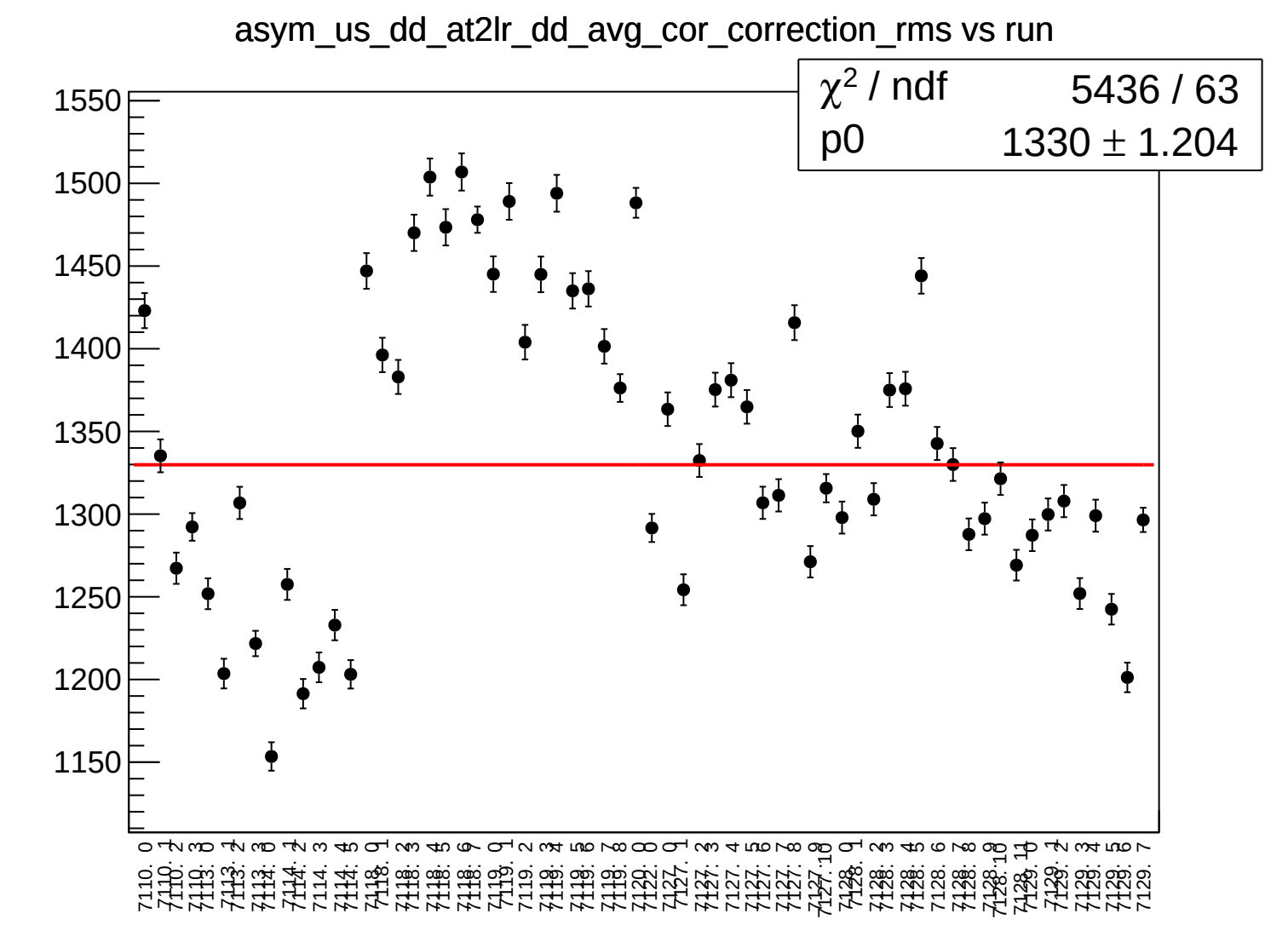

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5437 / 63
p0 1330 ± 1.204
1550
1500
1450
1400
1350
1300
1250
1200
1150

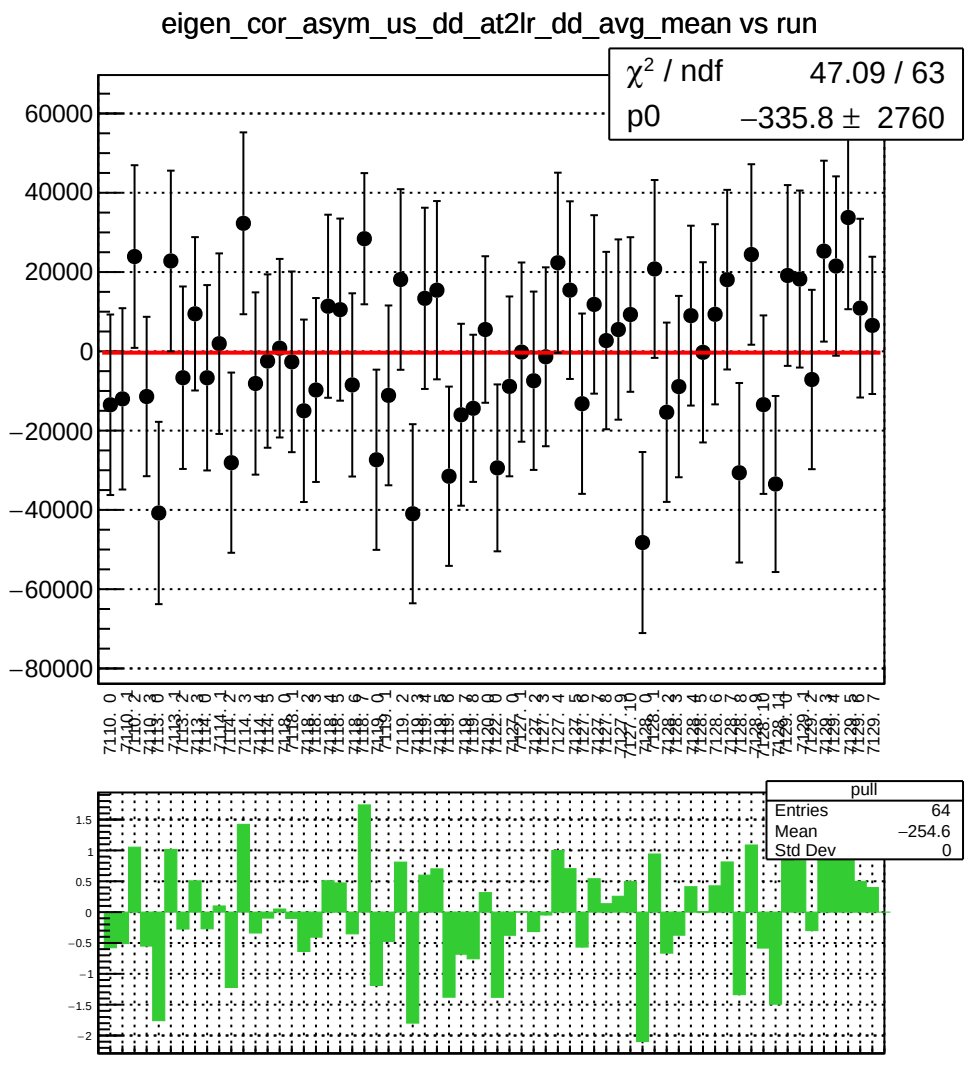

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 47.09 / 63
p0 −335.8 ± 2760
pull
Entries 64
Mean −254.6
Std Dev 0
pull1D
Entries 64
Mean −0.01016
Std Dev 0.8577

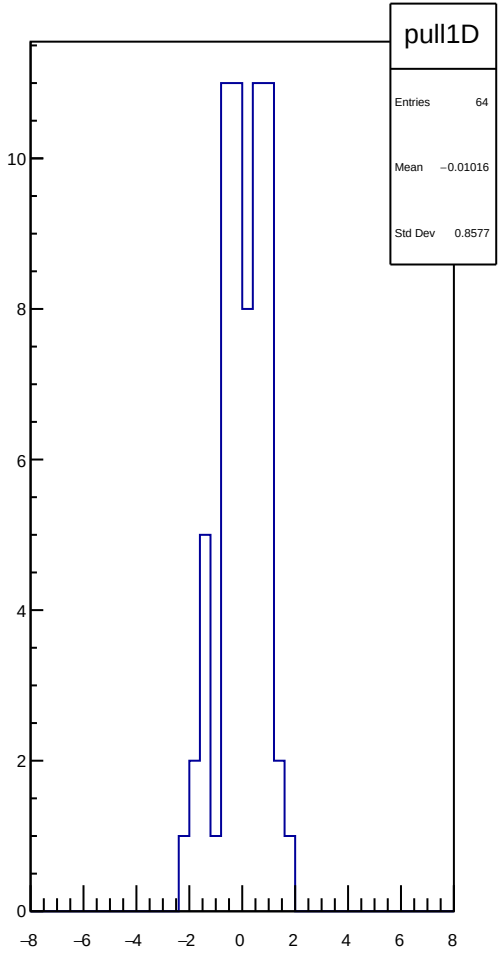

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 158.1 / 63
p0 2161 ± 1.952
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100

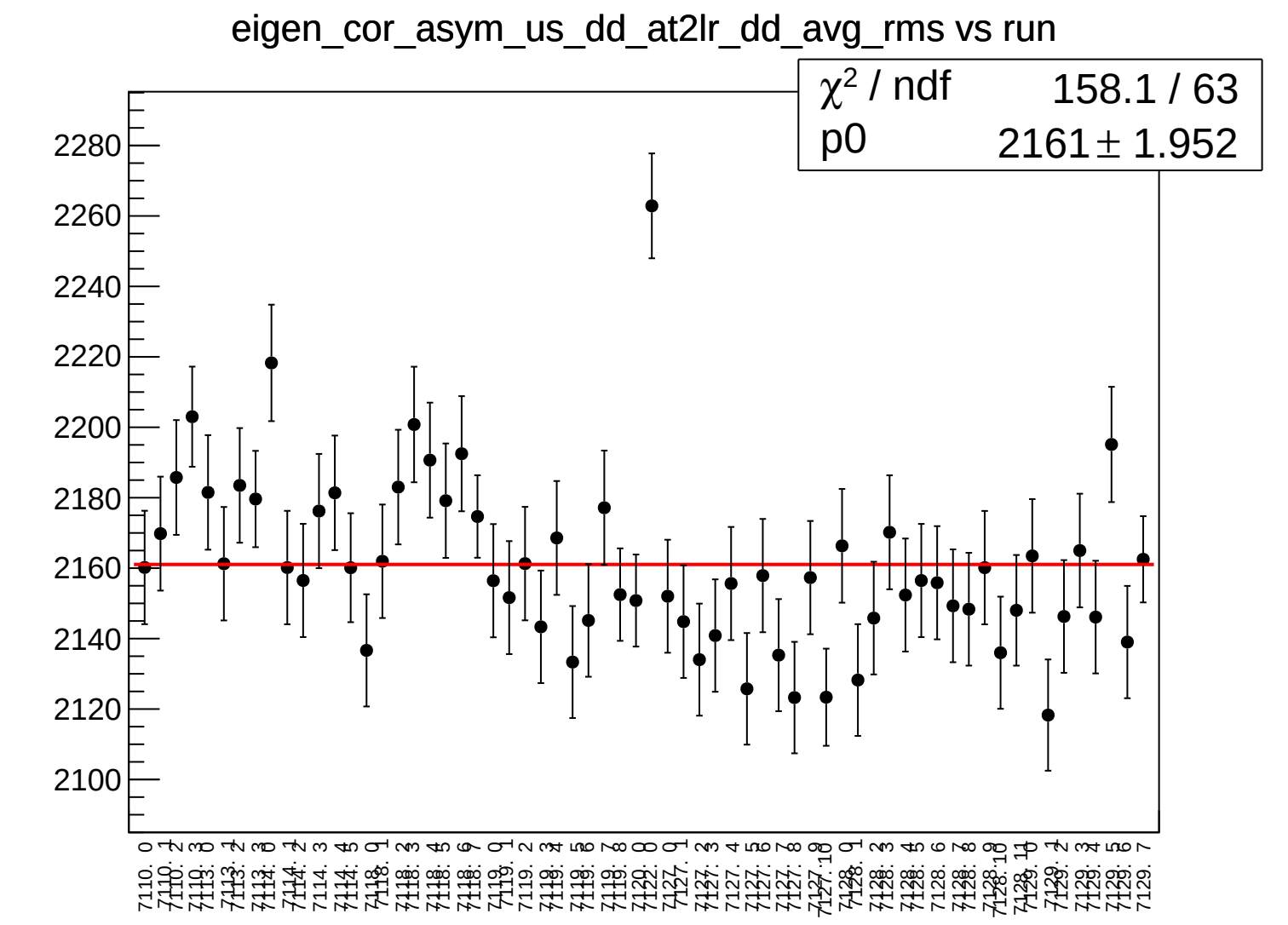

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 63.73 / 63
p0 −3734 ± 1702
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −526
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

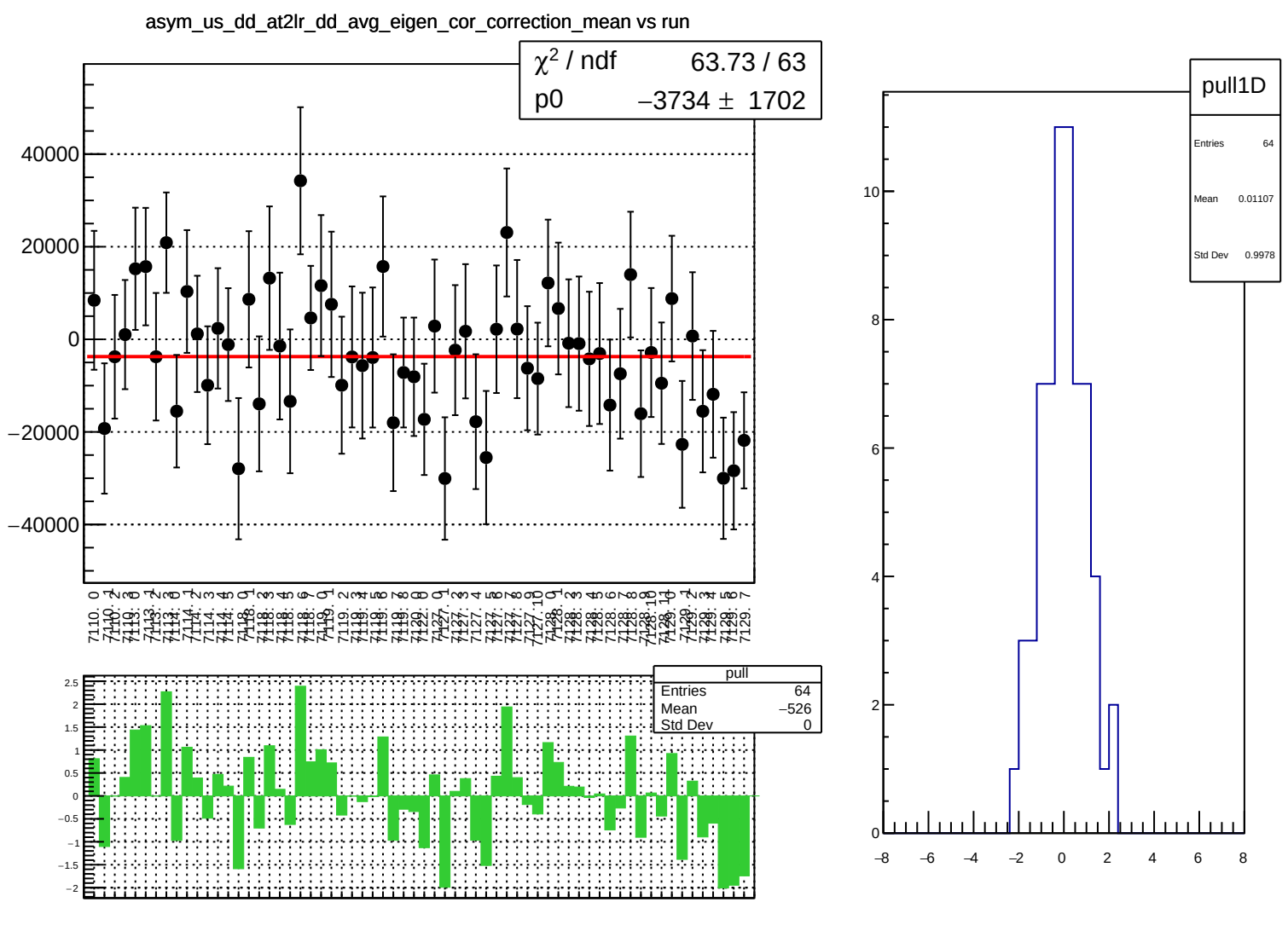

pull1D
Entries 64
Mean 0.01107
Std Dev 0.9978
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

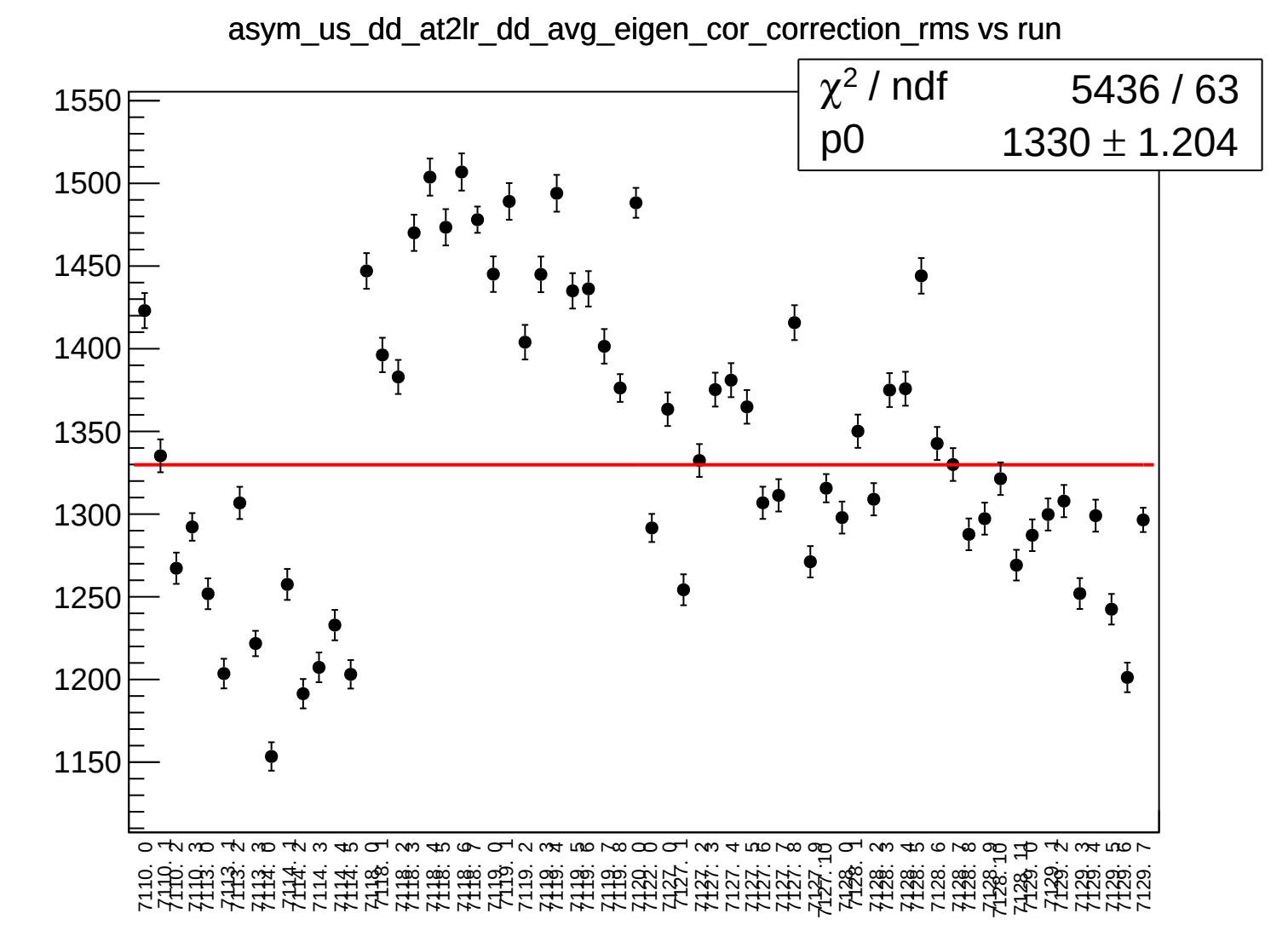

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 5436 / 63
p0 1330 ± 1.204
1550
1500
1450
1400
1350
1300
1250
1200
1150

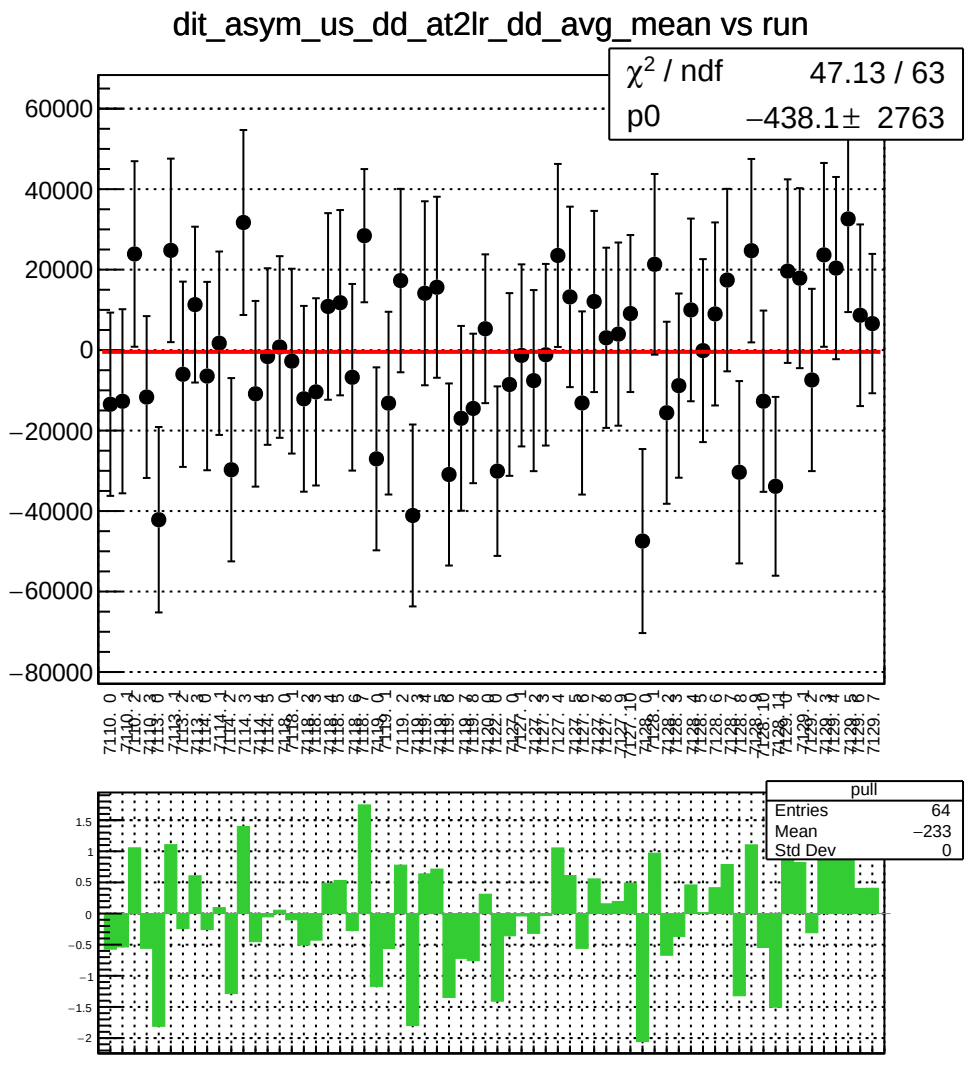

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 47.09 / 63
p0 −335.8 ± 2760
pull
Entries 64
Mean −254.6
Std Dev 0

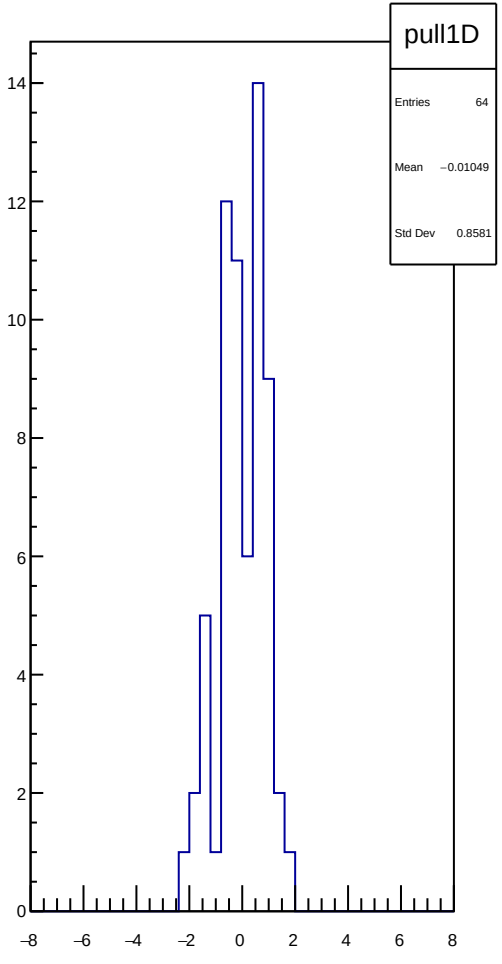

pull1D
Entries 64
Mean −0.01016
Std Dev 0.8577

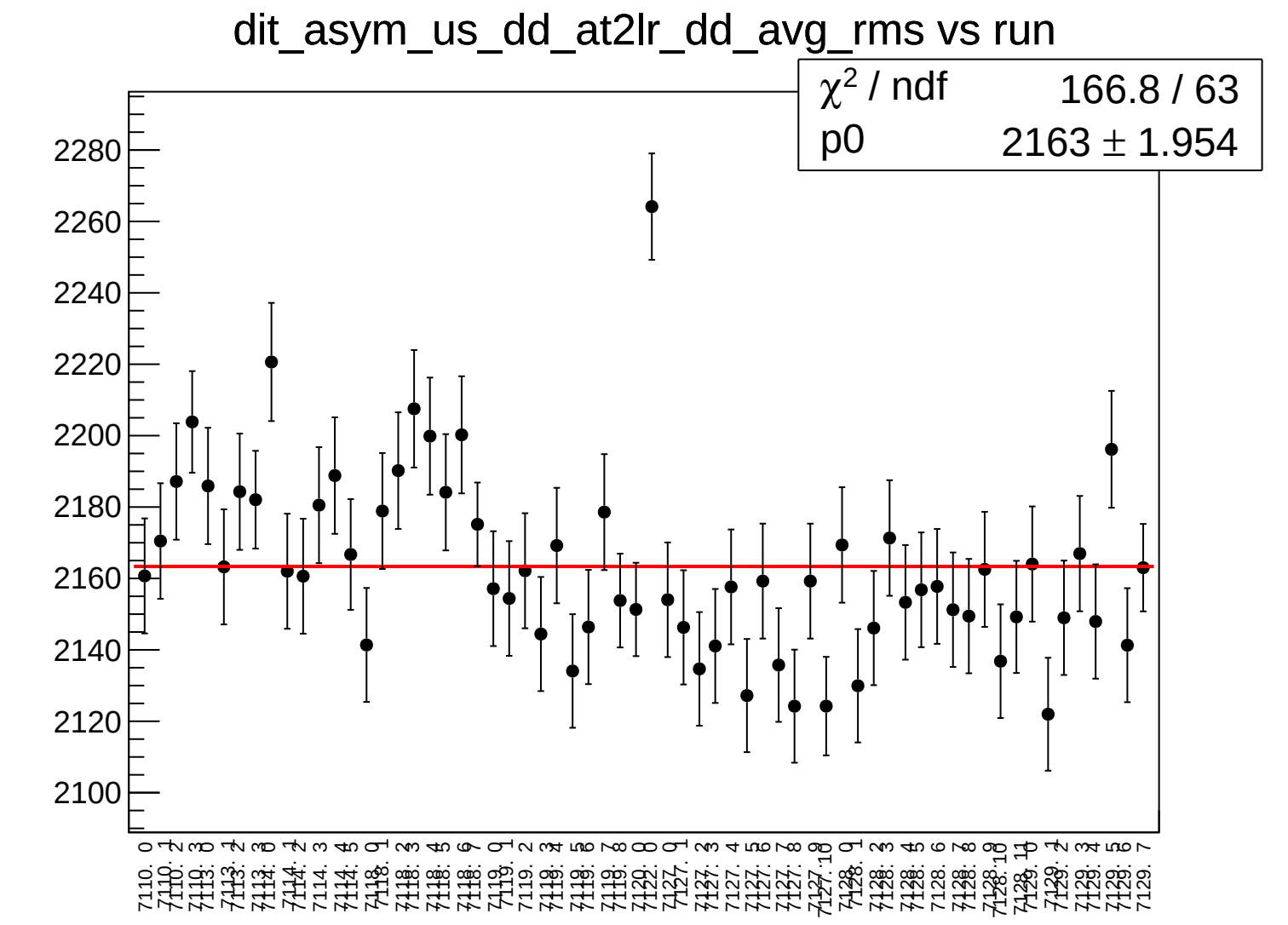

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 158.1 / 63
p0 2161 ± 1.952
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100

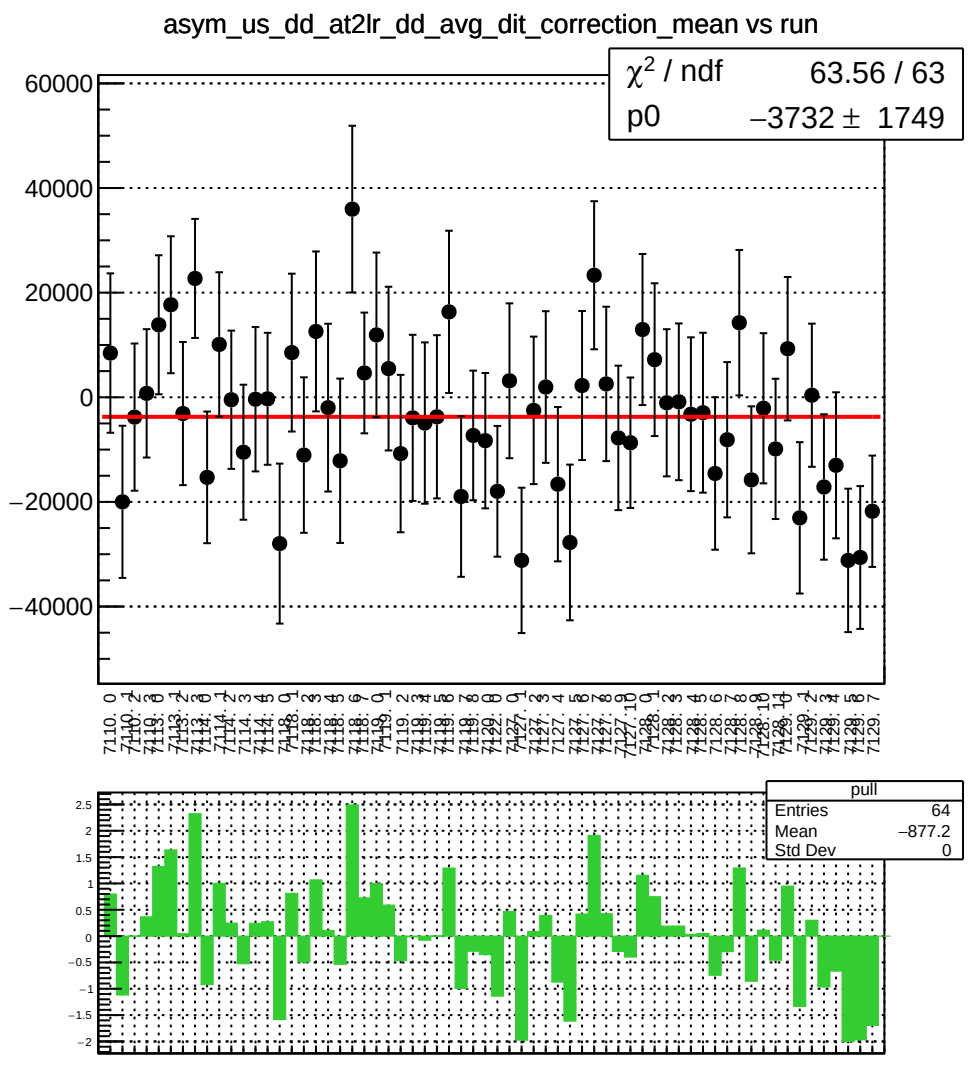

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 63.73 / 63
p0 −3734 ± 1702
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −526
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean 0.01107
Std Dev 0.9978
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

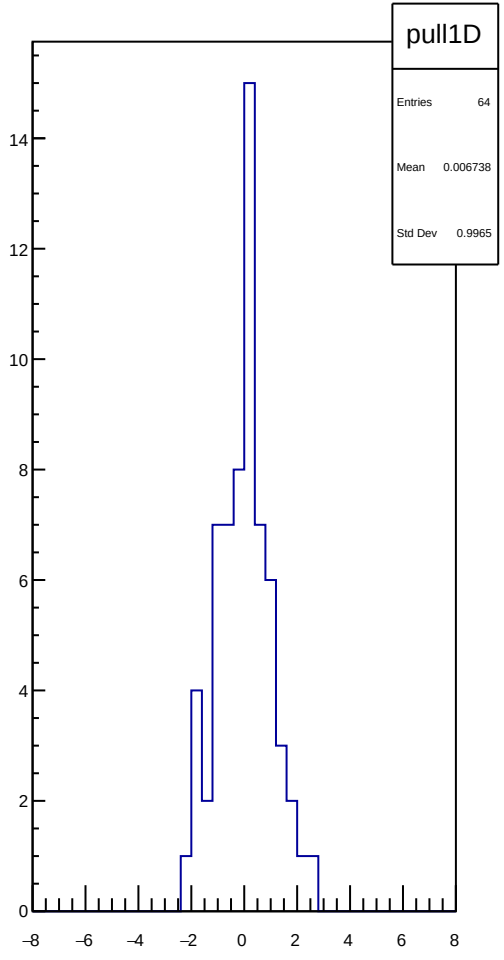

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5436 / 63
p0 1330 ± 1.204
1550
1500
1450
1400
1350
1300
1250
1200
1150

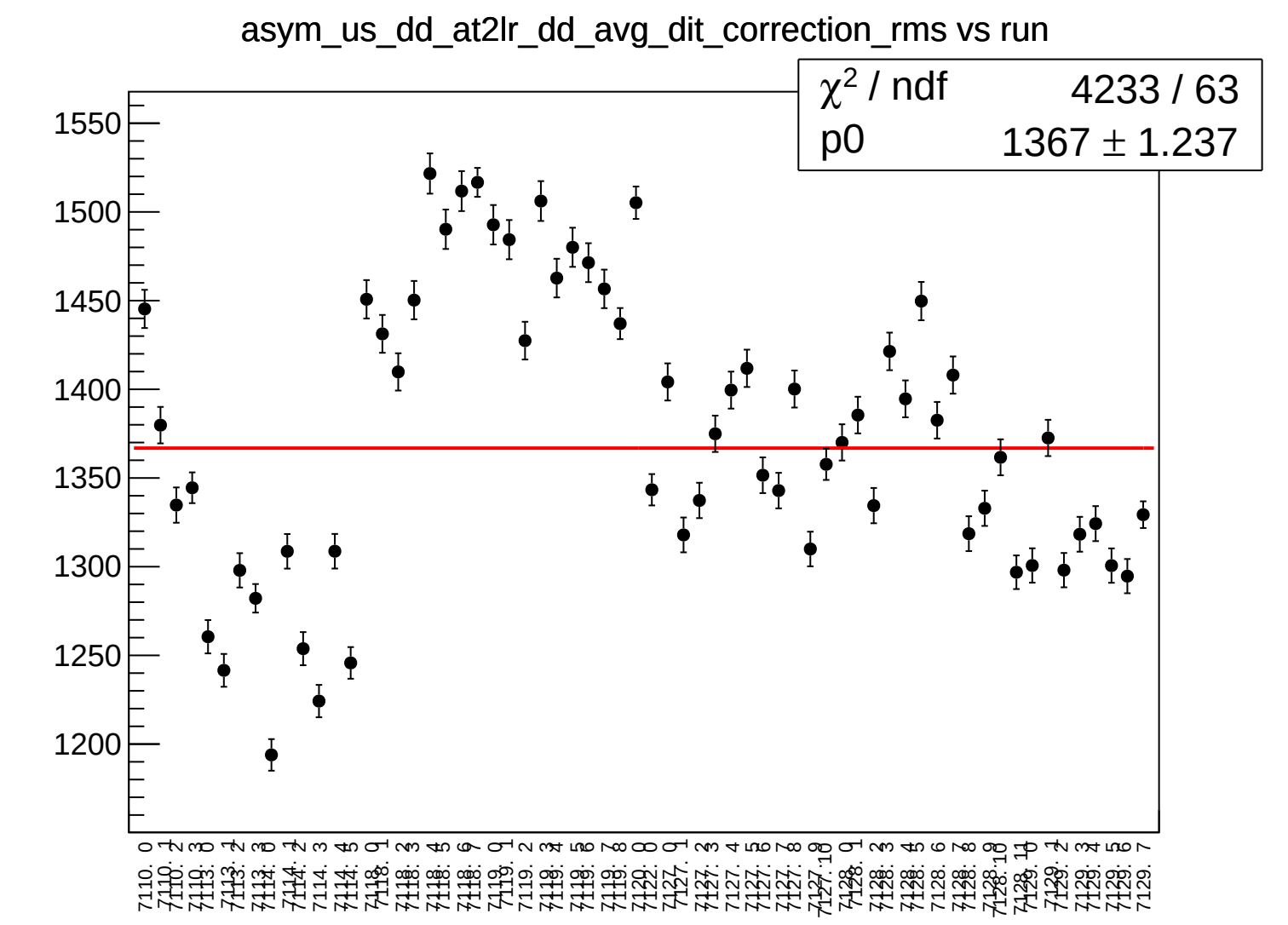

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 47.13 / 63
p0 −438.1± 2763
pull
Entries 64
Mean −233
Std Dev 0

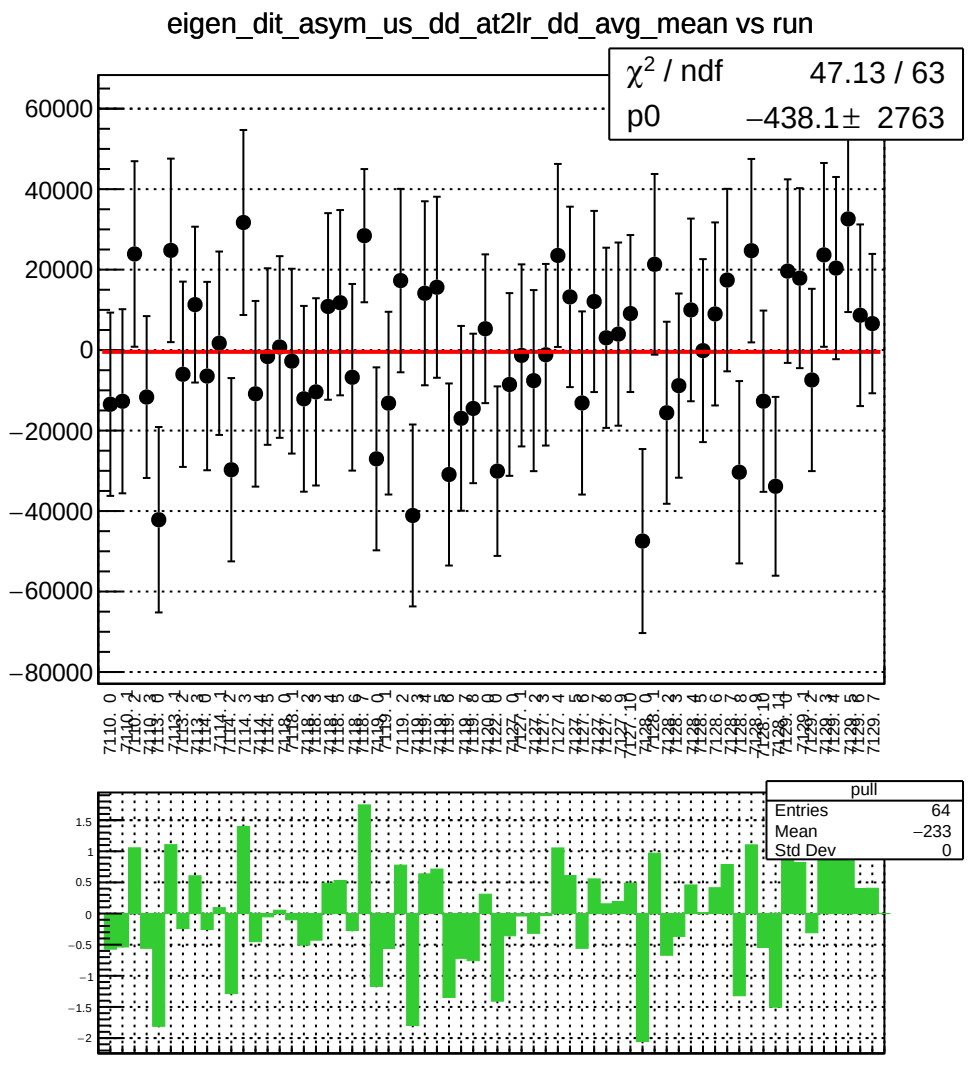

pull1D
Entries 64
Mean −0.01049
Std Dev 0.8581

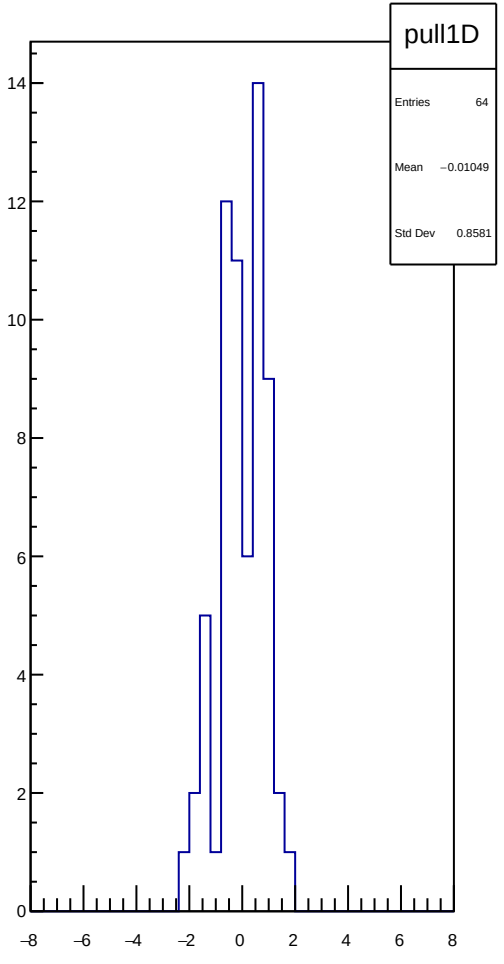

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 166.8 / 63
p0 2163 ± 1.954
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100

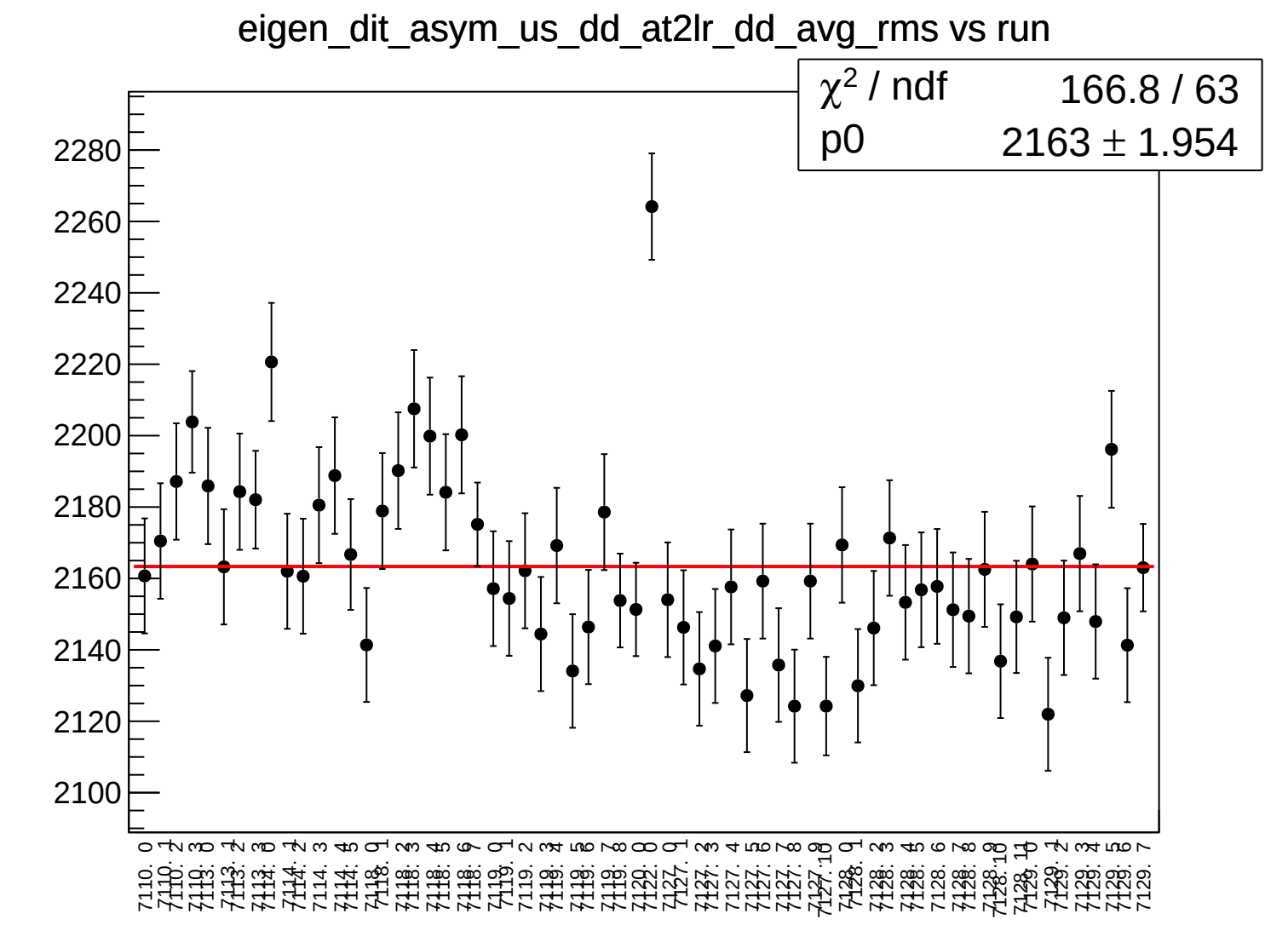

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 63.56 / 63
p0 −3732 ± 1749
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −877.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

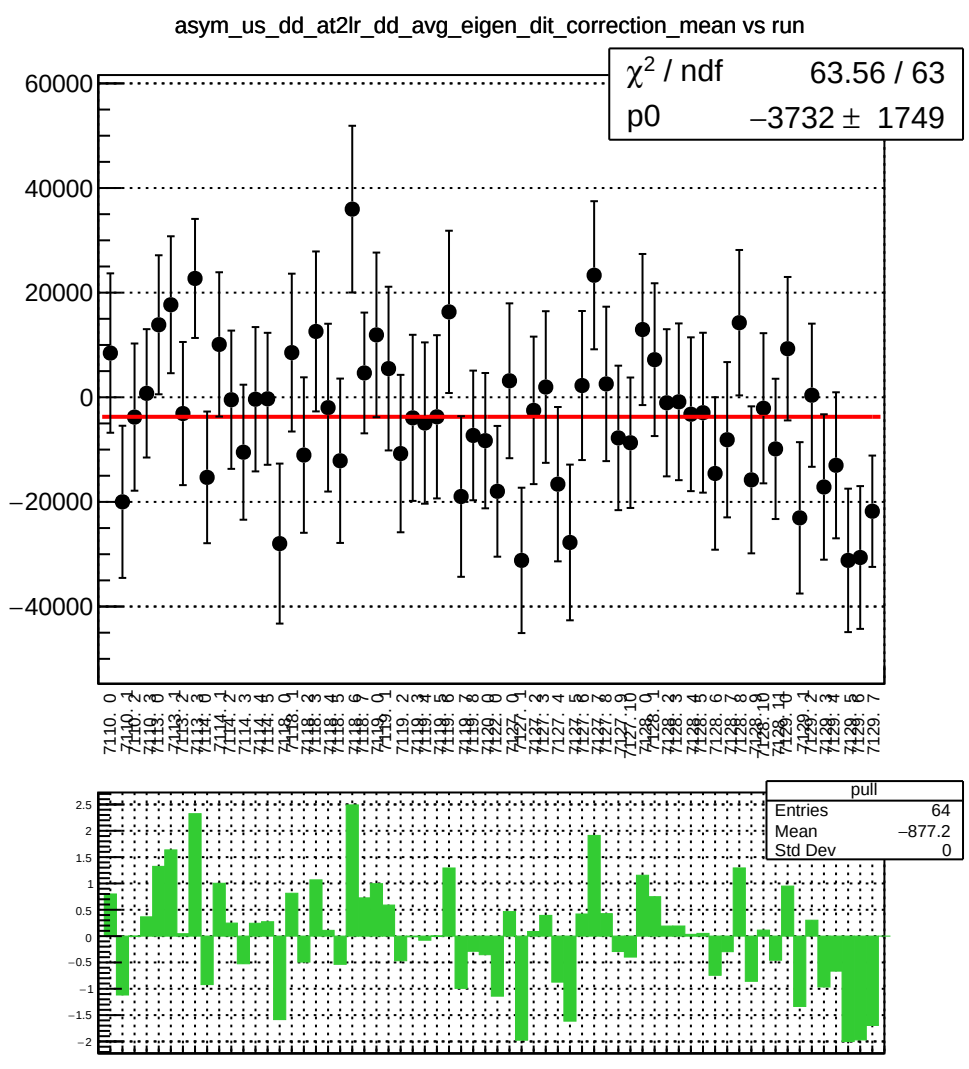

pull1D
Entries 64
Mean 0.006738
Std Dev 0.9965
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

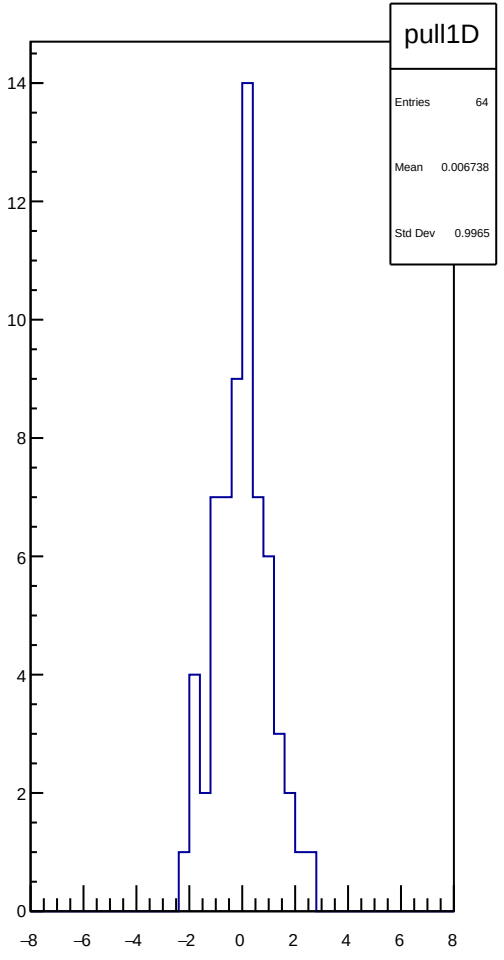

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 4233 / 63
p0 1367 ± 1.237
1550
1500
1450
1400
1350
1300
1250
1200

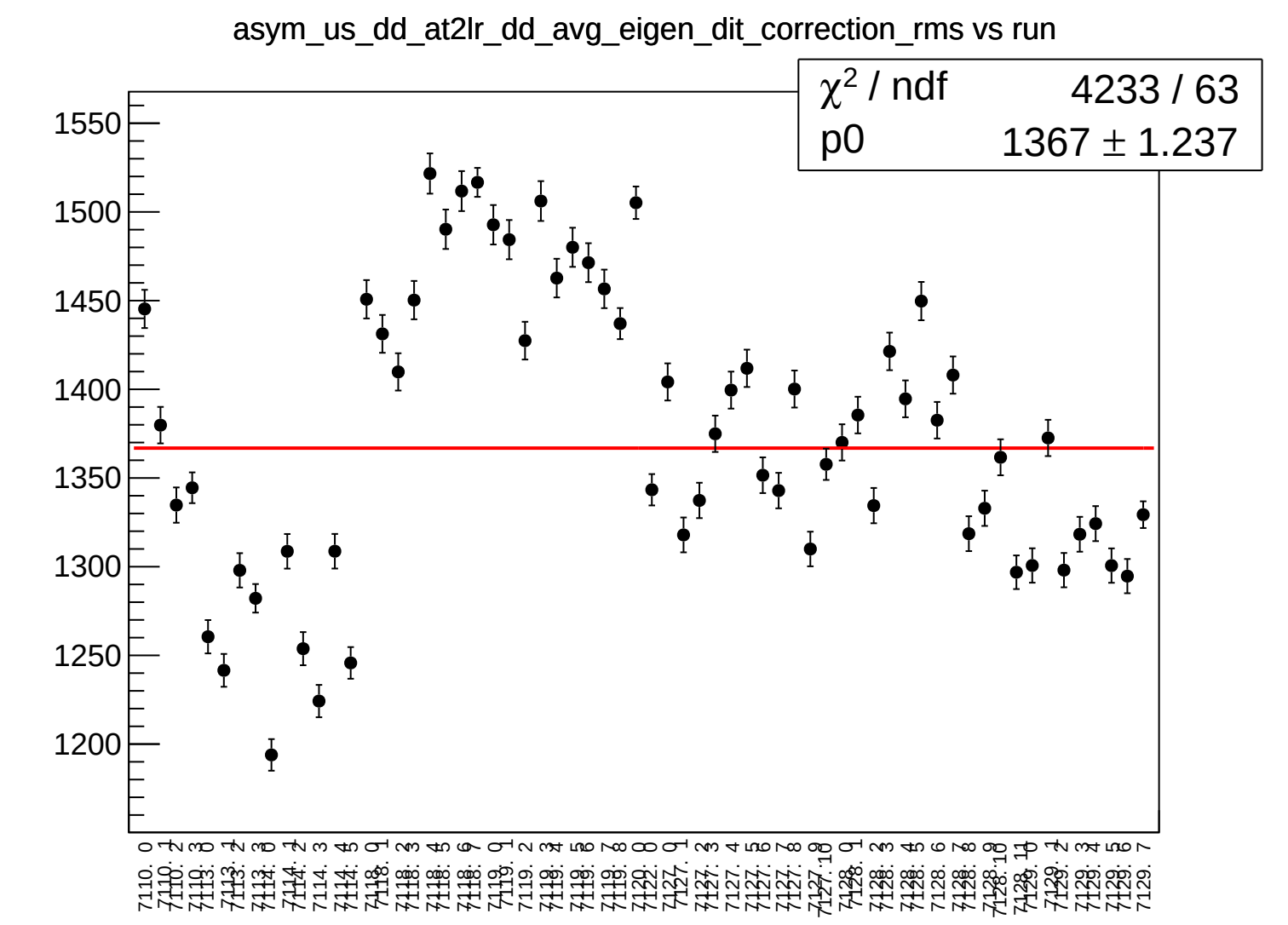

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 47.13 / 63
p0 −438.1± 2763
pull
Entries 64
Mean −233
Std Dev 0

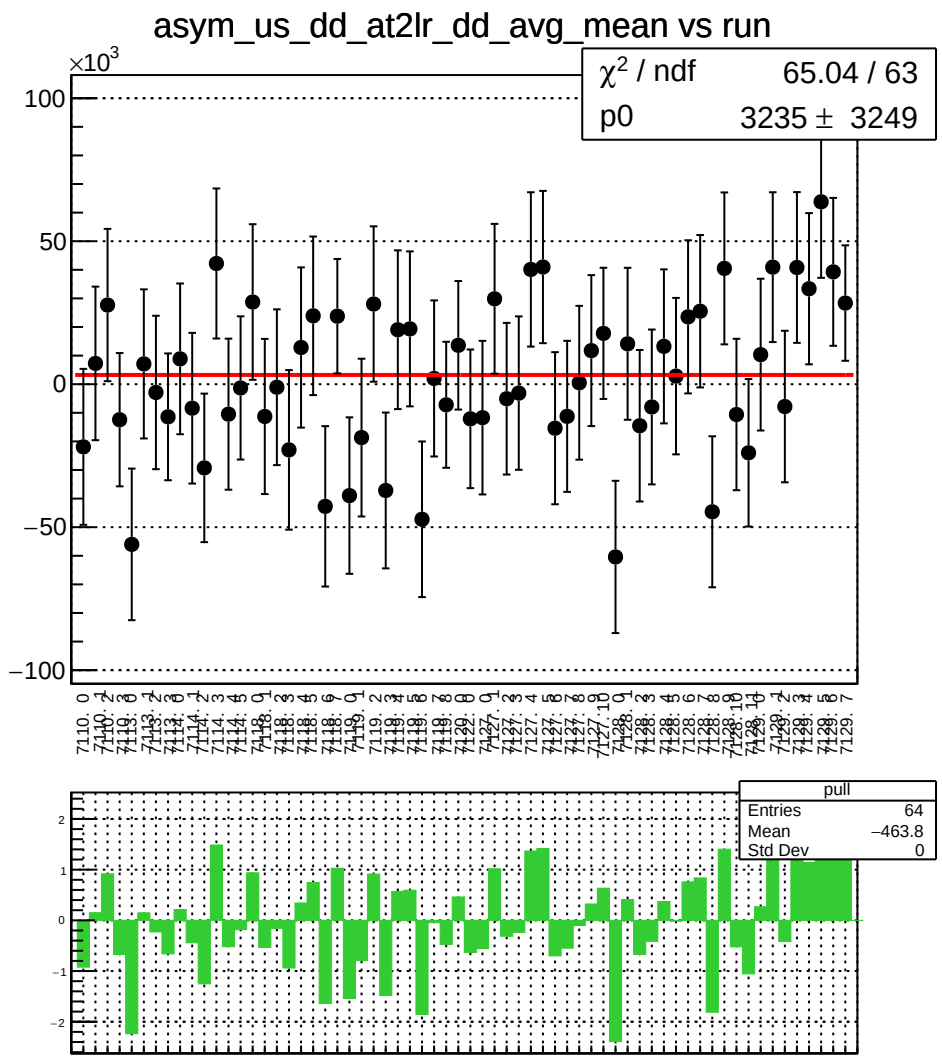

pull1D
Entries 64
Mean −0.01049
Std Dev 0.8581

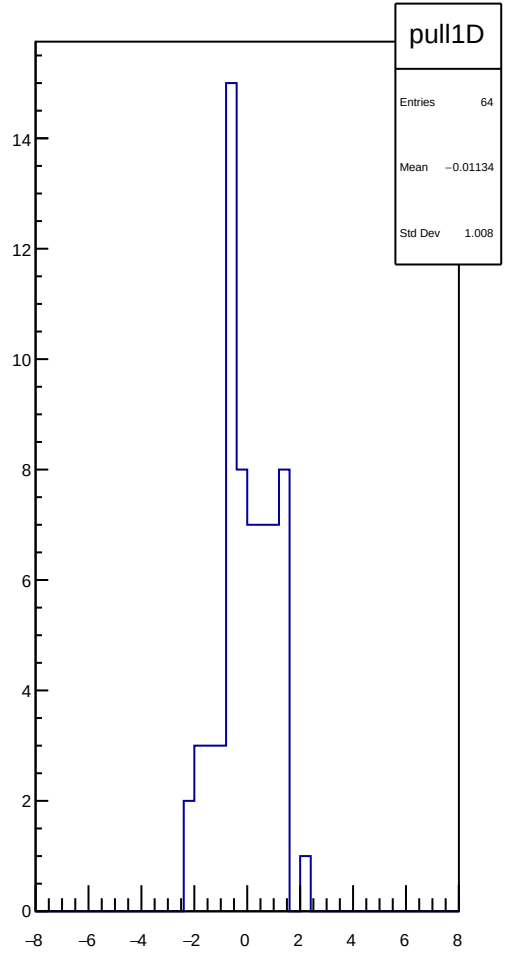

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 166.8 / 63
p0 2163 ± 1.954
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100

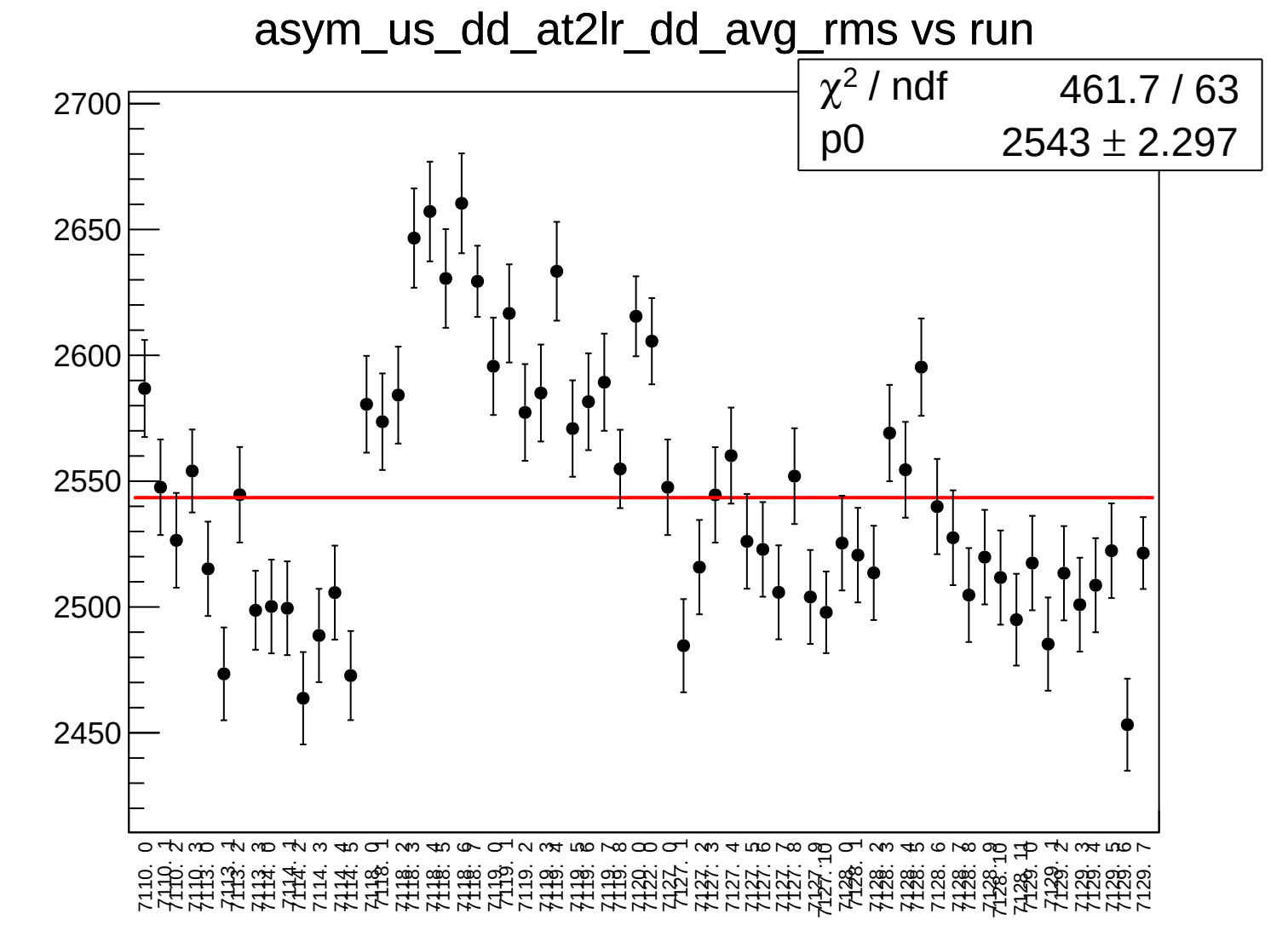

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.56 / 63
p0 −3732 ± 1749
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −877.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

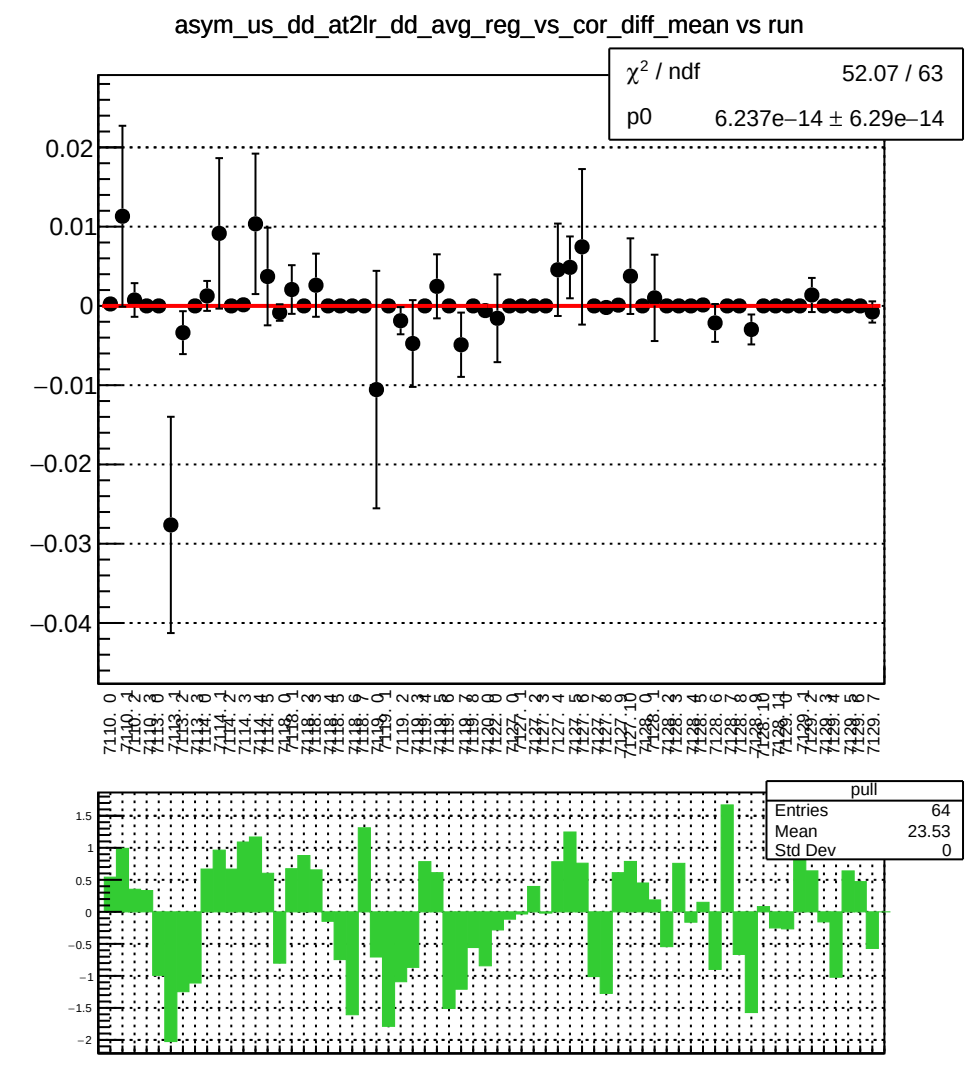

pull1D
Entries 64
Mean 0.006738
Std Dev 0.9965
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

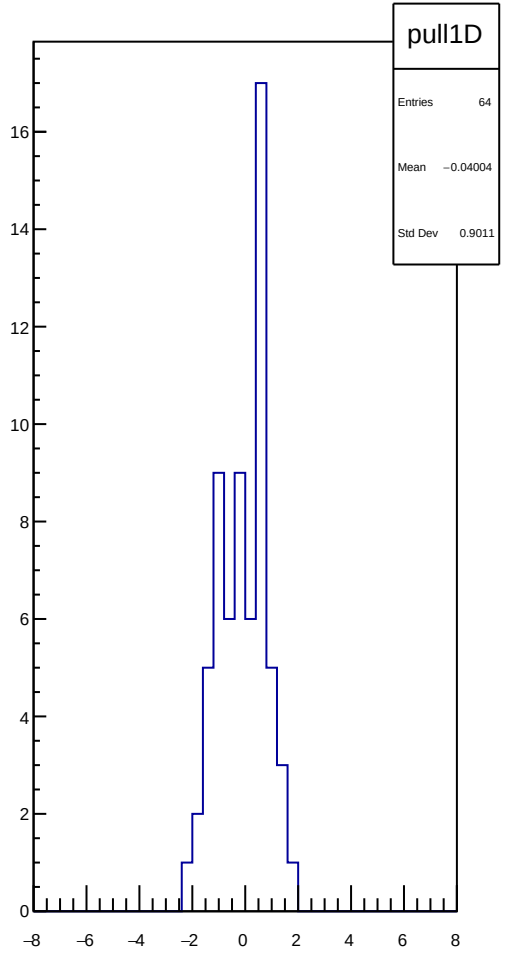

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4233 / 63
p0 1367 ± 1.237
1550
1500
1450
1400
1350
1300
1250
1200

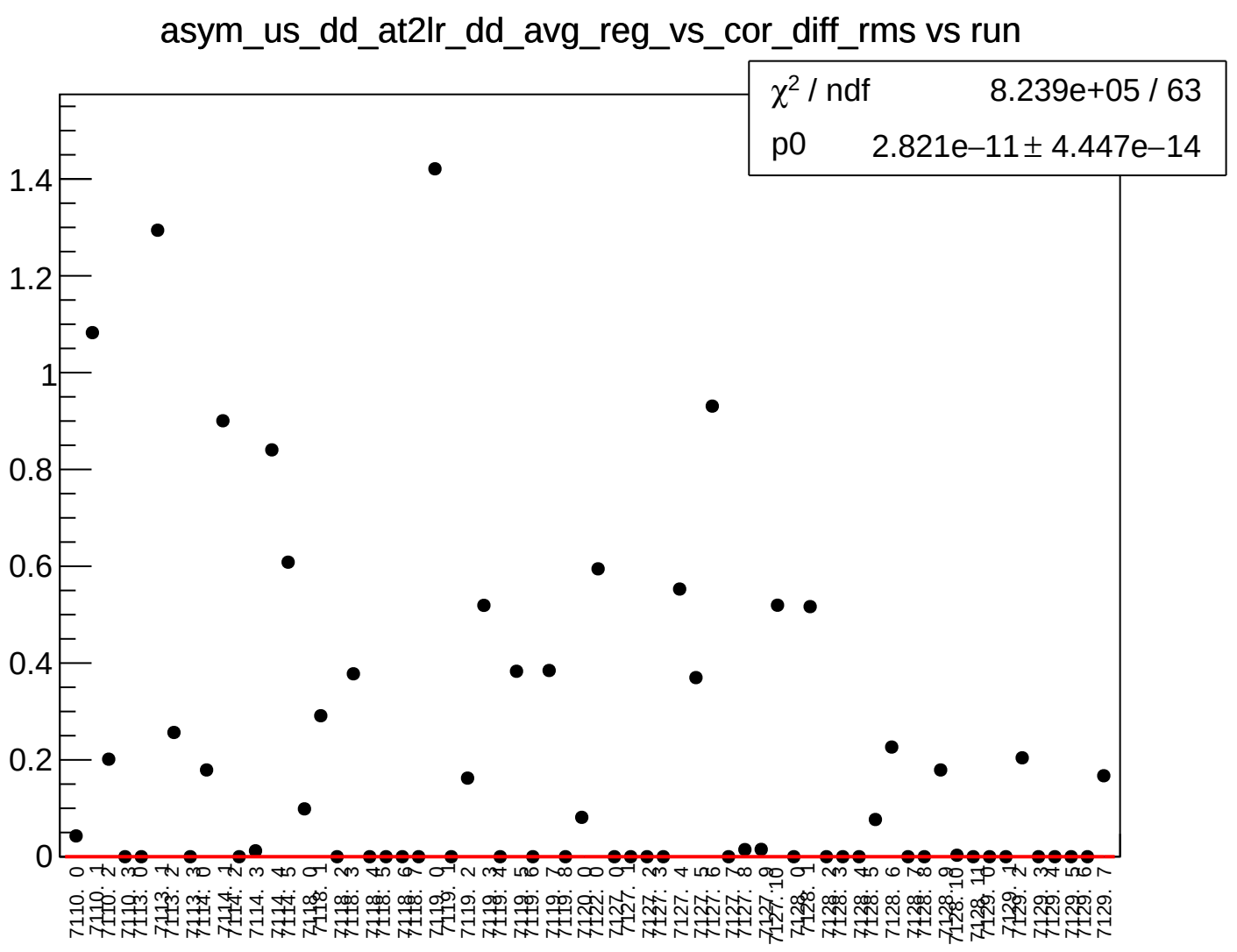

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 65.04 / 63
p0 3235 ± 3249
100
50
0
−50
−100
pull
Entries 64
Mean −463.8
Std Dev 0
2
1
0
−1
−2

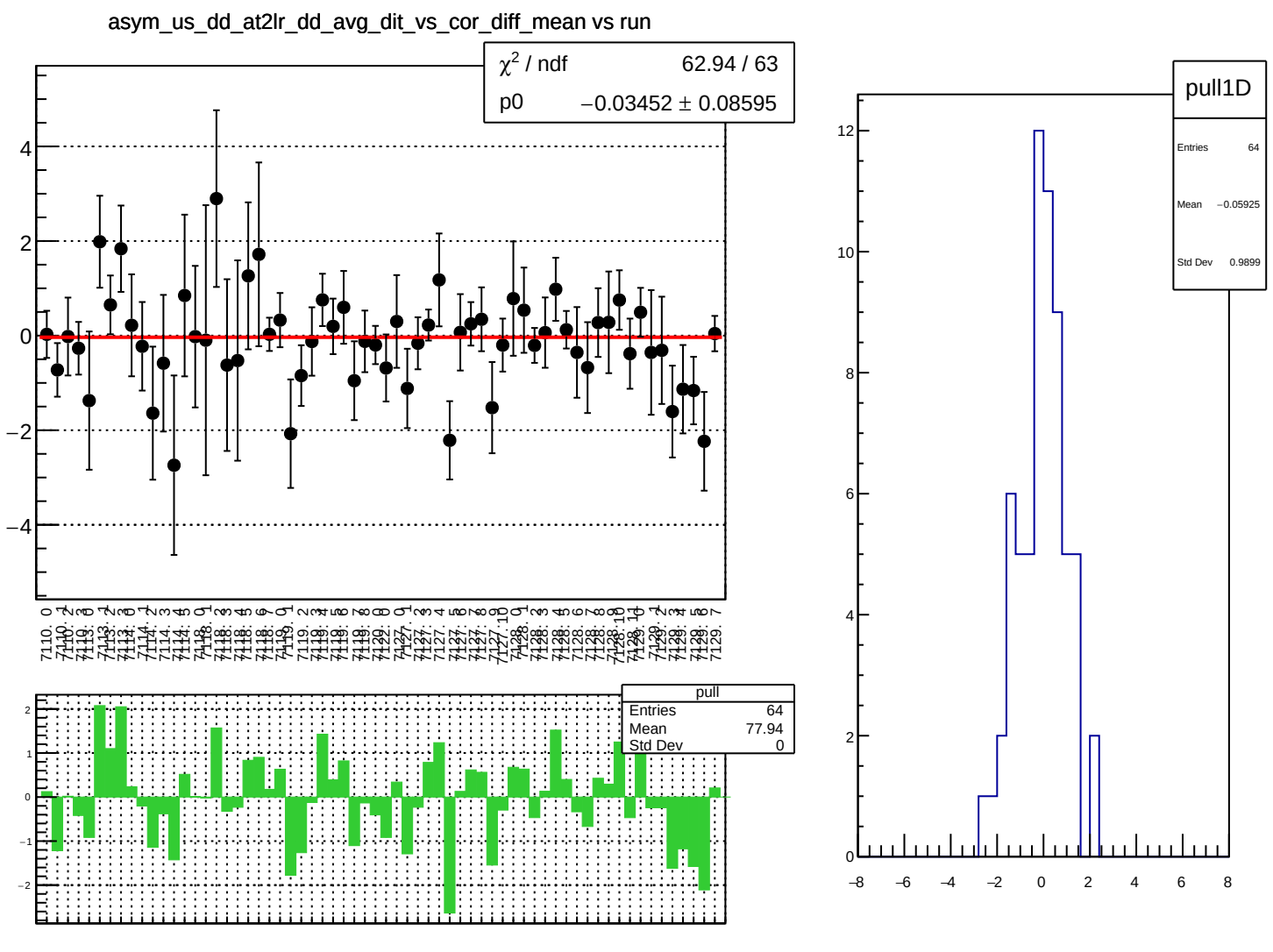

pull1D
Entries 64
Mean −0.01134
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

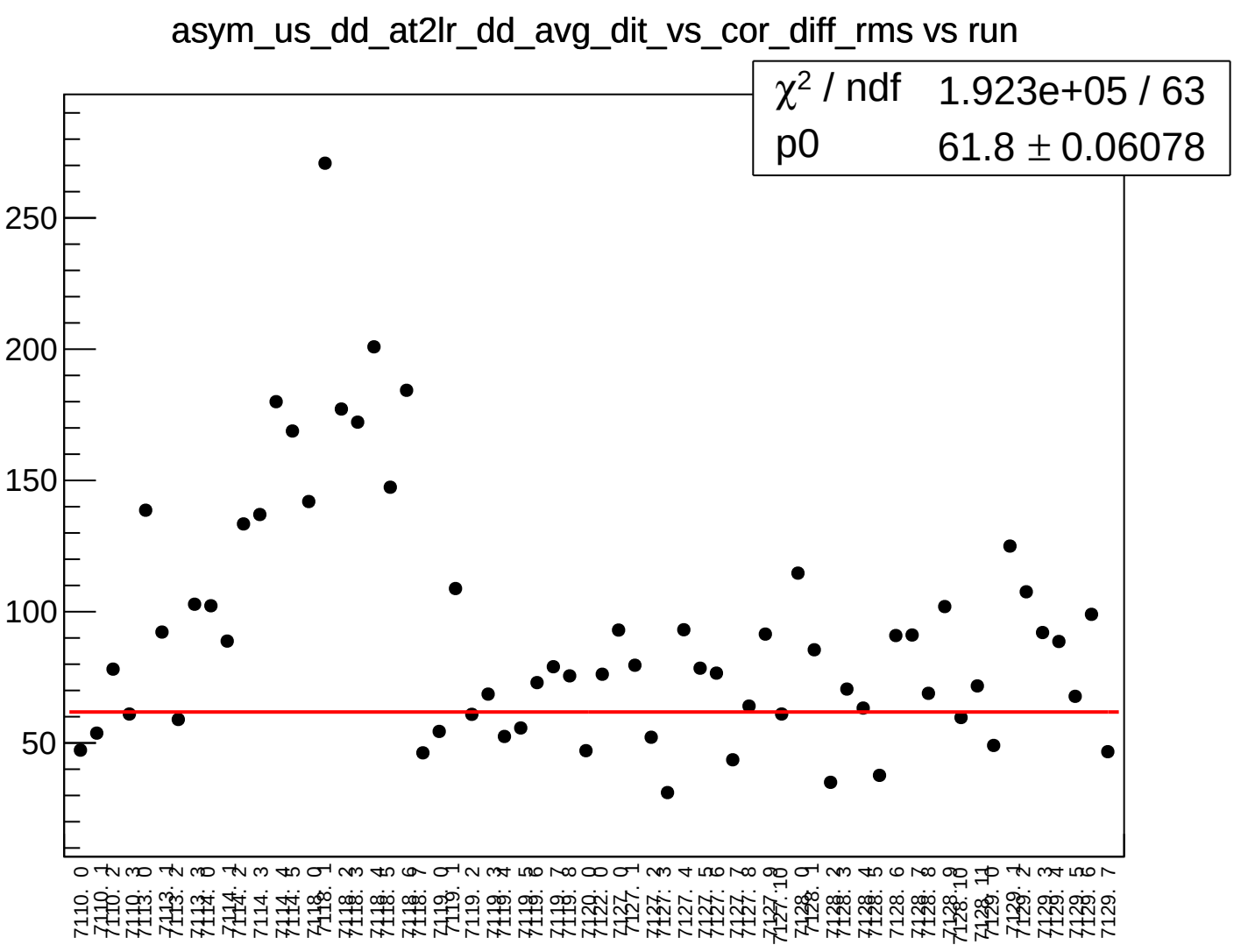

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 461.7 / 63
p0 2543 ± 2.297
2700
2650
2600
2550
2500
2450

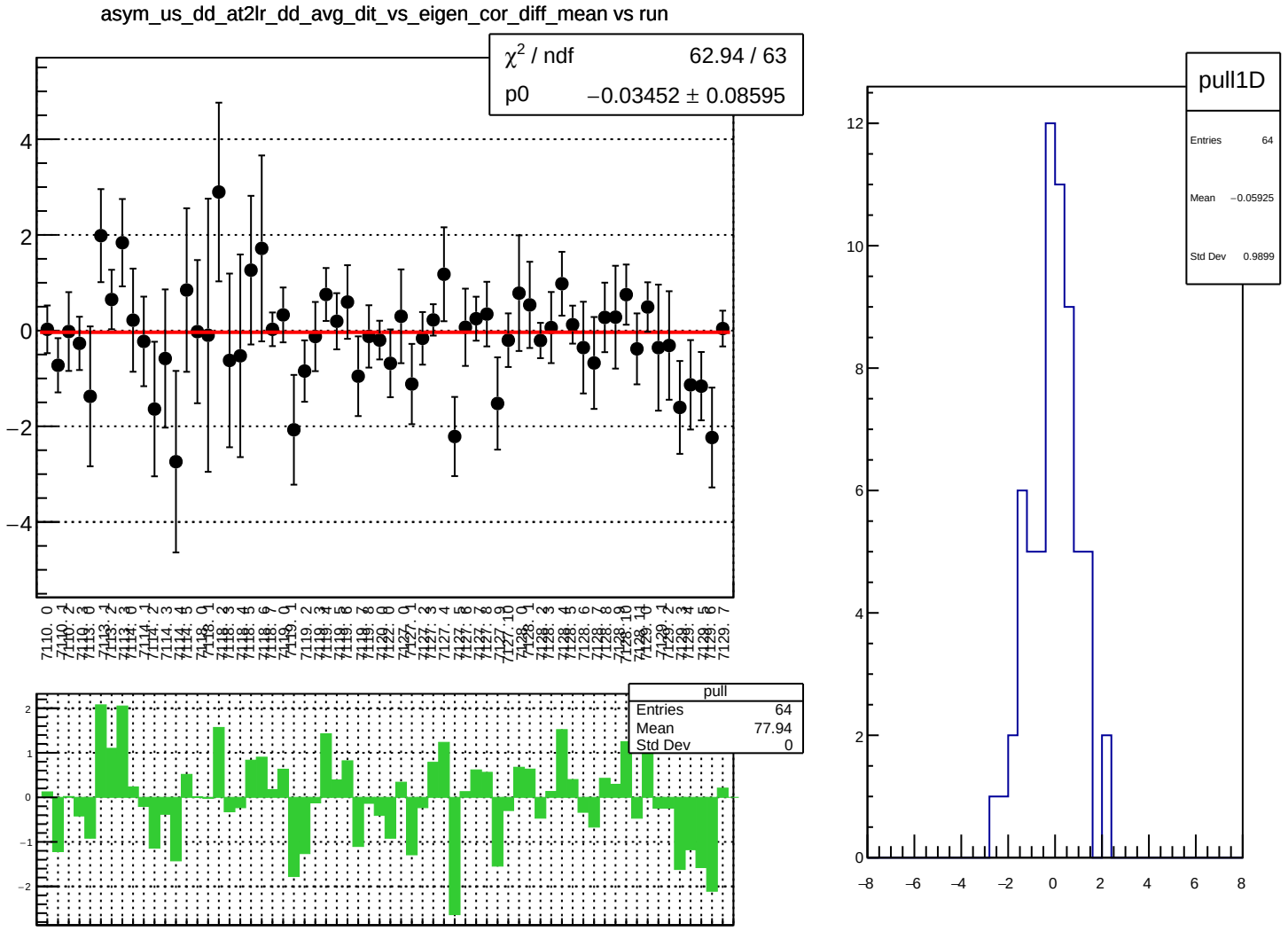

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.07 / 63
p0 6.237e−14 ± 6.29e−14
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 64
Mean 23.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

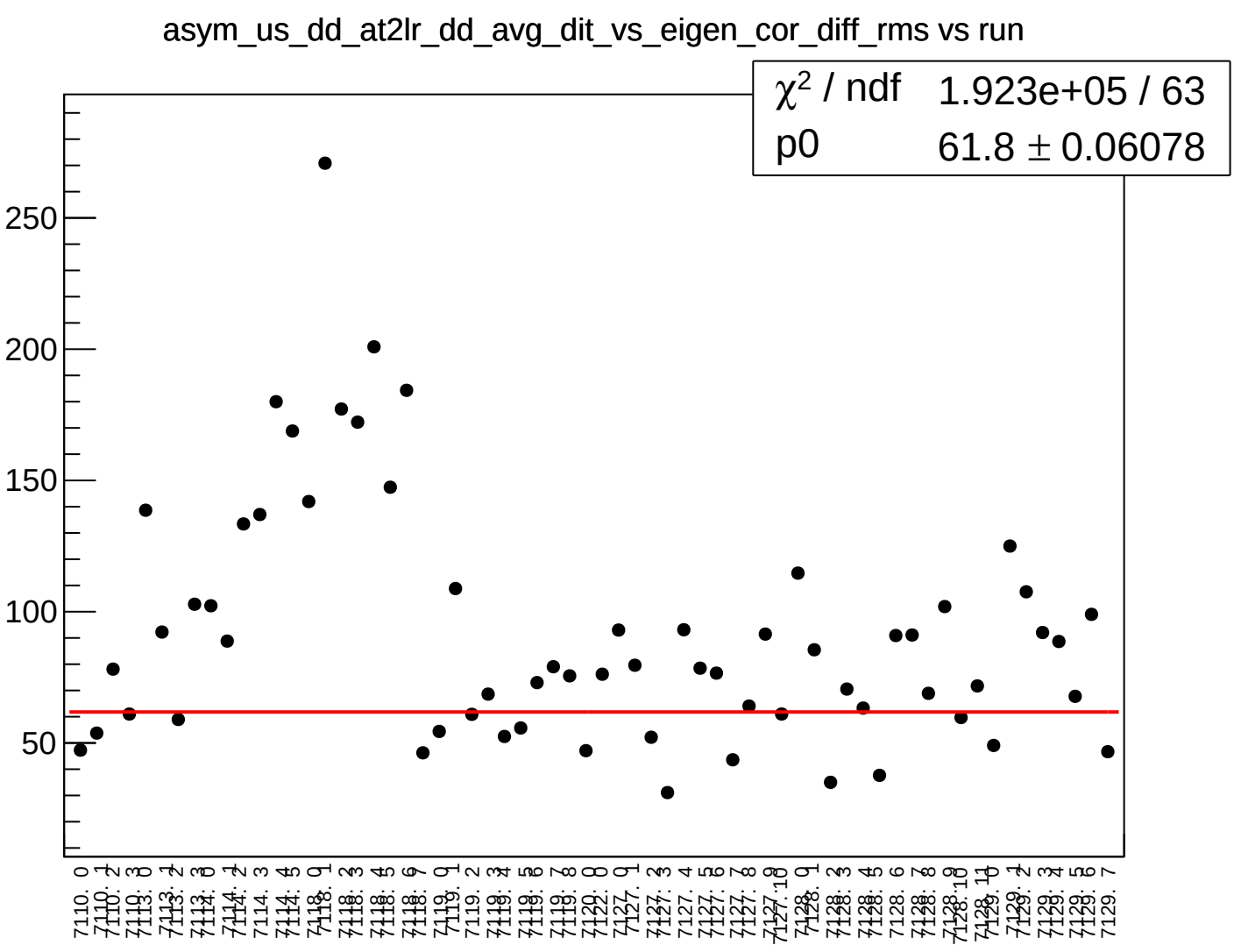

pull1D
Entries 64
Mean −0.04004
Std Dev 0.9011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

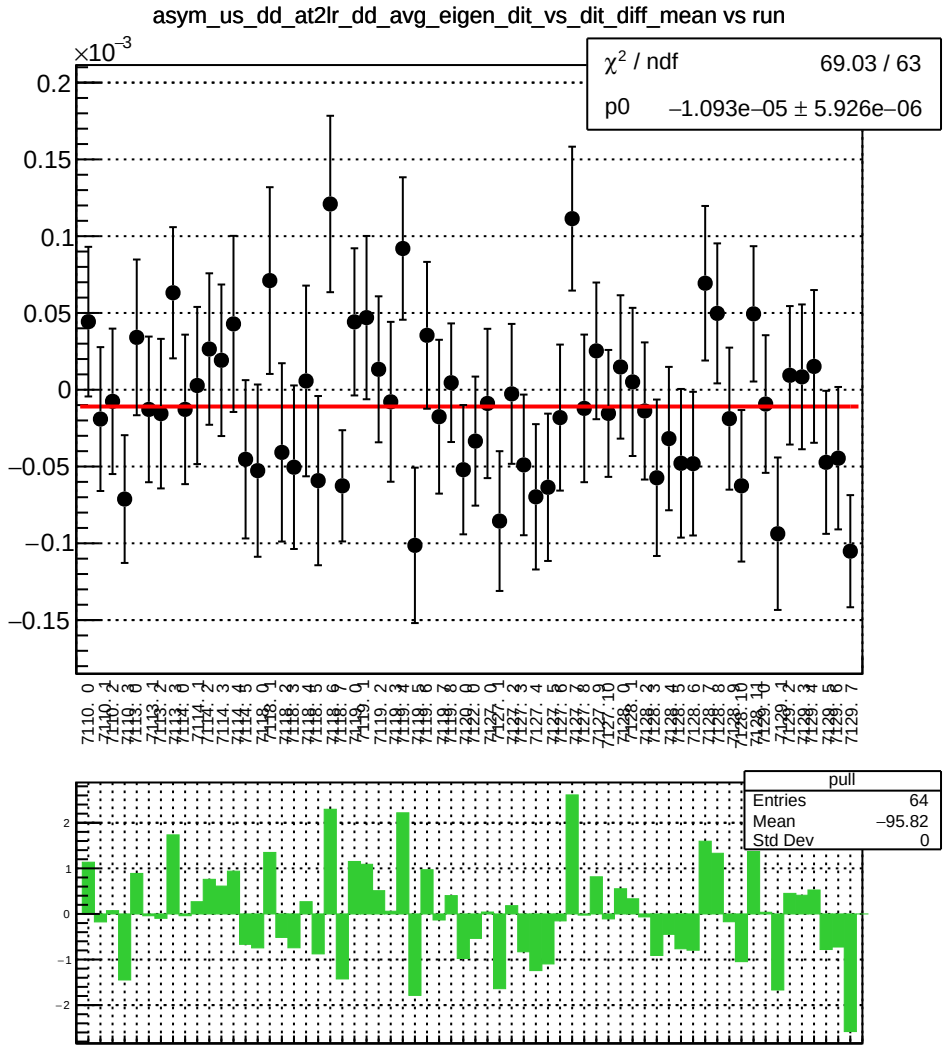

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.239e+05 / 63
p0 2.821e−11 ± 4.447e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

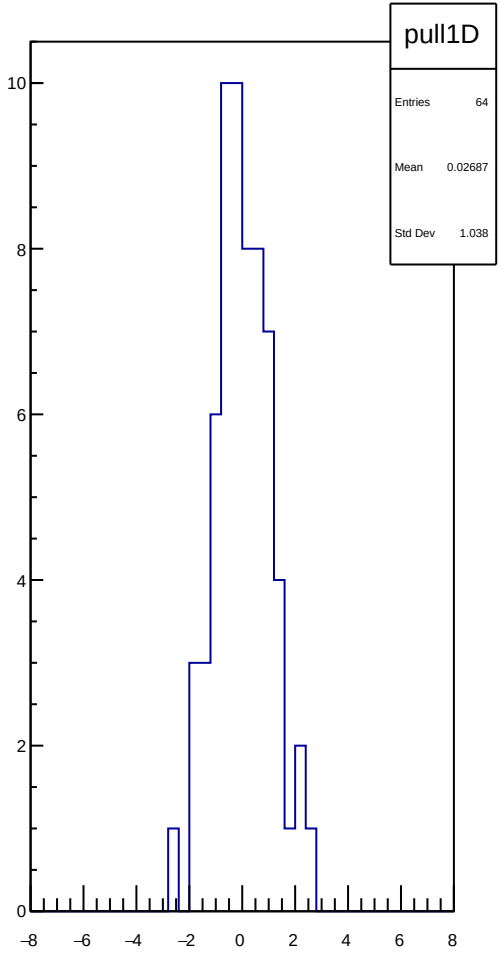

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 62.94 / 63
p0 −0.03452 ± 0.08595
pull
Entries 64
Mean 77.94
Std Dev 0
pull1D
Entries 64
Mean −0.05925
Std Dev 0.9899

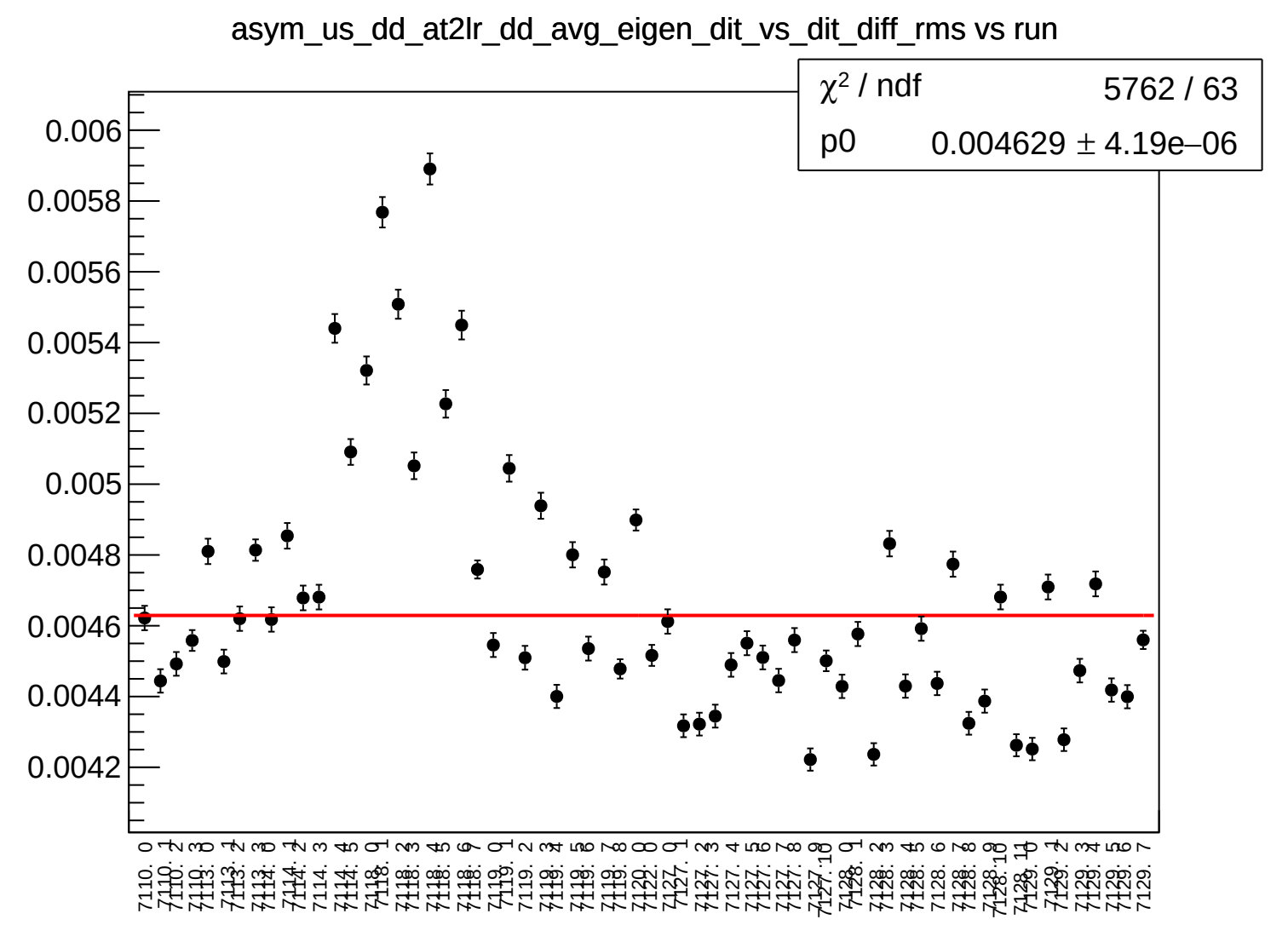

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.923e+05 / 63
p0 61.8 ± 0.06078
250
200
150
100
50

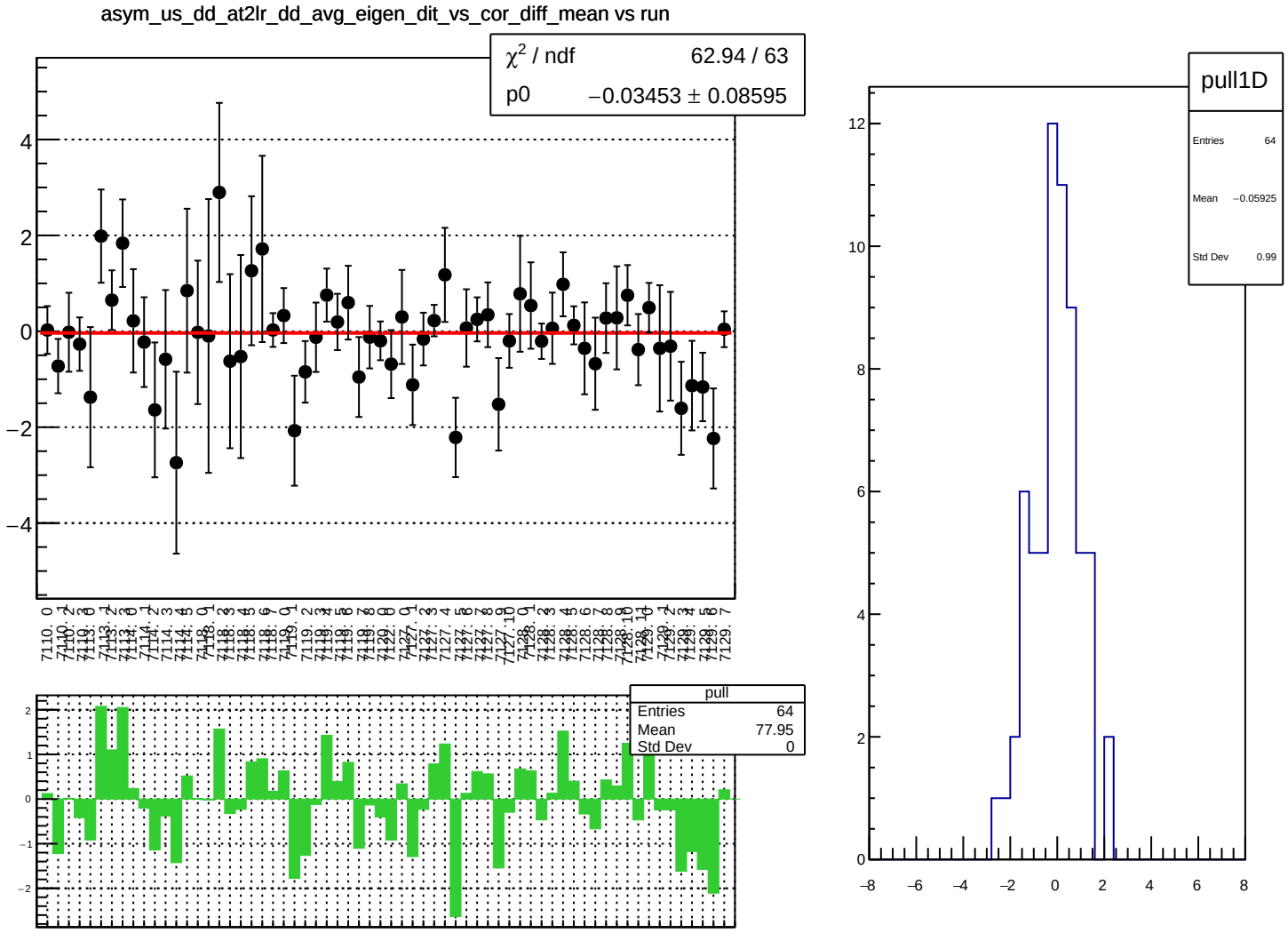

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.94 / 63
p0 −0.03452 ± 0.08595
pull
Entries 64
Mean 77.94
Std Dev 0
pull1D
Entries 64
Mean −0.05925
Std Dev 0.9899

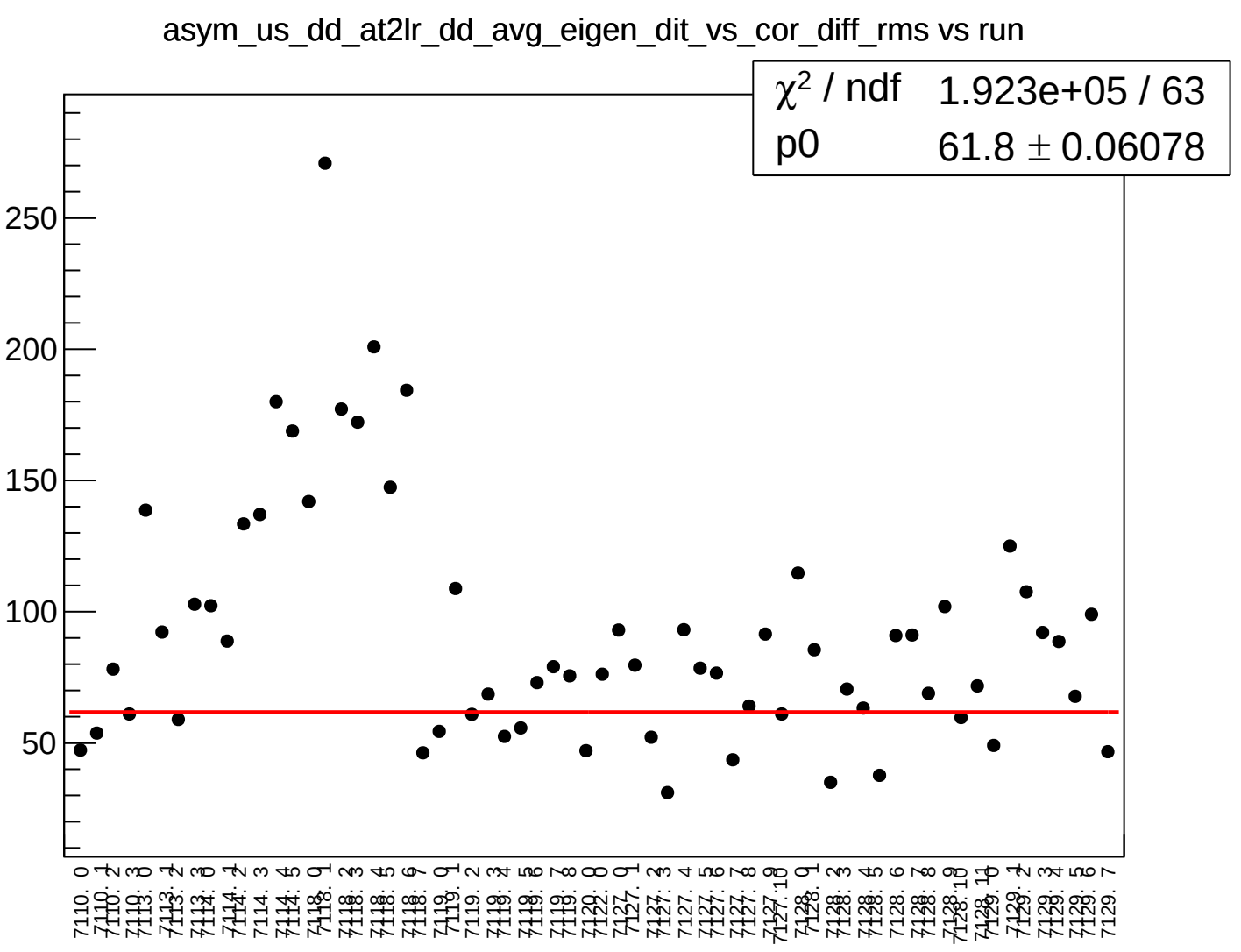

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.923e+05 / 63
p0 61.8 ± 0.06078
250
200
150
100
50

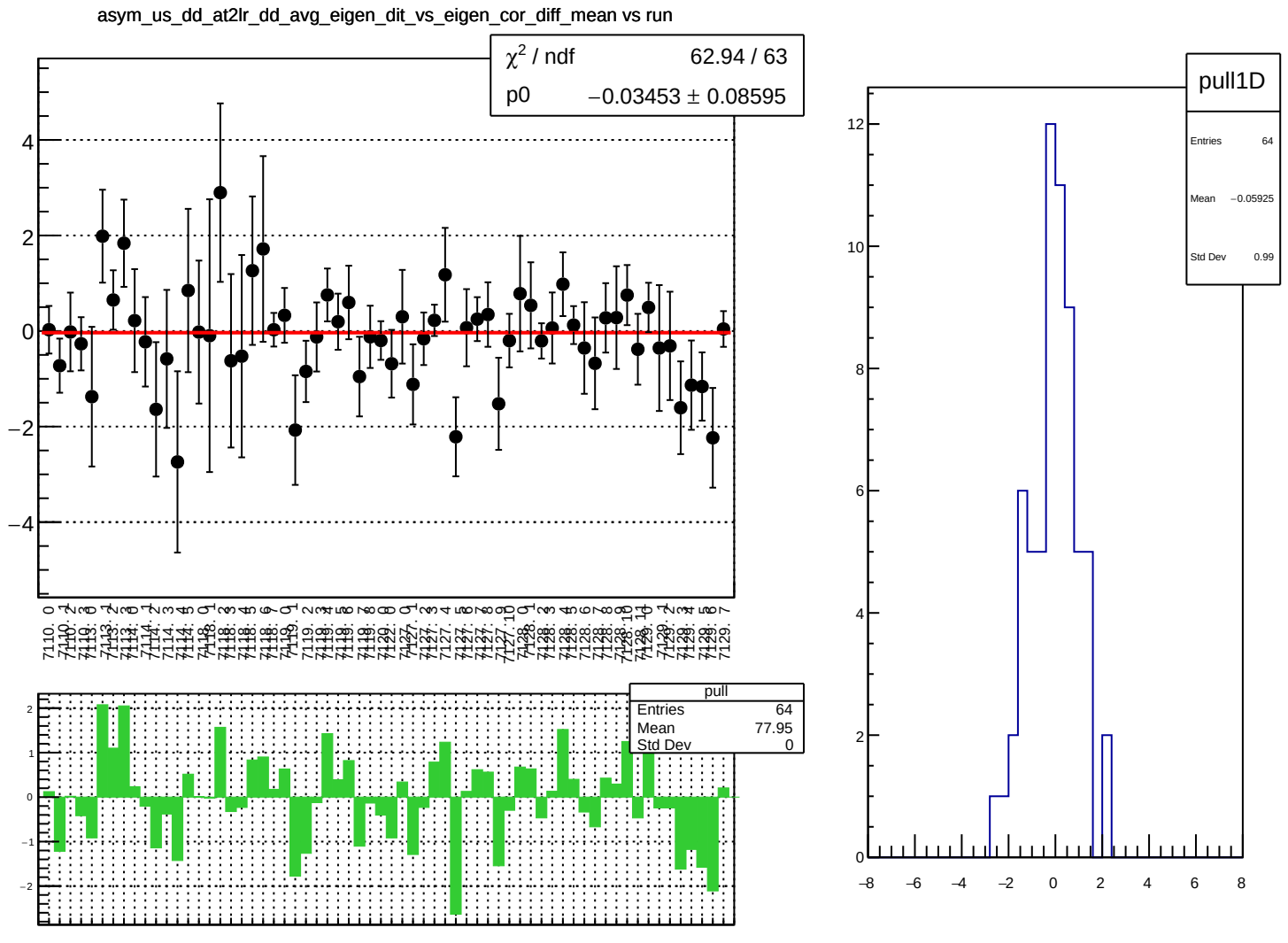

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.03 / 63
p0 −1.093e−05 ± 5.926e−06
pull
Entries 64
Mean −95.82
Std Dev 0

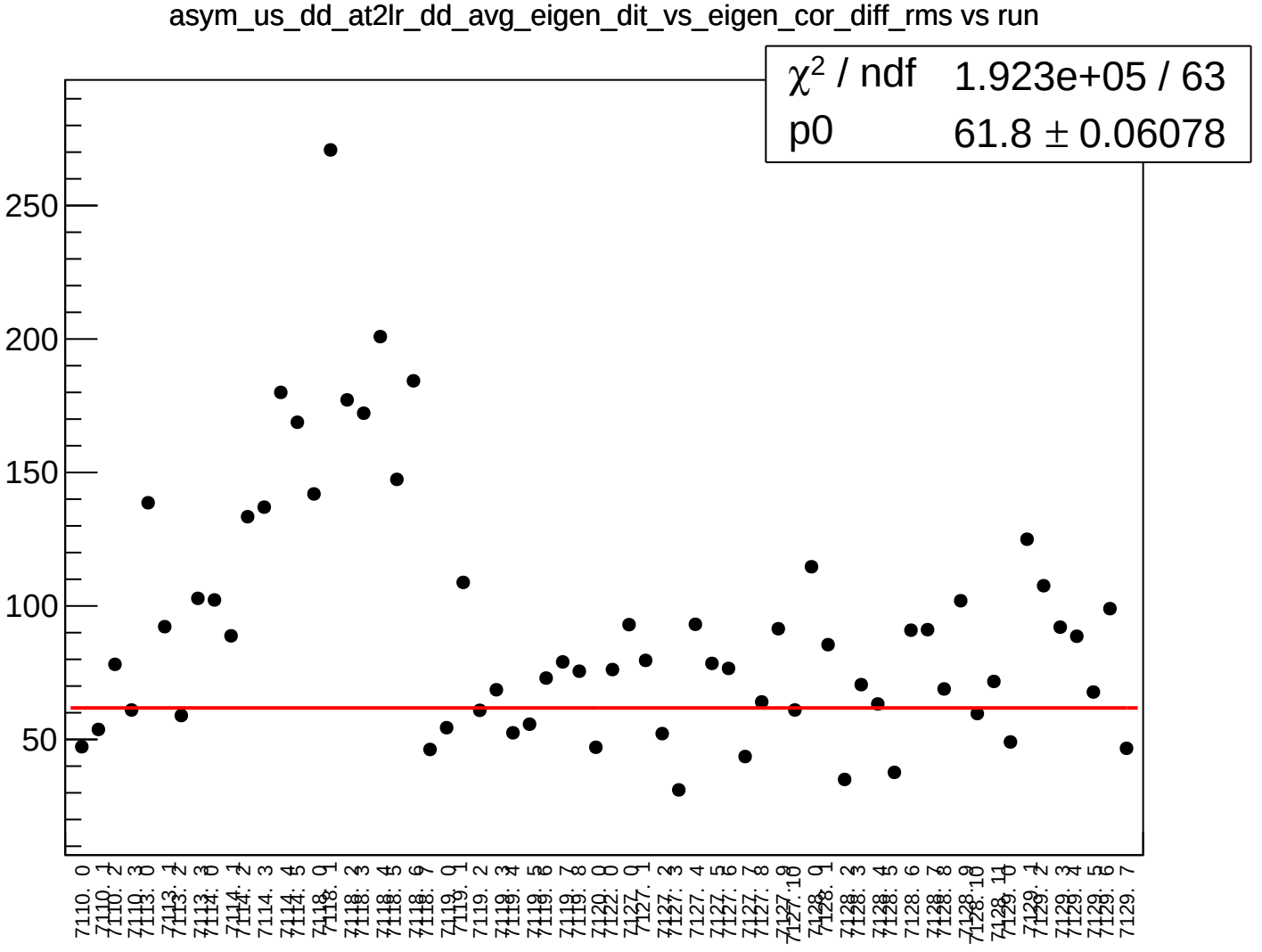

pull1D
Entries 64
Mean 0.02687
Std Dev 1.038

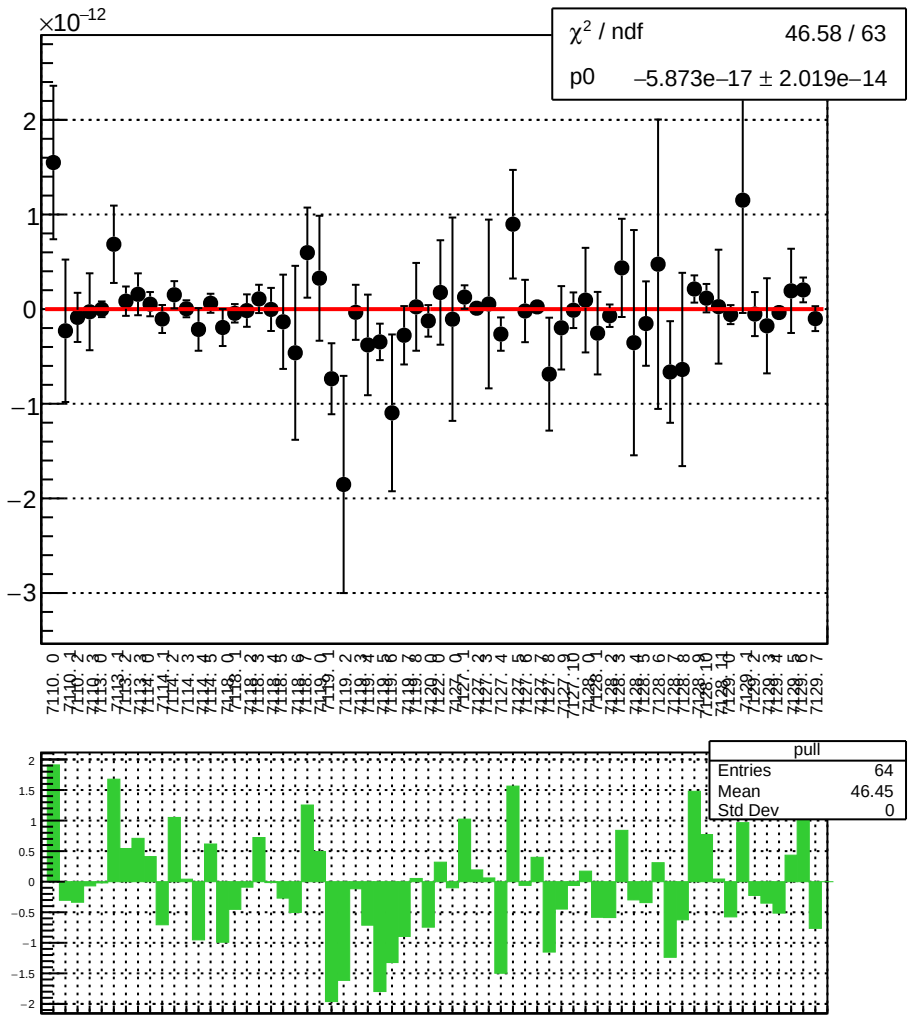

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5762 / 63
p0 0.004629 ± 4.19e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

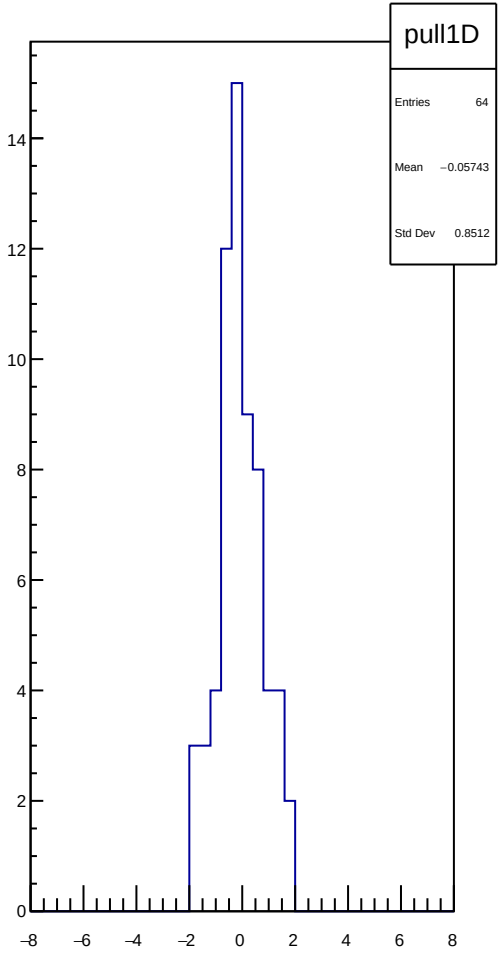

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.94 / 63
p0 −0.03453 ± 0.08595
pull
Entries 64
Mean 77.95
Std Dev 0
pull1D
Entries 64
Mean −0.05925
Std Dev 0.99

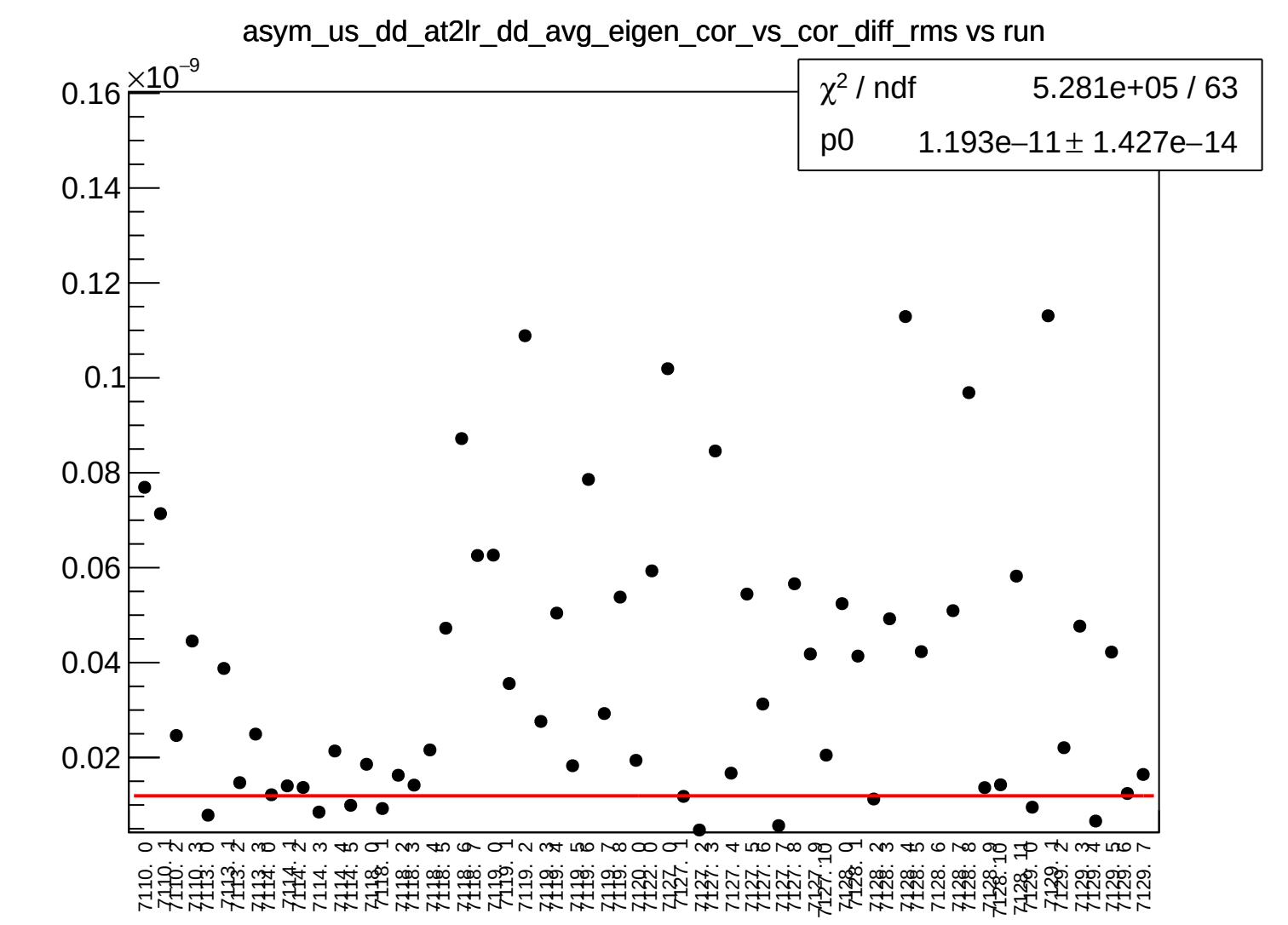

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.923e+05 / 63
p0 61.8 ± 0.06078
250
200
150
100
50

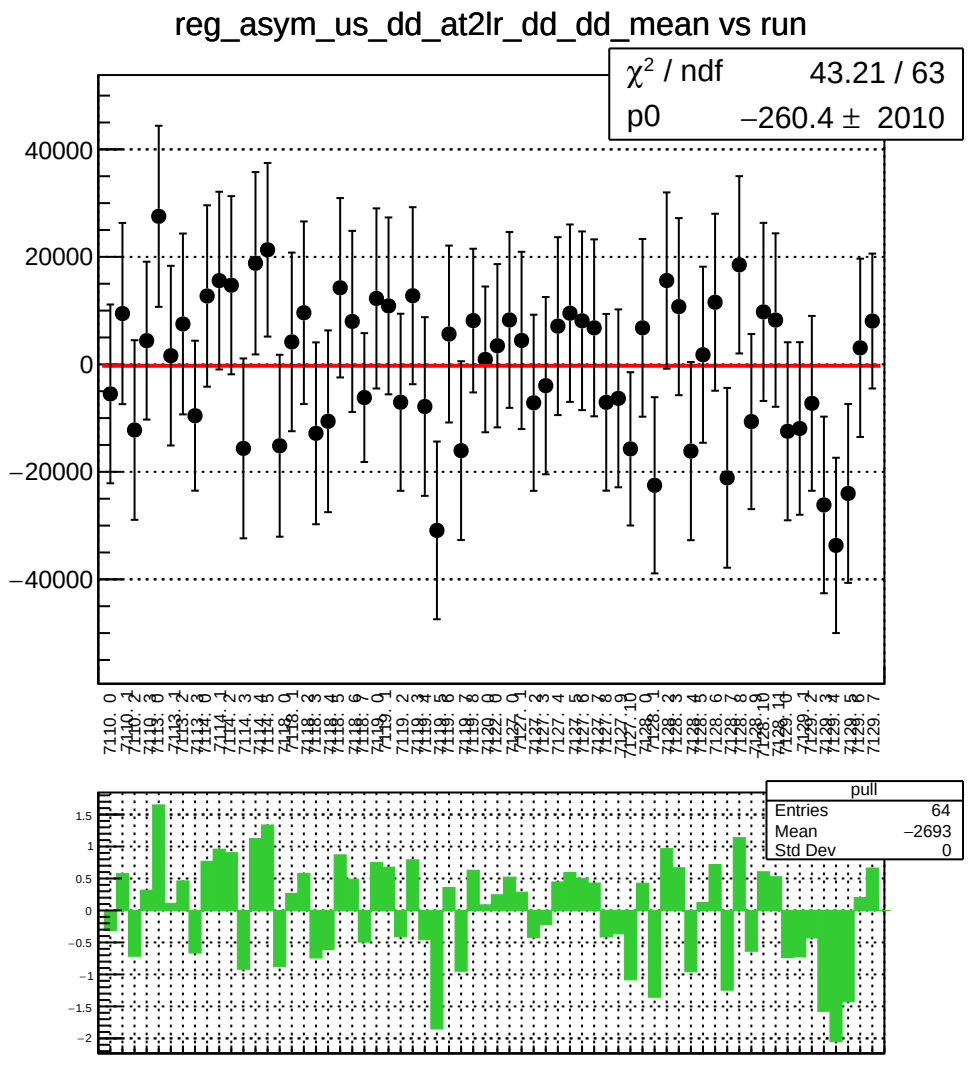

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.94 / 63
p0 −0.03453 ± 0.08595
pull
Entries 64
Mean 77.95
Std Dev 0
pull1D
Entries 64
Mean −0.05925
Std Dev 0.99

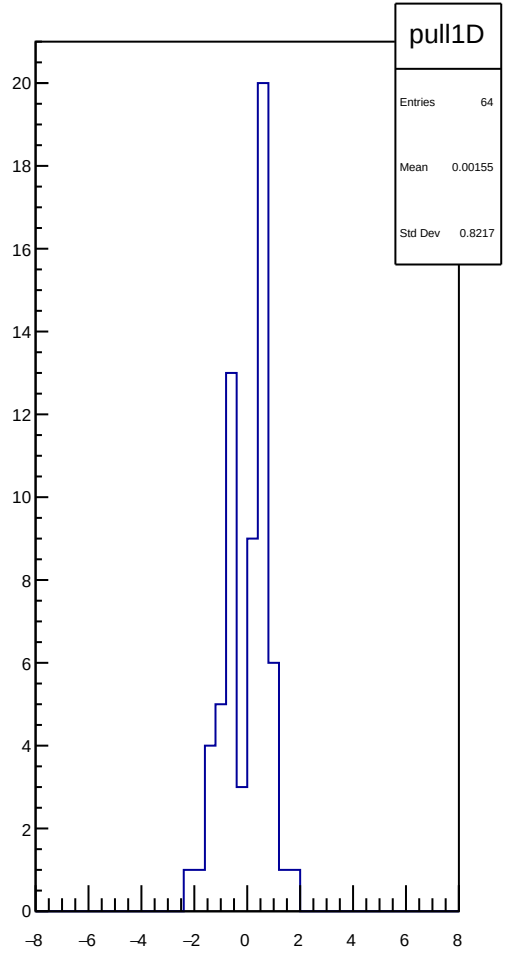

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.923e+05 / 63
p0 61.8 ± 0.06078
250
200
150
100
50

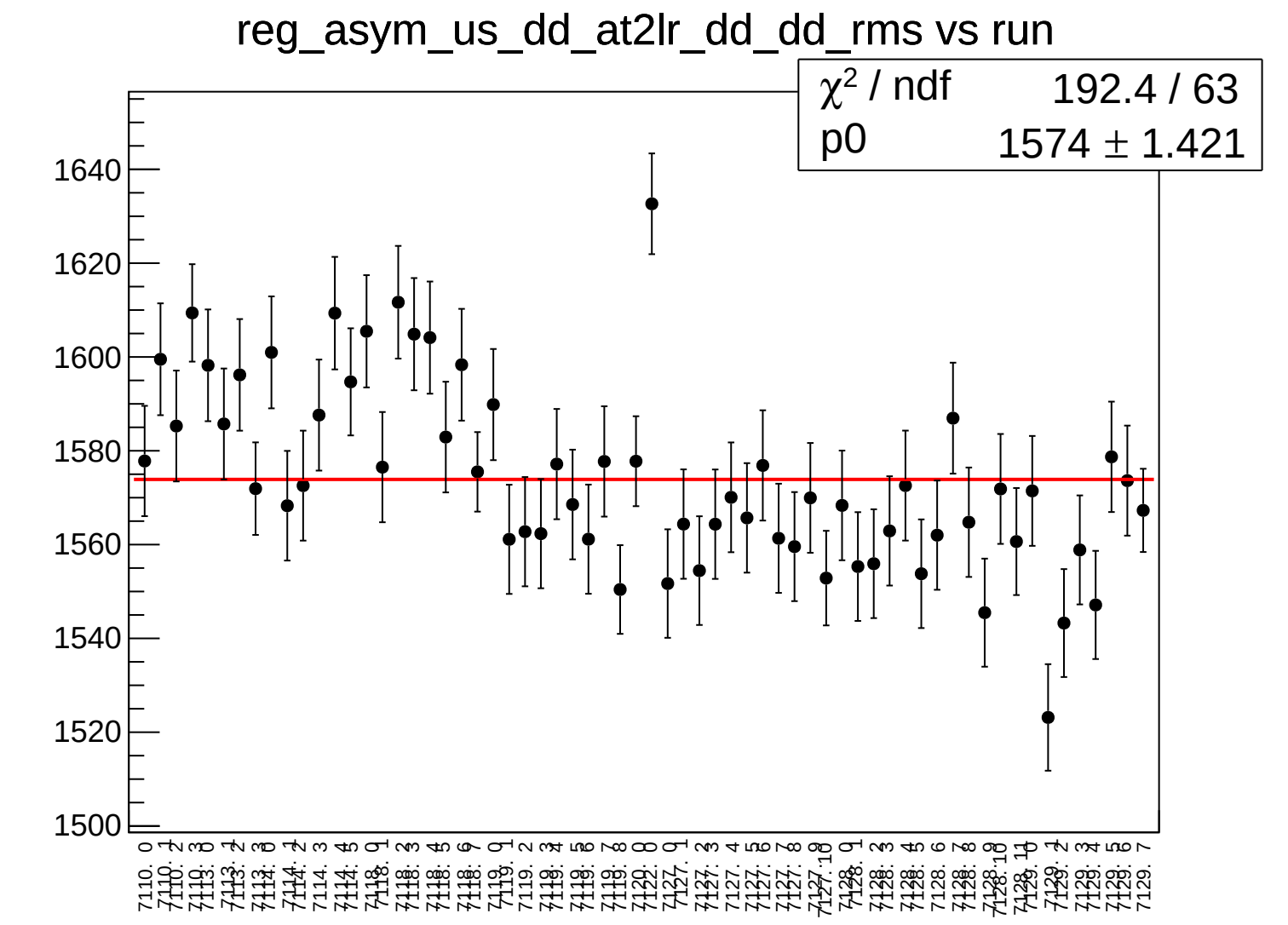

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.58 / 63
p0 −5.873e−17 ± 2.019e−14
pull
Entries 64
Mean 46.45
Std Dev 0

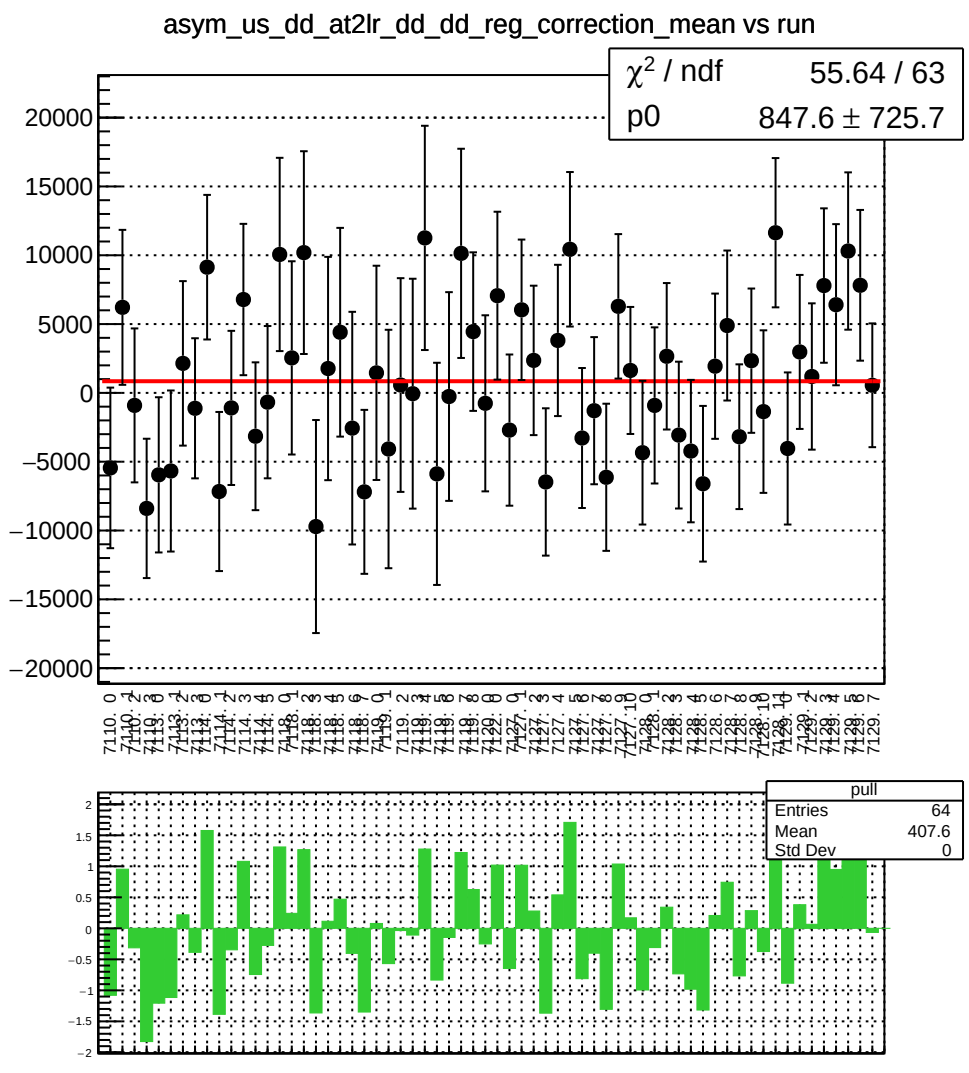

pull1D
Entries 64
Mean −0.05743
Std Dev 0.8512

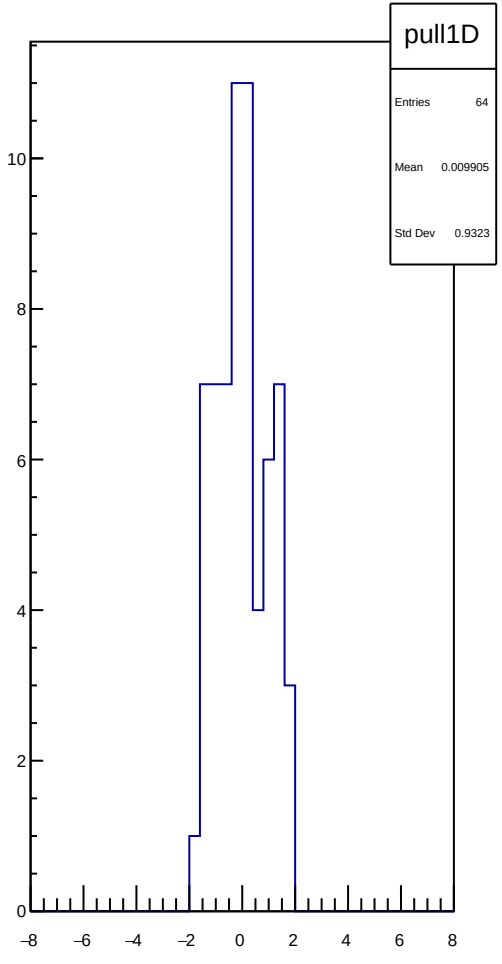

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.281e+05 / 63
p0 1.193e−11 ± 1.427e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

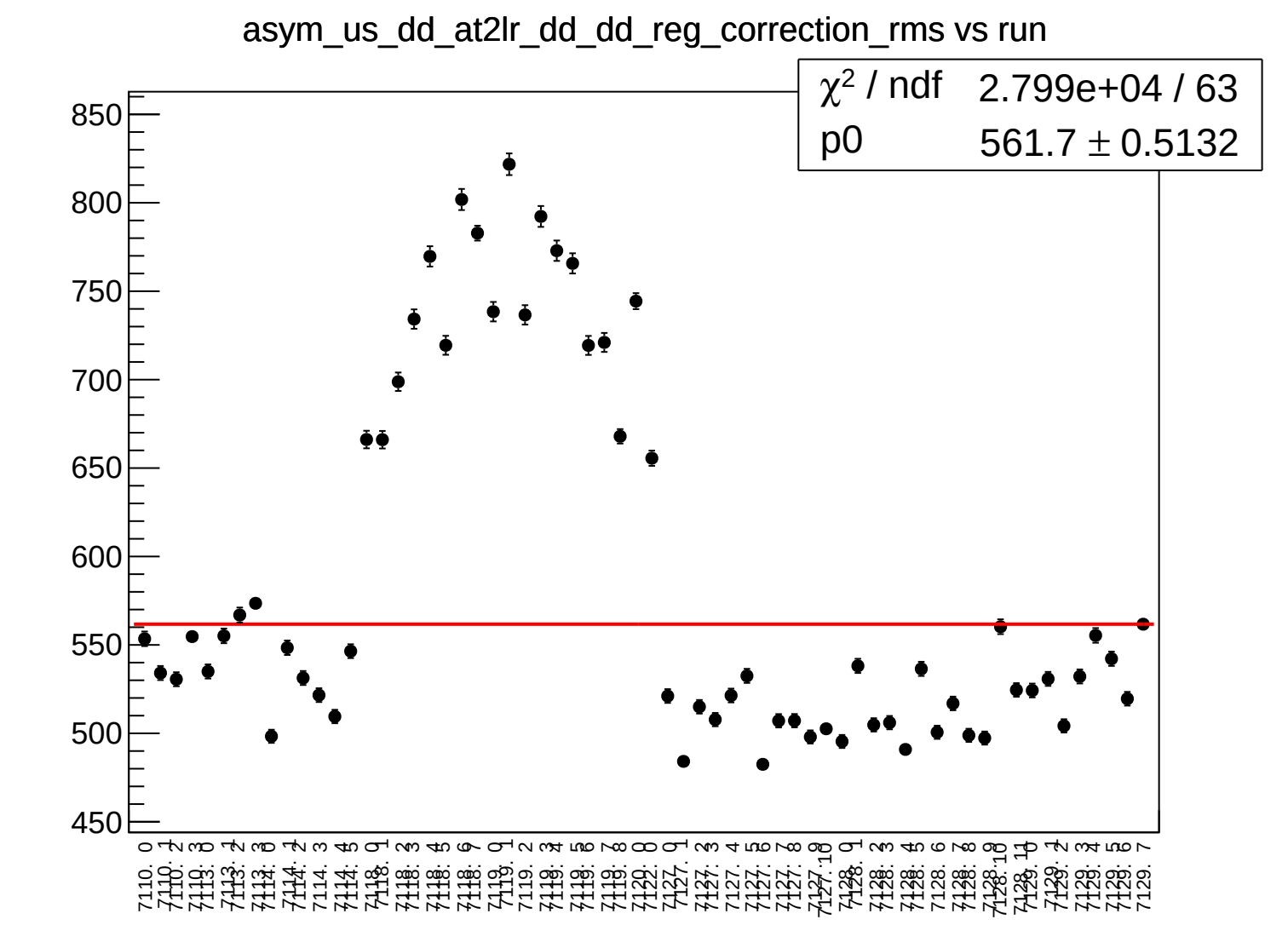

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 43.21 / 63
p0 −260.4 ± 2010
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −2693
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

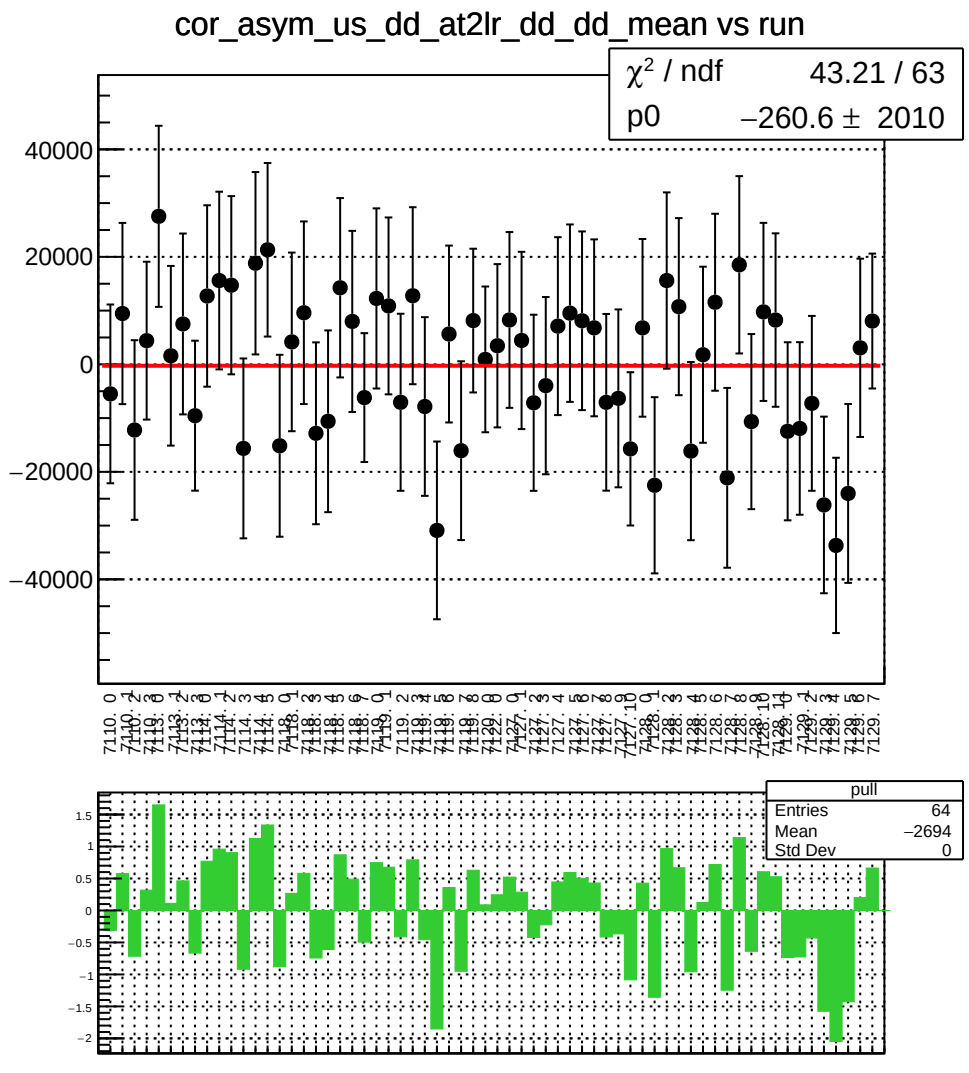

pull1D
Entries 64
Mean 0.00155
Std Dev 0.8217
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

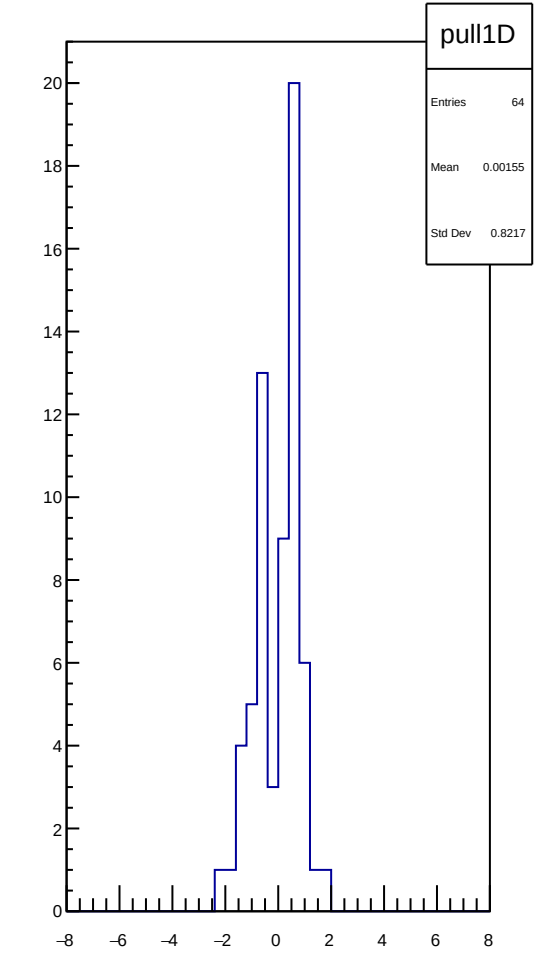

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 192.4 / 63
p0 1574 ± 1.421
1640
1620
1600
1580
1560
1540
1520
1500

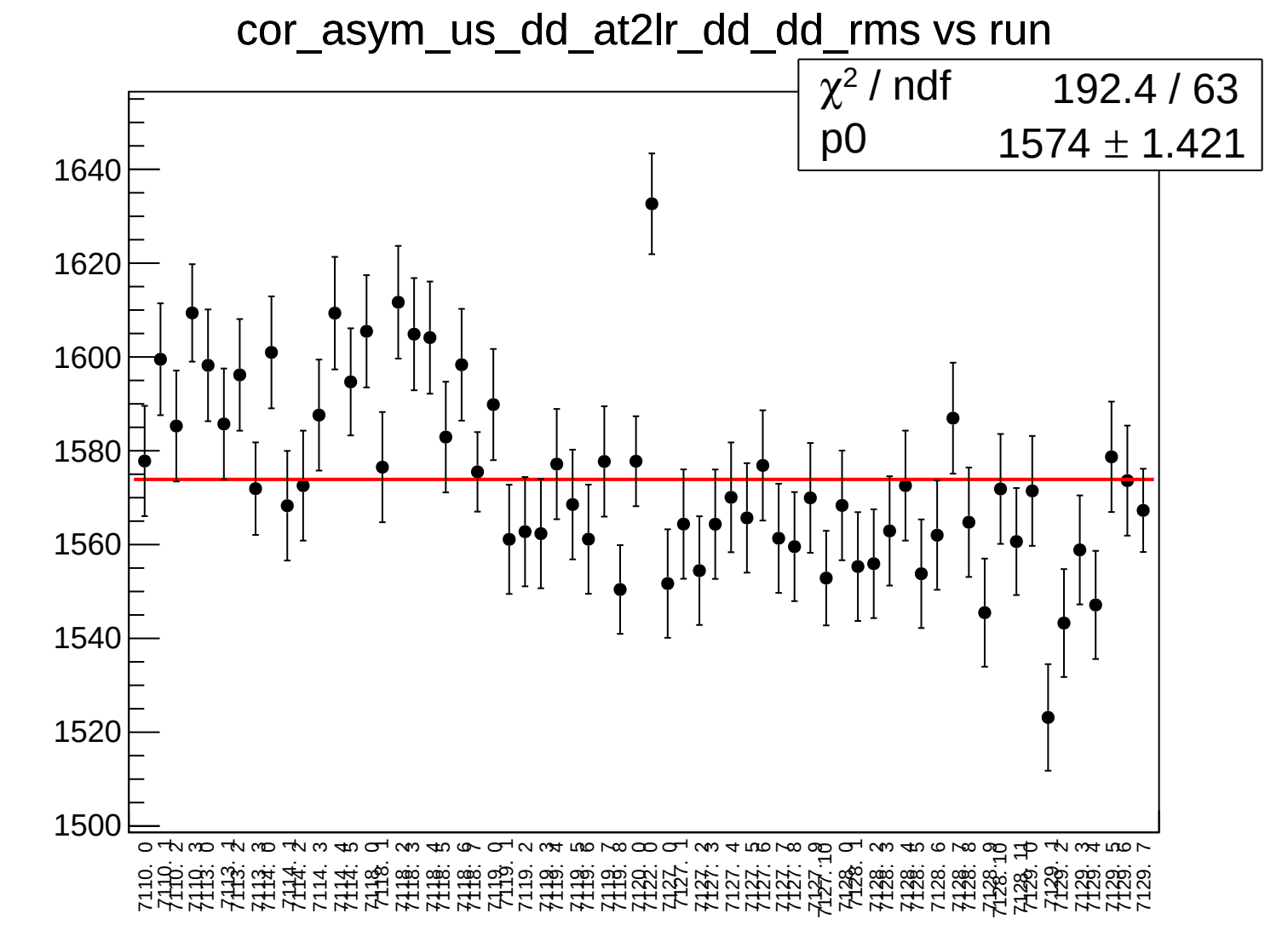

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 55.64 / 63
p0 847.6 ± 725.7
pull
Entries 64
Mean 407.6
Std Dev 0

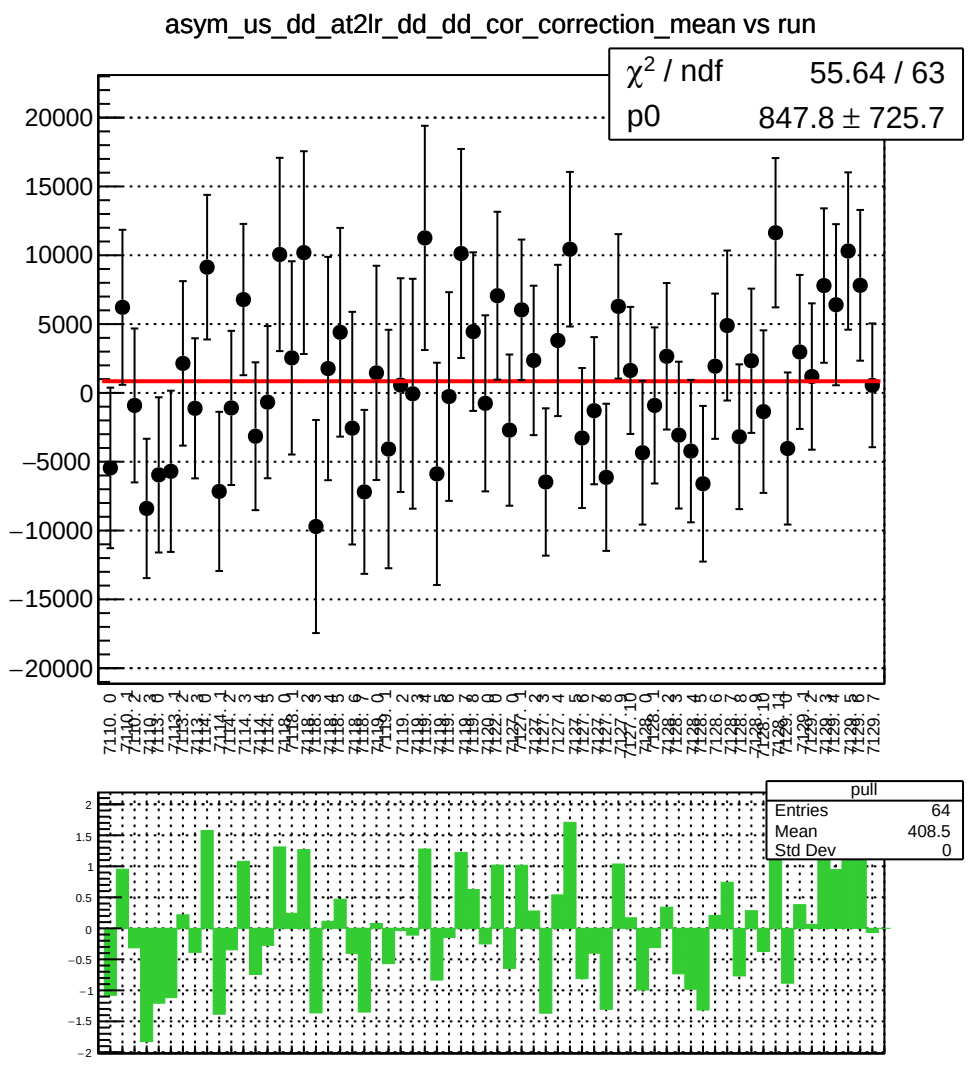

pull1D
Entries 64
Mean 0.009905
Std Dev 0.9323

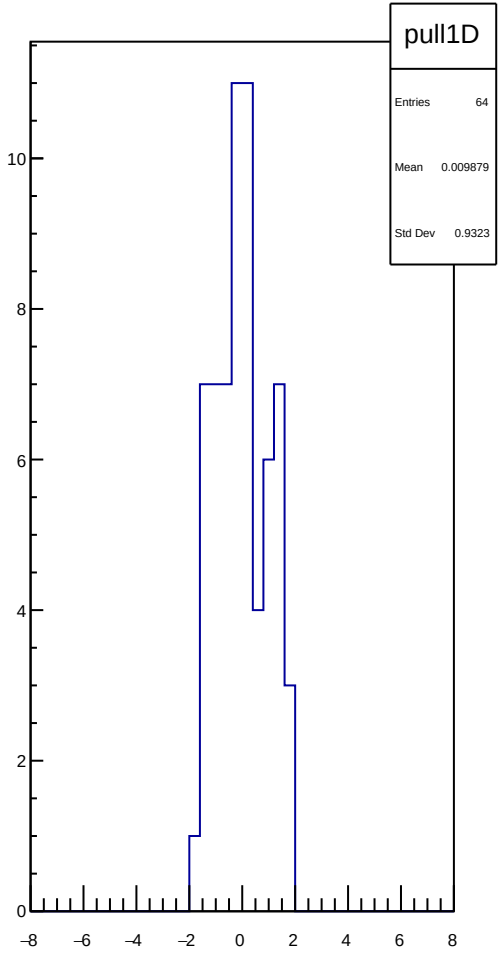

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2.799e+04 / 63
p0 561.7 ± 0.5132
850
800
750
700
650
600
550
500
450

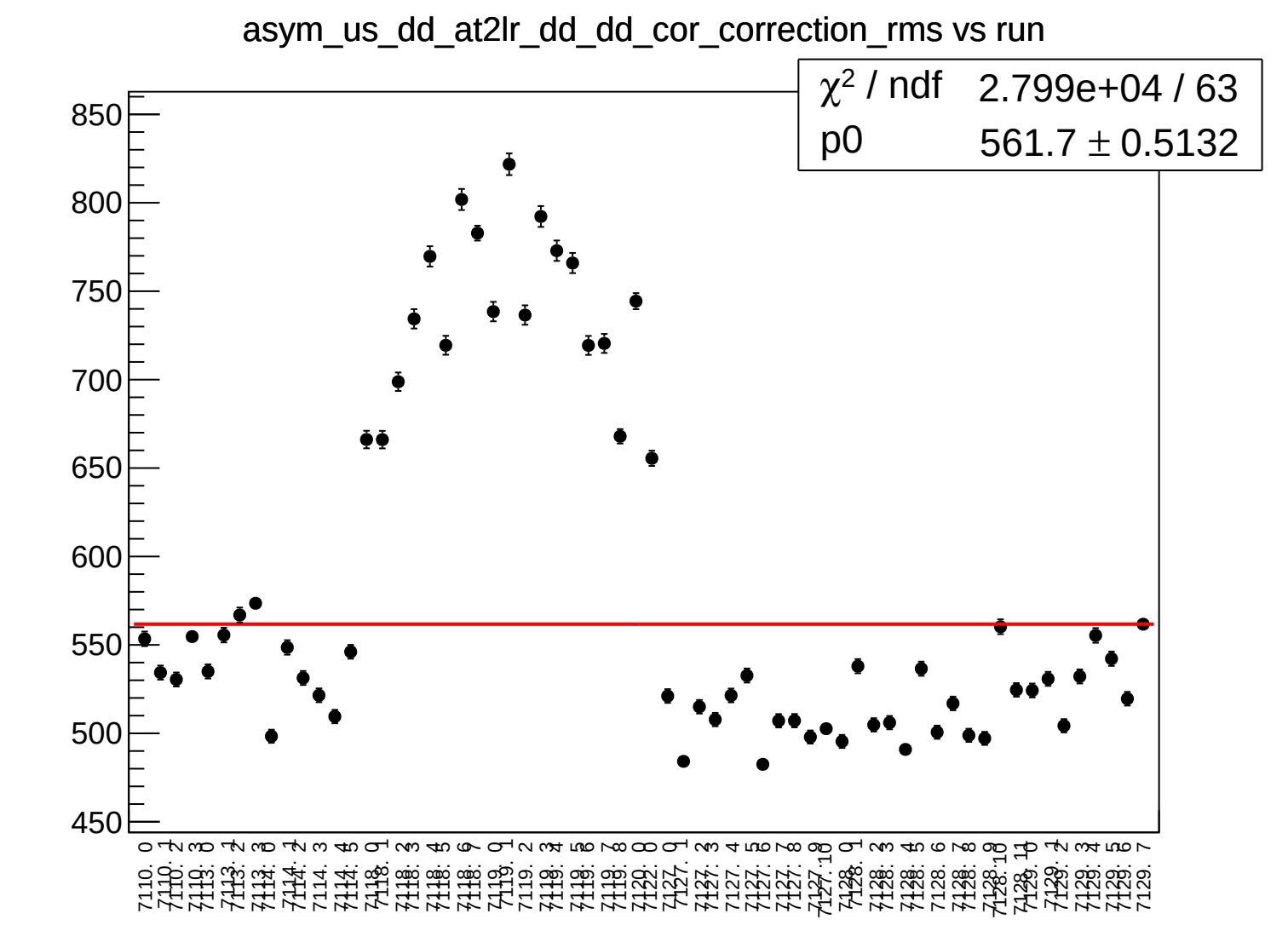

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 43.21 / 63
p0 −260.6 ± 2010
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −2694
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

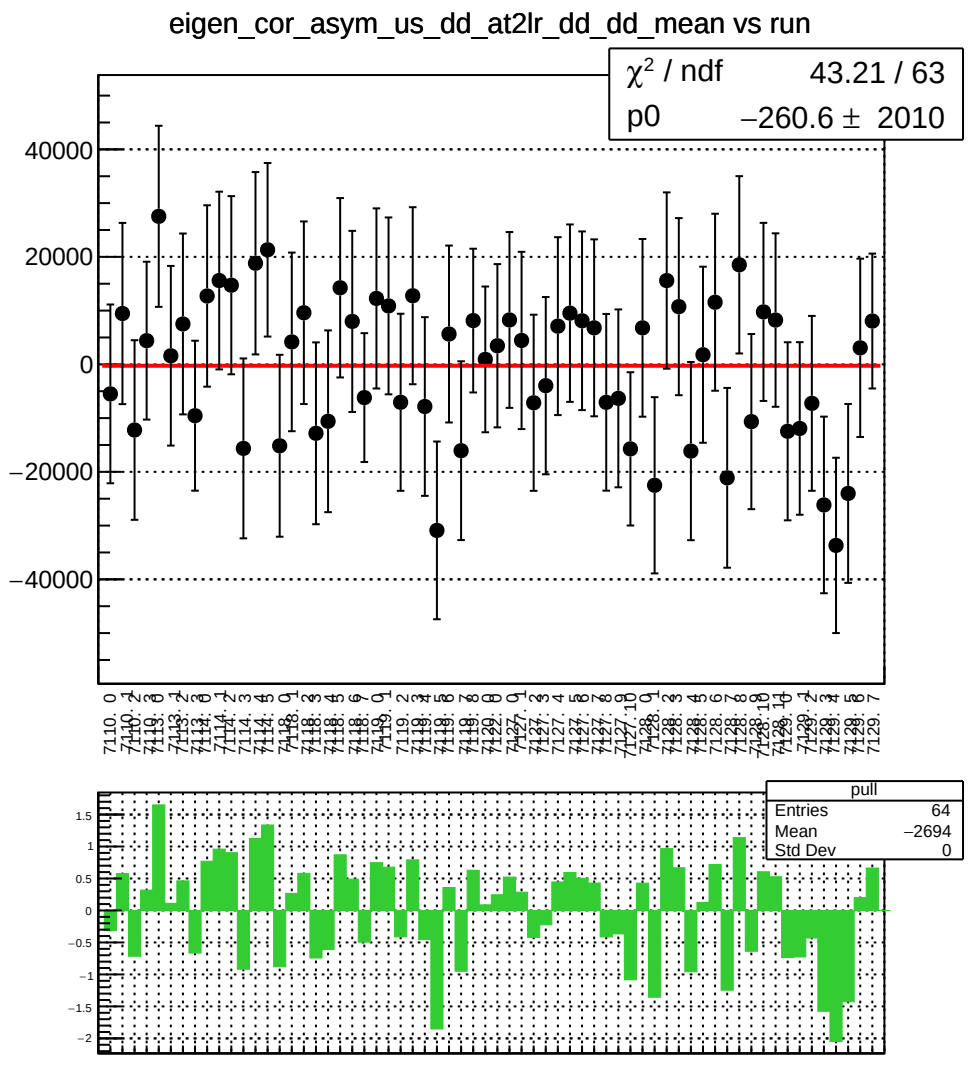

pull1D
Entries 64
Mean 0.00155
Std Dev 0.8217
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

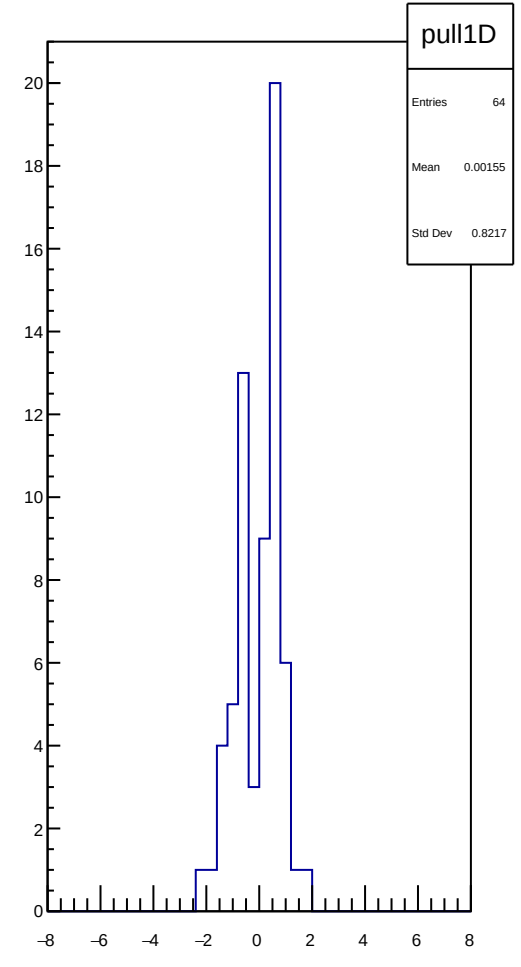

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 192.4 / 63
p0 1574 ± 1.421
1640
1620
1600
1580
1560
1540
1520
1500

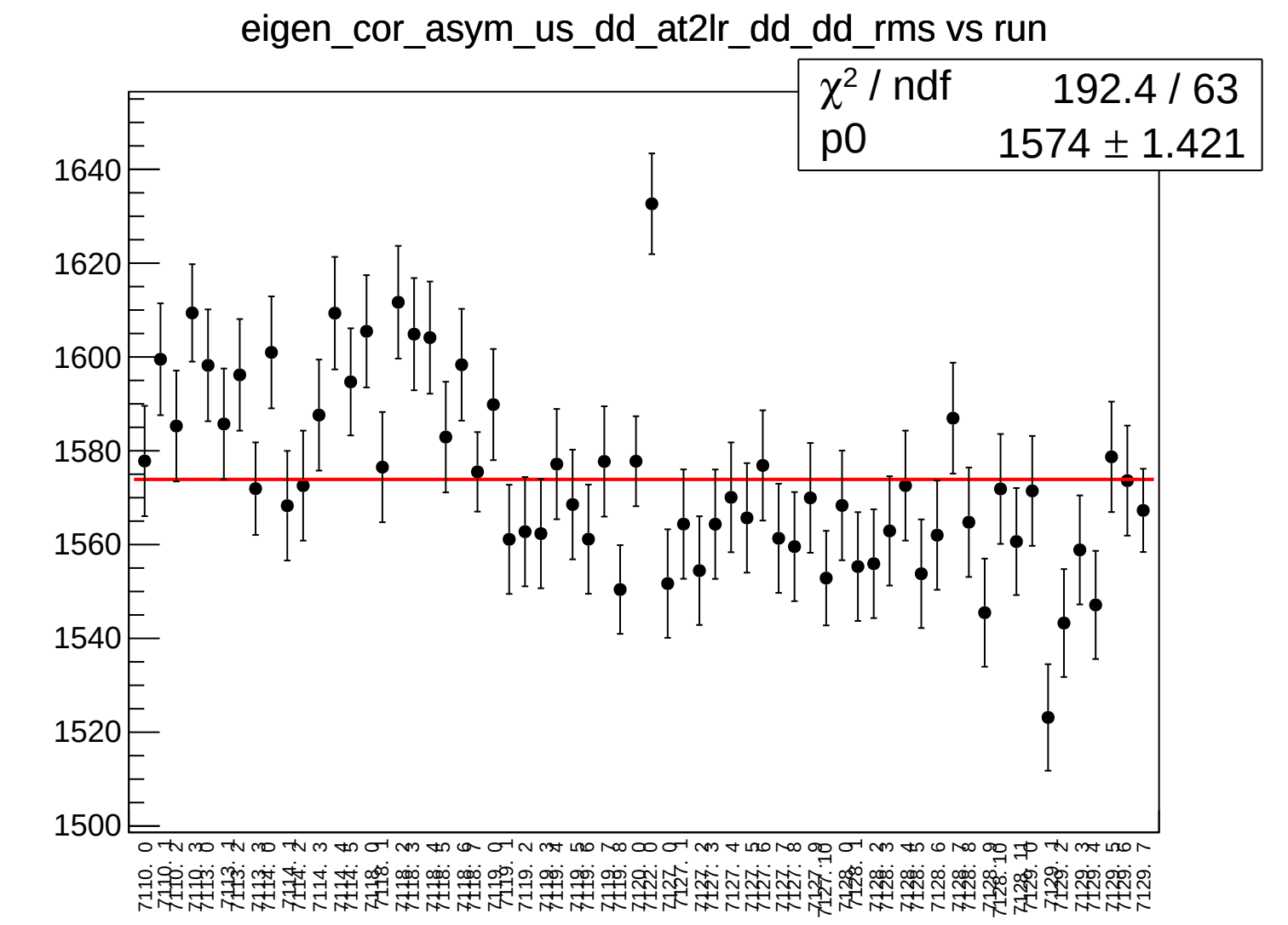

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 55.64 / 63
p0 847.8 ± 725.7
pull
Entries 64
Mean 408.5
Std Dev 0

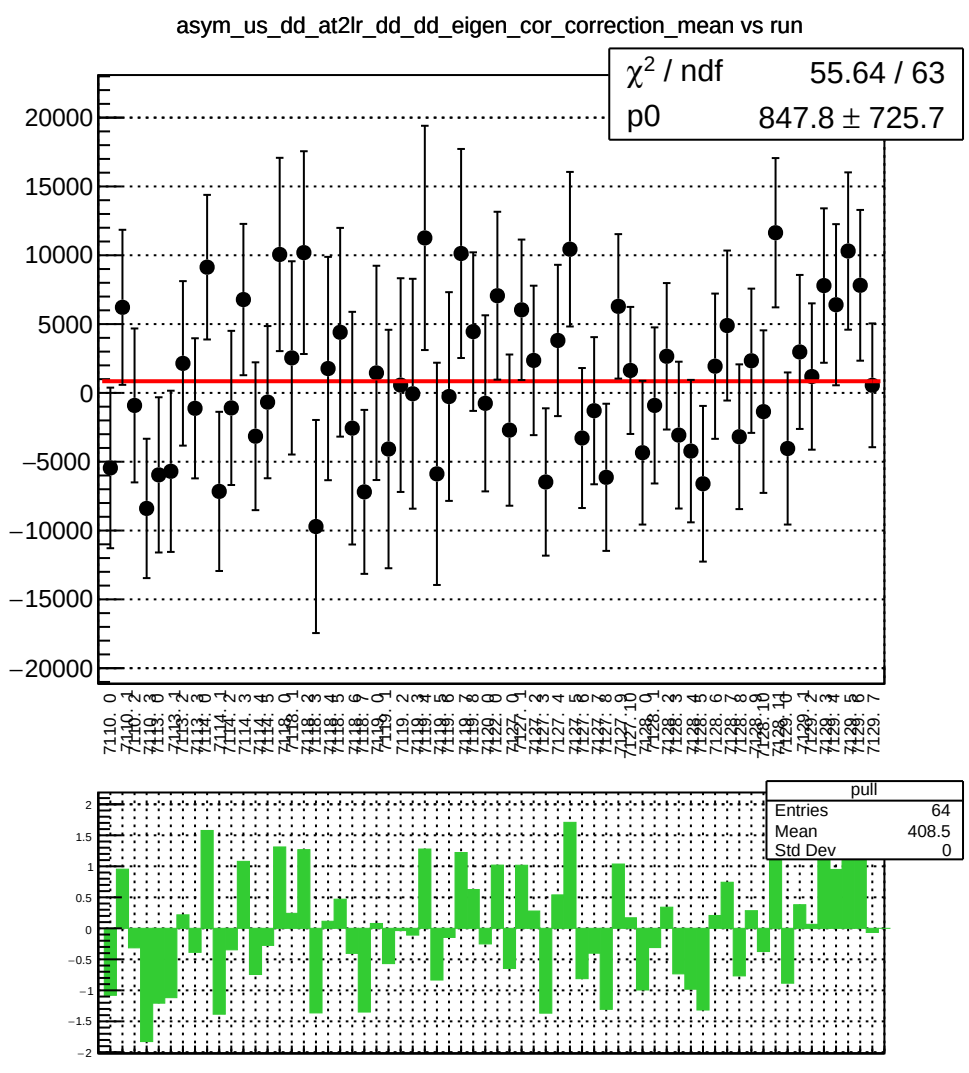

pull1D
Entries 64
Mean 0.009879
Std Dev 0.9323

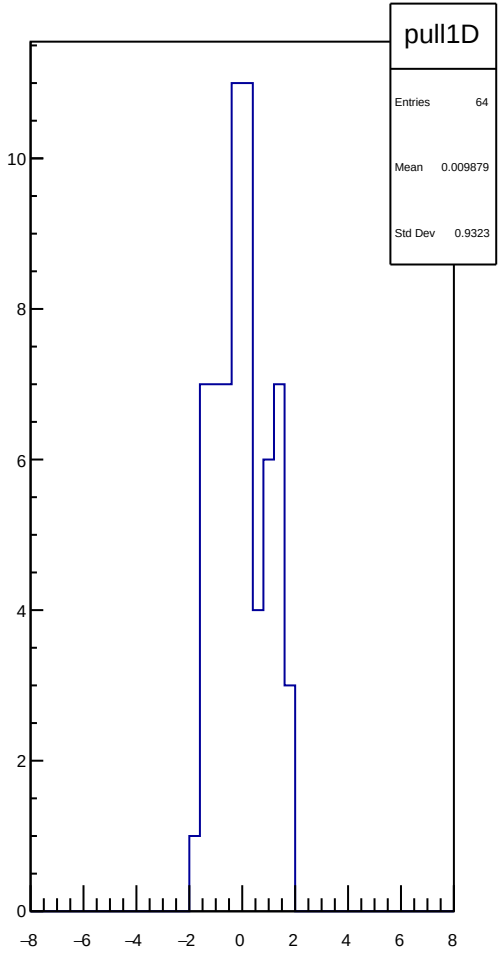

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2.799e+04 / 63
p0 561.7 ± 0.5132
850
800
750
700
650
600
550
500
450

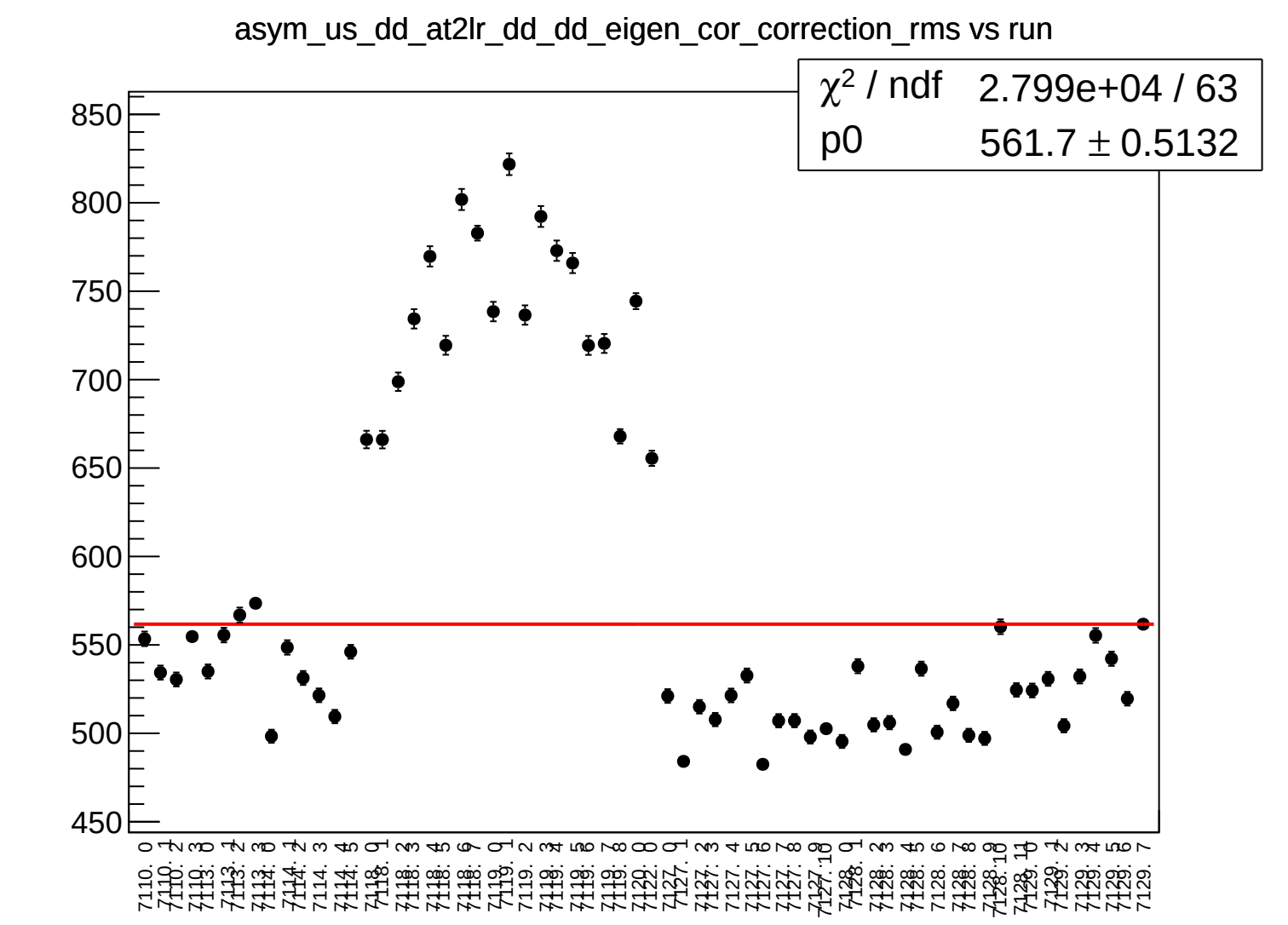

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 43.21 / 63
p0 −260.6 ± 2010
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −2694
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

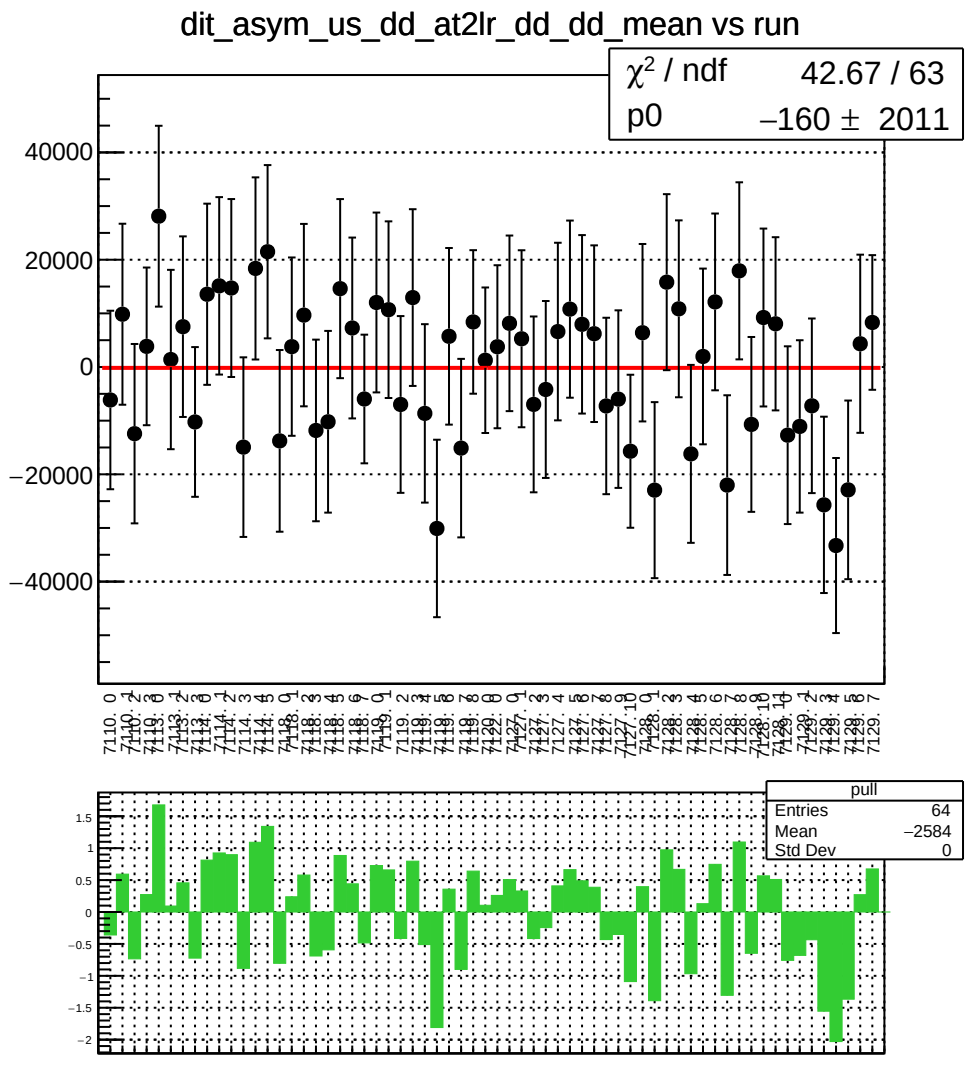

pull1D
Entries 64
Mean 0.00155
Std Dev 0.8217
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

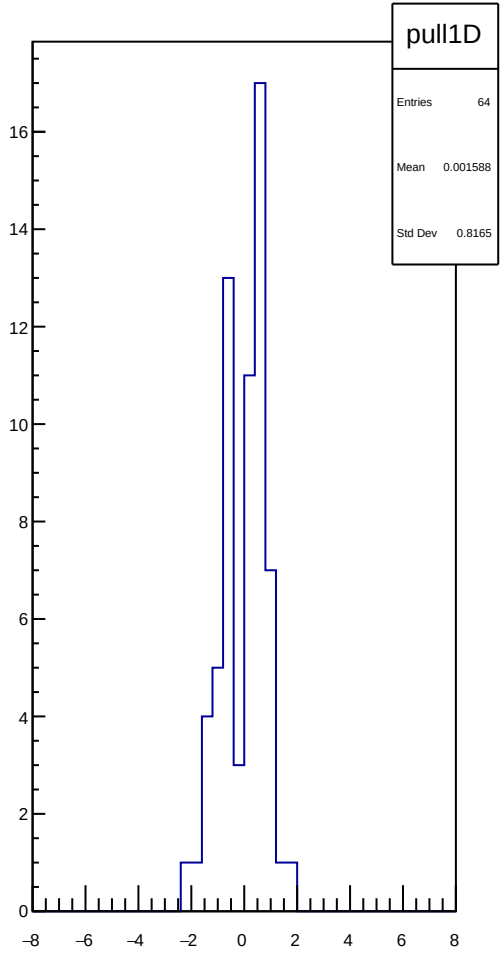

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 192.4 / 63
p0 1574 ± 1.421
1640
1620
1600
1580
1560
1540
1520
1500

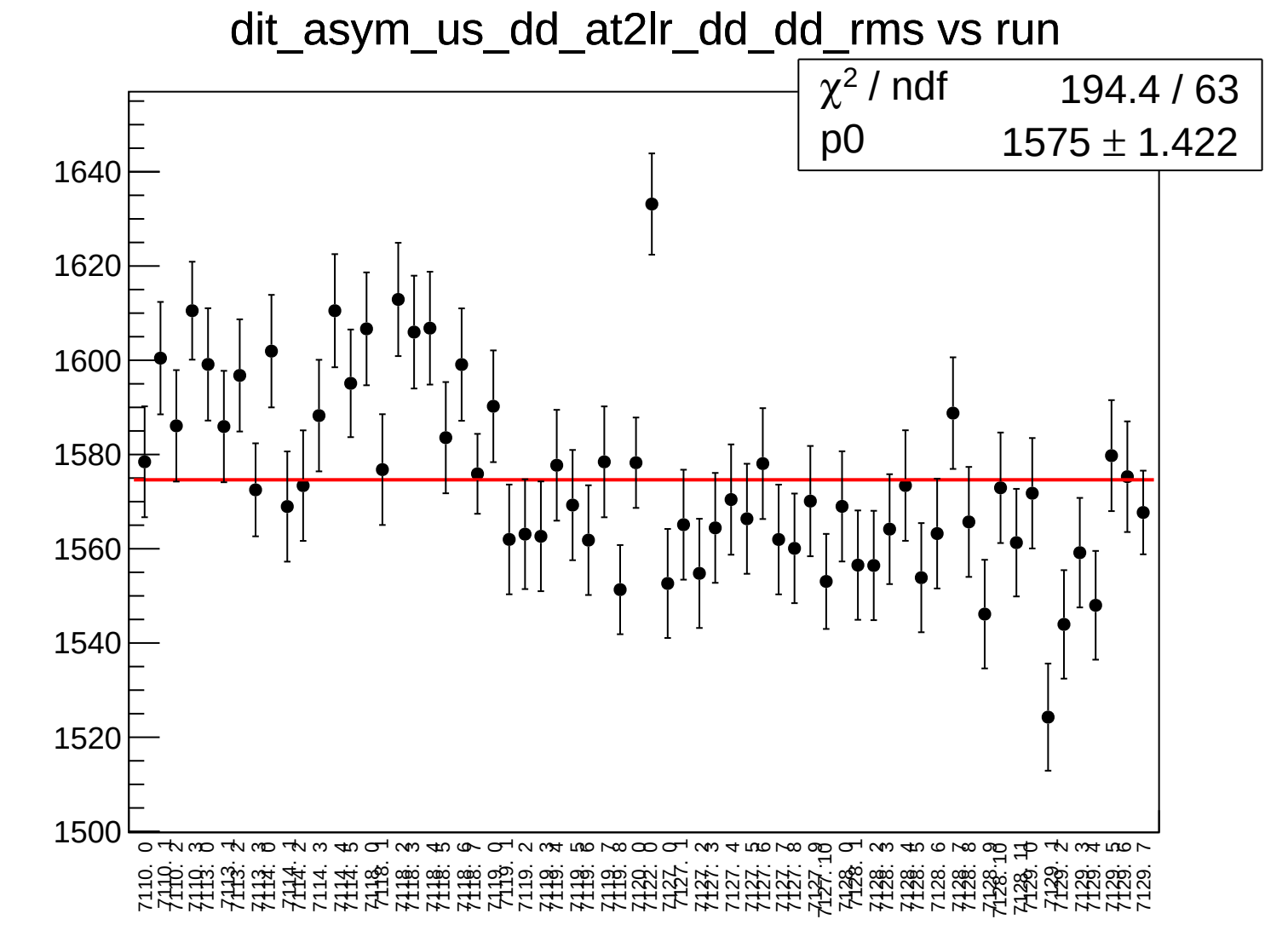

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.64 / 63
p0 847.8 ± 725.7
pull
Entries 64
Mean 408.5
Std Dev 0

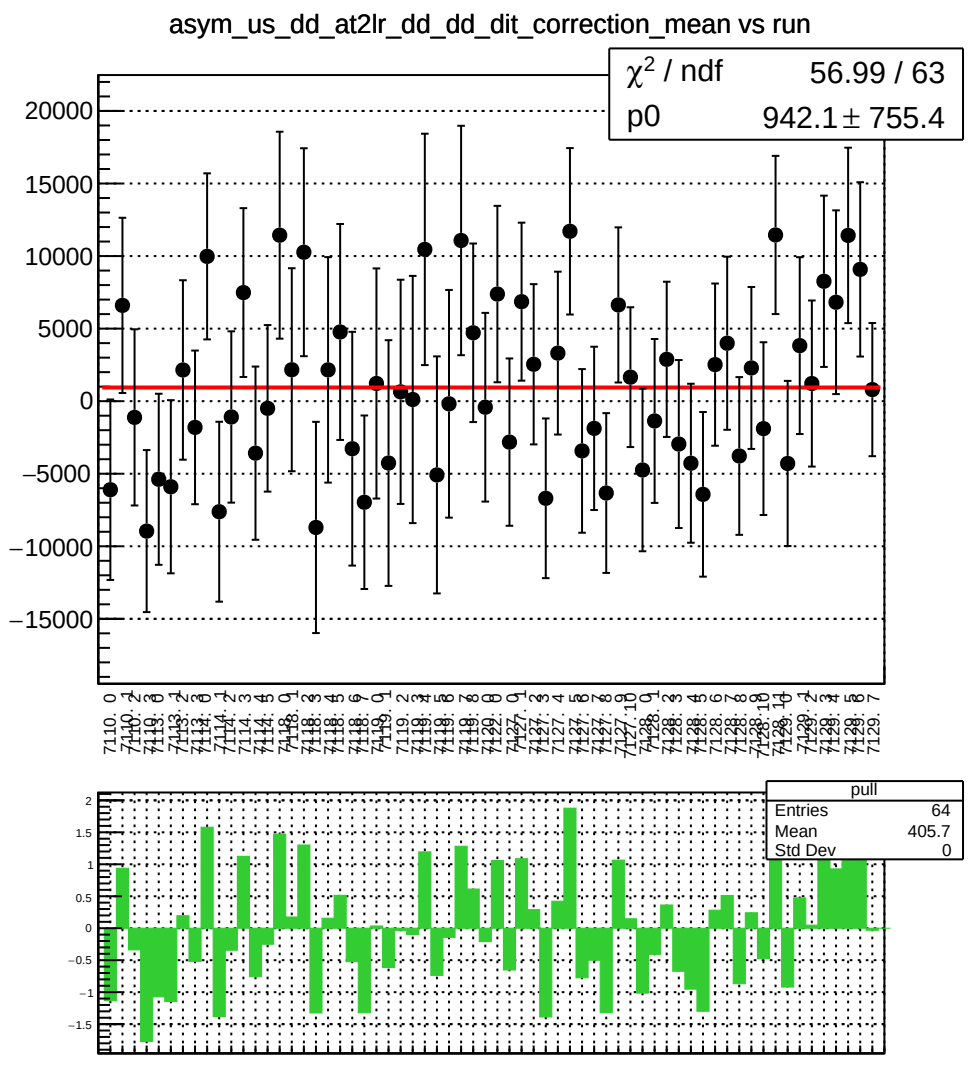

pull1D
Entries 64
Mean 0.009879
Std Dev 0.9323

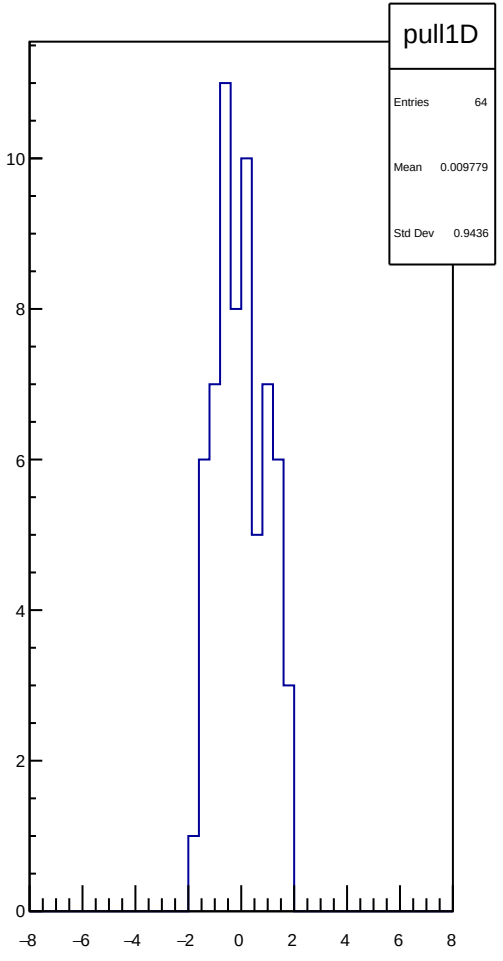

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.799e+04 / 63
p0 561.7 ± 0.5132
850
800
750
700
650
600
550
500
450

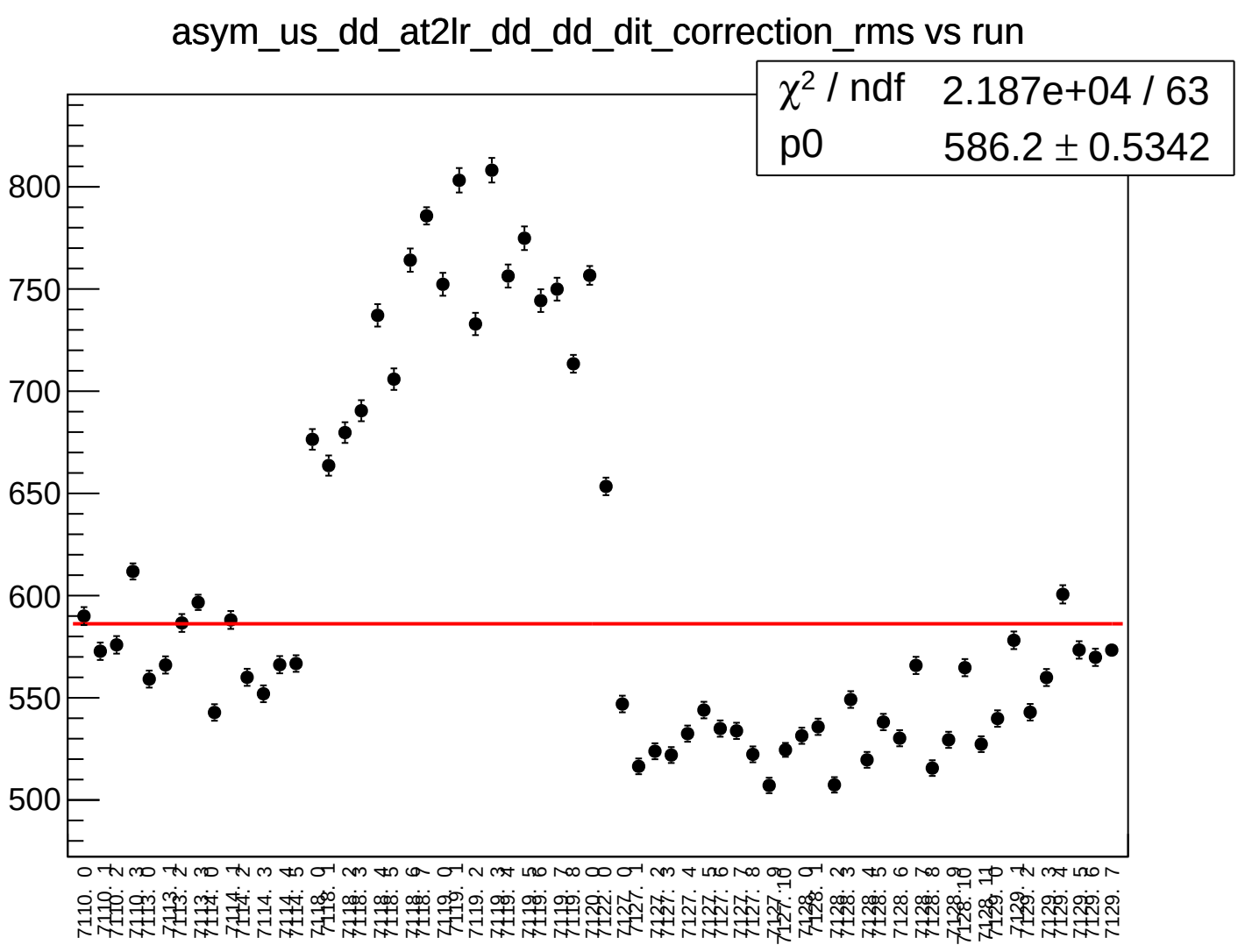

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 42.67 / 63
p0 −160 ± 2011
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −2584
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

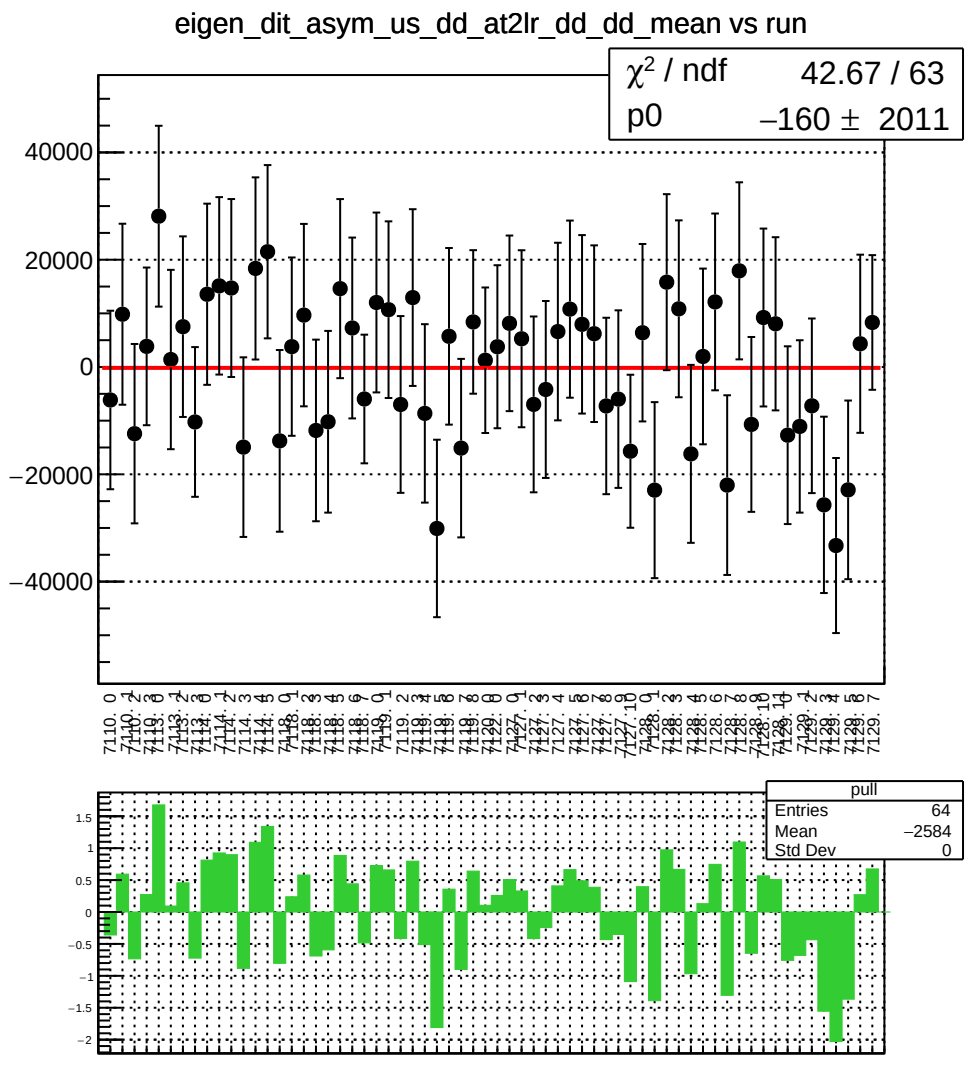

pull1D
Entries 64
Mean 0.001588
Std Dev 0.8165
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

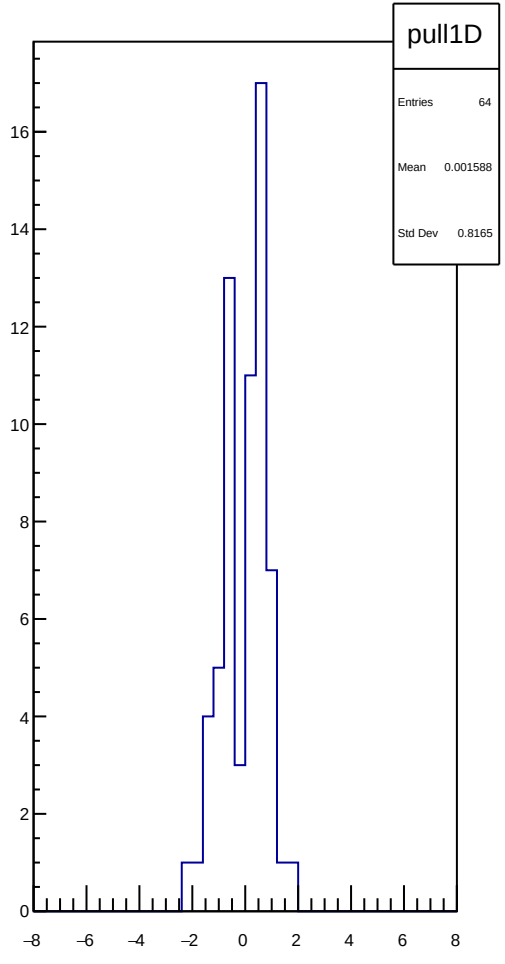

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 194.4 / 63
p0 1575 ± 1.422
1640
1620
1600
1580
1560
1540
1520
1500

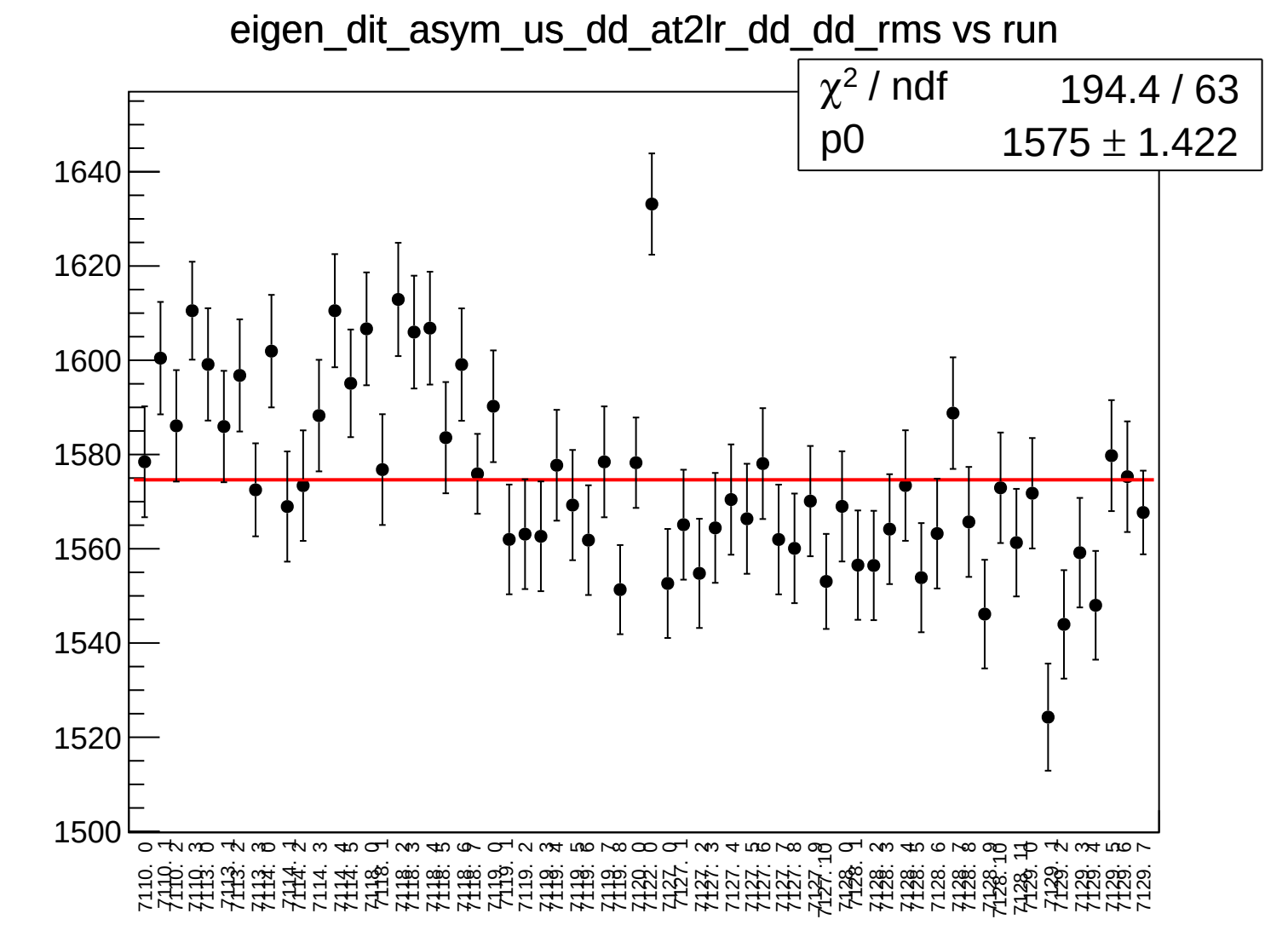

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 56.99 / 63
p0 942.1 ± 755.4
pull
Entries 64
Mean 405.7
Std Dev 0

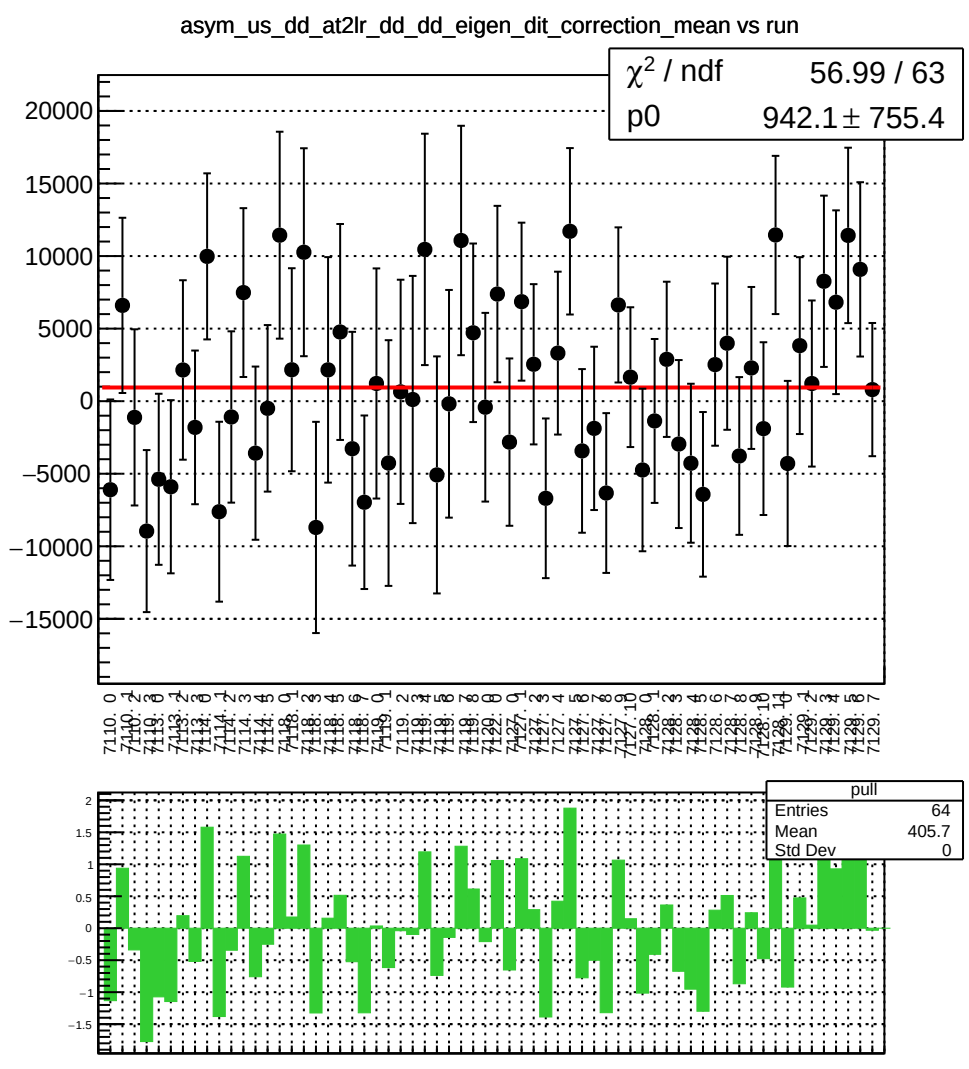

pull1D
Entries 64
Mean 0.009779
Std Dev 0.9436

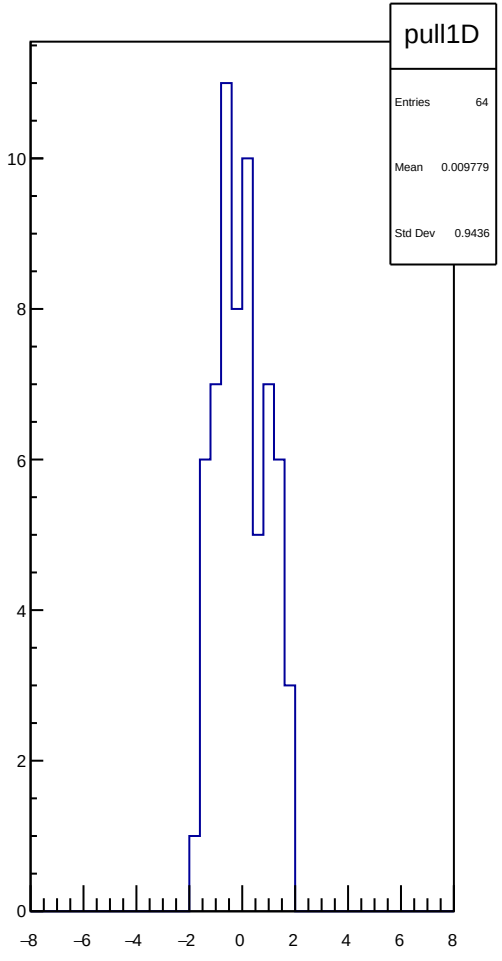

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2.187e+04 / 63
p0 586.2 ± 0.5342
800
750
700
650
600
550
500

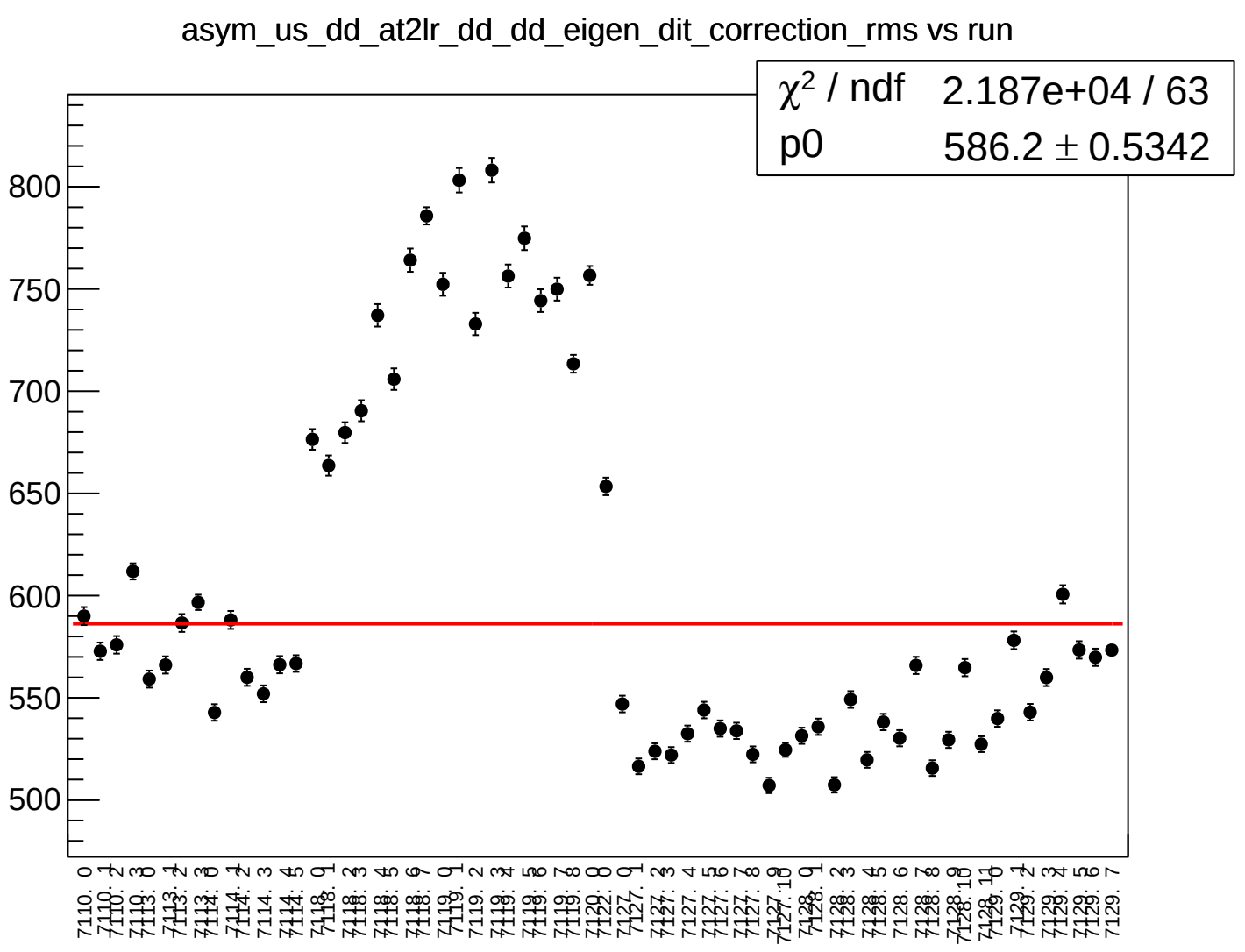

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 42.67 / 63
p0 −160 ± 2011
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −2584
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

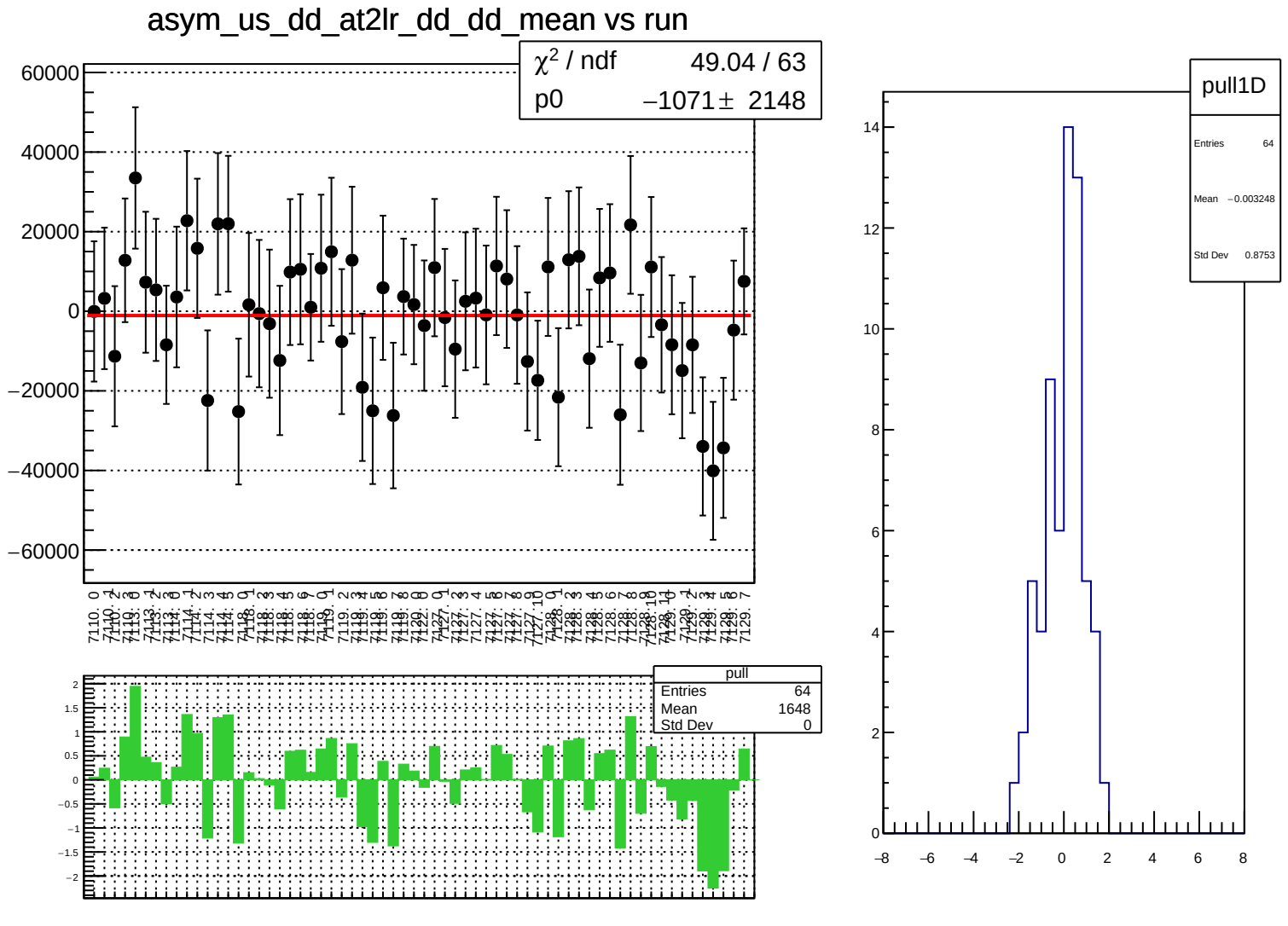

pull1D
Entries 64
Mean 0.001588
Std Dev 0.8165
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

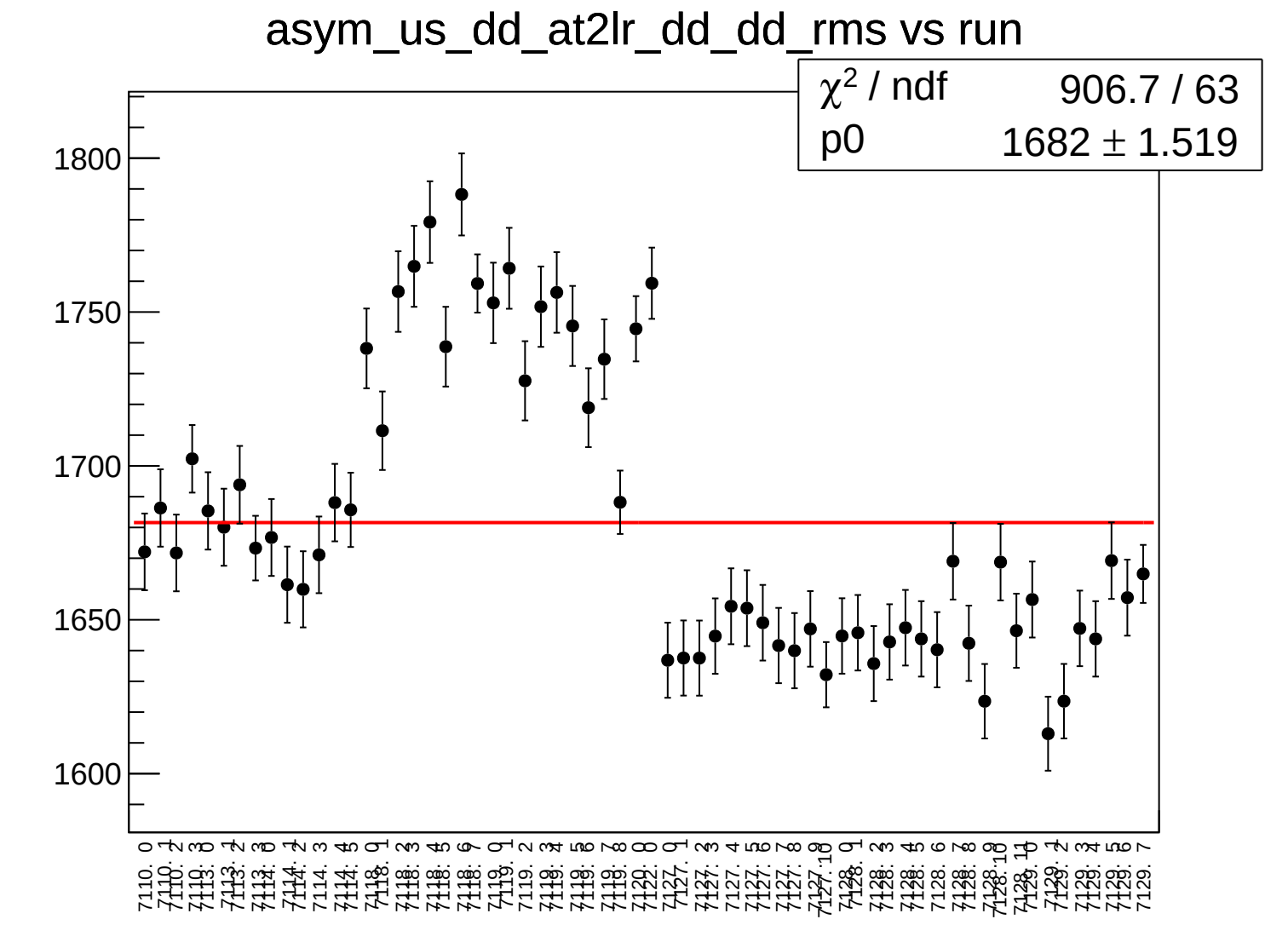

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 194.4 / 63
p0 1575 ± 1.422
1640
1620
1600
1580
1560
1540
1520
1500

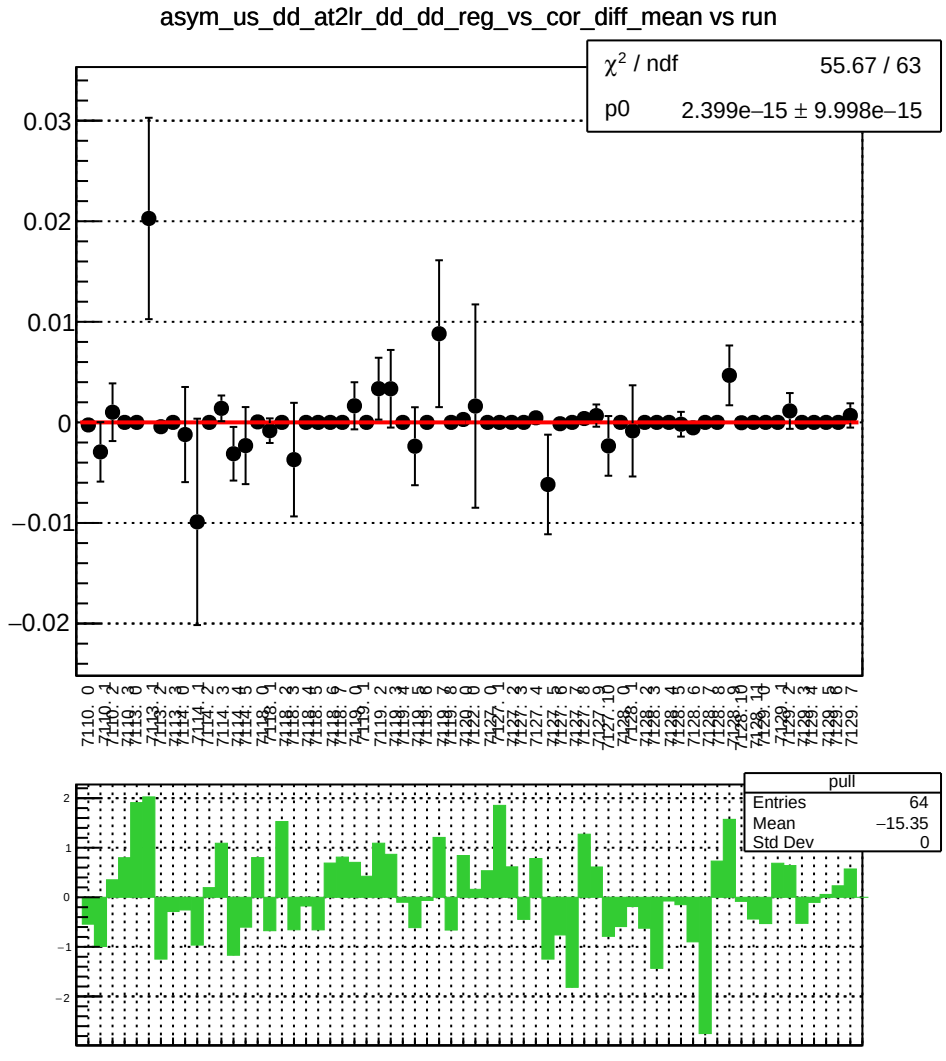

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.99 / 63
p0 942.1 ± 755.4
pull
Entries 64
Mean 405.7
Std Dev 0

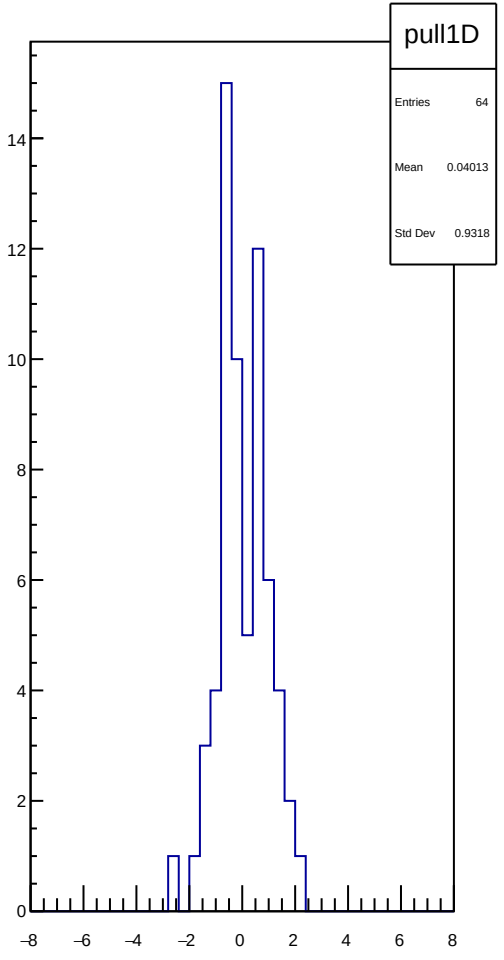

pull1D
Entries 64
Mean 0.009779
Std Dev 0.9436

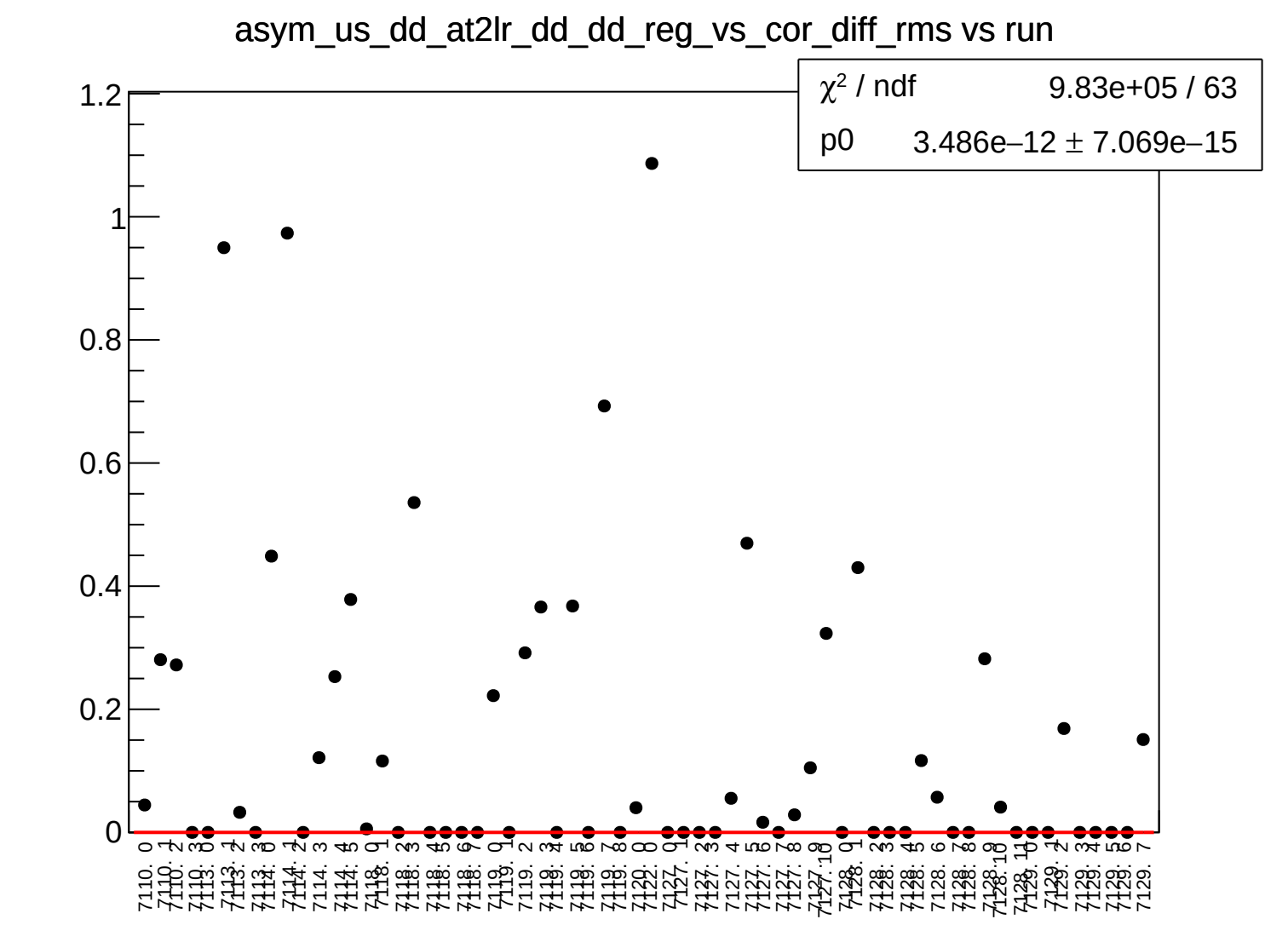

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.187e+04 / 63
p0 586.2 ± 0.5342
800
750
700
650
600
550
500

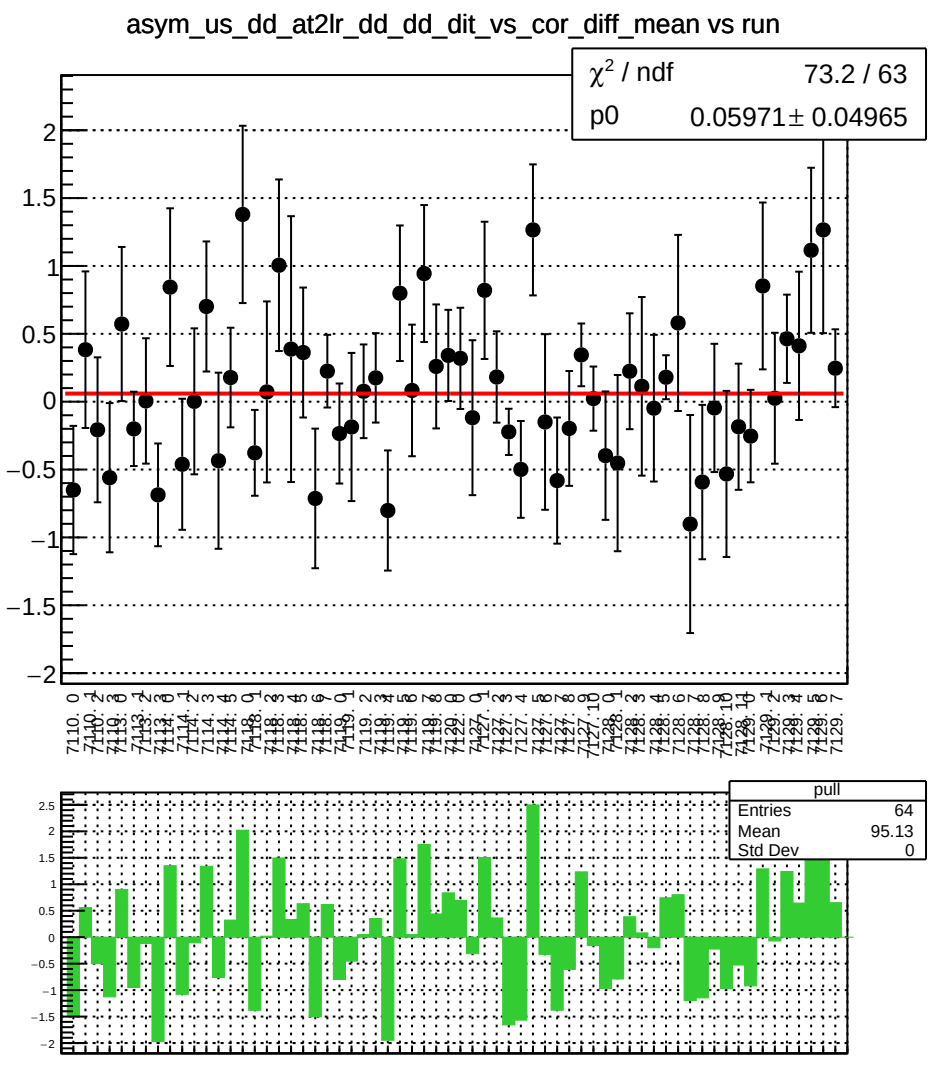

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 49.04 / 63
p0 −1071 ± 2148
pull
Entries 64
Mean 1648
Std Dev 0
pull1D
Entries 64
Mean −0.003248
Std Dev 0.8753

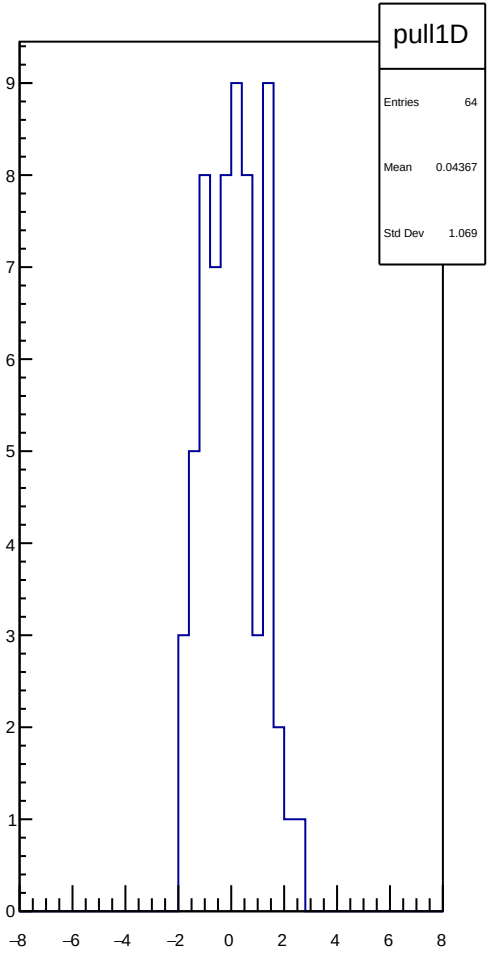

asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 906.7 / 63
p0 1682 ± 1.519
1800
1750
1700
1650
1600

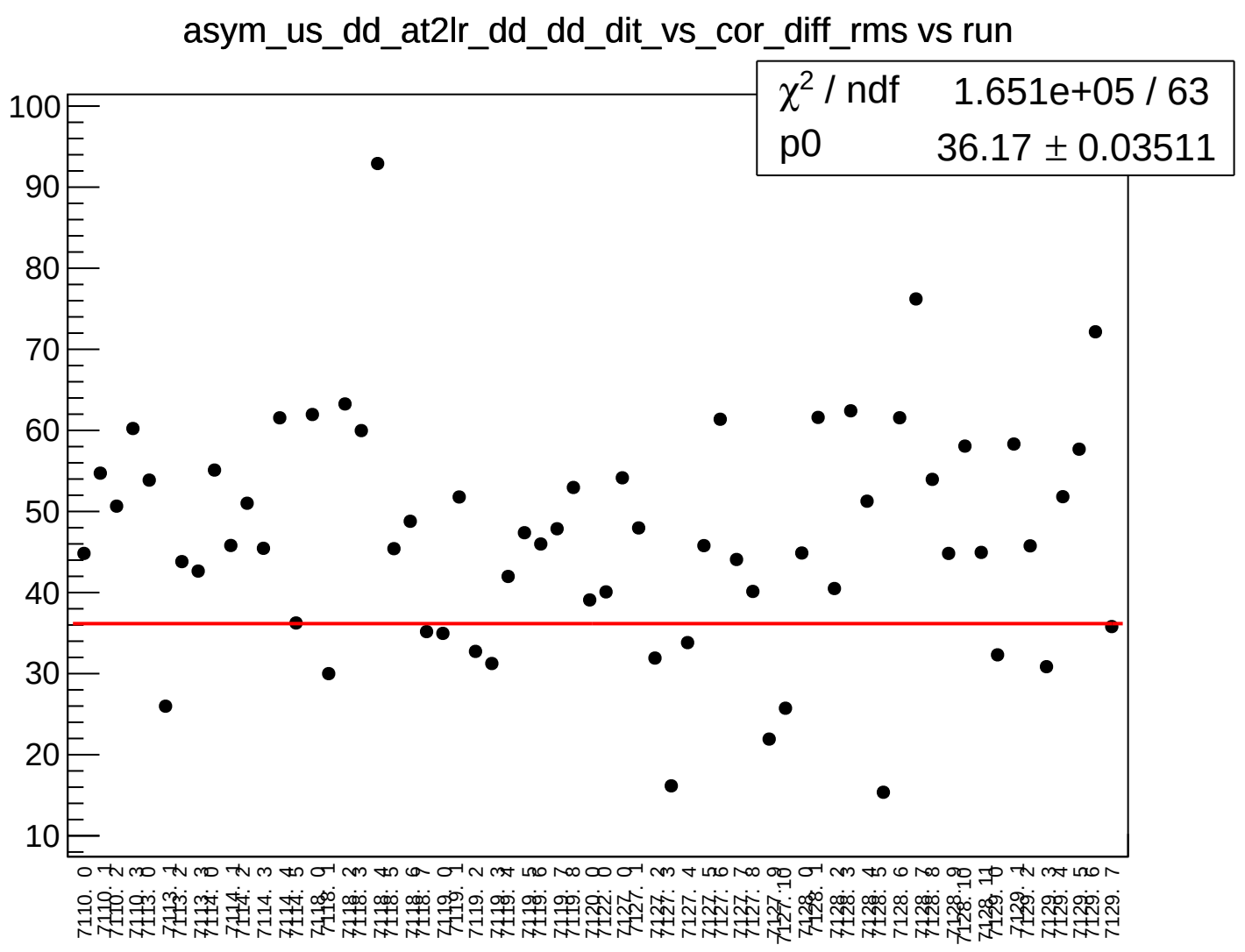

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.67 / 63
p0 2.399e−15 ± 9.998e−15
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean −15.35
Std Dev 0

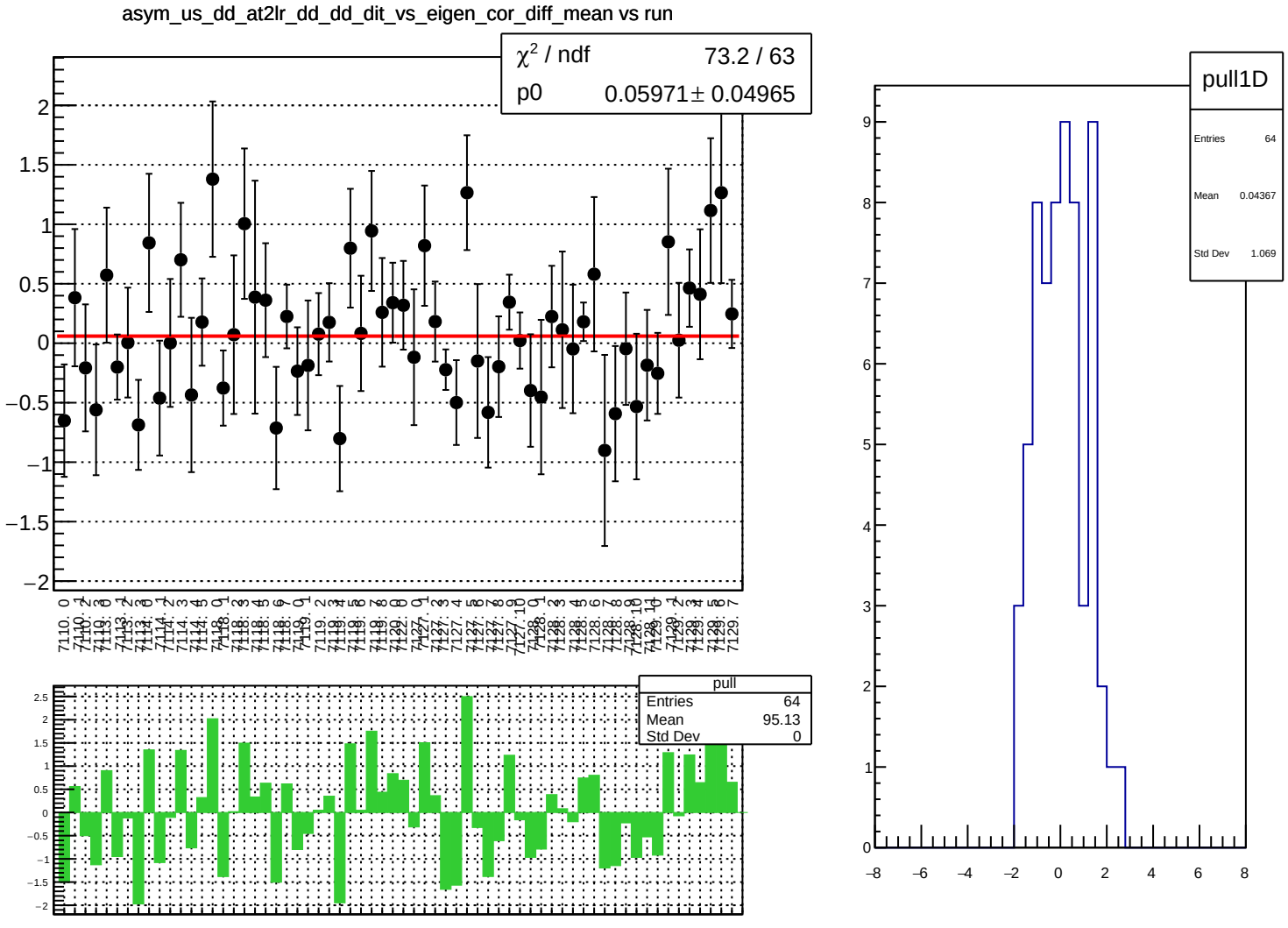

pull1D
Entries 64
Mean 0.04013
Std Dev 0.9318
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

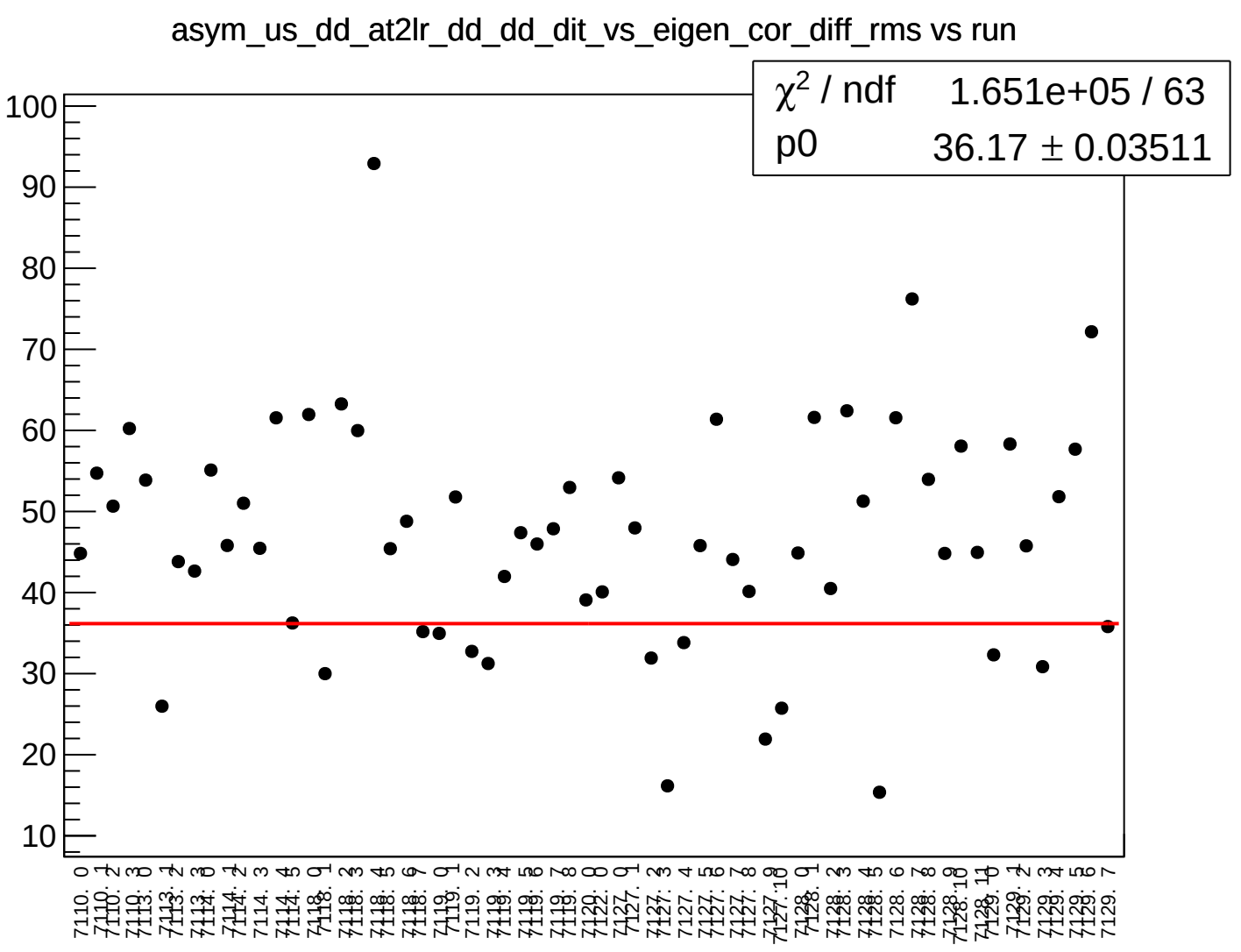

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.83e+05 / 63
p0 3.486e−12 ± 7.069e−15
1.2
1
0.8
0.6
0.4
0.2
0

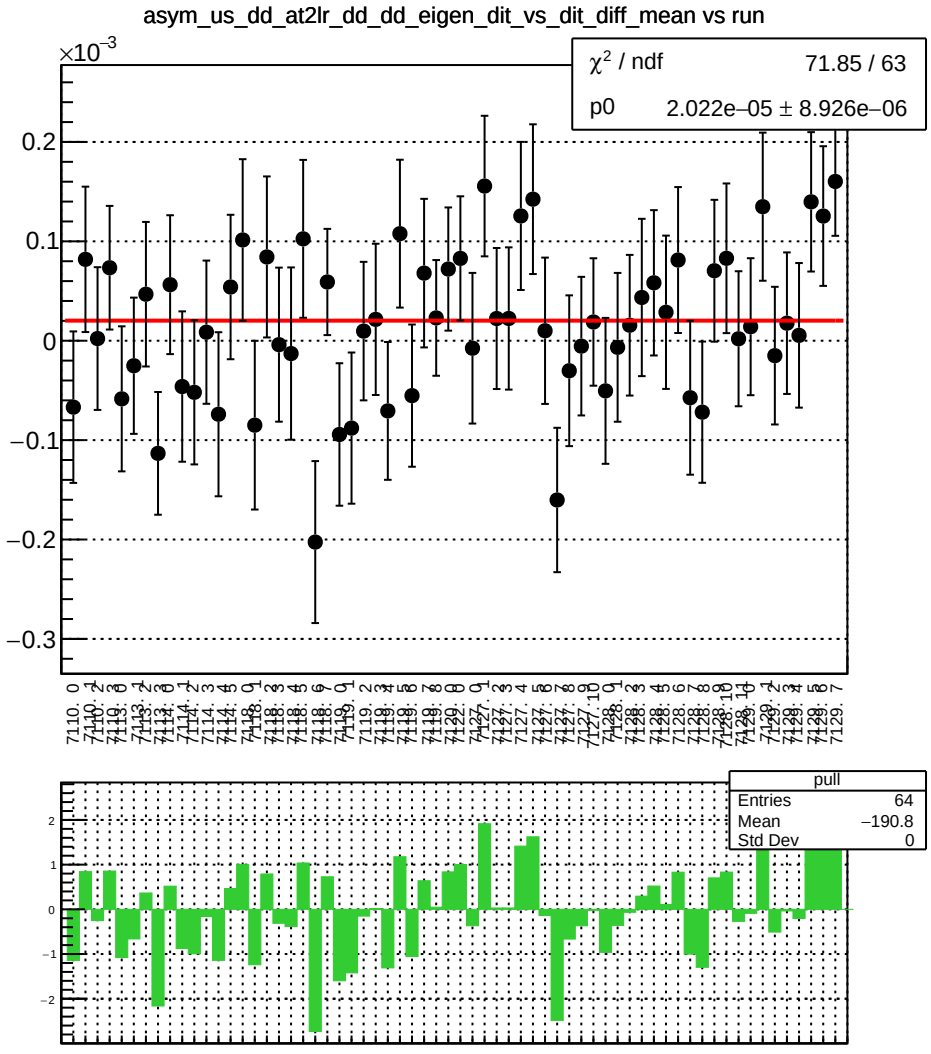

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.2 / 63
p0 0.05971 ± 0.04965
pull
Entries 64
Mean 95.13
Std Dev 0

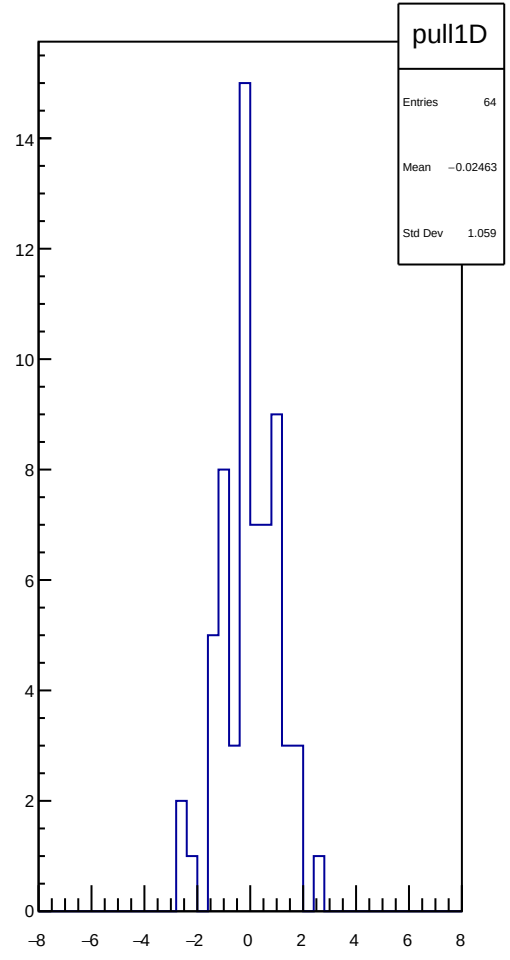

pull1D
Entries 64
Mean 0.04367
Std Dev 1.069

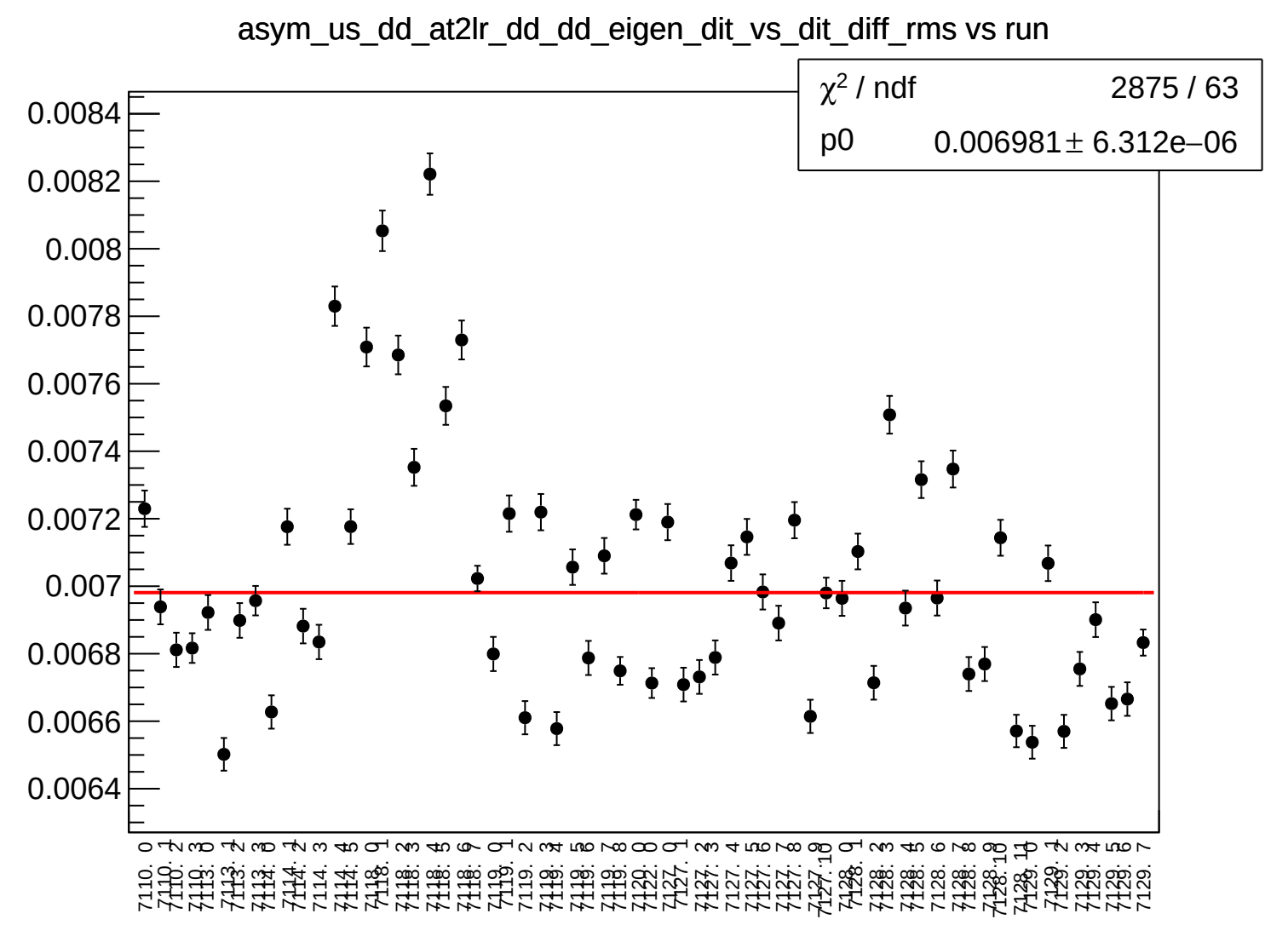

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.651e+05 / 63
p0 36.17 ± 0.03511
100
90
80
70
60
50
40
30
20
10

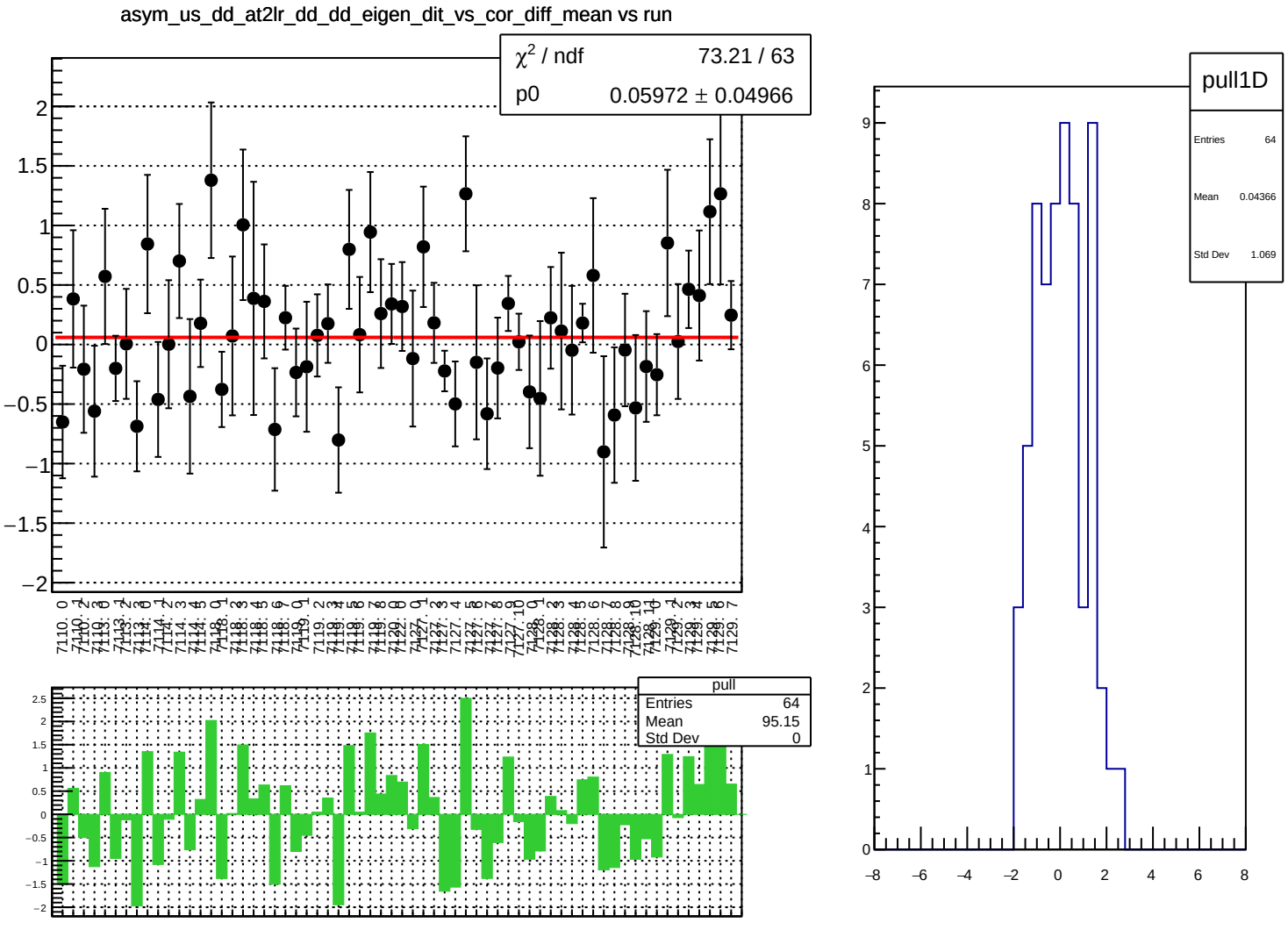

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.2 / 63
p0 0.05971 ± 0.04965
pull
Entries 64
Mean 95.13
Std Dev 0
pull1D
Entries 64
Mean 0.04367
Std Dev 1.069

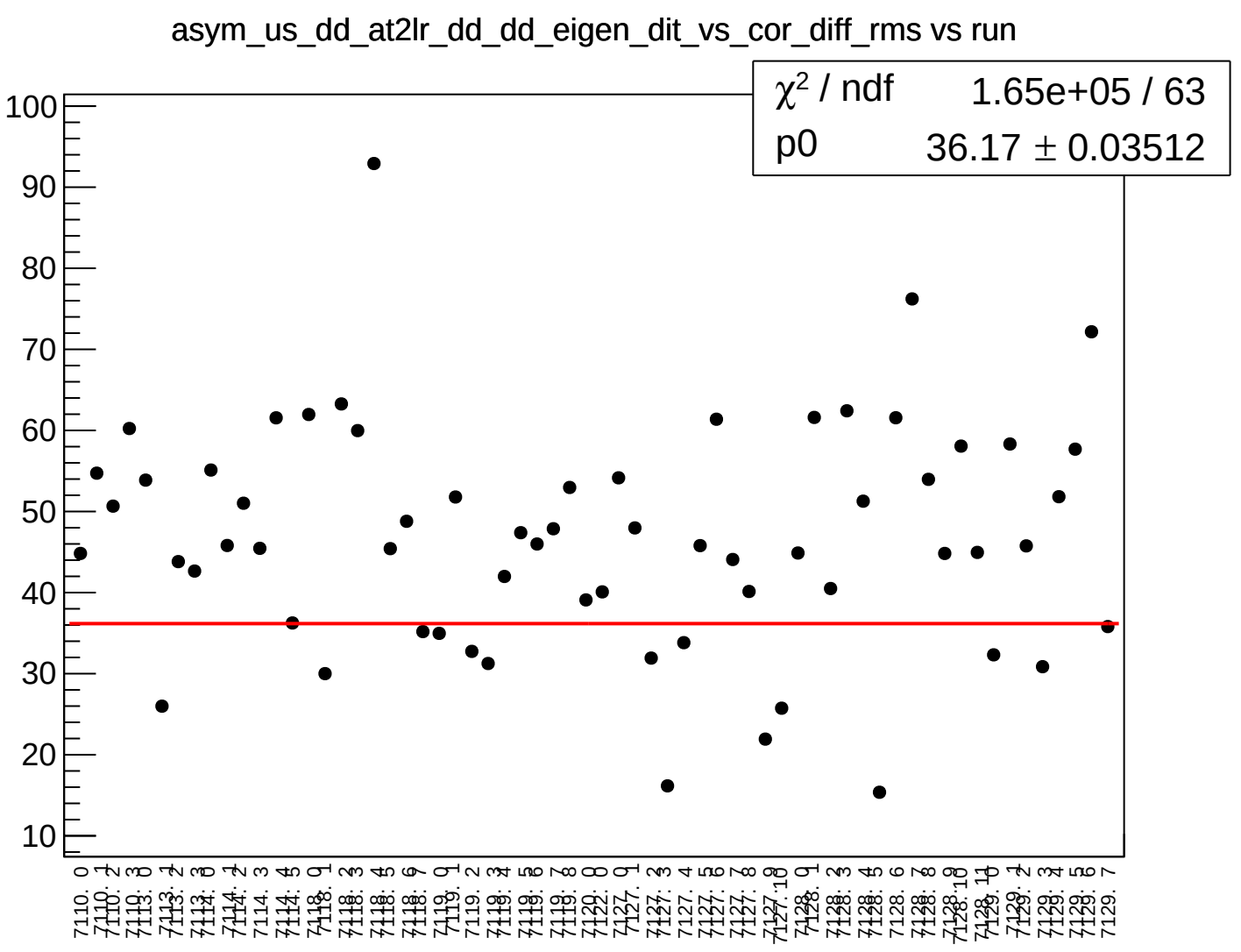

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.651e+05 / 63
p0 36.17 ± 0.03511
100
90
80
70
60
50
40
30
20
10

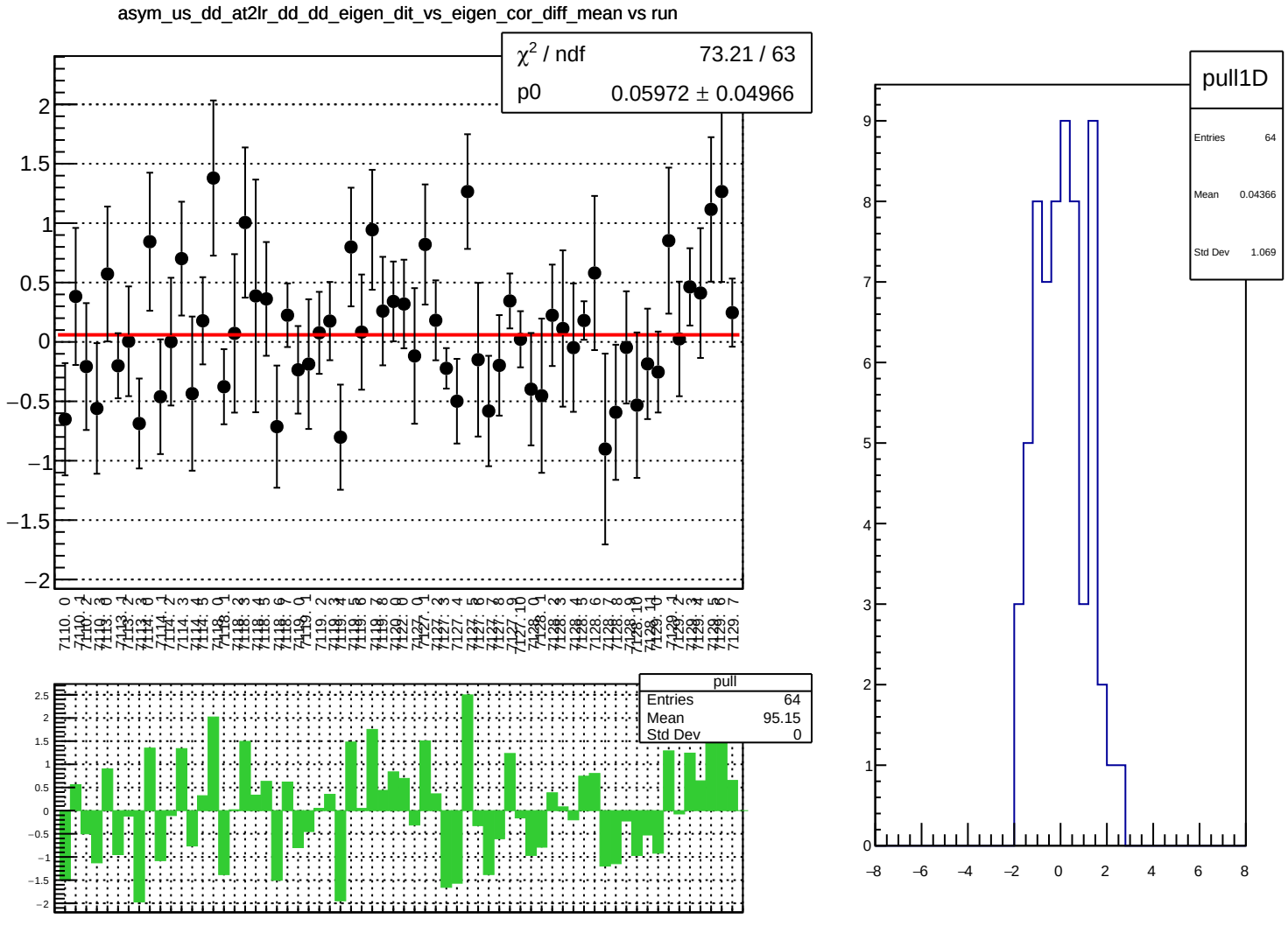

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.85 / 63
p0 2.022e−05 ± 8.926e−06
pull
Entries 64
Mean −190.8
Std Dev 0

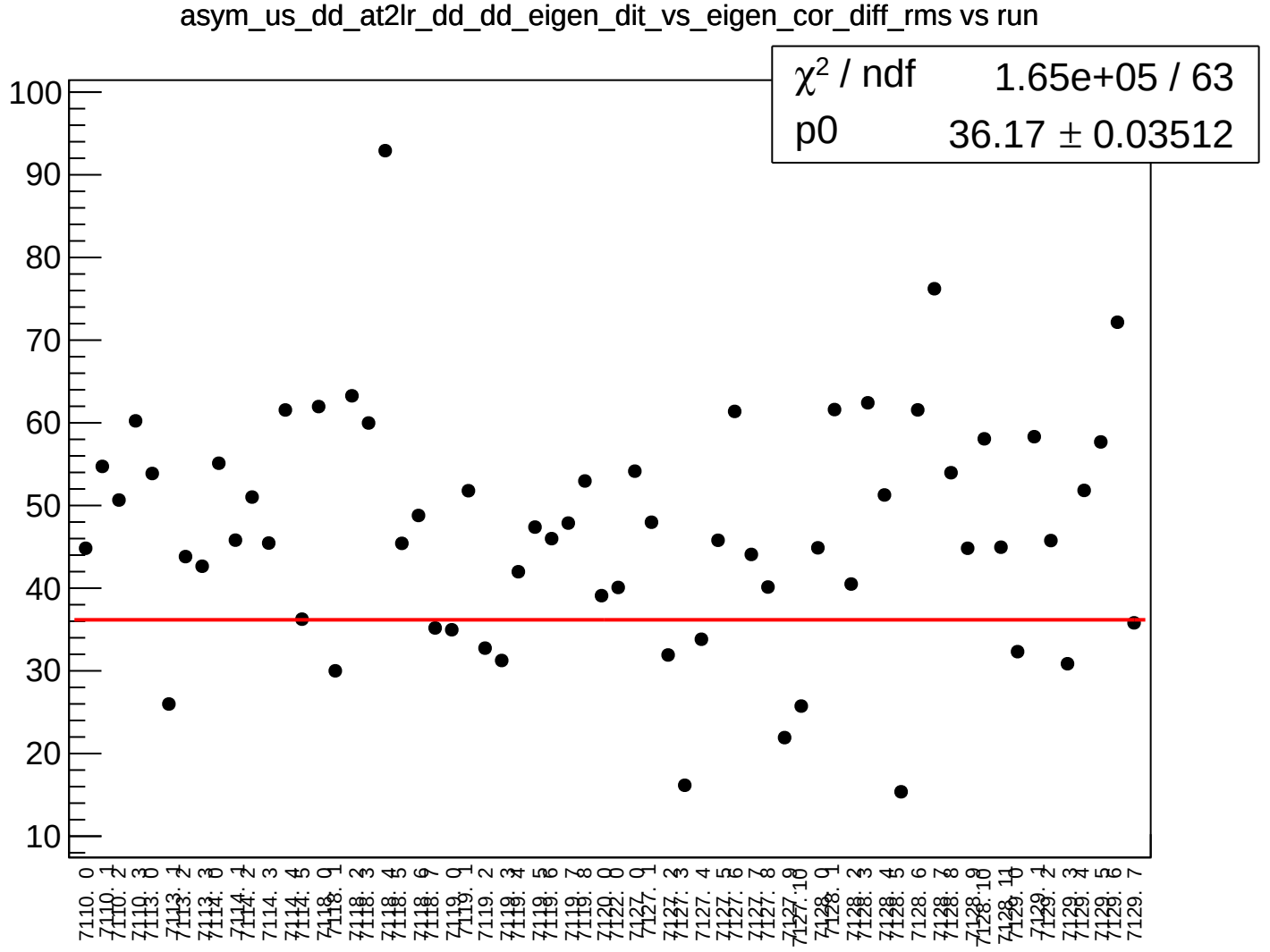

pull1D
Entries 64
Mean −0.02463
Std Dev 1.059

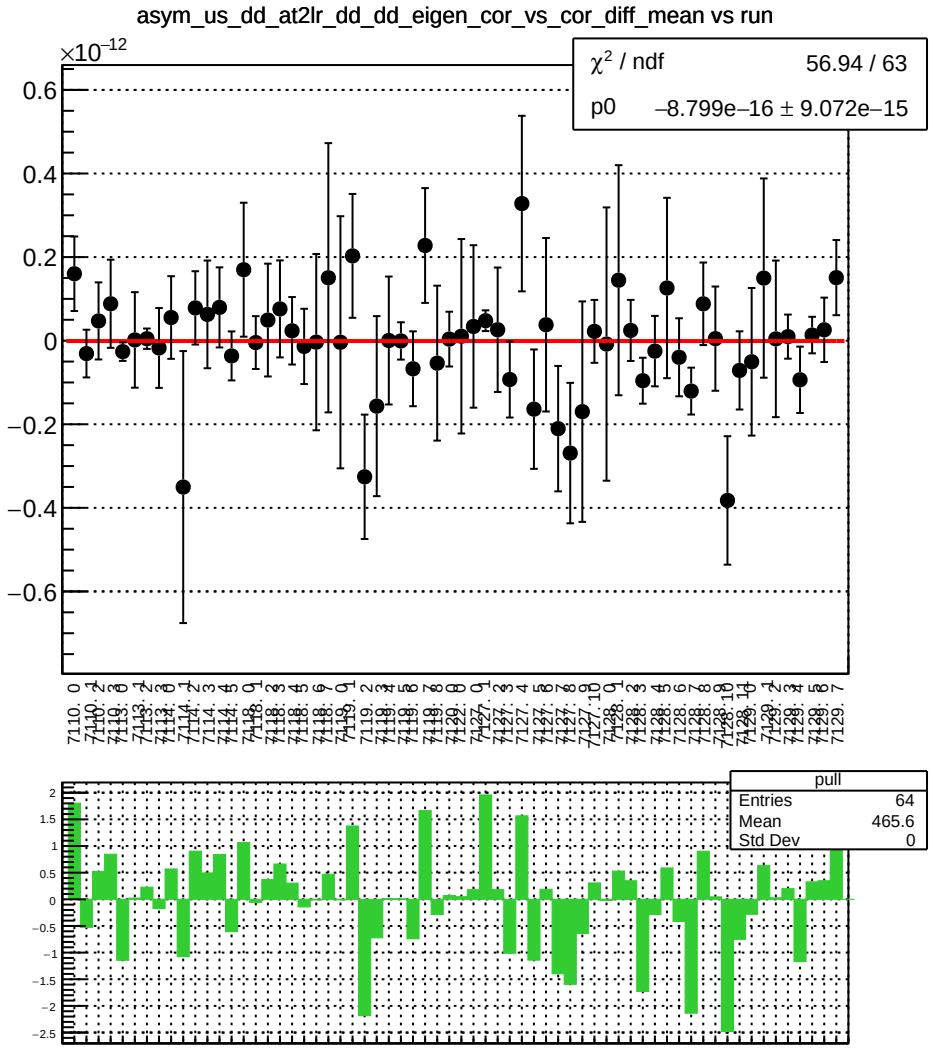

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2875 / 63
p0 0.006981 ± 6.312e−06
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064

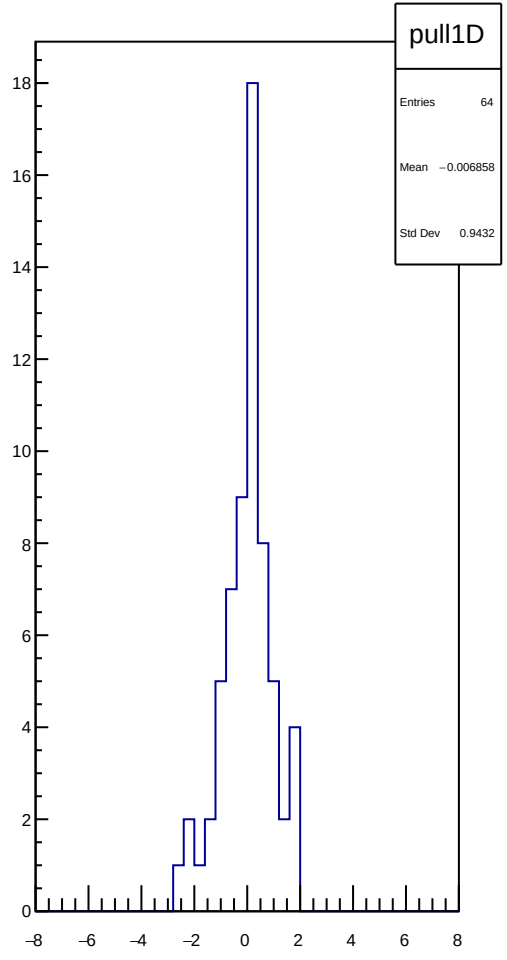

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.21 / 63
p0 0.05972 ± 0.04966
pull
Entries 64
Mean 95.15
Std Dev 0
pull1D
Entries 64
Mean 0.04366
Std Dev 1.069

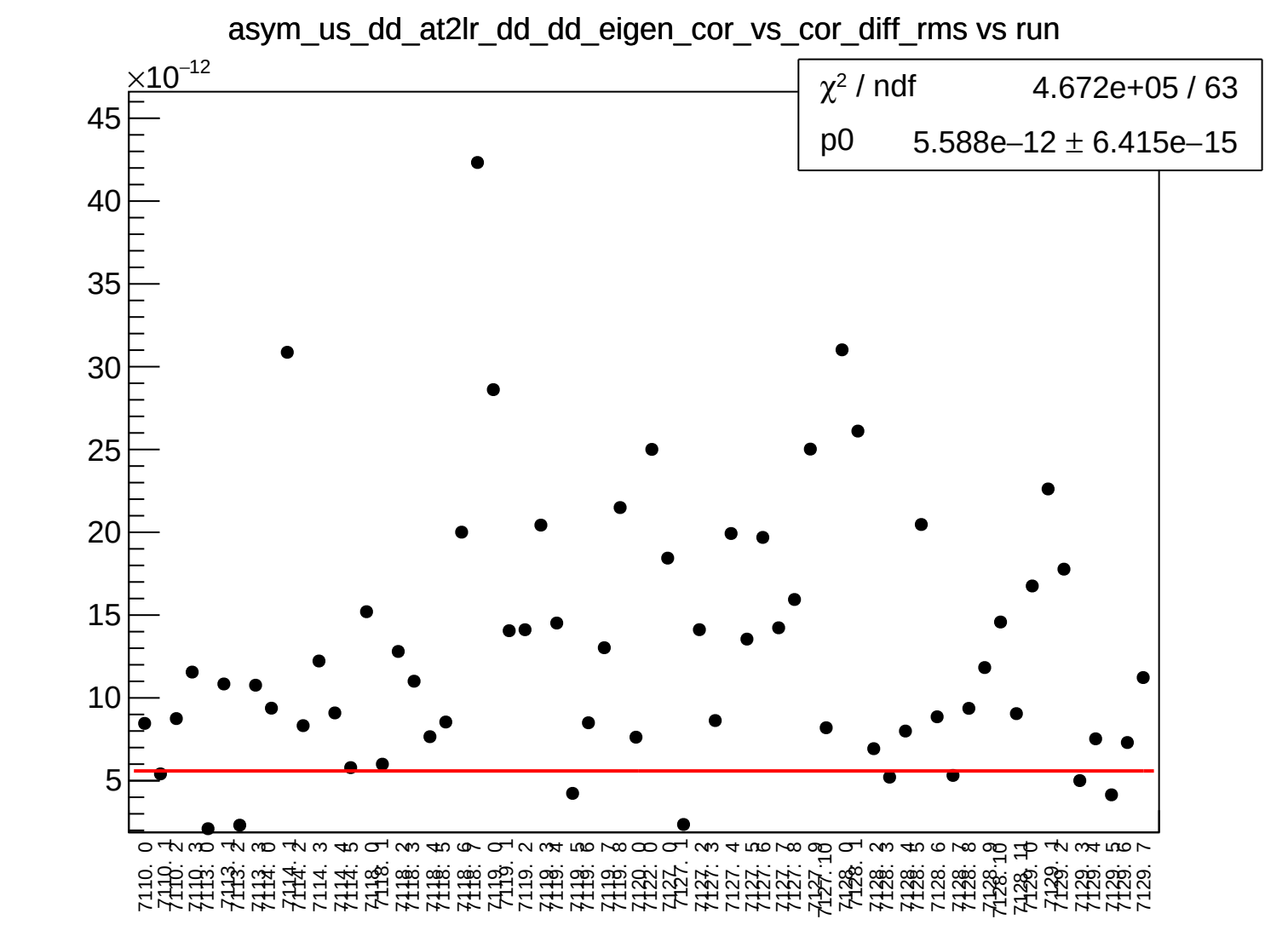

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.65e+05 / 63
p0 36.17 ± 0.03512
100
90
80
70
60
50
40
30
20
10

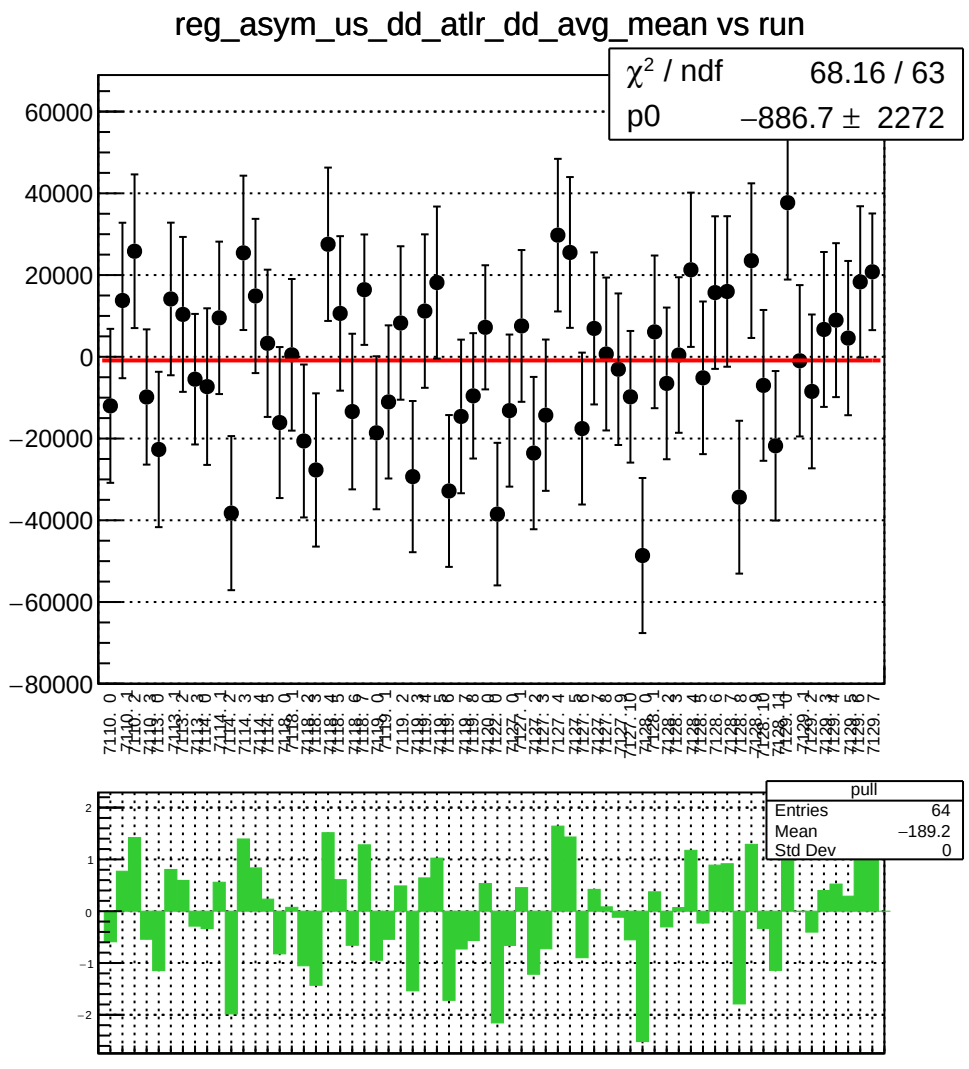

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.21 / 63
p0 0.05972 ± 0.04966
pull
Entries 64
Mean 95.15
Std Dev 0
pull1D
Entries 64
Mean 0.04366
Std Dev 1.069

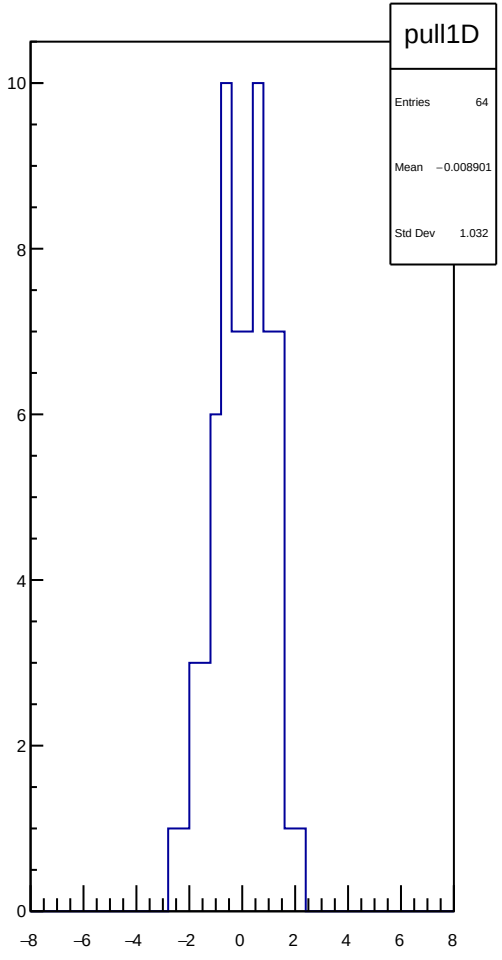

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.65e+05 / 63
p0 36.17 ± 0.03512
100
90
80
70
60
50
40
30
20
10

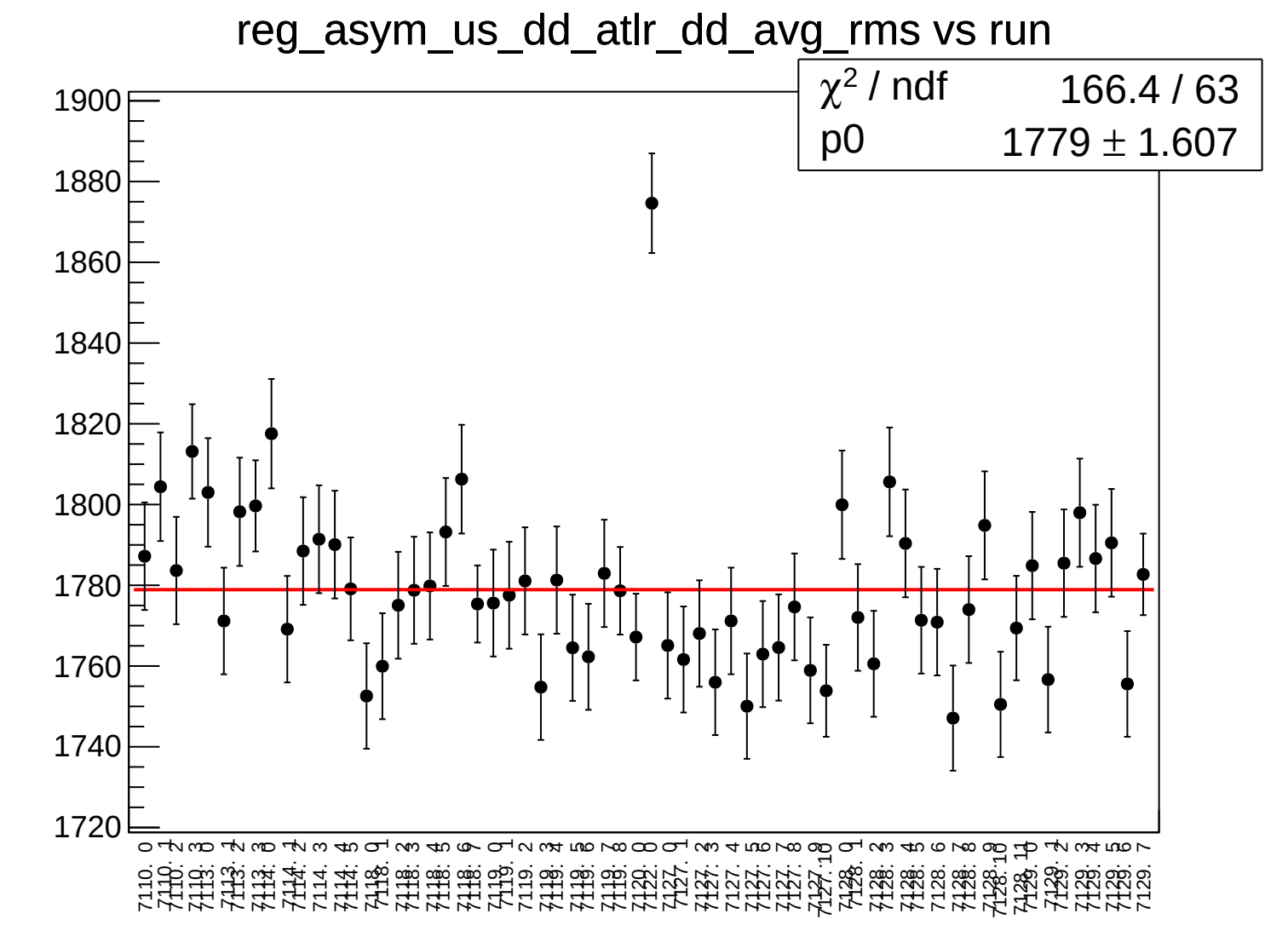

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.94 / 63
p0 −8.799e−16 ± 9.072e−15
pull
Entries 64
Mean 465.6
Std Dev 0

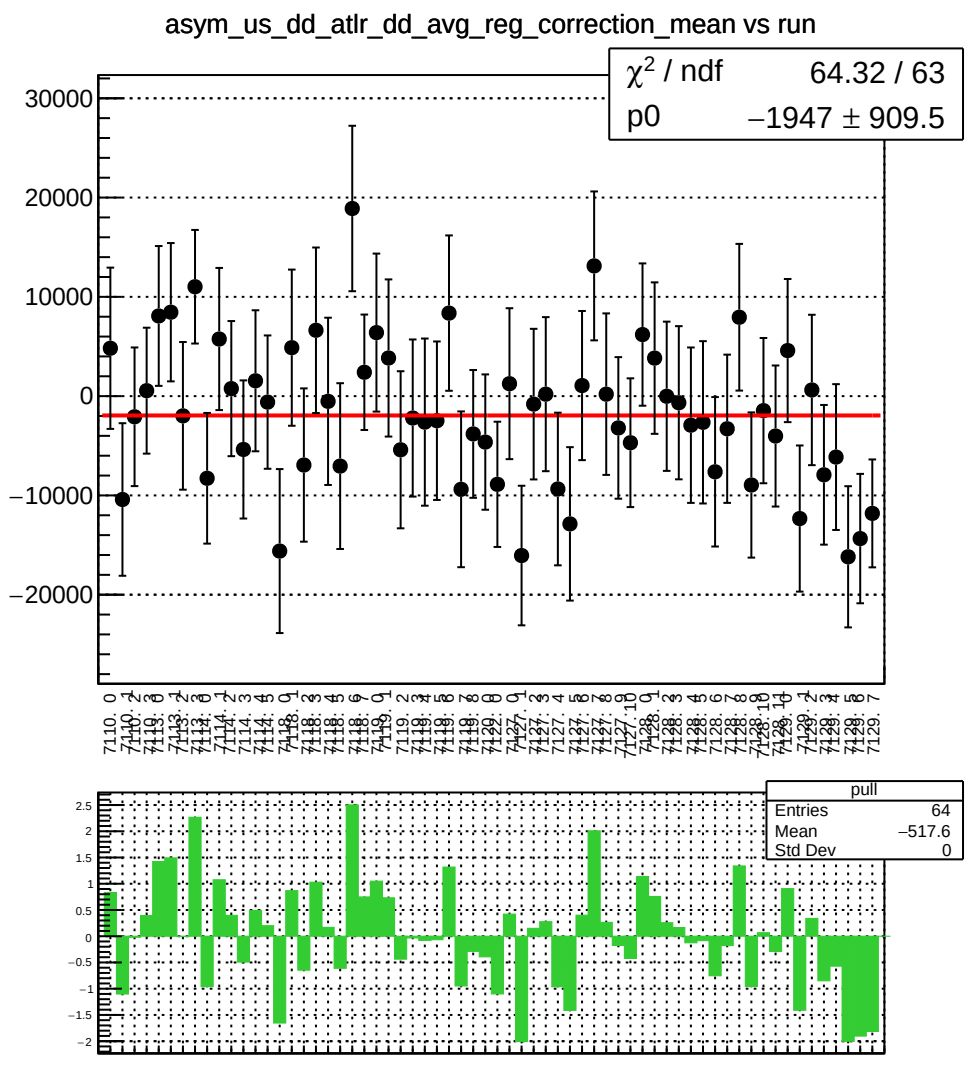

pull1D
Entries 64
Mean −0.006858
Std Dev 0.9432

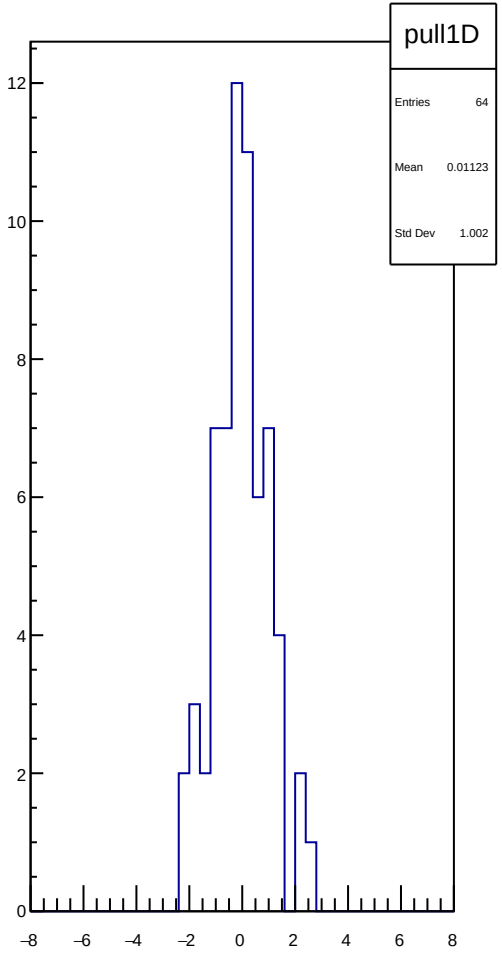

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.672e+05 / 63
p0 5.588e−12 ± 6.415e−15
45
40
35
30
25
20
15
10
5

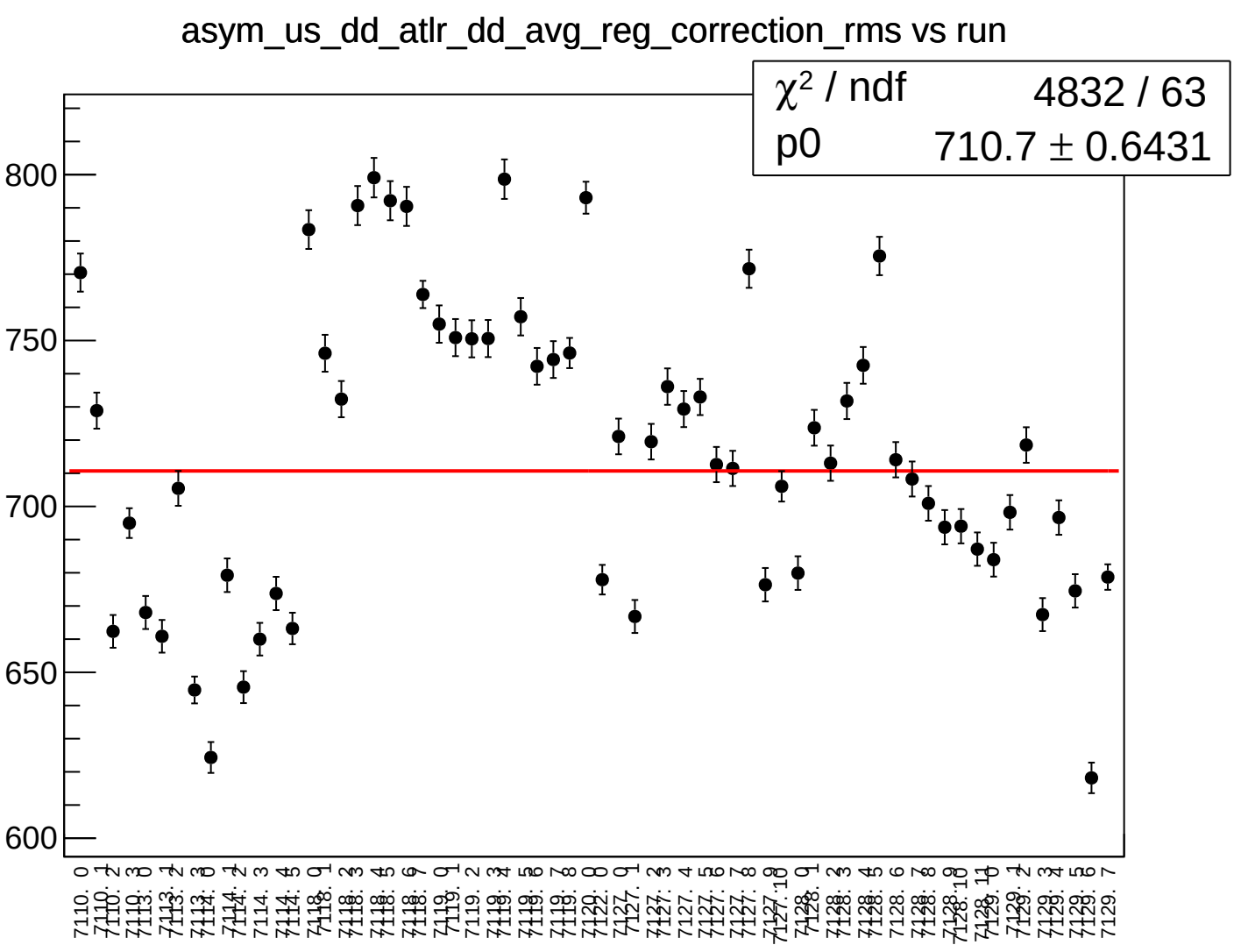

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 68.16 / 63
p0 −886.7 ± 2272
pull
Entries 64
Mean −189.2
Std Dev 0

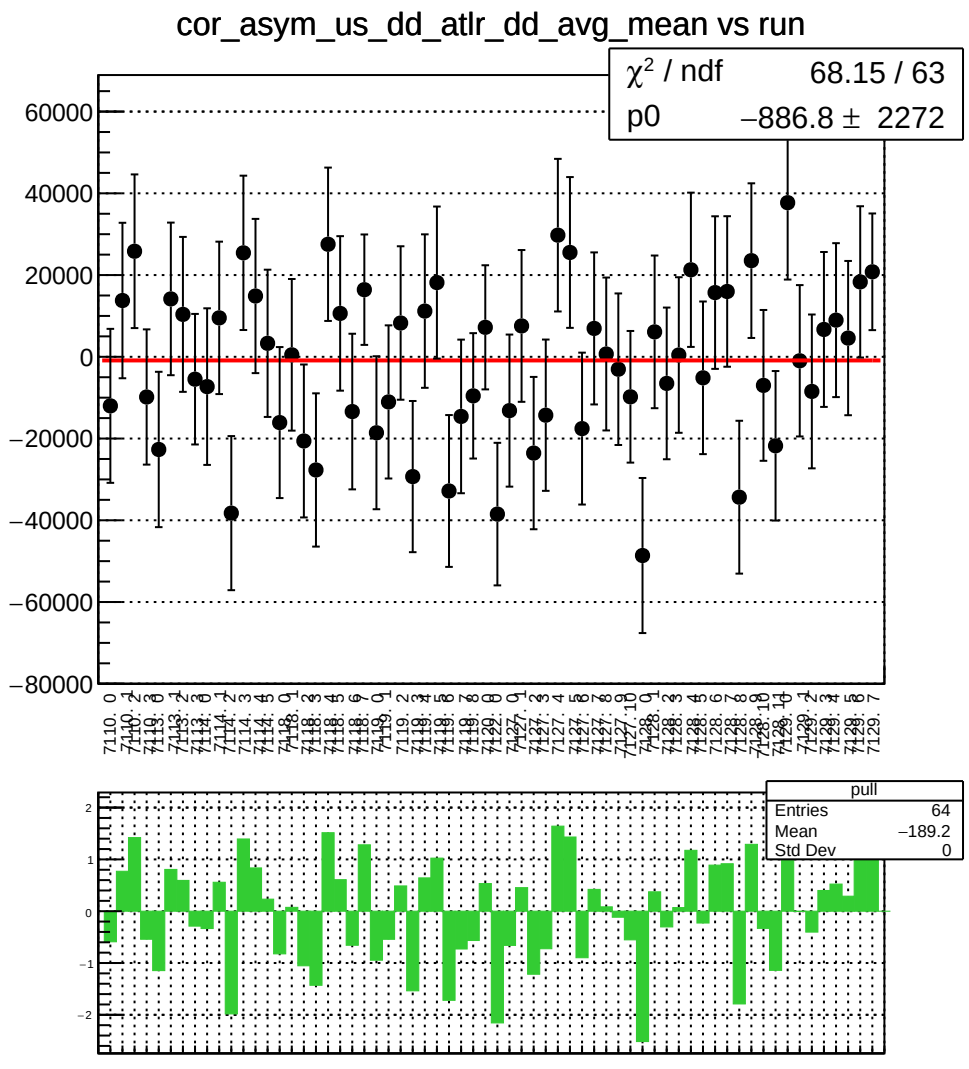

pull1D
Entries 64
Mean −0.008901
Std Dev 1.032

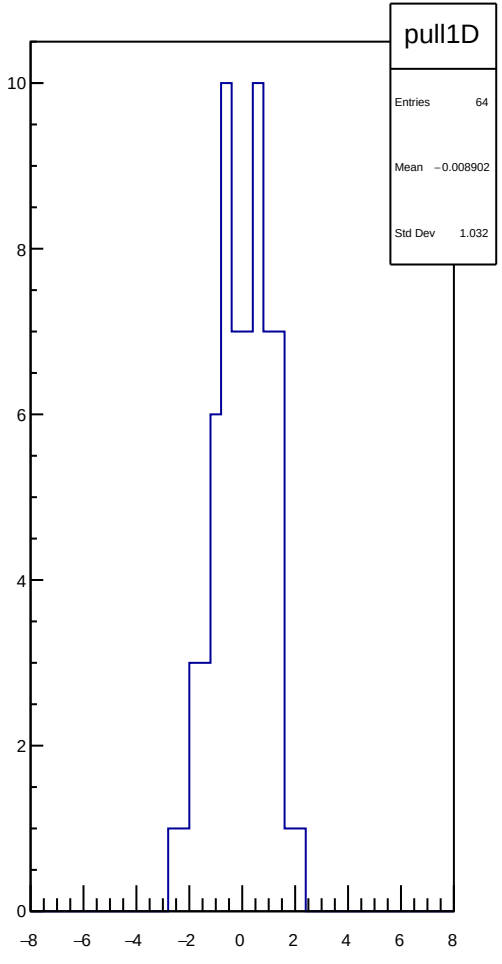

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 166.4 / 63
p0 1779 ± 1.607
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

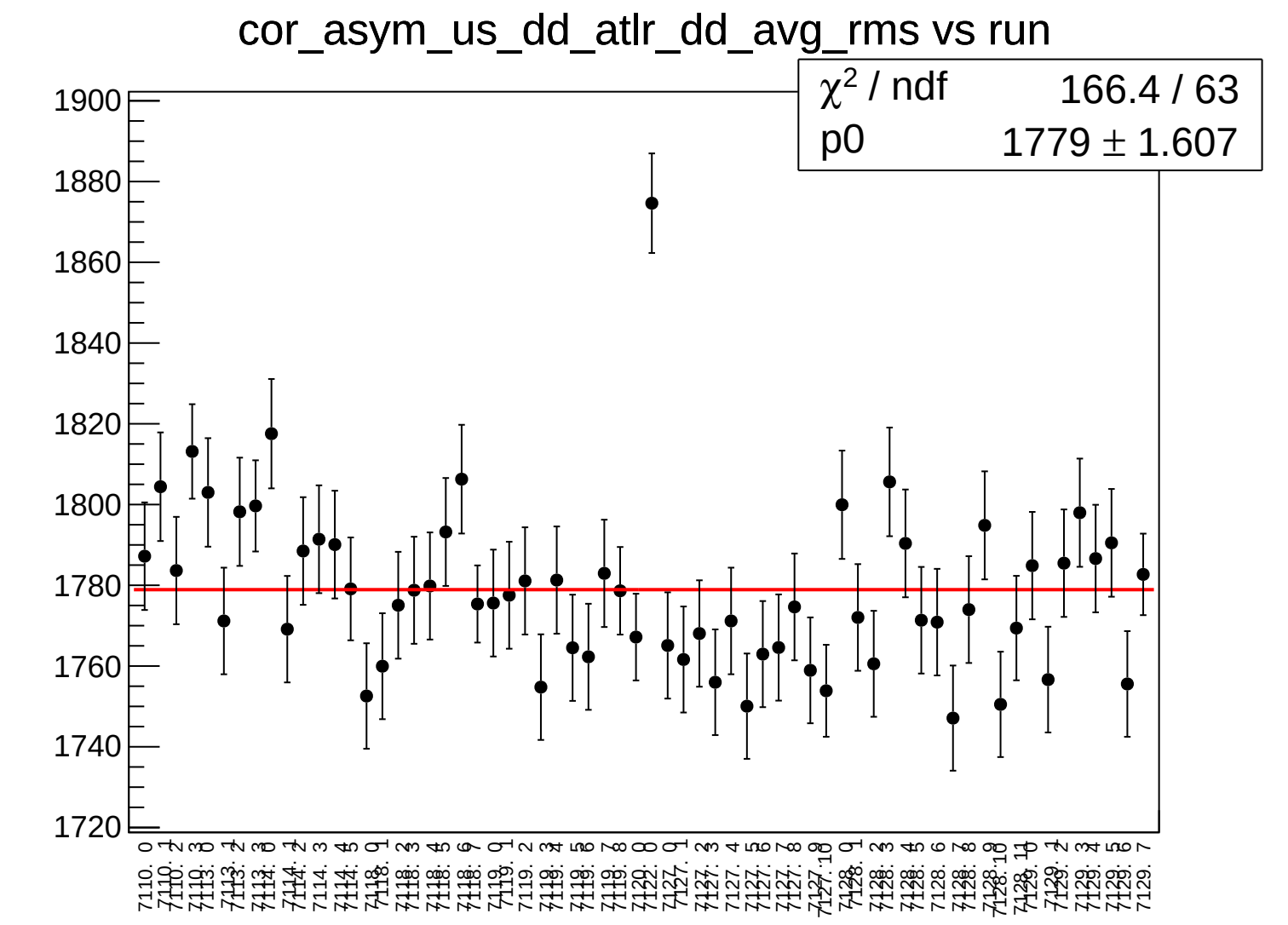

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 64.32 / 63
p0 −1947 ± 909.5
30000
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −517.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

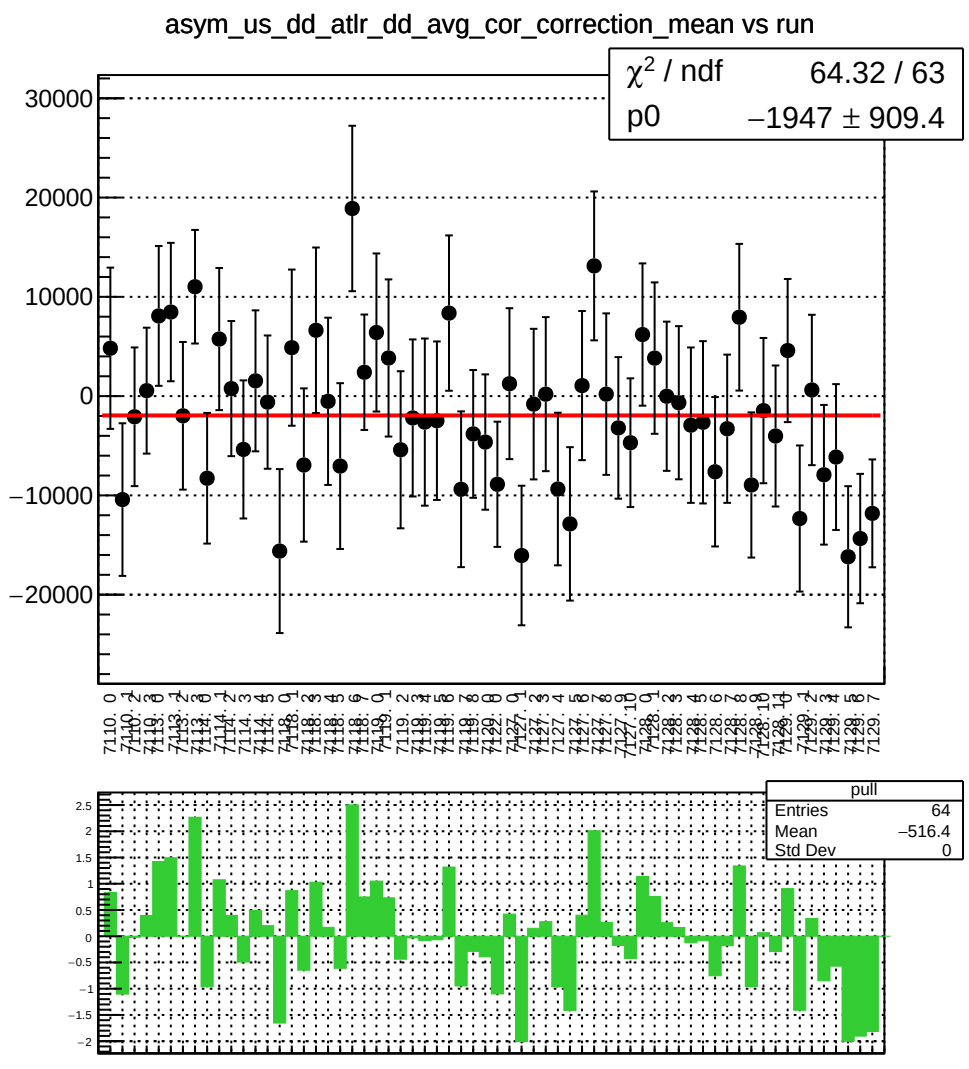

pull1D
Entries 64
Mean 0.01123
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

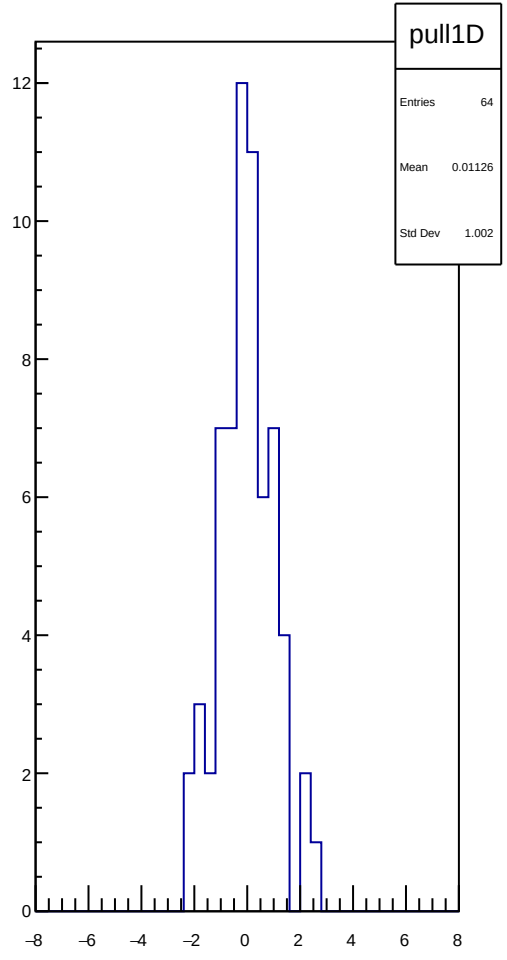

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4832 / 63
p0 710.7 ± 0.6431
800
750
700
650
600

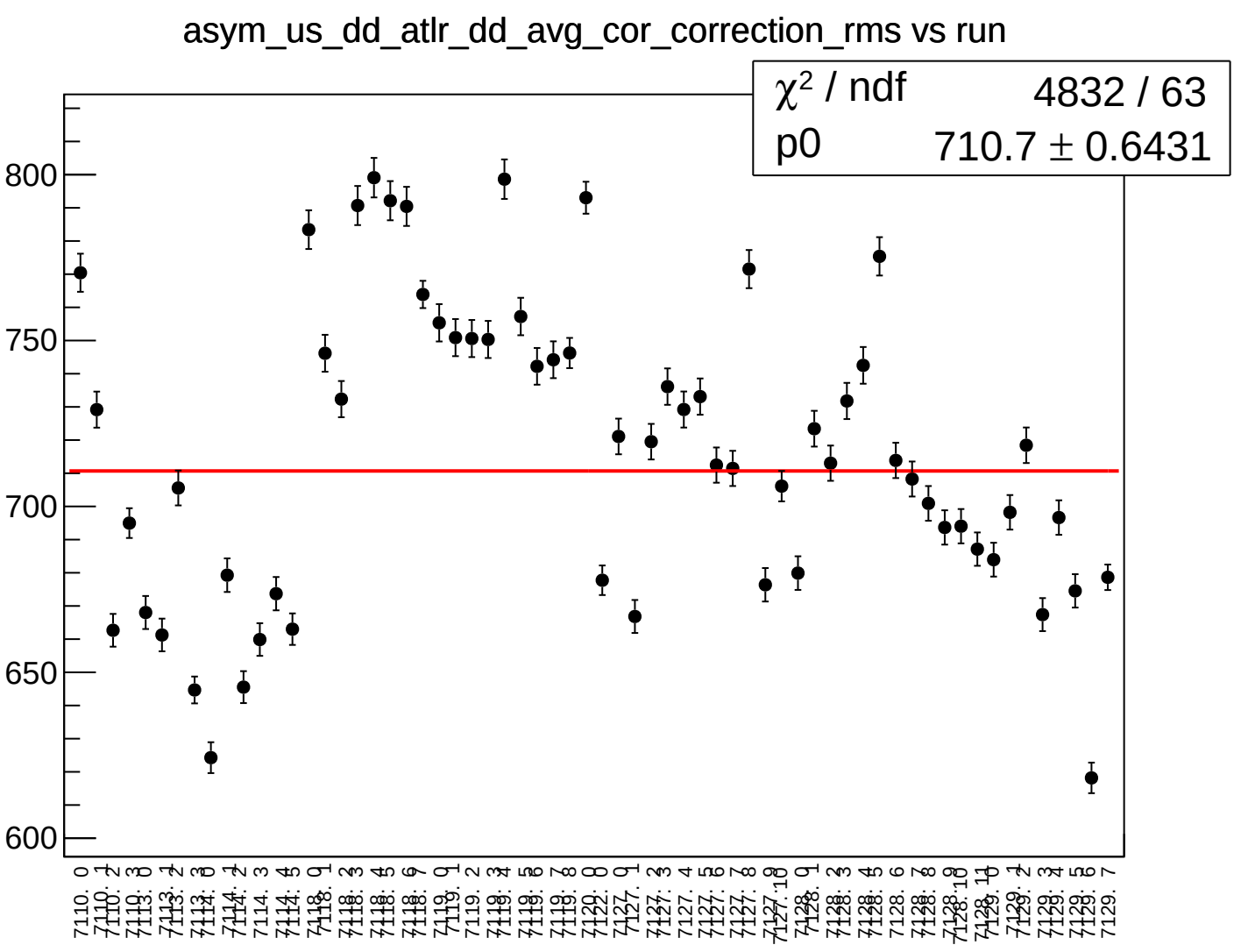

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 68.15 / 63
p0 −886.8 ± 2272
pull
Entries 64
Mean −189.2
Std Dev 0

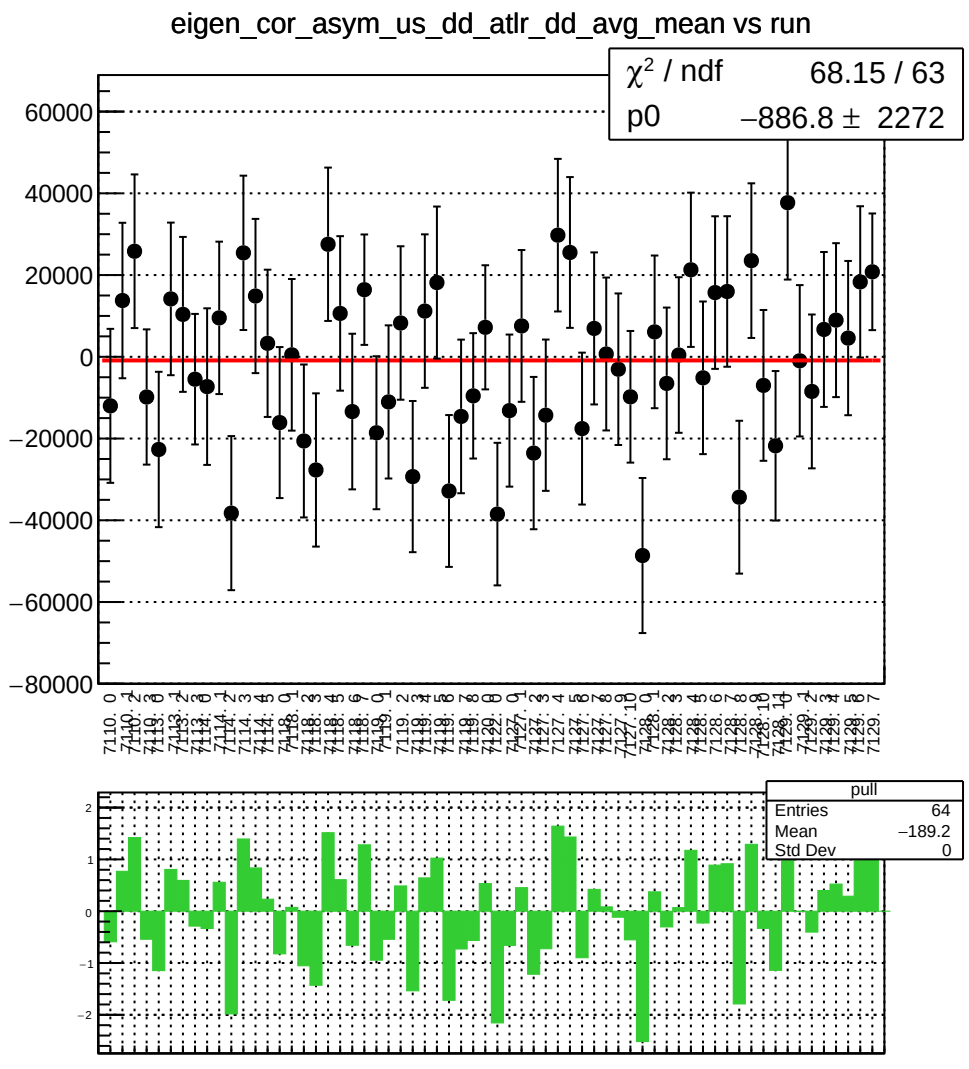

pull1D
Entries 64
Mean −0.008902
Std Dev 1.032

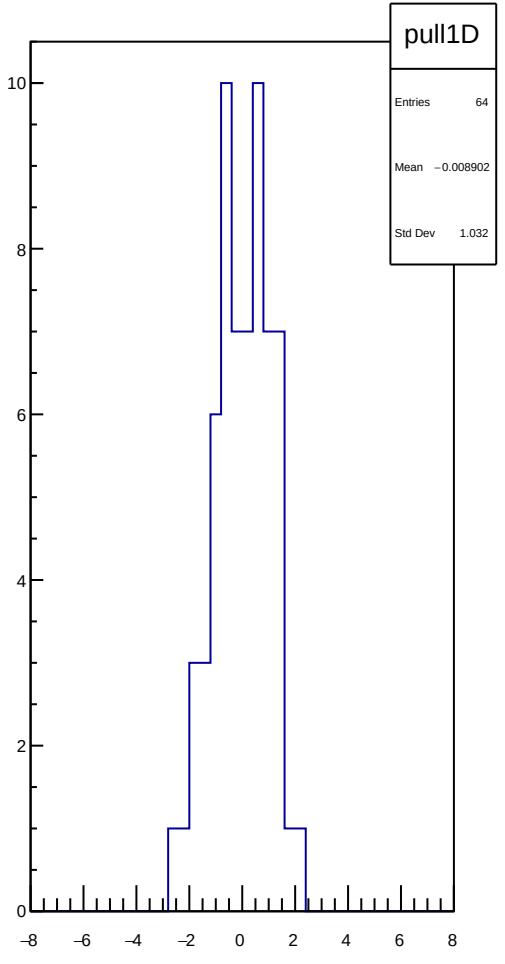

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 166.4 / 63
p0 1779 ± 1.607
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

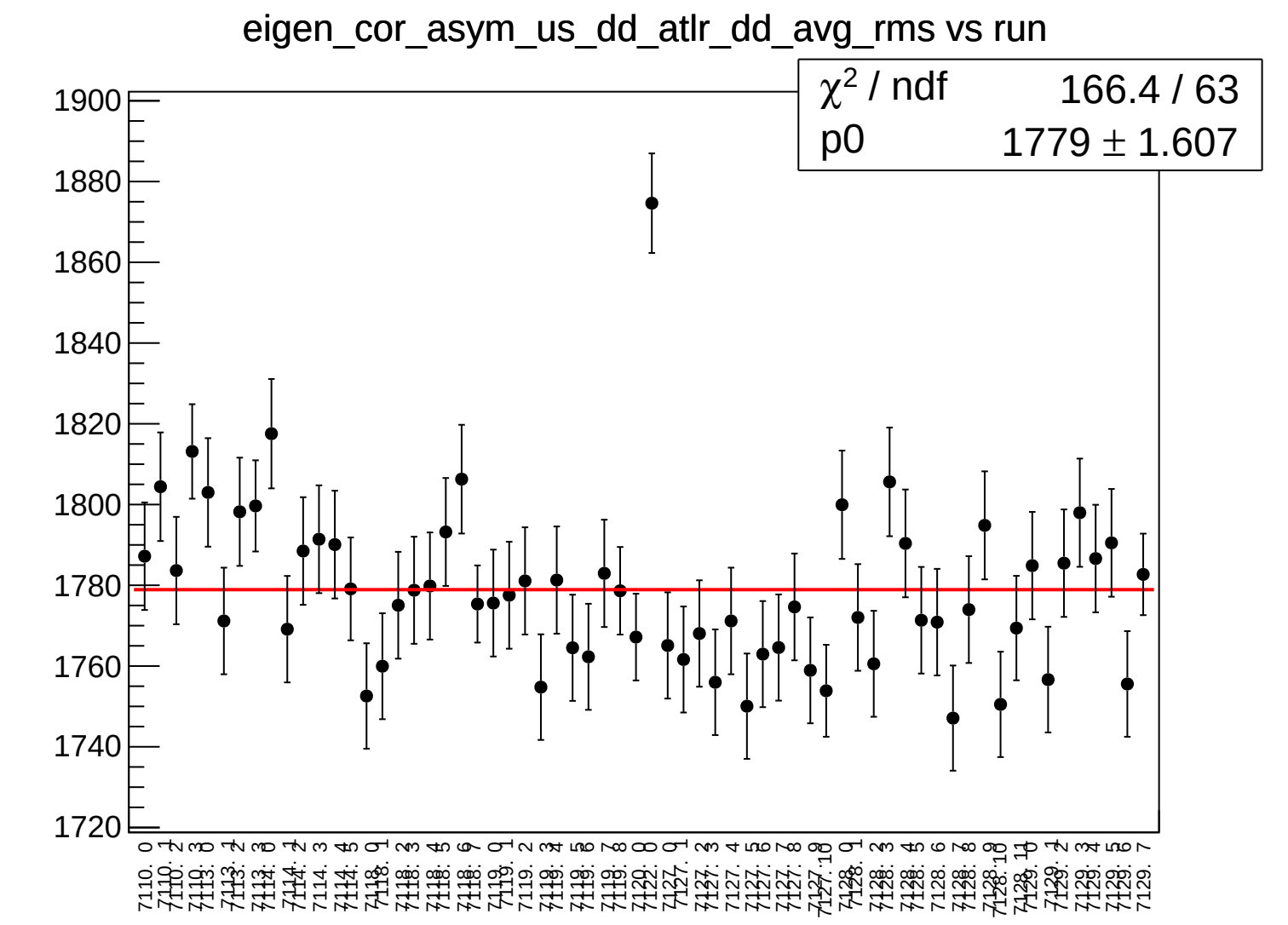

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 64.32 / 63
p0 −1947 ± 909.4
30000
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −516.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

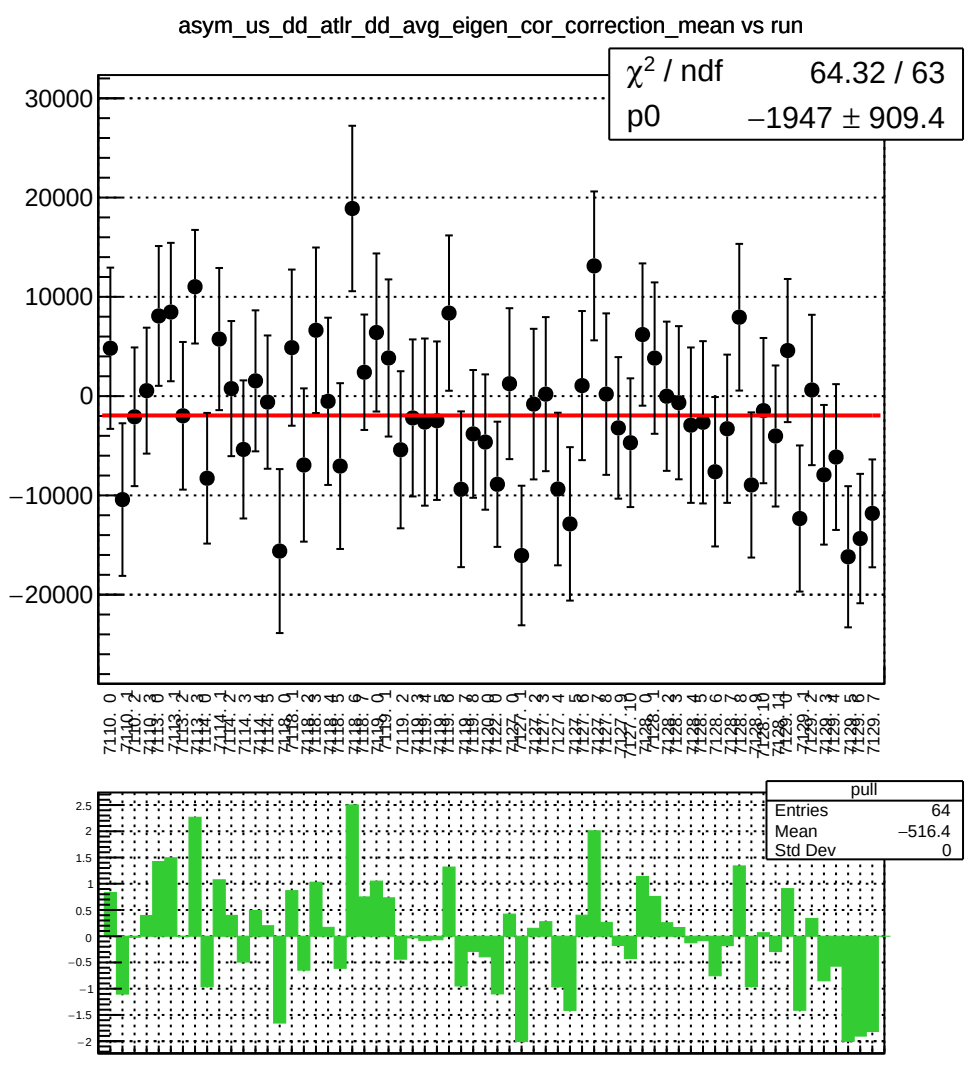

pull1D
Entries 64
Mean 0.01126
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

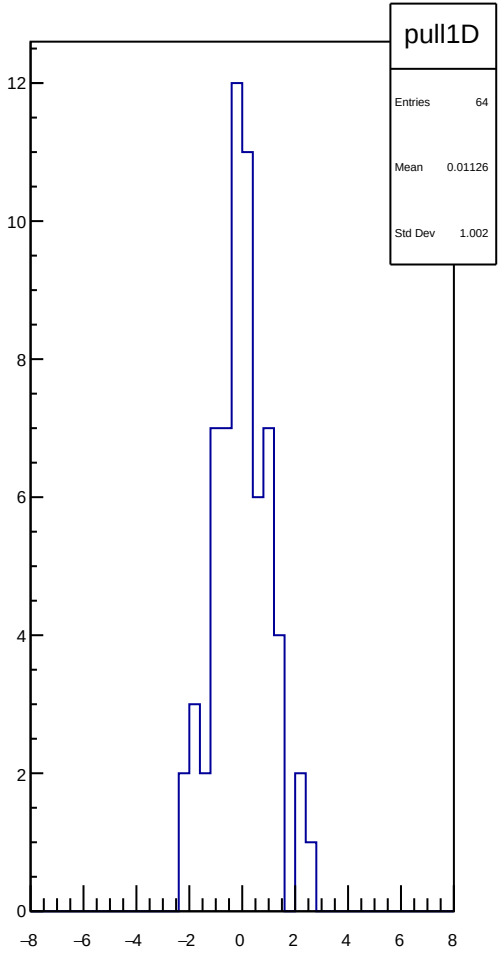

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4832 / 63
p0 710.7 ± 0.6431
800
750
700
650
600

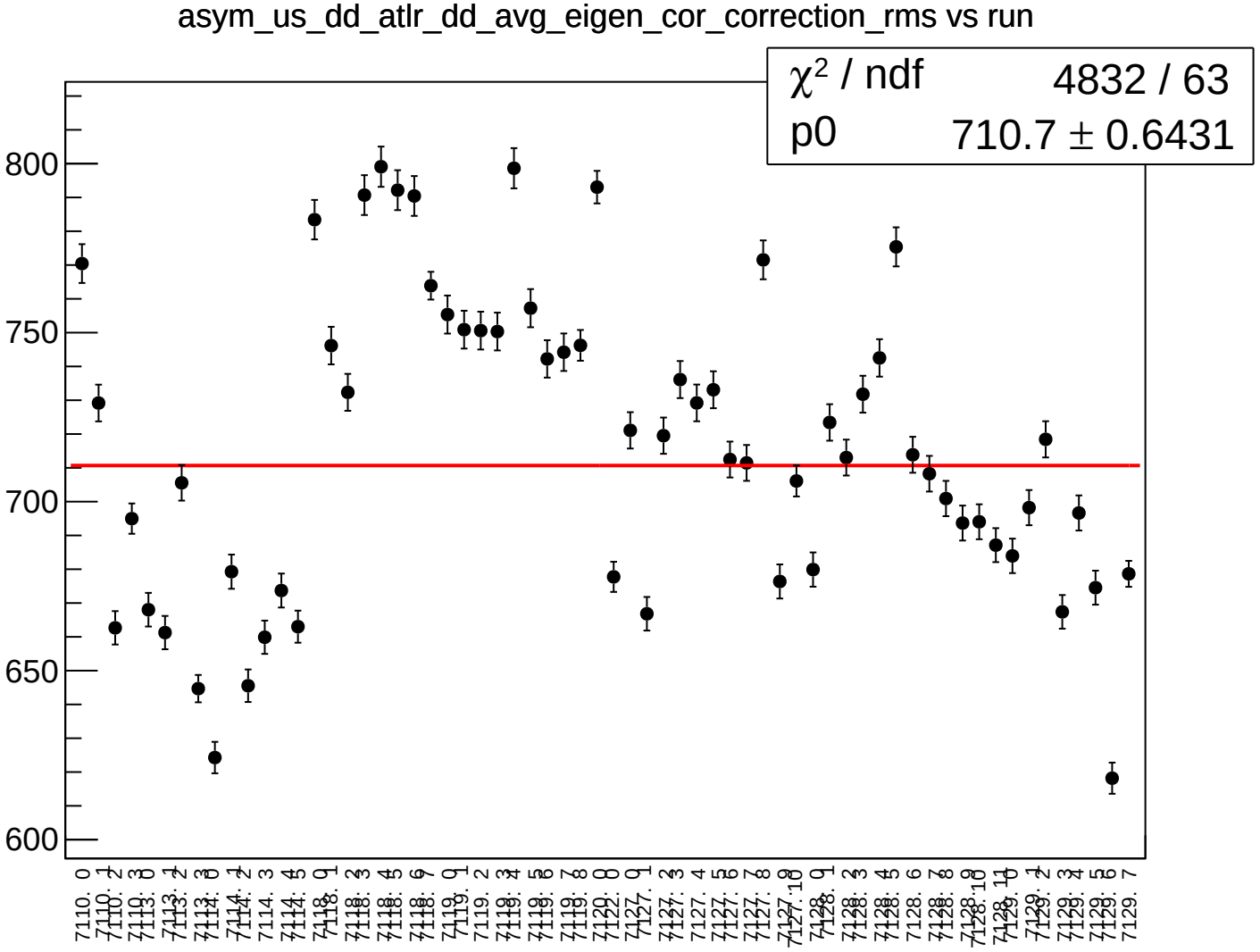

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 68.15 / 63
p0 −886.8 ± 2272
pull
Entries 64
Mean −189.2
Std Dev 0

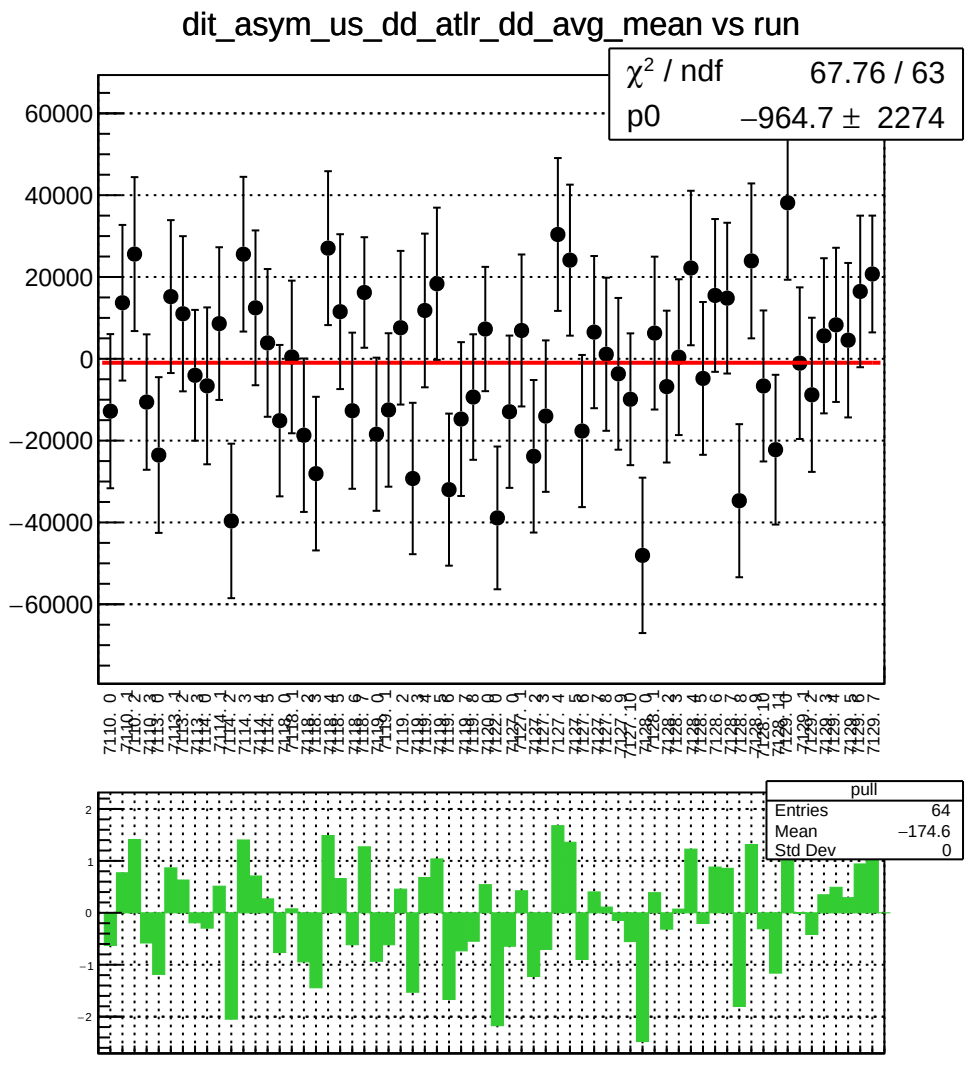

pull1D
Entries 64
Mean −0.008902
Std Dev 1.032

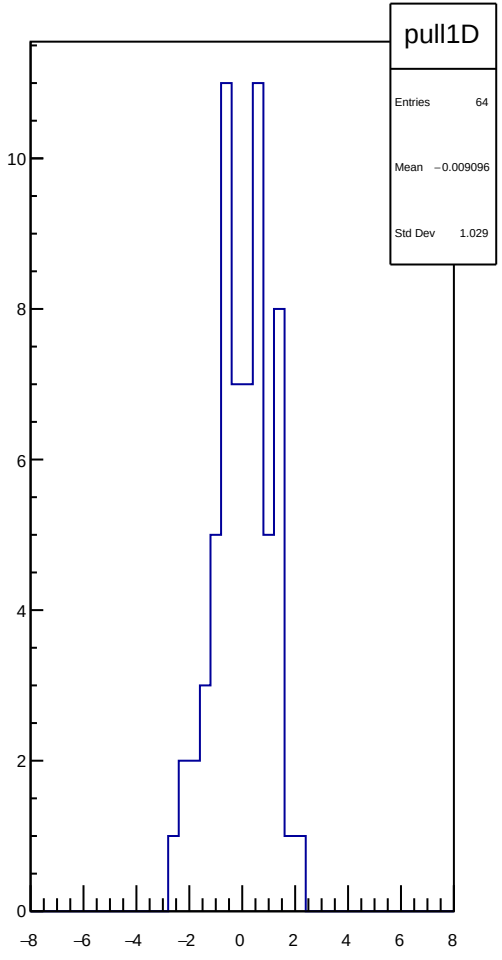

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 166.4 / 63
p0 1779 ± 1.607
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

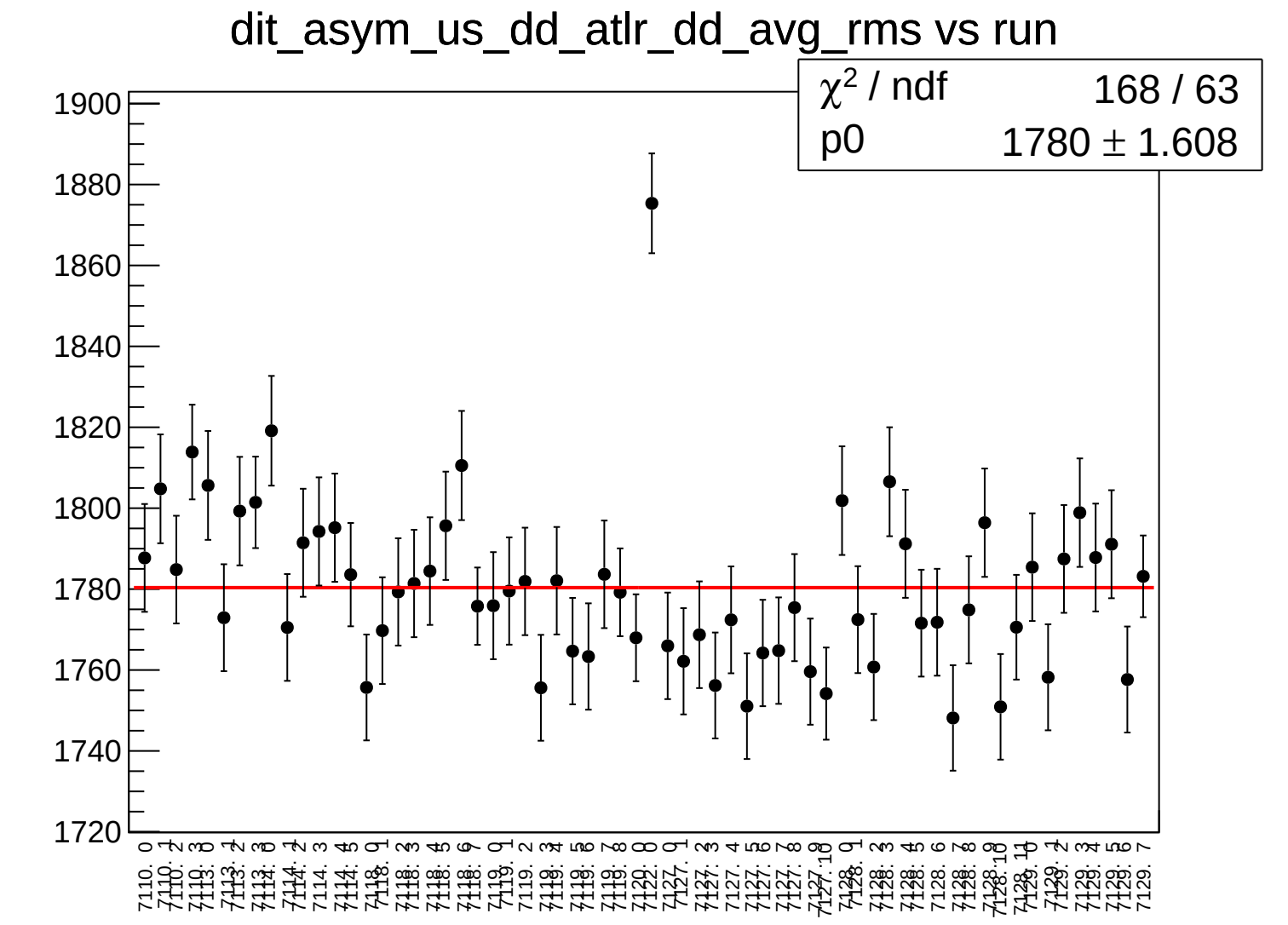

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.32 / 63
p0 −1947 ± 909.4
pull
Entries 64
Mean −516.4
Std Dev 0

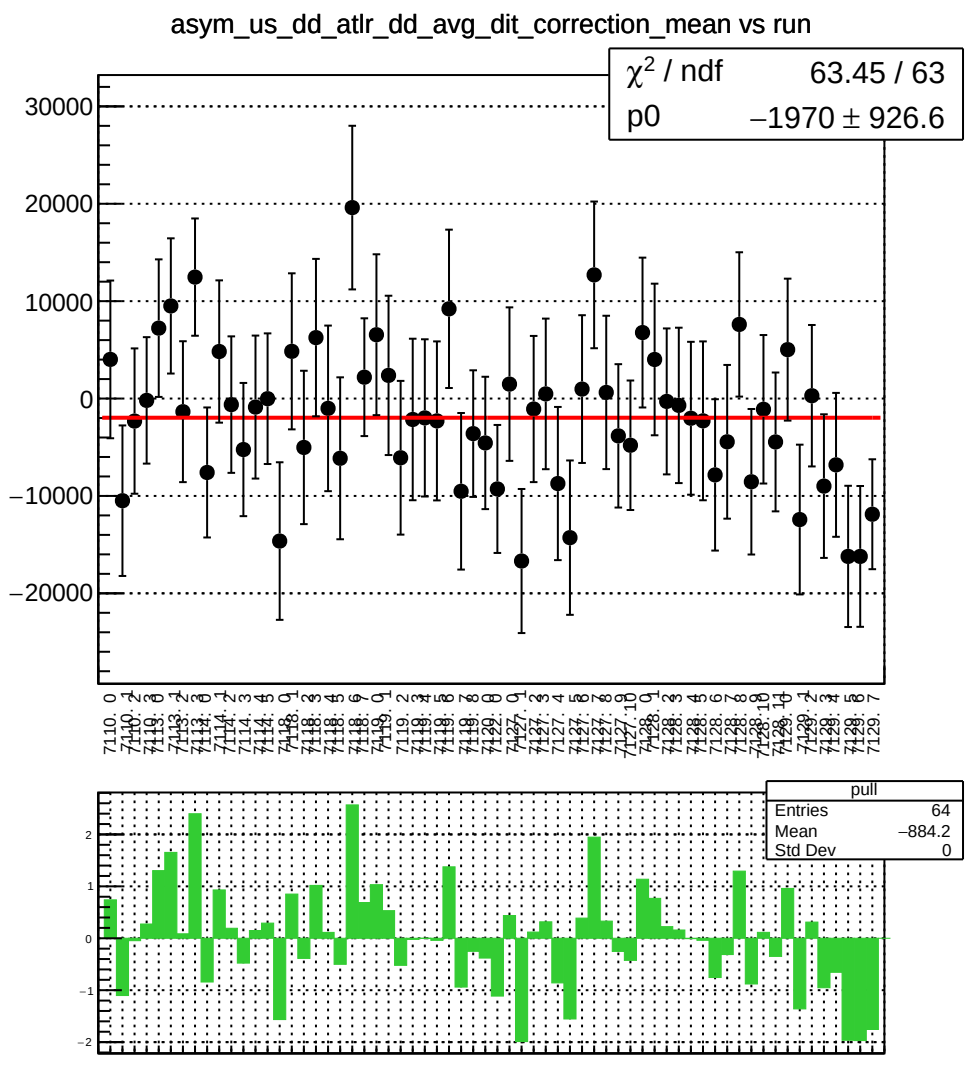

pull1D
Entries 64
Mean 0.01126
Std Dev 1.002

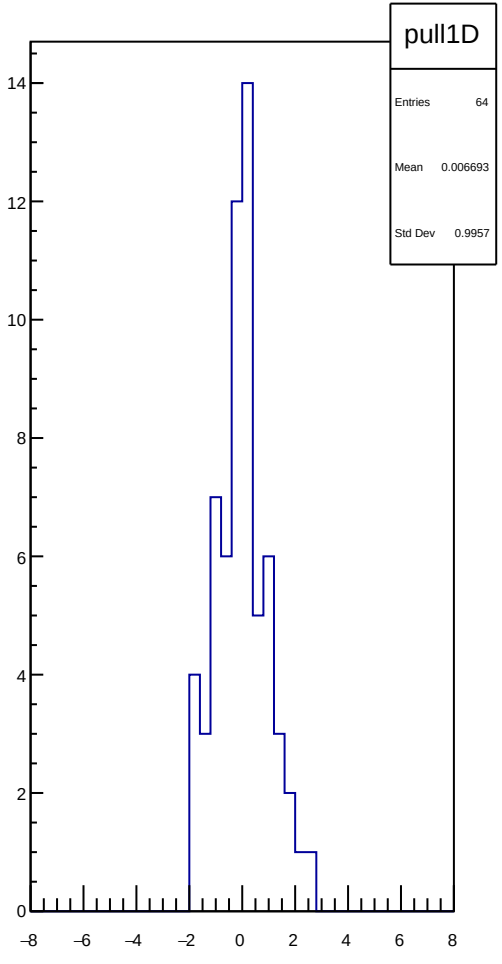

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4832 / 63
p0 710.7 ± 0.6431
800
750
700
650
600

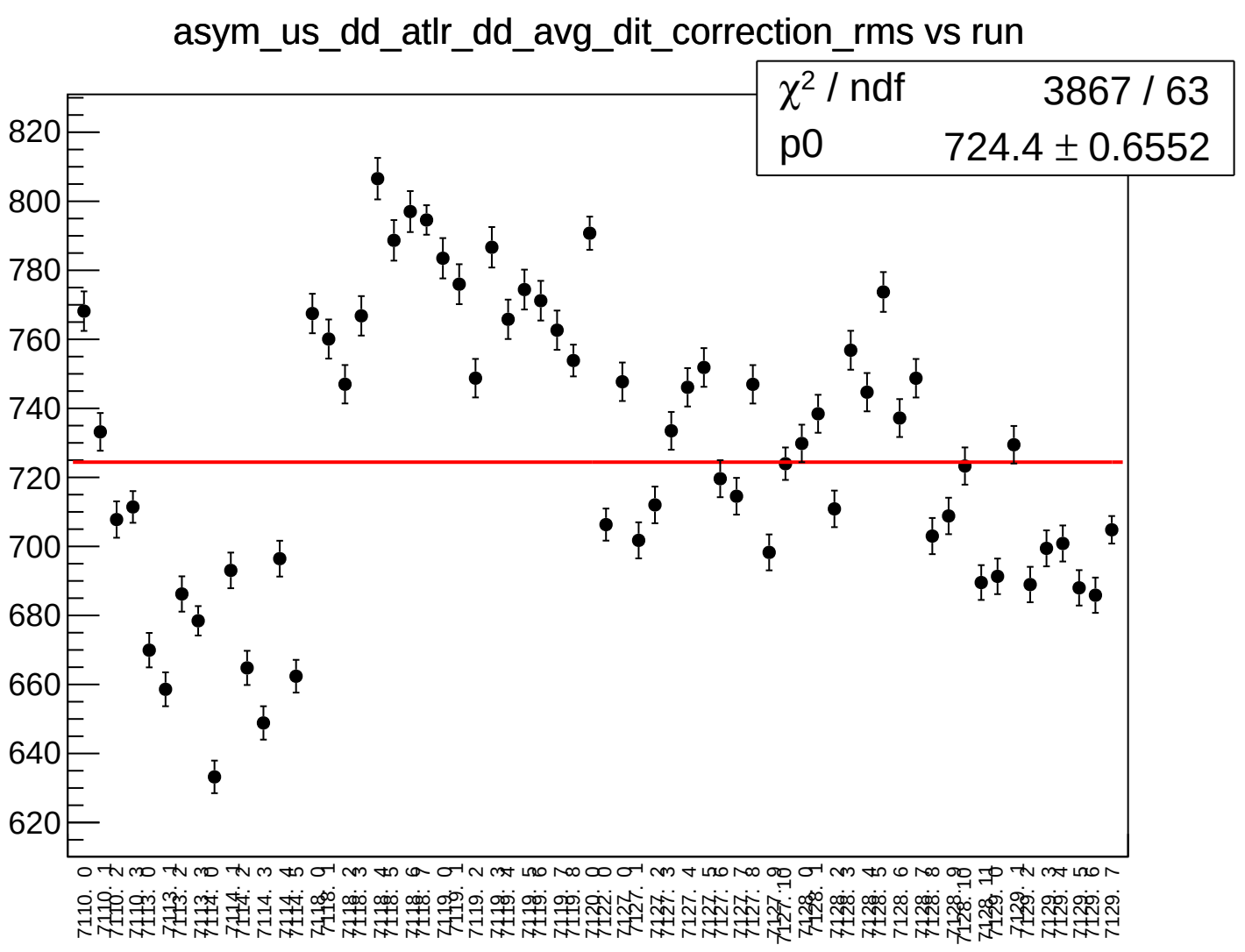

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.76 / 63
p0 −964.7 ± 2274
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −174.6
Std Dev 0
2
1
0
−1
−2

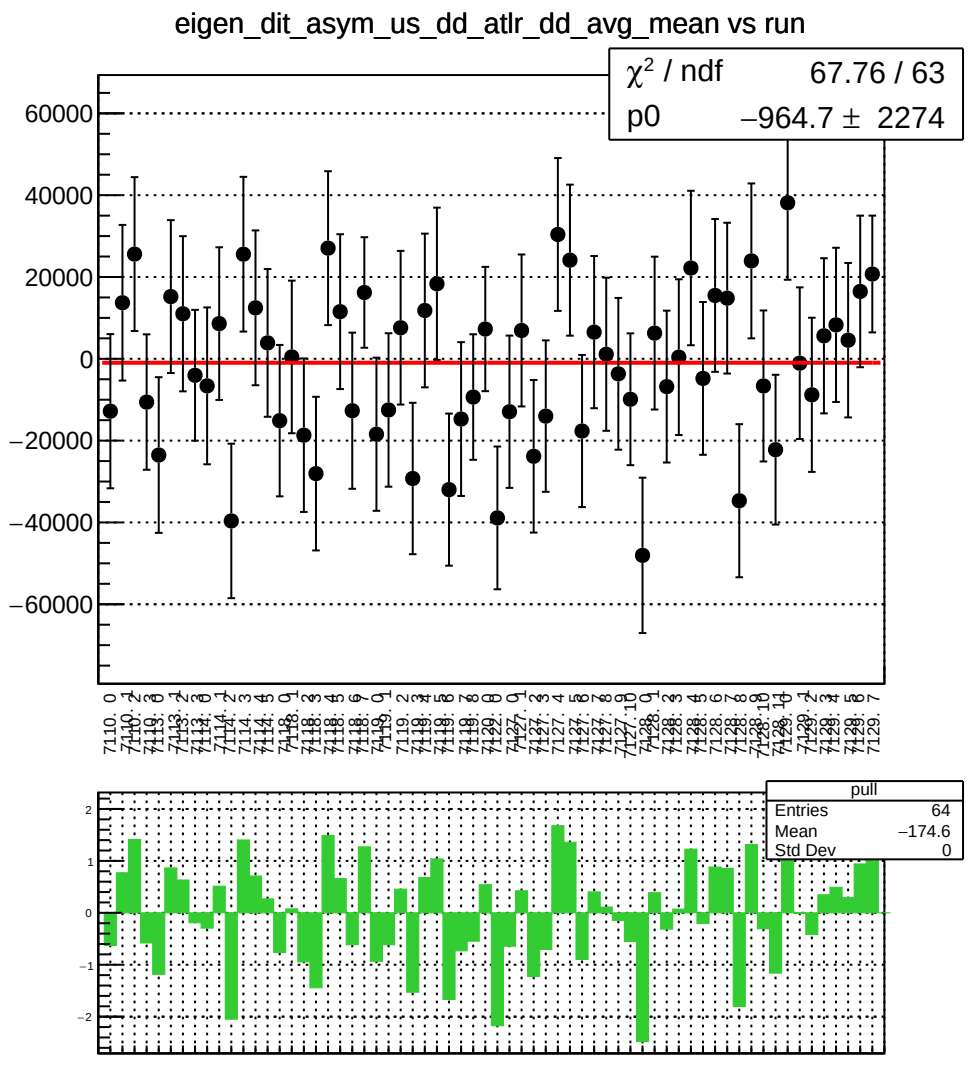

pull1D
Entries 64
Mean −0.009096
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

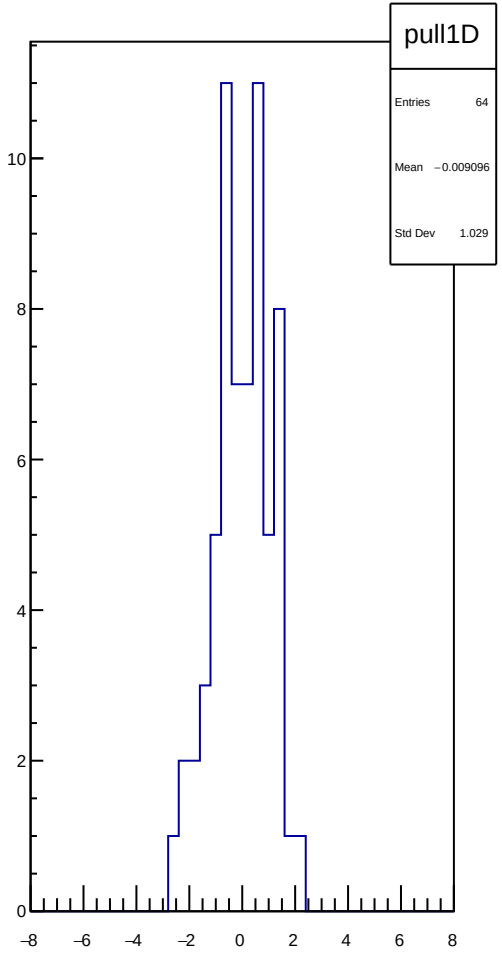

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 168 / 63
p0 1780 ± 1.608
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

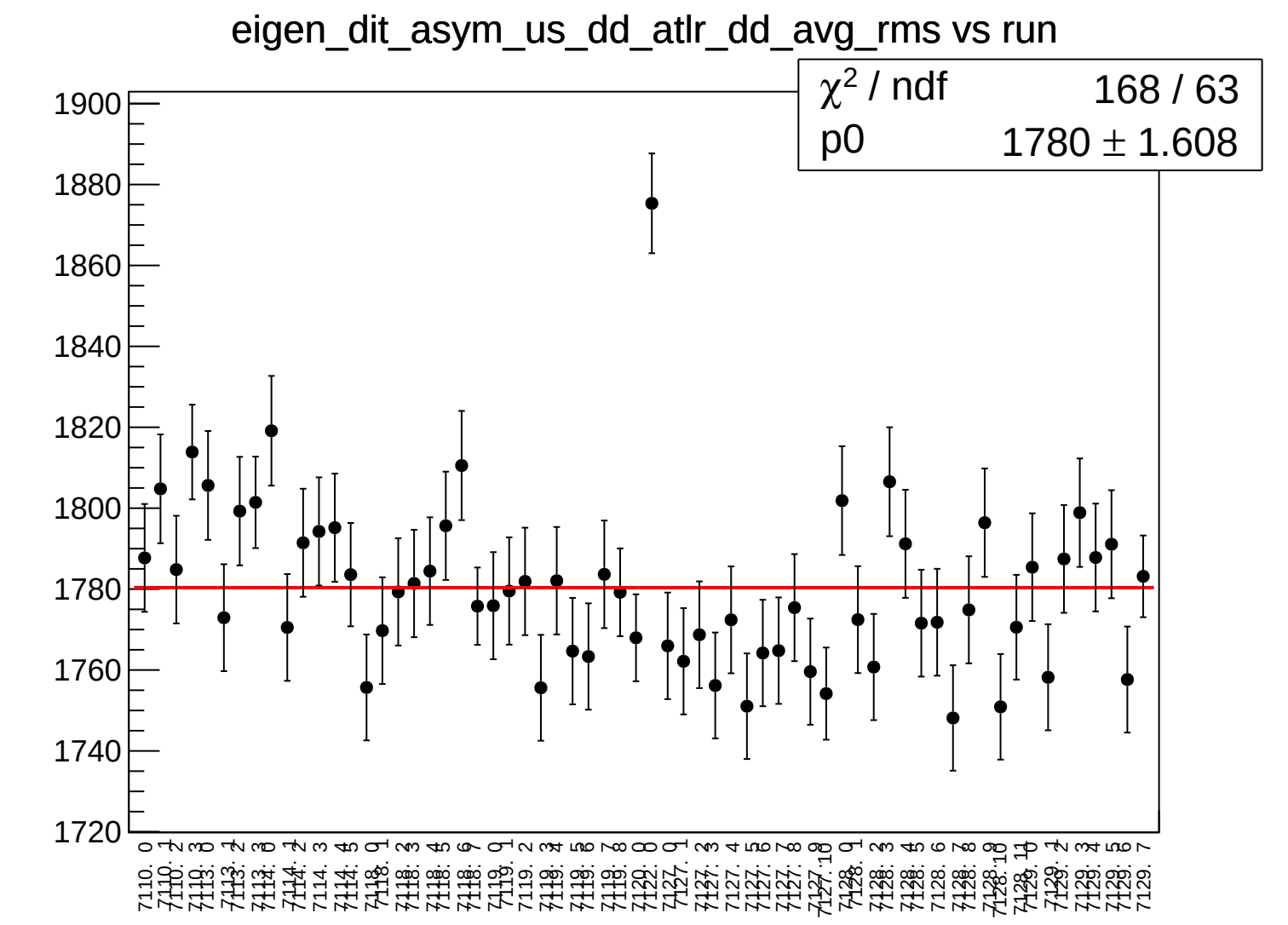

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 63.45 / 63
p0 −1970 ± 926.6
pull
Entries 64
Mean −884.2
Std Dev 0

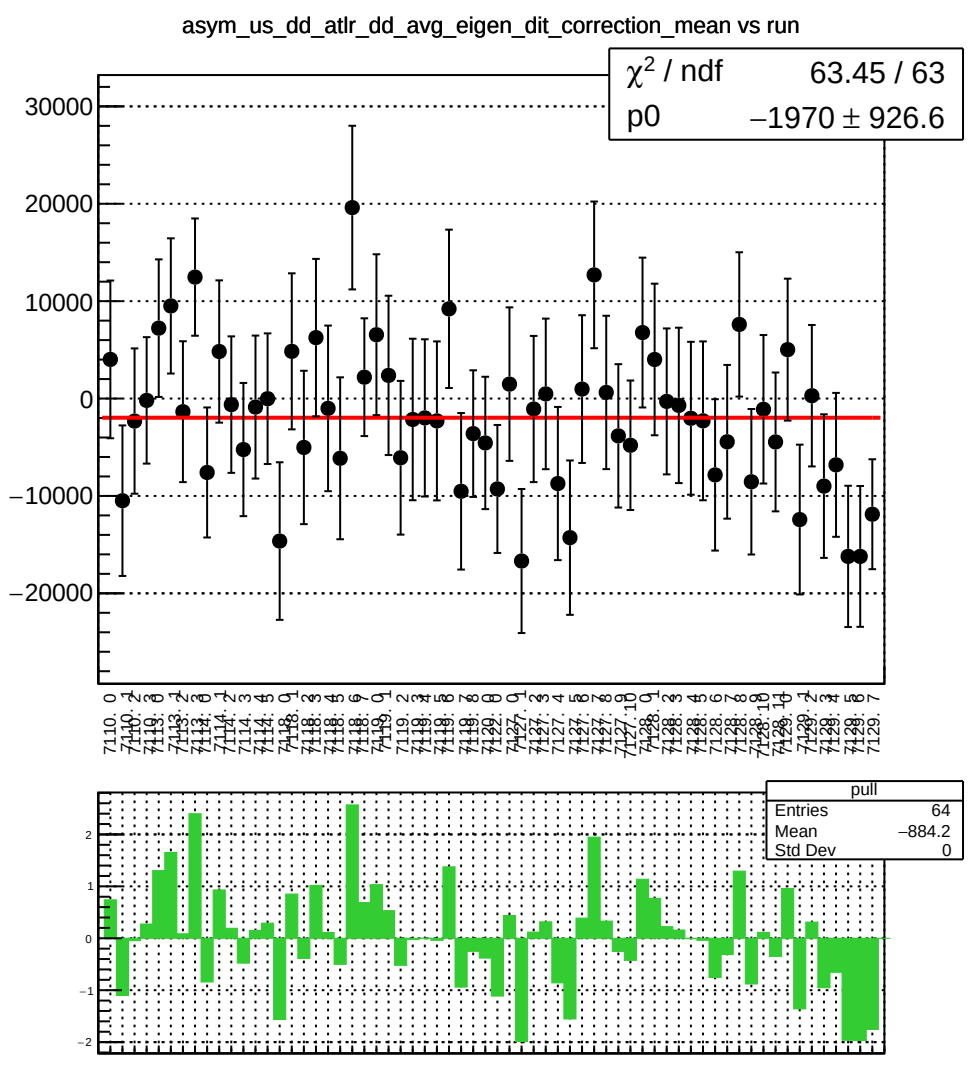

pull1D
Entries 64
Mean 0.006693
Std Dev 0.9957

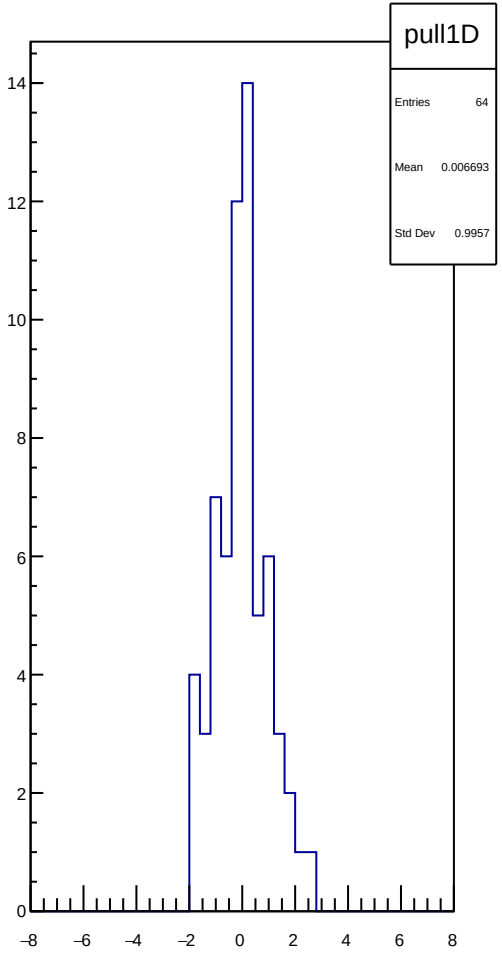

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 3867 / 63
p0 724.4 ± 0.6552
820
800
780
760
740
720
700
680
660
640
620

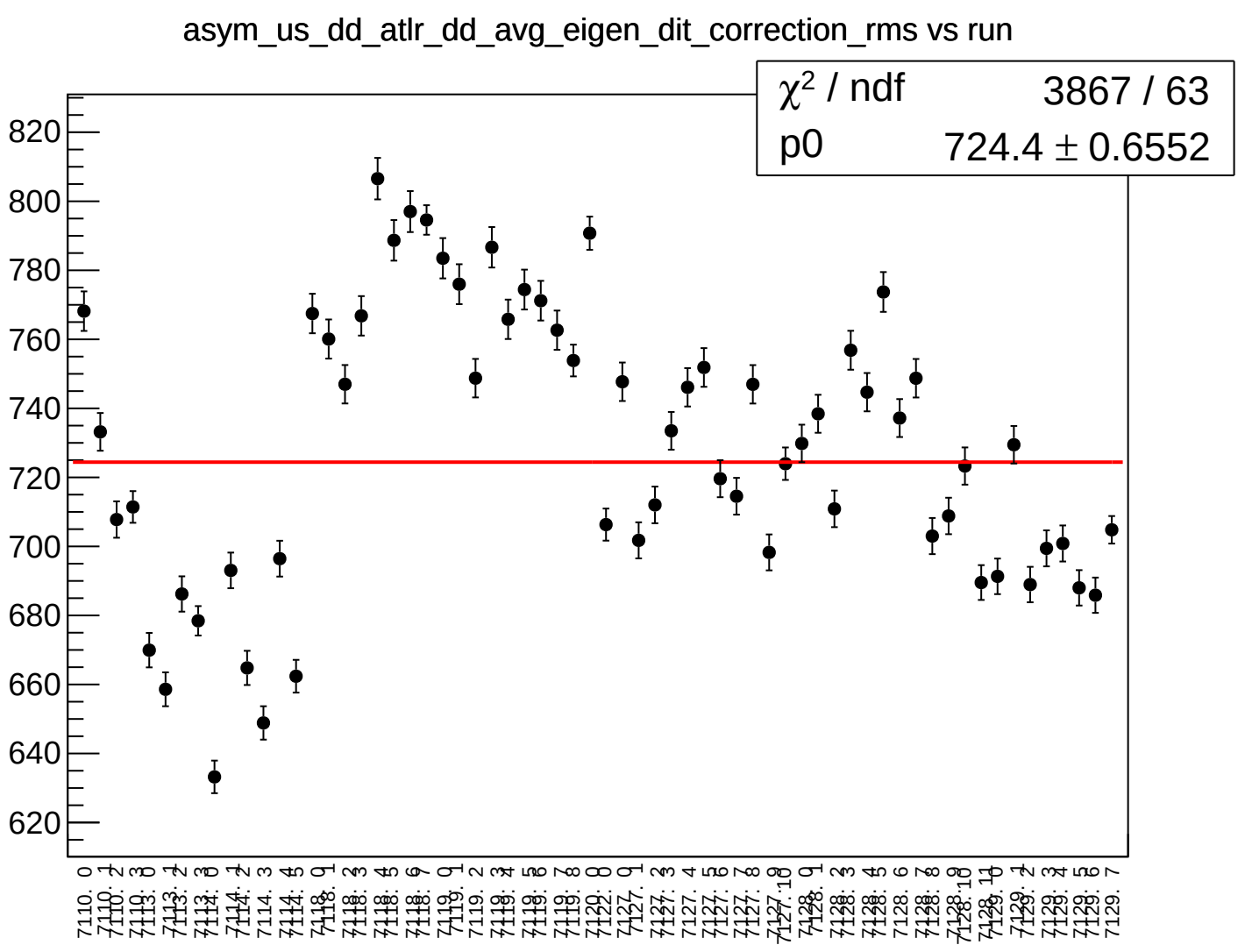

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.76 / 63
p0 −964.7 ± 2274
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 64
Mean −174.6
Std Dev 0
2
1
0
−1
−2

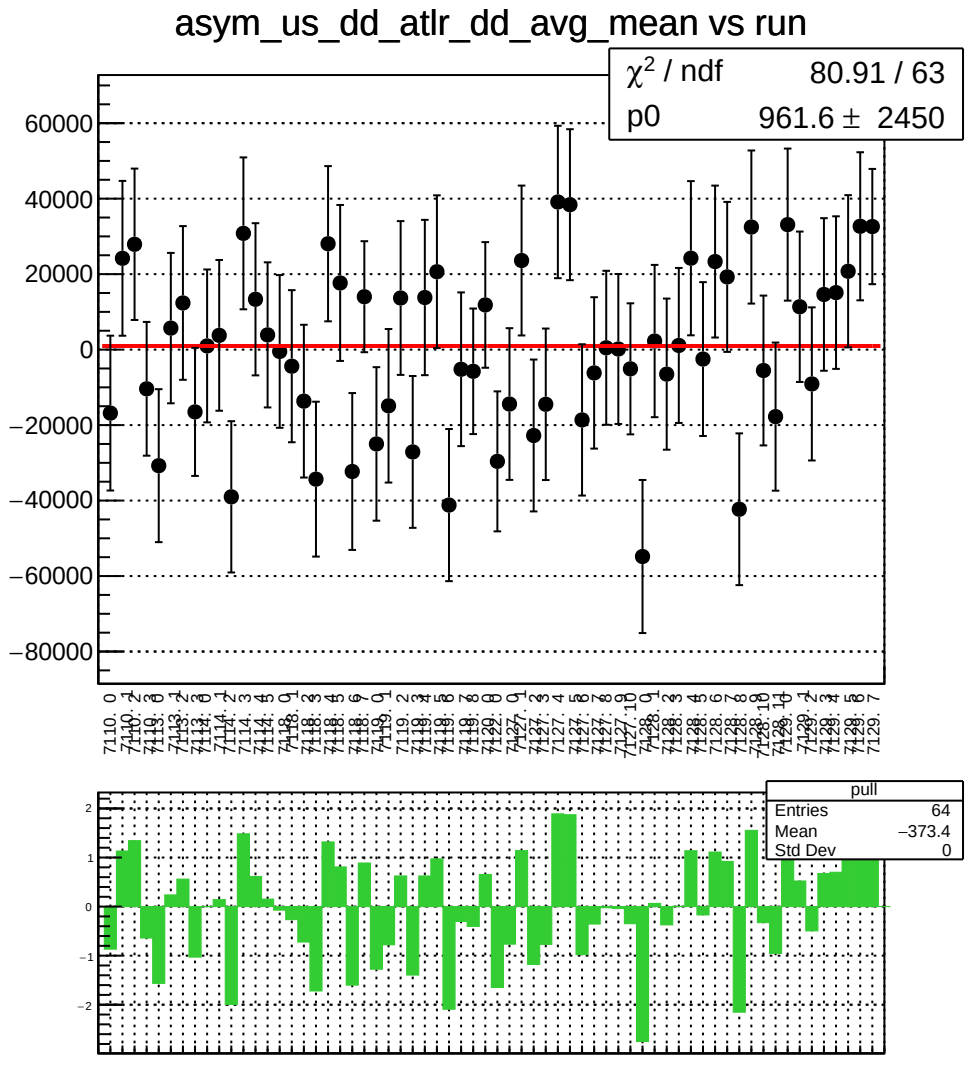

pull1D
Entries 64
Mean −0.009096
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

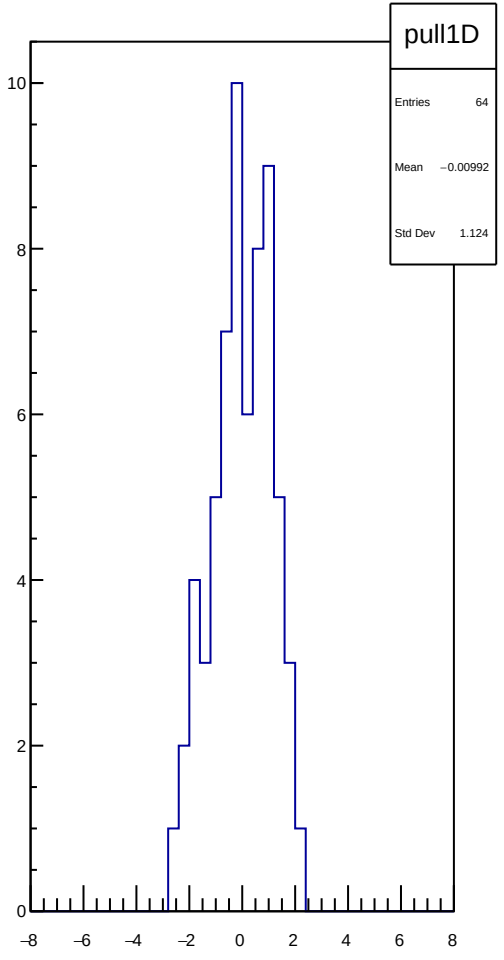

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 168 / 63
p0 1780 ± 1.608
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

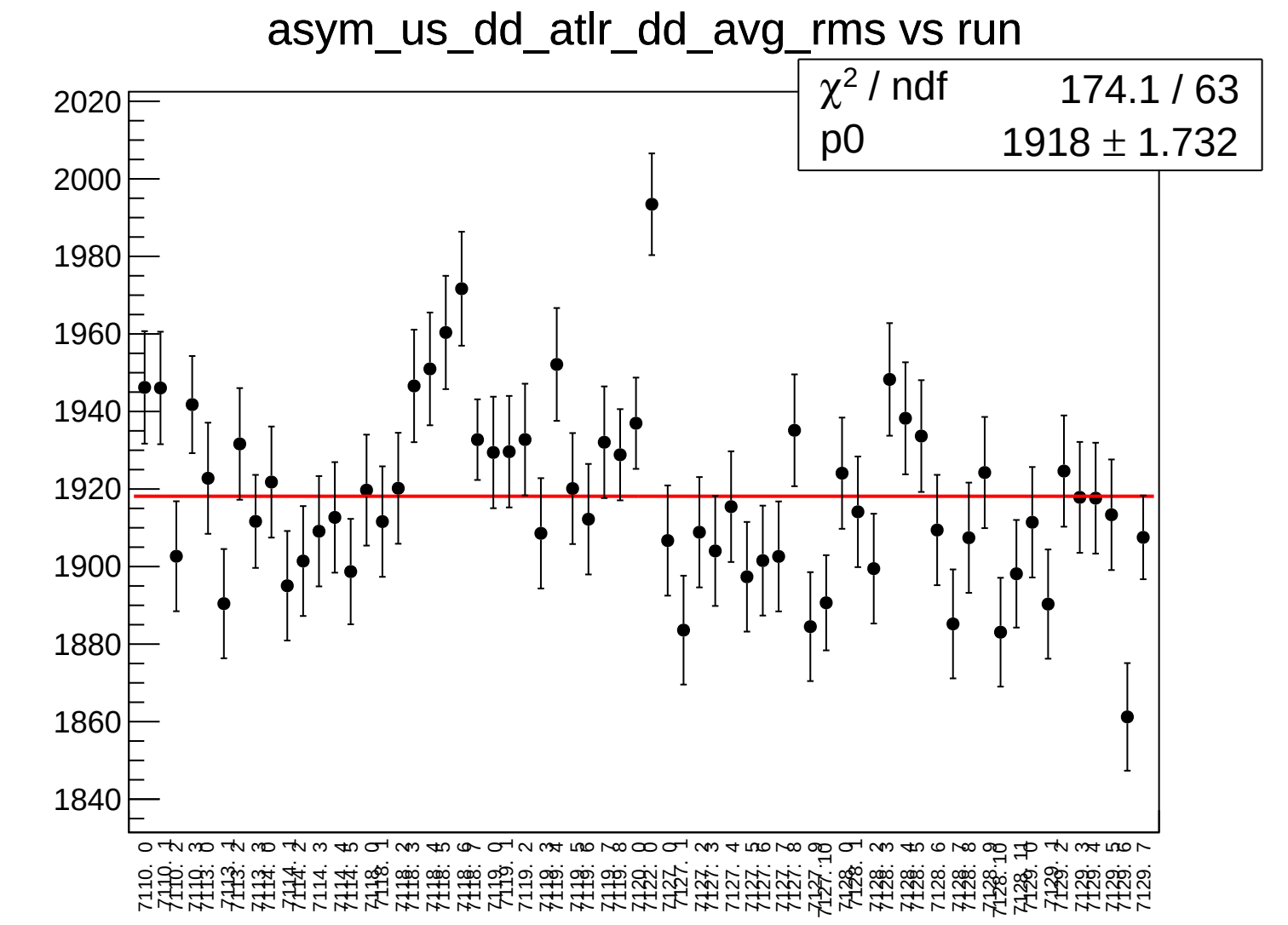

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.45 / 63
p0 −1970 ± 926.6
pull
Entries 64
Mean −884.2
Std Dev 0

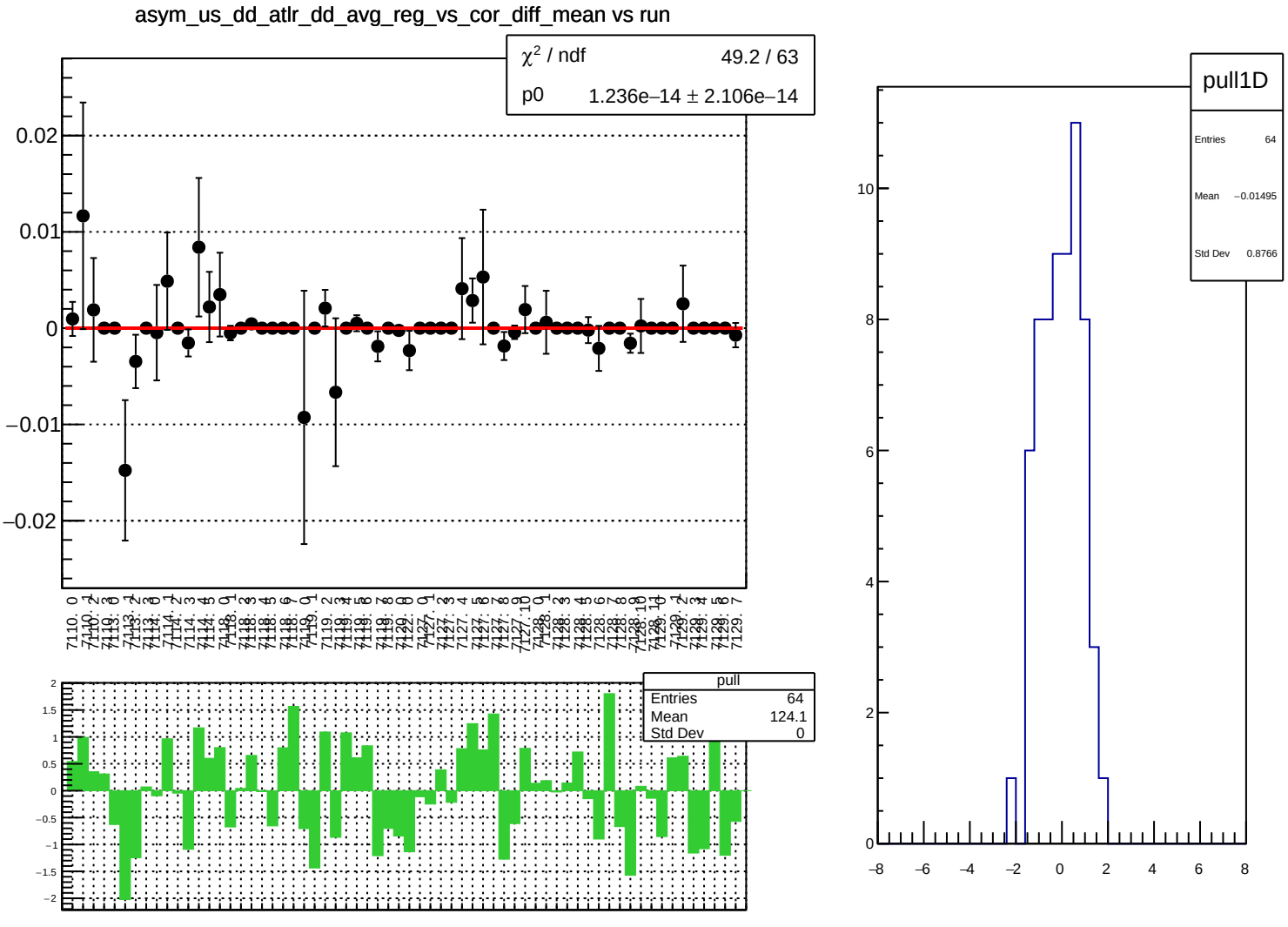

pull1D
Entries 64
Mean 0.006693
Std Dev 0.9957

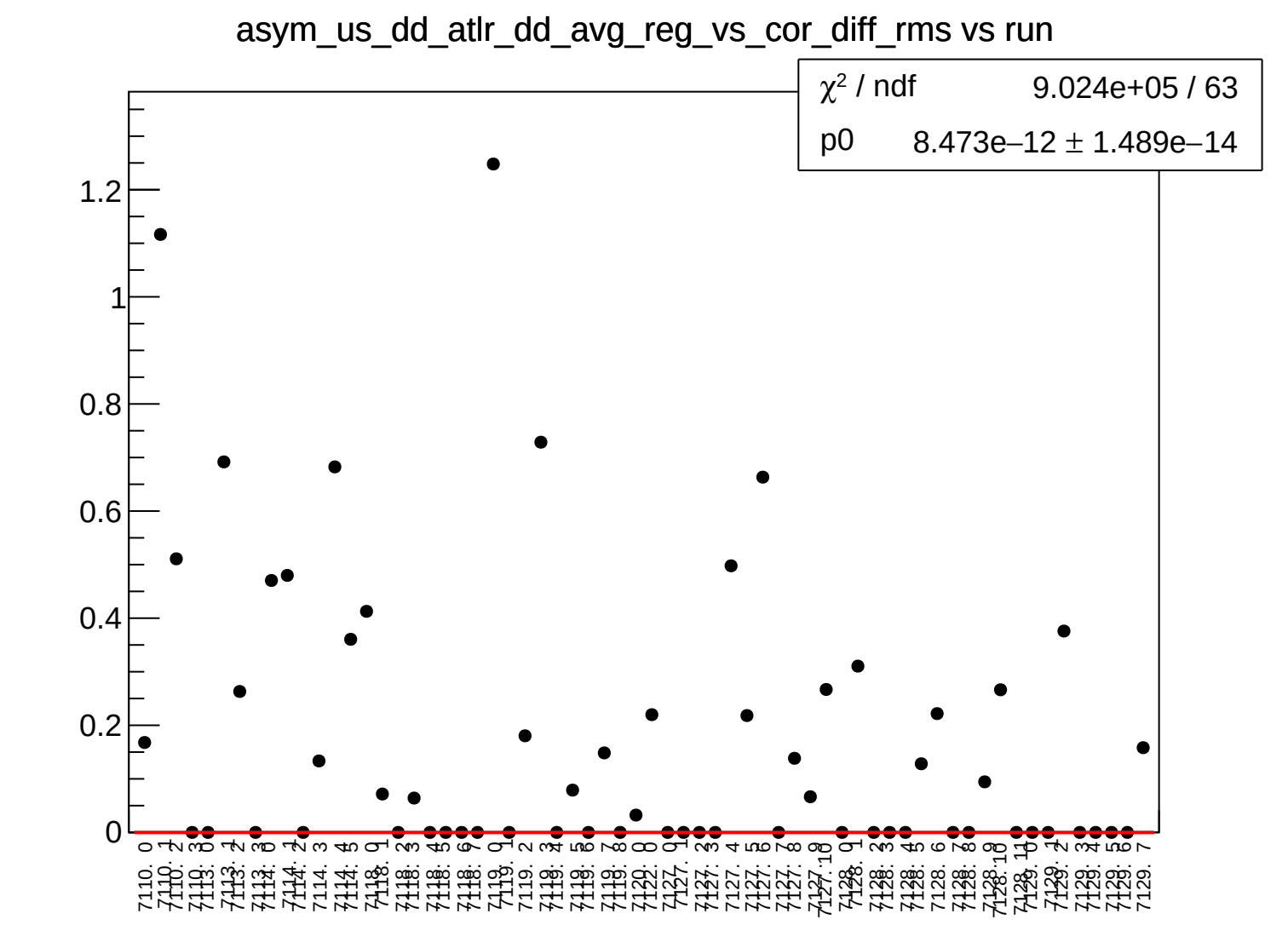

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3867 / 63
p0 724.4 ± 0.6552
820
800
780
760
740
720
700
680
660
640
620

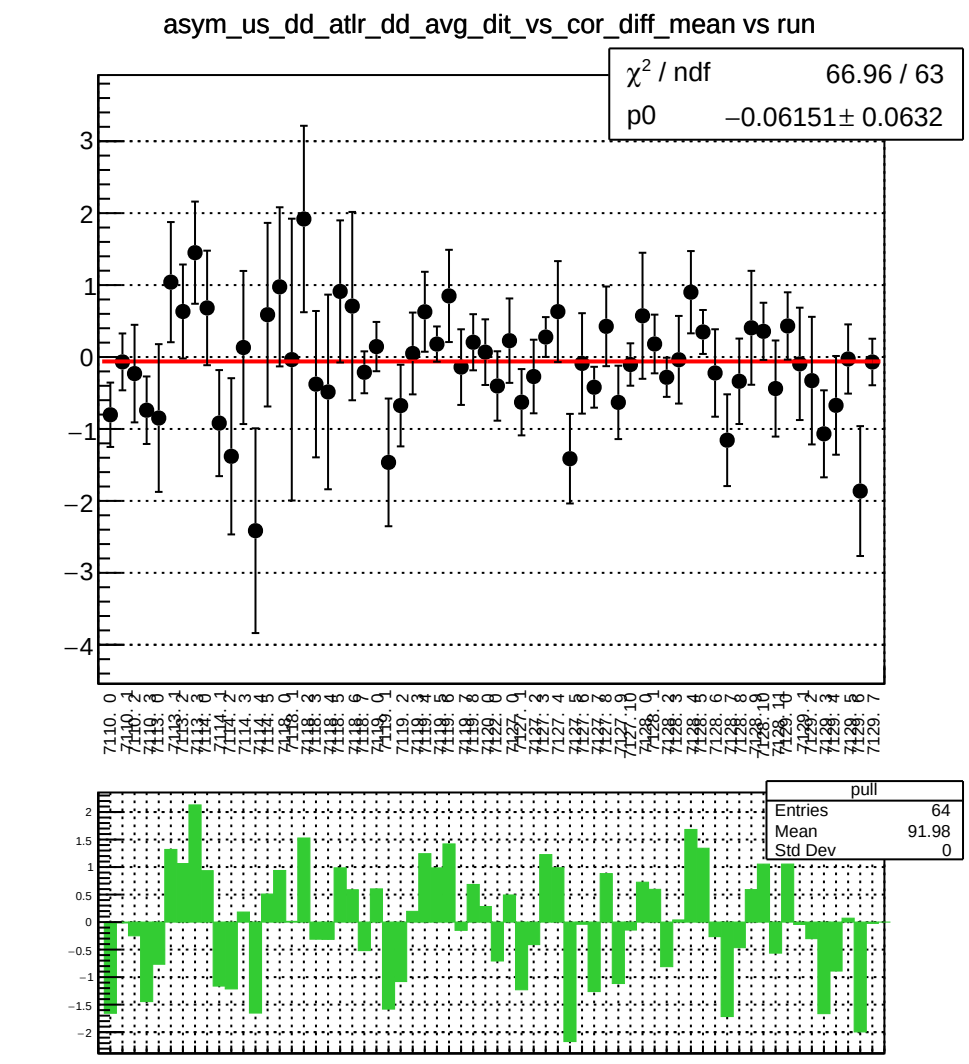

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 80.91 / 63
p0 961.6 ± 2450
pull
Entries 64
Mean −373.4
Std Dev 0

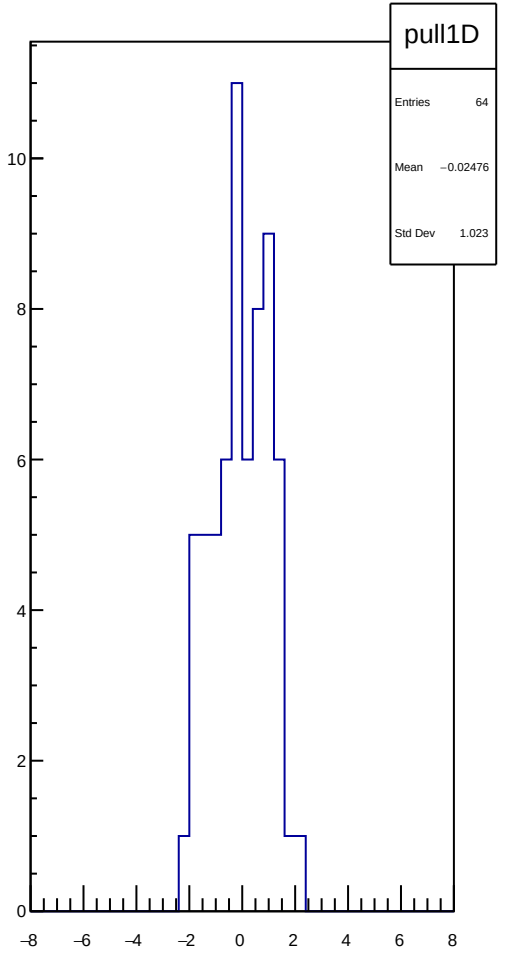

pull1D
Entries 64
Mean −0.00992
Std Dev 1.124

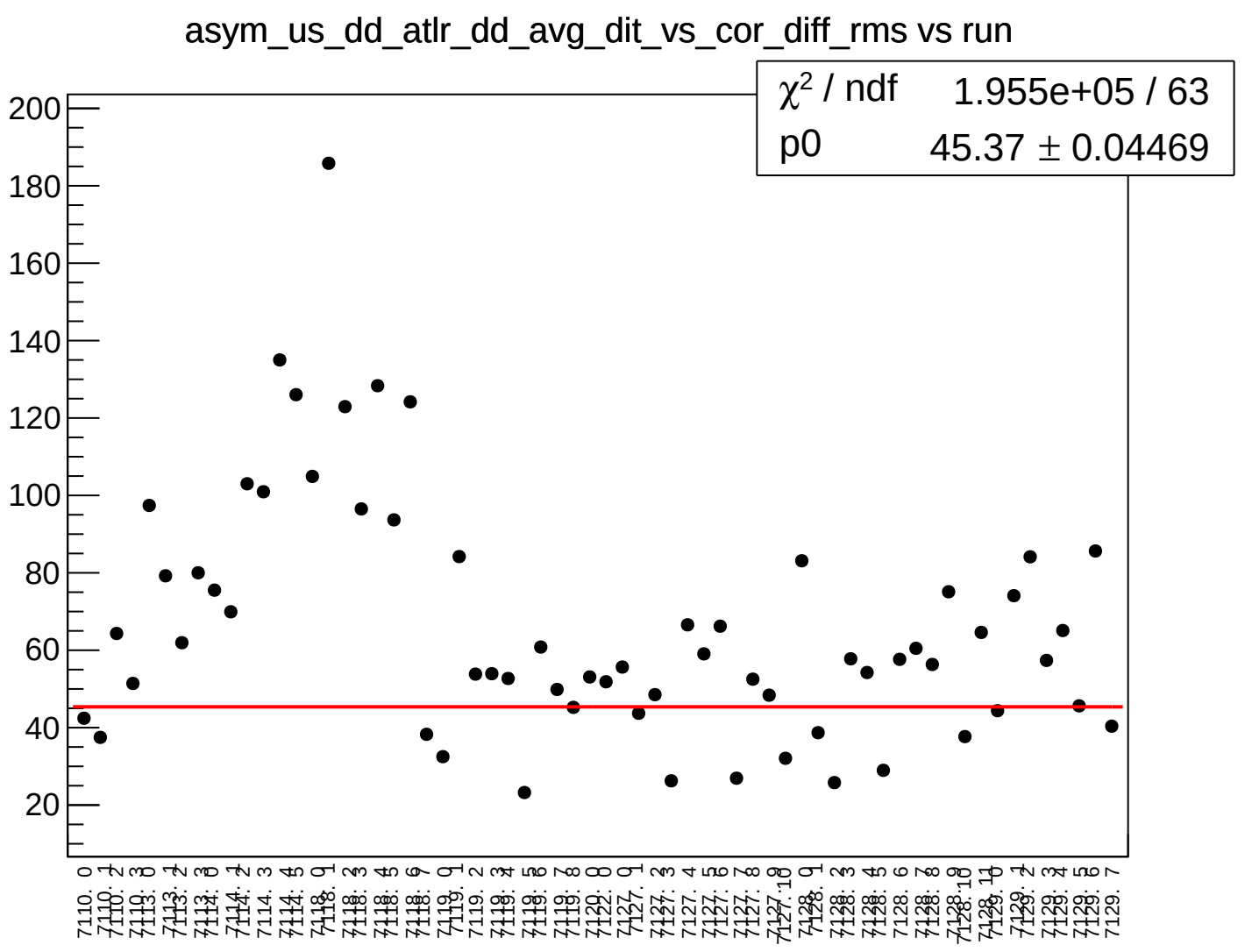

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 174.1 / 63
p0 1918 ± 1.732
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

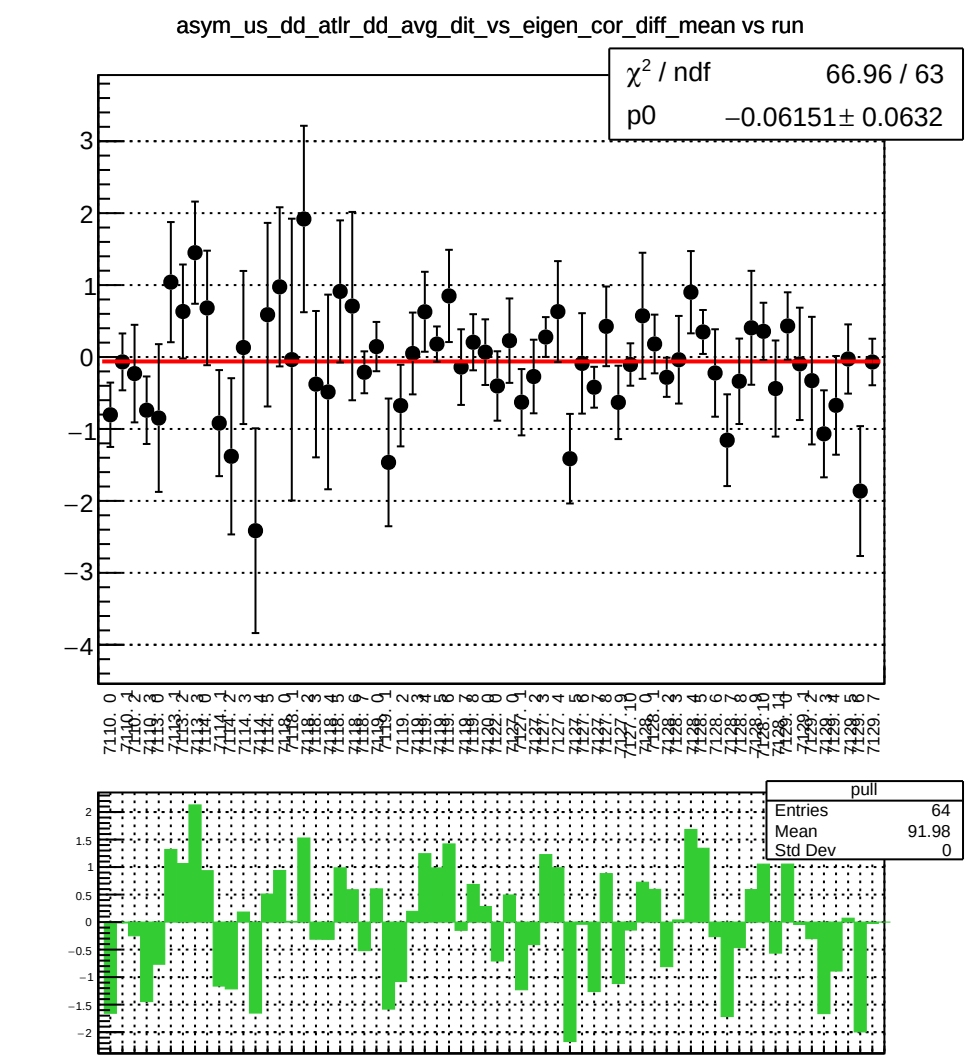

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.2 / 63
p0 1.236e−14 ± 2.106e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean 124.1
Std Dev 0
pull1D
Entries 64
Mean −0.01495
Std Dev 0.8766
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

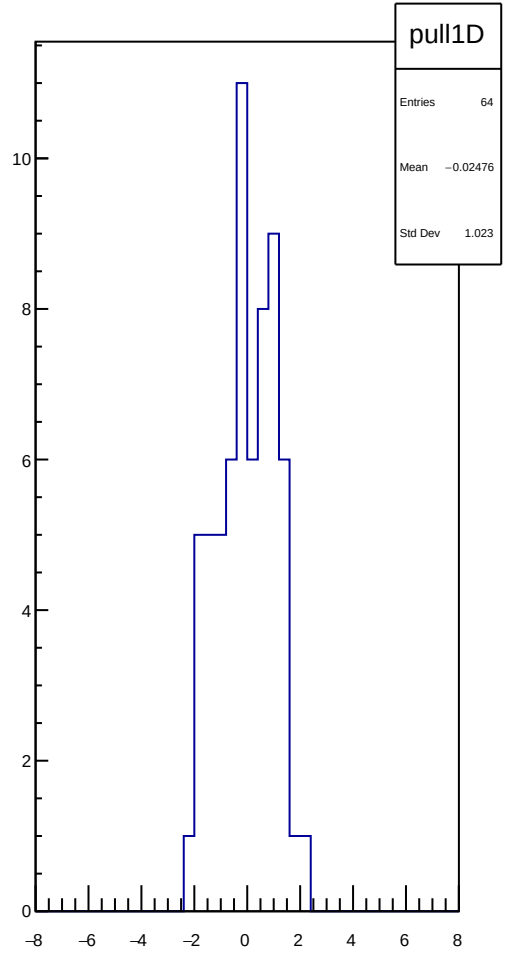

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.024e+05 / 63
p0 8.473e−12 ± 1.489e−14
1.2
1
0.8
0.6
0.4
0.2
0

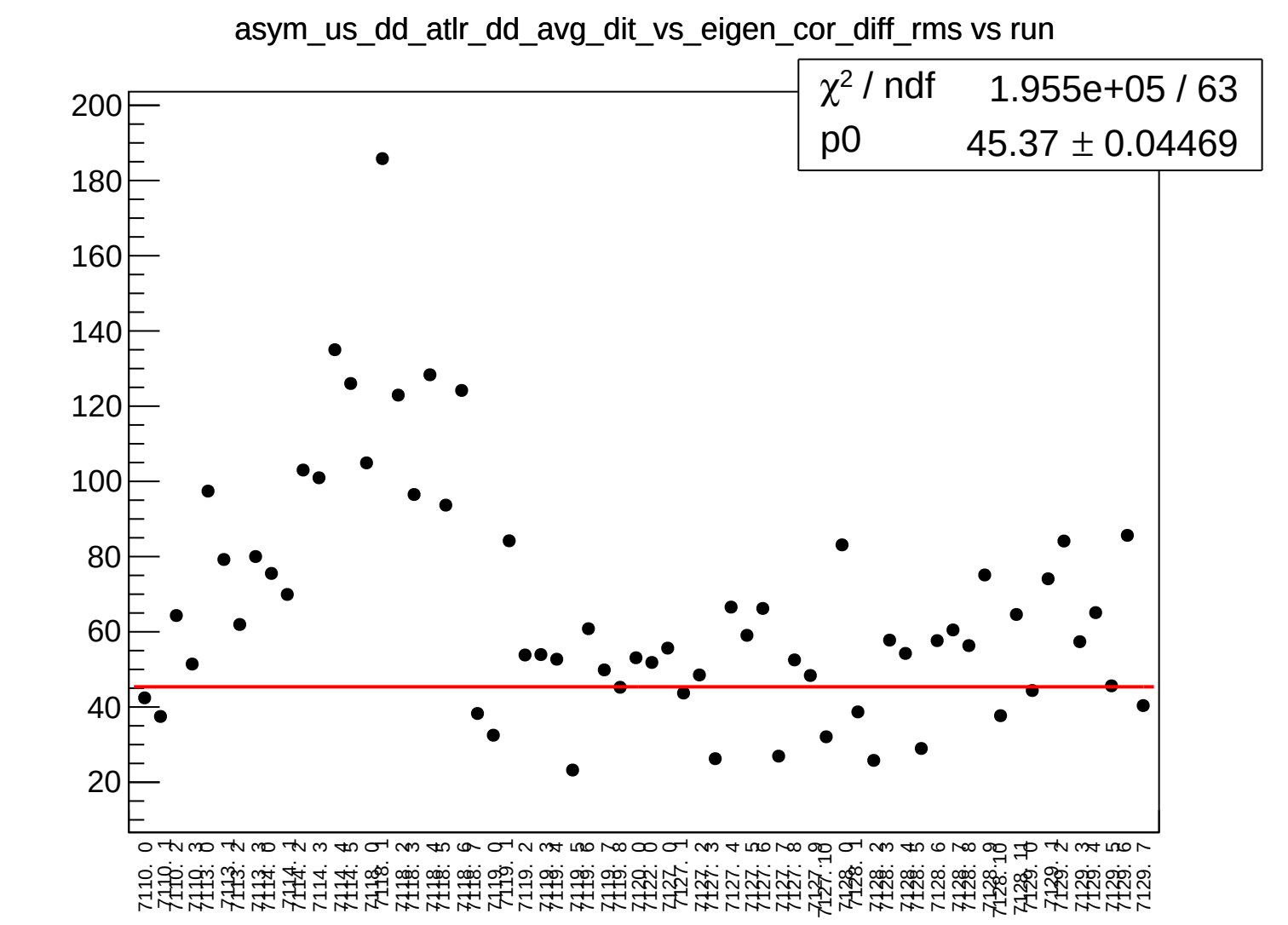

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 66.96 / 63
p0 −0.06151 ± 0.0632
pull
Entries 64
Mean 91.98
Std Dev 0

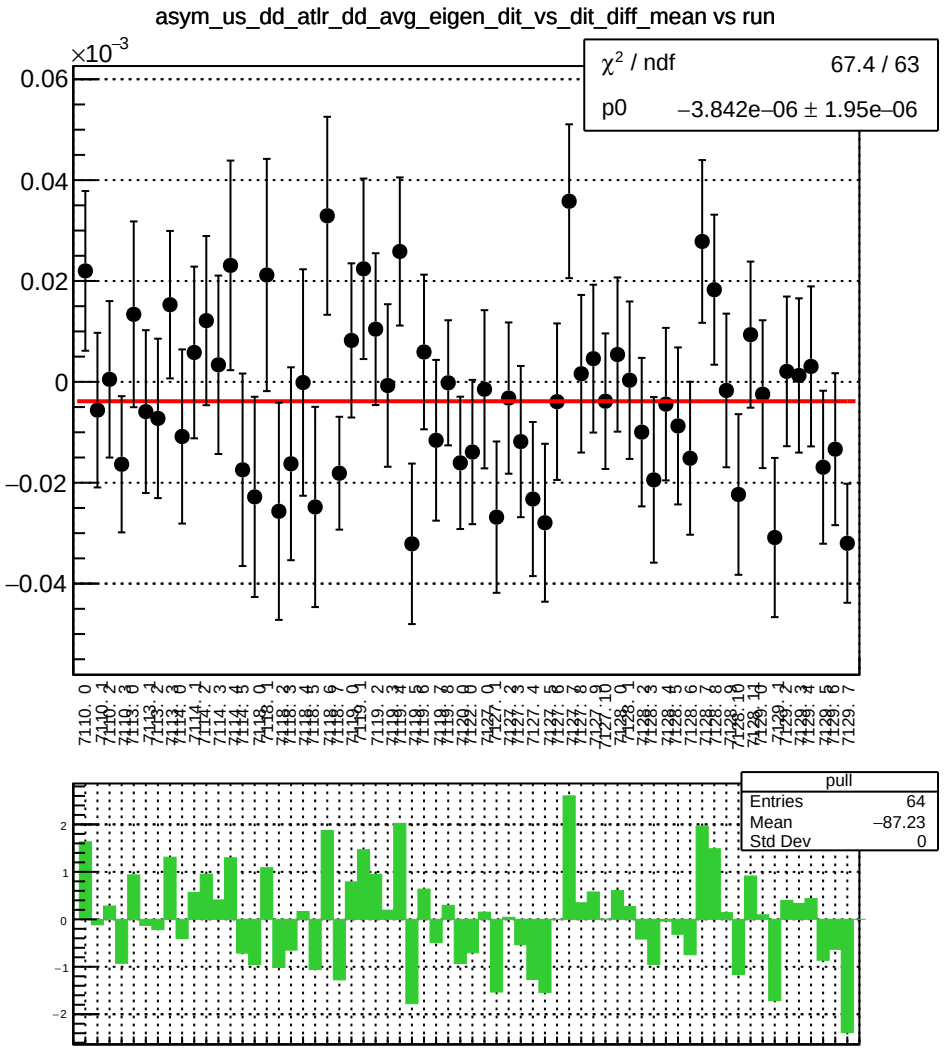

pull1D
Entries 64
Mean −0.02476
Std Dev 1.023

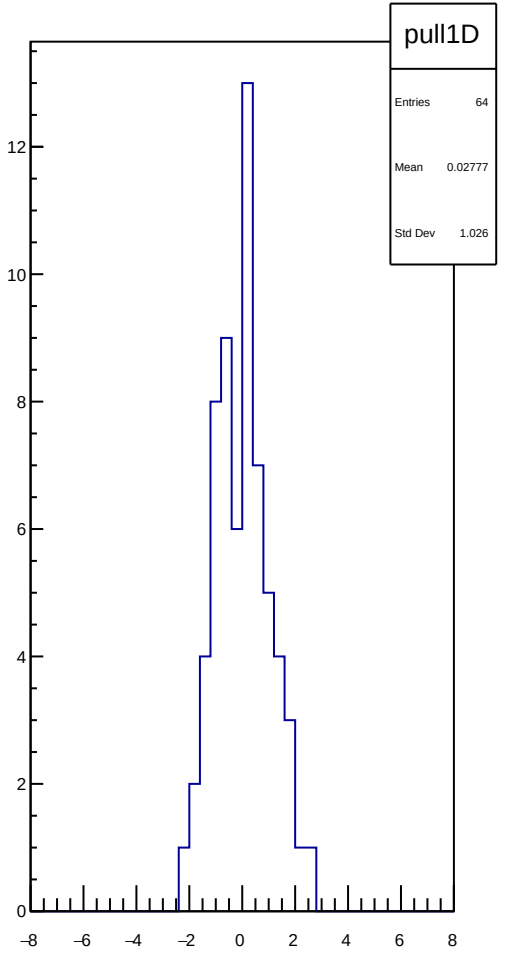

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 63
p0 45.37 ± 0.04469
200
180
160
140
120
100
80
60
40
20

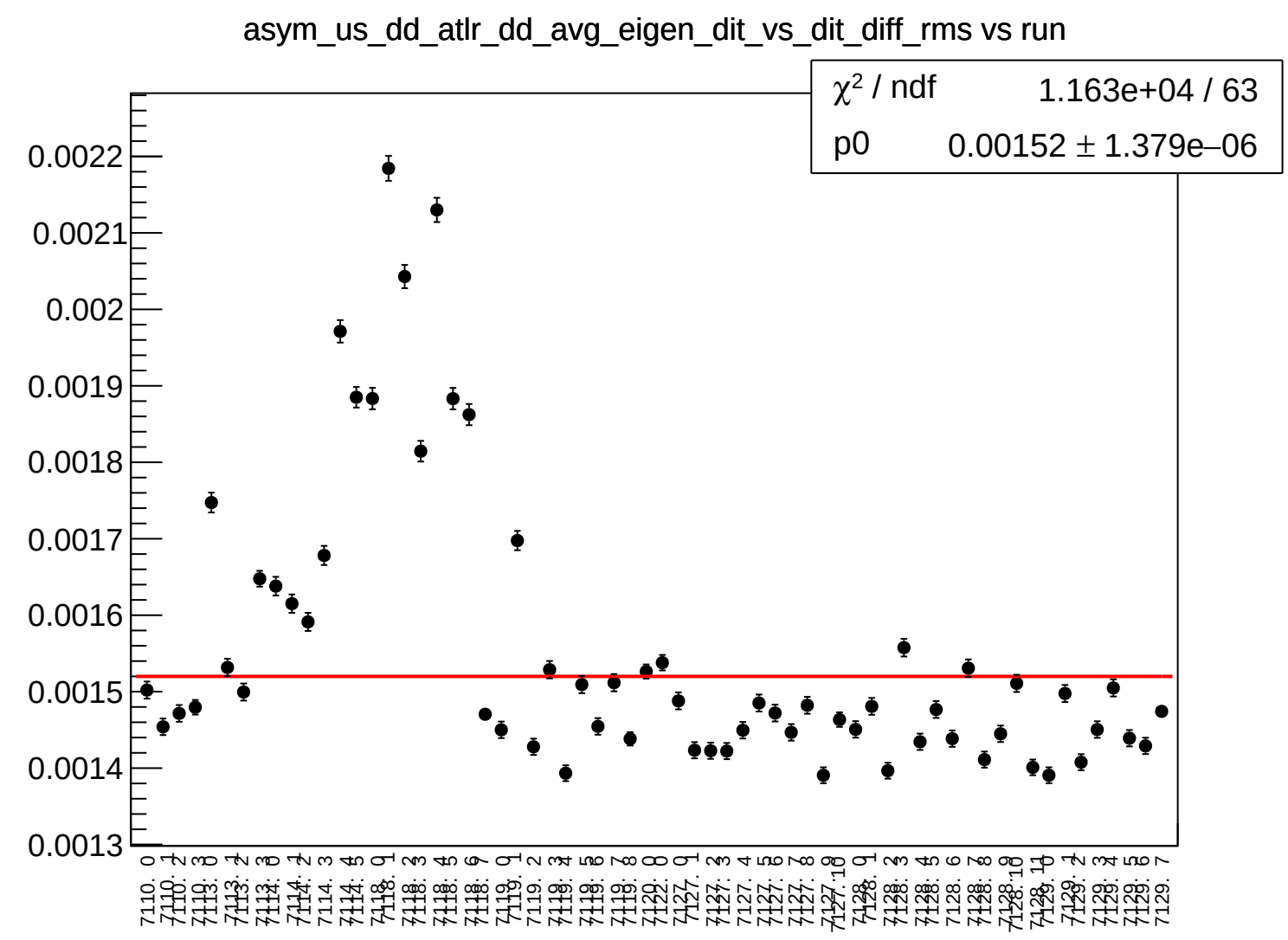

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.96 / 63
p0 −0.06151 ± 0.0632
pull
Entries 64
Mean 91.98
Std Dev 0

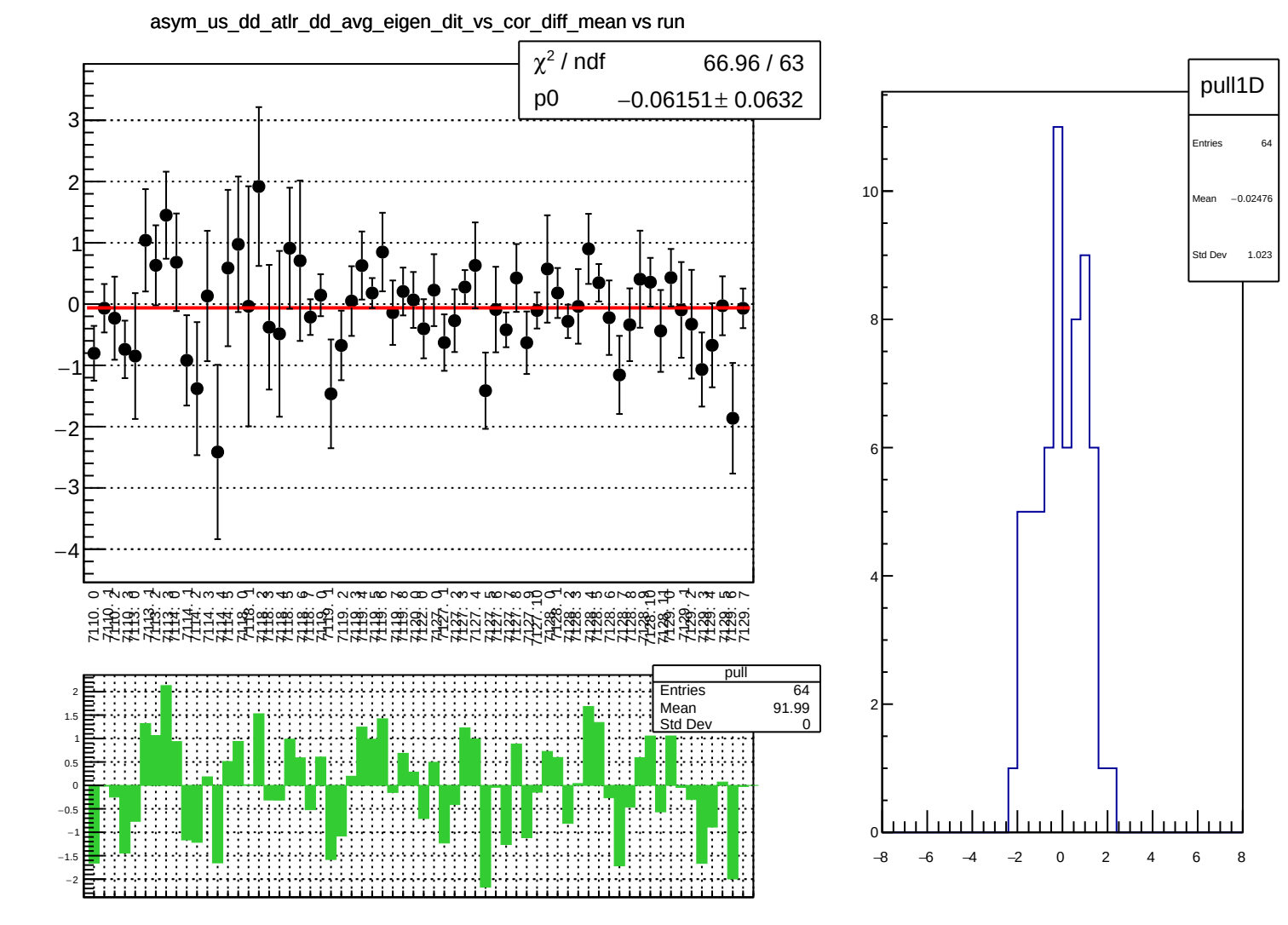

pull1D
Entries 64
Mean −0.02476
Std Dev 1.023

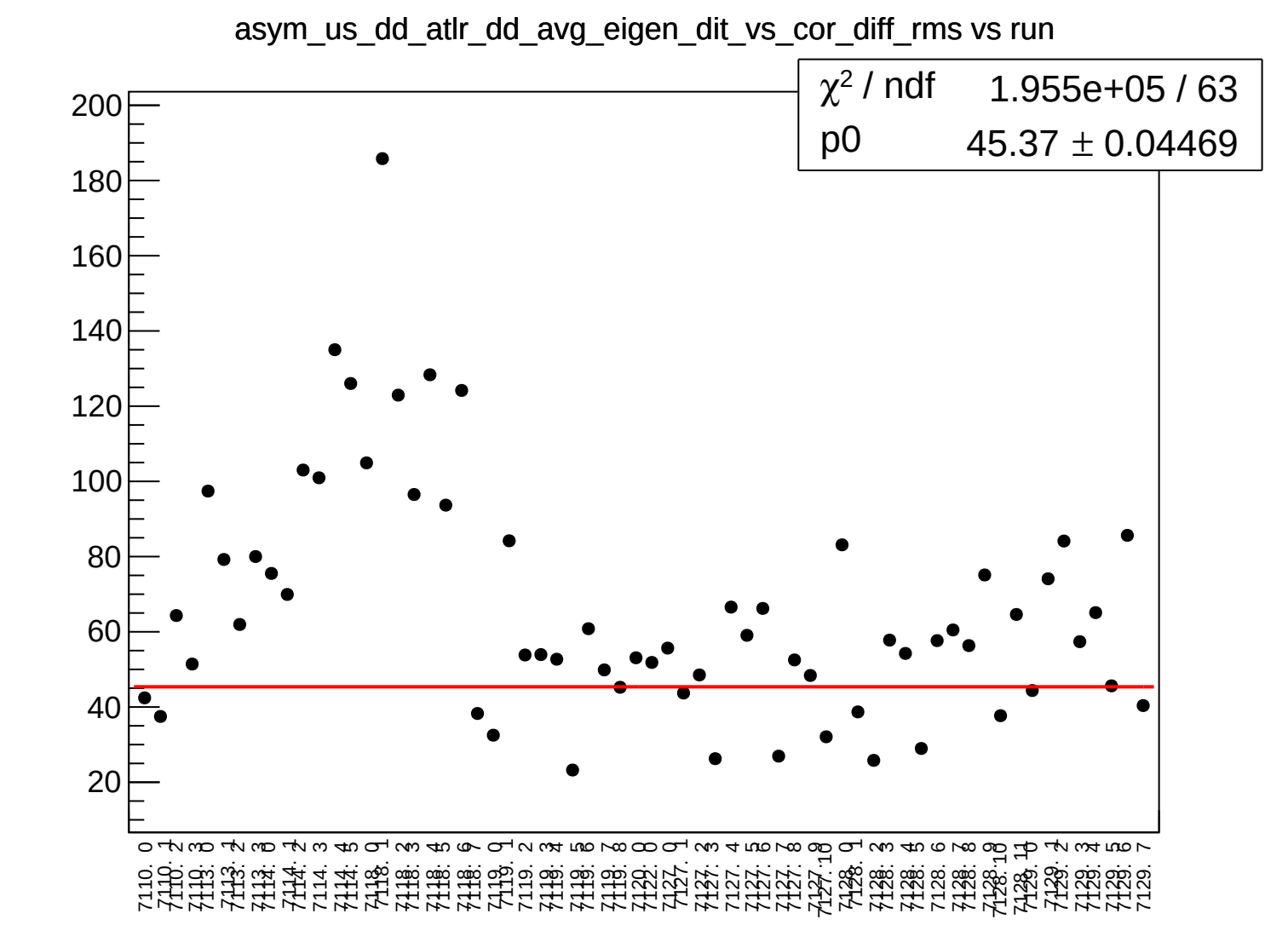

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 63
p0 45.37 ± 0.04469
200
180
160
140
120
100
80
60
40
20

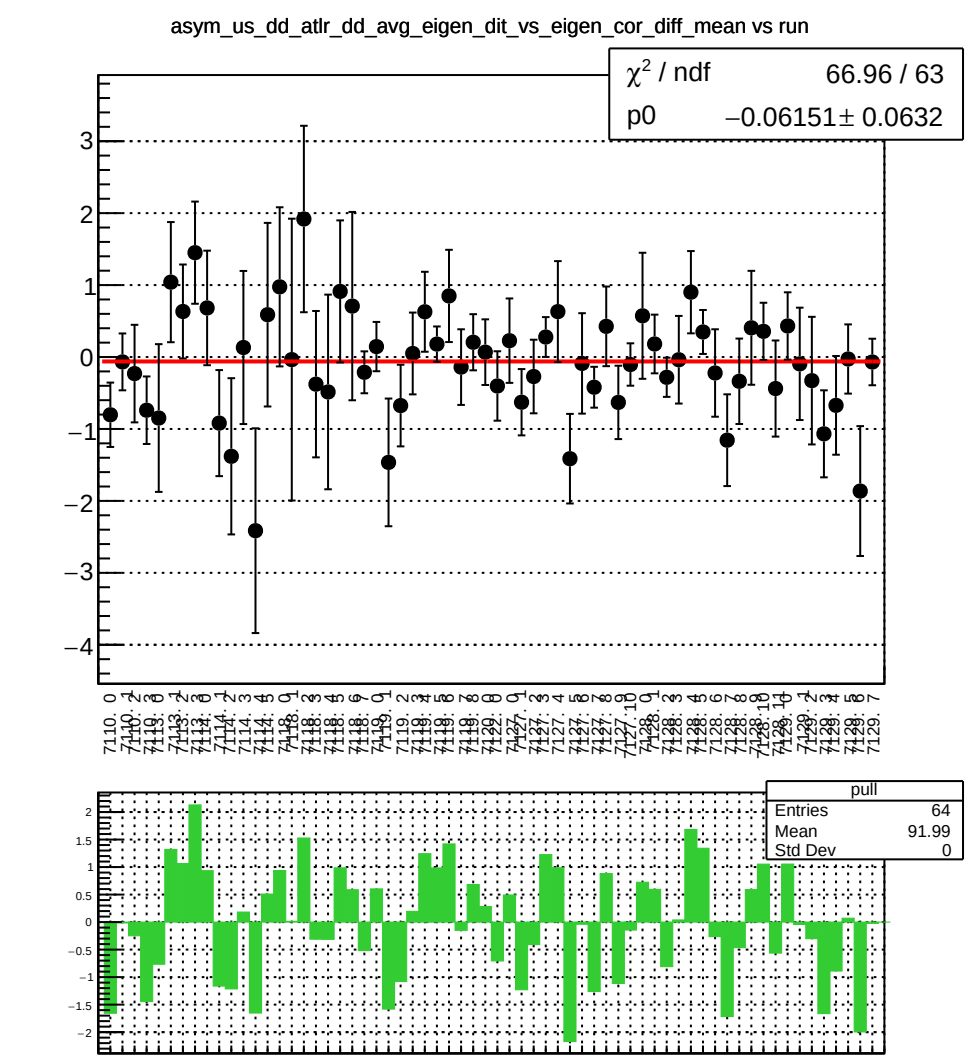

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.4 / 63
p0 −3.842e−06 ± 1.95e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 64
Mean −87.23
Std Dev 0
2
1
0
−1
−2

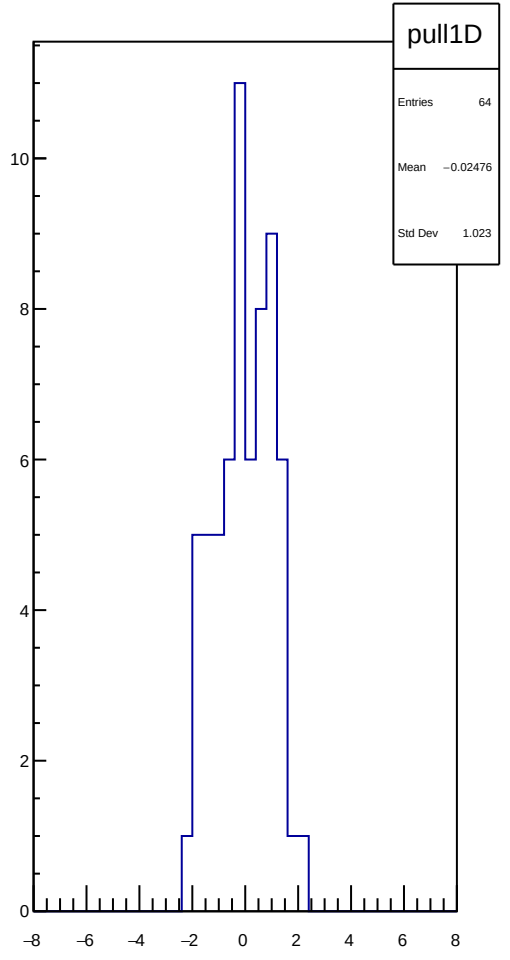

pull1D
Entries 64
Mean 0.02777
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

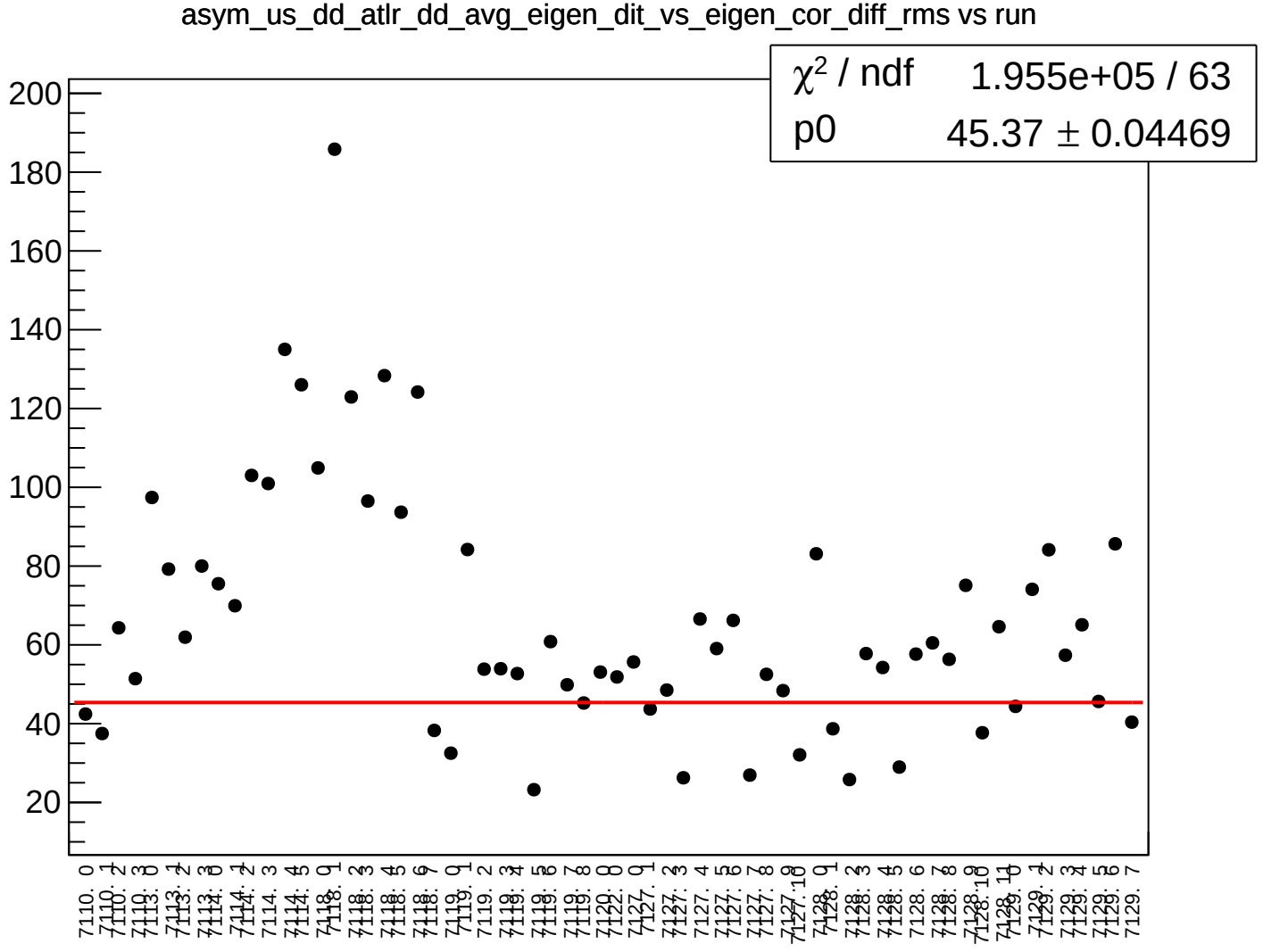

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.163e+04 / 63
p0 0.00152 ± 1.379e–06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

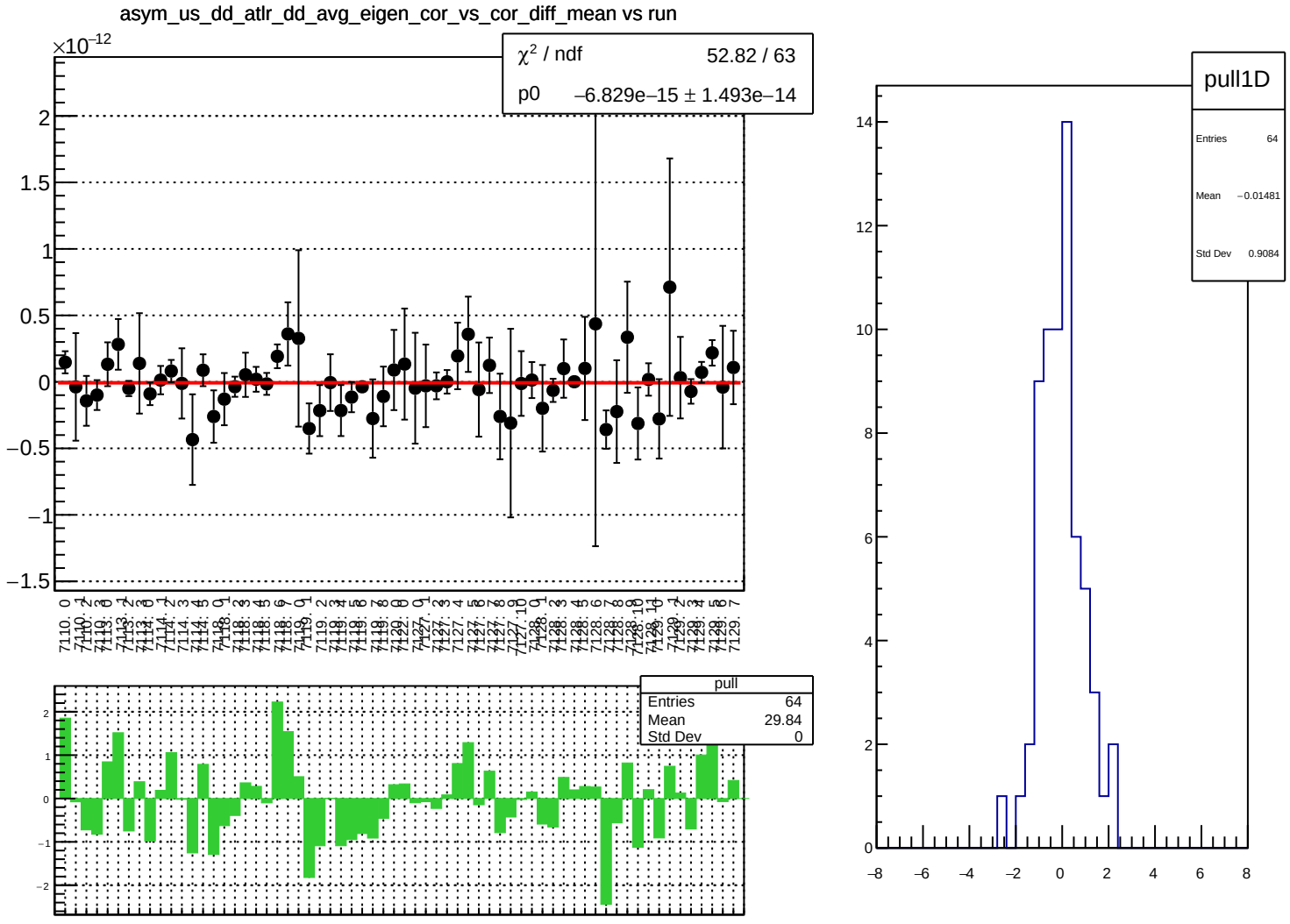

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.96 / 63
p0 −0.06151 ± 0.0632
pull
Entries 64
Mean 91.99
Std Dev 0
pull1D
Entries 64
Mean −0.02476
Std Dev 1.023

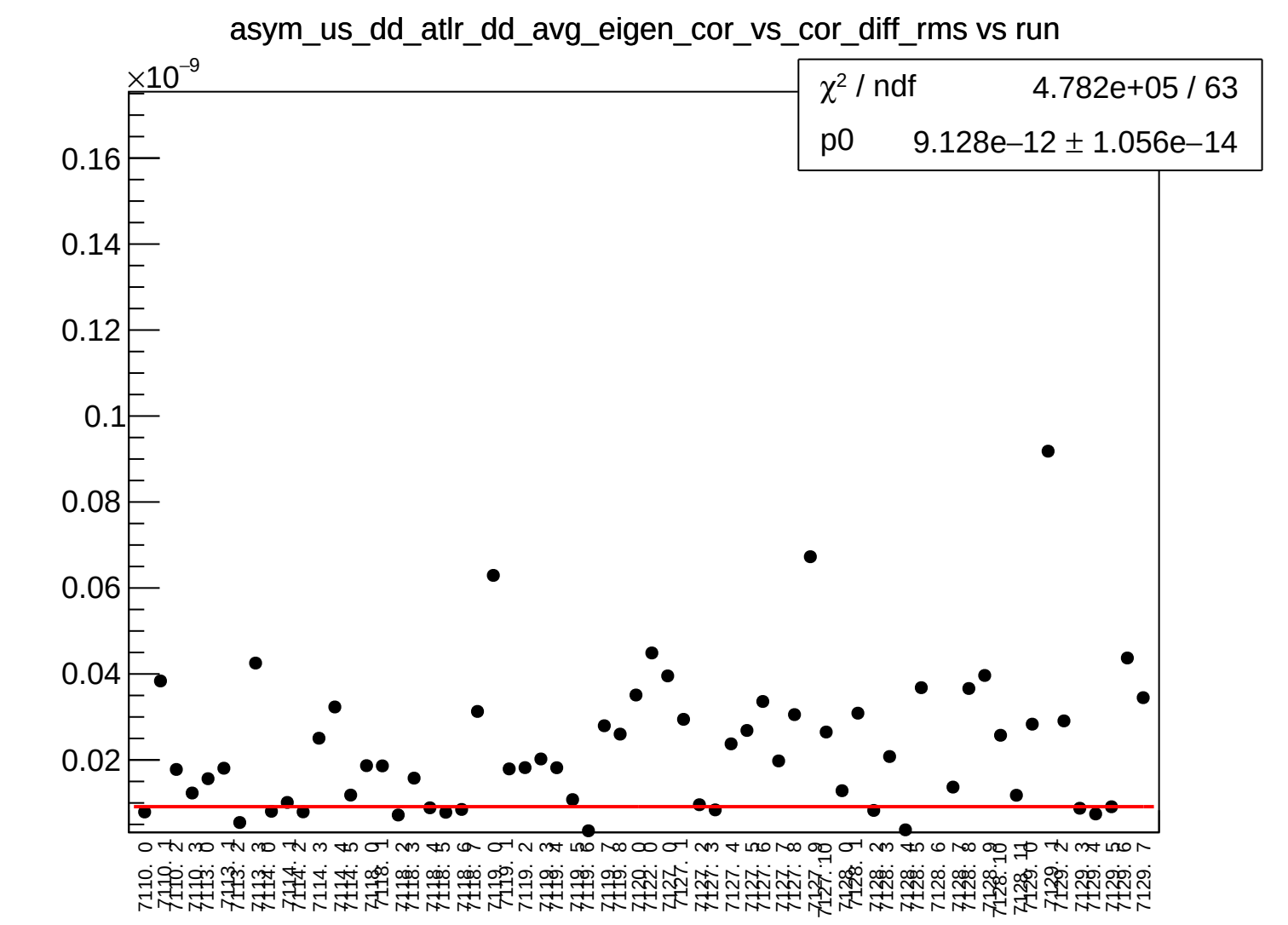

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 63
p0 45.37 ± 0.04469
200
180
160
140
120
100
80
60
40
20

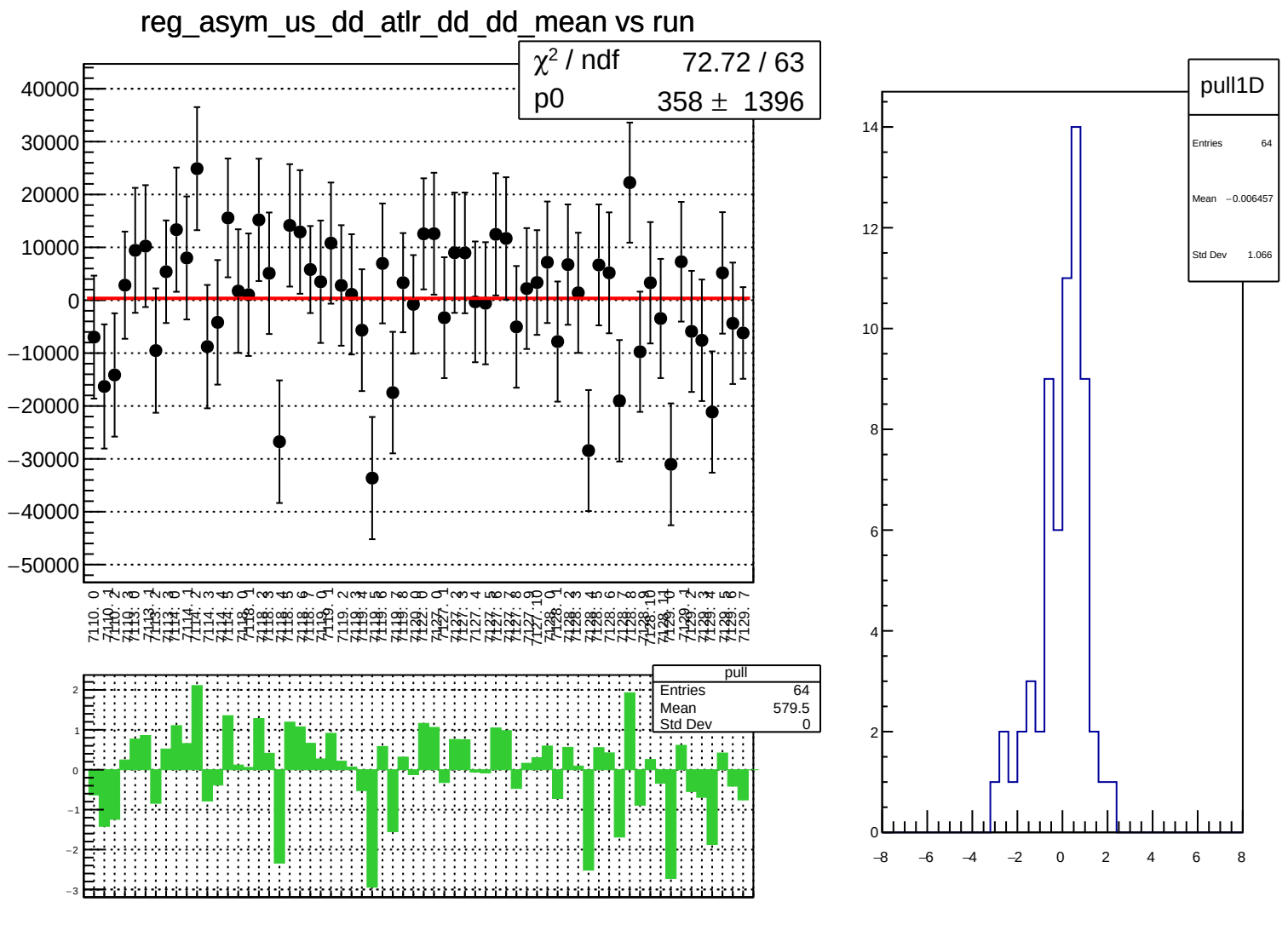

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.96 / 63
p0 −0.06151 ± 0.0632
pull
Entries 64
Mean 91.99
Std Dev 0

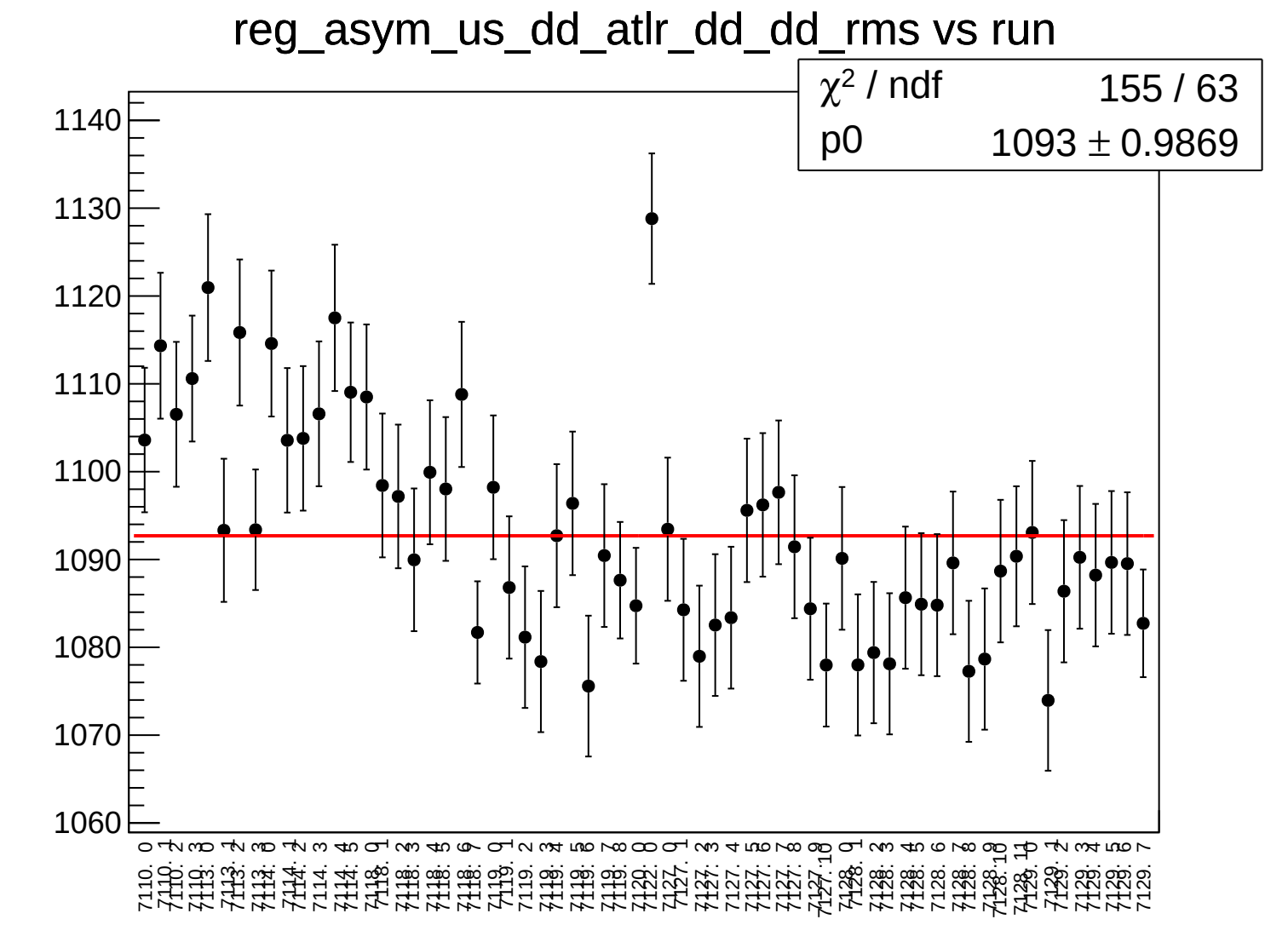

pull1D
Entries 64
Mean −0.02476
Std Dev 1.023

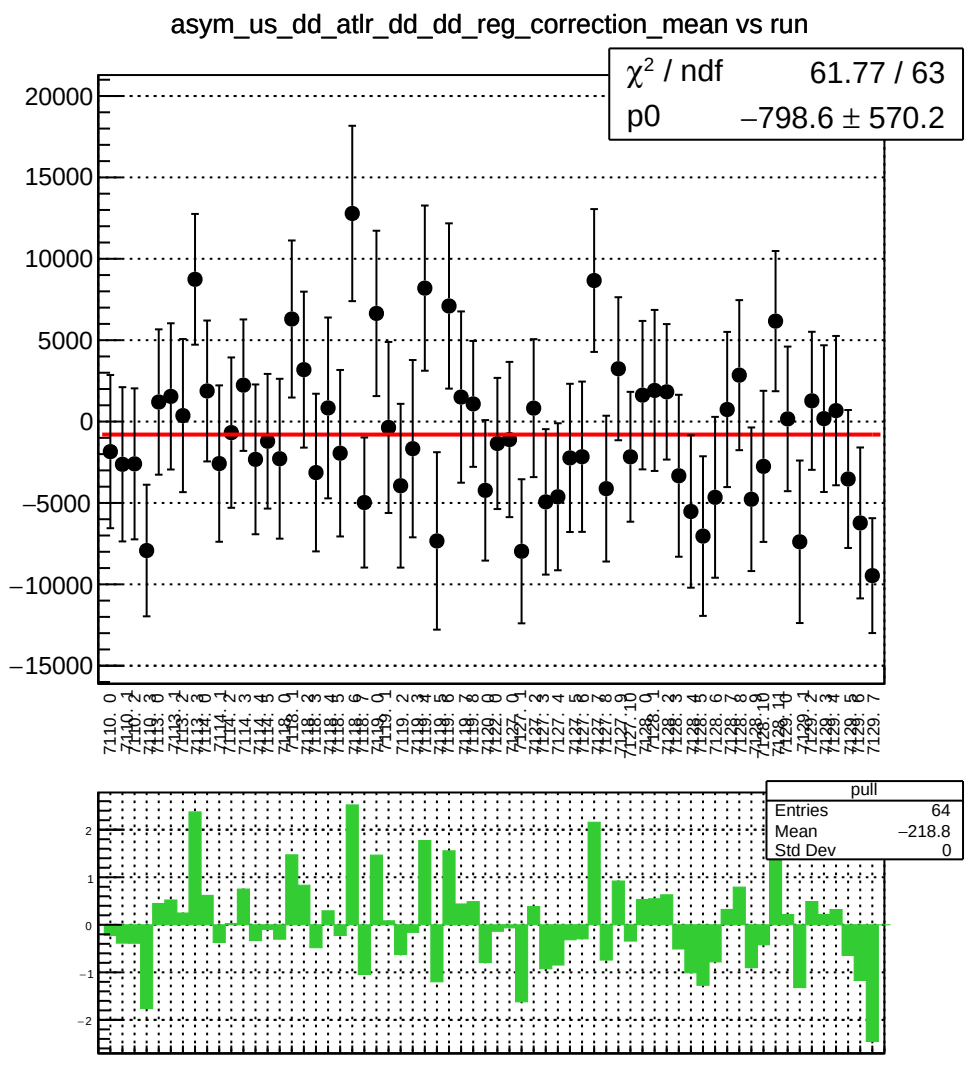

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 63
p0 45.37 ± 0.04469
200
180
160
140
120
100
80
60
40
20

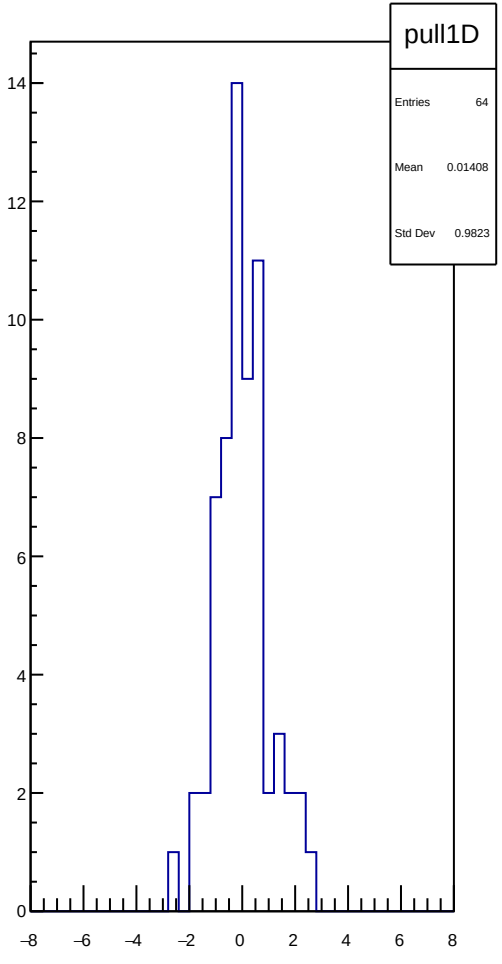

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.82 / 63
p0 −6.829e−15 ± 1.493e−14
pull
Entries 64
Mean 29.84
Std Dev 0
pull1D
Entries 64
Mean −0.01481
Std Dev 0.9084

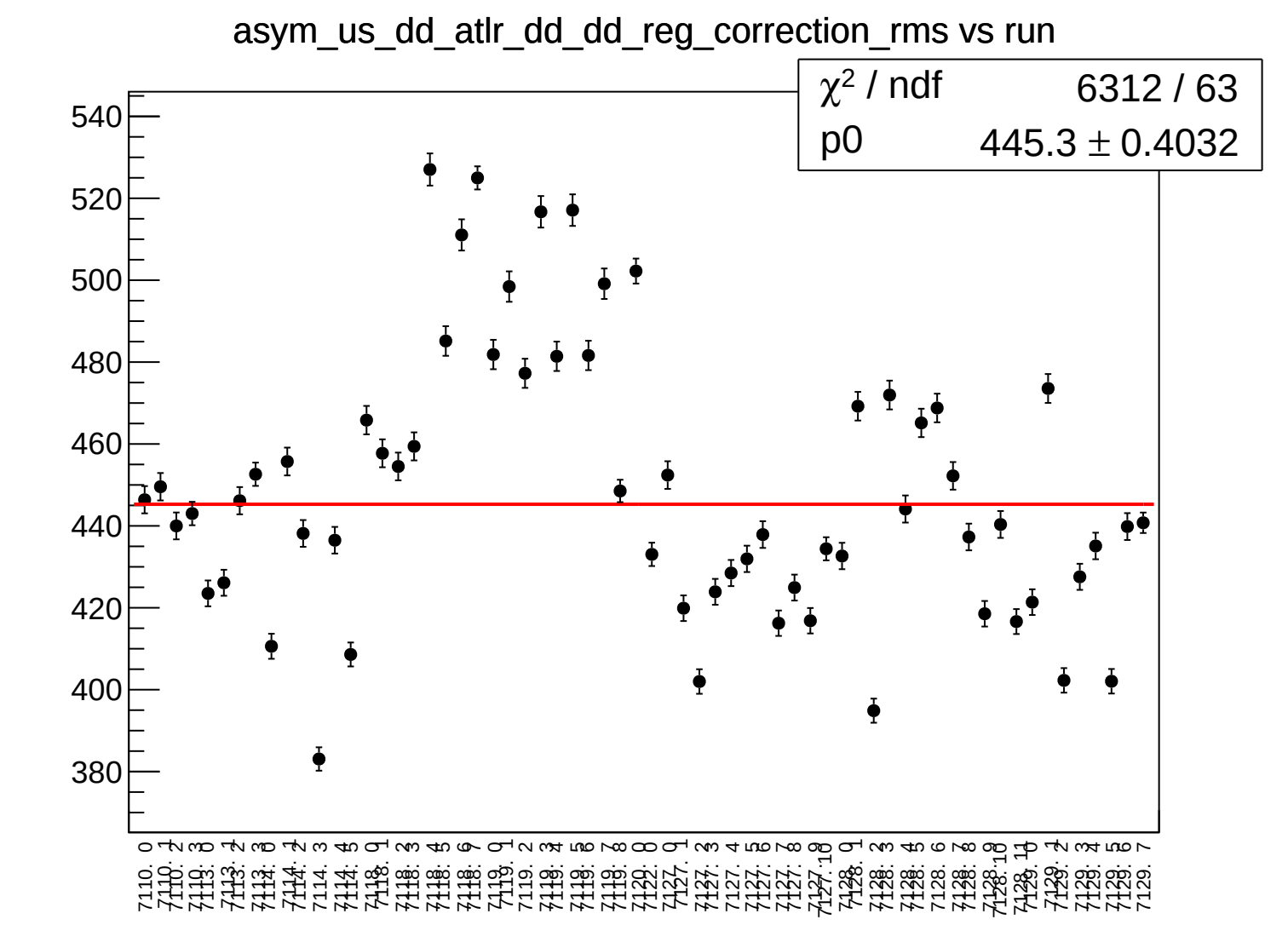

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.782e+05 / 63
p0 9.128e−12 ± 1.056e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

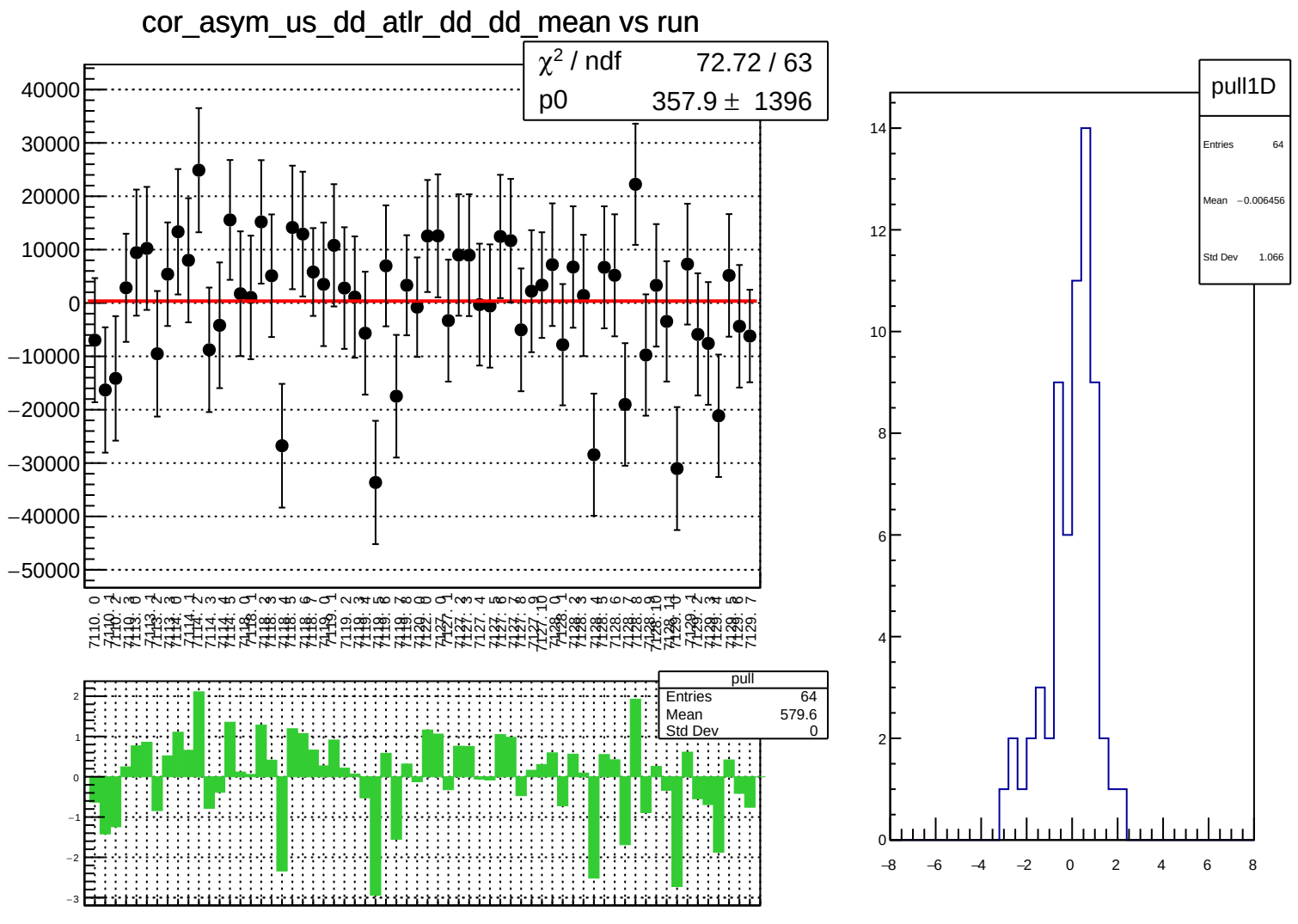

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.72 / 63
p0 358 ± 1396
pull
Entries 64
Mean 579.5
Std Dev 0
pull1D
Entries 64
Mean −0.006457
Std Dev 1.066

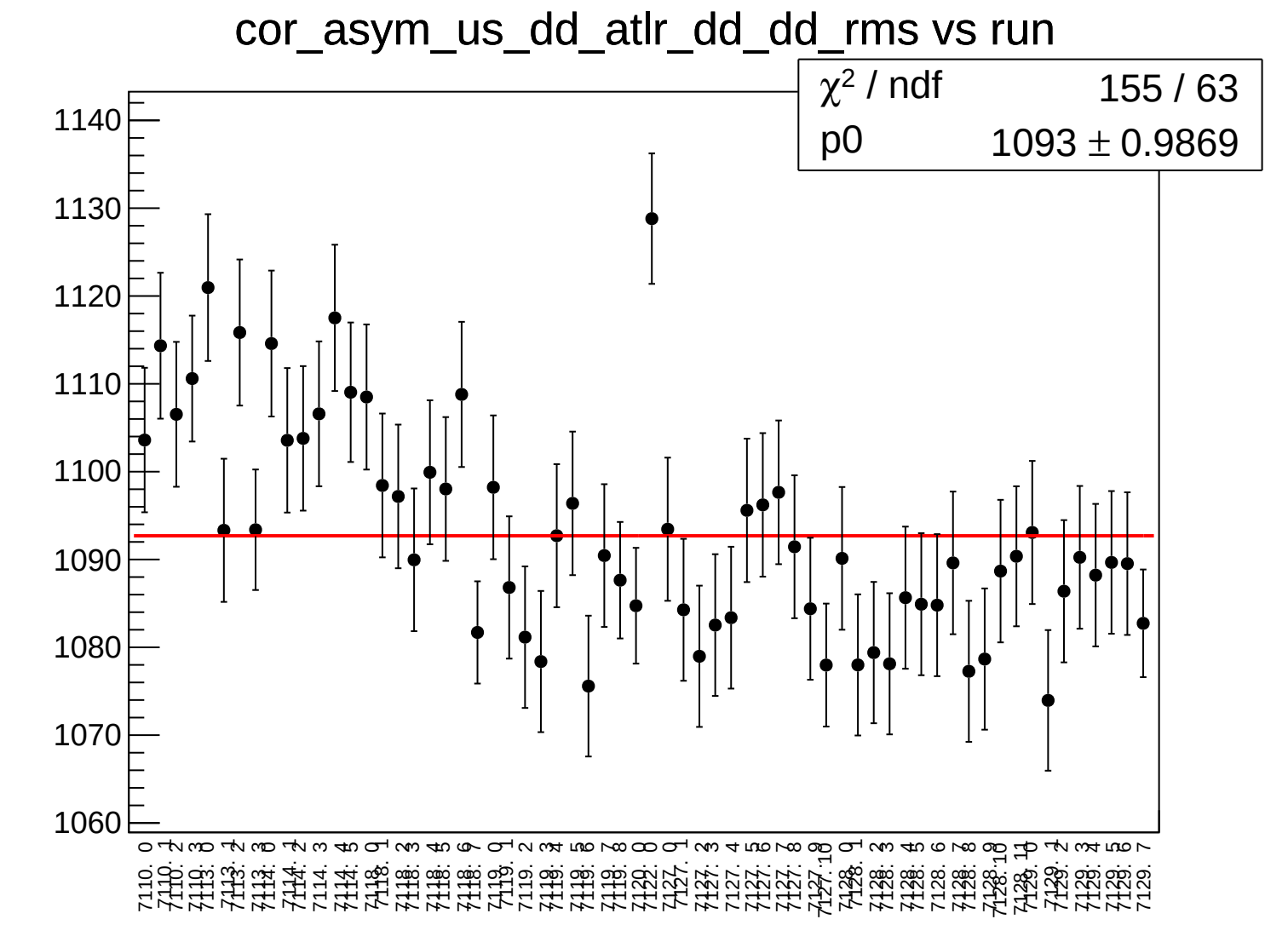

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 155 / 63
p0 1093 ± 0.9869
1140
1130
1120
1110
1100
1090
1080
1070
1060

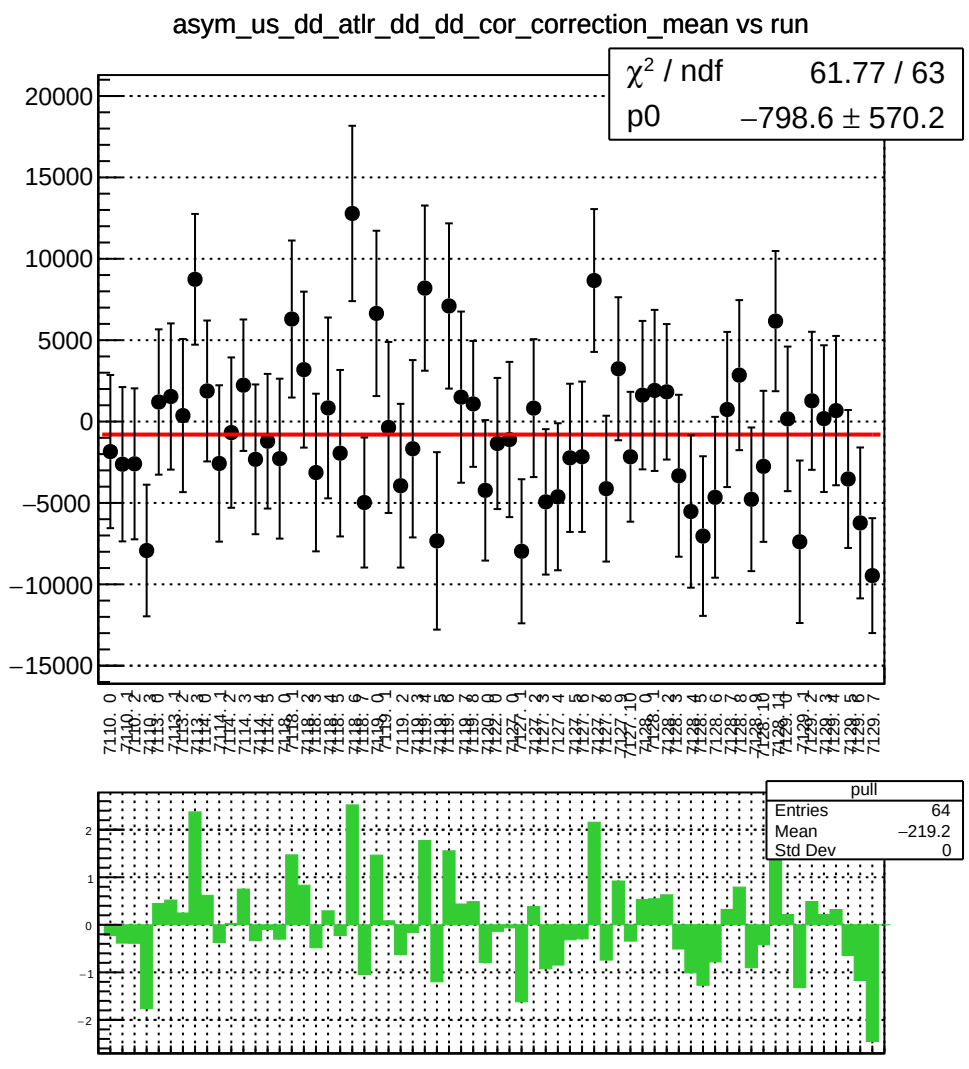

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 61.77 / 63
p0 −798.6 ± 570.2
pull
Entries 64
Mean −218.8
Std Dev 0

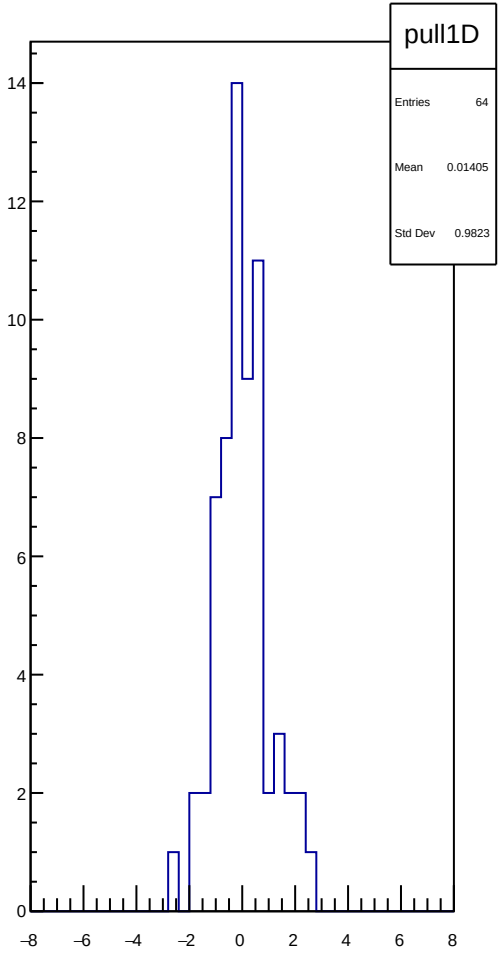

pull1D
Entries 64
Mean 0.01408
Std Dev 0.9823

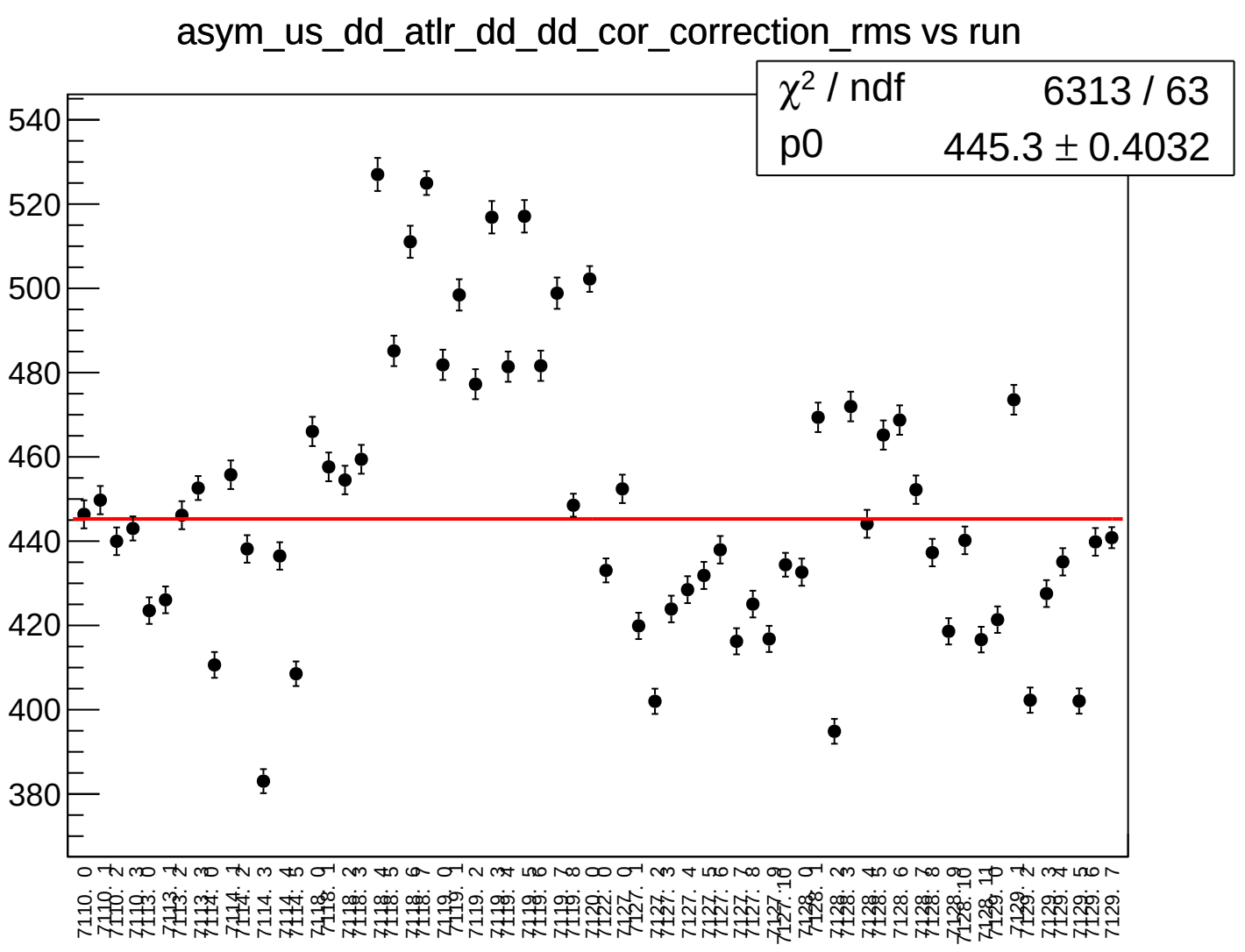

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 6312 / 63
p0 445.3 ± 0.4032
540
520
500
480
460
440
420
400
380

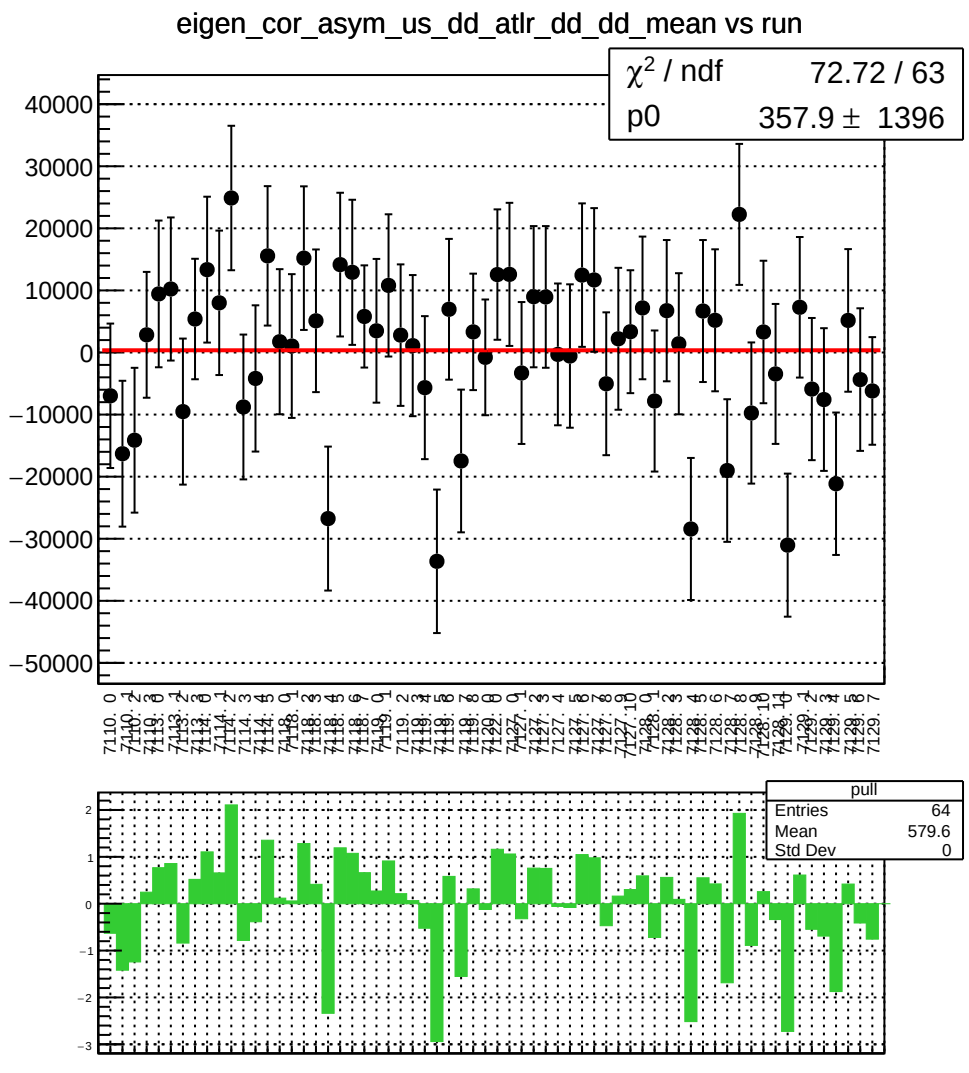

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.72 / 63
p0 357.9 ± 1396
pull
Entries 64
Mean 579.6
Std Dev 0
pull1D
Entries 64
Mean −0.006456
Std Dev 1.066

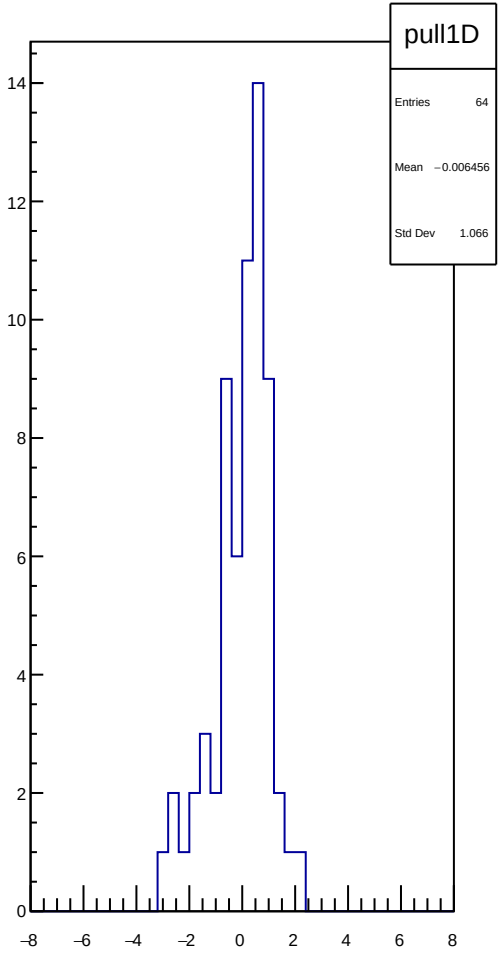

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 155 / 63
p0 1093 ± 0.9869
1140
1130
1120
1110
1100
1090
1080
1070
1060

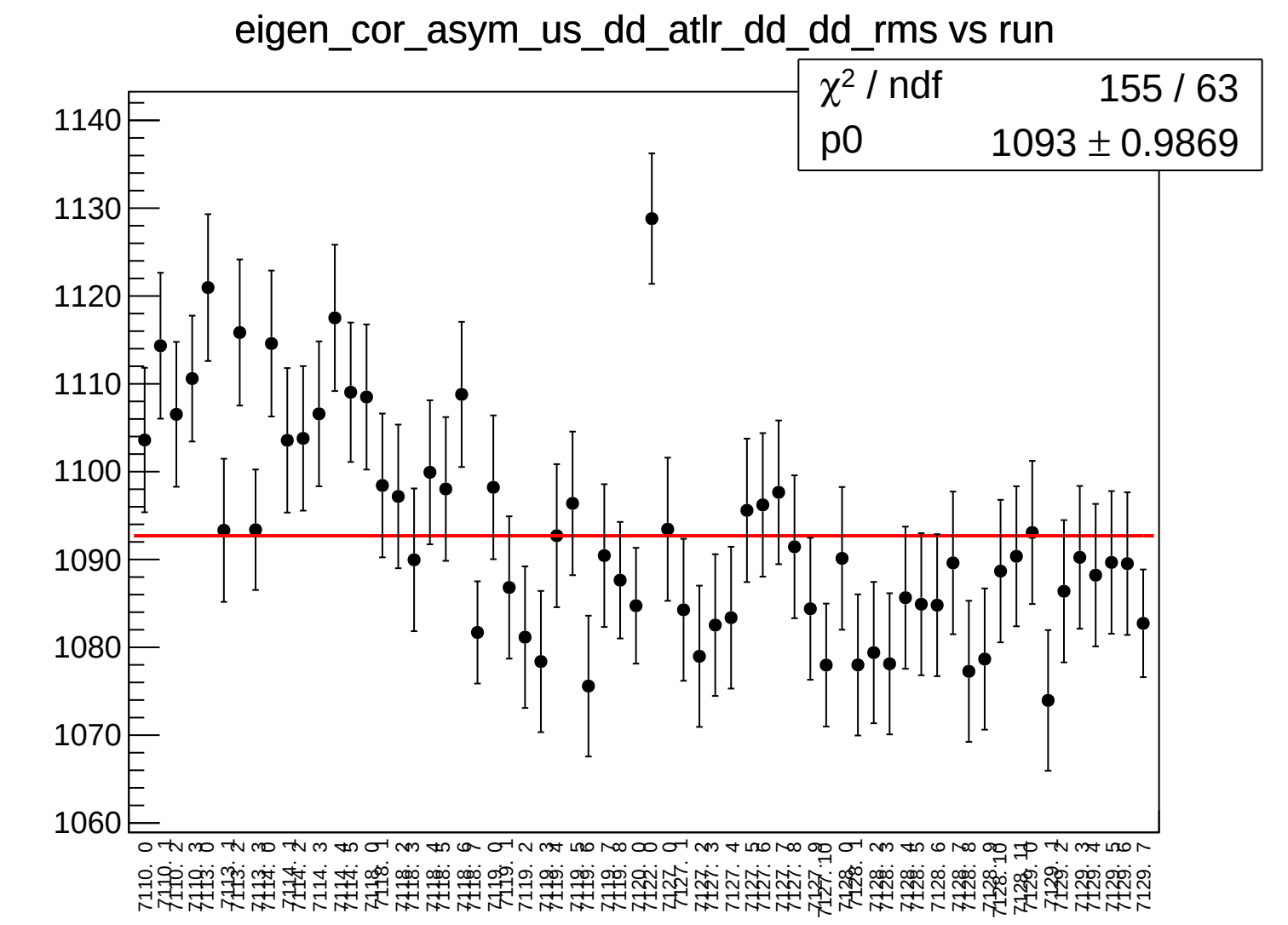

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 61.77 / 63
p0 −798.6 ± 570.2
pull
Entries 64
Mean −219.2
Std Dev 0

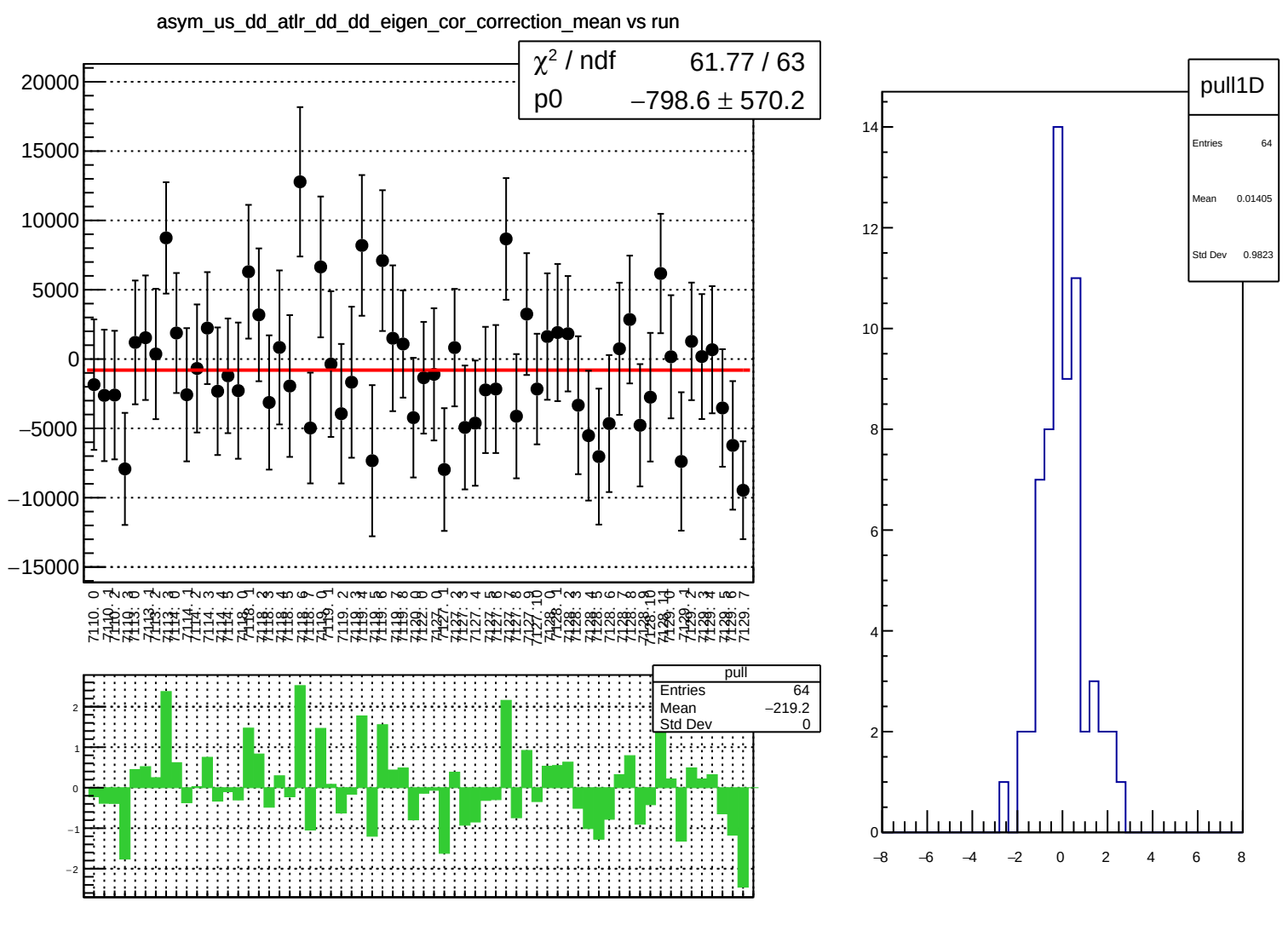

pull1D
Entries 64
Mean 0.01405
Std Dev 0.9823

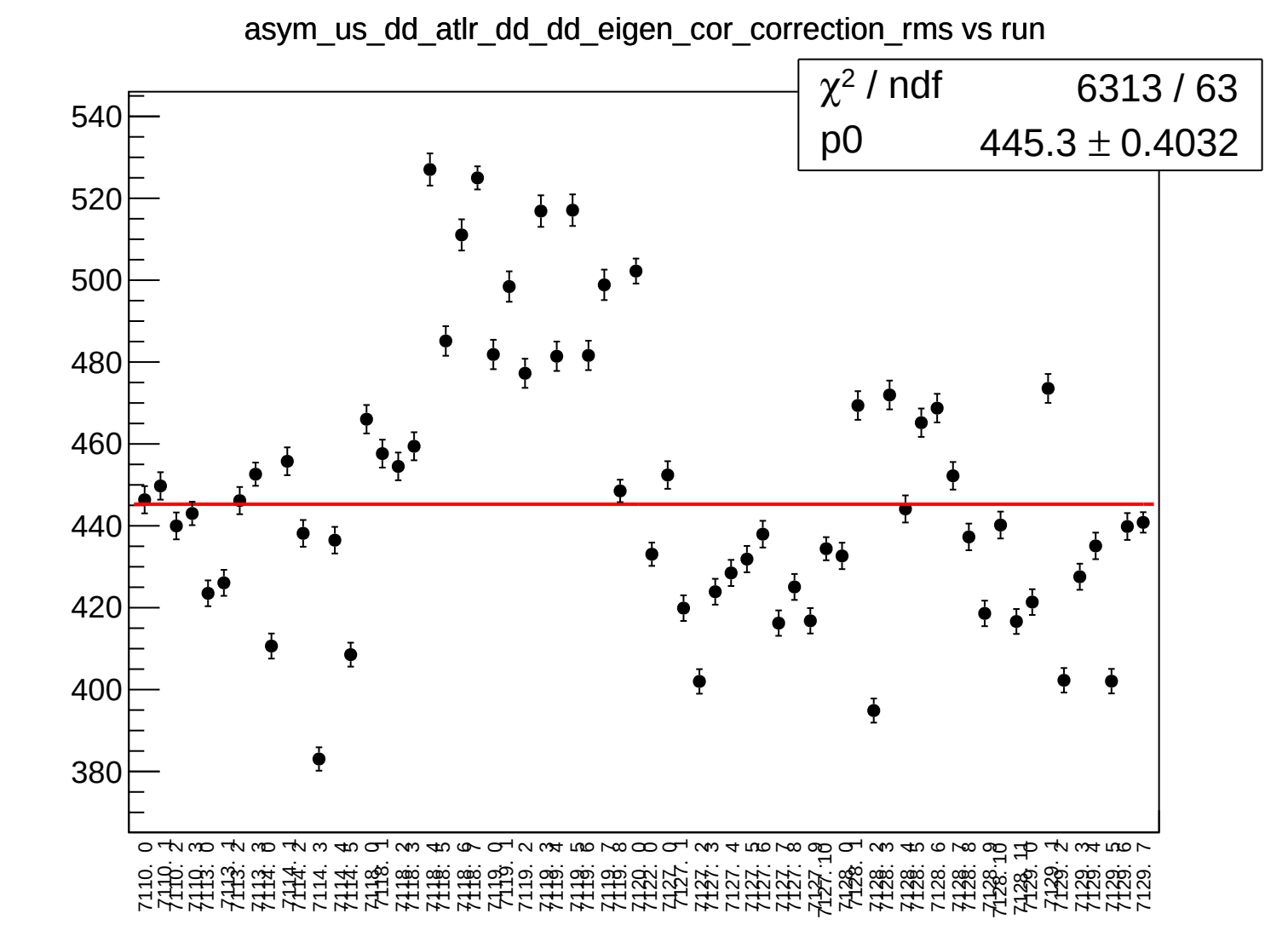

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 6313 / 63
p0 445.3 ± 0.4032
540
520
500
480
460
440
420
400
380

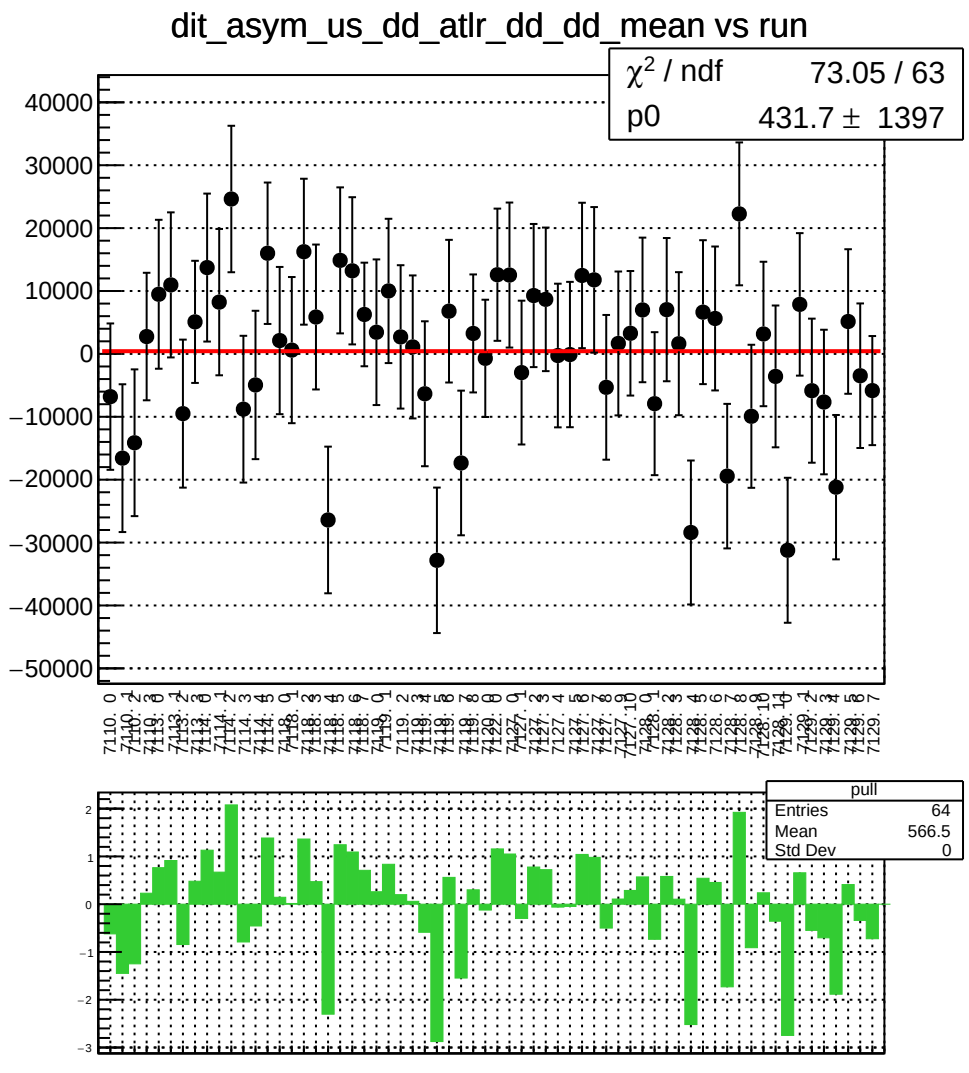

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.72 / 63
p0 357.9 ± 1396
pull
Entries 64
Mean 579.6
Std Dev 0

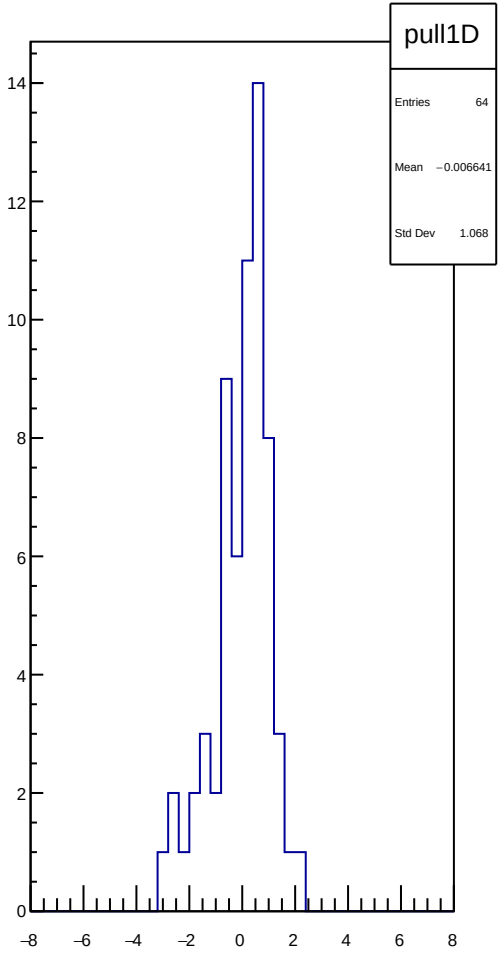

pull1D
Entries 64
Mean −0.006456
Std Dev 1.066

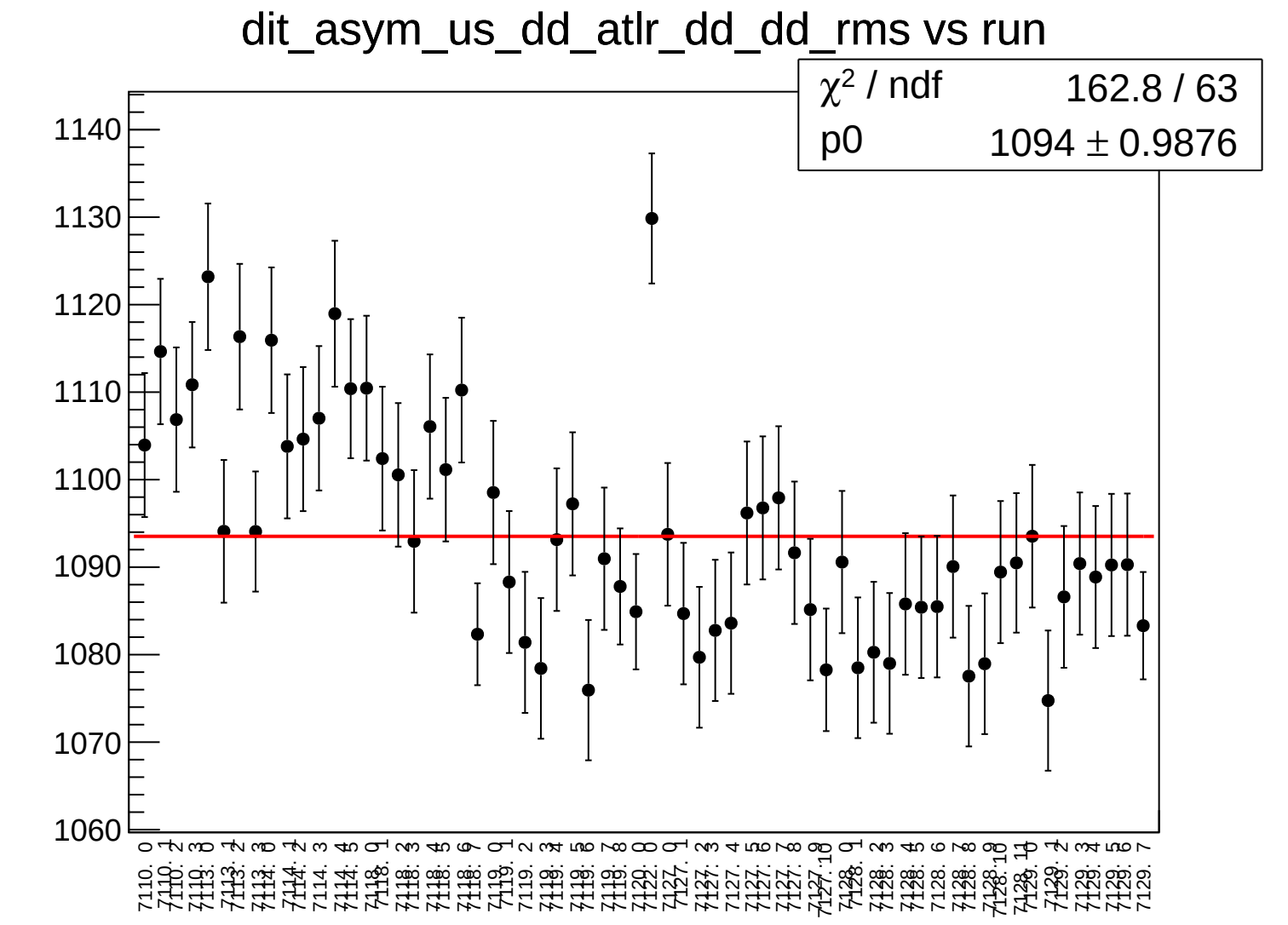

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 155 / 63
p0 1093 ± 0.9869
1140
1130
1120
1110
1100
1090
1080
1070
1060

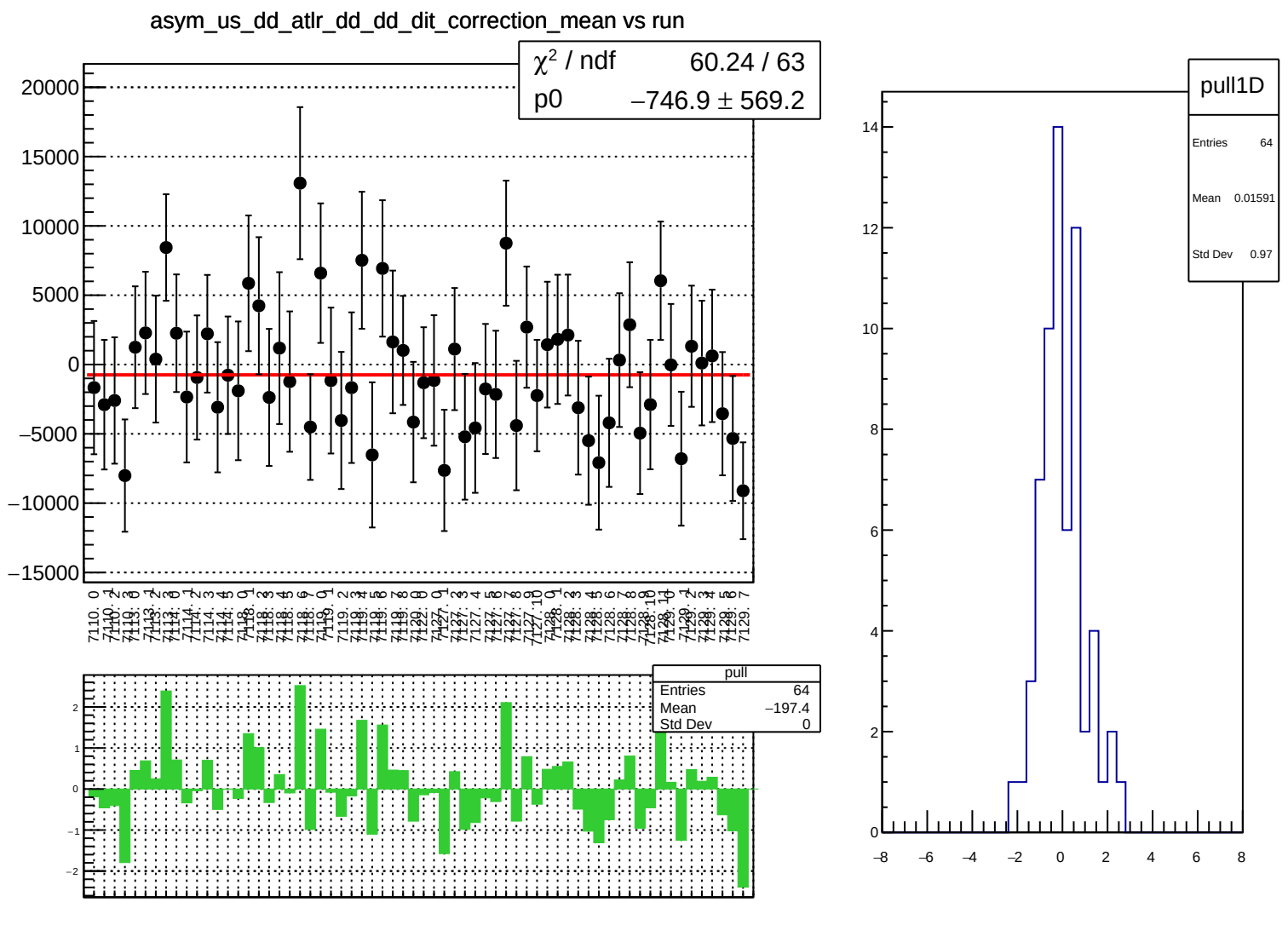

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.77 / 63
p0 −798.6 ± 570.2
pull
Entries 64
Mean −219.2
Std Dev 0
pull1D
Entries 64
Mean 0.01405
Std Dev 0.9823

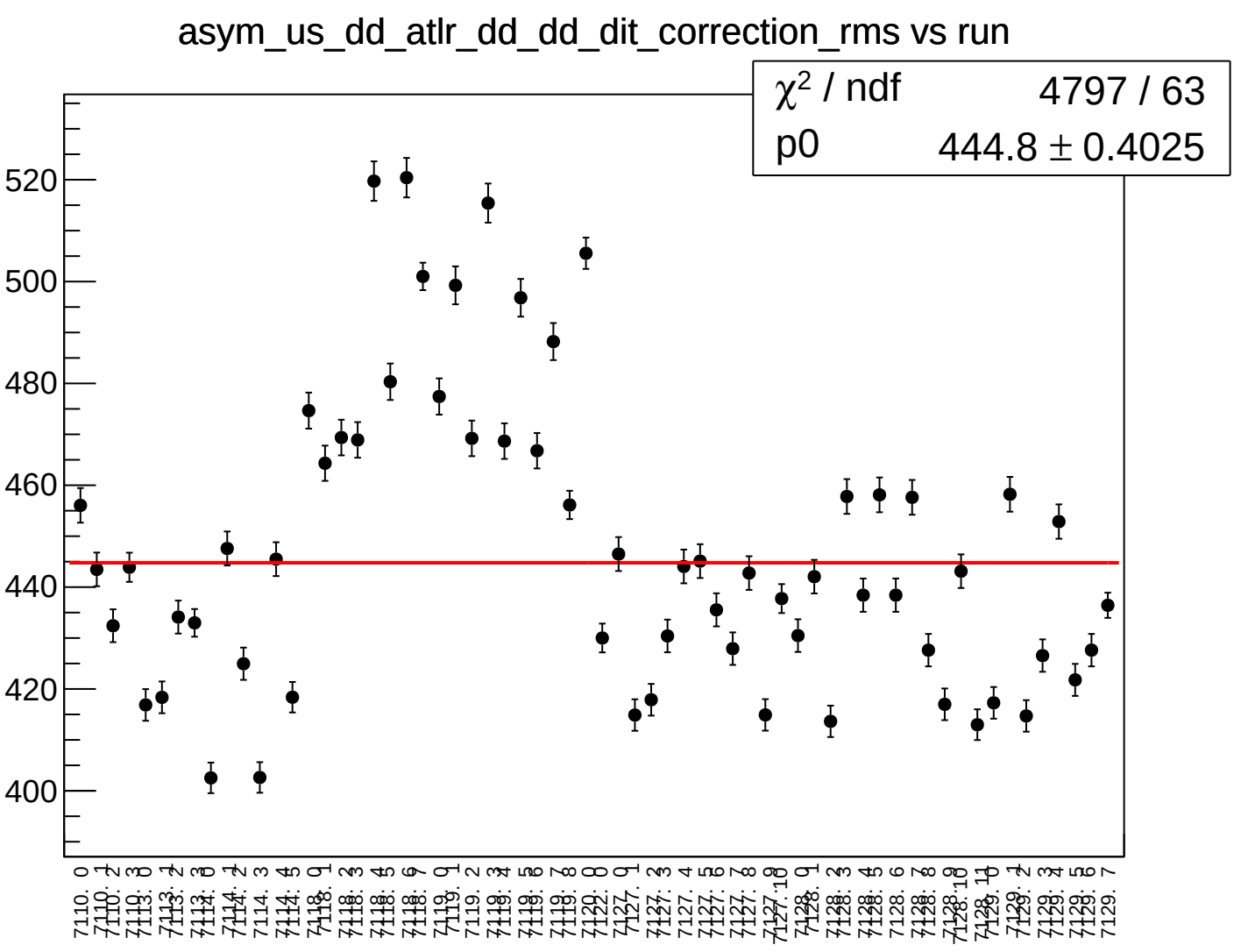

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 6313 / 63
p0 445.3 ± 0.4032
540
520
500
480
460
440
420
400
380

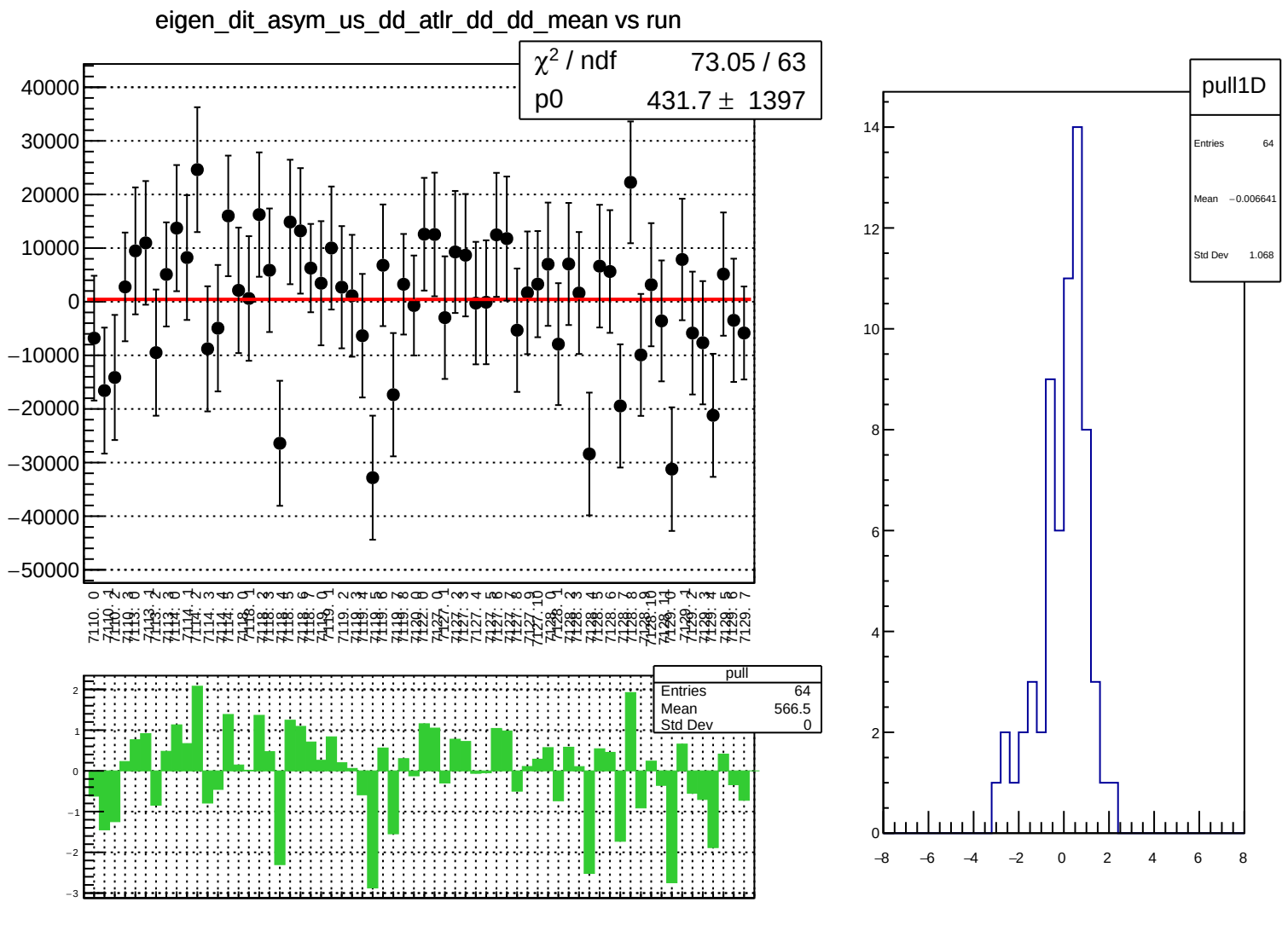

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 73.05 / 63
p0 431.7 ± 1397
pull
Entries 64
Mean 566.5
Std Dev 0

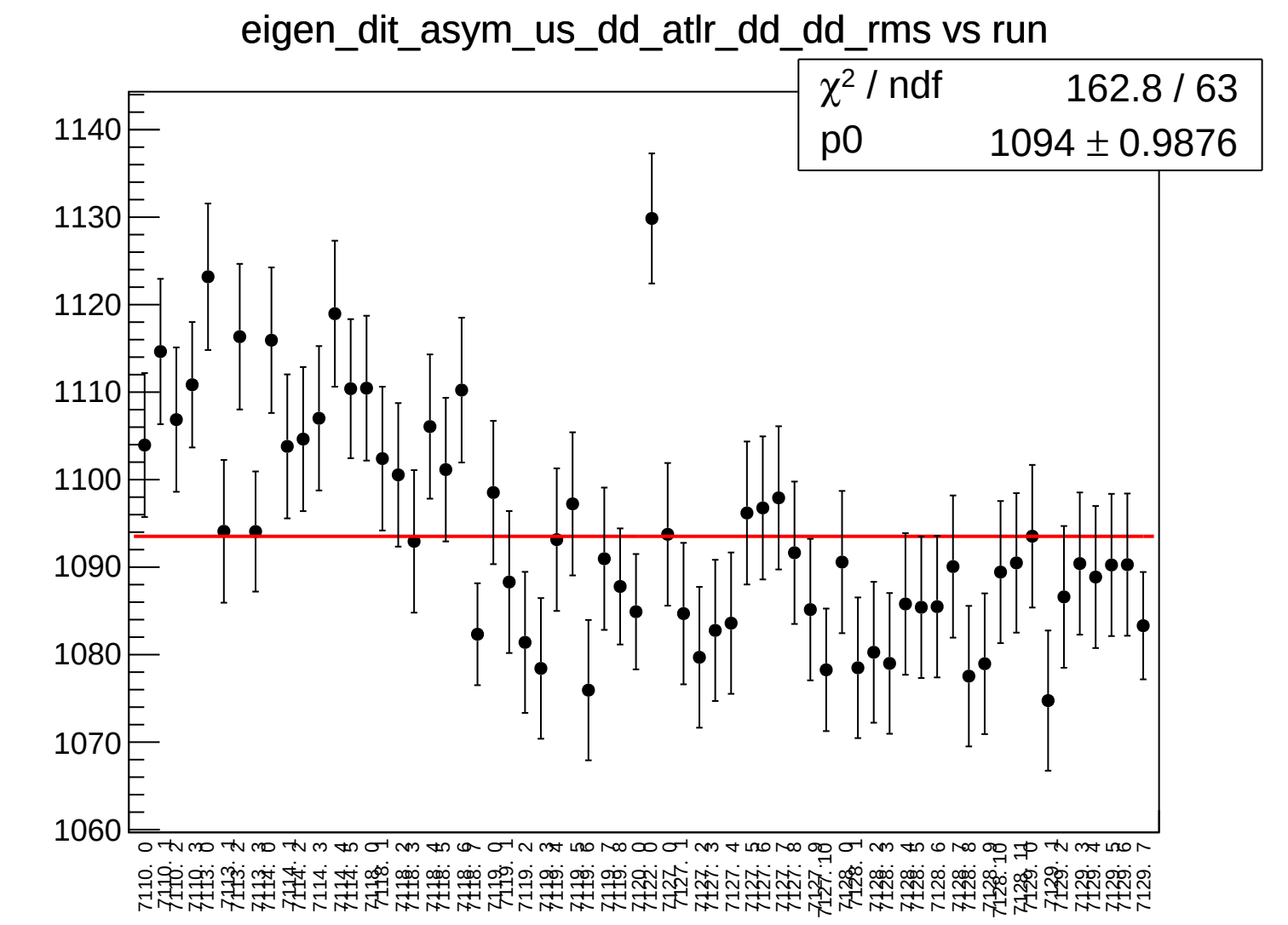

pull1D
Entries 64
Mean −0.006641
Std Dev 1.068

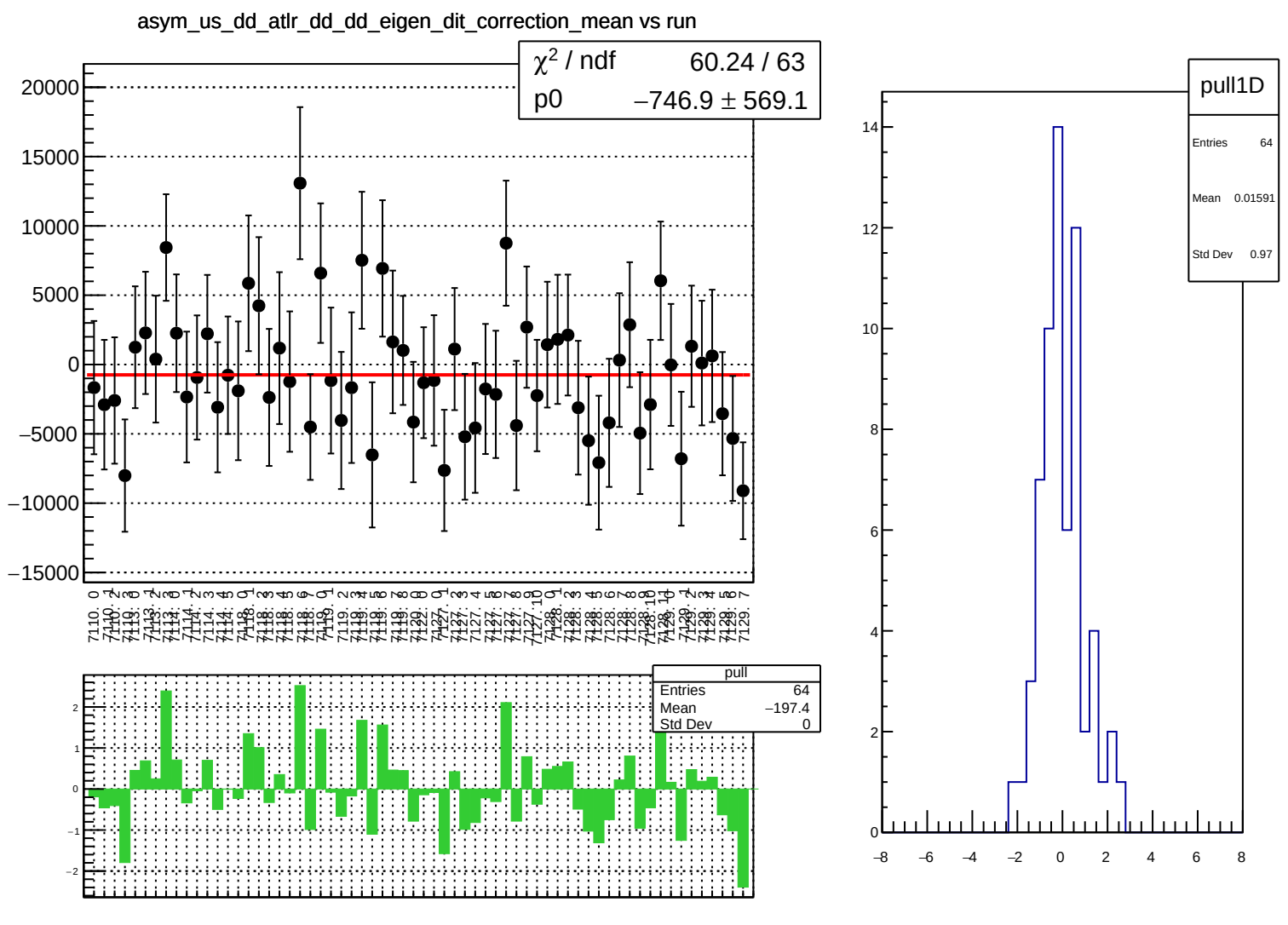

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 162.8 / 63
p0 1094 ± 0.9876
1140
1130
1120
1110
1100
1090
1080
1070
1060

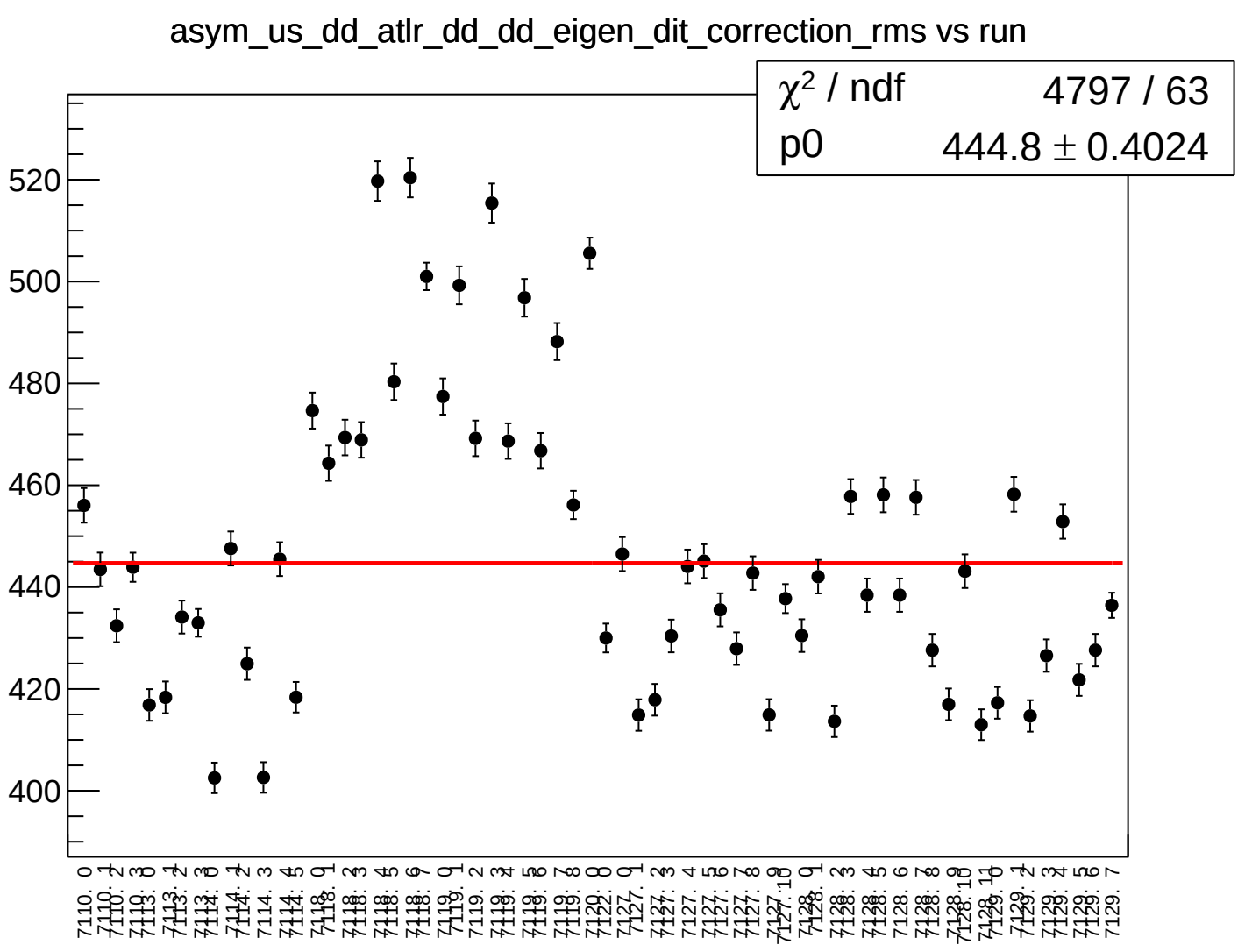

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 60.24 / 63
p0 −746.9 ± 569.2
pull
Entries 64
Mean −197.4
Std Dev 0
pull1D
Entries 64
Mean 0.01591
Std Dev 0.97

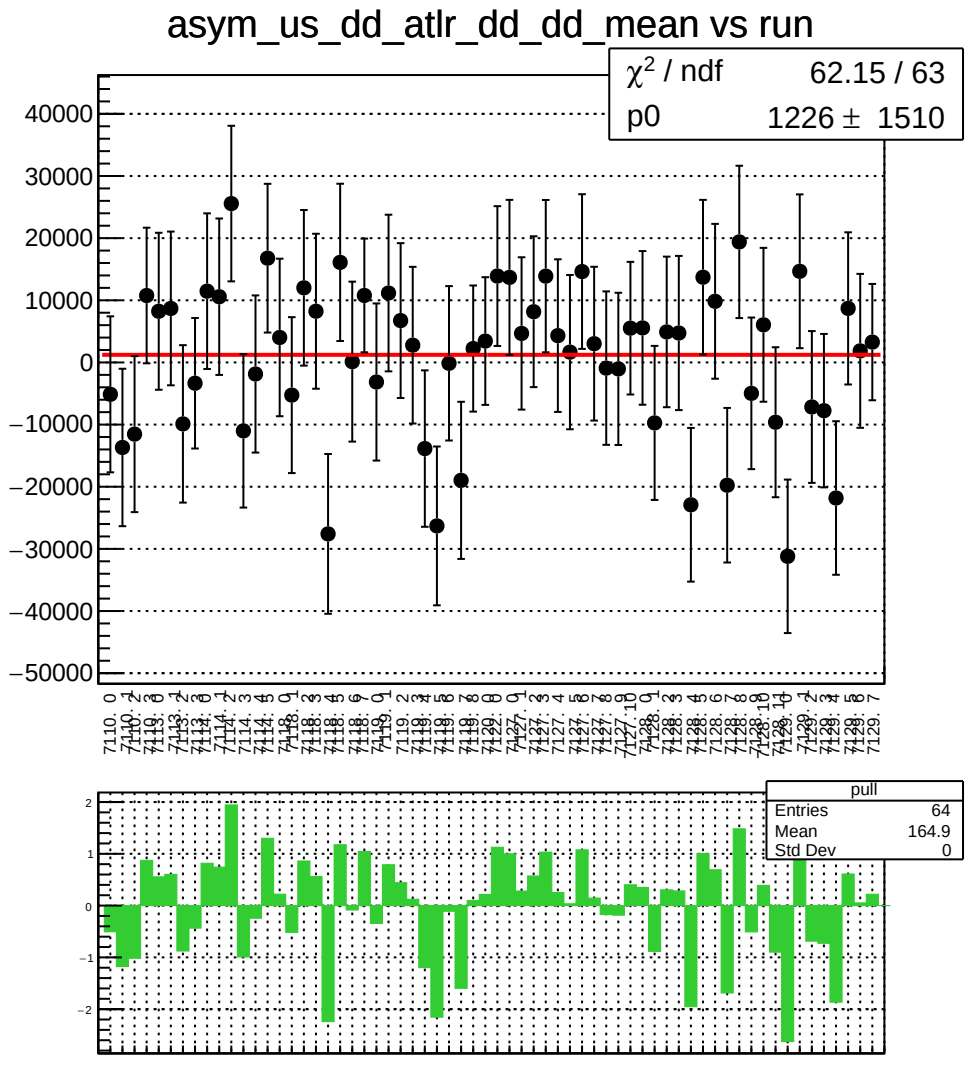

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 4797 / 63
p0 444.8 ± 0.4025
520
500
480
460
440
420
400

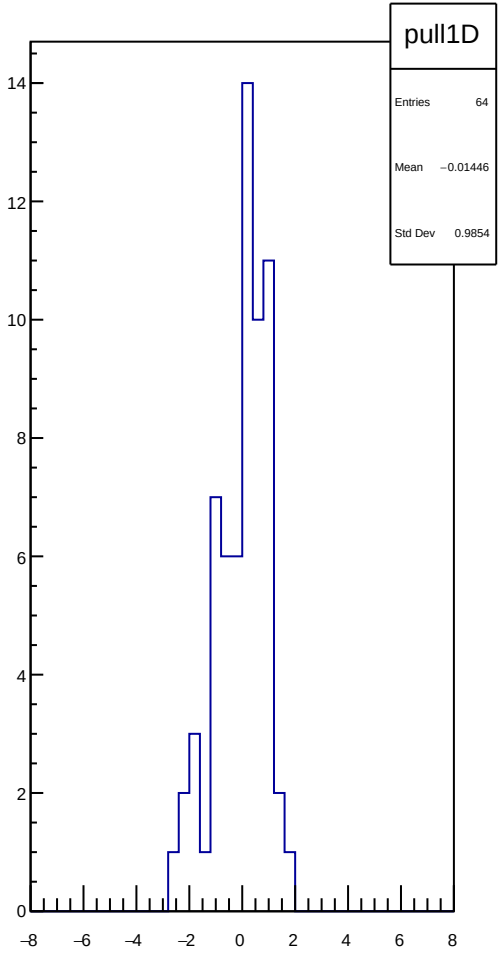

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ^2 / ndf 73.05 / 63
p0 431.7 ± 1397
pull
Entries 64
Mean 566.5
Std Dev 0
pull1D
Entries 64
Mean −0.006641
Std Dev 1.068

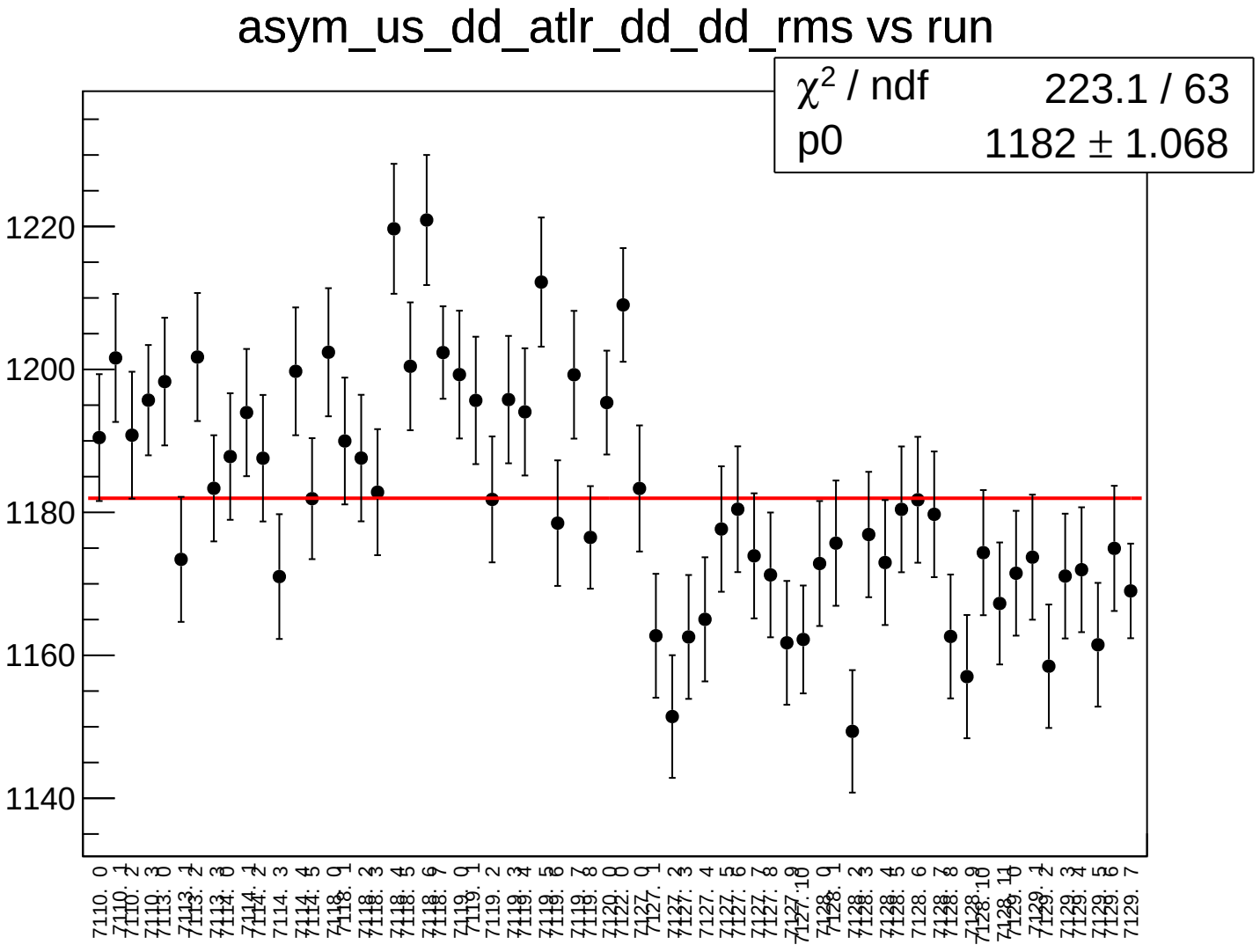

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 162.8 / 63
p0 1094 ± 0.9876
1140
1130
1120
1110
1100
1090
1080
1070
1060

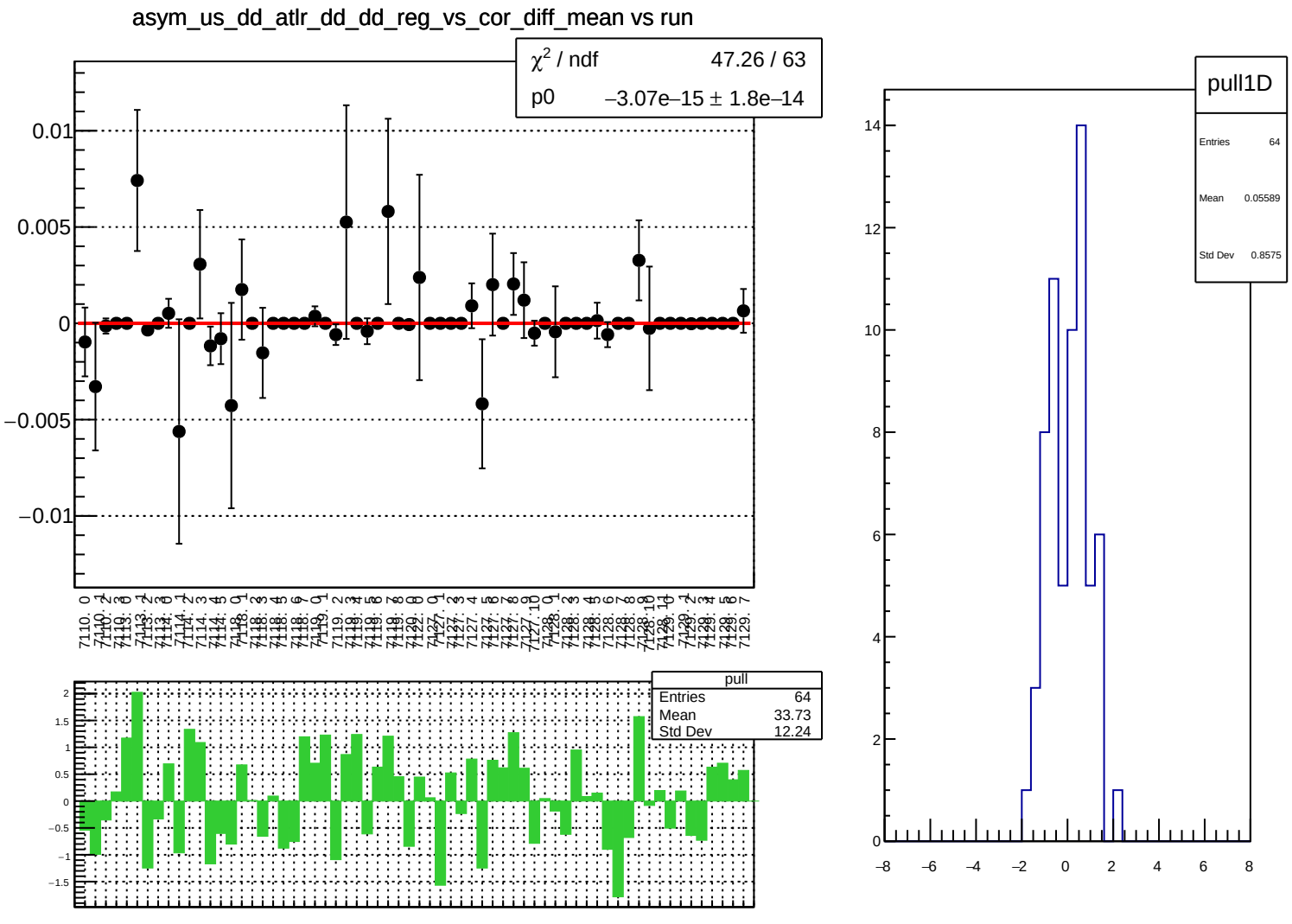

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.24 / 63
p0 −746.9 ± 569.1
pull
Entries 64
Mean −197.4
Std Dev 0
pull1D
Entries 64
Mean 0.01591
Std Dev 0.97

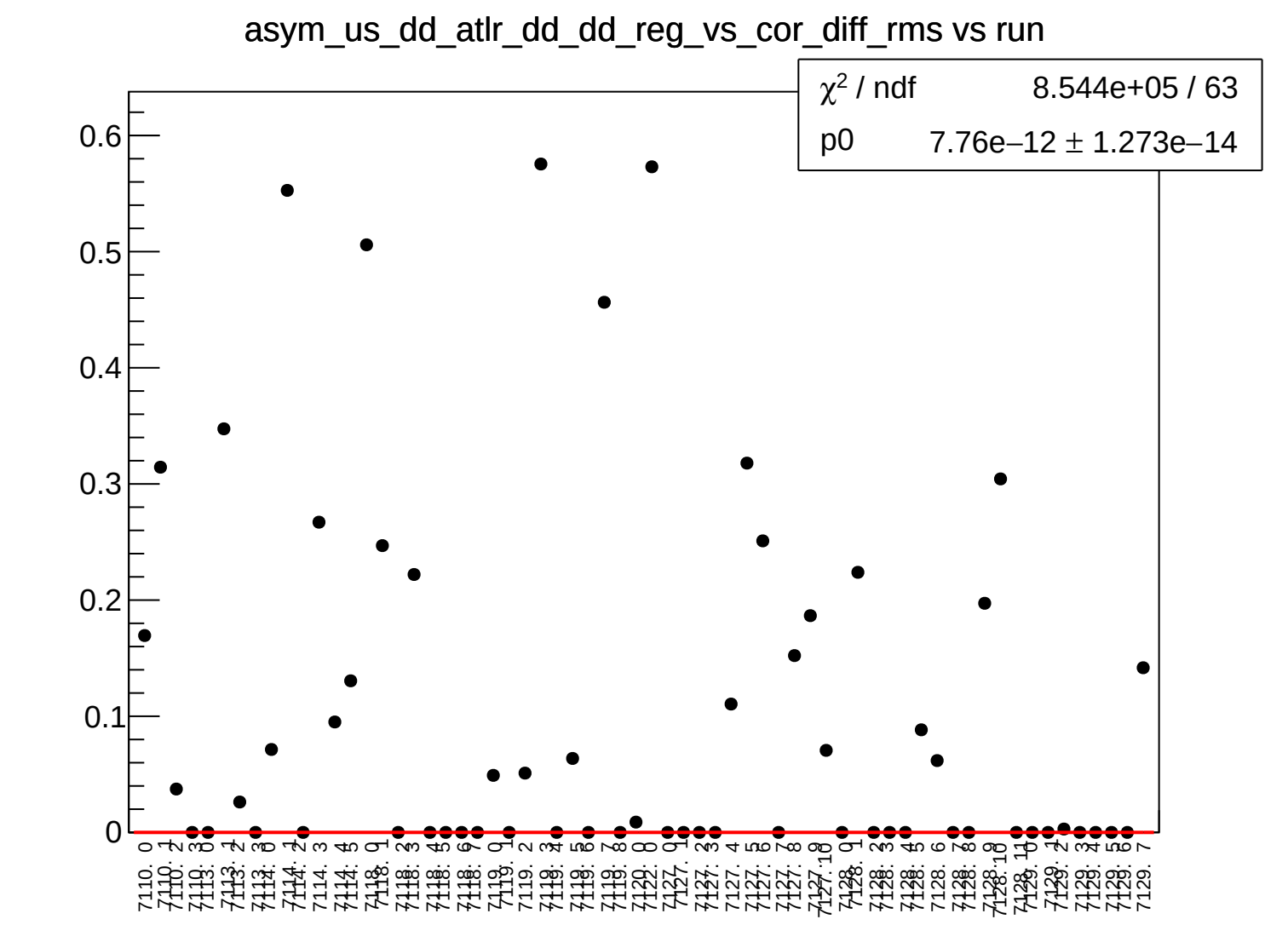

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4797 / 63
p0 444.8 ± 0.4024
520
500
480
460
440
420
400

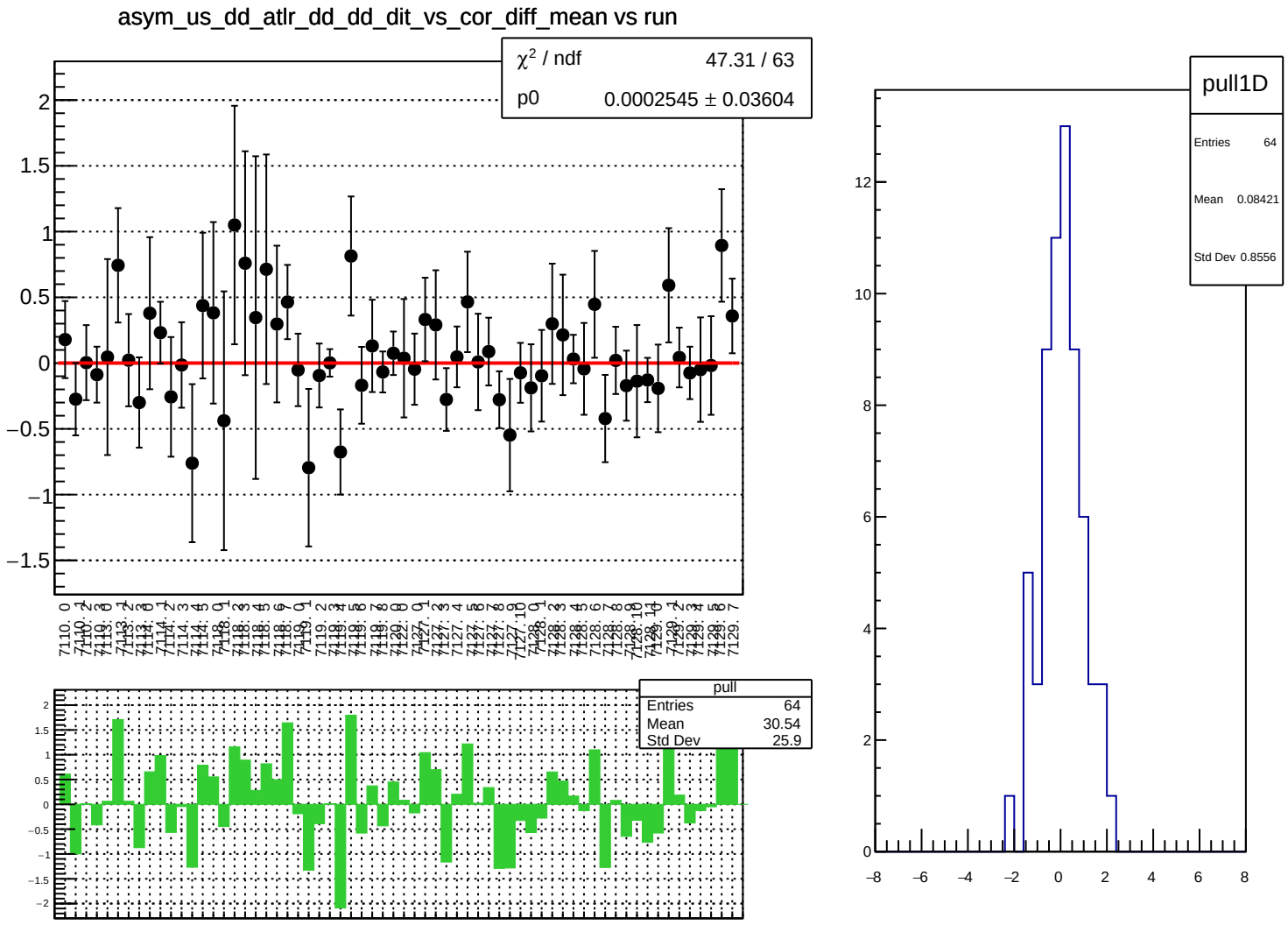

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 62.15 / 63
p0 1226 ± 1510
pull
Entries 64
Mean 164.9
Std Dev 0

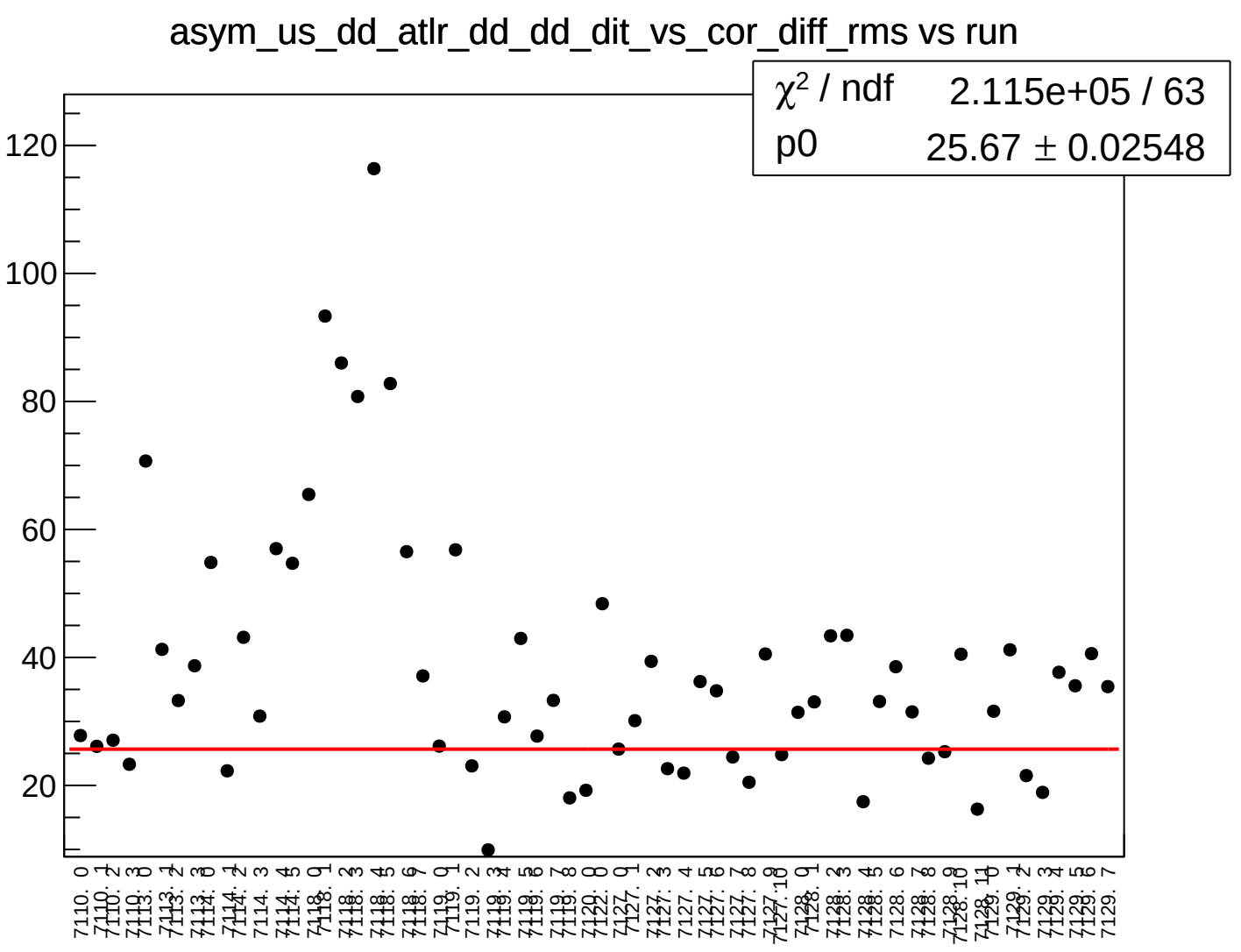

pull1D
Entries 64
Mean −0.01446
Std Dev 0.9854

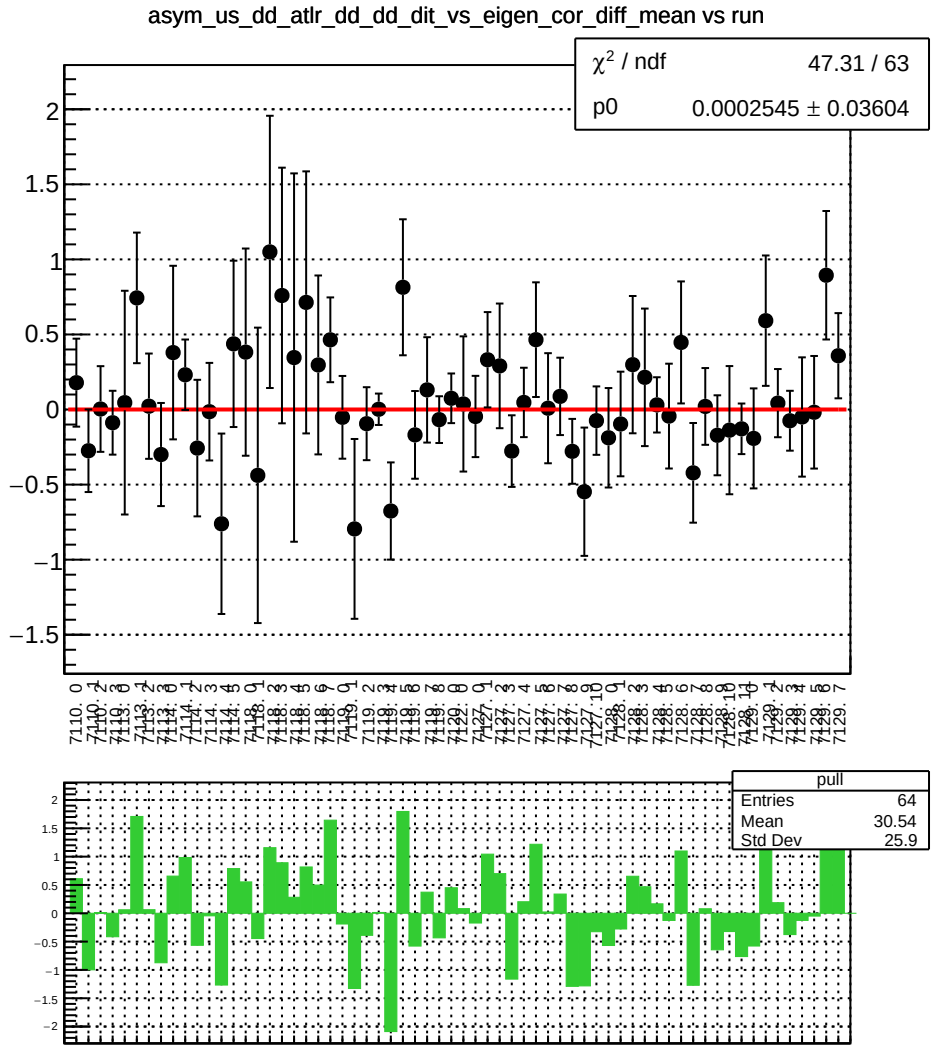

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 223.1 / 63
p0 1182 ± 1.068
1220
1200
1180
1160
1140

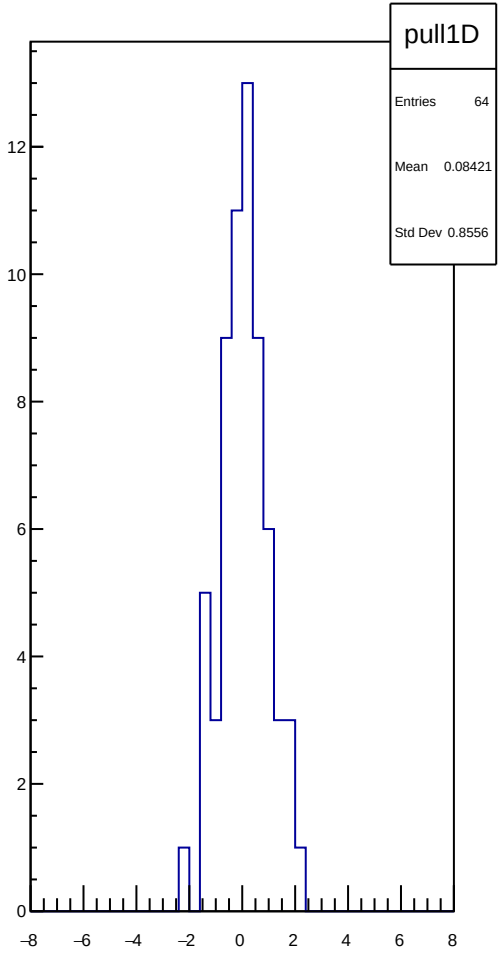

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.26 / 63
p0 −3.07e−15 ± 1.8e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 64
Mean 33.73
Std Dev 12.24
pull1D
Entries 64
Mean 0.05589
Std Dev 0.8575

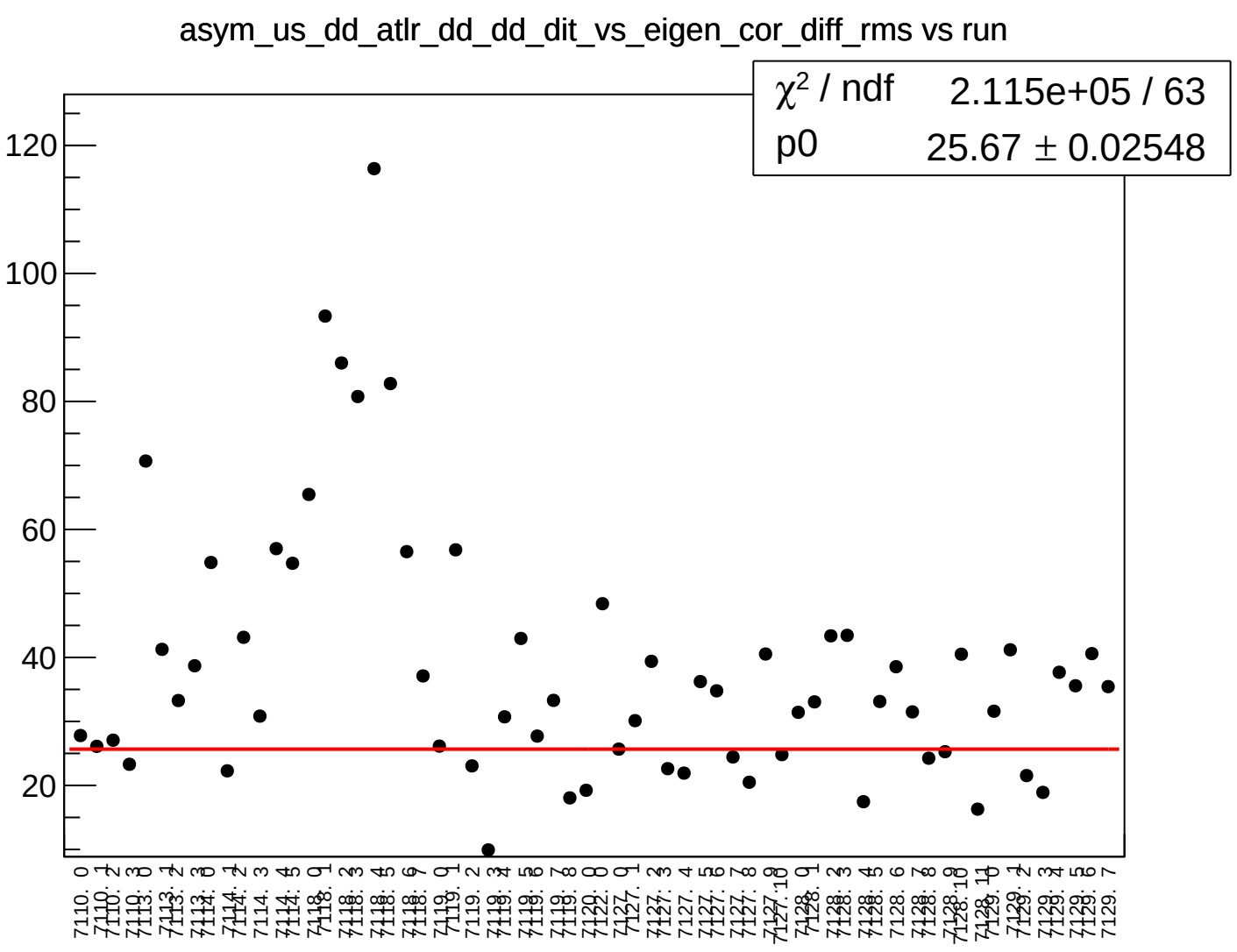

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.544e+05 / 63
p0 7.76e−12 ± 1.273e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

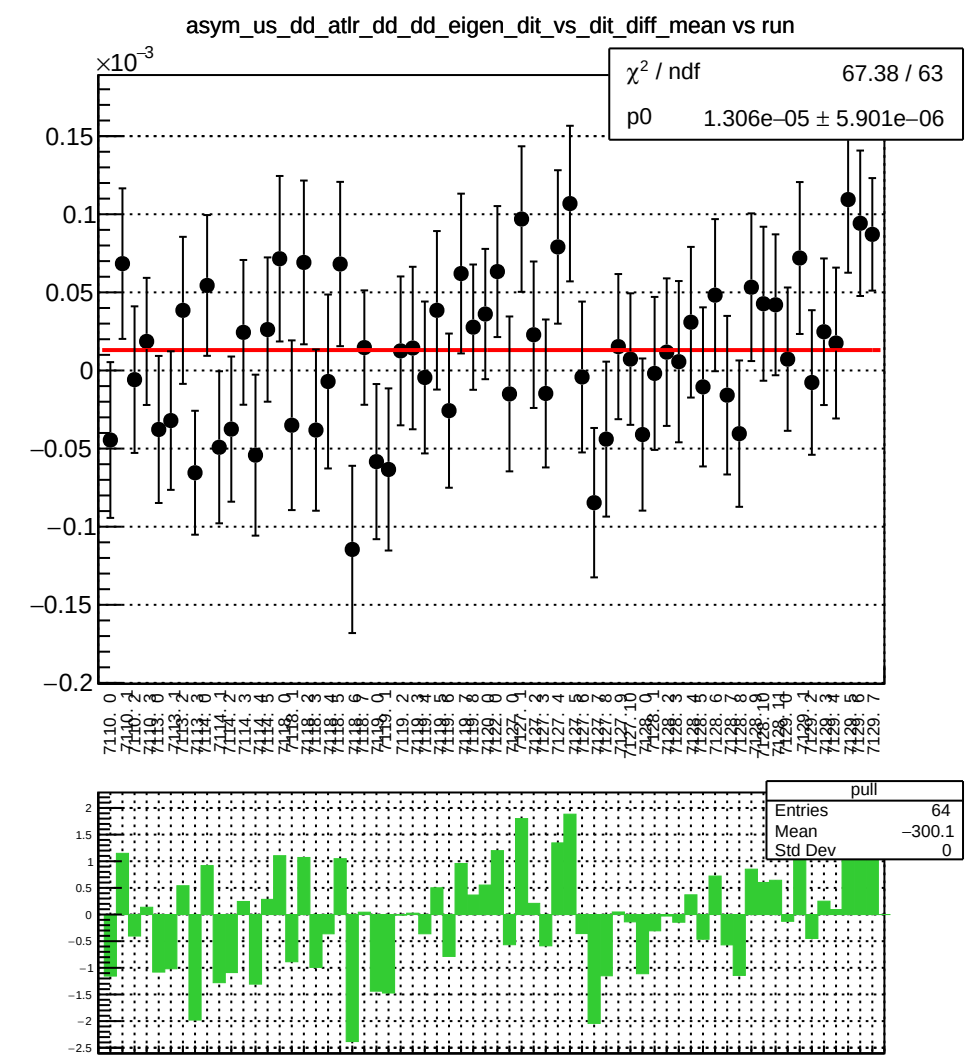

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.31 / 63
p0 0.0002545 ± 0.03604
pull
Entries 64
Mean 30.54
Std Dev 25.9
pull1D
Entries 64
Mean 0.08421
Std Dev 0.8556

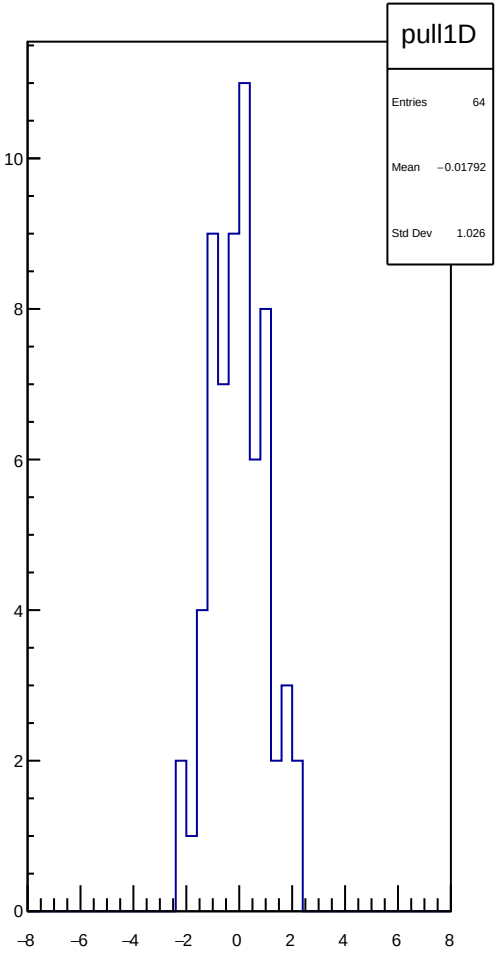

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.115e+05 / 63
p0 25.67 ± 0.02548
120
100
80
60
40
20

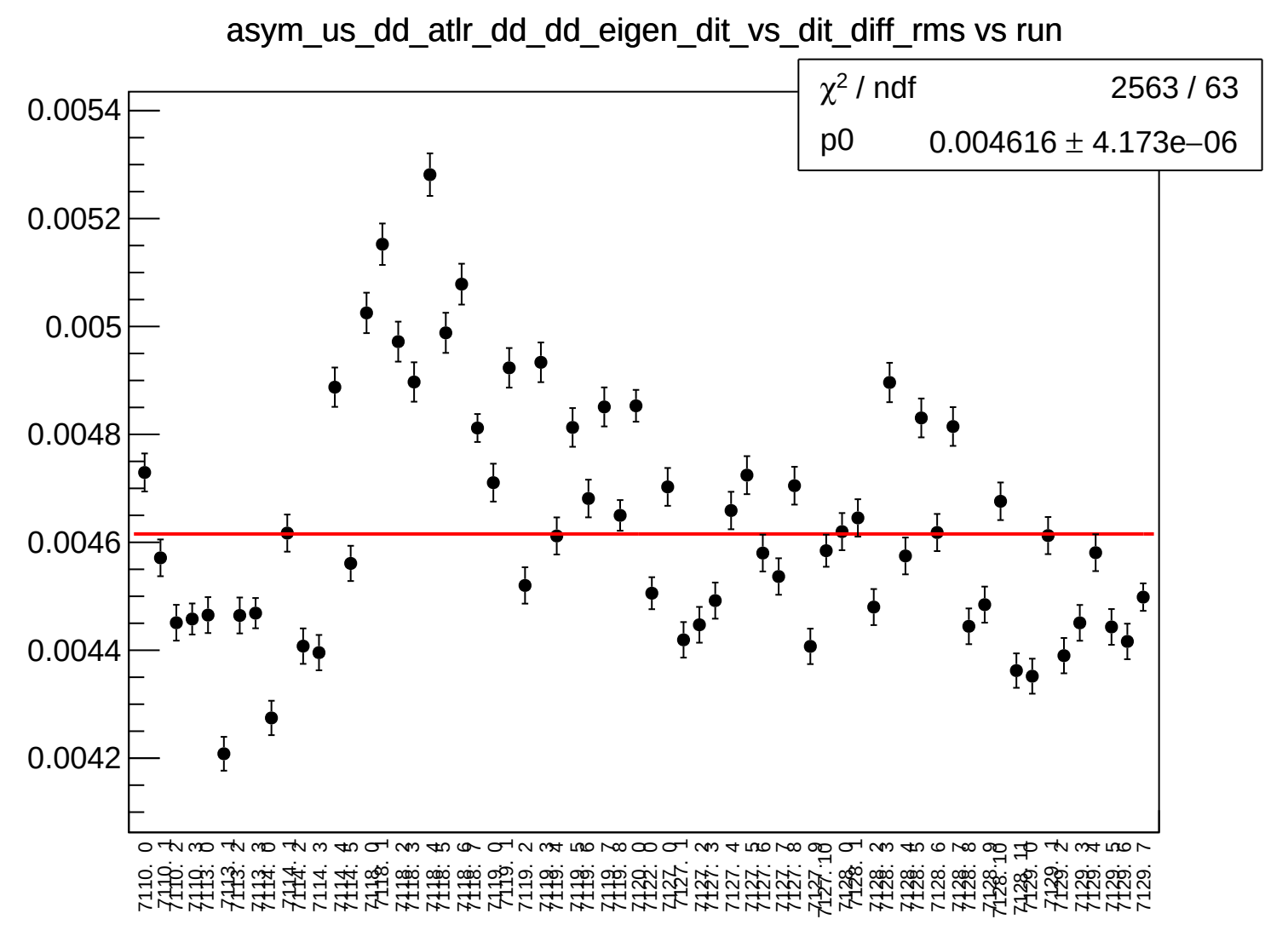

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.31 / 63
p0 0.0002545 ± 0.03604
pull
Entries 64
Mean 30.54
Std Dev 25.9

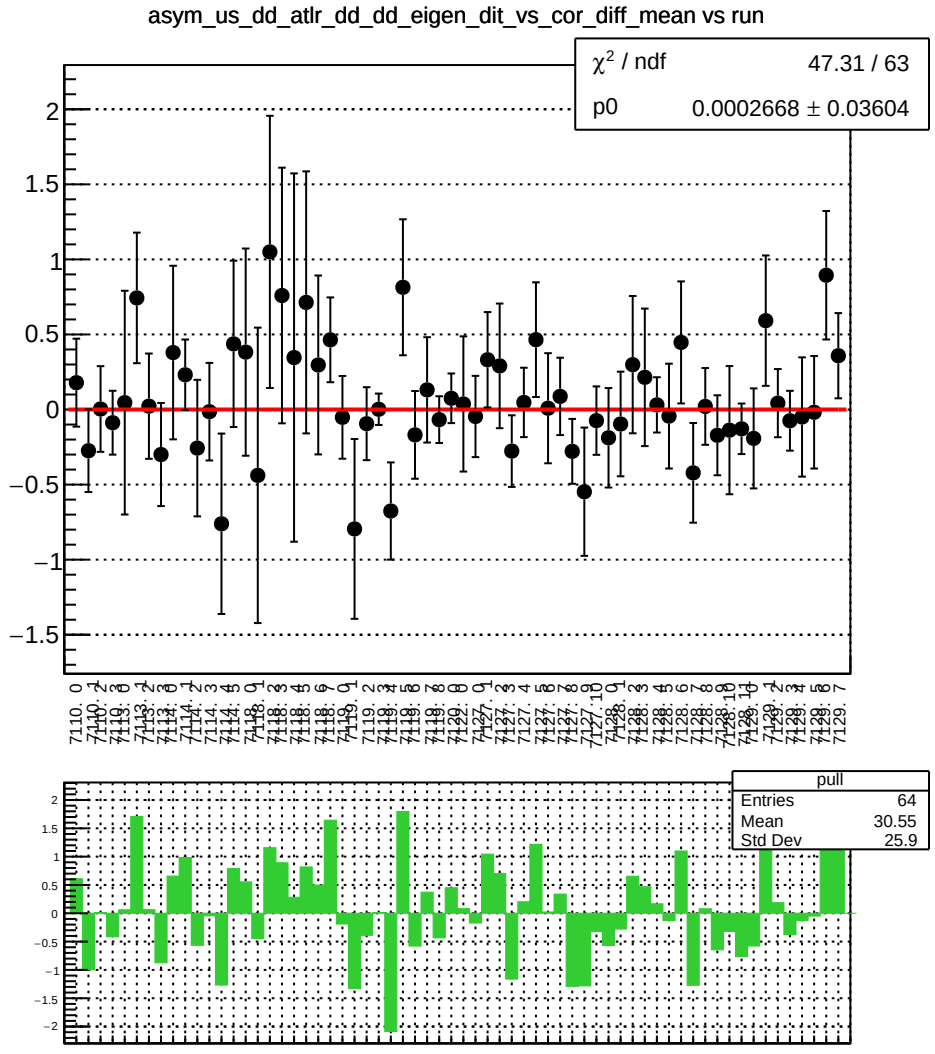

pull1D
Entries 64
Mean 0.08421
Std Dev 0.8556

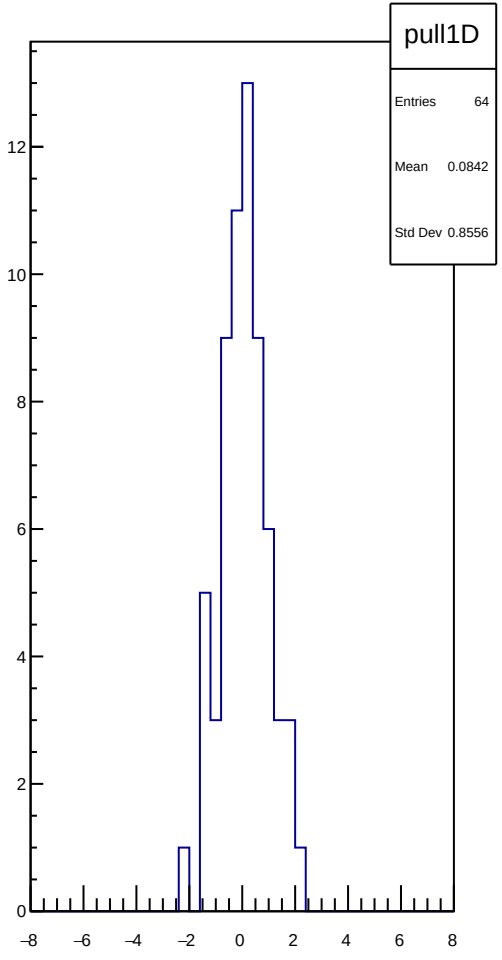

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.115e+05 / 63
p0 25.67 ± 0.02548
120
100
80
60
40
20

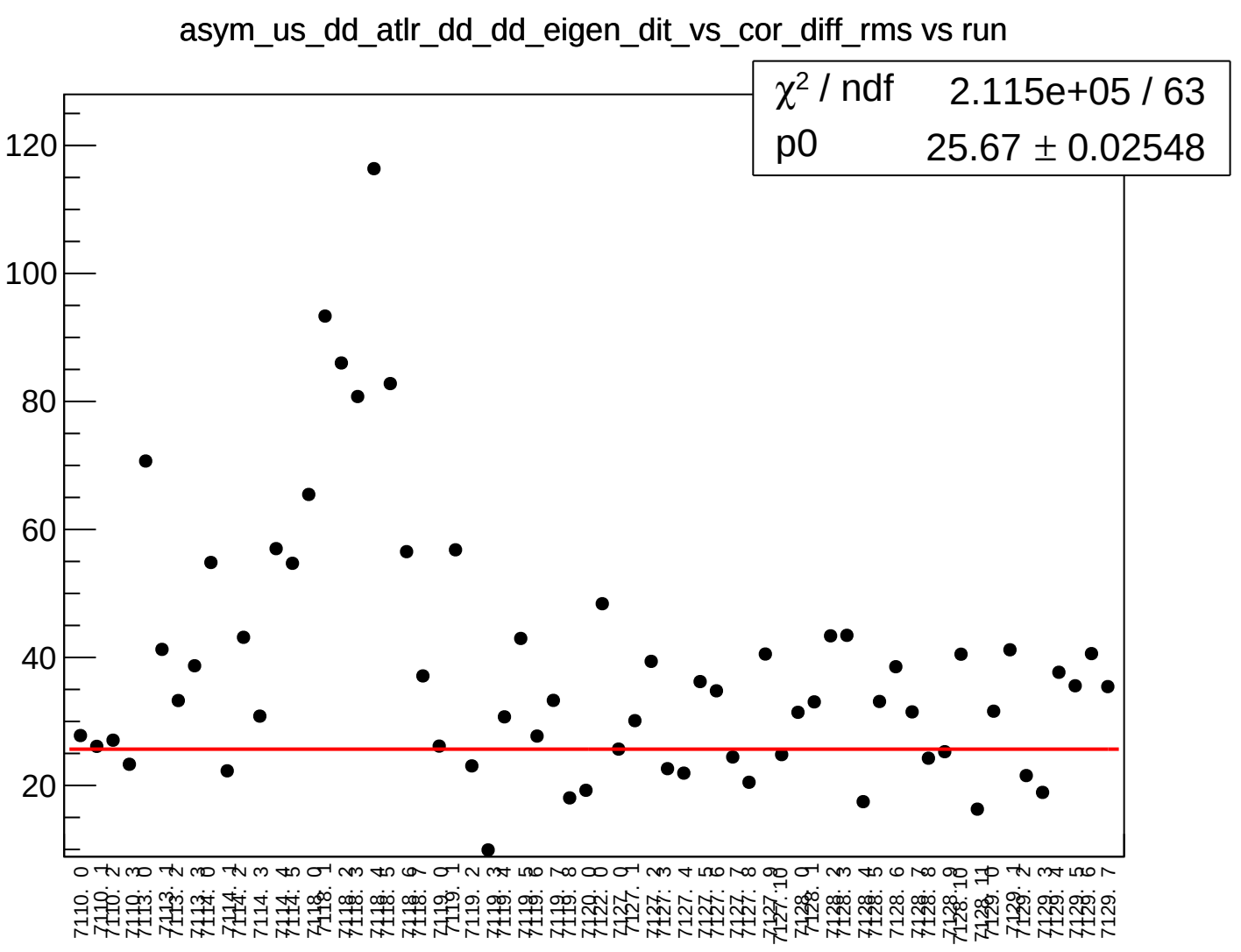

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.38 / 63
p0 1.306e−05 ± 5.901e−06
pull
Entries 64
Mean −300.1
Std Dev 0

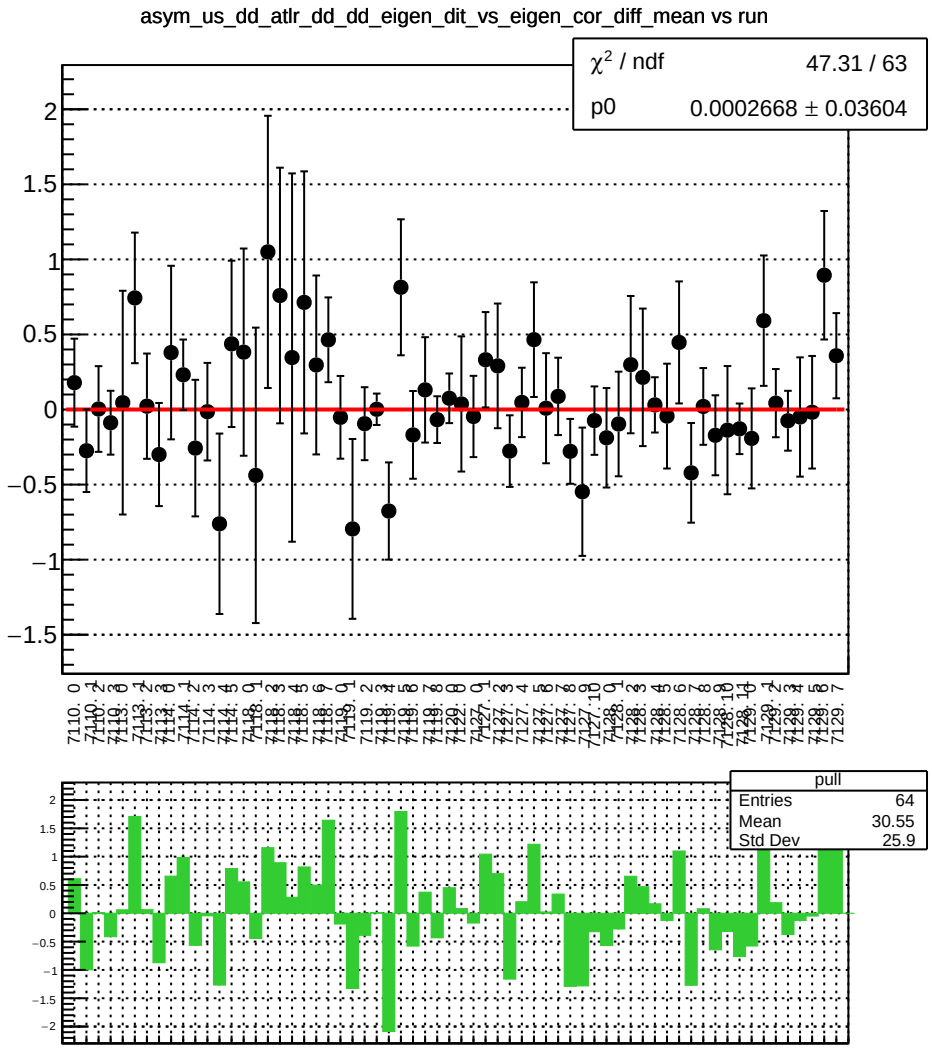

pull1D
Entries 64
Mean −0.01792
Std Dev 1.026

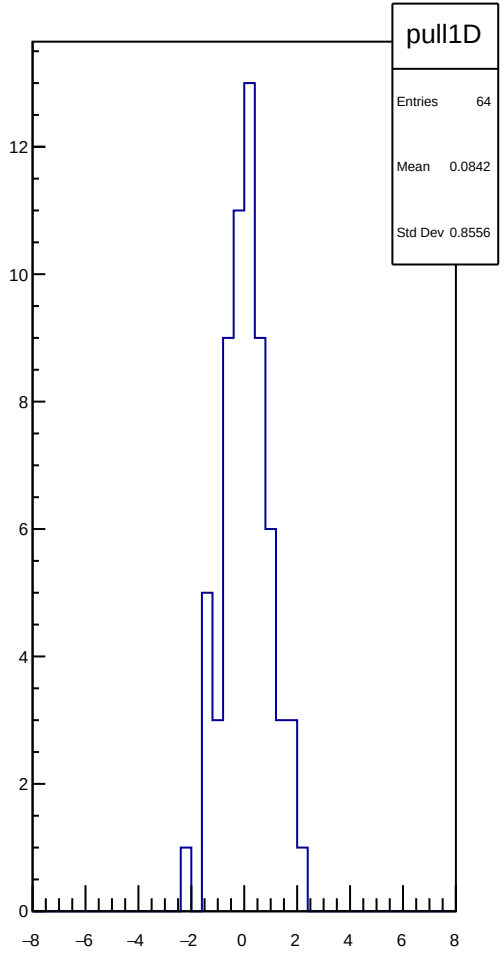

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2563 / 63
p0 0.004616 ± 4.173e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

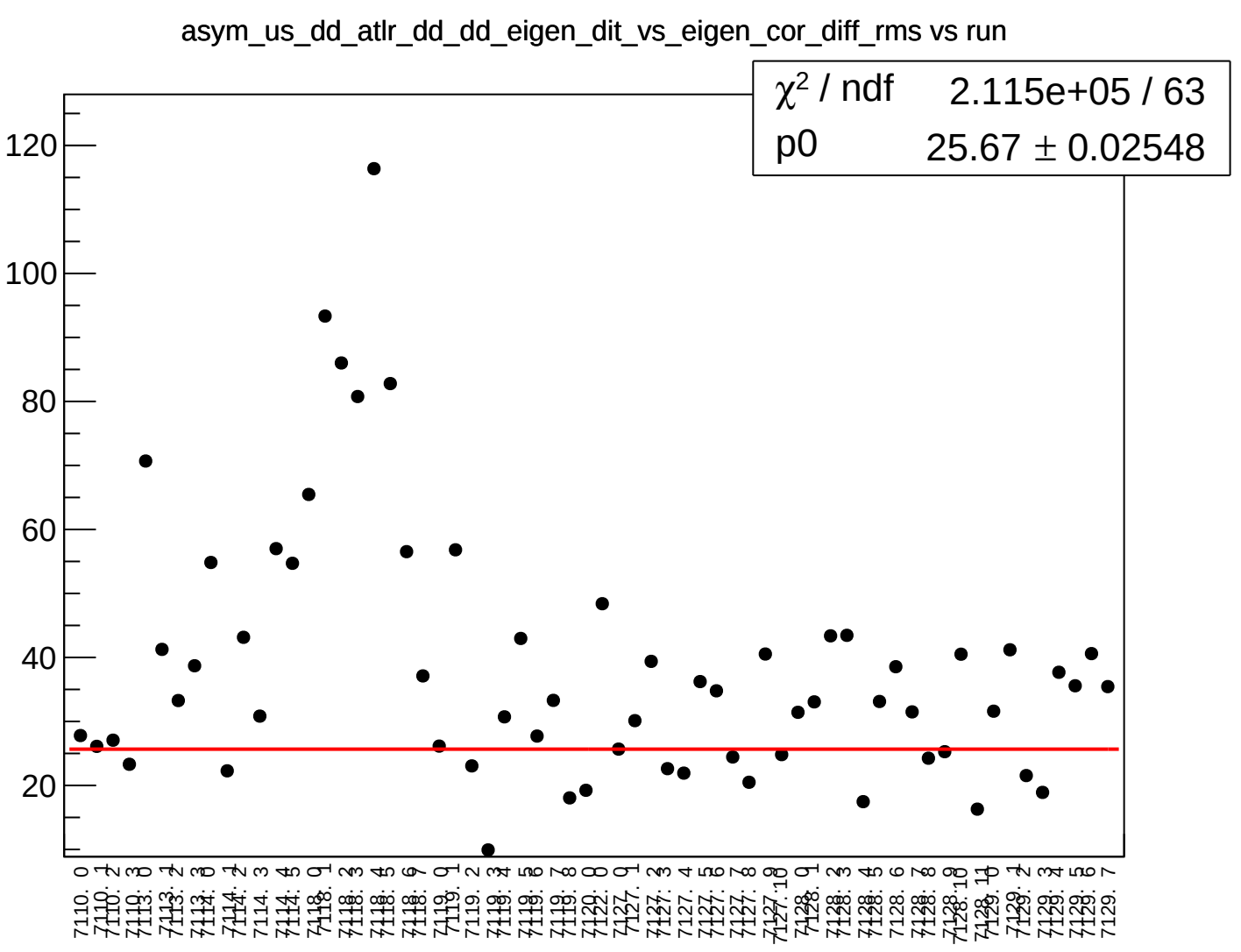

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.31 / 63
p0 0.0002668 ± 0.03604
pull
Entries 64
Mean 30.55
Std Dev 25.9

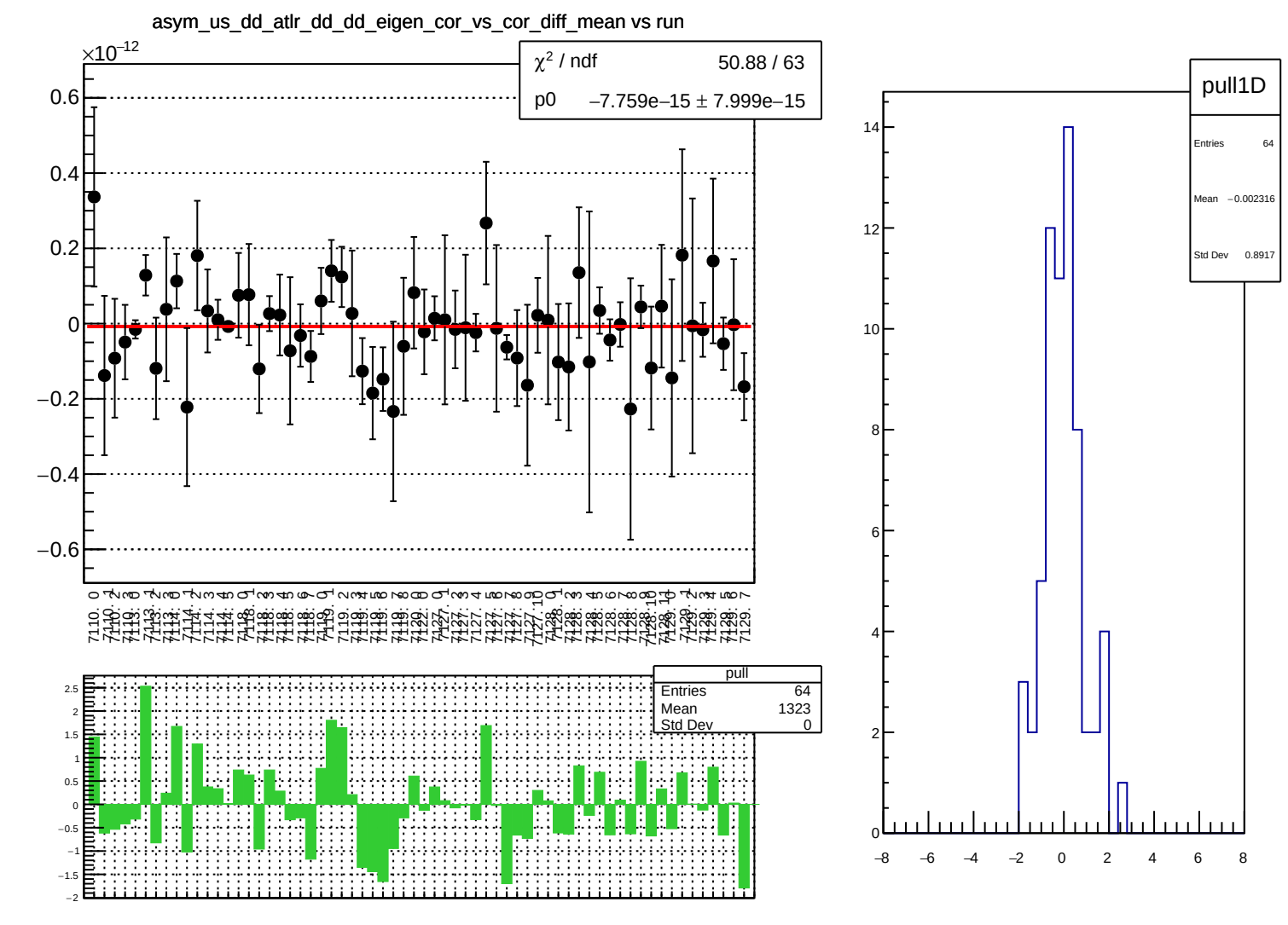

pull1D
Entries 64
Mean 0.0842
Std Dev 0.8556

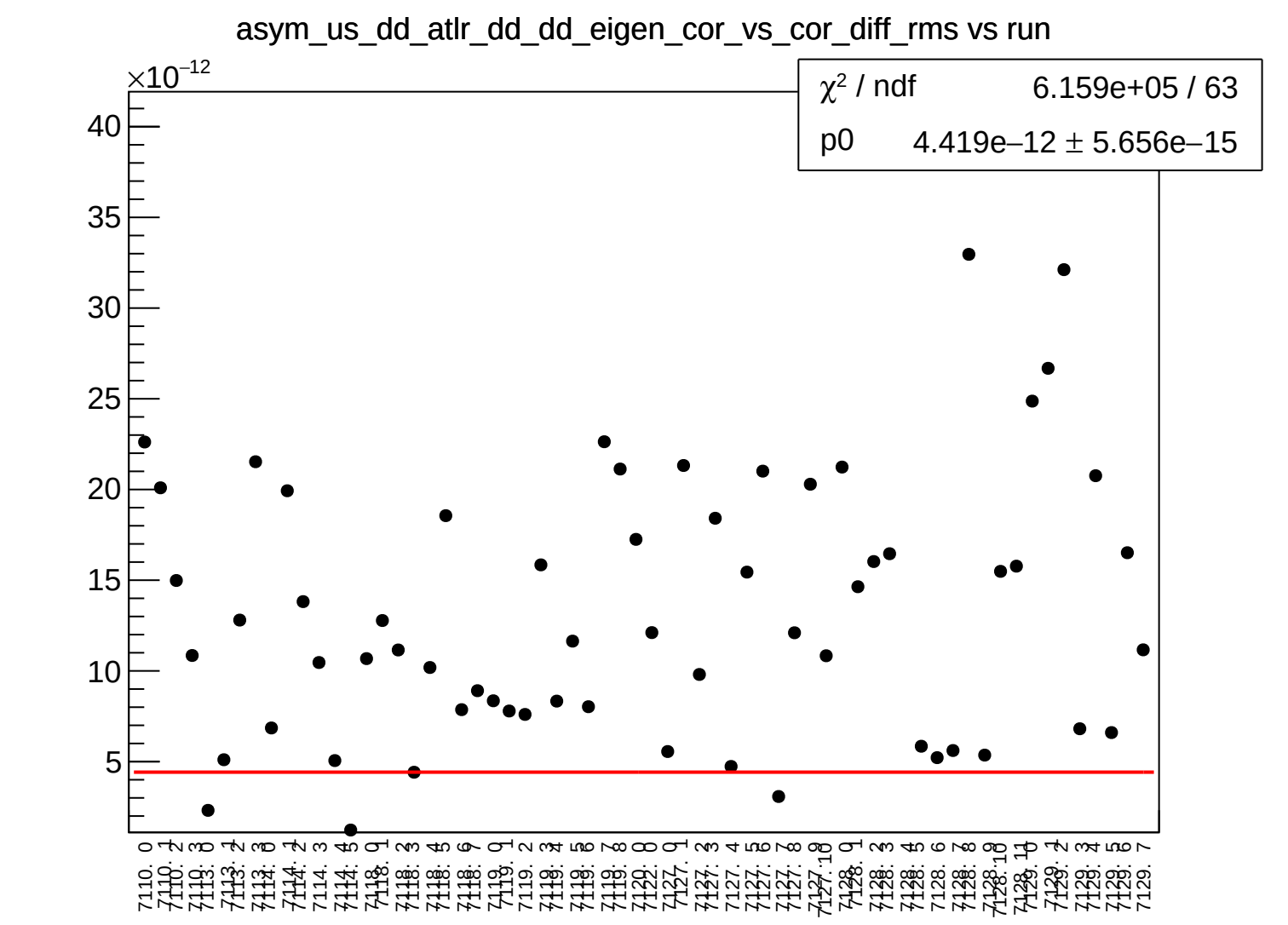

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.115e+05 / 63
p0 25.67 ± 0.02548
120
100
80
60
40
20

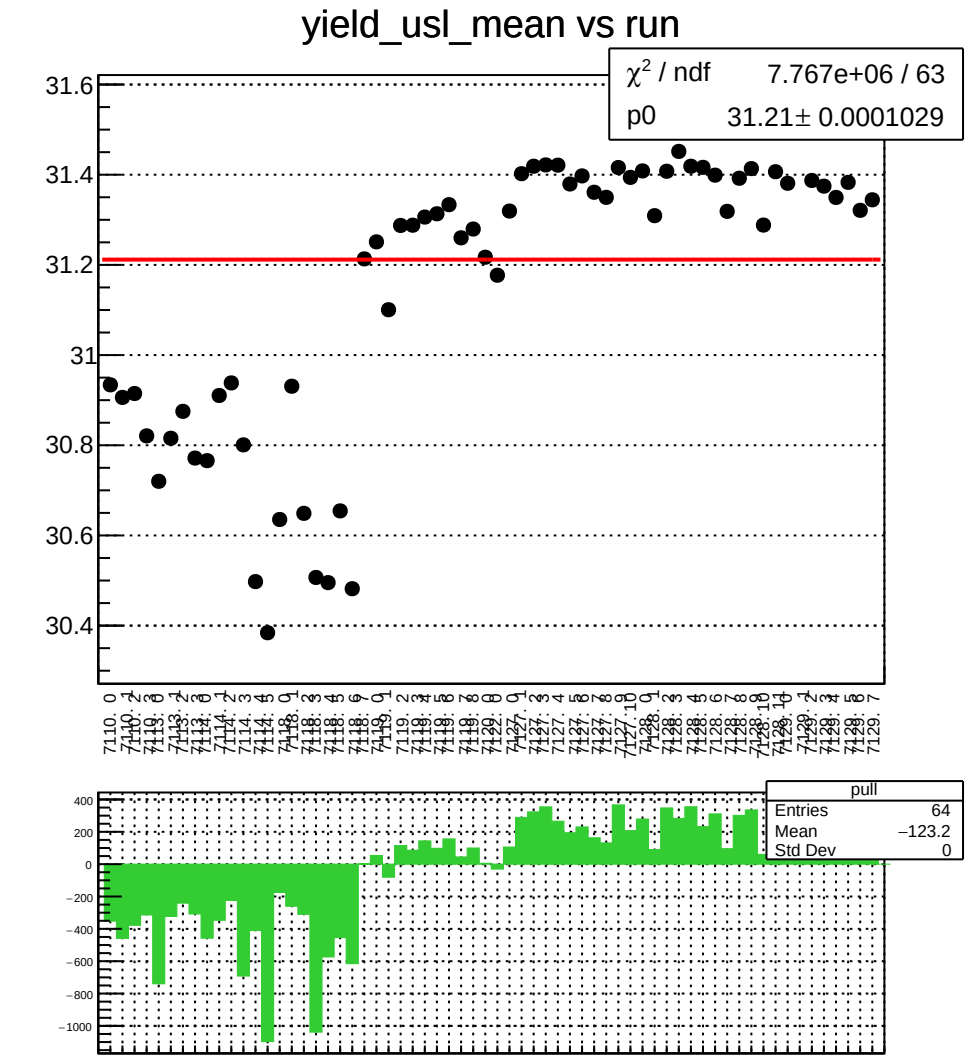

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.31 / 63
p0 0.0002668 ± 0.03604
pull
Entries 64
Mean 30.55
Std Dev 25.9

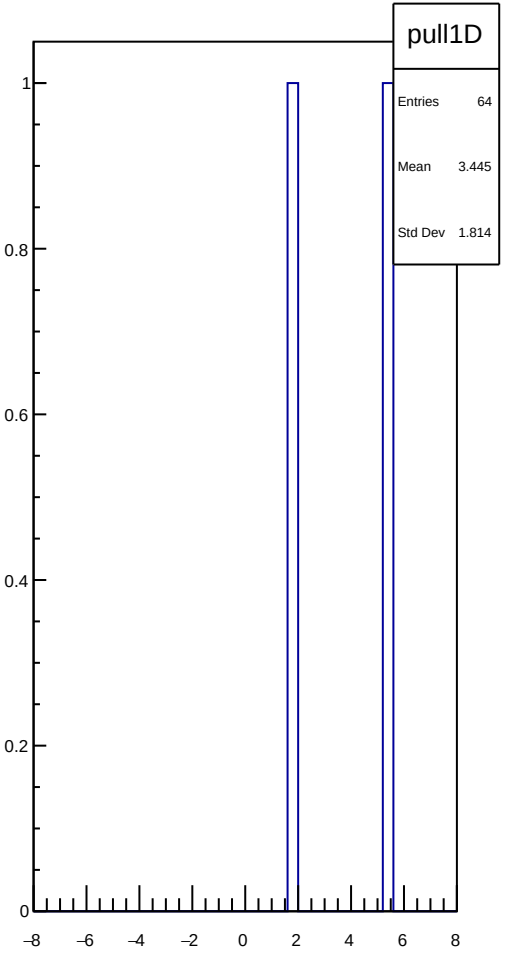

pull1D
Entries 64
Mean 0.0842
Std Dev 0.8556

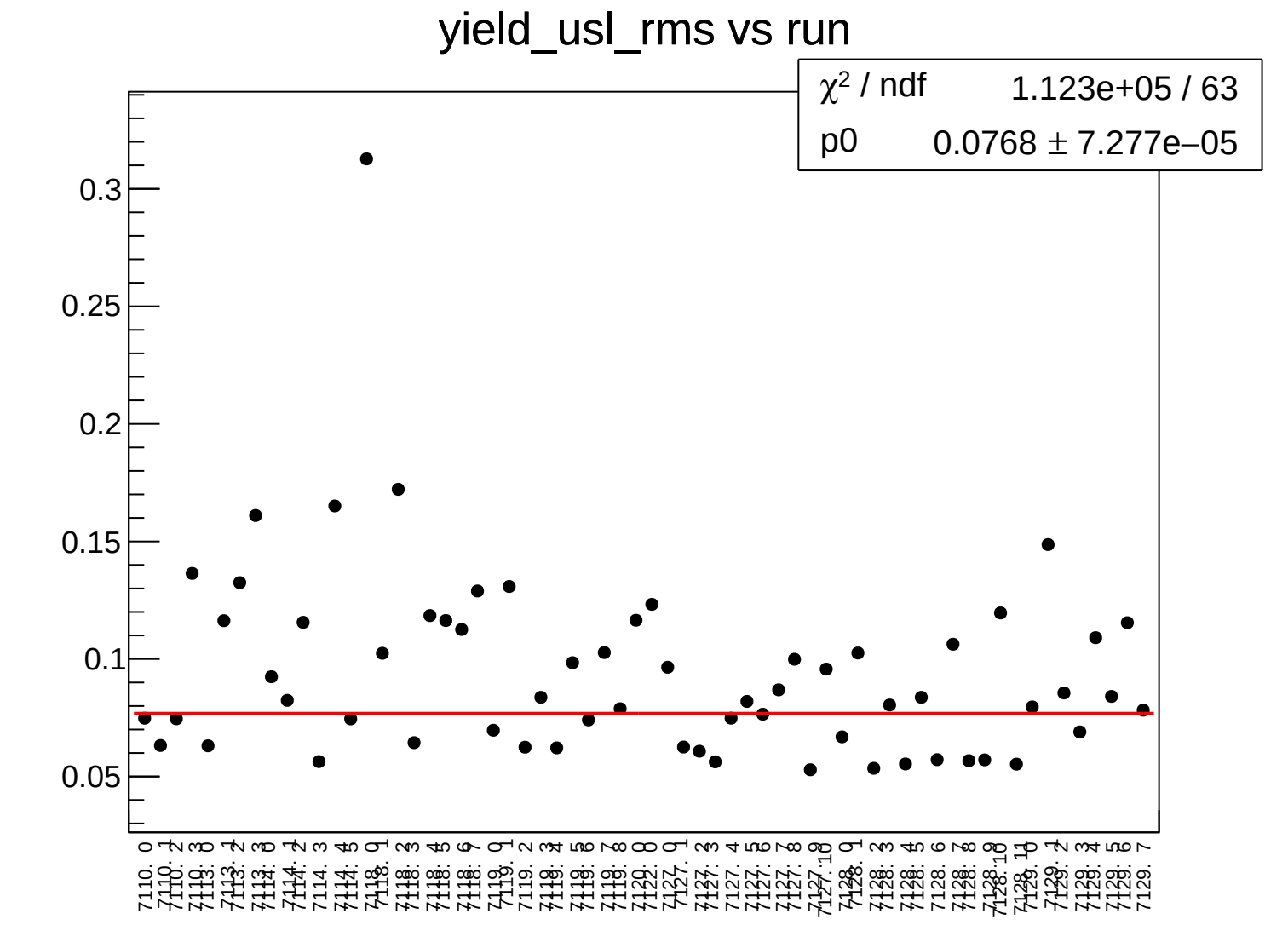

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.115e+05 / 63
p0 25.67 ± 0.02548
120
100
80
60
40
20

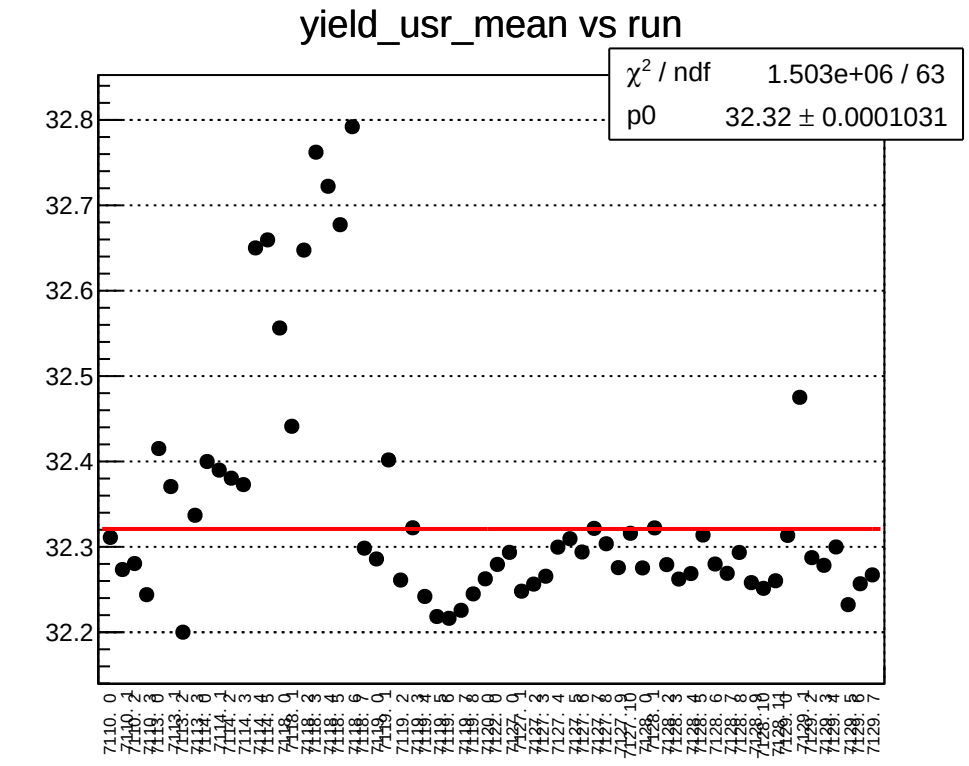

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.88 / 63
p0 −7.759e−15 ± 7.999e−15
pull
Entries 64
Mean 1323
Std Dev 0
pull1D
Entries 64
Mean −0.002316
Std Dev 0.8917

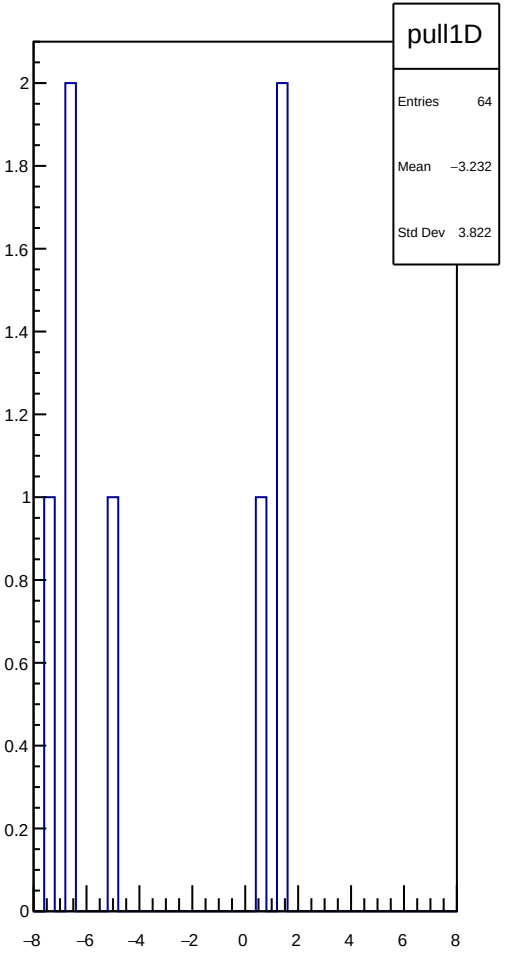

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.159e+05 / 63
p0 4.419e−12 ± 5.656e−15
40
35
30
25
20
15
10
5

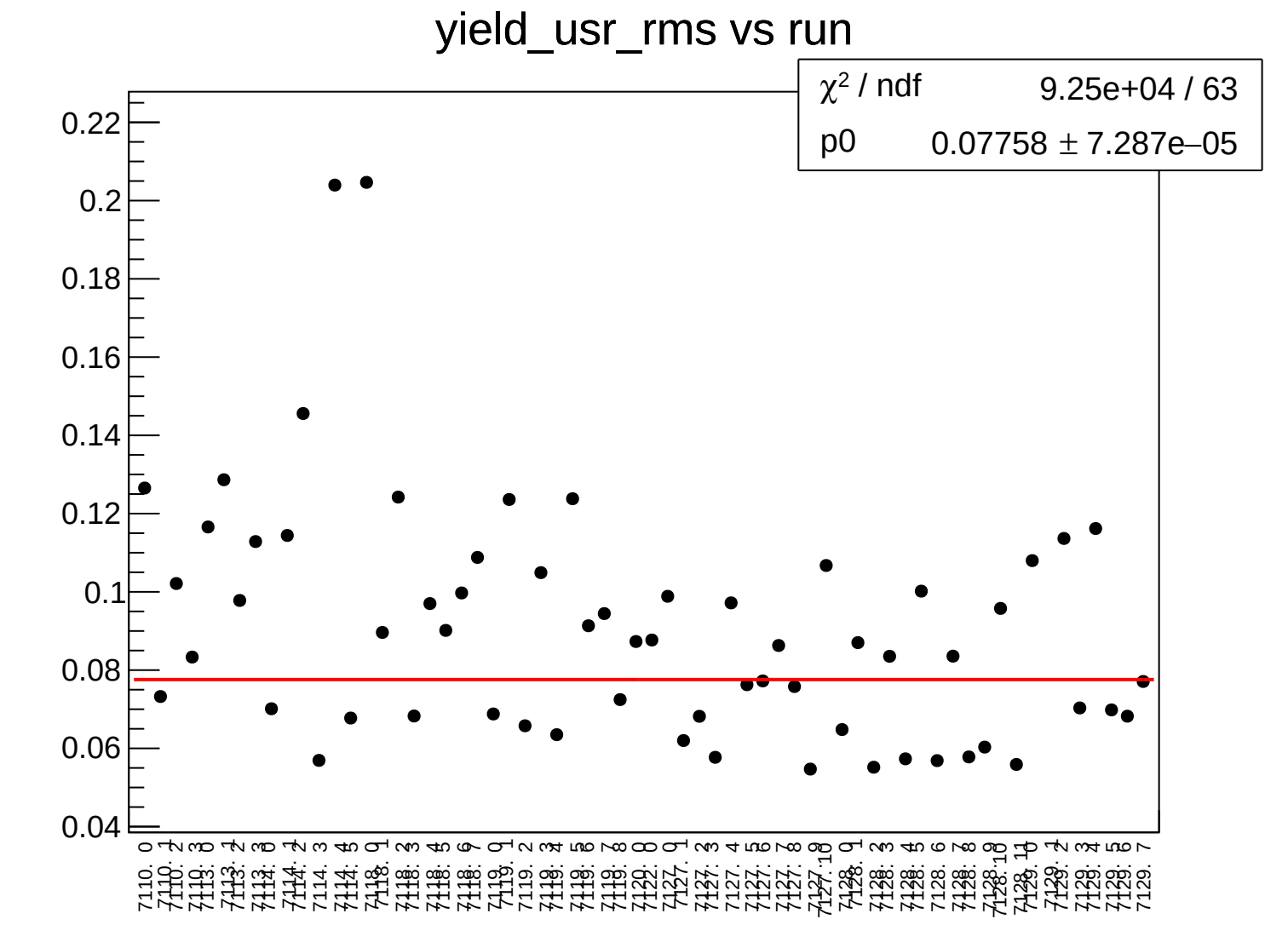

yield_usl_mean vs run
χ² / ndf 7.767e+06 / 63
p0 31.21± 0.0001029
31.6
31.4
31.2
31
30.8
30.6
30.4
pull
Entries 64
Mean −123.2
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

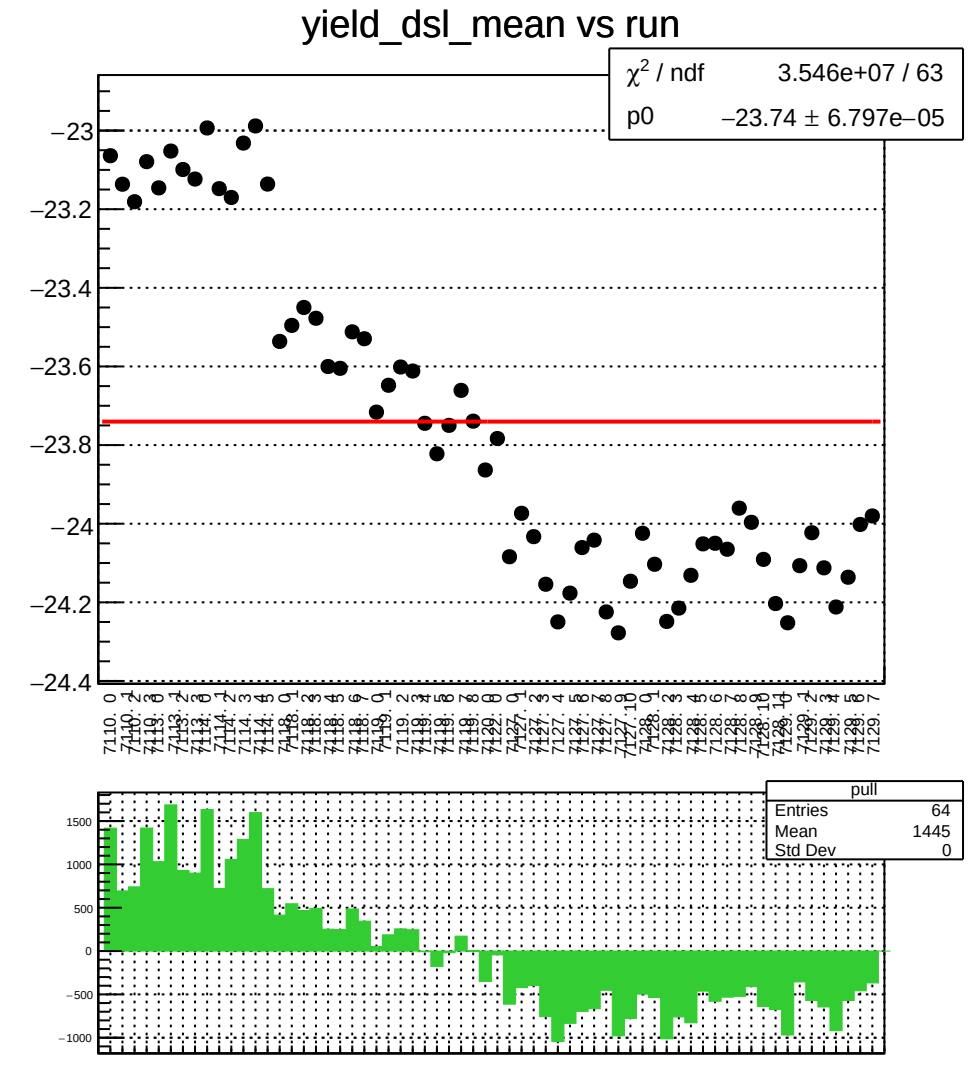

pull1D
Entries 64
Mean 3.445
Std Dev 1.814
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

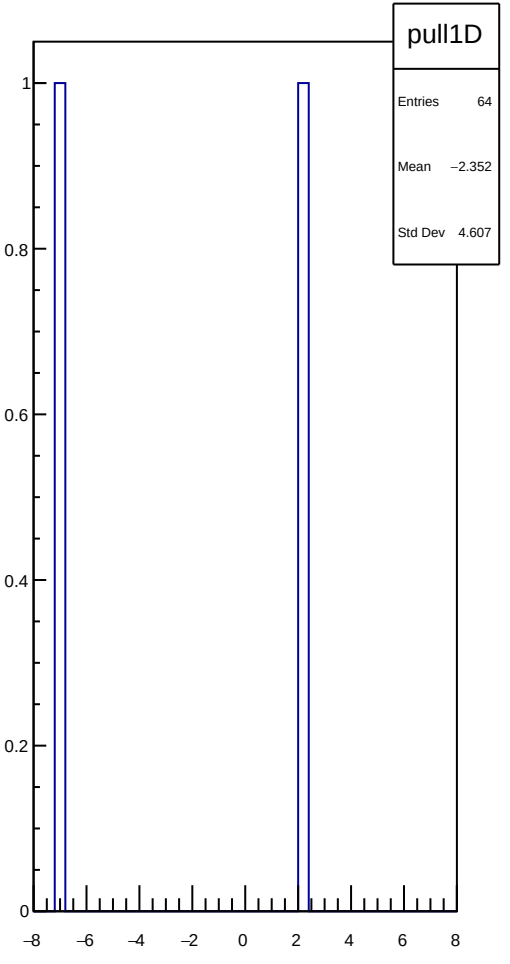

yield_usl_rms vs run
χ² / ndf 1.123e+05 / 63
p0 0.0768 ± 7.277e−05
0.3
0.25
0.2
0.15
0.1
0.05

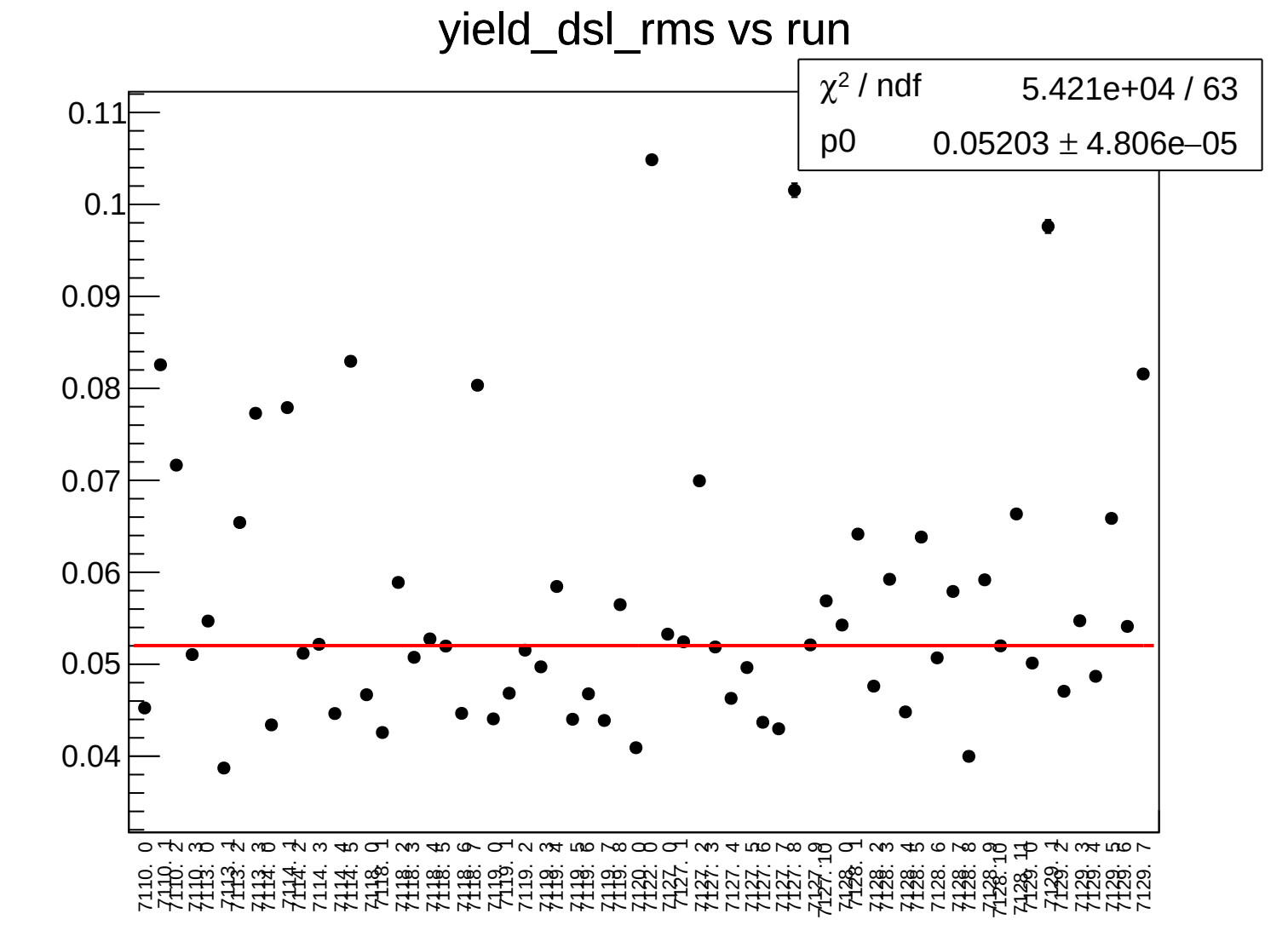

yield_usr_mean vs run
χ² / ndf 1.503e+06 / 63
p0 32.32 ± 0.0001031
32.8
32.7
32.6
32.5
32.4
32.3
32.2
pull
Entries 64
Mean −61.82
Std Dev 0
600
500
400
300
200
100
0
−100

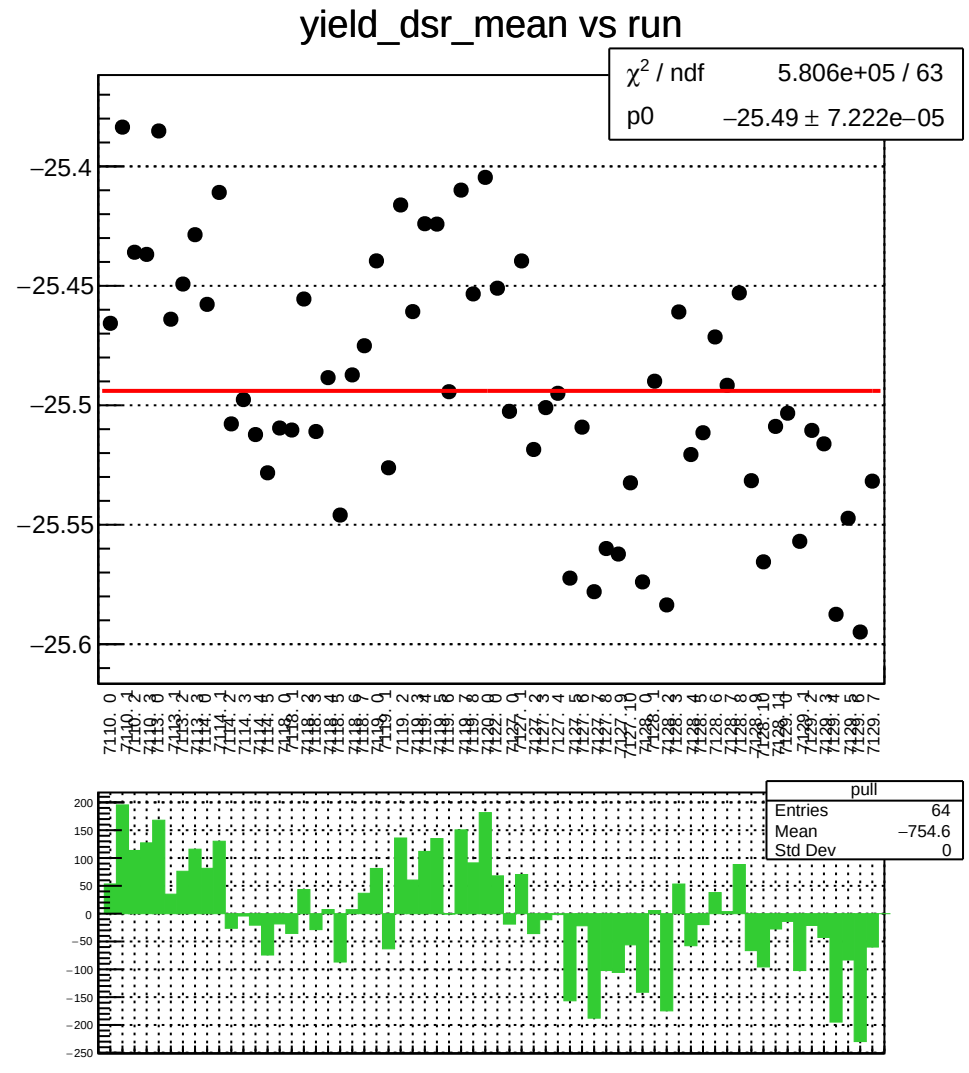

pull1D
Entries 64
Mean −3.232
Std Dev 3.822
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

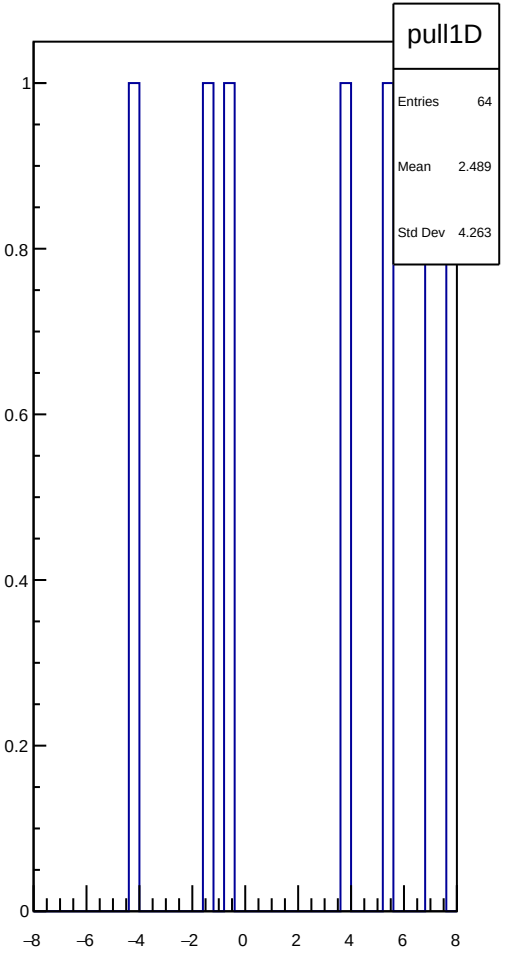

yield_usr_rms vs run
χ² / ndf 9.25e+04 / 63
p0 0.07758 ± 7.287e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

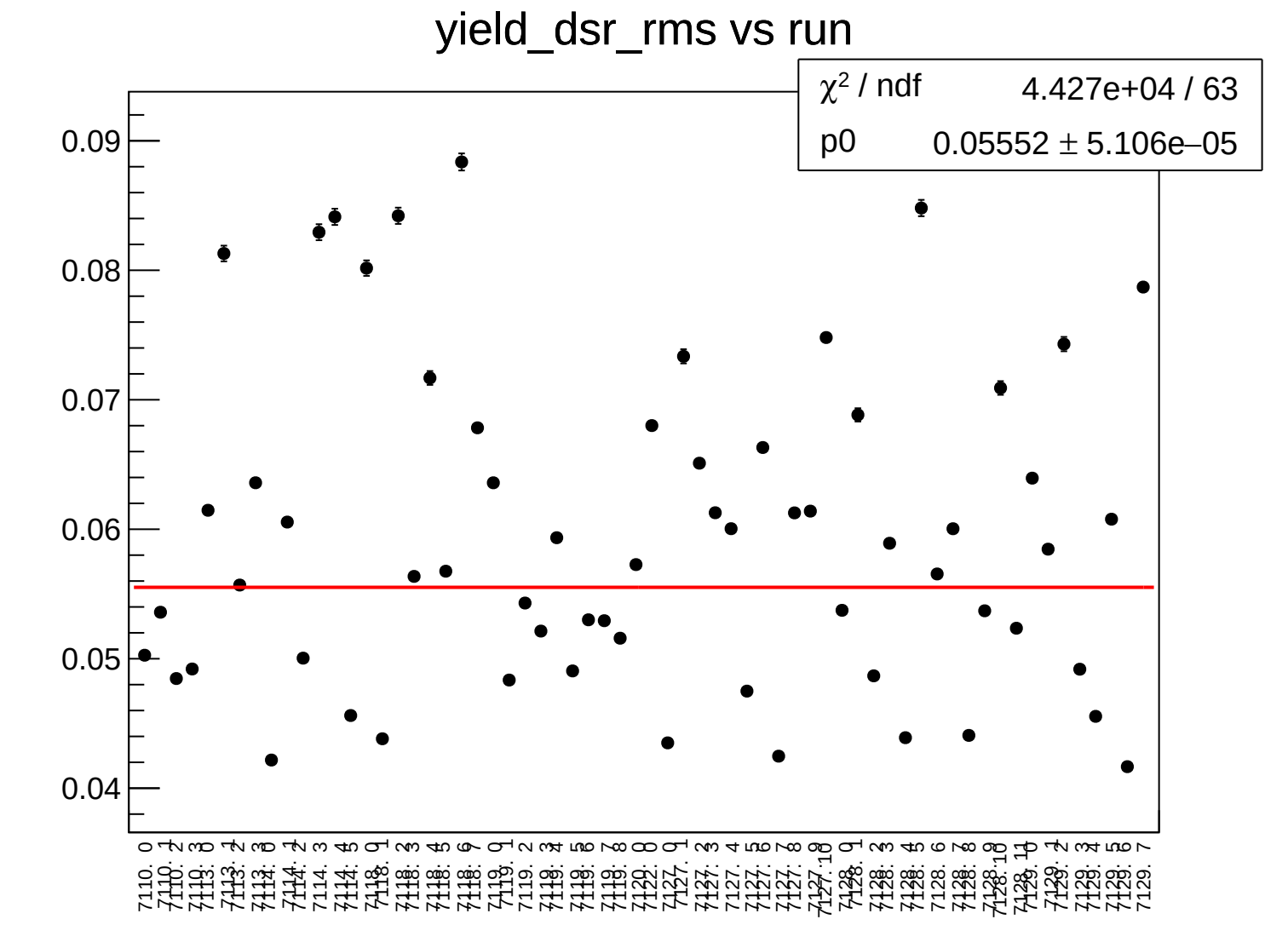

yield_dsl_mean vs run
χ² / ndf 3.546e+07 / 63
p0 −23.74 ± 6.797e−05
−23
−23.2
−23.4
−23.6
−23.8
−24
−24.2
−24.4
pull
Entries 64
Mean 1445
Std Dev 0
1500
1000
500
0
−500
−1000

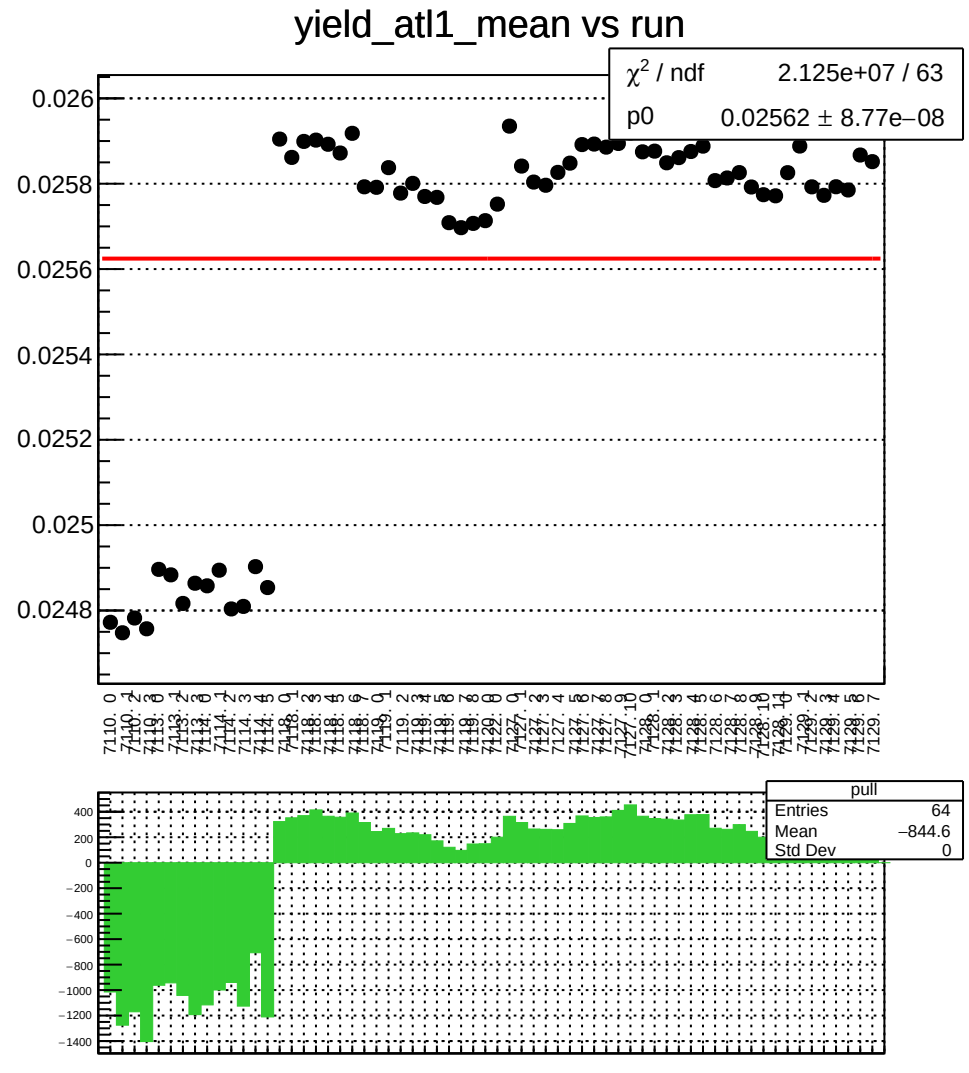

pull1D
Entries 64
Mean −2.352
Std Dev 4.607
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

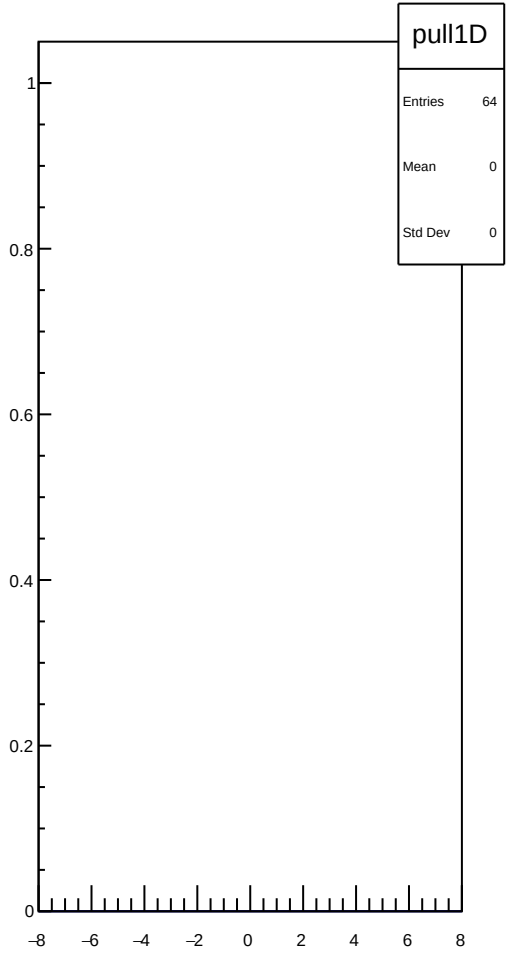

yield_dsl_rms vs run
χ² / ndf 5.421e+04 / 63
p0 0.05203 ± 4.806e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

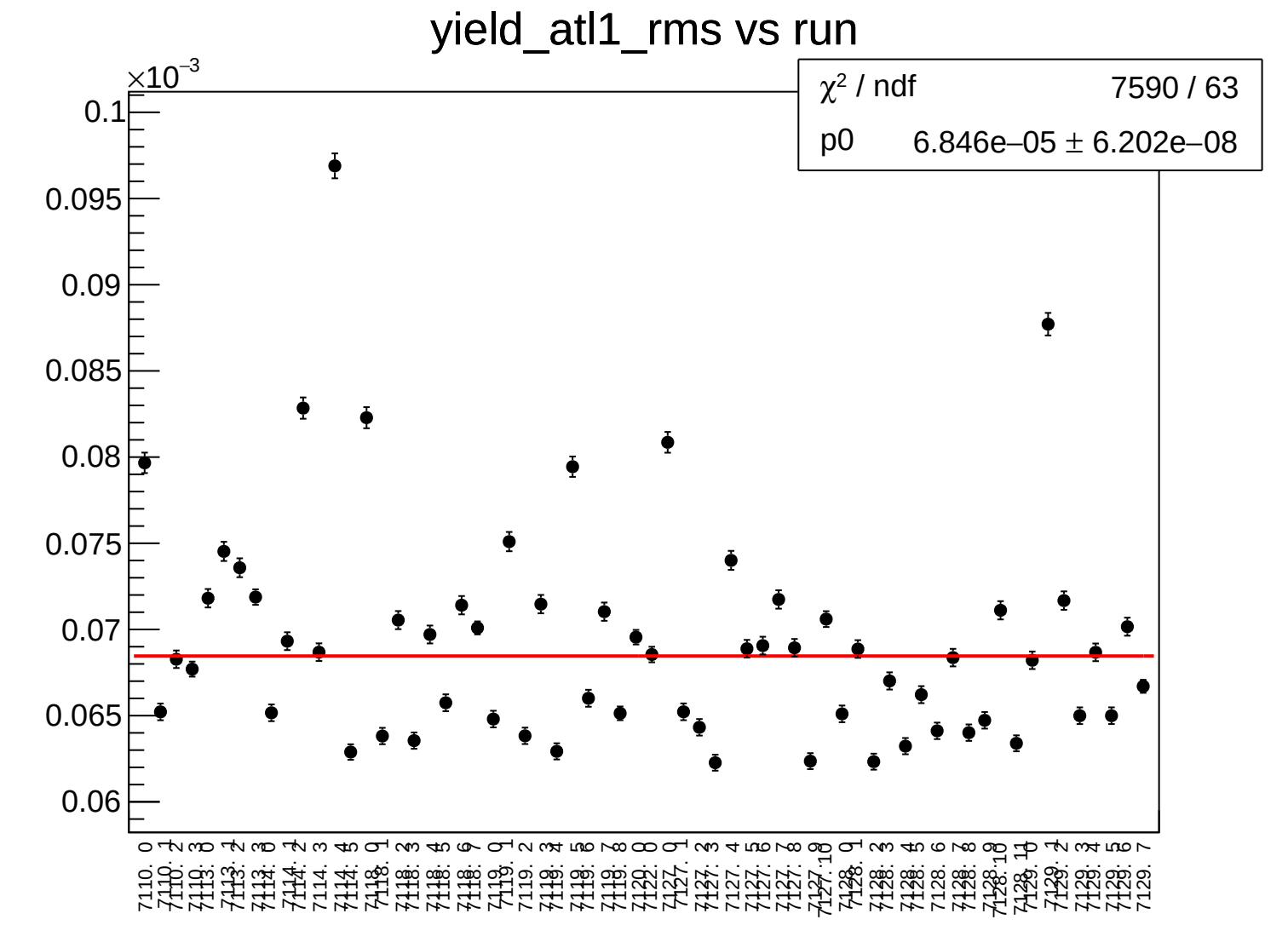

yield_dsr_mean vs run
χ² / ndf 5.806e+05 / 63
p0 −25.49 ± 7.222e−05
−25.4
−25.45
−25.5
−25.55
−25.6
pull
Entries 64
Mean −754.6
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

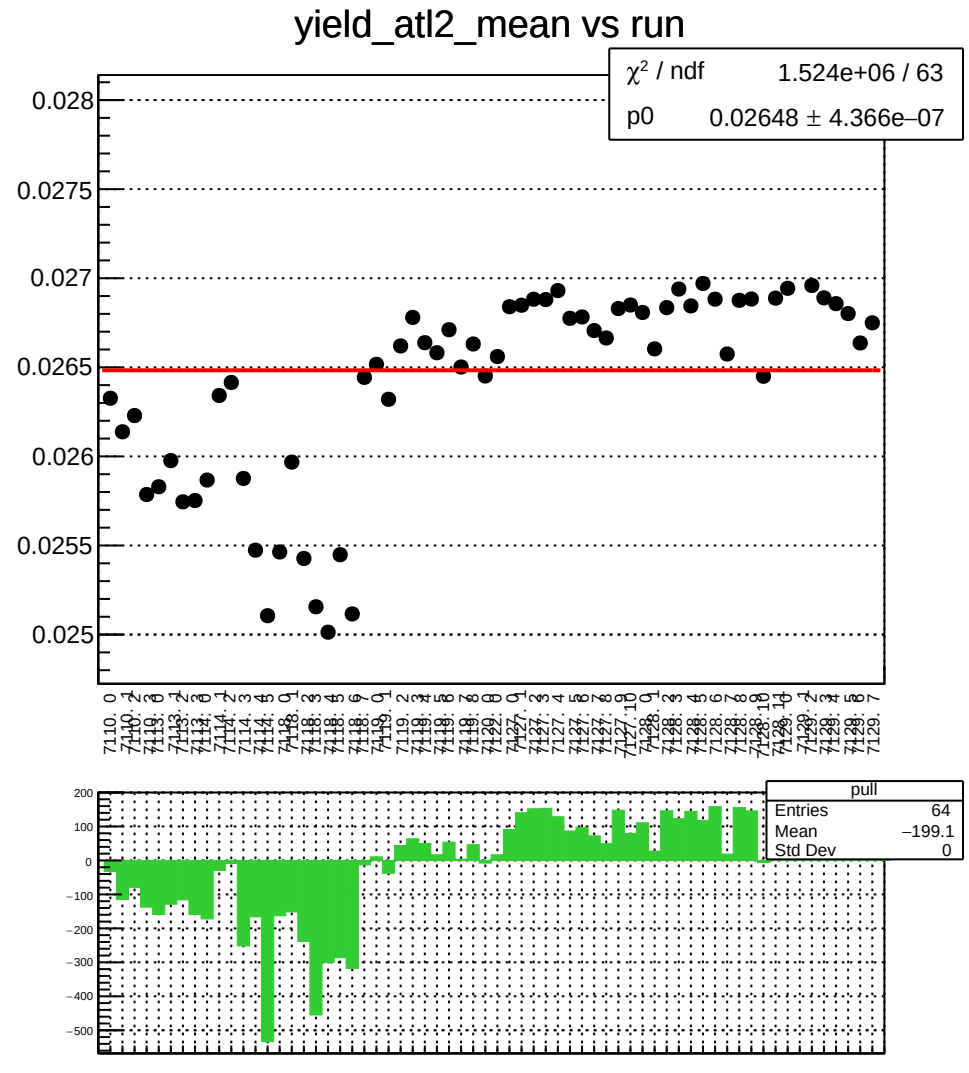

pull1D
Entries 64
Mean 2.489
Std Dev 4.263
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

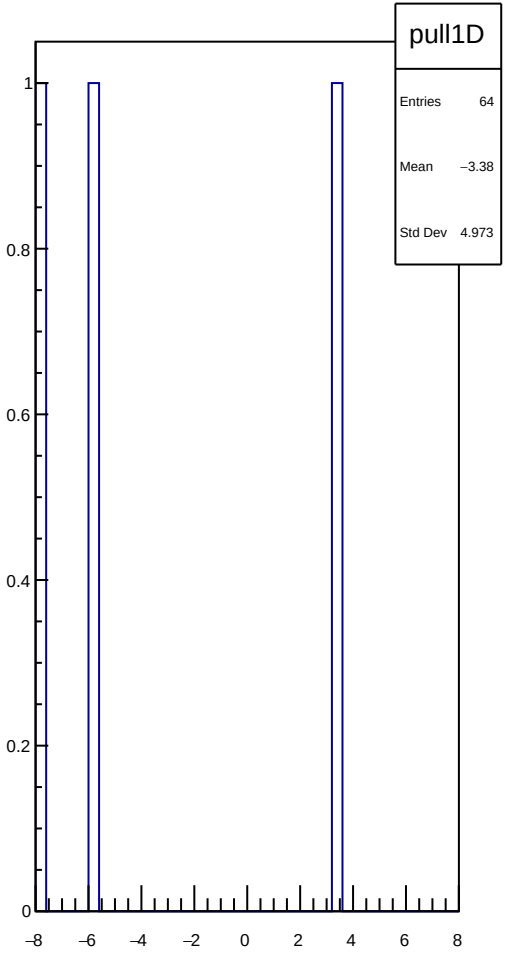

yield_dsr_rms vs run
χ² / ndf 4.427e+04 / 63
p0 0.05552 ± 5.106e−05
0.09
0.08
0.07
0.06
0.05
0.04

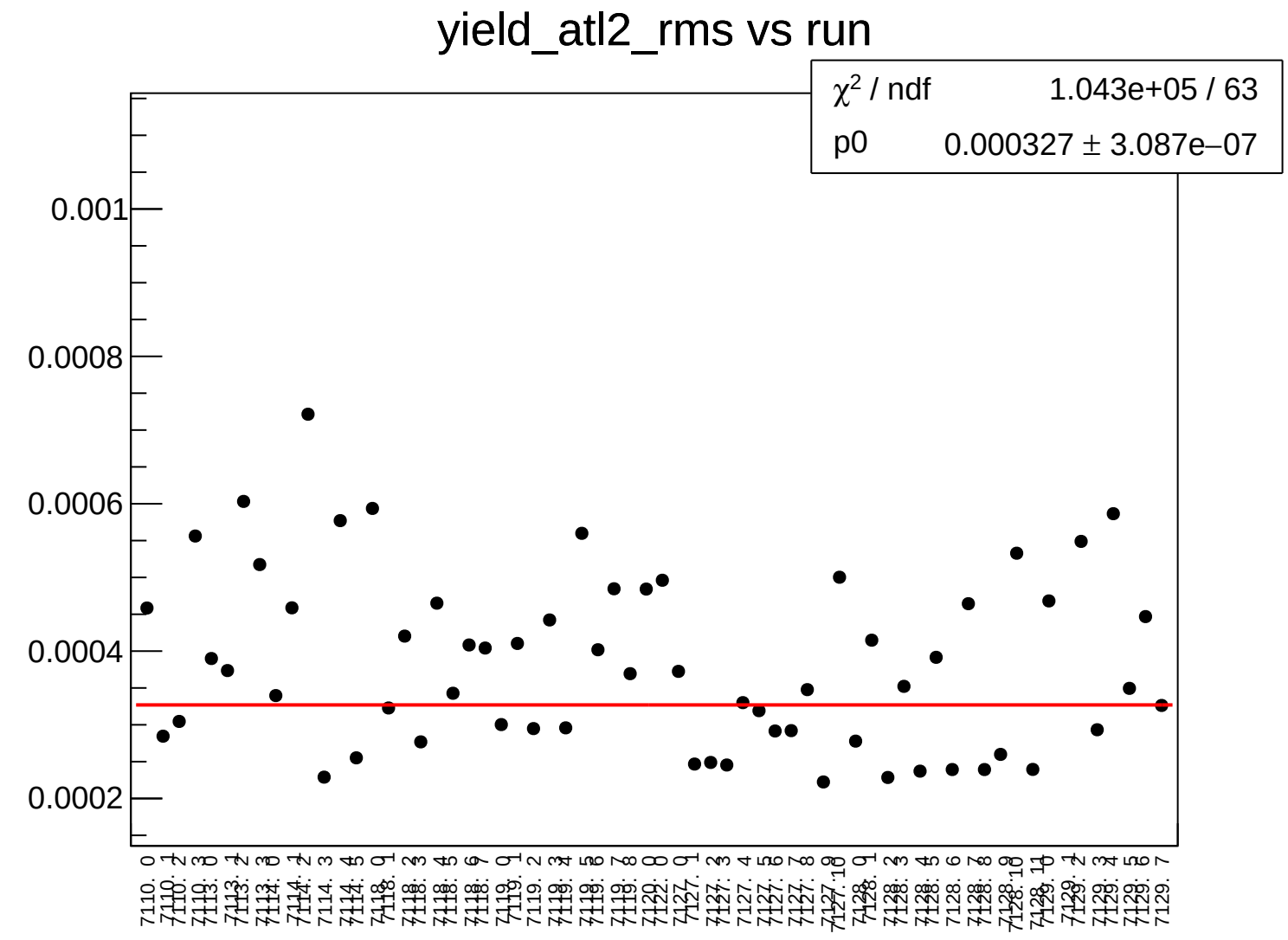

yield_atl1_mean vs run
χ² / ndf 2.125e+07 / 63
p0 0.02562 ± 8.77e−08
0.026
0.0258
0.0256
0.0254
0.0252
0.025
0.0248
pull
Entries 64
Mean −844.6
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

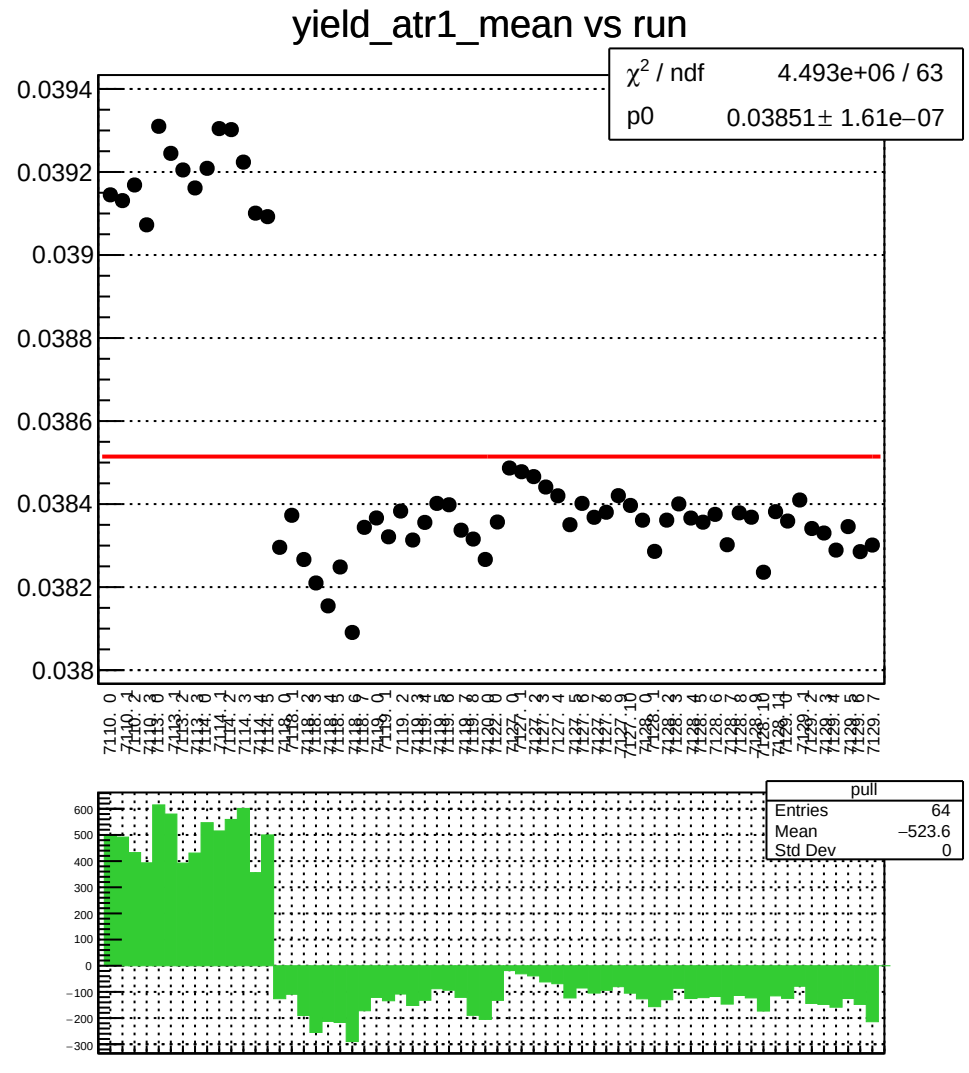

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

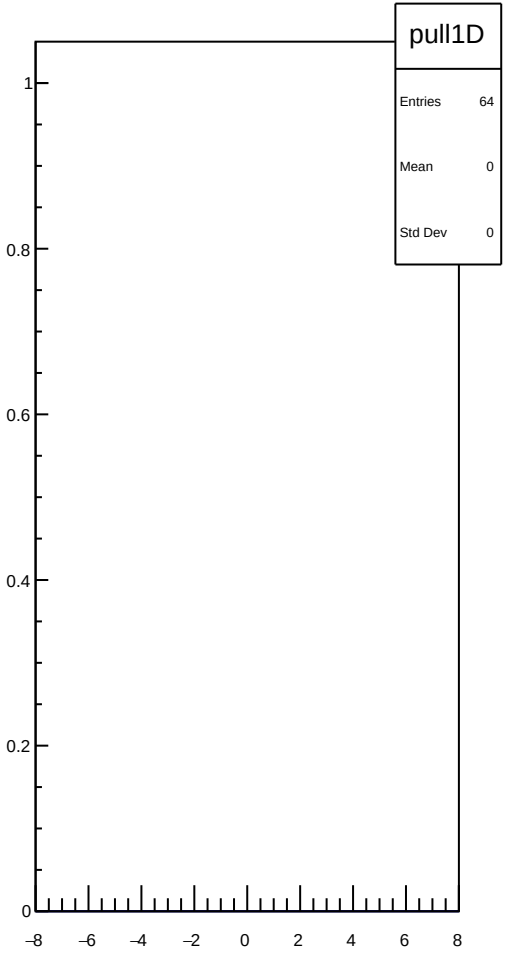

yield_atl1_rms vs run
×10⁻³
χ² / ndf 7590 / 63
p0 6.846e−05 ± 6.202e−08
0.1
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06

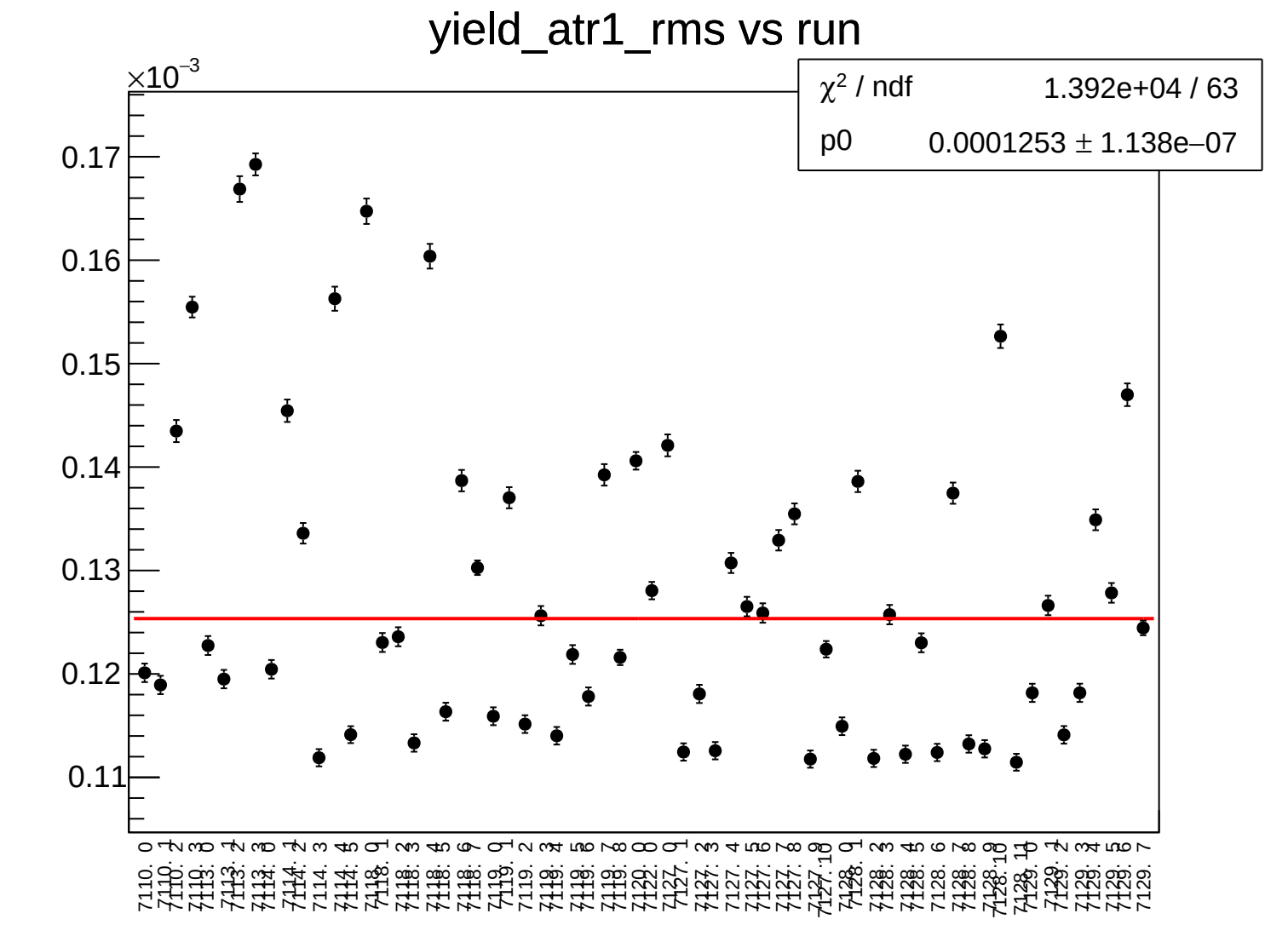

yield_atl2_mean vs run
χ² / ndf 1.524e+06 / 63
p0 0.02648 ± 4.366e−07
0.028
0.0275
0.027
0.0265
0.026
0.0255
0.025
pull
Entries 64
Mean −199.1
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

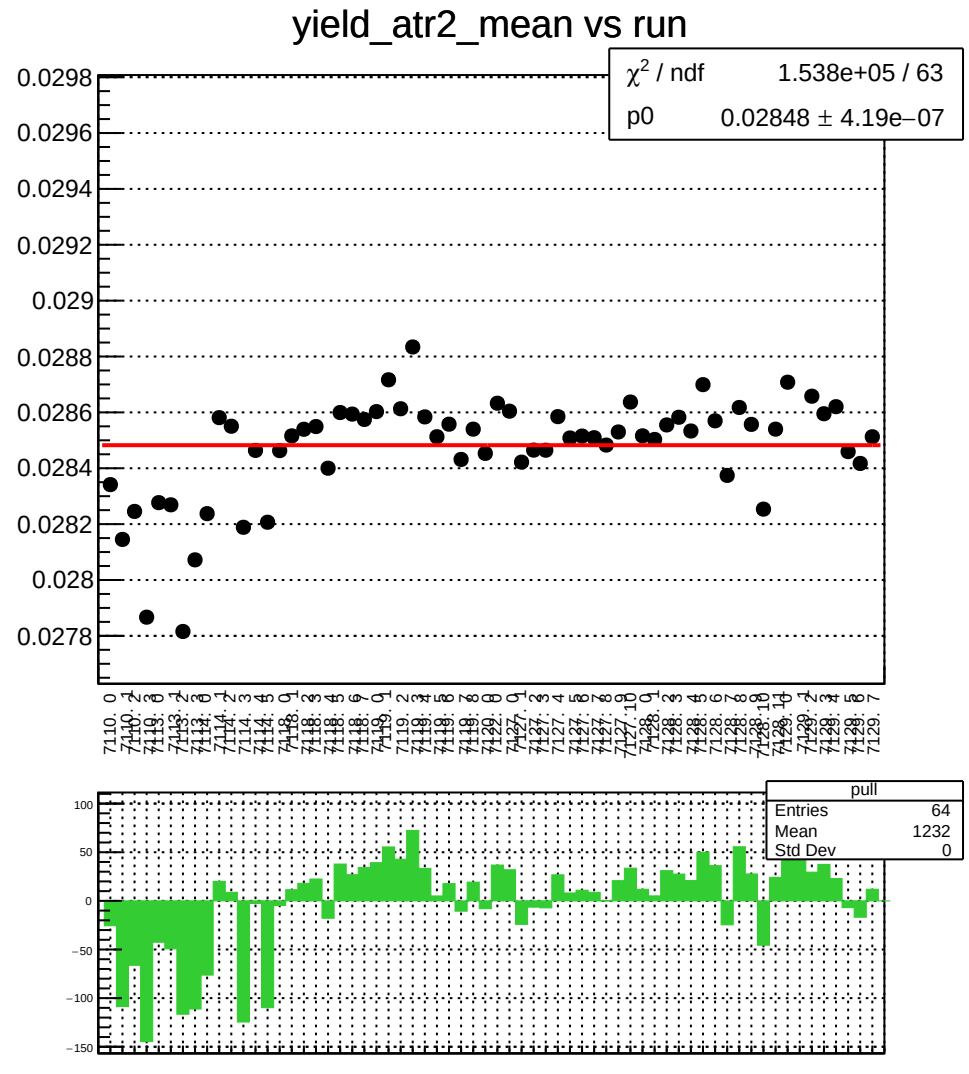

pull1D
Entries 64
Mean −3.38
Std Dev 4.973
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

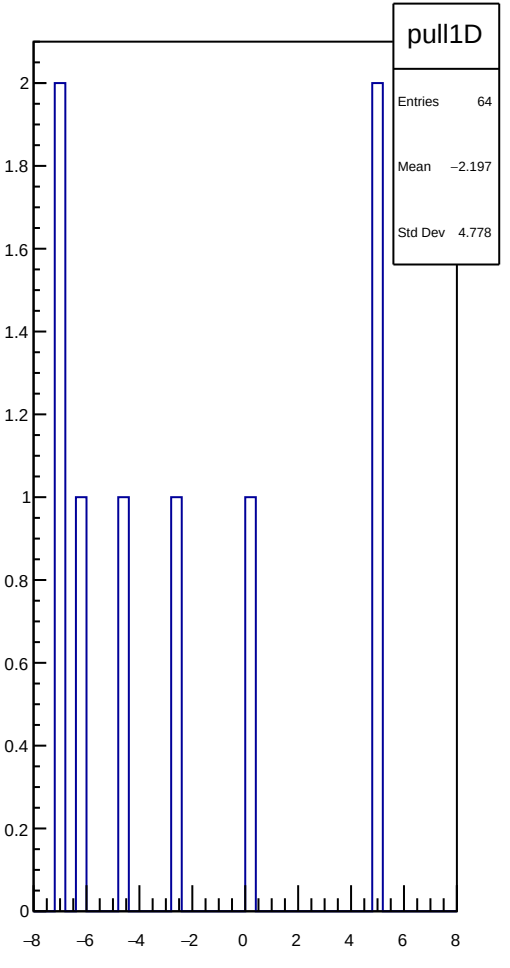

yield_atl2_rms vs run
χ² / ndf 1.043e+05 / 63
p0 0.000327 ± 3.087e−07
0.001
0.0008
0.0006
0.0004
0.0002

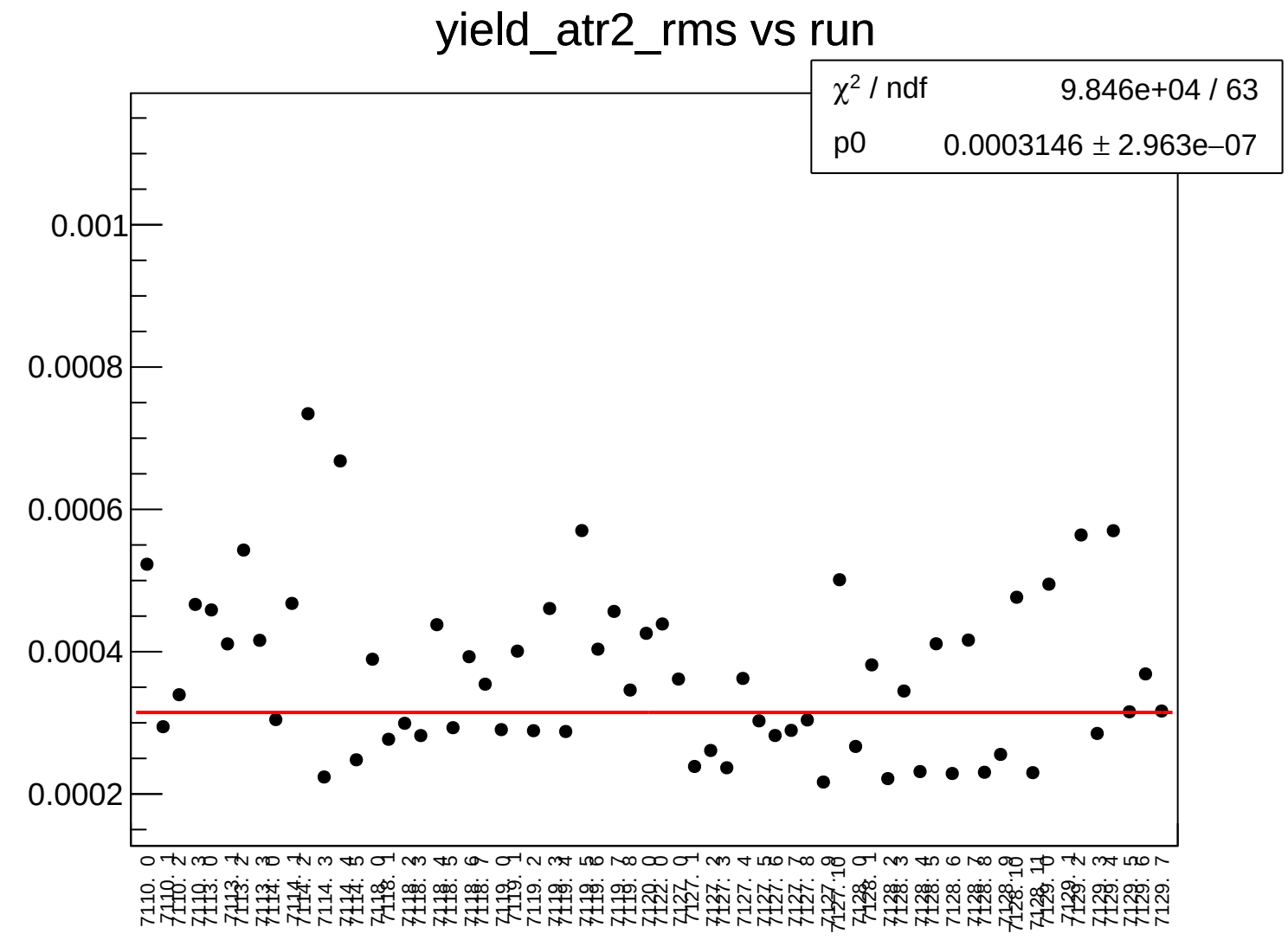

yield_atr1_mean vs run
χ² / ndf 4.493e+06 / 63
p0 0.03851± 1.61e−07
0.0394
0.0392
0.039
0.0388
0.0386
0.0384
0.0382
0.038
pull
Entries 64
Mean −523.6
Std Dev 0
600
500
400
300
200
100
0
−100
−200
−300

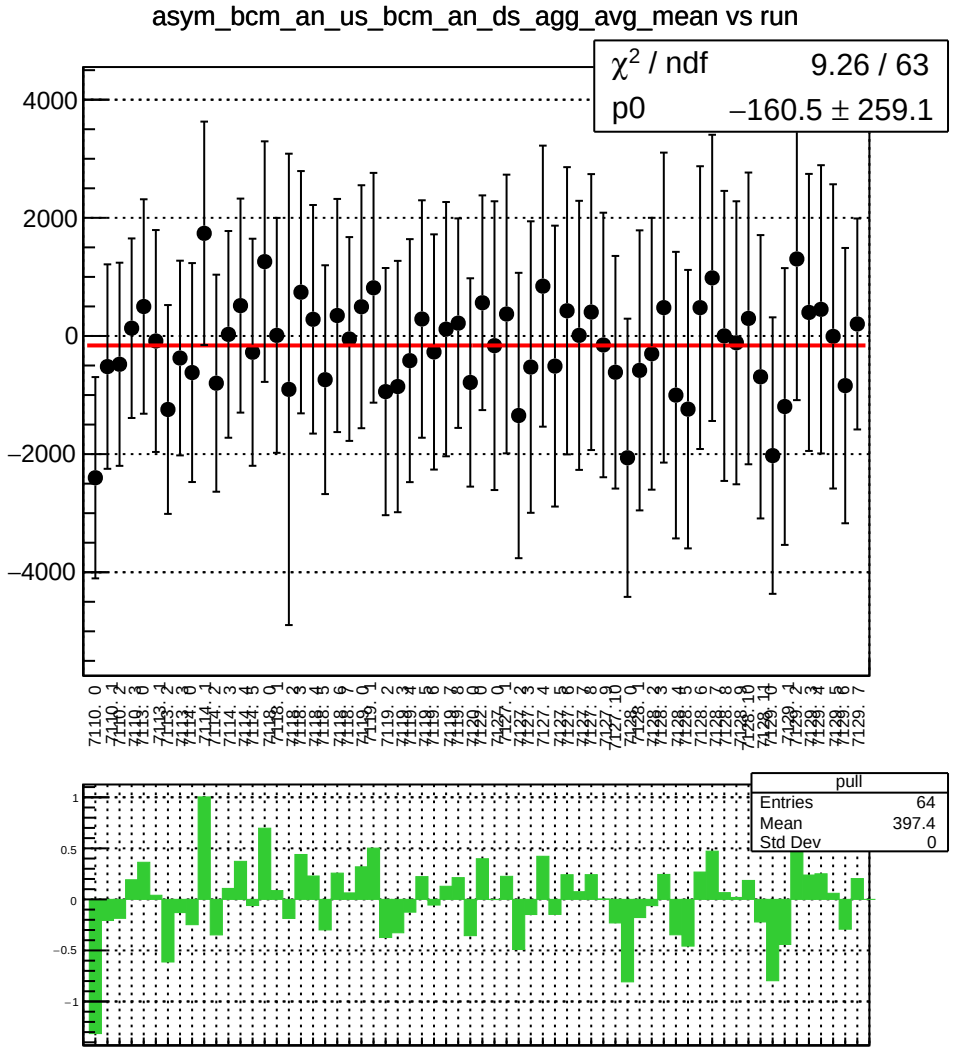

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

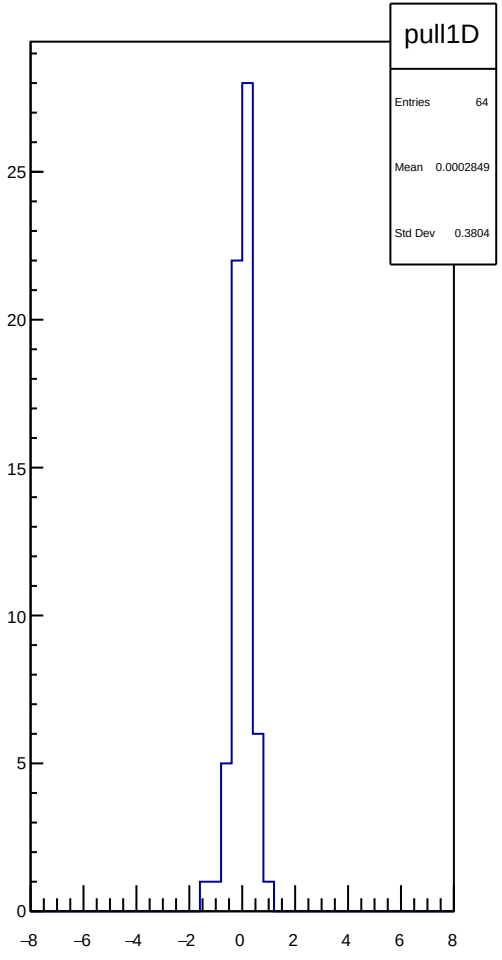

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.392e+04 / 63
p0 0.0001253 ± 1.138e−07
0.17
0.16
0.15
0.14
0.13
0.12
0.11

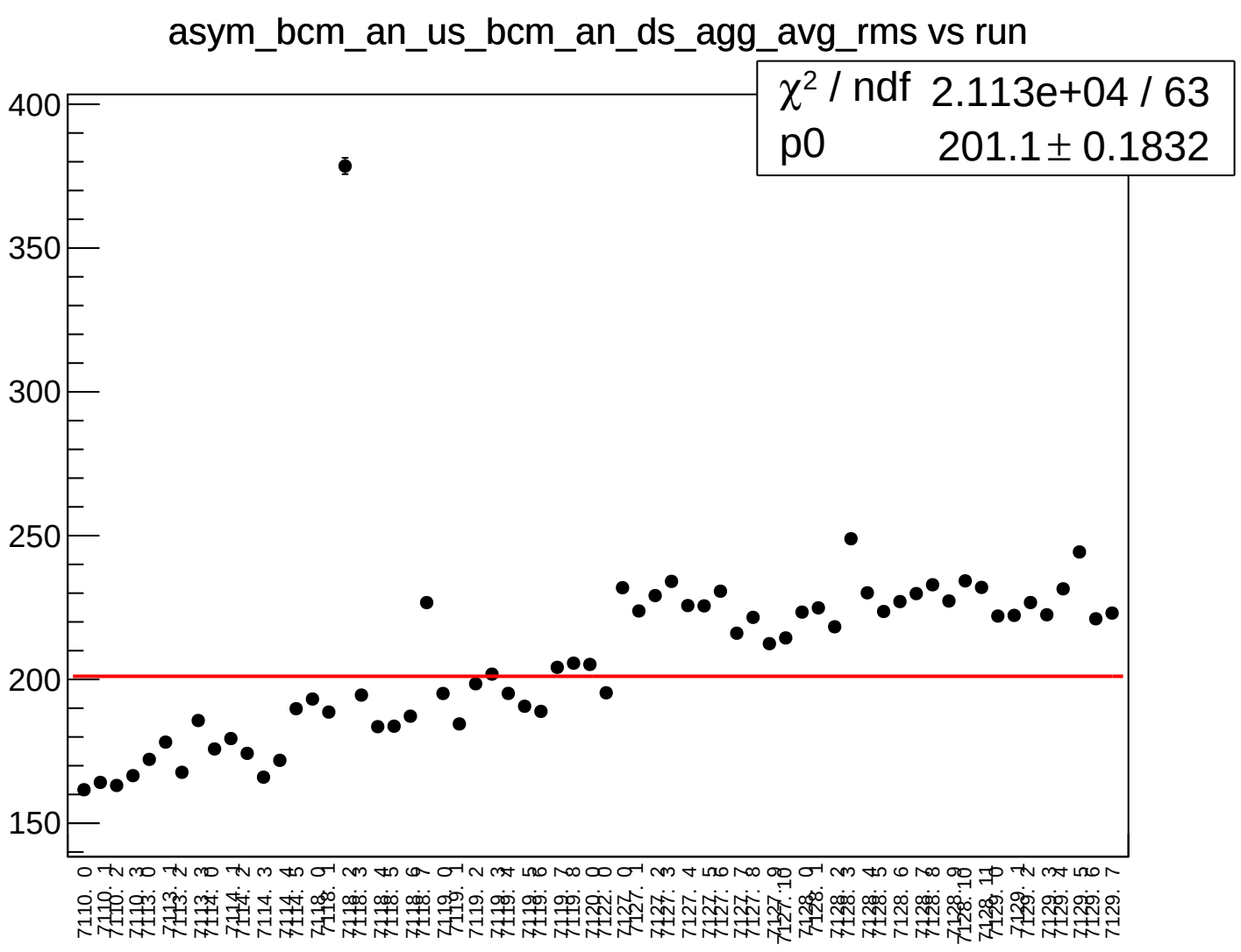

yield_atr2_mean vs run
χ² / ndf 1.538e+05 / 63
p0 0.02848 ± 4.19e−07
0.0298
0.0296
0.0294
0.0292
0.029
0.0288
0.0286
0.0284
0.0282
0.028
0.0278
pull
Entries 64
Mean 1232
Std Dev 0
100
50
0
−50
−100
−150

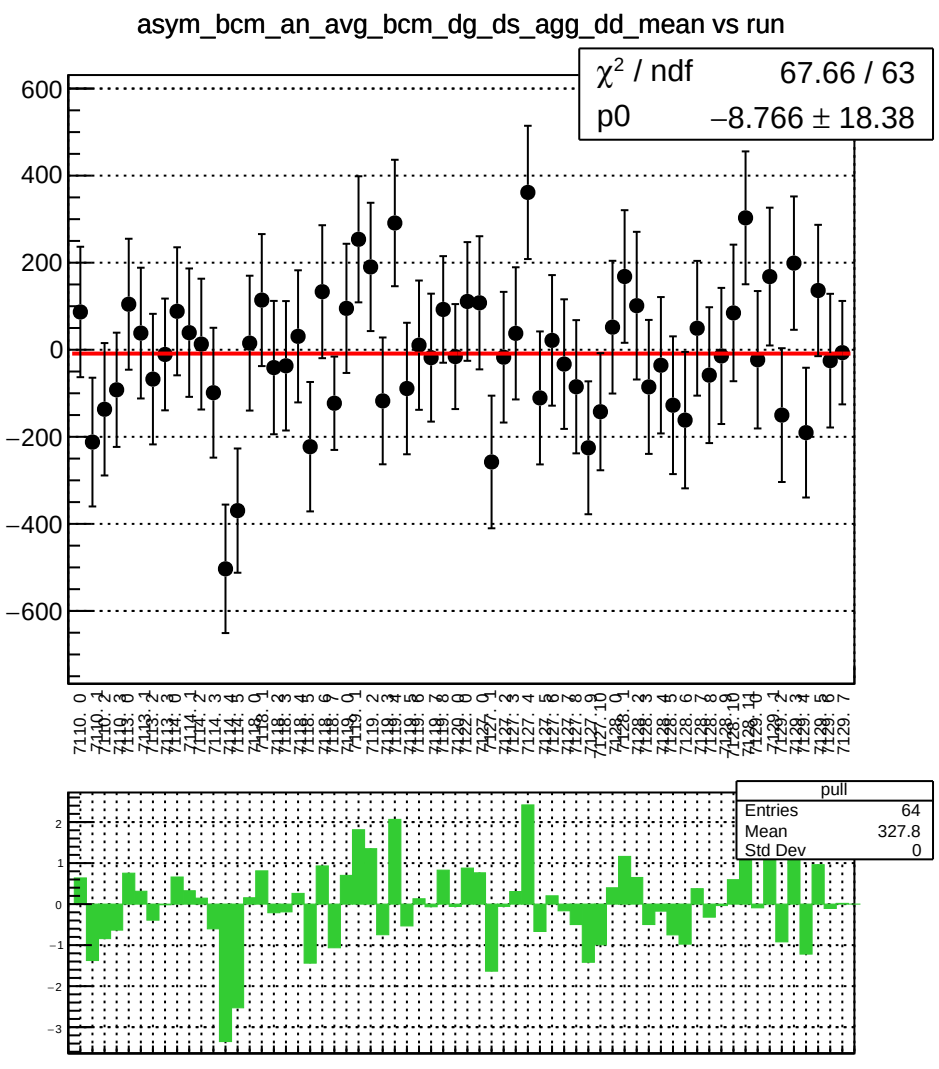

pull1D
Entries 64
Mean −2.197
Std Dev 4.778
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

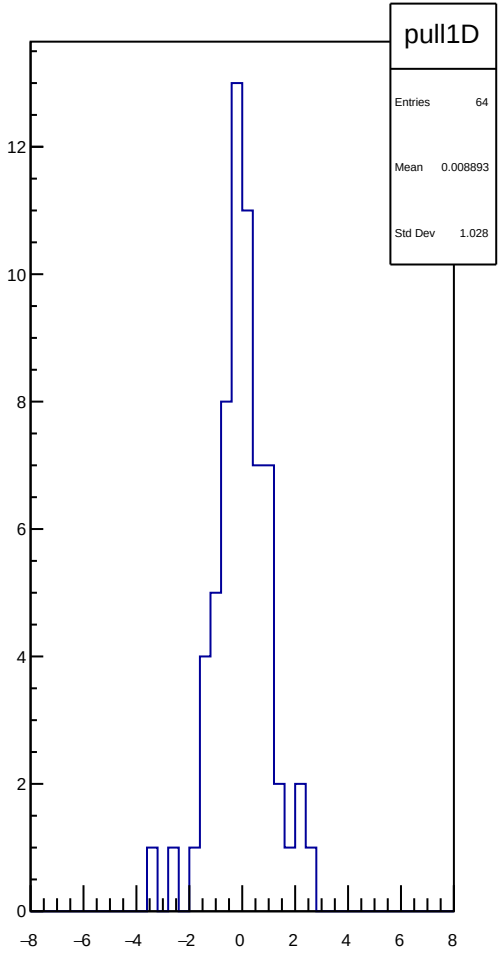

yield_atr2_rms vs run
χ² / ndf 9.846e+04 / 63
p0 0.0003146 ± 2.963e−07
0.001
0.0008
0.0006
0.0004
0.0002

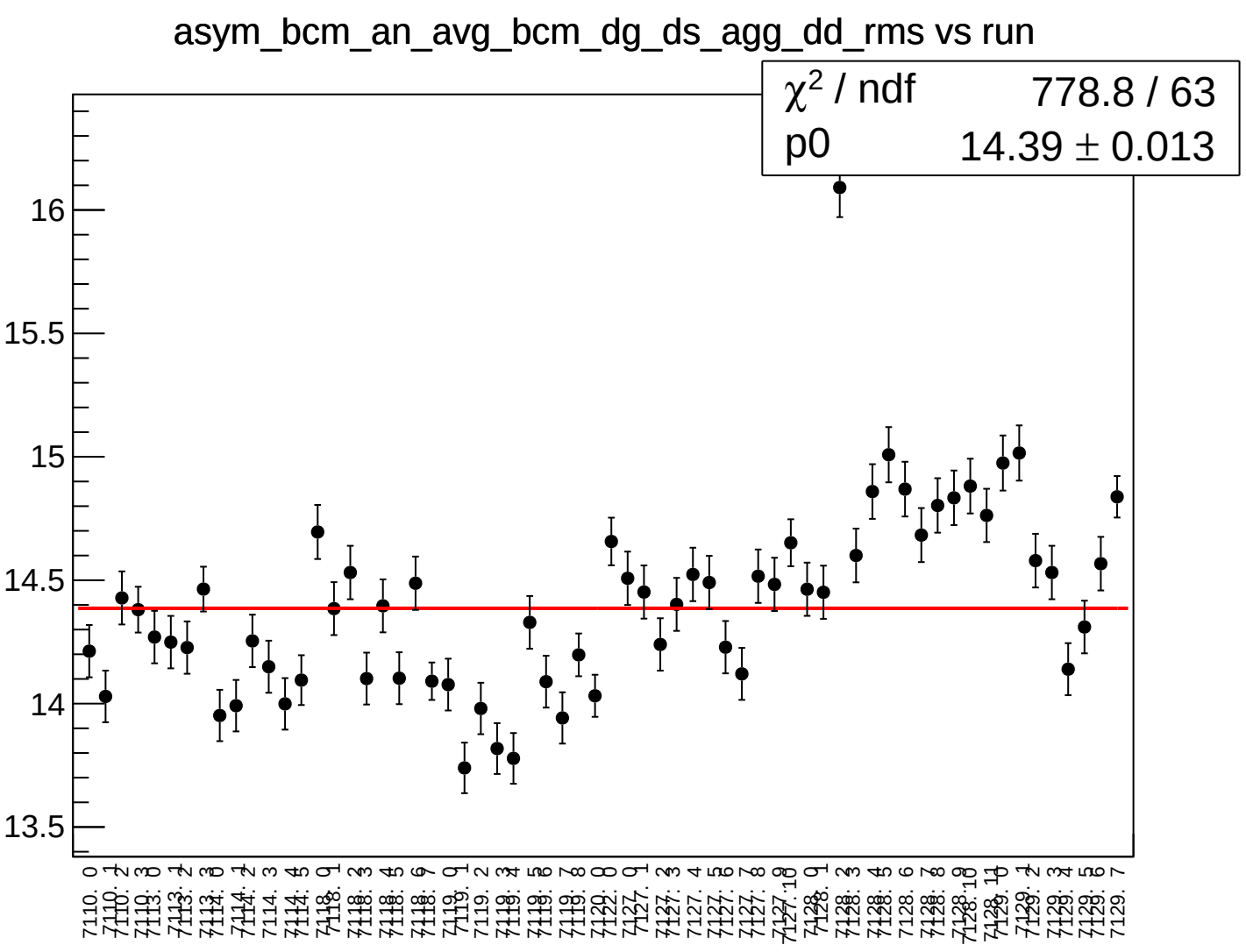

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.26 / 63
p0 −160.5 ± 259.1
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 397.4
Std Dev 0
1
0.5
0
−0.5
−1

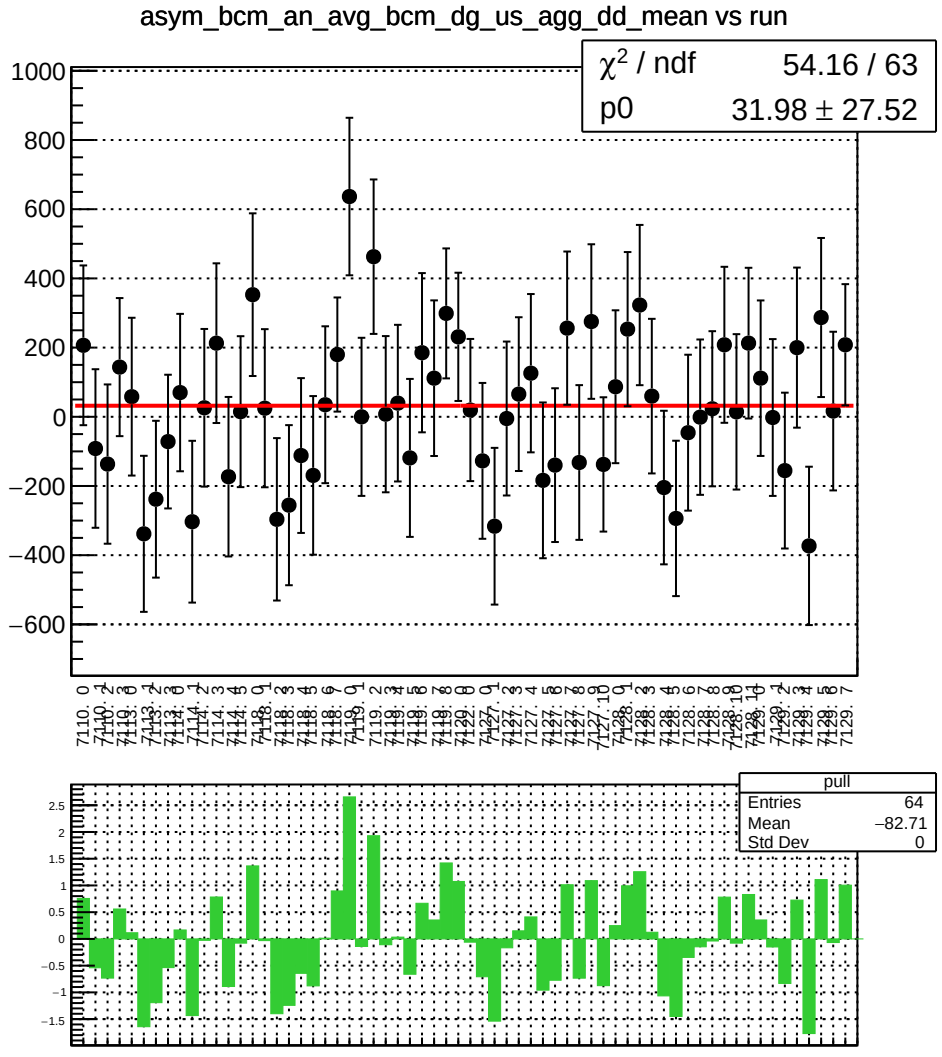

pull1D
Entries 64
Mean 0.0002849
Std Dev 0.3804
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

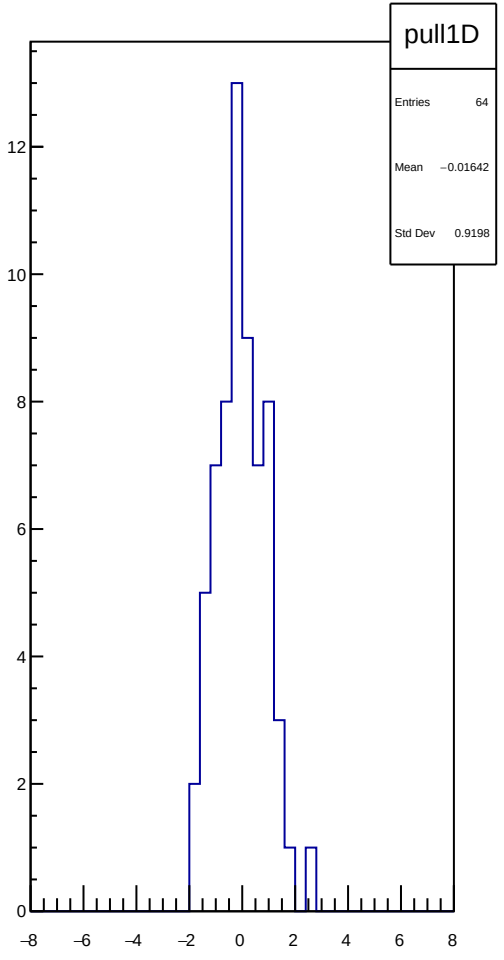

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.113e+04 / 63
p0 201.1 ± 0.1832
400
350
300
250
200
150

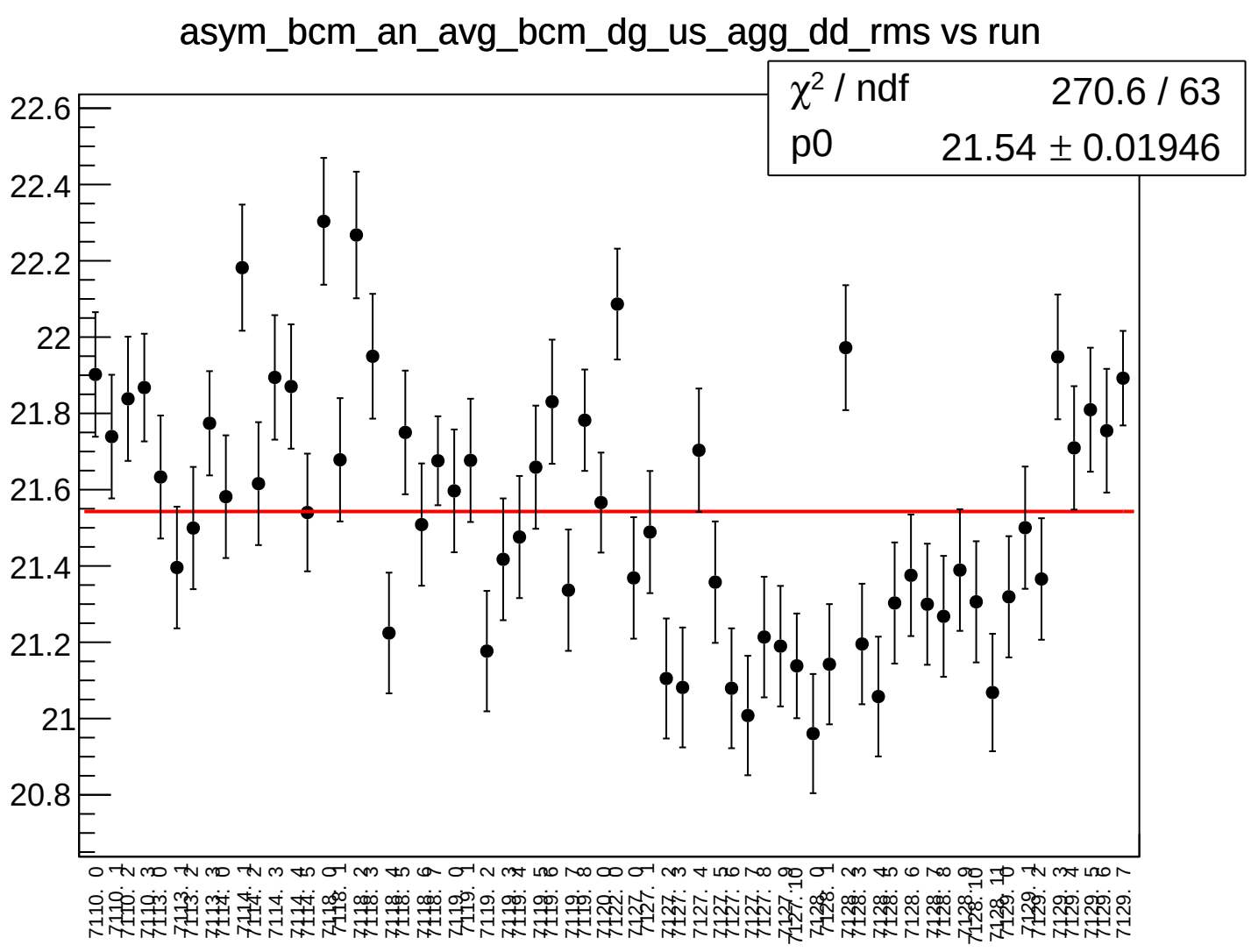

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 67.66 / 63
p0 −8.766 ± 18.38
pull
Entries 64
Mean 327.8
Std Dev 0

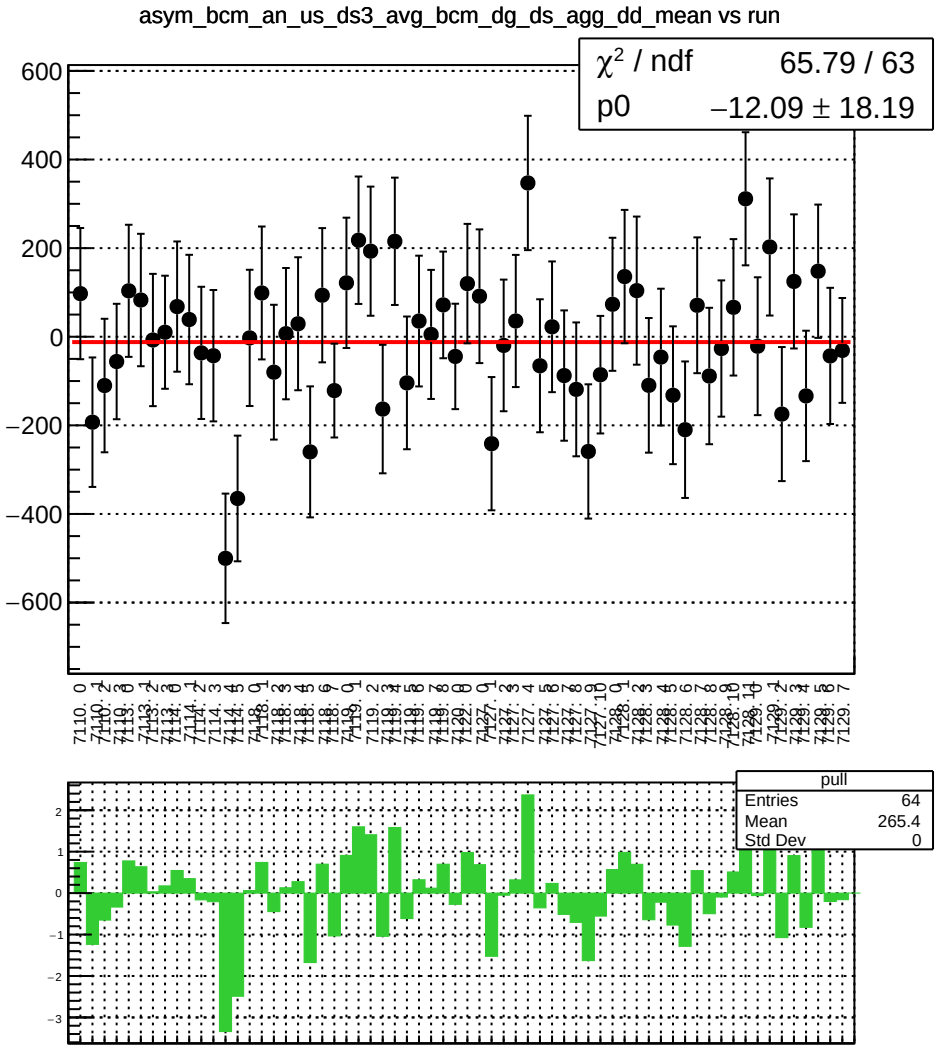

pull1D
Entries 64
Mean 0.008893
Std Dev 1.028

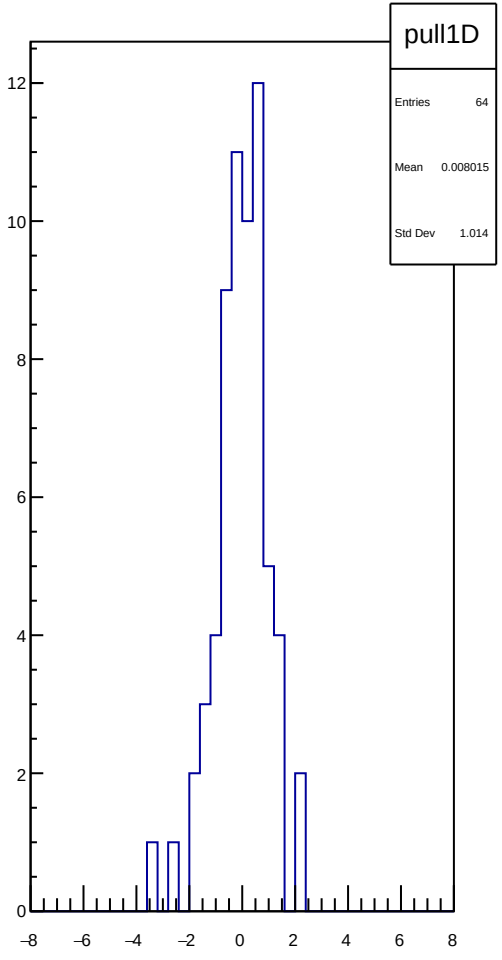

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 778.8 / 63
p0 14.39 ± 0.013
16
15.5
15
14.5
14
13.5

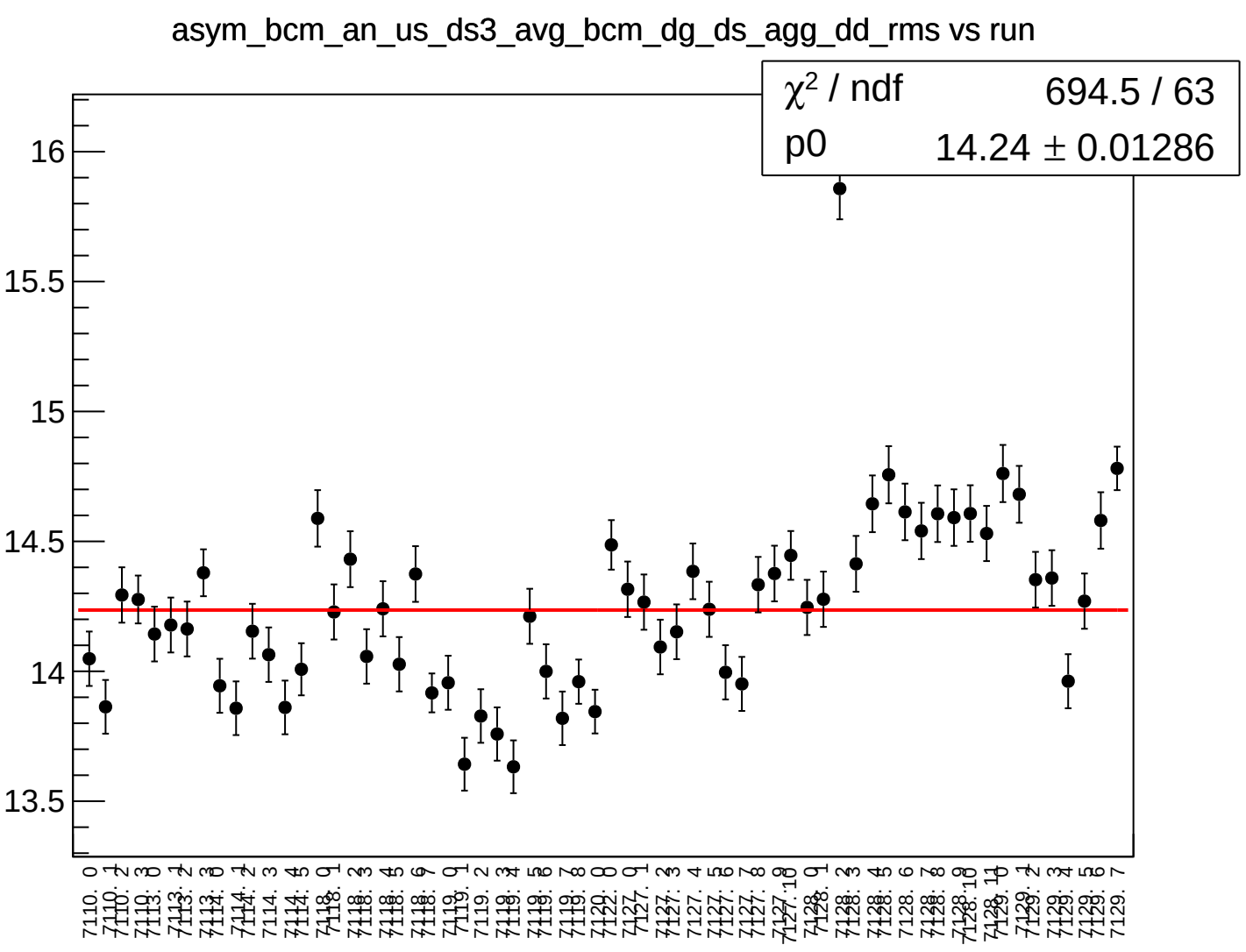

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 54.16 / 63
p0 31.98 ± 27.52
pull
Entries 64
Mean −82.71
Std Dev 0

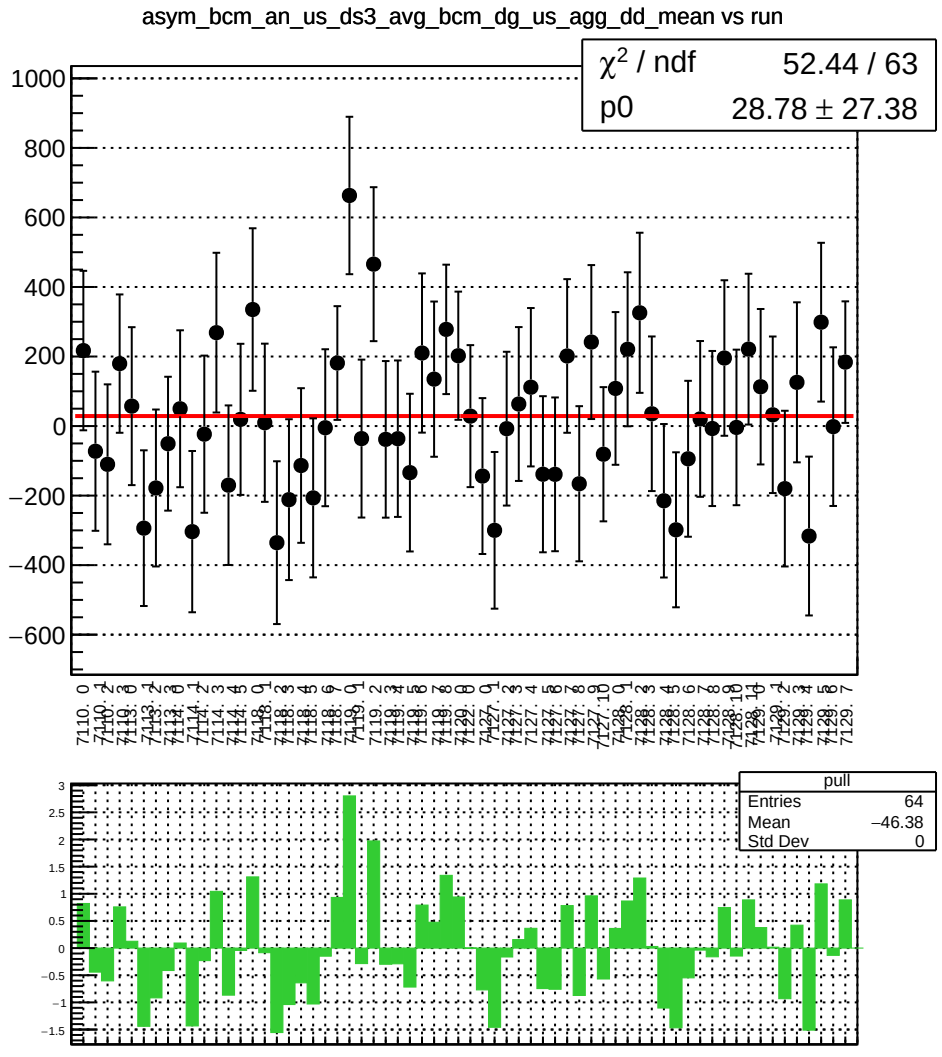

pull1D
Entries 64
Mean −0.01642
Std Dev 0.9198

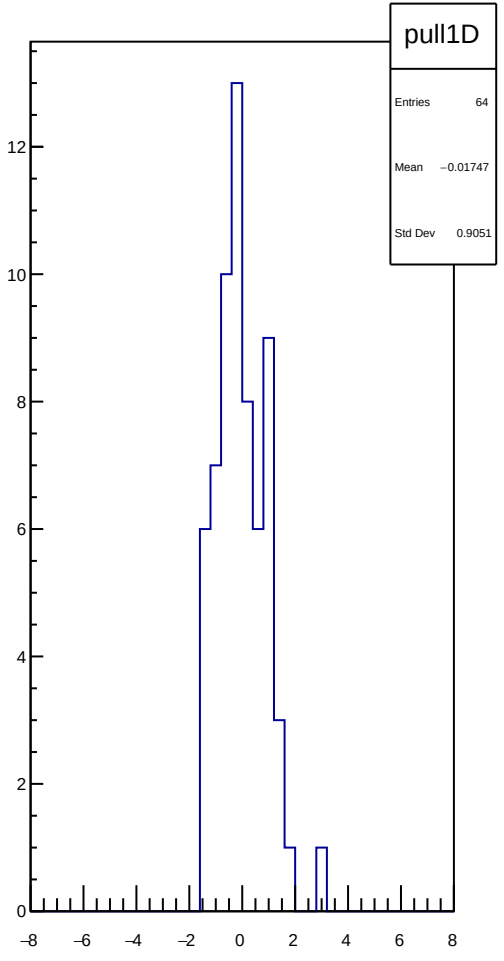

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 270.6 / 63
p0 21.54 ± 0.01946
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
21
20.8

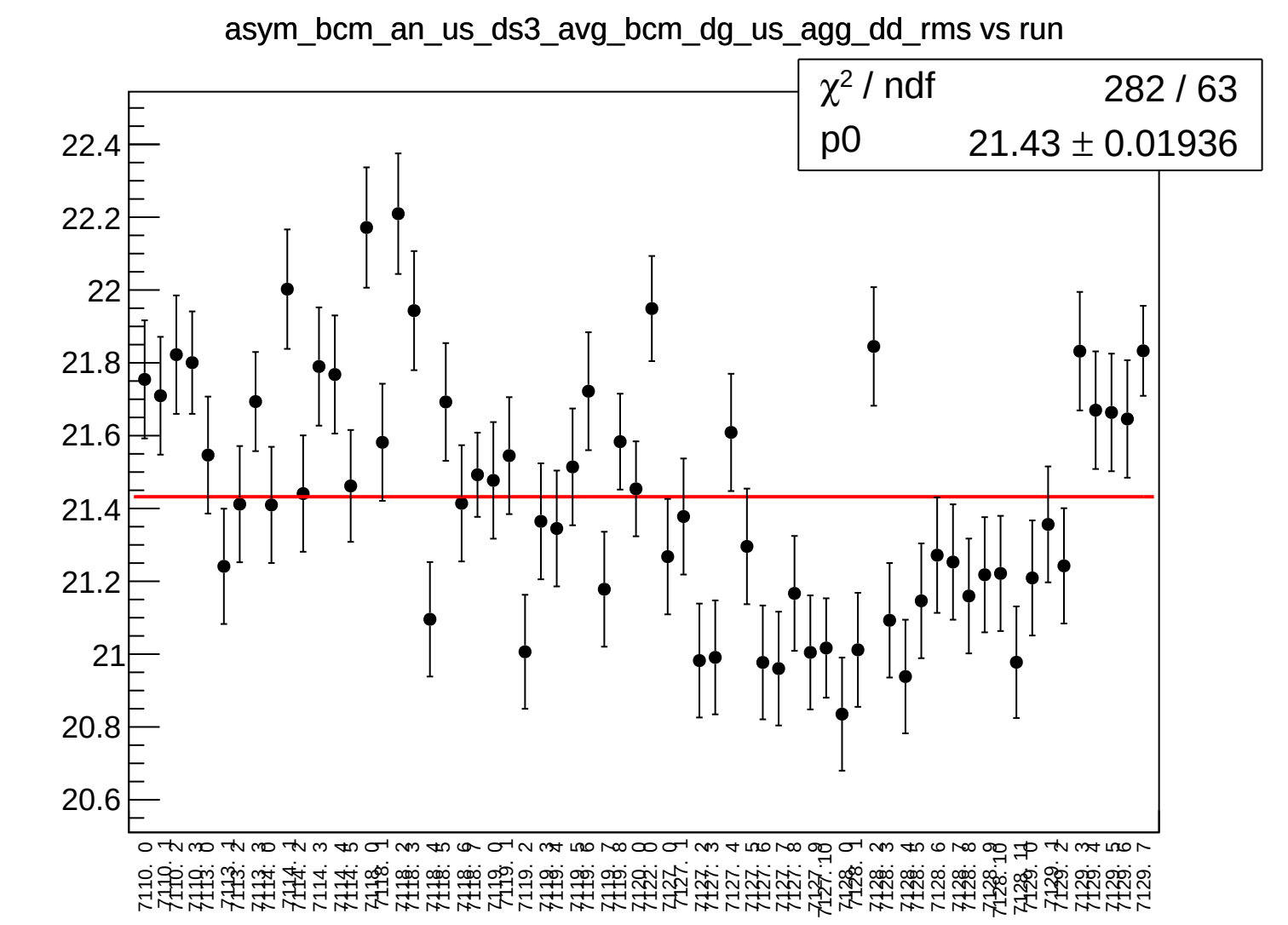

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 65.79 / 63
p0 −12.09 ± 18.19
pull
Entries 64
Mean 265.4
Std Dev 0

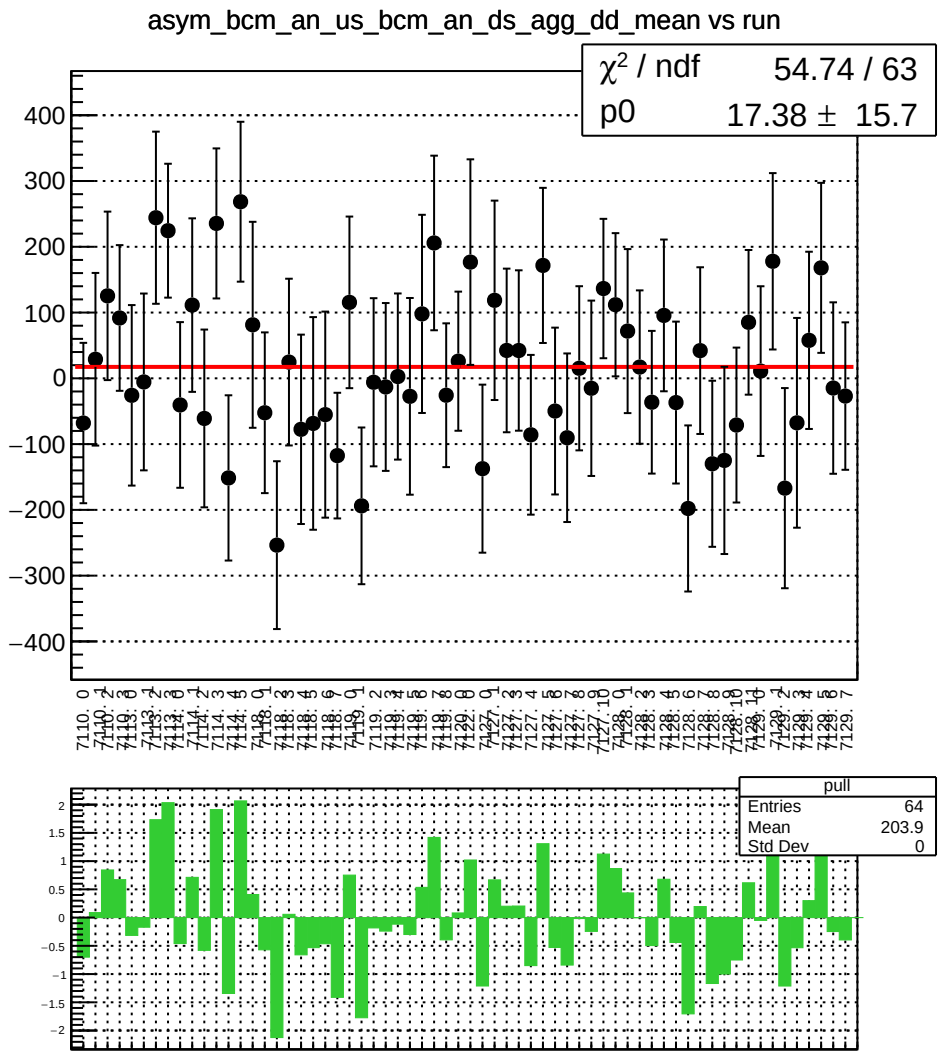

pull1D
Entries 64
Mean 0.008015
Std Dev 1.014

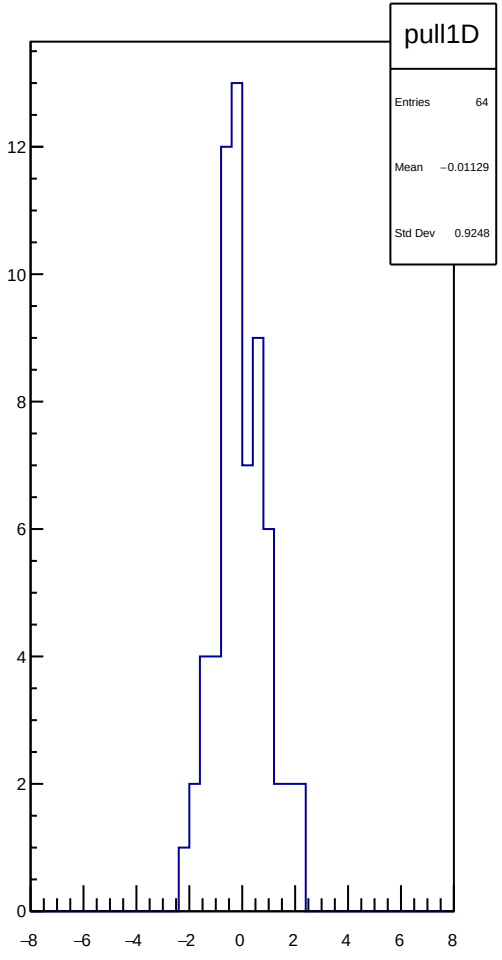

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 694.5 / 63
p0 14.24 ± 0.01286
16
15.5
15
14.5
14
13.5

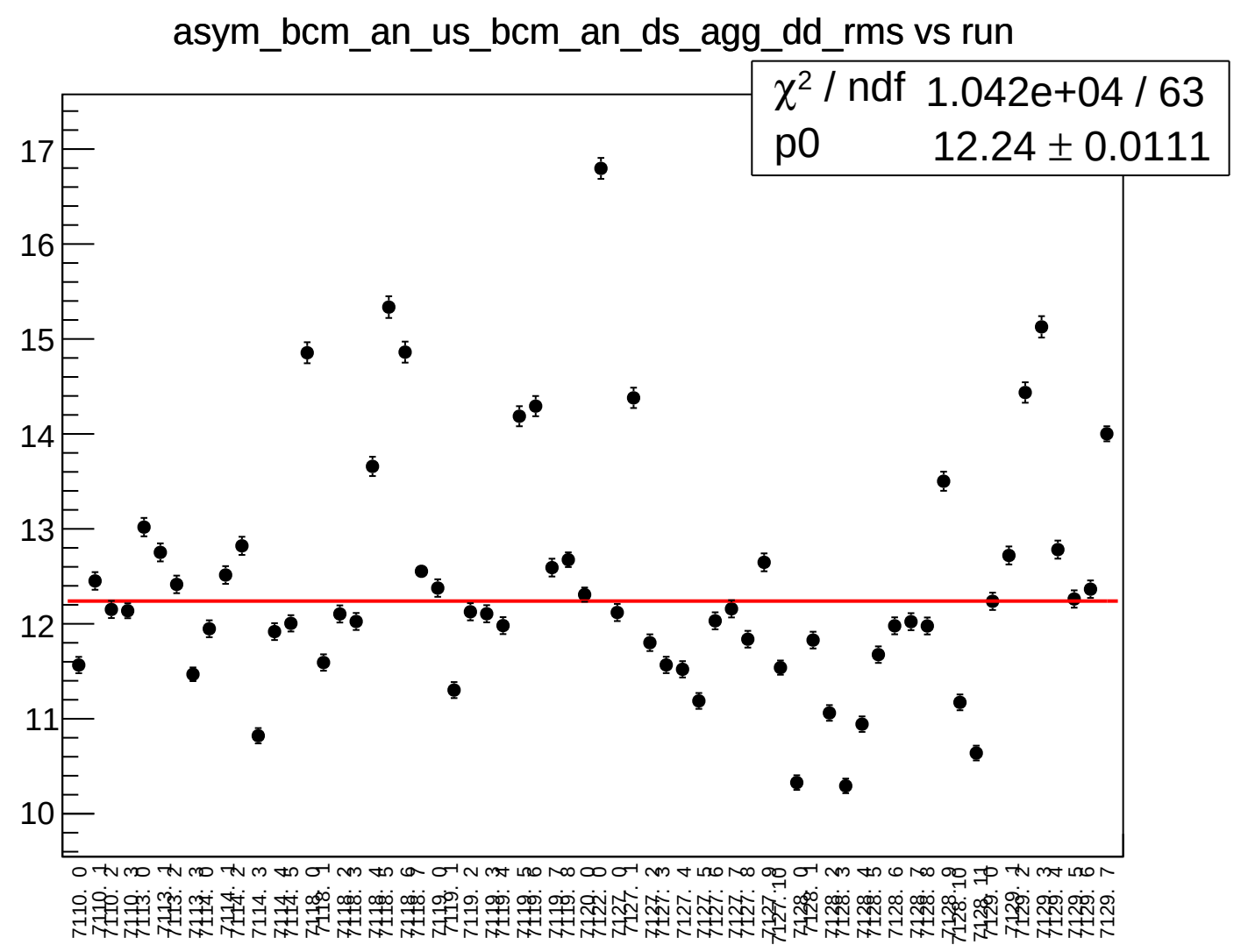

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 52.44 / 63
p0 28.78 ± 27.38
pull
Entries 64
Mean −46.38
Std Dev 0

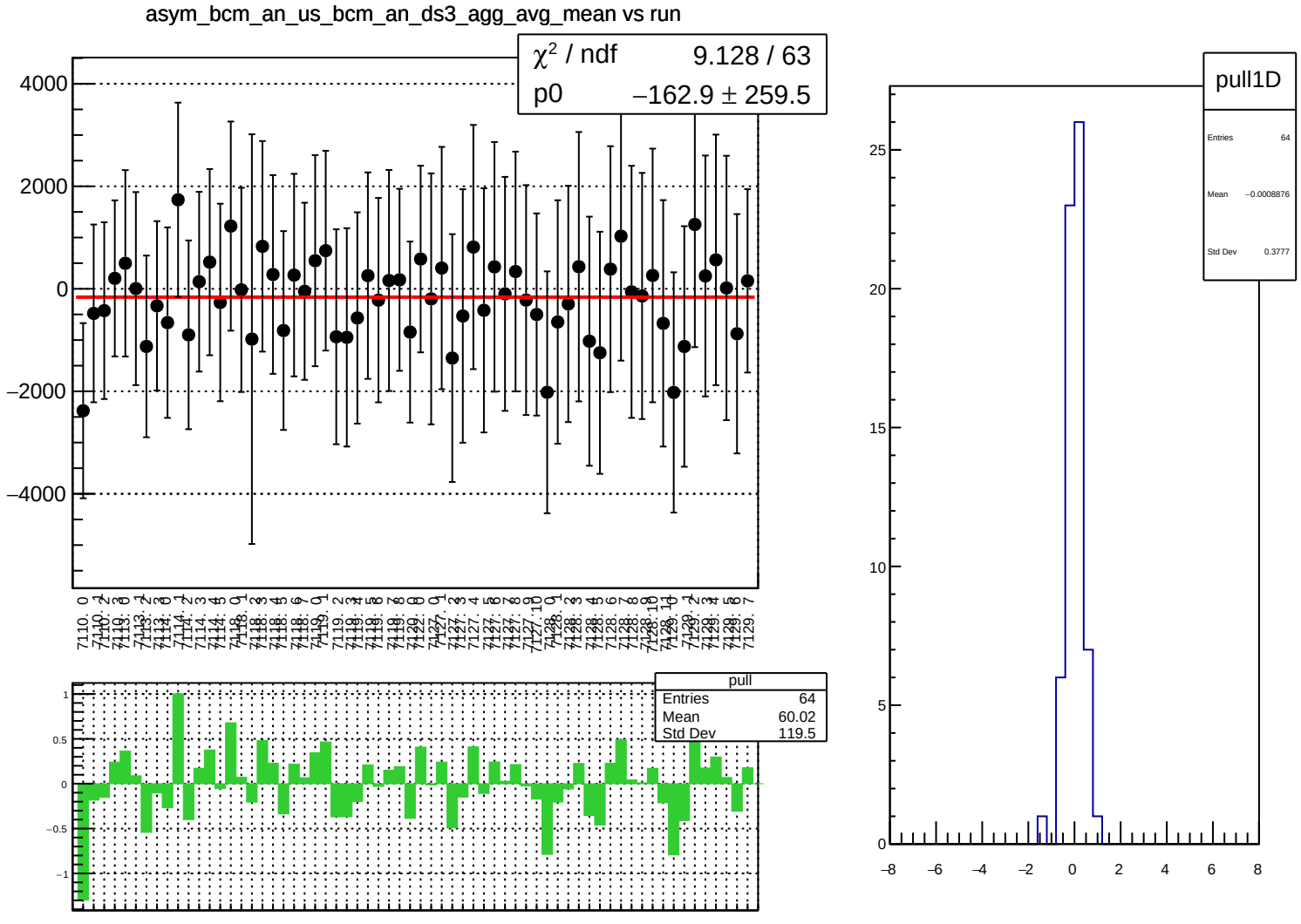

pull1D
Entries 64
Mean −0.01747
Std Dev 0.9051

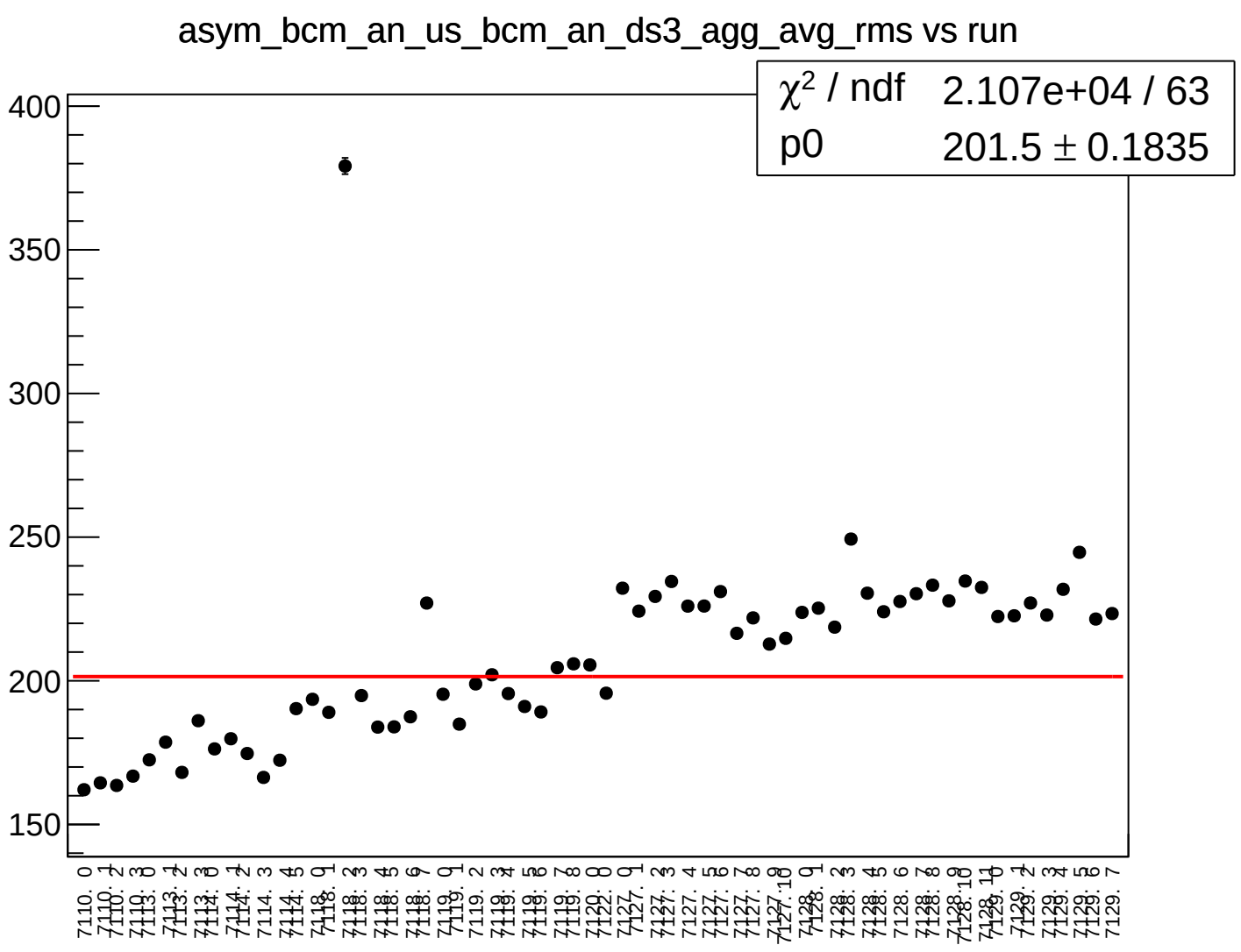

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 282 / 63
p0 21.43 ± 0.01936
22.4
22.2
22
21.8
21.6
21.4
21.2
21
20.8
20.6

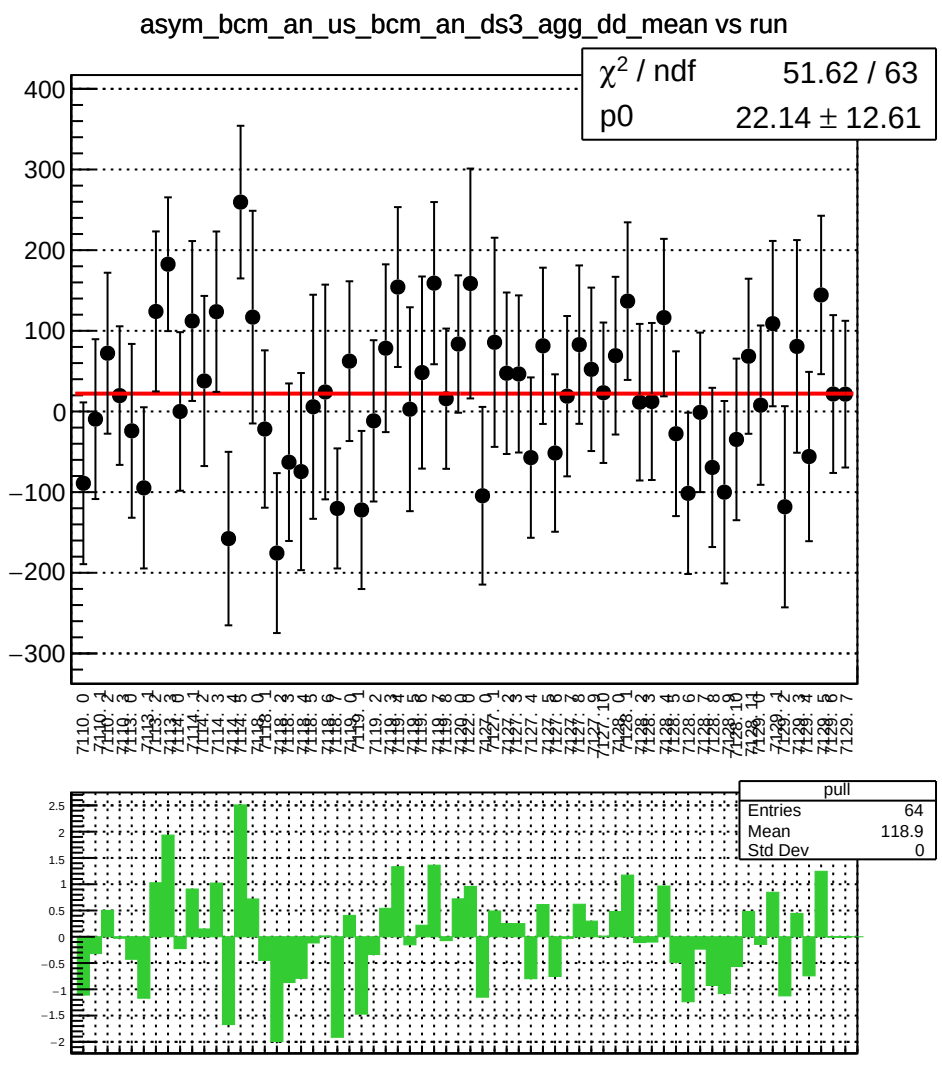

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 54.74 / 63
p0 17.38 ± 15.7
pull
Entries 64
Mean 203.9
Std Dev 0

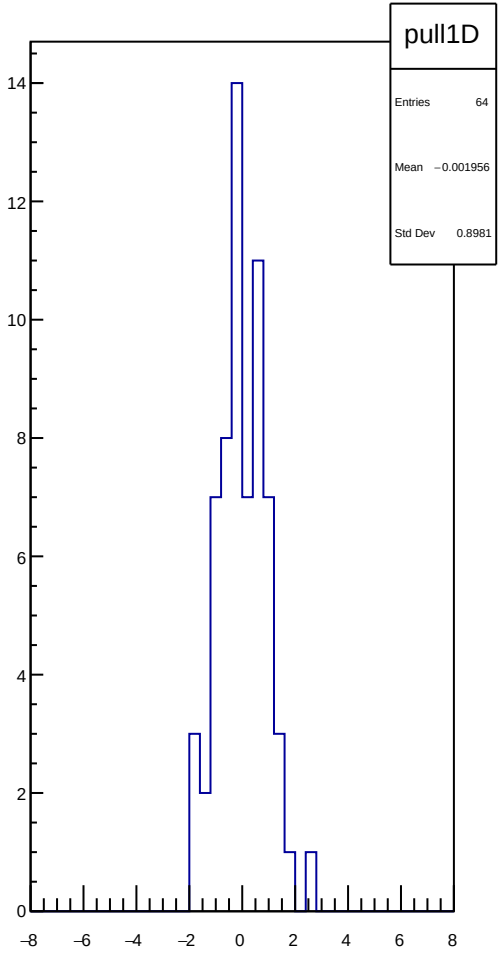

pull1D
Entries 64
Mean −0.01129
Std Dev 0.9248

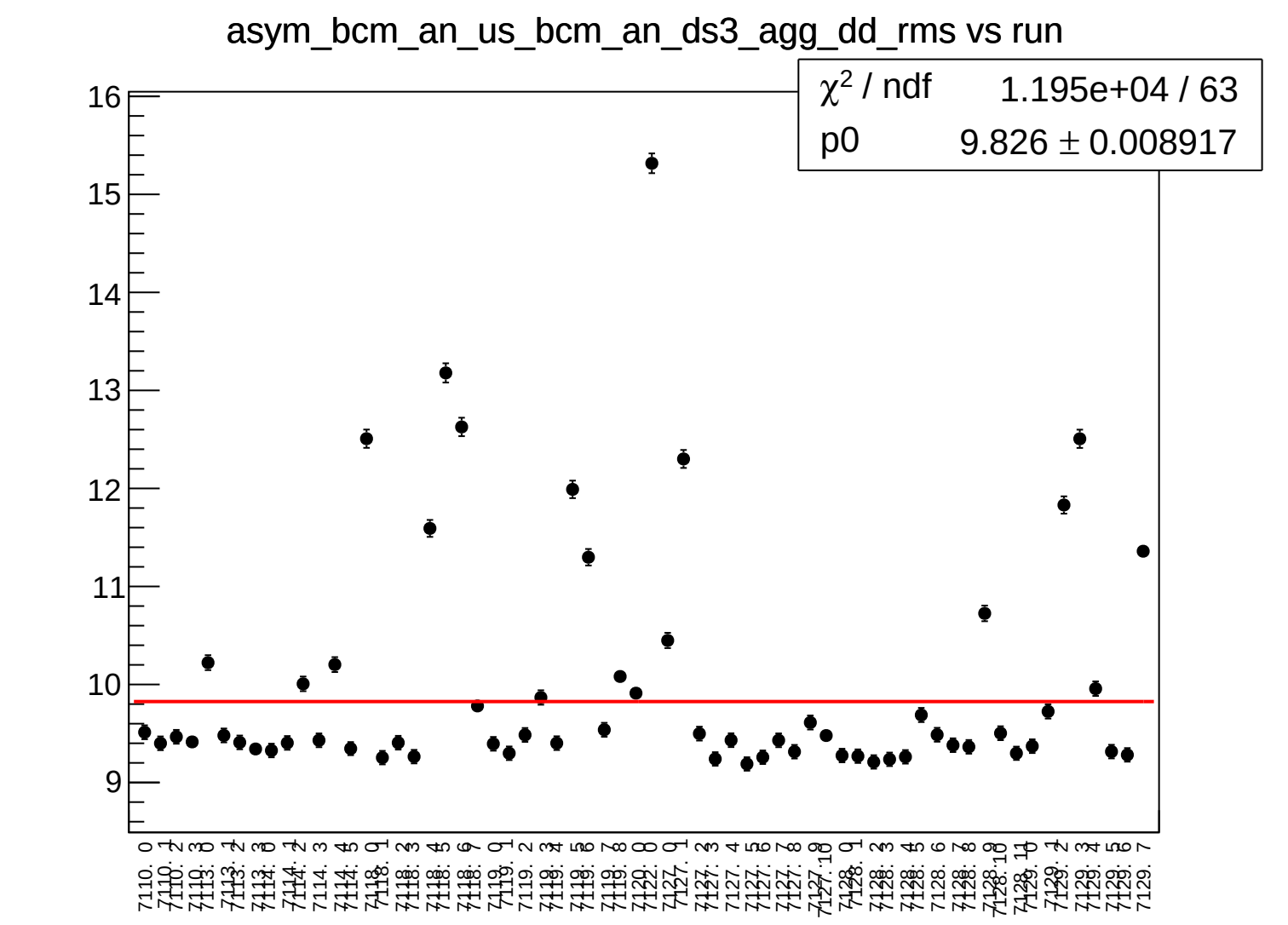

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.042e+04 / 63
p0 12.24 ± 0.0111
17
16
15
14
13
12
11
10

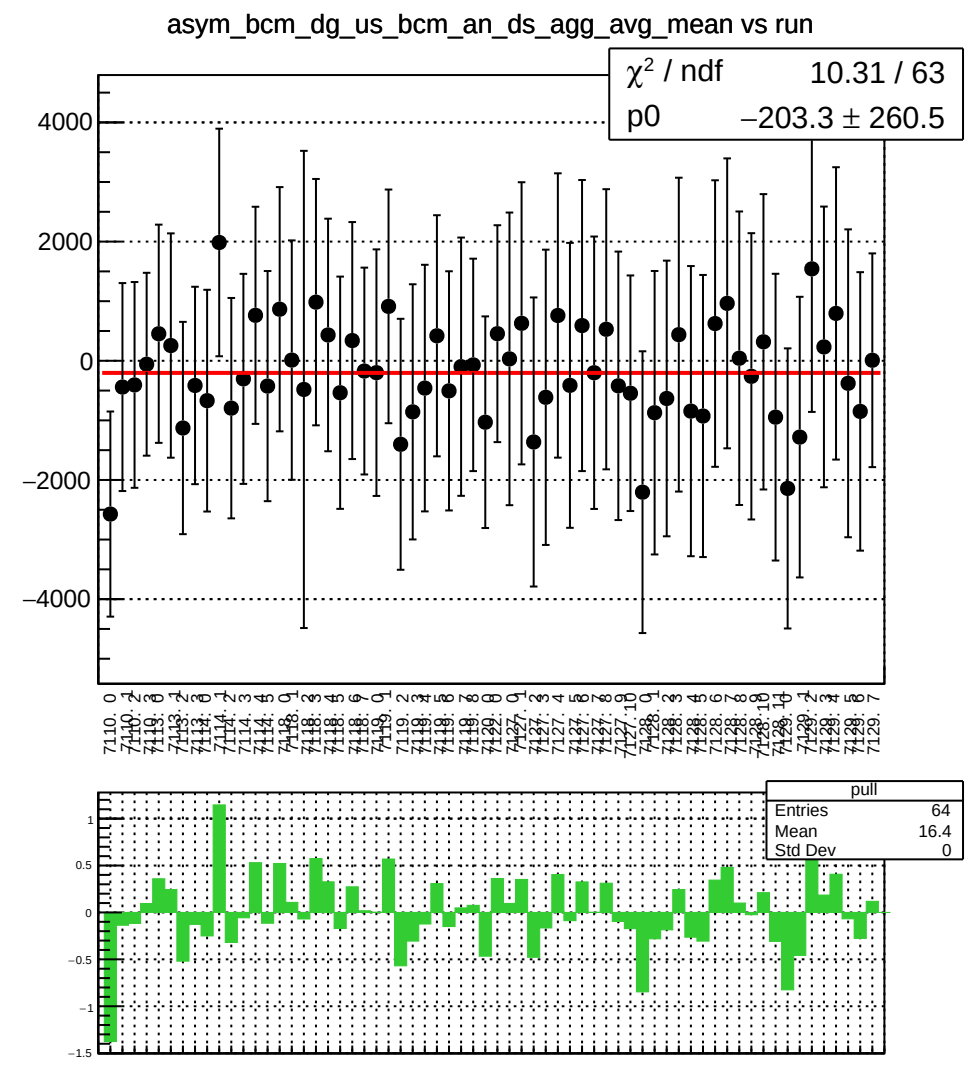

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 9.128 / 63
p0 −162.9 ± 259.5
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 60.02
Std Dev 119.5
1
0.5
0
−0.5
−1
pull1D
Entries 64
Mean −0.0008876
Std Dev 0.3777
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

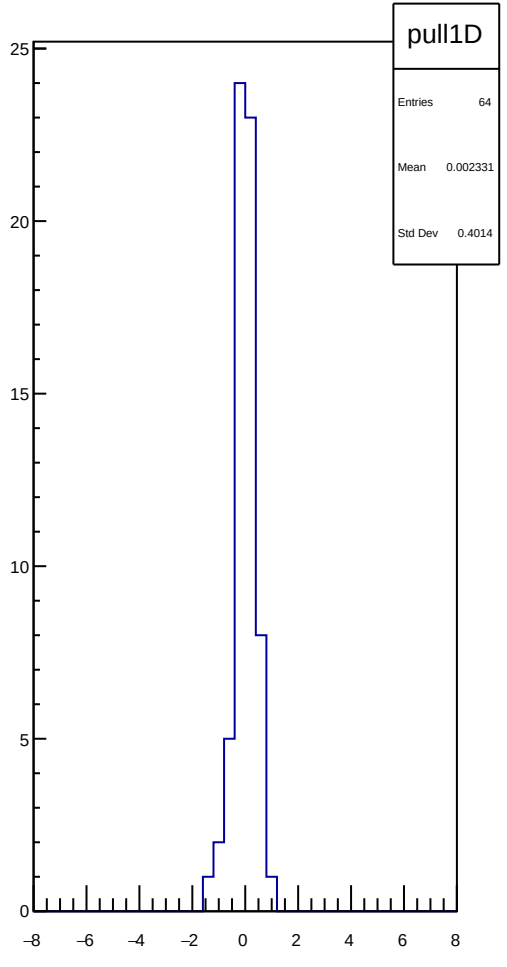

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 2.107e+04 / 63
p0 201.5 ± 0.1835
400
350
300
250
200
150

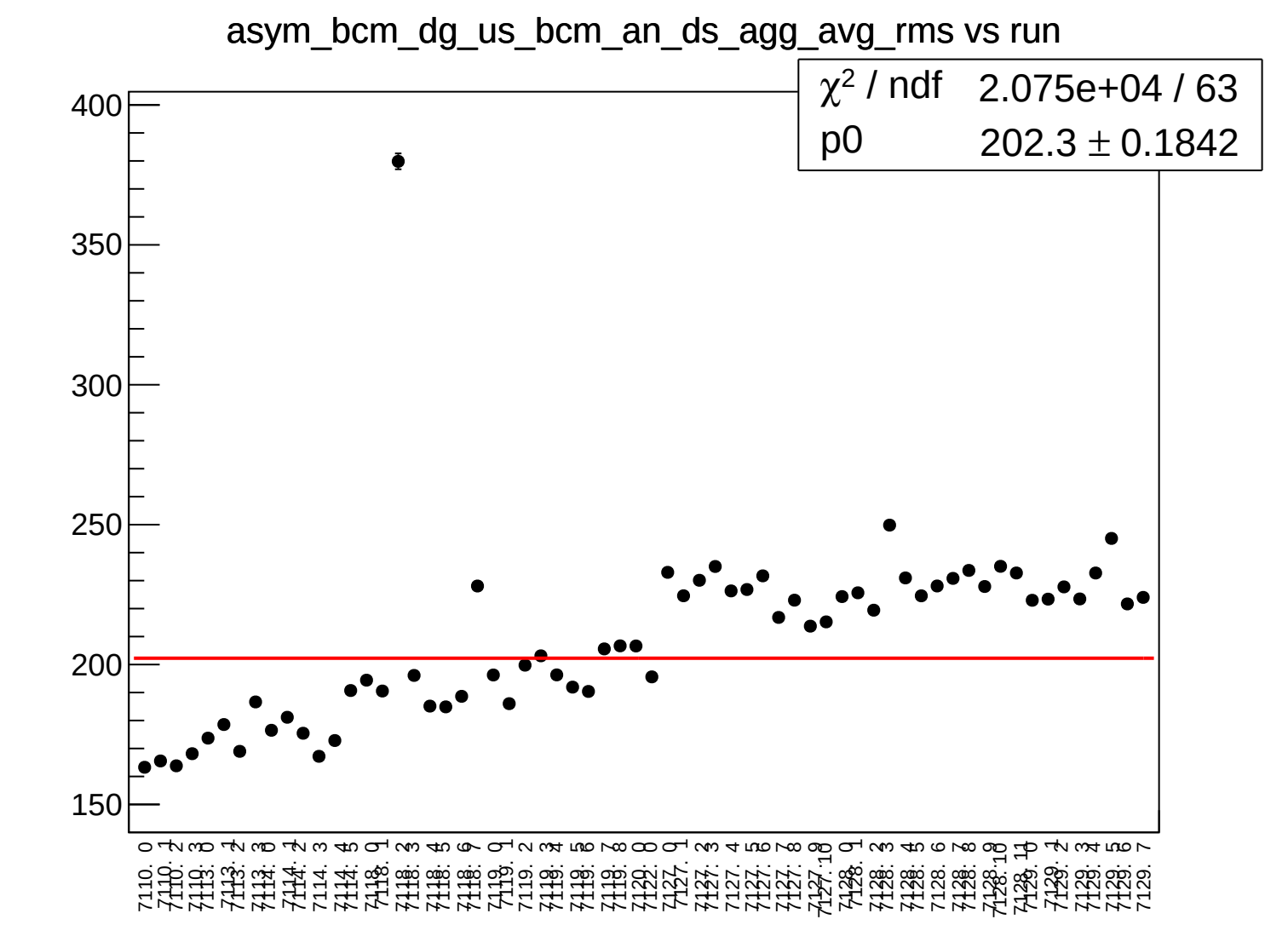

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 51.62 / 63
p0 22.14 ± 12.61
pull
Entries 64
Mean 118.9
Std Dev 0

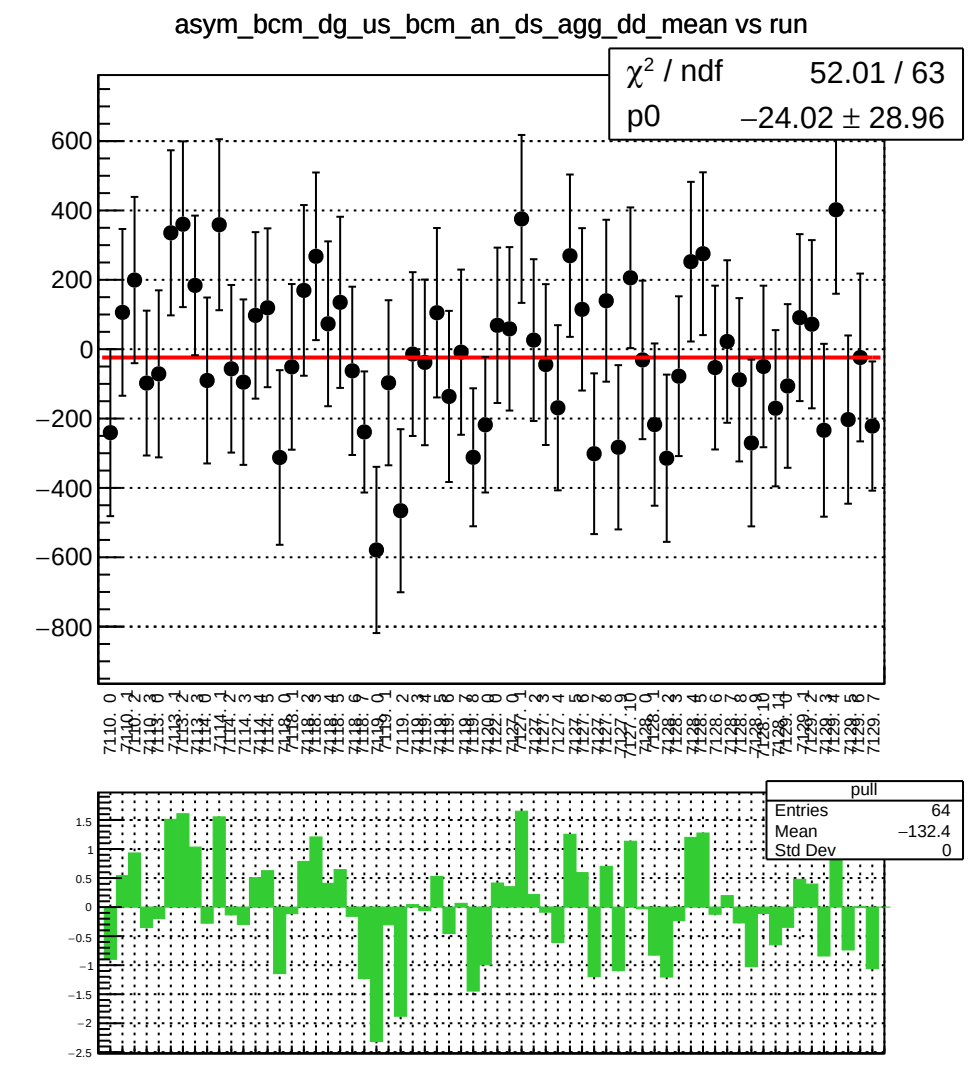

pull1D
Entries 64
Mean −0.001956
Std Dev 0.8981

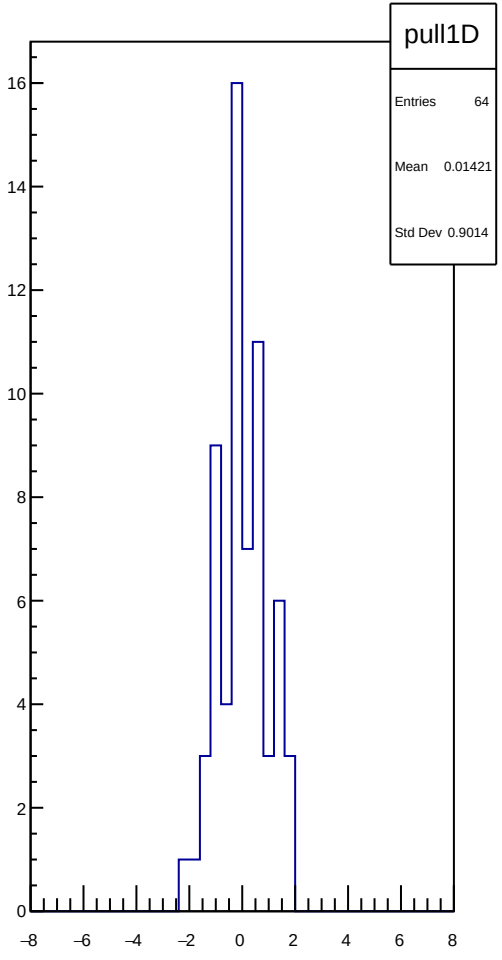

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.195e+04 / 63
p0 9.826 ± 0.008917
16
15
14
13
12
11
10
9

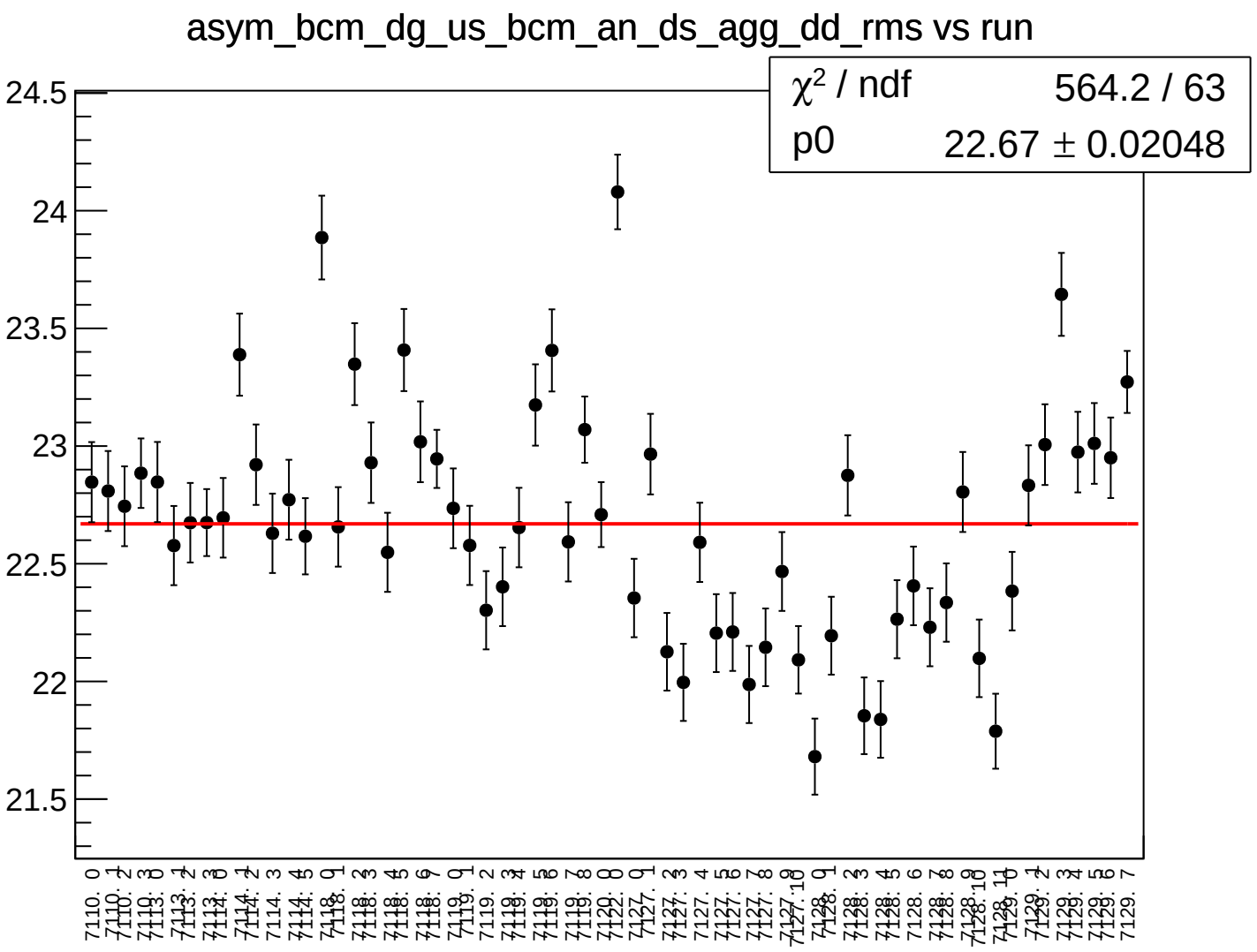

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.31 / 63
p0 −203.3 ± 260.5
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 16.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

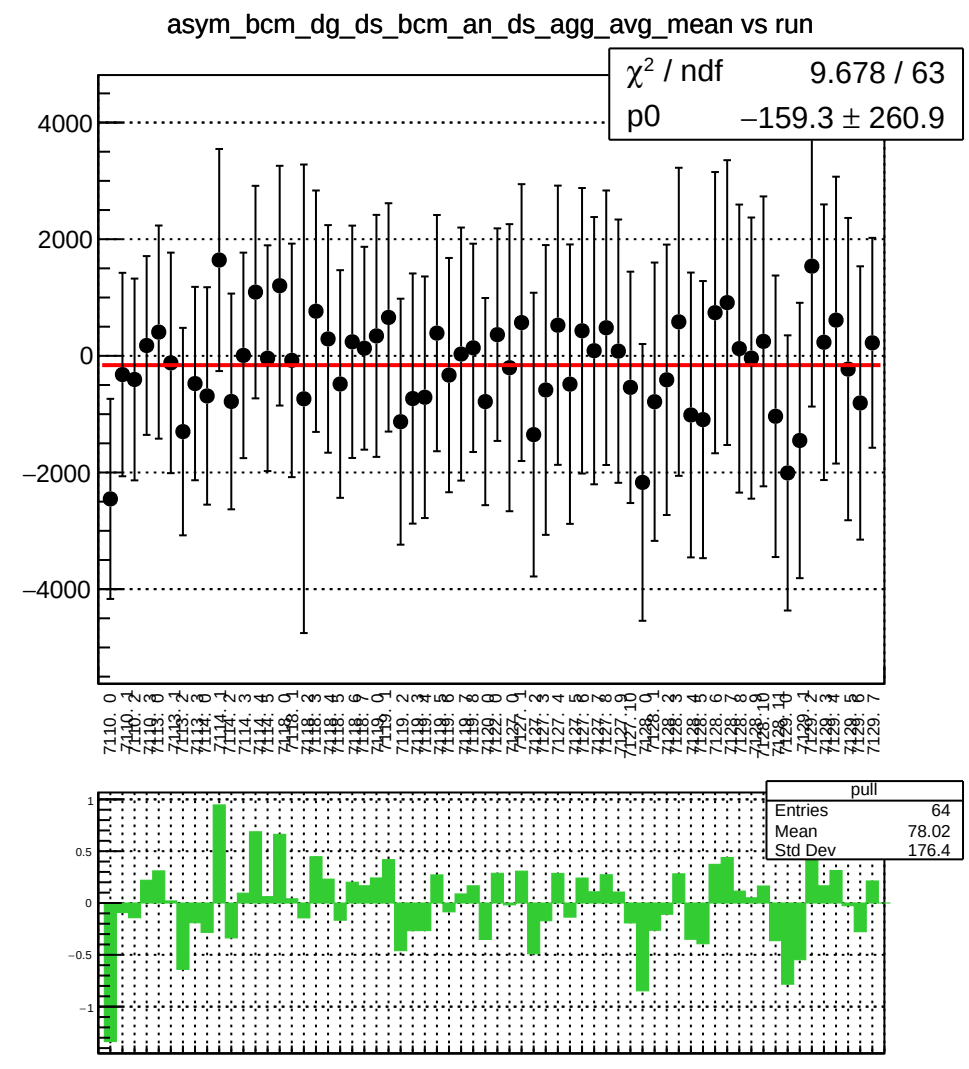

pull1D
Entries 64
Mean 0.002331
Std Dev 0.4014
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

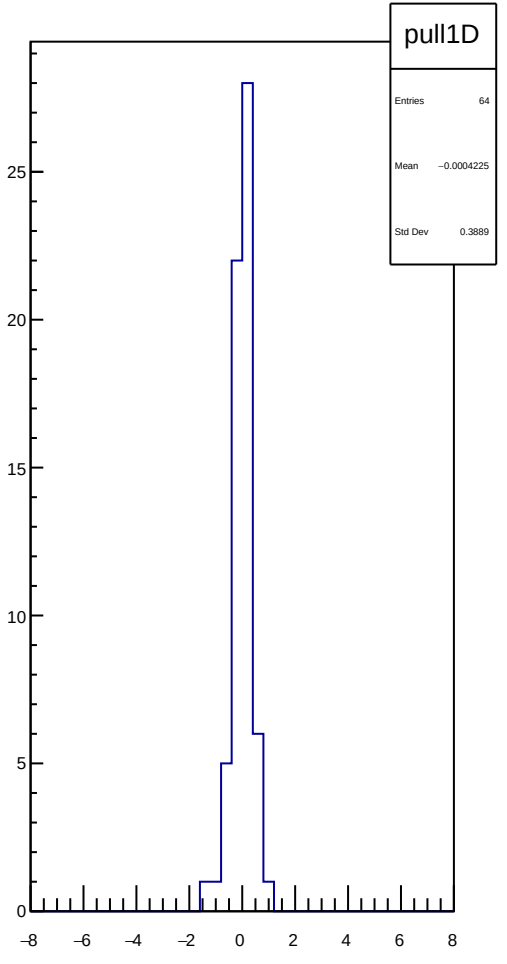

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.075e+04 / 63
p0 202.3 ± 0.1842
400
350
300
250
200
150

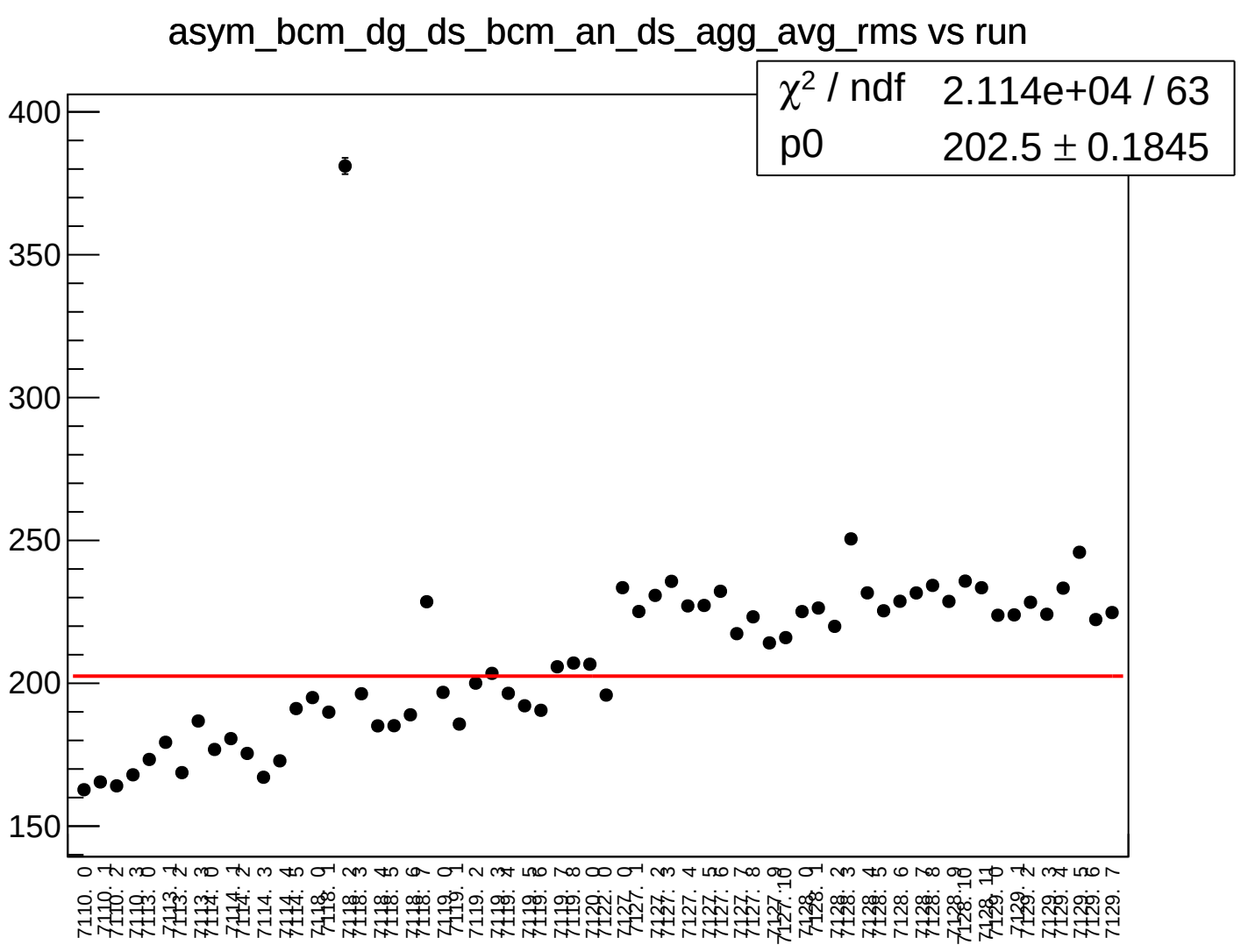

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 52.01 / 63
p0 −24.02 ± 28.96
pull
Entries 64
Mean −132.4
Std Dev 0

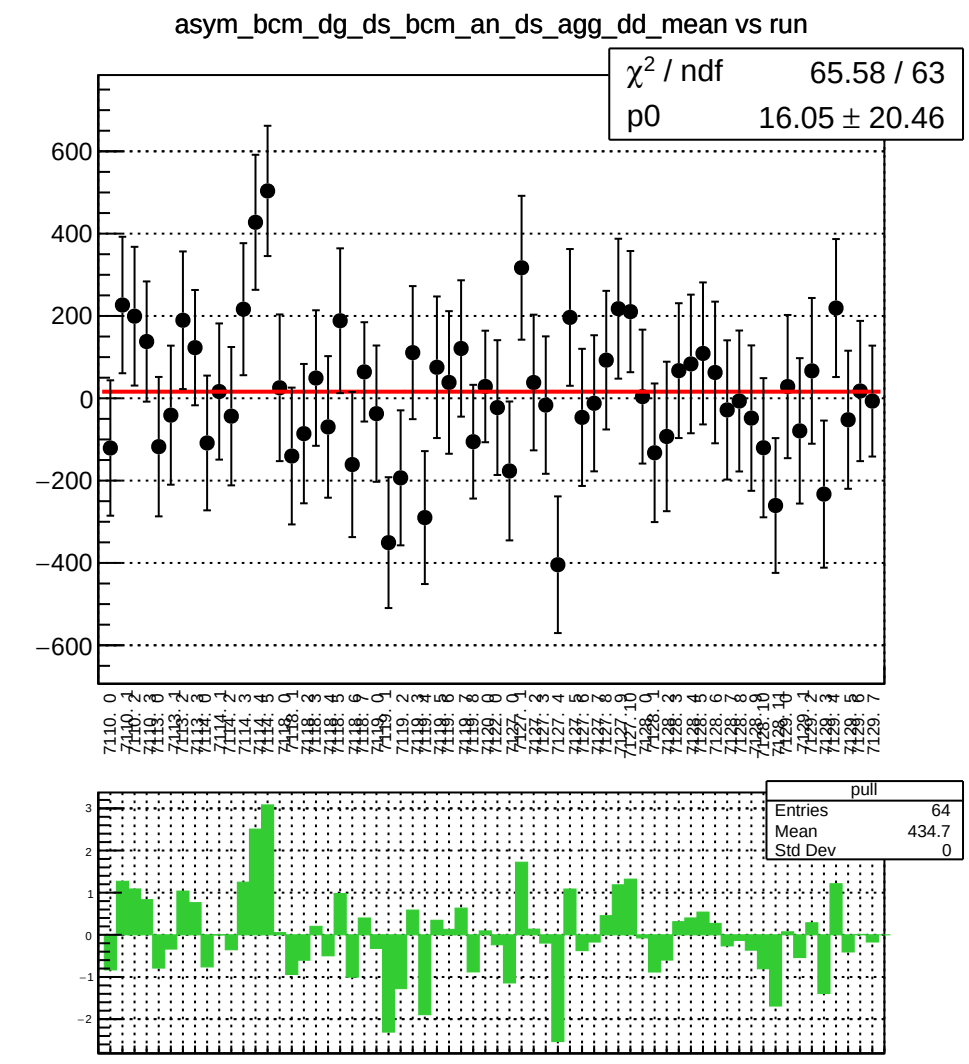

pull1D
Entries 64
Mean 0.01421
Std Dev 0.9014

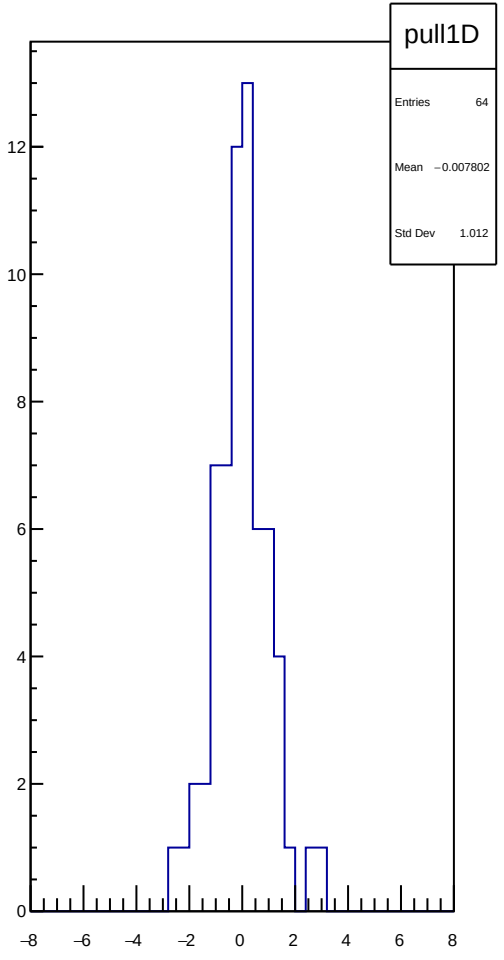

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 564.2 / 63
p0 22.67 ± 0.02048
24.5
24
23.5
23
22.5
22
21.5

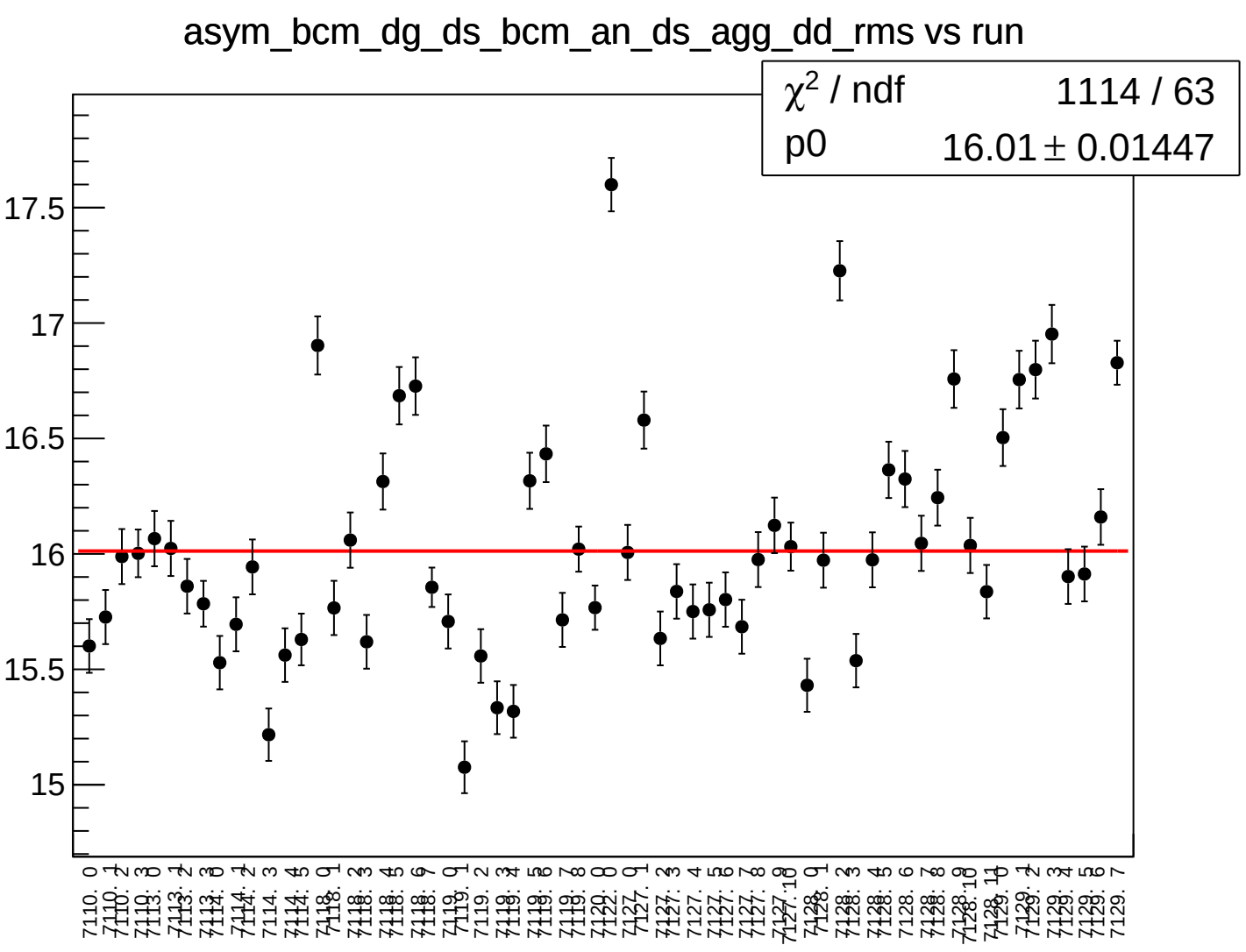

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.678 / 63
p0 −159.3 ± 260.9
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 78.02
Std Dev 176.4
1
0.5
0
−0.5
−1

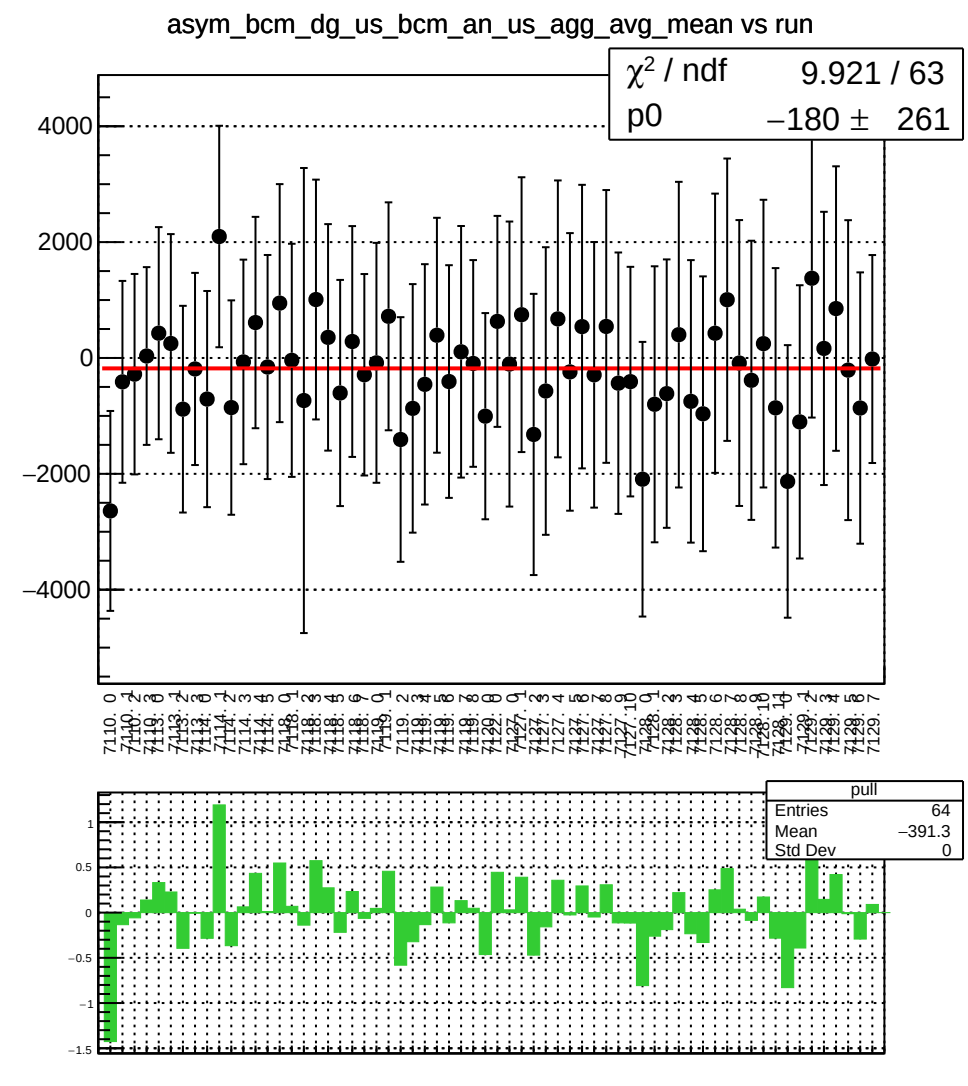

pull1D
Entries 64
Mean −0.0004225
Std Dev 0.3889
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

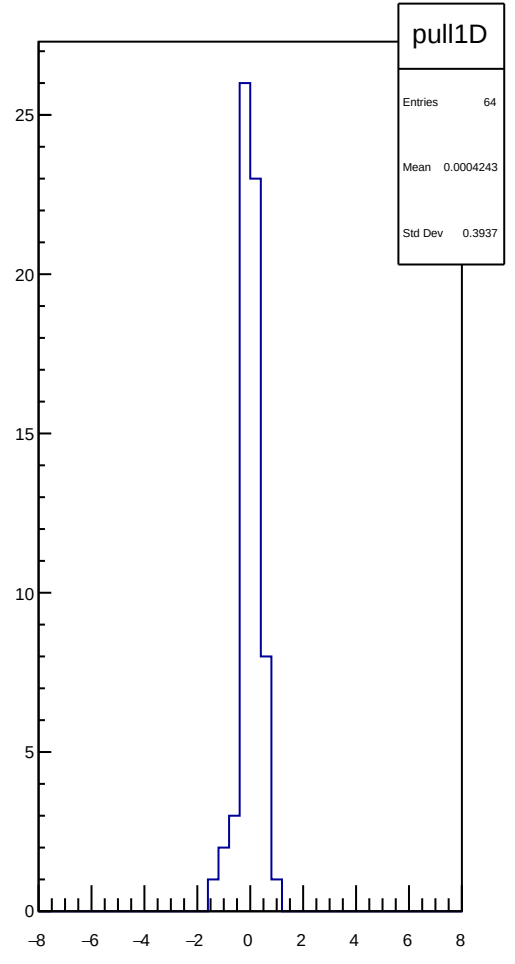

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.114e+04 / 63
p0 202.5 ± 0.1845
400
350
300
250
200
150

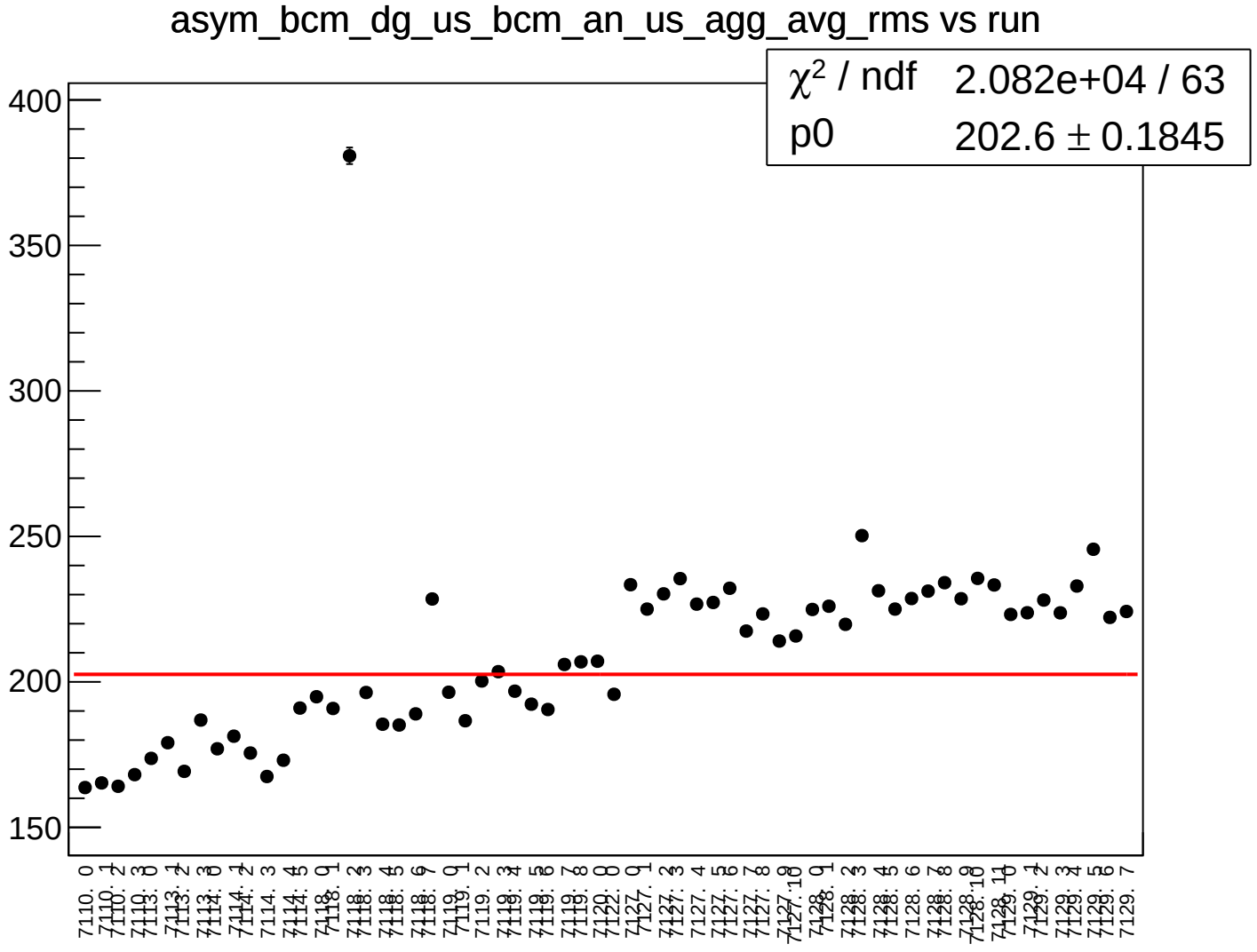

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 65.58 / 63
p0 16.05 ± 20.46
pull
Entries 64
Mean 434.7
Std Dev 0

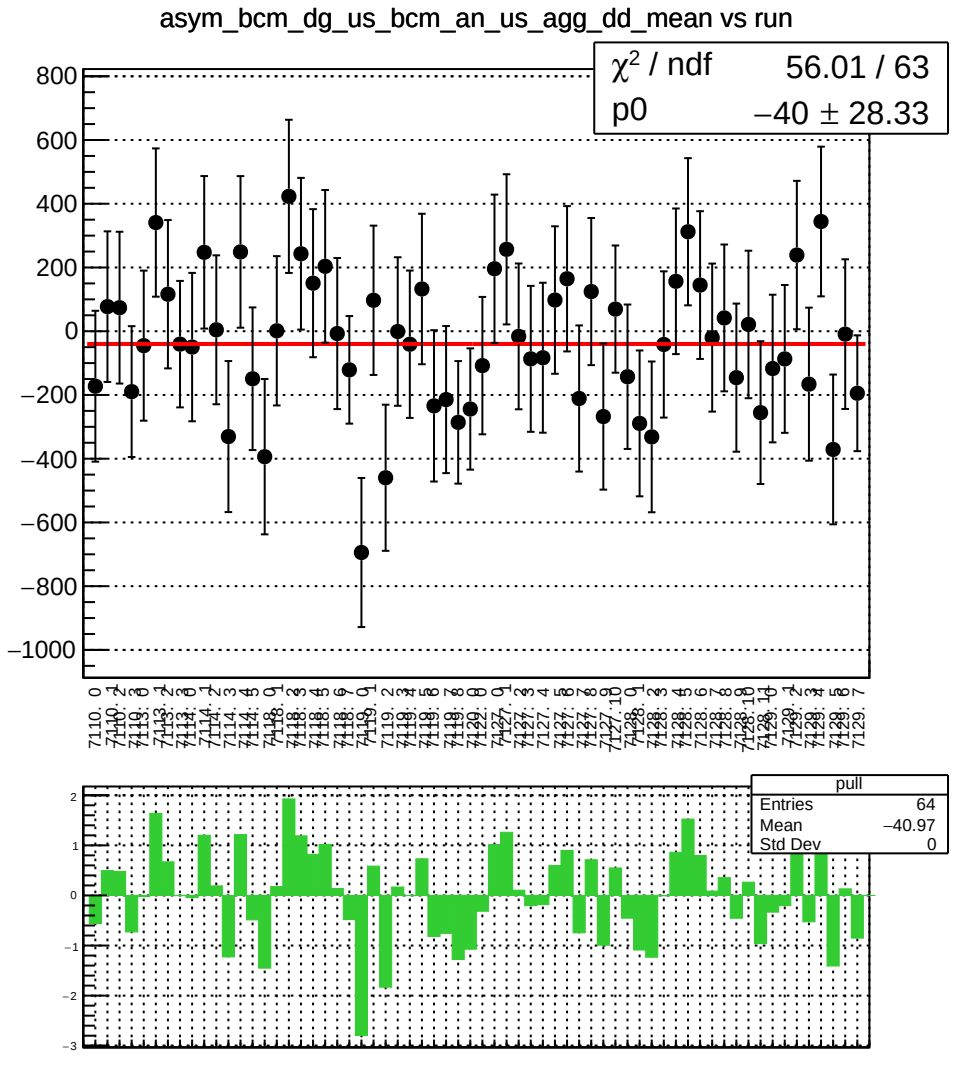

pull1D
Entries 64
Mean −0.007802
Std Dev 1.012

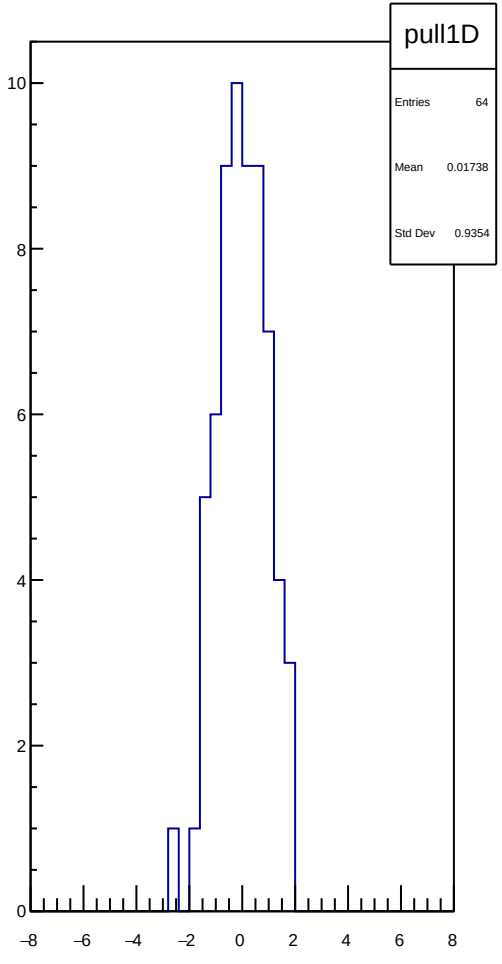

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1114 / 63
p0 16.01 ± 0.01447
17.5
17
16.5
16
15.5
15

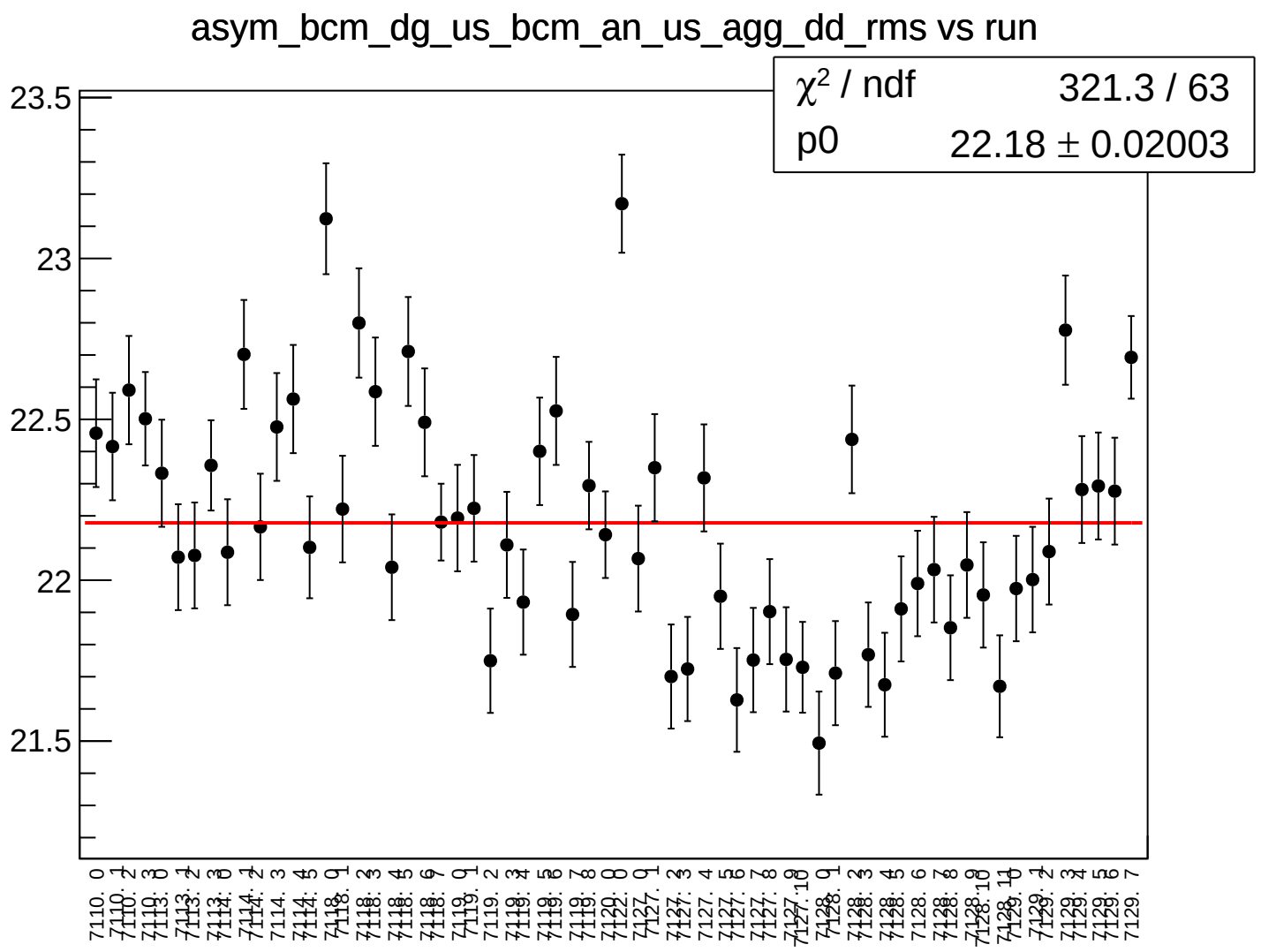

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 9.921 / 63
p0 −180 ± 261
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −391.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

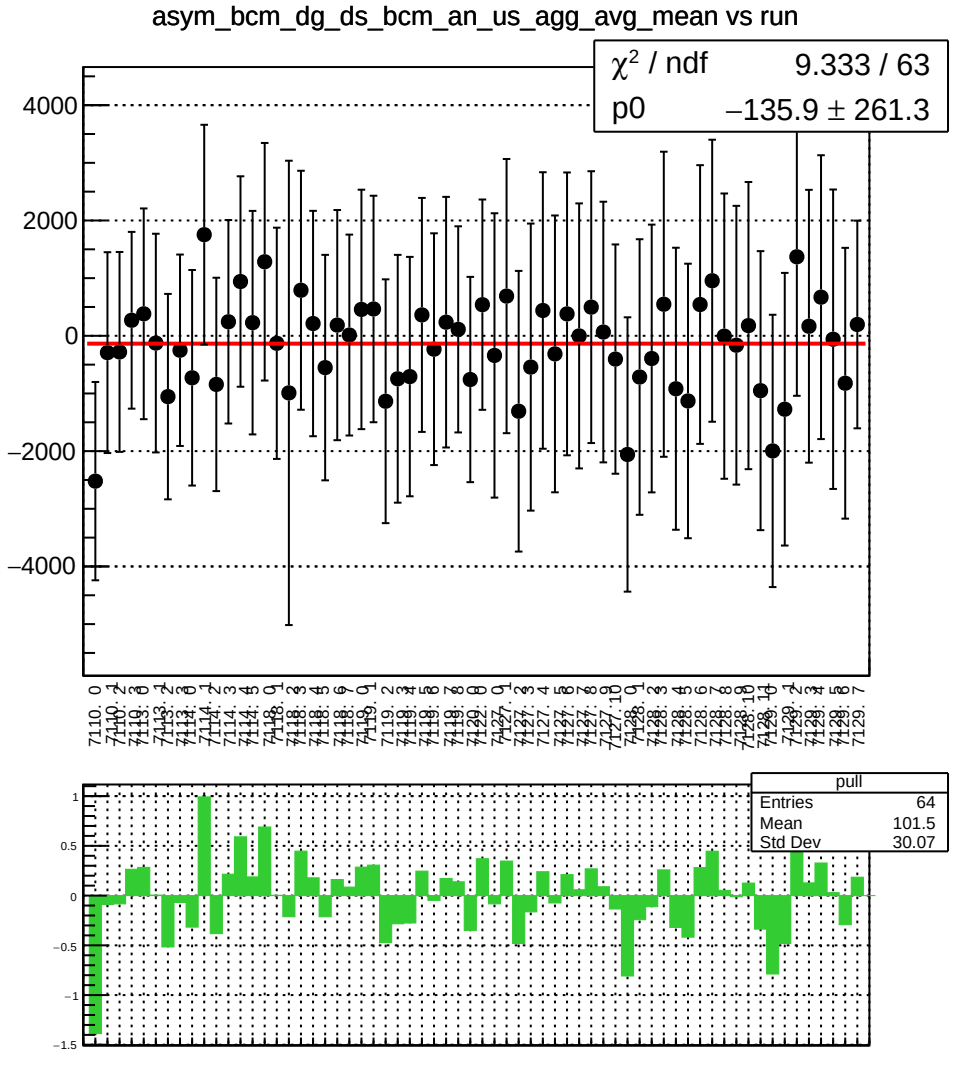

pull1D
Entries 64
Mean 0.0004243
Std Dev 0.3937
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

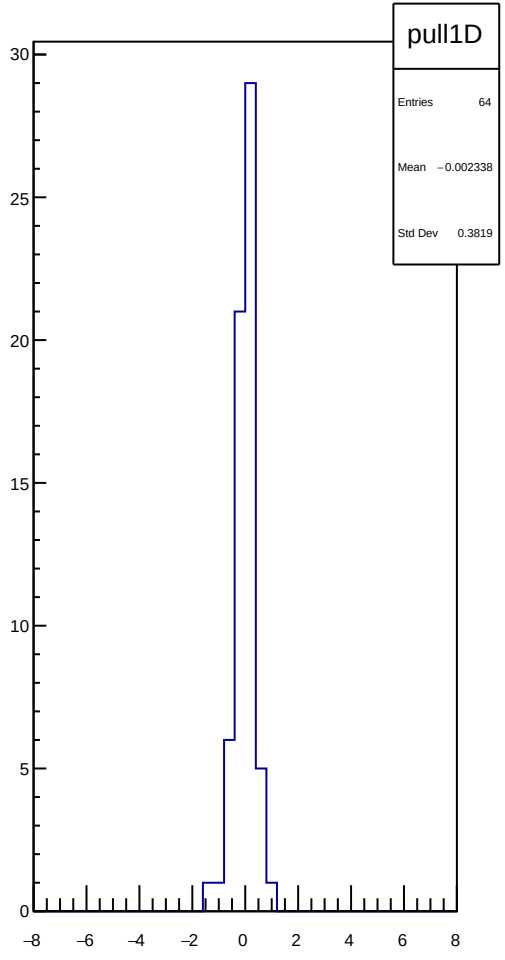

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.082e+04 / 63
p0 202.6 ± 0.1845
400
350
300
250
200
150

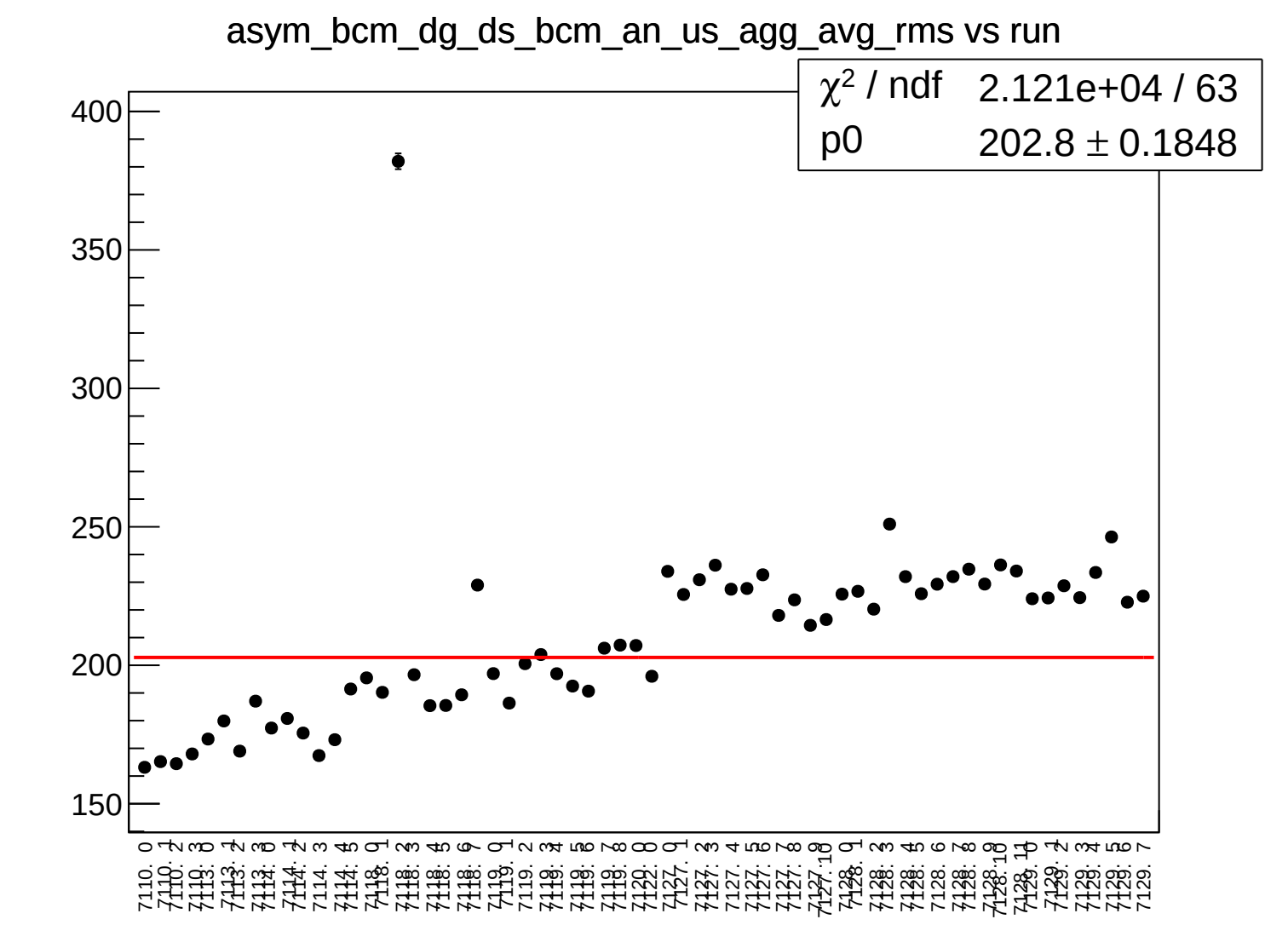

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 56.01 / 63
p0 −40 ± 28.33
pull
Entries 64
Mean −40.97
Std Dev 0

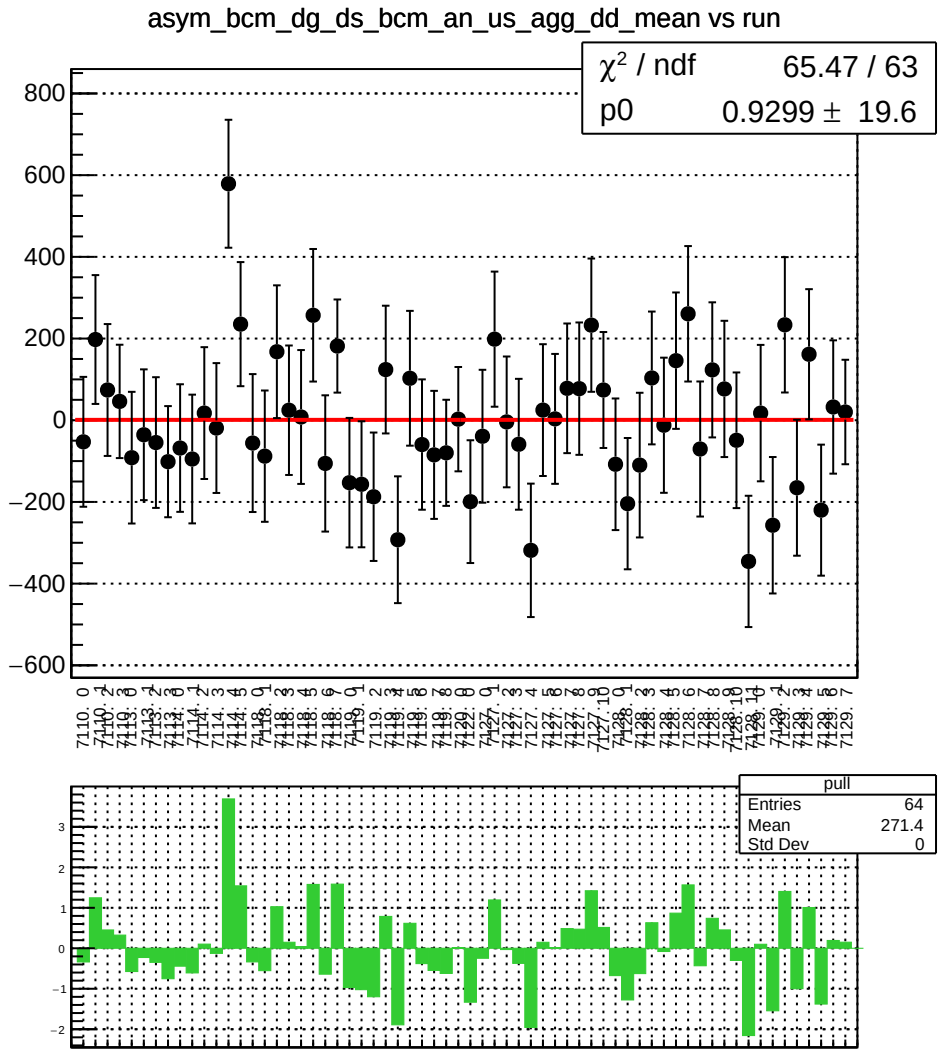

pull1D
Entries 64
Mean 0.01738
Std Dev 0.9354

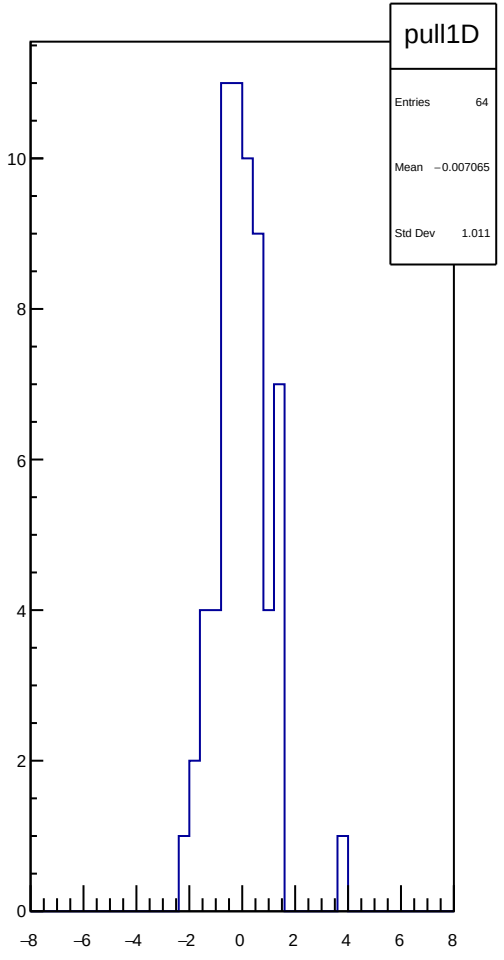

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 321.3 / 63
p0 22.18 ± 0.02003
23.5
23
22.5
22
21.5

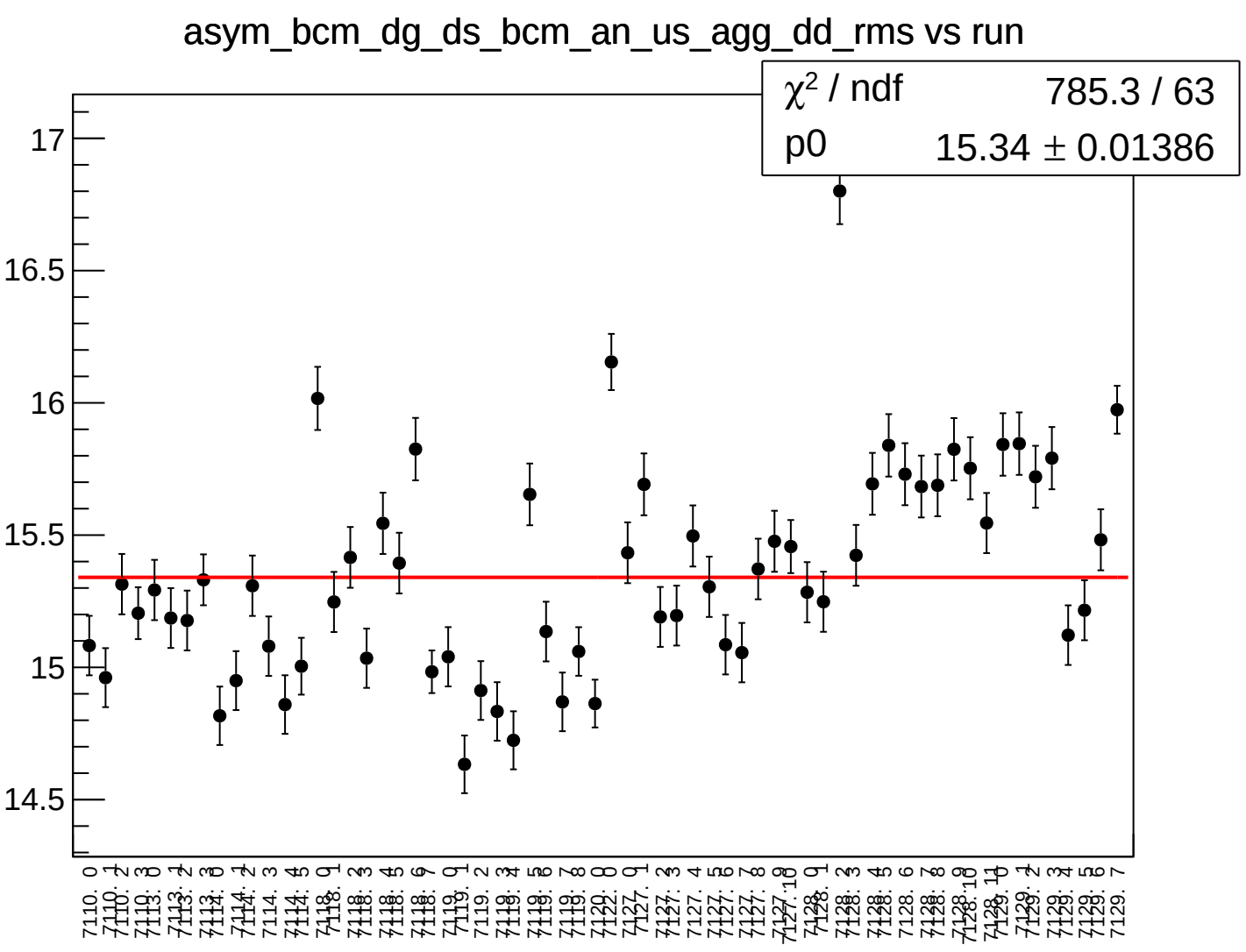

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 9.333 / 63
p0 −135.9 ± 261.3
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 101.5
Std Dev 30.07
1
0.5
0
−0.5
−1
−1.5

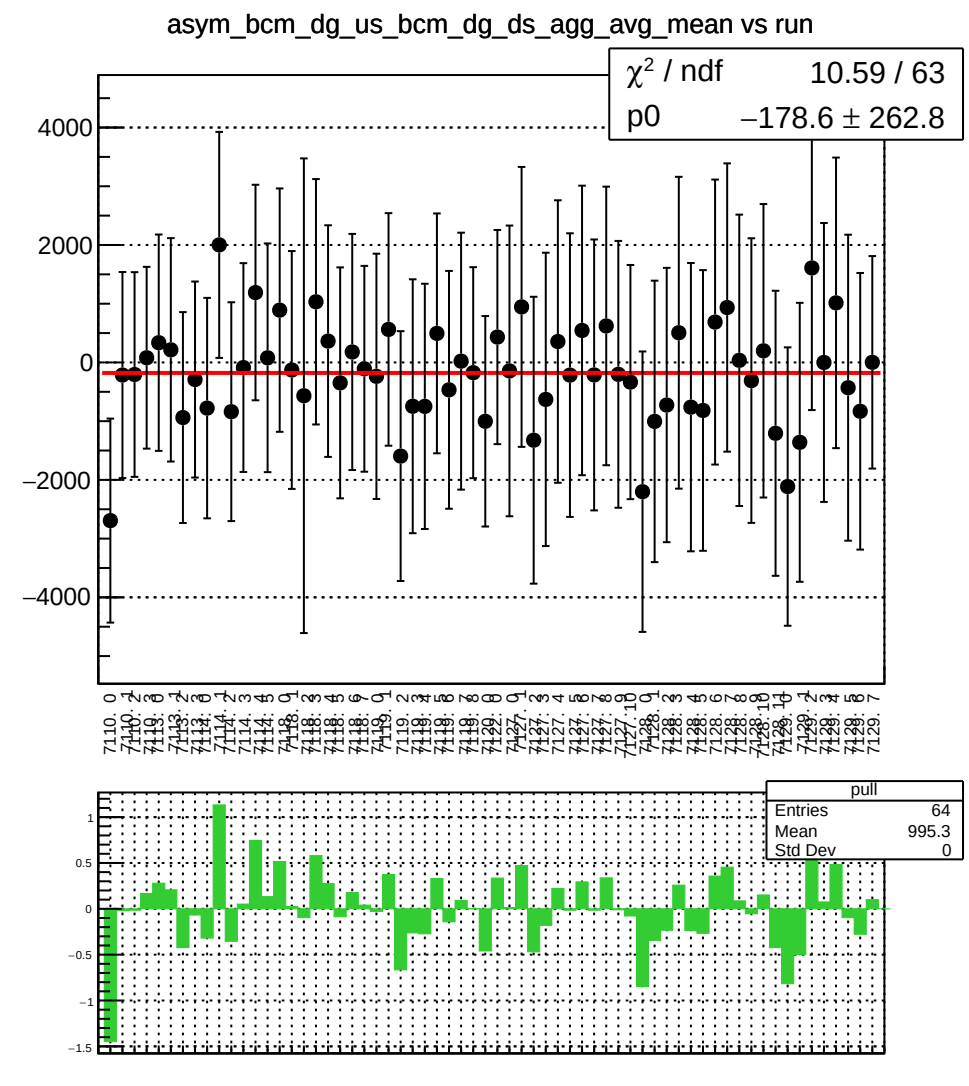

pull1D
Entries 64
Mean −0.002338
Std Dev 0.3819
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

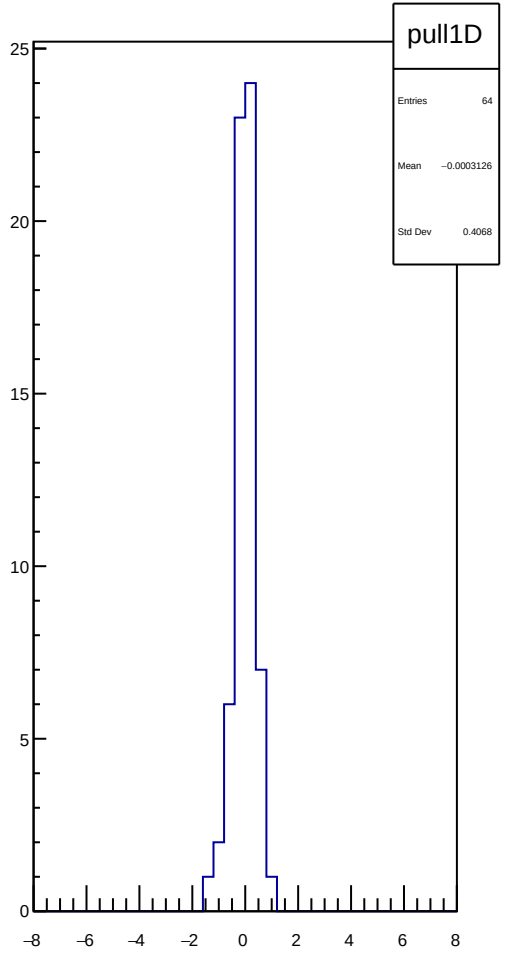

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.121e+04 / 63
p0 202.8 ± 0.1848
400
350
300
250
200
150

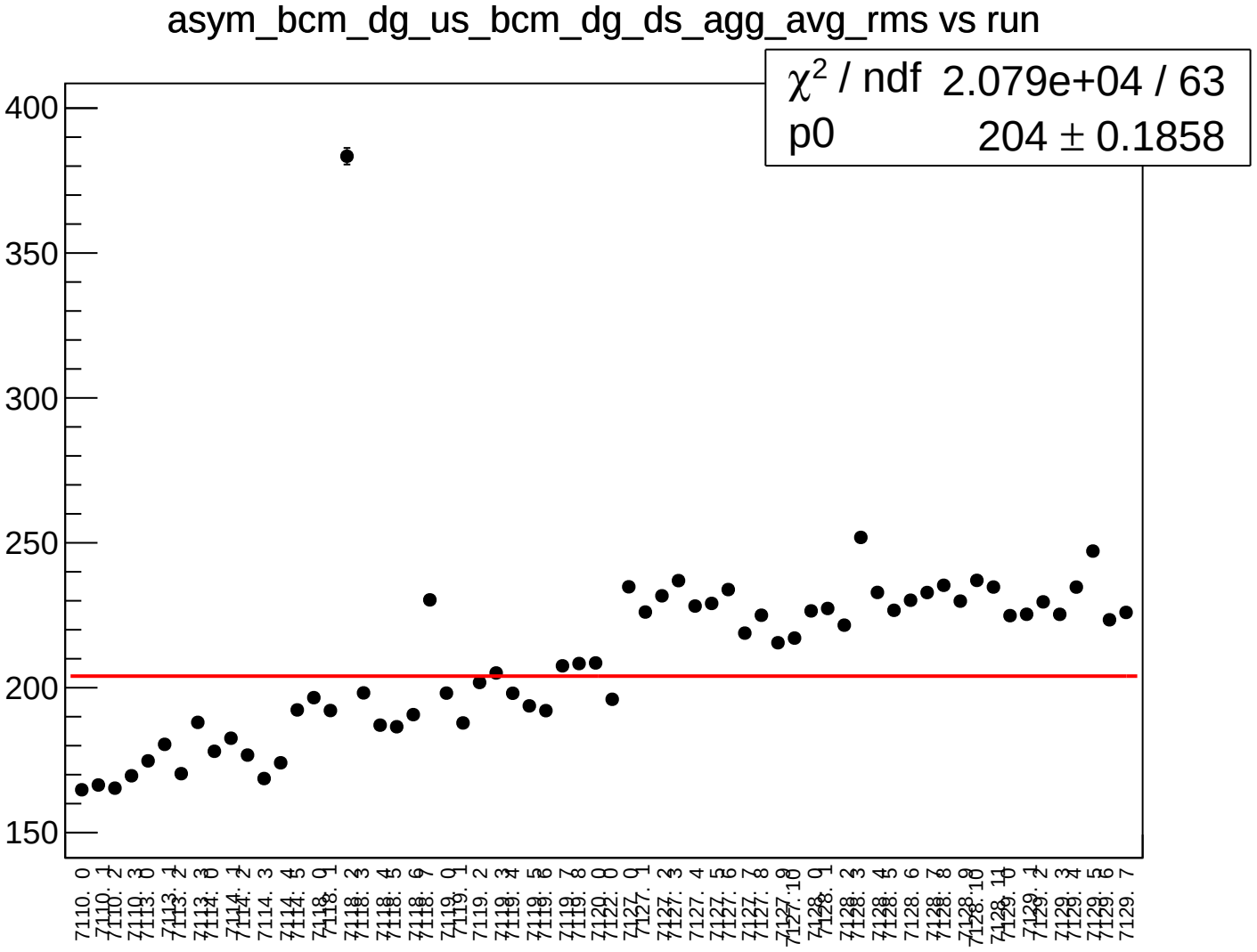

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 65.47 / 63
p0 0.9299 ± 19.6
pull
Entries 64
Mean 271.4
Std Dev 0

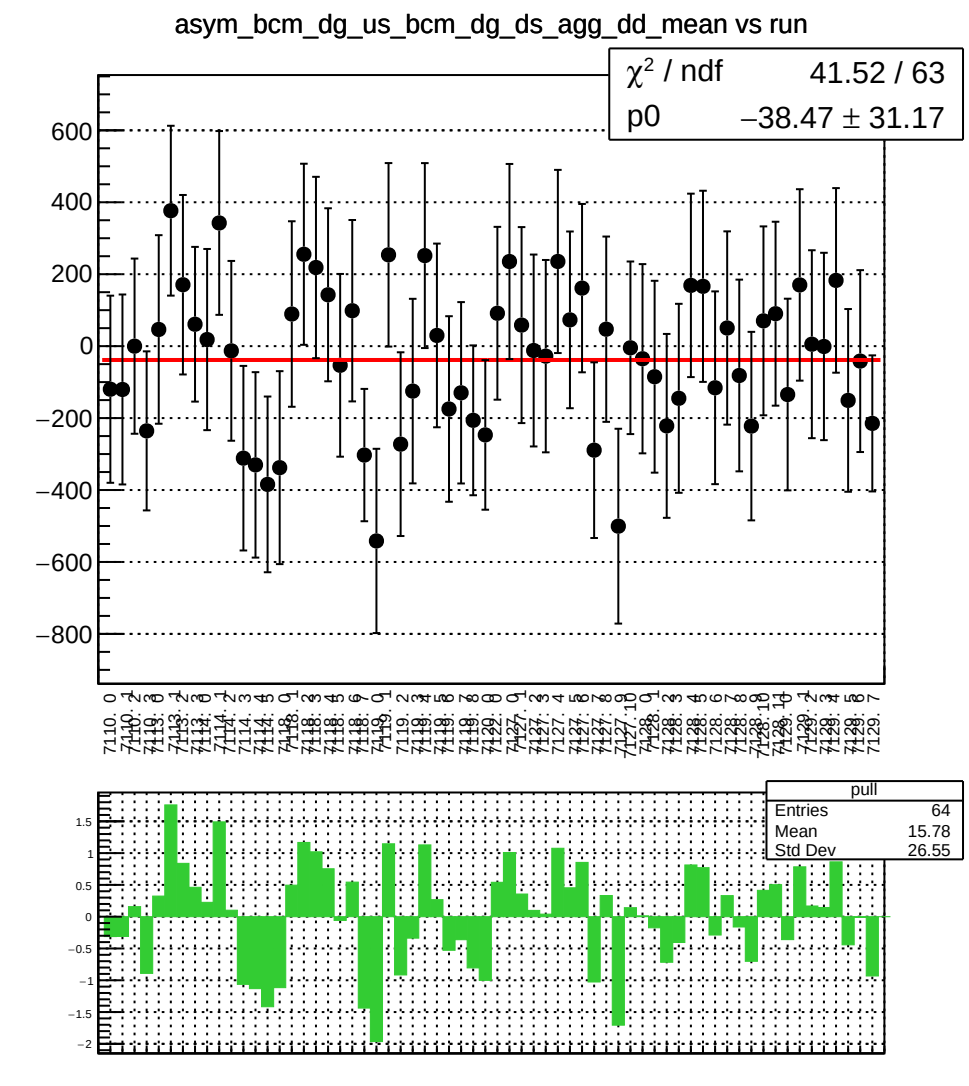

pull1D
Entries 64
Mean −0.007065
Std Dev 1.011

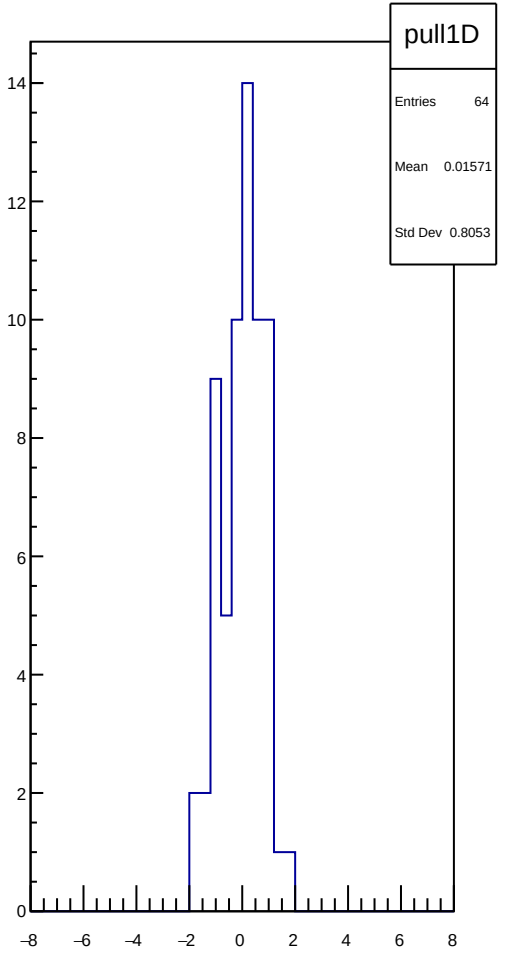

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 785.3 / 63
p0 15.34 ± 0.01386
17
16.5
16
15.5
15
14.5

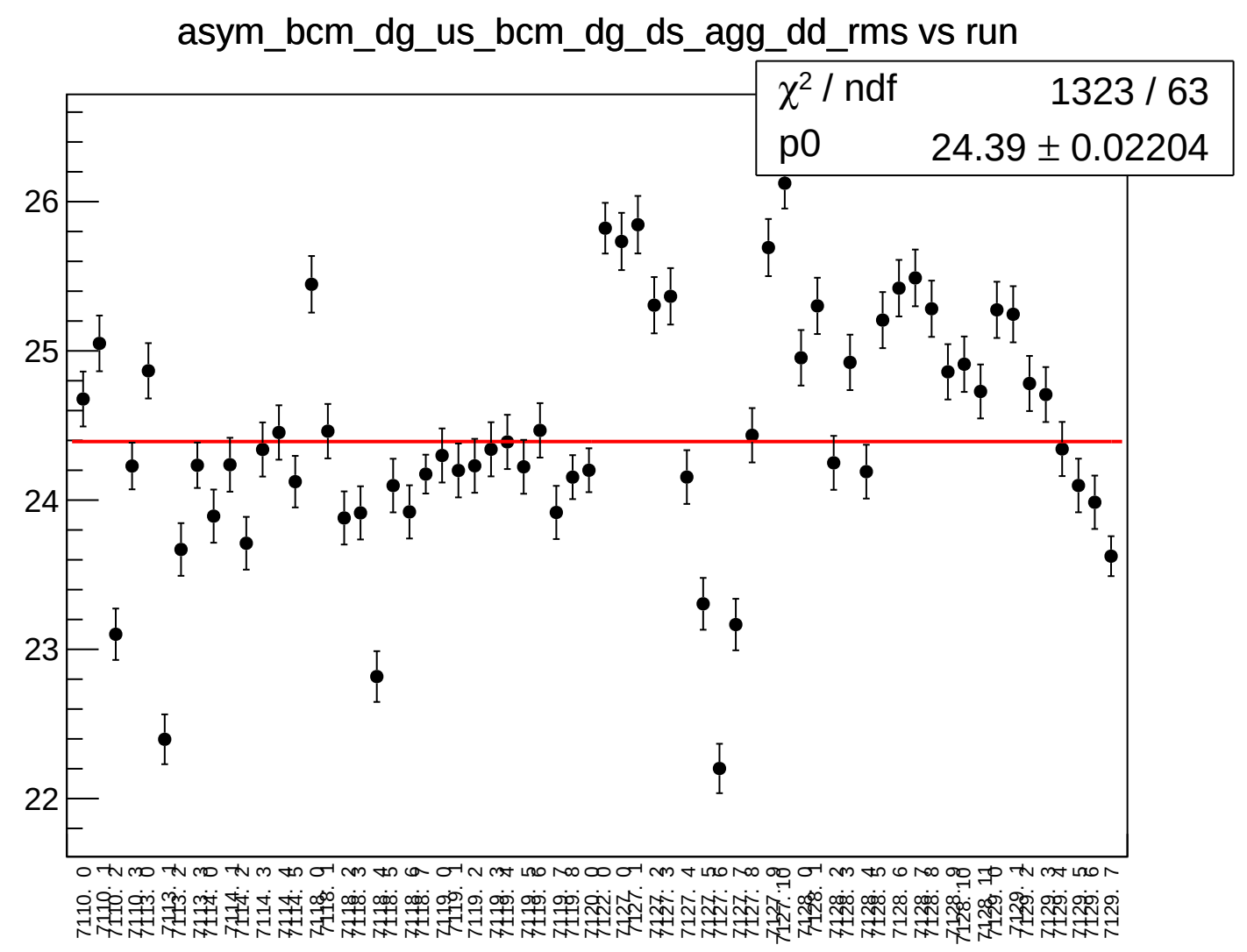

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 10.59 / 63
p0 −178.6 ± 262.8
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 995.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

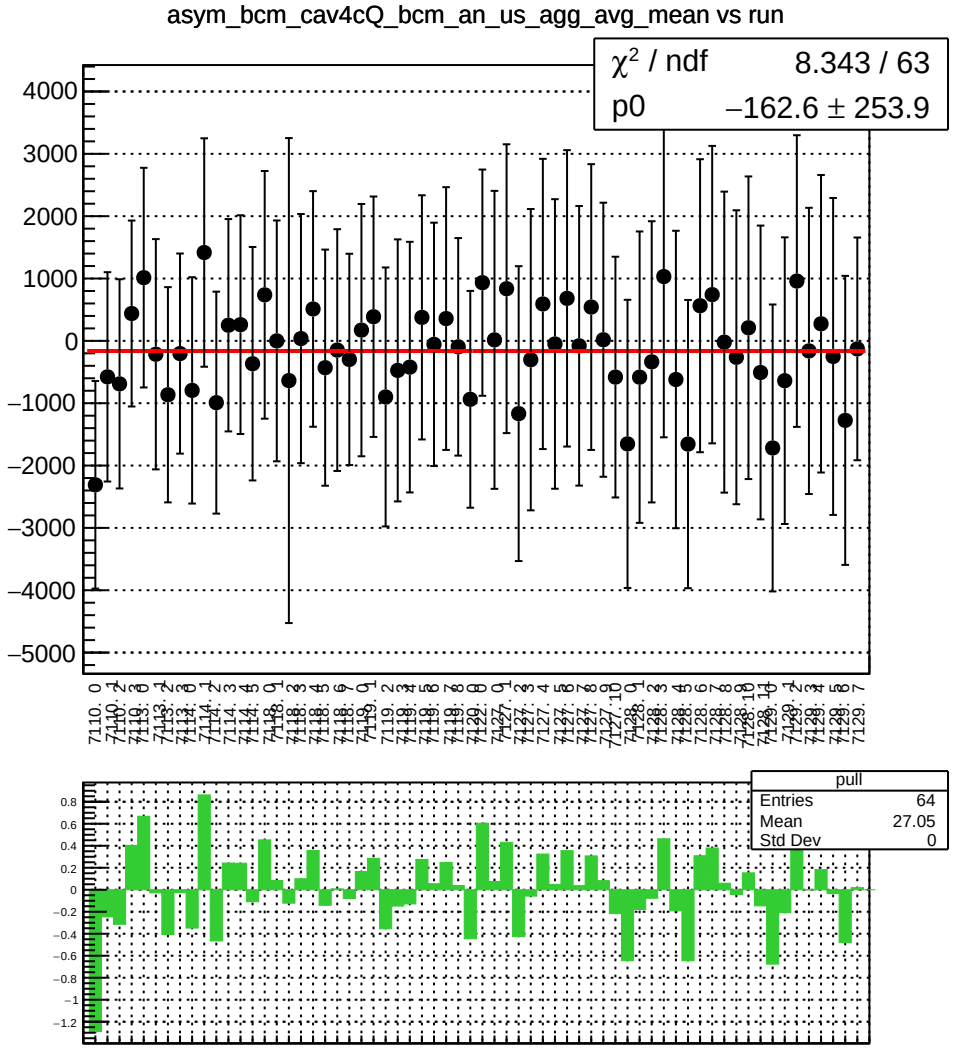

pull1D
Entries 64
Mean −0.0003126
Std Dev 0.4068
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

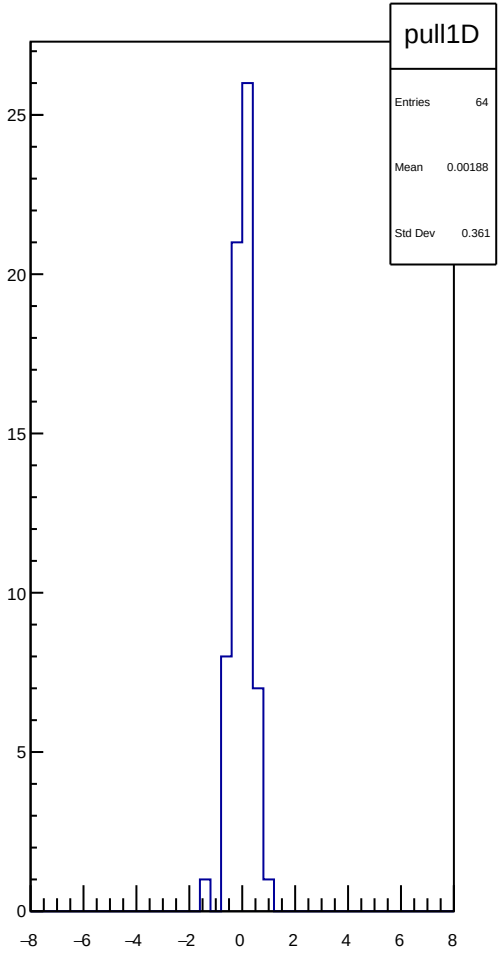

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.079e+04 / 63
p0 204 ± 0.1858
400
350
300
250
200
150

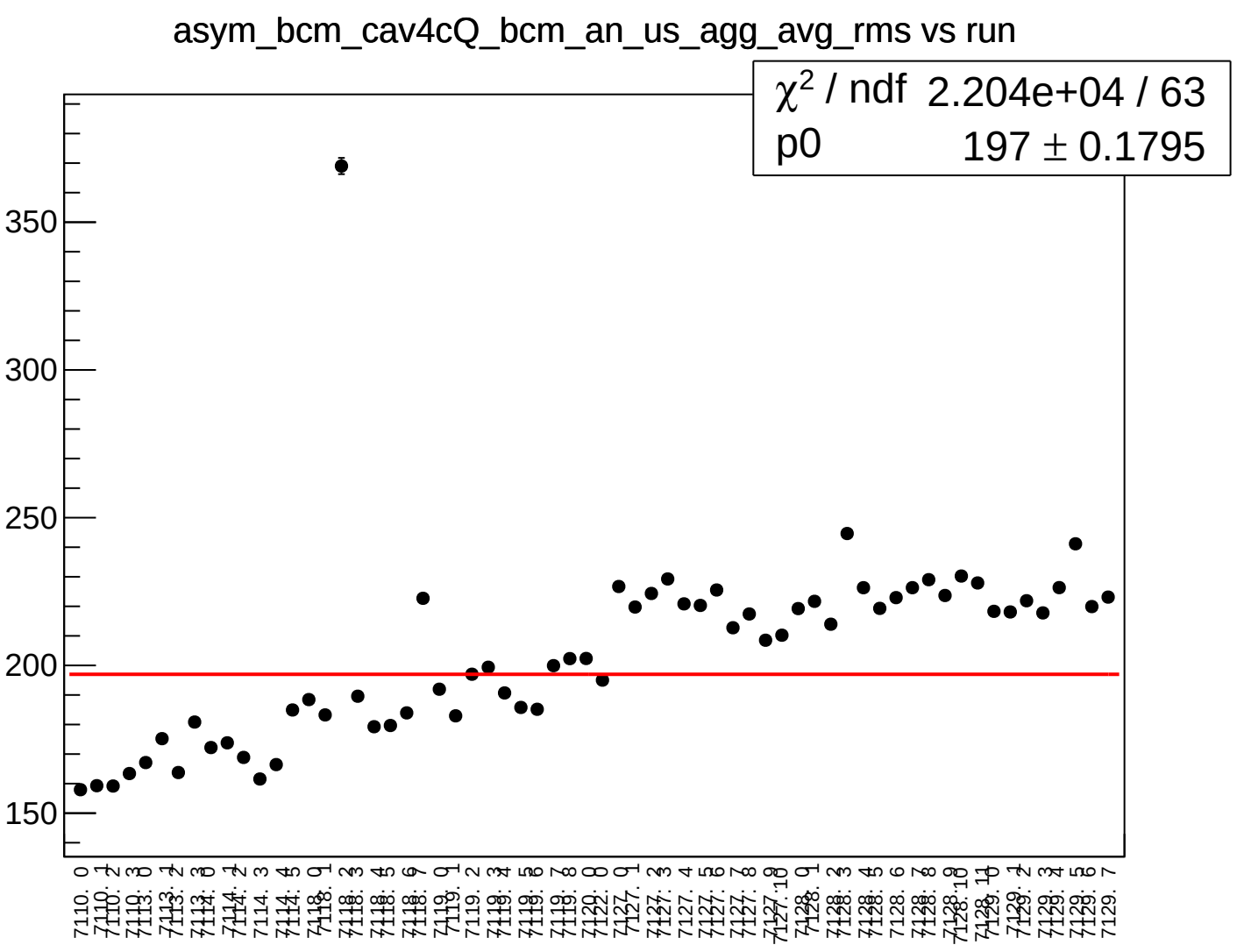

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 41.52 / 63
p0 −38.47 ± 31.17
pull
Entries 64
Mean 15.78
Std Dev 26.55

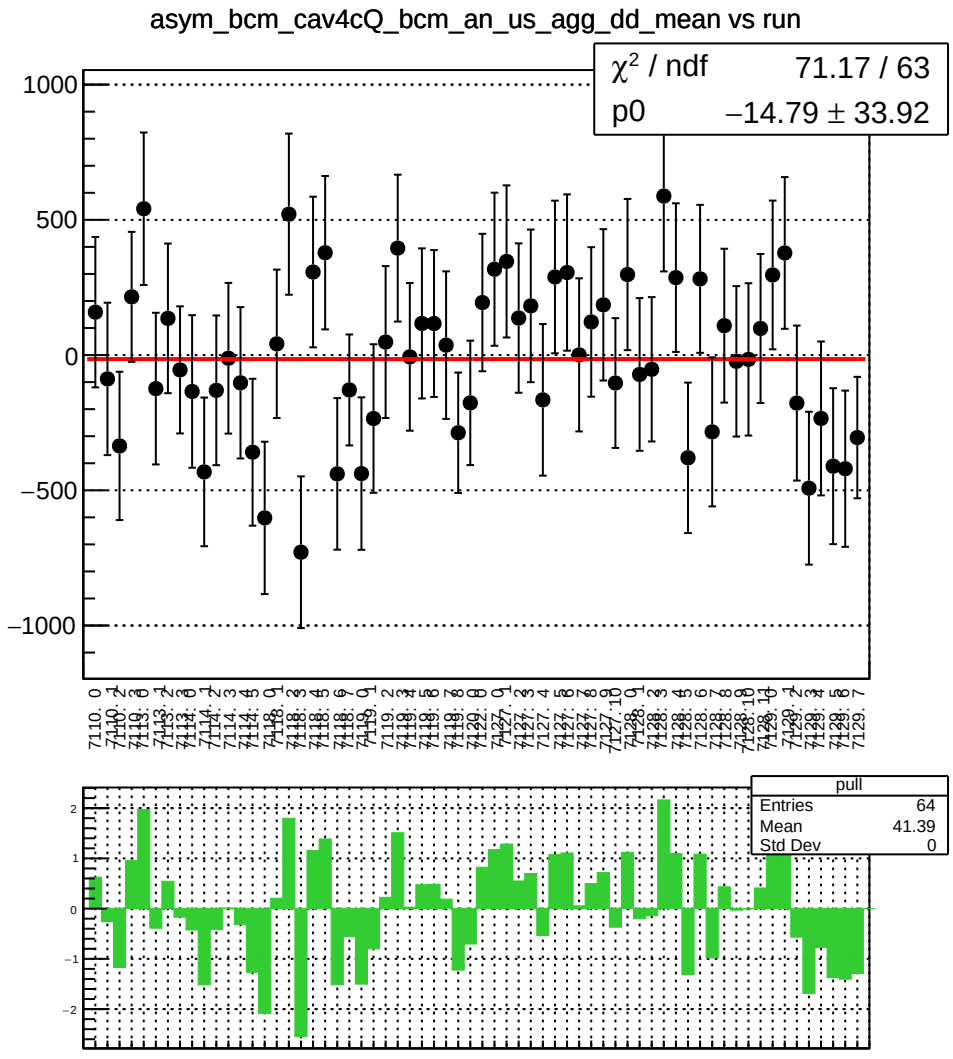

pull1D
Entries 64
Mean 0.01571
Std Dev 0.8053

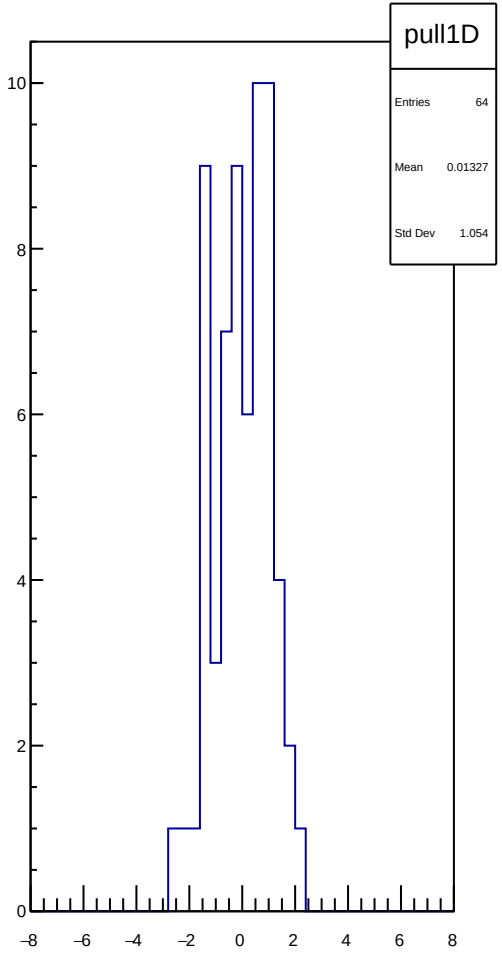

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1323 / 63
p0 24.39 ± 0.02204
26
25
24
23
22

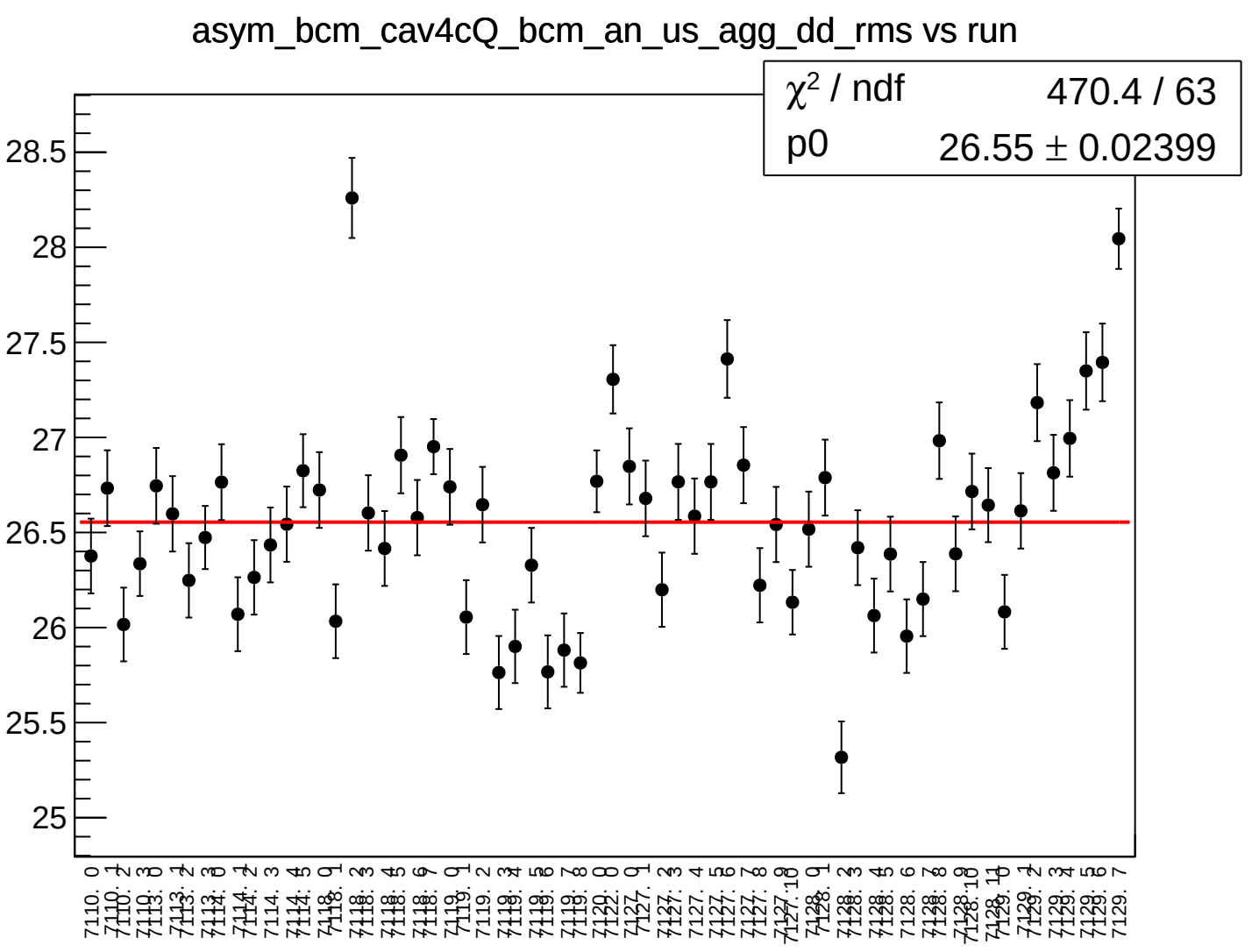

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 8.343 / 63
p0 −162.6 ± 253.9
pull
Entries 64
Mean 27.05
Std Dev 0

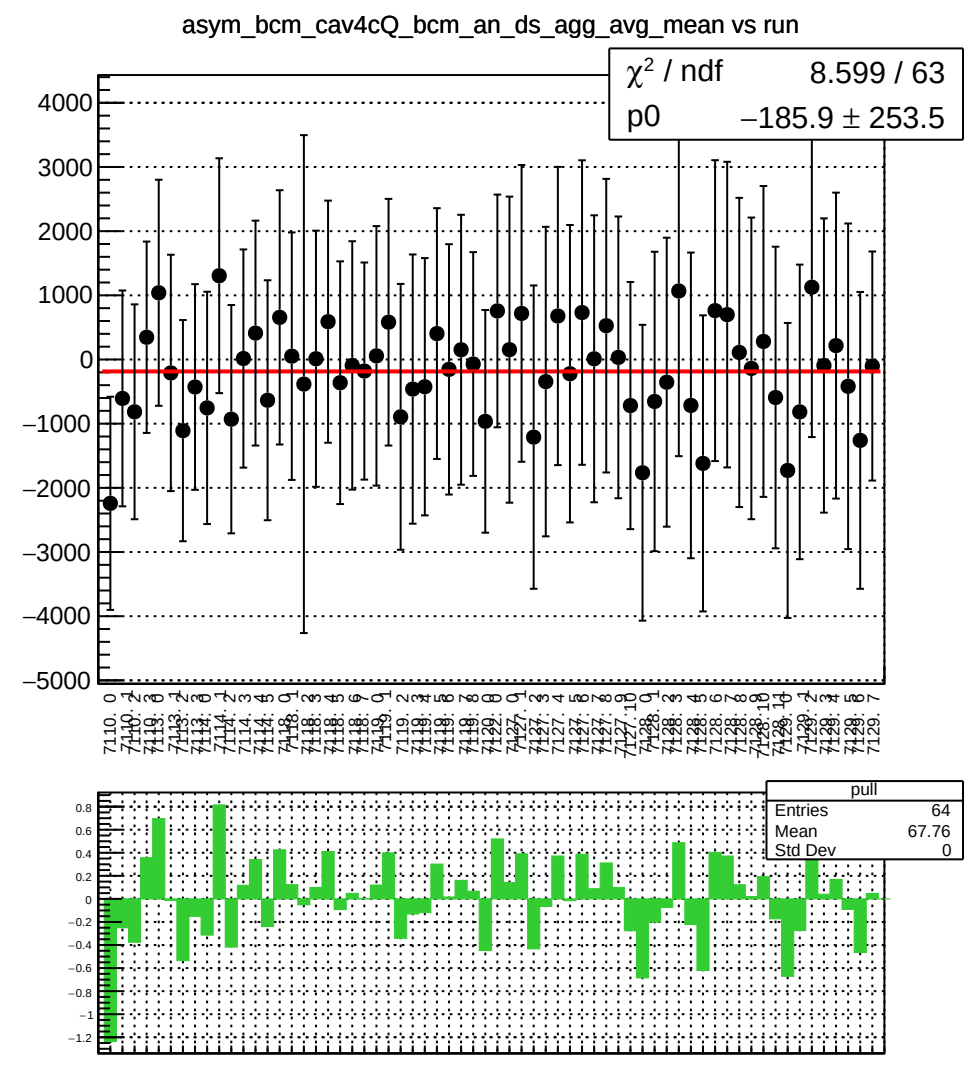

pull1D
Entries 64
Mean 0.00188
Std Dev 0.361

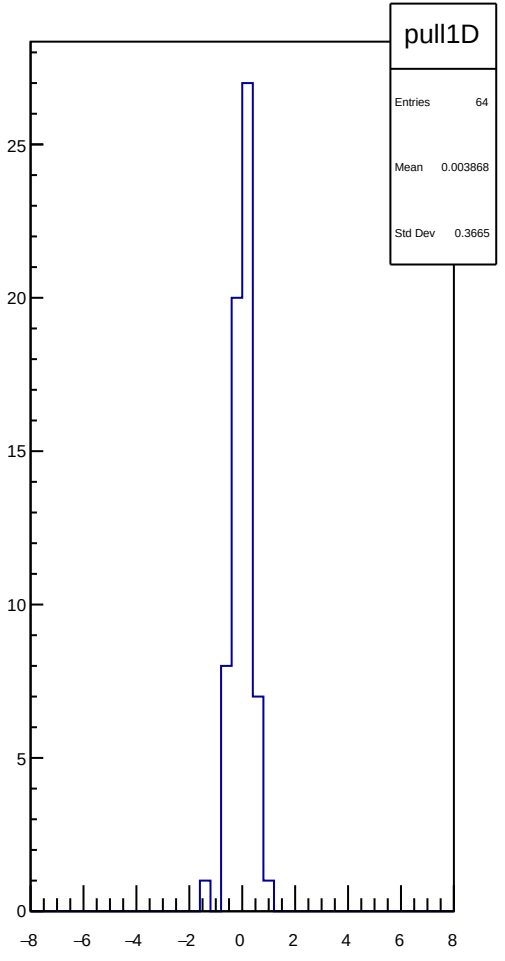

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.204e+04 / 63
p0 197 ± 0.1795
350
300
250
200
150

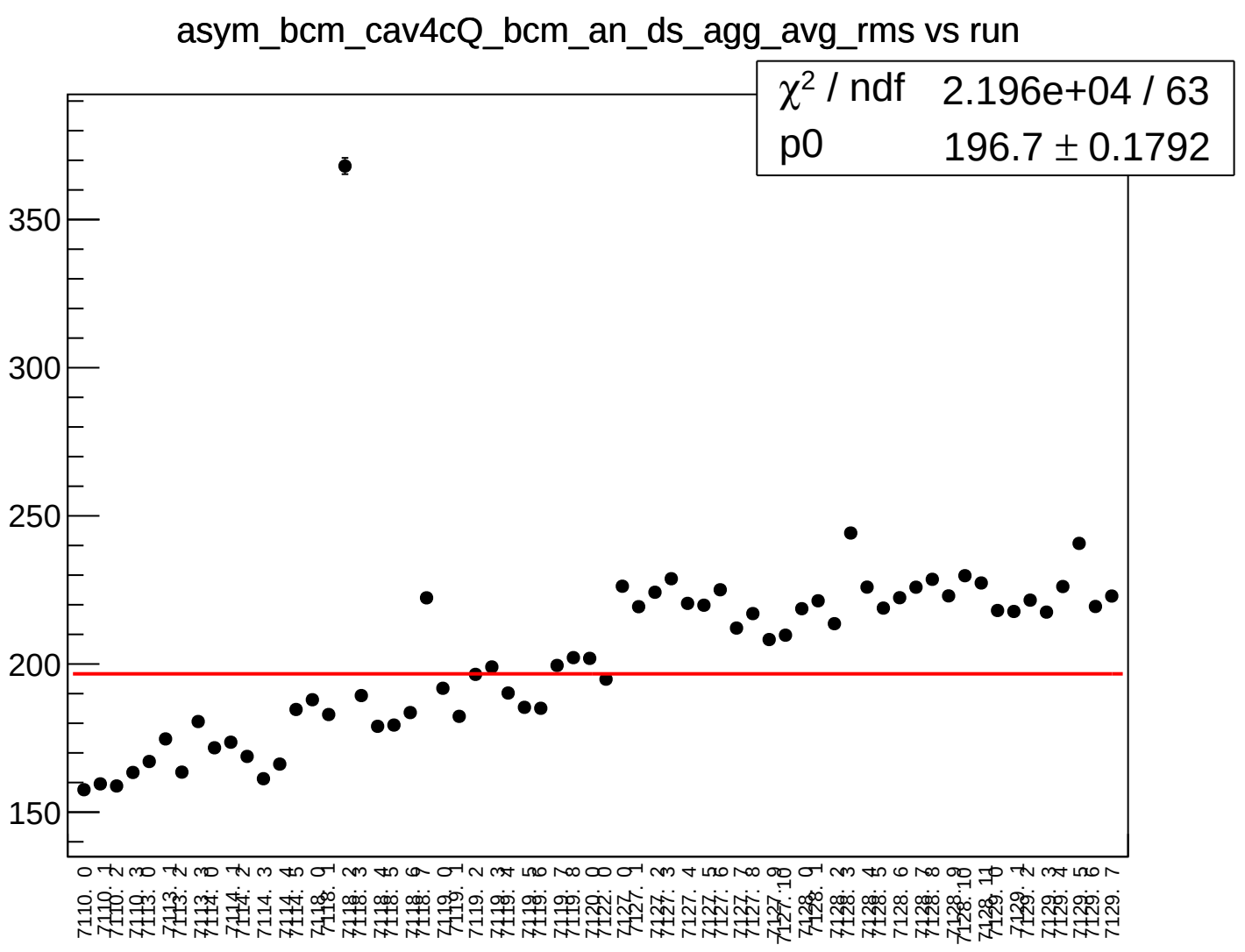

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 71.17 / 63
p0 −14.79 ± 33.92
1000
500
0
−500
−1000
pull
Entries 64
Mean 41.39
Std Dev 0
2
1
0
−1
−2

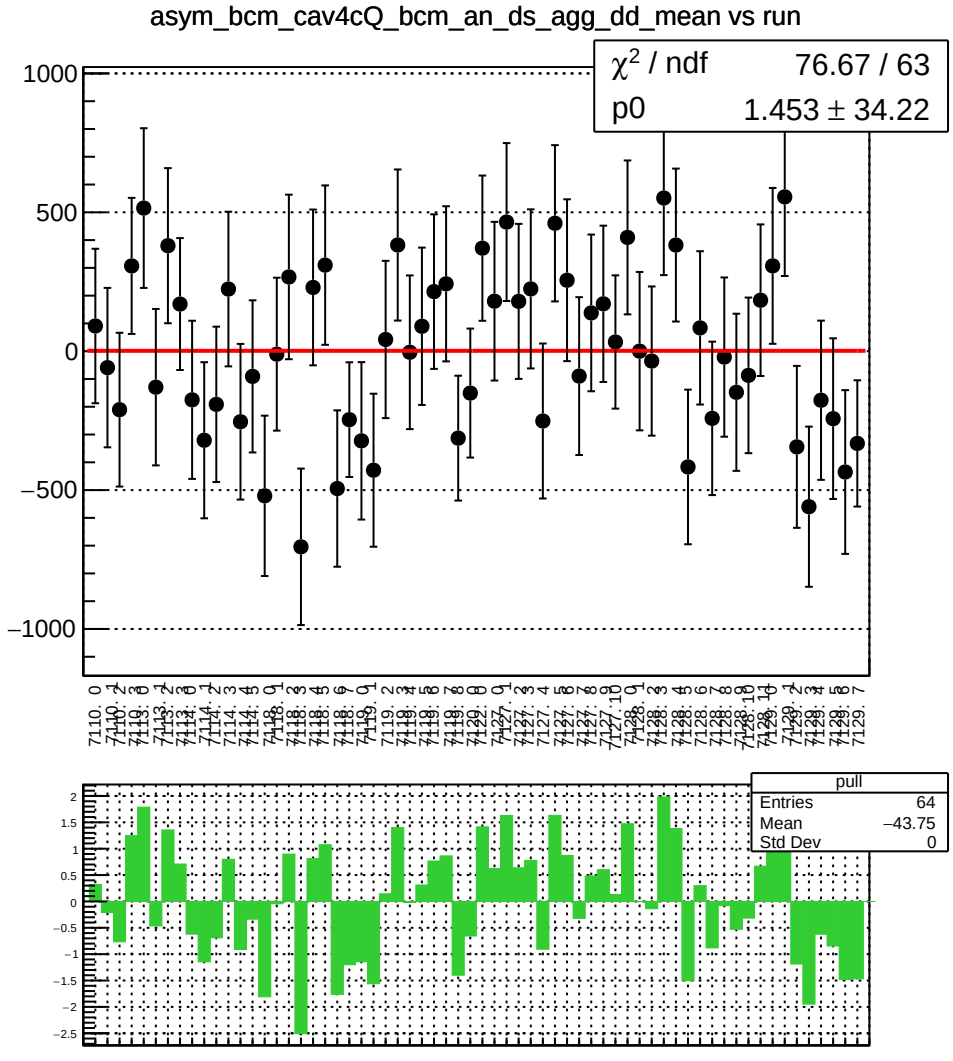

pull1D
Entries 64
Mean 0.01327
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

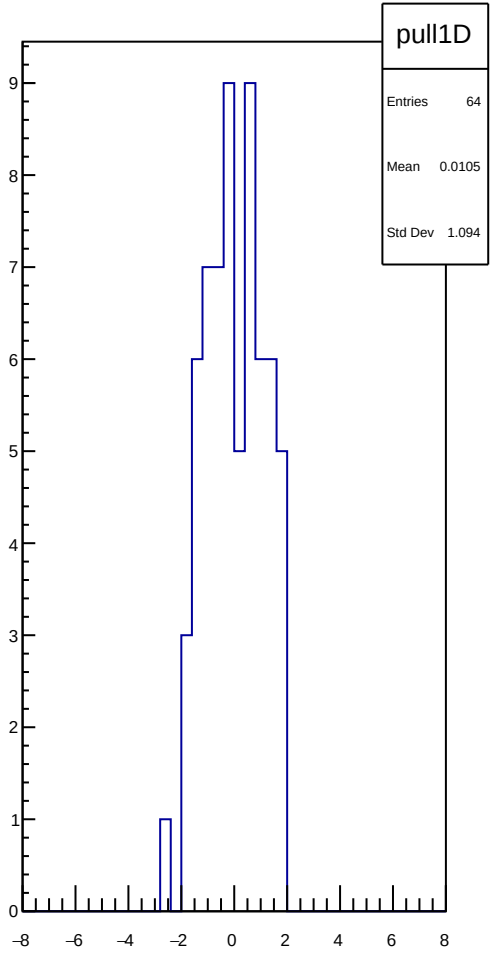

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 470.4 / 63
p0 26.55 ± 0.02399
28.5
28
27.5
27
26.5
26
25.5
25

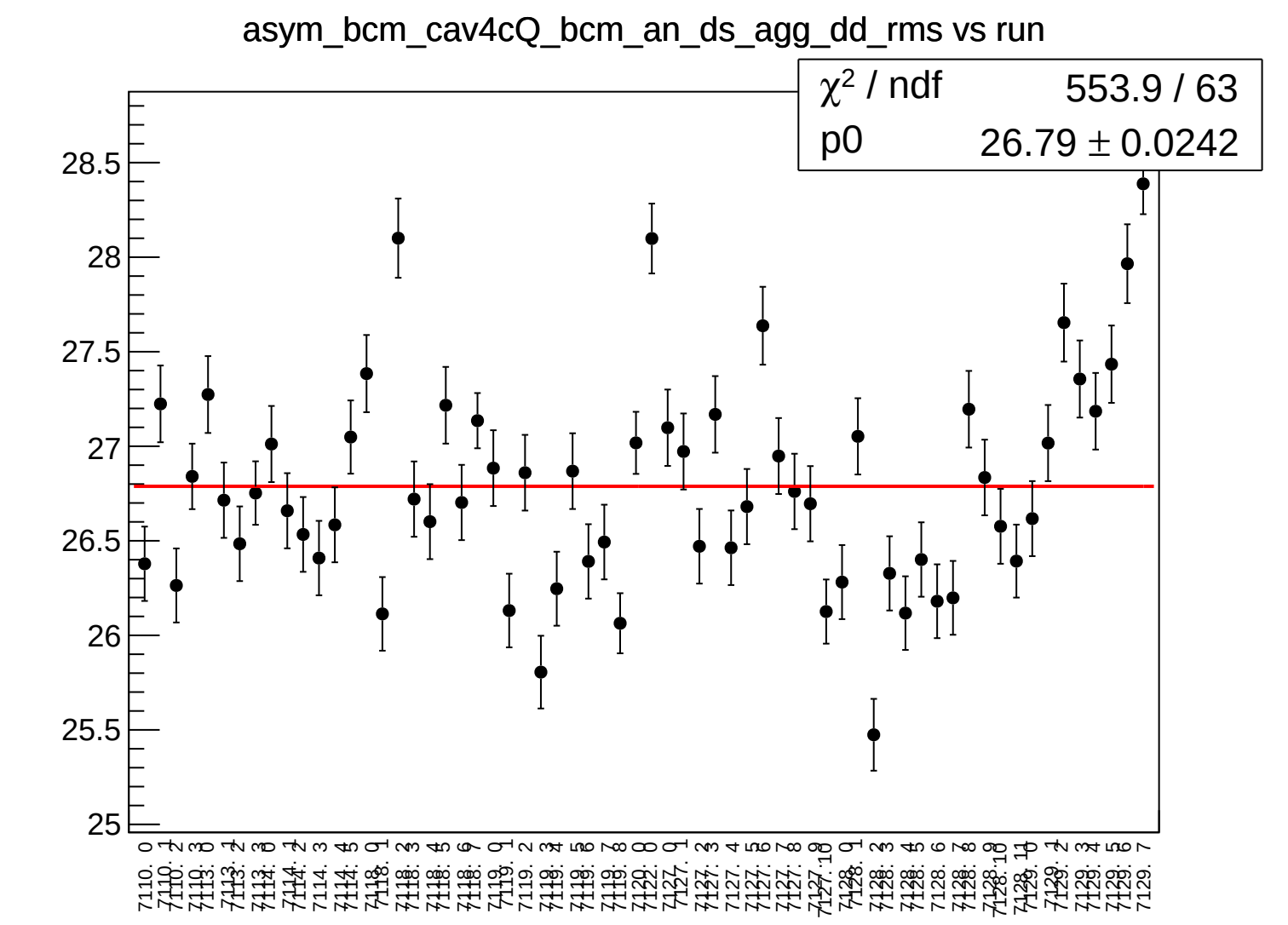

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 8.599 / 63
p0 −185.9 ± 253.5
pull
Entries 64
Mean 67.76
Std Dev 0

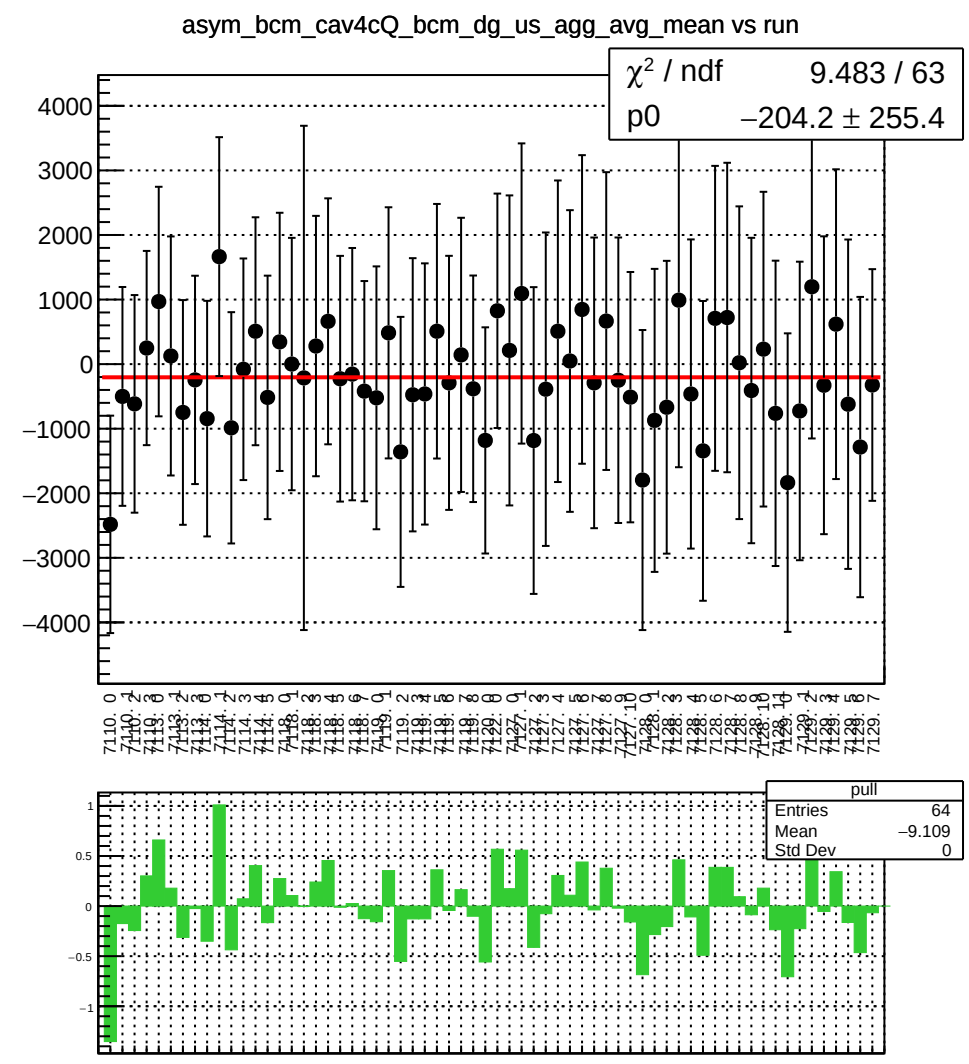

pull1D
Entries 64
Mean 0.003868
Std Dev 0.3665

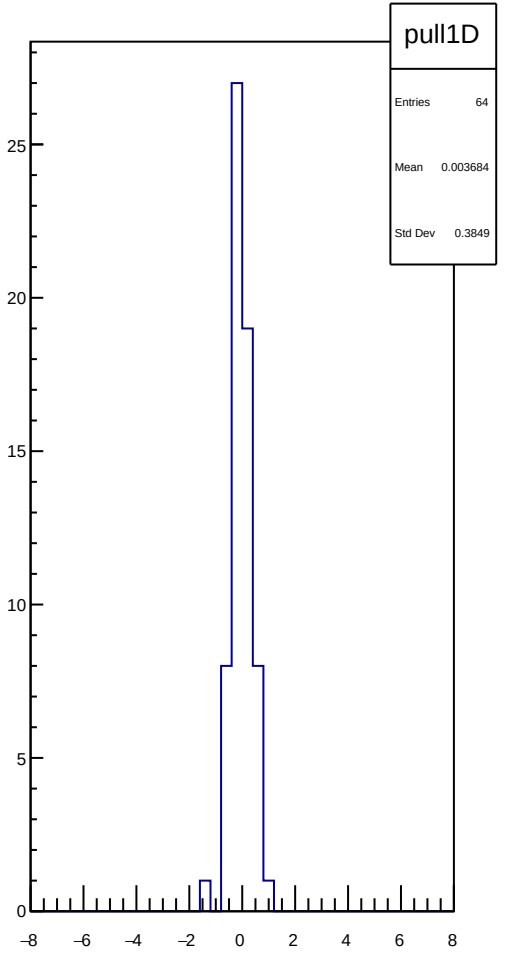

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.196e+04 / 63
p0 196.7 ± 0.1792
350
300
250
200
150

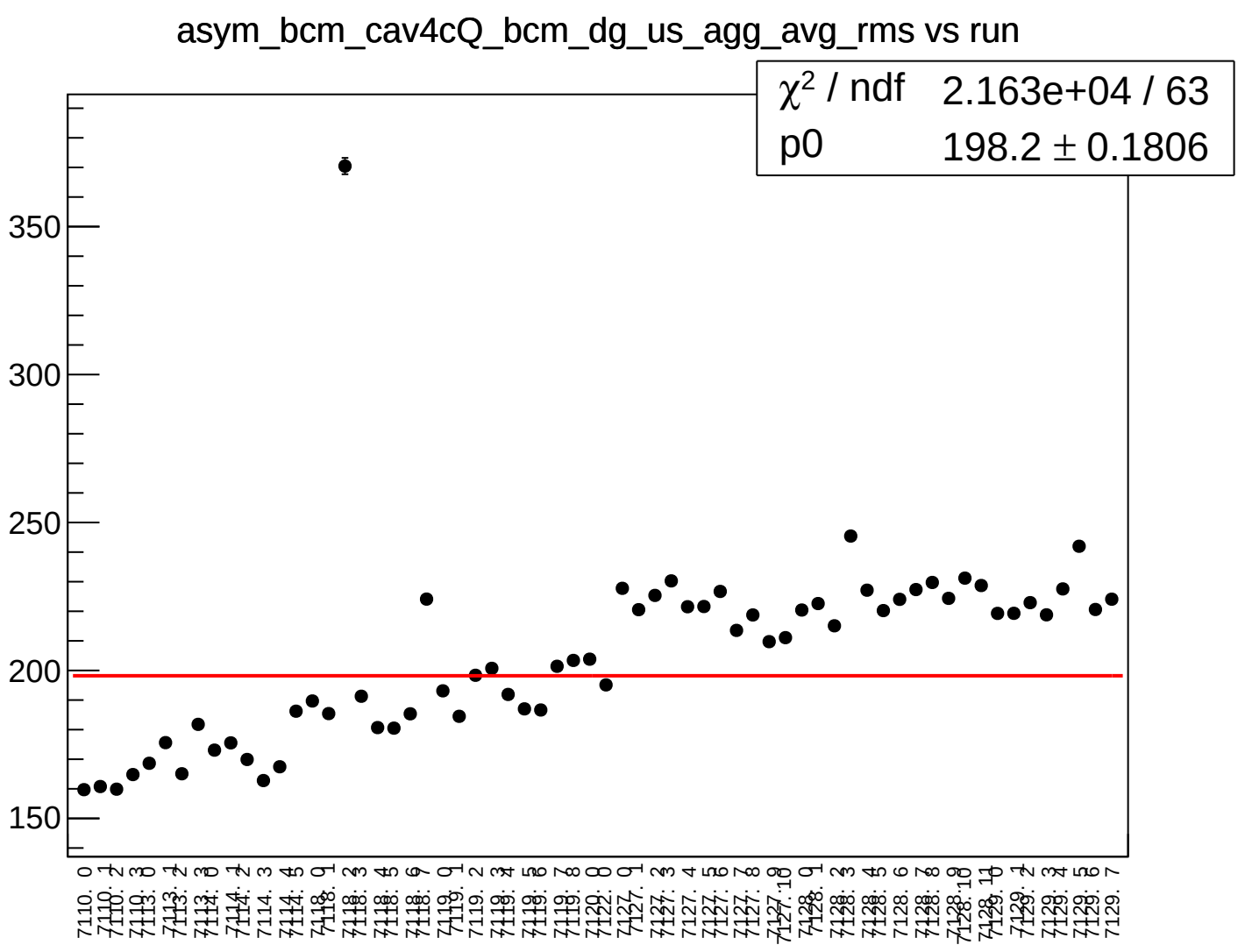

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 76.67 / 63
p0 1.453 ± 34.22
pull
Entries 64
Mean −43.75
Std Dev 0

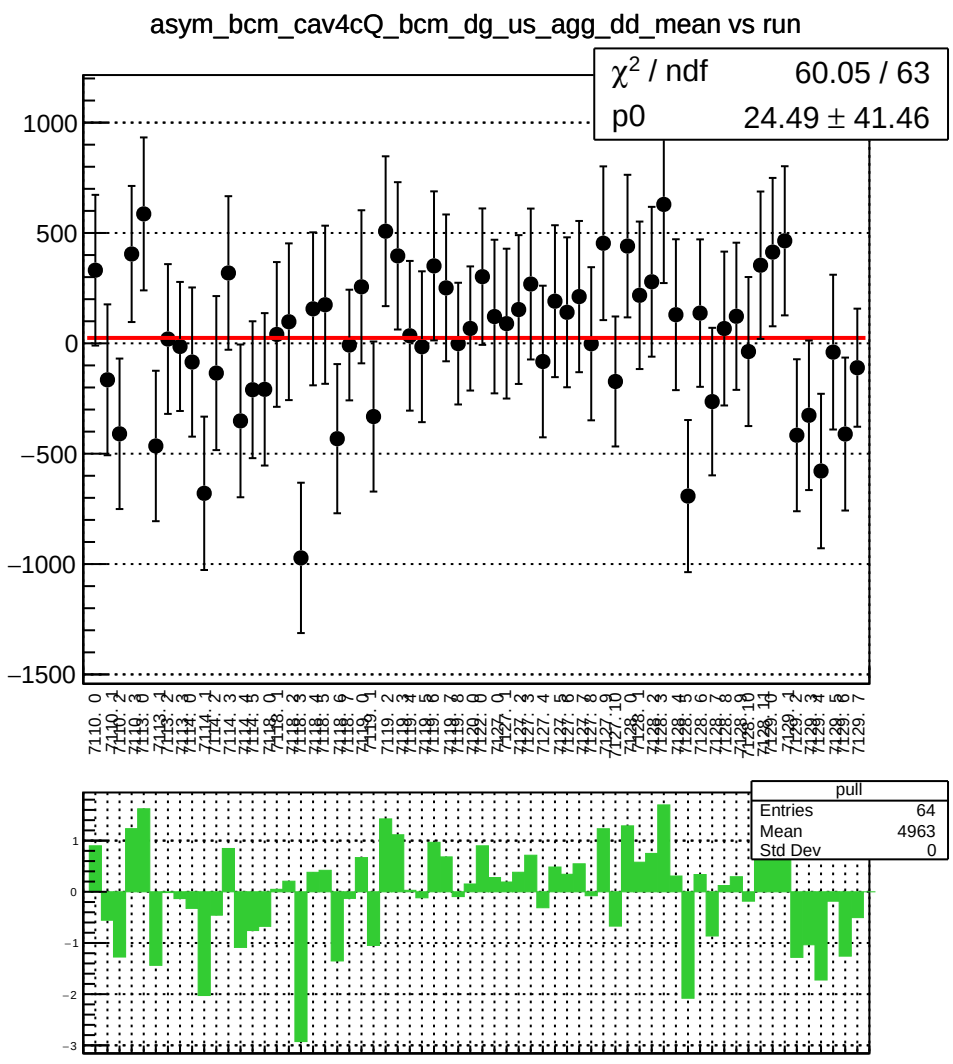

pull1D
Entries 64
Mean 0.0105
Std Dev 1.094

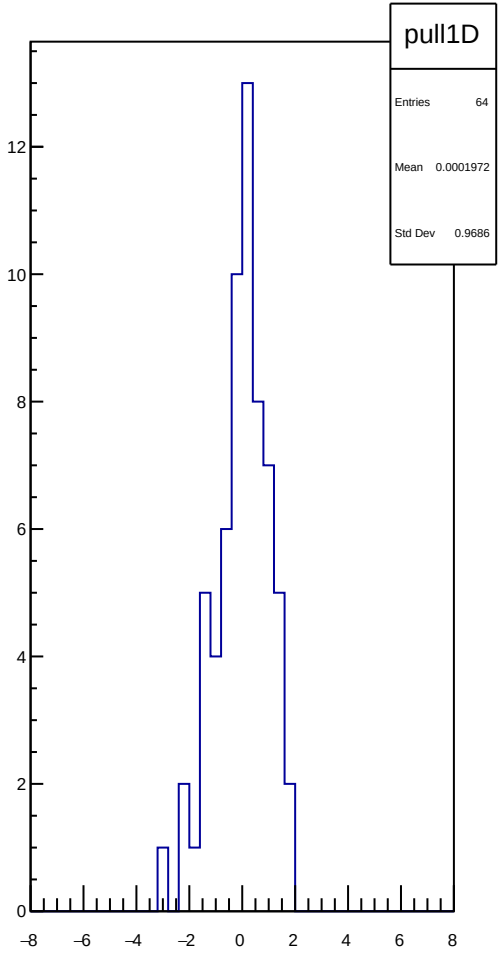

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 553.9 / 63
p0 26.79 ± 0.0242
28.5
28
27.5
27
26.5
26
25.5
25

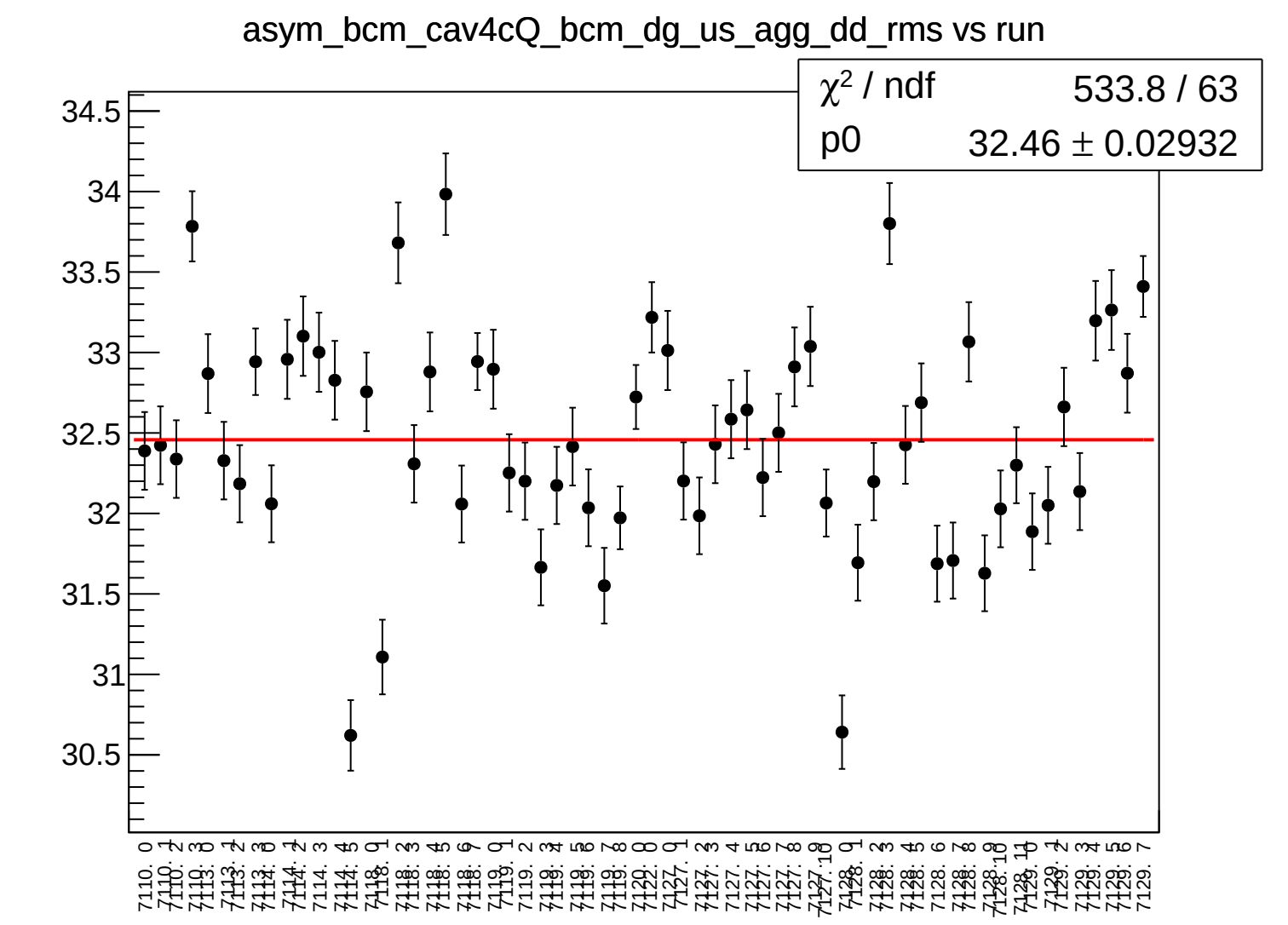

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 9.483 / 63
p0 −204.2 ± 255.4
pull
Entries 64
Mean −9.109
Std Dev 0

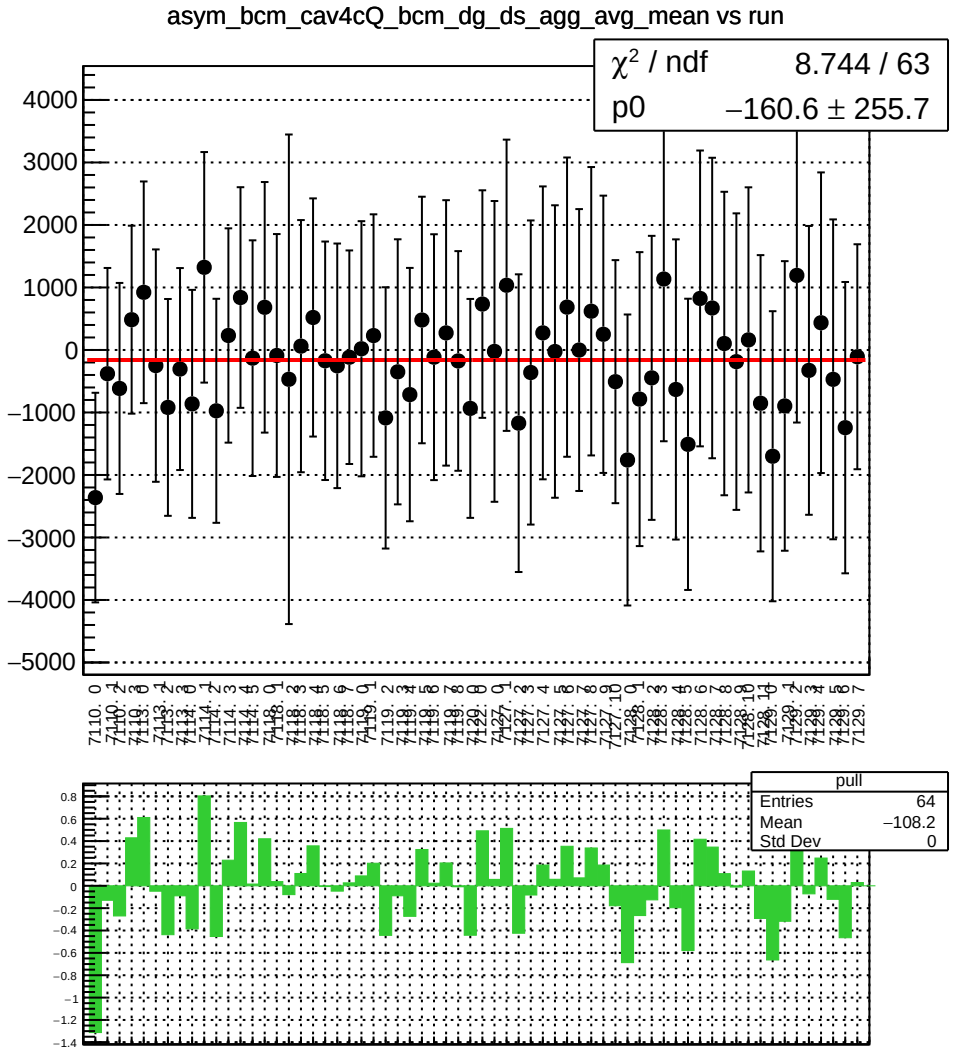

pull1D
Entries 64
Mean 0.003684
Std Dev 0.3849

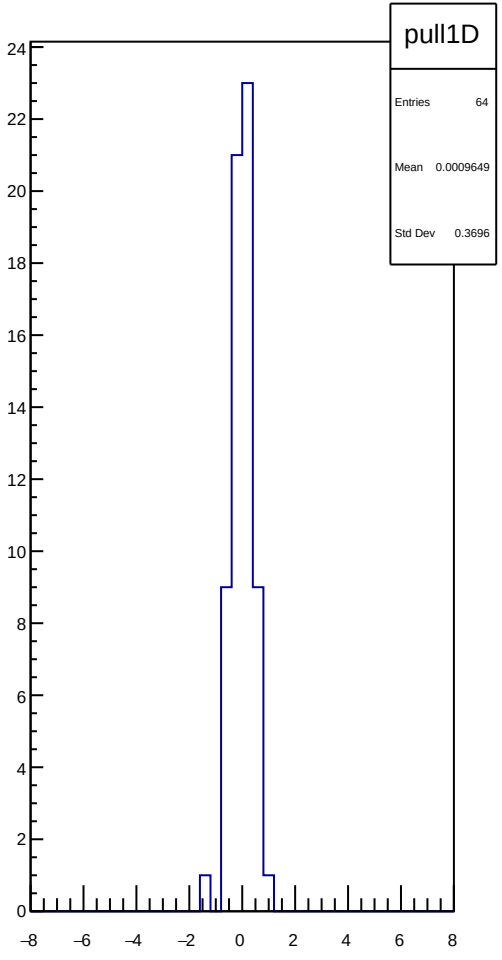

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 2.163e+04 / 63
p0 198.2 ± 0.1806
350
300
250
200
150

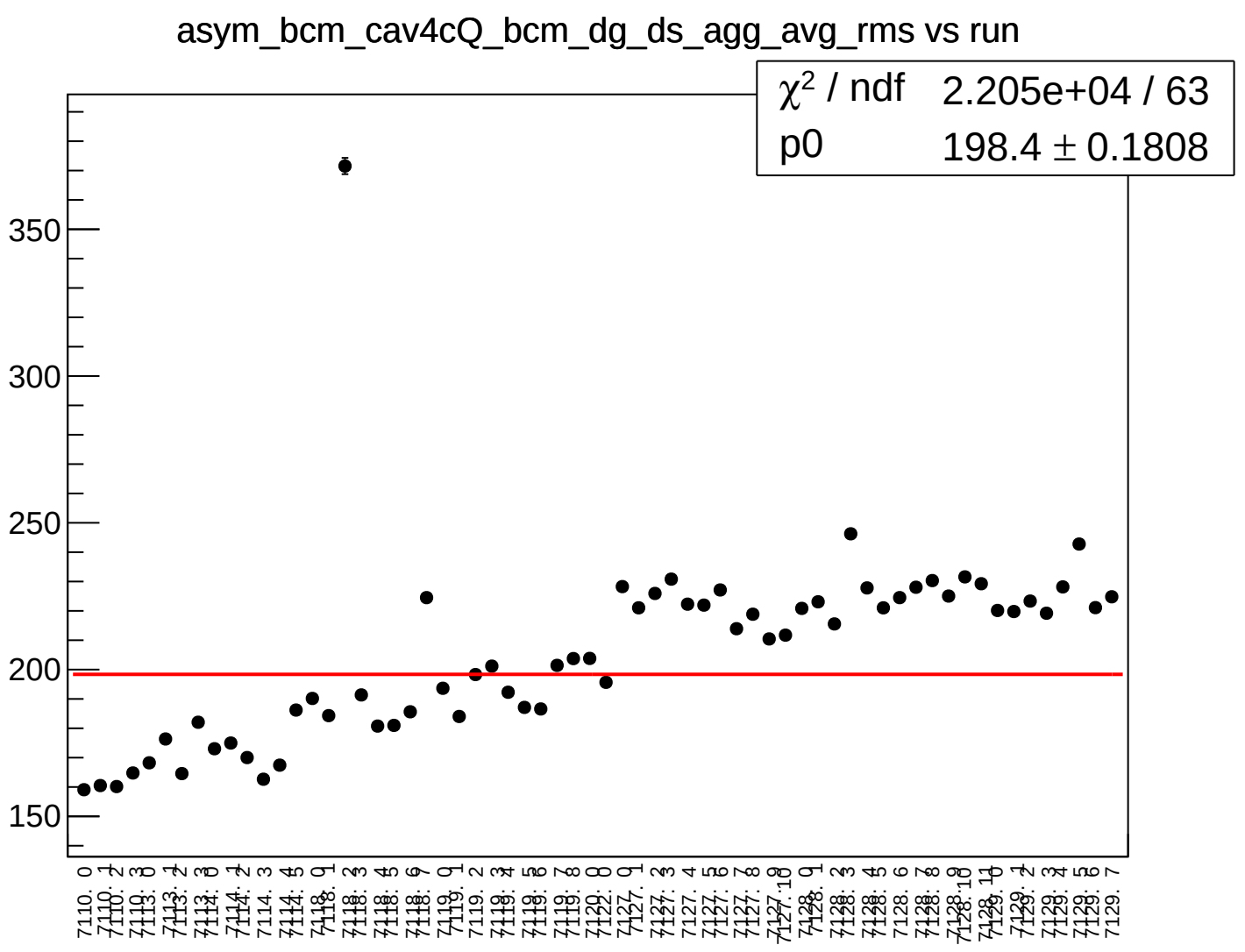

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 60.05 / 63
p0 24.49 ± 41.46
pull
Entries 64
Mean 4963
Std Dev 0

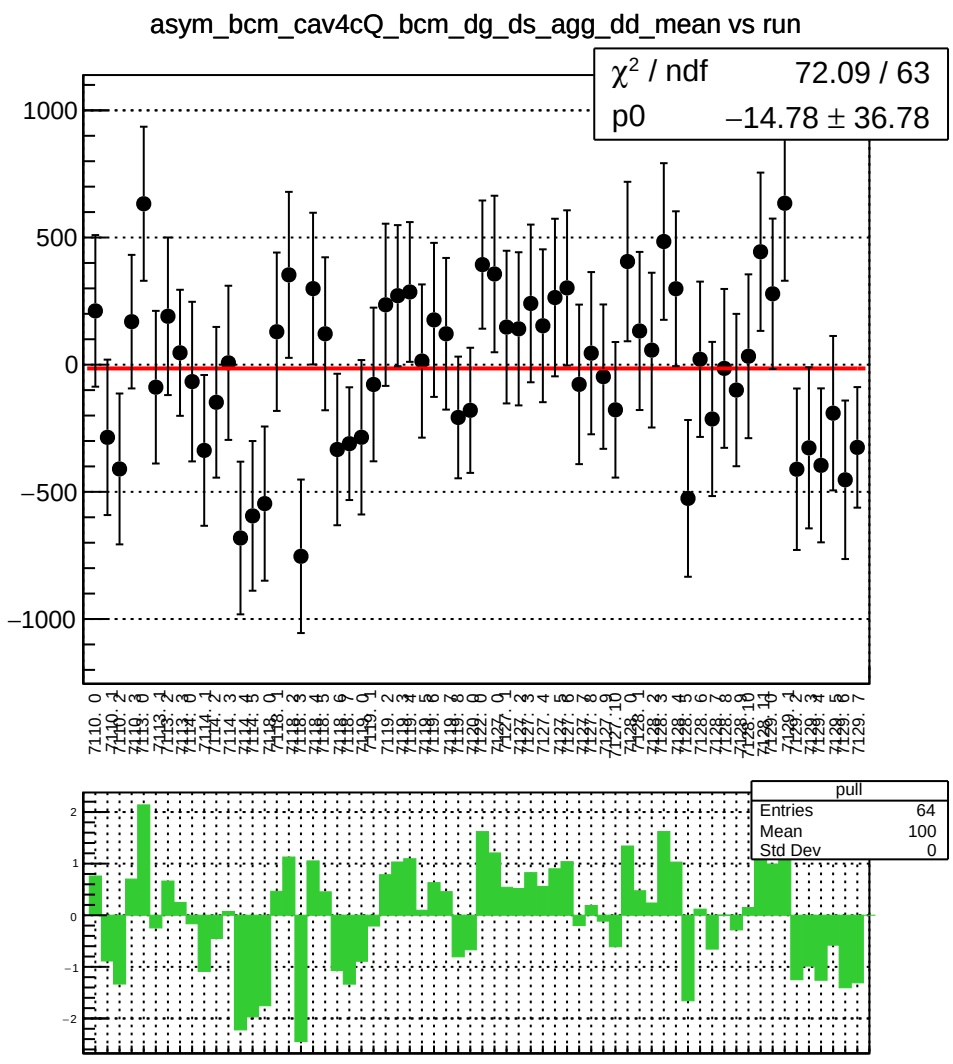

pull1D
Entries 64
Mean 0.0001972
Std Dev 0.9686

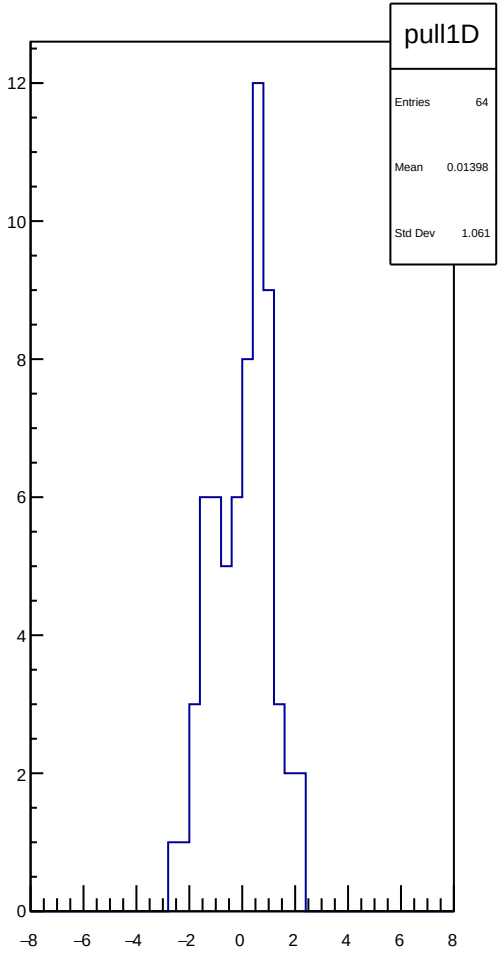

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 533.8 / 63
p0 32.46 ± 0.02932
34.5
34
33.5
33
32.5
32
31.5
31
30.5

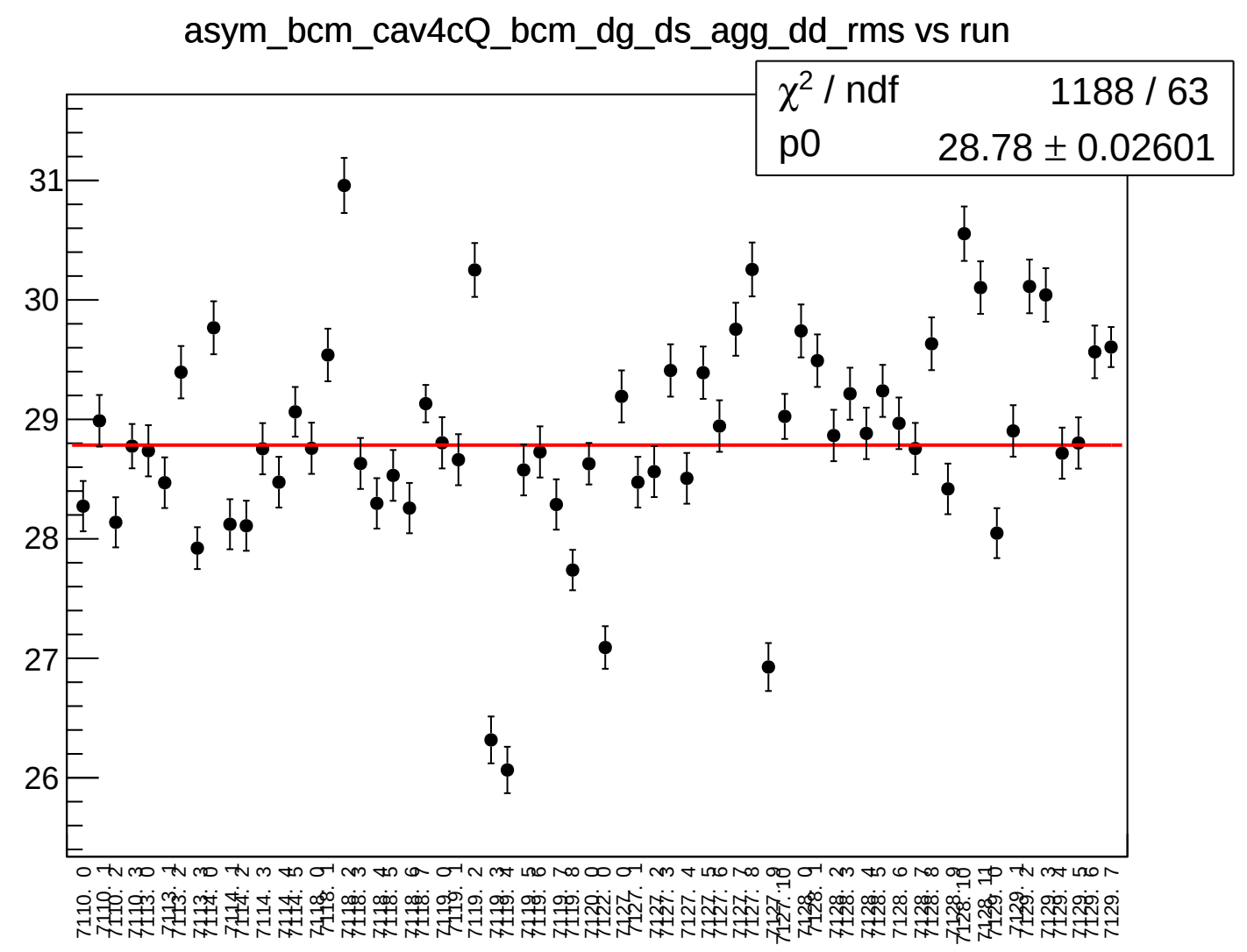

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 8.744 / 63
p0 −160.6 ± 255.7
pull
Entries 64
Mean −108.2
Std Dev 0

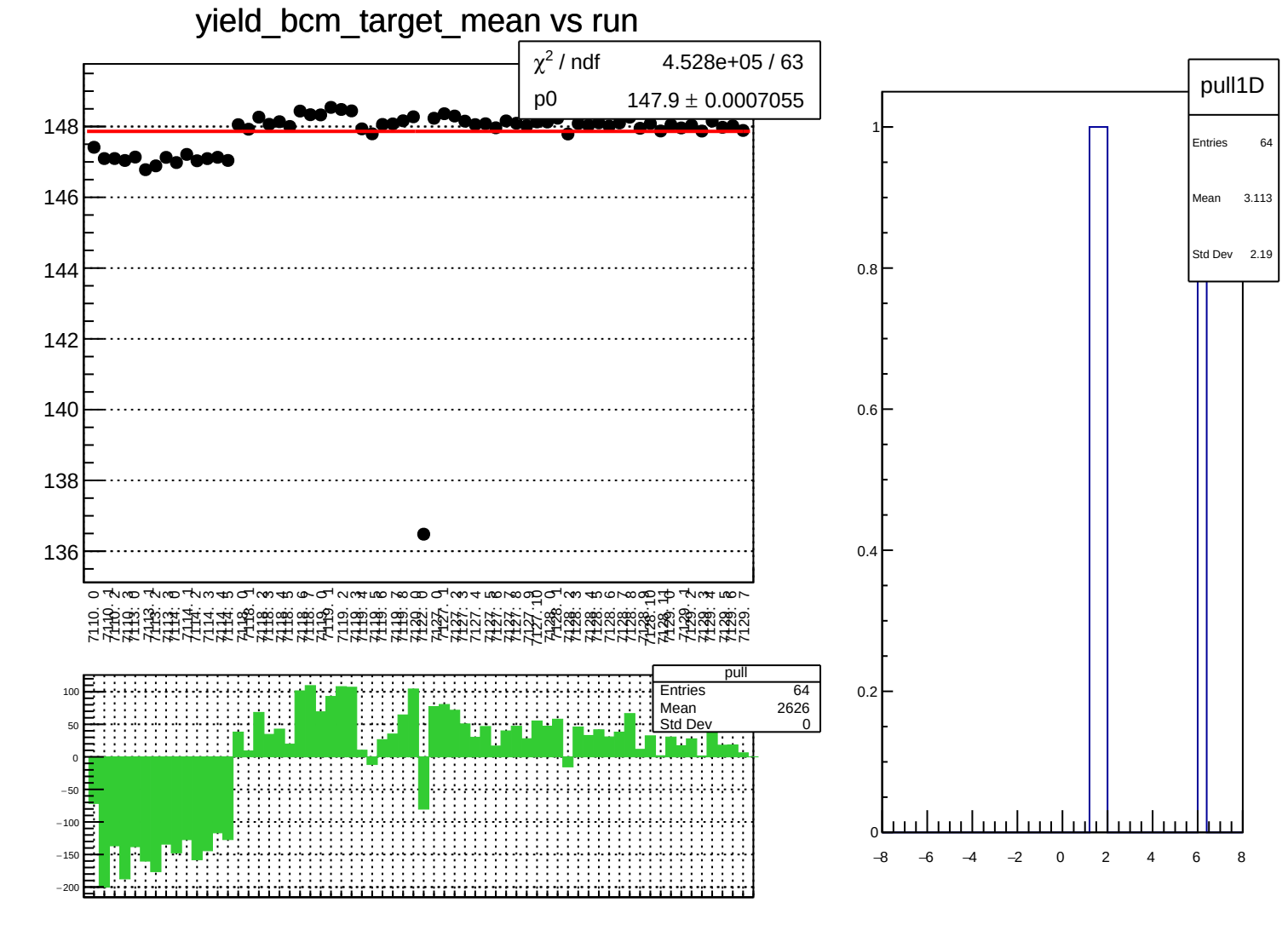

pull1D
Entries 64
Mean 0.0009649
Std Dev 0.3696

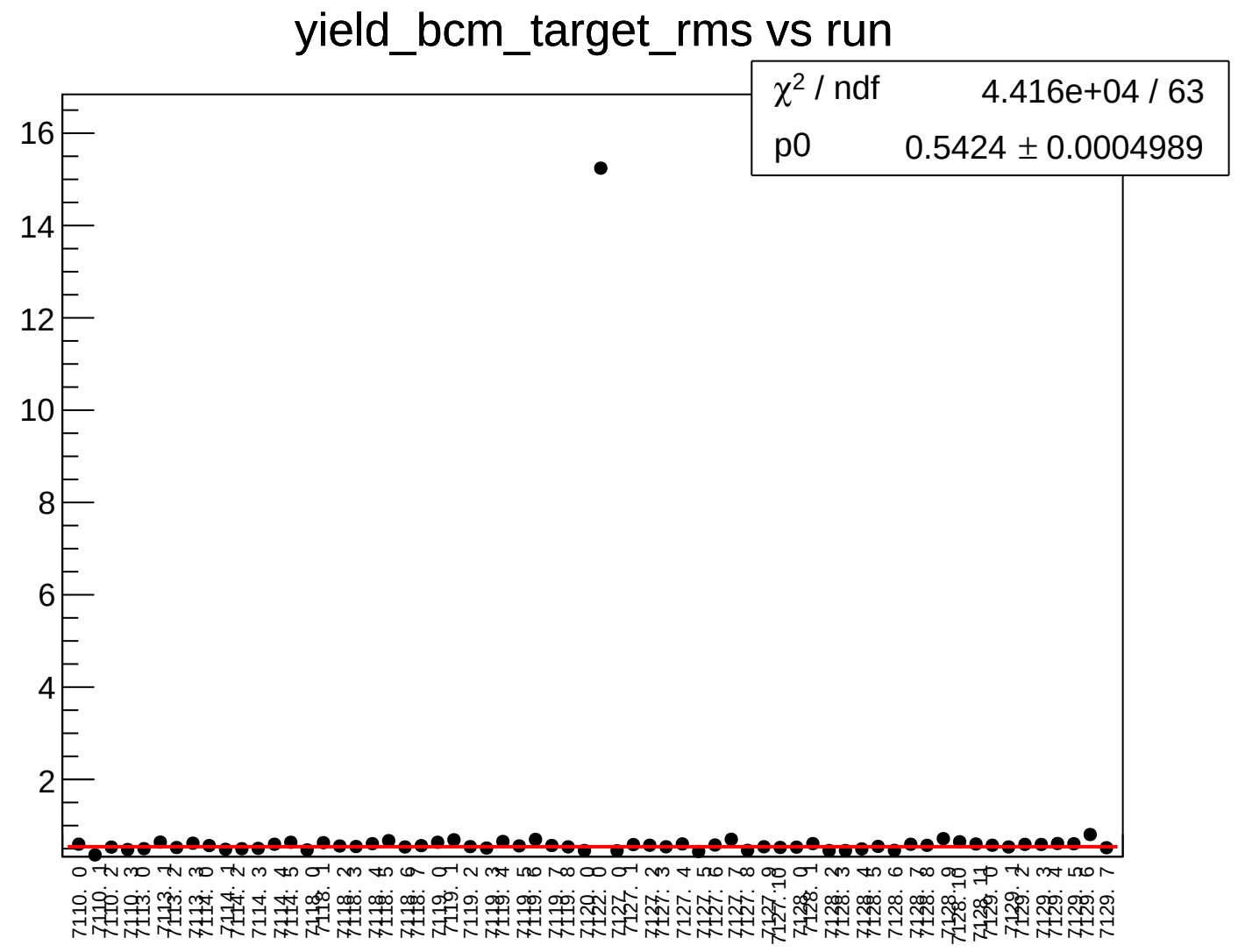

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.205e+04 / 63
p0 198.4 ± 0.1808
350
300
250
200
150

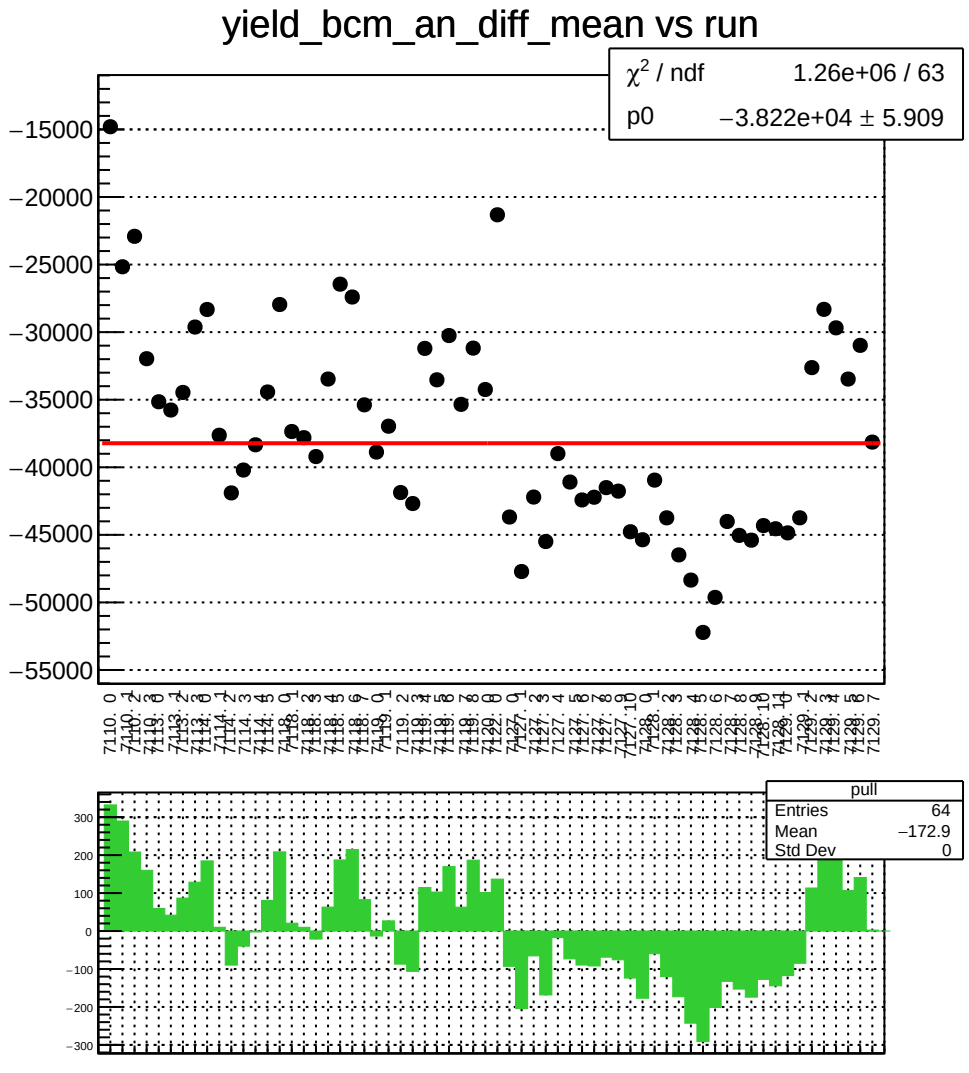

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 72.09 / 63
p0 −14.78 ± 36.78
1000
500
0
−500
−1000
pull
Entries 64
Mean 100
Std Dev 0
2
1
0
−1
−2

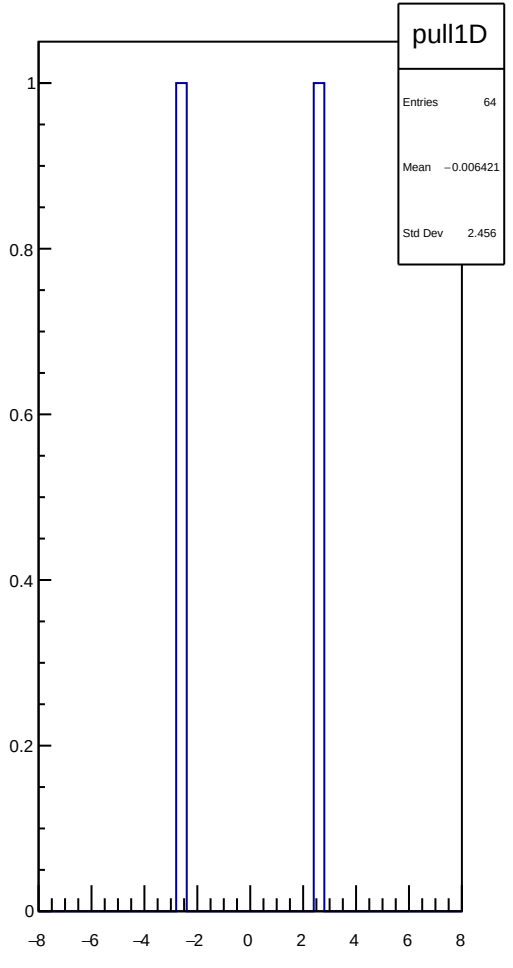

pull1D
Entries 64
Mean 0.01398
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

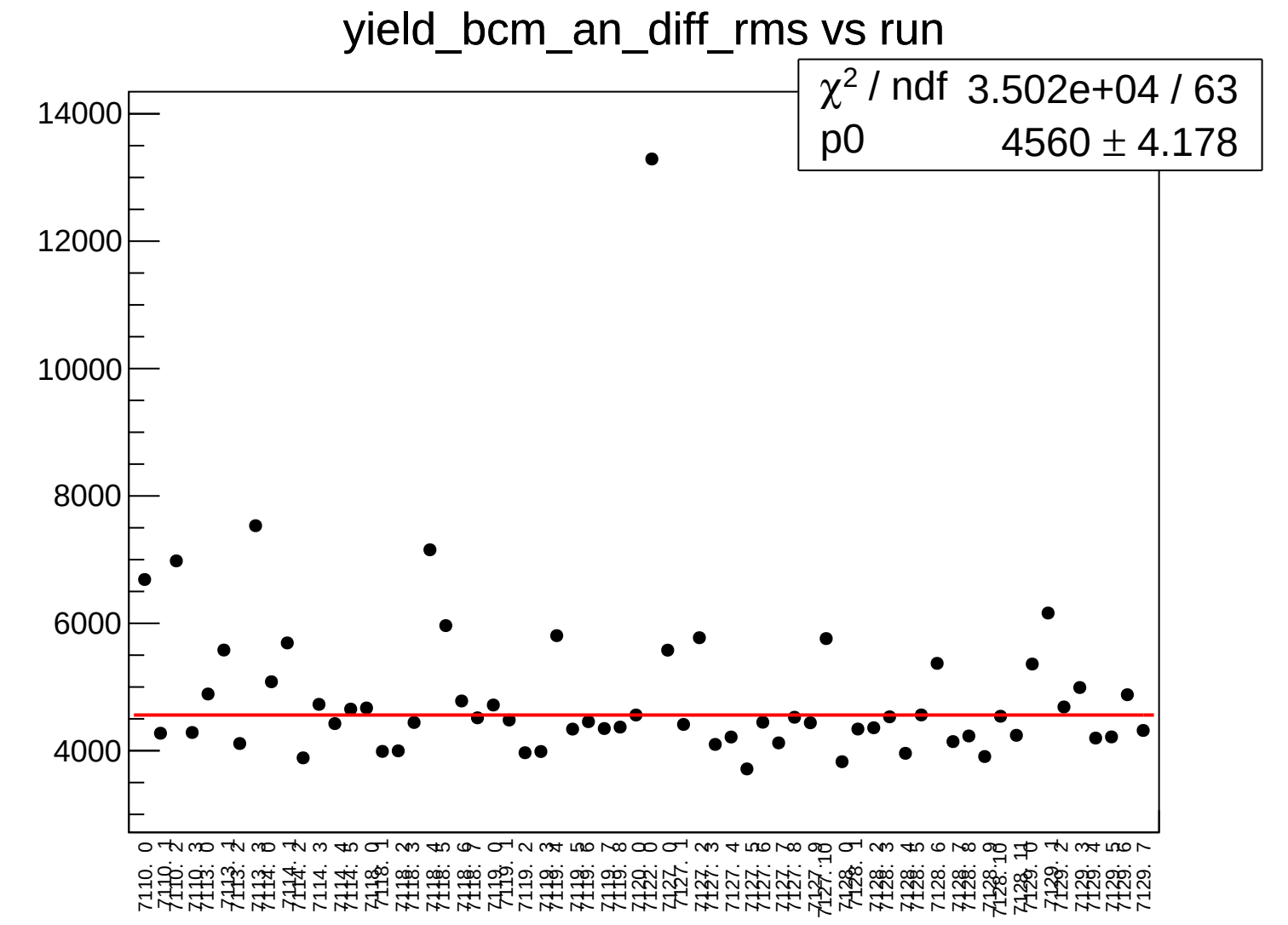

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1188 / 63
p0 28.78 ± 0.02601
31
30
29
28
27
26

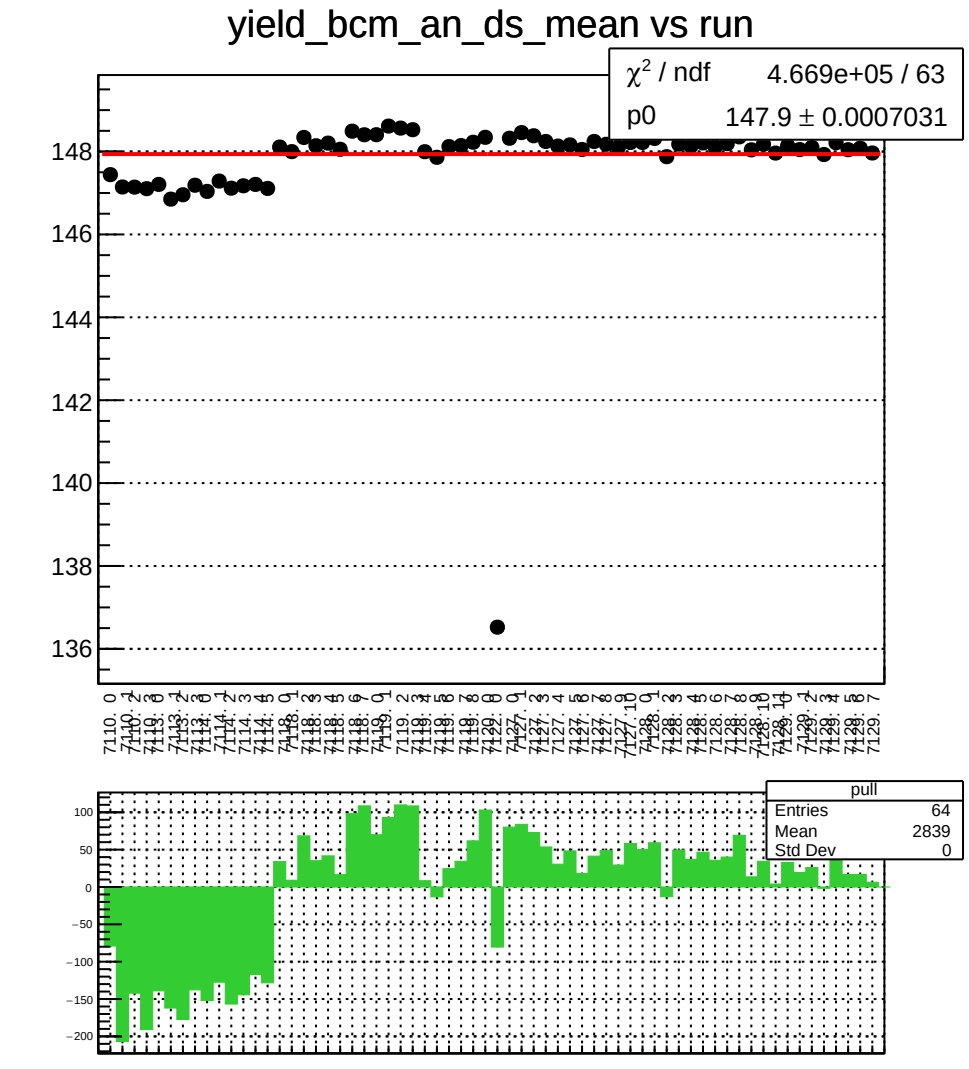

yield_bcm_target_mean vs run
χ² / ndf 4.528e+05 / 63
p0 147.9 ± 0.0007055
148
146
144
142
140
138
136
pull
Entries 64
Mean 2626
Std Dev 0
100
50
0
−50
−100
−150
−200
pull1D
Entries 64
Mean 3.113
Std Dev 2.19
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

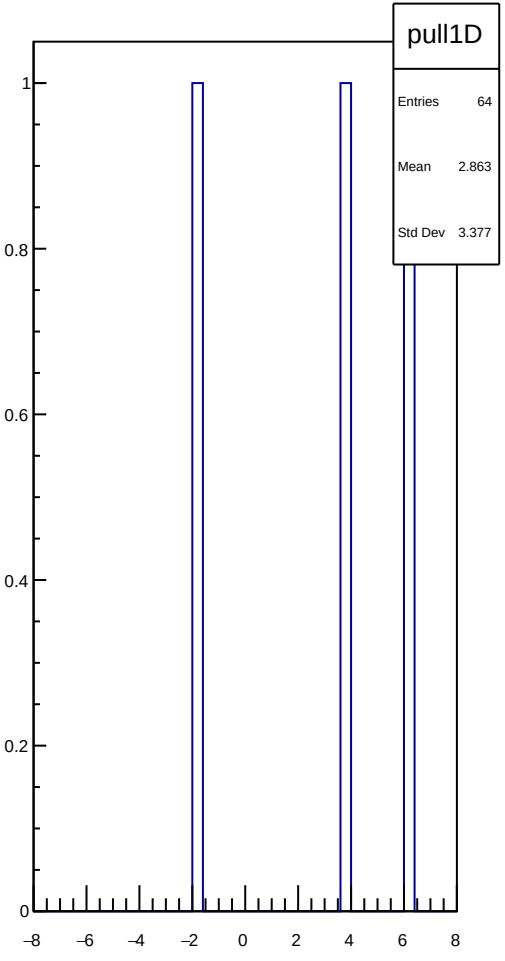

yield_bcm_target_rms vs run
χ² / ndf 4.416e+04 / 63
p0 0.5424 ± 0.0004989
16
14
12
10
8
6
4
2

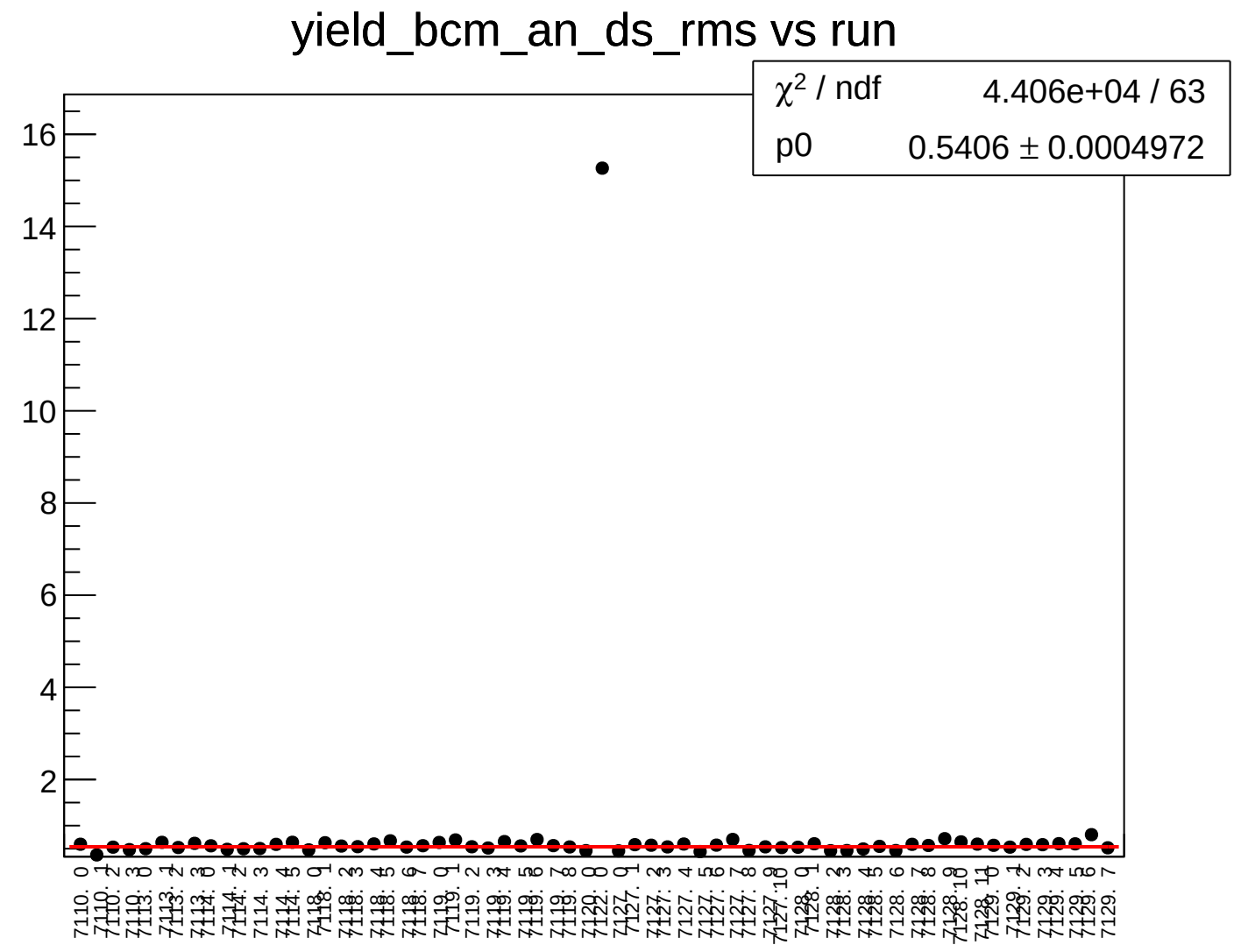

yield_bcm_an_diff_mean vs run
χ² / ndf 1.26e+06 / 63
p0 −3.822e+04 ± 5.909
pull
Entries 64
Mean −172.9
Std Dev 0

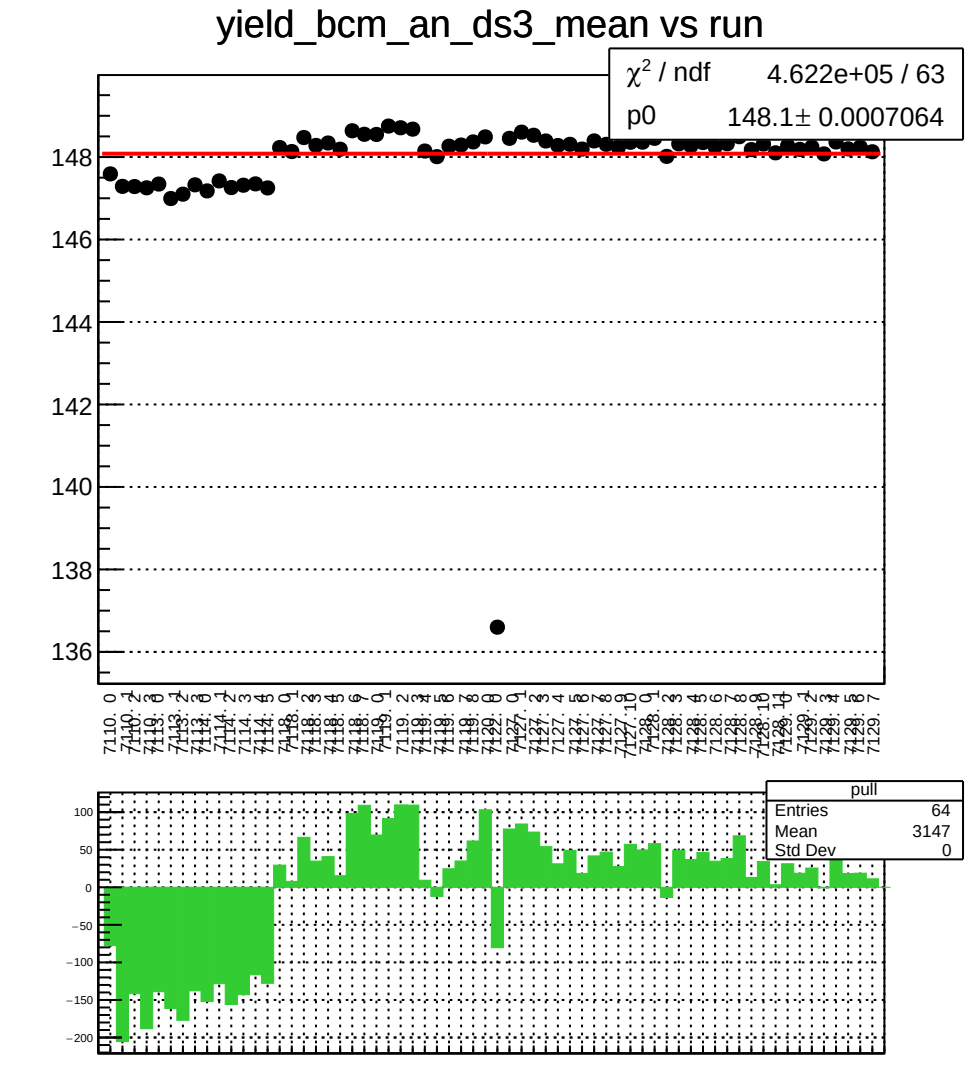

pull1D
Entries 64
Mean −0.006421
Std Dev 2.456

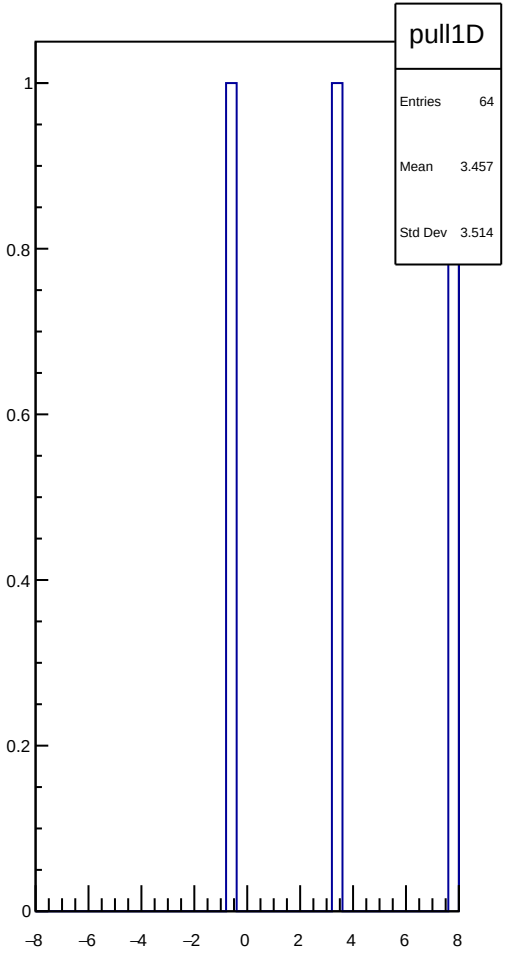

yield_bcm_an_diff_rms vs run
χ² / ndf 3.502e+04 / 63
p0 4560 ± 4.178
14000
12000
10000
8000
6000
4000

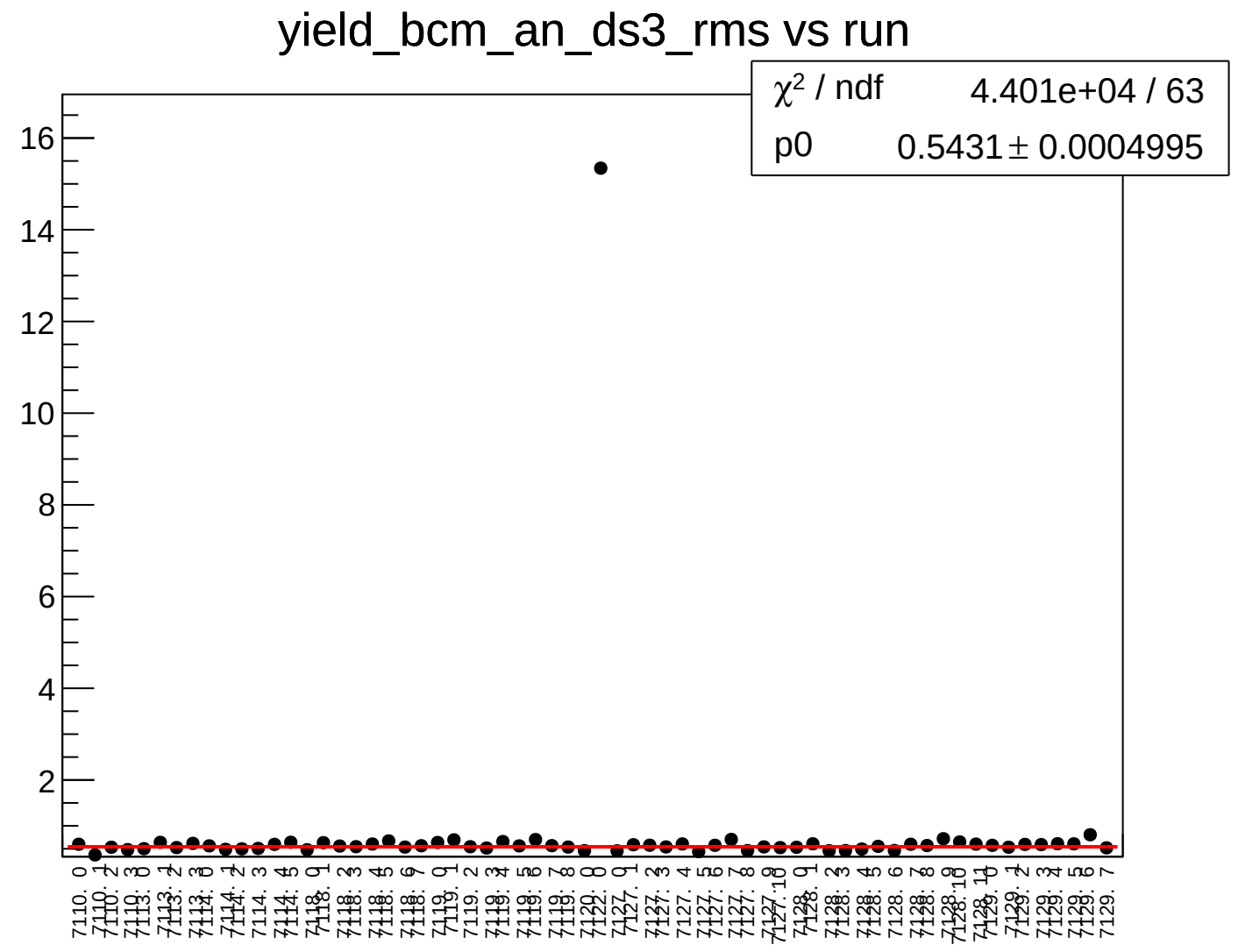

yield_bcm_an_ds_mean vs run
χ² / ndf 4.669e+05 / 63
p0 147.9 ± 0.0007031
148
146
144
142
140
138
136
pull
Entries 64
Mean 2839
Std Dev 0
100
50
0
−50
−100
−150
−200

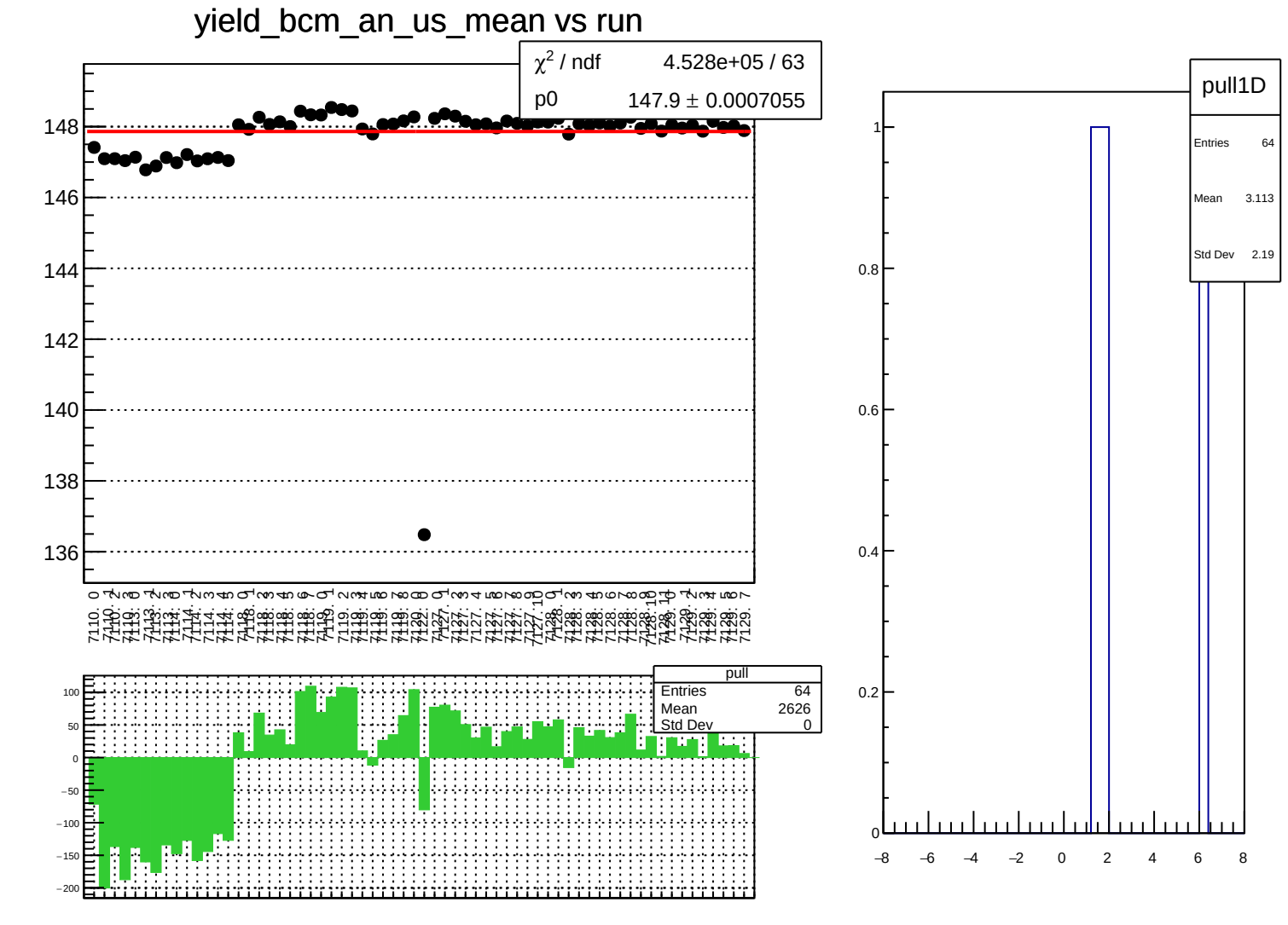

pull1D
Entries 64
Mean 2.863
Std Dev 3.377
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

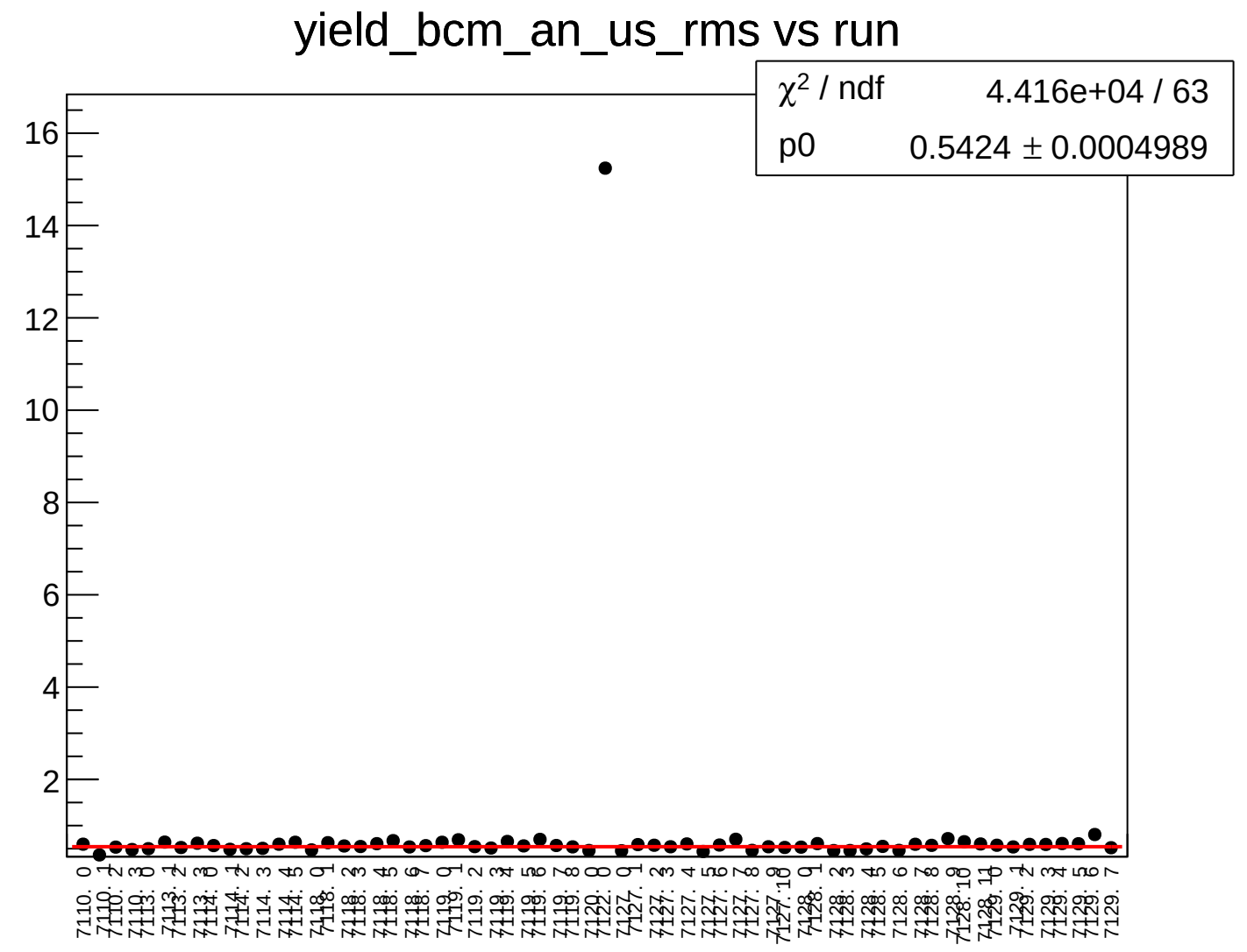

yield_bcm_an_ds_rms vs run
χ² / ndf 4.406e+04 / 63
p0 0.5406 ± 0.0004972
16
14
12
10
8
6
4
2

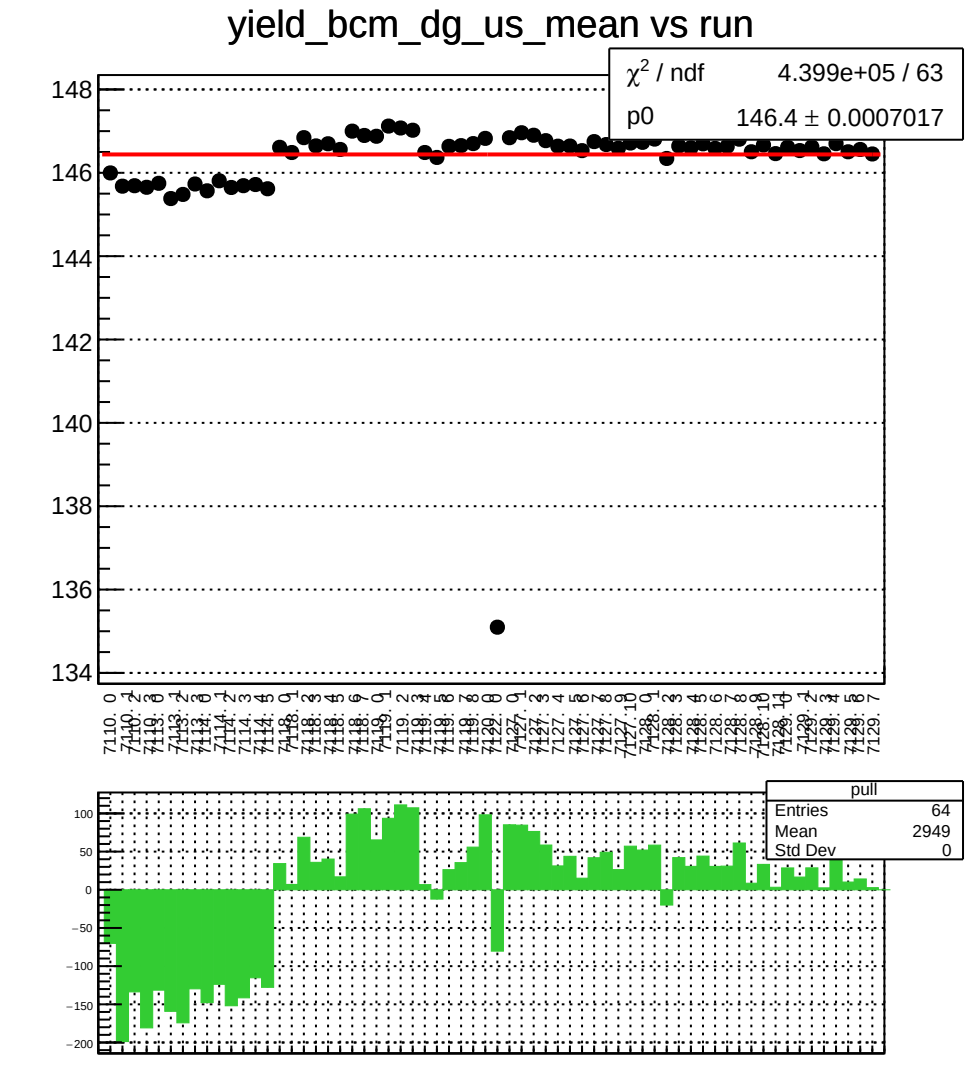

yield_bcm_an_ds3_mean vs run
χ² / ndf 4.622e+05 / 63
p0 148.1± 0.0007064
148
146
144
142
140
138
136
pull
Entries 64
Mean 3147
Std Dev 0
100
50
0
−50
−100
−150
−200

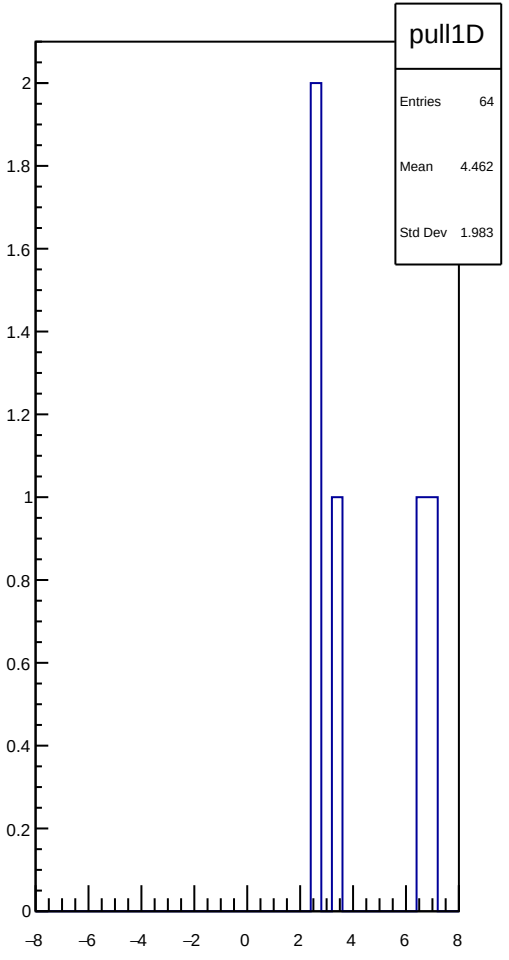

pull1D
Entries 64
Mean 3.457
Std Dev 3.514
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

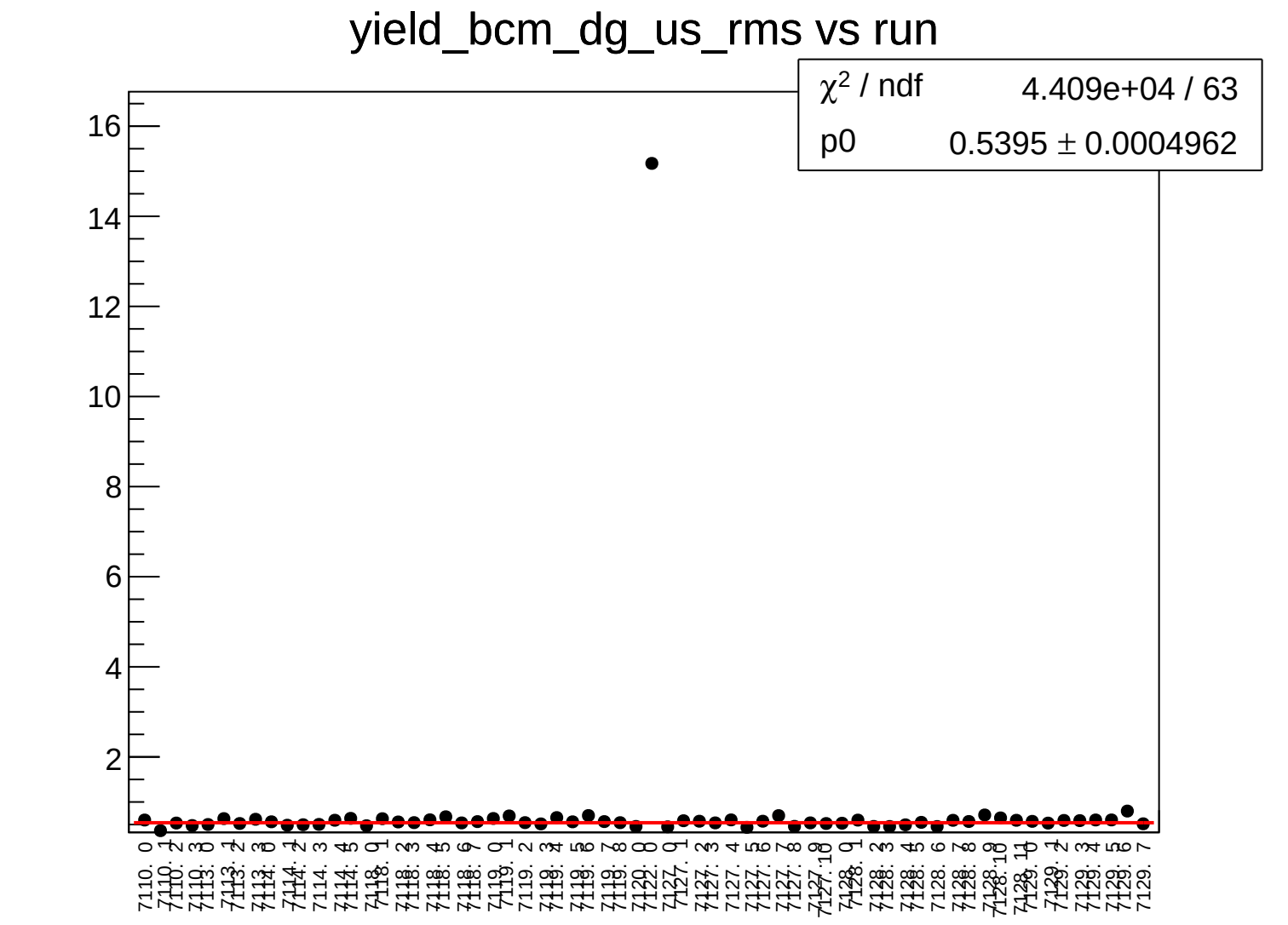

yield_bcm_an_ds3_rms vs run
χ² / ndf 4.401e+04 / 63
p0 0.5431 ± 0.0004995
16
14
12
10
8
6
4
2

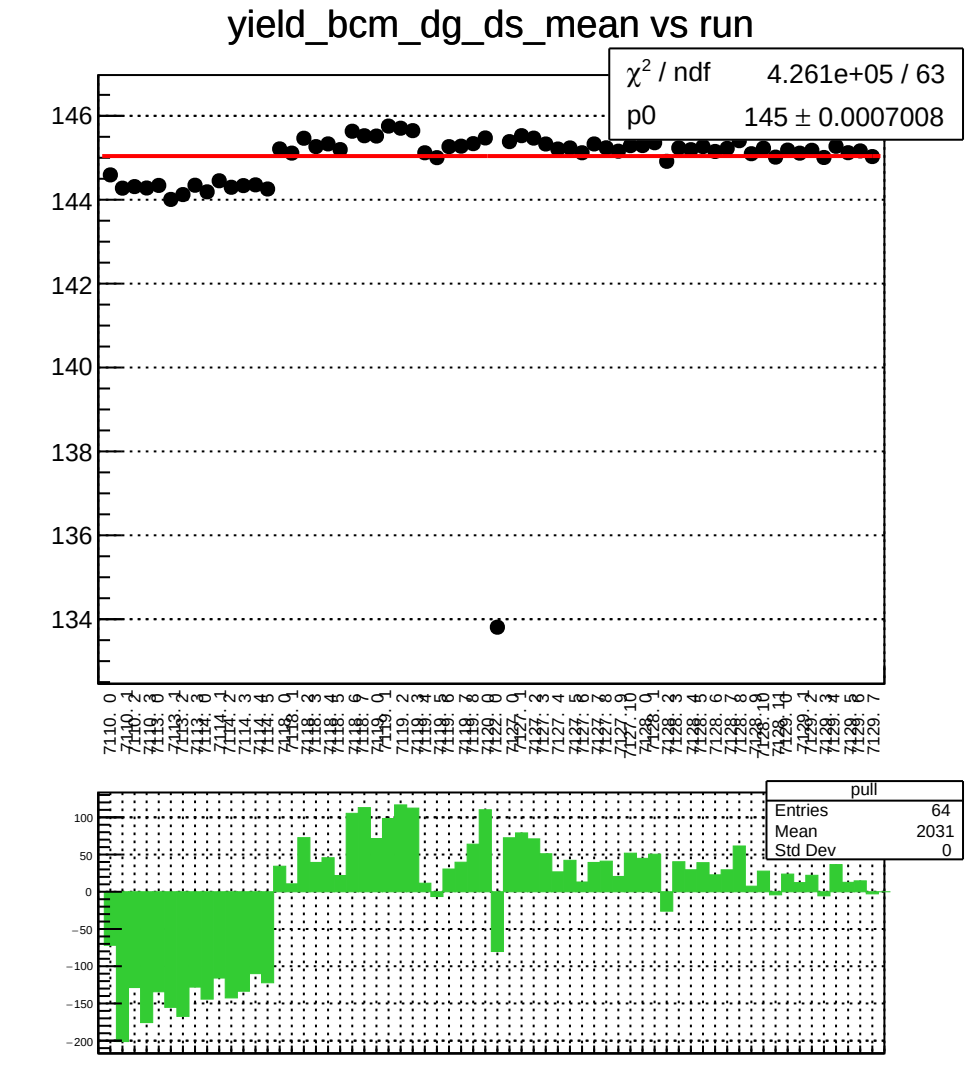

yield_bcm_an_us_mean vs run
χ² / ndf 4.528e+05 / 63
p0 147.9 ± 0.0007055
148
146
144
142
140
138
136
pull
Entries 64
Mean 2626
Std Dev 0
100
50
0
−50
−100
−150
−200
pull1D
Entries 64
Mean 3.113
Std Dev 2.19
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

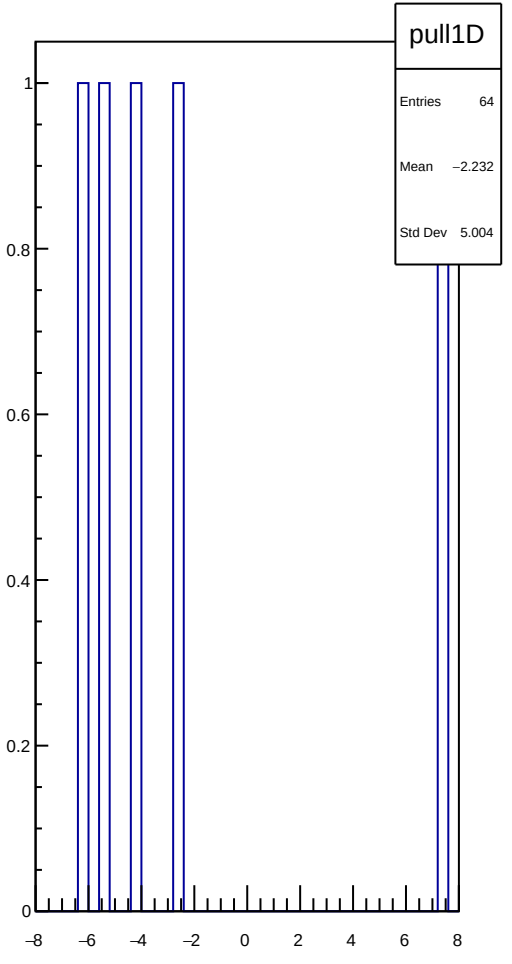

yield_bcm_an_us_rms vs run
χ² / ndf 4.416e+04 / 63
p0 0.5424 ± 0.0004989
16
14
12
10
8
6
4
2

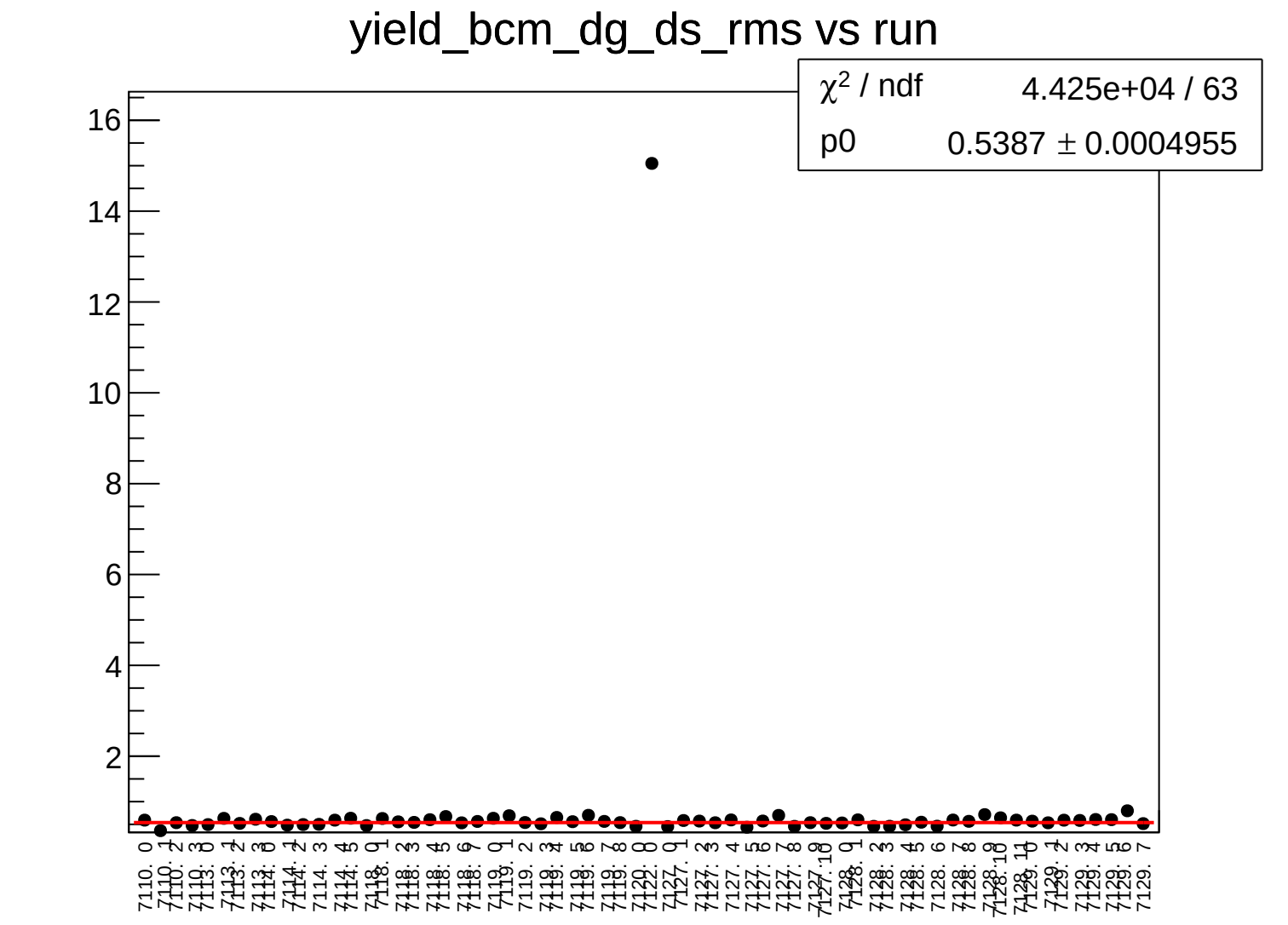

yield_bcm_dg_us_mean vs run
χ² / ndf 4.399e+05 / 63
p0 146.4 ± 0.0007017
148
146
144
142
140
138
136
134
pull
Entries 64
Mean 2949
Std Dev 0
100
50
0
−50
−100
−150
−200

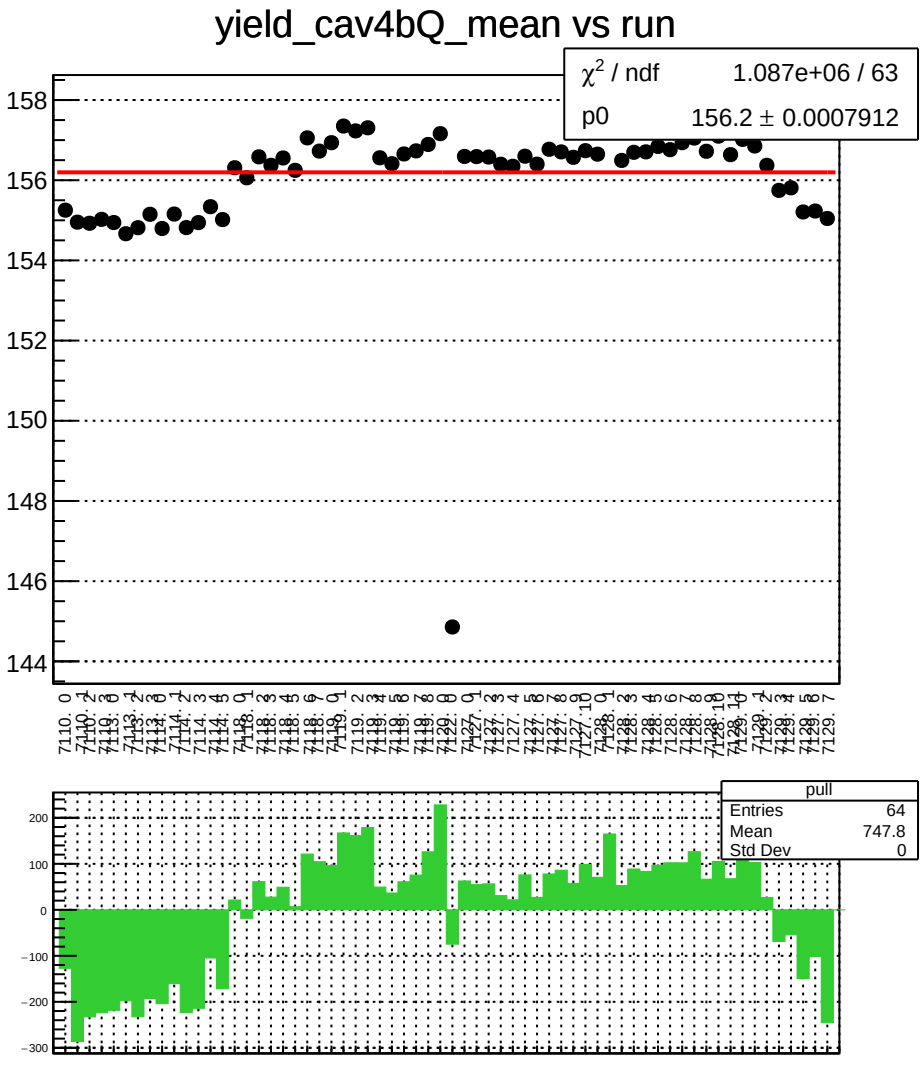

pull1D
Entries 64
Mean 4.462
Std Dev 1.983
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

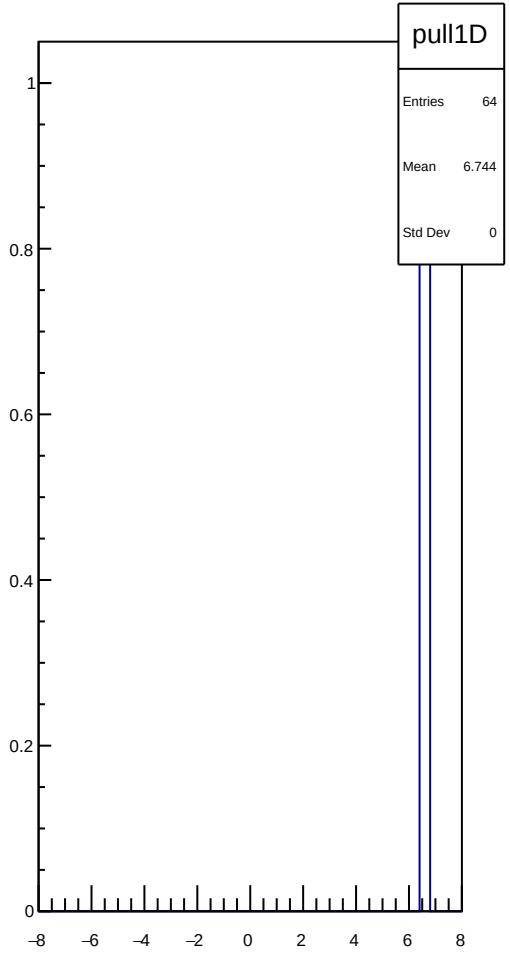

yield_bcm_dg_us_rms vs run
χ² / ndf 4.409e+04 / 63
p0 0.5395 ± 0.0004962
16
14
12
10
8
6
4
2

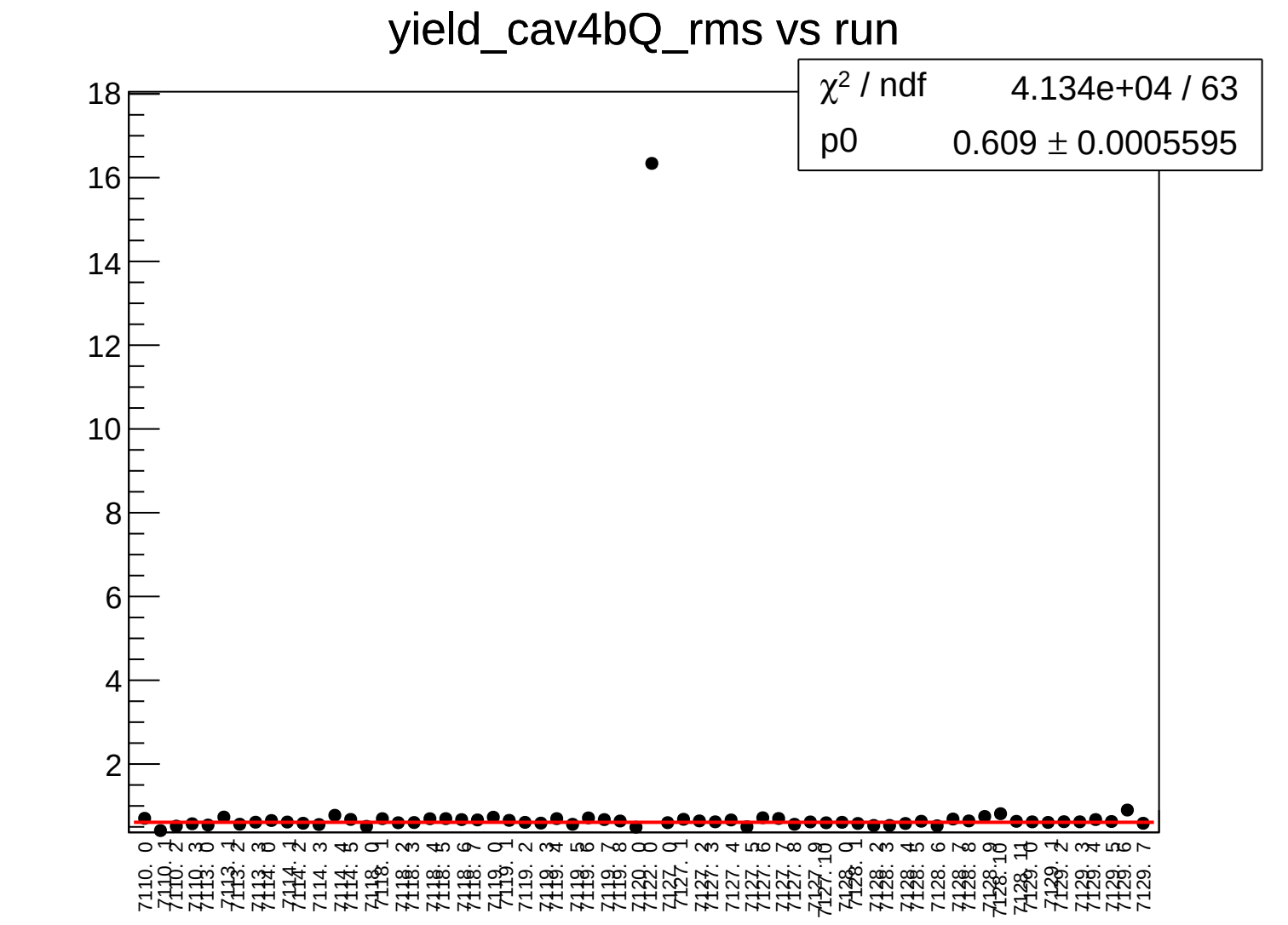

yield_bcm_dg_ds_mean vs run
χ² / ndf 4.261e+05 / 63
p0 145 ± 0.0007008
146
144
142
140
138
136
134
pull
Entries 64
Mean 2031
Std Dev 0
100
50
0
−50
−100
−150
−200

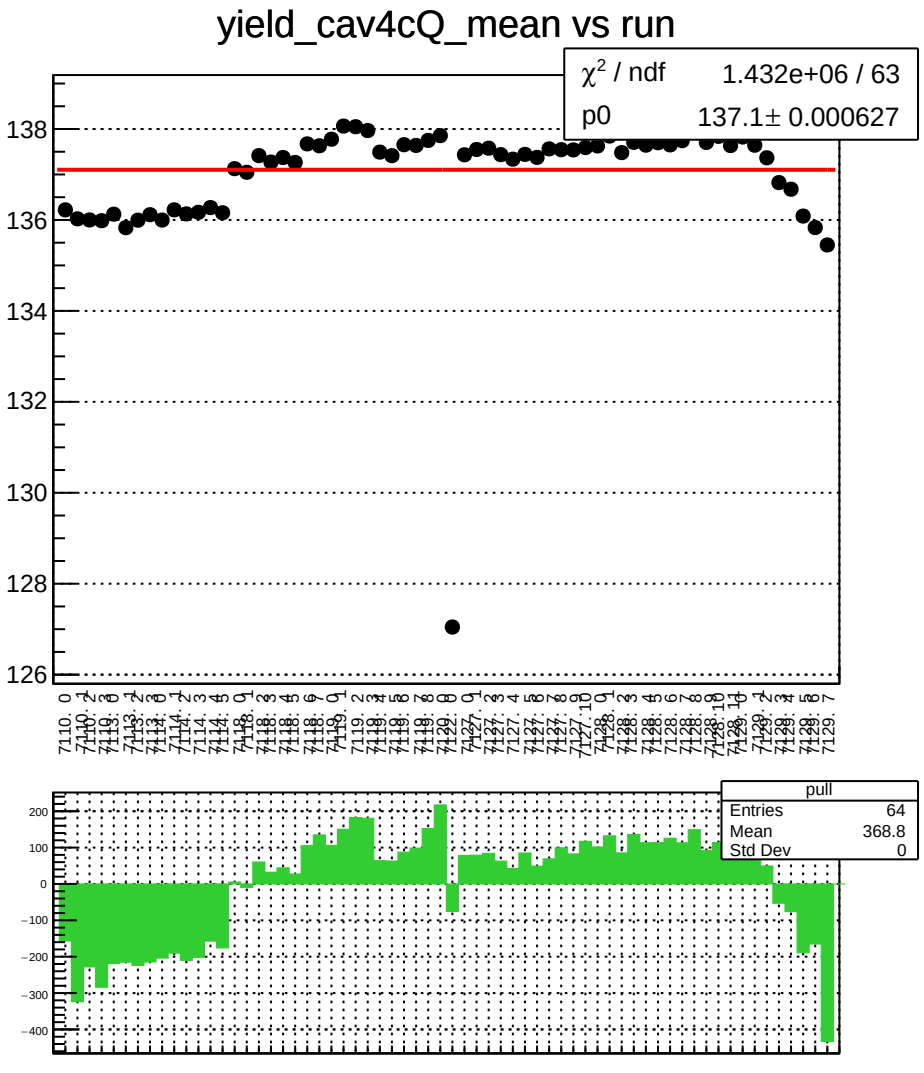

pull1D
Entries 64
Mean −2.232
Std Dev 5.004
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

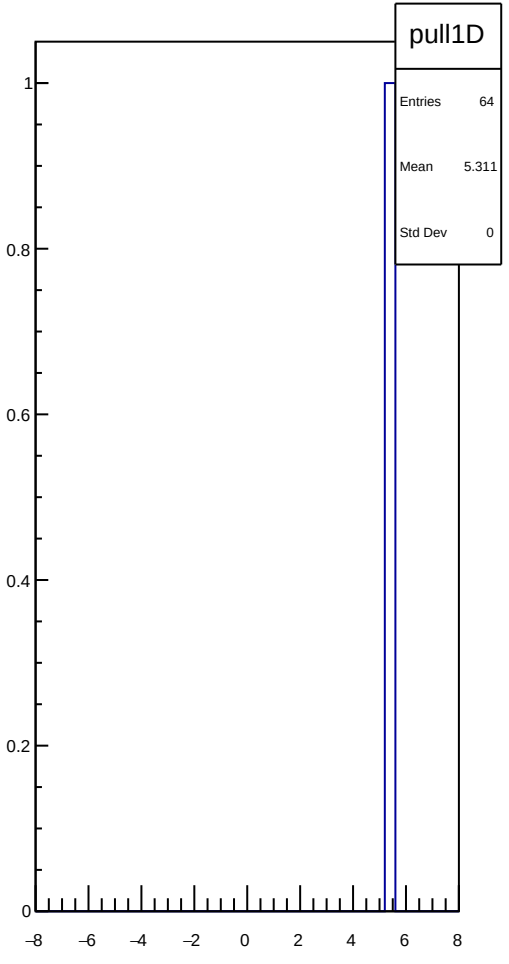

yield_bcm_dg_ds_rms vs run
χ² / ndf 4.425e+04 / 63
p0 0.5387 ± 0.0004955
16
14
12
10
8
6
4
2

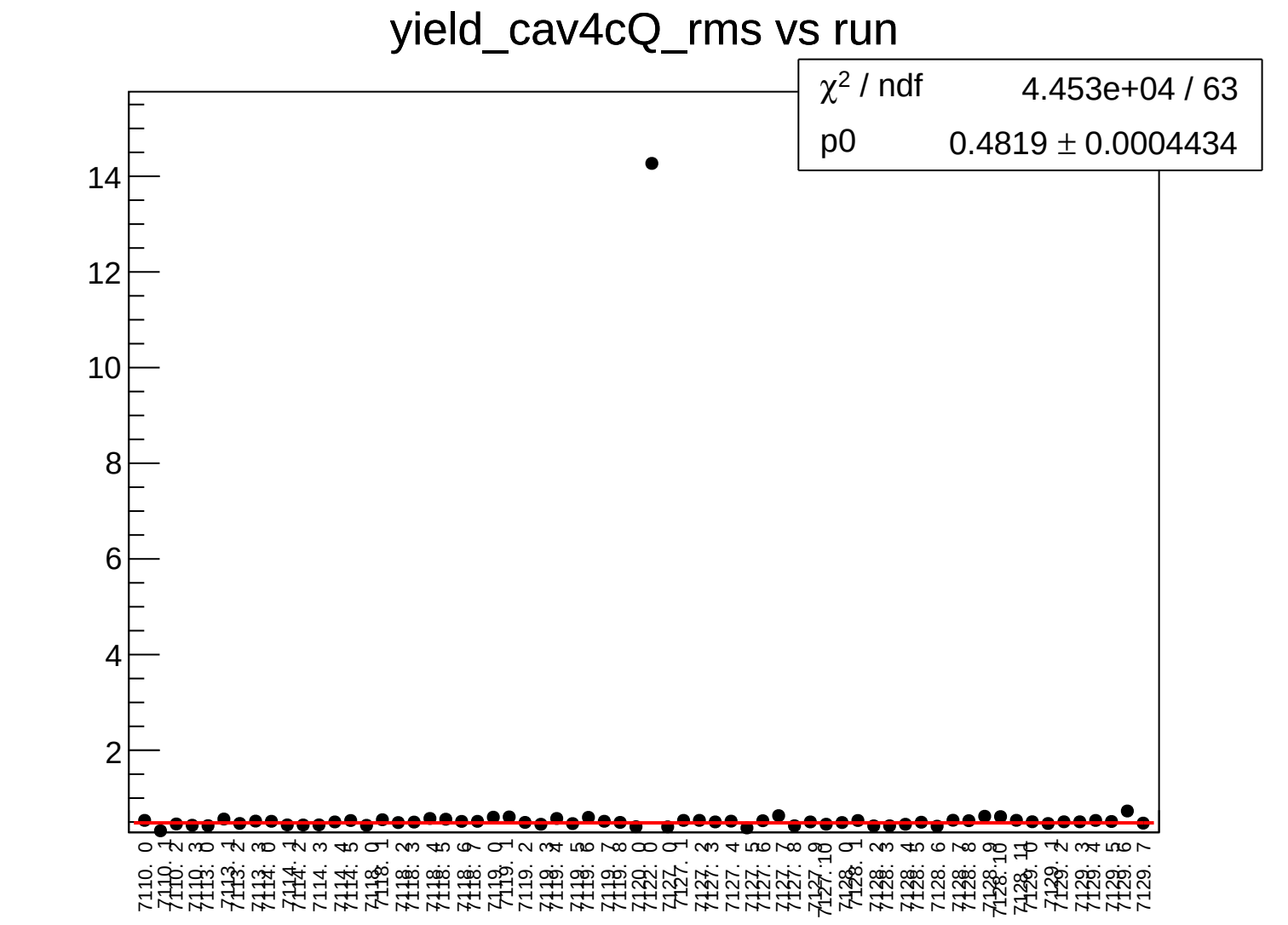

yield_cav4bQ_mean vs run
χ² / ndf 1.087e+06 / 63
p0 156.2 ± 0.0007912
158
156
154
152
150
148
146
144
pull
Entries 64
Mean 747.8
Std Dev 0
200
100
0
−100
−200
−300

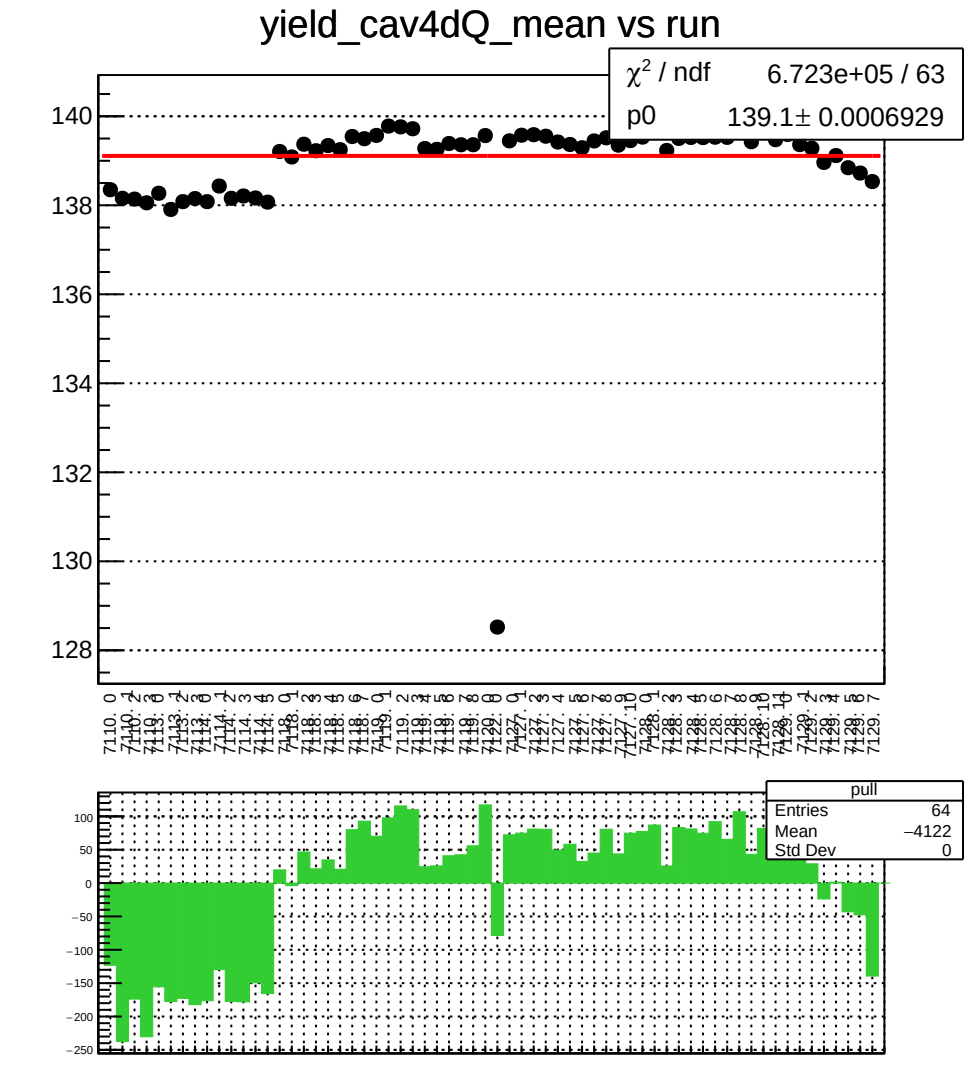

pull1D
Entries 64
Mean 6.744
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

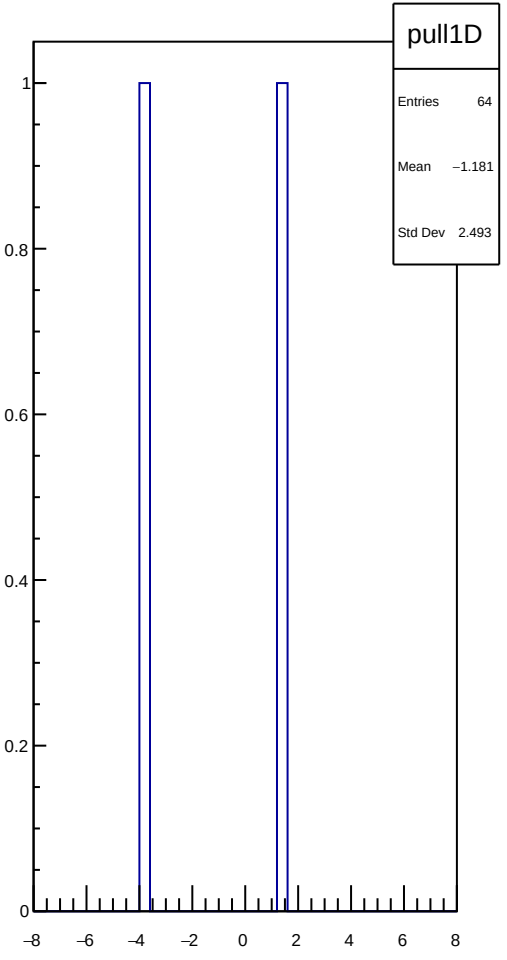

yield_cav4bQ_rms vs run
χ² / ndf 4.134e+04 / 63
p0 0.609 ± 0.0005595
18
16
14
12
10
8
6
4
2

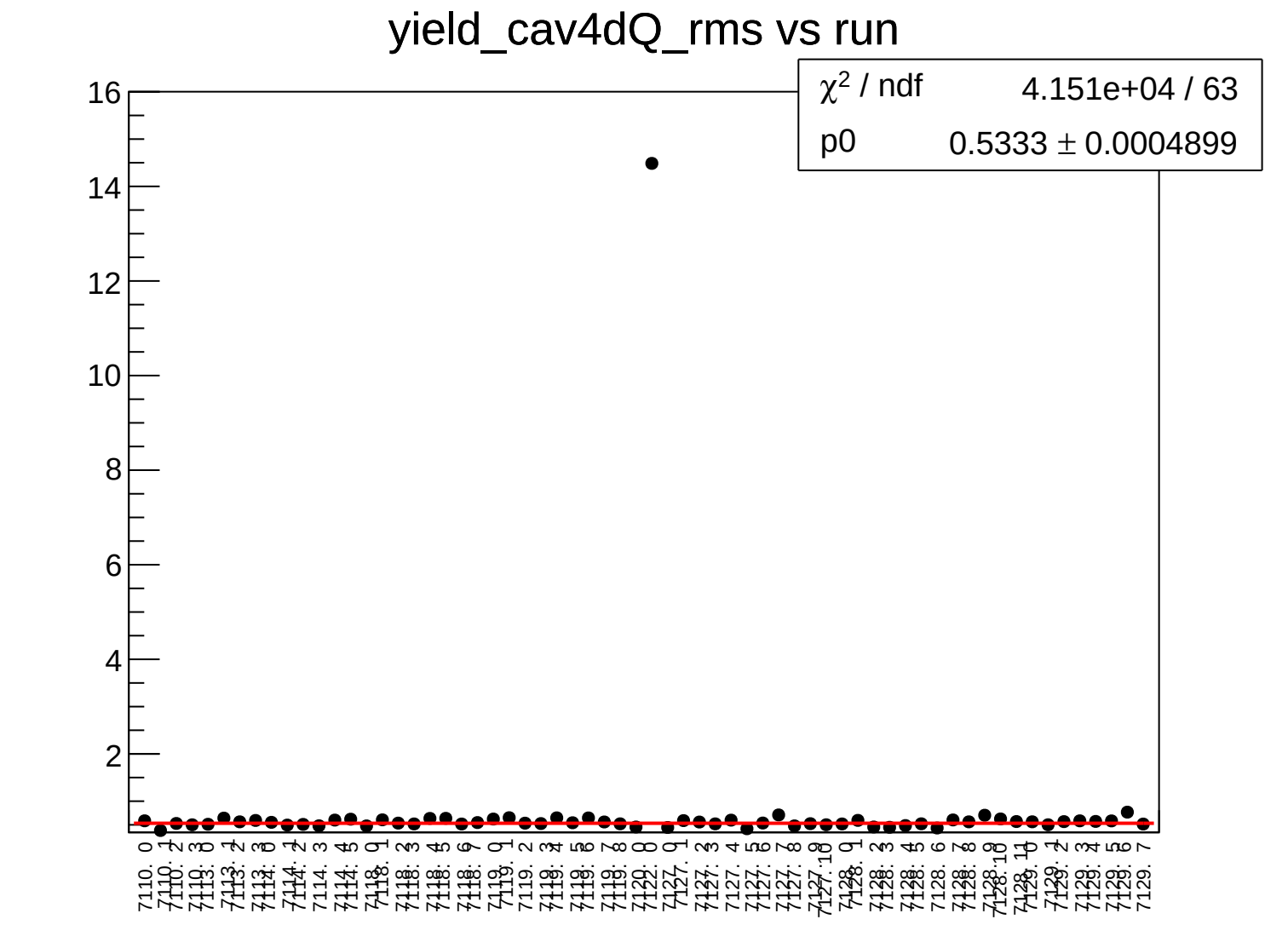

yield_cav4cQ_mean vs run
χ² / ndf 1.432e+06 / 63
p0 137.1± 0.000627
138
136
134
132
130
128
126
pull
Entries 64
Mean 368.8
Std Dev 0
200
100
0
−100
−200
−300
−400

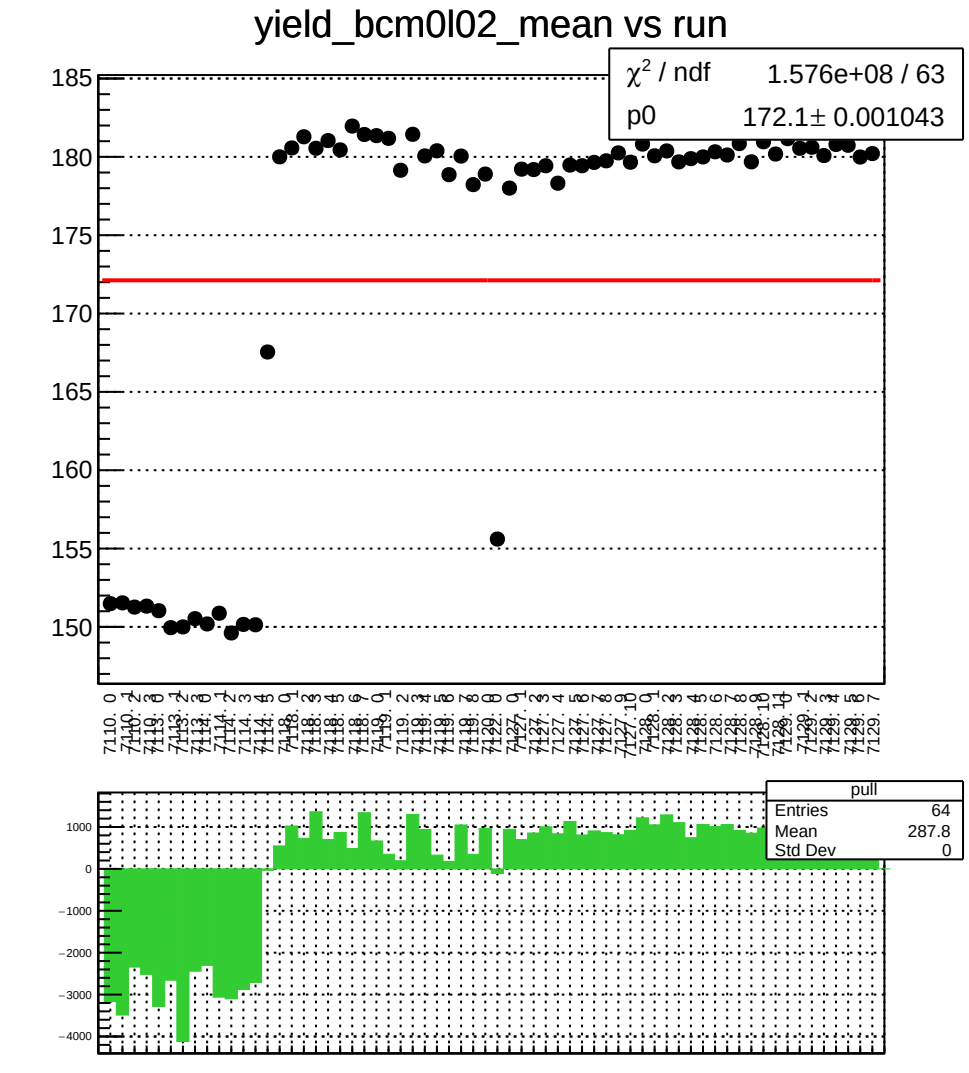

pull1D
Entries 64
Mean 5.311
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

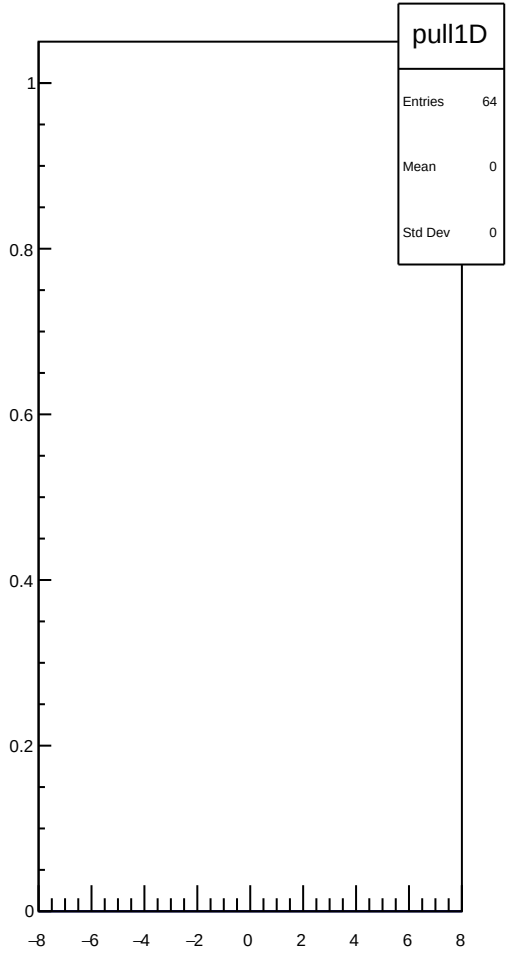

yield_cav4cQ_rms vs run
χ² / ndf 4.453e+04 / 63
p0 0.4819 ± 0.0004434
14
12
10
8
6
4
2

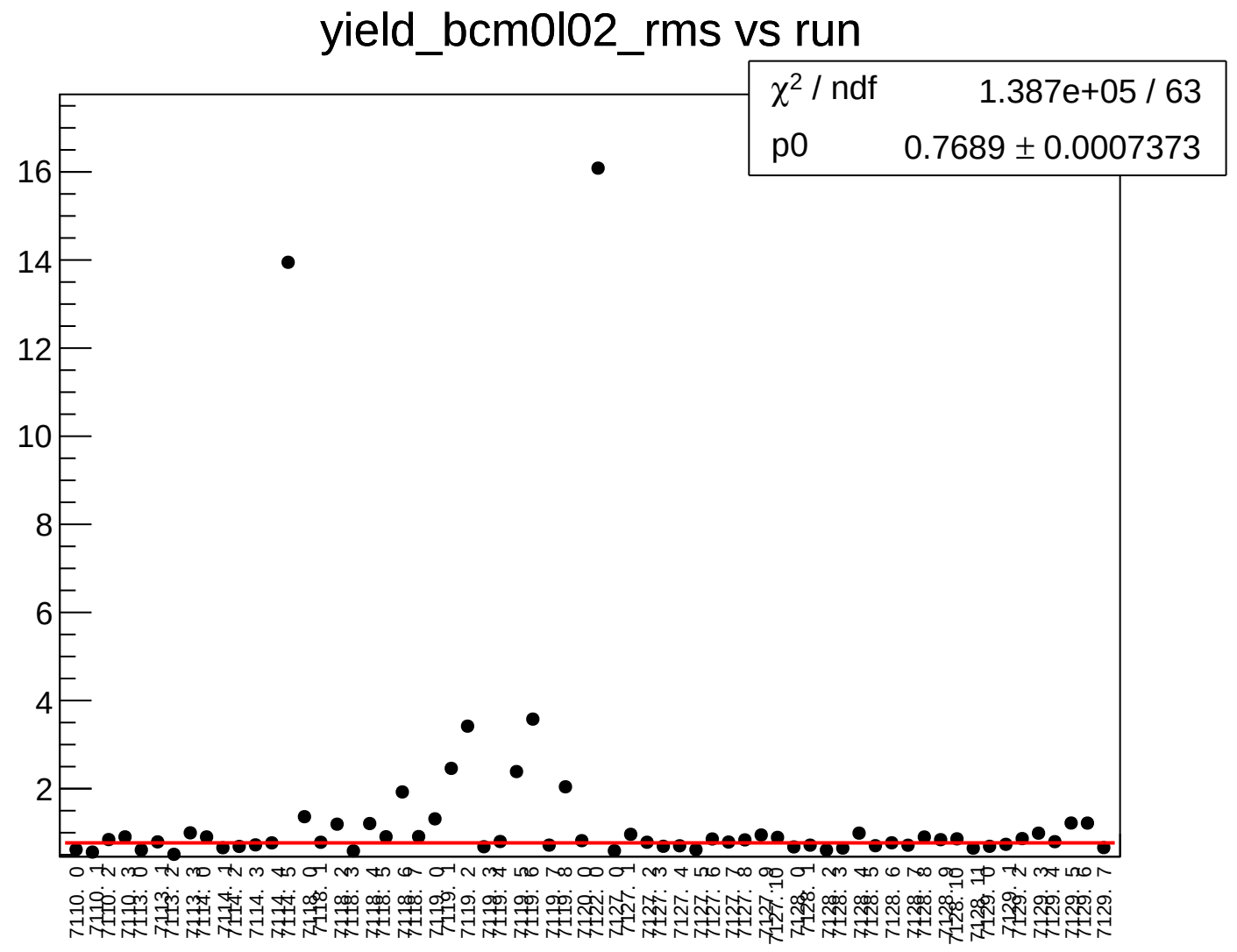

yield_cav4dQ_mean vs run
χ² / ndf 6.723e+05 / 63
p0 139.1± 0.0006929
pull
Entries 64
Mean −4122
Std Dev 0

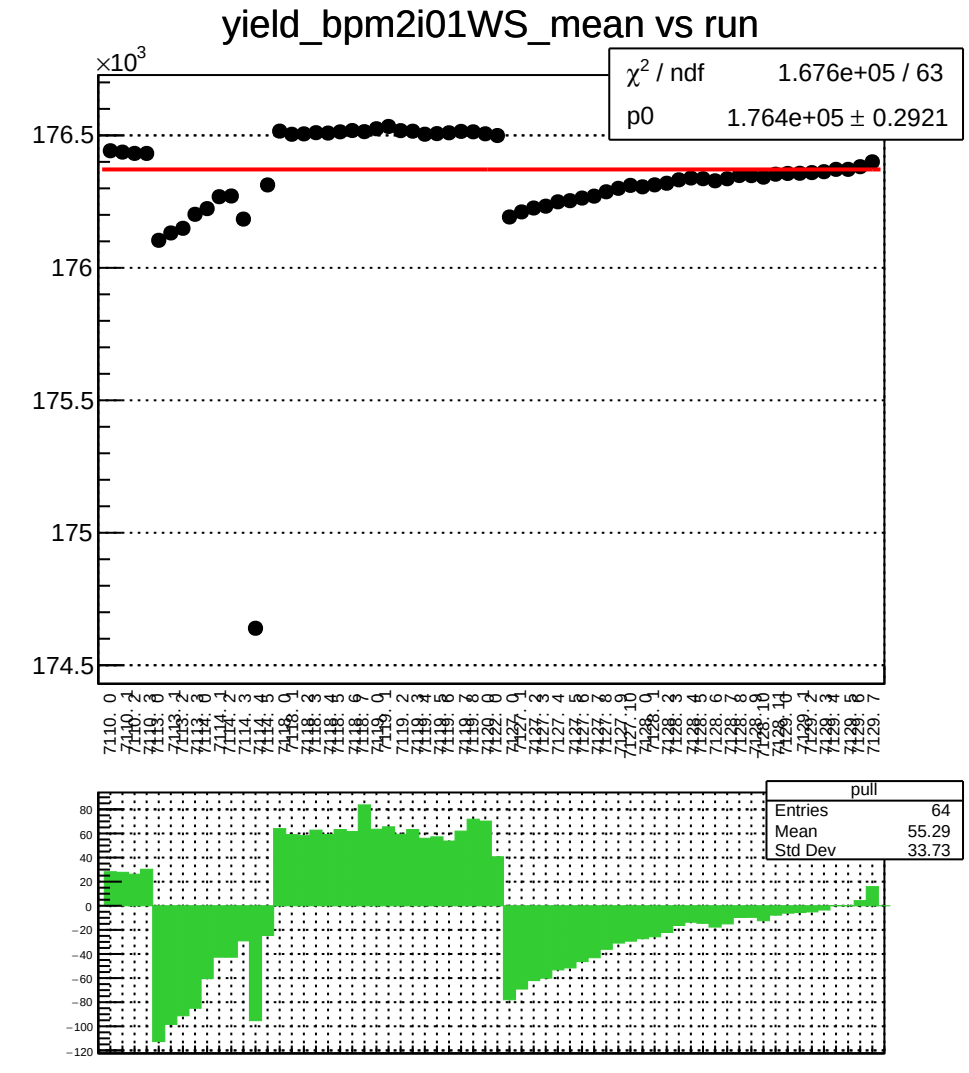

pull1D
Entries 64
Mean −1.181
Std Dev 2.493

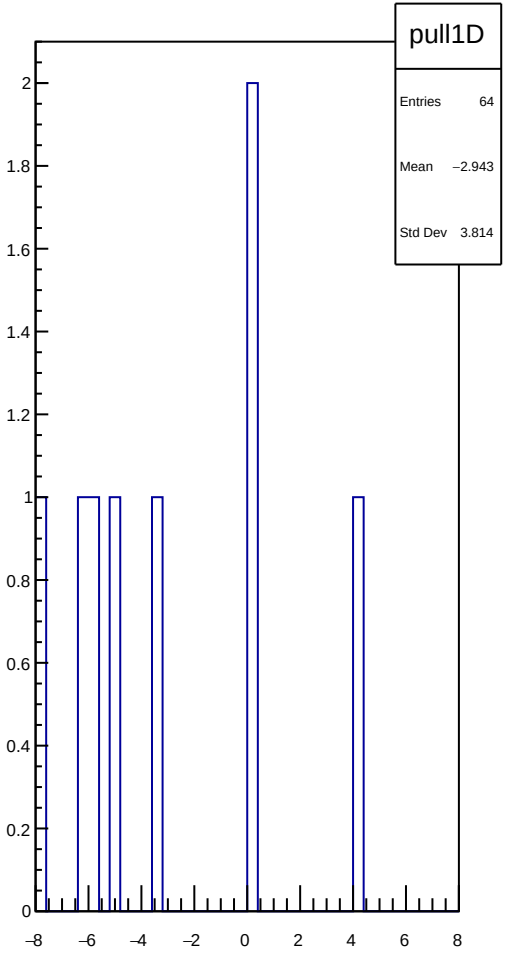

yield_cav4dQ_rms vs run
χ² / ndf 4.151e+04 / 63
p0 0.5333 ± 0.0004899
16
14
12
10
8
6
4
2

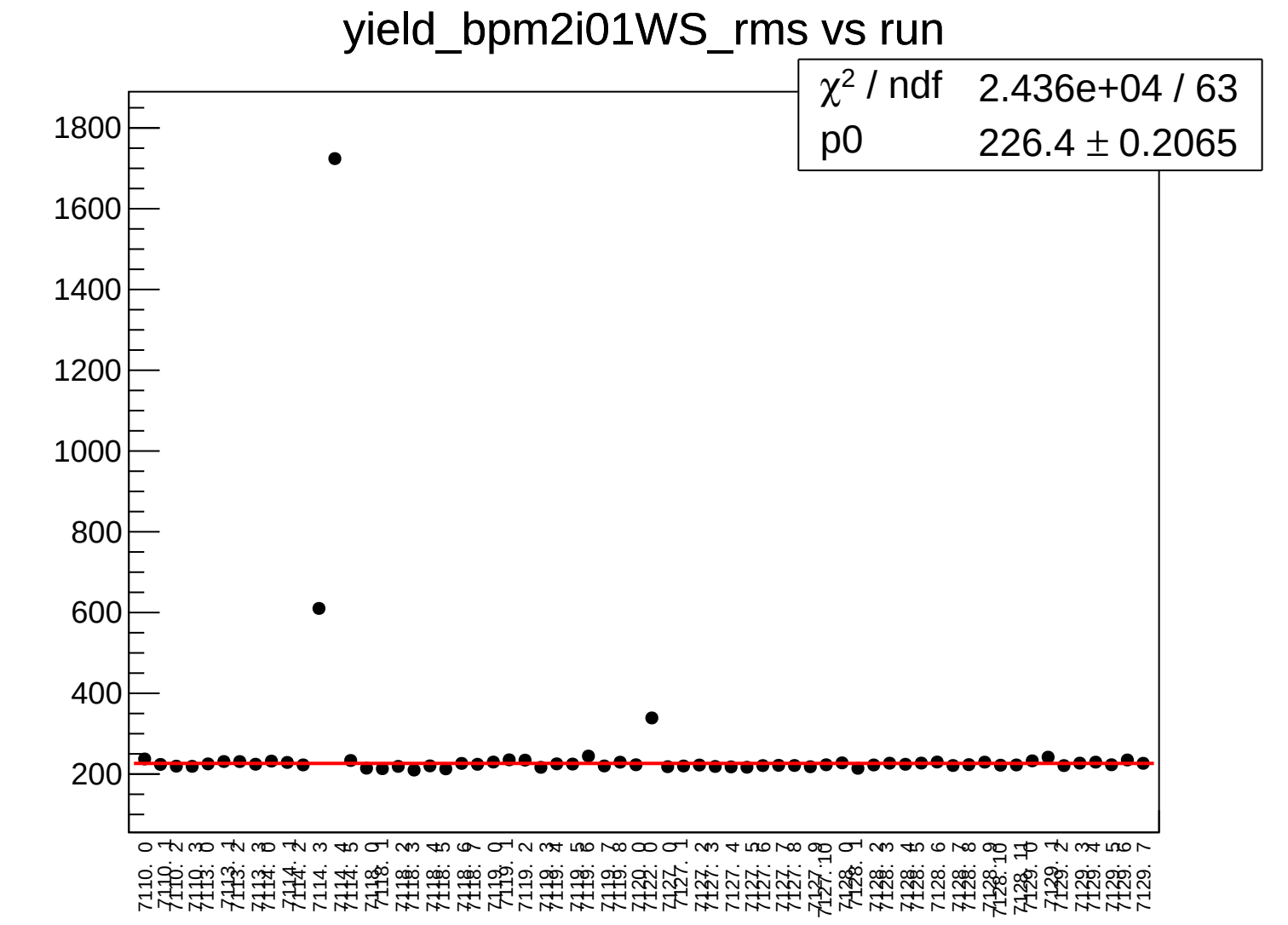

yield_bcm0l02_mean vs run
χ² / ndf 1.576e+08 / 63
p0 172.1± 0.001043
185
180
175
170
165
160
155
150
pull
Entries 64
Mean 287.8
Std Dev 0
1000
0
−1000
−2000
−3000
−4000

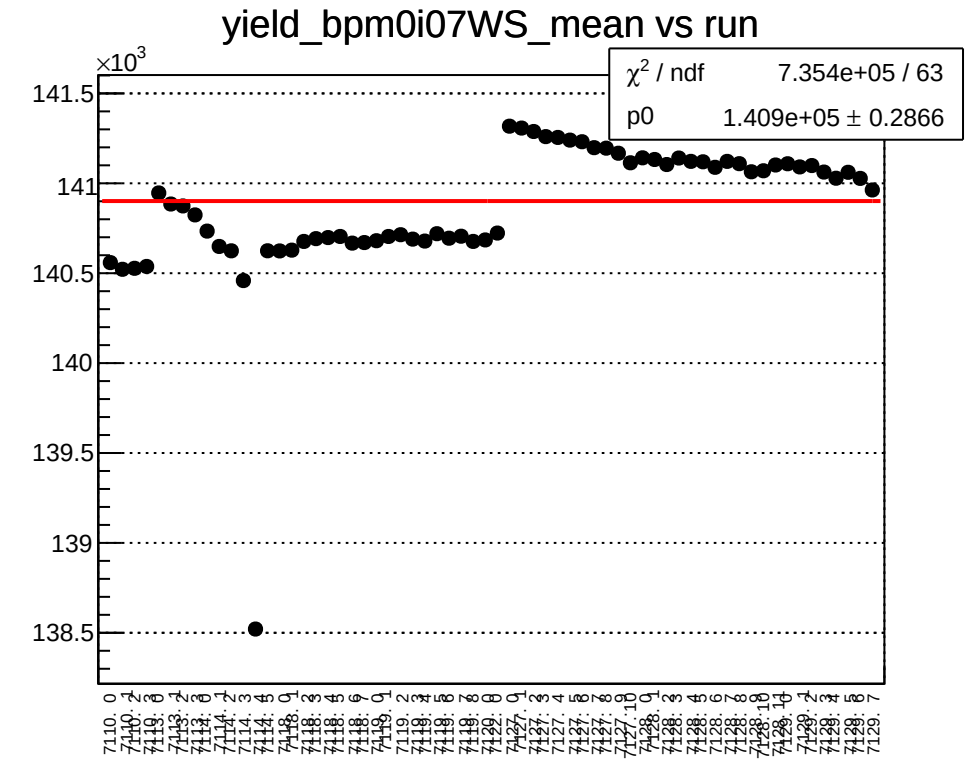

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

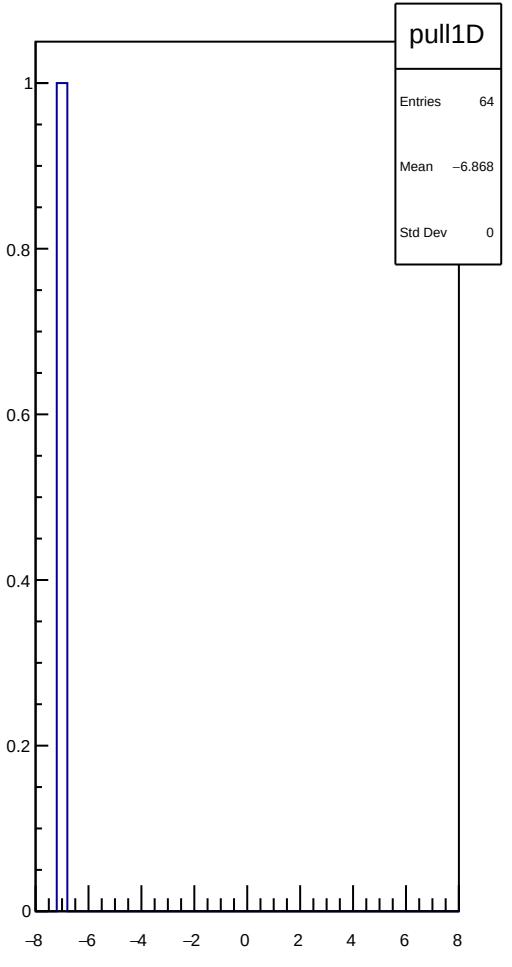

yield_bcm0l02_rms vs run
χ² / ndf 1.387e+05 / 63
p0 0.7689 ± 0.0007373
16
14
12
10
8
6
4
2

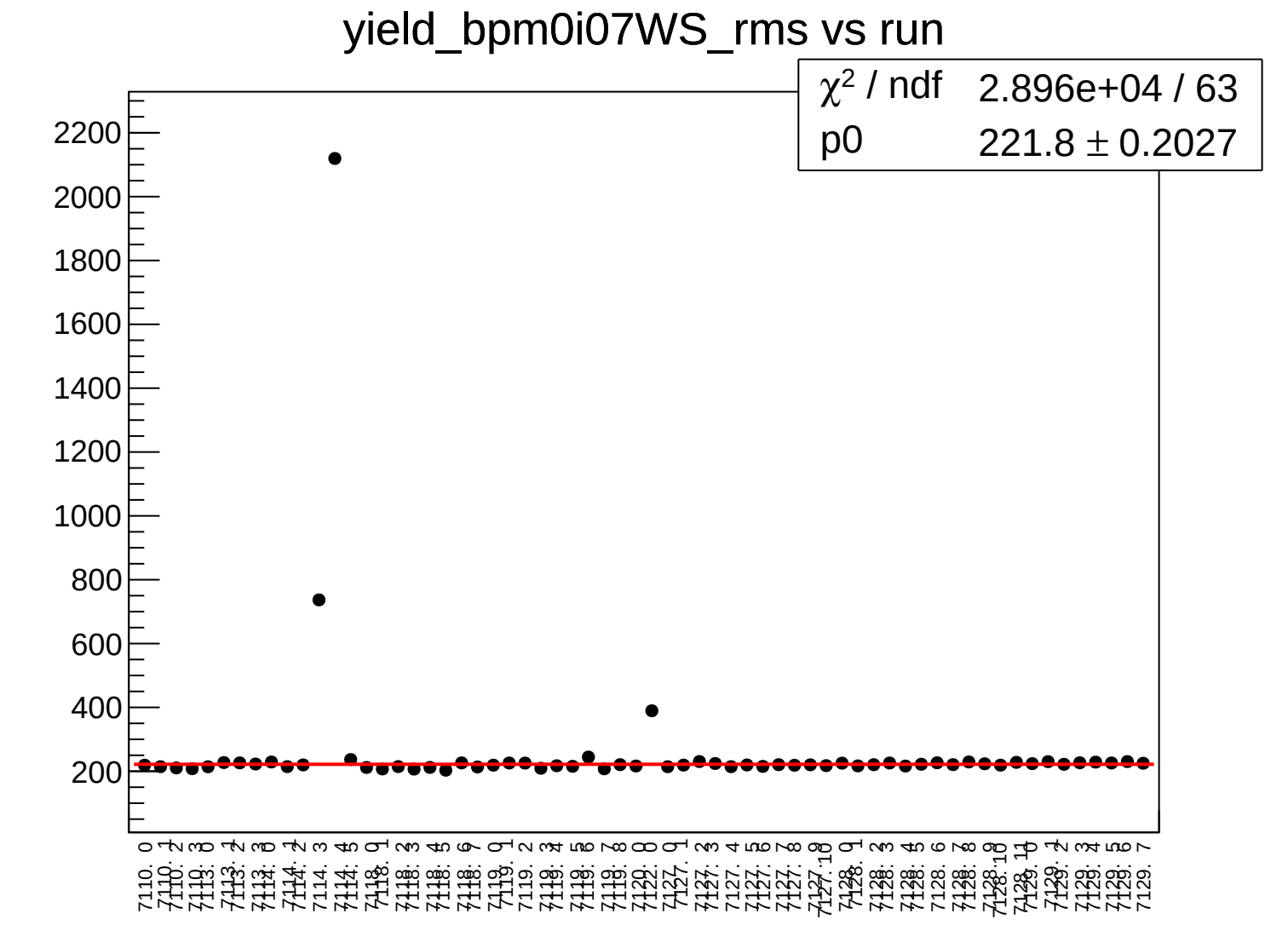

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.676e+05 / 63
p0 1.764e+05 ± 0.2921
176.5
176
175.5
175
174.5
pull
Entries 64
Mean 55.29
Std Dev 33.73
80
60
40
20
0
−20
−40
−60
−80
−100
−120

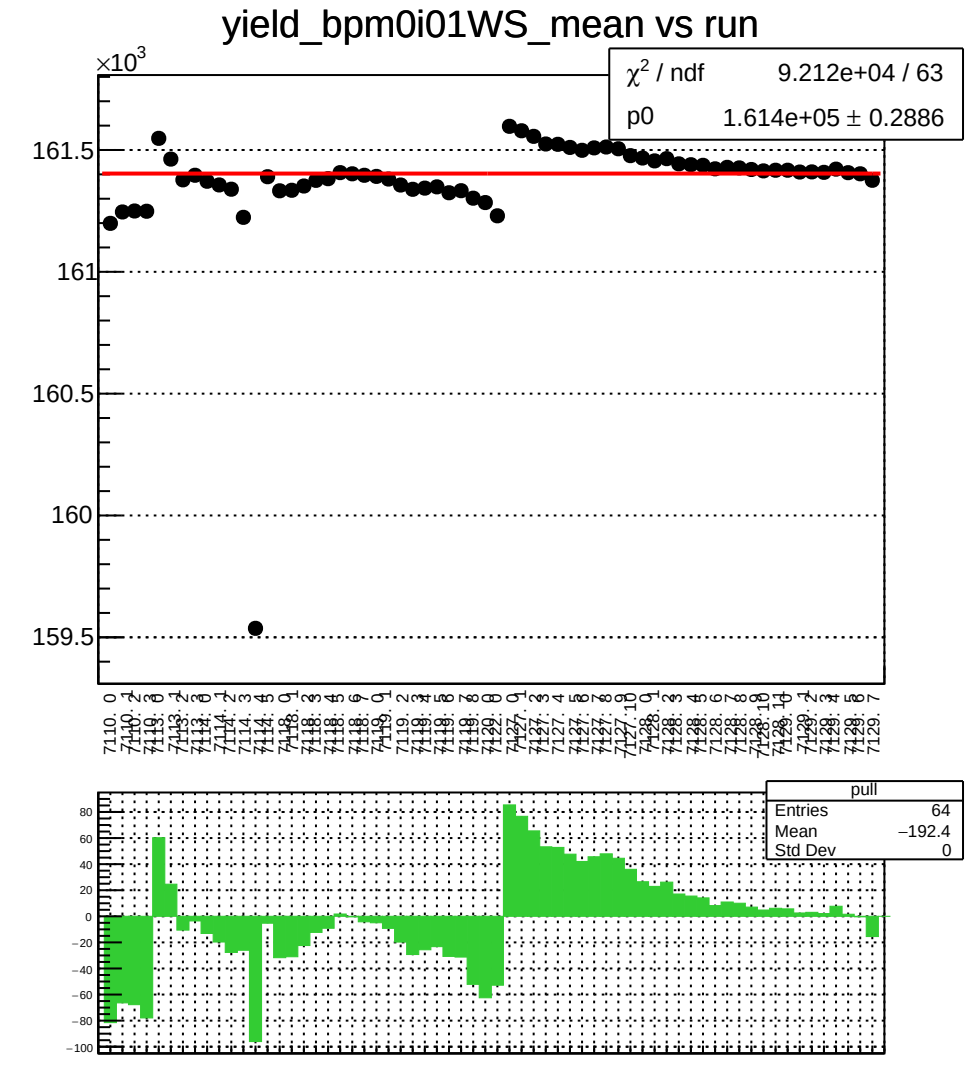

pull1D
Entries 64
Mean −2.943
Std Dev 3.814
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

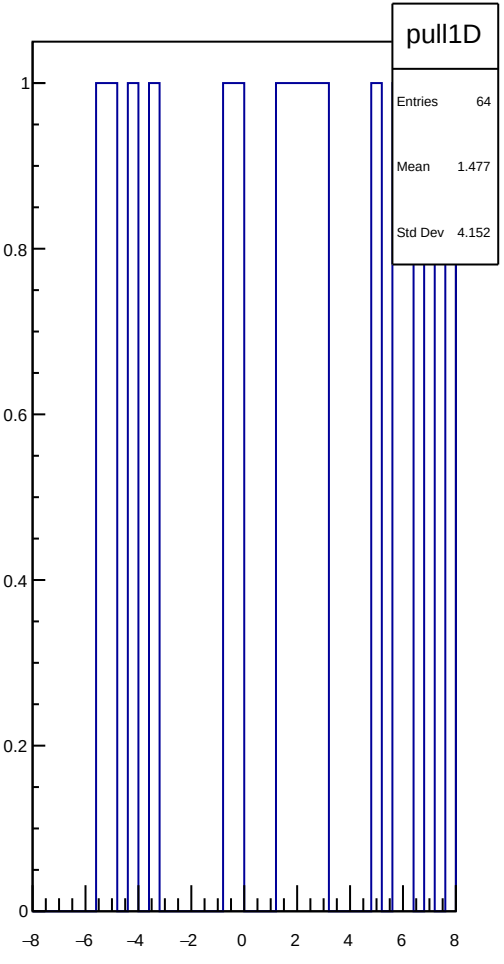

yield_bpm2i01WS_rms vs run
χ² / ndf 2.436e+04 / 63
p0 226.4 ± 0.2065
1800
1600
1400
1200
1000
800
600
400
200

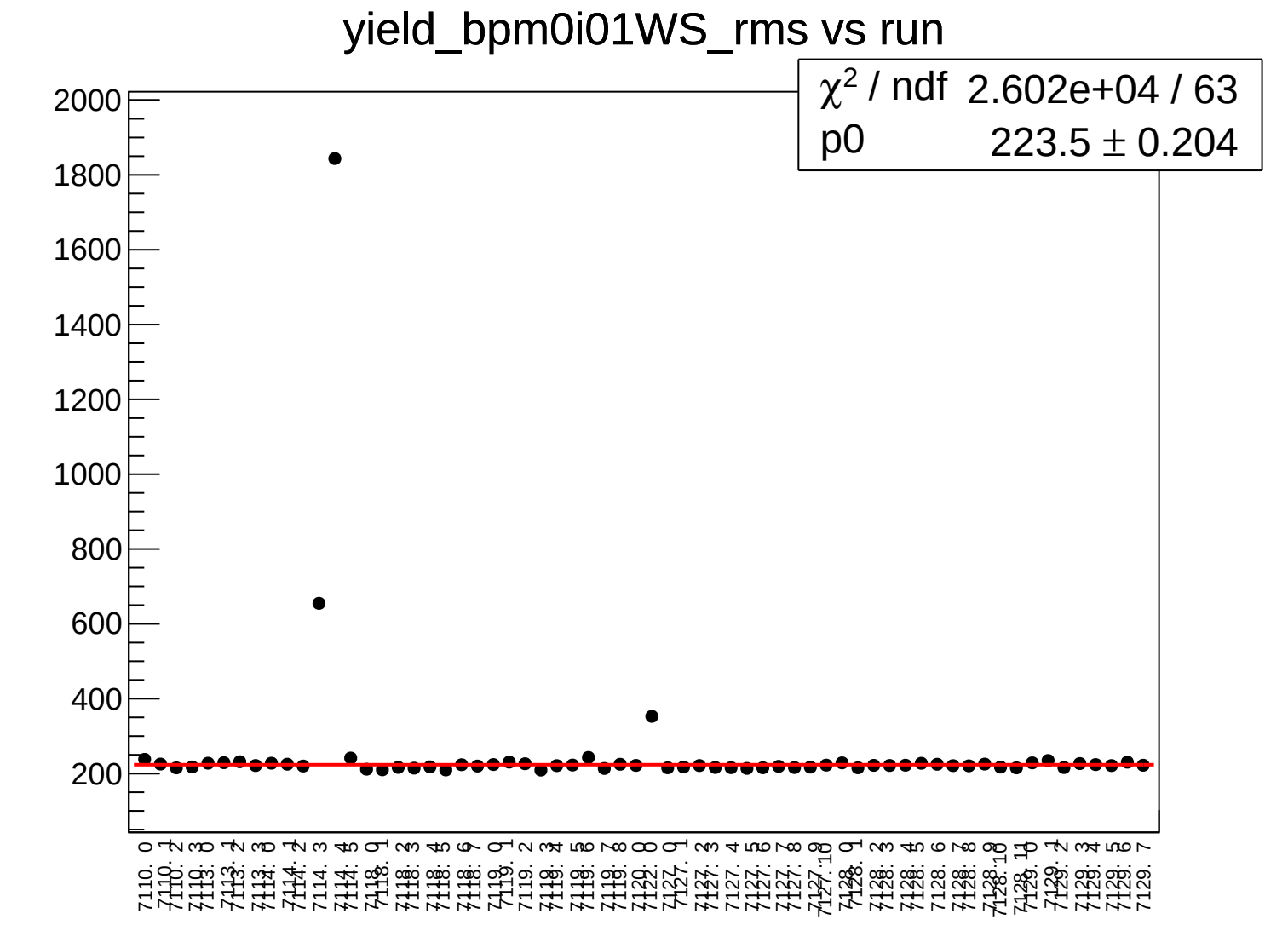

yield_bpm0i07WS_mean vs run
×10^3
141.5
141
140.5
140
139.5
139
138.5
χ² / ndf 7.354e+05 / 63
p0 1.409e+05 ± 0.2866
pull
Entries 64
Mean 2096
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

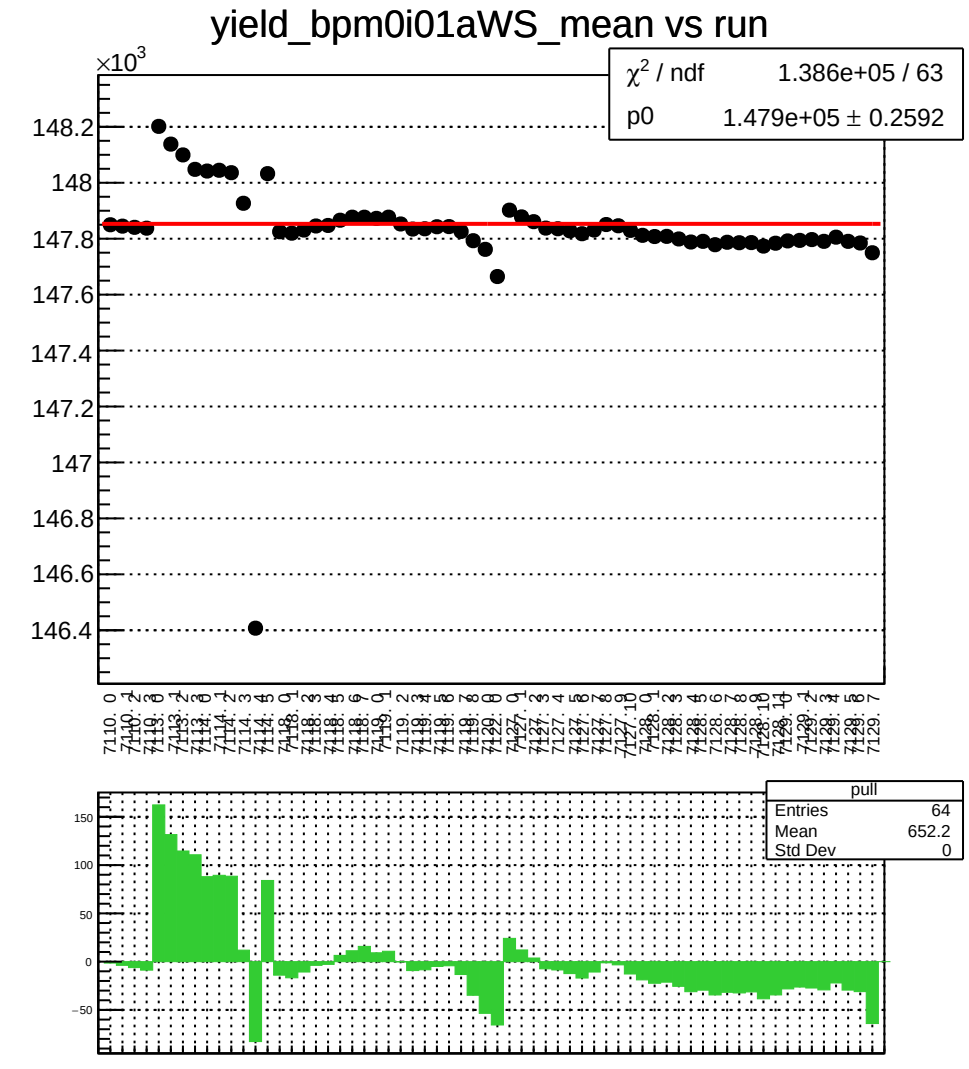

pull1D
Entries 64
Mean −6.868
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

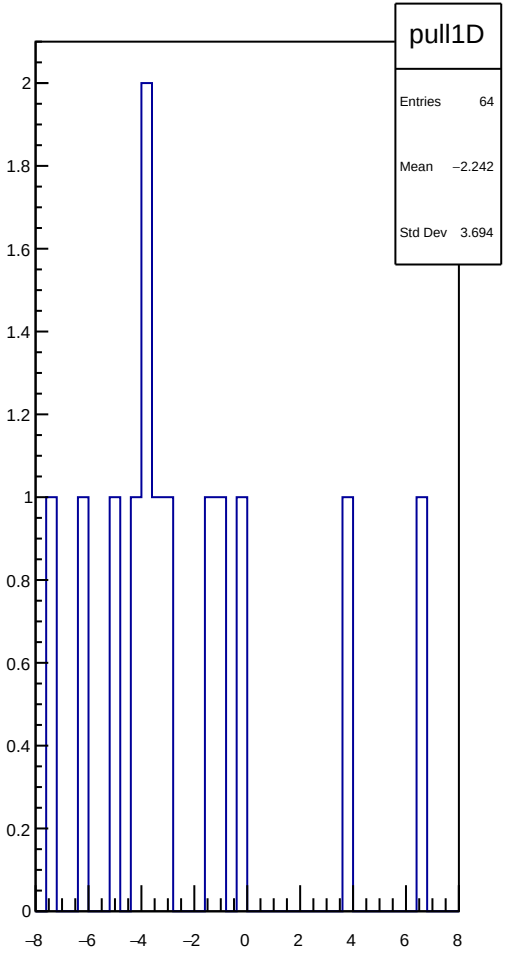

yield_bpm0i07WS_rms vs run
χ² / ndf 2.896e+04 / 63
p0 221.8 ± 0.2027
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

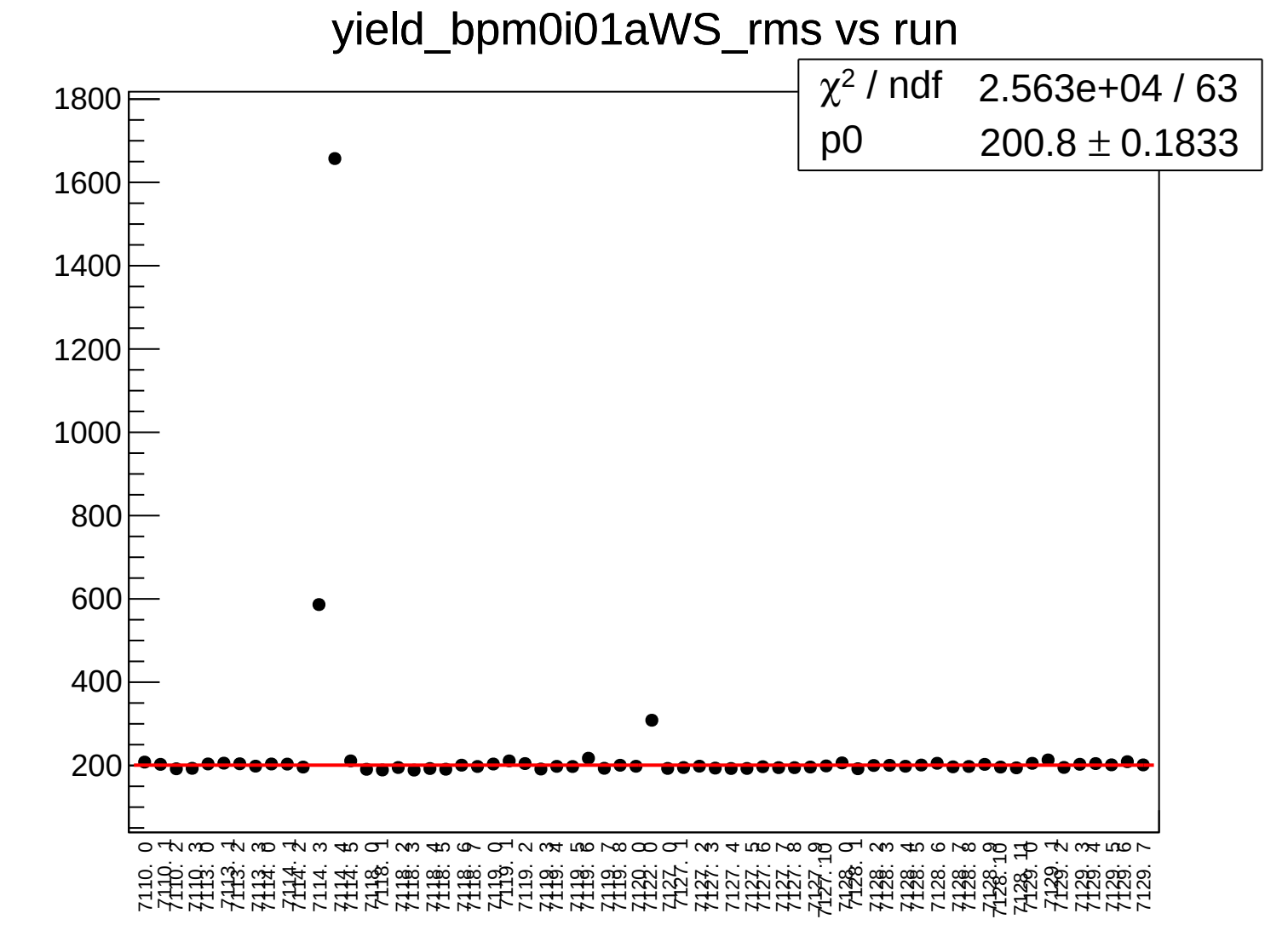

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 9.212e+04 / 63
p0 1.614e+05 ± 0.2886
161.5
161
160.5
160
159.5
pull
Entries 64
Mean −192.4
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

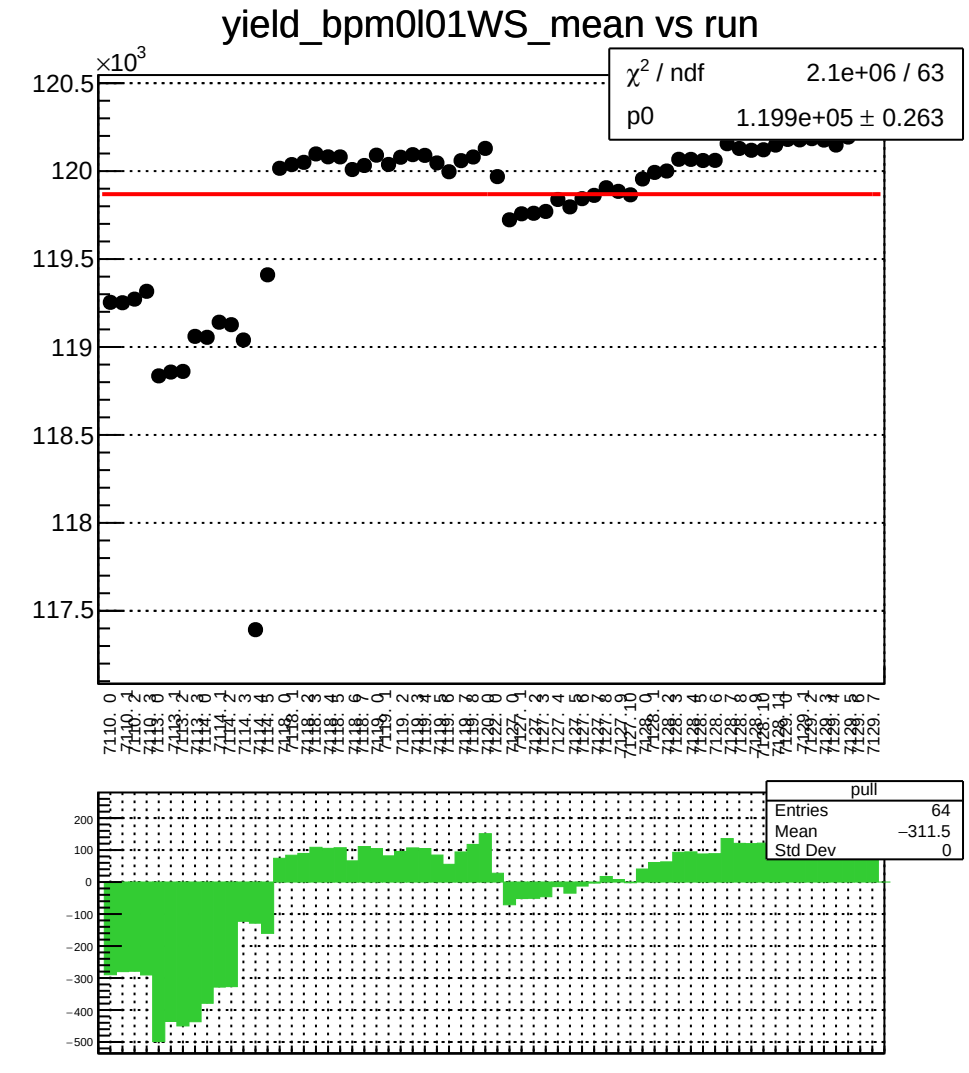

pull1D
Entries 64
Mean 1.477
Std Dev 4.152
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

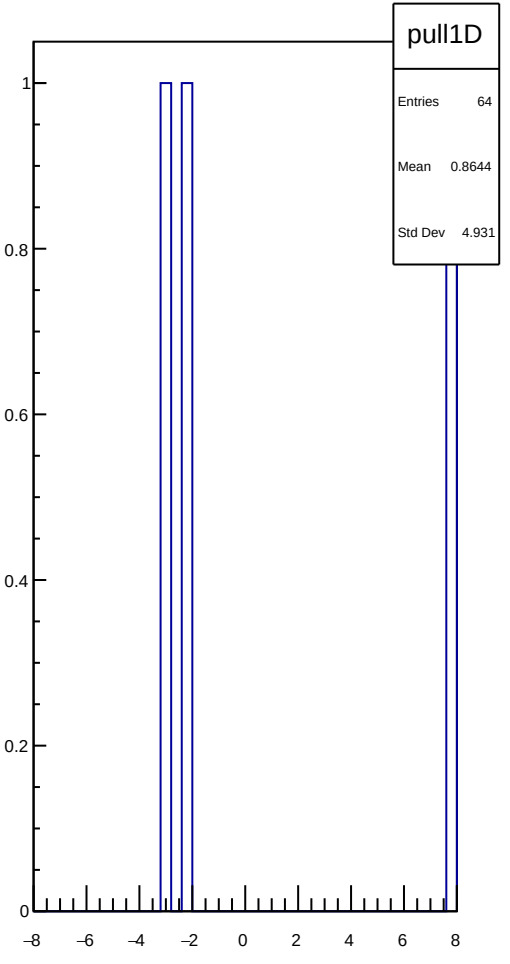

yield_bpm0i01WS_rms vs run
χ^2 / ndf 2.602e+04 / 63
p0 223.5 ± 0.204
2000
1800
1600
1400
1200
1000
800
600
400
200

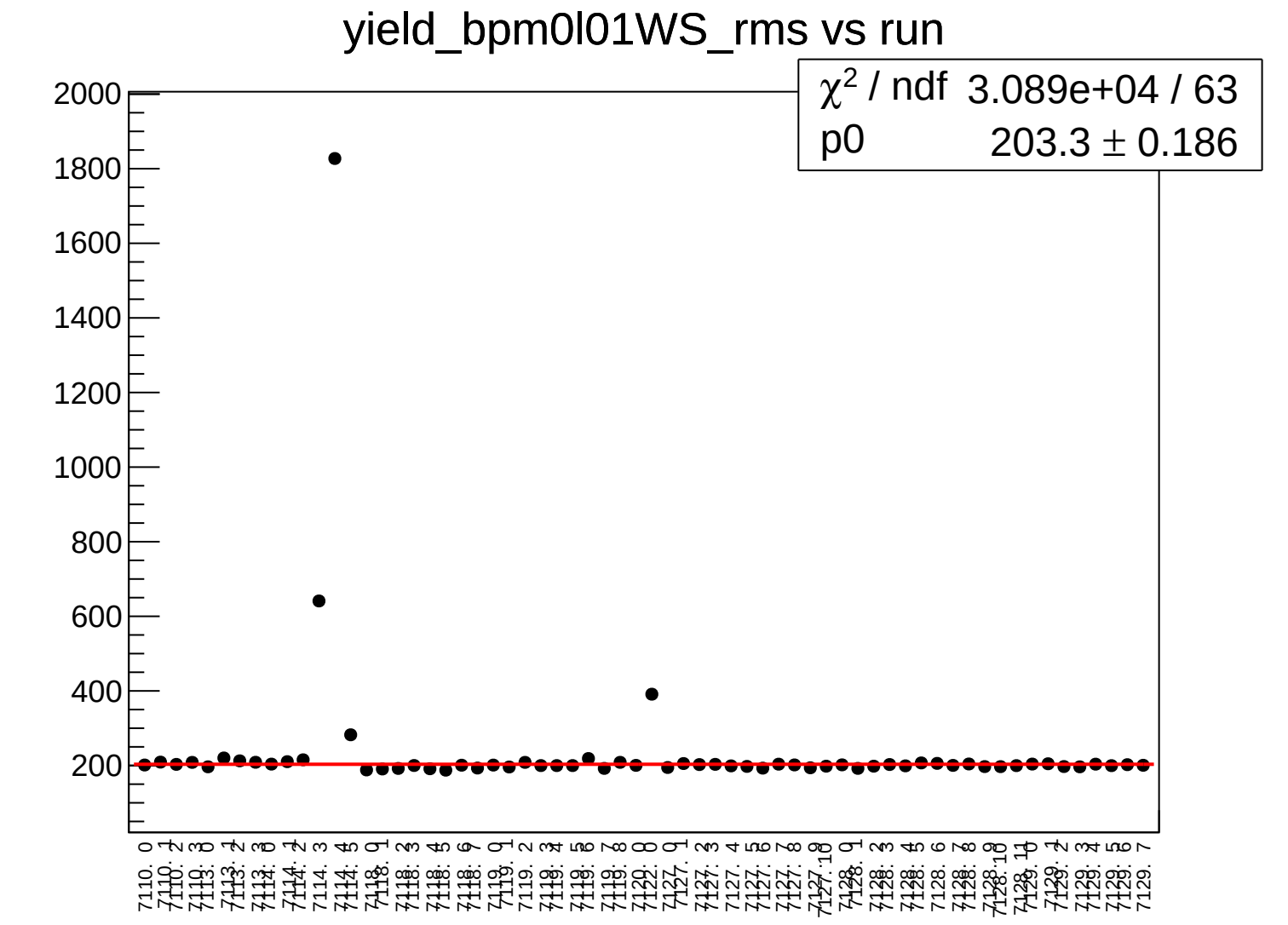

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 1.386e+05 / 63
p0 1.479e+05 ± 0.2592
148.2
148
147.8
147.6
147.4
147.2
147
146.8
146.6
146.4
pull
Entries 64
Mean 652.2
Std Dev 0
150
100
50
0
−50

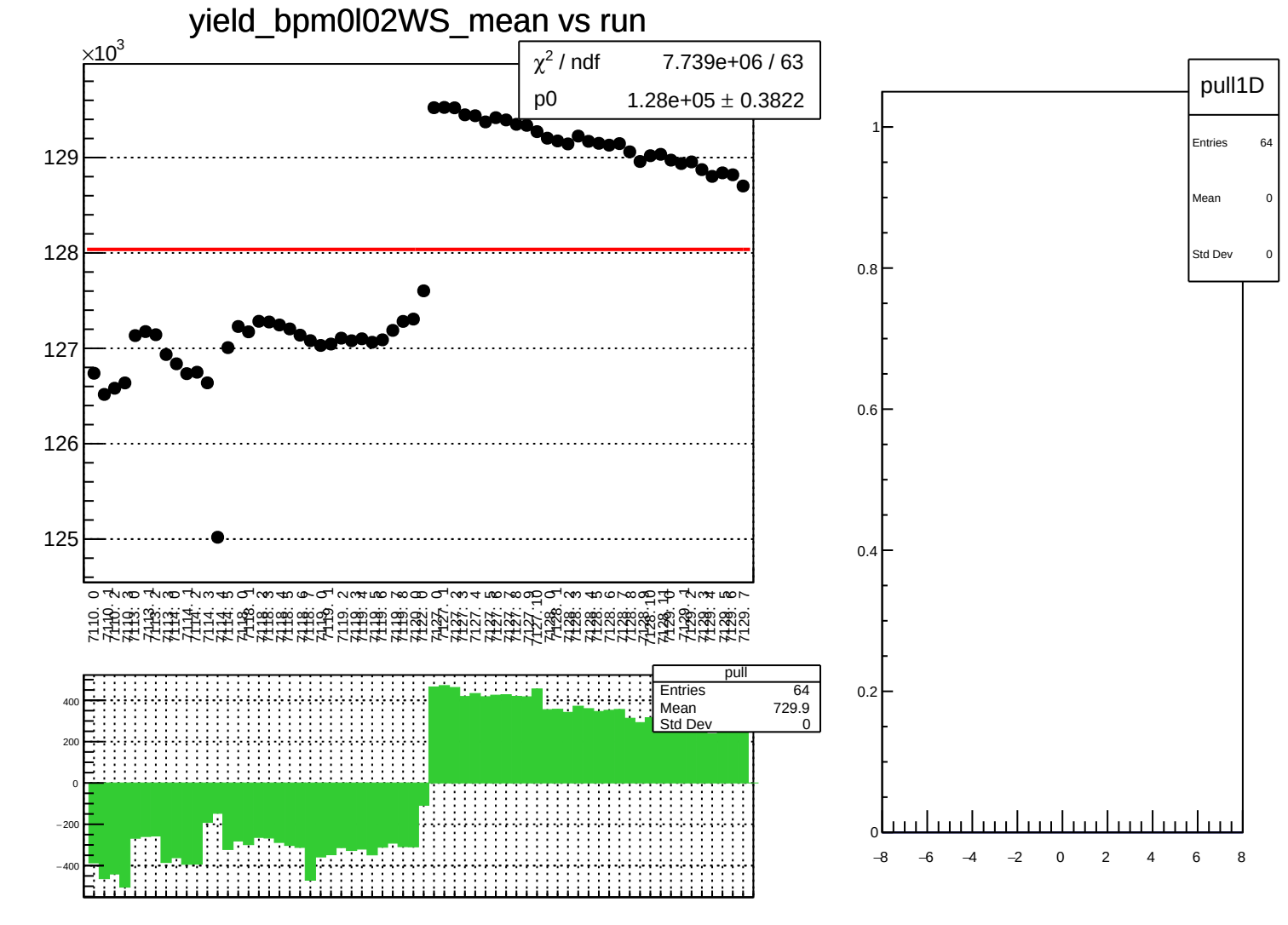

pull1D
Entries 64
Mean −2.242
Std Dev 3.694
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

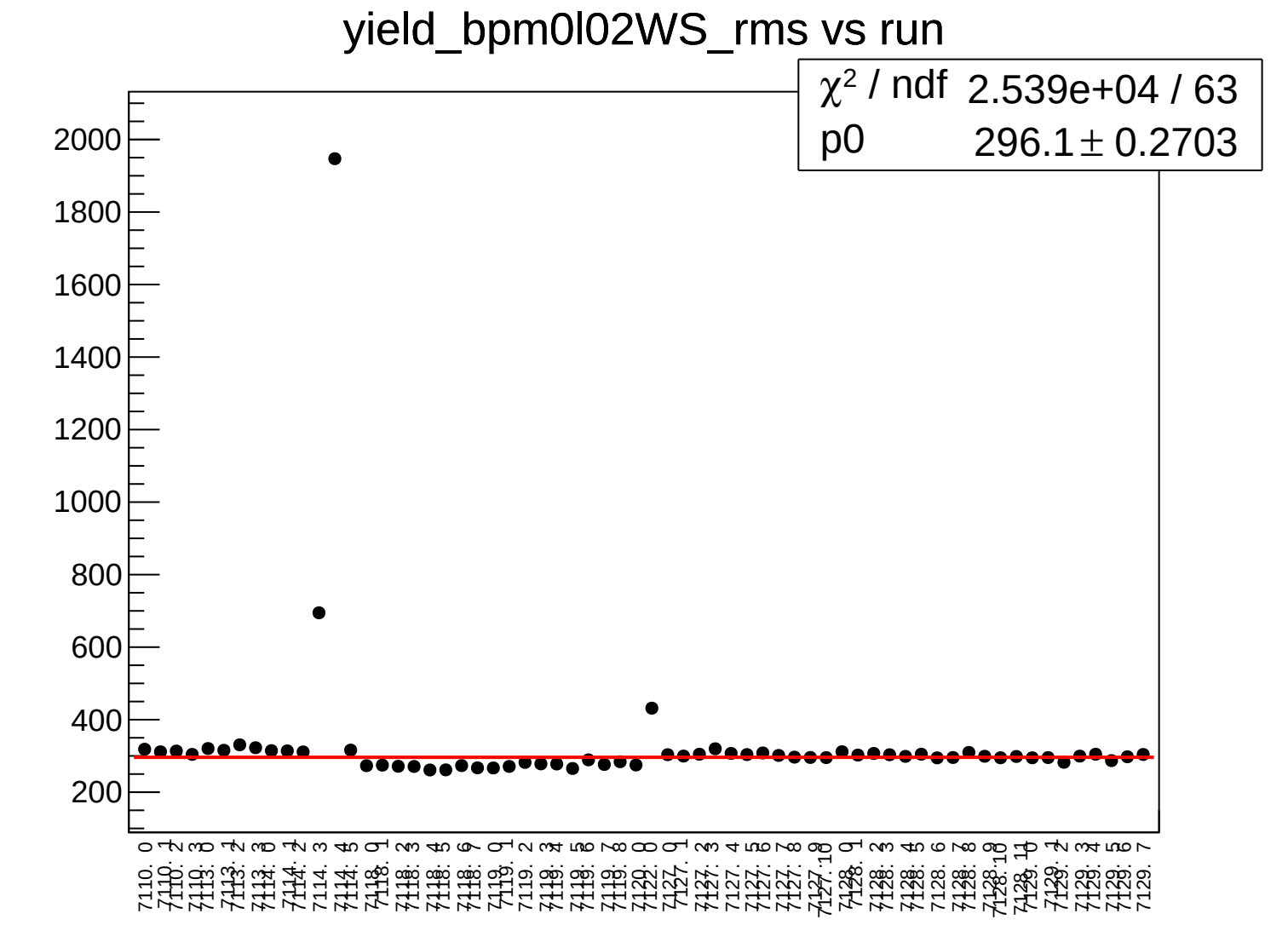

yield_bpm0i01aWS_rms vs run
χ² / ndf 2.563e+04 / 63
p0 200.8 ± 0.1833
1800
1600
1400
1200
1000
800
600
400
200

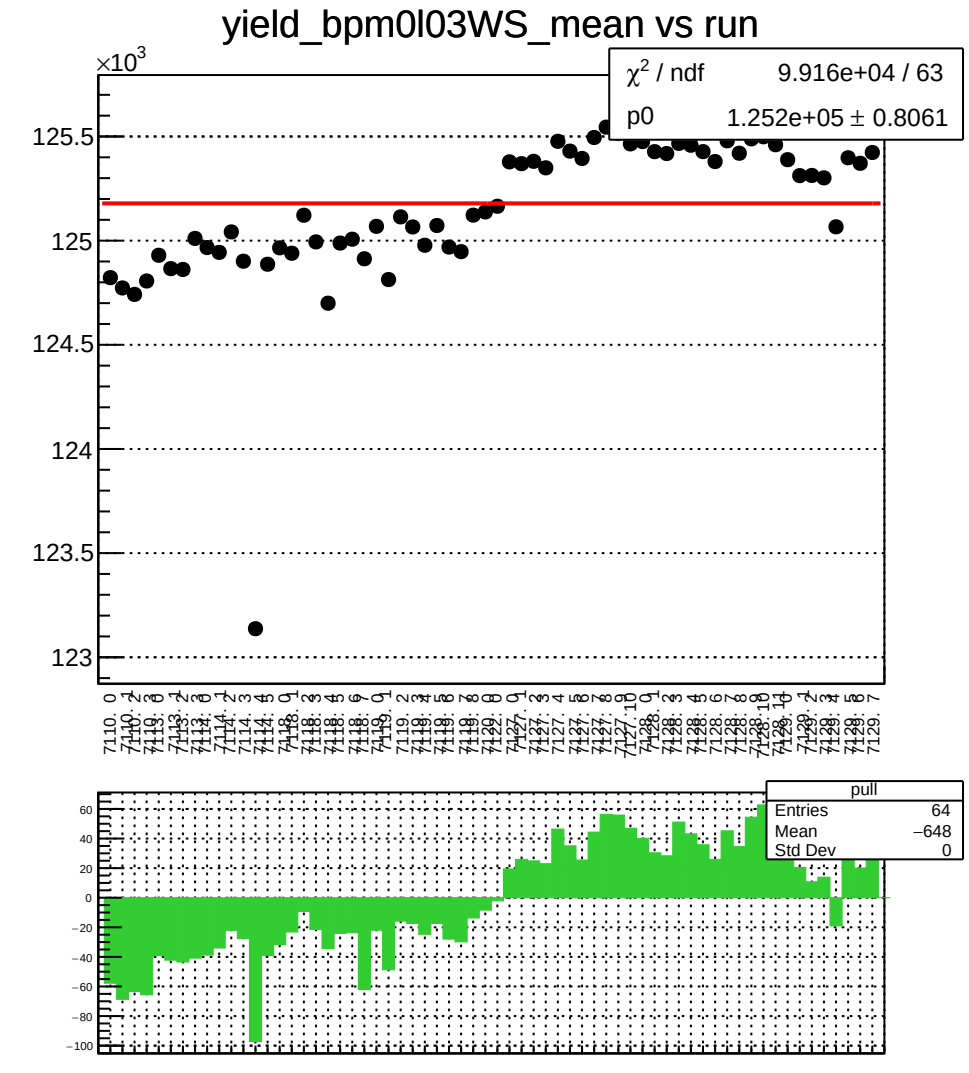

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 2.1e+06 / 63
p0 1.199e+05 ± 0.263
120.5
120
119.5
119
118.5
118
117.5
pull
Entries 64
Mean −311.5
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

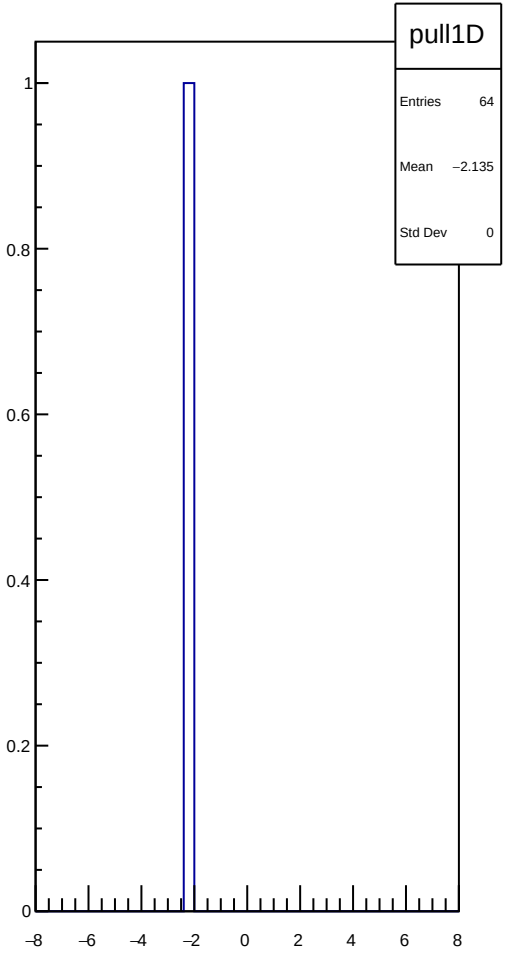

pull1D
Entries 64
Mean 0.8644
Std Dev 4.931
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

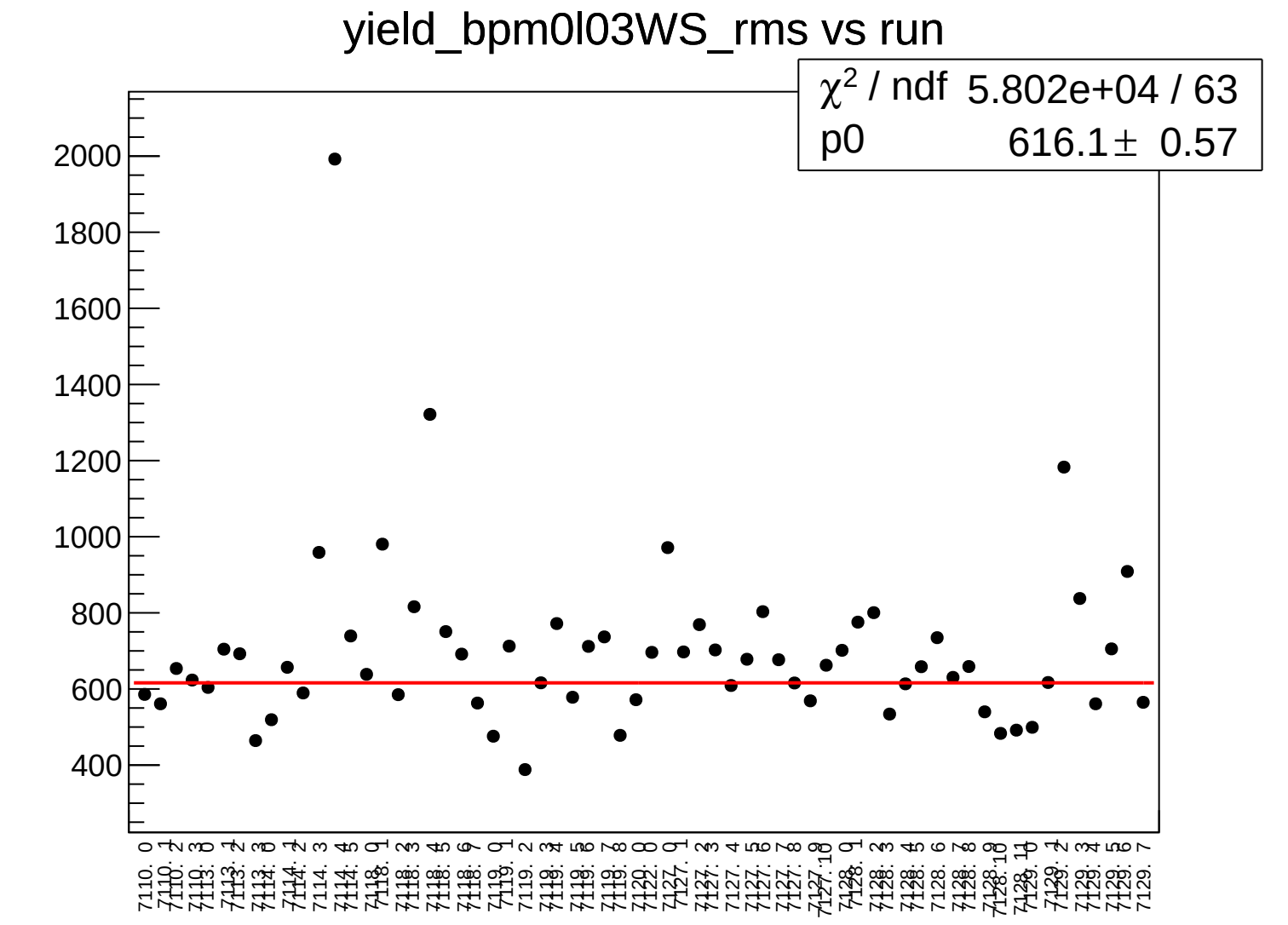

yield_bpm0l01WS_rms vs run
χ² / ndf 3.089e+04 / 63
p0 203.3 ± 0.186
2000
1800
1600
1400
1200
1000
800
600
400
200

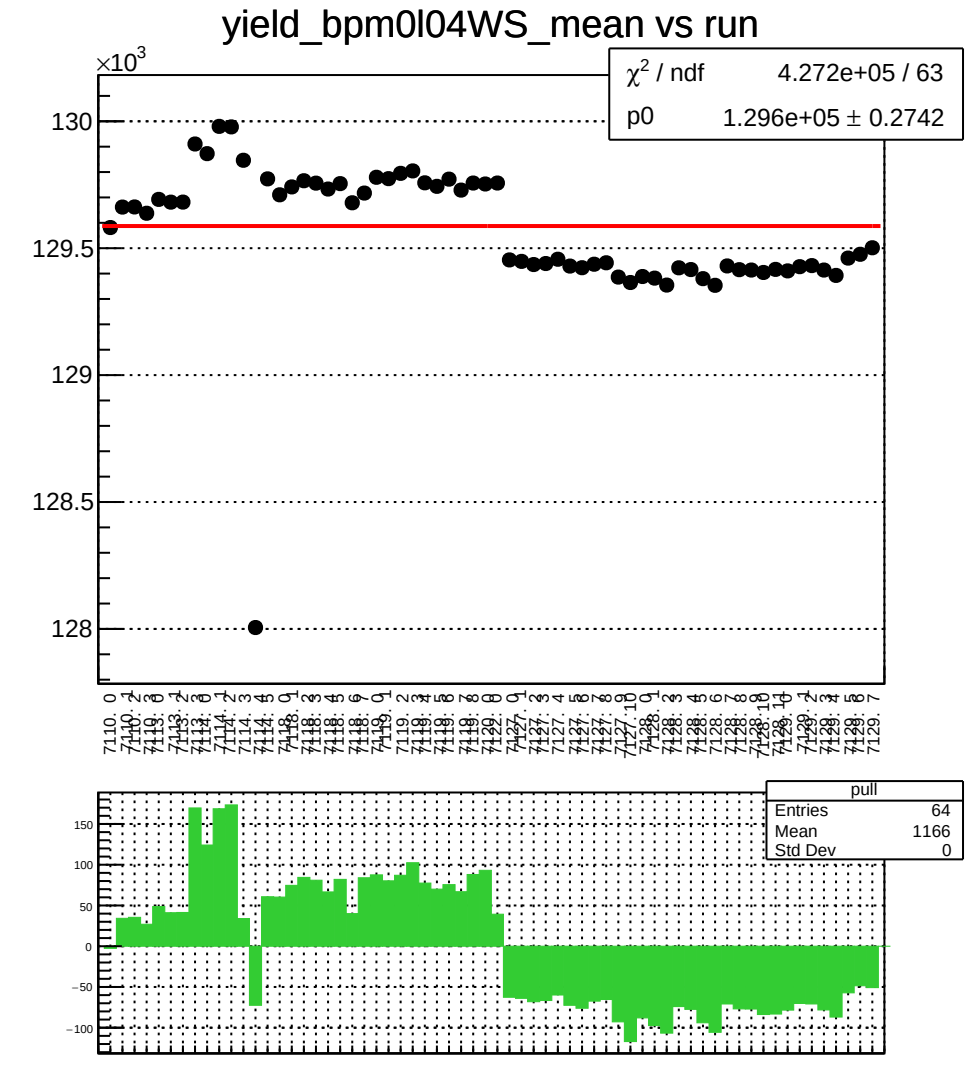

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 7.739e+06 / 63
p0 1.28e+05 ± 0.3822
129
128
127
126
125
pull
Entries 64
Mean 729.9
Std Dev 0
400
200
0
−200
−400
pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

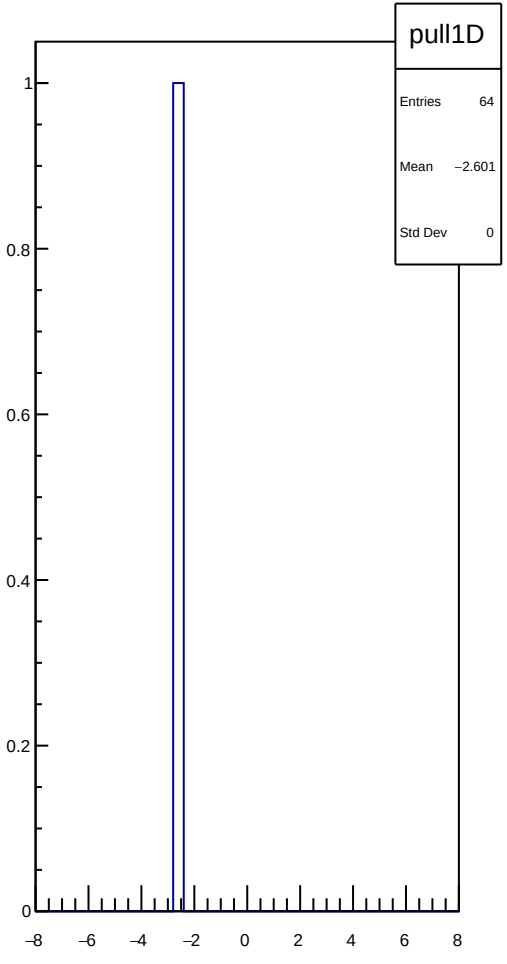

yield_bpm0l02WS_rms vs run
χ² / ndf 2.539e+04 / 63
p0 296.1 ± 0.2703
2000
1800
1600
1400
1200
1000
800
600
400
200

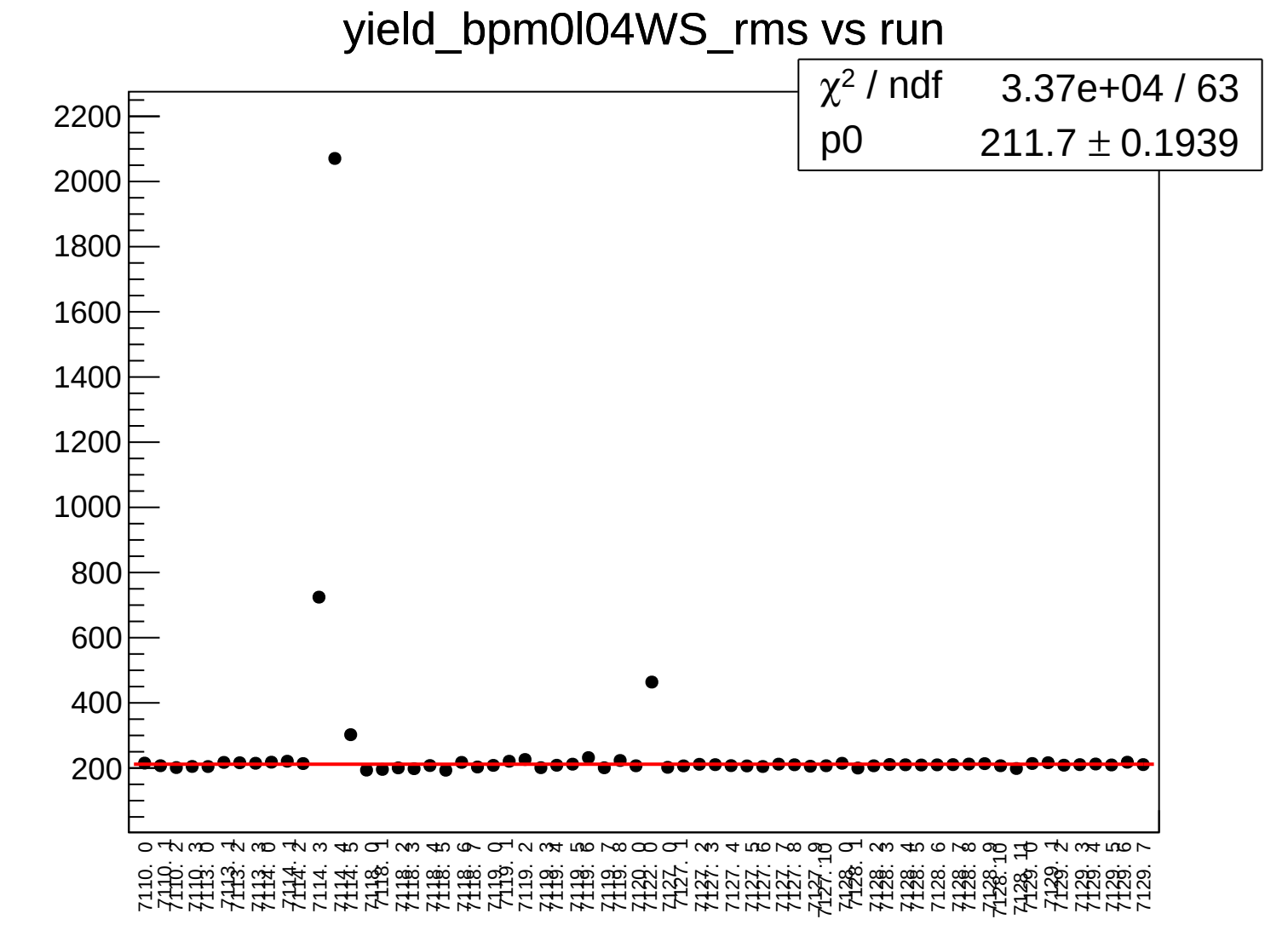

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 9.916e+04 / 63
p0 1.252e+05 ± 0.8061
125.5
125
124.5
124
123.5
123
pull
Entries 64
Mean −648
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

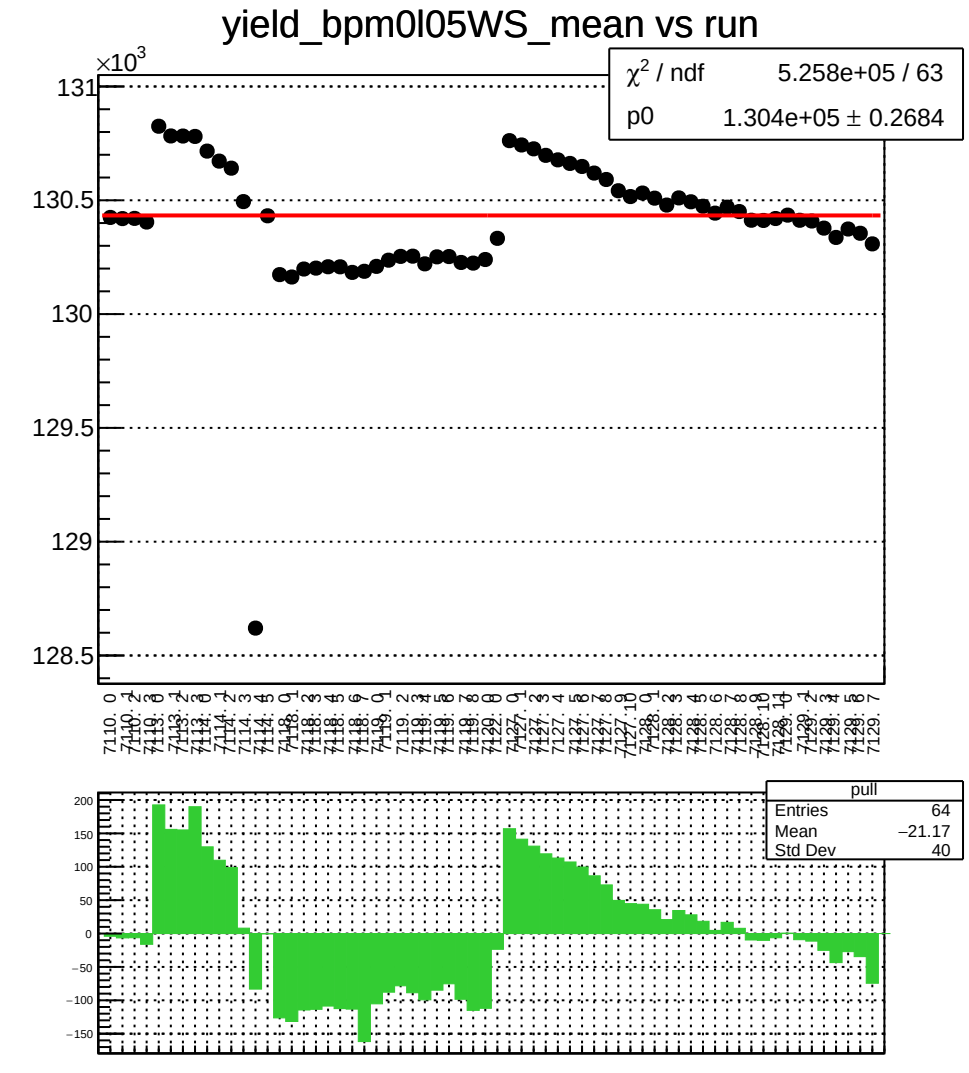

pull1D
Entries 64
Mean −2.135
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

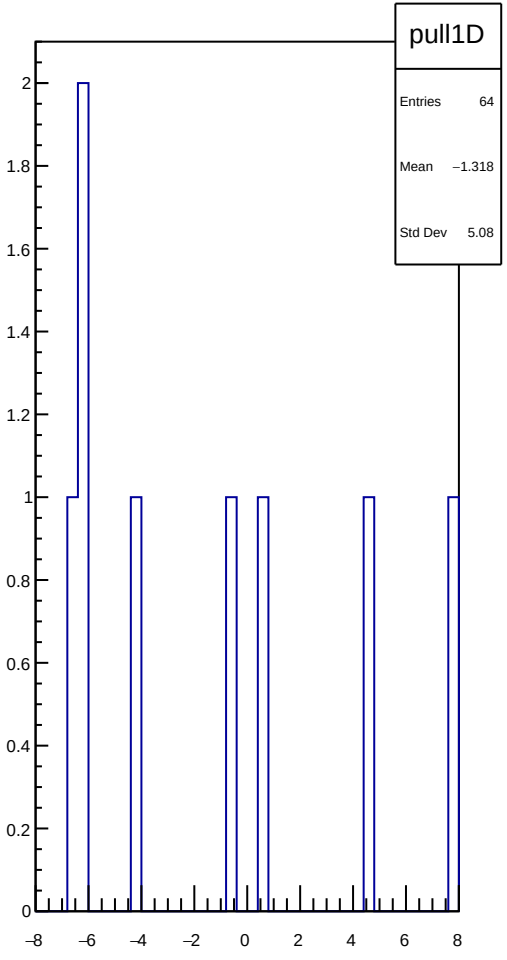

yield_bpm0l03WS_rms vs run
χ² / ndf 5.802e+04 / 63
p0 616.1 ± 0.57
2000
1800
1600
1400
1200
1000
800
600
400

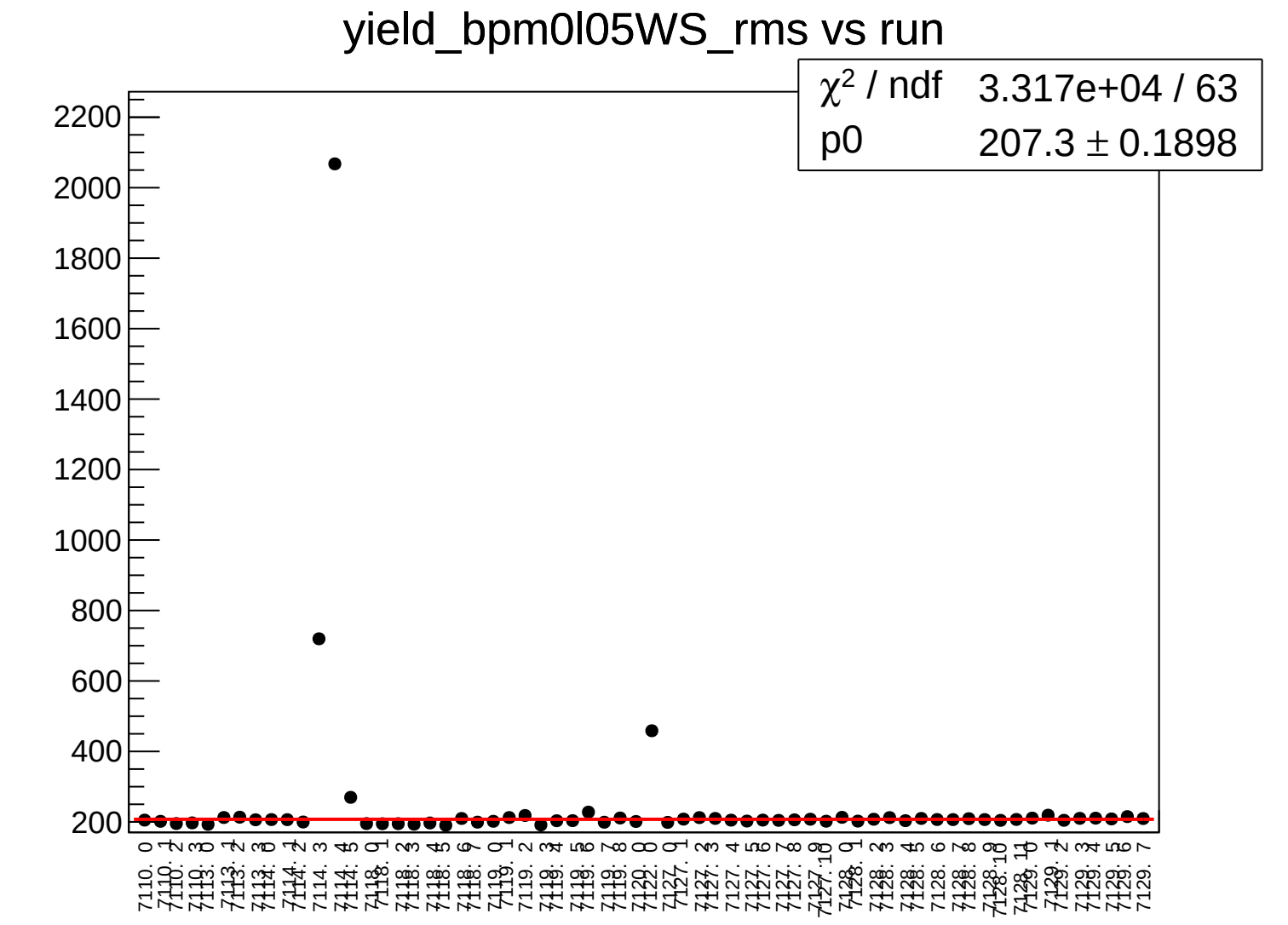

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 4.272e+05 / 63
p0 1.296e+05 ± 0.2742
130
129.5
129
128.5
128
pull
Entries 64
Mean 1166
Std Dev 0
150
100
50
0
−50
−100

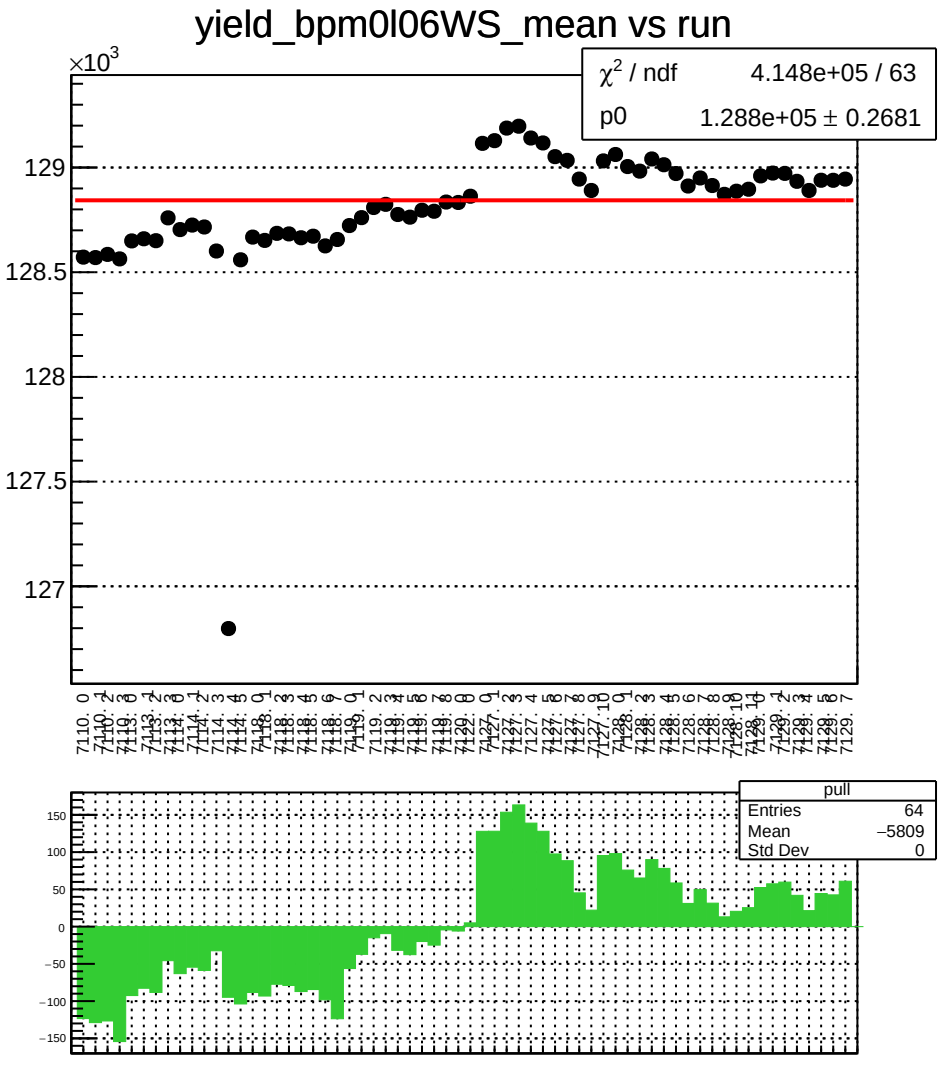

pull1D
Entries 64
Mean −2.601
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

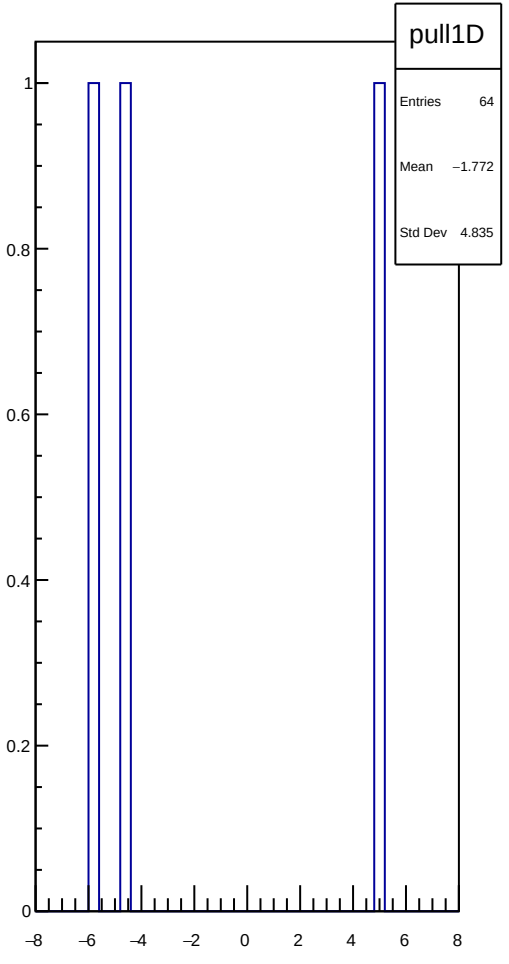

yield_bpm0l04WS_rms vs run
χ² / ndf 3.37e+04 / 63
p0 211.7 ± 0.1939
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

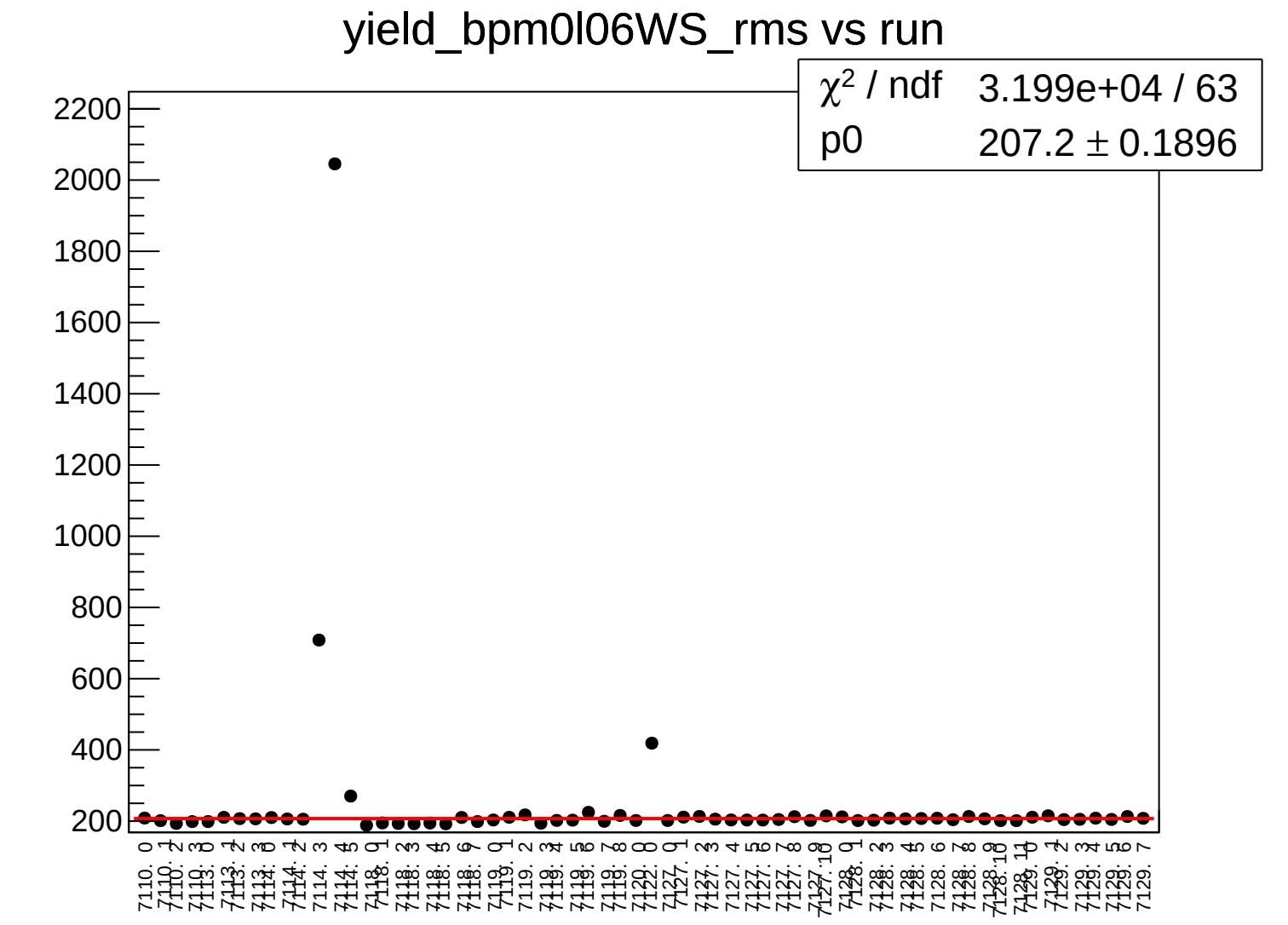

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 5.258e+05 / 63
p0 1.304e+05 ± 0.2684
131
130.5
130
129.5
129
128.5
pull
Entries 64
Mean −21.17
Std Dev 40
200
150
100
50
0
−50
−100
−150

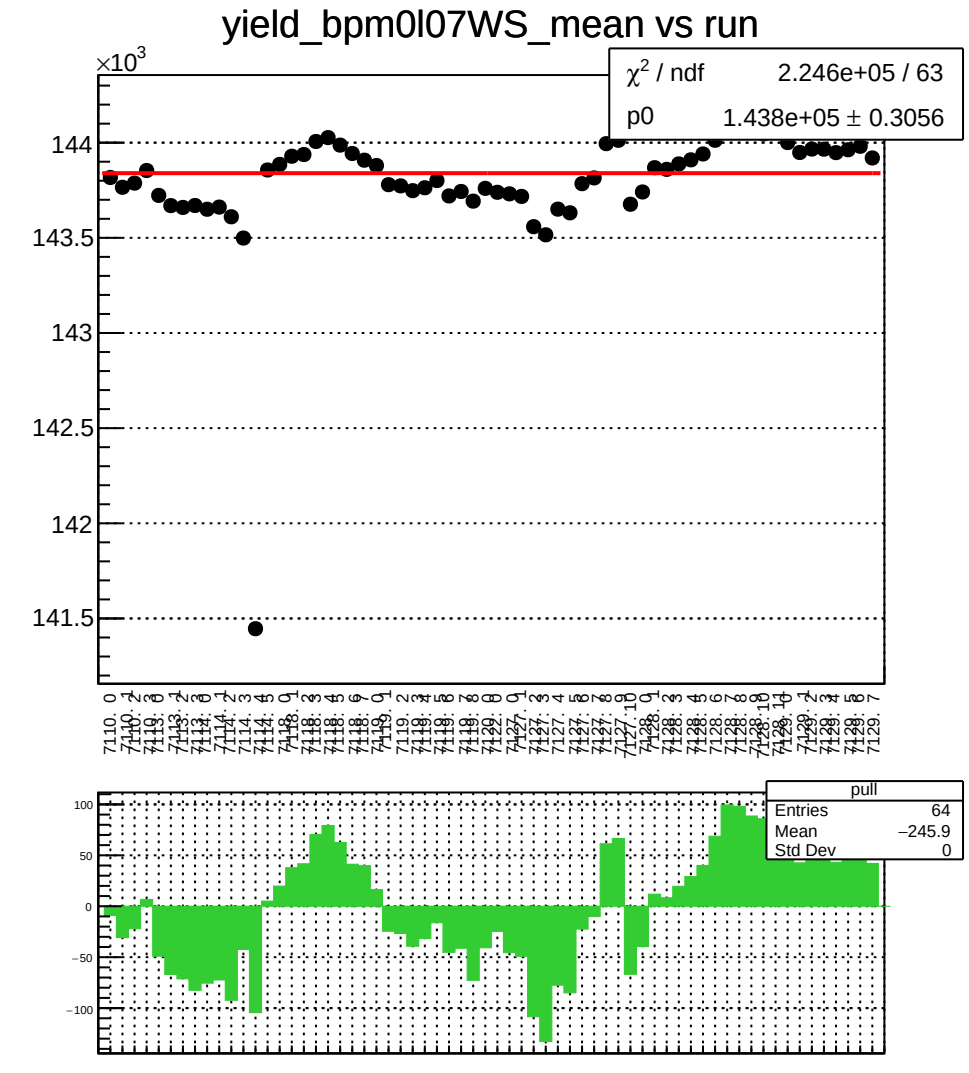

pull1D
Entries 64
Mean −1.318
Std Dev 5.08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

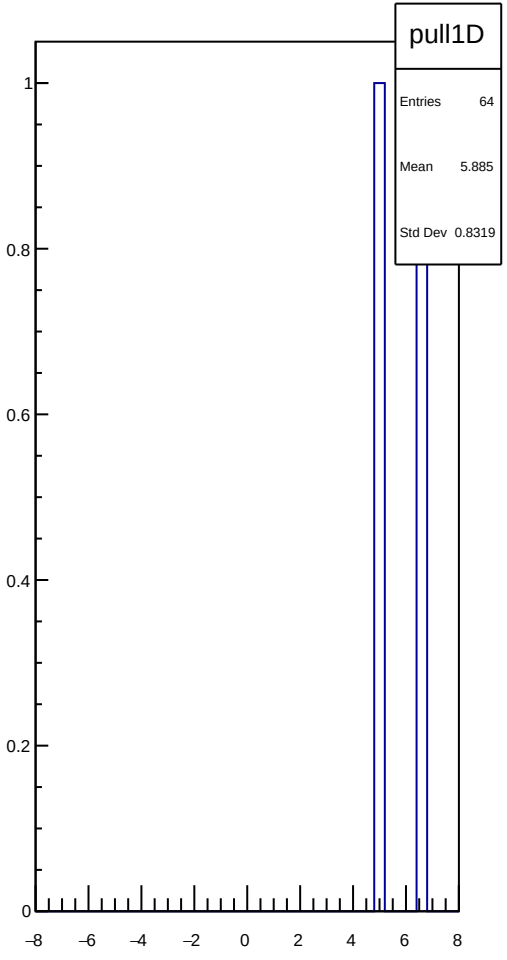

yield_bpm0l05WS_rms vs run
χ² / ndf 3.317e+04 / 63
p0 207.3 ± 0.1898
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

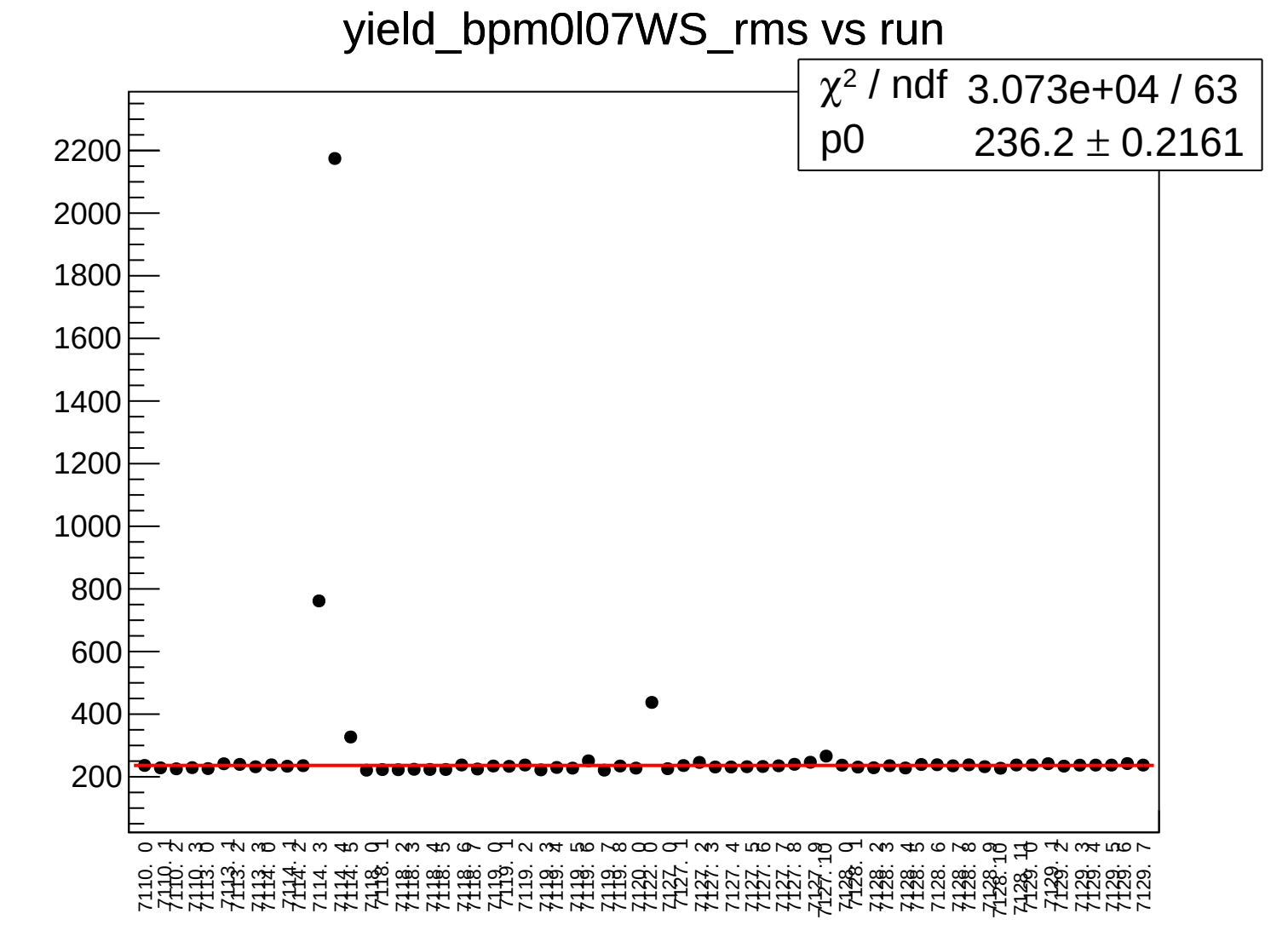

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 4.148e+05 / 63
p0 1.288e+05 ± 0.2681
129
128.5
128
127.5
127
pull
Entries 64
Mean −5809
Std Dev 0
150
100
50
0
−50
−100
−150

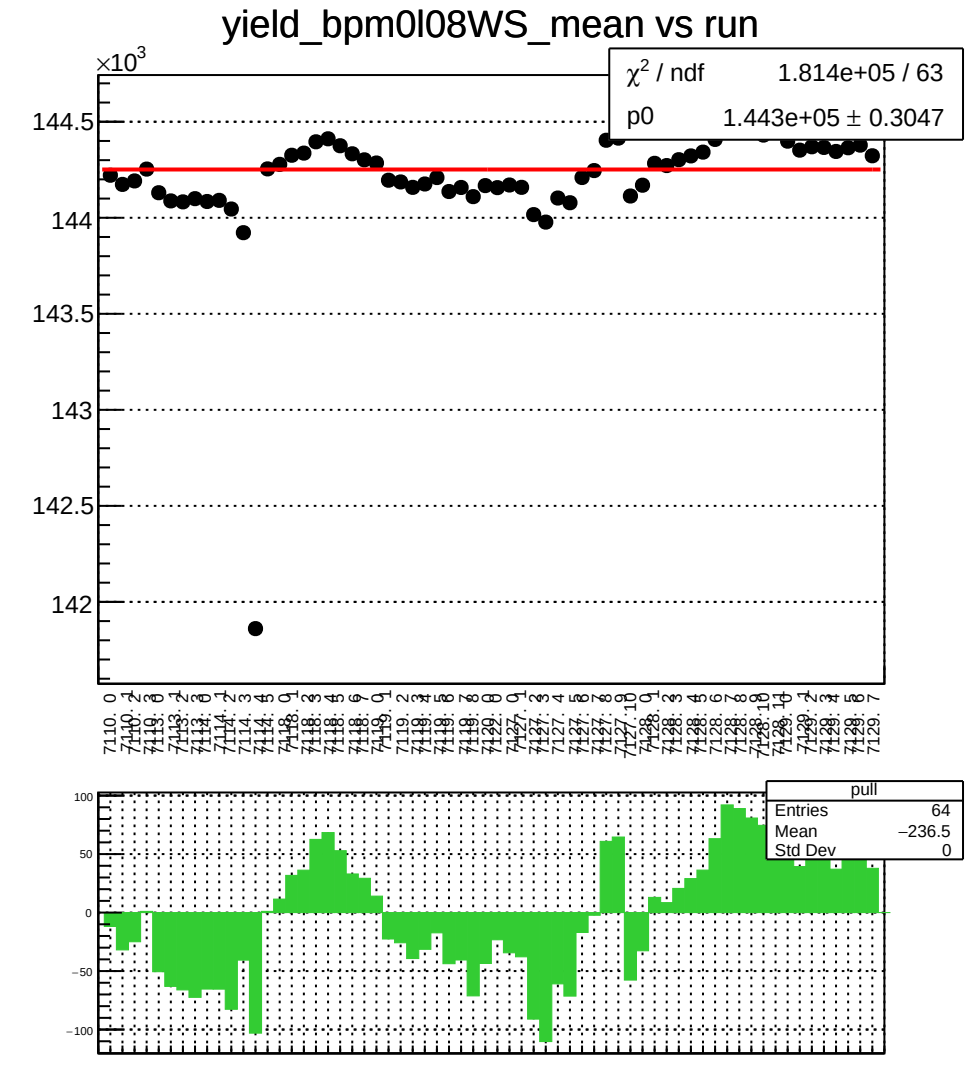

pull1D
Entries 64
Mean −1.772
Std Dev 4.835
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

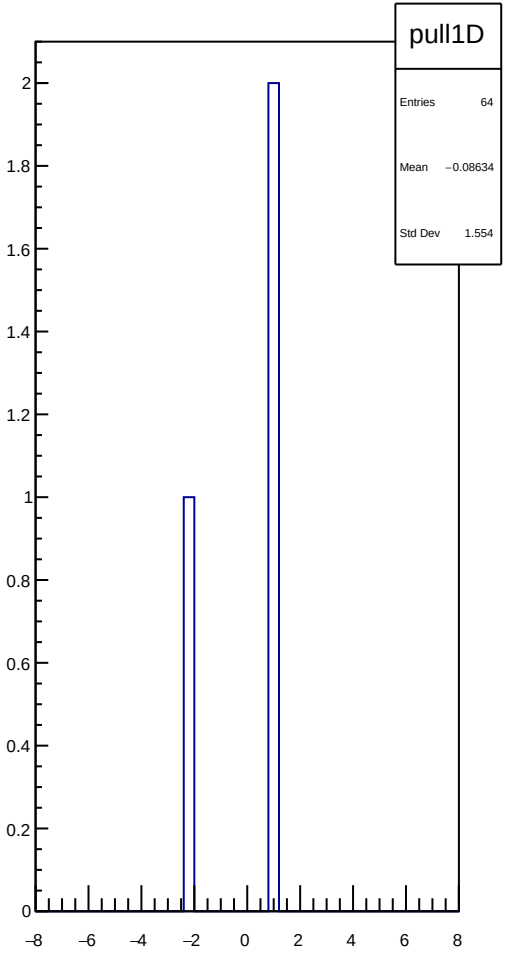

yield_bpm0l06WS_rms vs run
χ² / ndf 3.199e+04 / 63
p0 207.2 ± 0.1896
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

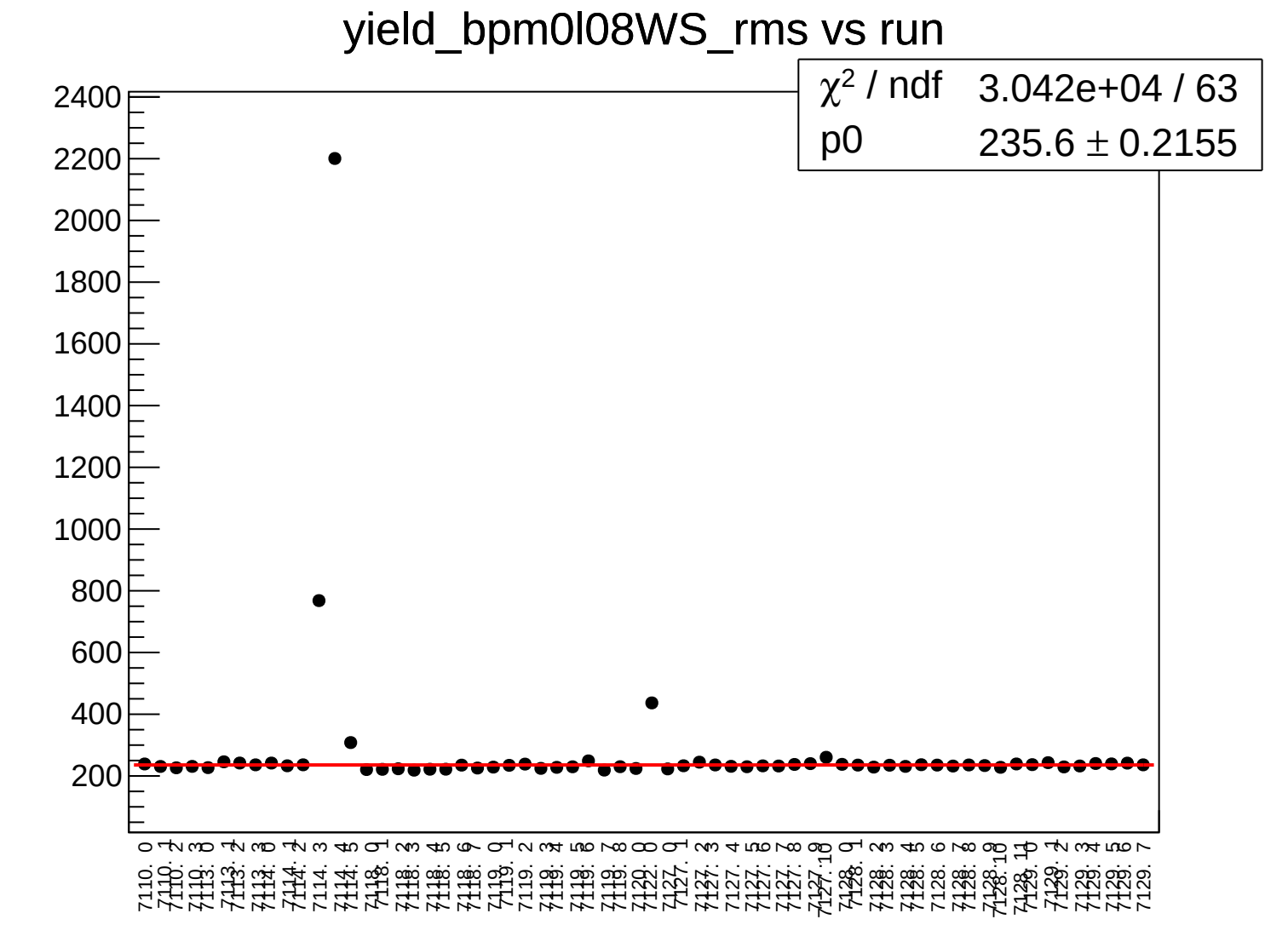

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 2.246e+05 / 63
p0 1.438e+05 ± 0.3056
144
143.5
143
142.5
142
141.5
pull
Entries 64
Mean −245.9
Std Dev 0
100
50
0
−50
−100

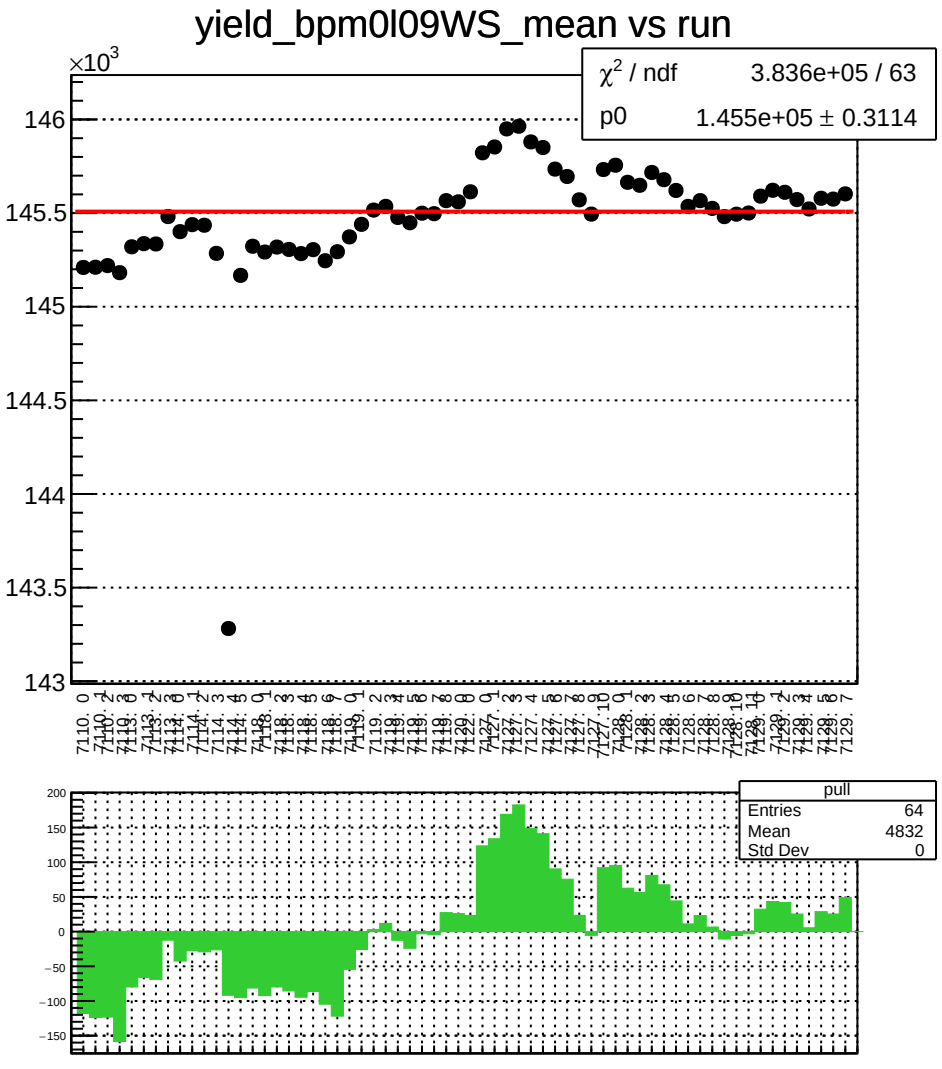

pull1D
Entries 64
Mean 5.885
Std Dev 0.8319
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

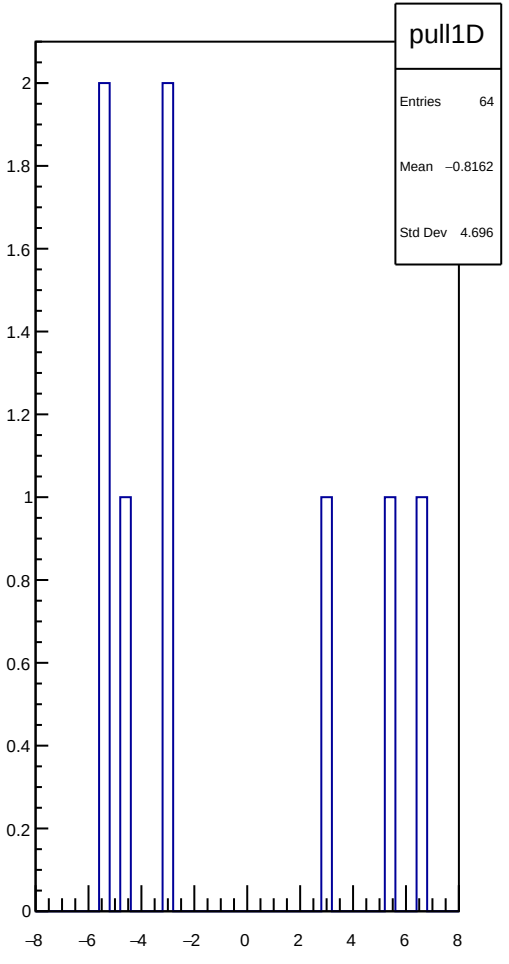

yield_bpm0l07WS_rms vs run
χ² / ndf 3.073e+04 / 63
p0 236.2 ± 0.2161
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

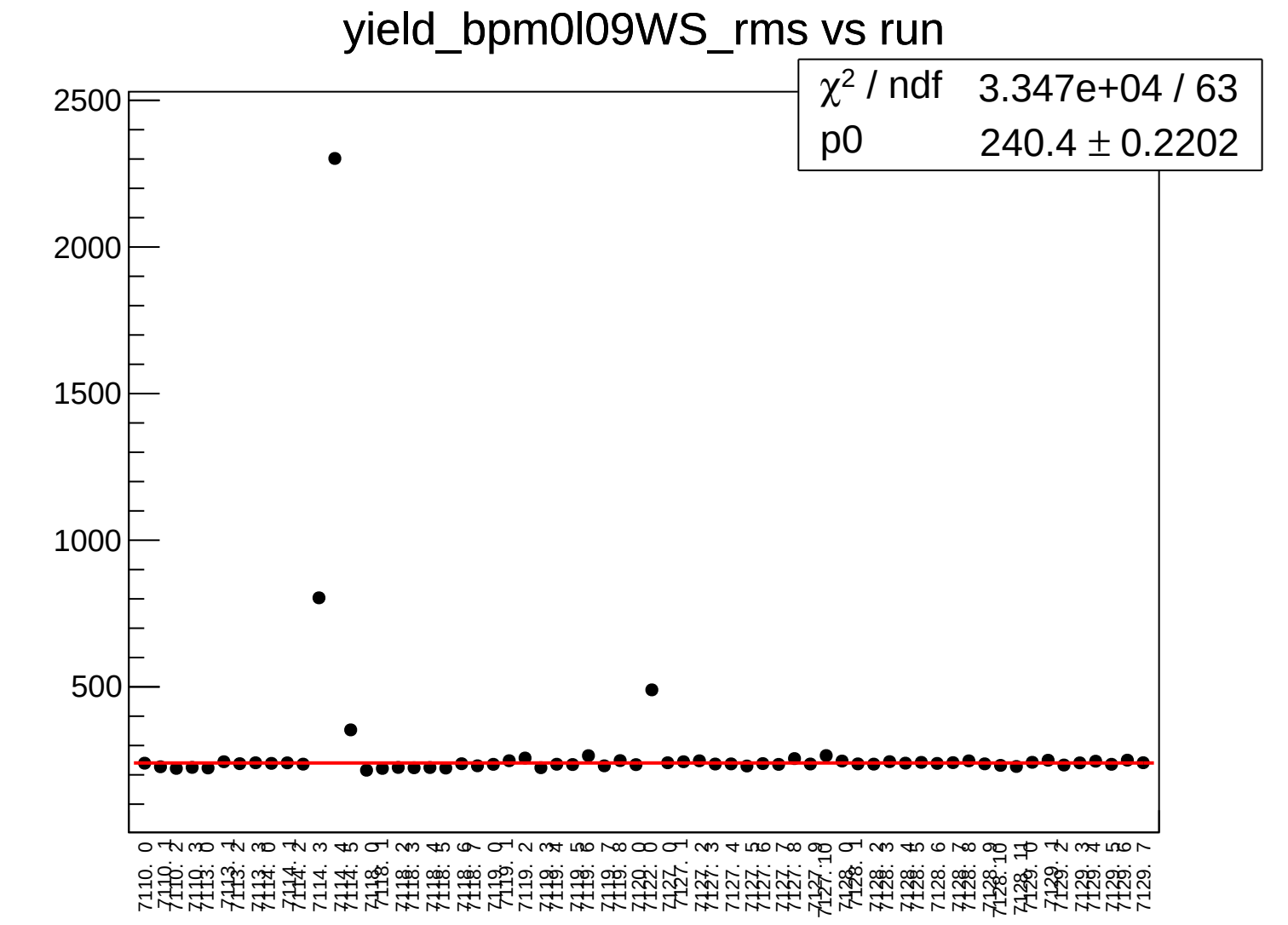

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 1.814e+05 / 63
p0 1.443e+05 ± 0.3047
144.5
144
143.5
143
142.5
142
pull
Entries 64
Mean −236.5
Std Dev 0
100
50
0
−50
−100

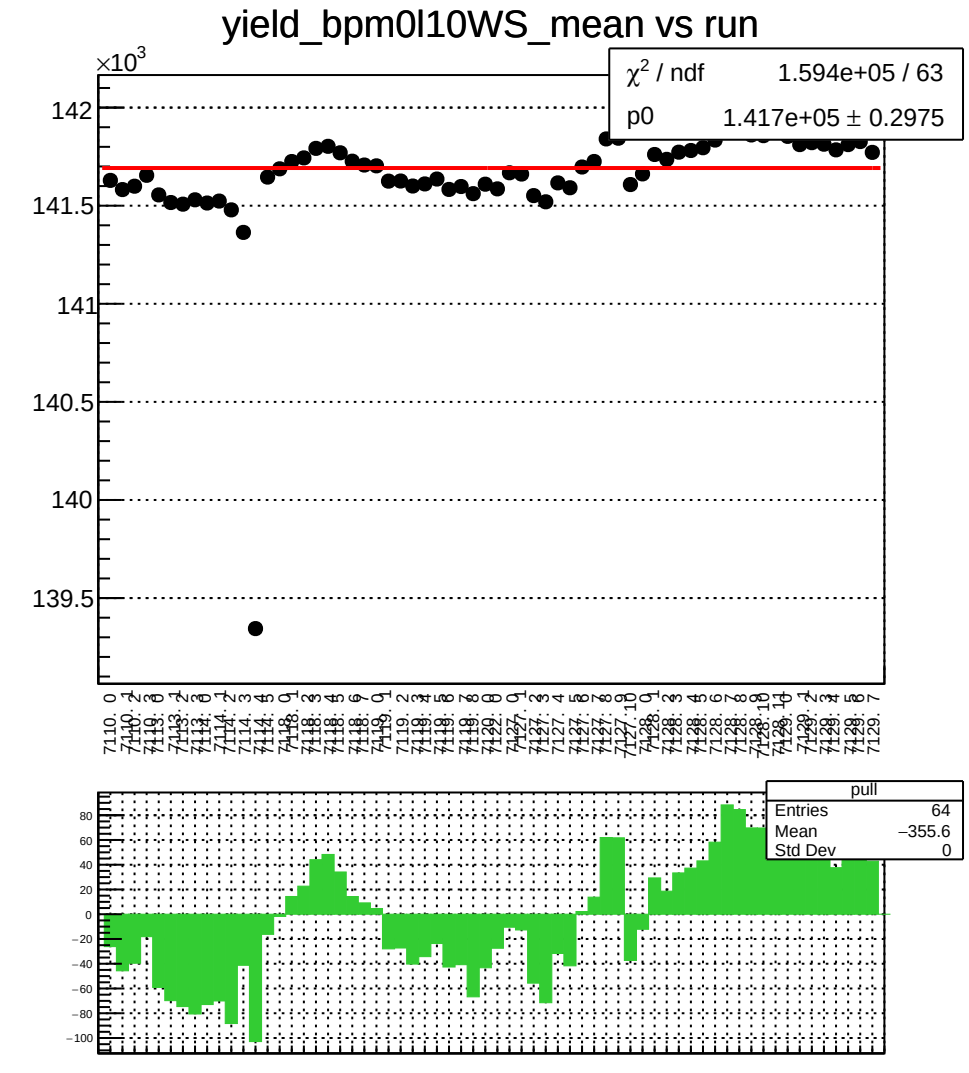

pull1D
Entries 64
Mean −0.08634
Std Dev 1.554
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

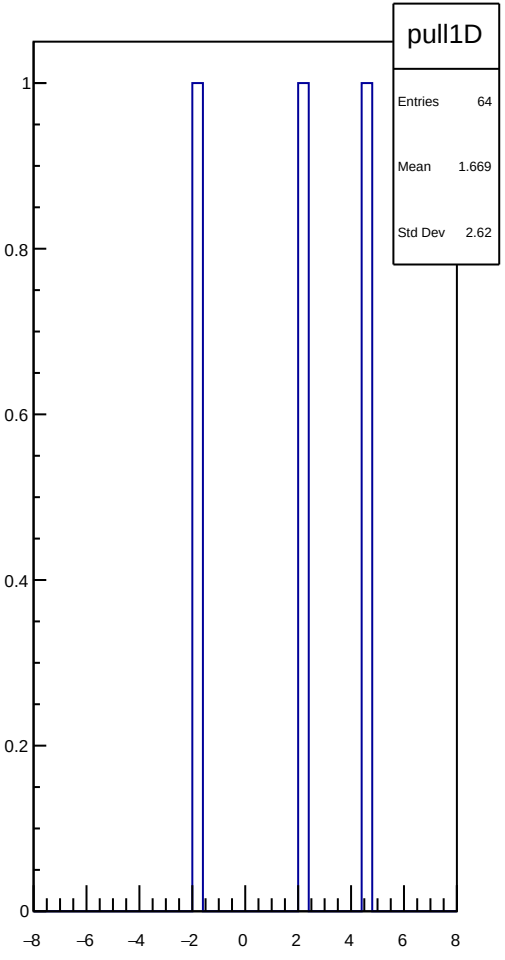

yield_bpm0l08WS_rms vs run
χ² / ndf 3.042e+04 / 63
p0 235.6 ± 0.2155
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

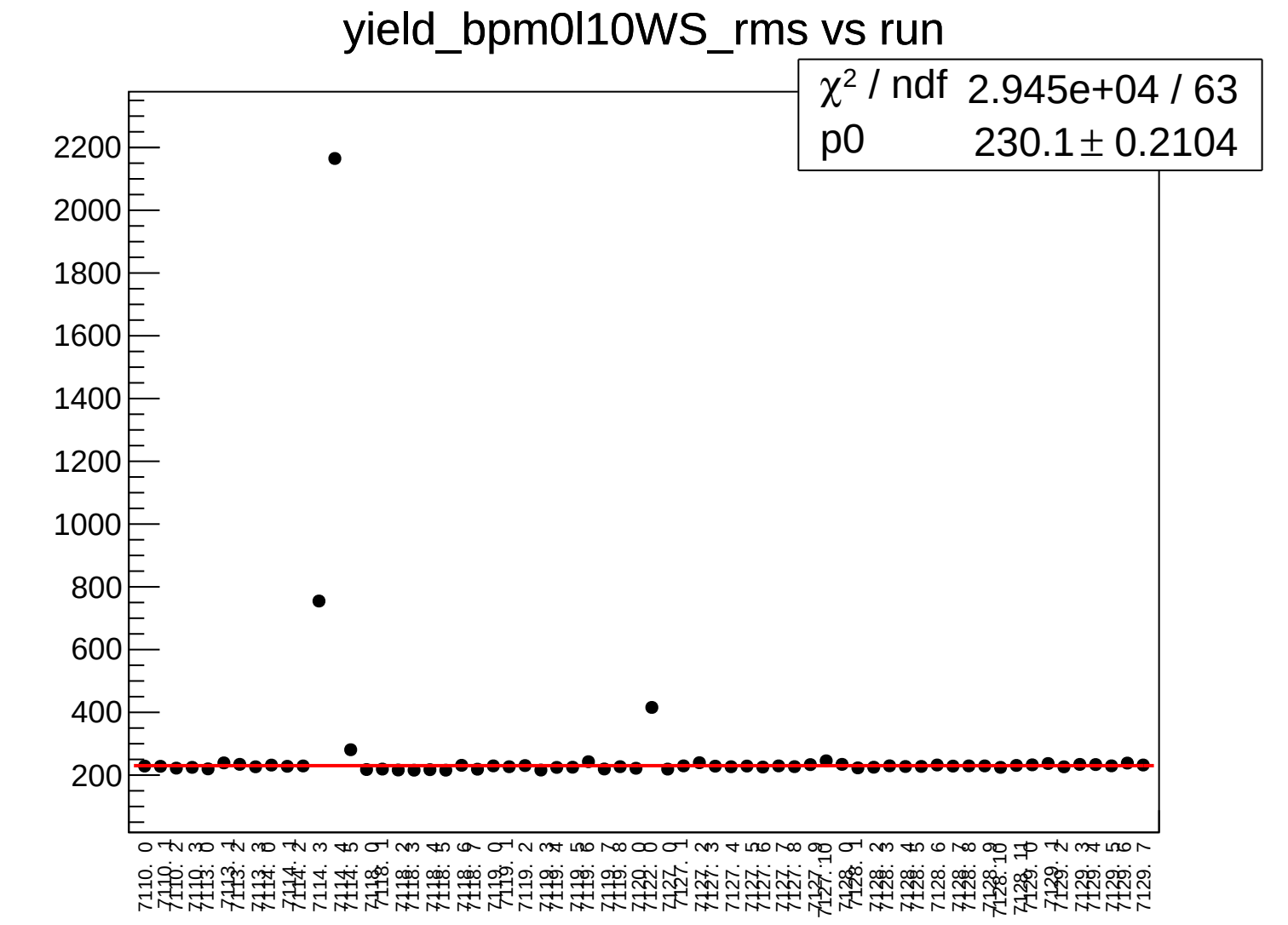

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 3.836e+05 / 63
p0 1.455e+05 ± 0.3114
146
145.5
145
144.5
144
143.5
143
pull
Entries 64
Mean 4832
Std Dev 0
200
150
100
50
0
−50
−100
−150

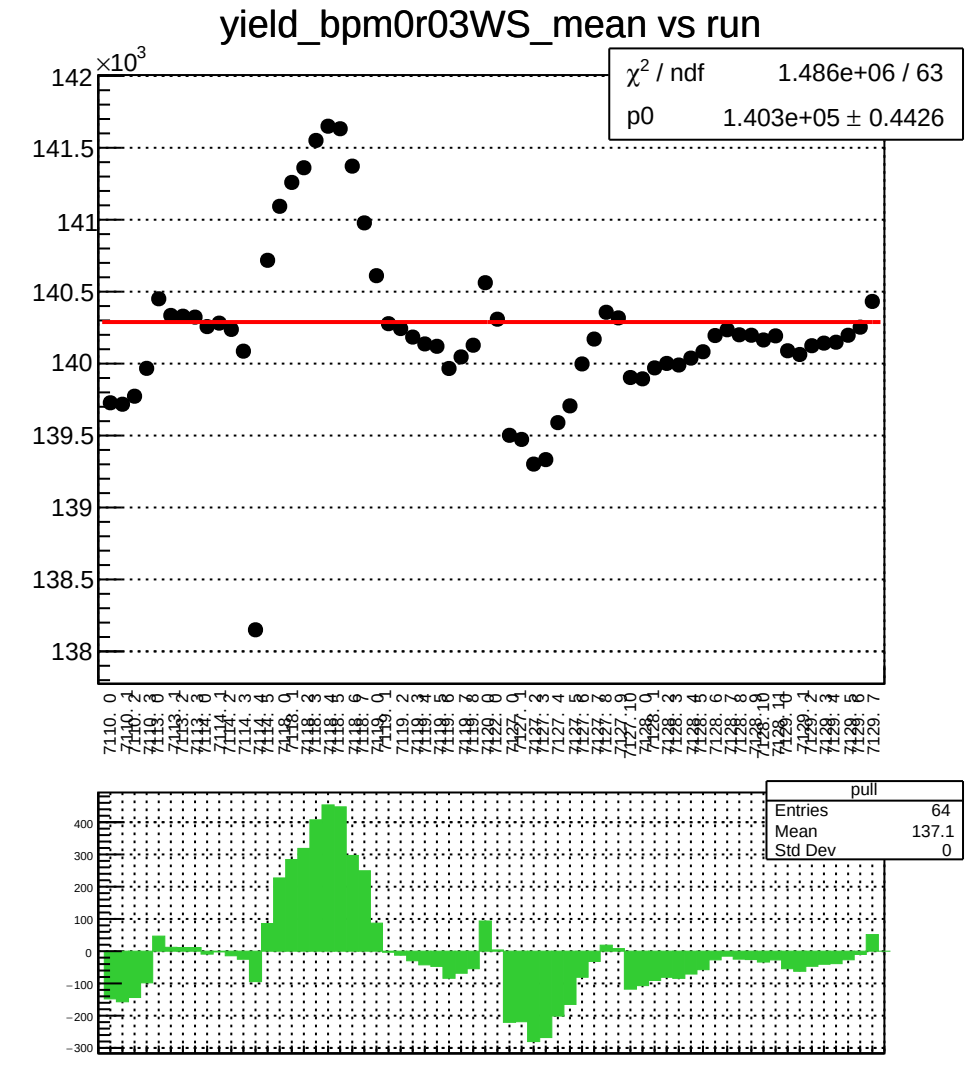

pull1D
Entries 64
Mean −0.8162
Std Dev 4.696
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

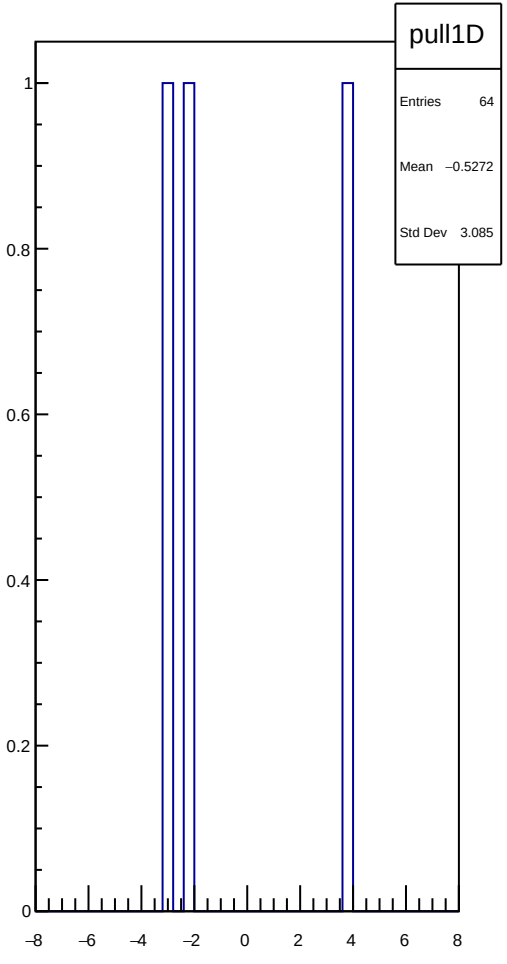

yield_bpm0l09WS_rms vs run
χ² / ndf 3.347e+04 / 63
p0 240.4 ± 0.2202
2500
2000
1500
1000
500

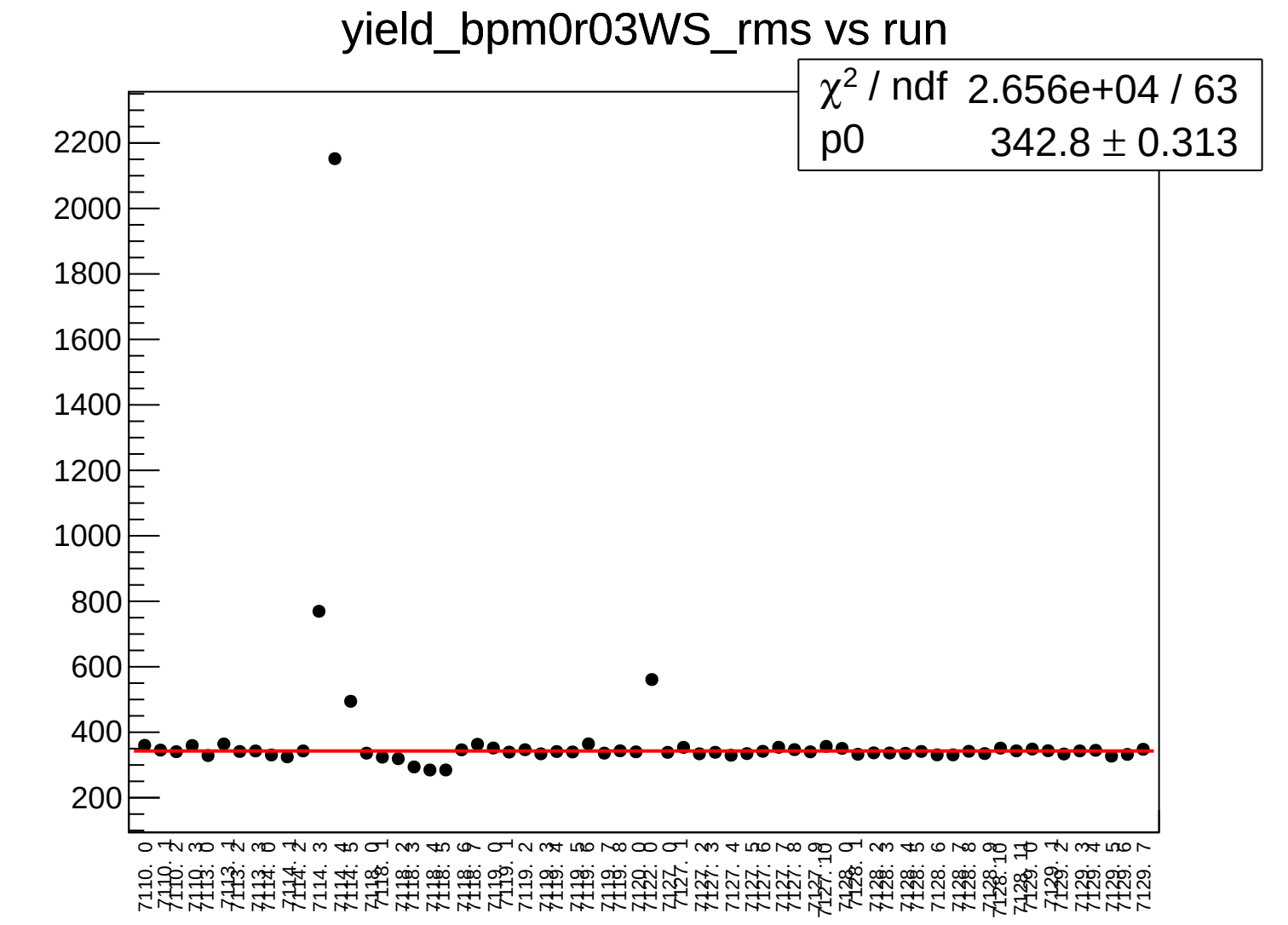

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.594e+05 / 63
p0 1.417e+05 ± 0.2975
142
141.5
141
140.5
140
139.5
pull
Entries 64
Mean −355.6
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

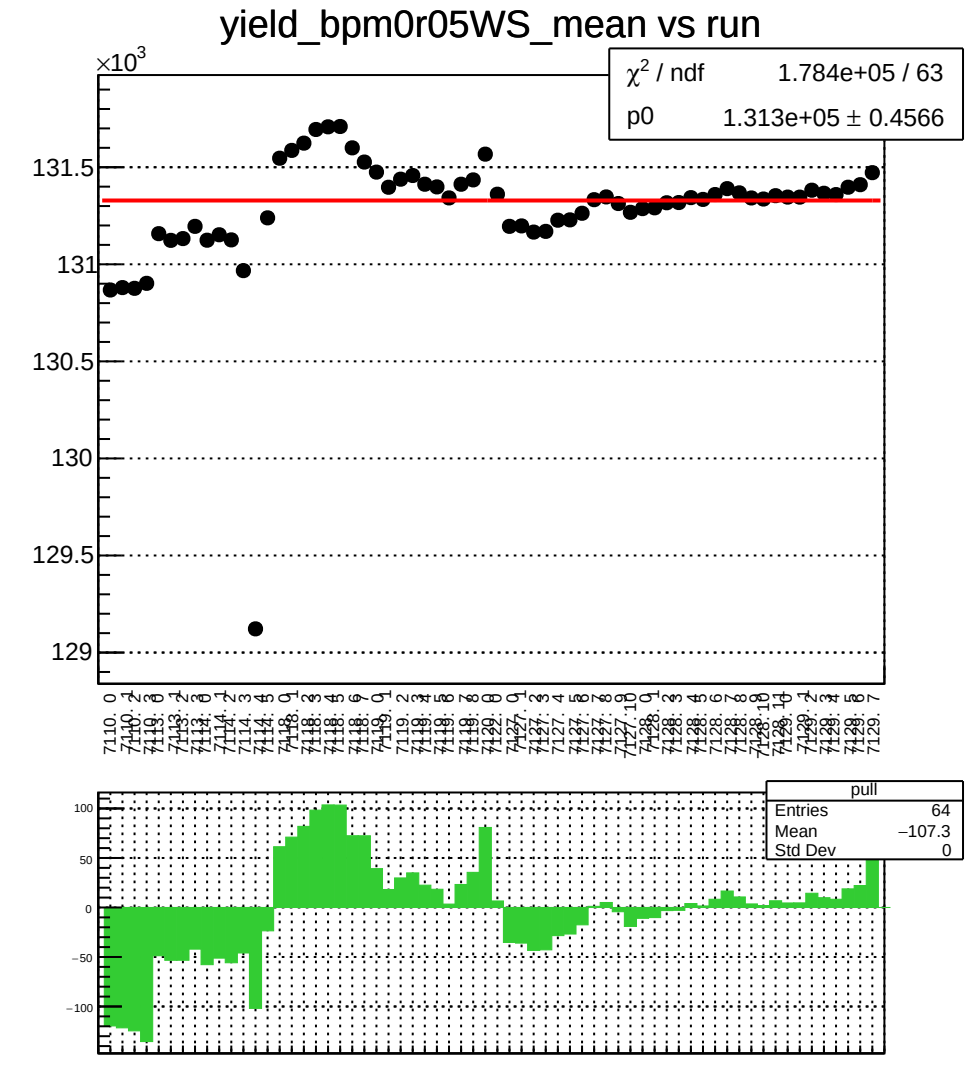

pull1D
Entries 64
Mean 1.669
Std Dev 2.62
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

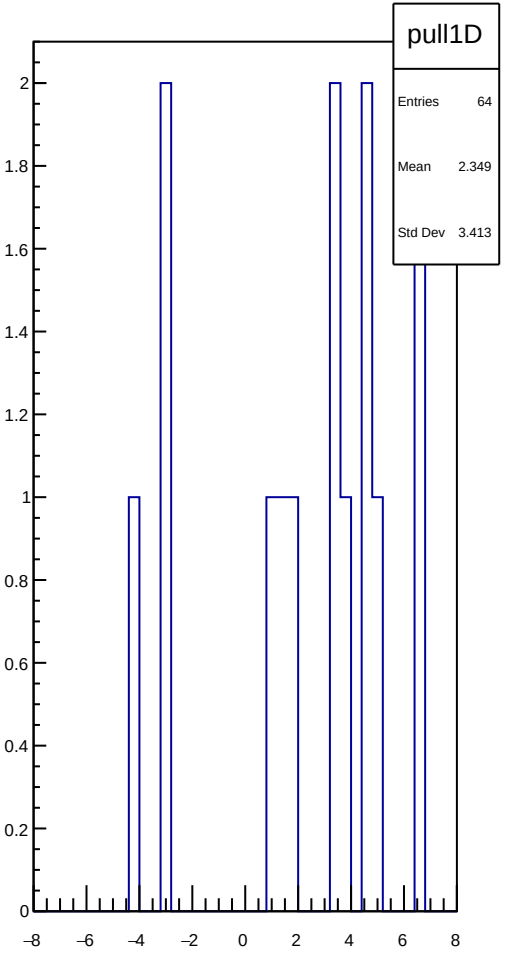

yield_bpm0l10WS_rms vs run
χ² / ndf 2.945e+04 / 63
p0 230.1 ± 0.2104
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

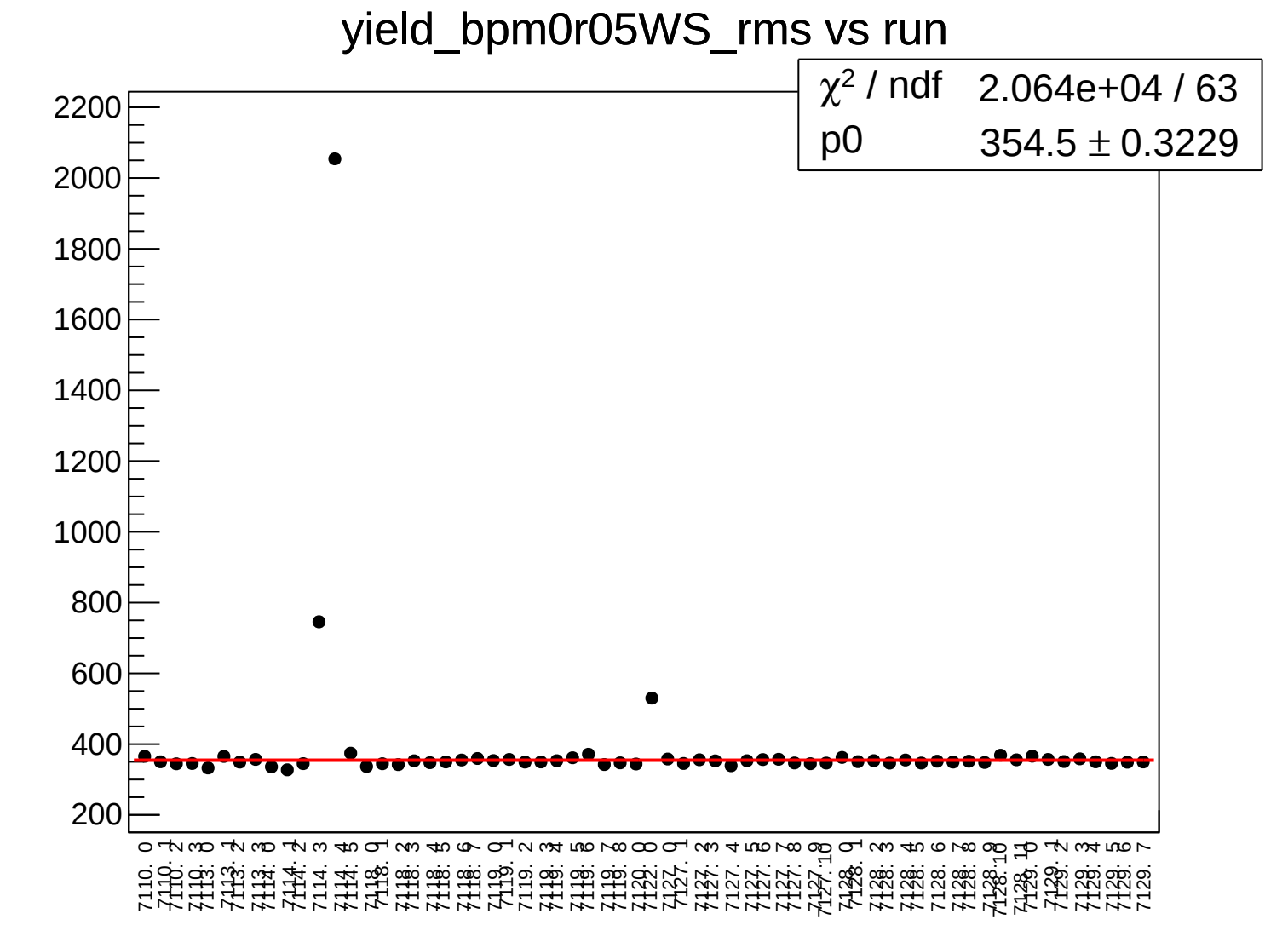

yield_bpm0r03WS_mean vs run
χ² / ndf 1.486e+06 / 63
p0 1.403e+05 ± 0.4426
×10³
142
141.5
141
140.5
140
139.5
139
138.5
138
pull
Entries 64
Mean 137.1
Std Dev 0
400
300
200
100
0
−100
−200
−300

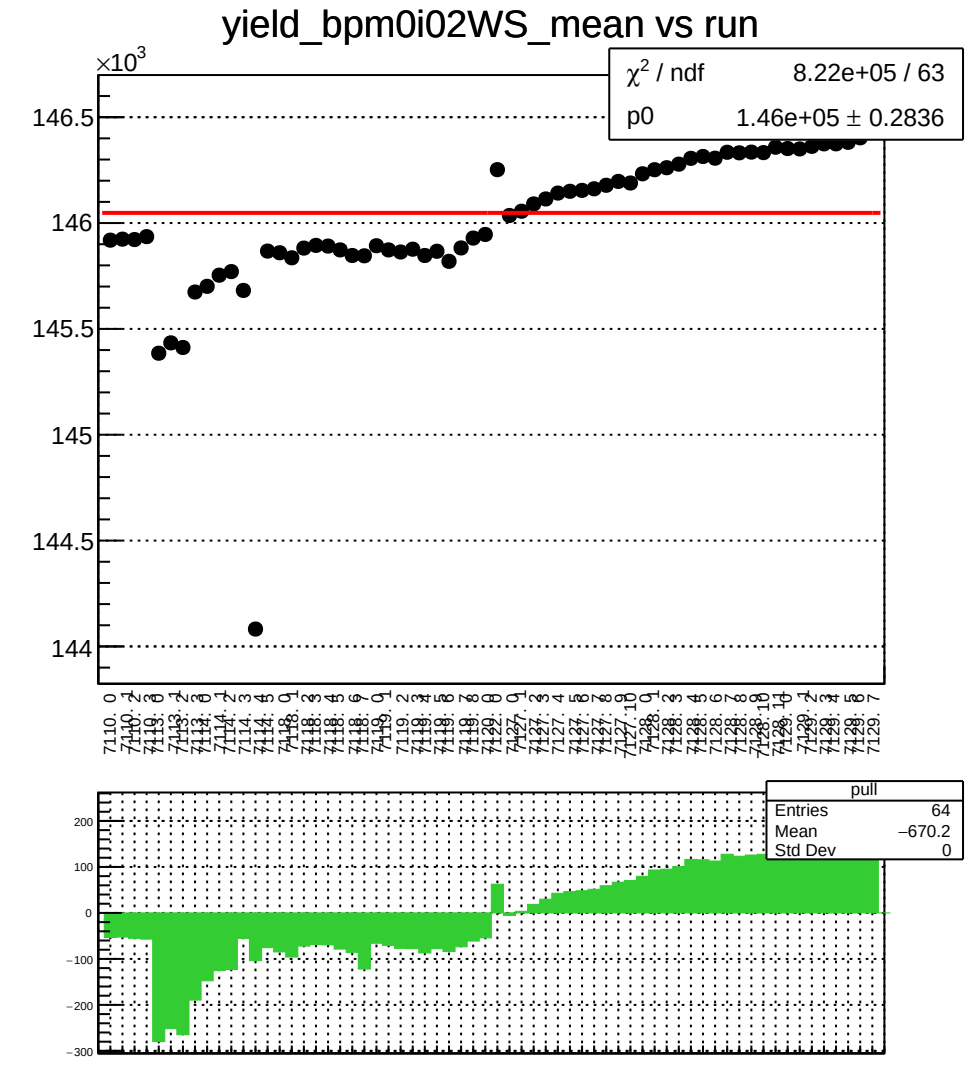

pull1D
Entries 64
Mean −0.5272
Std Dev 3.085
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

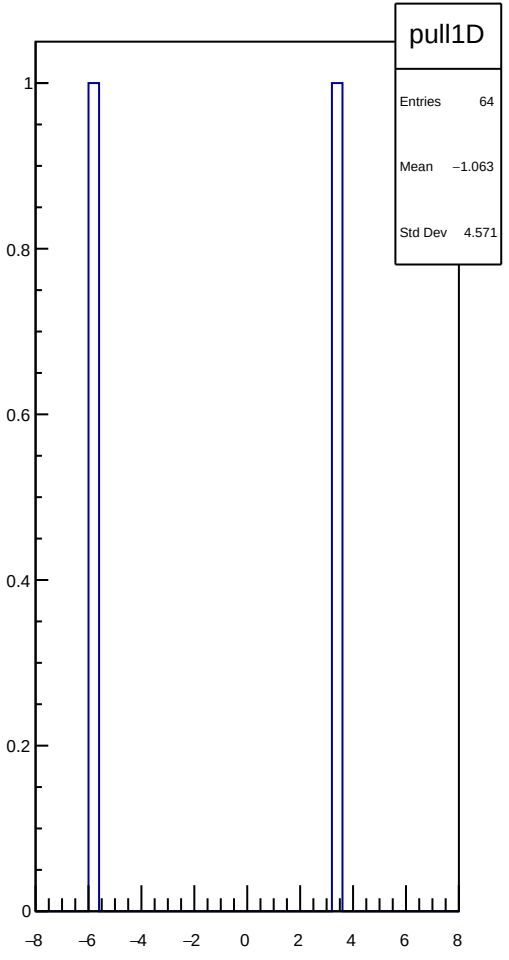

yield_bpm0r03WS_rms vs run
χ^2 / ndf 2.656e+04 / 63
p0 342.8 ± 0.313
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

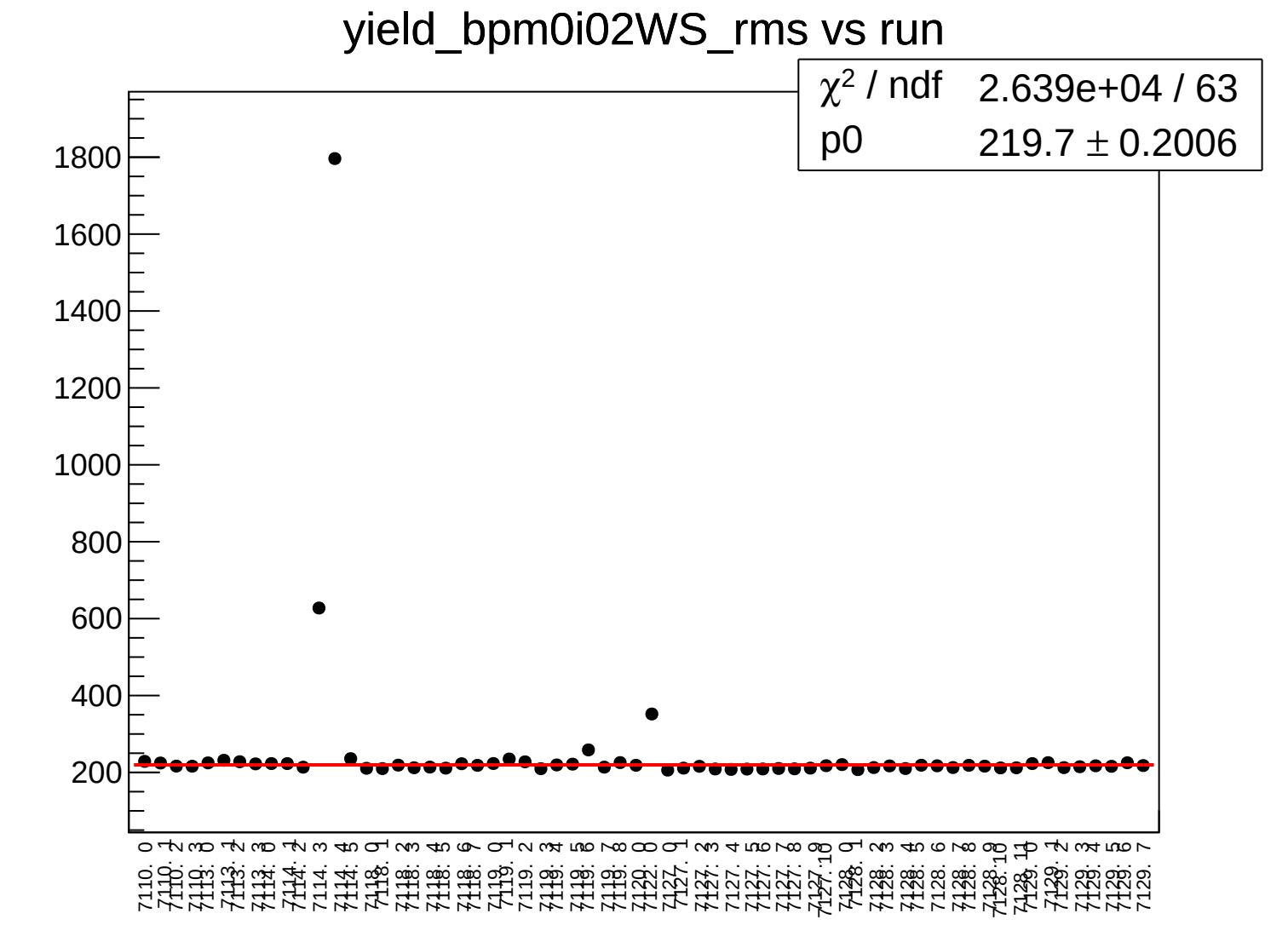

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.784e+05 / 63
p0 1.313e+05 ± 0.4566
131.5
131
130.5
130
129.5
129
pull
Entries 64
Mean −107.3
Std Dev 0
100
50
0
−50
−100

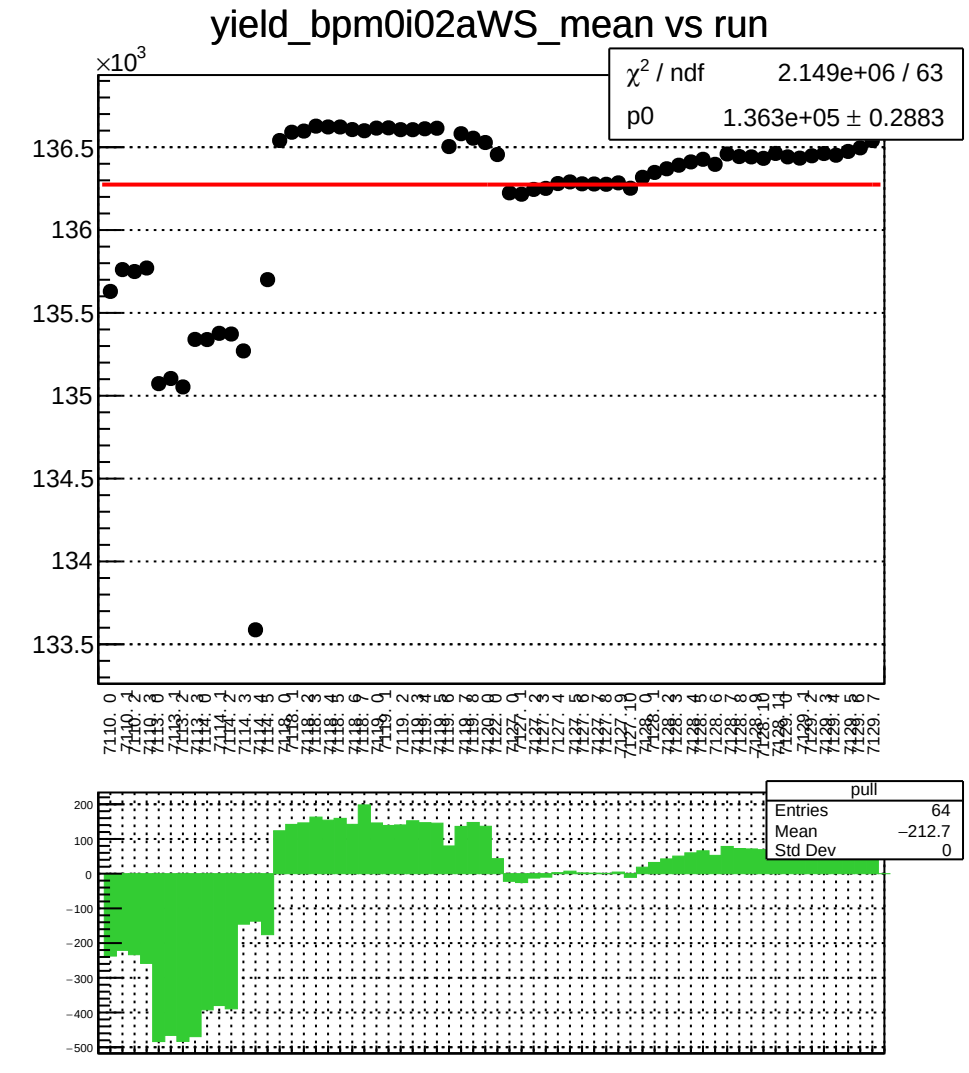

pull1D
Entries 64
Mean 2.349
Std Dev 3.413
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

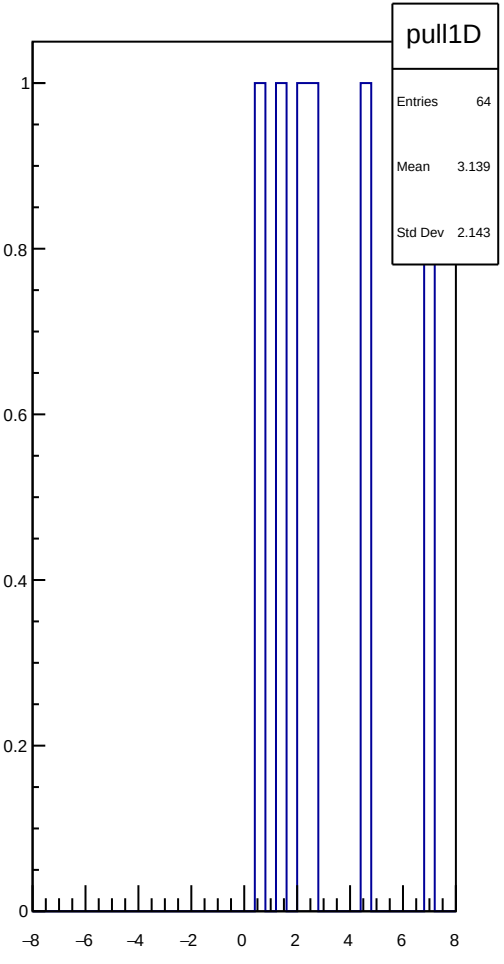

yield_bpm0r05WS_rms vs run
χ^2 / ndf 2.064e+04 / 63
p0 354.5 ± 0.3229
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

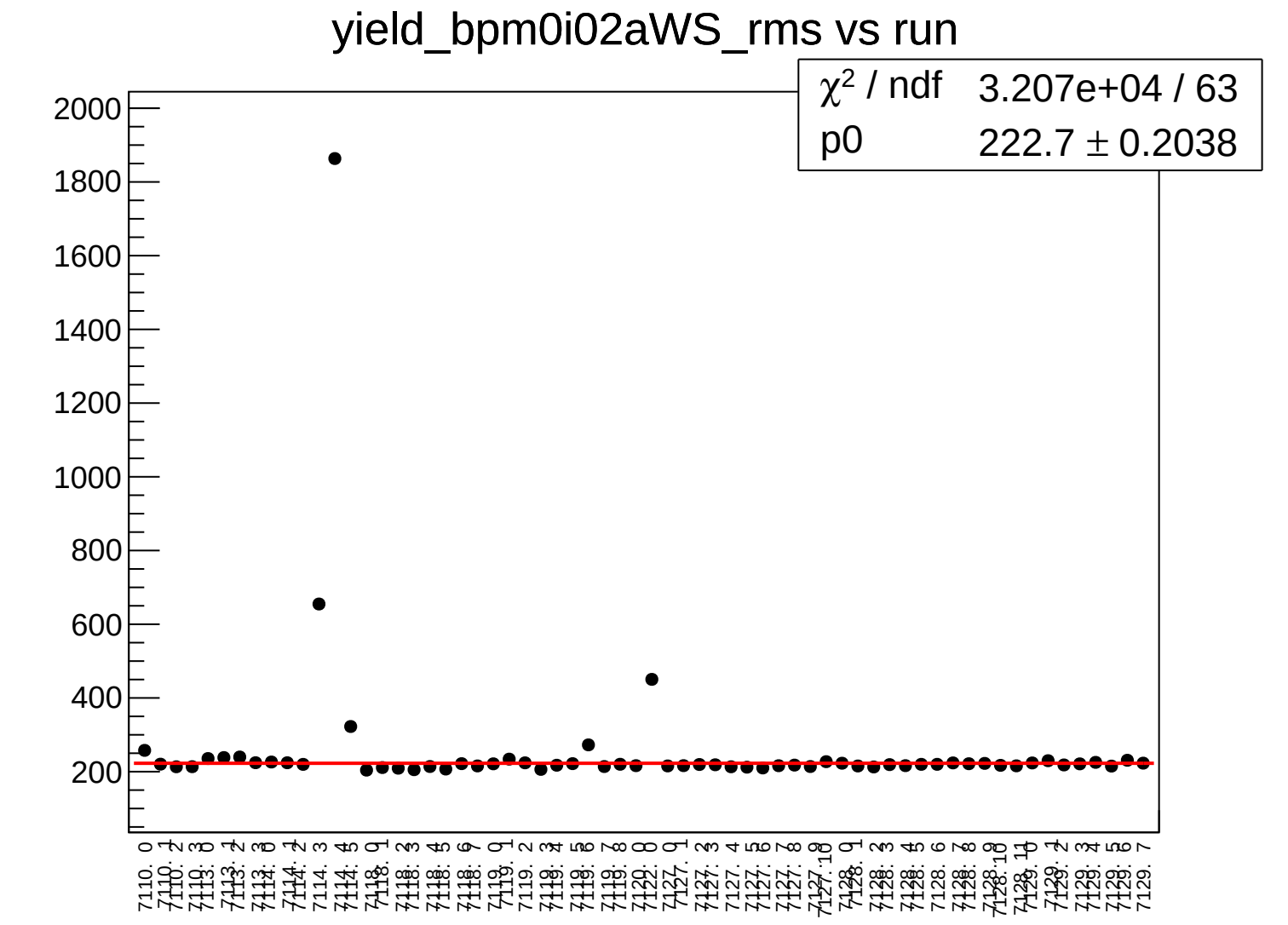

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 8.22e+05 / 63
p0 1.46e+05 ± 0.2836
146.5
146
145.5
145
144.5
144
pull
Entries 64
Mean −670.2
Std Dev 0
200
100
0
−100
−200
−300

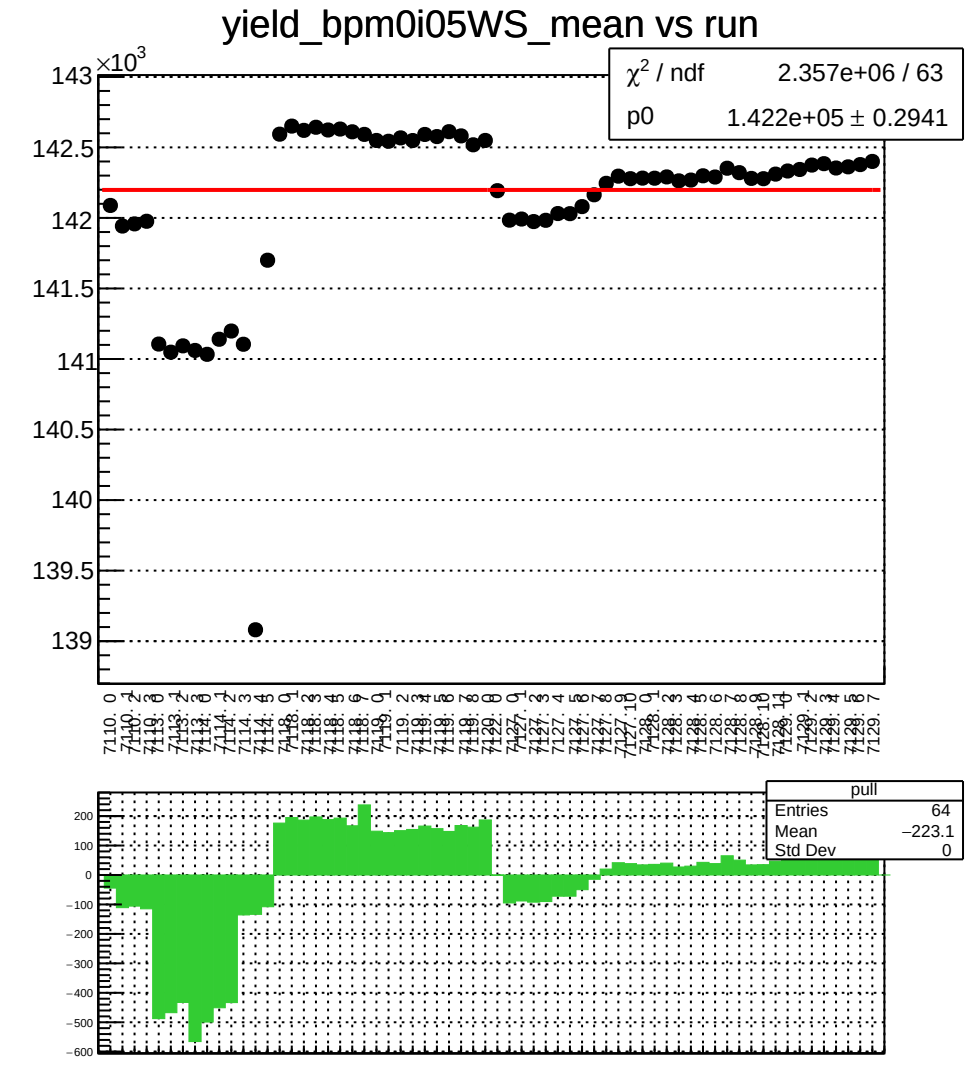

pull1D
Entries 64
Mean −1.063
Std Dev 4.571
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

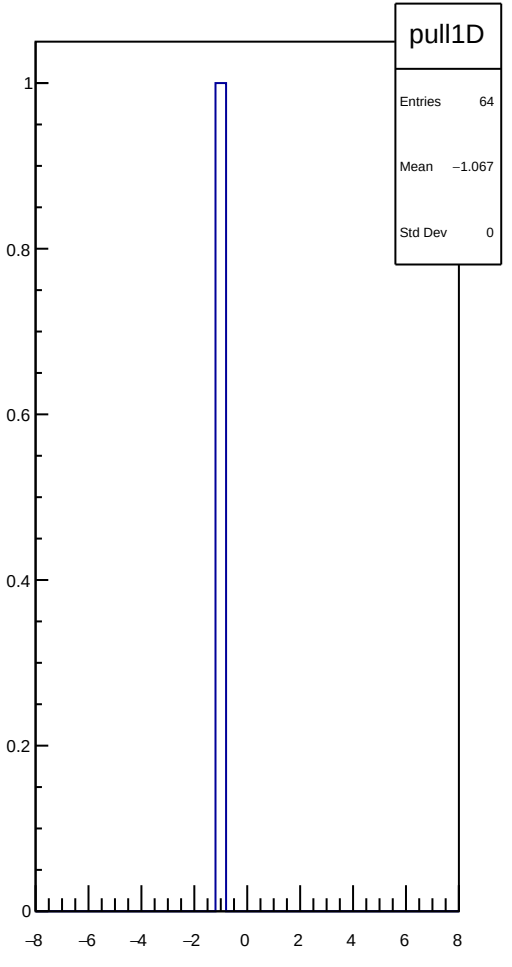

yield_bpm0i02WS_rms vs run
χ² / ndf 2.639e+04 / 63
p0 219.7 ± 0.2006
1800
1600
1400
1200
1000
800
600
400
200

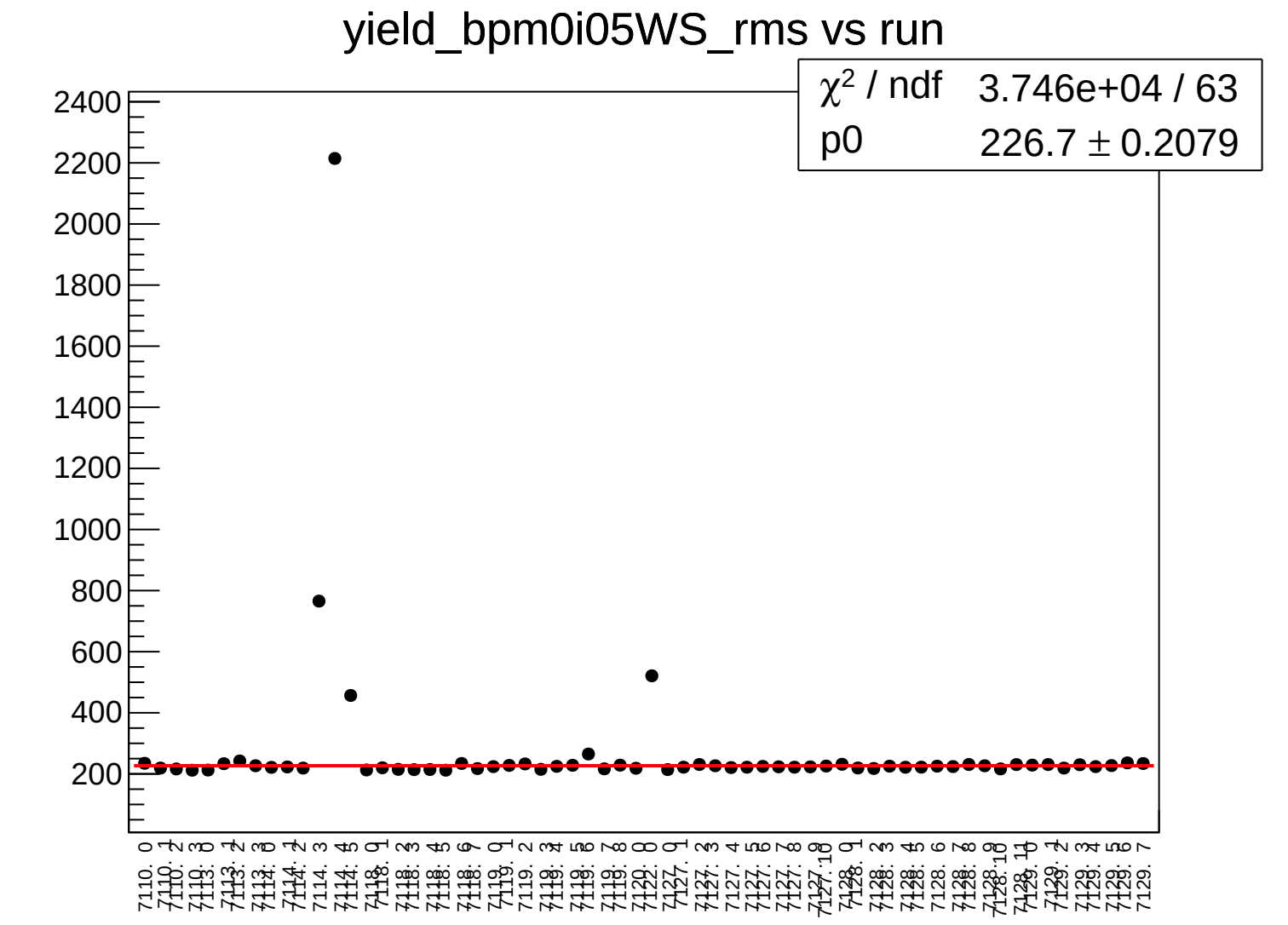

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 2.149e+06 / 63
p0 1.363e+05 ± 0.2883
136.5
136
135.5
135
134.5
134
133.5
pull
Entries 64
Mean −212.7
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

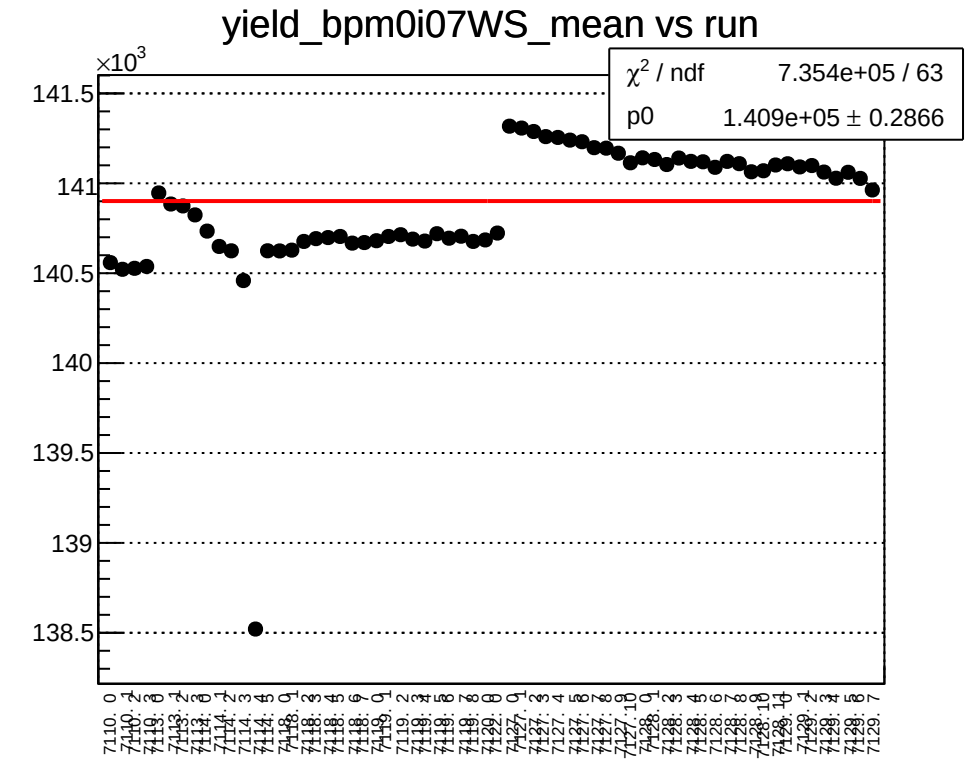

pull1D
Entries 64
Mean 3.139
Std Dev 2.143
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

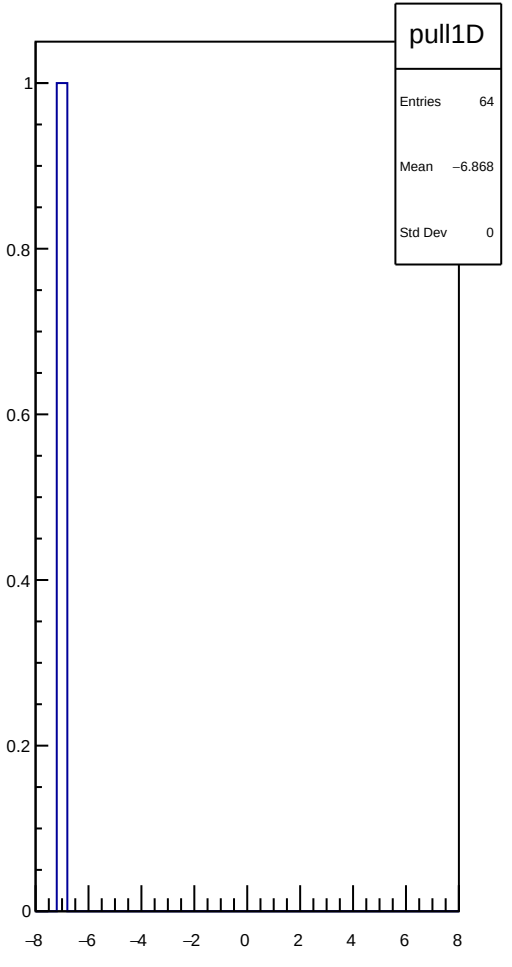

yield_bpm0i02aWS_rms vs run
χ² / ndf 3.207e+04 / 63
p0 222.7 ± 0.2038
2000
1800
1600
1400
1200
1000
800
600
400
200

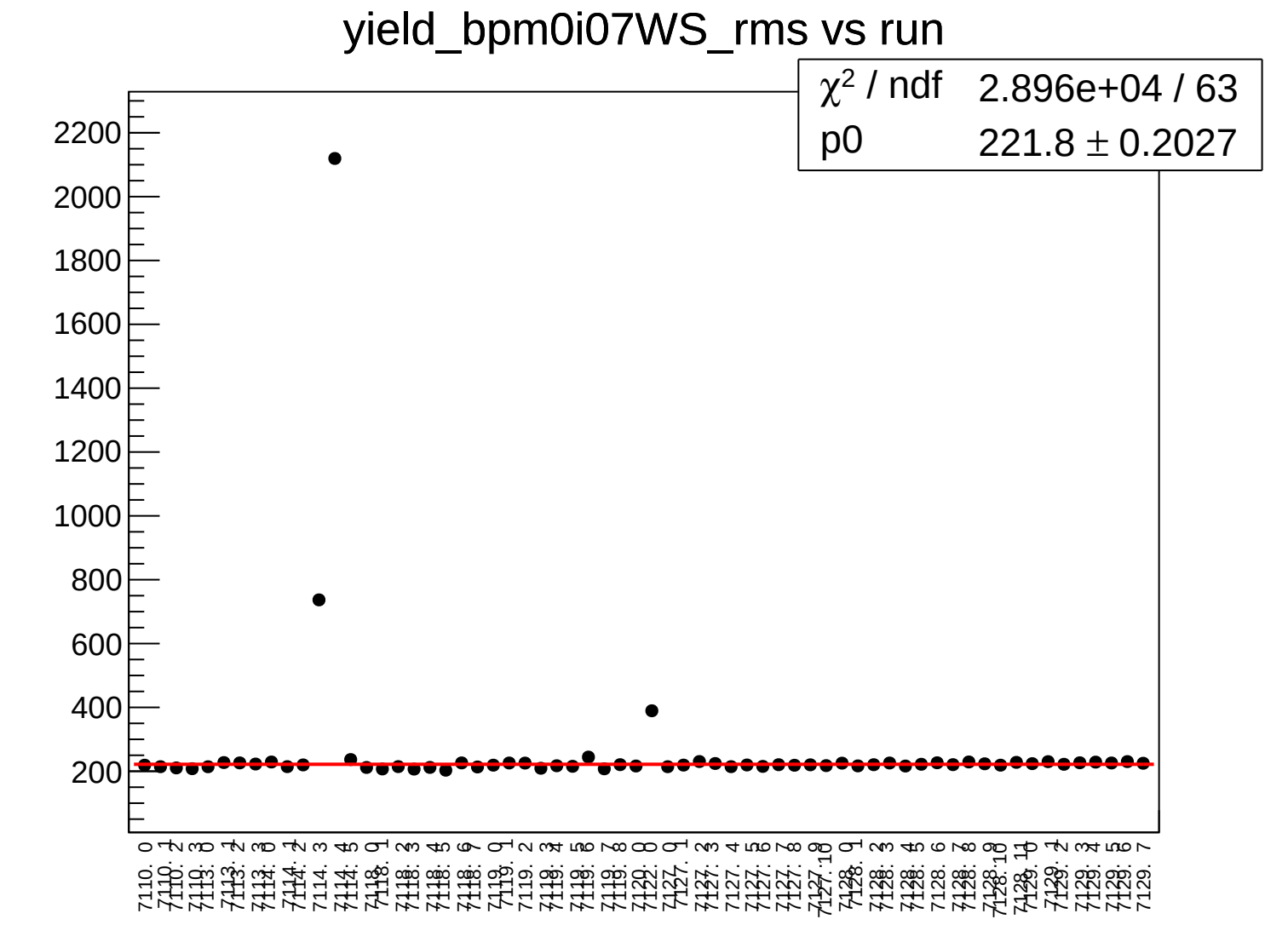

yield_bpm0i05WS_mean vs run
×10^3
143
142.5
142
141.5
141
140.5
140
139.5
139
χ² / ndf 2.357e+06 / 63
p0 1.422e+05 ± 0.2941
pull
Entries 64
Mean −223.1
Std Dev 0
200
100
0
−100
−200
−300
−400
−500
−600

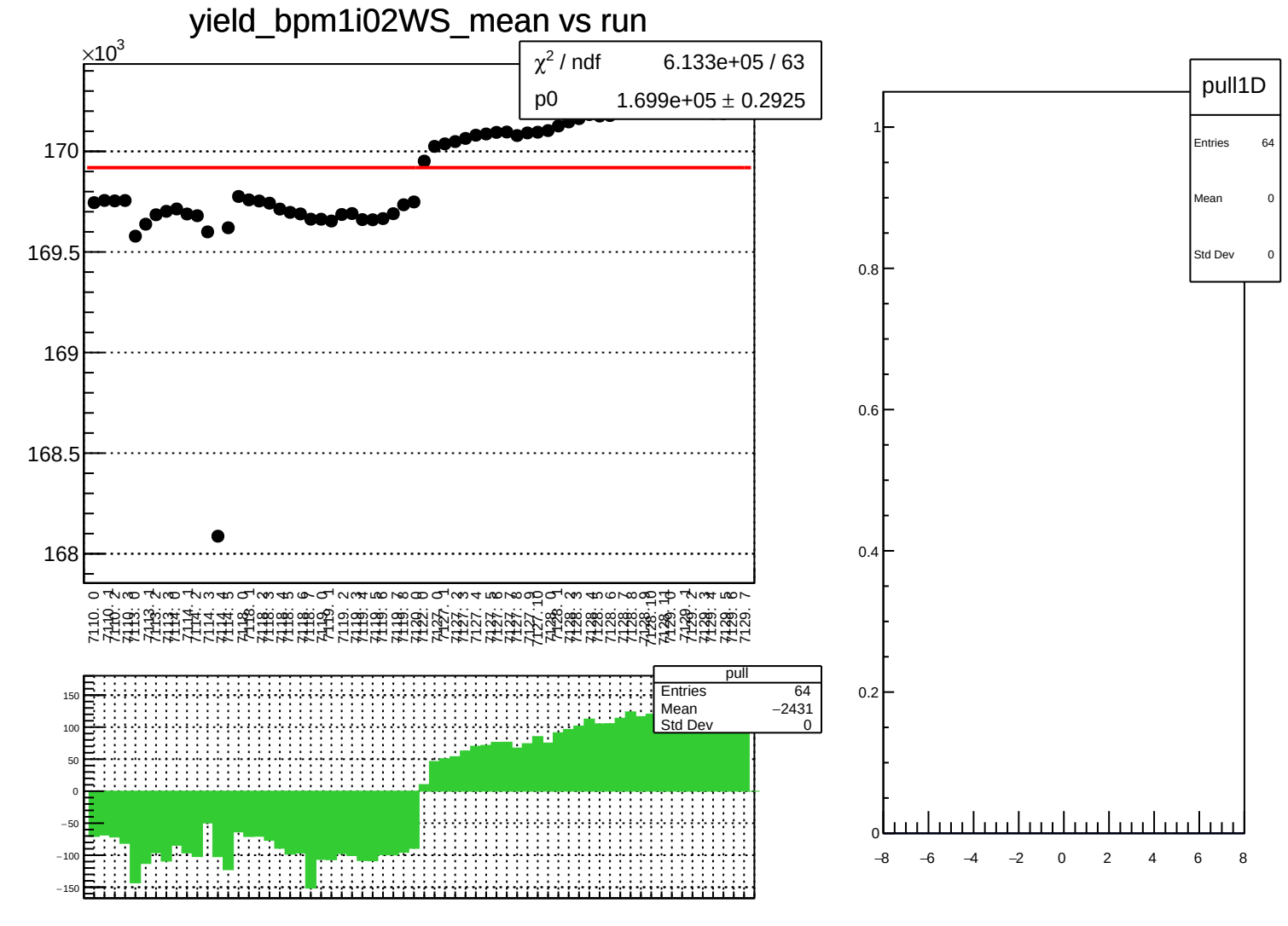

pull1D
Entries 64
Mean −1.067
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

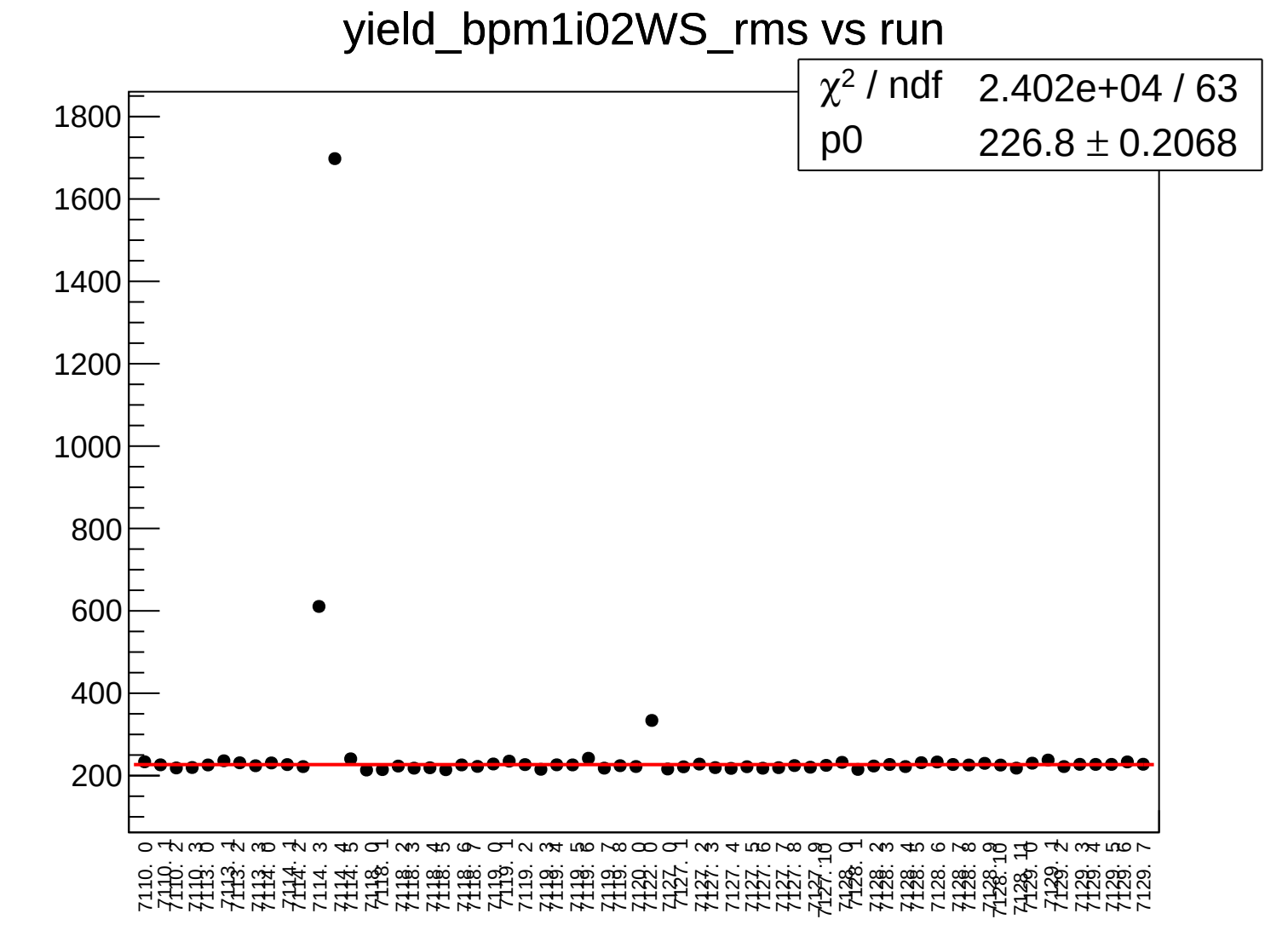

yield_bpm0i05WS_rms vs run
χ² / ndf 3.746e+04 / 63
p0 226.7 ± 0.2079
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

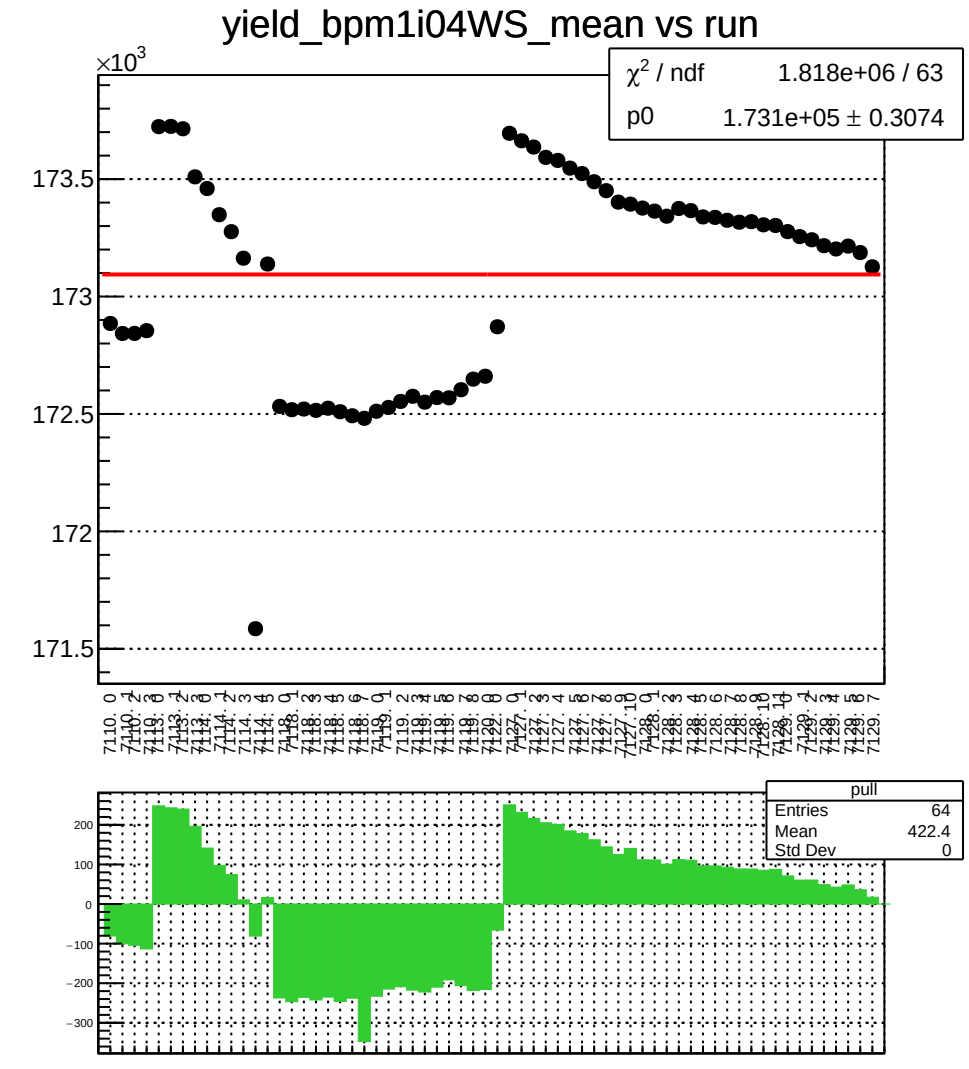

yield_bpm0i07WS_mean vs run
×10^3
141.5
141
140.5
140
139.5
139
138.5
χ² / ndf 7.354e+05 / 63
p0 1.409e+05 ± 0.2866
pull
Entries 64
Mean 2096
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

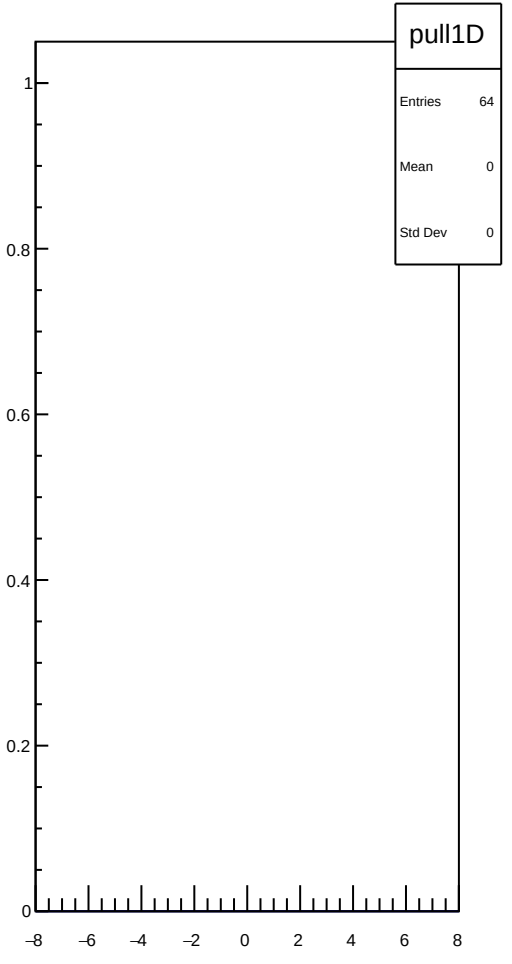

pull1D
Entries 64
Mean −6.868
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

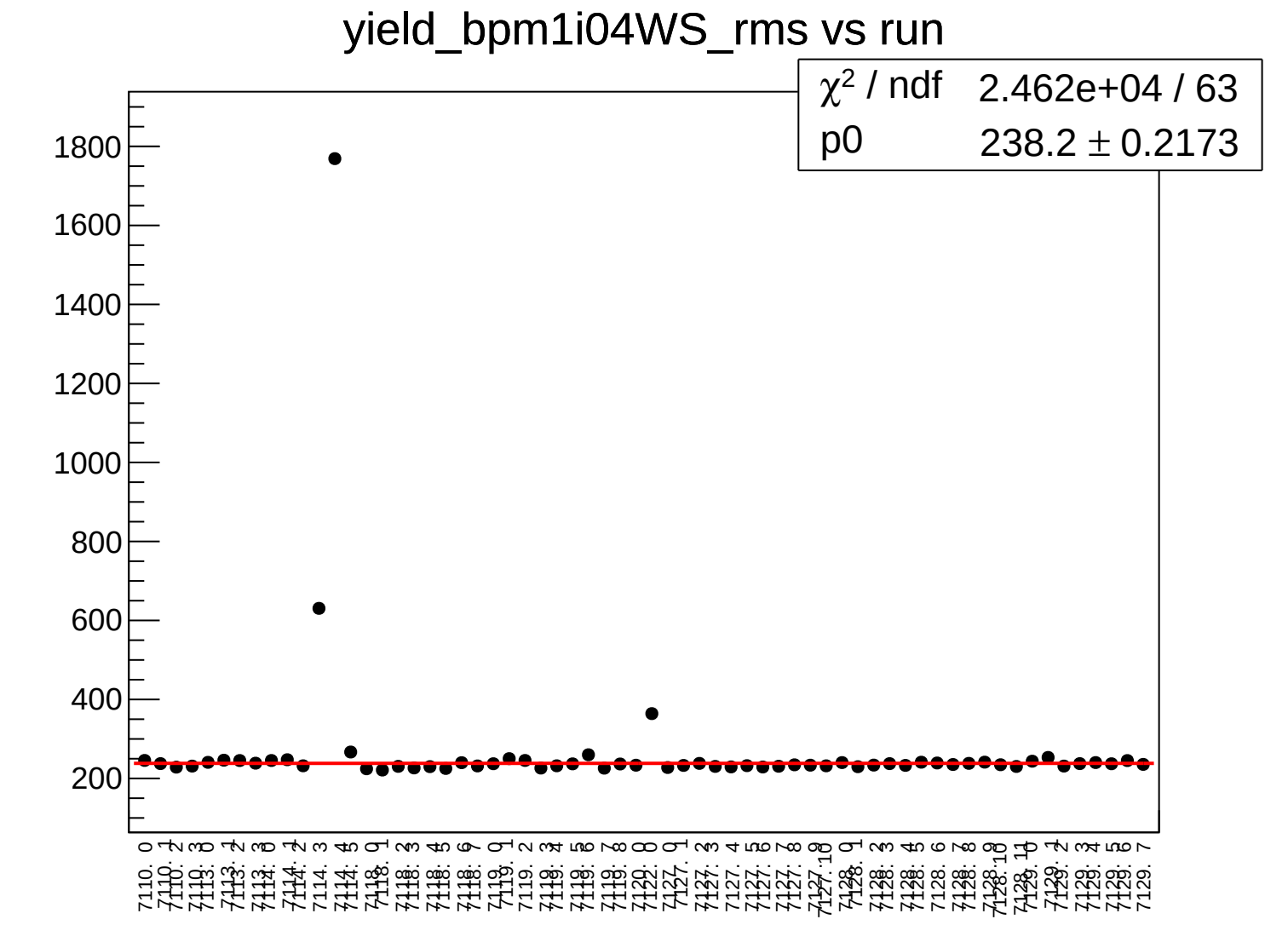

yield_bpm0i07WS_rms vs run
χ² / ndf 2.896e+04 / 63
p0 221.8 ± 0.2027
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

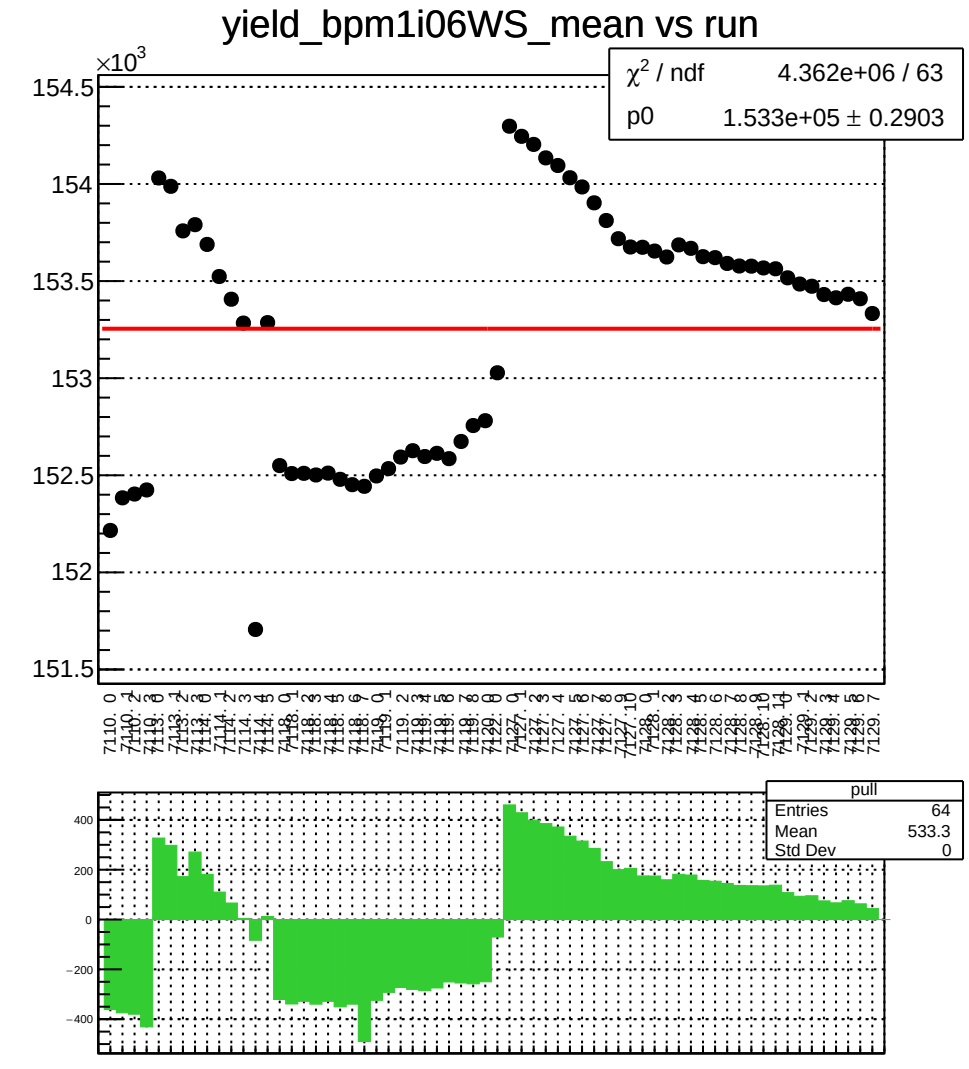

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 6.133e+05 / 63
p0 1.699e+05 ± 0.2925
170
169.5
169
168.5
168
pull
Entries 64
Mean −2431
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

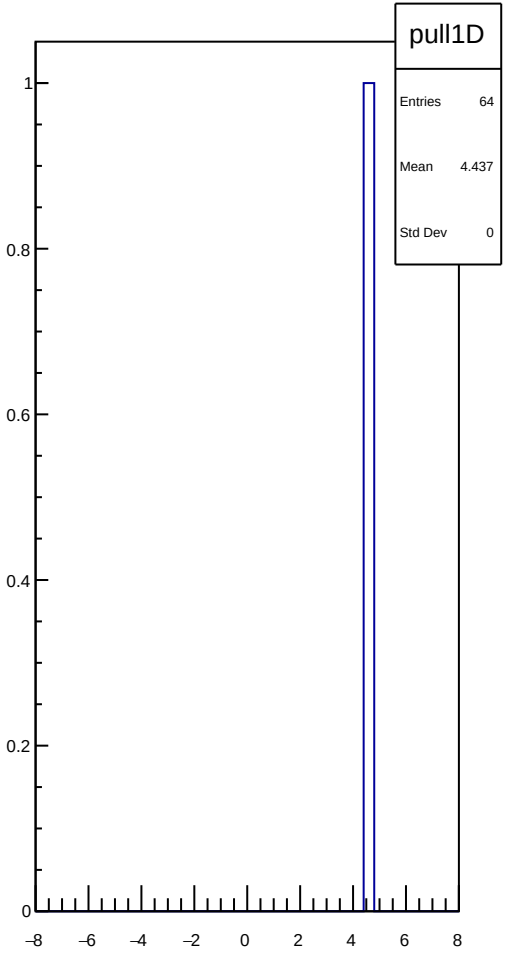

yield_bpm1i02WS_rms vs run
χ² / ndf 2.402e+04 / 63
p0 226.8 ± 0.2068
1800
1600
1400
1200
1000
800
600
400
200

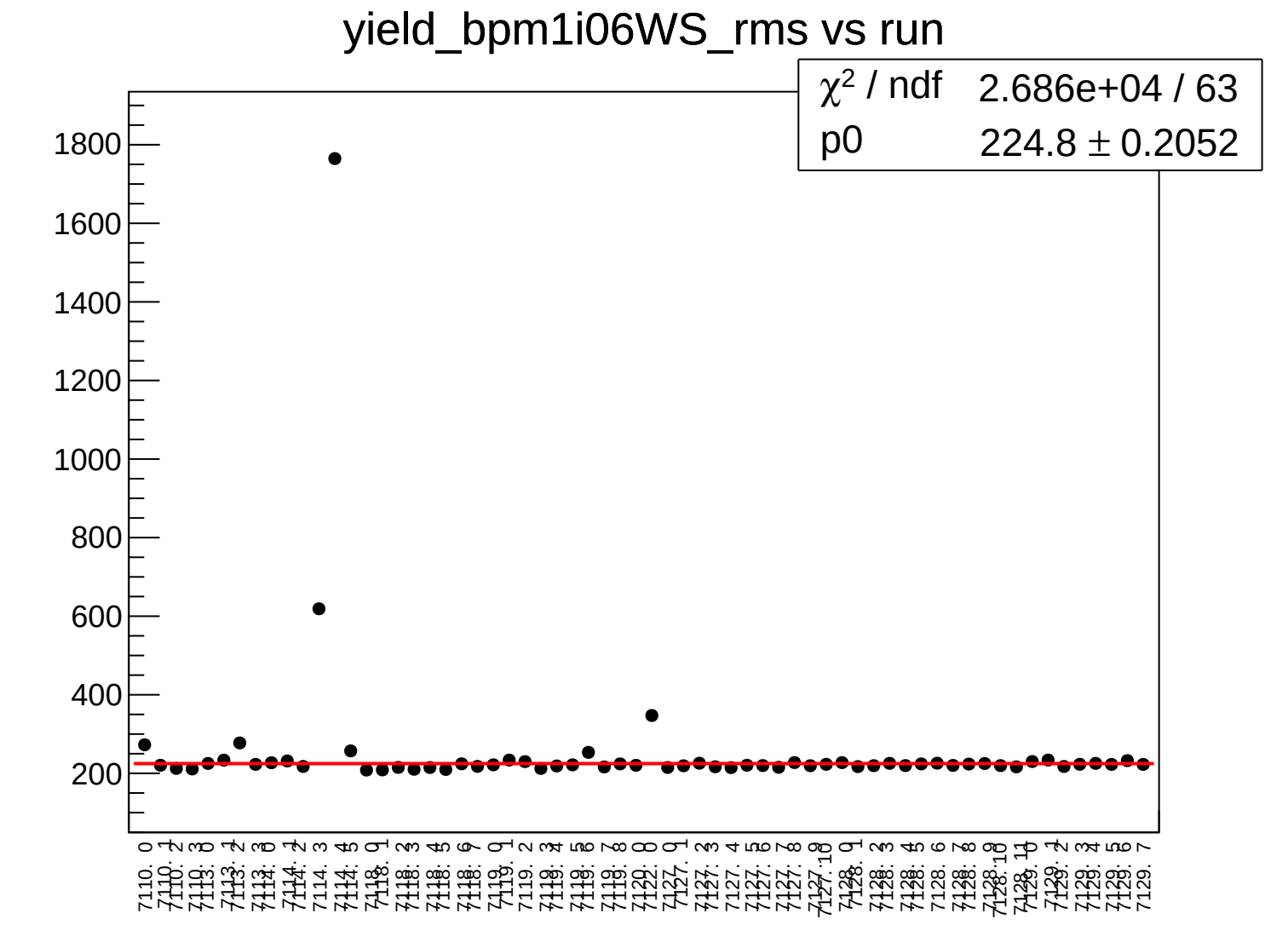

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.818e+06 / 63
p0 1.731e+05 ± 0.3074
173.5
173
172.5
172
171.5
pull
Entries 64
Mean 422.4
Std Dev 0
200
100
0
−100
−200
−300

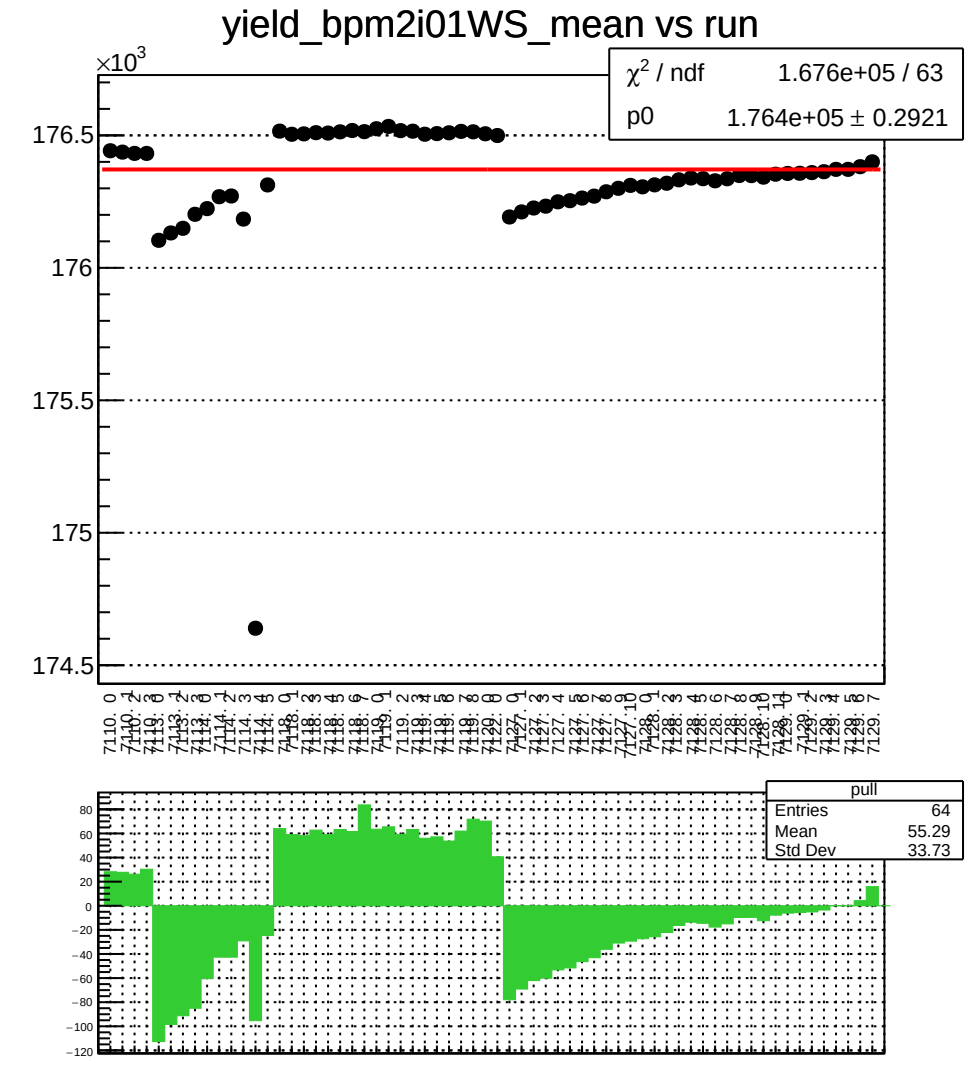

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

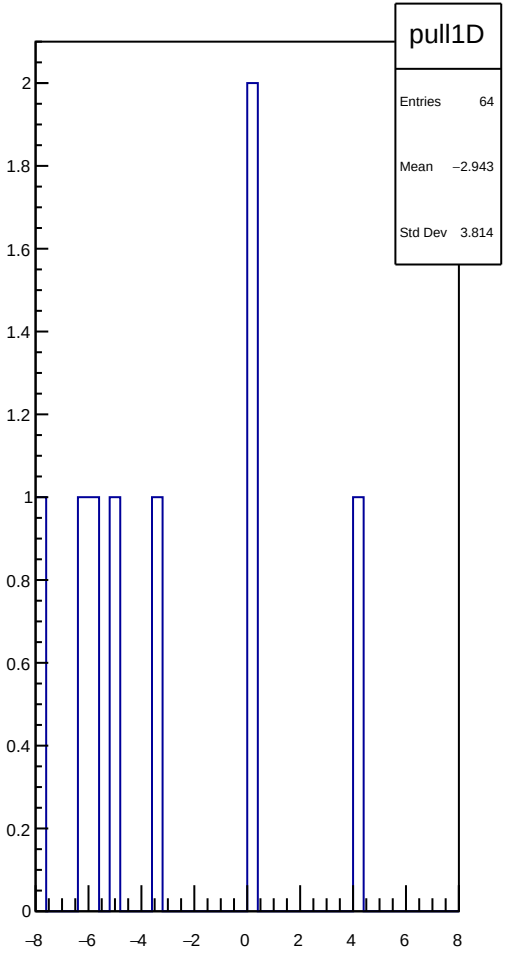

yield_bpm1i04WS_rms vs run
χ² / ndf 2.462e+04 / 63
p0 238.2 ± 0.2173
1800
1600
1400
1200
1000
800
600
400
200

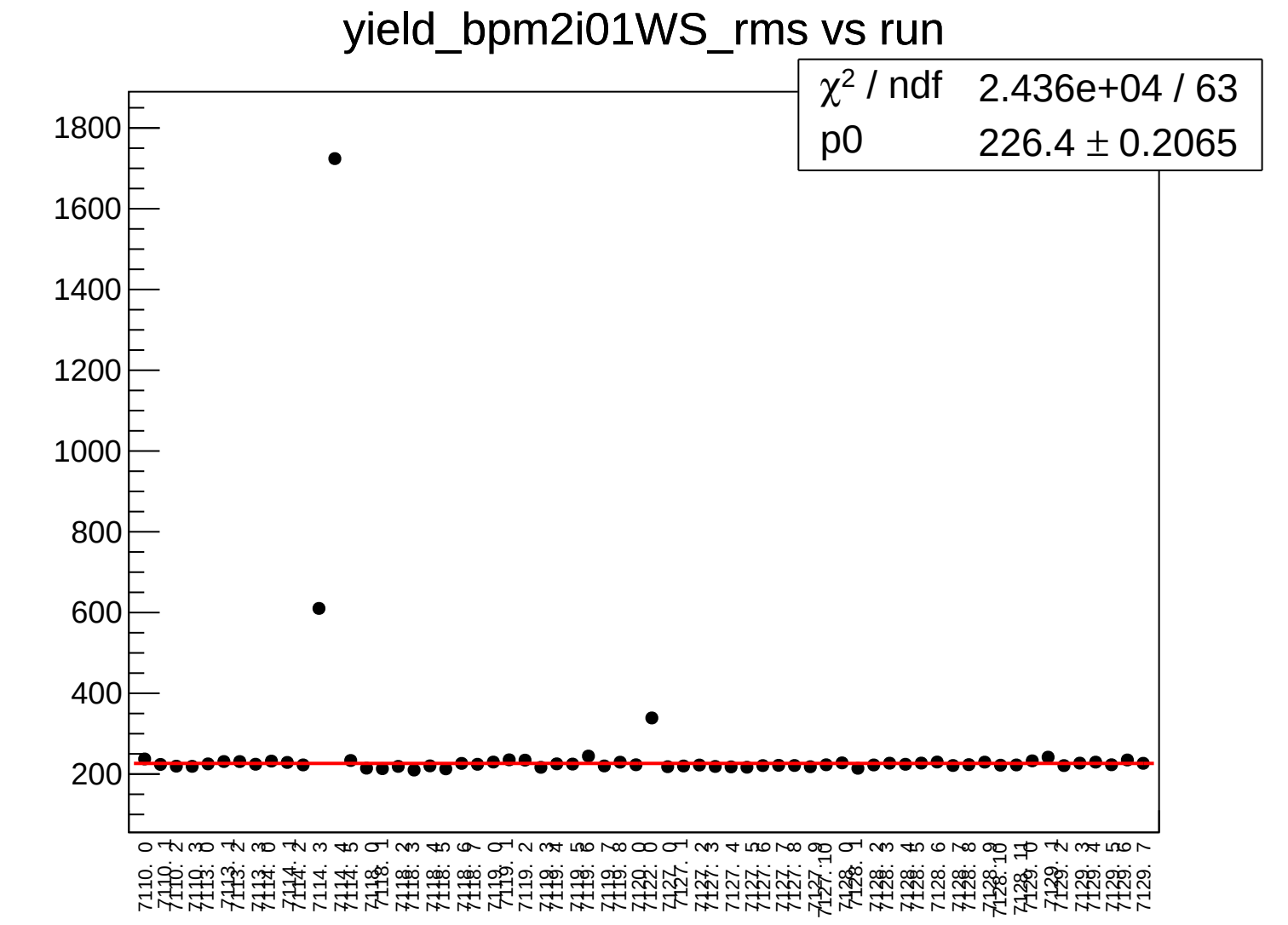

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 4.362e+06 / 63
p0 1.533e+05 ± 0.2903
154.5
154
153.5
153
152.5
152
151.5
pull
Entries 64
Mean 533.3
Std Dev 0
400
200
0
−200
−400

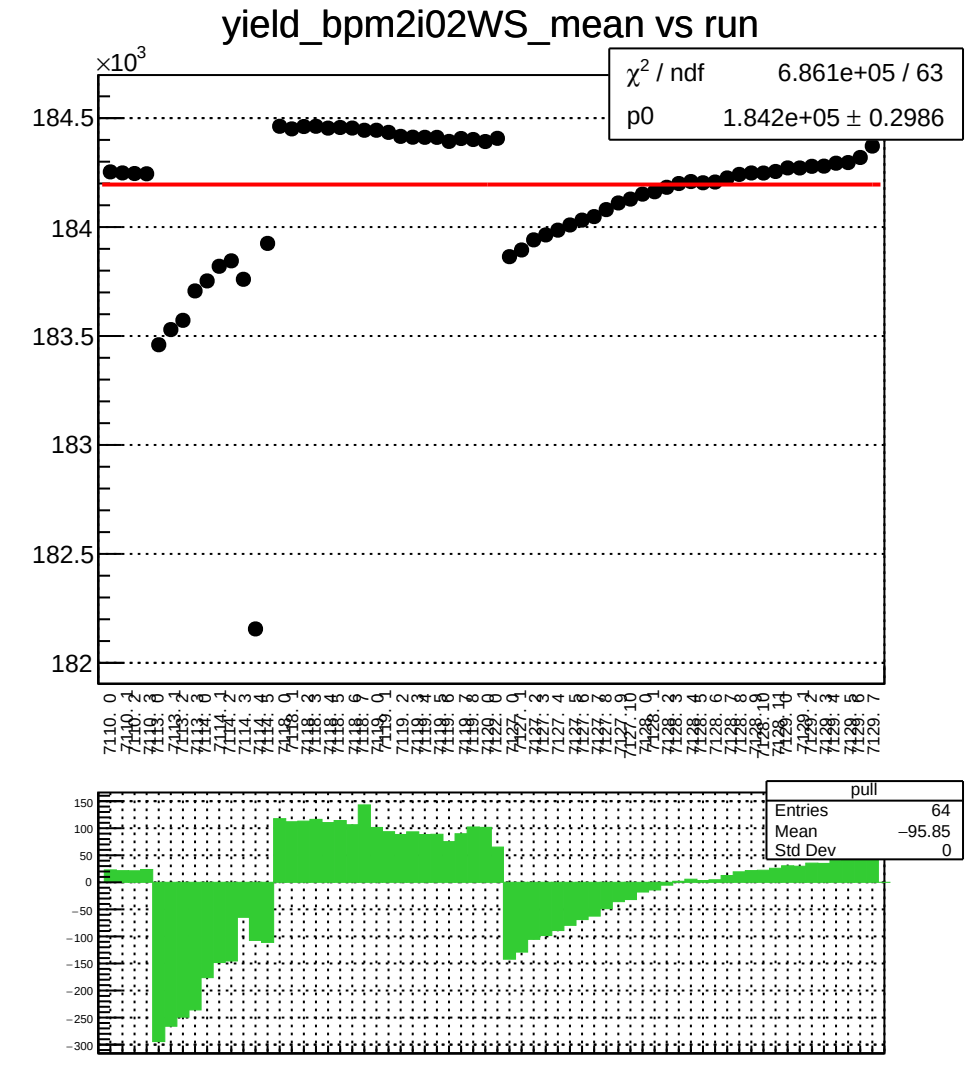

pull1D
Entries 64
Mean 4.437
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

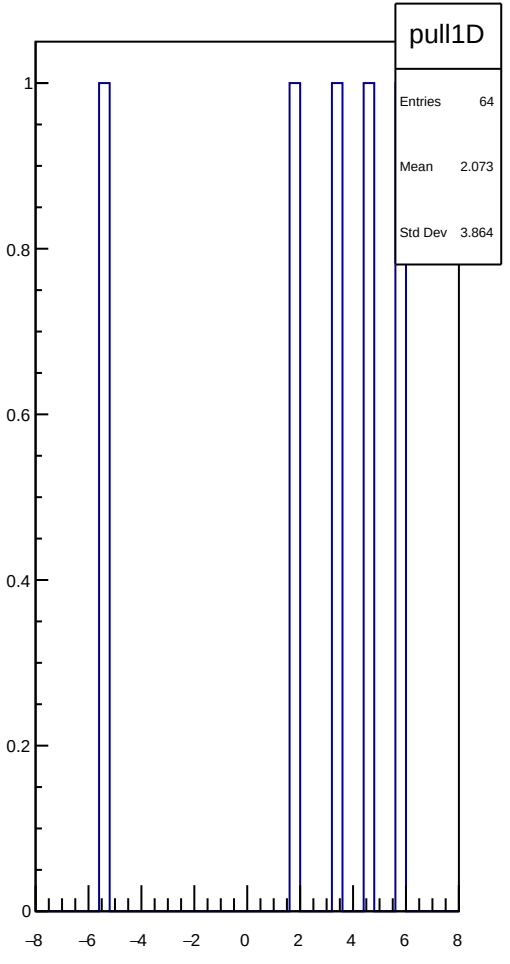

yield_bpm1i06WS_rms vs run
χ² / ndf 2.686e+04 / 63
p0 224.8 ± 0.2052
1800
1600
1400
1200
1000
800
600
400
200

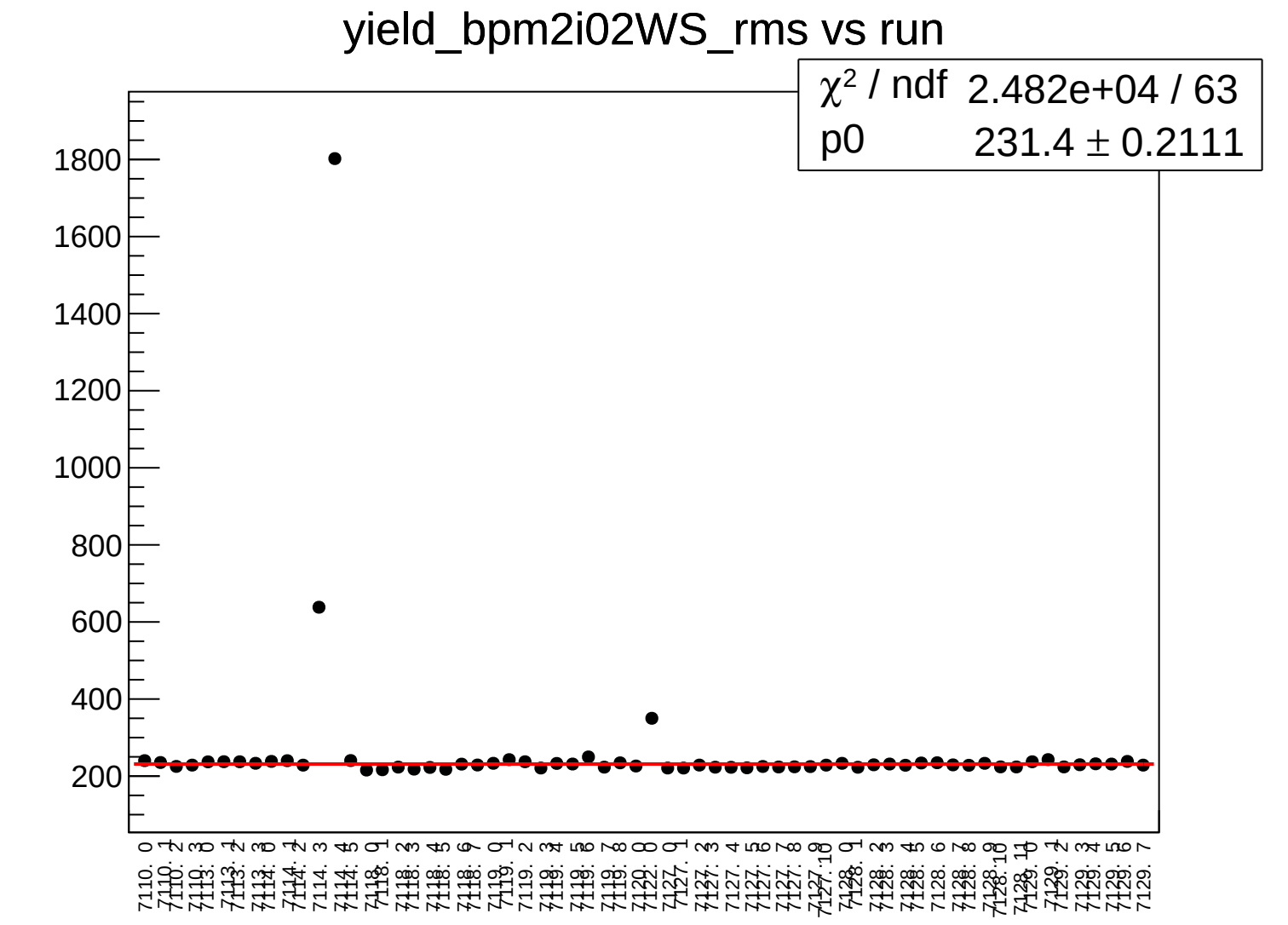

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.676e+05 / 63
p0 1.764e+05 ± 0.2921
176.5
176
175.5
175
174.5
pull
Entries 64
Mean 55.29
Std Dev 33.73
80
60
40
20
0
−20
−40
−60
−80
−100
−120

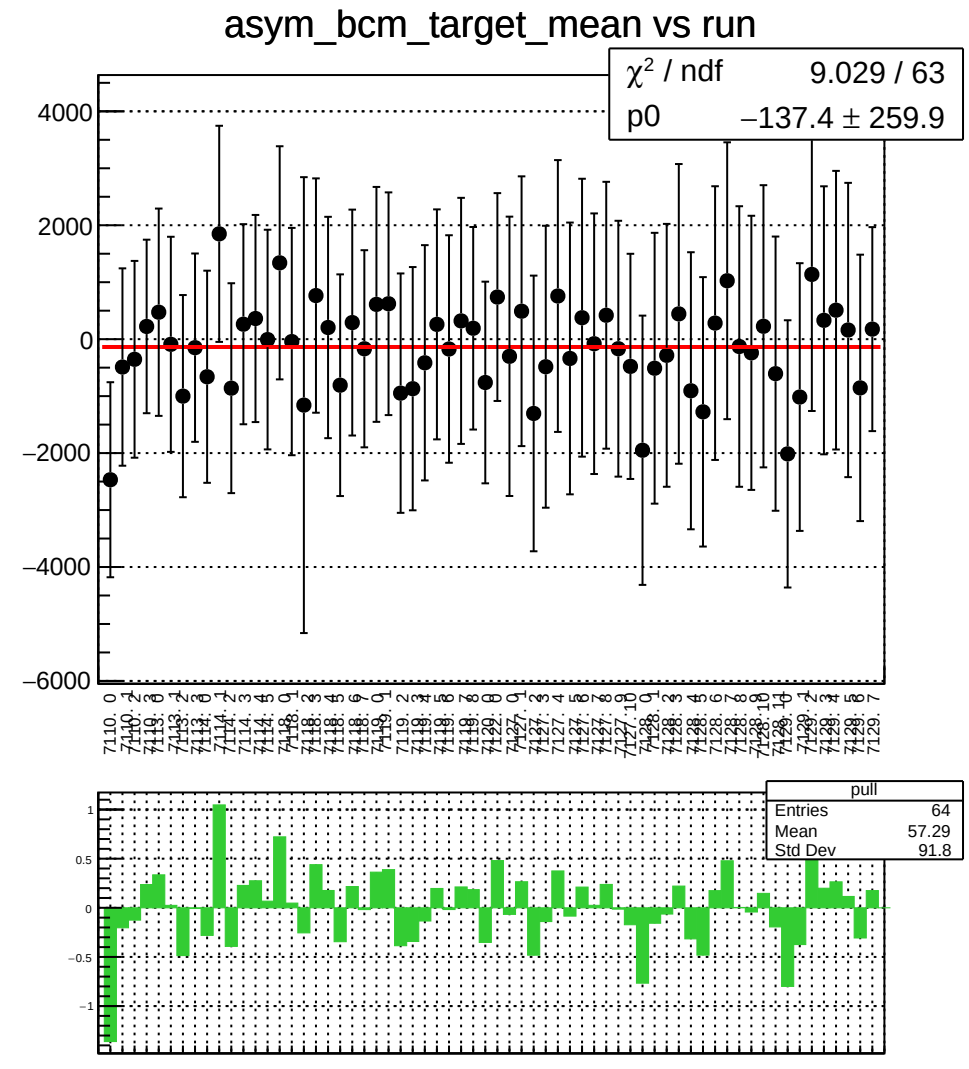

pull1D
Entries 64
Mean −2.943
Std Dev 3.814
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

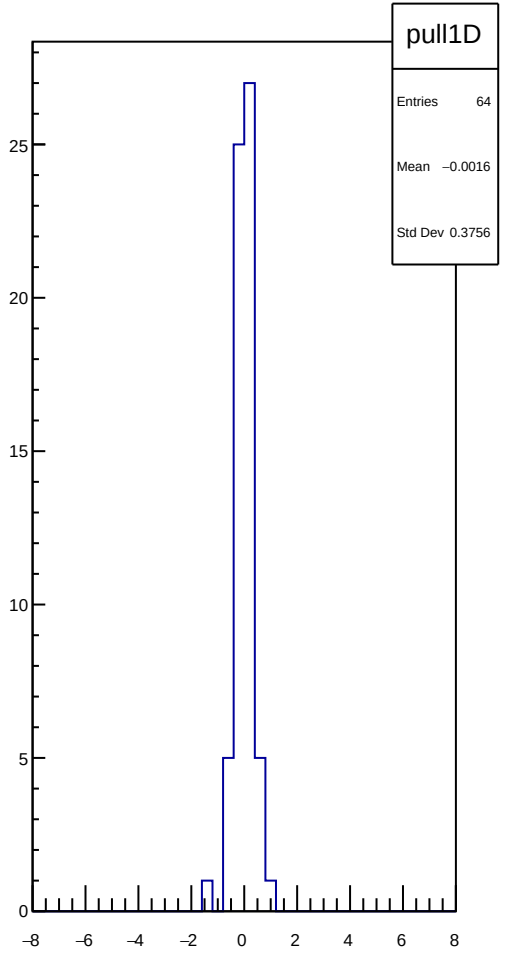

yield_bpm2i01WS_rms vs run
χ² / ndf 2.436e+04 / 63
p0 226.4 ± 0.2065
1800
1600
1400
1200
1000
800
600
400
200

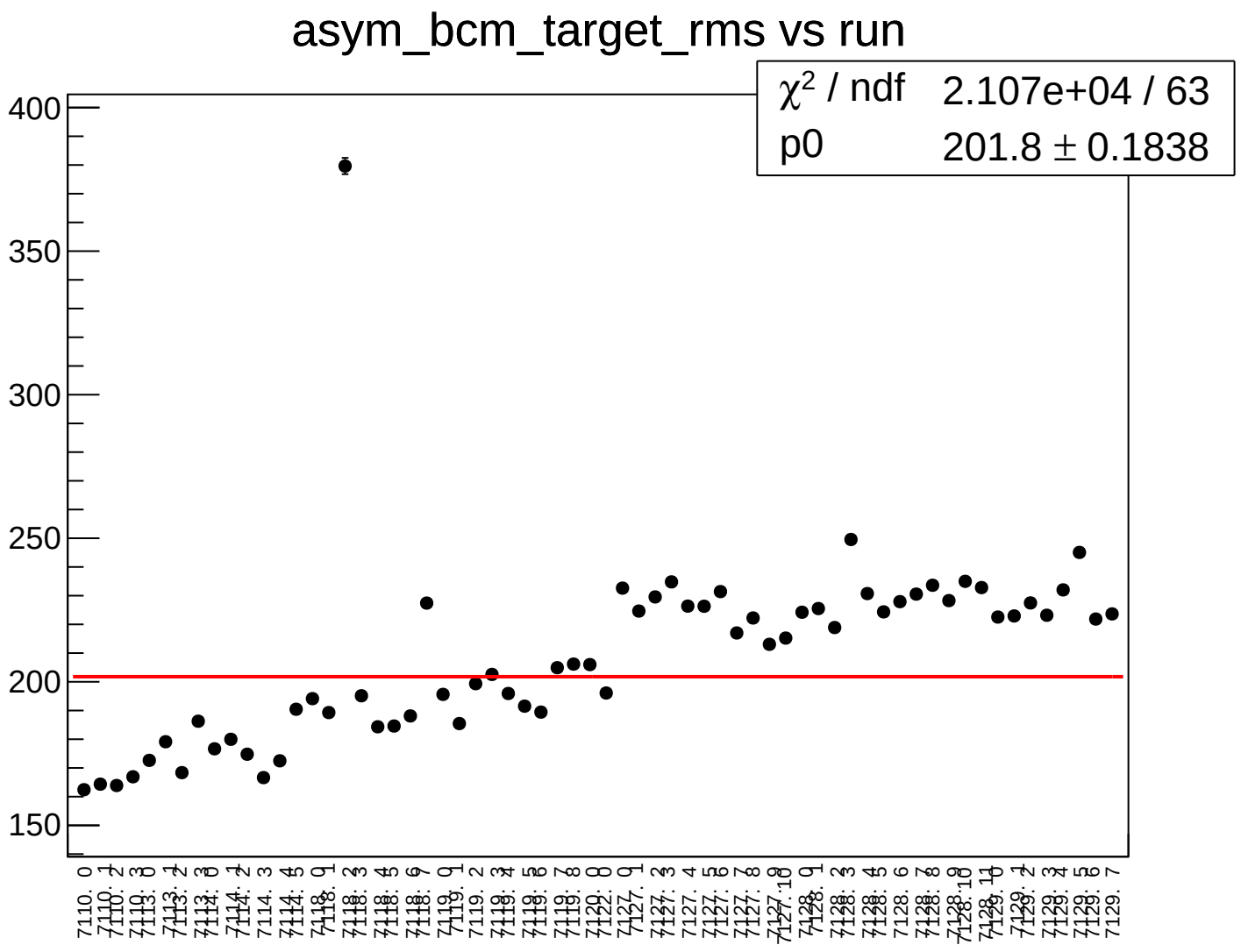

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 6.861e+05 / 63
p0 1.842e+05 ± 0.2986
184.5
184
183.5
183
182.5
182
pull
Entries 64
Mean −95.85
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250
−300

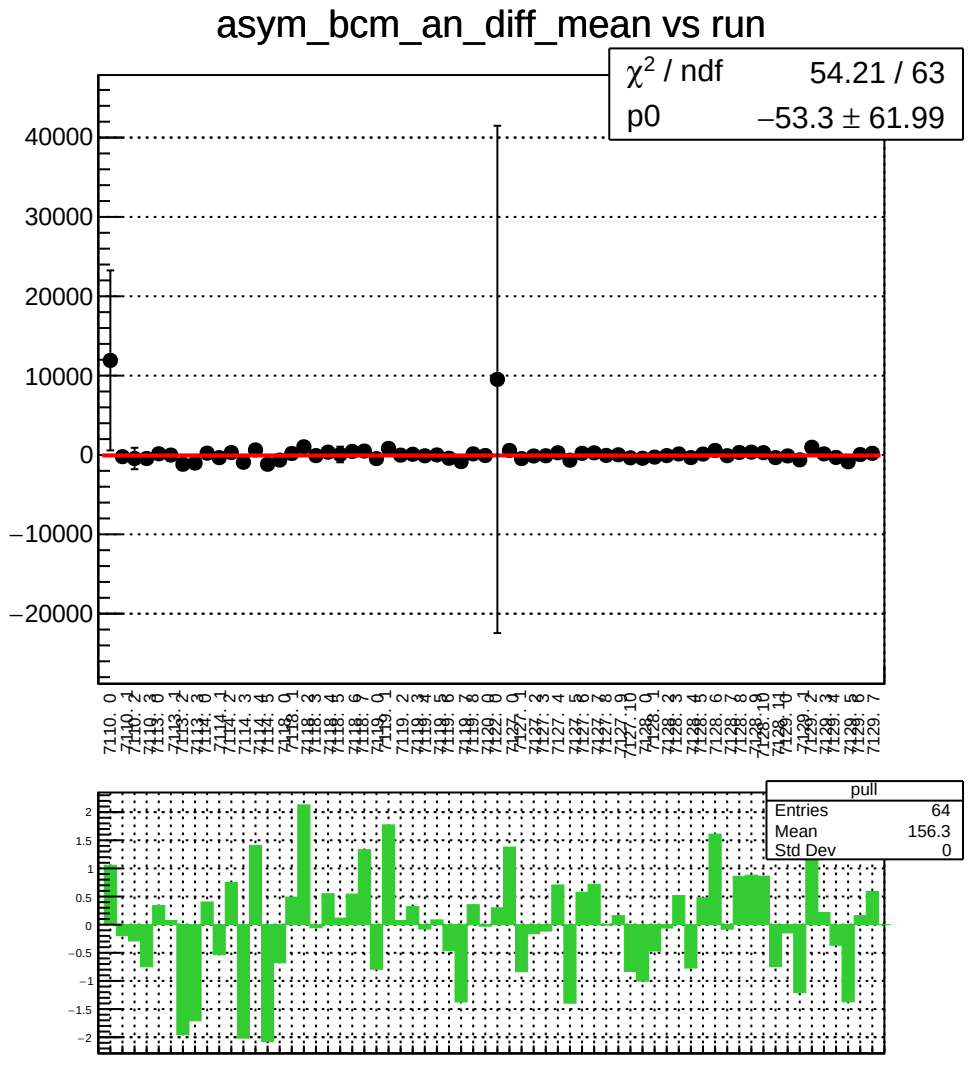

pull1D
Entries 64
Mean 2.073
Std Dev 3.864
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

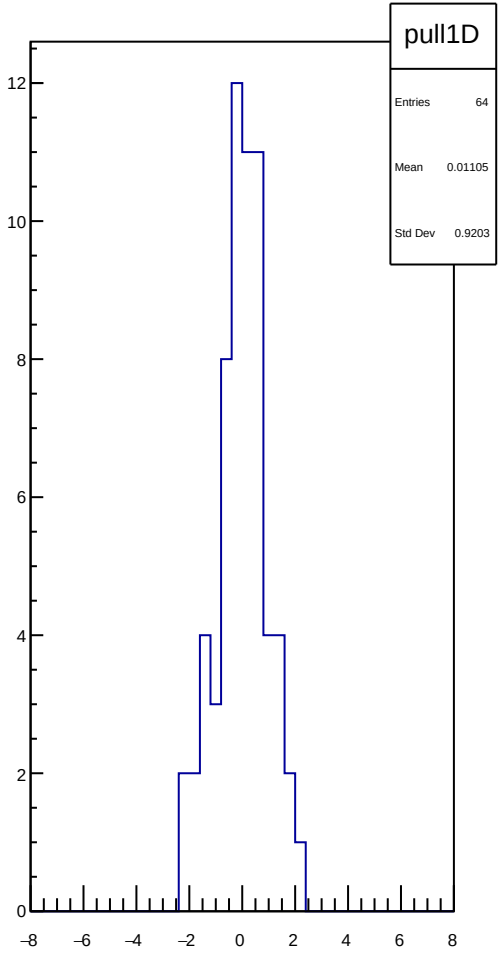

yield_bpm2i02WS_rms vs run
χ² / ndf 2.482e+04 / 63
p0 231.4 ± 0.2111
1800
1600
1400
1200
1000
800
600
400
200

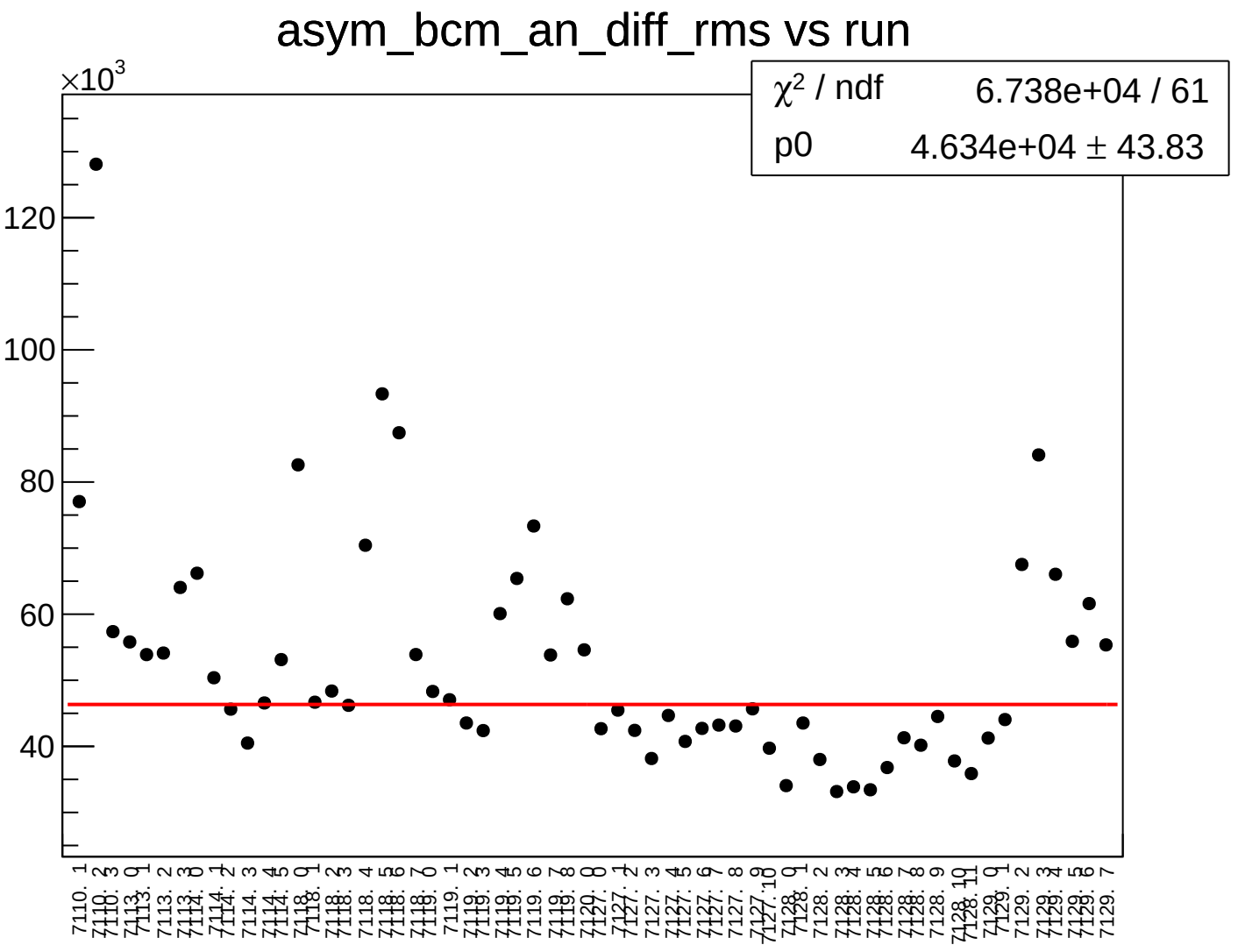

asym_bcm_target_mean vs run
χ² / ndf 9.029 / 63
p0 −137.4 ± 259.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean 57.29
Std Dev 91.8
1
0.5
0
−0.5
−1

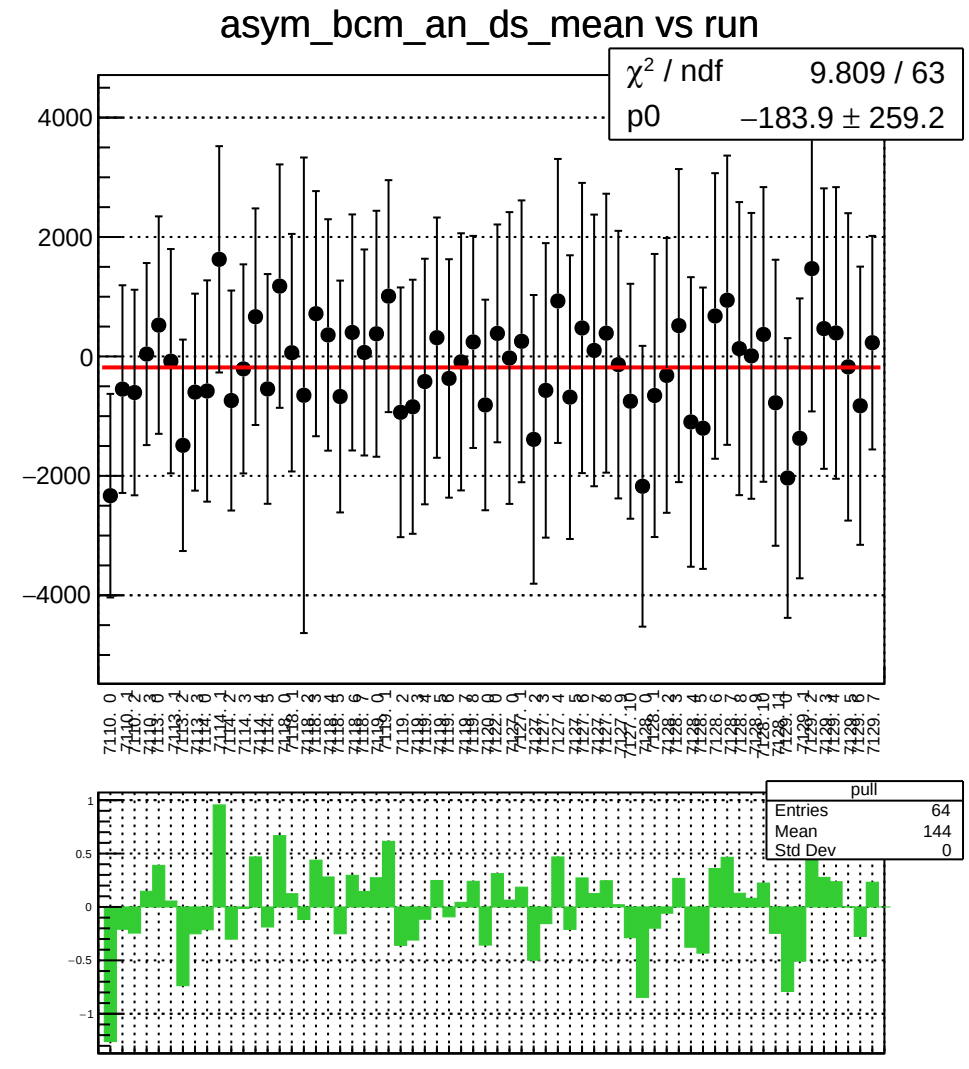

pull1D
Entries 64
Mean −0.0016
Std Dev 0.3756
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

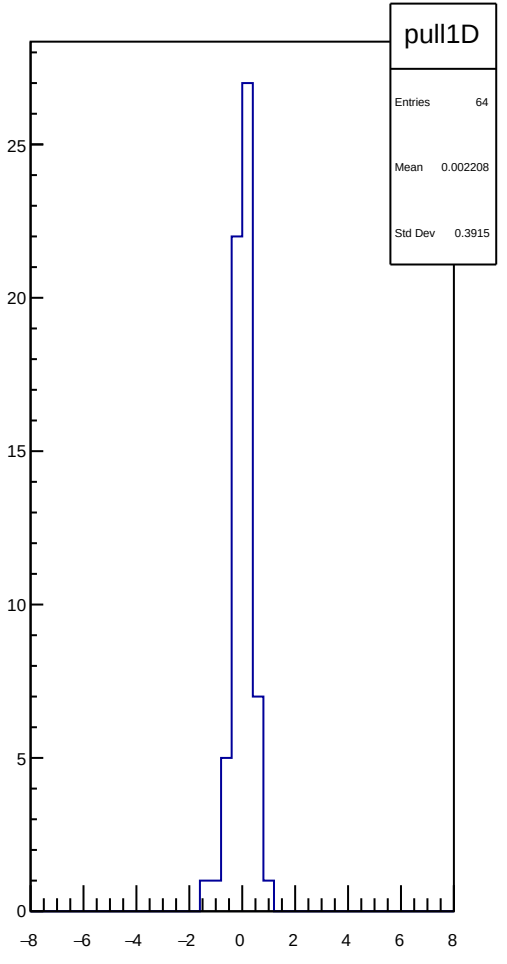

asym_bcm_target_rms vs run
χ² / ndf 2.107e+04 / 63
p0 201.8 ± 0.1838
400
350
300
250
200
150

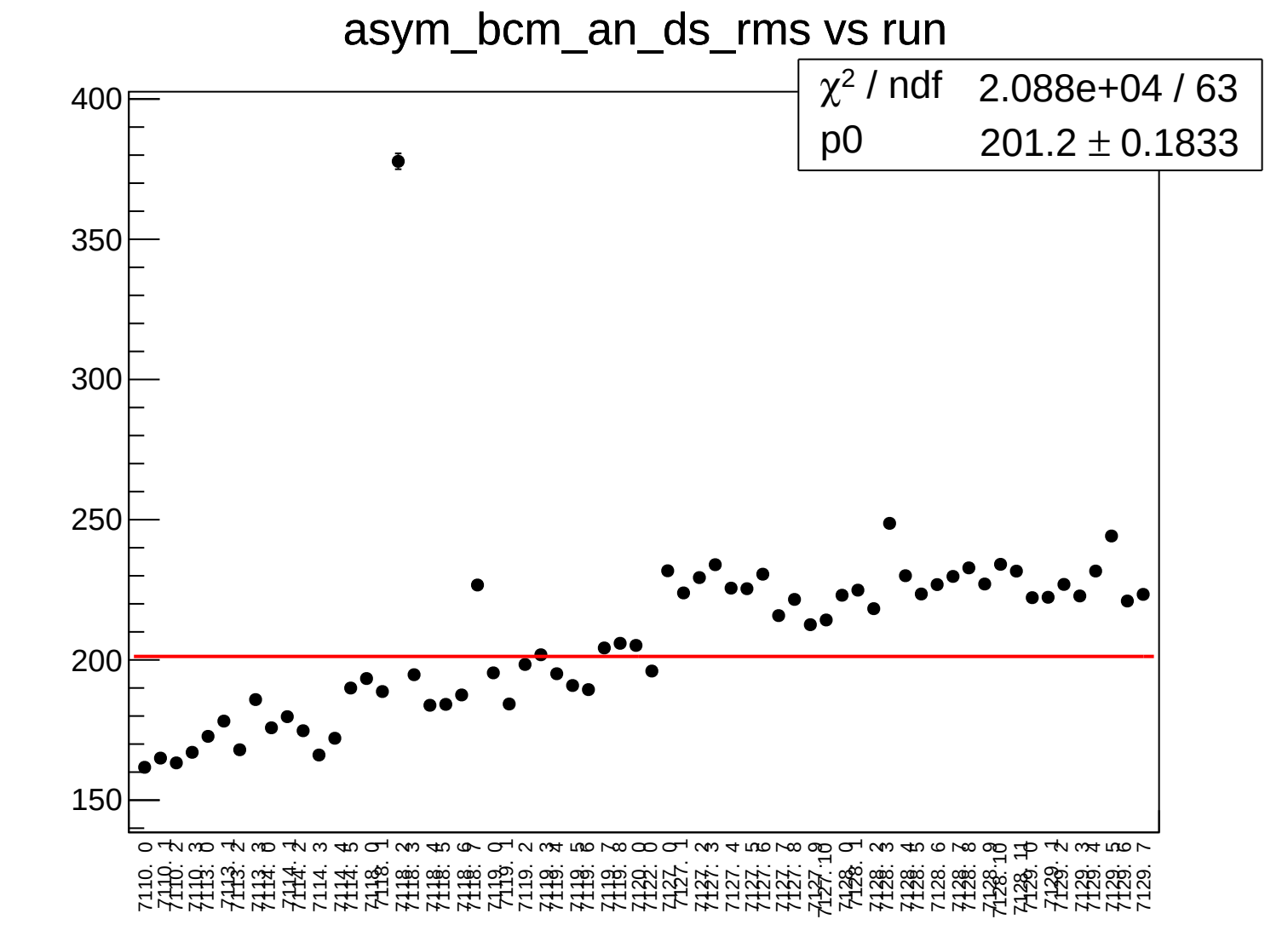

asym_bcm_an_diff_mean vs run
χ² / ndf 54.21 / 63
p0 −53.3 ± 61.99
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 156.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

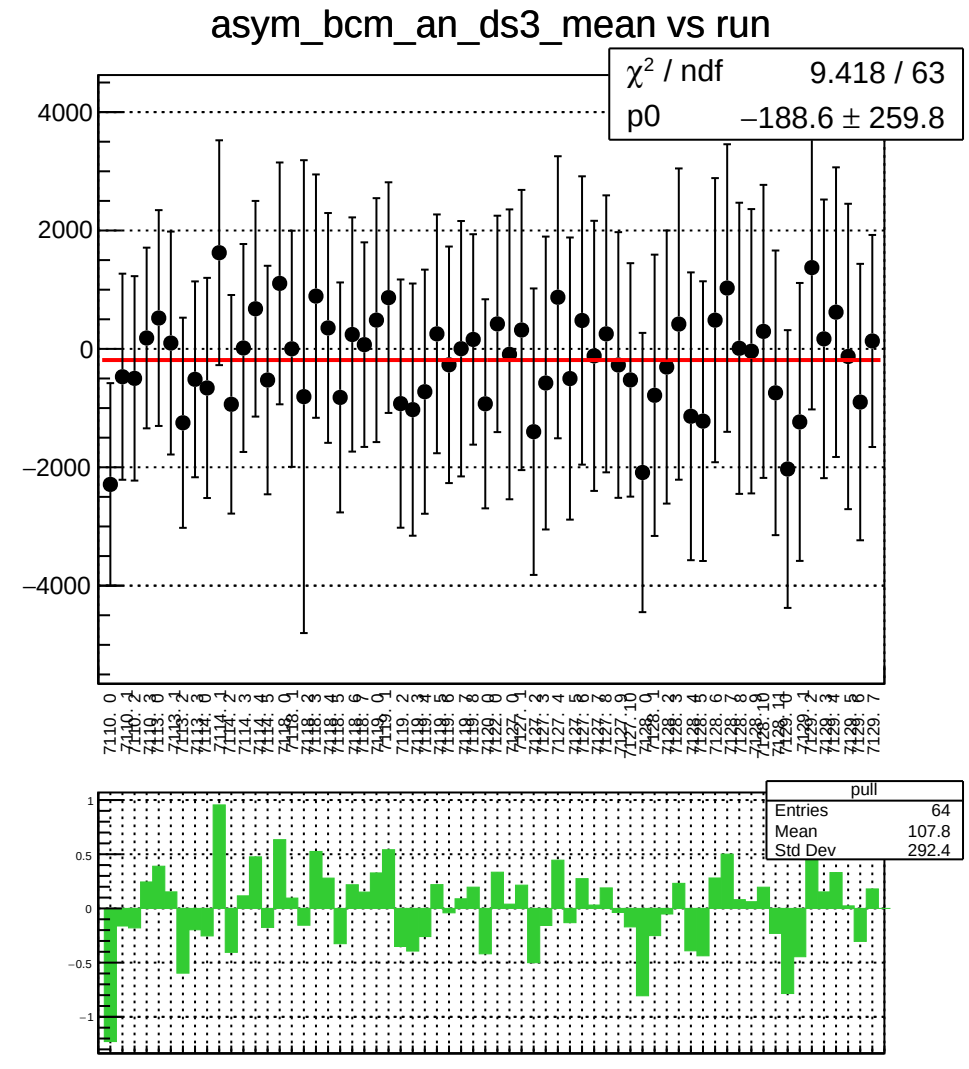

pull1D
Entries 64
Mean 0.01105
Std Dev 0.9203
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

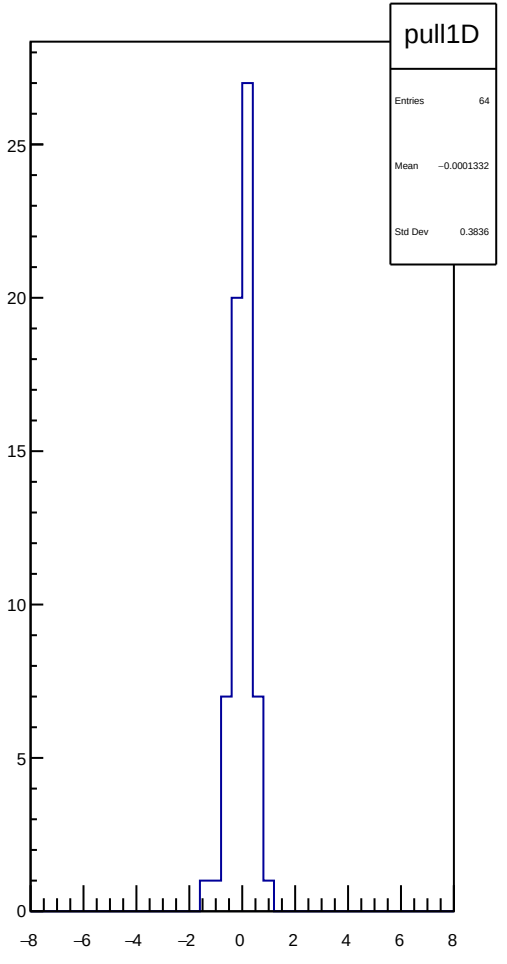

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 6.738e+04 / 61
p0 4.634e+04 ± 43.83
120
100
80
60
40

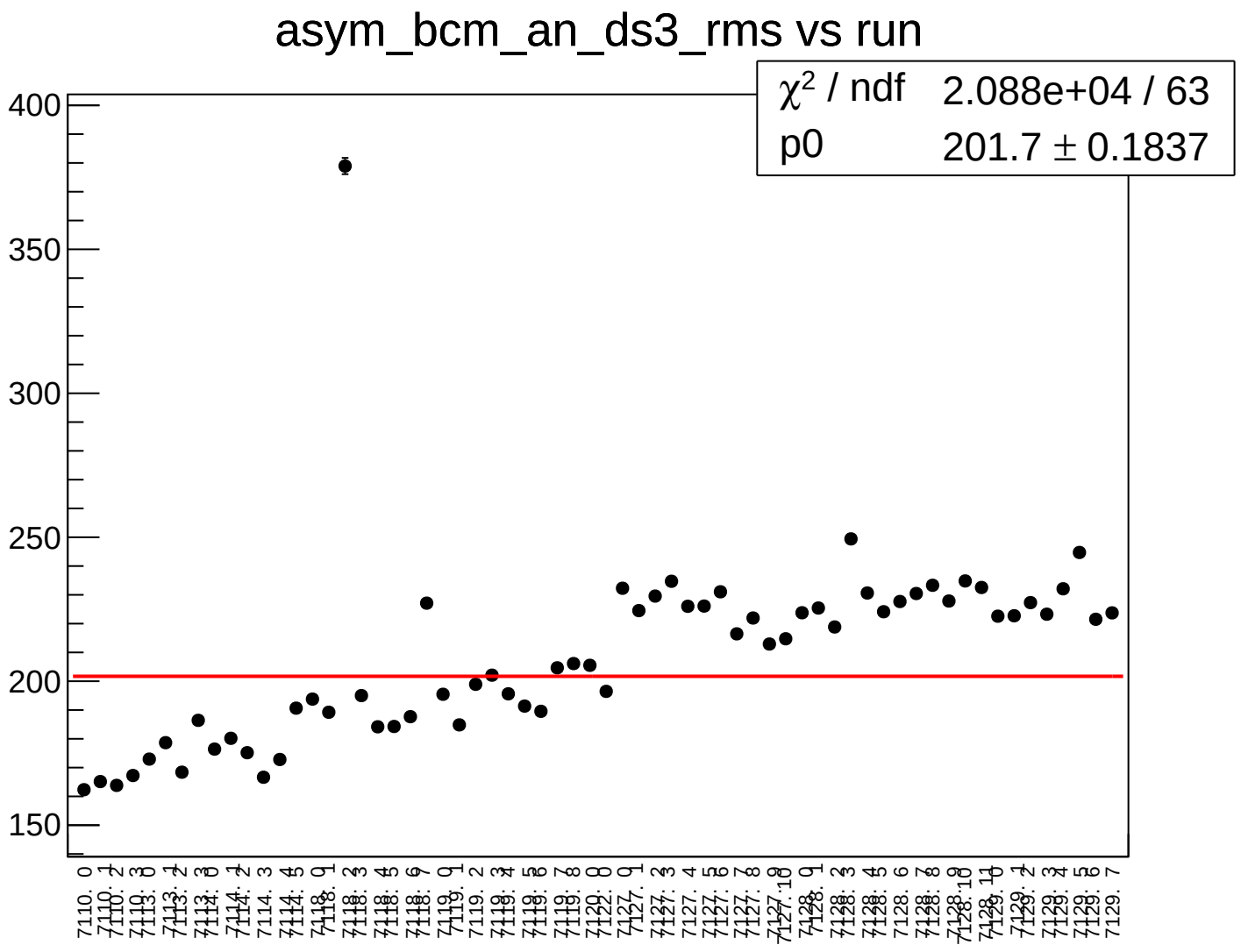

asym_bcm_an_ds_mean vs run
χ² / ndf 9.809 / 63
p0 −183.9 ± 259.2
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 144
Std Dev 0
1
0.5
0
−0.5
−1

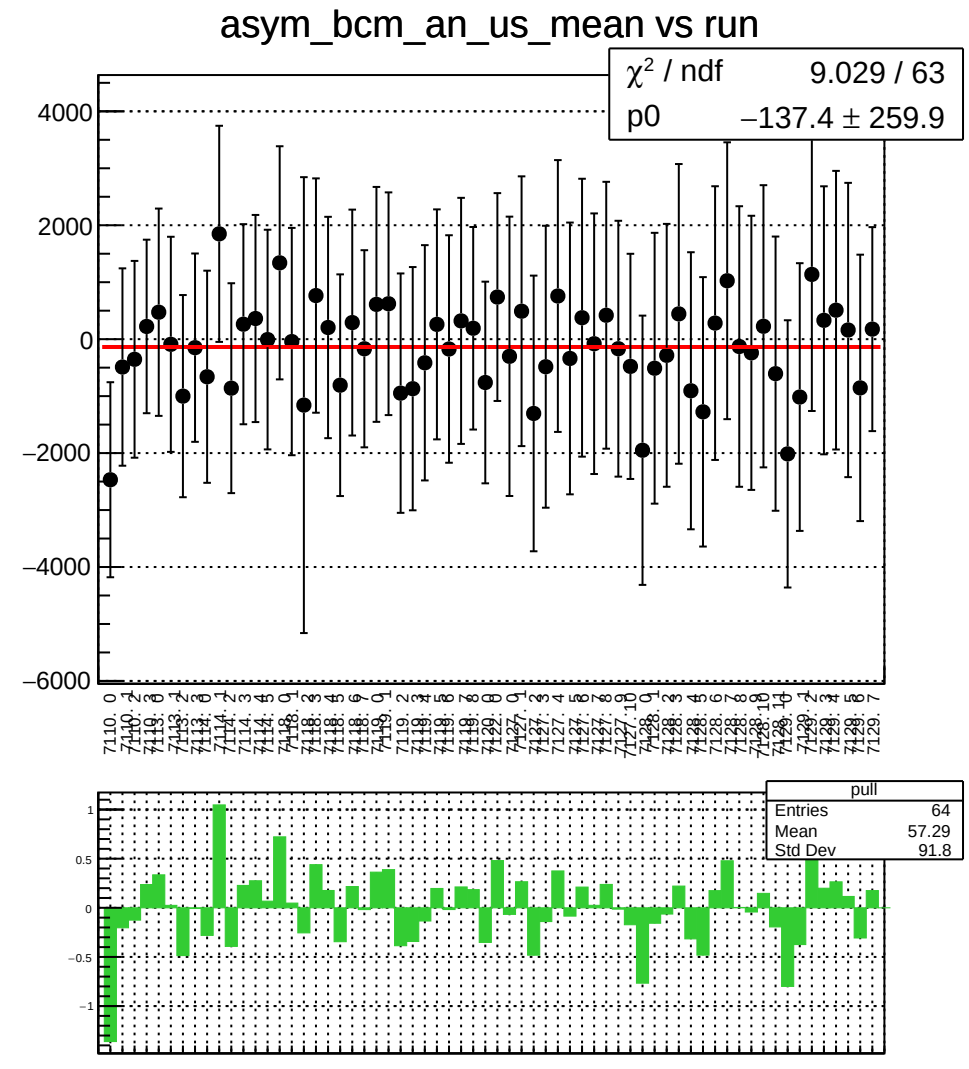

pull1D
Entries 64
Mean 0.002208
Std Dev 0.3915
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

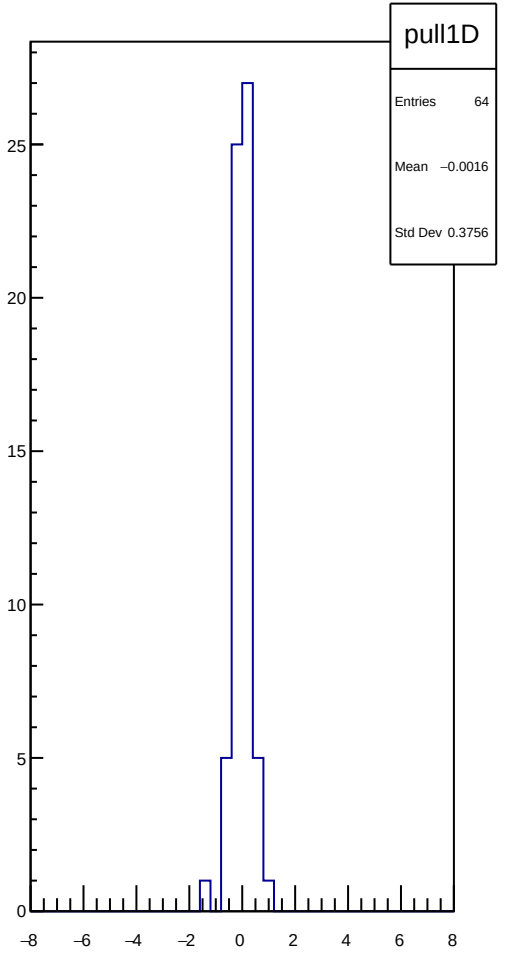

asym_bcm_an_ds_rms vs run
χ² / ndf 2.088e+04 / 63
p0 201.2 ± 0.1833
400
350
300
250
200
150

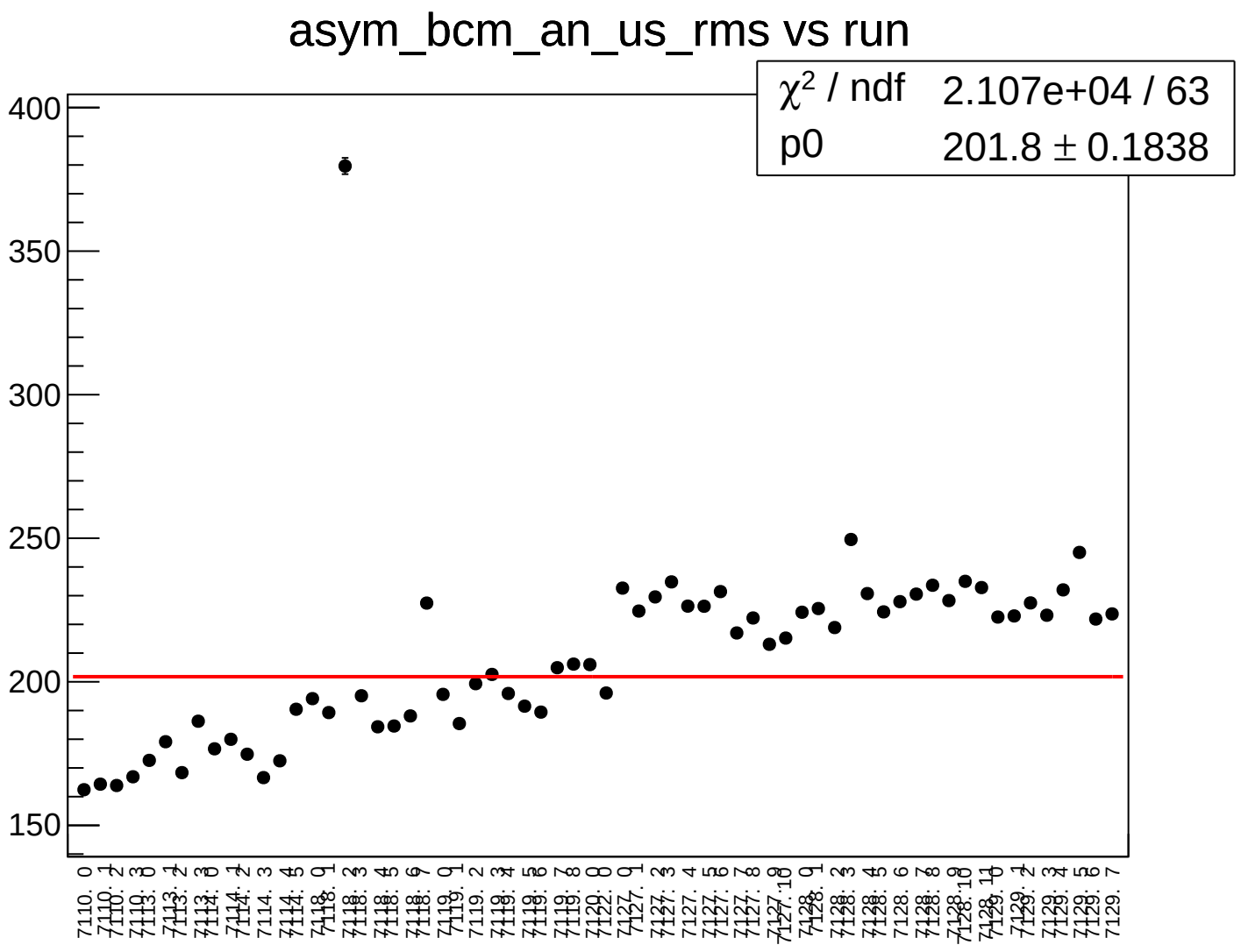

asym_bcm_an_ds3_mean vs run
χ² / ndf 9.418 / 63
p0 −188.6 ± 259.8
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 107.8
Std Dev 292.4
1
0.5
0
−0.5
−1

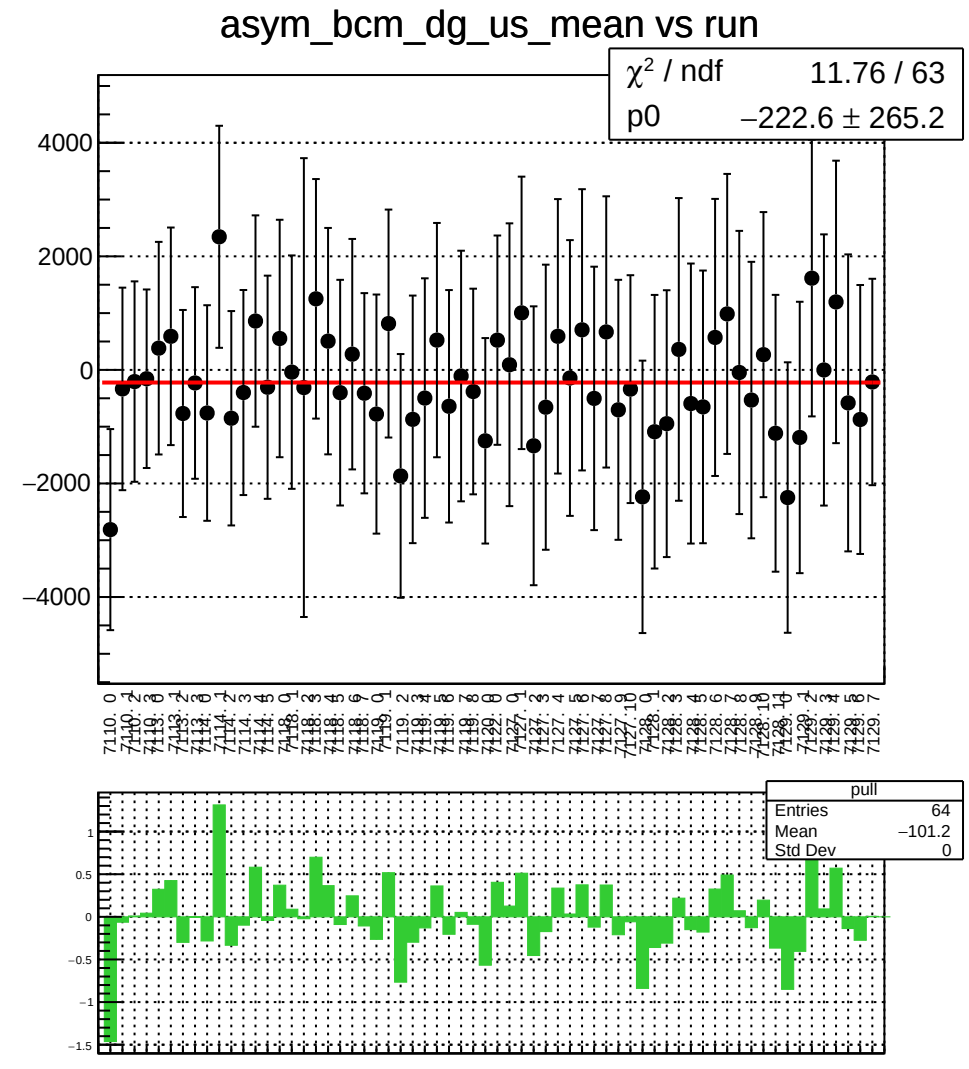

pull1D
Entries 64
Mean −0.0001332
Std Dev 0.3836
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

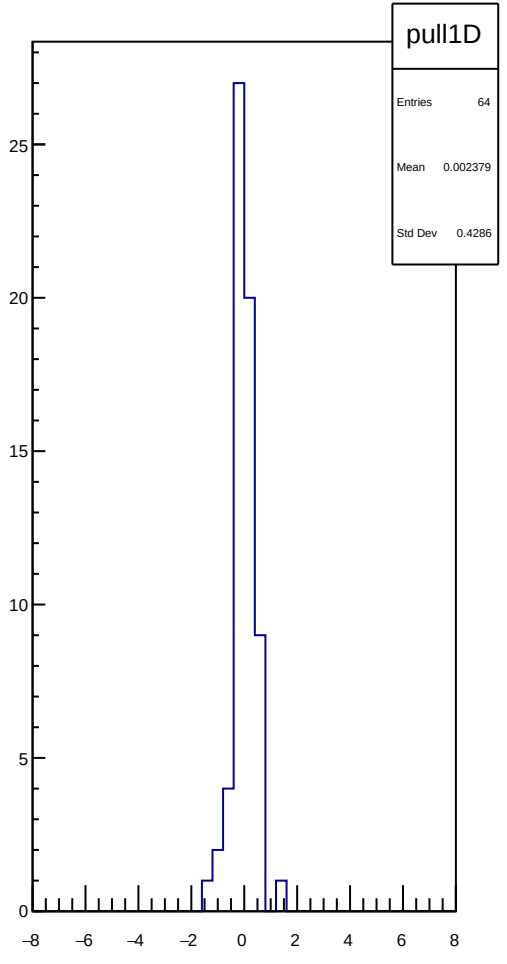

asym_bcm_an_ds3_rms vs run
χ² / ndf 2.088e+04 / 63
p0 201.7 ± 0.1837
400
350
300
250
200
150

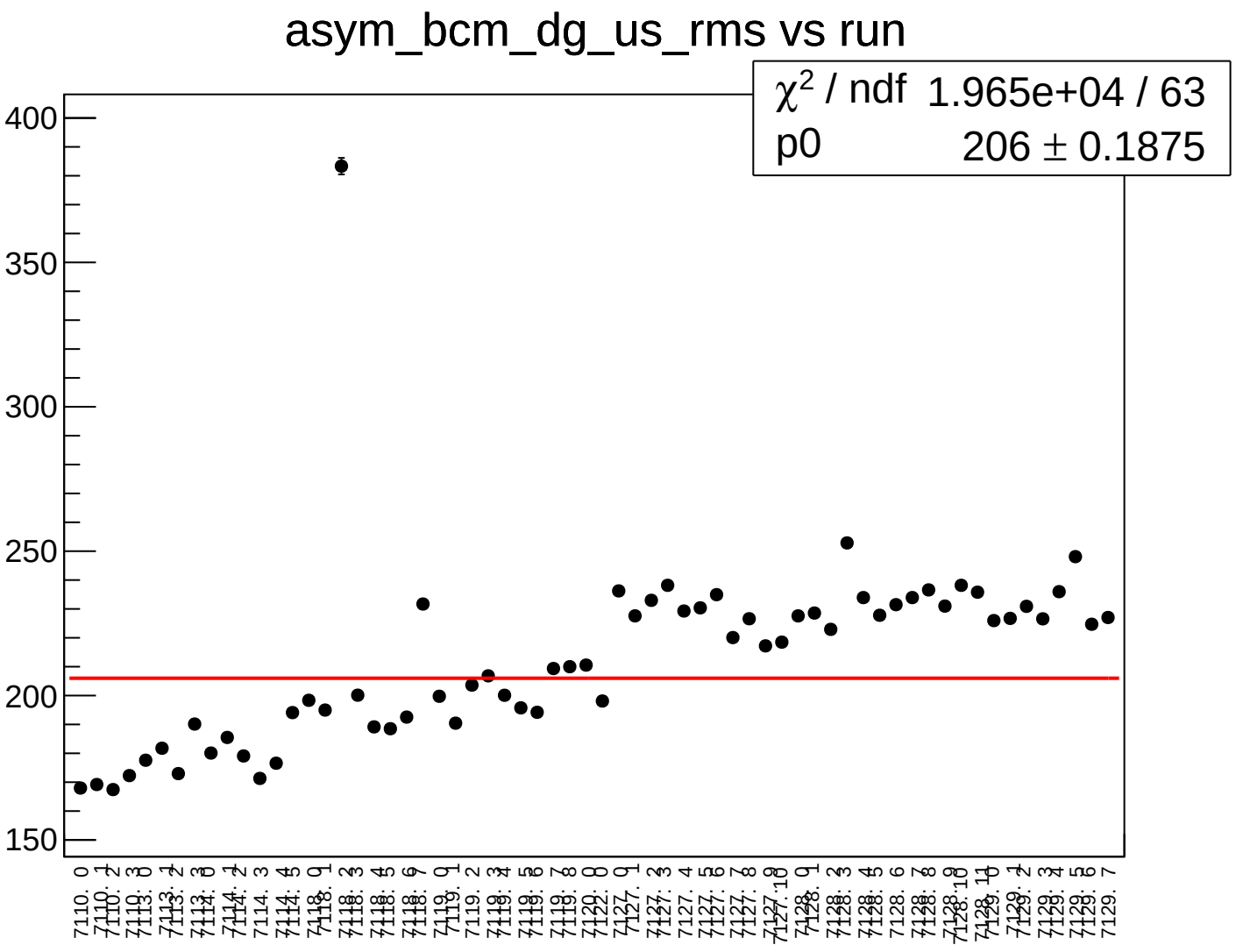

asym_bcm_an_us_mean vs run
χ² / ndf 9.029 / 63
p0 −137.4 ± 259.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean 57.29
Std Dev 91.8
1
0.5
0
−0.5
−1

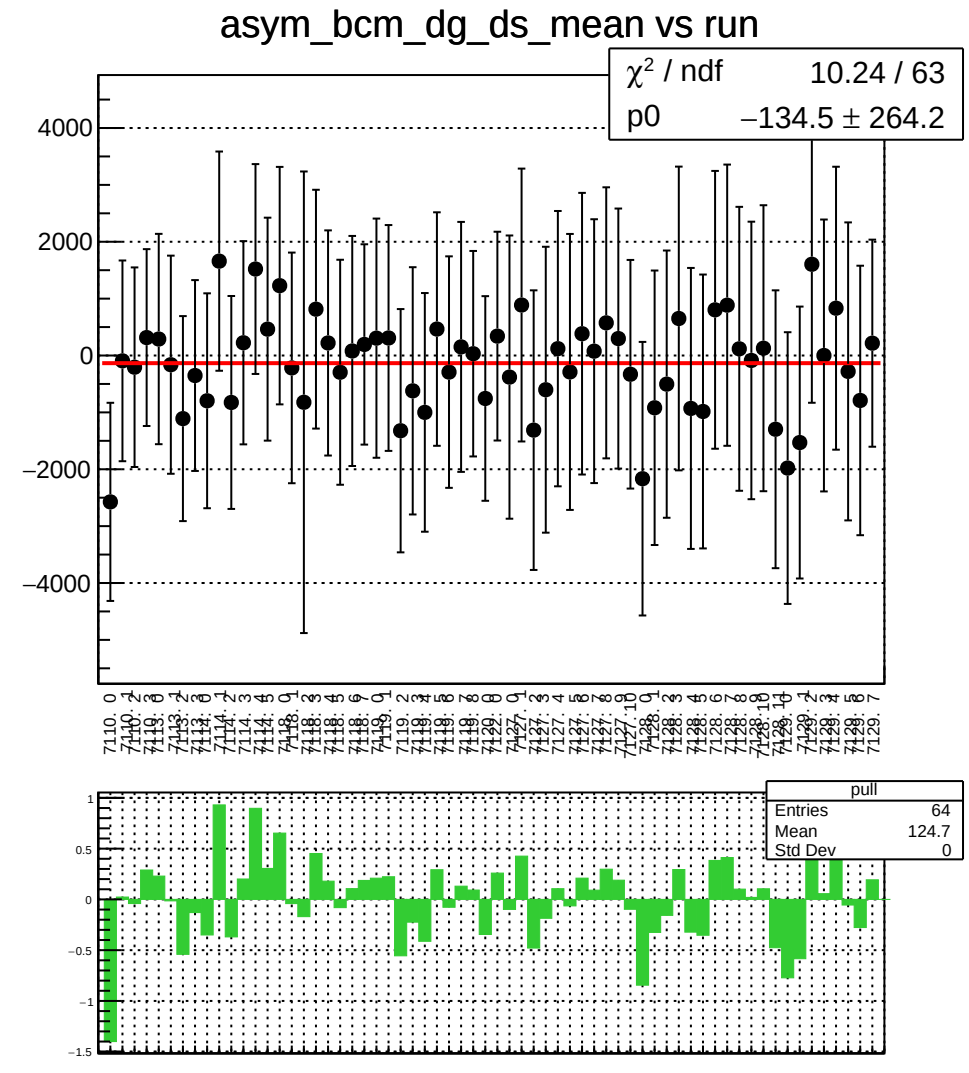

pull1D
Entries 64
Mean −0.0016
Std Dev 0.3756
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

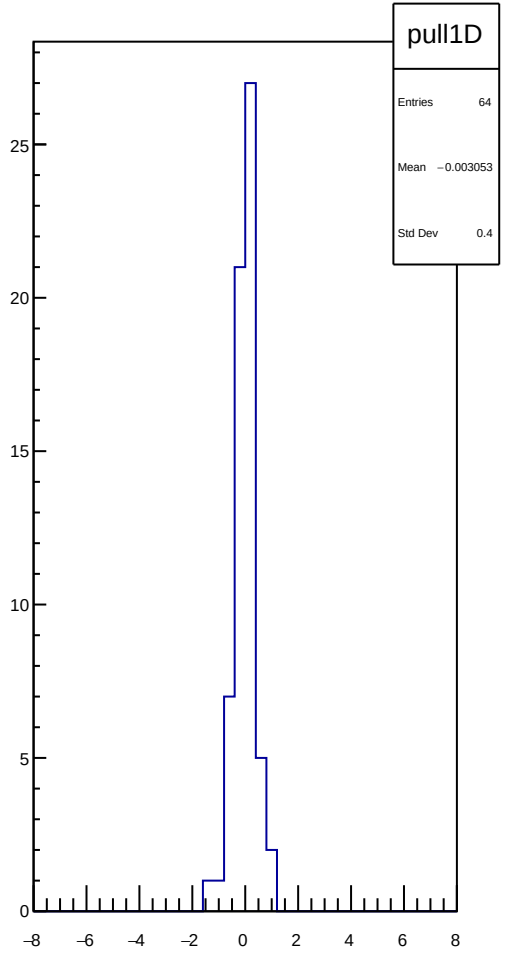

asym_bcm_an_us_rms vs run
χ² / ndf 2.107e+04 / 63
p0 201.8 ± 0.1838
400
350
300
250
200
150

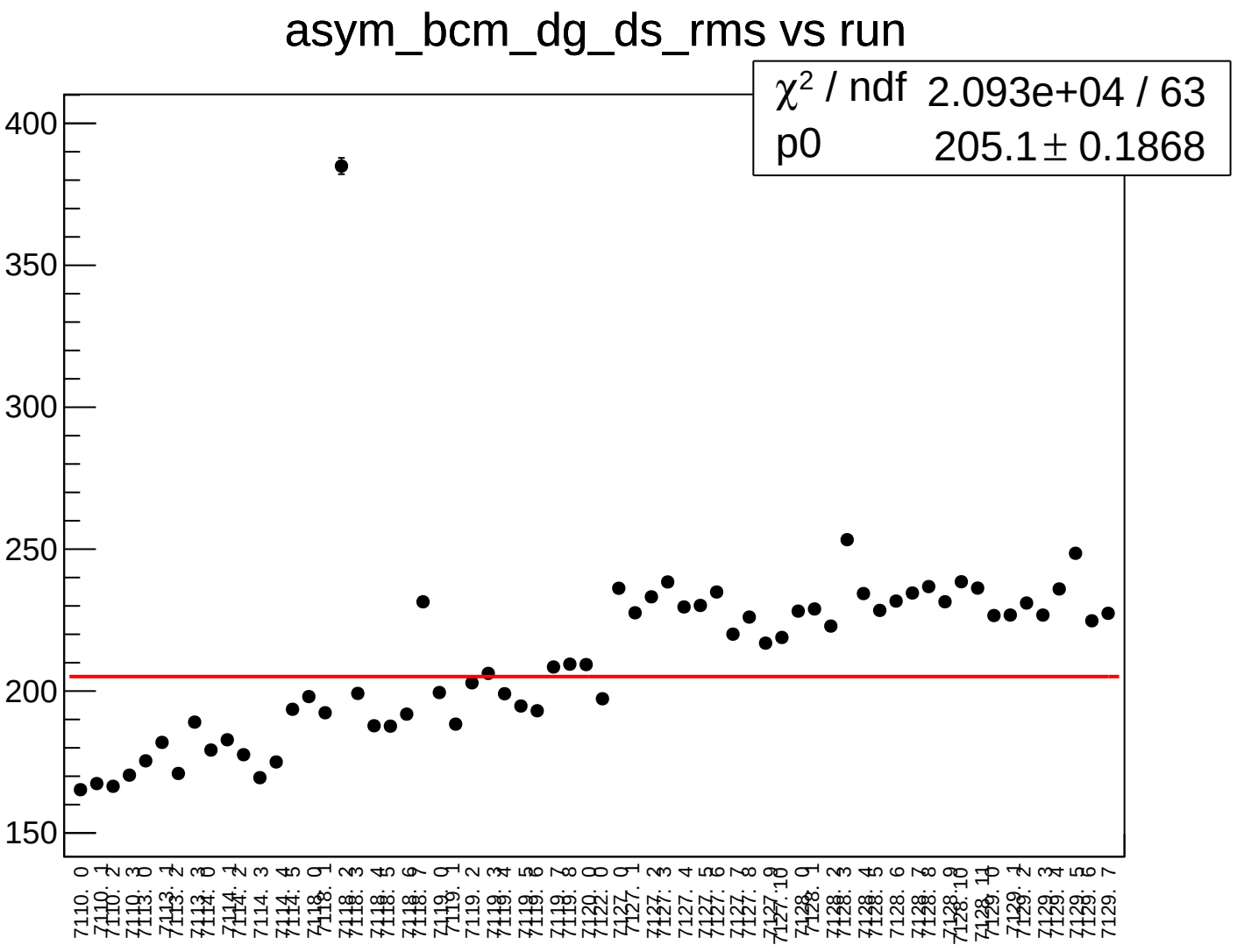

asym_bcm_dg_us_mean vs run
χ² / ndf 11.76 / 63
p0 −222.6 ± 265.2
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −101.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

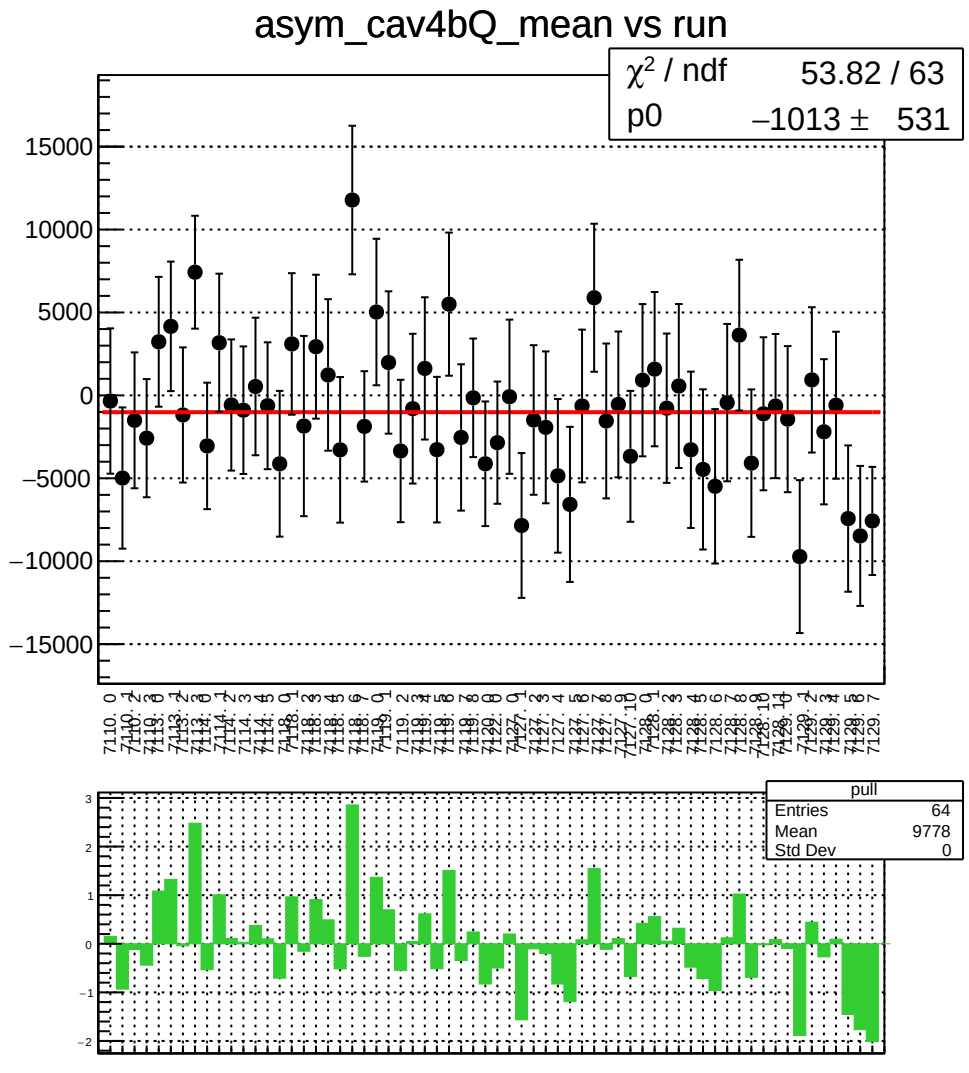

pull1D
Entries 64
Mean 0.002379
Std Dev 0.4286
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

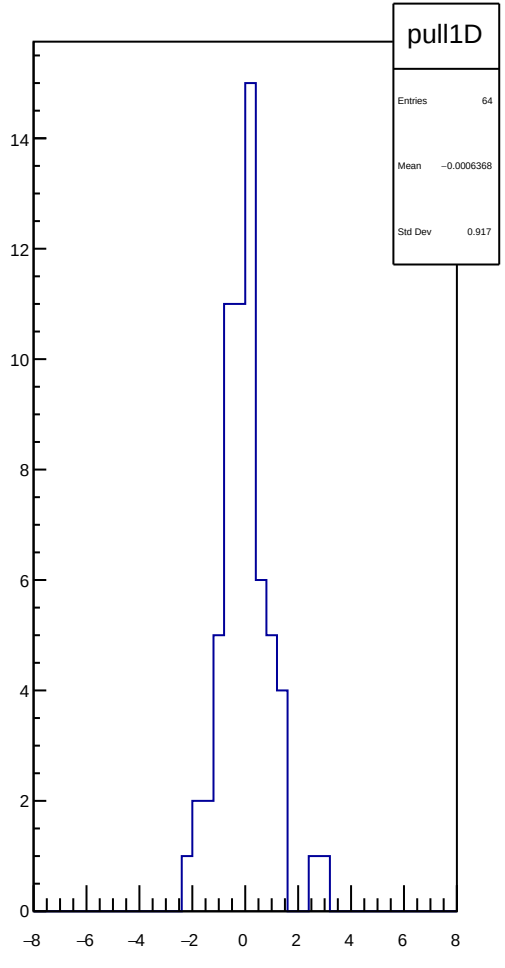

asym_bcm_dg_us_rms vs run
χ² / ndf 1.965e+04 / 63
p0 206 ± 0.1875
400
350
300
250
200
150

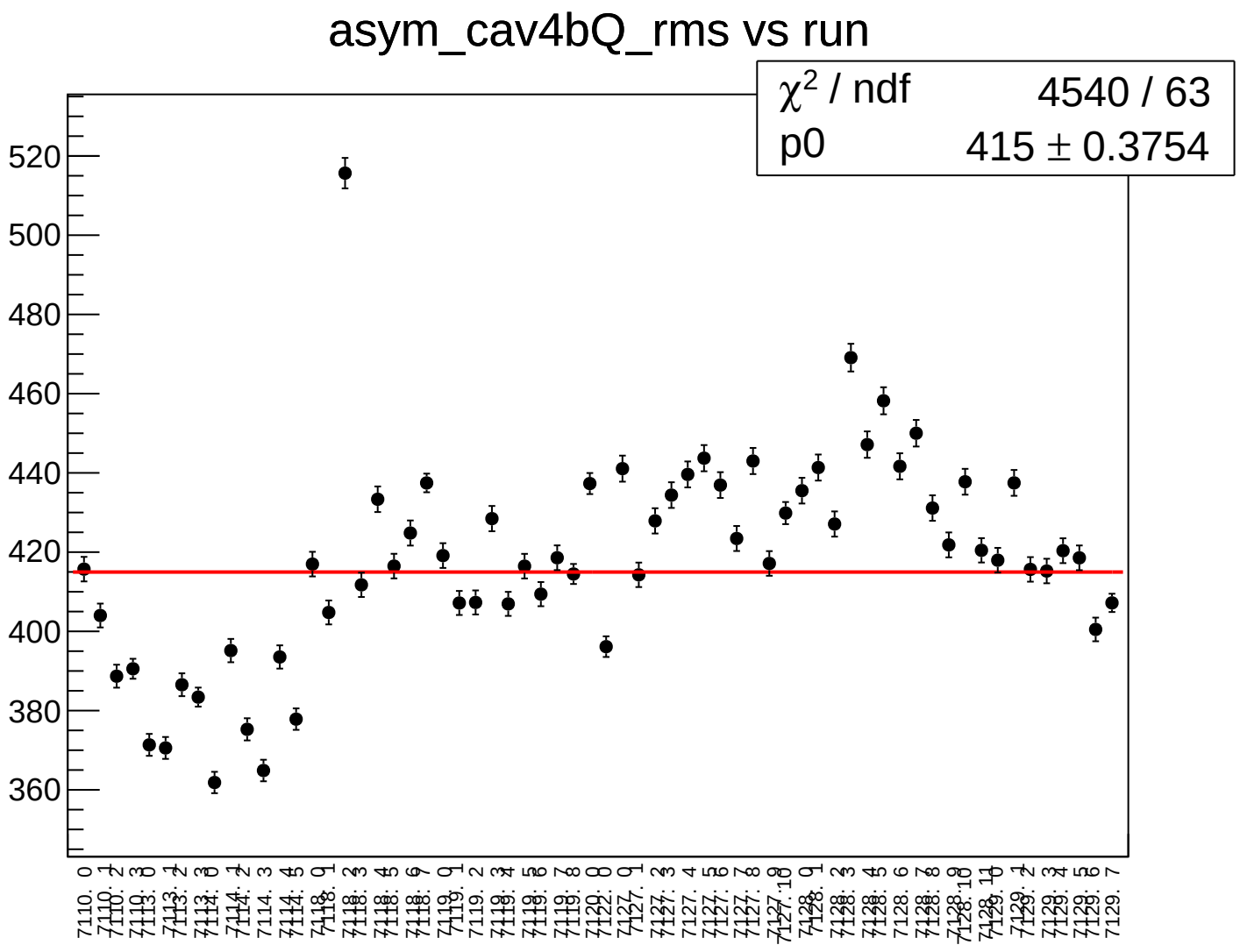

asym_bcm_dg_ds_mean vs run
χ² / ndf 10.24 / 63
p0 −134.5 ± 264.2
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 124.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

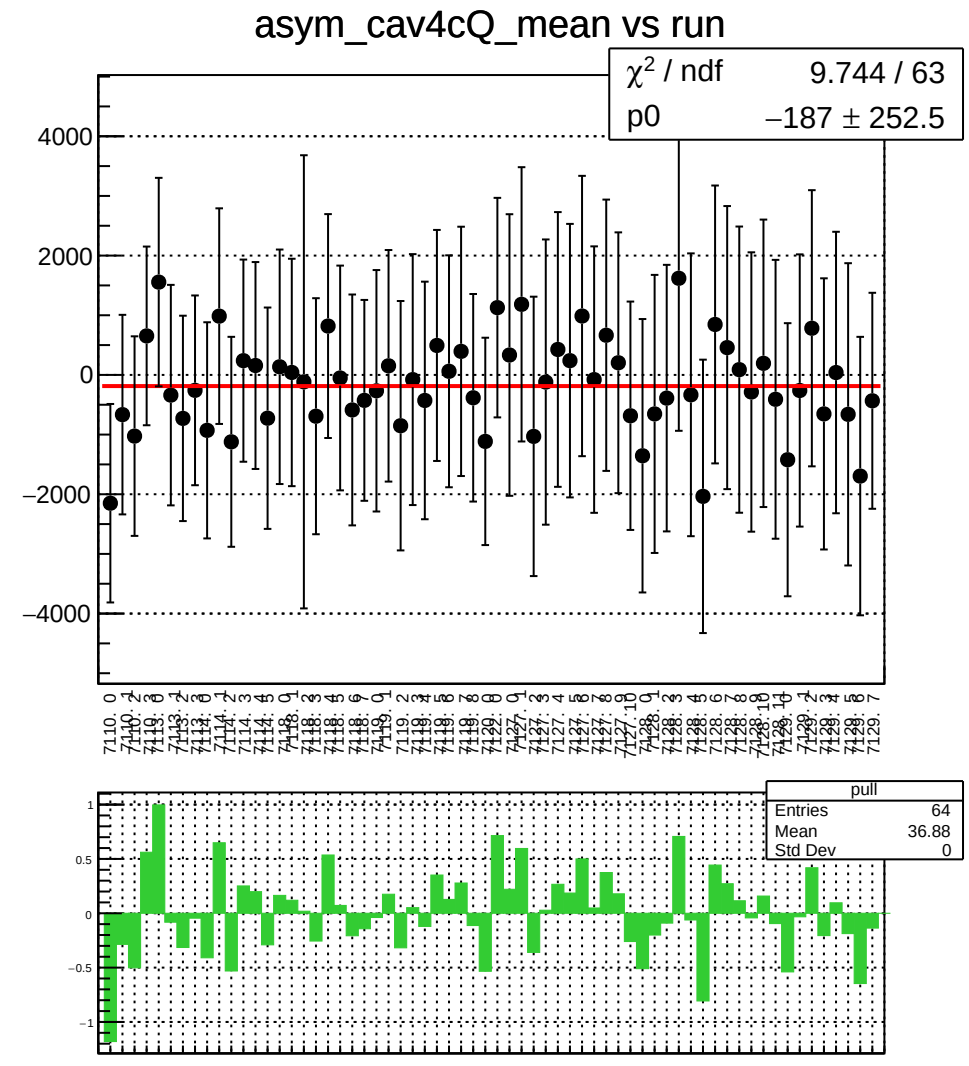

pull1D
Entries 64
Mean −0.003053
Std Dev 0.4
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

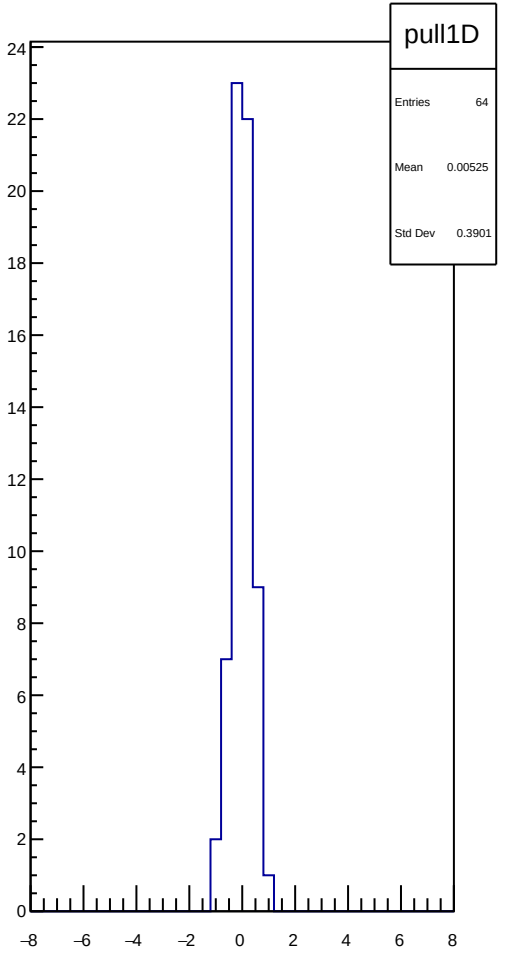

asym_bcm_dg_ds_rms vs run
χ² / ndf 2.093e+04 / 63
p0 205.1 ± 0.1868
400
350
300
250
200
150

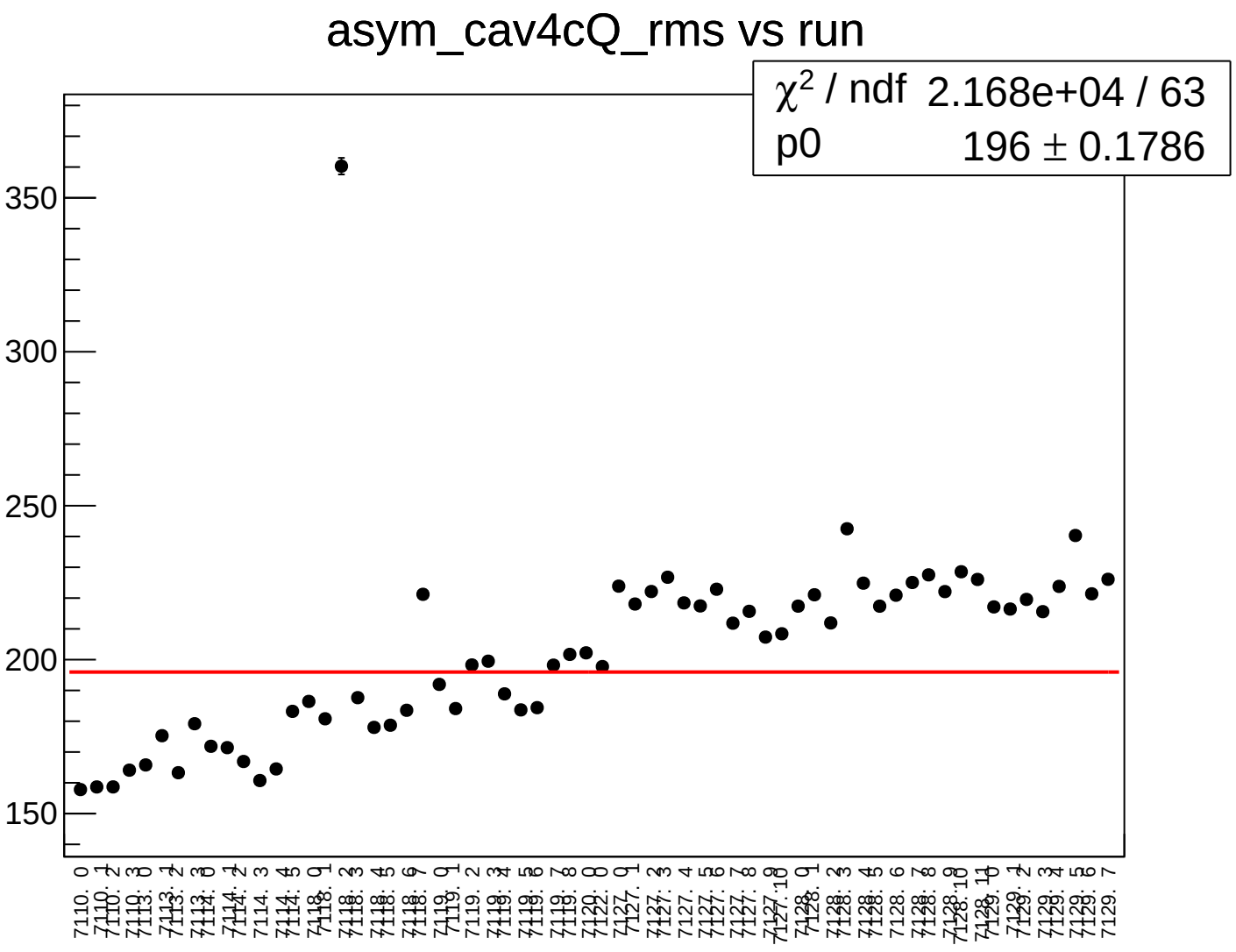

asym_cav4bQ_mean vs run
χ² / ndf 53.82 / 63
p0 −1013 ± 531
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 9778
Std Dev 0
3
2
1
0
−1
−2

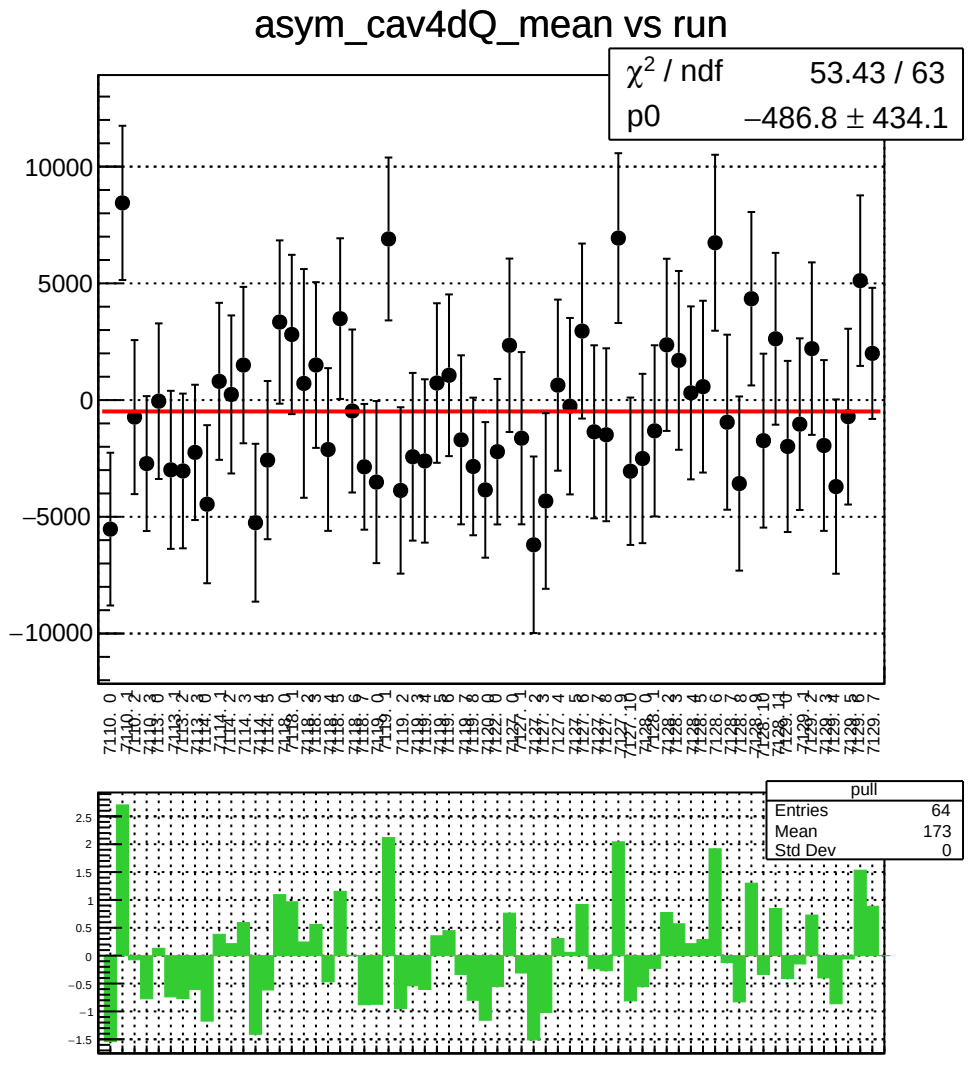

pull1D
Entries 64
Mean −0.0006368
Std Dev 0.917
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

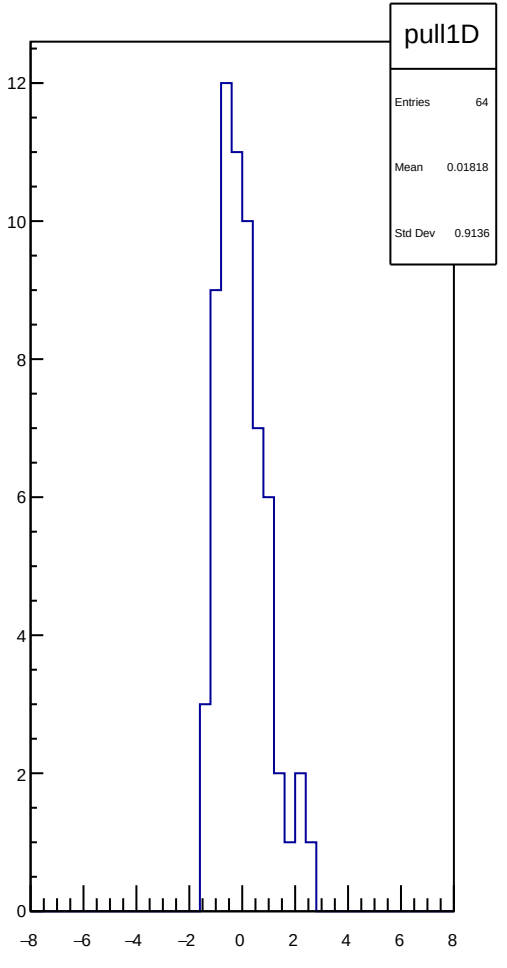

asym_cav4bQ_rms vs run
χ^2 / ndf 4540 / 63
p0 415 ± 0.3754
520
500
480
460
440
420
400
380
360

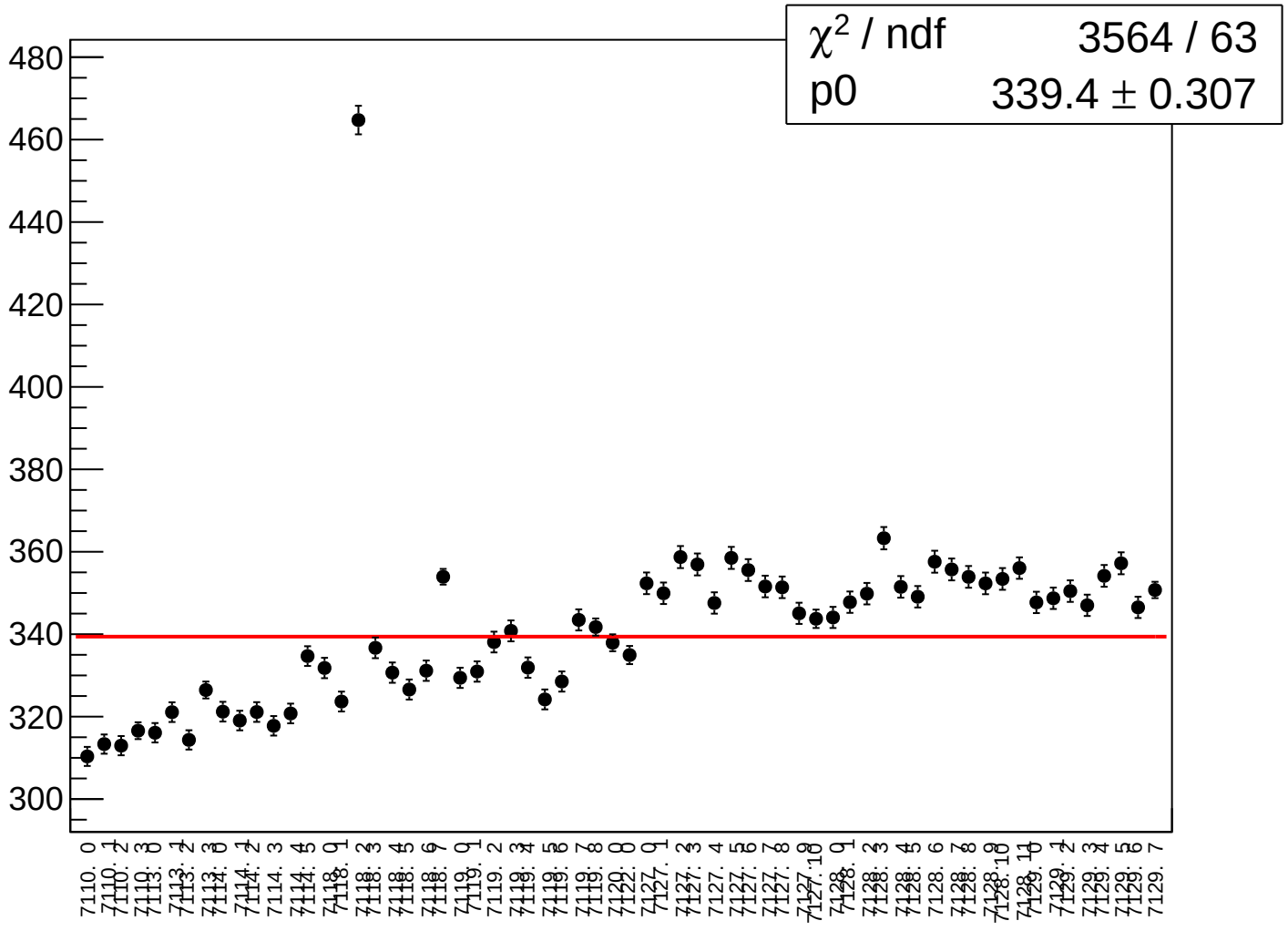

asym_cav4cQ_mean vs run
χ² / ndf 9.744 / 63
p0 −187 ± 252.5
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 36.88
Std Dev 0
1
0.5
0
−0.5
−1

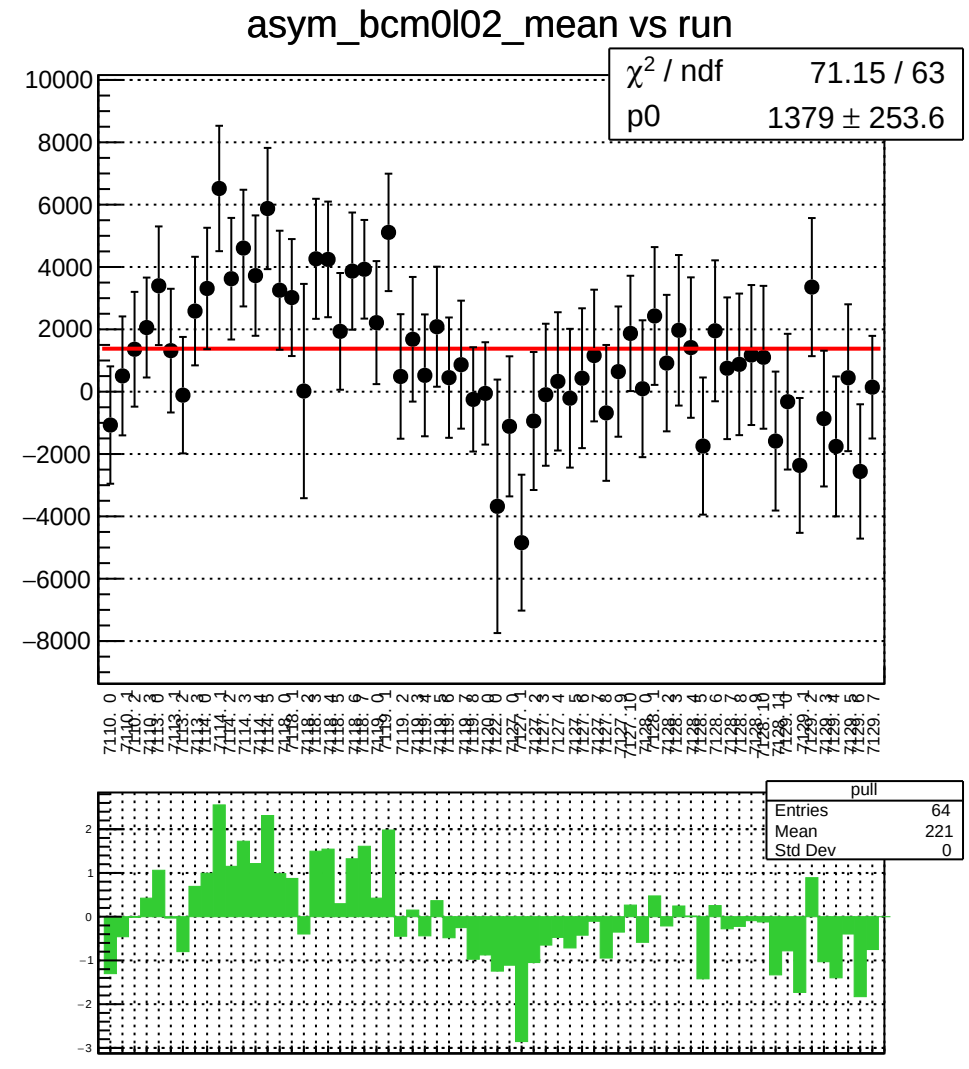

pull1D
Entries 64
Mean 0.00525
Std Dev 0.3901
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

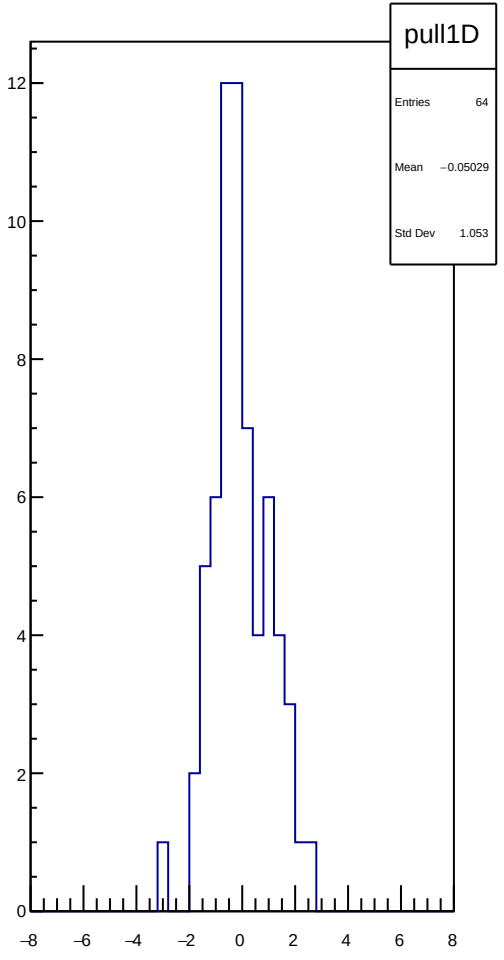

asym_cav4cQ_rms vs run
χ² / ndf 2.168e+04 / 63
p0 196 ± 0.1786
350
300
250
200
150

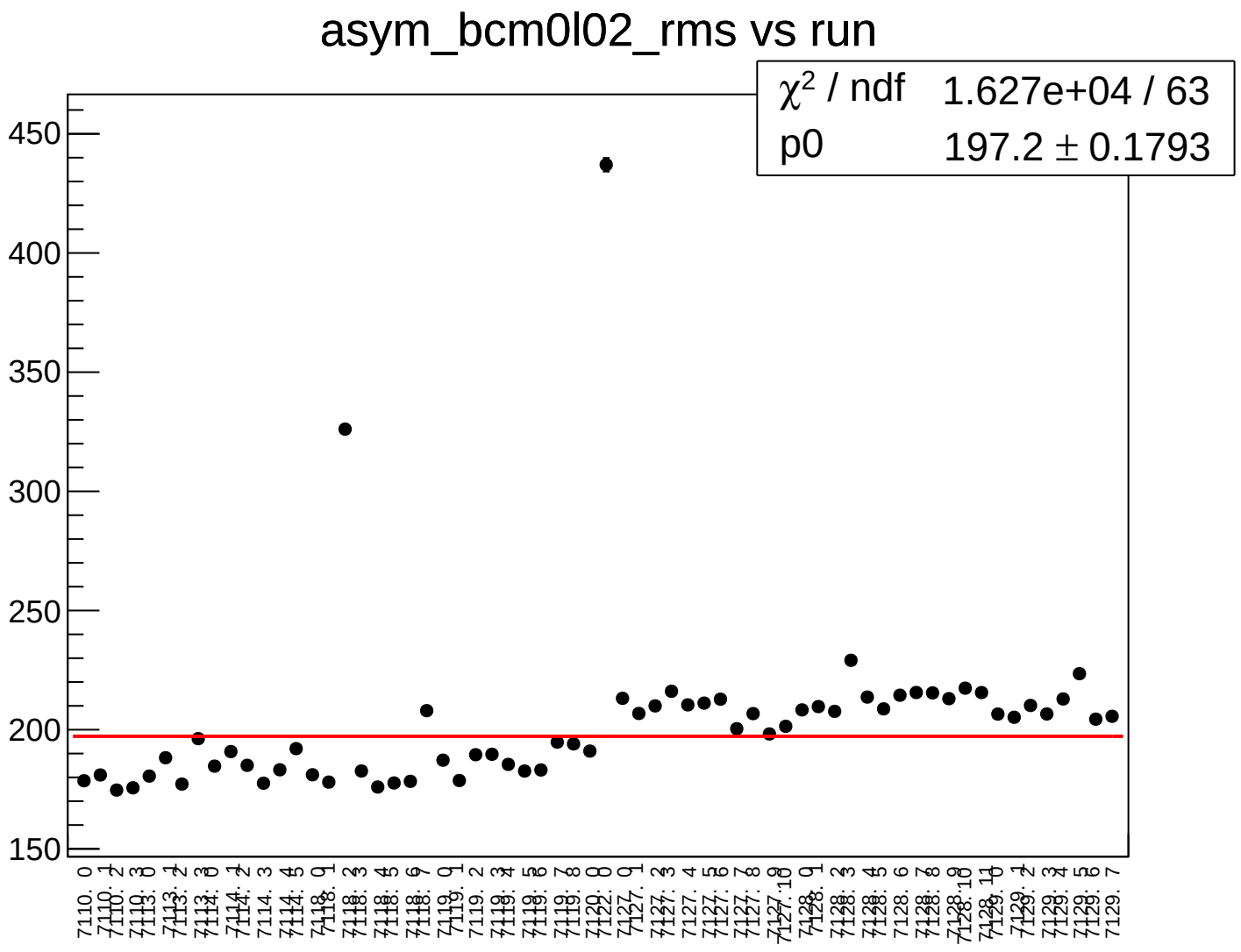

asym_cav4dQ_mean vs run
χ² / ndf 53.43 / 63
p0 −486.8 ± 434.1
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 173
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

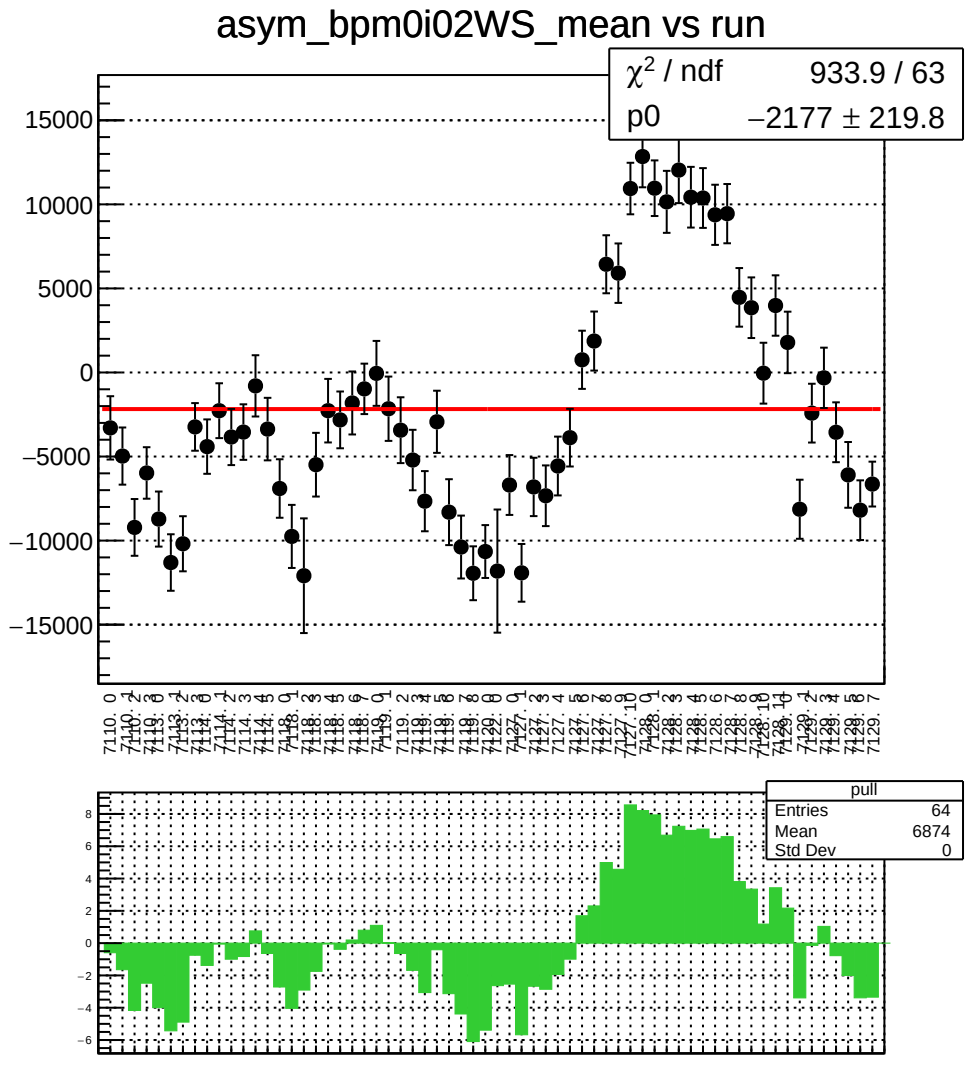

pull1D
Entries 64
Mean 0.01818
Std Dev 0.9136
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

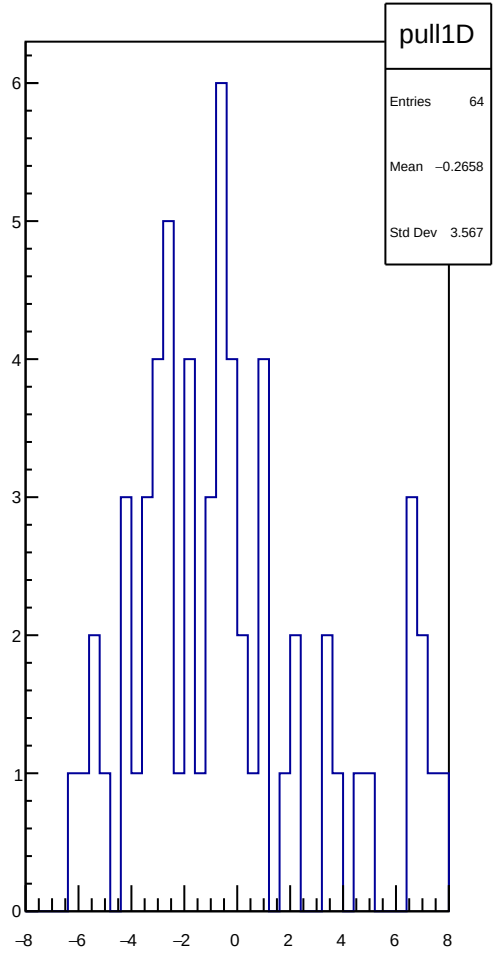

asym_cav4dQ_rms vs run
χ² / ndf 3564 / 63
p0 339.4 ± 0.307
480
460
440
420
400
380
360
340
320
300

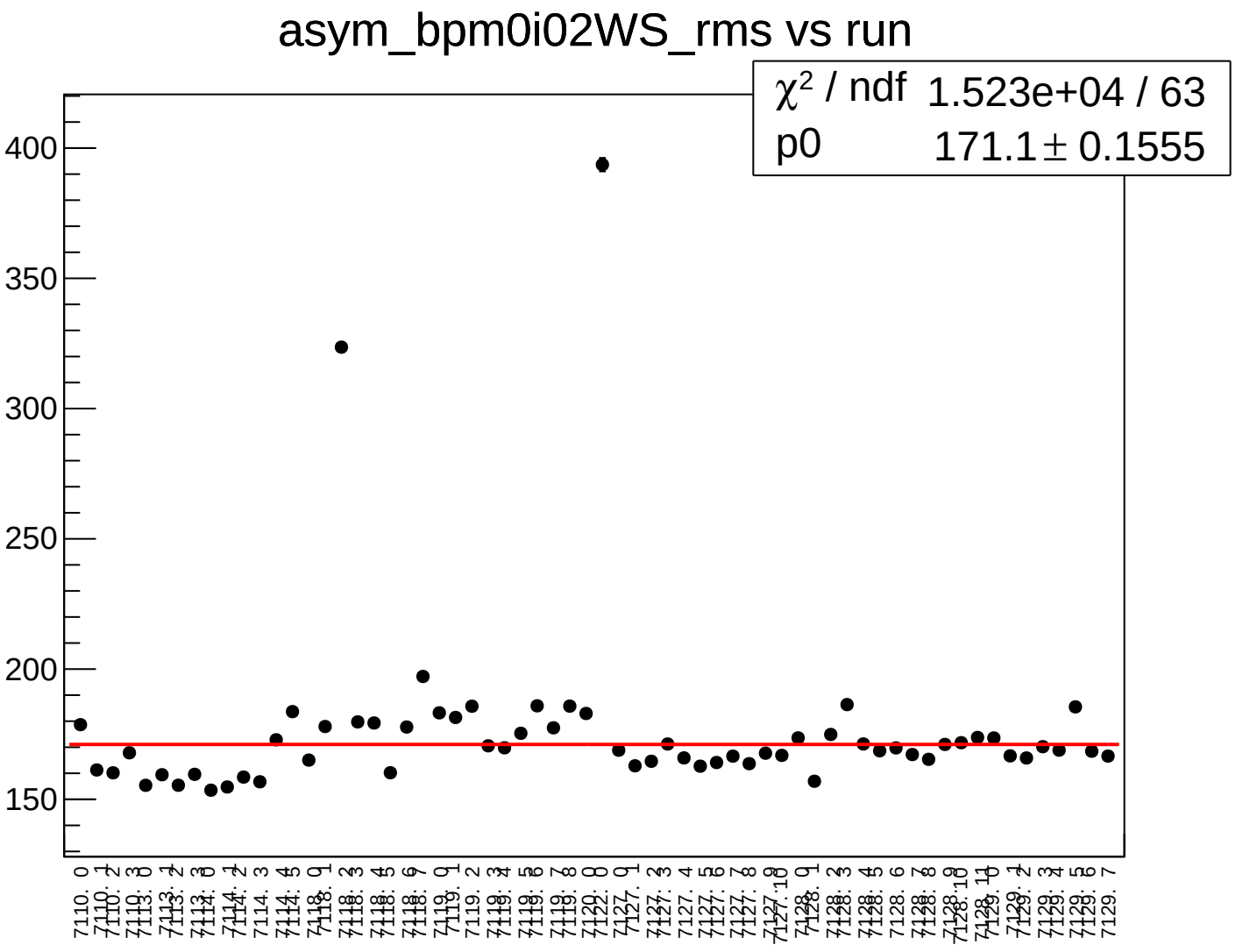

asym_bcm0l02_mean vs run
χ^2 / ndf 71.15 / 63
p0 1379 ± 253.6
pull
Entries 64
Mean 221
Std Dev 0

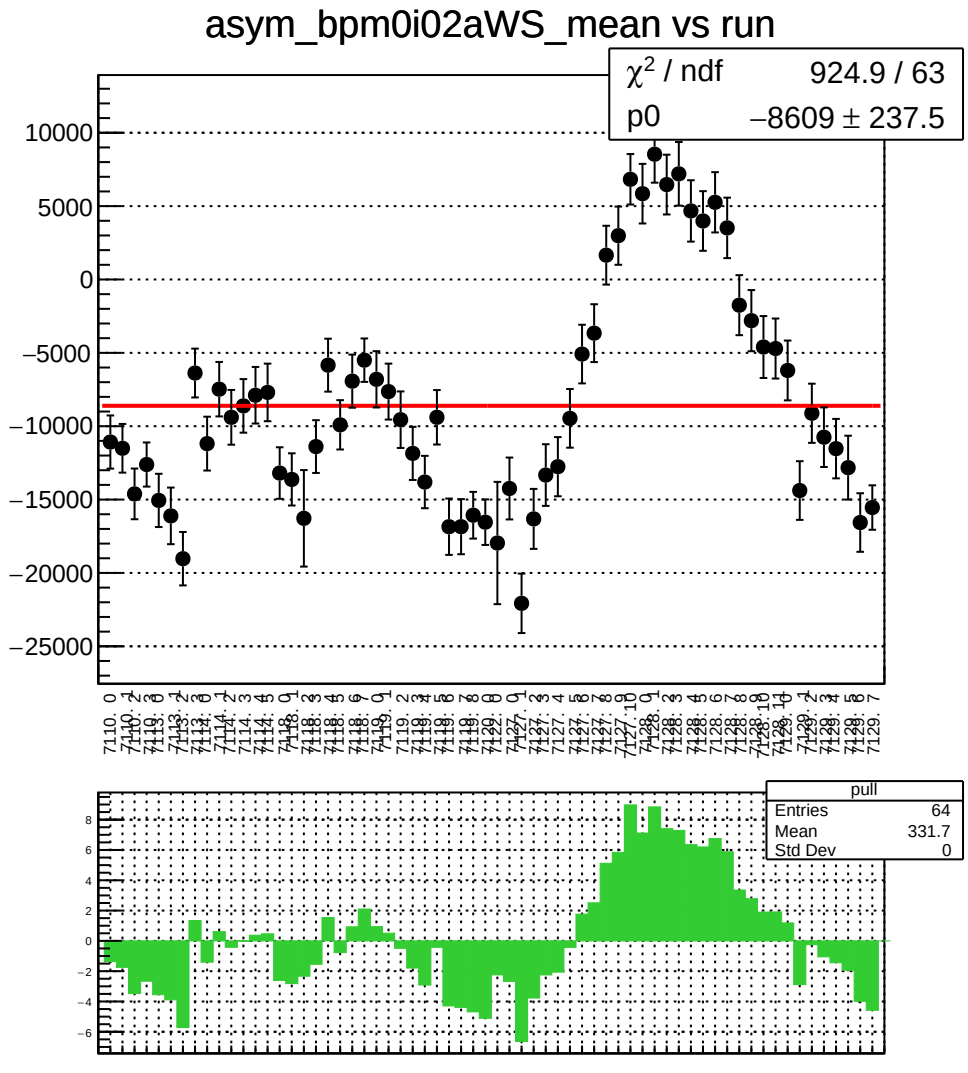

pull1D
Entries 64
Mean −0.05029
Std Dev 1.053

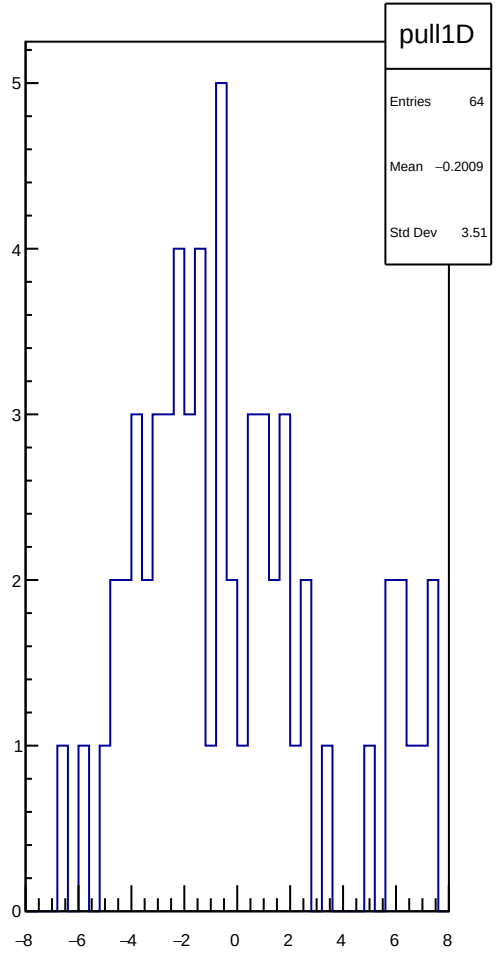

asym_bcm0l02_rms vs run
χ^2 / ndf 1.627e+04 / 63
p0 197.2 ± 0.1793
450
400
350
300
250
200
150

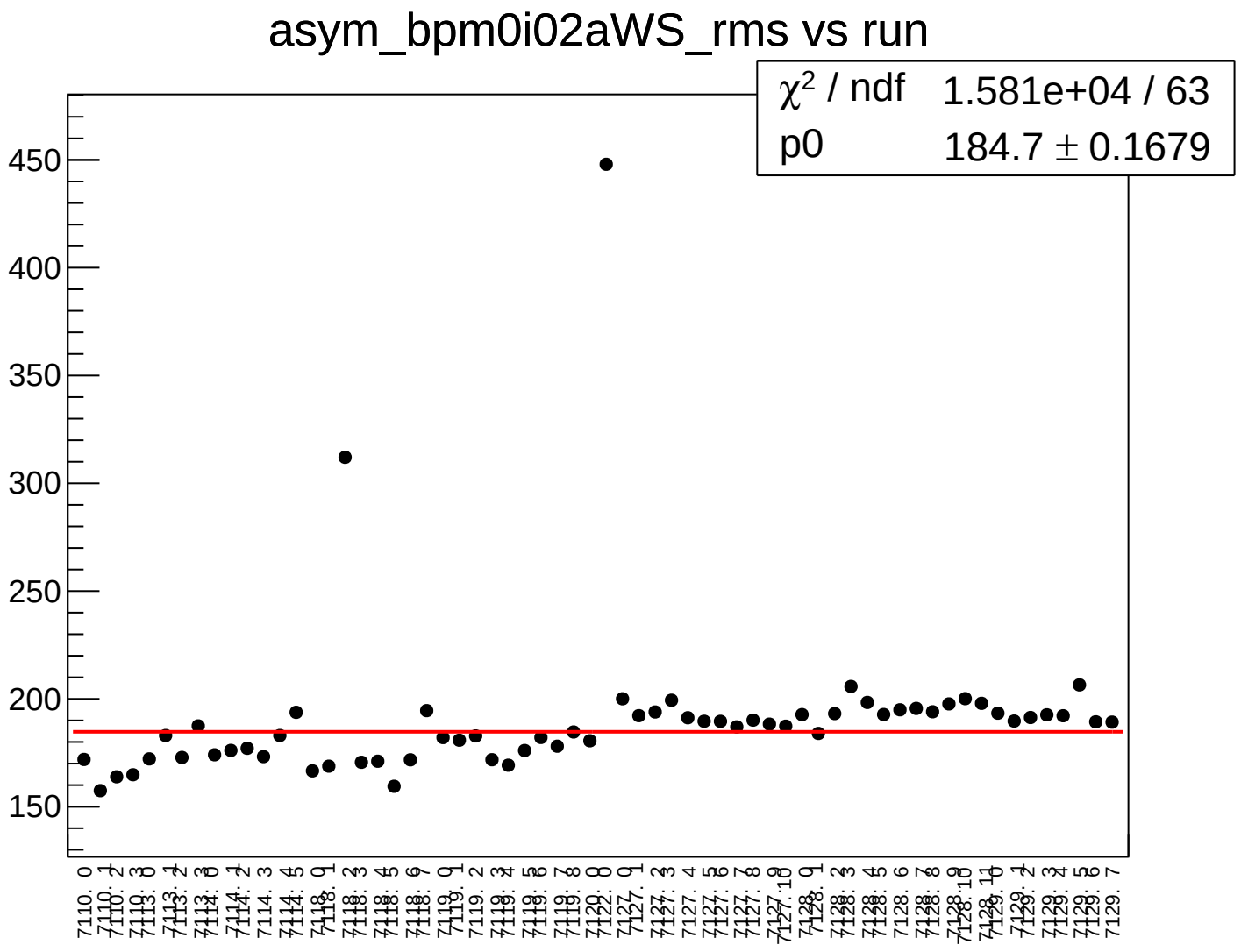

asym_bpm0i02WS_mean vs run
χ² / ndf 933.9 / 63
p0 −2177 ± 219.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 6874
Std Dev 0
8
6
4
2
0
−2
−4
−6

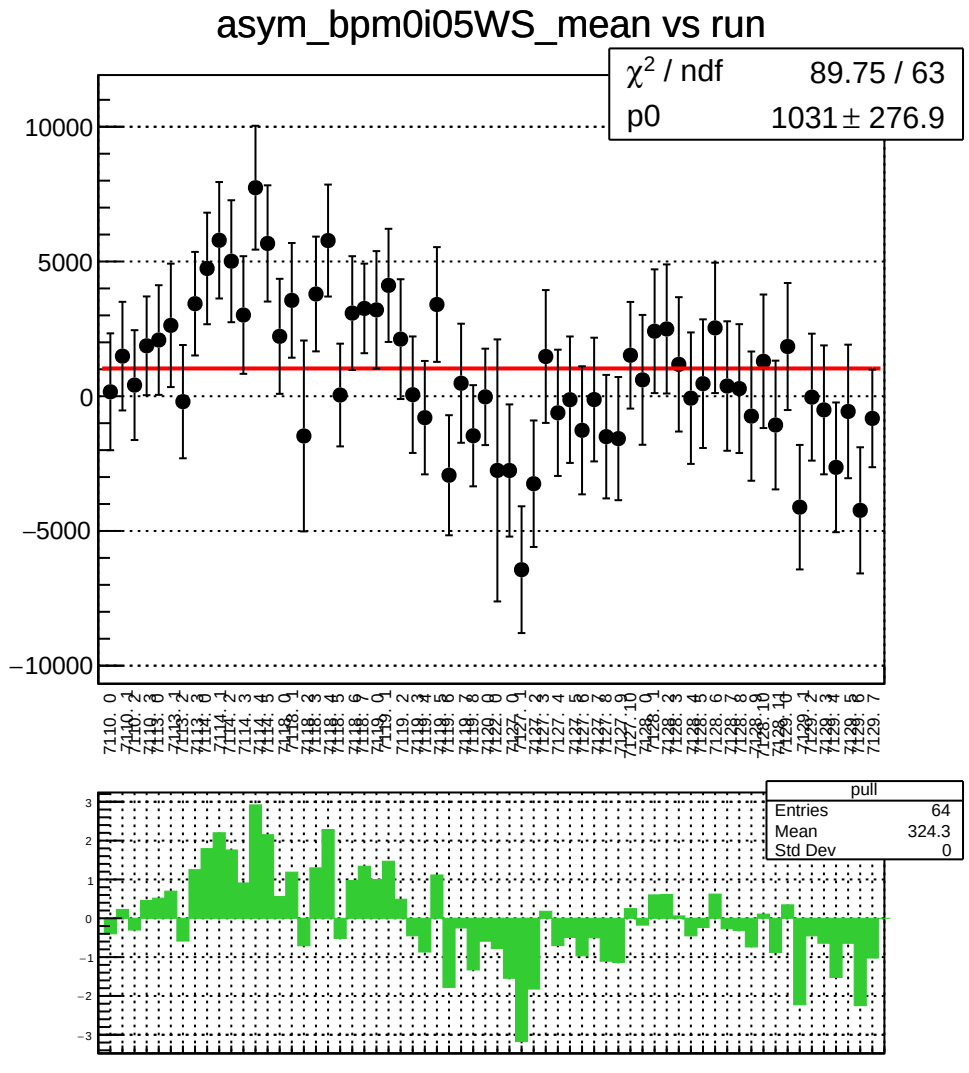

pull1D
Entries 64
Mean −0.2658
Std Dev 3.567
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

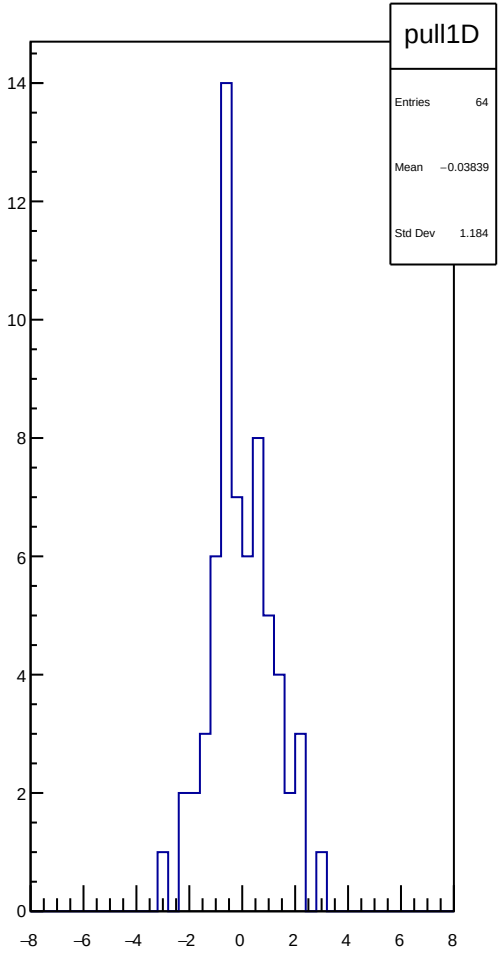

asym_bpm0i02WS_rms vs run
χ² / ndf 1.523e+04 / 63
p0 171.1 ± 0.1555
400
350
300
250
200
150

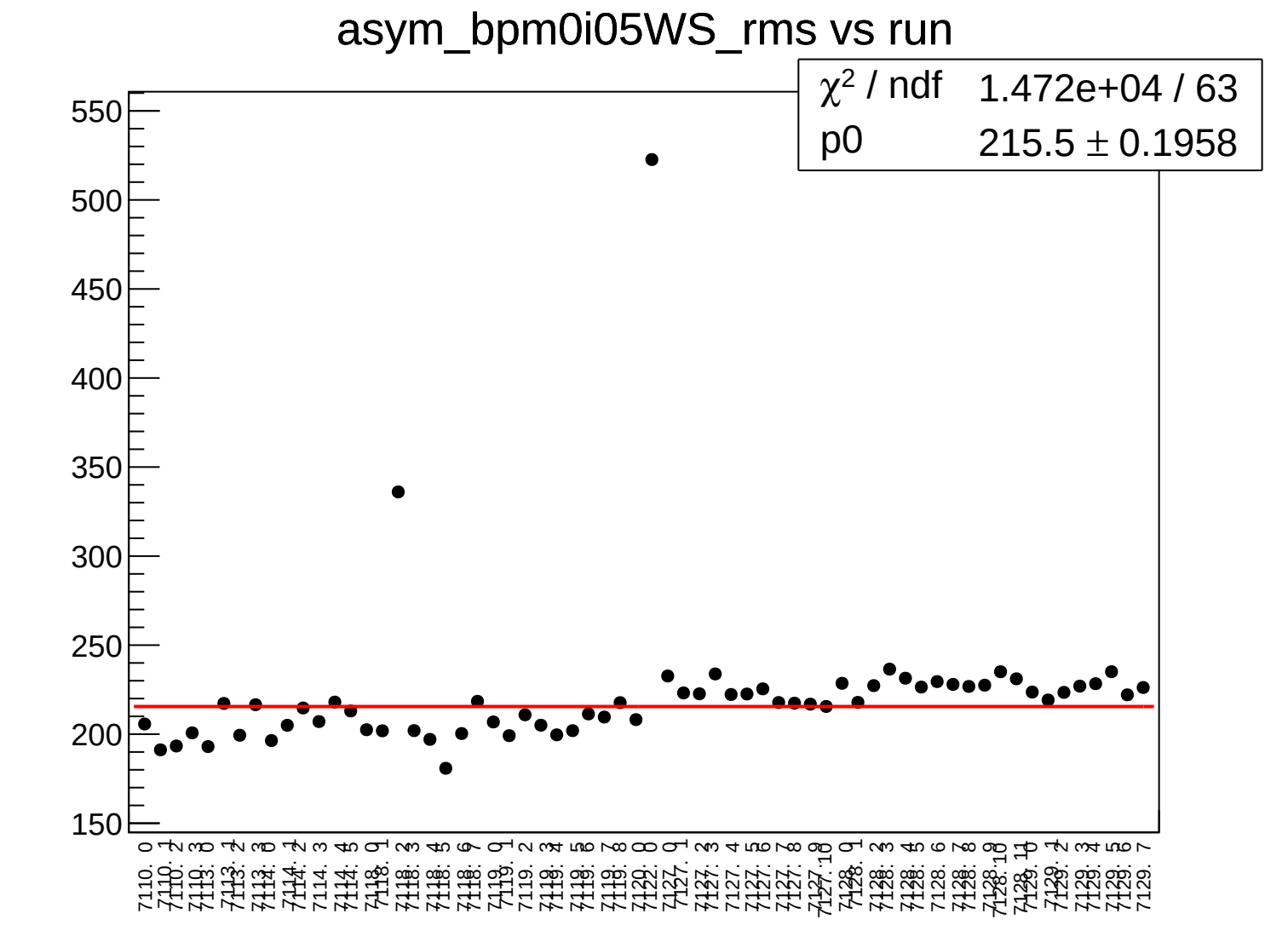

asym_bpm0i02aWS_mean vs run
χ² / ndf 924.9 / 63
p0 −8609 ± 237.5
pull
Entries 64
Mean 331.7
Std Dev 0

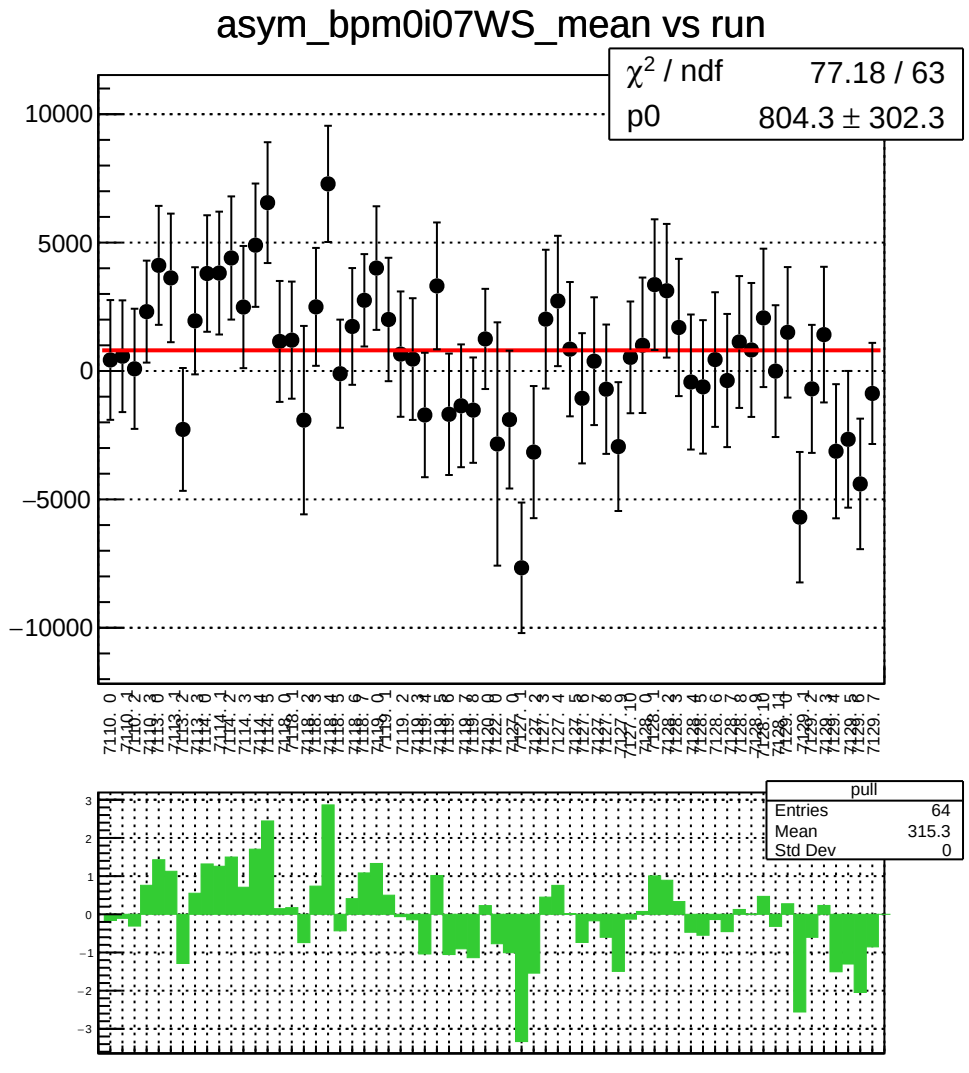

pull1D
Entries 64
Mean −0.2009
Std Dev 3.51

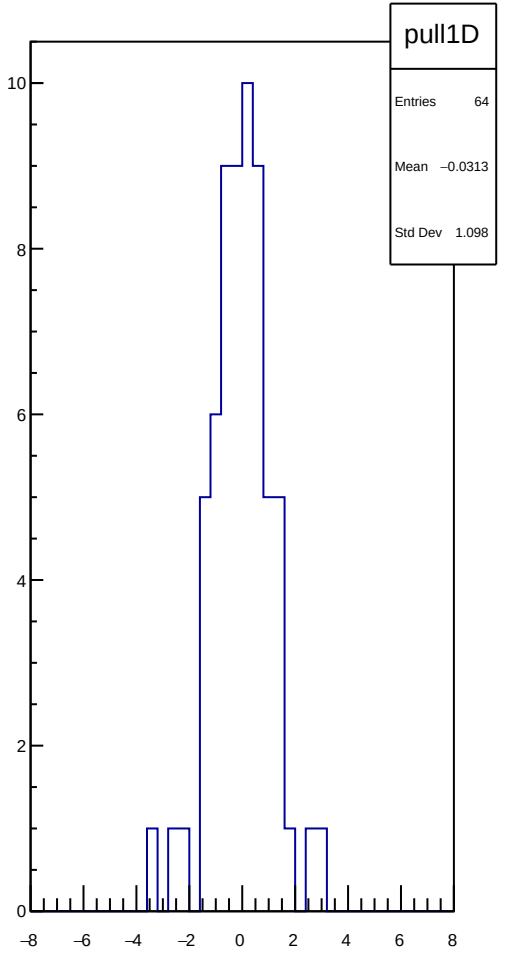

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.581e+04 / 63
p0 184.7 ± 0.1679
450
400
350
300
250
200
150

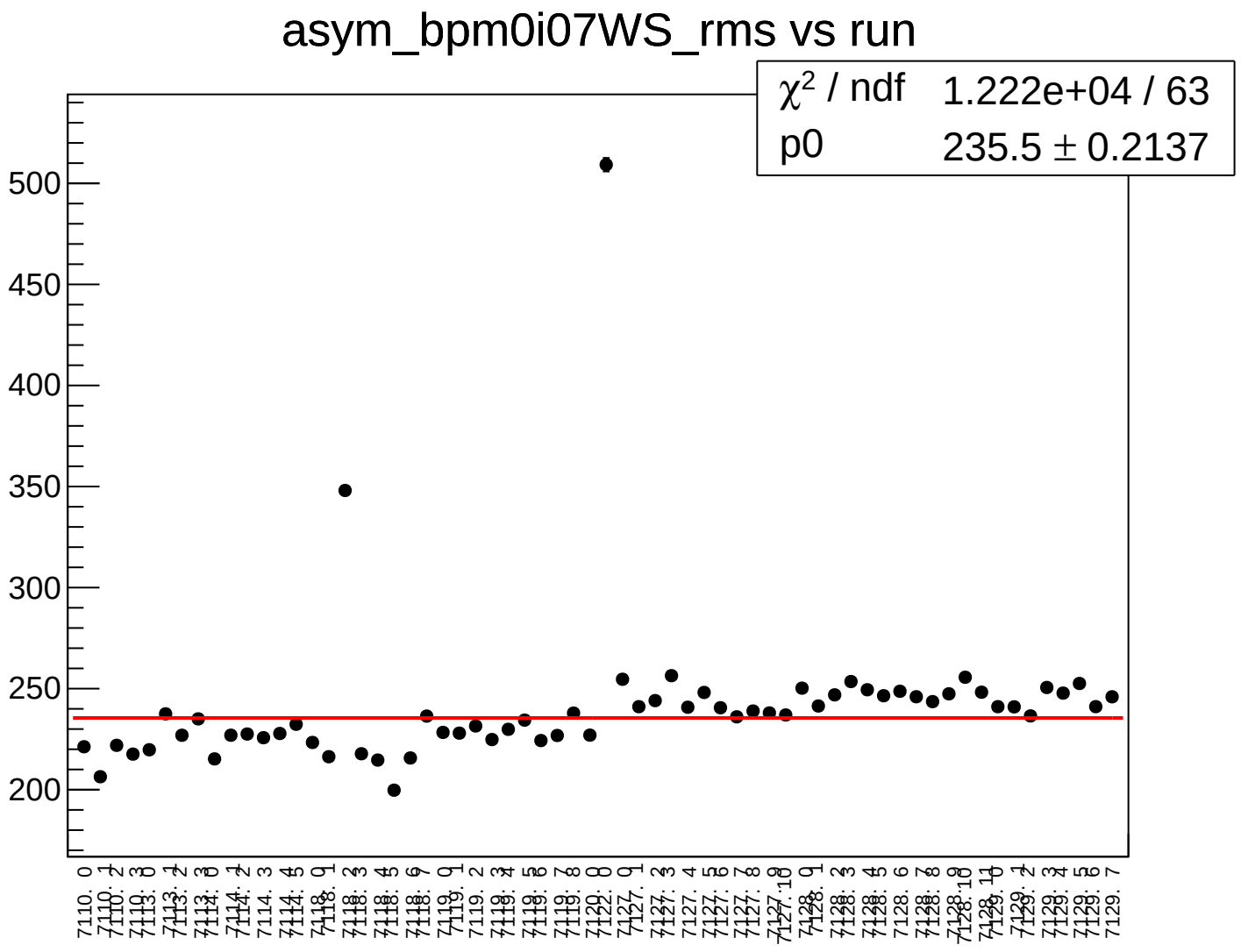

asym_bpm0i05WS_mean vs run
χ² / ndf 89.75 / 63
p0 1031 ± 276.9
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 324.3
Std Dev 0
3
2
1
0
−1
−2
−3

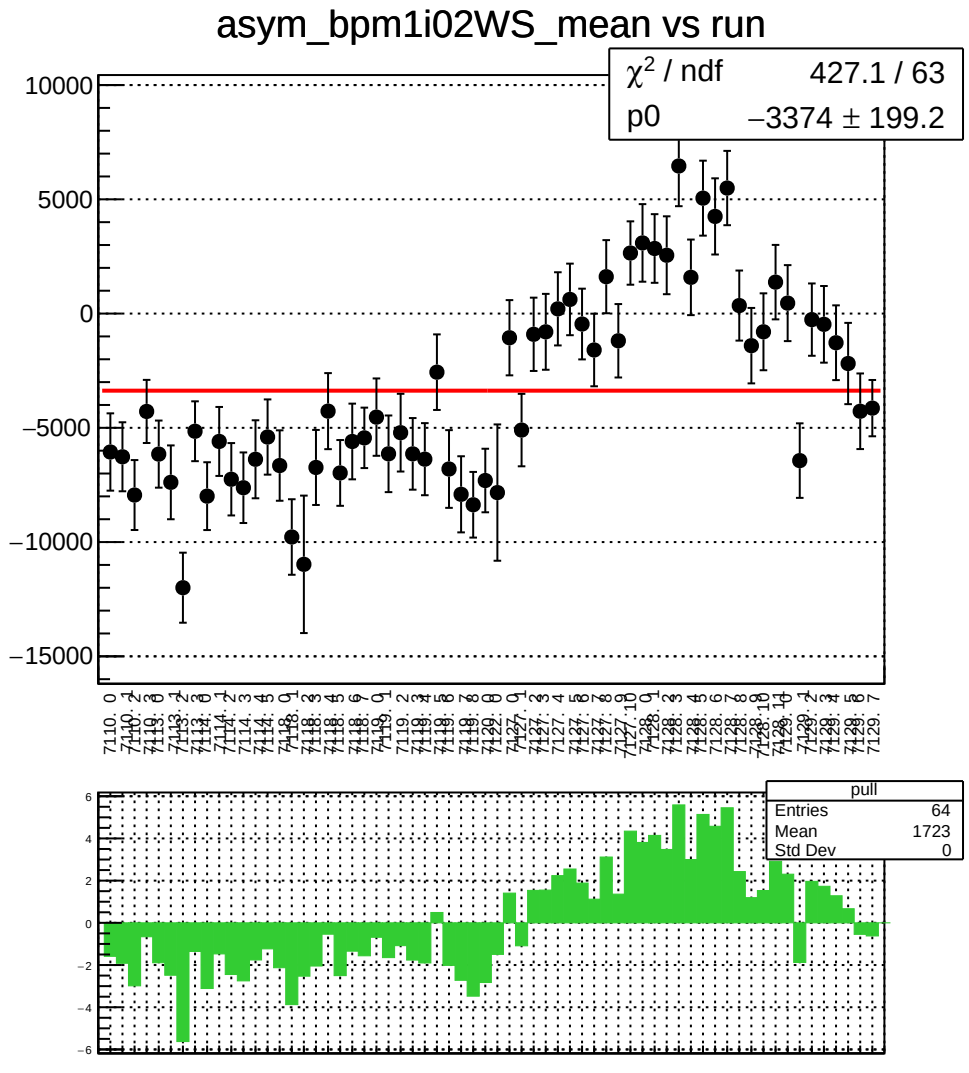

pull1D
Entries 64
Mean −0.03839
Std Dev 1.184
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

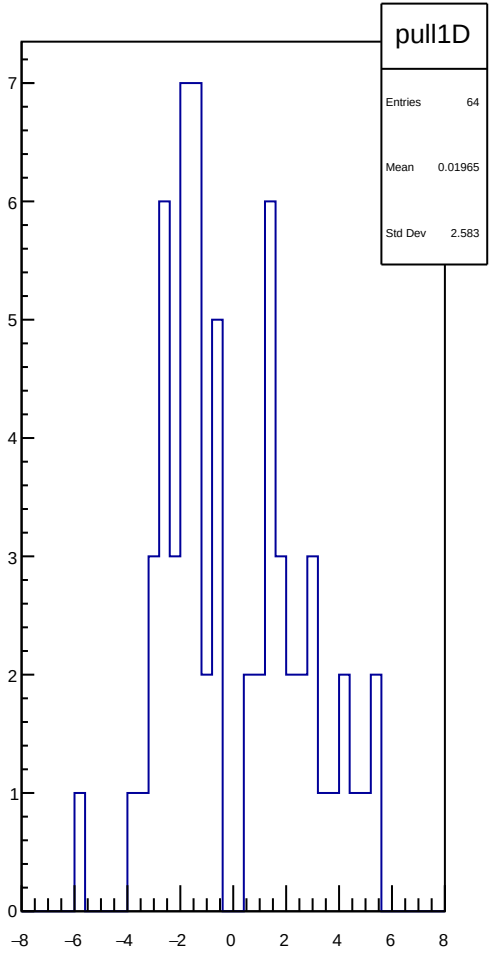

asym_bpm0i05WS_rms vs run
χ² / ndf 1.472e+04 / 63
p0 215.5 ± 0.1958
550
500
450
400
350
300
250
200
150

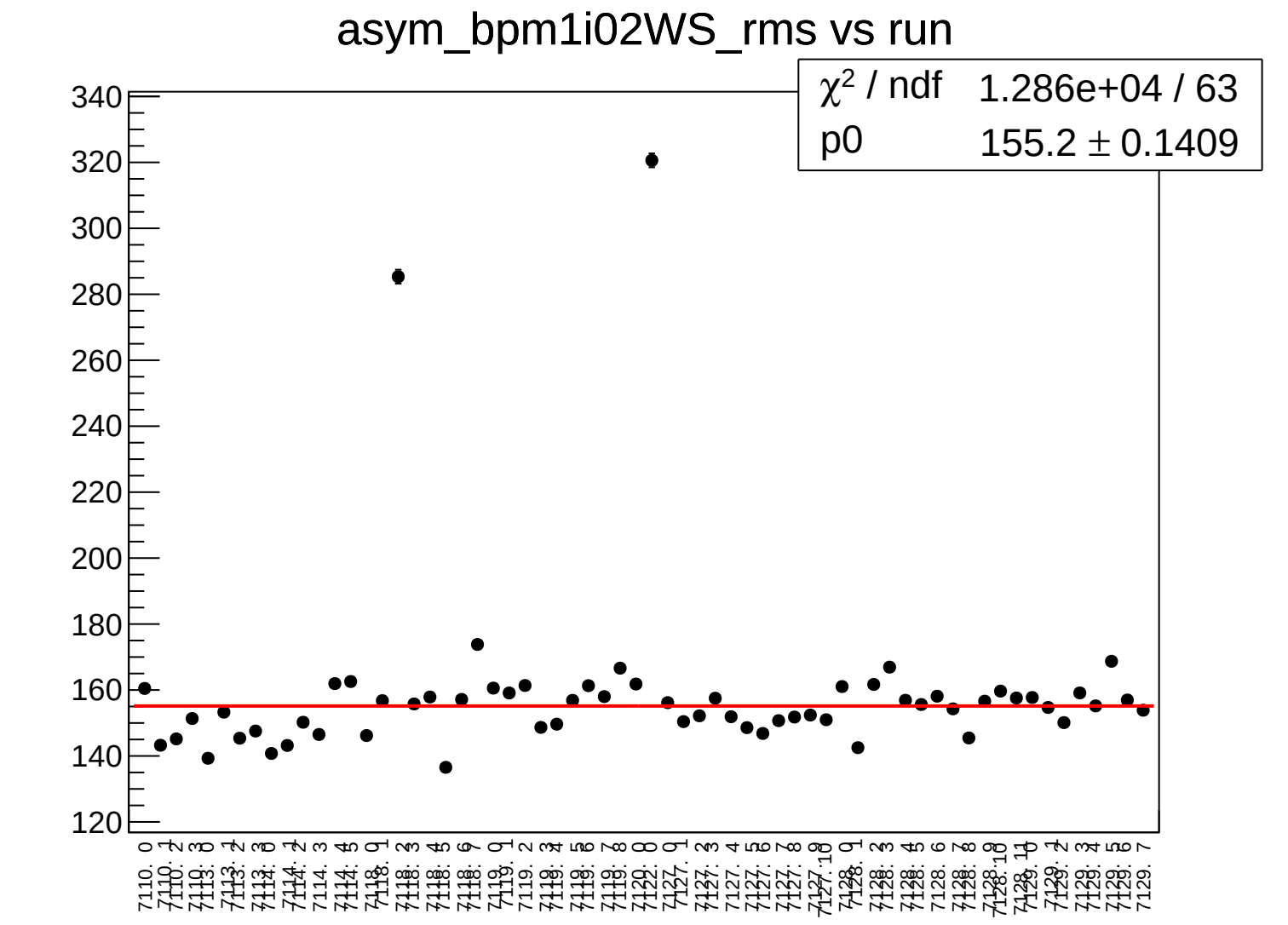

asym_bpm0i07WS_mean vs run
χ² / ndf 77.18 / 63
p0 804.3 ± 302.3
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 315.3
Std Dev 0
3
2
1
0
−1
−2
−3

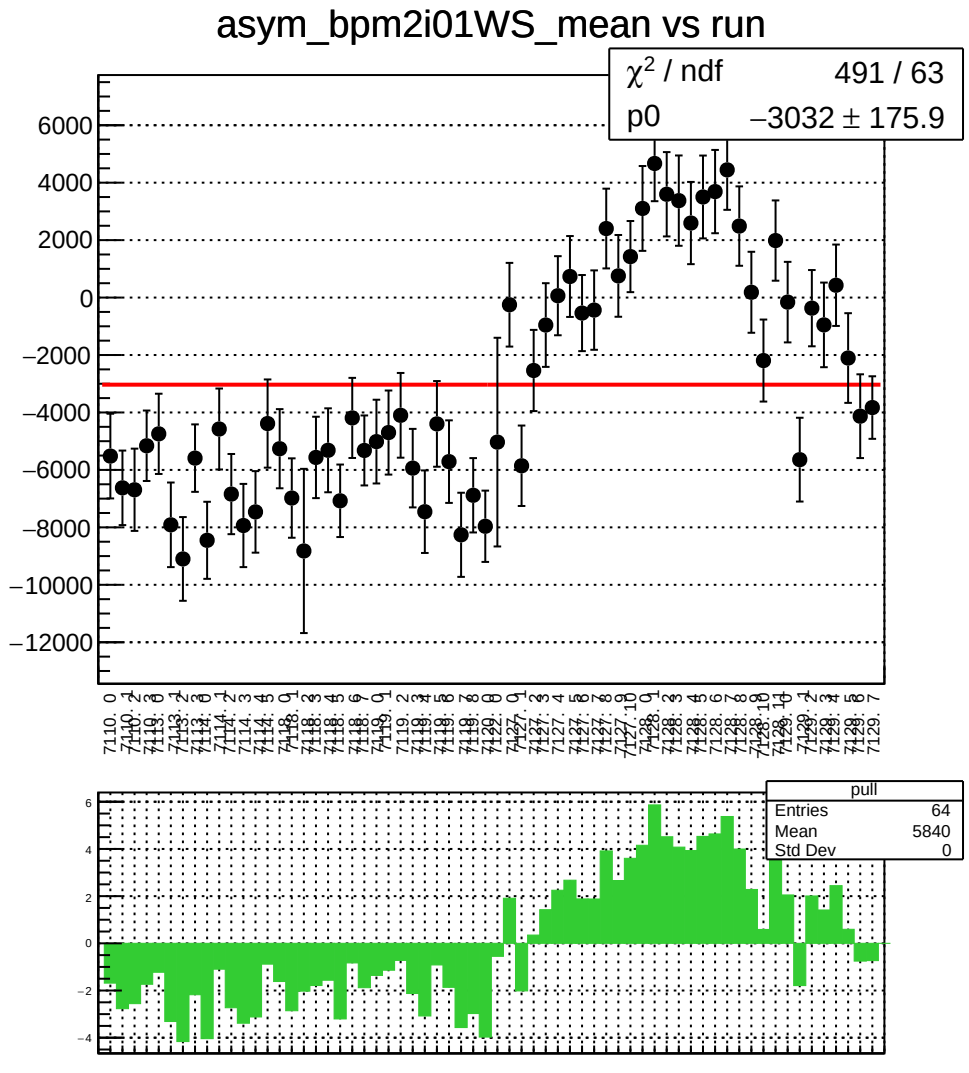

pull1D
Entries 64
Mean −0.0313
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

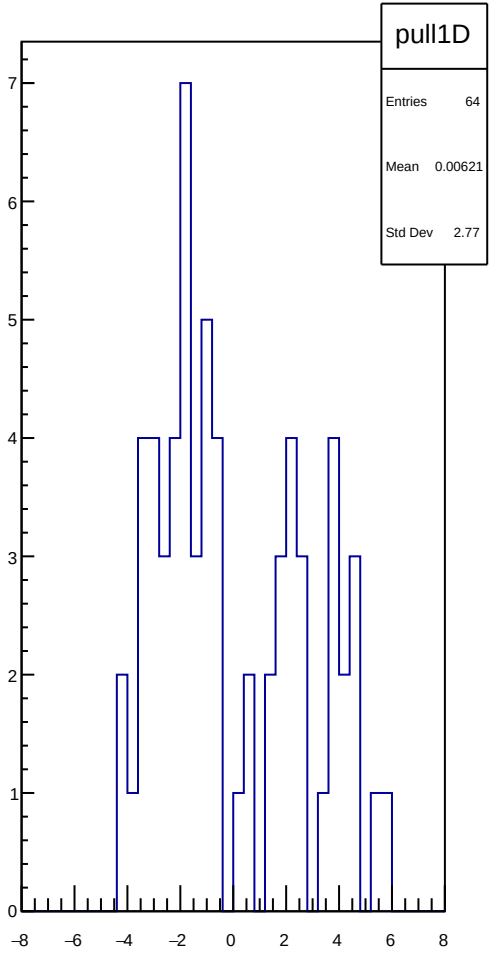

asym_bpm0i07WS_rms vs run
χ² / ndf 1.222e+04 / 63
p0 235.5 ± 0.2137
500
450
400
350
300
250
200

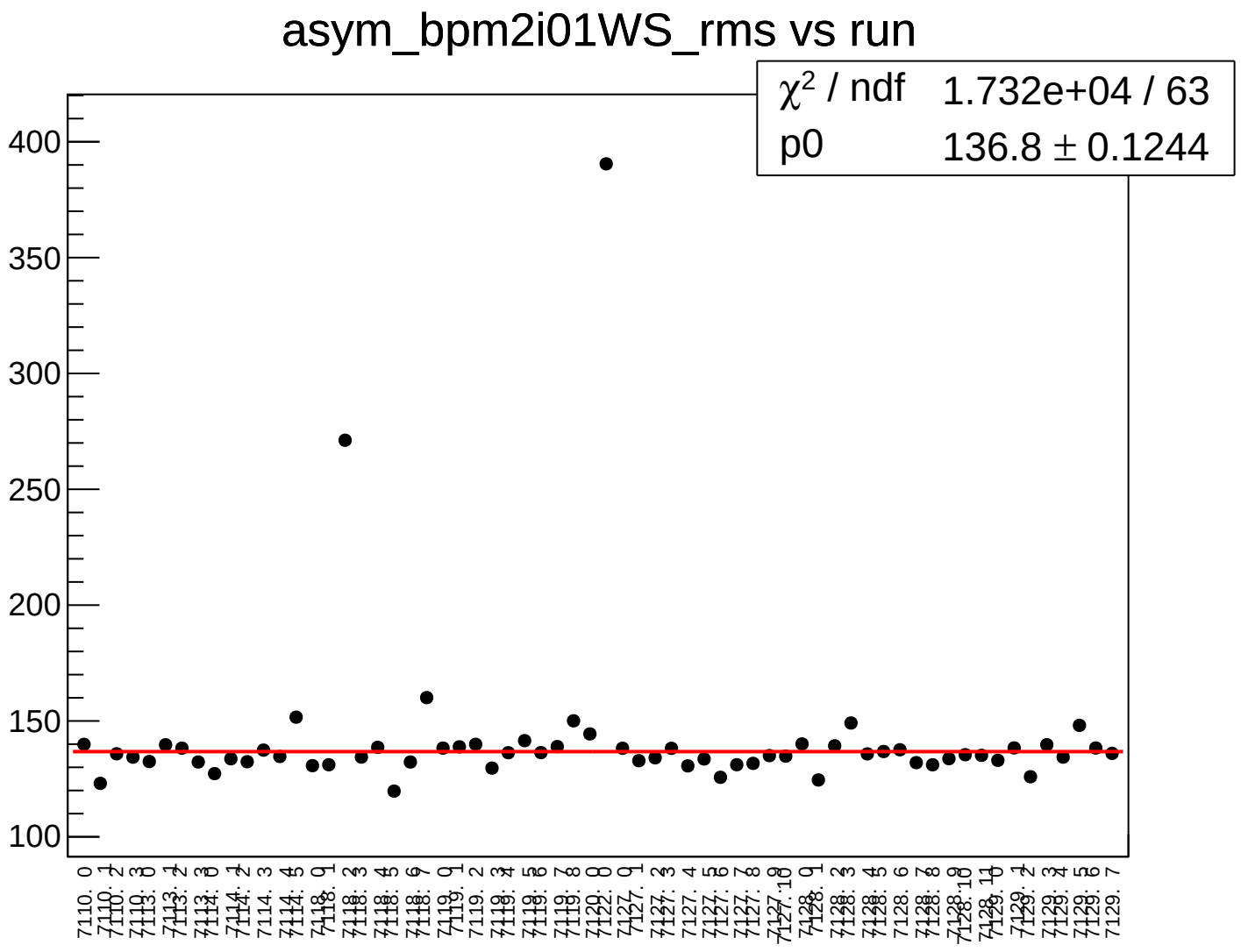

asym_bpm1i02WS_mean vs run
χ² / ndf 427.1 / 63
p0 −3374 ± 199.2
pull
Entries 64
Mean 1723
Std Dev 0

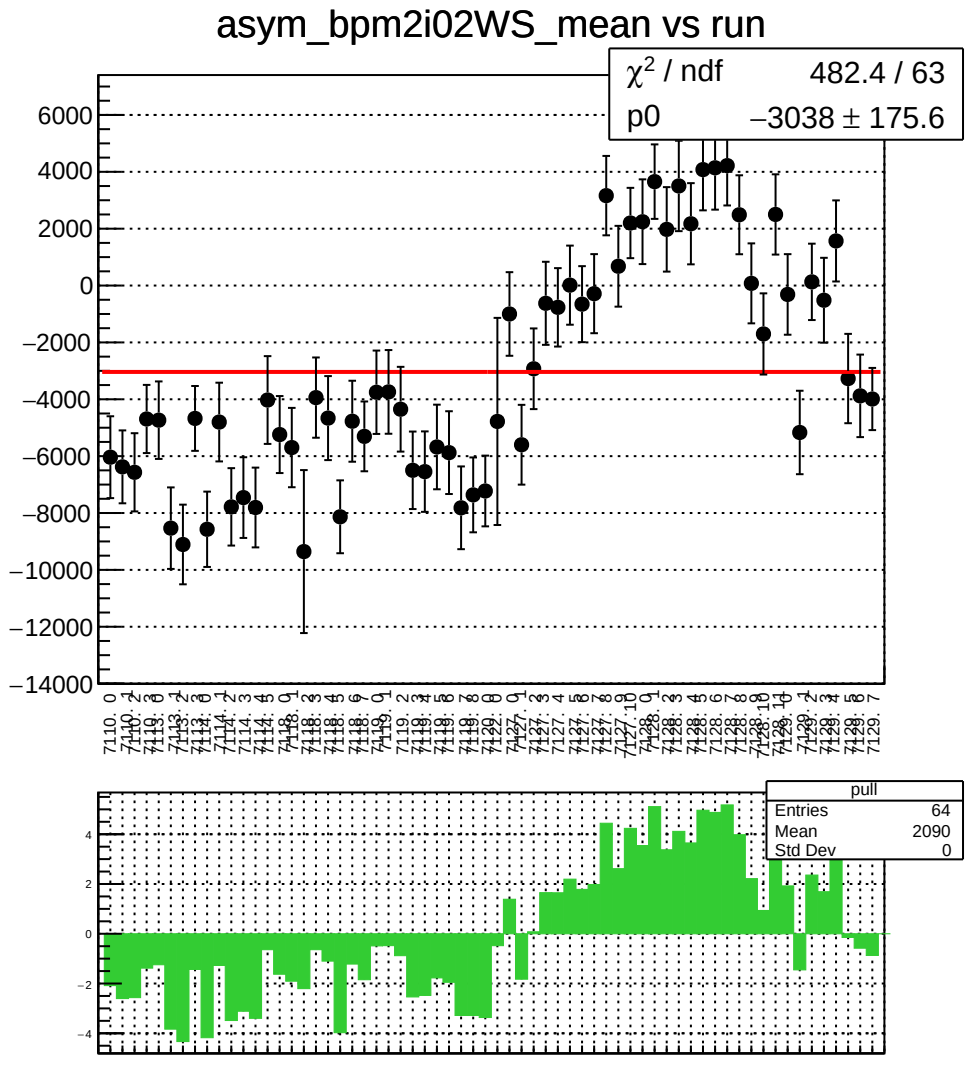

pull1D
Entries 64
Mean 0.01965
Std Dev 2.583

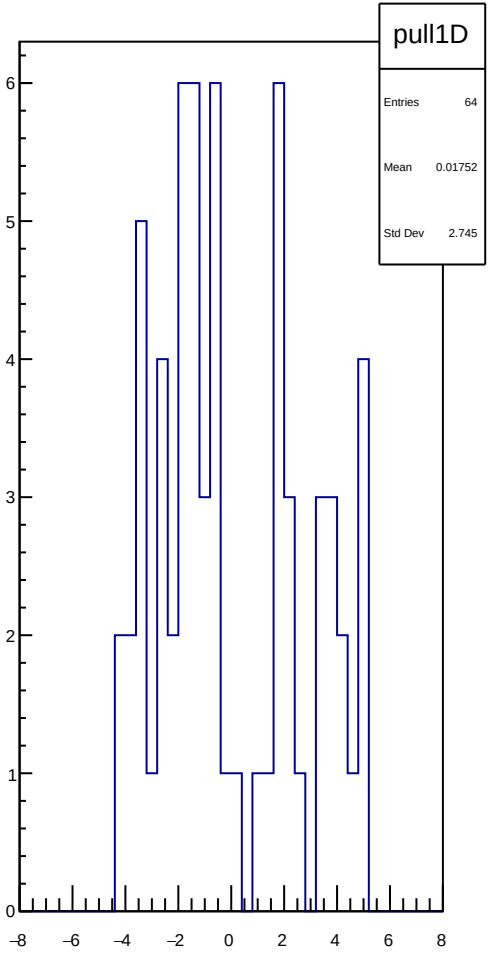

asym_bpm1i02WS_rms vs run
χ² / ndf 1.286e+04 / 63
p0 155.2 ± 0.1409
340
320
300
280
260
240
220
200
180
160
140
120

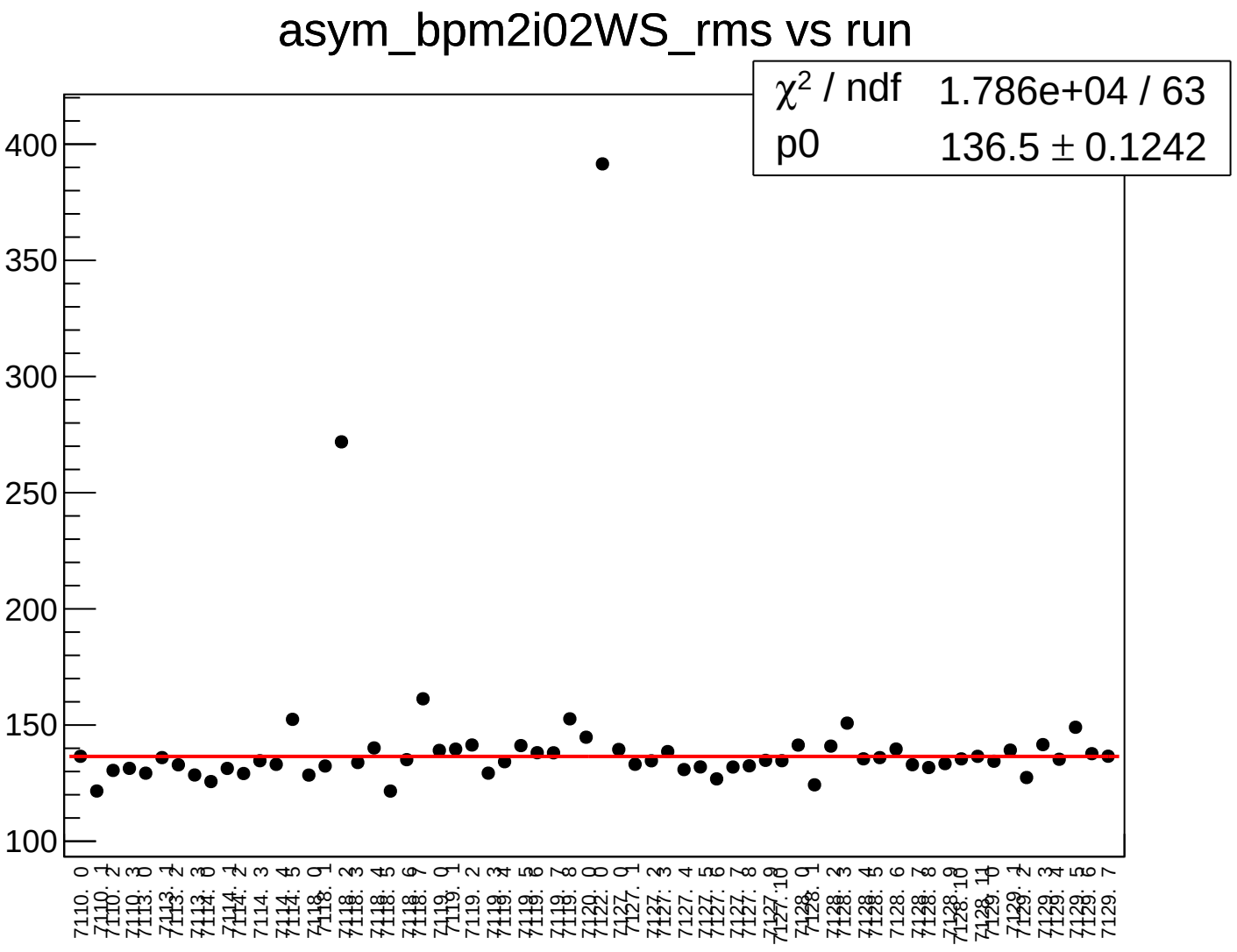

asym_bpm2i01WS_mean vs run
χ^2 / ndf 491 / 63
p0 −3032 ± 175.9
pull
Entries 64
Mean 5840
Std Dev 0

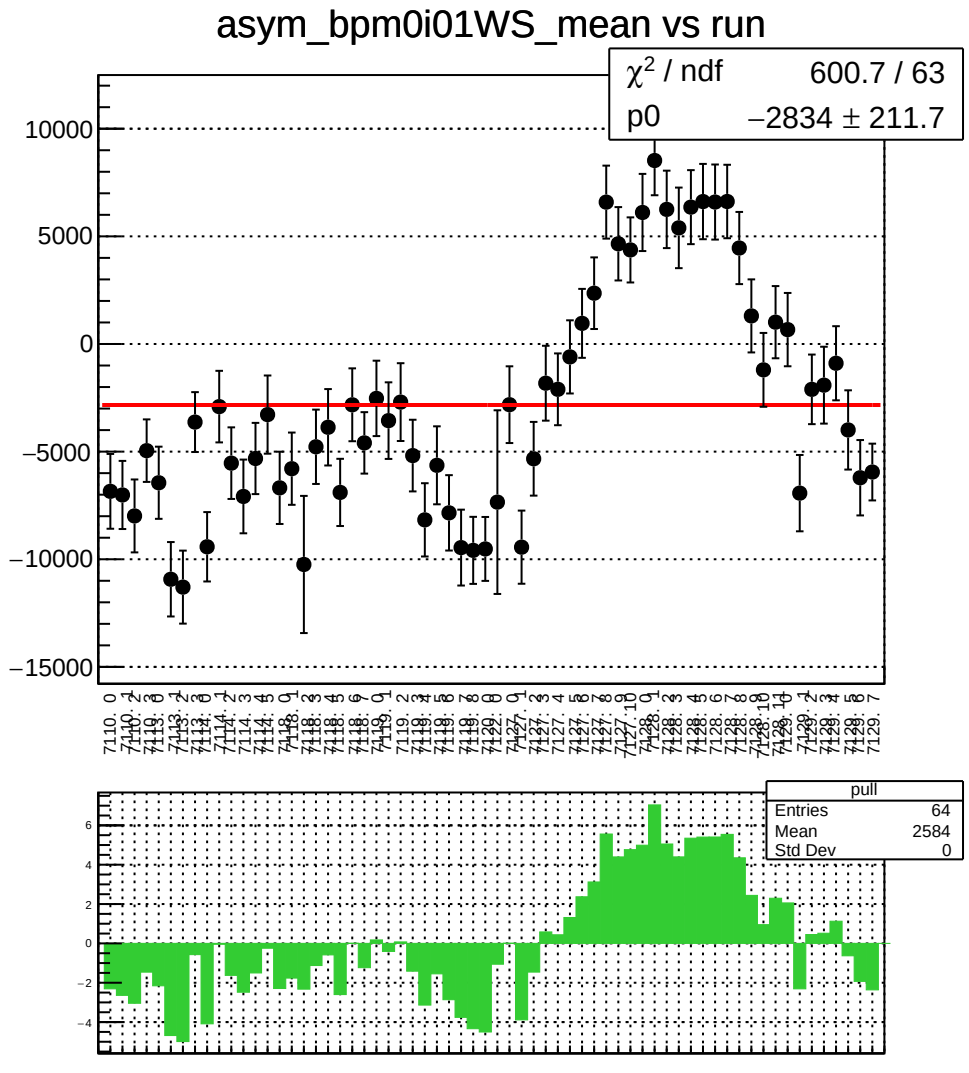

pull1D
Entries 64
Mean 0.00621
Std Dev 2.77

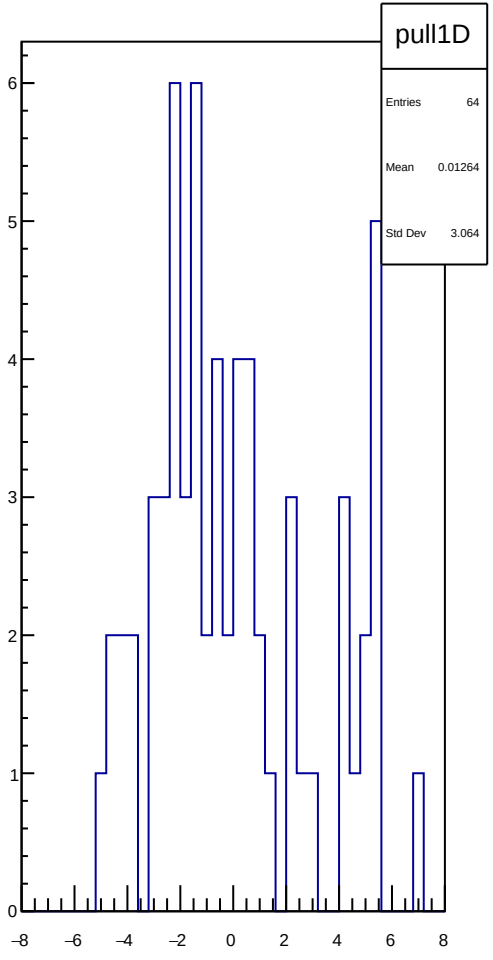

asym_bpm2i01WS_rms vs run
χ² / ndf 1.732e+04 / 63
p0 136.8 ± 0.1244
400
350
300
250
200
150
100

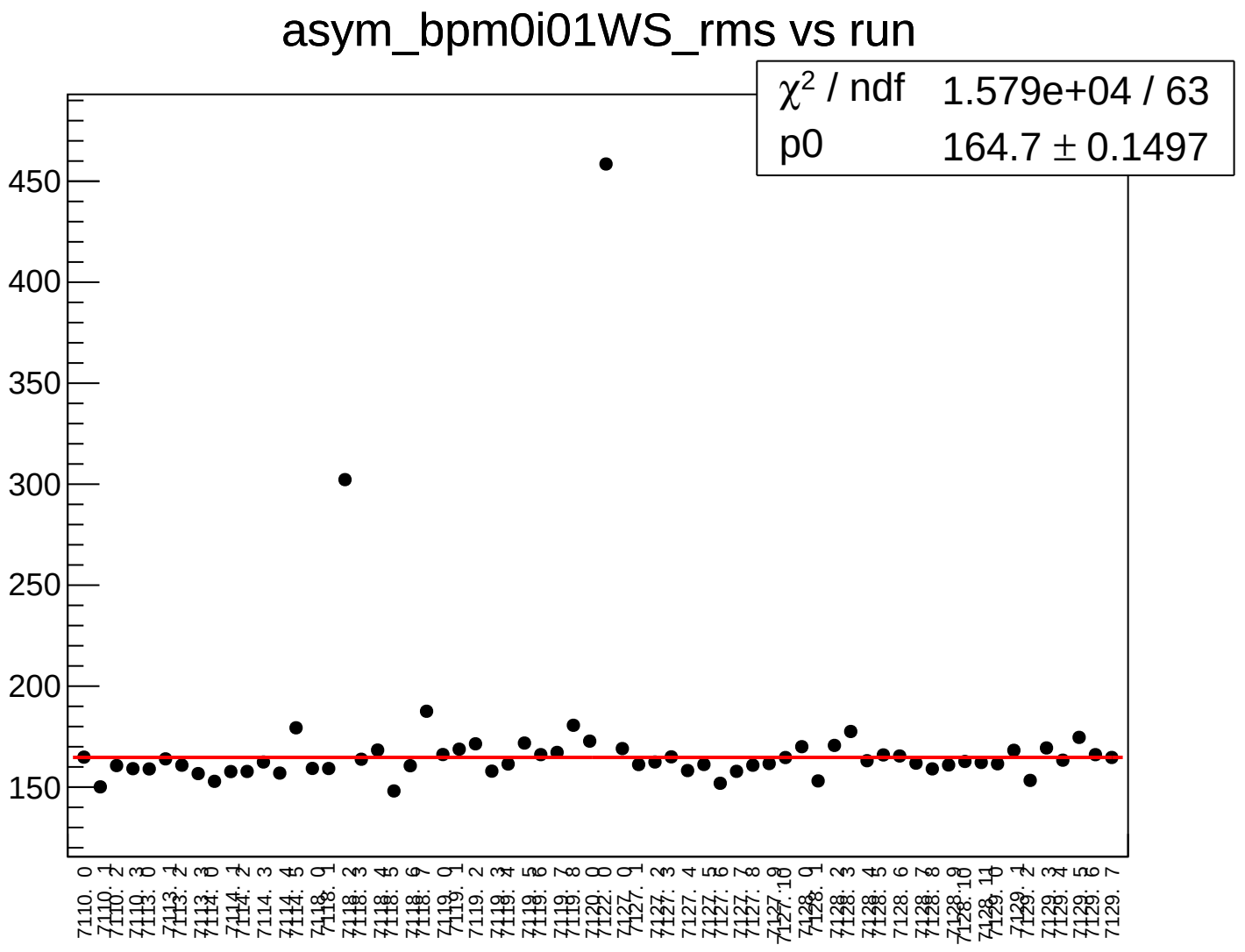

asym_bpm2i02WS_mean vs run
χ² / ndf 482.4 / 63
p0 −3038 ± 175.6
pull
Entries 64
Mean 2090
Std Dev 0

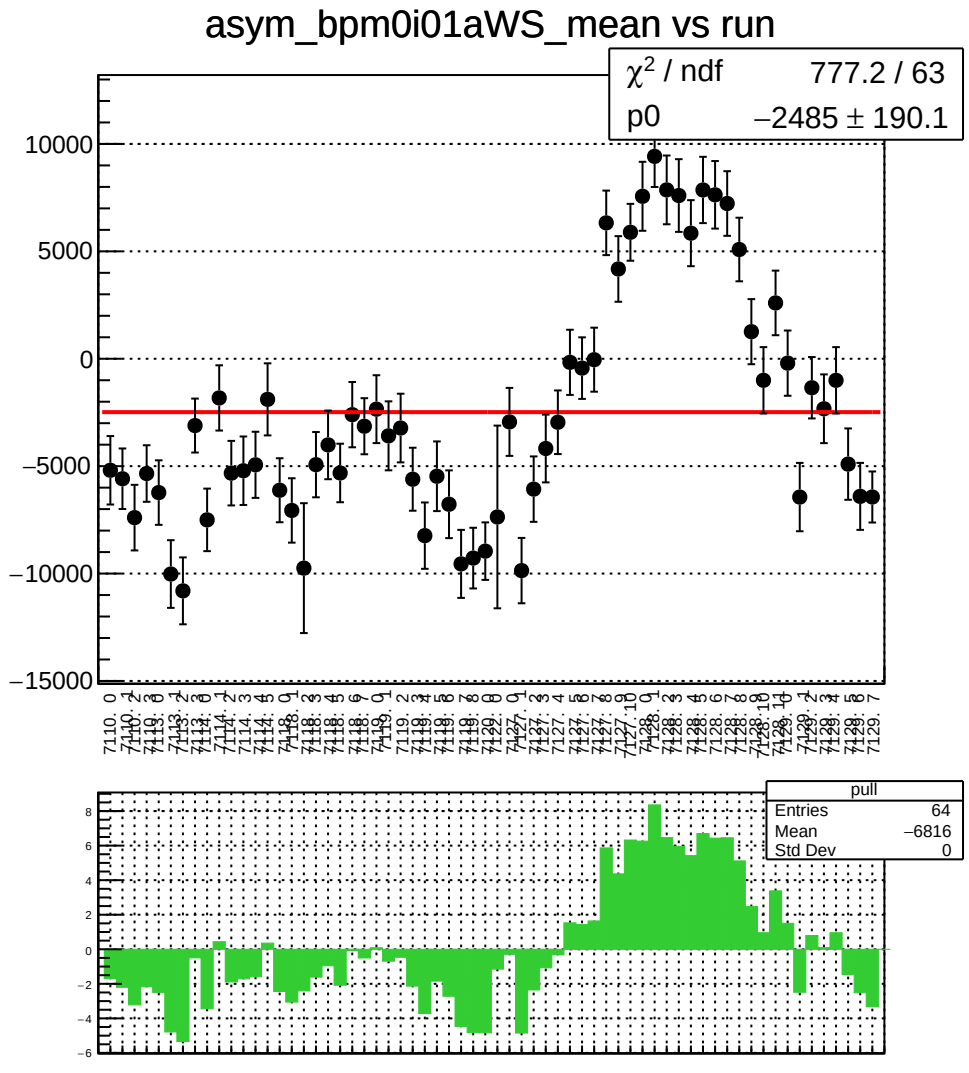

pull1D
Entries 64
Mean 0.01752
Std Dev 2.745

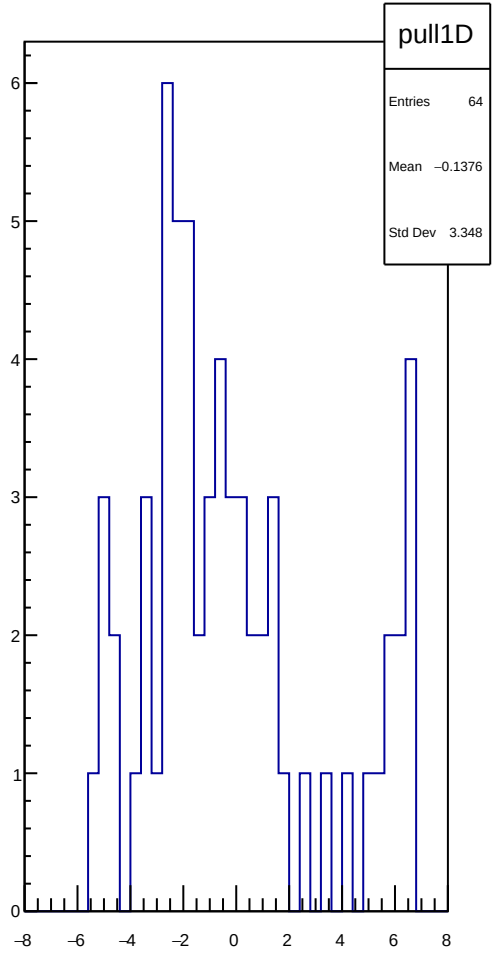

asym_bpm2i02WS_rms vs run
χ² / ndf 1.786e+04 / 63
p0 136.5 ± 0.1242
400
350
300
250
200
150
100

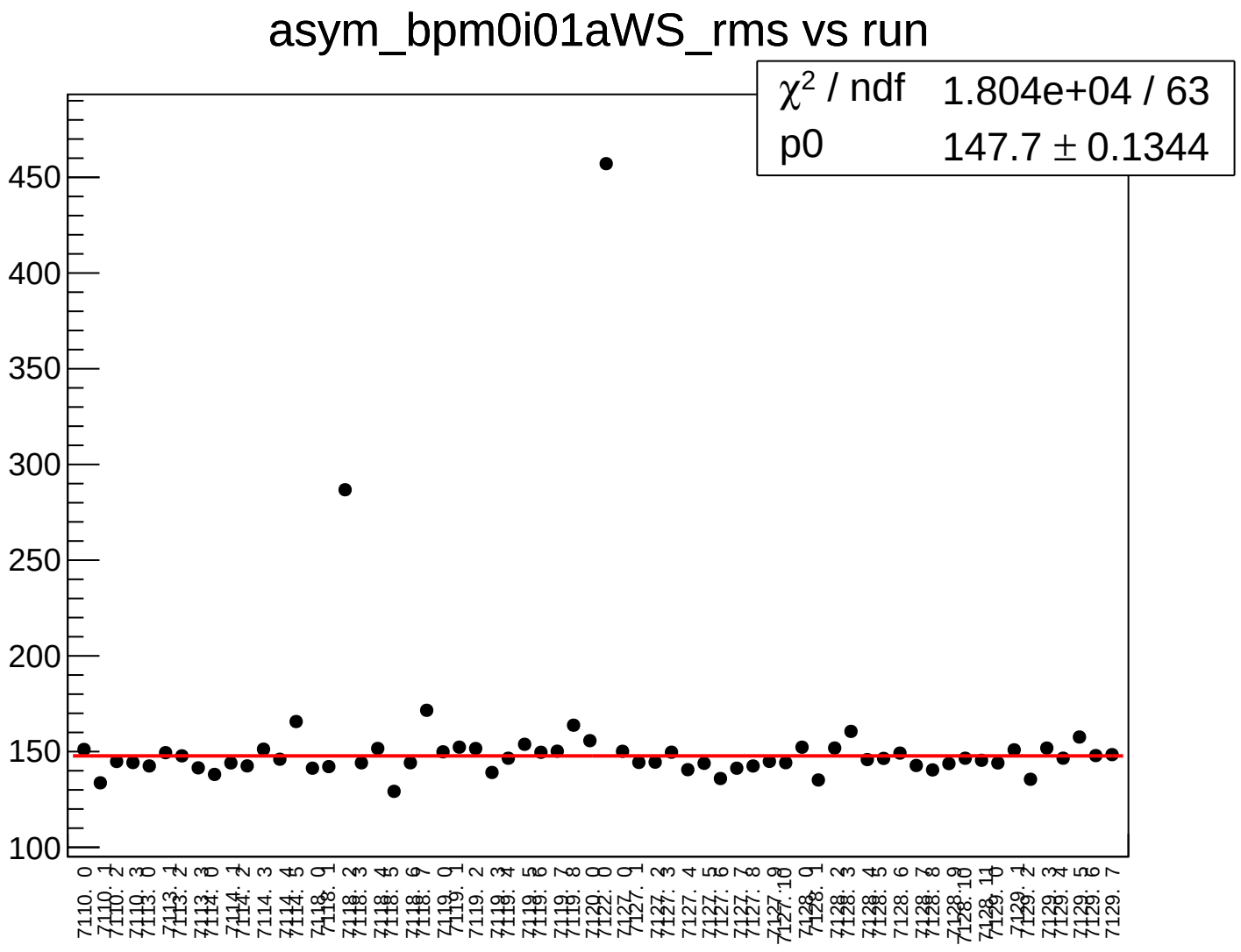

asym_bpm0i01WS_mean vs run
χ² / ndf 600.7 / 63
p0 −2834 ± 211.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 2584
Std Dev 0
6
4
2
0
−2
−4

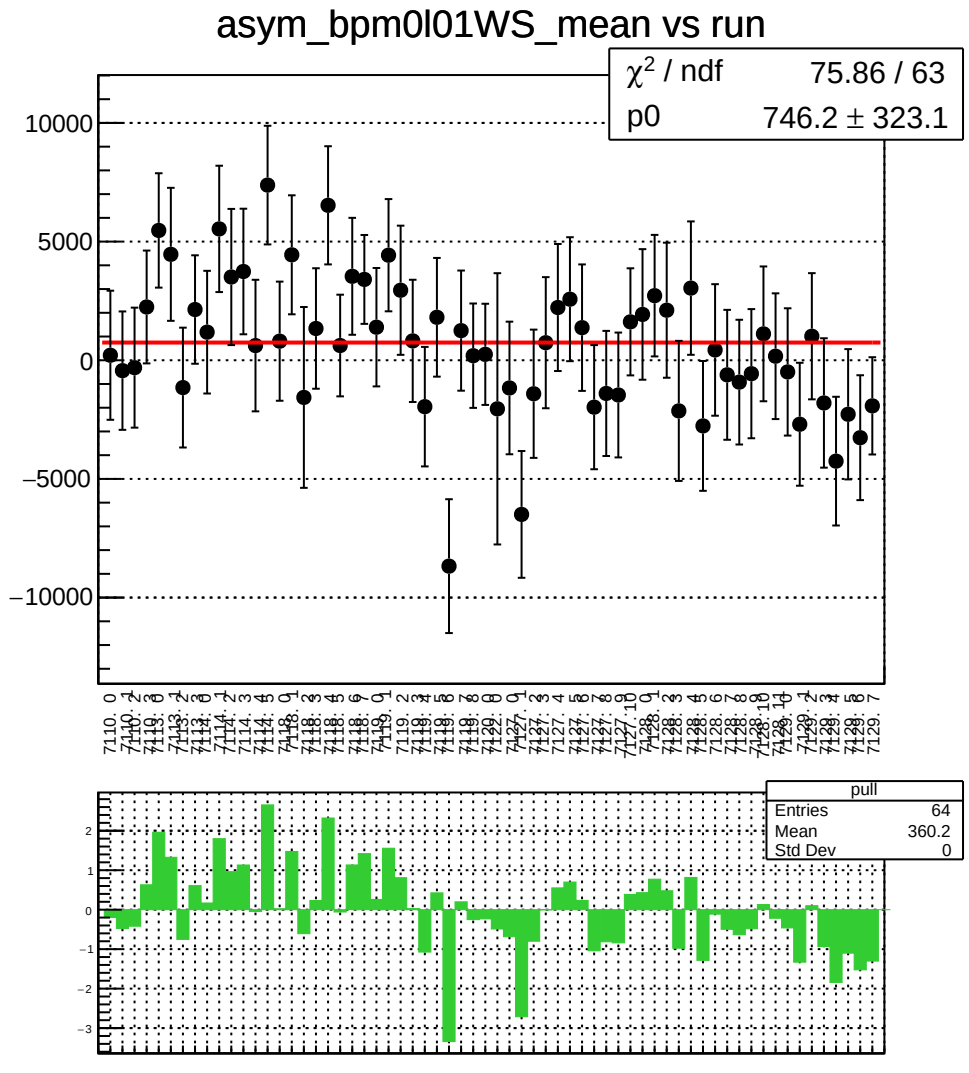

pull1D
Entries 64
Mean 0.01264
Std Dev 3.064
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

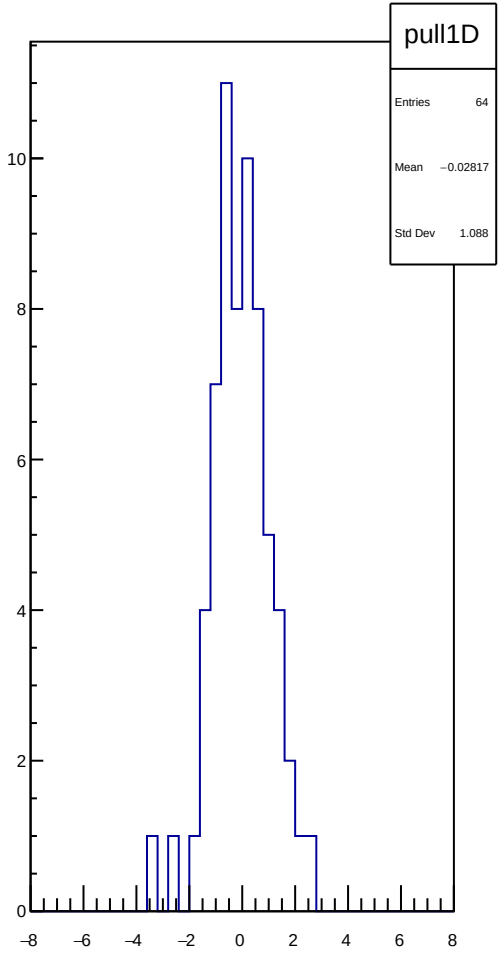

asym_bpm0i01WS_rms vs run
χ² / ndf 1.579e+04 / 63
p0 164.7 ± 0.1497
450
400
350
300
250
200
150

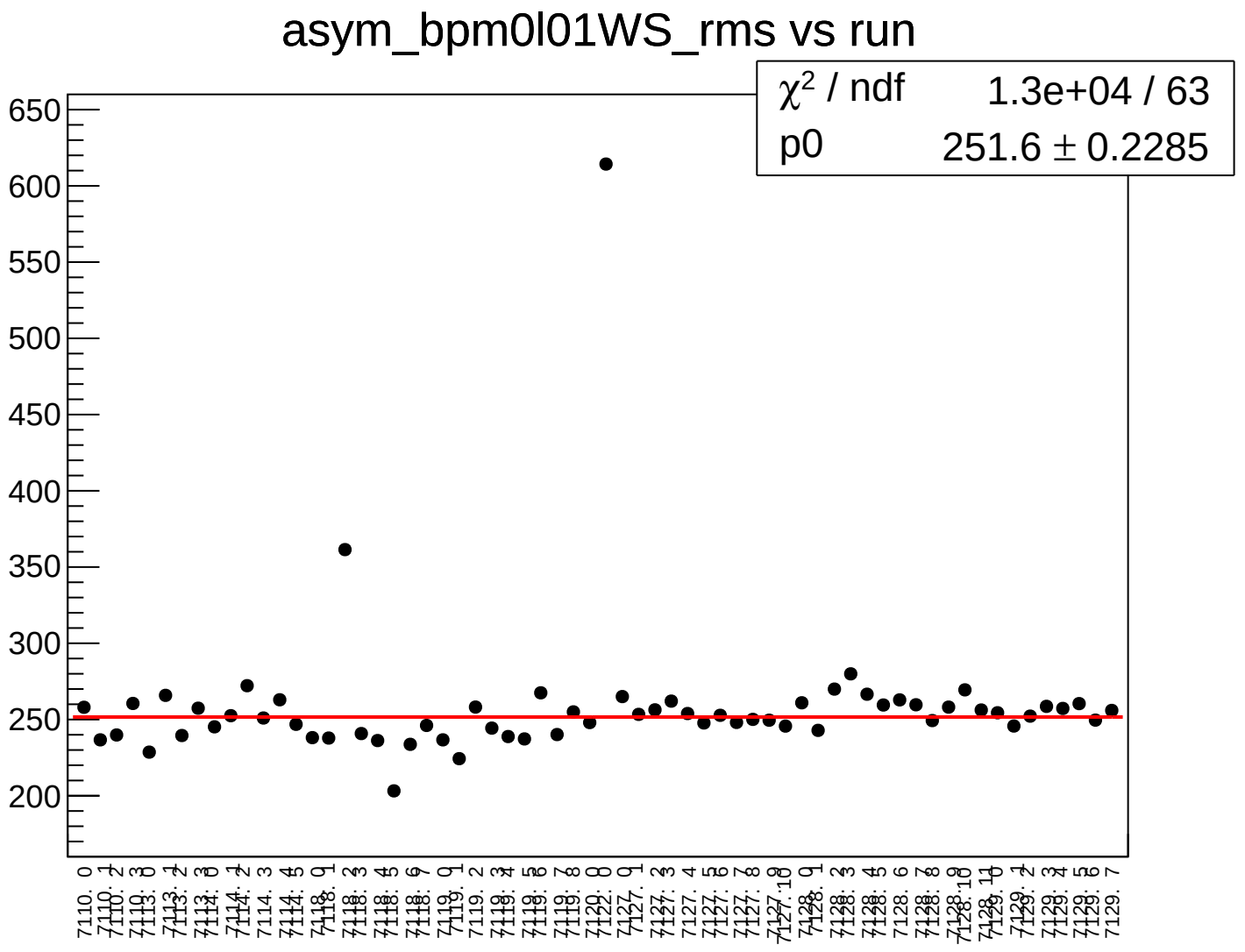

asym_bpm0i01aWS_mean vs run
χ² / ndf 777.2 / 63
p0 −2485 ± 190.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −6816
Std Dev 0
8
6
4
2
0
−2
−4
−6

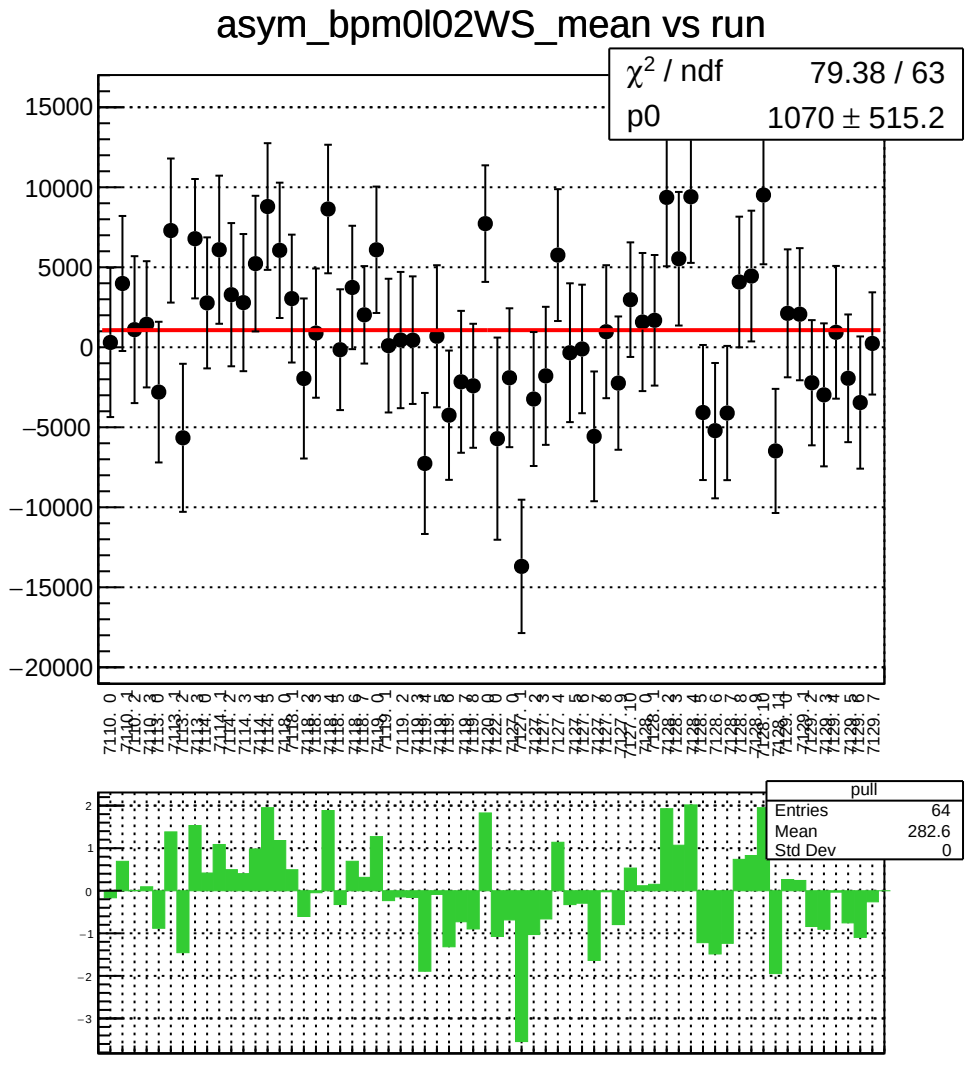

pull1D
Entries 64
Mean −0.1376
Std Dev 3.348
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

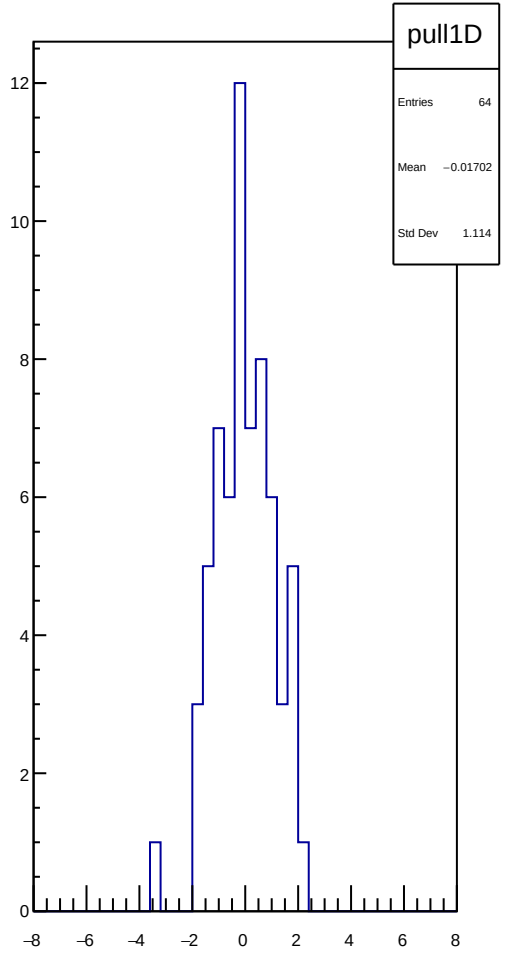

asym_bpm0i01aWS_rms vs run
χ^2 / ndf 1.804e+04 / 63
p0 147.7 ± 0.1344
450
400
350
300
250
200
150
100

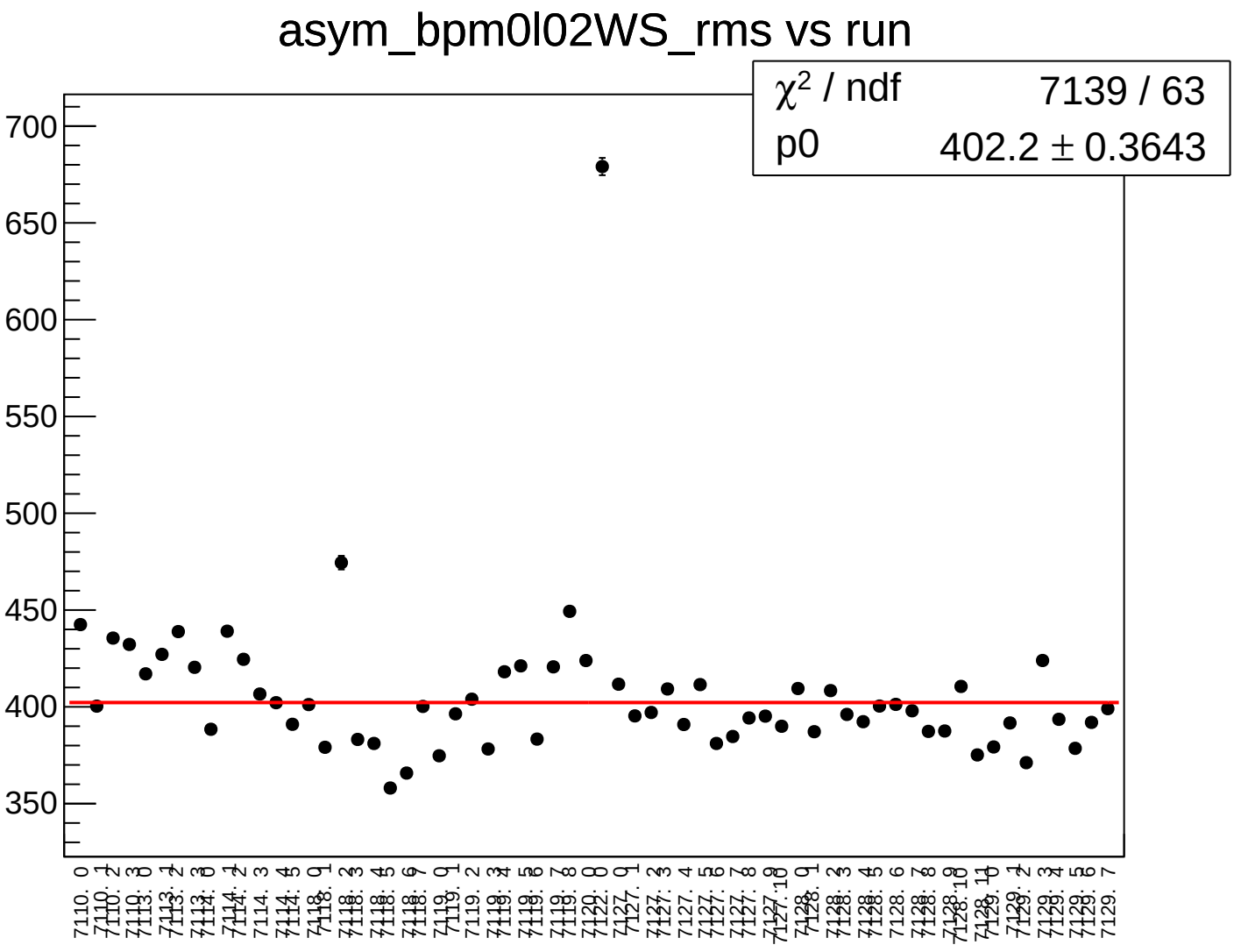

asym_bpm0l01WS_mean vs run
χ² / ndf 75.86 / 63
p0 746.2 ± 323.1
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 360.2
Std Dev 0
2
1
0
−1
−2
−3

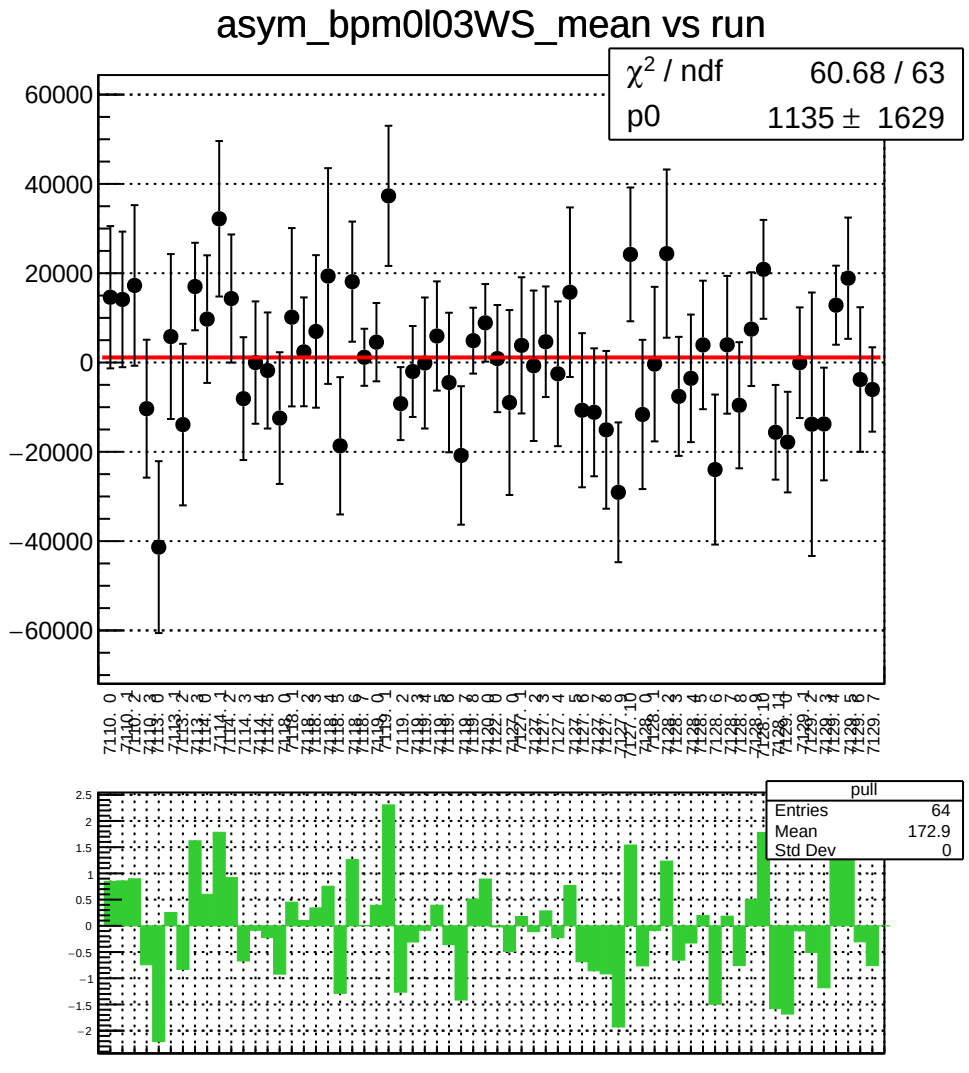

pull1D
Entries 64
Mean −0.02817
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

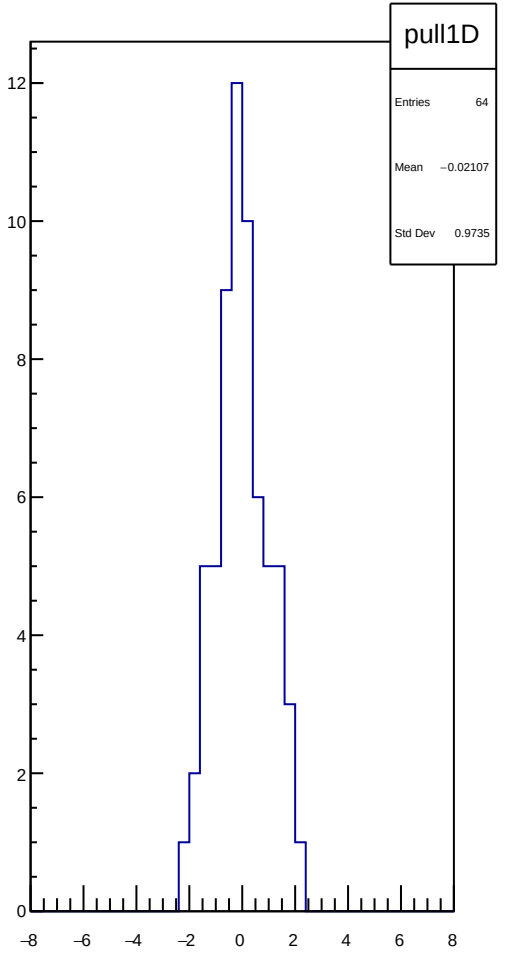

asym_bpm0l01WS_rms vs run
χ² / ndf 1.3e+04 / 63
p0 251.6 ± 0.2285
650
600
550
500
450
400
350
300
250
200

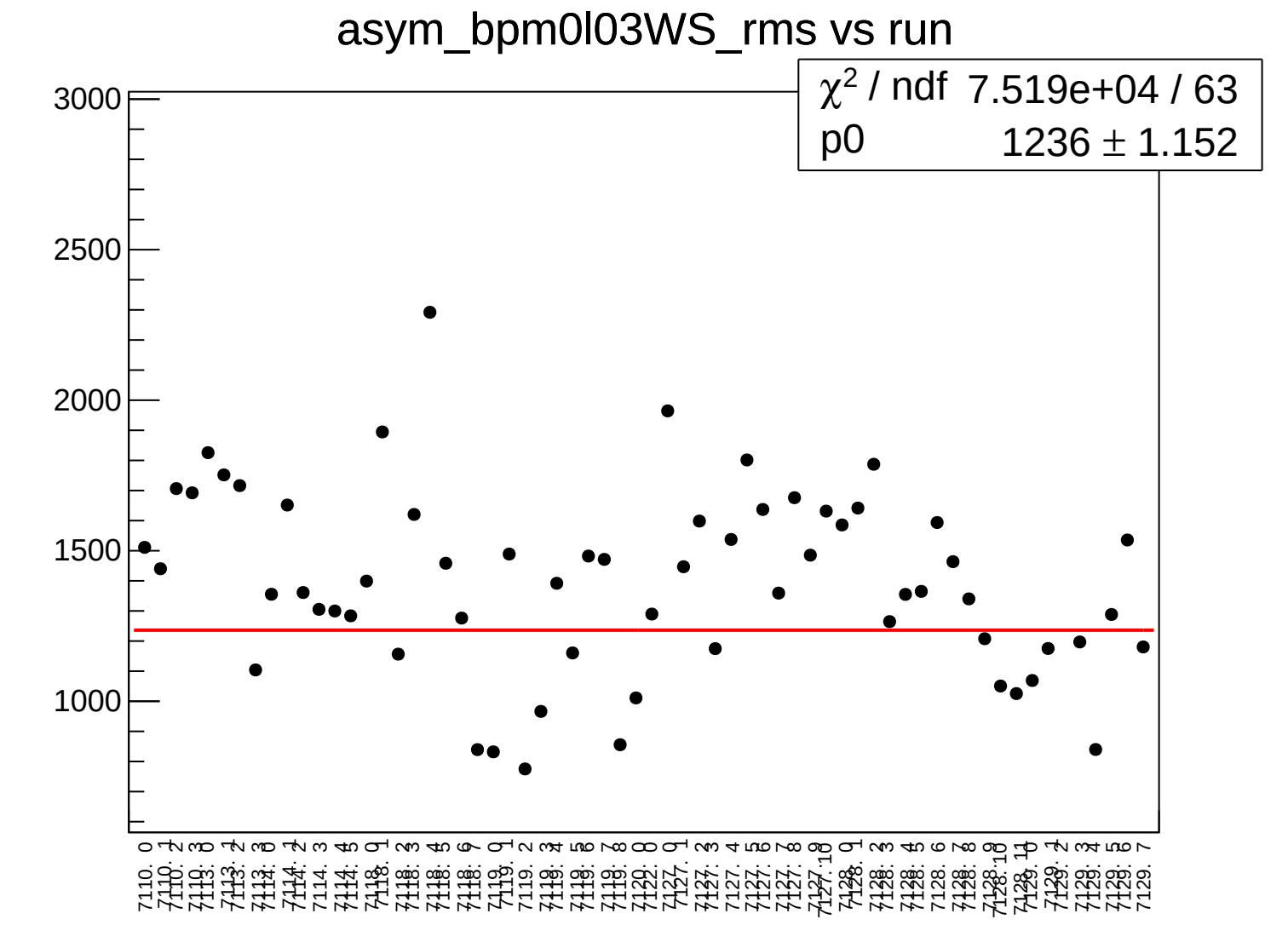

asym_bpm0l02WS_mean vs run
χ² / ndf 79.38 / 63
p0 1070 ± 515.2
pull
Entries 64
Mean 282.6
Std Dev 0

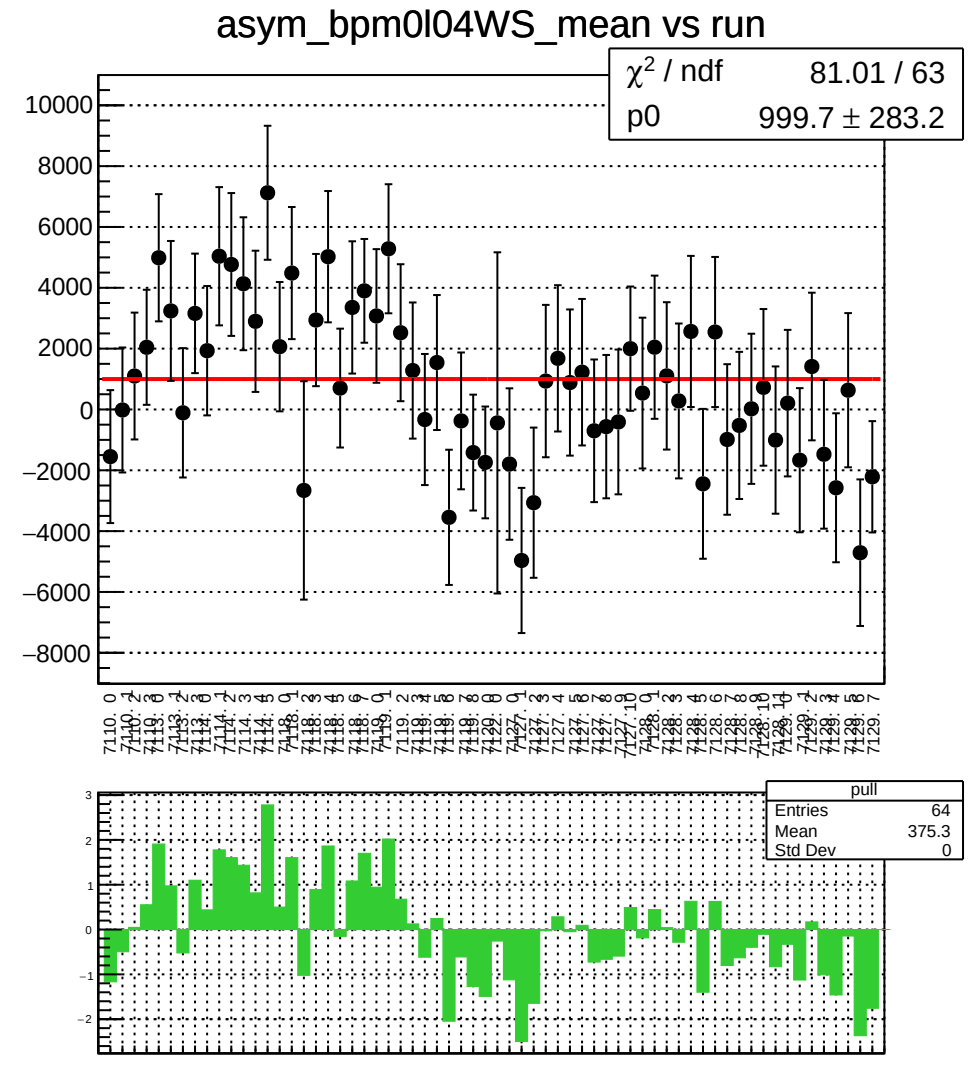

pull1D
Entries 64
Mean −0.01702
Std Dev 1.114

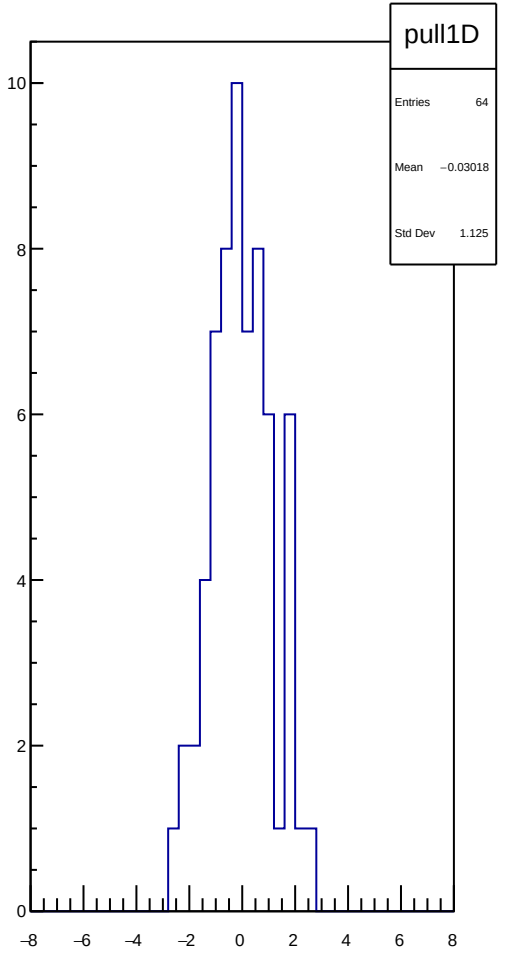

asym_bpm0l02WS_rms vs run
χ² / ndf 7139 / 63
p0 402.2 ± 0.3643
700
650
600
550
500
450
400
350

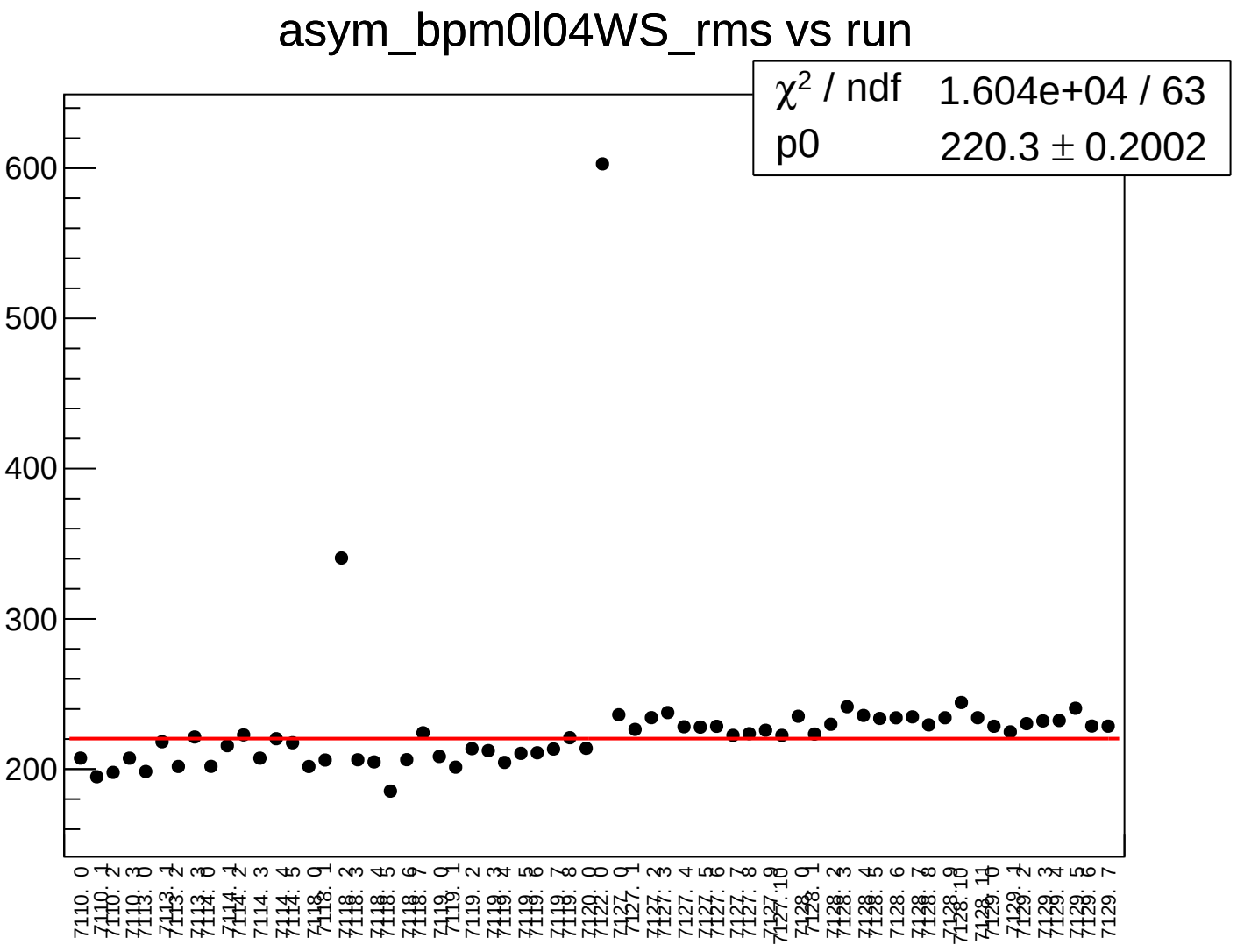

asym_bpm0l03WS_mean vs run
χ² / ndf 60.68 / 63
p0 1135 ± 1629
pull
Entries 64
Mean 172.9
Std Dev 0

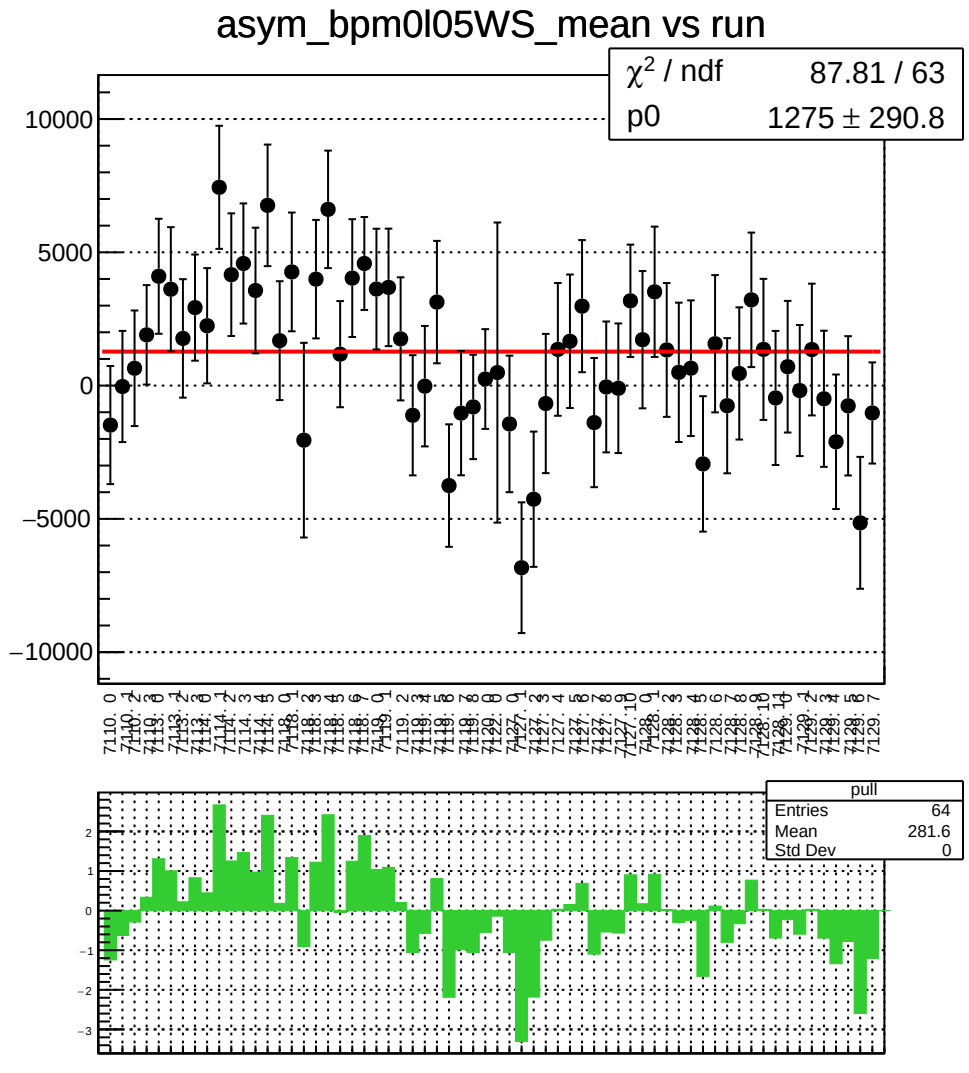

pull1D
Entries 64
Mean −0.02107
Std Dev 0.9735

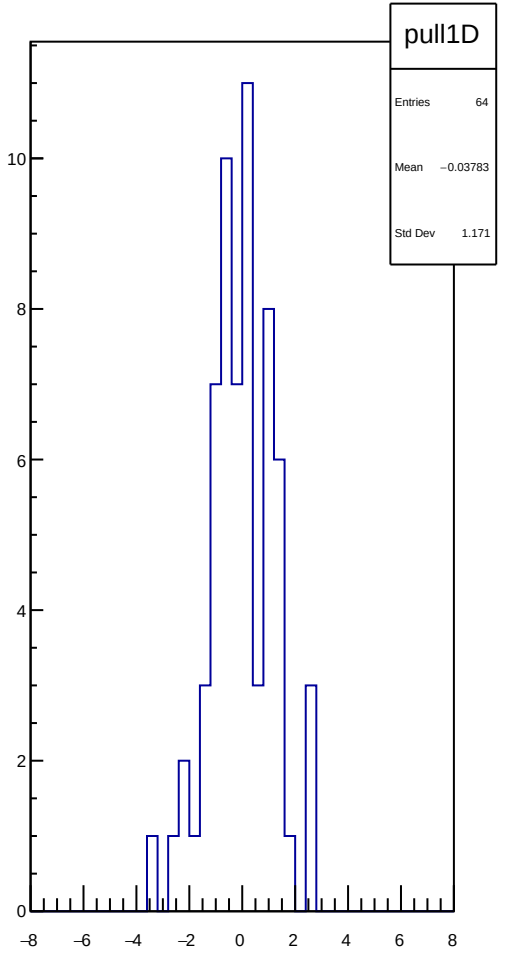

asym_bpm0l03WS_rms vs run
χ² / ndf 7.519e+04 / 63
p0 1236 ± 1.152
3000
2500
2000
1500
1000

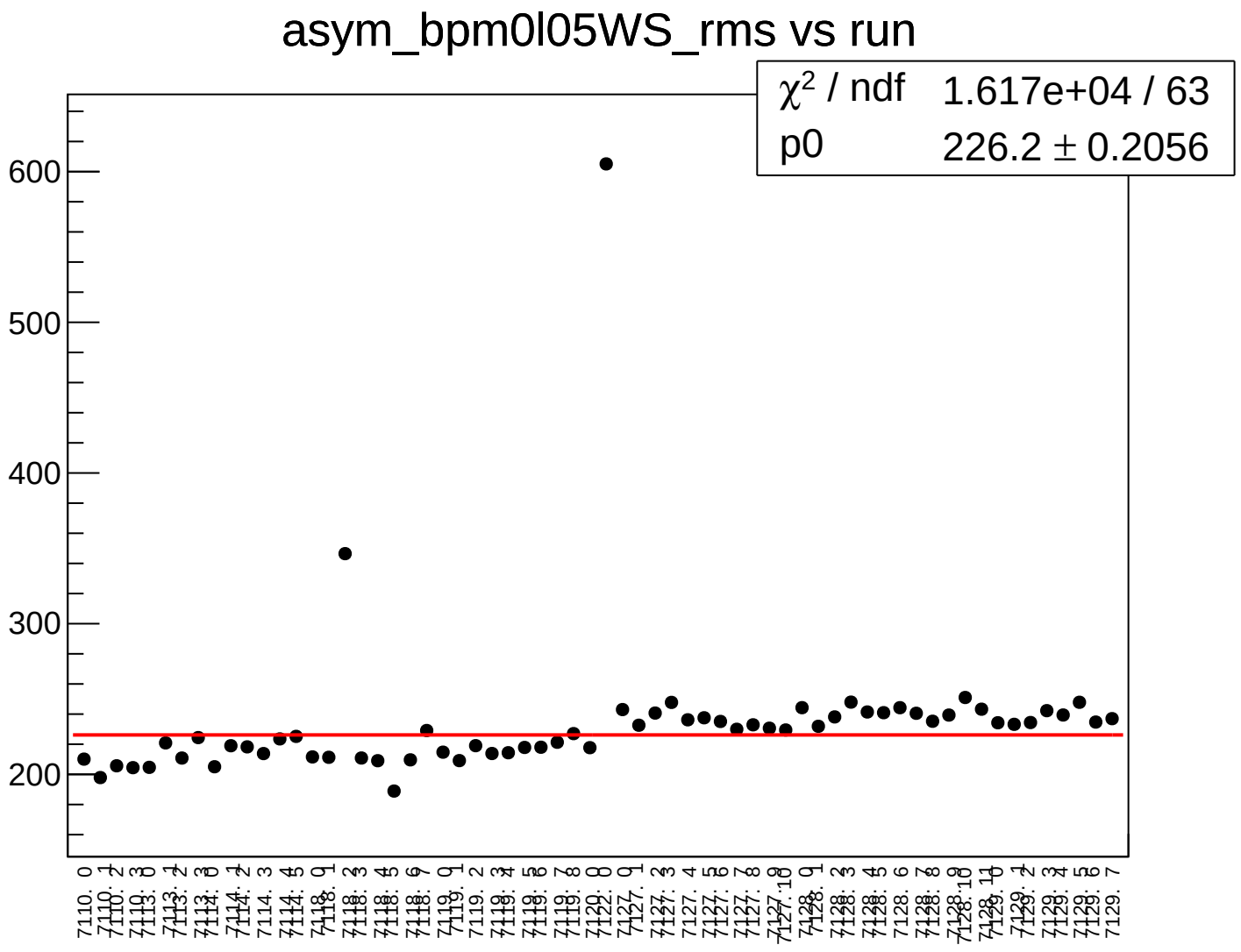

asym_bpm0l04WS_mean vs run
χ^2 / ndf 81.01 / 63
p0 999.7 ± 283.2
pull
Entries 64
Mean 375.3
Std Dev 0

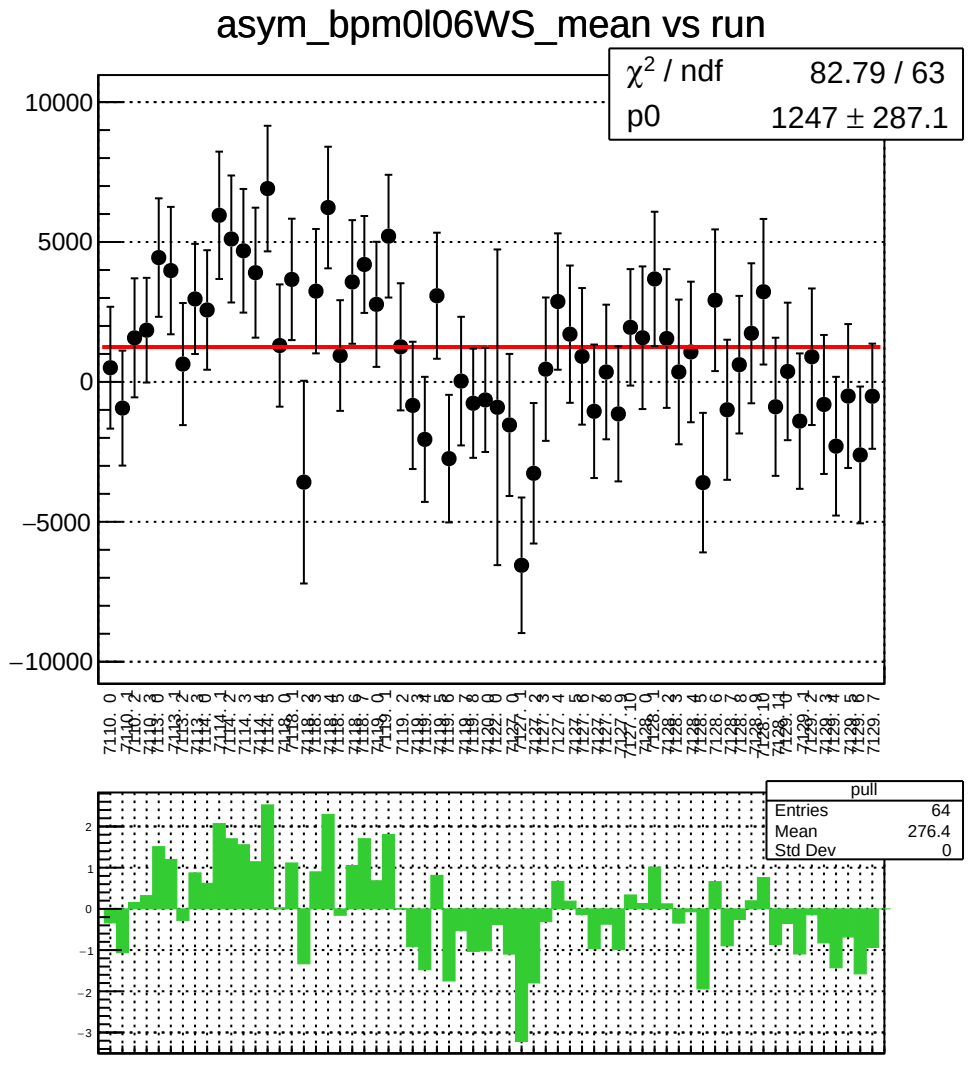

pull1D
Entries 64
Mean −0.03018
Std Dev 1.125

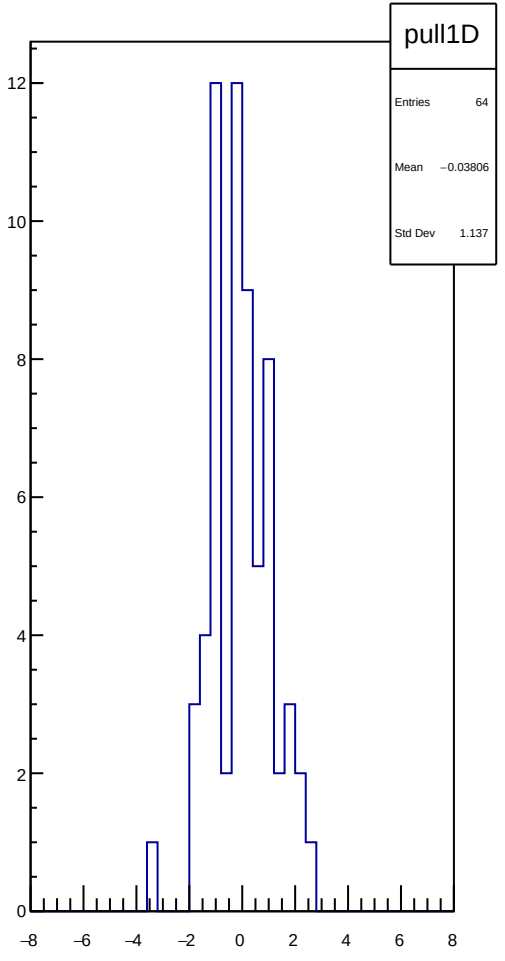

asym_bpm0l04WS_rms vs run
χ^2 / ndf 1.604e+04 / 63
p0 220.3 ± 0.2002
600
500
400
300
200

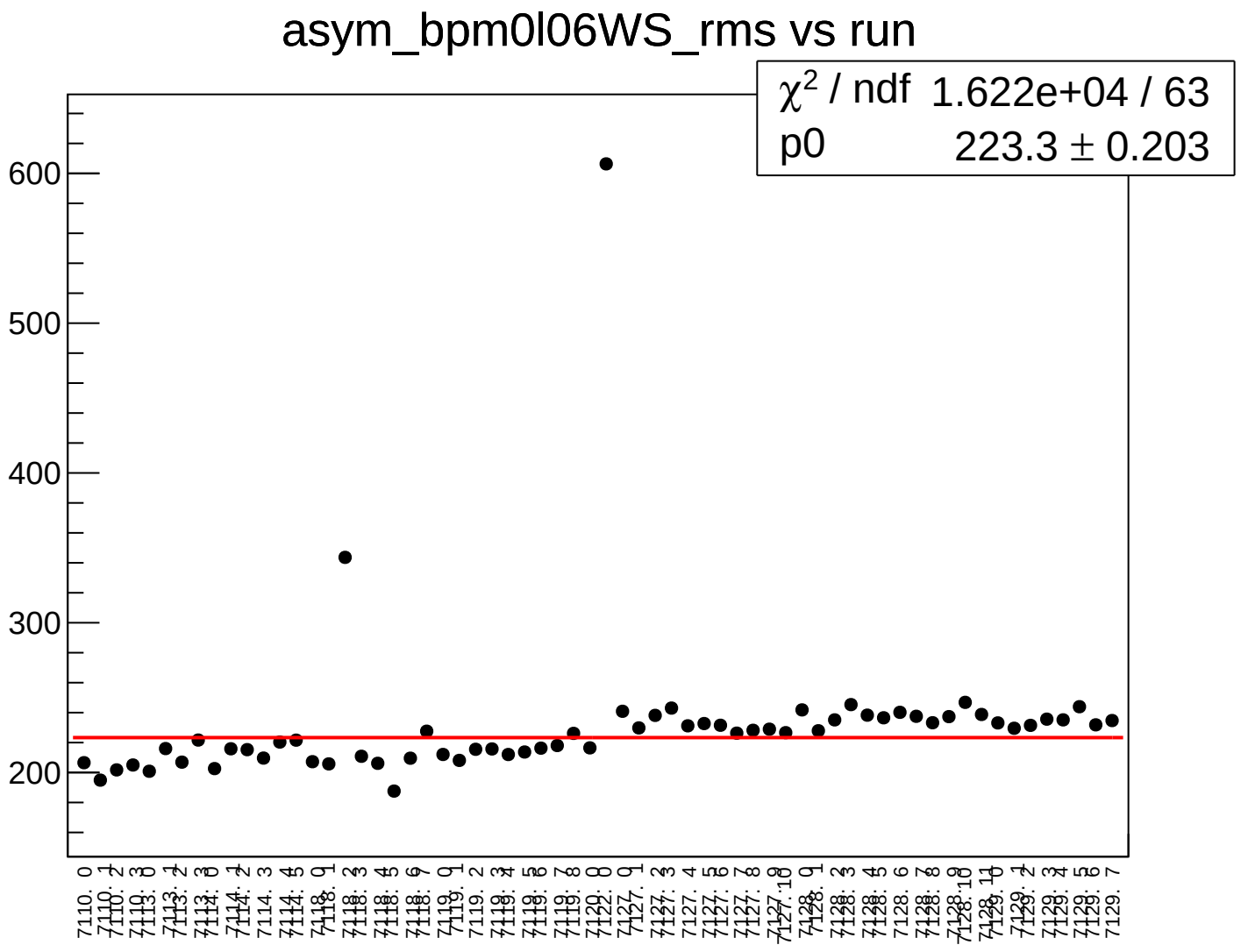

asym_bpm0l05WS_mean vs run
χ² / ndf 87.81 / 63
p0 1275 ± 290.8
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 281.6
Std Dev 0
2
1
0
−1
−2
−3

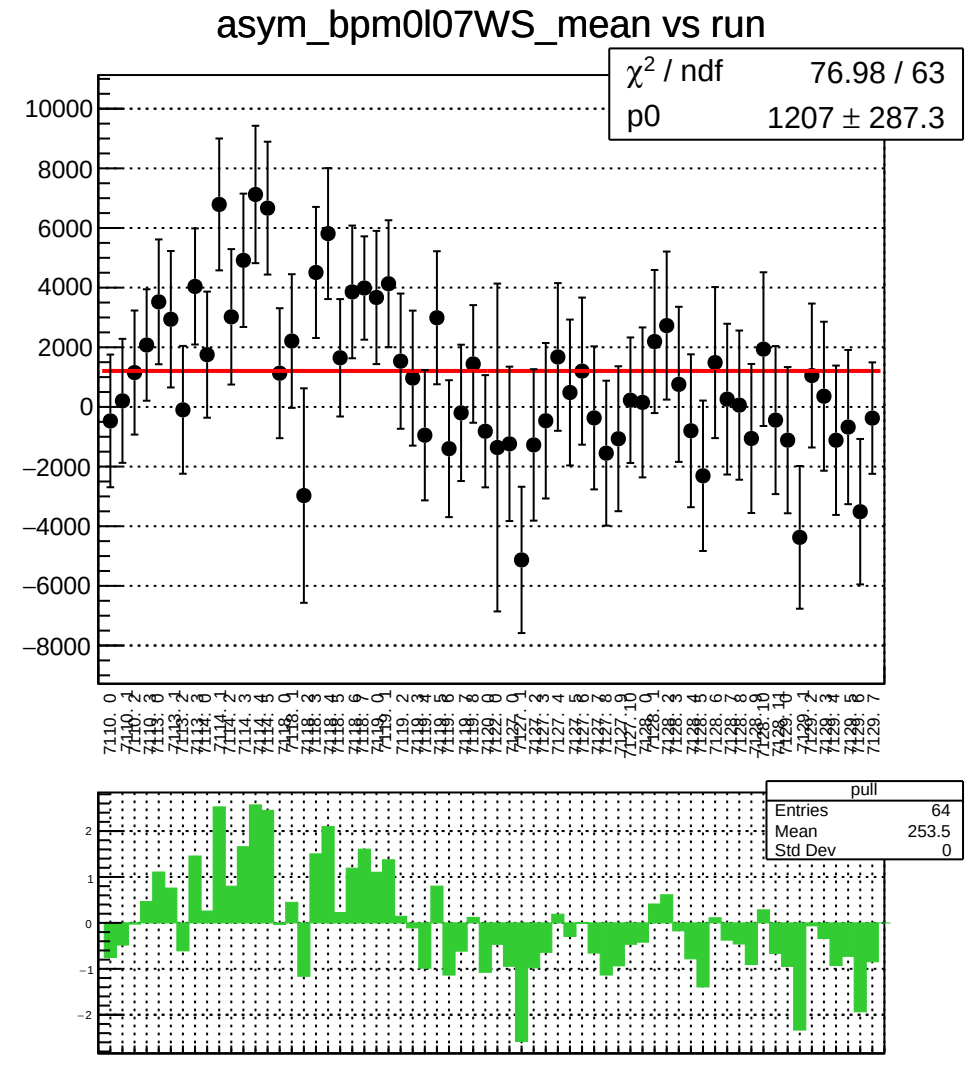

pull1D
Entries 64
Mean −0.03783
Std Dev 1.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

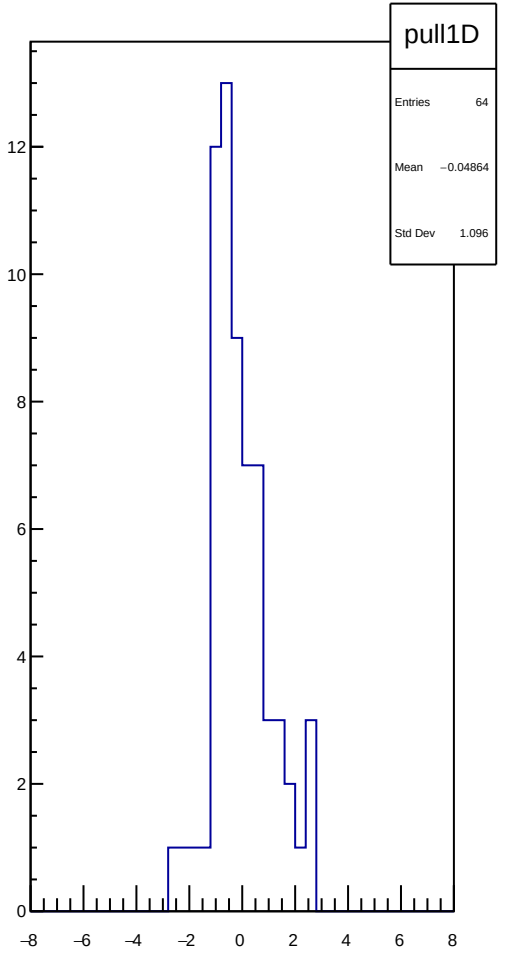

asym_bpm0l05WS_rms vs run
χ² / ndf 1.617e+04 / 63
p0 226.2 ± 0.2056
600
500
400
300
200

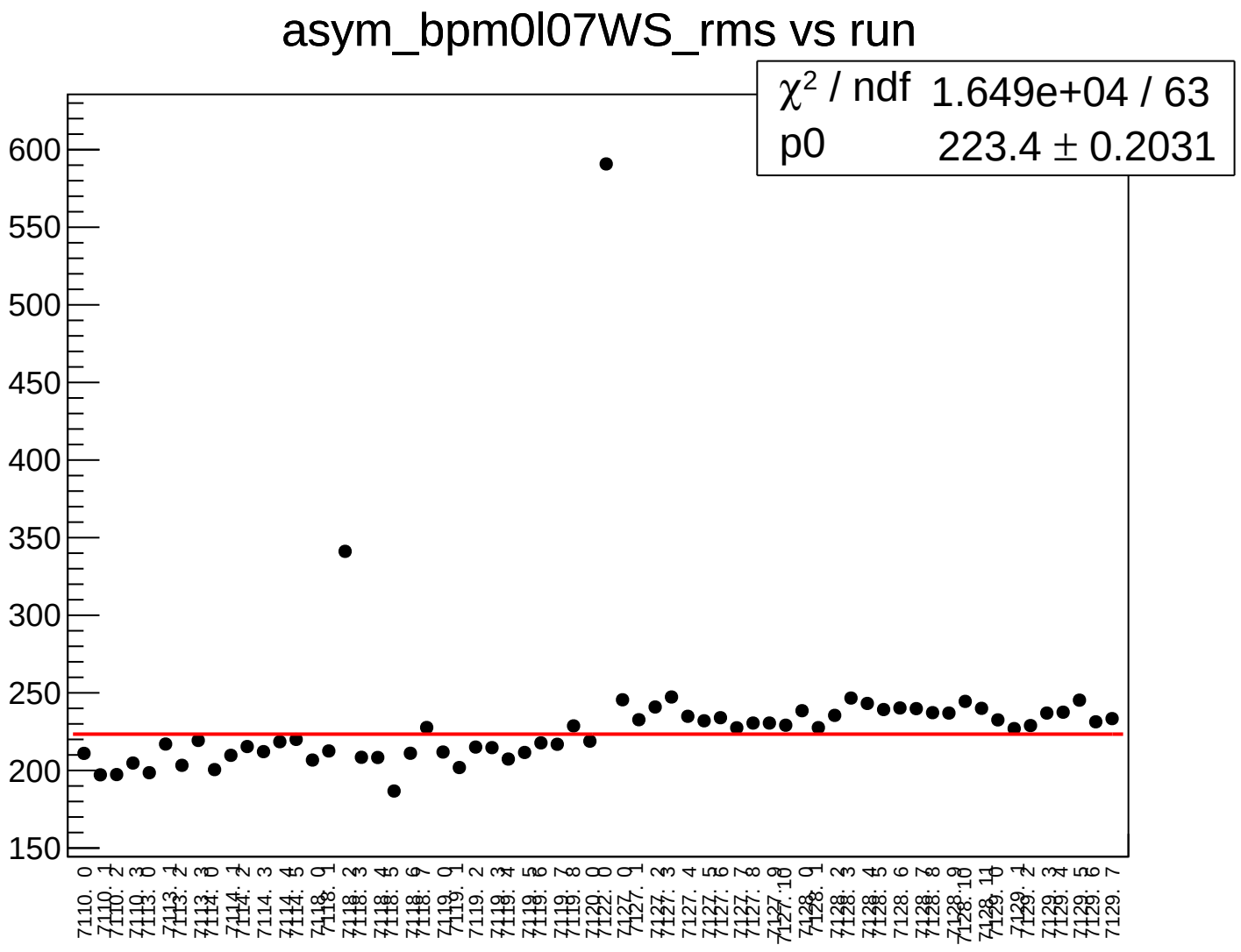

asym_bpm0l06WS_mean vs run
χ² / ndf 82.79 / 63
p0 1247 ± 287.1
pull
Entries 64
Mean 276.4
Std Dev 0

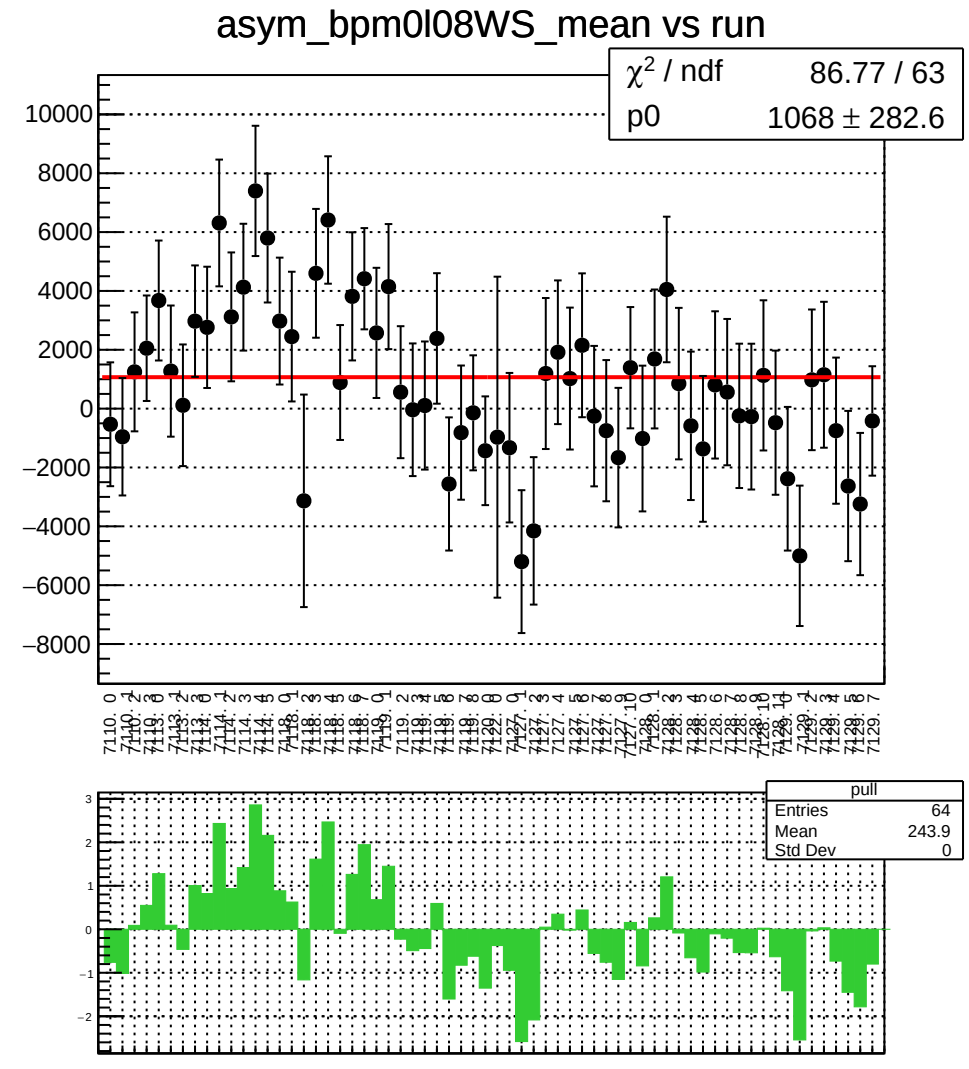

pull1D
Entries 64
Mean −0.03806
Std Dev 1.137

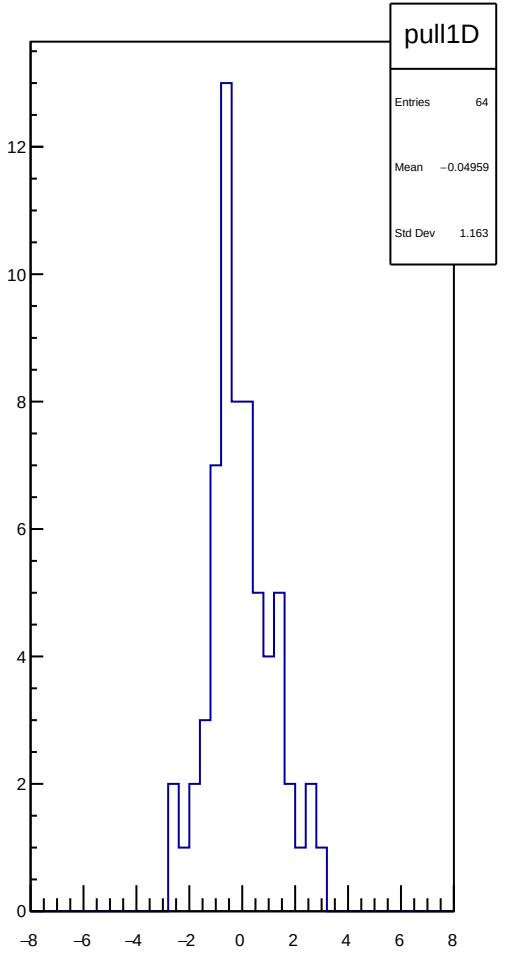

asym_bpm0l06WS_rms vs run
χ^2 / ndf 1.622e+04 / 63
p0 223.3 ± 0.203
600
500
400
300
200

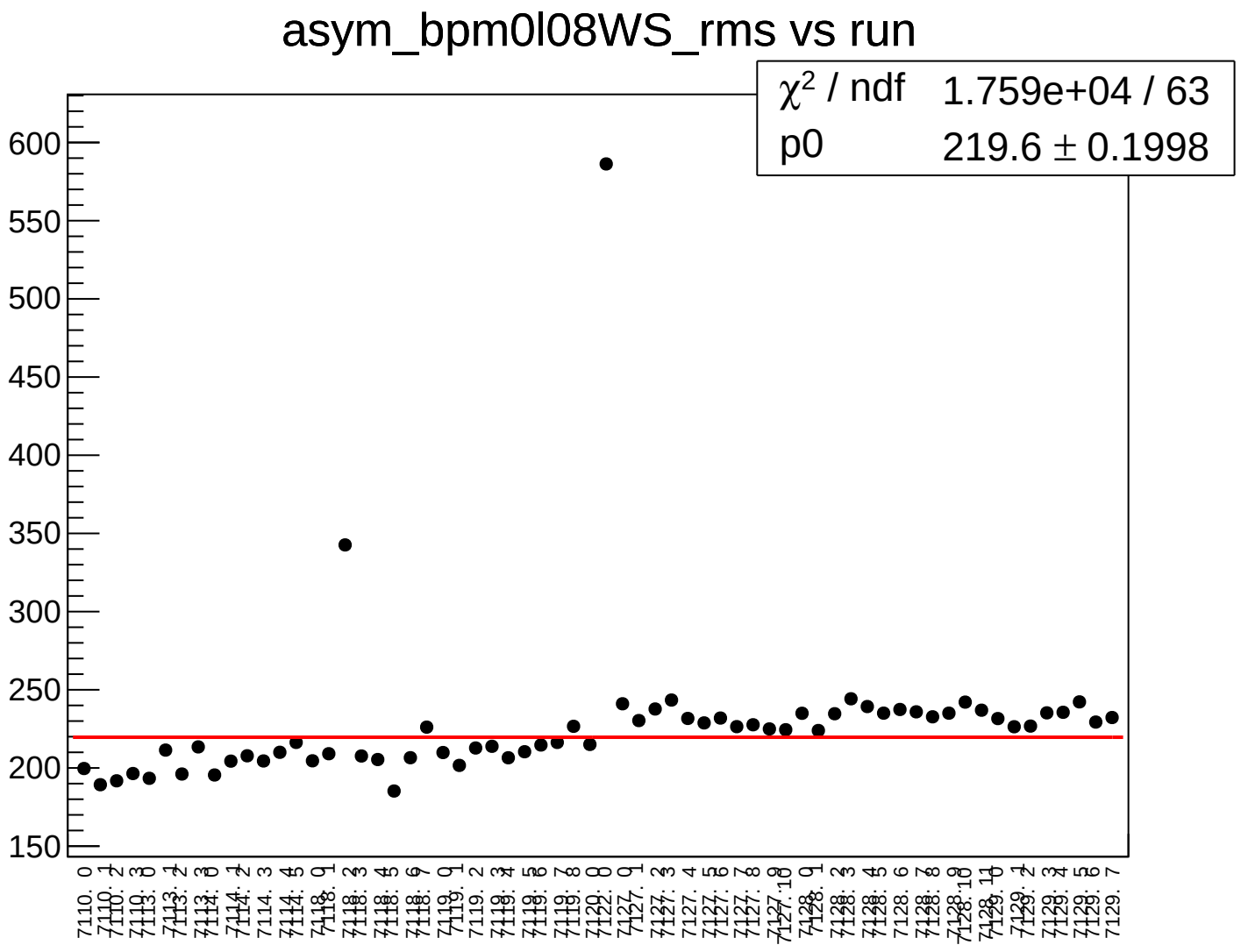

asym_bpm0l07WS_mean vs run
χ² / ndf 76.98 / 63
p0 1207 ± 287.3
pull
Entries 64
Mean 253.5
Std Dev 0

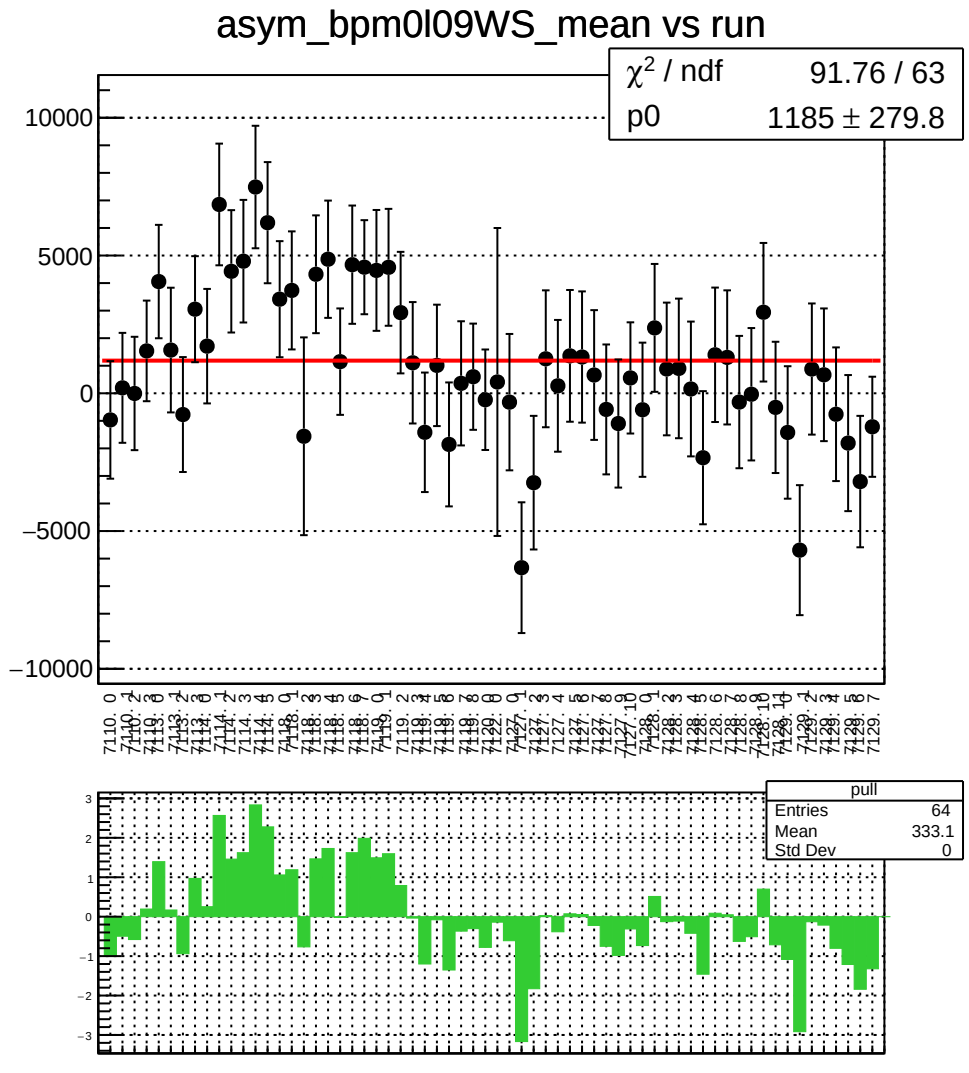

pull1D
Entries 64
Mean −0.04864
Std Dev 1.096

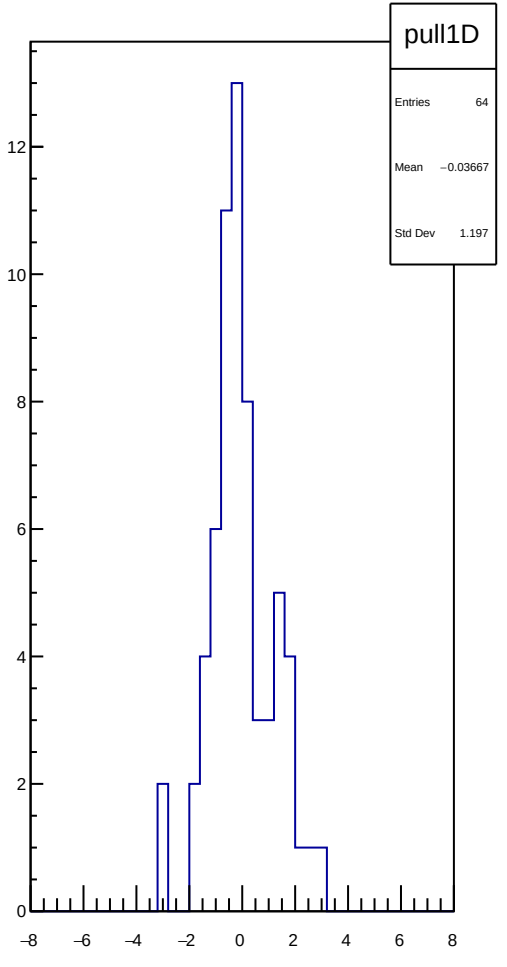

asym_bpm0l07WS_rms vs run
χ² / ndf 1.649e+04 / 63
p0 223.4 ± 0.2031
600
550
500
450
400
350
300
250
200
150

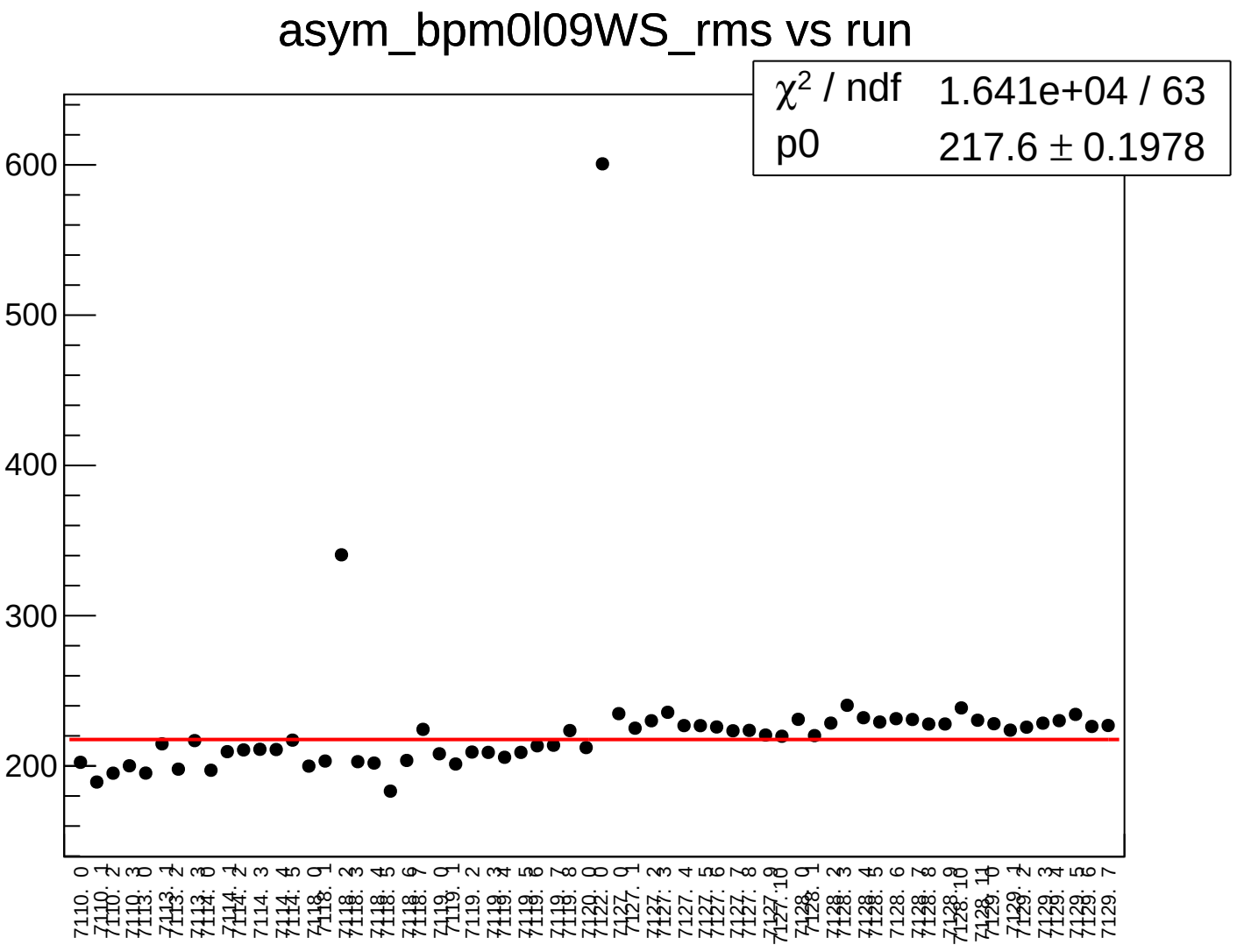

asym_bpm0l08WS_mean vs run
χ² / ndf 86.77 / 63
p0 1068 ± 282.6
pull
Entries 64
Mean 243.9
Std Dev 0

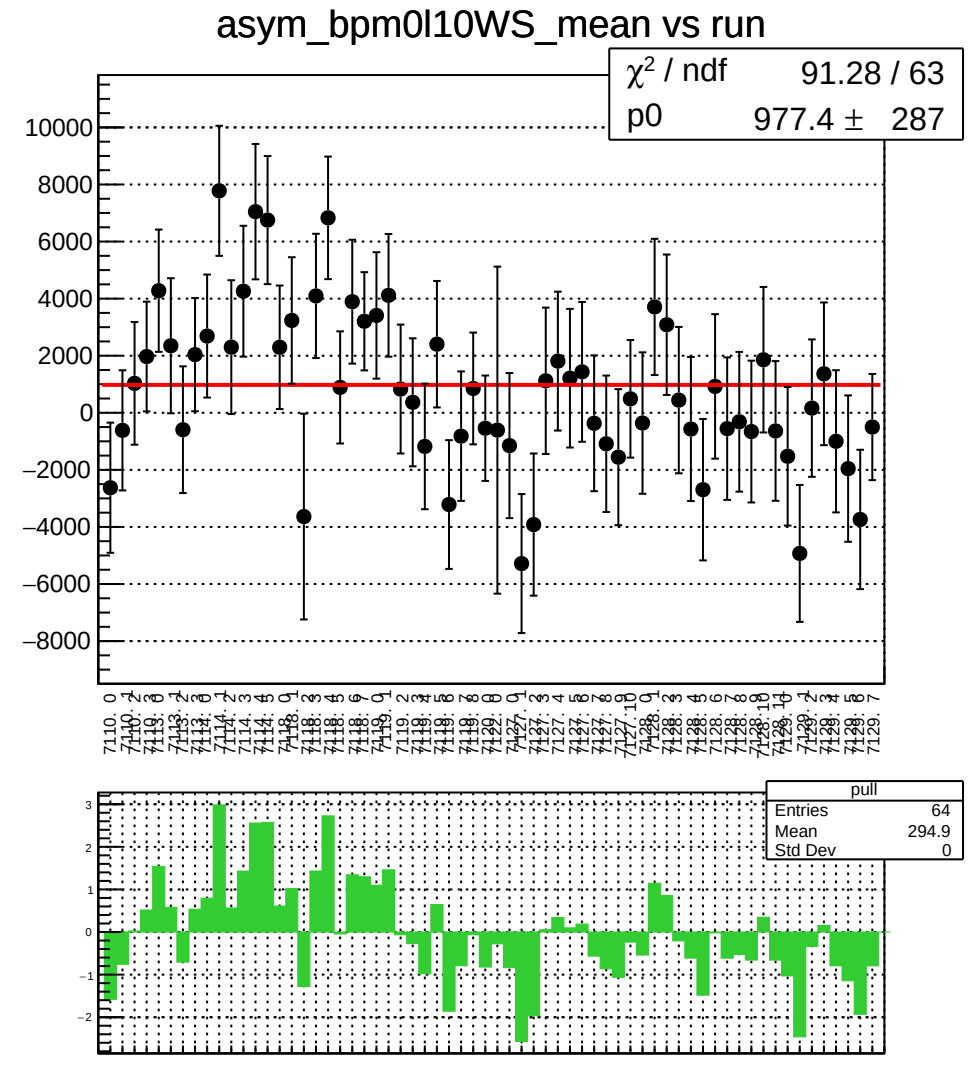

pull1D
Entries 64
Mean −0.04959
Std Dev 1.163

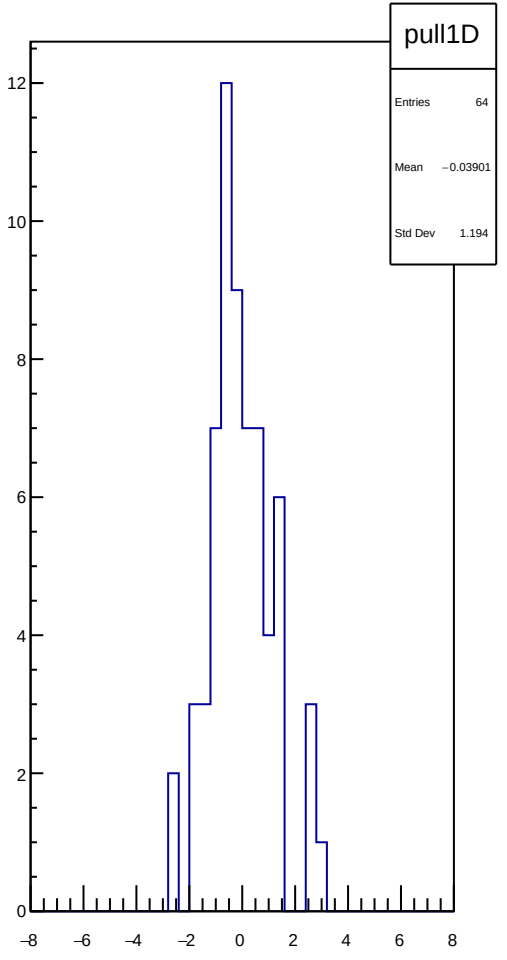

asym_bpm0l08WS_rms vs run
χ^2 / ndf 1.759e+04 / 63
p0 219.6 ± 0.1998
600
550
500
450
400
350
300
250
200
150

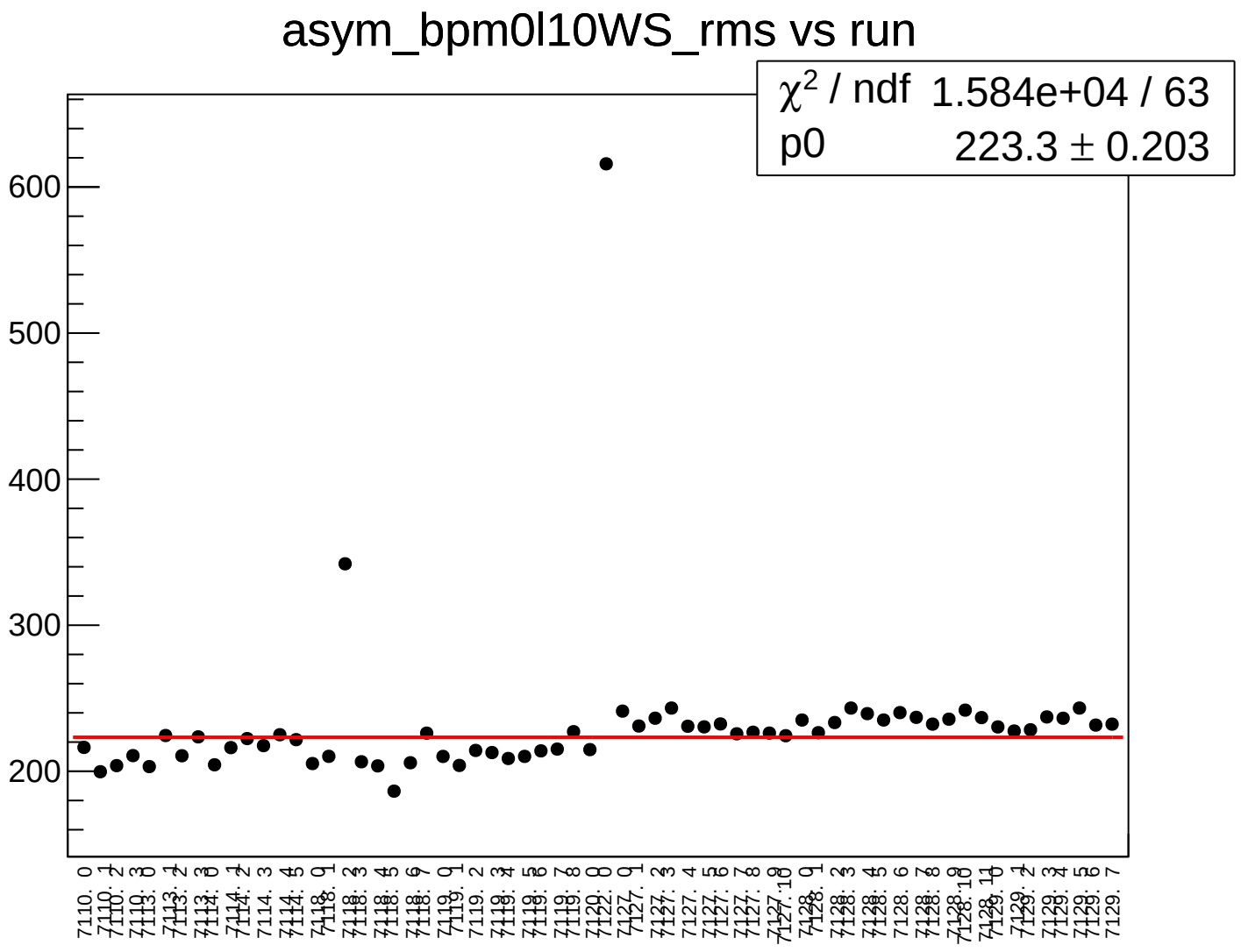

asym_bpm0l09WS_mean vs run
χ² / ndf 91.76 / 63
p0 1185 ± 279.8
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 333.1
Std Dev 0
3
2
1
0
−1
−2
−3

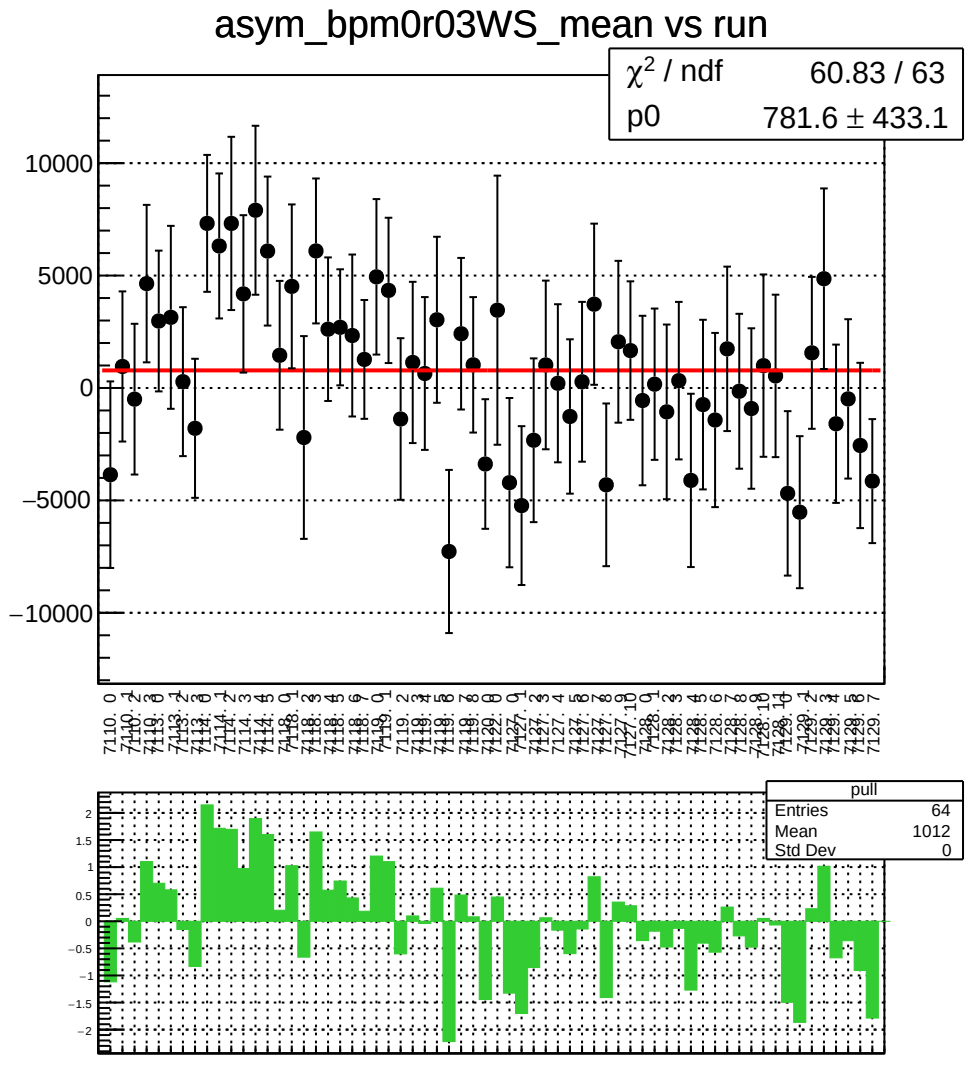

pull1D
Entries 64
Mean −0.03667
Std Dev 1.197
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

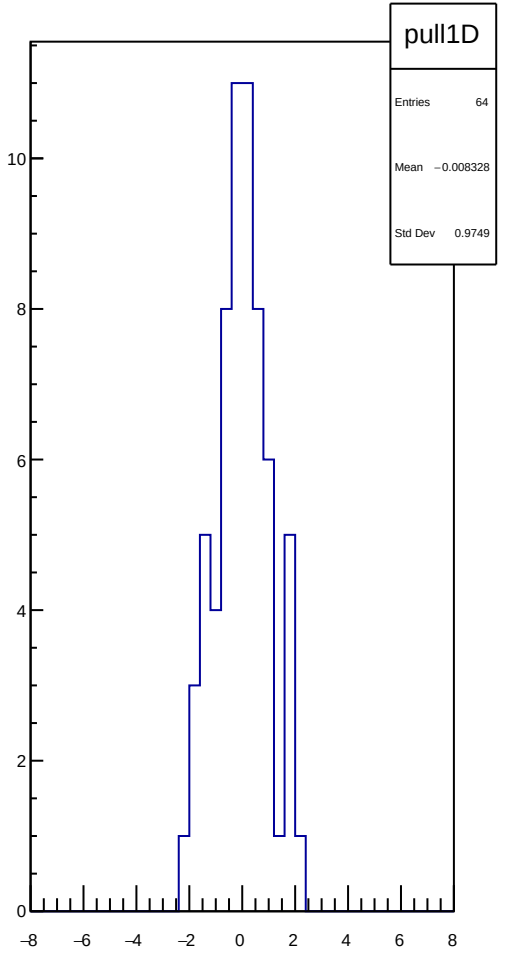

asym_bpm0l09WS_rms vs run
χ² / ndf 1.641e+04 / 63
p0 217.6 ± 0.1978
600
500
400
300
200

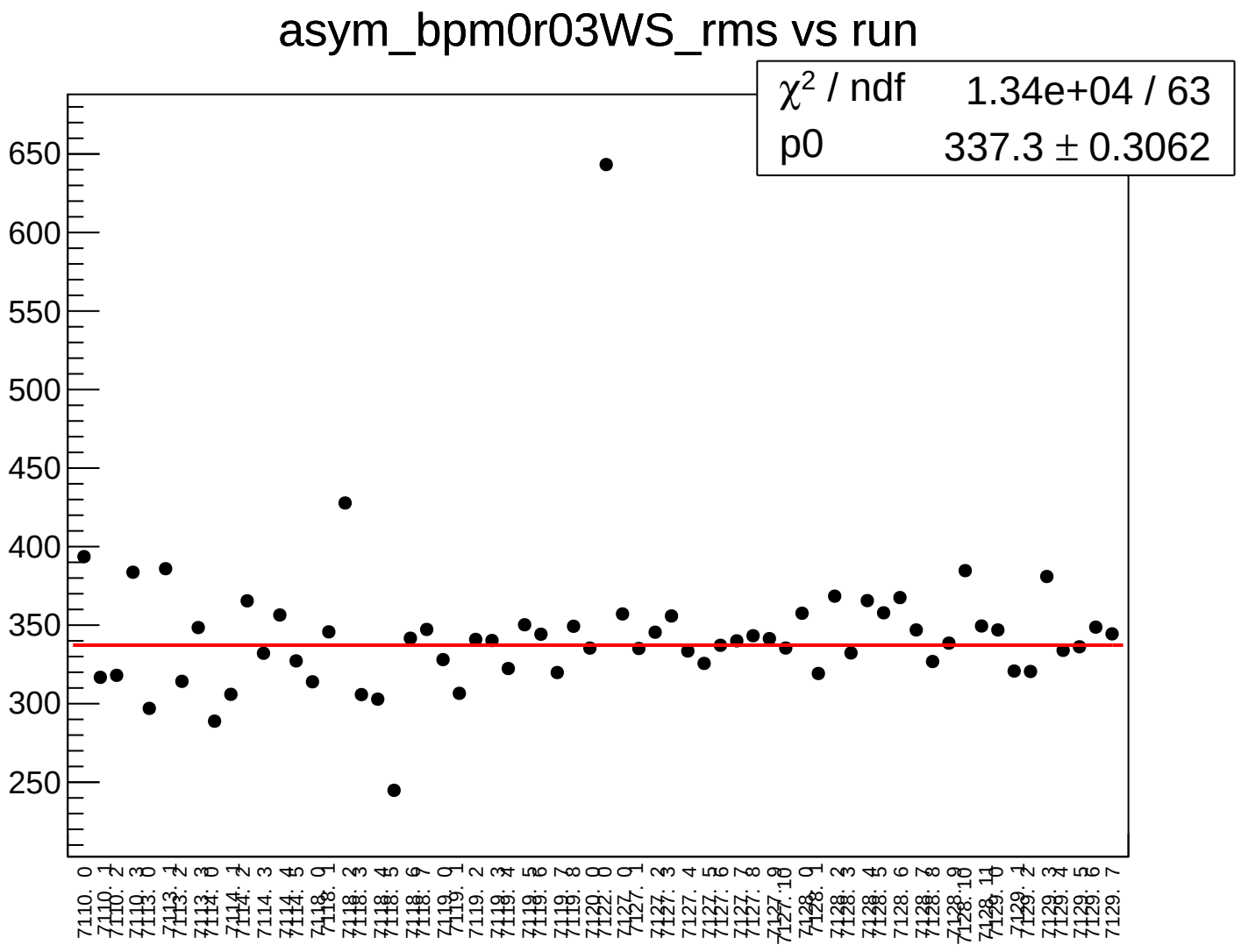

asym_bpm0l10WS_mean vs run
χ² / ndf 91.28 / 63
p0 977.4 ± 287
pull
Entries 64
Mean 294.9
Std Dev 0

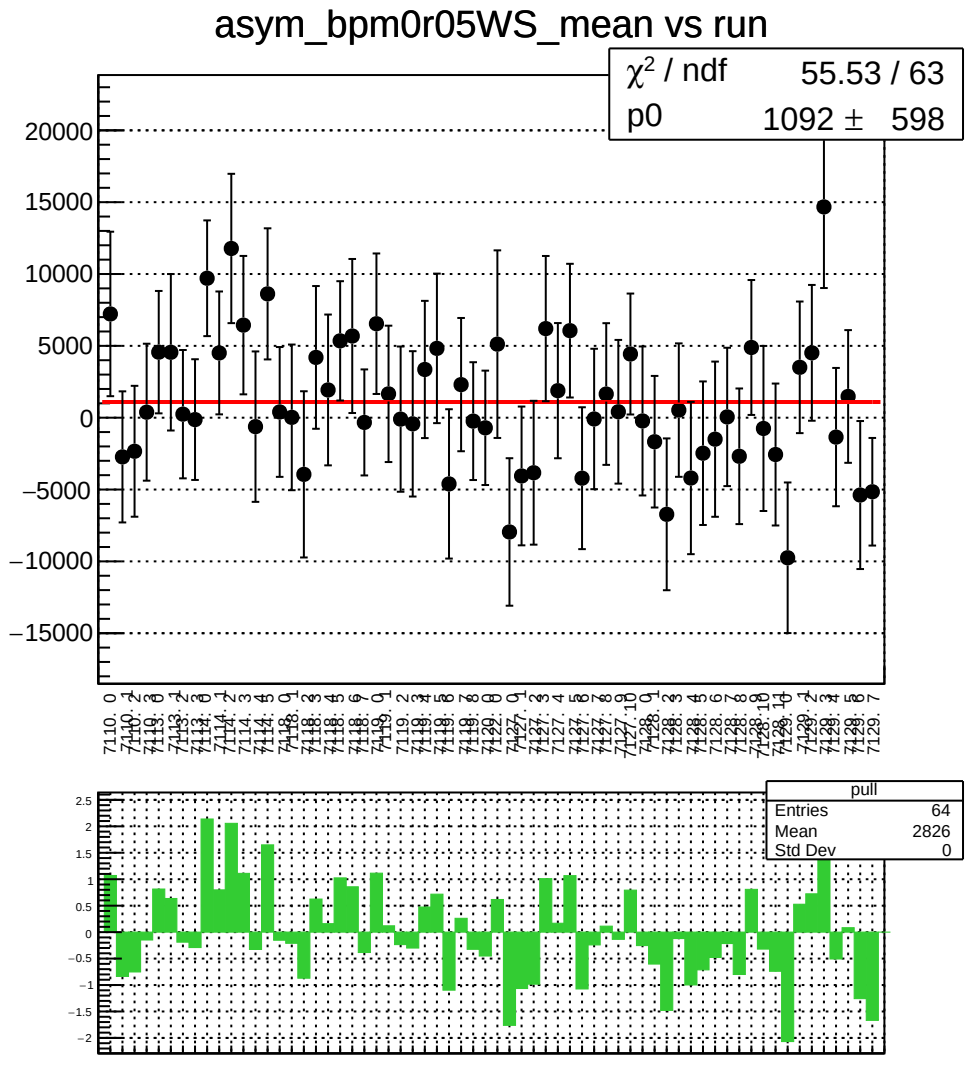

pull1D
Entries 64
Mean −0.03901
Std Dev 1.194

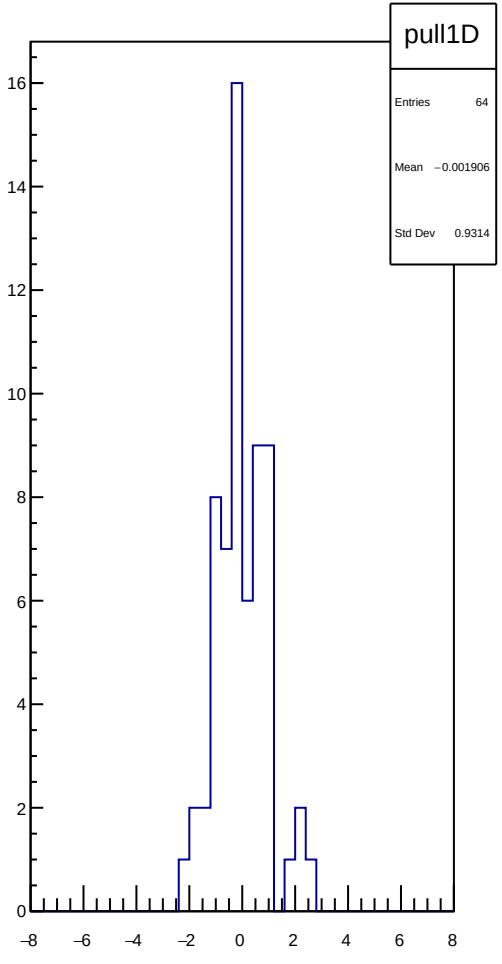

asym_bpm0l10WS_rms vs run
χ^2 / ndf 1.584e+04 / 63
p0 223.3 ± 0.203
600
500
400
300
200

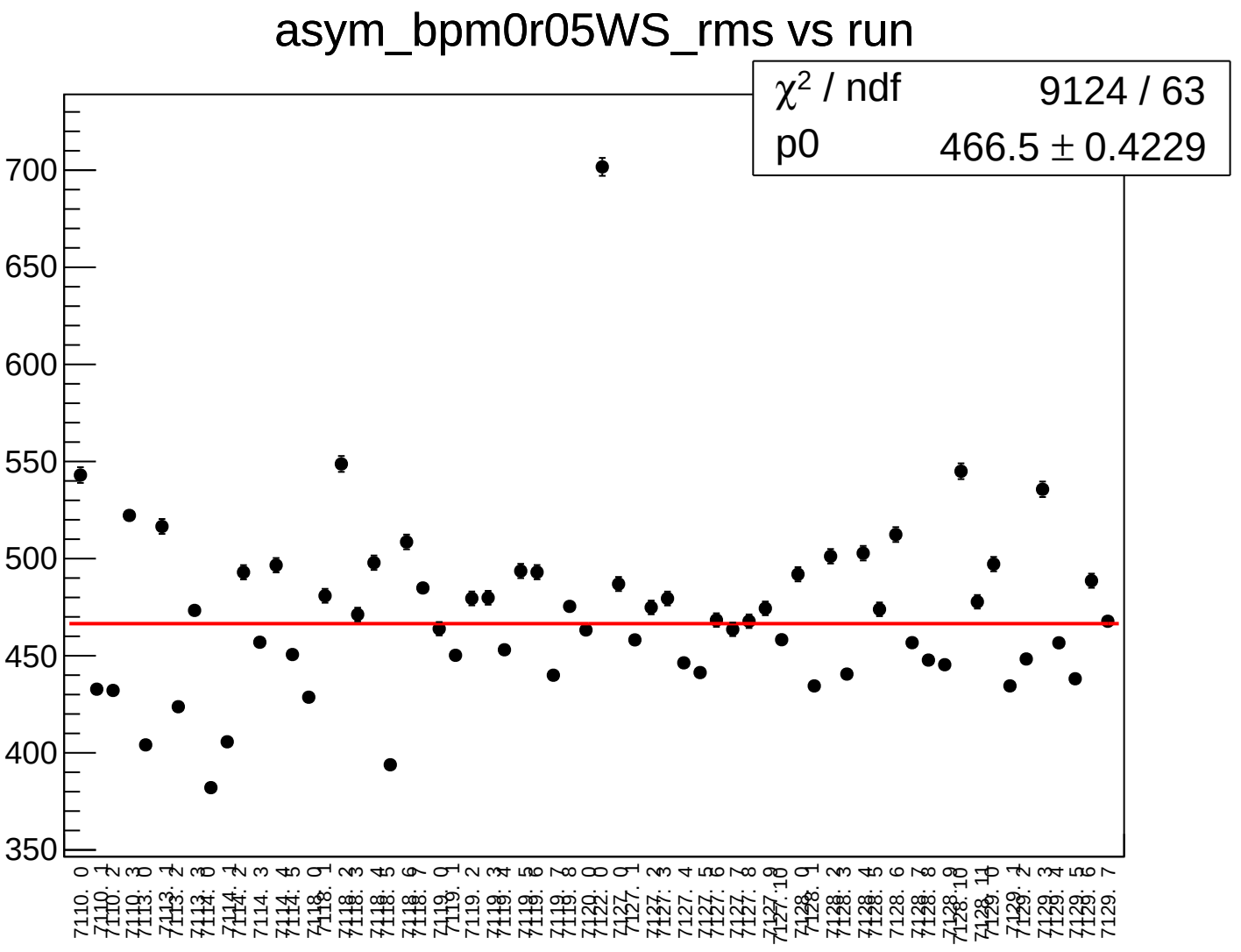

asym_bpm0r03WS_mean vs run
χ² / ndf 60.83 / 63
p0 781.6 ± 433.1
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 1012
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

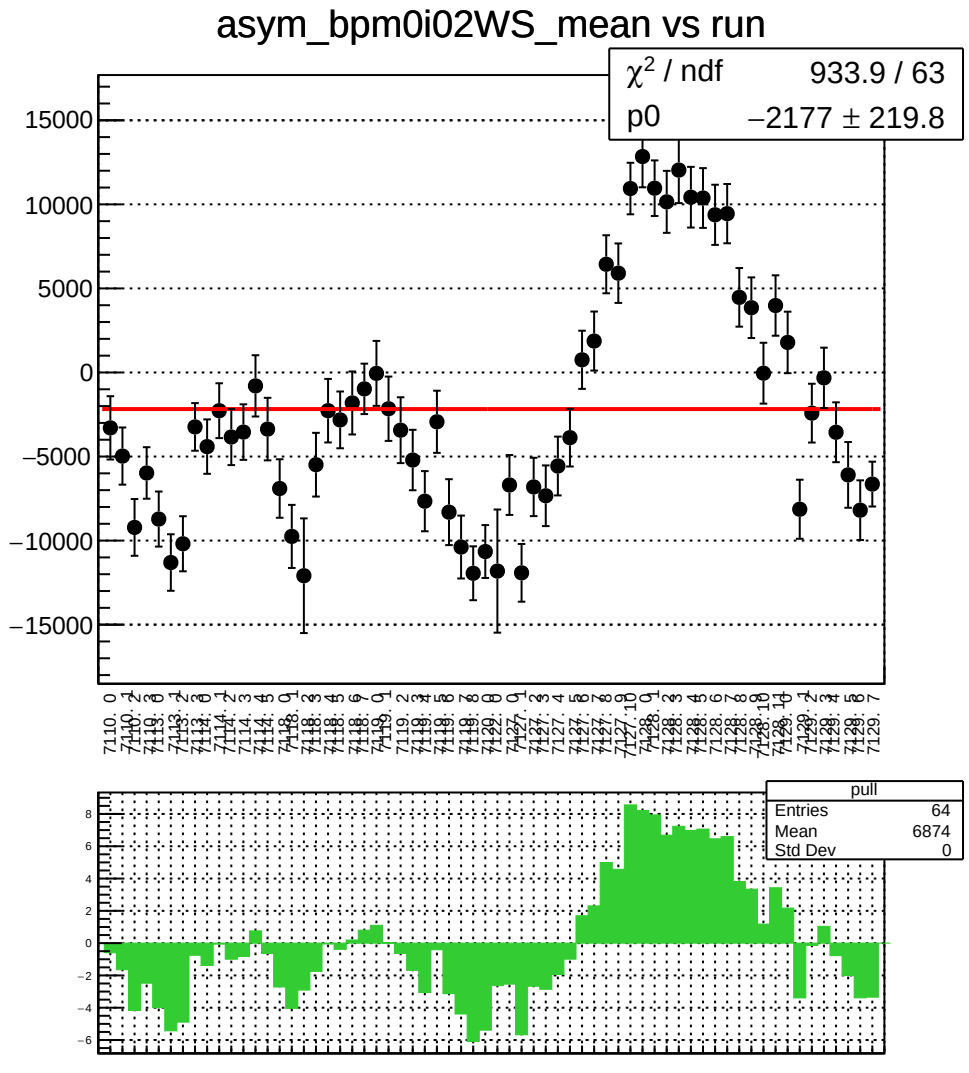

pull1D
Entries 64
Mean −0.008328
Std Dev 0.9749
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

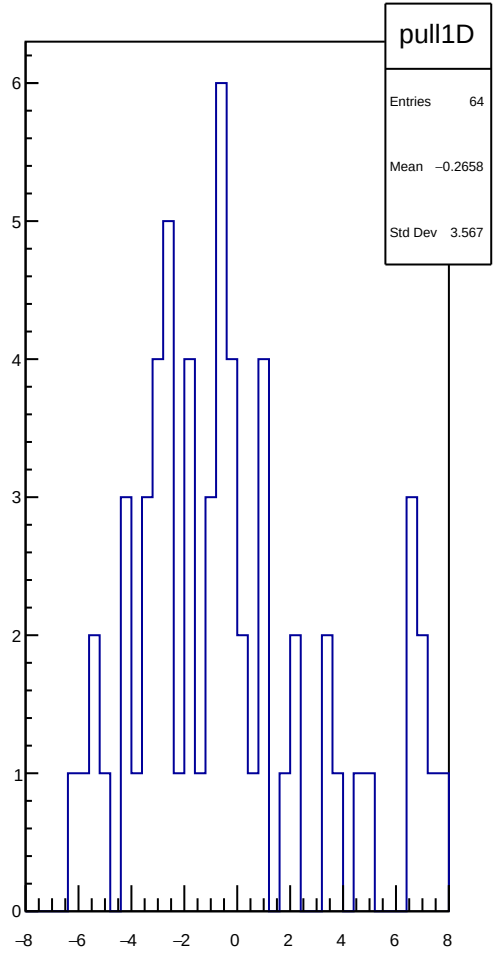

asym_bpm0r03WS_rms vs run
χ² / ndf 1.34e+04 / 63
p0 337.3 ± 0.3062
650
600
550
500
450
400
350
300
250

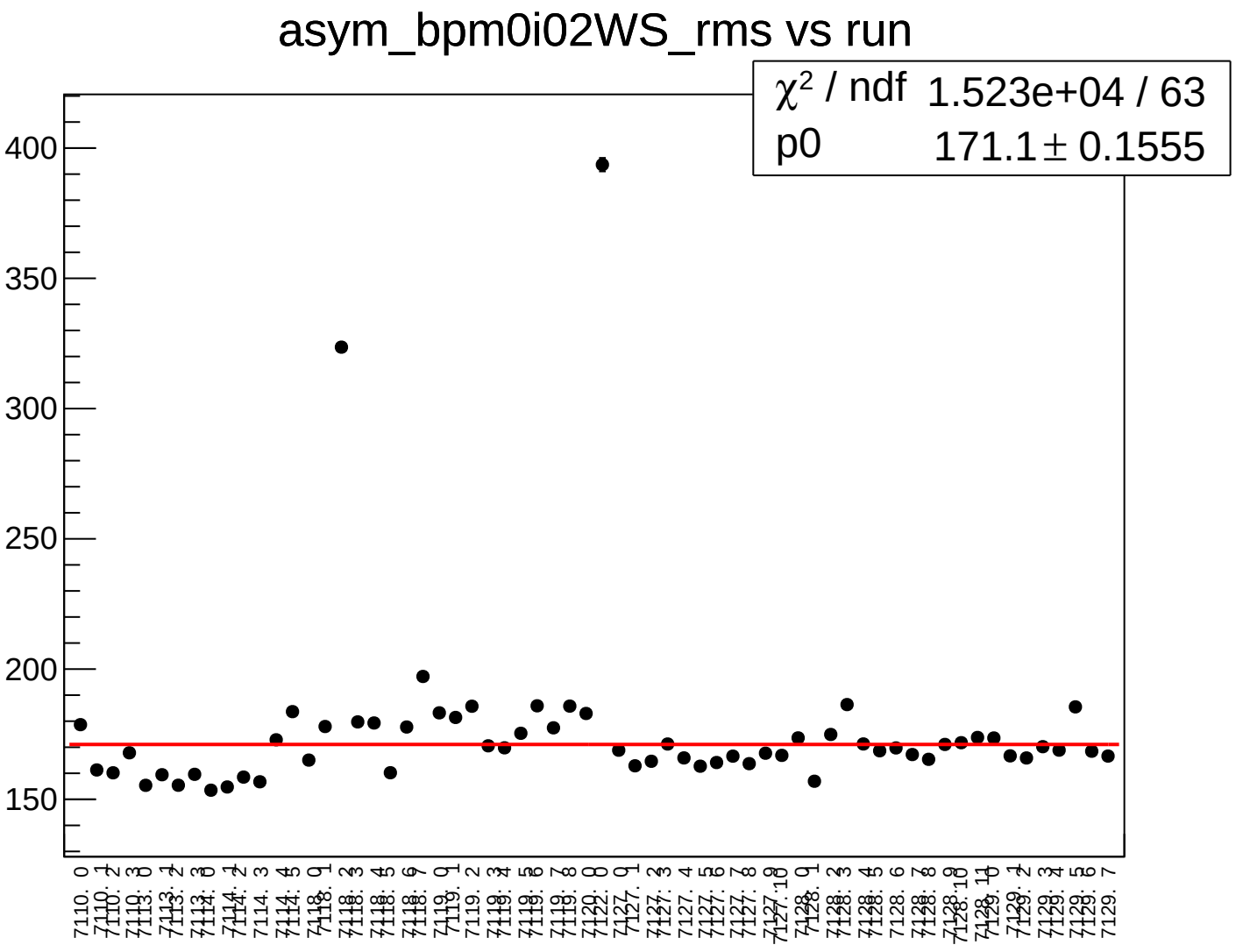

asym_bpm0r05WS_mean vs run
χ² / ndf 55.53 / 63
p0 1092 ± 598
pull
Entries 64
Mean 2826
Std Dev 0

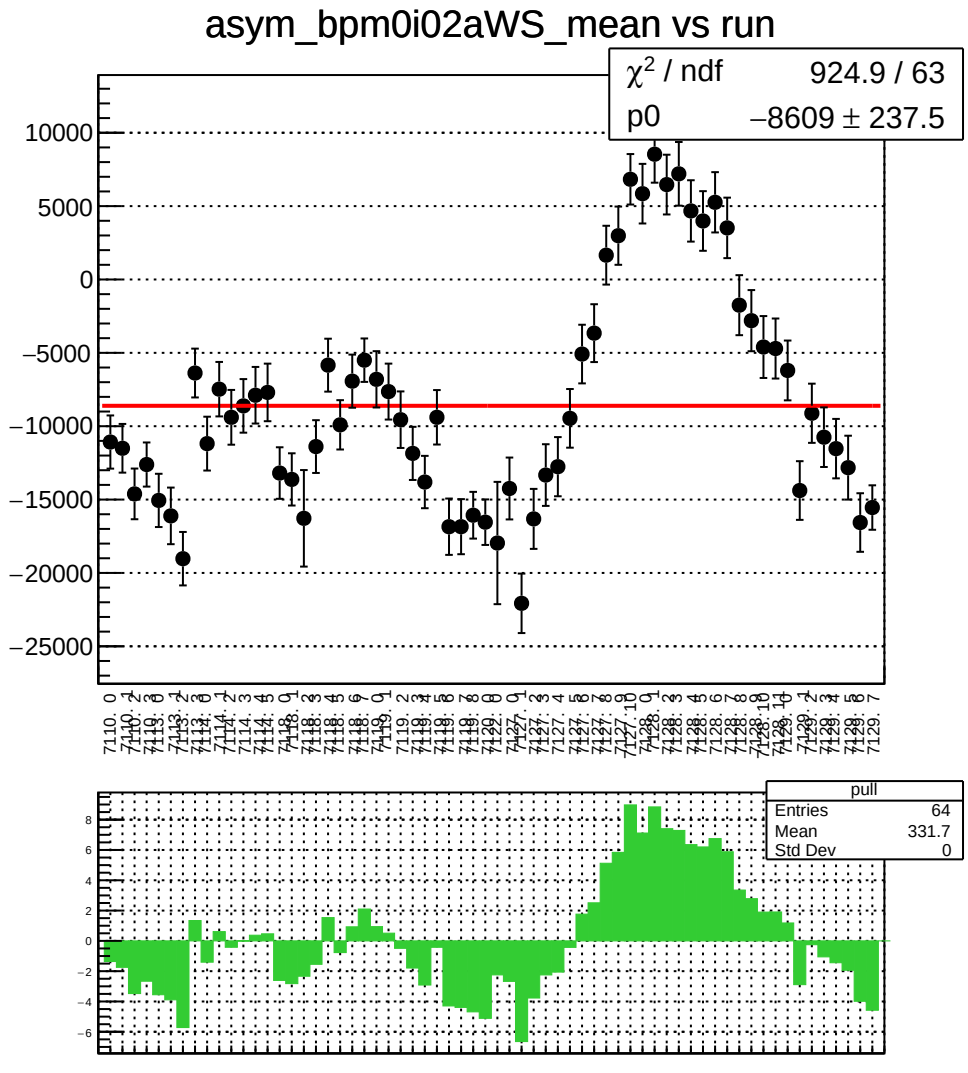

pull1D
Entries 64
Mean −0.001906
Std Dev 0.9314

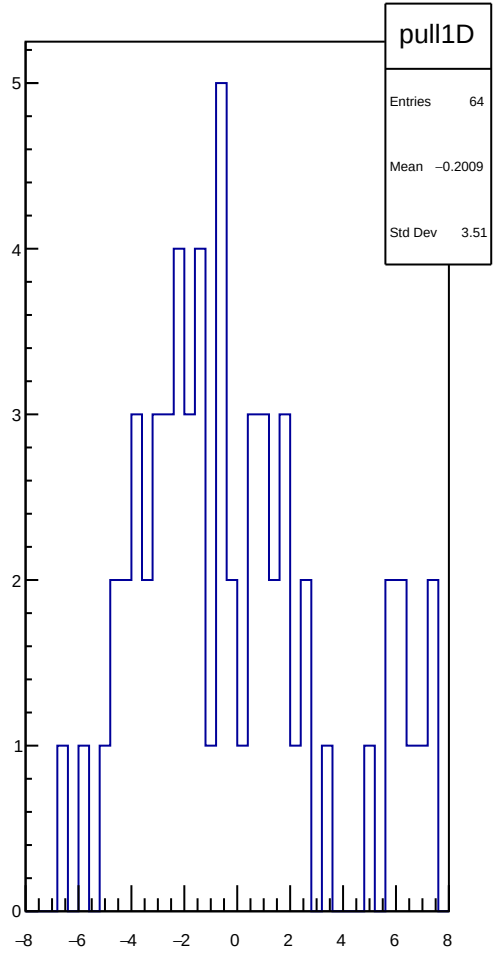

asym_bpm0r05WS_rms vs run
χ² / ndf 9124 / 63
p0 466.5 ± 0.4229
700
650
600
550
500
450
400
350

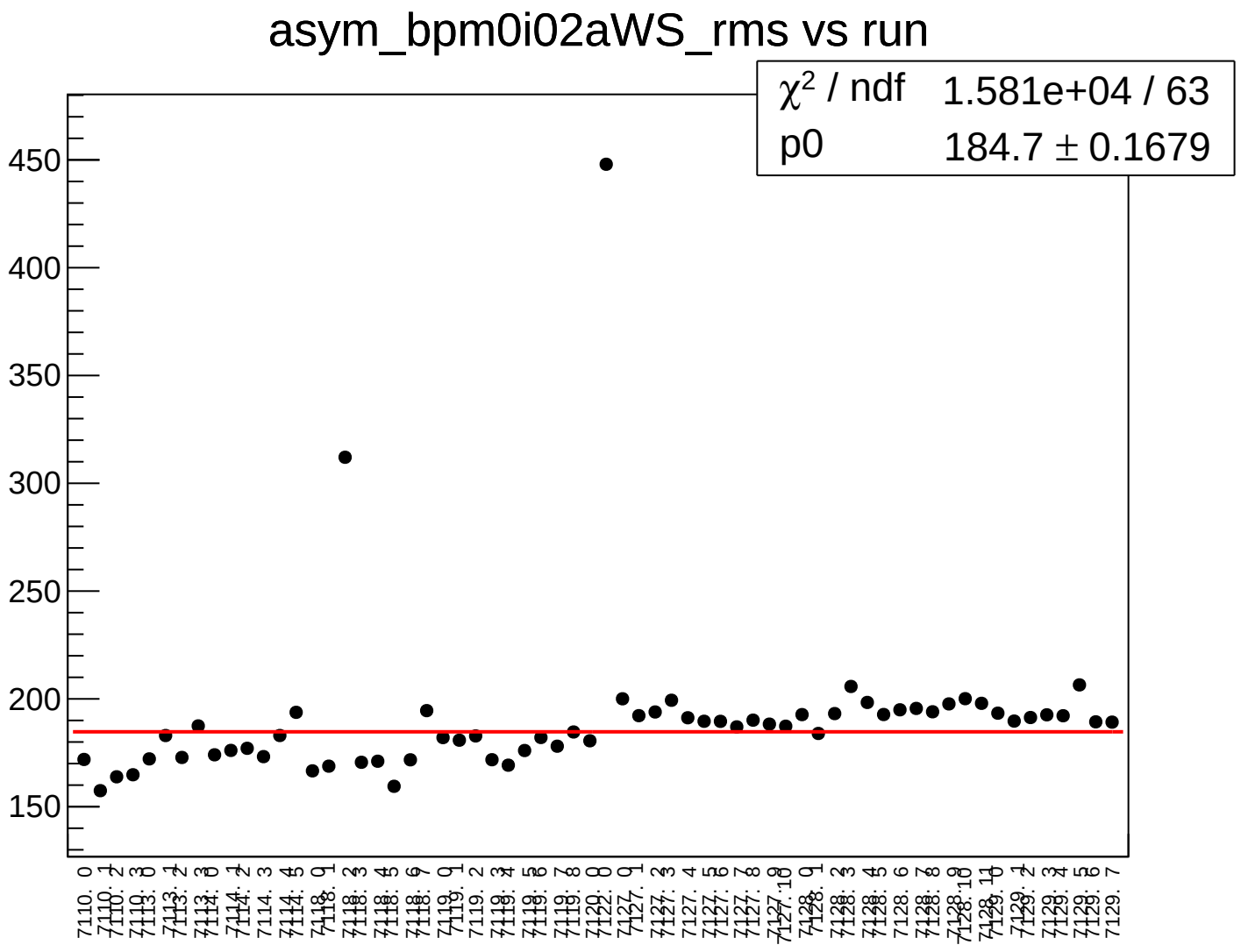

asym_bpm0i02WS_mean vs run
χ² / ndf 933.9 / 63
p0 −2177 ± 219.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 6874
Std Dev 0
8
6
4
2
0
−2
−4
−6

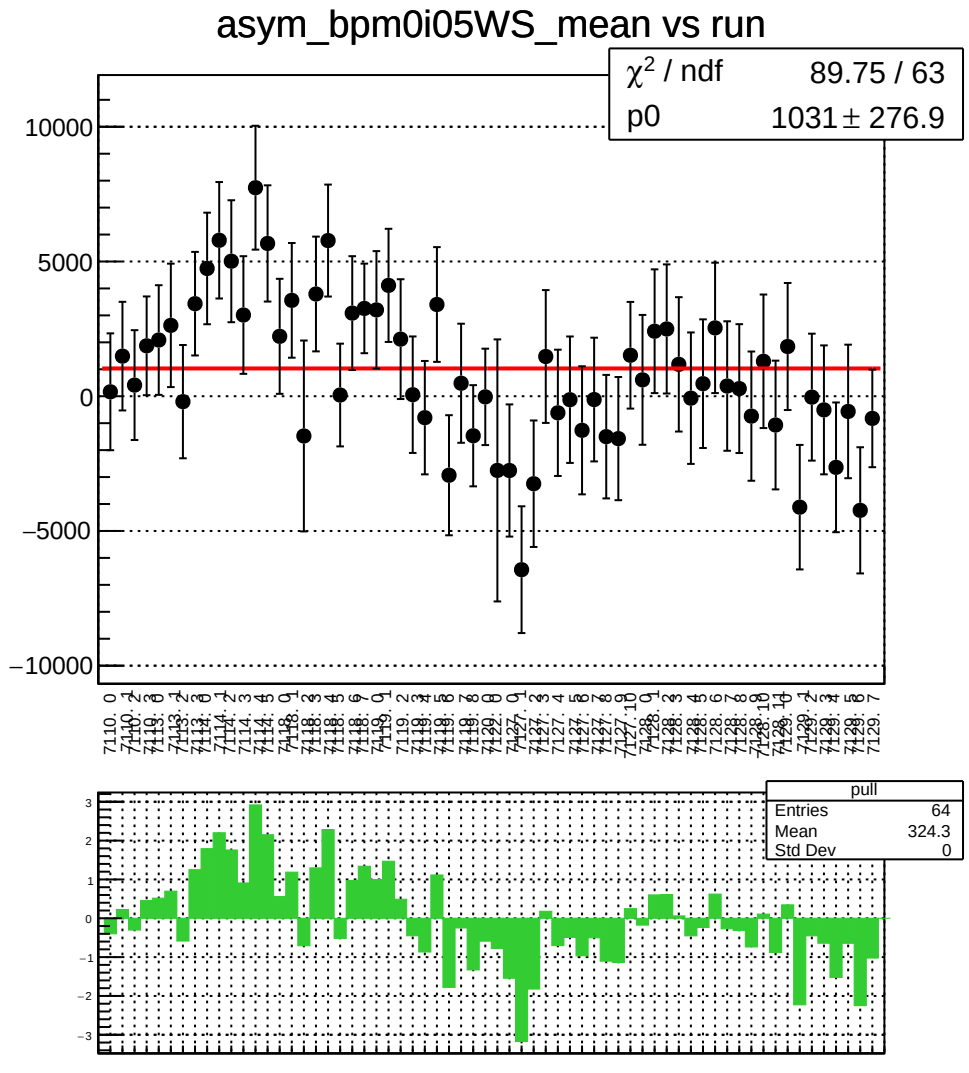

pull1D
Entries 64
Mean −0.2658
Std Dev 3.567
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

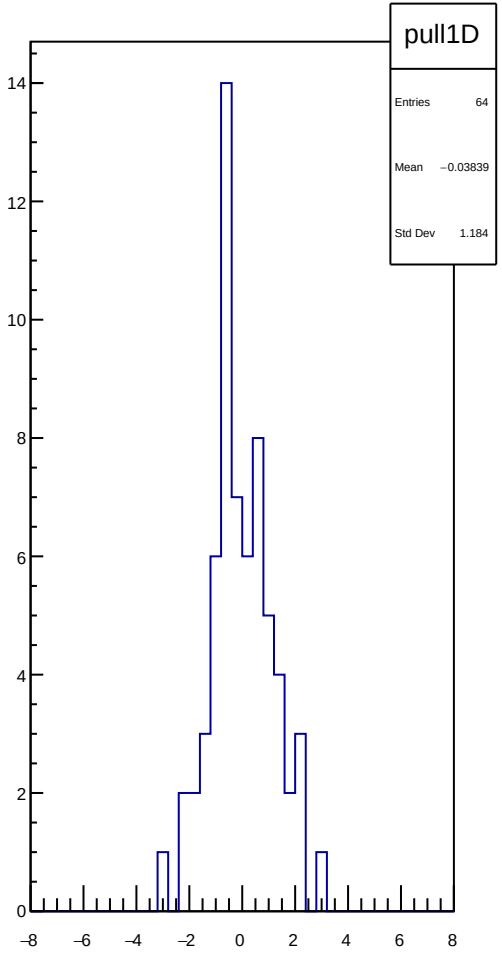

asym_bpm0i02WS_rms vs run
χ² / ndf 1.523e+04 / 63
p0 171.1 ± 0.1555
400
350
300
250
200
150

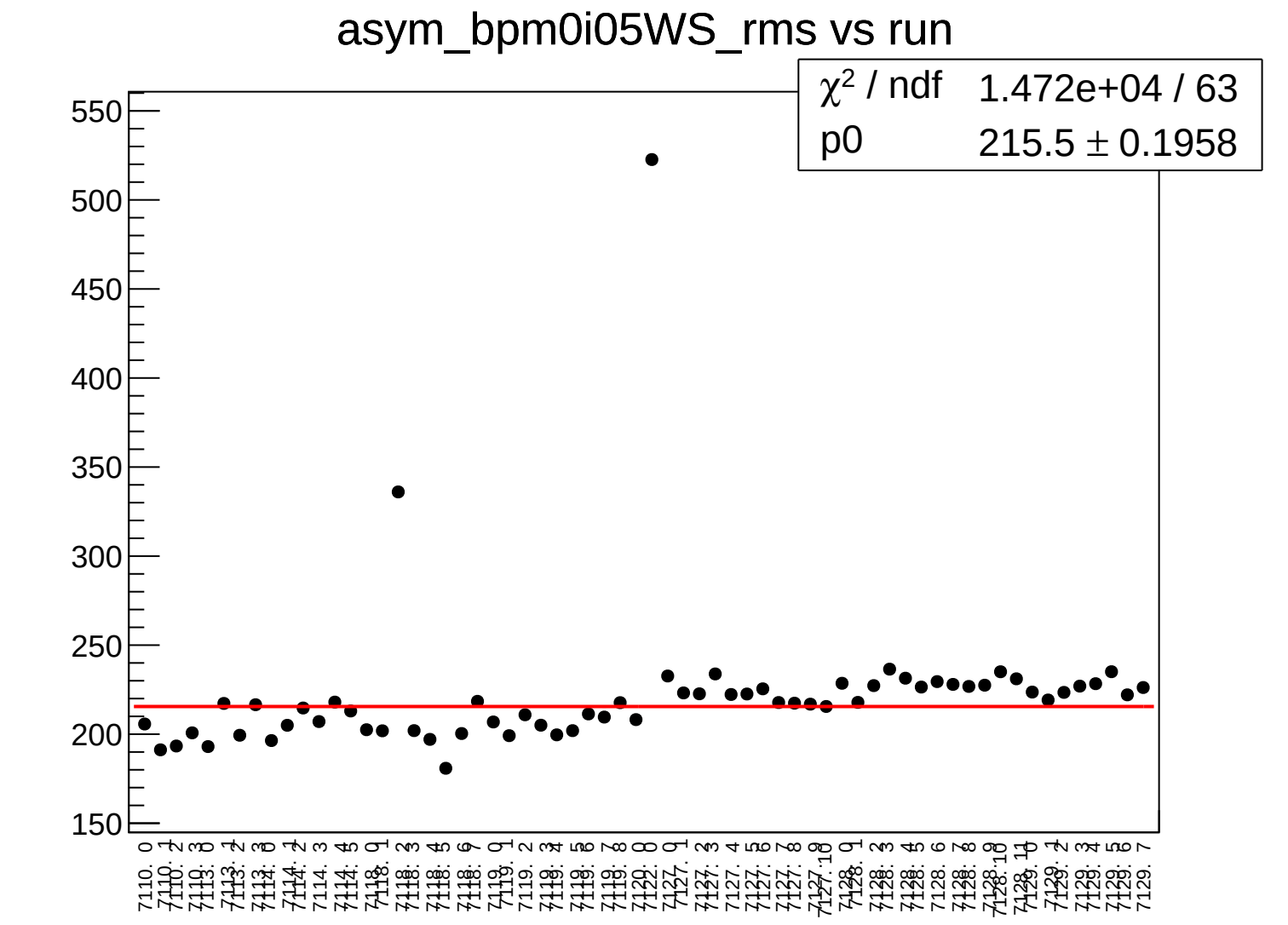

asym_bpm0i02aWS_mean vs run
χ² / ndf 924.9 / 63
p0 −8609 ± 237.5
pull
Entries 64
Mean 331.7
Std Dev 0

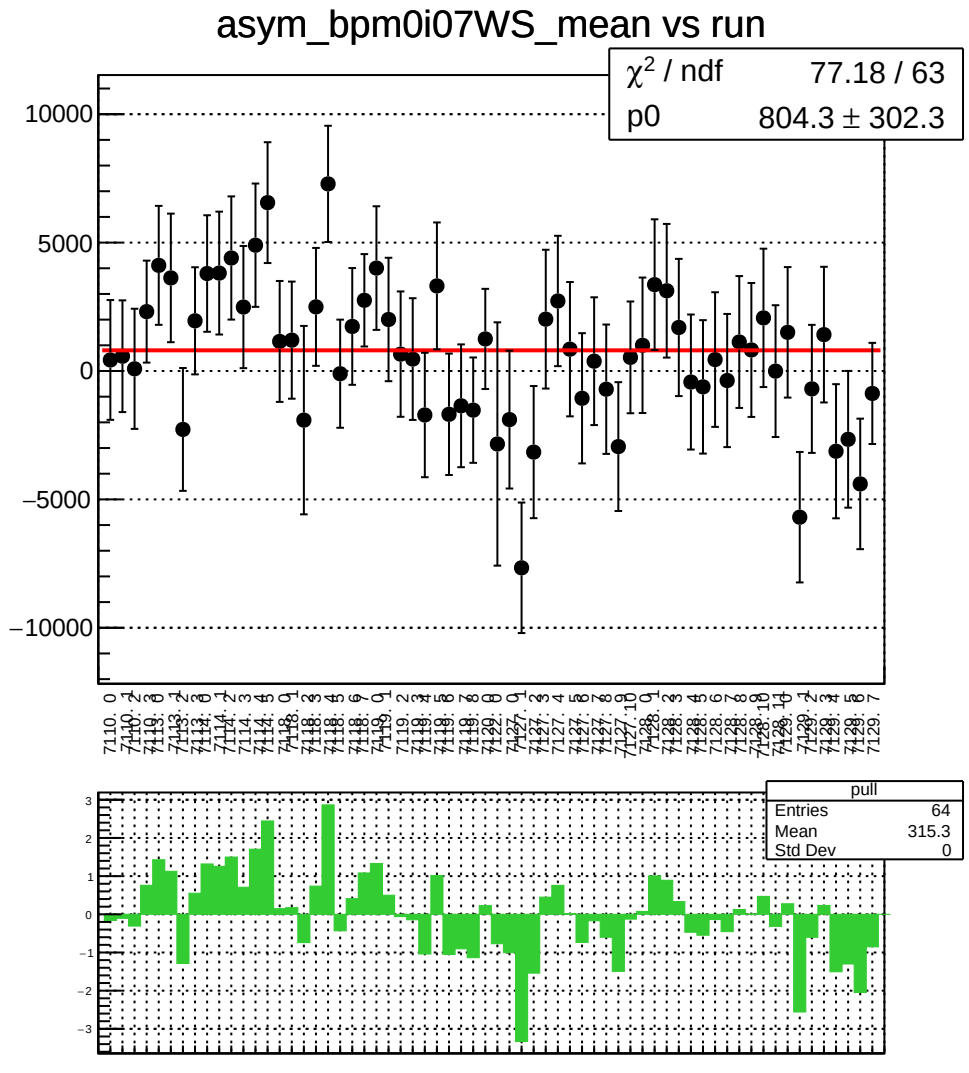

pull1D
Entries 64
Mean −0.2009
Std Dev 3.51

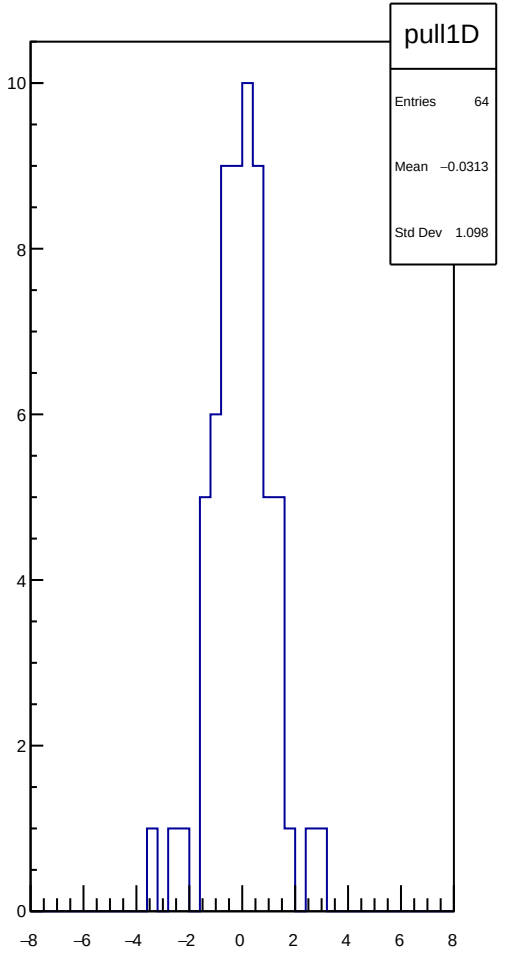

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.581e+04 / 63
p0 184.7 ± 0.1679
450
400
350
300
250
200
150

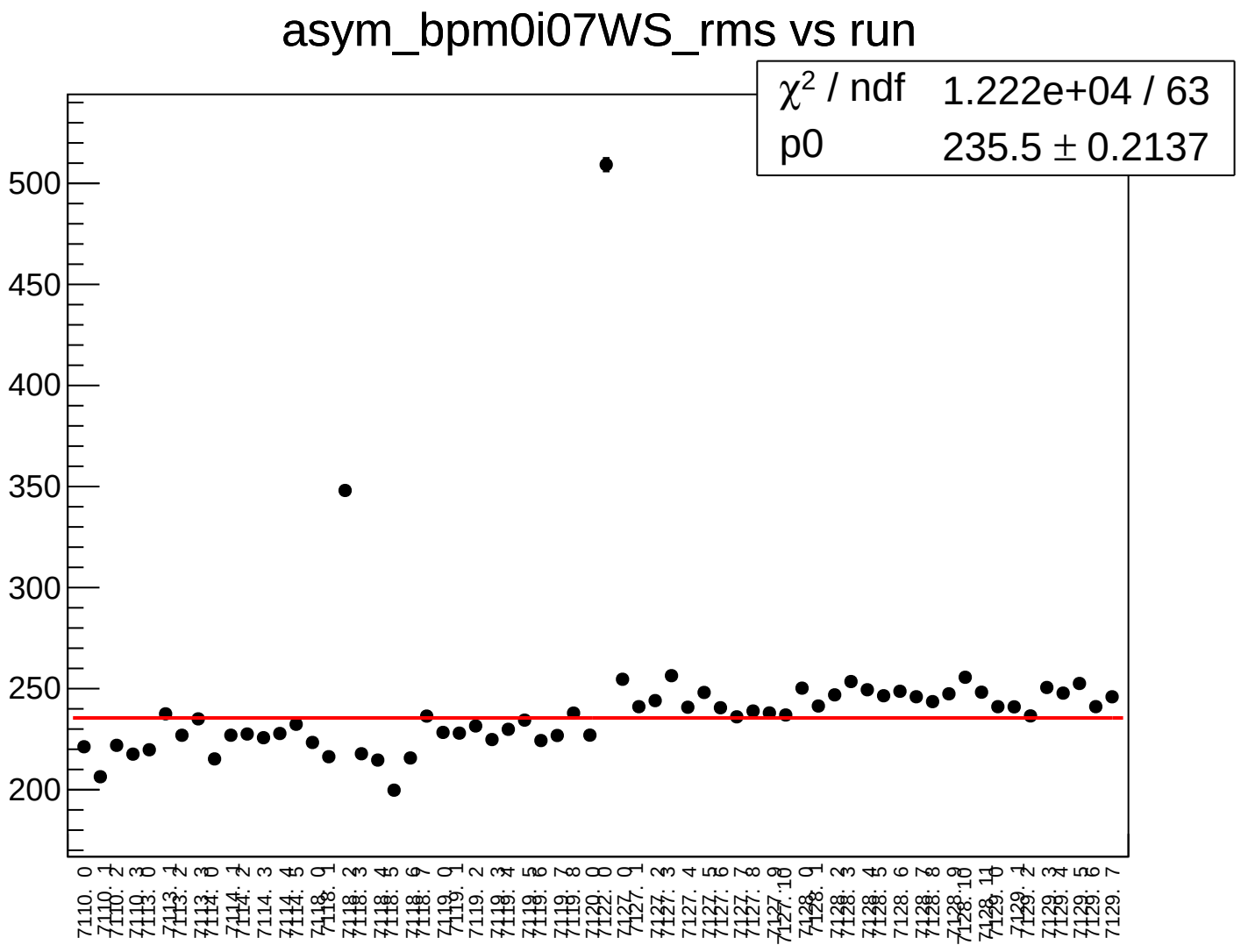

asym_bpm0i05WS_mean vs run
χ² / ndf 89.75 / 63
p0 1031 ± 276.9
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 324.3
Std Dev 0
3
2
1
0
−1
−2
−3

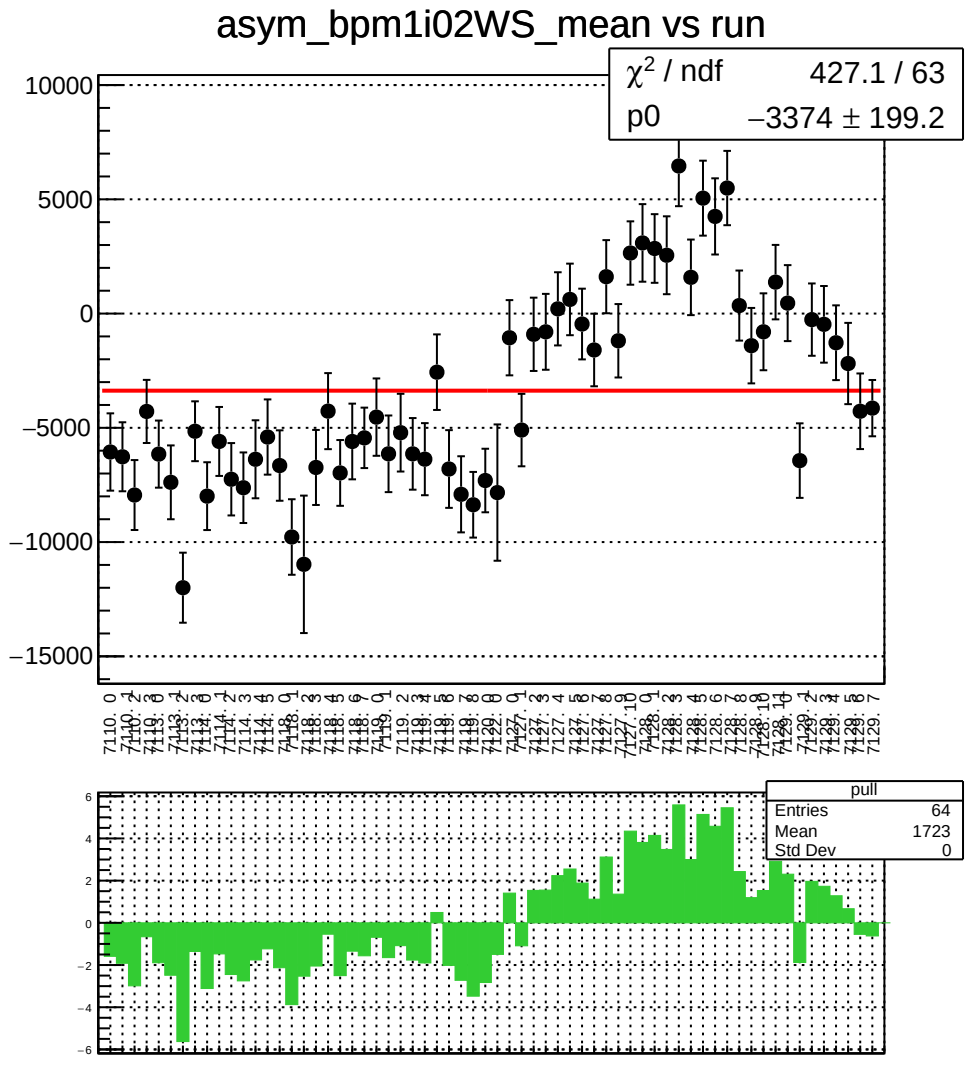

pull1D
Entries 64
Mean −0.03839
Std Dev 1.184
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

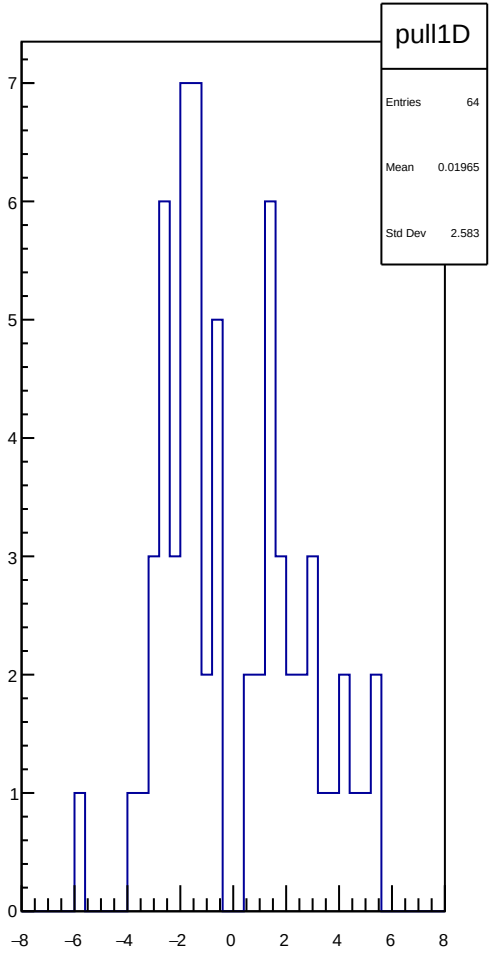

asym_bpm0i05WS_rms vs run
χ² / ndf 1.472e+04 / 63
p0 215.5 ± 0.1958
550
500
450
400
350
300
250
200
150

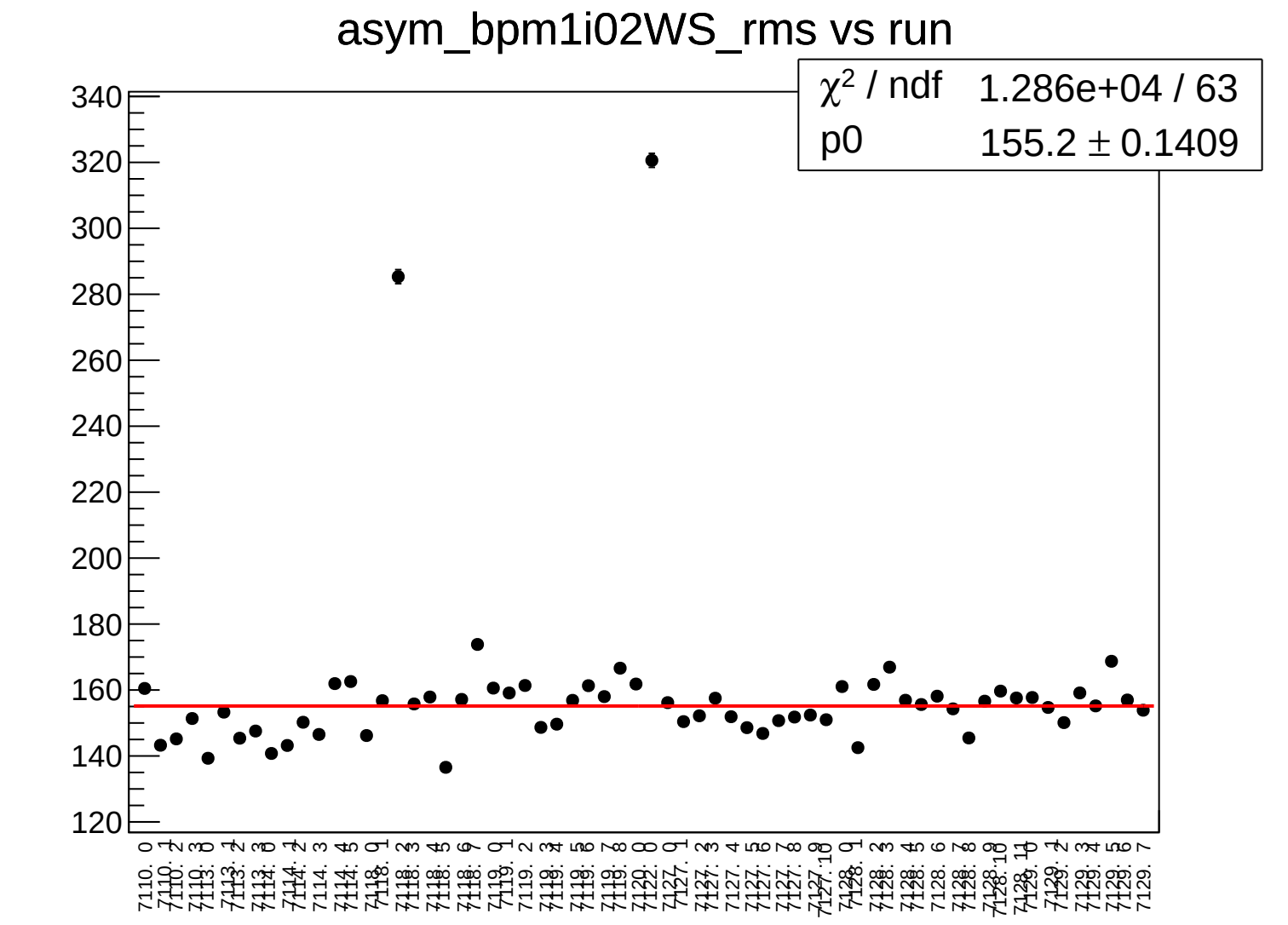

asym_bpm0i07WS_mean vs run
χ² / ndf 77.18 / 63
p0 804.3 ± 302.3
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 315.3
Std Dev 0
3
2
1
0
−1
−2
−3

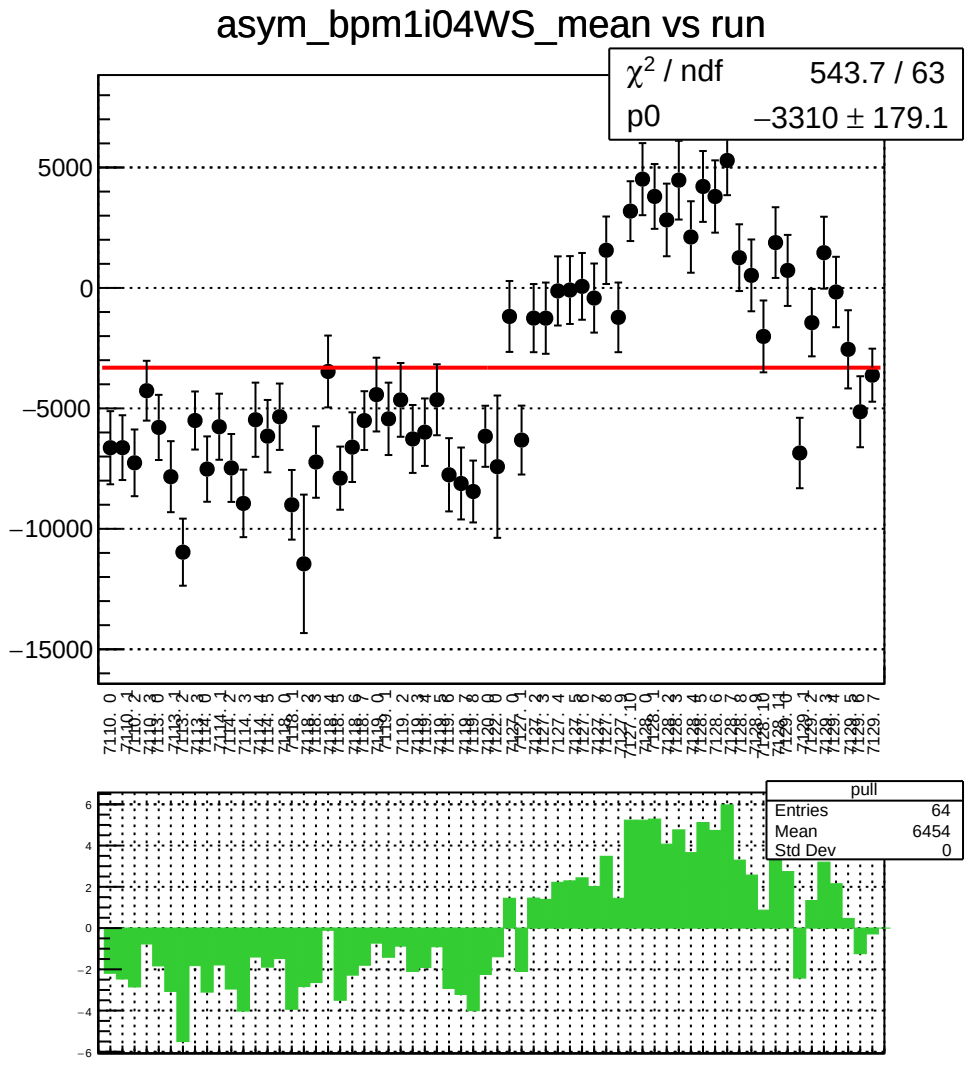

pull1D
Entries 64
Mean −0.0313
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

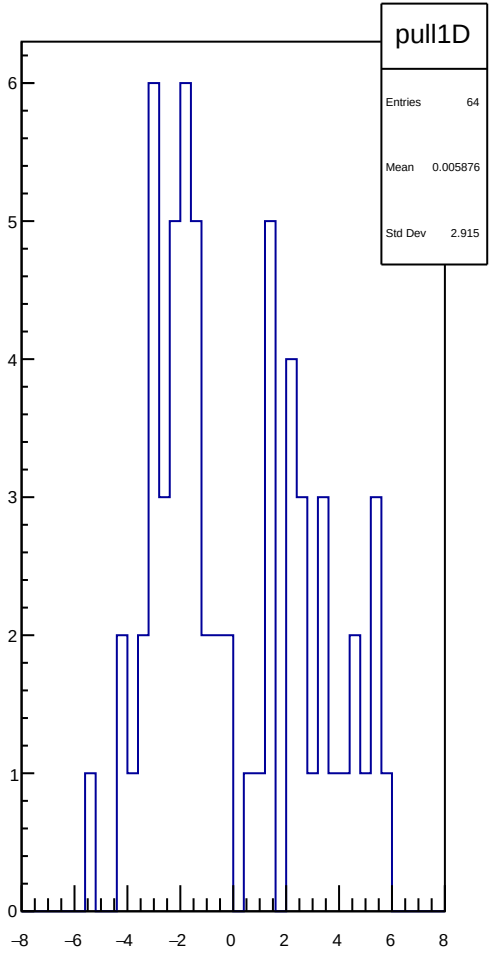

asym_bpm0i07WS_rms vs run
χ² / ndf 1.222e+04 / 63
p0 235.5 ± 0.2137
500
450
400
350
300
250
200

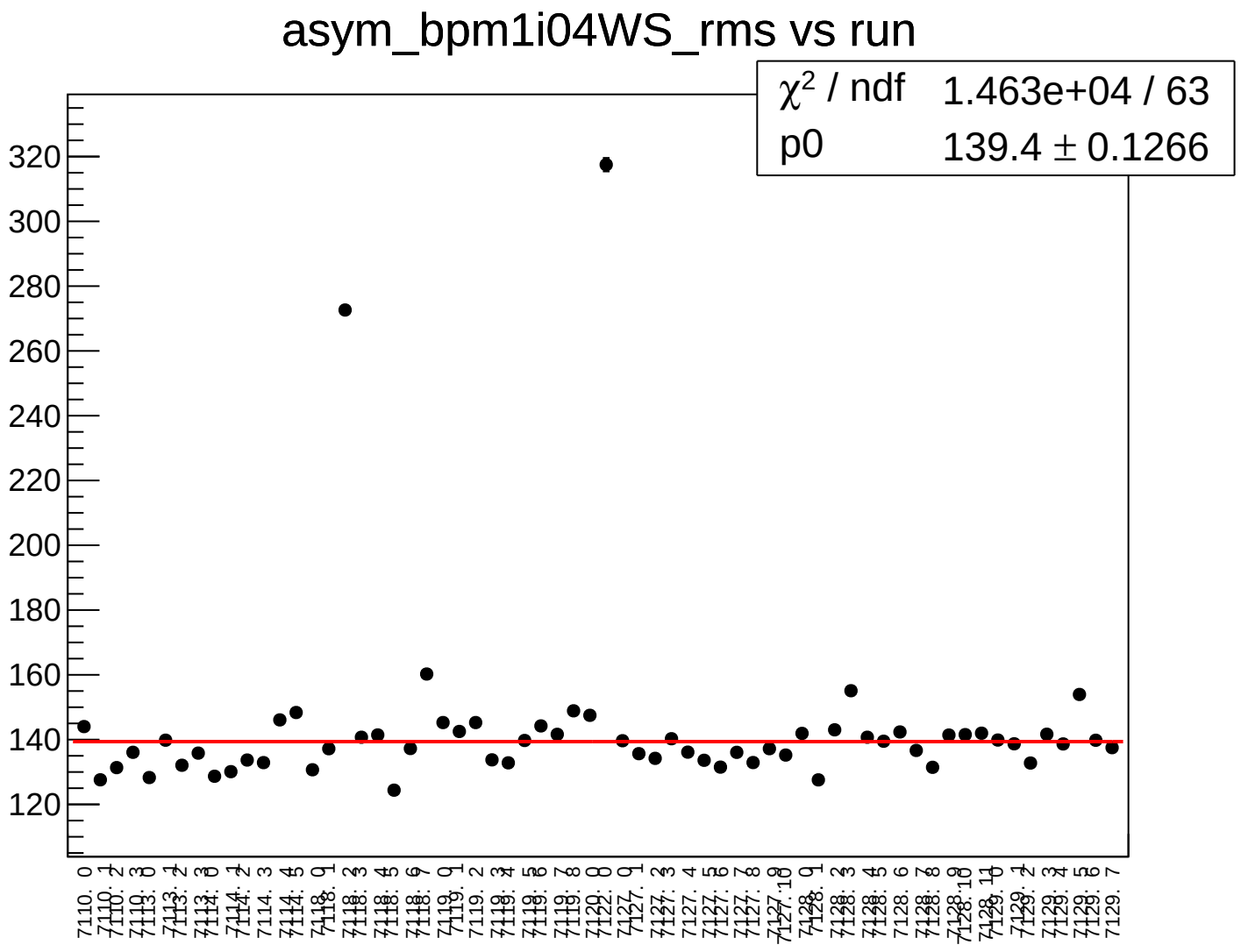

asym_bpm1i02WS_mean vs run
χ² / ndf 427.1 / 63
p0 −3374 ± 199.2
pull
Entries 64
Mean 1723
Std Dev 0

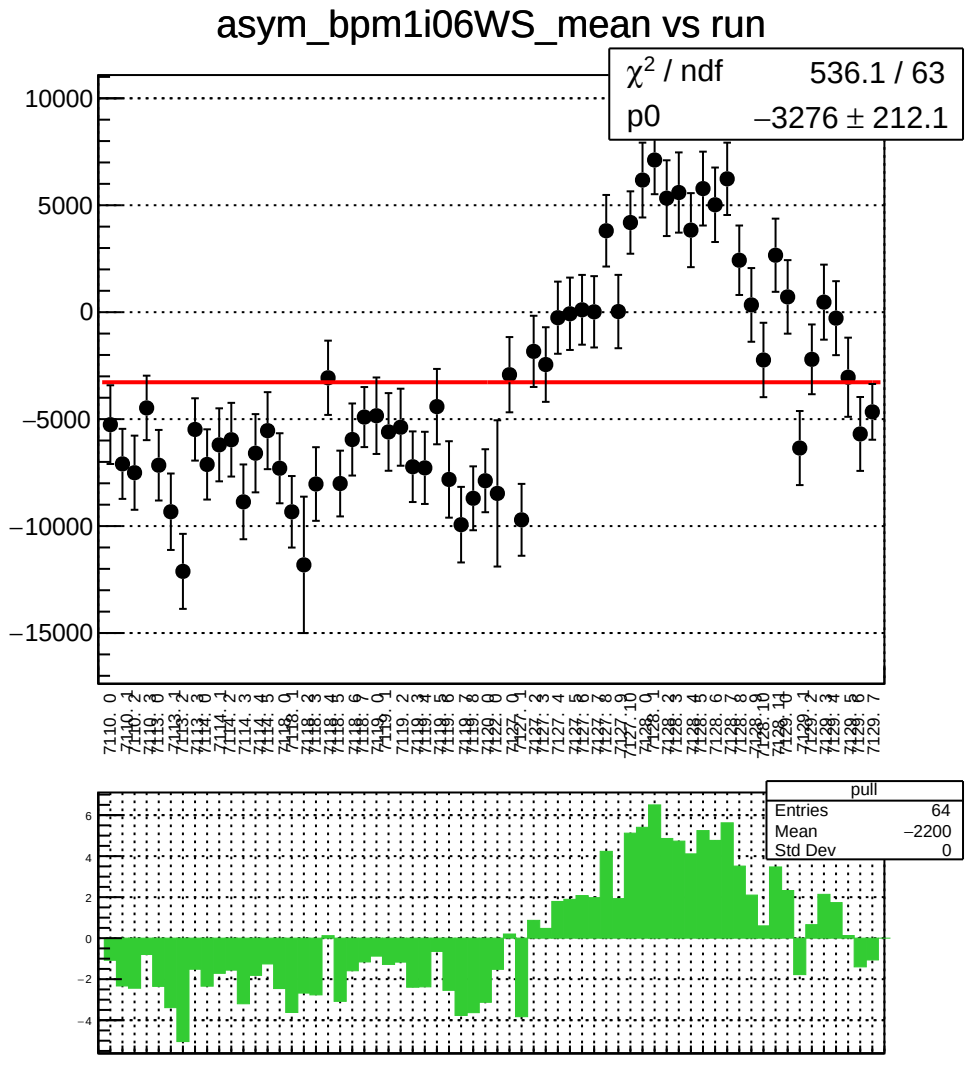

pull1D
Entries 64
Mean 0.01965
Std Dev 2.583

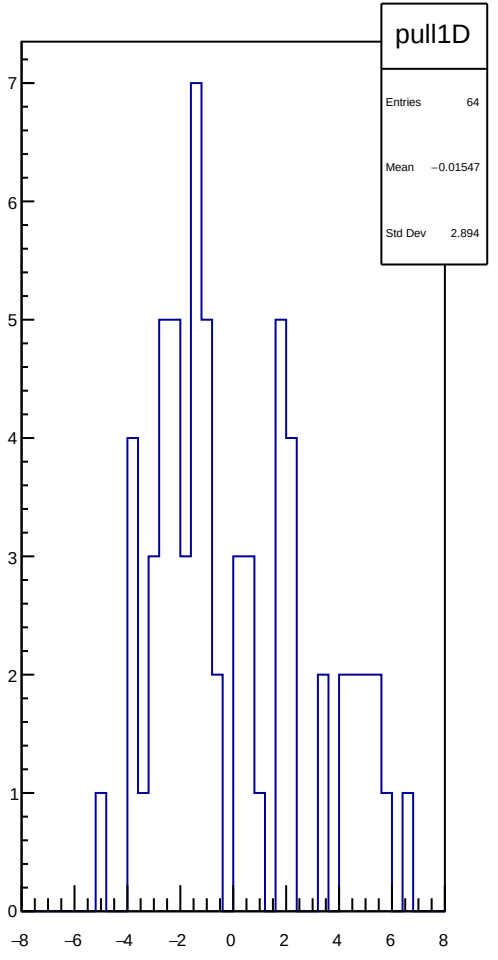

asym_bpm1i02WS_rms vs run
χ² / ndf 1.286e+04 / 63
p0 155.2 ± 0.1409
340
320
300
280
260
240
220
200
180
160
140
120

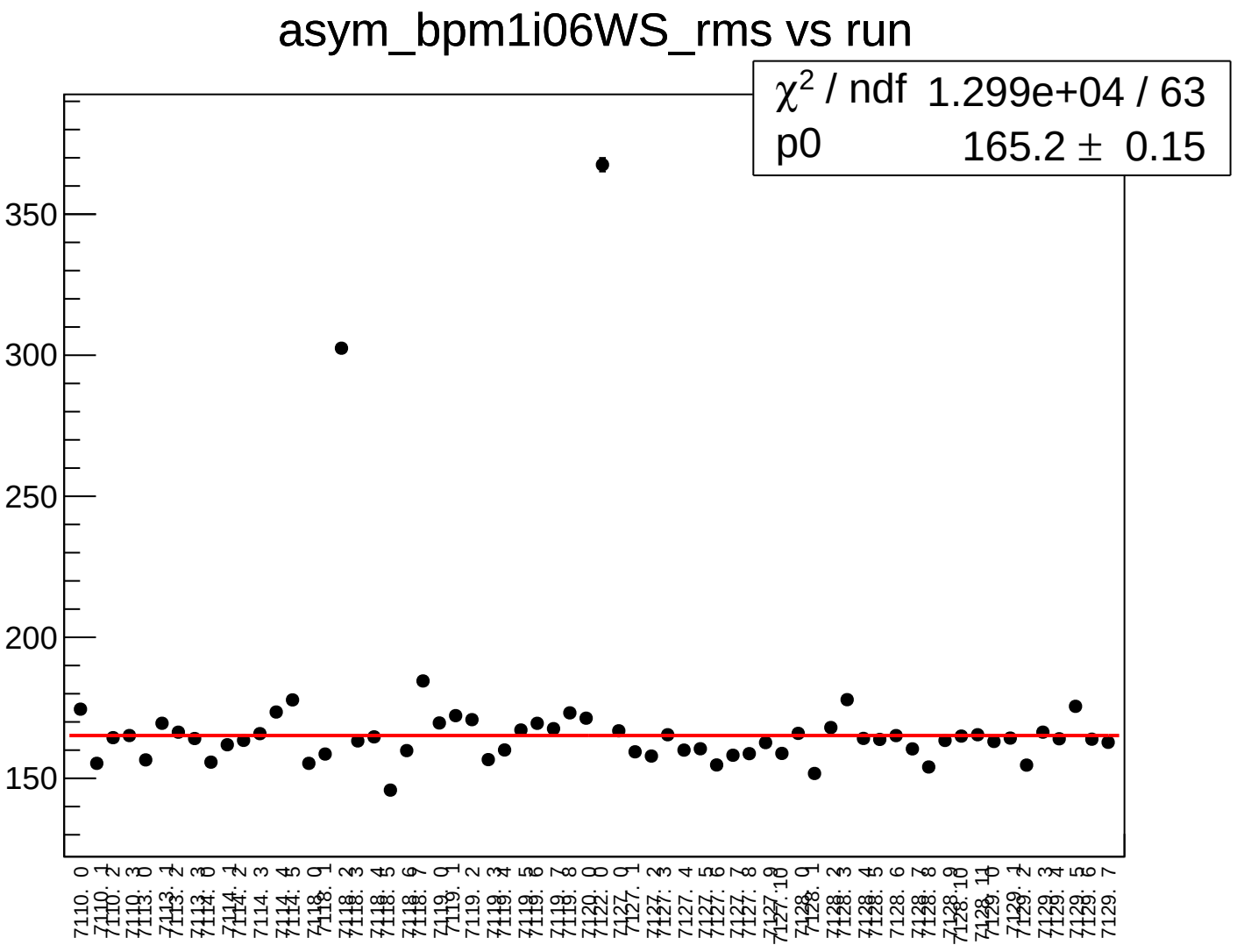

asym_bpm1i04WS_mean vs run
χ² / ndf 543.7 / 63
p0 −3310 ± 179.1
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 6454
Std Dev 0
6
4
2
0
−2
−4
−6

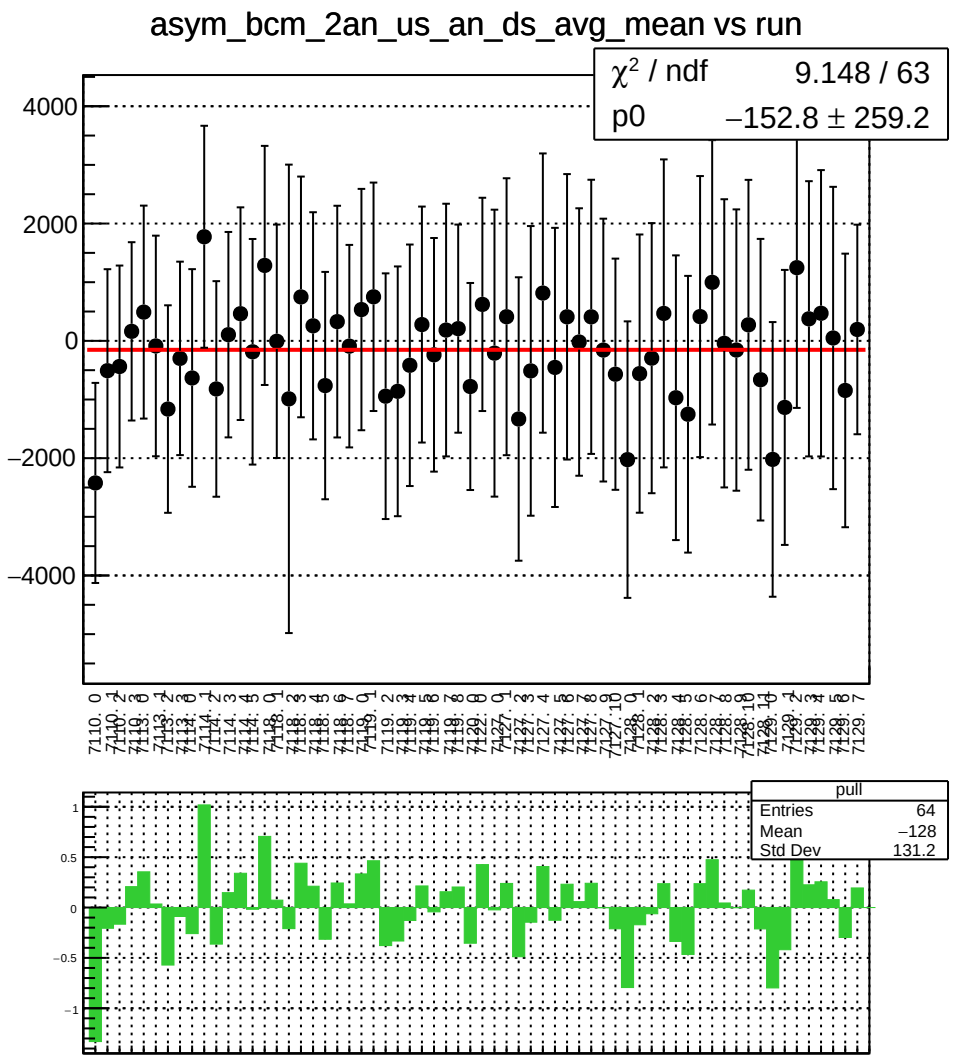

pull1D
Entries 64
Mean 0.005876
Std Dev 2.915
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

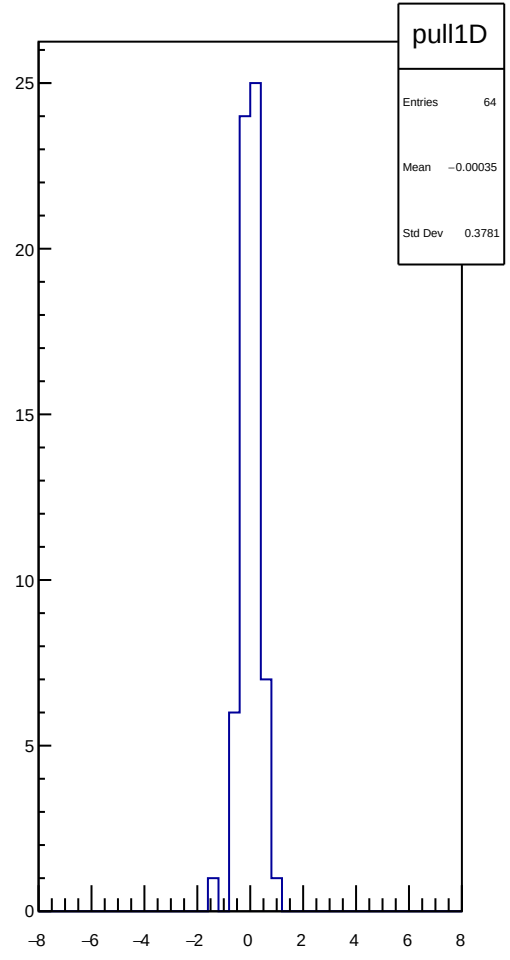

asym_bpm1i04WS_rms vs run
χ² / ndf 1.463e+04 / 63
p0 139.4 ± 0.1266
320
300
280
260
240
220
200
180
160
140
120

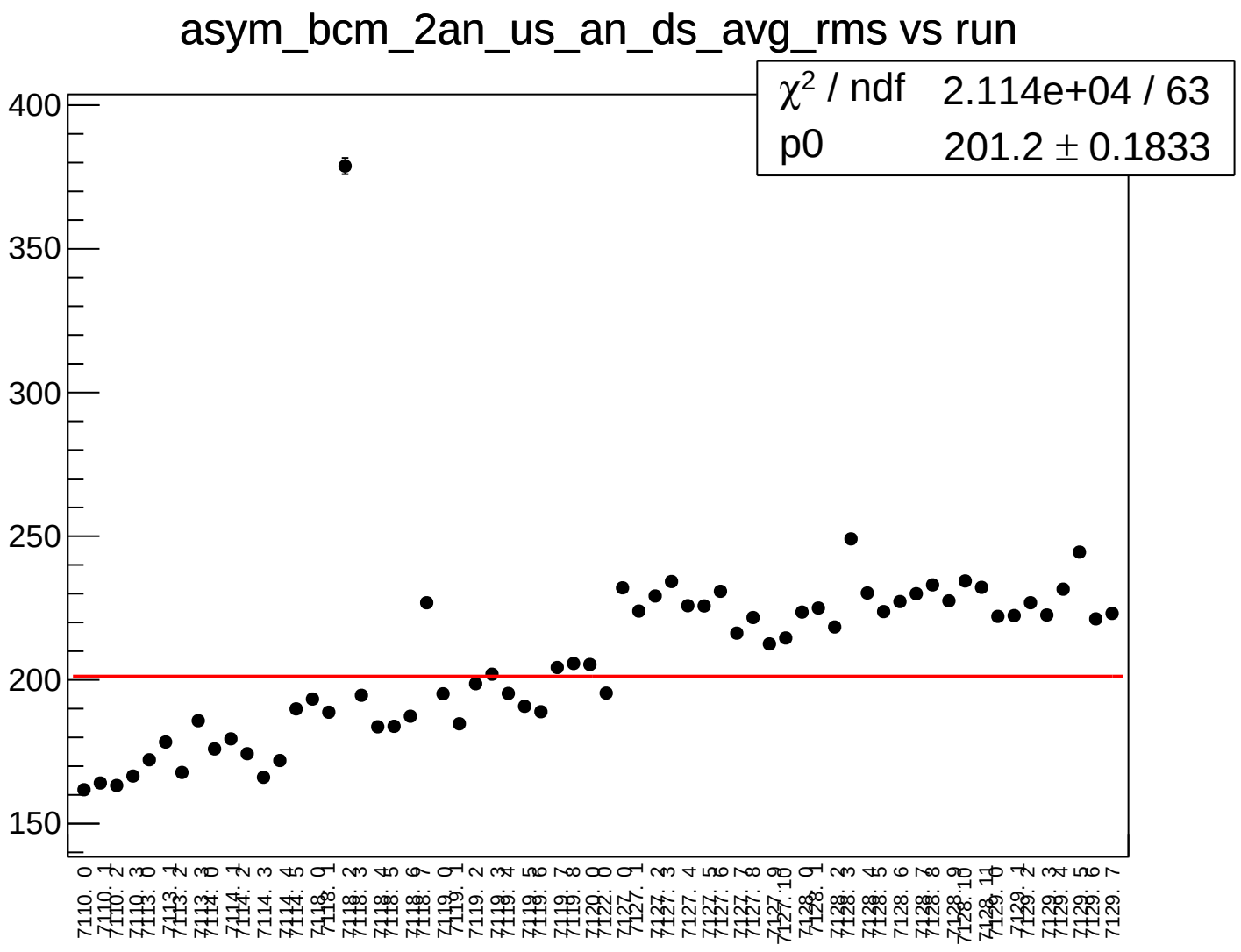

asym_bpm1i06WS_mean vs run
χ² / ndf 536.1 / 63
p0 −3276 ± 212.1
pull
Entries 64
Mean −2200
Std Dev 0

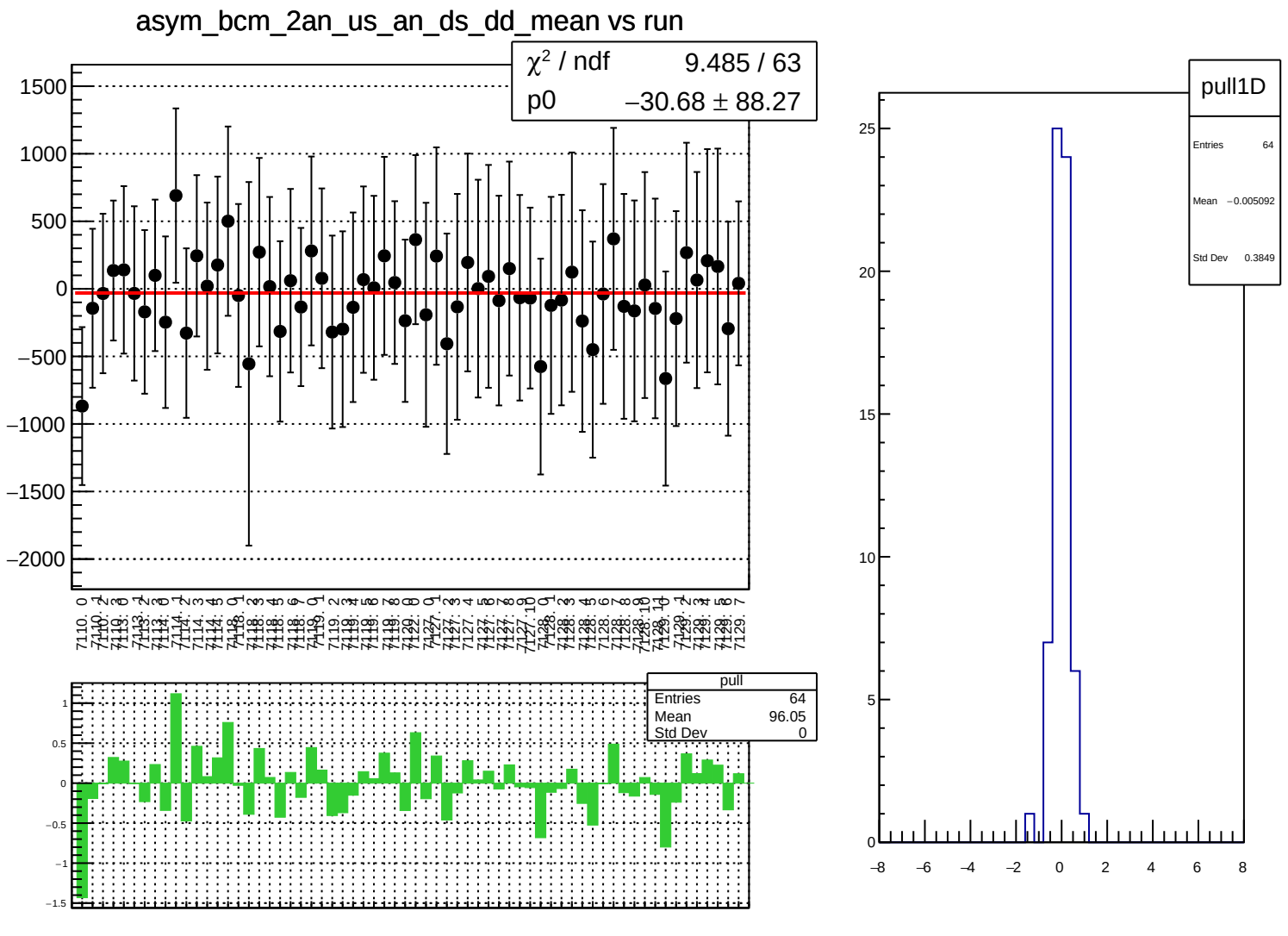

pull1D
Entries 64
Mean −0.01547
Std Dev 2.894

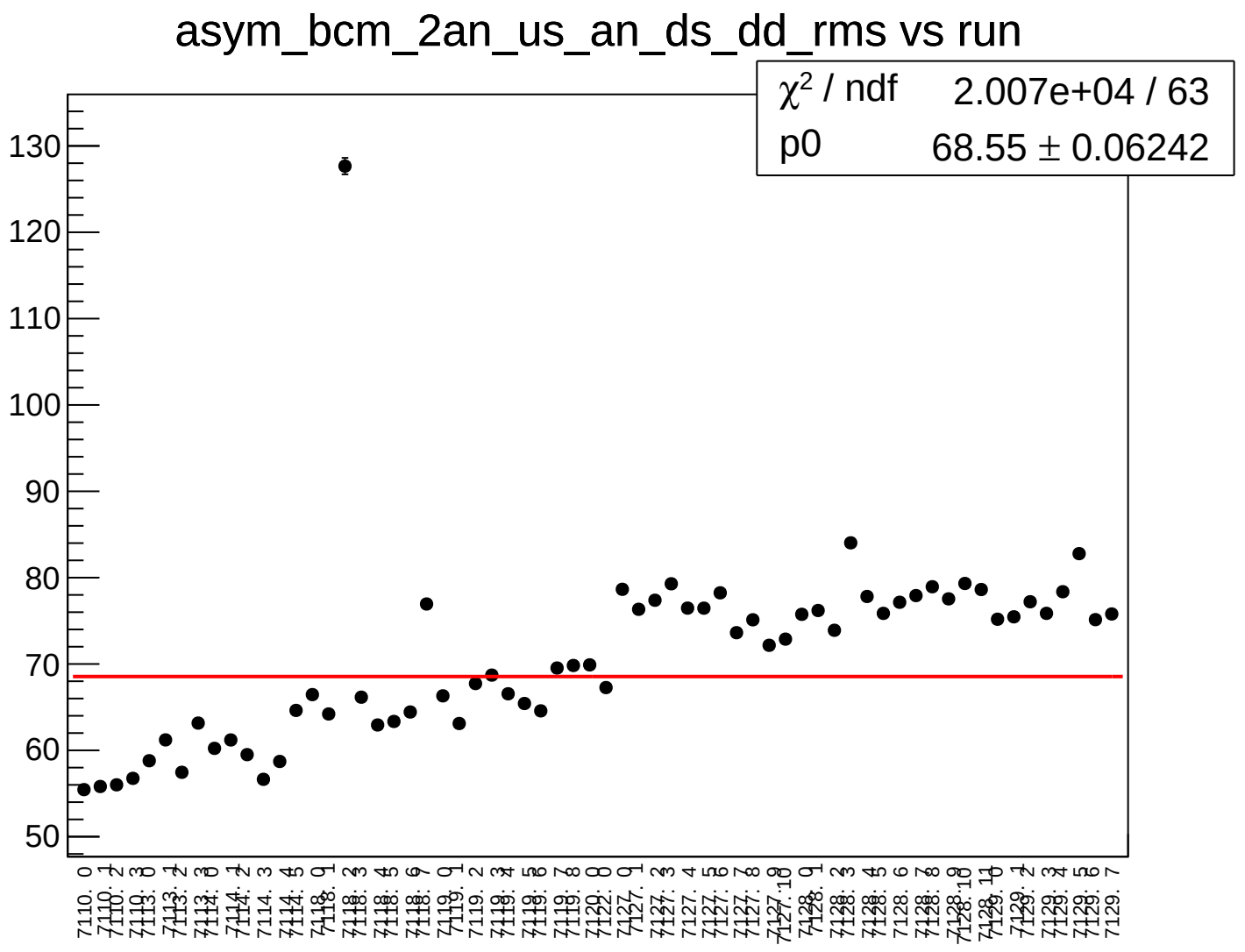

asym_bpm1i06WS_rms vs run
χ^2 / ndf 1.299e+04 / 63
p0 165.2 ± 0.15
350
300
250
200
150

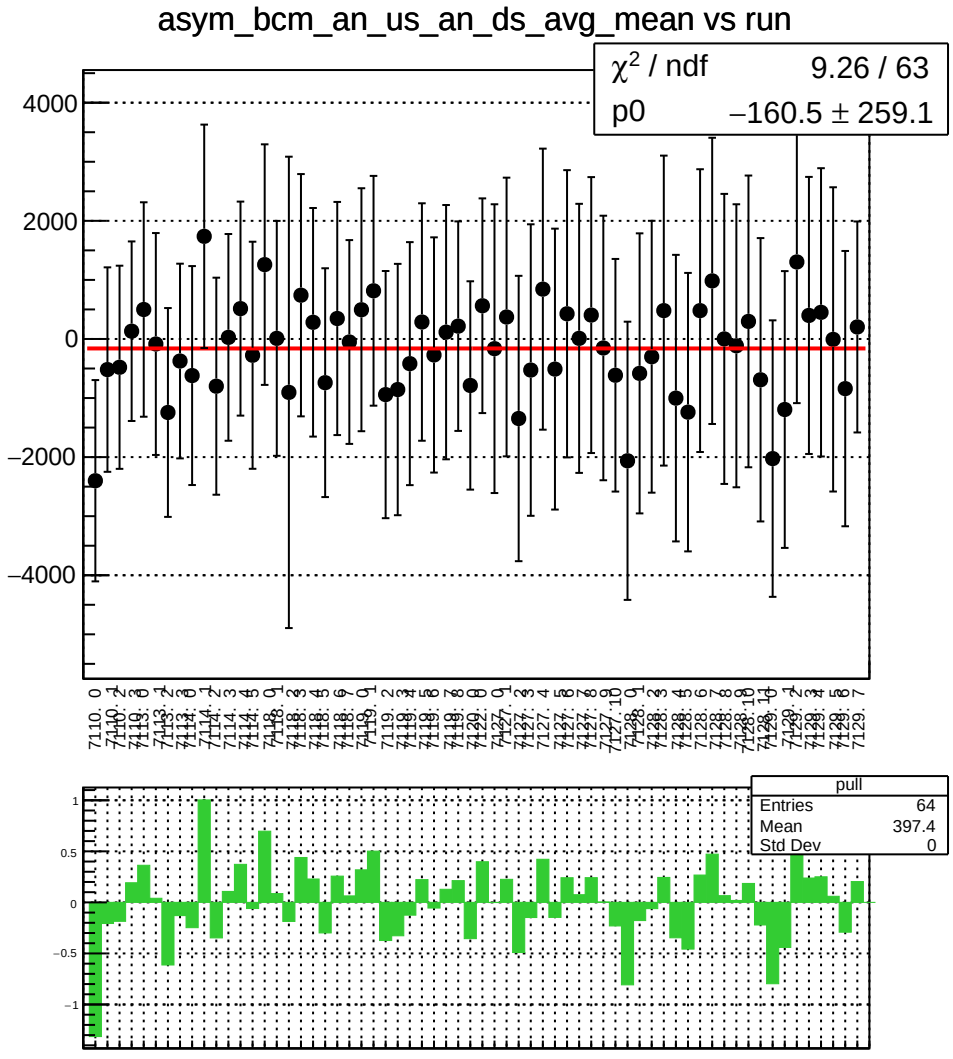

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 9.148 / 63
p0 −152.8 ± 259.2
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −128
Std Dev 131.2
1
0.5
0
−0.5
−1

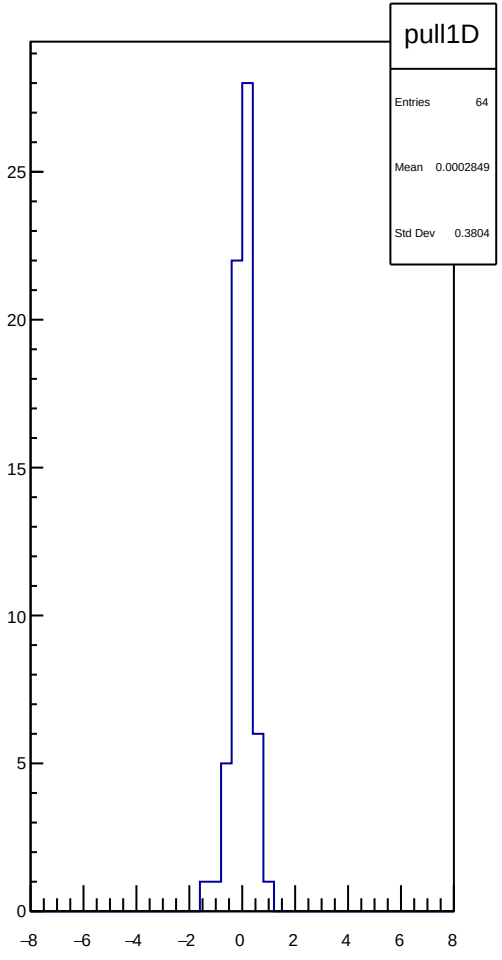

pull1D
Entries 64
Mean −0.00035
Std Dev 0.3781
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

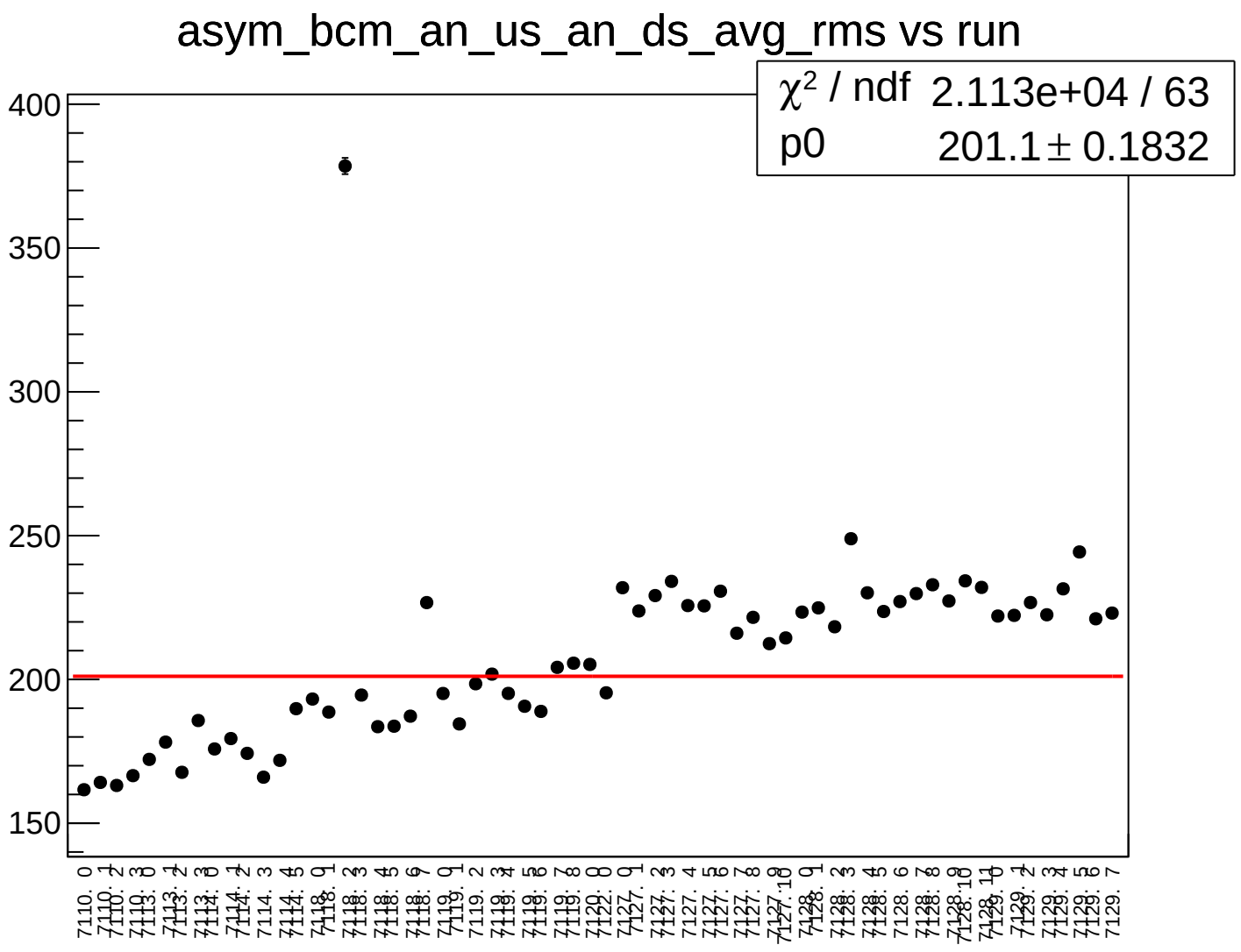

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 2.114e+04 / 63
p0 201.2 ± 0.1833
400
350
300
250
200
150

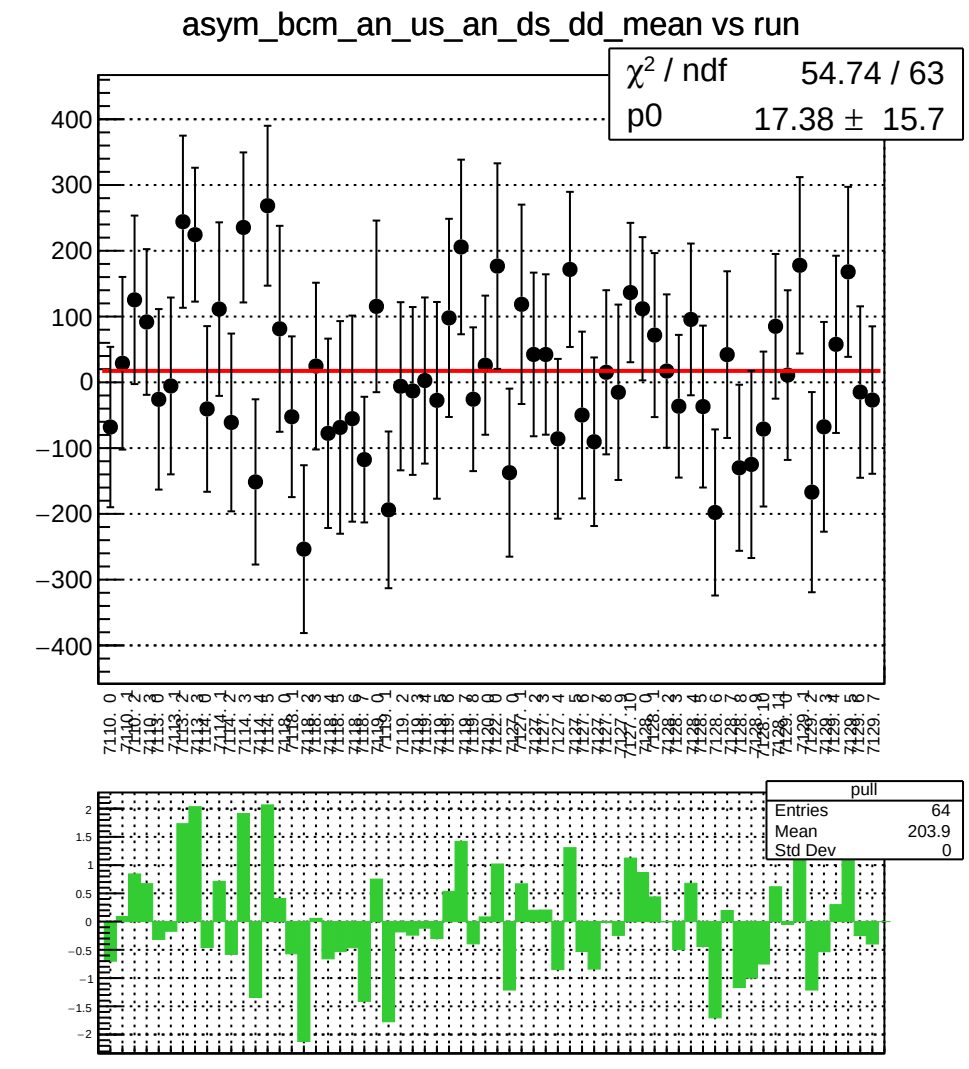

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 9.485 / 63
p0 −30.68 ± 88.27
pull
Entries 64
Mean 96.05
Std Dev 0
pull1D
Entries 64
Mean −0.005092
Std Dev 0.3849

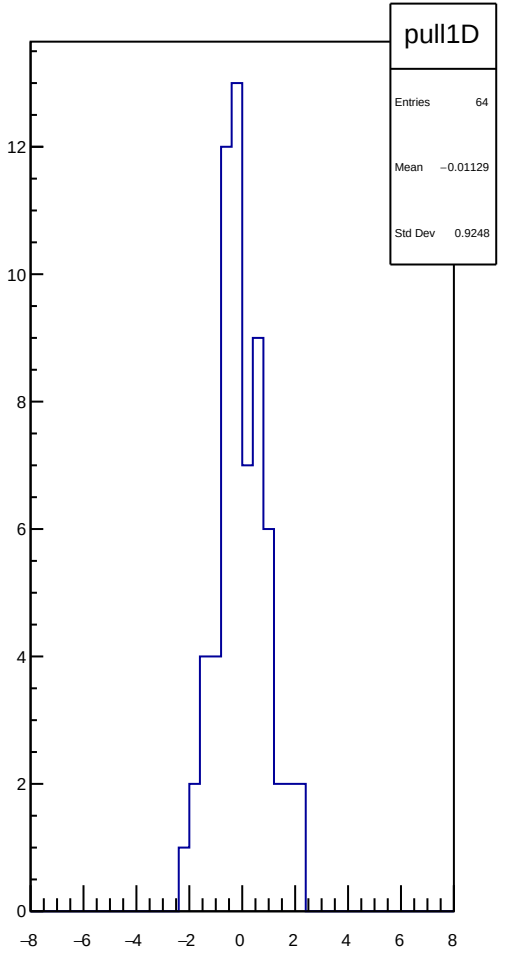

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 2.007e+04 / 63
p0 68.55 ± 0.06242
130
120
110
100
90
80
70
60
50

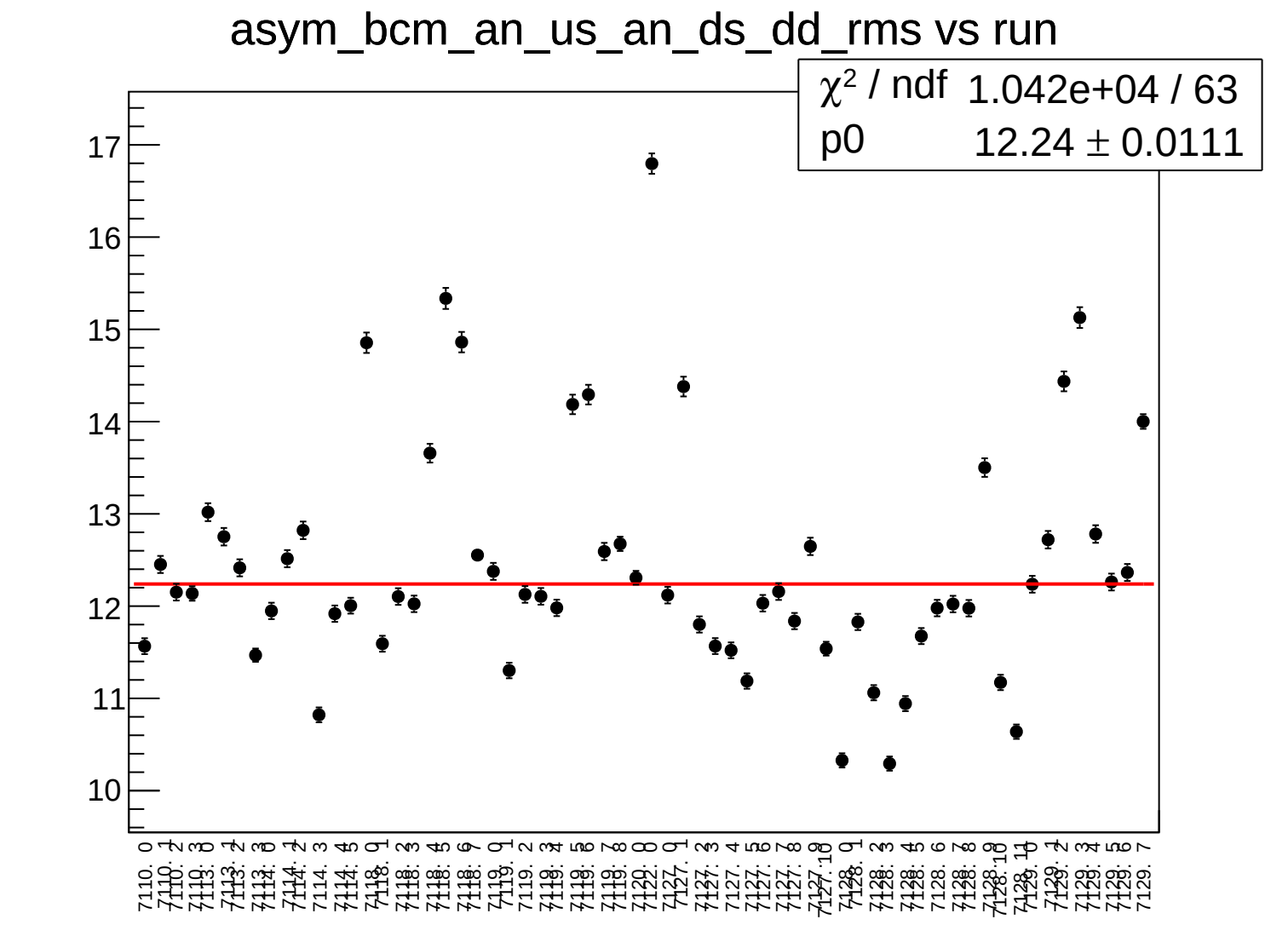

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 9.26 / 63
p0 −160.5 ± 259.1
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 397.4
Std Dev 0
1
0.5
0
−0.5
−1

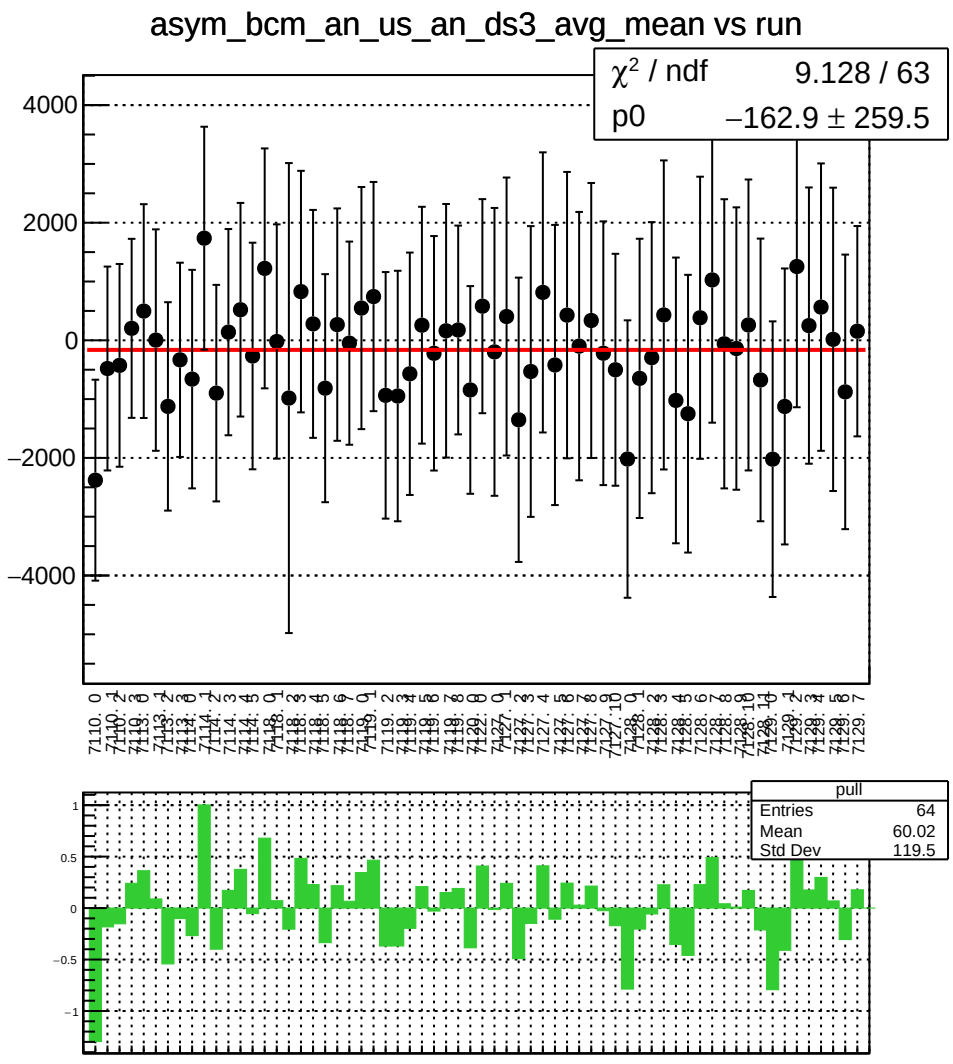

pull1D
Entries 64
Mean 0.0002849
Std Dev 0.3804
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

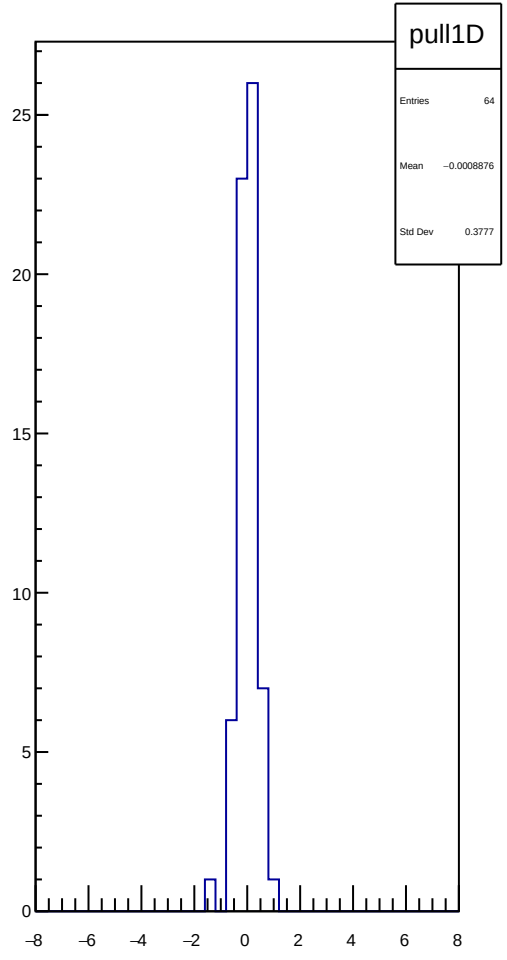

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 2.113e+04 / 63
p0 201.1 ± 0.1832
400
350
300
250
200
150

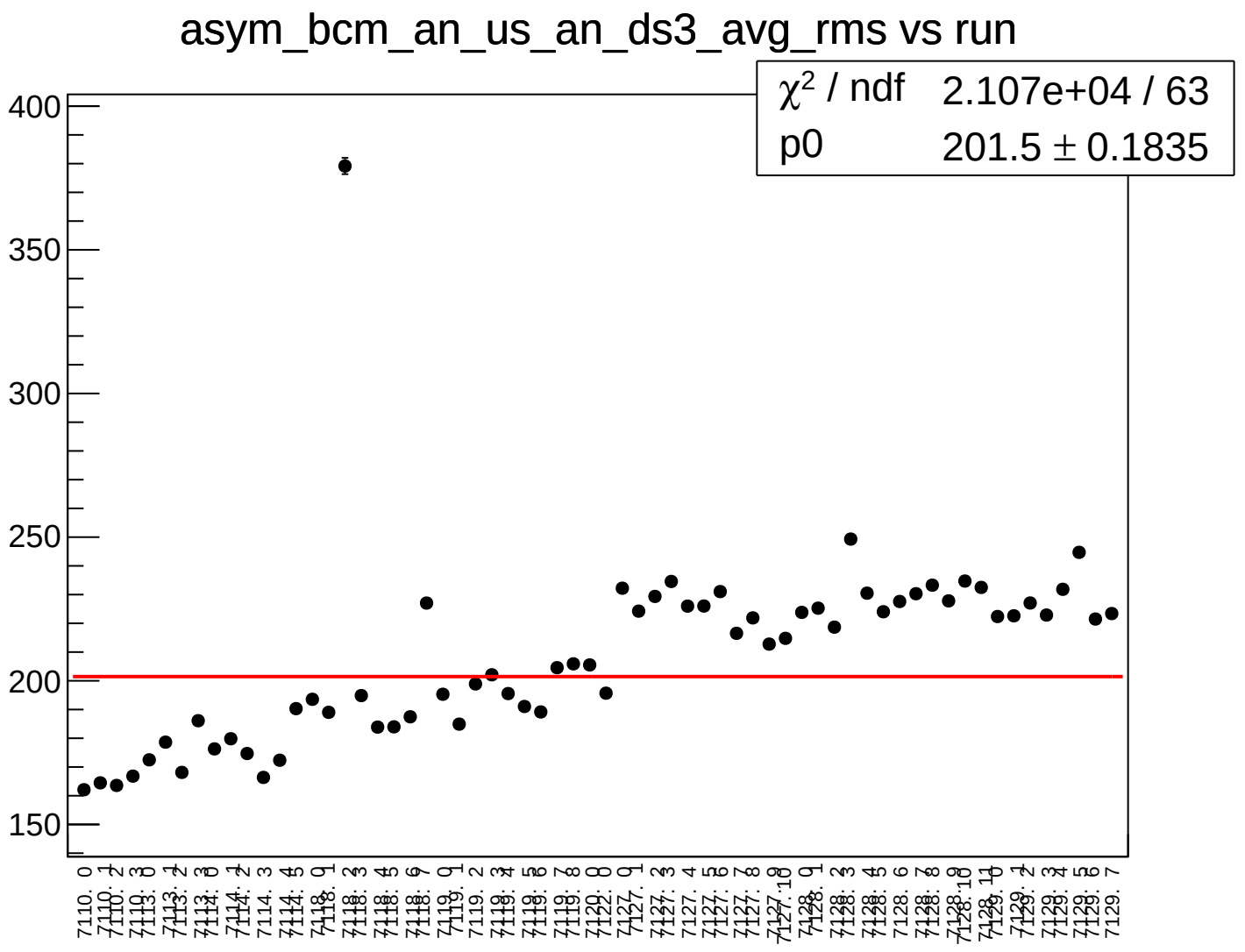

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 54.74 / 63
p0 17.38 ± 15.7
pull
Entries 64
Mean 203.9
Std Dev 0

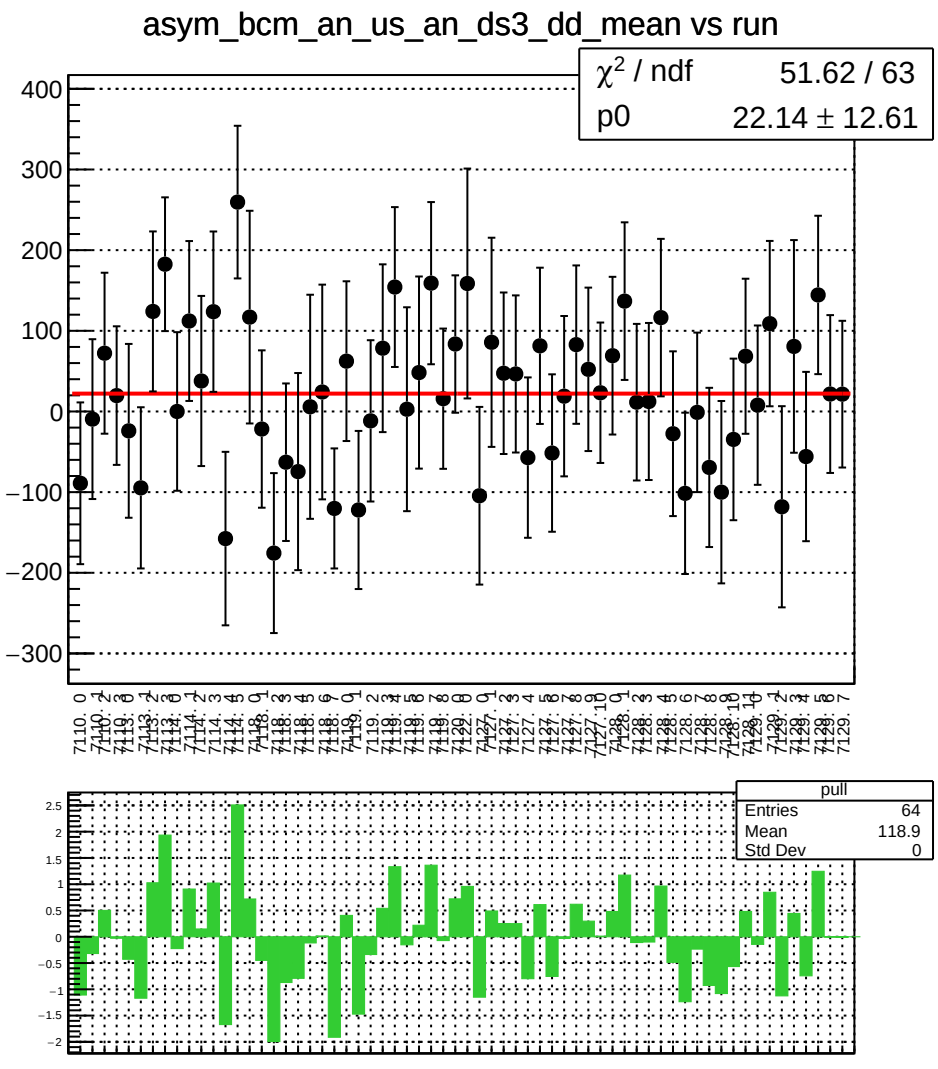

pull1D
Entries 64
Mean −0.01129
Std Dev 0.9248

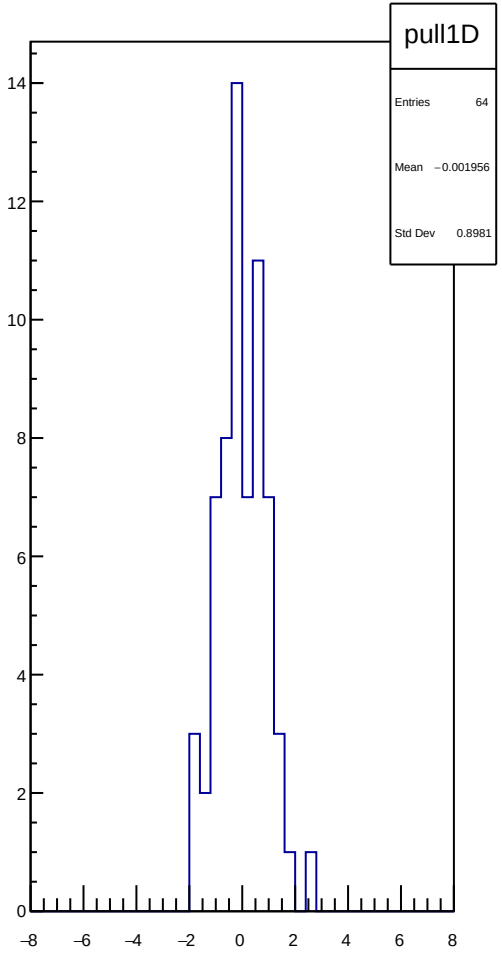

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1.042e+04 / 63
p0 12.24 ± 0.0111
17
16
15
14
13
12
11
10

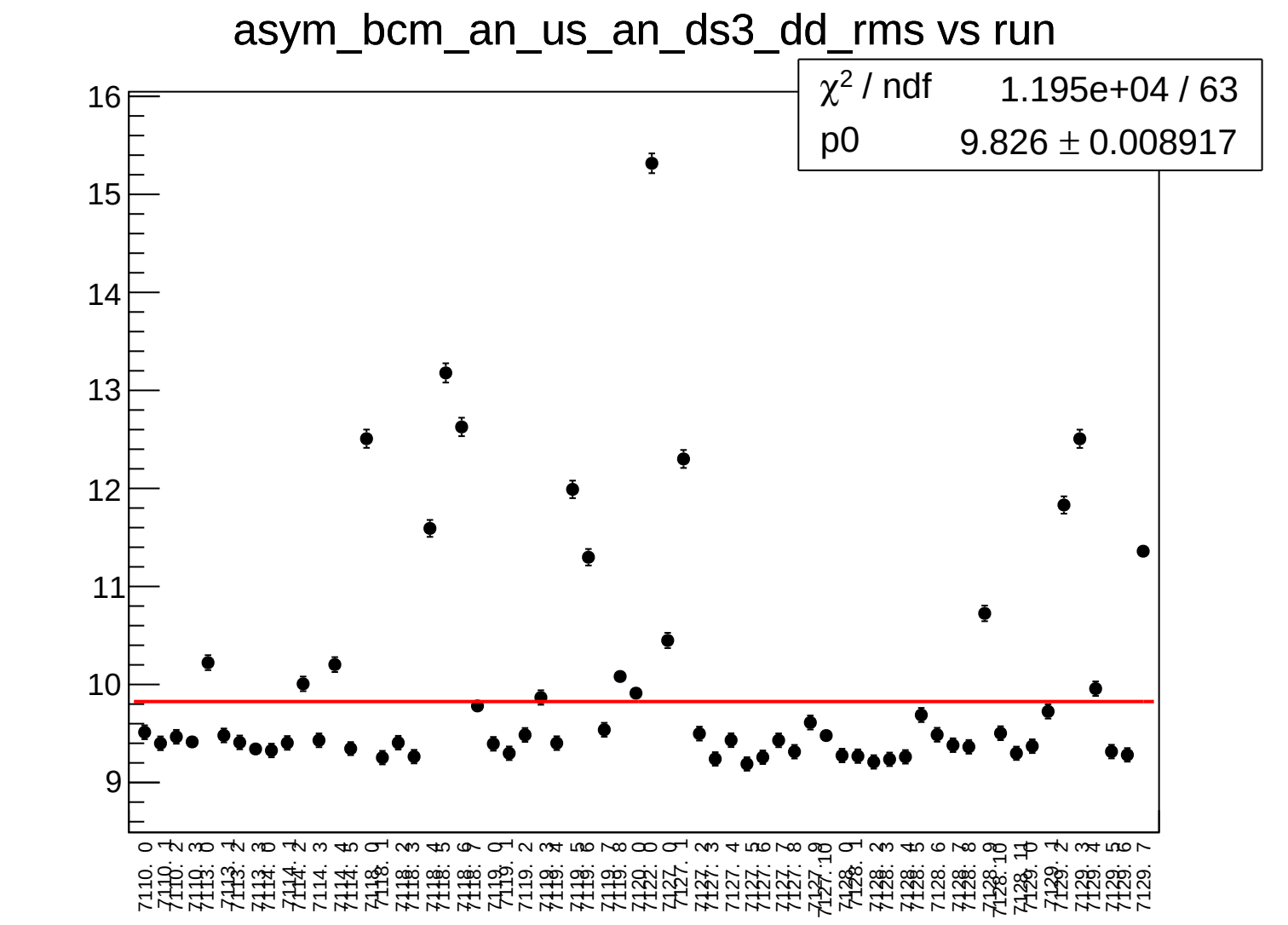

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 9.128 / 63
p0 −162.9 ± 259.5
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 60.02
Std Dev 119.5
1
0.5
0
−0.5
−1

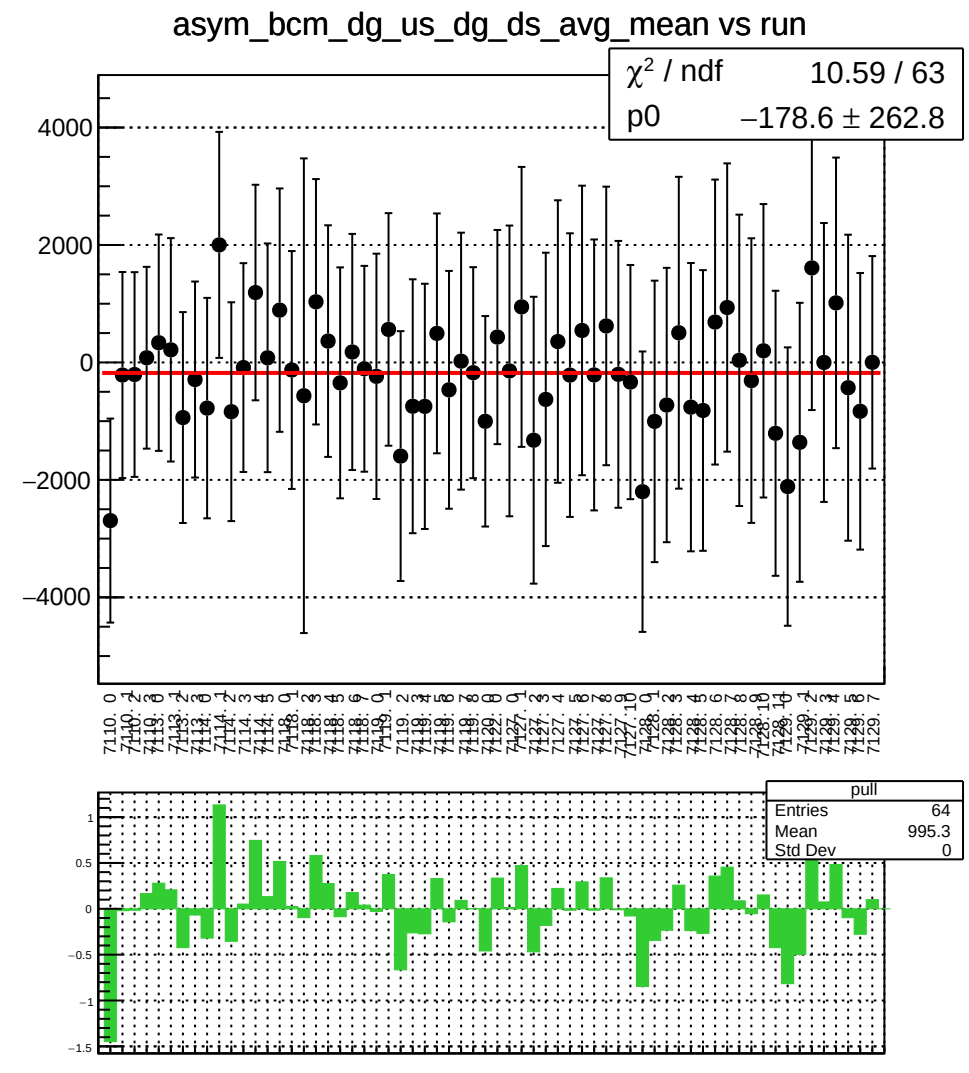

pull1D
Entries 64
Mean −0.0008876
Std Dev 0.3777
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

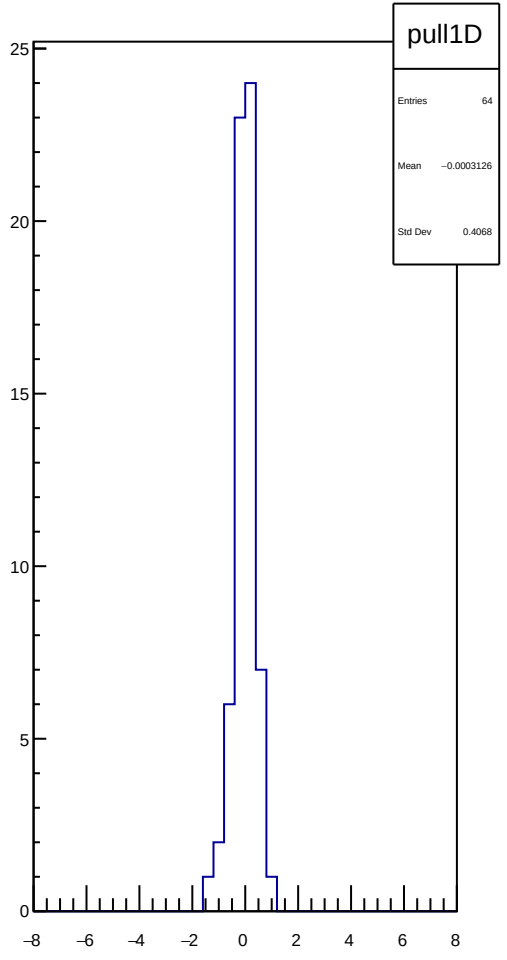

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 2.107e+04 / 63
p0 201.5 ± 0.1835
400
350
300
250
200
150

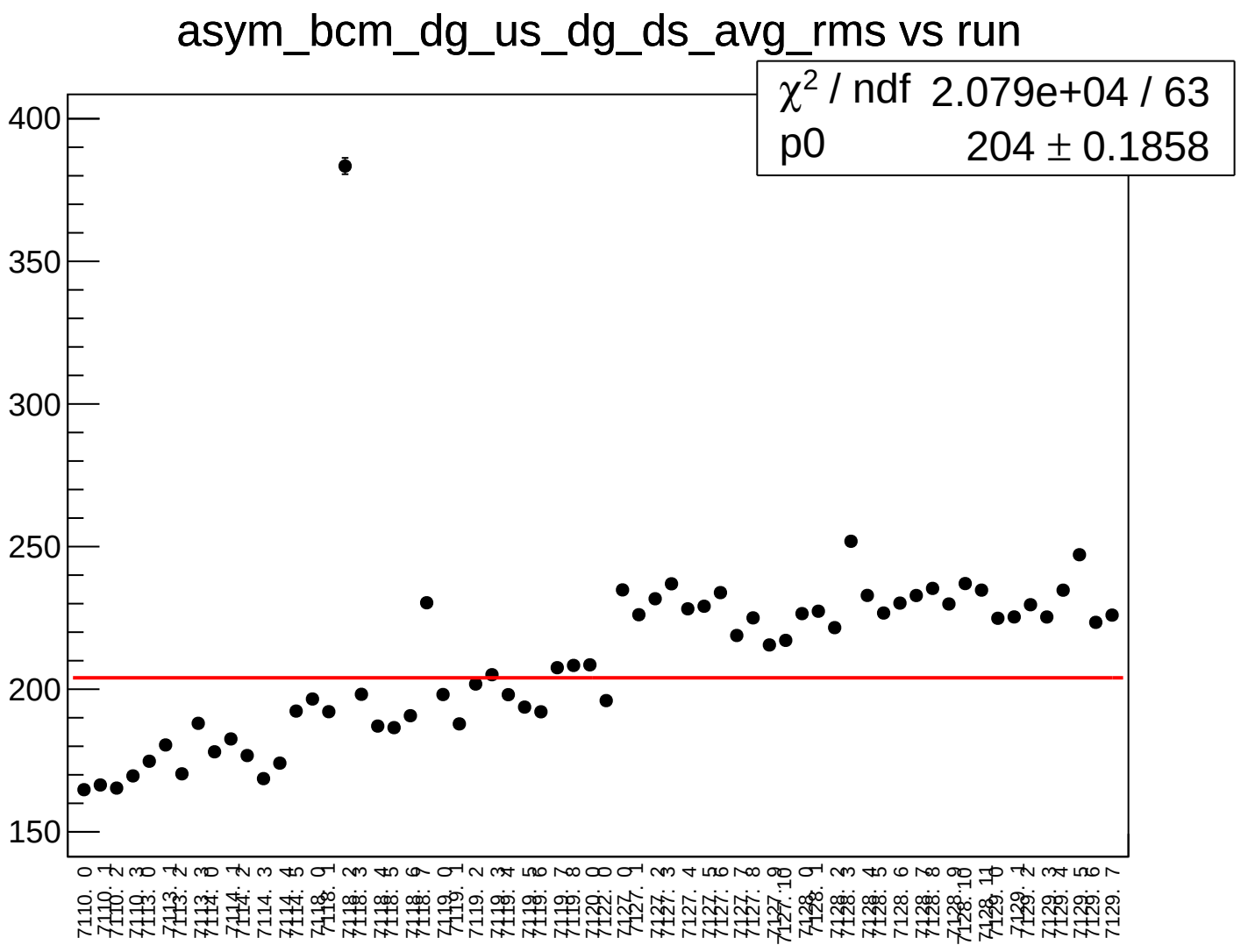

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 51.62 / 63
p0 22.14 ± 12.61
pull
Entries 64
Mean 118.9
Std Dev 0

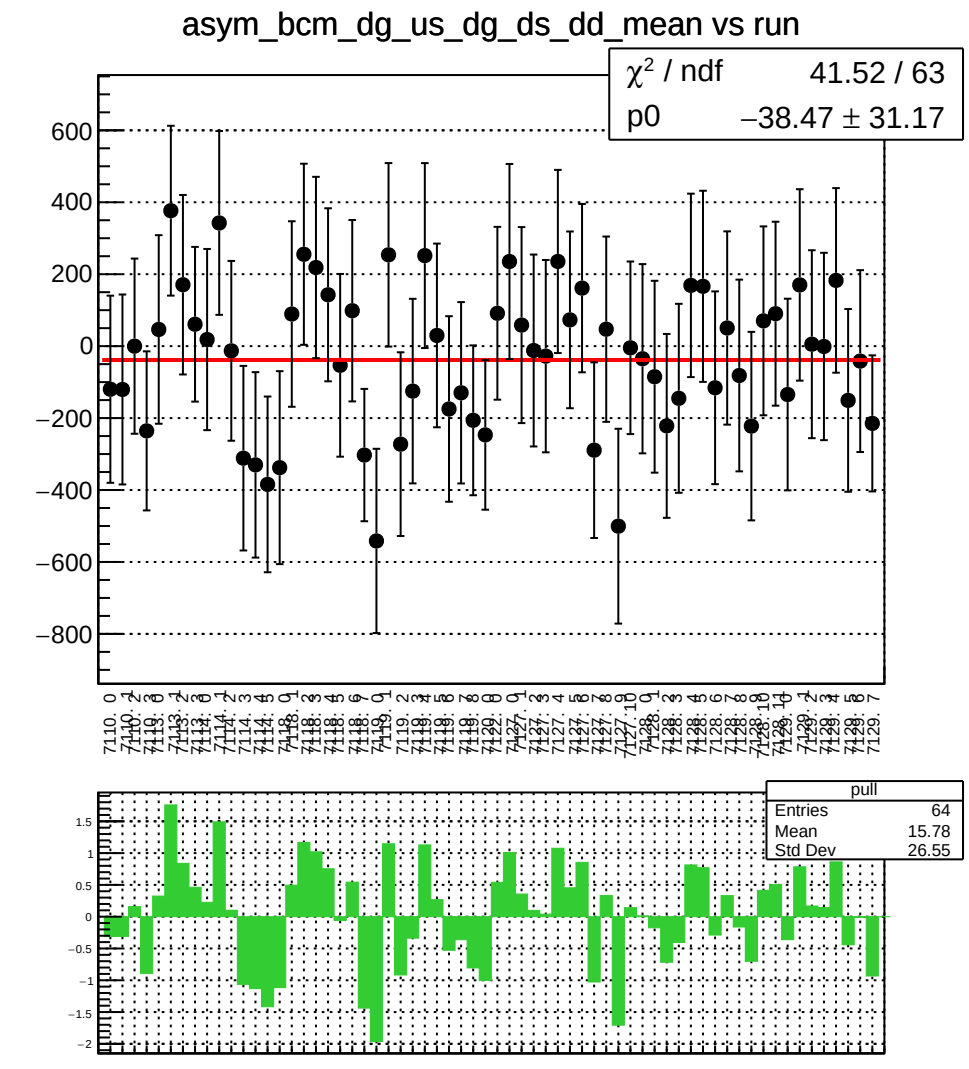

pull1D
Entries 64
Mean −0.001956
Std Dev 0.8981

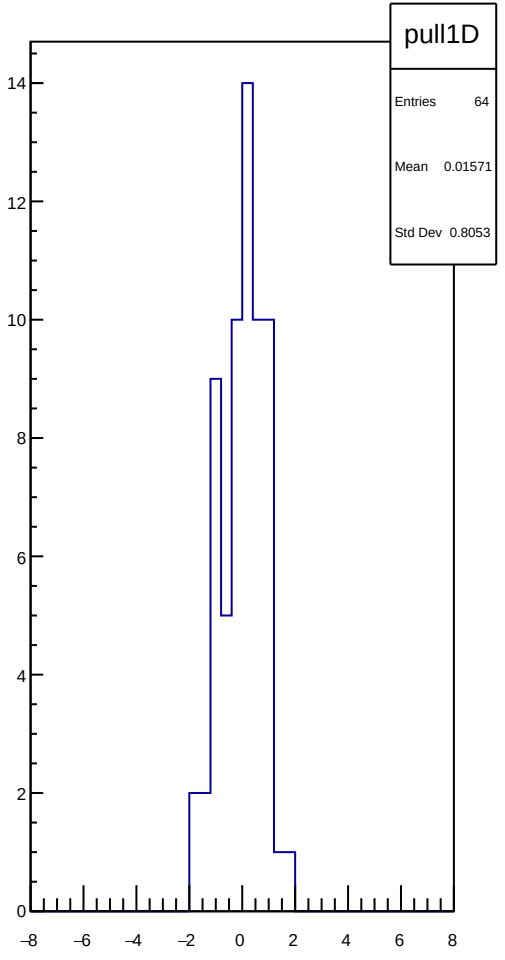

asym_bcm_an_us_an_ds3_dd_rms vs run
χ^2 / ndf 1.195e+04 / 63
p0 9.826 ± 0.008917
16
15
14
13
12
11
10
9

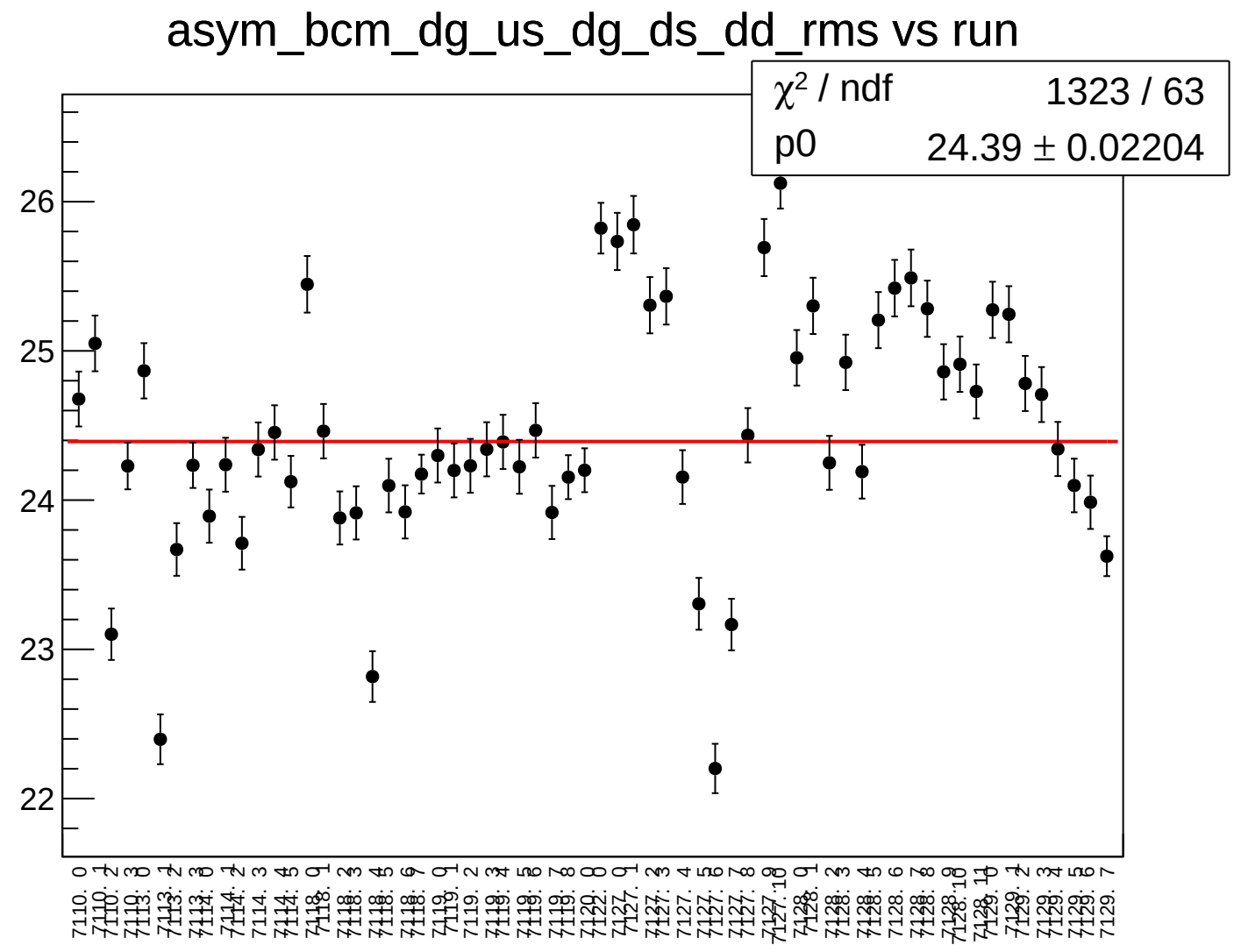

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 10.59 / 63
p0 −178.6 ± 262.8
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 995.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

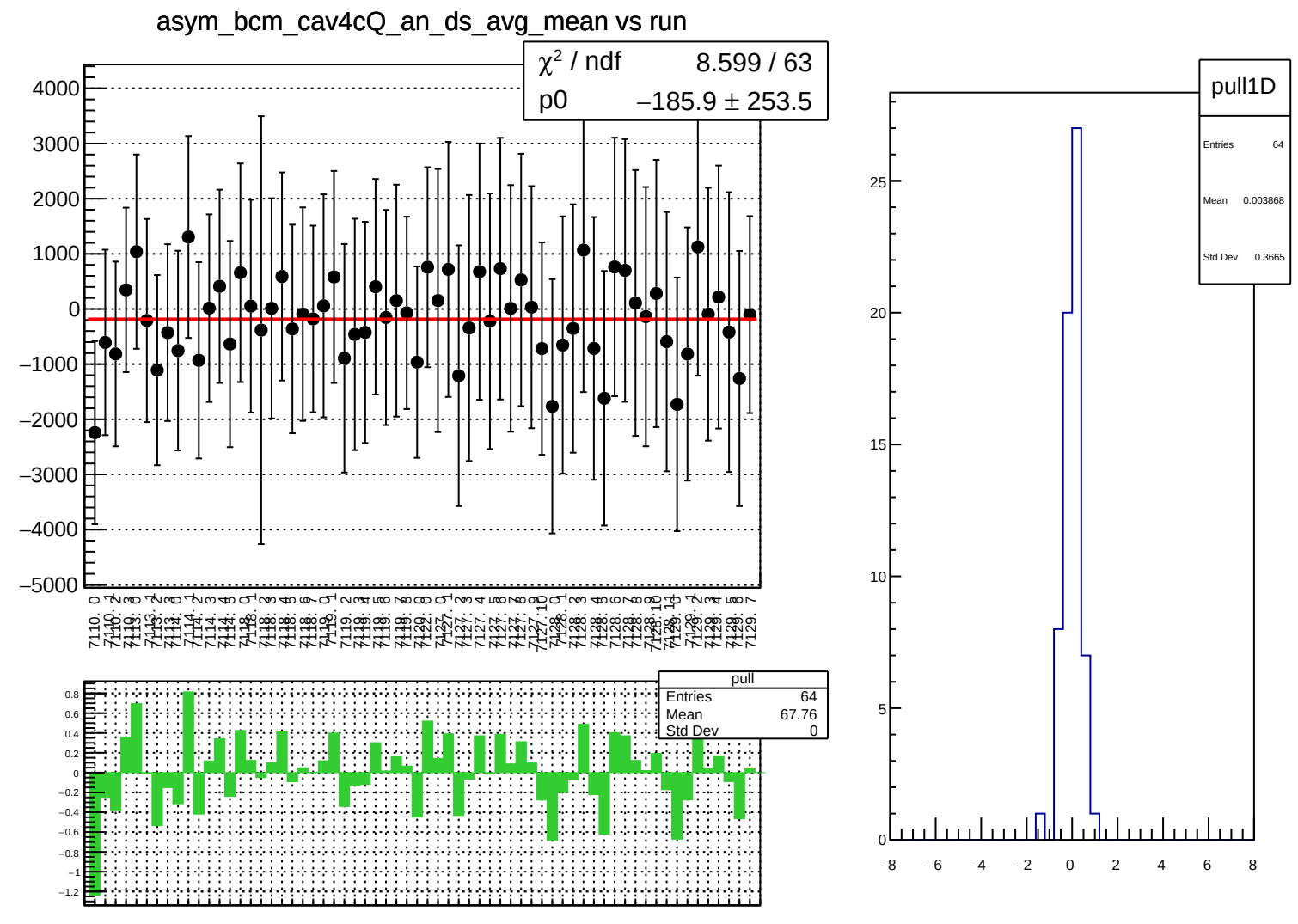

pull1D
Entries 64
Mean −0.0003126
Std Dev 0.4068
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

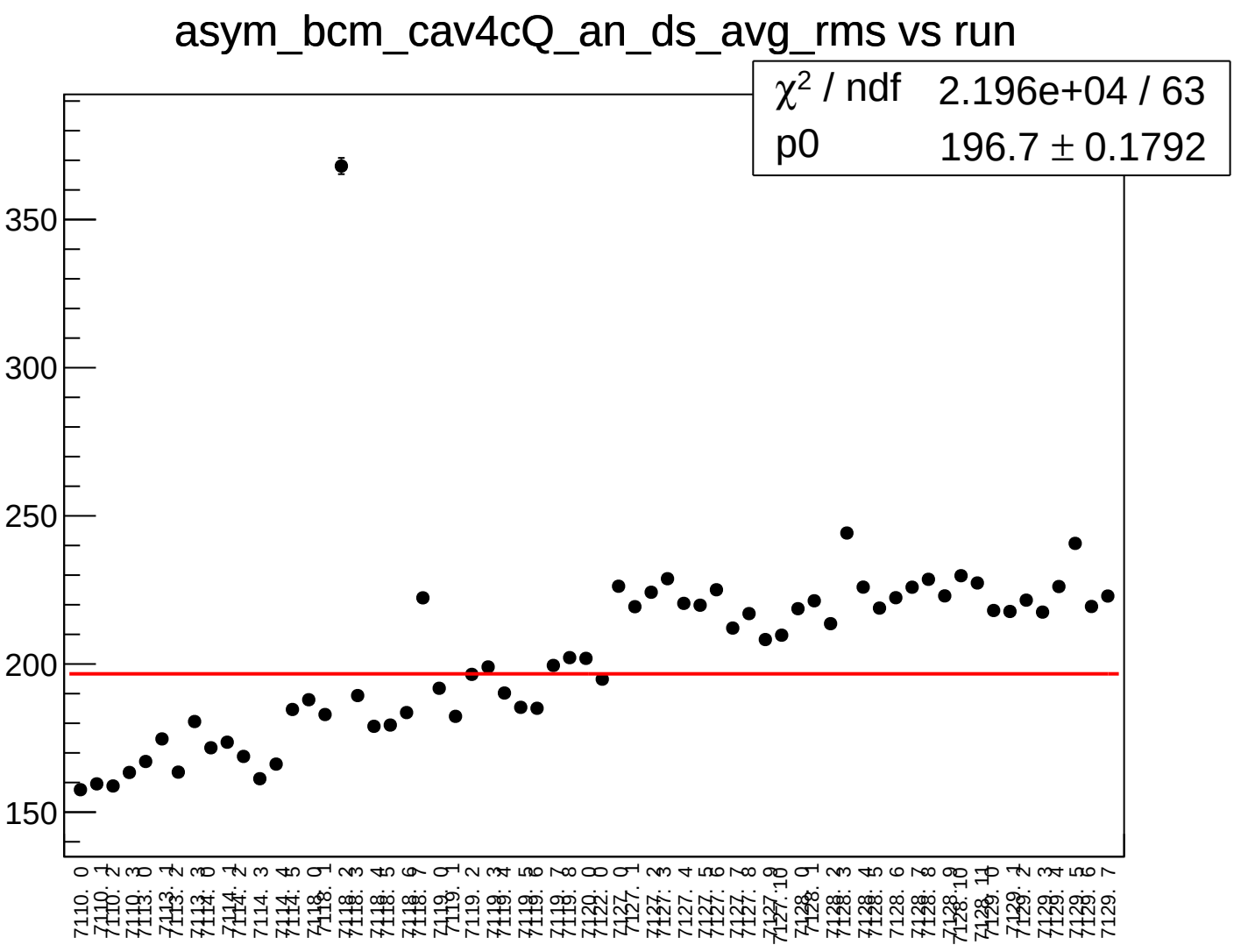

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 2.079e+04 / 63
p0 204 ± 0.1858
400
350
300
250
200
150

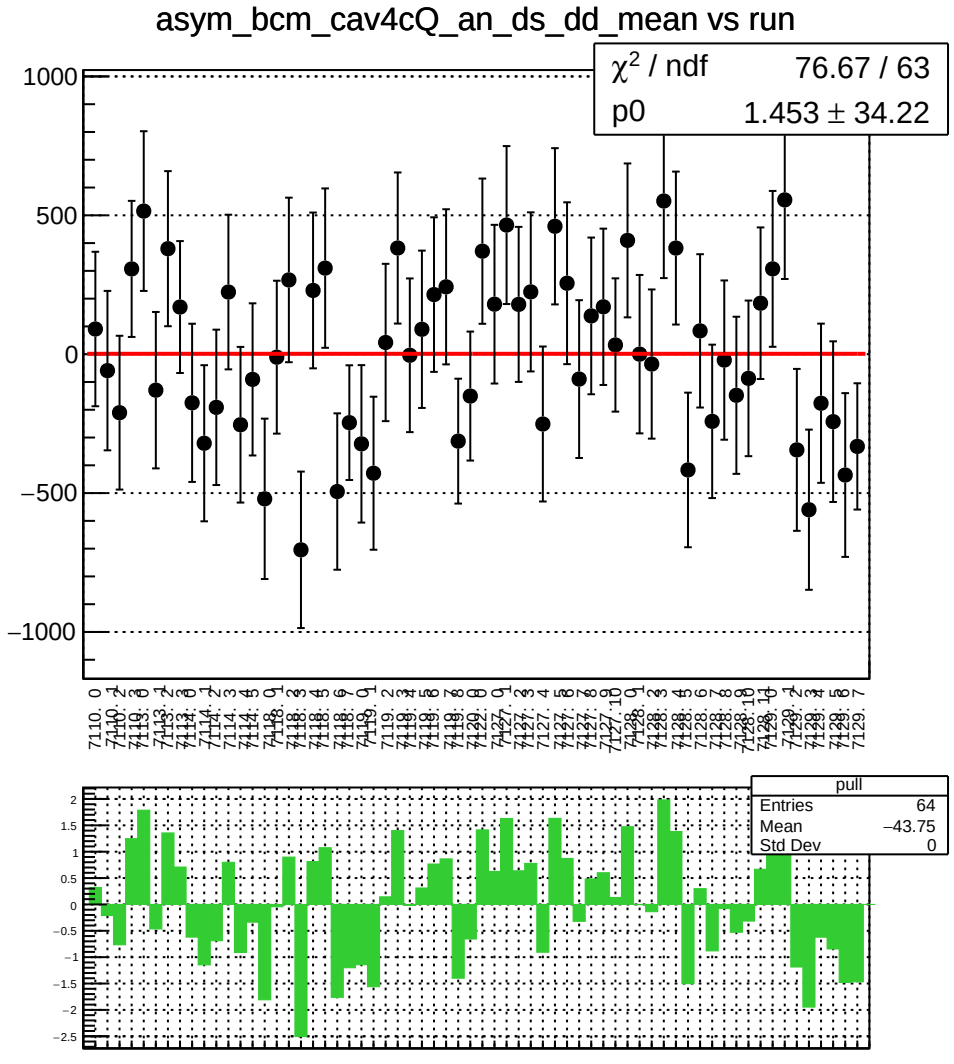

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 41.52 / 63
p0 −38.47 ± 31.17
pull
Entries 64
Mean 15.78
Std Dev 26.55

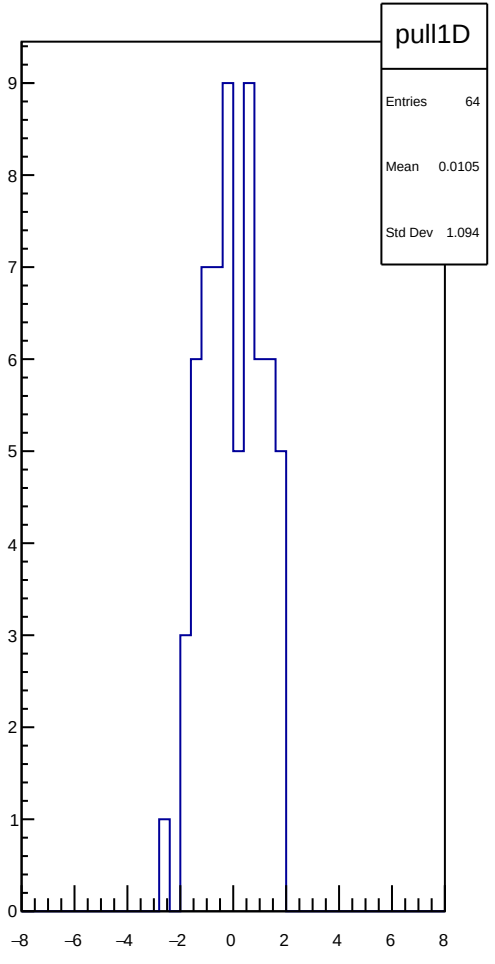

pull1D
Entries 64
Mean 0.01571
Std Dev 0.8053

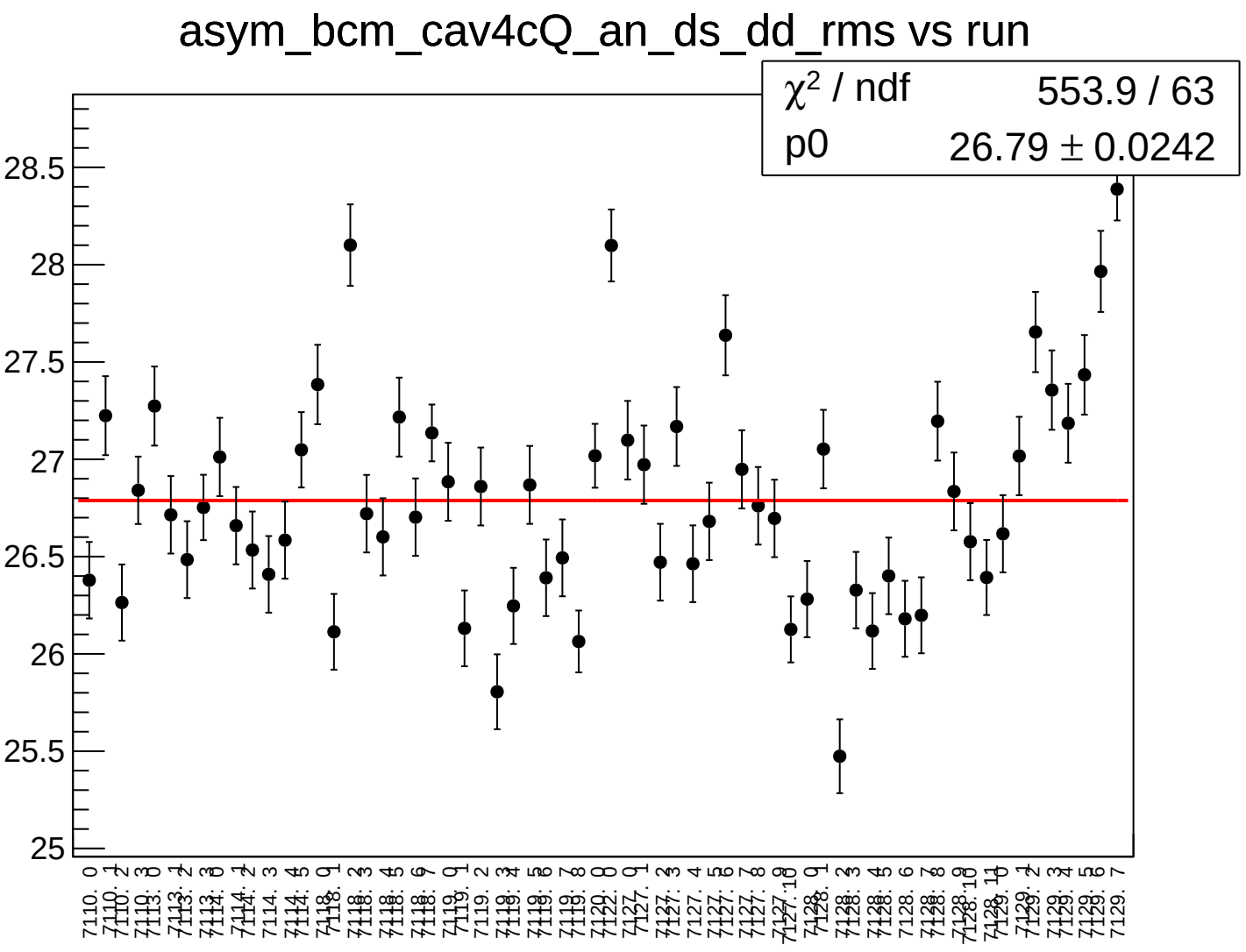

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1323 / 63
p0 24.39 ± 0.02204
26
25
24
23
22

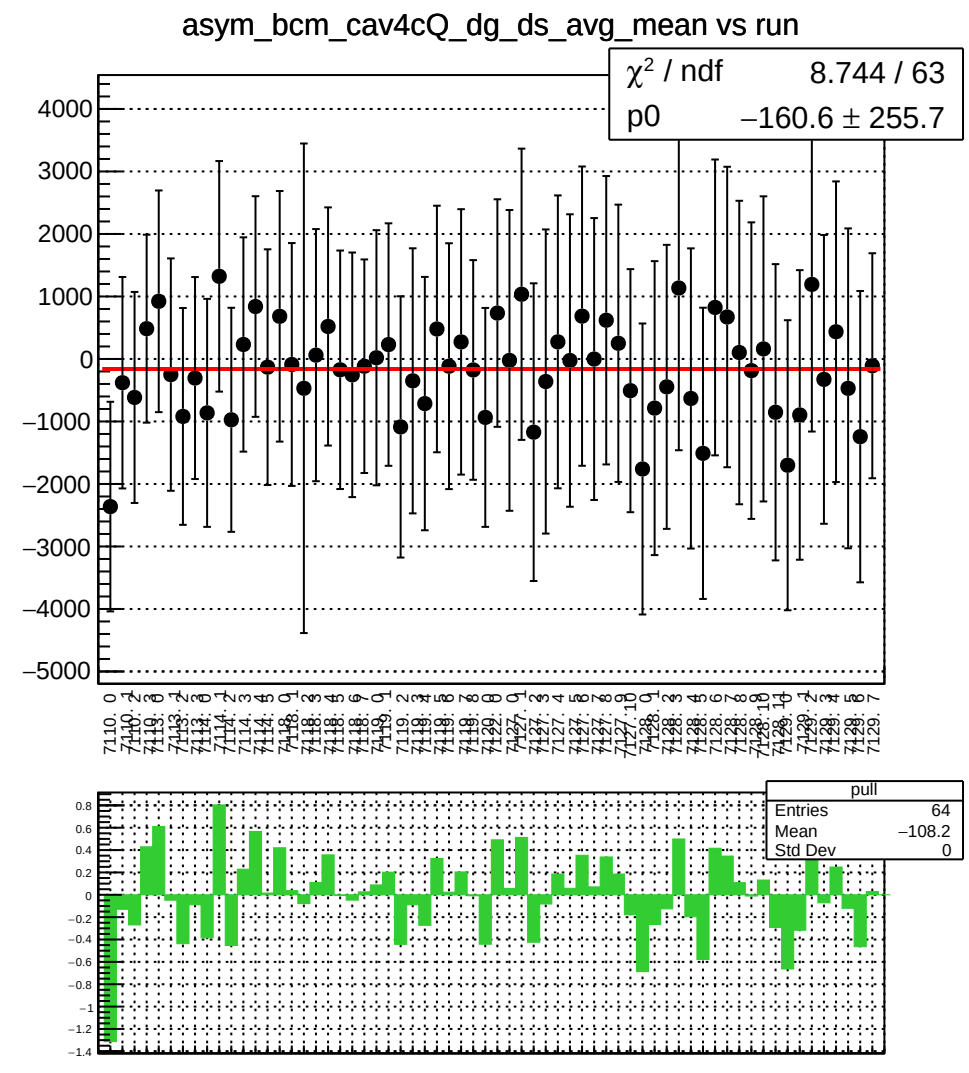

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 8.599 / 63
p0 −185.9 ± 253.5
pull
Entries 64
Mean 67.76
Std Dev 0
pull1D
Entries 64
Mean 0.003868
Std Dev 0.3665

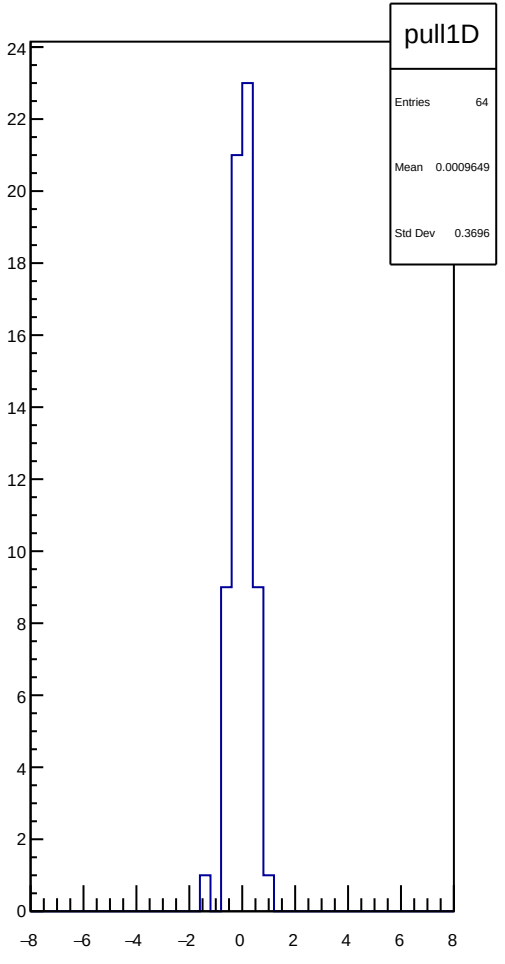

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 2.196e+04 / 63
p0 196.7 ± 0.1792
350
300
250
200
150

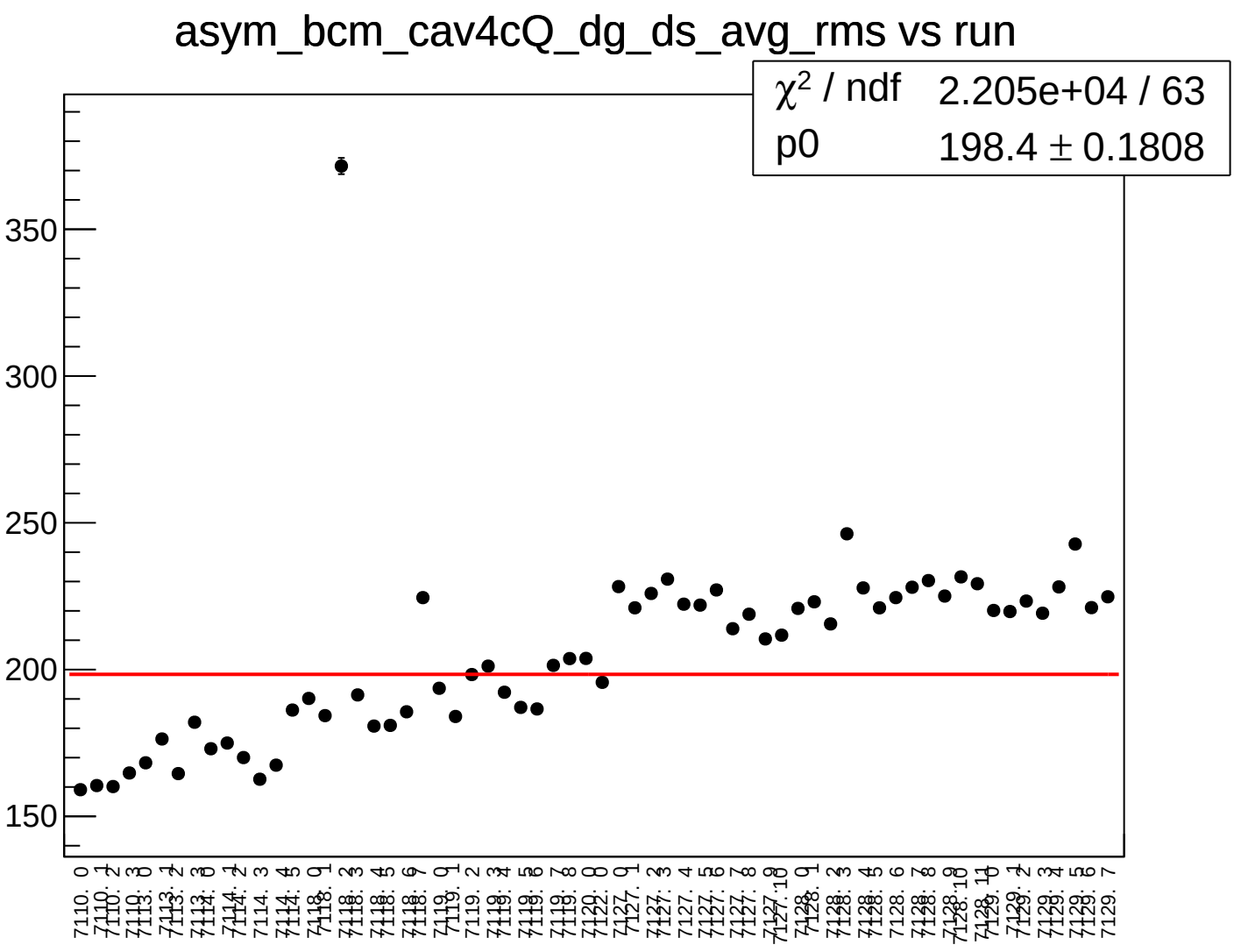

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 76.67 / 63
p0 1.453 ± 34.22
1000
500
0
−500
−1000
pull
Entries 64
Mean −43.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

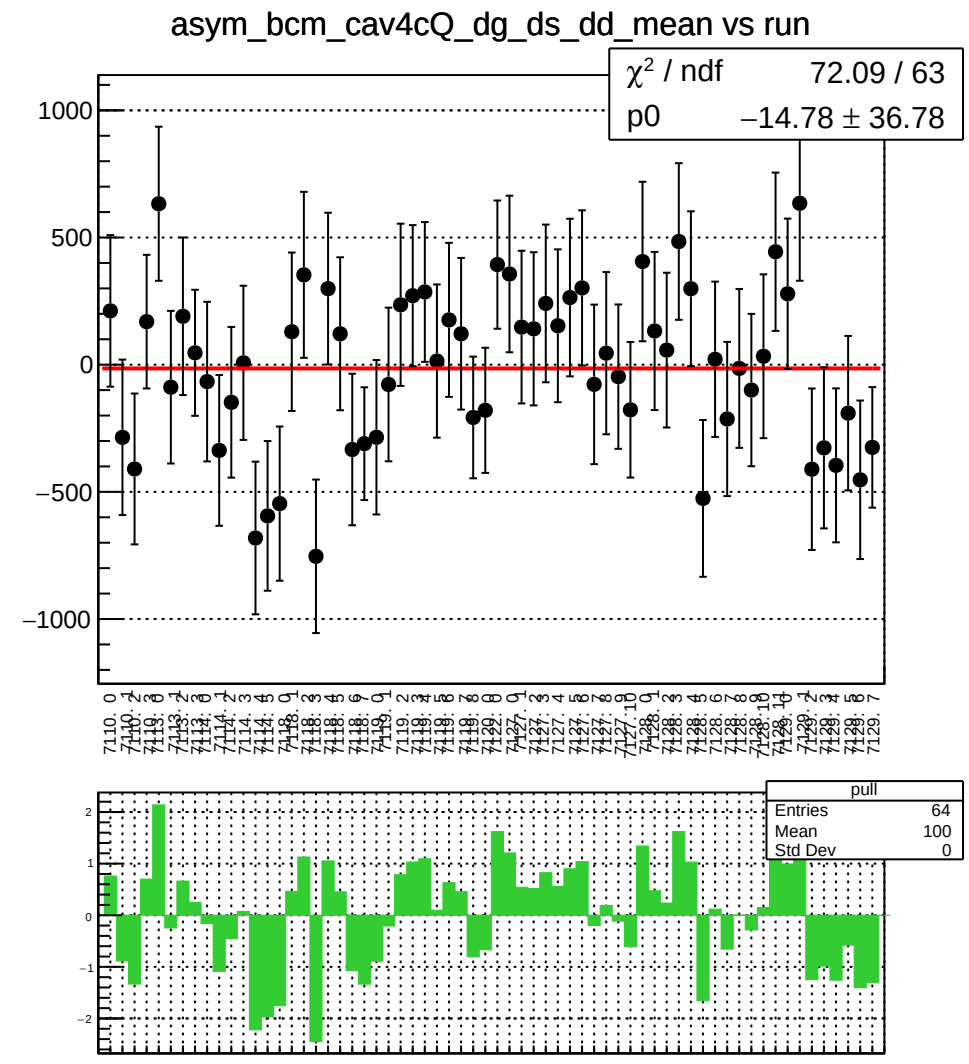

pull1D
Entries 64
Mean 0.0105
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

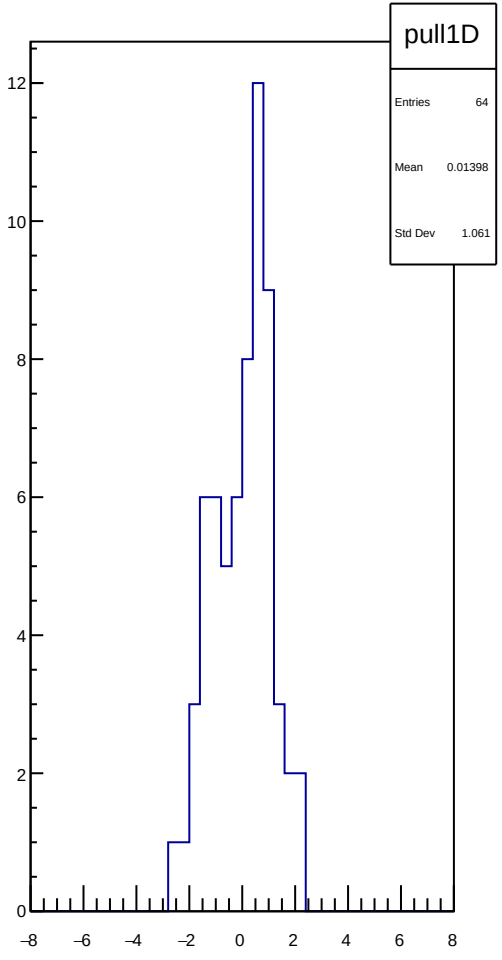

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 553.9 / 63
p0 26.79 ± 0.0242
28.5
28
27.5
27
26.5
26
25.5
25

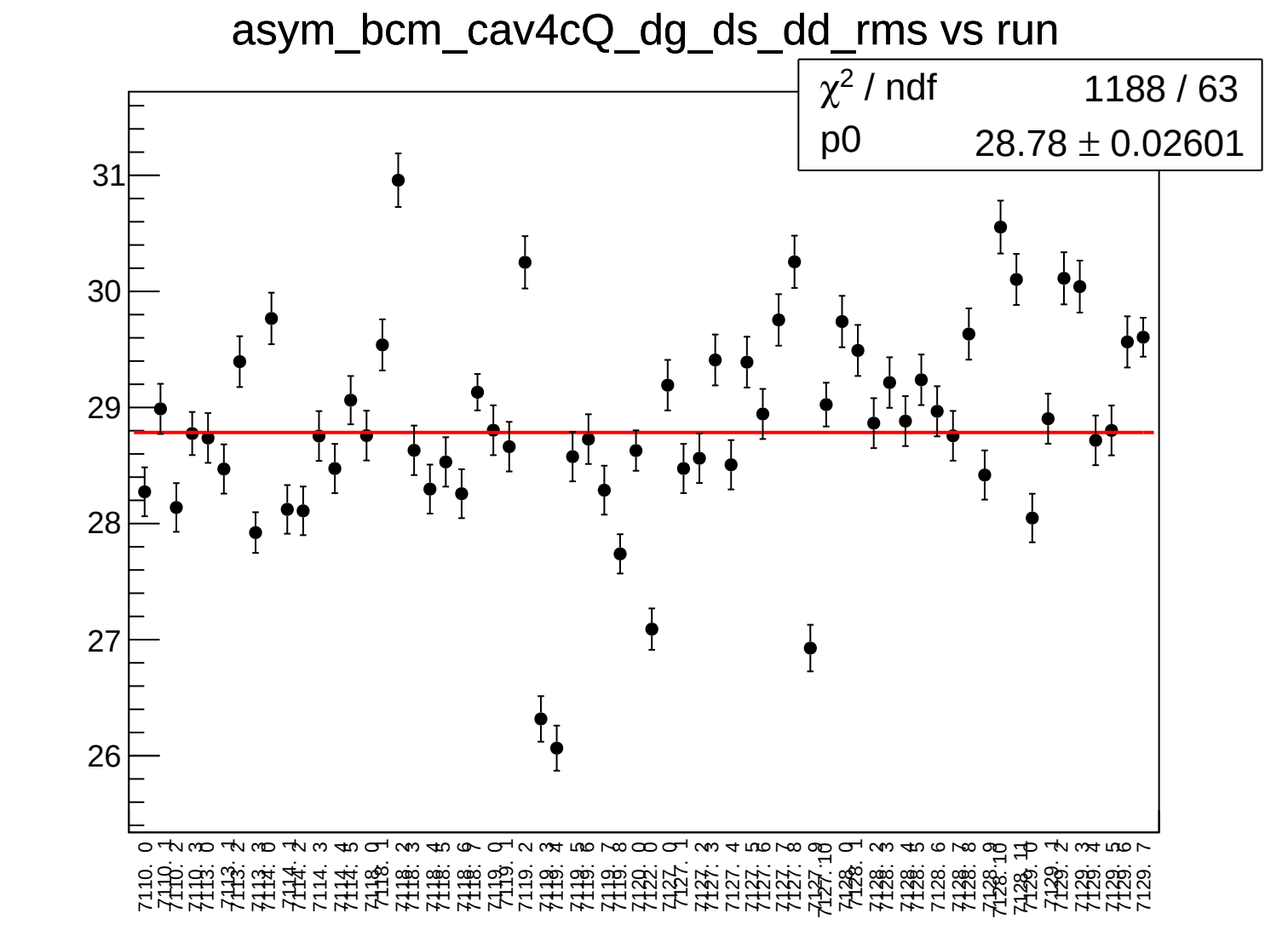

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 8.744 / 63
p0 −160.6 ± 255.7
pull
Entries 64
Mean −108.2
Std Dev 0

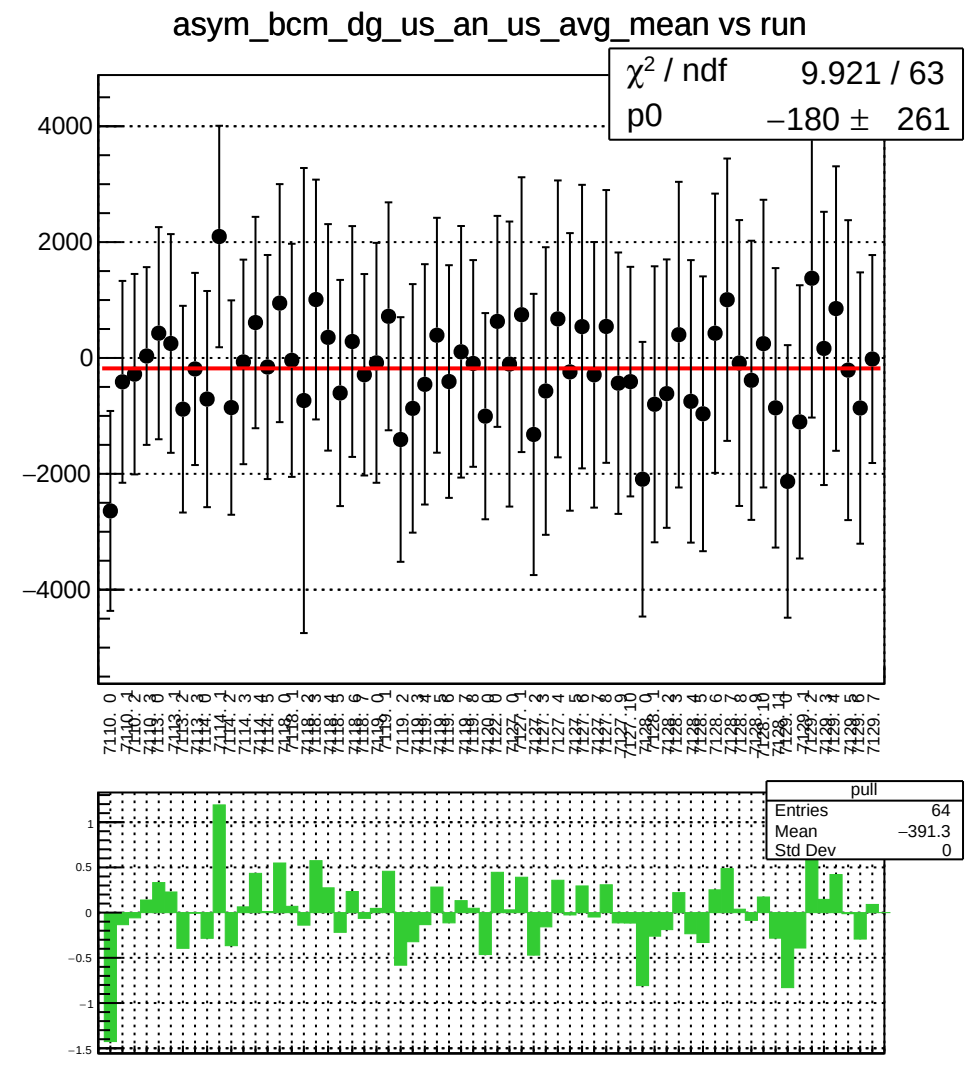

pull1D
Entries 64
Mean 0.0009649
Std Dev 0.3696

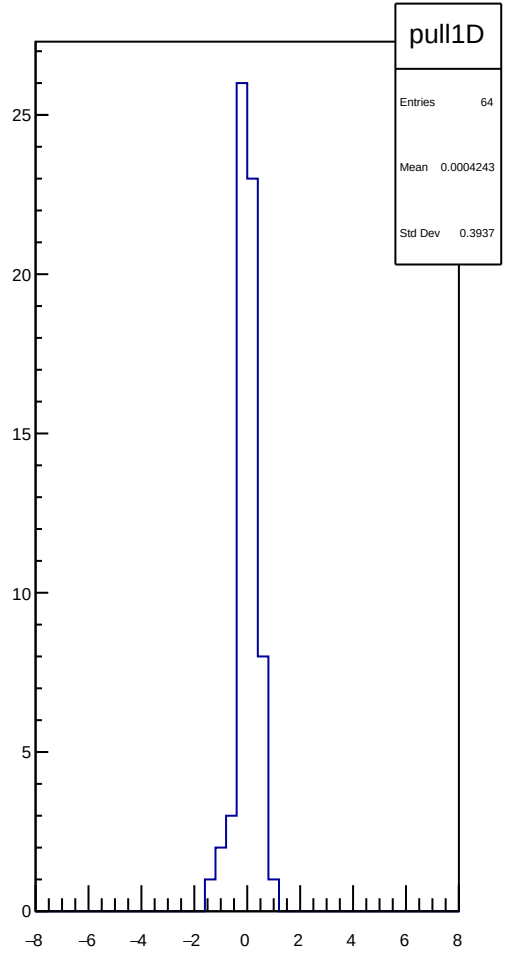

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 2.205e+04 / 63
p0 198.4 ± 0.1808
350
300
250
200
150

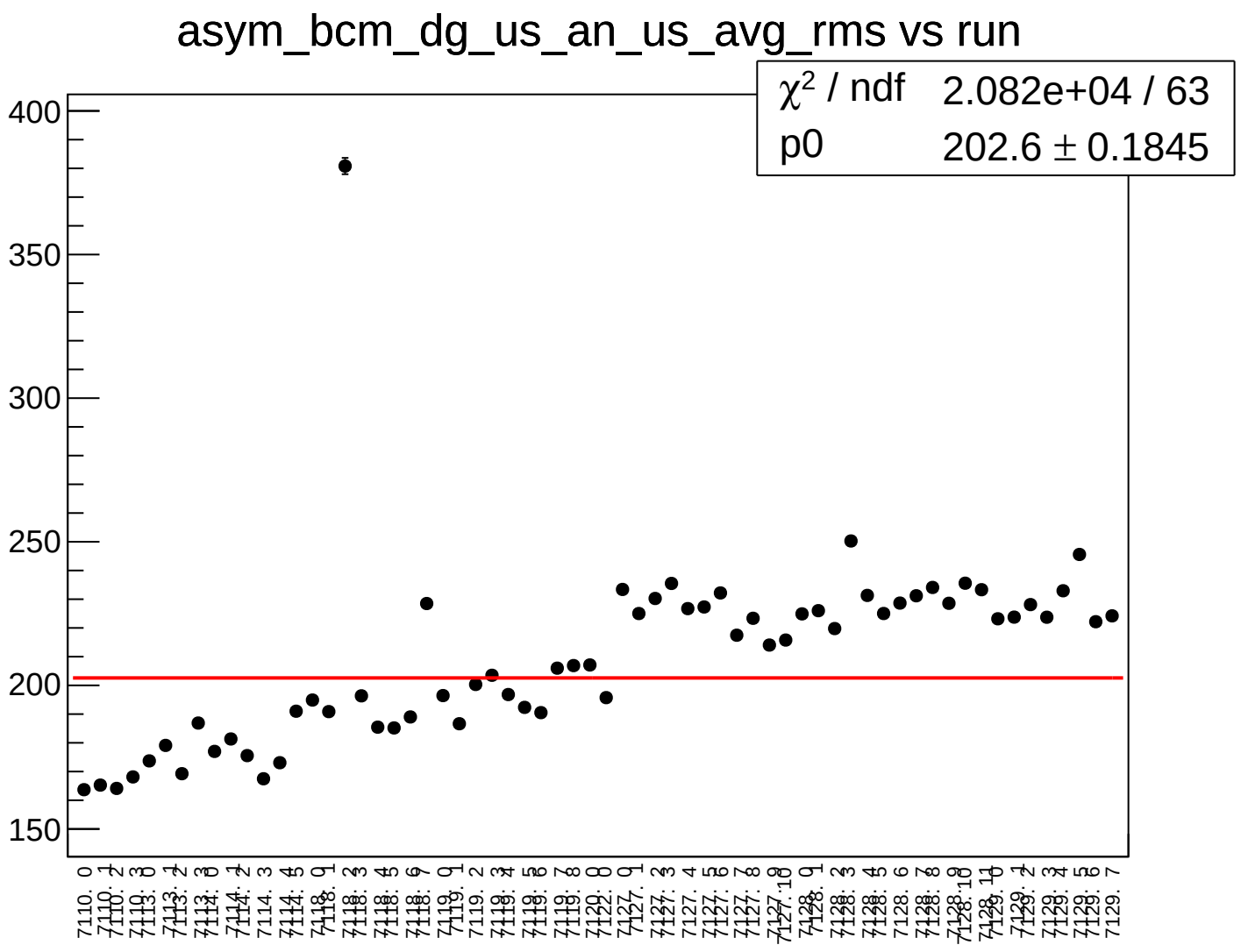

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 72.09 / 63
p0 −14.78 ± 36.78
1000
500
0
−500
−1000
pull
Entries 64
Mean 100
Std Dev 0
2
1
0
−1
−2

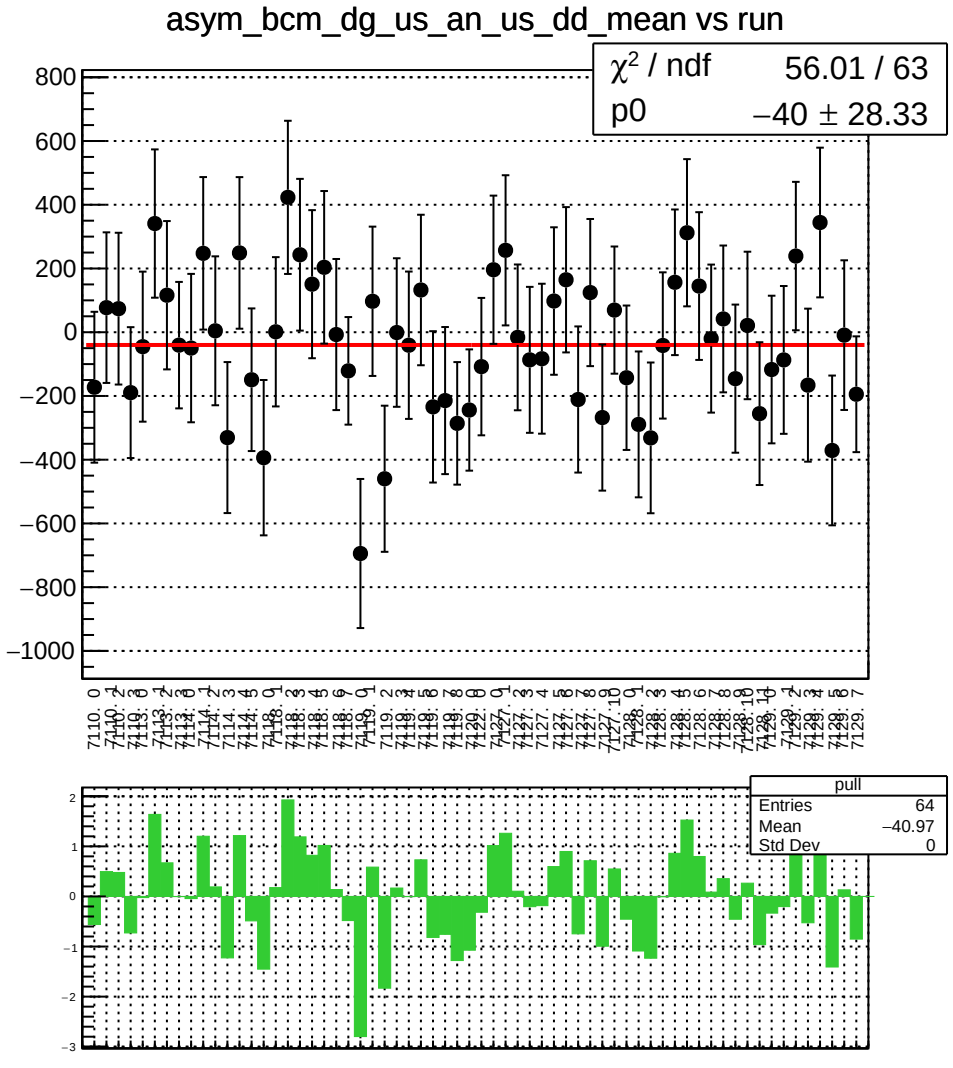

pull1D
Entries 64
Mean 0.01398
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

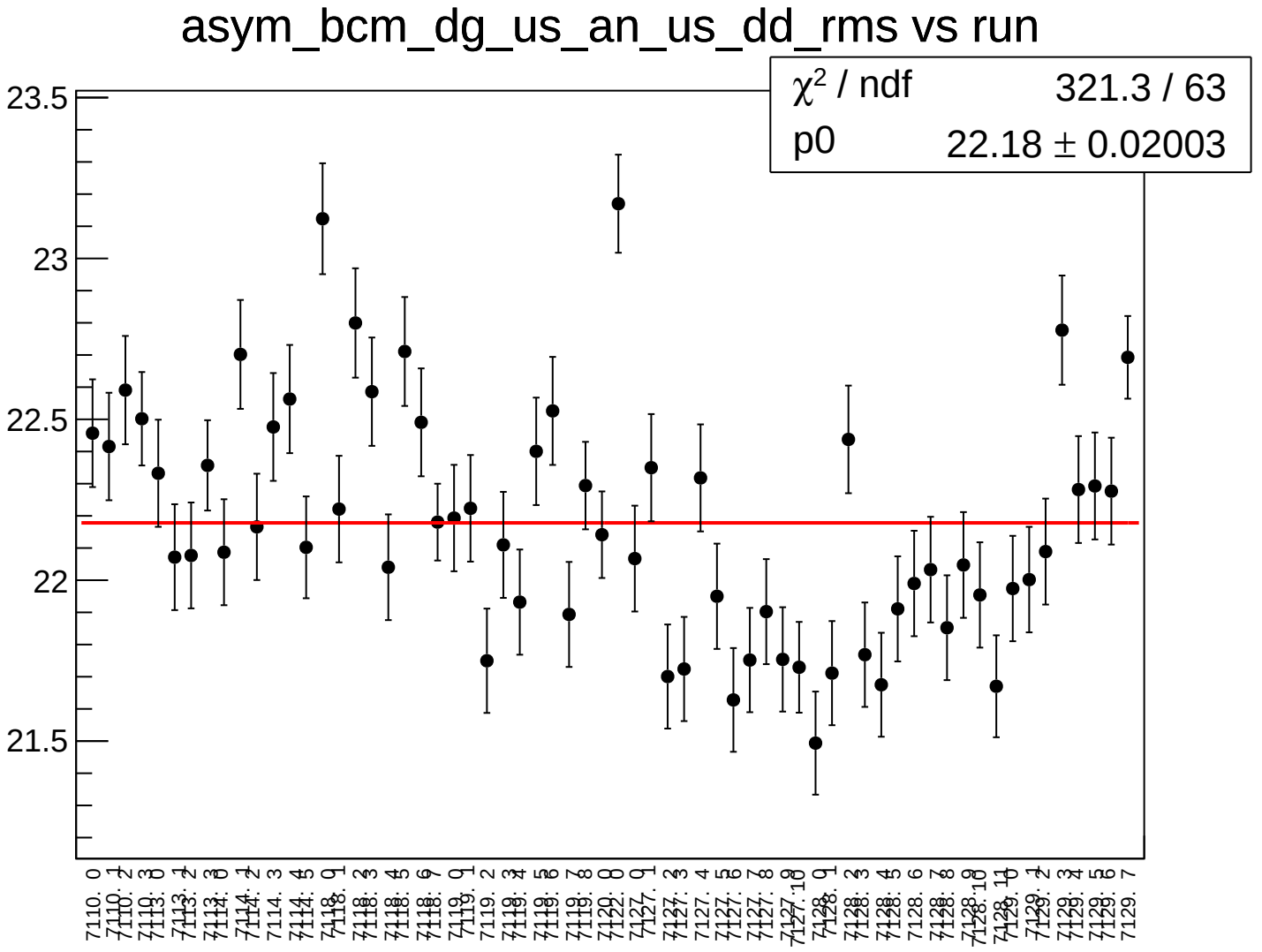

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1188 / 63
p0 28.78 ± 0.02601
31
30
29
28
27
26

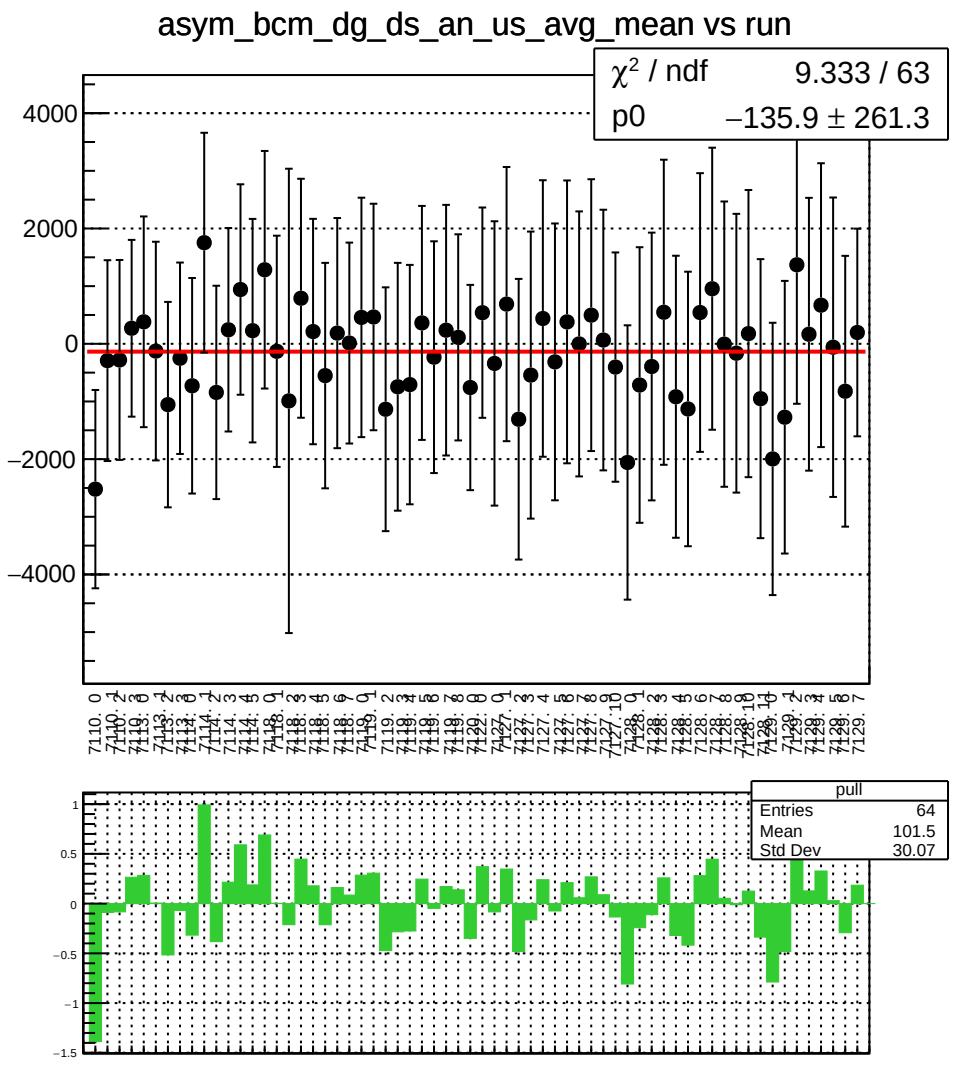

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 9.921 / 63
p0 −180 ± 261
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −391.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

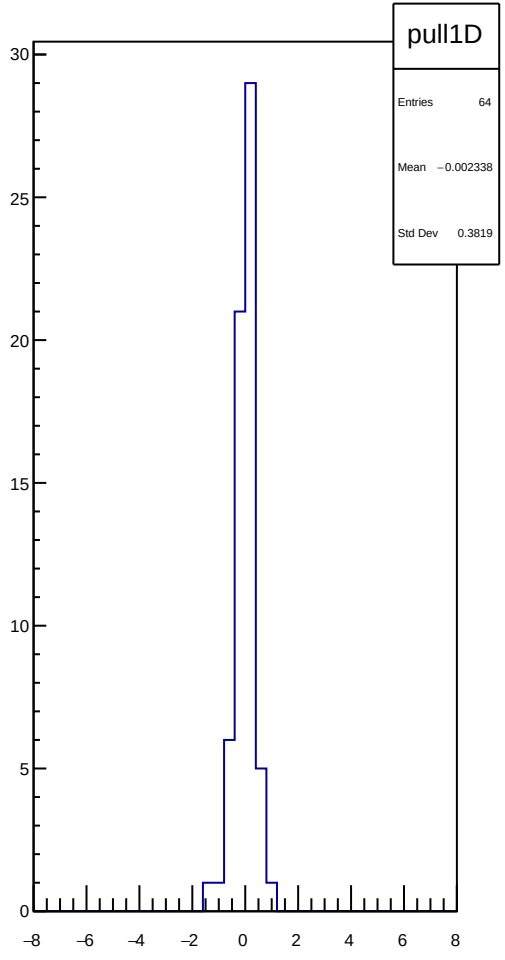

pull1D
Entries 64
Mean 0.0004243
Std Dev 0.3937
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

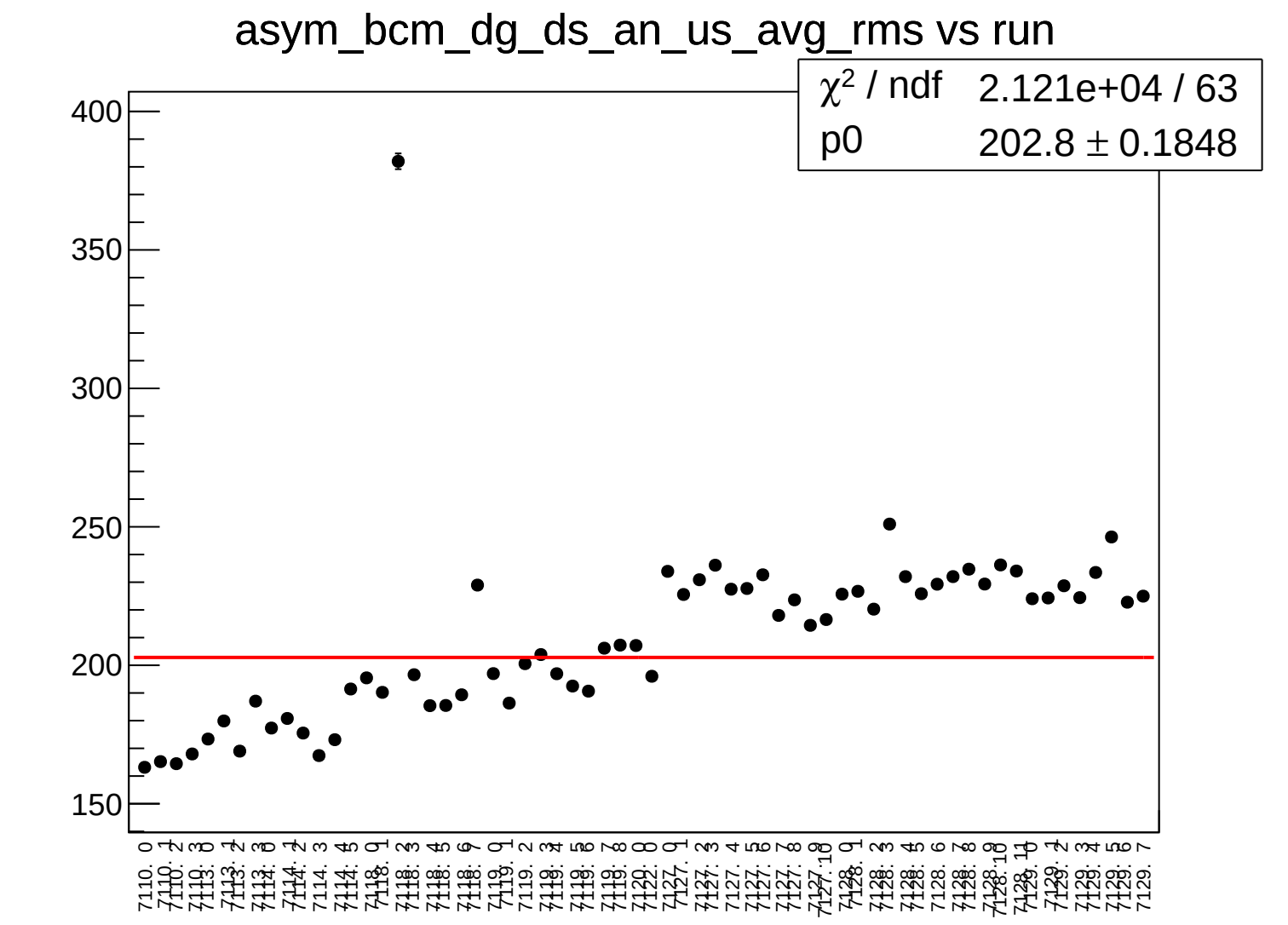

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 2.082e+04 / 63
p0 202.6 ± 0.1845
400
350
300
250
200
150

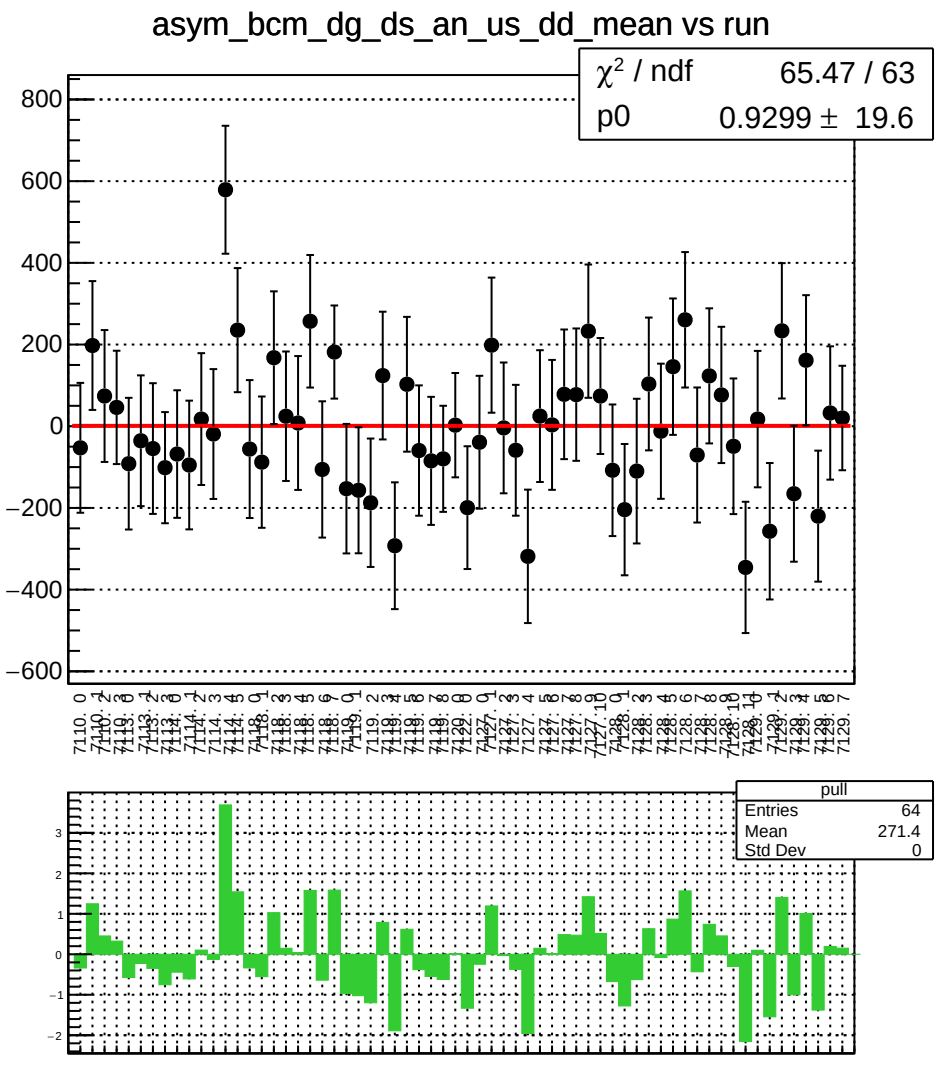

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 56.01 / 63
p0 −40 ± 28.33
pull
Entries 64
Mean −40.97
Std Dev 0
pull1D
Entries 64
Mean 0.01738
Std Dev 0.9354

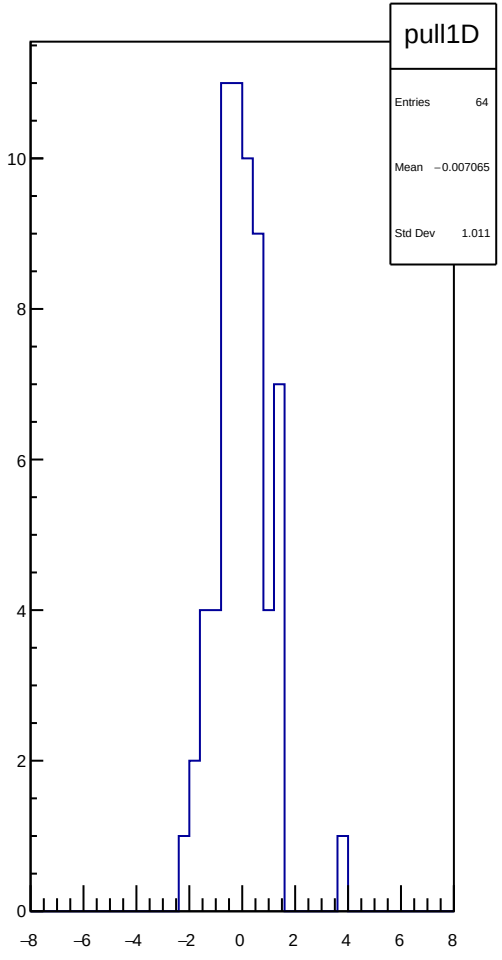

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 321.3 / 63
p0 22.18 ± 0.02003
23.5
23
22.5
22
21.5

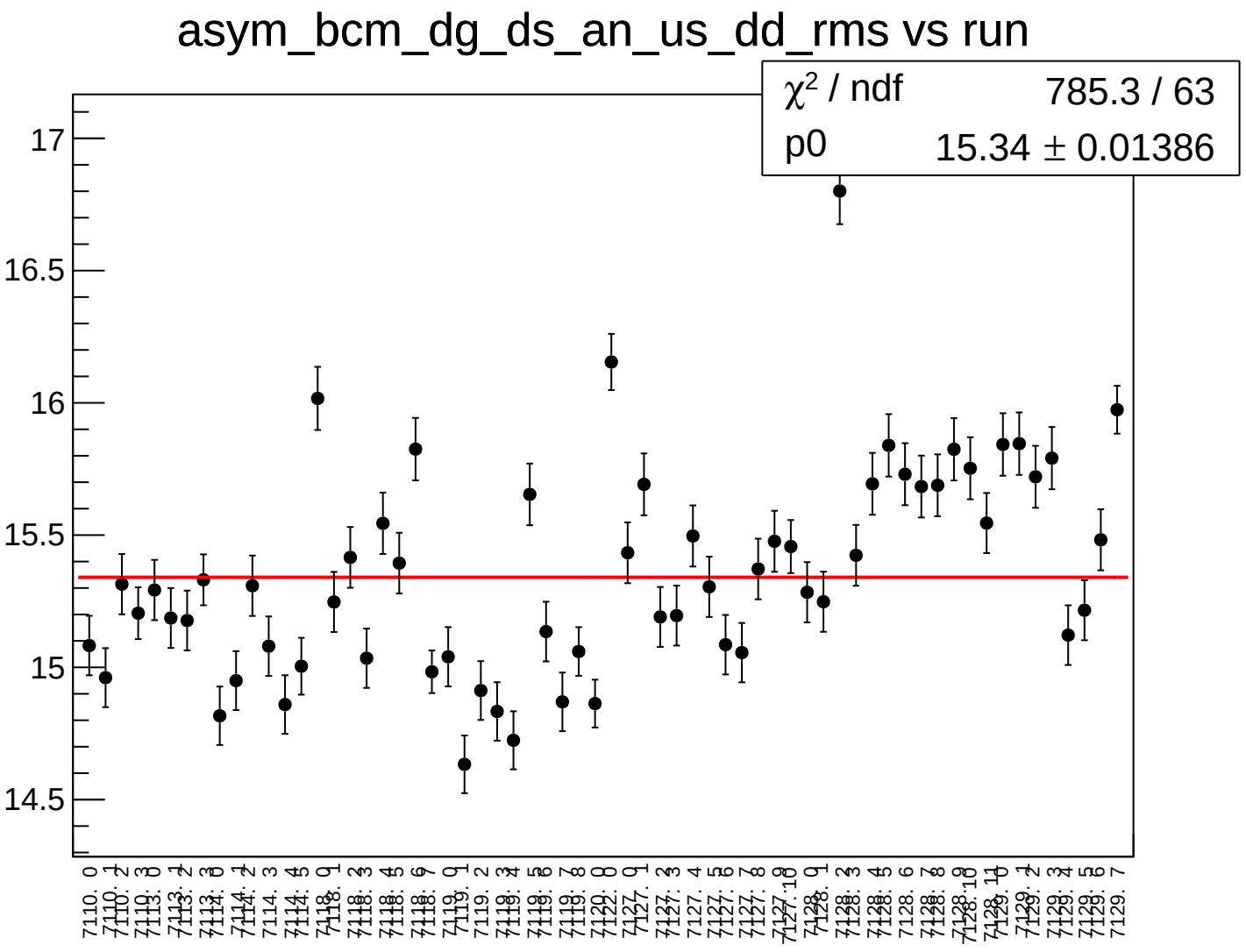

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 9.333 / 63
p0 −135.9 ± 261.3
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 101.5
Std Dev 30.07
1
0.5
0
−0.5
−1
−1.5

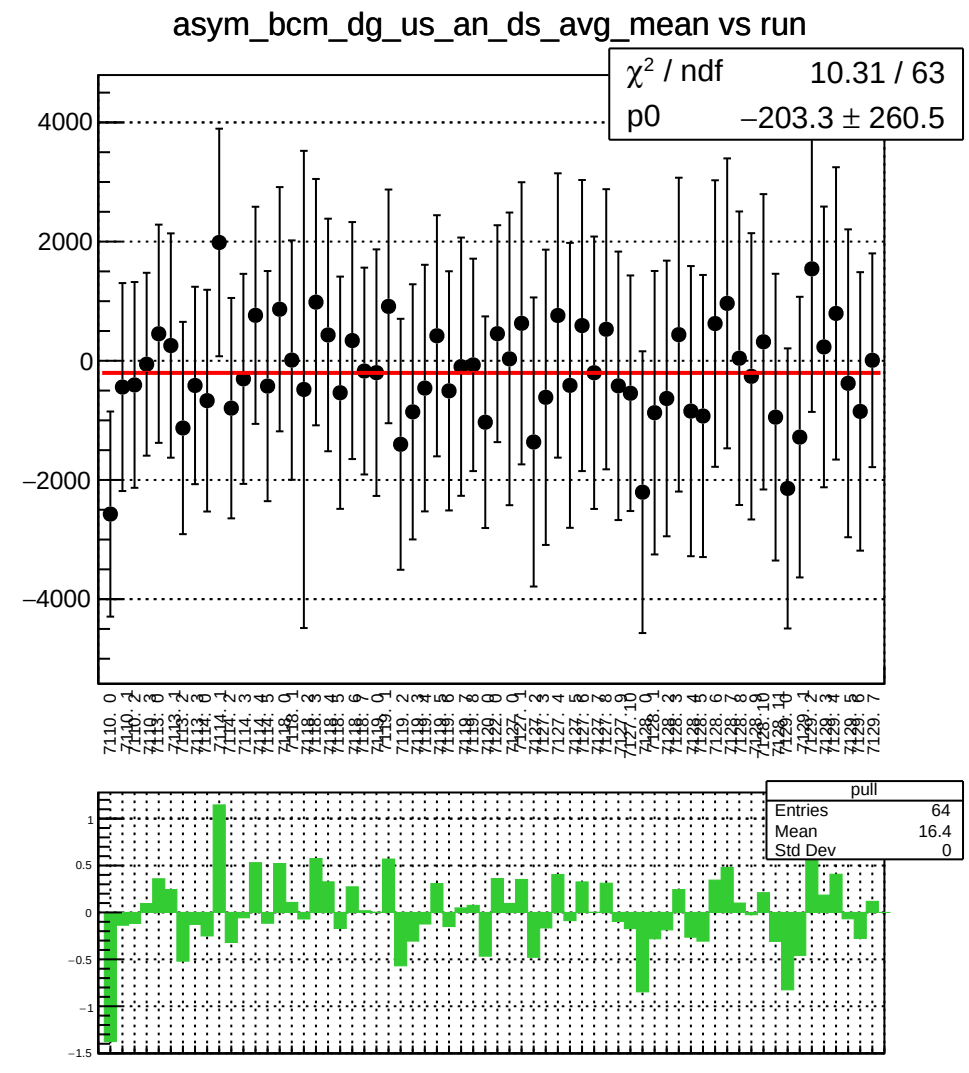

pull1D
Entries 64
Mean −0.002338
Std Dev 0.3819
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

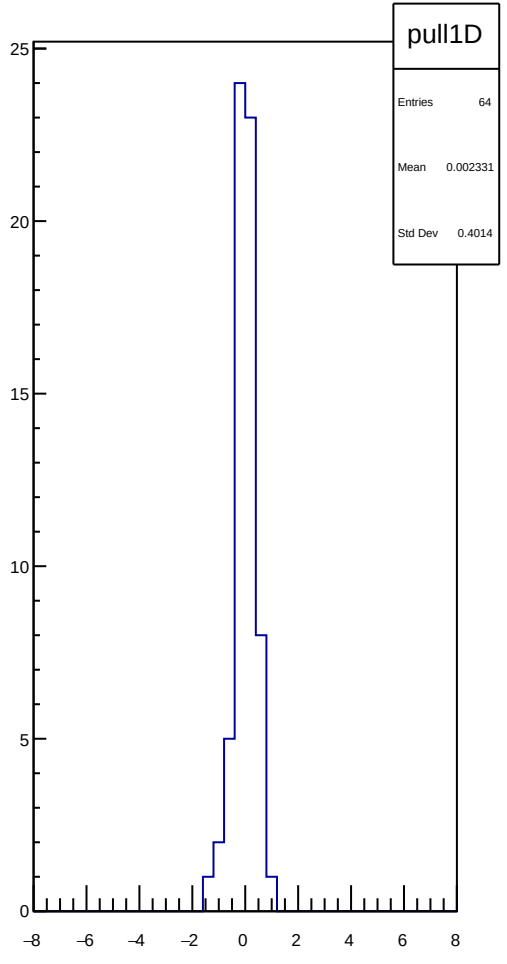

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 2.121e+04 / 63
p0 202.8 ± 0.1848
400
350
300
250
200
150

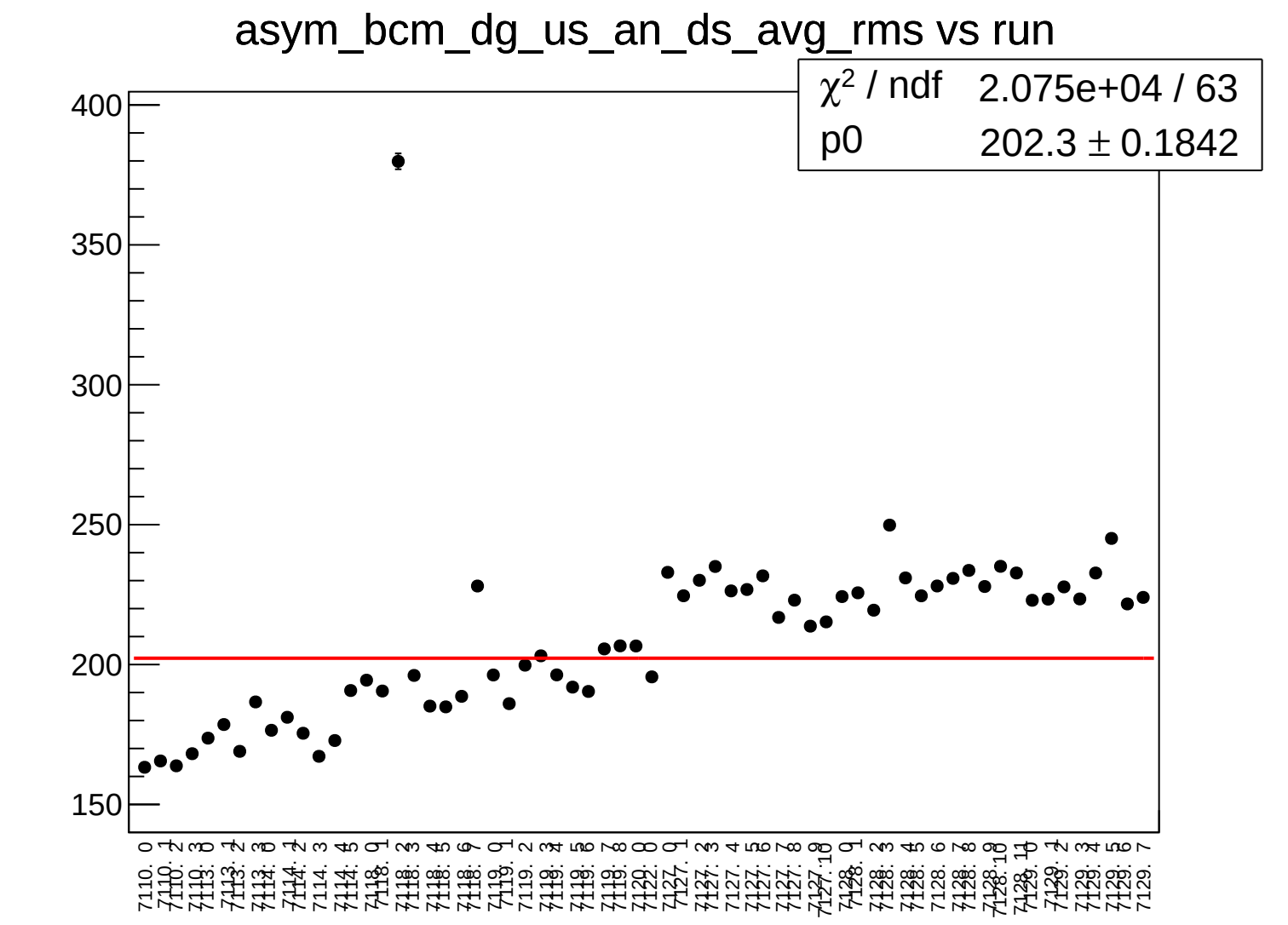

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 65.47 / 63
p0 0.9299 ± 19.6
pull
Entries 64
Mean 271.4
Std Dev 0

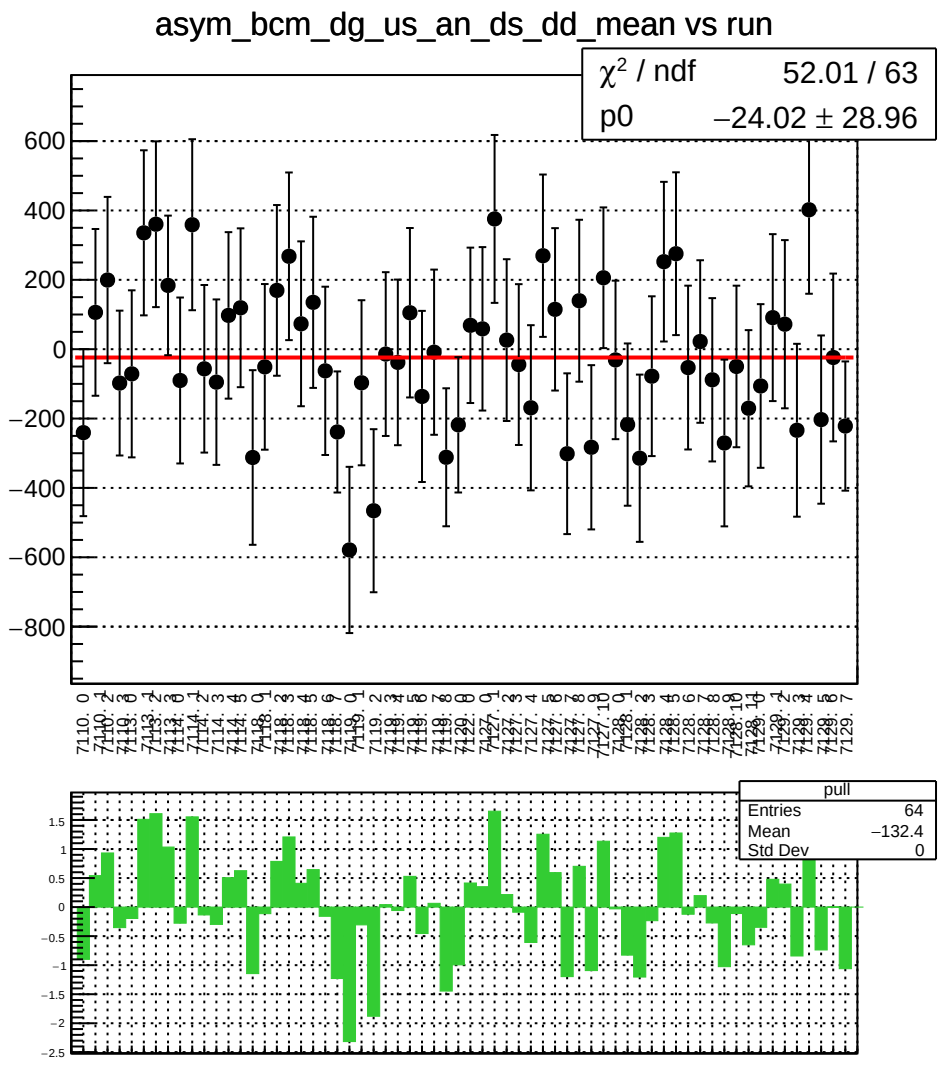

pull1D
Entries 64
Mean −0.007065
Std Dev 1.011

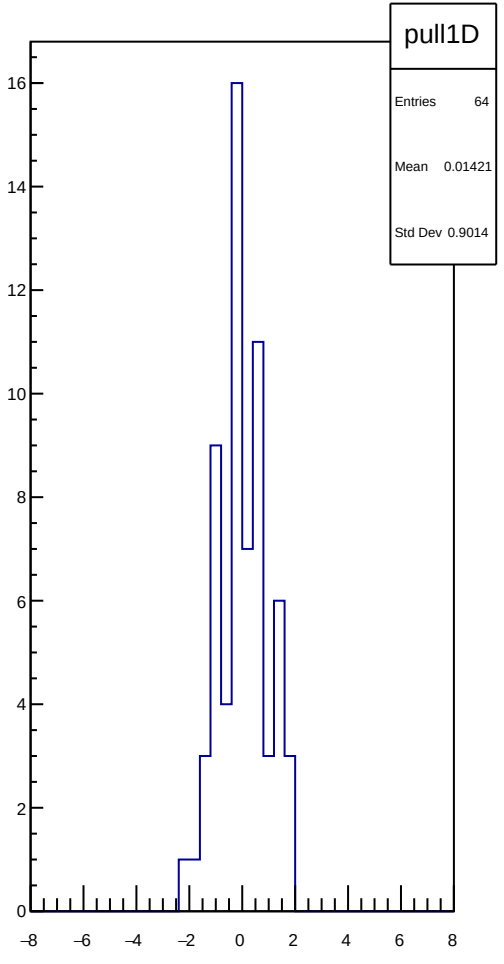

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 785.3 / 63
p0 15.34 ± 0.01386
17
16.5
16
15.5
15
14.5

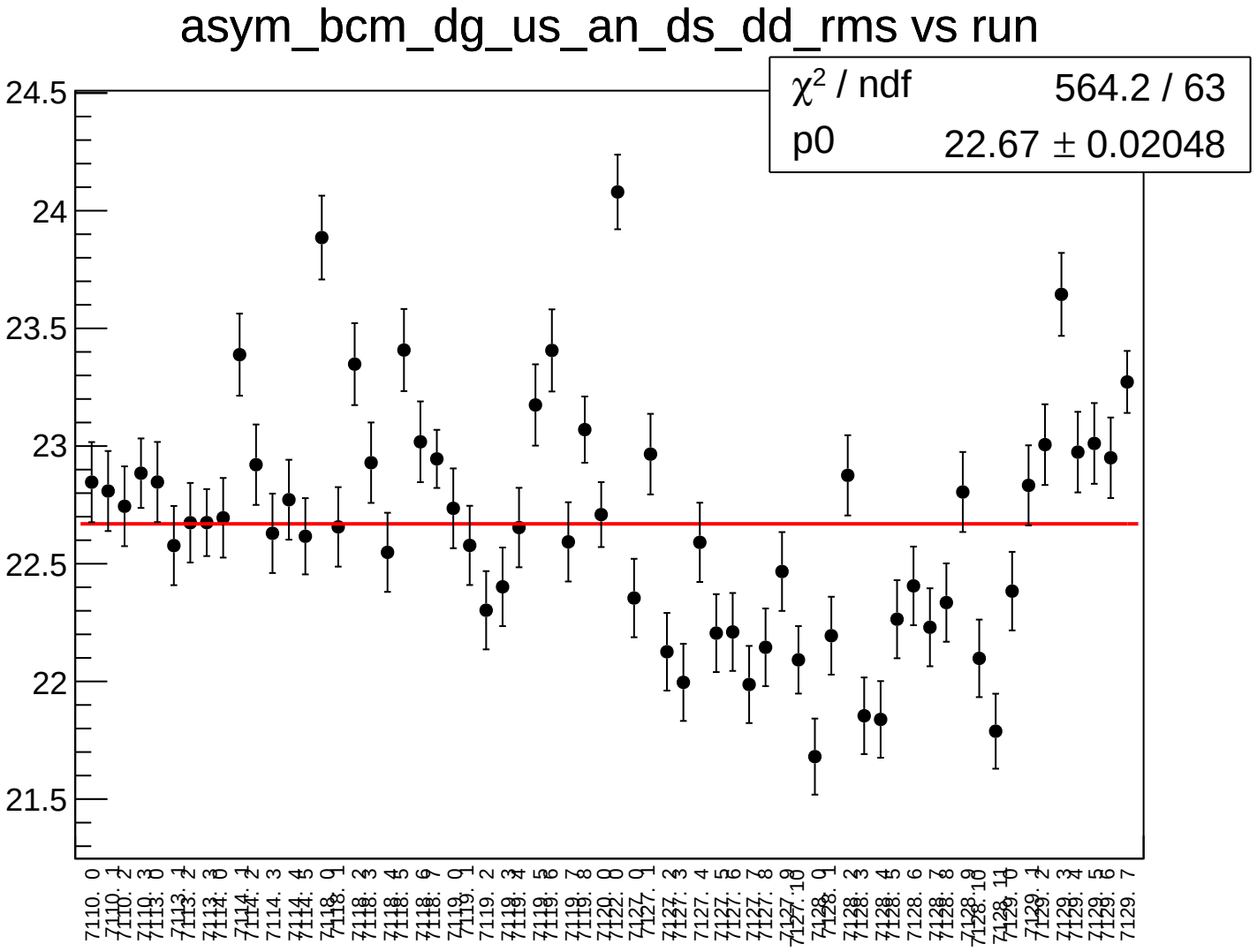

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 10.31 / 63
p0 −203.3 ± 260.5
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 16.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

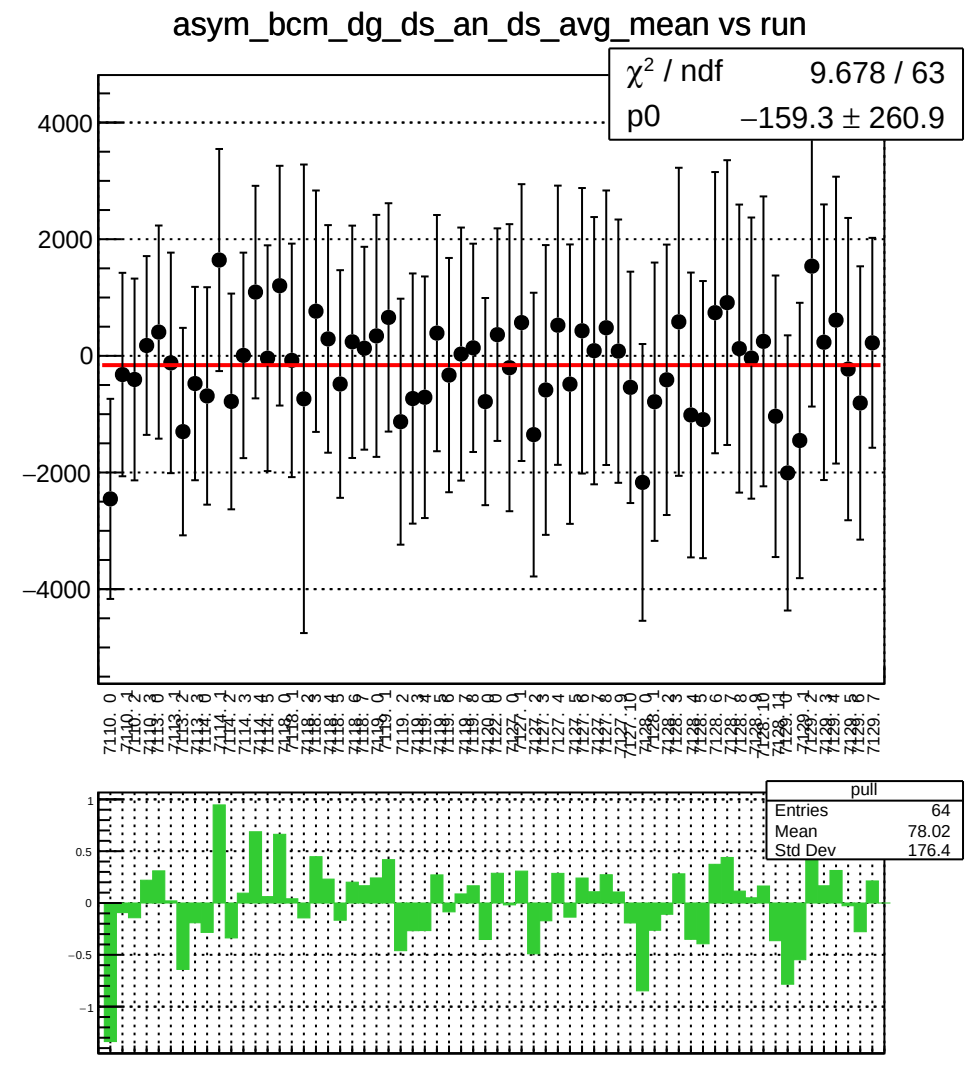

pull1D
Entries 64
Mean 0.002331
Std Dev 0.4014
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

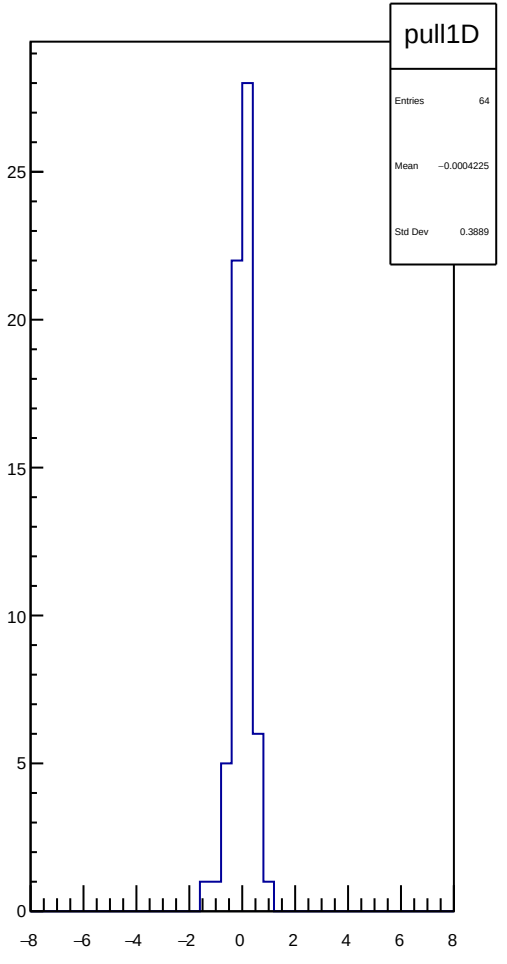

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 2.075e+04 / 63
p0 202.3 ± 0.1842
400
350
300
250
200
150

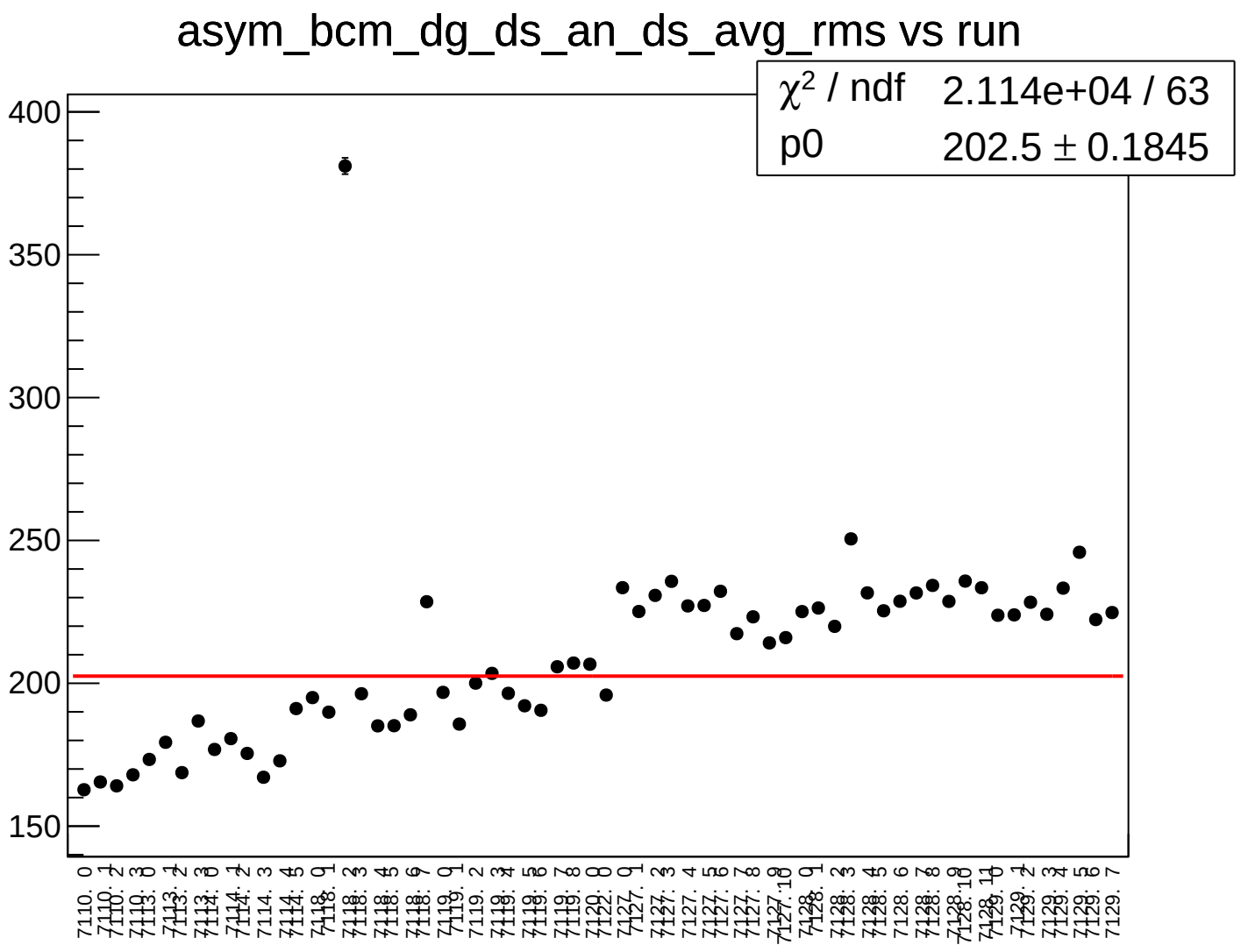

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 52.01 / 63
p0 −24.02 ± 28.96
pull
Entries 64
Mean −132.4
Std Dev 0

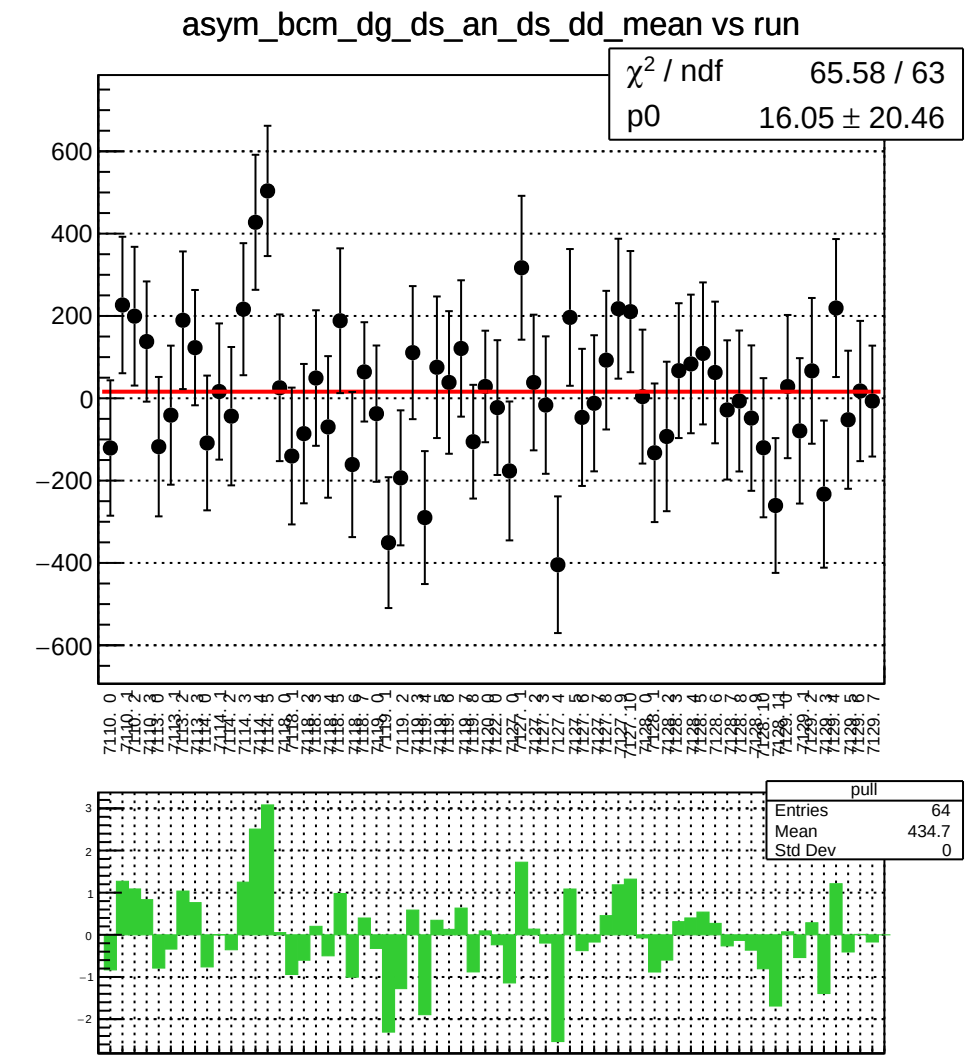

pull1D
Entries 64
Mean 0.01421
Std Dev 0.9014

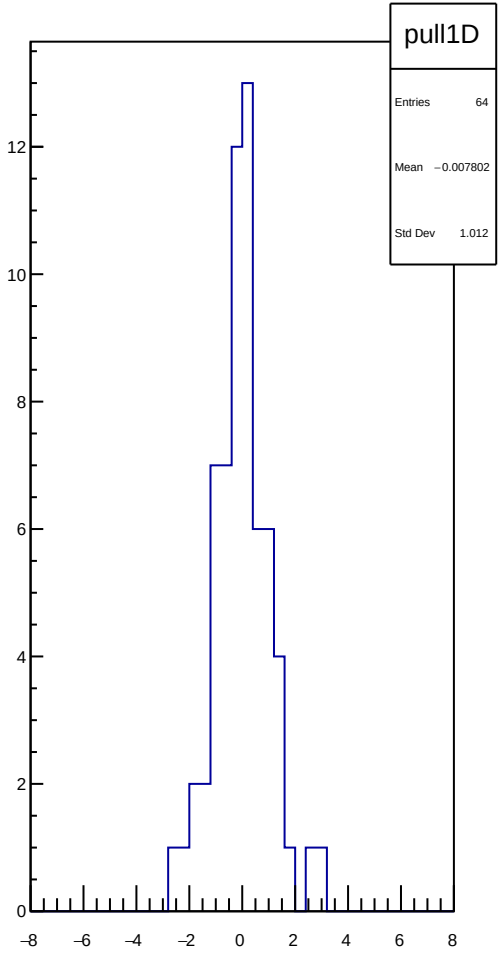

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 564.2 / 63
p0 22.67 ± 0.02048
24.5
24
23.5
23
22.5
22
21.5

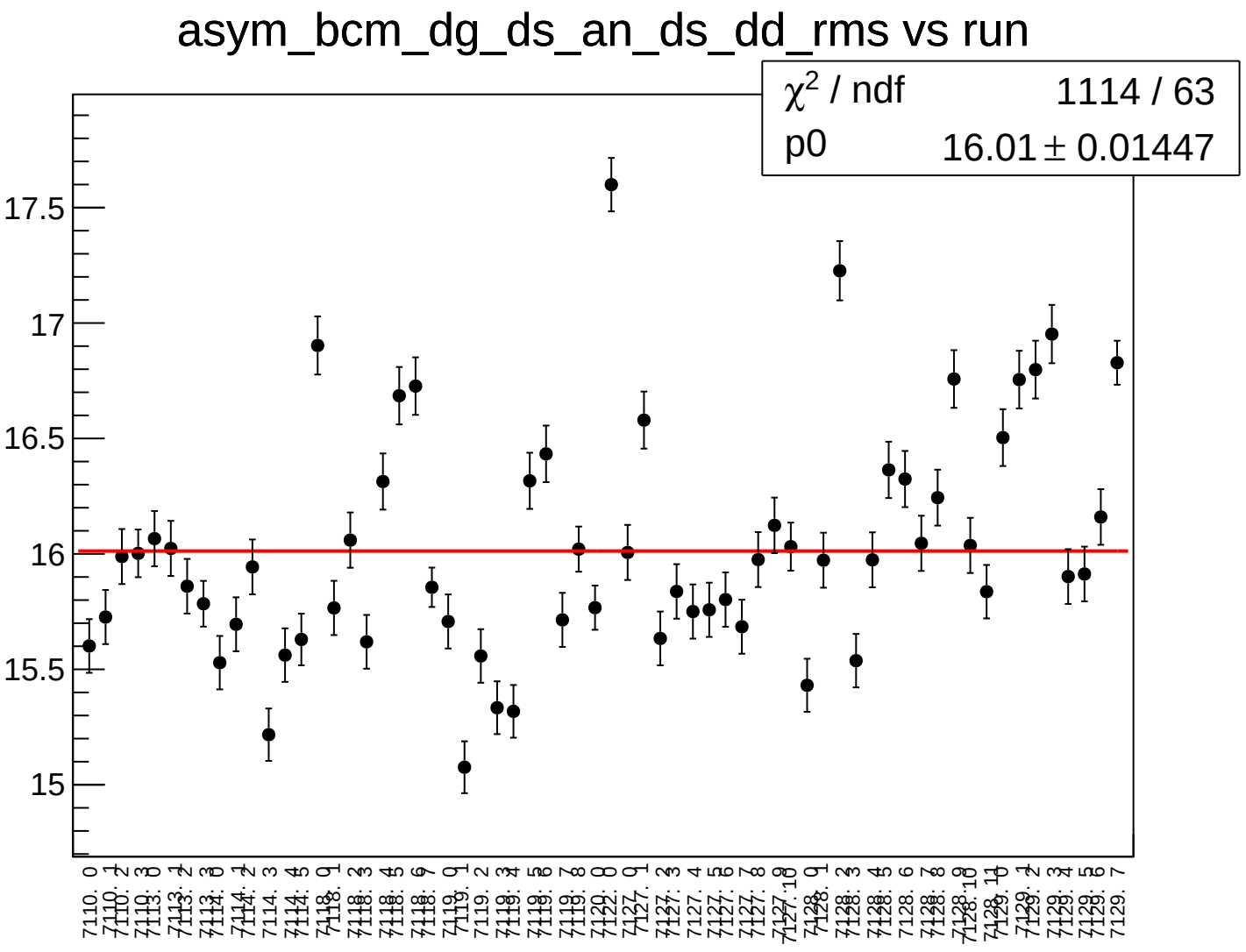

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 9.678 / 63
p0 −159.3 ± 260.9
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 78.02
Std Dev 176.4
1
0.5
0
−0.5
−1

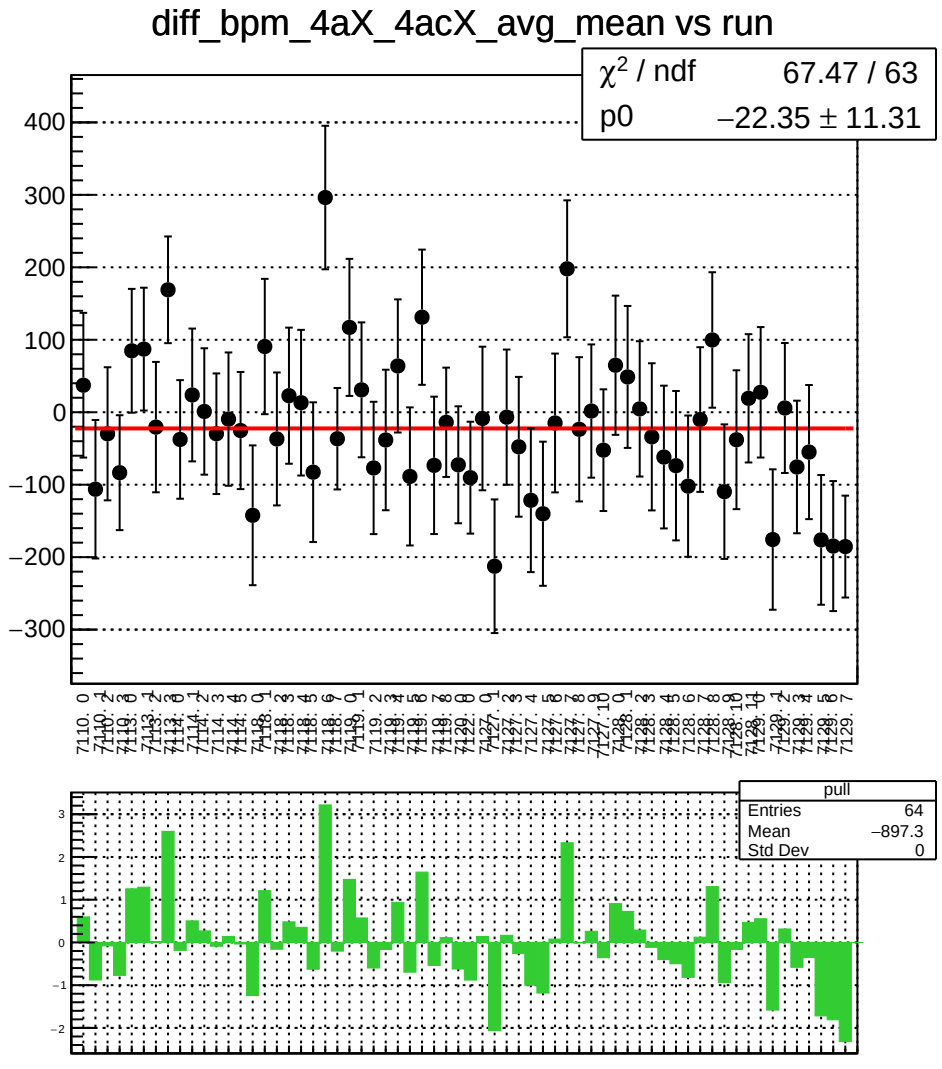

pull1D
Entries 64
Mean −0.0004225
Std Dev 0.3889
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

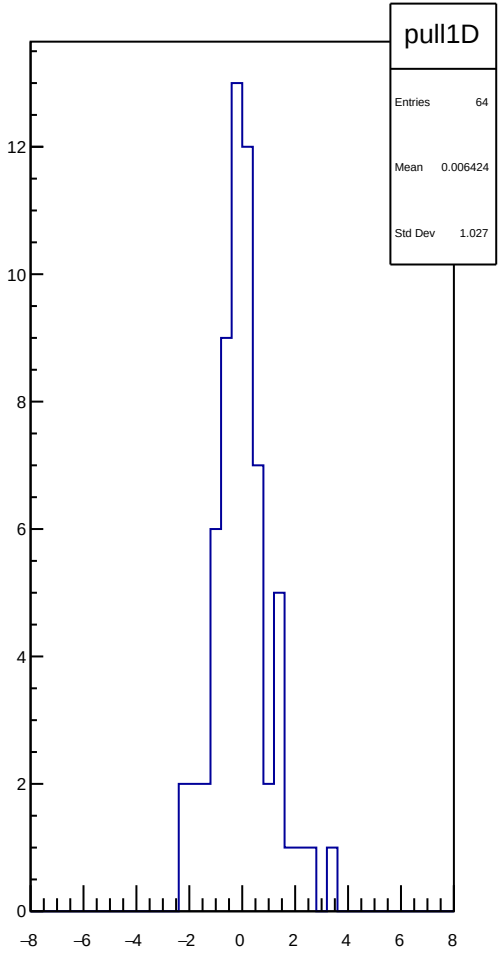

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 2.114e+04 / 63
p0 202.5 ± 0.1845
400
350
300
250
200
150

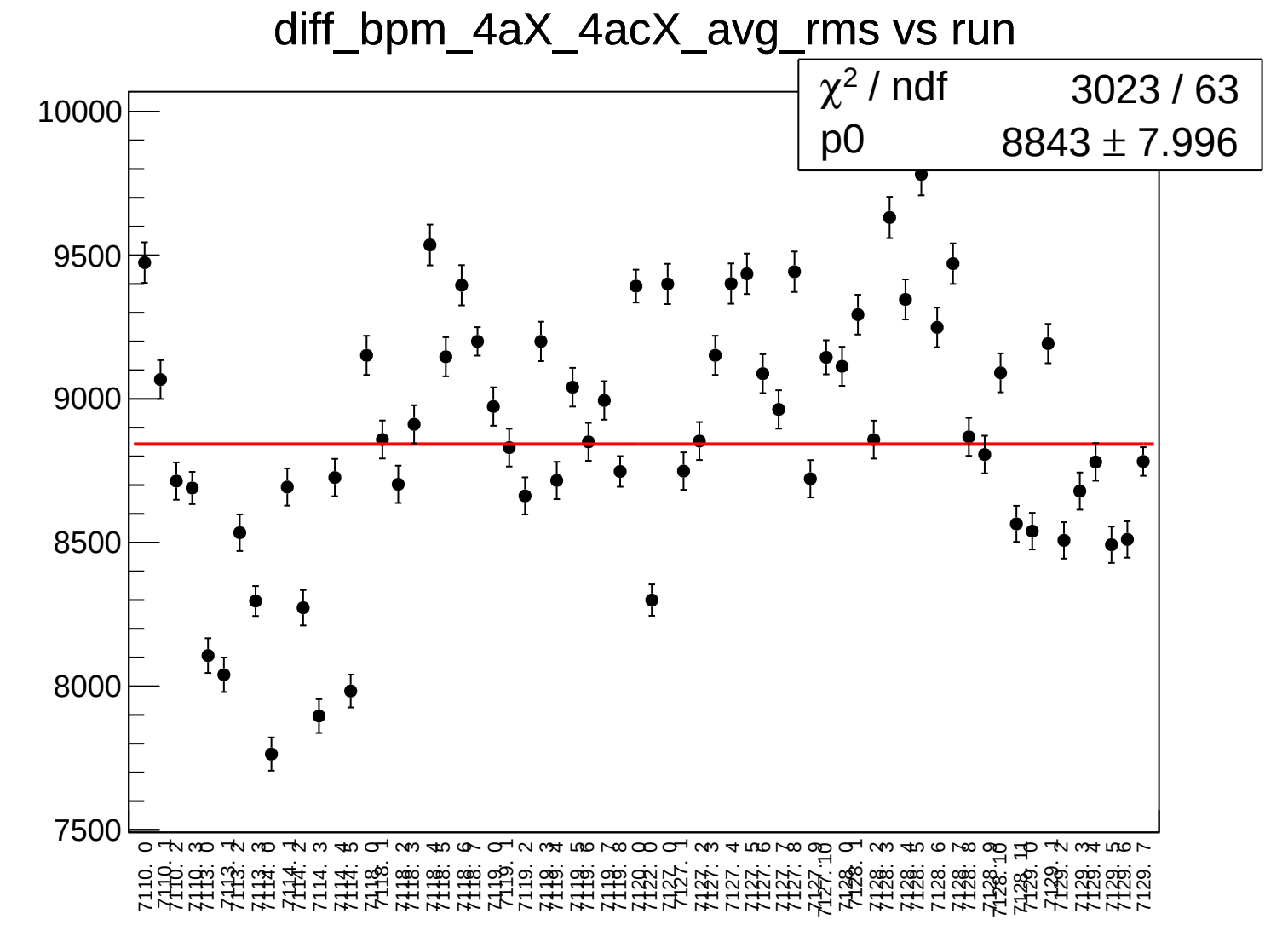

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 65.58 / 63
p0 16.05 ± 20.46
pull
Entries 64
Mean 434.7
Std Dev 0

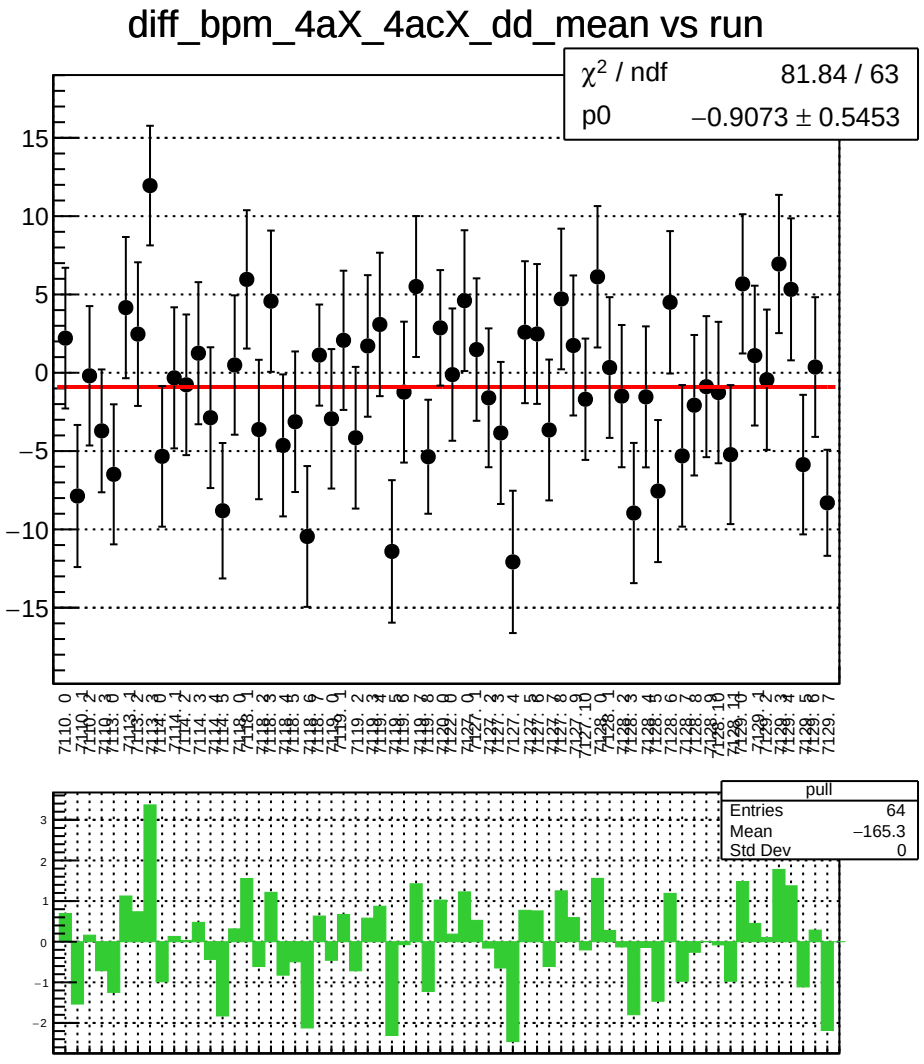

pull1D
Entries 64
Mean −0.007802
Std Dev 1.012

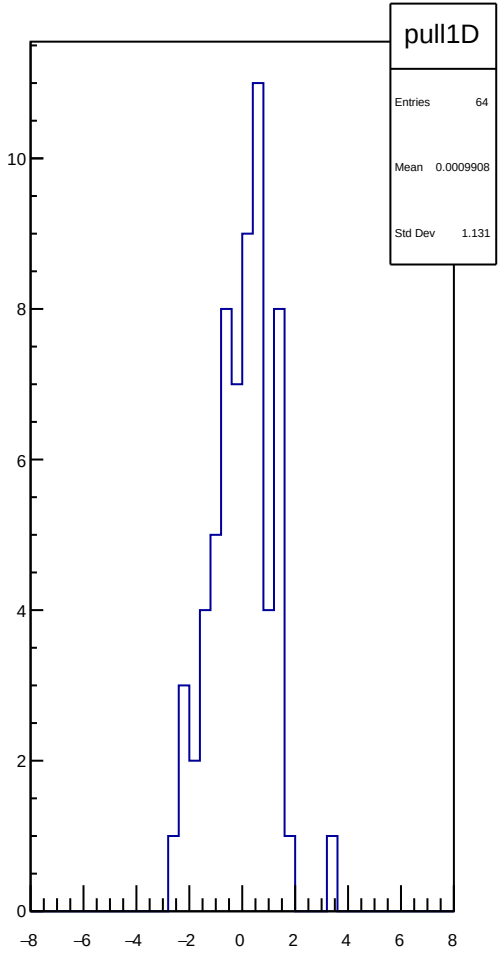

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1114 / 63
p0 16.01 ± 0.01447
17.5
17
16.5
16
15.5
15

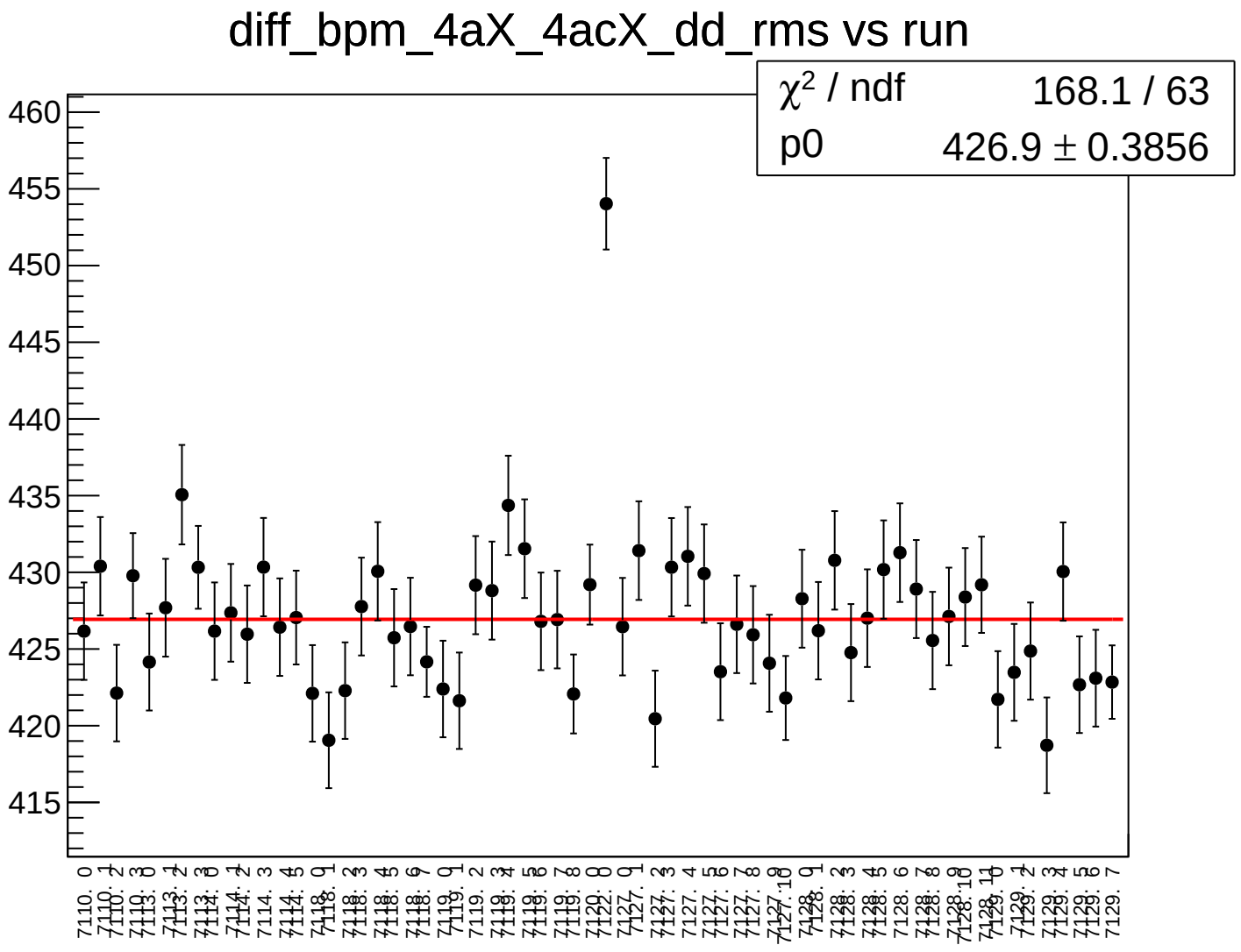

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 67.47 / 63
p0 −22.35 ± 11.31
pull
Entries 64
Mean −897.3
Std Dev 0

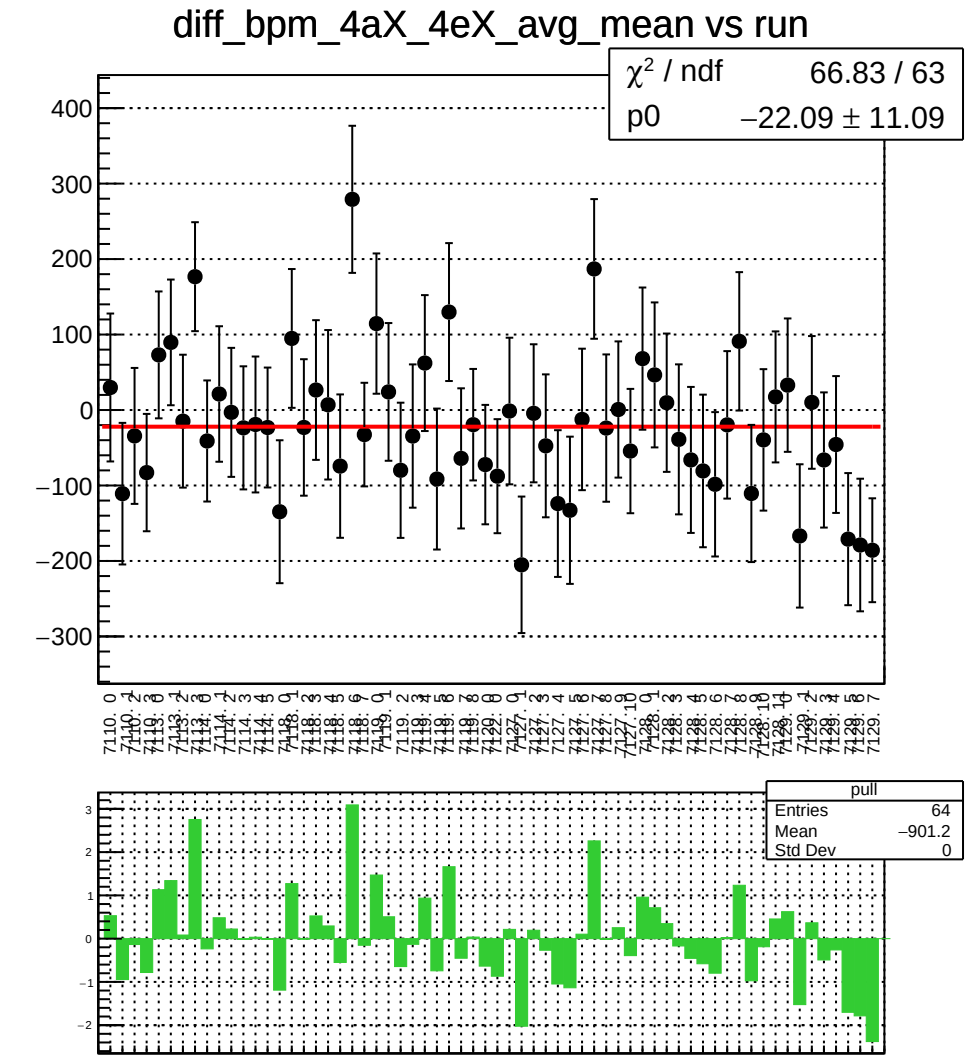

pull1D
Entries 64
Mean 0.006424
Std Dev 1.027

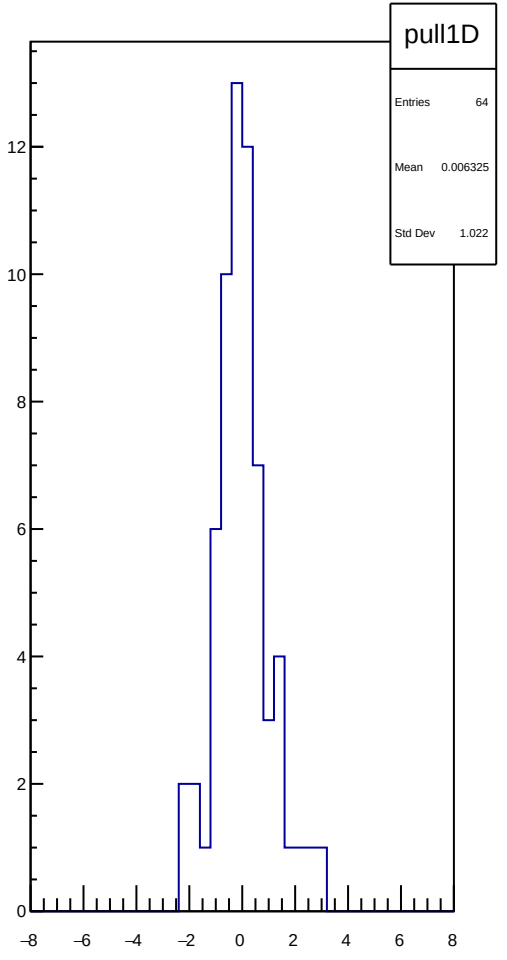

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 3023 / 63
p0 8843 ± 7.996
10000
9500
9000
8500
8000
7500

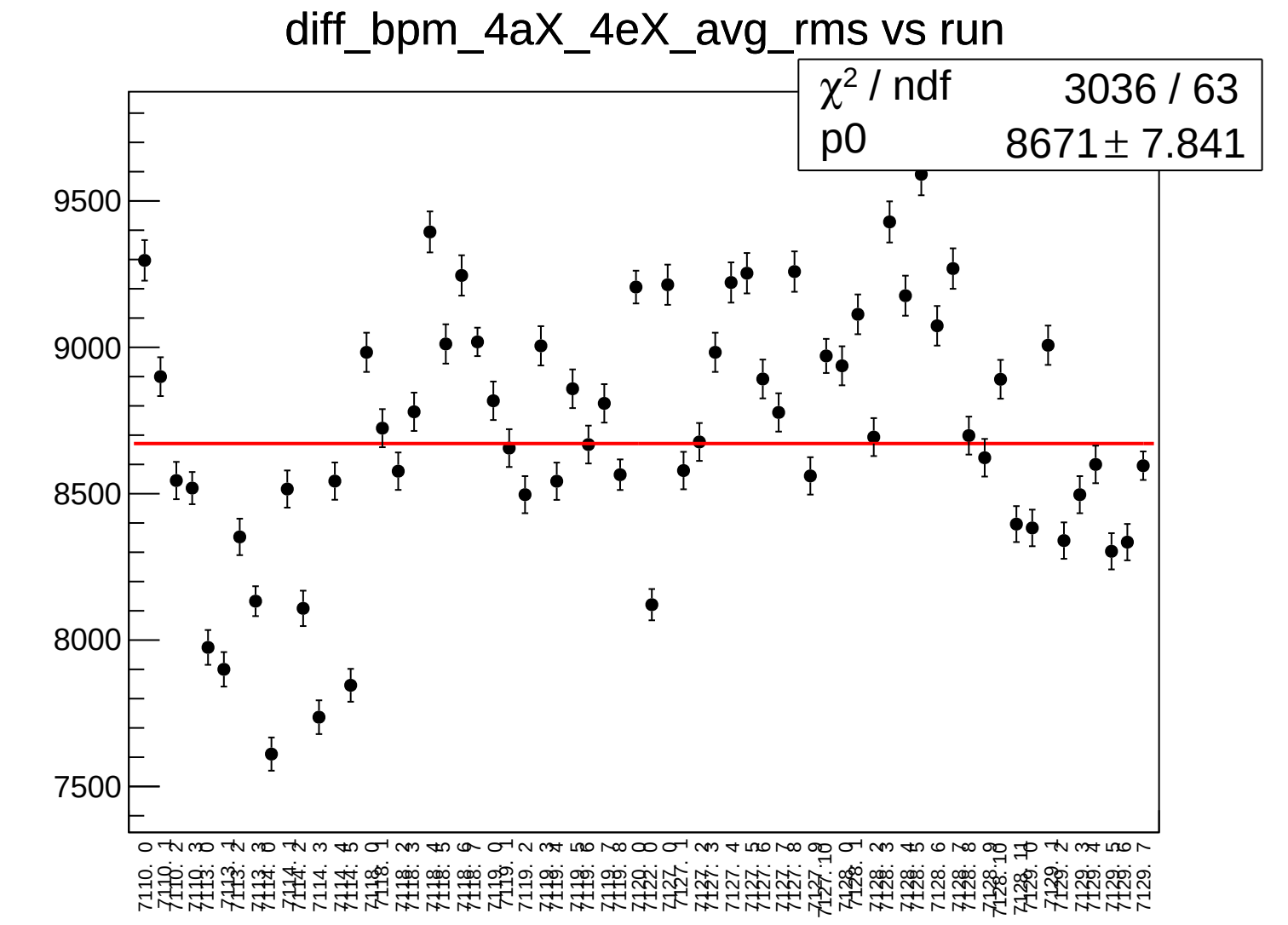

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 81.84 / 63
p0 −0.9073 ± 0.5453
pull
Entries 64
Mean −165.3
Std Dev 0

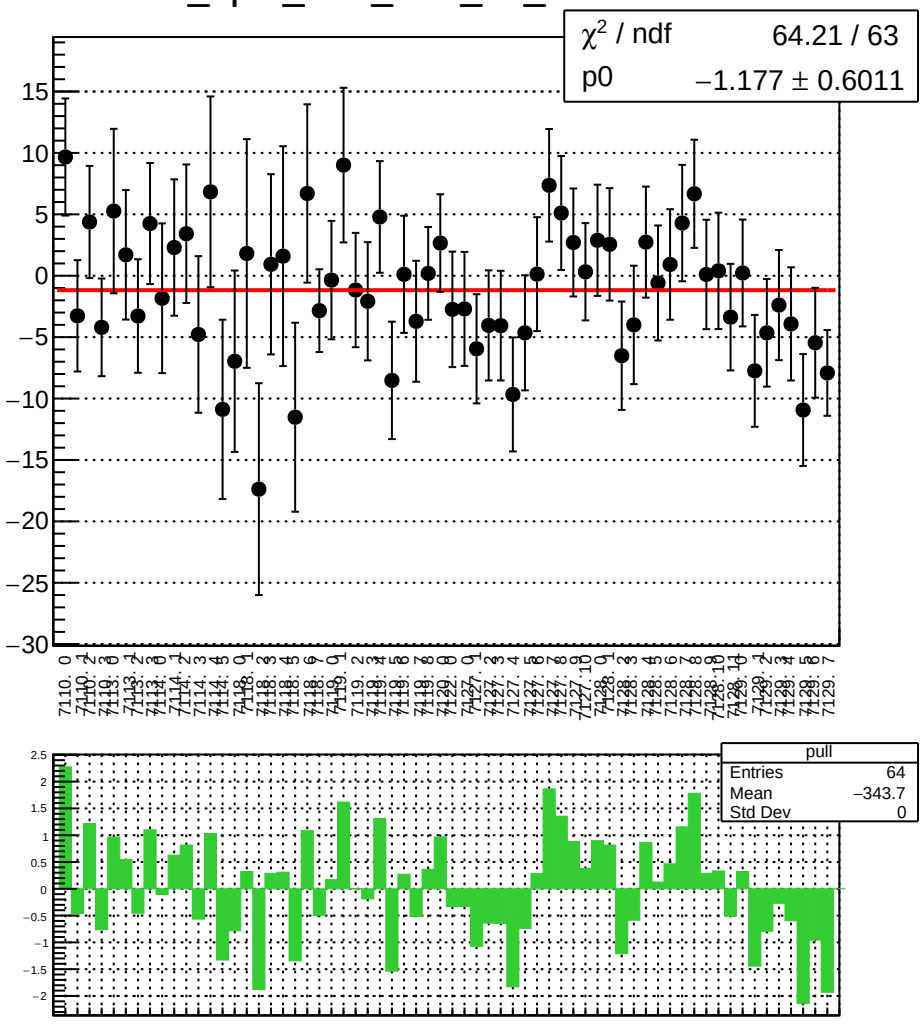

pull1D
Entries 64
Mean 0.0009908
Std Dev 1.131

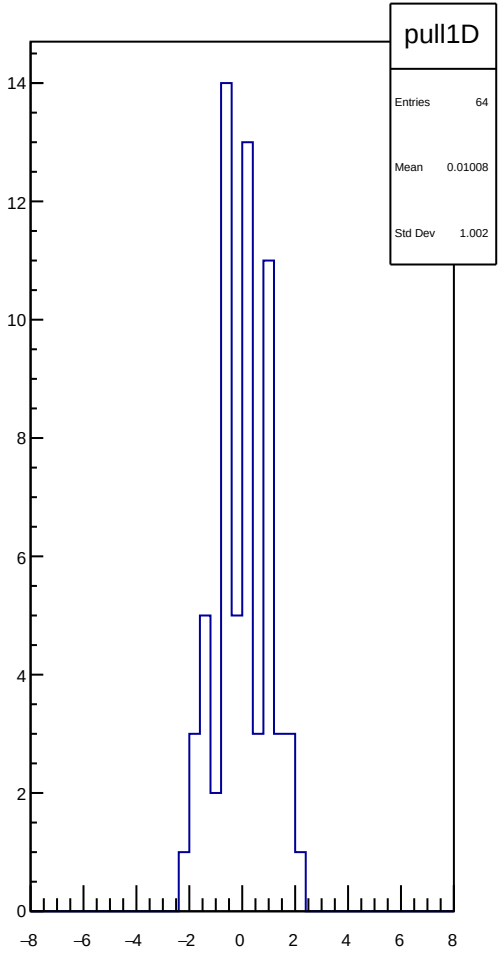

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 168.1 / 63
p0 426.9 ± 0.3856
460
455
450
445
440
435
430
425
420
415

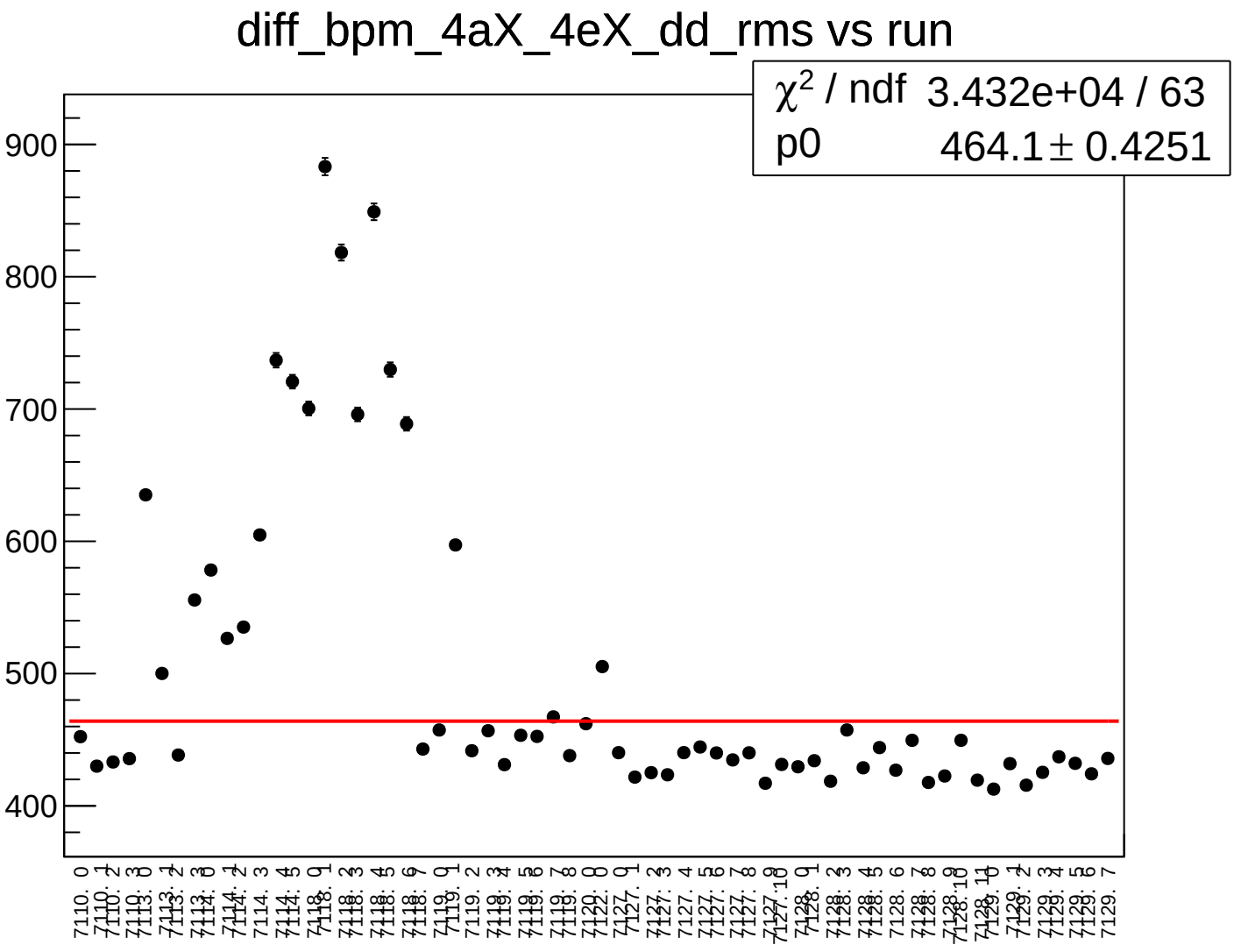

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 66.83 / 63
p0 −22.09 ± 11.09
pull
Entries 64
Mean −901.2
Std Dev 0

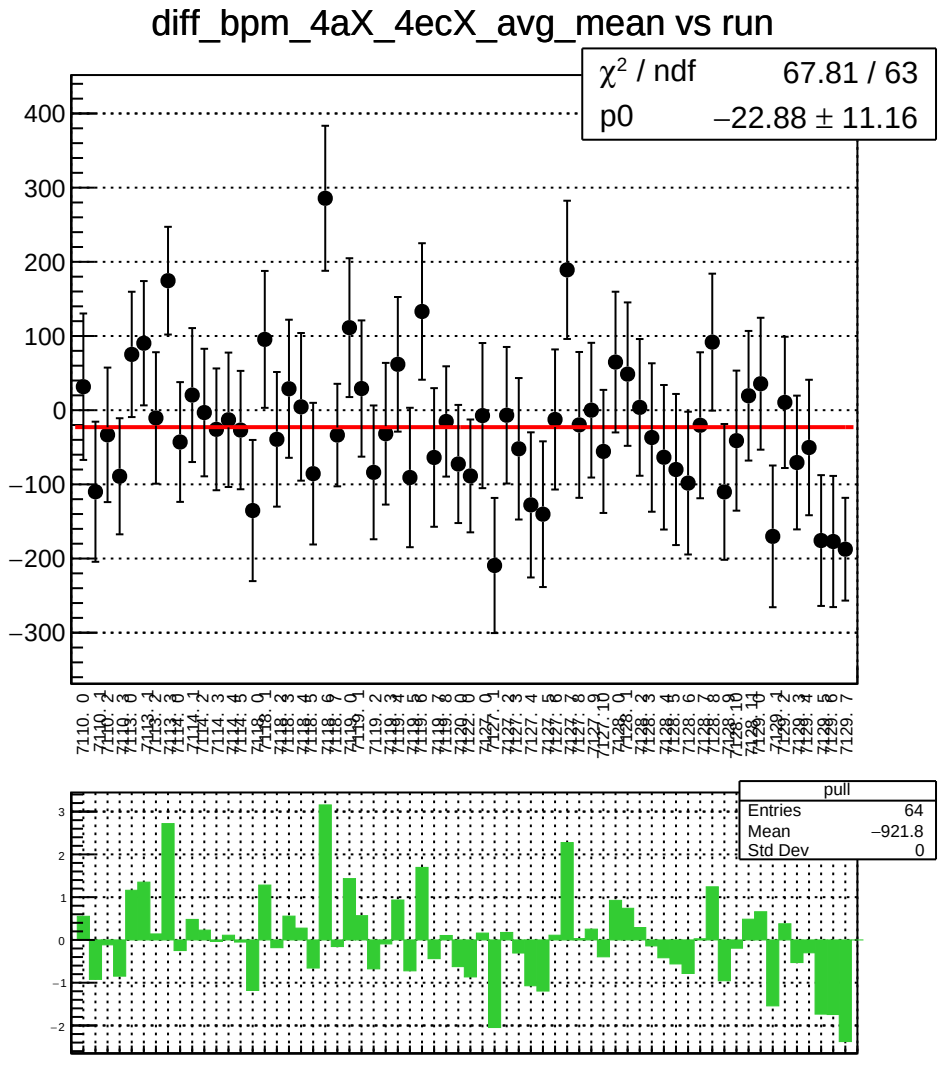

pull1D
Entries 64
Mean 0.006325
Std Dev 1.022

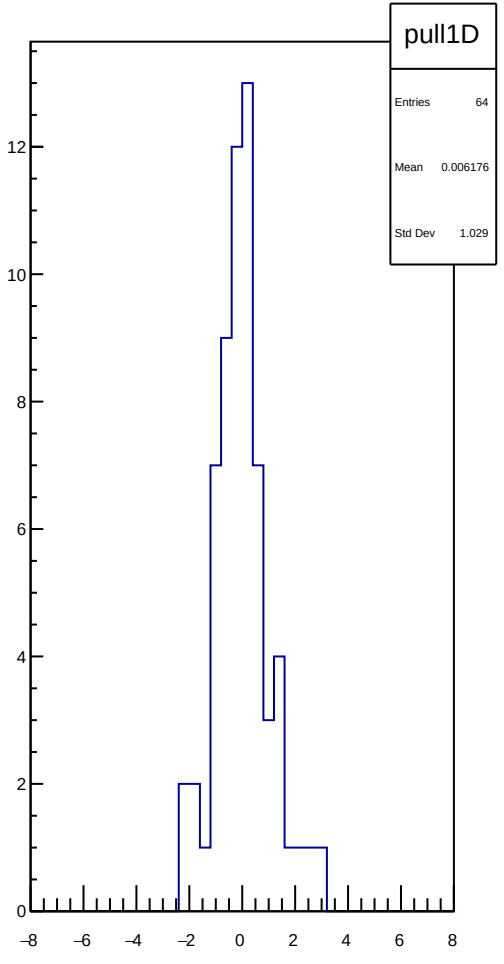

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 3036 / 63
p0 8671 ± 7.841
9500
9000
8500
8000
7500

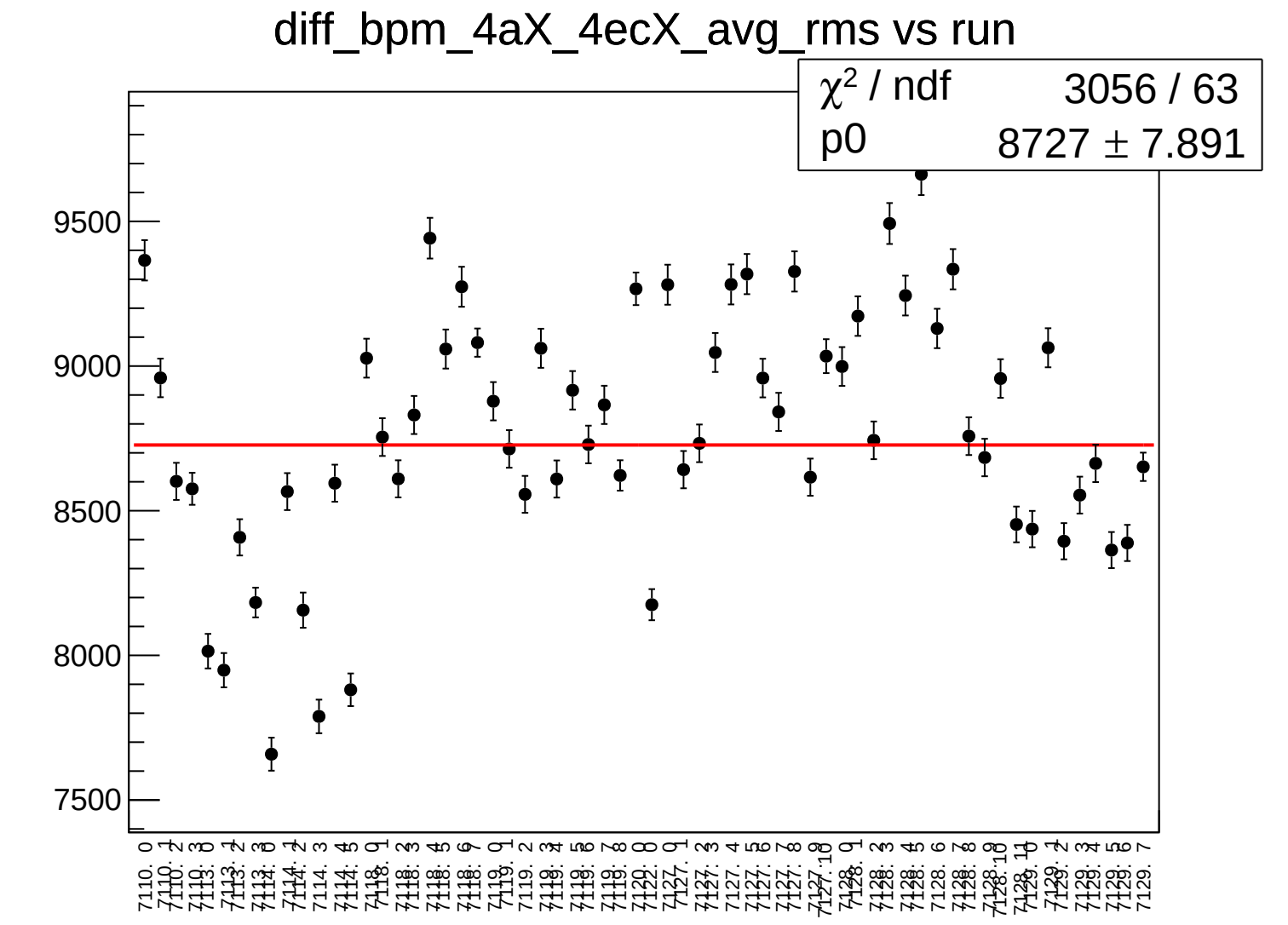

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 64.21 / 63
p0 −1.177 ± 0.6011
pull
Entries 64
Mean −343.7
Std Dev 0

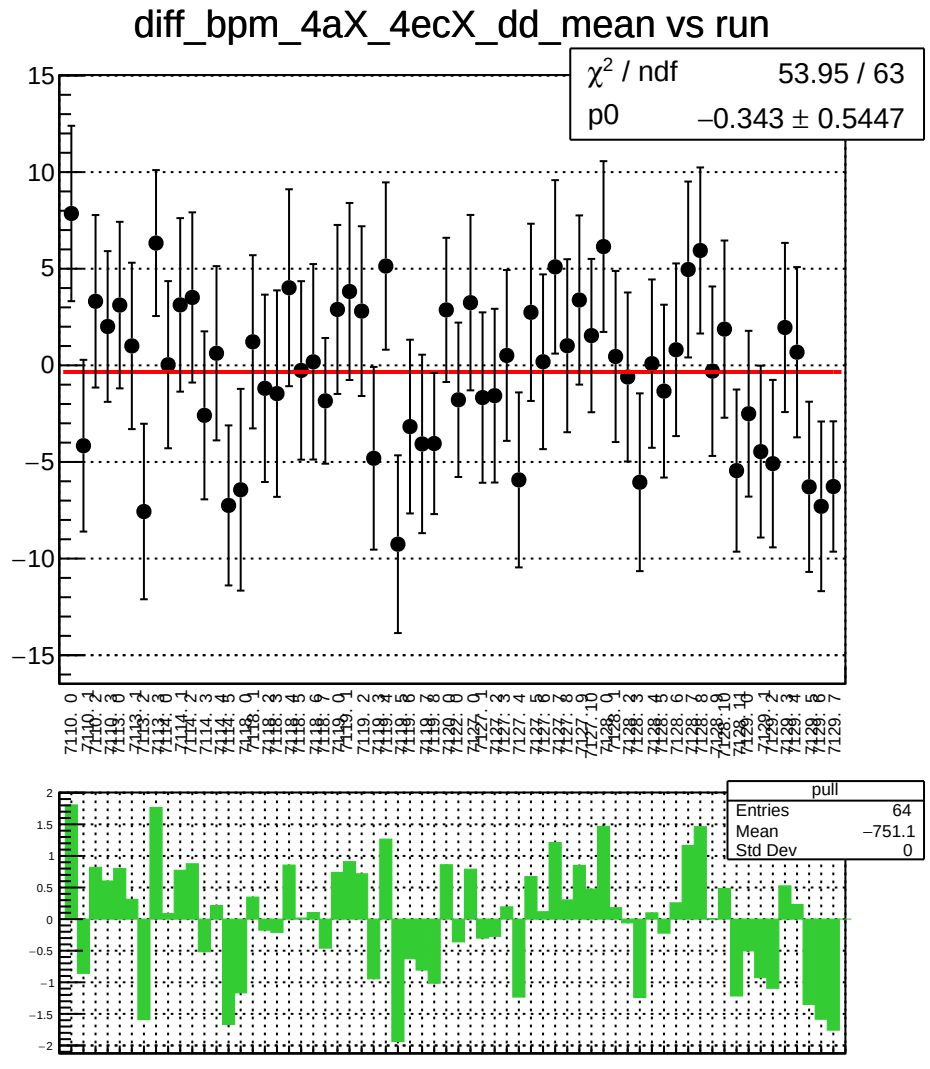

pull1D
Entries 64
Mean 0.01008
Std Dev 1.002

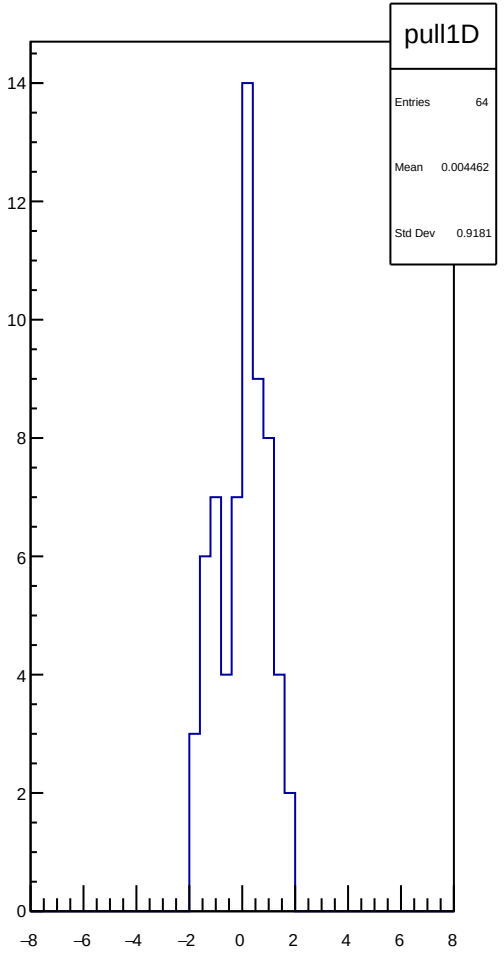

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 3.432e+04 / 63
p0 464.1 ± 0.4251
900
800
700
600
500
400

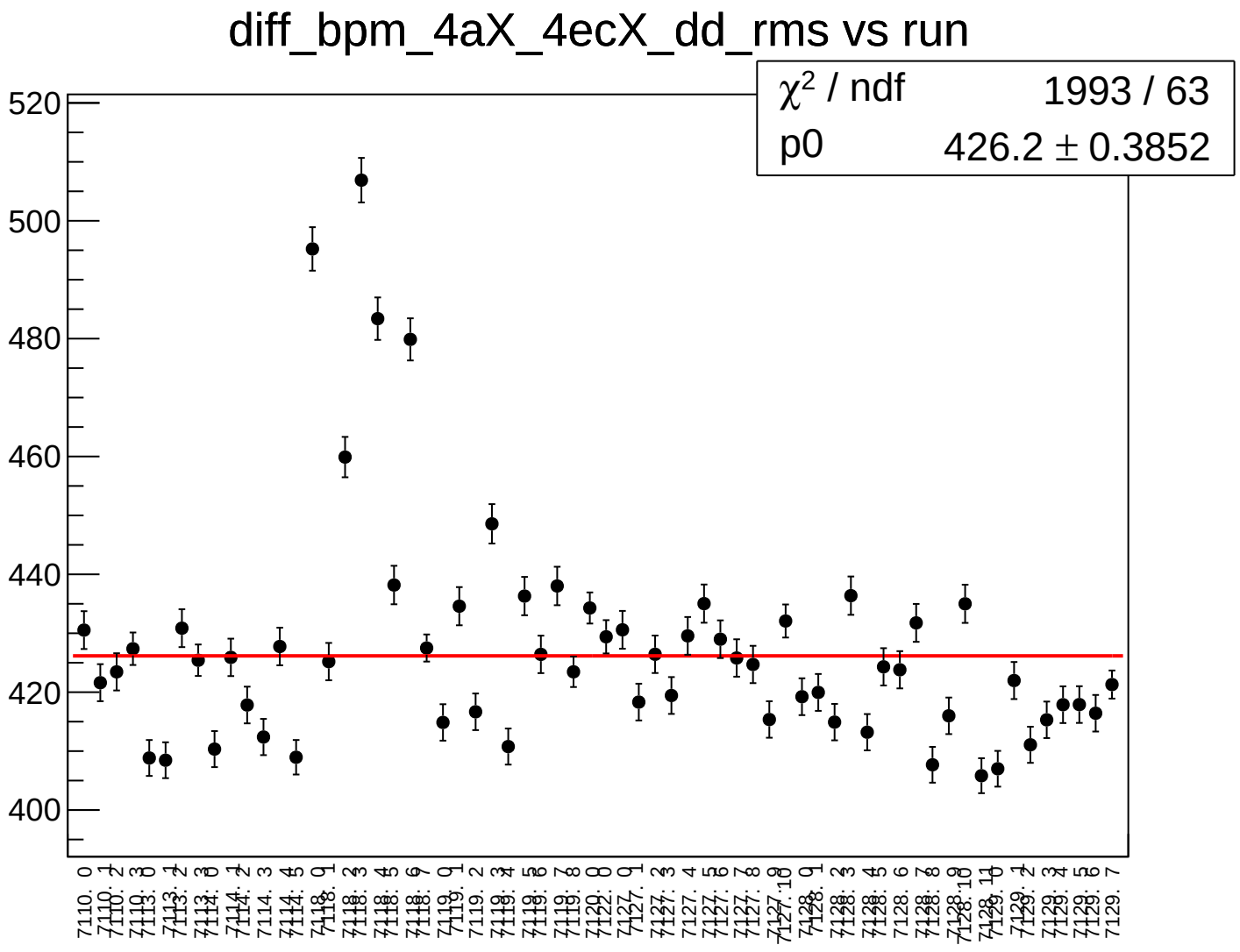

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 67.81 / 63
p0 −22.88 ± 11.16
pull
Entries 64
Mean −921.8
Std Dev 0

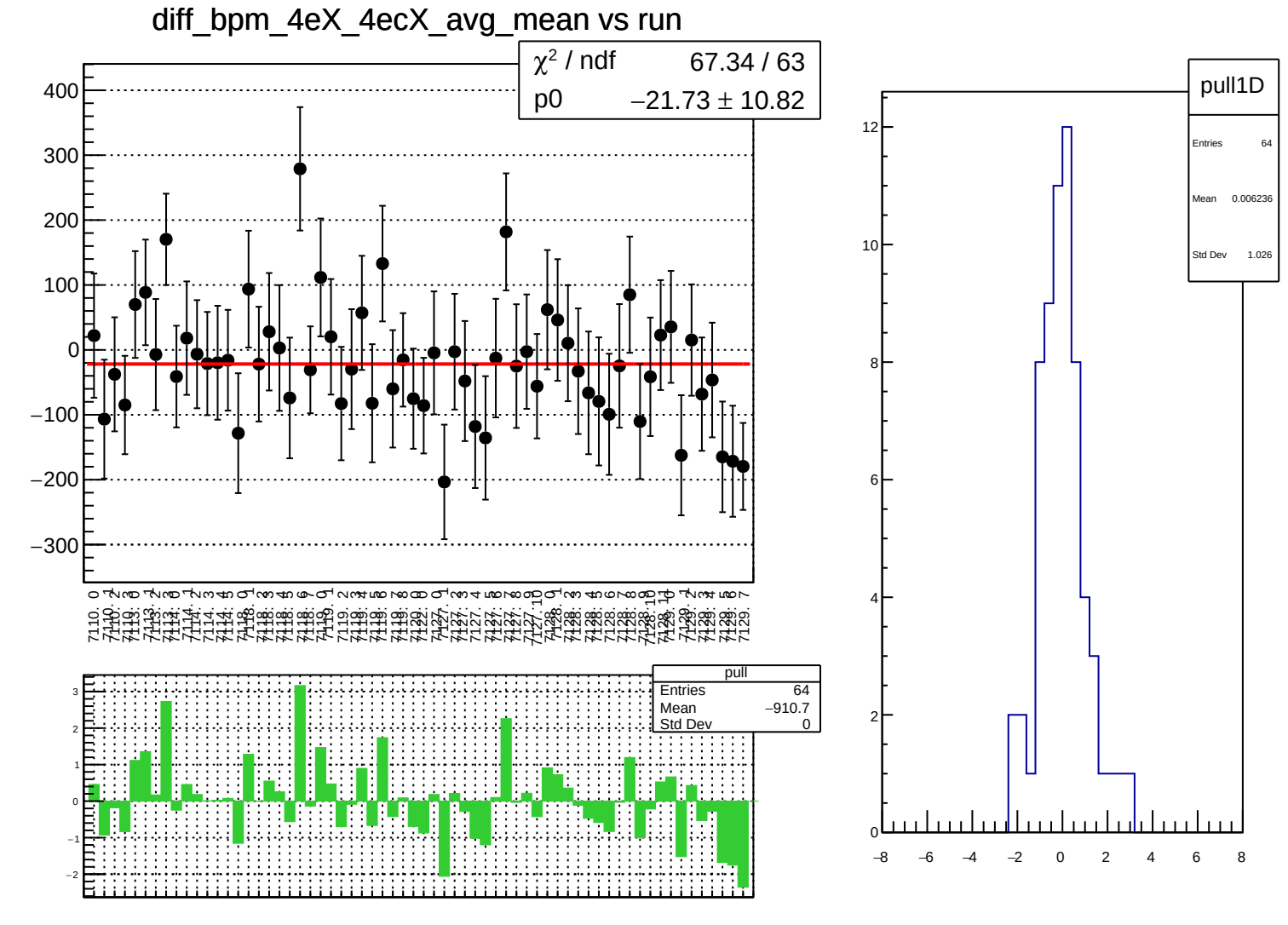

pull1D
Entries 64
Mean 0.006176
Std Dev 1.029

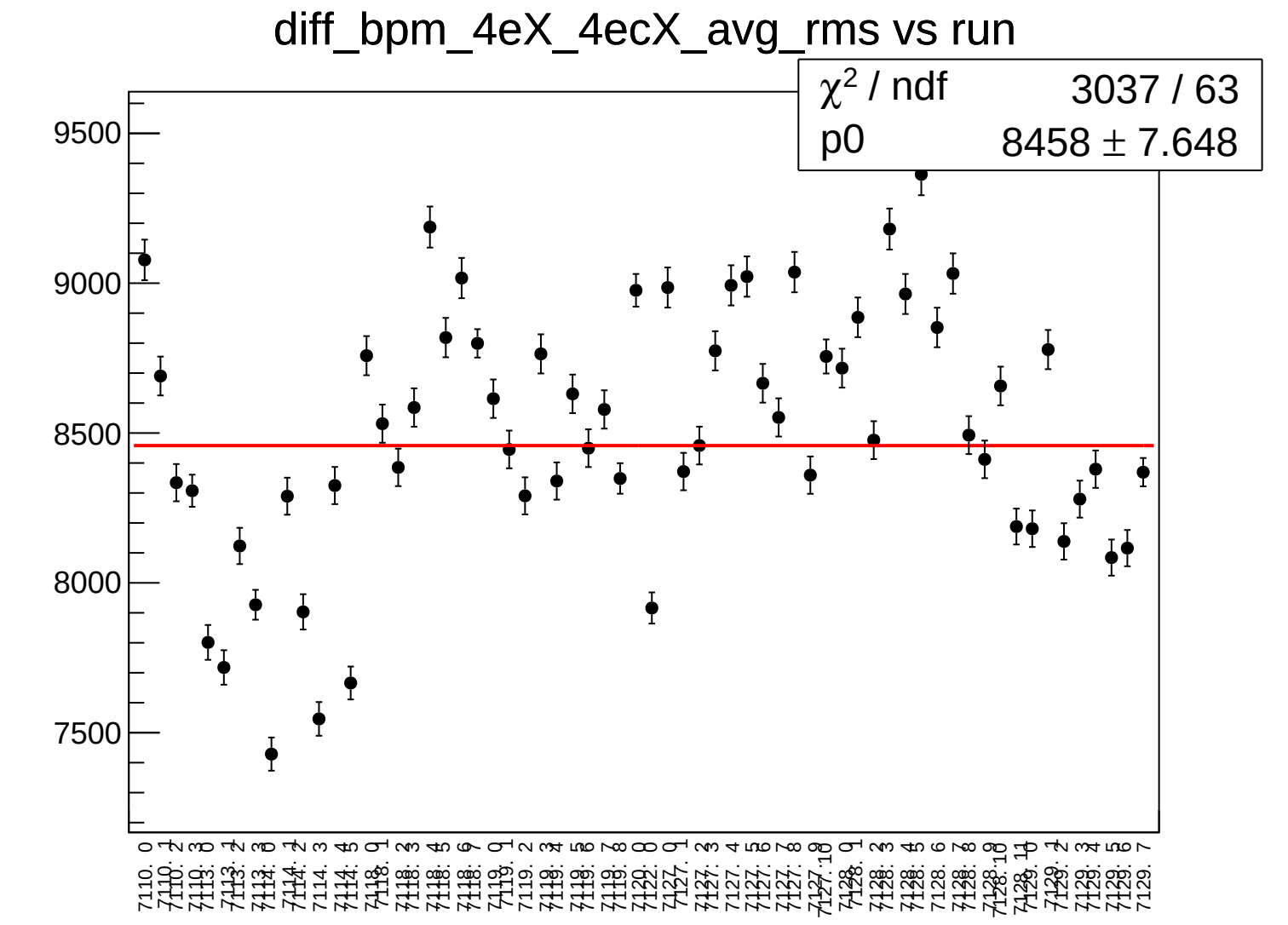

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 3056 / 63
p0 8727 ± 7.891
9500
9000
8500
8000
7500

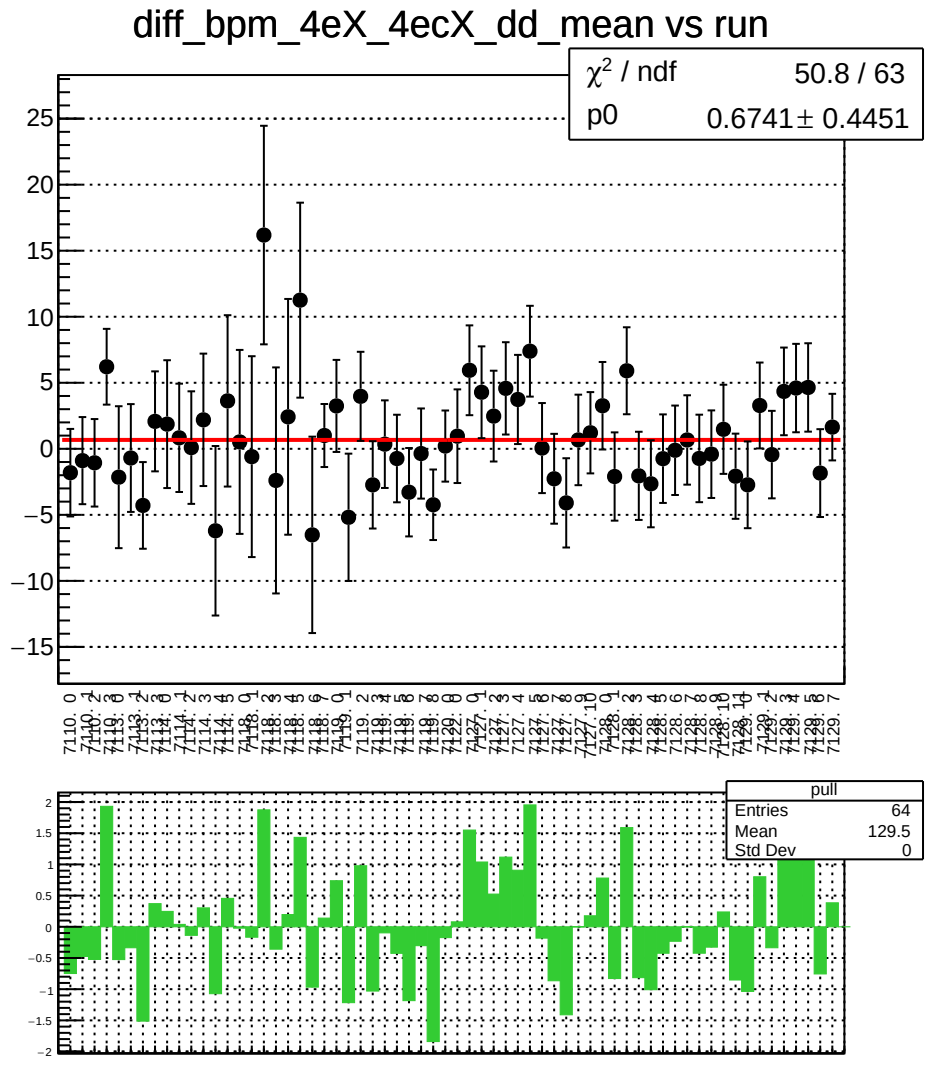

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 53.95 / 63
p0 −0.343 ± 0.5447
pull
Entries 64
Mean −751.1
Std Dev 0

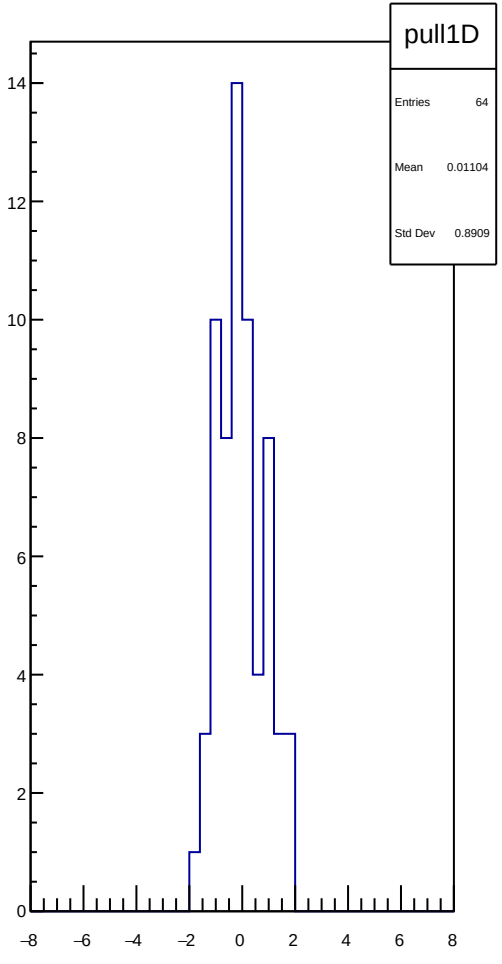

pull1D
Entries 64
Mean 0.004462
Std Dev 0.9181

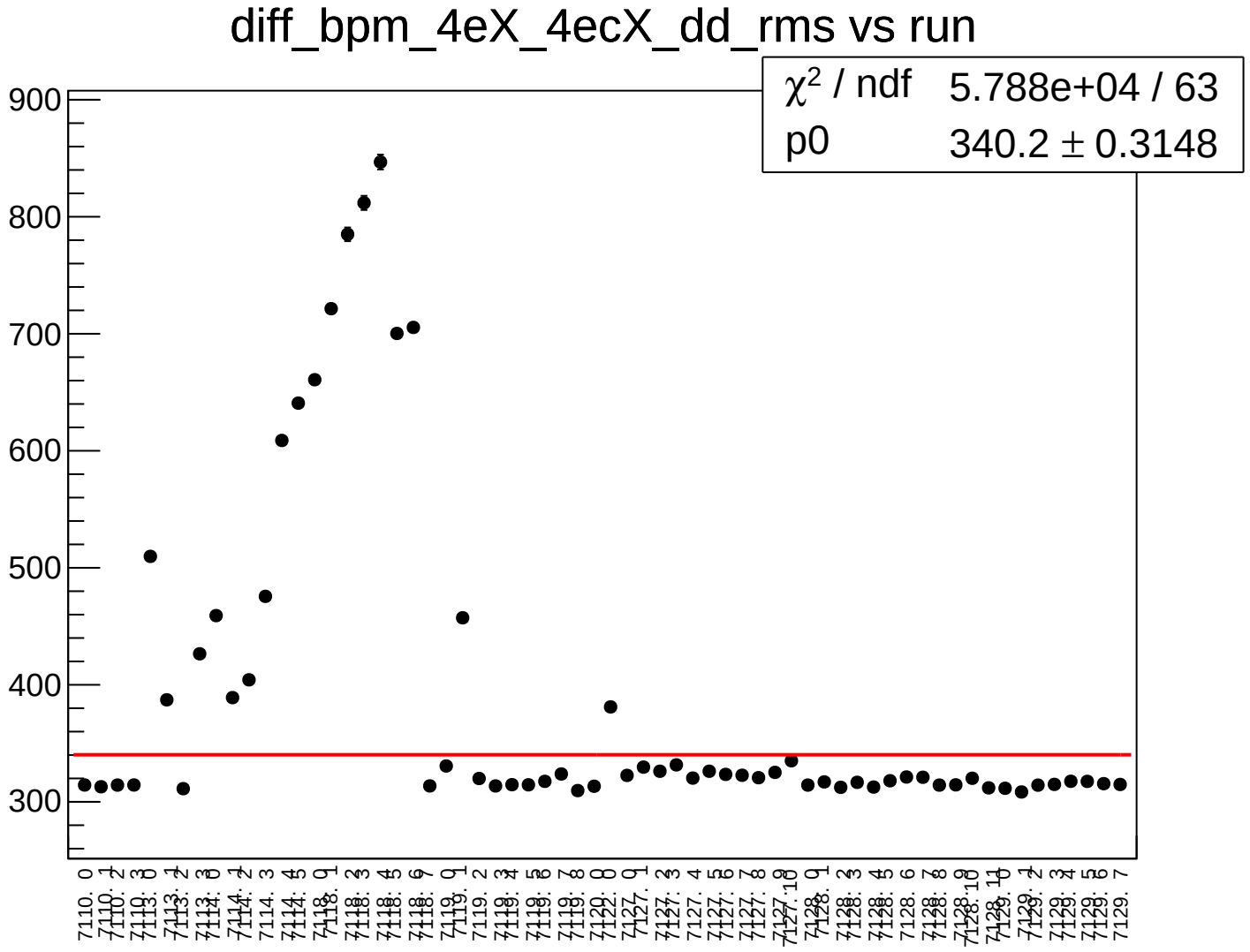

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 1993 / 63
p0 426.2 ± 0.3852
520
500
480
460
440
420
400

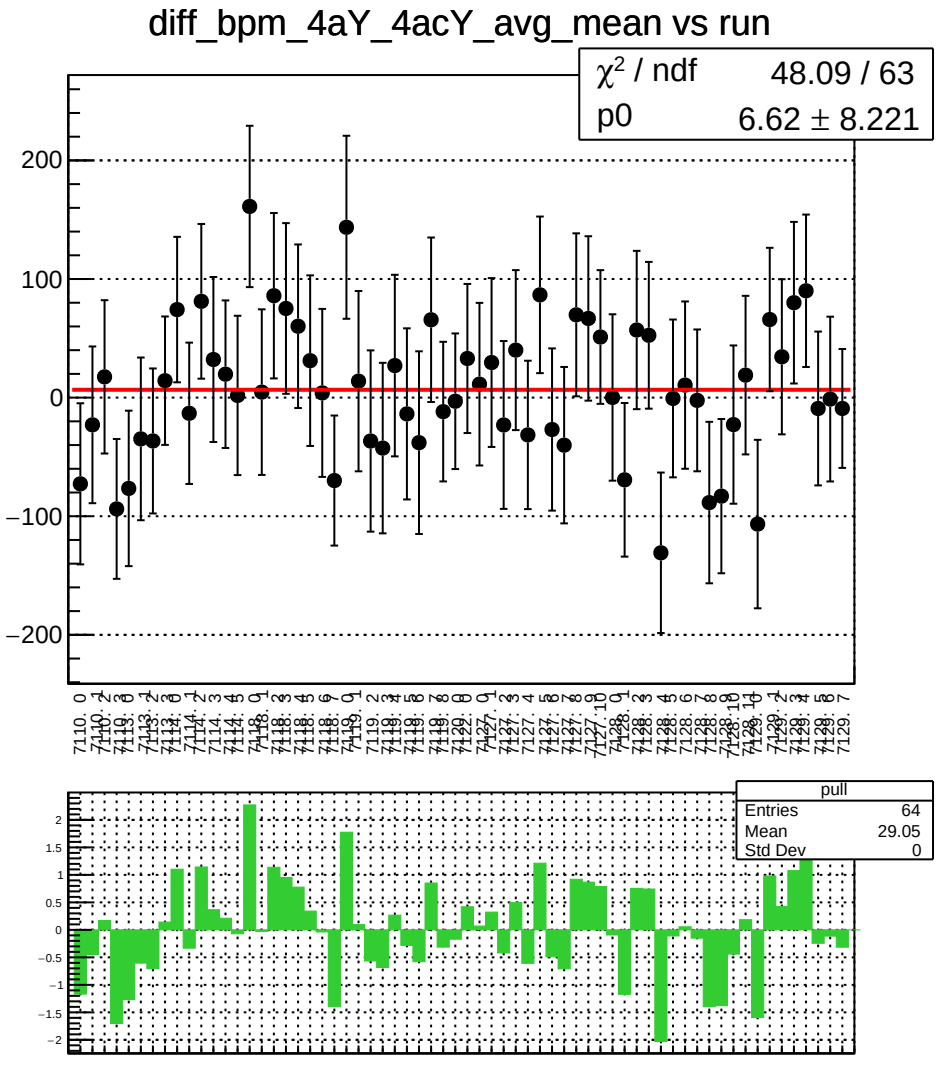

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 67.34 / 63
p0 −21.73 ± 10.82
pull
Entries 64
Mean −910.7
Std Dev 0
pull1D
Entries 64
Mean 0.006236
Std Dev 1.026

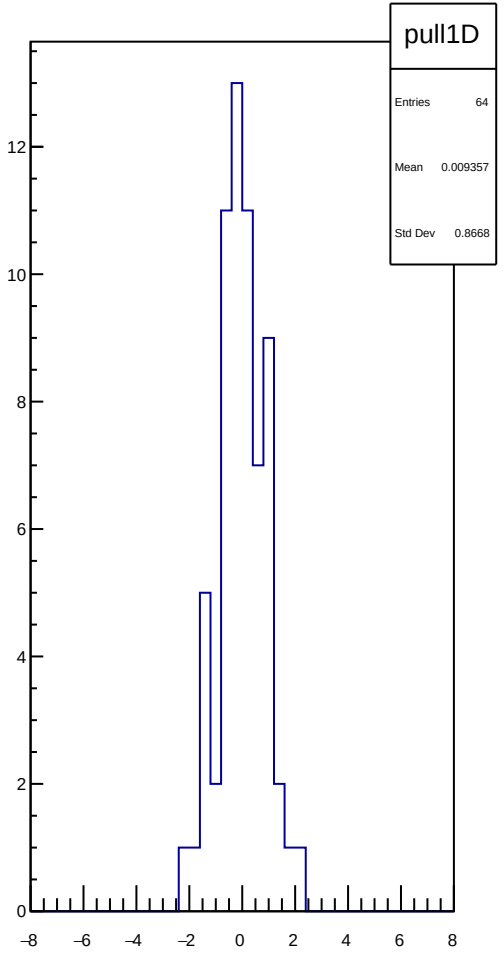

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 3037 / 63
p0 8458 ± 7.648
9500
9000
8500
8000
7500

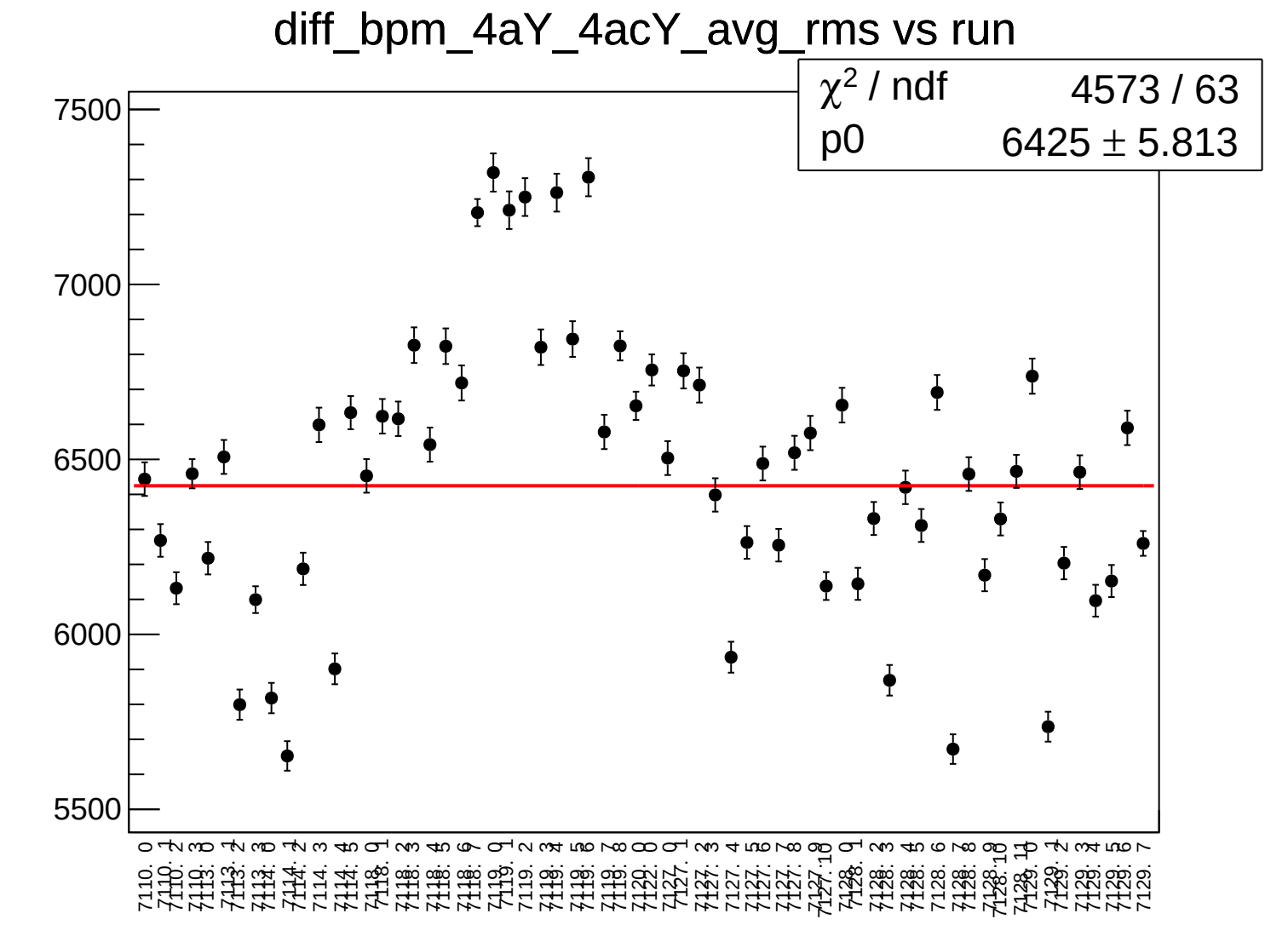

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 50.8 / 63
p0 0.6741 ± 0.4451
pull
Entries 64
Mean 129.5
Std Dev 0

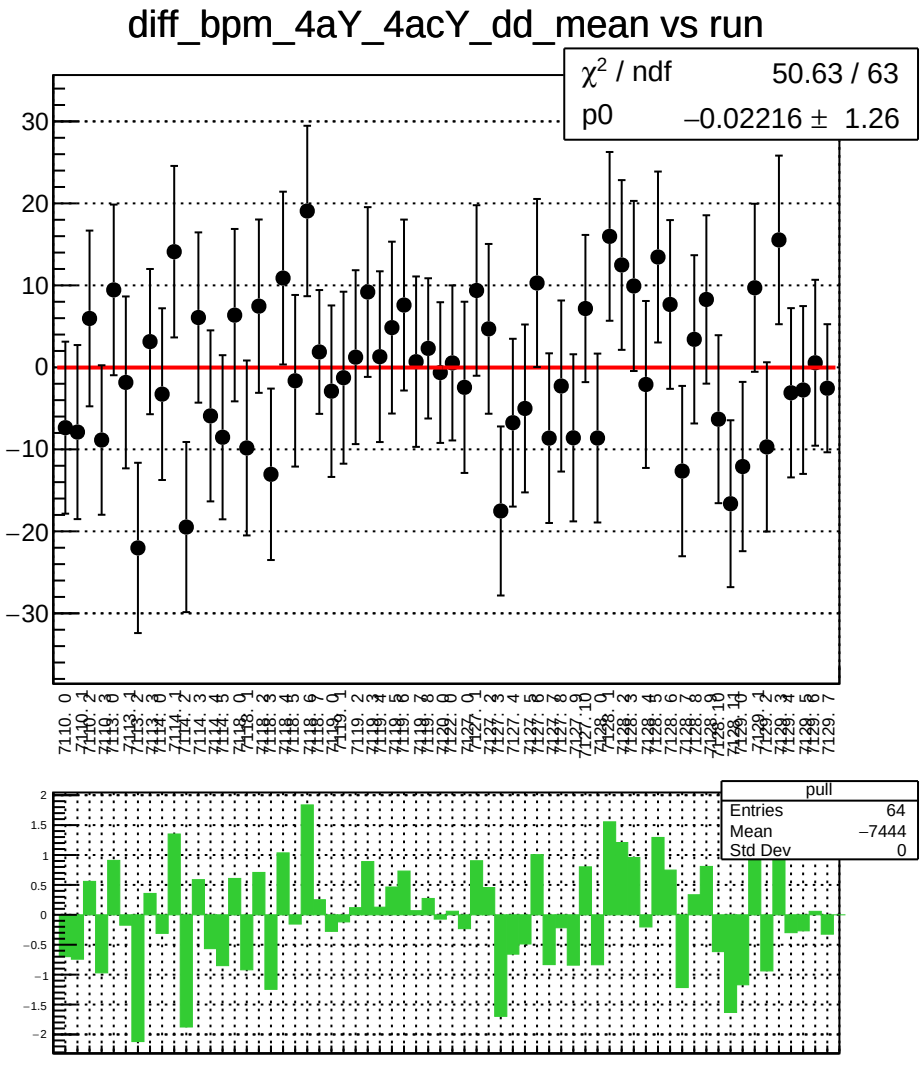

pull1D
Entries 64
Mean 0.01104
Std Dev 0.8909

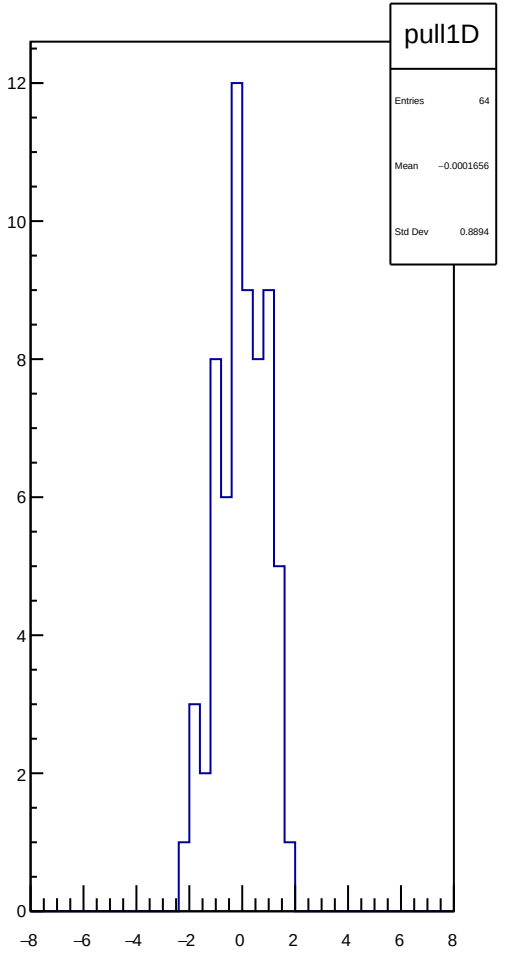

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 5.788e+04 / 63
p0 340.2 ± 0.3148
900
800
700
600
500
400
300

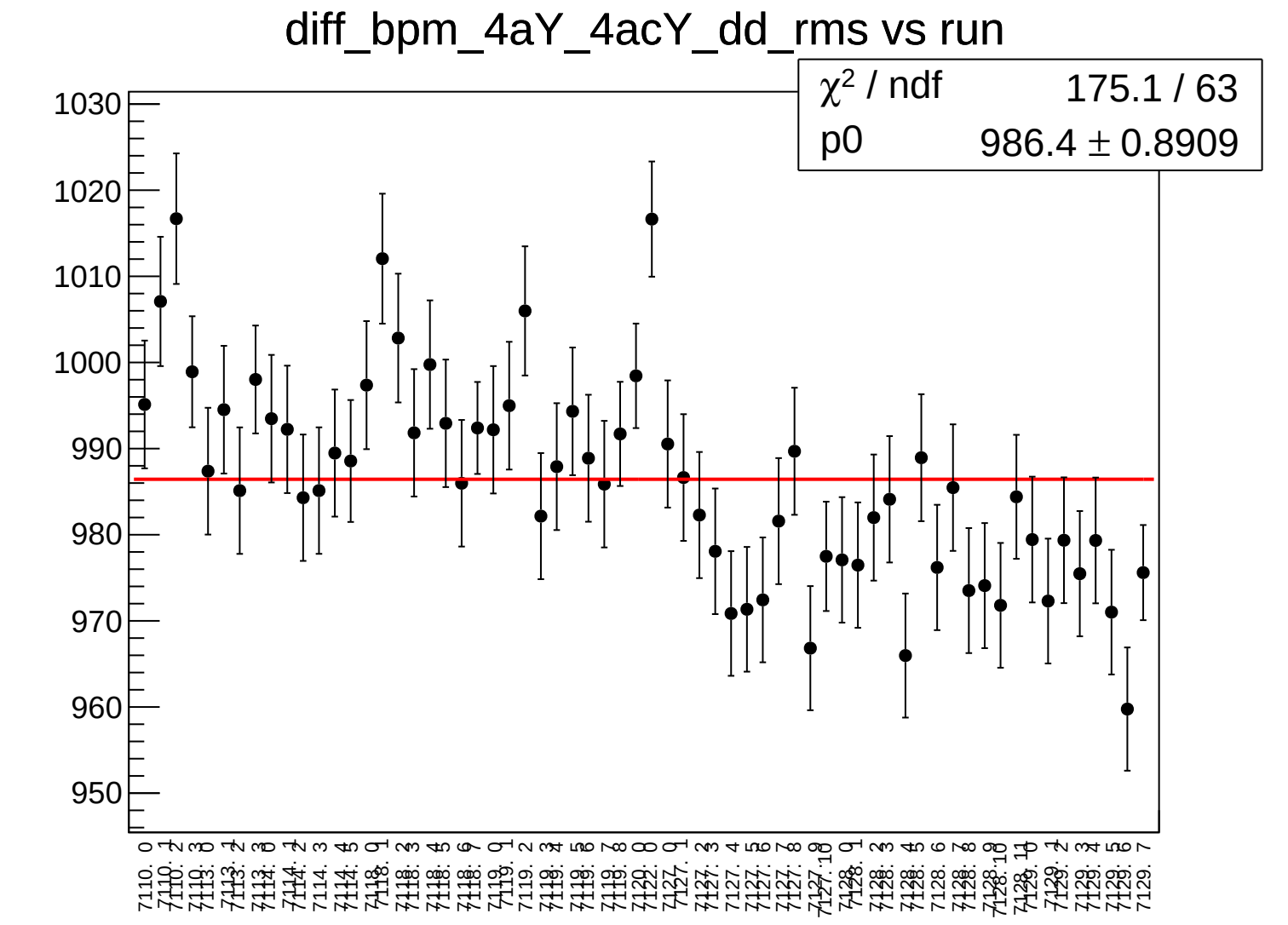

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 48.09 / 63
p0 6.62 ± 8.221
200
100
0
−100
−200
pull
Entries 64
Mean 29.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

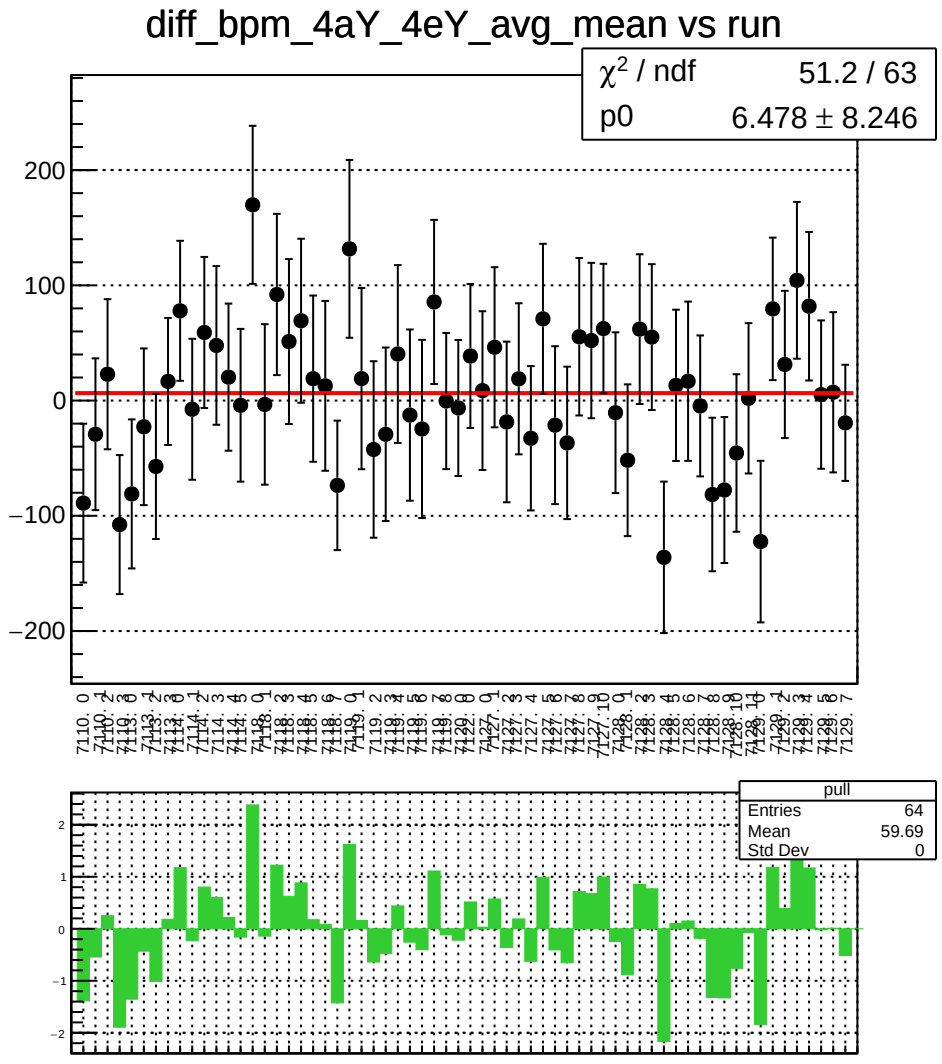

pull1D
Entries 64
Mean 0.009357
Std Dev 0.8668
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

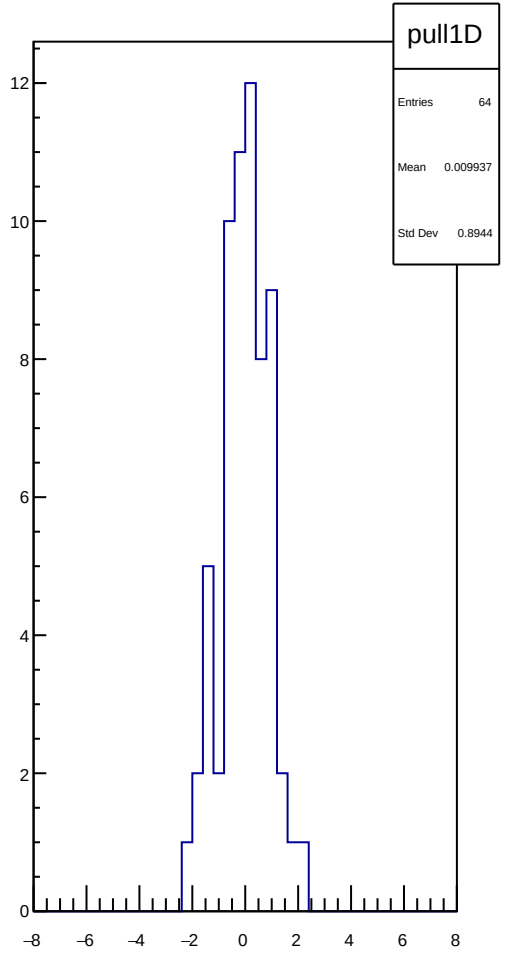

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 4573 / 63
p0 6425 ± 5.813
7500
7000
6500
6000
5500

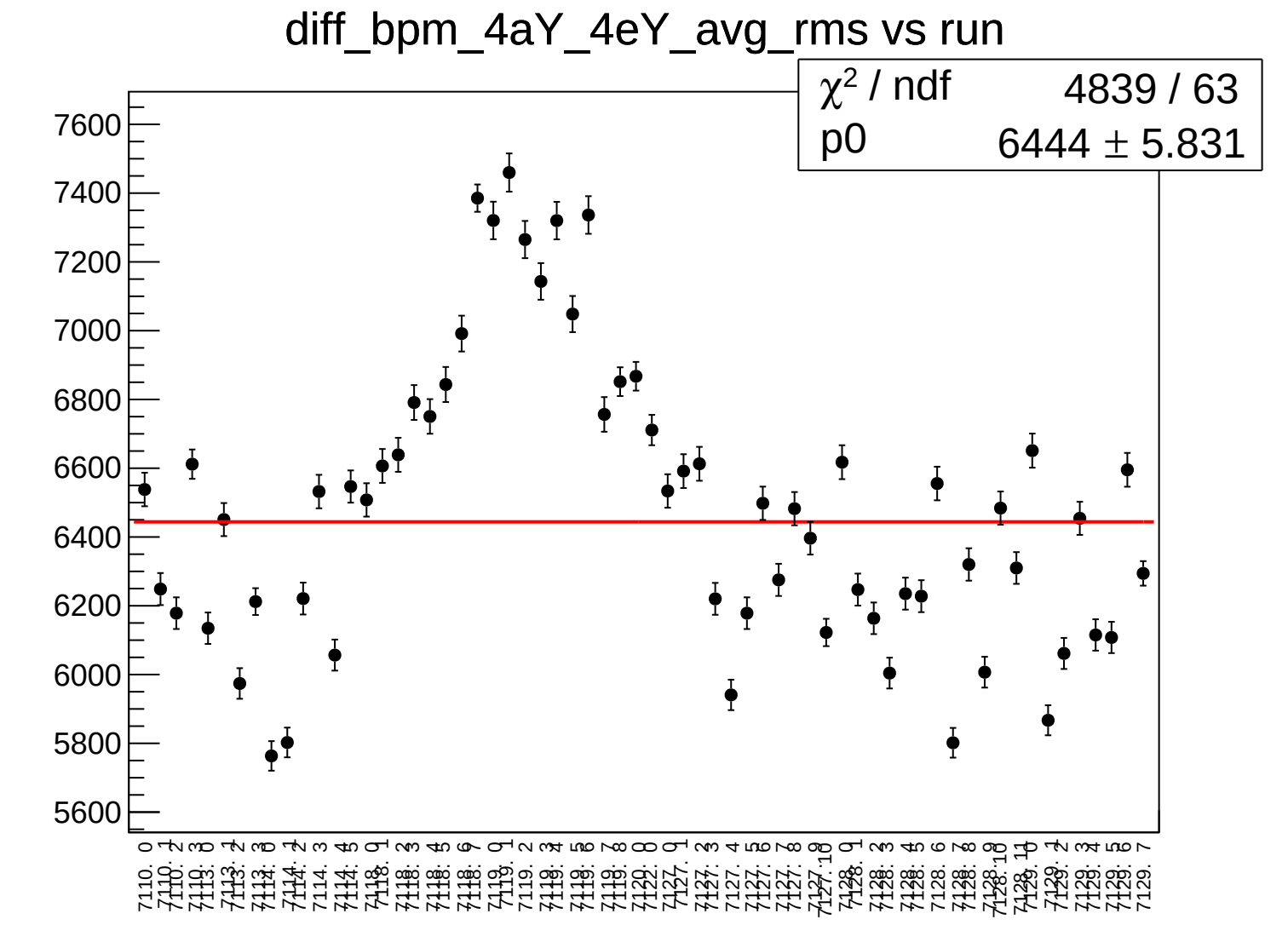

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 50.63 / 63
p0 −0.02216 ± 1.26
pull
Entries 64
Mean −7444
Std Dev 0

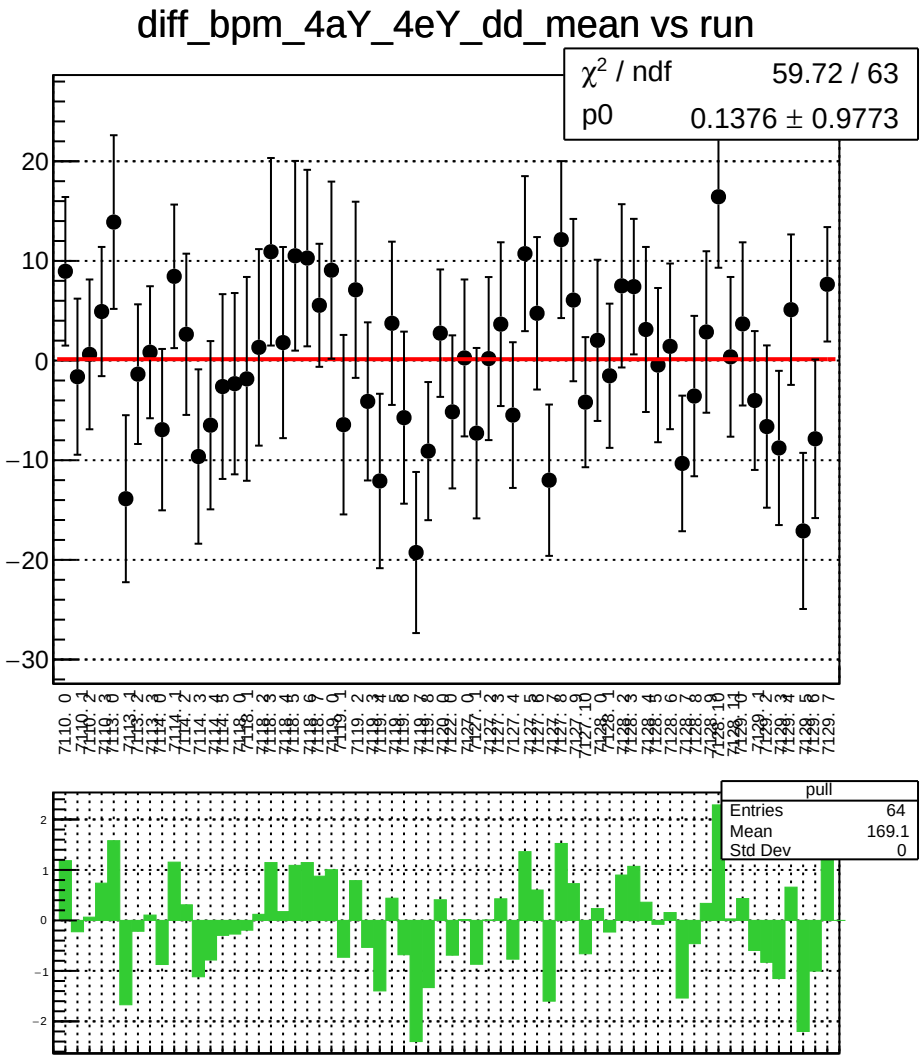

pull1D
Entries 64
Mean −0.0001656
Std Dev 0.8894

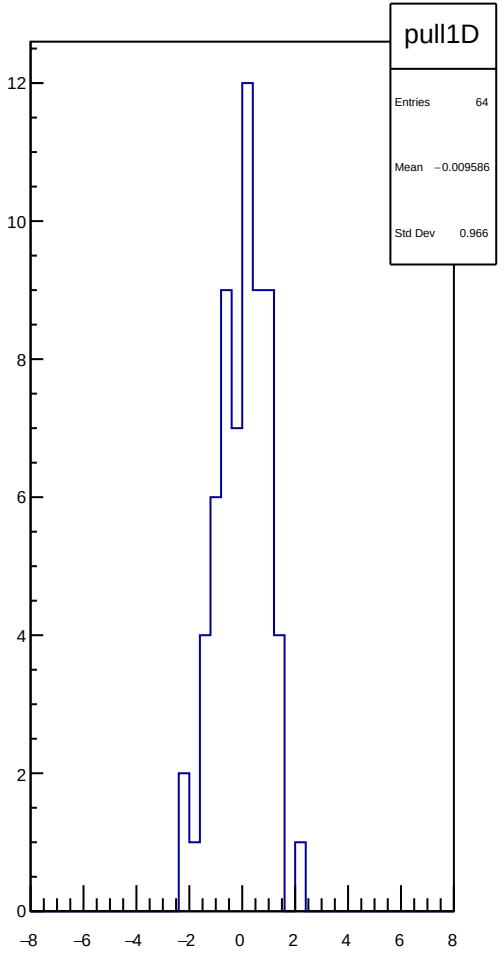

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 175.1 / 63
p0 986.4 ± 0.8909
1030
1020
1010
1000
990
980
970
960
950

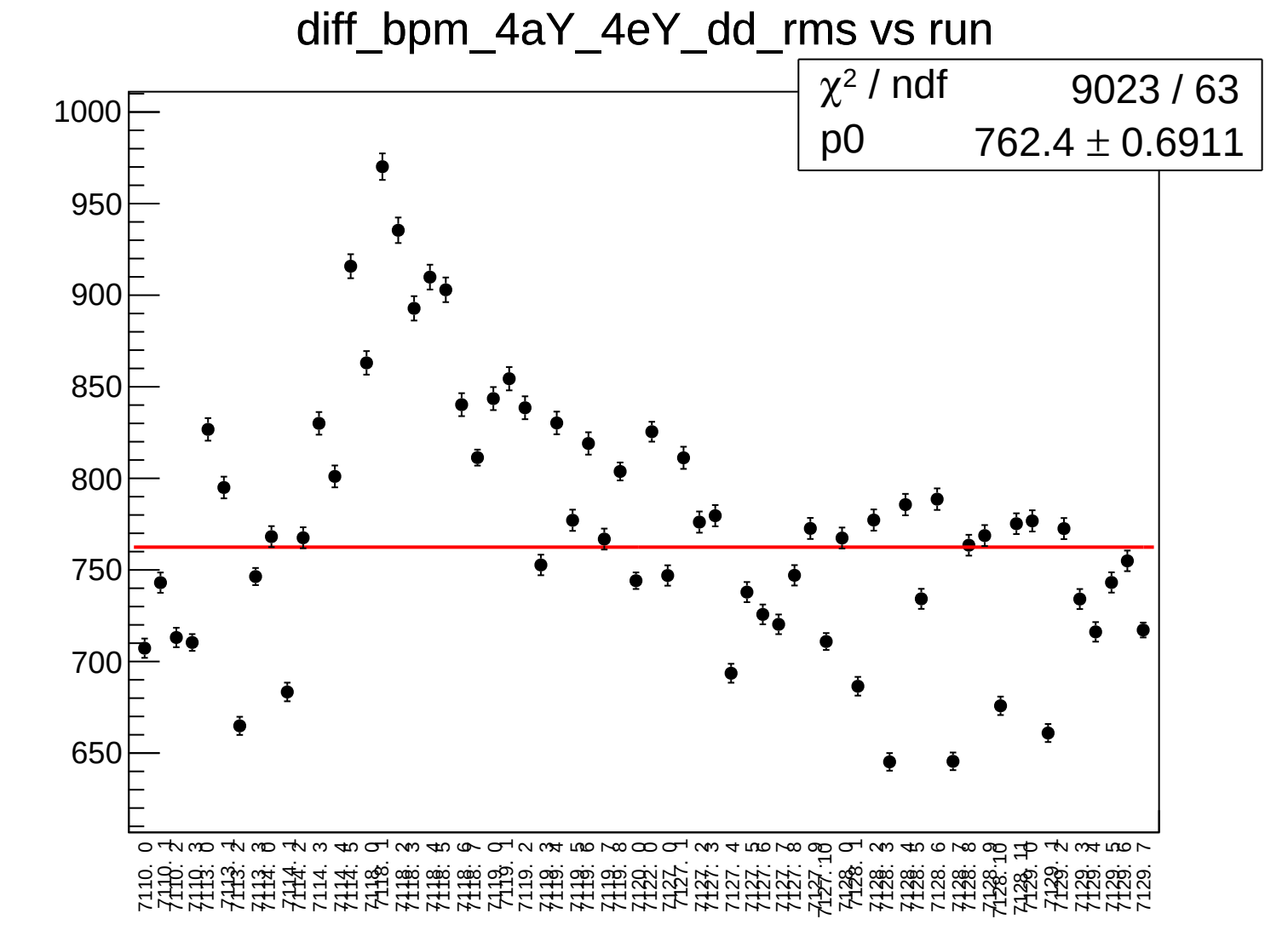

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 51.2 / 63
p0 6.478 ± 8.246
200
100
0
−100
−200
pull
Entries 64
Mean 59.69
Std Dev 0
2
1
0
−1
−2

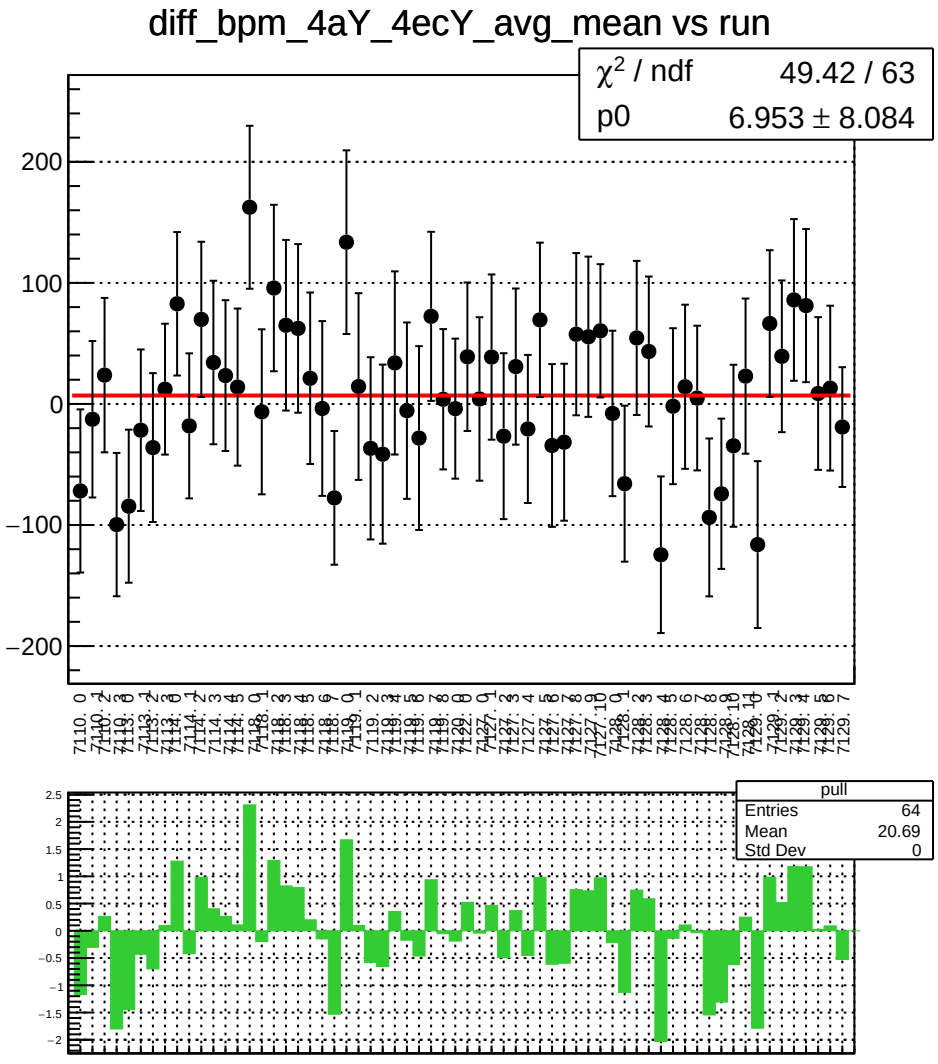

pull1D
Entries 64
Mean 0.009937
Std Dev 0.8944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

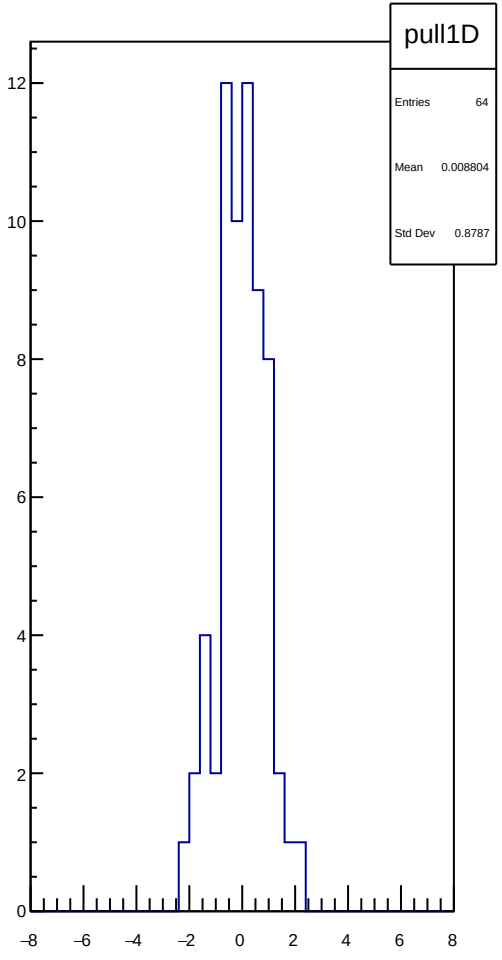

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 4839 / 63
p0 6444 ± 5.831
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

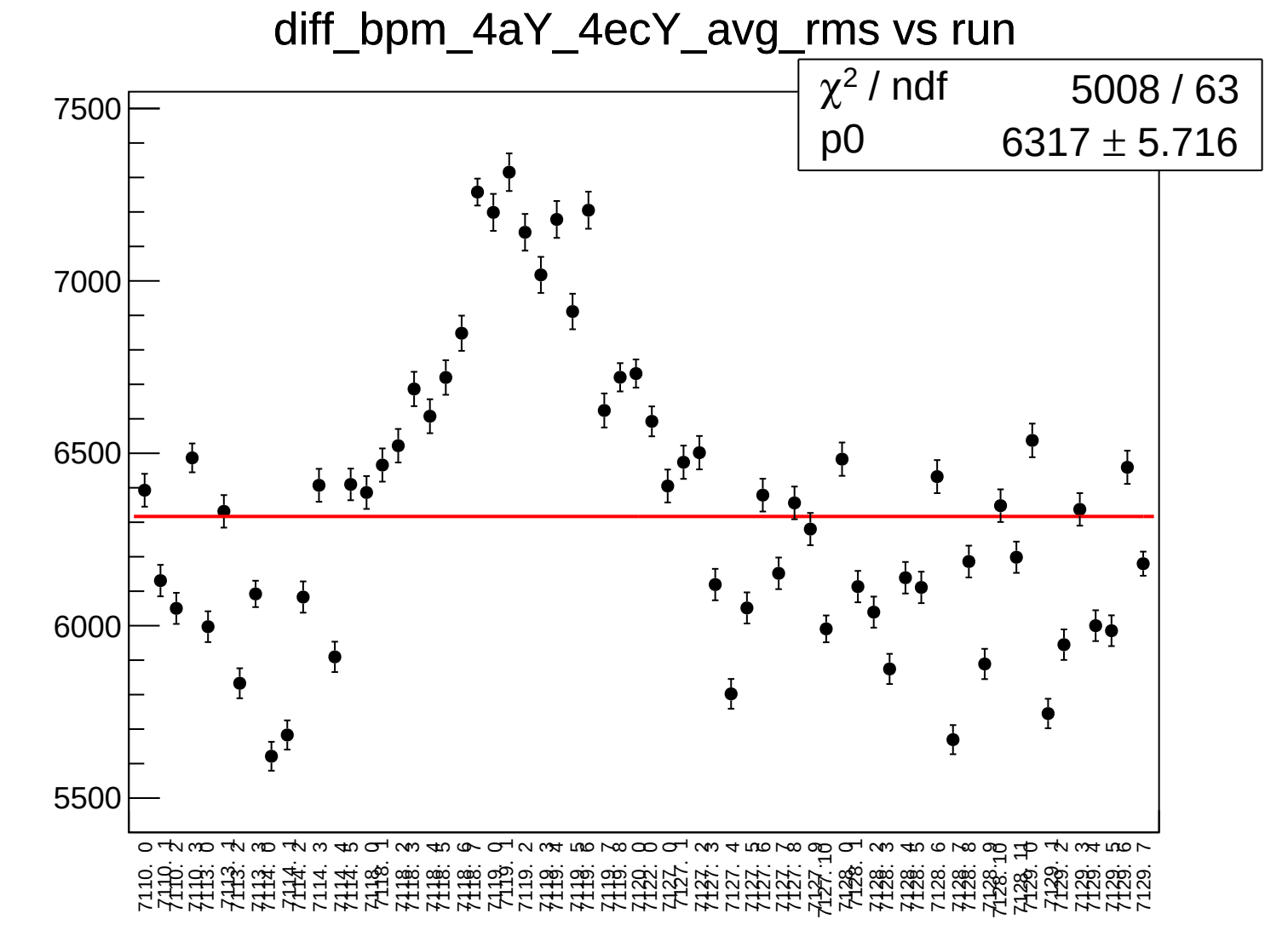

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 59.72 / 63
p0 0.1376 ± 0.9773
pull
Entries 64
Mean 169.1
Std Dev 0

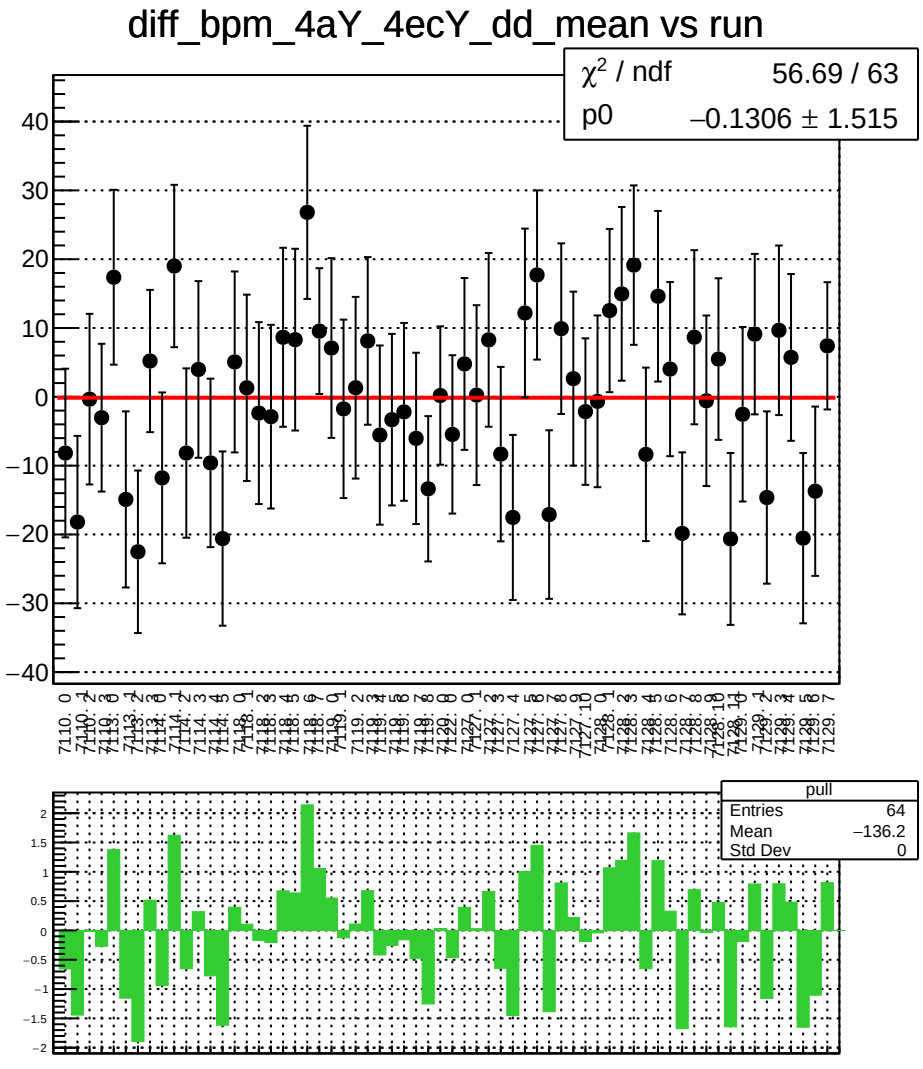

pull1D
Entries 64
Mean −0.009586
Std Dev 0.966

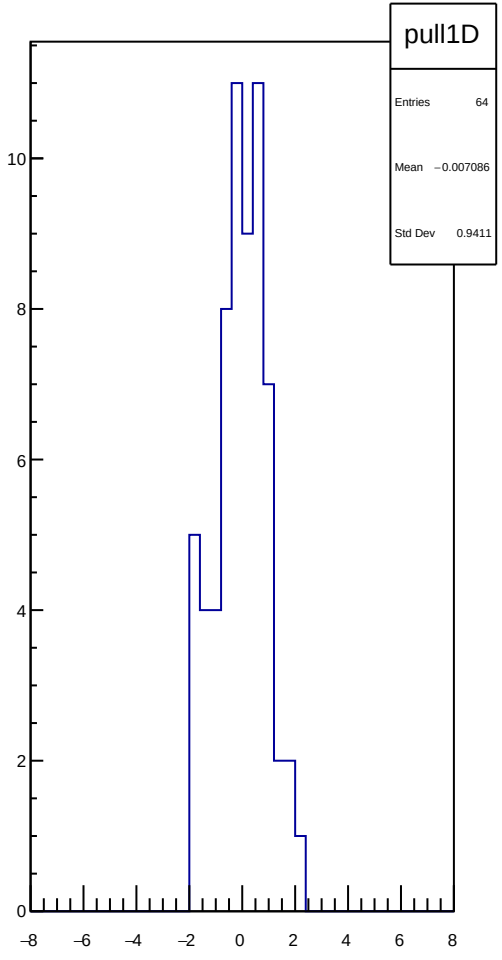

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 9023 / 63
p0 762.4 ± 0.6911
1000
950
900
850
800
750
700
650
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

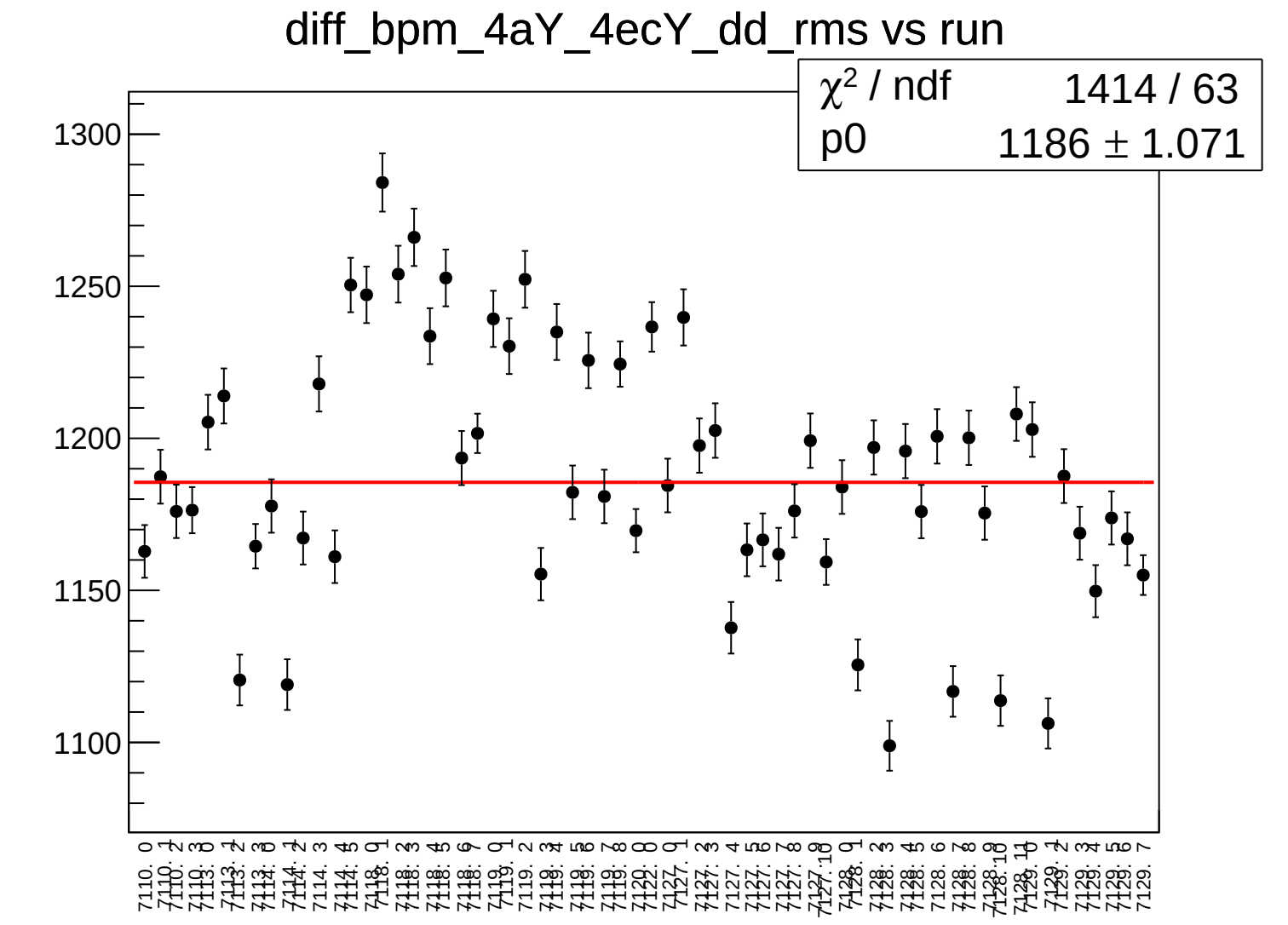

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 49.42 / 63
p0 6.953 ± 8.084
200
100
0
−100
−200
pull
Entries 64
Mean 20.69
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

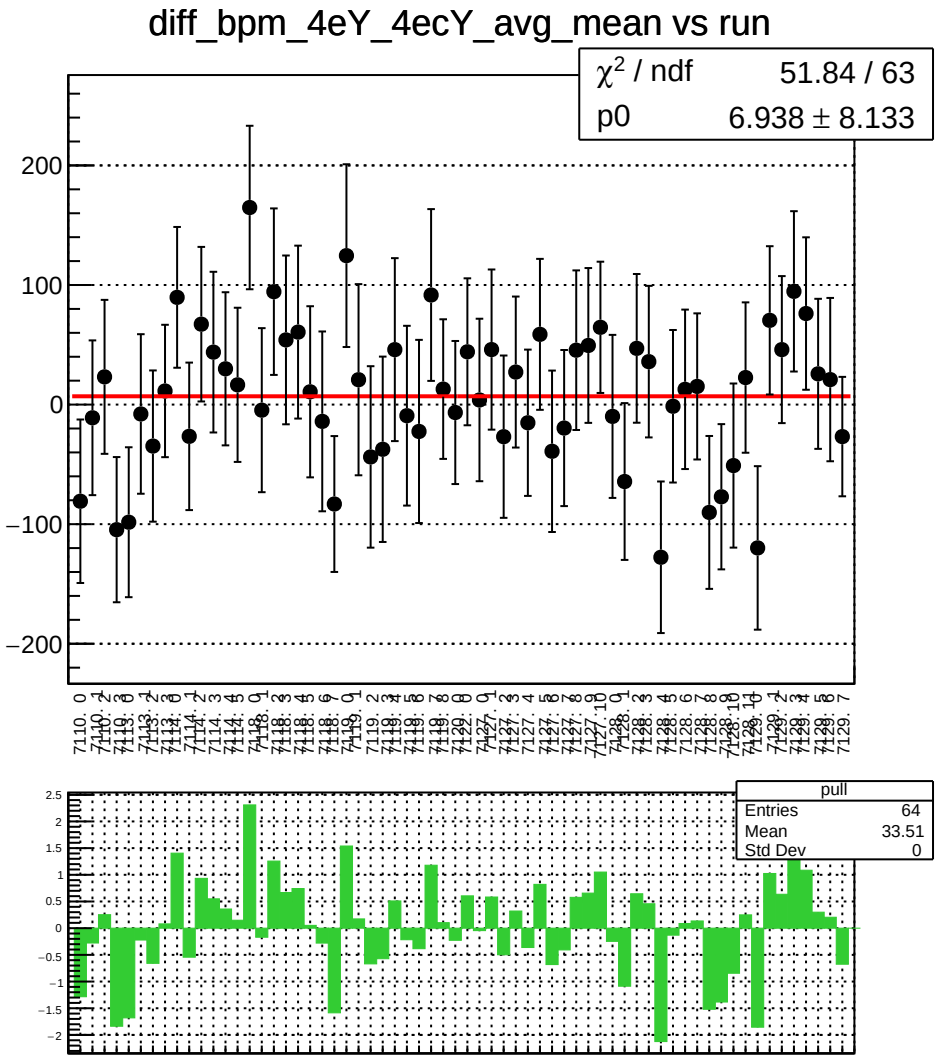

pull1D
Entries 64
Mean 0.008804
Std Dev 0.8787
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

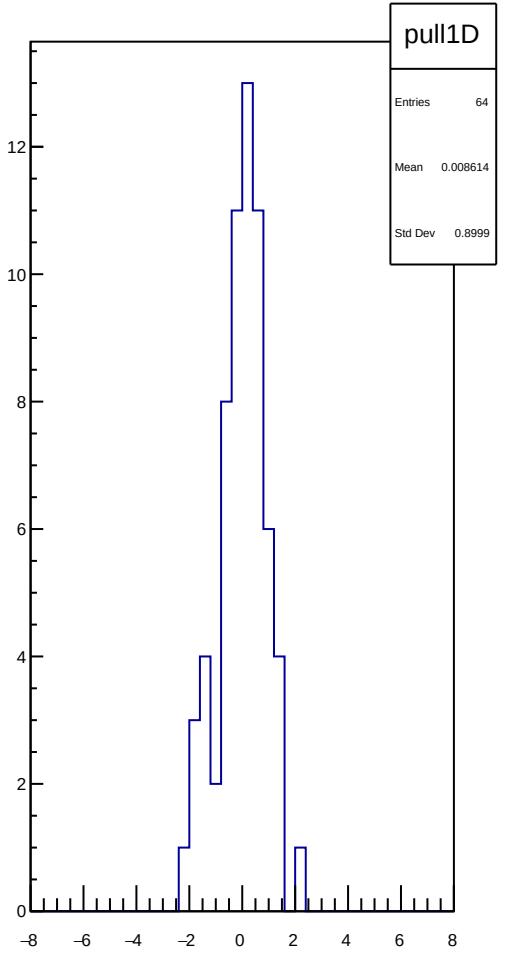

diff_bpm_4aY_4ecY_avg_rms vs run
χ^2 / ndf 5008 / 63
p0 6317 ± 5.716
7500
7000
6500
6000
5500

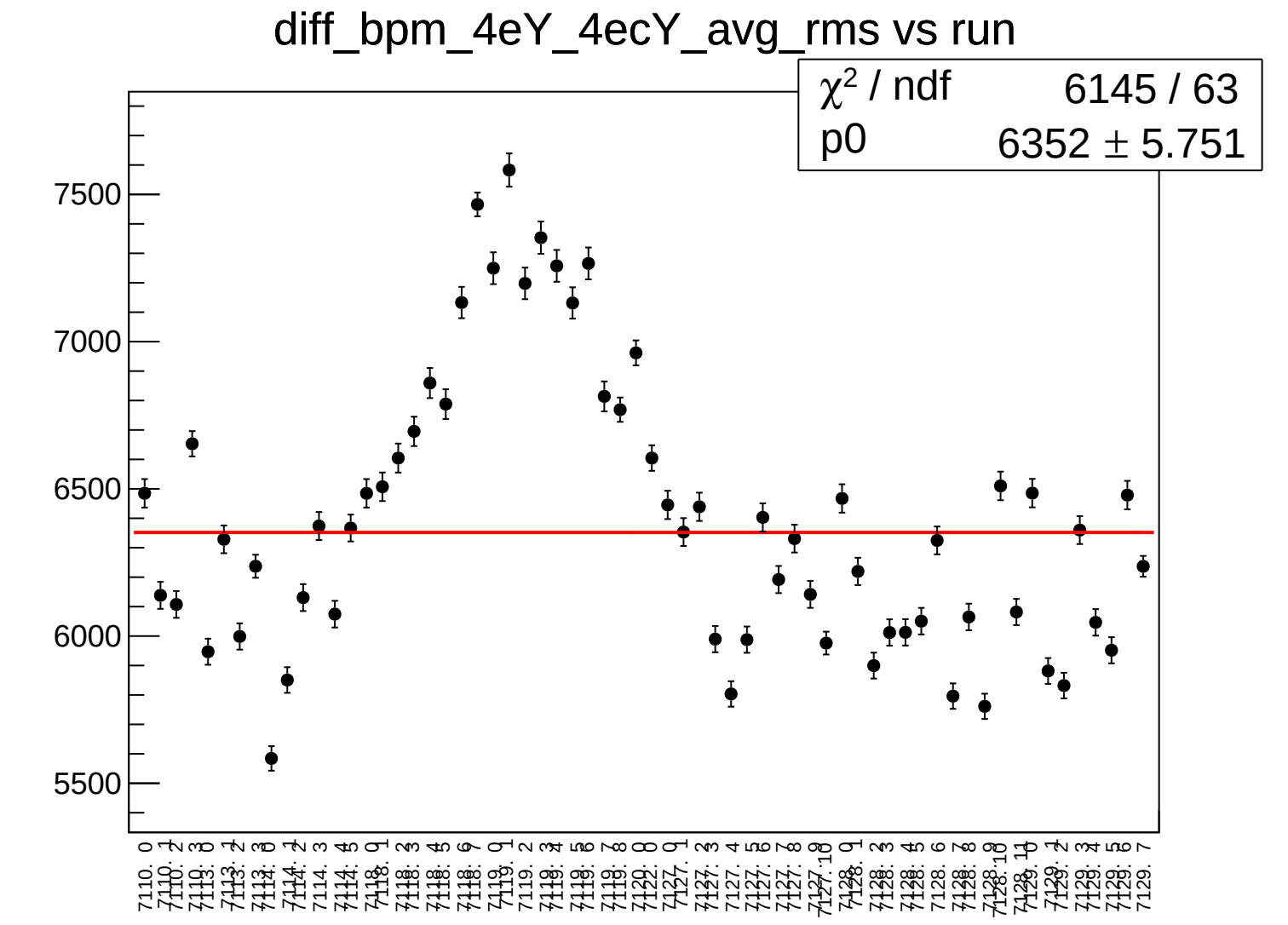

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 56.69 / 63
p0 −0.1306 ± 1.515
pull
Entries 64
Mean −136.2
Std Dev 0

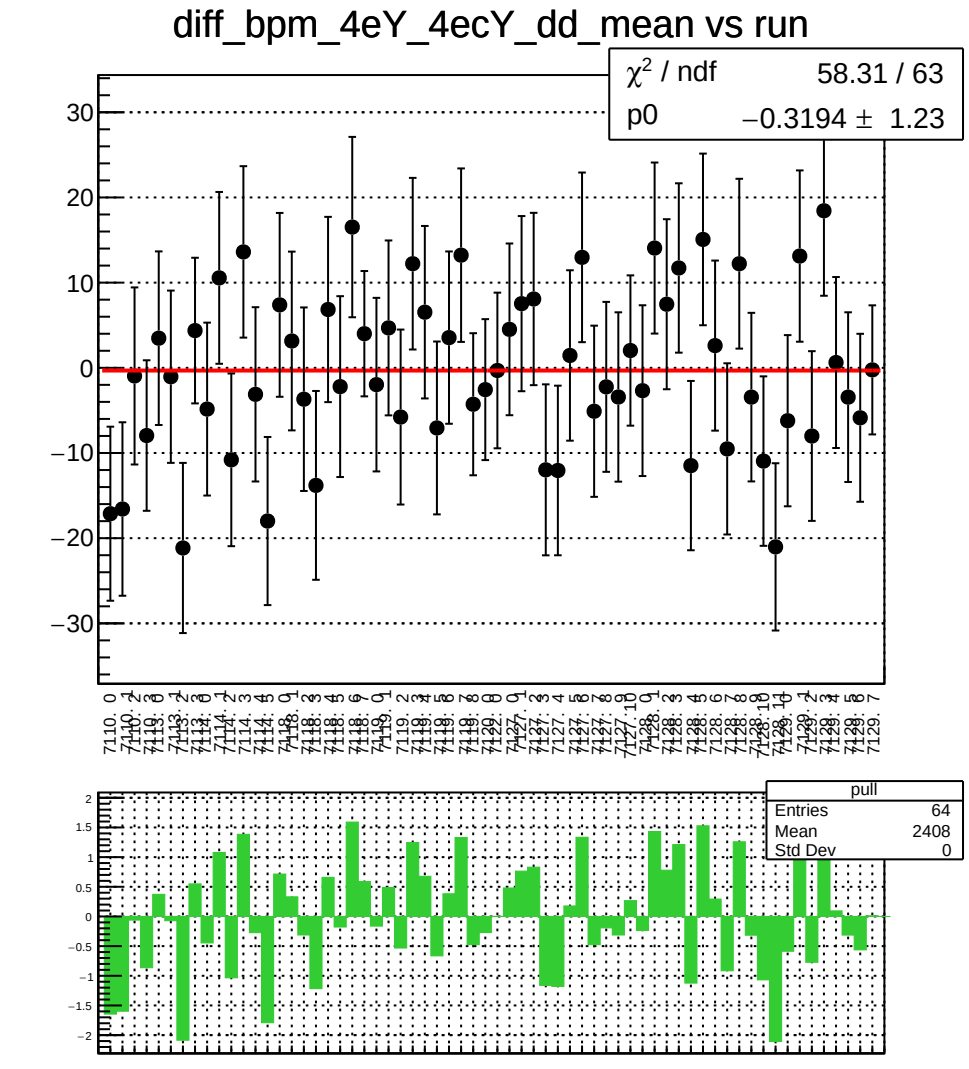

pull1D
Entries 64
Mean −0.007086
Std Dev 0.9411

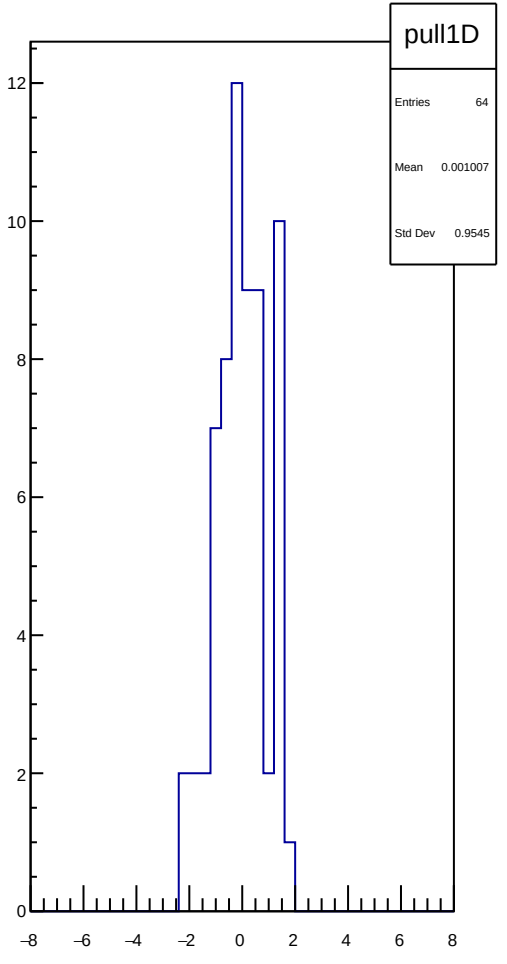

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1414 / 63
p0 1186 ± 1.071
1300
1250
1200
1150
1100

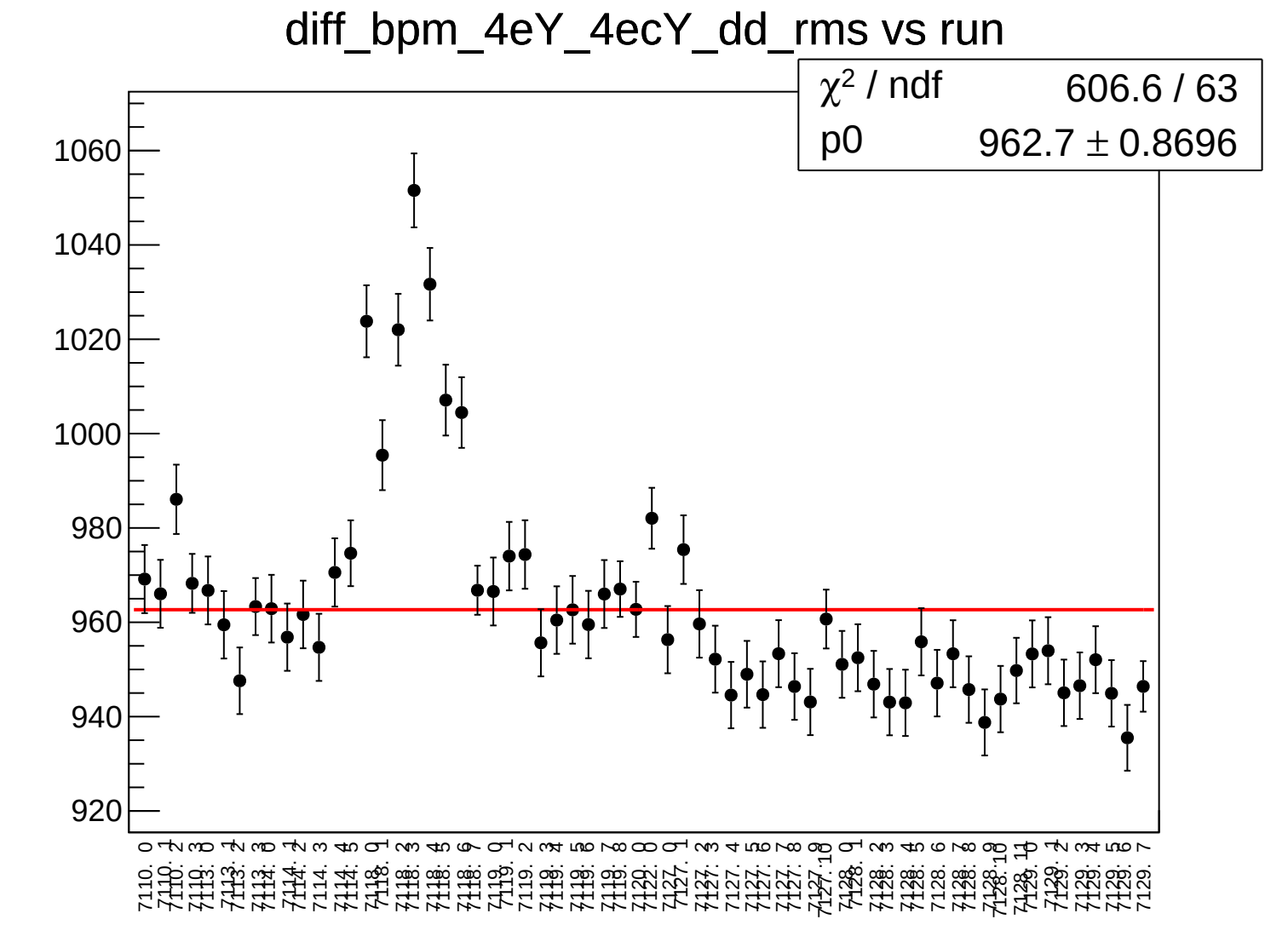

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 51.84 / 63
p0 6.938 ± 8.133
200
100
0
−100
−200
pull
Entries 64
Mean 33.51
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

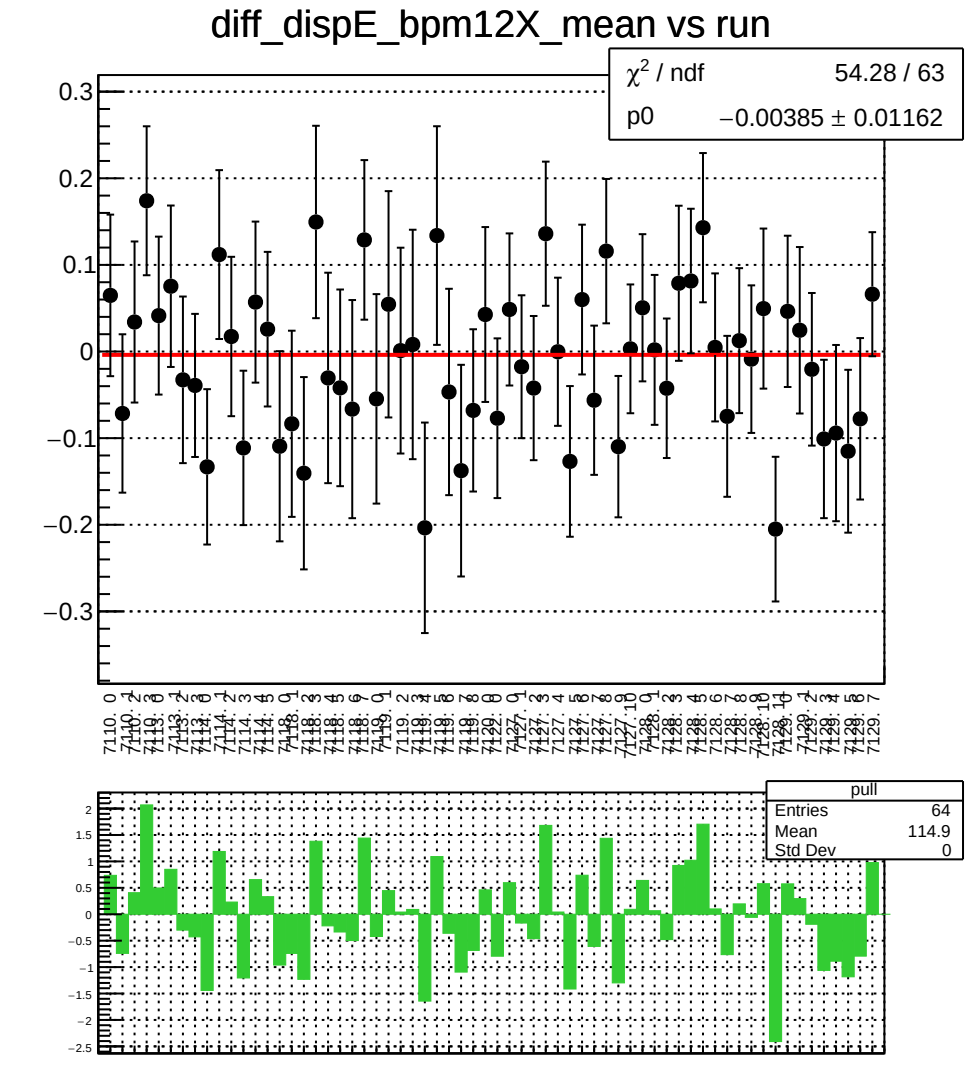

pull1D
Entries 64
Mean 0.008614
Std Dev 0.8999
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

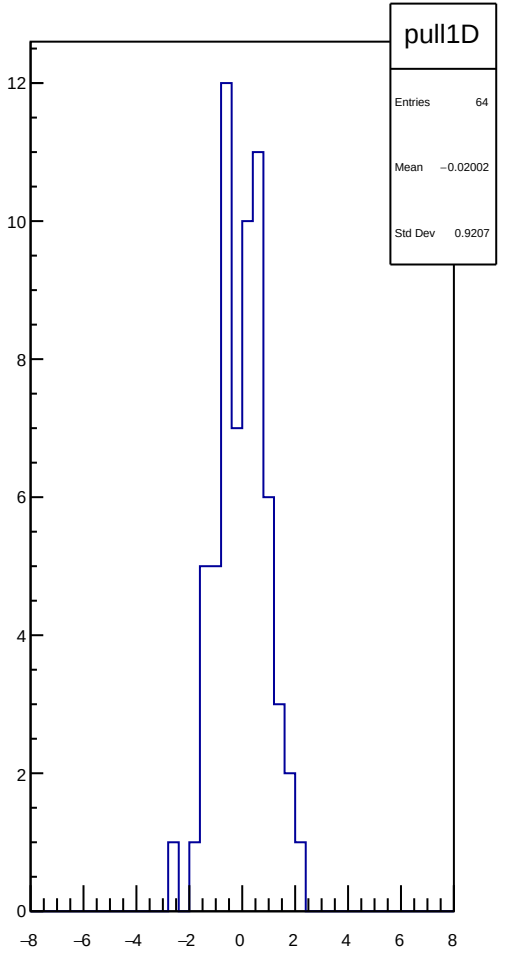

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 6145 / 63
p0 6352 ± 5.751
7500
7000
6500
6000
5500

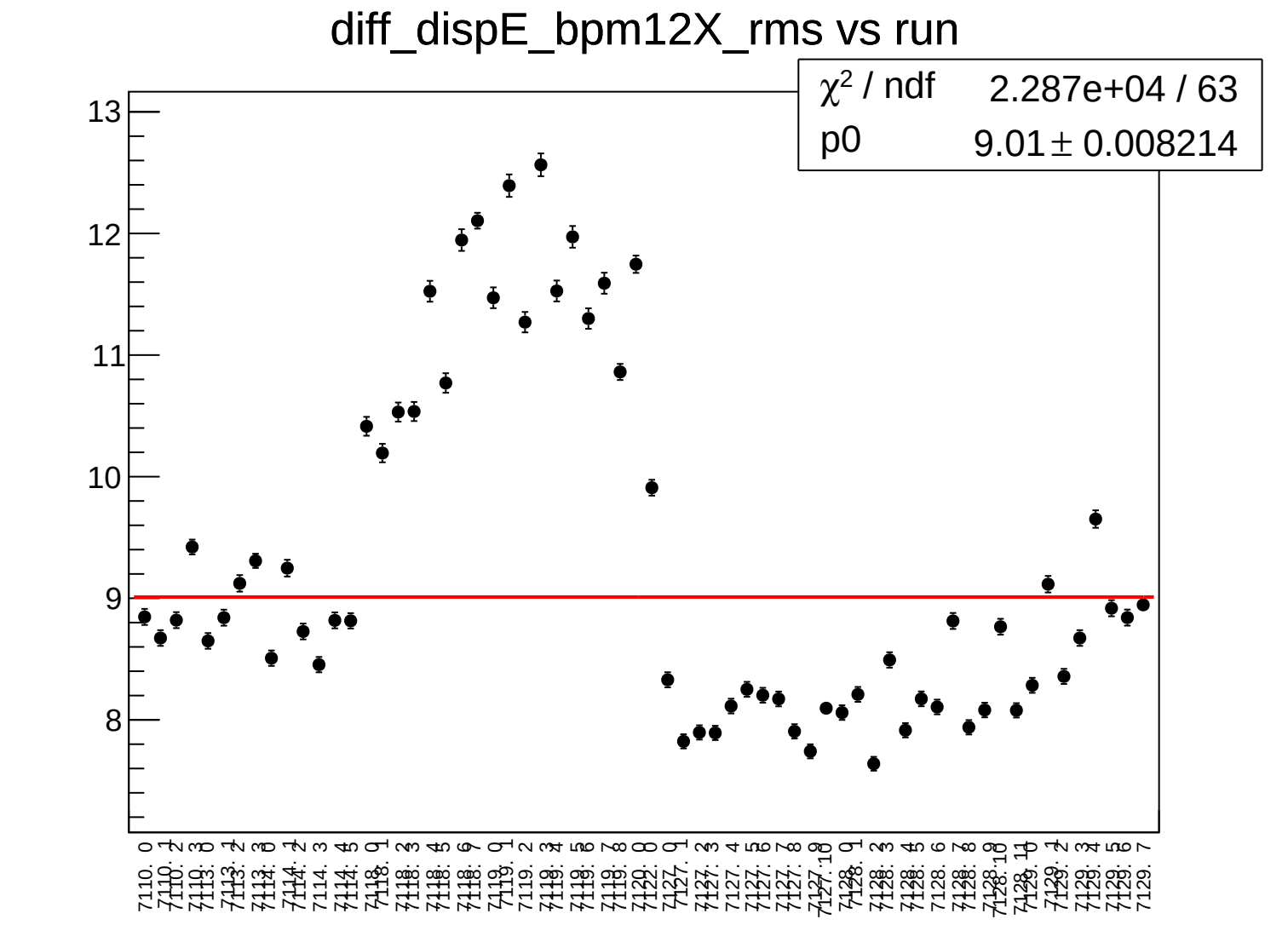

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 58.31 / 63
p0 −0.3194 ± 1.23
pull
Entries 64
Mean 2408
Std Dev 0

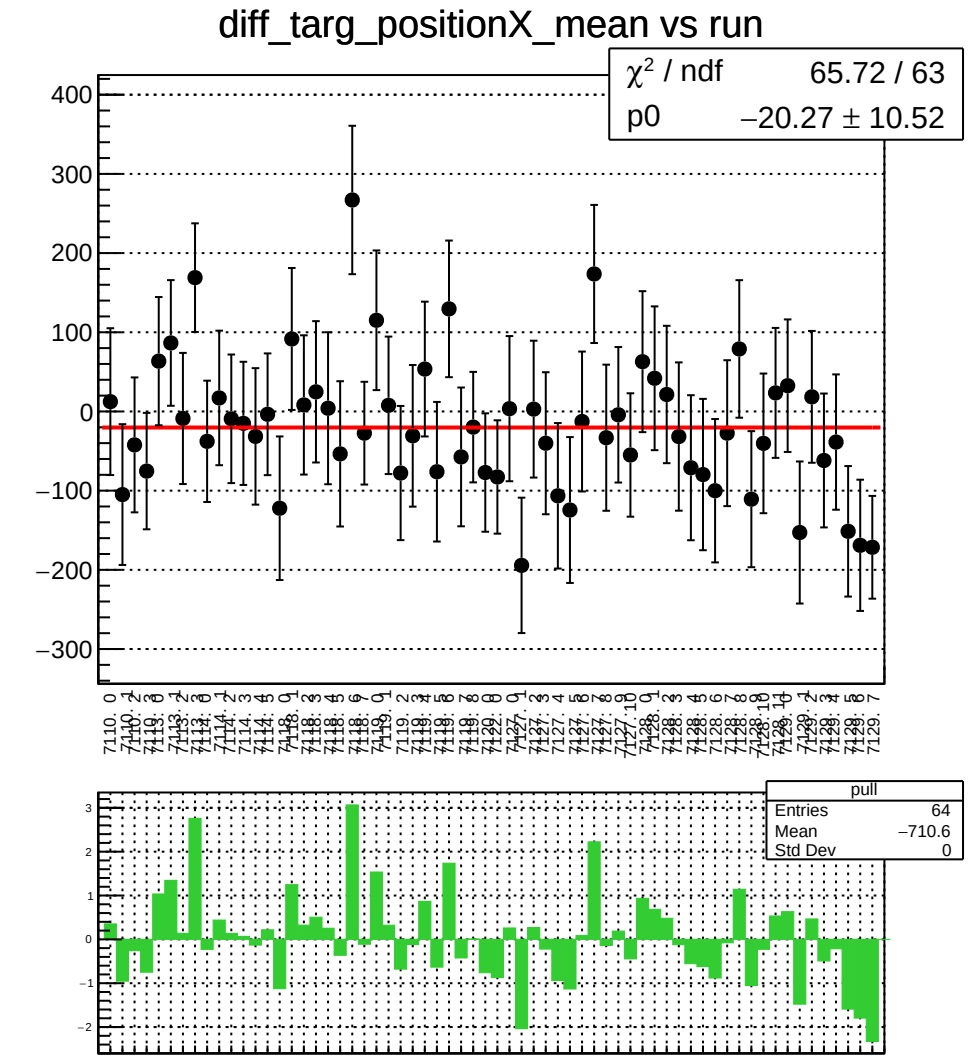

pull1D
Entries 64
Mean 0.001007
Std Dev 0.9545

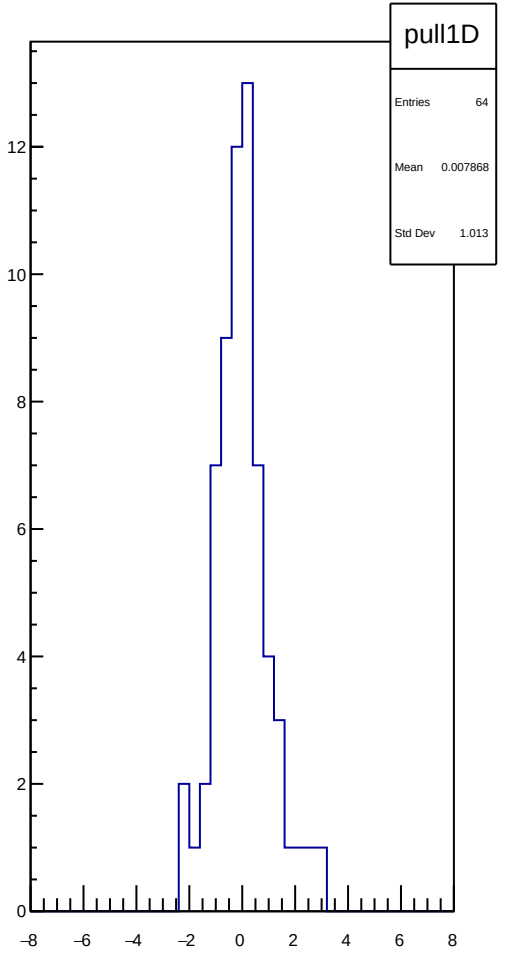

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 606.6 / 63
p0 962.7 ± 0.8696
1060
1040
1020
1000
980
960
940
920

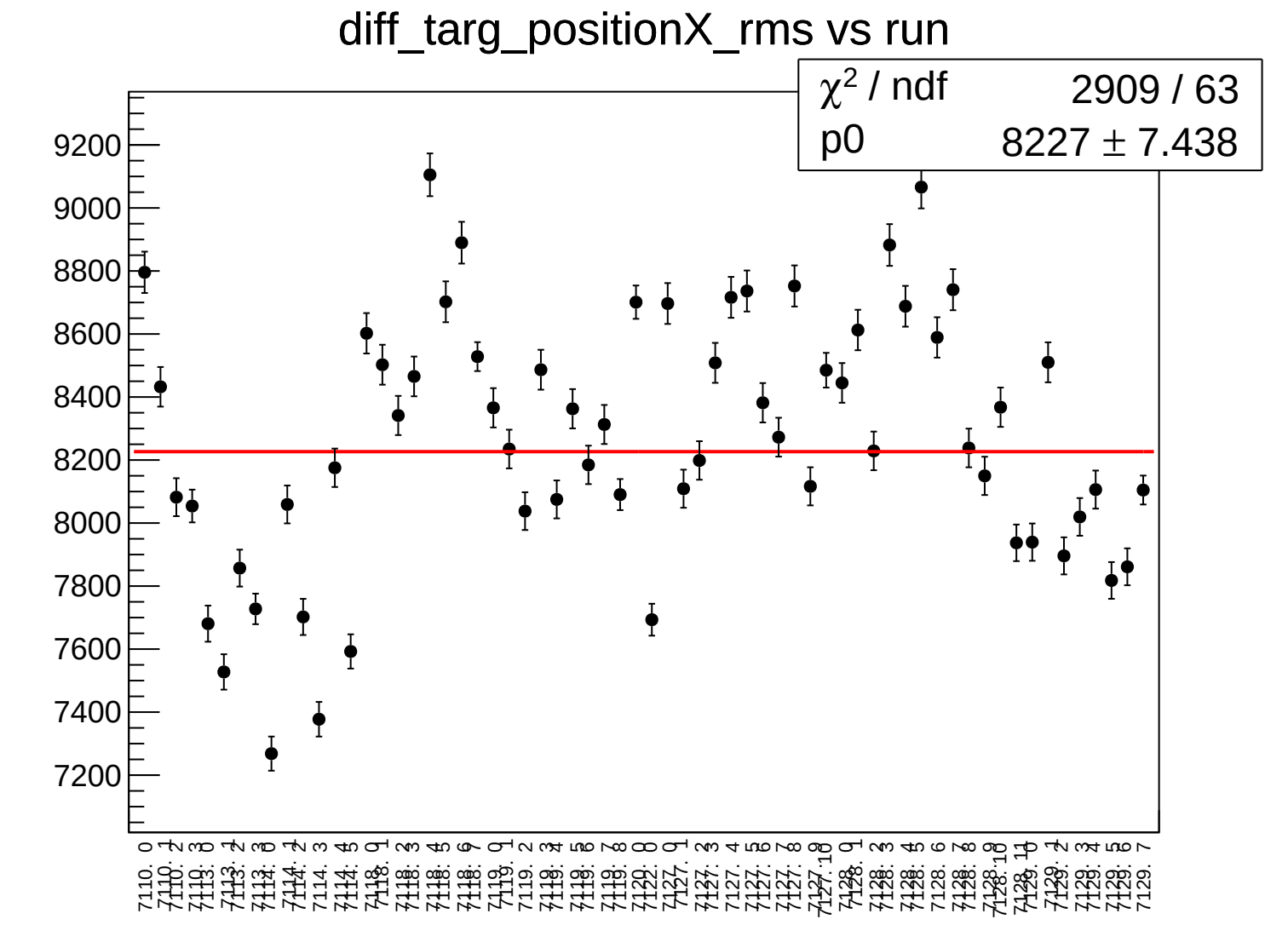

diff_dispE_bpm12X_mean vs run
χ² / ndf 54.28 / 63
p0 −0.00385 ± 0.01162
pull
Entries 64
Mean 114.9
Std Dev 0

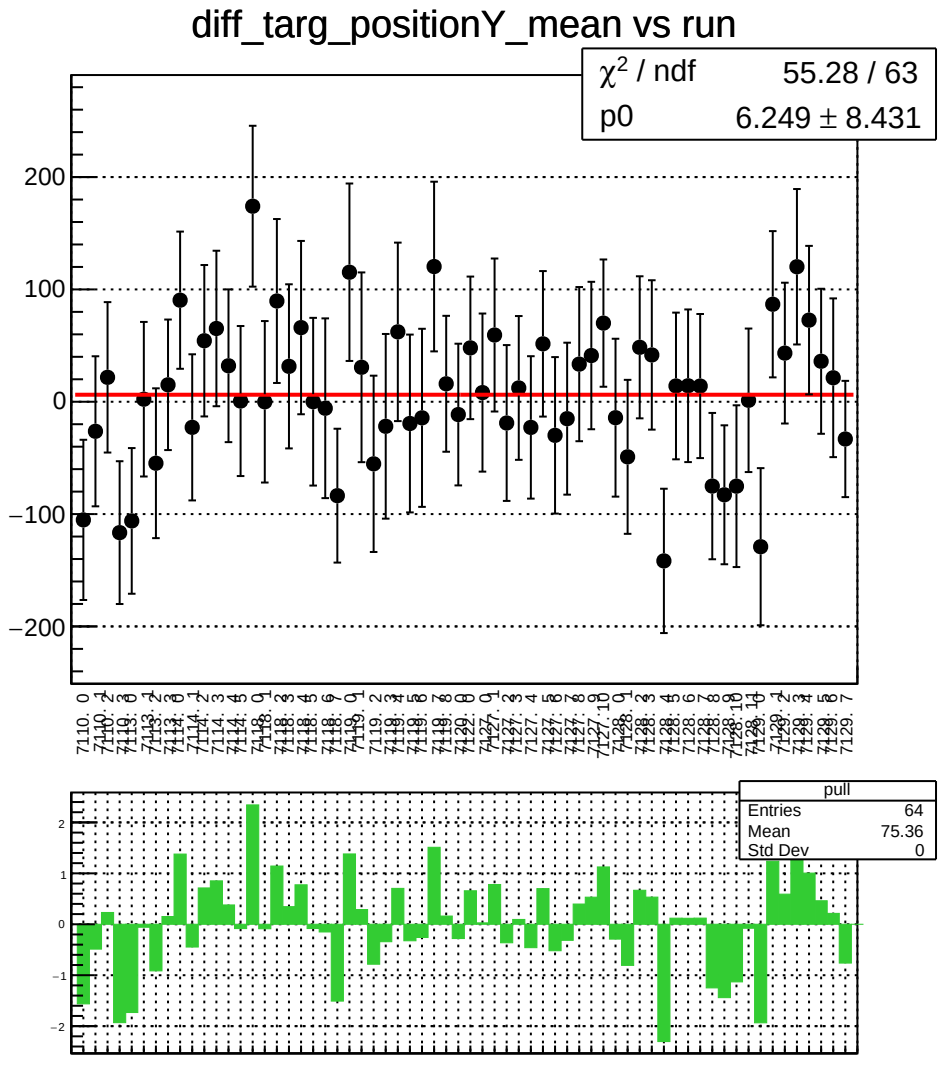

pull1D
Entries 64
Mean −0.02002
Std Dev 0.9207

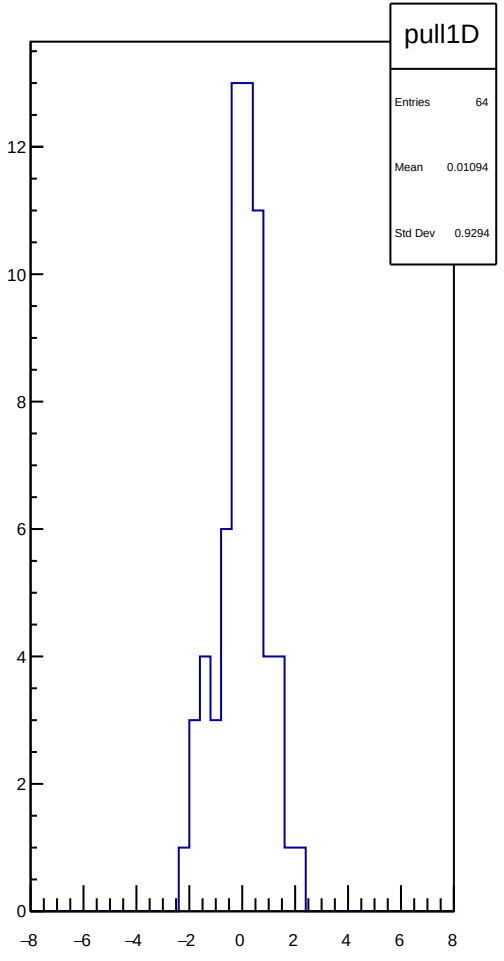

diff_dispE_bpm12X_rms vs run
χ² / ndf 2.287e+04 / 63
p0 9.01 ± 0.008214
13
12
11
10
9
8

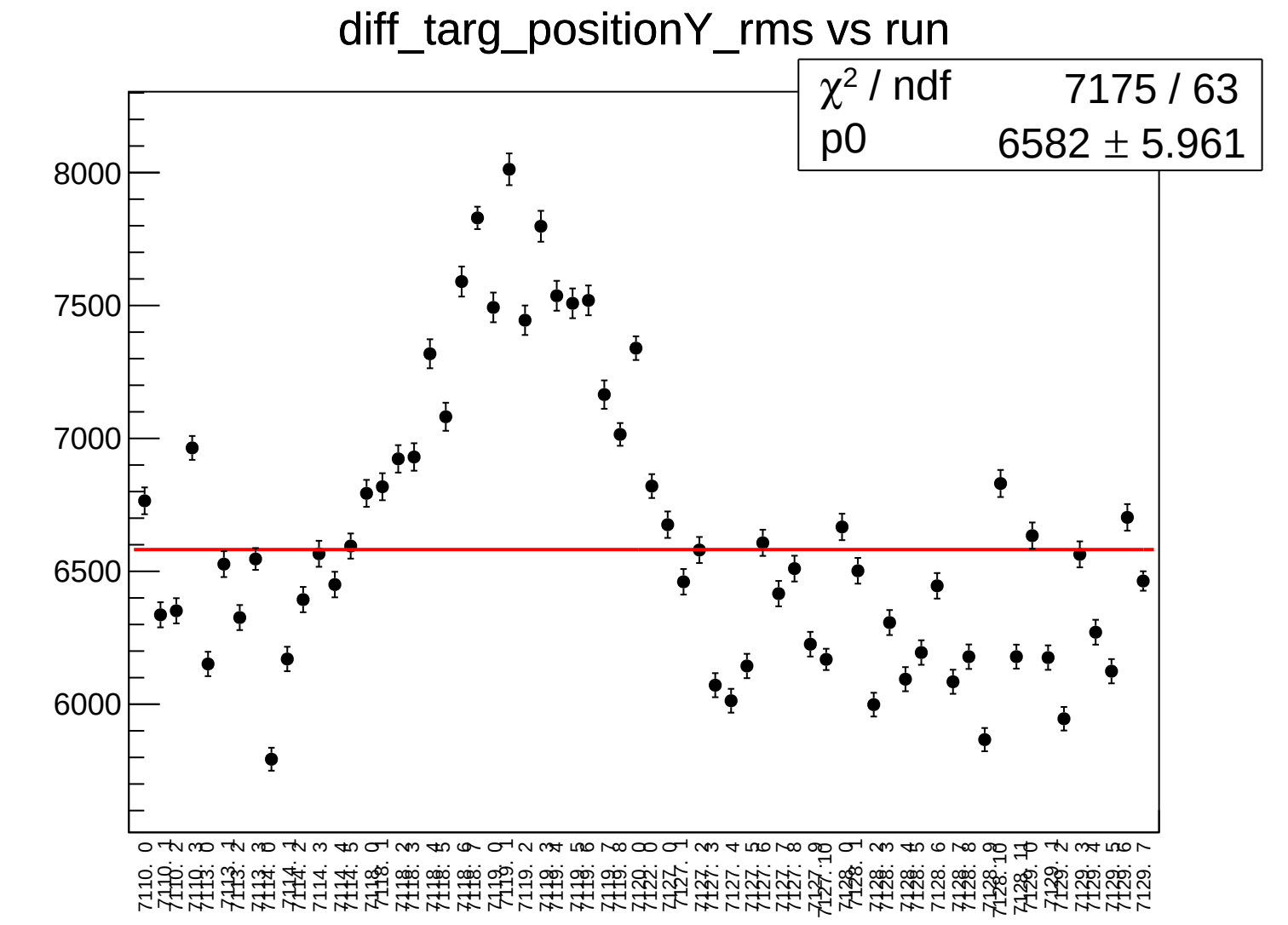

diff_targ_positionX_mean vs run
χ² / ndf 65.72 / 63
p0 −20.27 ± 10.52
pull
Entries 64
Mean −710.6
Std Dev 0

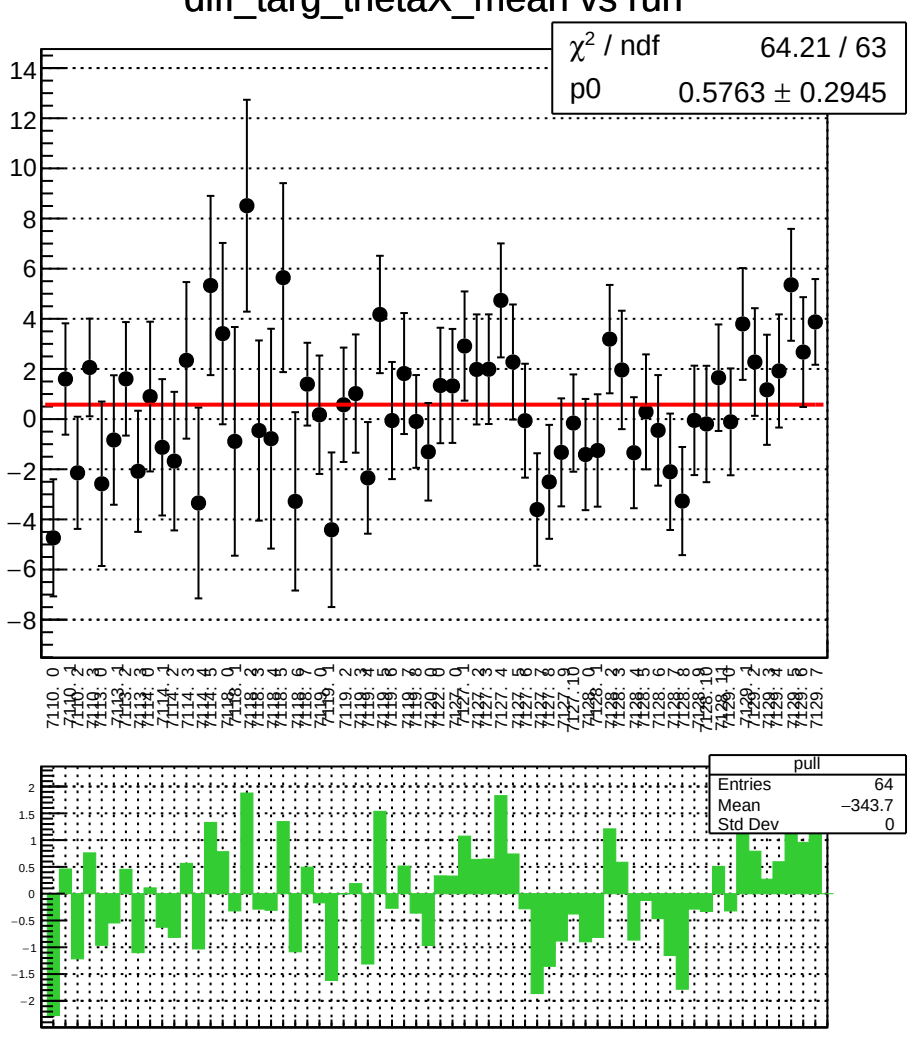

pull1D
Entries 64
Mean 0.007868
Std Dev 1.013

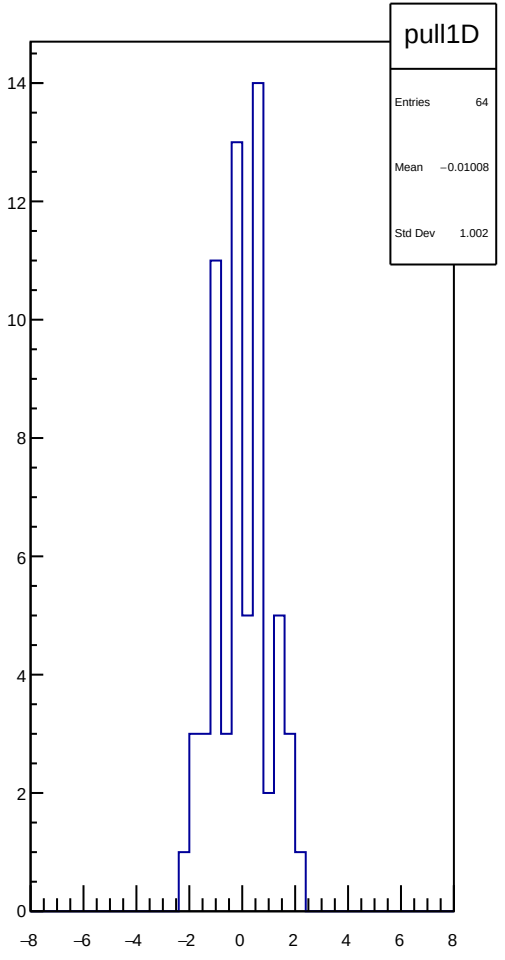

diff_targ_positionX_rms vs run
χ² / ndf 2909 / 63
p0 8227 ± 7.438
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

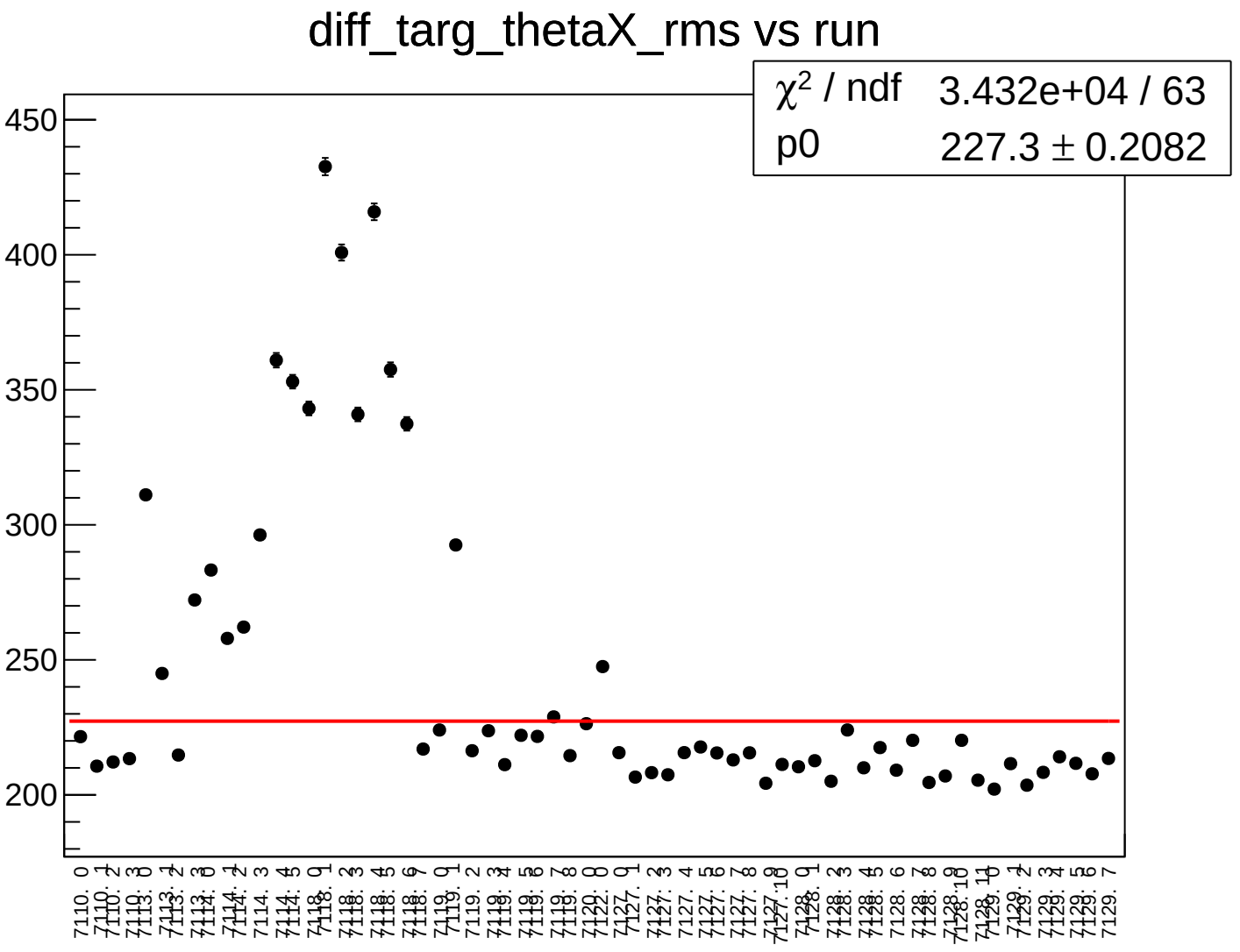

diff_targ_positionY_mean vs run
χ² / ndf 55.28 / 63
p0 6.249 ± 8.431
200
100
0
−100
−200
pull
Entries 64
Mean 75.36
Std Dev 0
2
1
0
−1
−2

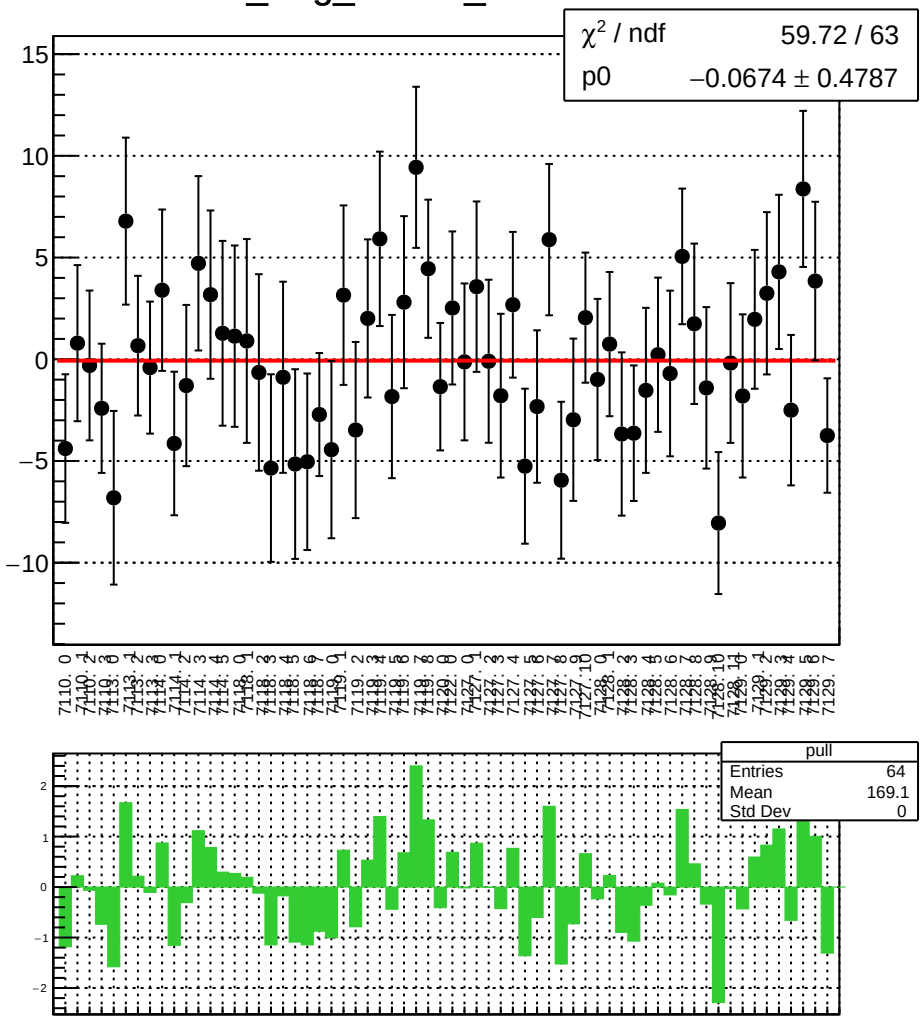

pull1D
Entries 64
Mean 0.01094
Std Dev 0.9294
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

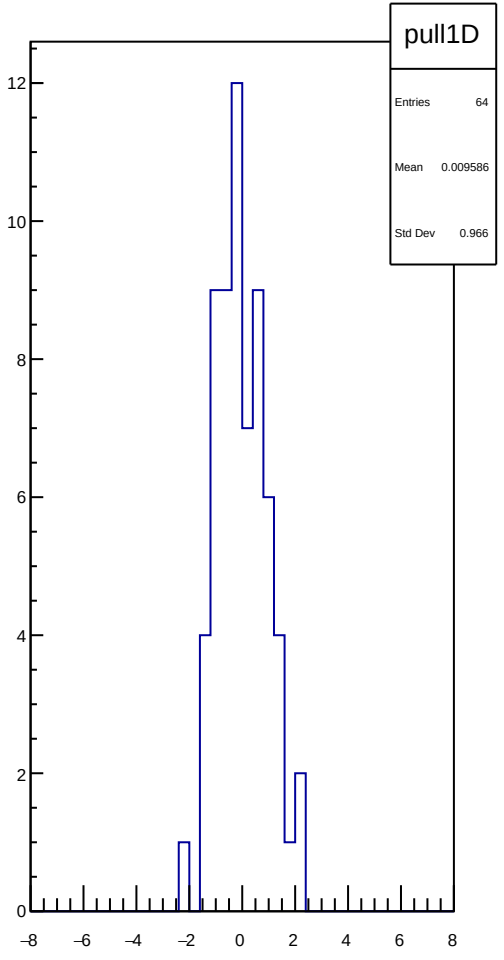

diff_targ_positionY_rms vs run
χ² / ndf 7175 / 63
p0 6582 ± 5.961
8000
7500
7000
6500
6000

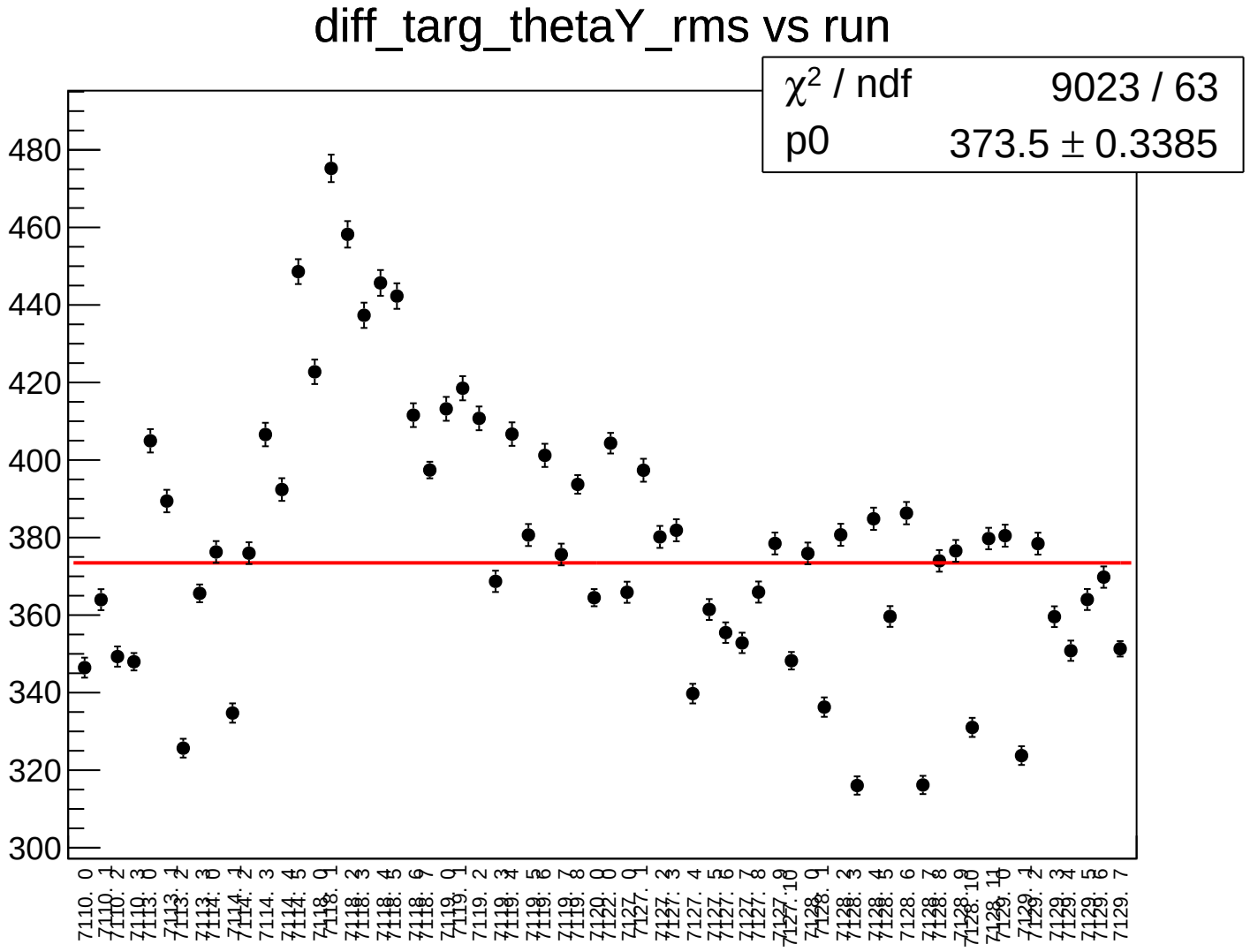

diff_targ_thetaX_mean vs run
χ² / ndf 64.21 / 63
p0 0.5763 ± 0.2945
pull
Entries 64
Mean −343.7
Std Dev 0

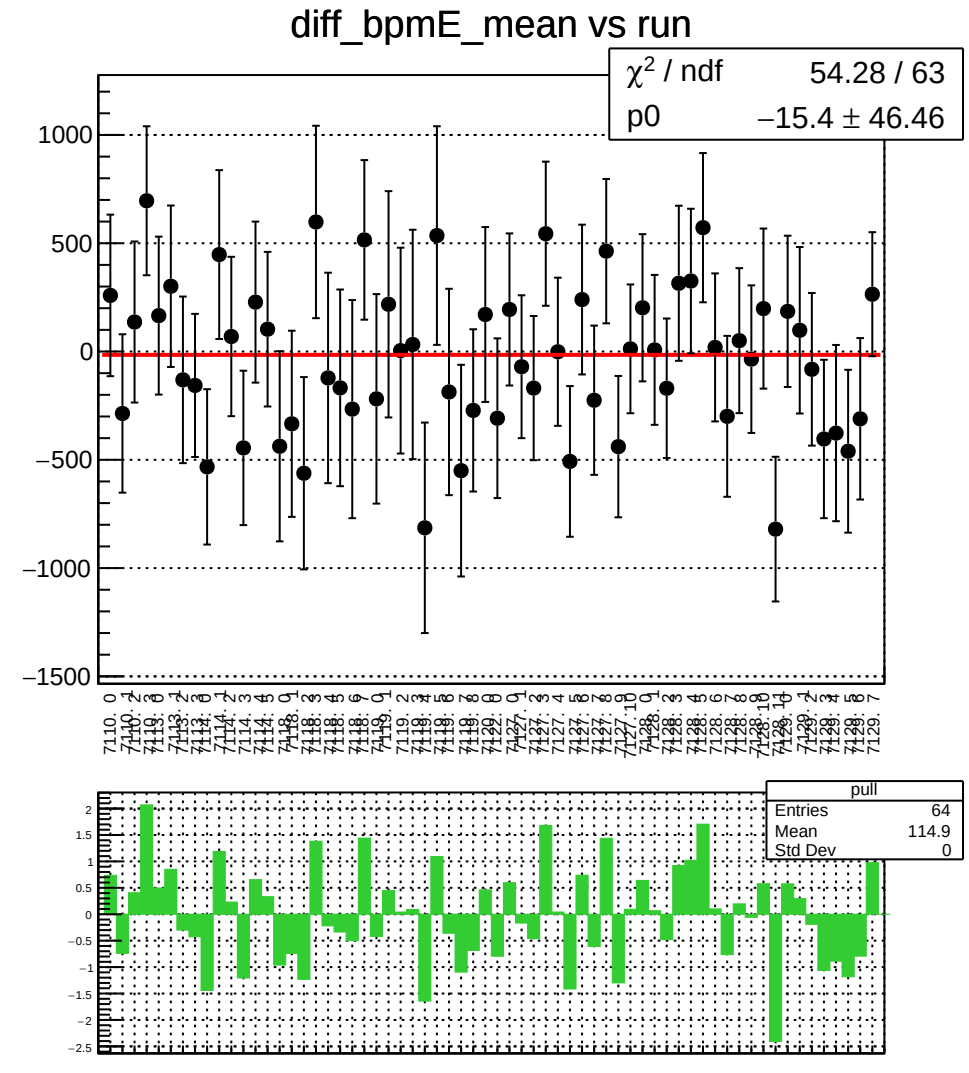

pull1D
Entries 64
Mean −0.01008
Std Dev 1.002

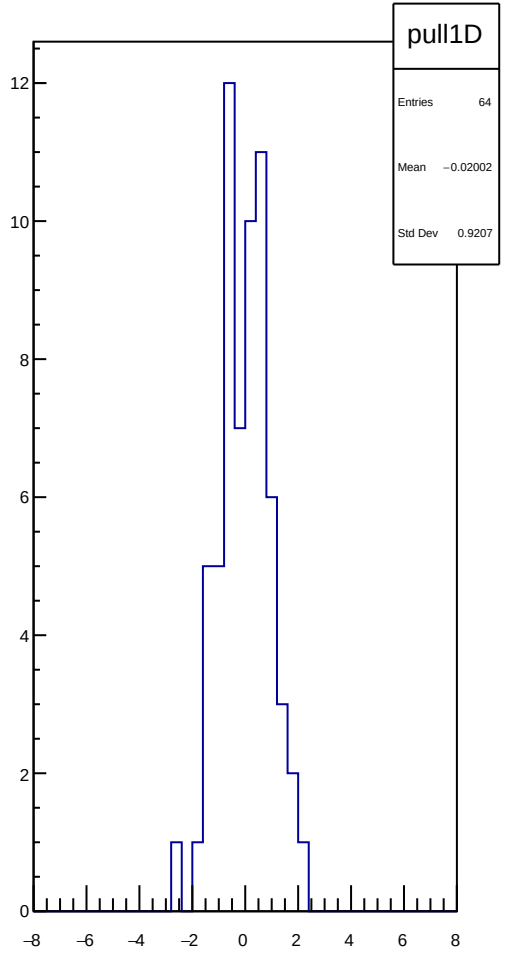

diff_targ_thetaX_rms vs run
χ² / ndf 3.432e+04 / 63
p0 227.3 ± 0.2082
450
400
350
300
250
200

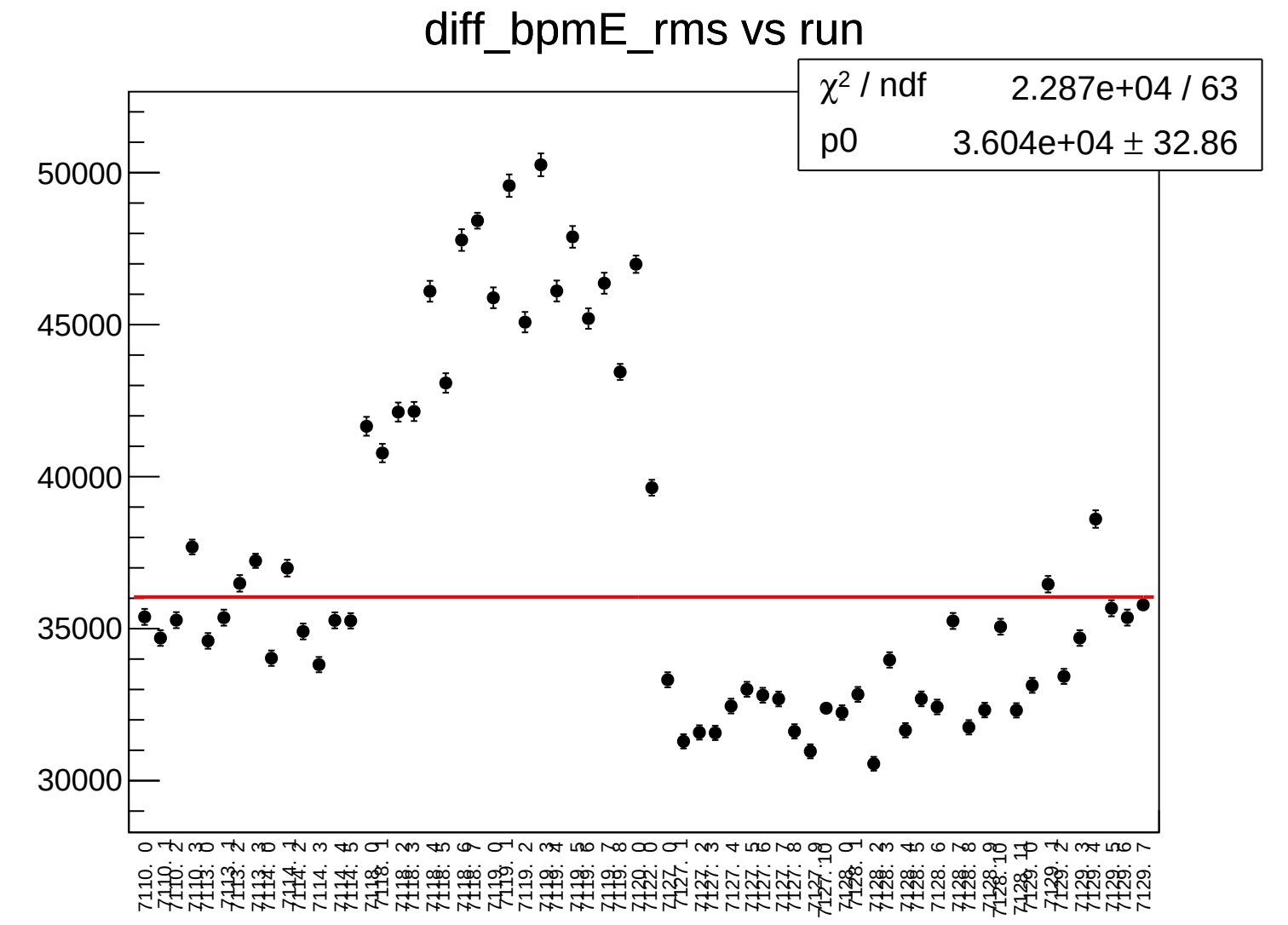

diff_targ_thetaY_mean vs run
χ² / ndf 59.72 / 63
p0 −0.0674 ± 0.4787
pull
Entries 64
Mean 169.1
Std Dev 0

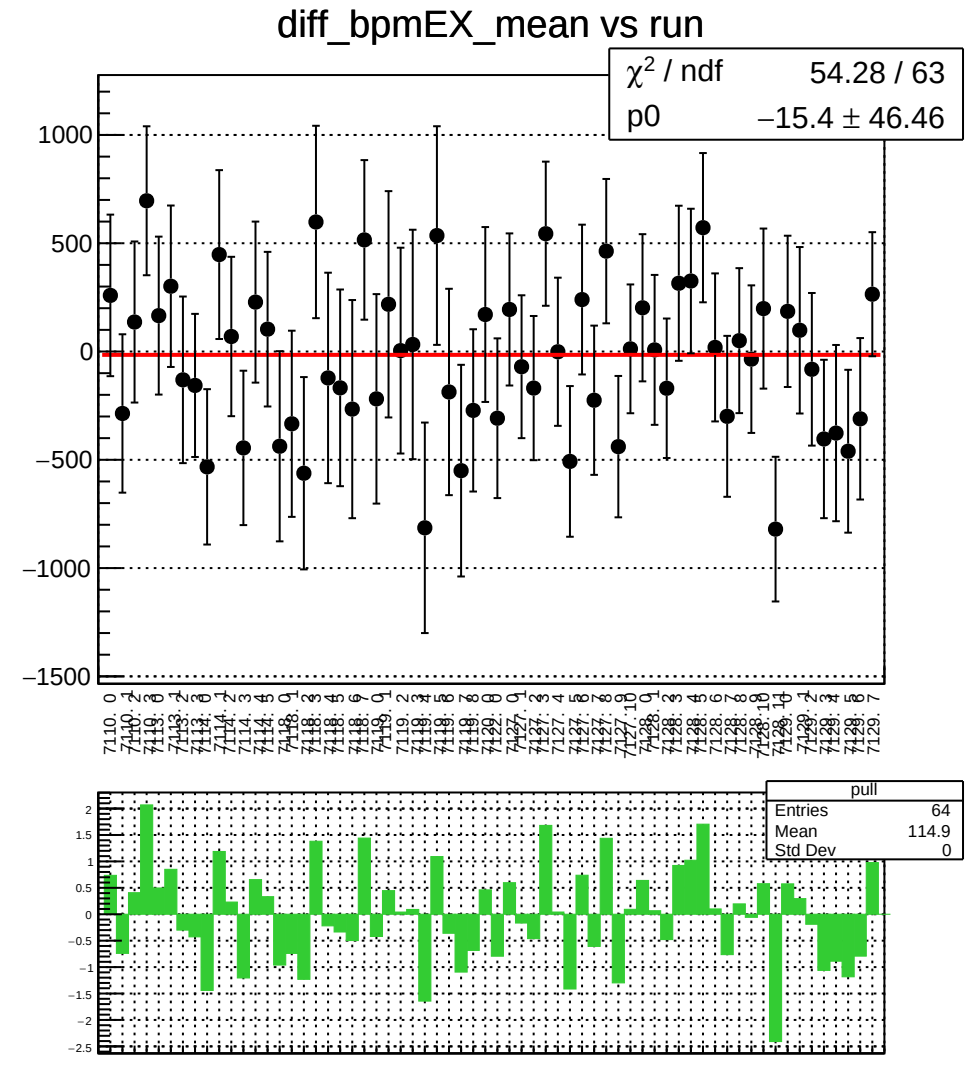

pull1D
Entries 64
Mean 0.009586
Std Dev 0.966

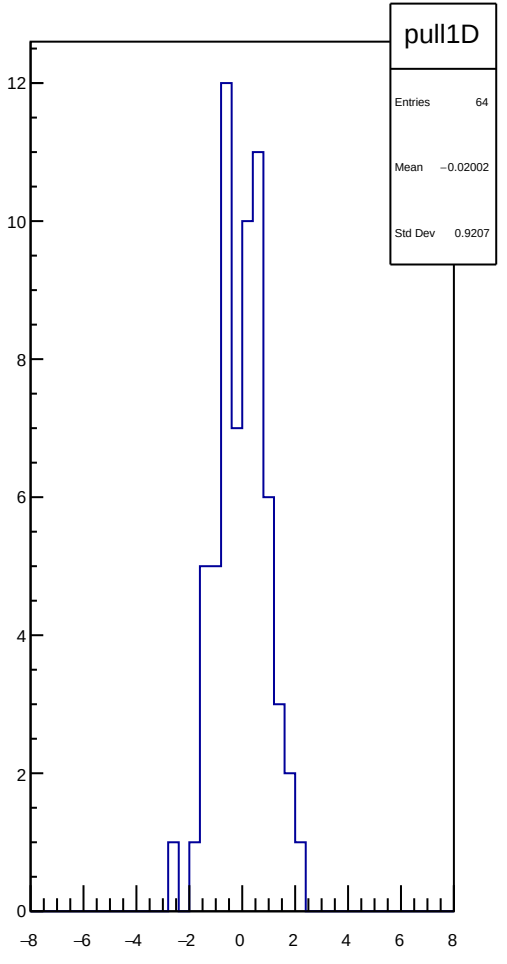

diff_targ_thetaY_rms vs run
χ² / ndf 9023 / 63
p0 373.5 ± 0.3385
480
460
440
420
400
380
360
340
320
300
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

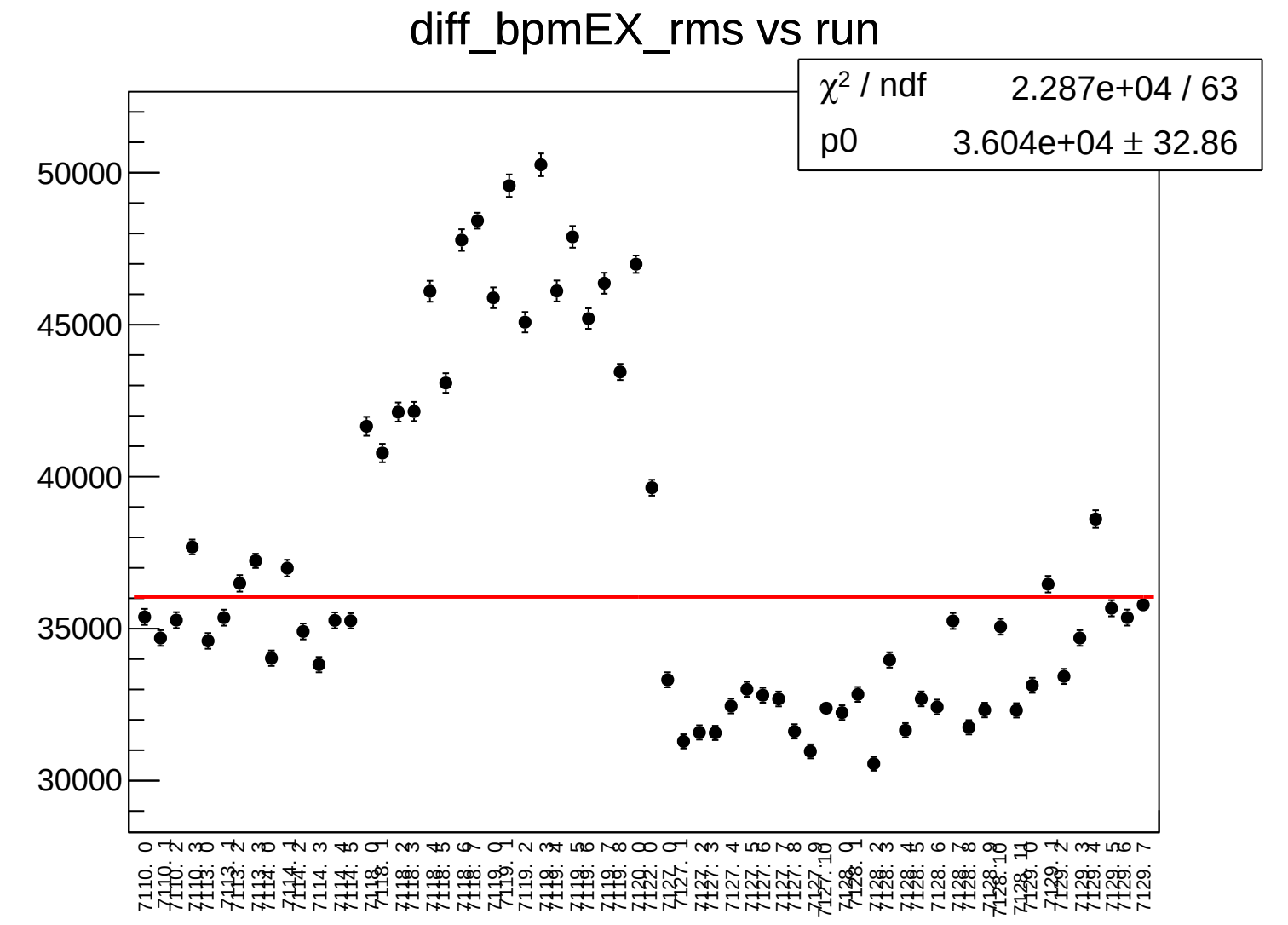

diff_bpmE_mean vs run
χ² / ndf 54.28 / 63
p0 −15.4 ± 46.46
pull
Entries 64
Mean 114.9
Std Dev 0

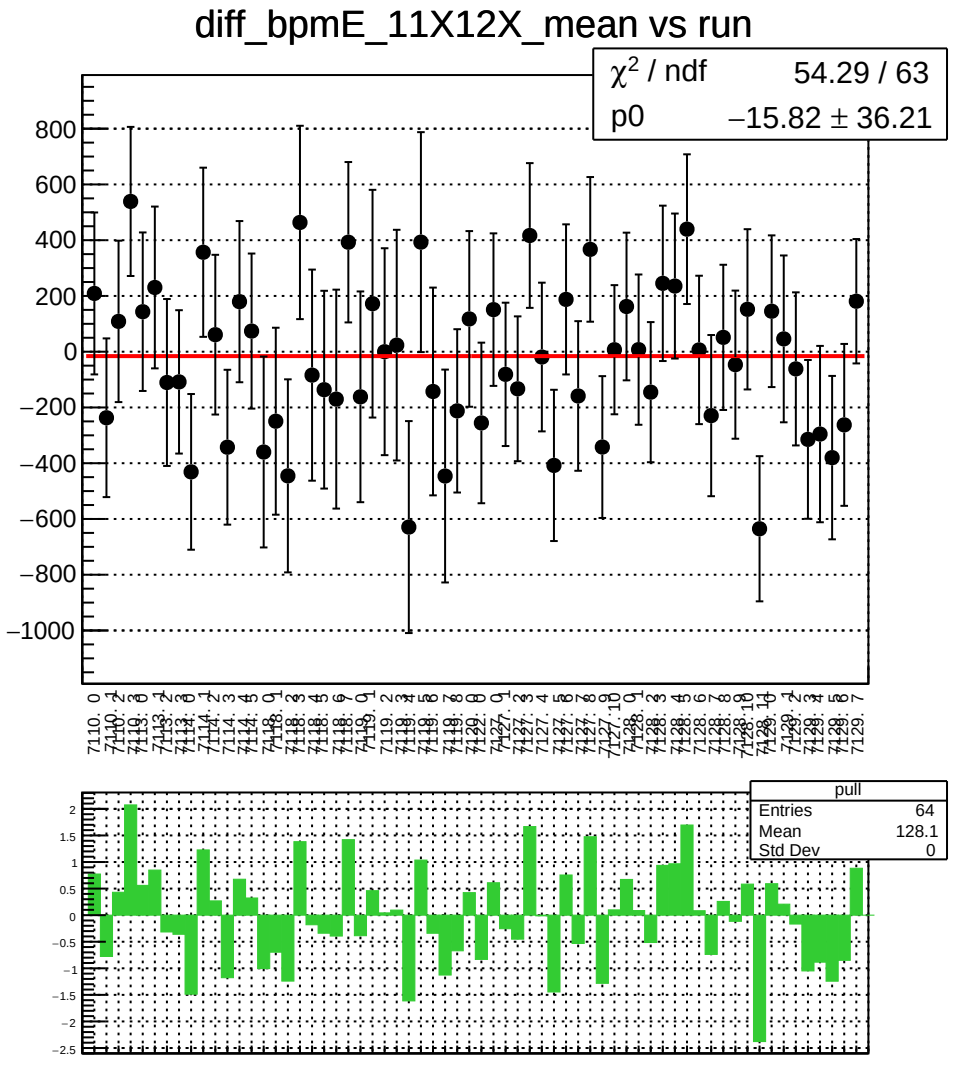

pull1D
Entries 64
Mean −0.02002
Std Dev 0.9207

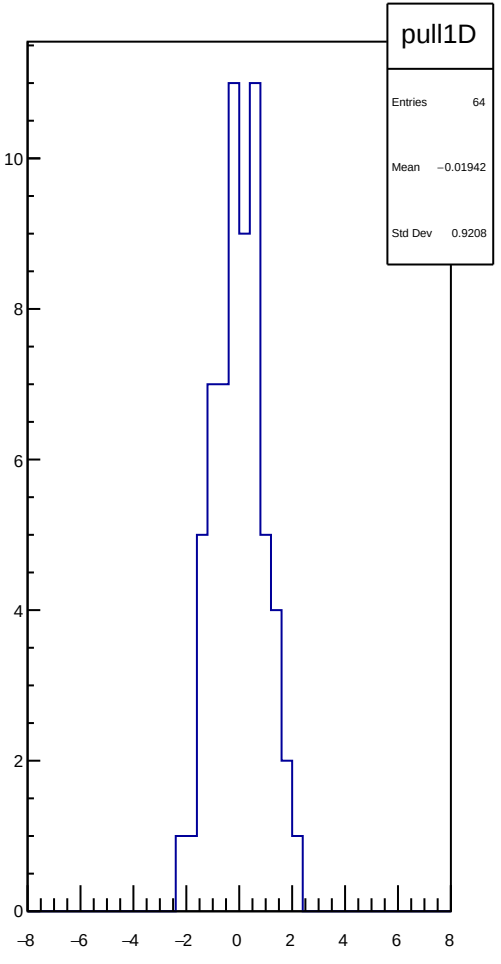

diff_bpmE_rms vs run
χ^2 / ndf 2.287e+04 / 63
p0 3.604e+04 ± 32.86
50000
45000
40000
35000
30000

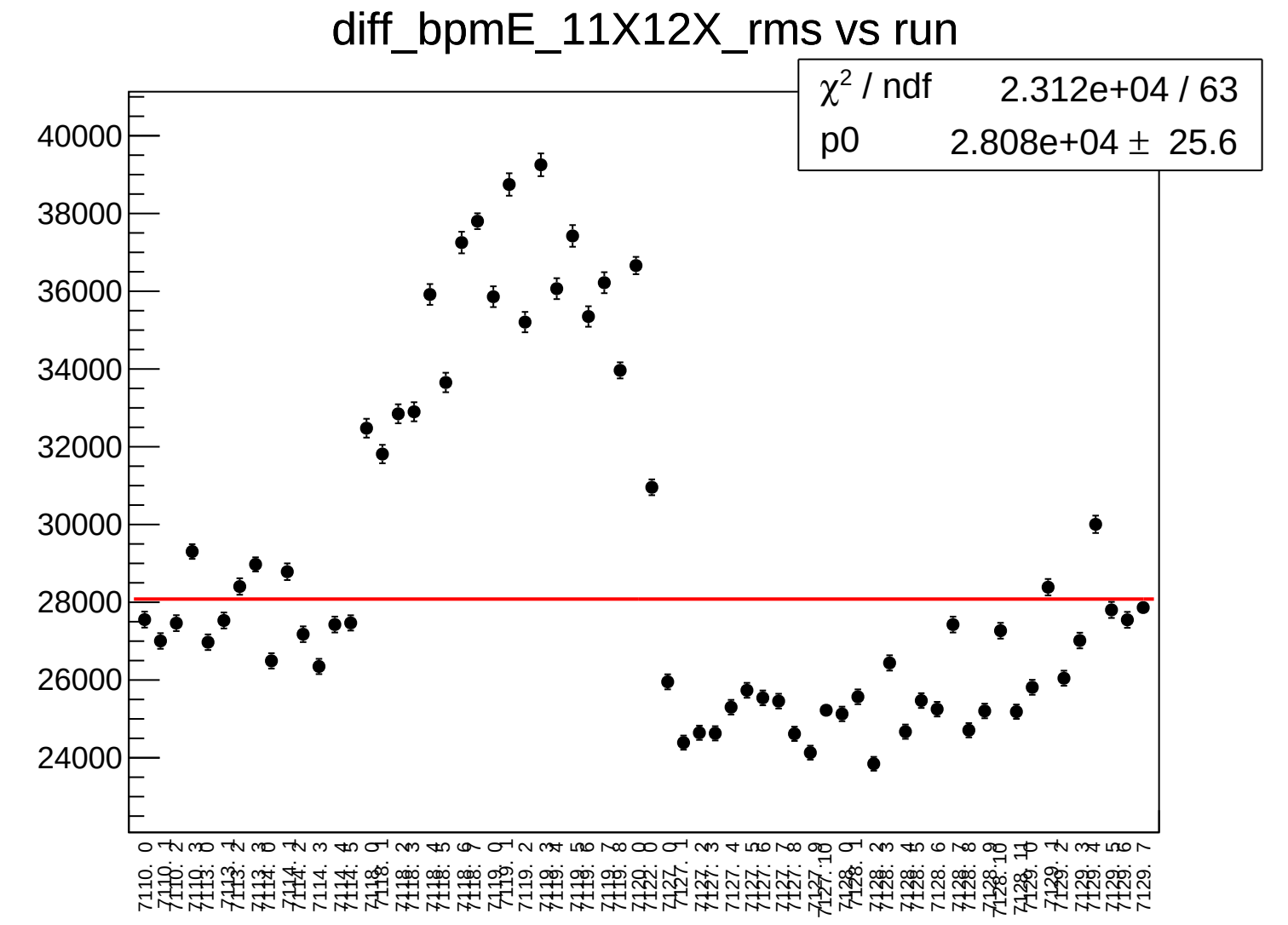

diff_bpmEX_mean vs run
χ² / ndf 54.28 / 63
p0 −15.4 ± 46.46
1000
500
0
−500
−1000
−1500
pull
Entries 64
Mean 114.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

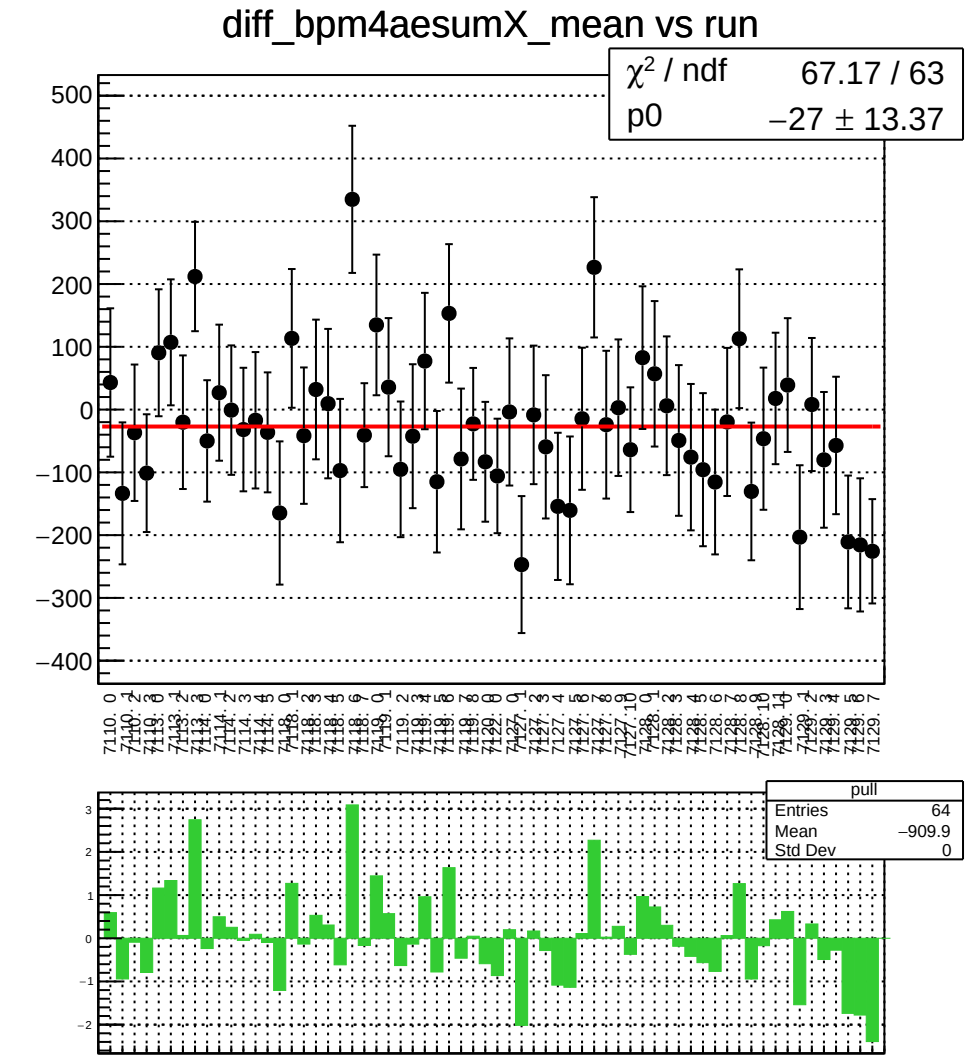

pull1D
Entries 64
Mean −0.02002
Std Dev 0.9207
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

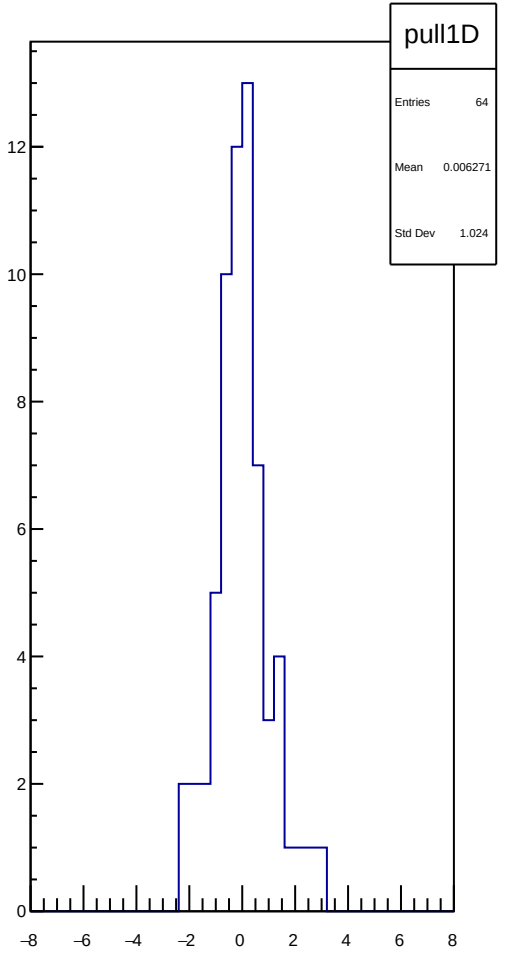

diff_bpmEX_rms vs run
χ² / ndf 2.287e+04 / 63
p0 3.604e+04 ± 32.86
50000
45000
40000
35000
30000

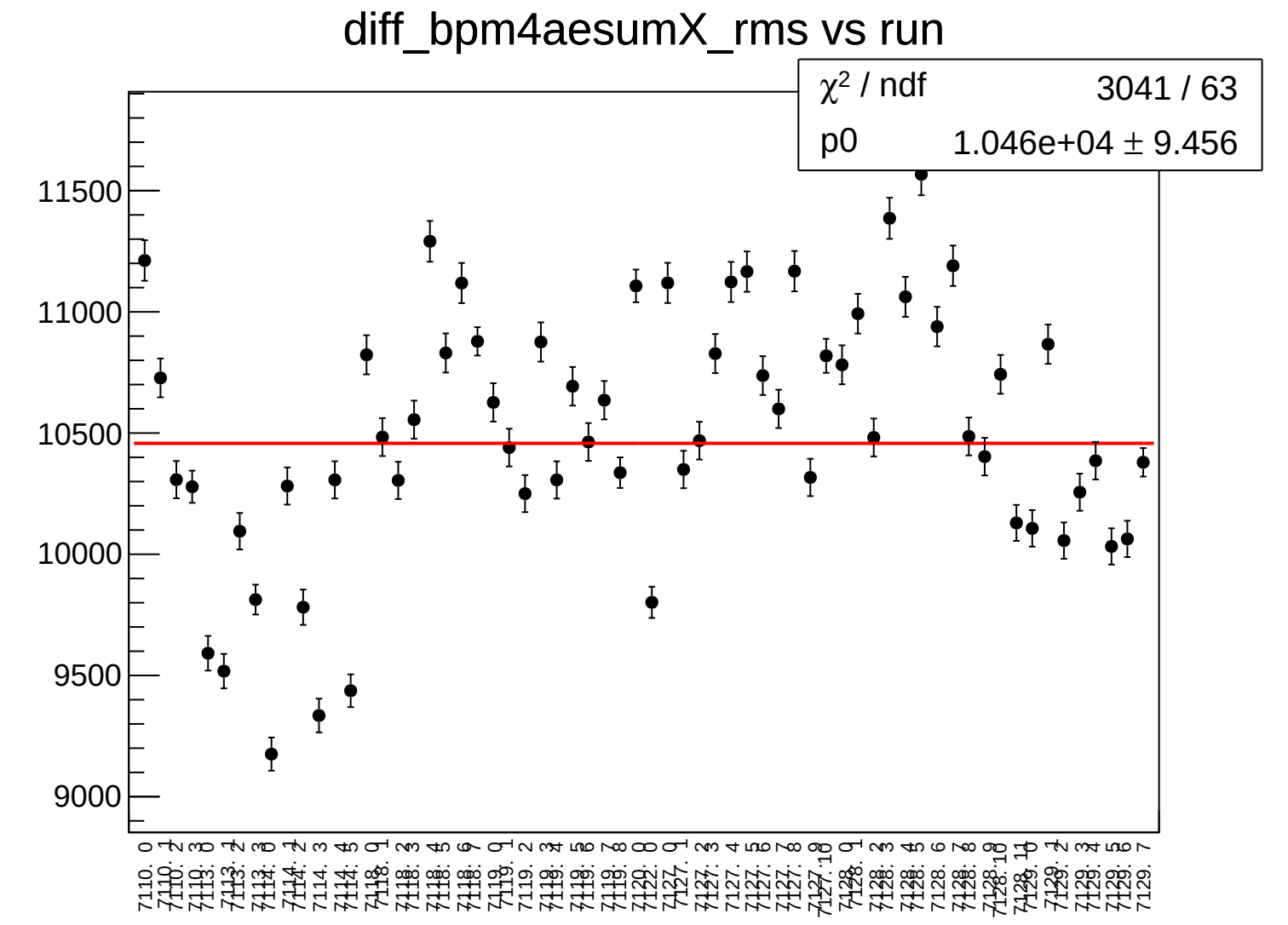

diff_bpmE_11X12X_mean vs run
χ^2 / ndf 54.29 / 63
p0 −15.82 ± 36.21
pull
Entries 64
Mean 128.1
Std Dev 0

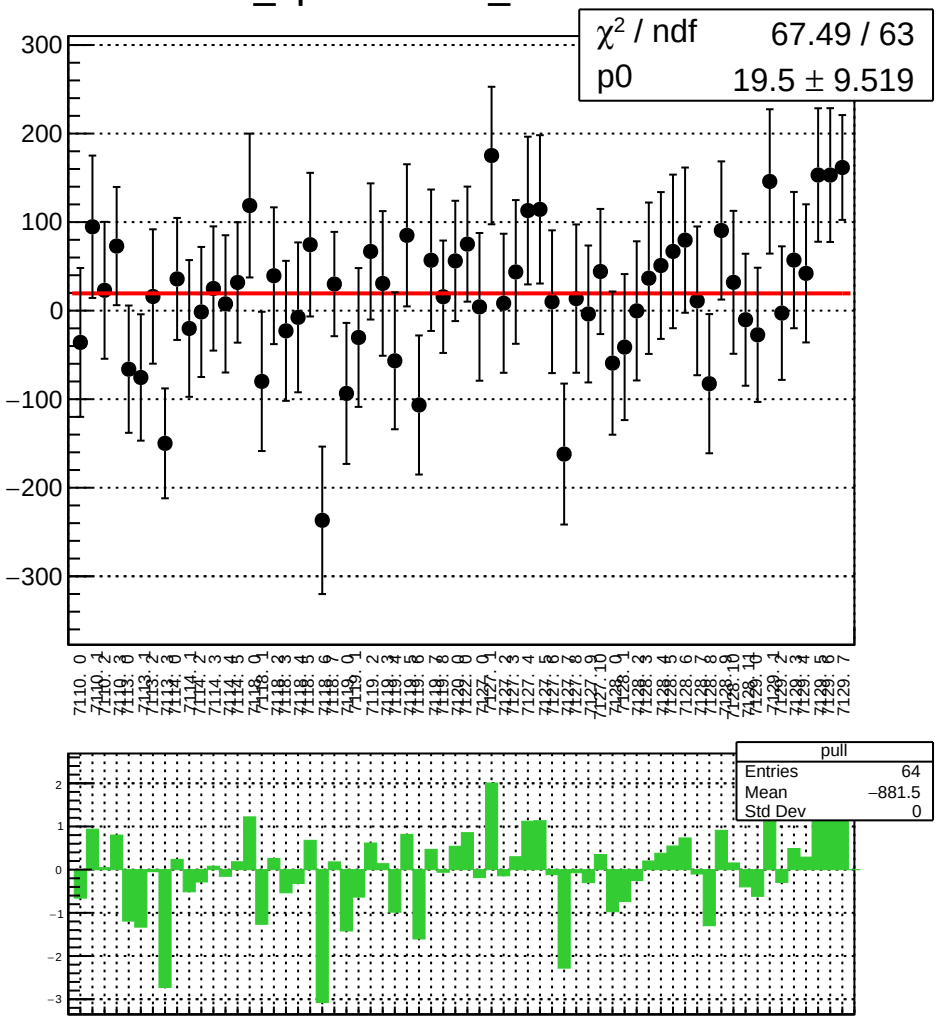

pull1D
Entries 64
Mean −0.01942
Std Dev 0.9208

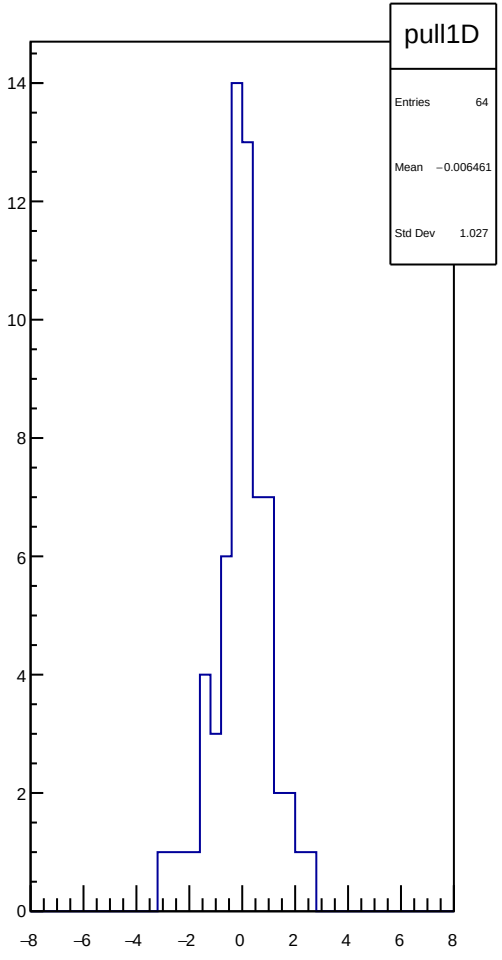

diff_bpmE_11X12X_rms vs run
χ^2 / ndf 2.312e+04 / 63
p0 2.808e+04 ± 25.6
40000
38000
36000
34000
32000
30000
28000
26000
24000

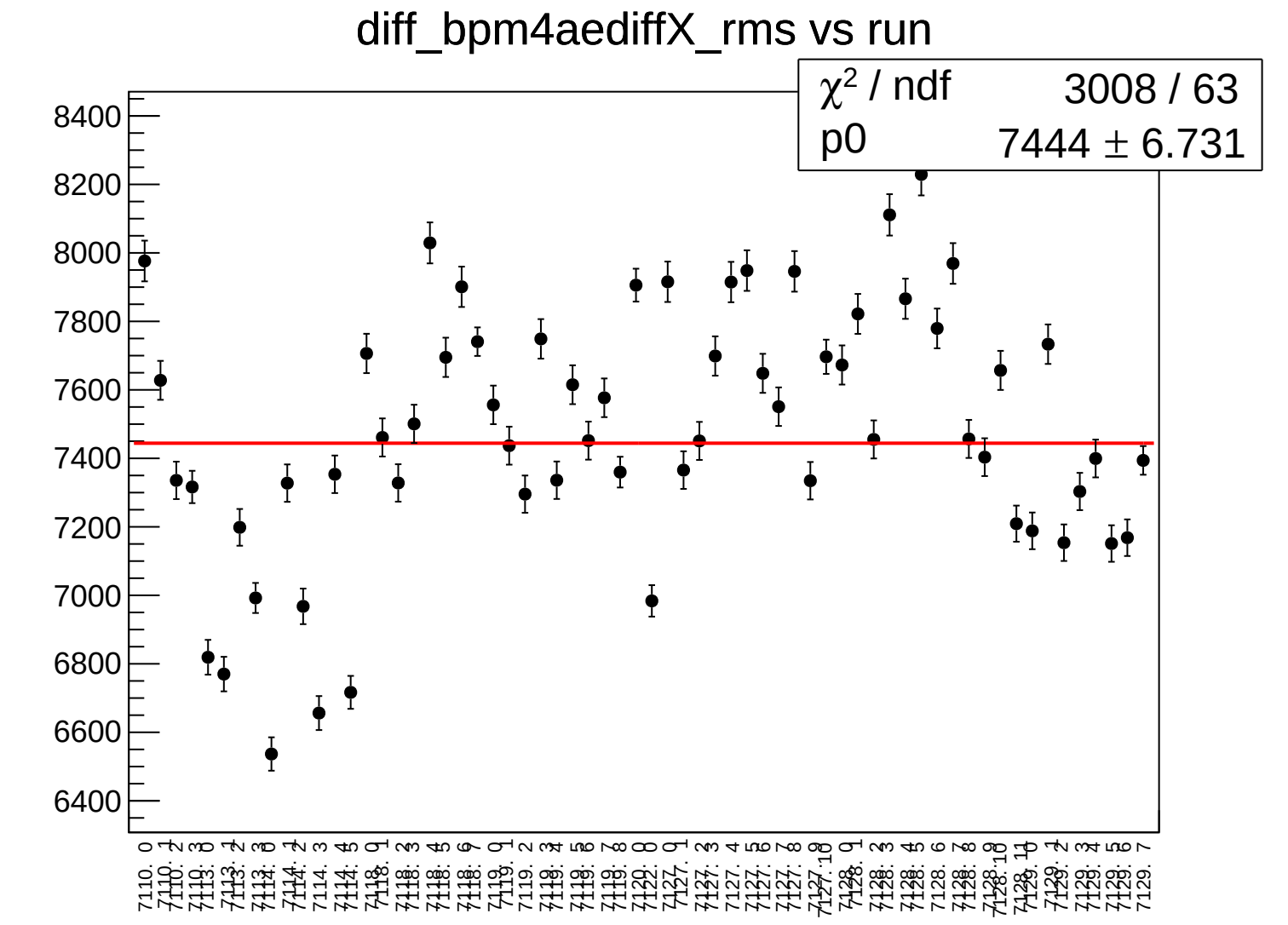

diff_bpm4aesumX_mean vs run
χ² / ndf 67.17 / 63
p0 −27 ± 13.37
pull
Entries 64
Mean −909.9
Std Dev 0

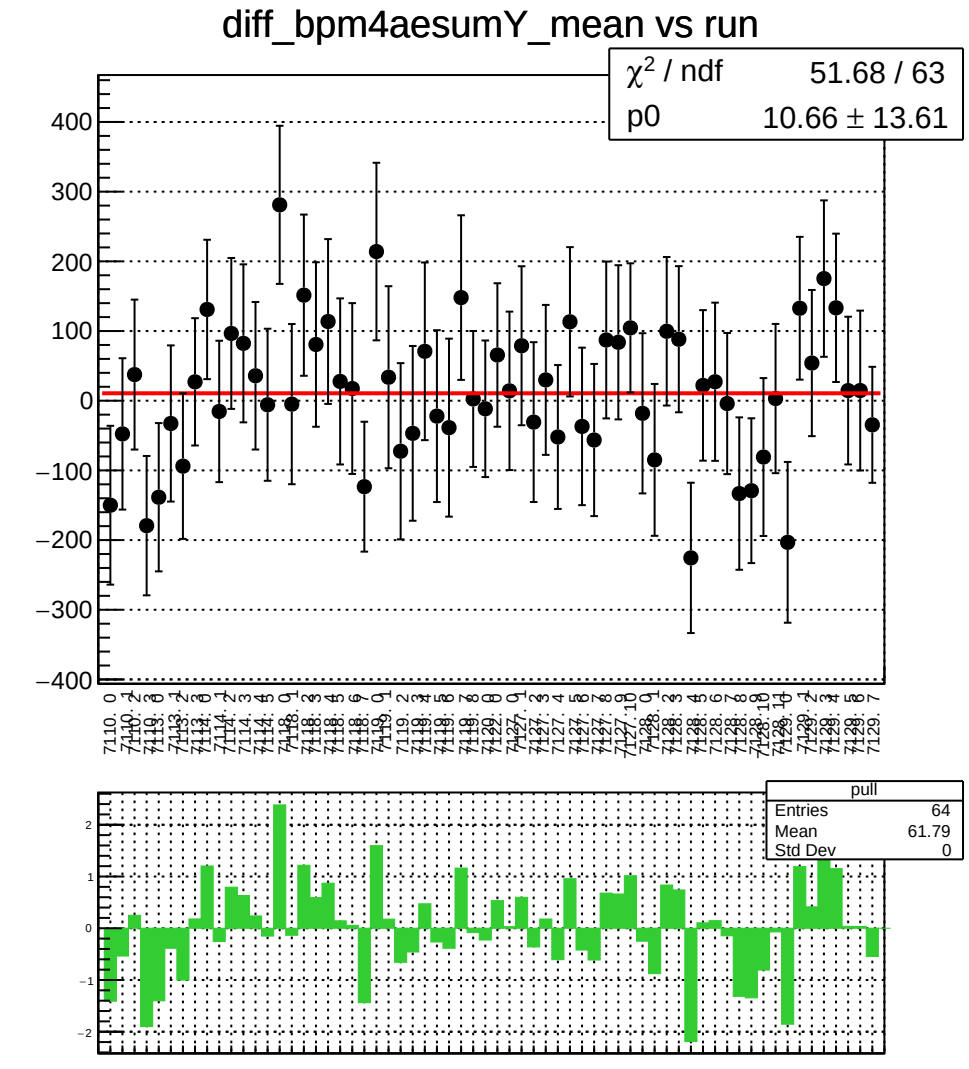

pull1D
Entries 64
Mean 0.006271
Std Dev 1.024

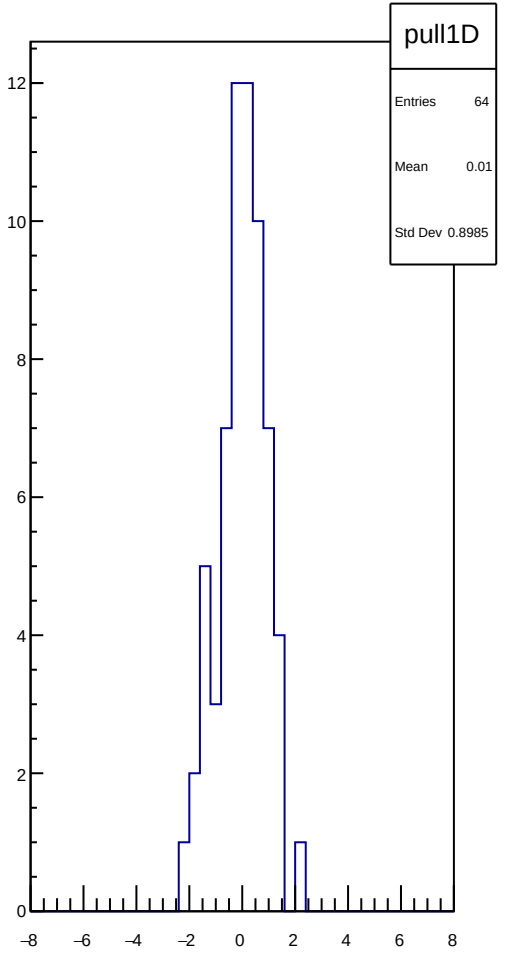

diff_bpm4aesumX_rms vs run
χ² / ndf 3041 / 63
p0 1.046e+04 ± 9.456
11500
11000
10500
10000
9500
9000

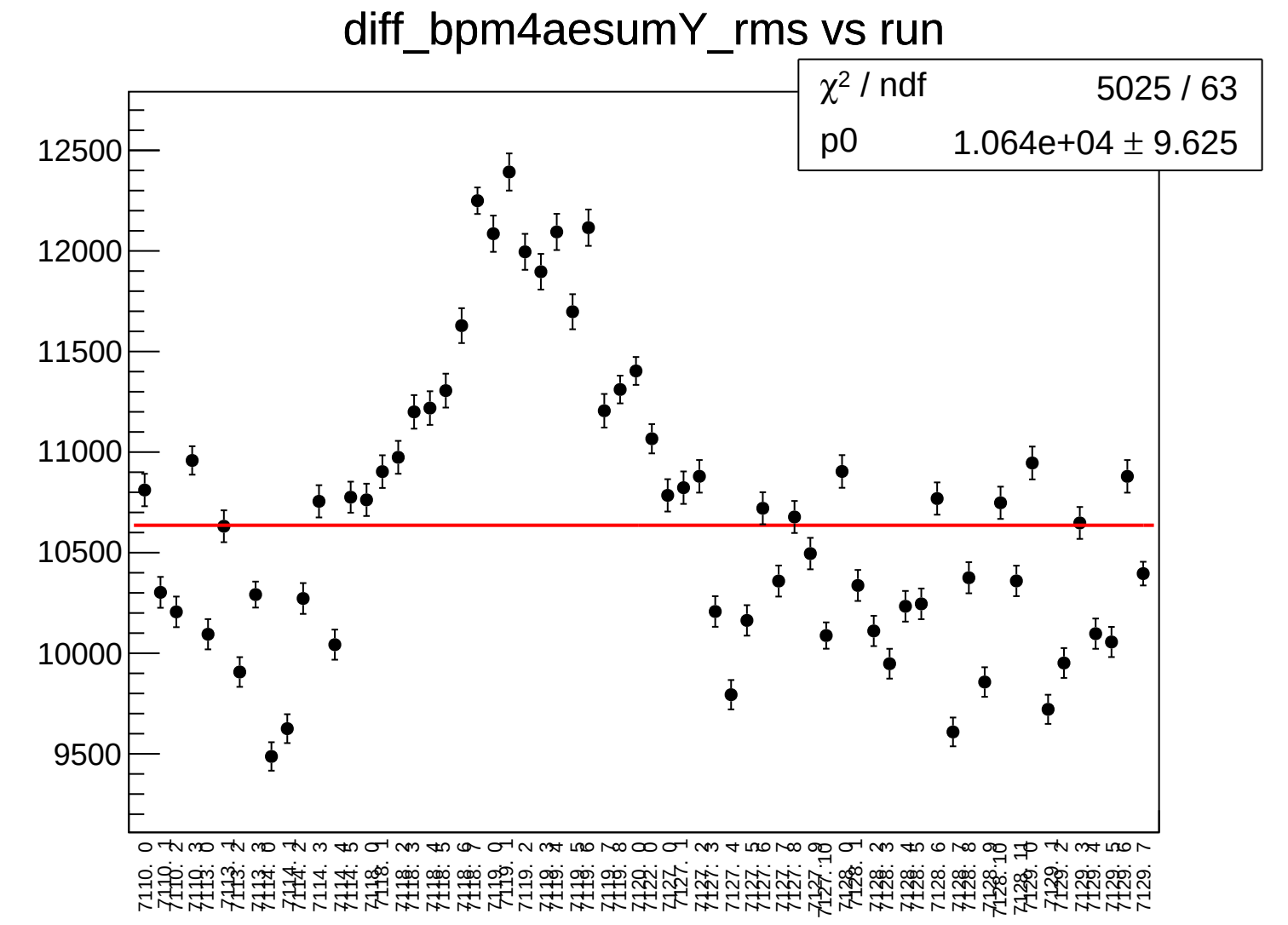

diff_bpm4aediffX_mean vs run
χ² / ndf 67.49 / 63
p0 19.5 ± 9.519
pull
Entries 64
Mean −881.5
Std Dev 0

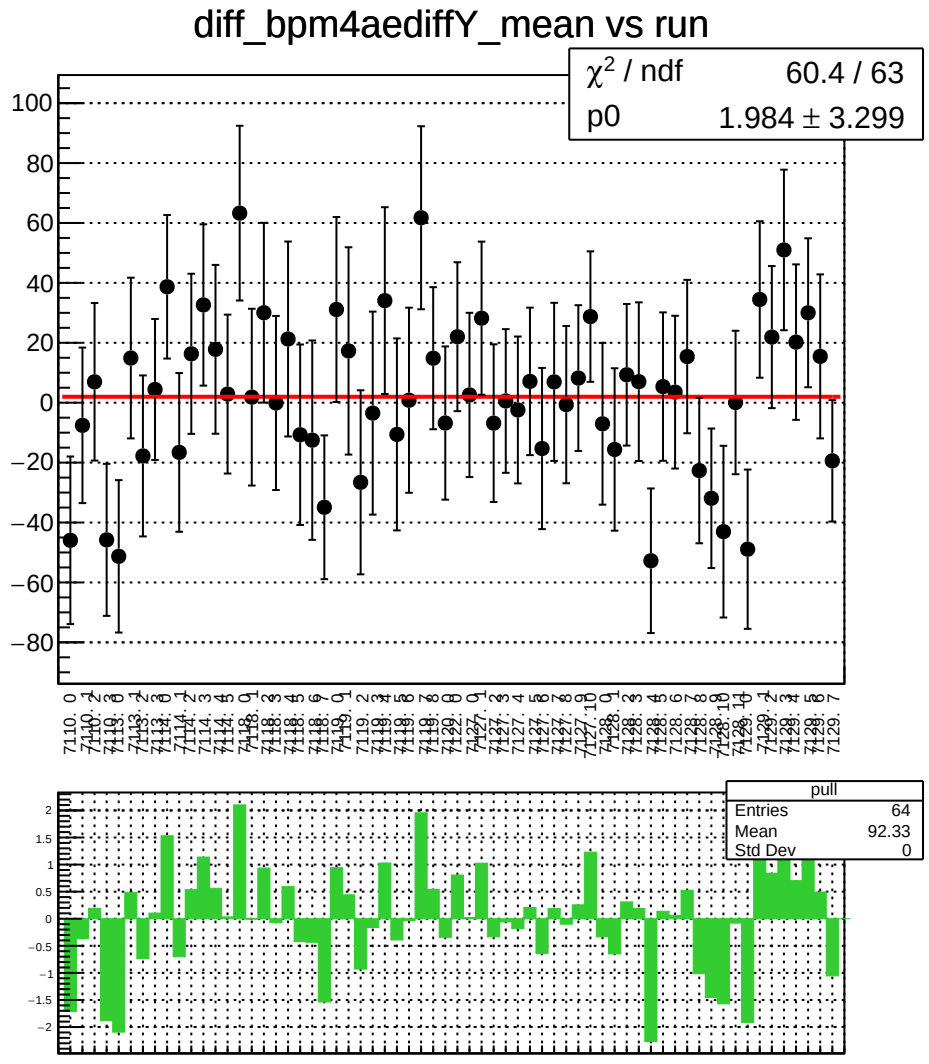

pull1D
Entries 64
Mean −0.006461
Std Dev 1.027

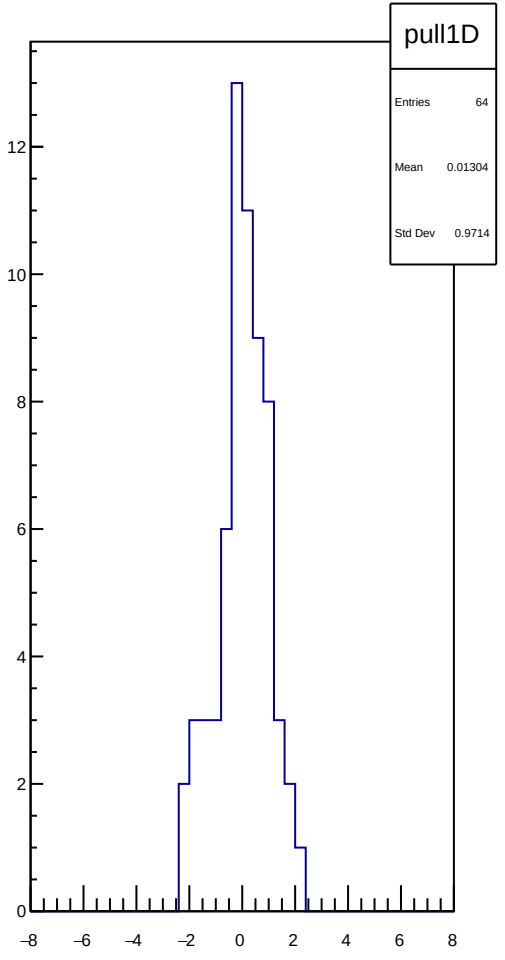

diff_bpm4aediffX_rms vs run
χ² / ndf 3008 / 63
p0 7444 ± 6.731
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

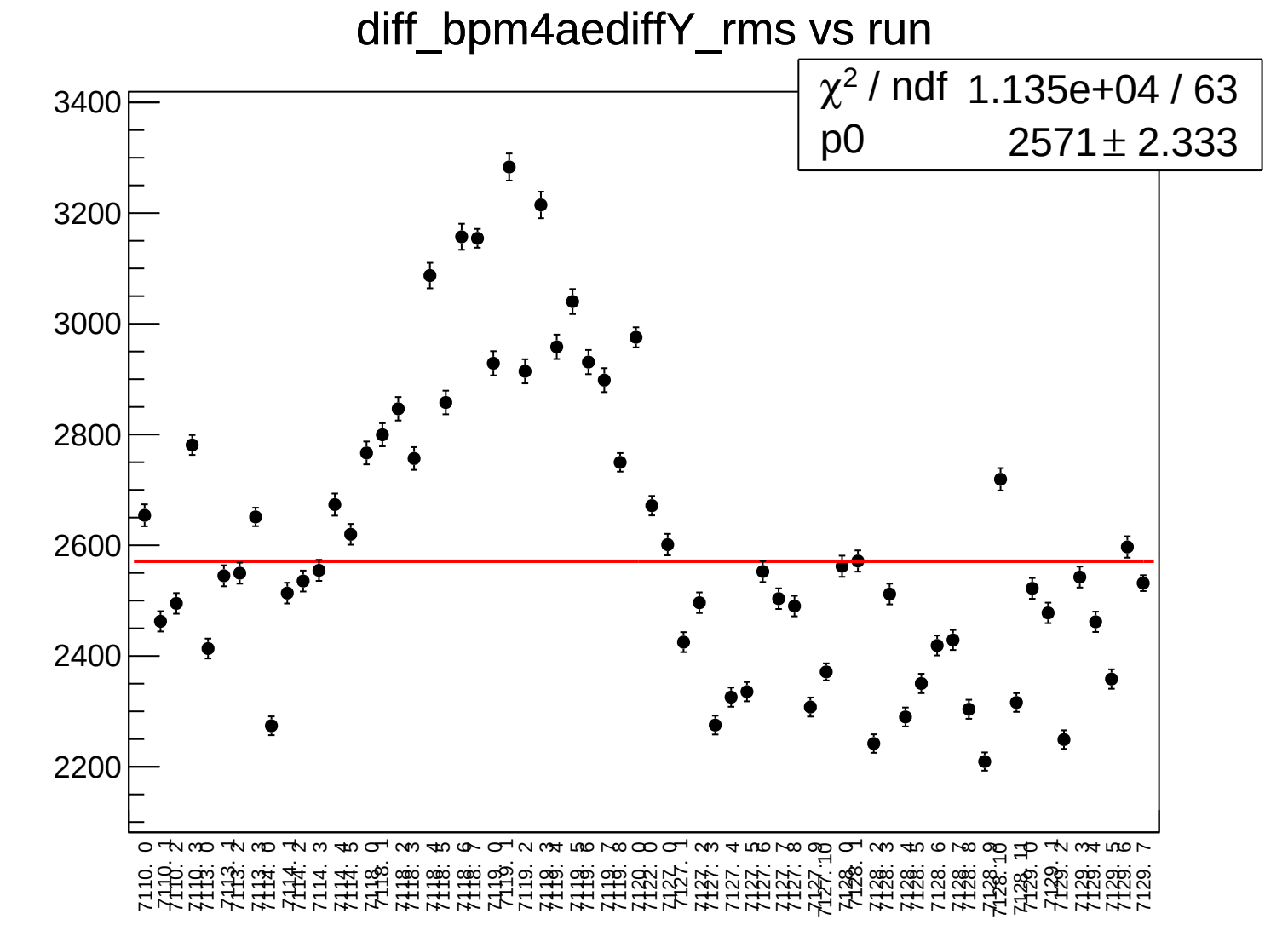

diff_bpm4aesumY_mean vs run
χ² / ndf 51.68 / 63
p0 10.66 ± 13.61
pull
Entries 64
Mean 61.79
Std Dev 0

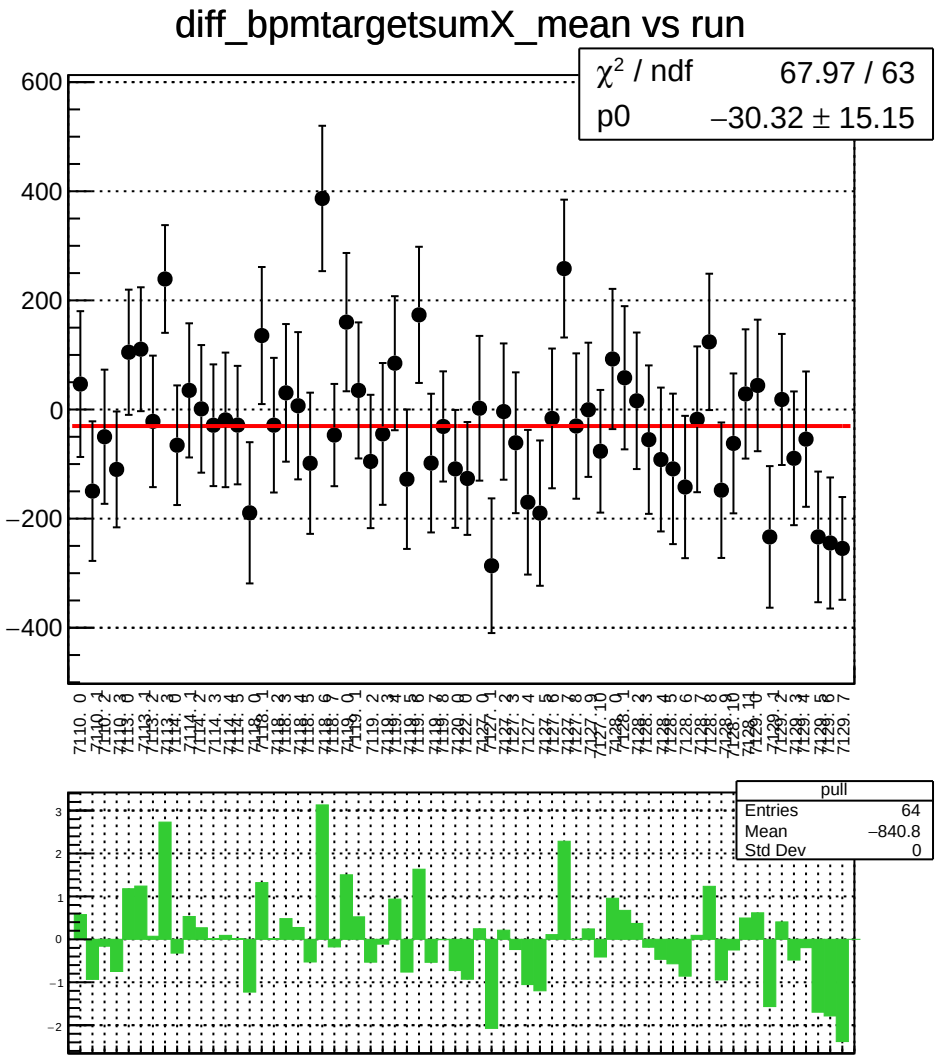

pull1D
Entries 64
Mean 0.01
Std Dev 0.8985

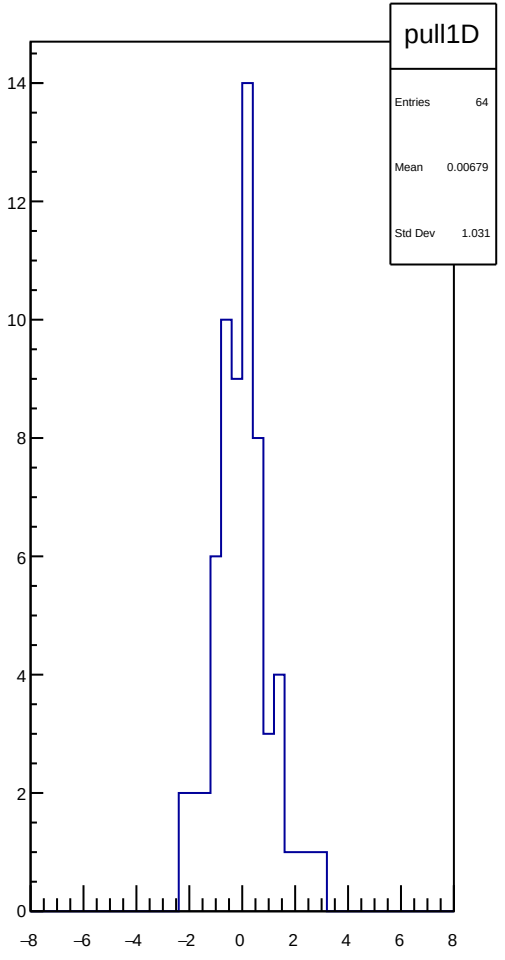

diff_bpm4aesumY_rms vs run
χ² / ndf 5025 / 63
p0 1.064e+04 ± 9.625
12500
12000
11500
11000
10500
10000
9500
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

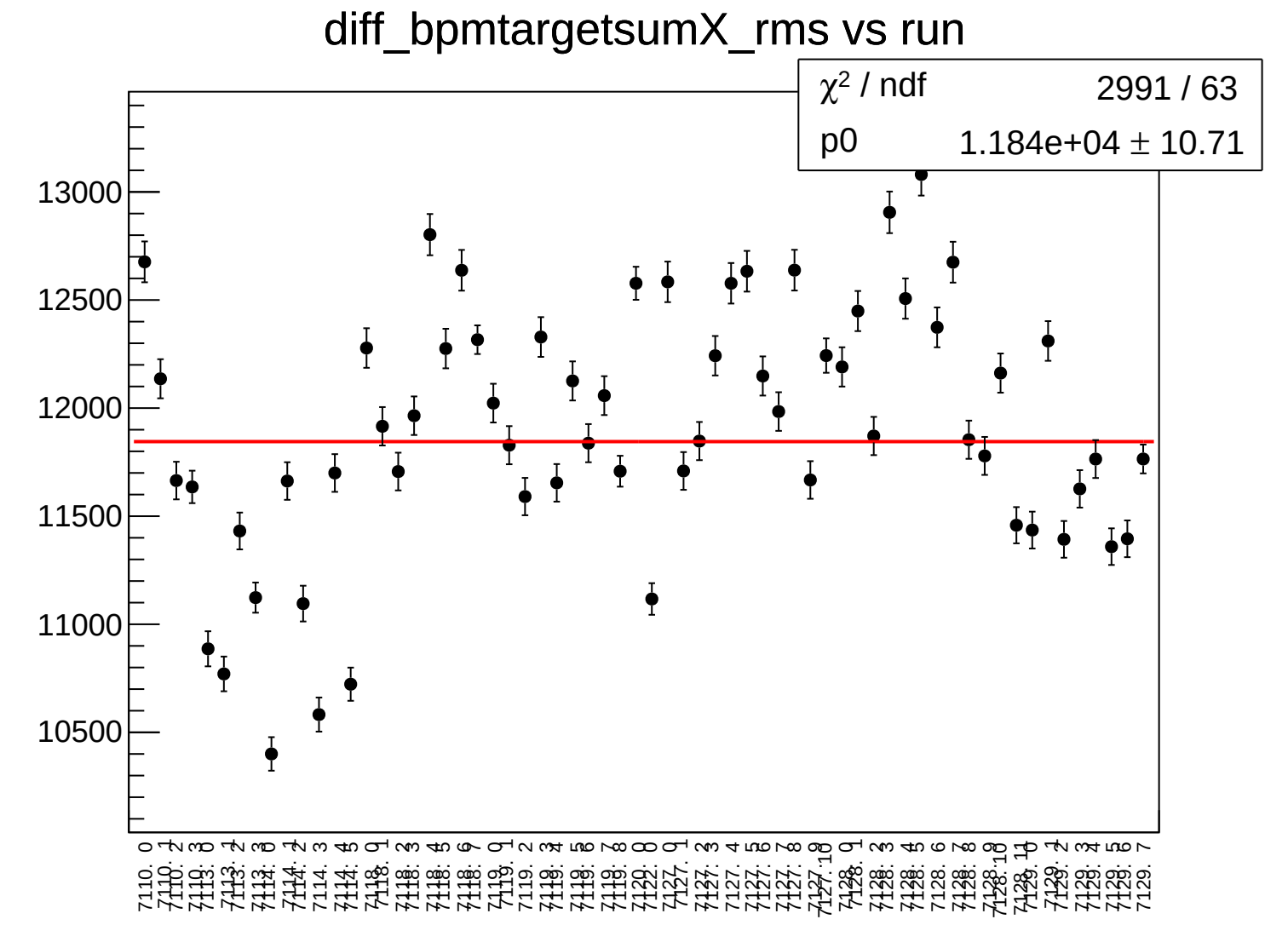

diff_bpm4aediffY_mean vs run
χ^2 / ndf 60.4 / 63
p0 1.984 ± 3.299
pull
Entries 64
Mean 92.33
Std Dev 0

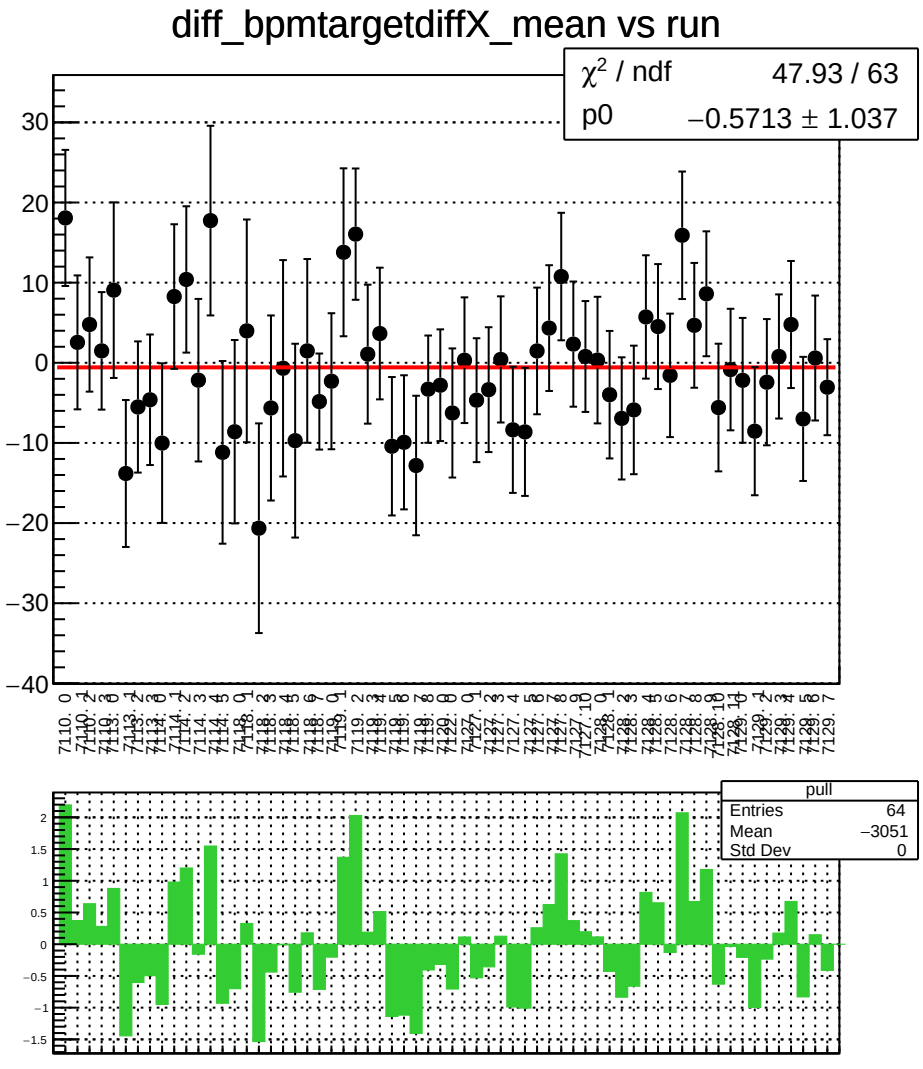

pull1D
Entries 64
Mean 0.01304
Std Dev 0.9714

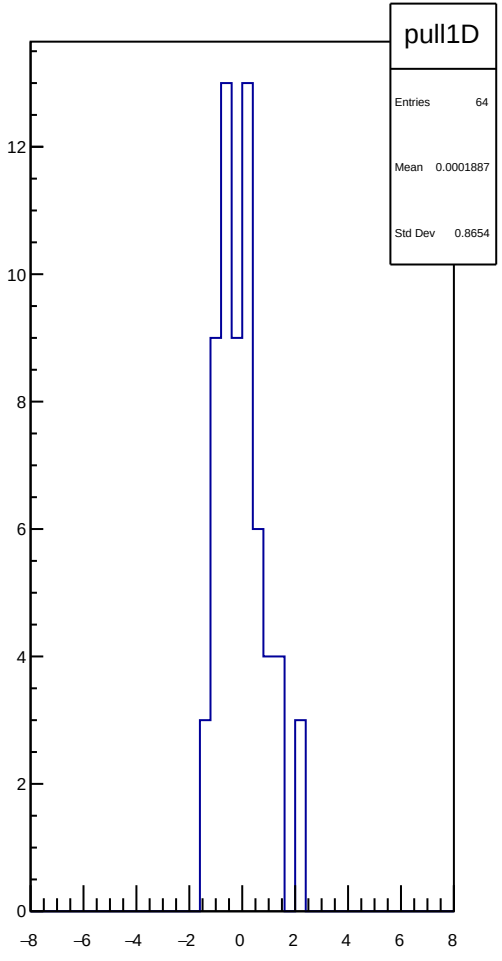

diff_bpm4aediffY_rms vs run
χ² / ndf 1.135e+04 / 63
p0 2571 ± 2.333
3400
3200
3000
2800
2600
2400
2200

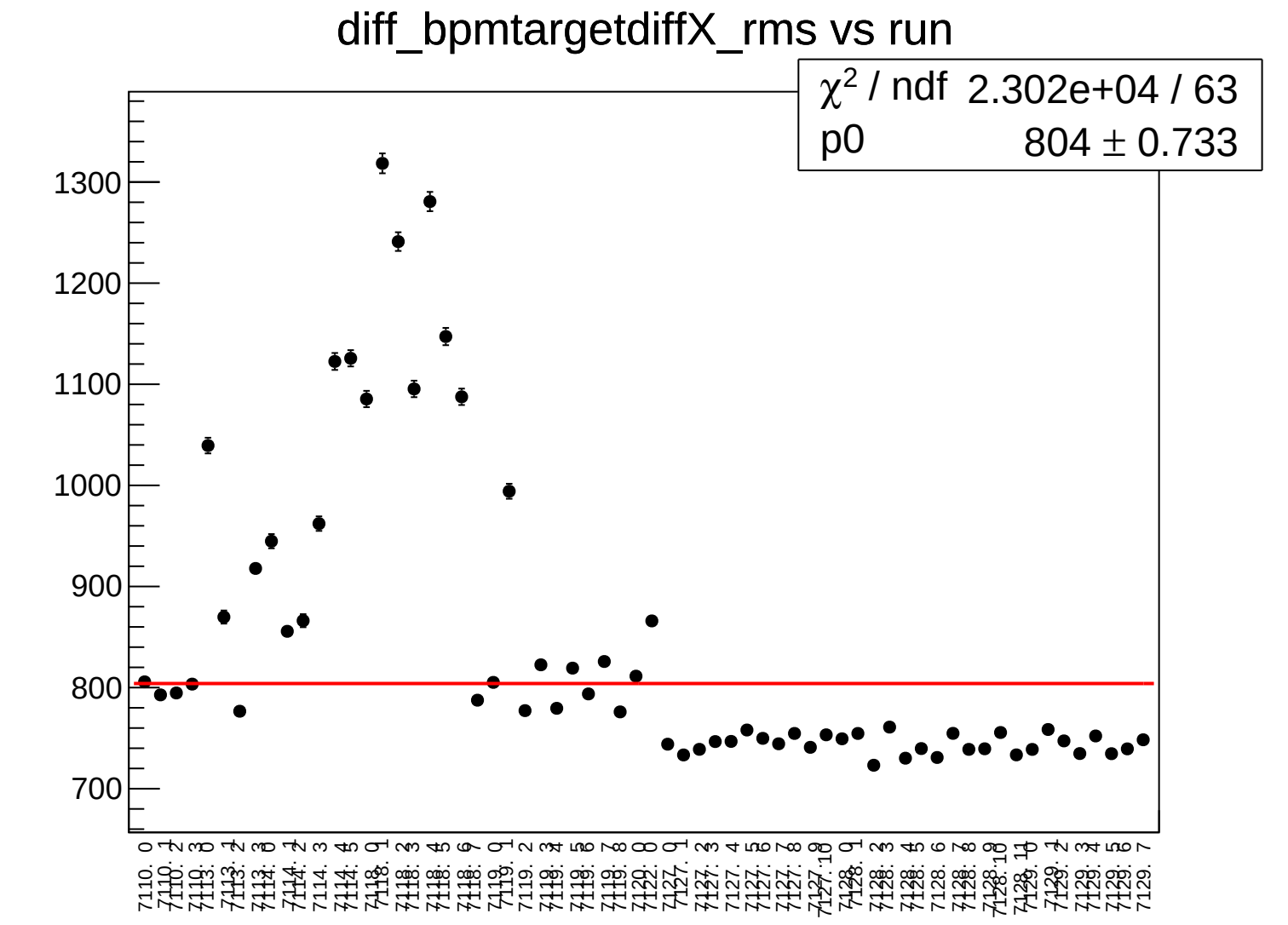

diff_bpmtargetsumX_mean vs run
χ² / ndf 67.97 / 63
p0 −30.32 ± 15.15
pull
Entries 64
Mean −840.8
Std Dev 0

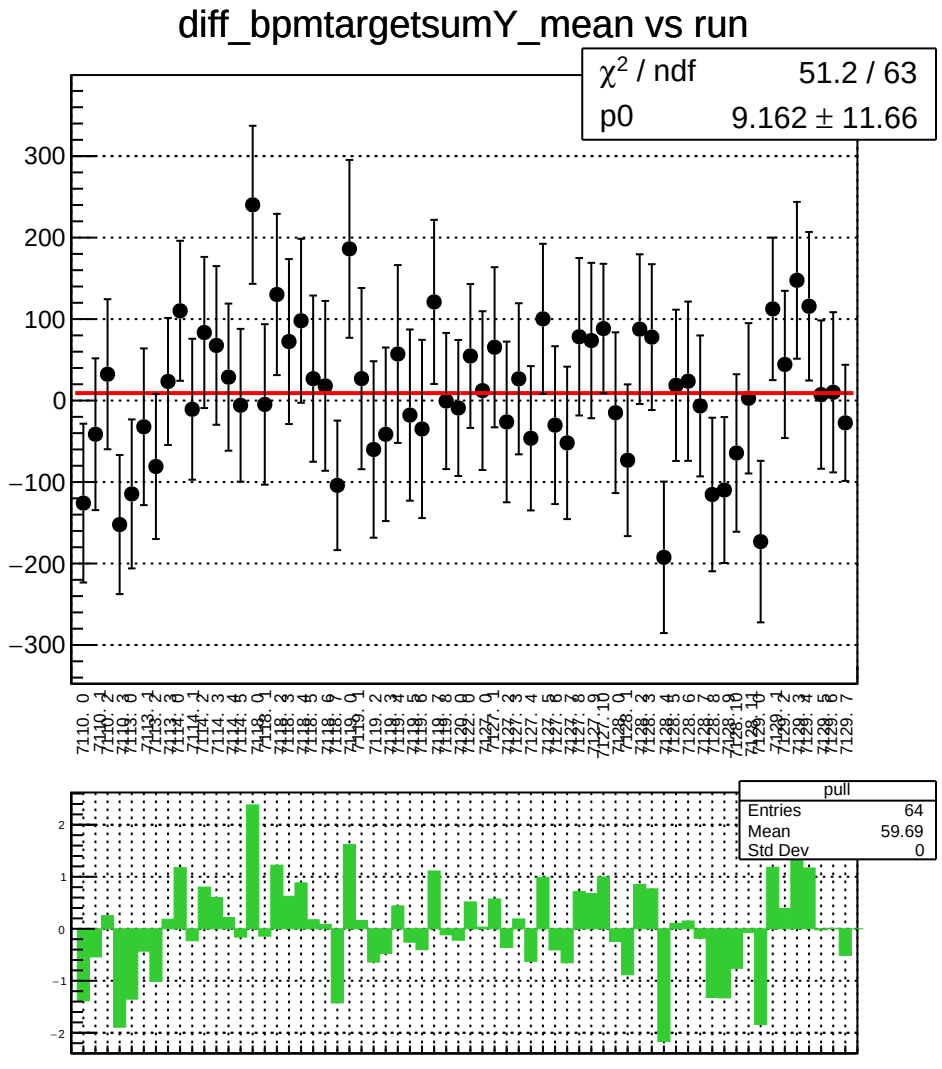

pull1D
Entries 64
Mean 0.00679
Std Dev 1.031

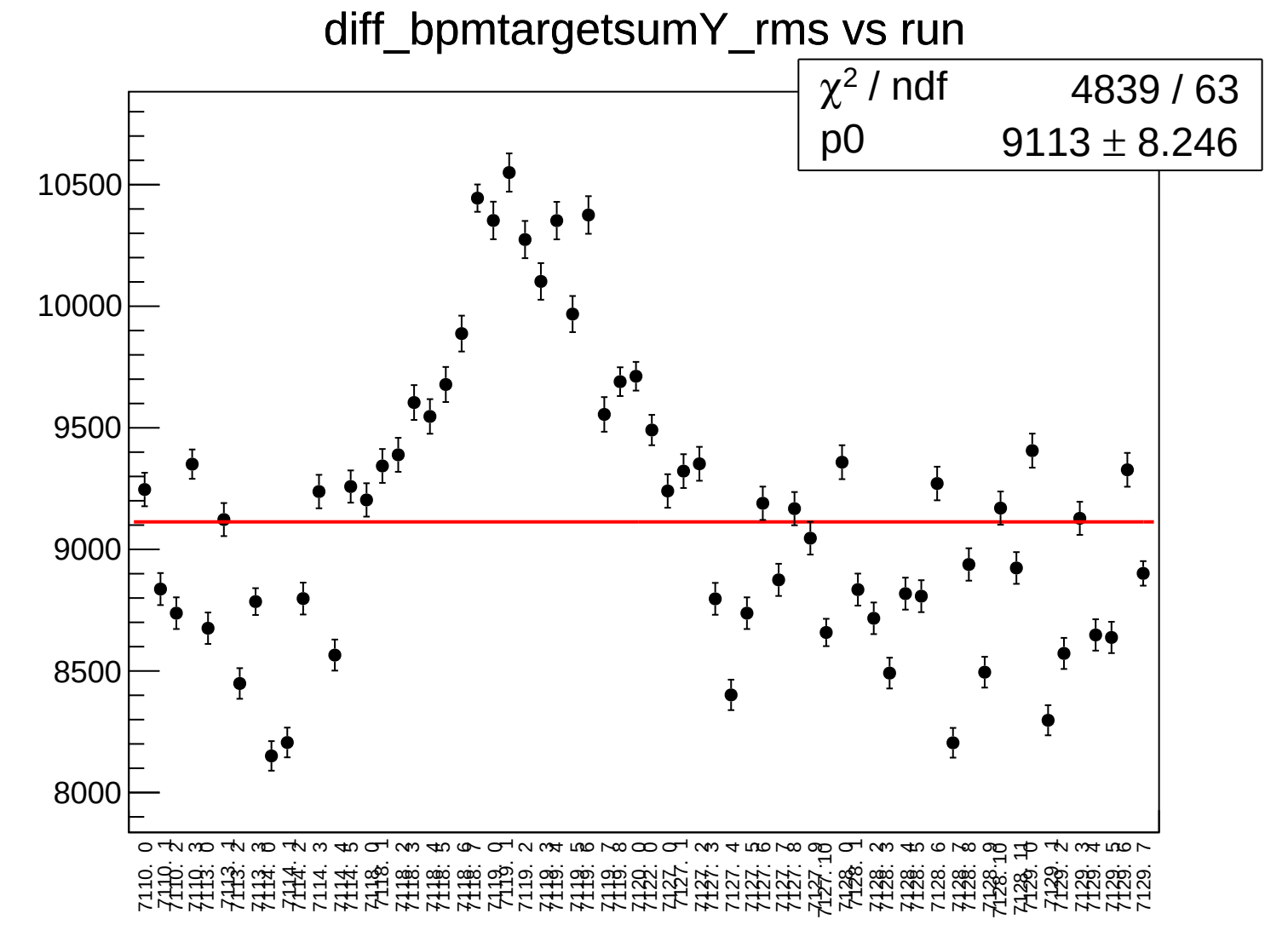

diff_bpmtargetsumX_rms vs run
χ² / ndf 2991 / 63
p0 1.184e+04 ± 10.71
13000
12500
12000
11500
11000
10500

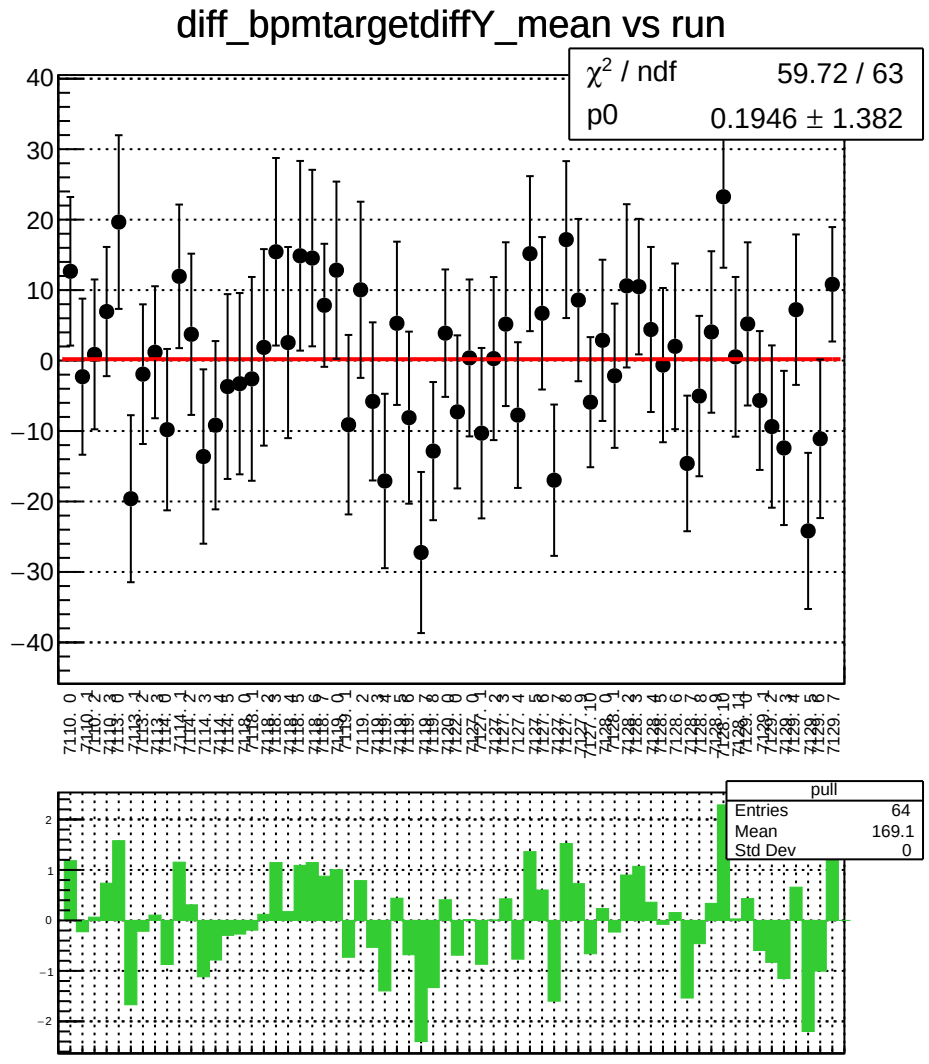

diff_bpmtargetdiffX_mean vs run
χ² / ndf 47.93 / 63
p0 −0.5713 ± 1.037
pull
Entries 64
Mean −3051
Std Dev 0

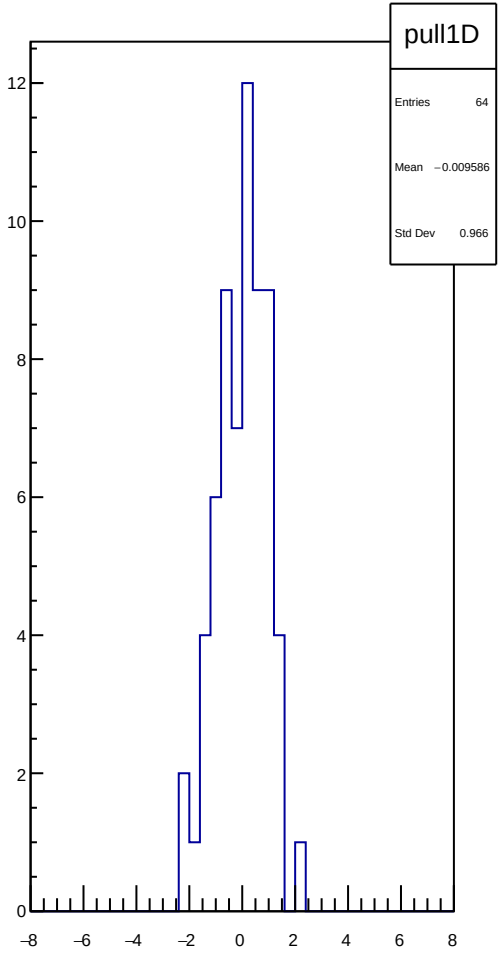

pull1D
Entries 64
Mean 0.0001887
Std Dev 0.8654

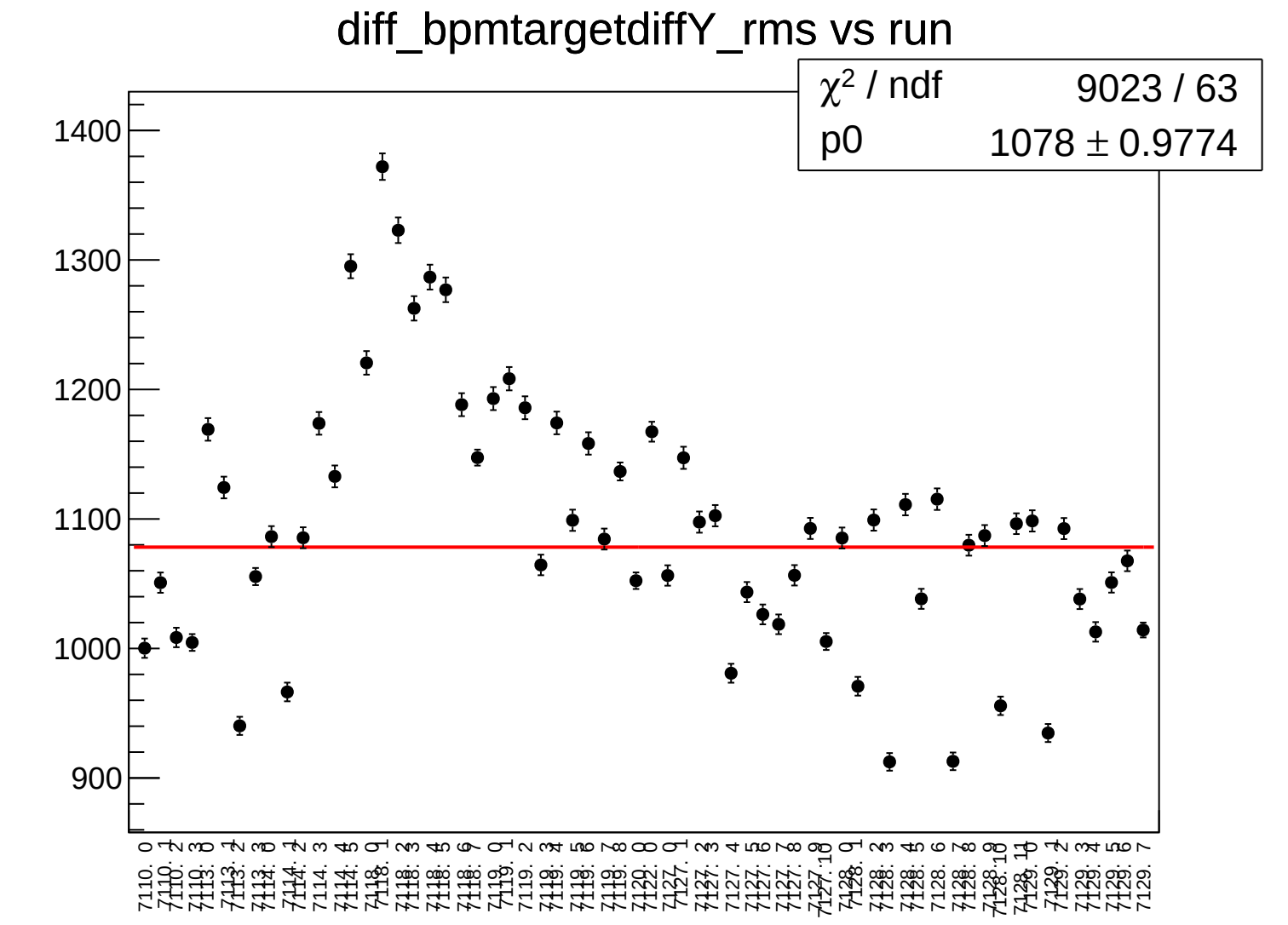

diff_bpmtargetdiffX_rms vs run
χ² / ndf 2.302e+04 / 63
p0 804 ± 0.733
1300
1200
1100
1000
900
800
700

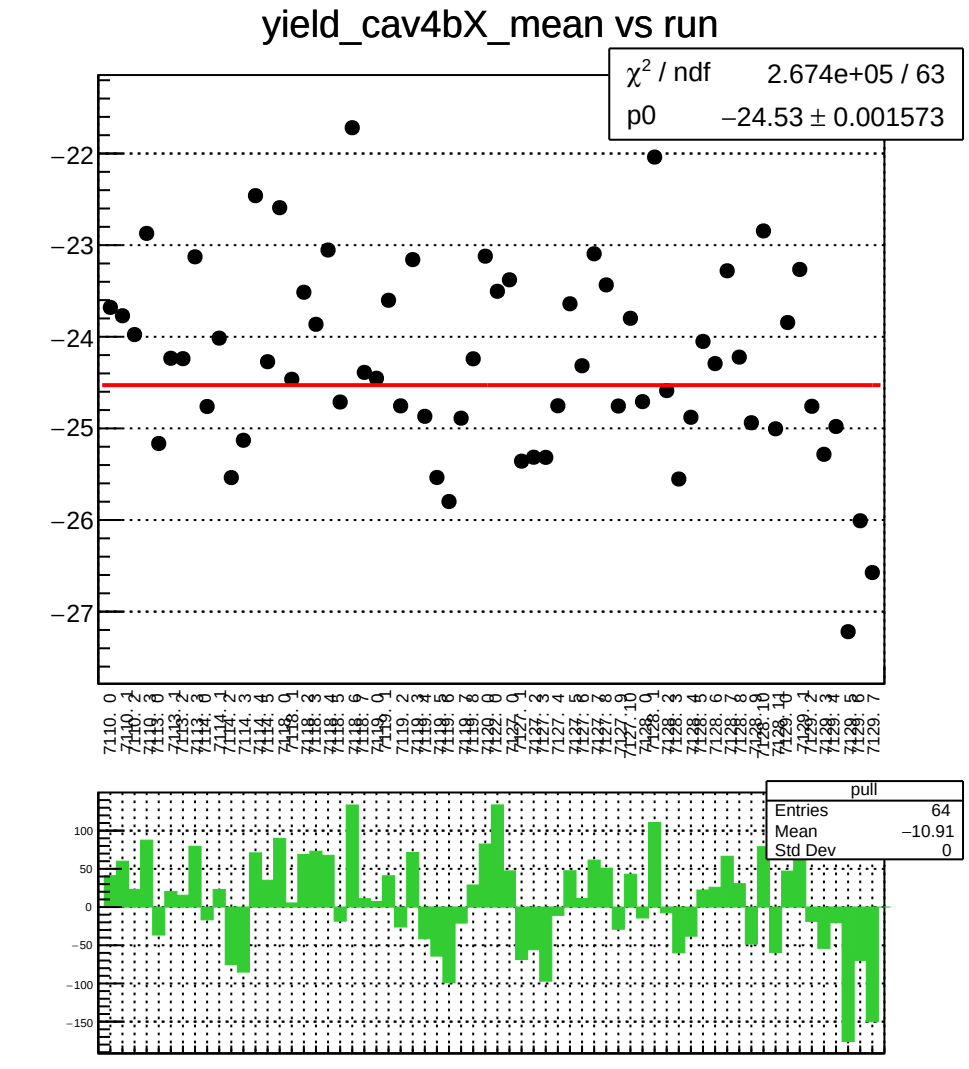

diff_bpmtargetsumY_mean vs run
χ² / ndf 51.2 / 63
p0 9.162 ± 11.66
pull
Entries 64
Mean 59.69
Std Dev 0
pull1D
Entries 64
Mean 0.009937
Std Dev 0.8944

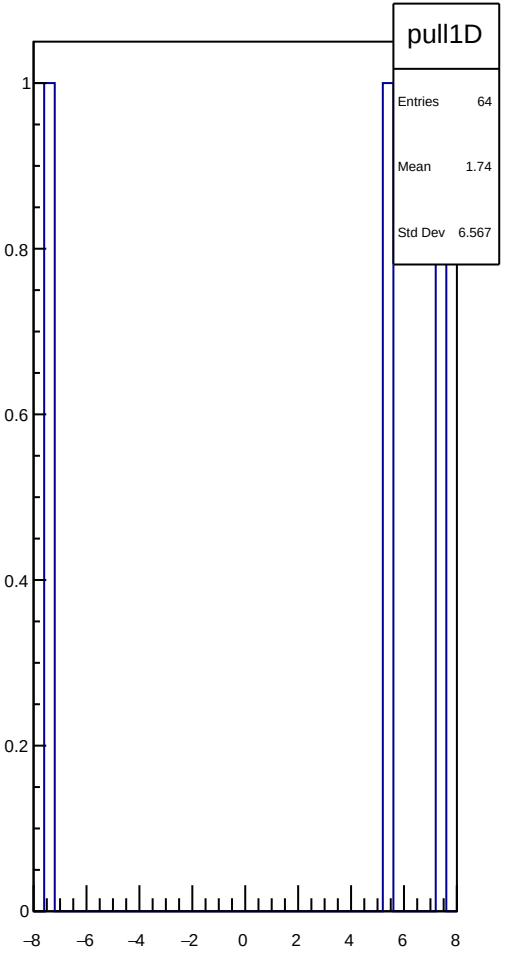

diff_bpmtargetsumY_rms vs run
χ² / ndf 4839 / 63
p0 9113 ± 8.246
10500
10000
9500
9000
8500
8000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

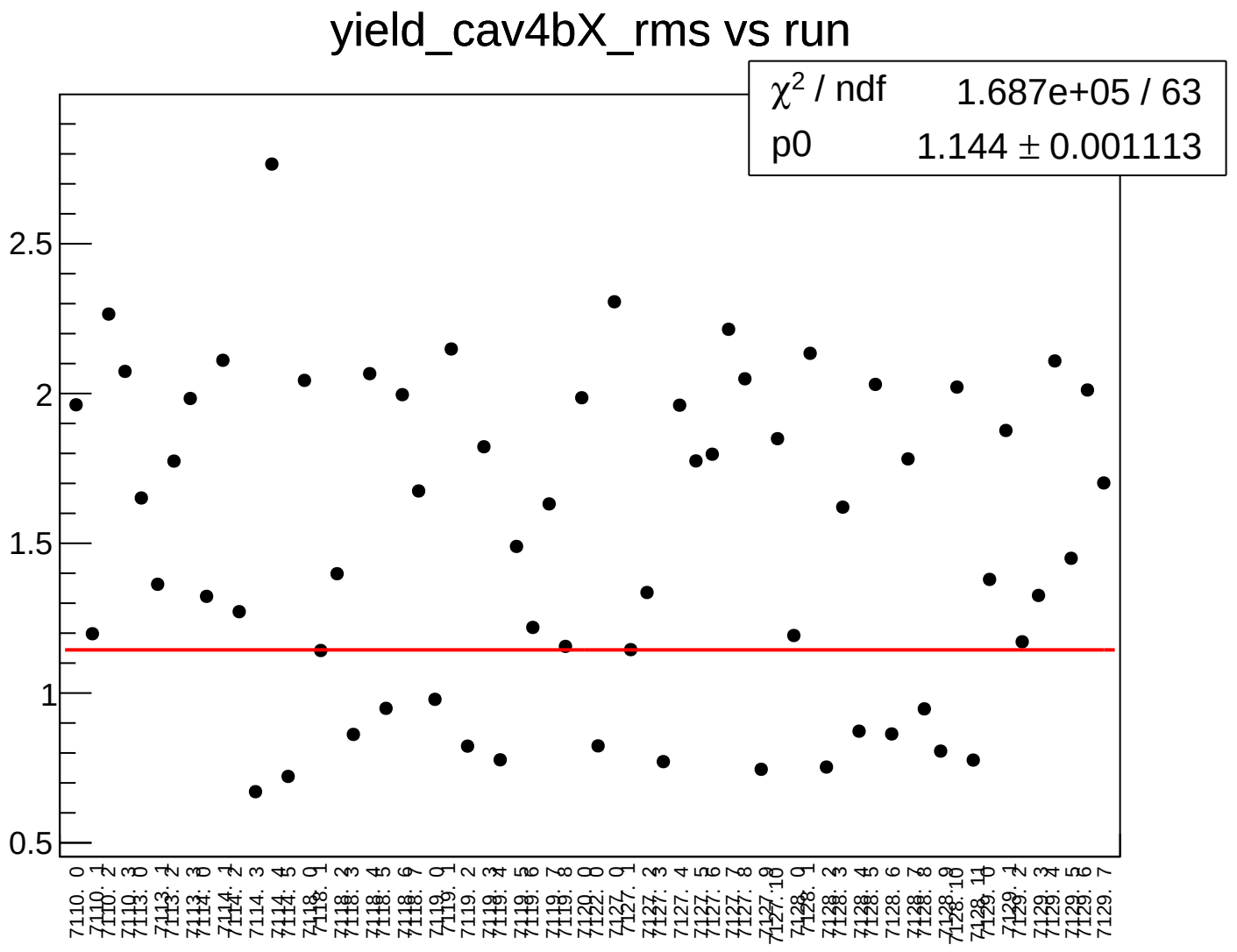

diff_bpmtargetdiffY_mean vs run
χ² / ndf 59.72 / 63
p0 0.1946 ± 1.382
pull
Entries 64
Mean 169.1
Std Dev 0

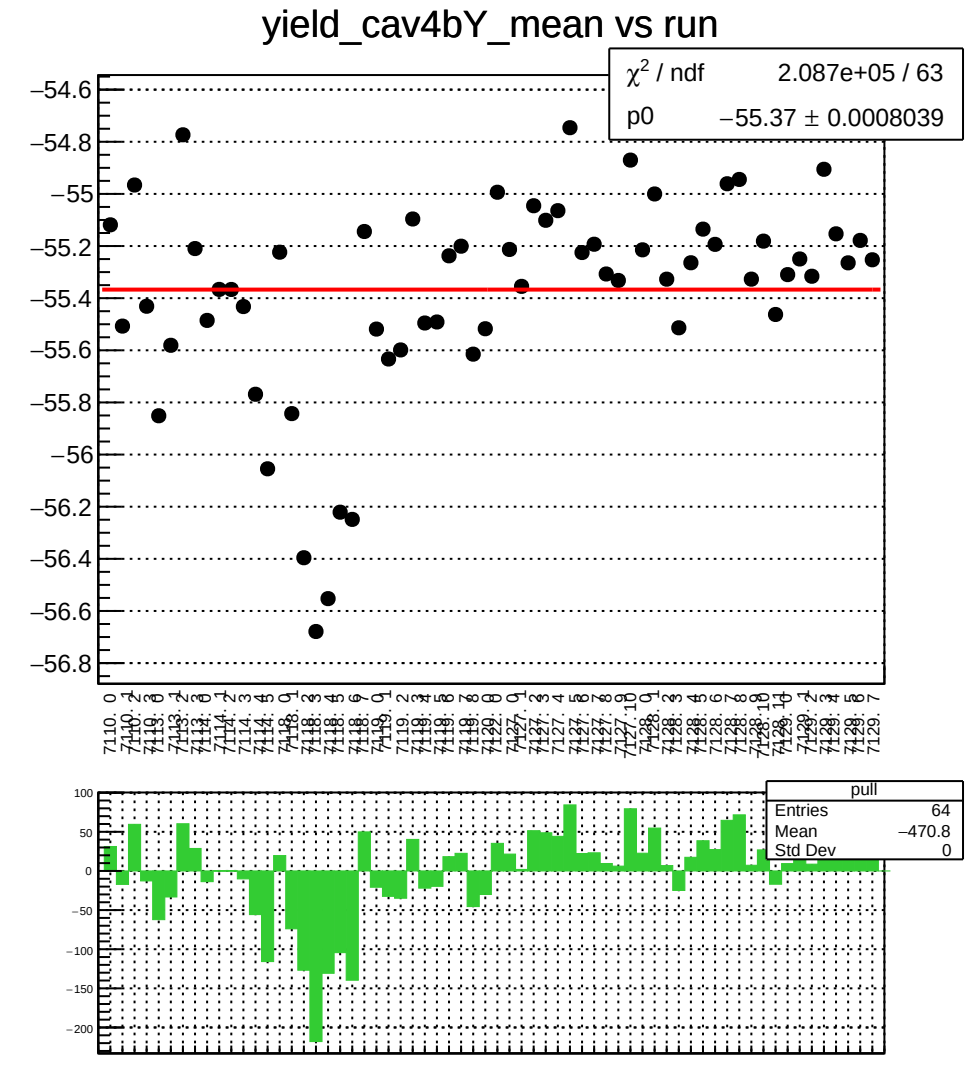

pull1D
Entries 64
Mean −0.009586
Std Dev 0.966

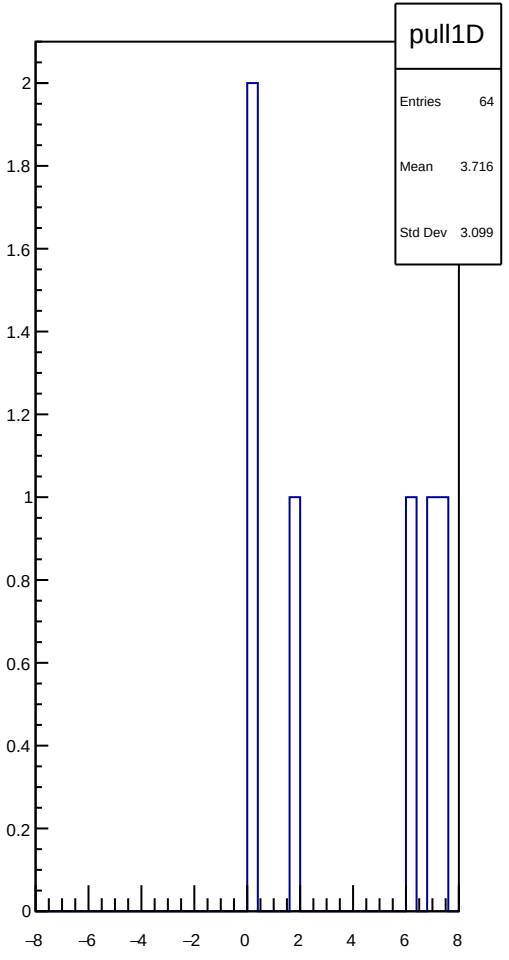

diff_bpmtargetdiffY_rms vs run
χ² / ndf 9023 / 63
p0 1078 ± 0.9774
1400
1300
1200
1100
1000
900

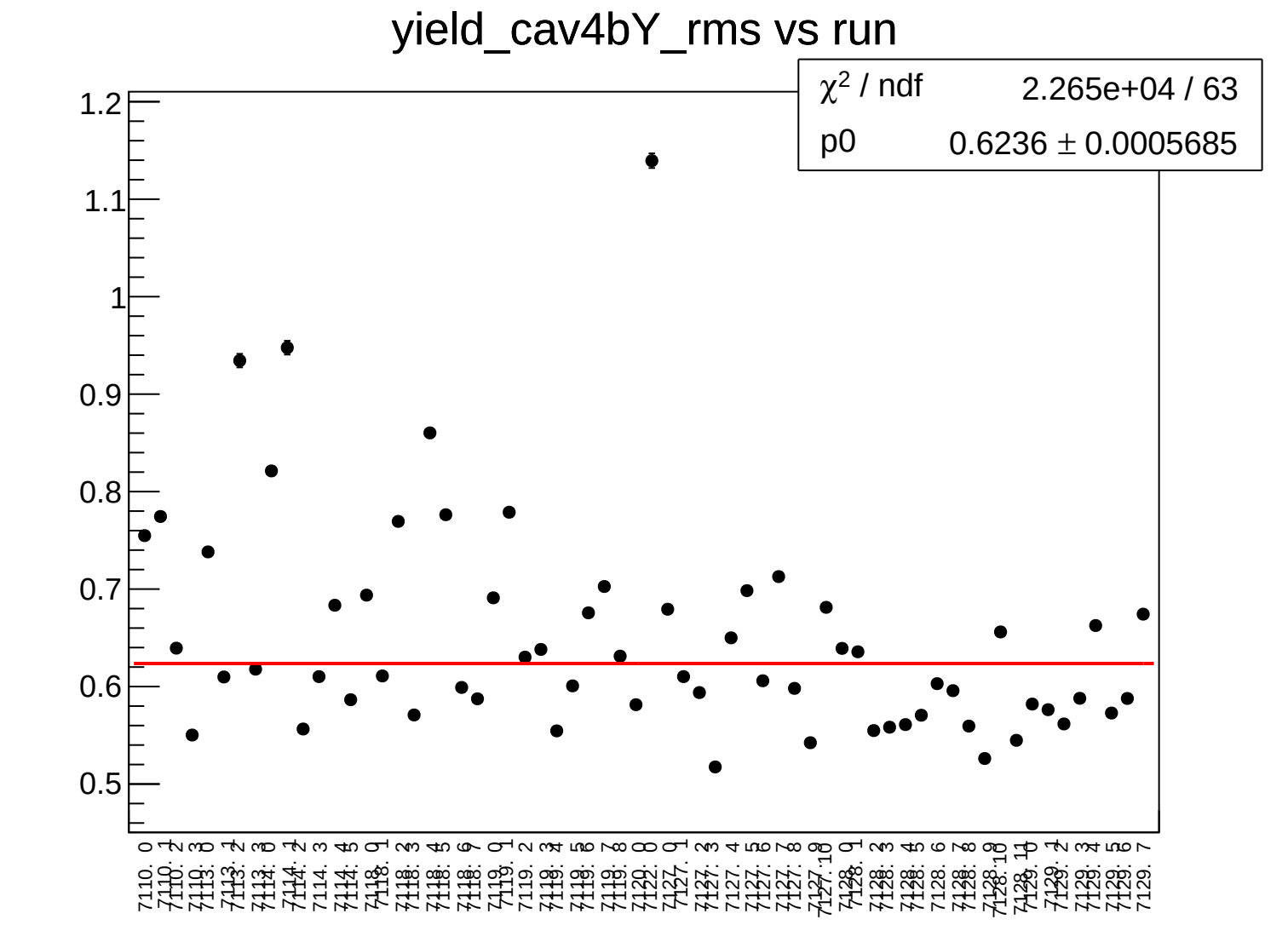

yield_cav4bX_mean vs run
χ² / ndf 2.674e+05 / 63
p0 −24.53 ± 0.001573
−22
−23
−24
−25
−26
−27
pull
Entries 64
Mean −10.91
Std Dev 0
100
50
0
−50
−100
−150

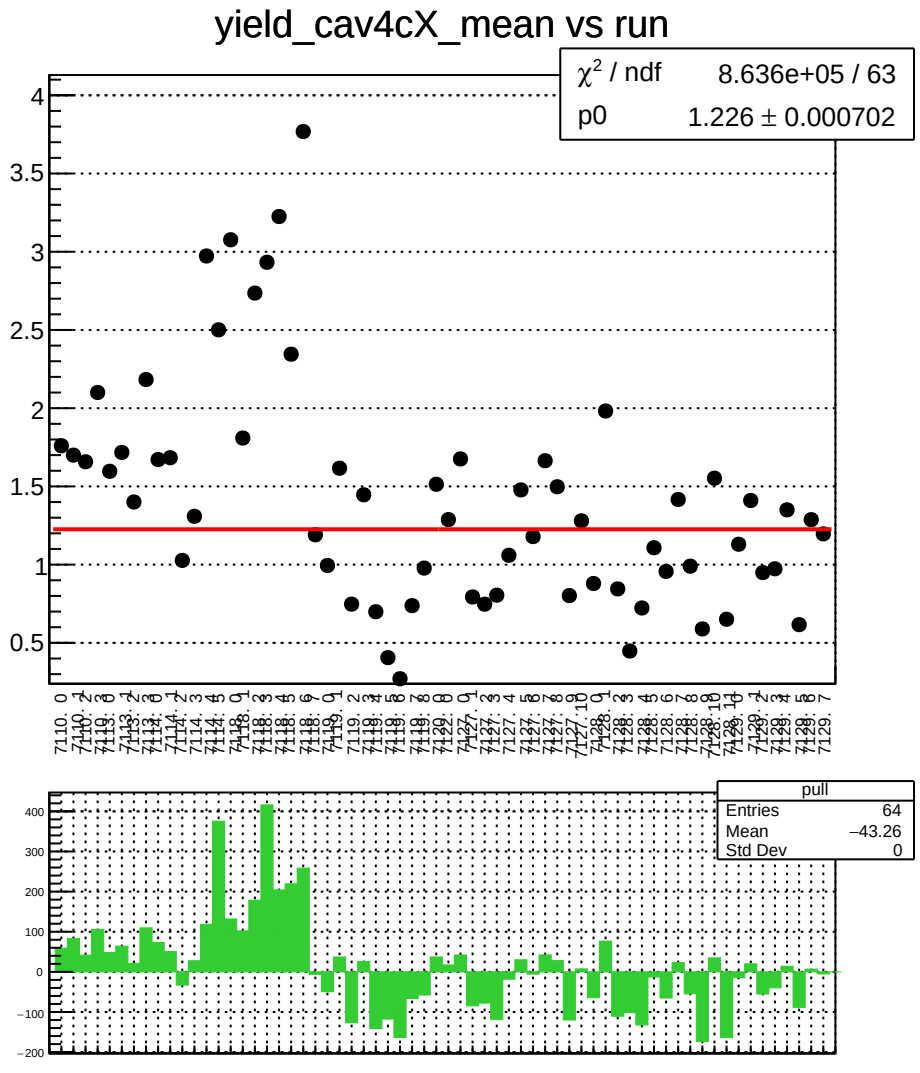

pull1D
Entries 64
Mean 1.74
Std Dev 6.567
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

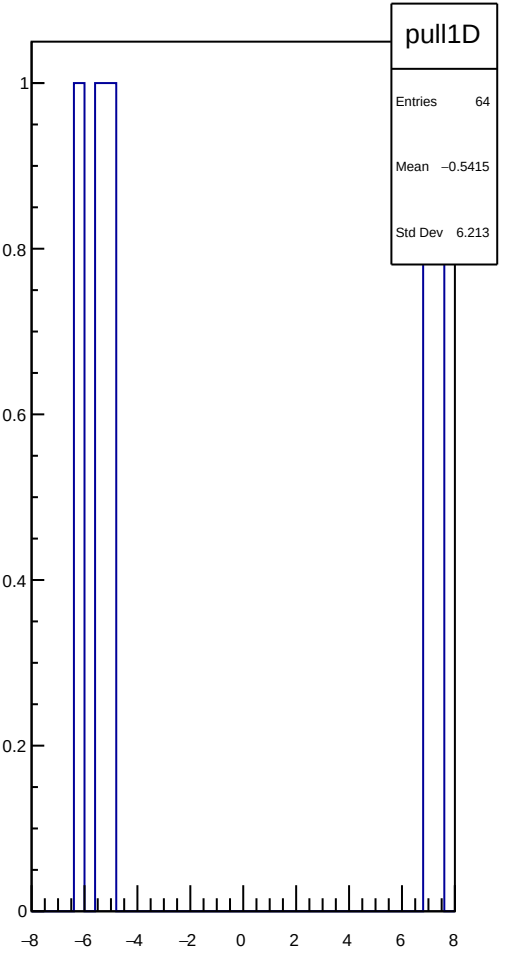

yield_cav4bX_rms vs run
χ² / ndf 1.687e+05 / 63
p0 1.144 ± 0.001113
2.5
2
1.5
1
0.5

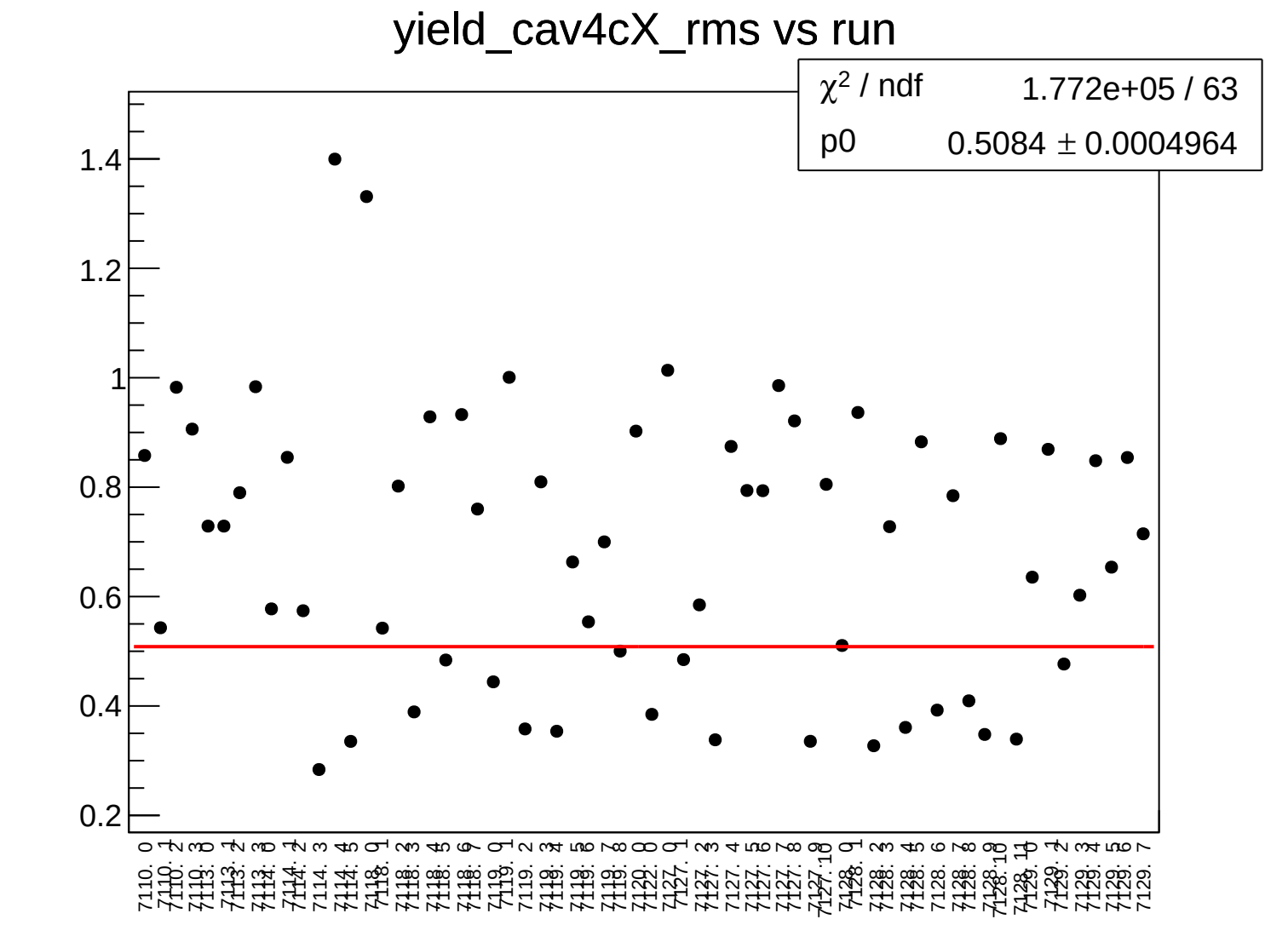

yield_cav4bY_mean vs run
χ² / ndf 2.087e+05 / 63
p0 −55.37 ± 0.0008039
pull
Entries 64
Mean −470.8
Std Dev 0

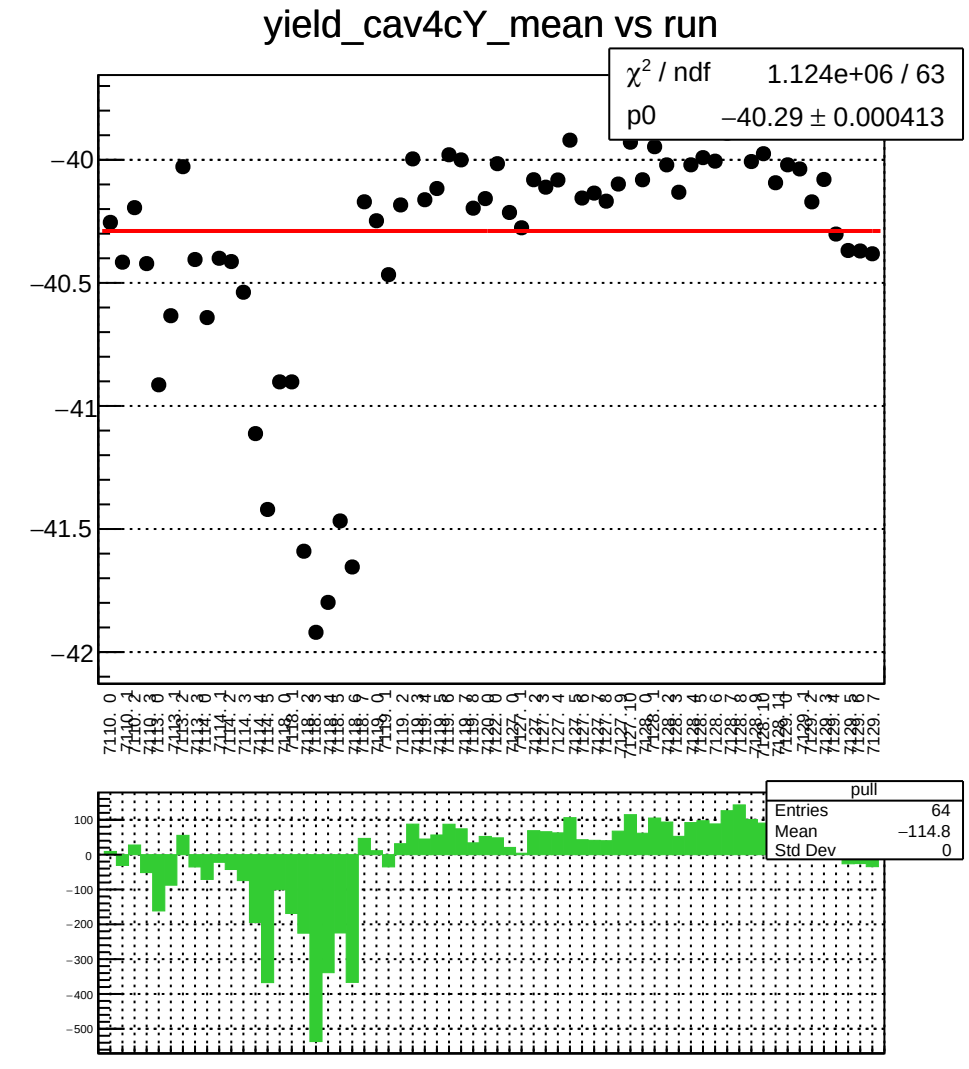

pull1D
Entries 64
Mean 3.716
Std Dev 3.099

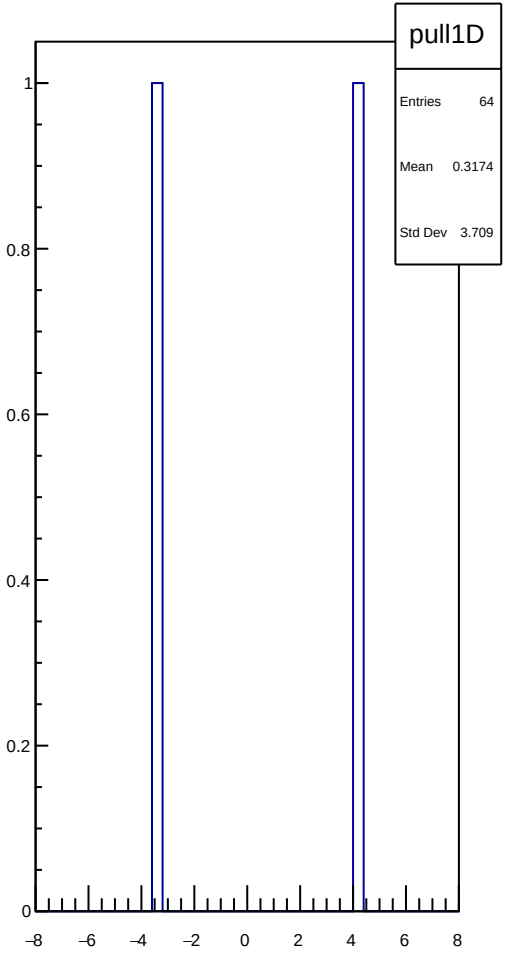

yield_cav4bY_rms vs run
χ² / ndf 2.265e+04 / 63
p0 0.6236 ± 0.0005685
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5

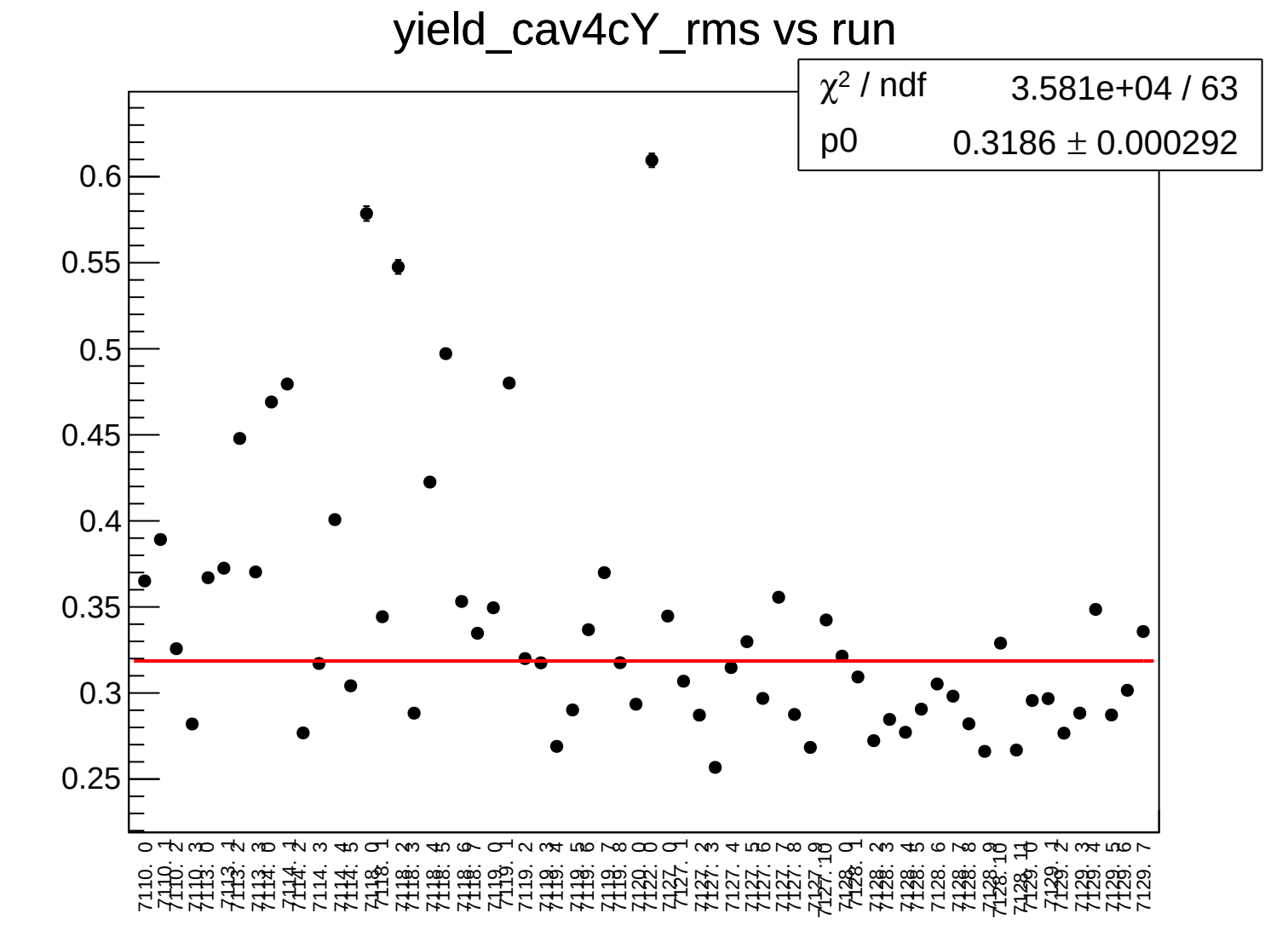

yield_cav4cX_mean vs run
χ² / ndf 8.636e+05 / 63
p0 1.226 ± 0.000702
pull
Entries 64
Mean −43.26
Std Dev 0

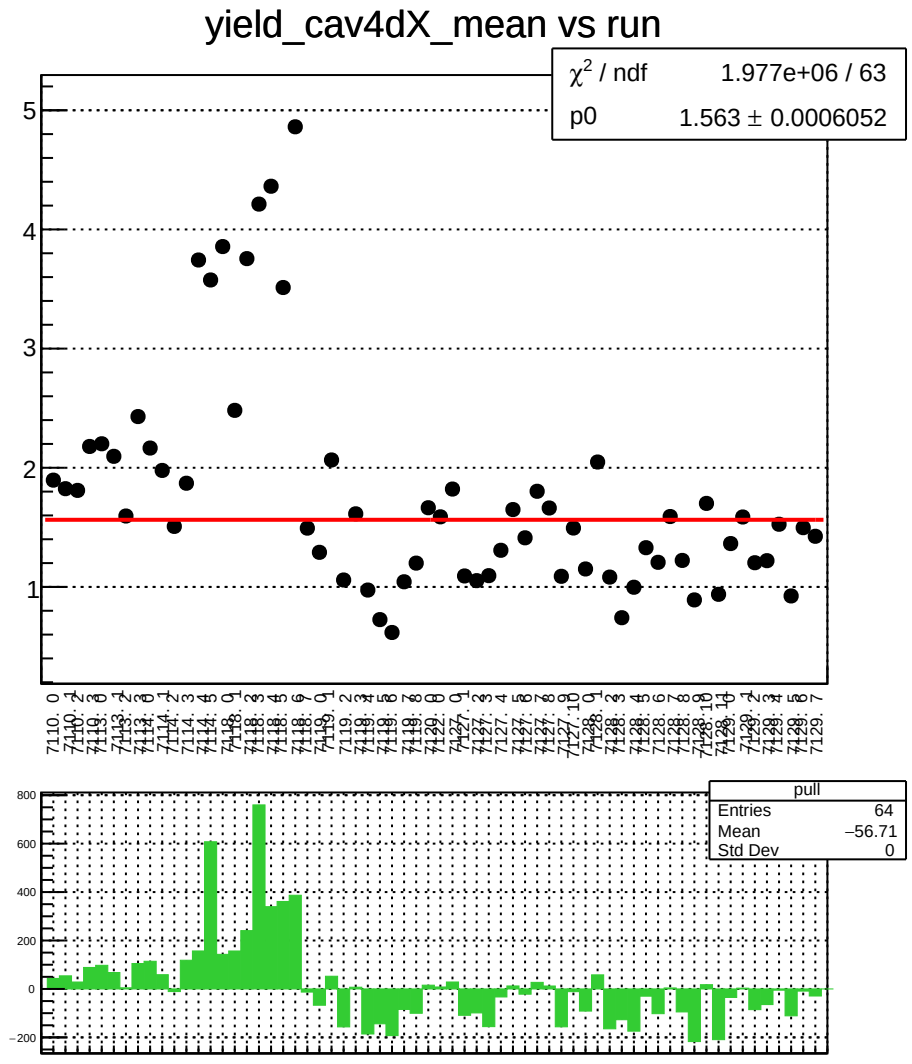

pull1D
Entries 64
Mean −0.5415
Std Dev 6.213

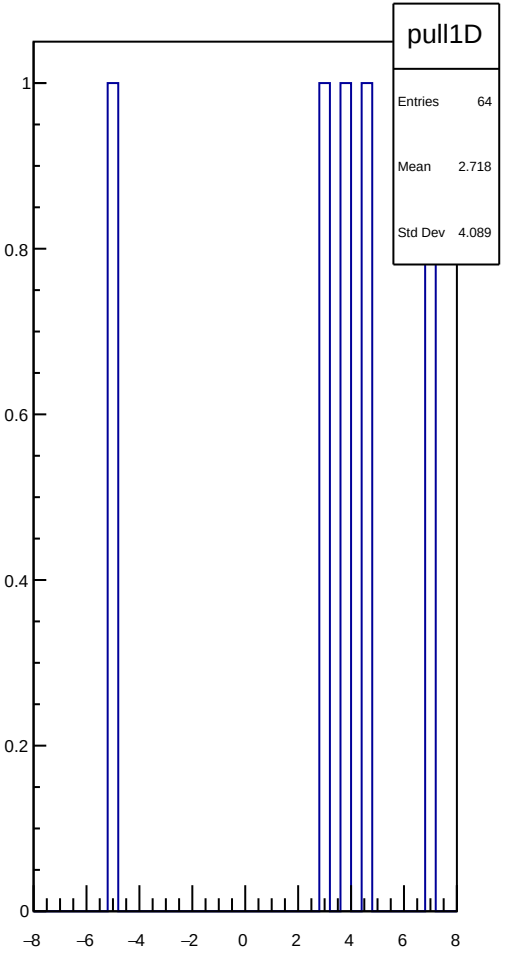

yield_cav4cX_rms vs run
χ² / ndf 1.772e+05 / 63
p0 0.5084 ± 0.0004964
1.4
1.2
1
0.8
0.6
0.4
0.2

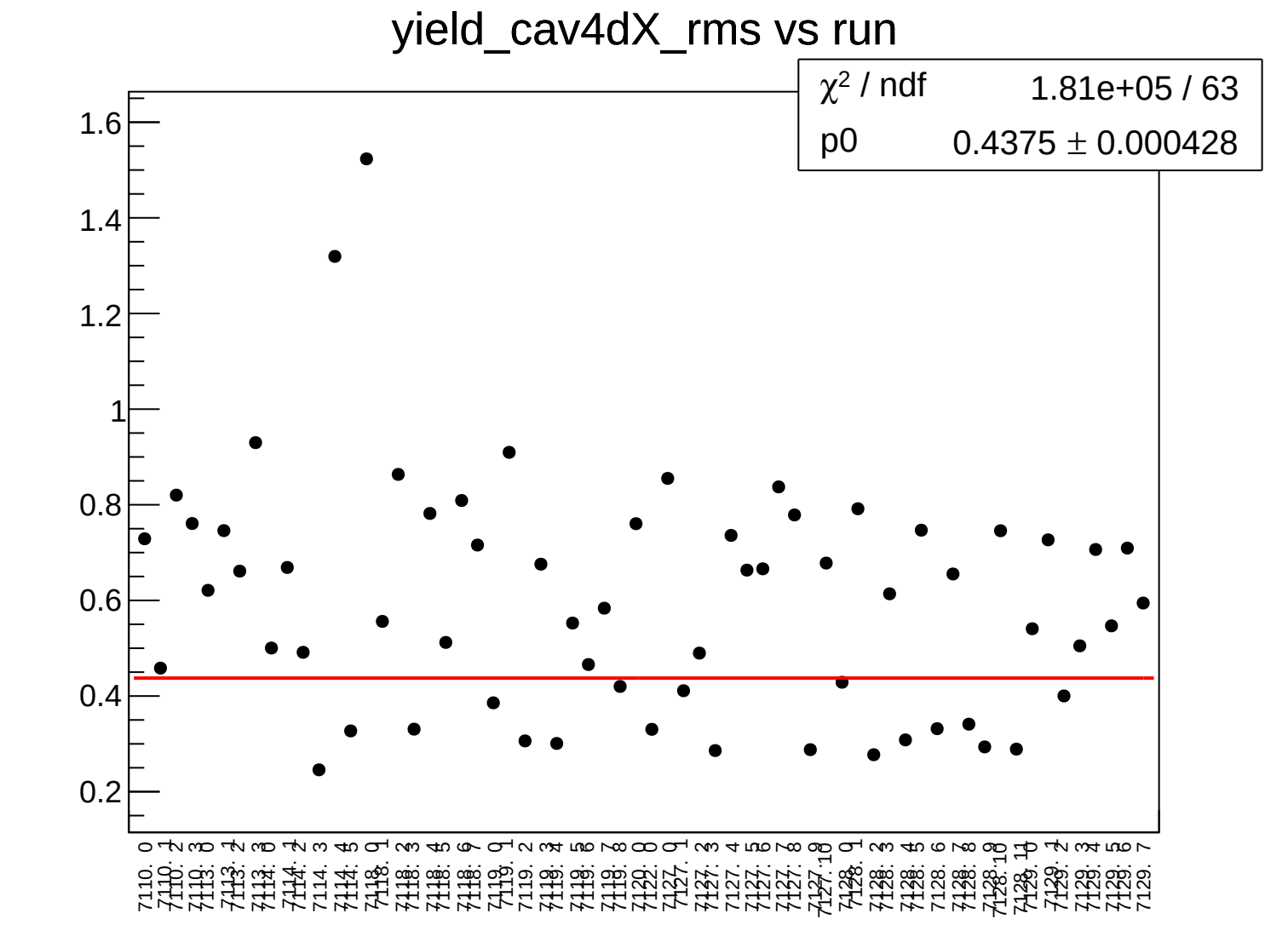

yield_cav4cY_mean vs run
χ² / ndf 1.124e+06 / 63
p0 −40.29 ± 0.000413
−40
−40.5
−41
−41.5
−42
pull
Entries 64
Mean −114.8
Std Dev 0
100
0
−100
−200
−300
−400
−500

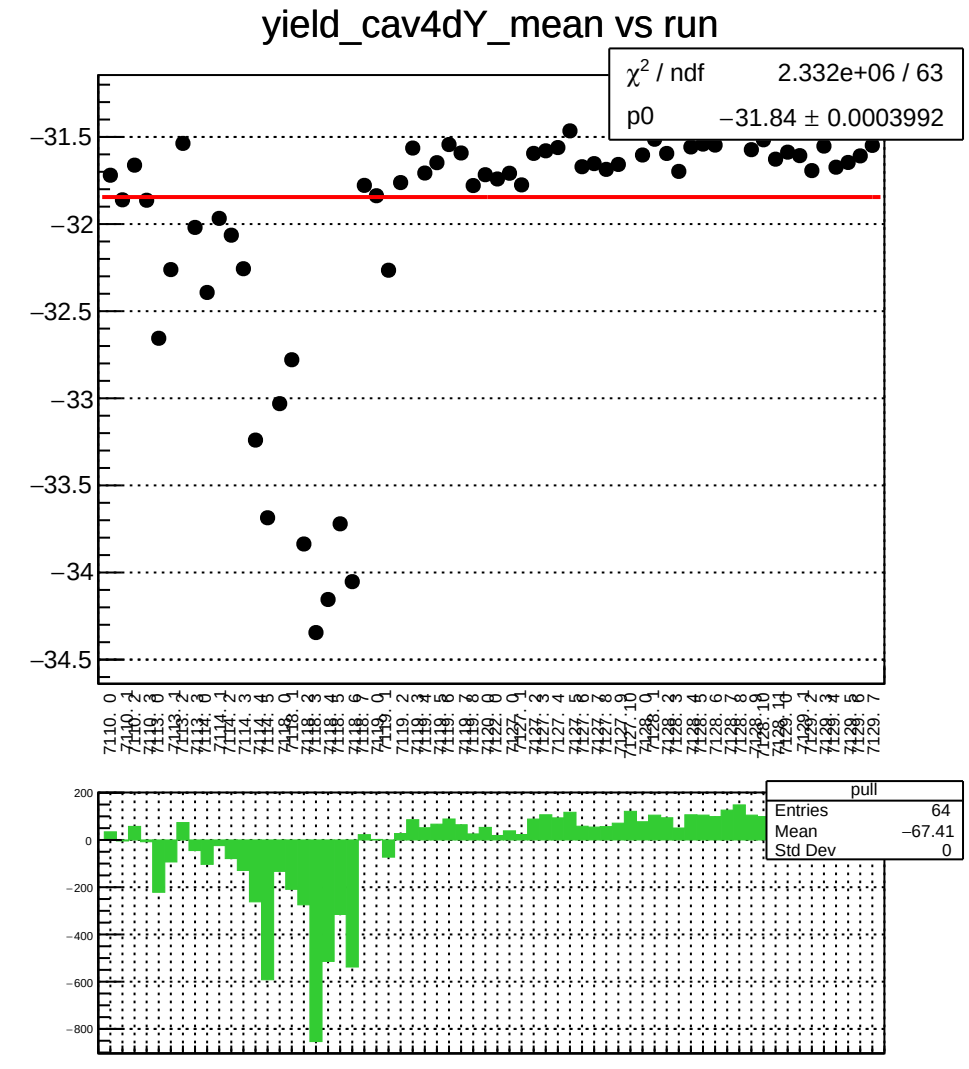

pull1D
Entries 64
Mean 0.3174
Std Dev 3.709
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

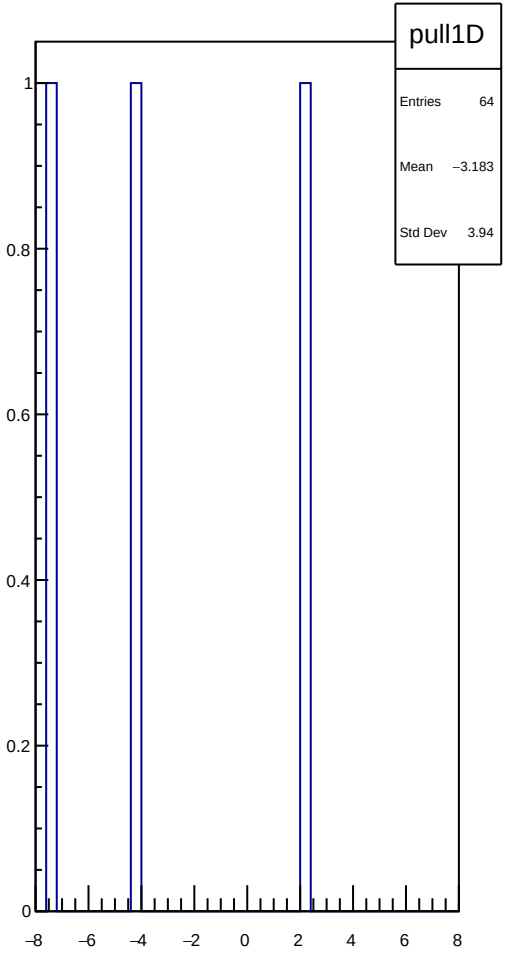

yield_cav4cY_rms vs run
χ² / ndf 3.581e+04 / 63
p0 0.3186 ± 0.000292
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25

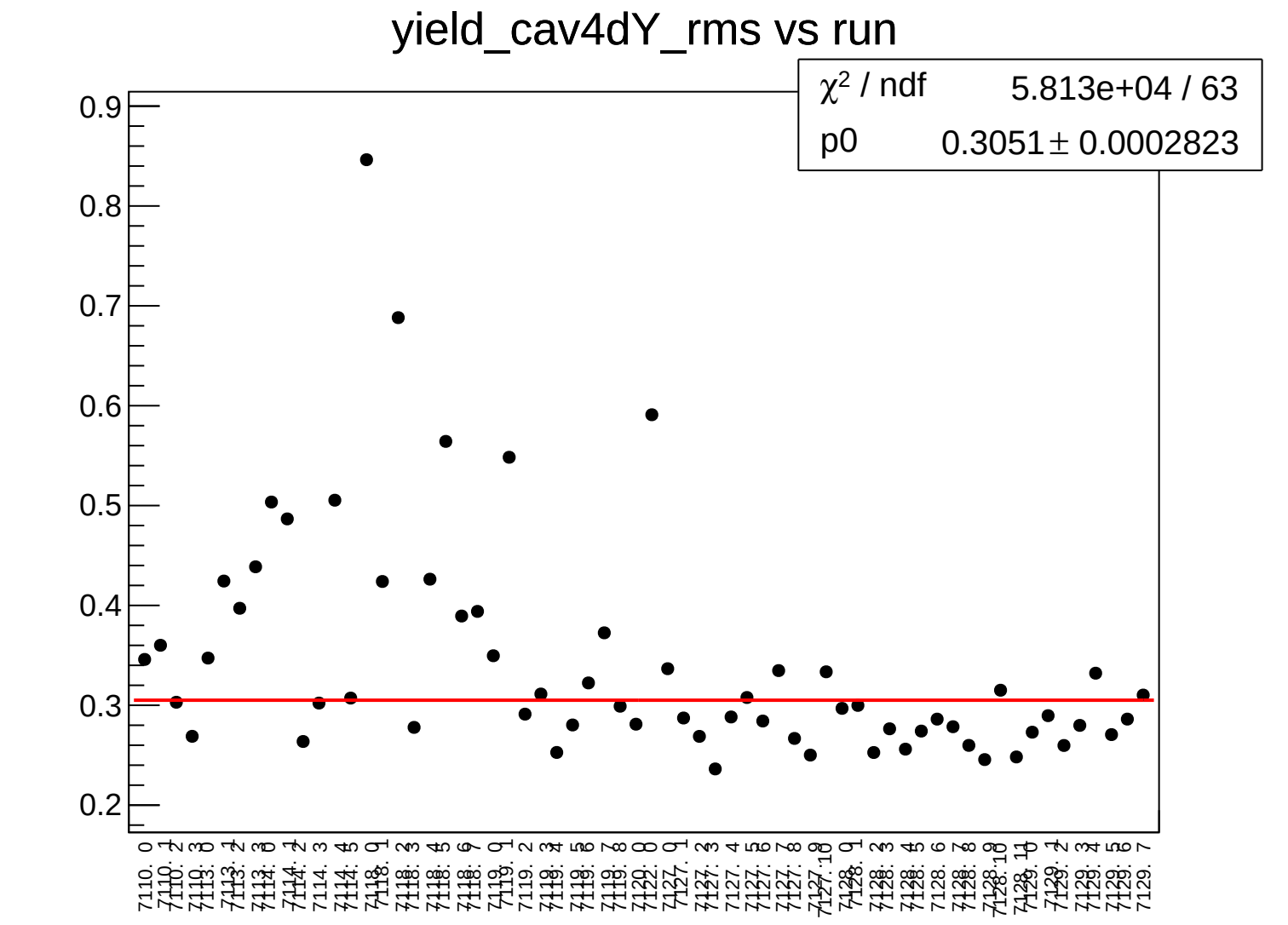

yield_cav4dX_mean vs run
χ² / ndf 1.977e+06 / 63
p0 1.563 ± 0.0006052
pull
Entries 64
Mean −56.71
Std Dev 0

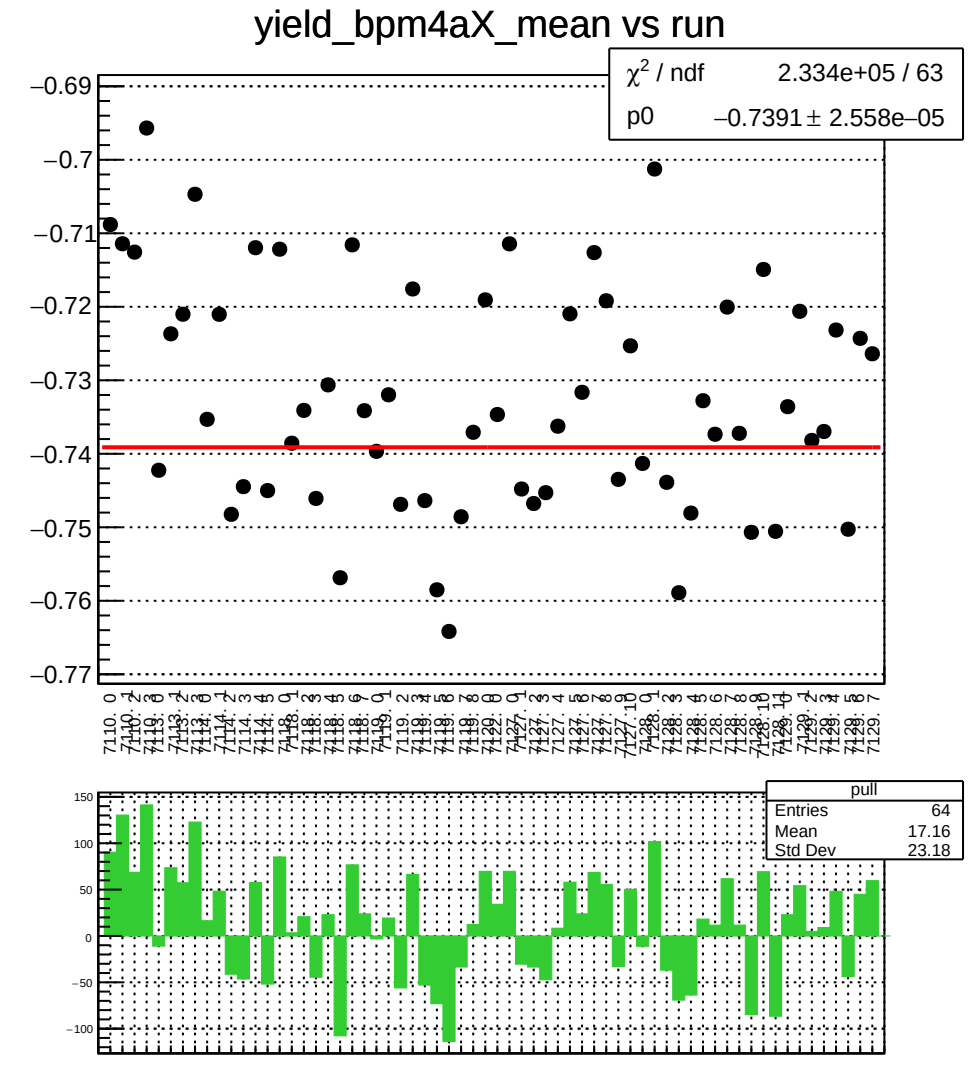

pull1D
Entries 64
Mean 2.718
Std Dev 4.089

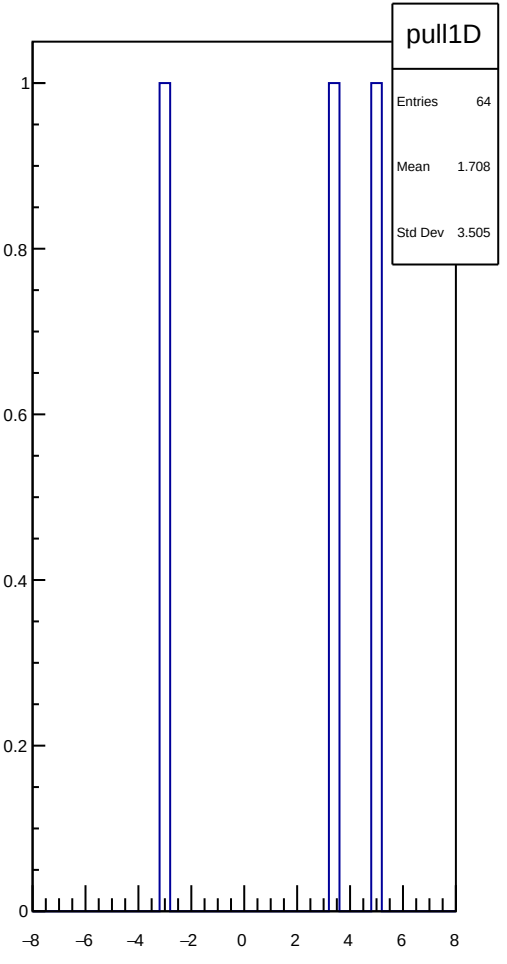

yield_cav4dX_rms vs run
χ² / ndf 1.81e+05 / 63
p0 0.4375 ± 0.000428
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

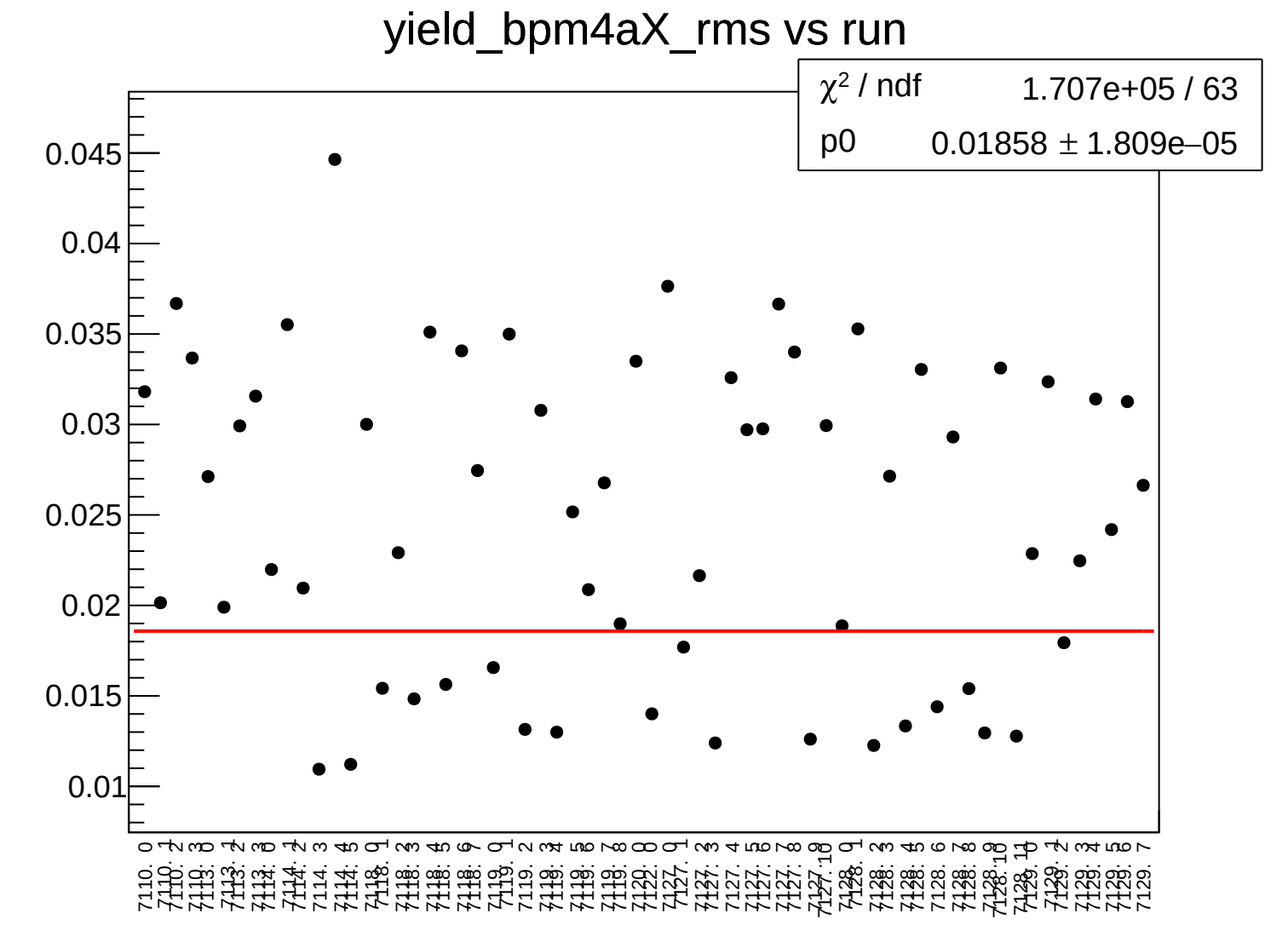

yield_cav4dY_mean vs run
χ² / ndf 2.332e+06 / 63
p0 −31.84 ± 0.0003992
−31.5
−32
−32.5
−33
−33.5
−34
−34.5
pull
Entries 64
Mean −67.41
Std Dev 0
200
0
−200
−400
−600
−800

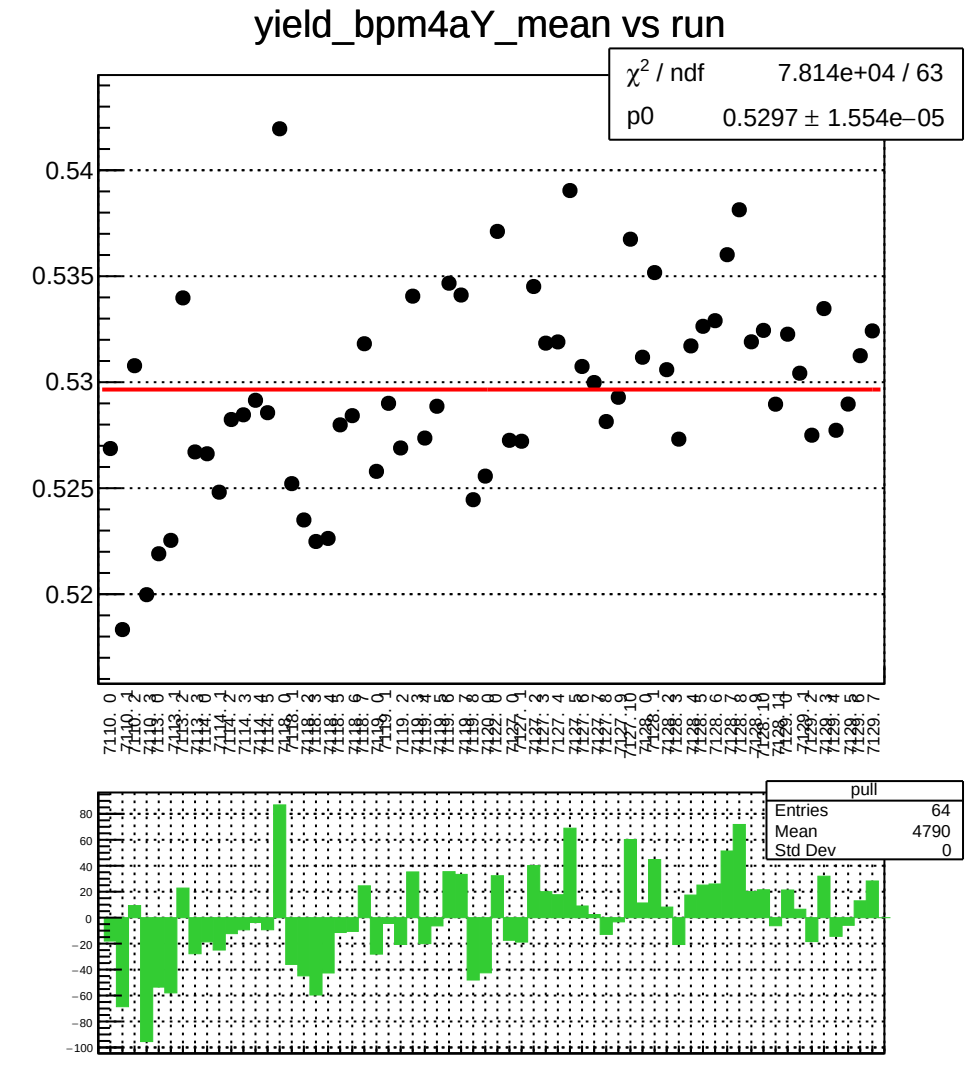

pull1D
Entries 64
Mean −3.183
Std Dev 3.94
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

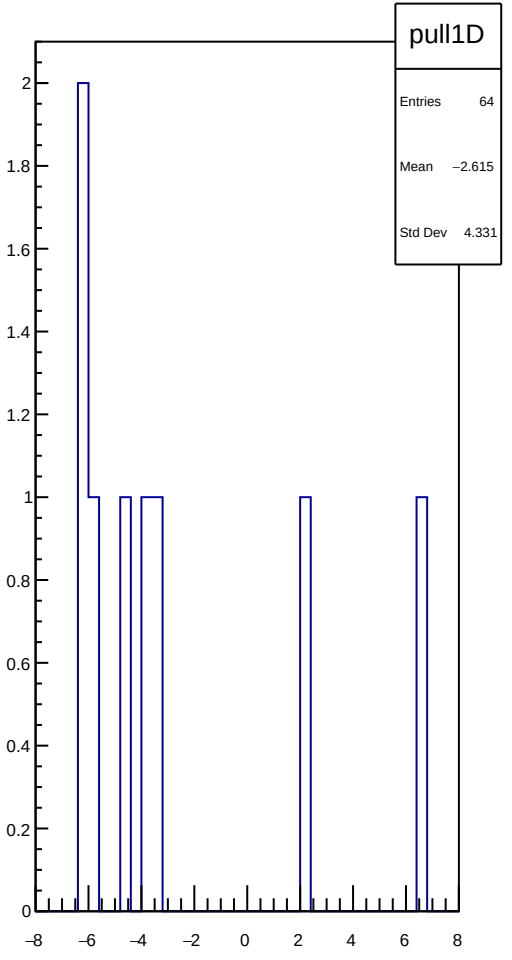

yield_cav4dY_rms vs run
χ² / ndf 5.813e+04 / 63
p0 0.3051 ± 0.0002823
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

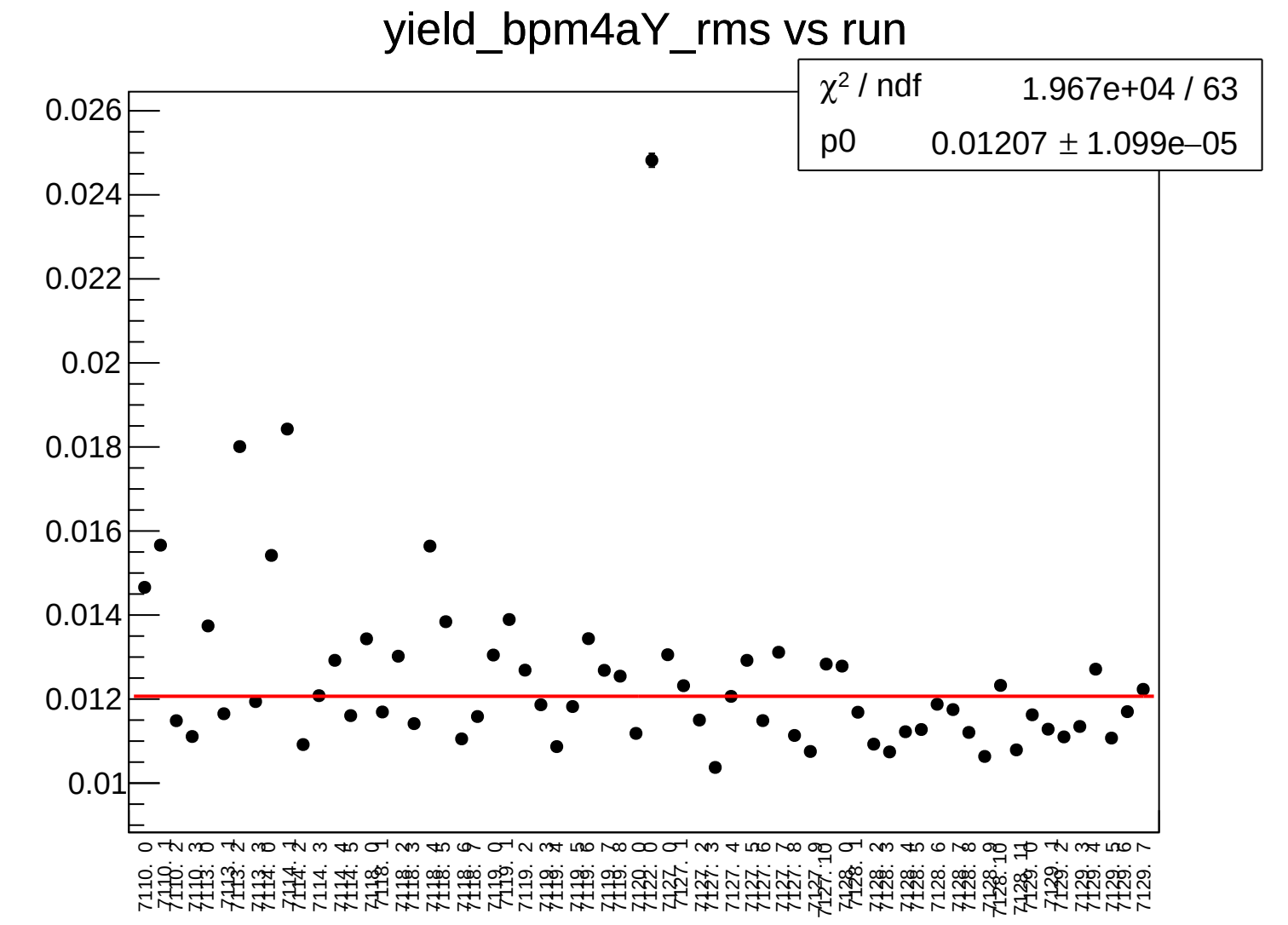

yield_bpm4aX_mean vs run
χ² / ndf 2.334e+05 / 63
p0 −0.7391 ± 2.558e−05
pull
Entries 64
Mean 17.16
Std Dev 23.18

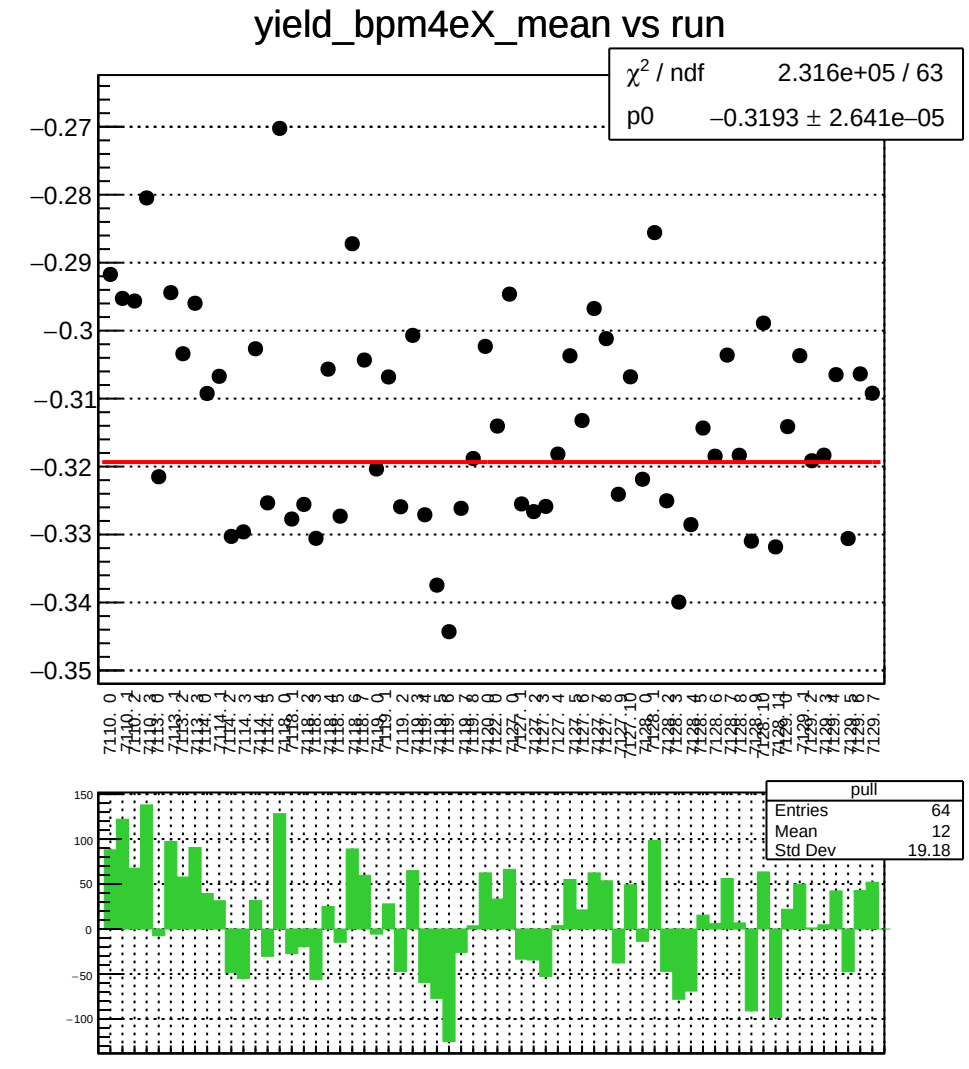

pull1D
Entries 64
Mean 1.708
Std Dev 3.505

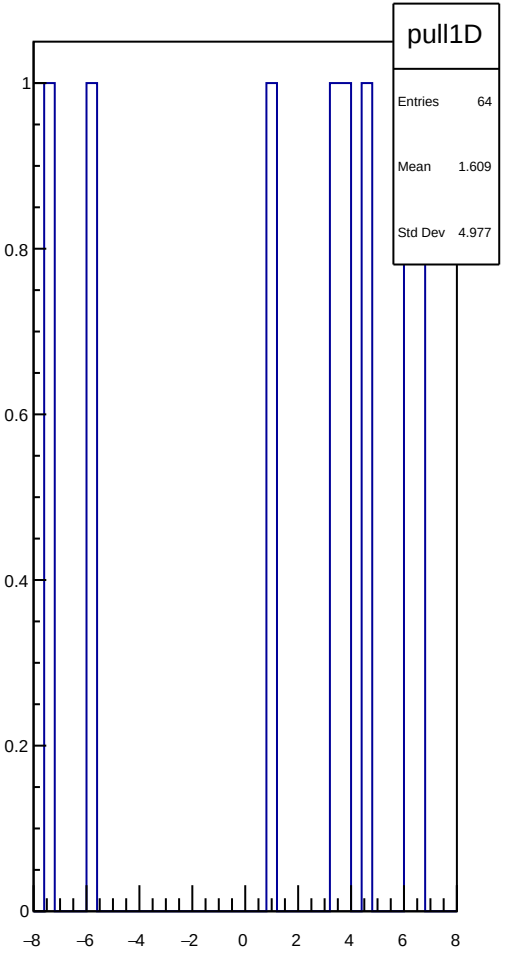

yield_bpm4aX_rms vs run
χ² / ndf 1.707e+05 / 63
p0 0.01858 ± 1.809e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

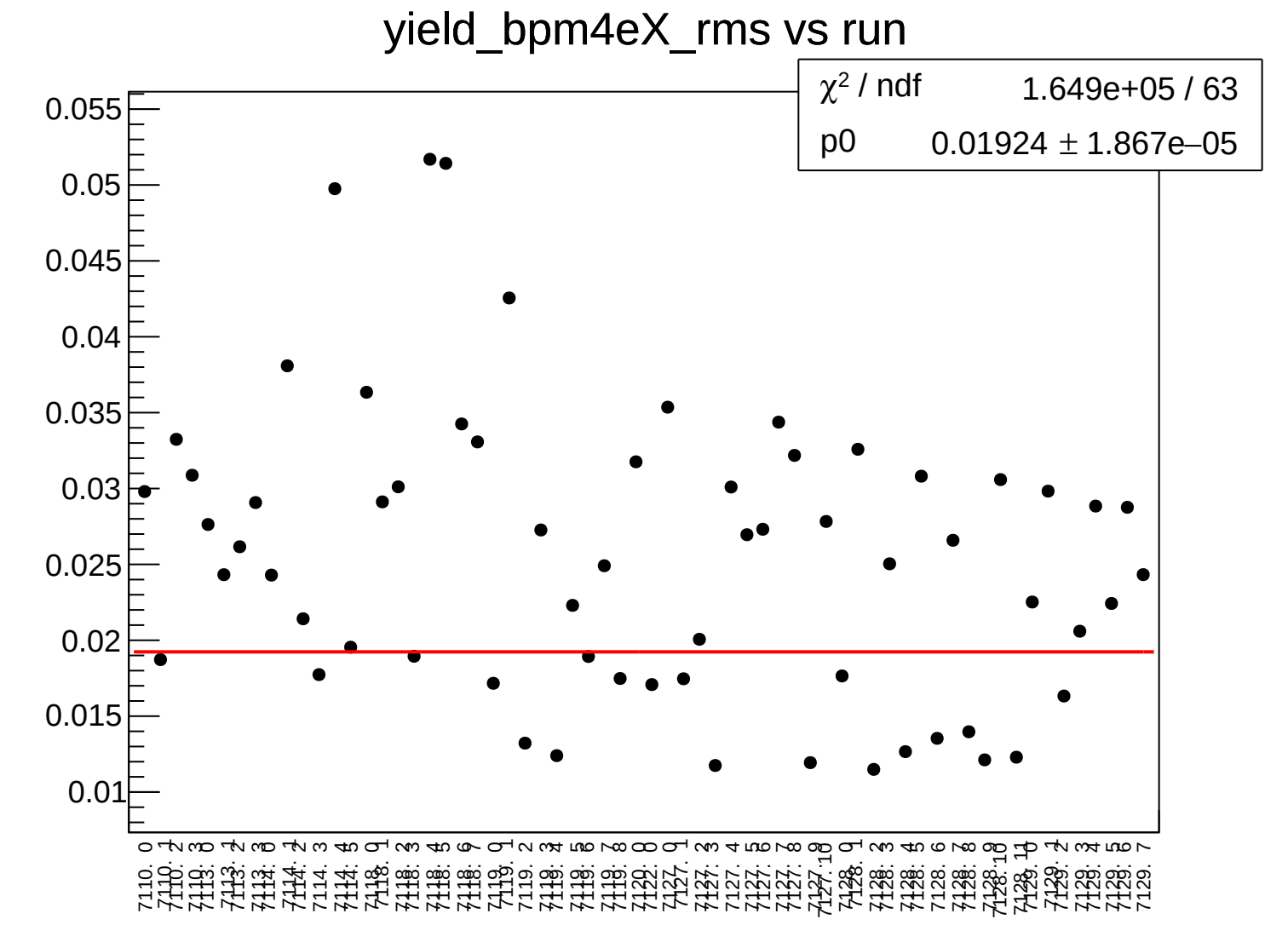

yield_bpm4aY_mean vs run
χ² / ndf 7.814e+04 / 63
p0 0.5297 ± 1.554e−05
0.54
0.535
0.53
0.525
0.52
pull
Entries 64
Mean 4790
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

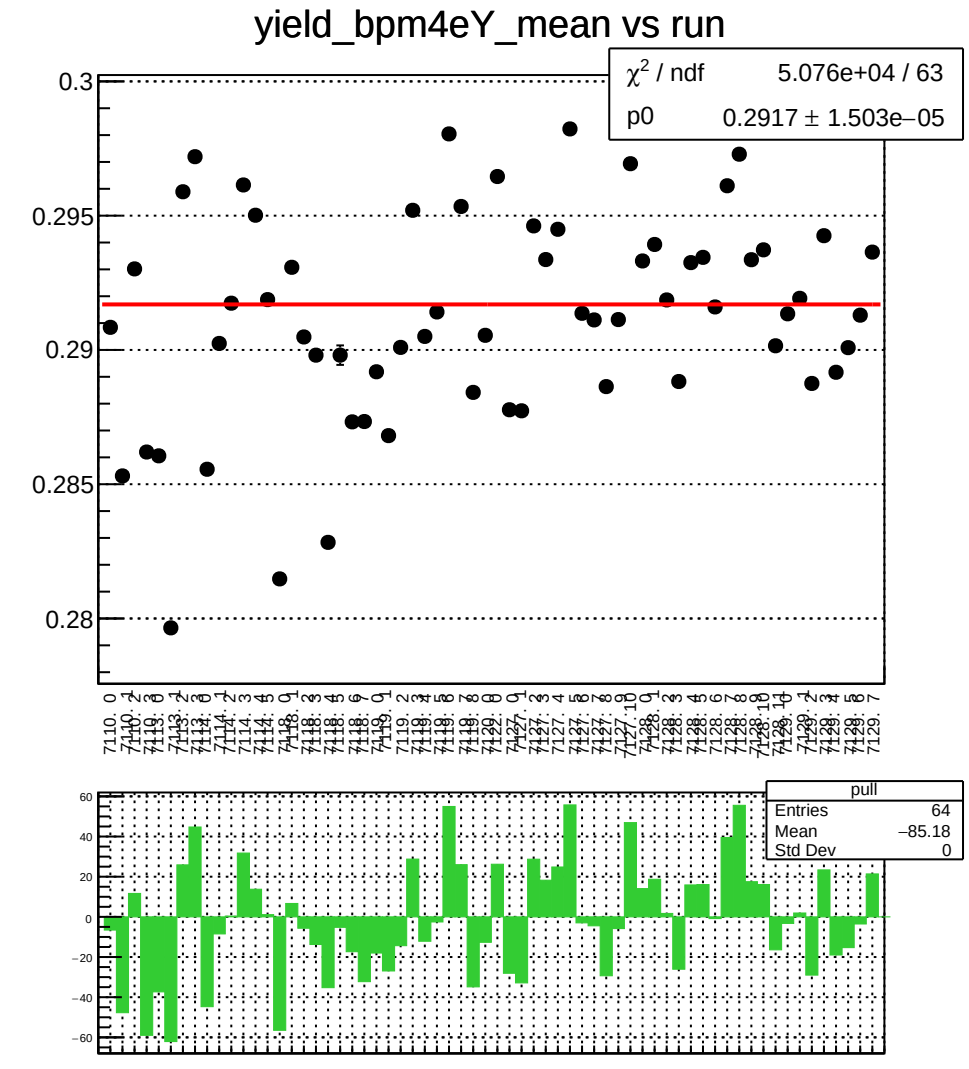

pull1D
Entries 64
Mean −2.615
Std Dev 4.331
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

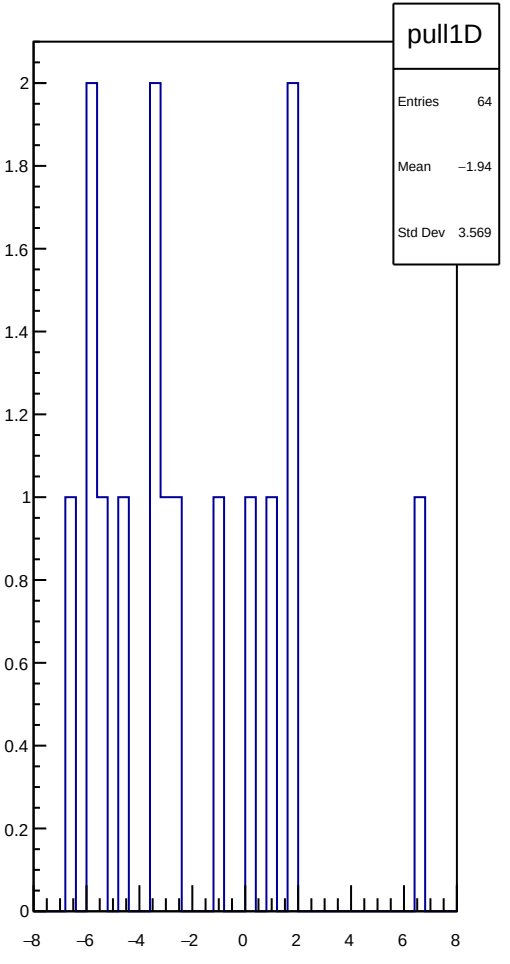

yield_bpm4aY_rms vs run
χ² / ndf 1.967e+04 / 63
p0 0.01207 ± 1.099e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

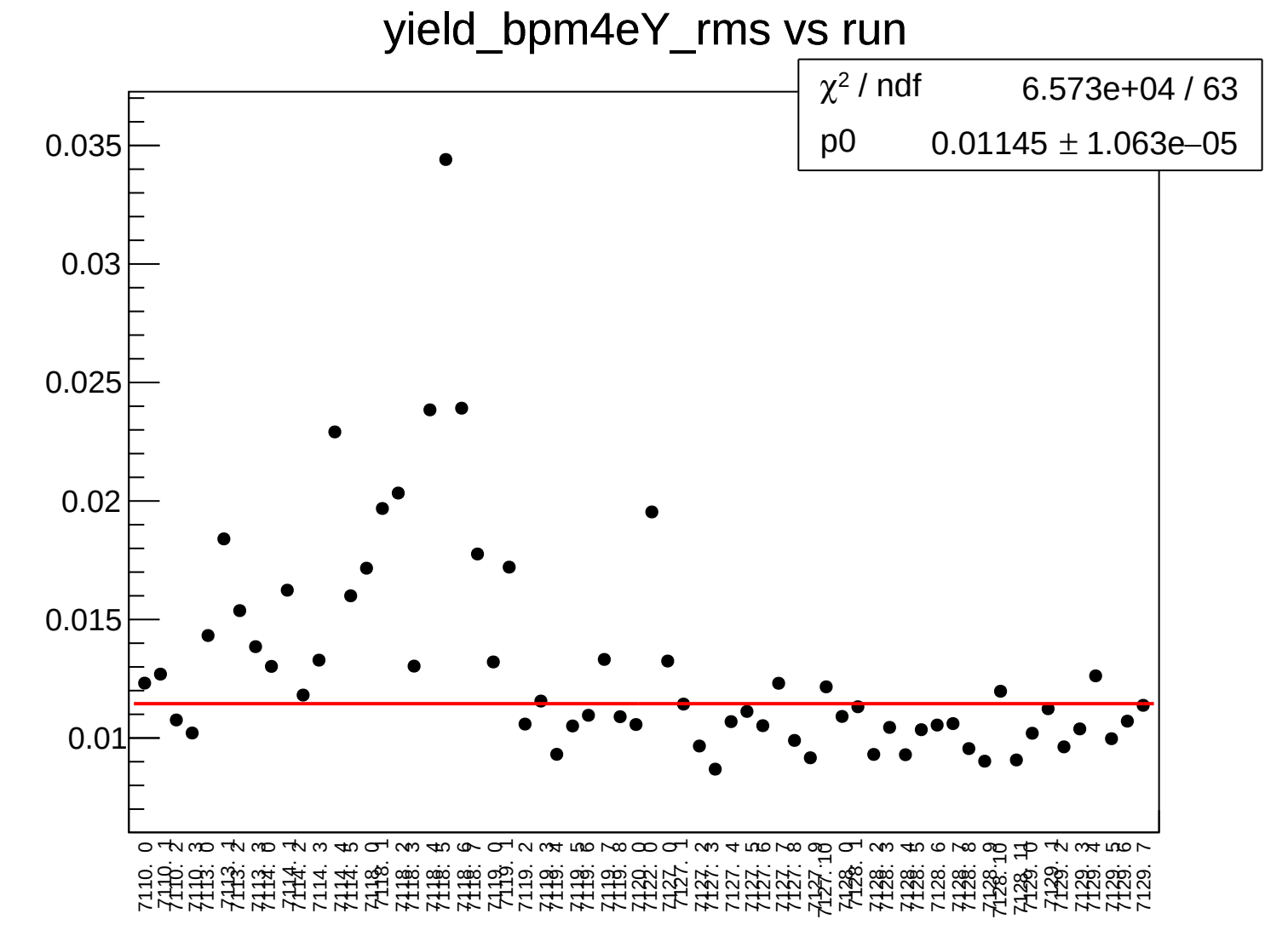

yield_bpm4eX_mean vs run
χ² / ndf 2.316e+05 / 63
p0 −0.3193 ± 2.641e−05
pull
Entries 64
Mean 12
Std Dev 19.18

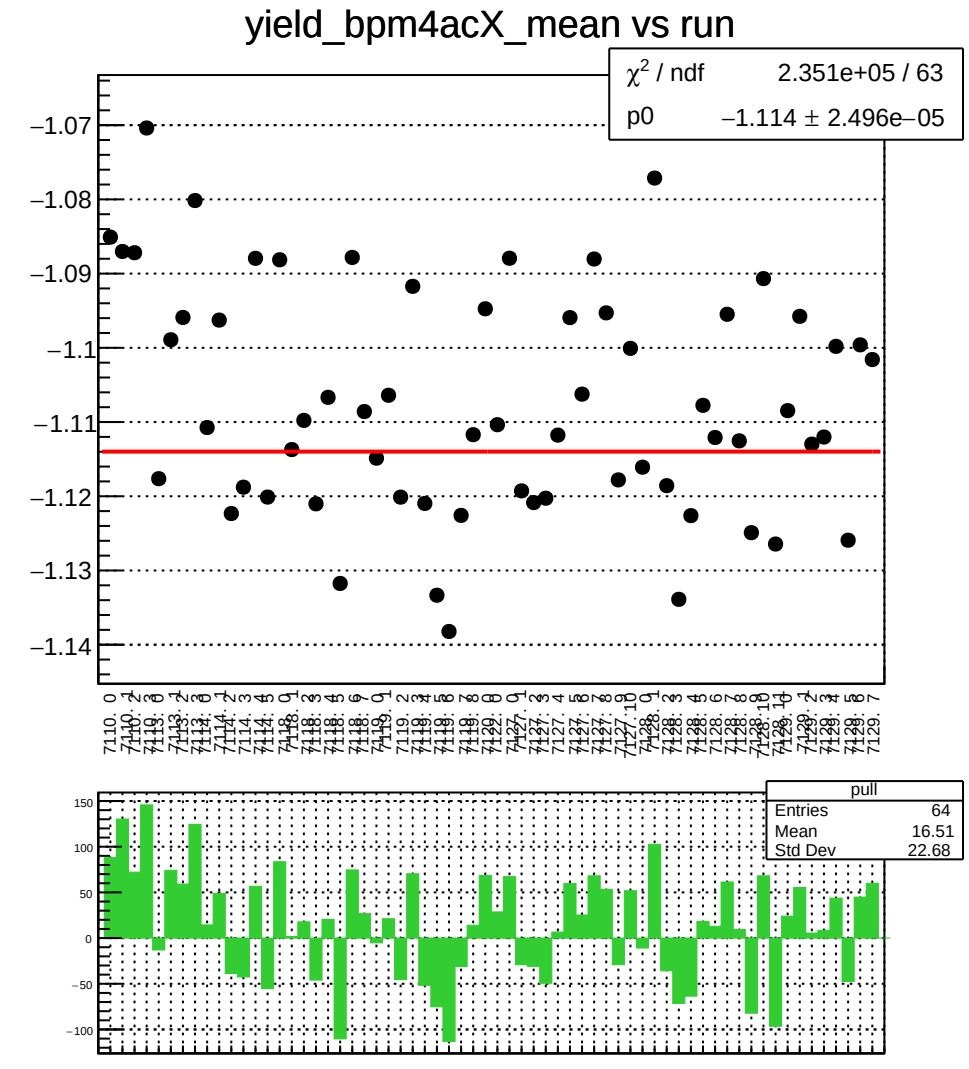

pull1D
Entries 64
Mean 1.609
Std Dev 4.977

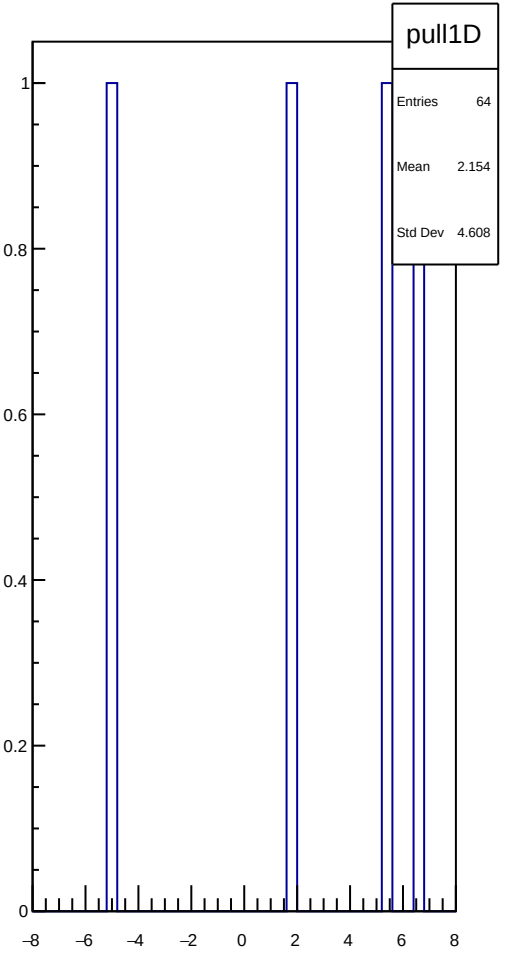

yield_bpm4eX_rms vs run
χ² / ndf 1.649e+05 / 63
p0 0.01924 ± 1.867e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

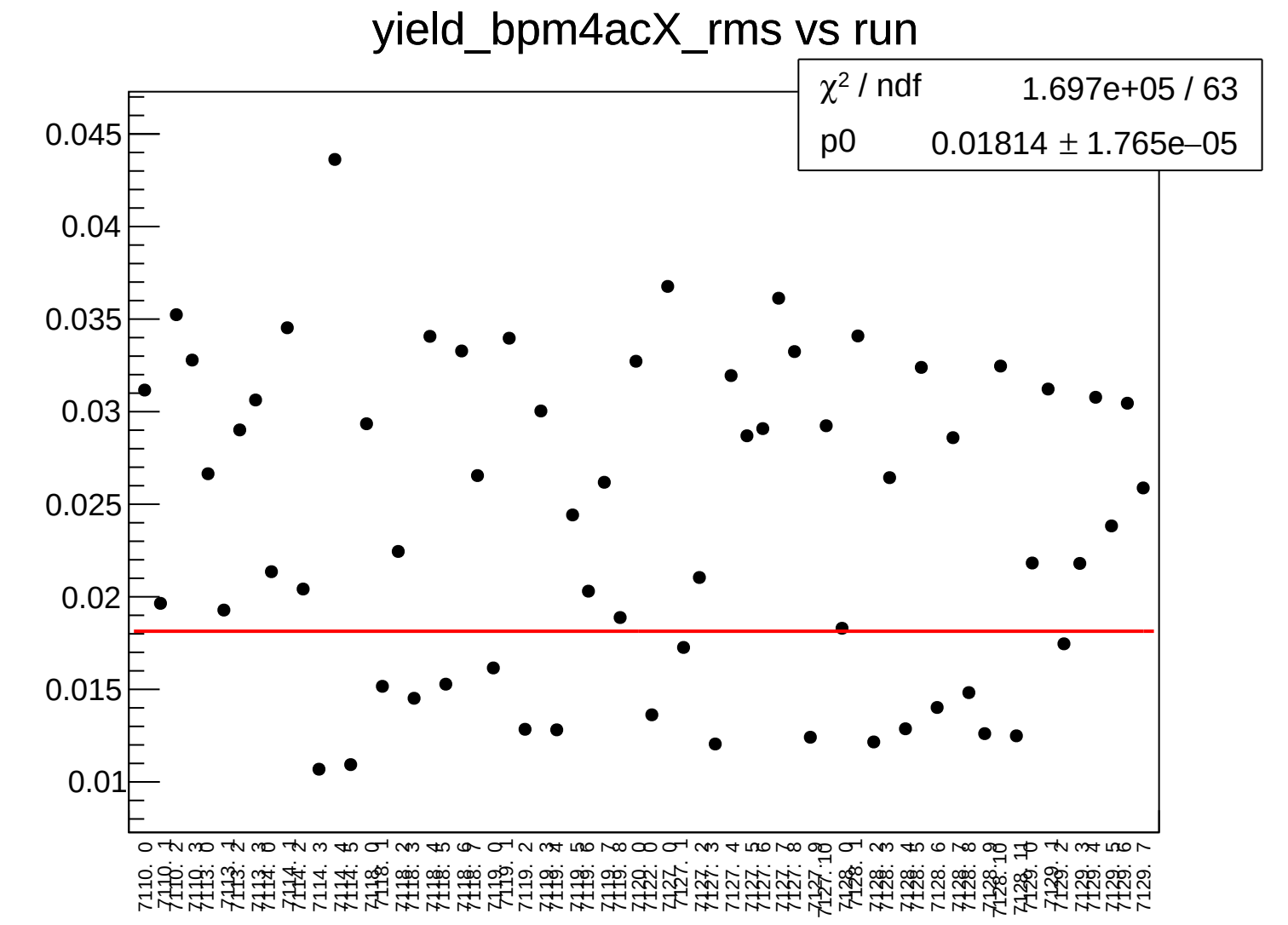

yield_bpm4eY_mean vs run
χ² / ndf 5.076e+04 / 63
p0 0.2917 ± 1.503e−05
0.3
0.295
0.29
0.285
0.28
pull
Entries 64
Mean −85.18
Std Dev 0
60
40
20
0
−20
−40
−60

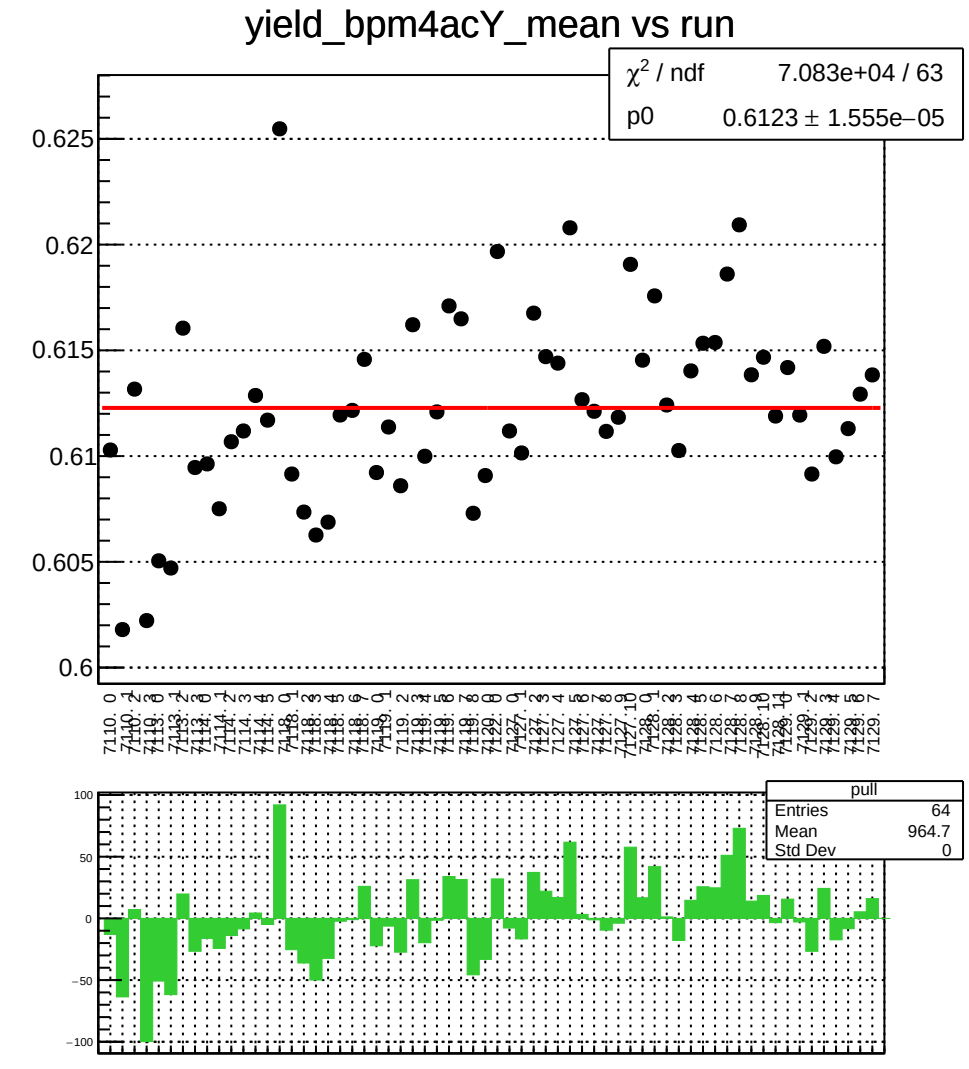

pull1D
Entries 64
Mean −1.94
Std Dev 3.569
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

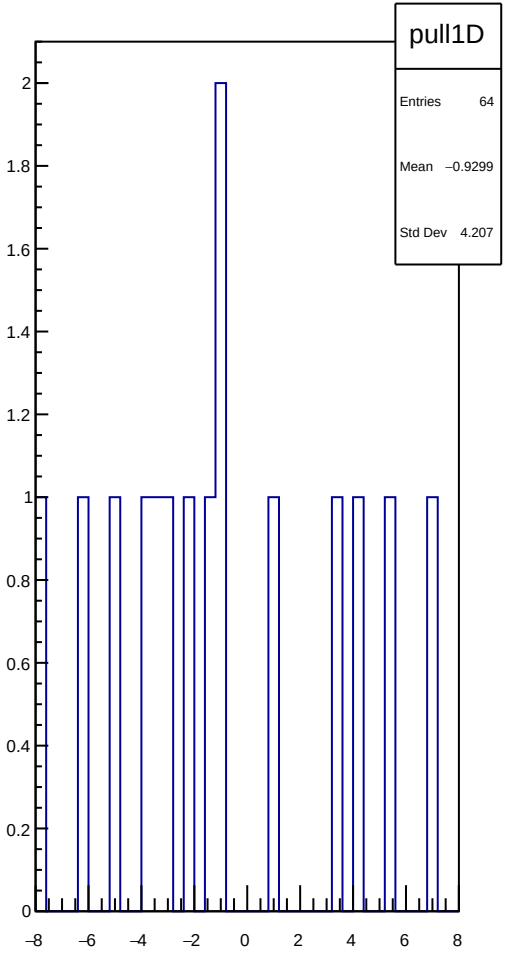

yield_bpm4eY_rms vs run
χ² / ndf 6.573e+04 / 63
p0 0.01145 ± 1.063e−05
0.035
0.03
0.025
0.02
0.015
0.01

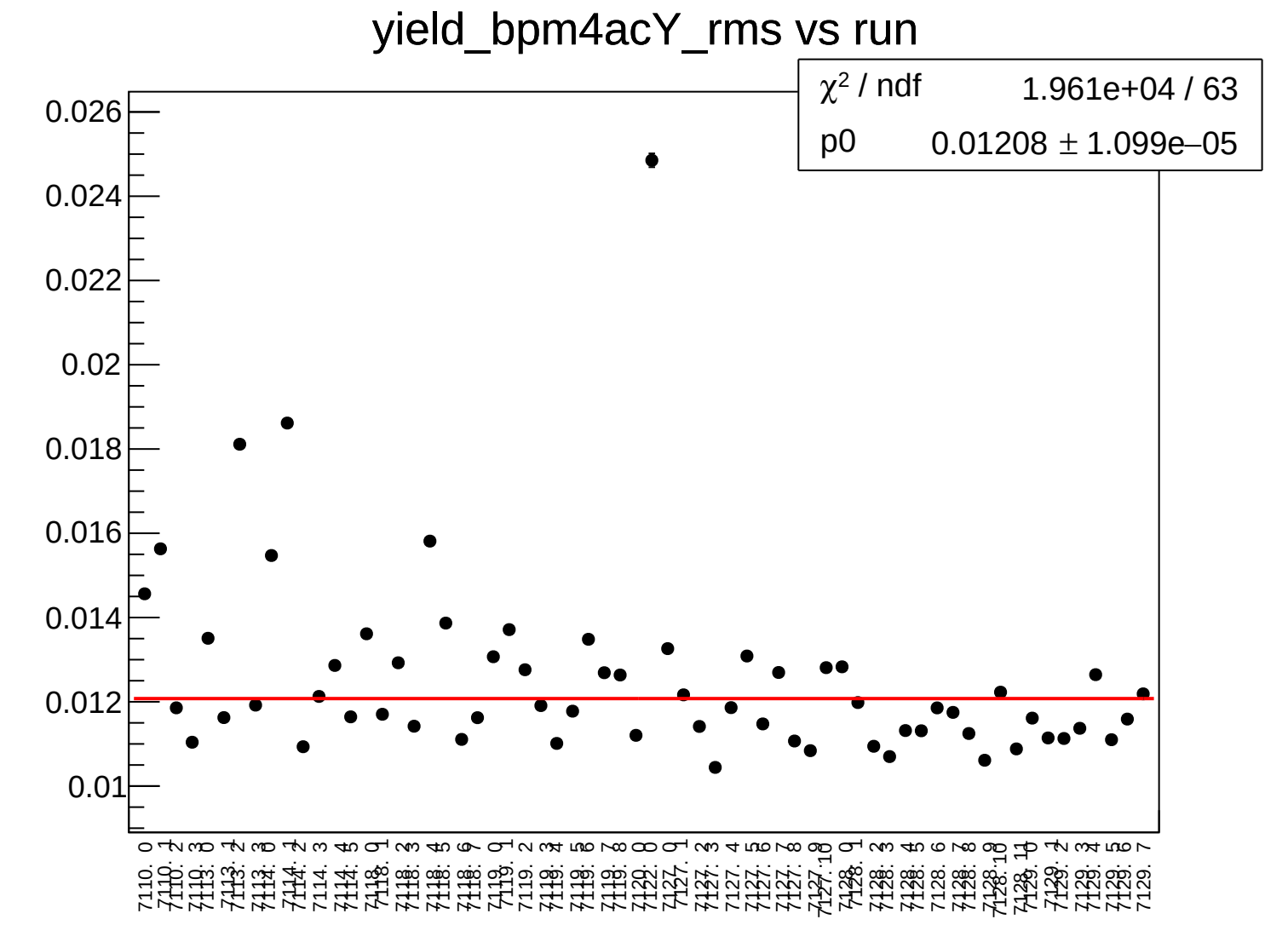

yield_bpm4acX_mean vs run
χ² / ndf 2.351e+05 / 63
p0 −1.114 ± 2.496e−05
pull
Entries 64
Mean 16.51
Std Dev 22.68

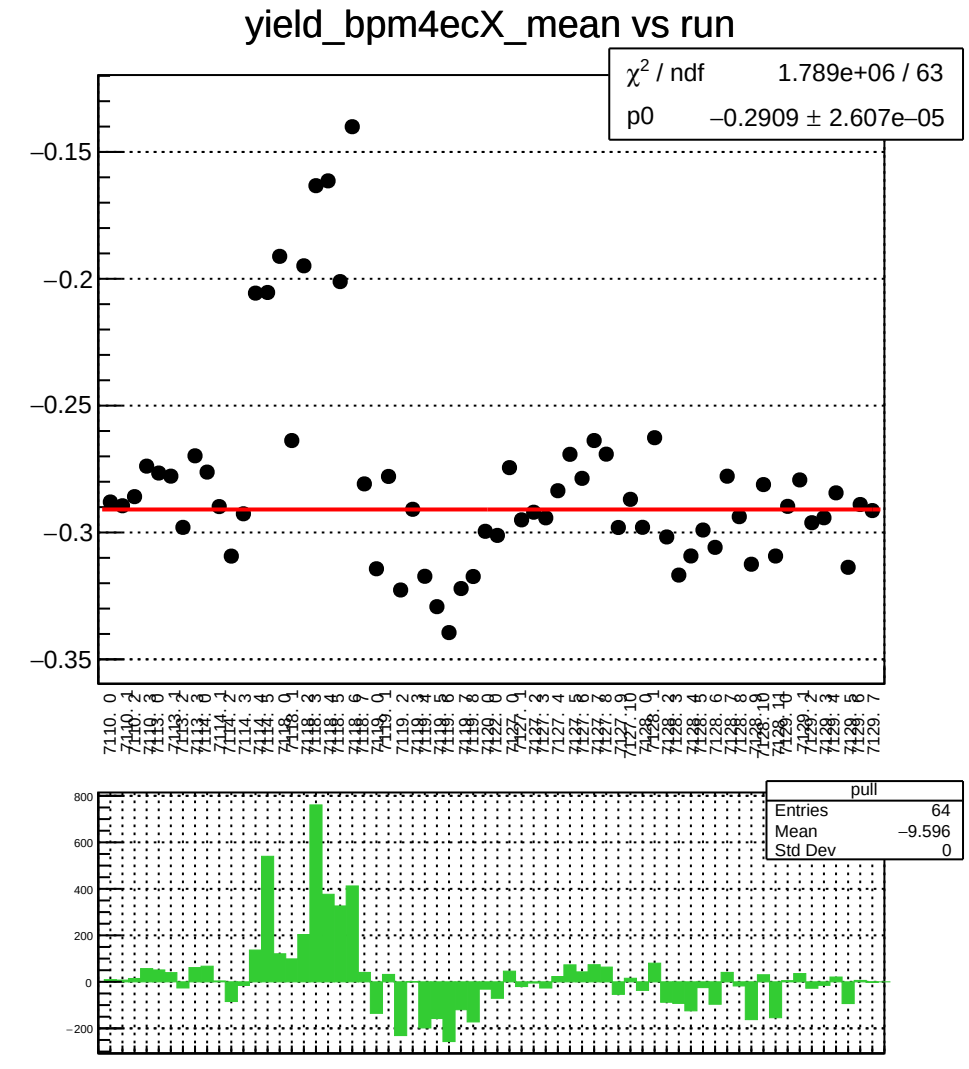

pull1D
Entries 64
Mean 2.154
Std Dev 4.608

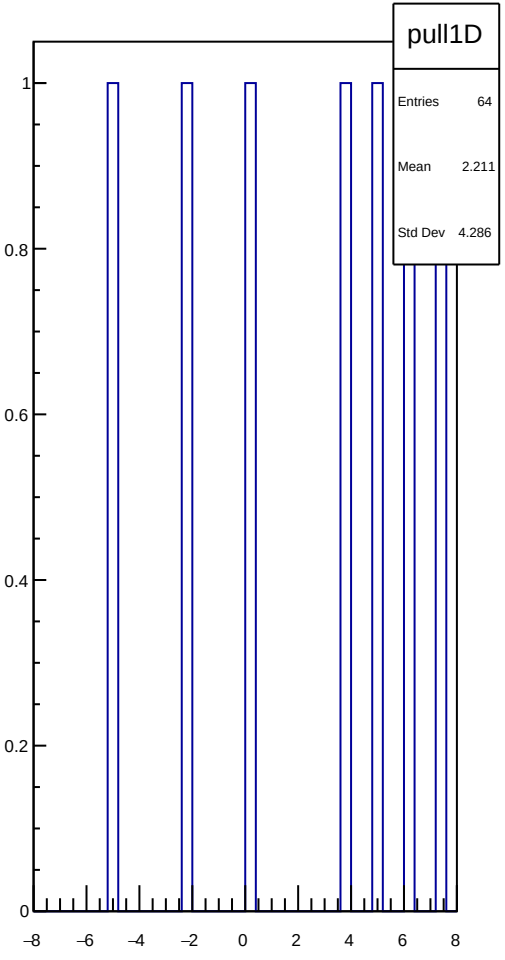

yield_bpm4acX_rms vs run
χ² / ndf 1.697e+05 / 63
p0 0.01814 ± 1.765e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

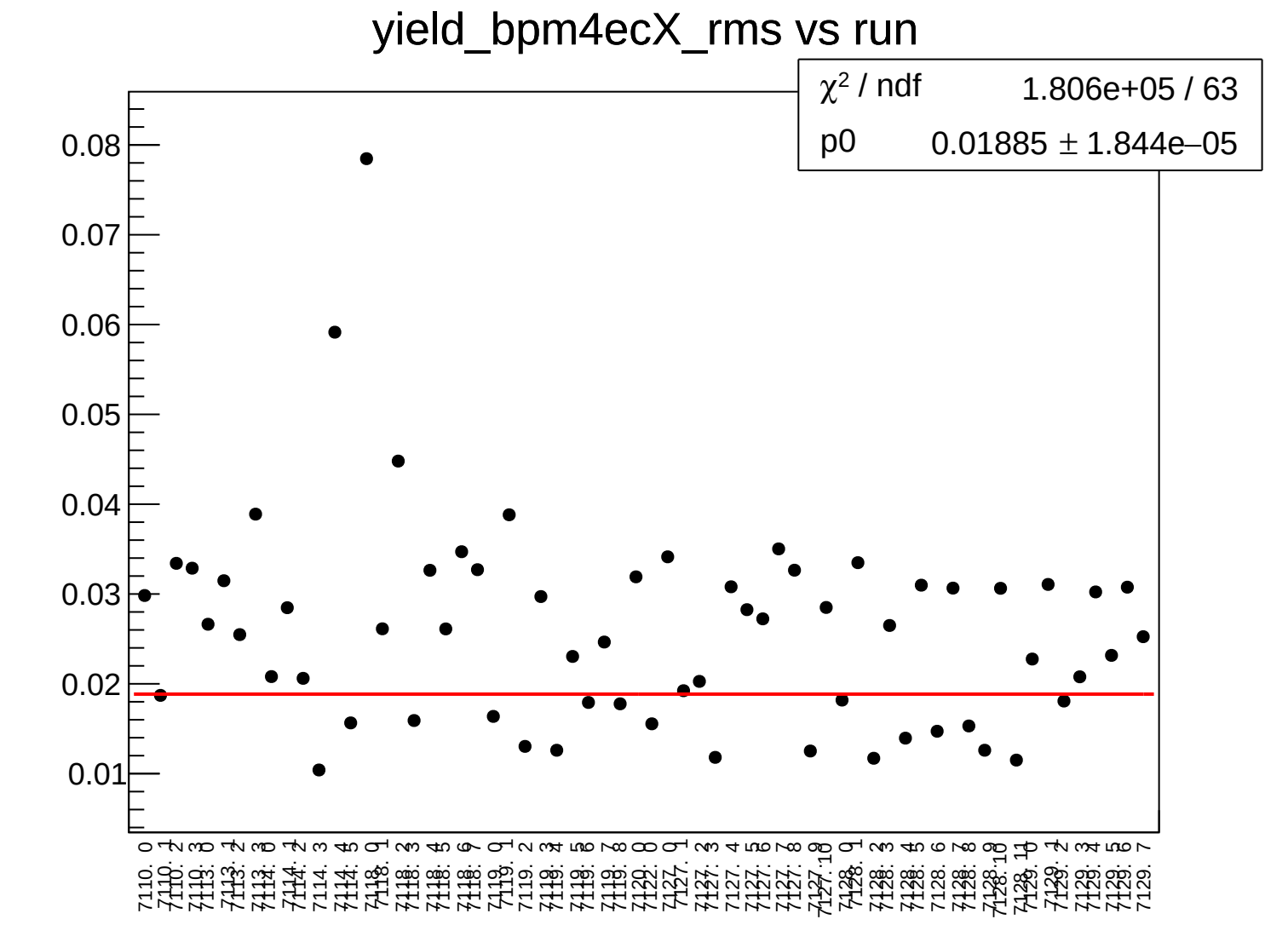

yield_bpm4acY_mean vs run
χ² / ndf 7.083e+04 / 63
p0 0.6123 ± 1.555e−05
0.625
0.62
0.615
0.61
0.605
0.6
pull
Entries 64
Mean 964.7
Std Dev 0
100
50
0
−50
−100

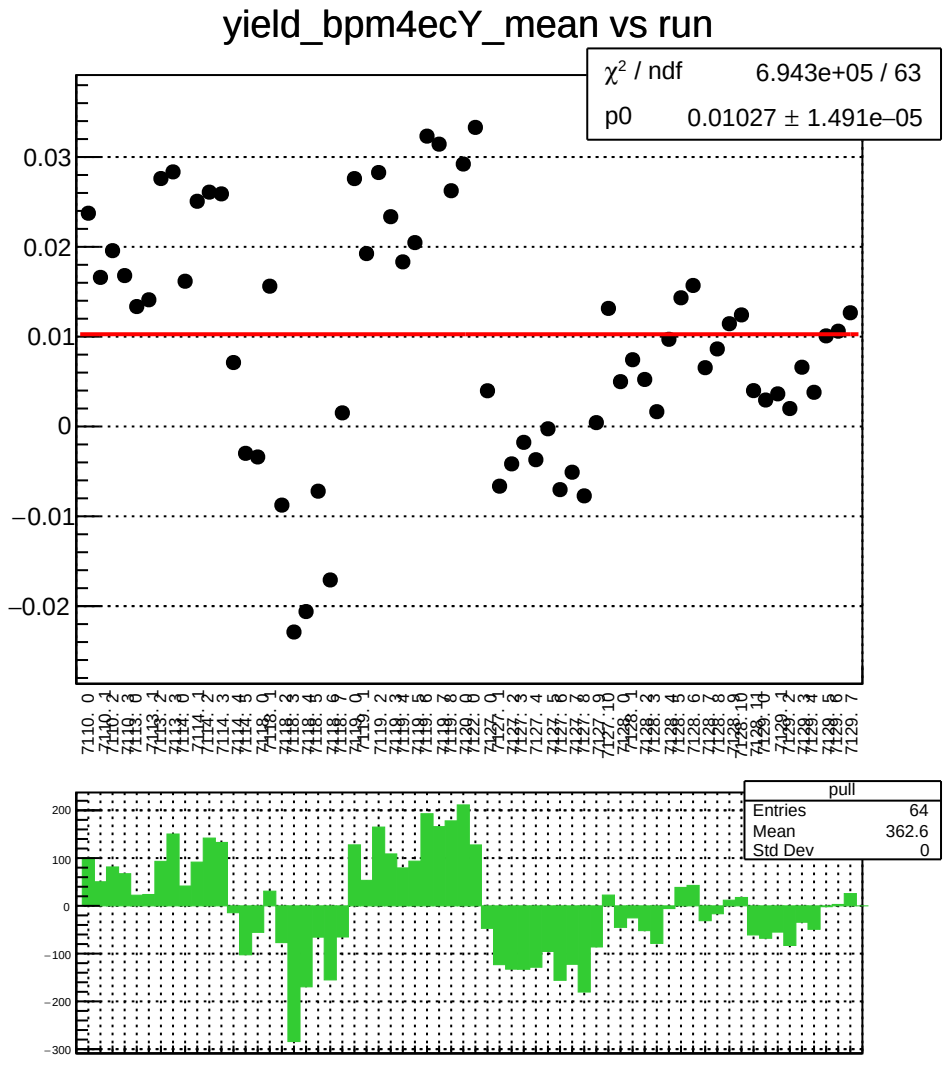

pull1D
Entries 64
Mean −0.9299
Std Dev 4.207
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

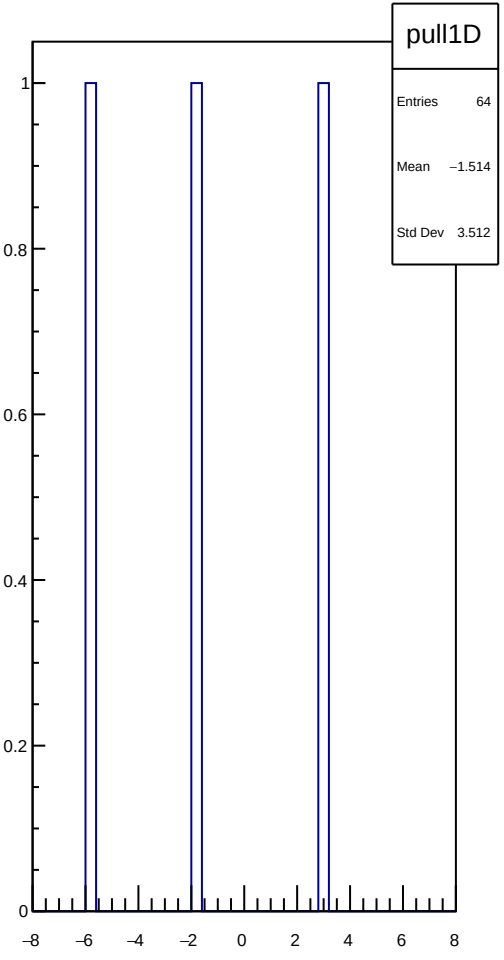

yield_bpm4acY_rms vs run
χ² / ndf 1.961e+04 / 63
p0 0.01208 ± 1.099e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

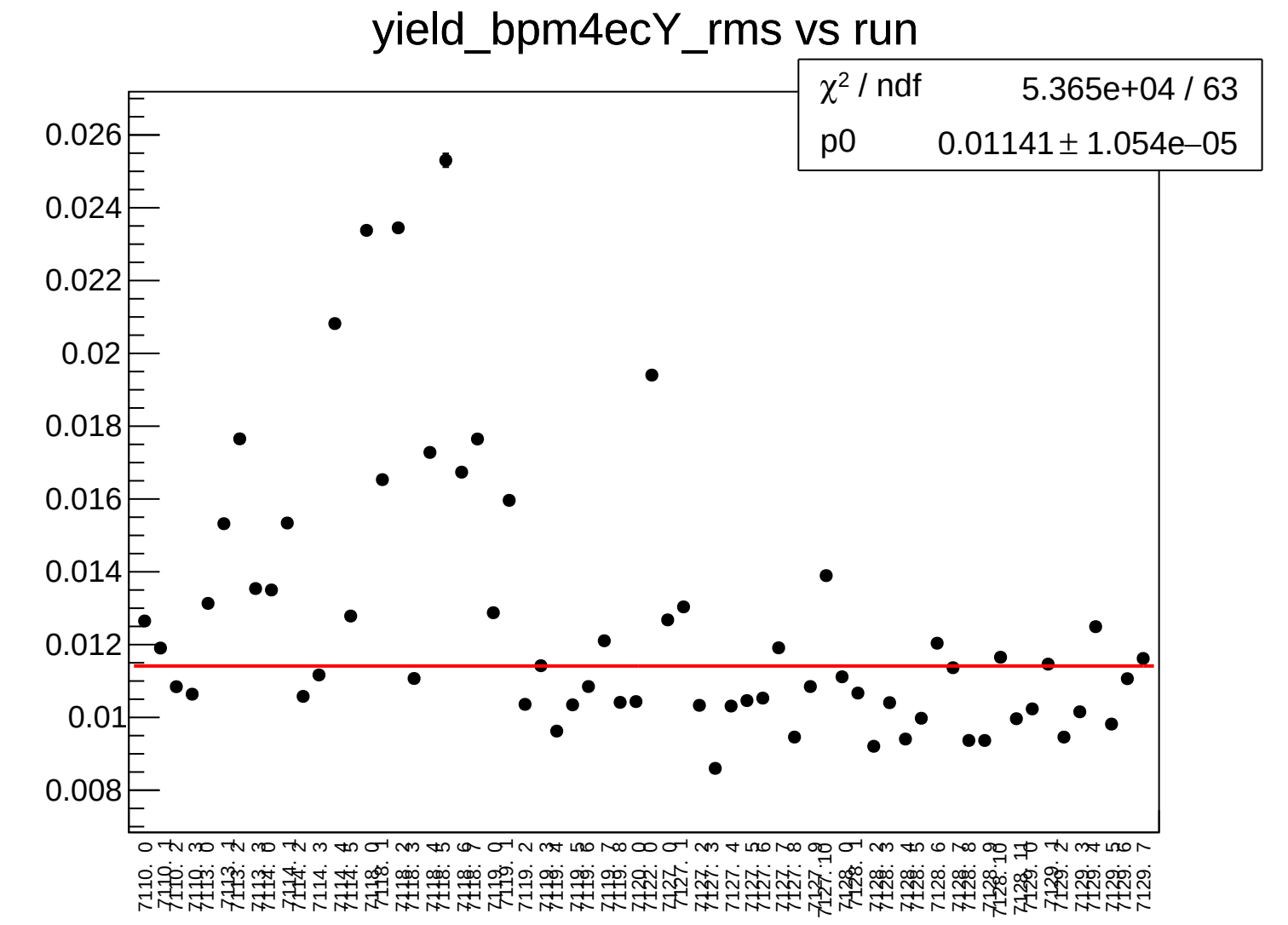

yield_bpm4ecX_mean vs run
χ² / ndf 1.789e+06 / 63
p0 −0.2909 ± 2.607e−05
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 64
Mean −9.596
Std Dev 0
800
600
400
200
0
−200

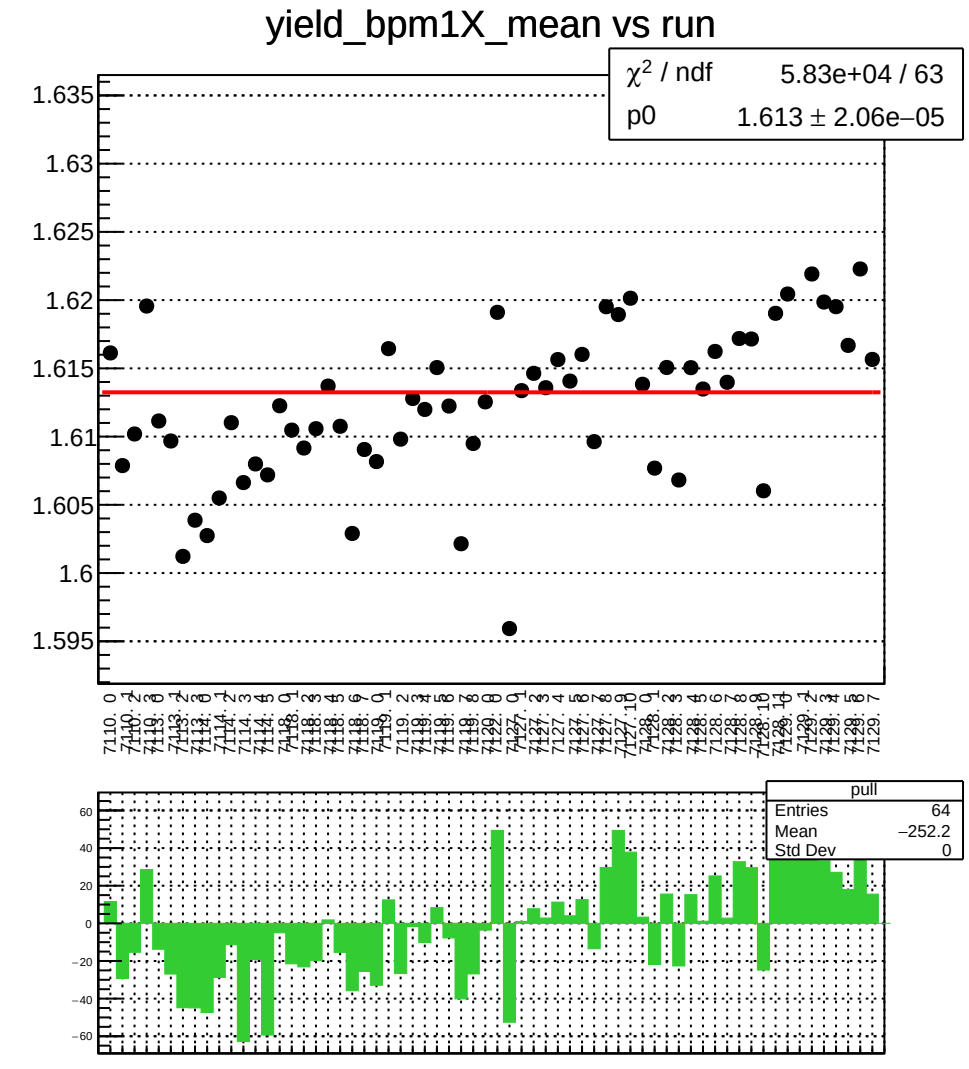

pull1D
Entries 64
Mean 2.211
Std Dev 4.286
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

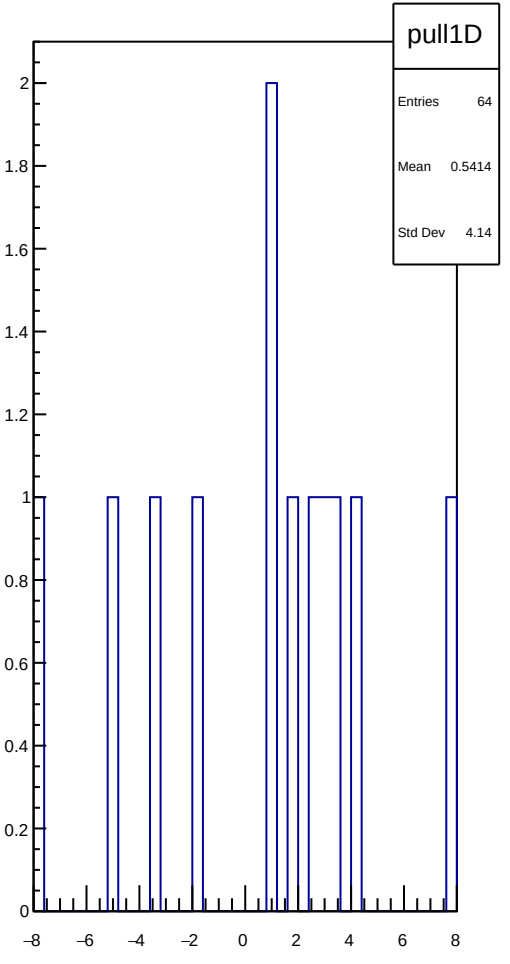

yield_bpm4ecX_rms vs run
χ² / ndf 1.806e+05 / 63
p0 0.01885 ± 1.844e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

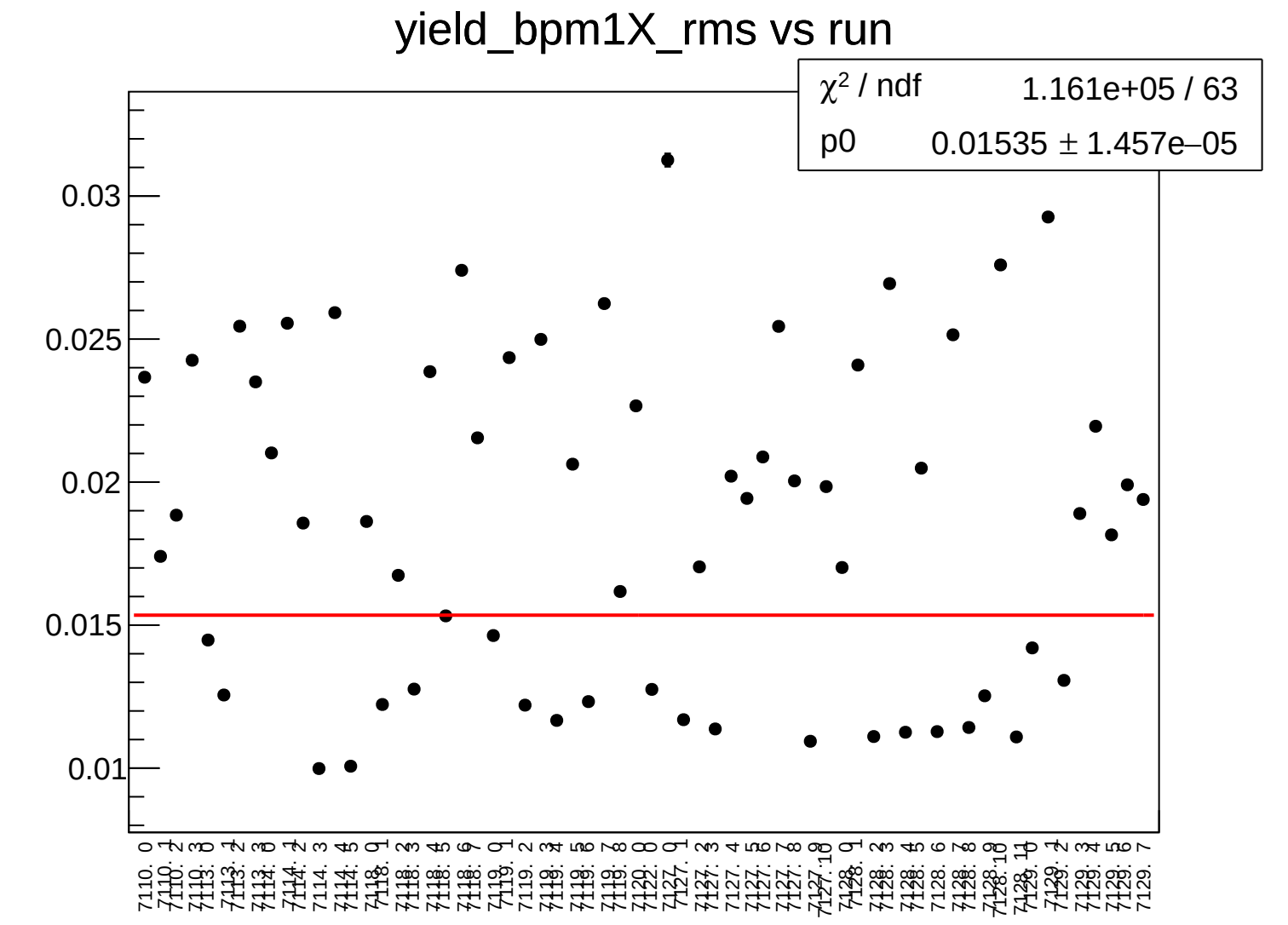

yield_bpm4ecY_mean vs run
χ² / ndf 6.943e+05 / 63
p0 0.01027 ± 1.491e−05
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 64
Mean 362.6
Std Dev 0
200
100
0
−100
−200
−300

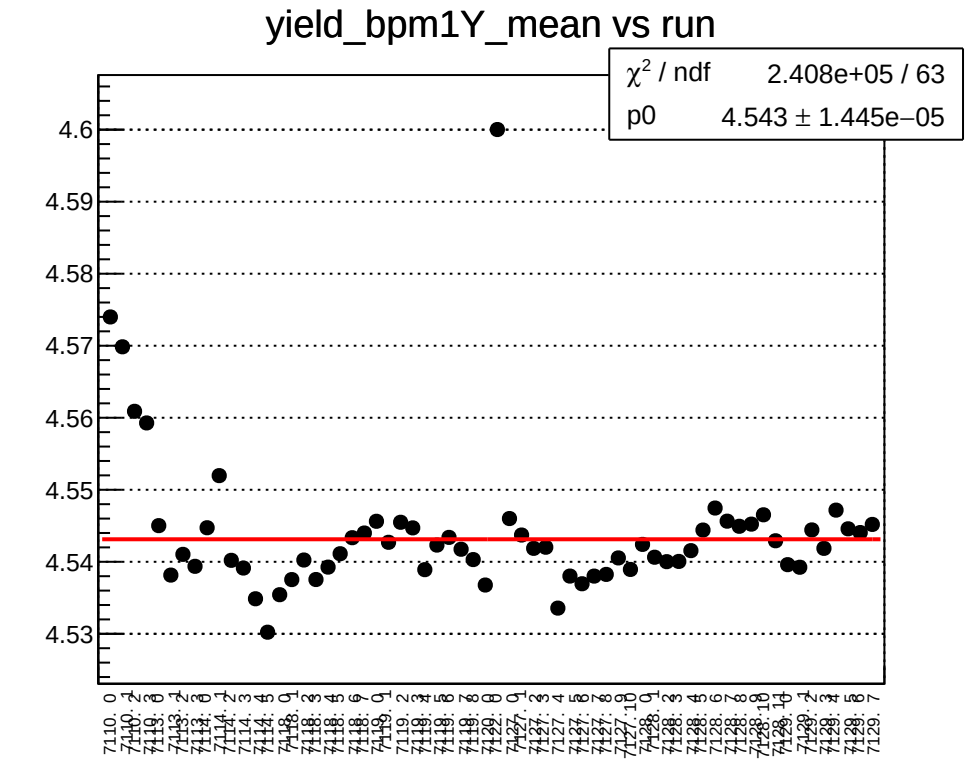

pull1D
Entries 64
Mean −1.514
Std Dev 3.512
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

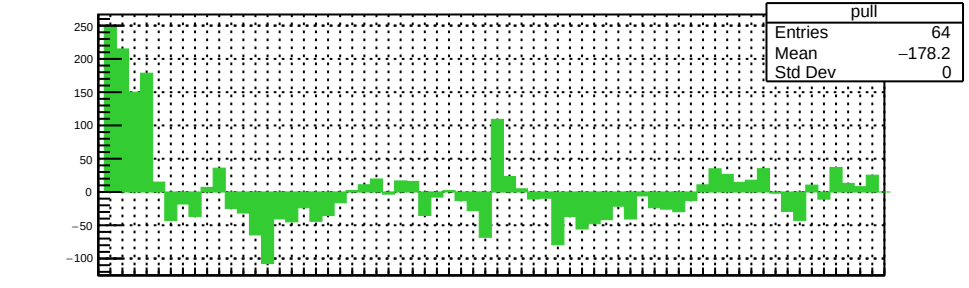

yield_bpm4ecY_rms vs run
χ^2 / ndf 5.365e+04 / 63
p0 0.01141 ± 1.054e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

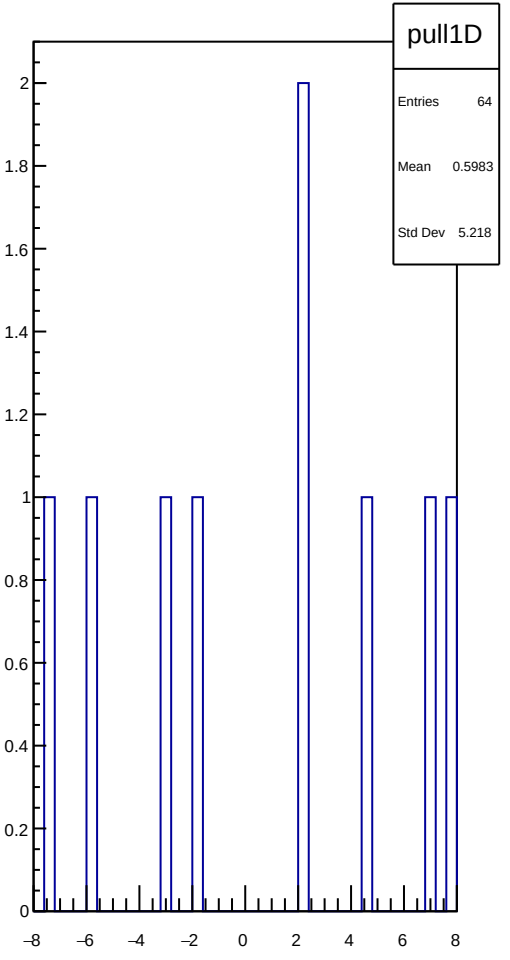

yield_bpm1X_mean vs run
χ² / ndf 5.83e+04 / 63
p0 1.613 ± 2.06e−05
1.635
1.63
1.625
1.62
1.615
1.61
1.605
1.6
1.595
pull
Entries 64
Mean −252.2
Std Dev 0
60
40
20
0
−20
−40
−60

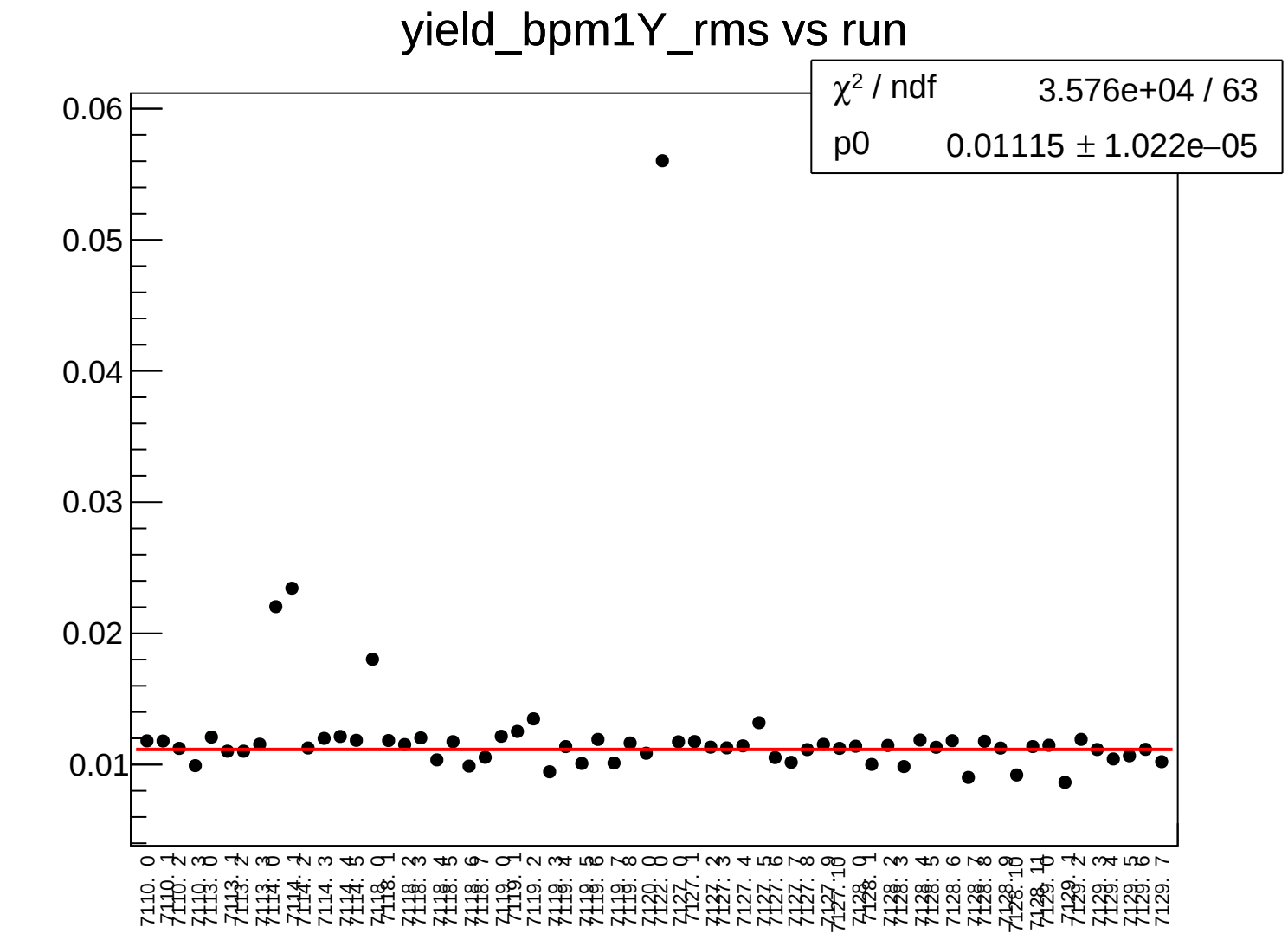

pull1D
Entries 64
Mean 0.5414
Std Dev 4.14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

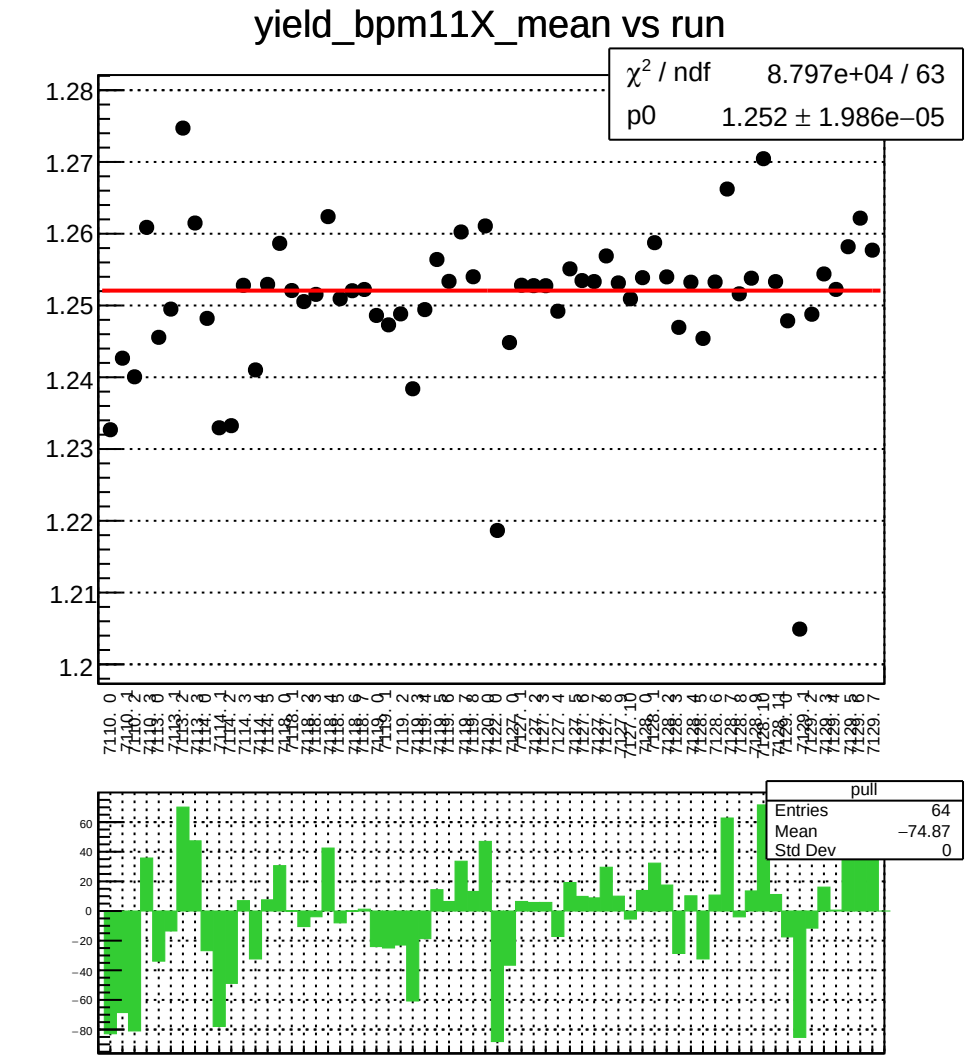

yield_bpm1X_rms vs run
χ² / ndf 1.161e+05 / 63
p0 0.01535 ± 1.457e–05
0.03
0.025
0.02
0.015
0.01

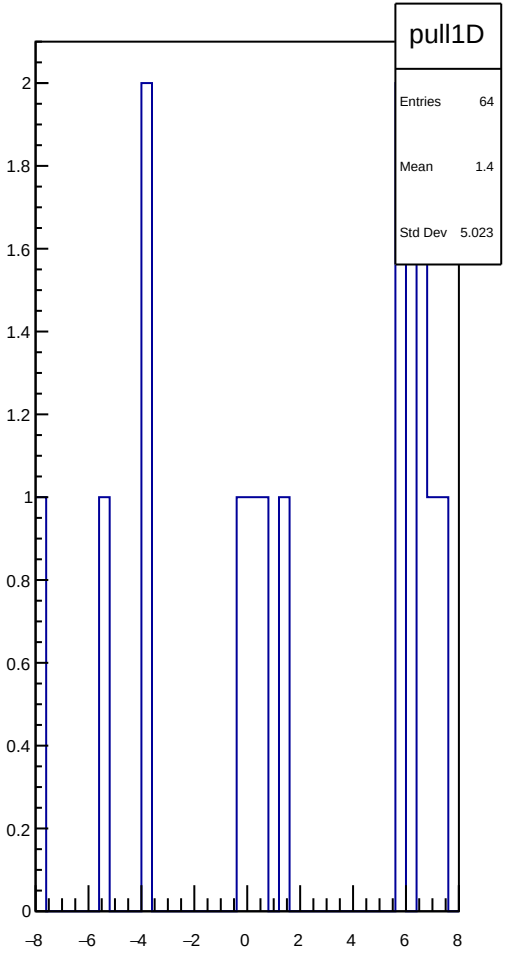

yield_bpm1Y_mean vs run
χ² / ndf 2.408e+05 / 63
p0 4.543 ± 1.445e−05
4.6
4.59
4.58
4.57
4.56
4.55
4.54
4.53

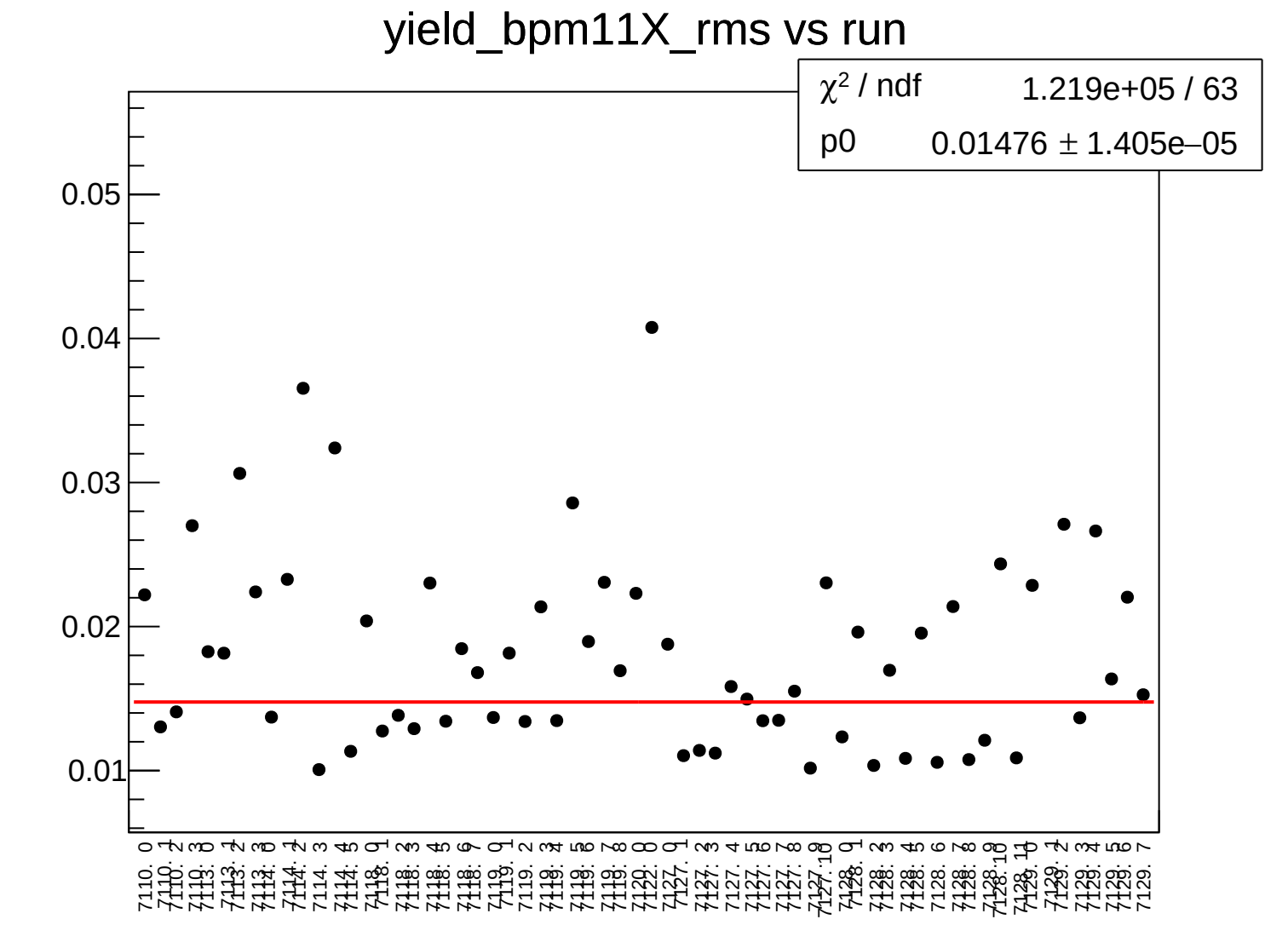

pull
Entries 64
Mean −178.2
Std Dev 0
250
200
150
100
50
0
−50
−100

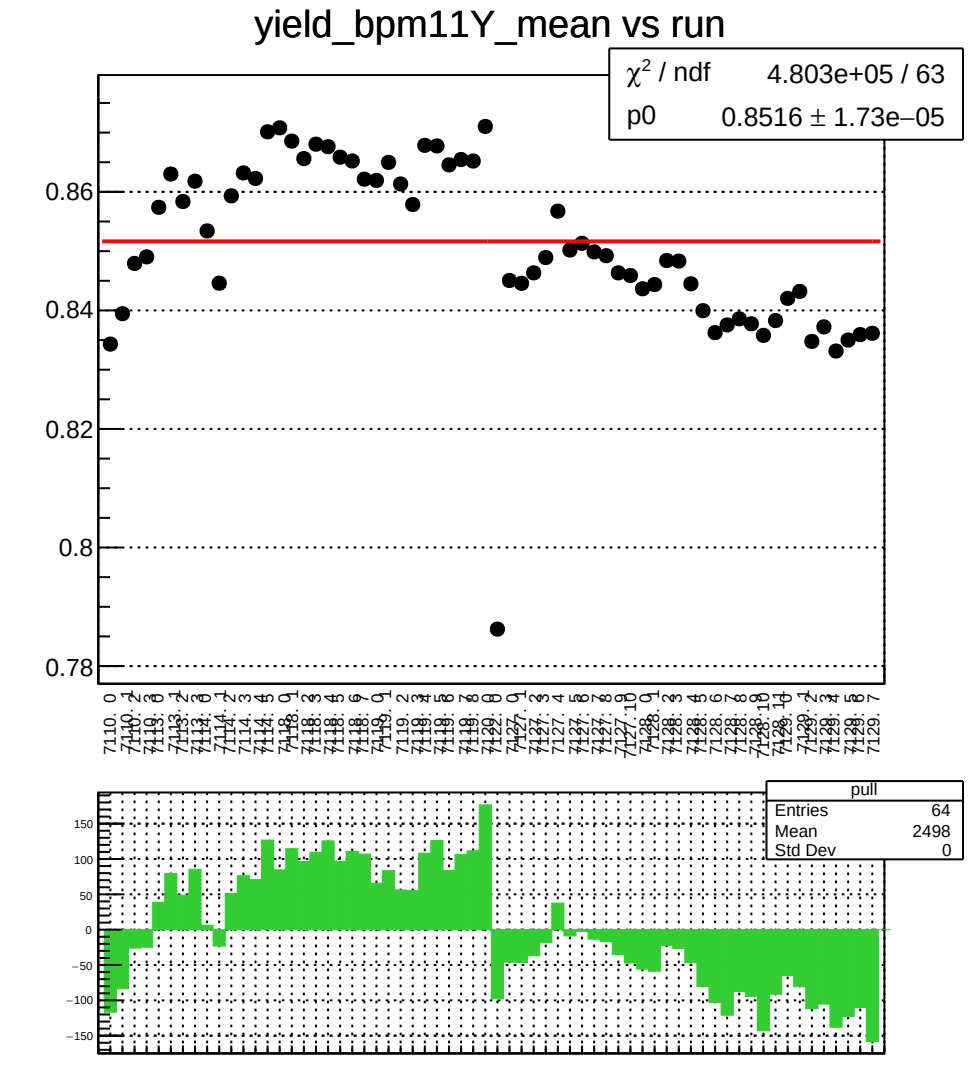

pull1D
Entries 64
Mean 0.5983
Std Dev 5.218
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

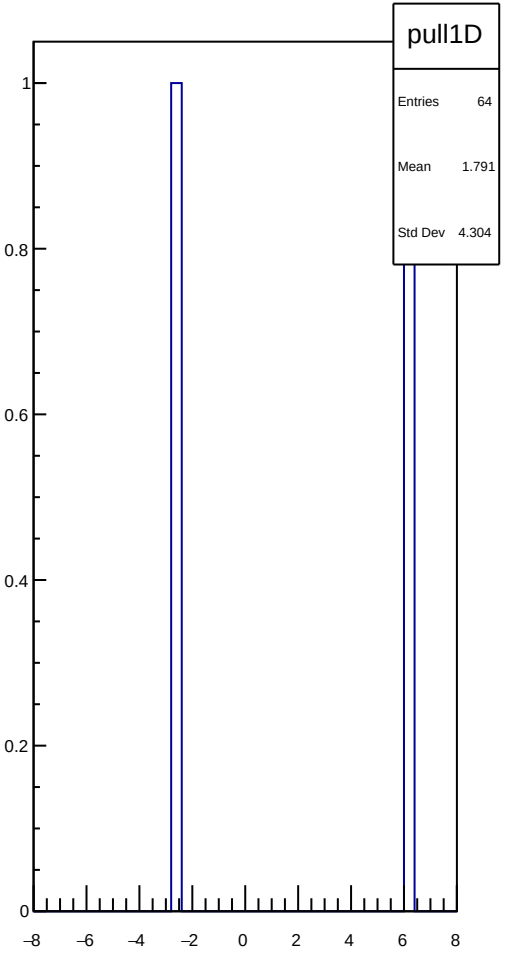

yield_bpm1Y_rms vs run
χ² / ndf 3.576e+04 / 63
p0 0.01115 ± 1.022e–05
0.06
0.05
0.04
0.03
0.02
0.01

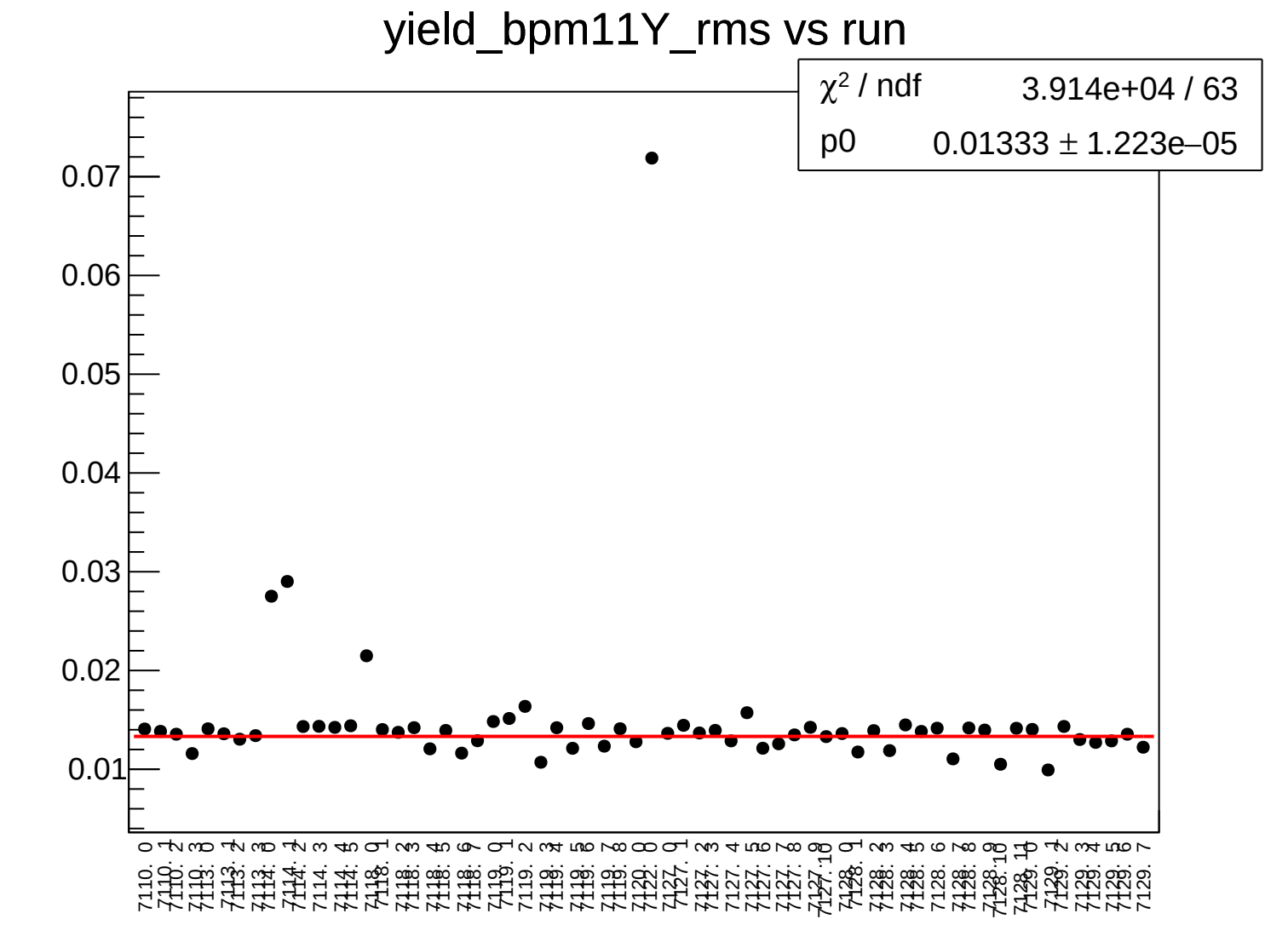

yield_bpm11X_mean vs run
χ² / ndf 8.797e+04 / 63
p0 1.252 ± 1.986e−05
pull
Entries 64
Mean −74.87
Std Dev 0

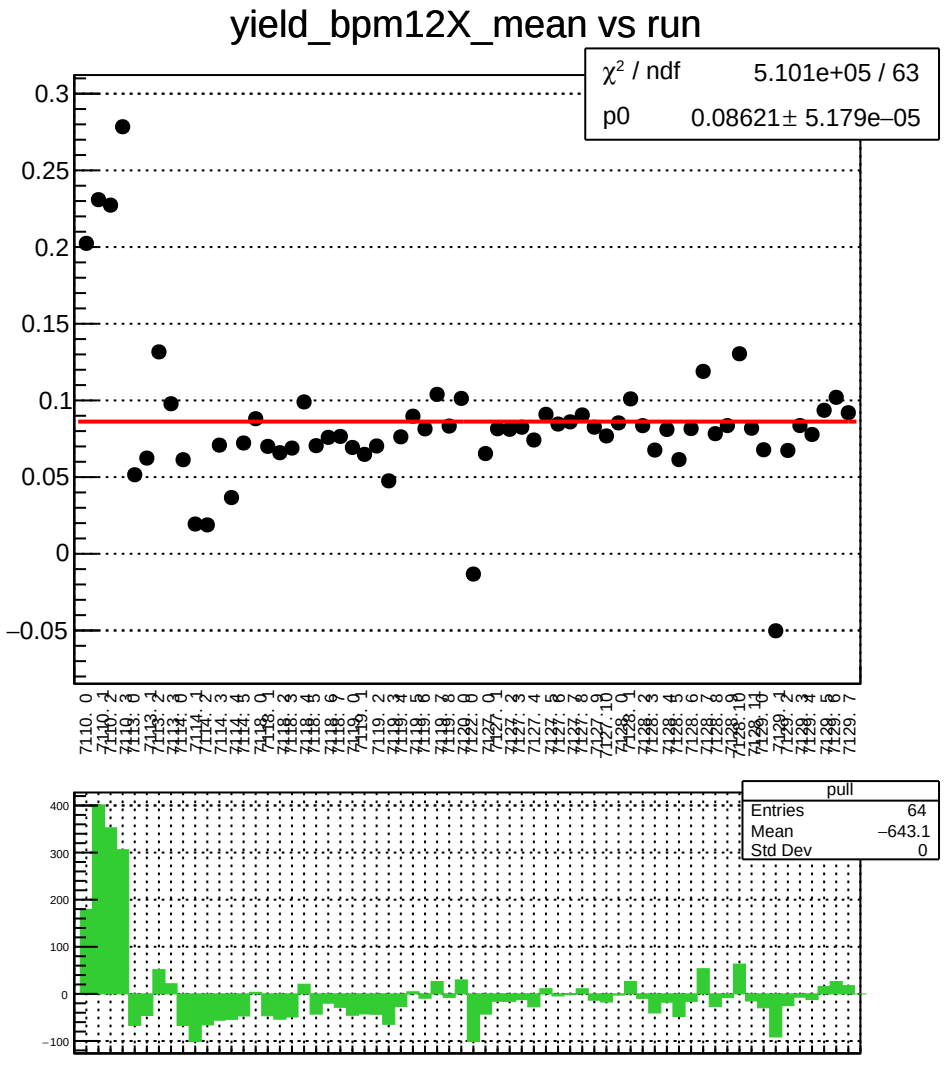

pull1D
Entries 64
Mean 1.4
Std Dev 5.023

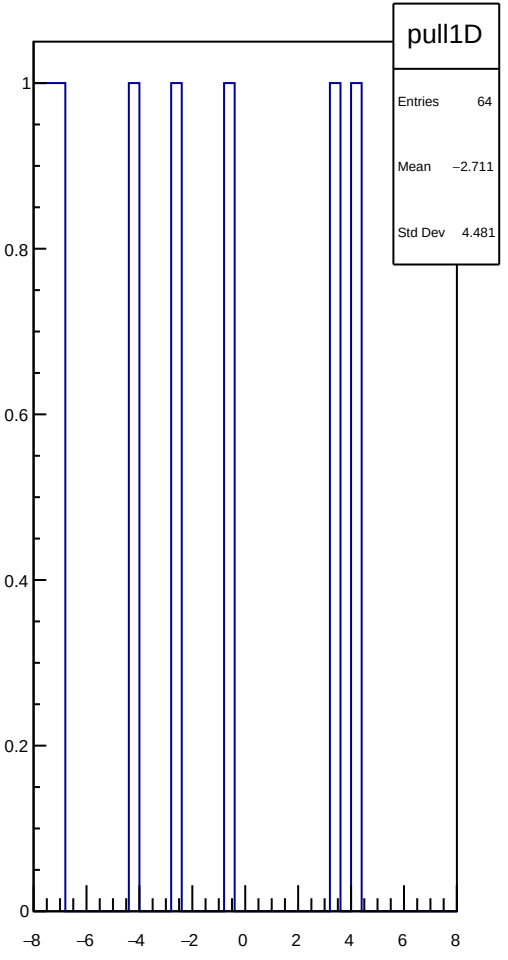

yield_bpm11X_rms vs run
χ² / ndf 1.219e+05 / 63
p0 0.01476 ± 1.405e−05
0.05
0.04
0.03
0.02
0.01

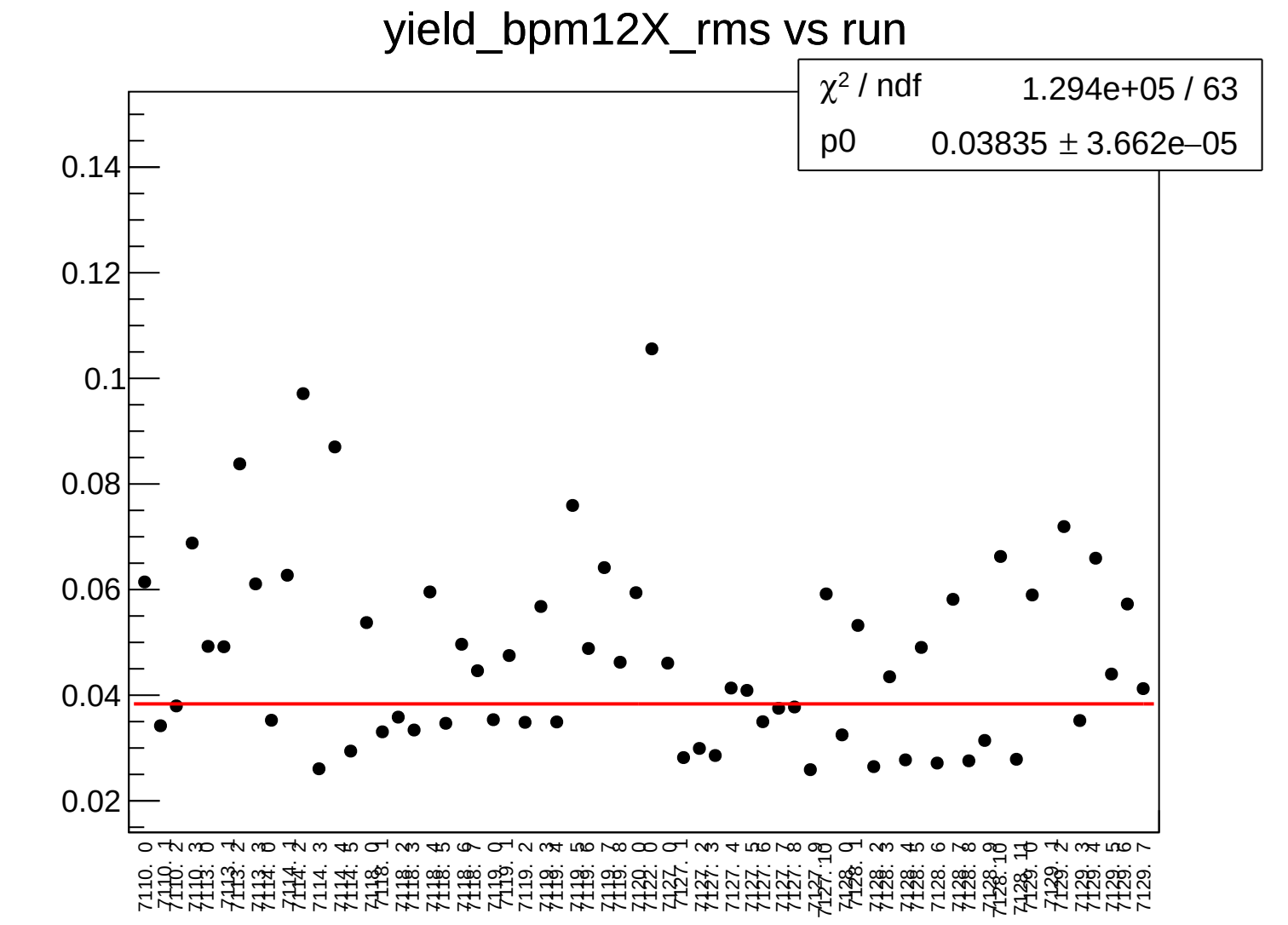

yield_bpm11Y_mean vs run
χ² / ndf 4.803e+05 / 63
p0 0.8516 ± 1.73e−05
0.86
0.84
0.82
0.8
0.78
pull
Entries 64
Mean 2498
Std Dev 0
150
100
50
0
−50
−100
−150

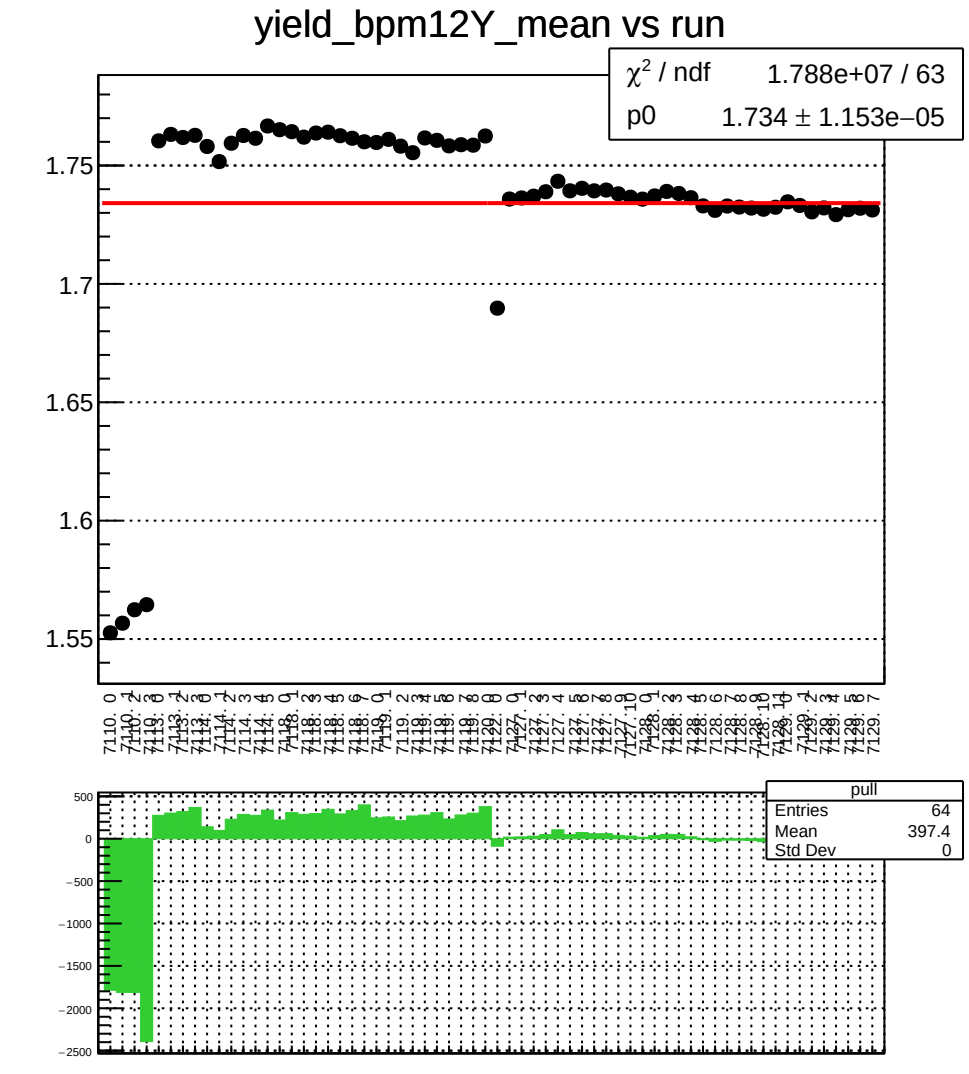

pull1D
Entries 64
Mean 1.791
Std Dev 4.304
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

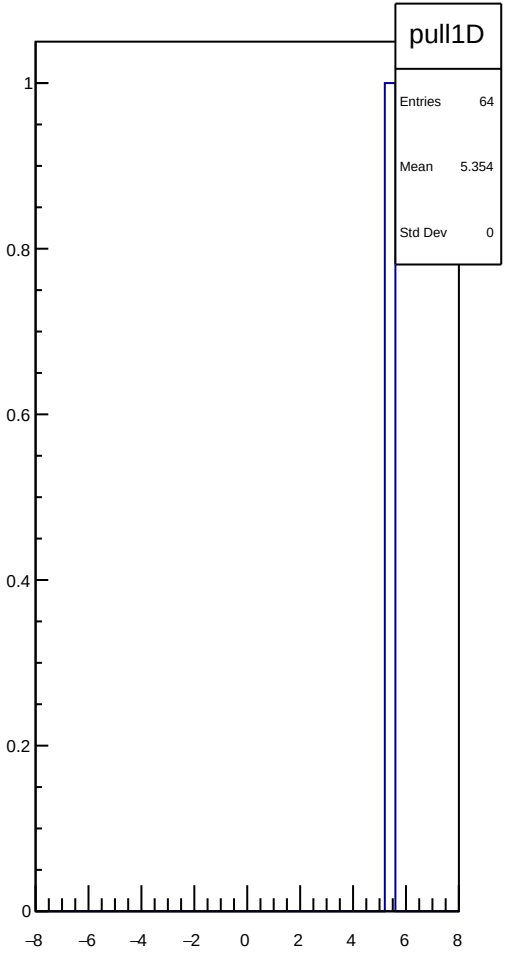

yield_bpm11Y_rms vs run
χ² / ndf 3.914e+04 / 63
p0 0.01333 ± 1.223e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

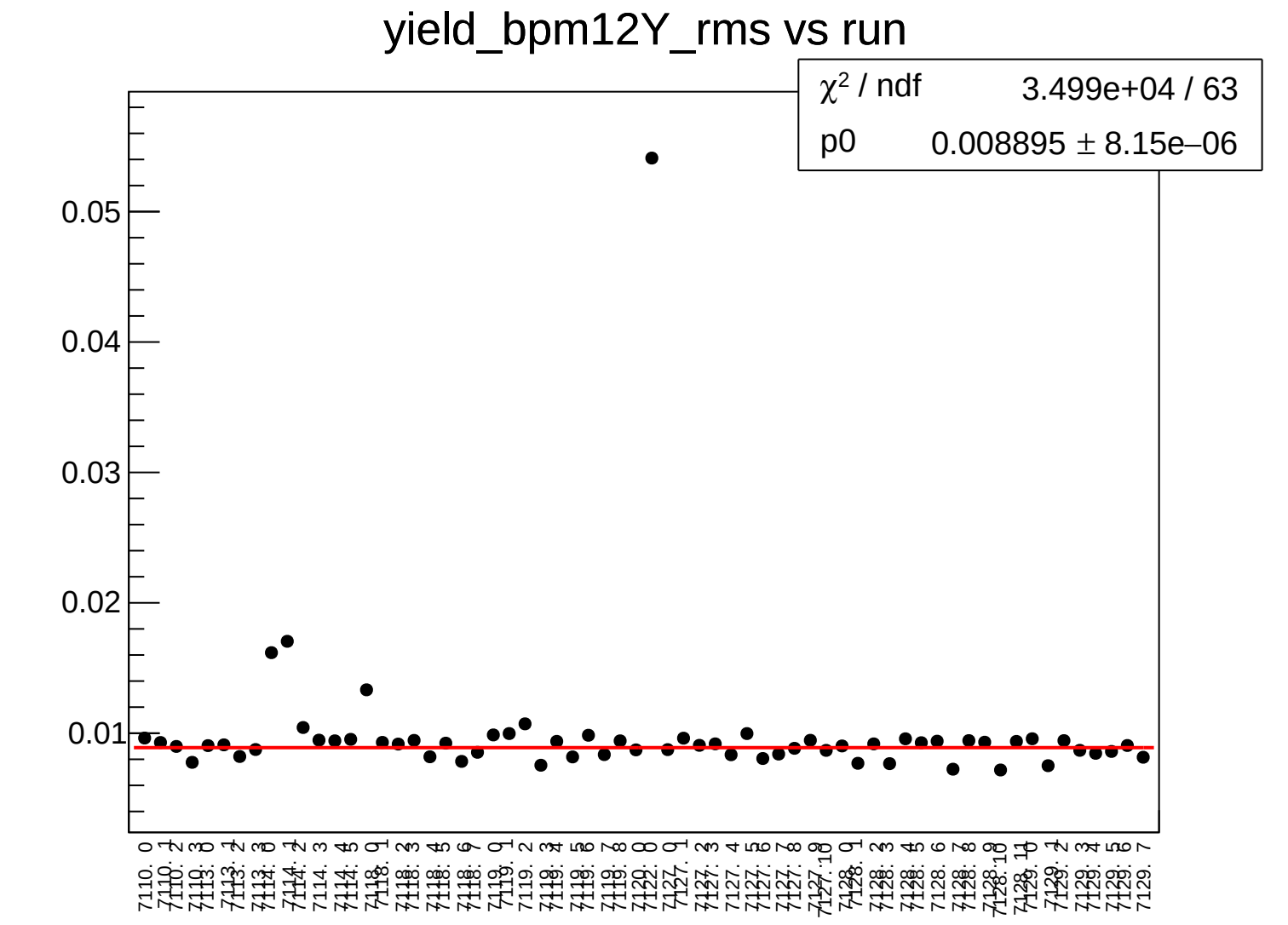

yield_bpm12X_mean vs run
χ² / ndf 5.101e+05 / 63
p0 0.08621± 5.179e−05
pull
Entries 64
Mean −643.1
Std Dev 0

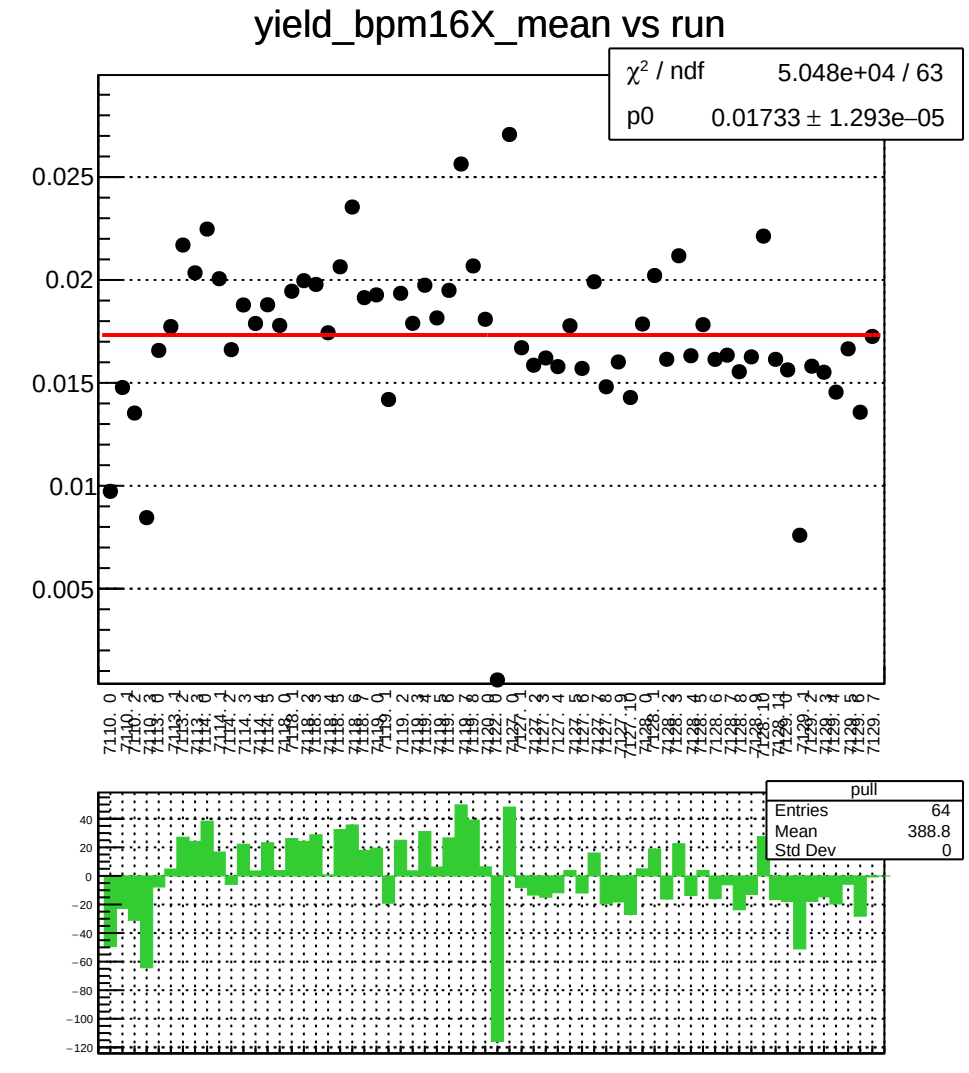

pull1D
Entries 64
Mean −2.711
Std Dev 4.481

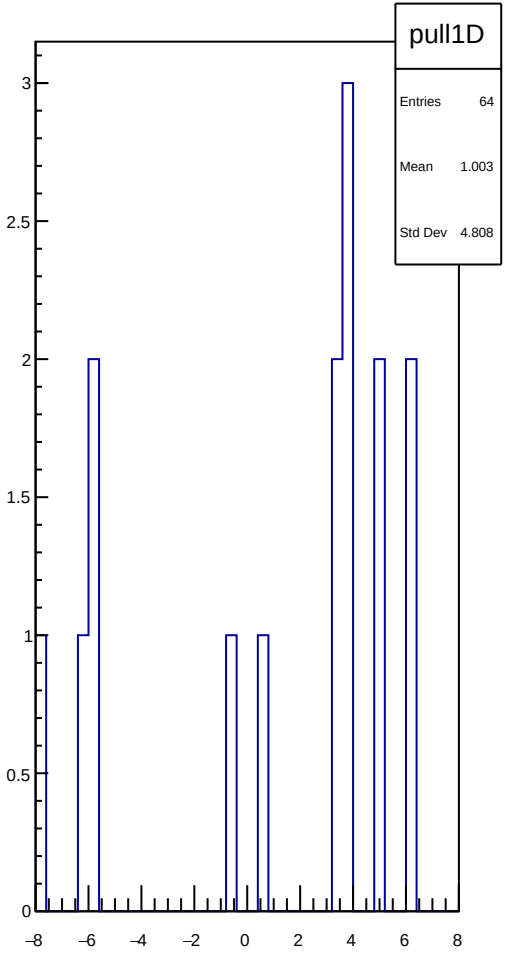

yield_bpm12X_rms vs run
χ² / ndf 1.294e+05 / 63
p0 0.03835 ± 3.662e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

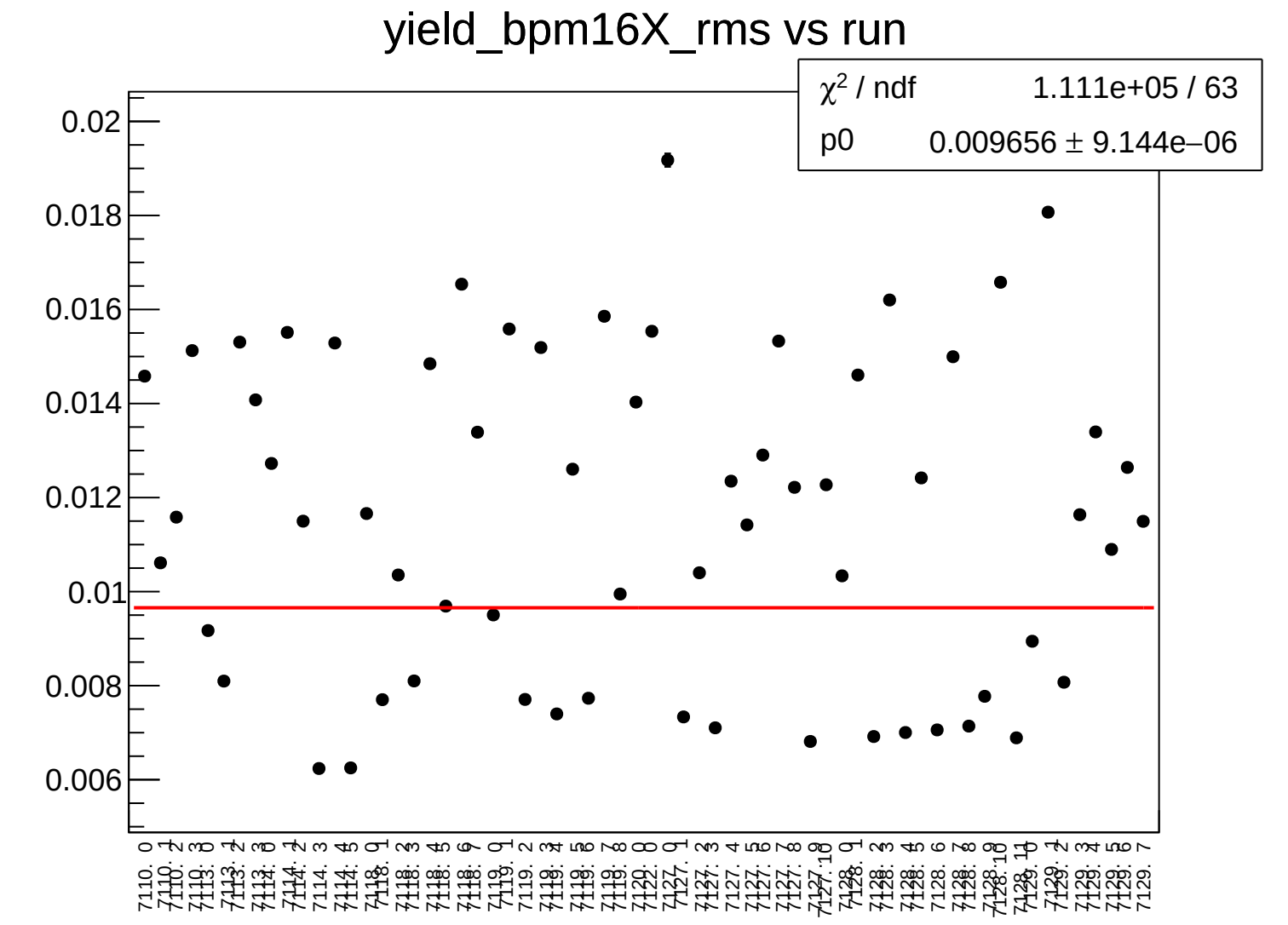

yield_bpm12Y_mean vs run
χ² / ndf 1.788e+07 / 63
p0 1.734 ± 1.153e−05
1.75
1.7
1.65
1.6
1.55
pull
Entries 64
Mean 397.4
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

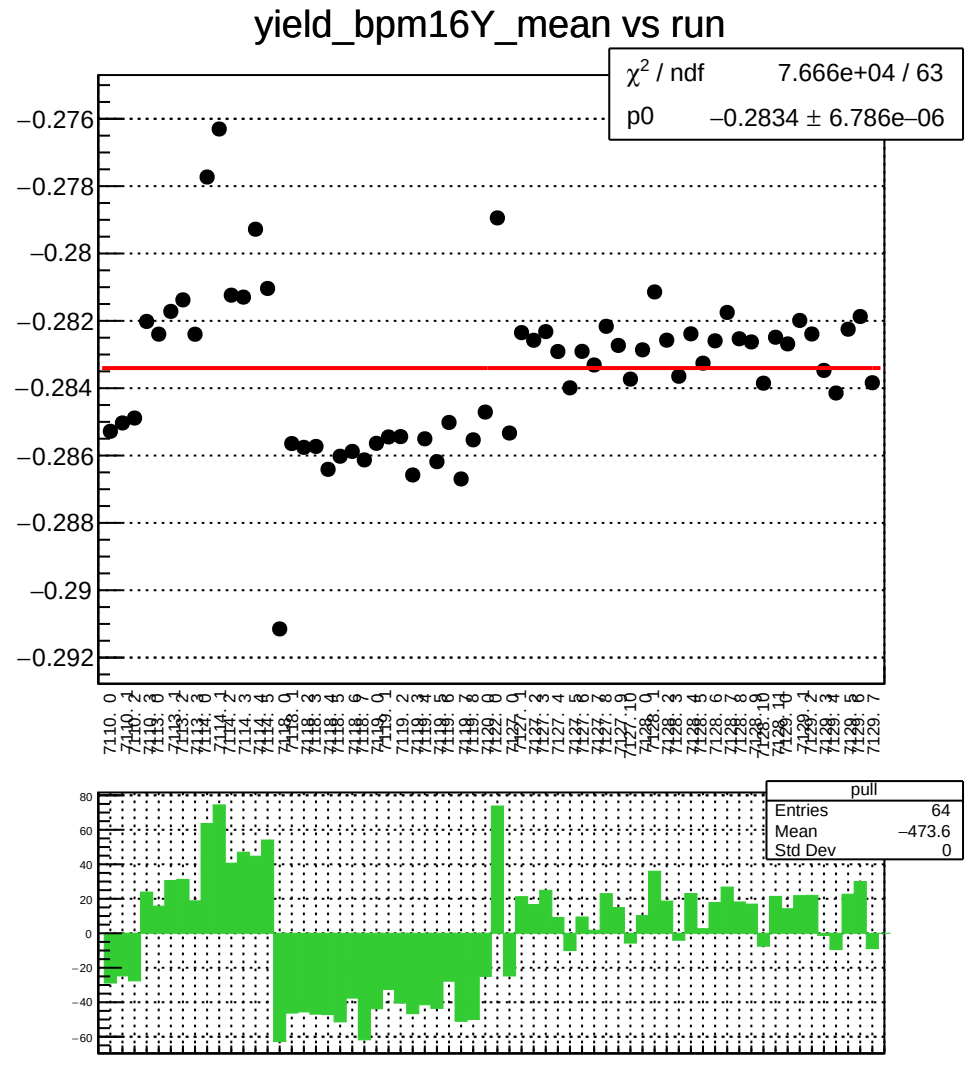

pull1D
Entries 64
Mean 5.354
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

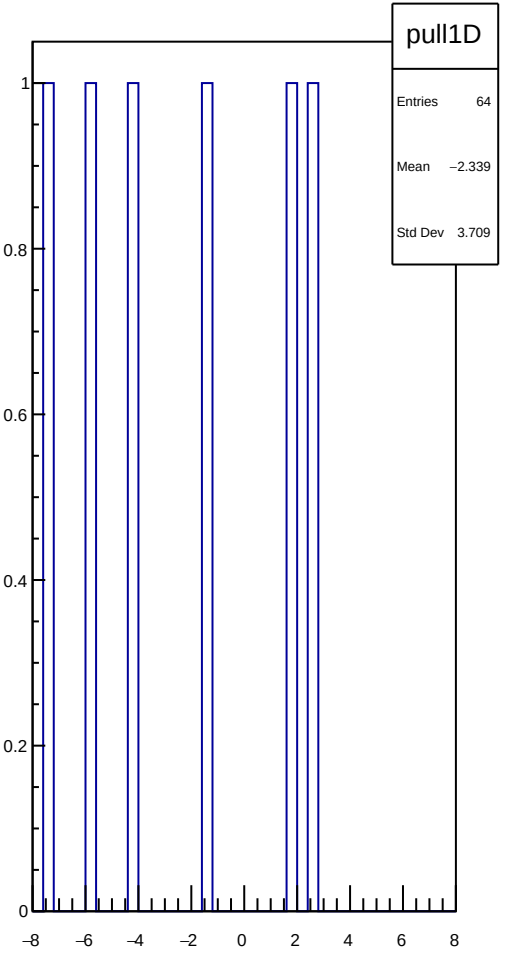

yield_bpm12Y_rms vs run
χ² / ndf 3.499e+04 / 63
p0 0.008895 ± 8.15e−06
0.05
0.04
0.03
0.02
0.01

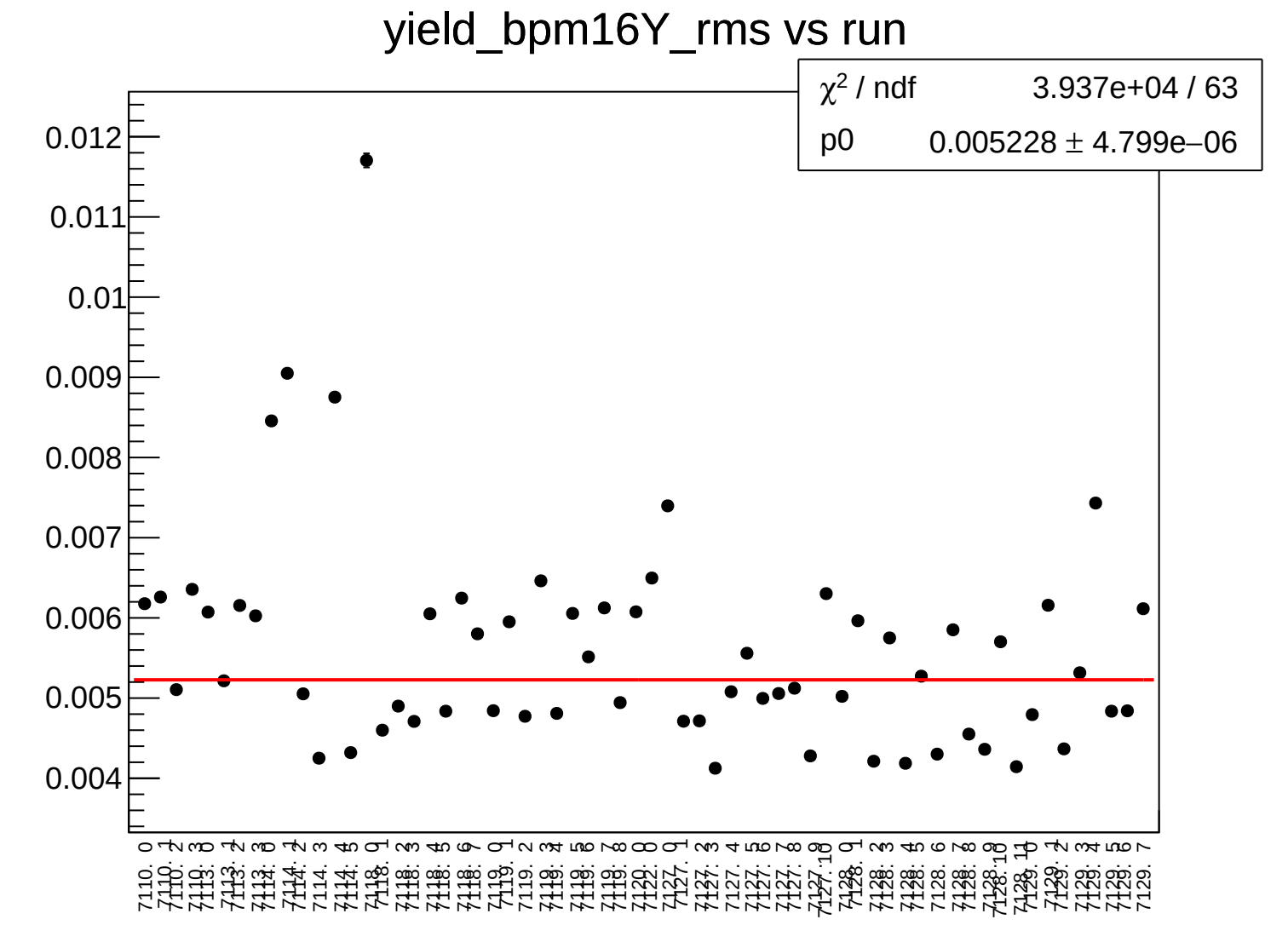

yield_bpm16X_mean vs run
χ² / ndf 5.048e+04 / 63
p0 0.01733 ± 1.293e−05
0.025
0.02
0.015
0.01
0.005
pull
Entries 64
Mean 388.8
Std Dev 0
40
20
0
−20
−40
−60
−80
−100
−120

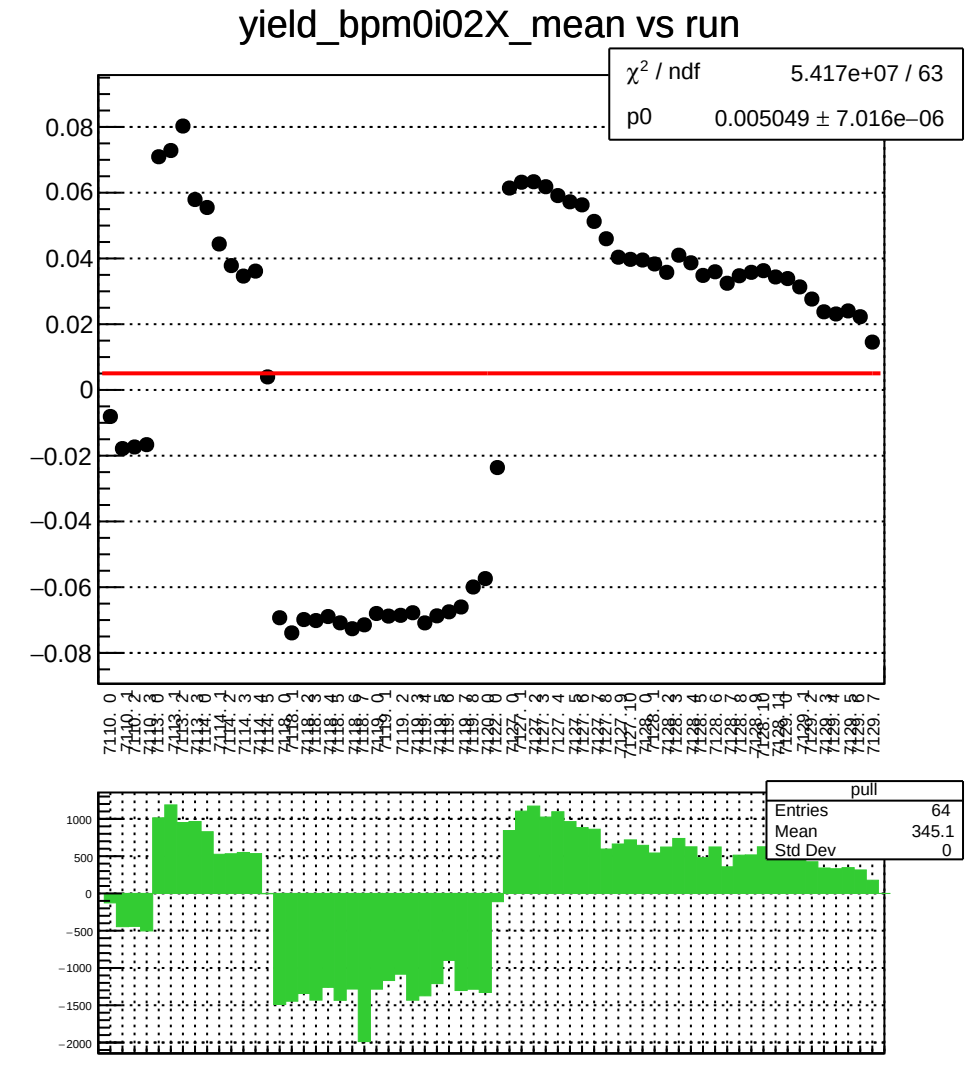

pull1D
Entries 64
Mean 1.003
Std Dev 4.808
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

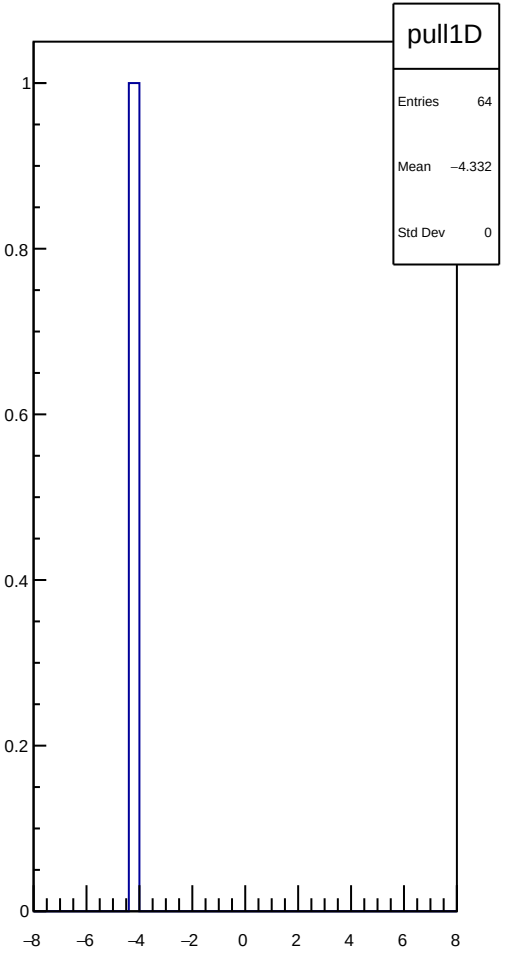

yield_bpm16X_rms vs run
χ² / ndf 1.111e+05 / 63
p0 0.009656 ± 9.144e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

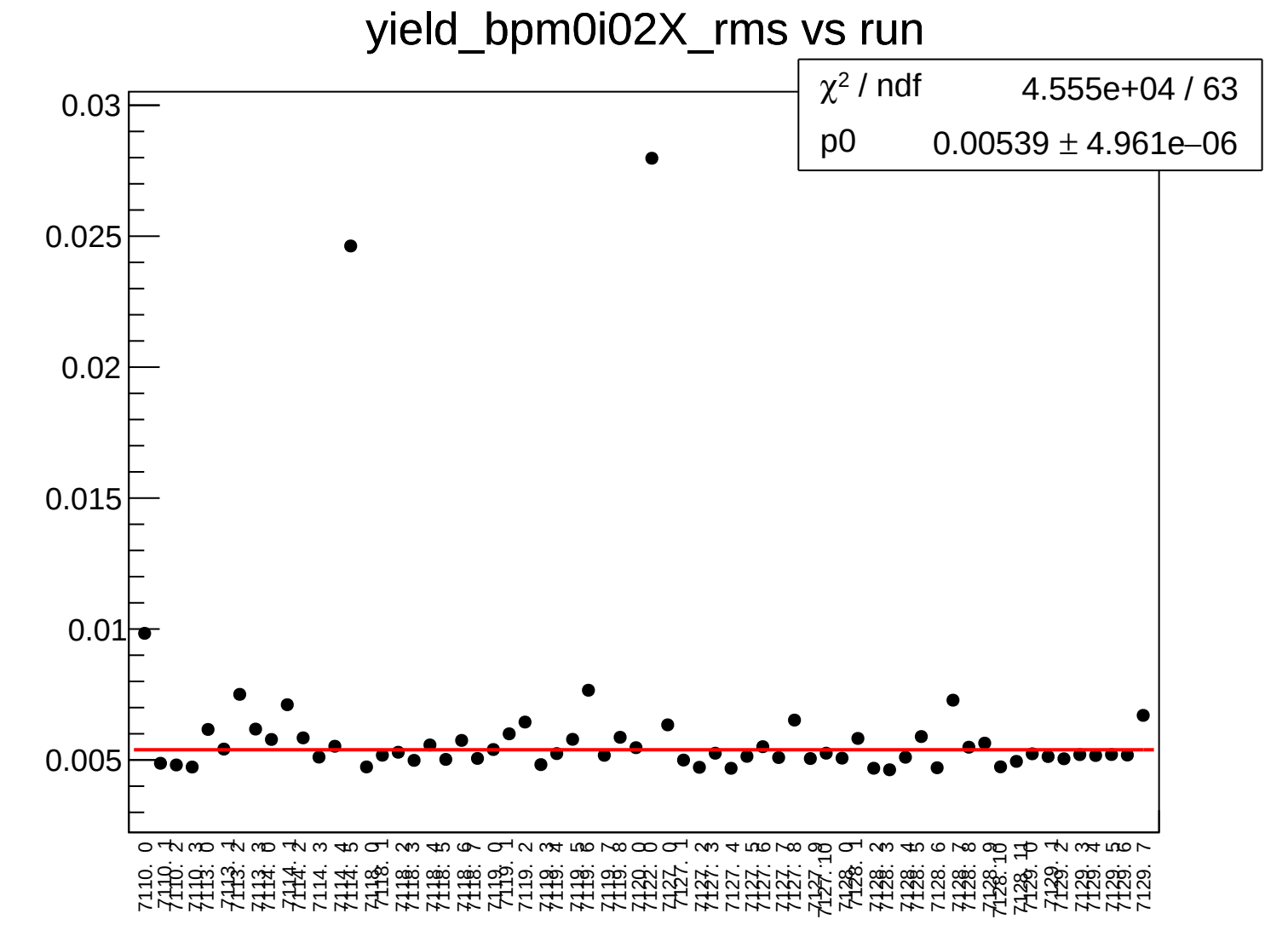

yield_bpm16Y_mean vs run
χ² / ndf 7.666e+04 / 63
p0 −0.2834 ± 6.786e−06
−0.276
−0.278
−0.28
−0.282
−0.284
−0.286
−0.288
−0.29
−0.292
pull
Entries 64
Mean −473.6
Std Dev 0
80
60
40
20
0
−20
−40
−60

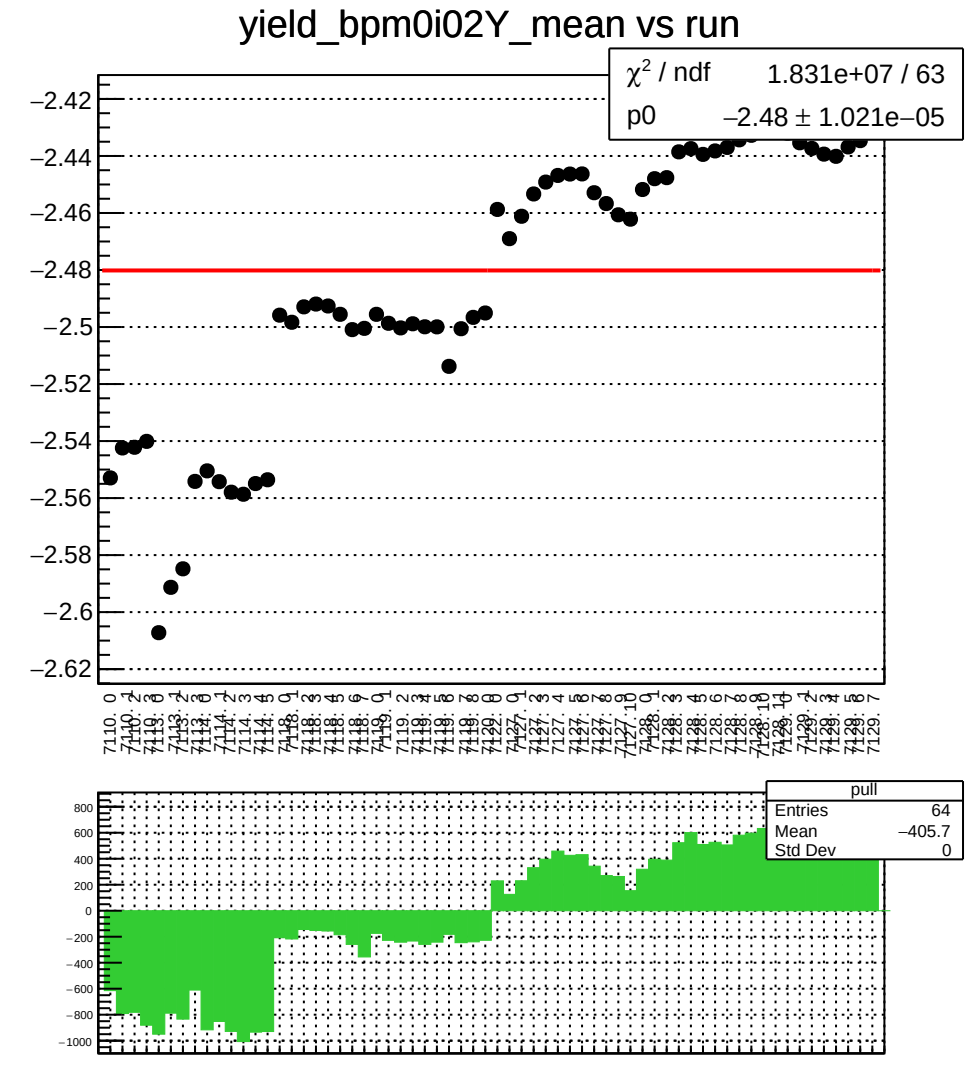

pull1D
Entries 64
Mean −2.339
Std Dev 3.709
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

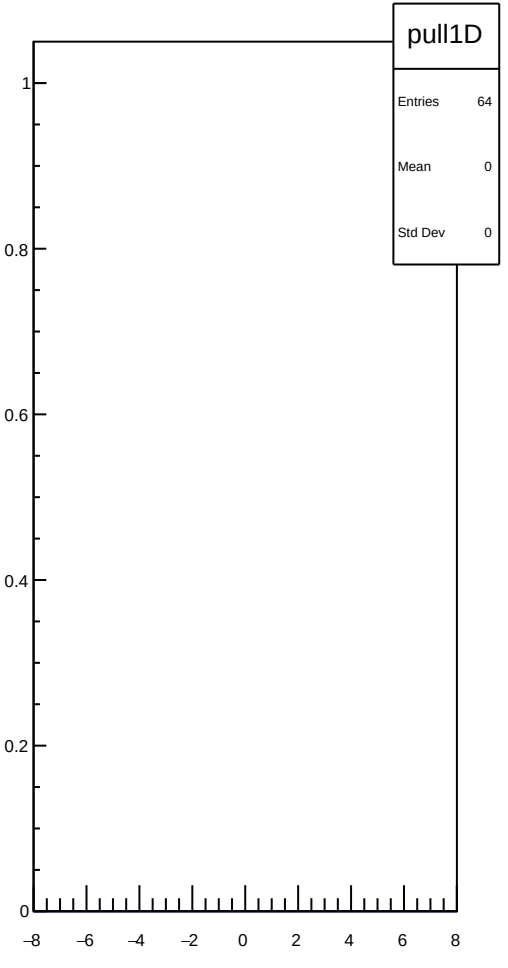

yield_bpm16Y_rms vs run
χ² / ndf 3.937e+04 / 63
p0 0.005228 ± 4.799e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

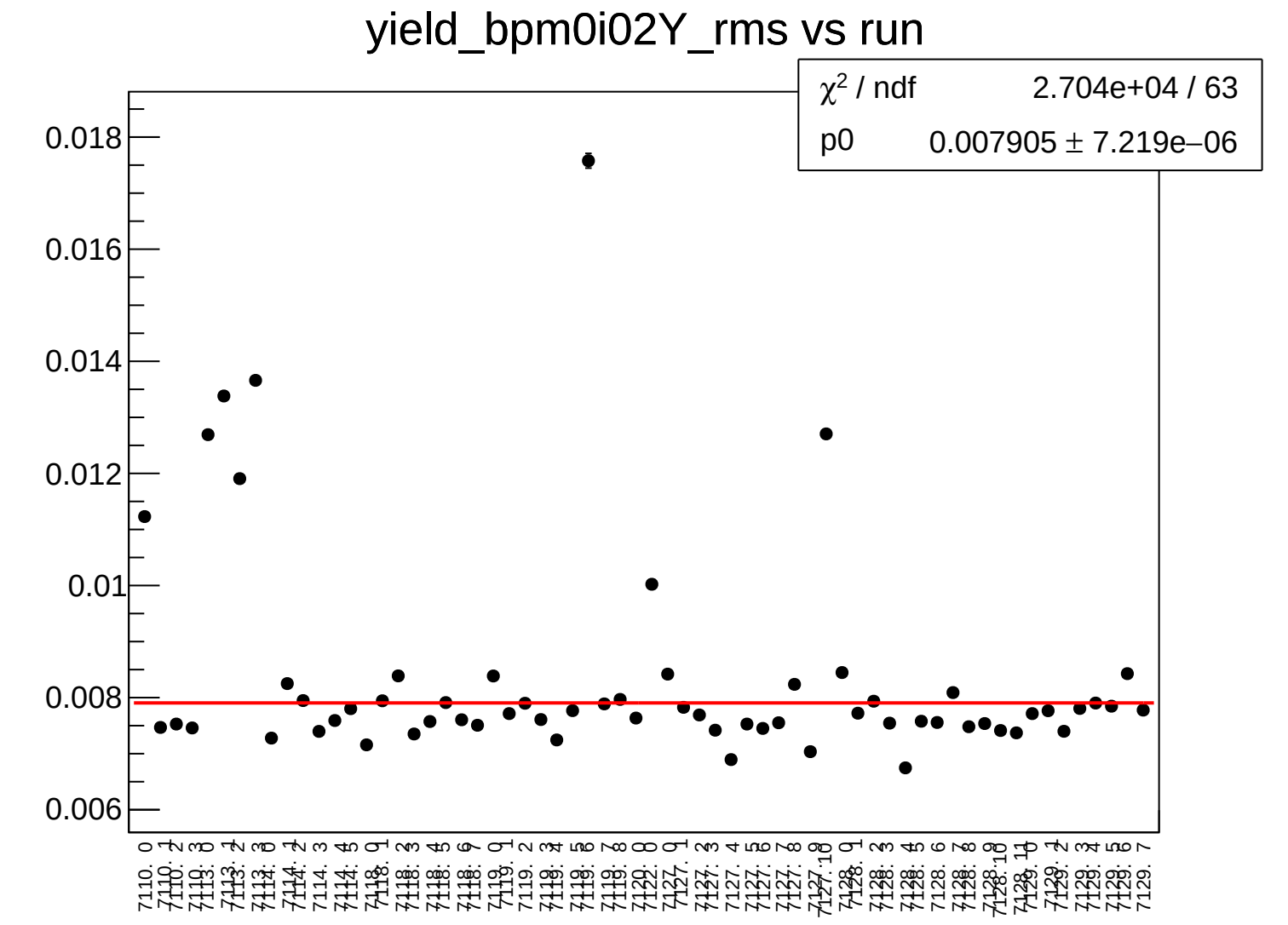

yield_bpm0i02X_mean vs run
χ² / ndf 5.417e+07 / 63
p0 0.005049 ± 7.016e−06
pull
Entries 64
Mean 345.1
Std Dev 0

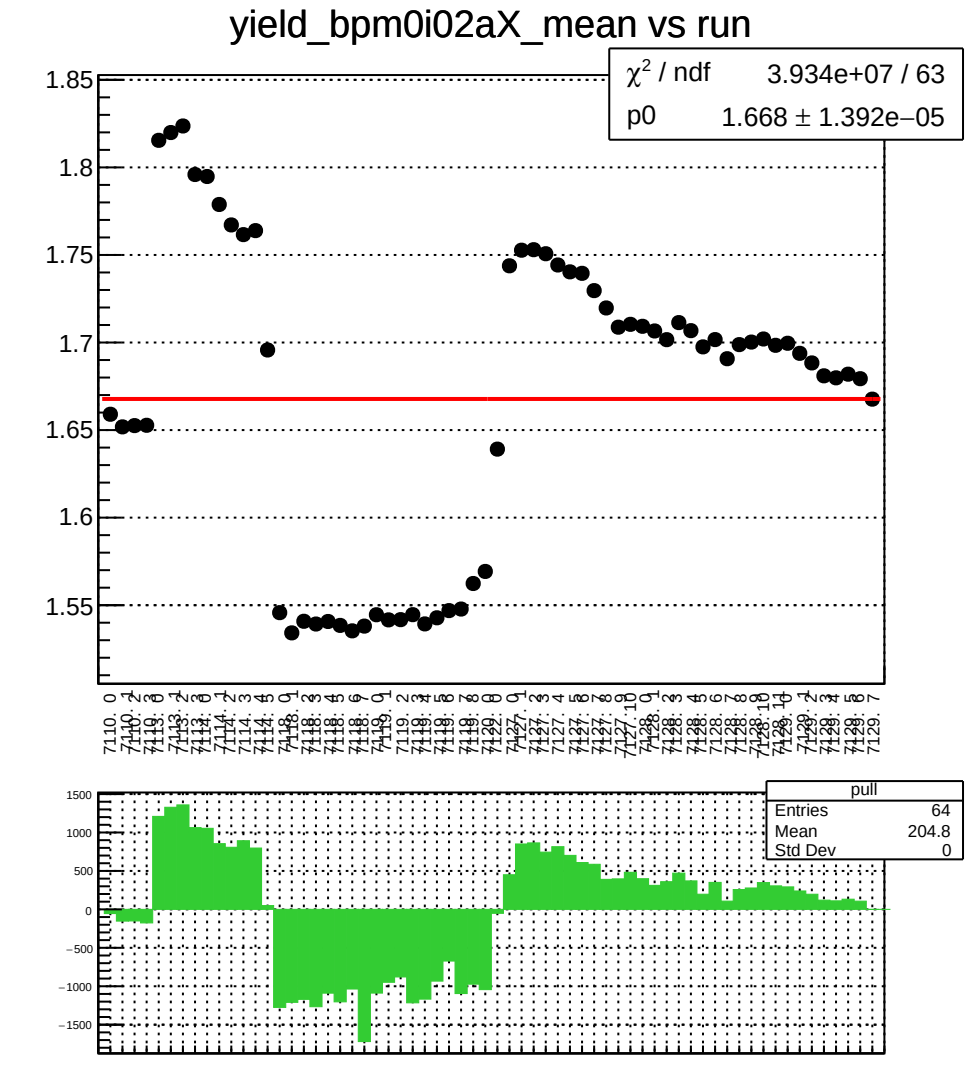

pull1D
Entries 64
Mean −4.332
Std Dev 0

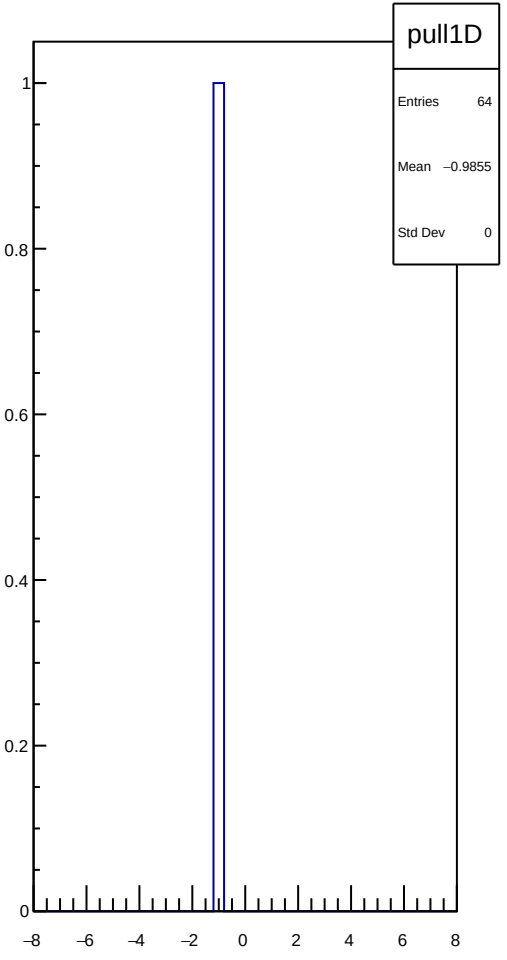

yield_bpm0i02X_rms vs run
χ² / ndf 4.555e+04 / 63
p0 0.00539 ± 4.961e−06
0.03
0.025
0.02
0.015
0.01
0.005

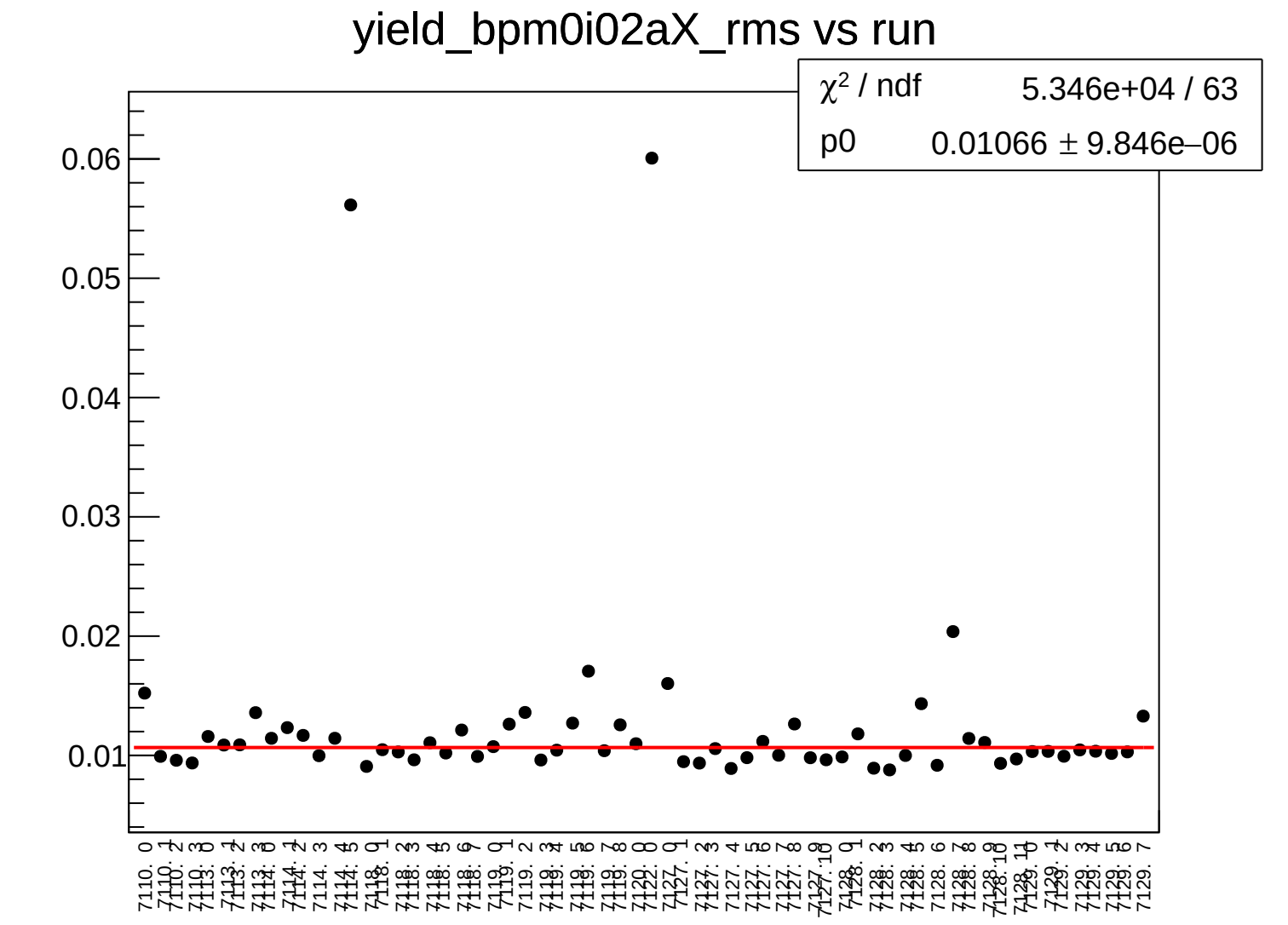

yield_bpm0i02Y_mean vs run
χ² / ndf 1.831e+07 / 63
p0 −2.48 ± 1.021e−05
pull
Entries 64
Mean −405.7
Std Dev 0

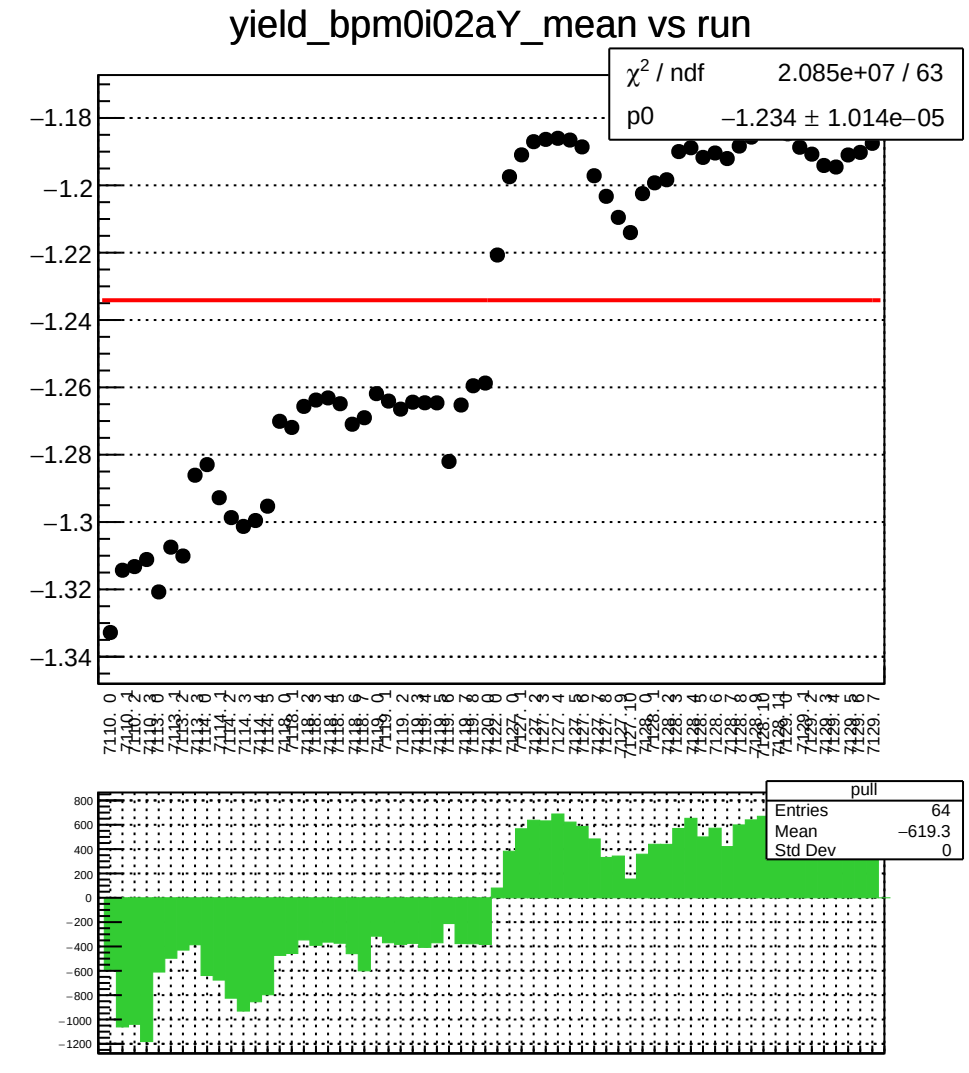

pull1D
Entries 64
Mean 0
Std Dev 0

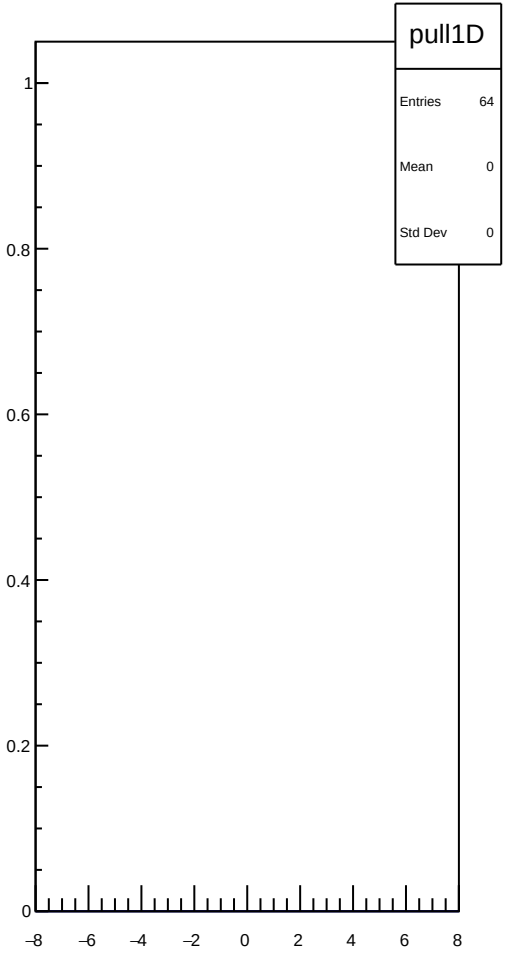

yield_bpm0i02Y_rms vs run
χ² / ndf 2.704e+04 / 63
p0 0.007905 ± 7.219e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

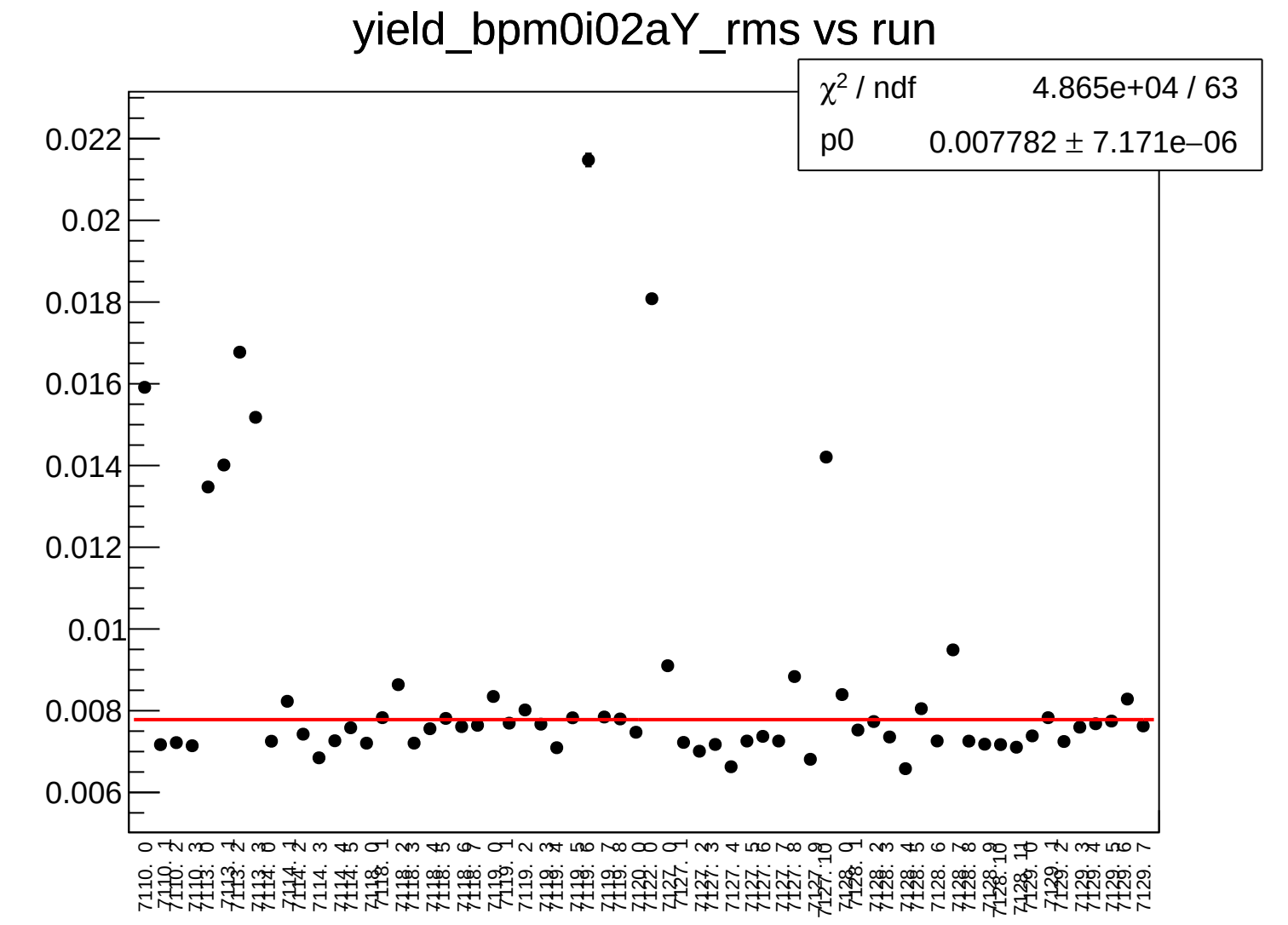

yield_bpm0i02aX_mean vs run
χ² / ndf 3.934e+07 / 63
p0 1.668 ± 1.392e−05
pull
Entries 64
Mean 204.8
Std Dev 0

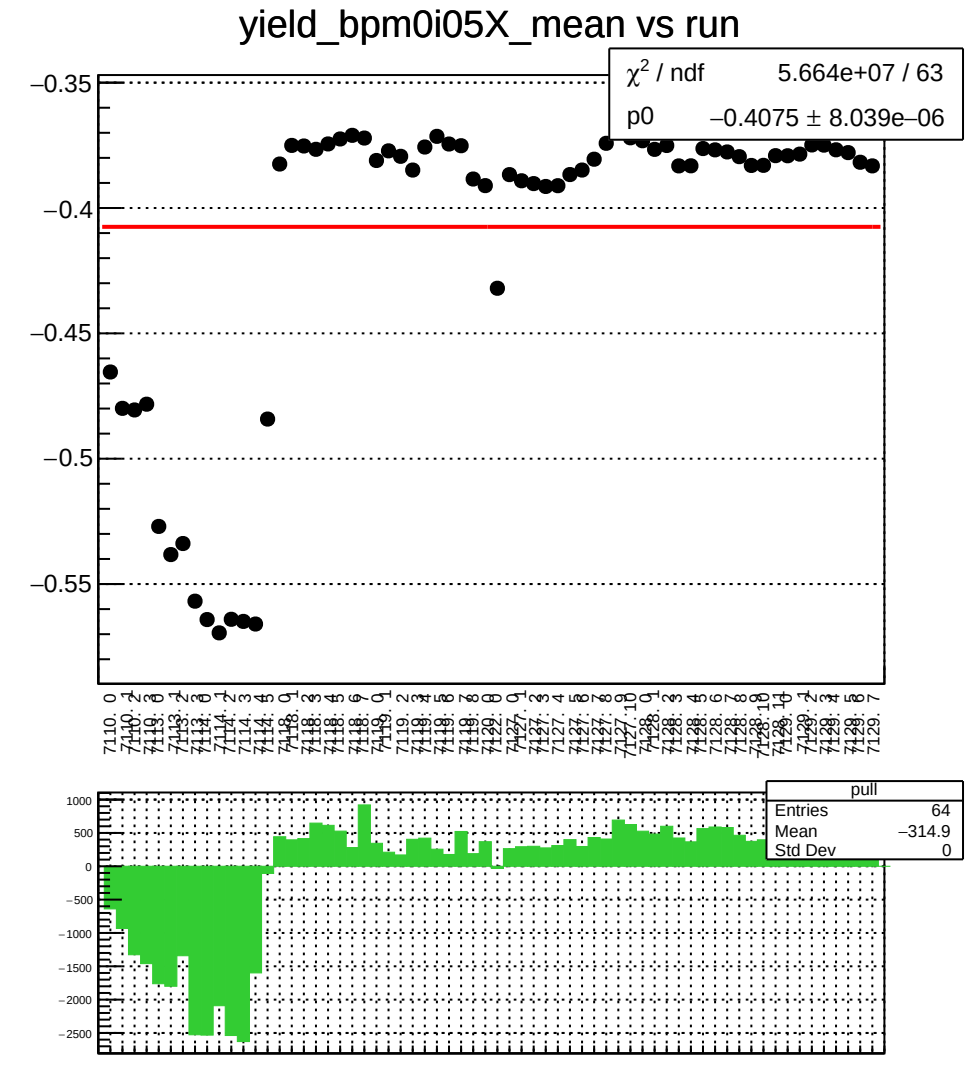

pull1D
Entries 64
Mean −0.9855
Std Dev 0

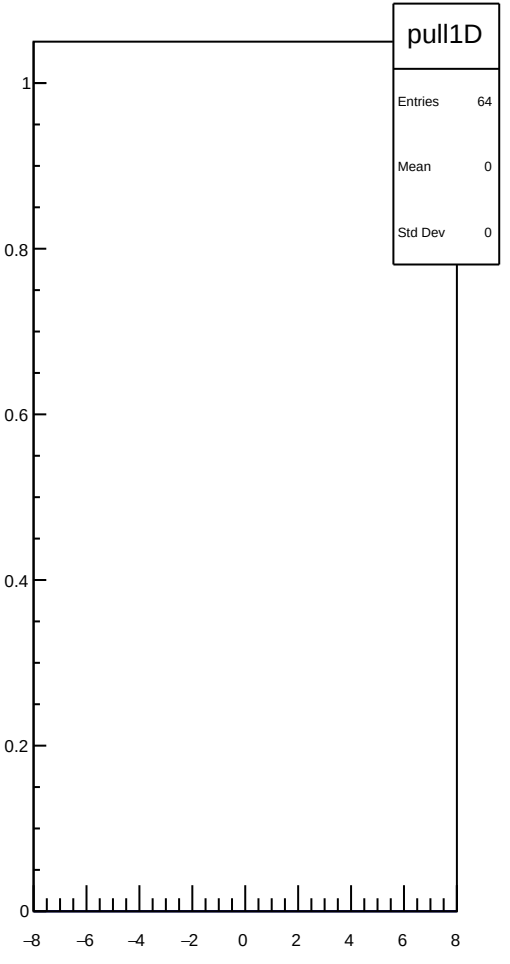

yield_bpm0i02aX_rms vs run
χ² / ndf 5.346e+04 / 63
p0 0.01066 ± 9.846e–06
0.06
0.05
0.04
0.03
0.02
0.01

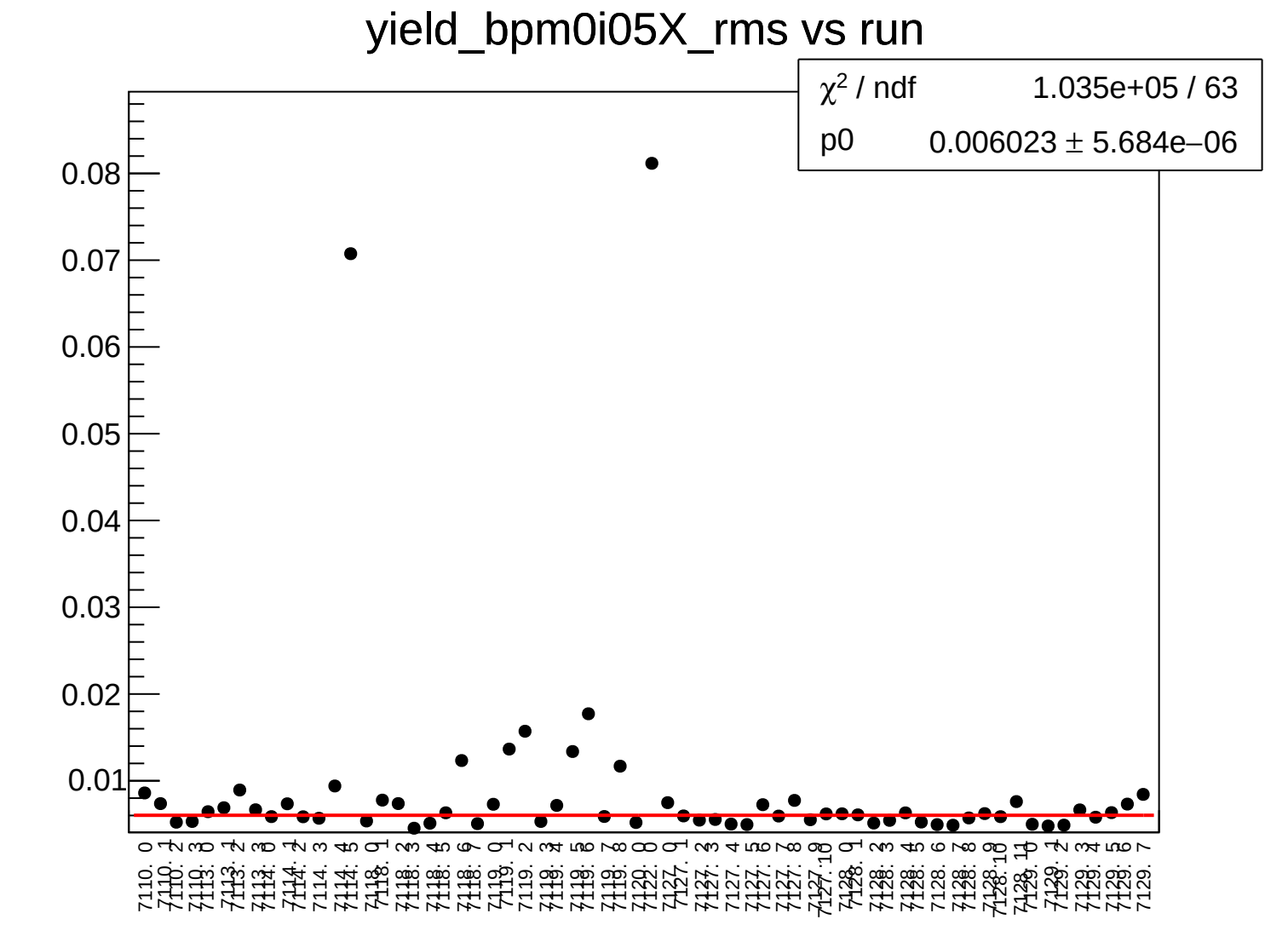

yield_bpm0i02aY_mean vs run
χ² / ndf 2.085e+07 / 63
p0 −1.234 ± 1.014e−05
−1.18
−1.2
−1.22
−1.24
−1.26
−1.28
−1.3
−1.32
−1.34
pull
Entries 64
Mean −619.3
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

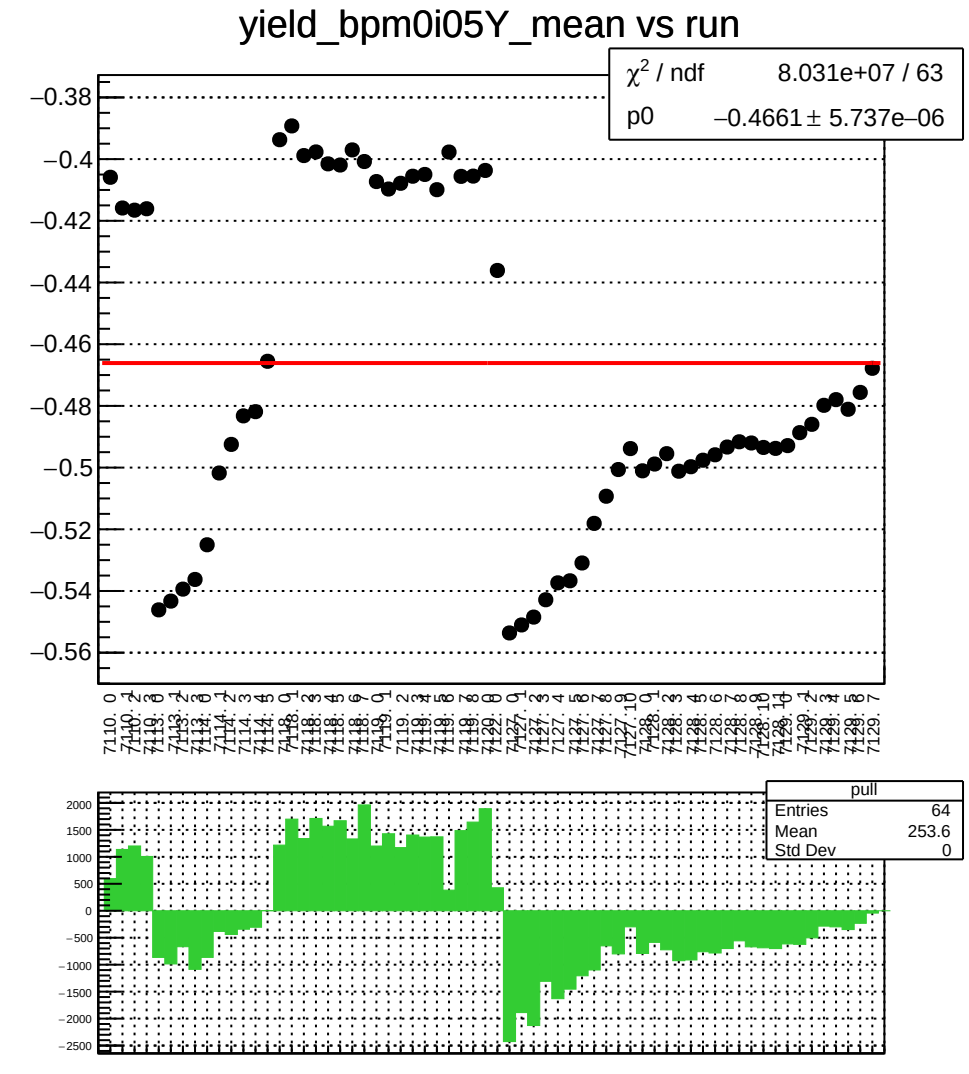

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

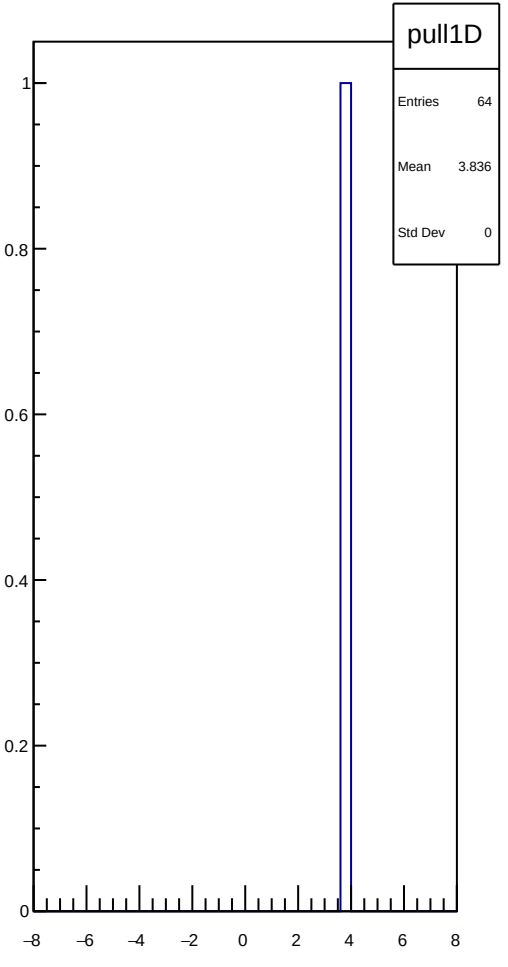

yield_bpm0i02aY_rms vs run
χ² / ndf 4.865e+04 / 63
p0 0.007782 ± 7.171e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

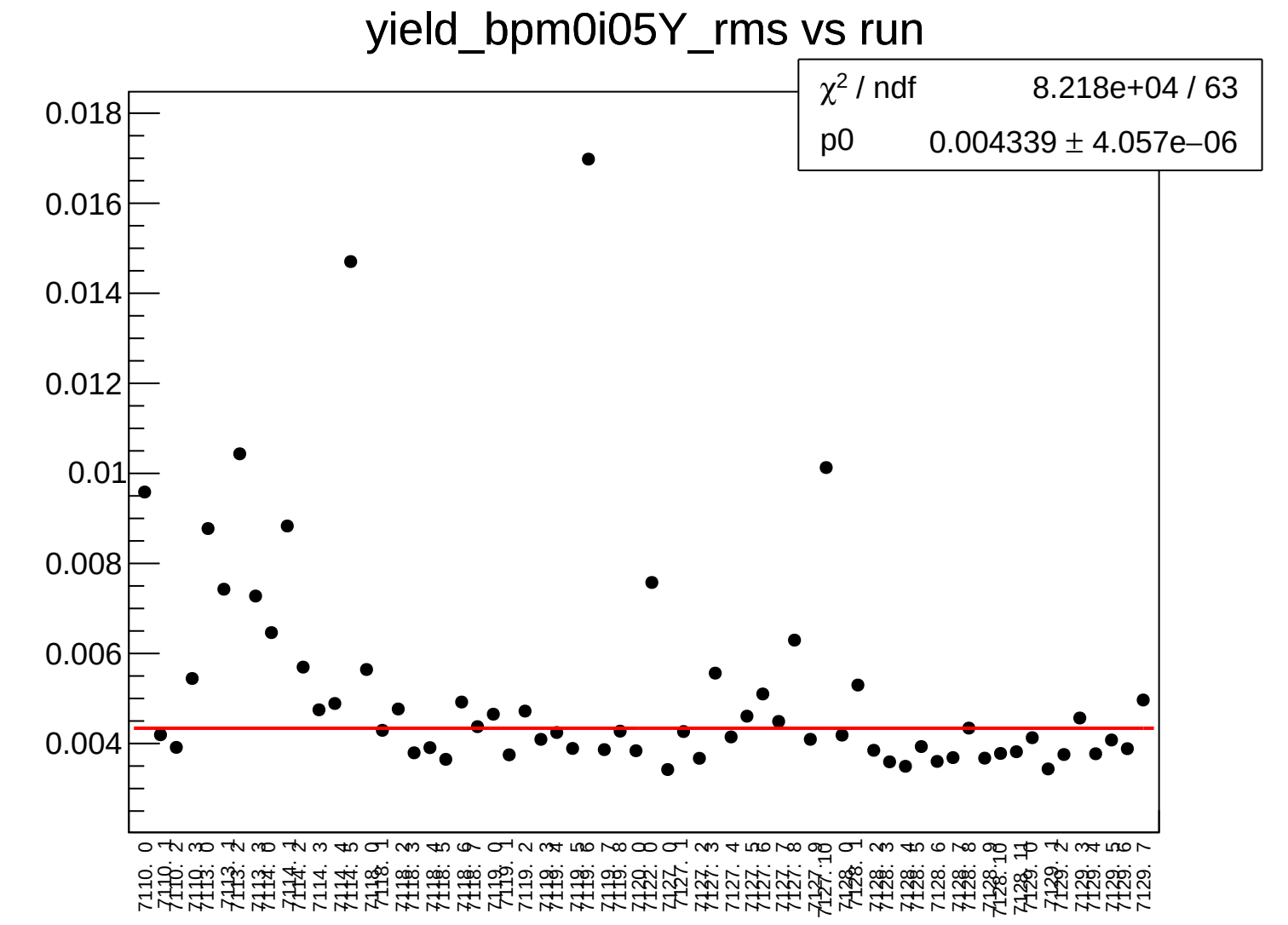

yield_bpm0i05X_mean vs run
χ² / ndf 5.664e+07 / 63
p0 −0.4075 ± 8.039e−06
−0.35
−0.4
−0.45
−0.5
−0.55
pull
Entries 64
Mean −314.9
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500

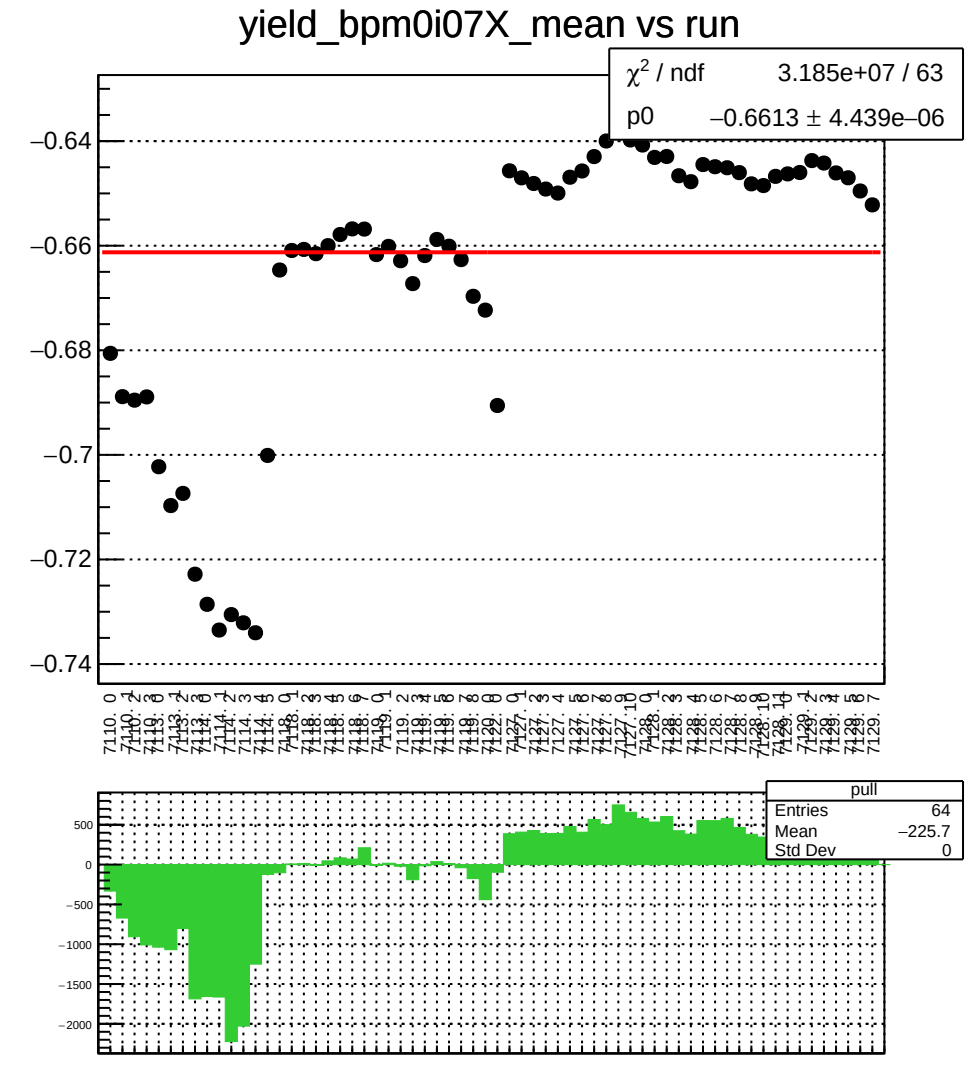

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

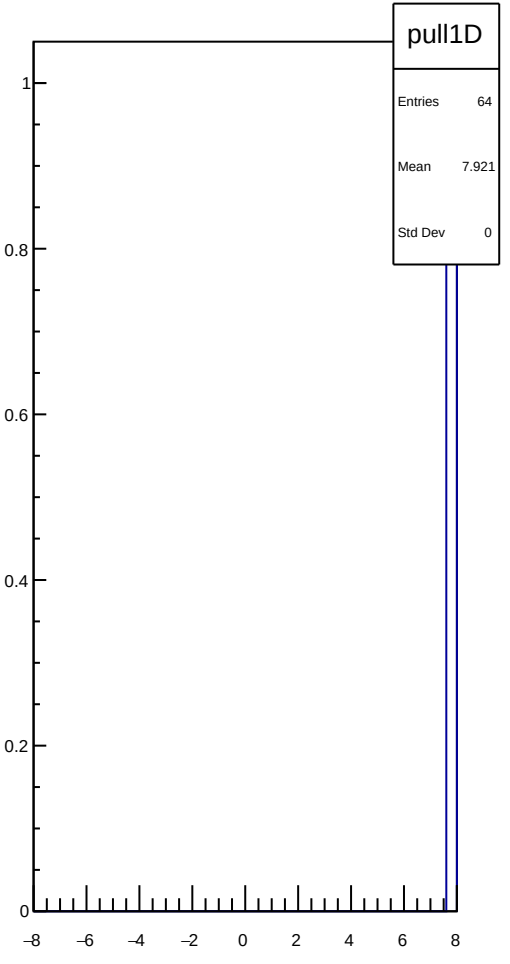

yield_bpm0i05X_rms vs run
χ^2 / ndf 1.035e+05 / 63
p0 0.006023 ± 5.684e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

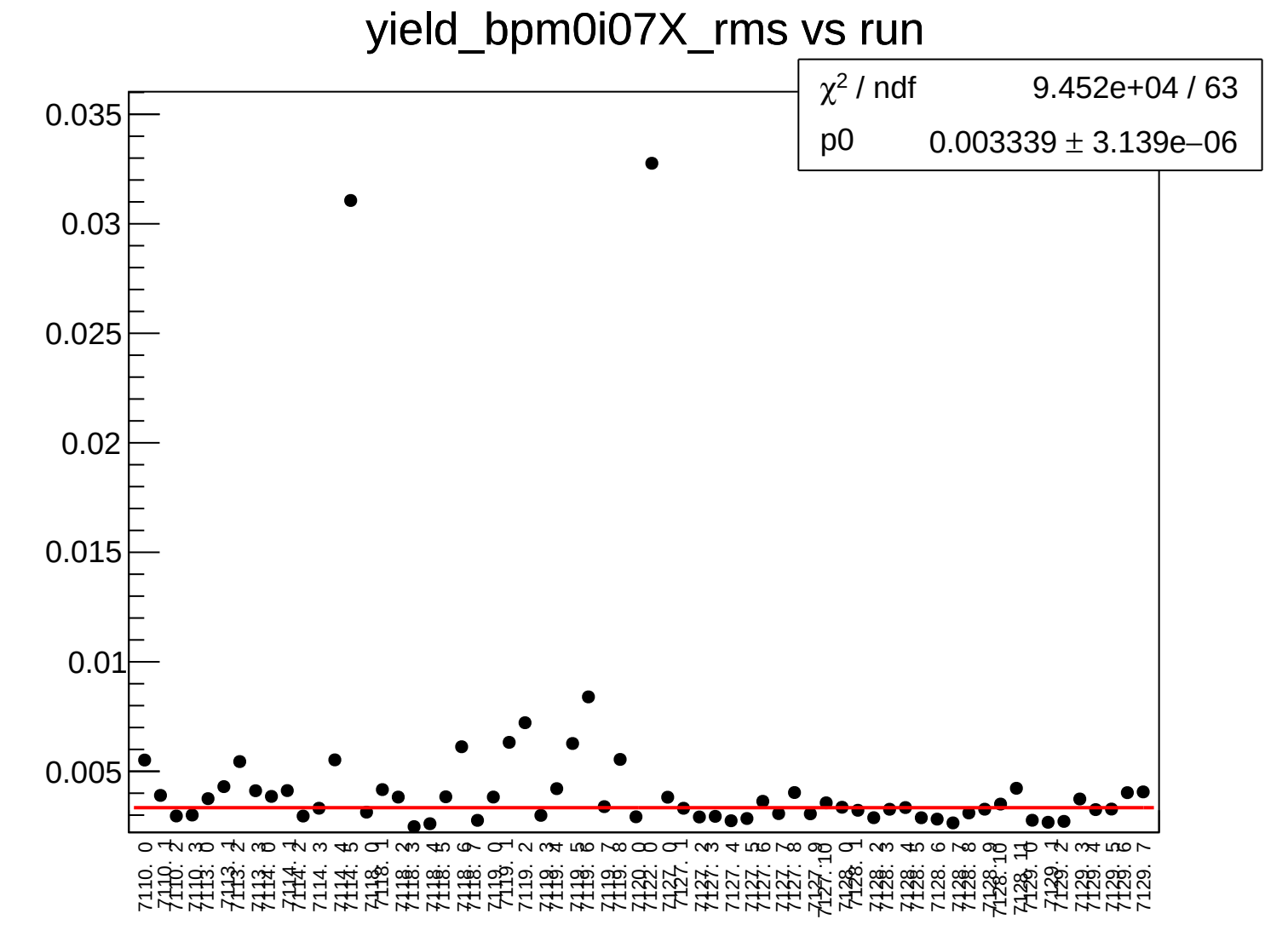

yield_bpm0i05Y_mean vs run
χ² / ndf 8.031e+07 / 63
p0 −0.4661 ± 5.737e−06
pull
Entries 64
Mean 253.6
Std Dev 0

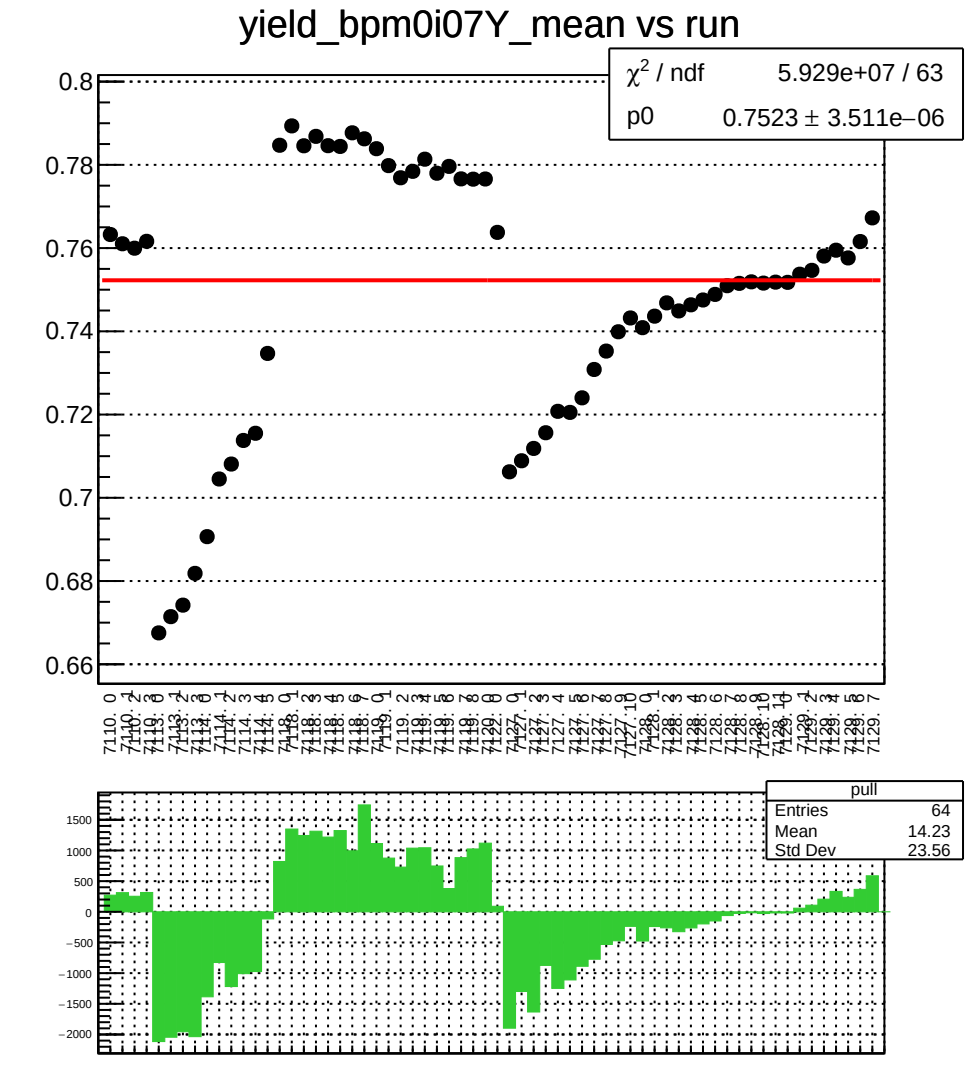

pull1D
Entries 64
Mean 3.836
Std Dev 0

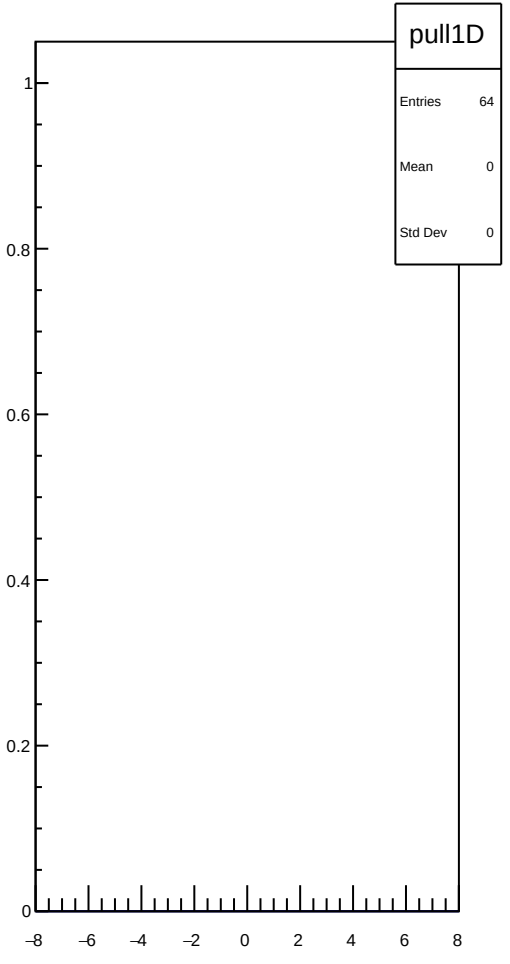

yield_bpm0i05Y_rms vs run
χ² / ndf 8.218e+04 / 63
p0 0.004339 ± 4.057e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

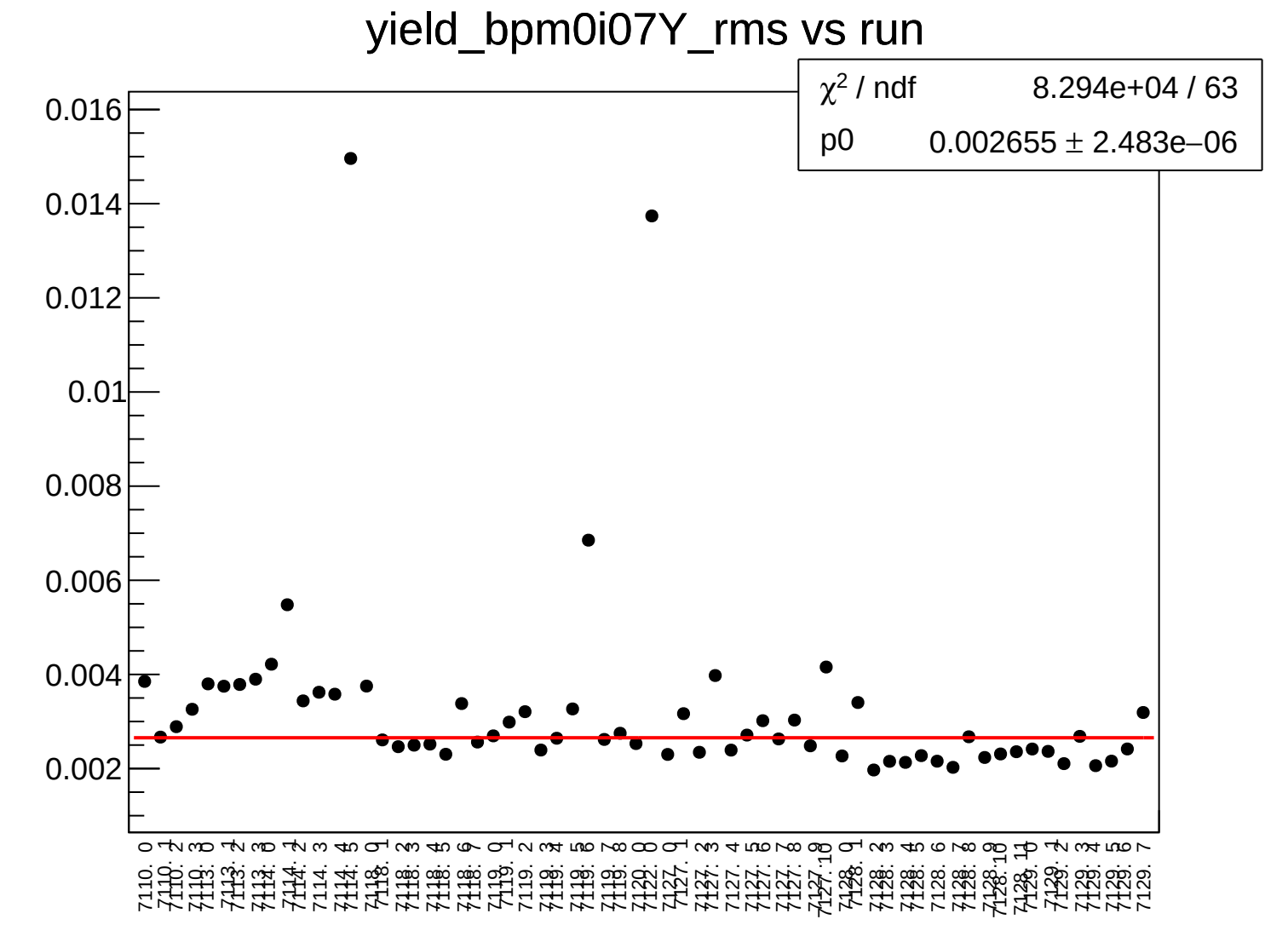

yield_bpm0i07X_mean vs run
χ² / ndf 3.185e+07 / 63
p0 −0.6613 ± 4.439e−06
−0.64
−0.66
−0.68
−0.7
−0.72
−0.74
pull
Entries 64
Mean −225.7
Std Dev 0
500
0
−500
−1000
−1500
−2000

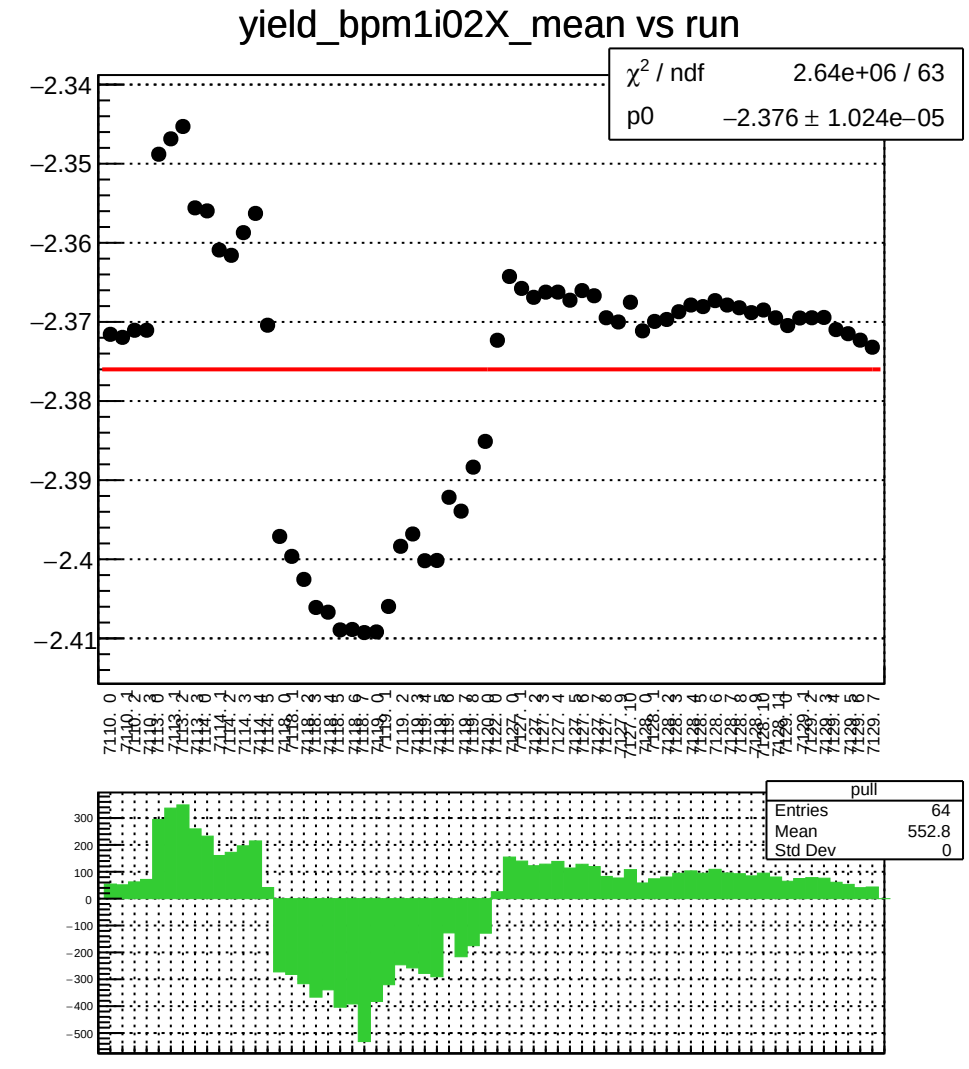

pull1D
Entries 64
Mean 7.921
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

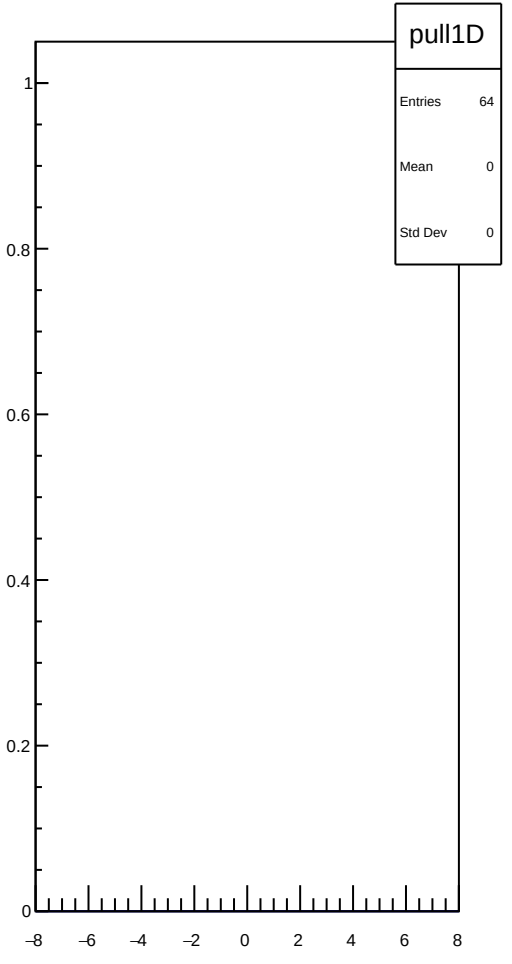

yield_bpm0i07X_rms vs run
χ^2 / ndf 9.452e+04 / 63
p0 0.003339 ± 3.139e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

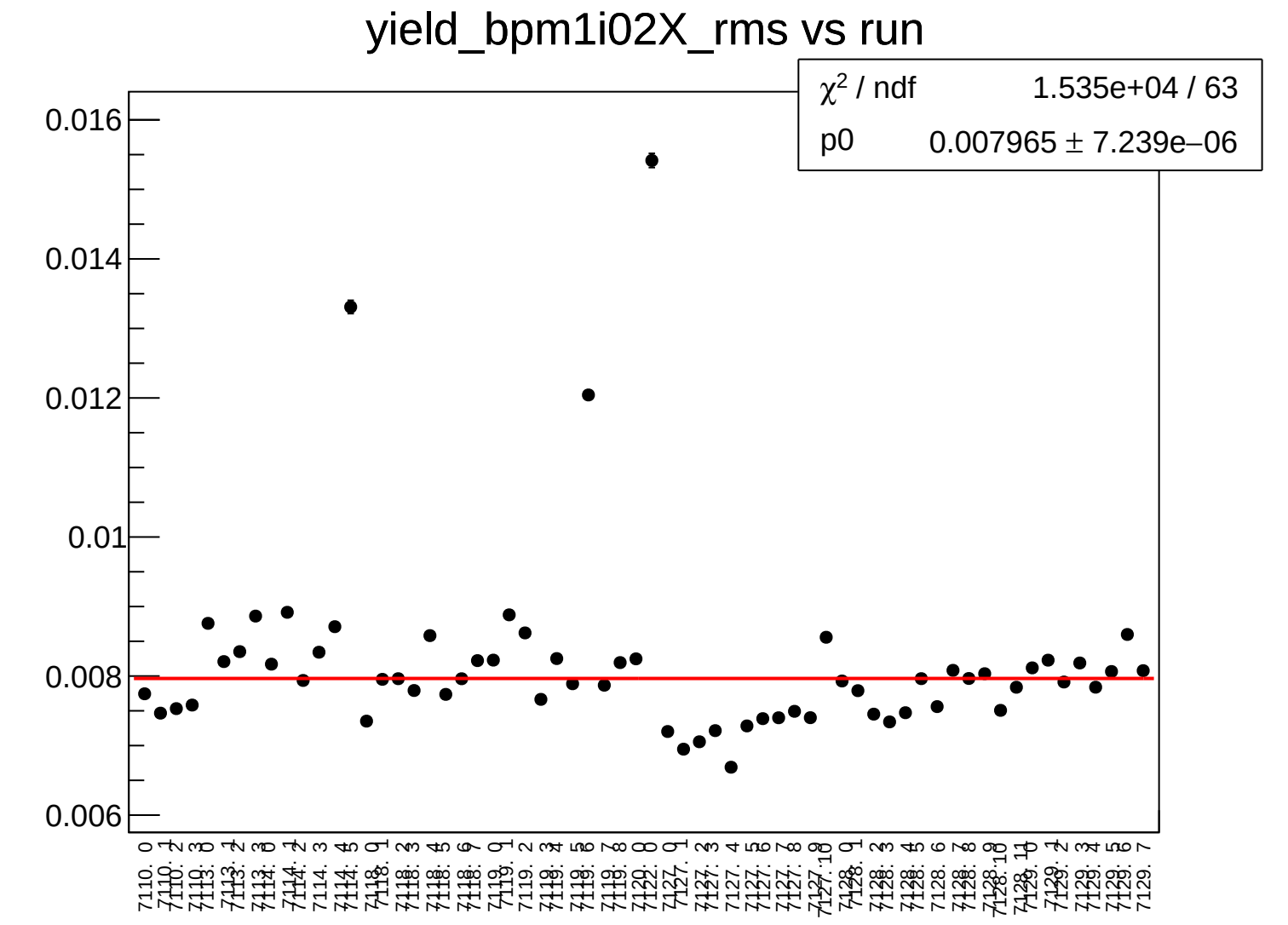

yield_bpm0i07Y_mean vs run
χ² / ndf 5.929e+07 / 63
p0 0.7523 ± 3.511e−06
pull
Entries 64
Mean 14.23
Std Dev 23.56

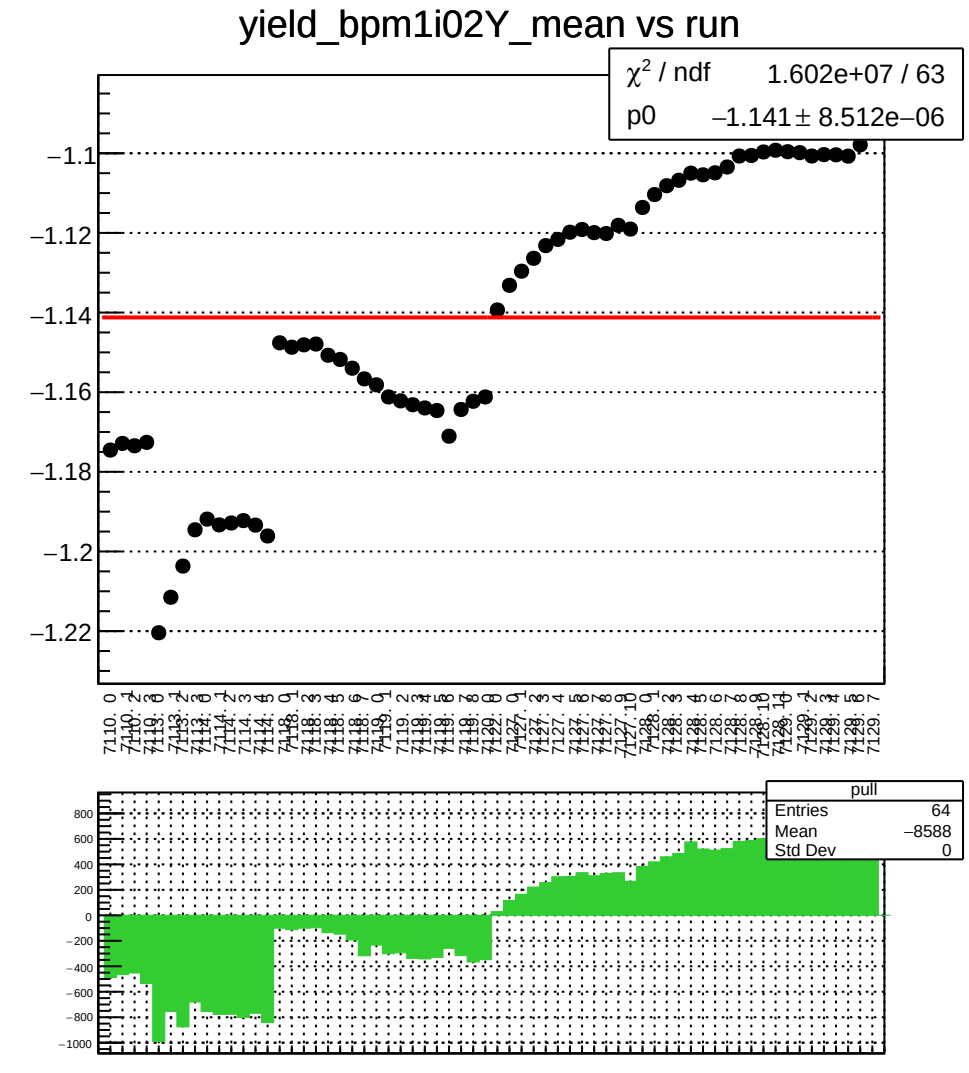

pull1D
Entries 64
Mean 0
Std Dev 0

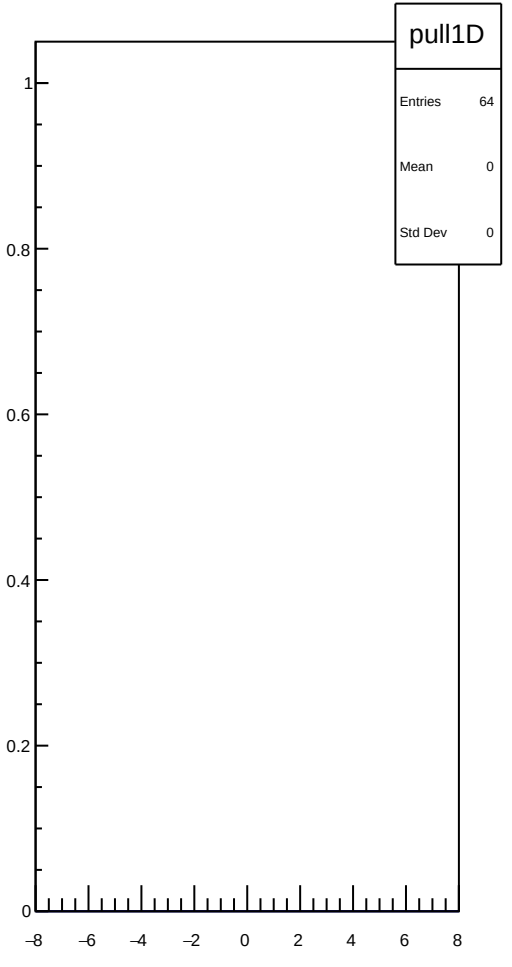

yield_bpm0i07Y_rms vs run
χ² / ndf 8.294e+04 / 63
p0 0.002655 ± 2.483e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

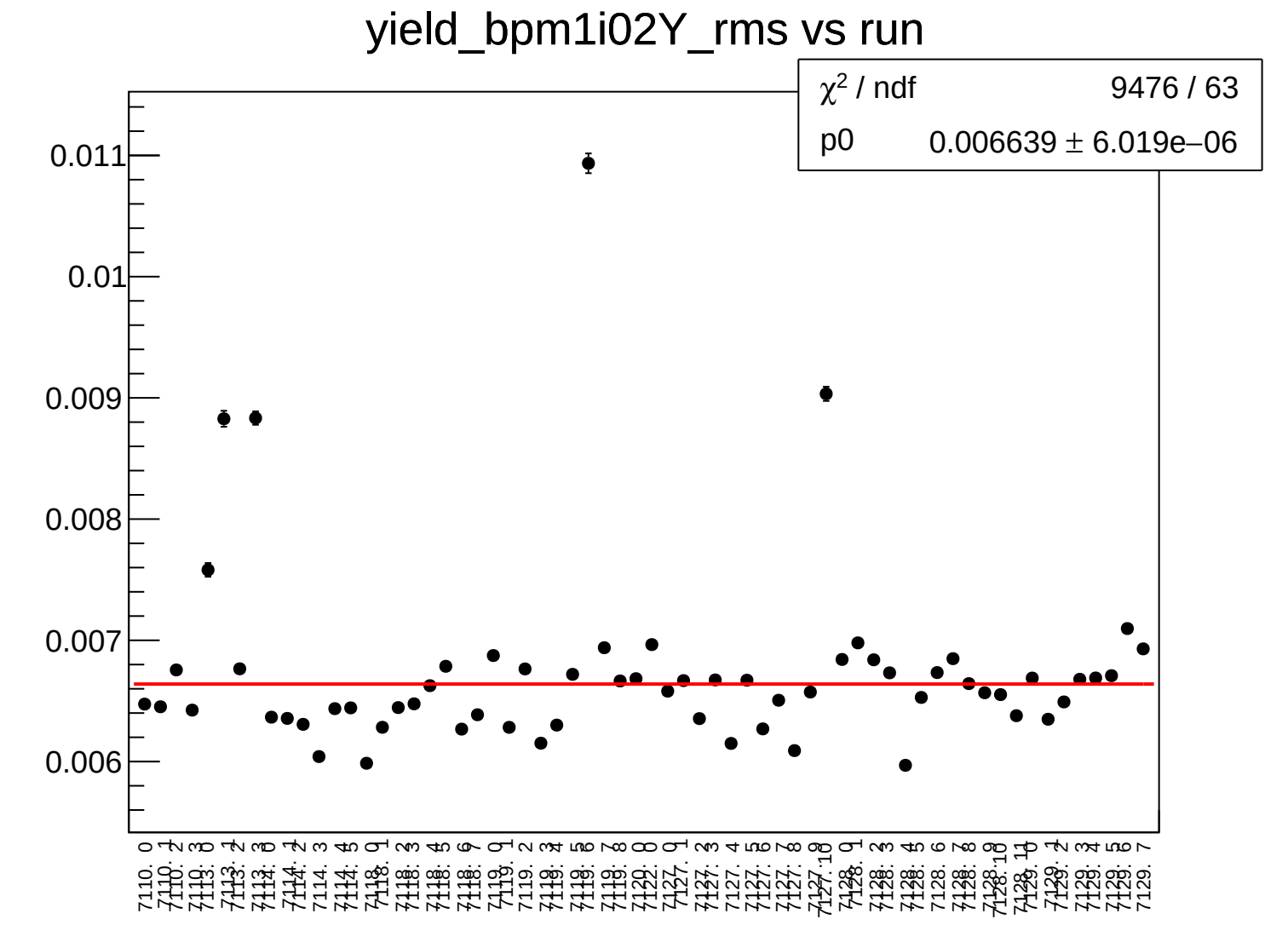

yield_bpm1i02X_mean vs run
χ² / ndf 2.64e+06 / 63
p0 −2.376 ± 1.024e−05
−2.34
−2.35
−2.36
−2.37
−2.38
−2.39
−2.4
−2.41
pull
Entries 64
Mean 552.8
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

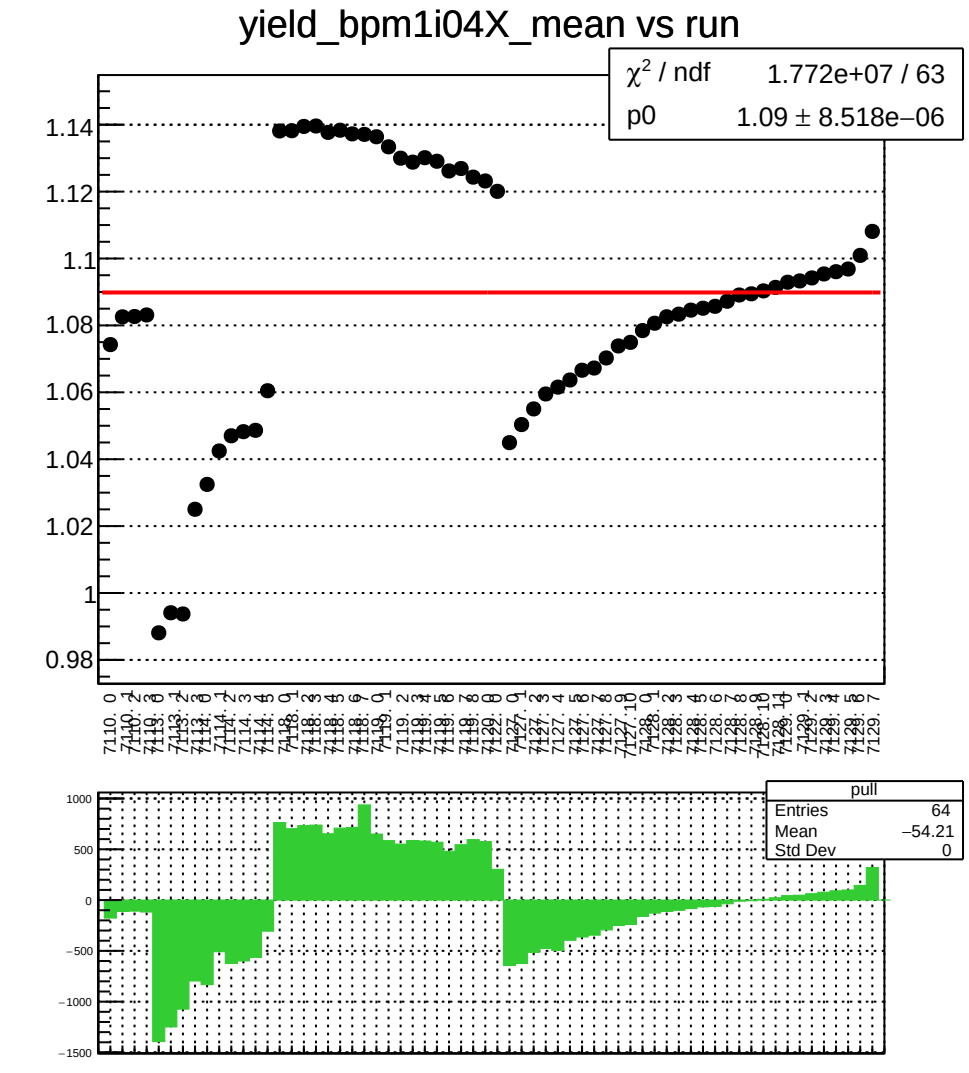

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

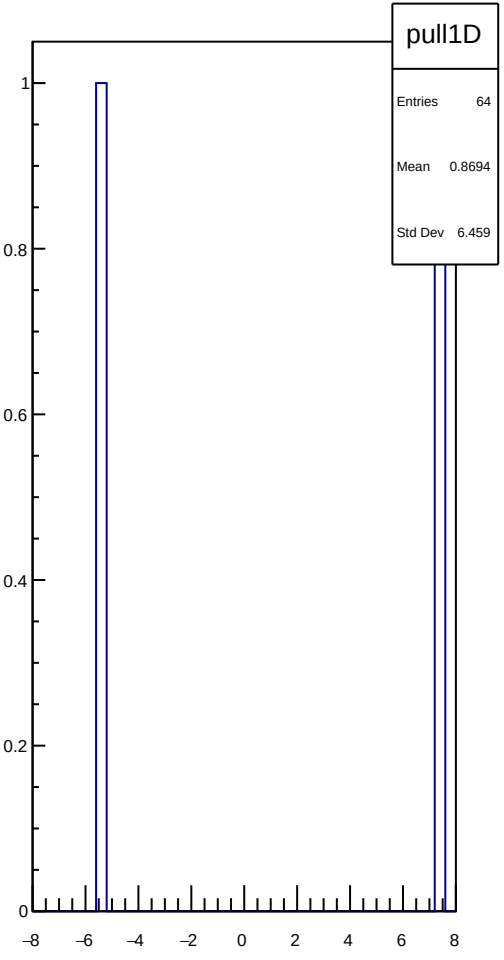

yield_bpm1i02X_rms vs run
χ² / ndf 1.535e+04 / 63
p0 0.007965 ± 7.239e−06
0.016
0.014
0.012
0.01
0.008
0.006

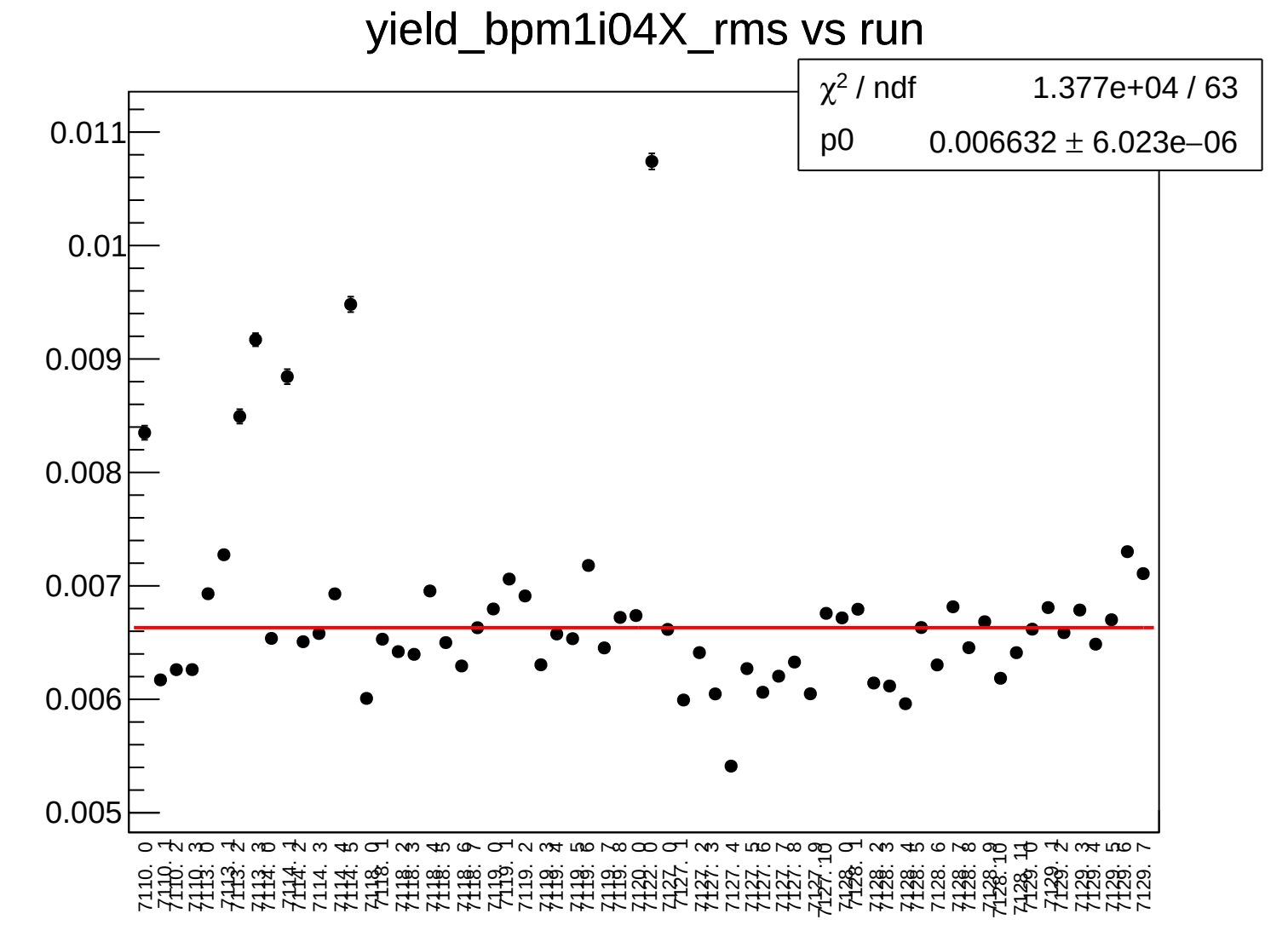

yield_bpm1i02Y_mean vs run
χ² / ndf 1.602e+07 / 63
p0 −1.141 ± 8.512e−06
−1.1
−1.12
−1.14
−1.16
−1.18
−1.2
−1.22
pull
Entries 64
Mean −8588
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

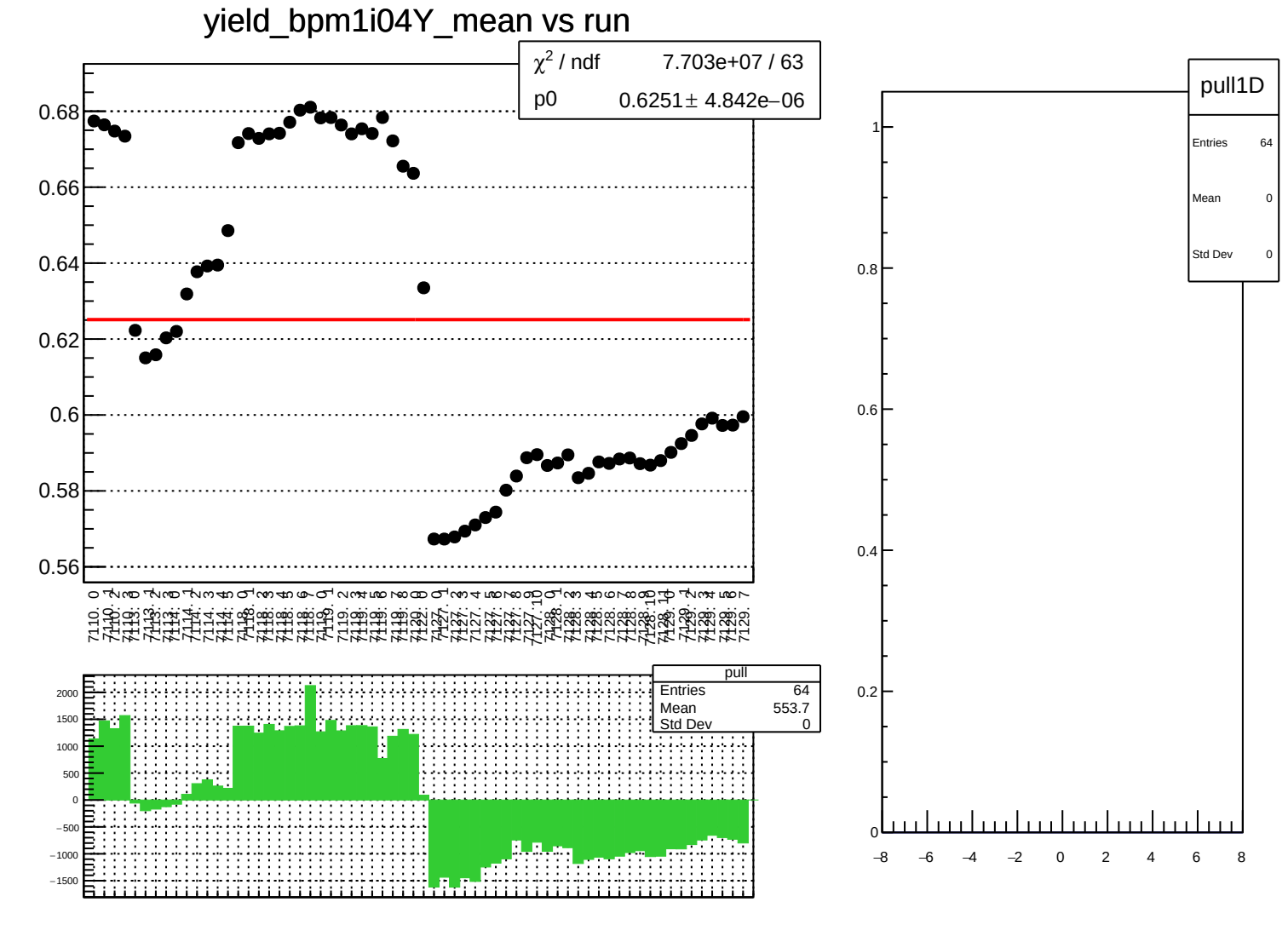

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

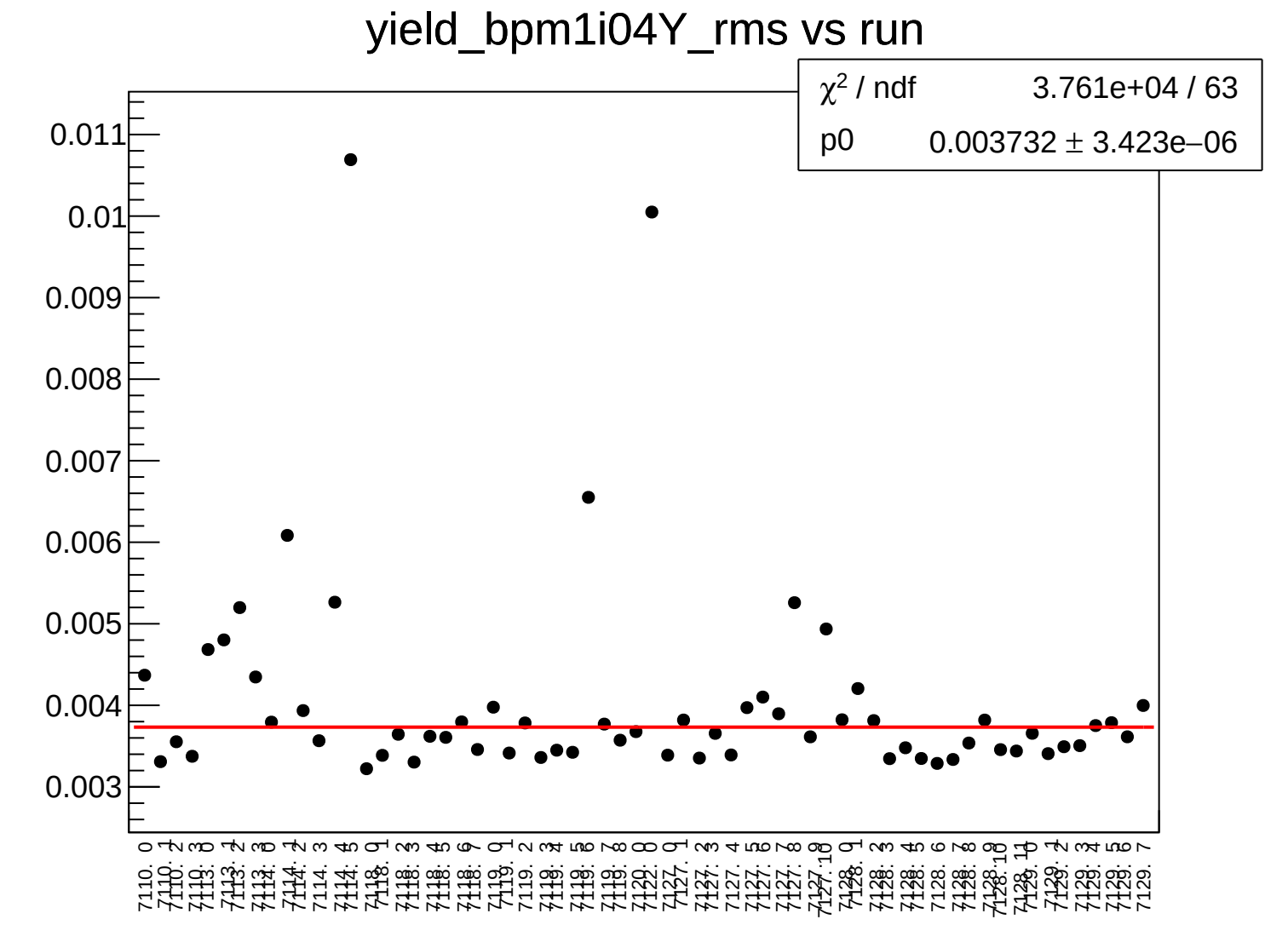

yield_bpm1i02Y_rms vs run
χ² / ndf 9476 / 63
p0 0.006639 ± 6.019e−06
0.011
0.01
0.009
0.008
0.007
0.006

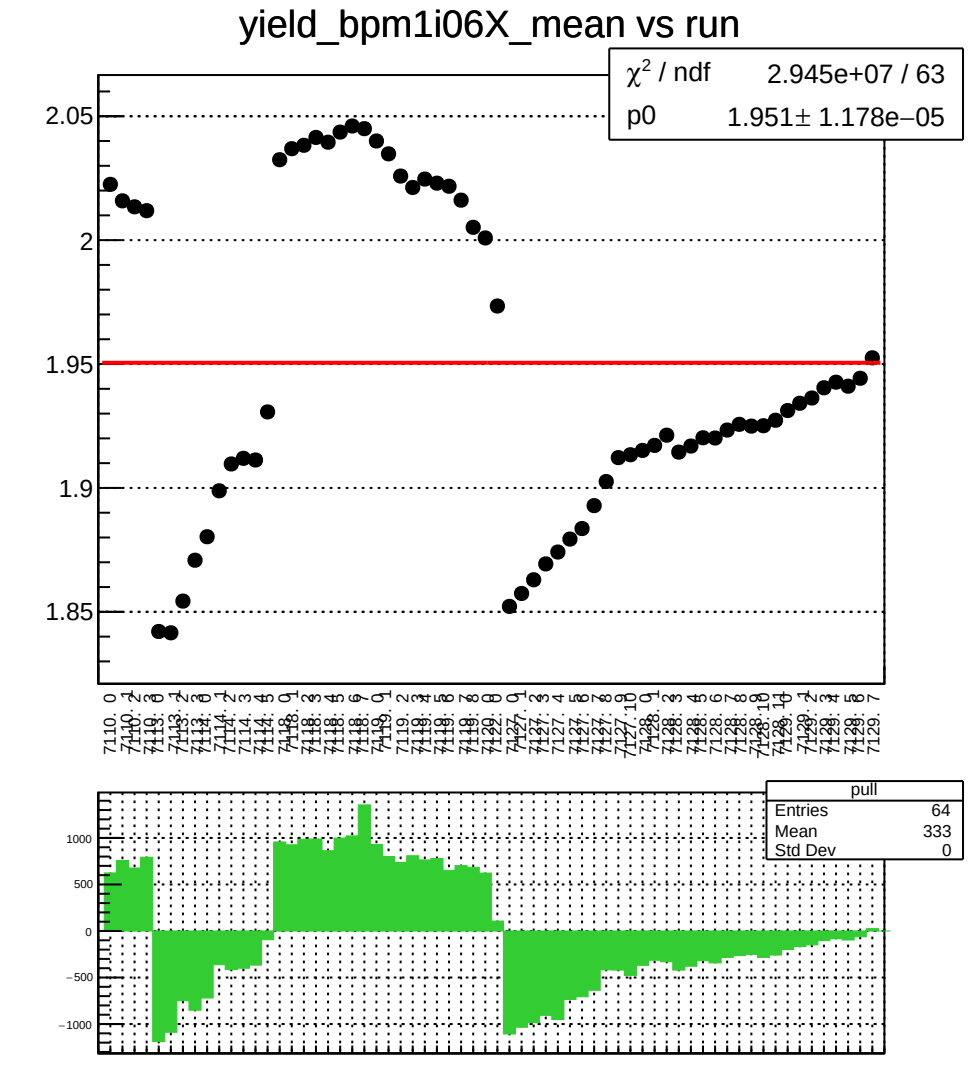

yield_bpm1i04X_mean vs run
χ² / ndf 1.772e+07 / 63
p0 1.09 ± 8.518e−06
pull
Entries 64
Mean −54.21
Std Dev 0

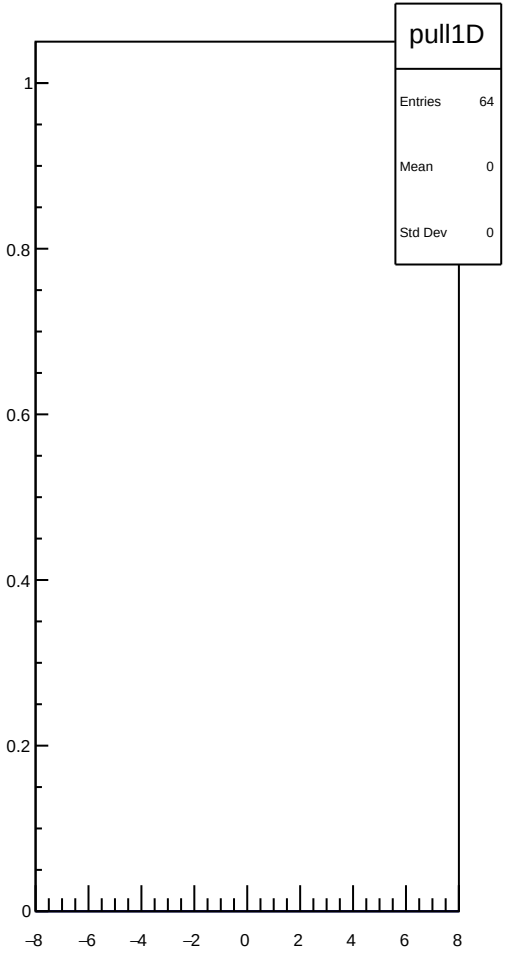

pull1D
Entries 64
Mean 0.8694
Std Dev 6.459

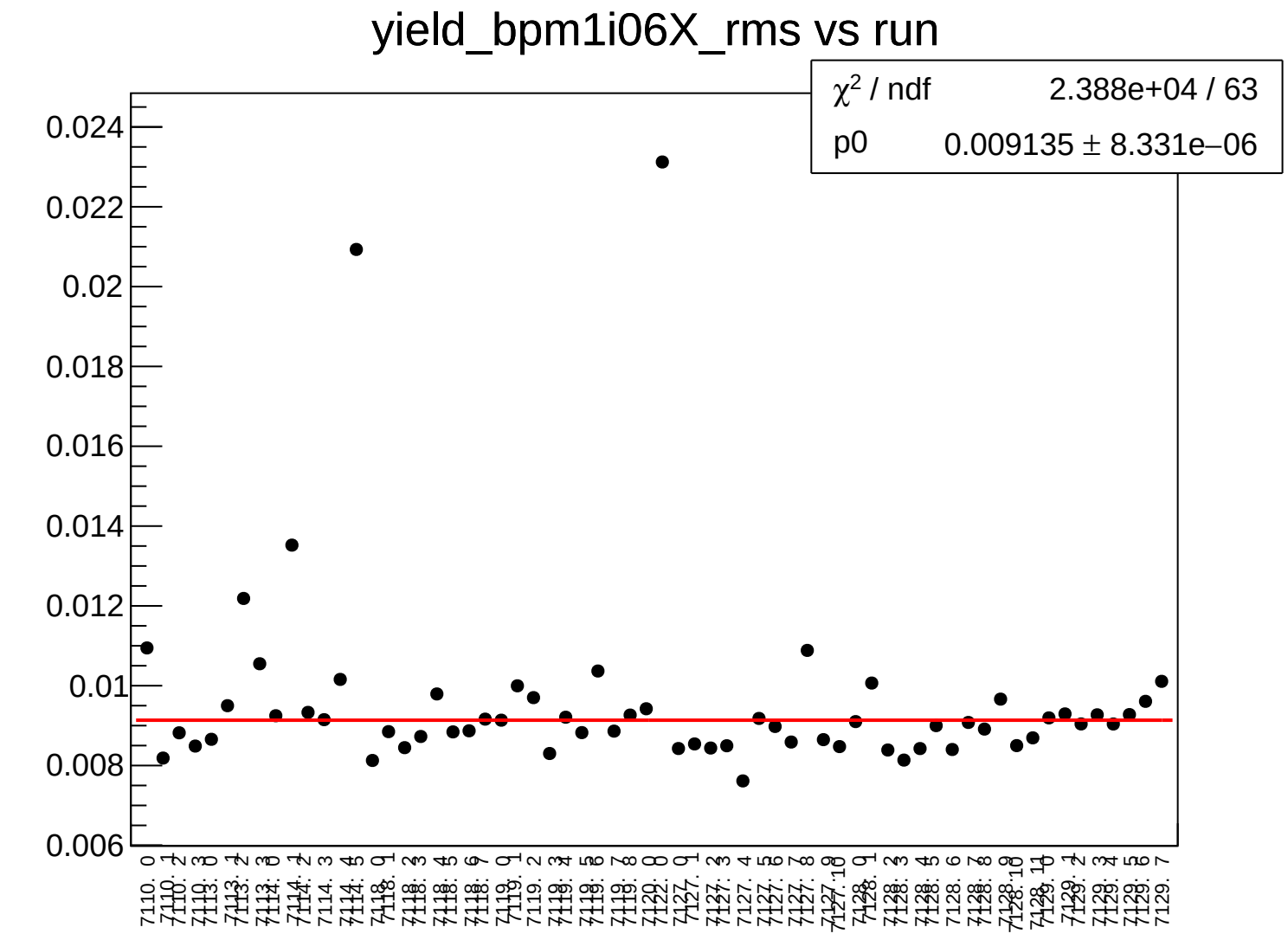

yield_bpm1i04X_rms vs run
χ² / ndf 1.377e+04 / 63
p0 0.006632 ± 6.023e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005

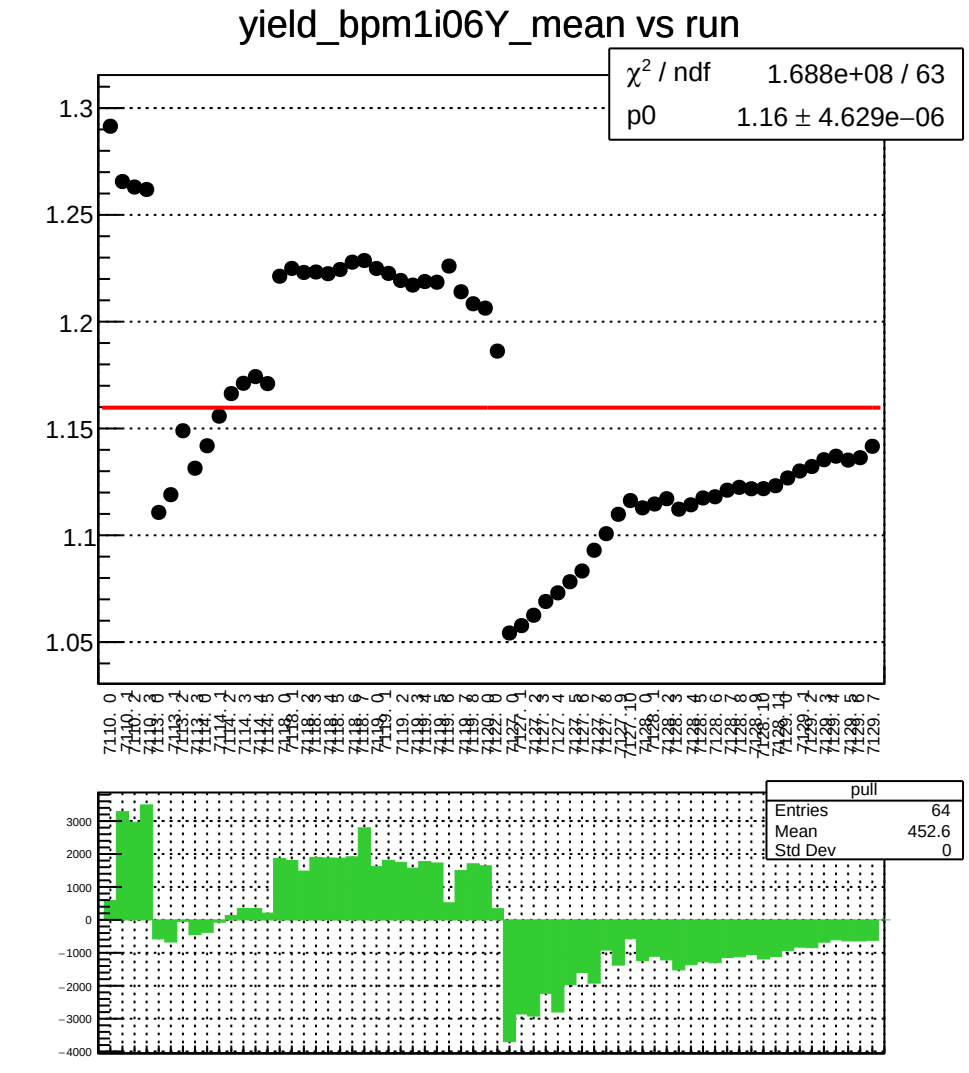

yield_bpm1i04Y_mean vs run
χ² / ndf 7.703e+07 / 63
p0 0.6251 ± 4.842e−06
0.68
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 64
Mean 553.7
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

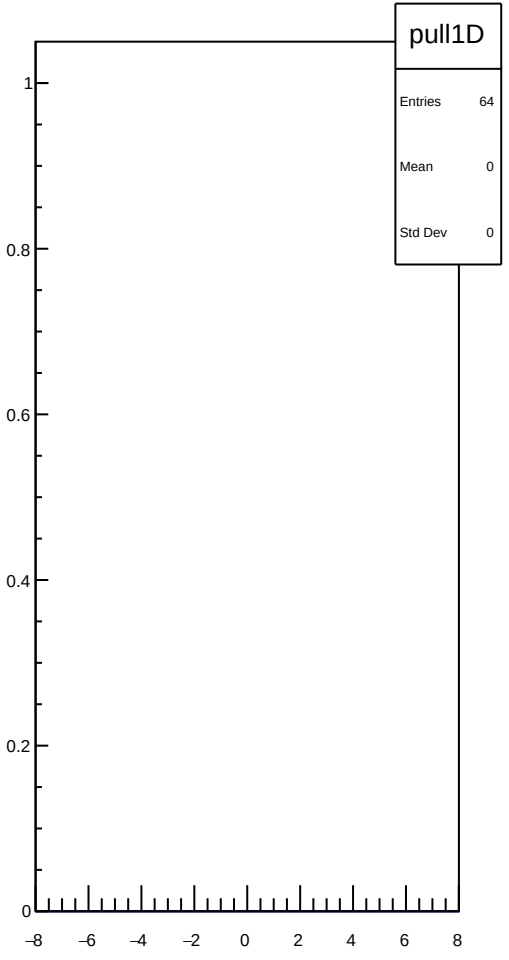

yield_bpm1i04Y_rms vs run
χ² / ndf 3.761e+04 / 63
p0 0.003732 ± 3.423e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

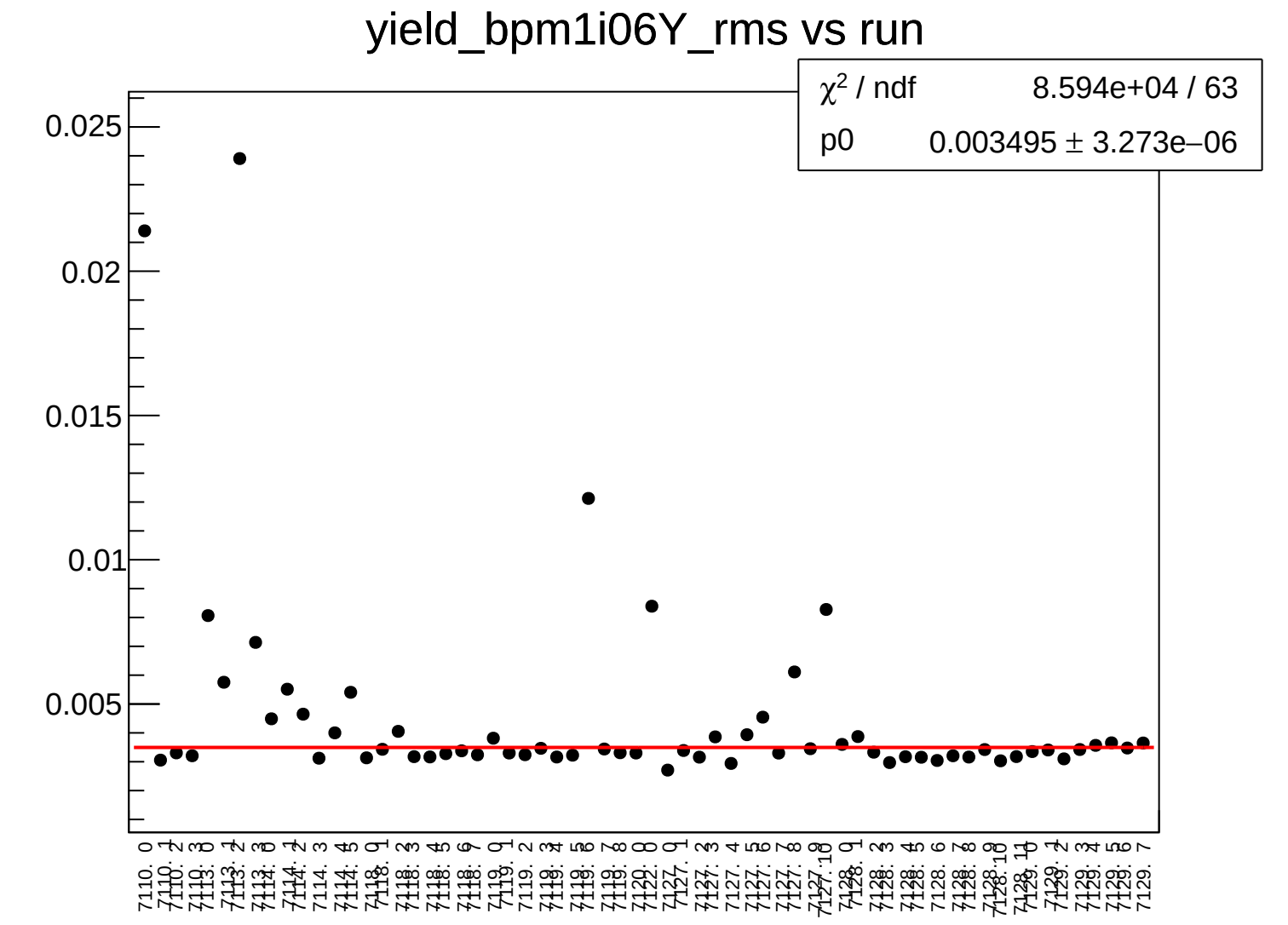

yield_bpm1i06X_mean vs run
χ² / ndf 2.945e+07 / 63
p0 1.951± 1.178e−05
2.05
2
1.95
1.9
1.85
pull
Entries 64
Mean 333
Std Dev 0
1000
500
0
−500
−1000

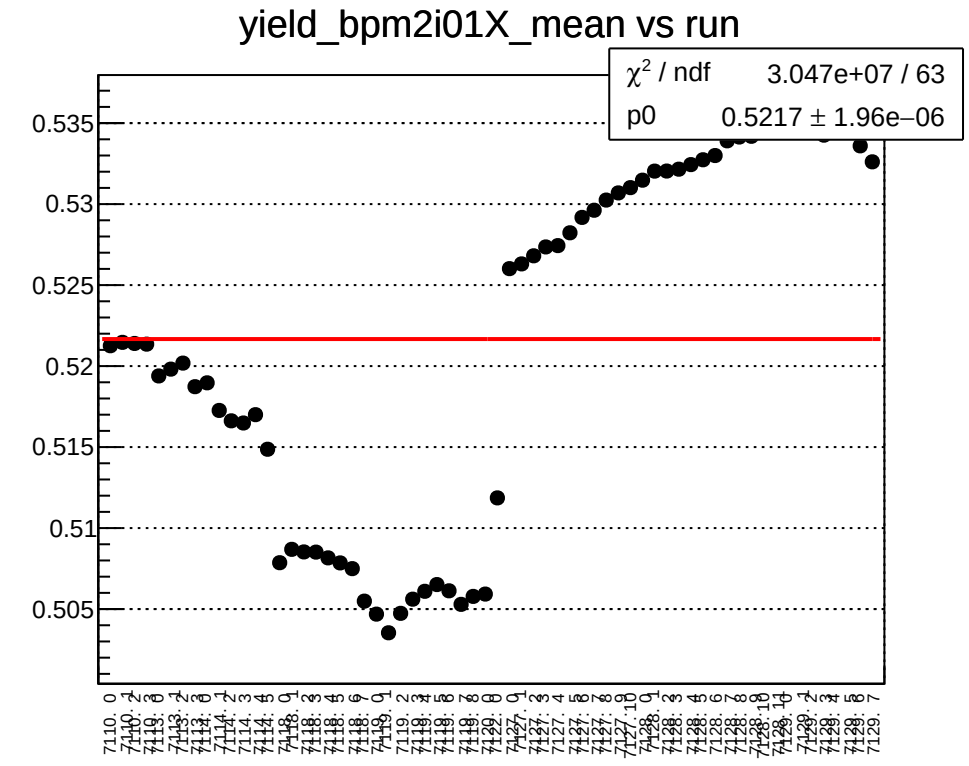

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

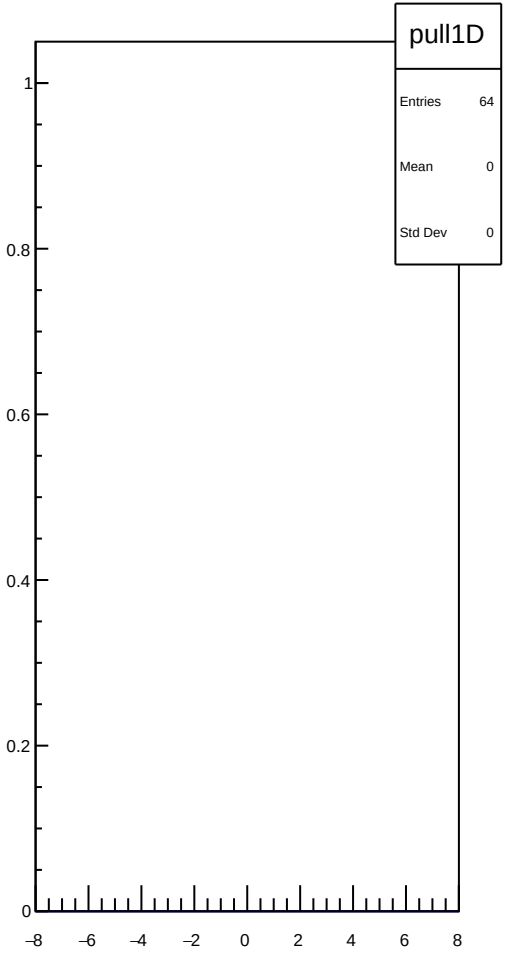

yield_bpm1i06X_rms vs run
χ² / ndf 2.388e+04 / 63
p0 0.009135 ± 8.331e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

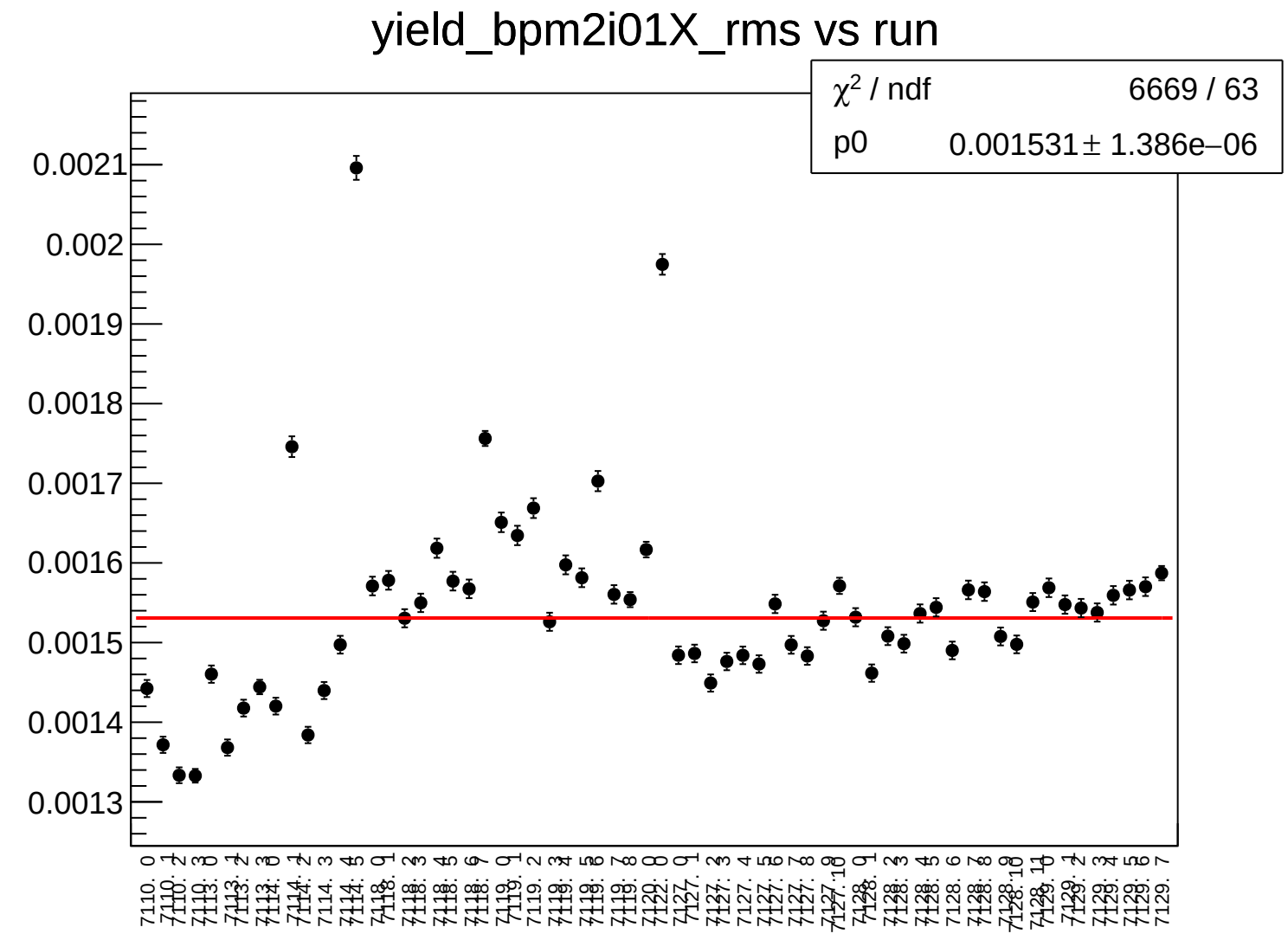

yield_bpm1i06Y_mean vs run
χ² / ndf 1.688e+08 / 63
p0 1.16 ± 4.629e−06
pull
Entries 64
Mean 452.6
Std Dev 0

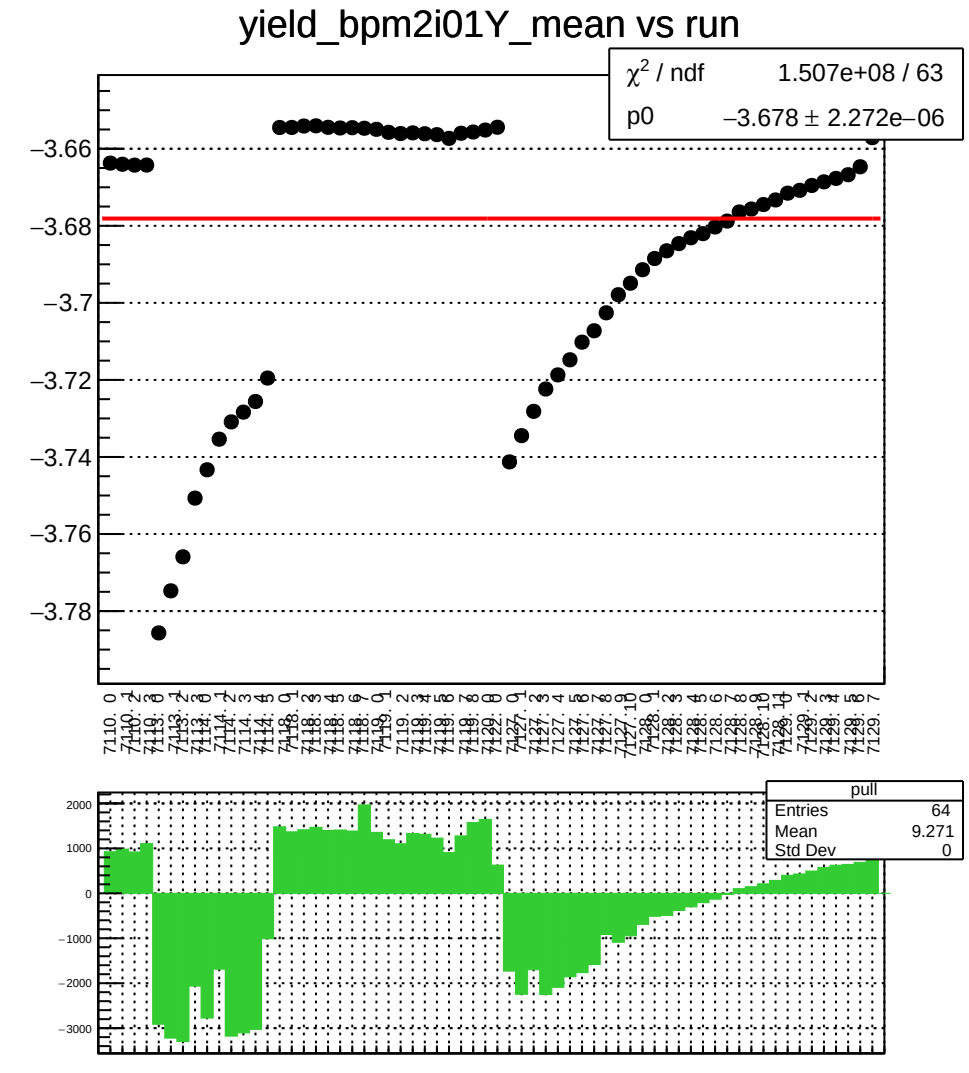

pull1D
Entries 64
Mean 0
Std Dev 0

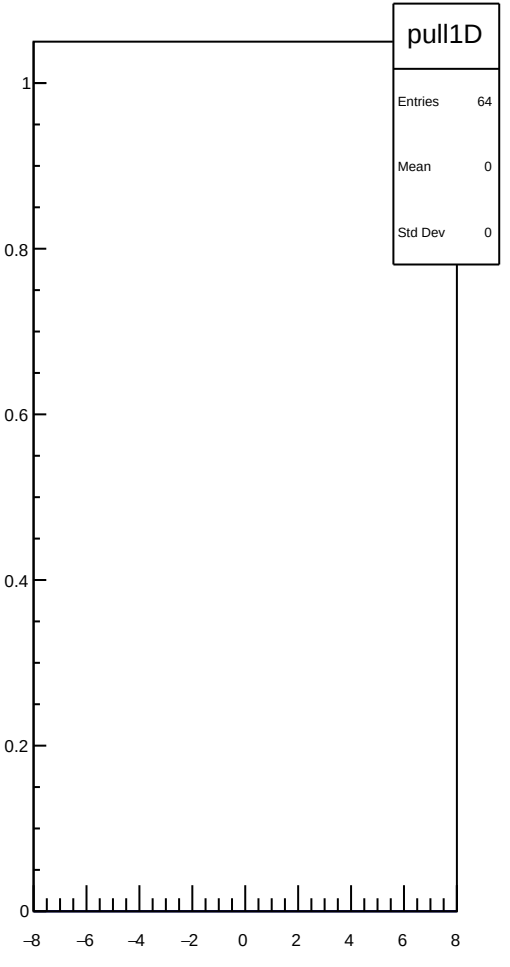

yield_bpm1i06Y_rms vs run
χ² / ndf 8.594e+04 / 63
p0 0.003495 ± 3.273e−06
0.025
0.02
0.015
0.01
0.005

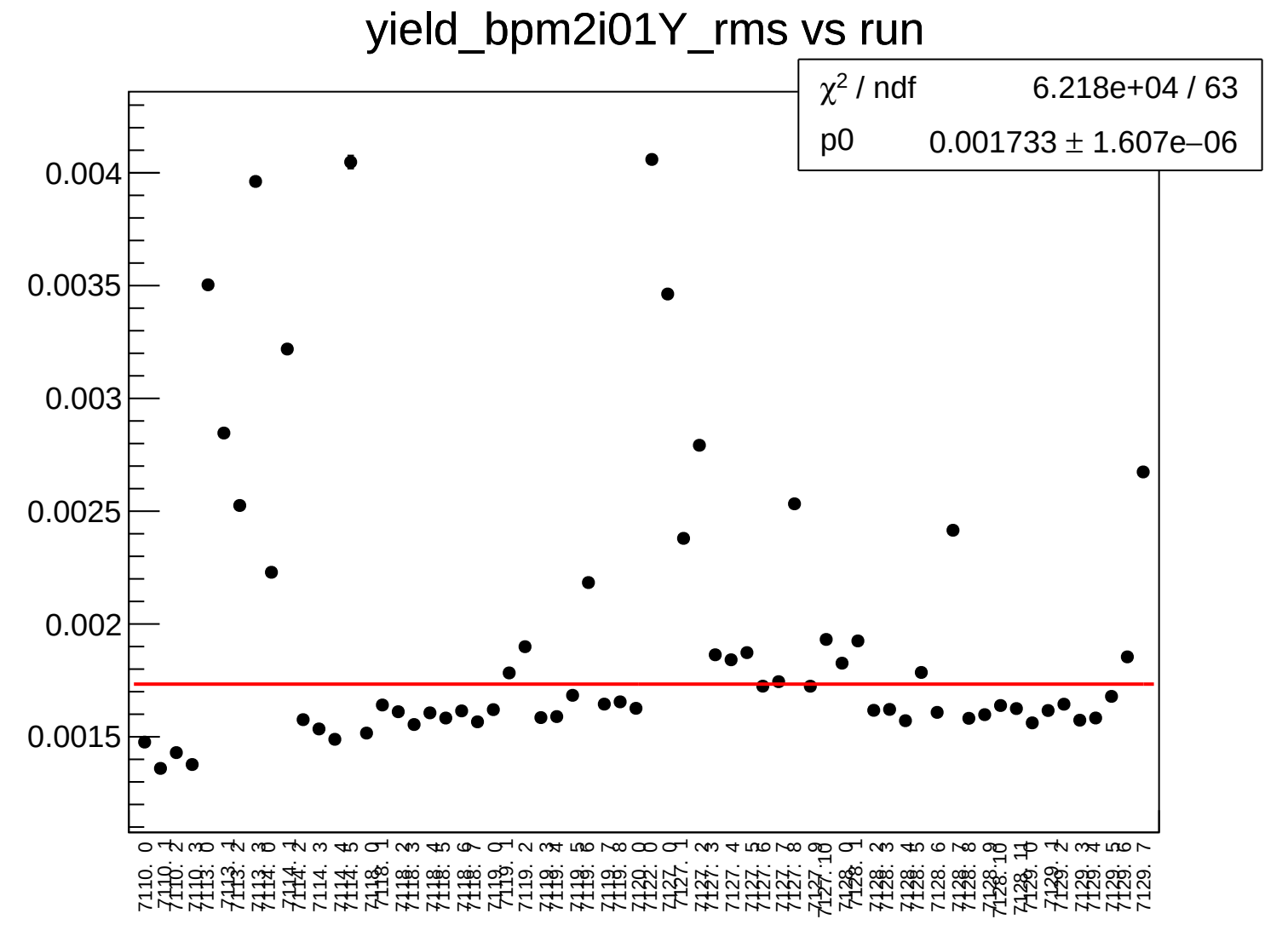

yield_bpm2i01X_mean vs run
χ² / ndf 3.047e+07 / 63
p0 0.5217 ± 1.96e−06
0.535
0.53
0.525
0.52
0.515
0.51
0.505
pull
Entries 64
Mean −2366
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

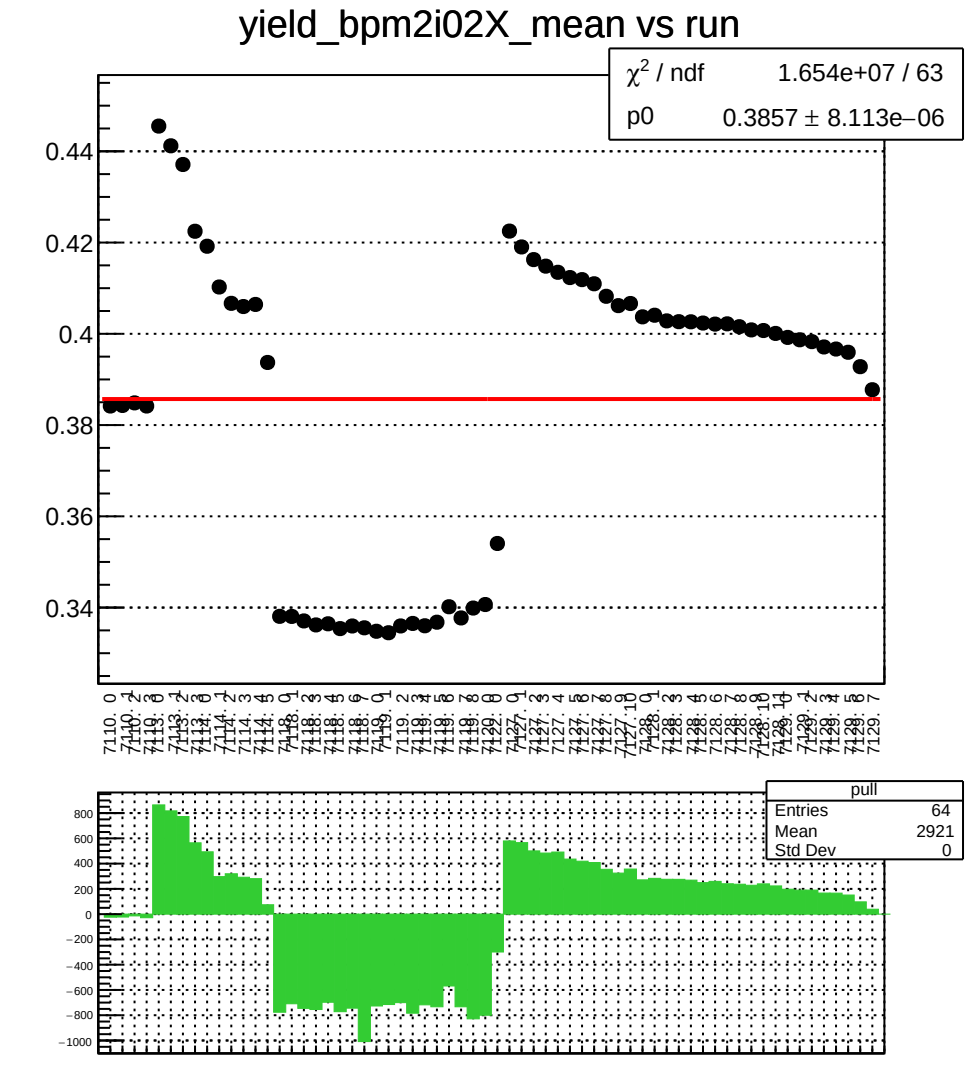

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

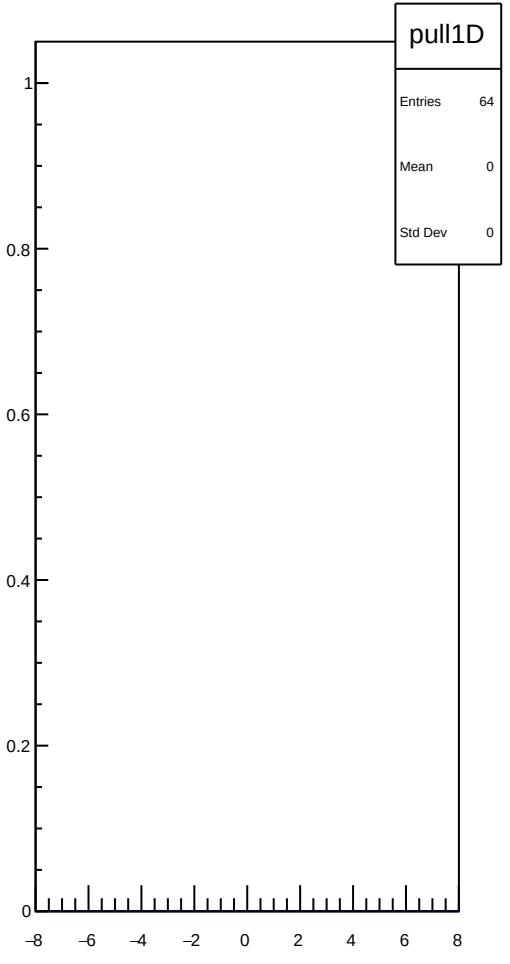

yield_bpm2i01X_rms vs run
χ² / ndf 6669 / 63
p0 0.001531 ± 1.386e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

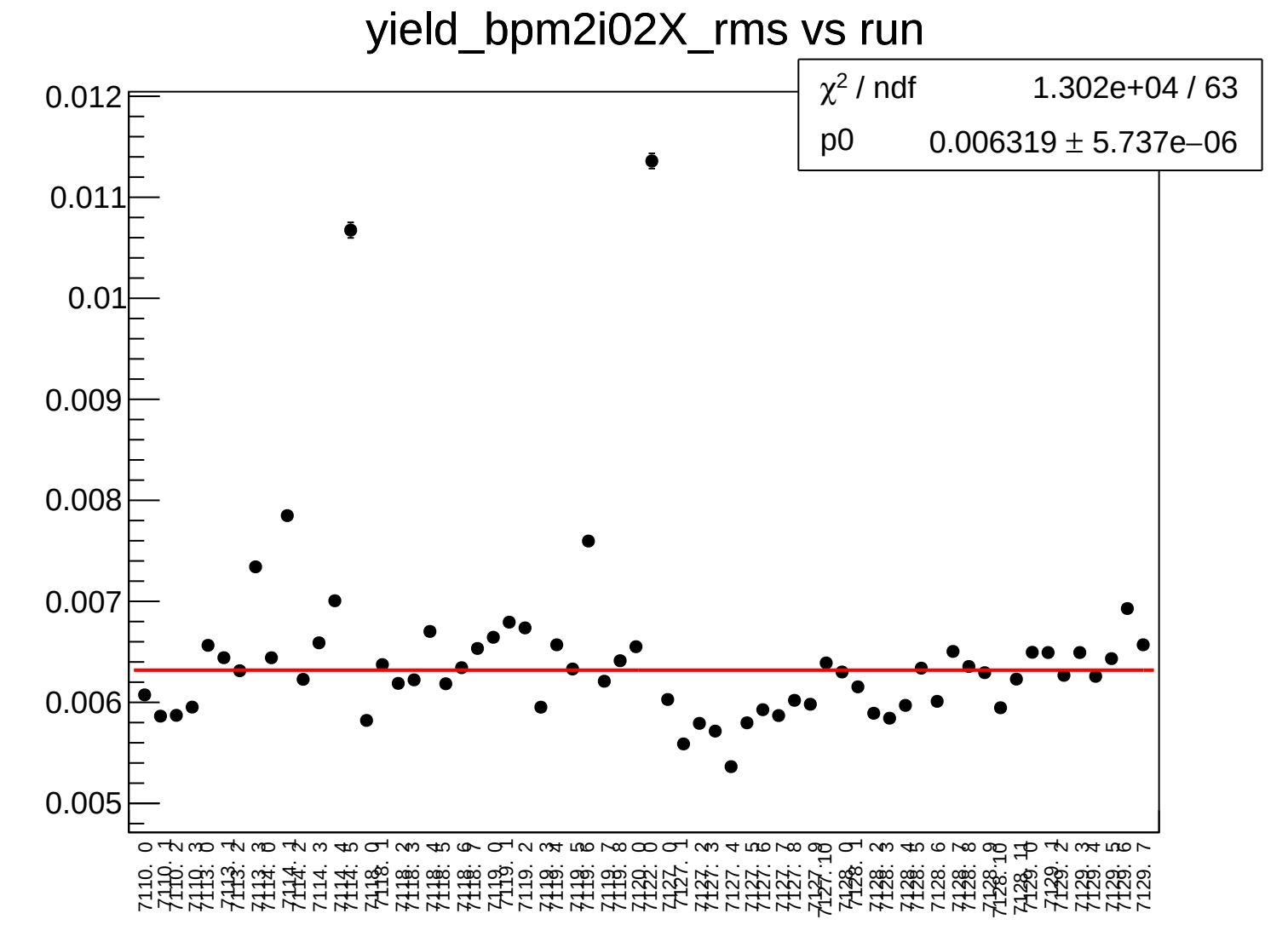

yield_bpm2i01Y_mean vs run
χ² / ndf 1.507e+08 / 63
p0 −3.678 ± 2.272e−06
−3.66
−3.68
−3.7
−3.72
−3.74
−3.76
−3.78
pull
Entries 64
Mean 9.271
Std Dev 0
2000
1000
0
−1000
−2000
−3000

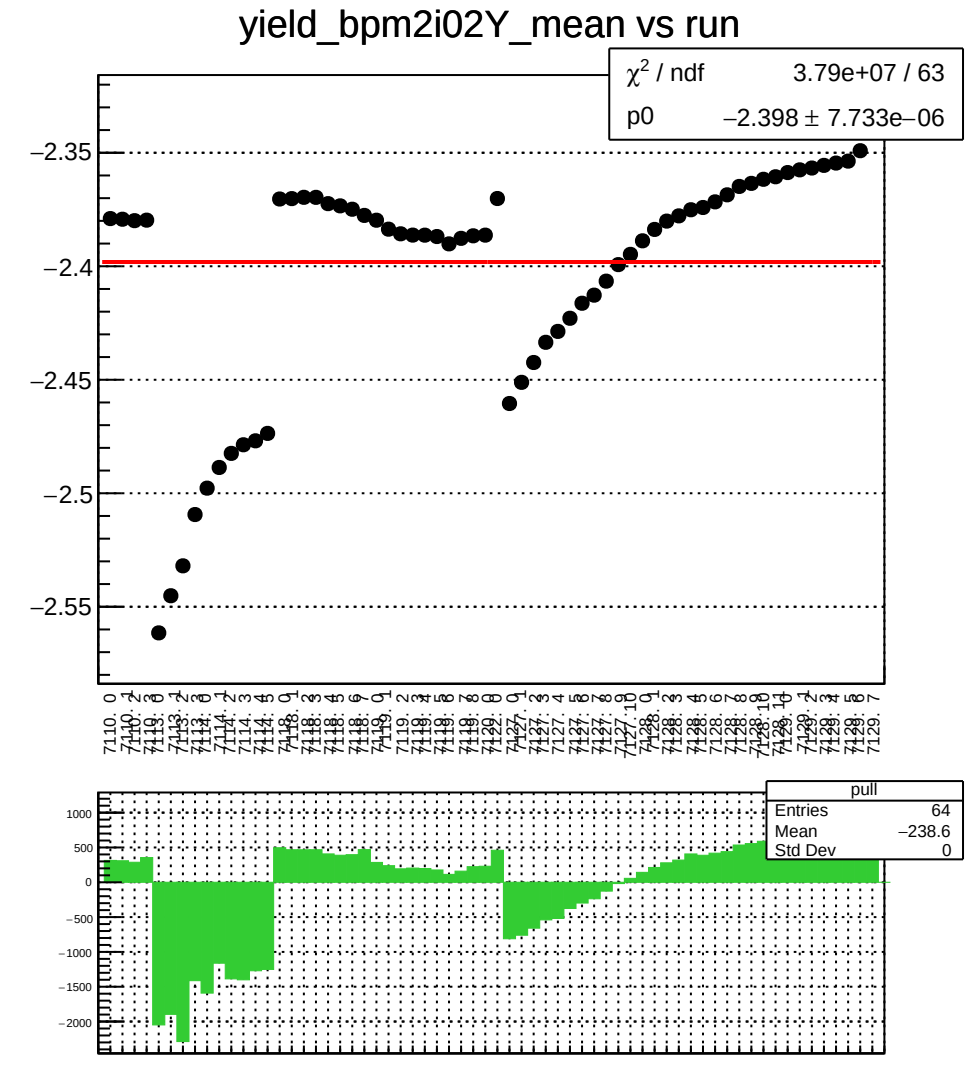

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

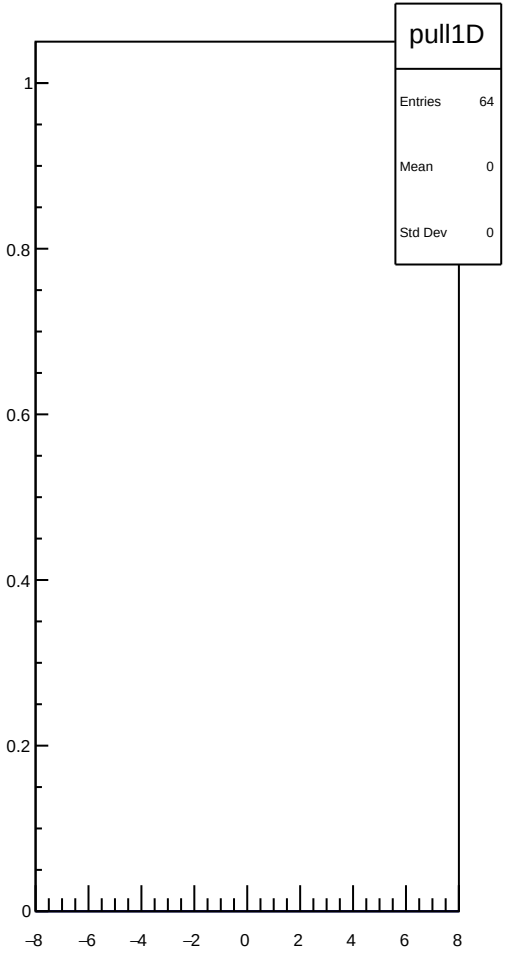

yield_bpm2i01Y_rms vs run
χ² / ndf 6.218e+04 / 63
p0 0.001733 ± 1.607e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015

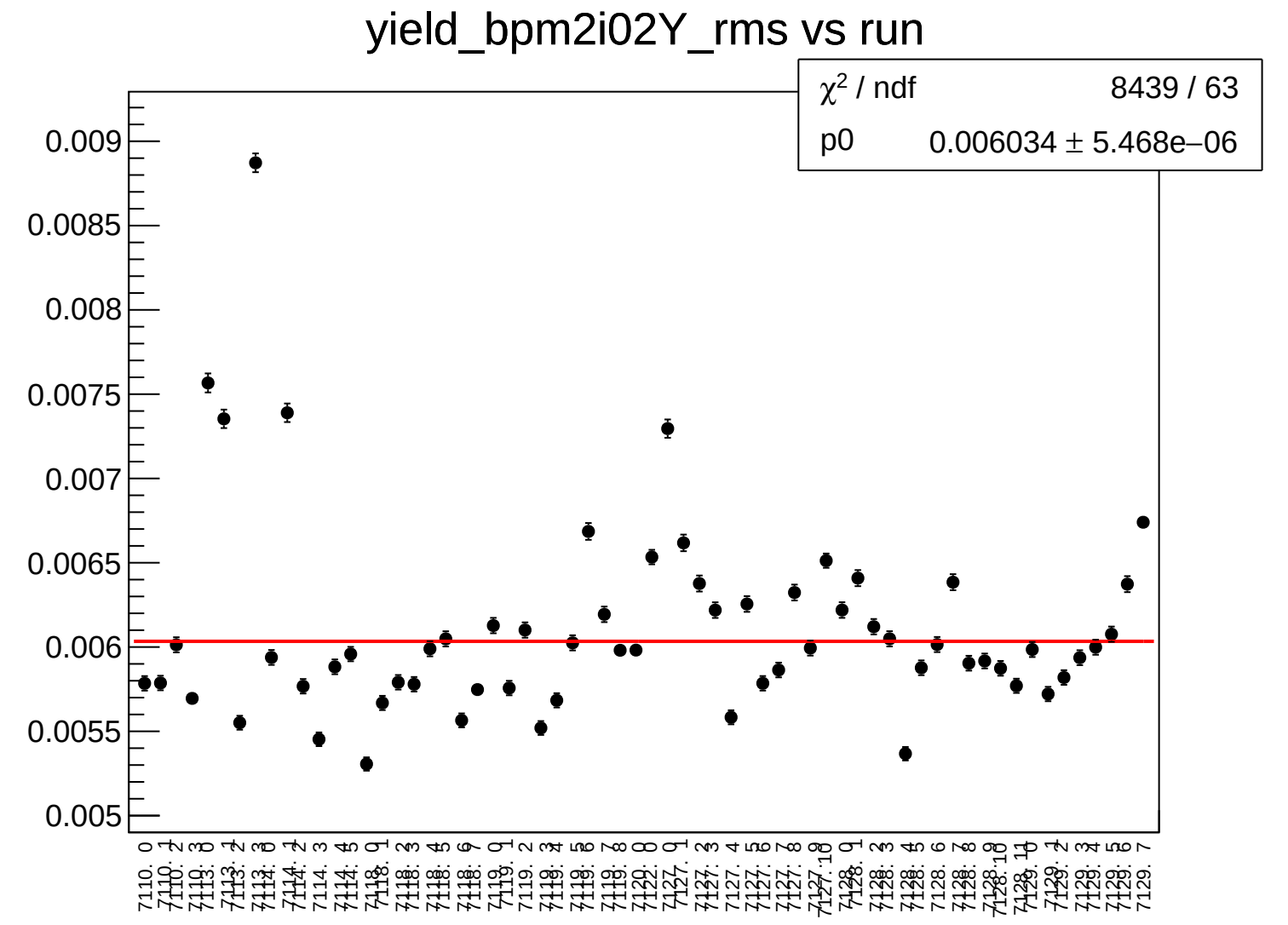

yield_bpm2i02X_mean vs run
χ² / ndf 1.654e+07 / 63
p0 0.3857 ± 8.113e−06
0.44
0.42
0.4
0.38
0.36
0.34
pull
Entries 64
Mean 2921
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

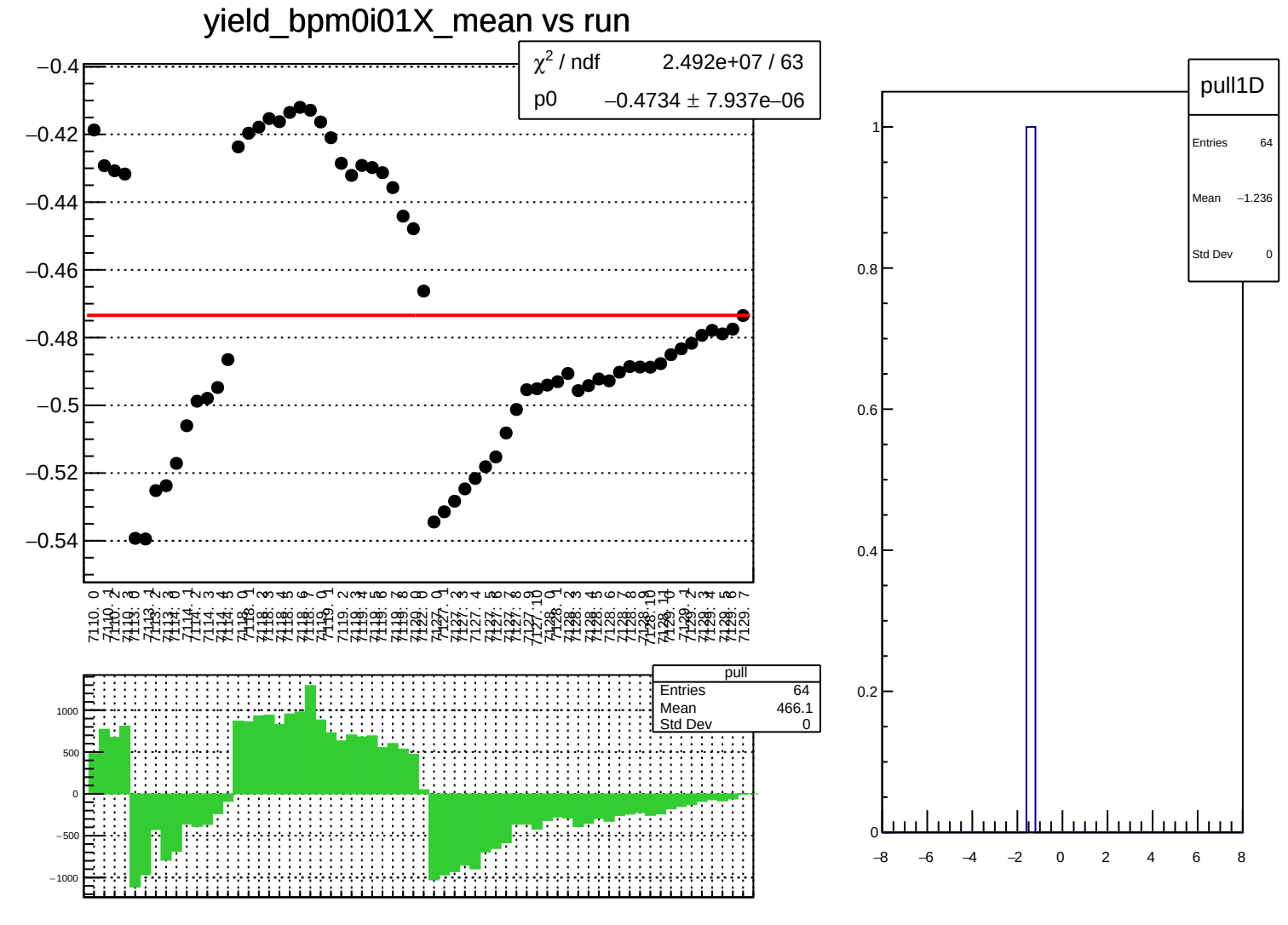

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

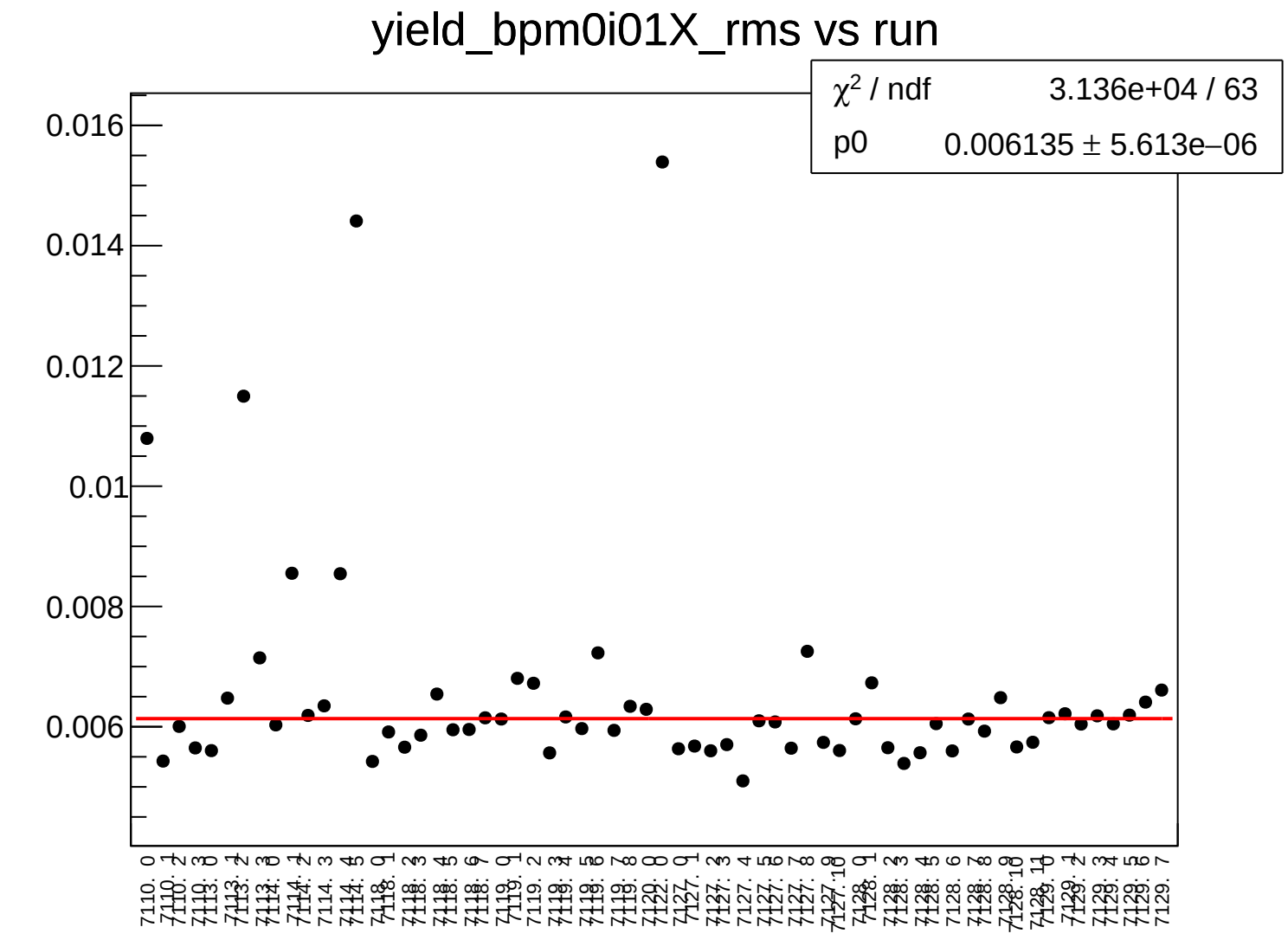

yield_bpm2i02X_rms vs run
χ² / ndf 1.302e+04 / 63
p0 0.006319 ± 5.737e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

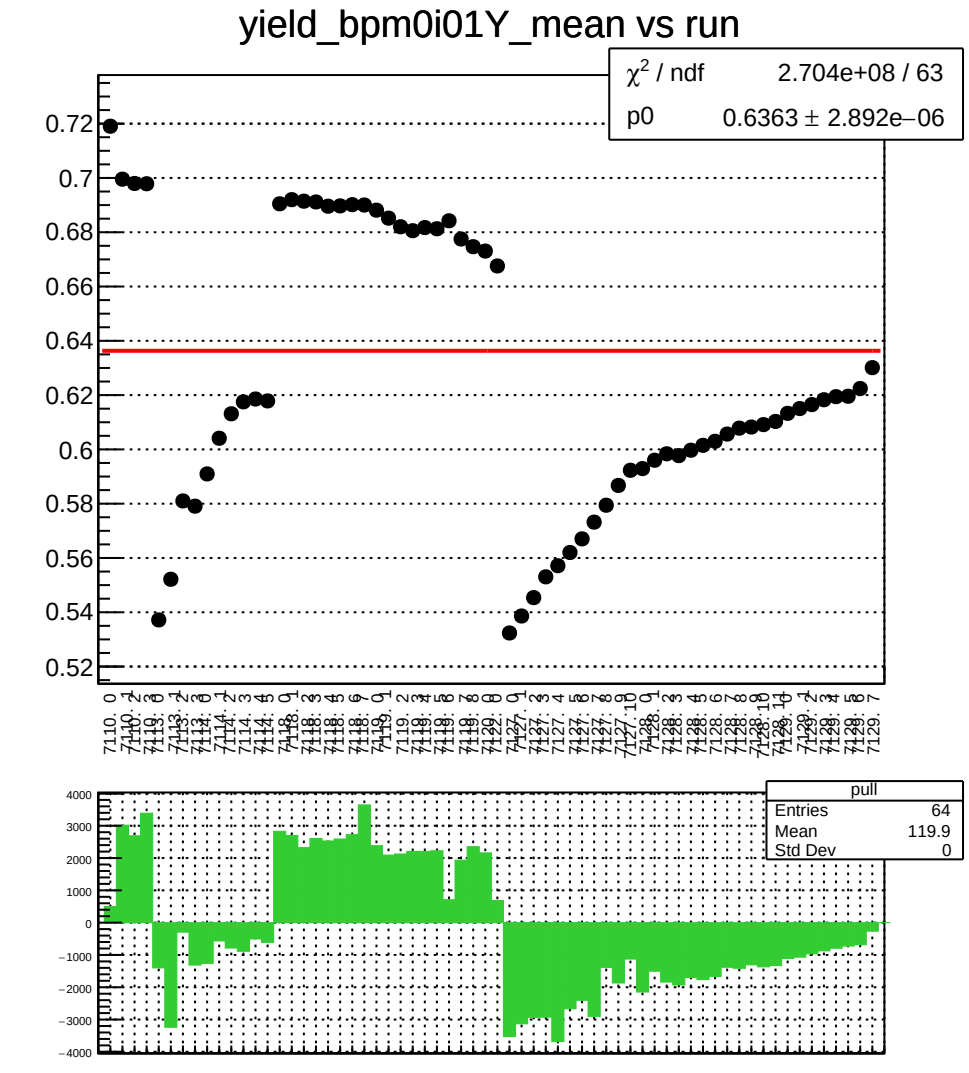

yield_bpm2i02Y_mean vs run
χ² / ndf 3.79e+07 / 63
p0 −2.398 ± 7.733e−06
−2.35
−2.4
−2.45
−2.5
−2.55
pull
Entries 64
Mean −238.6
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

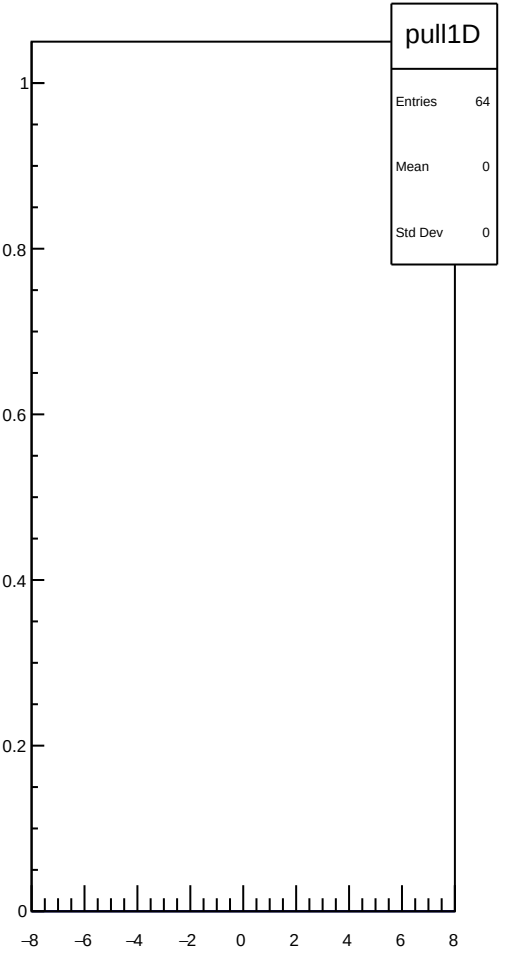

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

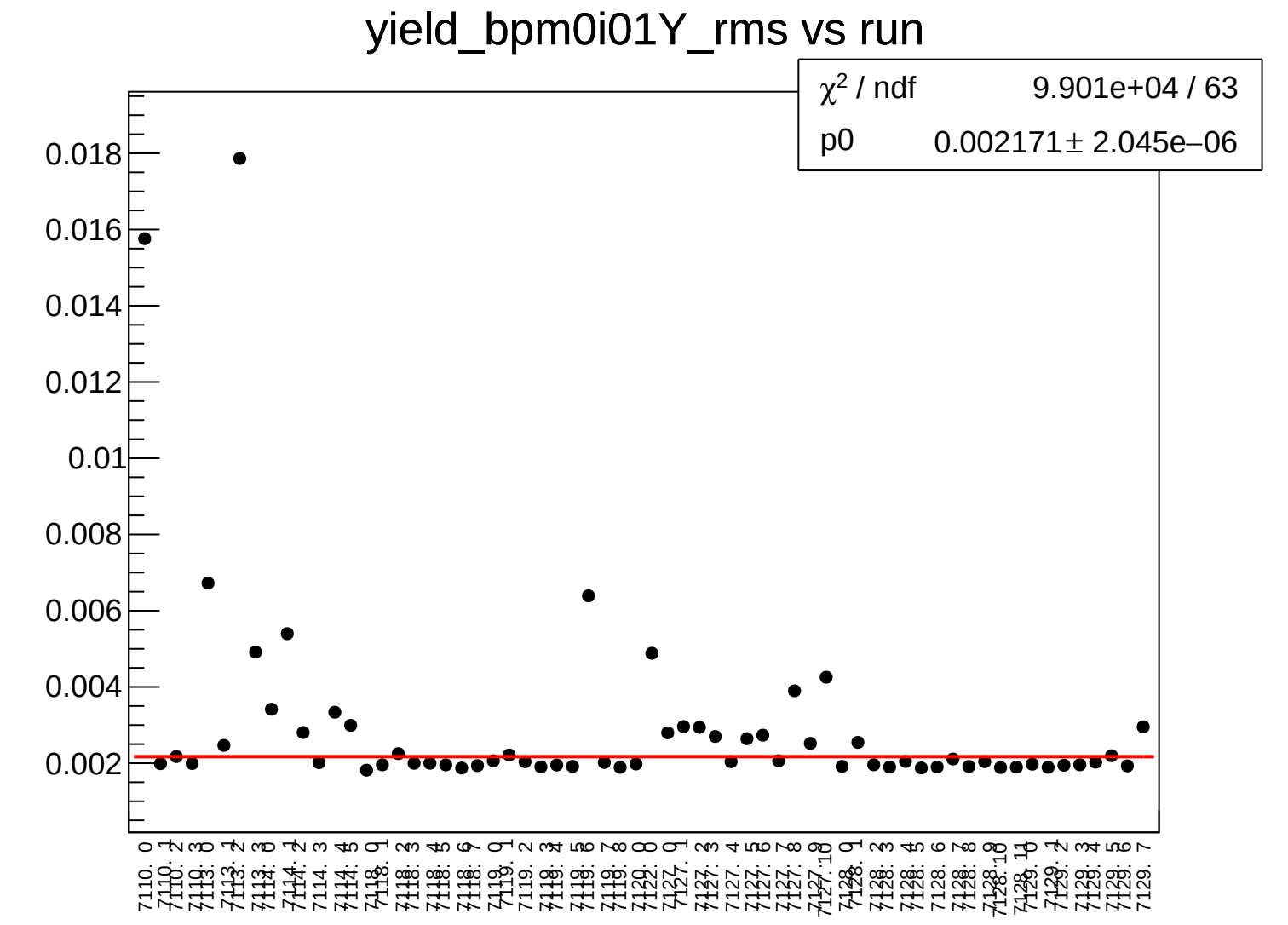

yield_bpm2i02Y_rms vs run
χ² / ndf 8439 / 63
p0 0.006034 ± 5.468e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005

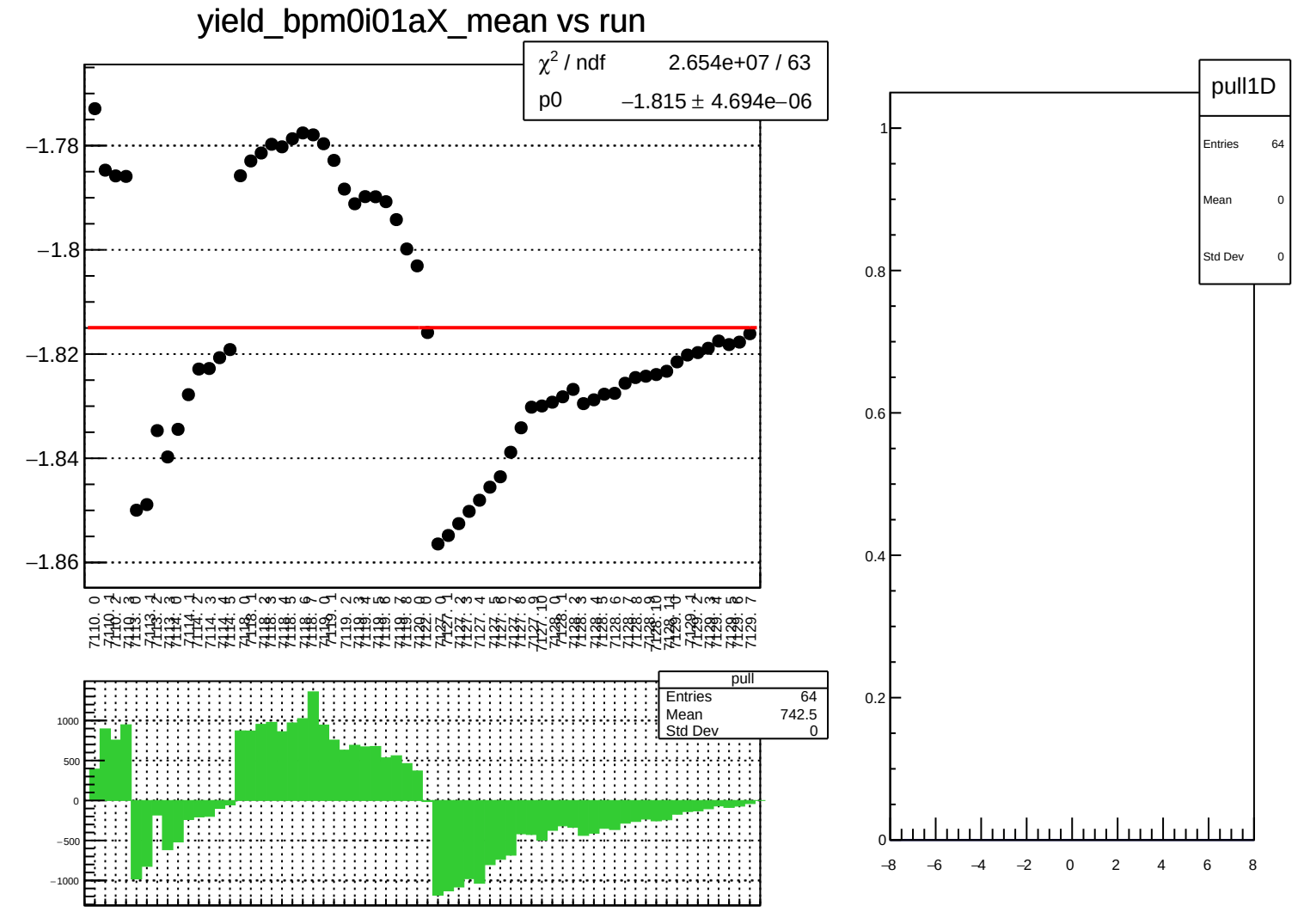

yield_bpm0i01X_mean vs run
χ² / ndf 2.492e+07 / 63
p0 −0.4734 ± 7.937e−06
pull
Entries 64
Mean 466.1
Std Dev 0
pull1D
Entries 64
Mean −1.236
Std Dev 0

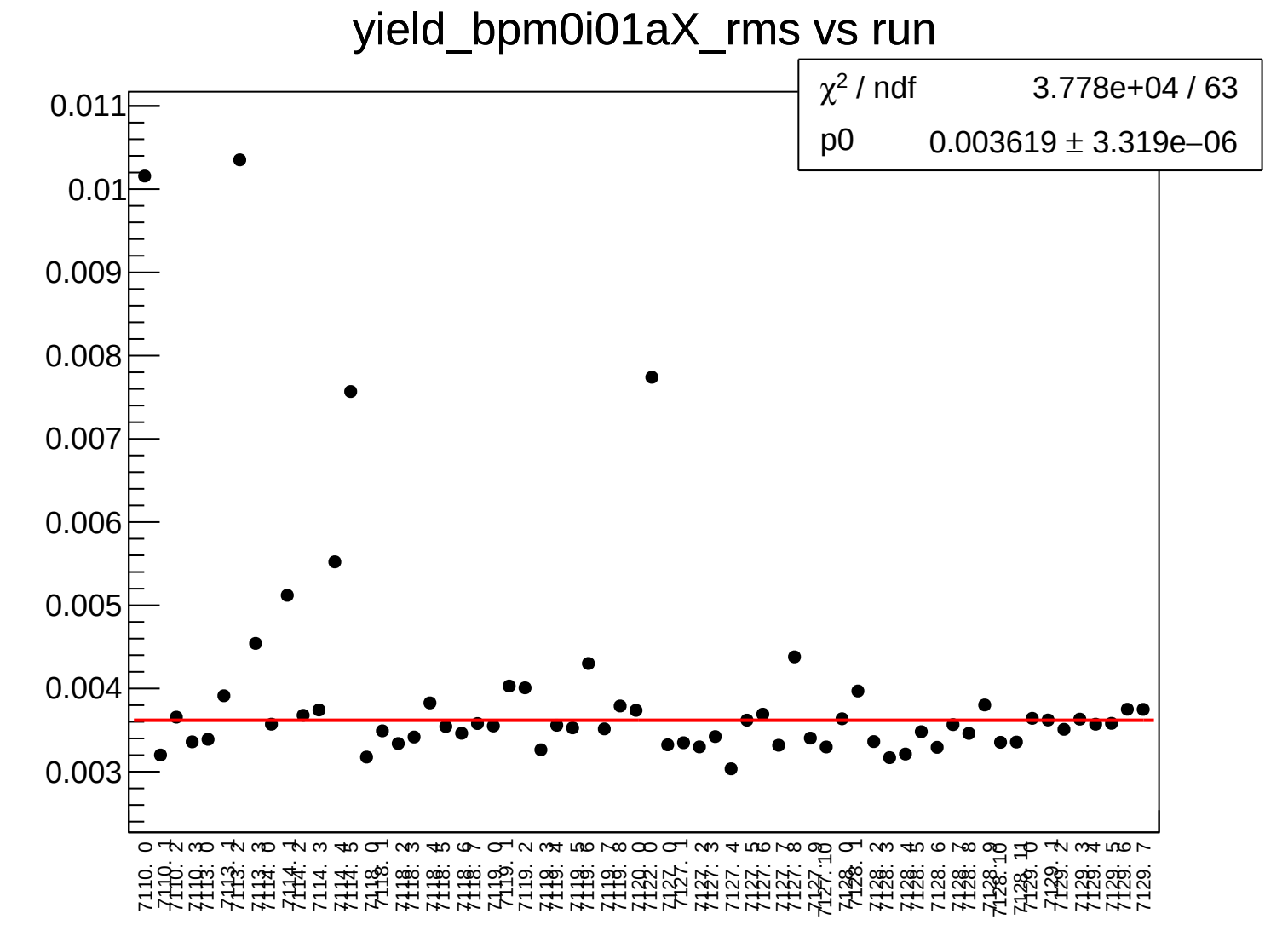

yield_bpm0i01X_rms vs run
χ² / ndf 3.136e+04 / 63
p0 0.006135 ± 5.613e−06
0.016
0.014
0.012
0.01
0.008
0.006

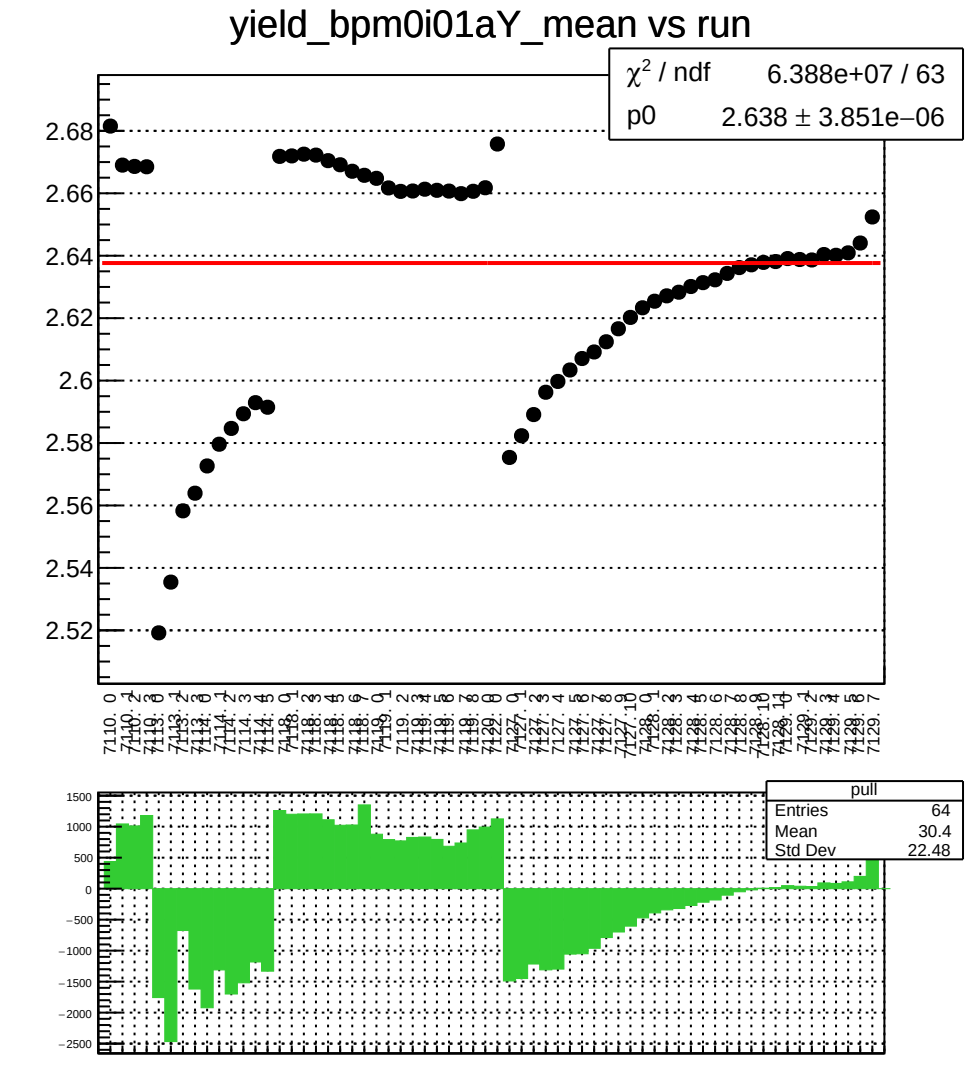

yield_bpm0i01Y_mean vs run
χ² / ndf 2.704e+08 / 63
p0 0.6363 ± 2.892e−06
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
0.52
pull
Entries 64
Mean 119.9
Std Dev 0
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000

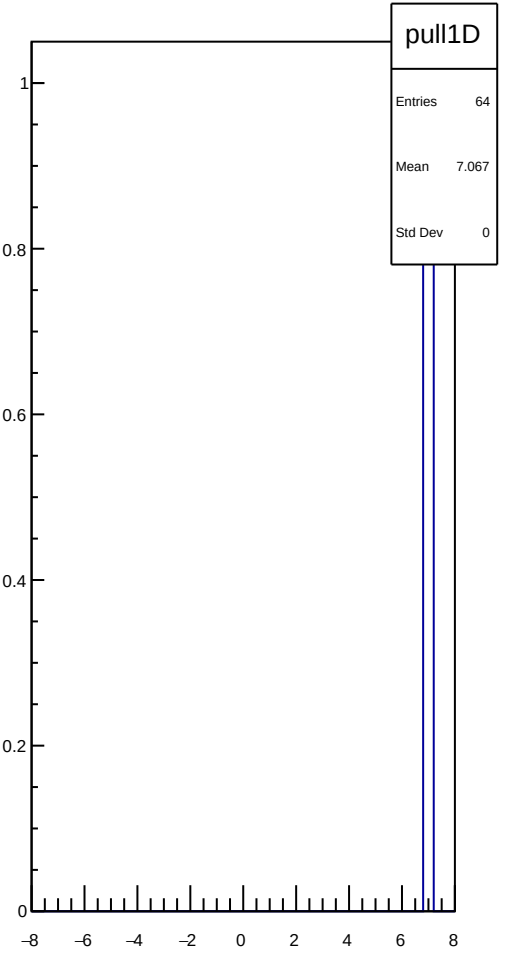

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

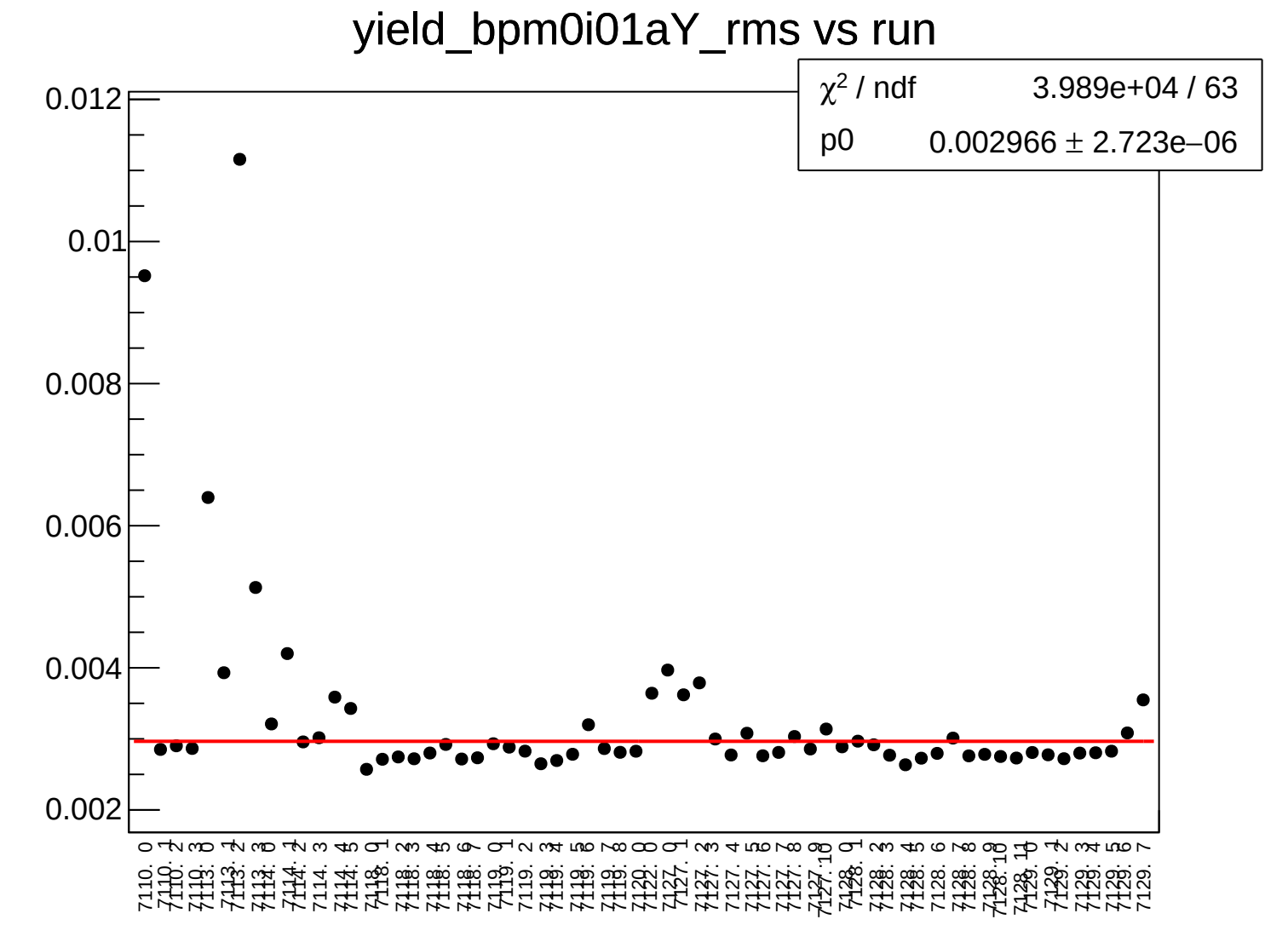

yield_bpm0i01Y_rms vs run
χ^2 / ndf 9.901e+04 / 63
p0 0.002171 ± 2.045e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

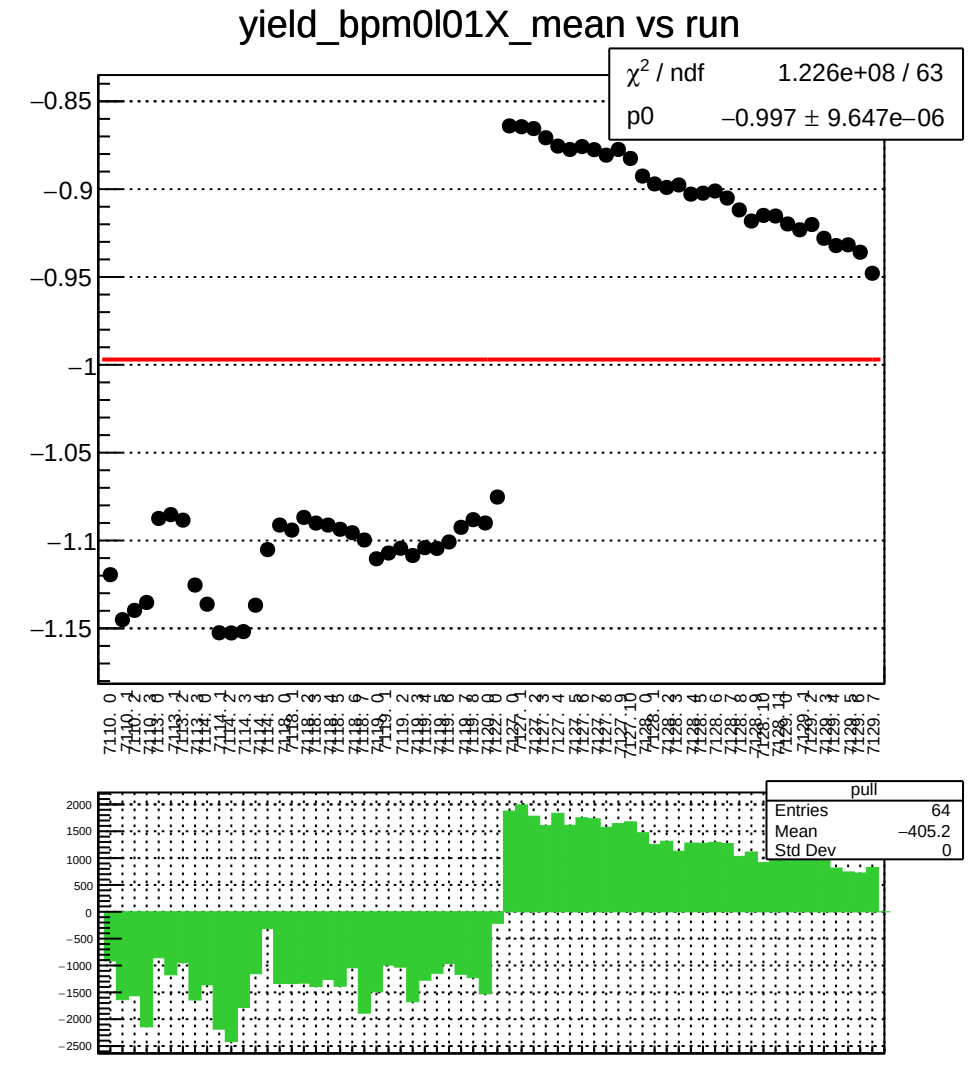

yield_bpm0i01aX_mean vs run
χ² / ndf 2.654e+07 / 63
p0 −1.815 ± 4.694e−06
−1.78
−1.8
−1.82
−1.84
−1.86
pull
Entries 64
Mean 742.5
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

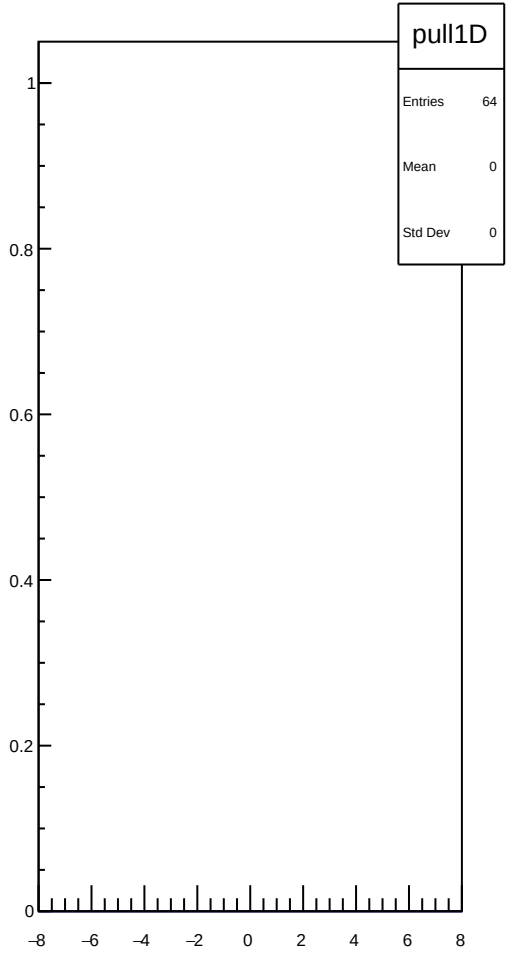

yield_bpm0i01aX_rms vs run
χ² / ndf 3.778e+04 / 63
p0 0.003619 ± 3.319e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

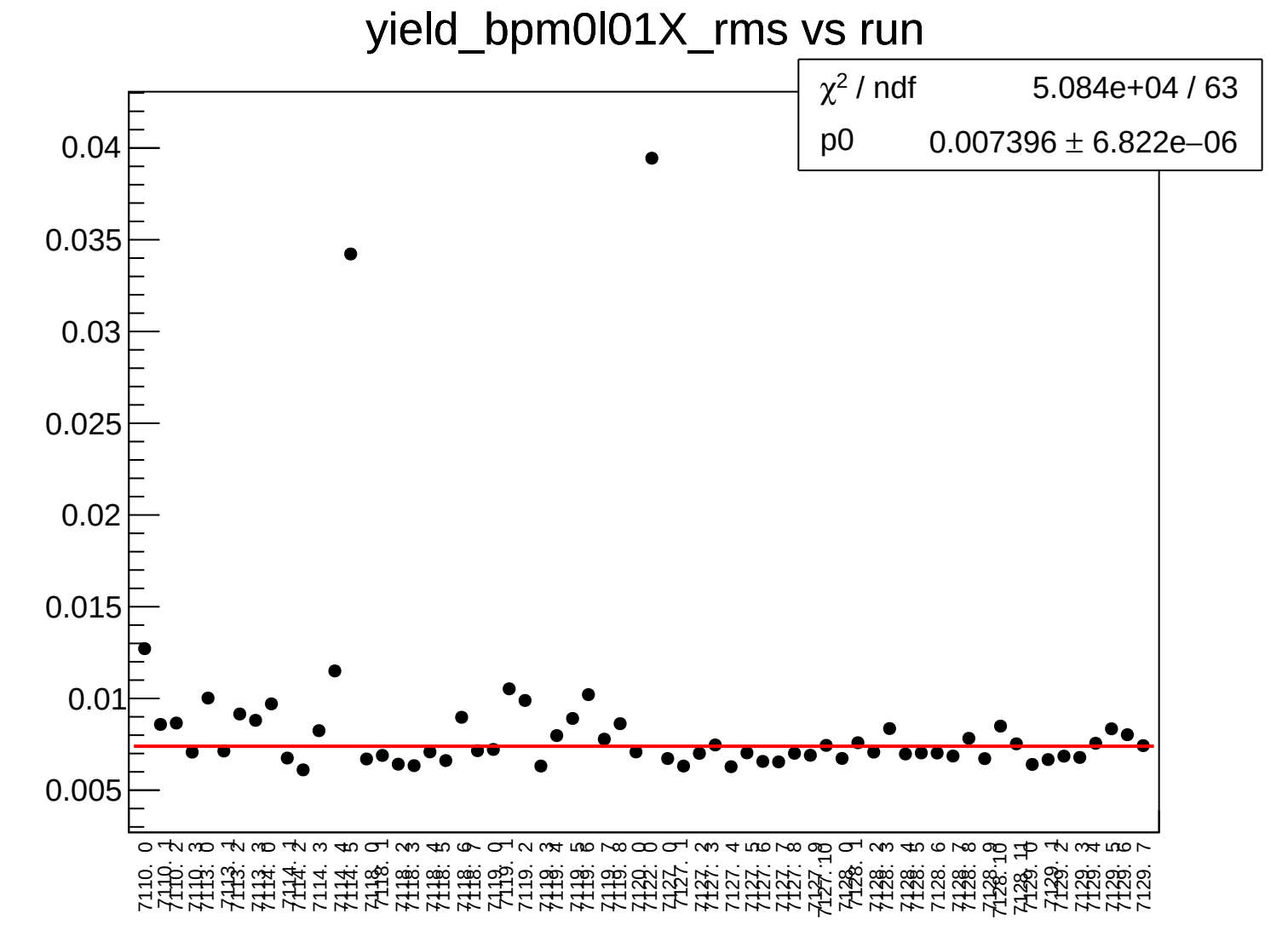

yield_bpm0i01aY_mean vs run
χ² / ndf 6.388e+07 / 63
p0 2.638 ± 3.851e−06
pull
Entries 64
Mean 30.4
Std Dev 22.48

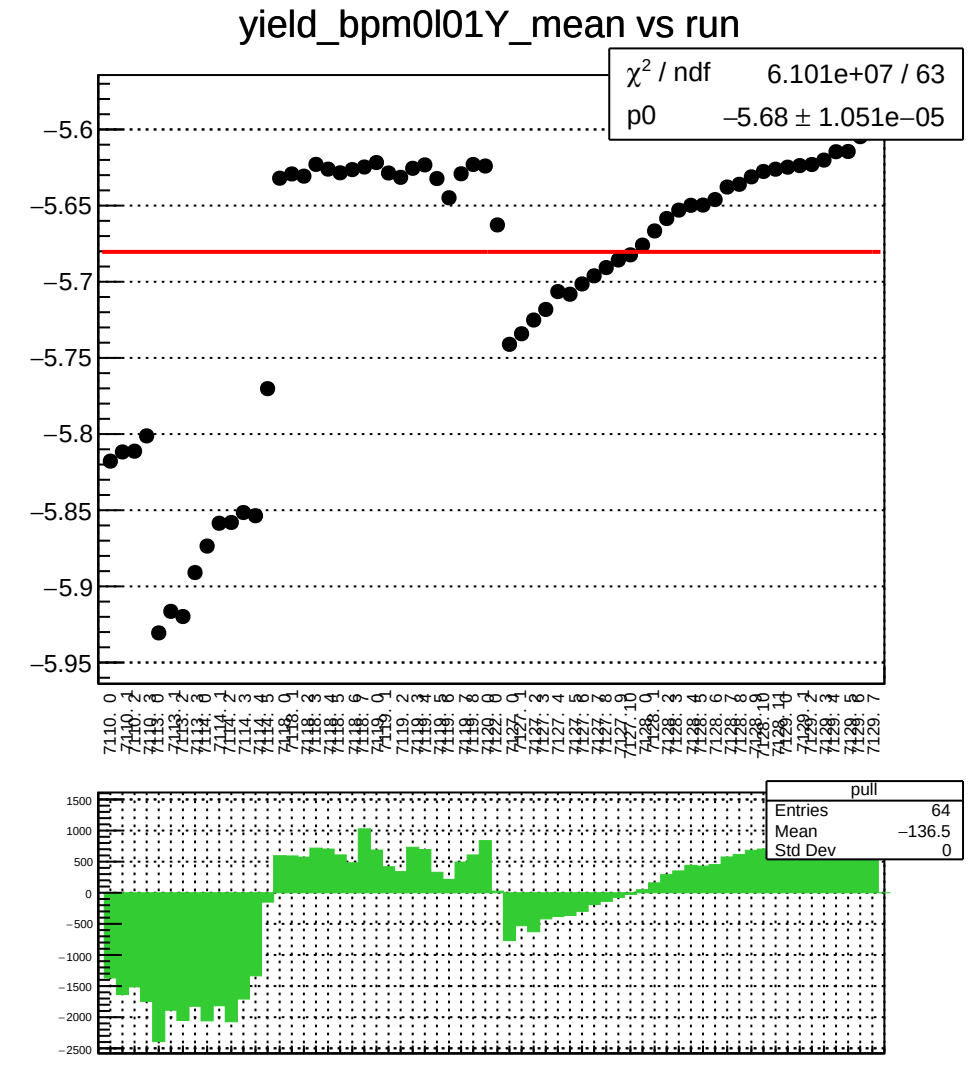

pull1D
Entries 64
Mean 7.067
Std Dev 0

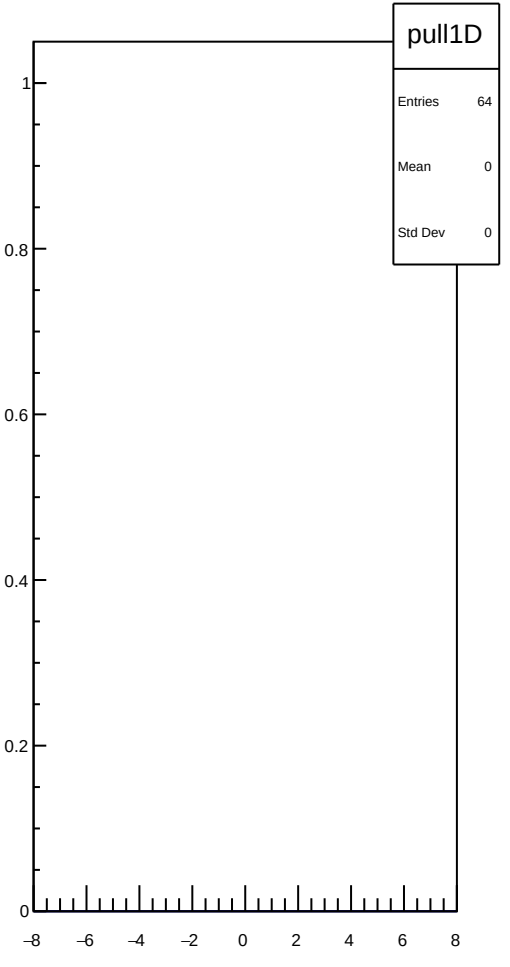

yield_bpm0i01aY_rms vs run
χ² / ndf 3.989e+04 / 63
p0 0.002966 ± 2.723e−06
0.012
0.01
0.008
0.006
0.004
0.002

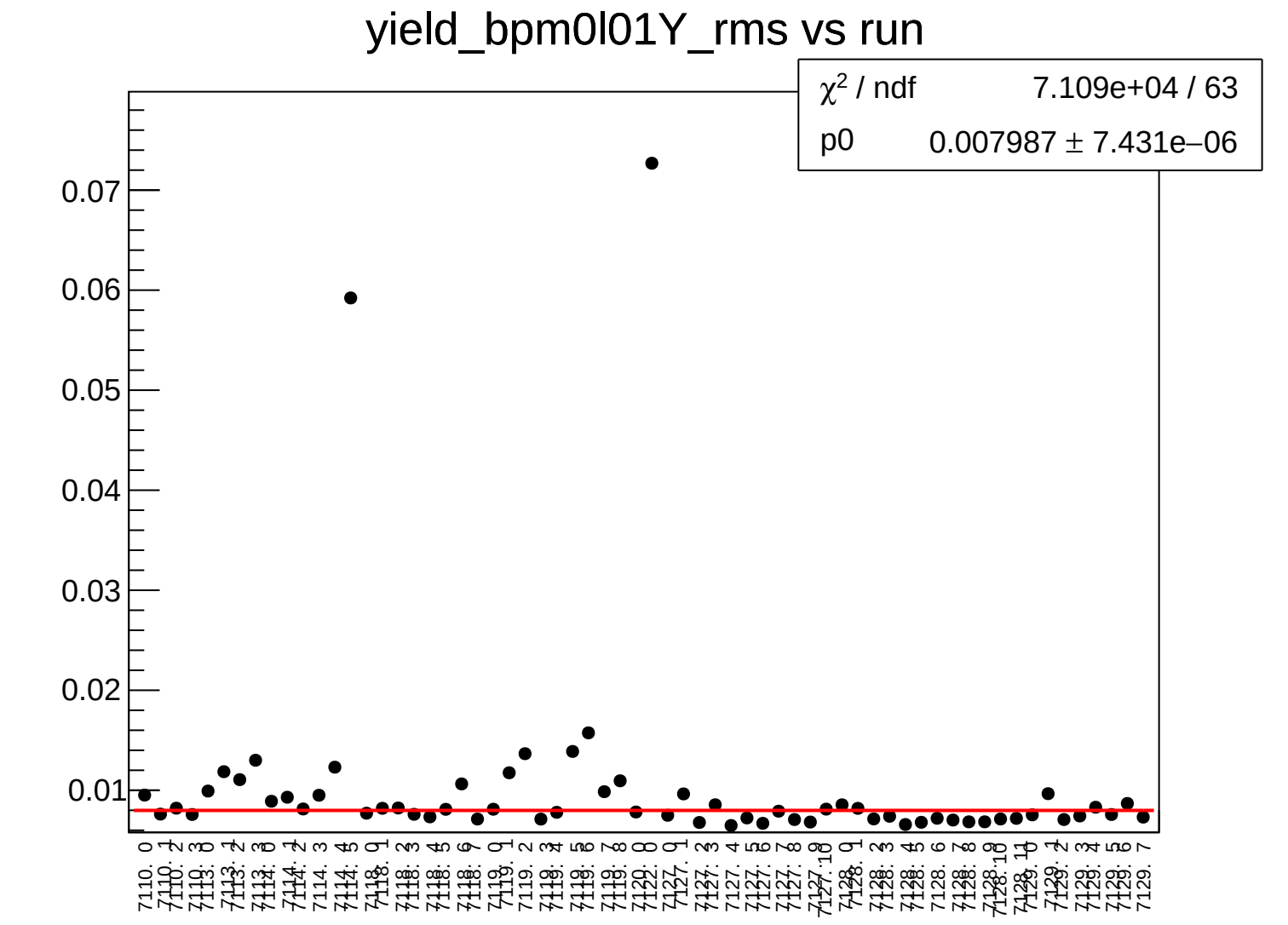

yield_bpm0l01X_mean vs run
χ² / ndf 1.226e+08 / 63
p0 −0.997 ± 9.647e−06
pull
Entries 64
Mean −405.2
Std Dev 0

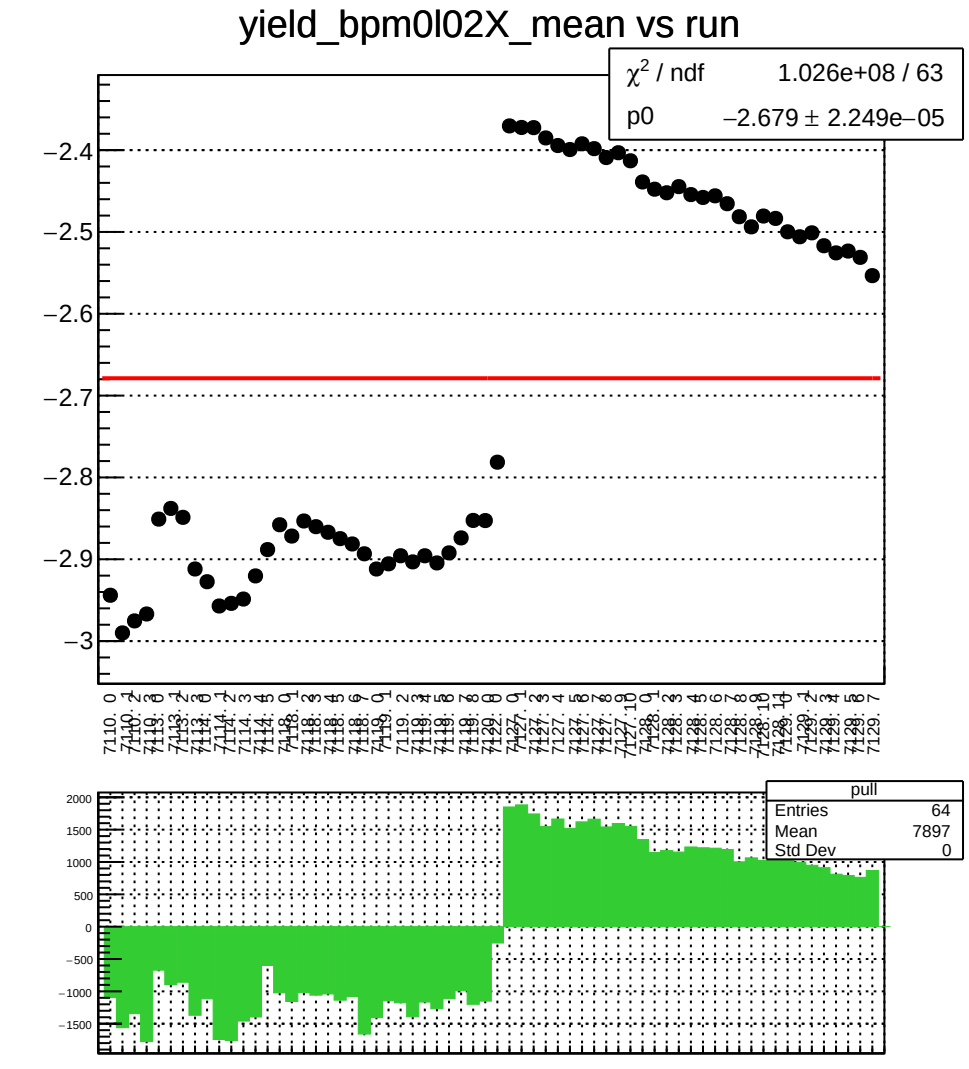

pull1D
Entries 64
Mean 0
Std Dev 0

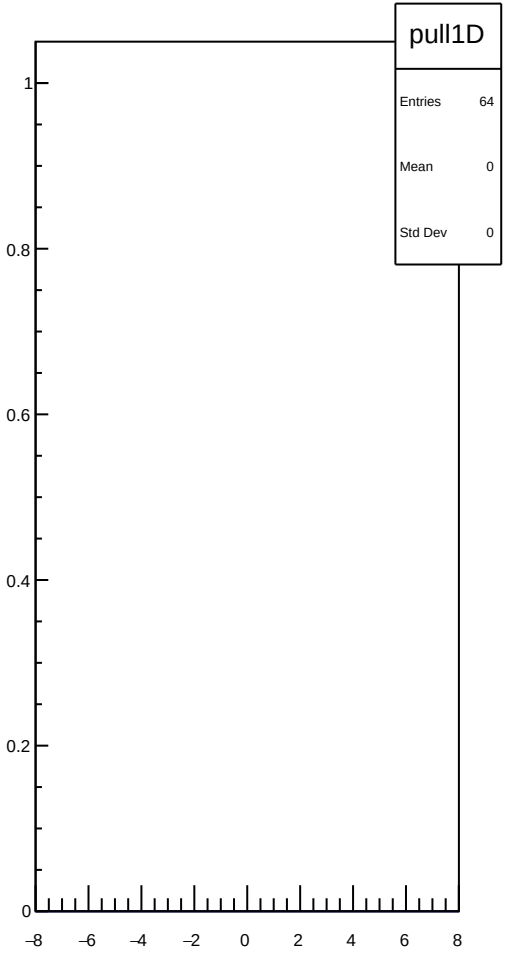

yield_bpm0l01X_rms vs run
χ^2 / ndf 5.084e+04 / 63
p0 0.007396 ± 6.822e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

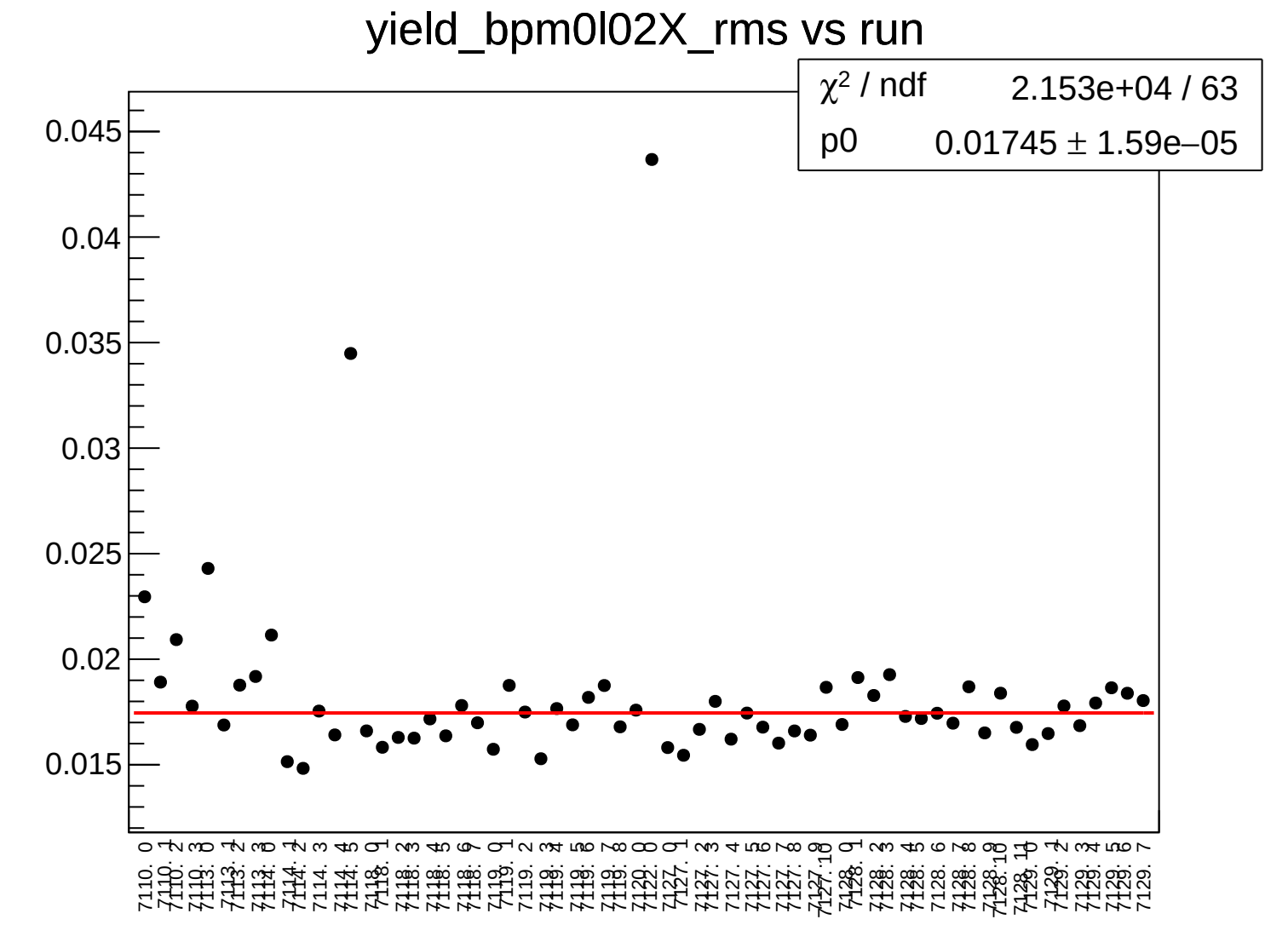

yield_bpm0l01Y_mean vs run
χ² / ndf 6.101e+07 / 63
p0 −5.68 ± 1.051e−05
−5.6
−5.65
−5.7
−5.75
−5.8
−5.85
−5.9
−5.95
pull
Entries 64
Mean −136.5
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

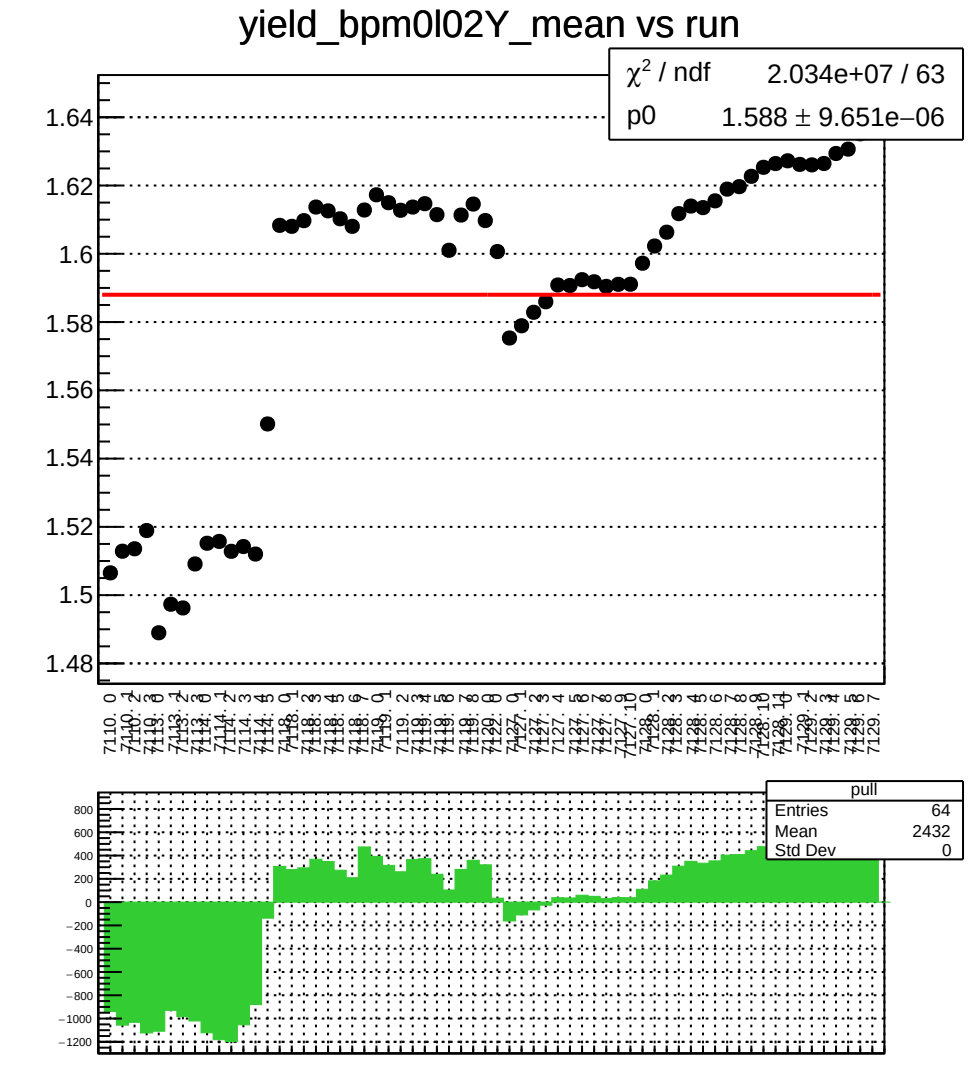

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

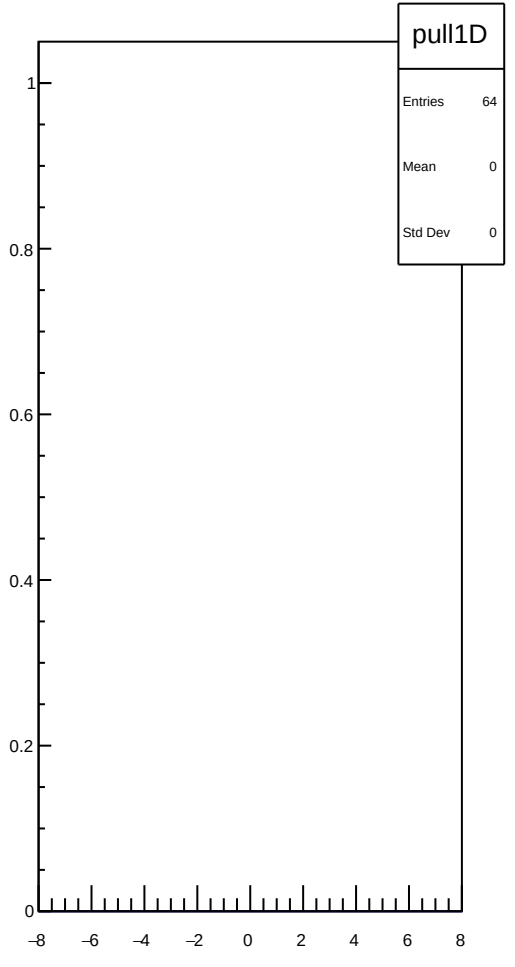

yield_bpm0l01Y_rms vs run
χ² / ndf 7.109e+04 / 63
p0 0.007987 ± 7.431e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

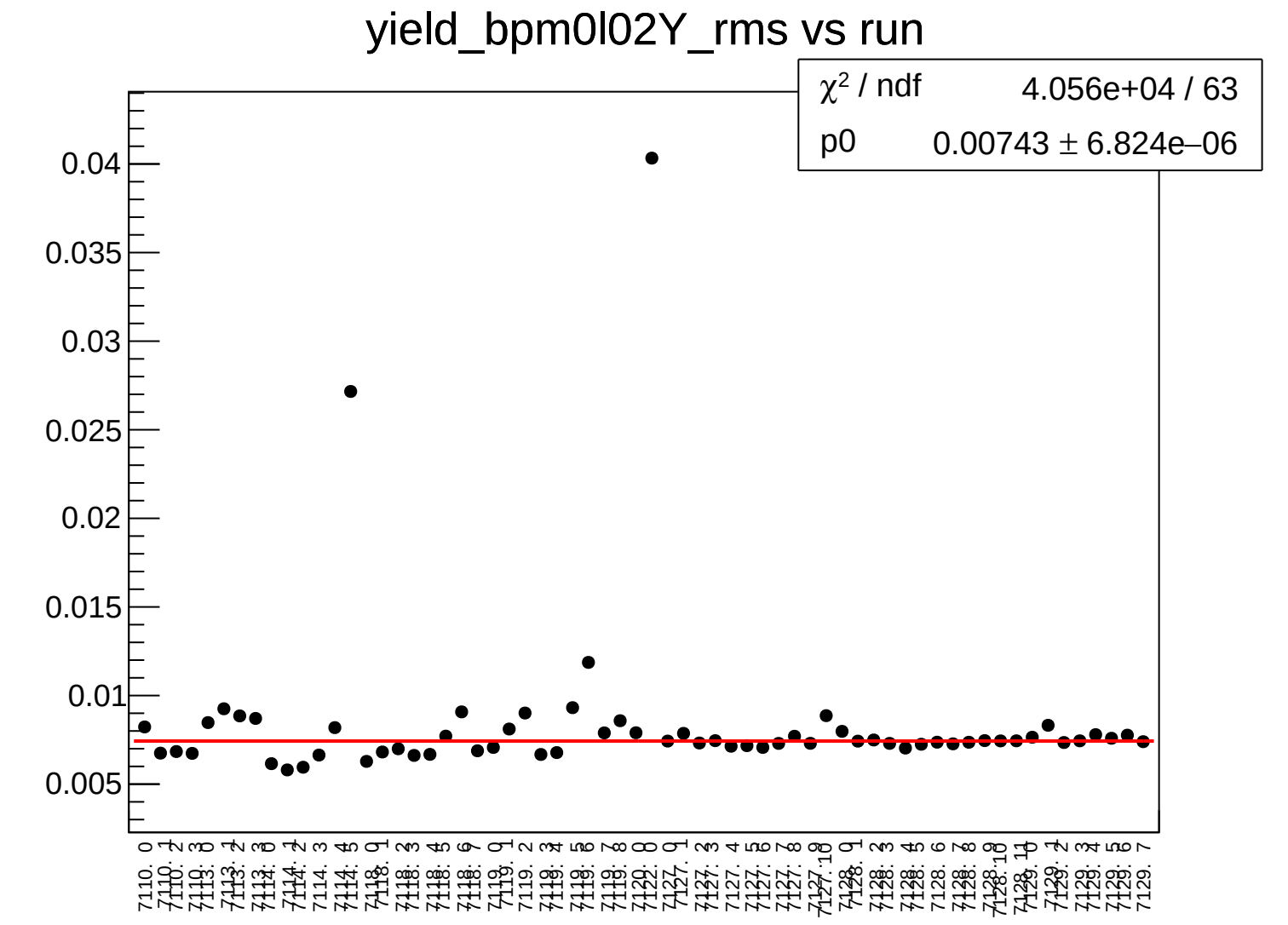

yield_bpm0l02X_mean vs run
χ² / ndf 1.026e+08 / 63
p0 −2.679 ± 2.249e−05
pull
Entries 64
Mean 7897
Std Dev 0

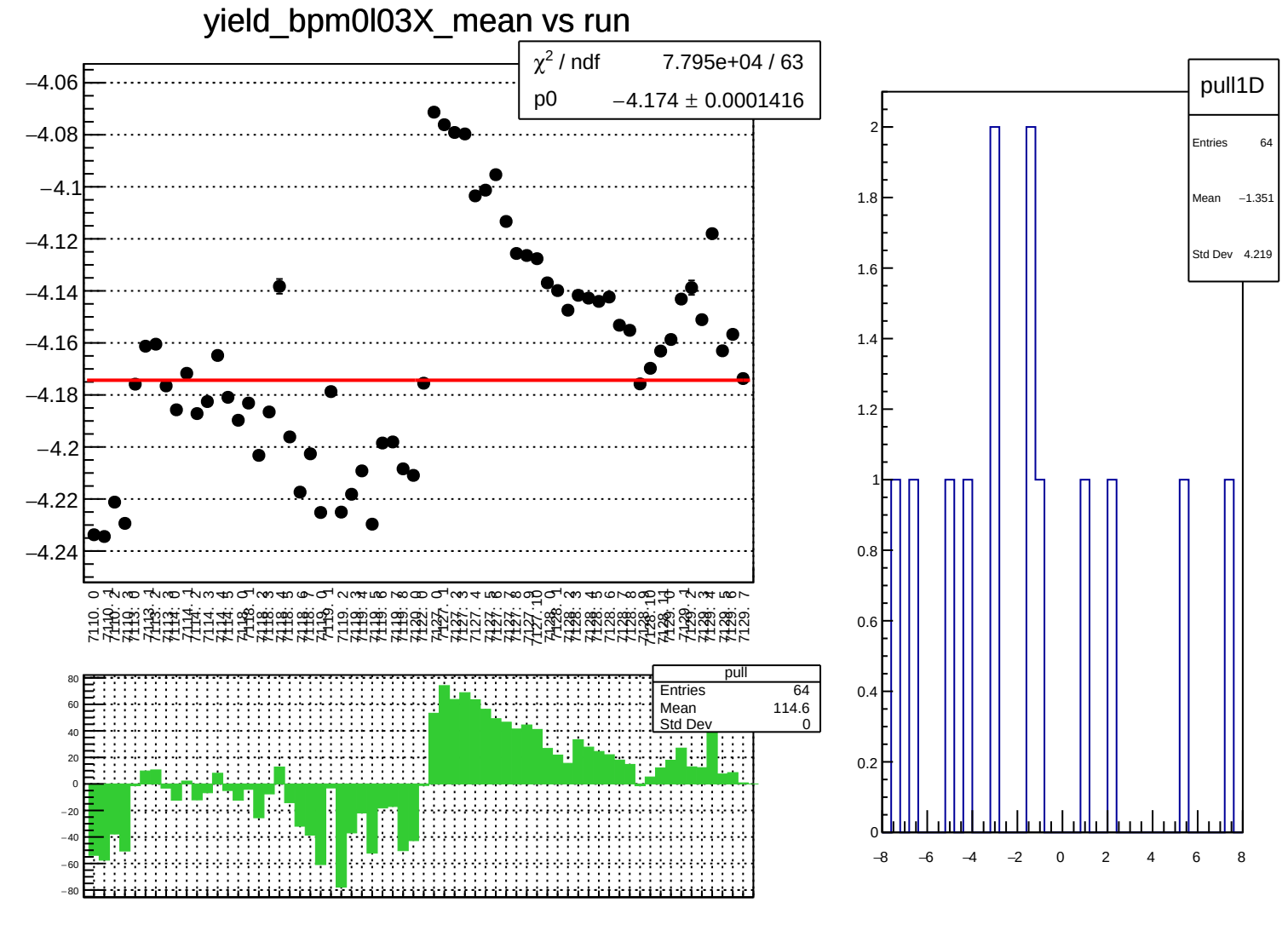

pull1D
Entries 64
Mean 0
Std Dev 0

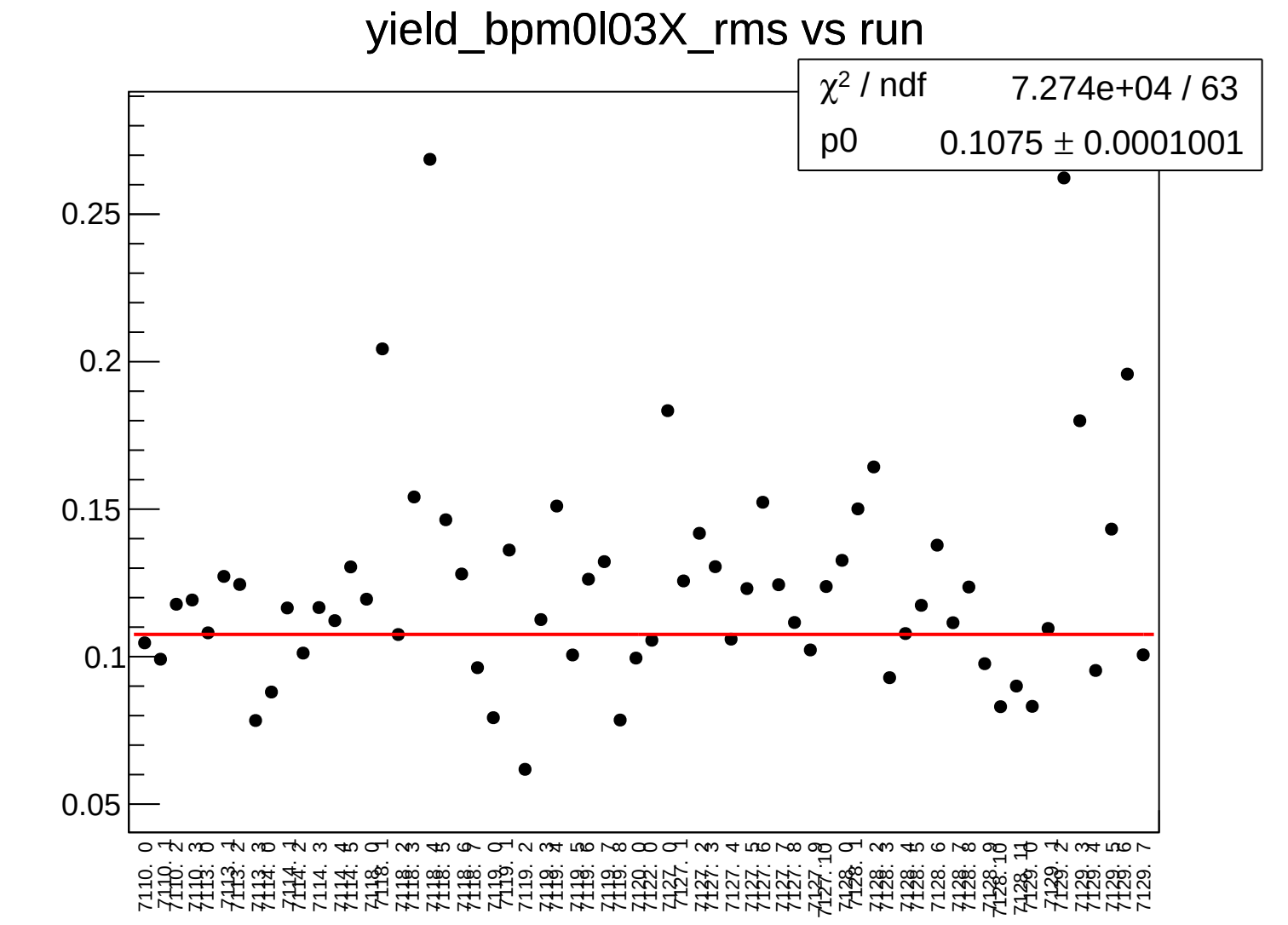

yield_bpm0l02X_rms vs run
χ² / ndf 2.153e+04 / 63
p0 0.01745 ± 1.59e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

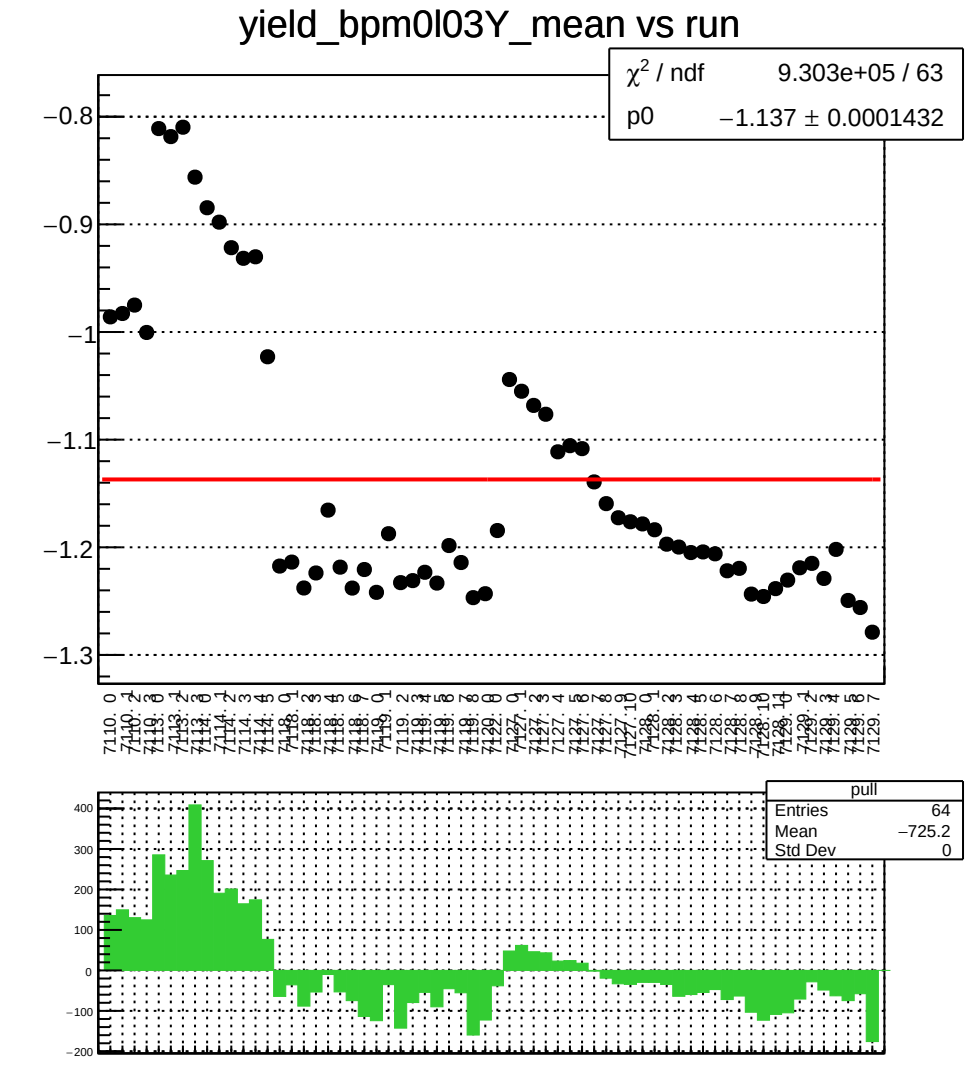

yield_bpm0l02Y_mean vs run
χ² / ndf 2.034e+07 / 63
p0 1.588 ± 9.651e−06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
pull
Entries 64
Mean 2432
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

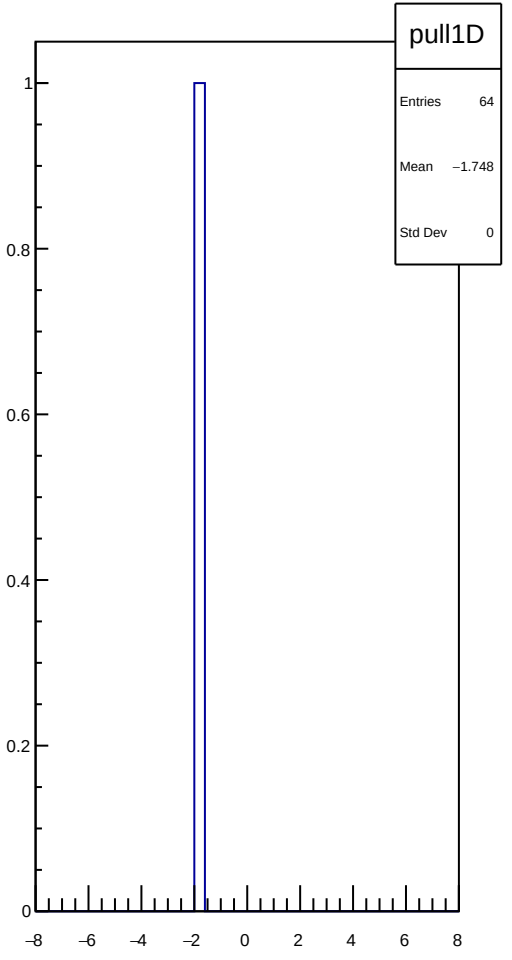

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

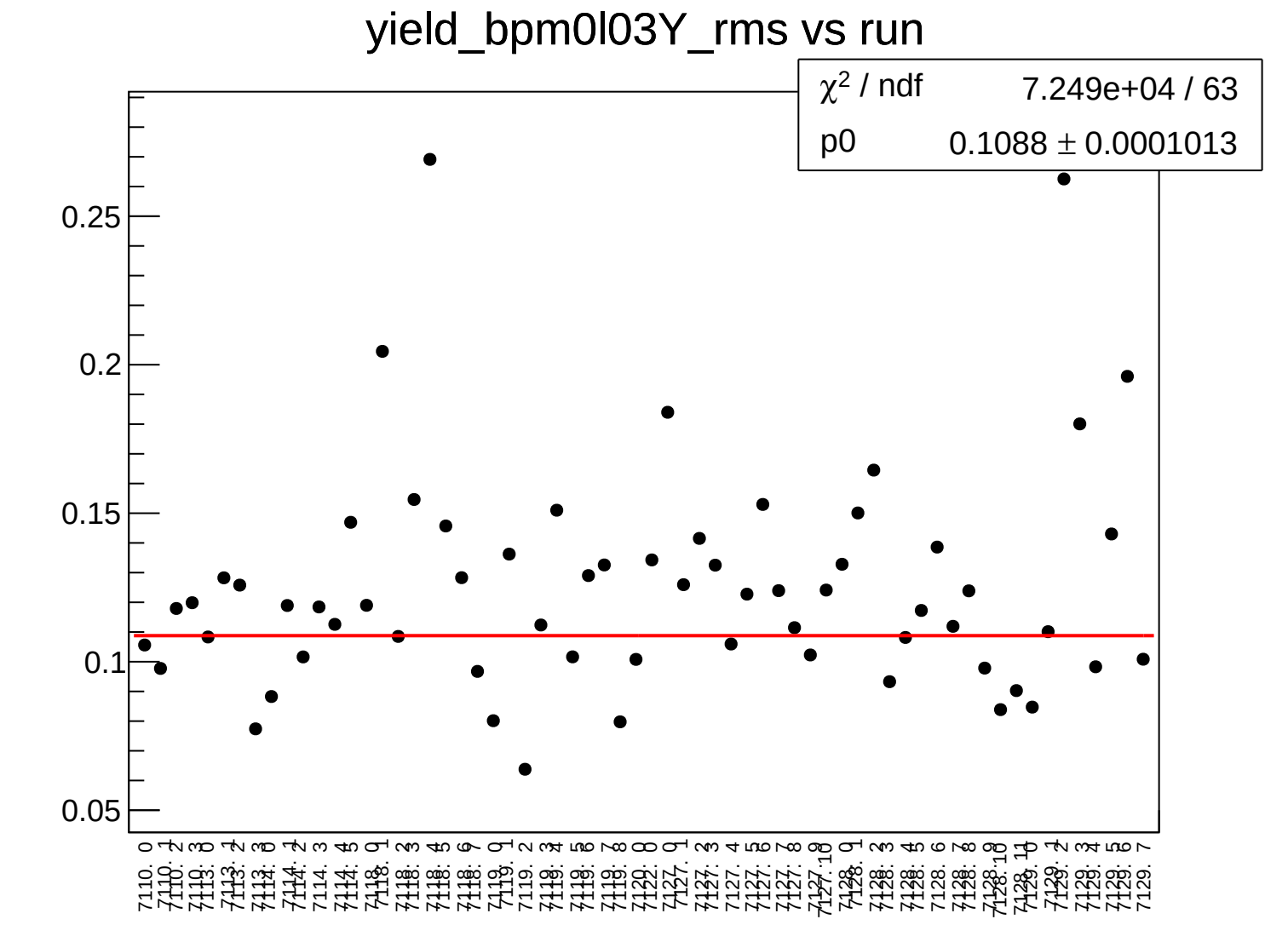

yield_bpm0l02Y_rms vs run
χ² / ndf 4.056e+04 / 63
p0 0.00743 ± 6.824e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

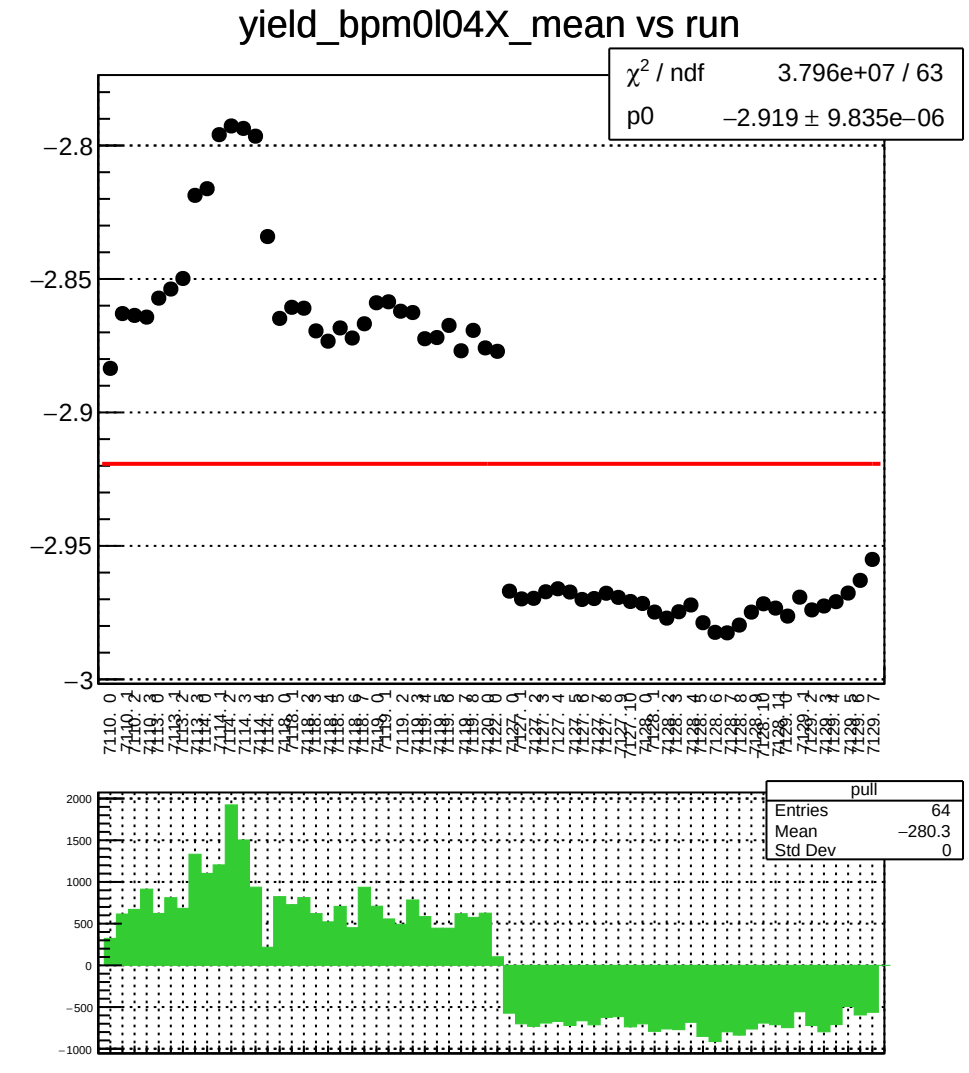

yield_bpm0l03X_mean vs run
χ² / ndf 7.795e+04 / 63
p0 −4.174 ± 0.0001416
pull
Entries 64
Mean 114.6
Std Dev 0
pull1D
Entries 64
Mean −1.351
Std Dev 4.219

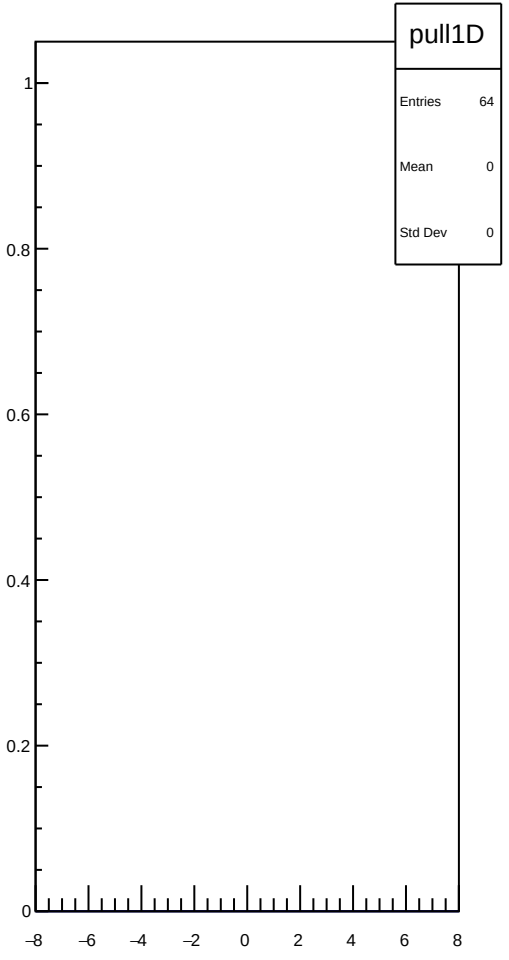

yield_bpm0l03X_rms vs run
χ² / ndf 7.274e+04 / 63
p0 0.1075 ± 0.0001001
0.25
0.2
0.15
0.1
0.05

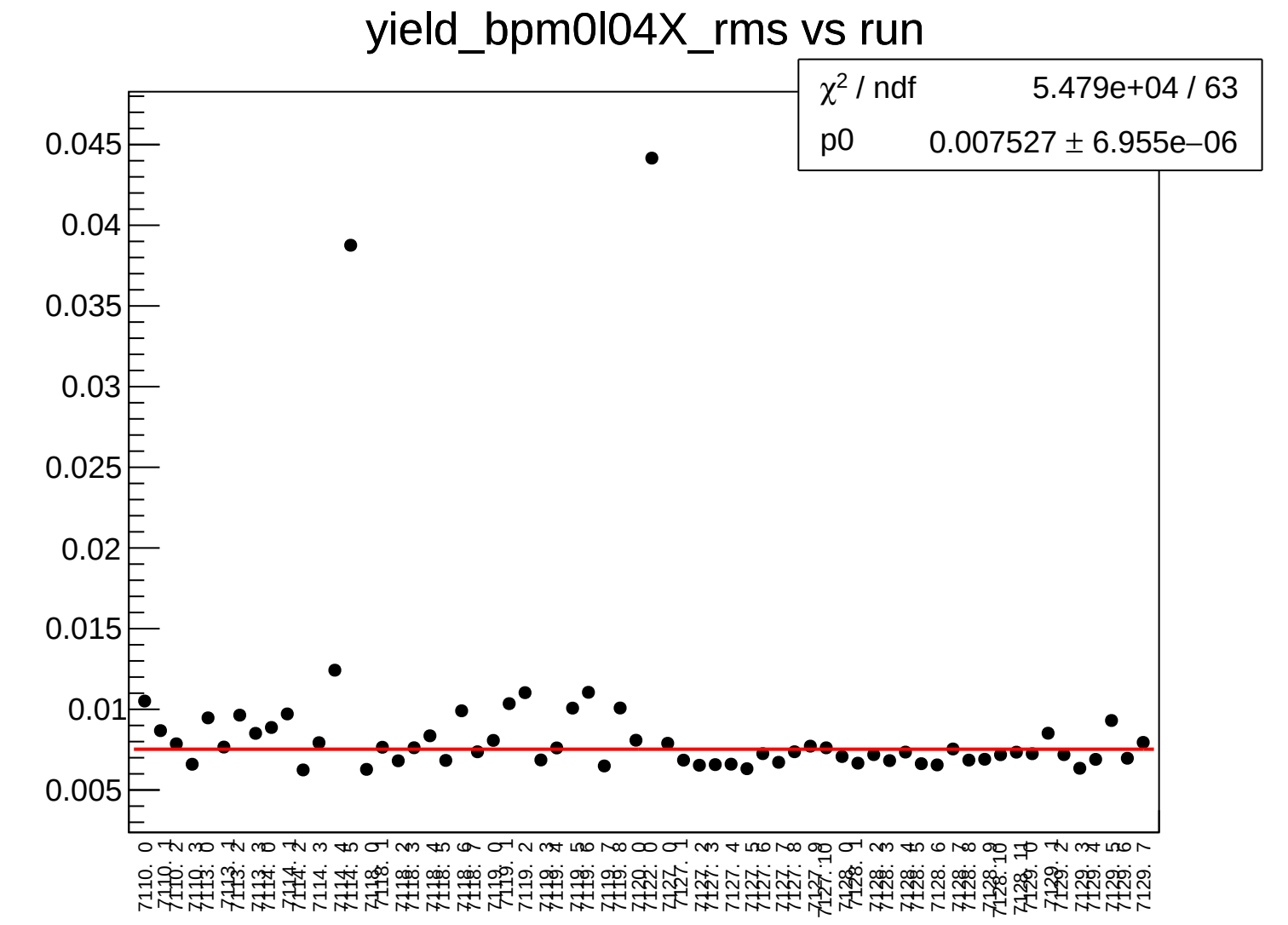

yield_bpm0l03Y_mean vs run
χ² / ndf 9.303e+05 / 63
p0 −1.137 ± 0.0001432
−0.8
−0.9
−1
−1.1
−1.2
−1.3
pull
Entries 64
Mean −725.2
Std Dev 0
400
300
200
100
0
−100
−200

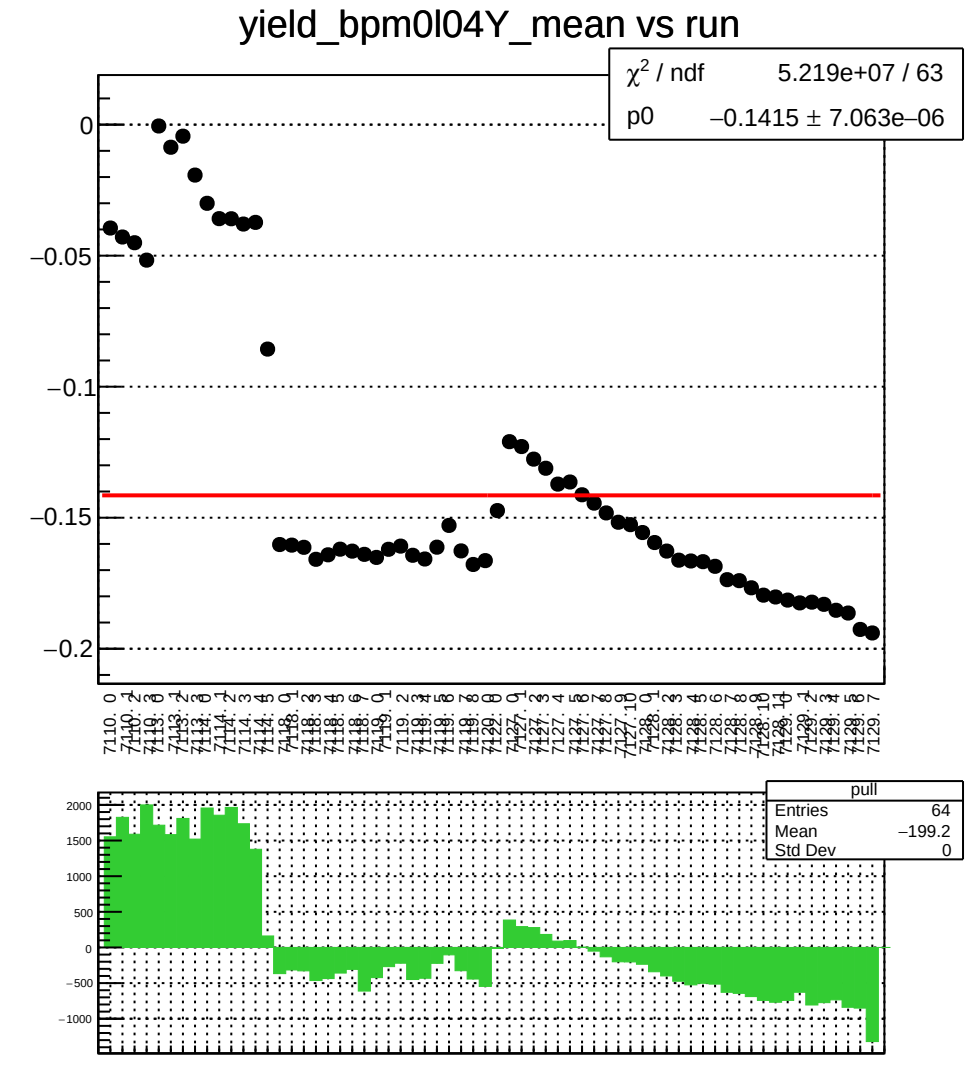

pull1D
Entries 64
Mean −1.748
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

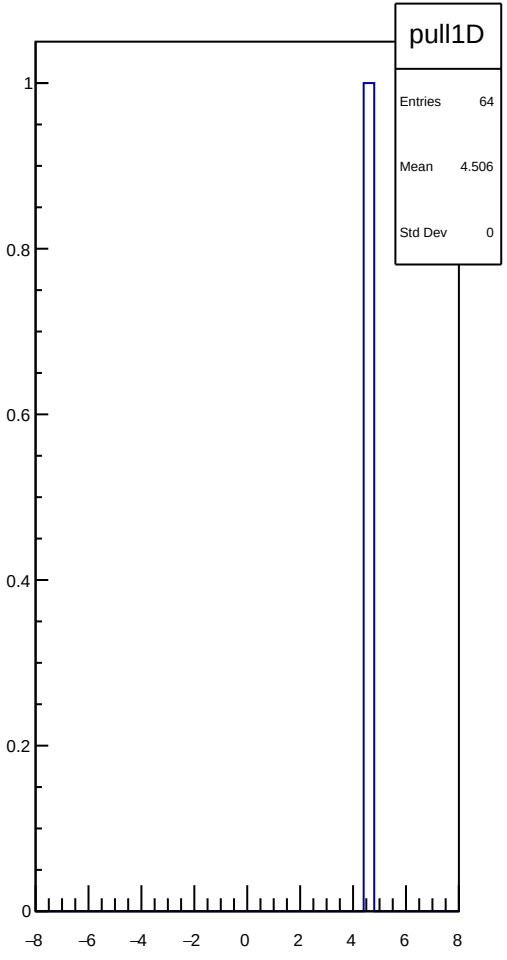

yield_bpm0l03Y_rms vs run
χ² / ndf 7.249e+04 / 63
p0 0.1088 ± 0.0001013
0.25
0.2
0.15
0.1
0.05

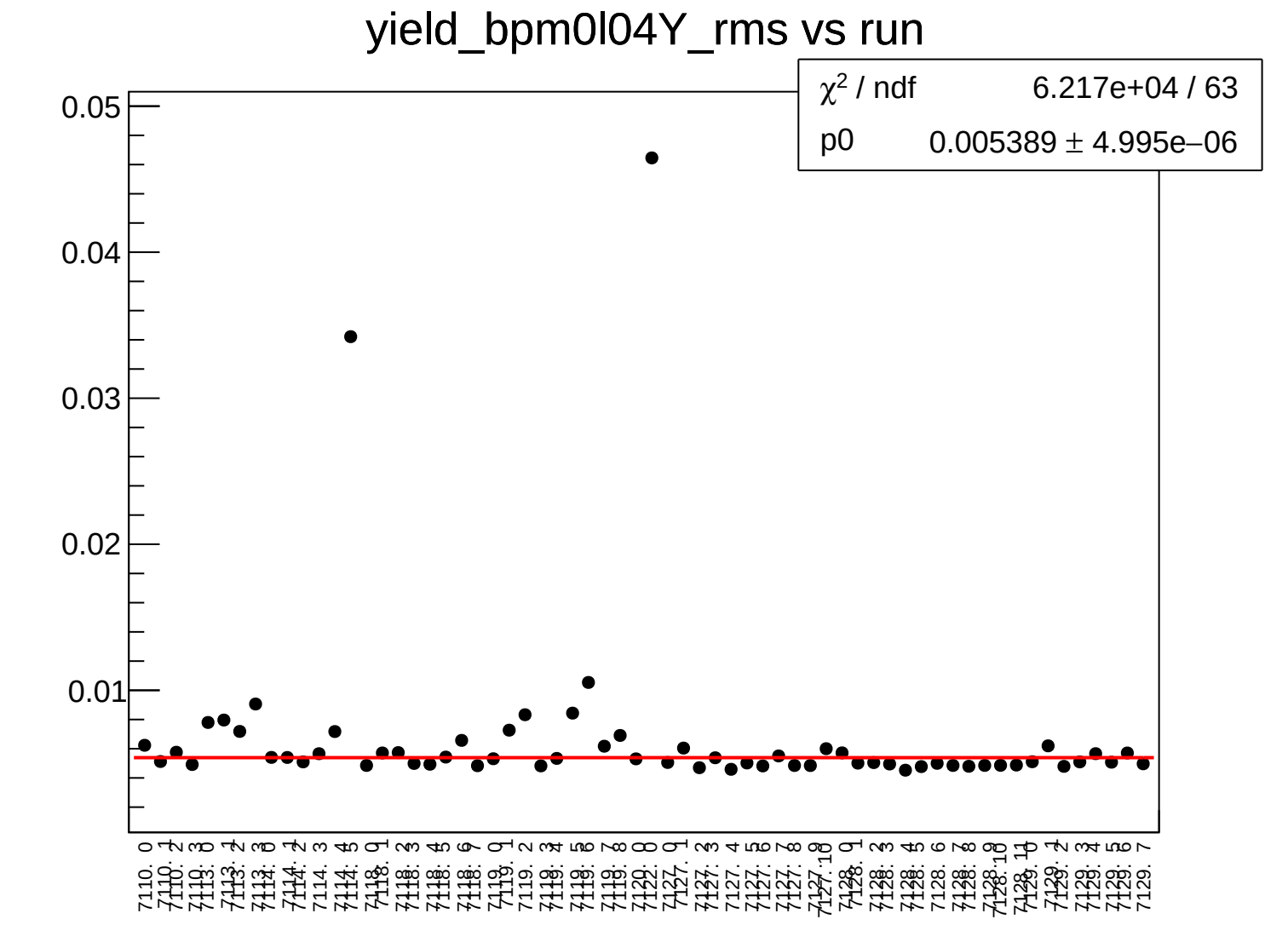

yield_bpm0l04X_mean vs run
χ² / ndf 3.796e+07 / 63
p0 −2.919 ± 9.835e−06
−2.8
−2.85
−2.9
−2.95
−3
pull
Entries 64
Mean −280.3
Std Dev 0
2000
1500
1000
500
0
−500
−1000

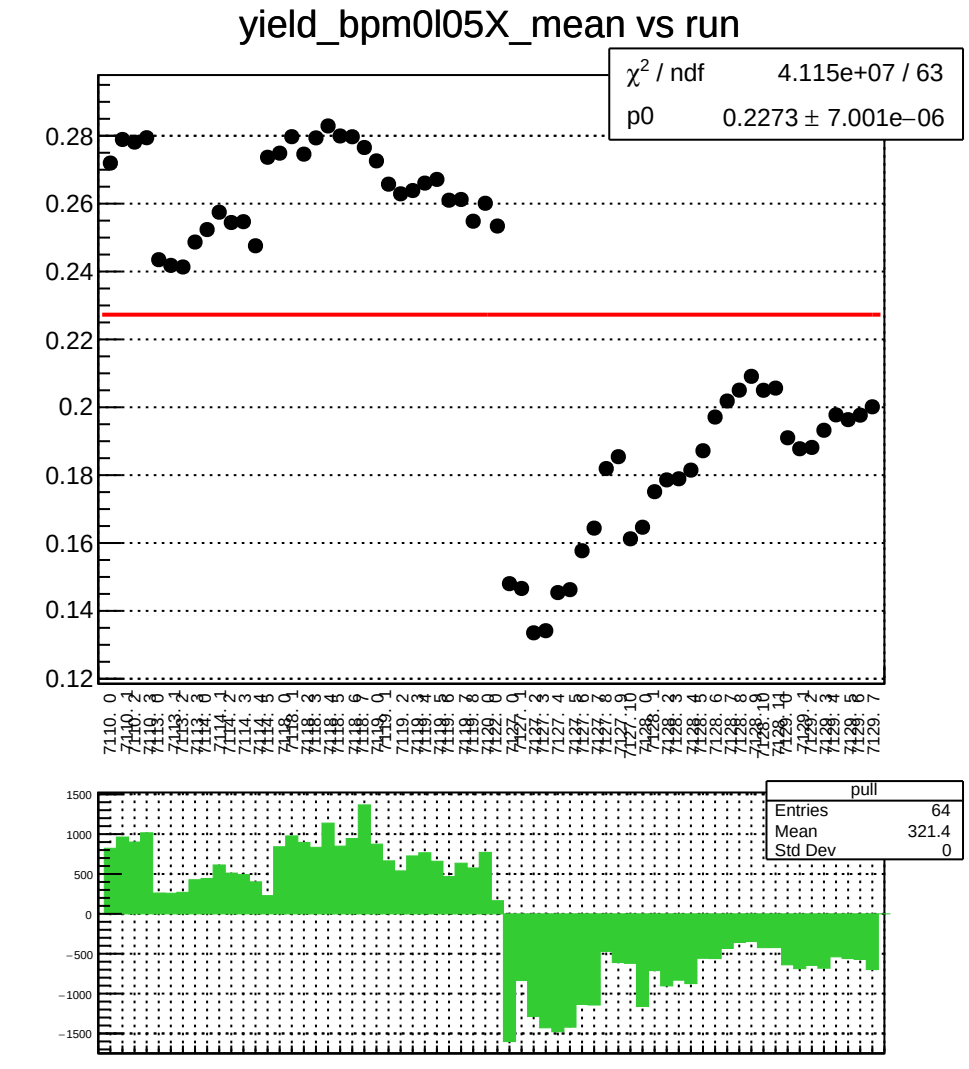

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

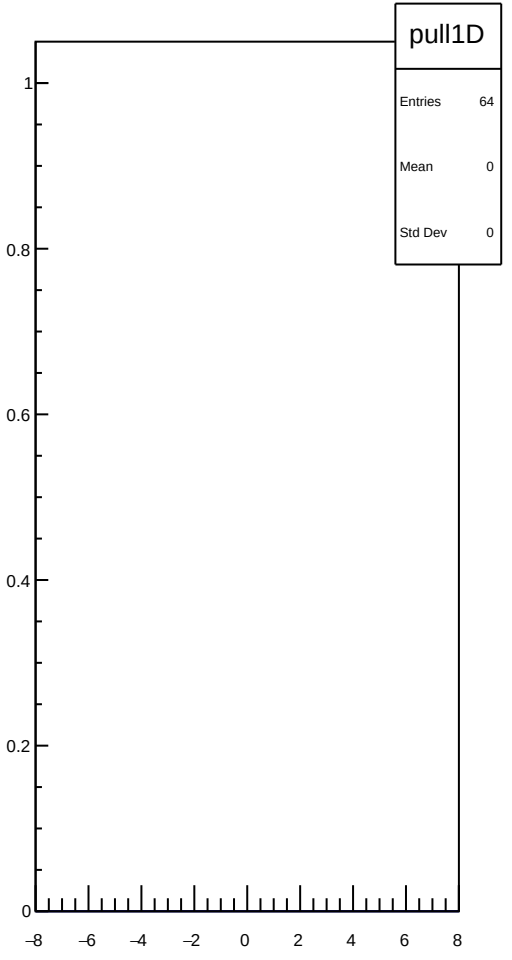

yield_bpm0l04X_rms vs run
χ^2 / ndf 5.479e+04 / 63
p0 0.007527 ± 6.955e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

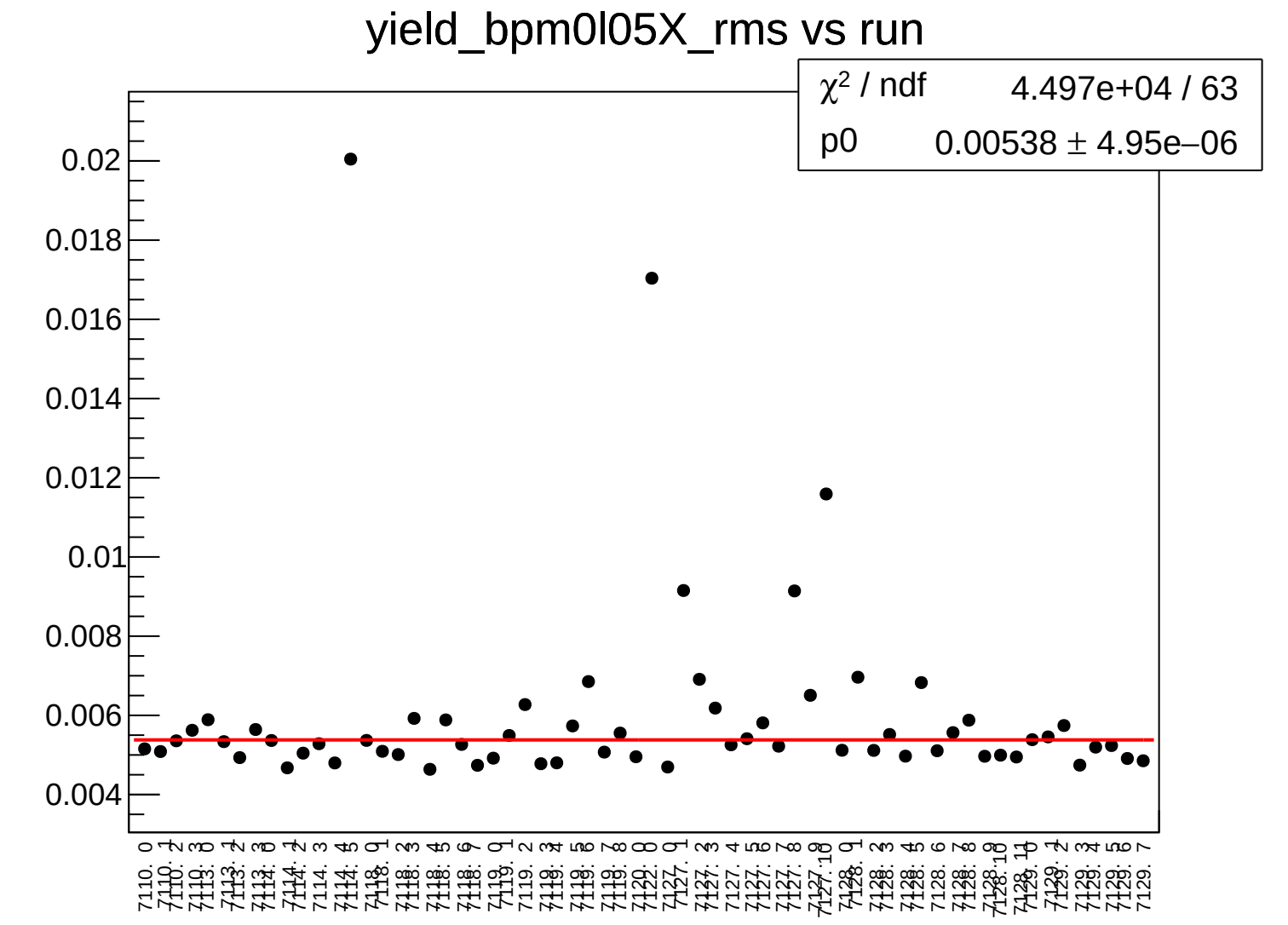

yield_bpm0l04Y_mean vs run
χ² / ndf 5.219e+07 / 63
p0 −0.1415 ± 7.063e−06
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 64
Mean −199.2
Std Dev 0
2000
1500
1000
500
0
−500
−1000

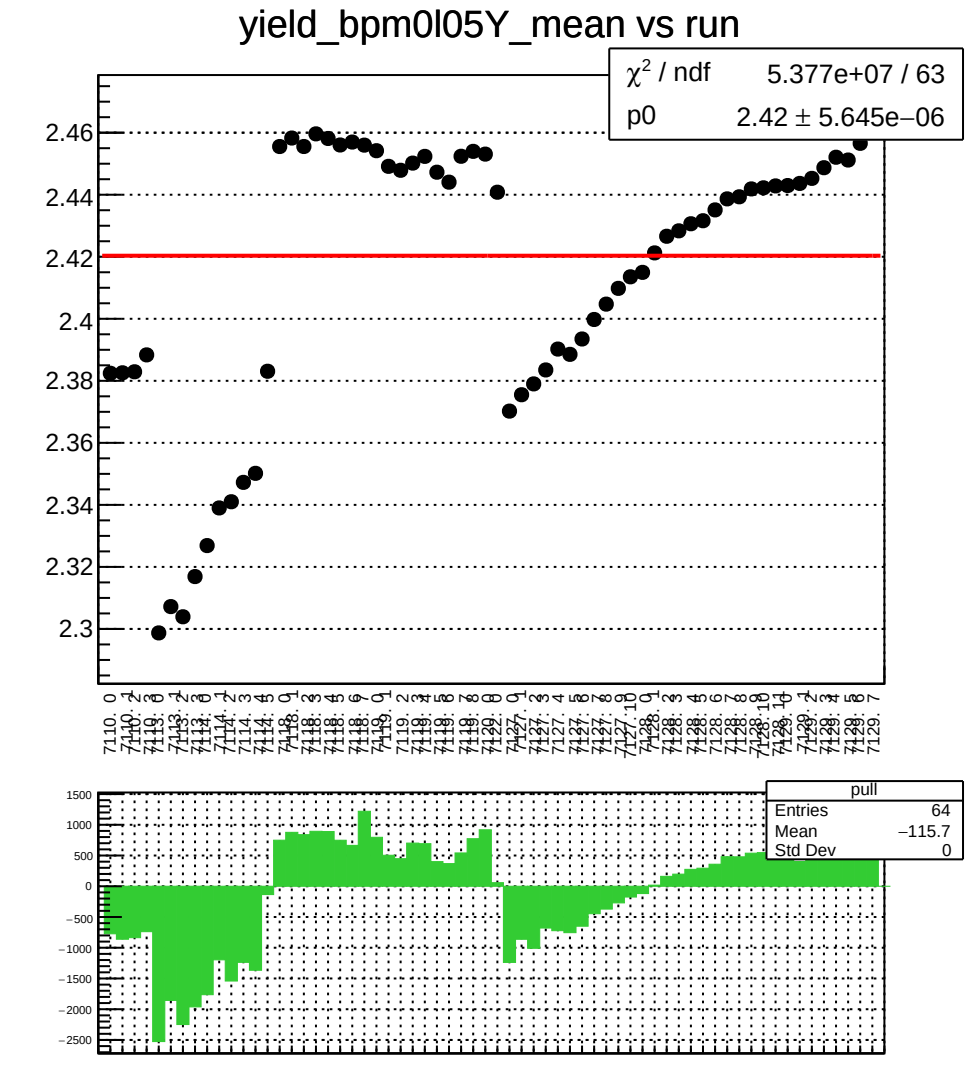

pull1D
Entries 64
Mean 4.506
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

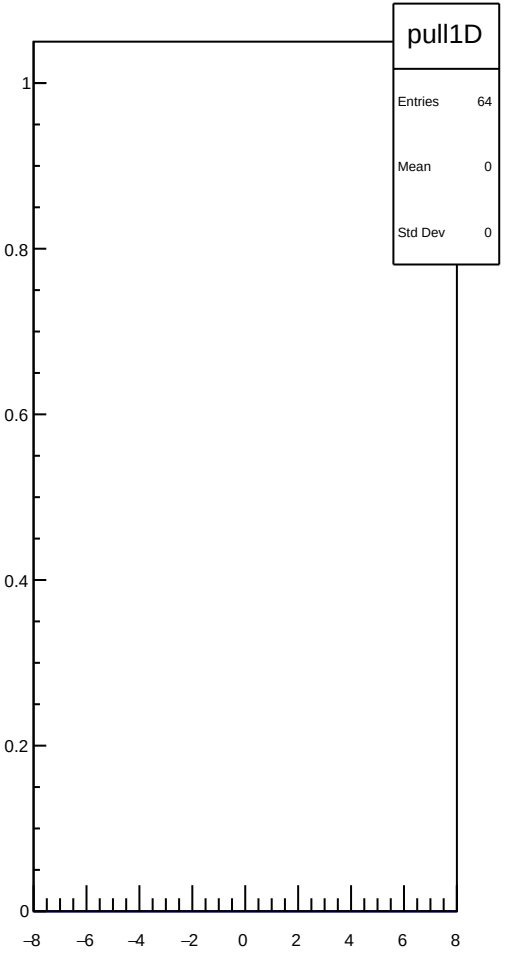

yield_bpm0l04Y_rms vs run
χ² / ndf 6.217e+04 / 63
p0 0.005389 ± 4.995e−06
0.05
0.04
0.03
0.02
0.01

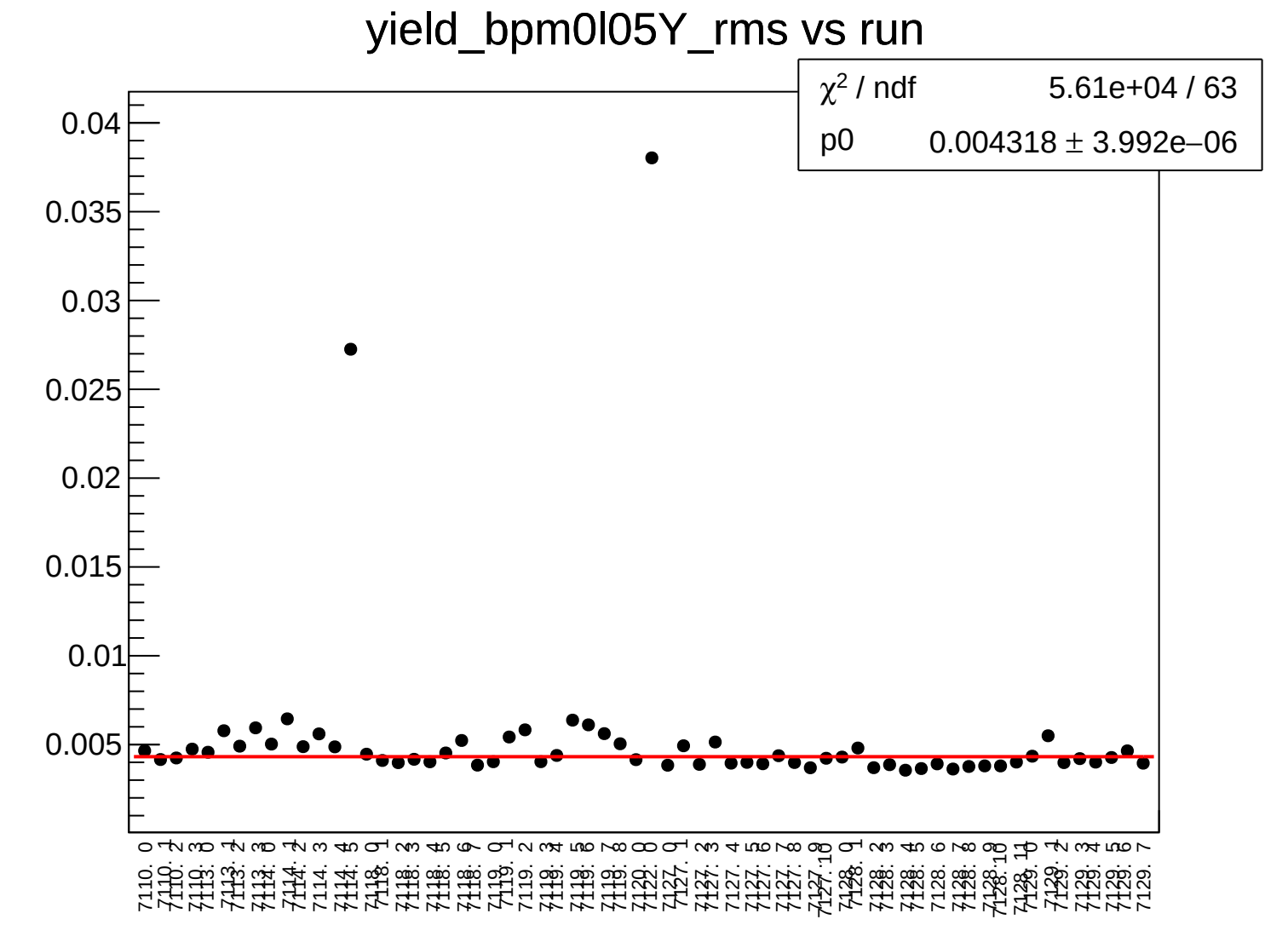

yield_bpm0l05X_mean vs run
χ² / ndf 4.115e+07 / 63
p0 0.2273 ± 7.001e−06
pull
Entries 64
Mean 321.4
Std Dev 0

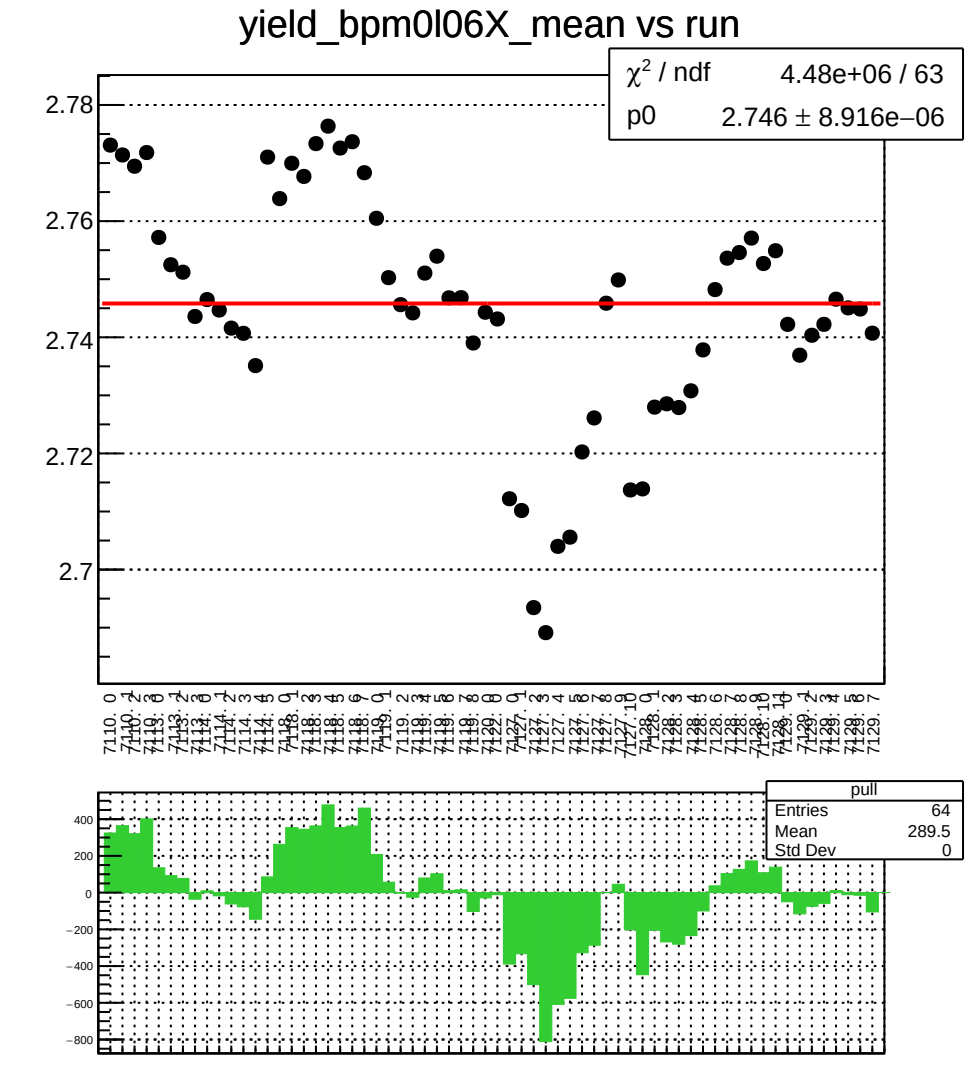

pull1D
Entries 64
Mean 0
Std Dev 0

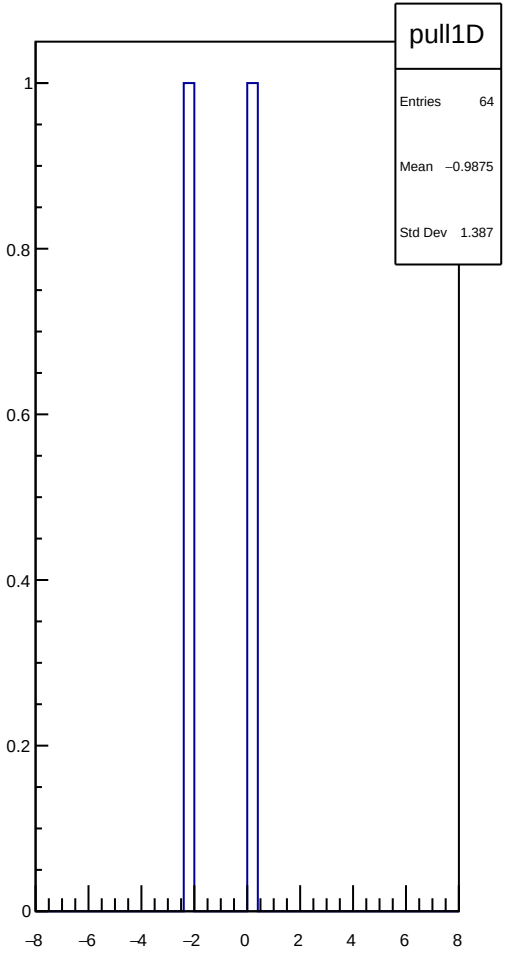

yield_bpm0l05X_rms vs run
χ² / ndf 4.497e+04 / 63
p0 0.00538 ± 4.95e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

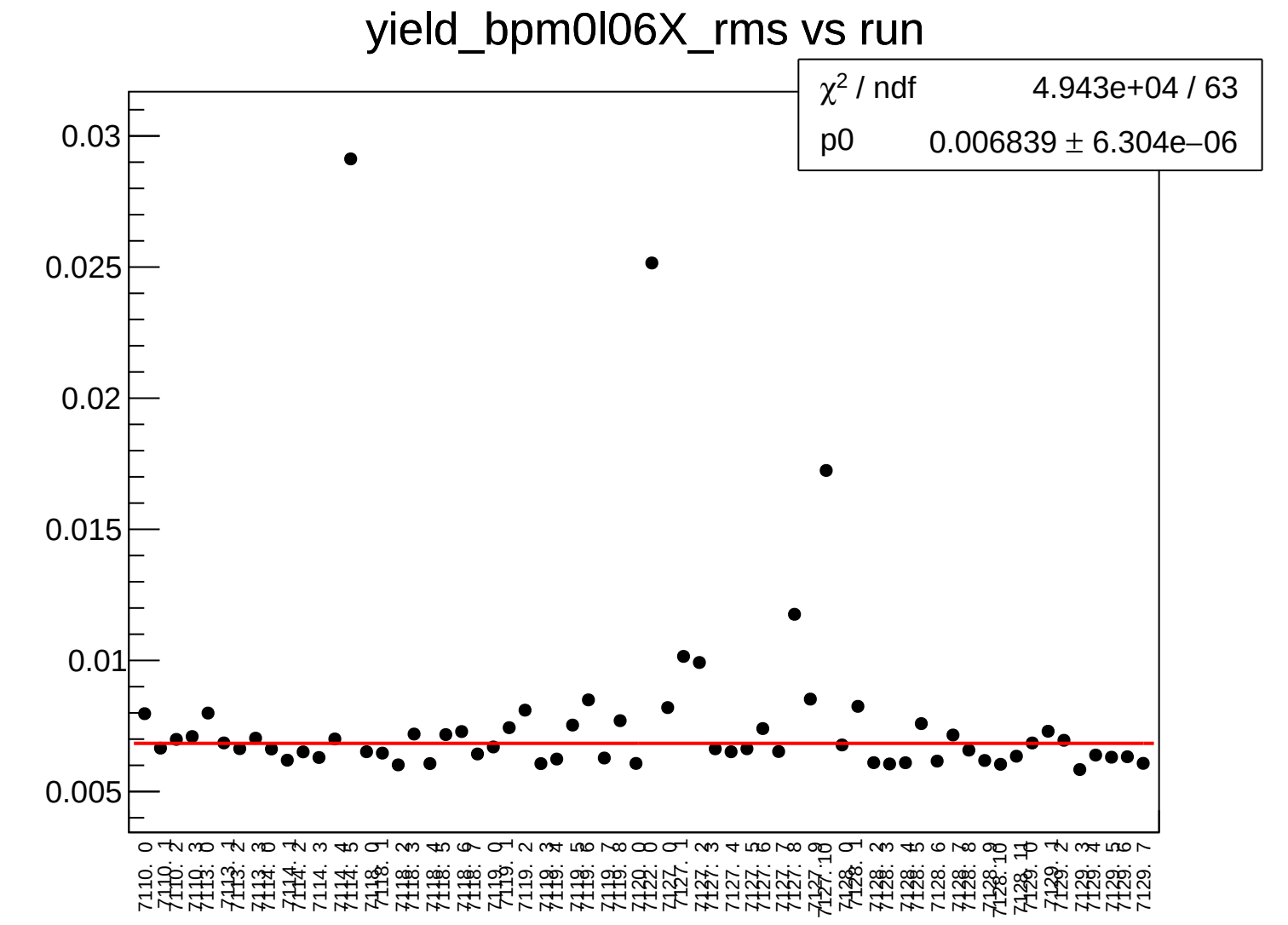

yield_bpm0l05Y_mean vs run
χ² / ndf 5.377e+07 / 63
p0 2.42 ± 5.645e−06
pull
Entries 64
Mean −115.7
Std Dev 0

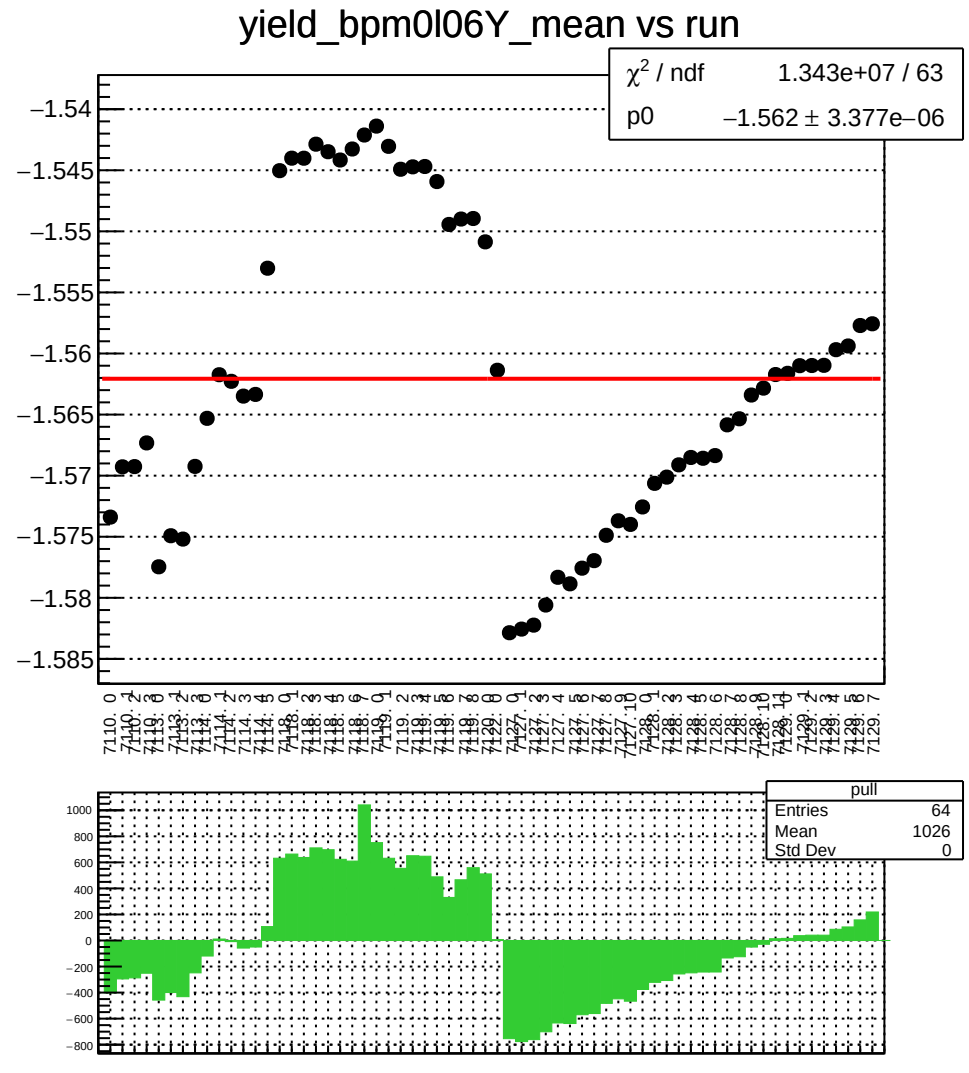

pull1D
Entries 64
Mean 0
Std Dev 0

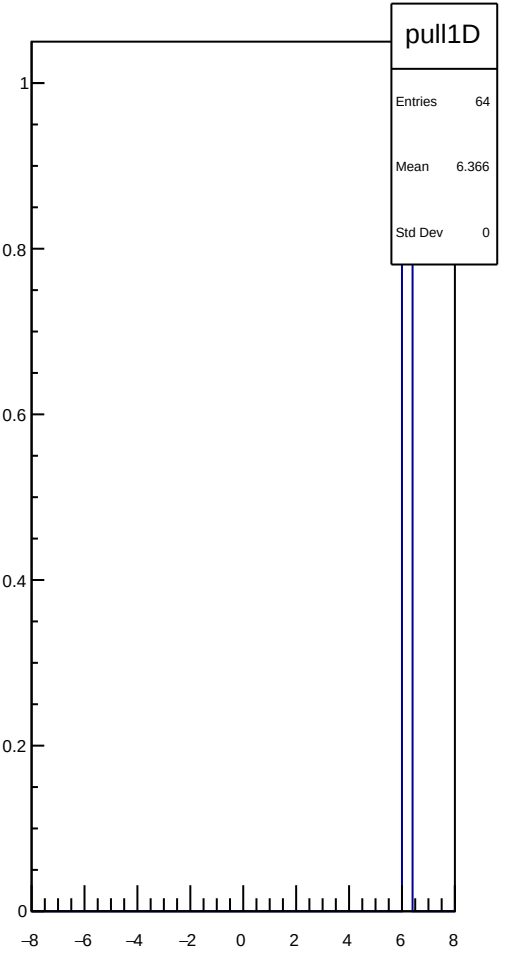

yield_bpm0l05Y_rms vs run
χ² / ndf 5.61e+04 / 63
p0 0.004318 ± 3.992e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

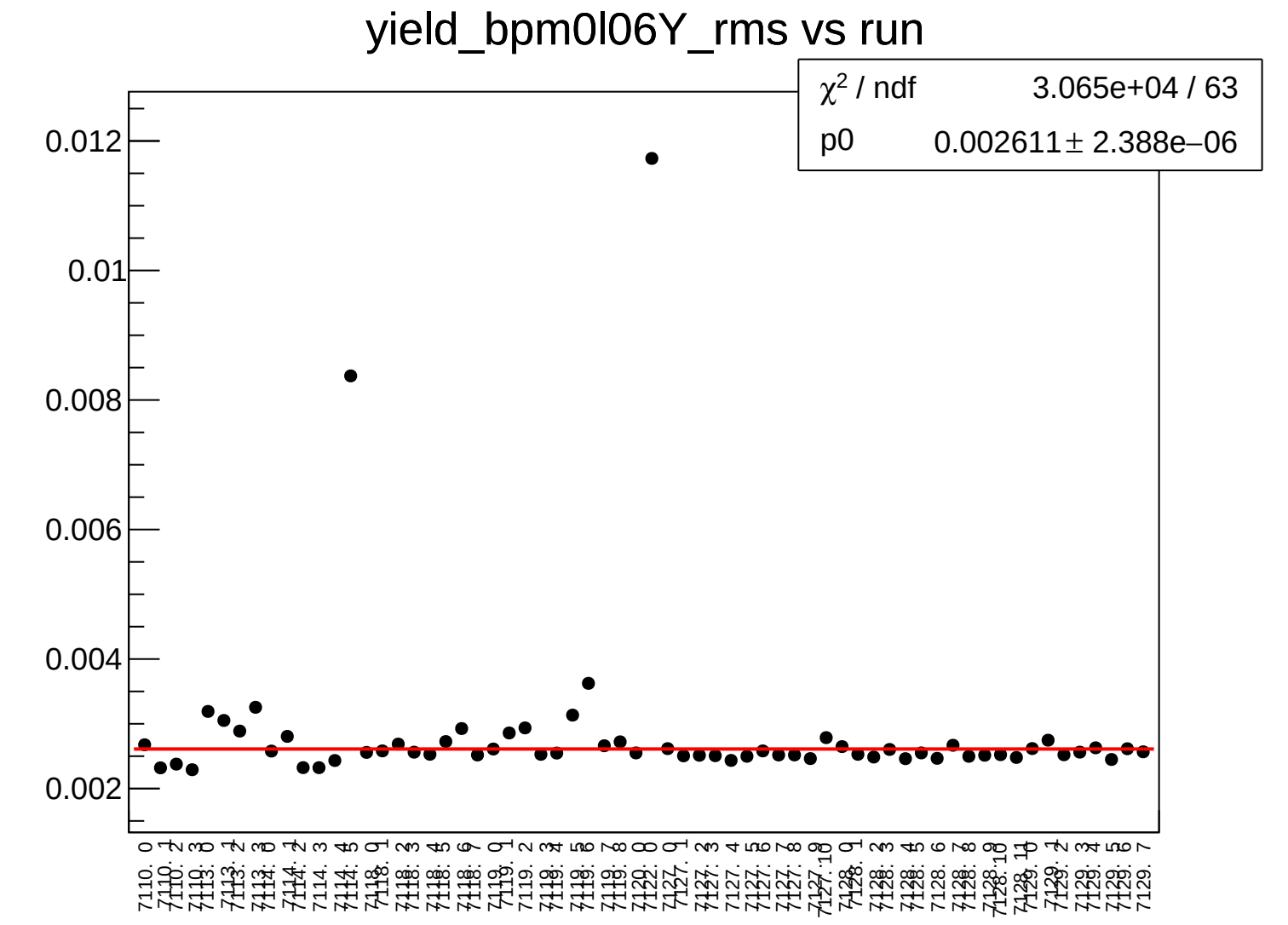

yield_bpm0l06X_mean vs run
χ² / ndf 4.48e+06 / 63
p0 2.746 ± 8.916e−06
2.78
2.76
2.74
2.72
2.7
pull
Entries 64
Mean 289.5
Std Dev 0
400
200
0
−200
−400
−600
−800

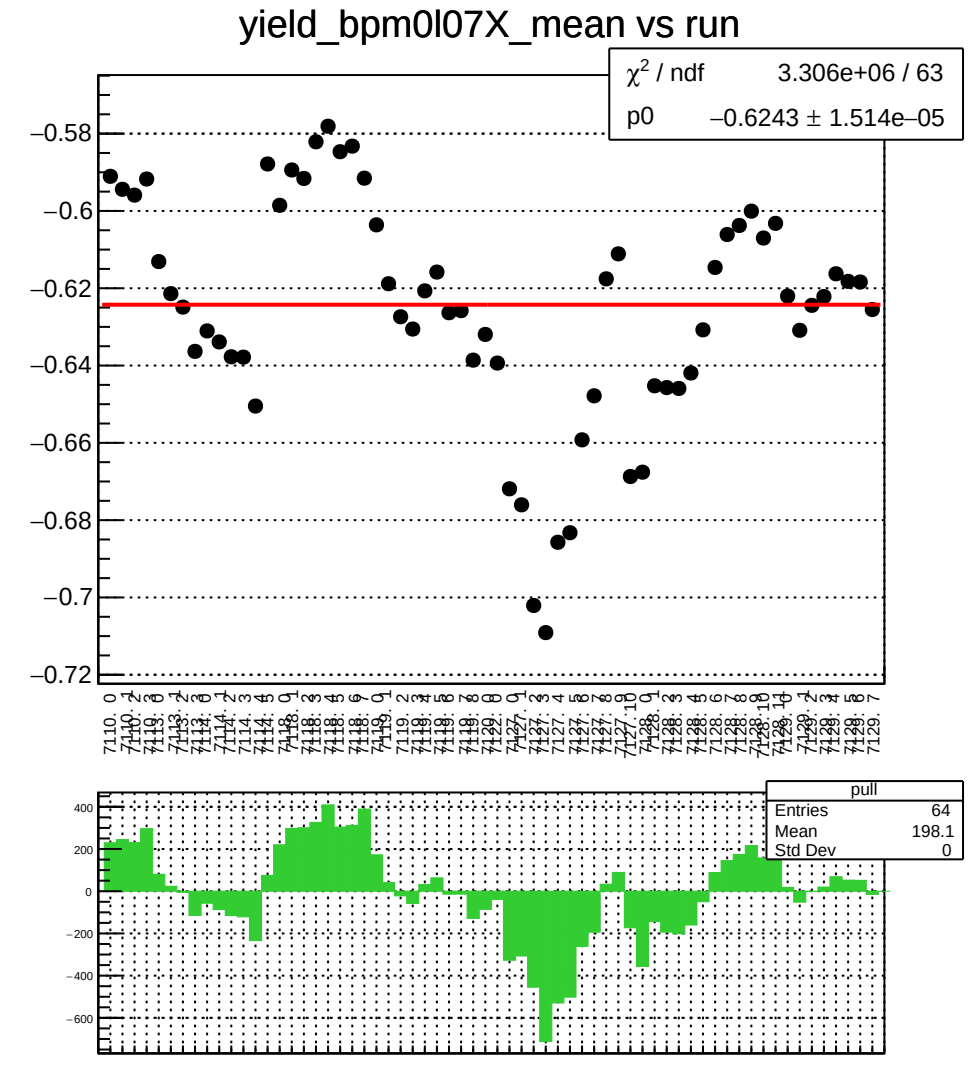

pull1D
Entries 64
Mean −0.9875
Std Dev 1.387
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

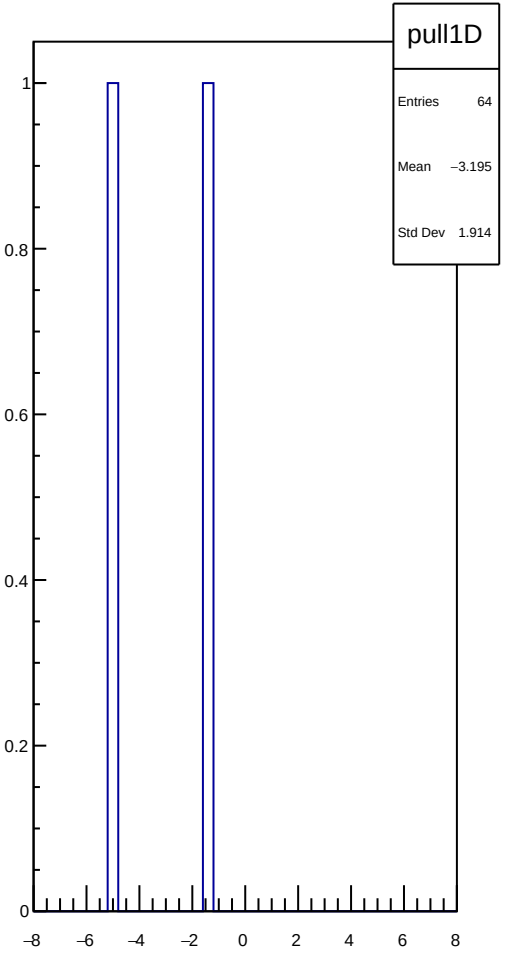

yield_bpm0l06X_rms vs run
χ^2 / ndf 4.943e+04 / 63
p0 0.006839 ± 6.304e−06
0.03
0.025
0.02
0.015
0.01
0.005

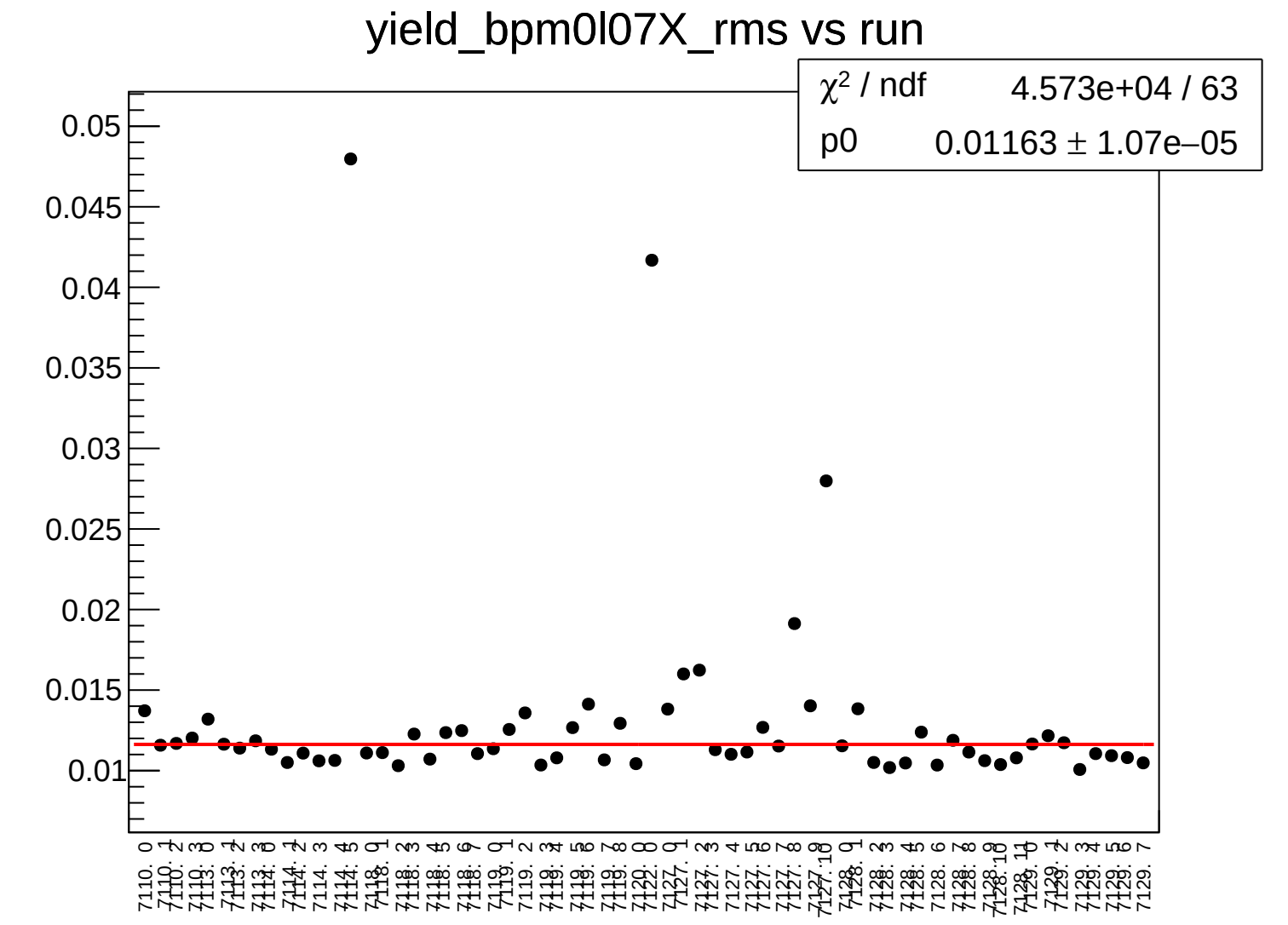

yield_bpm0l06Y_mean vs run
χ² / ndf 1.343e+07 / 63
p0 −1.562 ± 3.377e−06
−1.54
−1.545
−1.55
−1.555
−1.56
−1.565
−1.57
−1.575
−1.58
−1.585
pull
Entries 64
Mean 1026
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

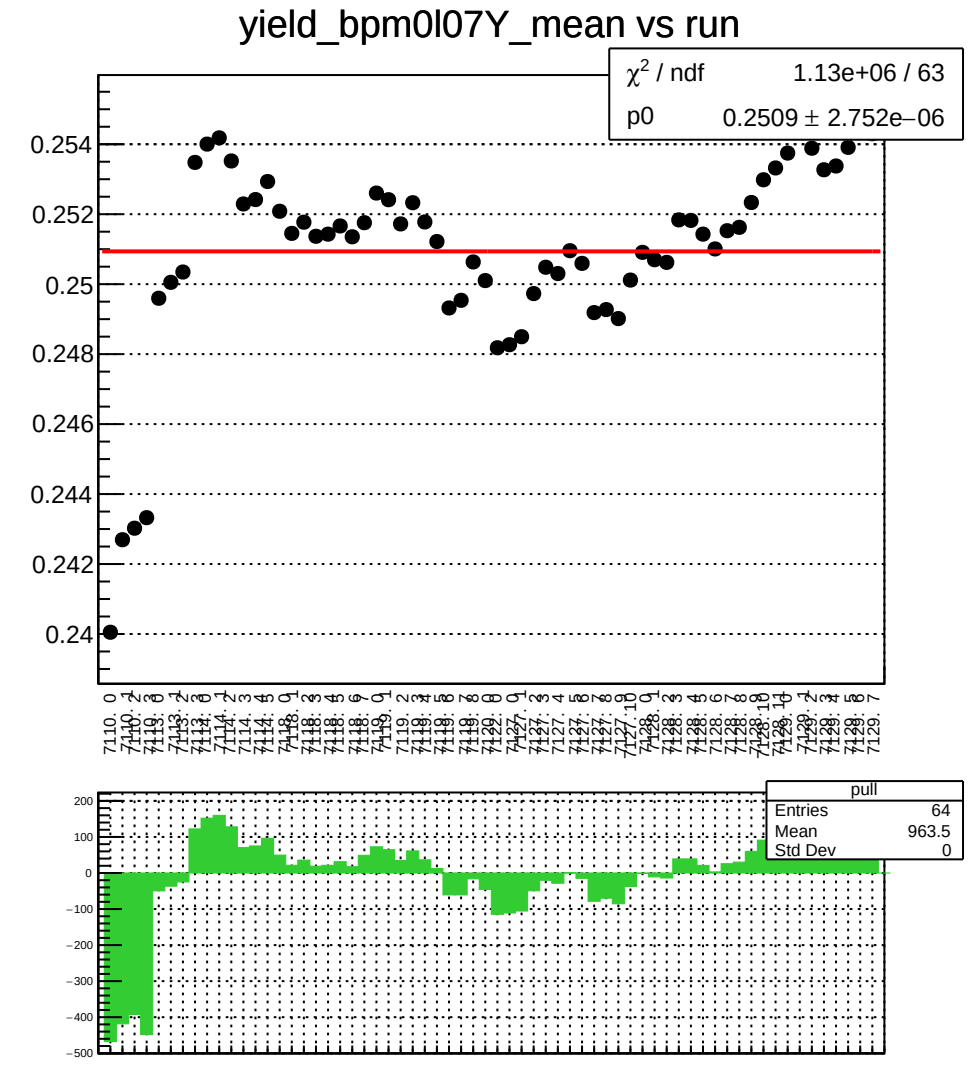

pull1D
Entries 64
Mean 6.366
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

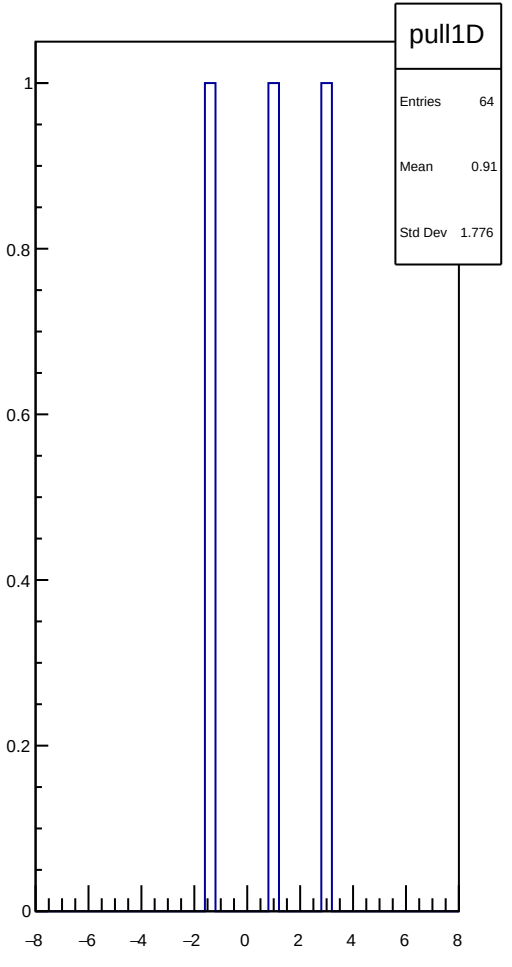

yield_bpm0l06Y_rms vs run
χ² / ndf 3.065e+04 / 63
p0 0.002611 ± 2.388e−06
0.012
0.01
0.008
0.006
0.004
0.002

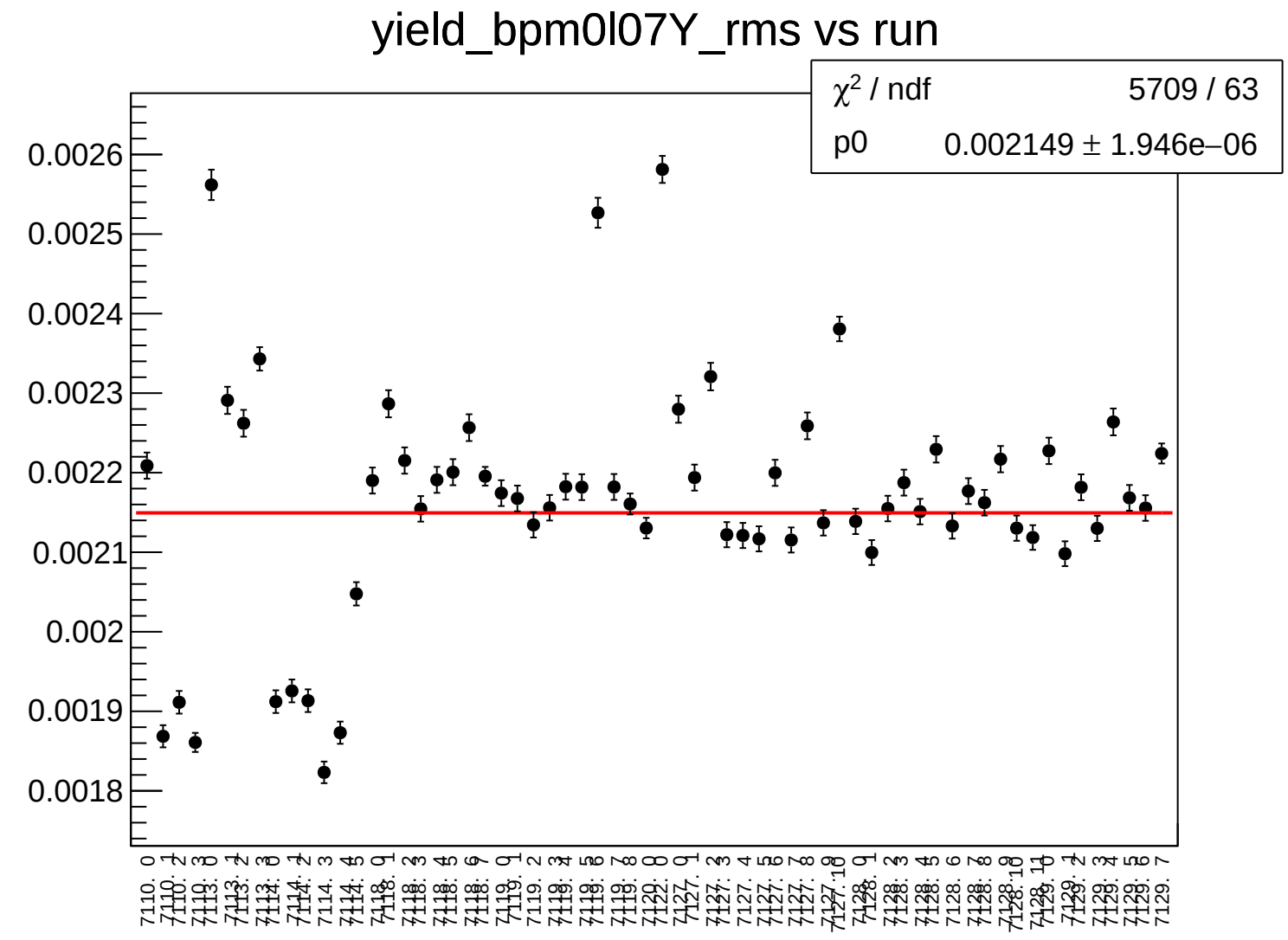

yield_bpm0l07X_mean vs run
χ² / ndf 3.306e+06 / 63
p0 −0.6243 ± 1.514e−05
pull
Entries 64
Mean 198.1
Std Dev 0

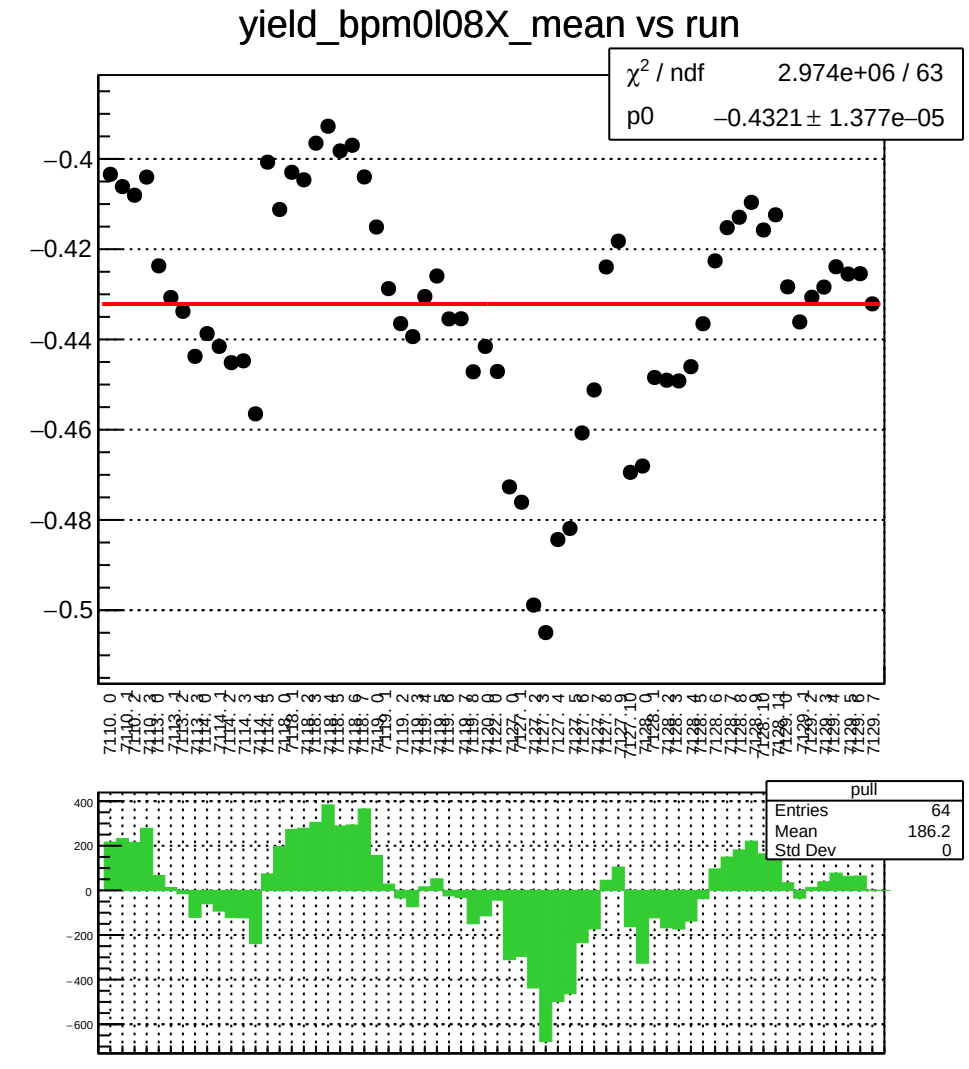

pull1D
Entries 64
Mean −3.195
Std Dev 1.914

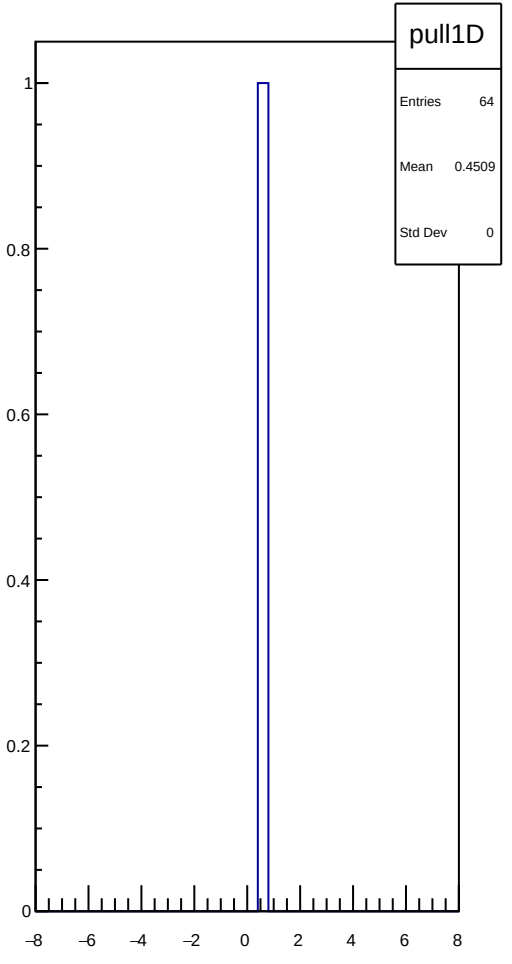

yield_bpm0l07X_rms vs run
χ^2 / ndf 4.573e+04 / 63
p0 0.01163 ± 1.07e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

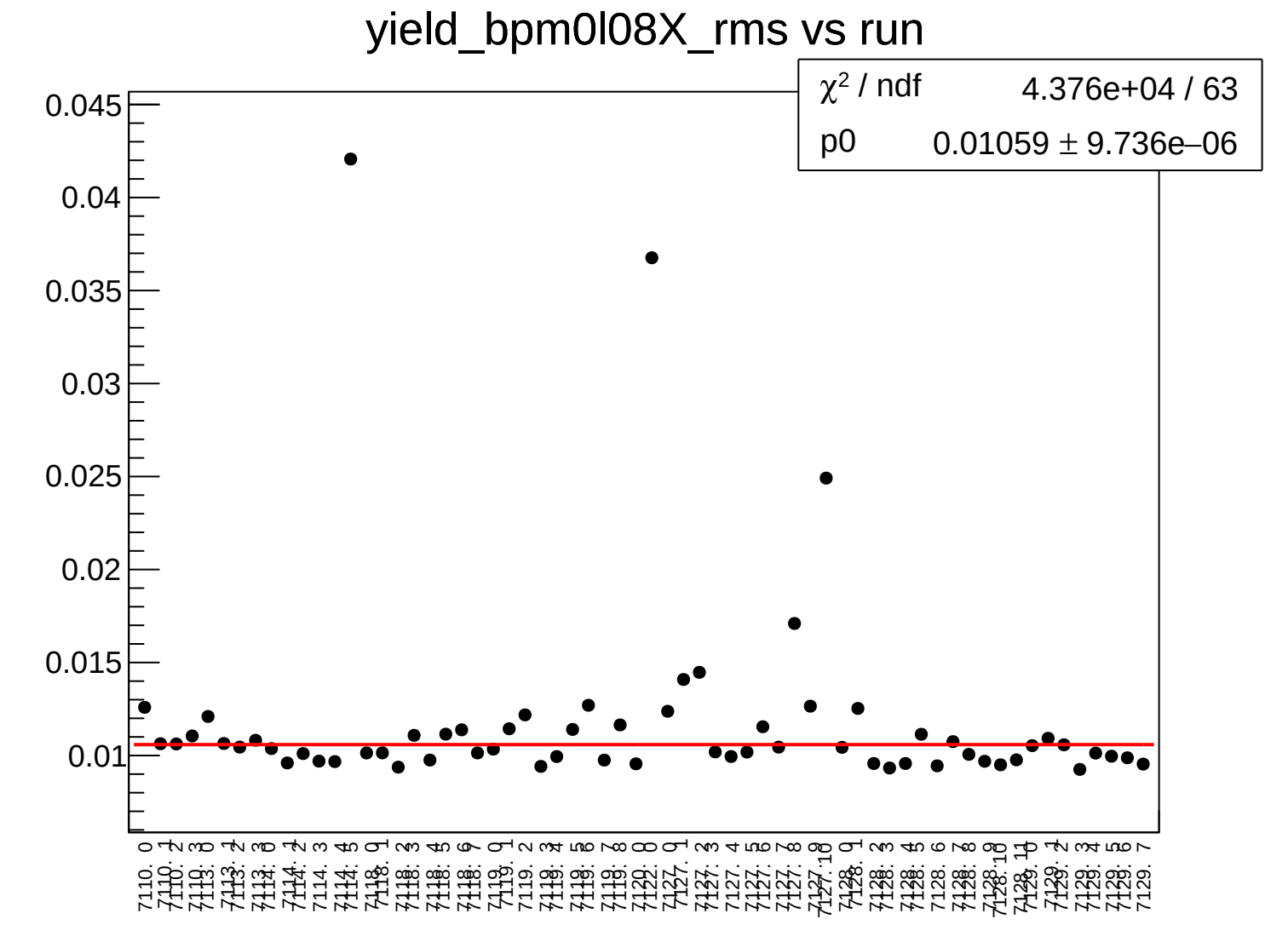

yield_bpm0l07Y_mean vs run
χ² / ndf 1.13e+06 / 63
p0 0.2509 ± 2.752e−06
0.254
0.252
0.25
0.248
0.246
0.244
0.242
0.24
pull
Entries 64
Mean 963.5
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

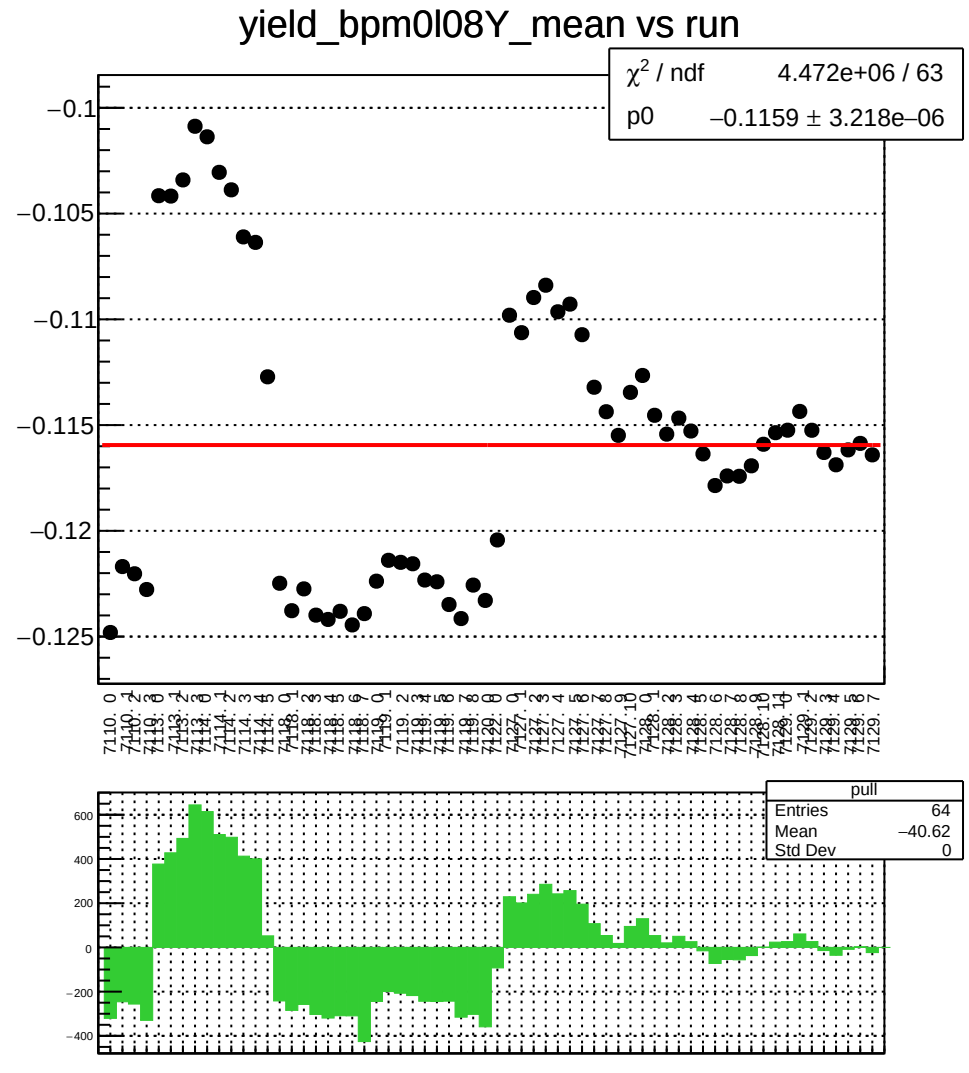

pull1D
Entries 64
Mean 0.91
Std Dev 1.776
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

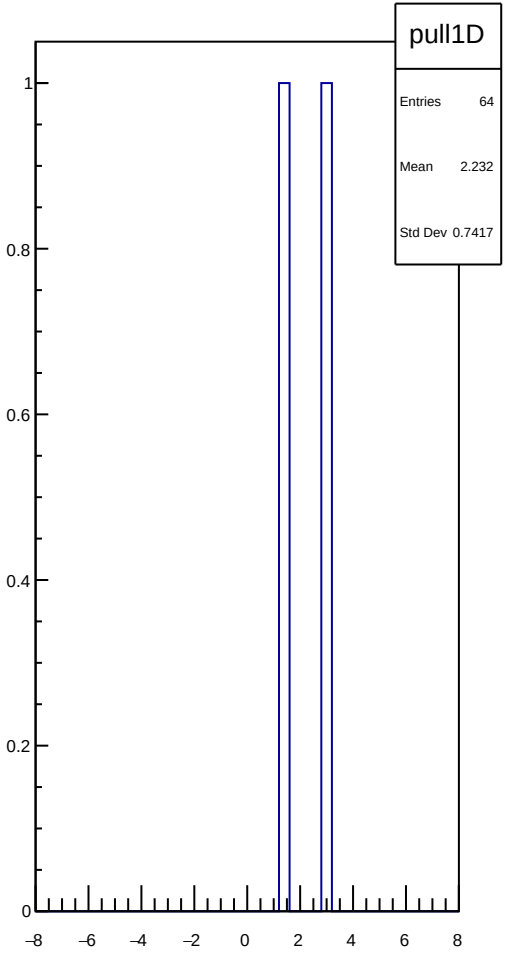

yield_bpm0l07Y_rms vs run
χ² / ndf 5709 / 63
p0 0.002149 ± 1.946e−06
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

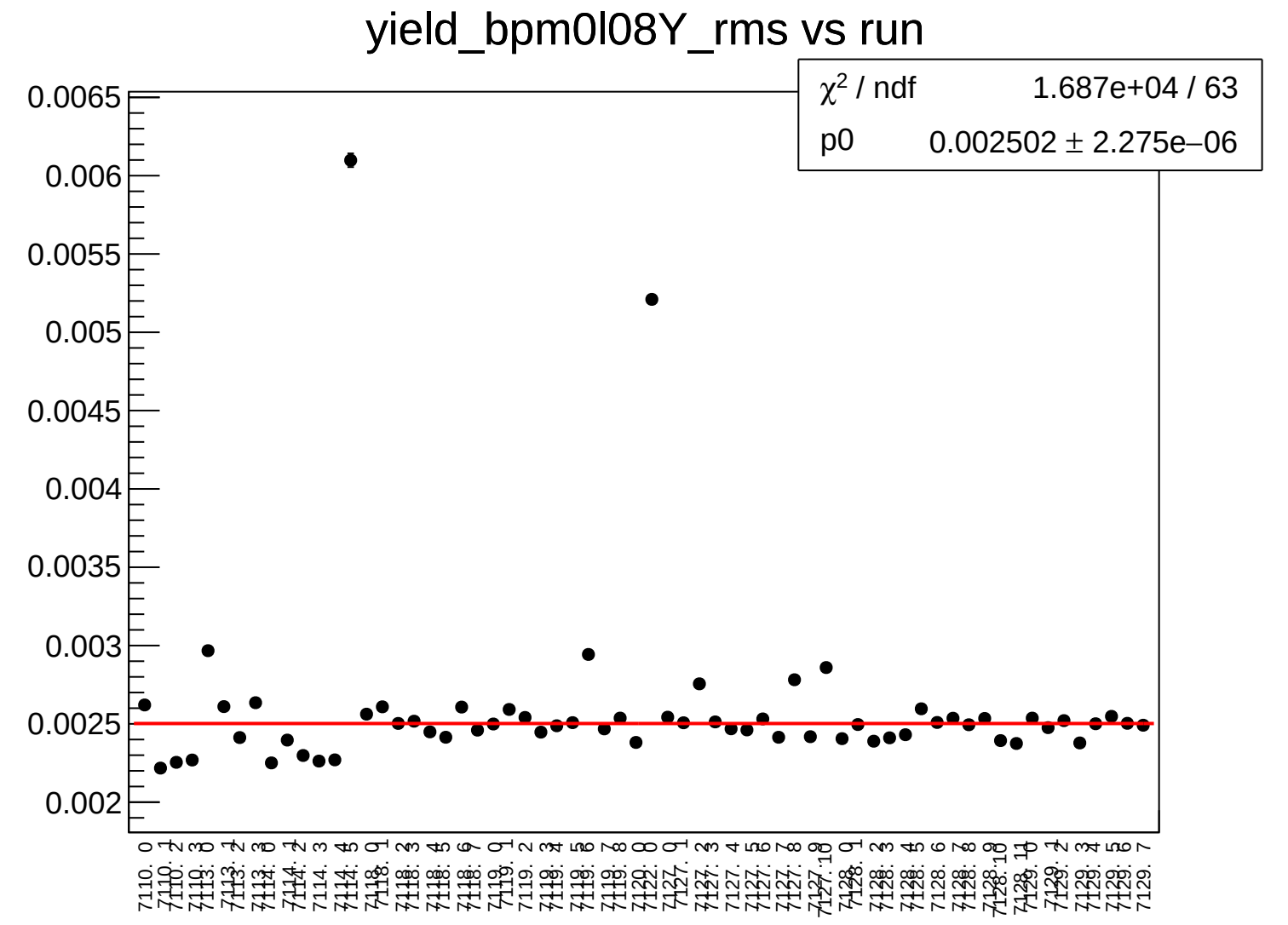

yield_bpm0l08X_mean vs run
χ² / ndf 2.974e+06 / 63
p0 −0.4321 ± 1.377e−05
−0.4
−0.42
−0.44
−0.46
−0.48
−0.5
pull
Entries 64
Mean 186.2
Std Dev 0
400
200
0
−200
−400
−600

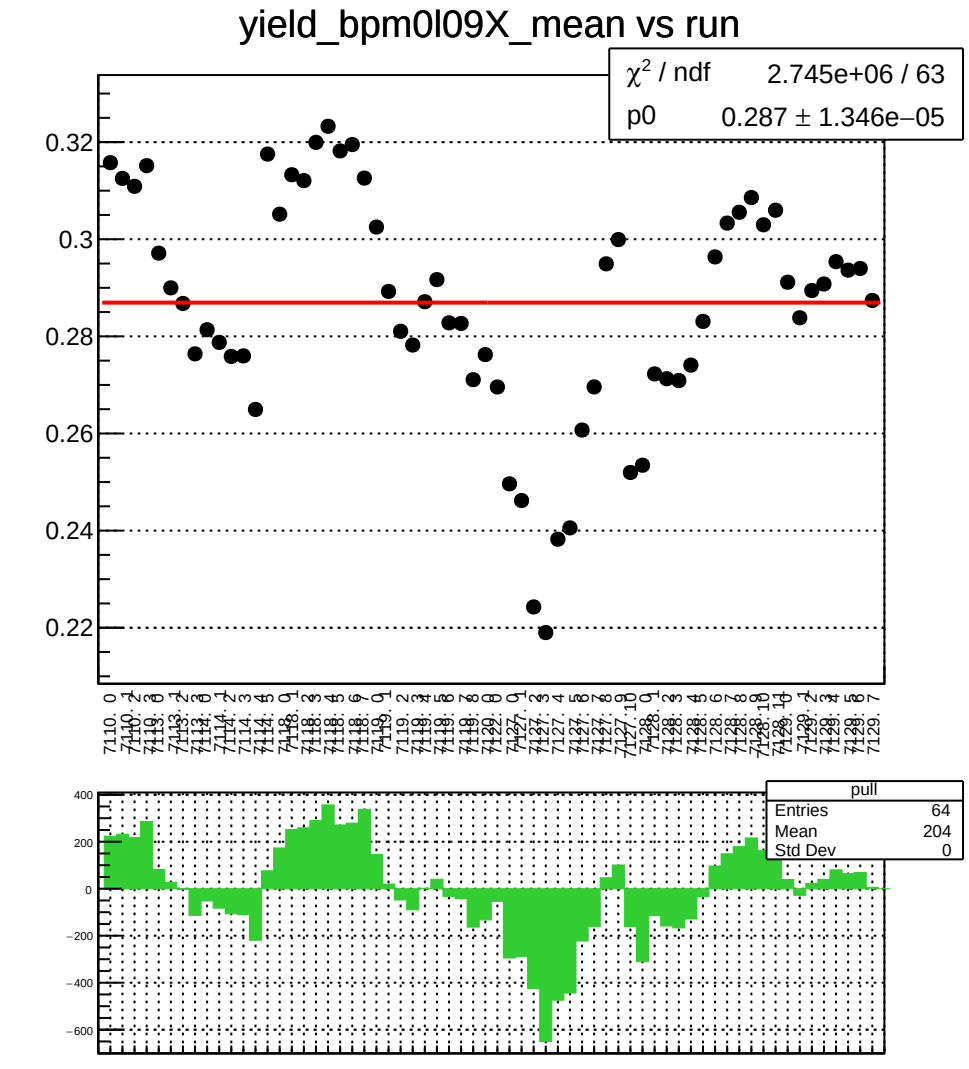

pull1D
Entries 64
Mean 0.4509
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

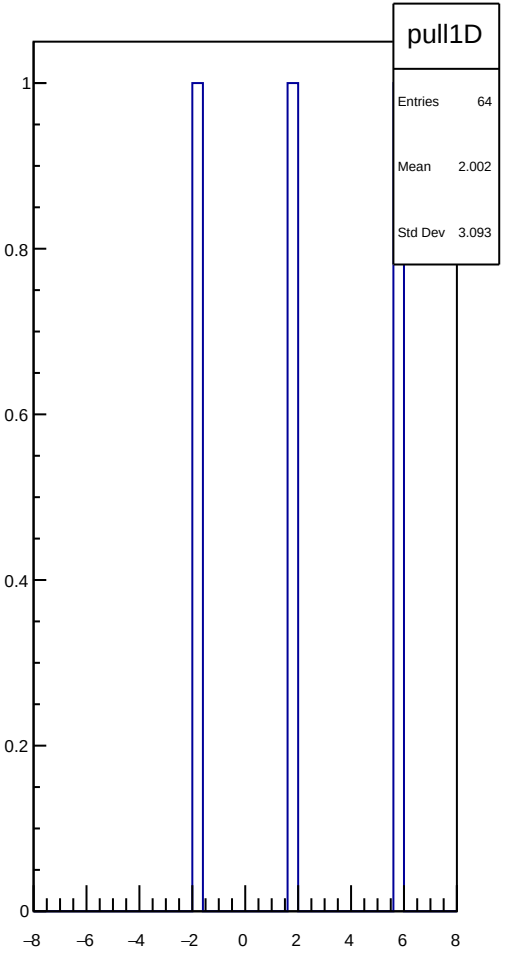

yield_bpm0l08X_rms vs run
χ² / ndf 4.376e+04 / 63
p0 0.01059 ± 9.736e–06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

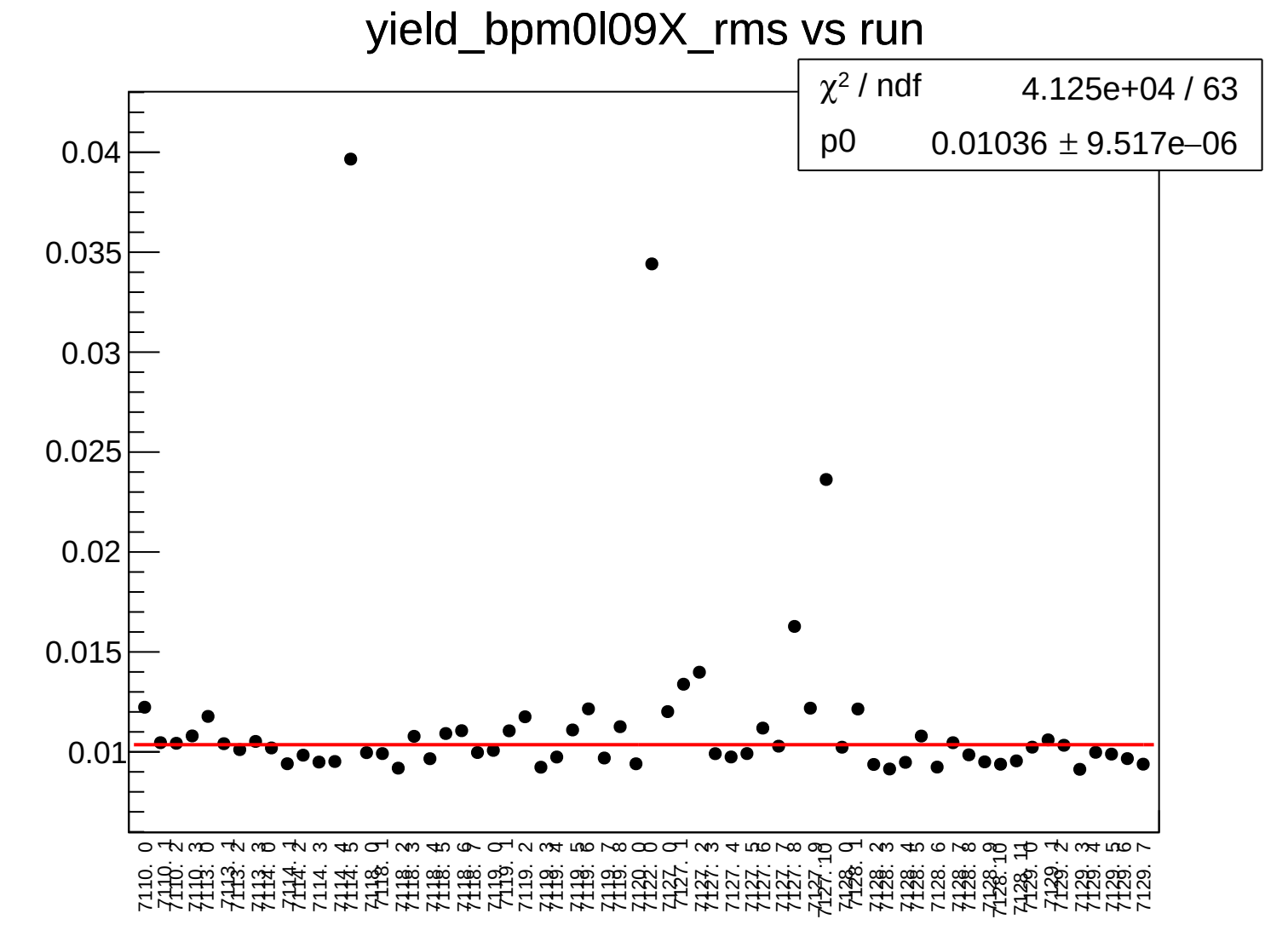

yield_bpm0l08Y_mean vs run
χ² / ndf 4.472e+06 / 63
p0 −0.1159 ± 3.218e−06
−0.1
−0.105
−0.11
−0.115
−0.12
−0.125
pull
Entries 64
Mean −40.62
Std Dev 0
600
400
200
0
−200
−400

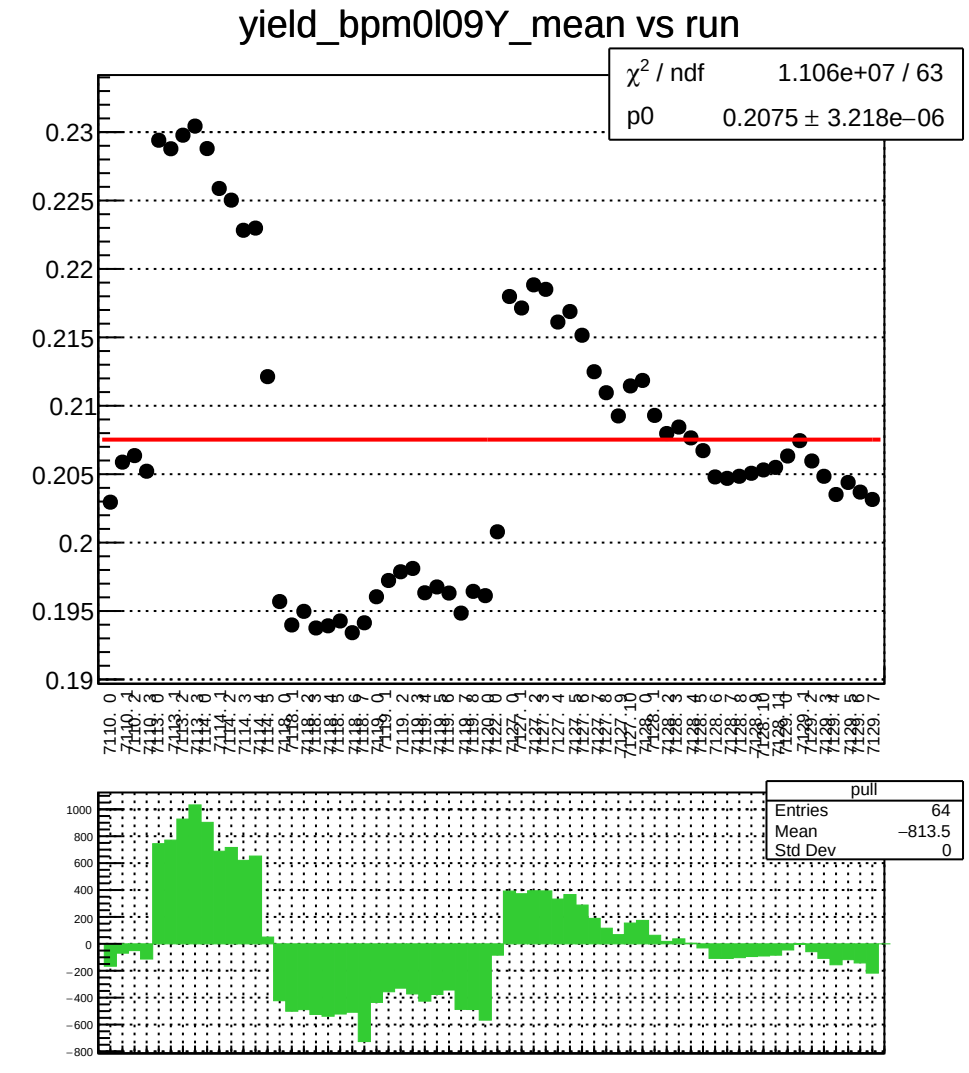

pull1D
Entries 64
Mean 2.232
Std Dev 0.7417
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

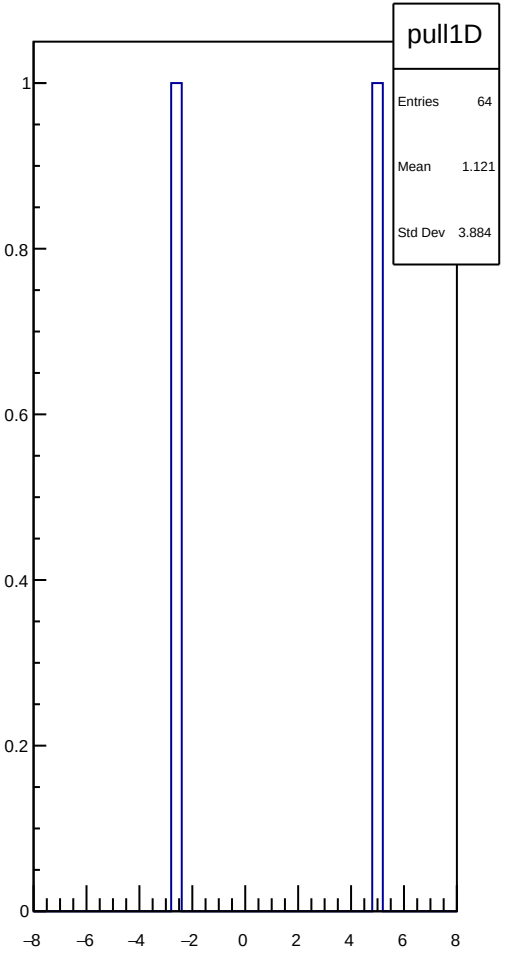

yield_bpm0l08Y_rms vs run
χ² / ndf 1.687e+04 / 63
p0 0.002502 ± 2.275e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

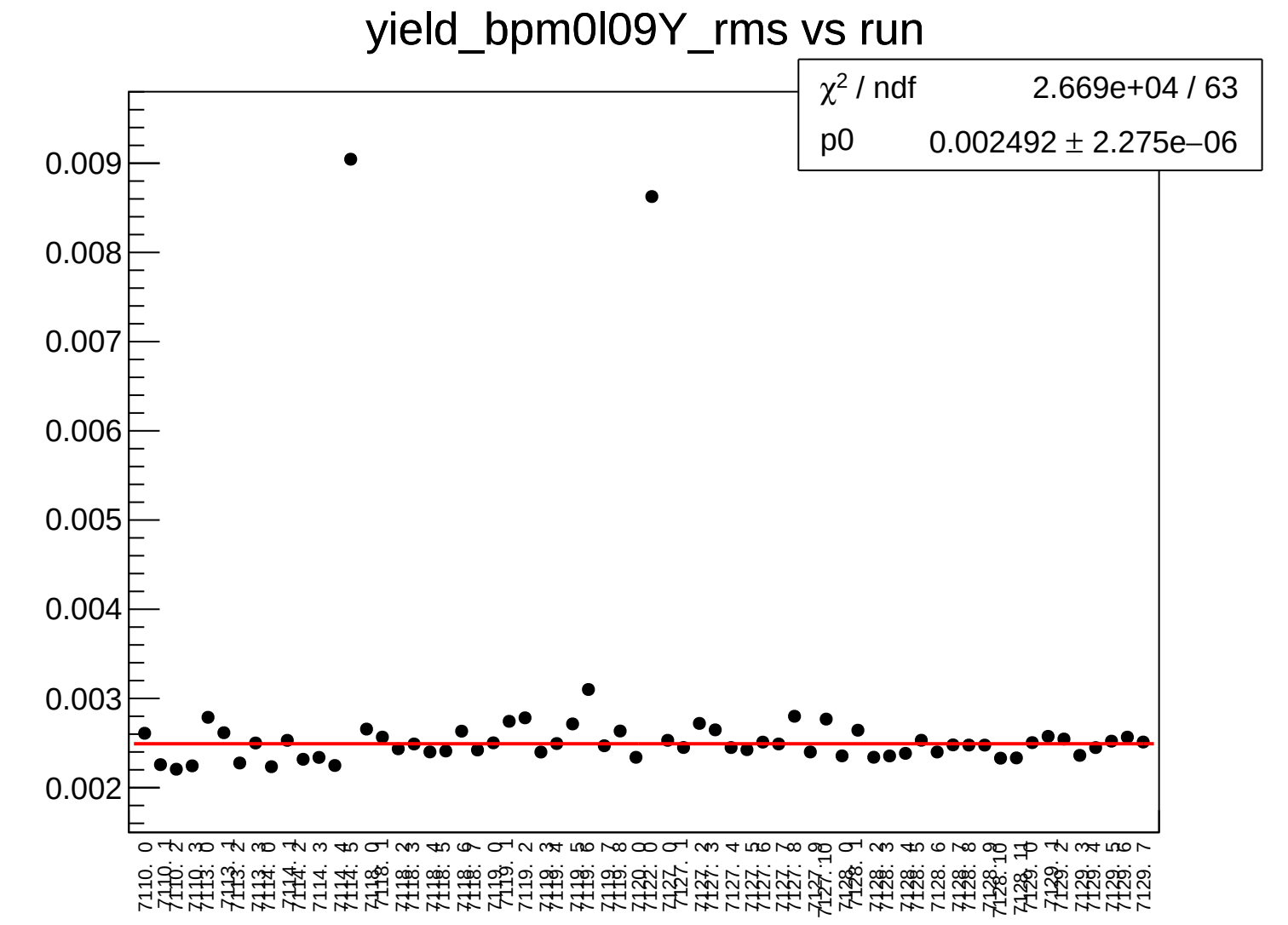

yield_bpm0l09X_mean vs run
χ² / ndf 2.745e+06 / 63
p0 0.287 ± 1.346e−05
0.32
0.3
0.28
0.26
0.24
0.22
pull
Entries 64
Mean 204
Std Dev 0
400
200
0
−200
−400
−600

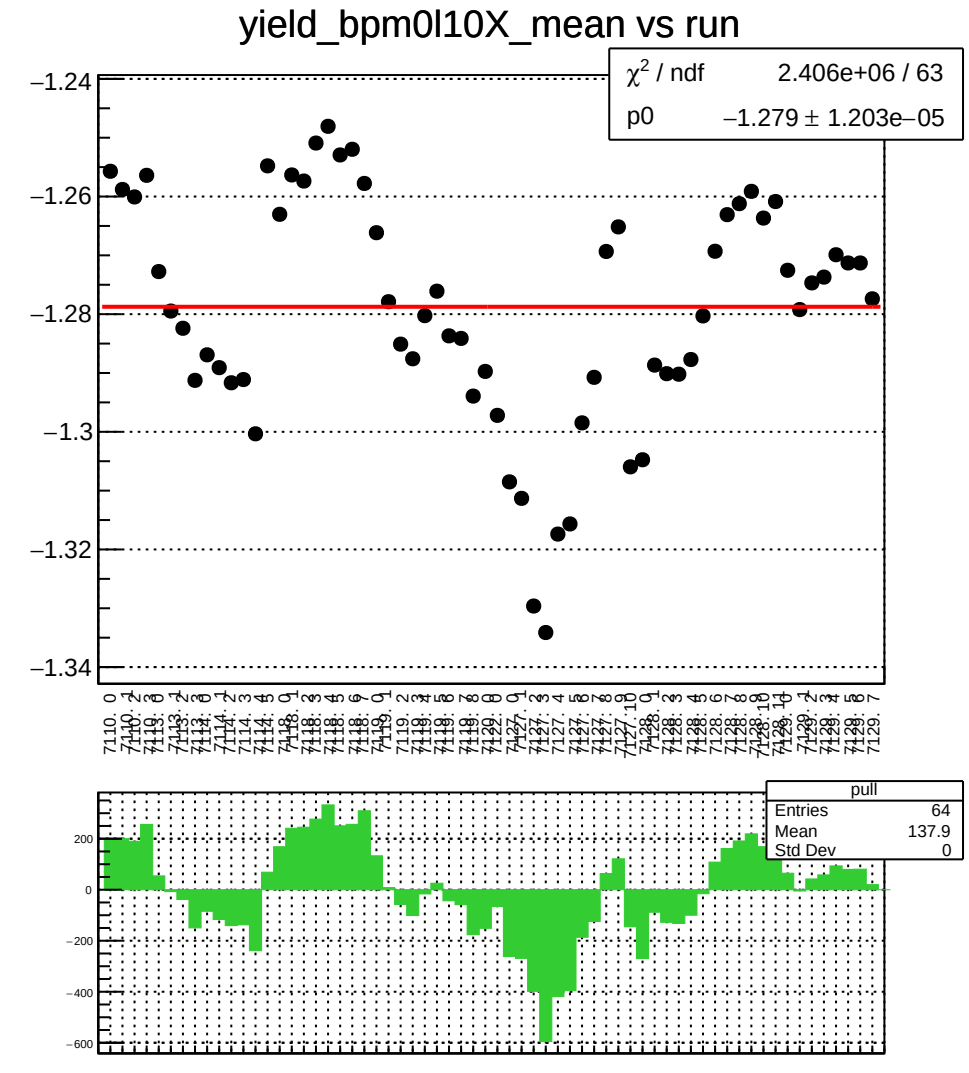

pull1D
Entries 64
Mean 2.002
Std Dev 3.093
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

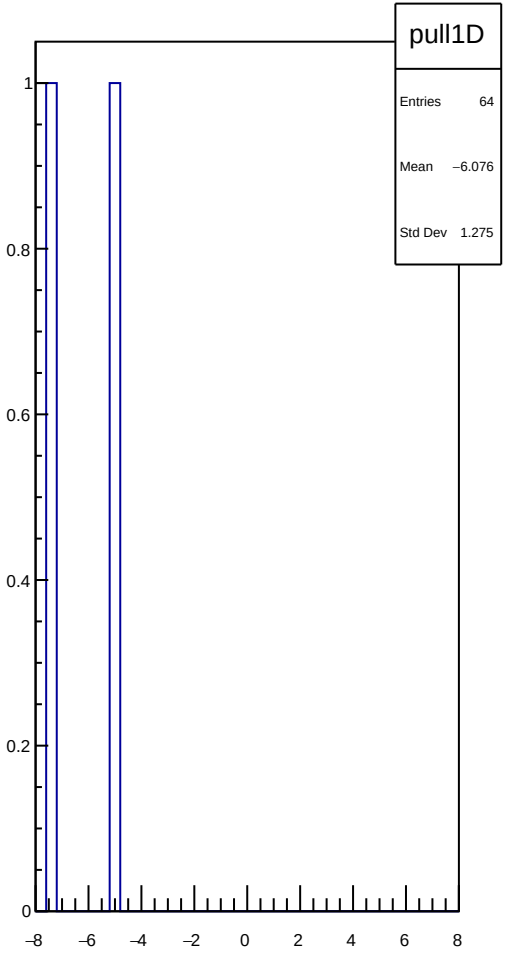

yield_bpm0l09X_rms vs run
χ² / ndf 4.125e+04 / 63
p0 0.01036 ± 9.517e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01

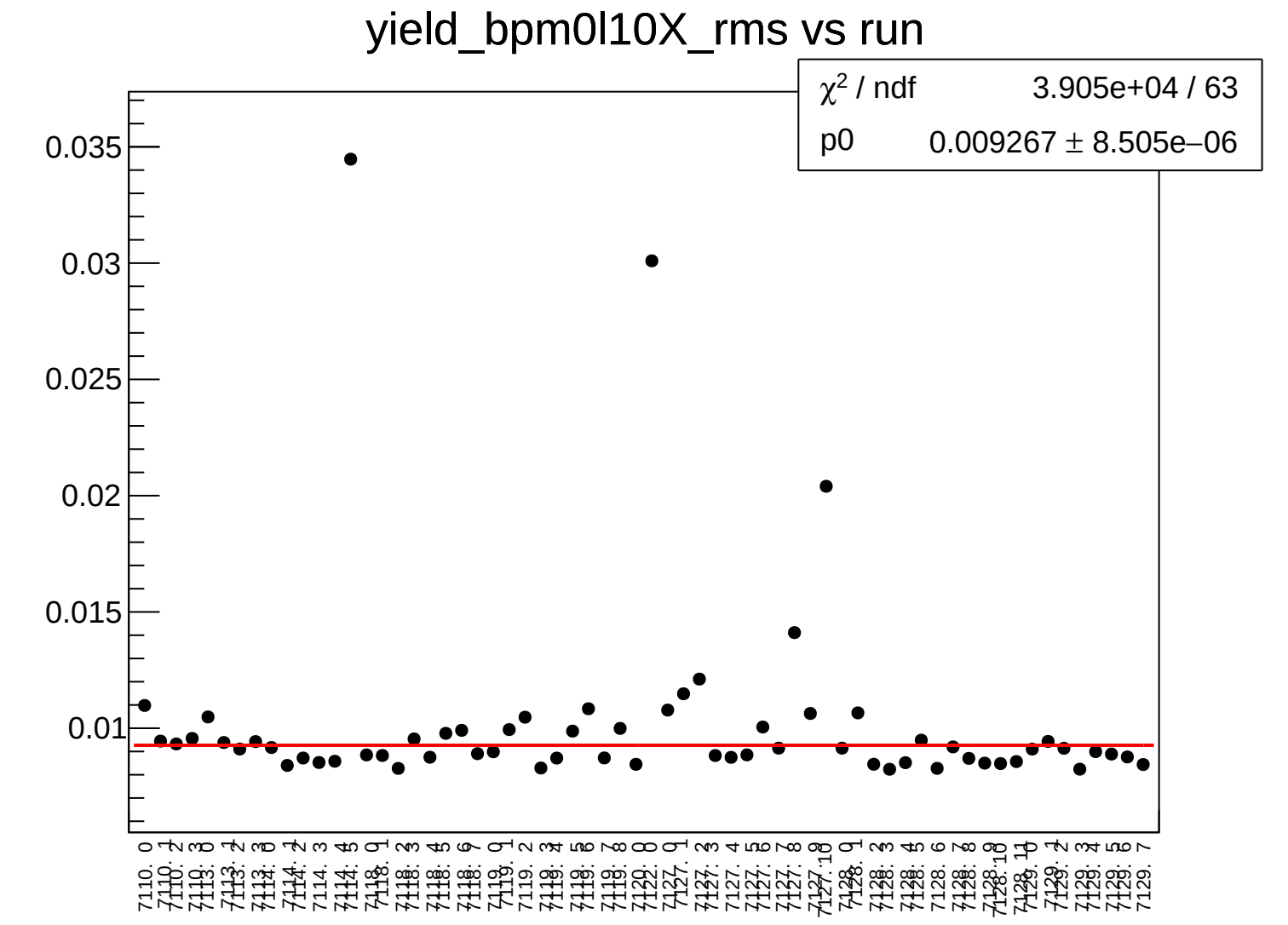

yield_bpm0l09Y_mean vs run
χ² / ndf 1.106e+07 / 63
p0 0.2075 ± 3.218e−06
pull
Entries 64
Mean −813.5
Std Dev 0

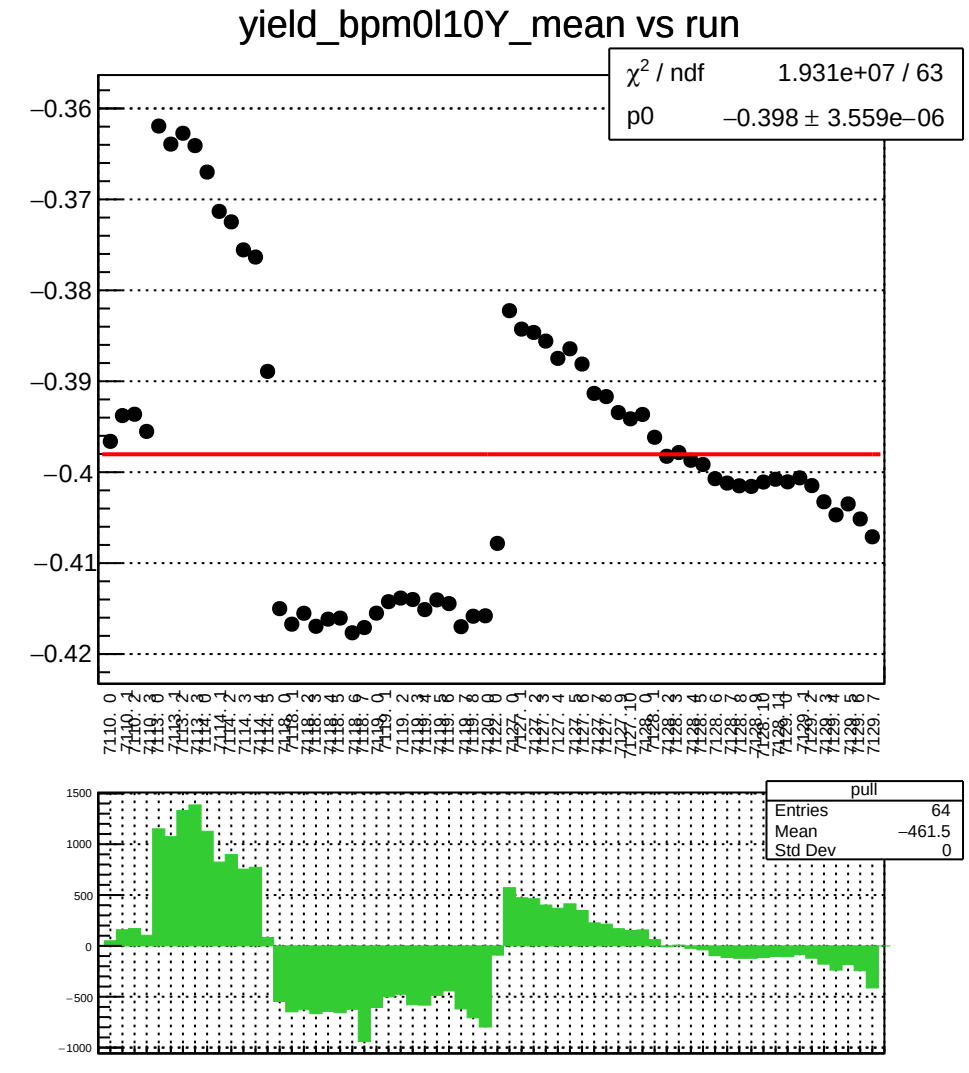

pull1D
Entries 64
Mean 1.121
Std Dev 3.884

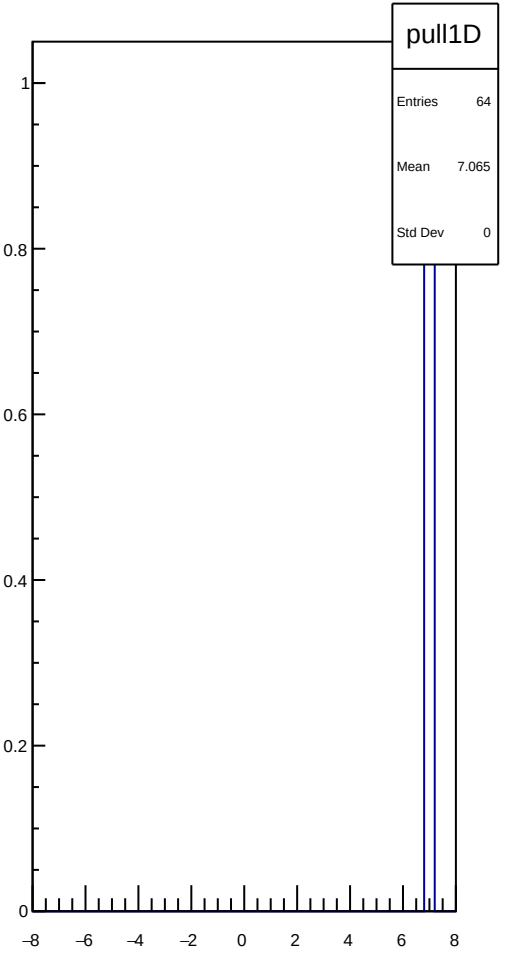

yield_bpm0l09Y_rms vs run
χ² / ndf 2.669e+04 / 63
p0 0.002492 ± 2.275e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

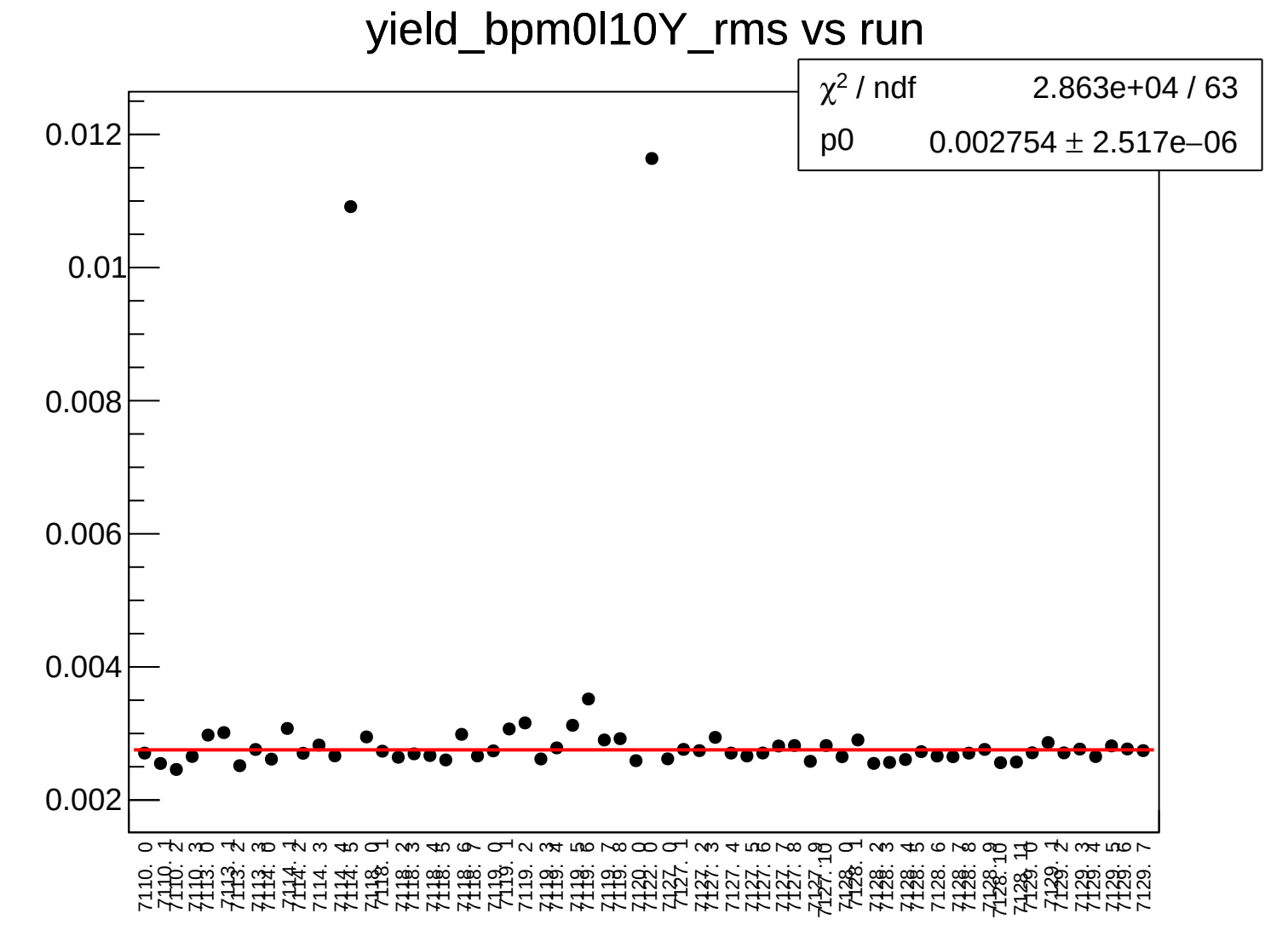

yield_bpm0l10X_mean vs run
χ² / ndf 2.406e+06 / 63
p0 −1.279 ± 1.203e−05
−1.24
−1.26
−1.28
−1.3
−1.32
−1.34
pull
Entries 64
Mean 137.9
Std Dev 0
200
0
−200
−400
−600

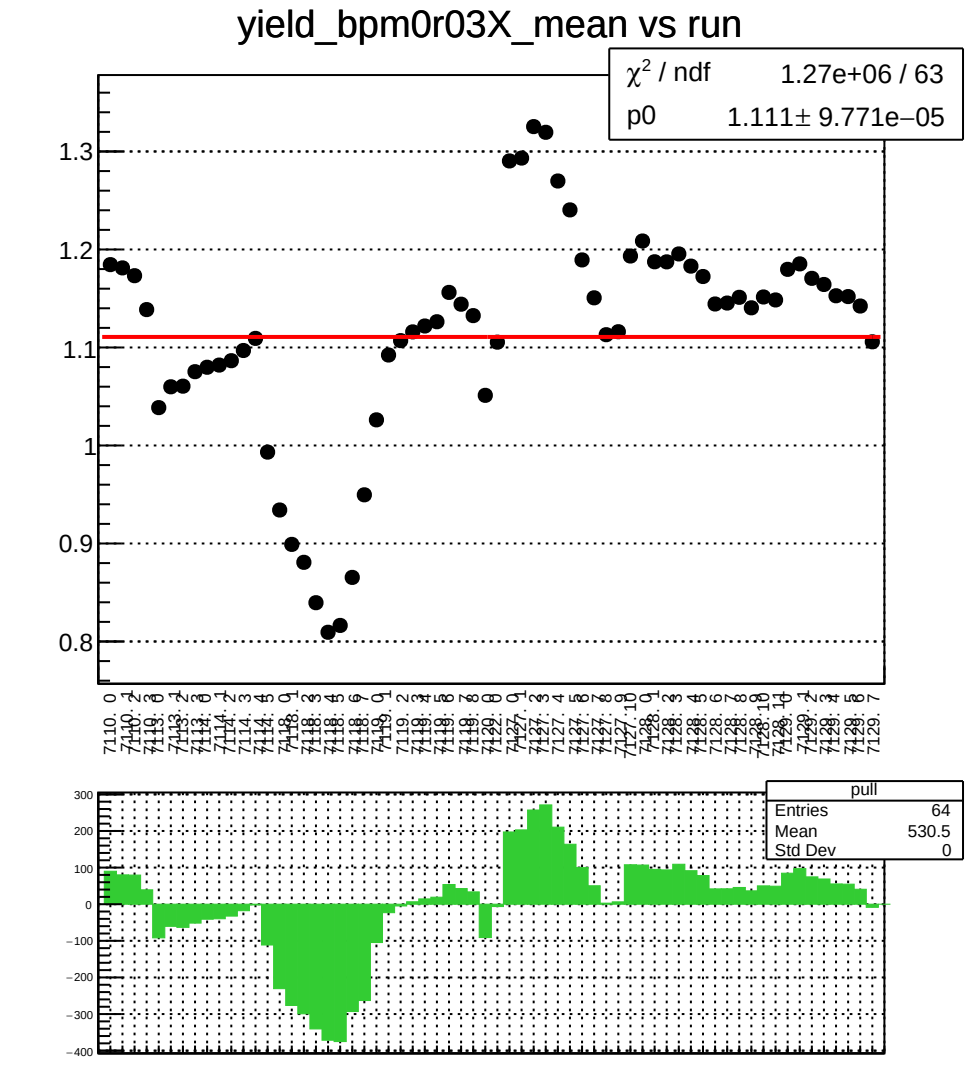

pull1D
Entries 64
Mean −6.076
Std Dev 1.275
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

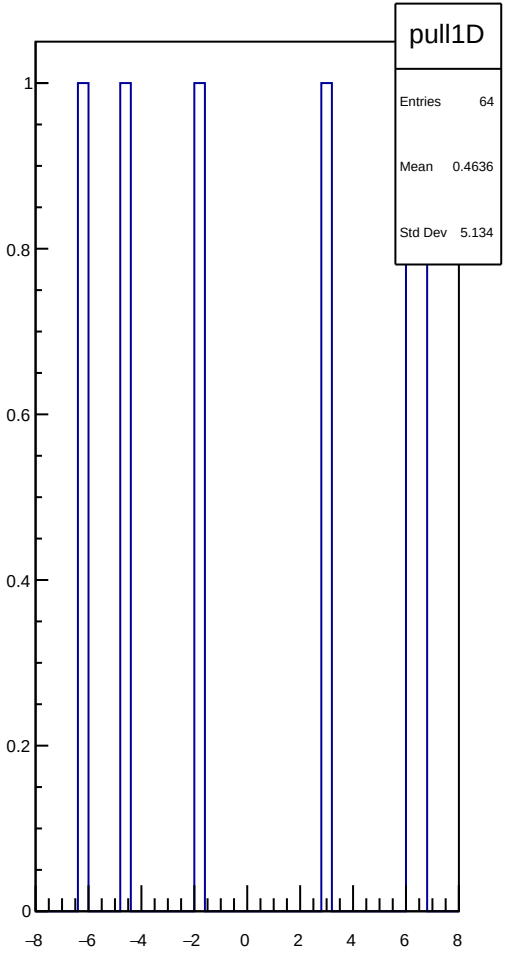

yield_bpm0l10X_rms vs run
χ^2 / ndf 3.905e+04 / 63
p0 0.009267 ± 8.505e−06
0.035
0.03
0.025
0.02
0.015
0.01

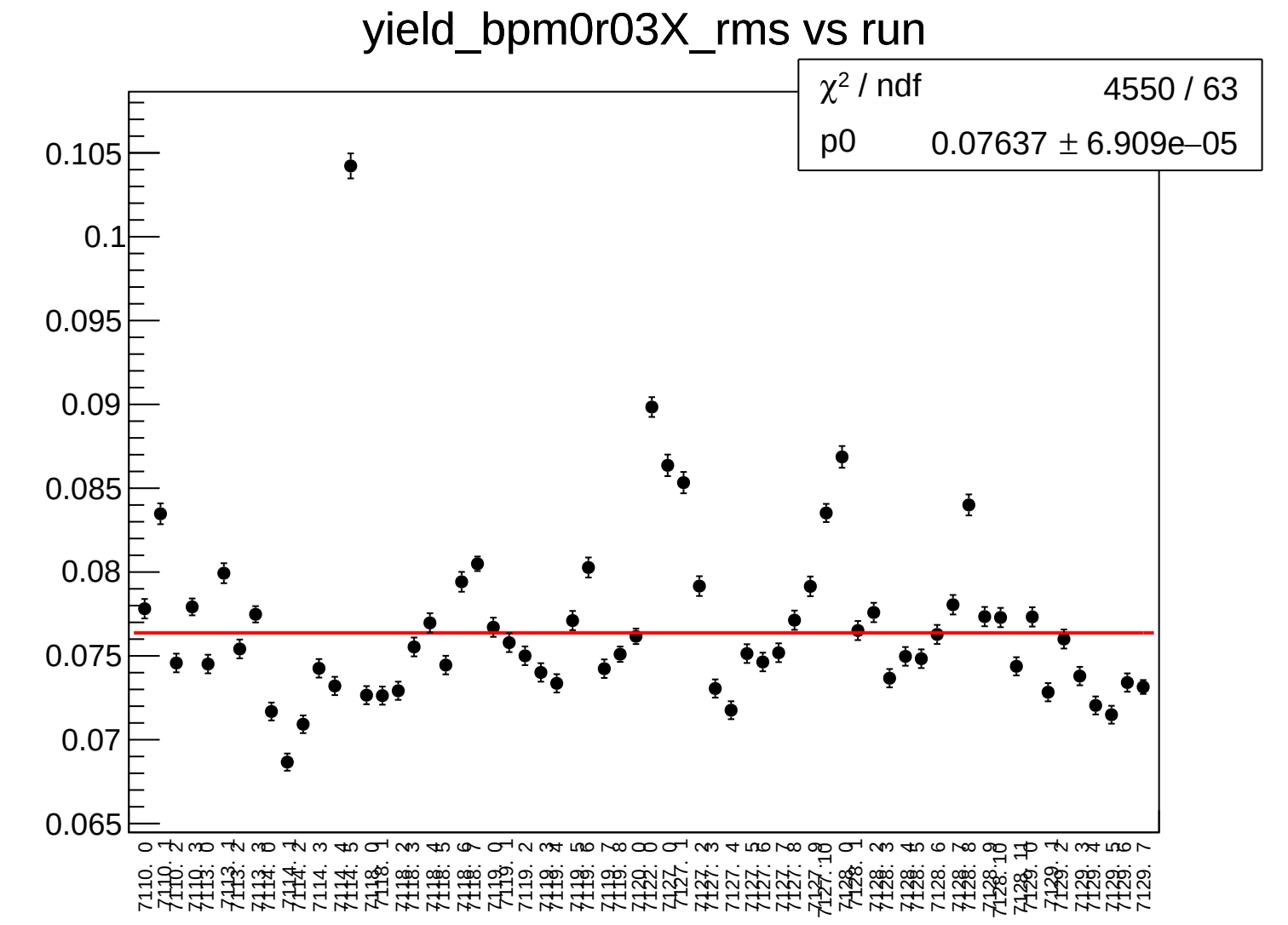

yield_bpm0l10Y_mean vs run
χ² / ndf 1.931e+07 / 63
p0 −0.398 ± 3.559e−06
pull
Entries 64
Mean −461.5
Std Dev 0

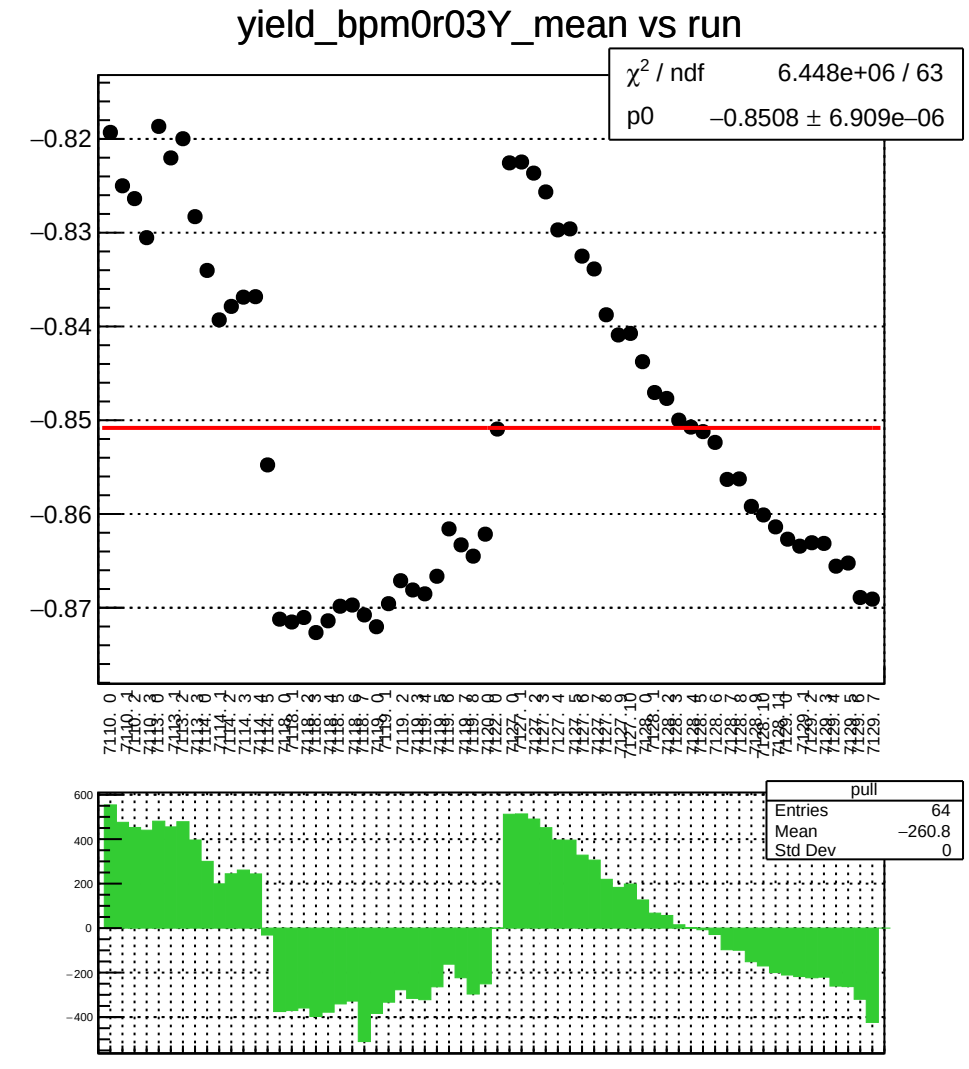

pull1D
Entries 64
Mean 7.065
Std Dev 0

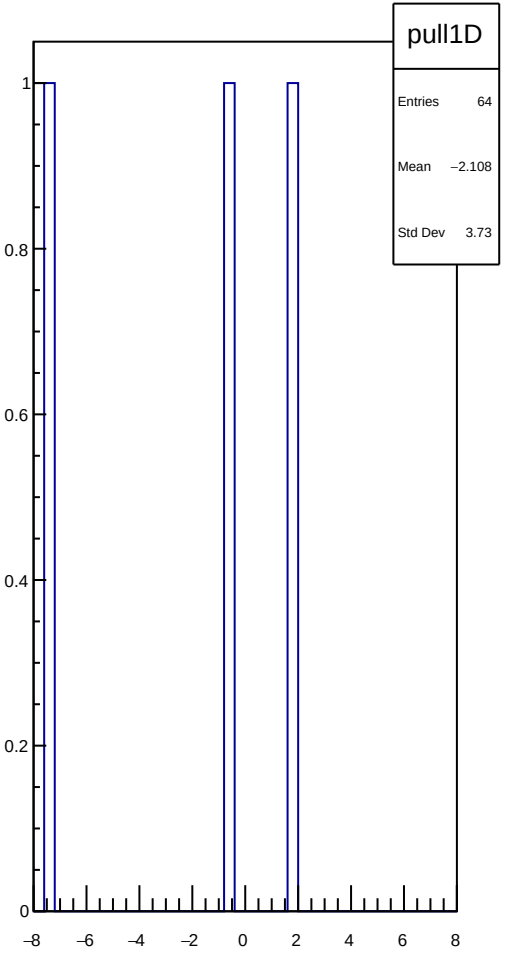

yield_bpm0l10Y_rms vs run
χ² / ndf 2.863e+04 / 63
p0 0.002754 ± 2.517e−06
0.012
0.01
0.008
0.006
0.004
0.002

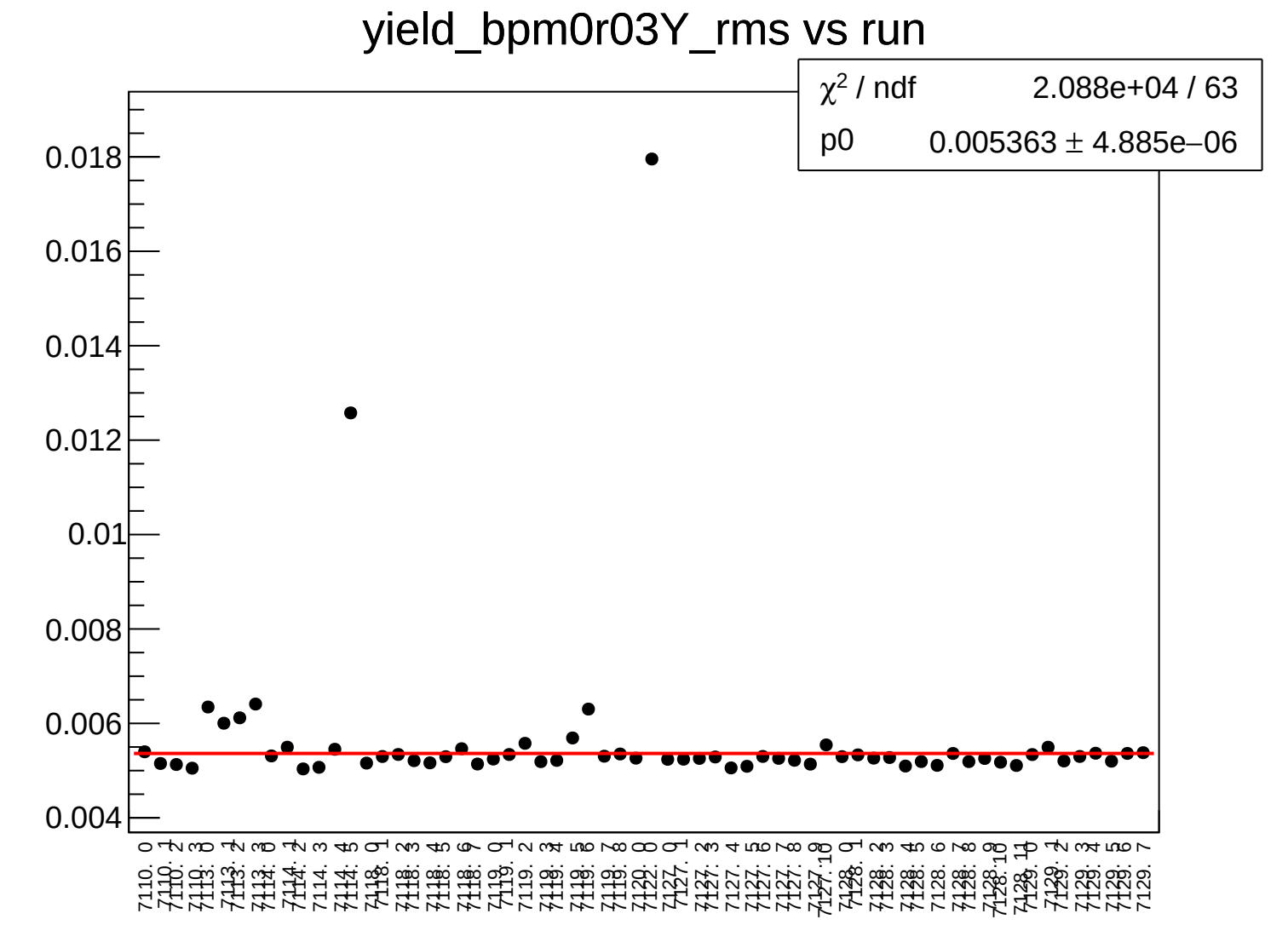

yield_bpm0r03X_mean vs run
χ² / ndf 1.27e+06 / 63
p0 1.111± 9.771e−05
pull
Entries 64
Mean 530.5
Std Dev 0

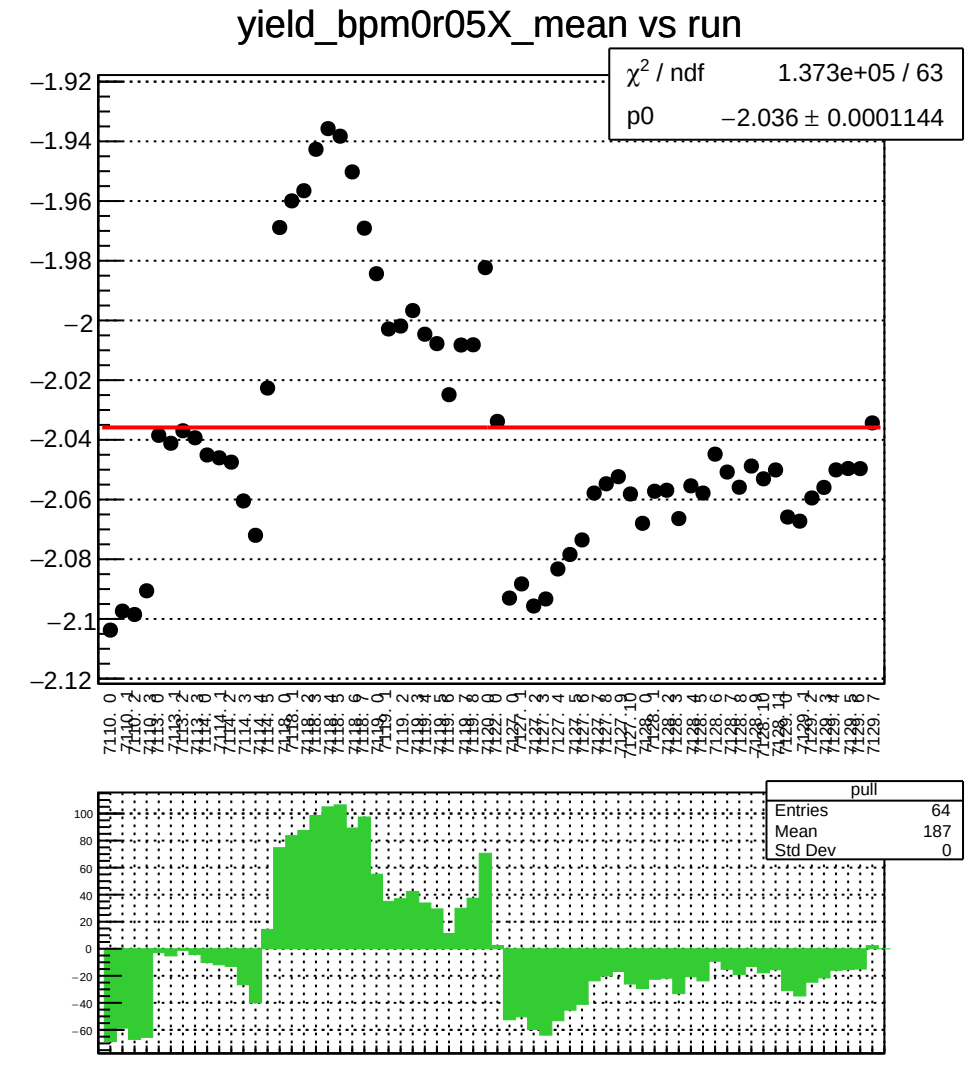

pull1D
Entries 64
Mean 0.4636
Std Dev 5.134

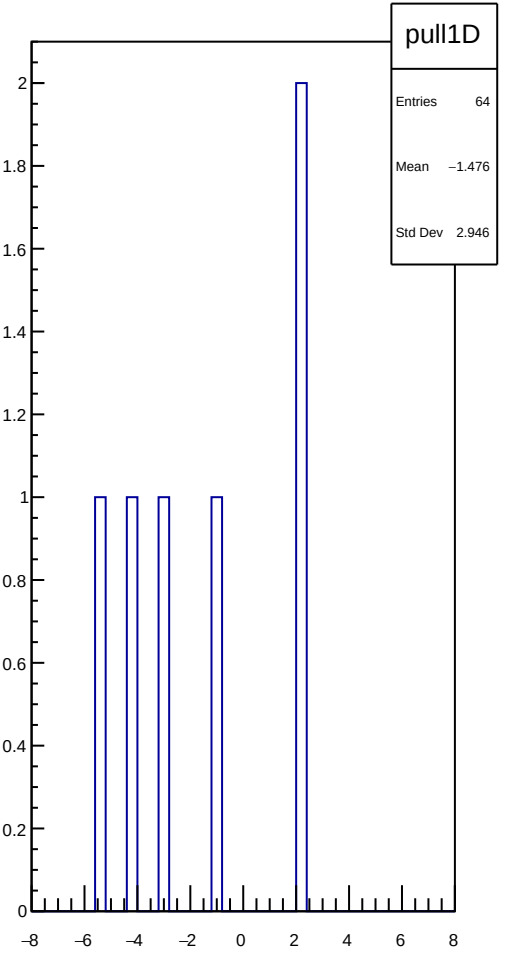

yield_bpm0r03X_rms vs run
χ² / ndf 4550 / 63
p0 0.07637 ± 6.909e–05
0.105
0.1
0.095
0.09
0.085
0.08
0.075
0.07
0.065

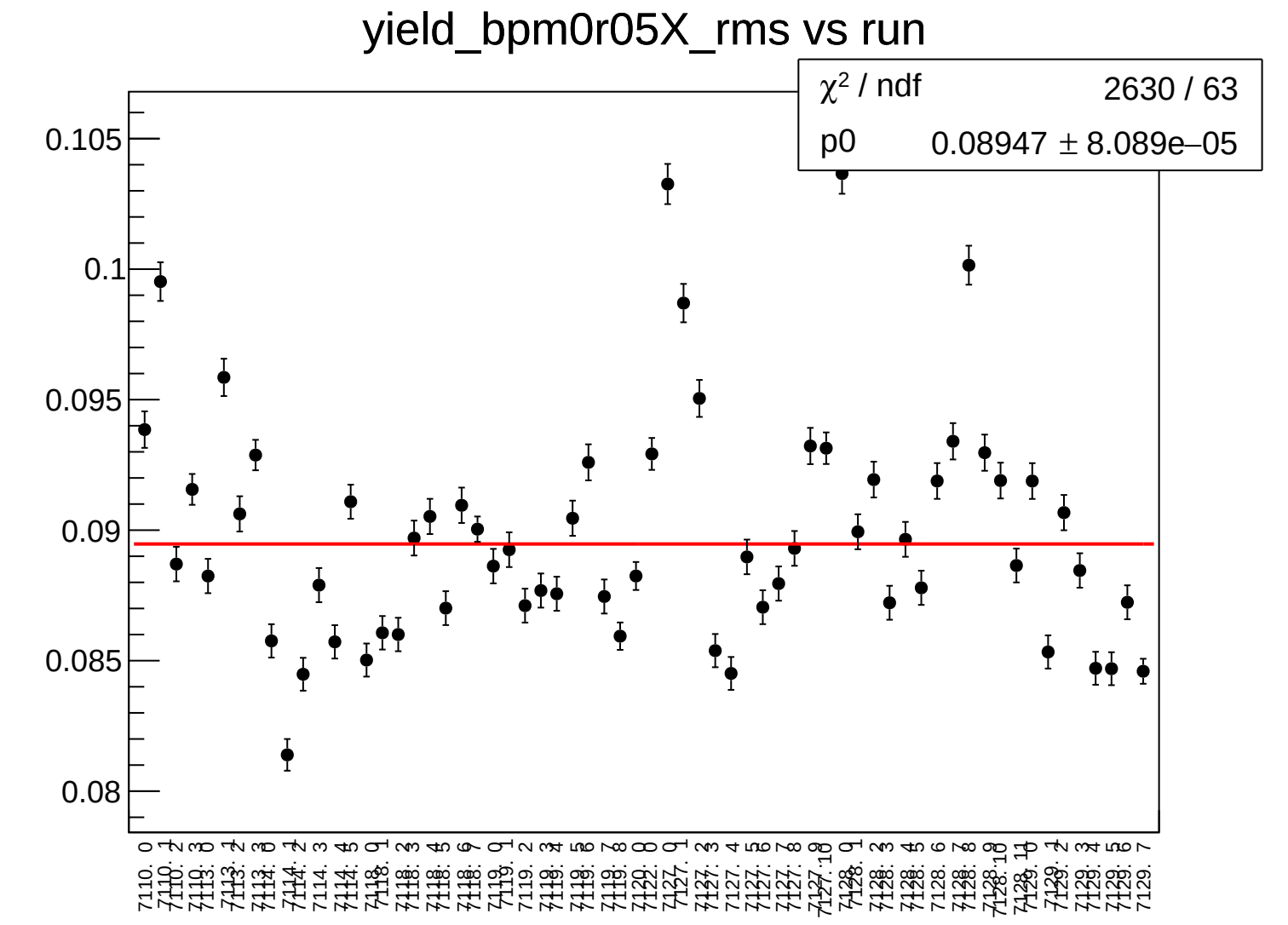

yield_bpm0r03Y_mean vs run
χ² / ndf 6.448e+06 / 63
p0 −0.8508 ± 6.909e−06
−0.82
−0.83
−0.84
−0.85
−0.86
−0.87
pull
Entries 64
Mean −260.8
Std Dev 0
600
400
200
0
−200
−400

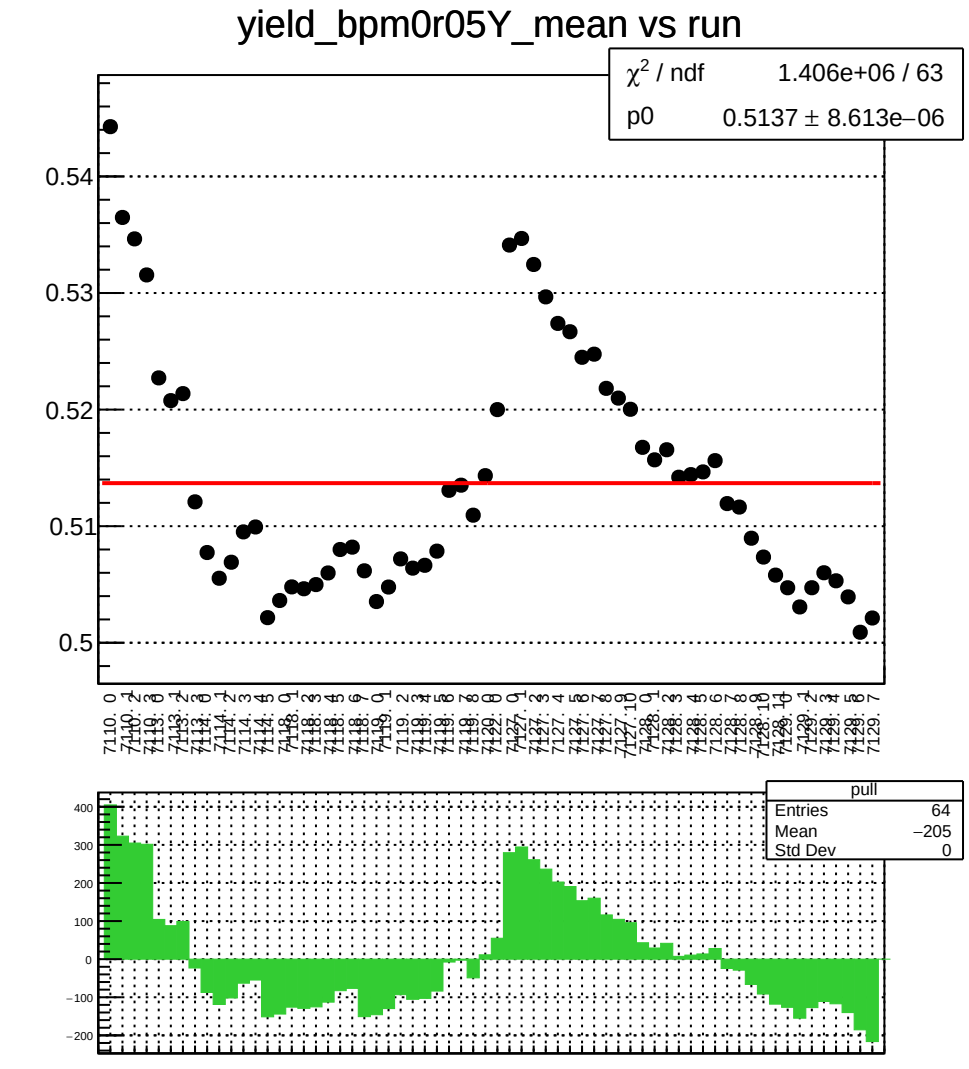

pull1D
Entries 64
Mean −2.108
Std Dev 3.73
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

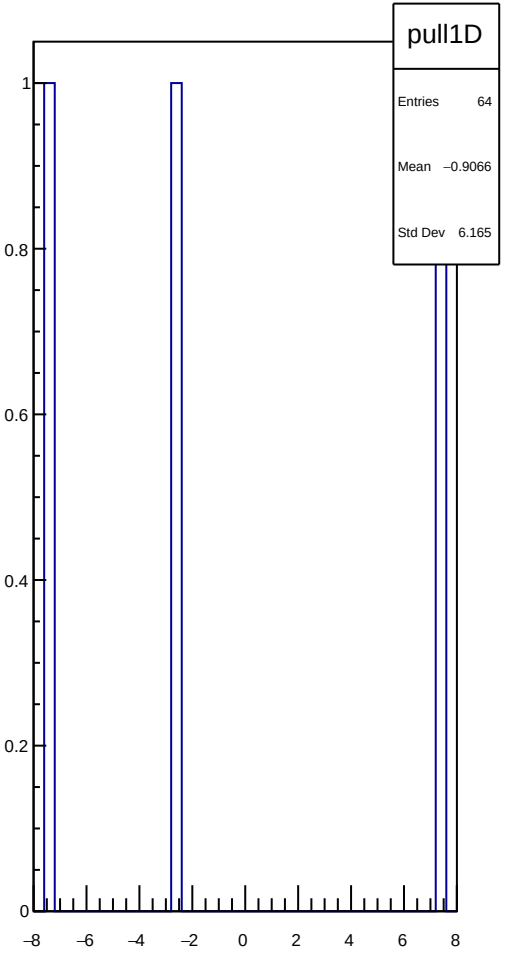

yield_bpm0r03Y_rms vs run
χ² / ndf 2.088e+04 / 63
p0 0.005363 ± 4.885e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

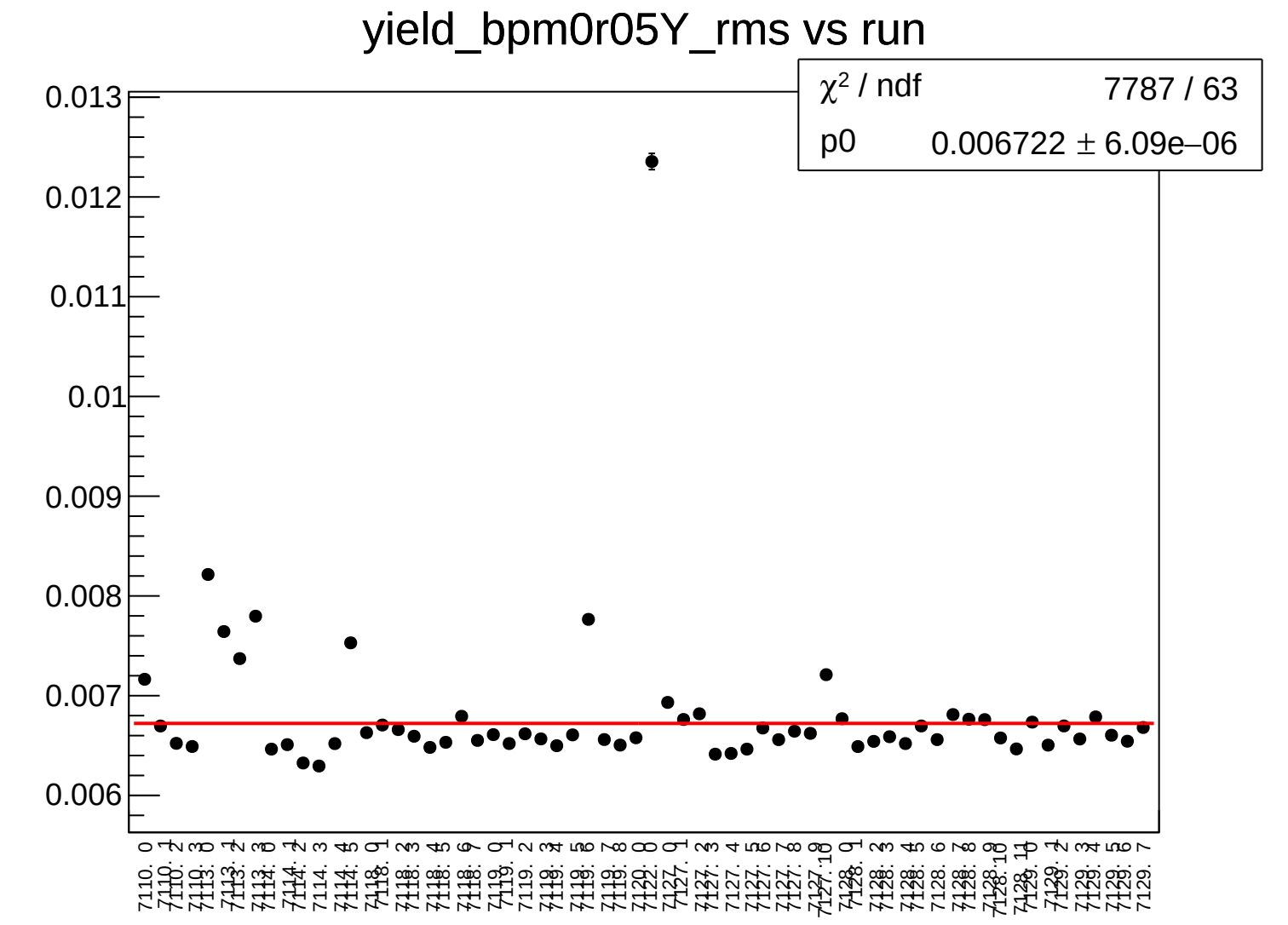

yield_bpm0r05X_mean vs run
χ² / ndf 1.373e+05 / 63
p0 −2.036 ± 0.0001144
pull
Entries 64
Mean 187
Std Dev 0

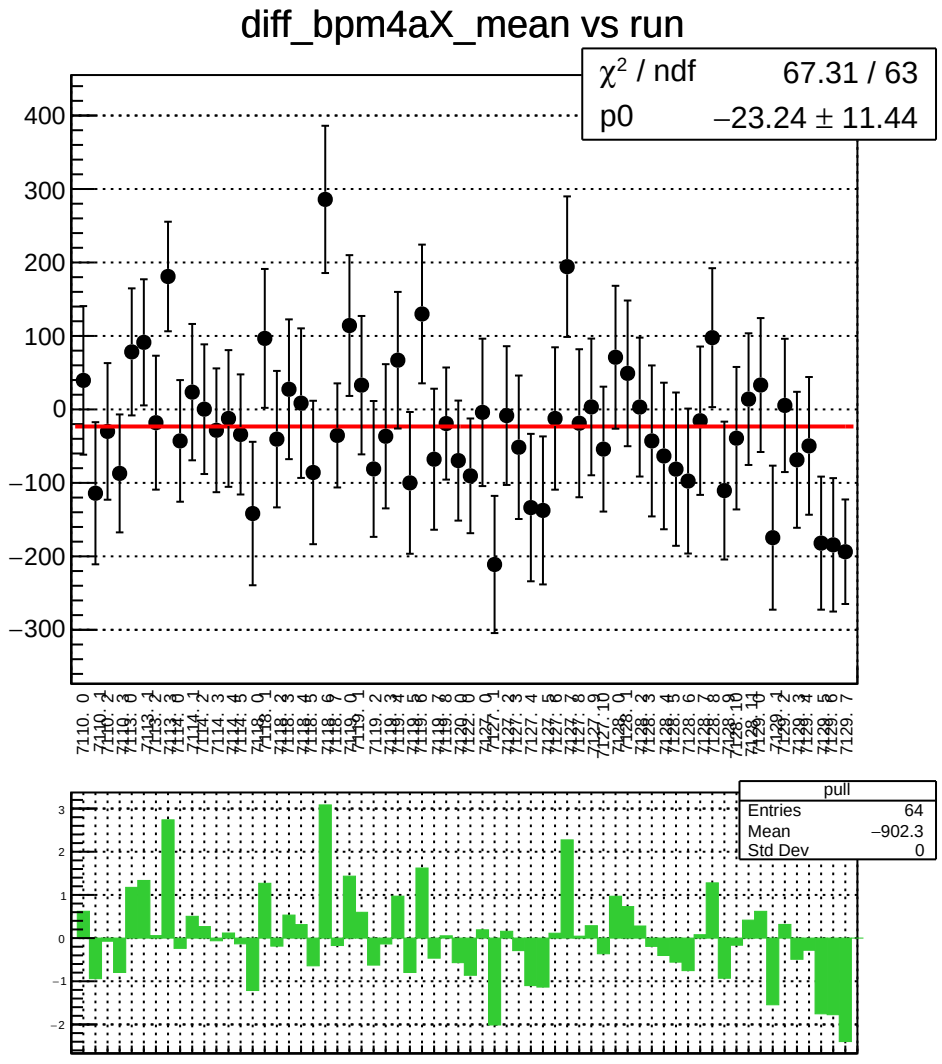

pull1D
Entries 64
Mean −1.476
Std Dev 2.946

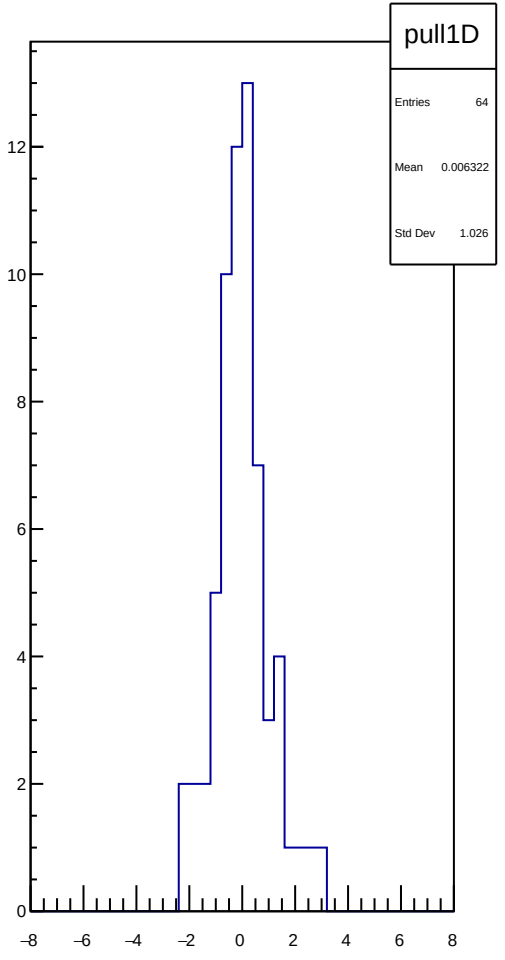

yield_bpm0r05X_rms vs run
χ² / ndf 2630 / 63
p0 0.08947 ± 8.089e–05
0.105
0.1
0.095
0.09
0.085
0.08

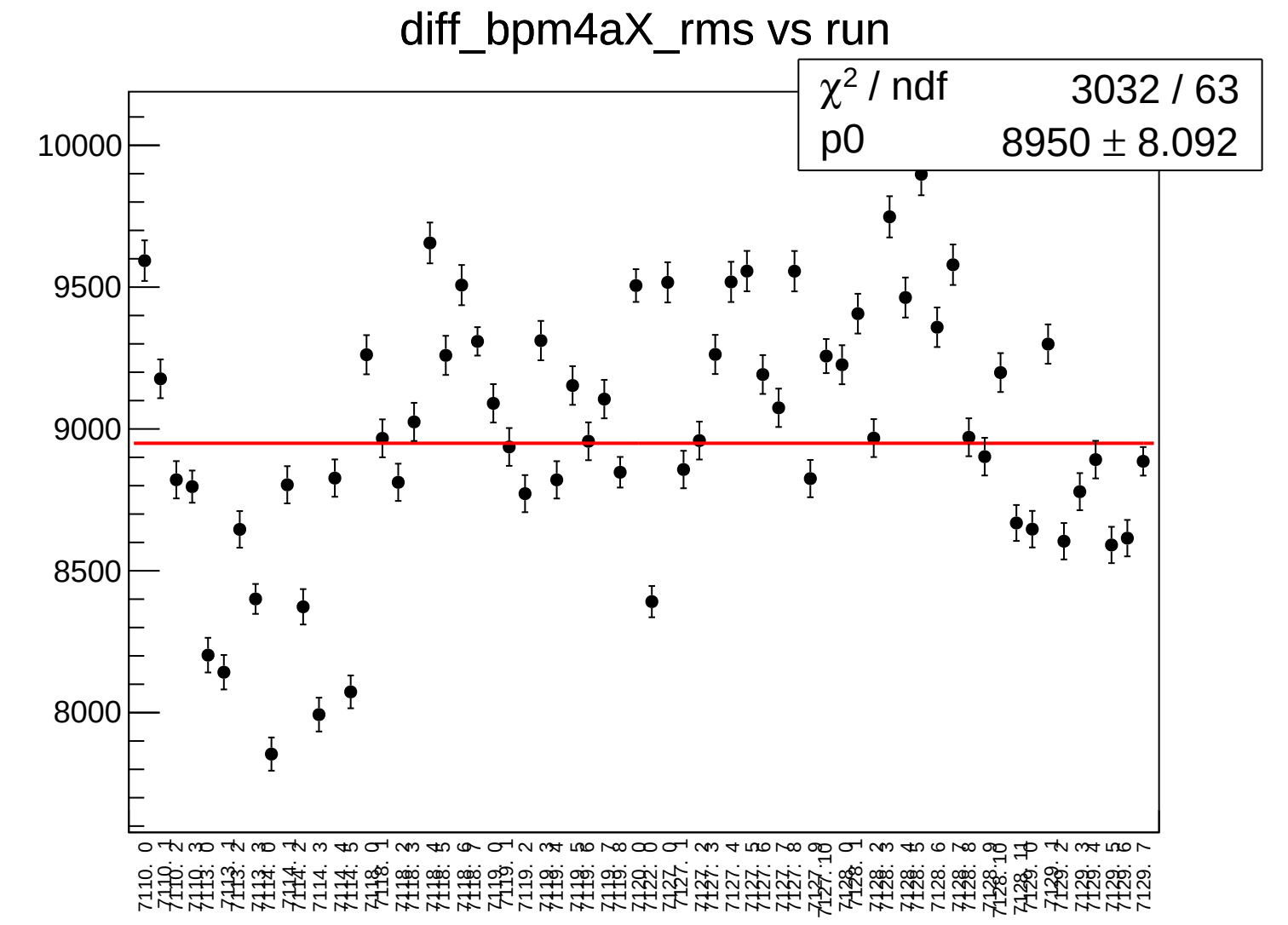

yield_bpm0r05Y_mean vs run
χ² / ndf 1.406e+06 / 63
p0 0.5137 ± 8.613e−06
0.54
0.53
0.52
0.51
0.5
pull
Entries 64
Mean −205
Std Dev 0
400
300
200
100
0
−100
−200

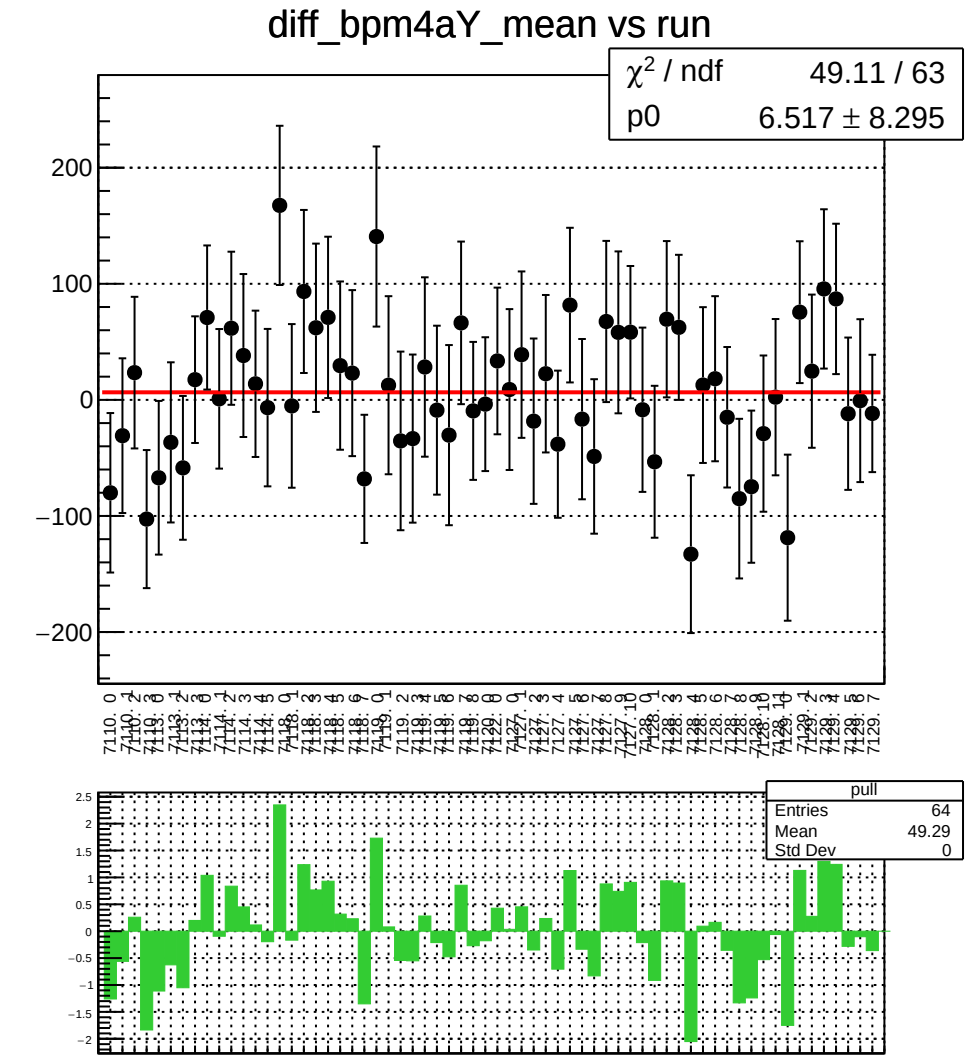

pull1D
Entries 64
Mean −0.9066
Std Dev 6.165
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

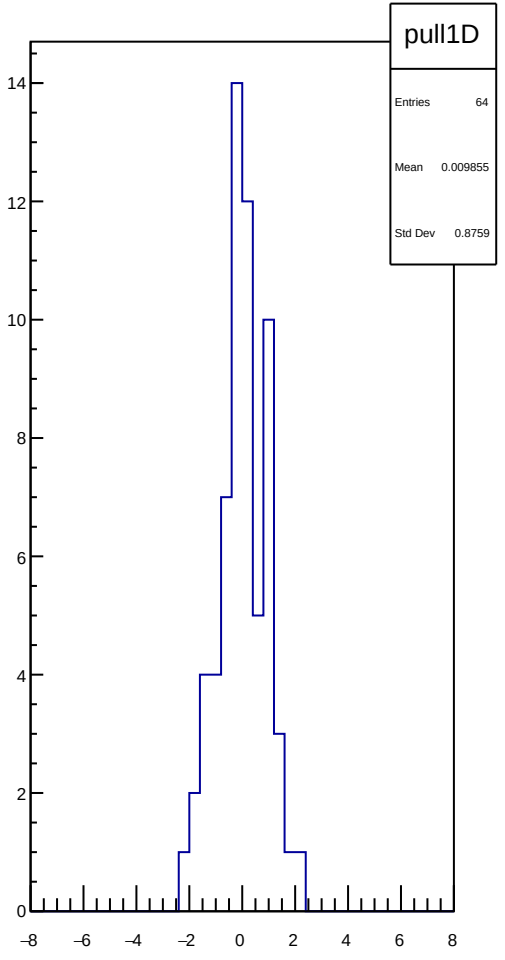

yield_bpm0r05Y_rms vs run
χ² / ndf 7787 / 63
p0 0.006722 ± 6.09e–06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

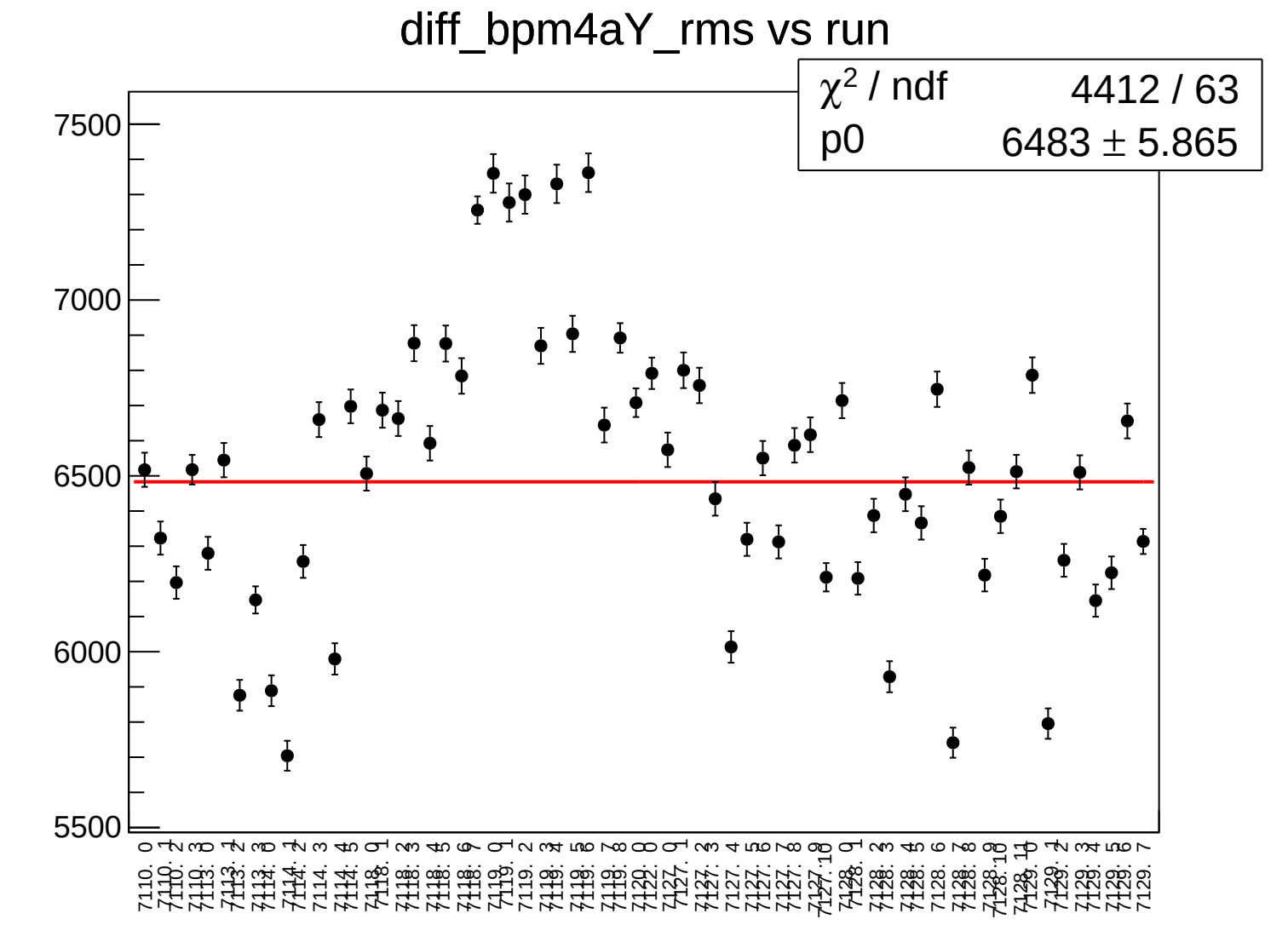

diff_bpm4aX_mean vs run
χ² / ndf 67.31 / 63
p0 −23.24 ± 11.44
pull
Entries 64
Mean −902.3
Std Dev 0

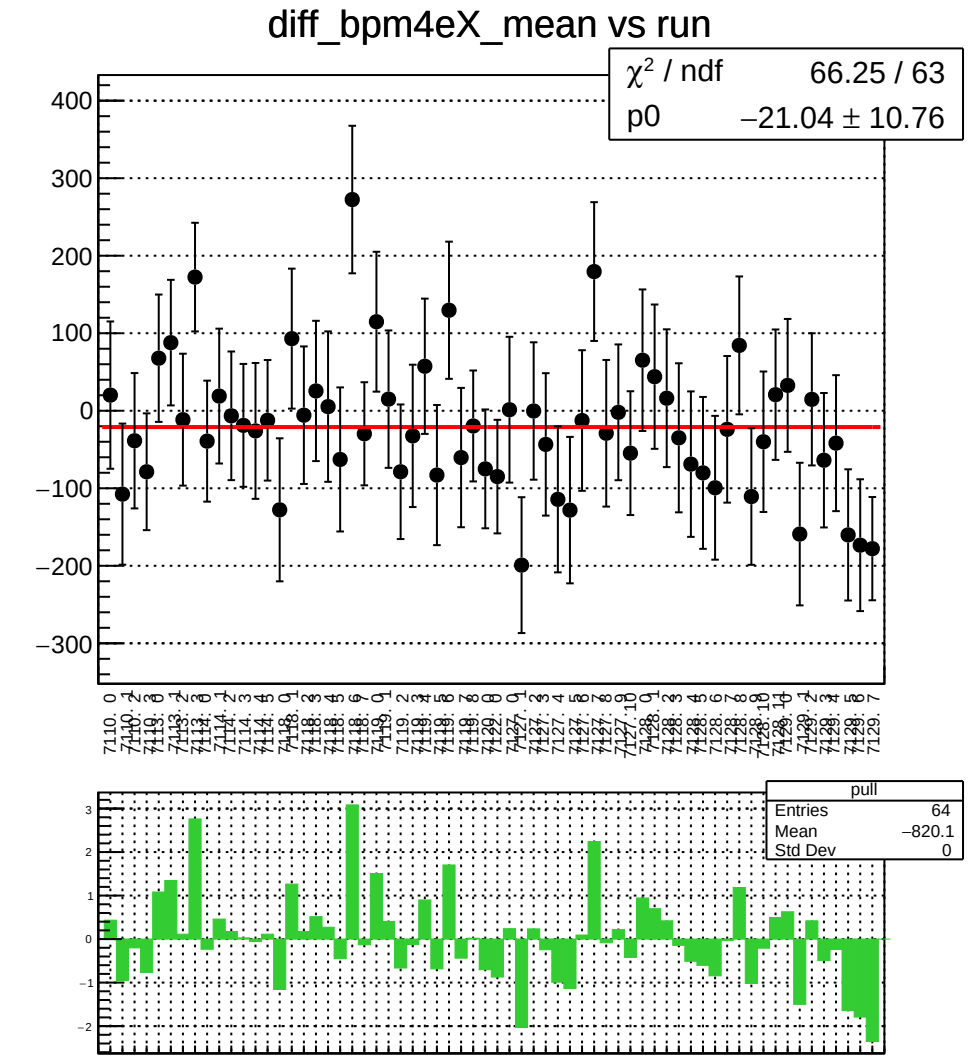

pull1D
Entries 64
Mean 0.006322
Std Dev 1.026

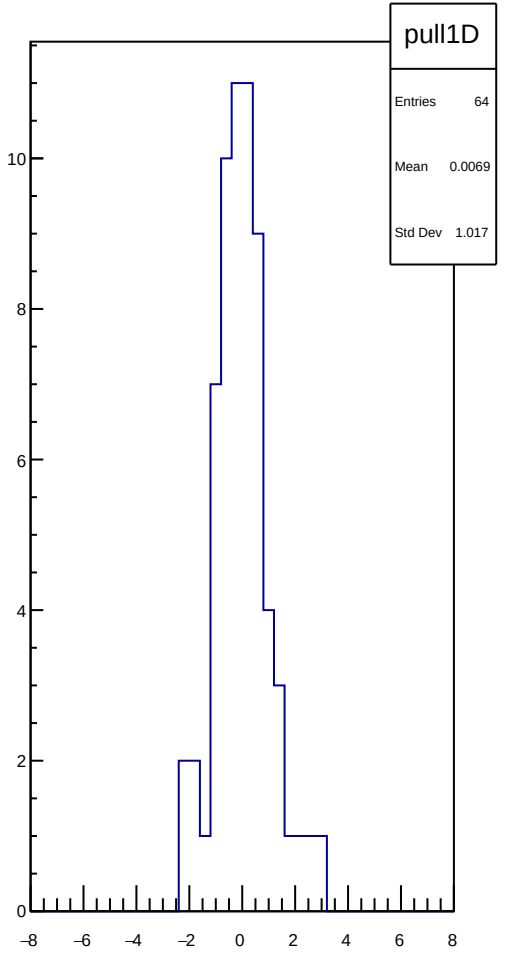

diff_bpm4aX_rms vs run
χ² / ndf 3032 / 63
p0 8950 ± 8.092
10000
9500
9000
8500
8000

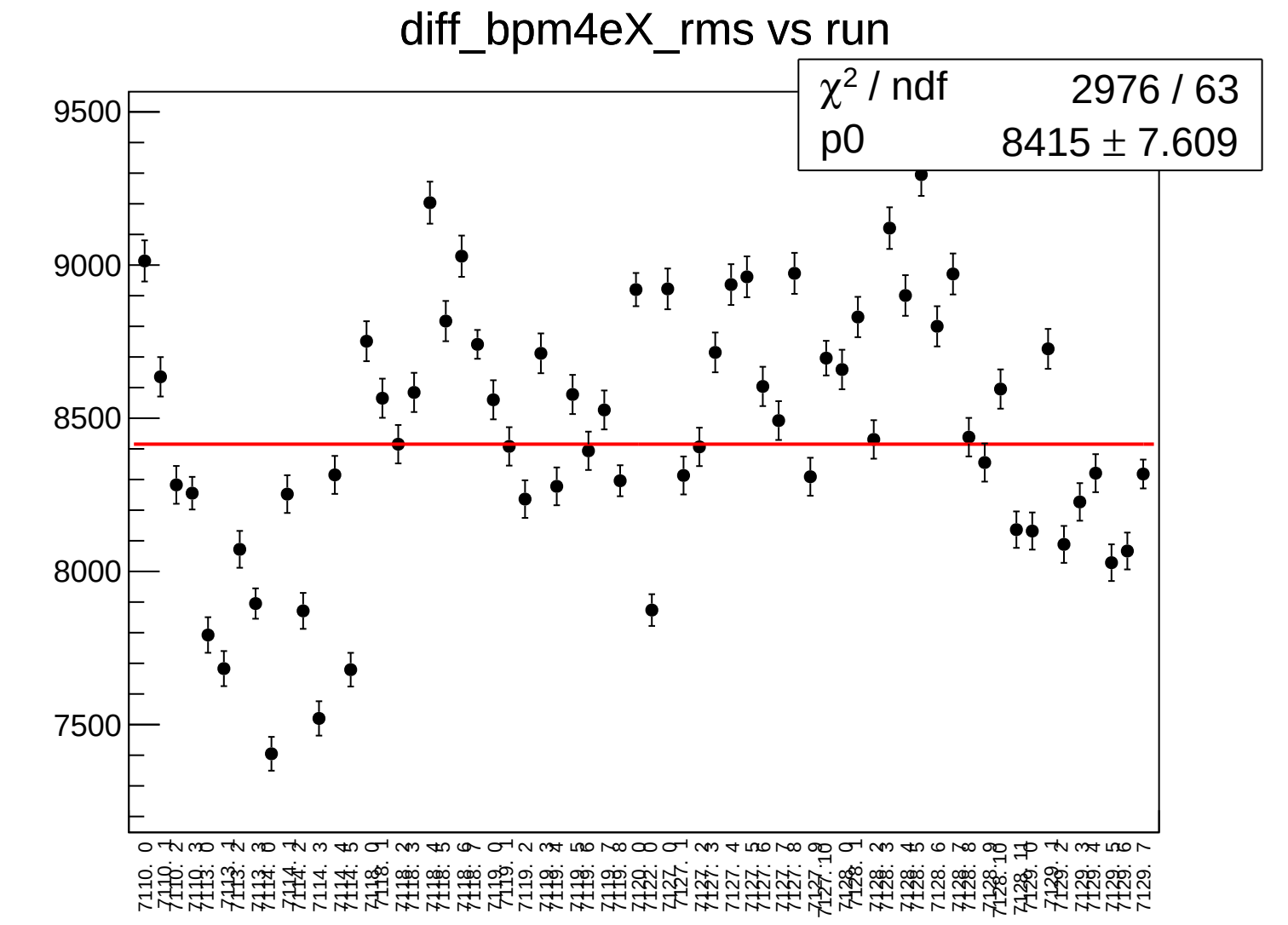

diff_bpm4aY_mean vs run
χ² / ndf 49.11 / 63
p0 6.517 ± 8.295
pull
Entries 64
Mean 49.29
Std Dev 0

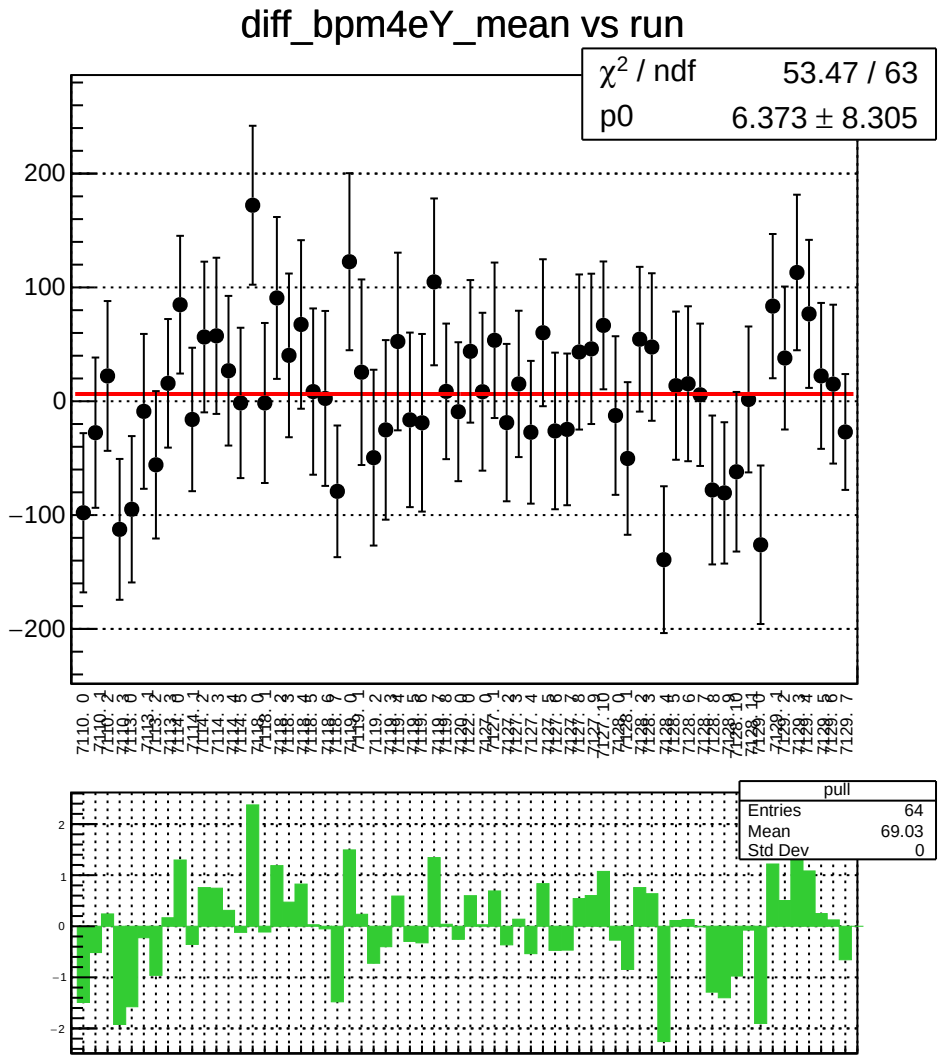

pull1D
Entries 64
Mean 0.009855
Std Dev 0.8759

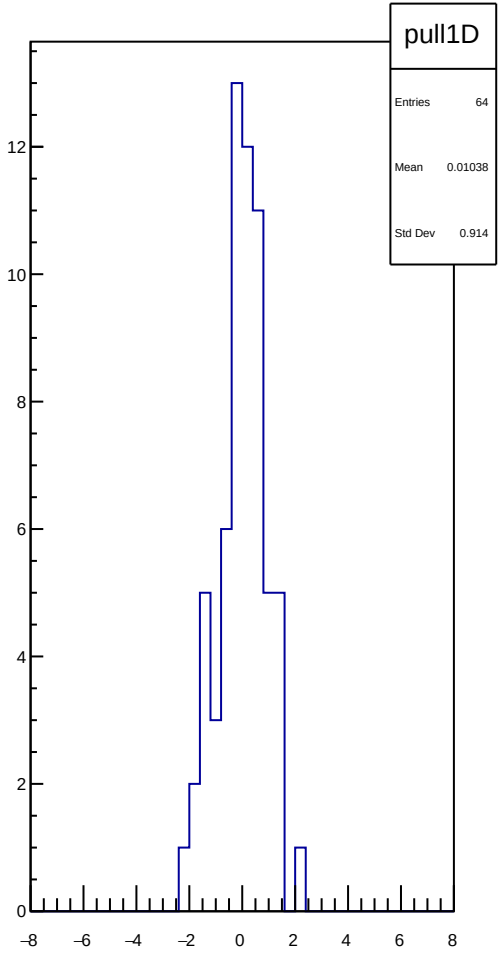

diff_bpm4aY_rms vs run
χ² / ndf 4412 / 63
p0 6483 ± 5.865
7500
7000
6500
6000
5500

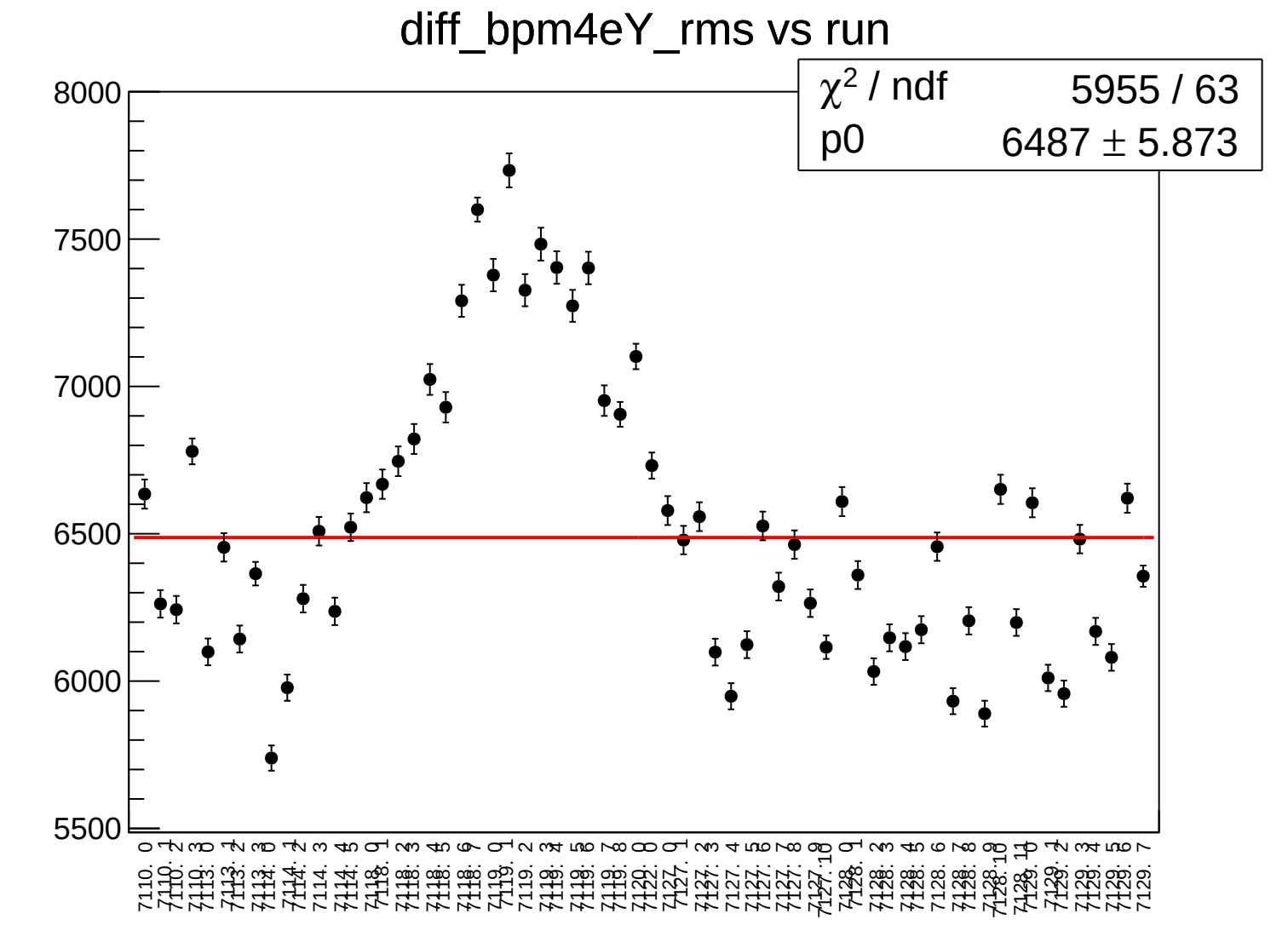

diff_bpm4eX_mean vs run
χ² / ndf 66.25 / 63
p0 −21.04 ± 10.76
pull
Entries 64
Mean −820.1
Std Dev 0

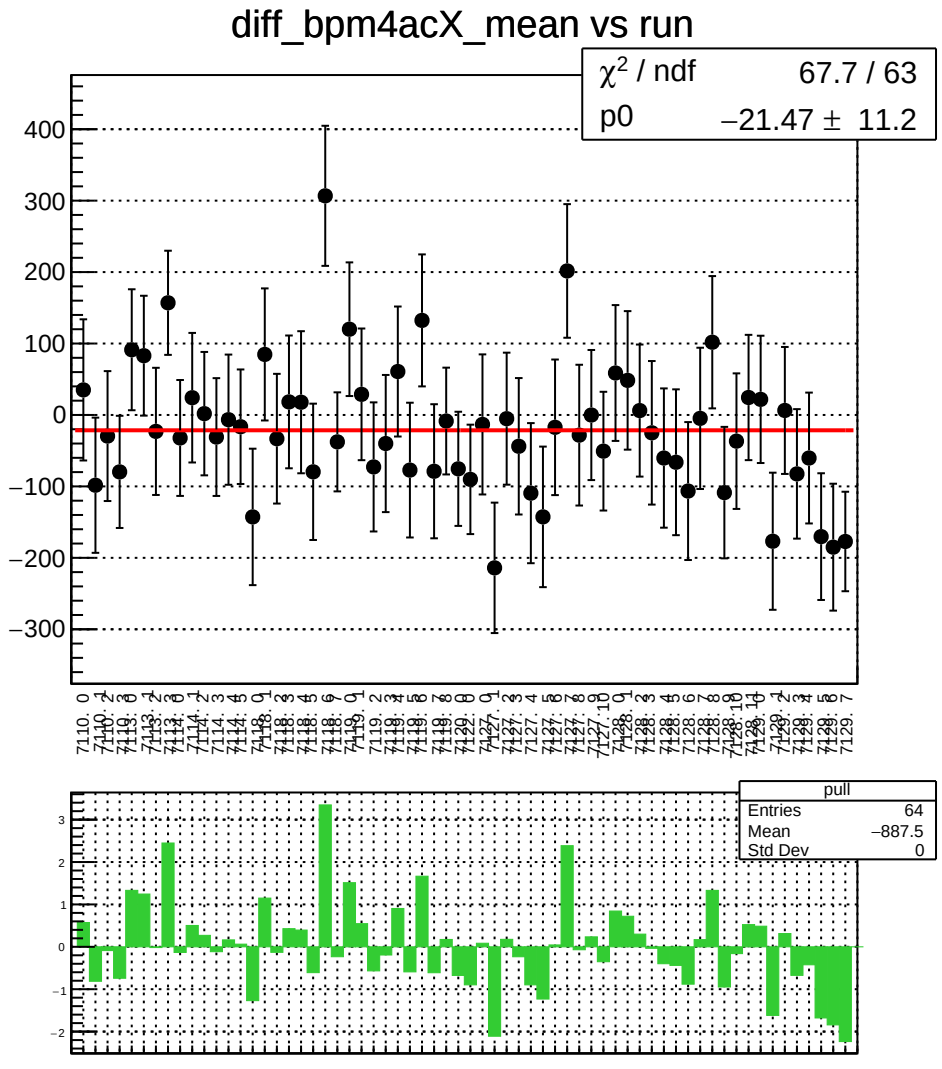

pull1D
Entries 64
Mean 0.0069
Std Dev 1.017

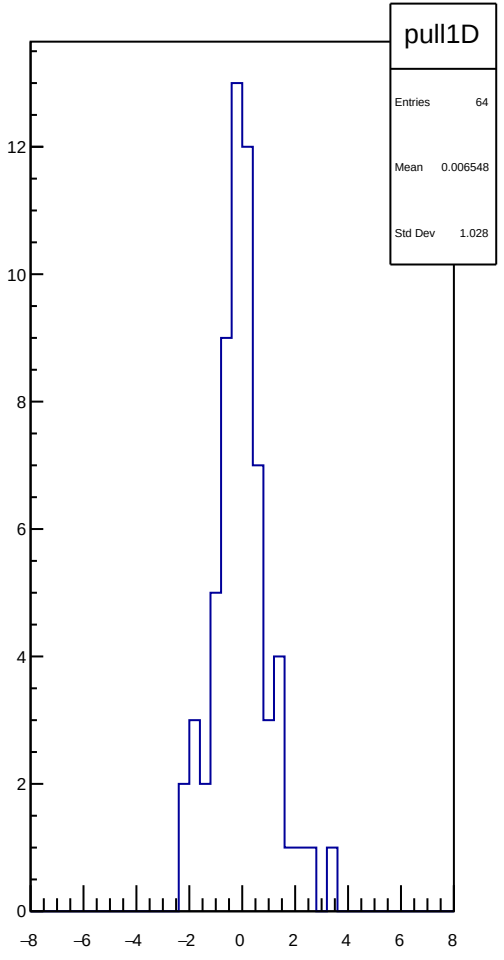

diff_bpm4eX_rms vs run
χ² / ndf 2976 / 63
p0 8415 ± 7.609
9500
9000
8500
8000
7500

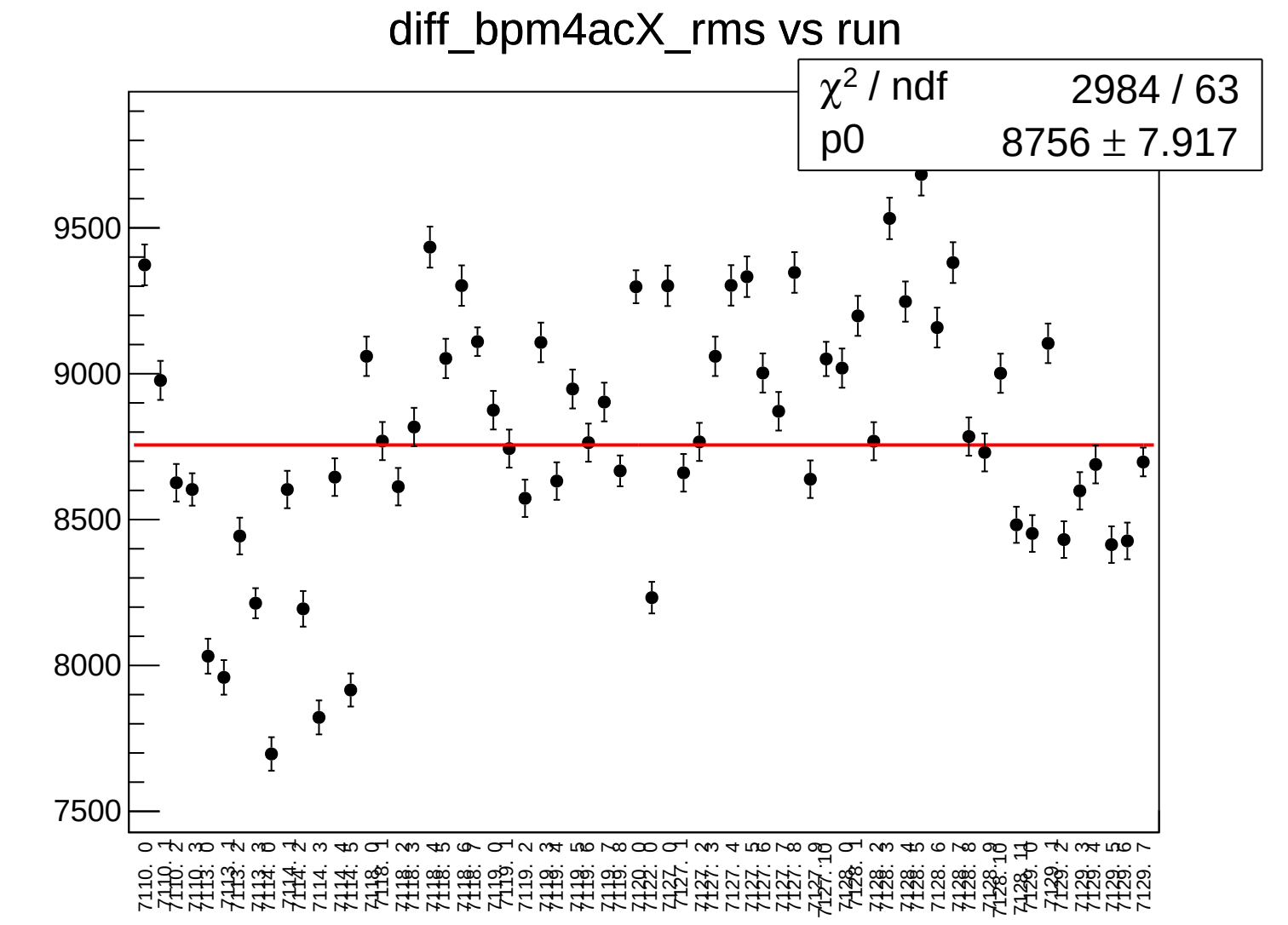

diff_bpm4eY_mean vs run
χ² / ndf 53.47 / 63
p0 6.373 ± 8.305
200
100
0
−100
−200
pull
Entries 64
Mean 69.03
Std Dev 0
2
1
0
−1
−2

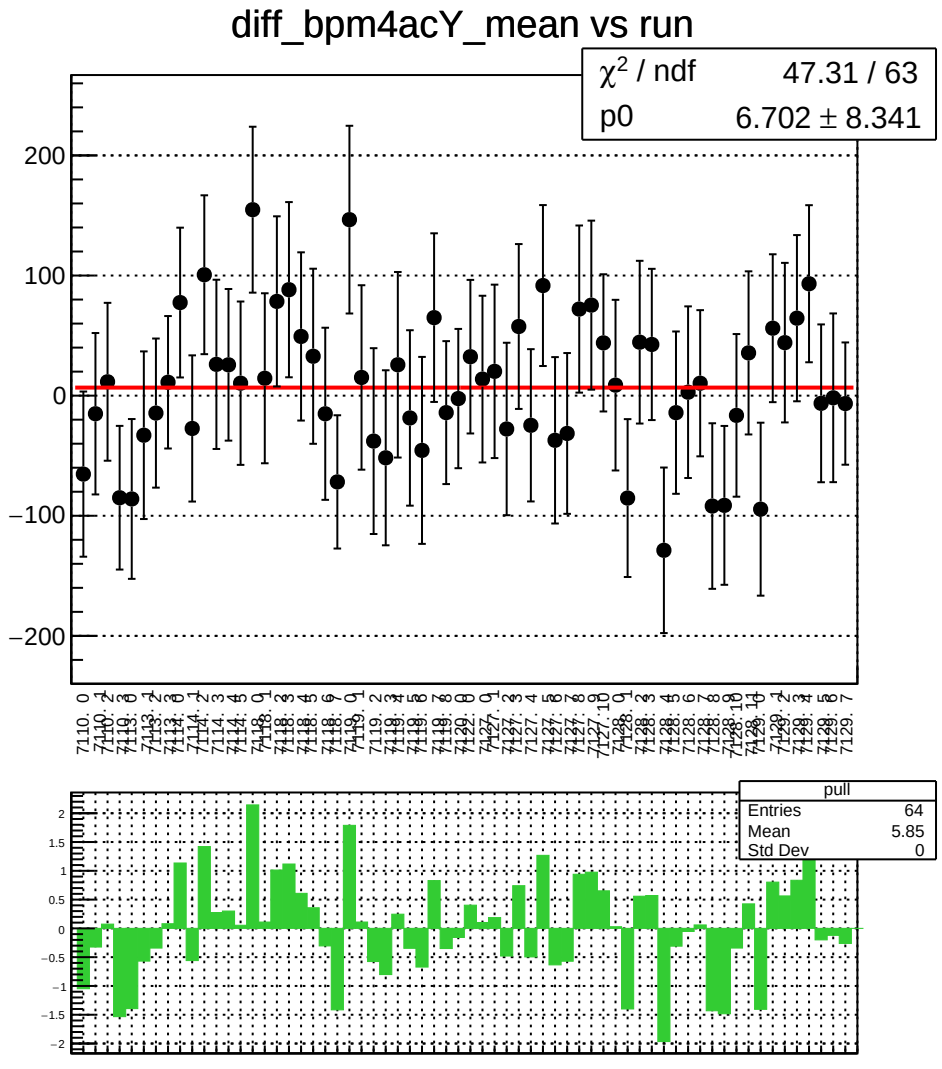

pull1D
Entries 64
Mean 0.01038
Std Dev 0.914
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

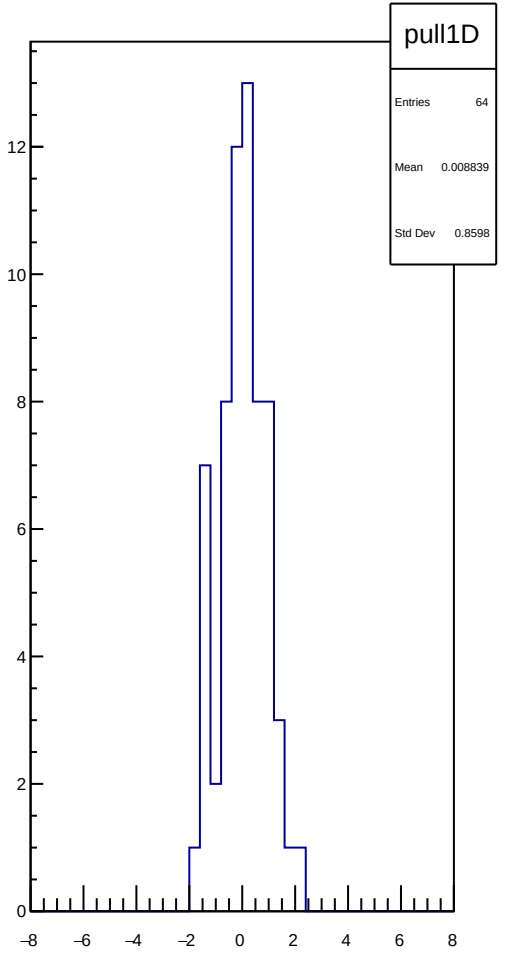

diff_bpm4eY_rms vs run
χ² / ndf 5955 / 63
p0 6487 ± 5.873
8000
7500
7000
6500
6000
5500

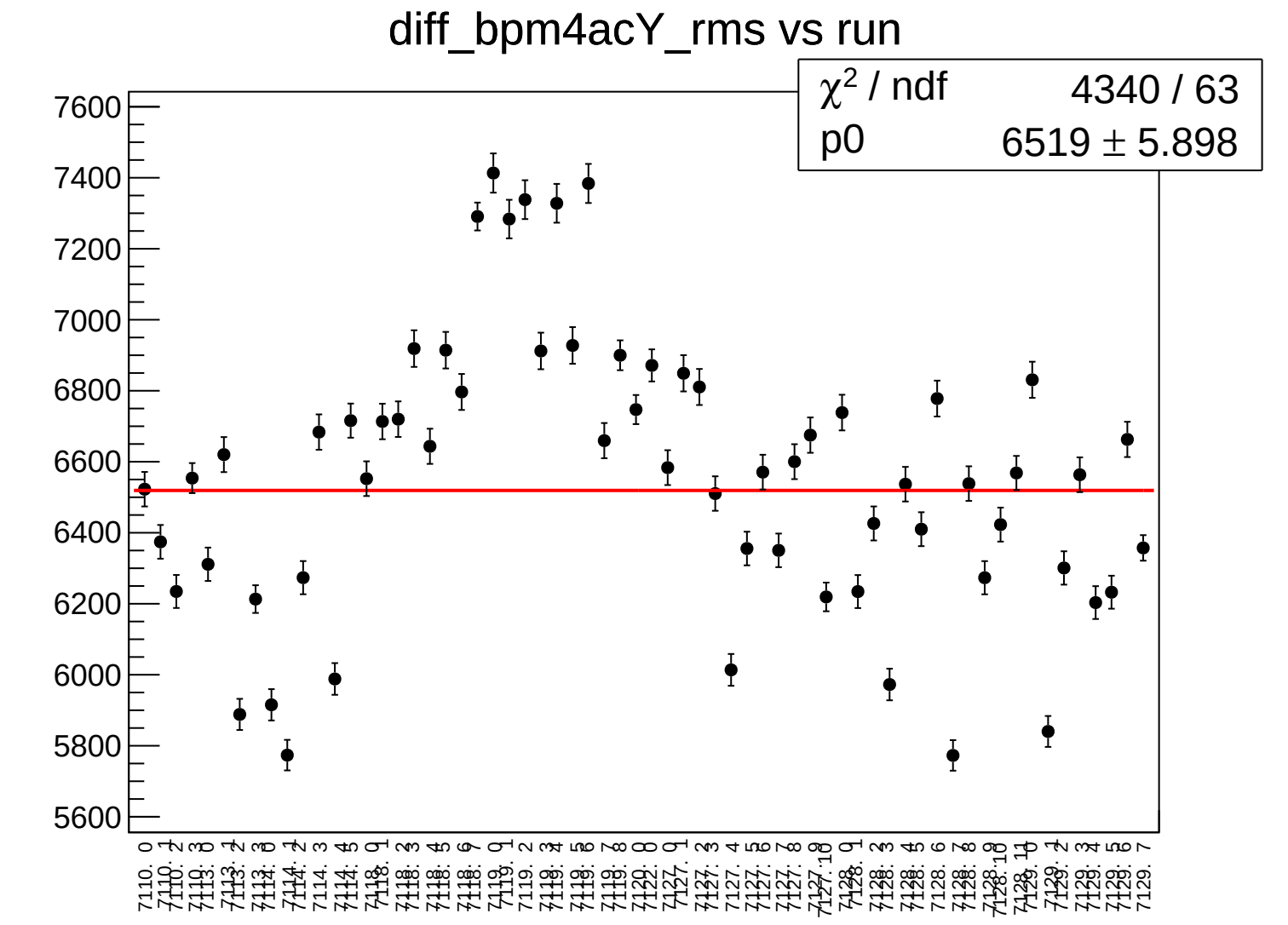

diff_bpm4acX_mean vs run
χ² / ndf 67.7 / 63
p0 −21.47 ± 11.2
pull
Entries 64
Mean −887.5
Std Dev 0

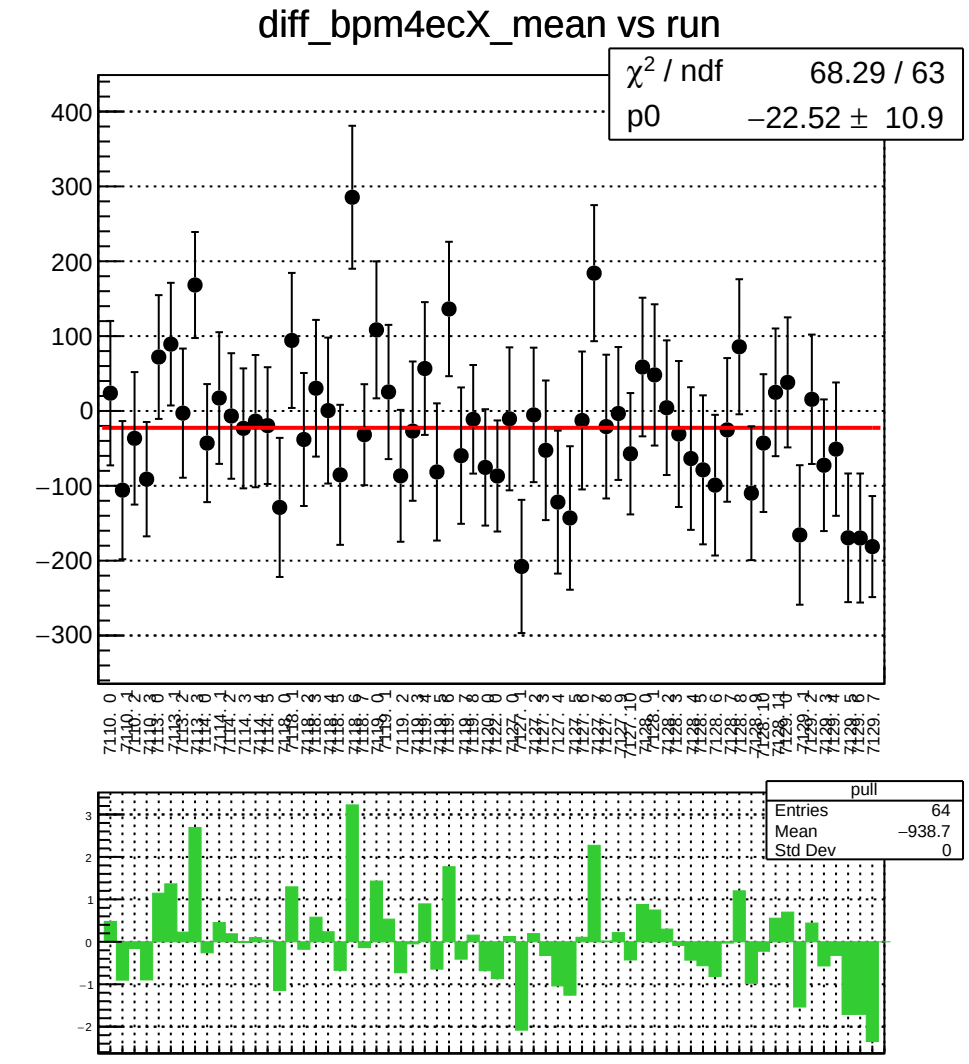

pull1D
Entries 64
Mean 0.006548
Std Dev 1.028

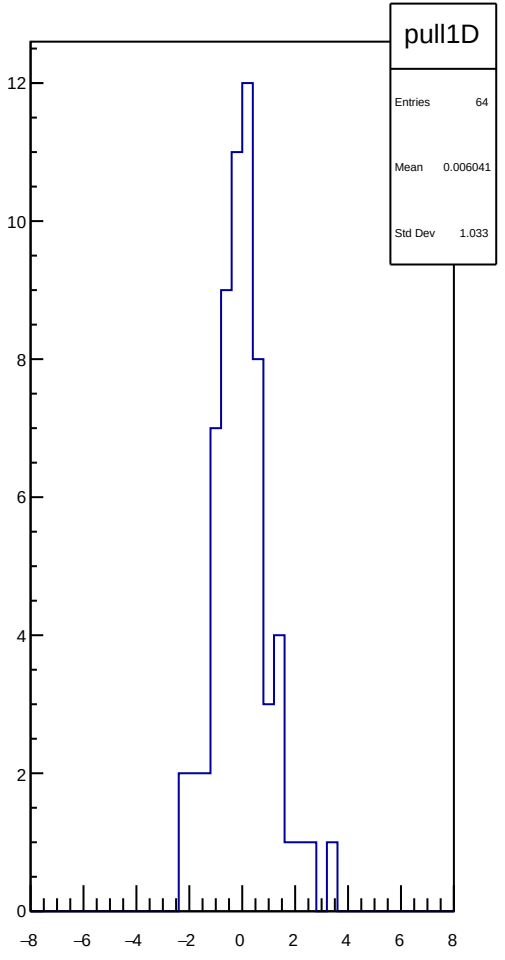

diff_bpm4acX_rms vs run
χ² / ndf 2984 / 63
p0 8756 ± 7.917
9500
9000
8500
8000
7500

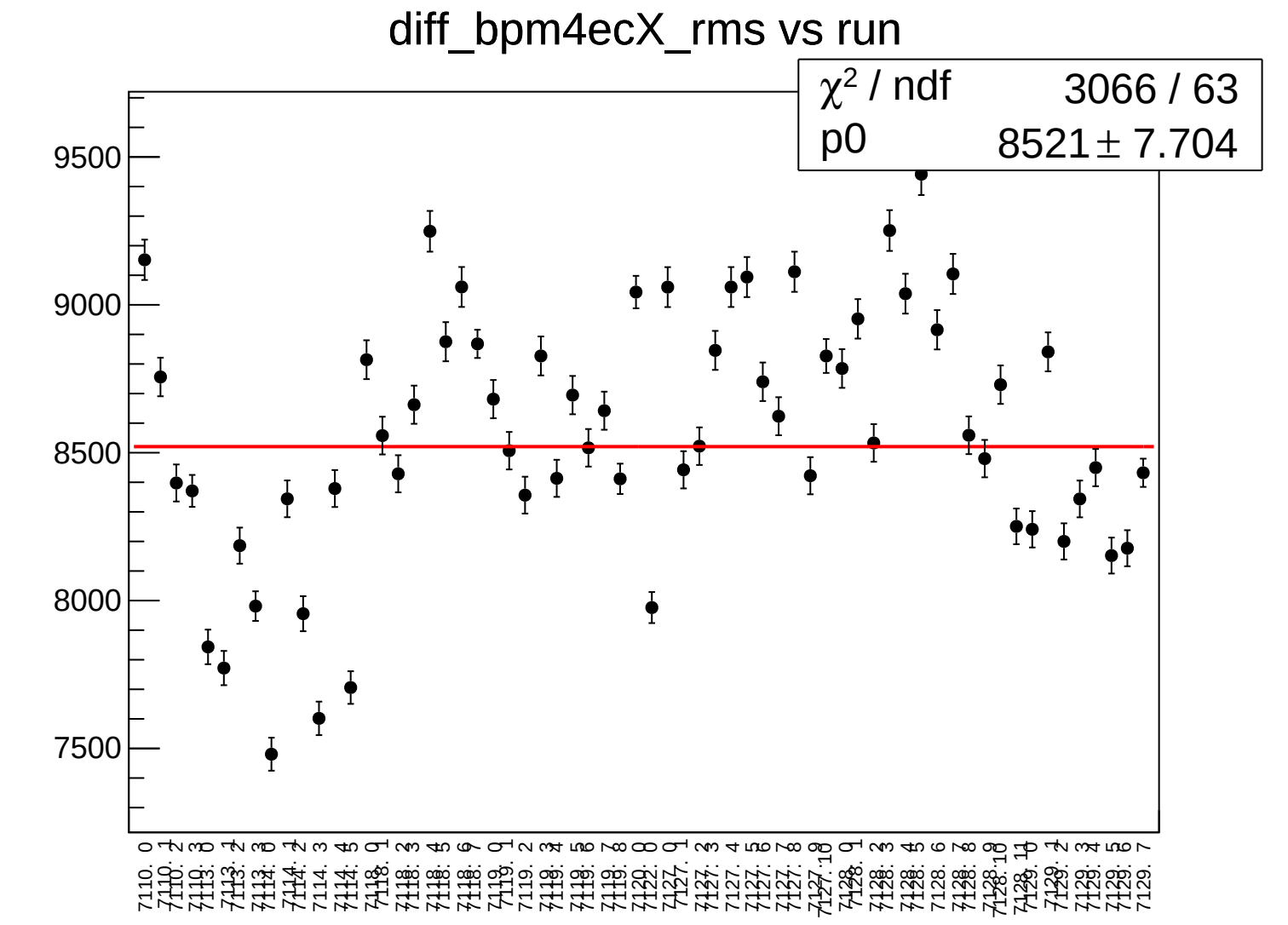

diff_bpm4acY_mean vs run
χ² / ndf 47.31 / 63
p0 6.702 ± 8.341
200
100
0
−100
−200
pull
Entries 64
Mean 5.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

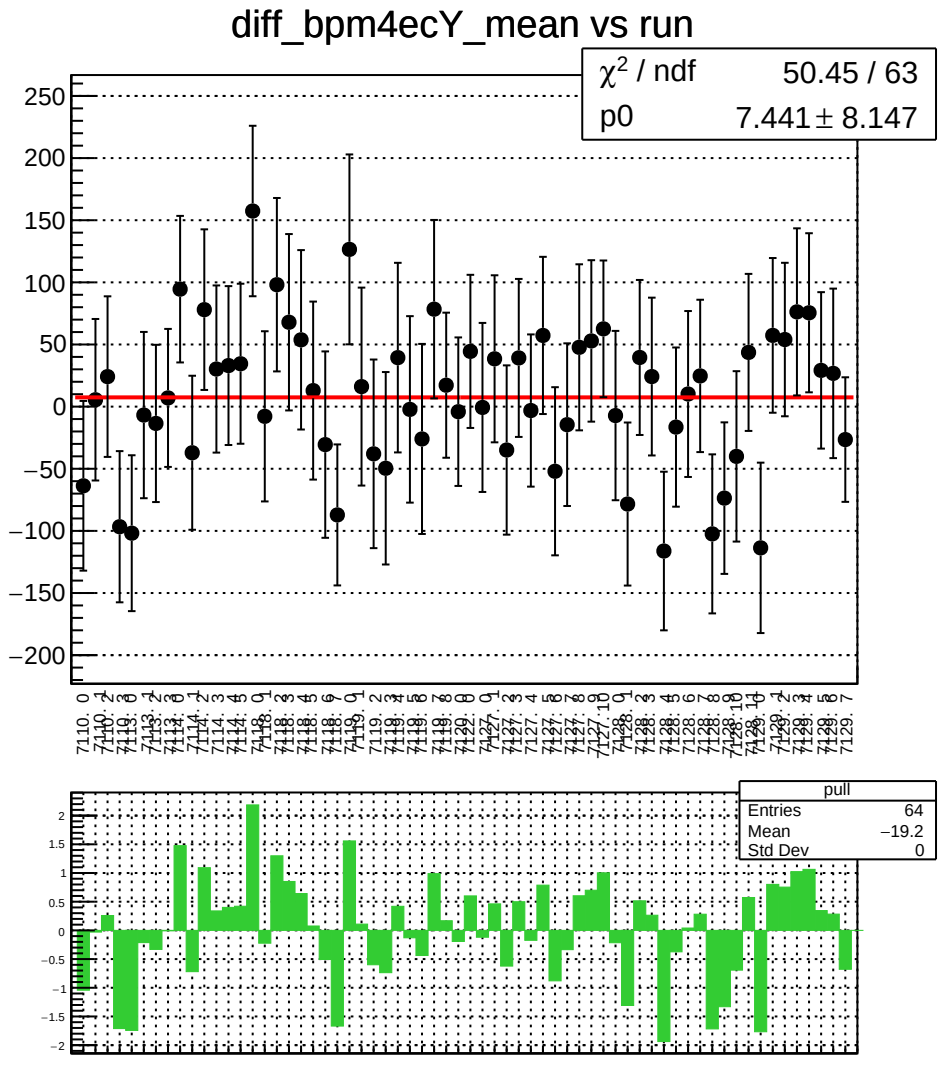

pull1D
Entries 64
Mean 0.008839
Std Dev 0.8598
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

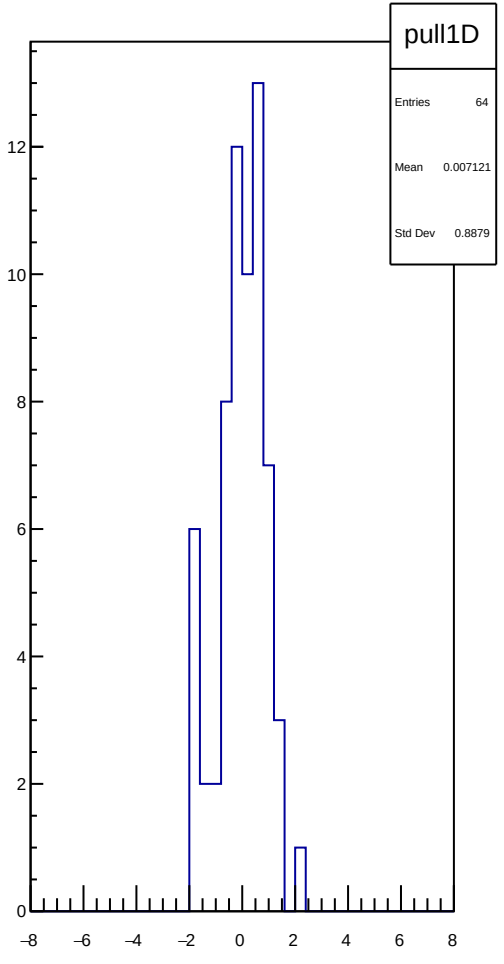

diff_bpm4acY_rms vs run
χ² / ndf 4340 / 63
p0 6519 ± 5.898
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

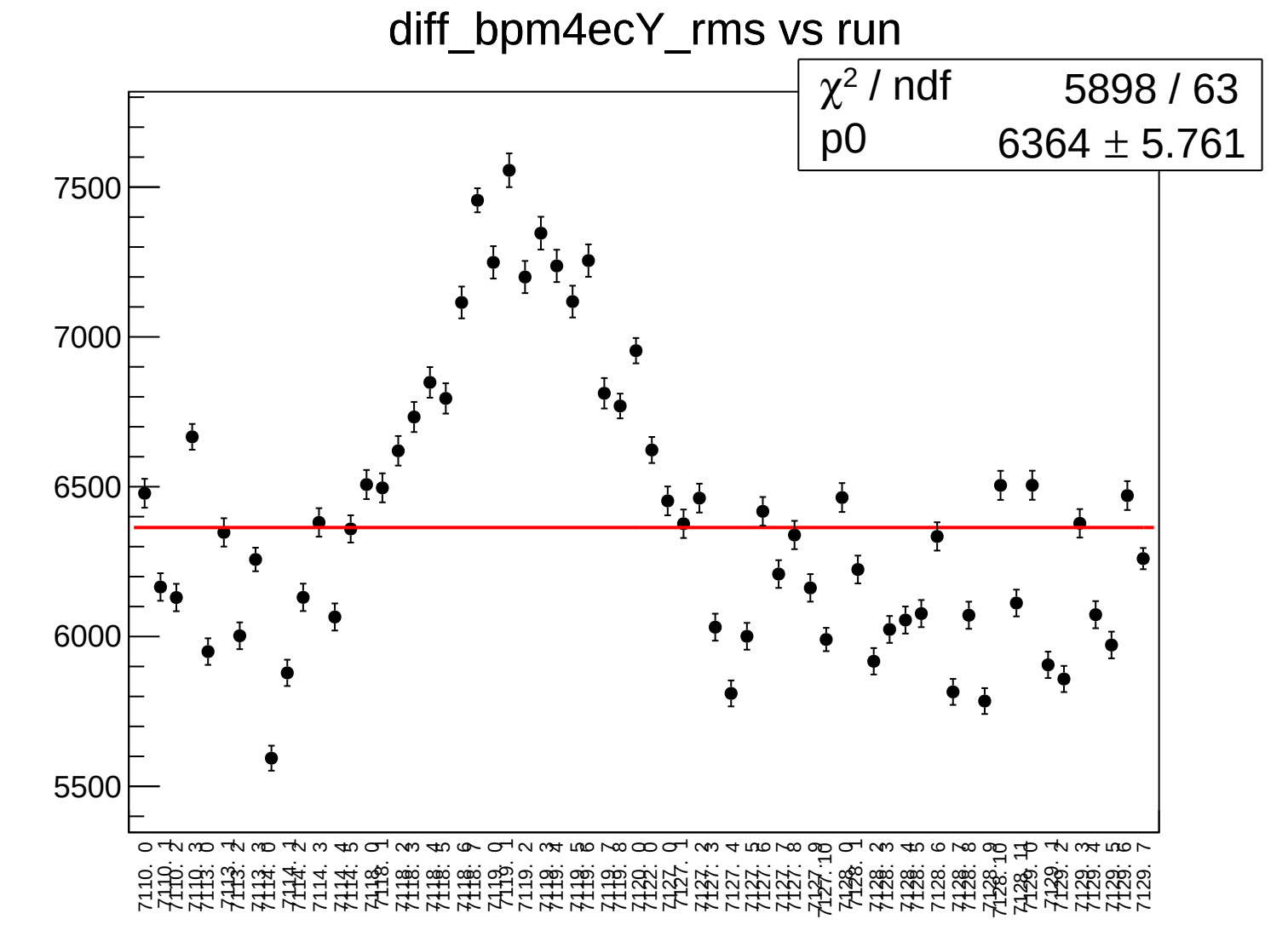

diff_bpm4ecX_mean vs run
χ² / ndf 68.29 / 63
p0 −22.52 ± 10.9
pull
Entries 64
Mean −938.7
Std Dev 0

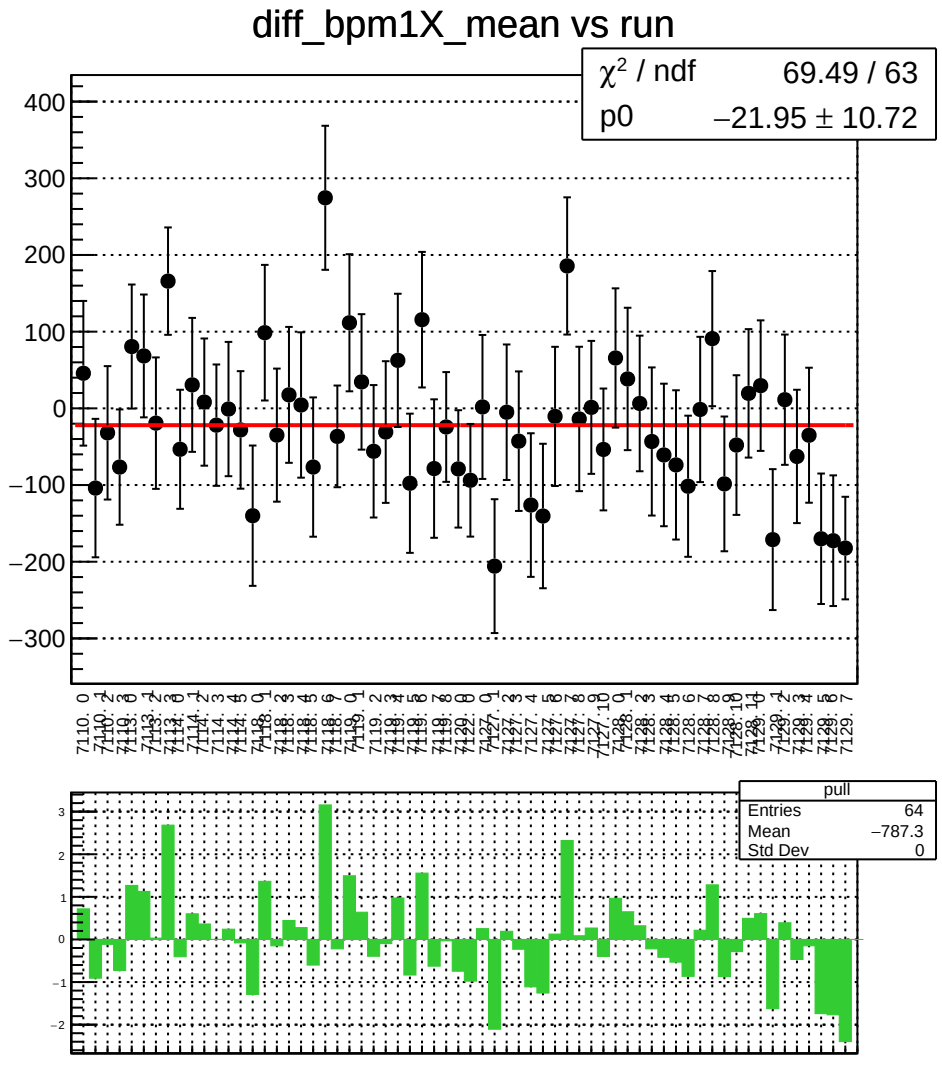

pull1D
Entries 64
Mean 0.006041
Std Dev 1.033

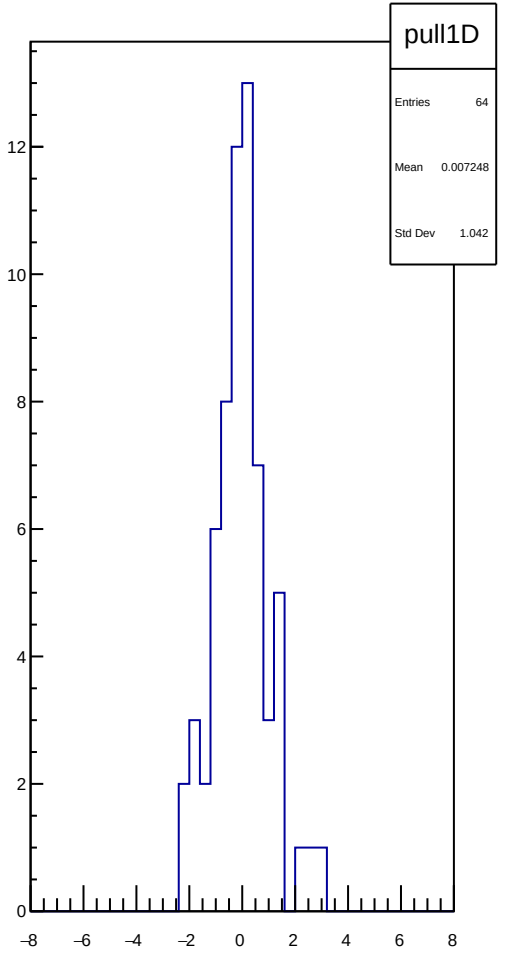

diff_bpm4ecX_rms vs run
χ² / ndf 3066 / 63
p0 8521 ± 7.704
9500
9000
8500
8000
7500

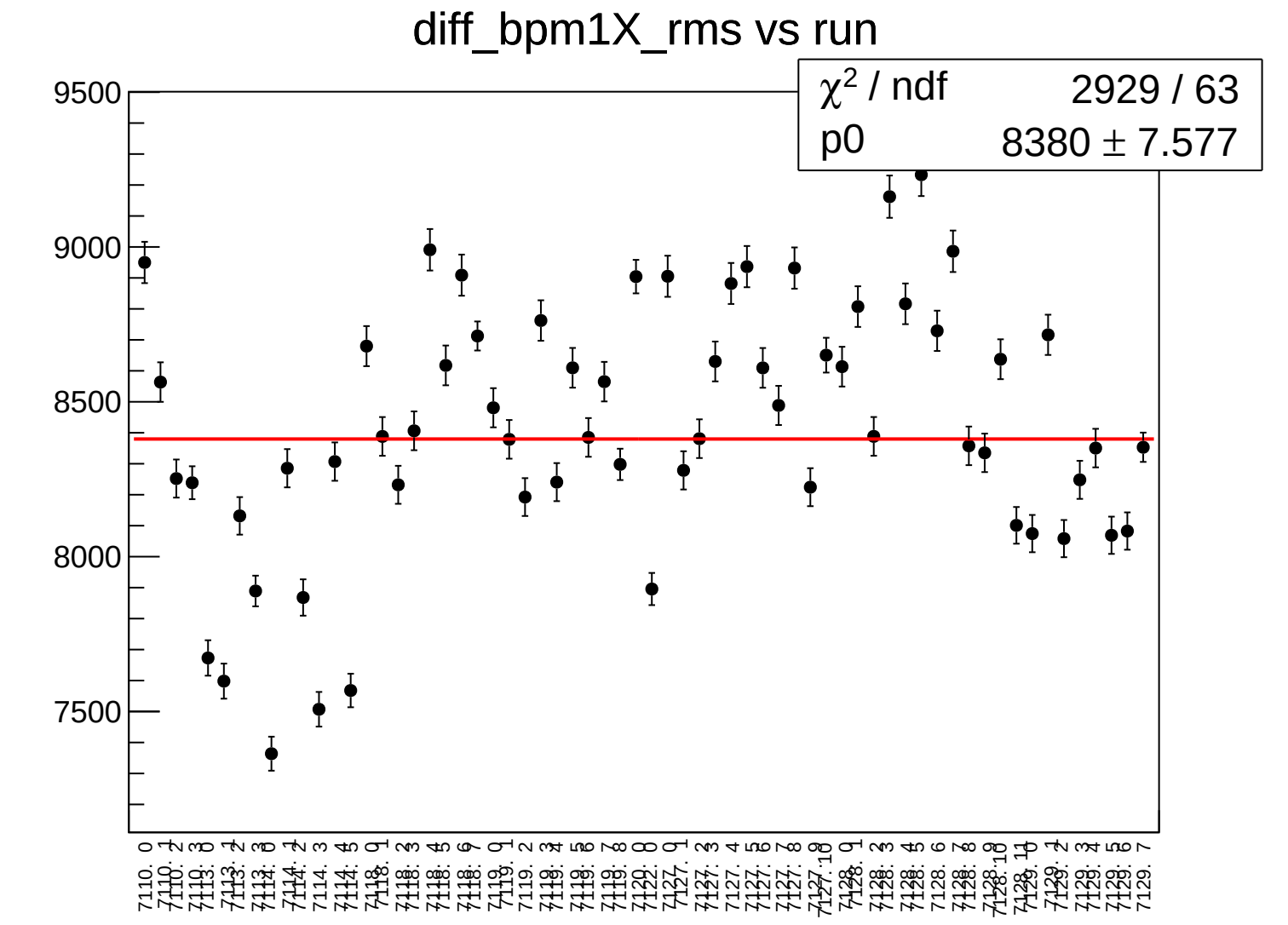

diff_bpm4ecY_mean vs run
χ² / ndf 50.45 / 63
p0 7.441 ± 8.147
pull
Entries 64
Mean −19.2
Std Dev 0

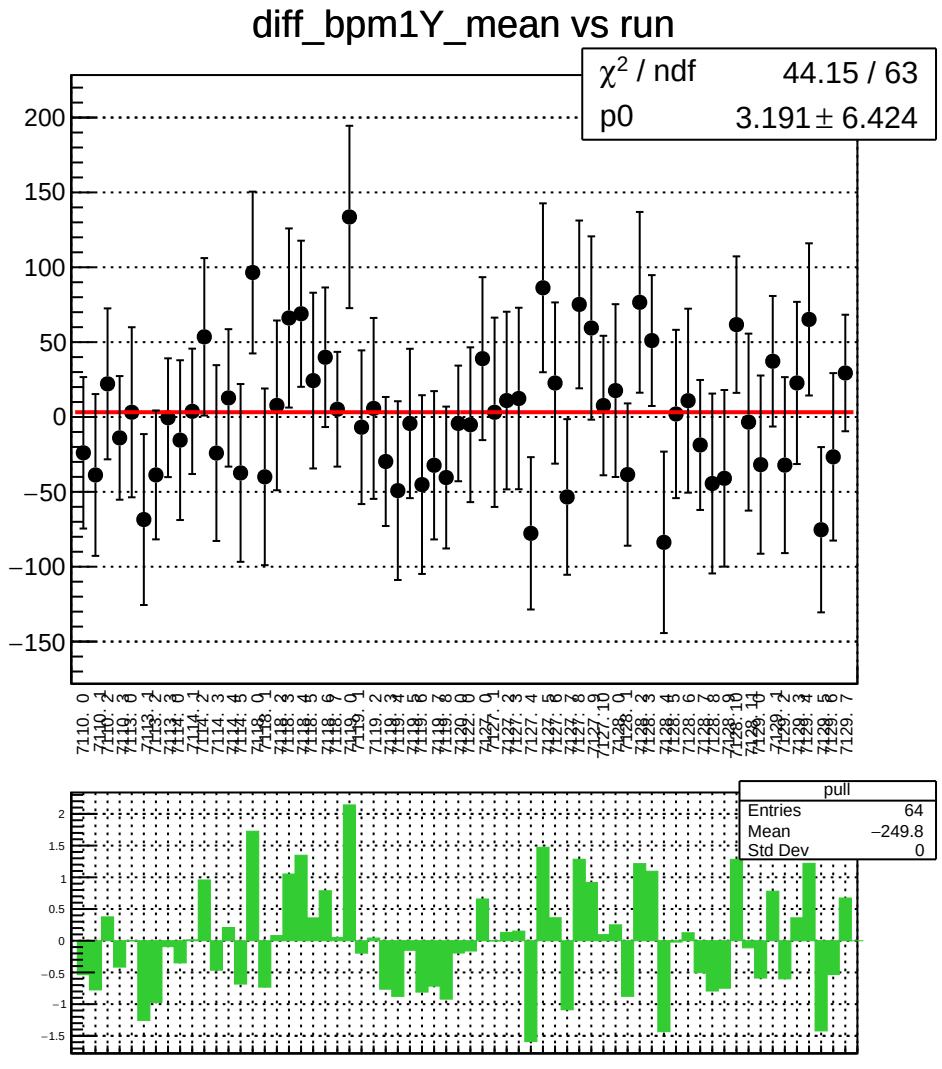

pull1D
Entries 64
Mean 0.007121
Std Dev 0.8879

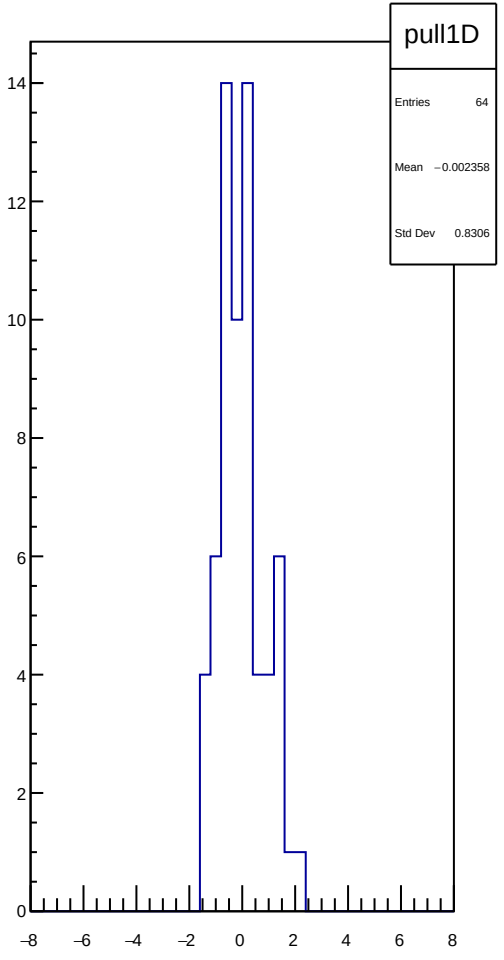

diff_bpm4ecY_rms vs run
χ² / ndf 5898 / 63
p0 6364 ± 5.761
7500
7000
6500
6000
5500

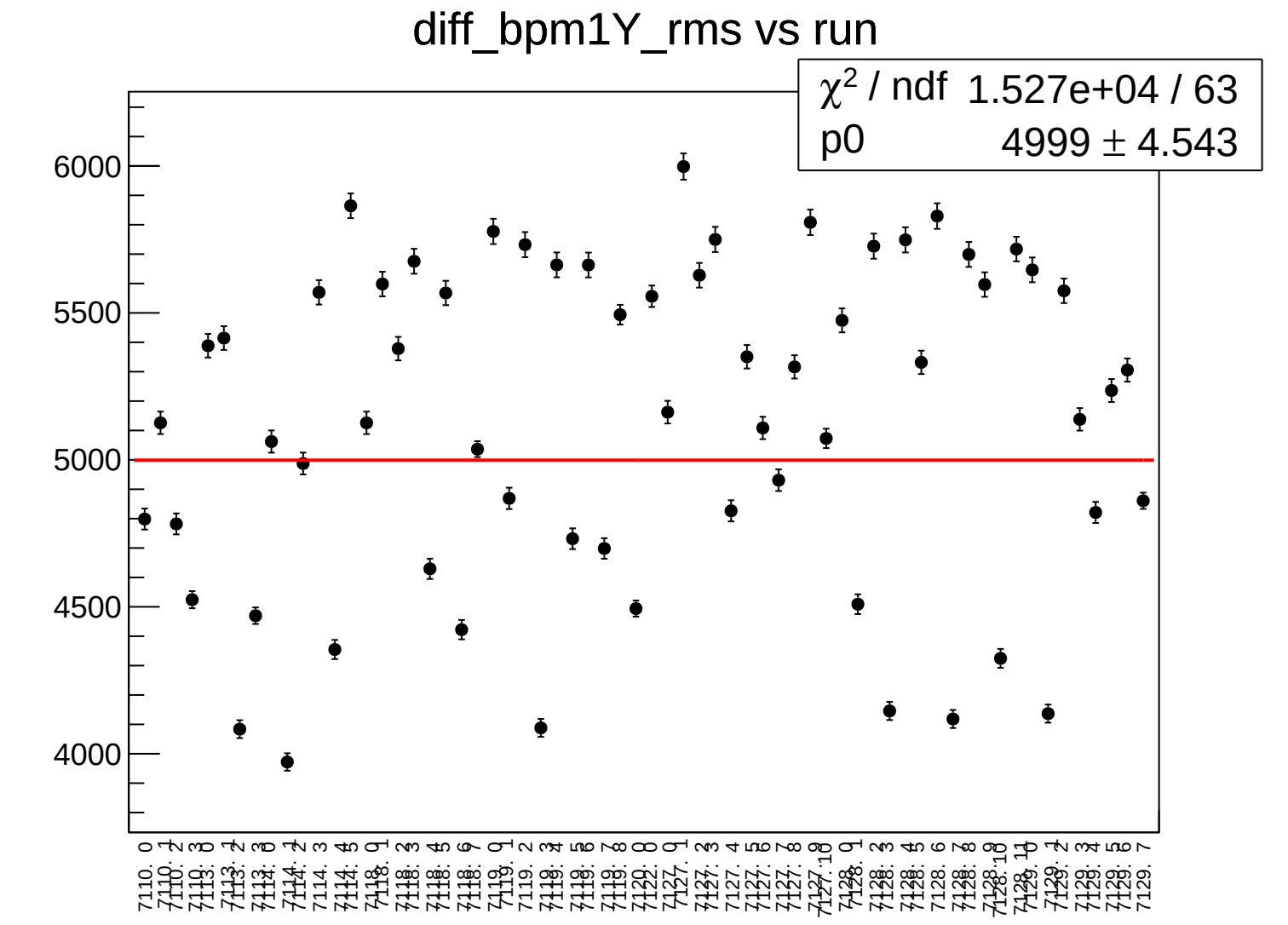

diff_bpm1X_mean vs run
χ² / ndf 69.49 / 63
p0 −21.95 ± 10.72
pull
Entries 64
Mean −787.3
Std Dev 0

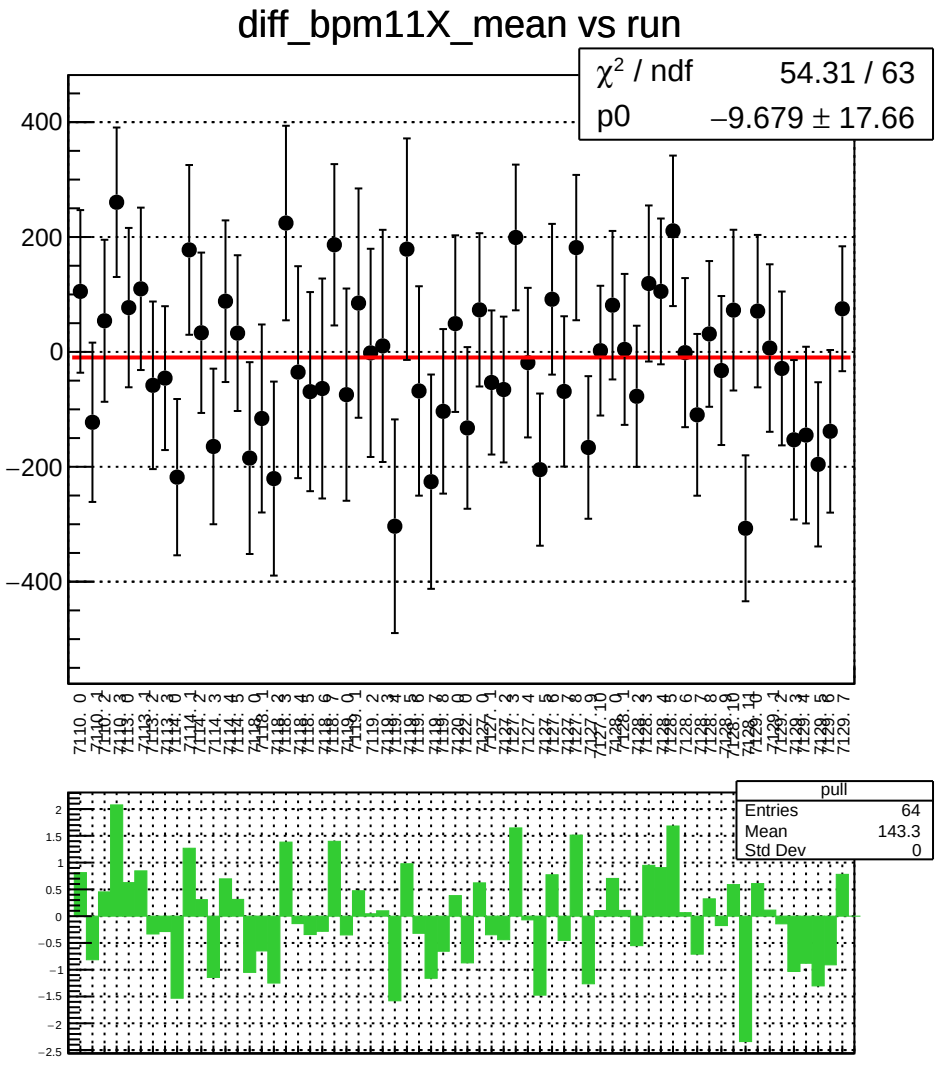

pull1D
Entries 64
Mean 0.007248
Std Dev 1.042

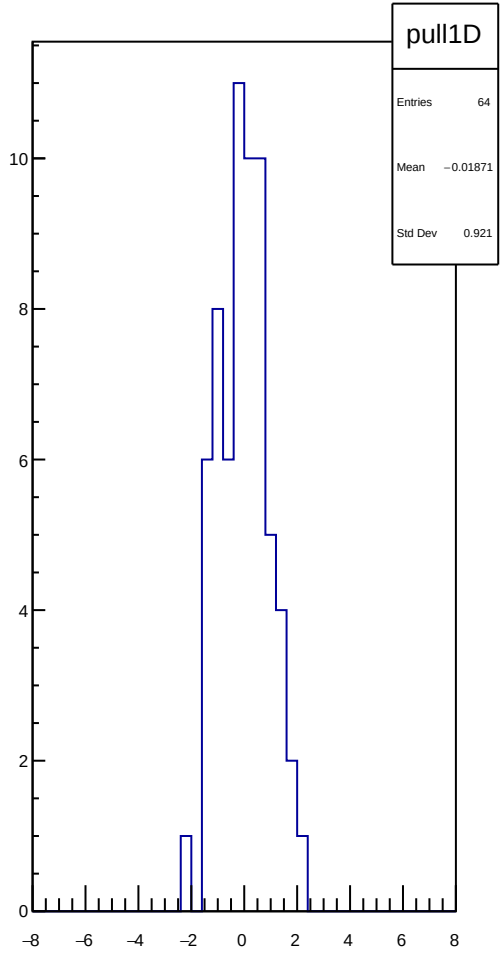

diff_bpm1X_rms vs run
χ² / ndf 2929 / 63
p0 8380 ± 7.577
9500
9000
8500
8000
7500

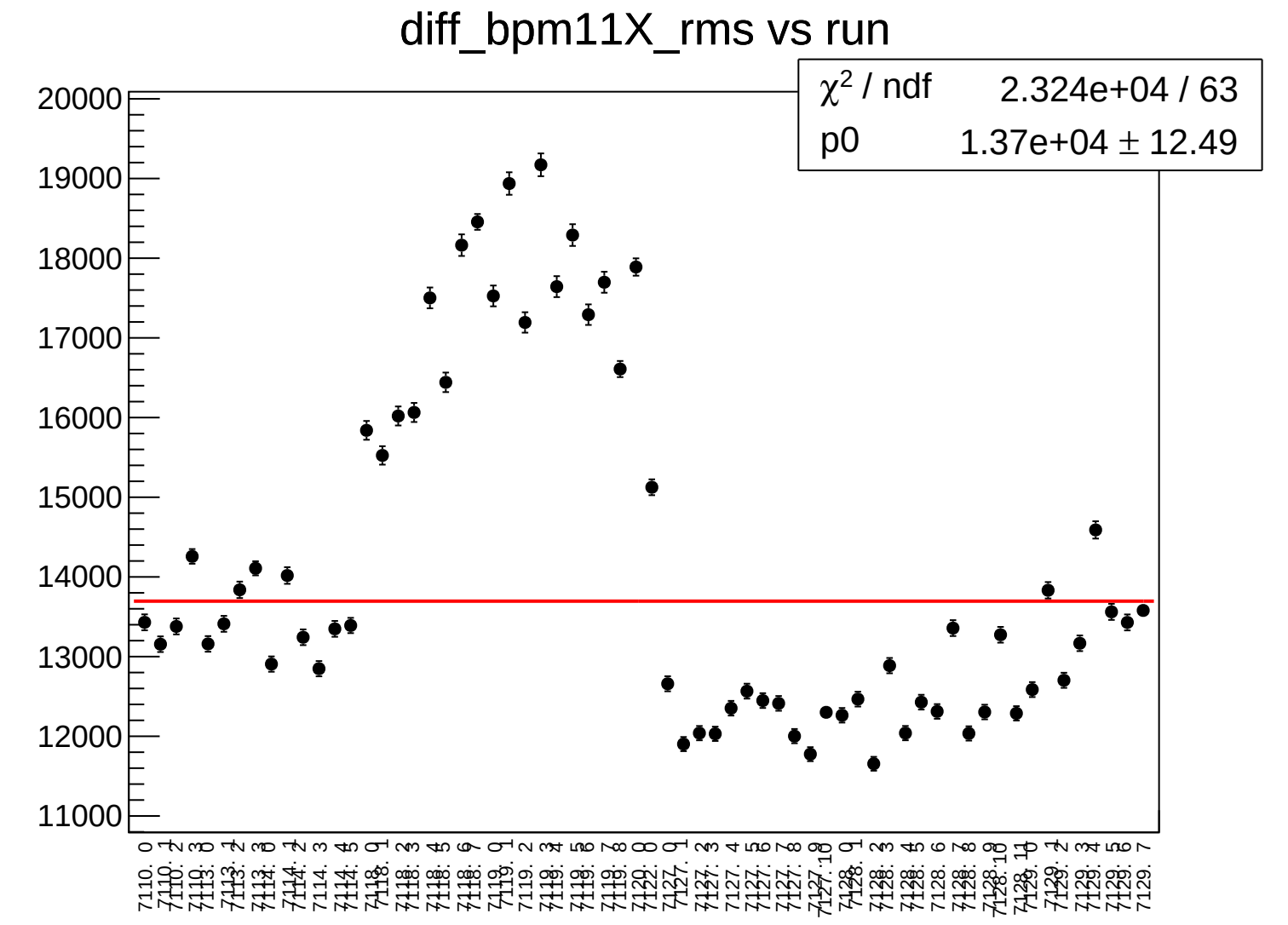

diff_bpm1Y_mean vs run
χ² / ndf 44.15 / 63
p0 3.191 ± 6.424
pull
Entries 64
Mean −249.8
Std Dev 0

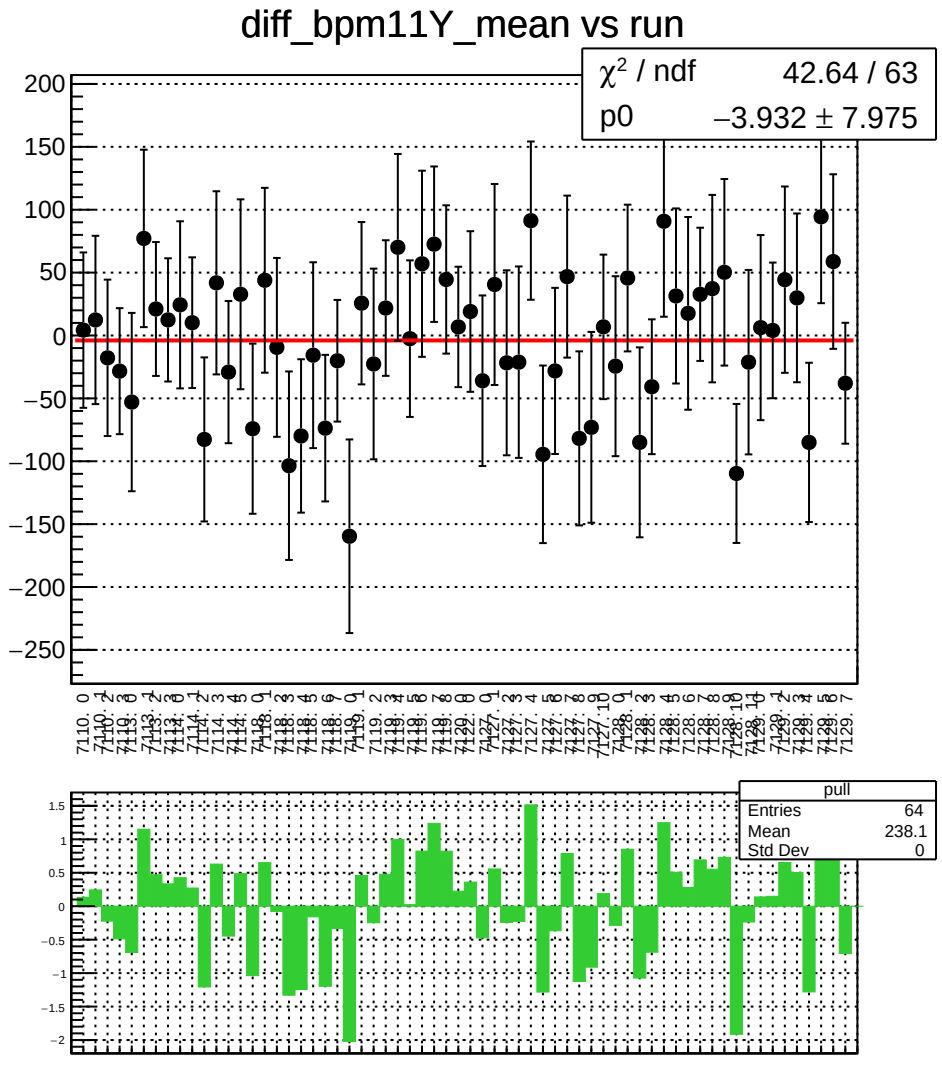

pull1D
Entries 64
Mean −0.002358
Std Dev 0.8306

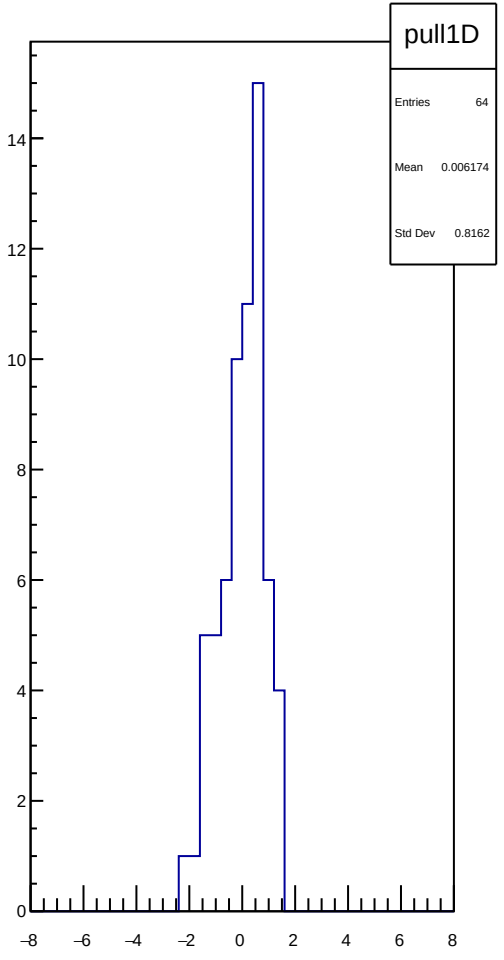

diff_bpm1Y_rms vs run
χ² / ndf 1.527e+04 / 63
p0 4999 ± 4.543
6000
5500
5000
4500
4000

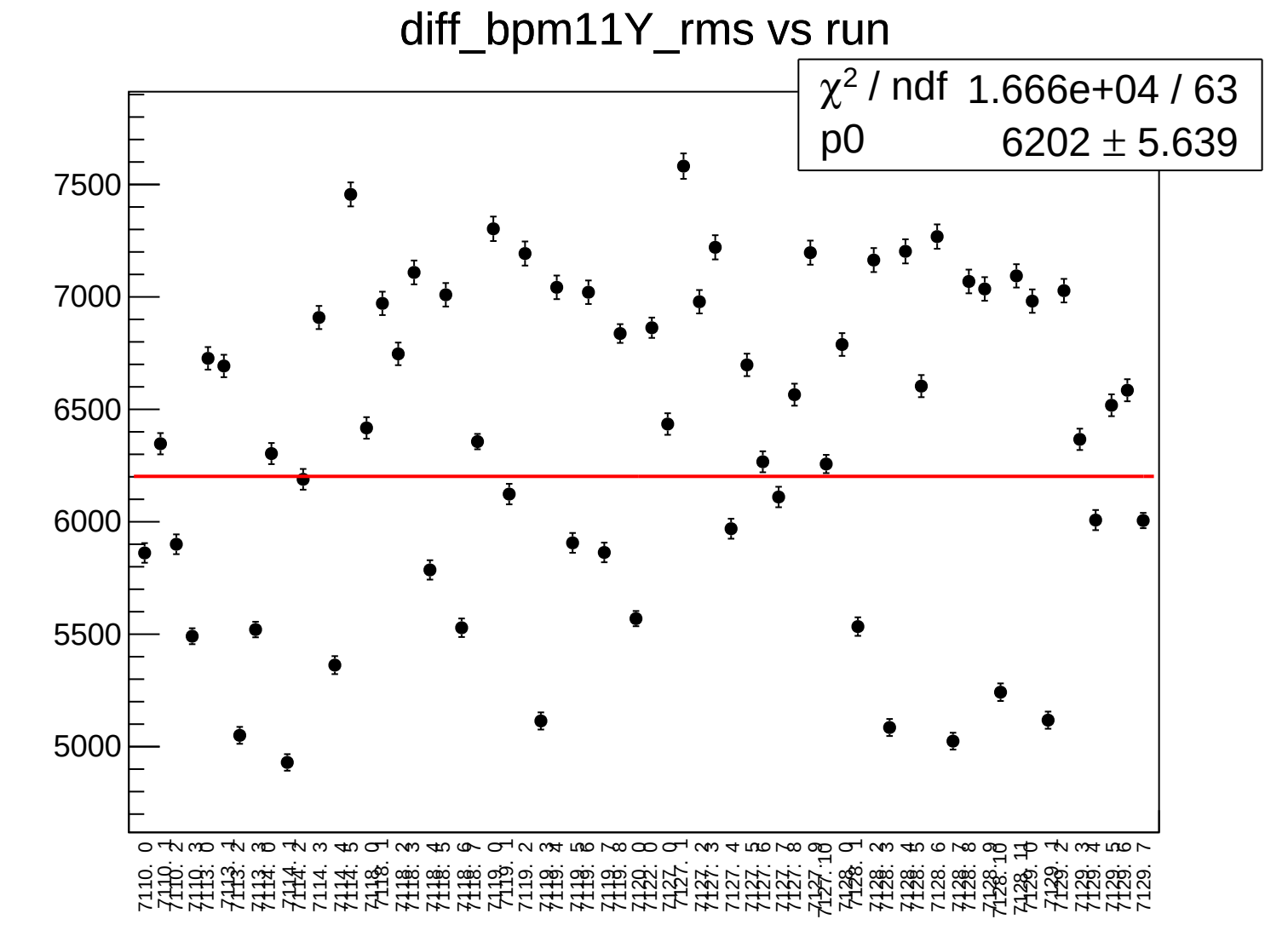

diff_bpm11X_mean vs run
χ² / ndf 54.31 / 63
p0 −9.679 ± 17.66
400
200
0
−200
−400
pull
Entries 64
Mean 143.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

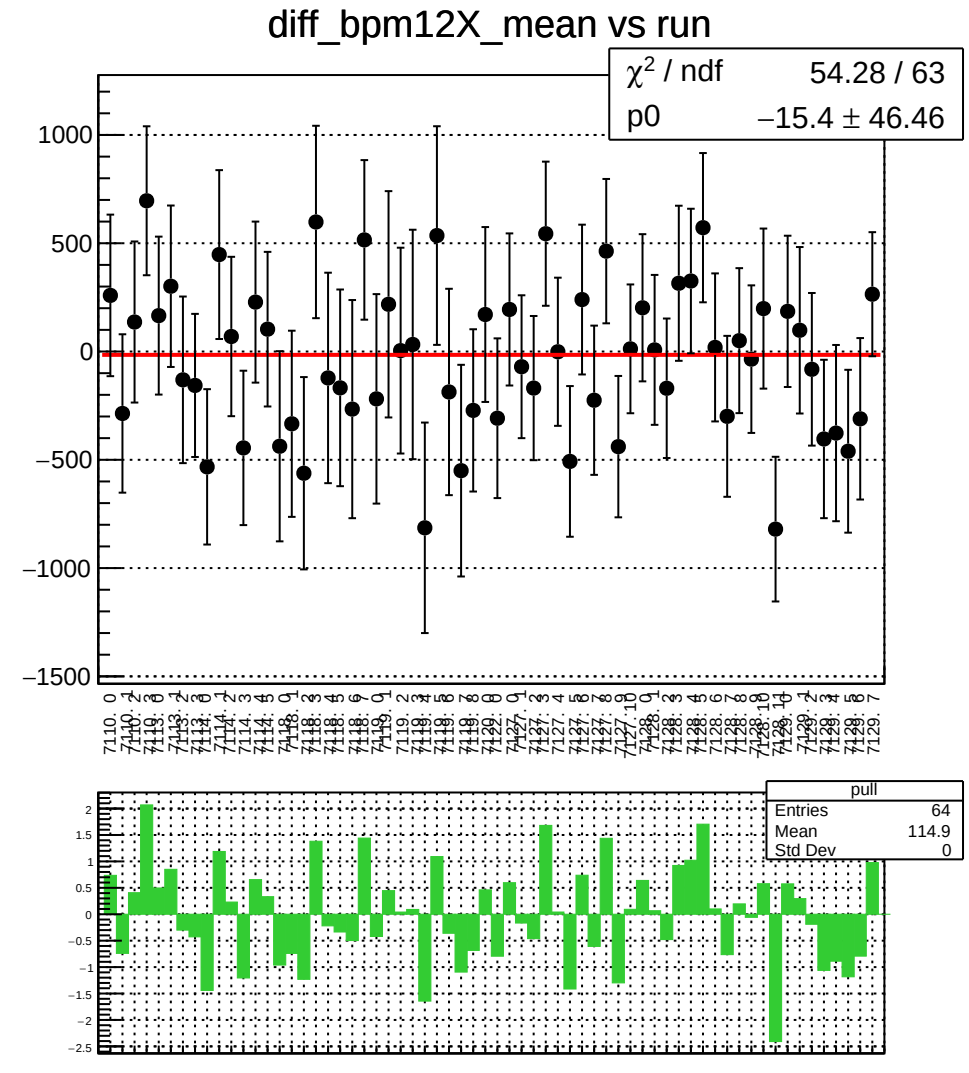

pull1D
Entries 64
Mean −0.01871
Std Dev 0.921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

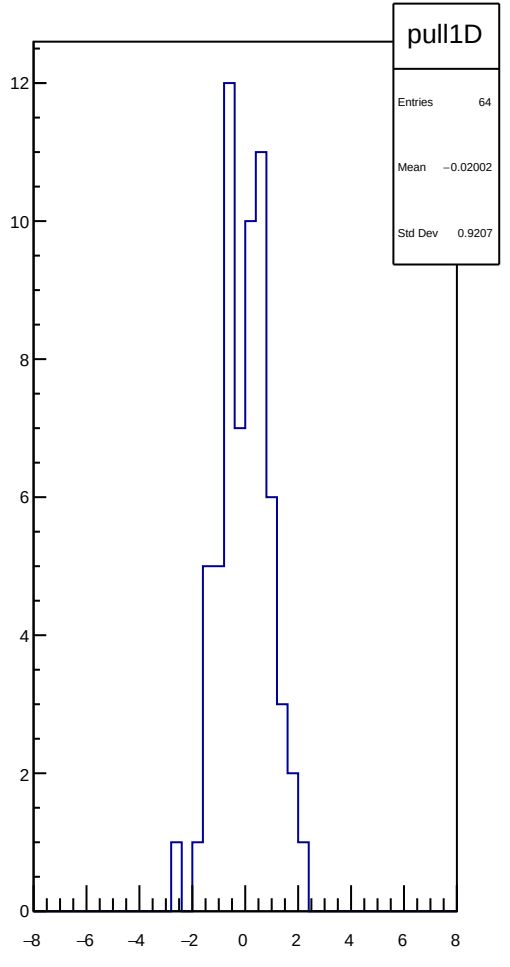

diff_bpm11X_rms vs run
χ^2 / ndf 2.324e+04 / 63
p0 1.37e+04 ± 12.49
20000
19000
18000
17000
16000
15000
14000
13000
12000
11000

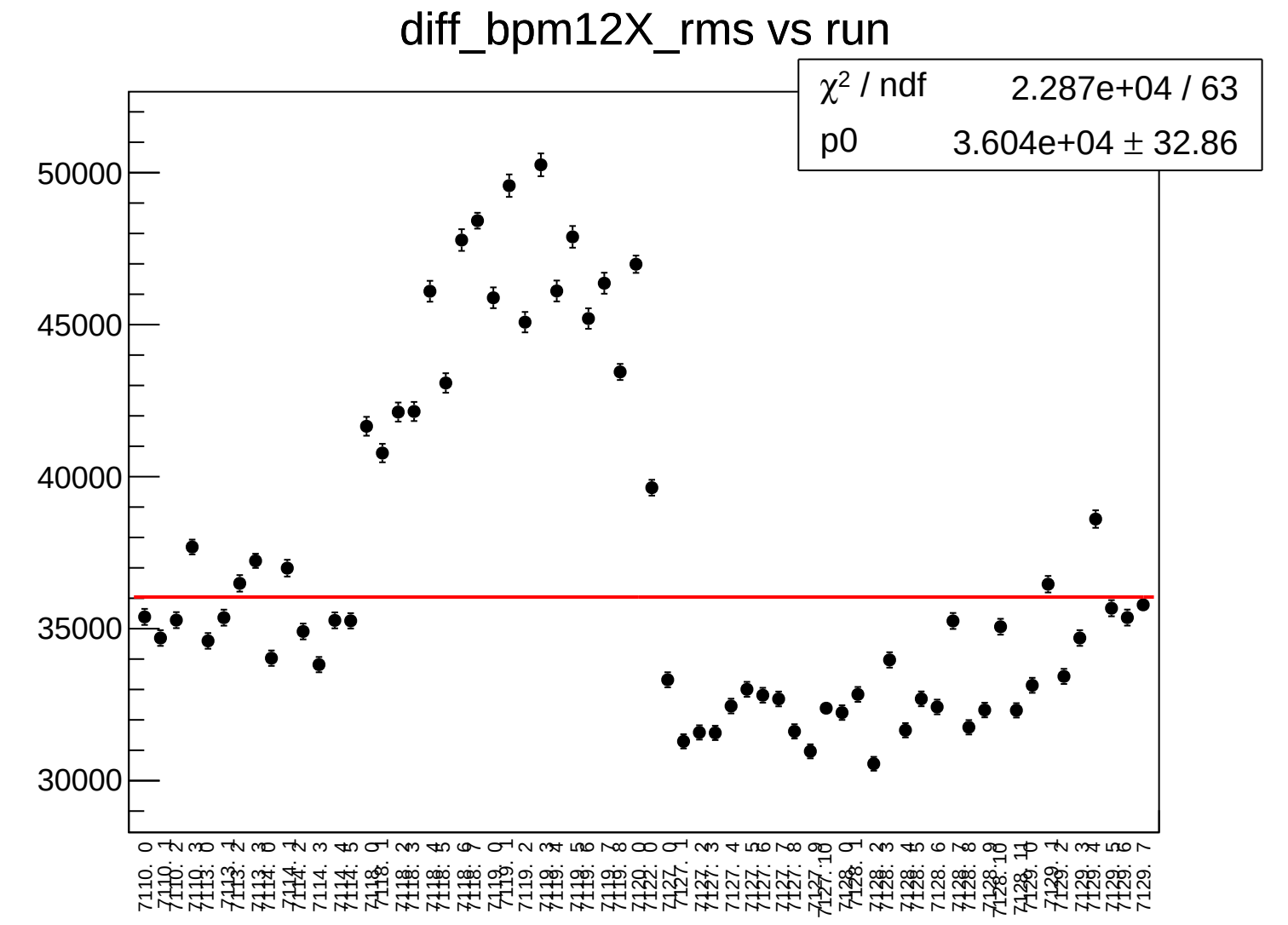

diff_bpm11Y_mean vs run
χ² / ndf 42.64 / 63
p0 −3.932 ± 7.975
pull
Entries 64
Mean 238.1
Std Dev 0

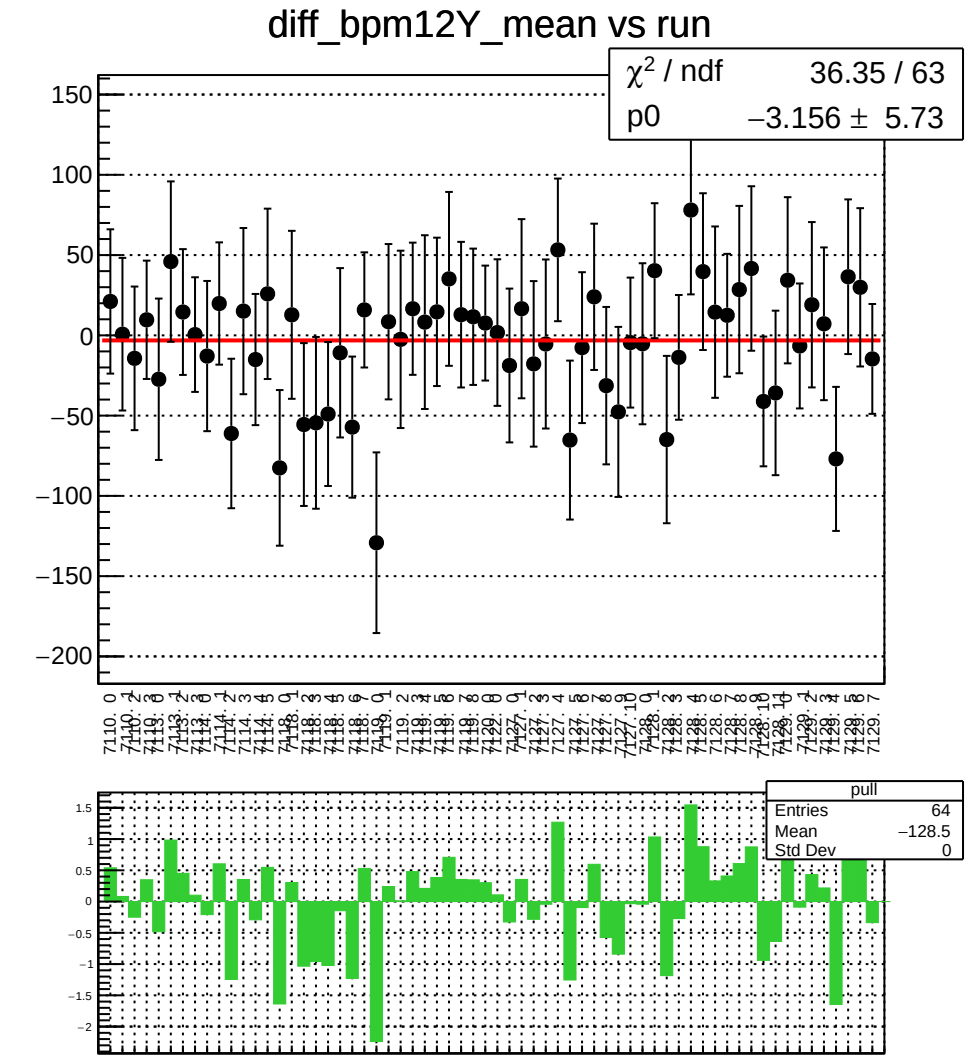

pull1D
Entries 64
Mean 0.006174
Std Dev 0.8162

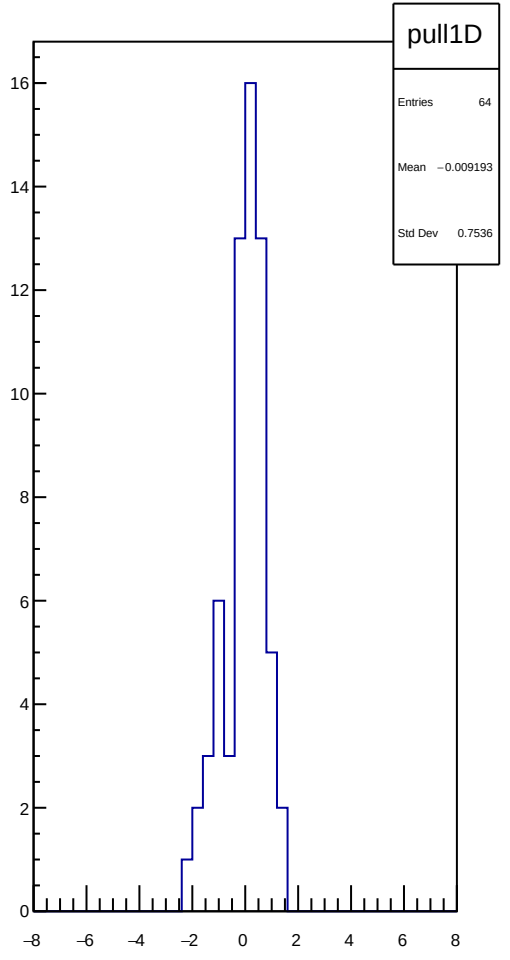

diff_bpm11Y_rms vs run
χ² / ndf 1.666e+04 / 63
p0 6202 ± 5.639
7500
7000
6500
6000
5500
5000

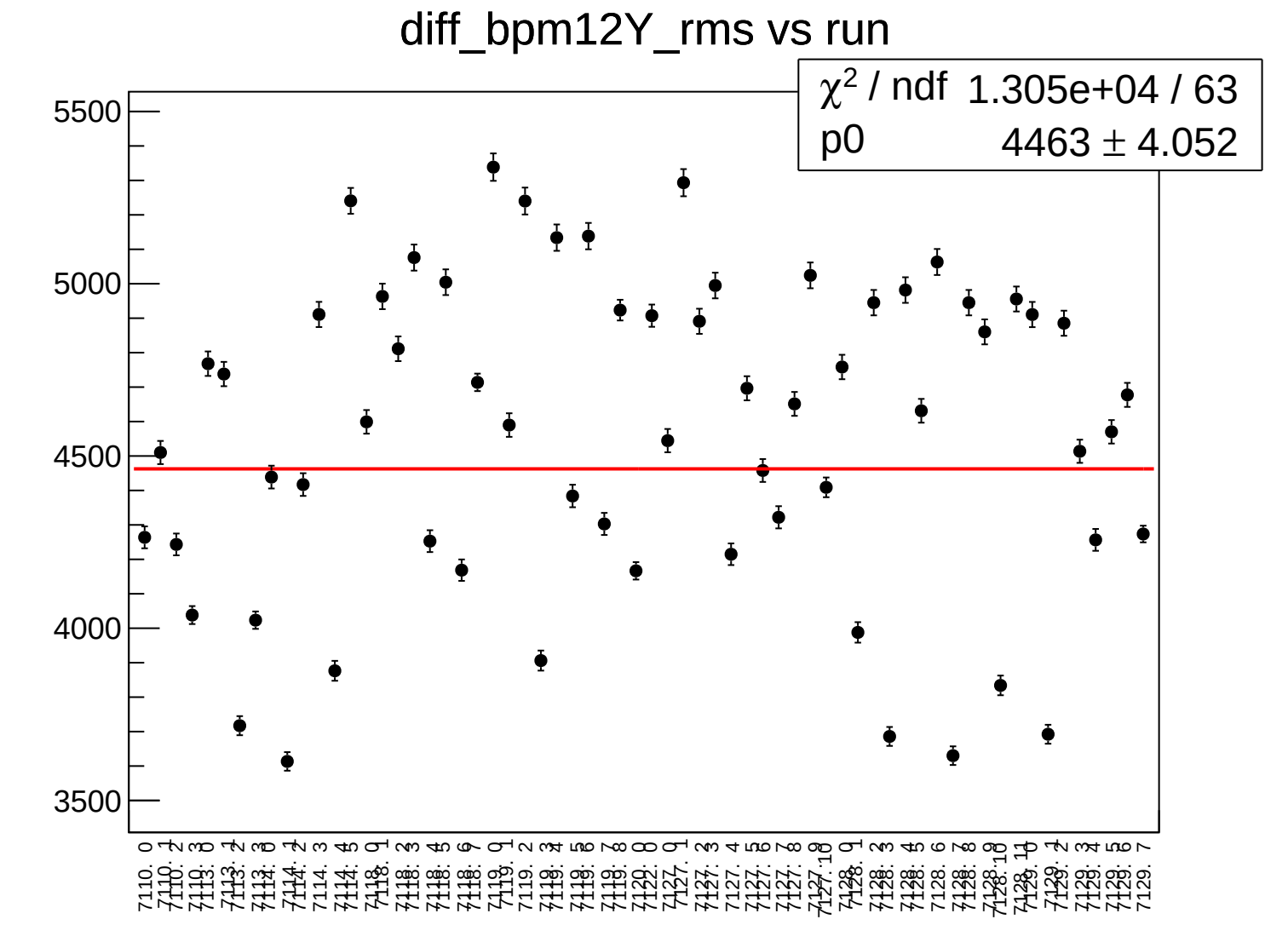

diff_bpm12X_mean vs run
χ² / ndf 54.28 / 63
p0 −15.4 ± 46.46
1000
500
0
−500
−1000
−1500
pull
Entries 64
Mean 114.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

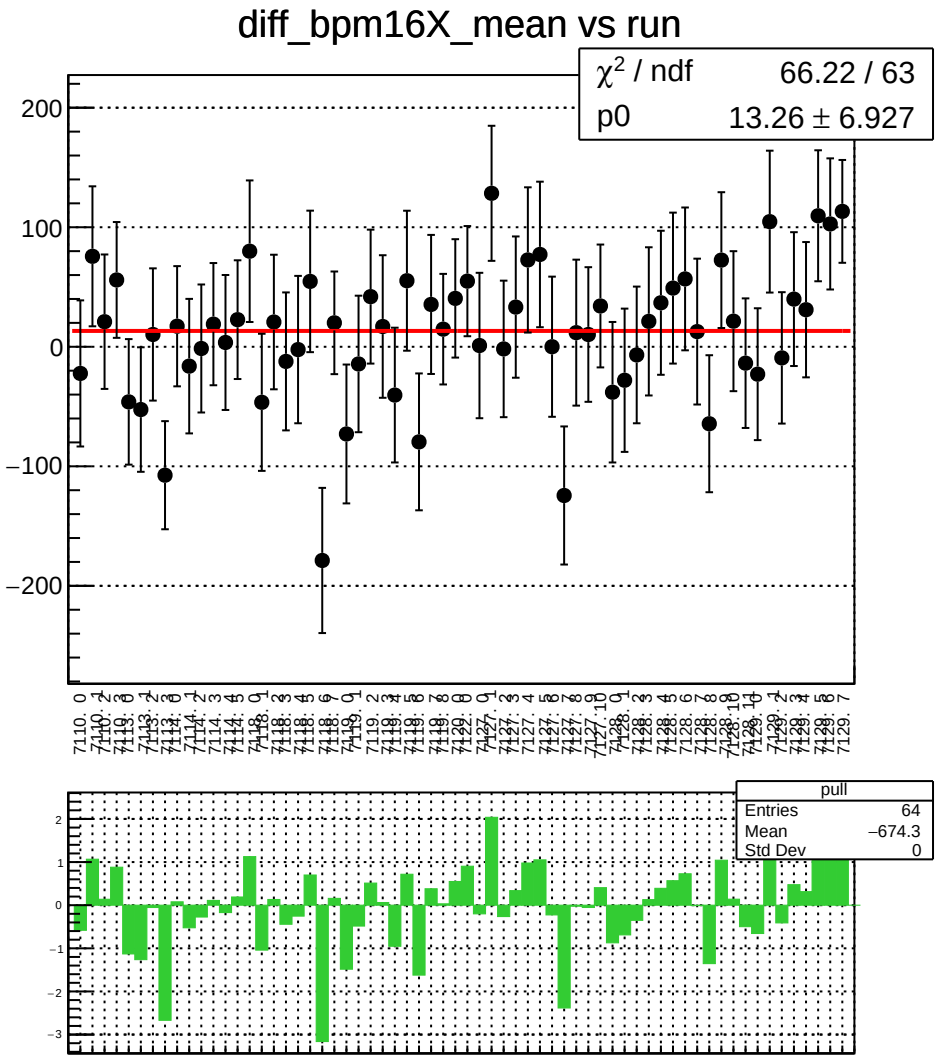

pull1D
Entries 64
Mean −0.02002
Std Dev 0.9207
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

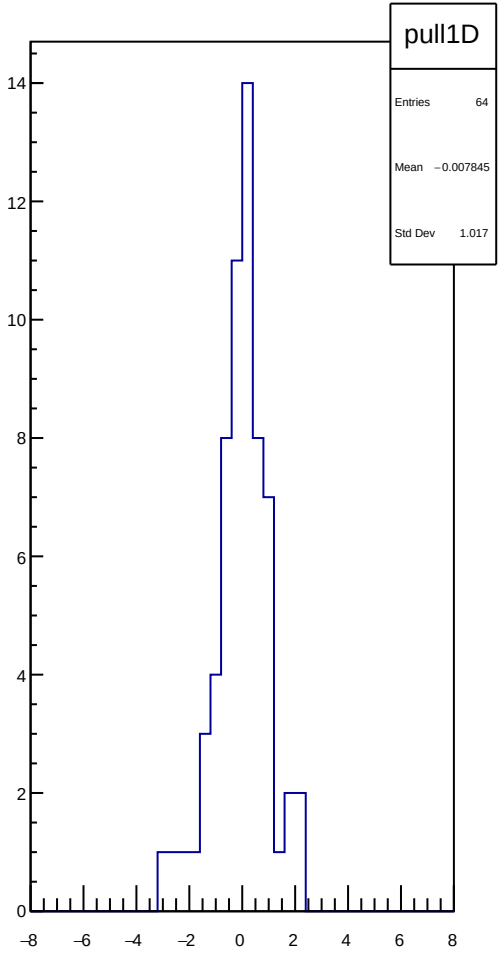

diff_bpm12X_rms vs run
χ² / ndf 2.287e+04 / 63
p0 3.604e+04 ± 32.86
50000
45000
40000
35000
30000

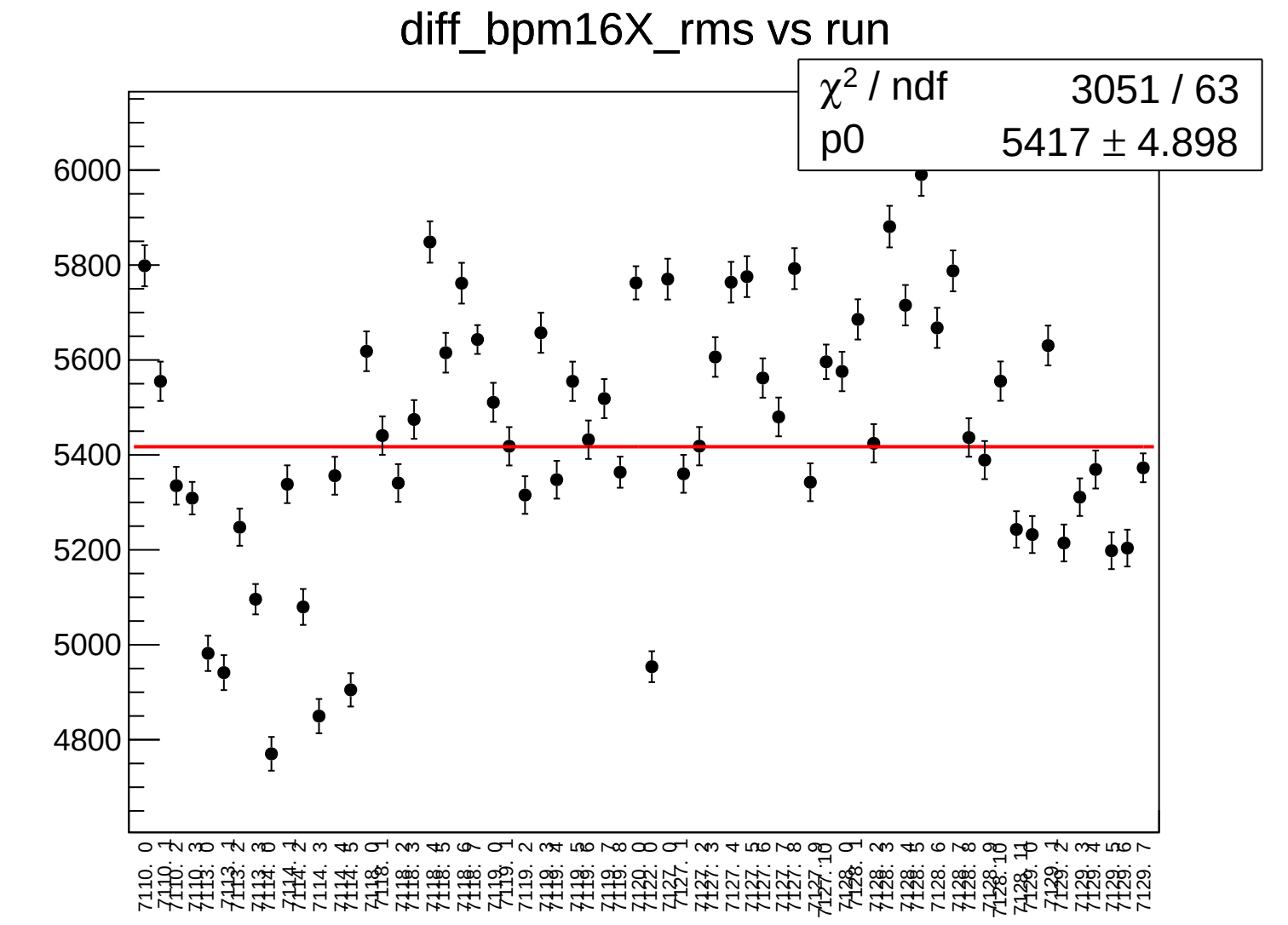

diff_bpm12Y_mean vs run
χ² / ndf 36.35 / 63
p0 −3.156 ± 5.73
pull
Entries 64
Mean −128.5
Std Dev 0

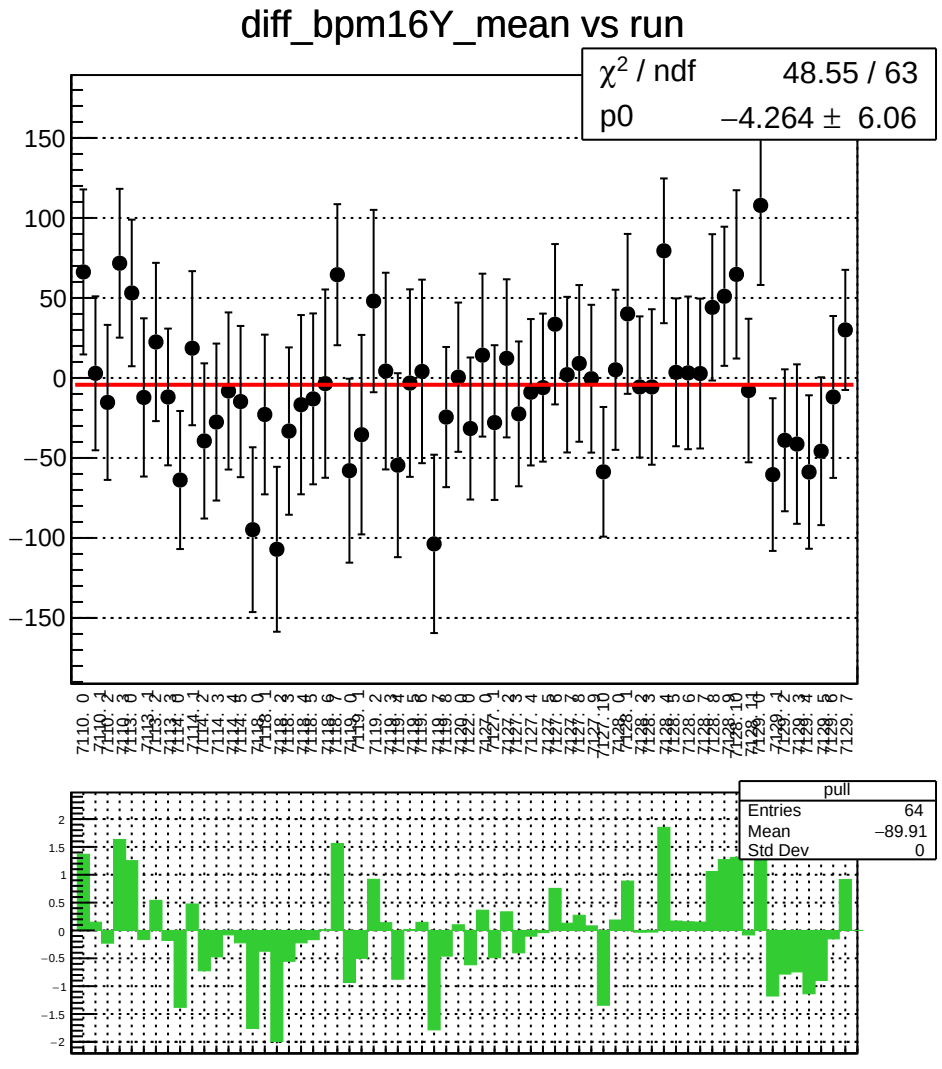

pull1D
Entries 64
Mean −0.009193
Std Dev 0.7536

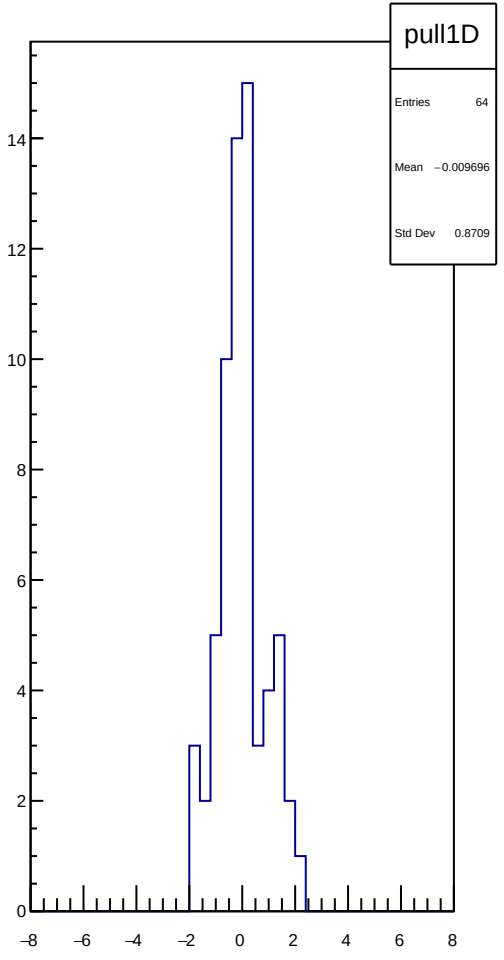

diff_bpm12Y_rms vs run
χ^2 / ndf 1.305e+04 / 63
p0 4463 ± 4.052
5500
5000
4500
4000
3500

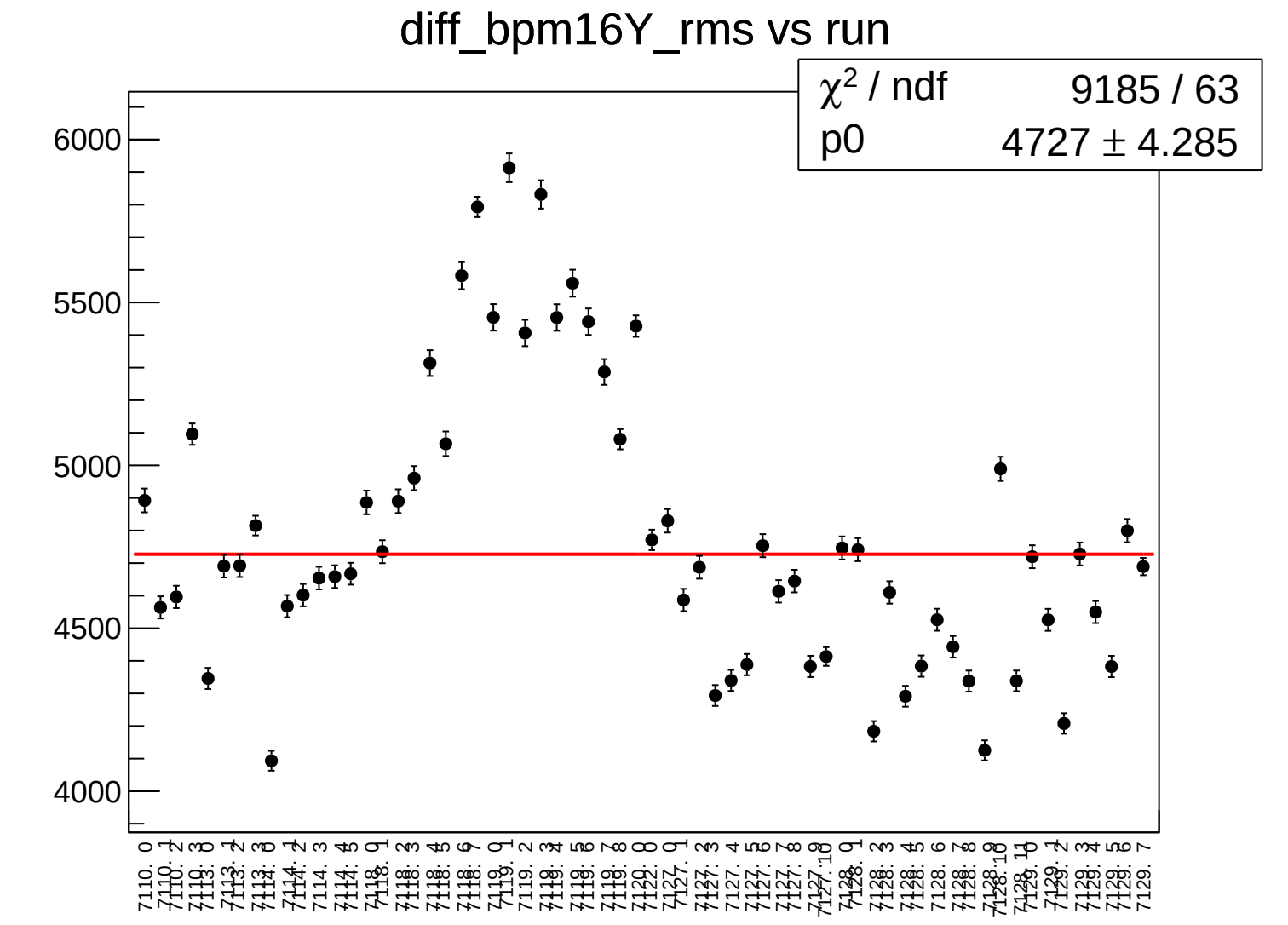

diff_bpm16X_mean vs run
χ² / ndf 66.22 / 63
p0 13.26 ± 6.927
200
100
0
−100
−200
pull
Entries 64
Mean −674.3
Std Dev 0
2
1
0
−1
−2
−3

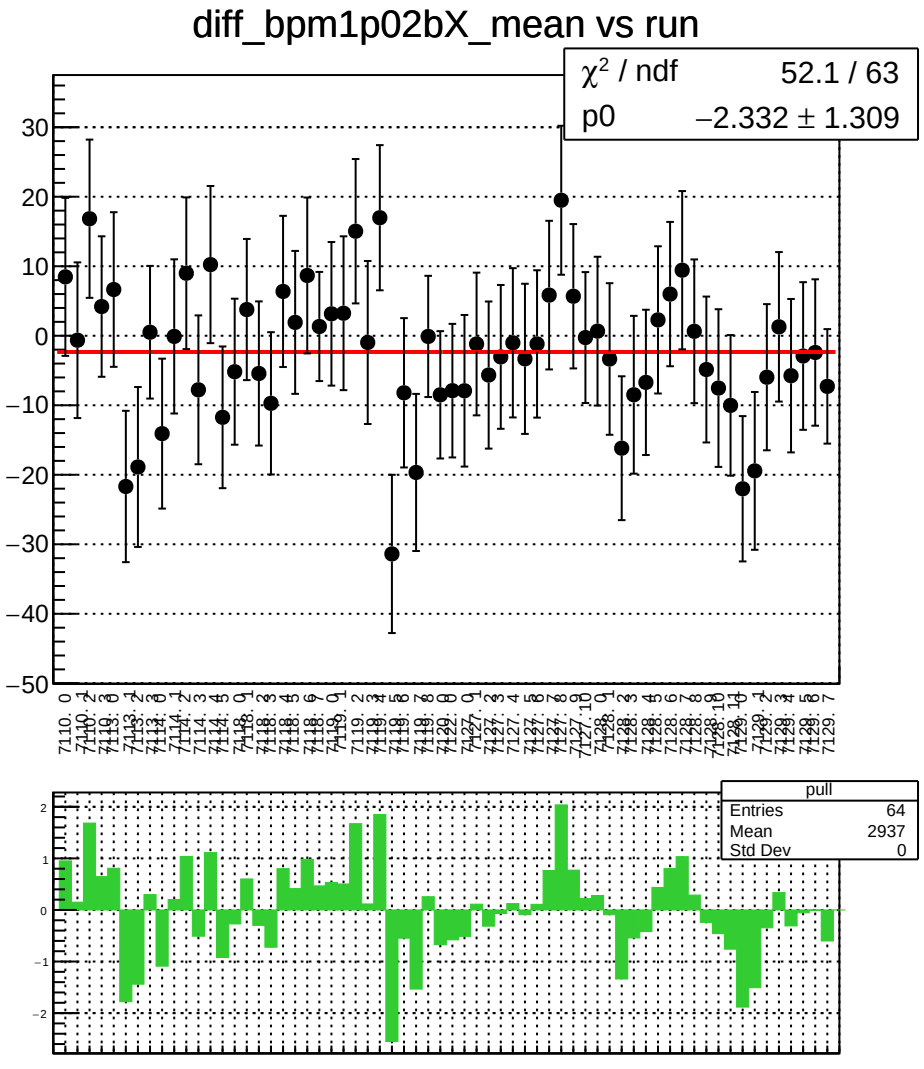

pull1D
Entries 64
Mean −0.007845
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

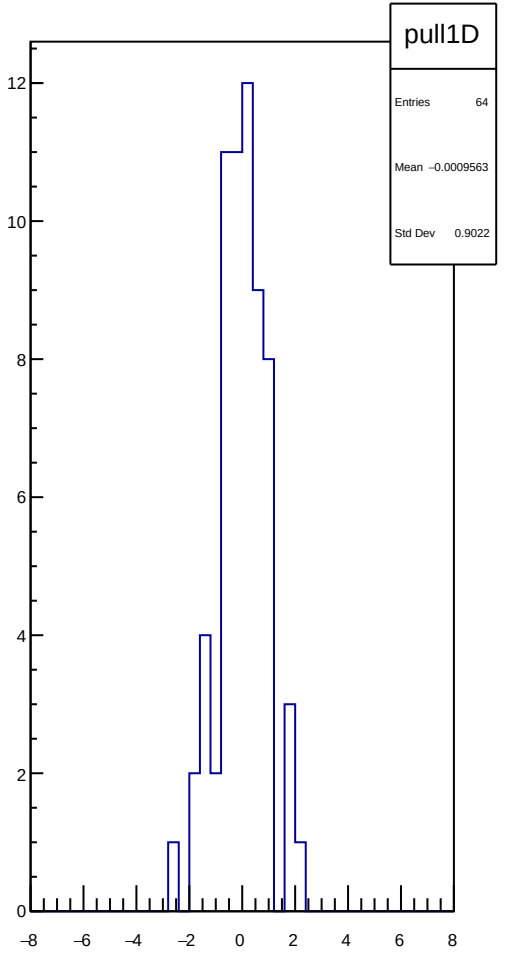

diff_bpm16X_rms vs run
χ² / ndf 3051 / 63
p0 5417 ± 4.898
6000
5800
5600
5400
5200
5000
4800

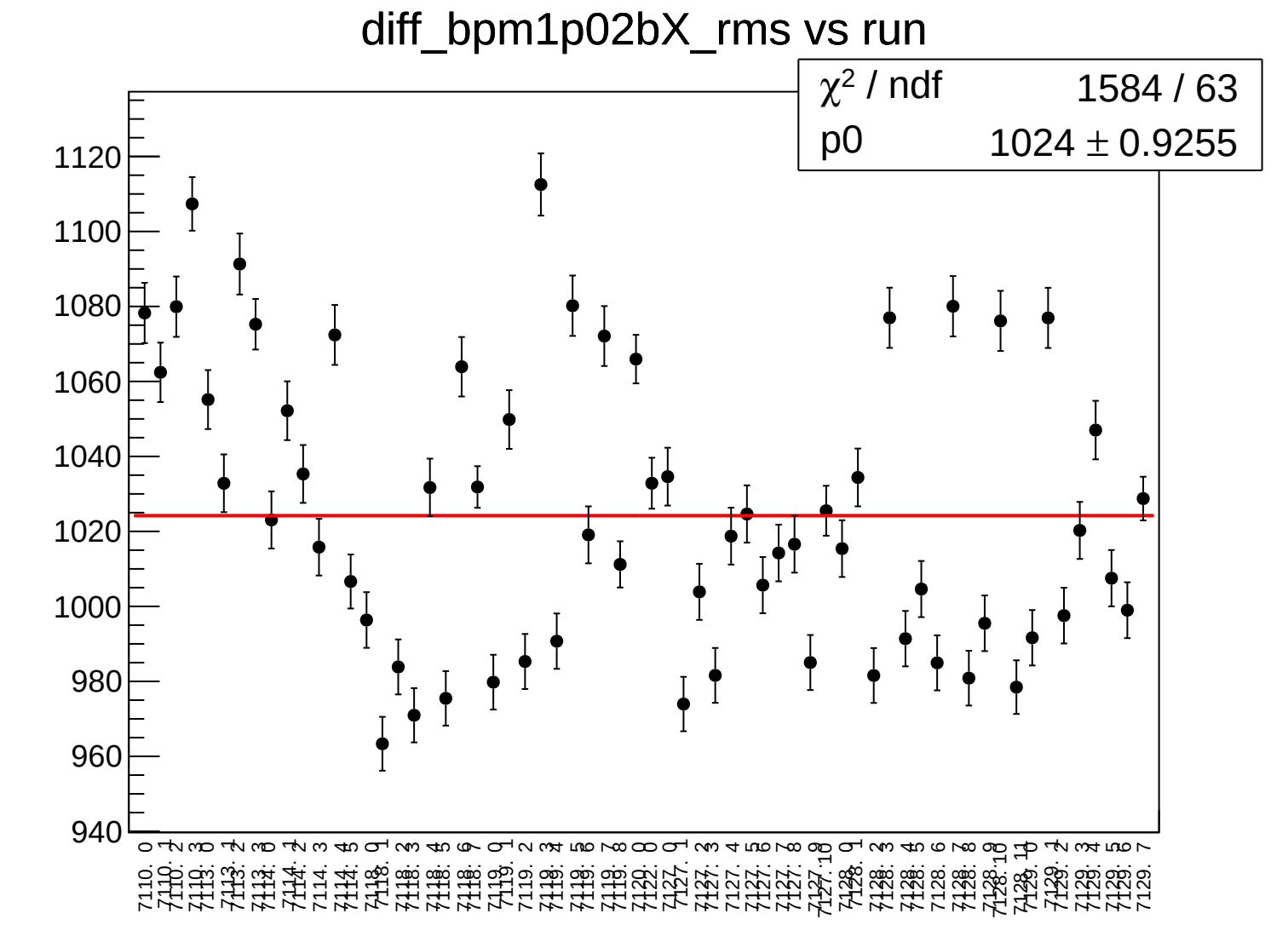

diff_bpm16Y_mean vs run
χ^2 / ndf 48.55 / 63
p0 −4.264 ± 6.06
pull
Entries 64
Mean −89.91
Std Dev 0

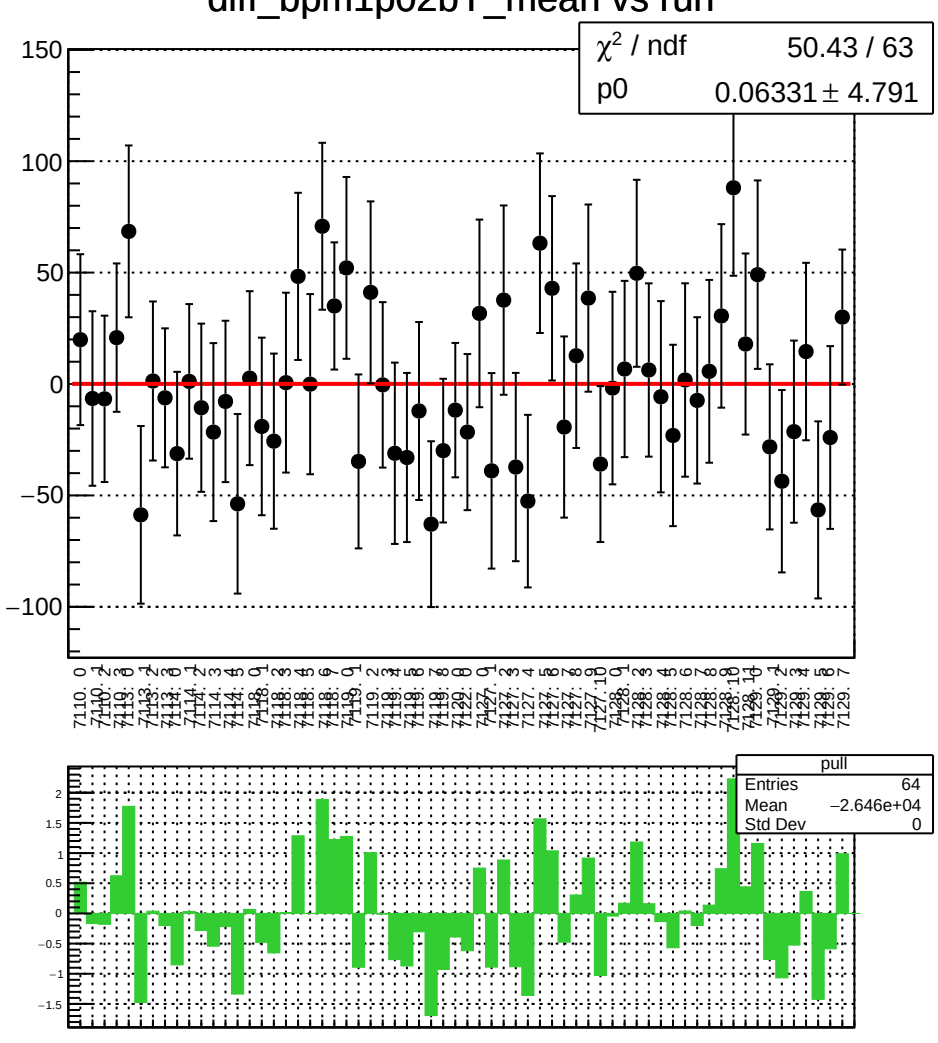

pull1D
Entries 64
Mean −0.009696
Std Dev 0.8709

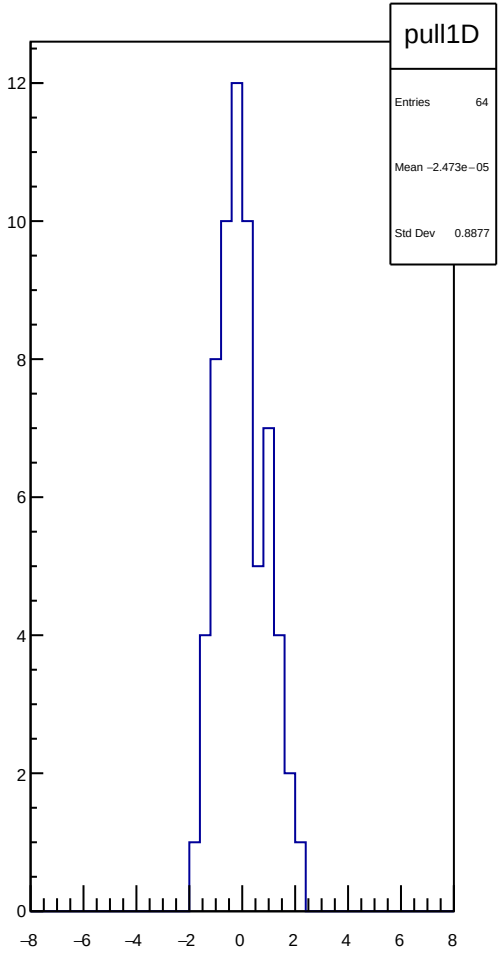

diff_bpm16Y_rms vs run
χ² / ndf 9185 / 63
p0 4727 ± 4.285
6000
5500
5000
4500
4000

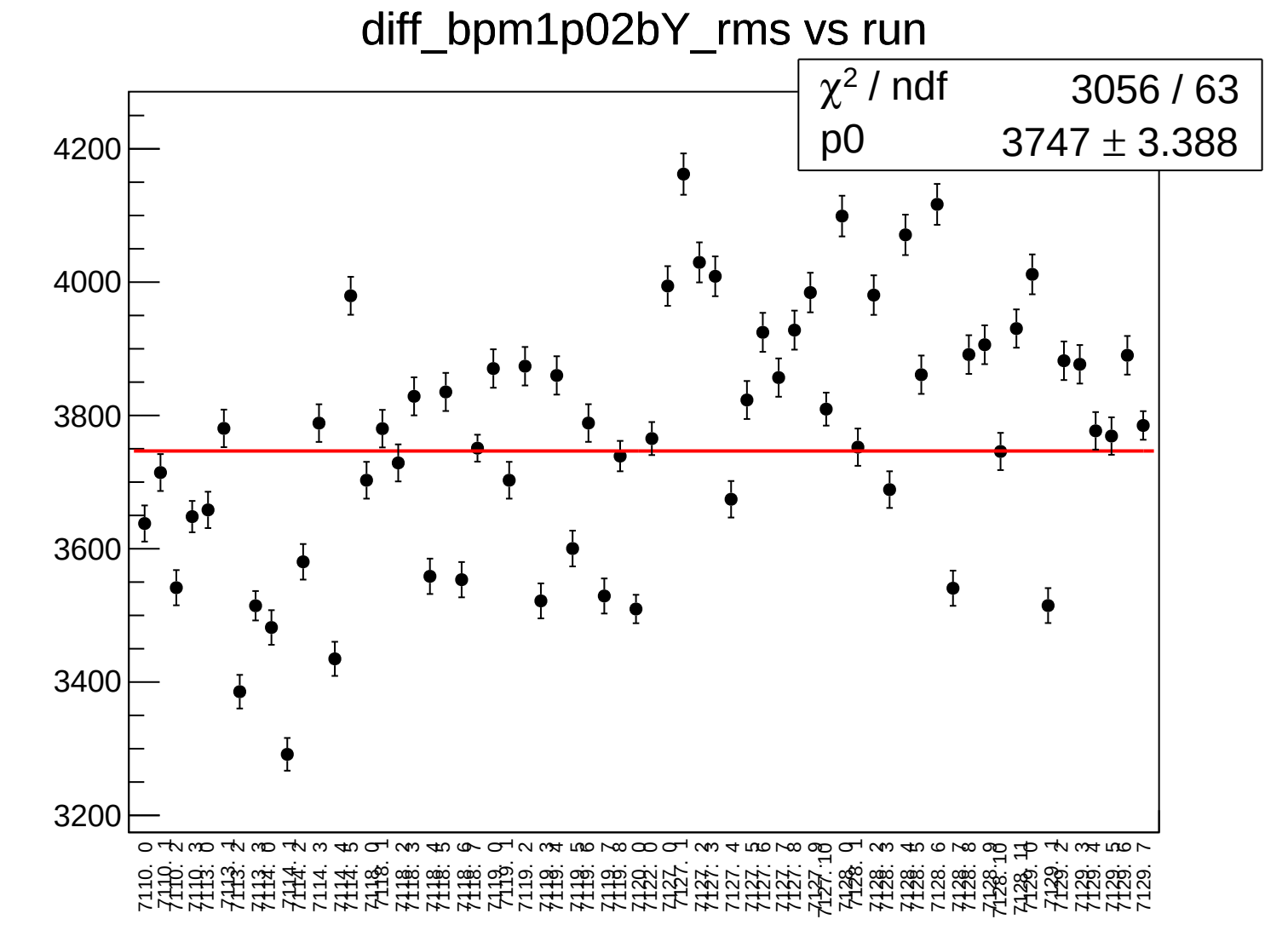

diff_bpm1p02bX_mean vs run
χ² / ndf 52.1 / 63
p0 −2.332 ± 1.309
pull
Entries 64
Mean 2937
Std Dev 0

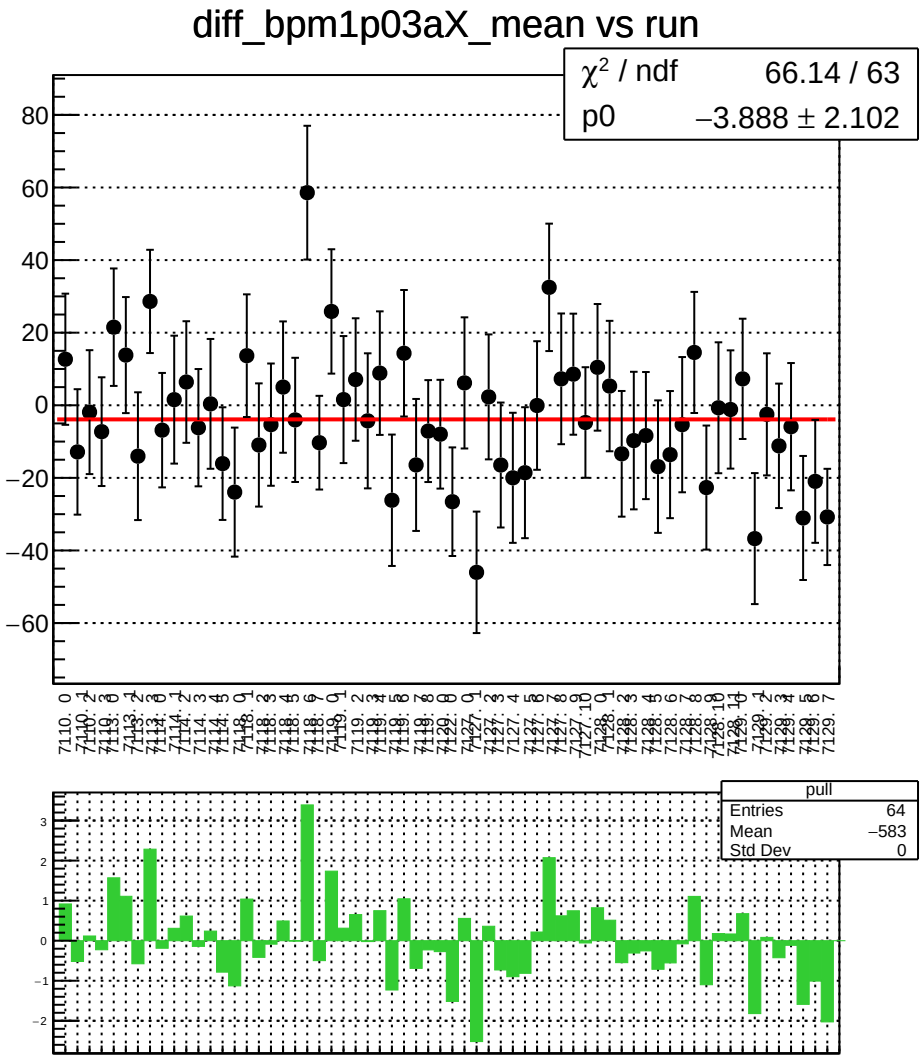

pull1D
Entries 64
Mean −0.0009563
Std Dev 0.9022

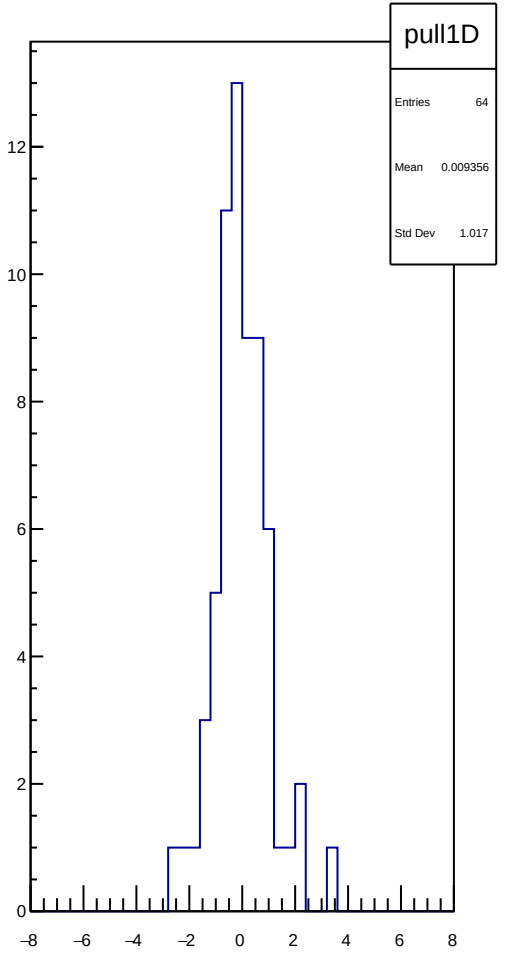

diff_bpm1p02bX_rms vs run
χ² / ndf 1584 / 63
p0 1024 ± 0.9255
1120
1100
1080
1060
1040
1020
1000
980
960
940

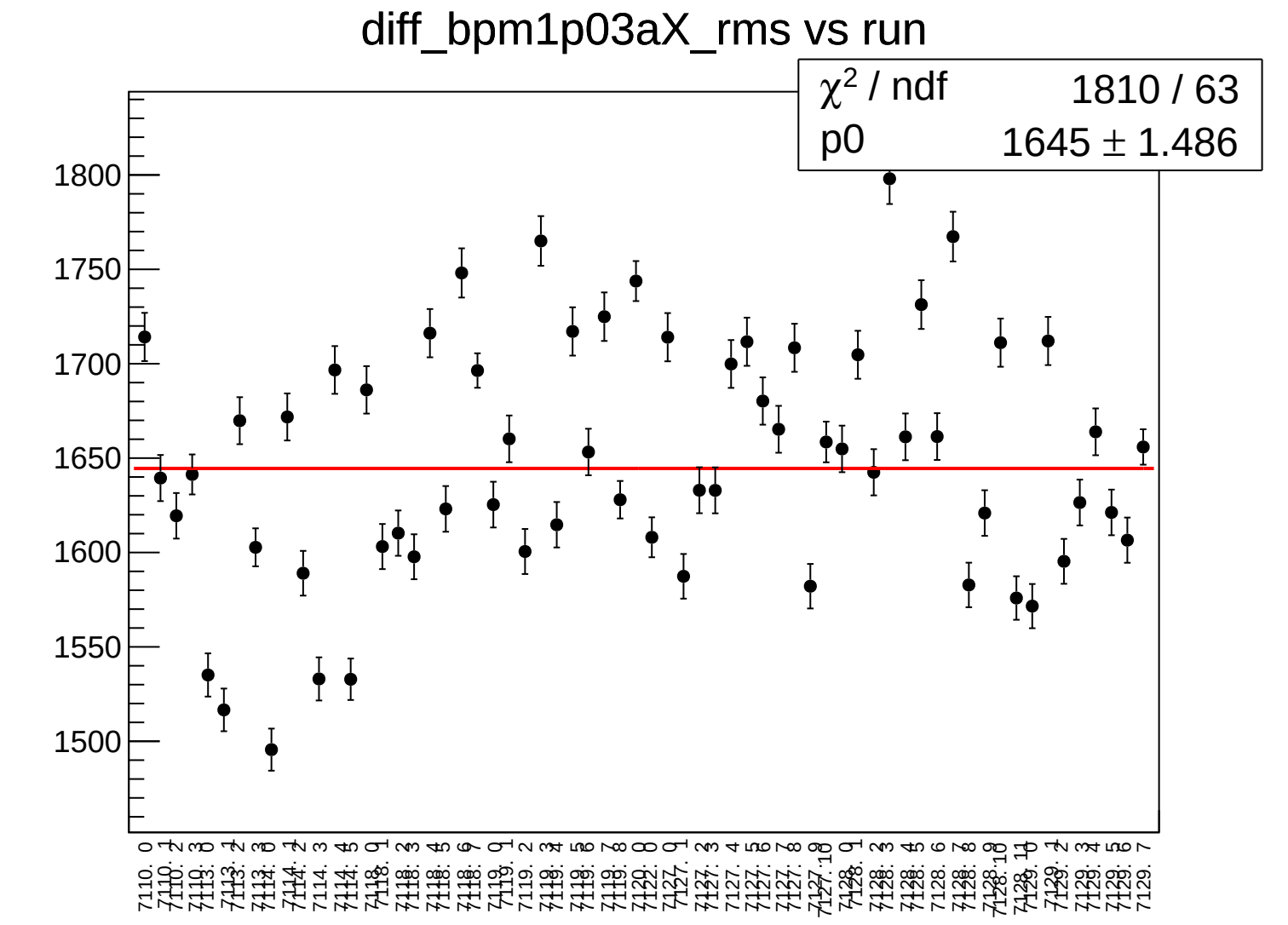

diff_bpm1p02bY_mean vs run
χ² / ndf 50.43 / 63
p0 0.06331 ± 4.791
150
100
50
0
−50
−100
pull
Entries 64
Mean −2.646e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

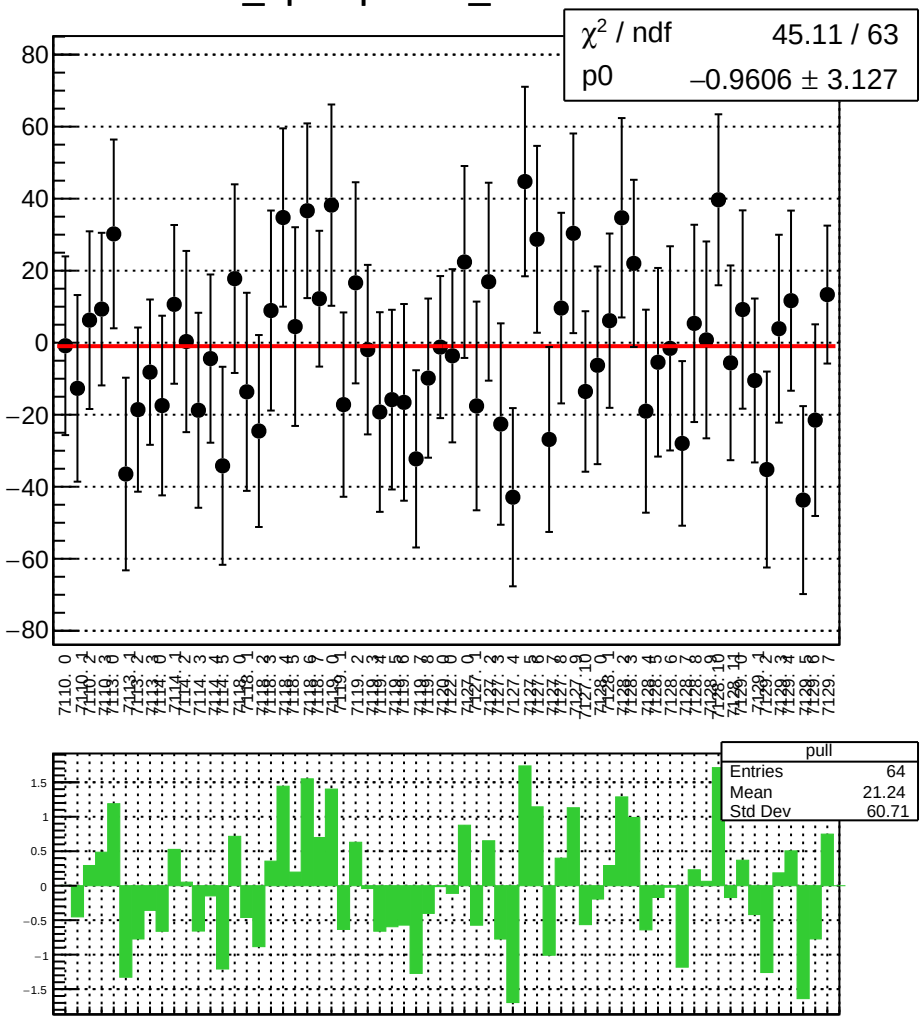

pull1D
Entries 64
Mean −2.473e−05
Std Dev 0.8877
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

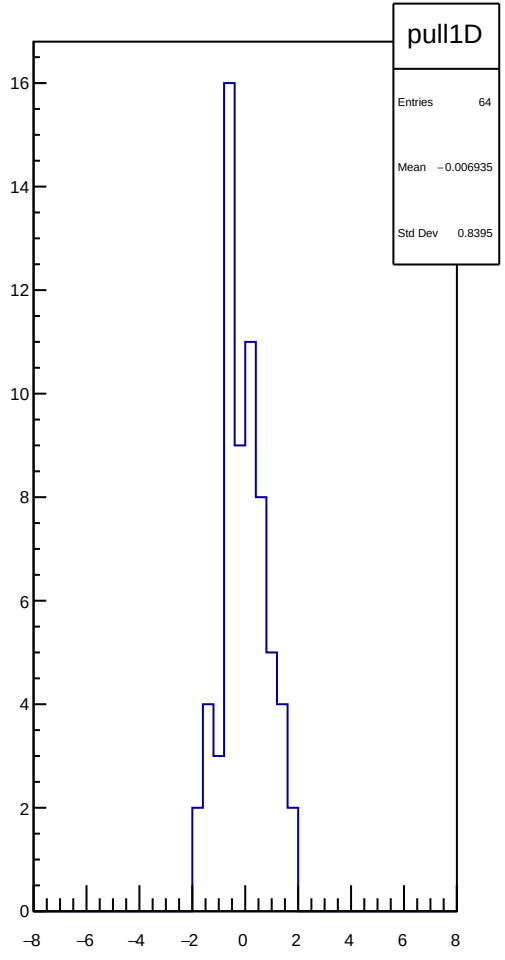

diff_bpm1p02bY_rms vs run
χ² / ndf 3056 / 63
p0 3747 ± 3.388
4200
4000
3800
3600
3400
3200

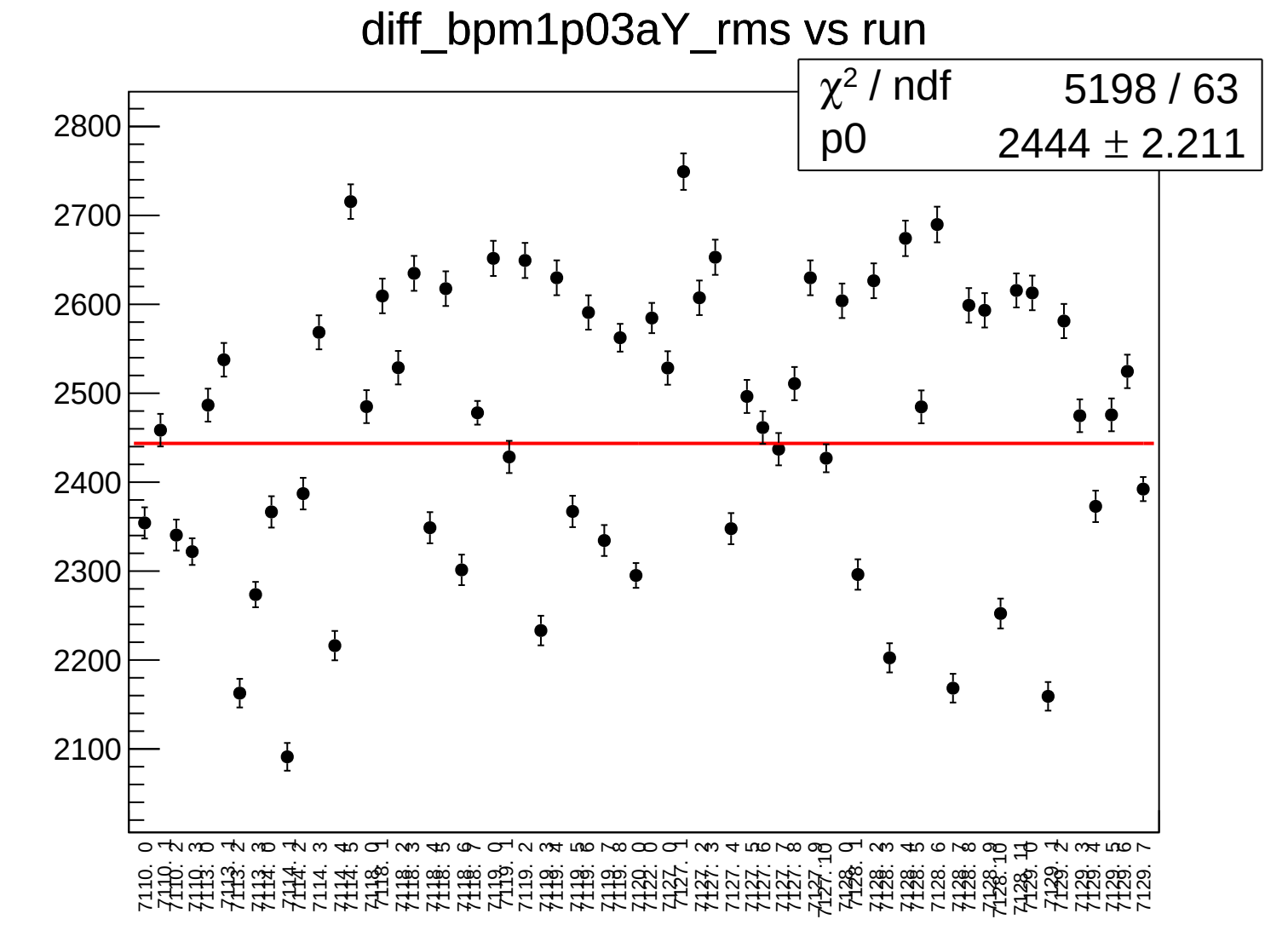

diff_bpm1p03aX_mean vs run
χ² / ndf 66.14 / 63
p0 −3.888 ± 2.102
pull
Entries 64
Mean −583
Std Dev 0

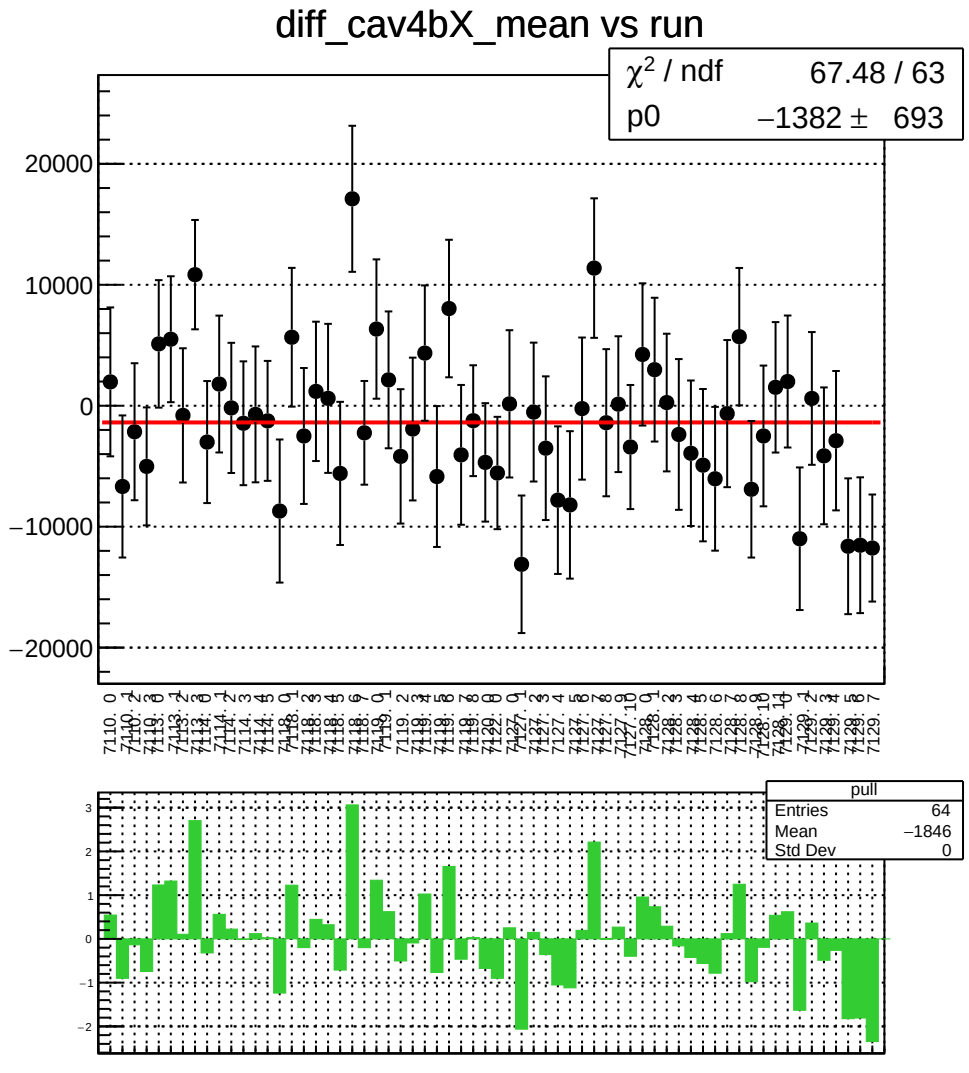

pull1D
Entries 64
Mean 0.009356
Std Dev 1.017

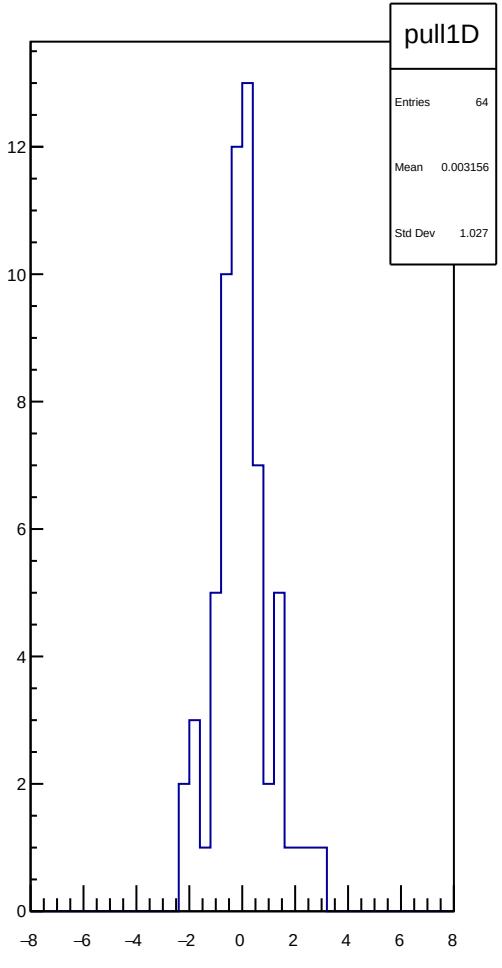

diff_bpm1p03aX_rms vs run
χ² / ndf 1810 / 63
p0 1645 ± 1.486
1800
1750
1700
1650
1600
1550
1500

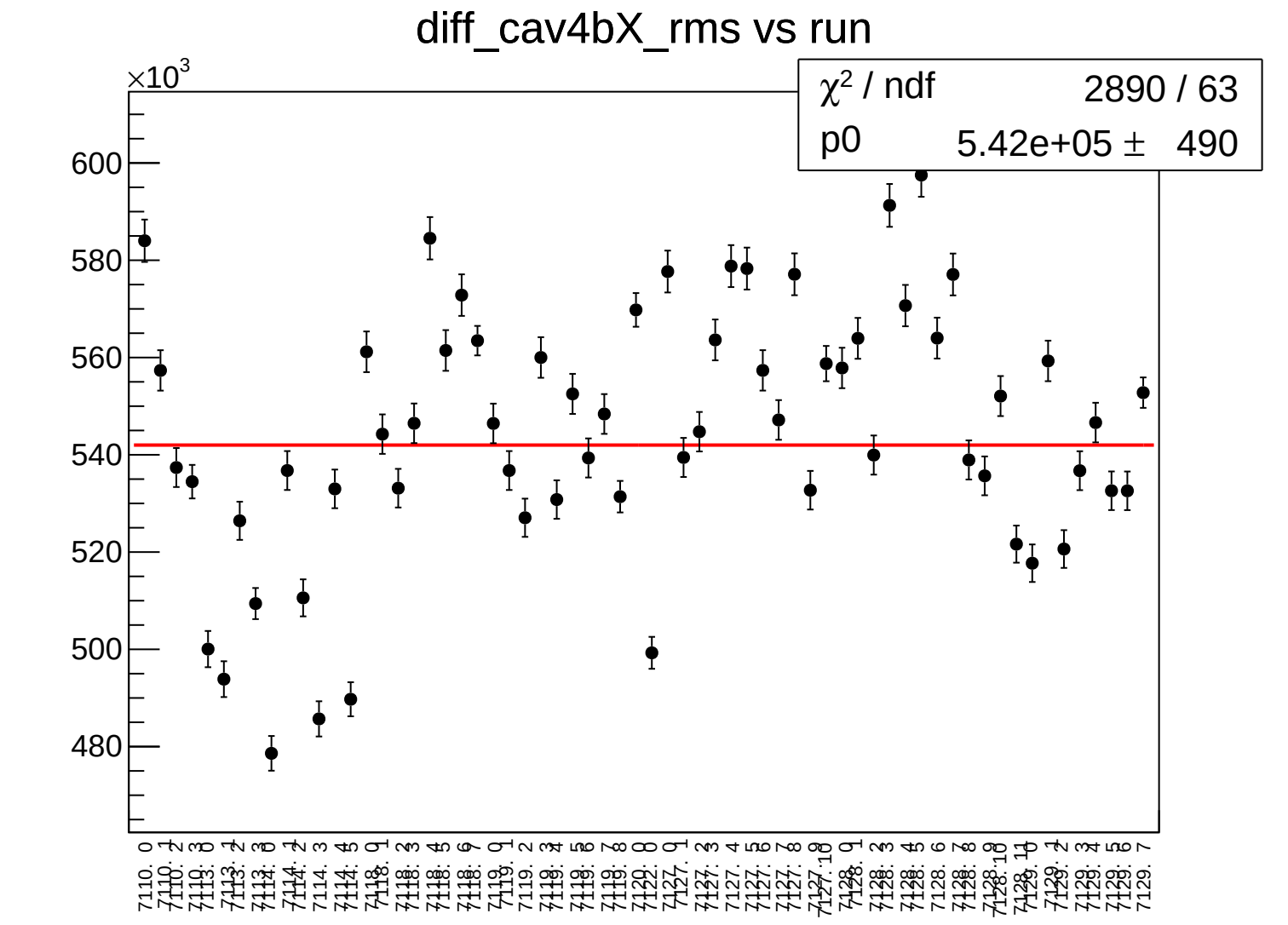

diff_bpm1p03aY_mean vs run
χ² / ndf 45.11 / 63
p0 −0.9606 ± 3.127
pull
Entries 64
Mean 21.24
Std Dev 60.71

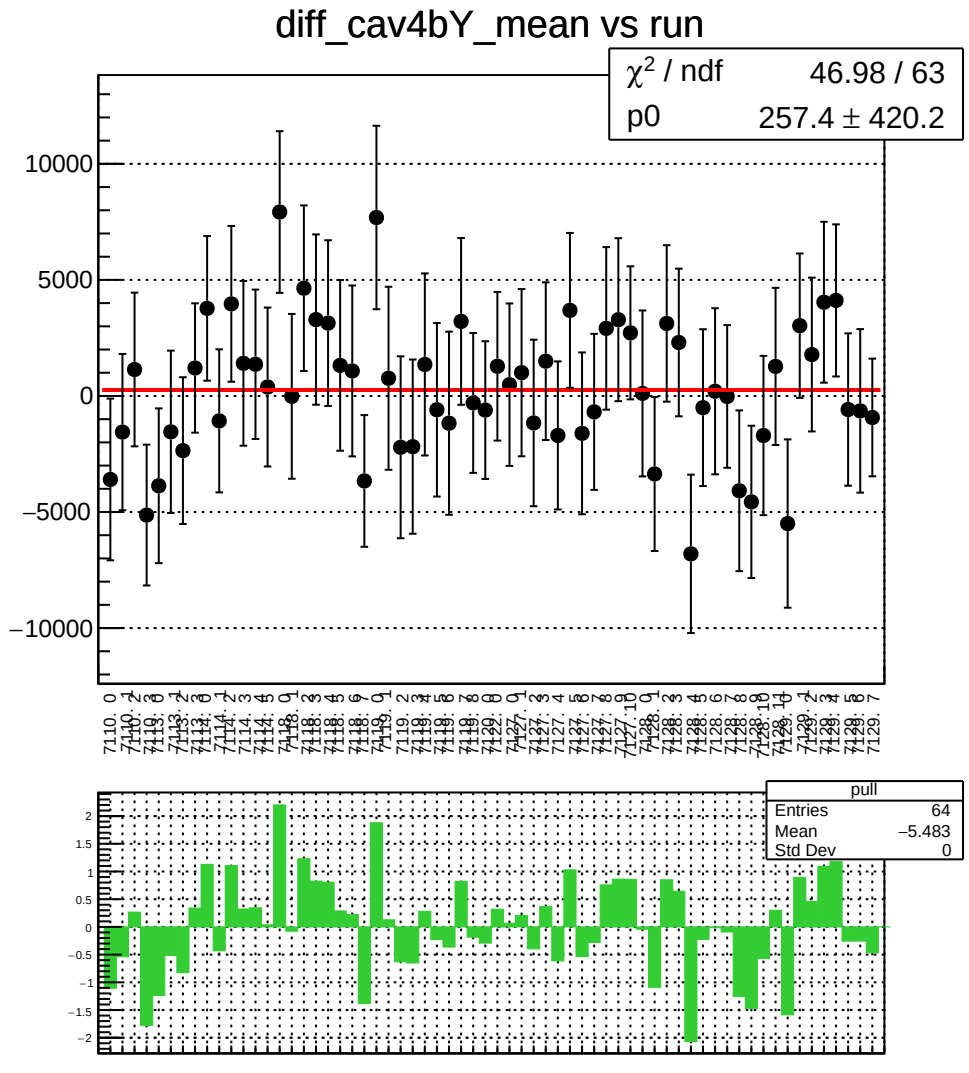

pull1D
Entries 64
Mean −0.006935
Std Dev 0.8395

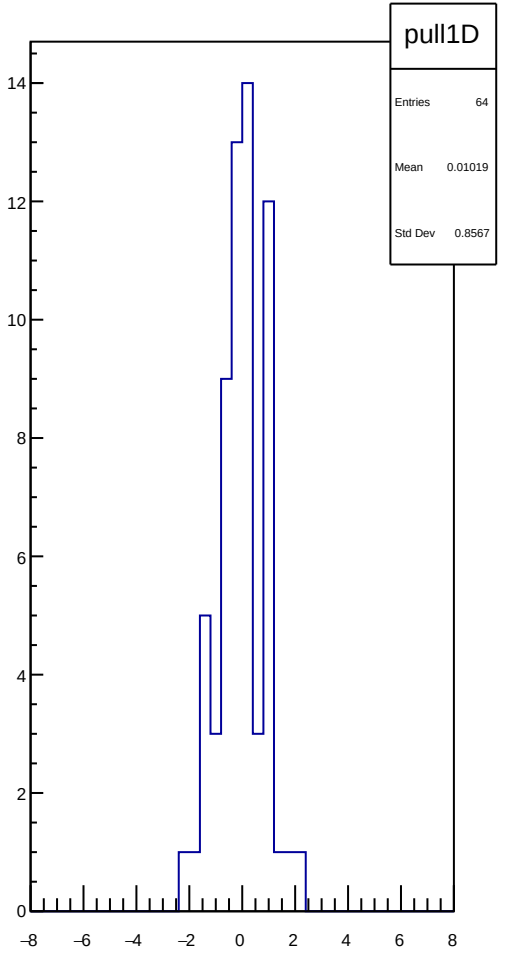

diff_bpm1p03aY_rms vs run
χ² / ndf 5198 / 63
p0 2444 ± 2.211
2800
2700
2600
2500
2400
2300
2200
2100

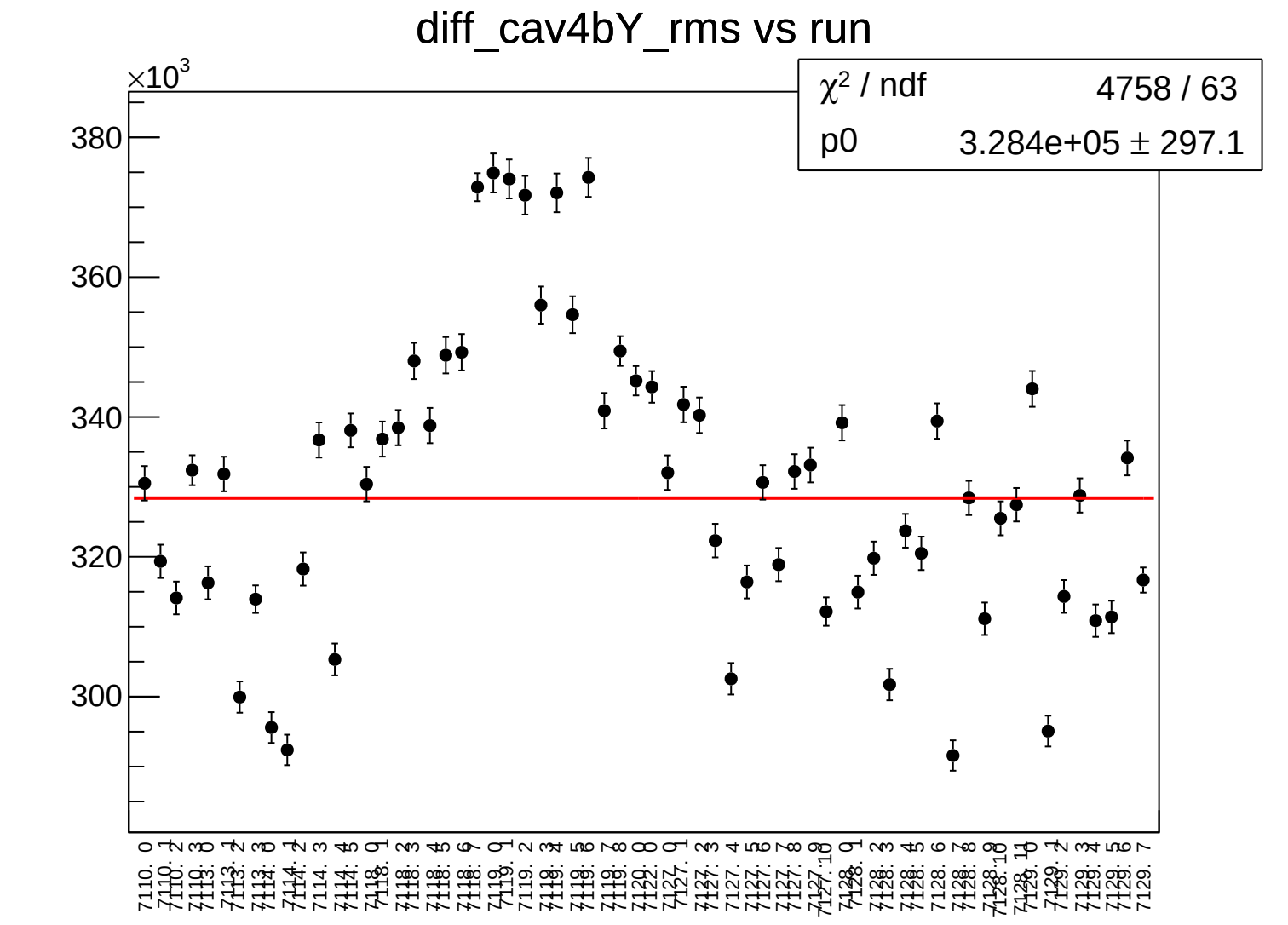

diff_cav4bX_mean vs run
χ² / ndf 67.48 / 63
p0 −1382 ± 693
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −1846
Std Dev 0
3
2
1
0
−1
−2

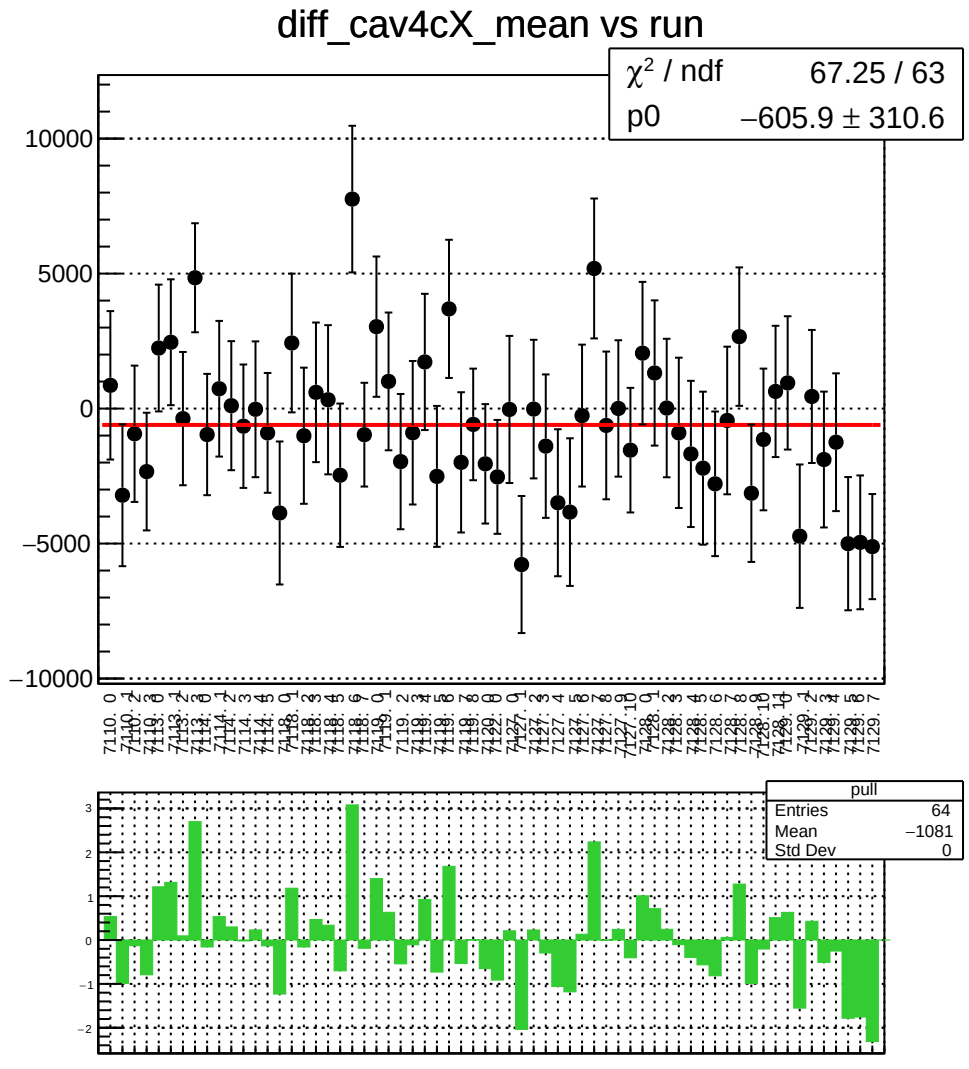

pull1D
Entries 64
Mean 0.003156
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

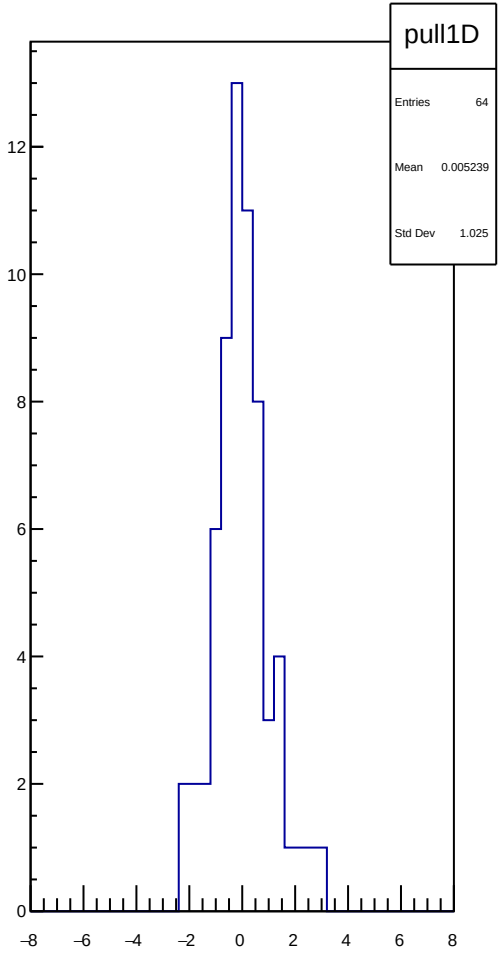

diff_cav4bX_rms vs run
×10^3
χ² / ndf 2890 / 63
p0 5.42e+05 ± 490
600
580
560
540
520
500
480

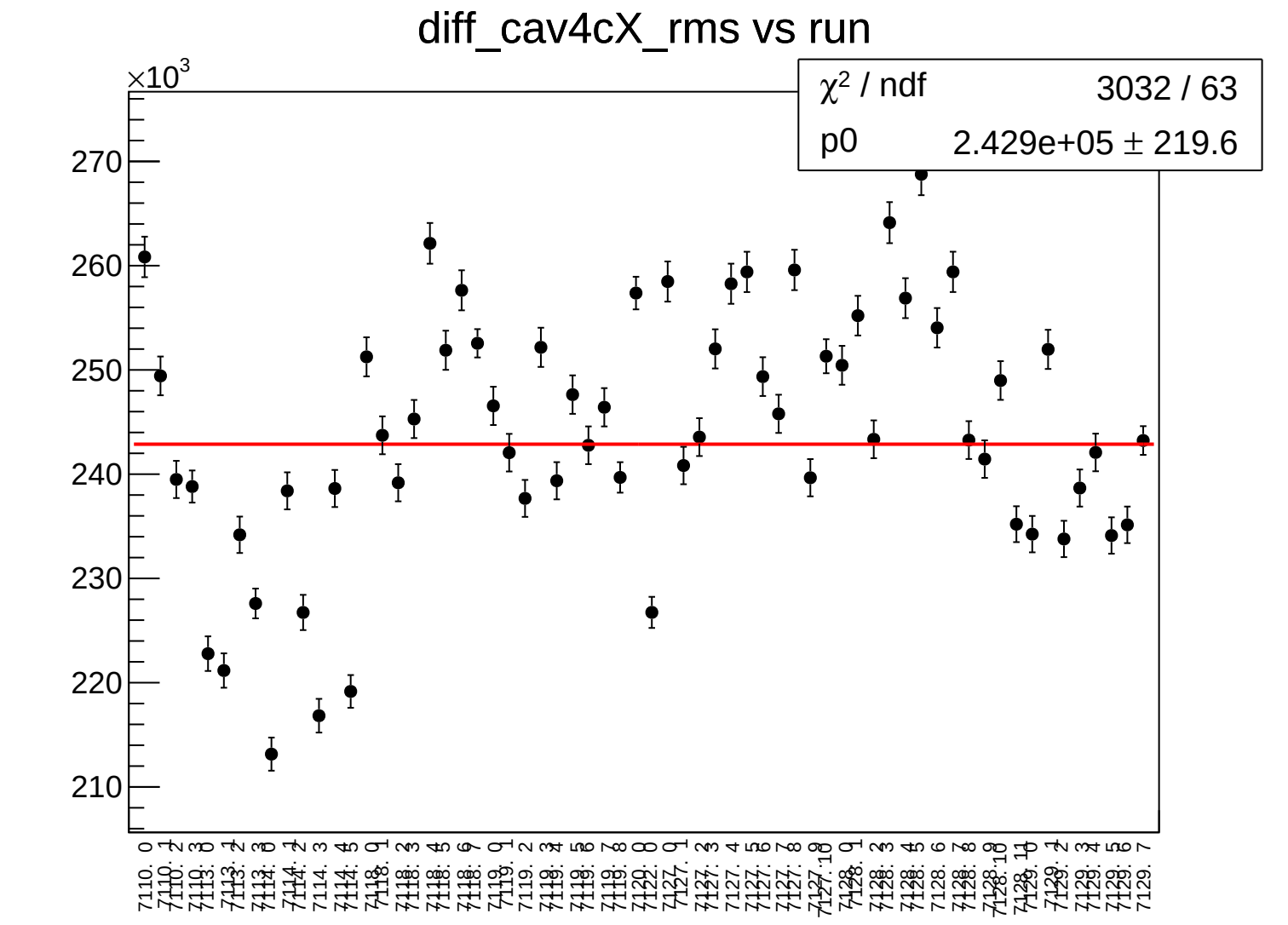

diff_cav4bY_mean vs run
χ² / ndf 46.98 / 63
p0 257.4 ± 420.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −5.483
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

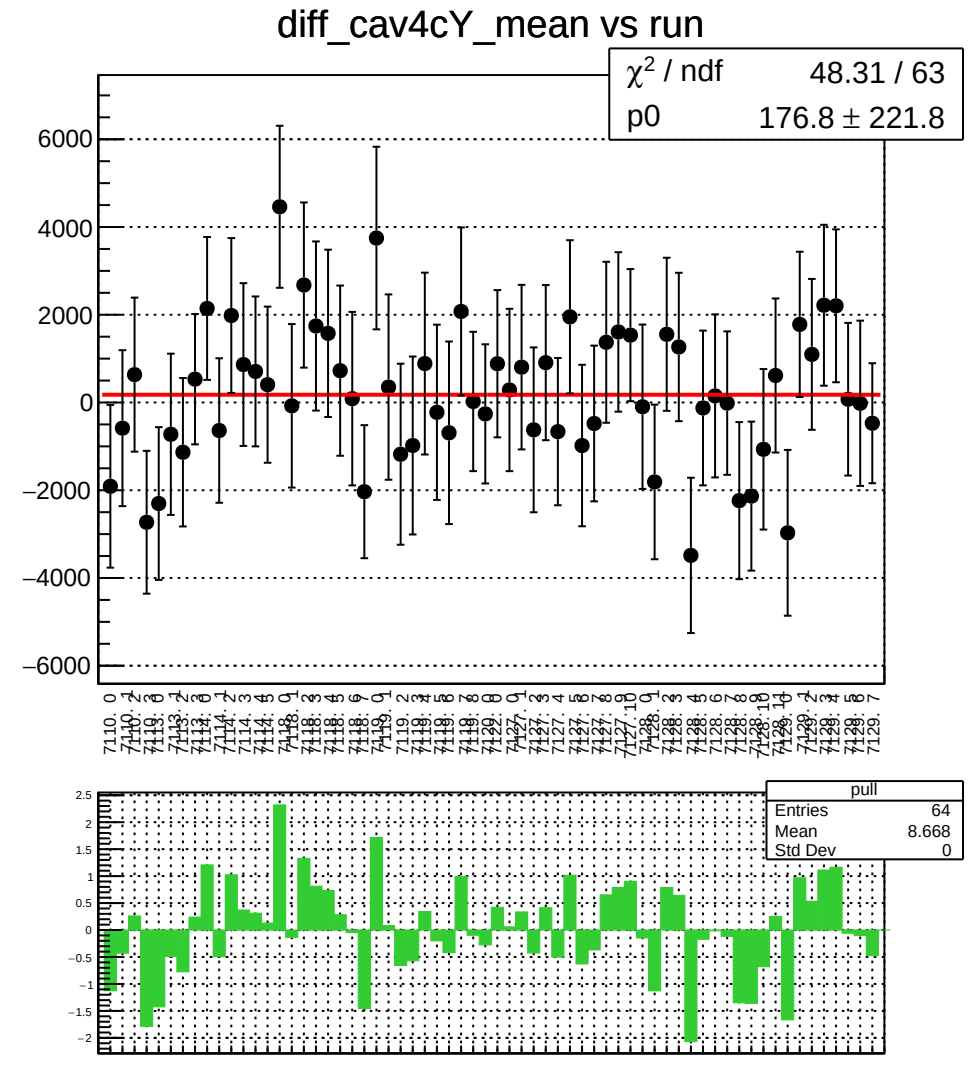

pull1D
Entries 64
Mean 0.01019
Std Dev 0.8567
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

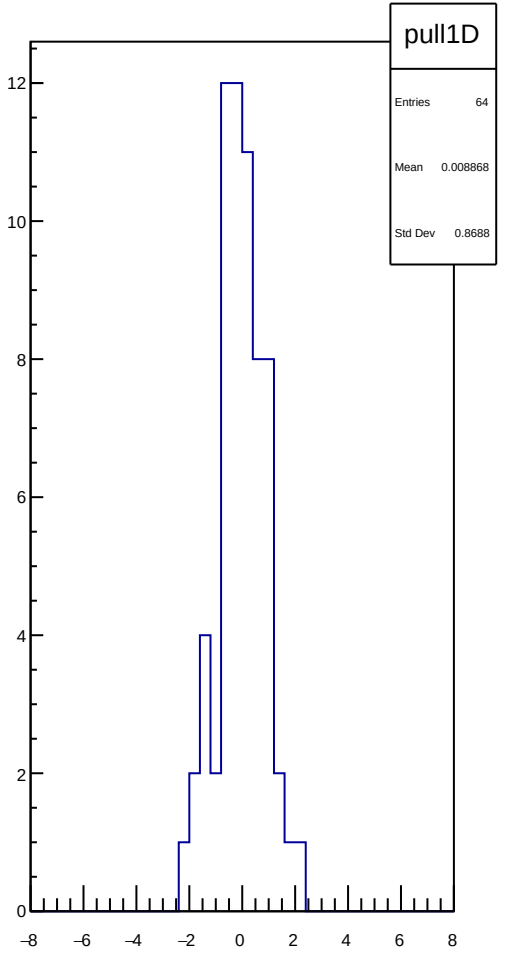

diff_cav4bY_rms vs run
×10^3
380
360
340
320
300
χ² / ndf 4758 / 63
p0 3.284e+05 ± 297.1

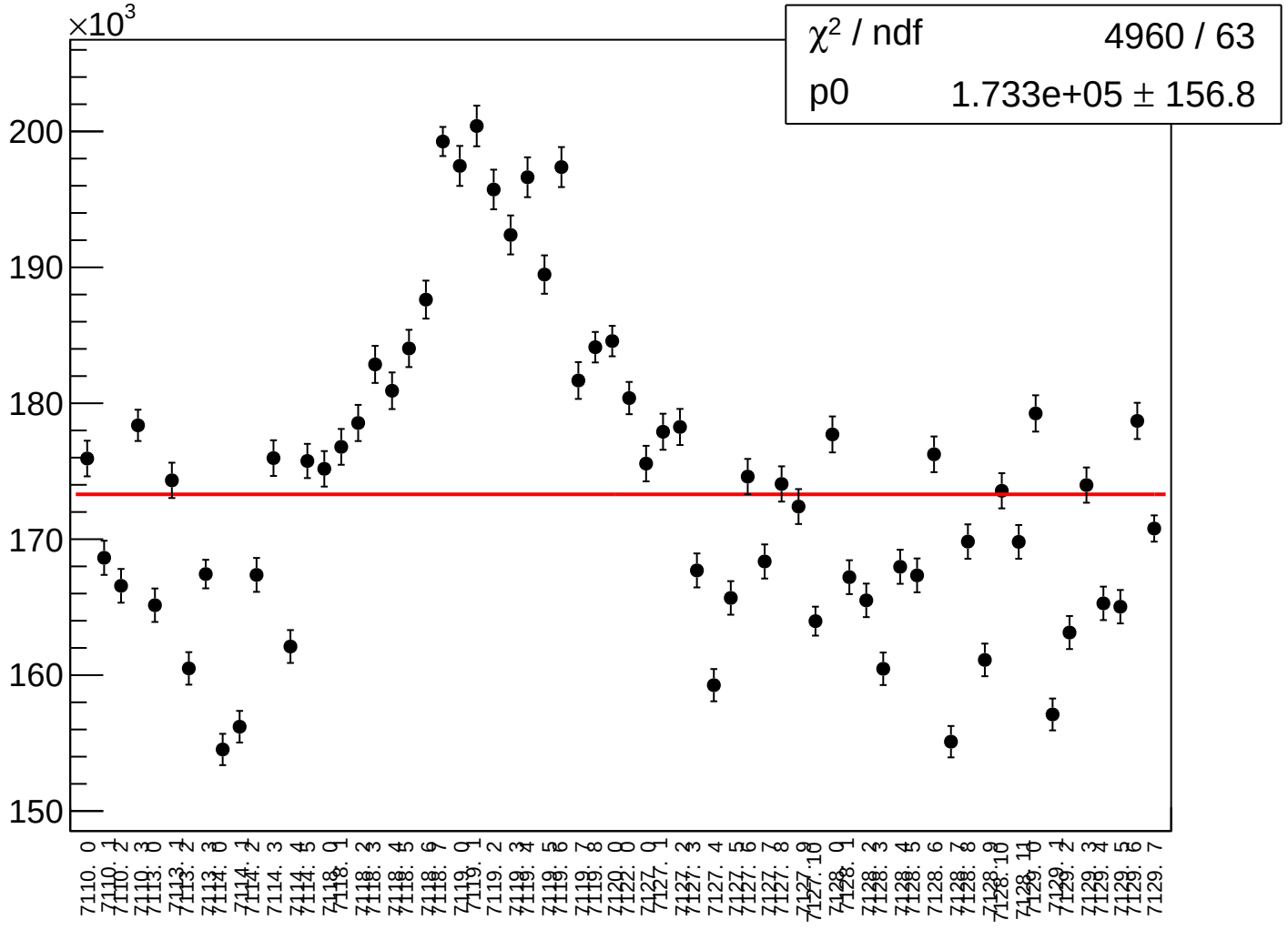

diff_cav4cX_mean vs run
χ² / ndf 67.25 / 63
p0 −605.9 ± 310.6
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1081
Std Dev 0

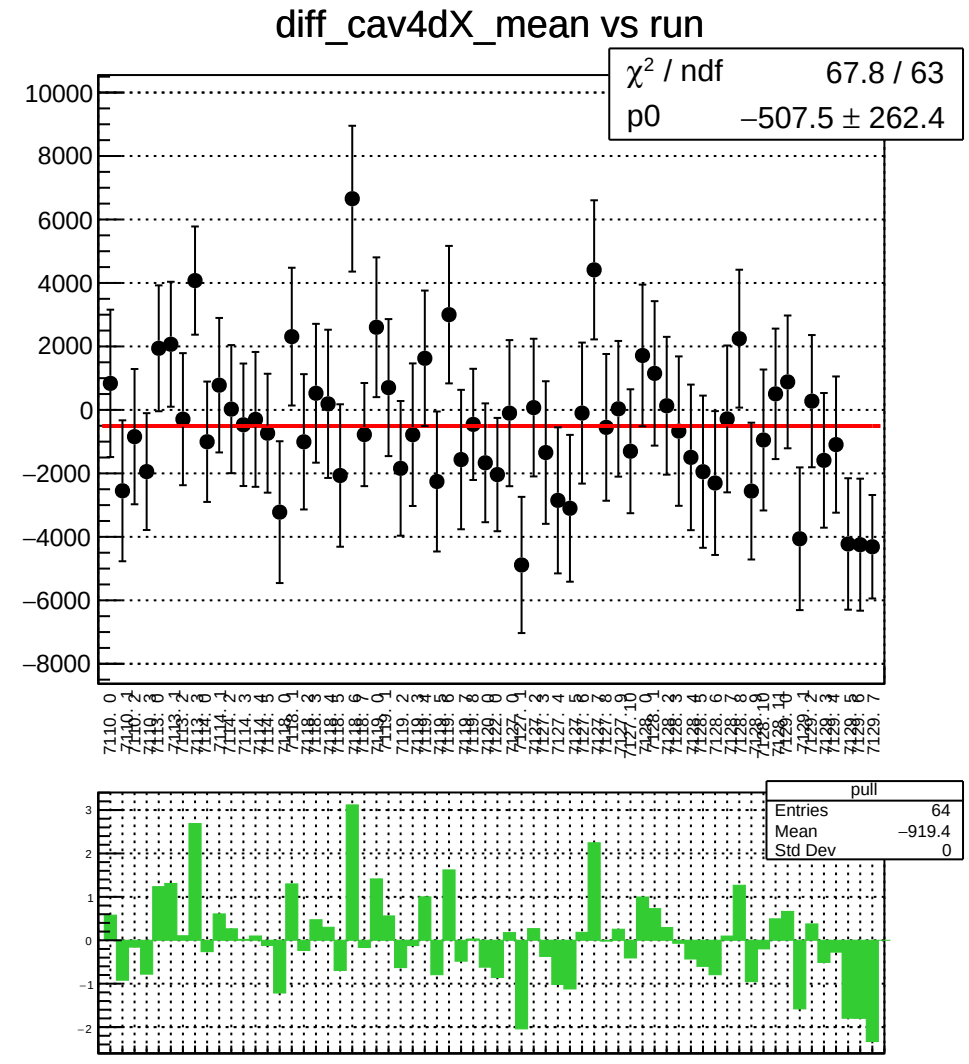

pull1D
Entries 64
Mean 0.005239
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

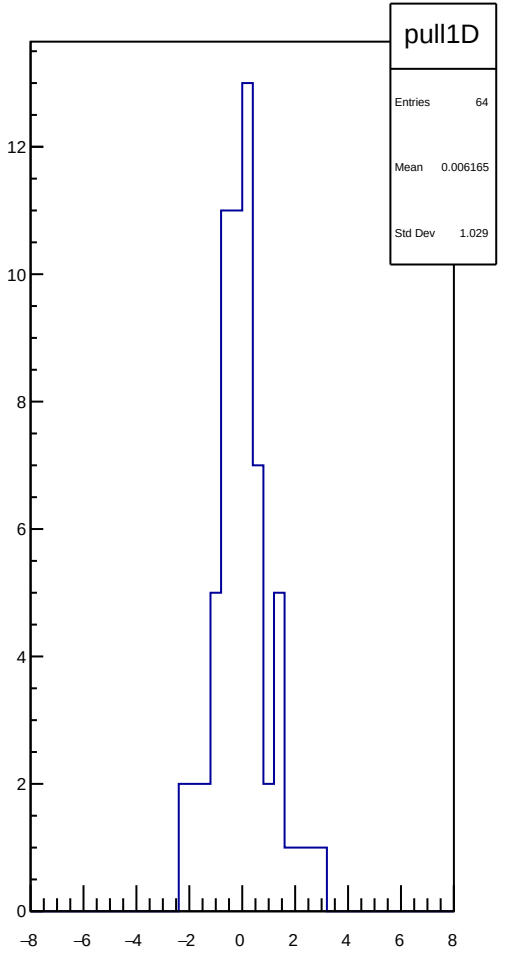

diff_cav4cX_rms vs run
×10^3
χ² / ndf 3032 / 63
p0 2.429e+05 ± 219.6
270
260
250
240
230
220
210

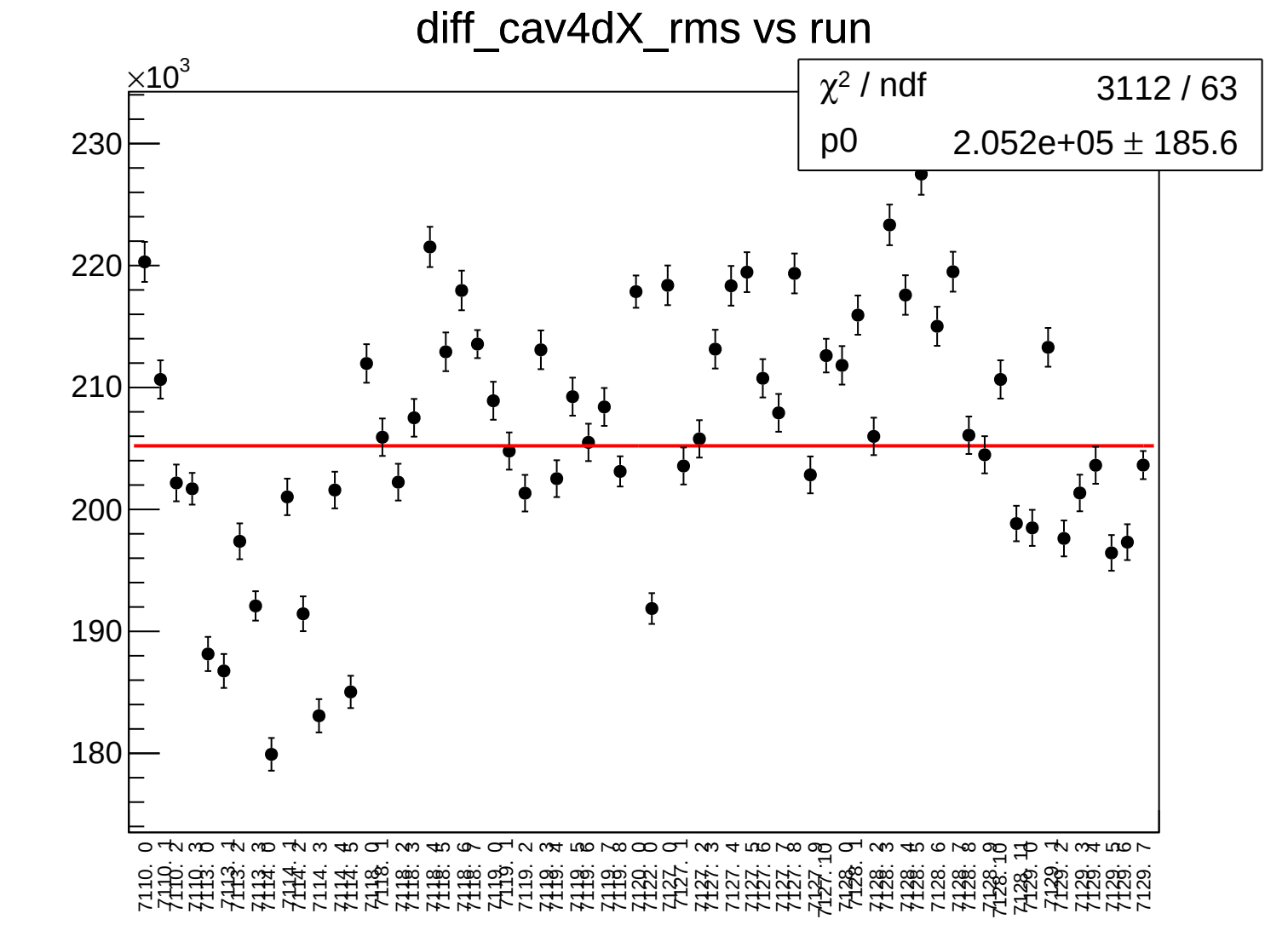

diff_cav4cY_mean vs run
χ² / ndf 48.31 / 63
p0 176.8 ± 221.8
pull
Entries 64
Mean 8.668
Std Dev 0

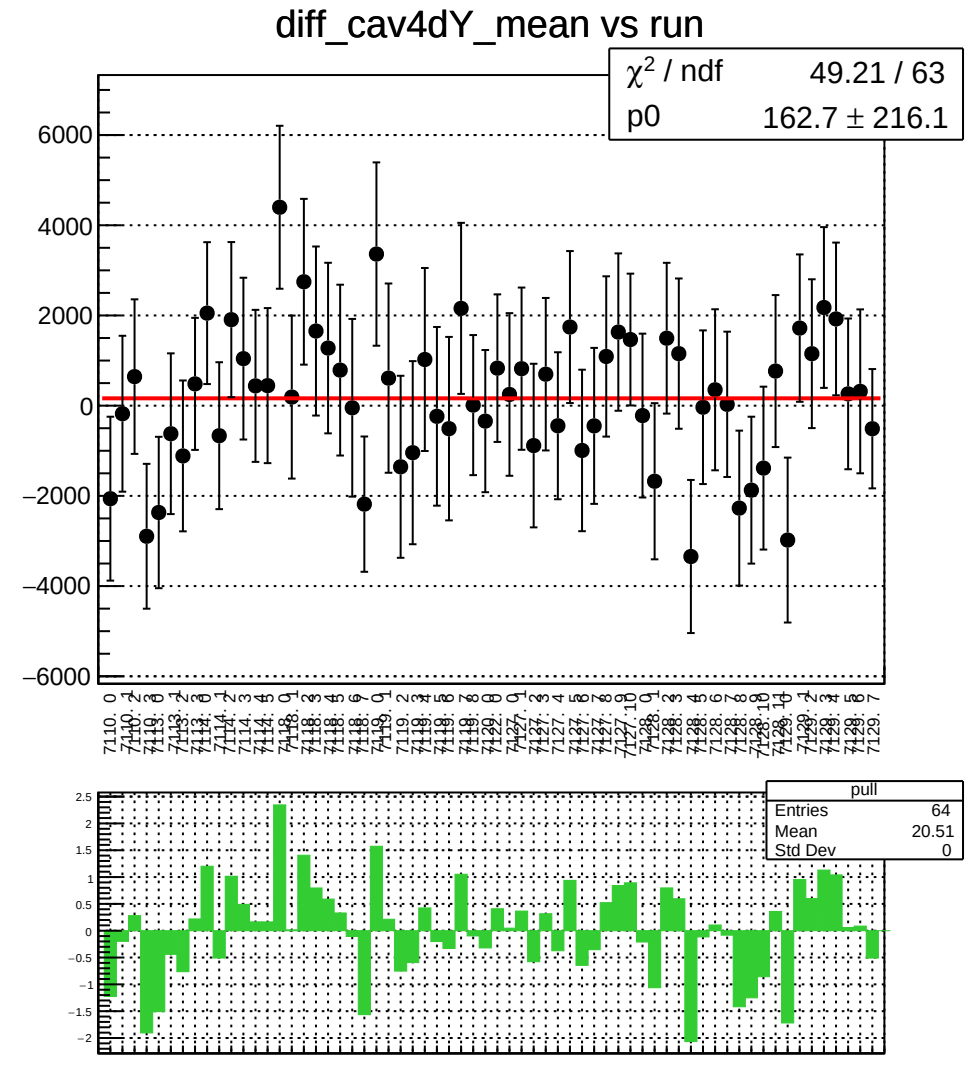

pull1D
Entries 64
Mean 0.008868
Std Dev 0.8688

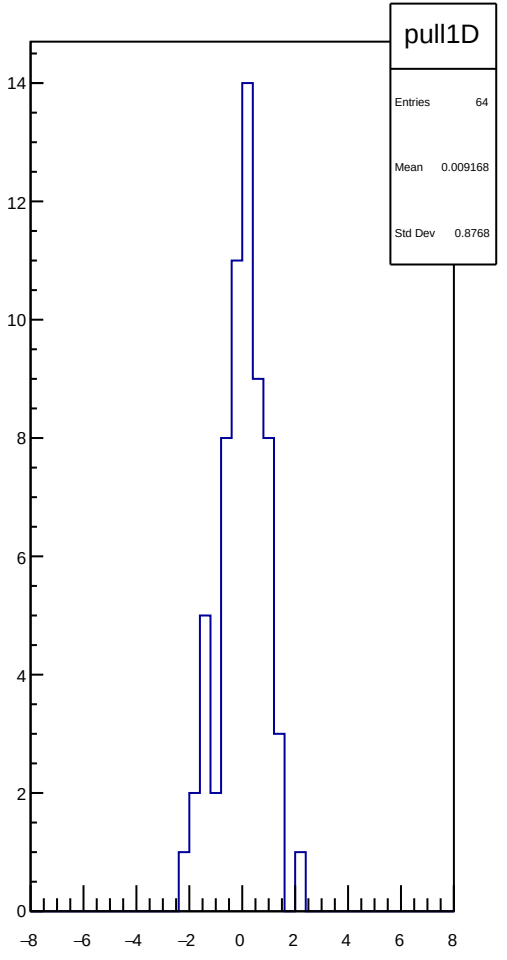

diff_cav4cY_rms vs run
×10^3
χ² / ndf 4960 / 63
p0 1.733e+05 ± 156.8
200
190
180
170
160
150

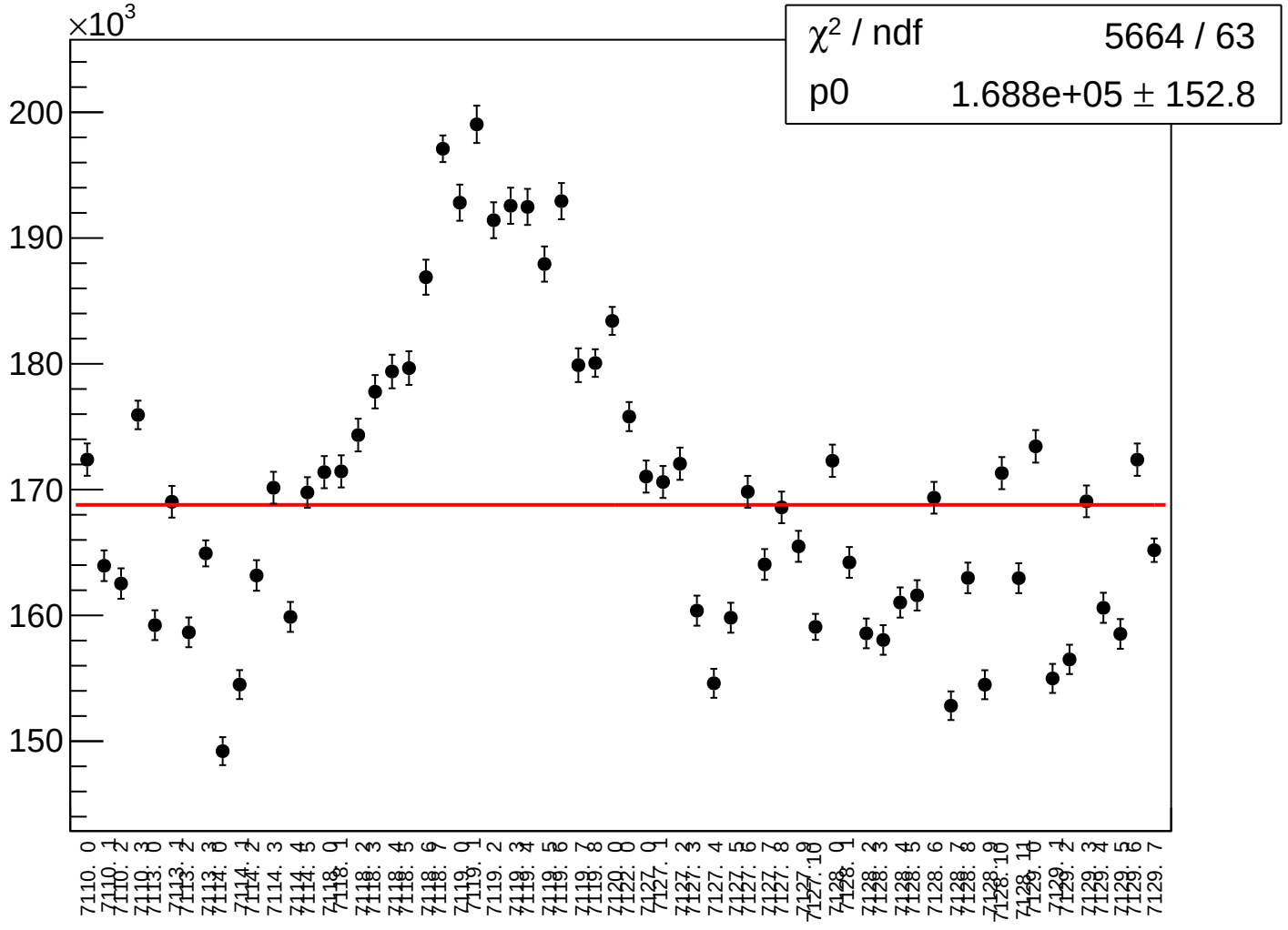

diff_cav4dX_mean vs run
χ² / ndf 67.8 / 63
p0 −507.5 ± 262.4
pull
Entries 64
Mean −919.4
Std Dev 0

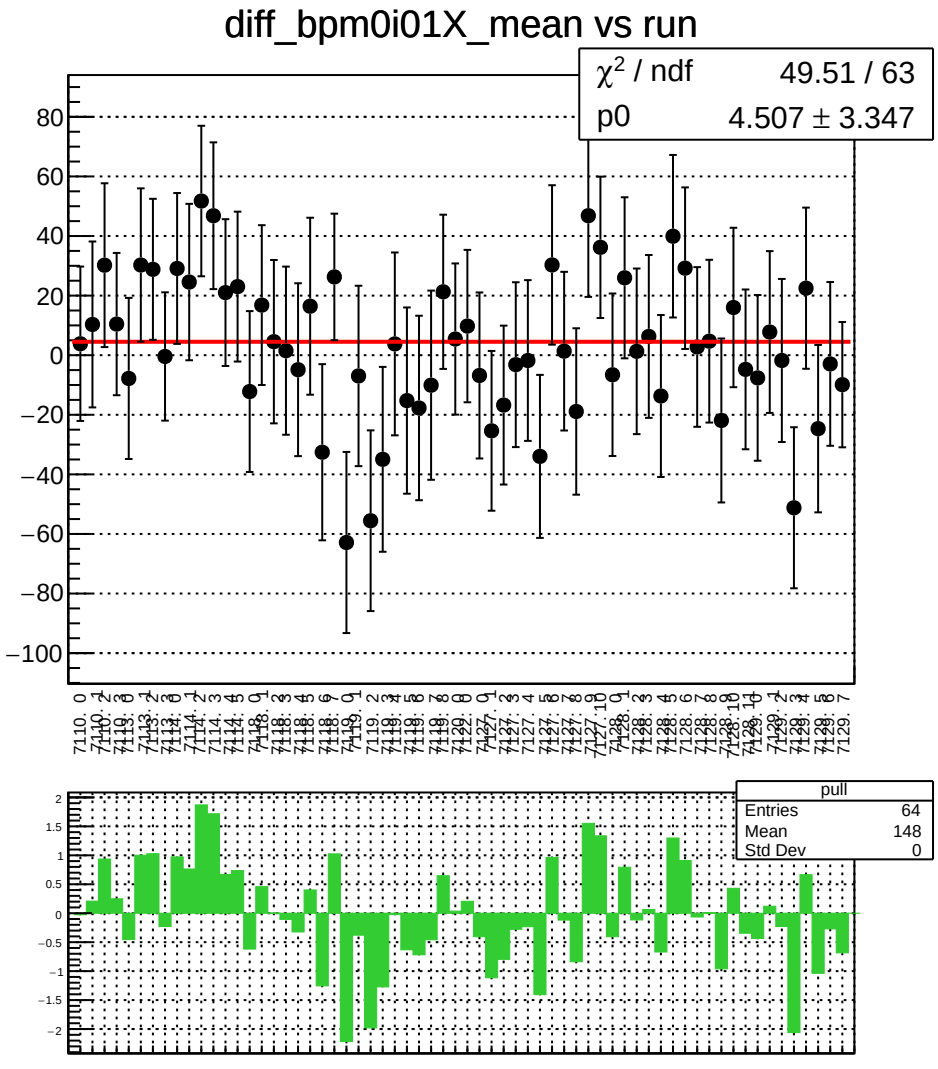

pull1D
Entries 64
Mean 0.006165
Std Dev 1.029

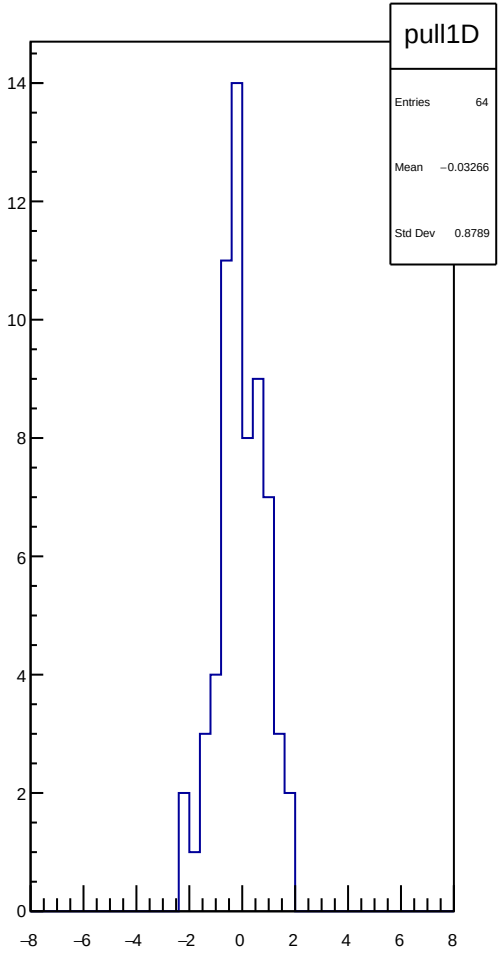

diff_cav4dX_rms vs run
×10^3
230
220
210
200
190
180
χ² / ndf 3112 / 63
p0 2.052e+05 ± 185.6

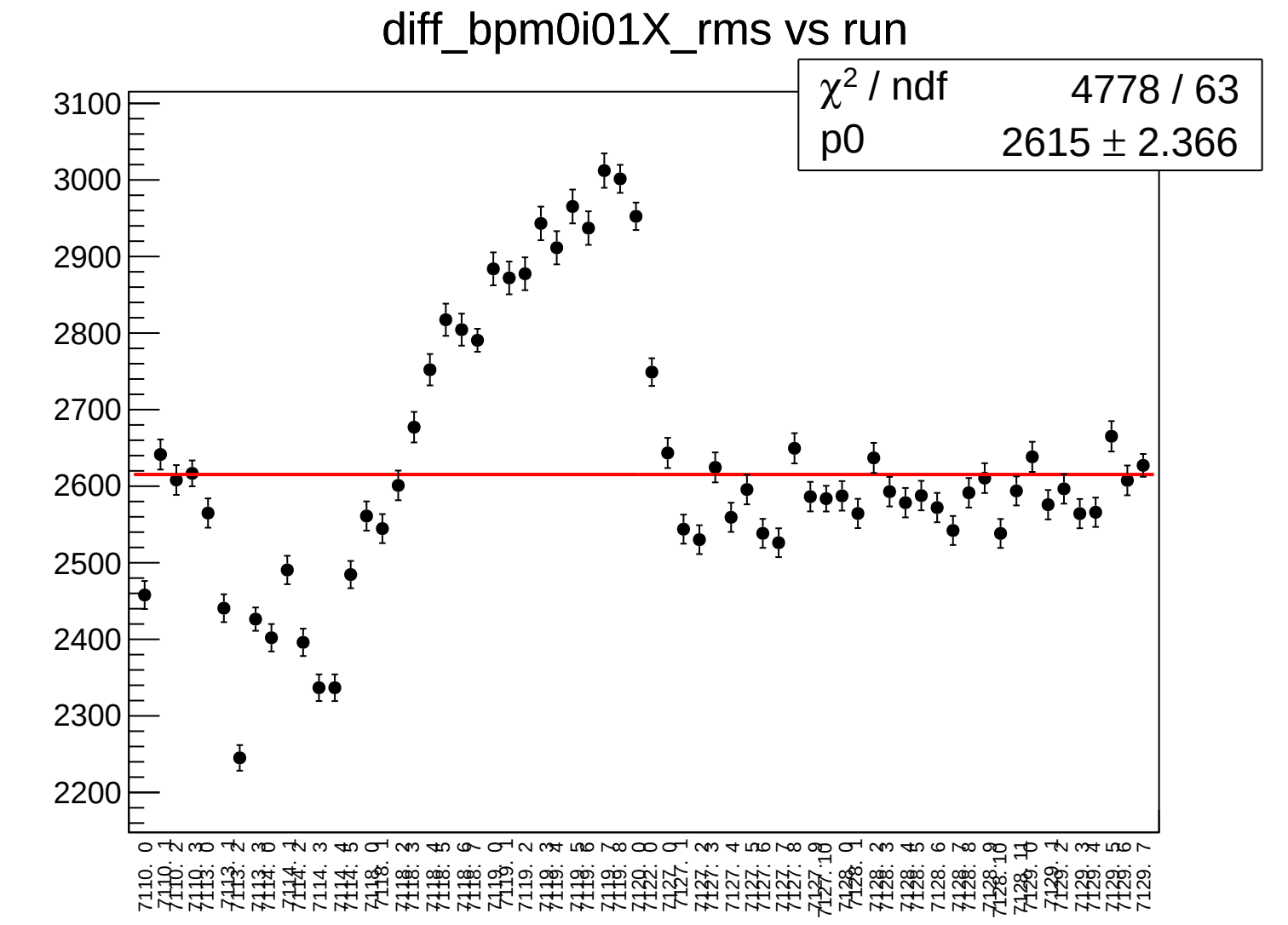

diff_cav4dY_mean vs run
χ² / ndf 49.21 / 63
p0 162.7 ± 216.1
pull
Entries 64
Mean 20.51
Std Dev 0

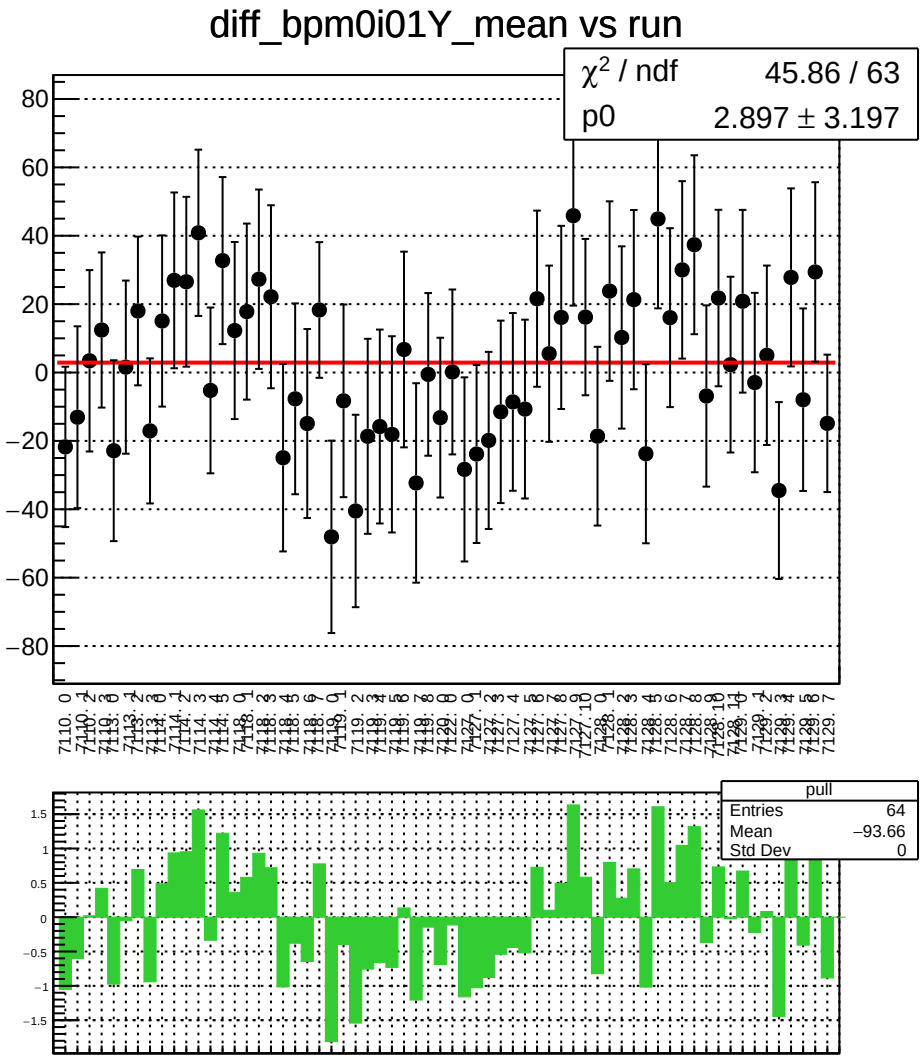

pull1D
Entries 64
Mean 0.009168
Std Dev 0.8768

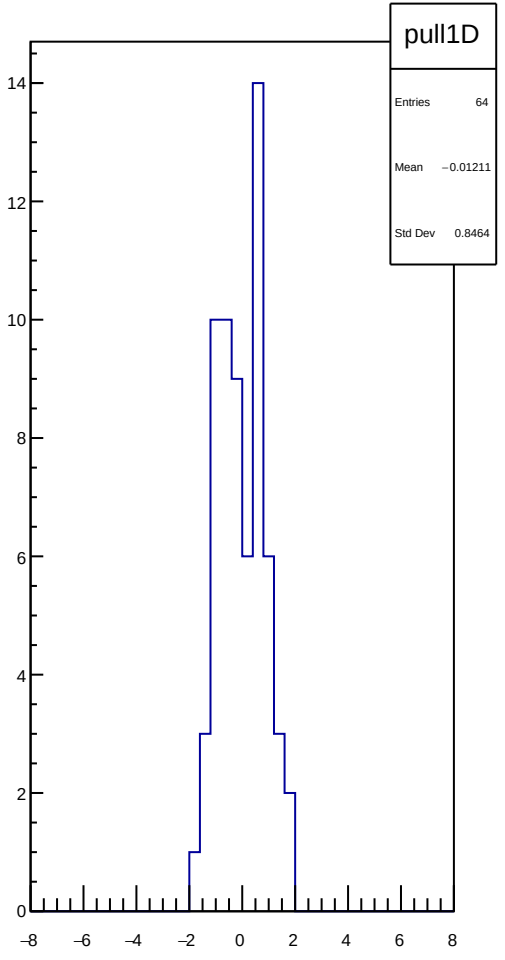

diff_cav4dY_rms vs run
×10^3
χ² / ndf 5664 / 63
p0 1.688e+05 ± 152.8
200
190
180
170
160
150

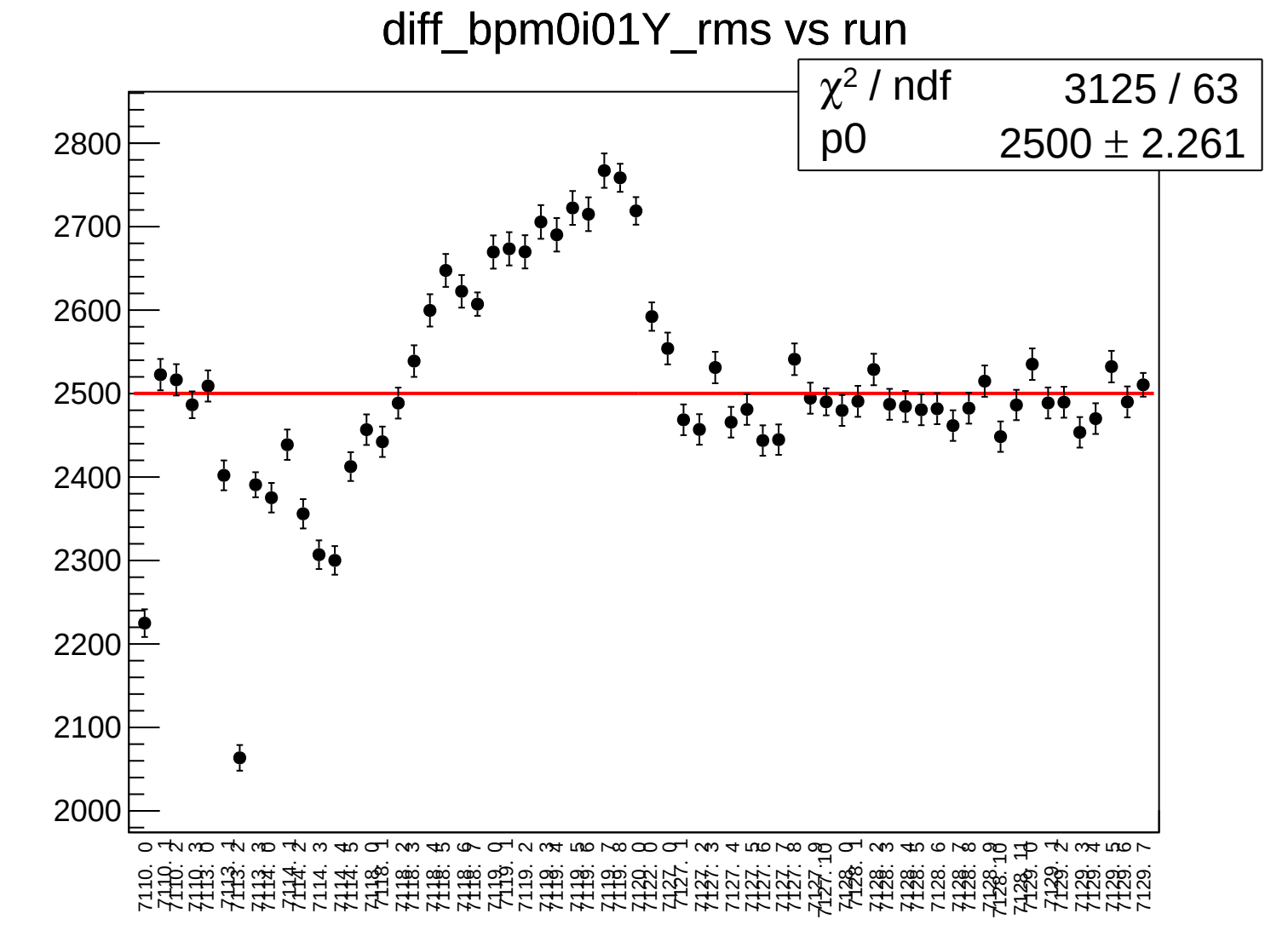

diff_bpm0i01X_mean vs run
χ² / ndf 49.51 / 63
p0 4.507 ± 3.347
pull
Entries 64
Mean 148
Std Dev 0

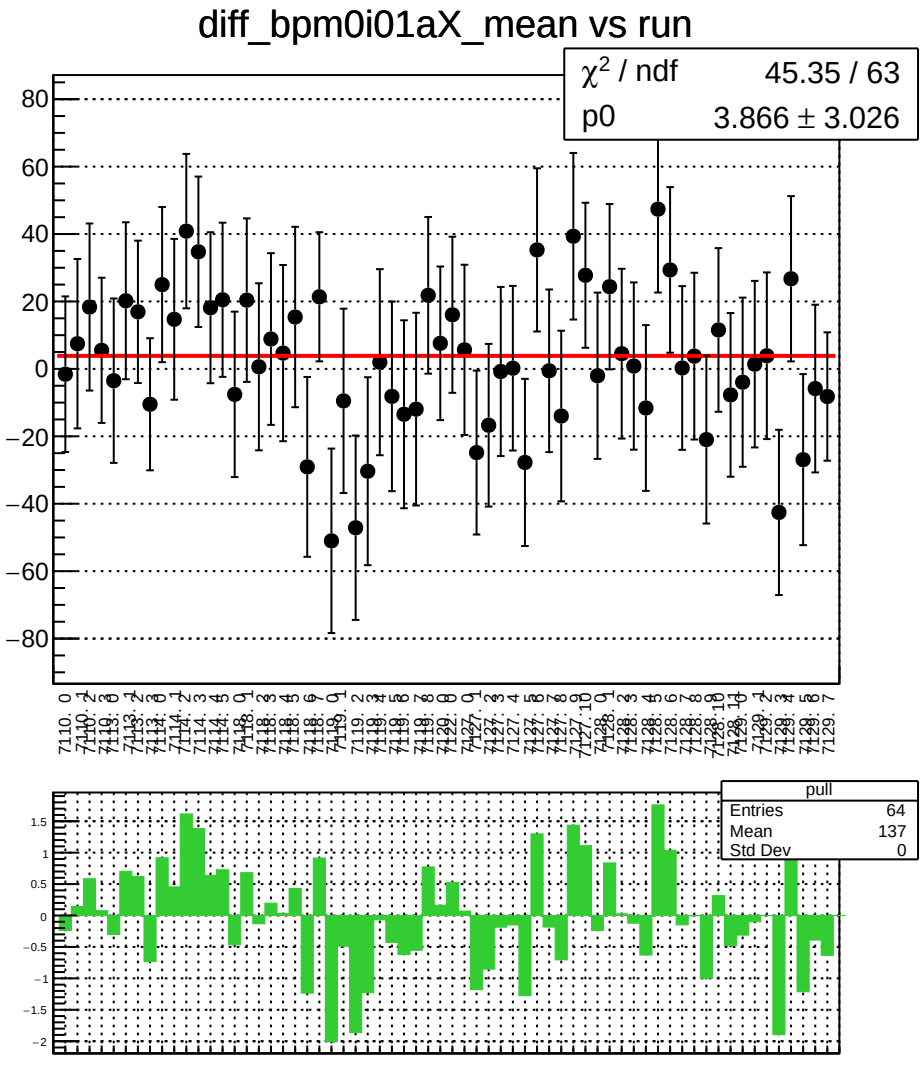

pull1D
Entries 64
Mean −0.03266
Std Dev 0.8789

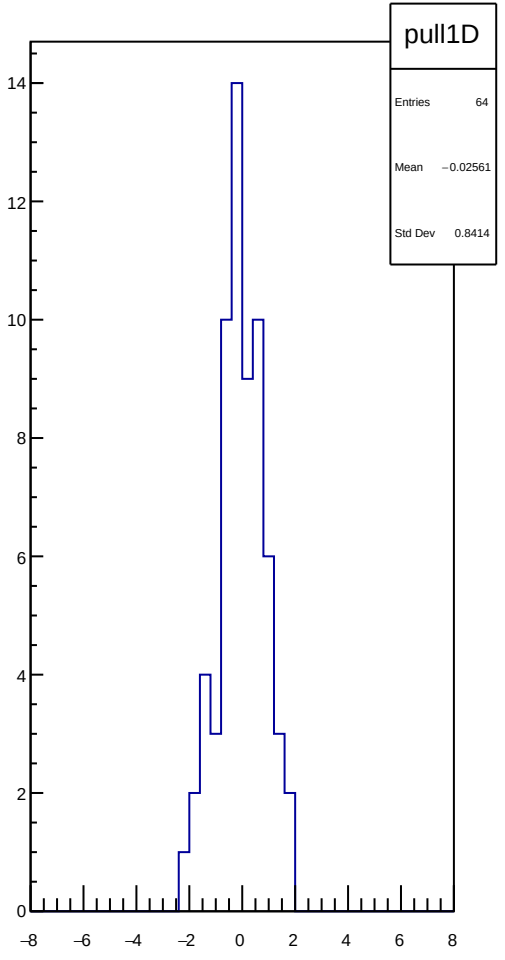

diff_bpm0i01X_rms vs run
χ² / ndf 4778 / 63
p0 2615 ± 2.366
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

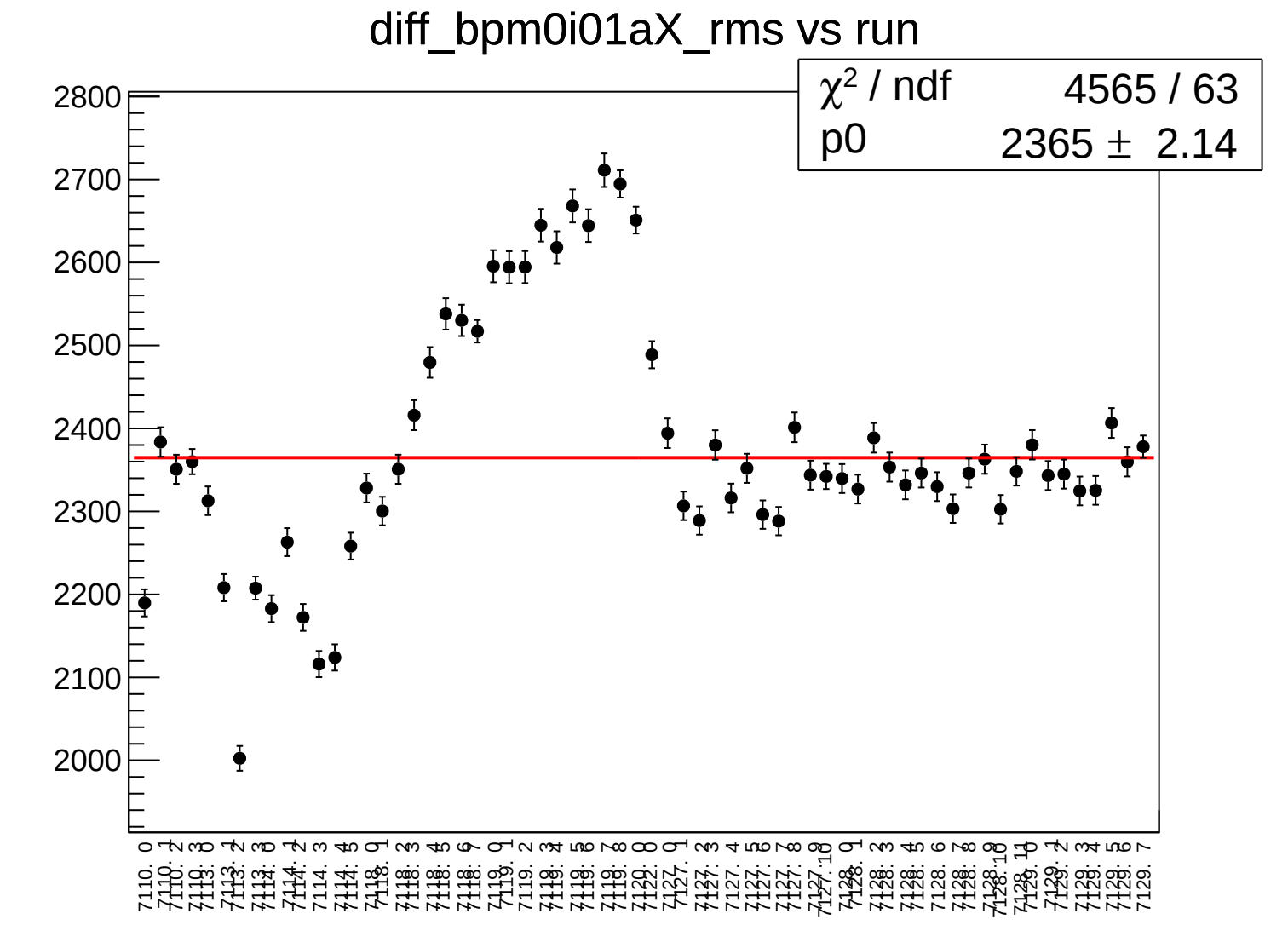

diff_bpm0i01Y_mean vs run
χ² / ndf 45.86 / 63
p0 2.897 ± 3.197
pull
Entries 64
Mean −93.66
Std Dev 0

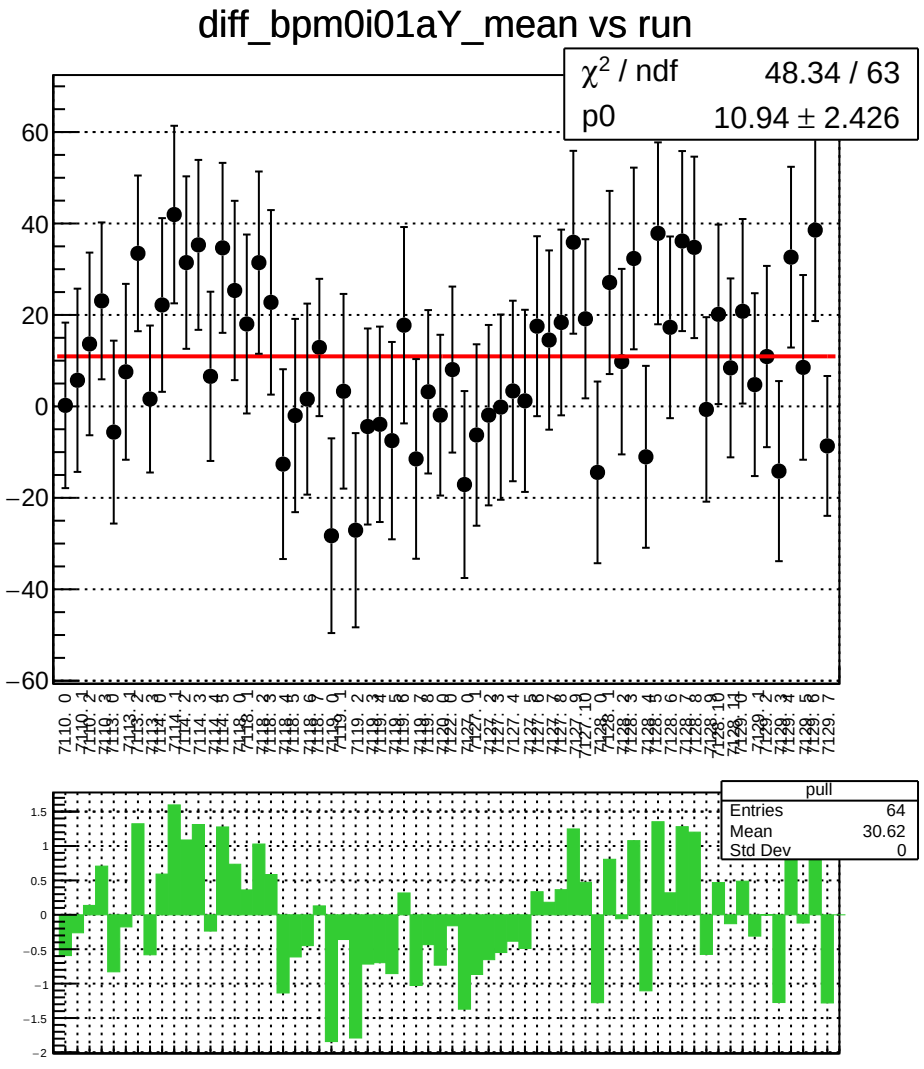

pull1D
Entries 64
Mean −0.01211
Std Dev 0.8464

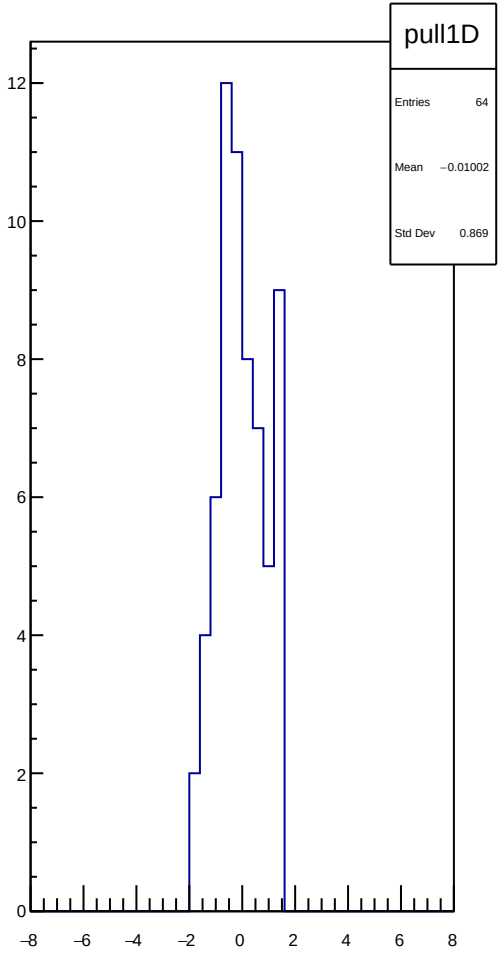

diff_bpm0i01Y_rms vs run
χ² / ndf 3125 / 63
p0 2500 ± 2.261
2800
2700
2600
2500
2400
2300
2200
2100
2000

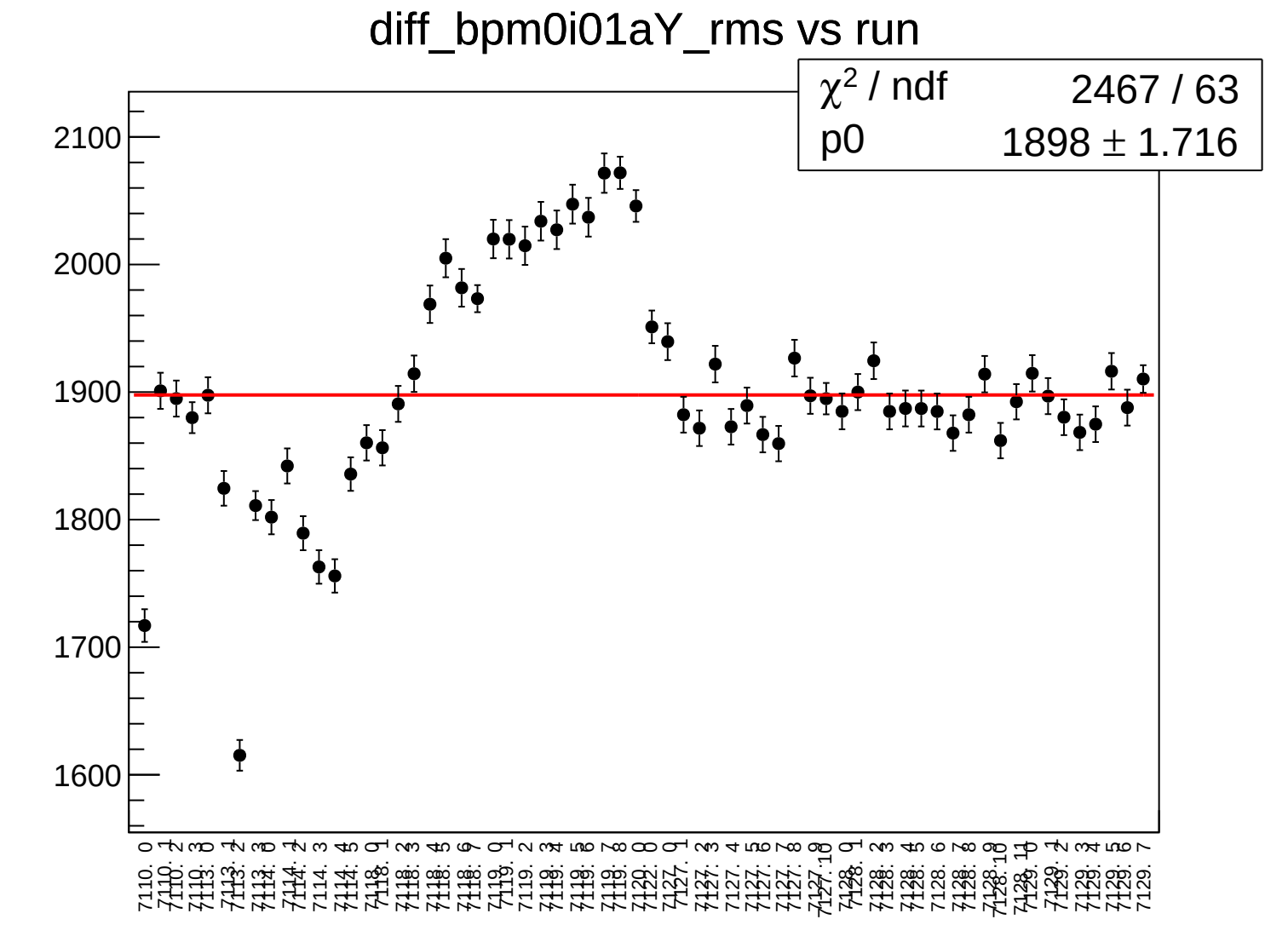

diff_bpm0i01aX_mean vs run
χ² / ndf 45.35 / 63
p0 3.866 ± 3.026
pull
Entries 64
Mean 137
Std Dev 0

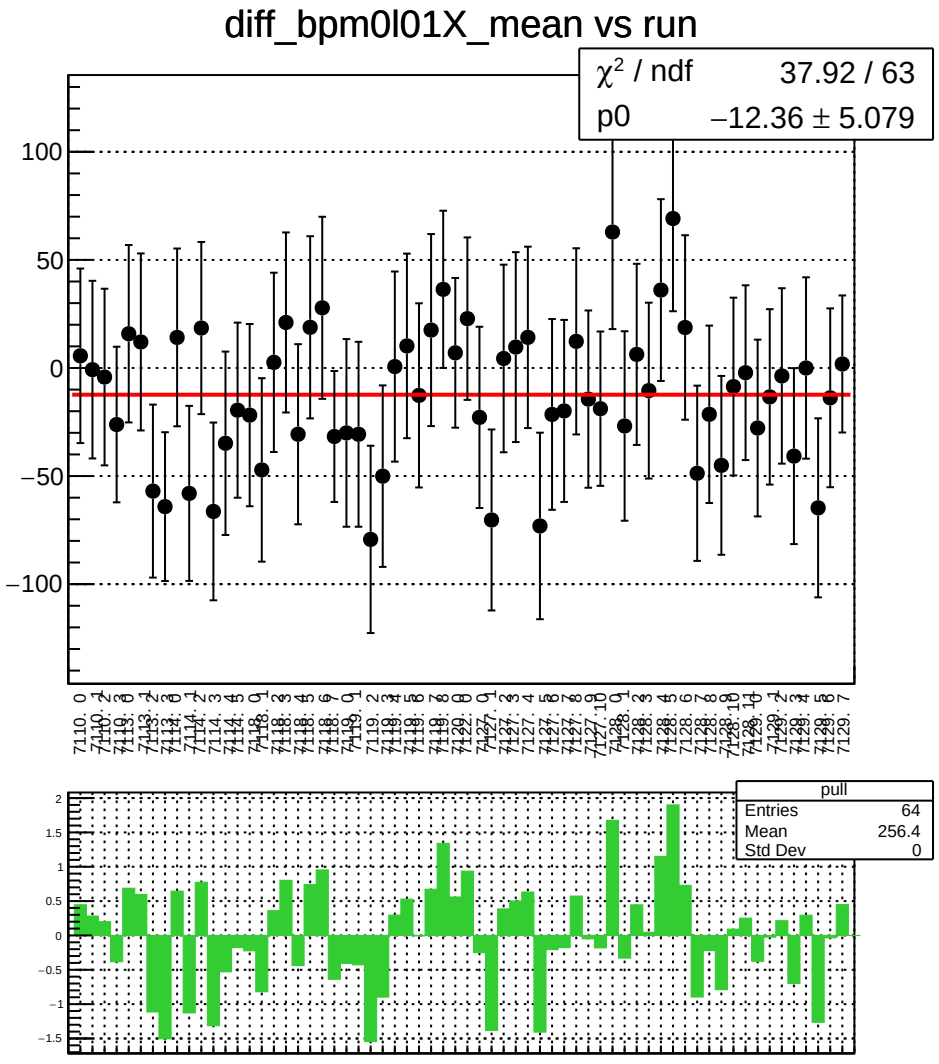

pull1D
Entries 64
Mean −0.02561
Std Dev 0.8414

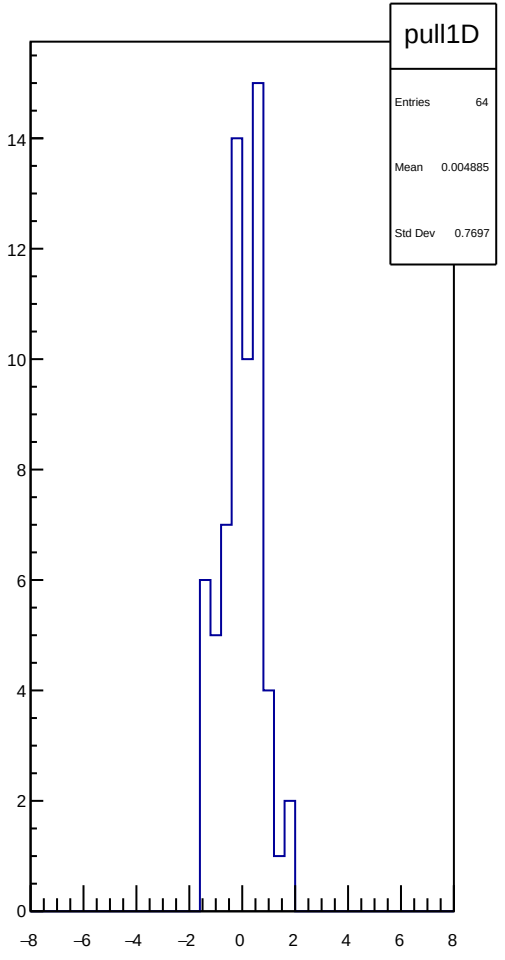

diff_bpm0i01aX_rms vs run
χ² / ndf 4565 / 63
p0 2365 ± 2.14
2800
2700
2600
2500
2400
2300
2200
2100
2000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

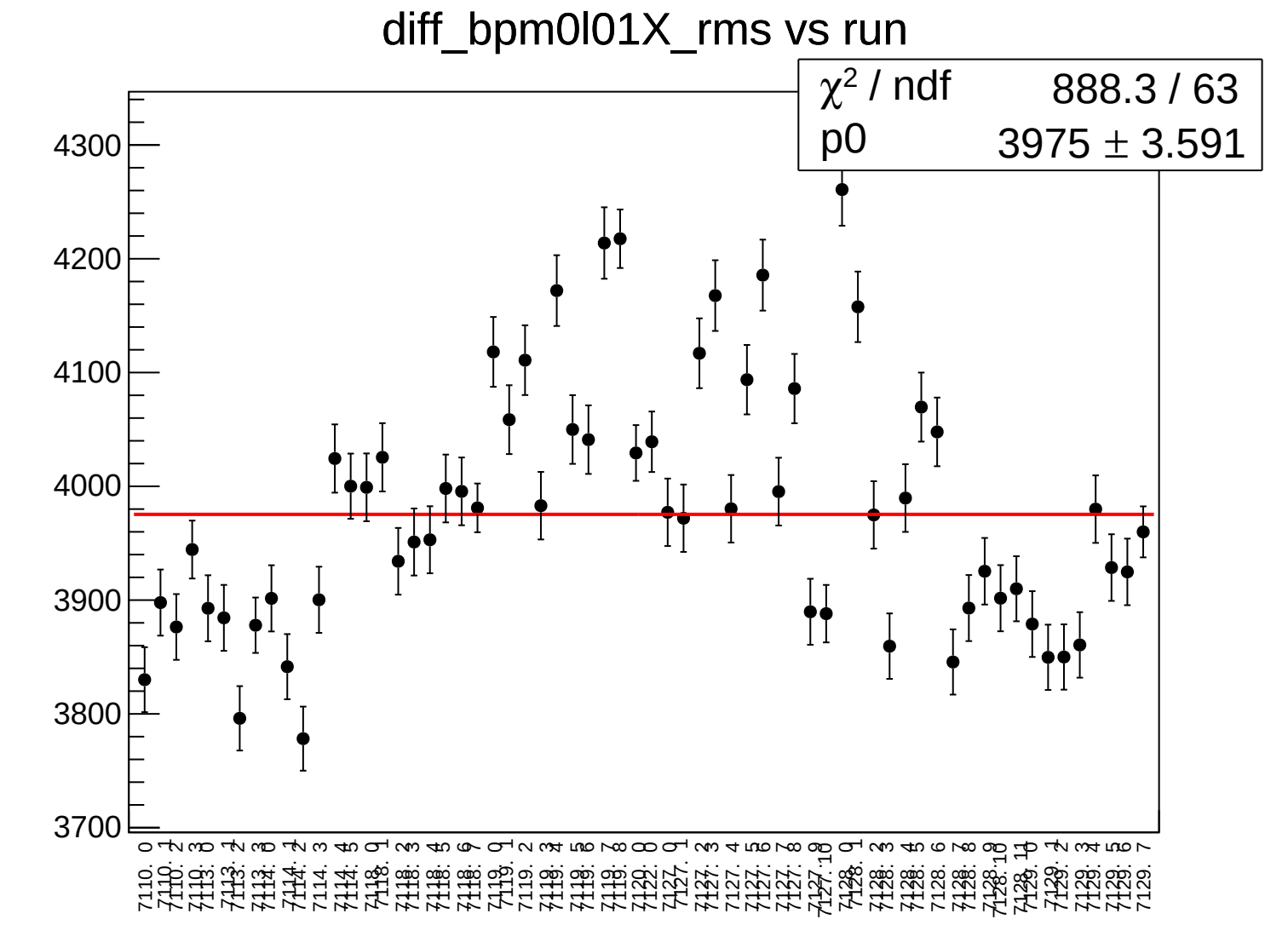

diff_bpm0i01aY_mean vs run
χ² / ndf 48.34 / 63
p0 10.94 ± 2.426
pull
Entries 64
Mean 30.62
Std Dev 0

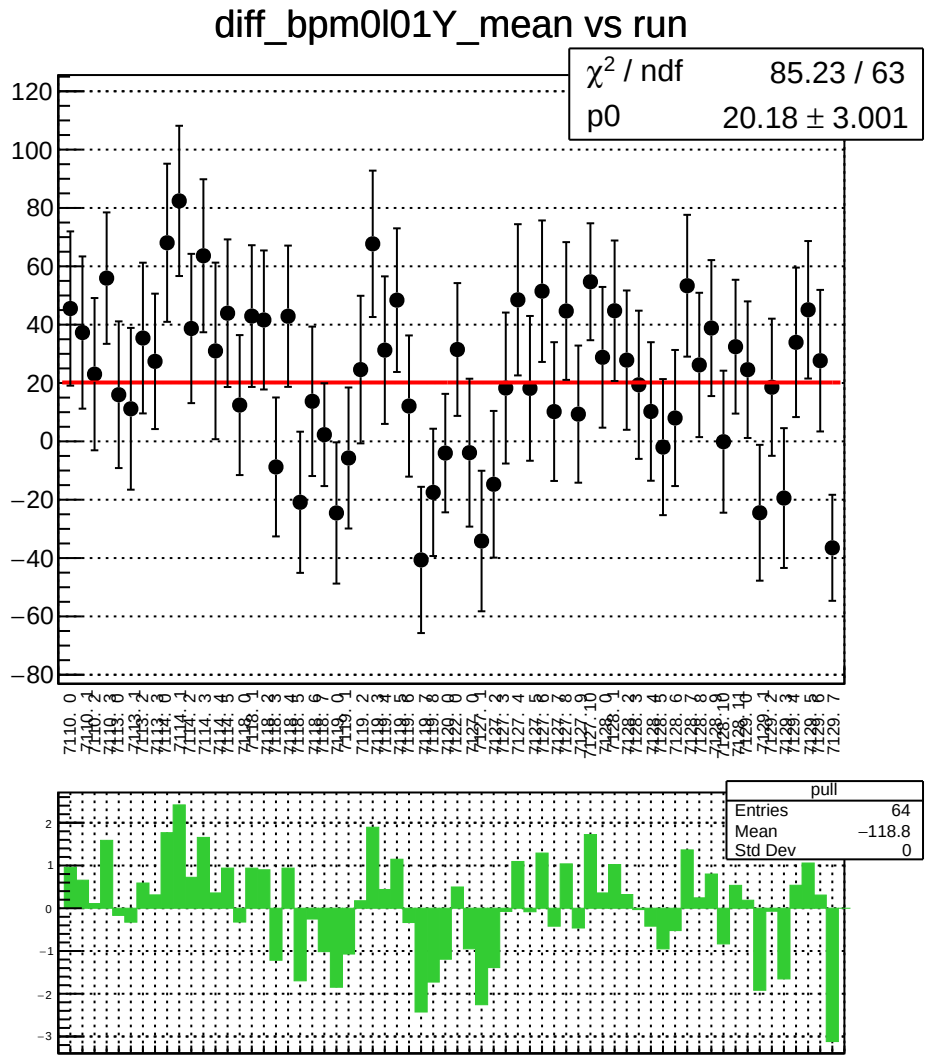

pull1D
Entries 64
Mean −0.01002
Std Dev 0.869

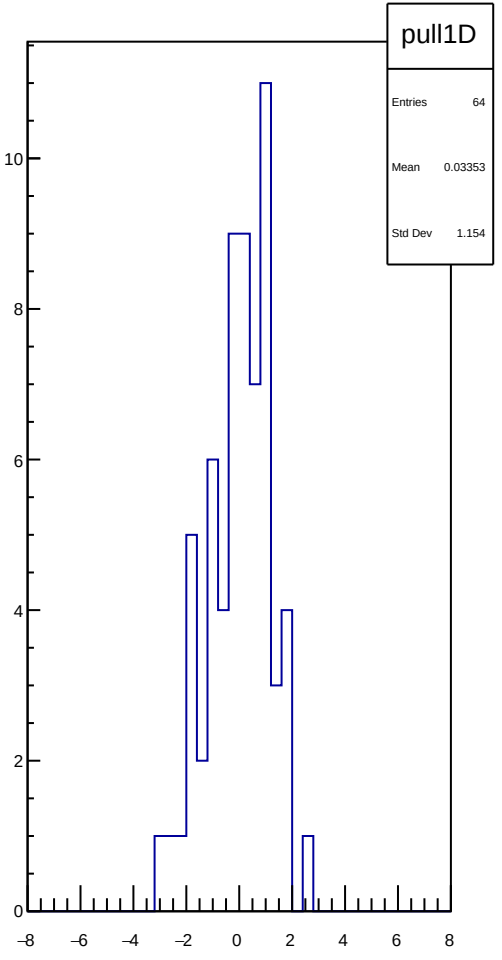

diff_bpm0i01aY_rms vs run
χ² / ndf 2467 / 63
p0 1898 ± 1.716
2100
2000
1900
1800
1700
1600

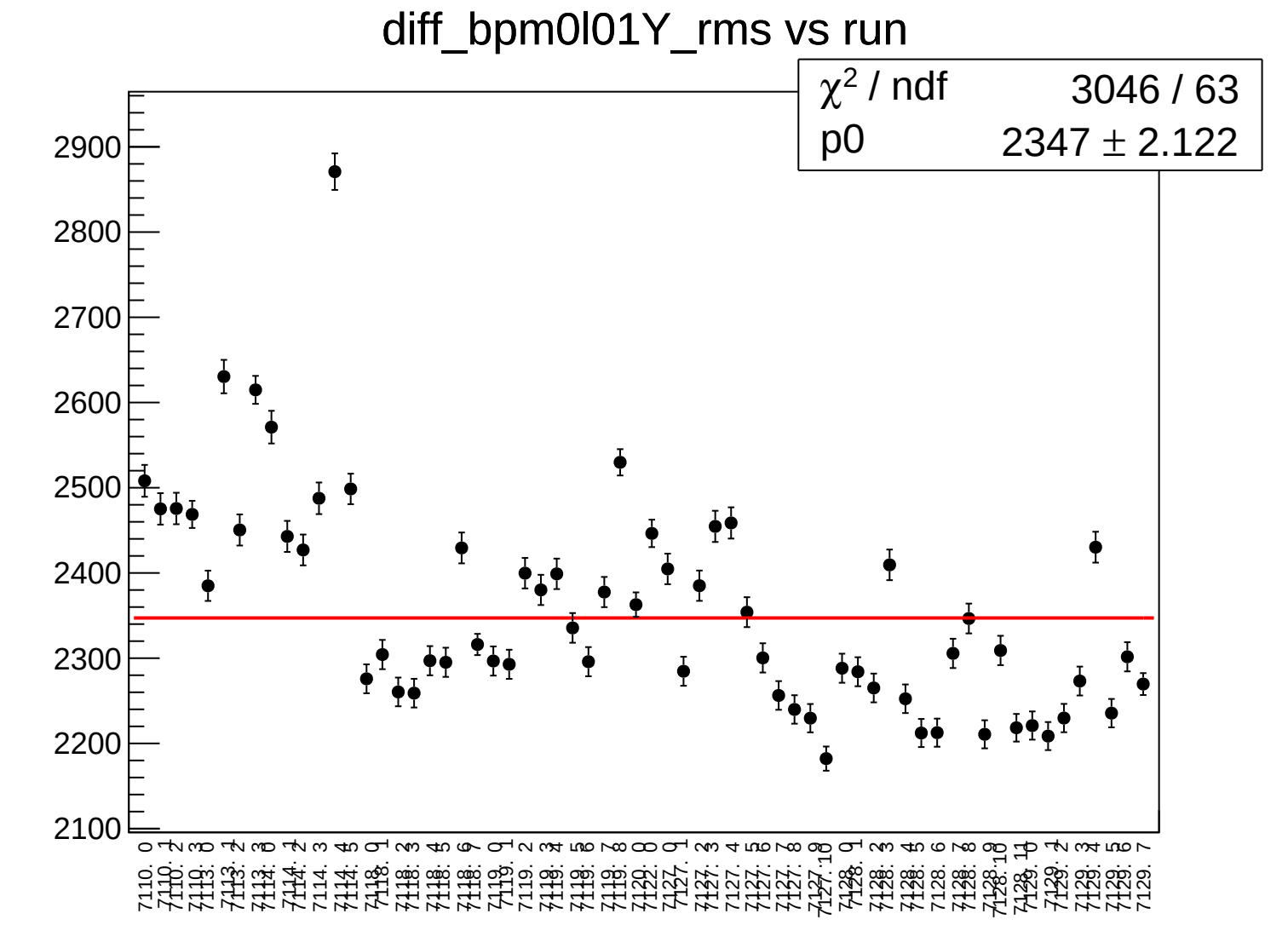

diff_bpm0l01X_mean vs run
χ² / ndf 37.92 / 63
p0 −12.36 ± 5.079
pull
Entries 64
Mean 256.4
Std Dev 0

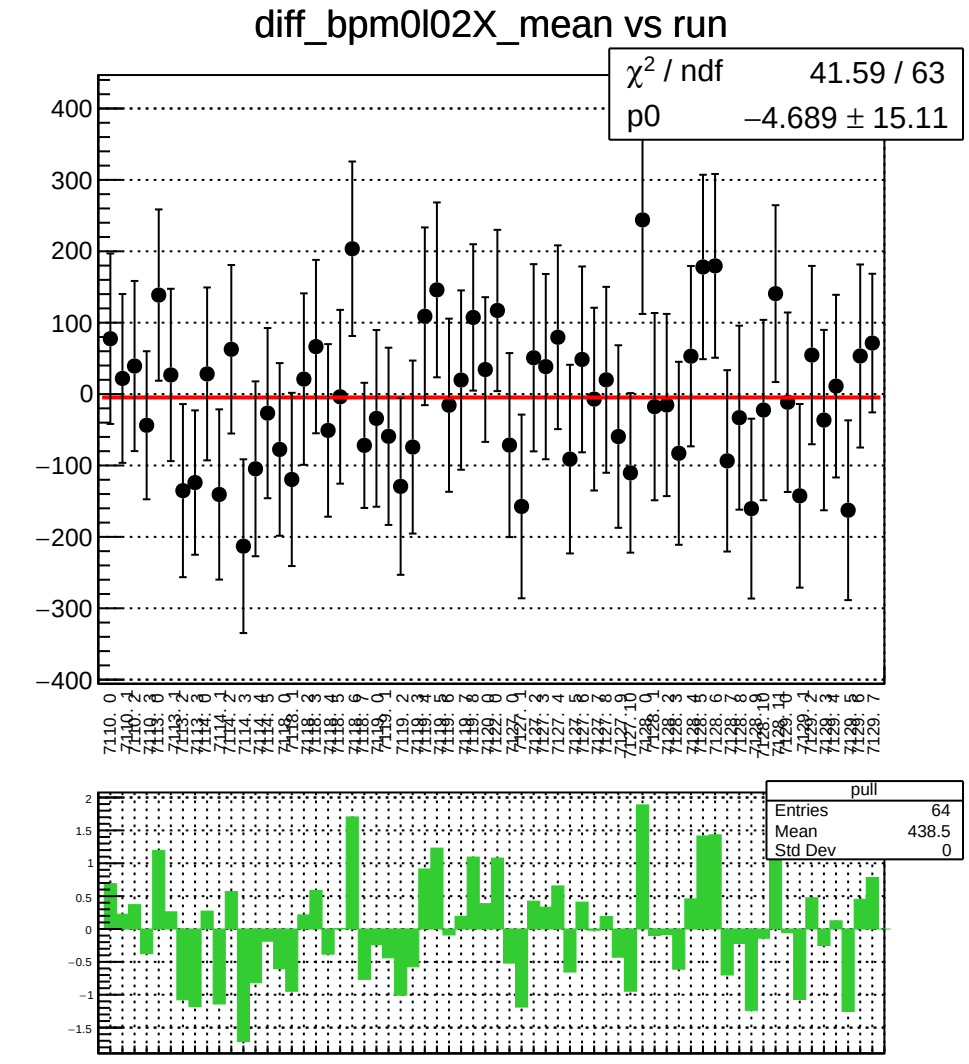

pull1D
Entries 64
Mean 0.004885
Std Dev 0.7697

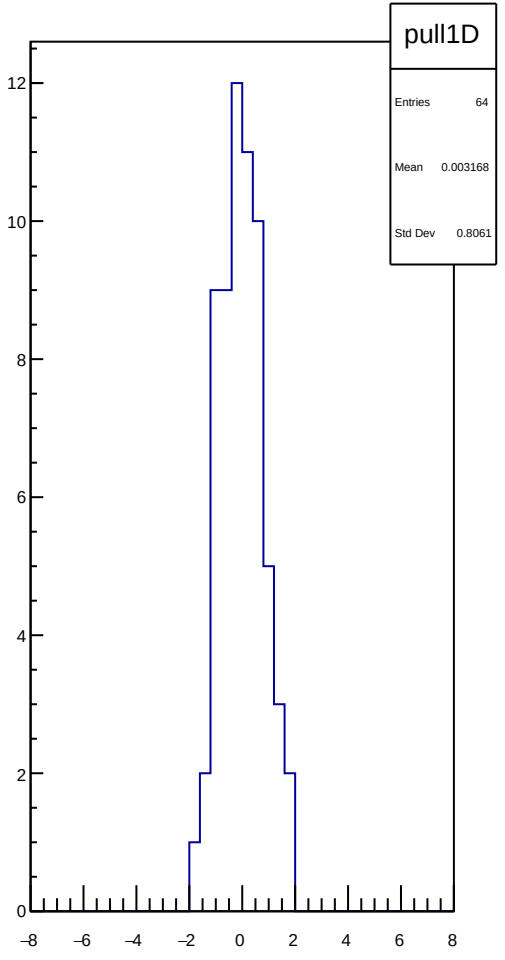

diff_bpm0l01X_rms vs run
χ² / ndf 888.3 / 63
p0 3975 ± 3.591
4300
4200
4100
4000
3900
3800
3700

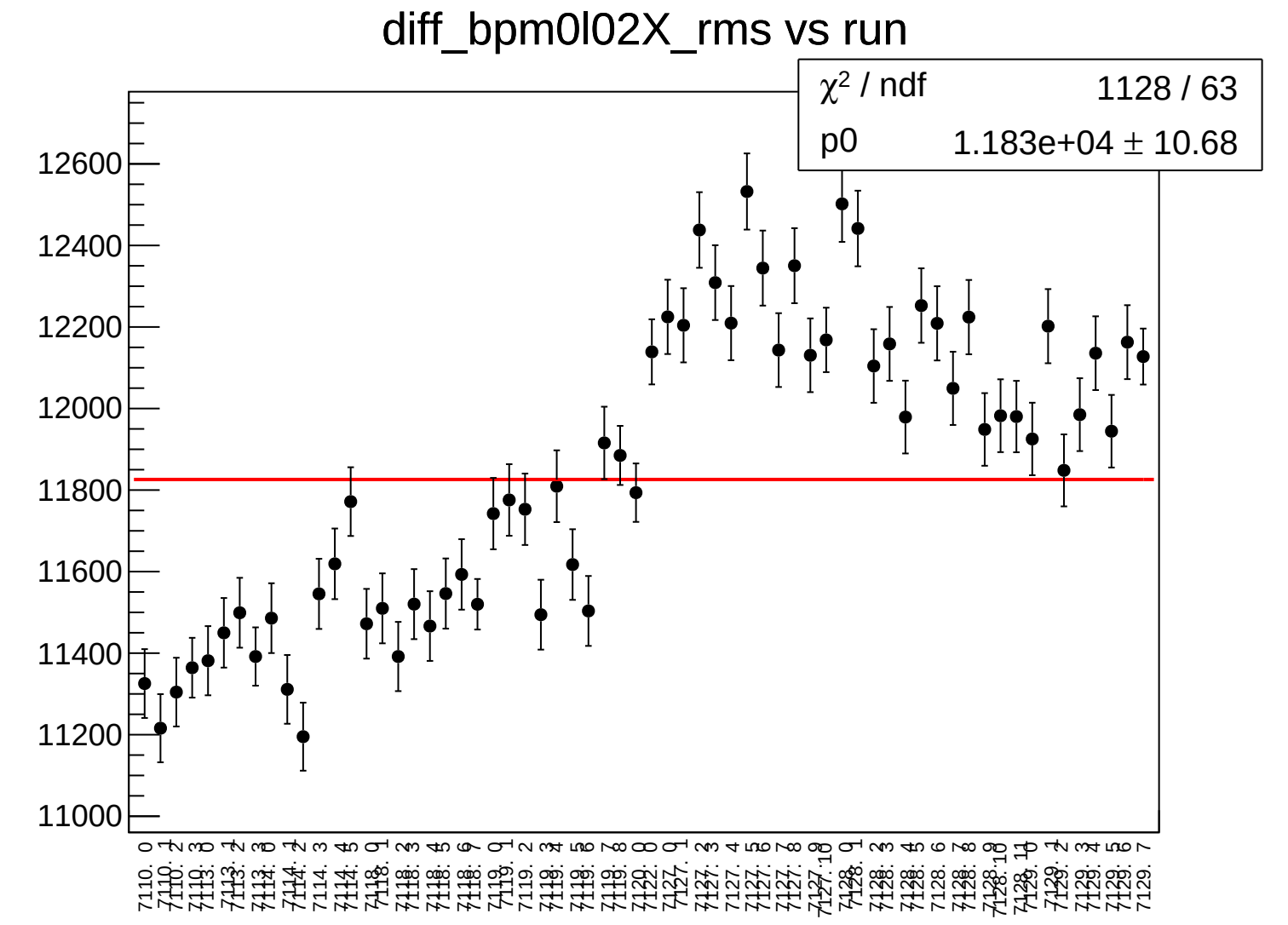

diff_bpm0l01Y_mean vs run
χ^2 / ndf 85.23 / 63
p0 20.18 ± 3.001
pull
Entries 64
Mean −118.8
Std Dev 0

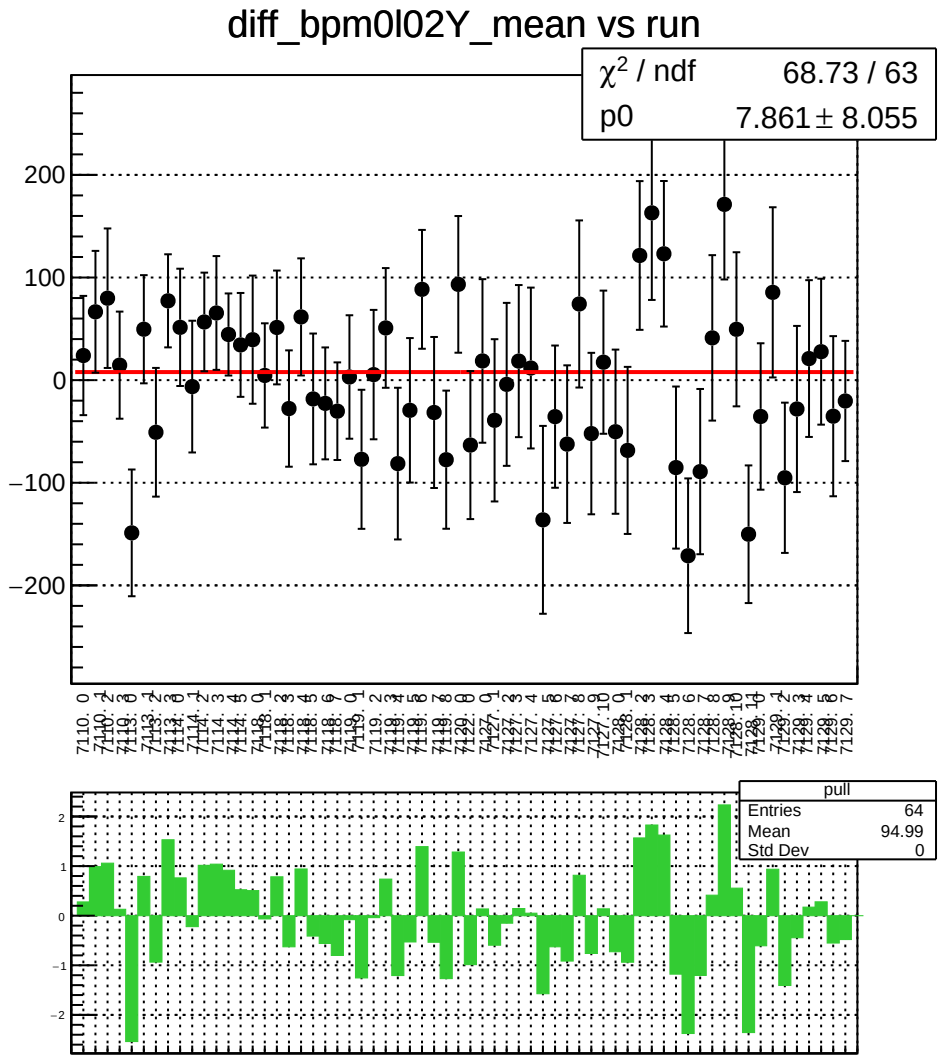

pull1D
Entries 64
Mean 0.03353
Std Dev 1.154

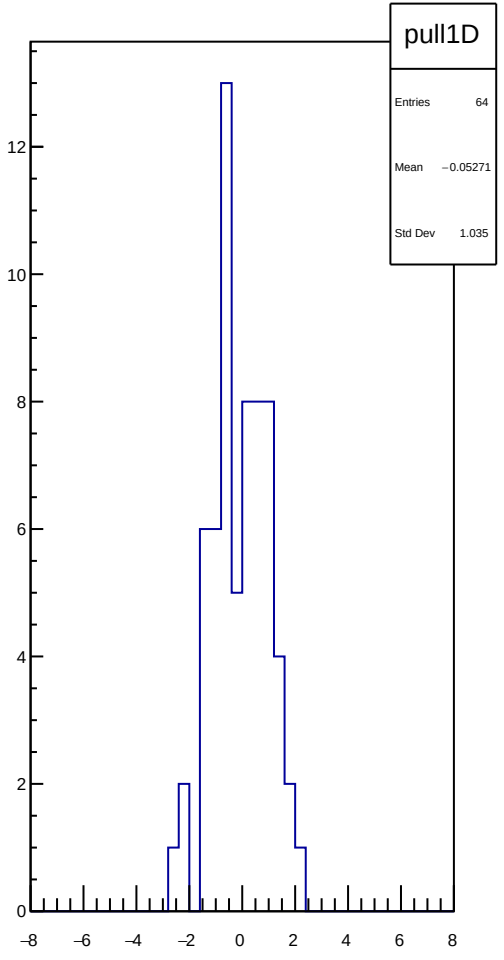

diff_bpm0l01Y_rms vs run
χ² / ndf 3046 / 63
p0 2347 ± 2.122
2900
2800
2700
2600
2500
2400
2300
2200
2100

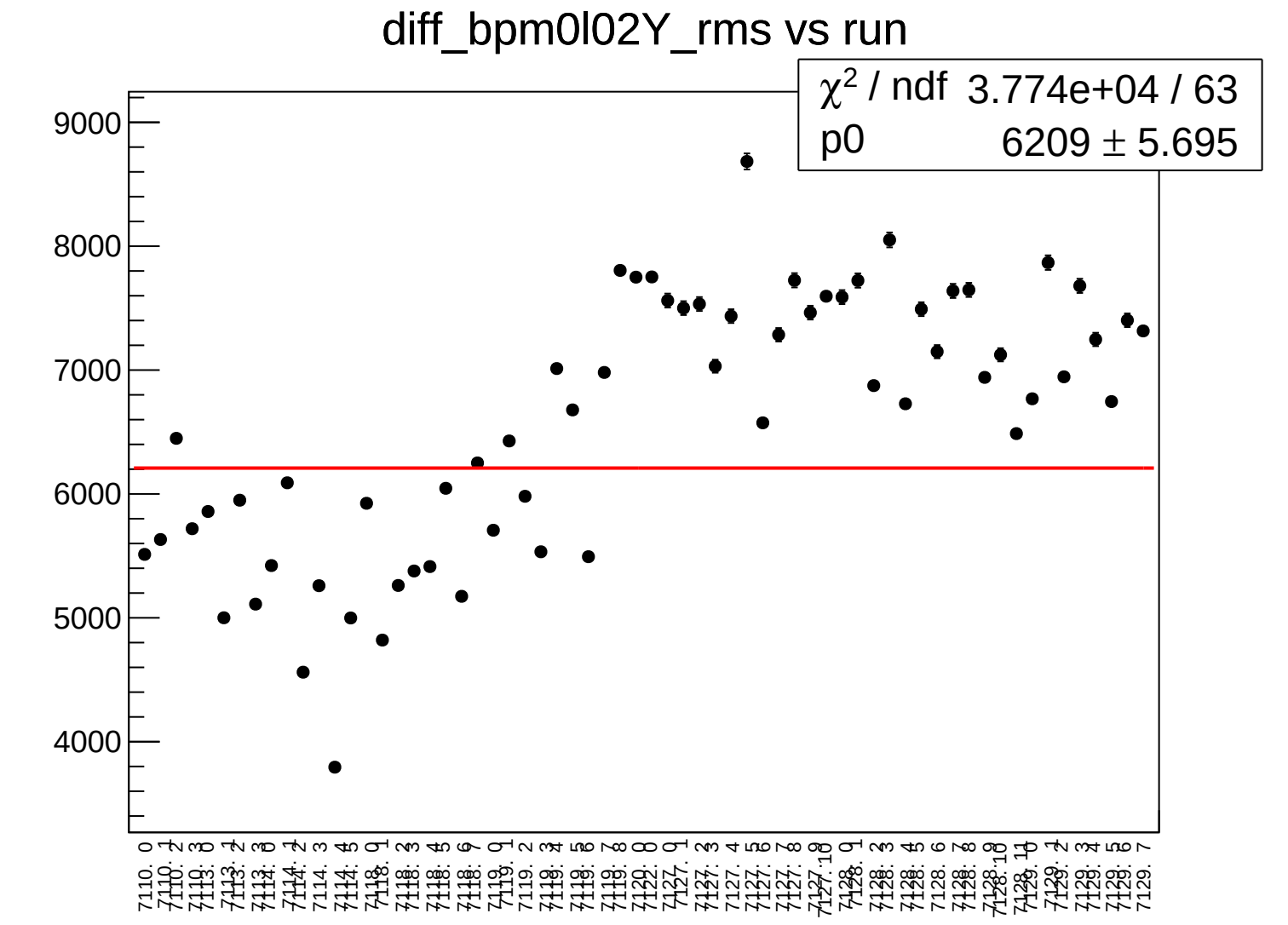

diff_bpm0l02X_mean vs run
χ² / ndf 41.59 / 63
p0 −4.689 ± 15.11
pull
Entries 64
Mean 438.5
Std Dev 0

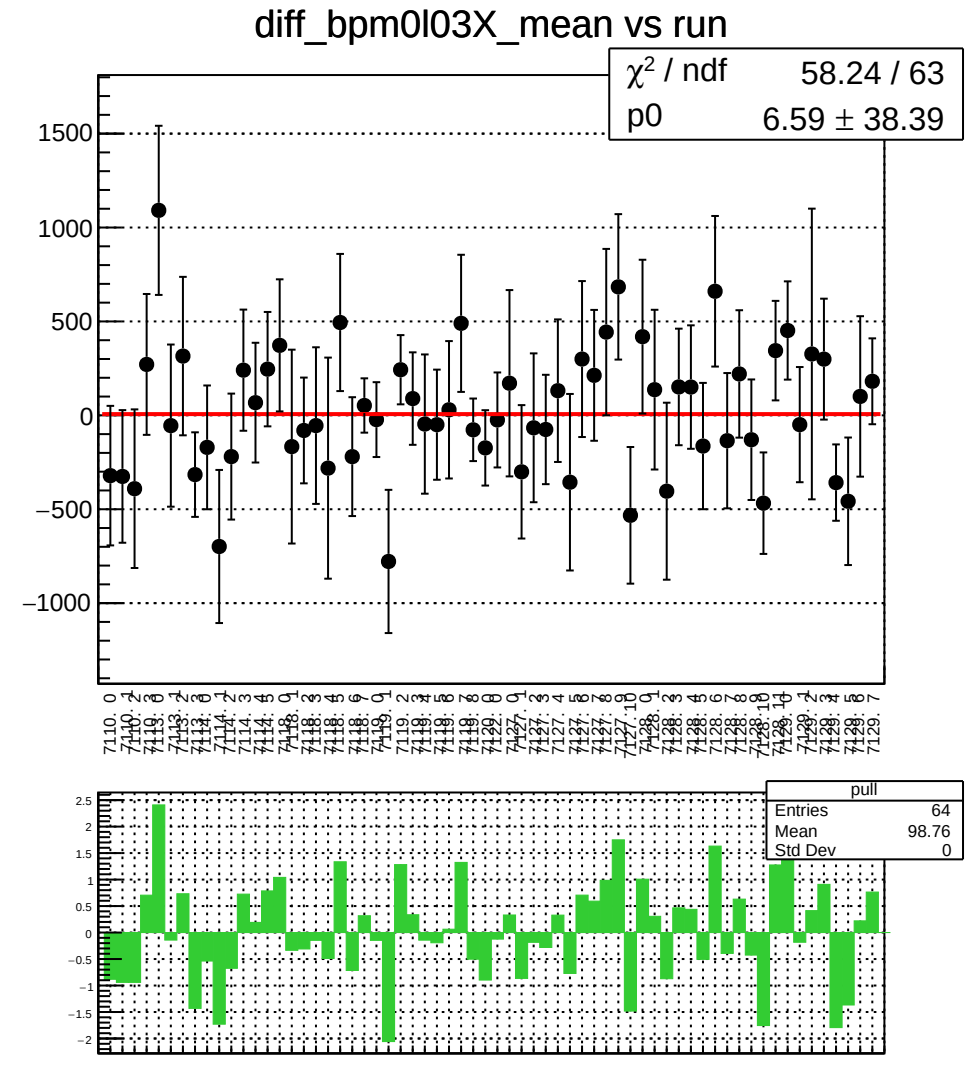

pull1D
Entries 64
Mean 0.003168
Std Dev 0.8061

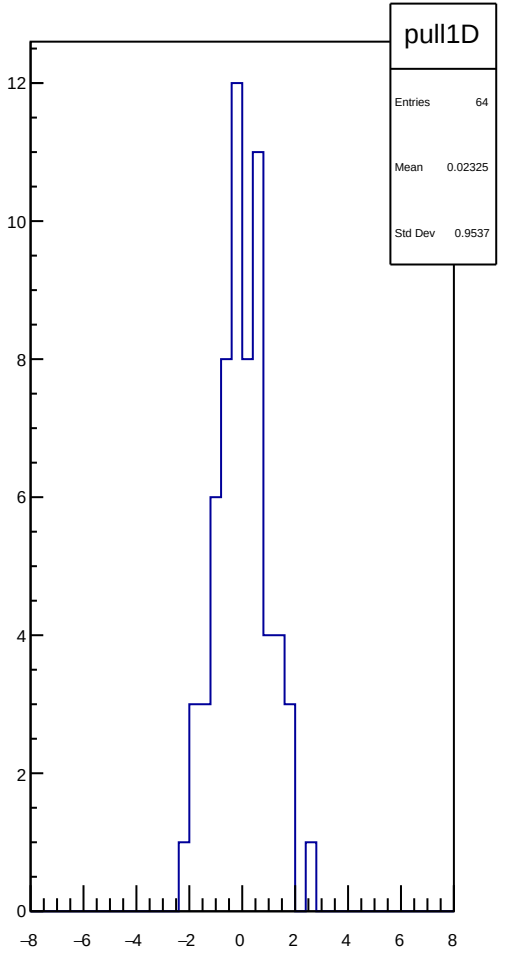

diff_bpm0l02X_rms vs run
χ² / ndf 1128 / 63
p0 1.183e+04 ± 10.68
12600
12400
12200
12000
11800
11600
11400
11200
11000

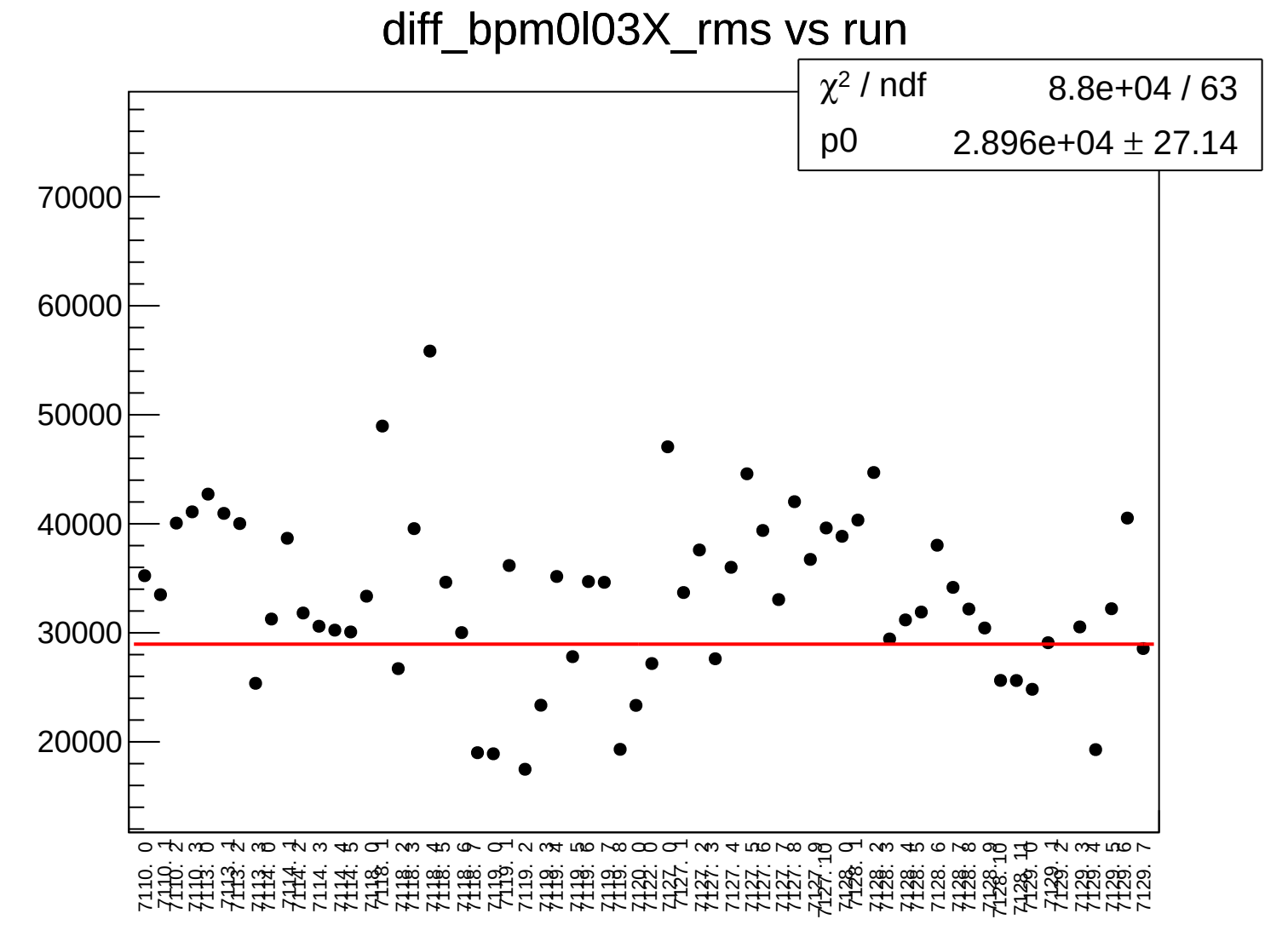

diff_bpm0l02Y_mean vs run
χ² / ndf 68.73 / 63
p0 7.861 ± 8.055
200
100
0
−100
−200
pull
Entries 64
Mean 94.99
Std Dev 0
2
1
0
−1
−2

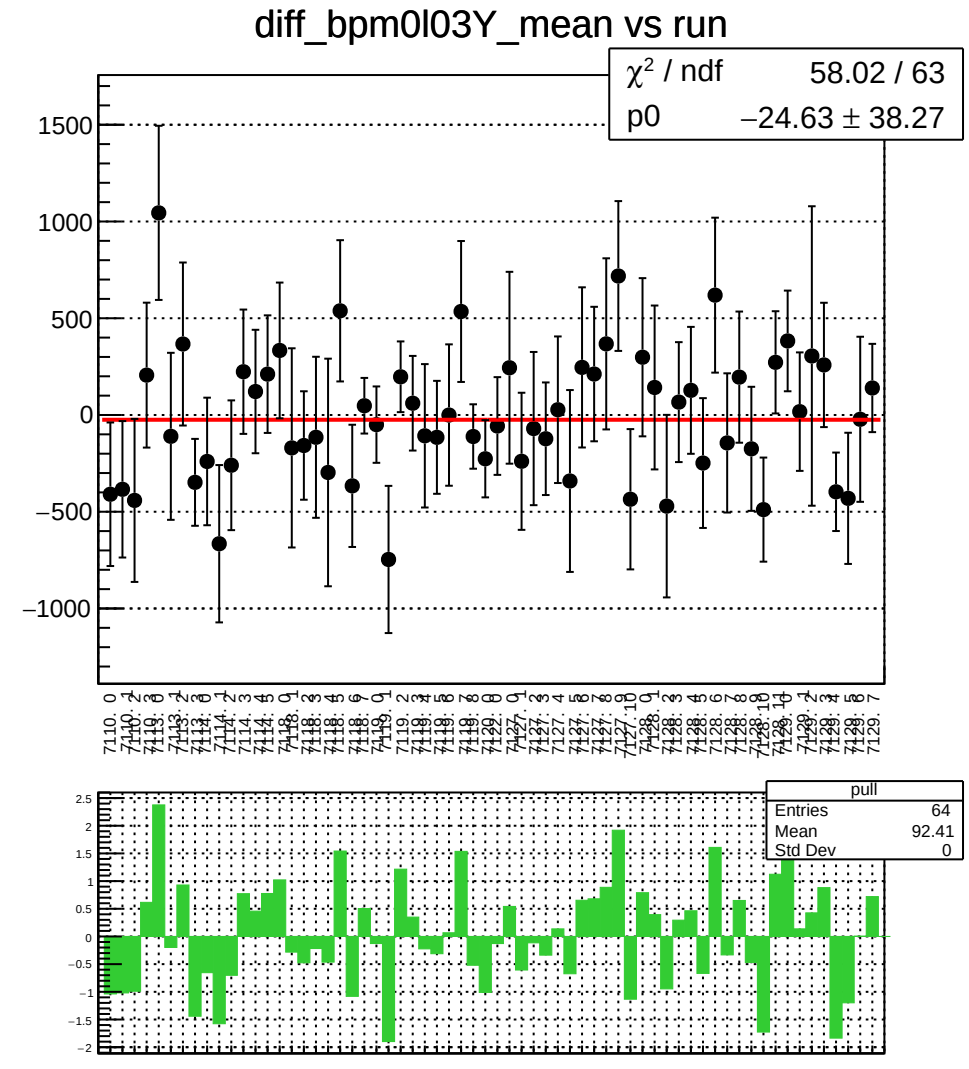

pull1D
Entries 64
Mean −0.05271
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

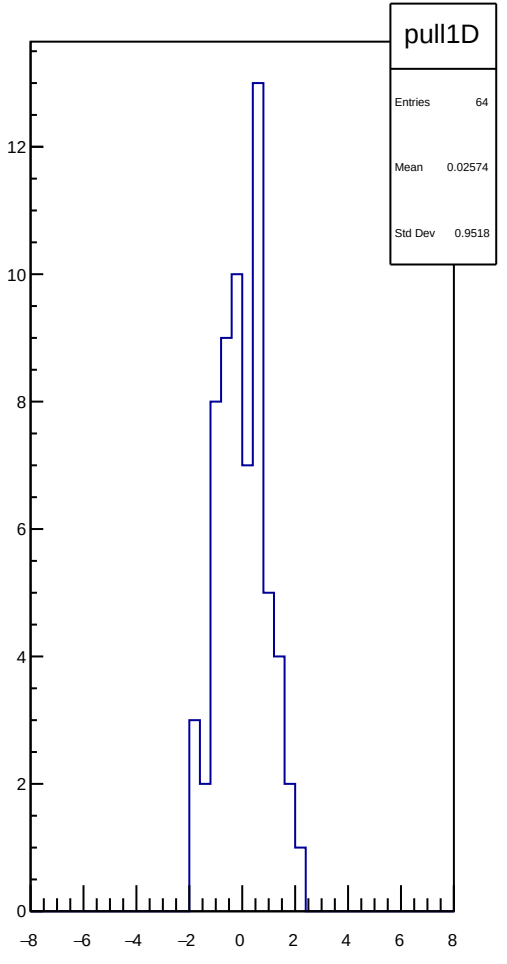

diff_bpm0l02Y_rms vs run
χ² / ndf 3.774e+04 / 63
p0 6209 ± 5.695
9000
8000
7000
6000
5000
4000

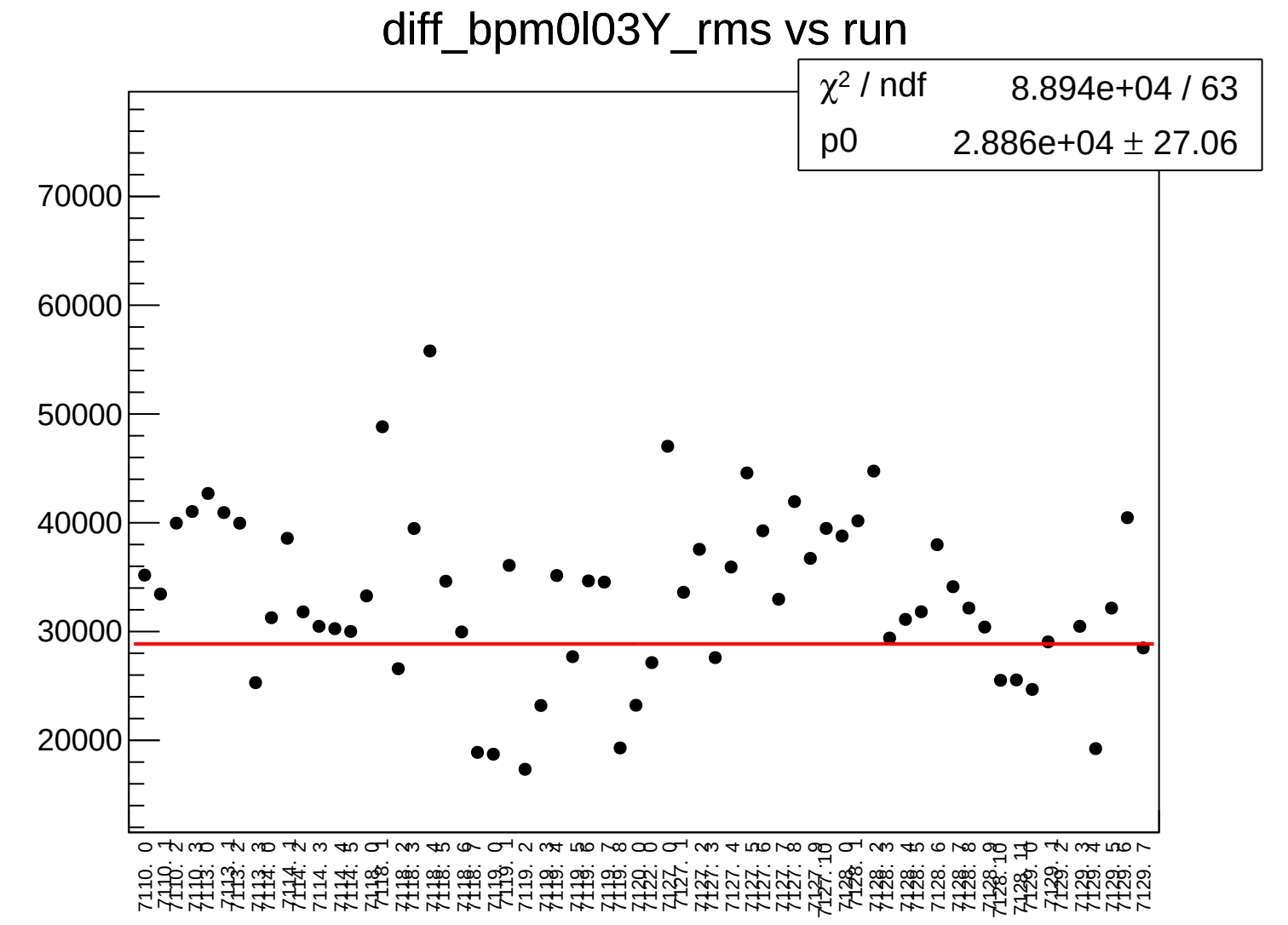

diff_bpm0l03X_mean vs run
χ² / ndf 58.24 / 63
p0 6.59 ± 38.39
1500
1000
500
0
−500
−1000
pull
Entries 64
Mean 98.76
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

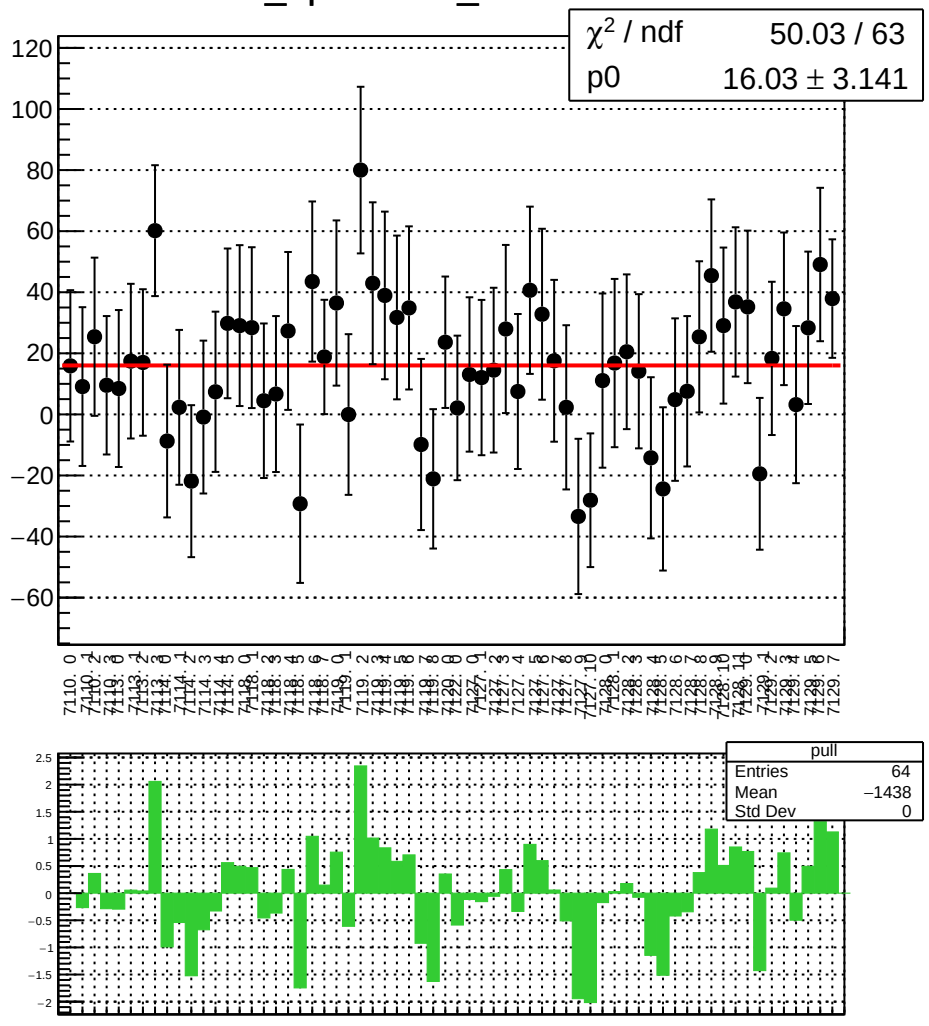

pull1D
Entries 64
Mean 0.02325
Std Dev 0.9537
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

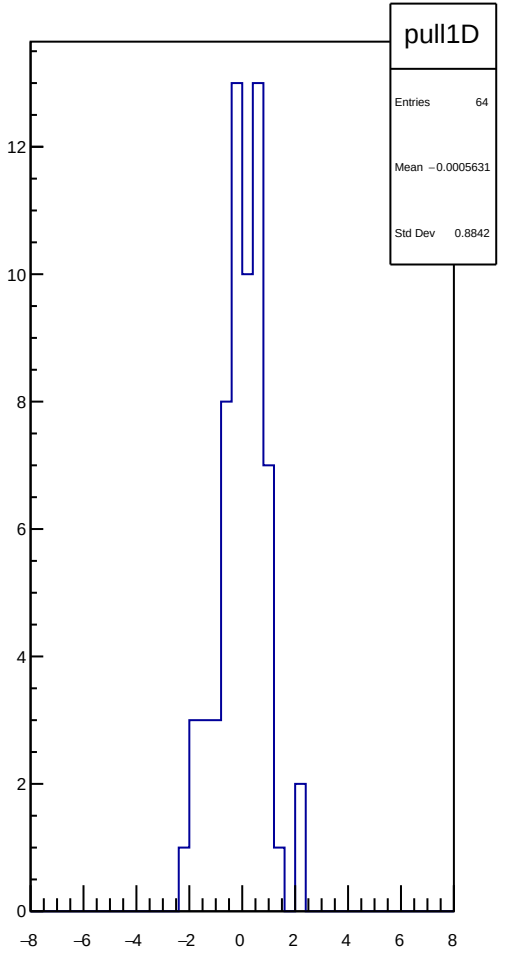

diff_bpm0l03X_rms vs run
χ² / ndf 8.8e+04 / 63
p0 2.896e+04 ± 27.14
70000
60000
50000
40000
30000
20000

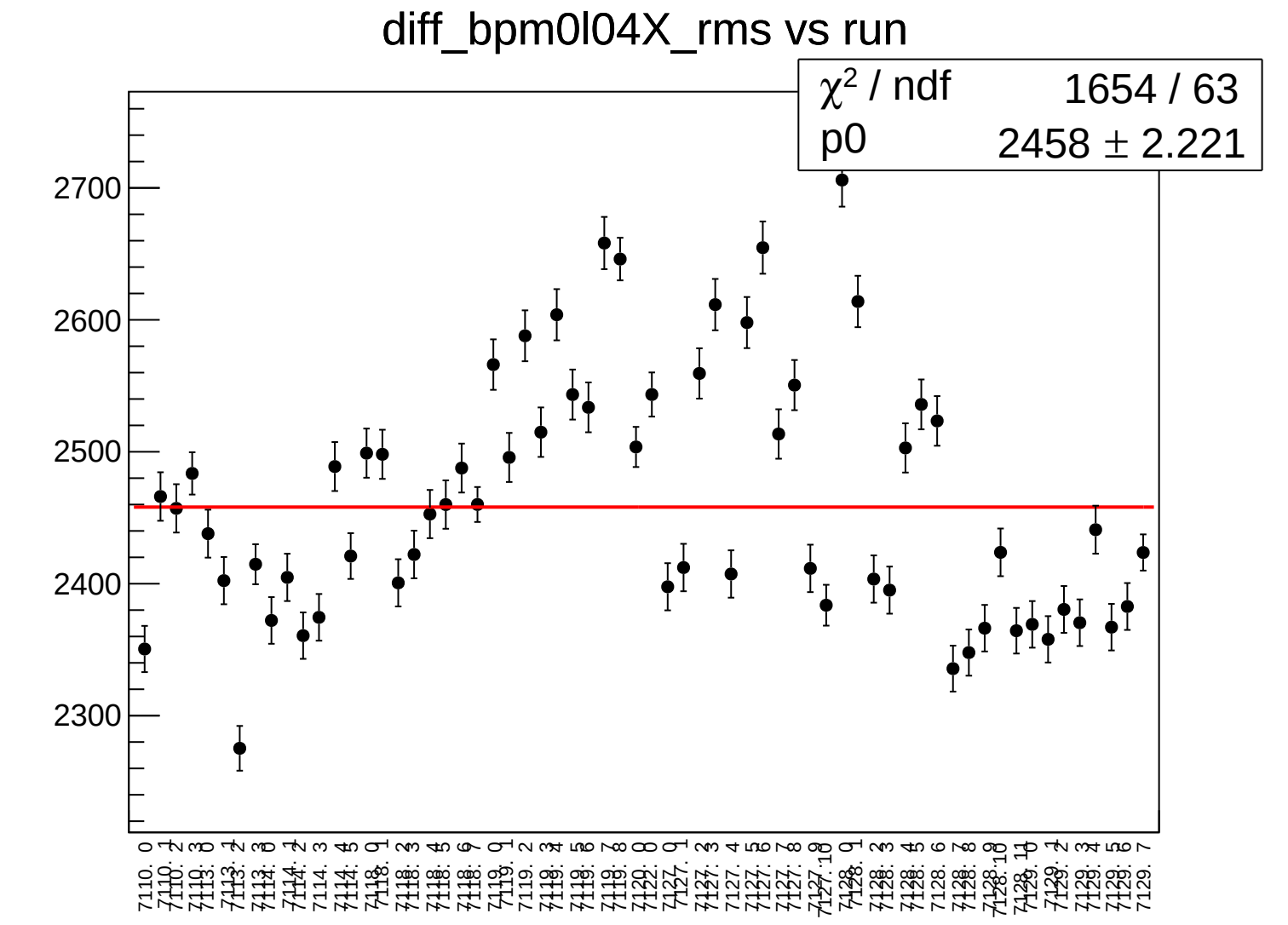

diff_bpm0l03Y_mean vs run
χ² / ndf 58.02 / 63
p0 −24.63 ± 38.27
1500
1000
500
0
−500
−1000
pull
Entries 64
Mean 92.41
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

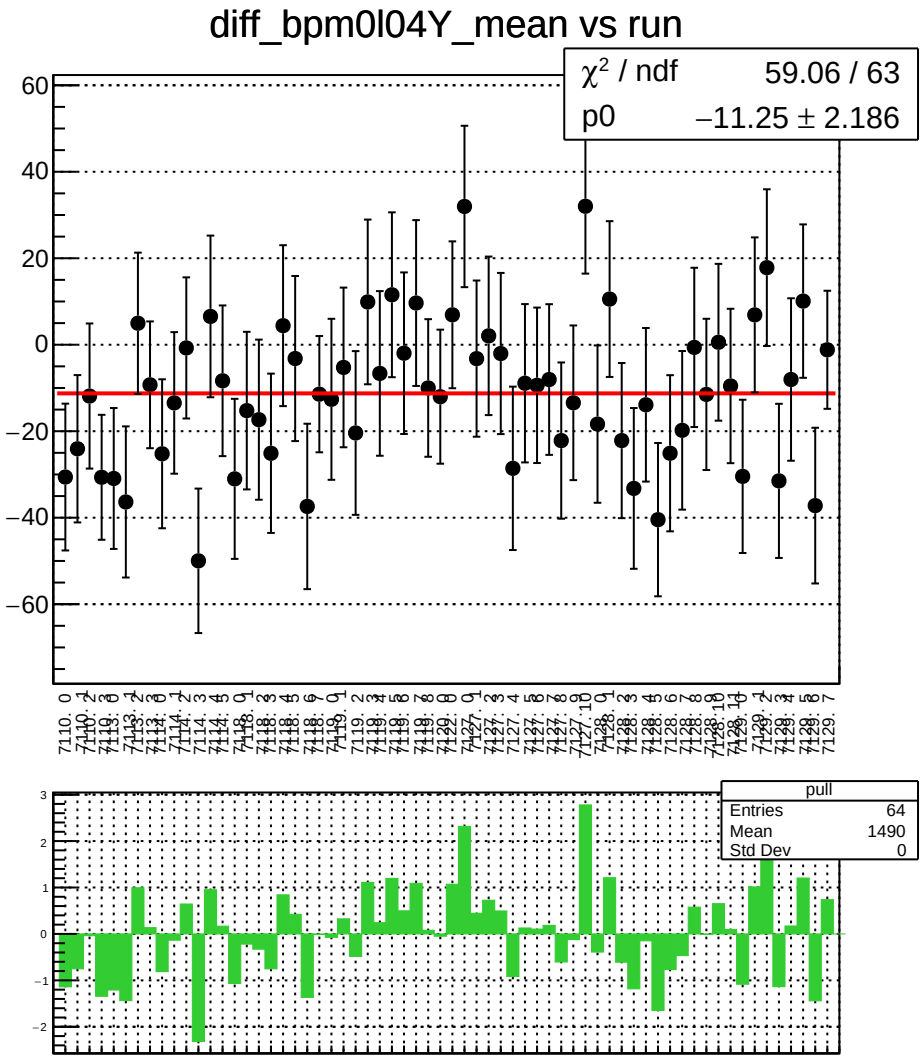

pull1D
Entries 64
Mean 0.02574
Std Dev 0.9518
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

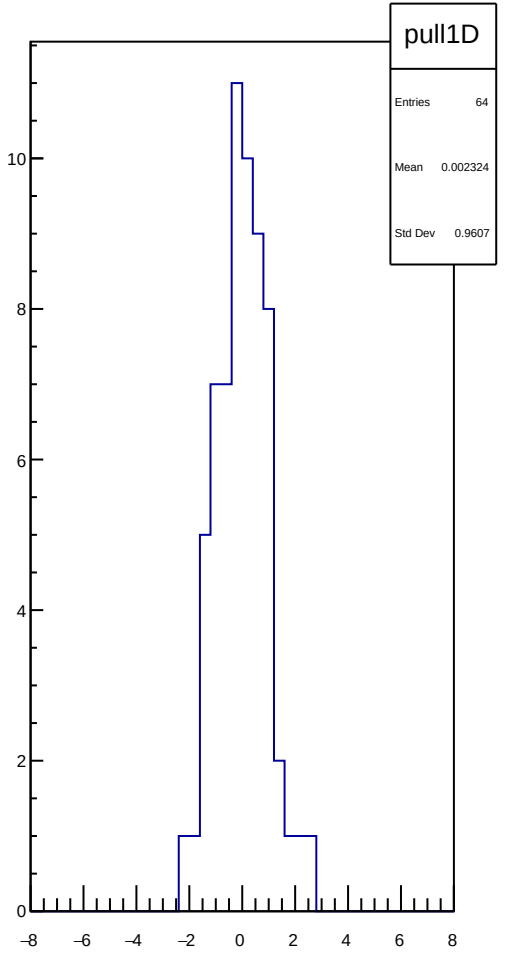

diff_bpm0l03Y_rms vs run
χ² / ndf 8.894e+04 / 63
p0 2.886e+04 ± 27.06
70000
60000
50000
40000
30000
20000

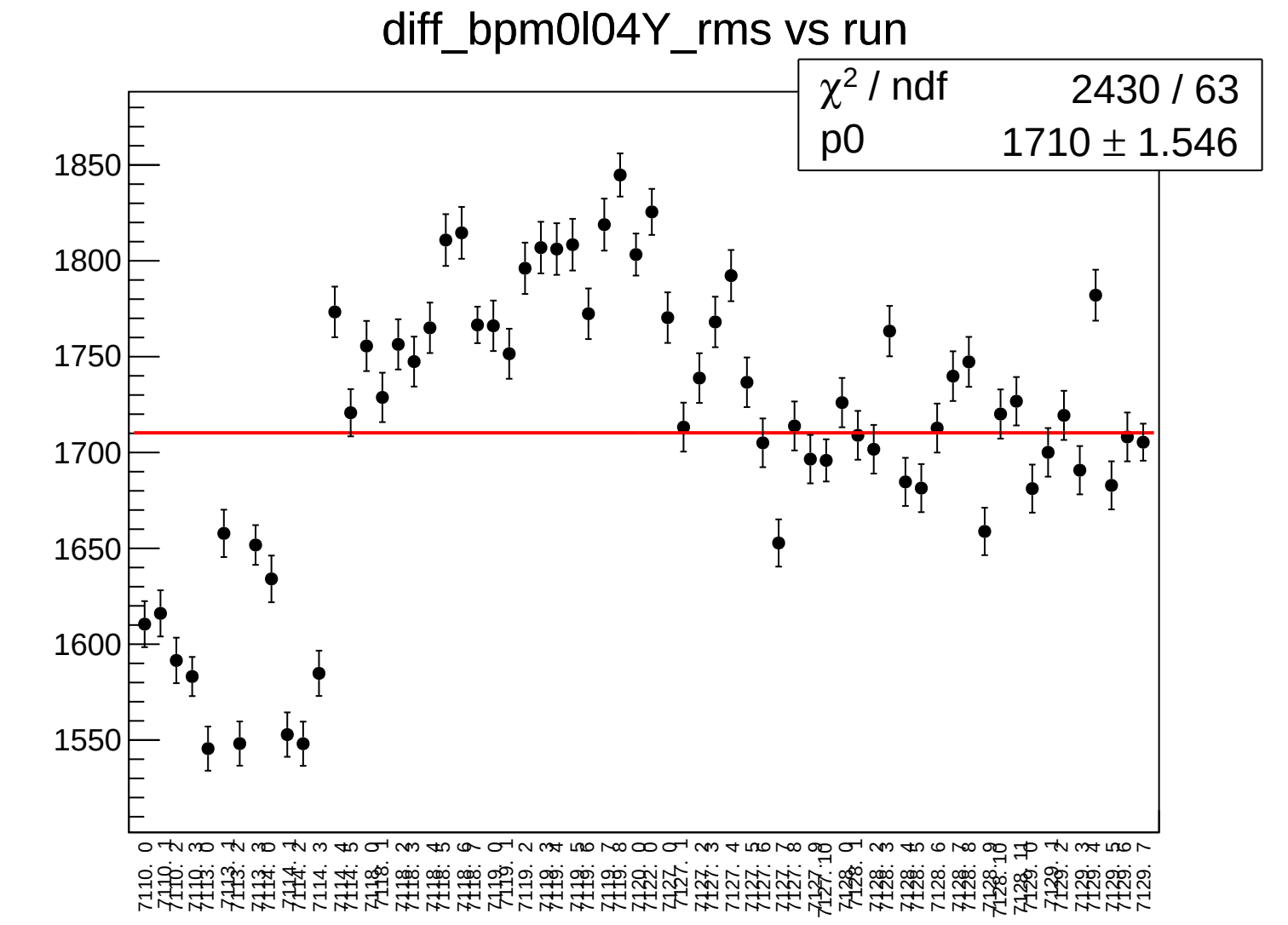

diff_bpm0l04X_mean vs run
χ^2 / ndf 50.03 / 63
p0 16.03 ± 3.141
pull
Entries 64
Mean −1438
Std Dev 0

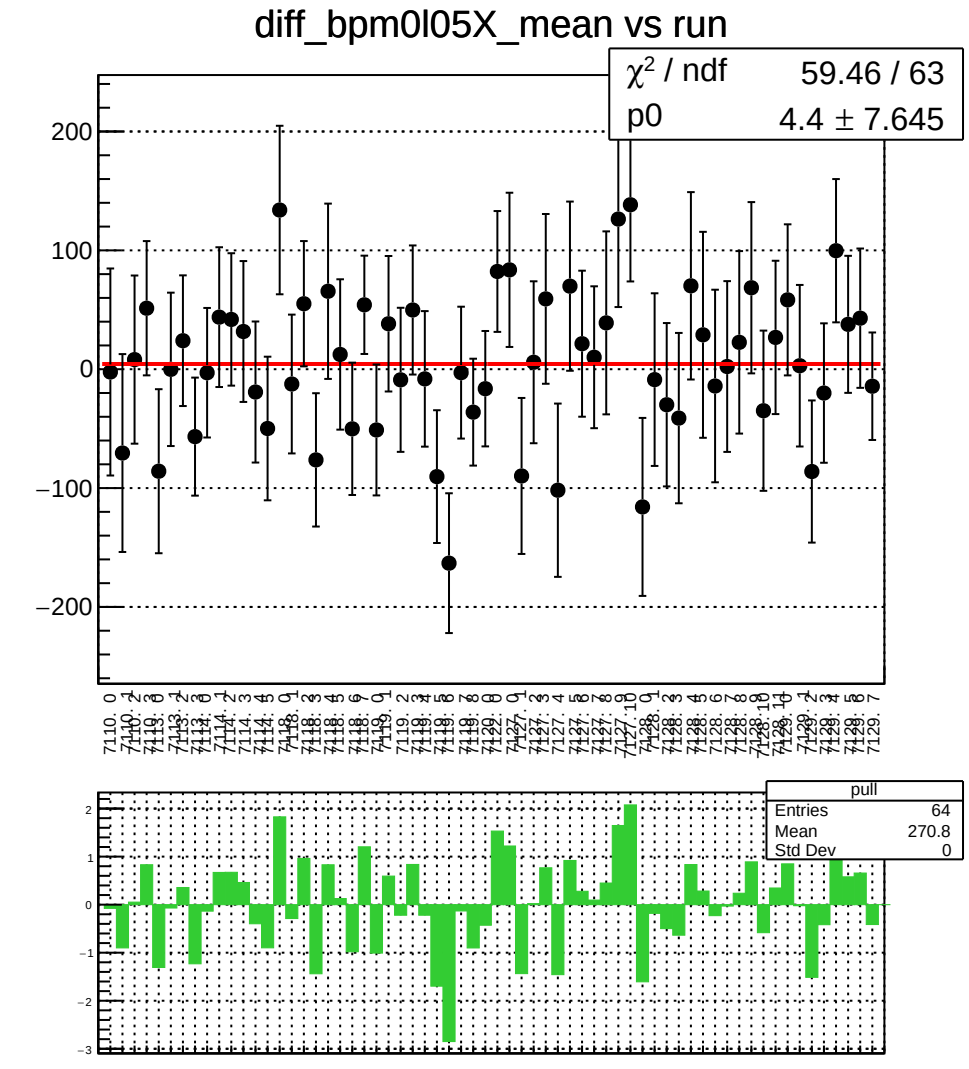

pull1D
Entries 64
Mean −0.0005631
Std Dev 0.8842

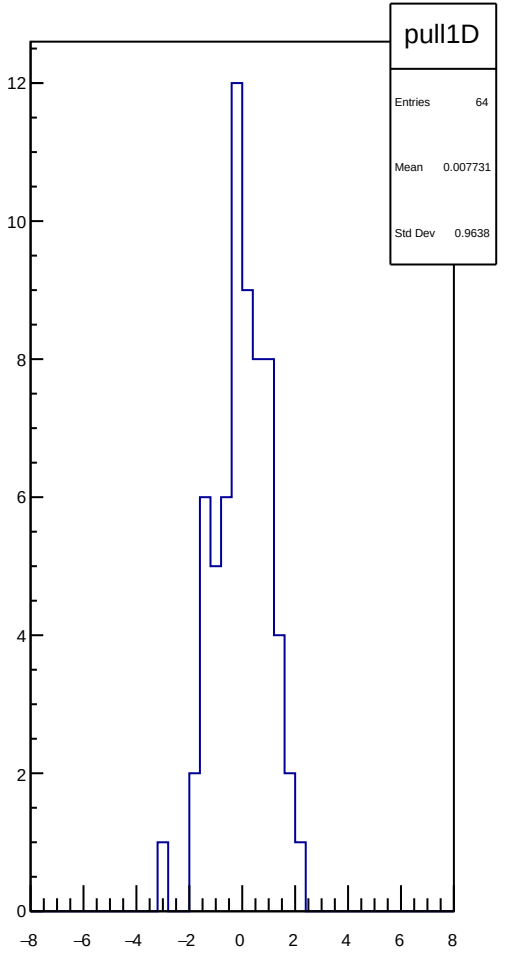

diff_bpm0l04X_rms vs run
χ² / ndf 1654 / 63
p0 2458 ± 2.221
2700
2600
2500
2400
2300

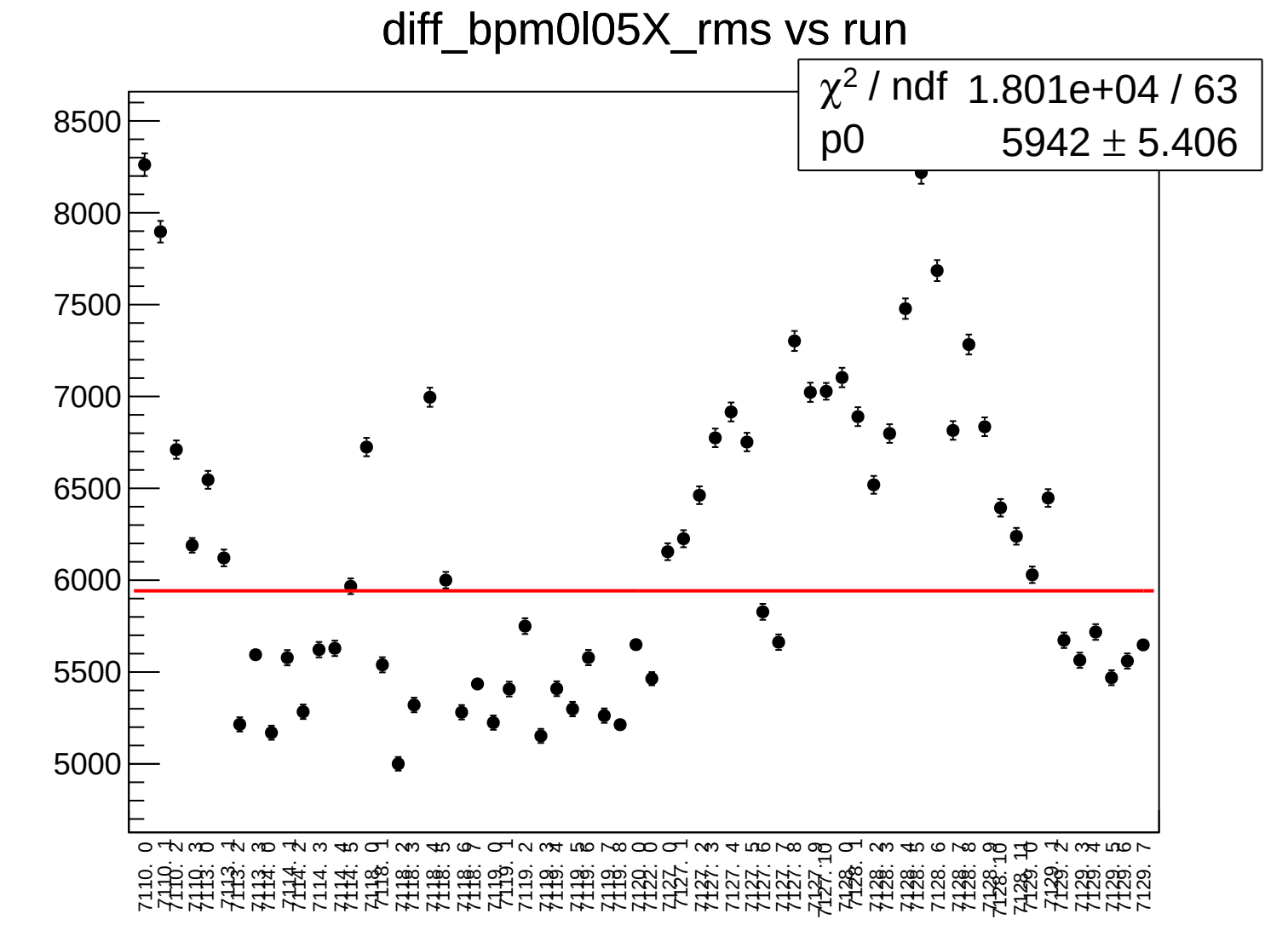

diff_bpm0l04Y_mean vs run
χ² / ndf 59.06 / 63
p0 −11.25 ± 2.186
pull
Entries 64
Mean 1490
Std Dev 0

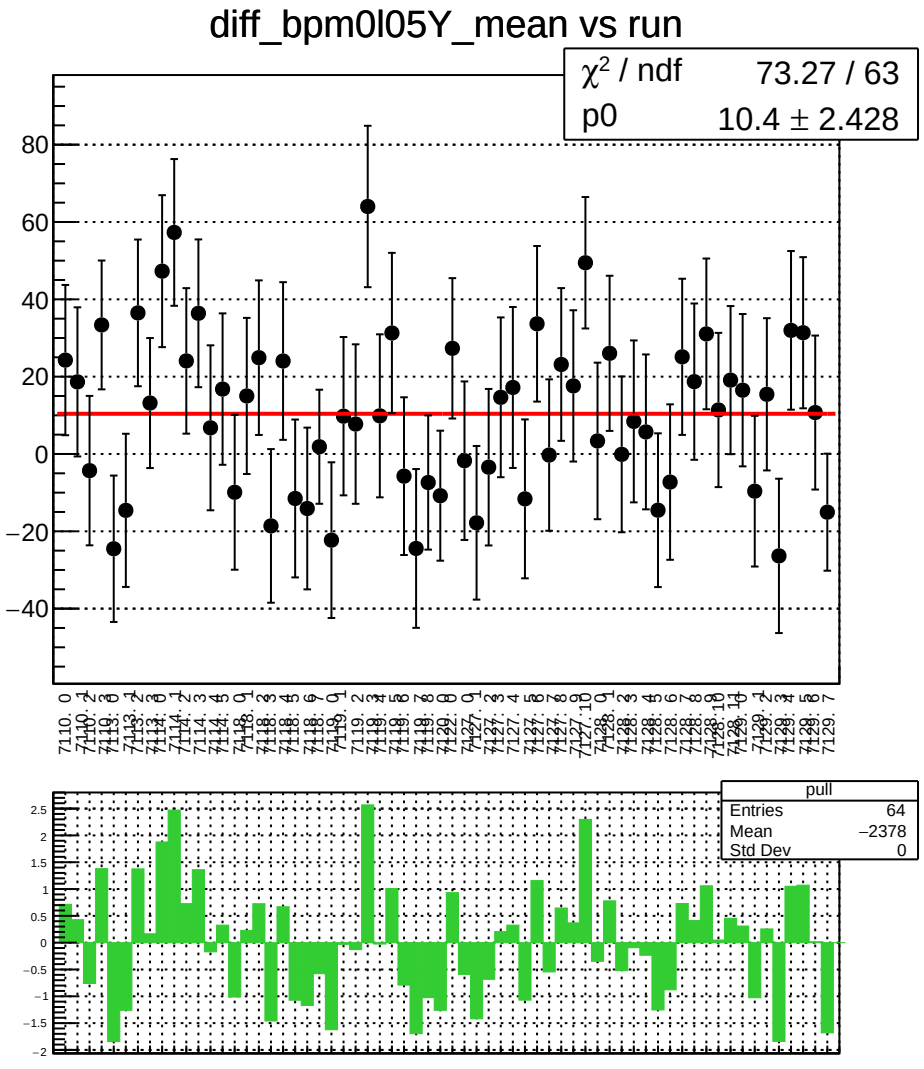

pull1D
Entries 64
Mean 0.002324
Std Dev 0.9607

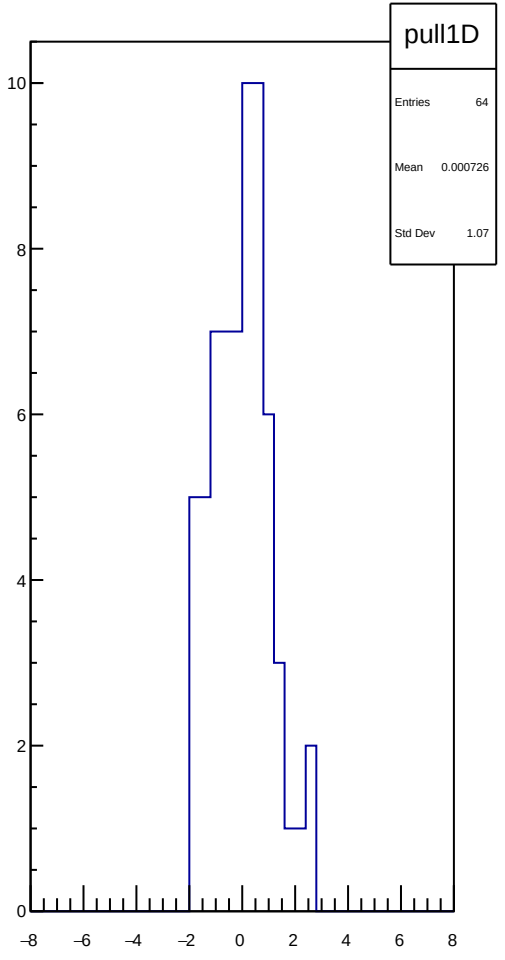

diff_bpm0l04Y_rms vs run
χ² / ndf 2430 / 63
p0 1710 ± 1.546
1850
1800
1750
1700
1650
1600
1550

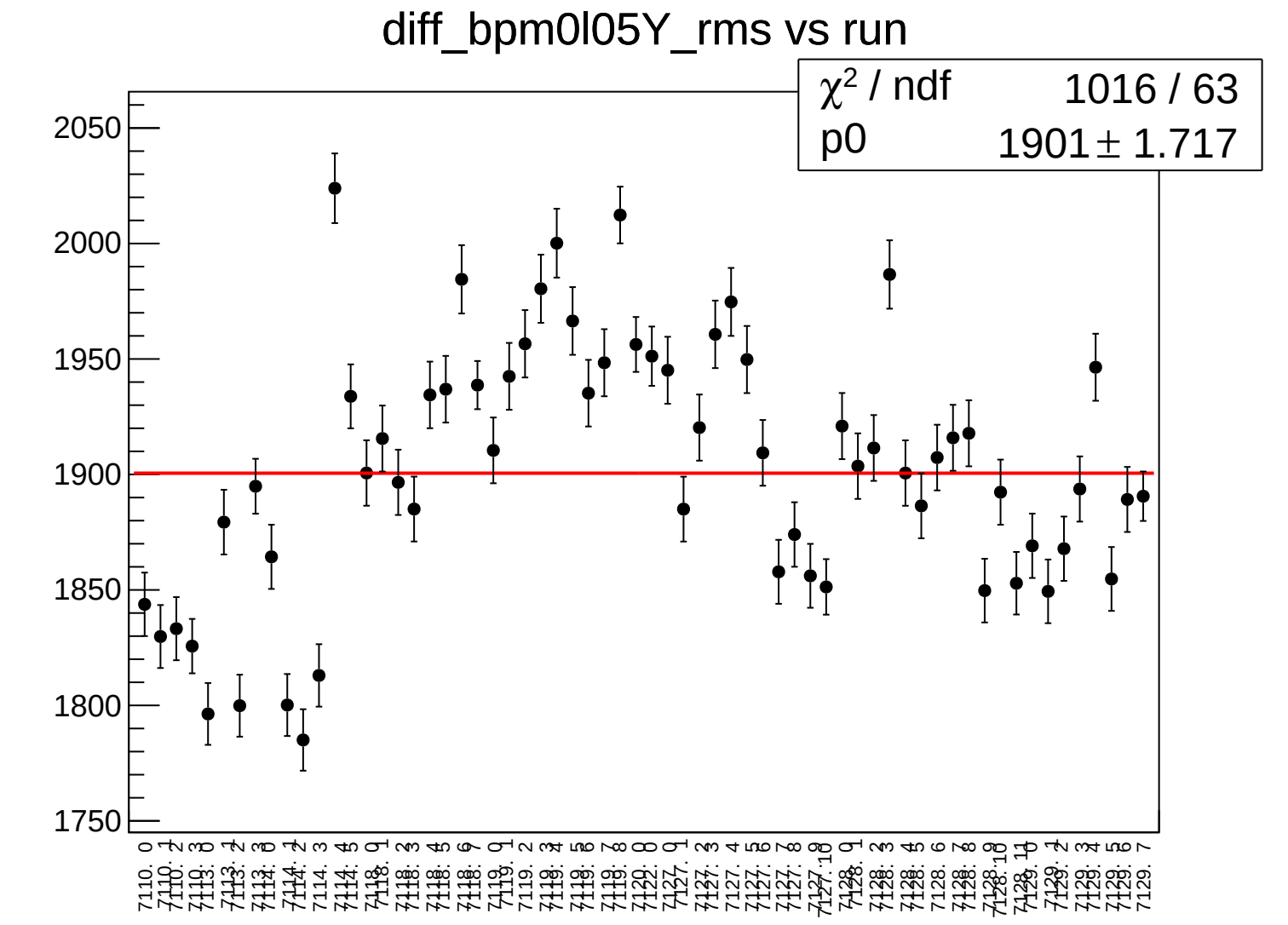

diff_bpm0l05X_mean vs run
χ² / ndf 59.46 / 63
p0 4.4 ± 7.645
pull
Entries 64
Mean 270.8
Std Dev 0

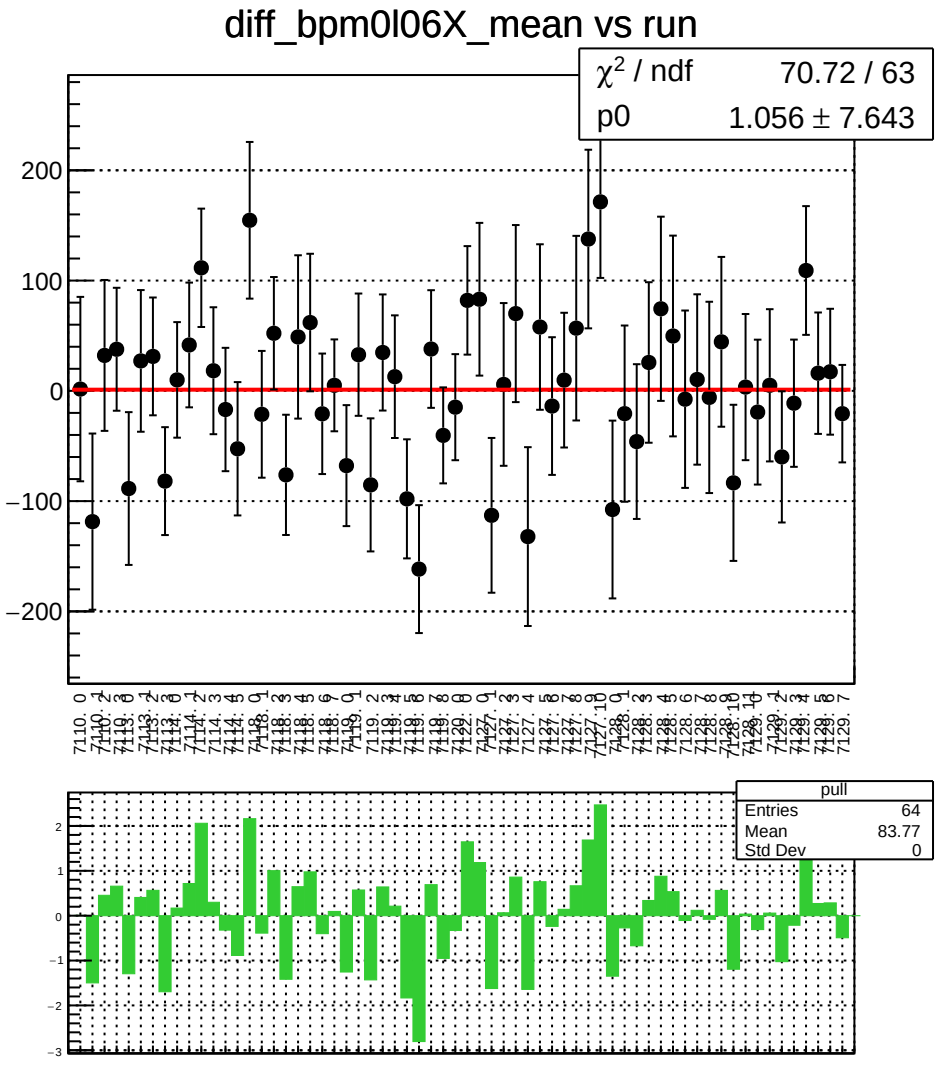

pull1D
Entries 64
Mean 0.007731
Std Dev 0.9638

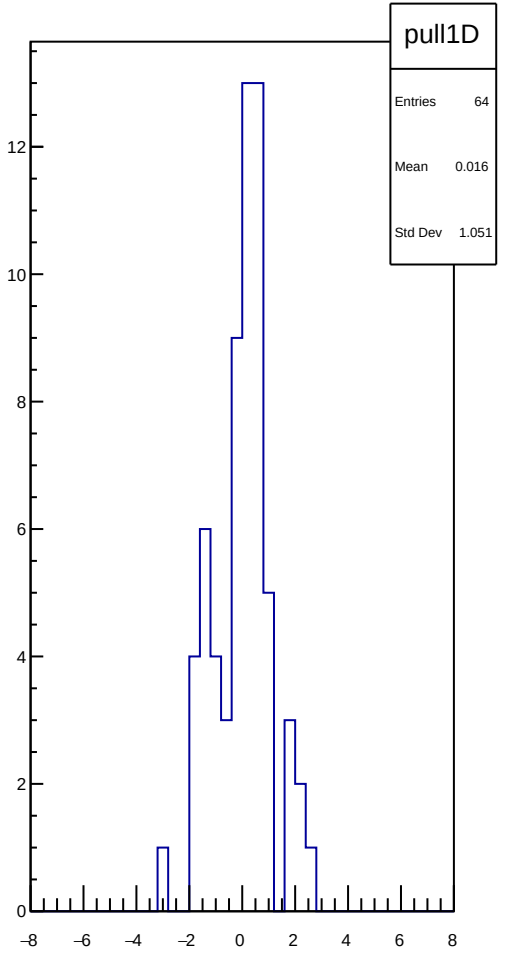

diff_bpm0l05X_rms vs run
χ^2 / ndf 1.801e+04 / 63
p0 5942 ± 5.406
8500
8000
7500
7000
6500
6000
5500
5000
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

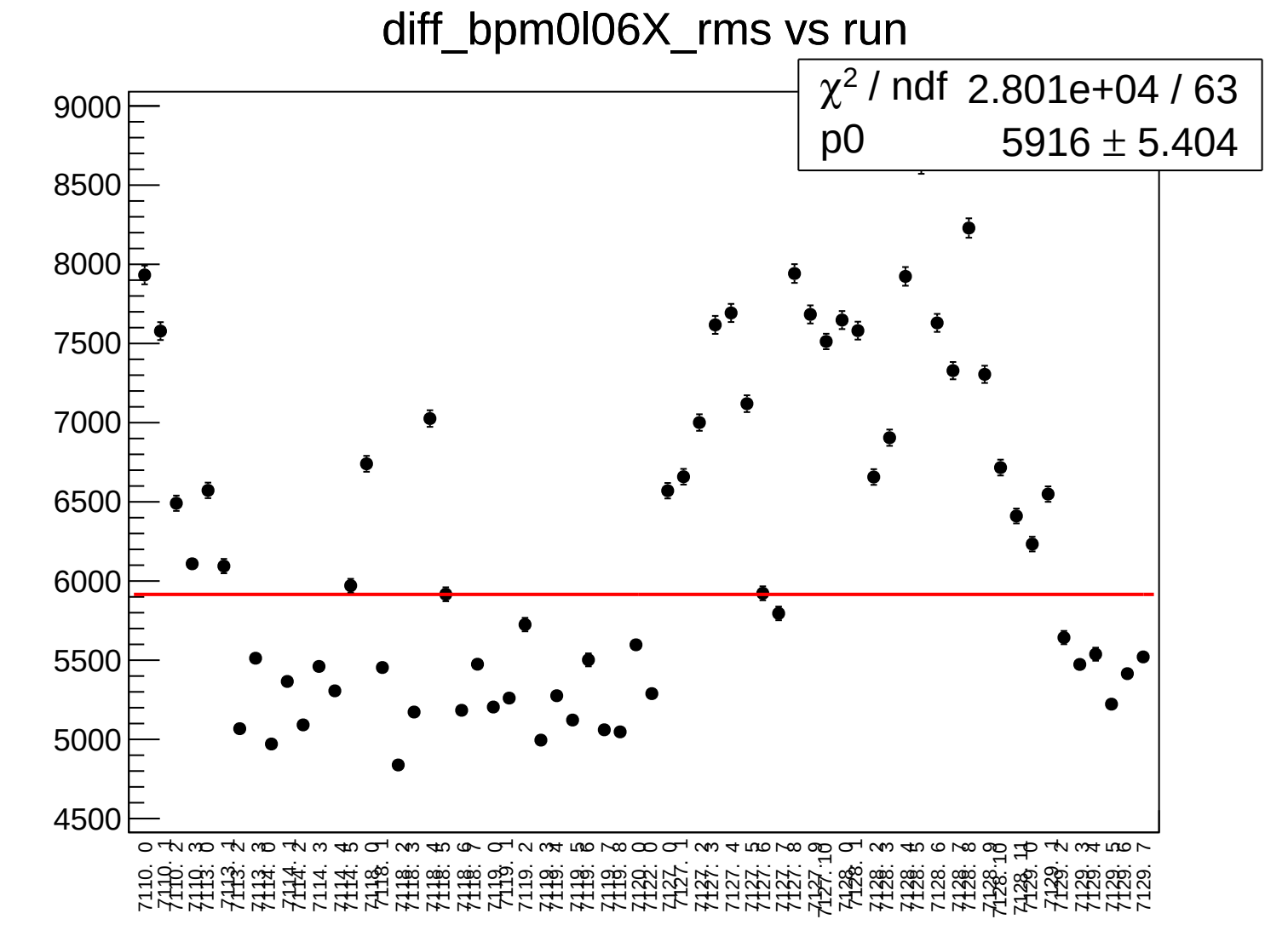

diff_bpm0l05Y_mean vs run
χ² / ndf 73.27 / 63
p0 10.4 ± 2.428
pull
Entries 64
Mean −2378
Std Dev 0

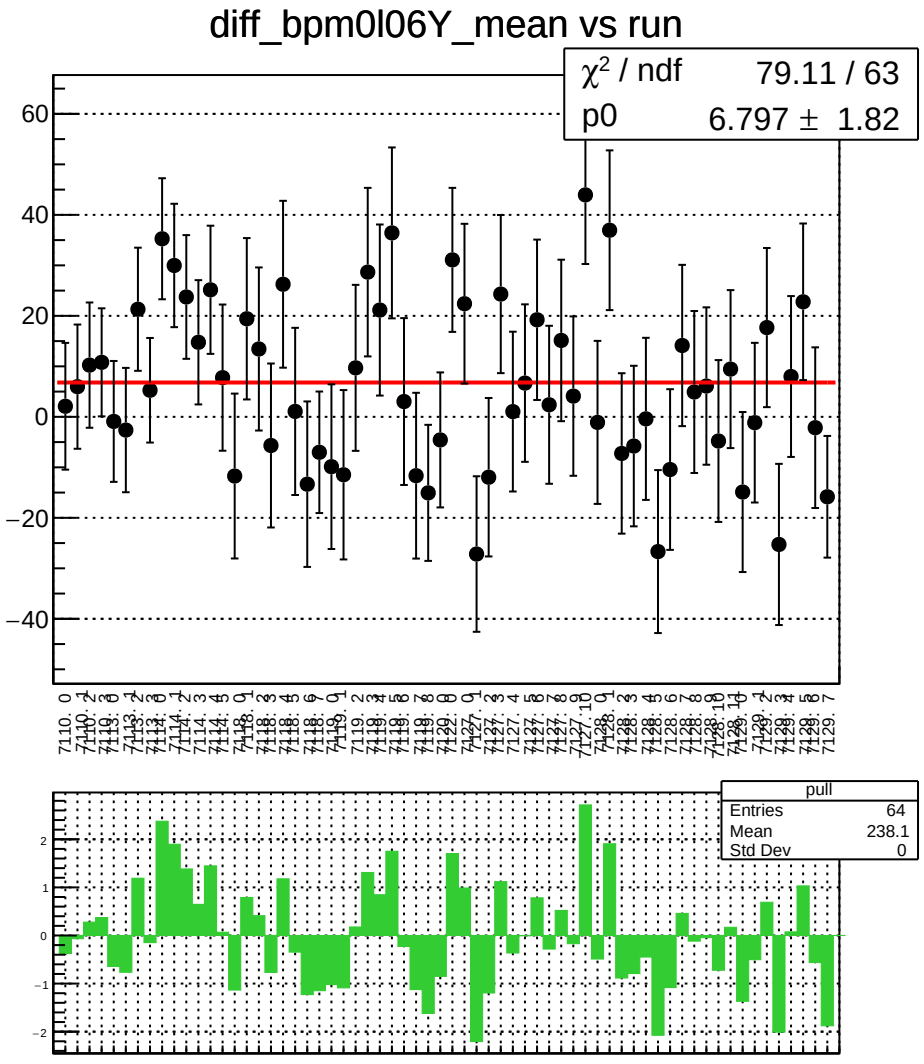

pull1D
Entries 64
Mean 0.000726
Std Dev 1.07

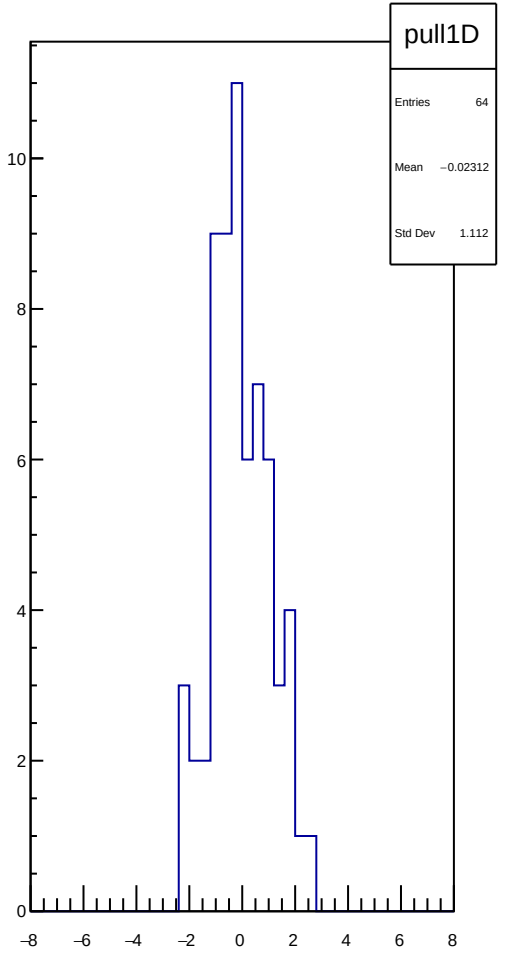

diff_bpm0l05Y_rms vs run
χ² / ndf 1016 / 63
p0 1901 ± 1.717
2050
2000
1950
1900
1850
1800
1750

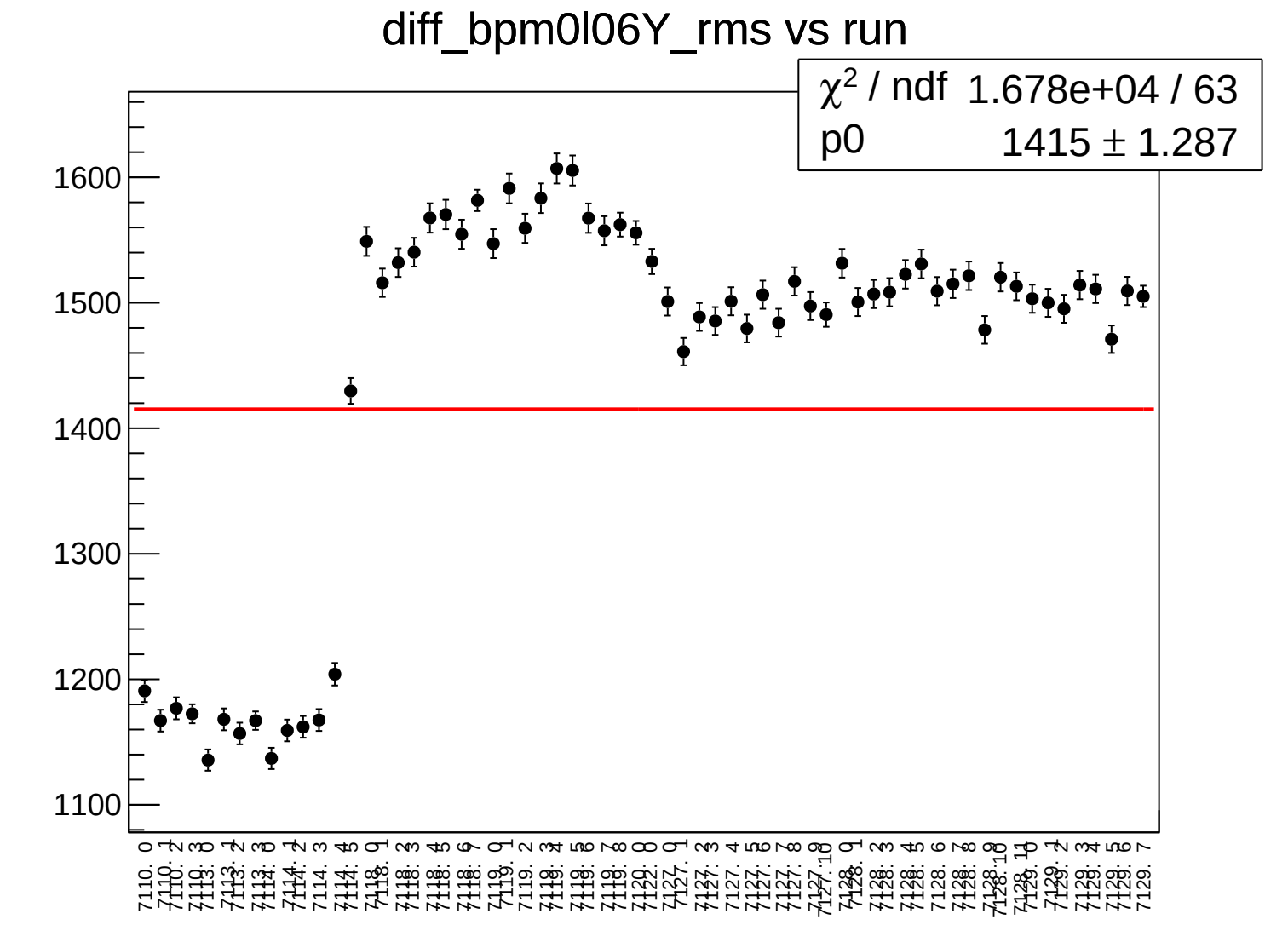

diff_bpm0l06X_mean vs run
χ^2 / ndf 70.72 / 63
p0 1.056 ± 7.643
pull
Entries 64
Mean 83.77
Std Dev 0

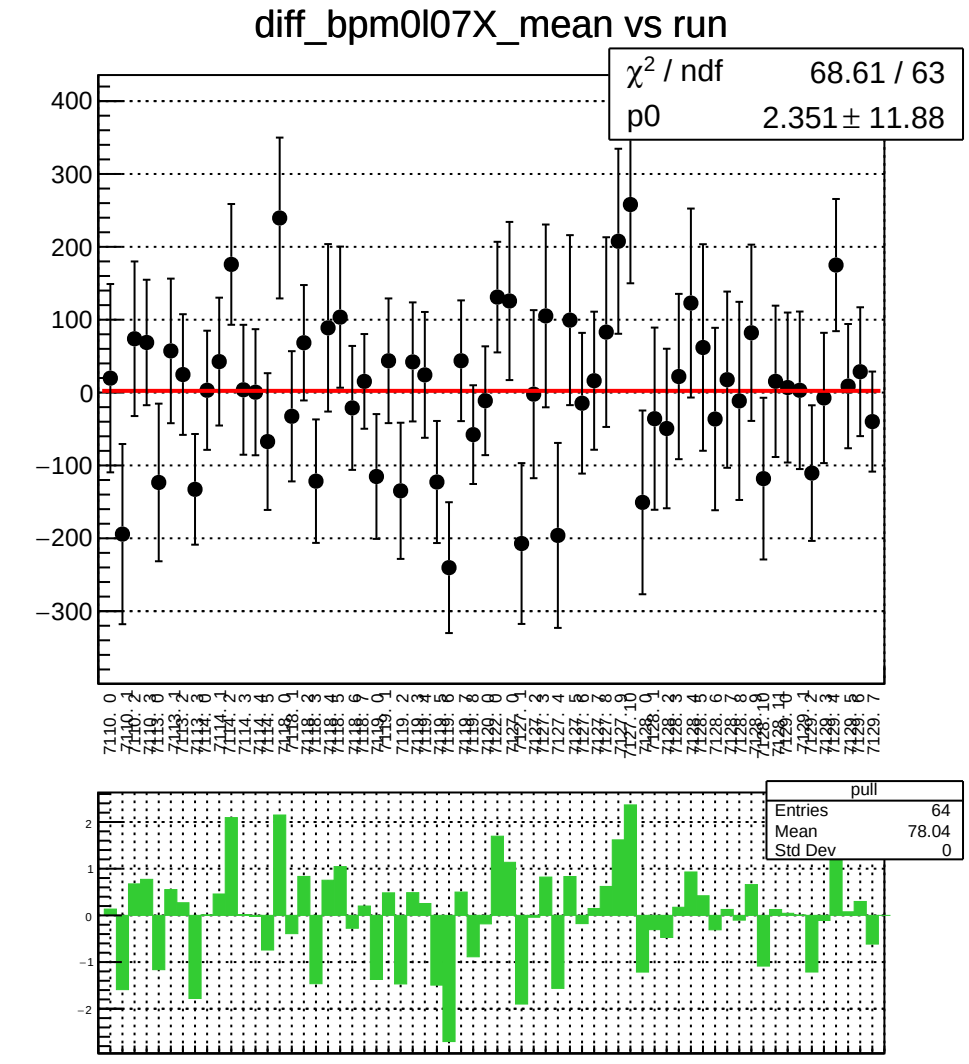

pull1D
Entries 64
Mean 0.016
Std Dev 1.051

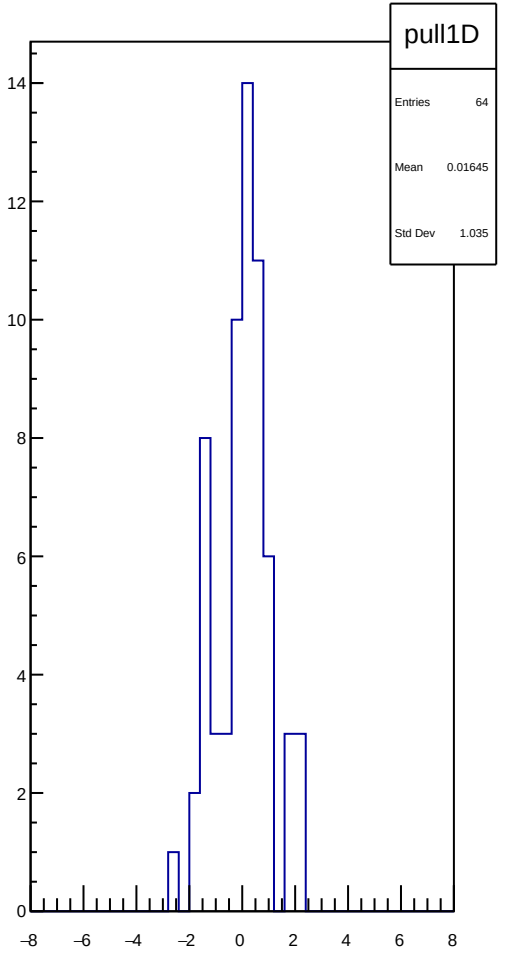

diff_bpm0l06X_rms vs run
χ² / ndf 2.801e+04 / 63
p0 5916 ± 5.404
9000
8500
8000
7500
7000
6500
6000
5500
5000
4500

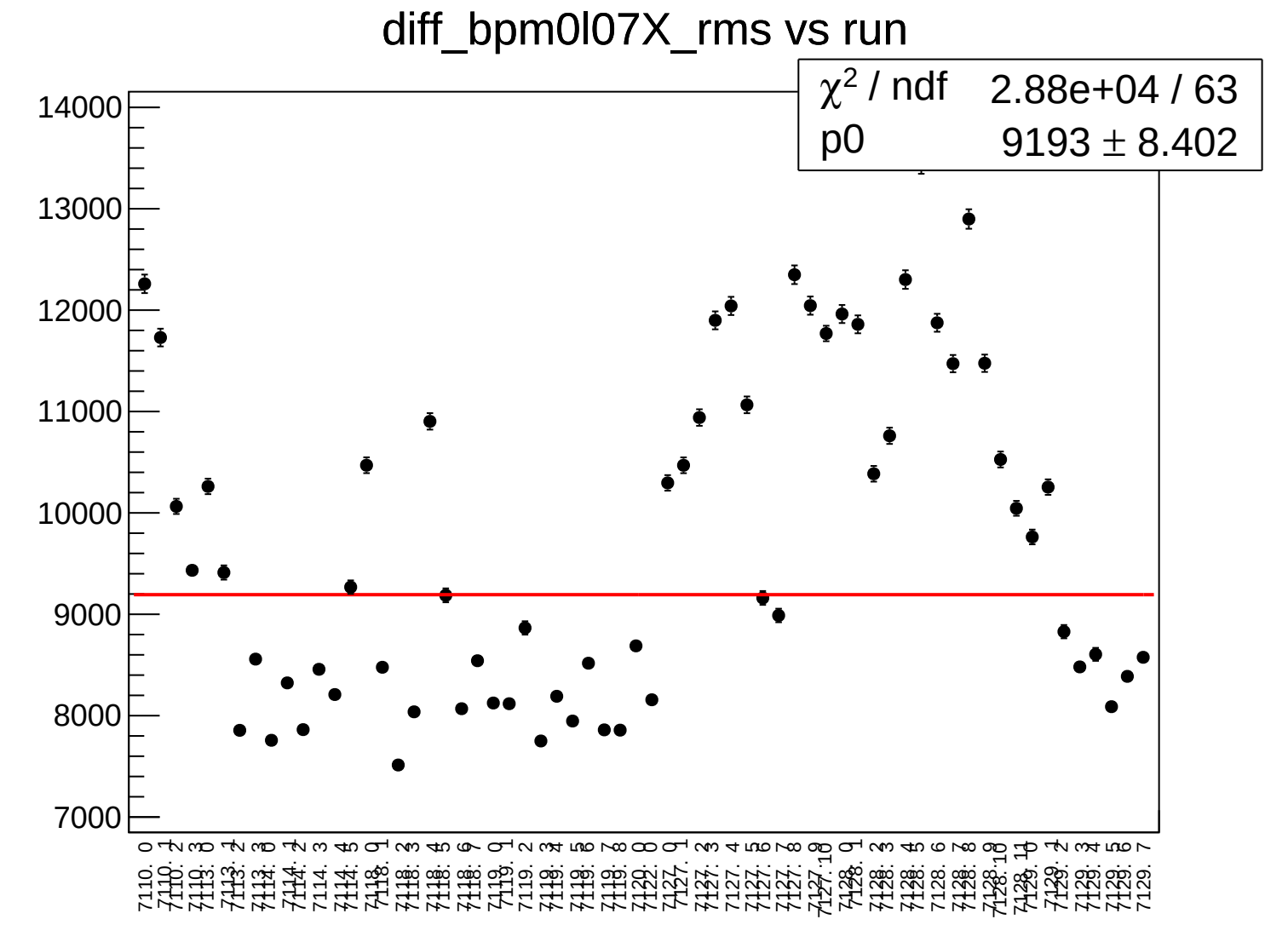

diff_bpm0l06Y_mean vs run
χ² / ndf 79.11 / 63
p0 6.797 ± 1.82
pull
Entries 64
Mean 238.1
Std Dev 0

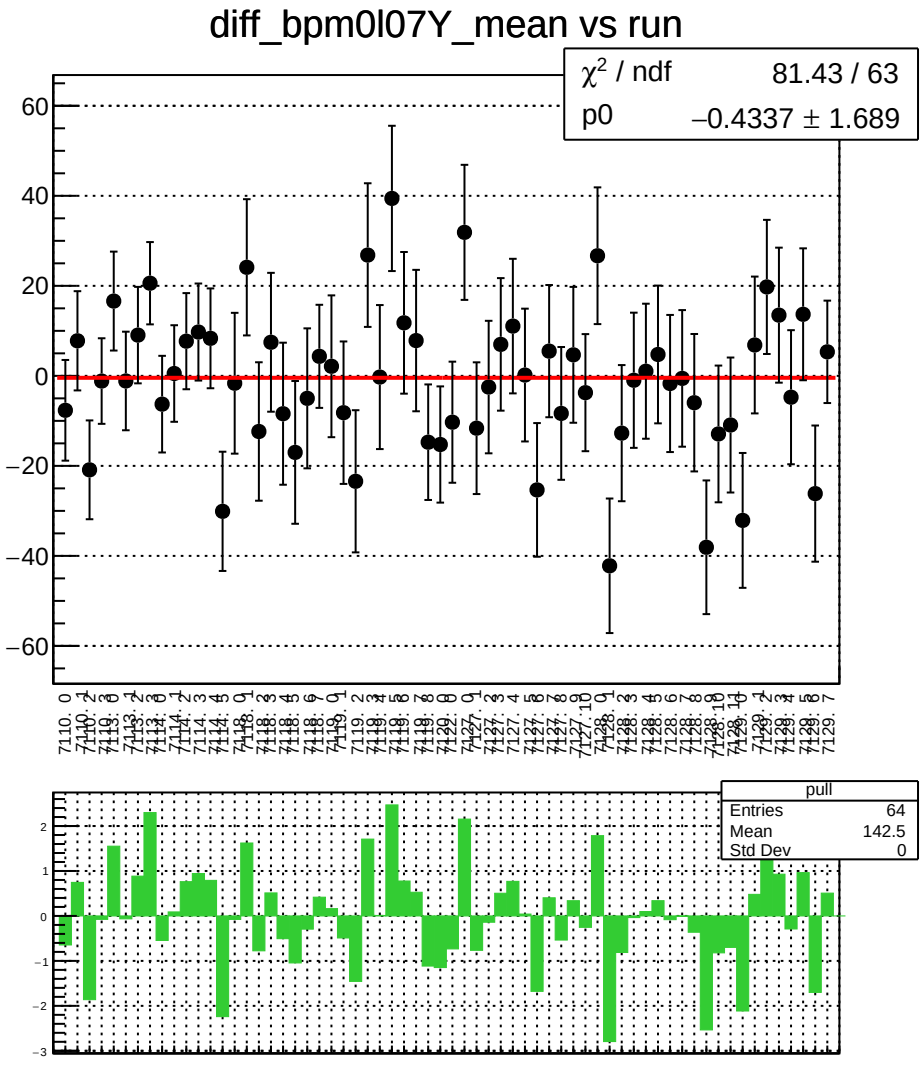

pull1D
Entries 64
Mean −0.02312
Std Dev 1.112

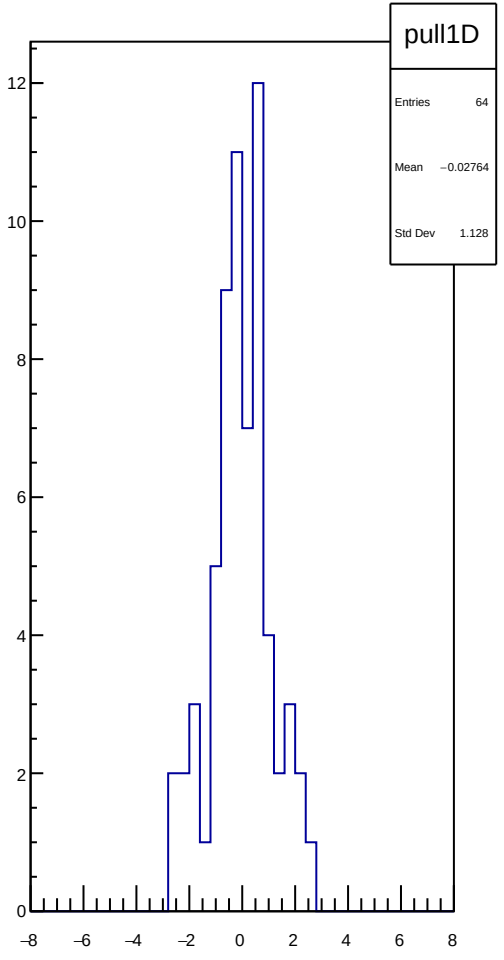

diff_bpm0l06Y_rms vs run
χ² / ndf 1.678e+04 / 63
p0 1415 ± 1.287
1600
1500
1400
1300
1200
1100

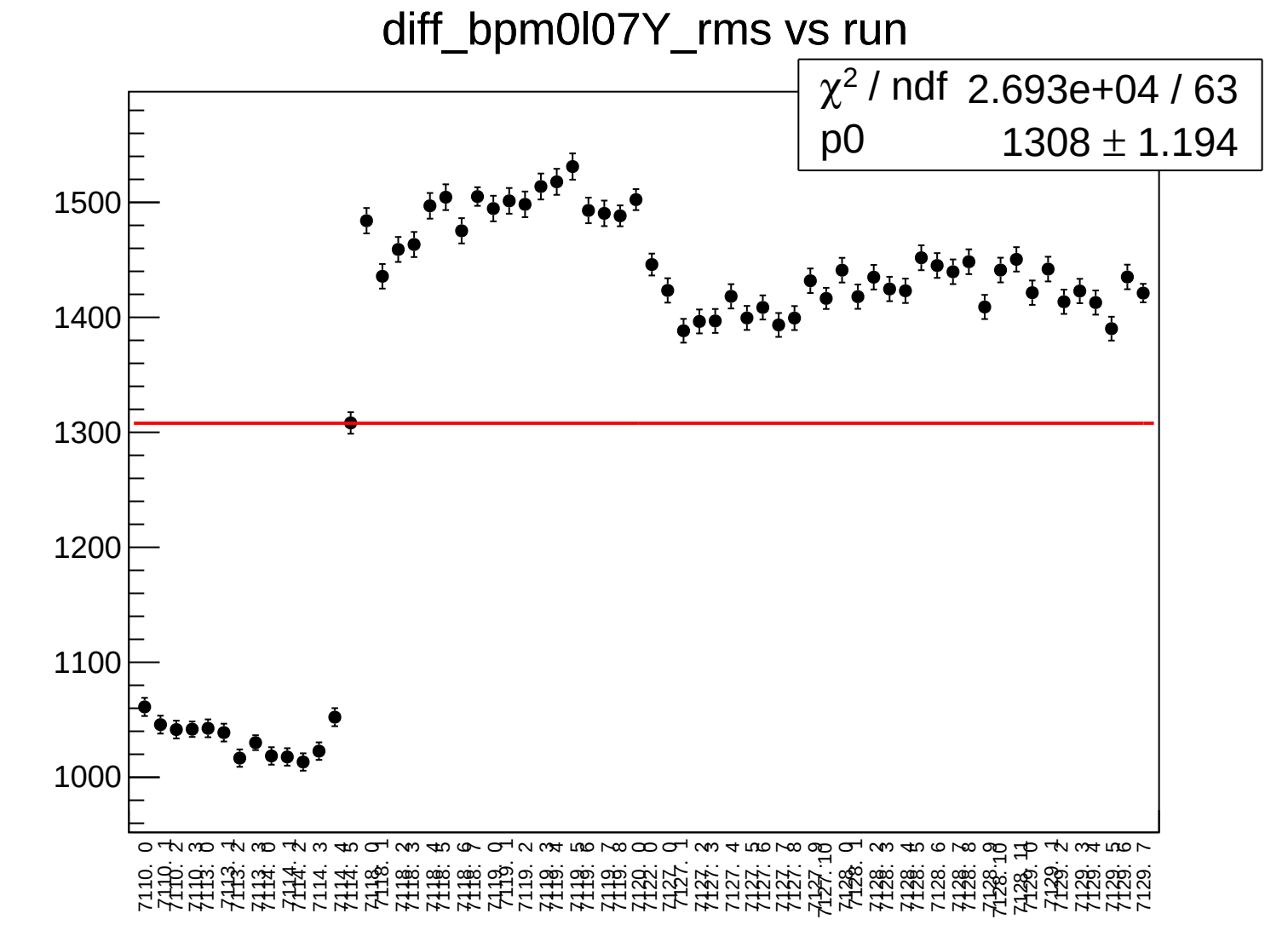

diff_bpm0l07X_mean vs run
χ² / ndf 68.61 / 63
p0 2.351 ± 11.88
pull
Entries 64
Mean 78.04
Std Dev 0

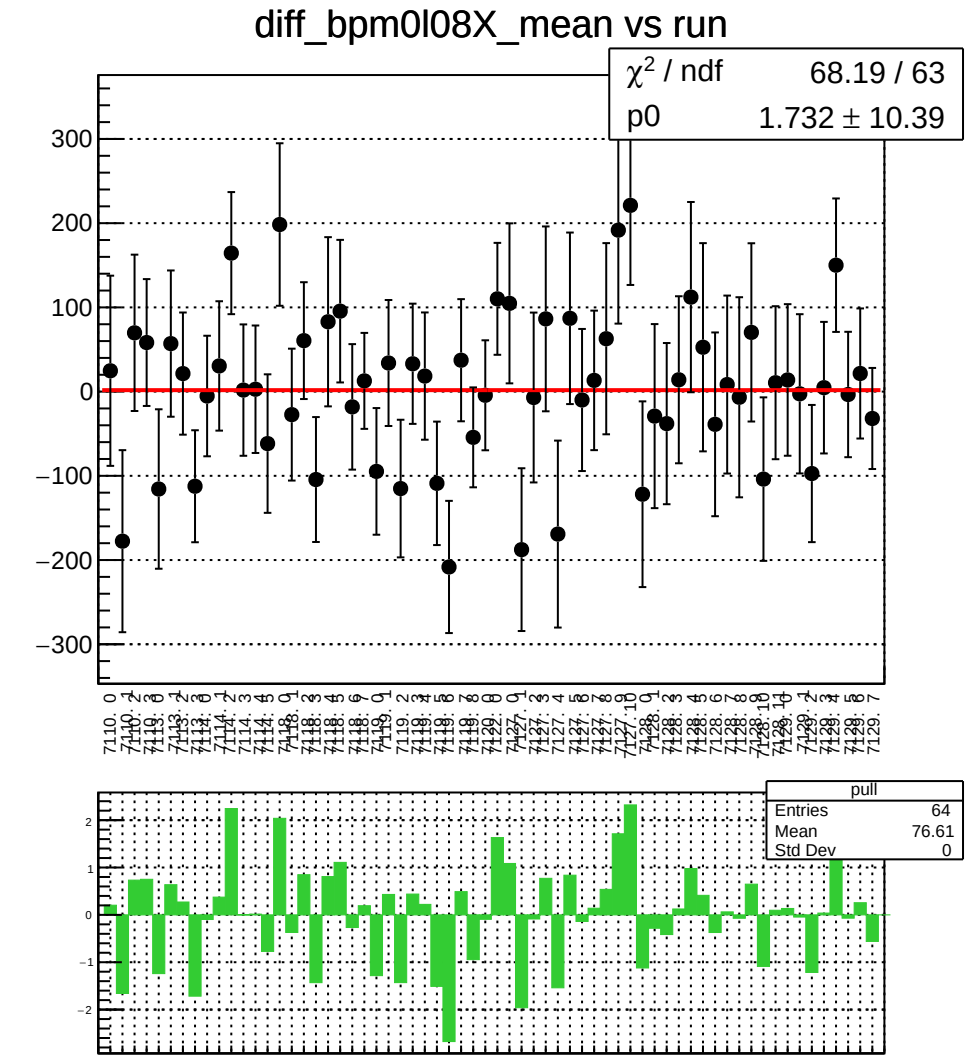

pull1D
Entries 64
Mean 0.01645
Std Dev 1.035

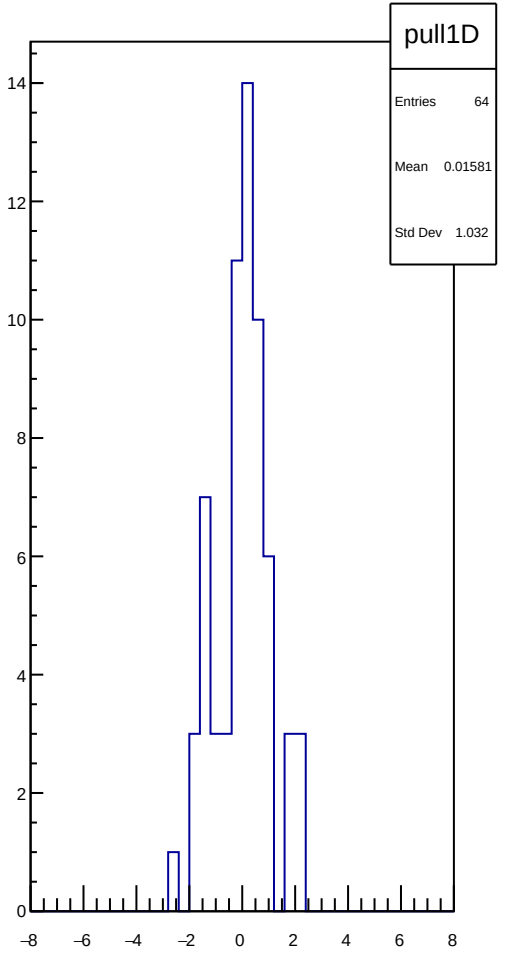

diff_bpm0l07X_rms vs run
χ² / ndf 2.88e+04 / 63
p0 9193 ± 8.402
14000
13000
12000
11000
10000
9000
8000
7000

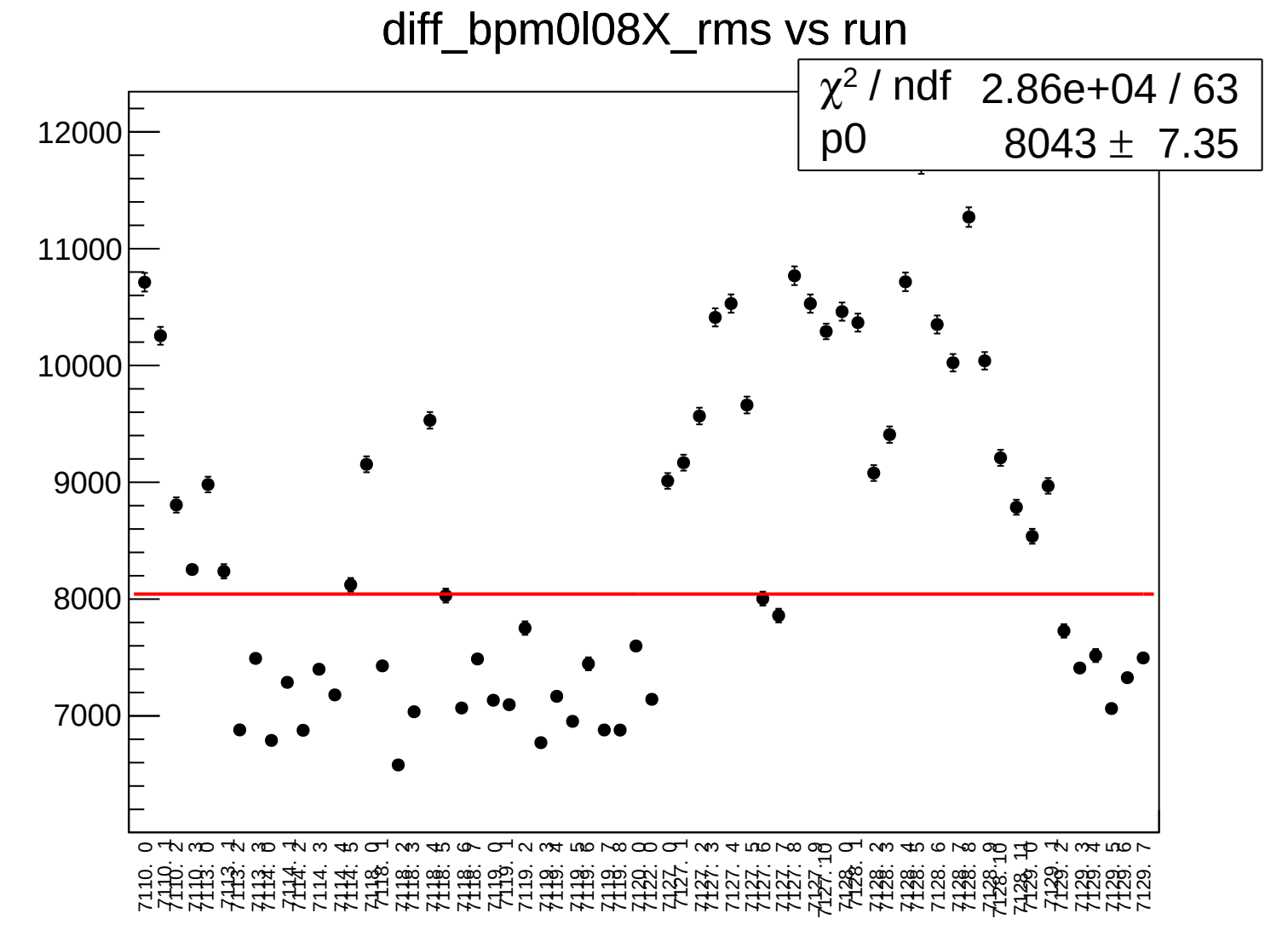

diff_bpm0l07Y_mean vs run
χ² / ndf 81.43 / 63
p0 −0.4337 ± 1.689
pull
Entries 64
Mean 142.5
Std Dev 0

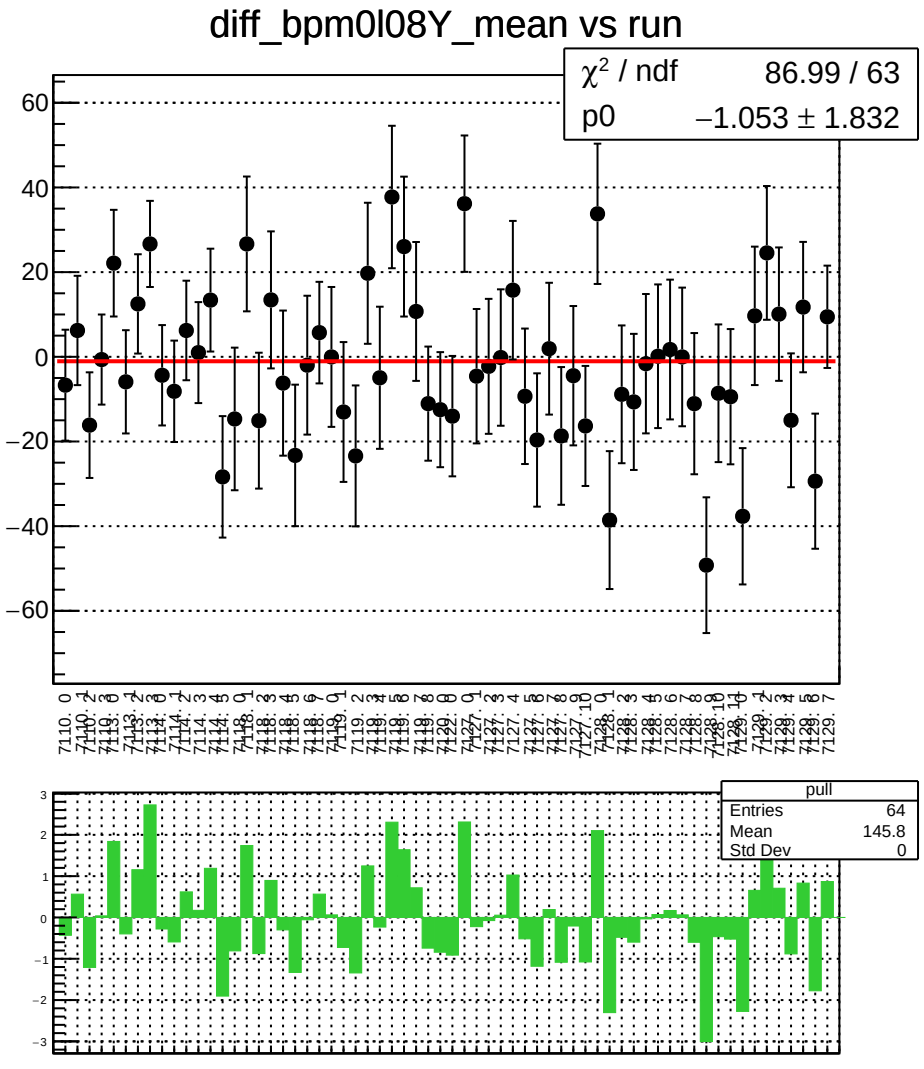

pull1D
Entries 64
Mean −0.02764
Std Dev 1.128

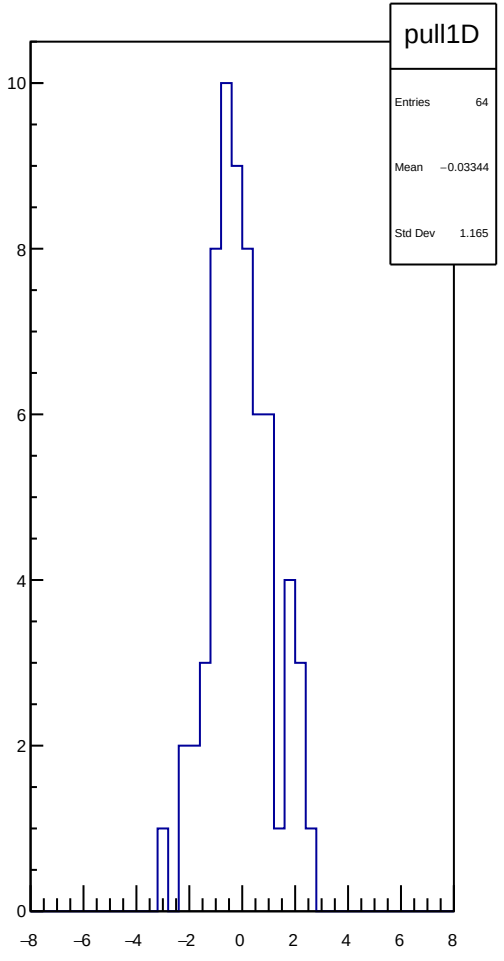

diff_bpm0l07Y_rms vs run
χ² / ndf 2.693e+04 / 63
p0 1308 ± 1.194
1500
1400
1300
1200
1100
1000

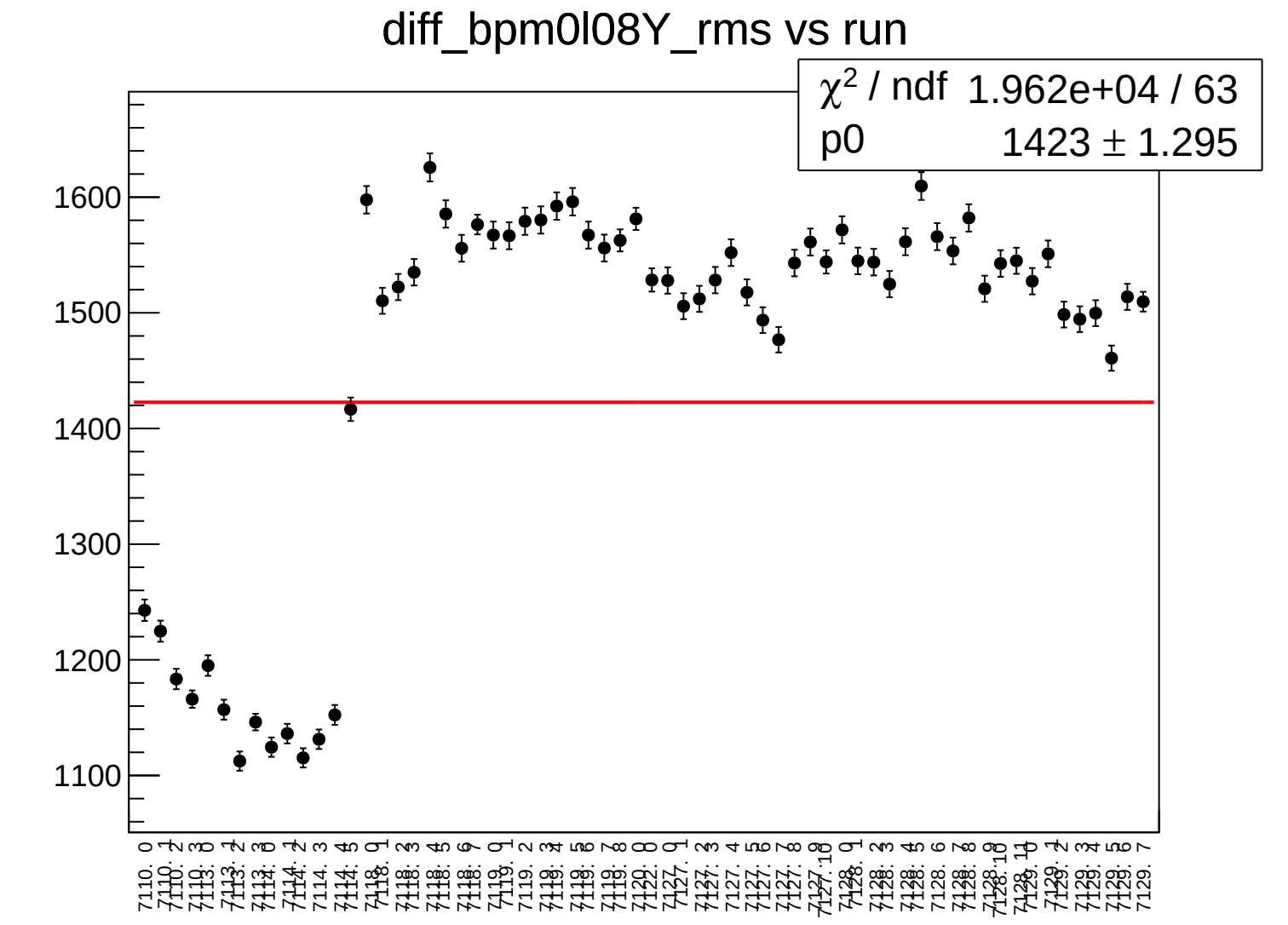

diff_bpm0l08X_mean vs run
χ² / ndf 68.19 / 63
p0 1.732 ± 10.39
pull
Entries 64
Mean 76.61
Std Dev 0

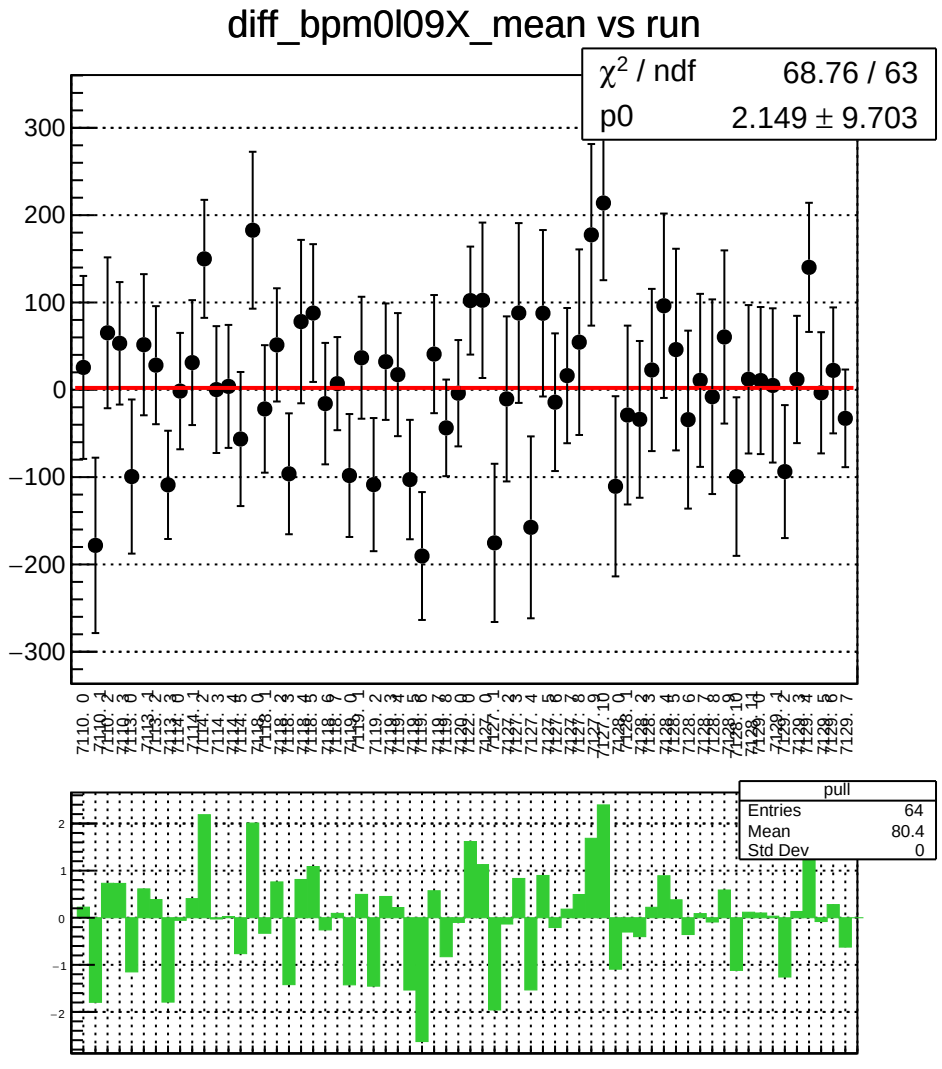

pull1D
Entries 64
Mean 0.01581
Std Dev 1.032

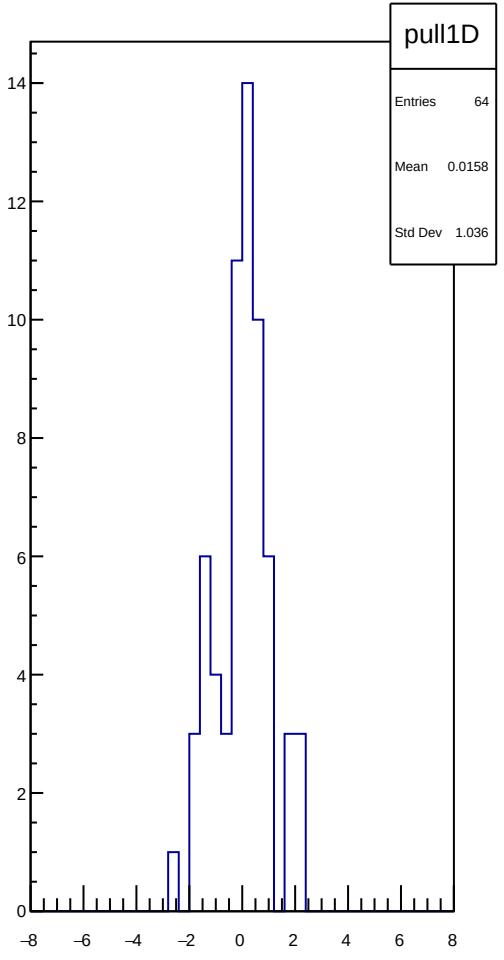

diff_bpm0l08X_rms vs run
χ² / ndf 2.86e+04 / 63
p0 8043 ± 7.35
12000
11000
10000
9000
8000
7000

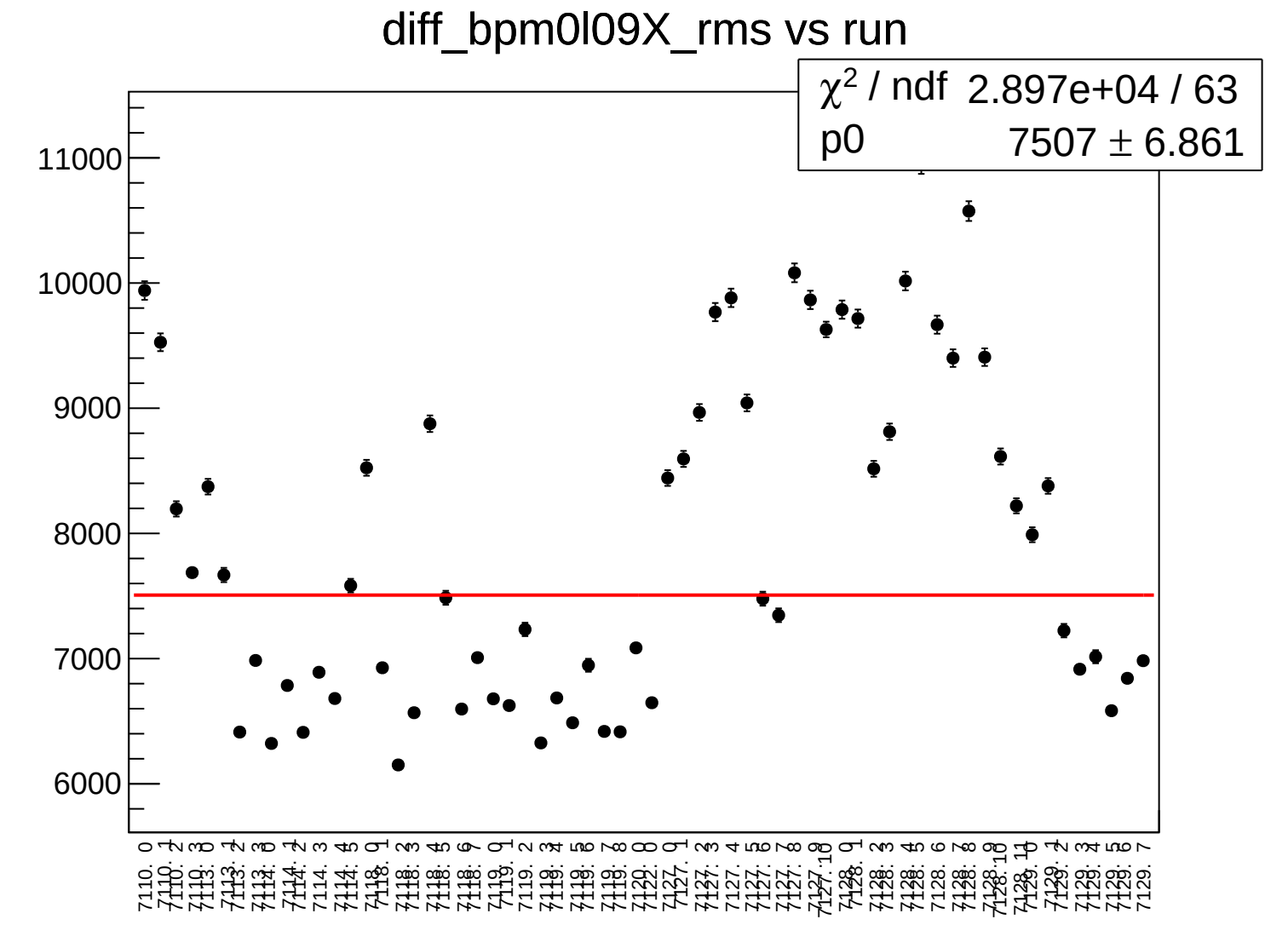

diff_bpm0l08Y_mean vs run
χ² / ndf 86.99 / 63
p0 −1.053 ± 1.832
pull
Entries 64
Mean 145.8
Std Dev 0

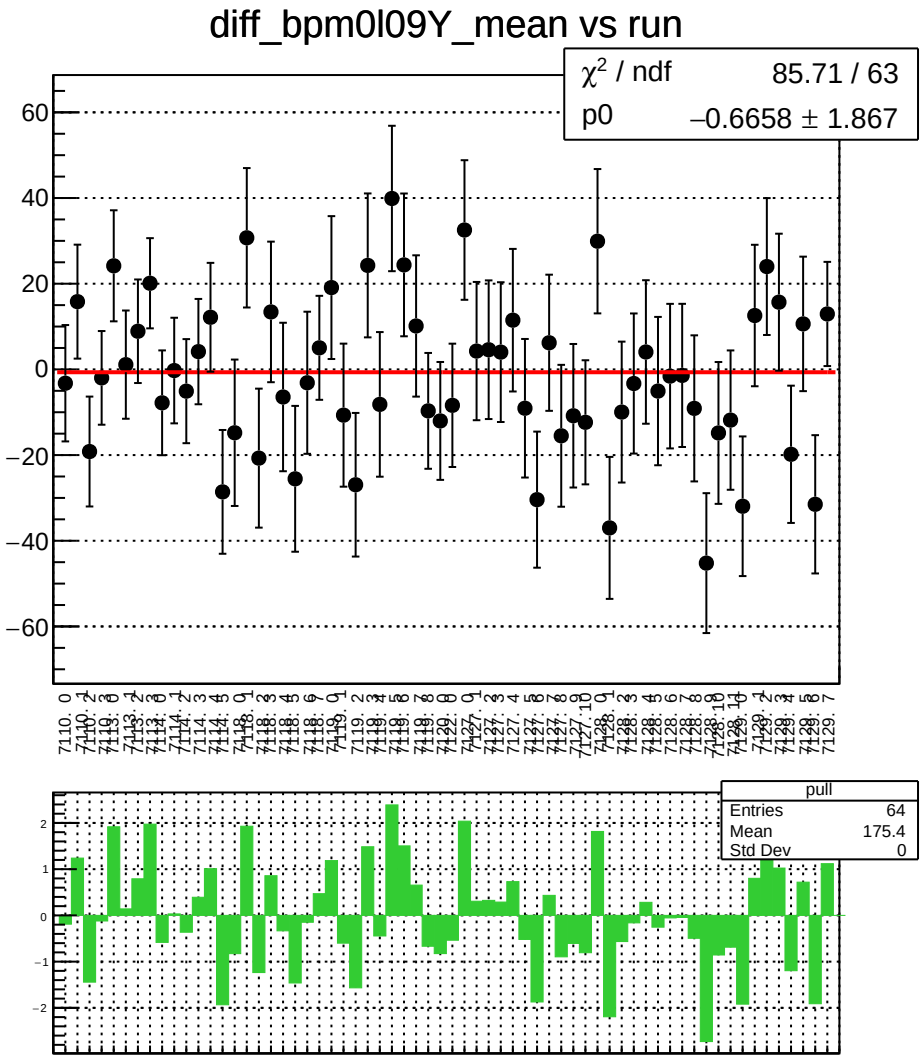

pull1D
Entries 64
Mean −0.03344
Std Dev 1.165

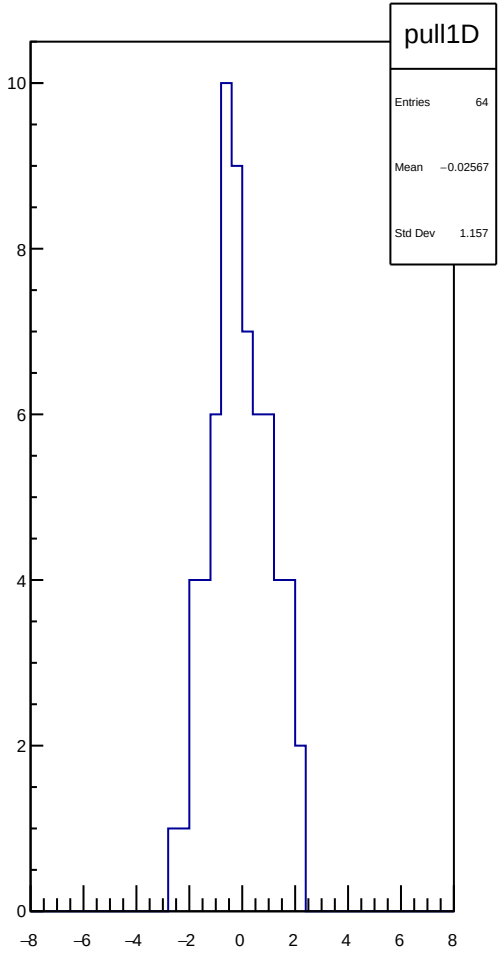

diff_bpm0l08Y_rms vs run
χ² / ndf 1.962e+04 / 63
p0 1423 ± 1.295
1600
1500
1400
1300
1200
1100

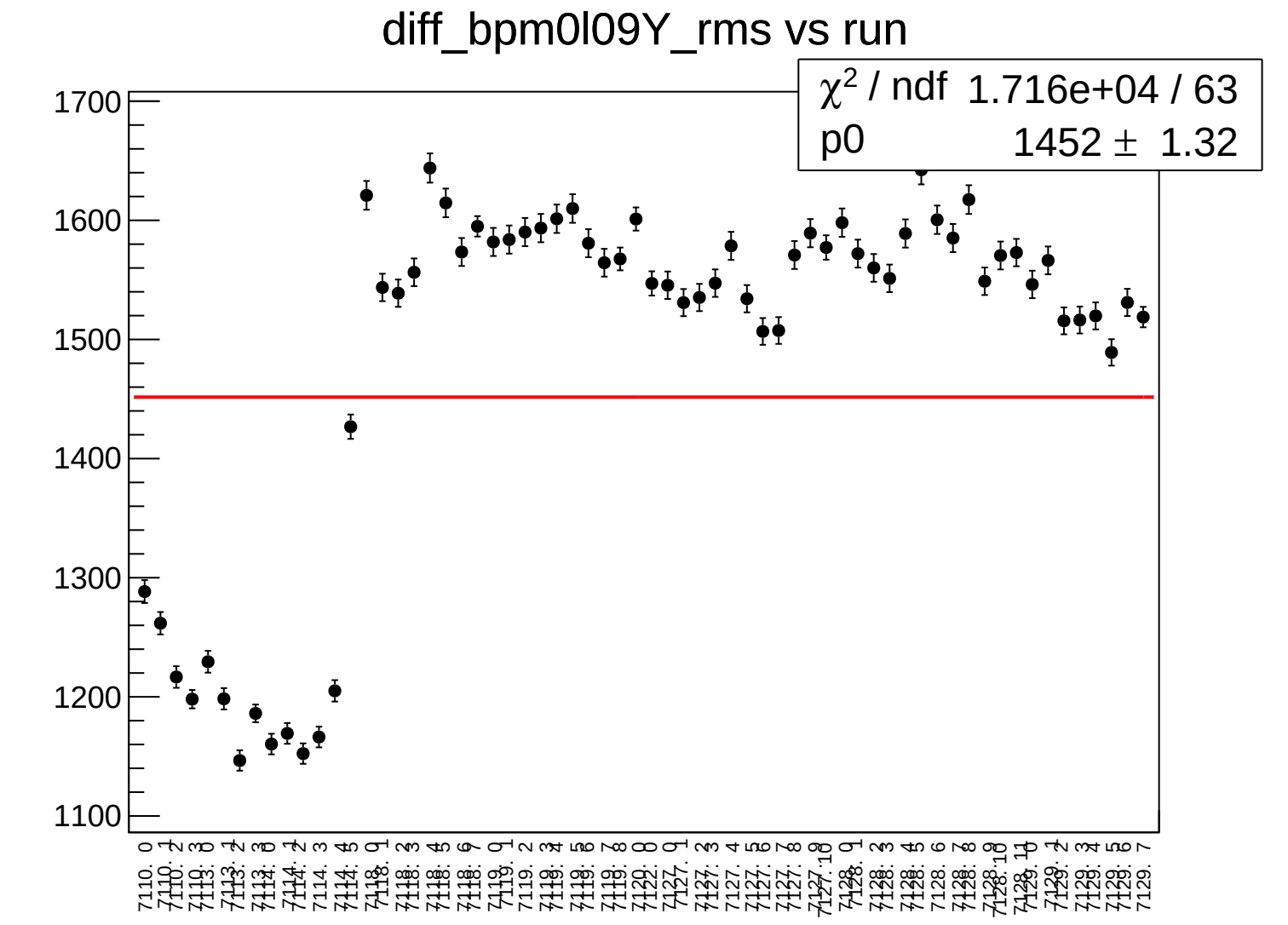

diff_bpm0l09X_mean vs run
χ² / ndf 68.76 / 63
p0 2.149 ± 9.703
pull
Entries 64
Mean 80.4
Std Dev 0

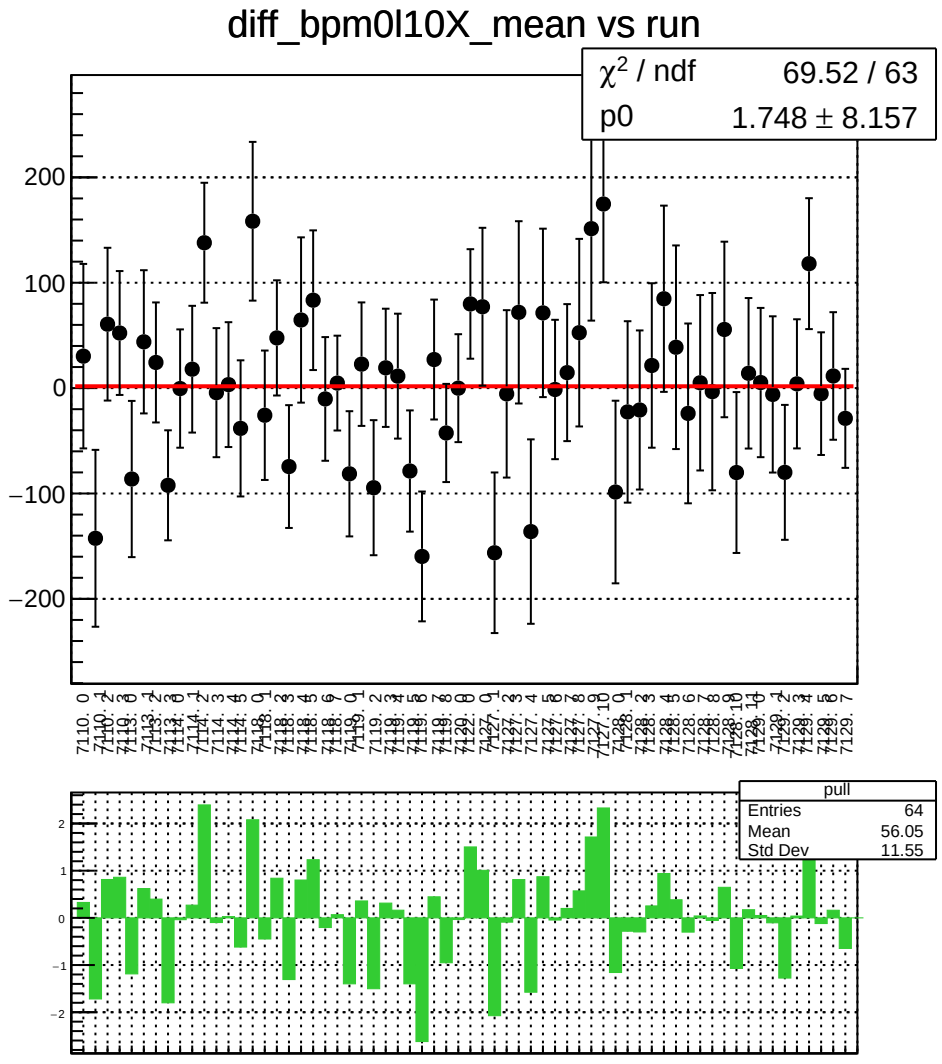

pull1D
Entries 64
Mean 0.0158
Std Dev 1.036

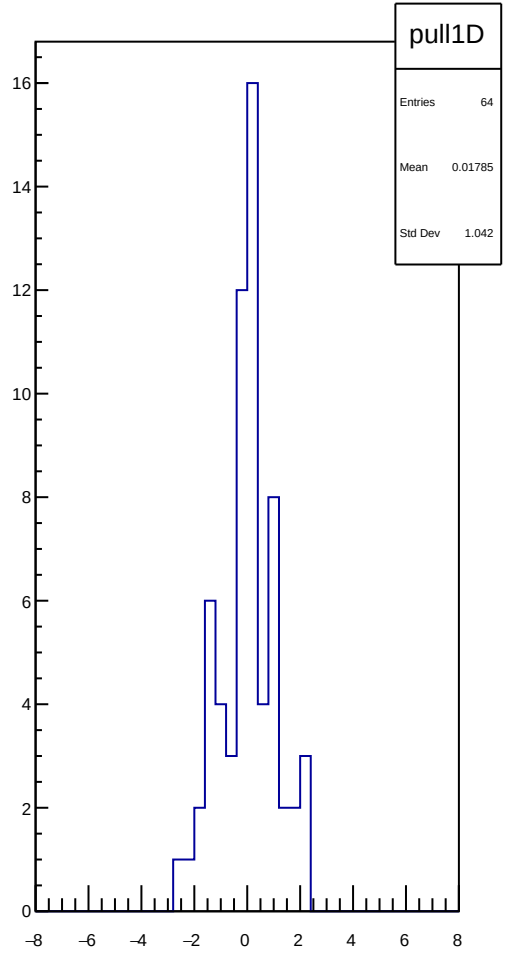

diff_bpm0l09X_rms vs run
χ² / ndf 2.897e+04 / 63
p0 7507 ± 6.861
11000
10000
9000
8000
7000
6000

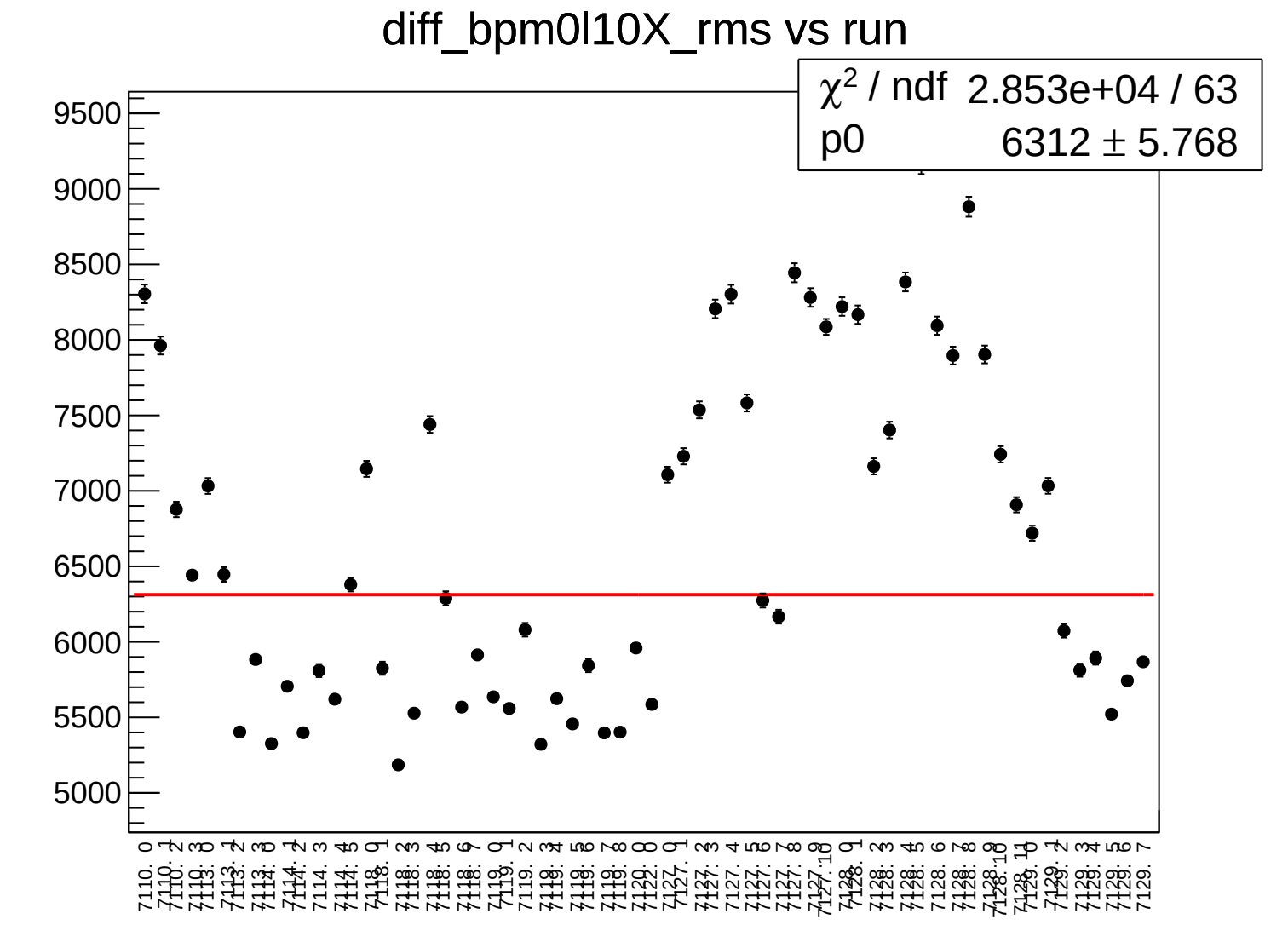

diff_bpm0l09Y_mean vs run
χ^2 / ndf 85.71 / 63
p0 −0.6658 ± 1.867
pull
Entries 64
Mean 175.4
Std Dev 0

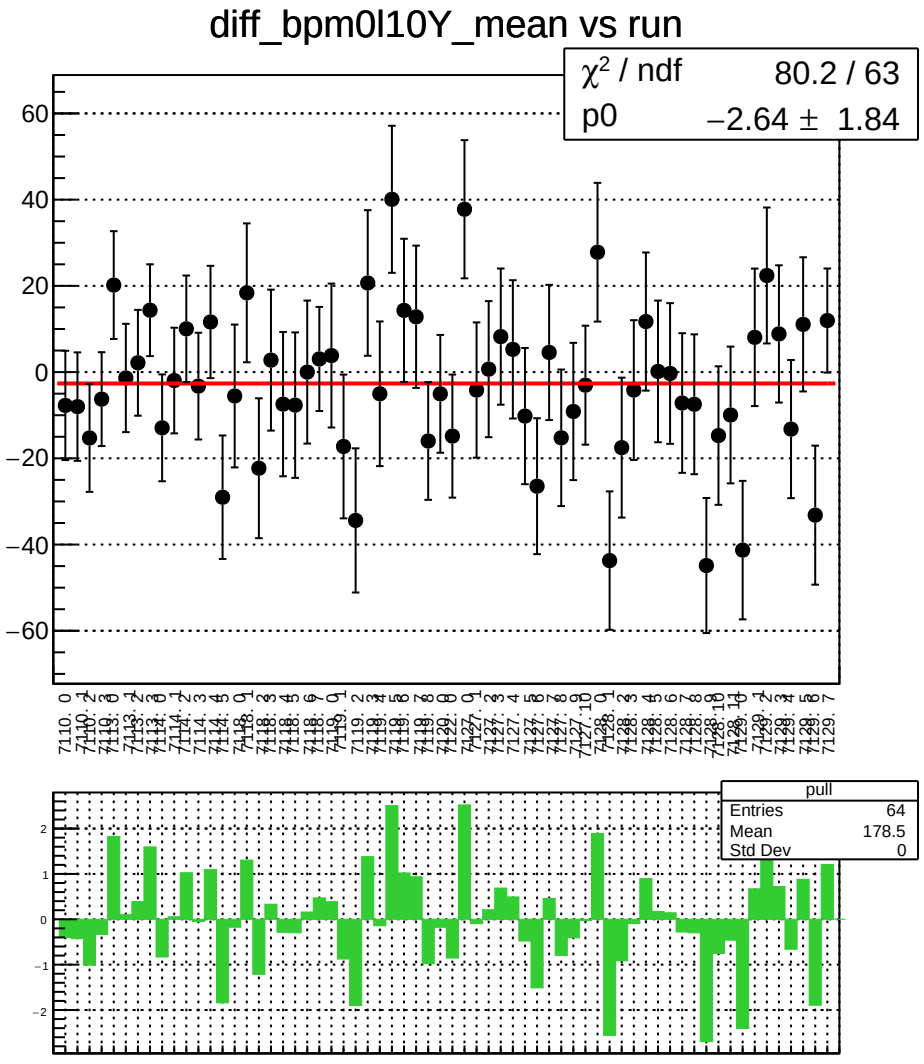

pull1D
Entries 64
Mean −0.02567
Std Dev 1.157

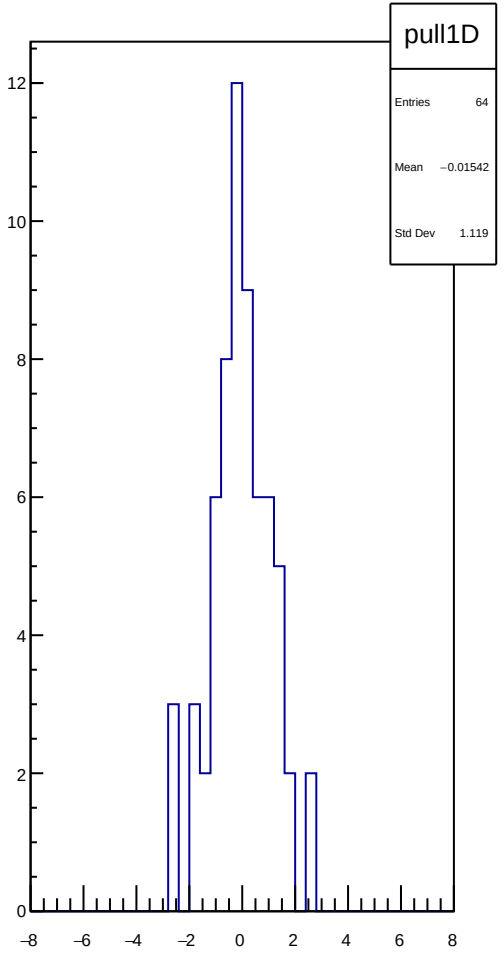

diff_bpm0l09Y_rms vs run
χ² / ndf 1.716e+04 / 63
p0 1452 ± 1.32
1700
1600
1500
1400
1300
1200
1100

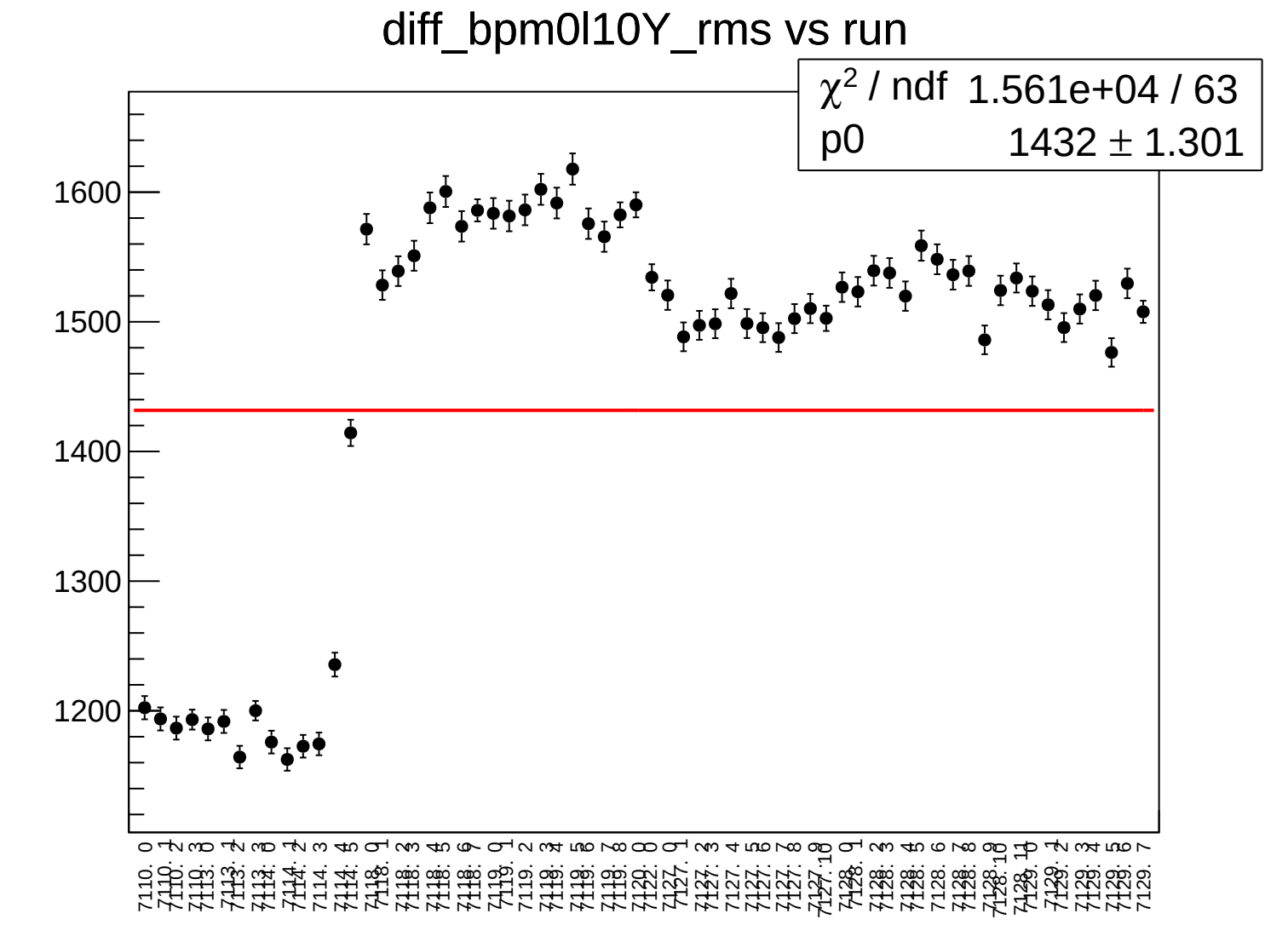

diff_bpm0l10X_mean vs run
χ^2 / ndf 69.52 / 63
p0 1.748 ± 8.157
200
100
0
−100
−200
pull
Entries 64
Mean 56.05
Std Dev 11.55
2
1
0
−1
−2

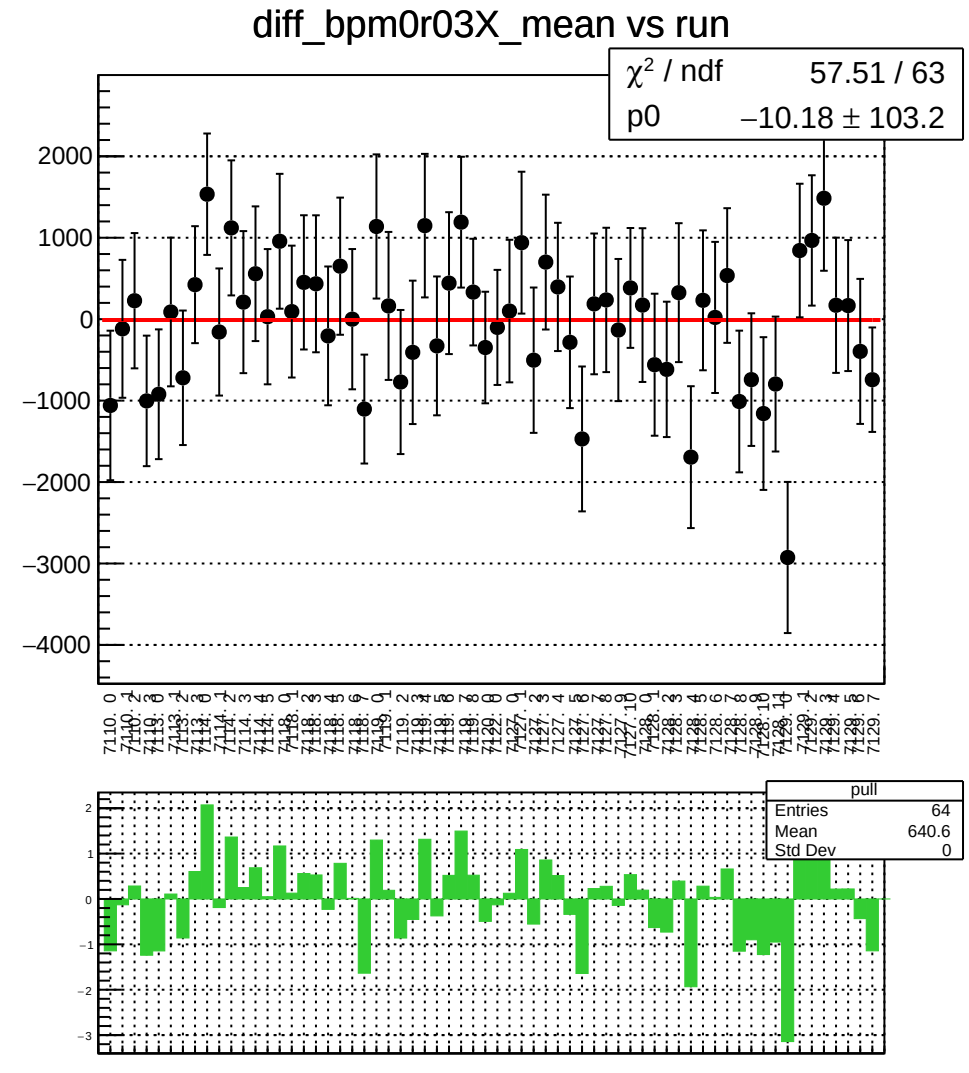

pull1D
Entries 64
Mean 0.01785
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

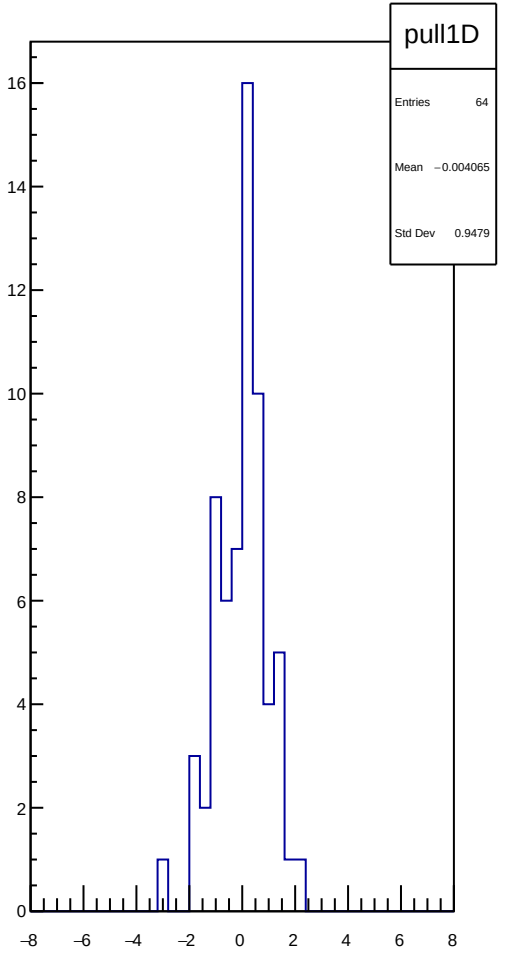

diff_bpm0l10X_rms vs run
χ^2 / ndf 2.853e+04 / 63
p0 6312 ± 5.768
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000

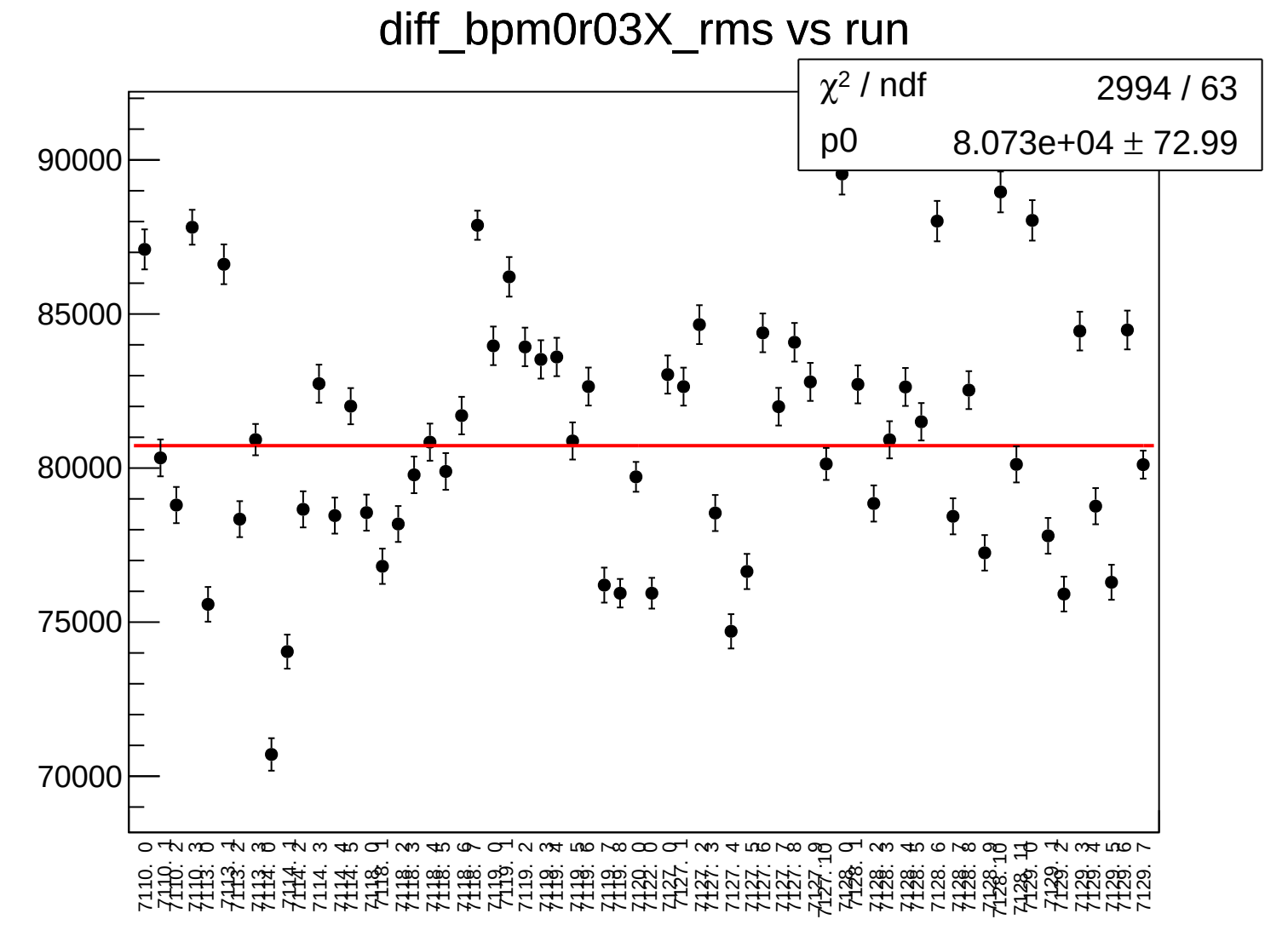

diff_bpm0l10Y_mean vs run
χ² / ndf 80.2 / 63
p0 −2.64 ± 1.84
pull
Entries 64
Mean 178.5
Std Dev 0

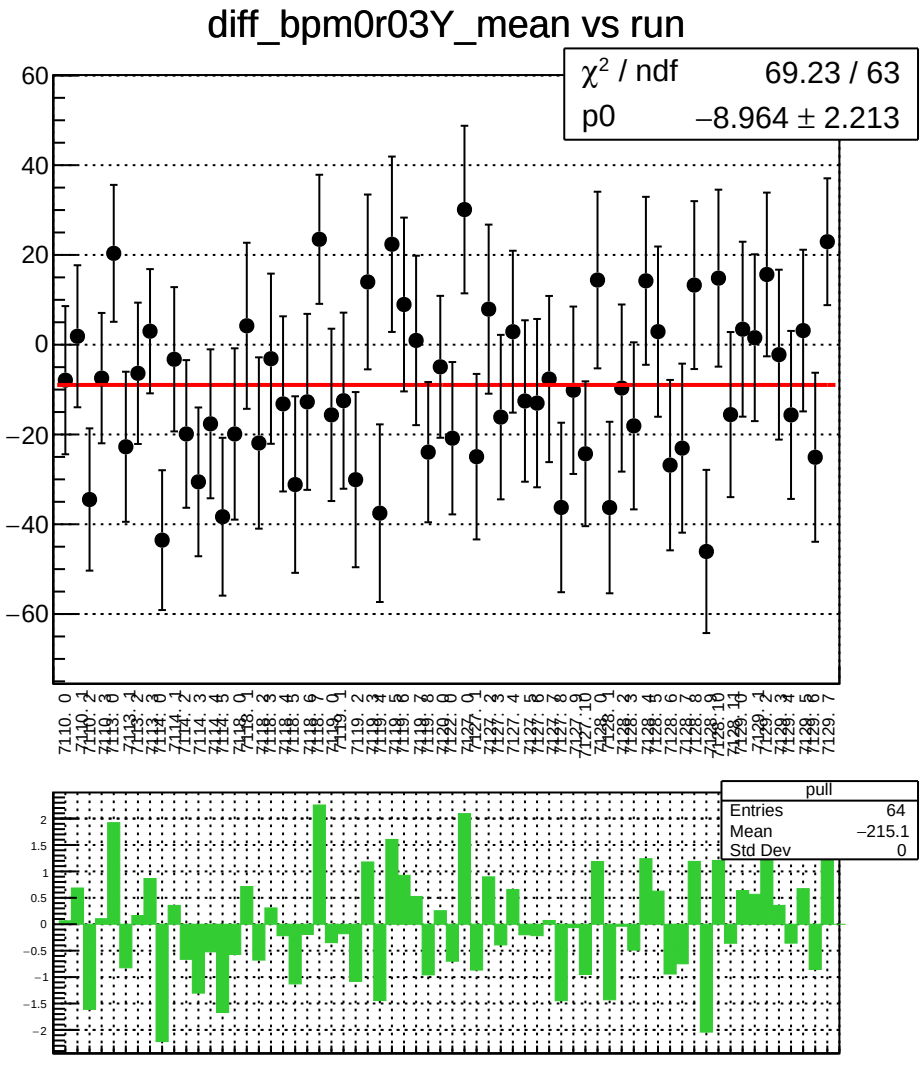

pull1D
Entries 64
Mean −0.01542
Std Dev 1.119

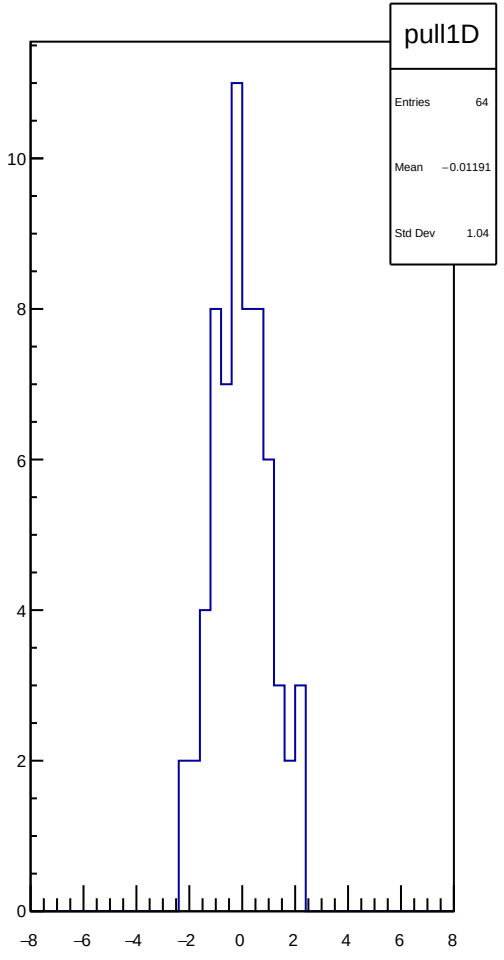

diff_bpm0l10Y_rms vs run
χ² / ndf 1.561e+04 / 63
p0 1432 ± 1.301
1600
1500
1400
1300
1200

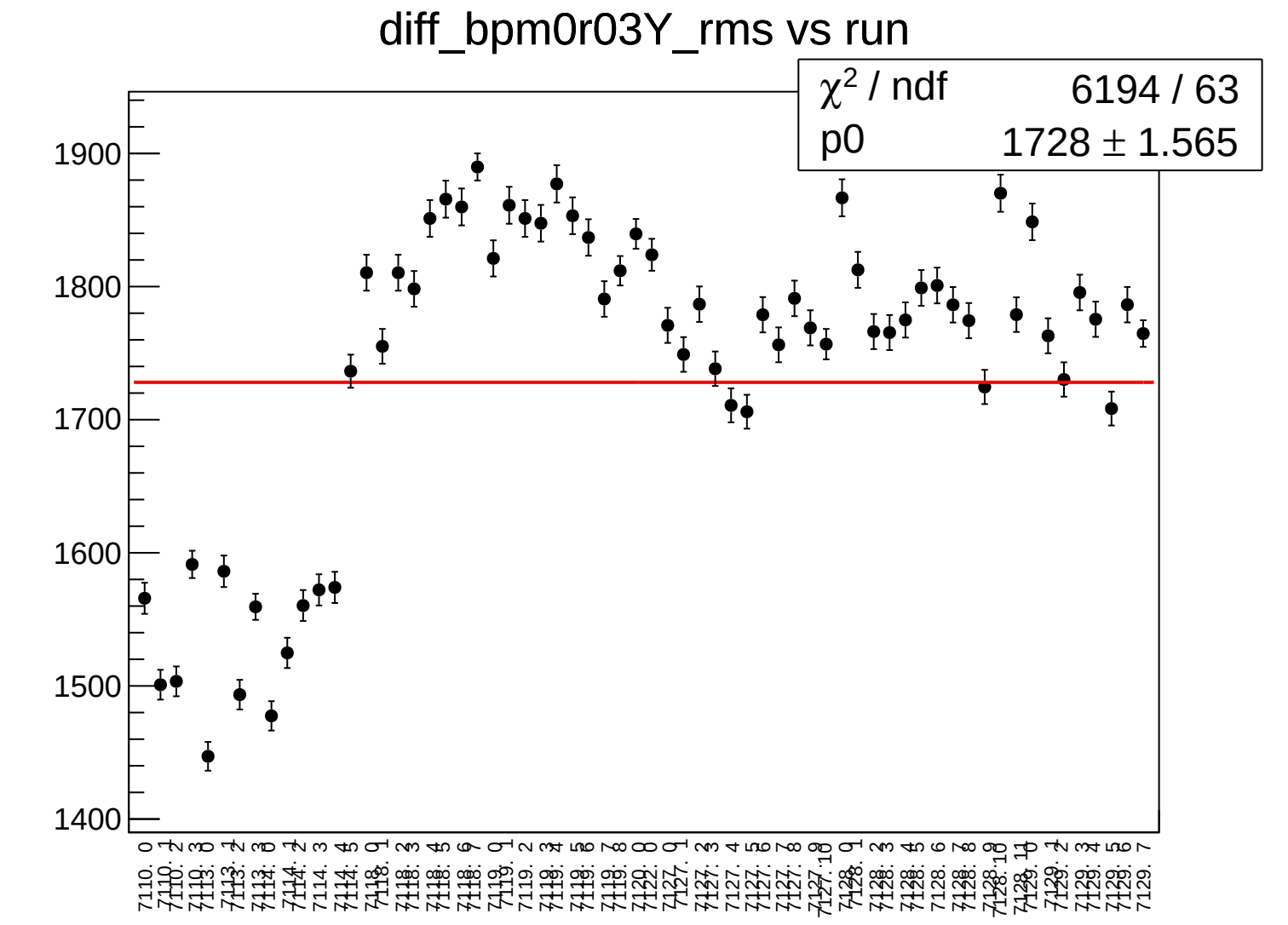

diff_bpm0r03X_mean vs run
χ² / ndf 57.51 / 63
p0 −10.18 ± 103.2
pull
Entries 64
Mean 640.6
Std Dev 0

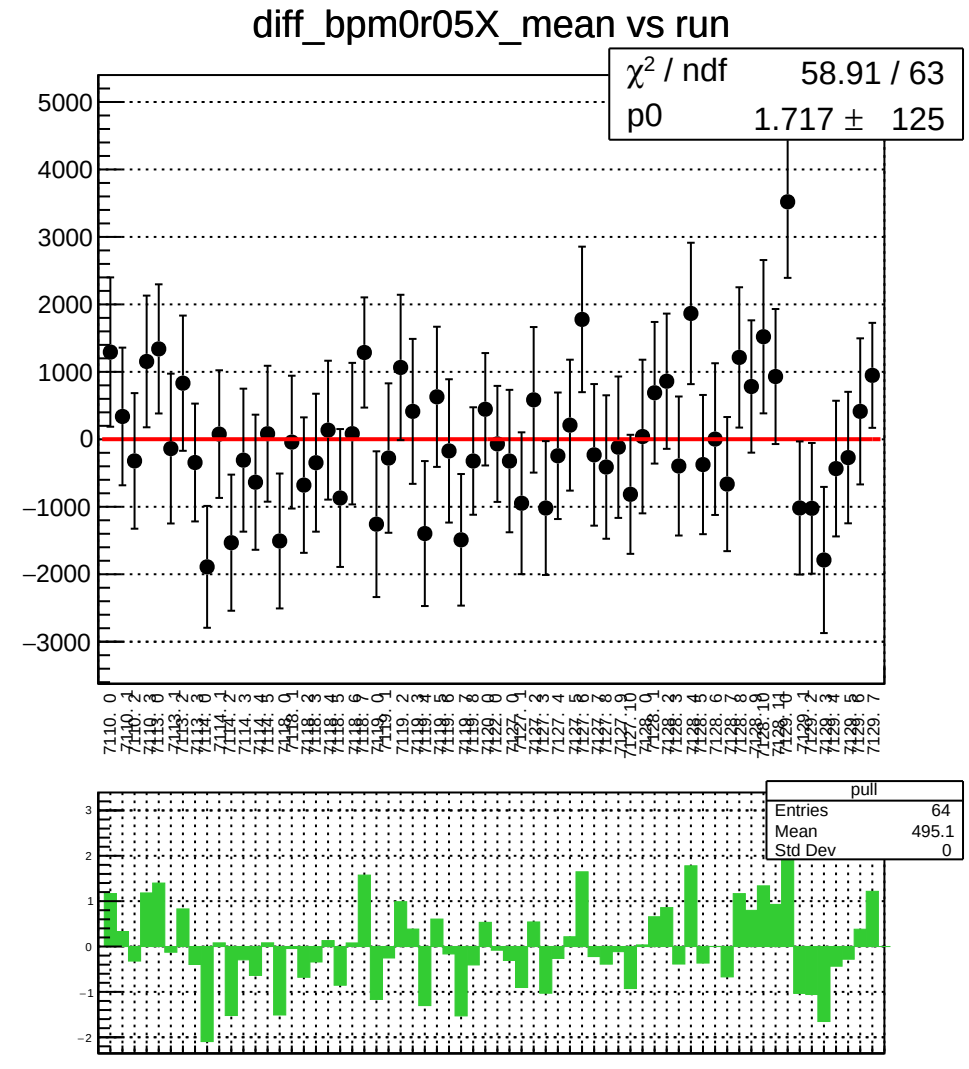

pull1D
Entries 64
Mean −0.004065
Std Dev 0.9479

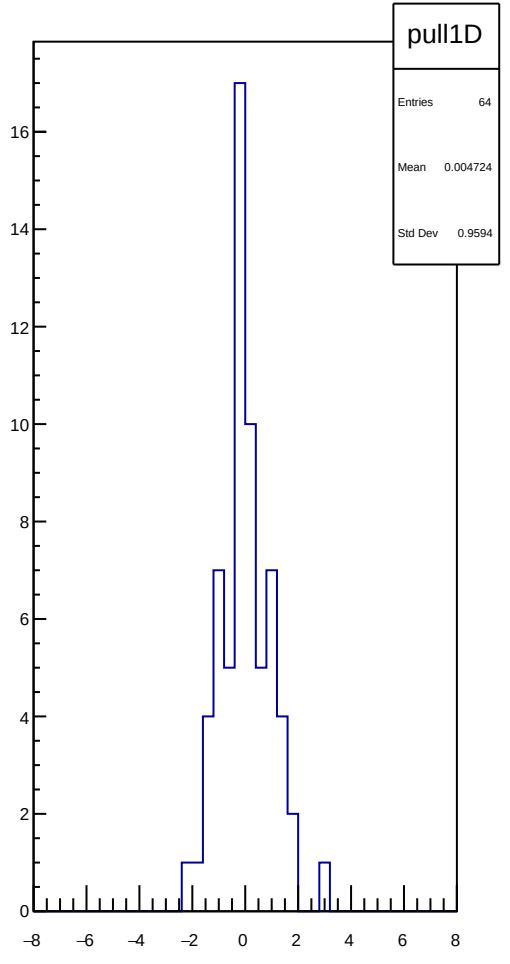

diff_bpm0r03X_rms vs run
χ² / ndf 2994 / 63
p0 8.073e+04 ± 72.99
90000
85000
80000
75000
70000

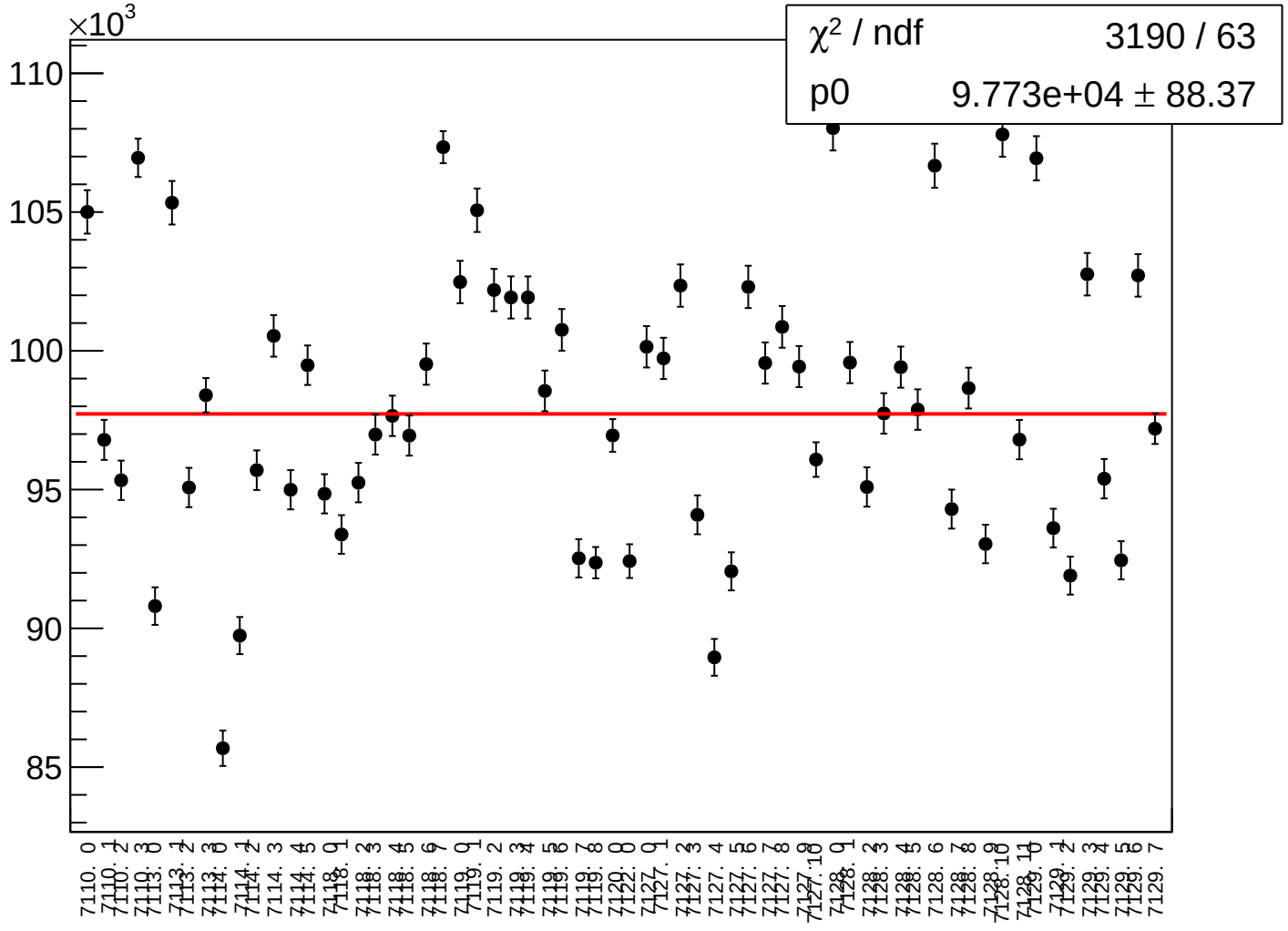

diff_bpm0r03Y_mean vs run
χ² / ndf 69.23 / 63
p0 −8.964 ± 2.213
pull
Entries 64
Mean −215.1
Std Dev 0

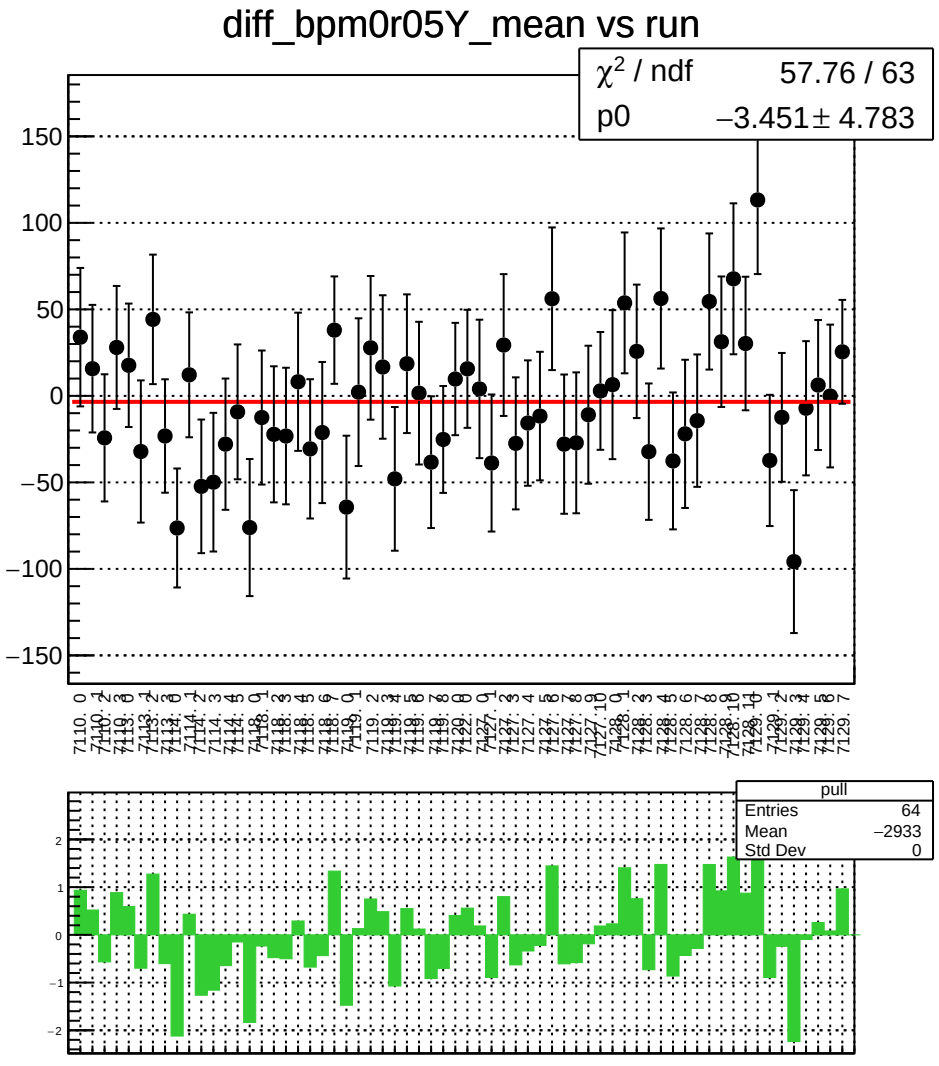

pull1D
Entries 64
Mean −0.01191
Std Dev 1.04

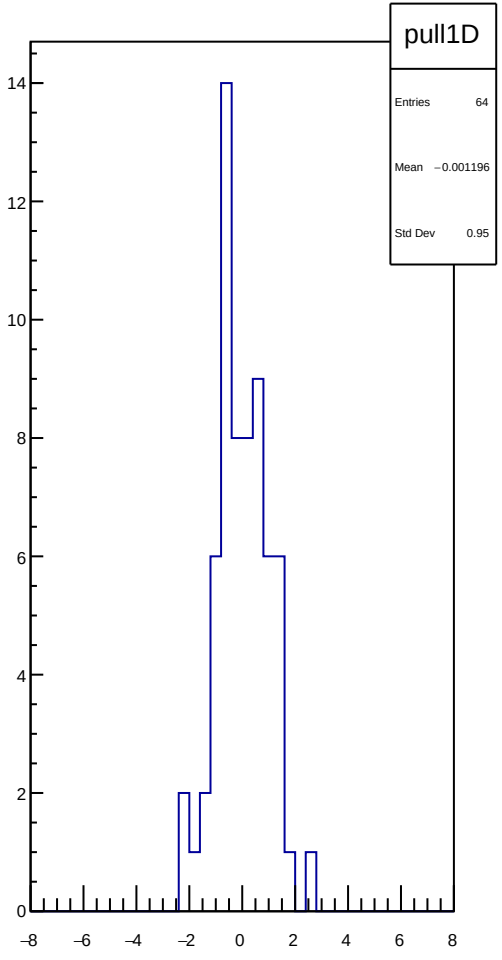

diff_bpm0r03Y_rms vs run
χ² / ndf 6194 / 63
p0 1728 ± 1.565
1900
1800
1700
1600
1500
1400

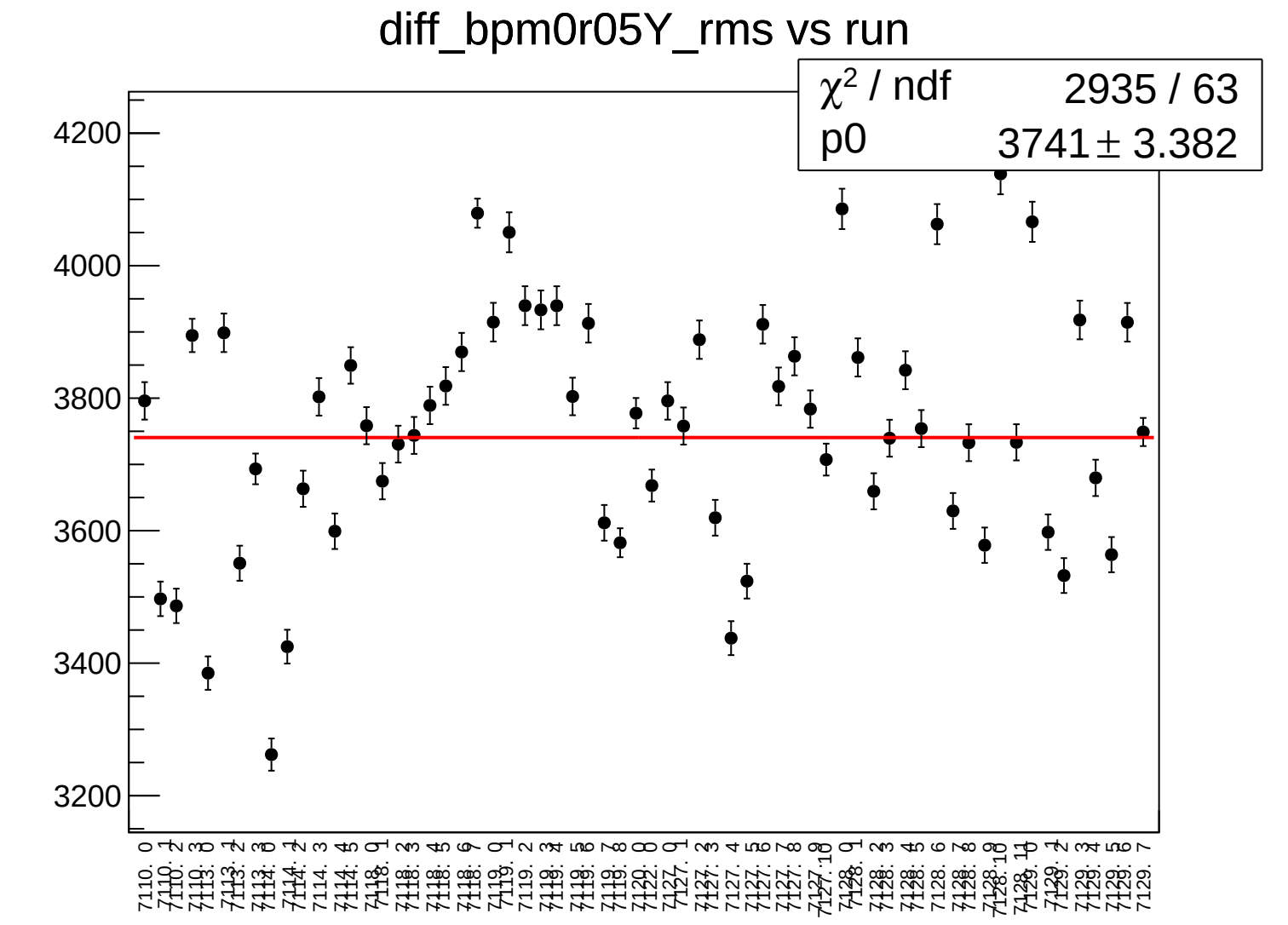

diff_bpm0r05X_mean vs run
χ² / ndf 58.91 / 63
p0 1.717 ± 125
pull
Entries 64
Mean 495.1
Std Dev 0

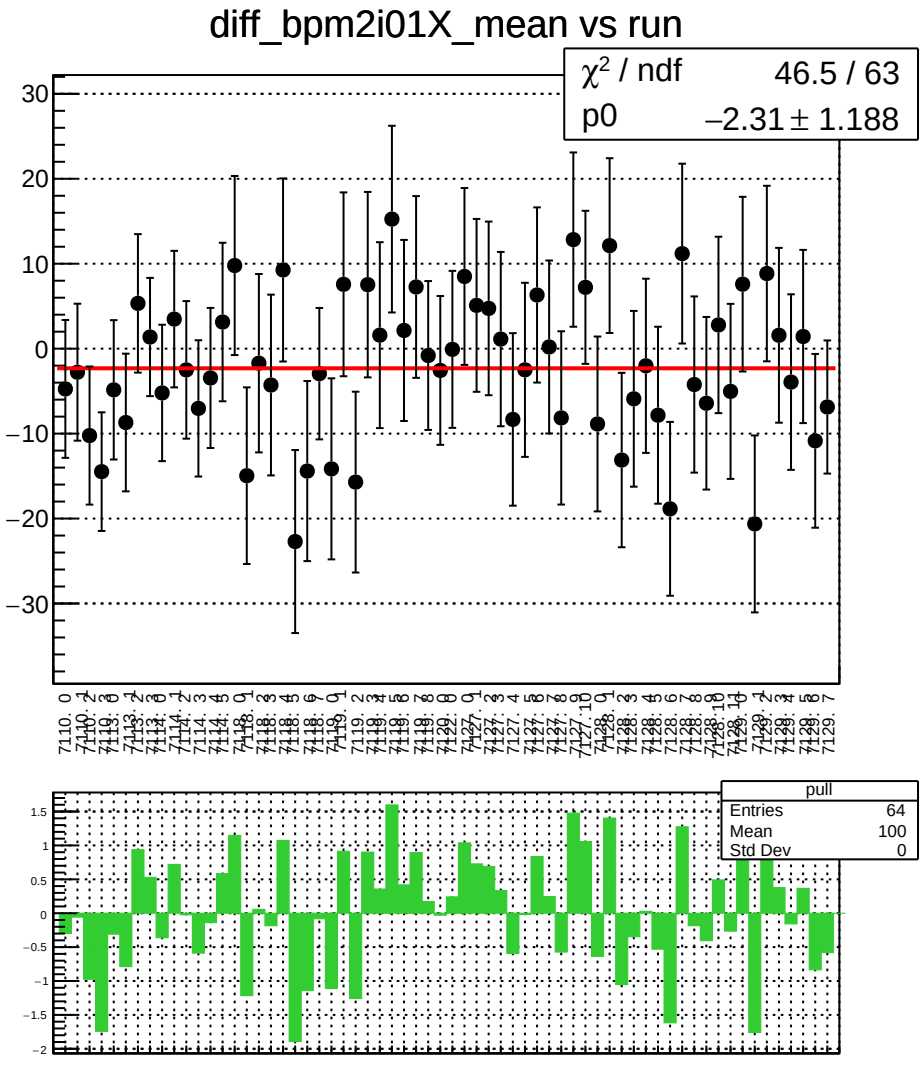

pull1D
Entries 64
Mean 0.004724
Std Dev 0.9594

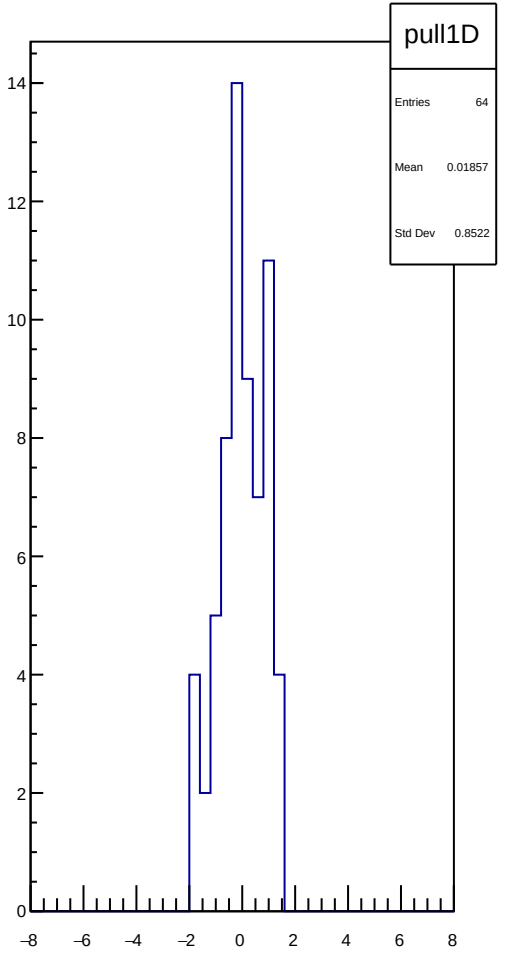

diff_bpm0r05X_rms vs run
×10^3
χ² / ndf 3190 / 63
p0 9.773e+04 ± 88.37
110
105
100
95
90
85

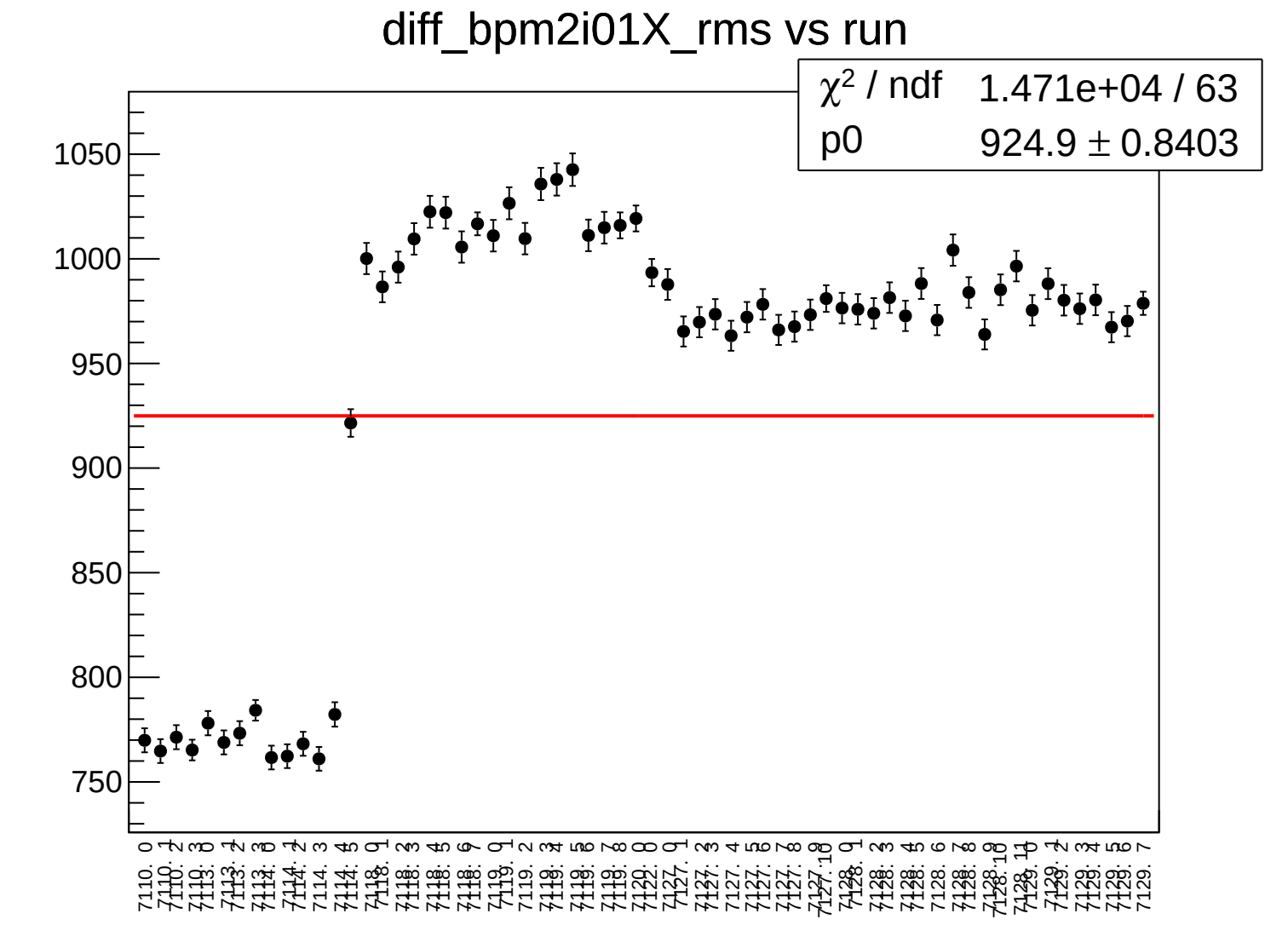

diff_bpm0r05Y_mean vs run
χ² / ndf 57.76 / 63
p0 −3.451 ± 4.783
pull
Entries 64
Mean −2933
Std Dev 0

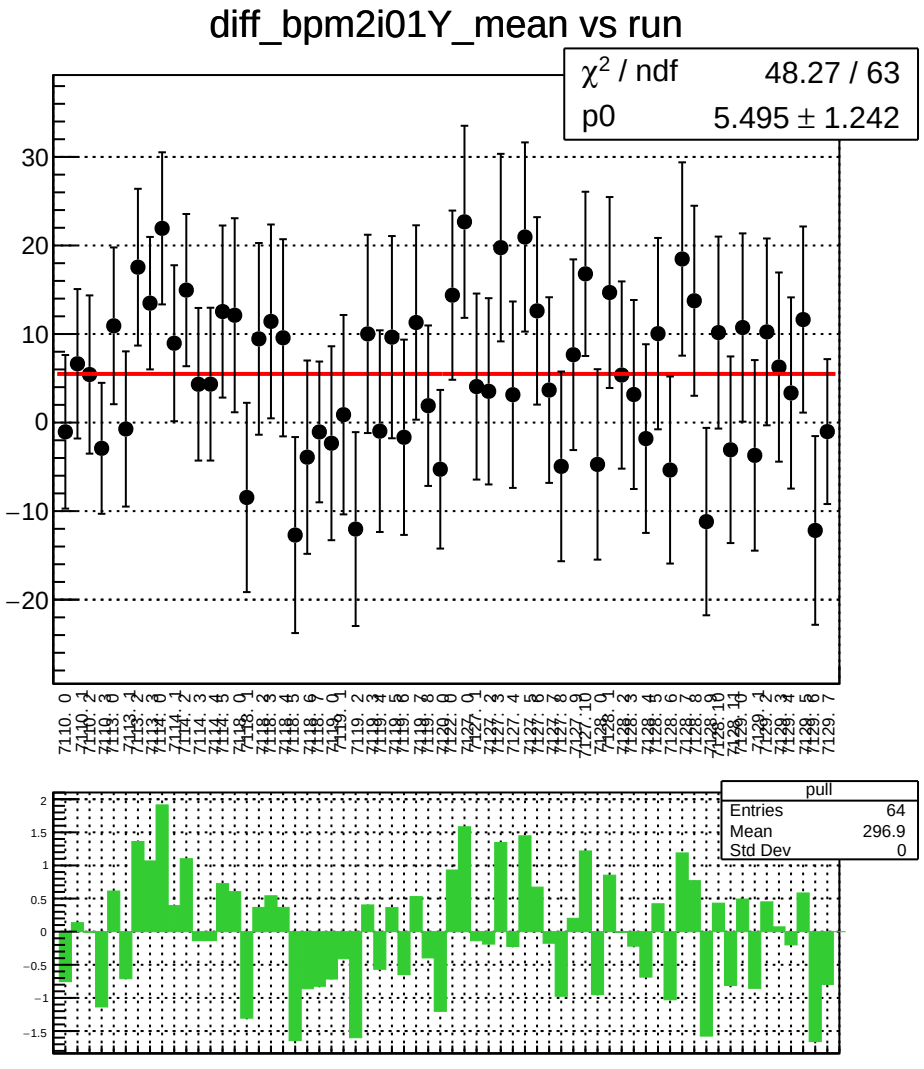

pull1D
Entries 64
Mean −0.001196
Std Dev 0.95

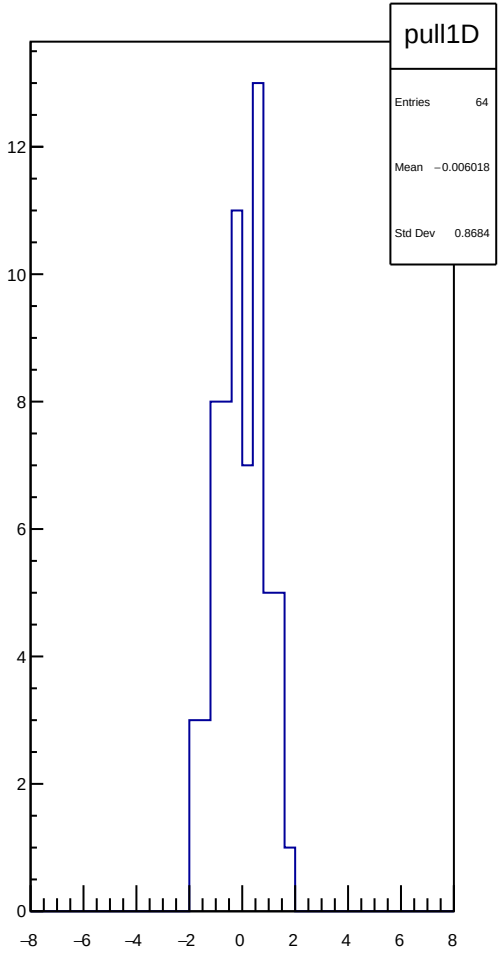

diff_bpm0r05Y_rms vs run
χ² / ndf 2935 / 63
p0 3741 ± 3.382
4200
4000
3800
3600
3400
3200

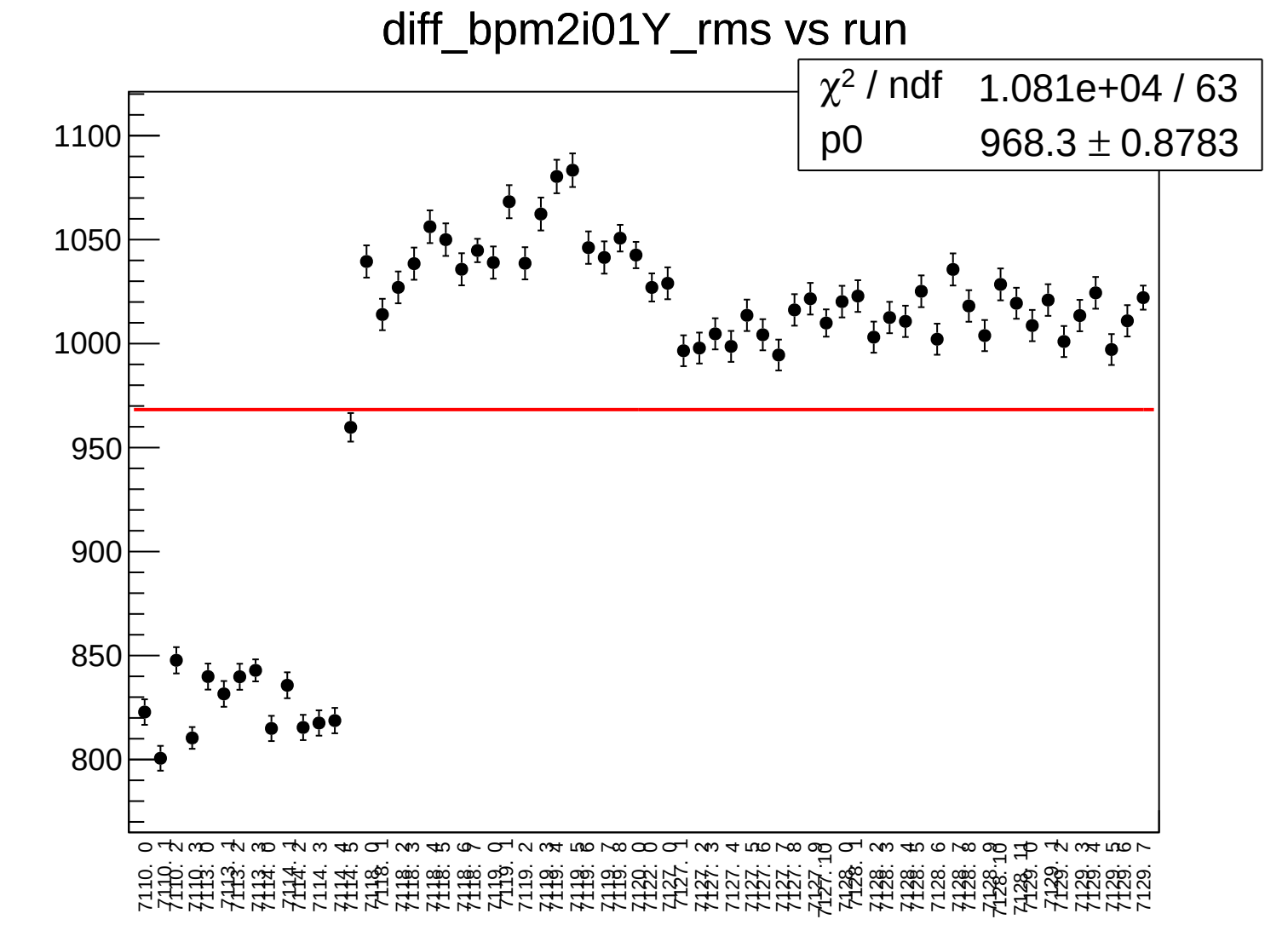

diff_bpm2i01X_mean vs run
χ² / ndf 46.5 / 63
p0 −2.31 ± 1.188
pull
Entries 64
Mean 100
Std Dev 0

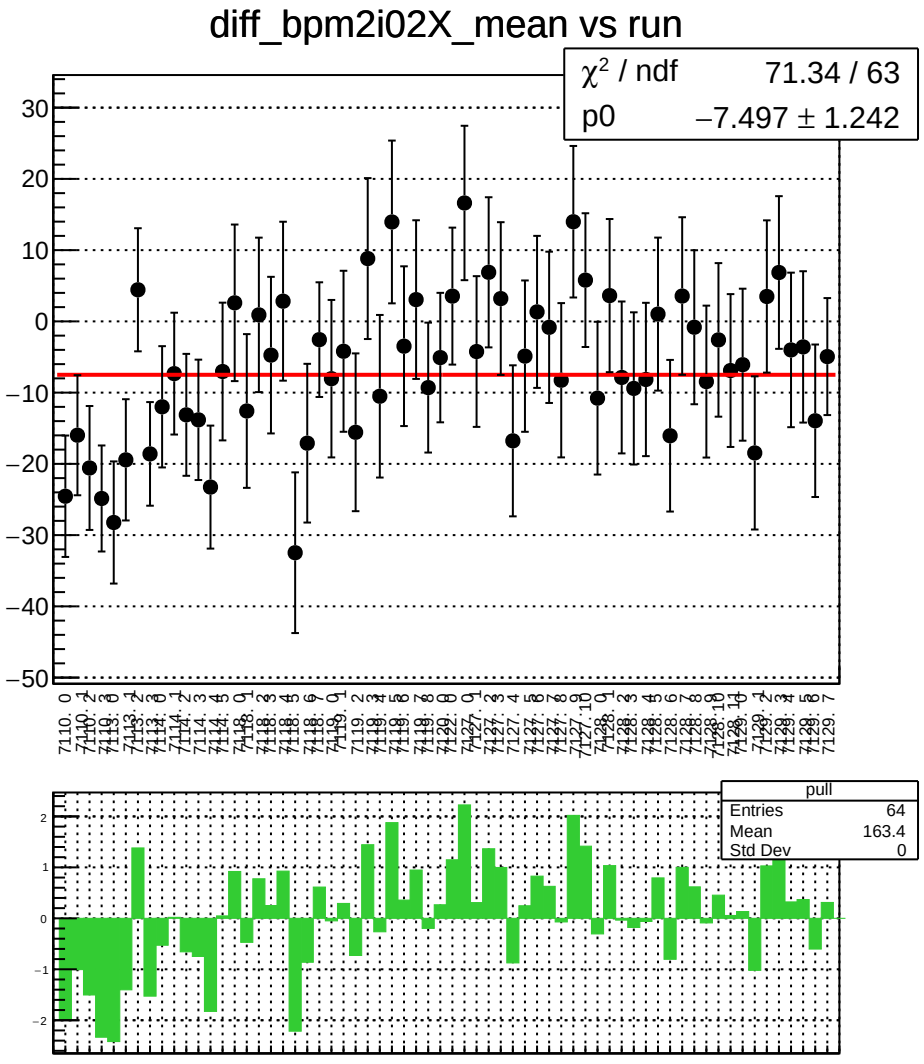

pull1D
Entries 64
Mean 0.01857
Std Dev 0.8522

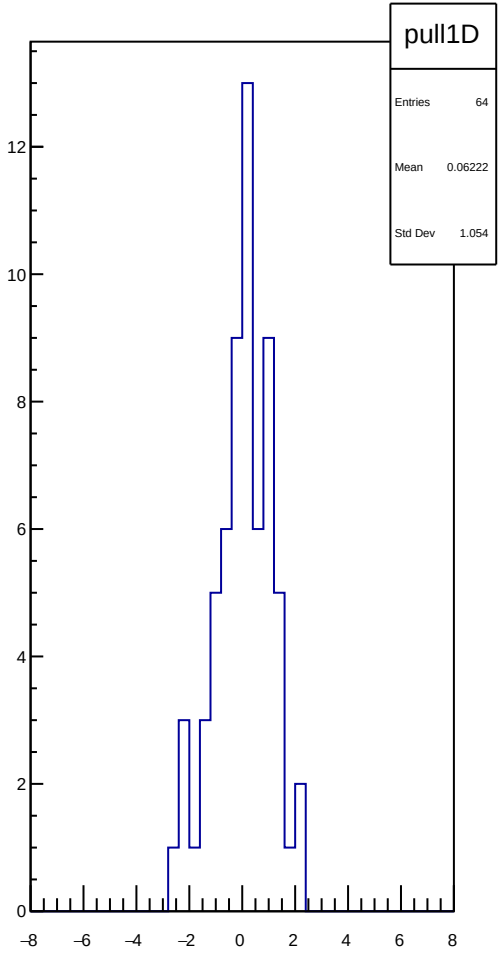

diff_bpm2i01X_rms vs run
χ² / ndf 1.471e+04 / 63
p0 924.9 ± 0.8403
1050
1000
950
900
850
800
750

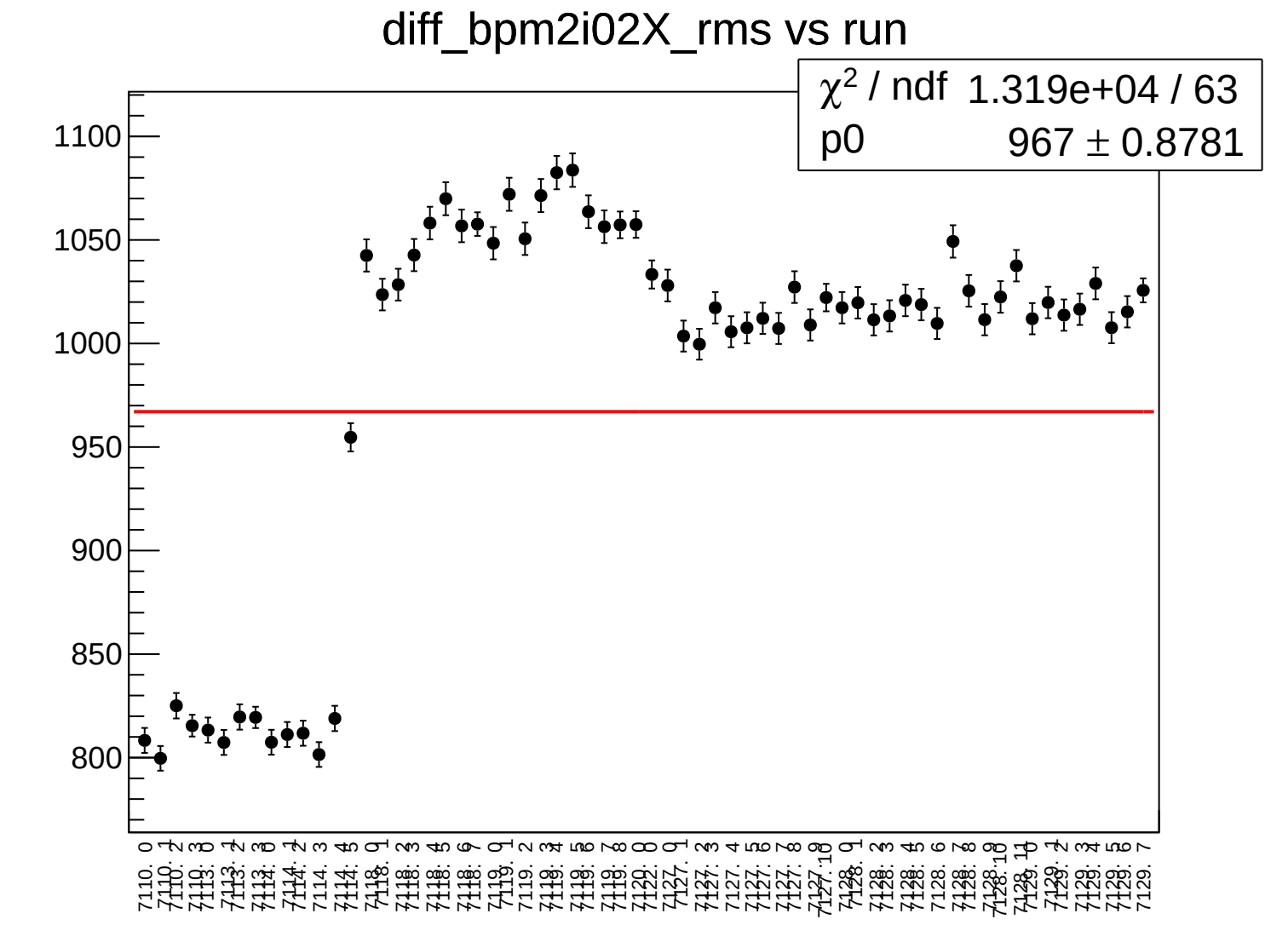

diff_bpm2i01Y_mean vs run
χ^2 / ndf 48.27 / 63
p0 5.495 ± 1.242
pull
Entries 64
Mean 296.9
Std Dev 0

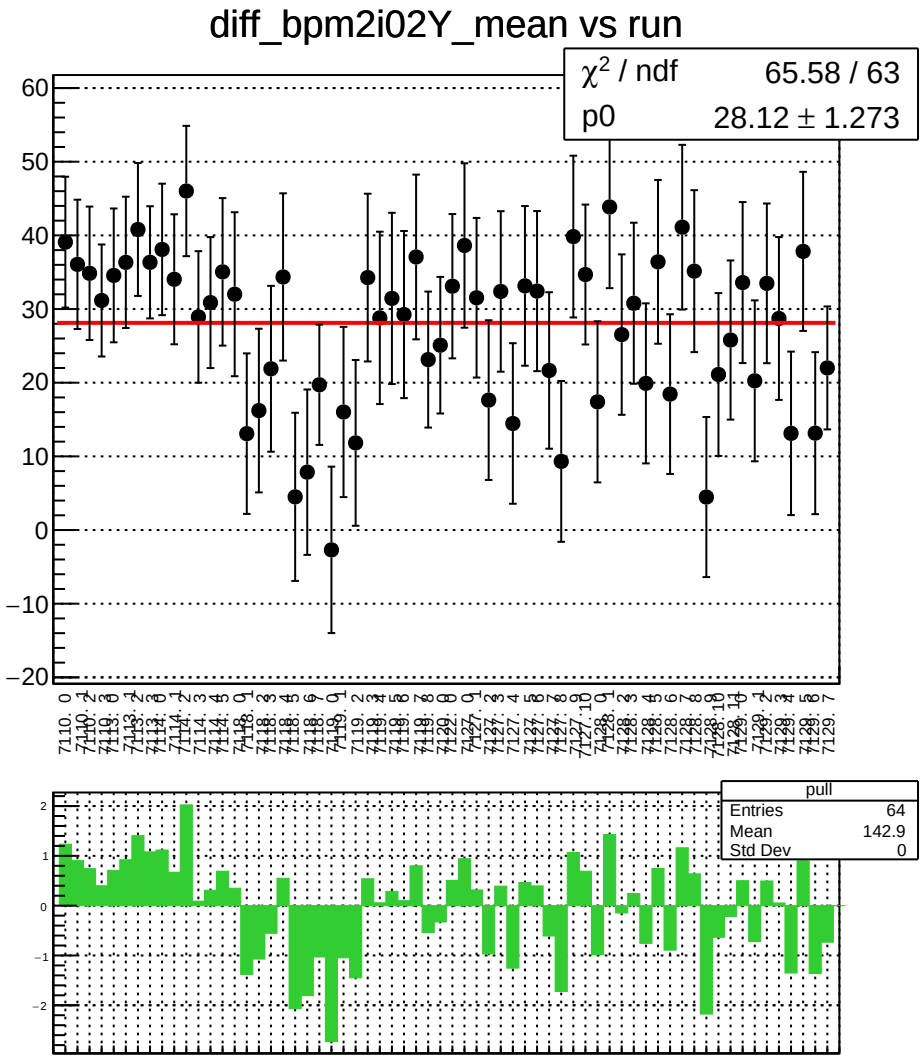

pull1D
Entries 64
Mean −0.006018
Std Dev 0.8684

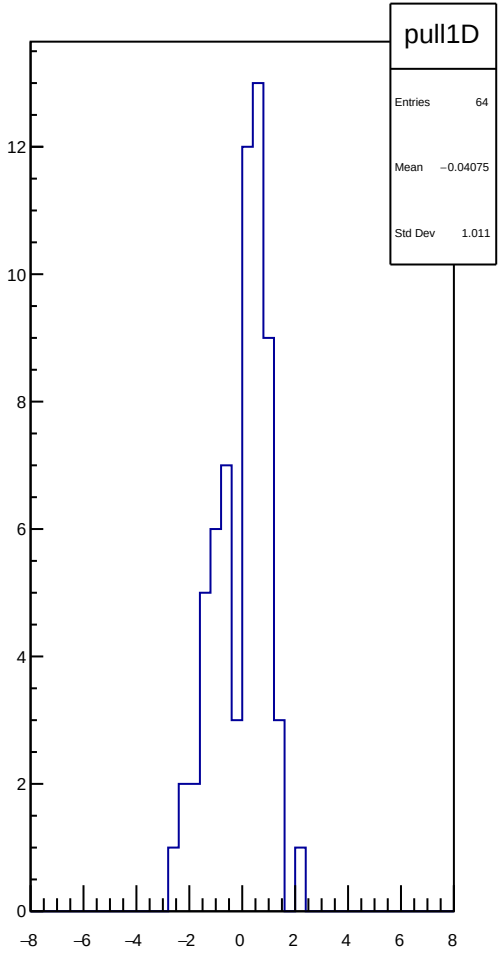

diff_bpm2i01Y_rms vs run
χ² / ndf 1.081e+04 / 63
p0 968.3 ± 0.8783
1100
1050
1000
950
900
850
800

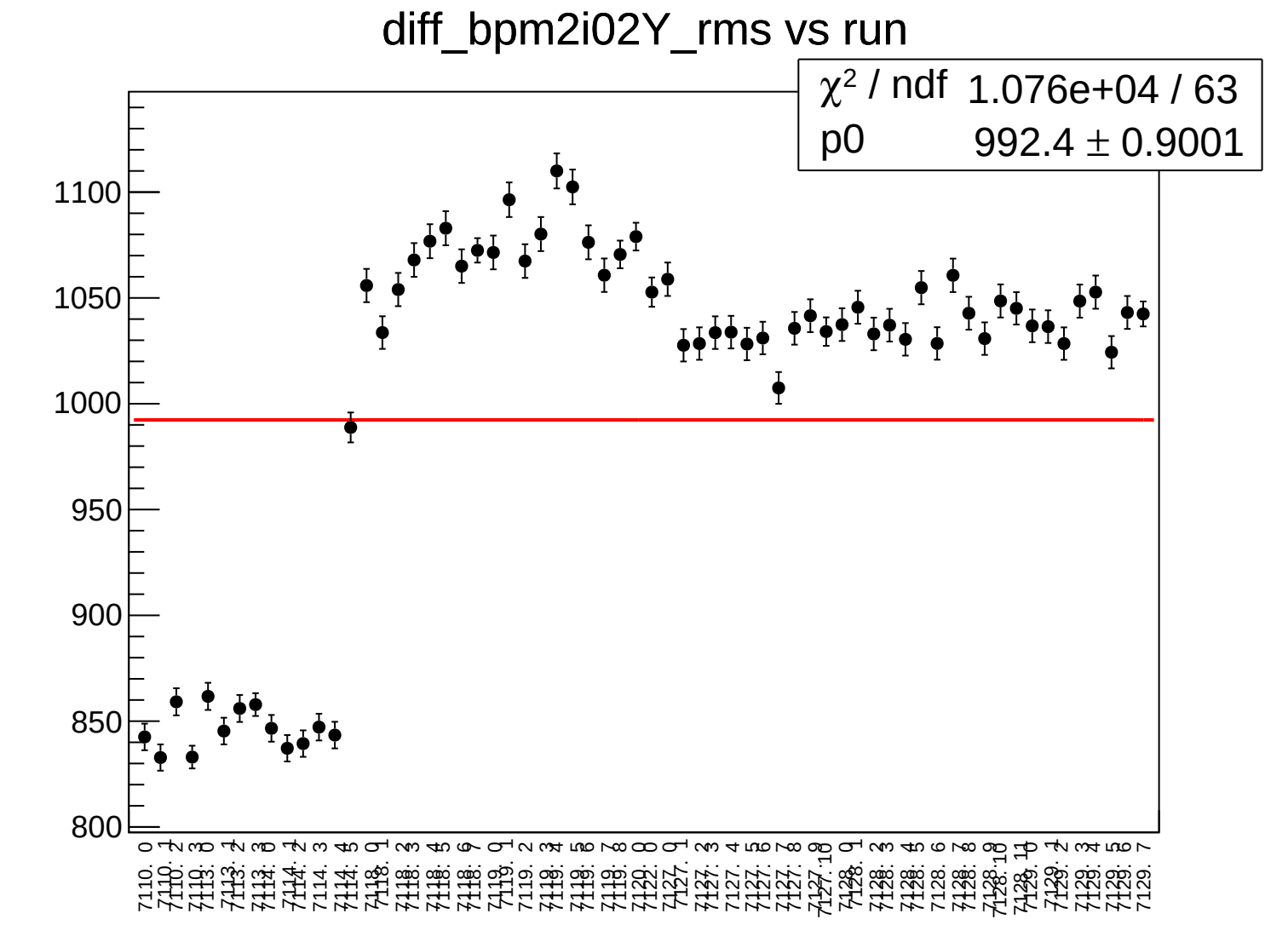

diff_bpm2i02X_mean vs run
χ² / ndf 71.34 / 63
p0 −7.497 ± 1.242
pull
Entries 64
Mean 163.4
Std Dev 0

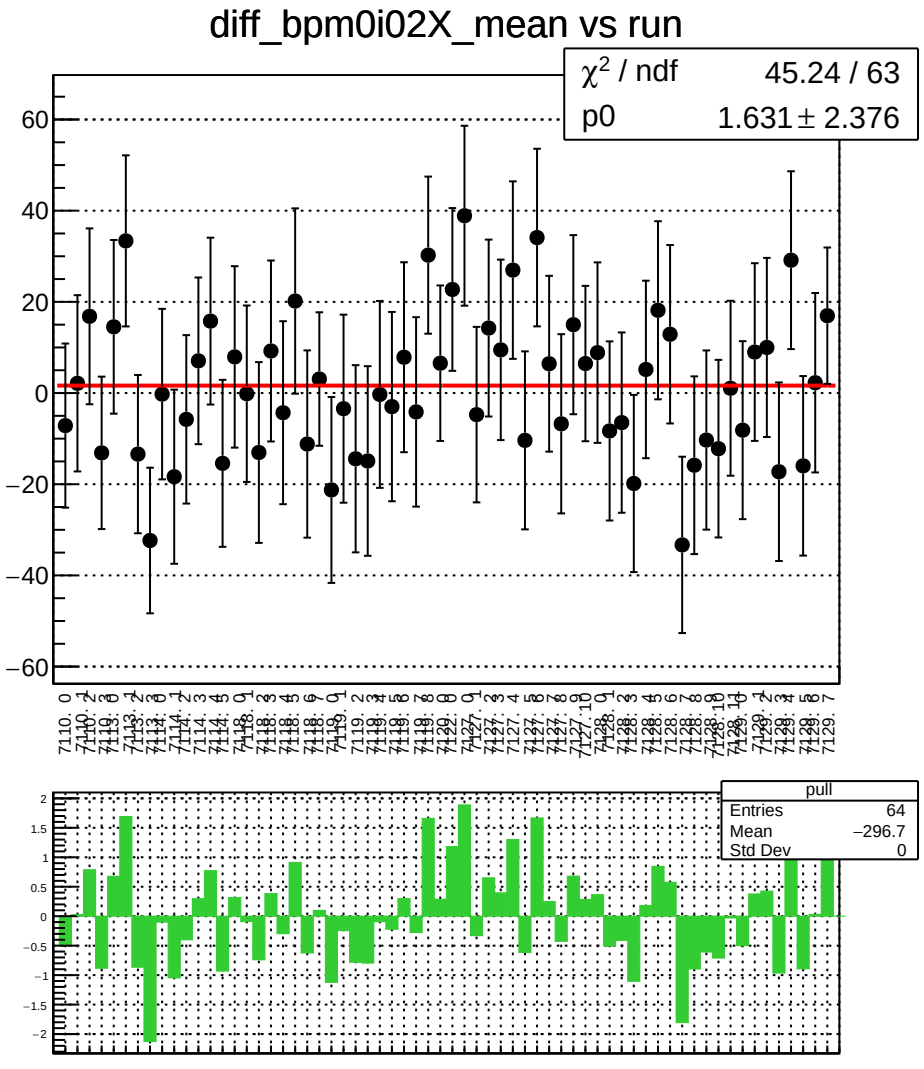

pull1D
Entries 64
Mean 0.06222
Std Dev 1.054

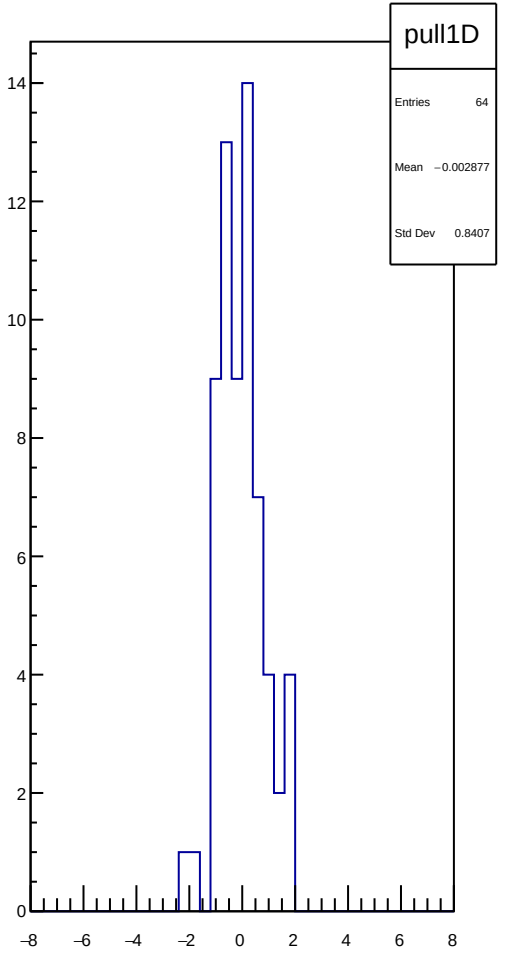

diff_bpm2i02X_rms vs run
χ² / ndf 1.319e+04 / 63
p0 967 ± 0.8781
1100
1050
1000
950
900
850
800

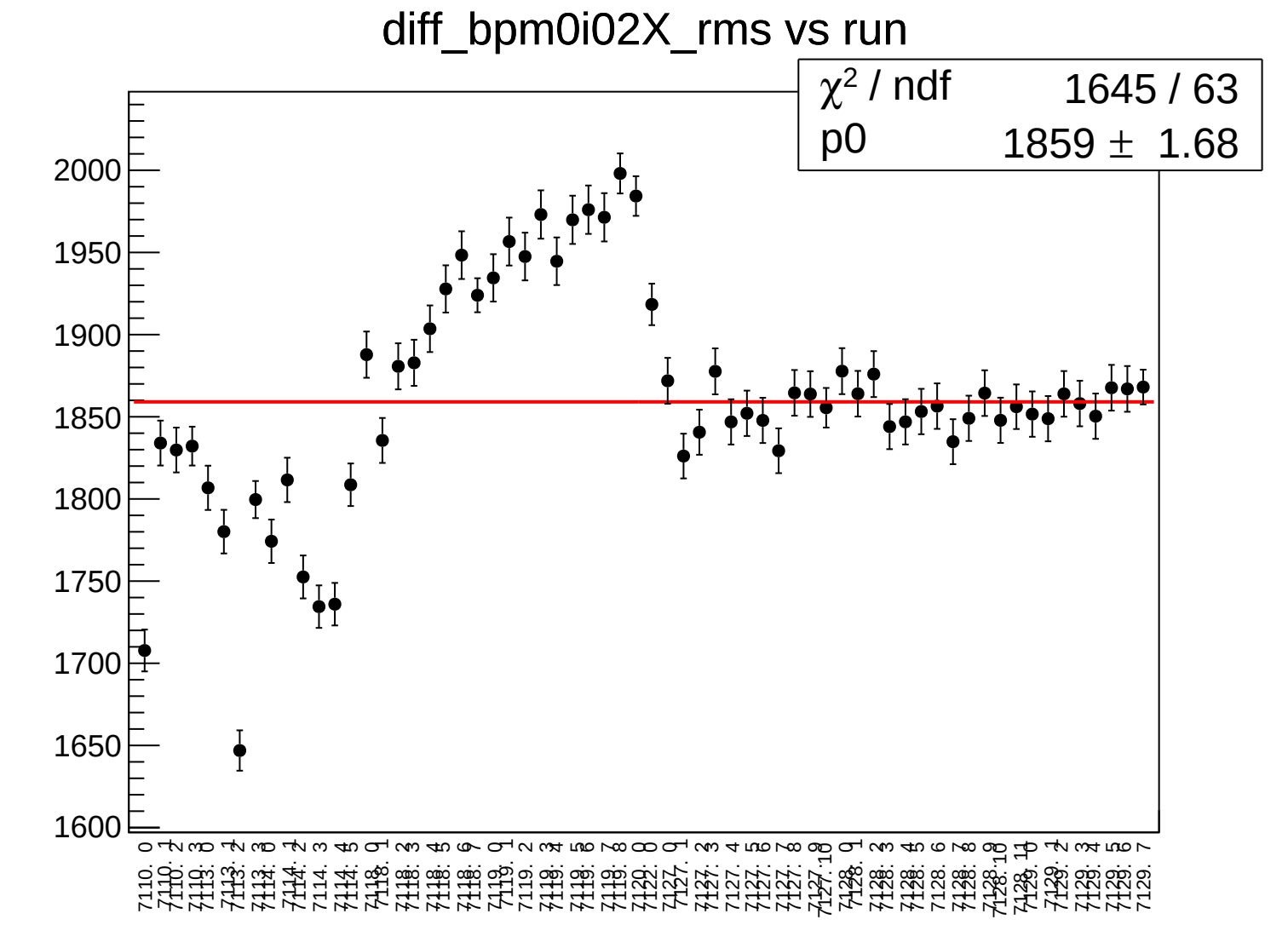

diff_bpm2i02Y_mean vs run
χ² / ndf 65.58 / 63
p0 28.12 ± 1.273
pull
Entries 64
Mean 142.9
Std Dev 0

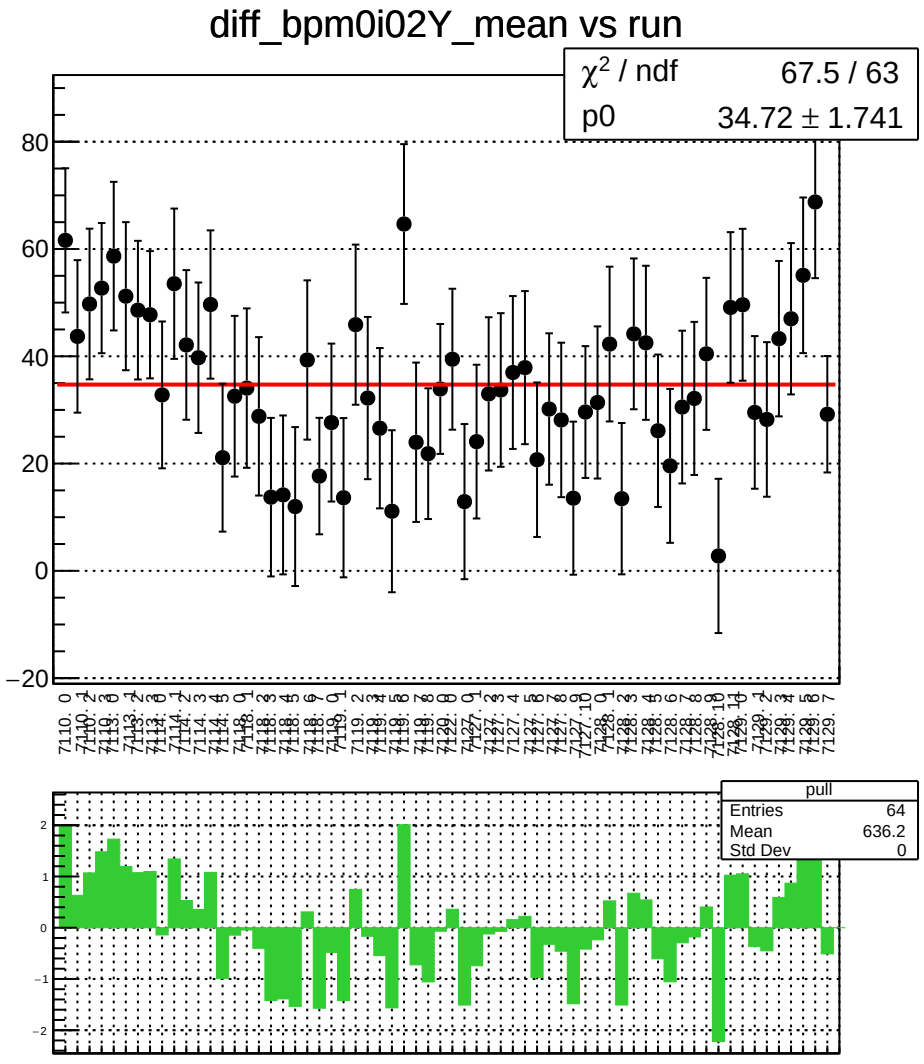

pull1D
Entries 64
Mean −0.04075
Std Dev 1.011

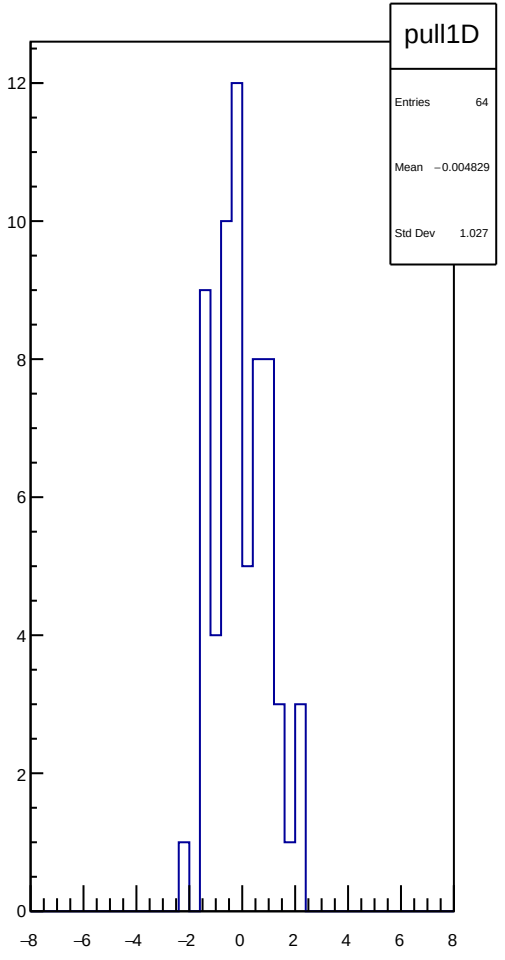

diff_bpm2i02Y_rms vs run
χ² / ndf 1.076e+04 / 63
p0 992.4 ± 0.9001
1100
1050
1000
950
900
850
800

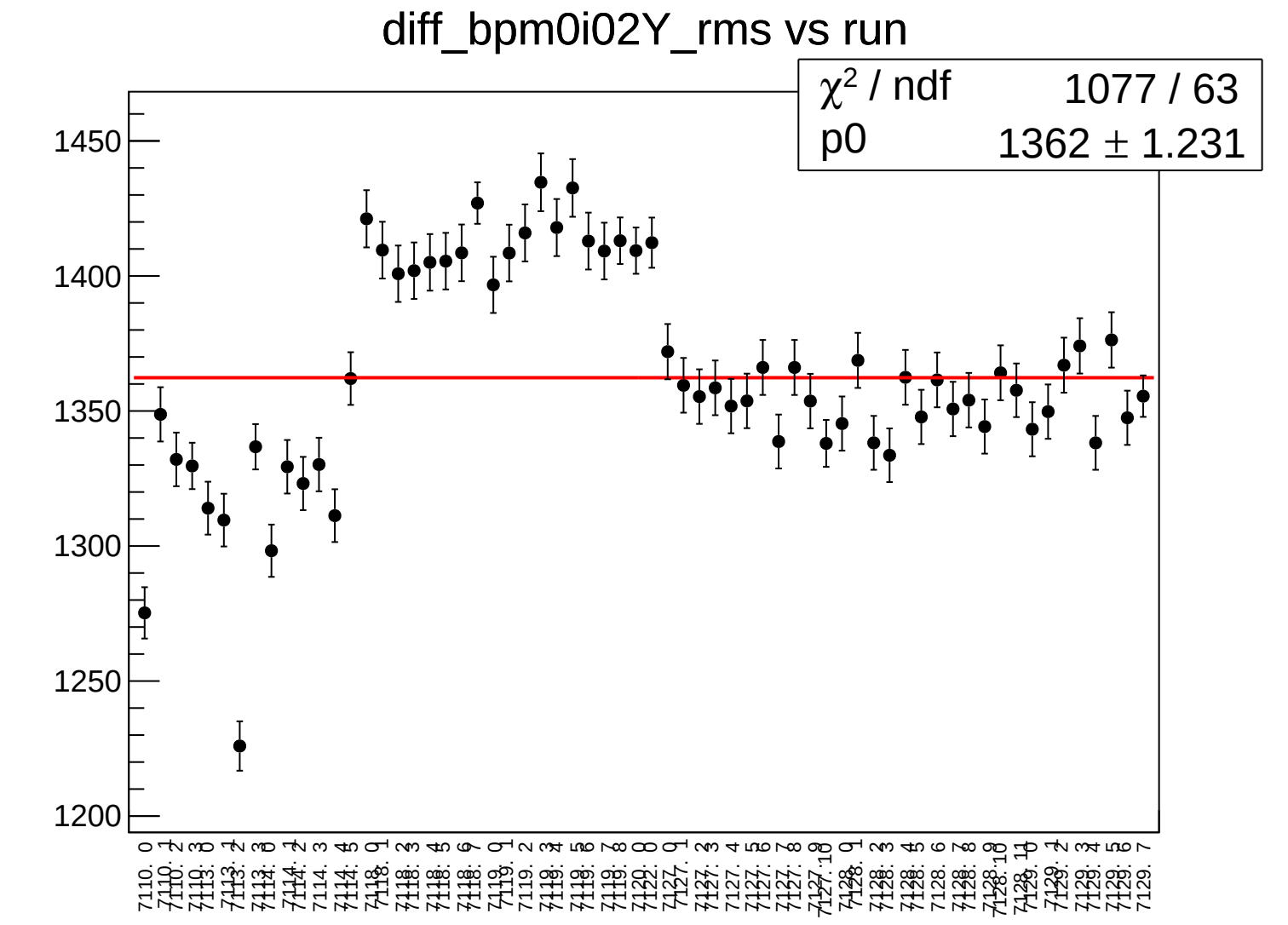

diff_bpm0i02X_mean vs run
χ² / ndf 45.24 / 63
p0 1.631 ± 2.376
pull
Entries 64
Mean −296.7
Std Dev 0

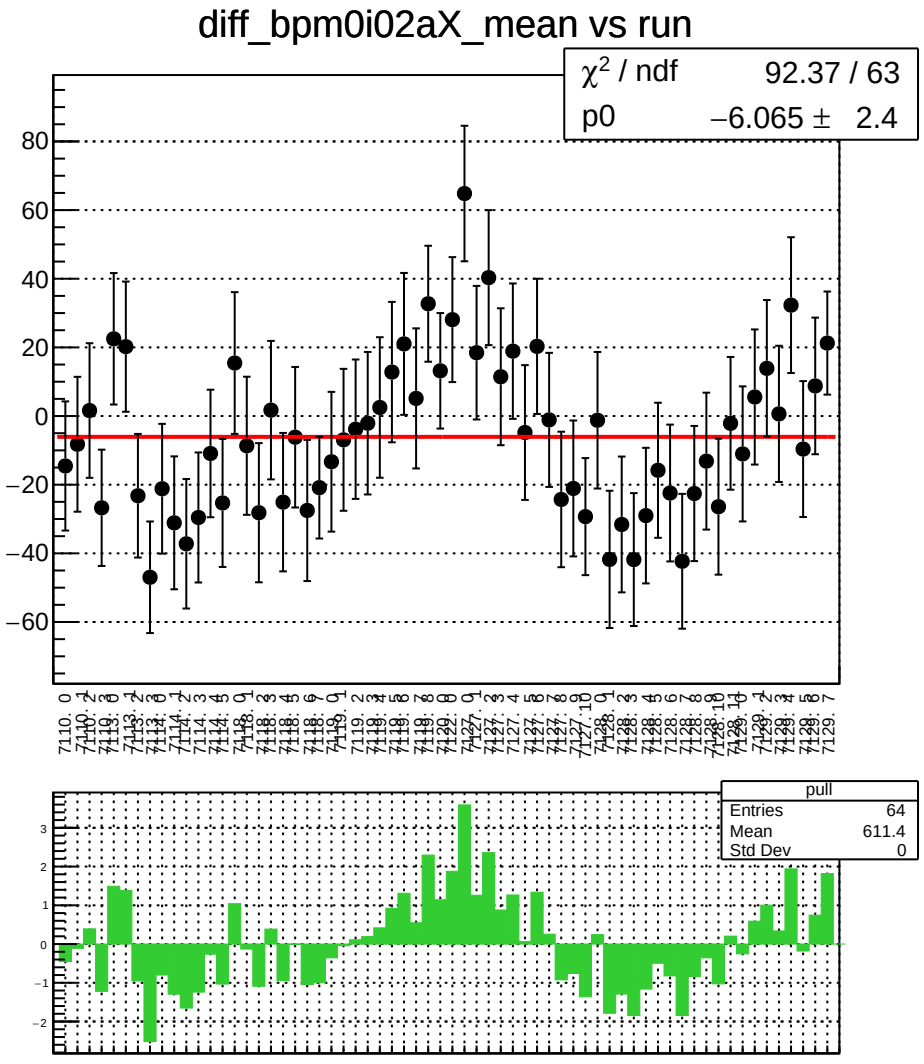

pull1D
Entries 64
Mean −0.002877
Std Dev 0.8407

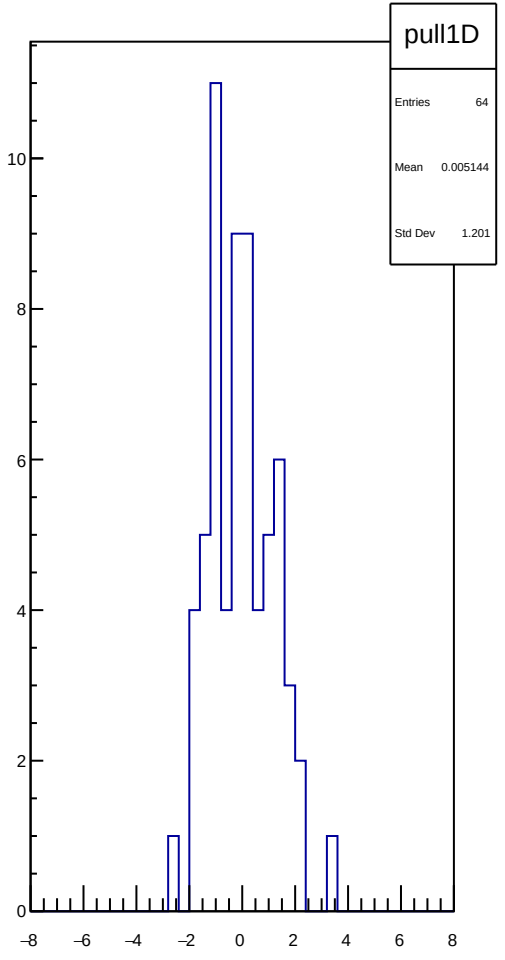

diff_bpm0i02X_rms vs run
χ² / ndf 1645 / 63
p0 1859 ± 1.68
2000
1950
1900
1850
1800
1750
1700
1650
1600

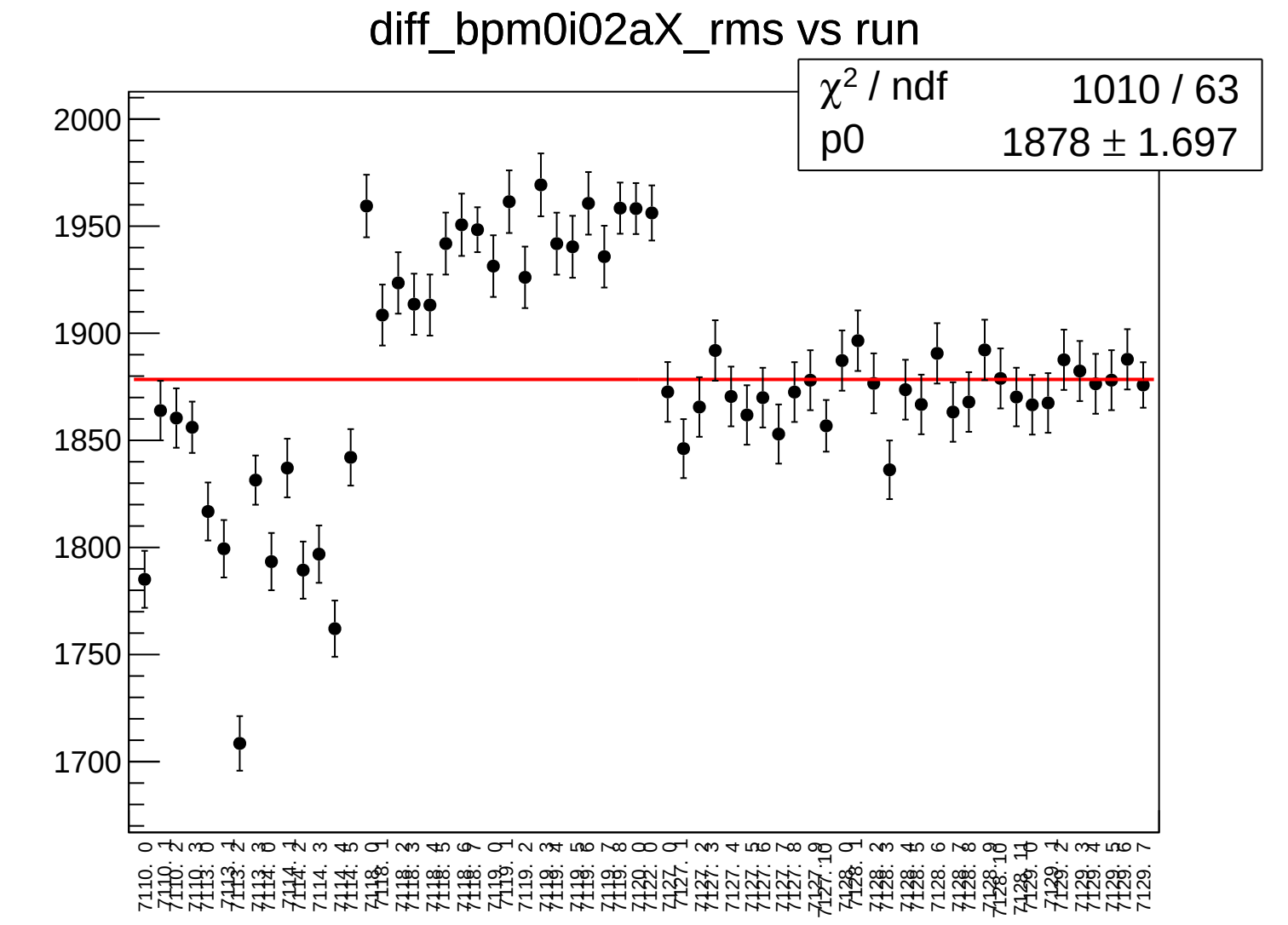

diff_bpm0i02Y_mean vs run
χ² / ndf 67.5 / 63
p0 34.72 ± 1.741
pull
Entries 64
Mean 636.2
Std Dev 0

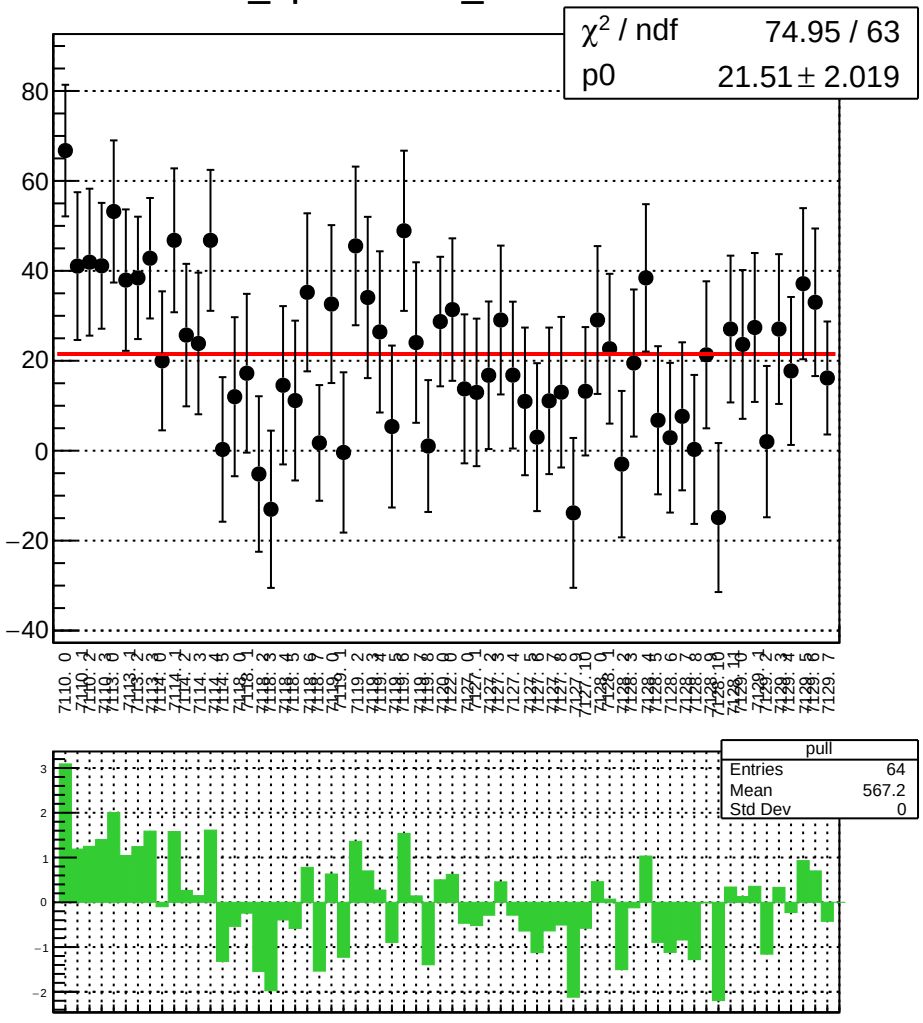

pull1D
Entries 64
Mean −0.004829
Std Dev 1.027

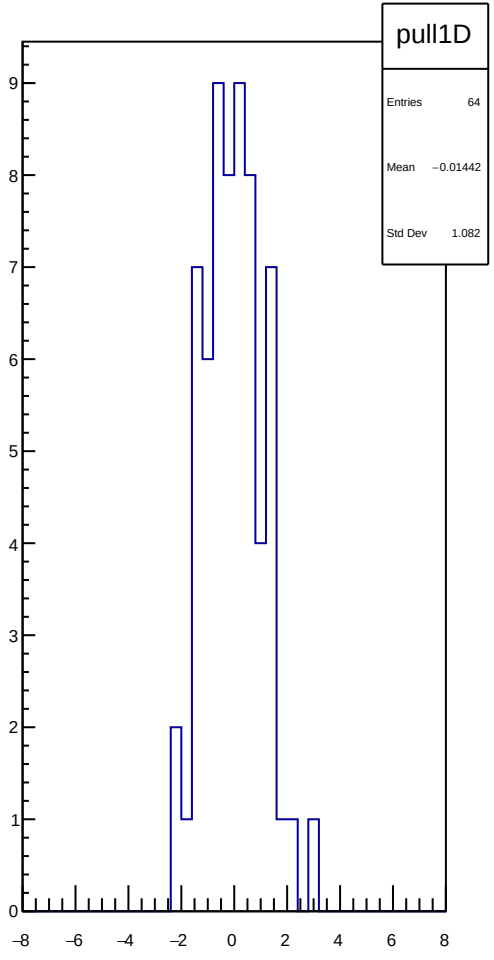

diff_bpm0i02Y_rms vs run
χ² / ndf 1077 / 63
p0 1362 ± 1.231
1450
1400
1350
1300
1250
1200

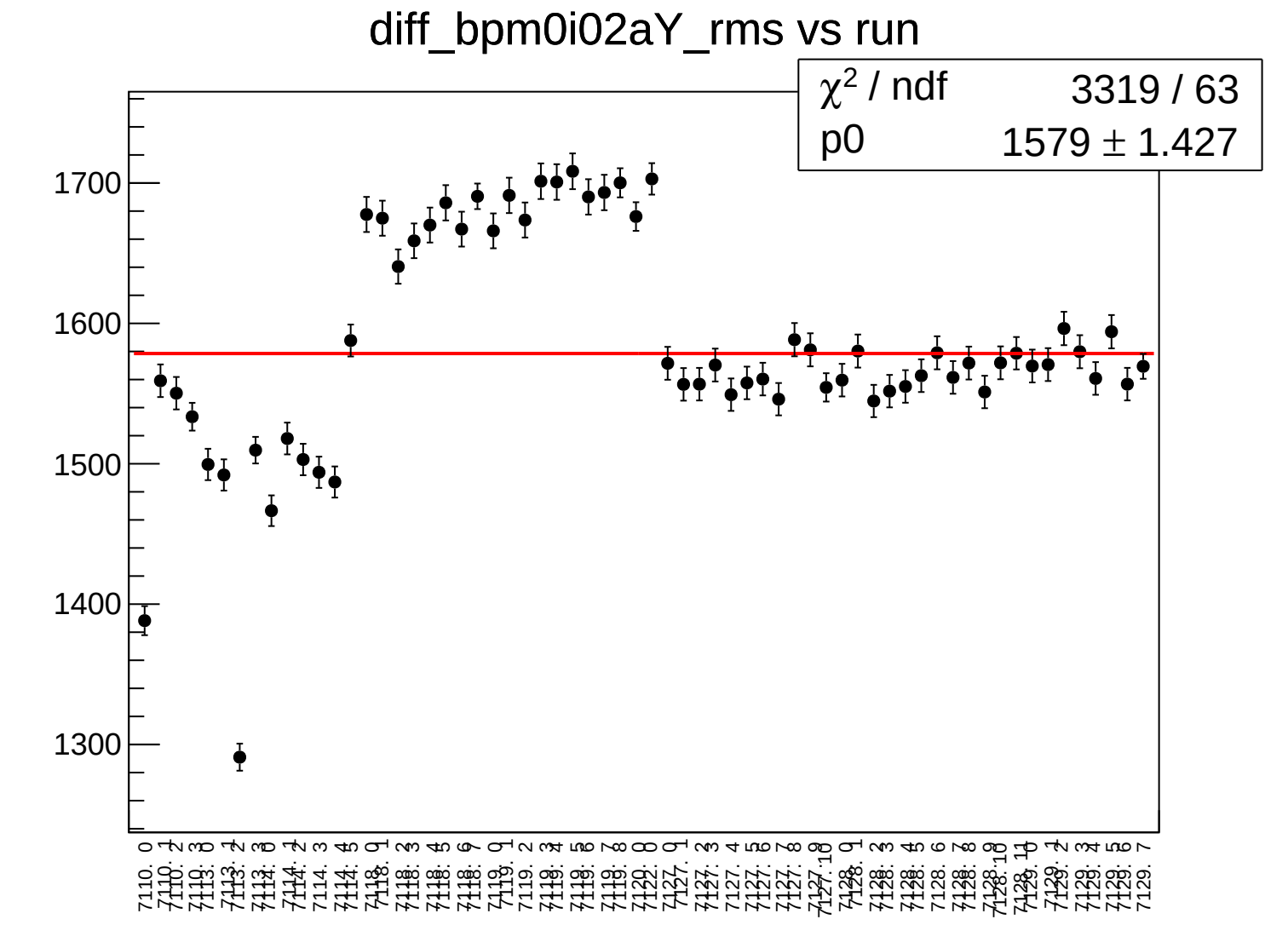

diff_bpm0i02aX_mean vs run
χ² / ndf 92.37 / 63
p0 −6.065 ± 2.4
pull
Entries 64
Mean 611.4
Std Dev 0

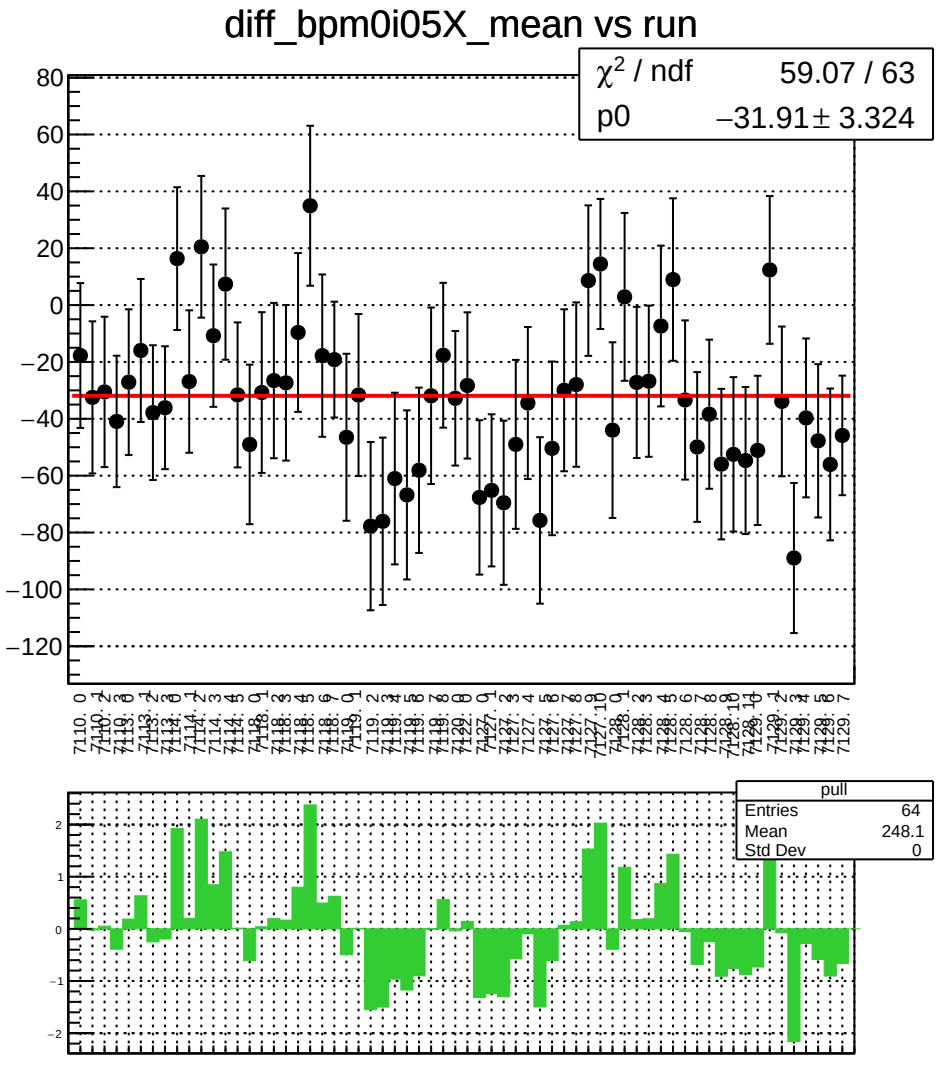

pull1D
Entries 64
Mean 0.005144
Std Dev 1.201

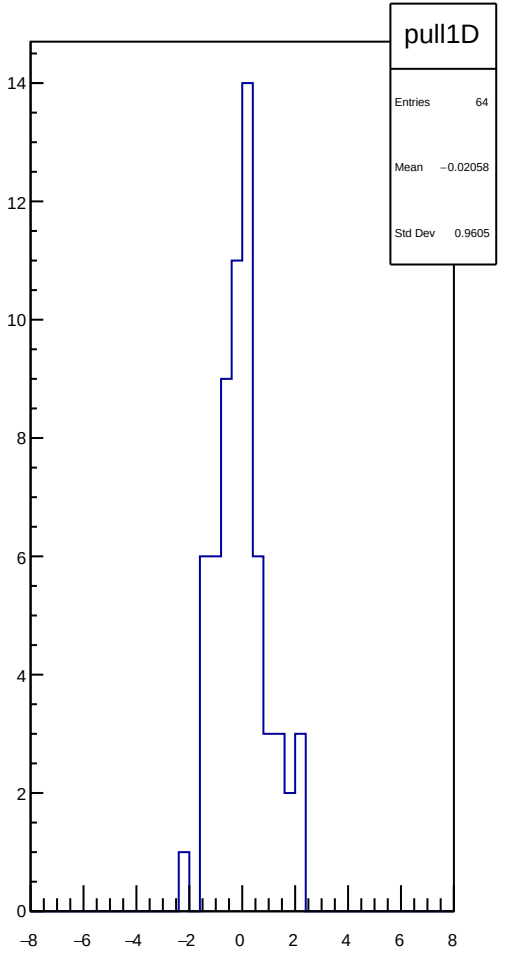

diff_bpm0i02aX_rms vs run
χ² / ndf 1010 / 63
p0 1878 ± 1.697
2000
1950
1900
1850
1800
1750
1700

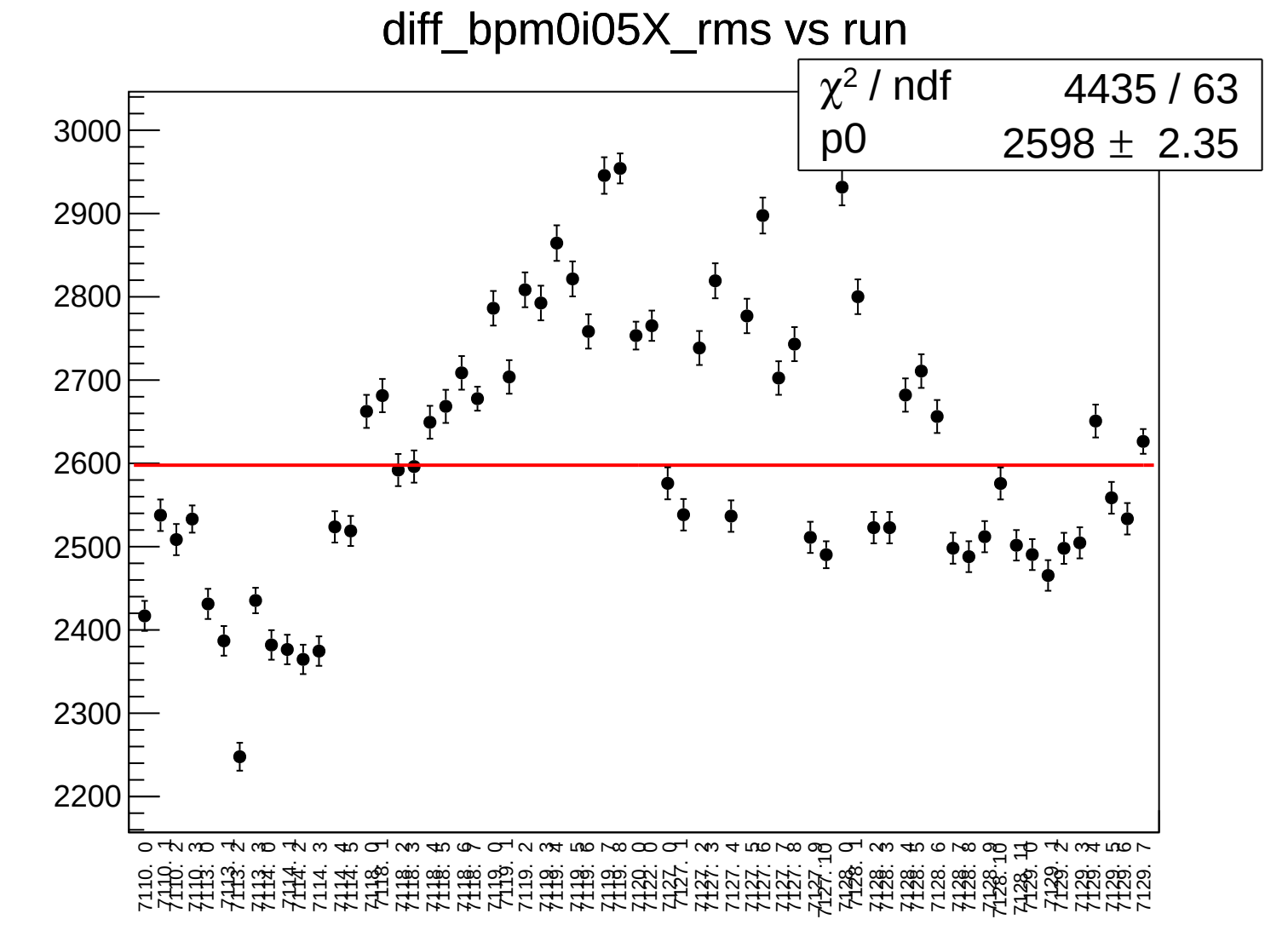

diff_bpm0i02aY_mean vs run
χ² / ndf 74.95 / 63
p0 21.51 ± 2.019
pull
Entries 64
Mean 567.2
Std Dev 0

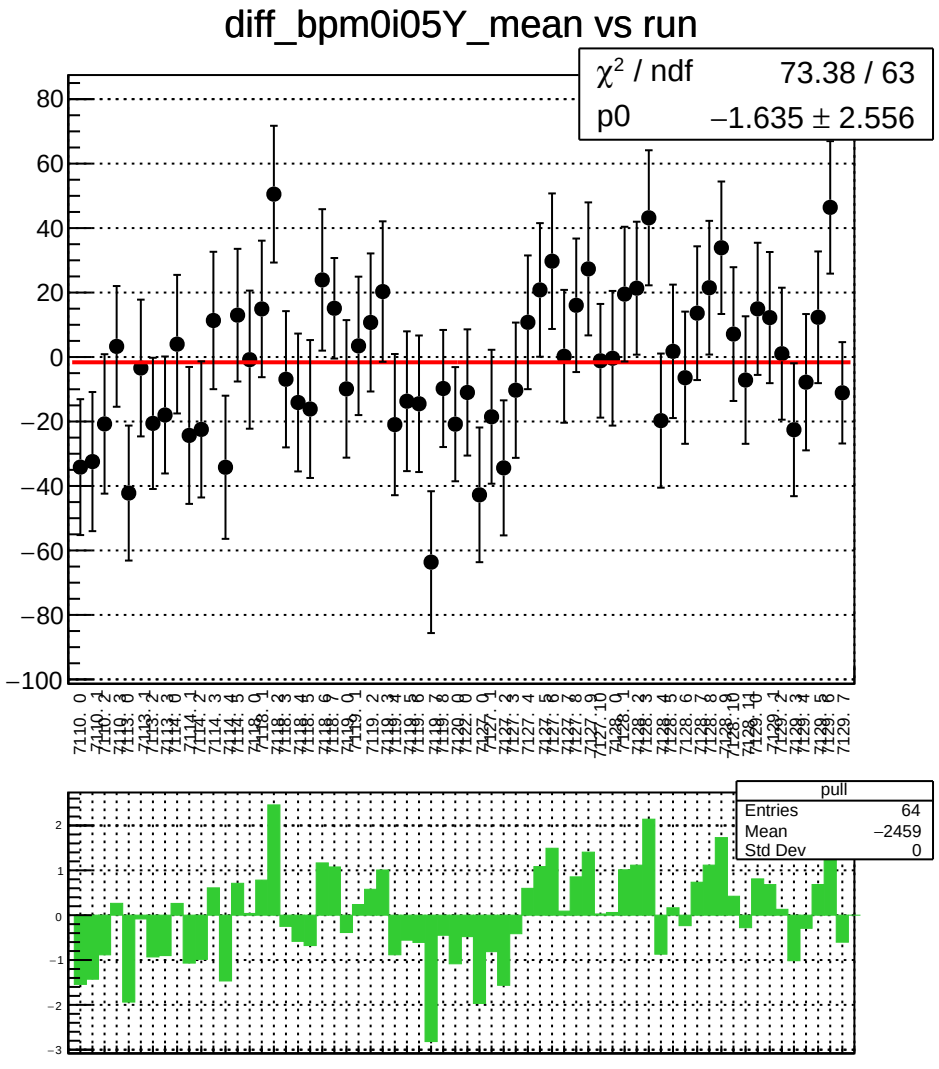

pull1D
Entries 64
Mean −0.01442
Std Dev 1.082

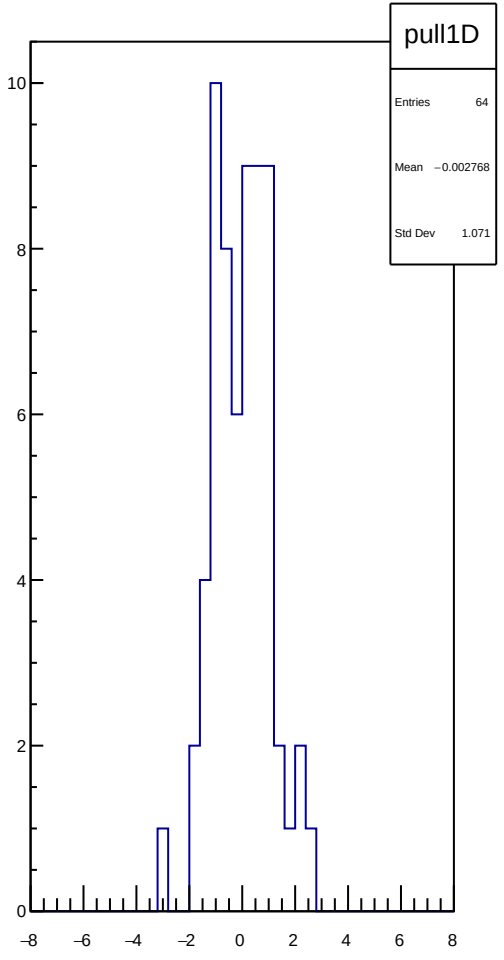

diff_bpm0i02aY_rms vs run
χ² / ndf 3319 / 63
p0 1579 ± 1.427
1700
1600
1500
1400
1300

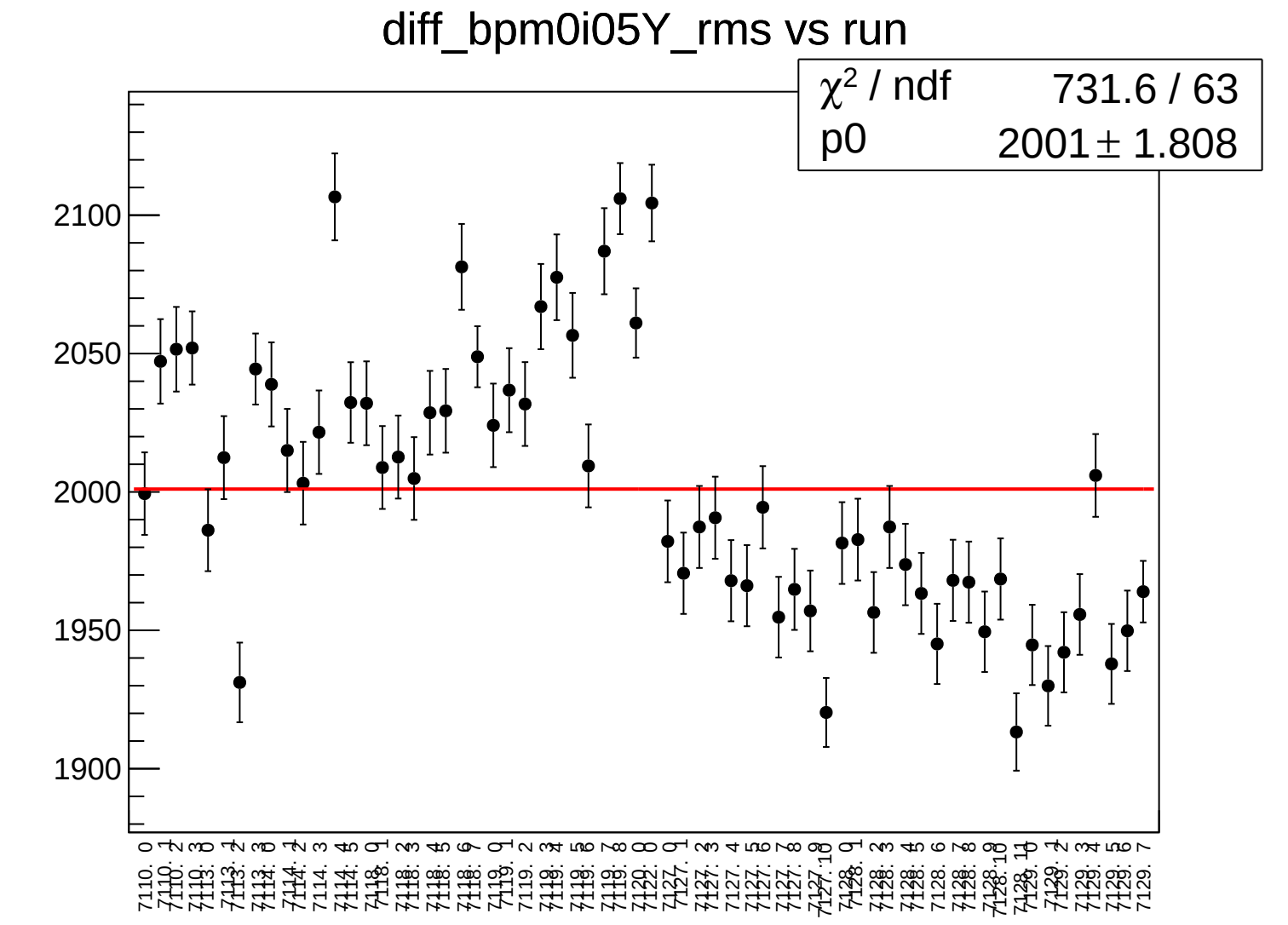

diff_bpm0i05X_mean vs run
χ² / ndf 59.07 / 63
p0 −31.91 ± 3.324
pull
Entries 64
Mean 248.1
Std Dev 0

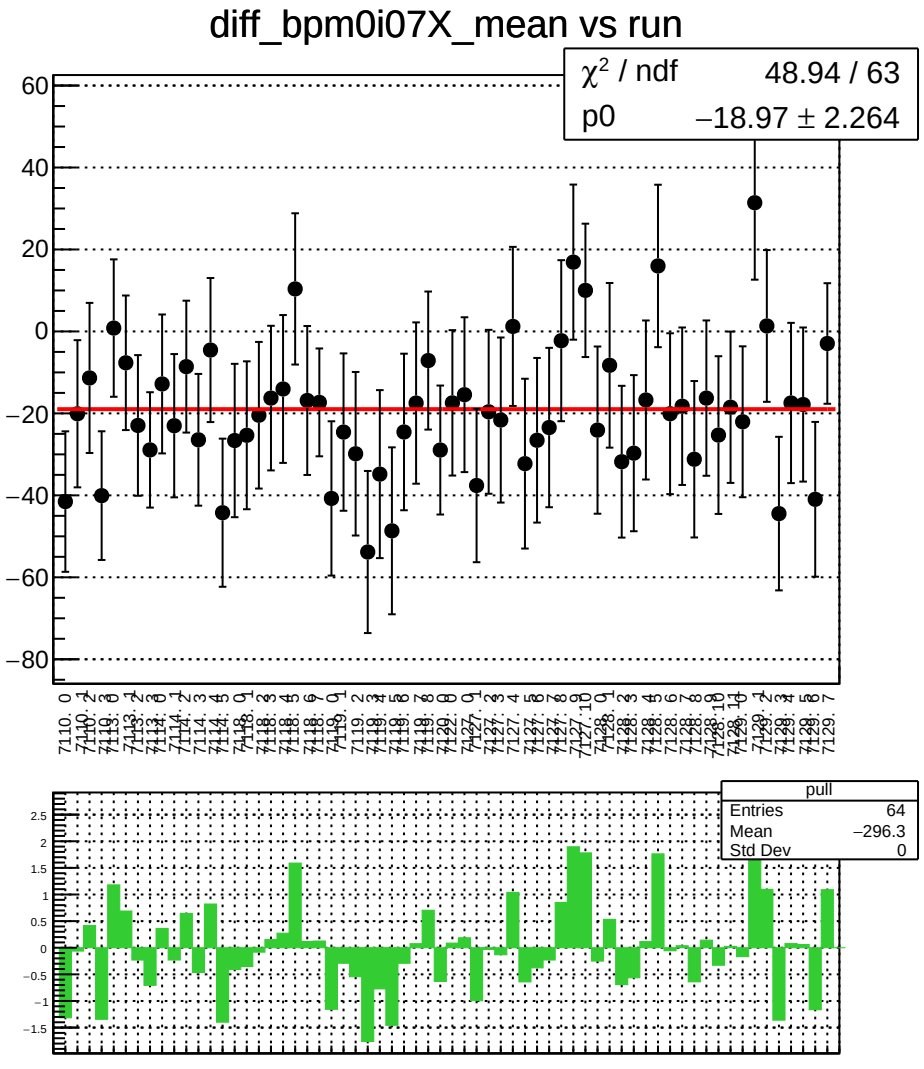

pull1D
Entries 64
Mean −0.02058
Std Dev 0.9605

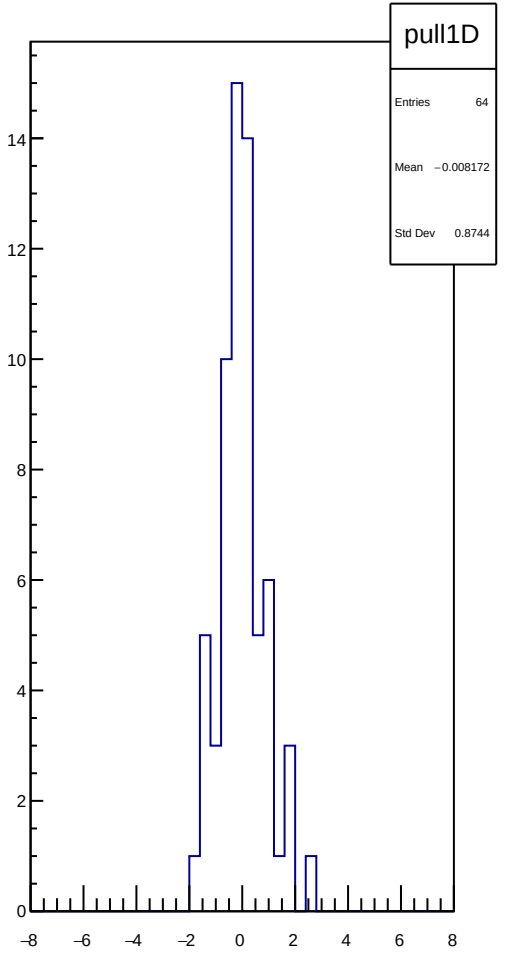

diff_bpm0i05X_rms vs run
χ² / ndf 4435 / 63
p0 2598 ± 2.35
3000
2900
2800
2700
2600
2500
2400
2300
2200

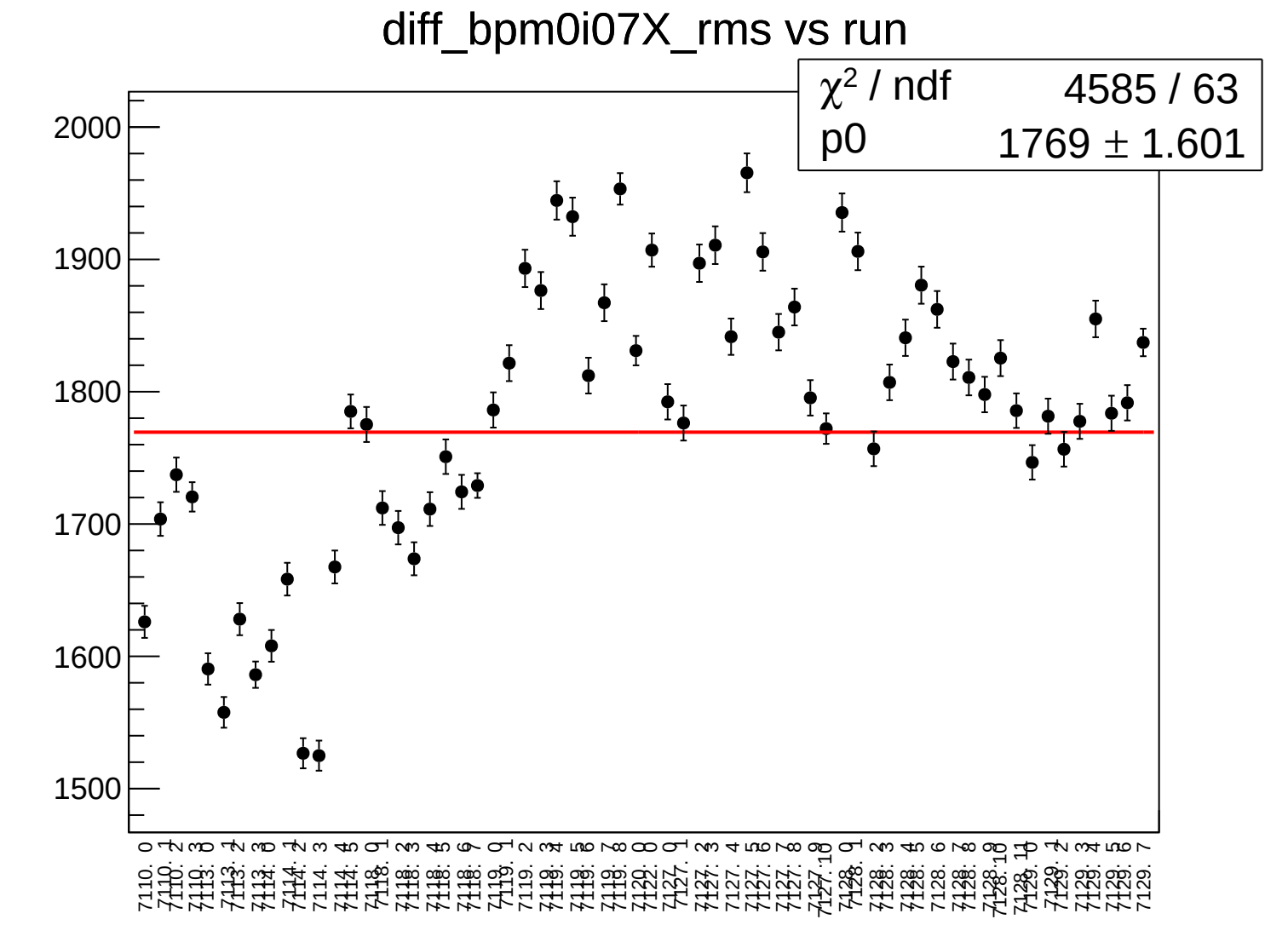

diff_bpm0i05Y_mean vs run
χ² / ndf 73.38 / 63
p0 −1.635 ± 2.556
pull
Entries 64
Mean −2459
Std Dev 0

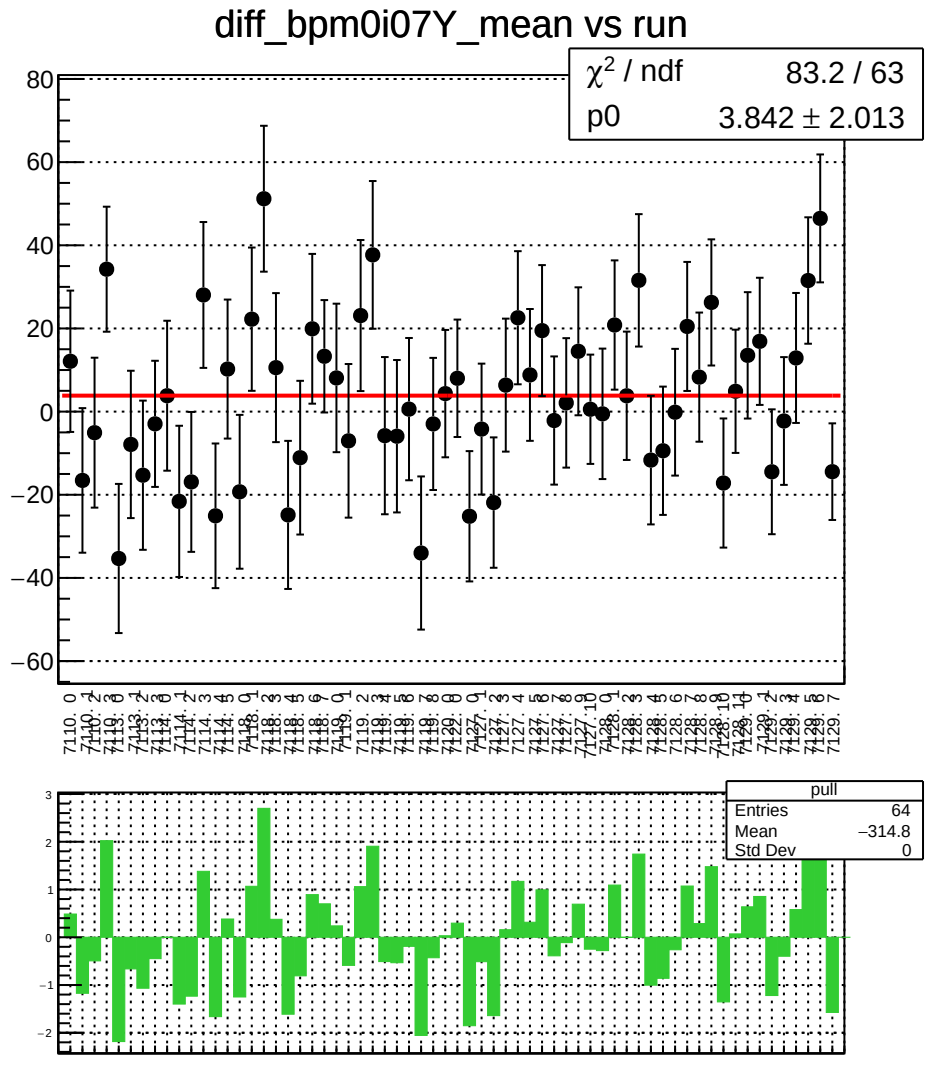

pull1D
Entries 64
Mean −0.002768
Std Dev 1.071

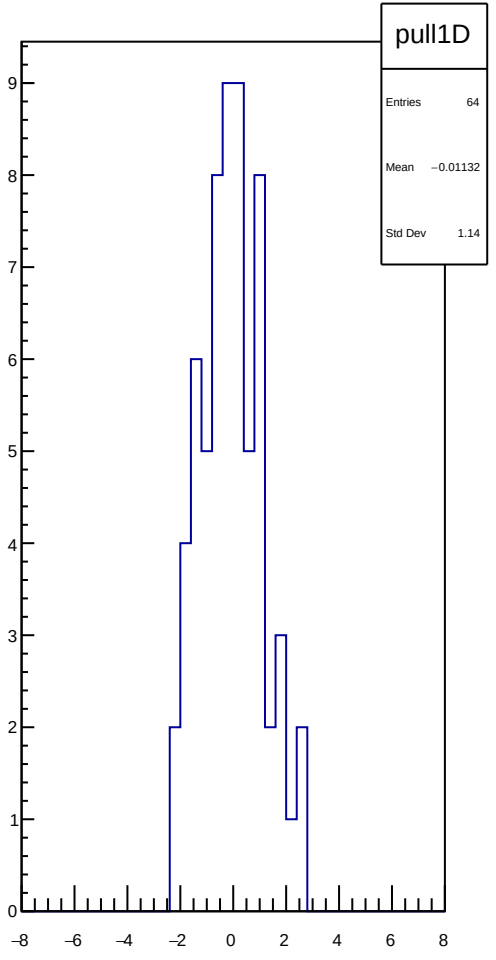

diff_bpm0i05Y_rms vs run
χ² / ndf 731.6 / 63
p0 2001 ± 1.808
2100
2050
2000
1950
1900

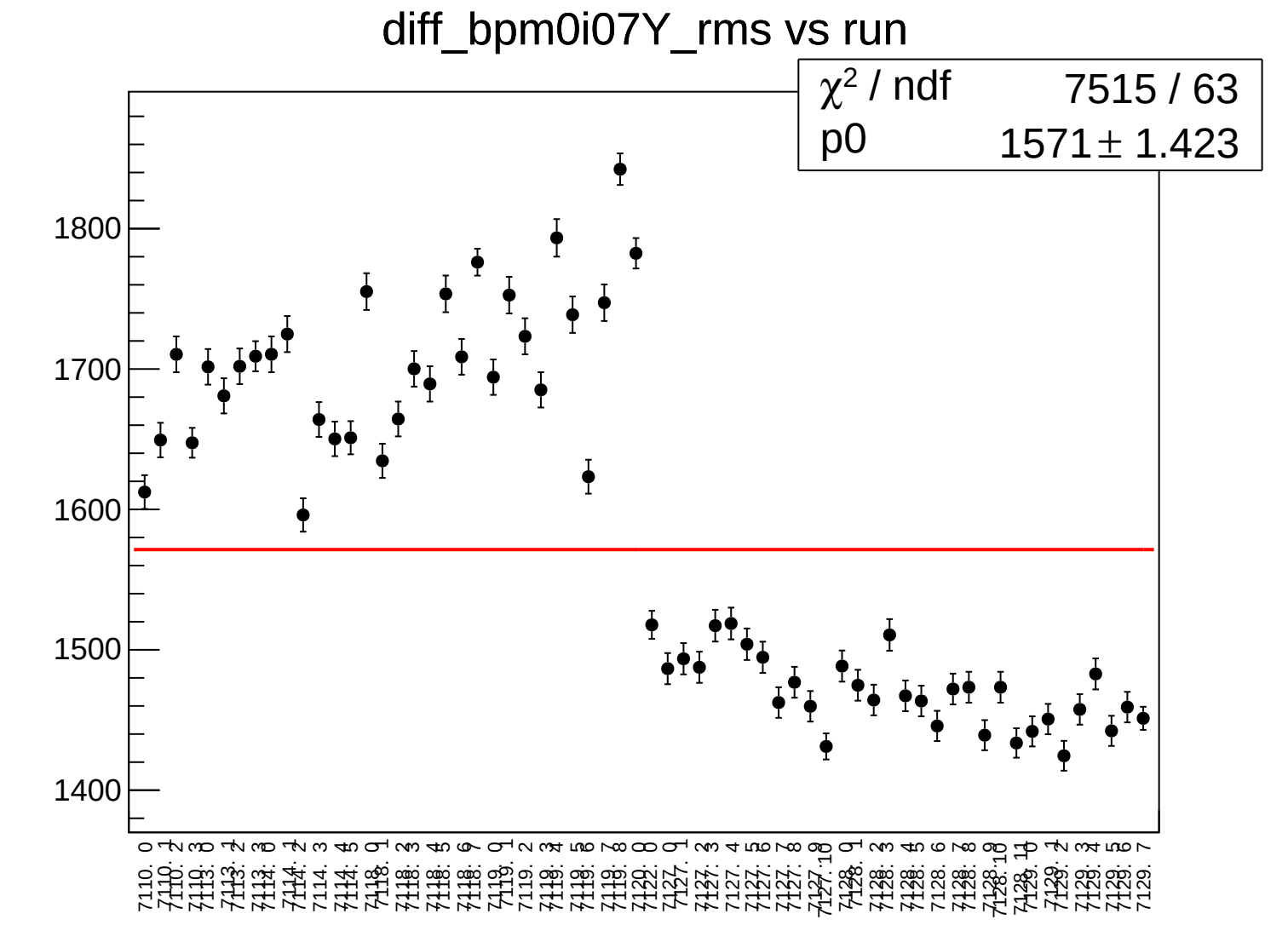

diff_bpm0i07X_mean vs run
χ² / ndf 48.94 / 63
p0 −18.97 ± 2.264
pull
Entries 64
Mean −296.3
Std Dev 0

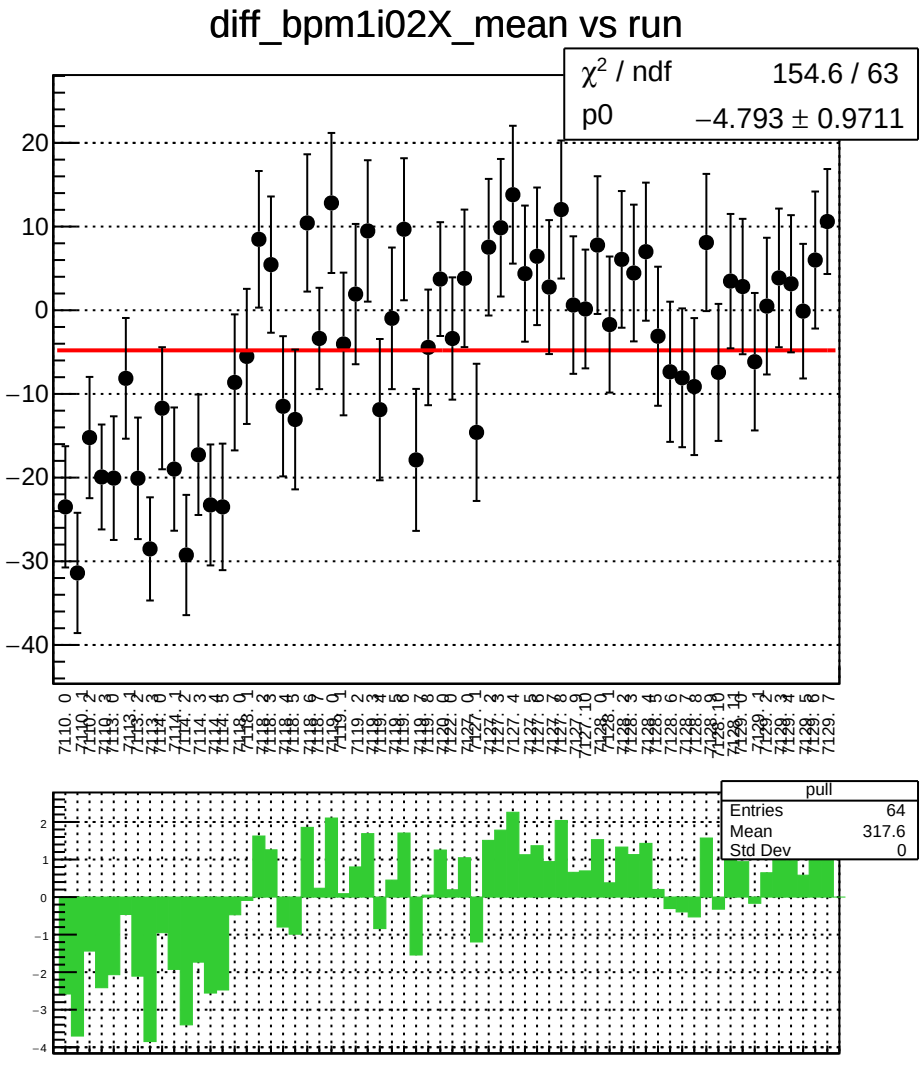

pull1D
Entries 64
Mean −0.008172
Std Dev 0.8744

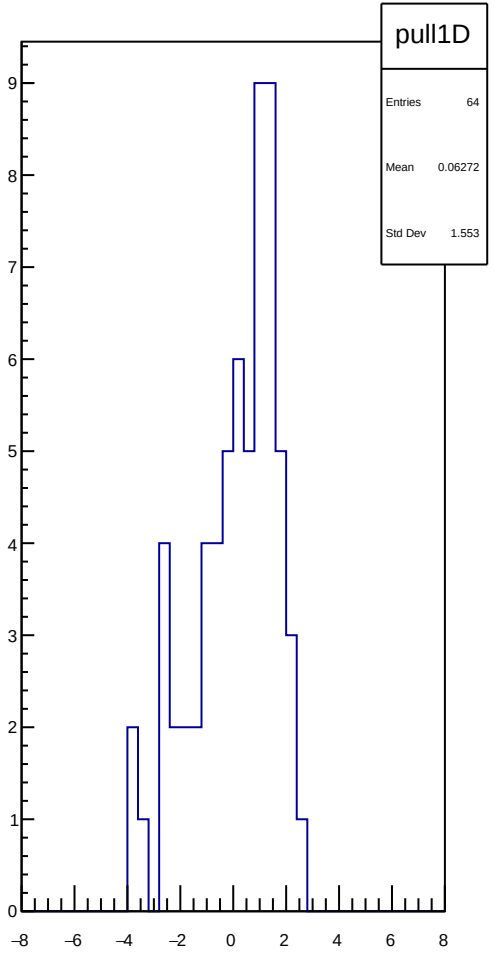

diff_bpm0i07X_rms vs run
χ² / ndf 4585 / 63
p0 1769 ± 1.601
2000
1900
1800
1700
1600
1500

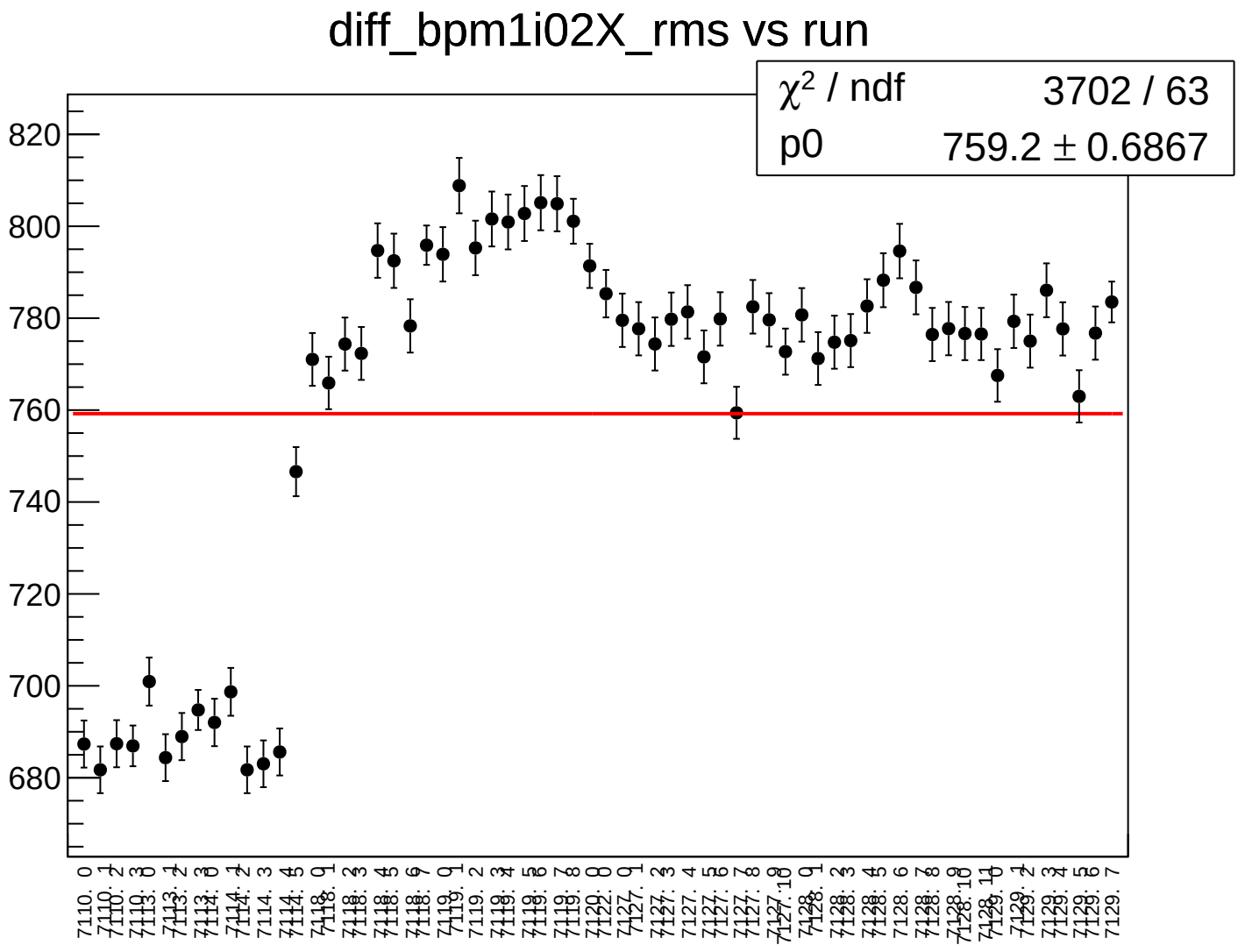

diff_bpm0i07Y_mean vs run
χ^2 / ndf 83.2 / 63
p0 3.842 ± 2.013
pull
Entries 64
Mean −314.8
Std Dev 0

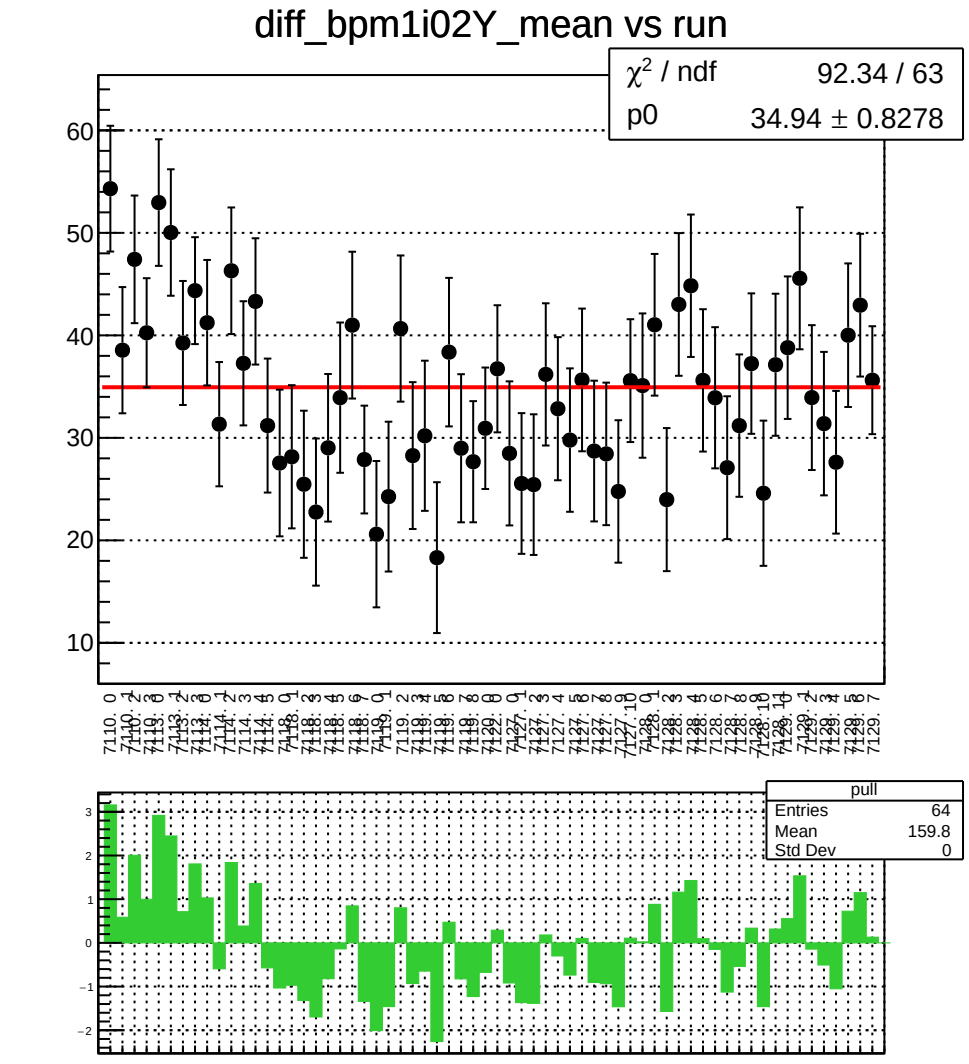

pull1D
Entries 64
Mean −0.01132
Std Dev 1.14

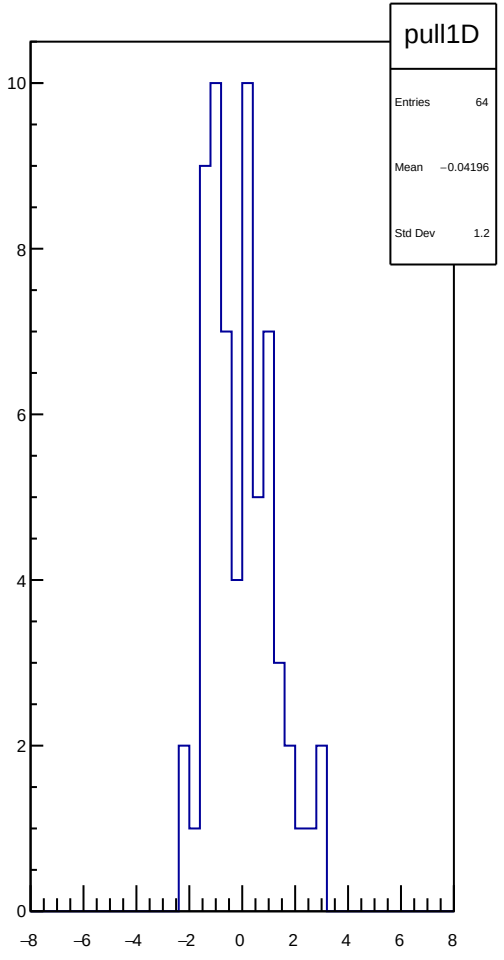

diff_bpm0i07Y_rms vs run
χ² / ndf 7515 / 63
p0 1571 ± 1.423
1800
1700
1600
1500
1400

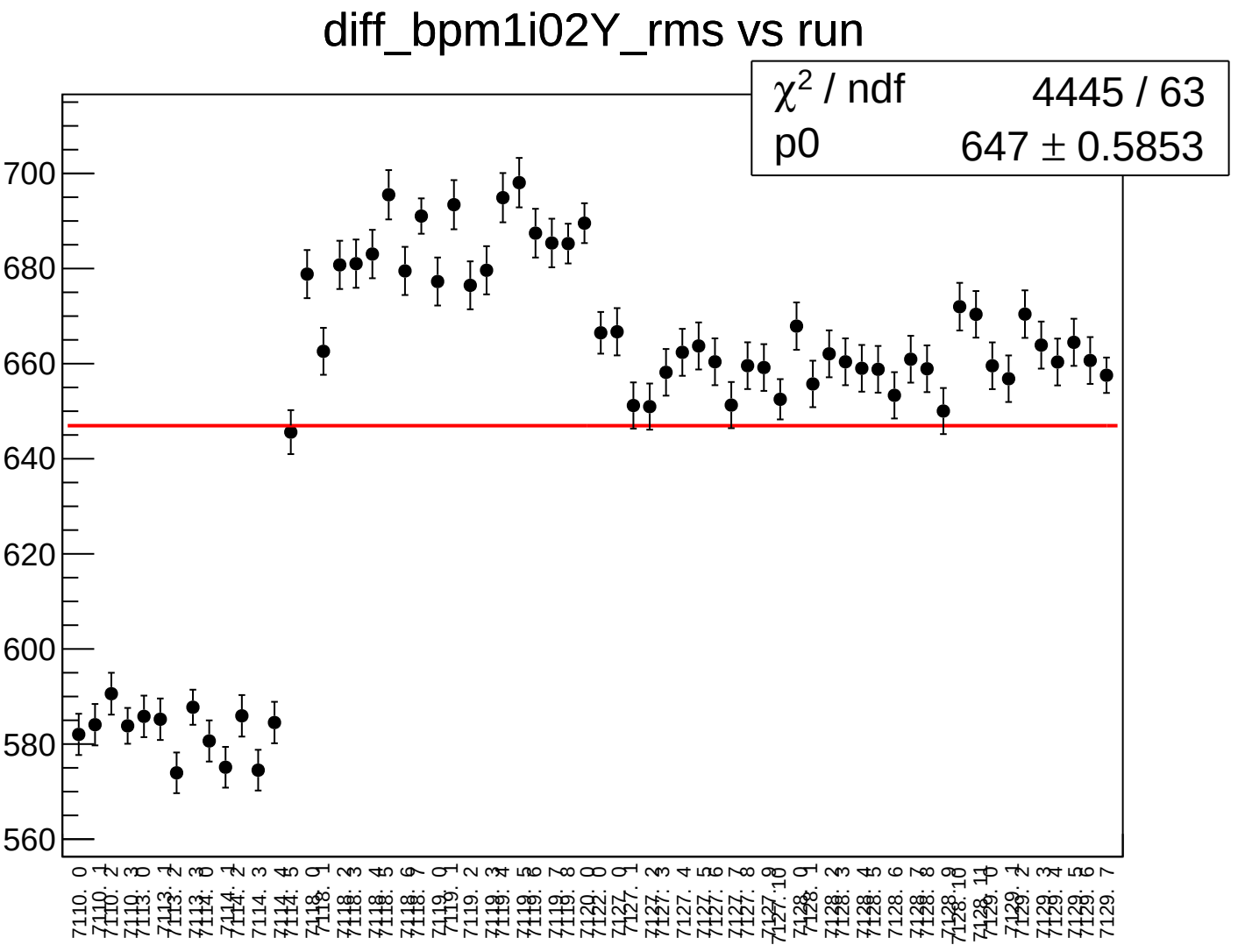

diff_bpm1i02X_mean vs run
χ^2 / ndf 154.6 / 63
p0 −4.793 ± 0.9711
pull
Entries 64
Mean 317.6
Std Dev 0

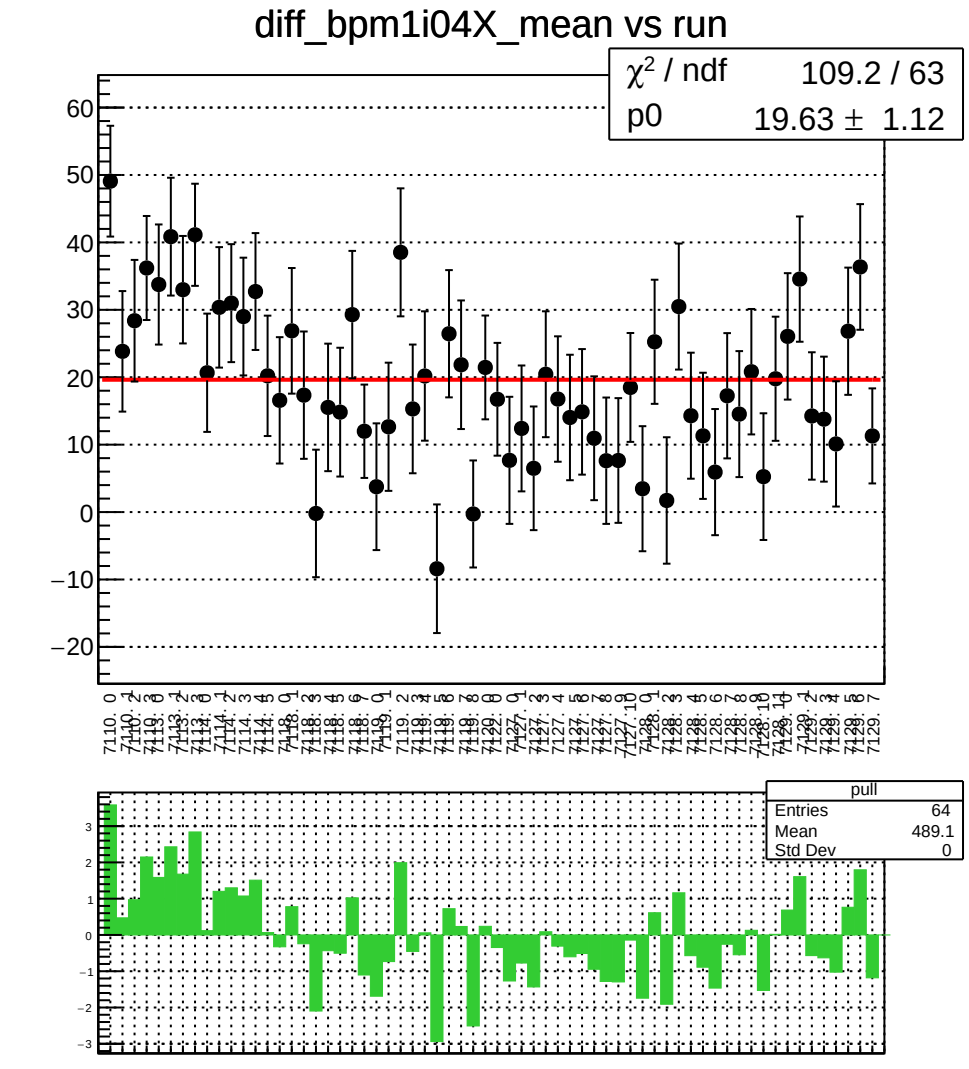

pull1D
Entries 64
Mean 0.06272
Std Dev 1.553

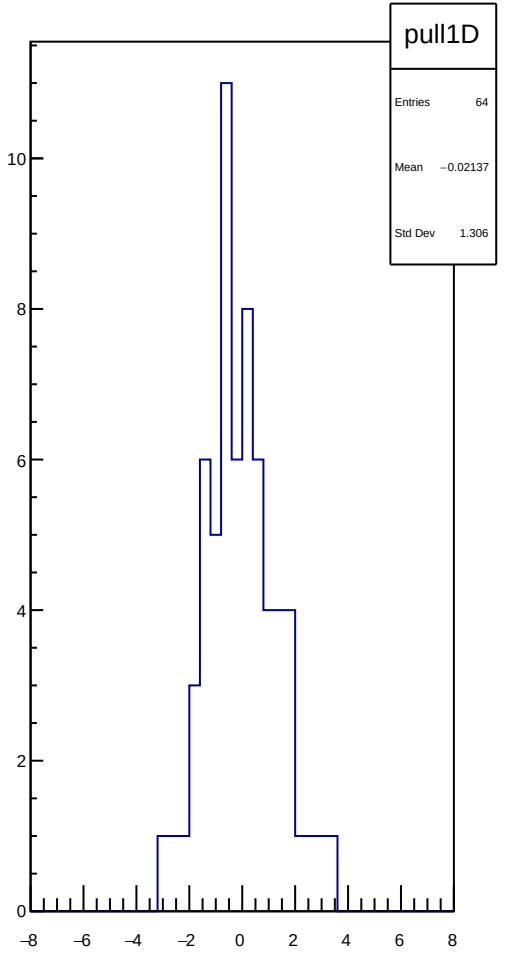

diff_bpm1i02X_rms vs run
χ² / ndf 3702 / 63
p0 759.2 ± 0.6867
820
800
780
760
740
720
700
680

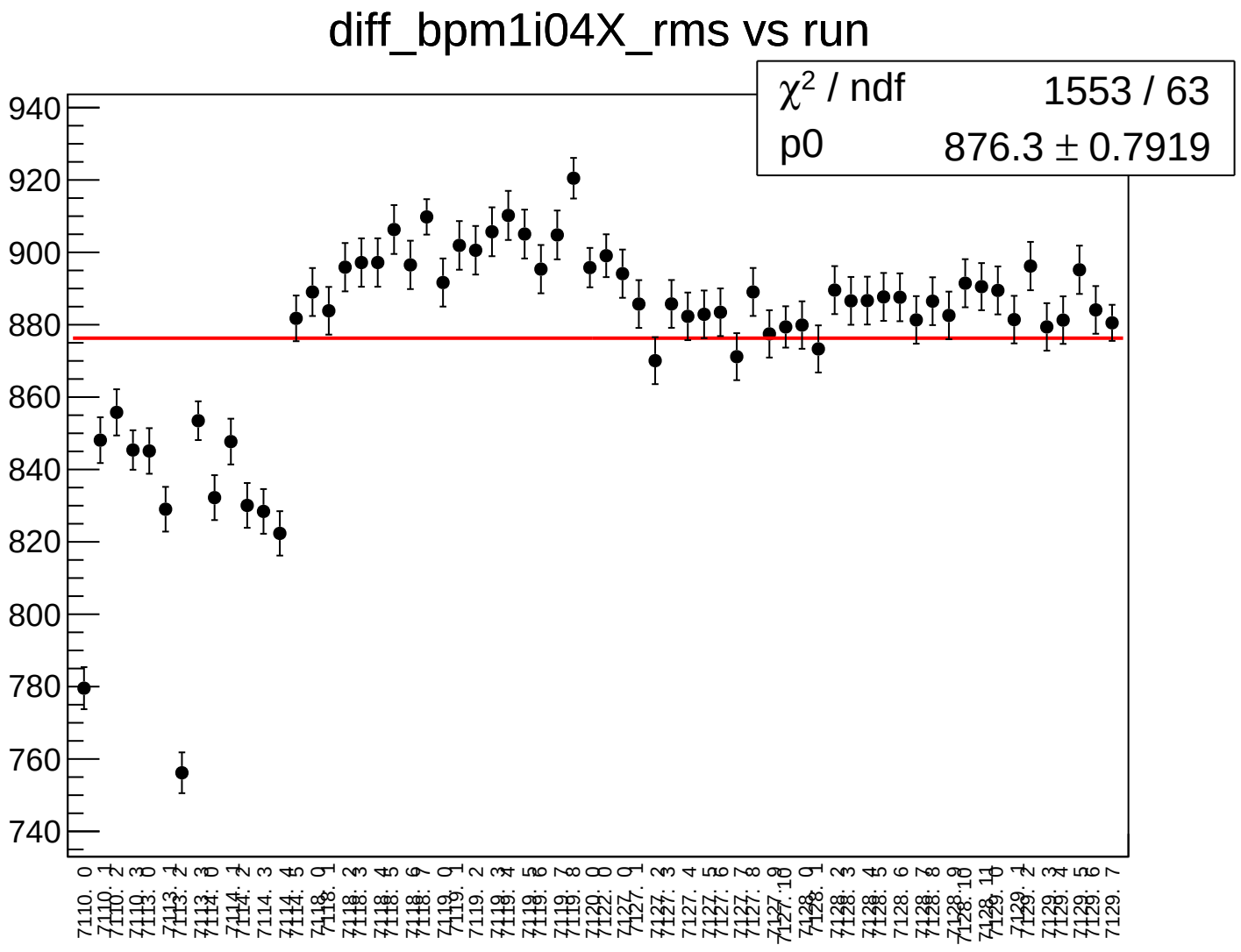

diff_bpm1i02Y_mean vs run
χ² / ndf 92.34 / 63
p0 34.94 ± 0.8278
pull
Entries 64
Mean 159.8
Std Dev 0

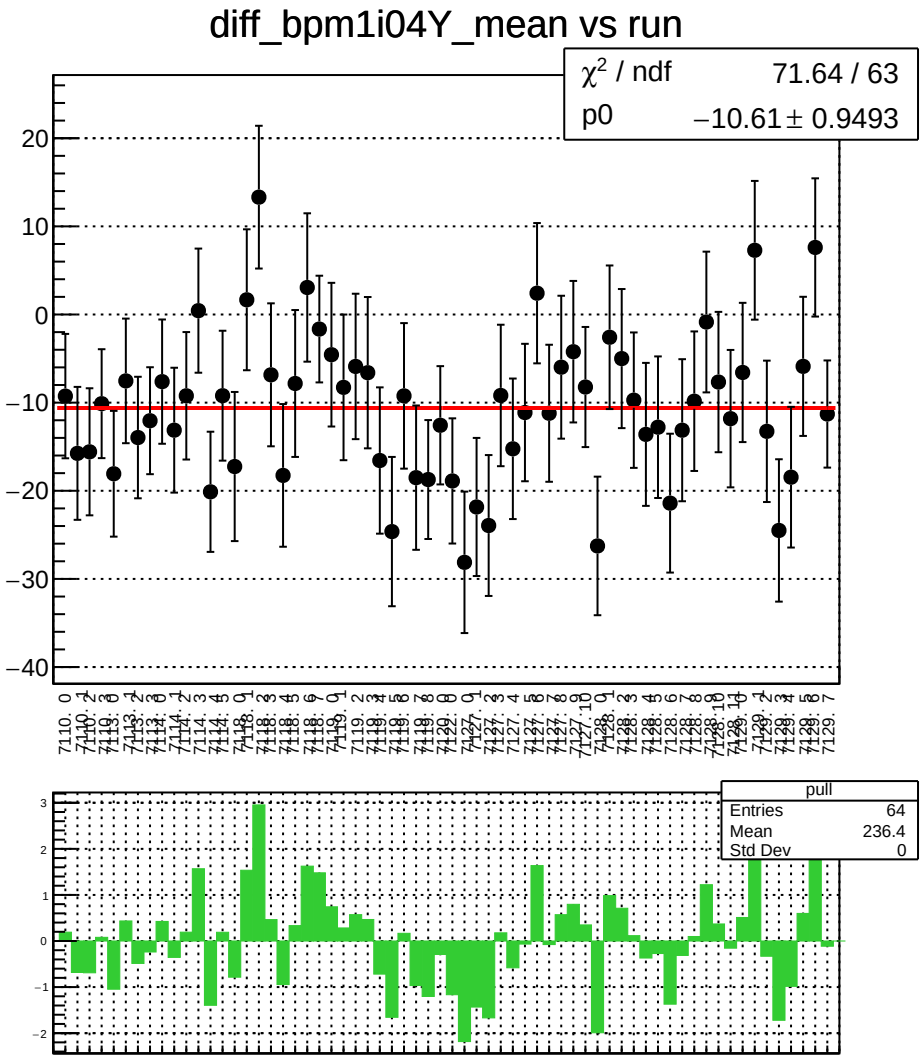

pull1D
Entries 64
Mean −0.04196
Std Dev 1.2

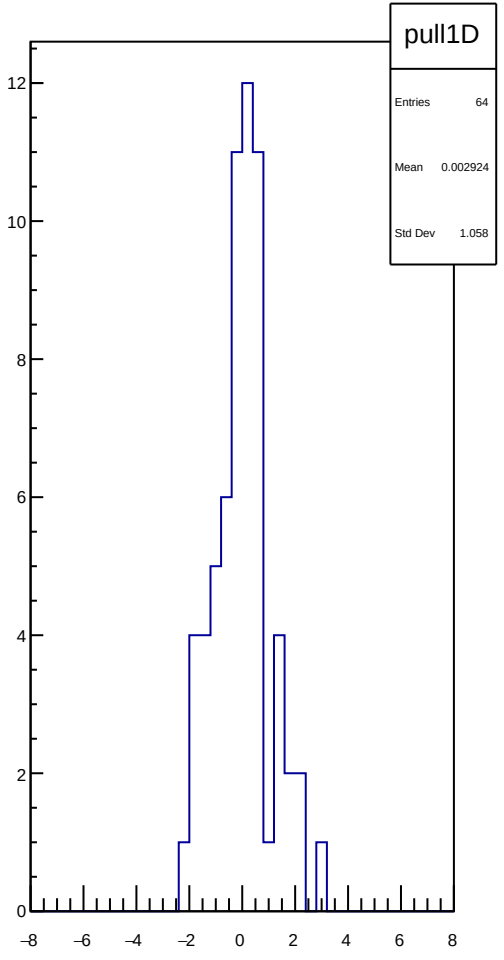

diff_bpm1i02Y_rms vs run
χ² / ndf 4445 / 63
p0 647 ± 0.5853
700
680
660
640
620
600
580
560

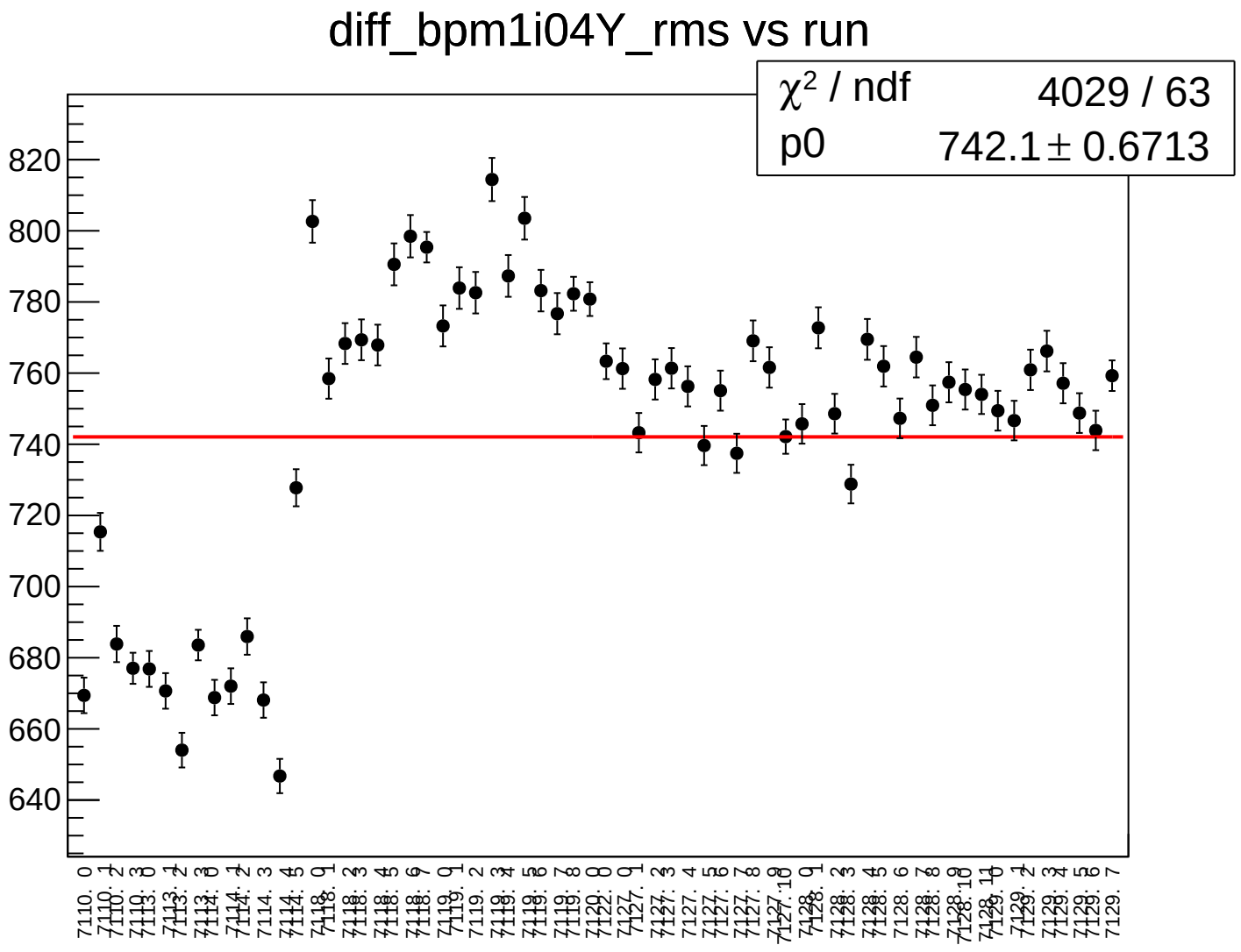

diff_bpm1i04X_mean vs run
χ² / ndf 109.2 / 63
p0 19.63 ± 1.12
pull
Entries 64
Mean 489.1
Std Dev 0

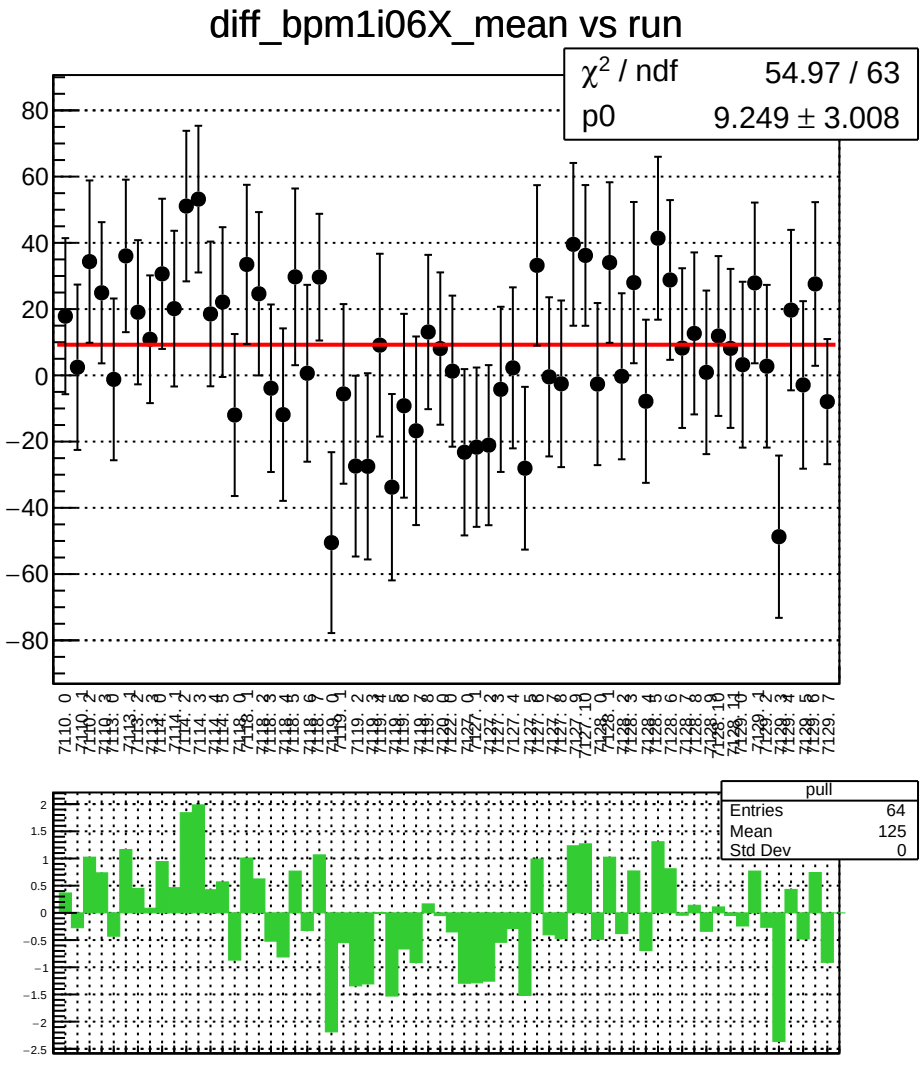

pull1D
Entries 64
Mean −0.02137
Std Dev 1.306

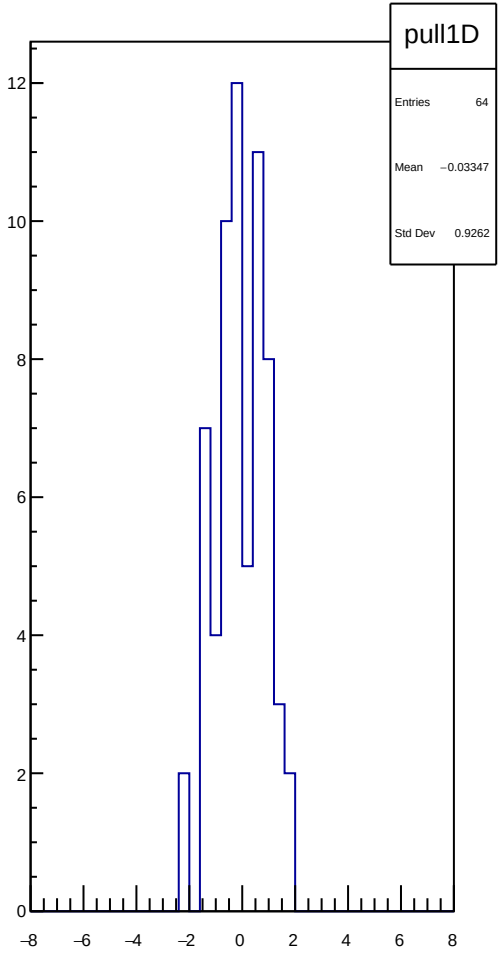

diff_bpm1i04X_rms vs run
χ² / ndf 1553 / 63
p0 876.3 ± 0.7919
940
920
900
880
860
840
820
800
780
760
740

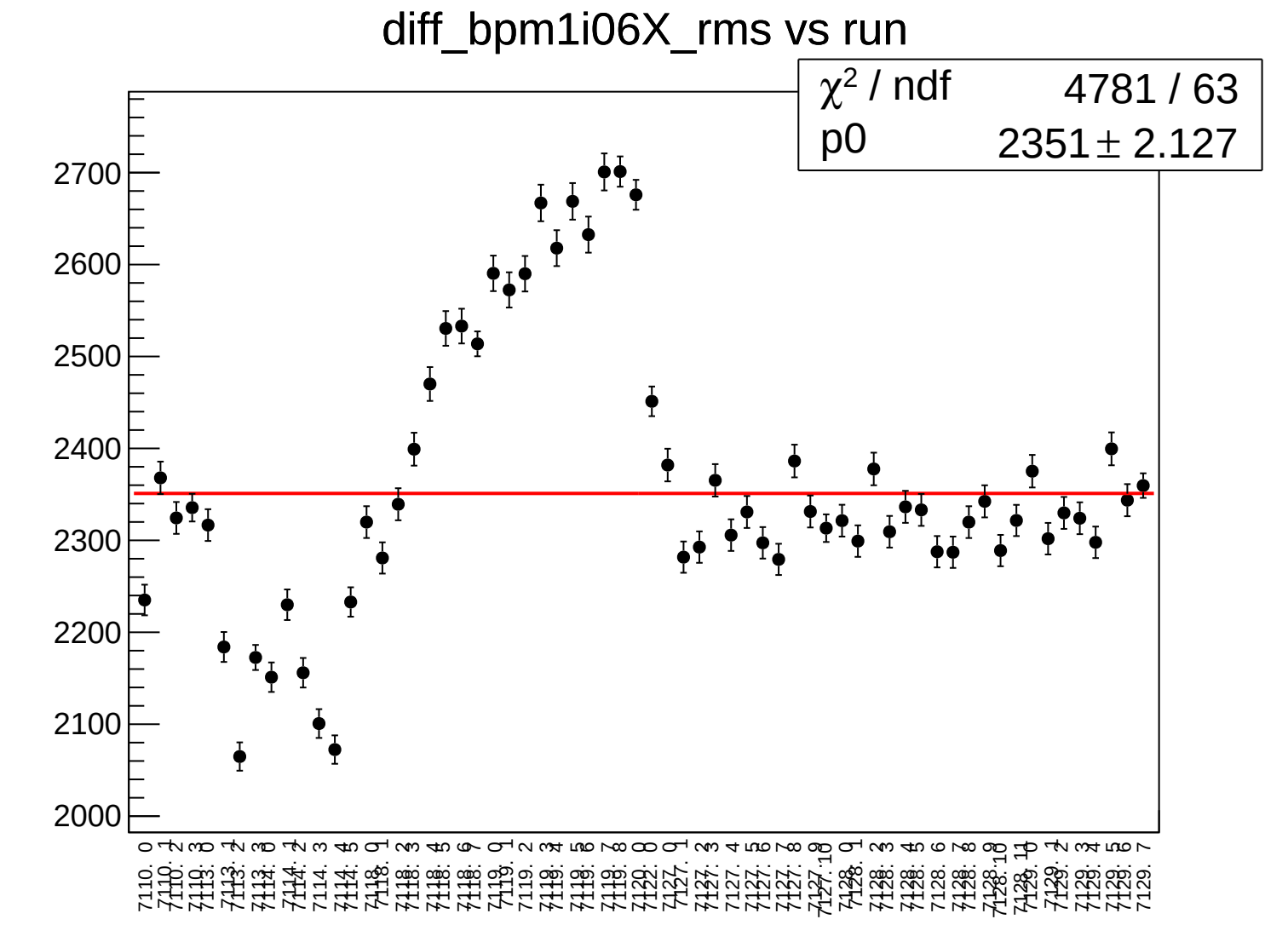

diff_bpm1i04Y_mean vs run
χ² / ndf 71.64 / 63
p0 −10.61 ± 0.9493
pull
Entries 64
Mean 236.4
Std Dev 0

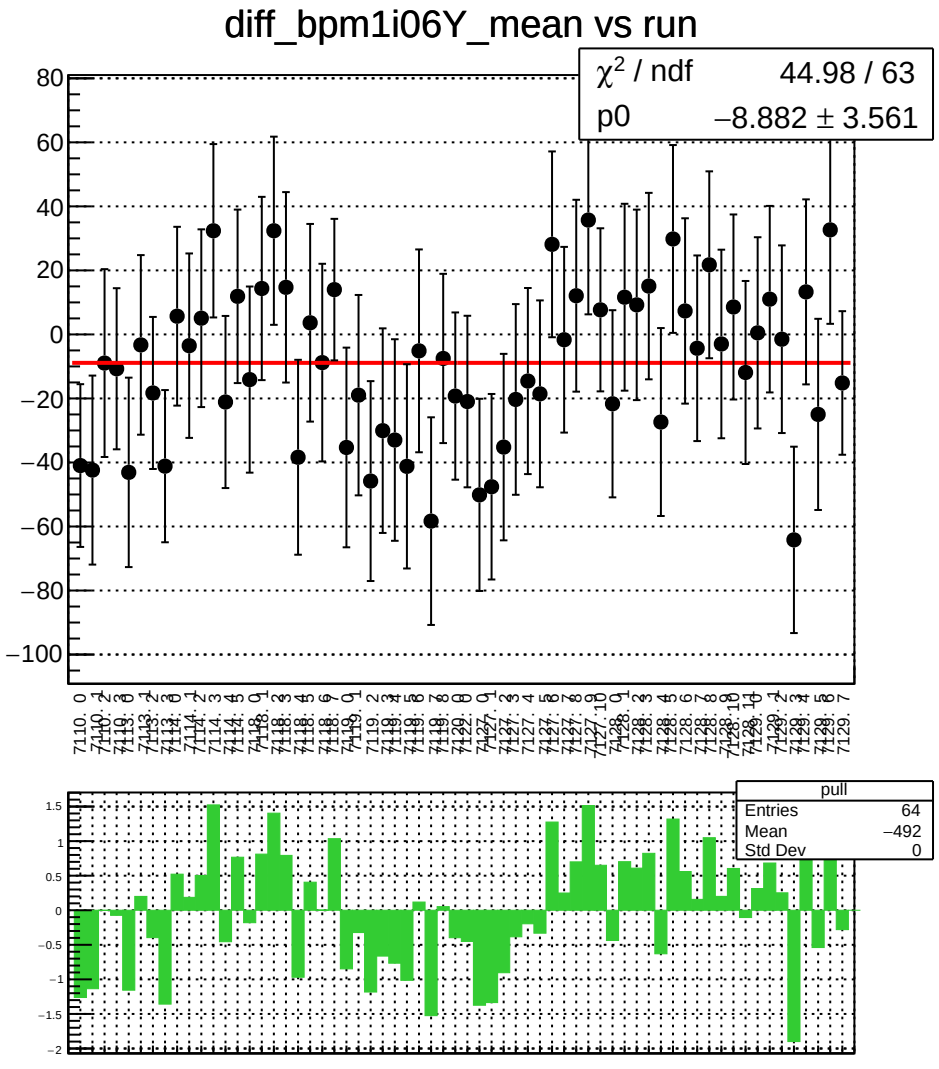

pull1D
Entries 64
Mean 0.002924
Std Dev 1.058

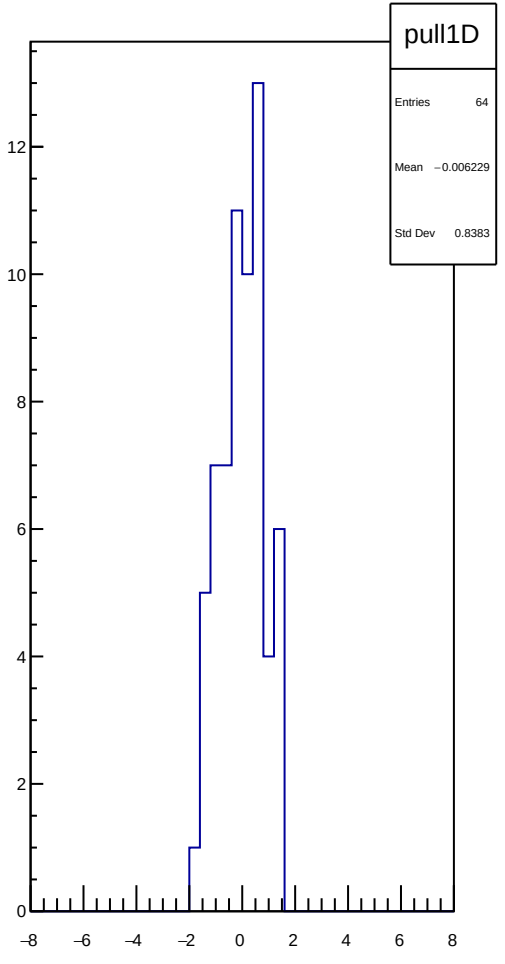

diff_bpm1i04Y_rms vs run
χ² / ndf 4029 / 63
p0 742.1 ± 0.6713
820
800
780
760
740
720
700
680
660
640

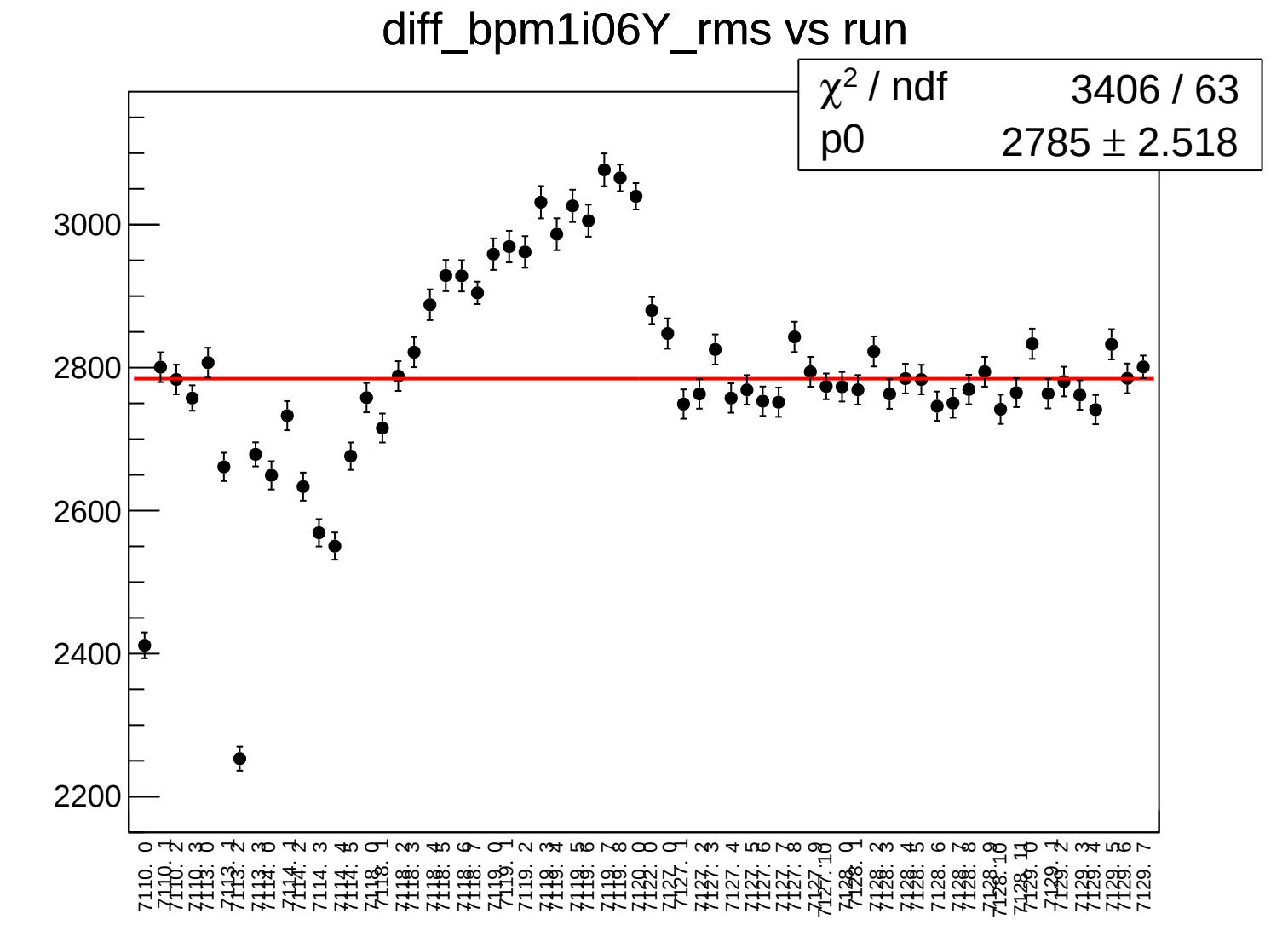

diff_bpm1i06X_mean vs run
χ² / ndf 54.97 / 63
p0 9.249 ± 3.008
pull
Entries 64
Mean 125
Std Dev 0

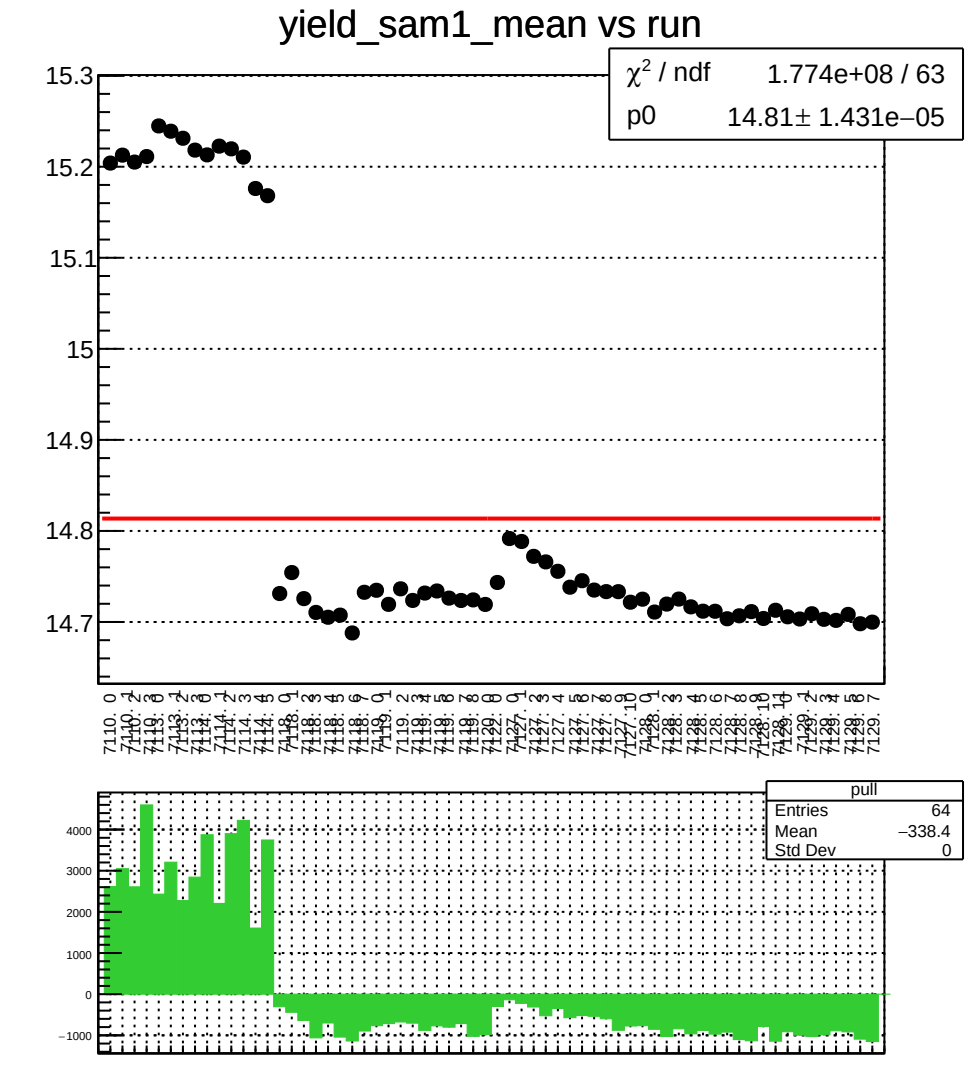

pull1D
Entries 64
Mean −0.03347
Std Dev 0.9262

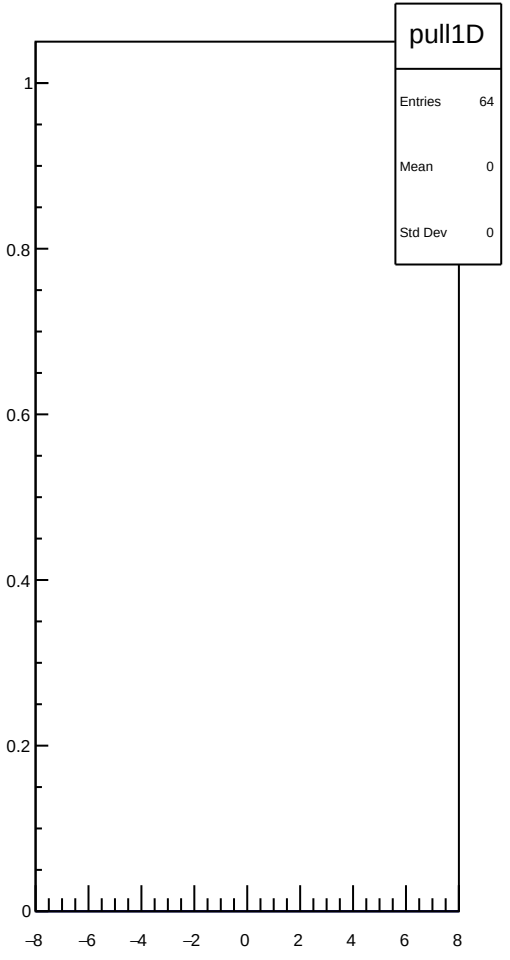

diff_bpm1i06X_rms vs run
χ² / ndf 4781 / 63
p0 2351 ± 2.127
2700
2600
2500
2400
2300
2200
2100
2000

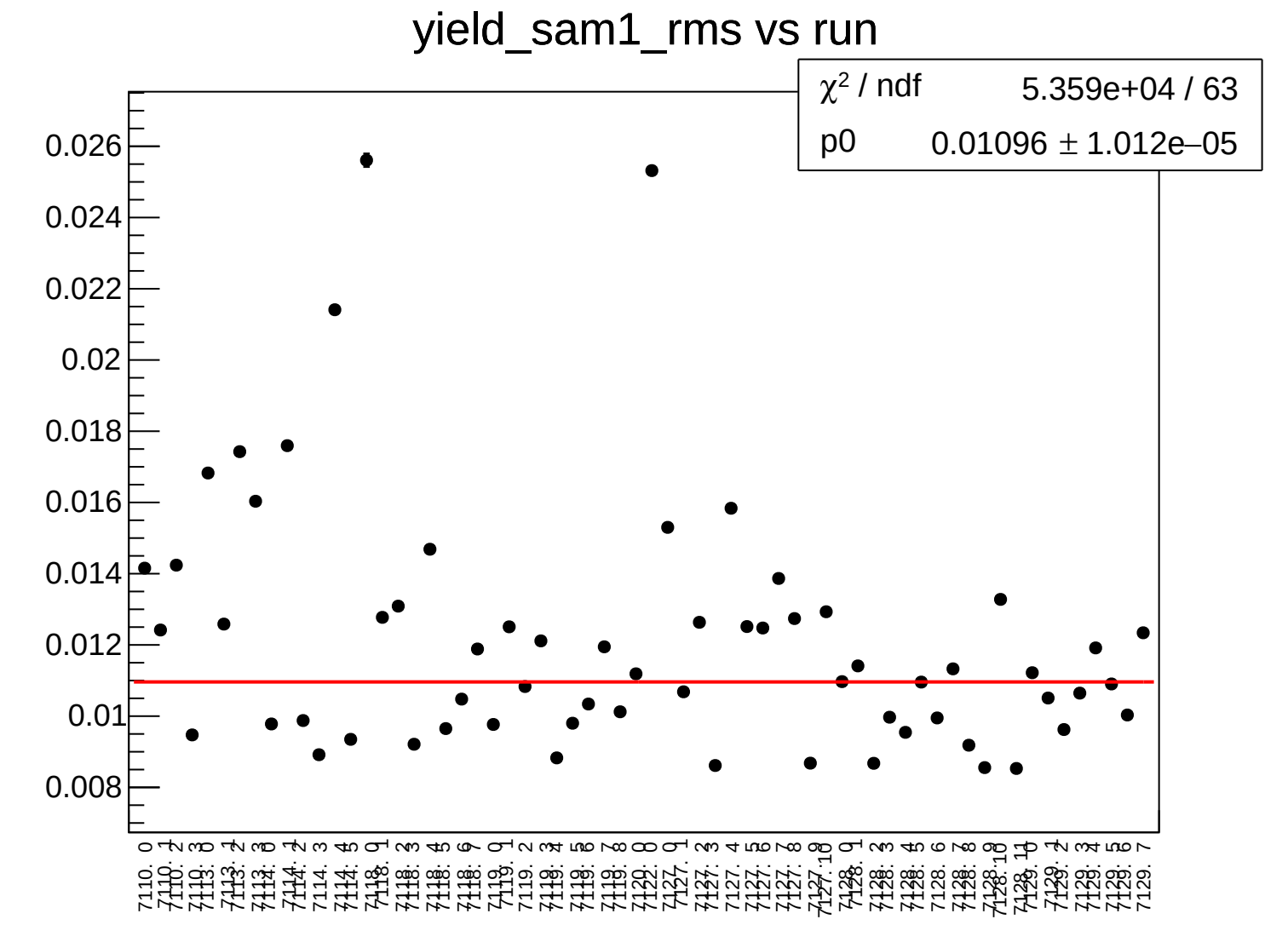

diff_bpm1i06Y_mean vs run
χ² / ndf 44.98 / 63
p0 −8.882 ± 3.561
pull
Entries 64
Mean −492
Std Dev 0

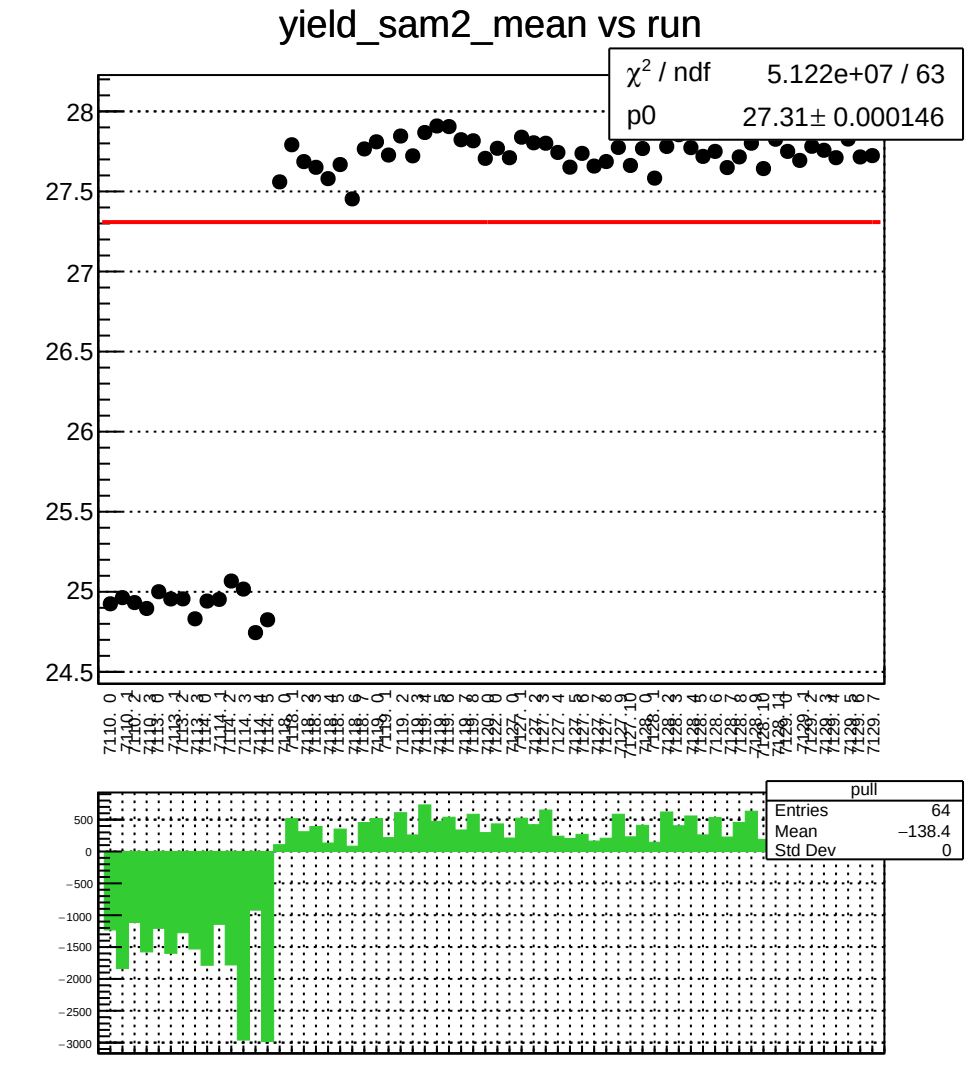

pull1D
Entries 64
Mean −0.006229
Std Dev 0.8383

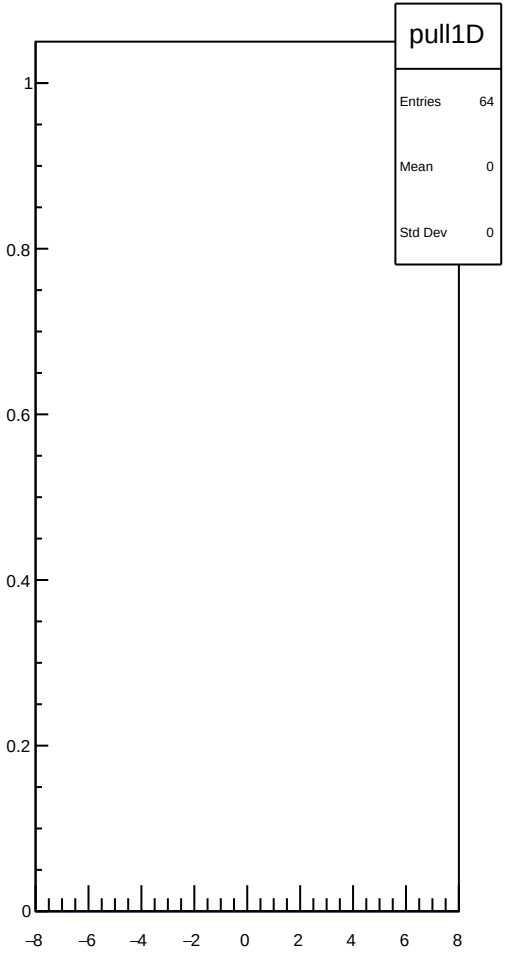

diff_bpm1i06Y_rms vs run
χ² / ndf 3406 / 63
p0 2785 ± 2.518
3000
2800
2600
2400
2200

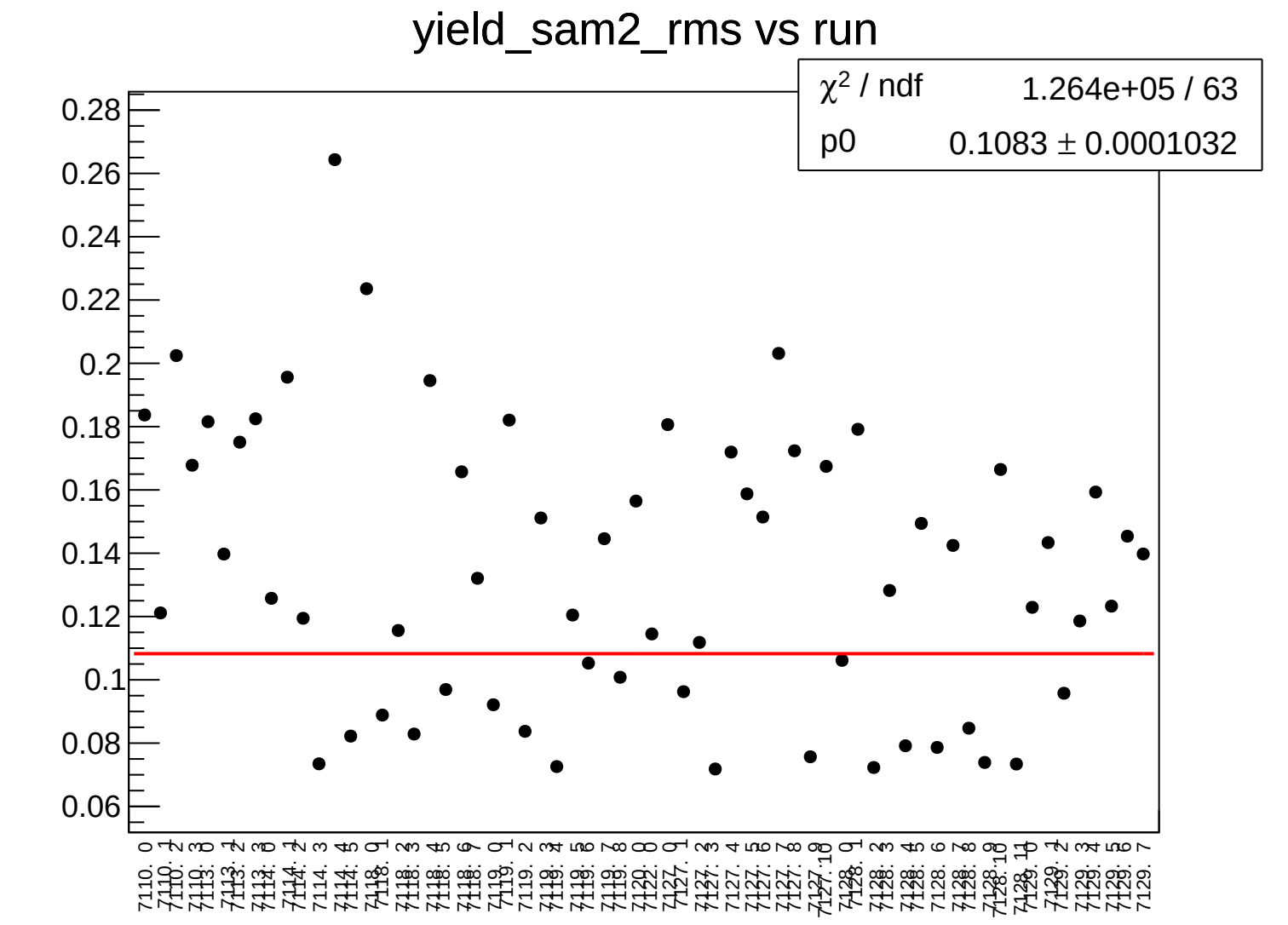

yield_sam1_mean vs run
χ² / ndf 1.774e+08 / 63
p0 14.81± 1.431e−05
15.3
15.2
15.1
15
14.9
14.8
14.7
pull
Entries 64
Mean −338.4
Std Dev 0
4000
3000
2000
1000
0
−1000

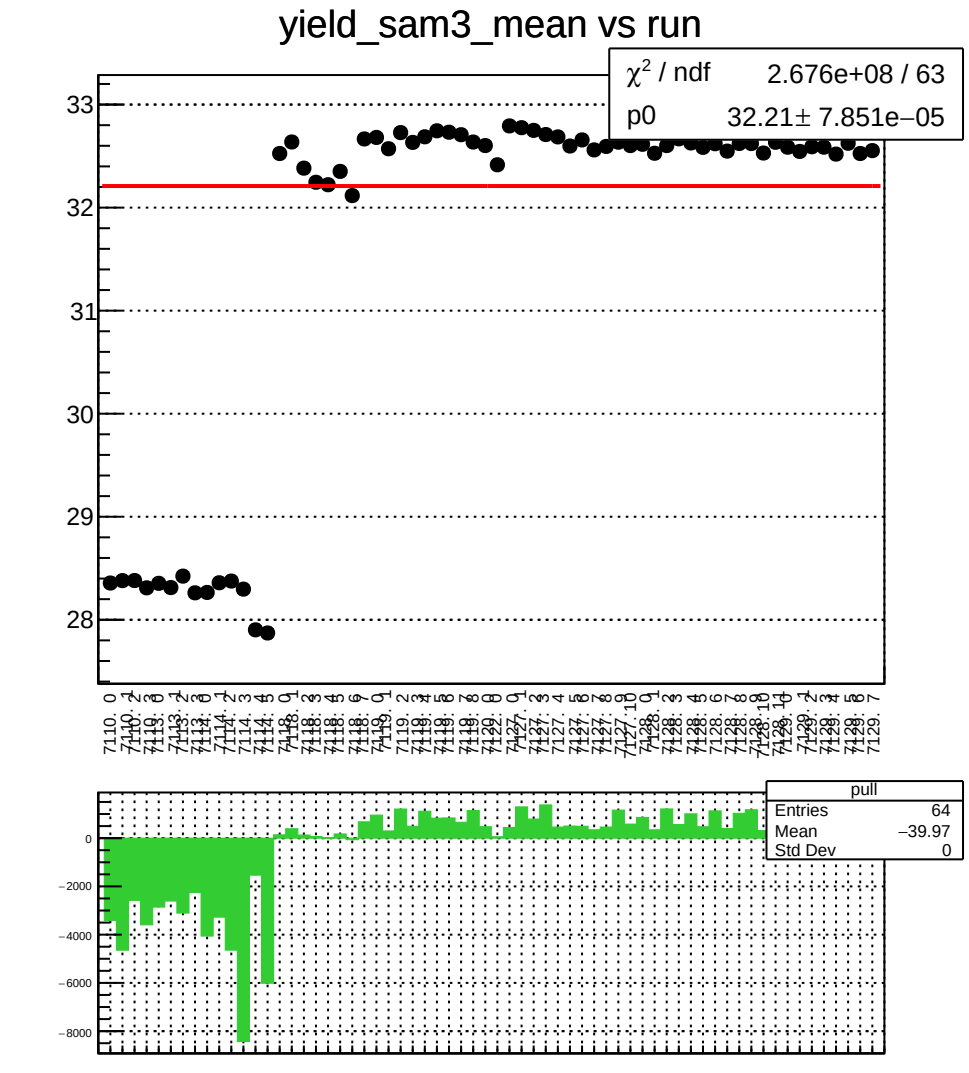

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

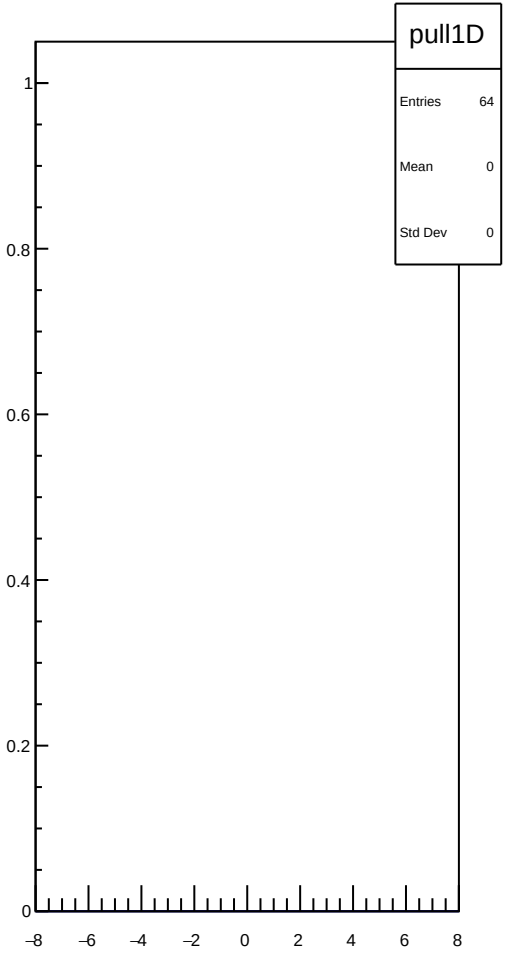

yield_sam1_rms vs run
χ² / ndf 5.359e+04 / 63
p0 0.01096 ± 1.012e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

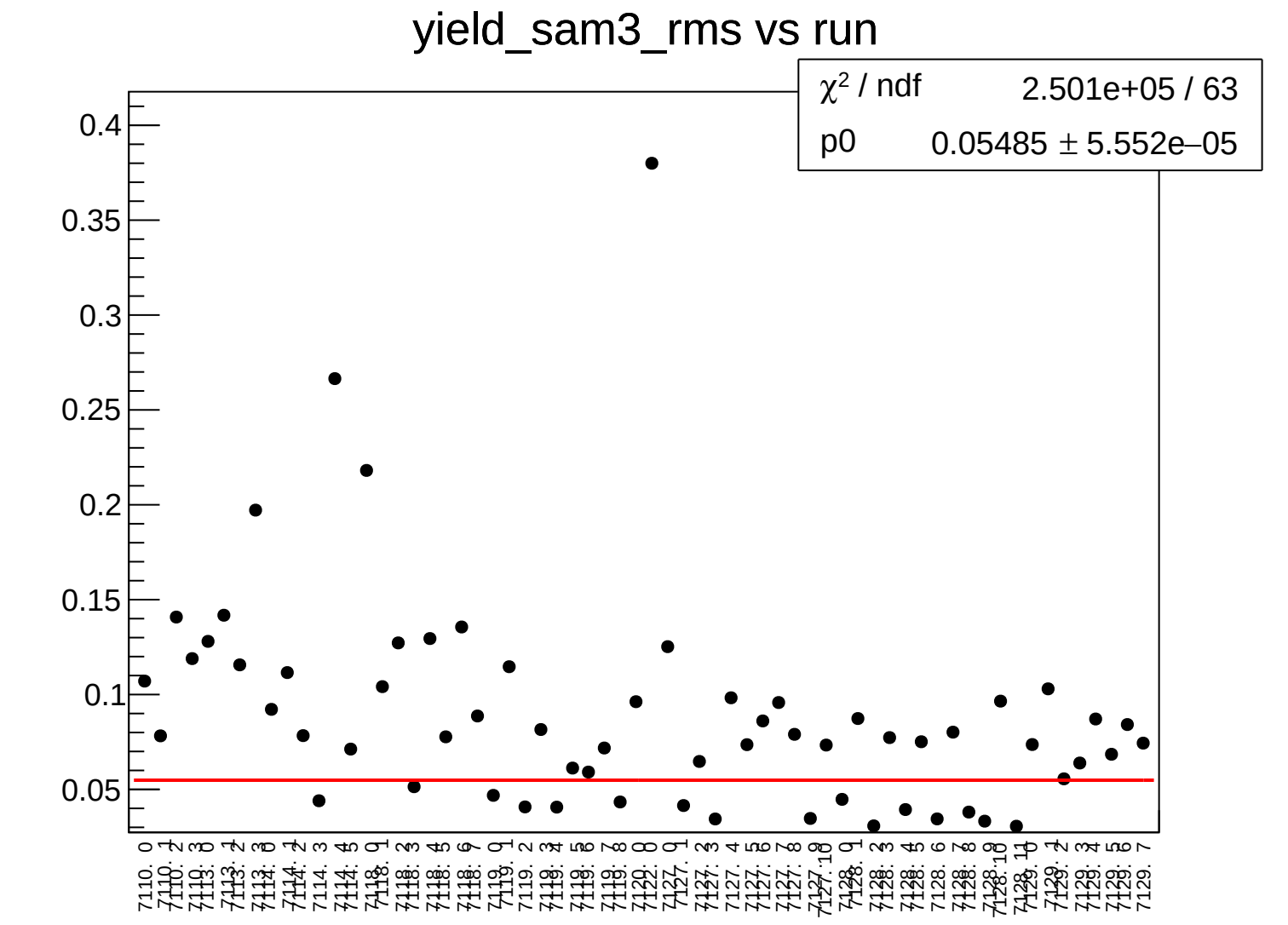

yield_sam2_mean vs run
χ² / ndf 5.122e+07 / 63
p0 27.31± 0.000146
28
27.5
27
26.5
26
25.5
25
24.5
pull
Entries 64
Mean −138.4
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000

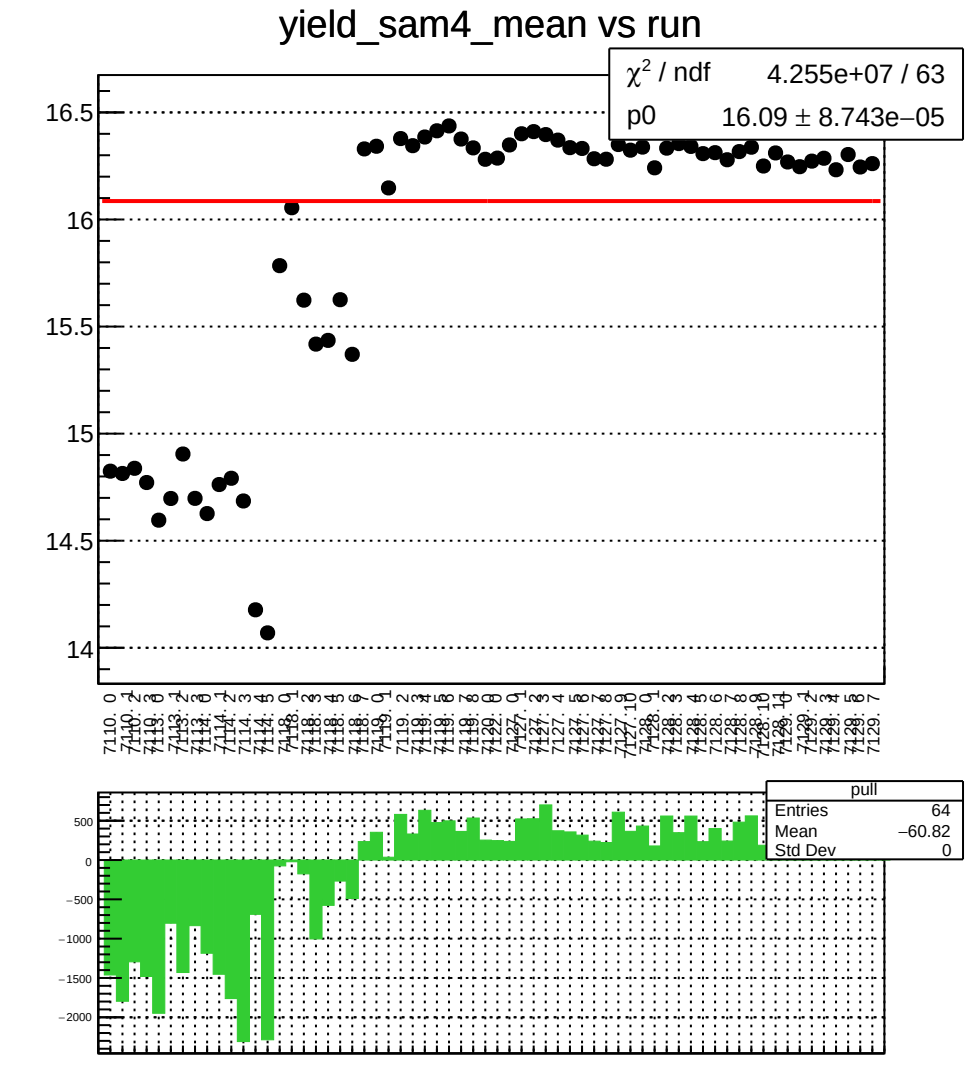

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

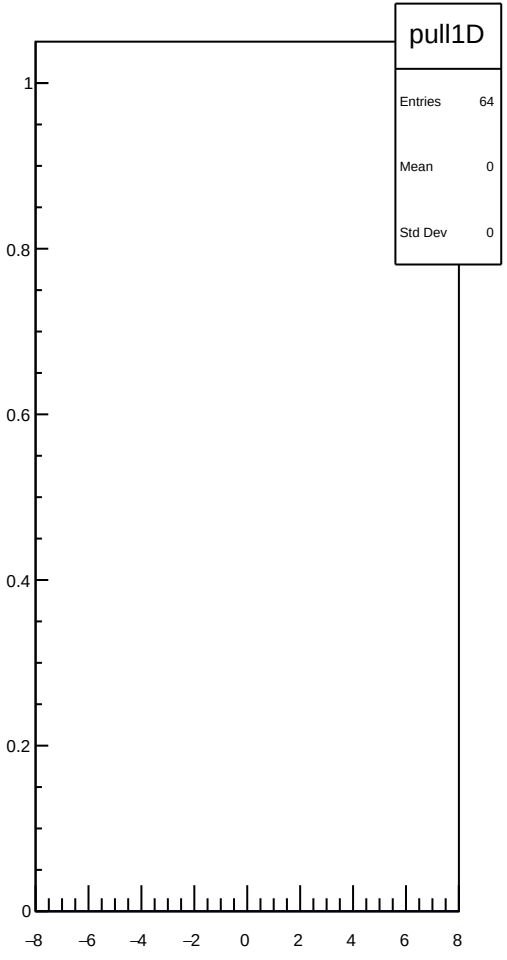

yield_sam2_rms vs run
χ² / ndf 1.264e+05 / 63
p0 0.1083 ± 0.0001032
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

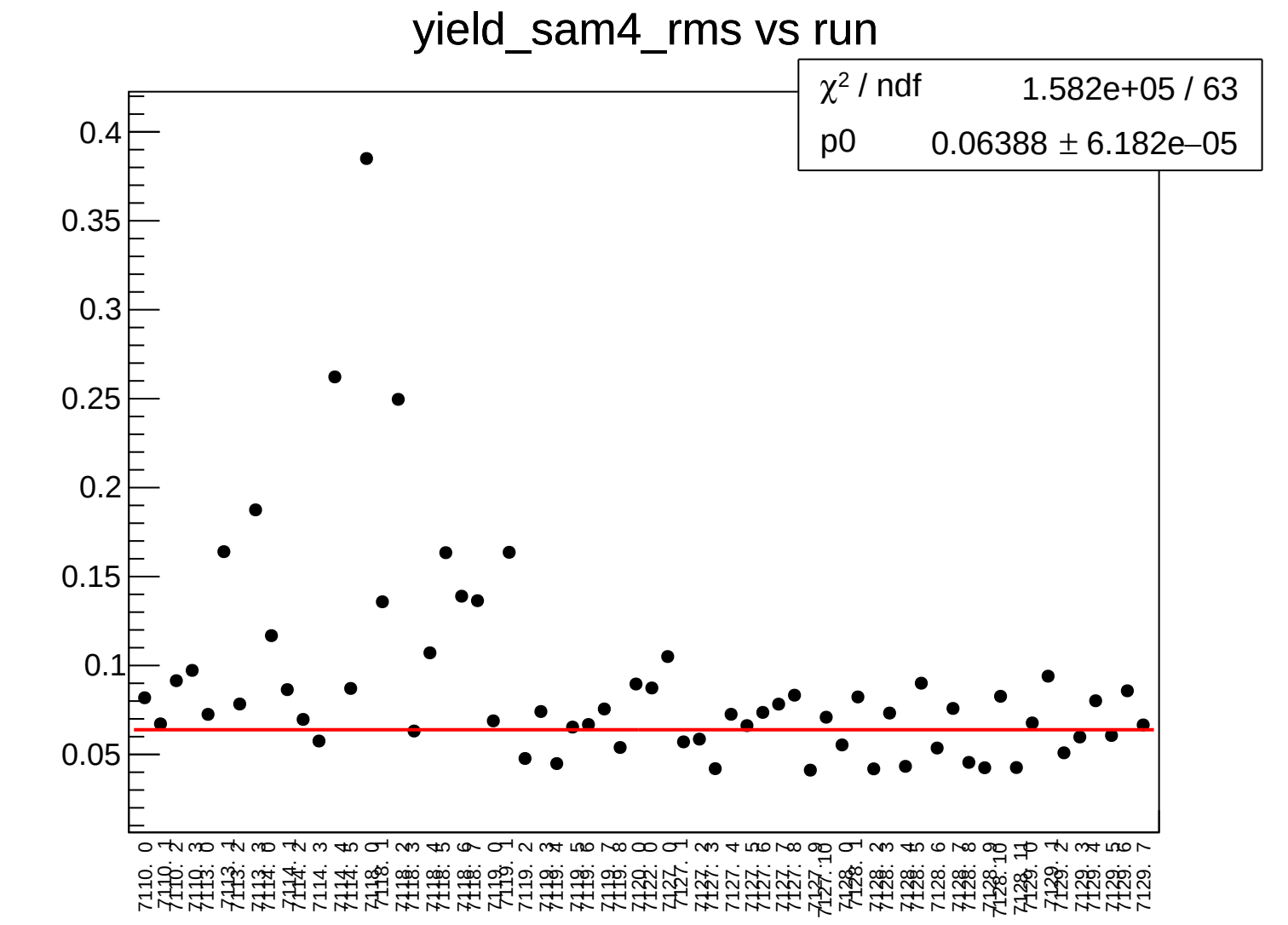

yield_sam3_mean vs run
χ² / ndf 2.676e+08 / 63
p0 32.21± 7.851e−05
pull
Entries 64
Mean −39.97
Std Dev 0

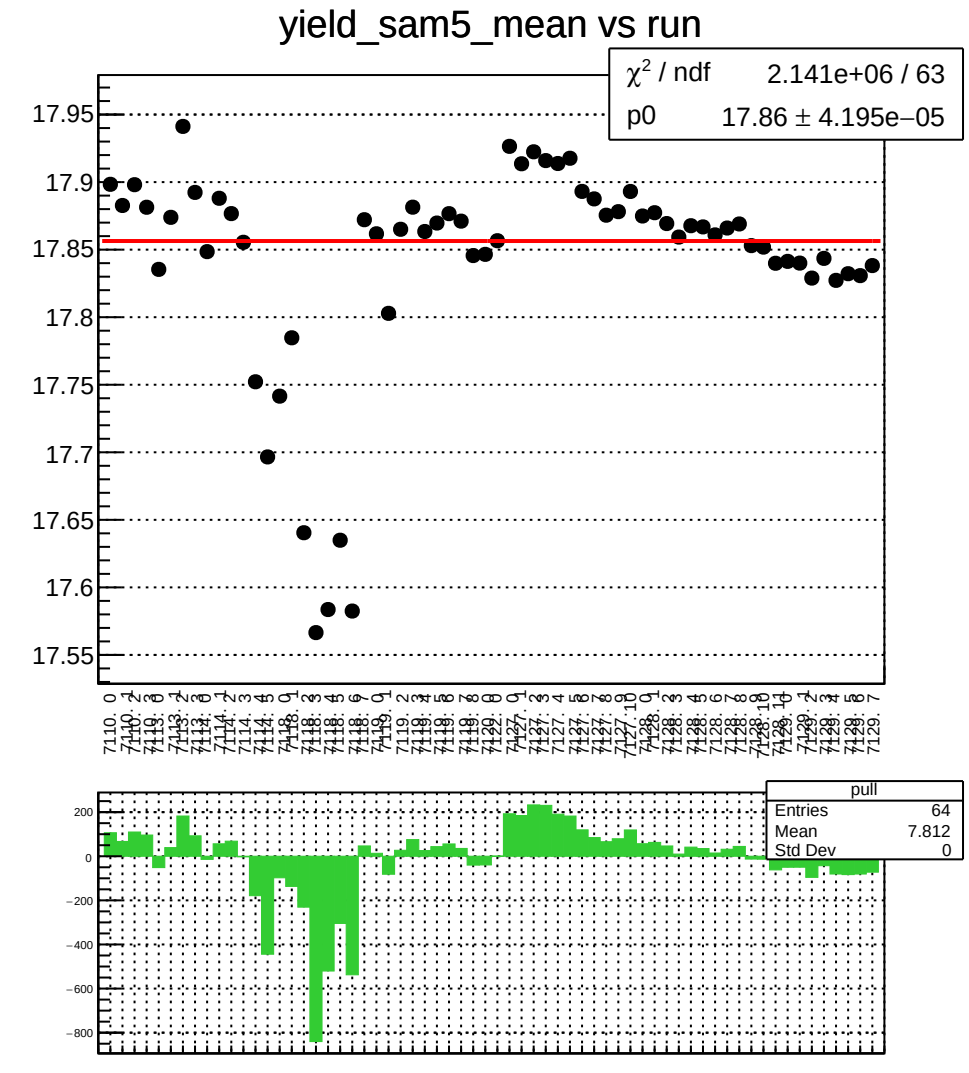

pull1D
Entries 64
Mean 0
Std Dev 0

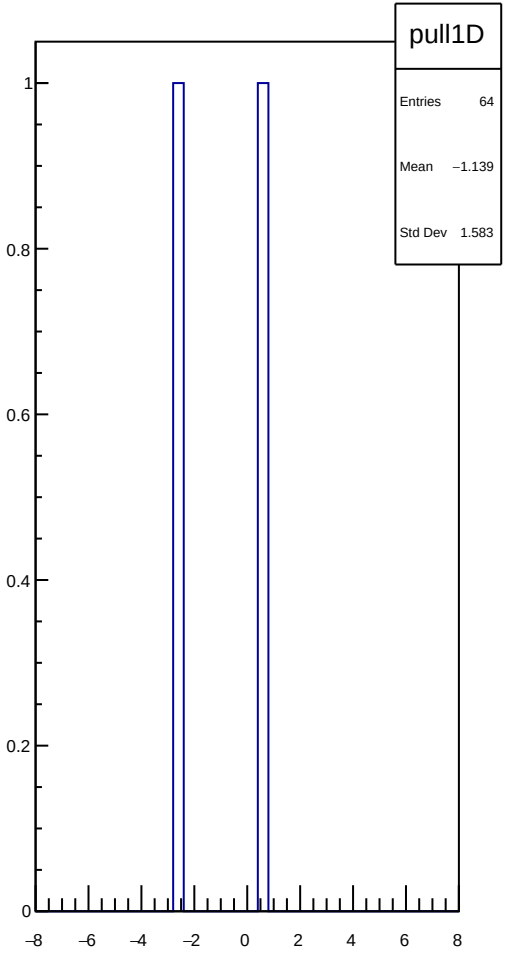

yield_sam3_rms vs run
χ² / ndf 2.501e+05 / 63
p0 0.05485 ± 5.552e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

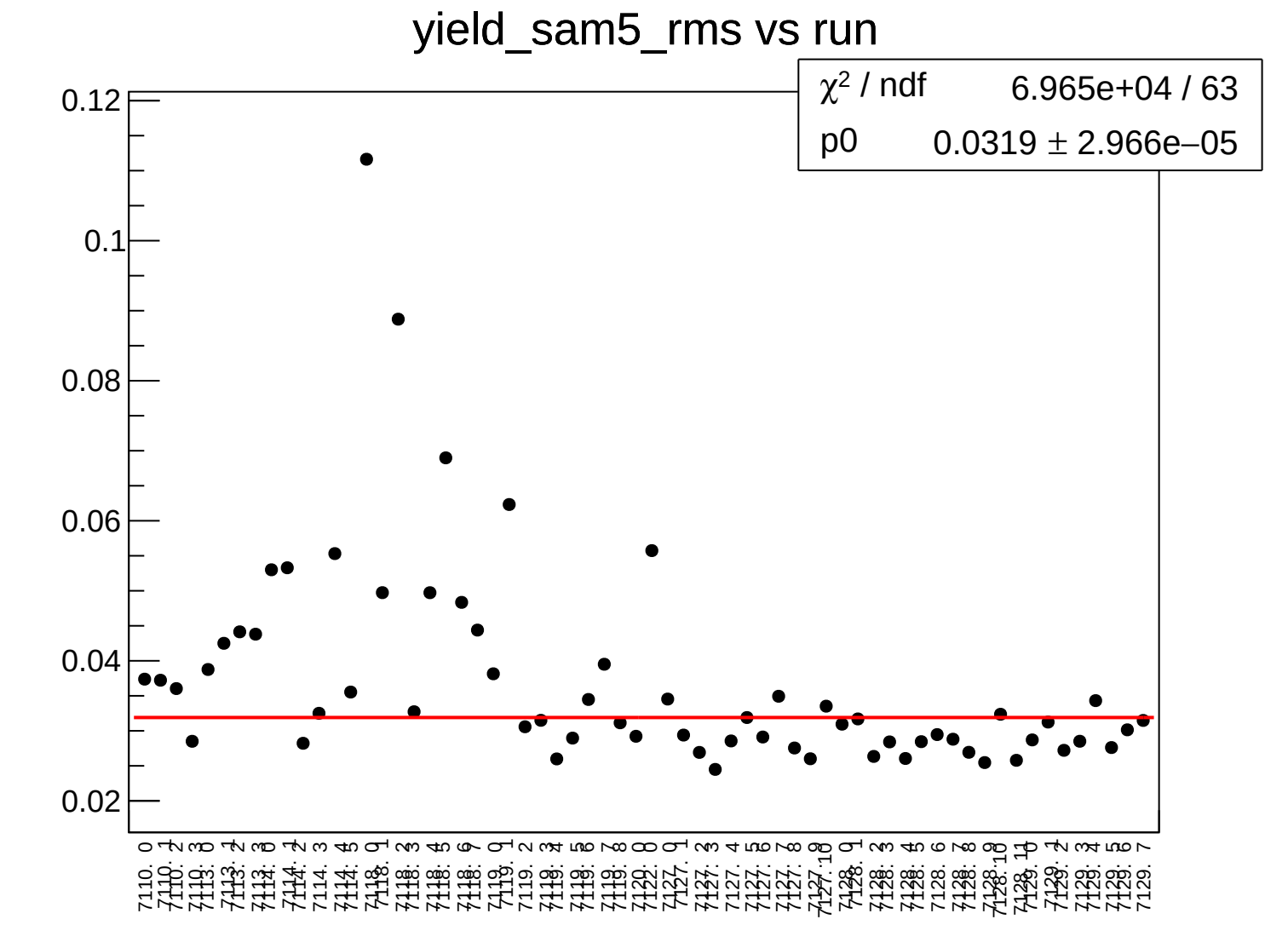

yield_sam4_mean vs run
χ² / ndf 4.255e+07 / 63
p0 16.09 ± 8.743e−05
16.5
16
15.5
15
14.5
14
pull
Entries 64
Mean −60.82
Std Dev 0
500
0
−500
−1000
−1500
−2000

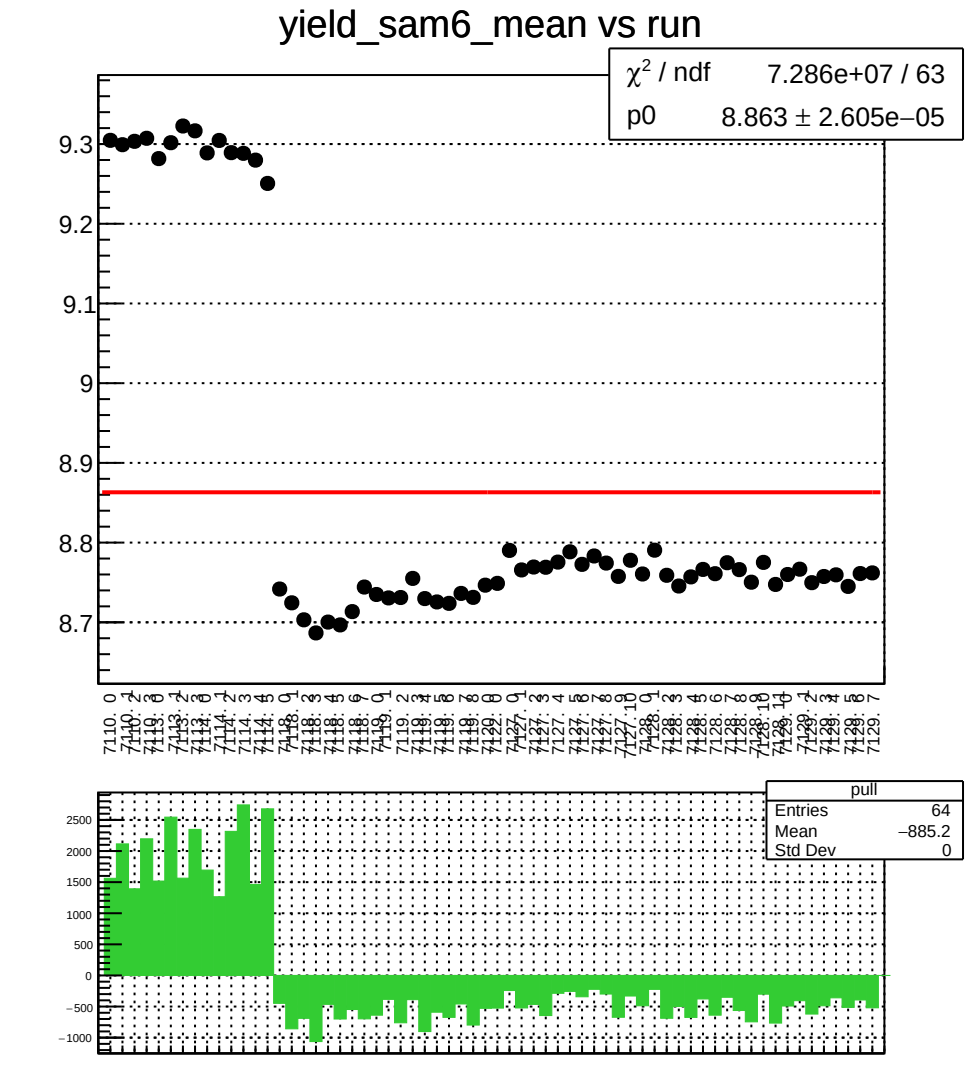

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

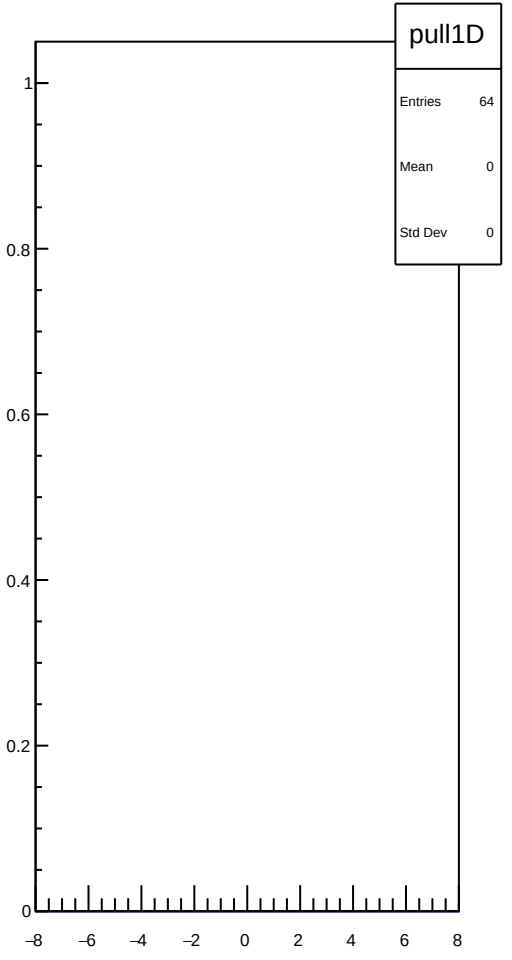

yield_sam4_rms vs run
χ² / ndf 1.582e+05 / 63
p0 0.06388 ± 6.182e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

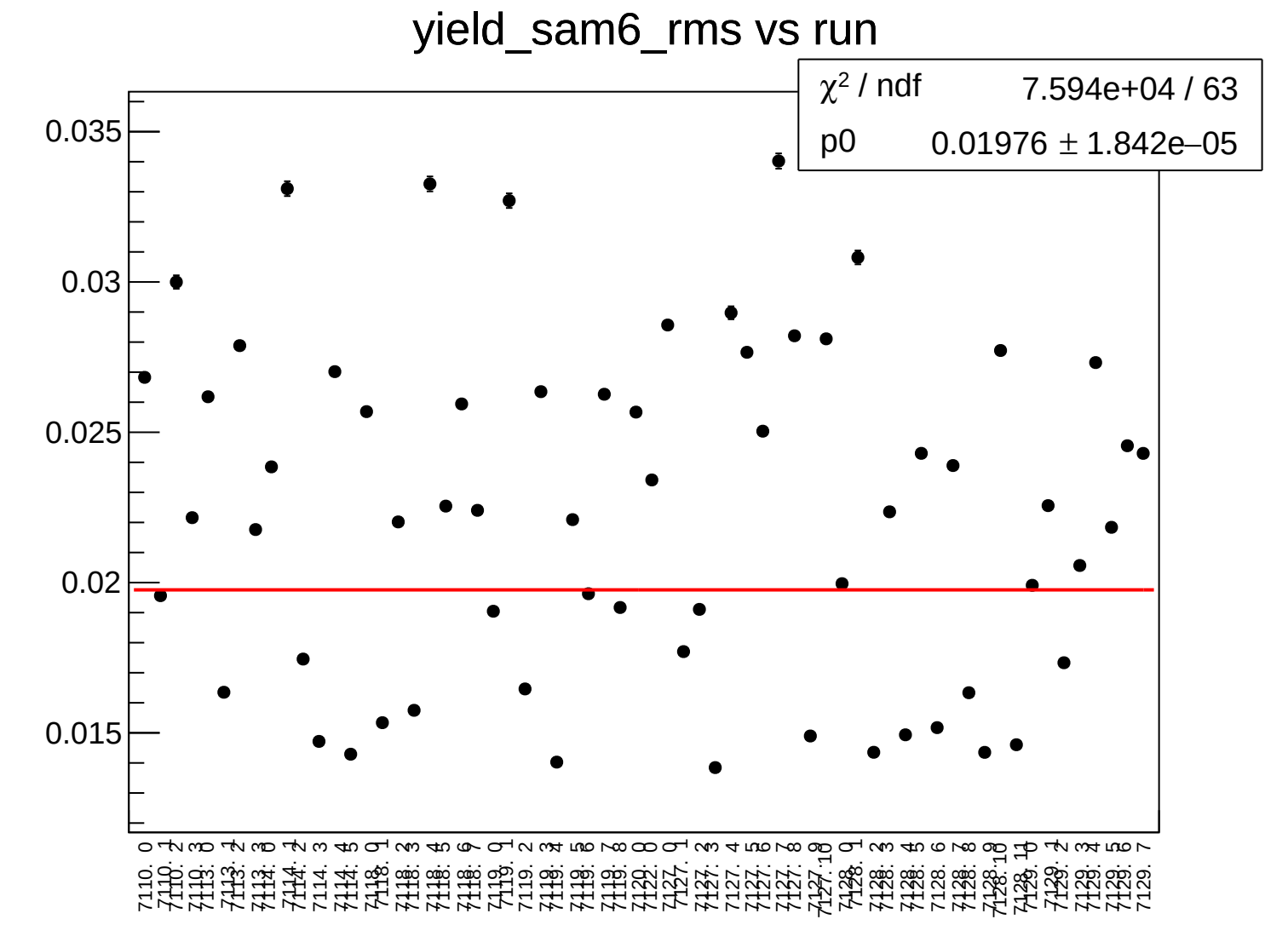

yield_sam5_mean vs run
χ² / ndf 2.141e+06 / 63
p0 17.86 ± 4.195e−05
17.95
17.9
17.85
17.8
17.75
17.7
17.65
17.6
17.55
pull
Entries 64
Mean 7.812
Std Dev 0
200
0
−200
−400
−600
−800

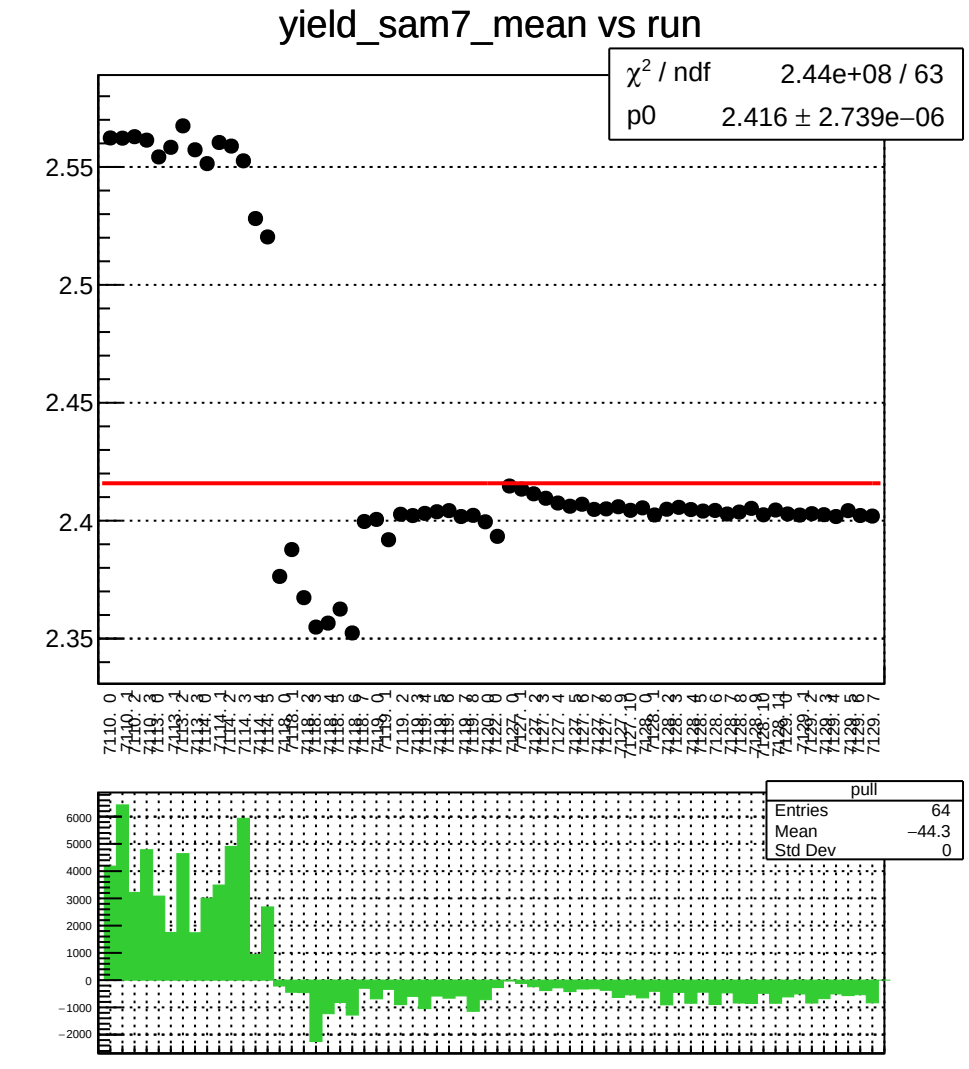

pull1D
Entries 64
Mean −1.139
Std Dev 1.583
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

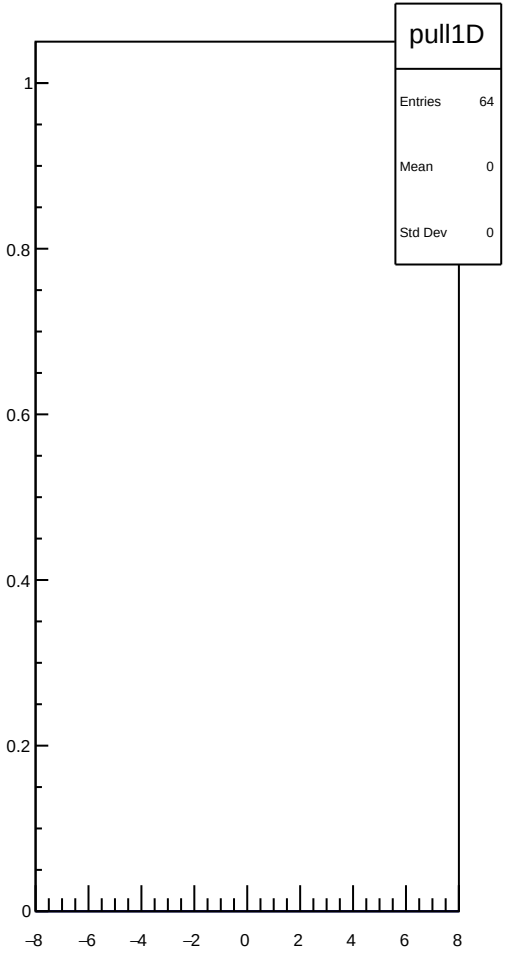

yield_sam5_rms vs run
χ² / ndf 6.965e+04 / 63
p0 0.0319 ± 2.966e−05
0.12
0.1
0.08
0.06
0.04
0.02

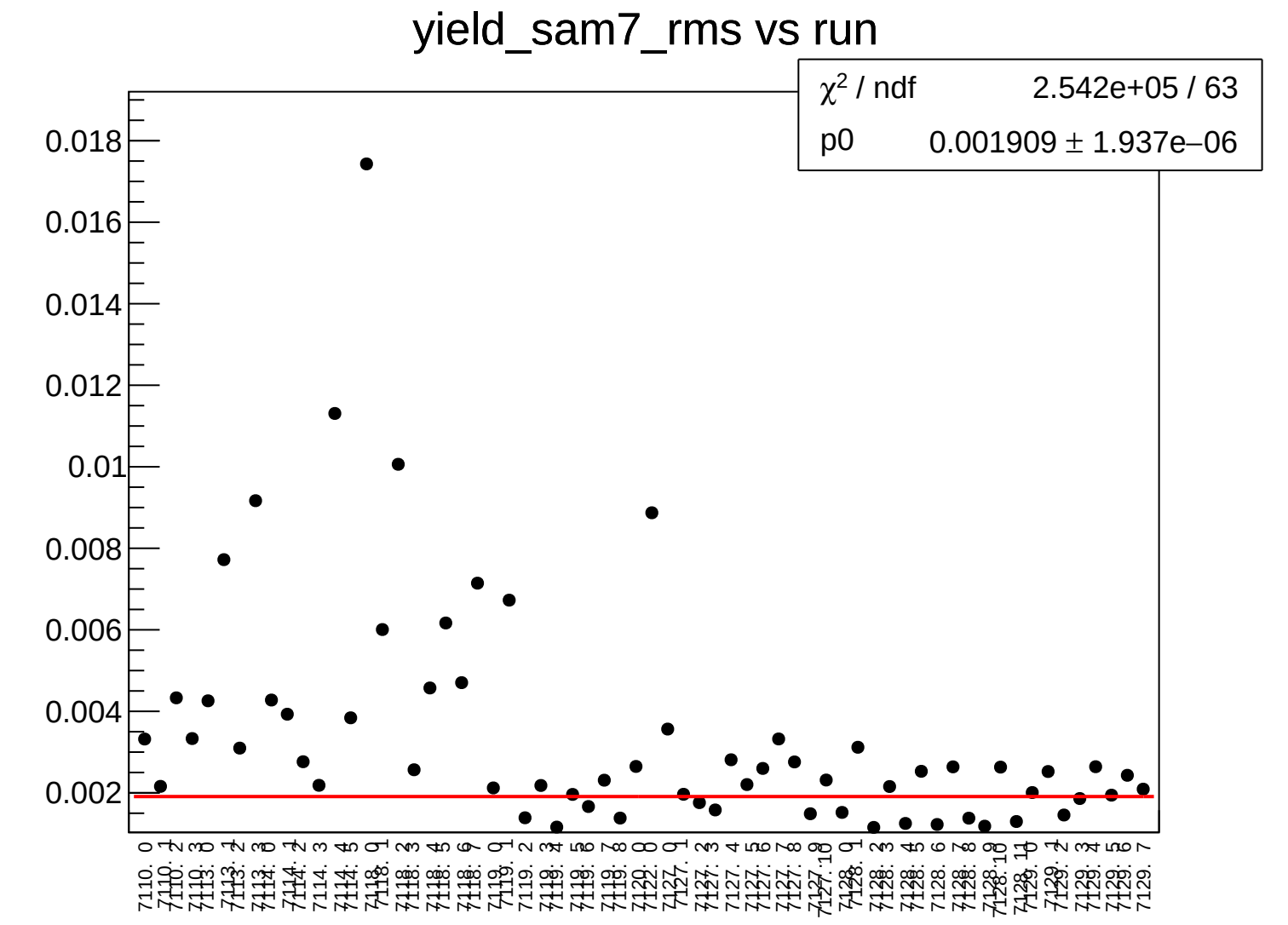

yield_sam6_mean vs run
χ² / ndf 7.286e+07 / 63
p0 8.863 ± 2.605e−05
9.3
9.2
9.1
9
8.9
8.8
8.7
pull
Entries 64
Mean −885.2
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000

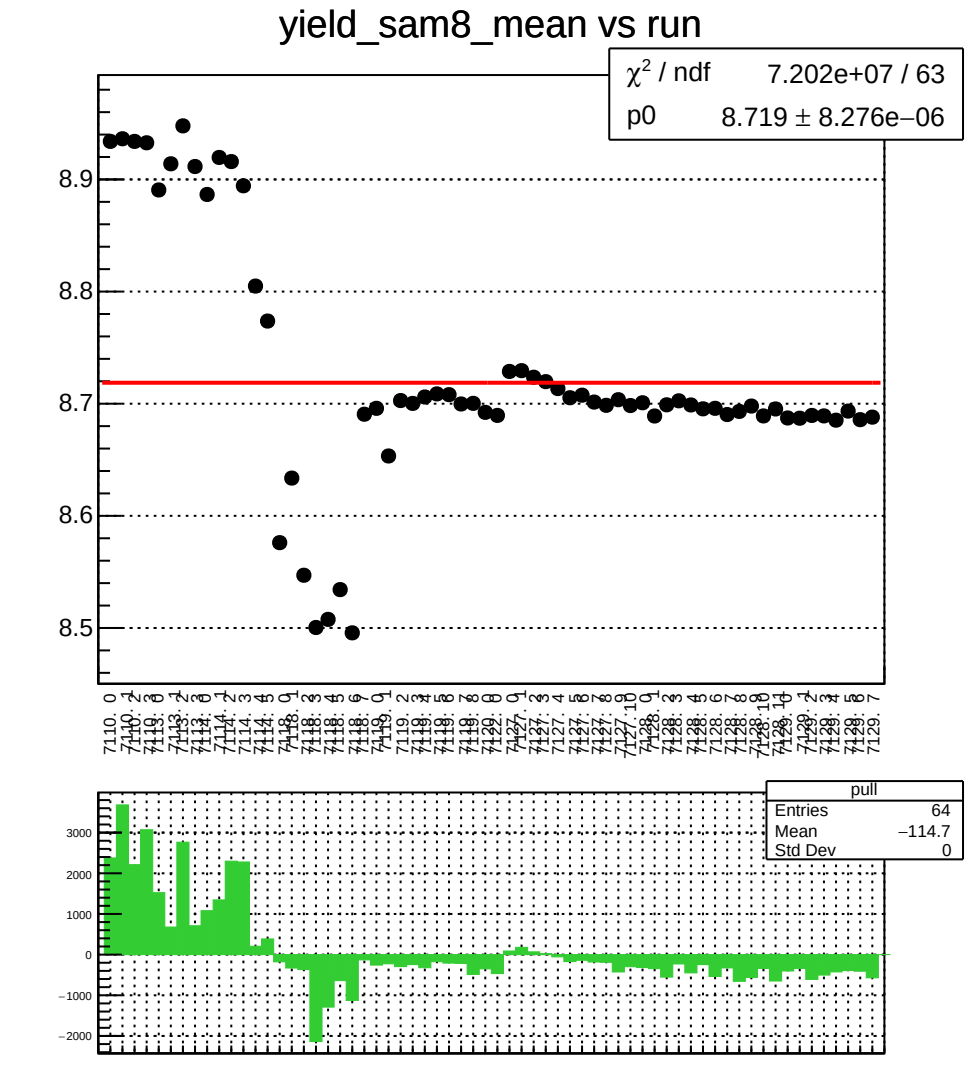

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

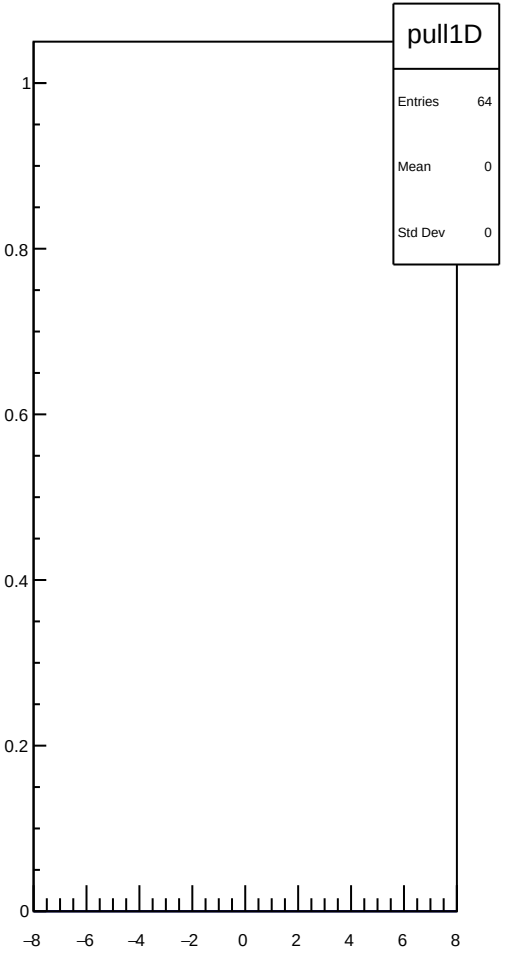

yield_sam6_rms vs run
χ² / ndf 7.594e+04 / 63
p0 0.01976 ± 1.842e–05
0.035
0.03
0.025
0.02
0.015

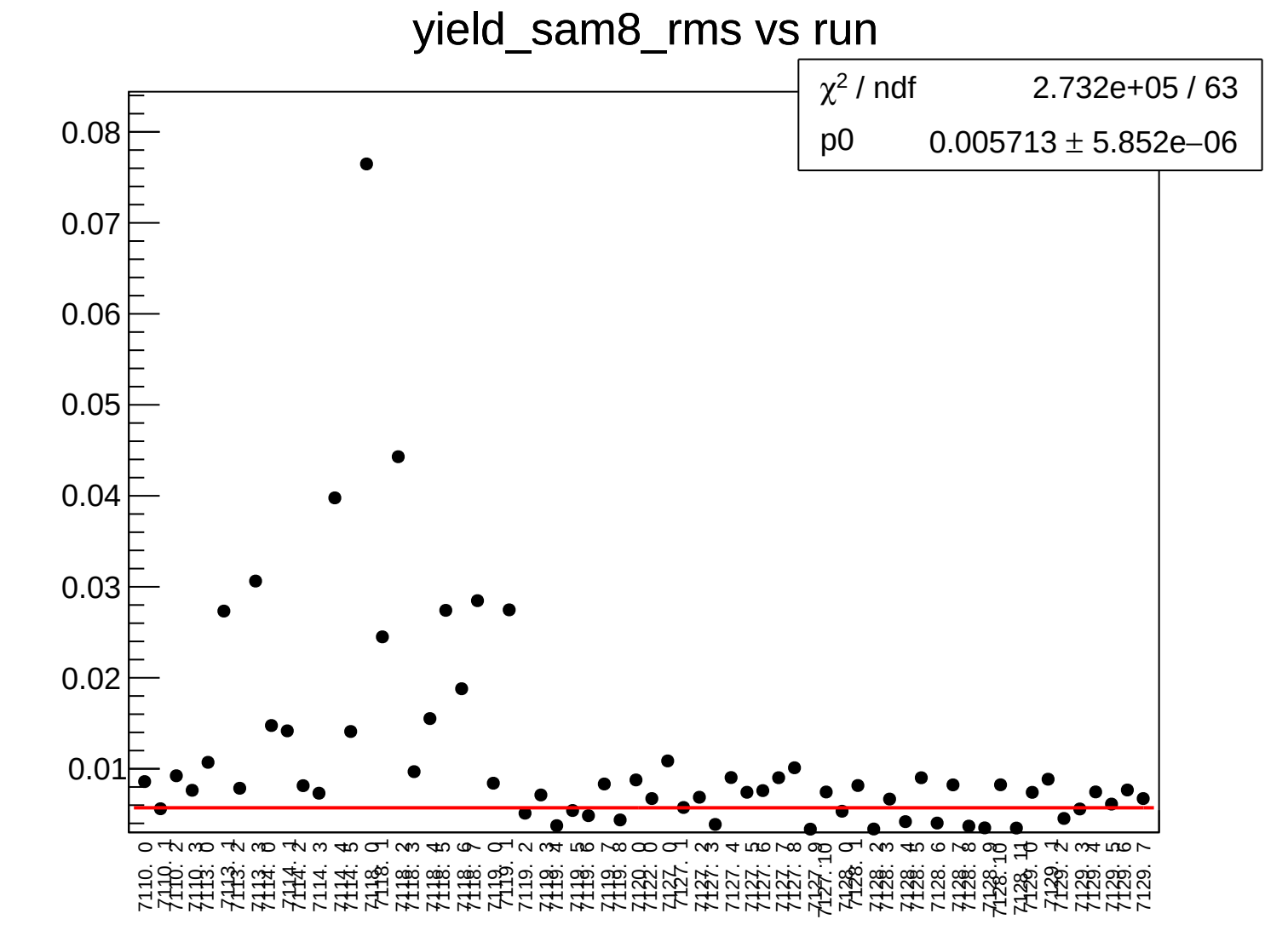

yield_sam7_mean vs run
χ² / ndf 2.44e+08 / 63
p0 2.416 ± 2.739e−06
2.55
2.5
2.45
2.4
2.35
pull
Entries 64
Mean −44.3
Std Dev 0
6000
5000
4000
3000
2000
1000
0
−1000
−2000

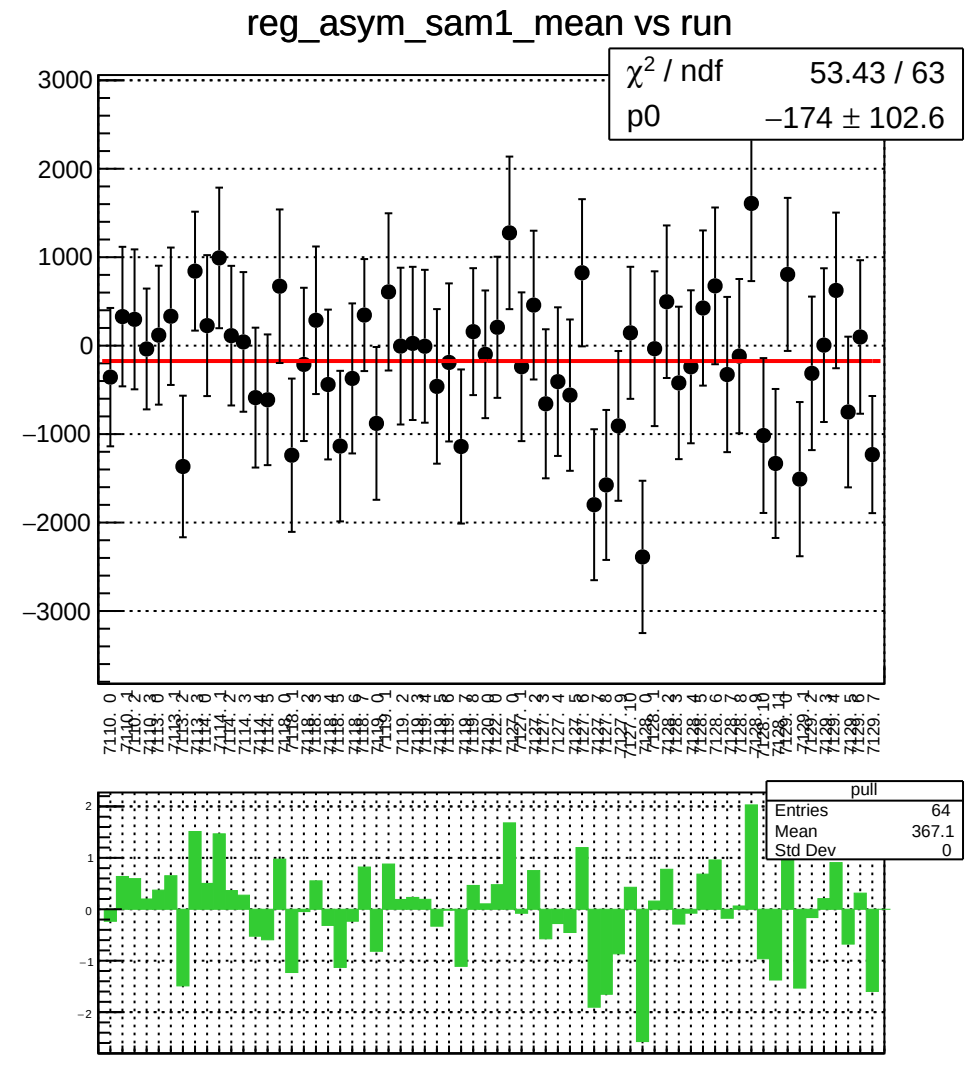

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

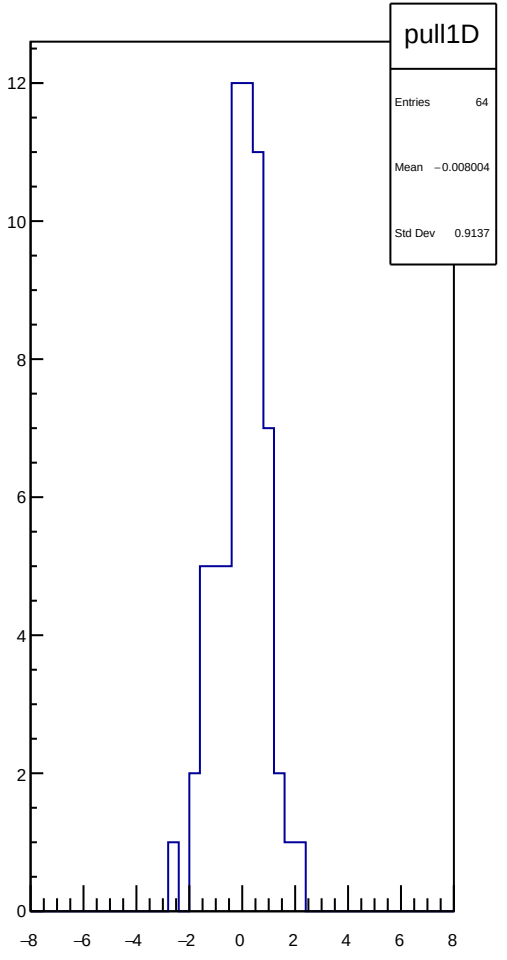

yield_sam7_rms vs run
χ² / ndf 2.542e+05 / 63
p0 0.001909 ± 1.937e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

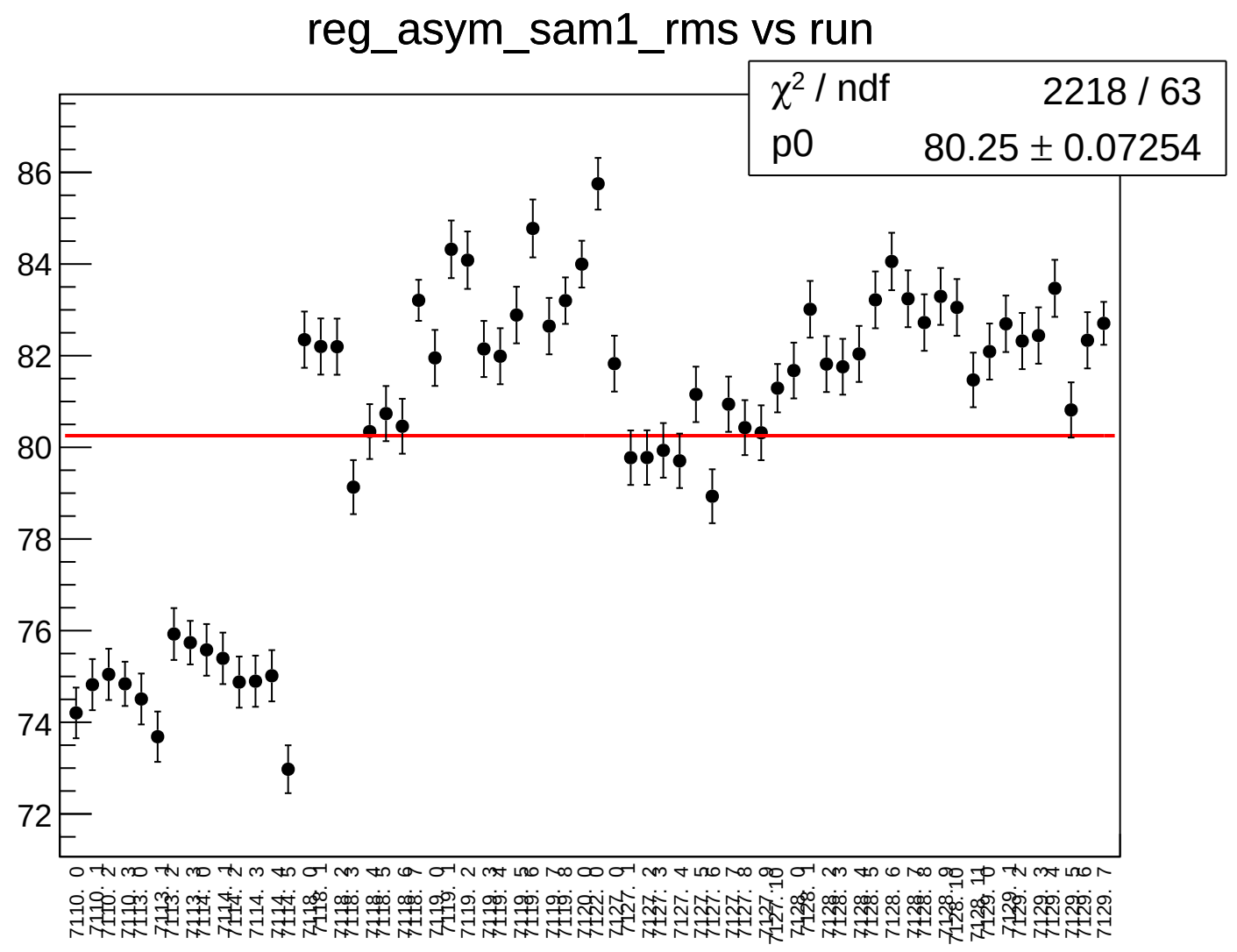

yield_sam8_mean vs run
χ² / ndf 7.202e+07 / 63
p0 8.719 ± 8.276e−06
8.9
8.8
8.7
8.6
8.5
pull
Entries 64
Mean −114.7
Std Dev 0
3000
2000
1000
0
−1000
−2000

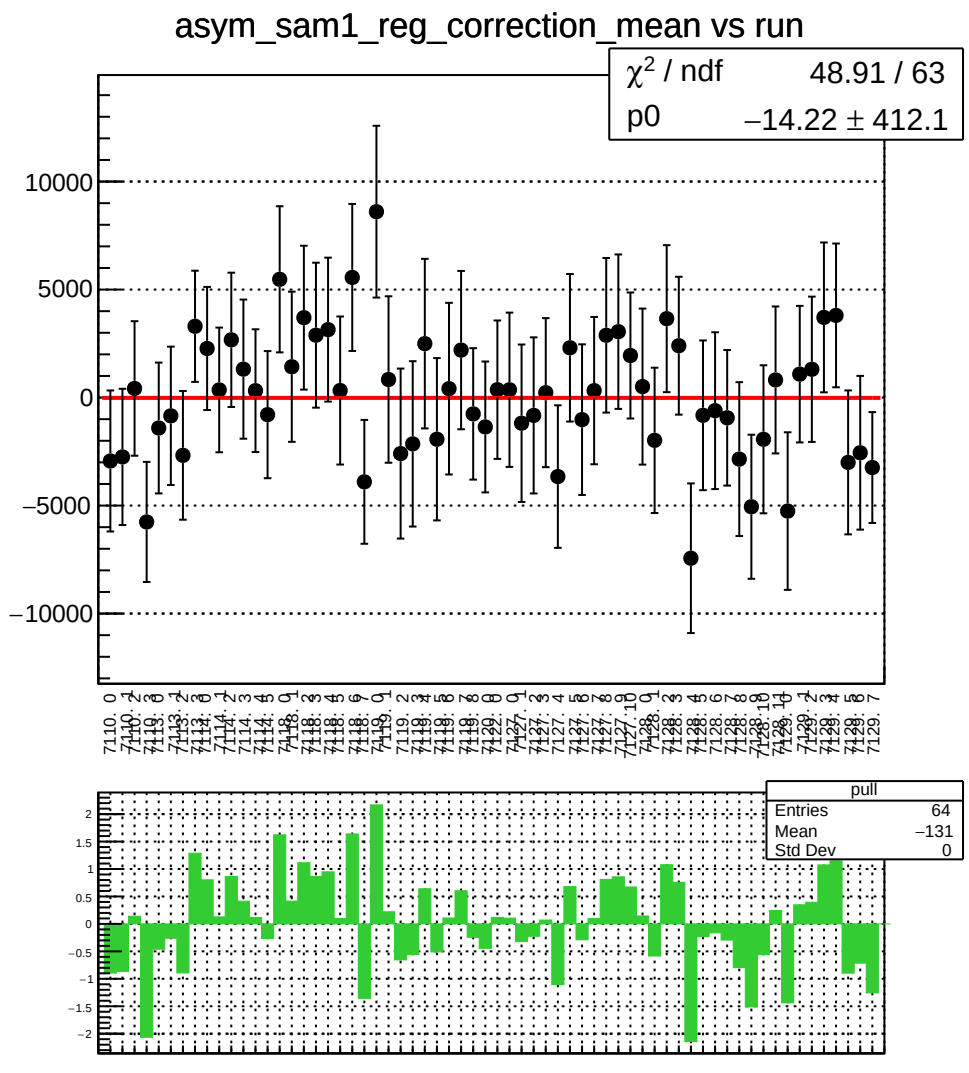

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

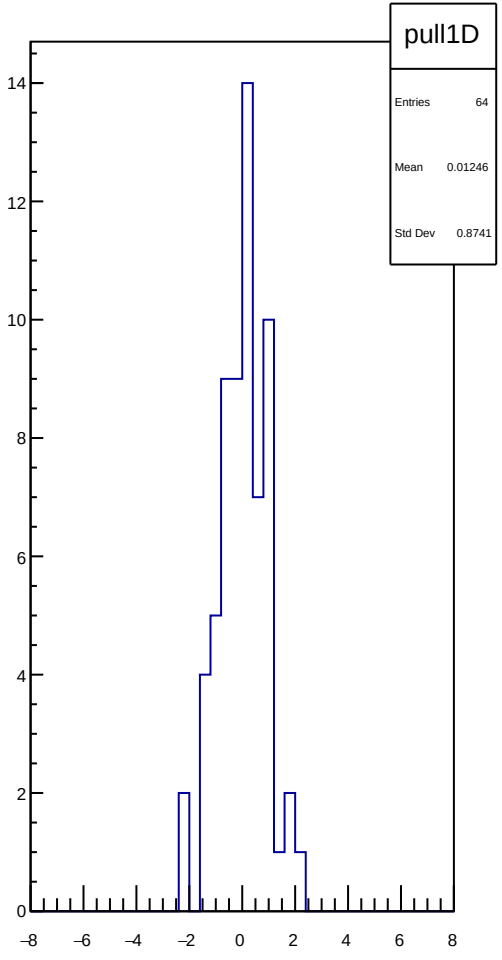

yield_sam8_rms vs run
χ² / ndf 2.732e+05 / 63
p0 0.005713 ± 5.852e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

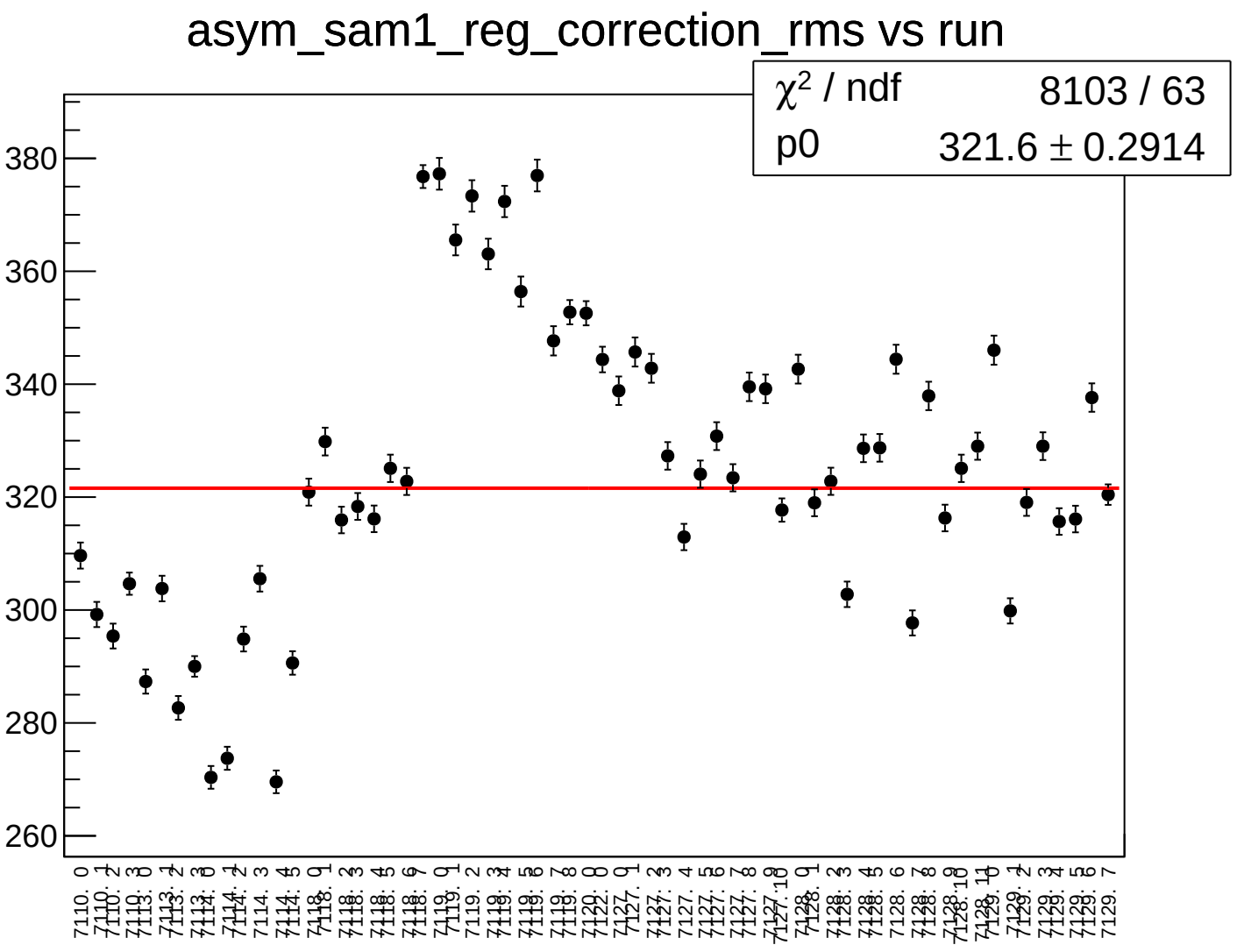

reg_asym_sam1_mean vs run
χ² / ndf 53.43 / 63
p0 −174 ± 102.6
pull
Entries 64
Mean 367.1
Std Dev 0

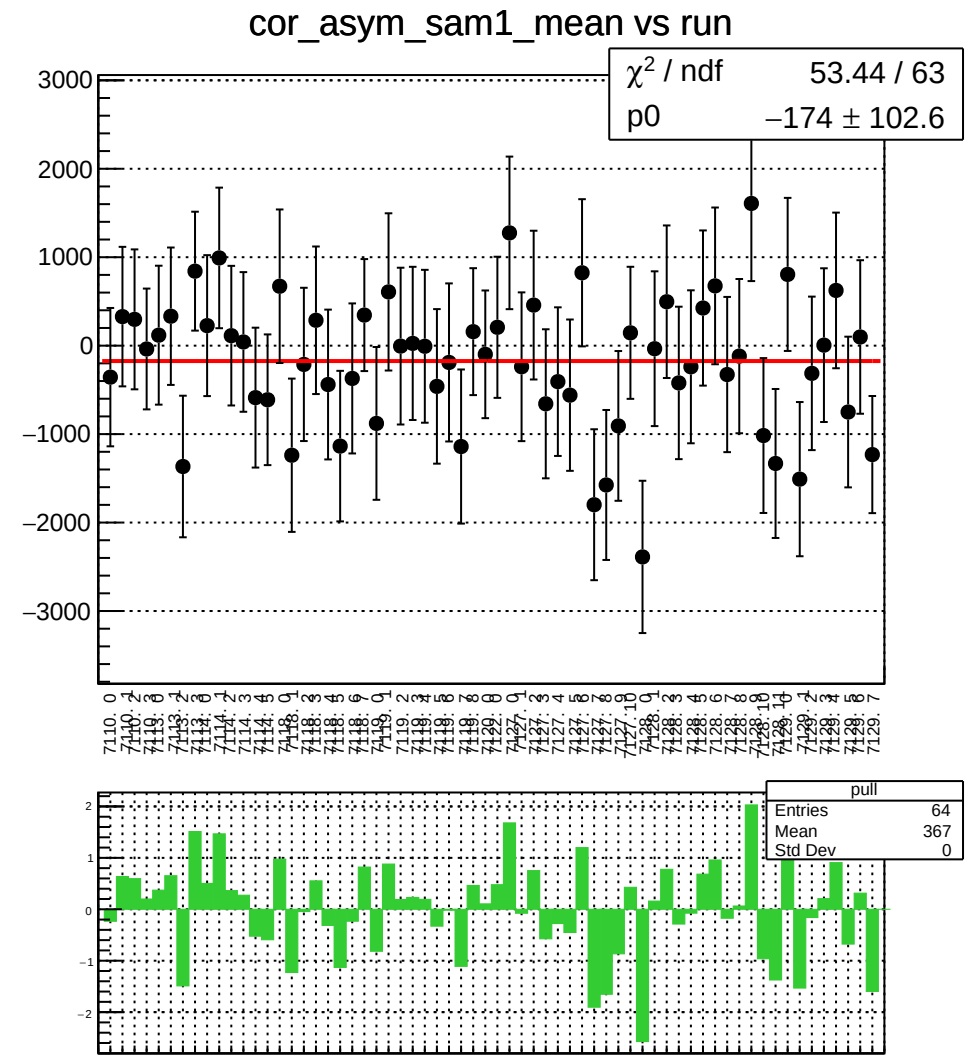

pull1D
Entries 64
Mean −0.008004
Std Dev 0.9137

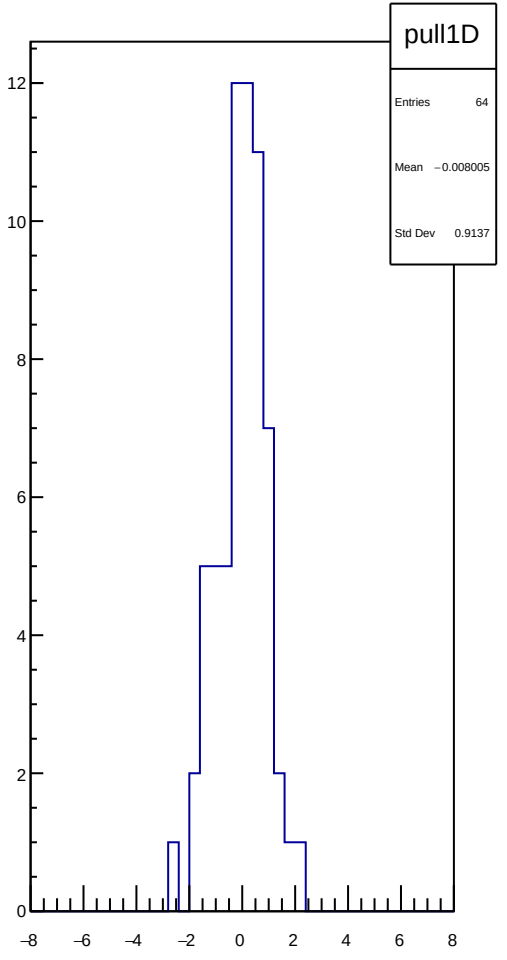

reg_asym_sam1_rms vs run
χ² / ndf 2218 / 63
p0 80.25 ± 0.07254
86
84
82
80
78
76
74
72

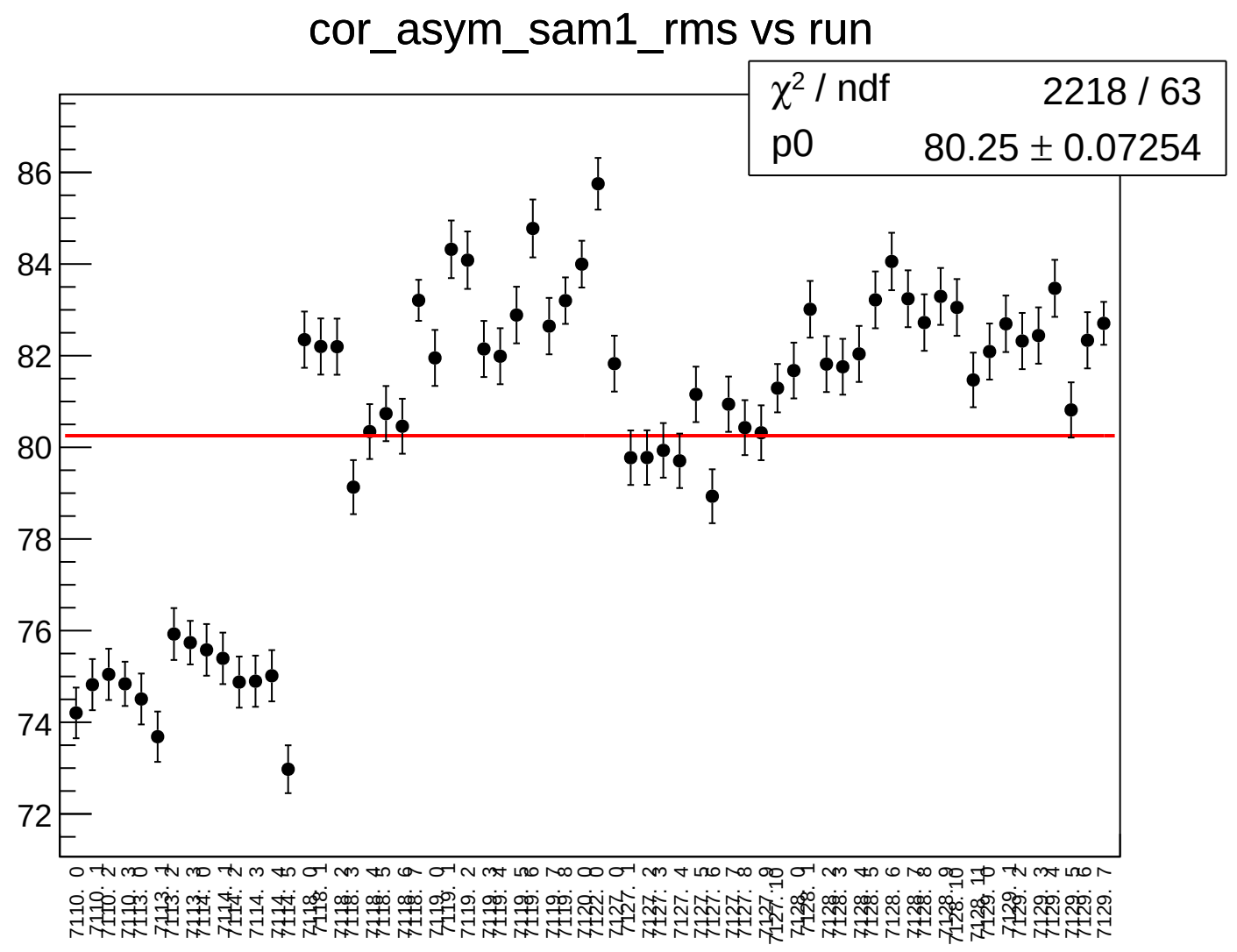

asym_sam1_reg_correction_mean vs run
χ² / ndf 48.91 / 63
p0 −14.22 ± 412.1
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −131
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

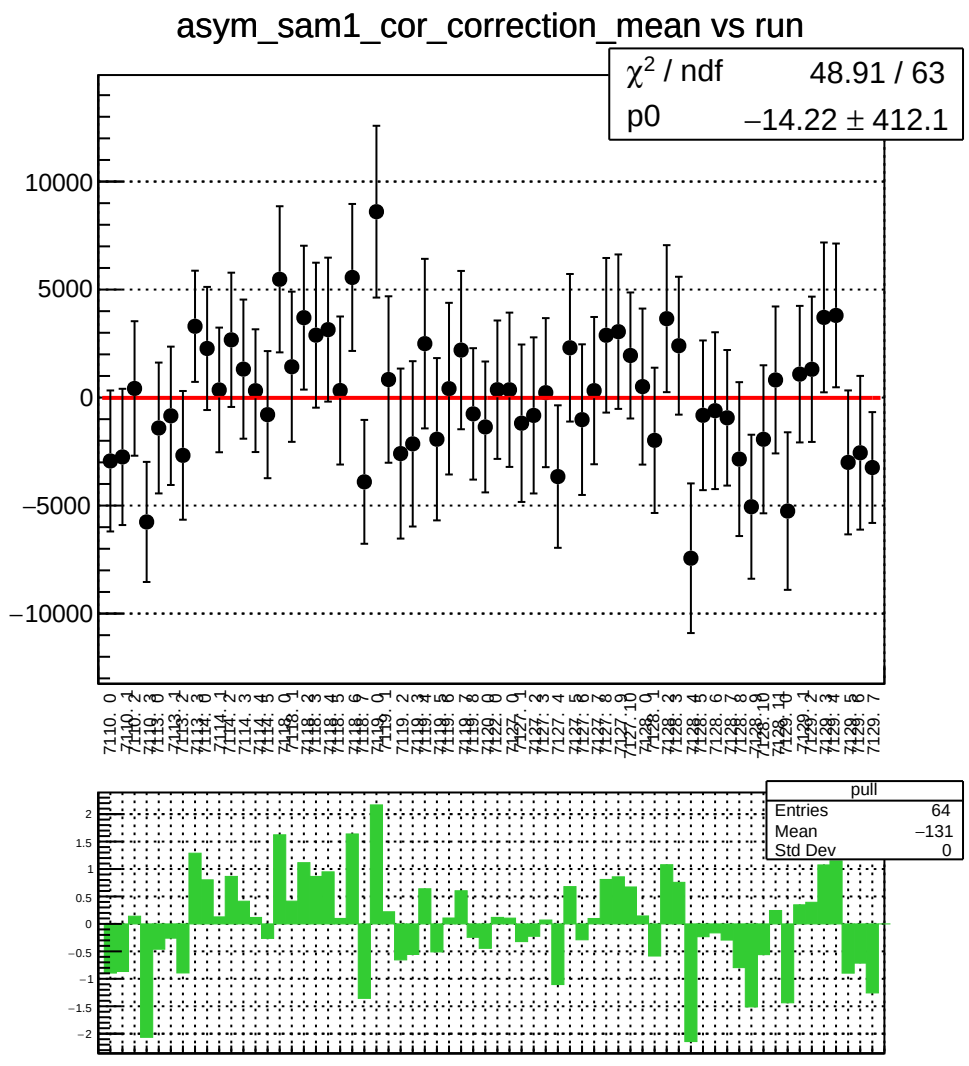

pull1D
Entries 64
Mean 0.01246
Std Dev 0.8741
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

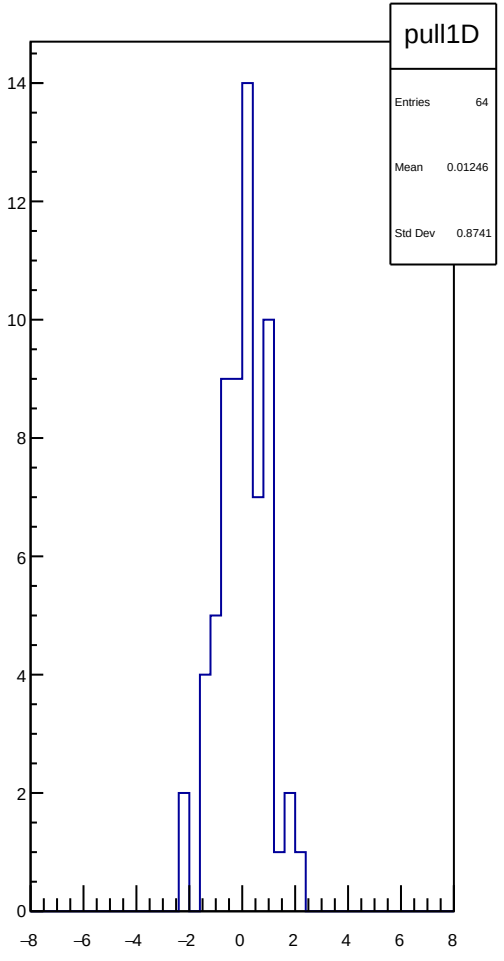

asym_sam1_reg_correction_rms vs run
χ² / ndf 8103 / 63
p0 321.6 ± 0.2914
380
360
340
320
300
280
260

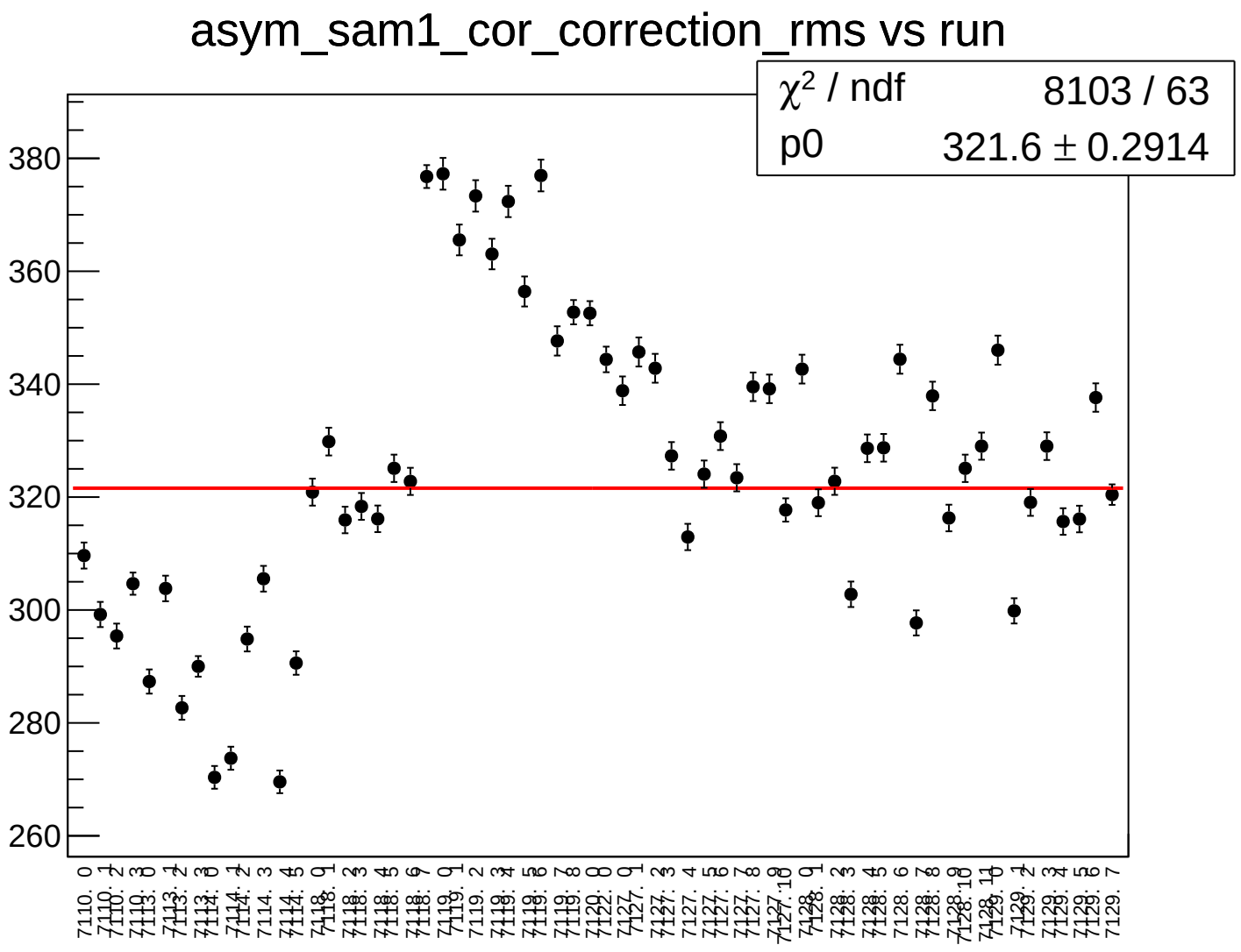

cor_asym_sam1_mean vs run
χ² / ndf 53.44 / 63
p0 −174 ± 102.6
pull
Entries 64
Mean 367
Std Dev 0

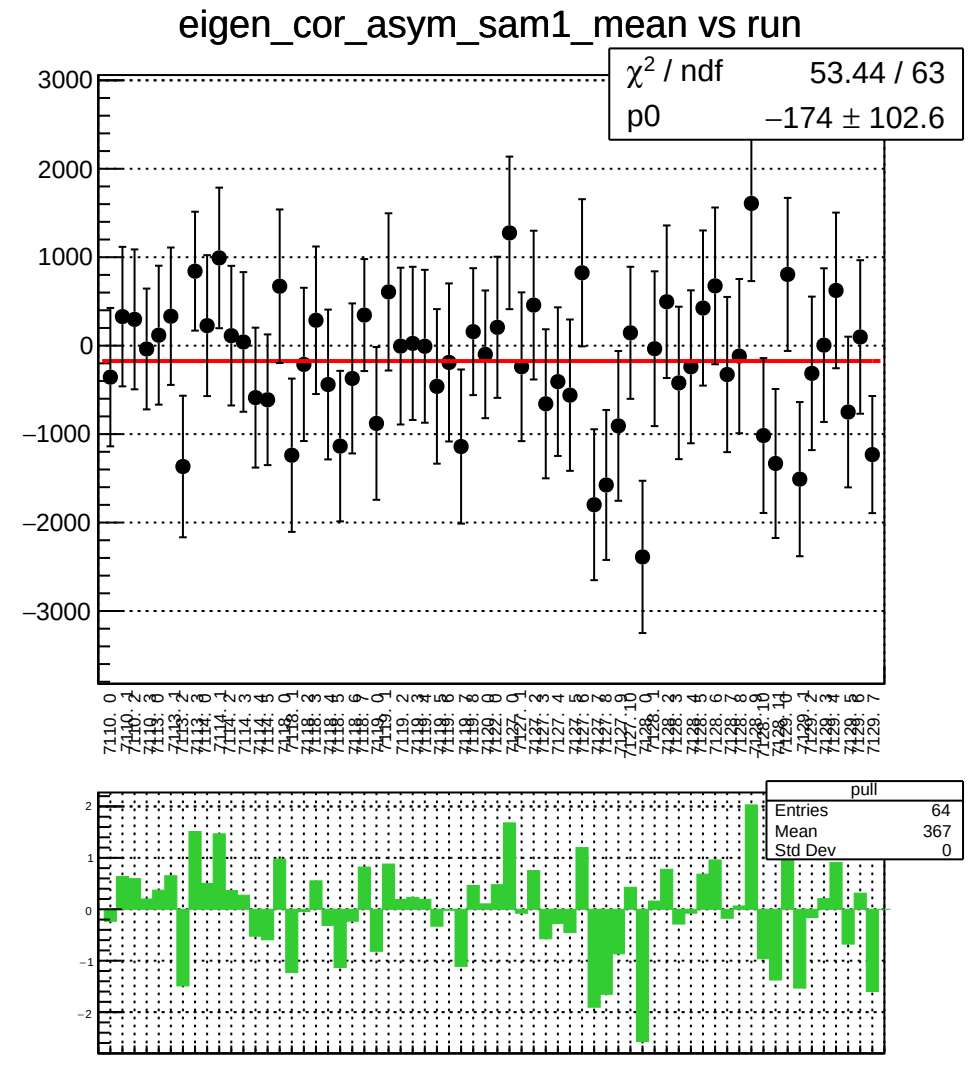

pull1D
Entries 64
Mean −0.008005
Std Dev 0.9137

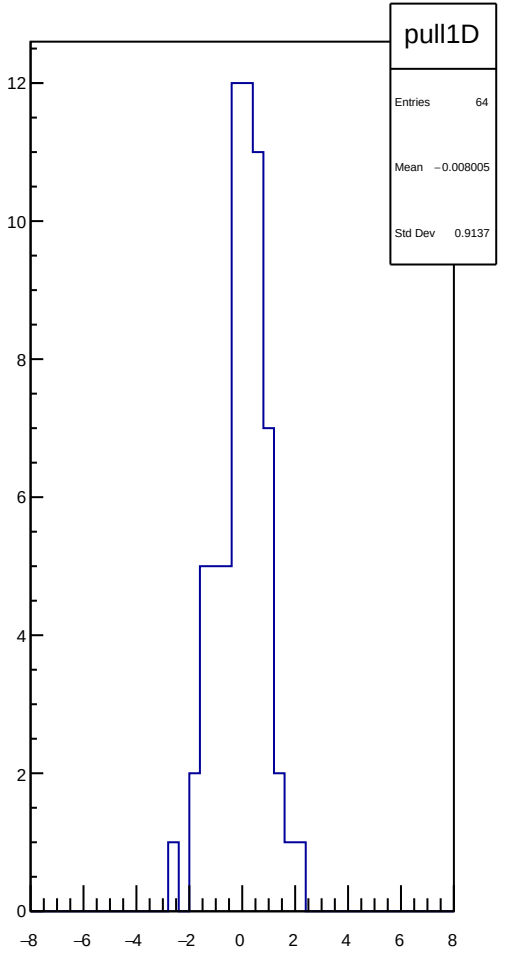

cor_asym_sam1_rms vs run
χ² / ndf 2218 / 63
p0 80.25 ± 0.07254
86
84
82
80
78
76
74
72

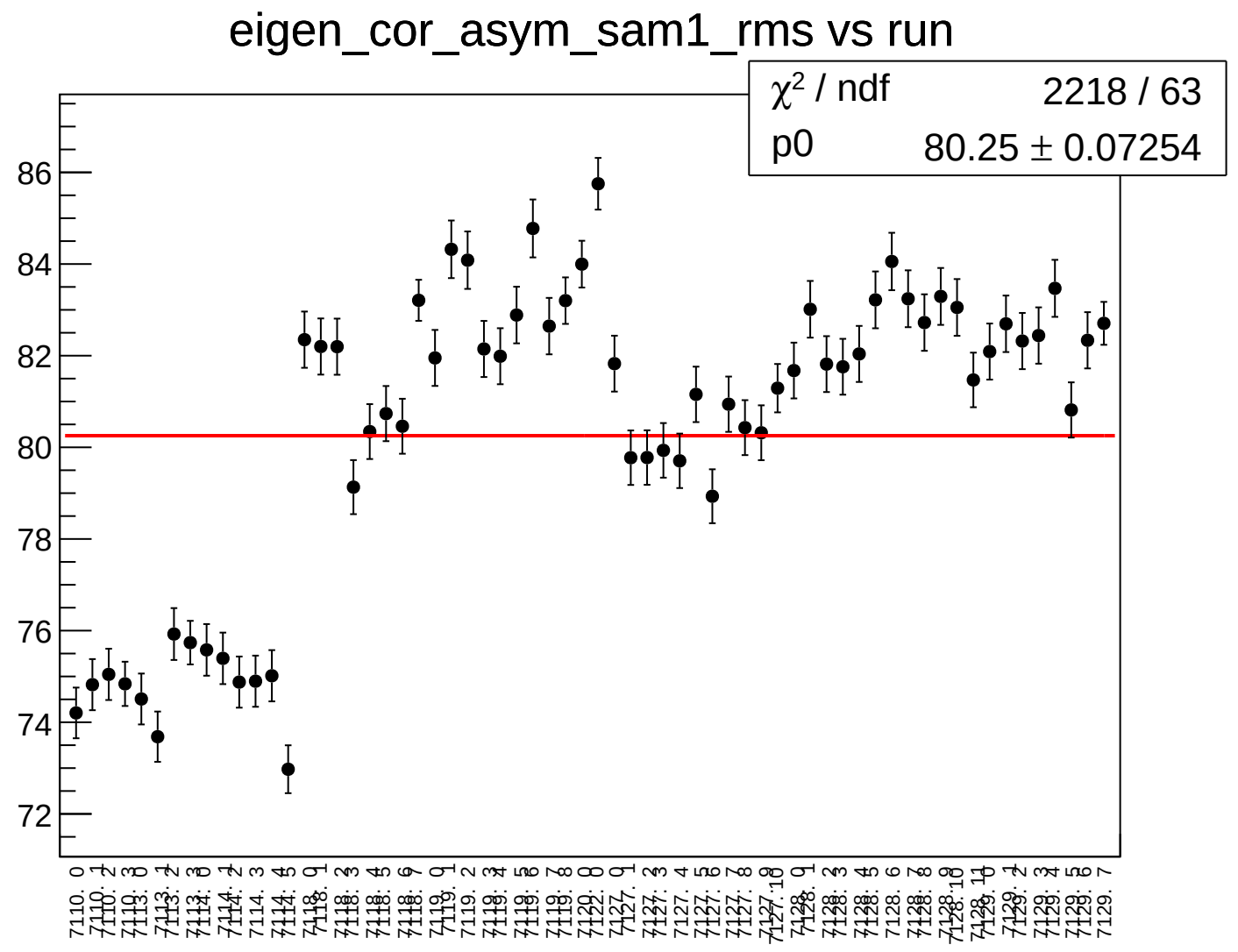

asym_sam1_cor_correction_mean vs run
χ² / ndf 48.91 / 63
p0 −14.22 ± 412.1
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −131
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

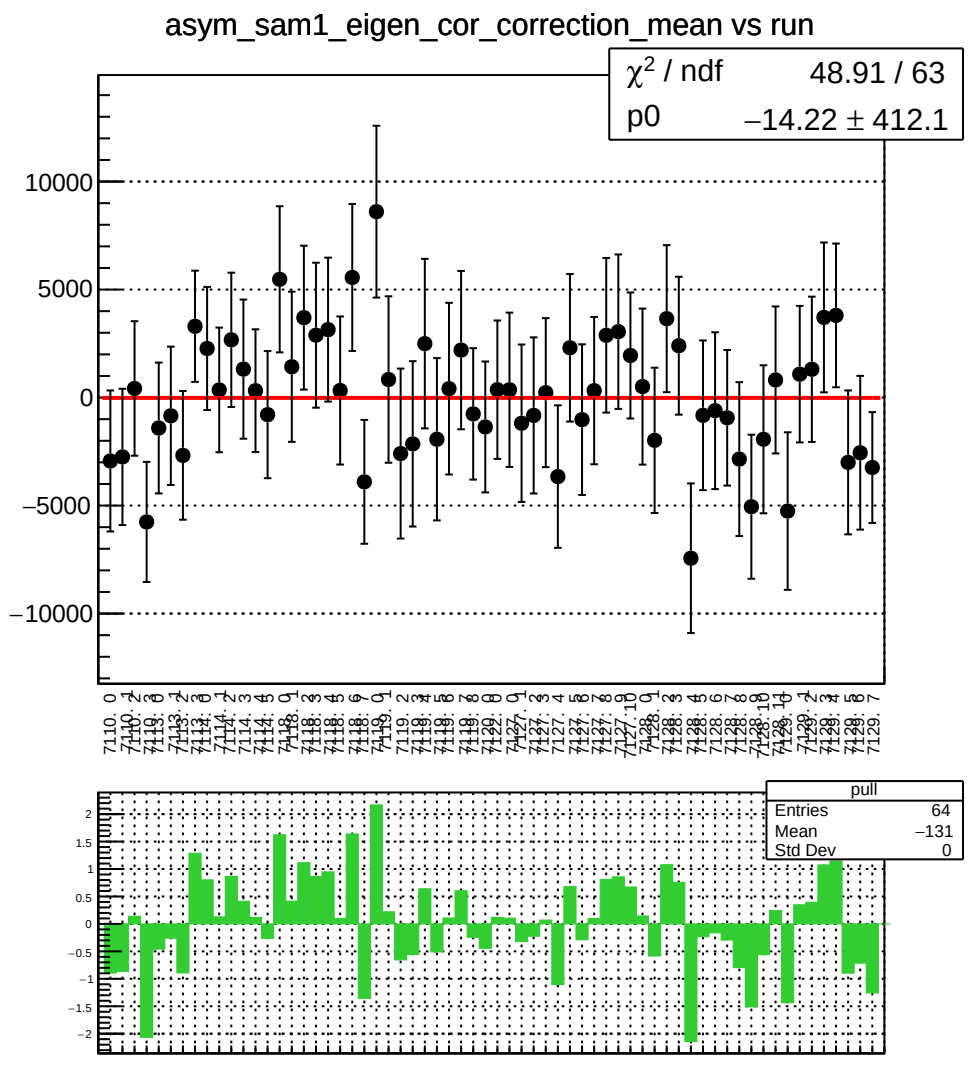

pull1D
Entries 64
Mean 0.01246
Std Dev 0.8741
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

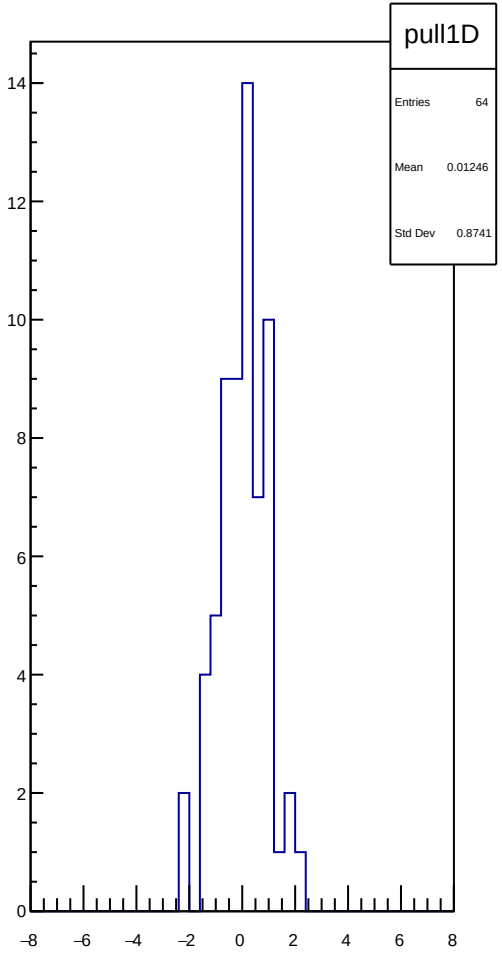

asym_sam1_cor_correction_rms vs run
χ² / ndf 8103 / 63
p0 321.6 ± 0.2914
380
360
340
320
300
280
260

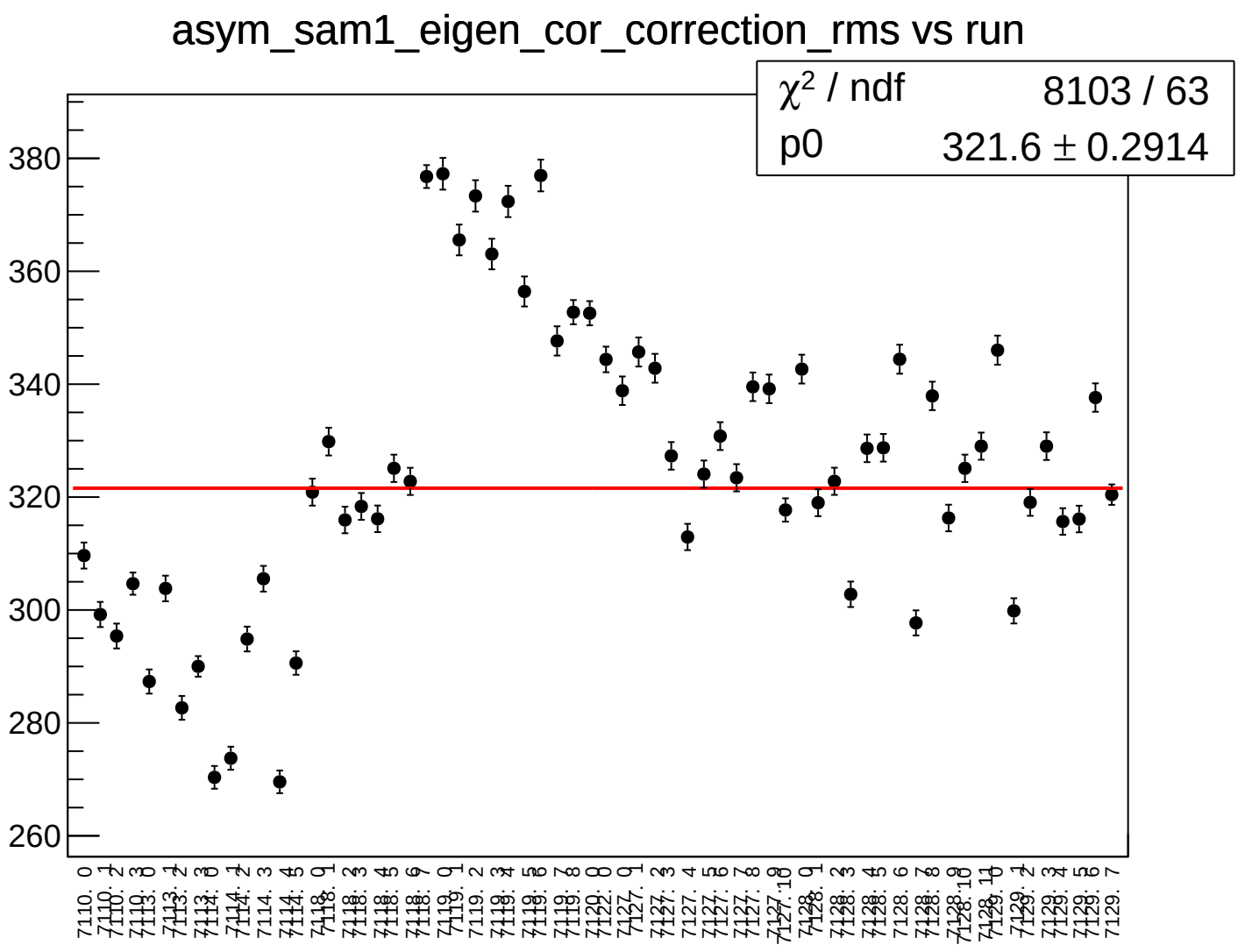

eigen_cor_asym_sam1_mean vs run
χ² / ndf 53.44 / 63
p0 −174 ± 102.6
pull
Entries 64
Mean 367
Std Dev 0

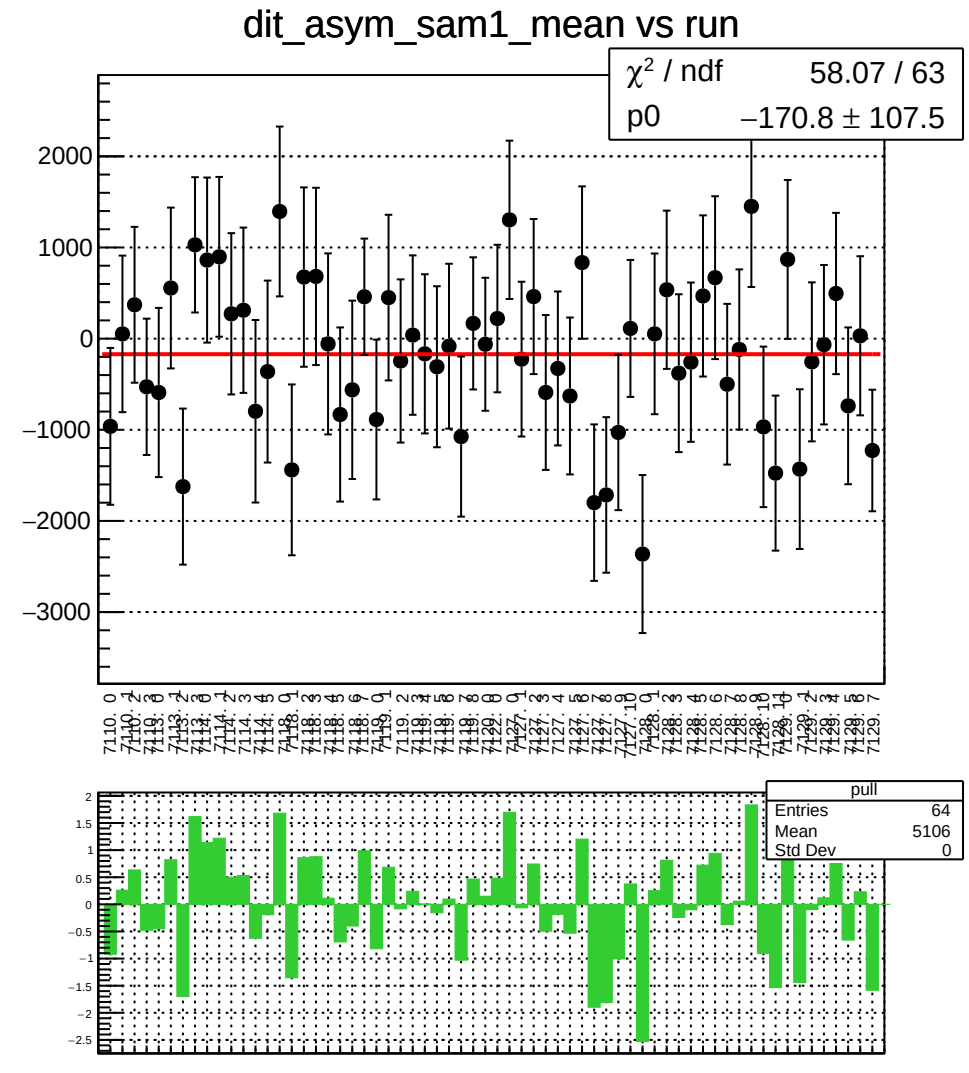

pull1D
Entries 64
Mean −0.008005
Std Dev 0.9137

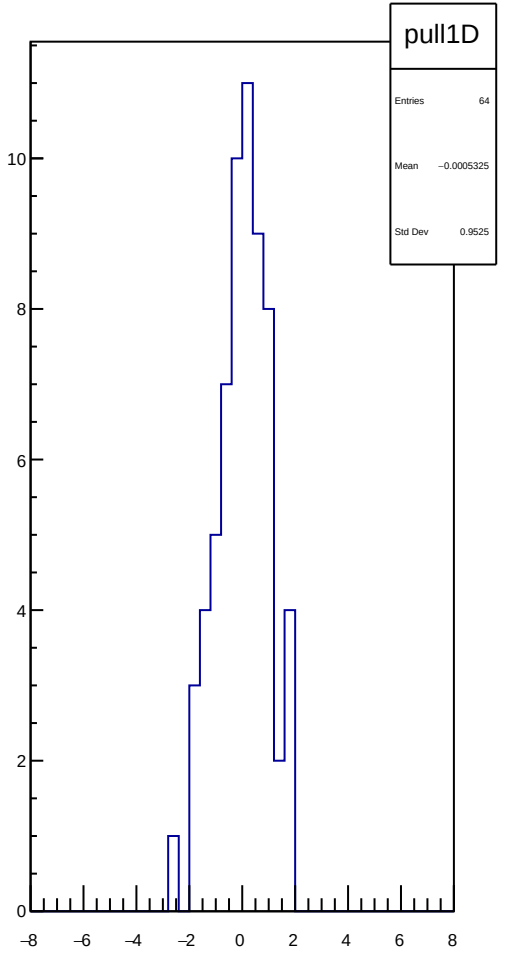

eigen_cor_asym_sam1_rms vs run
χ² / ndf 2218 / 63
p0 80.25 ± 0.07254
86
84
82
80
78
76
74
72

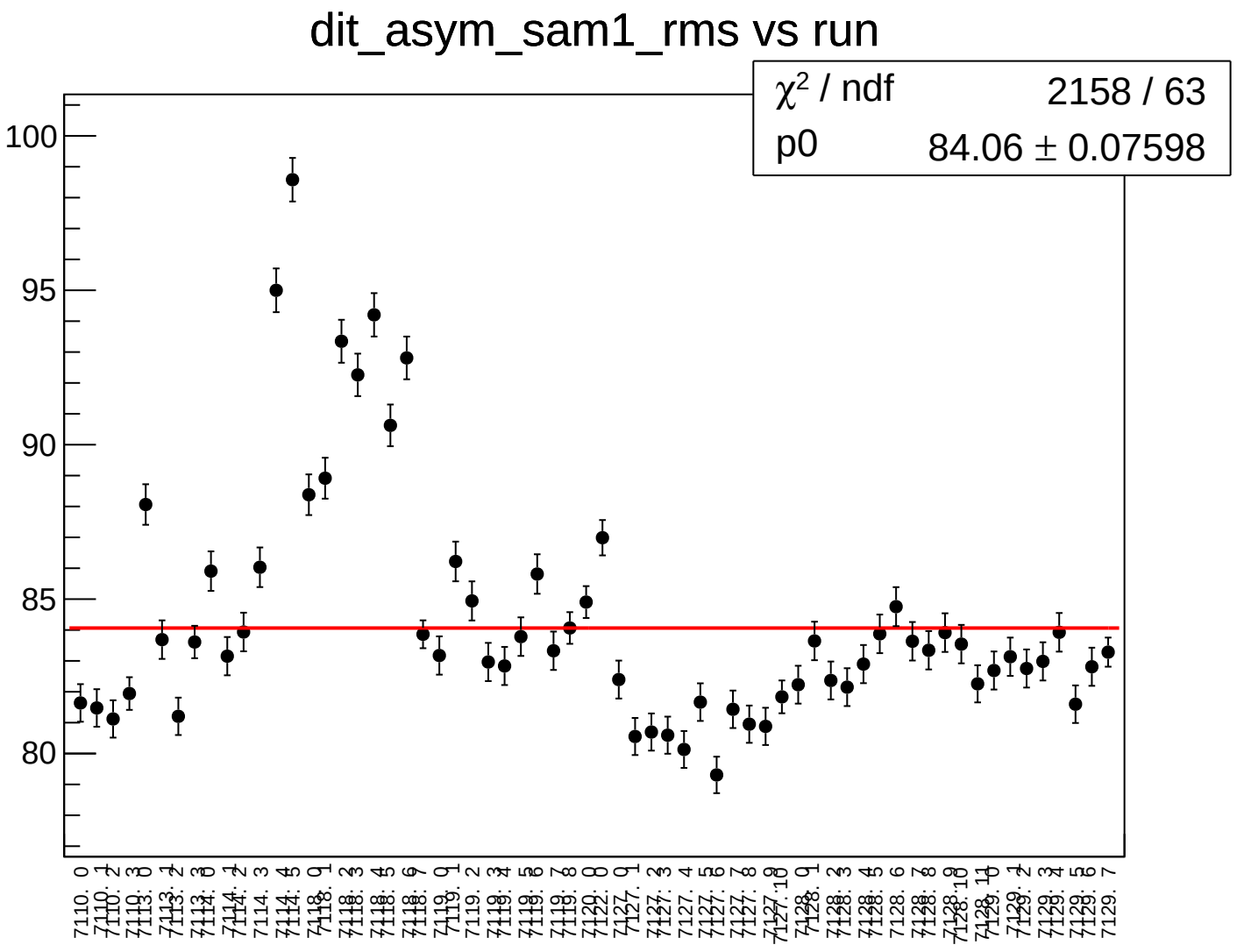

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 48.91 / 63
p0 −14.22 ± 412.1
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −131
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

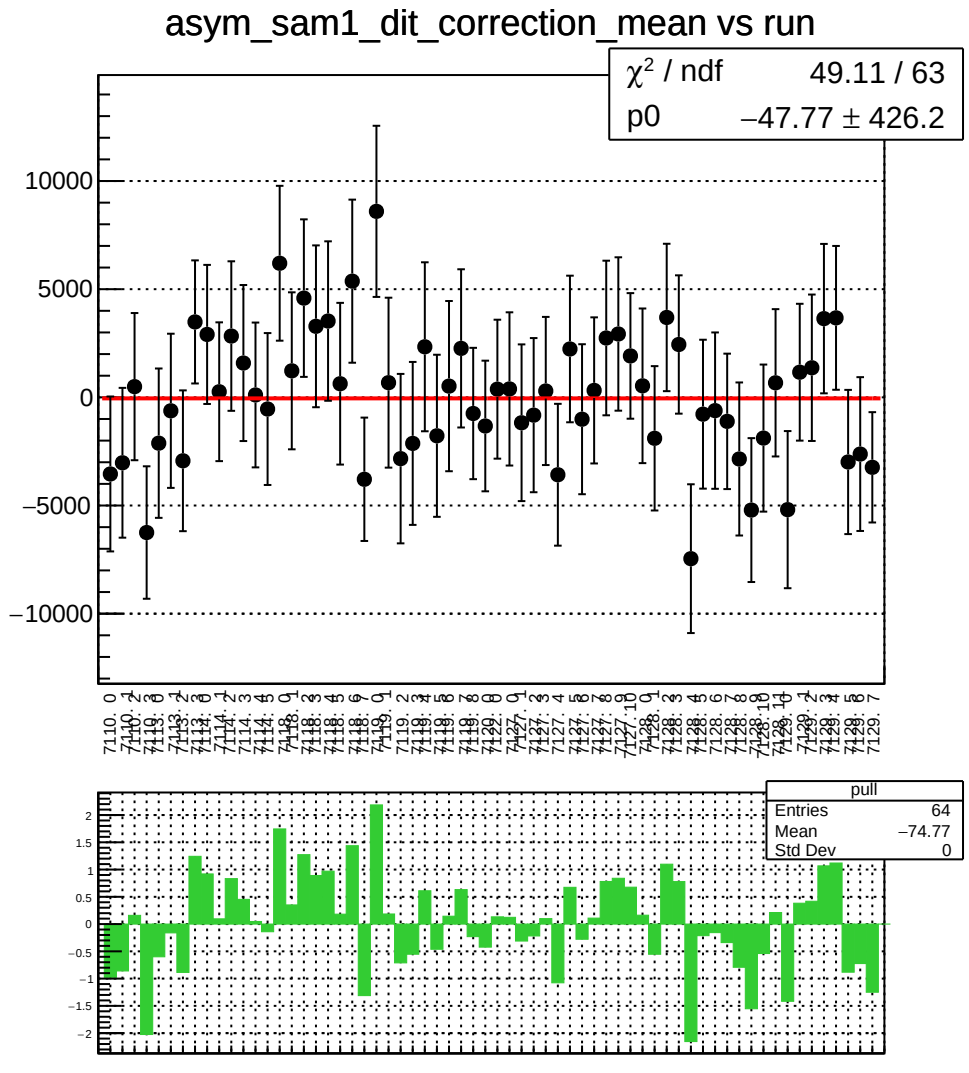

pull1D
Entries 64
Mean 0.01246
Std Dev 0.8741
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

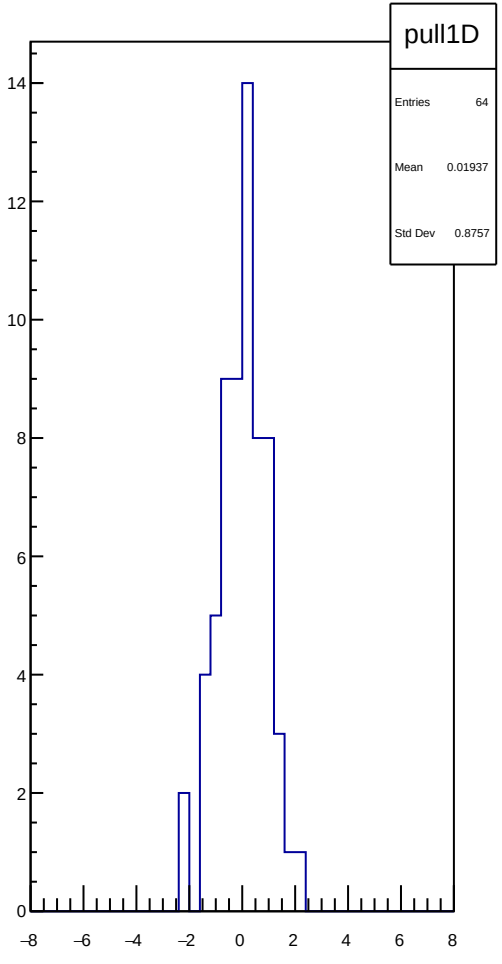

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 8103 / 63
p0 321.6 ± 0.2914
380
360
340
320
300
280
260

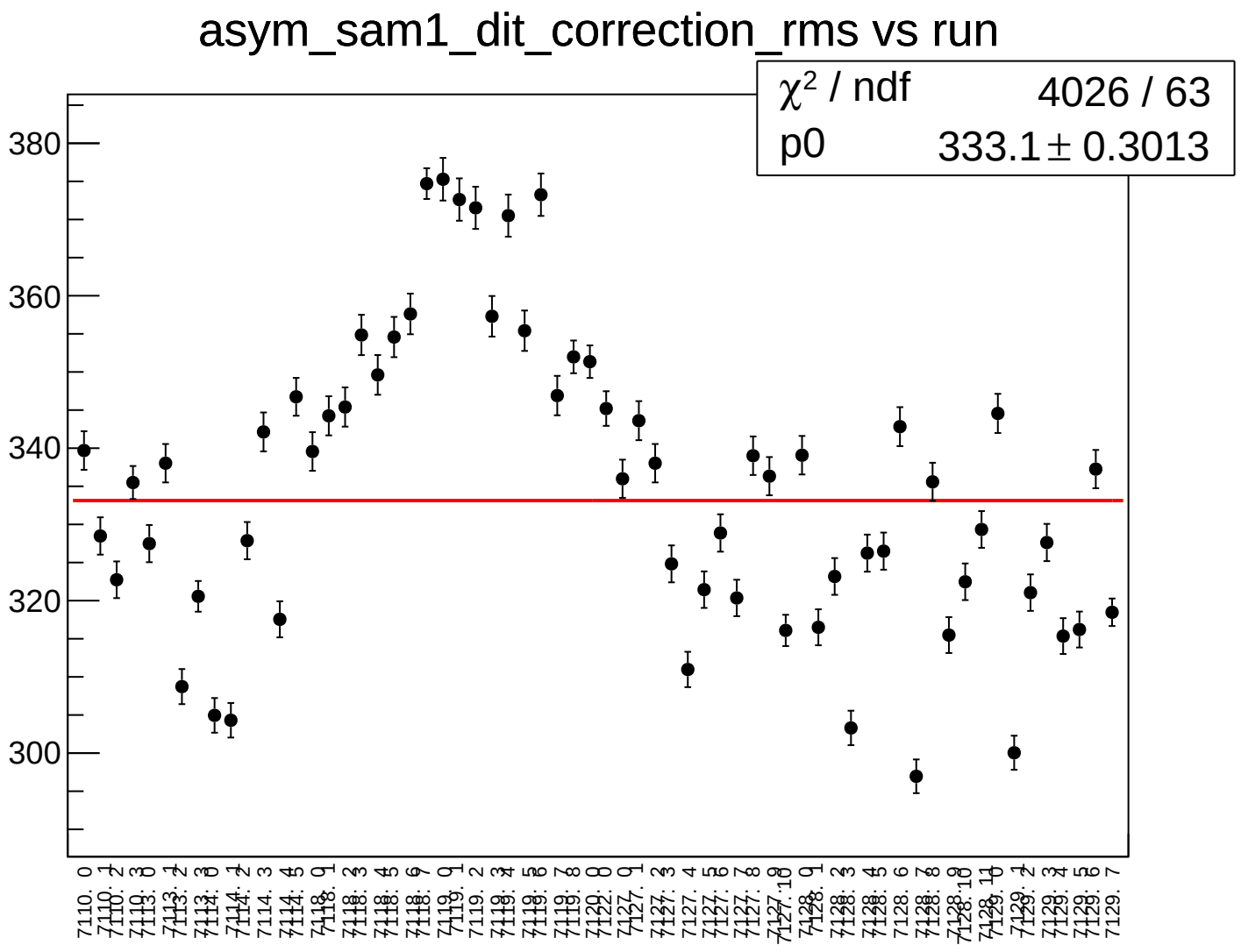

dit_asym_sam1_mean vs run
χ² / ndf 58.07 / 63
p0 −170.8 ± 107.5
pull
Entries 64
Mean 5106
Std Dev 0

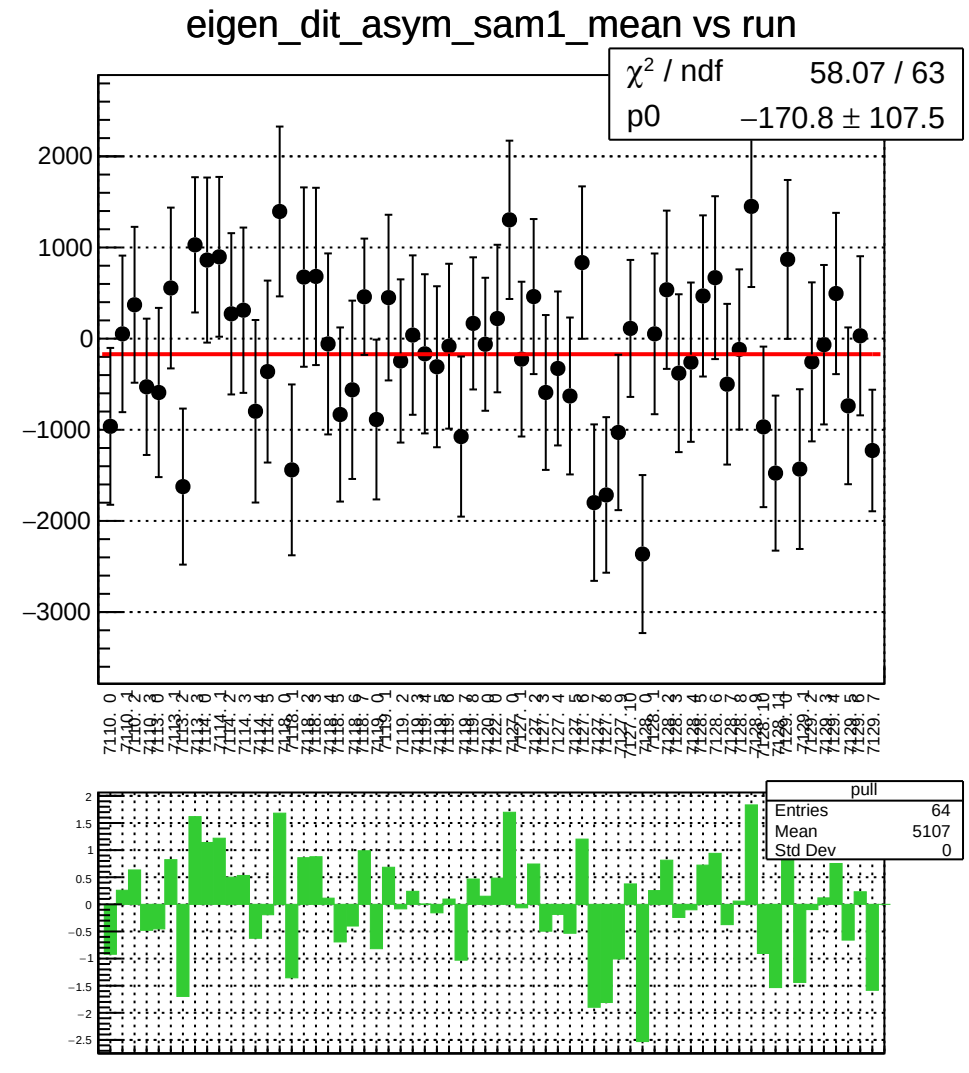

pull1D
Entries 64
Mean −0.0005325
Std Dev 0.9525

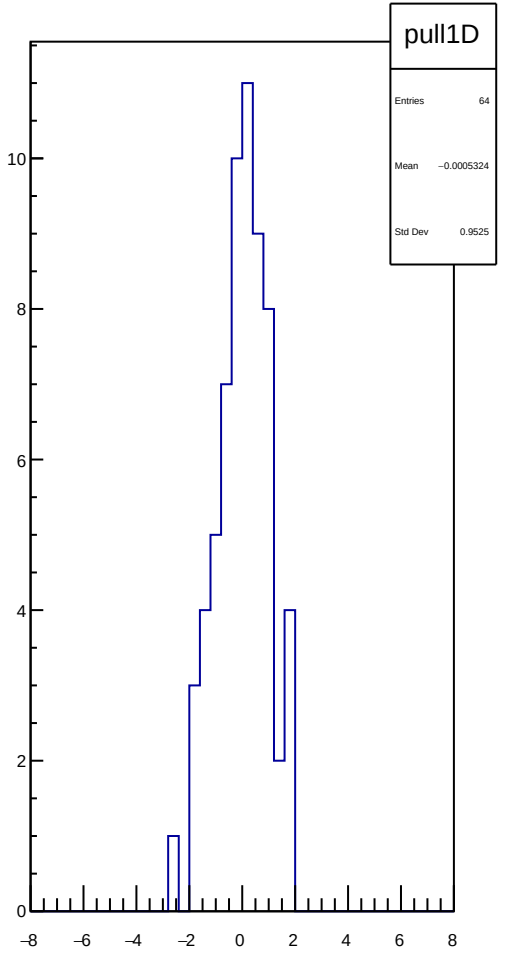

dit_asym_sam1_rms vs run
χ^2 / ndf 2158 / 63
p0 84.06 ± 0.07598
100
95
90
85
80

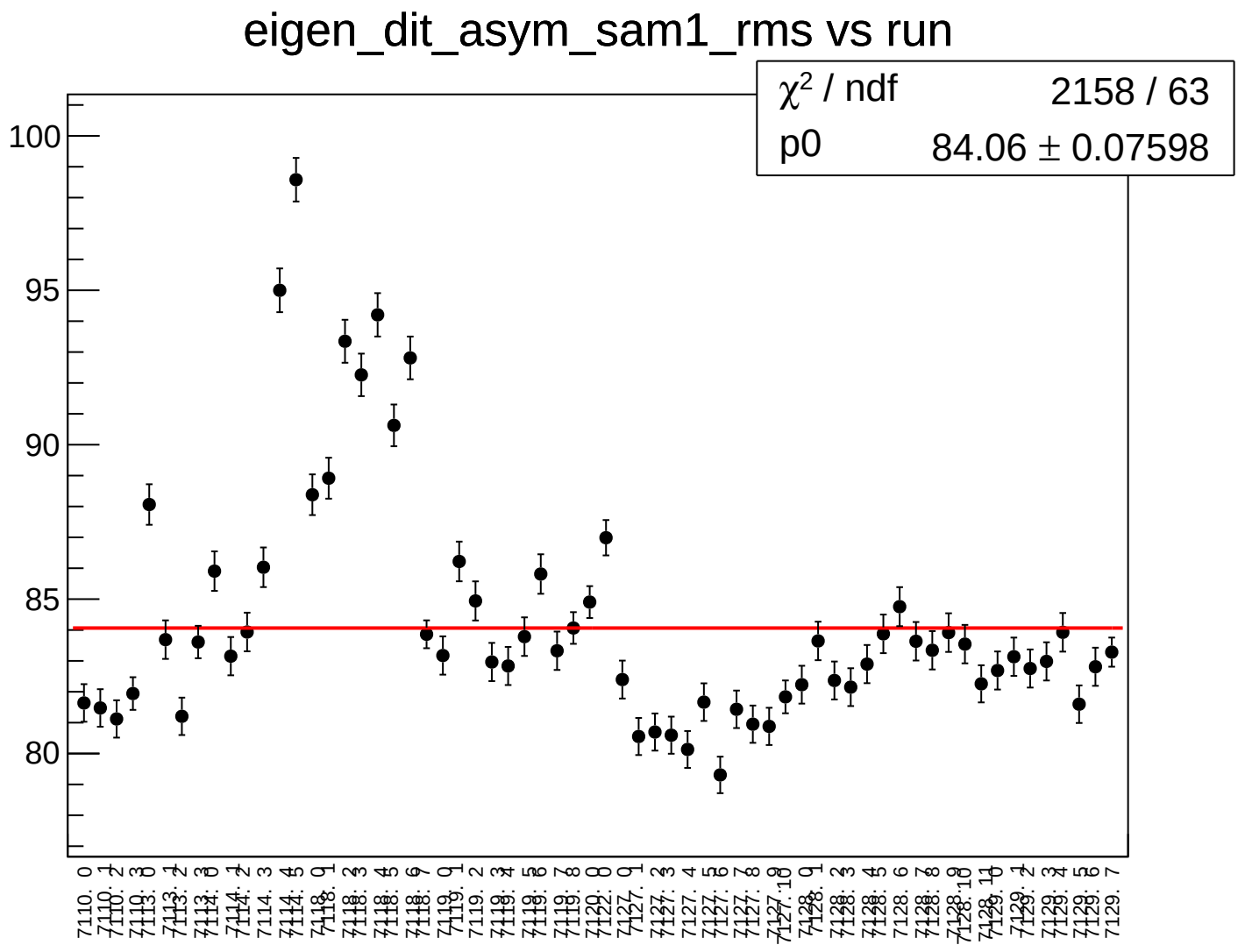

asym_sam1_dit_correction_mean vs run
χ² / ndf 49.11 / 63
p0 −47.77 ± 426.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −74.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

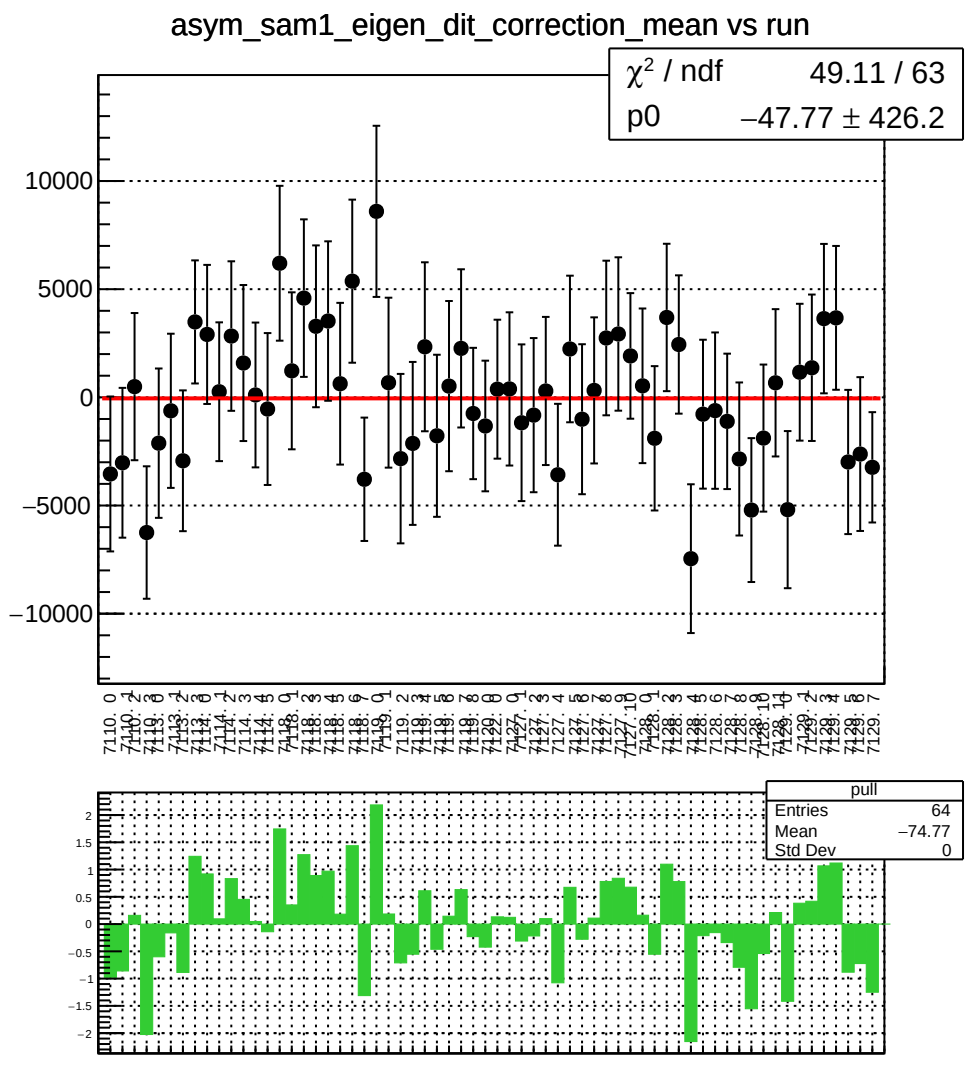

pull1D
Entries 64
Mean 0.01937
Std Dev 0.8757
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

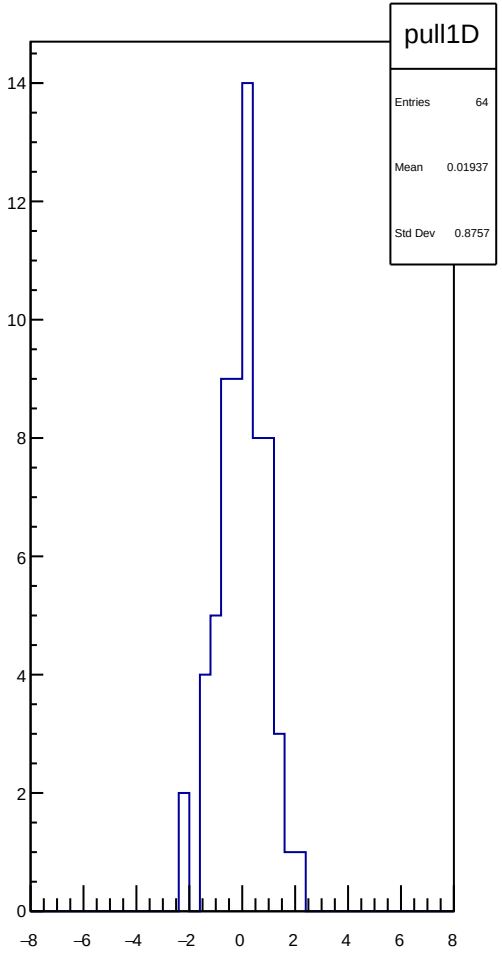

asym_sam1_dit_correction_rms vs run
χ² / ndf 4026 / 63
p0 333.1 ± 0.3013
380
360
340
320
300

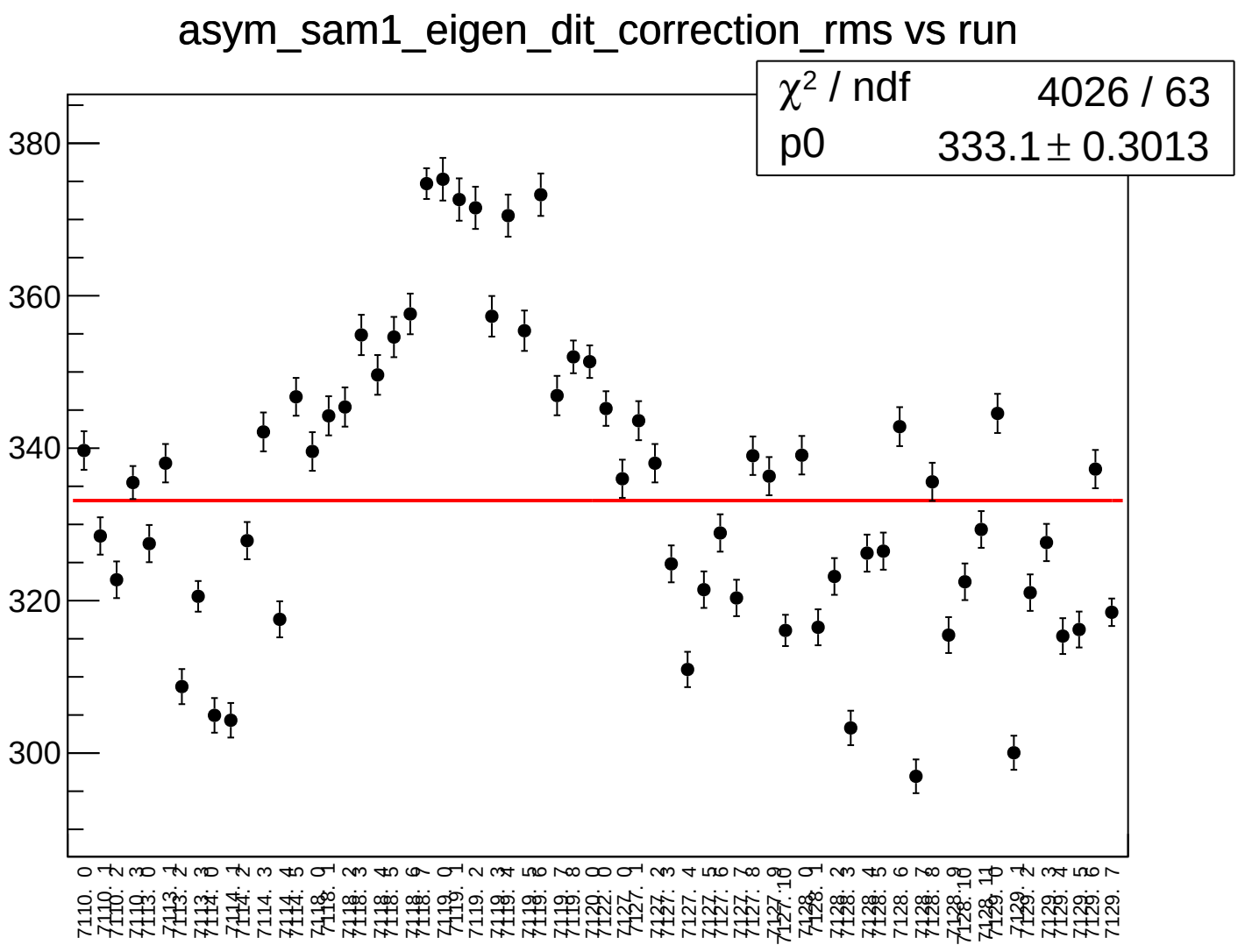

eigen_dit_asym_sam1_mean vs run
χ² / ndf 58.07 / 63
p0 −170.8 ± 107.5
pull
Entries 64
Mean 5107
Std Dev 0

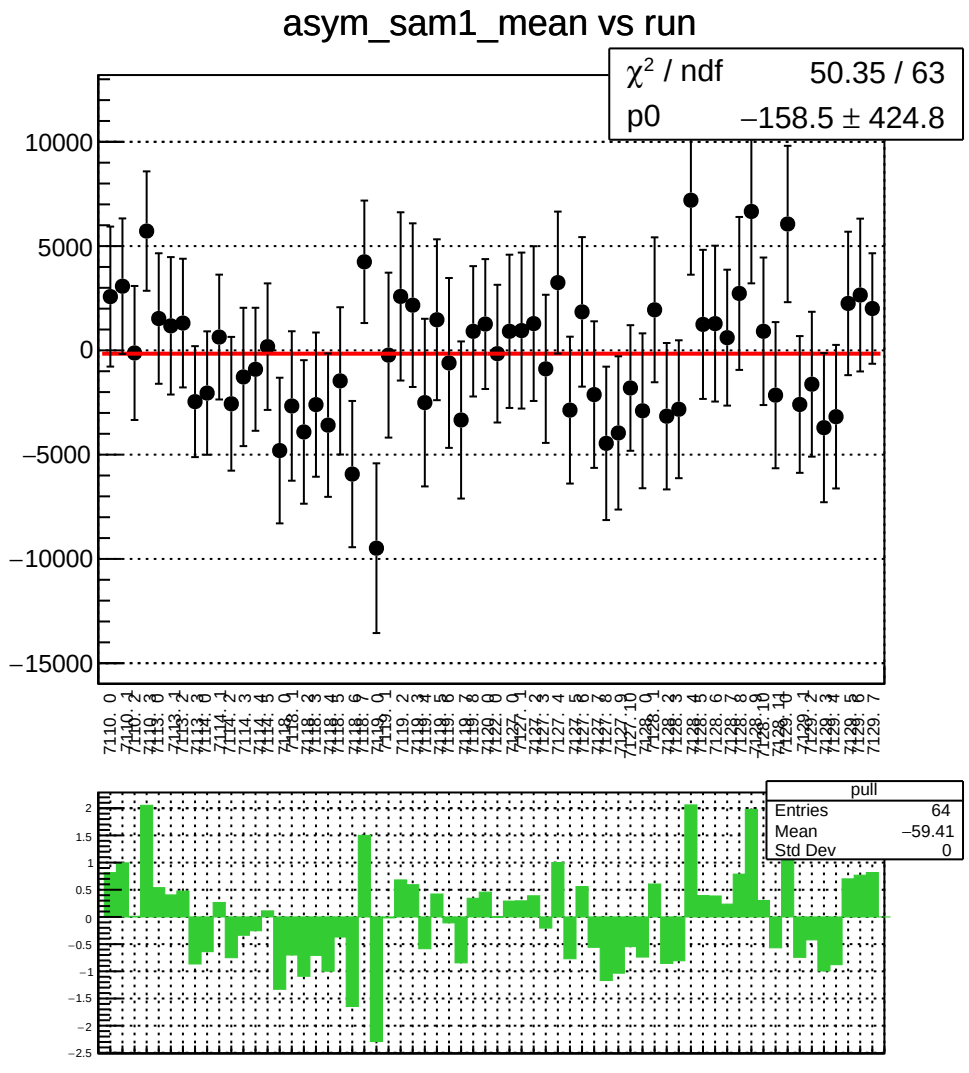

pull1D
Entries 64
Mean −0.0005324
Std Dev 0.9525

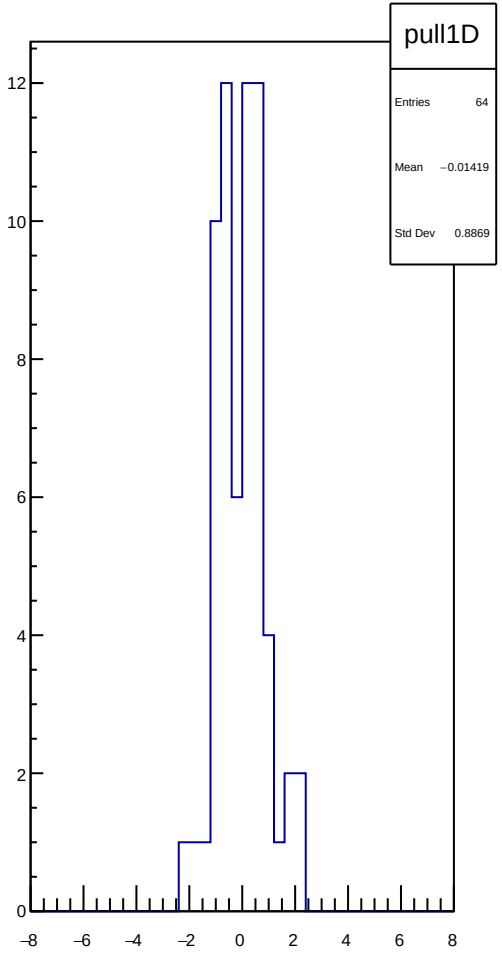

eigen_dit_asym_sam1_rms vs run
χ^2 / ndf 2158 / 63
p0 84.06 ± 0.07598
100
95
90
85
80

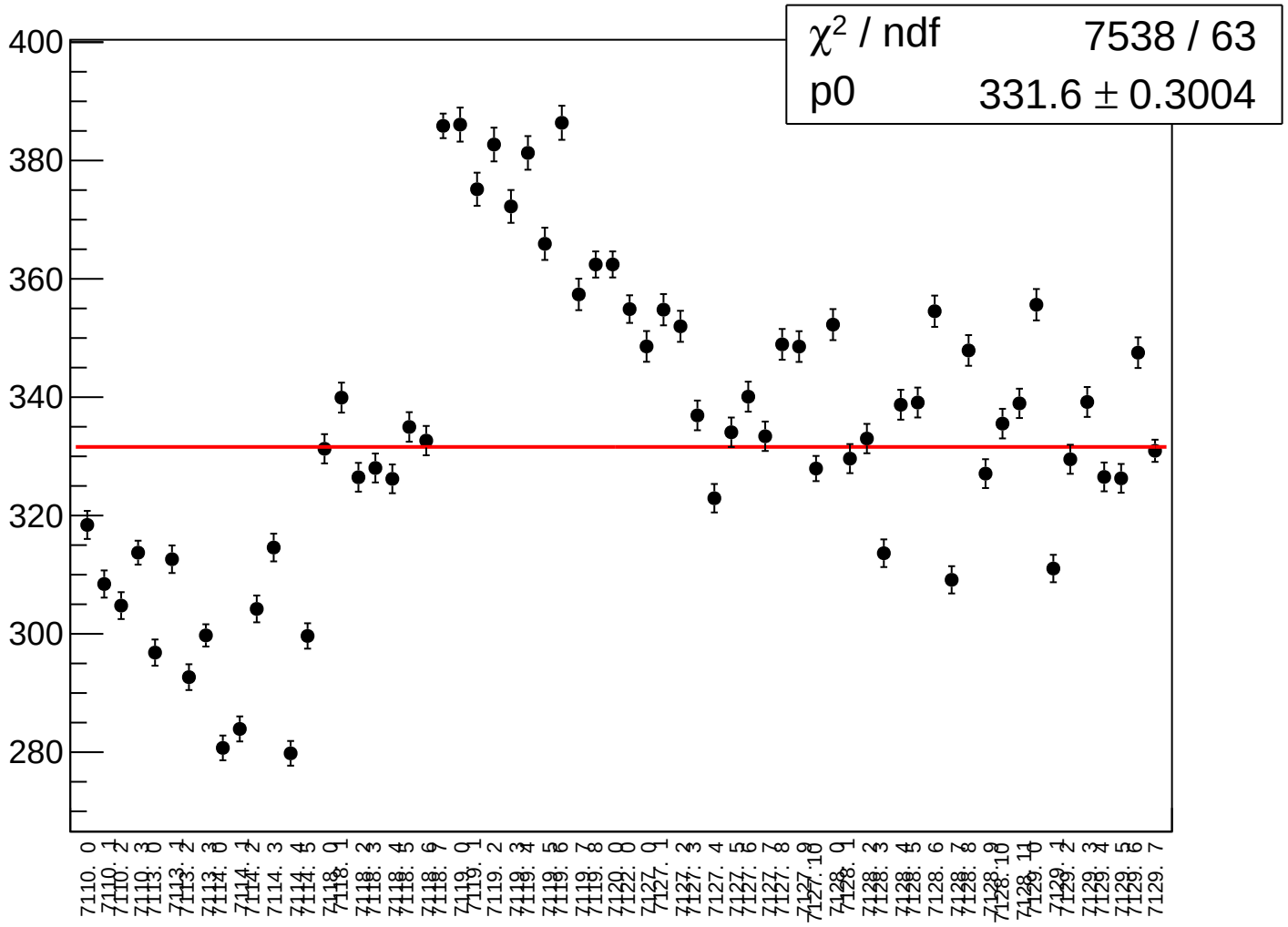

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 49.11 / 63
p0 −47.77 ± 426.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −74.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

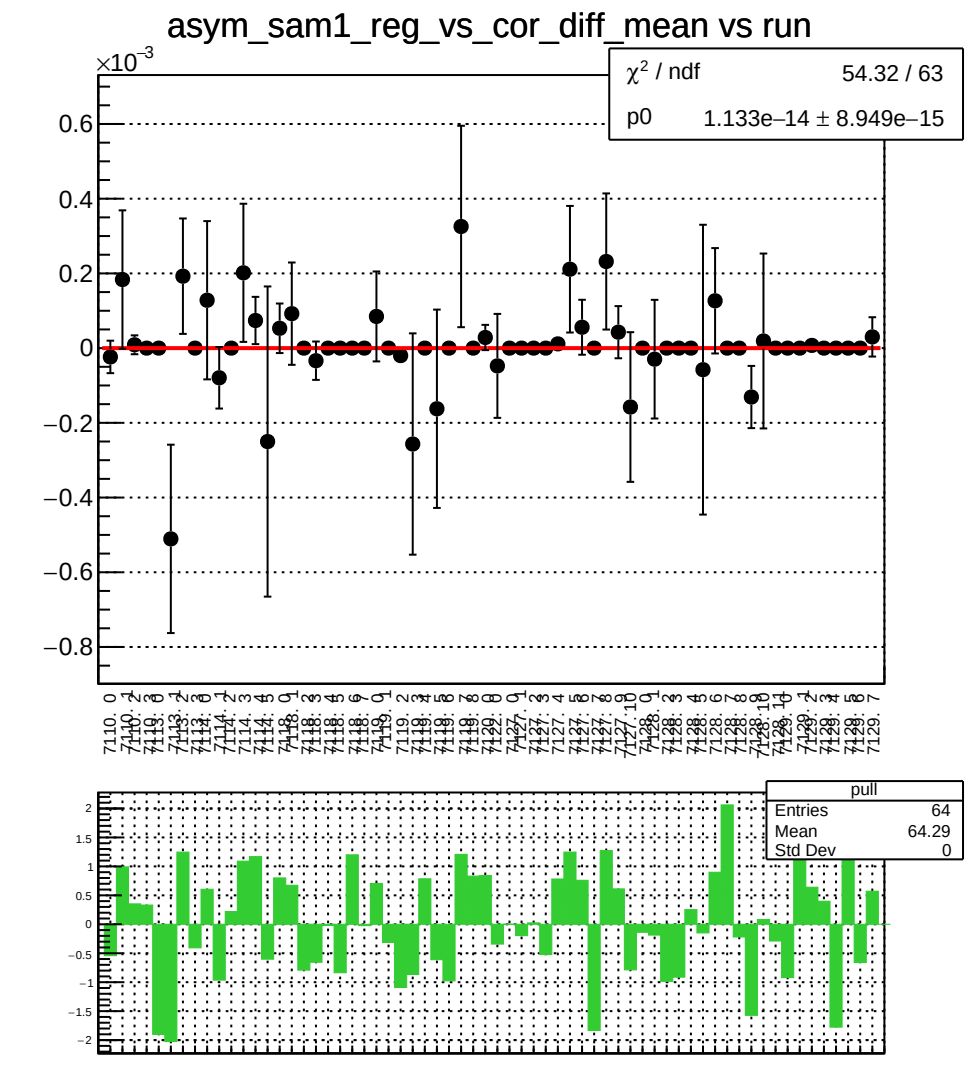

pull1D
Entries 64
Mean 0.01937
Std Dev 0.8757
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

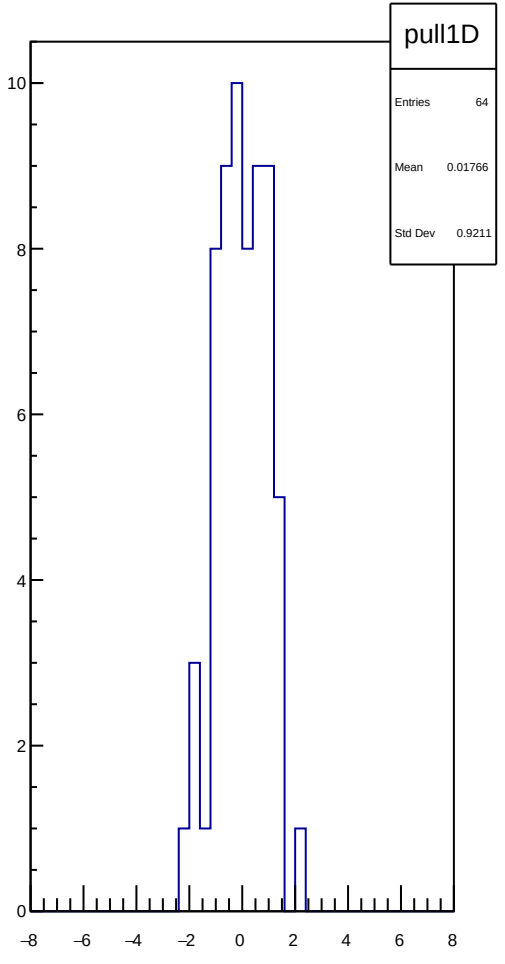

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 4026 / 63
p0 333.1 ± 0.3013
380
360
340
320
300

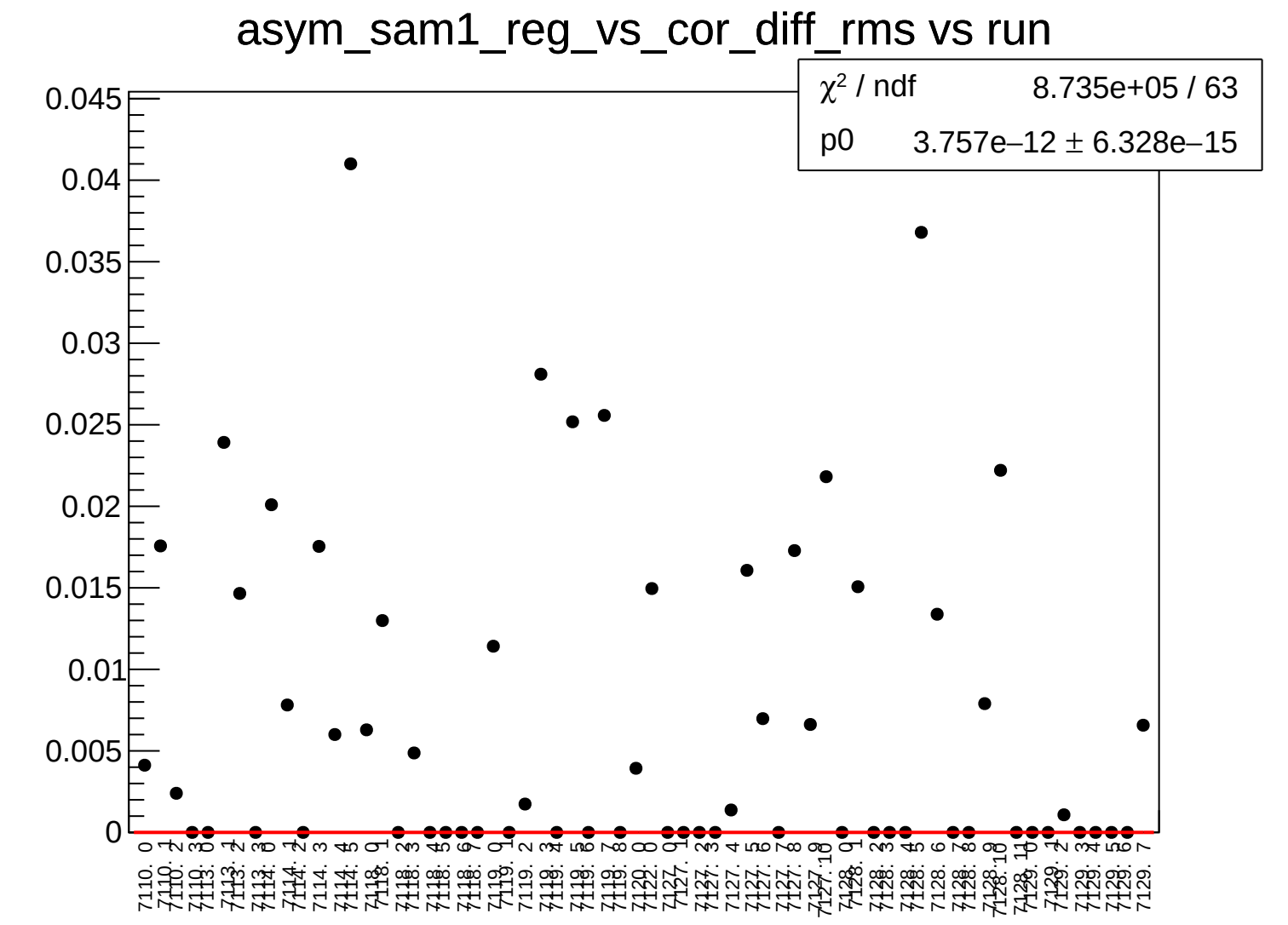

asym_sam1_mean vs run
χ² / ndf 50.35 / 63
p0 −158.5 ± 424.8
pull
Entries 64
Mean −59.41
Std Dev 0

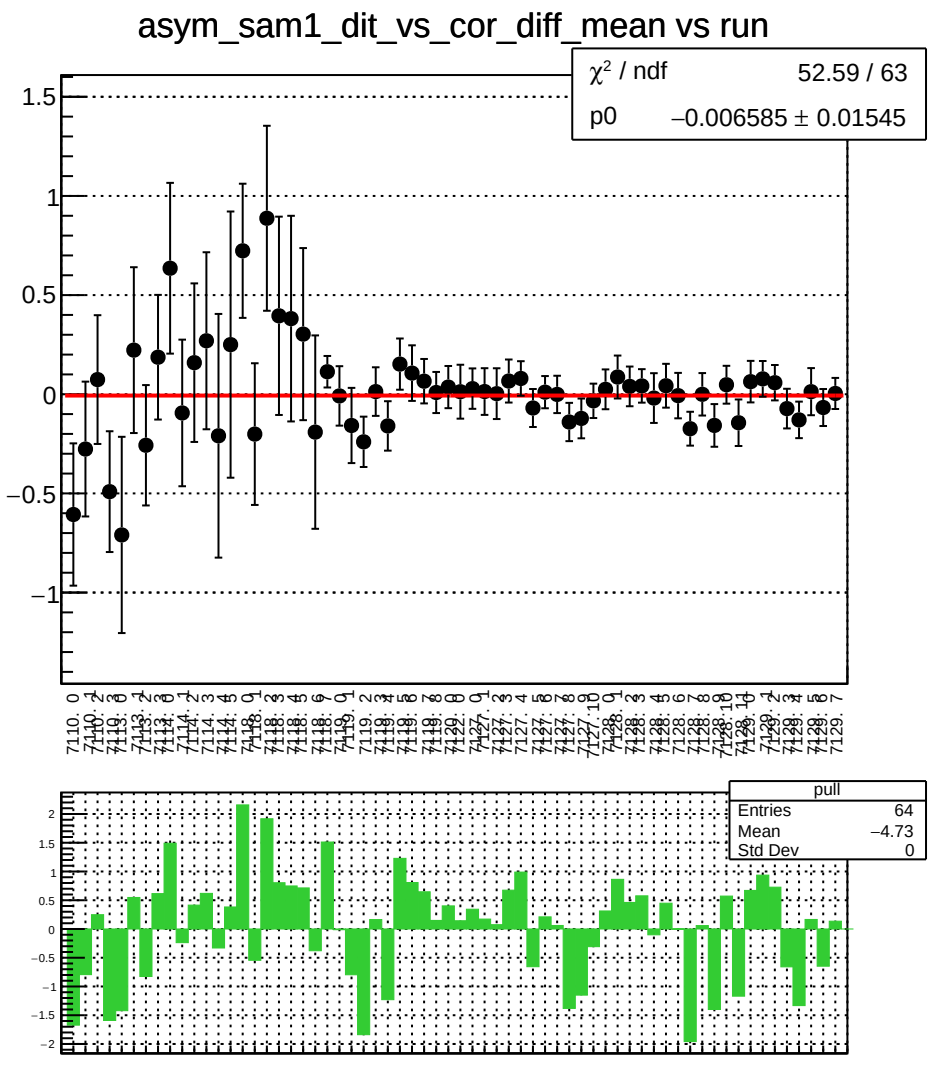

pull1D
Entries 64
Mean −0.01419
Std Dev 0.8869

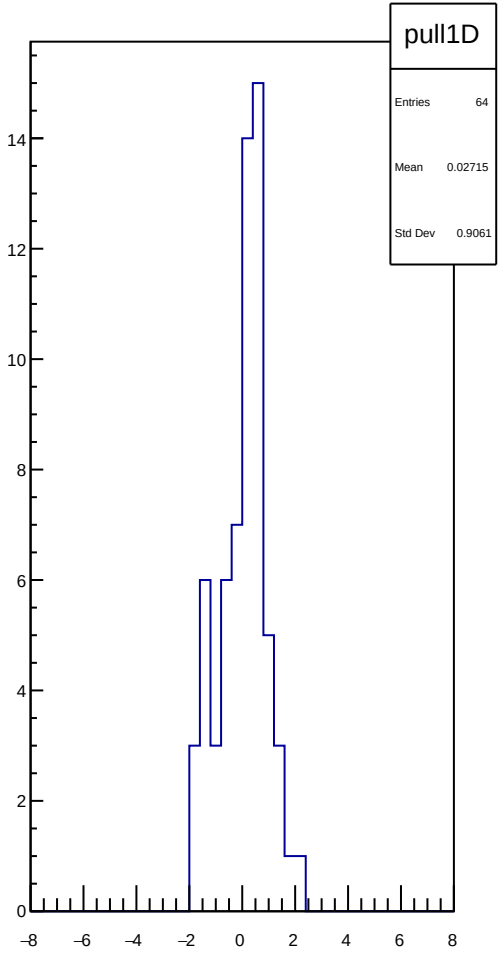

asym_sam1_rms vs run
χ² / ndf 7538 / 63
p0 331.6 ± 0.3004
400
380
360
340
320
300
280

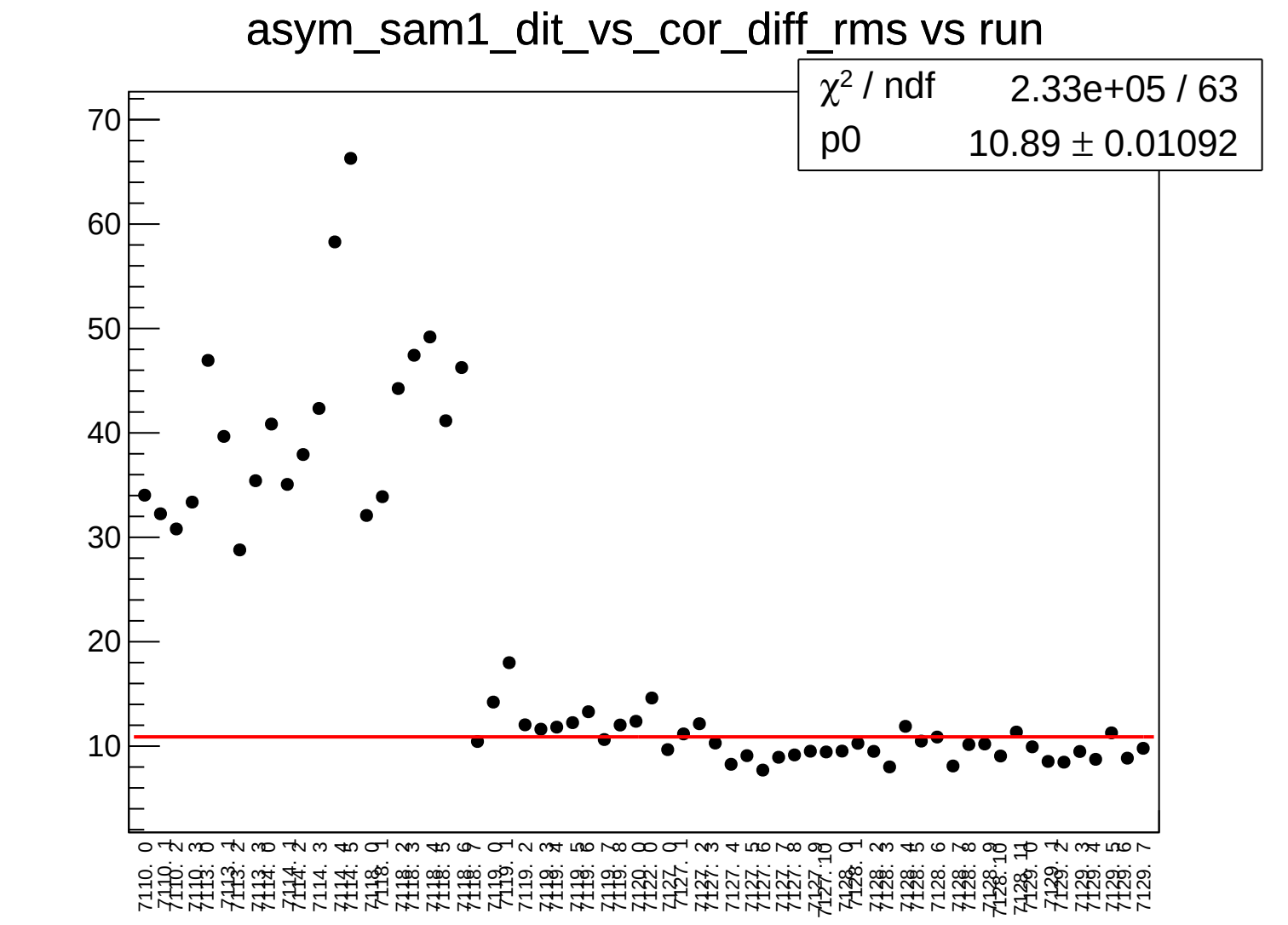

asym_sam1_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 54.32 / 63
p0 1.133e−14 ± 8.949e−15
pull
Entries 64
Mean 64.29
Std Dev 0

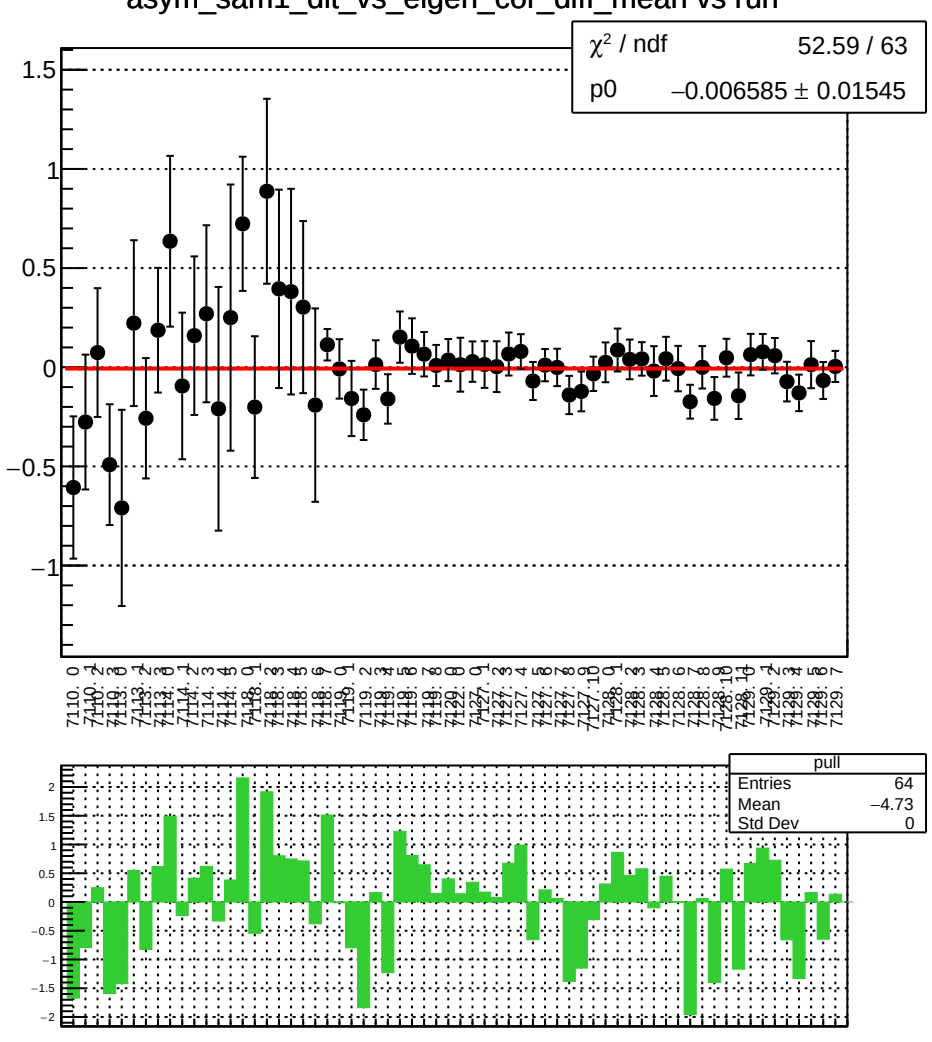

pull1D
Entries 64
Mean 0.01766
Std Dev 0.9211

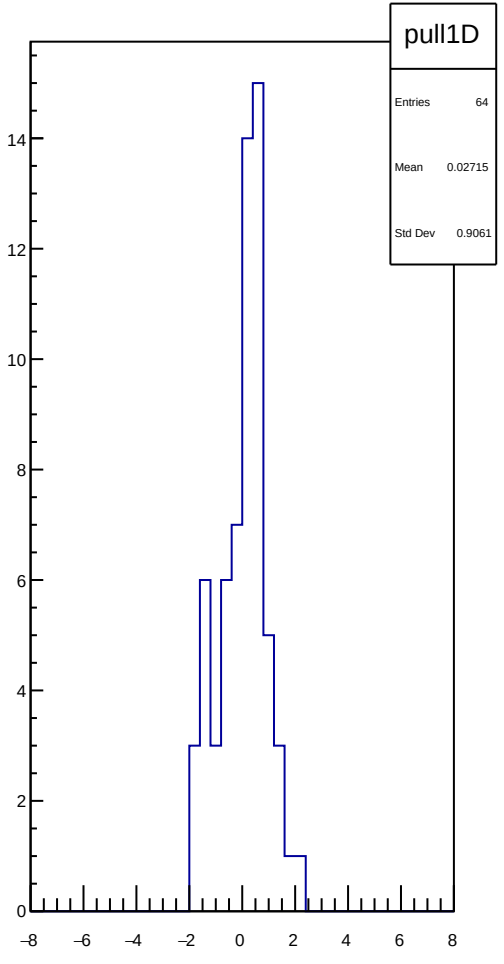

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 8.735e+05 / 63
p0 3.757e−12 ± 6.328e−15
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

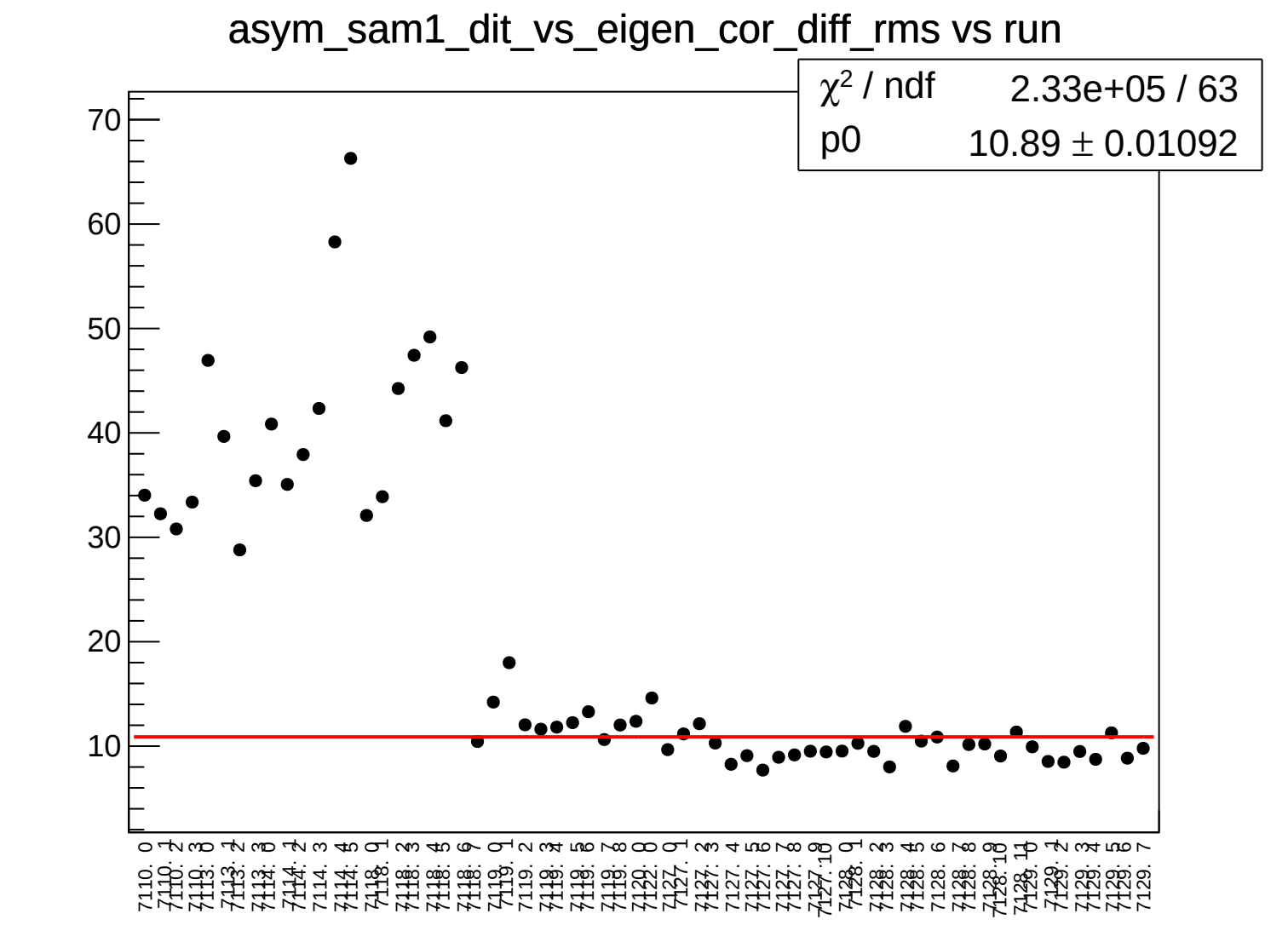

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 52.59 / 63
p0 −0.006585 ± 0.01545
pull
Entries 64
Mean −4.73
Std Dev 0

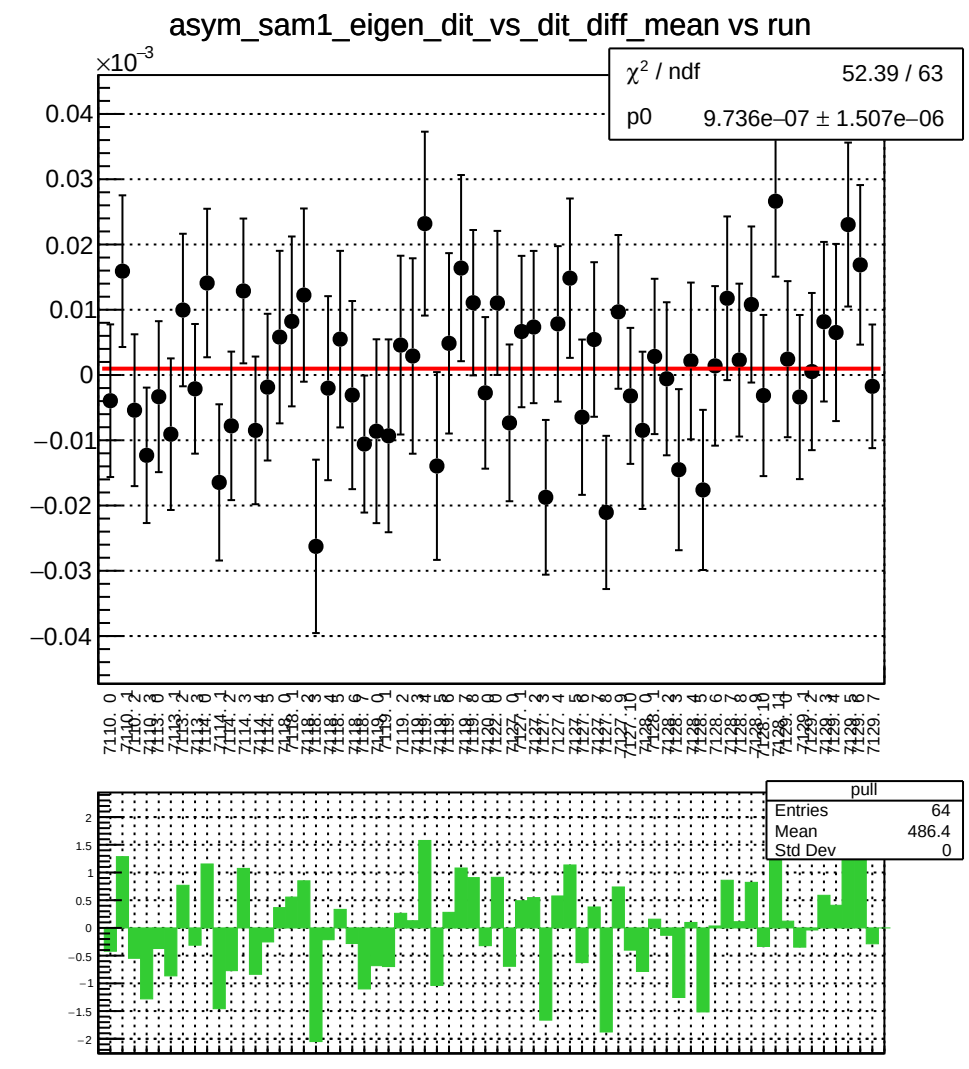

pull1D
Entries 64
Mean 0.02715
Std Dev 0.9061

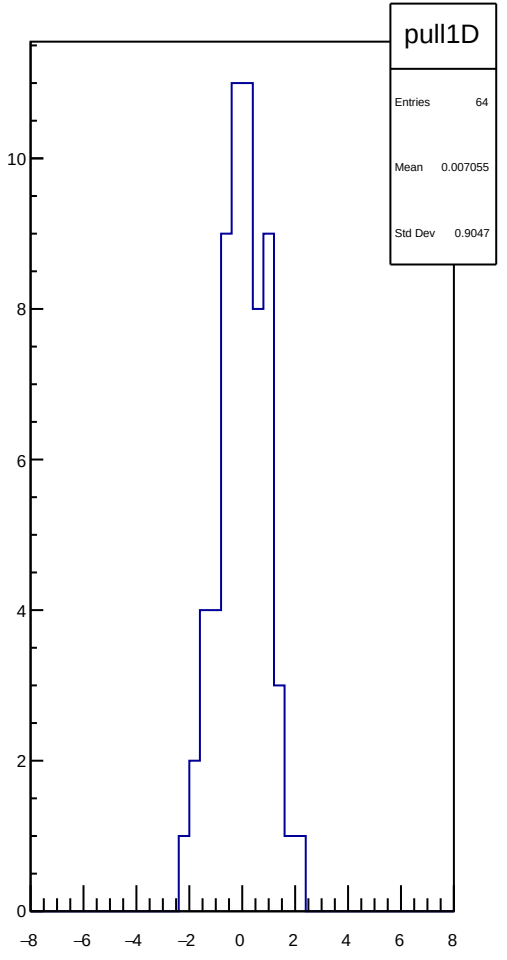

asym_sam1_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.33e+05 / 63
p0 10.89 ± 0.01092
70
60
50
40
30
20
10

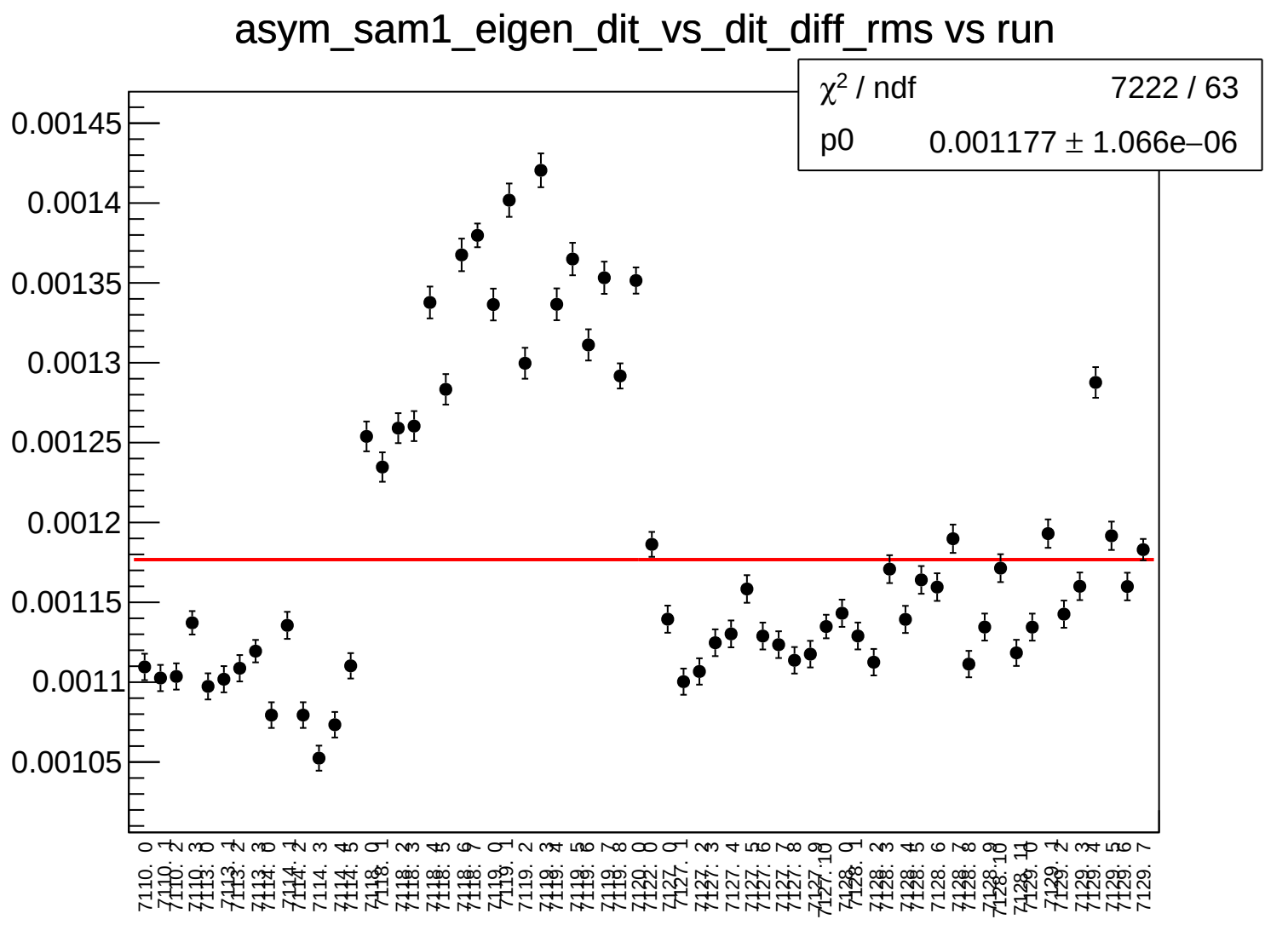

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.59 / 63
p0 −0.006585 ± 0.01545
pull
Entries 64
Mean −4.73
Std Dev 0

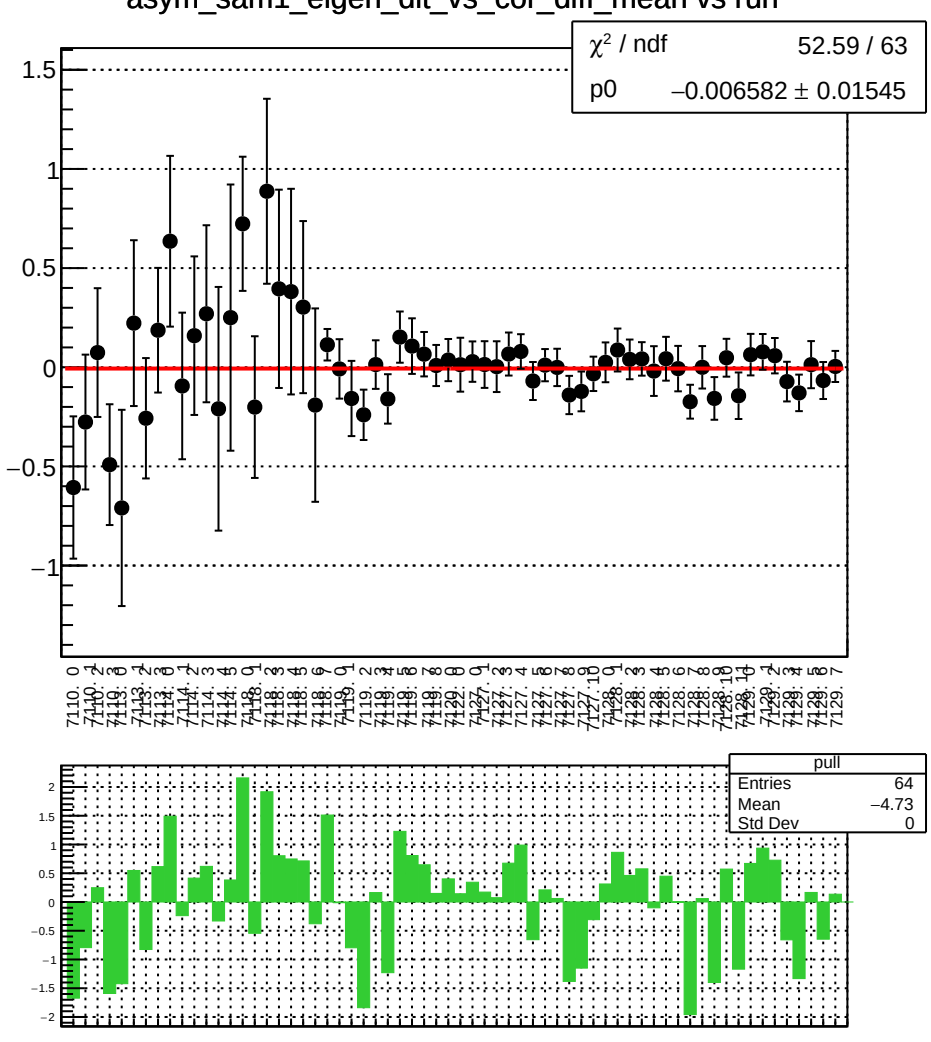

pull1D
Entries 64
Mean 0.02715
Std Dev 0.9061

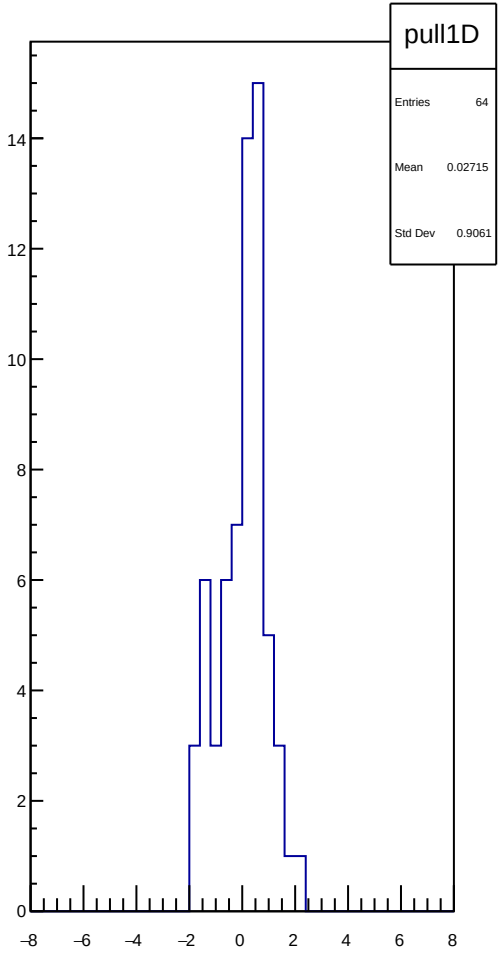

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.33e+05 / 63
p0 10.89 ± 0.01092
70
60
50
40
30
20
10

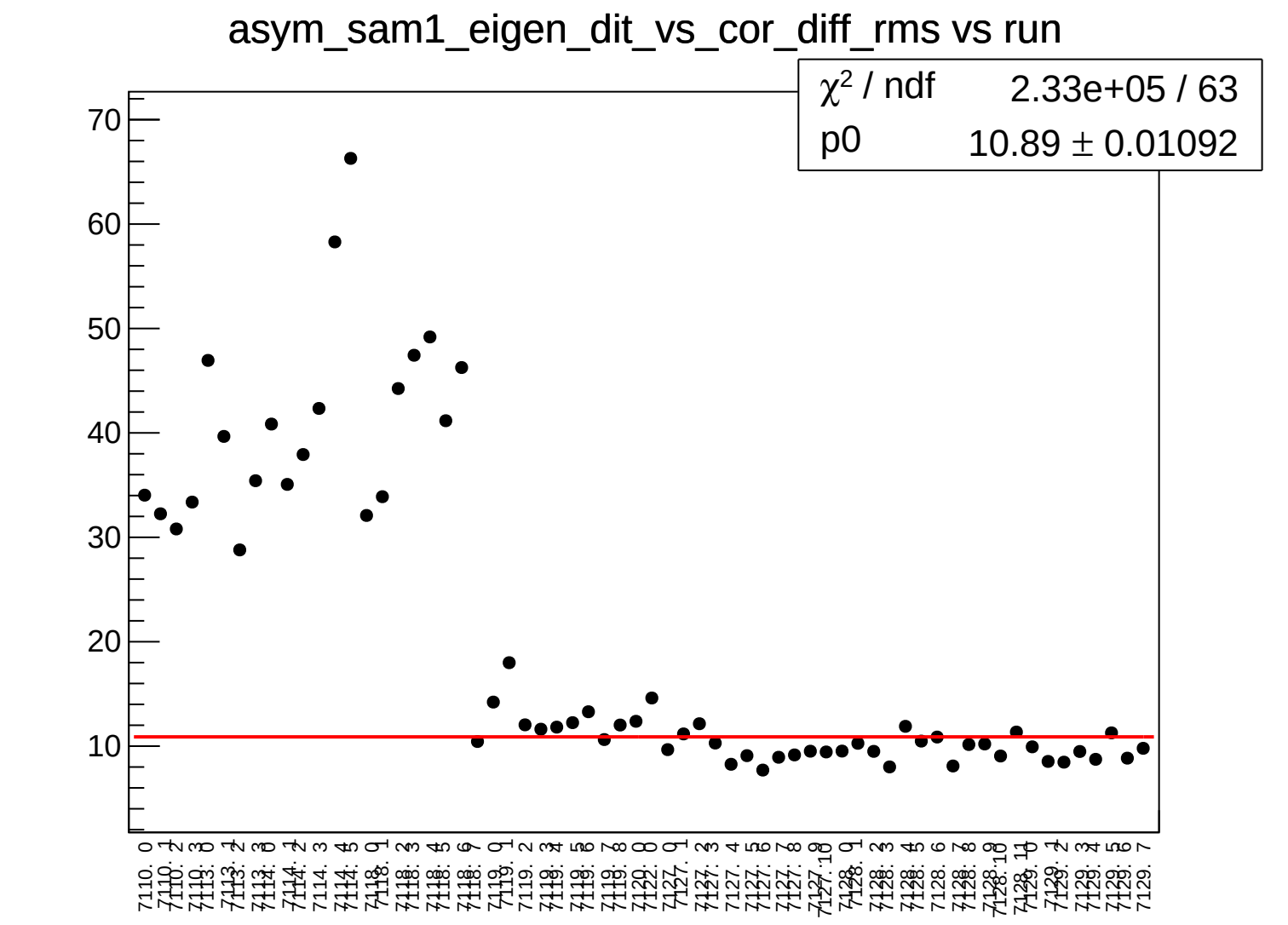

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.39 / 63
p0 9.736e−07 ± 1.507e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 64
Mean 486.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

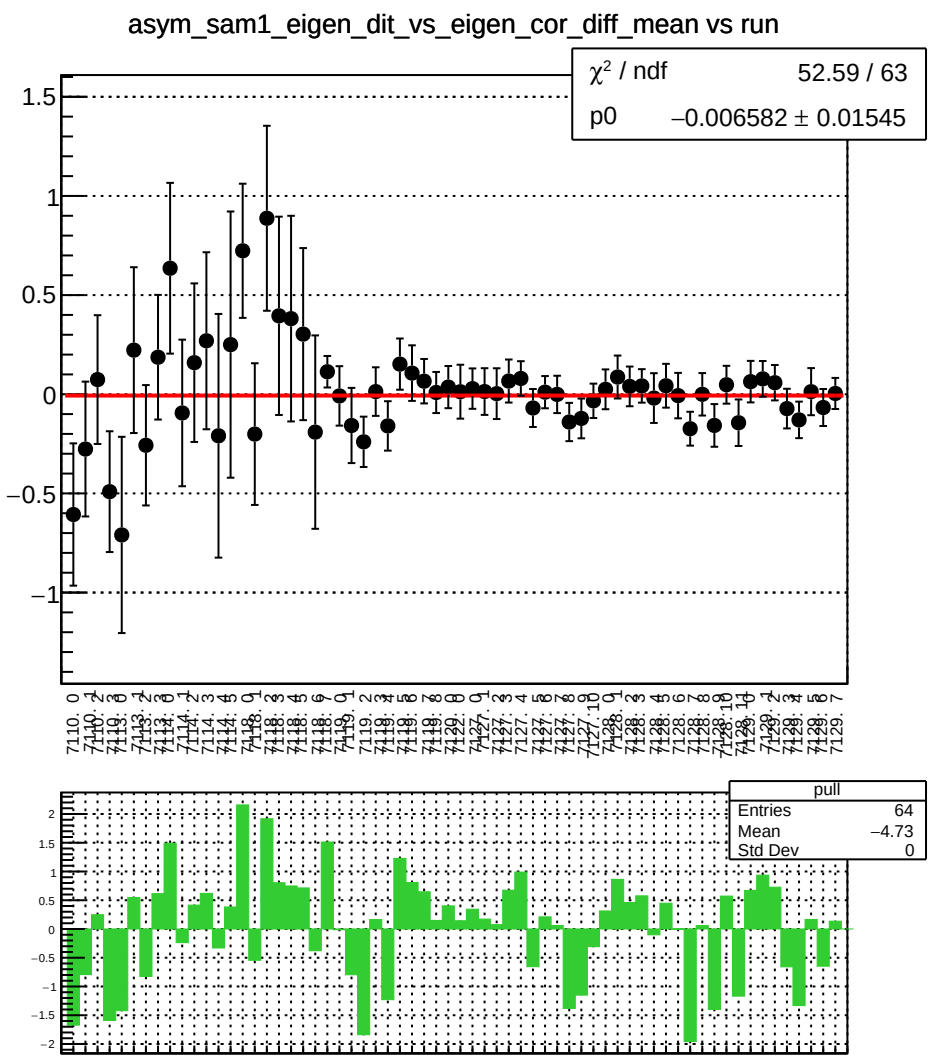

pull1D
Entries 64
Mean 0.007055
Std Dev 0.9047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

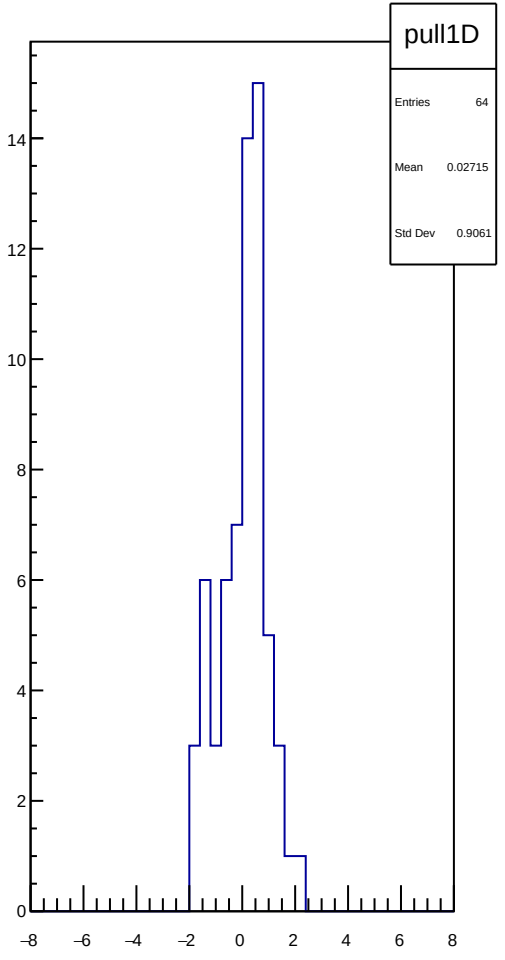

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ^2 / ndf 7222 / 63
p0 0.001177 ± 1.066e−06
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105

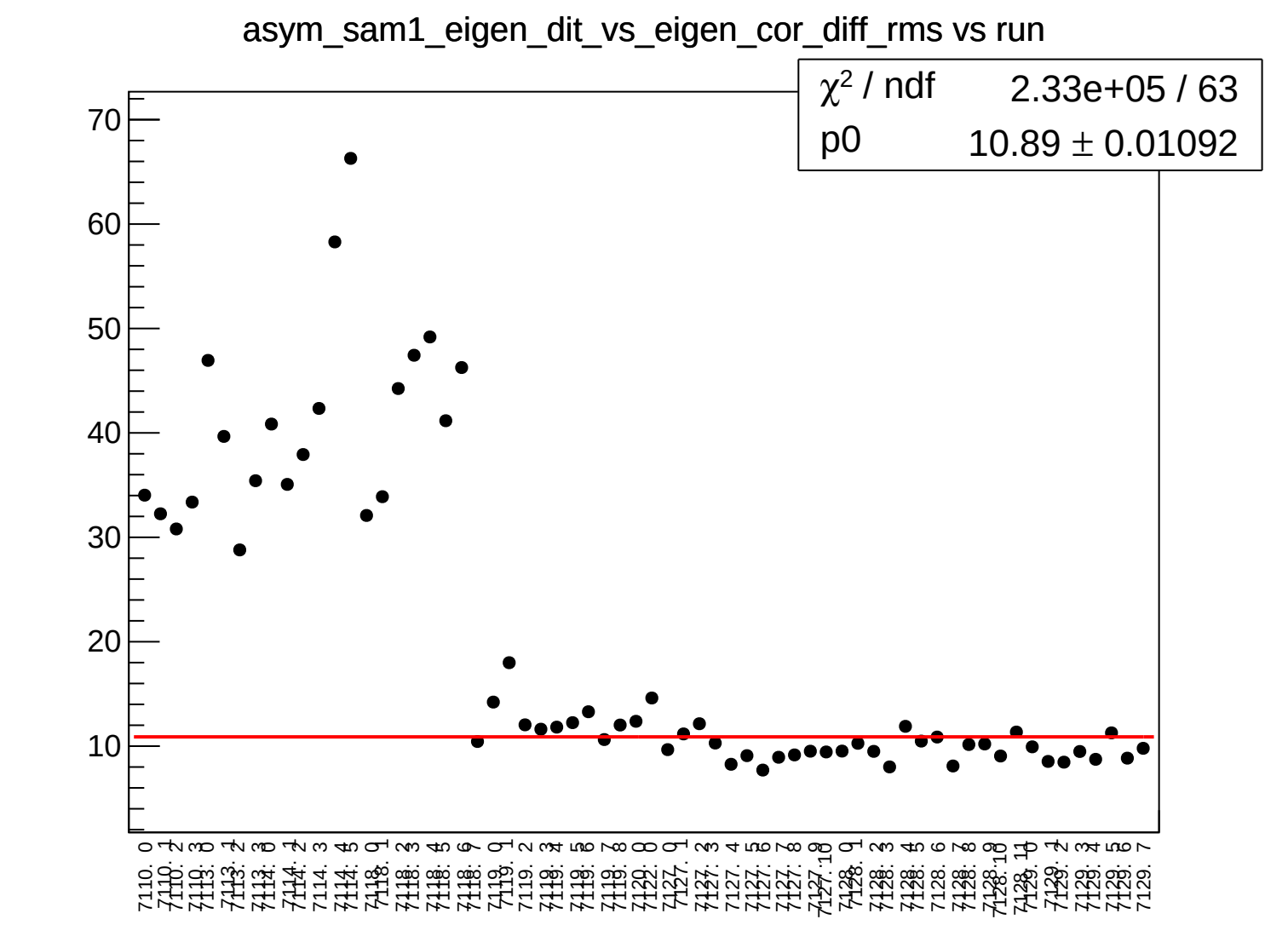

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.59 / 63
p0 −0.006582 ± 0.01545
pull
Entries 64
Mean −4.73
Std Dev 0

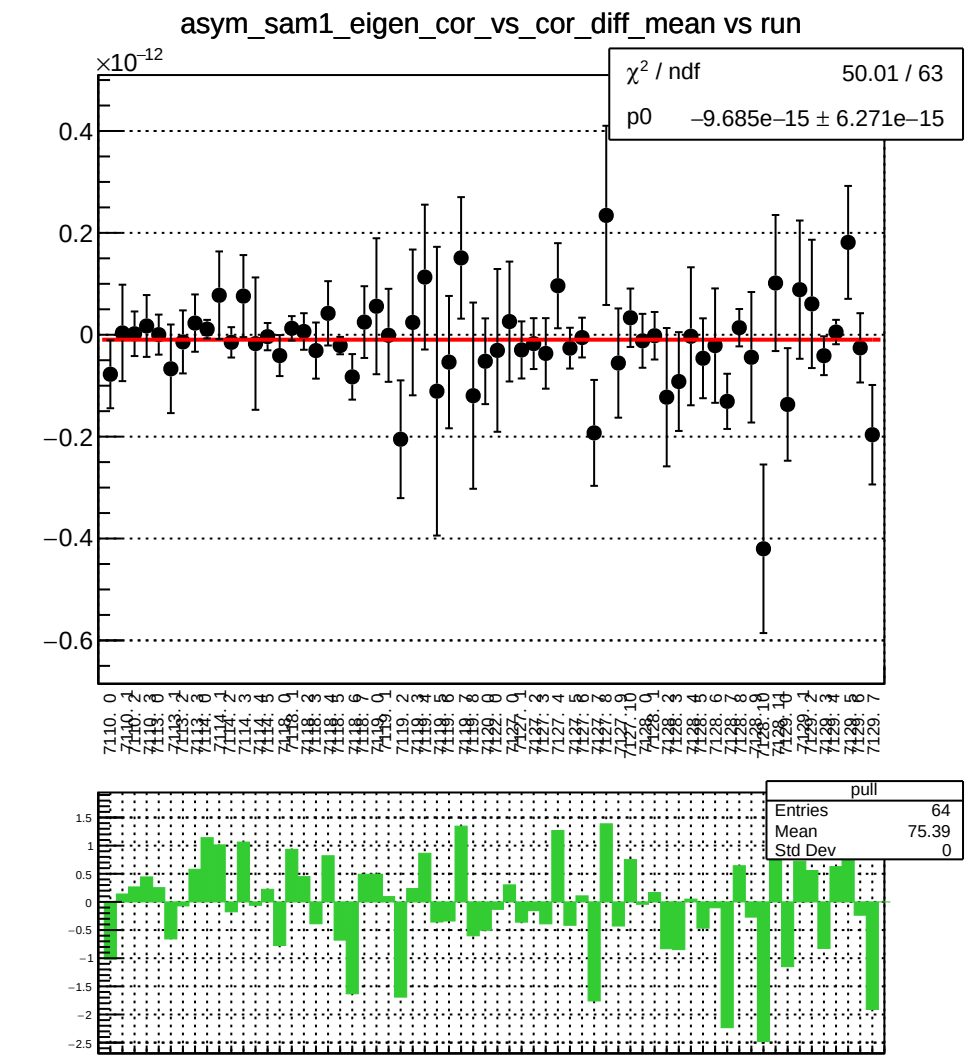

pull1D
Entries 64
Mean 0.02715
Std Dev 0.9061

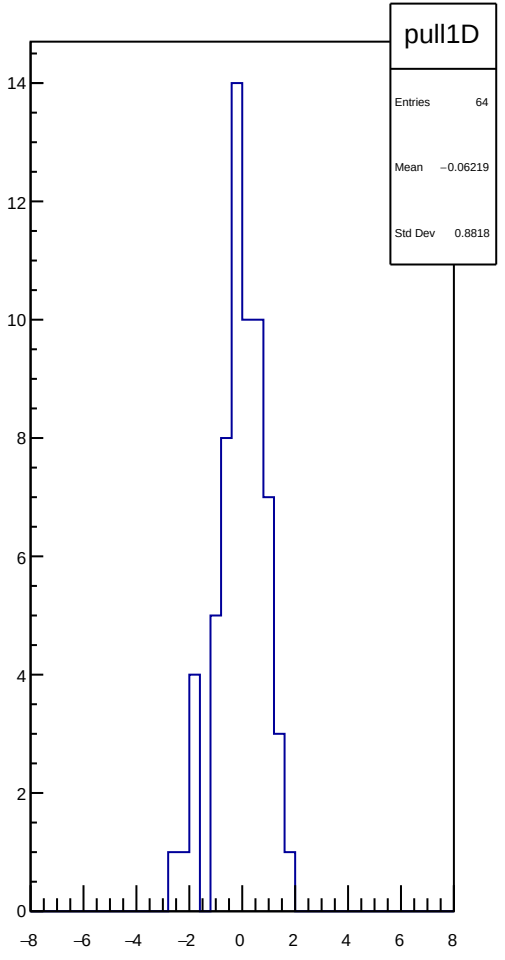

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.33e+05 / 63
p0 10.89 ± 0.01092
70
60
50
40
30
20
10

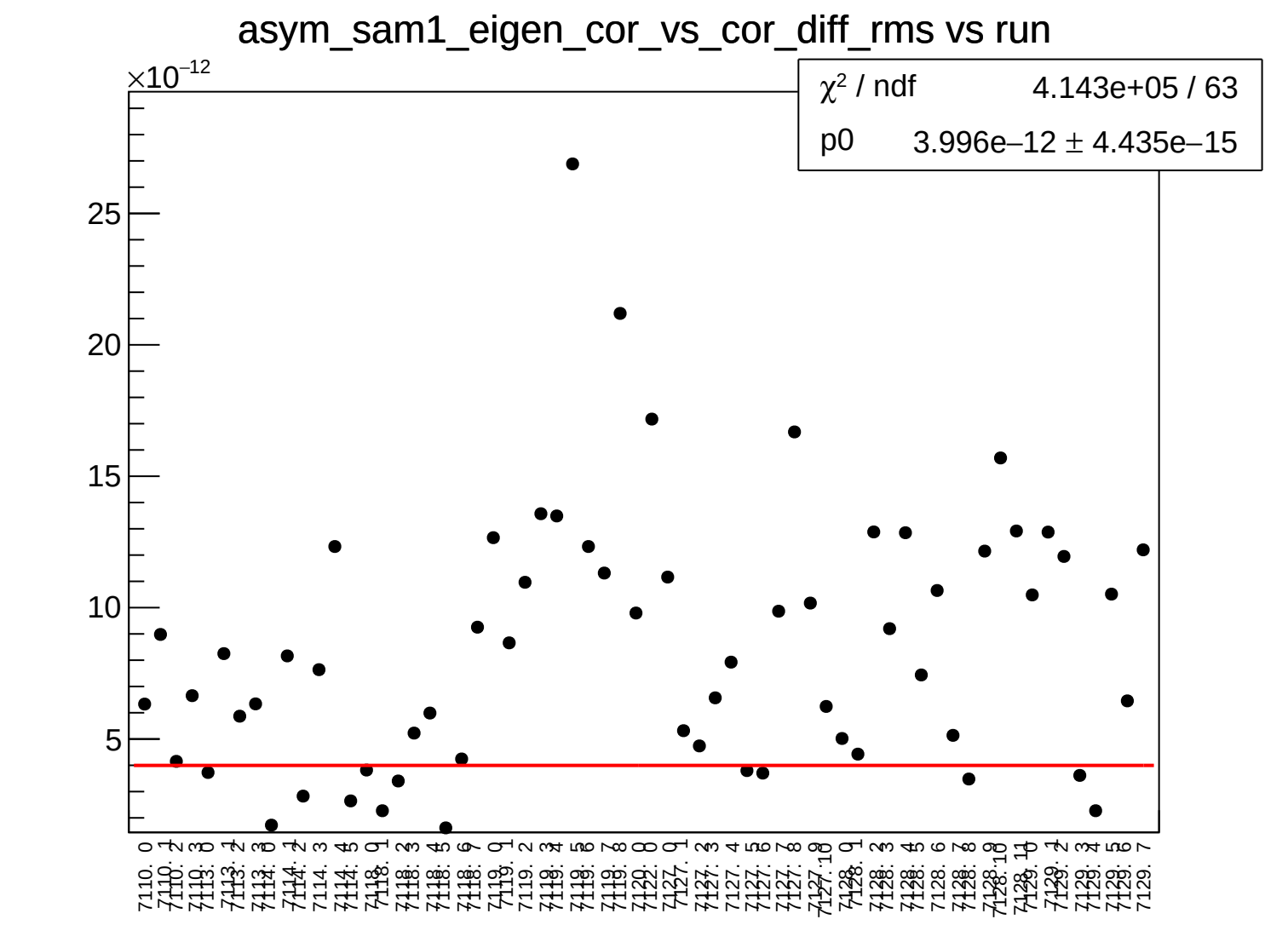

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.59 / 63
p0 −0.006582 ± 0.01545
pull
Entries 64
Mean −4.73
Std Dev 0

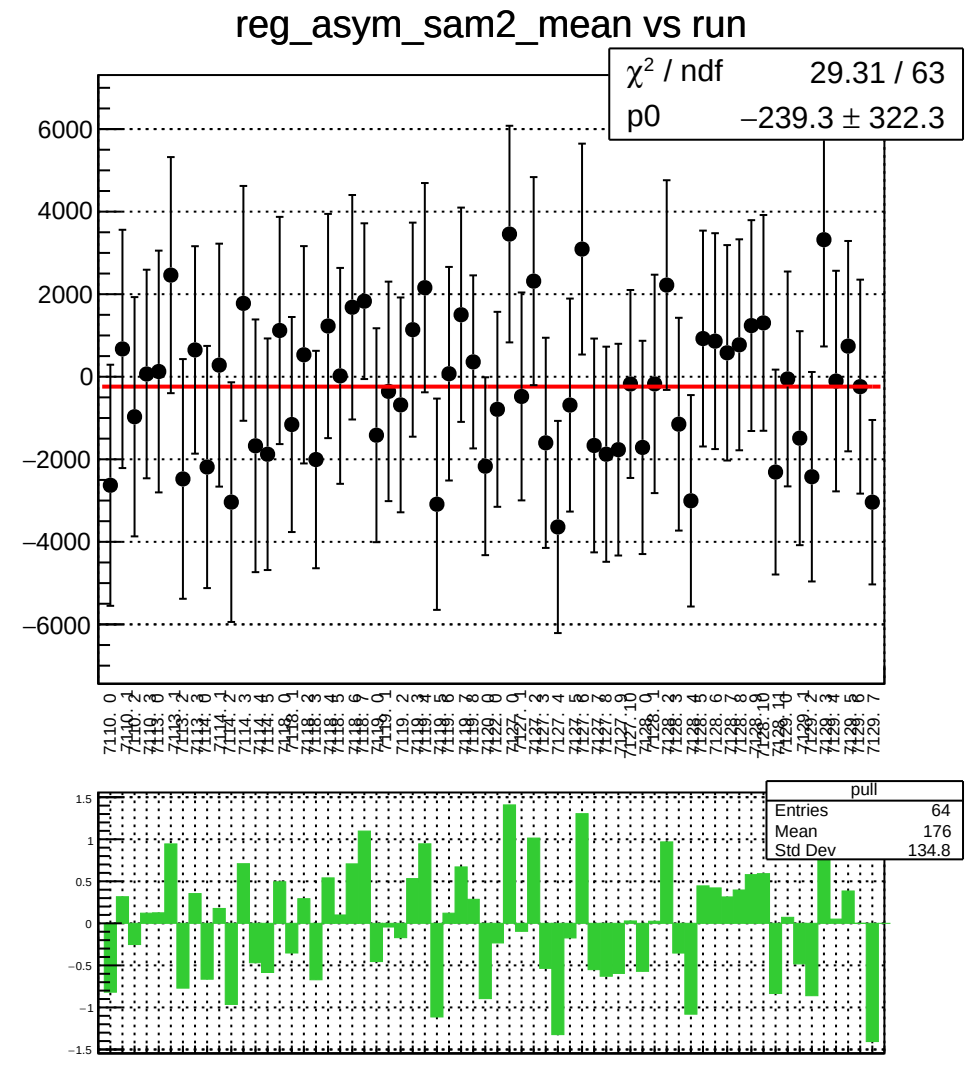

pull1D
Entries 64
Mean 0.02715
Std Dev 0.9061

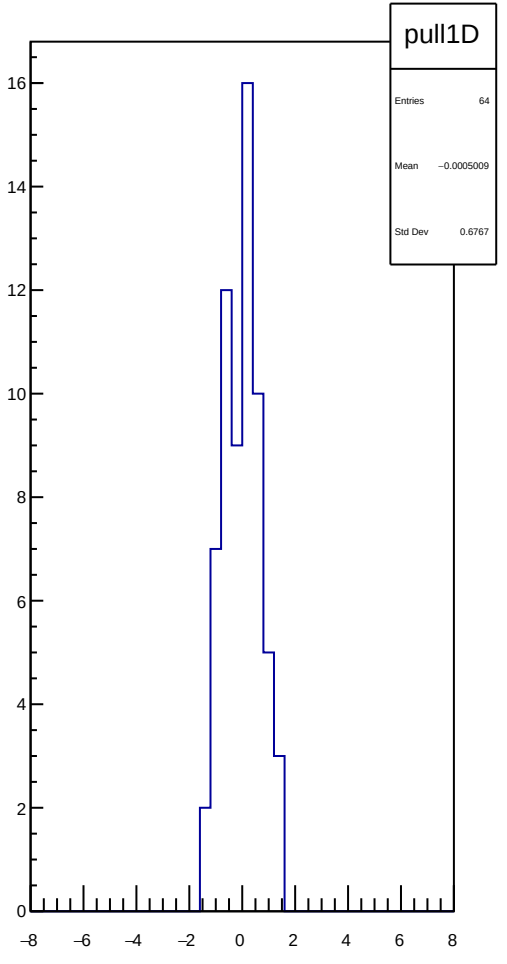

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.33e+05 / 63
p0 10.89 ± 0.01092
70
60
50
40
30
20
10

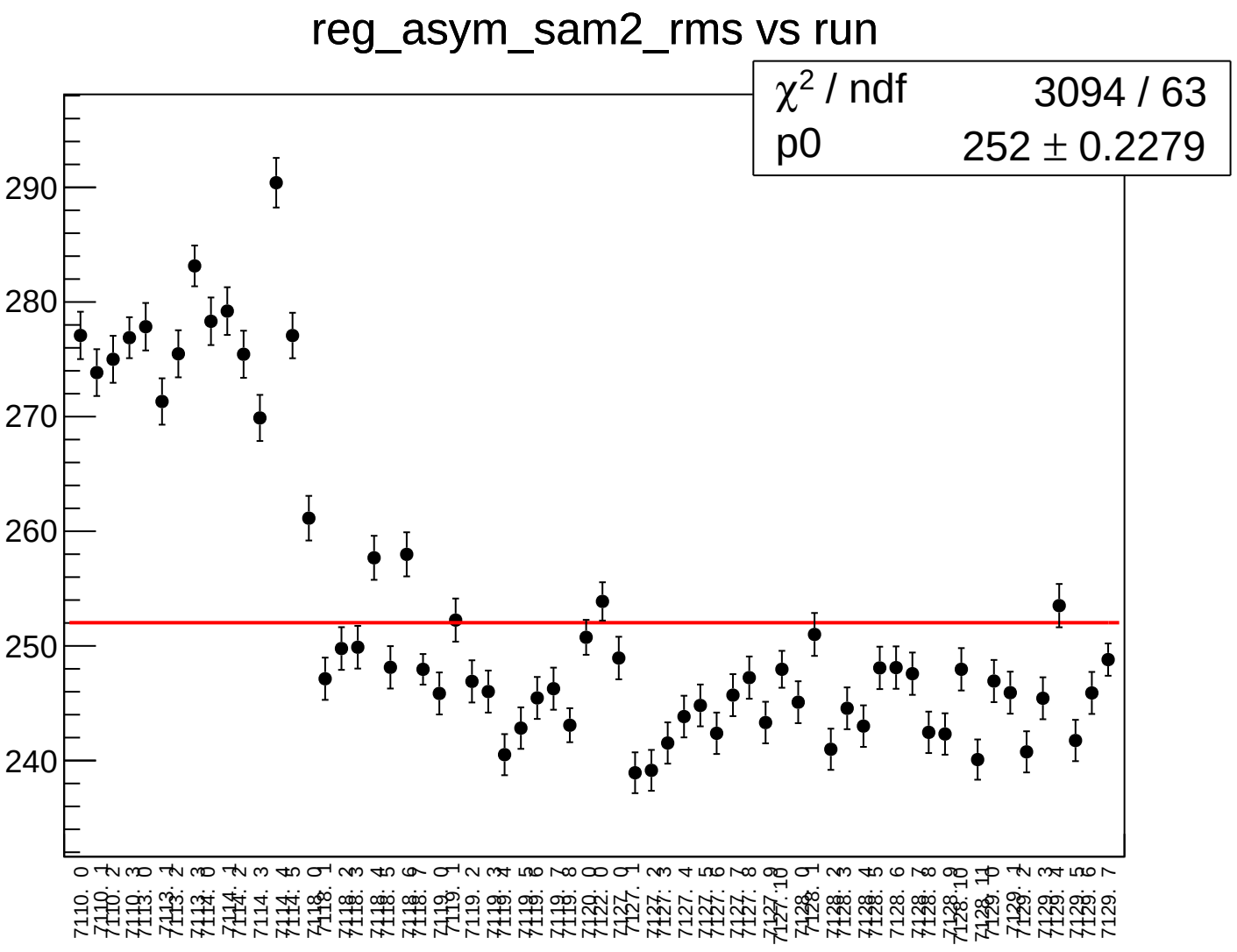

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.01 / 63
p0 −9.685e−15 ± 6.271e−15
pull
Entries 64
Mean 75.39
Std Dev 0

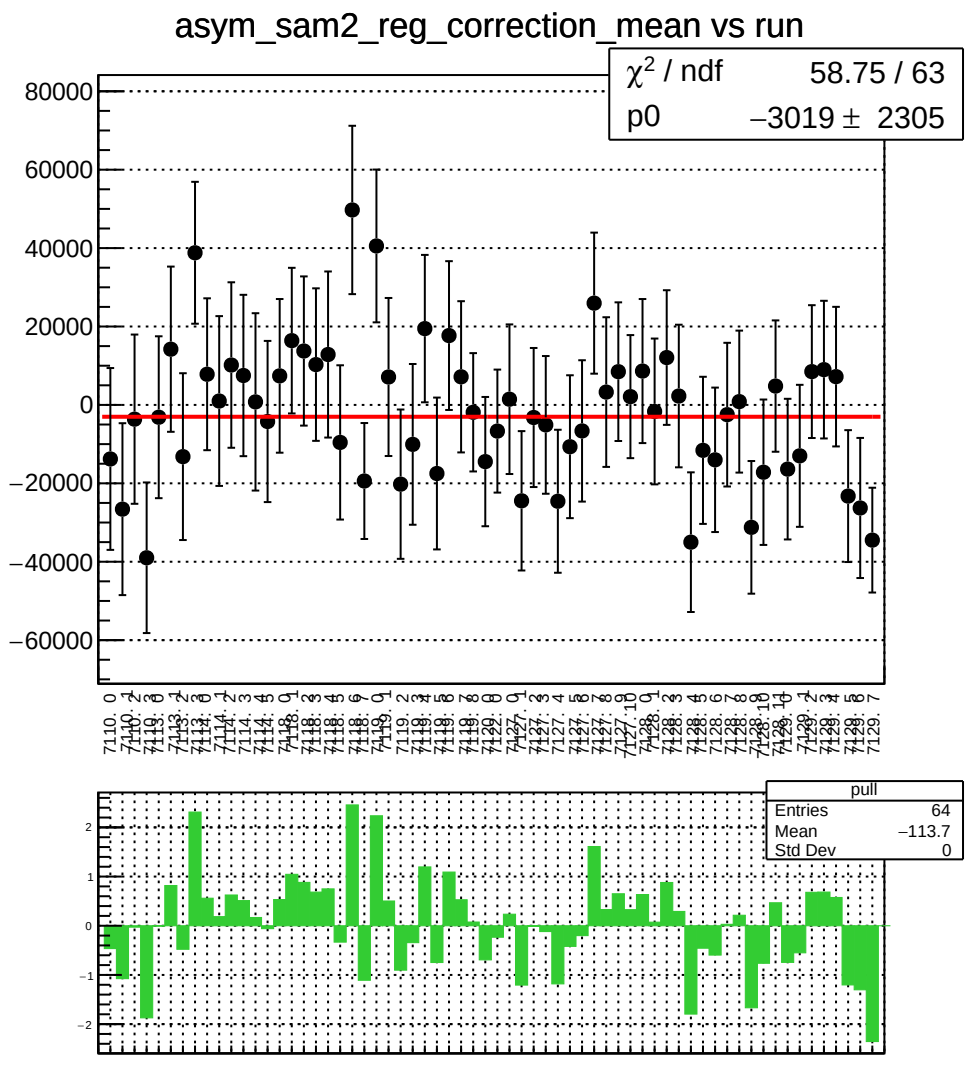

pull1D
Entries 64
Mean −0.06219
Std Dev 0.8818

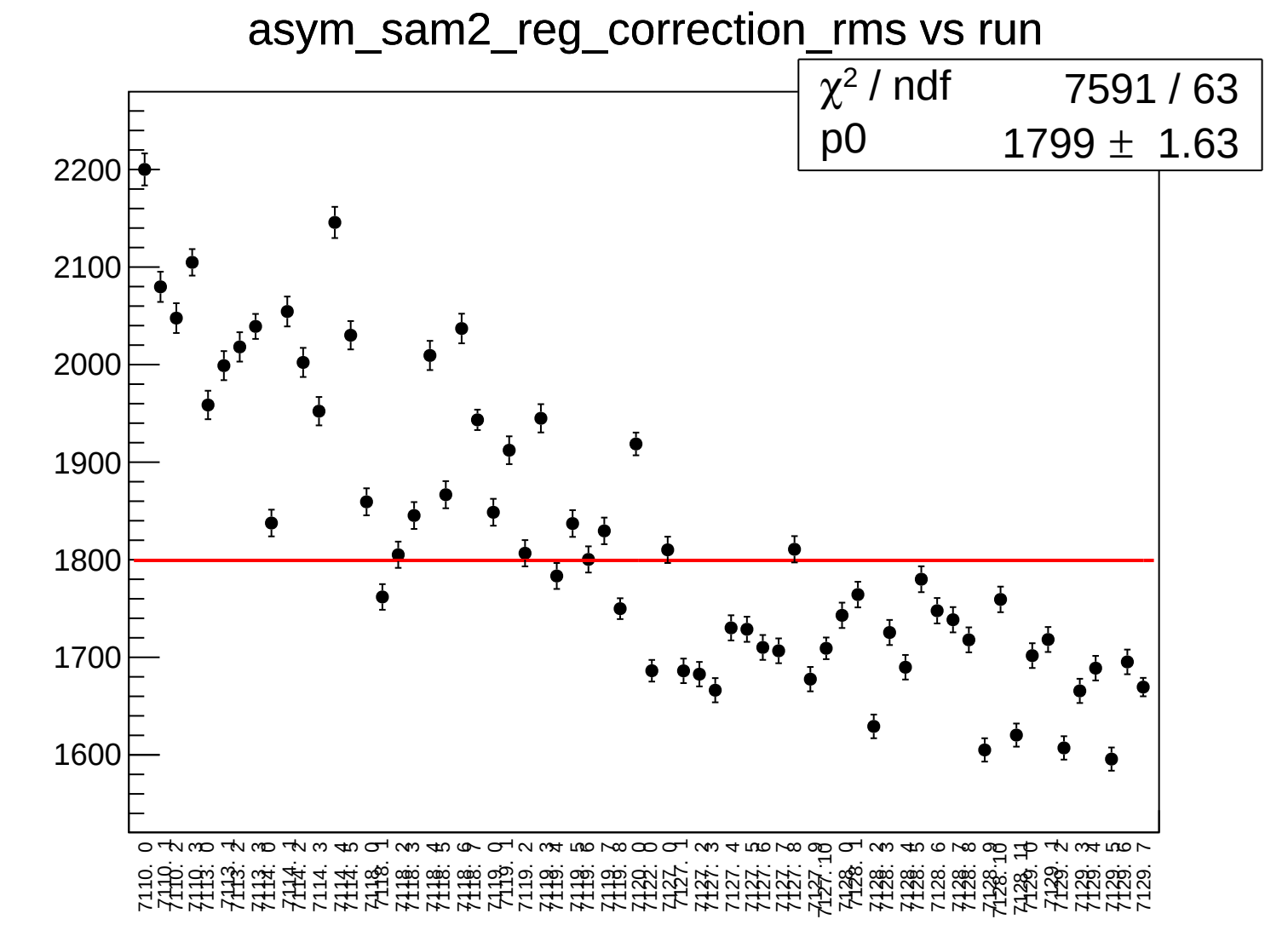

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.143e+05 / 63
p0 3.996e−12 ± 4.435e−15
25
20
15
10
5

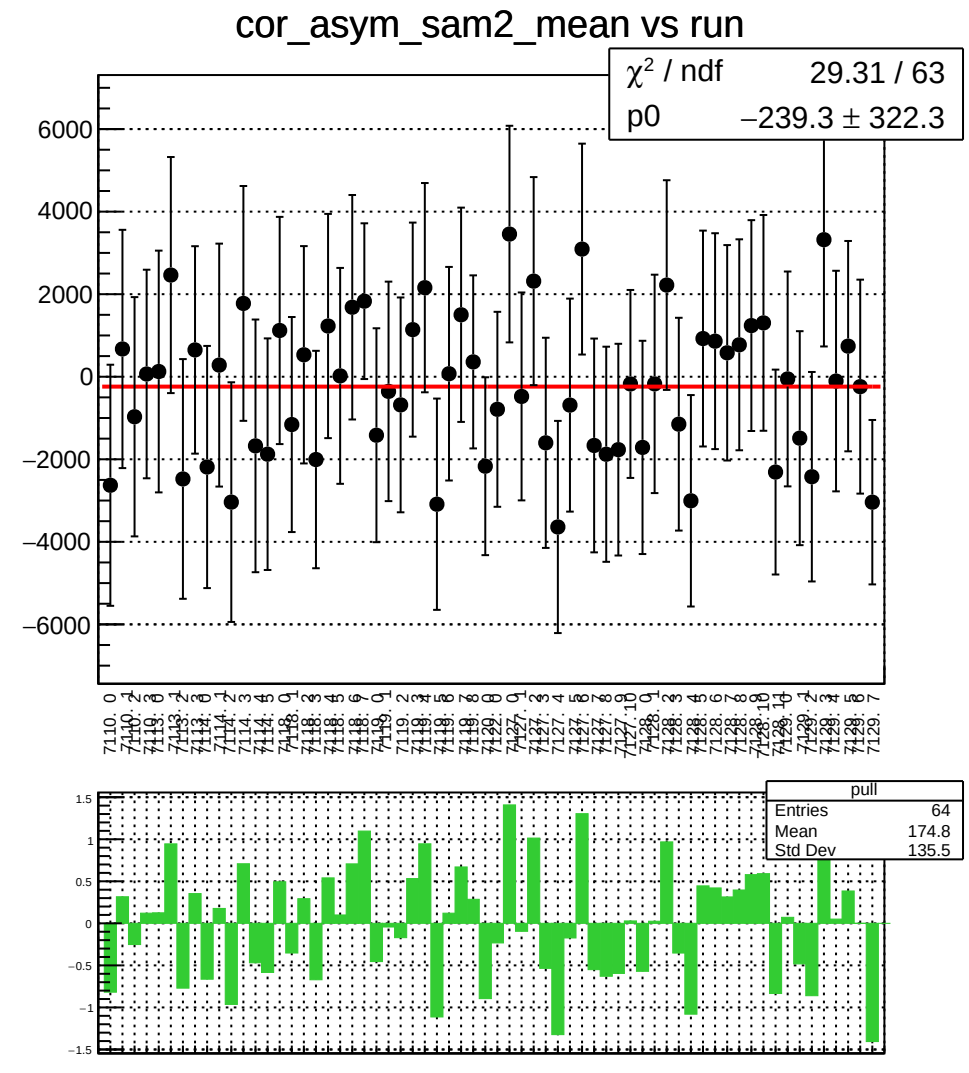

reg_asym_sam2_mean vs run
χ² / ndf 29.31 / 63
p0 −239.3 ± 322.3
pull
Entries 64
Mean 176
Std Dev 134.8

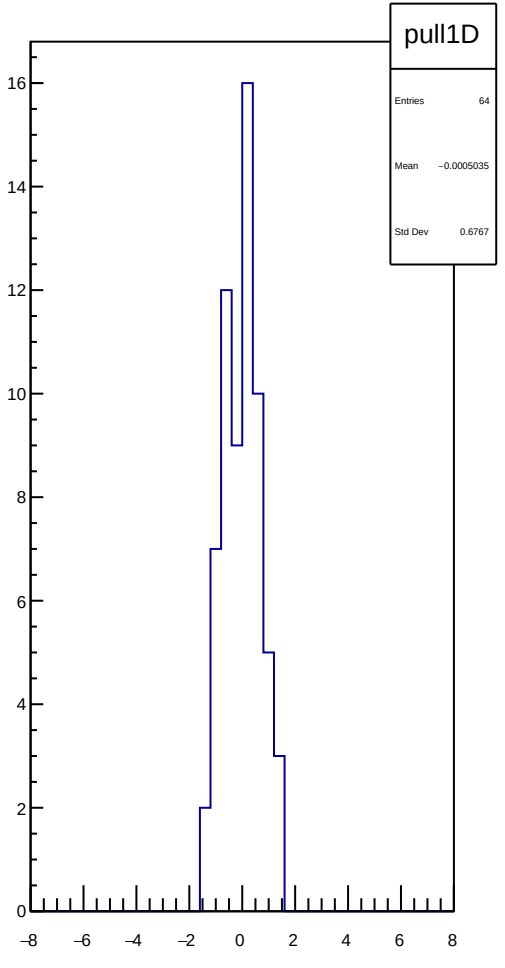

pull1D
Entries 64
Mean −0.0005009
Std Dev 0.6767

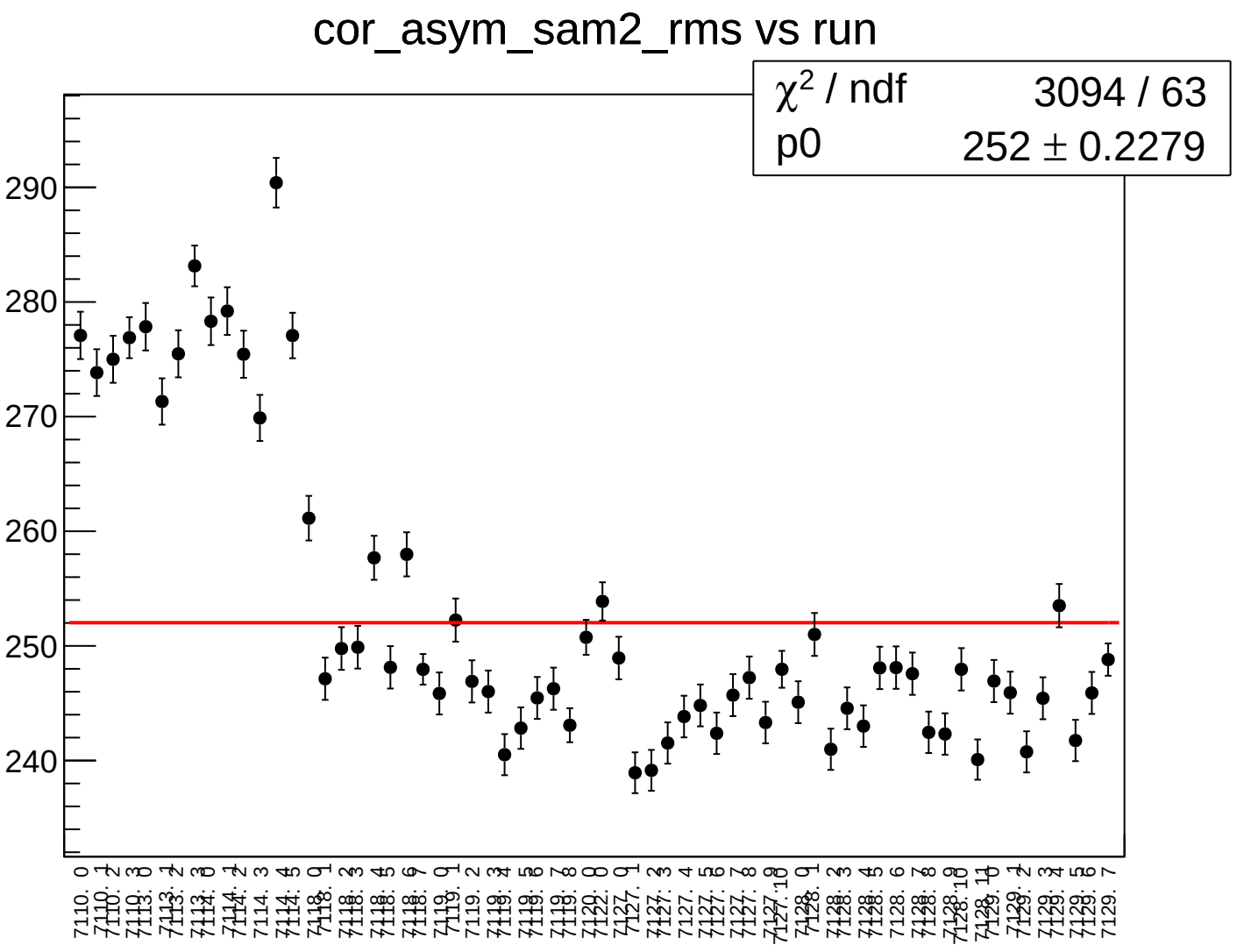

reg_asym_sam2_rms vs run
χ² / ndf 3094 / 63
p0 252 ± 0.2279
290
280
270
260
250
240

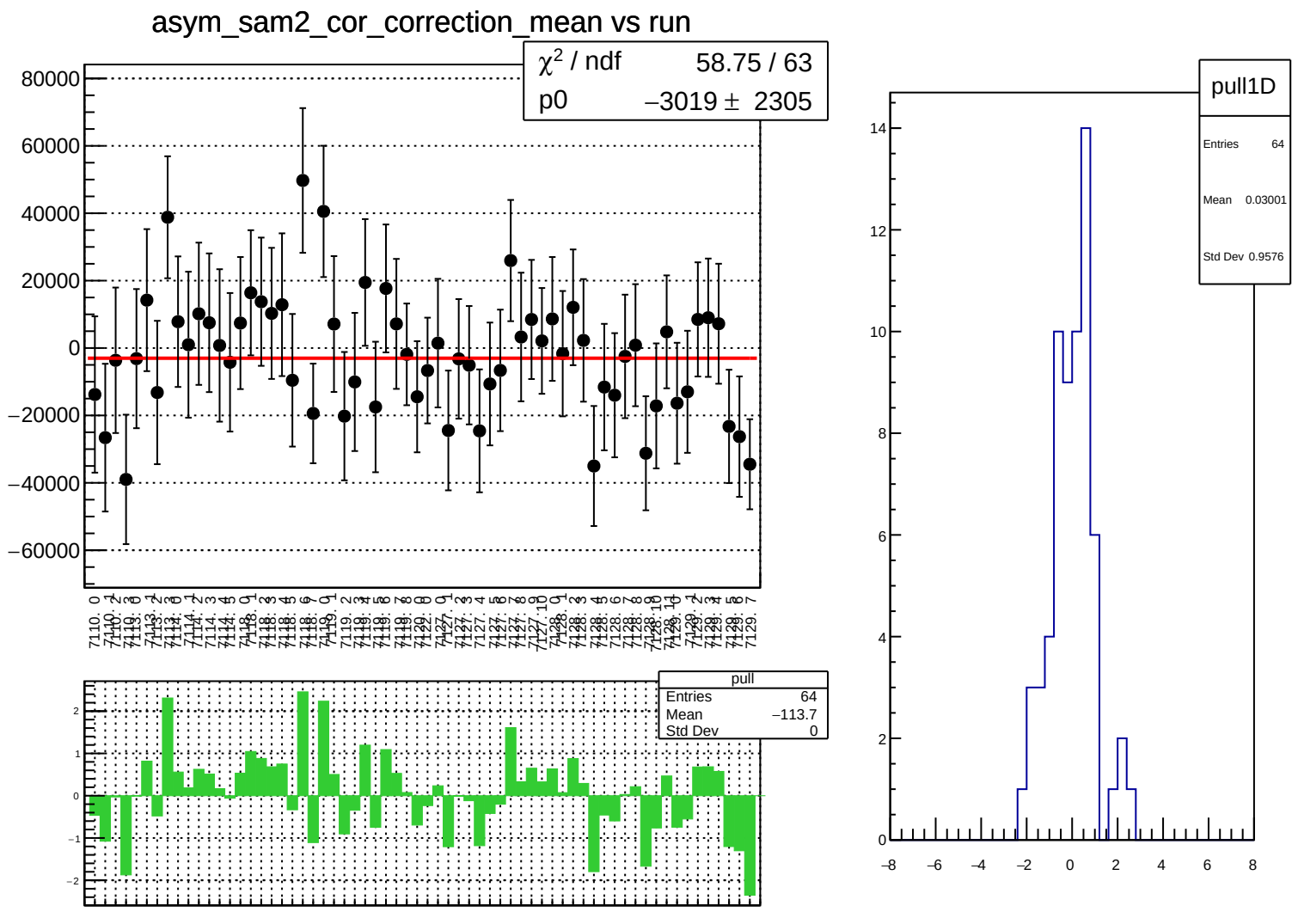

asym_sam2_reg_correction_mean vs run
χ² / ndf 58.75 / 63
p0 −3019 ± 2305
pull
Entries 64
Mean −113.7
Std Dev 0
pull1D
Entries 64
Mean 0.03001
Std Dev 0.9576

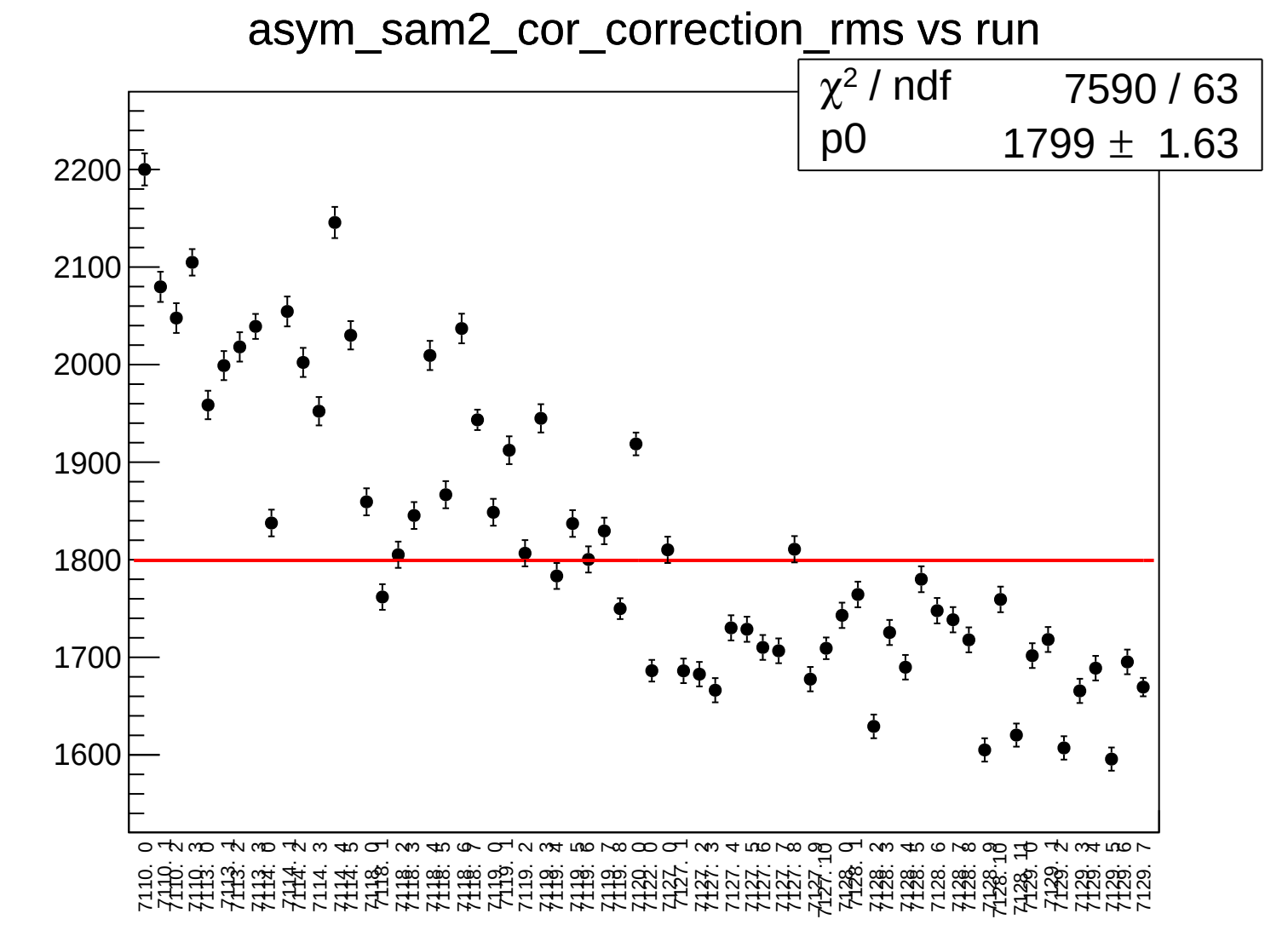

asym_sam2_reg_correction_rms vs run
χ² / ndf 7591 / 63
p0 1799 ± 1.63
2200
2100
2000
1900
1800
1700
1600

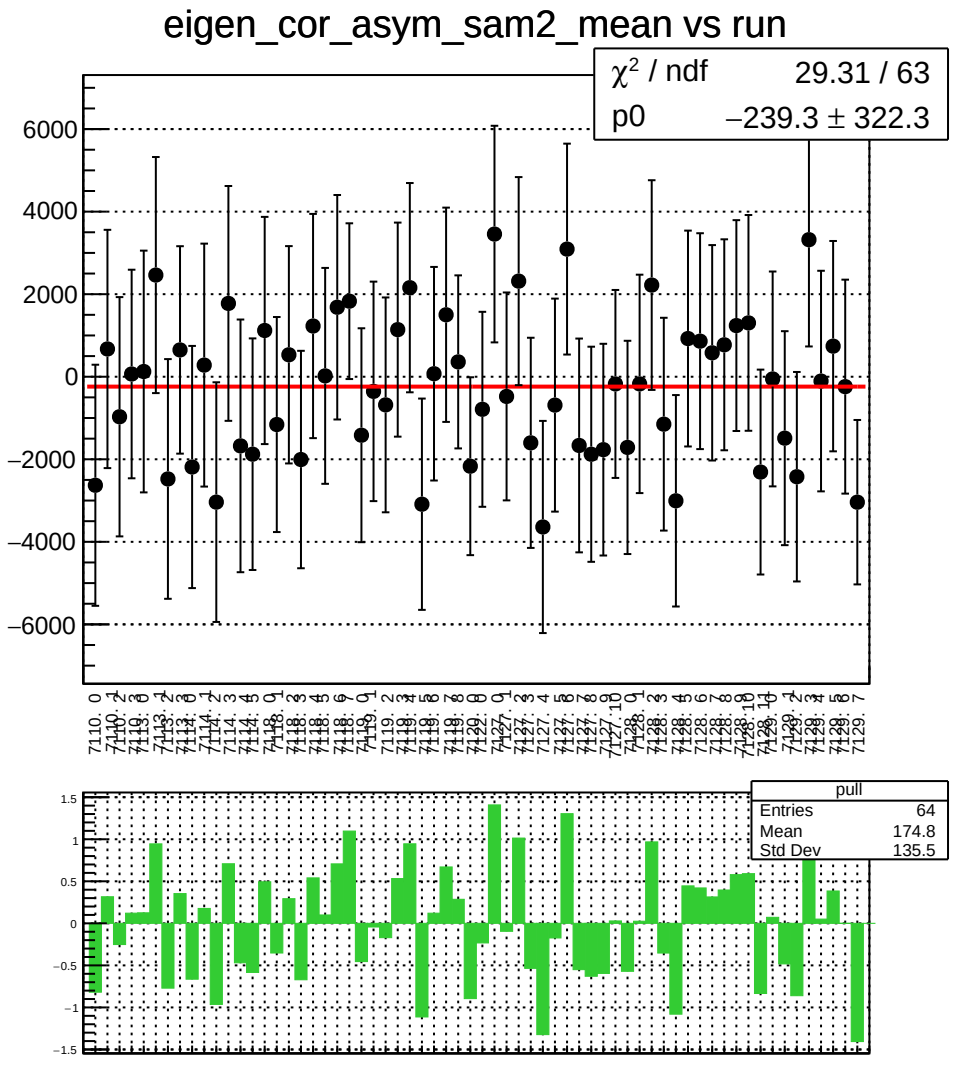

cor_asym_sam2_mean vs run
χ² / ndf 29.31 / 63
p0 −239.3 ± 322.3
pull
Entries 64
Mean 174.8
Std Dev 135.5

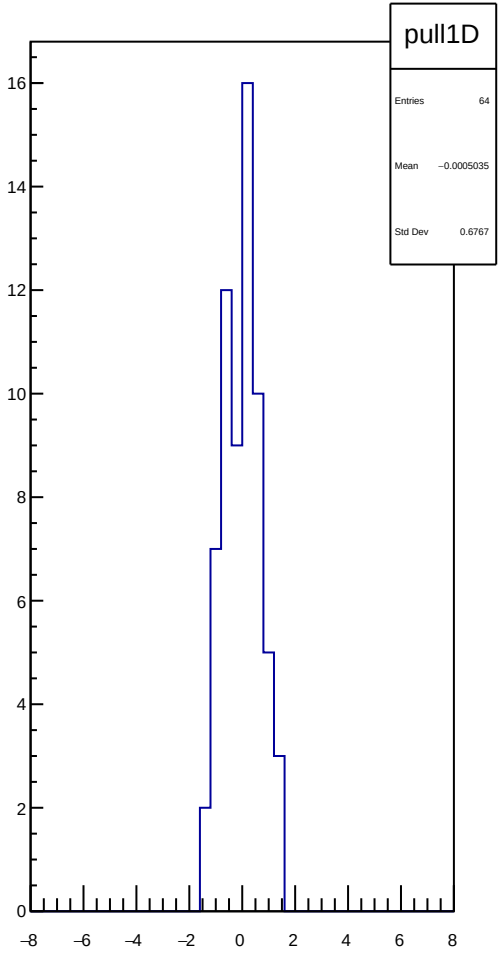

pull1D
Entries 64
Mean −0.0005035
Std Dev 0.6767

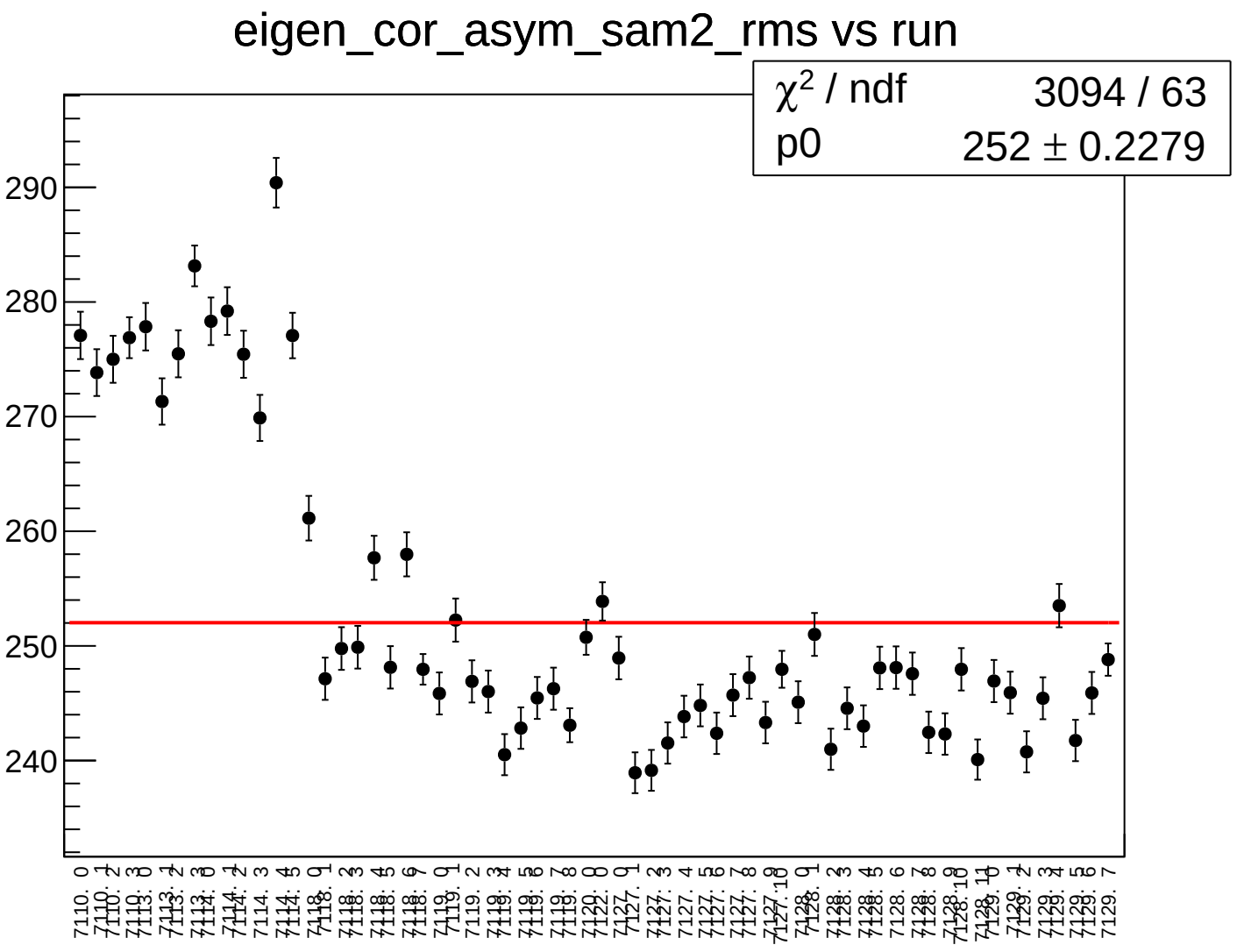

cor_asym_sam2_rms vs run
χ^2 / ndf 3094 / 63
p0 252 ± 0.2279
290
280
270
260
250
240

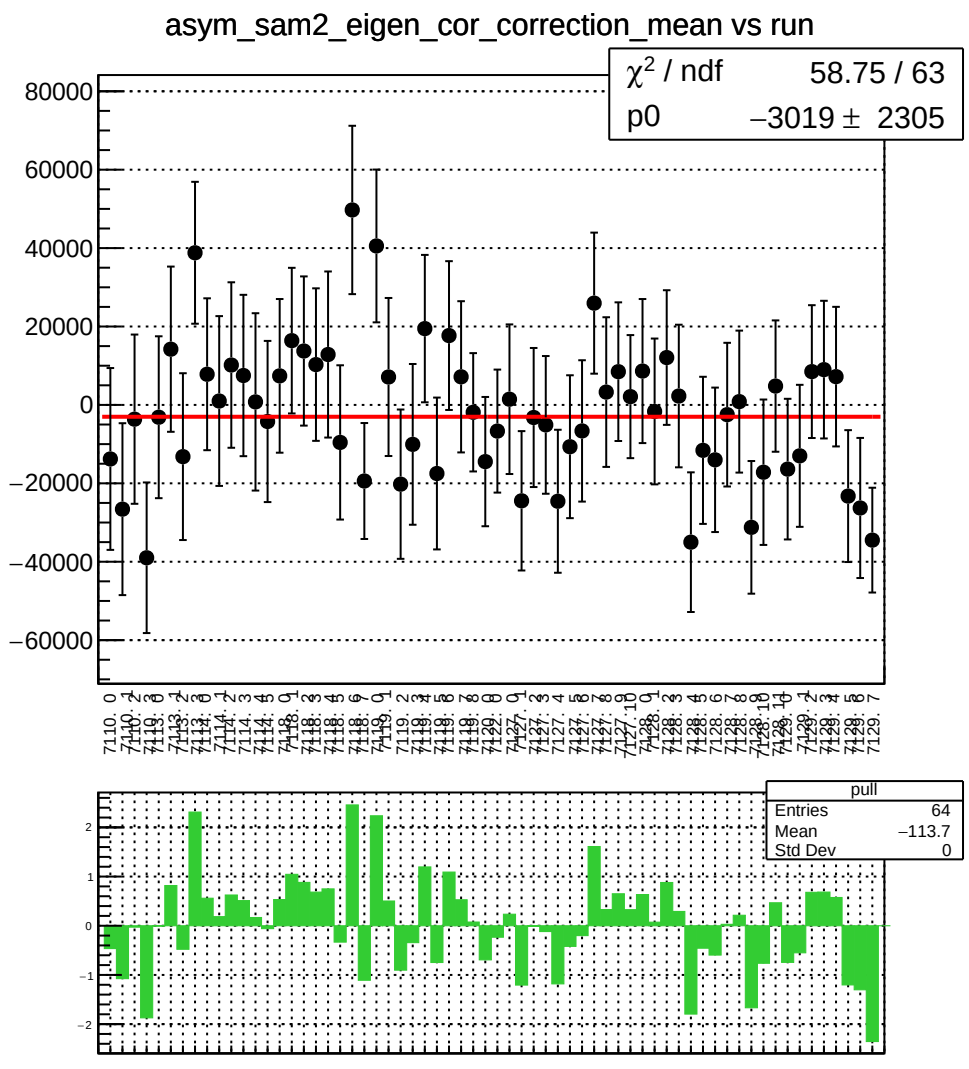

asym_sam2_cor_correction_mean vs run
χ² / ndf 58.75 / 63
p0 −3019 ± 2305
pull
Entries 64
Mean −113.7
Std Dev 0
pull1D
Entries 64
Mean 0.03001
Std Dev 0.9576

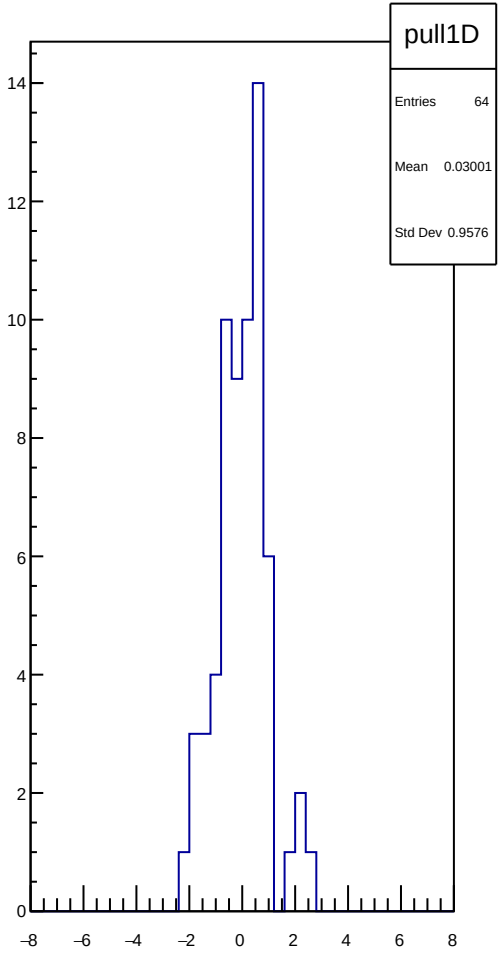

asym_sam2_cor_correction_rms vs run
χ² / ndf 7590 / 63
p0 1799 ± 1.63
2200
2100
2000
1900
1800
1700
1600

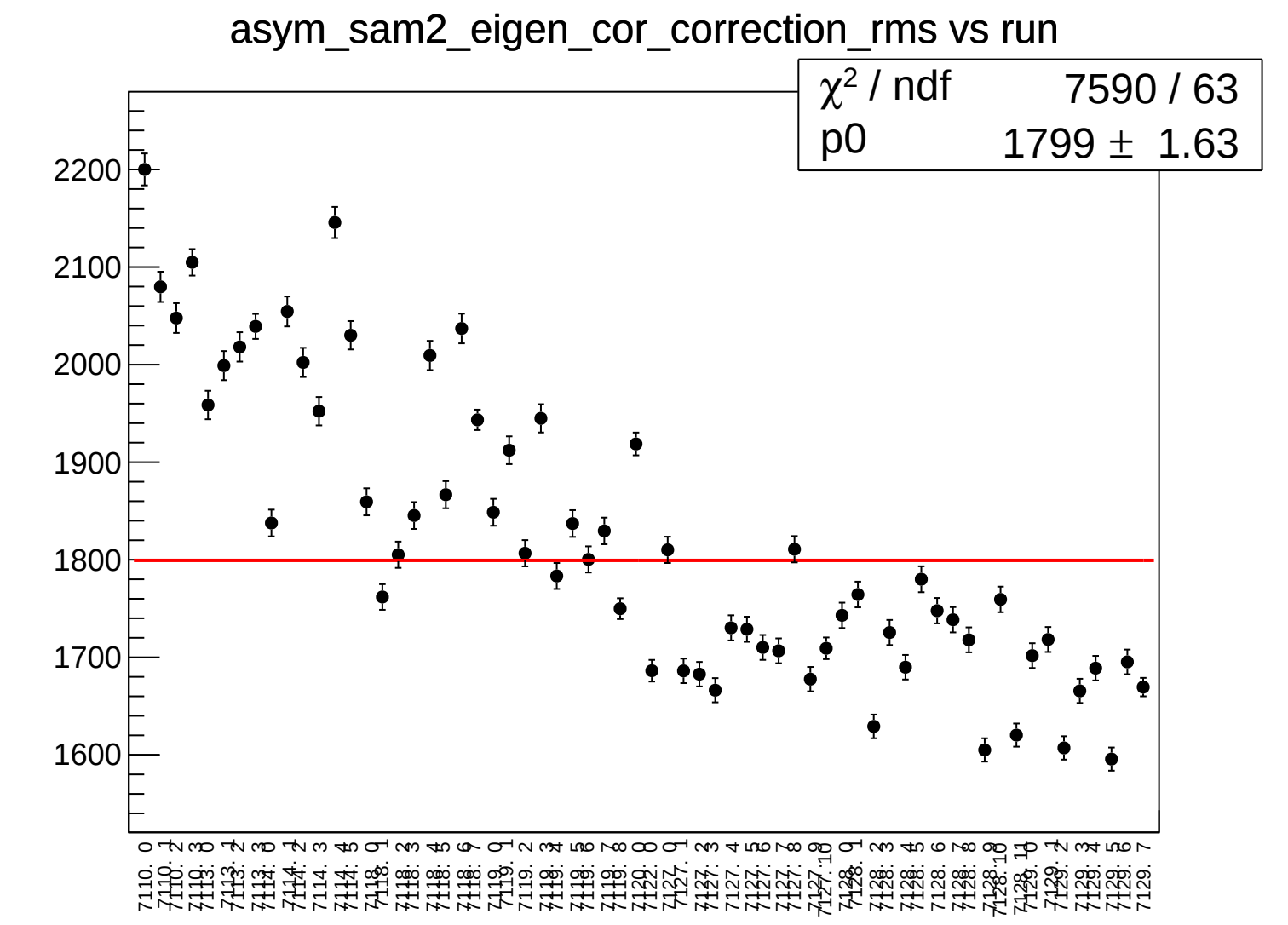

eigen_cor_asym_sam2_mean vs run
χ² / ndf 29.31 / 63
p0 −239.3 ± 322.3
pull
Entries 64
Mean 174.8
Std Dev 135.5

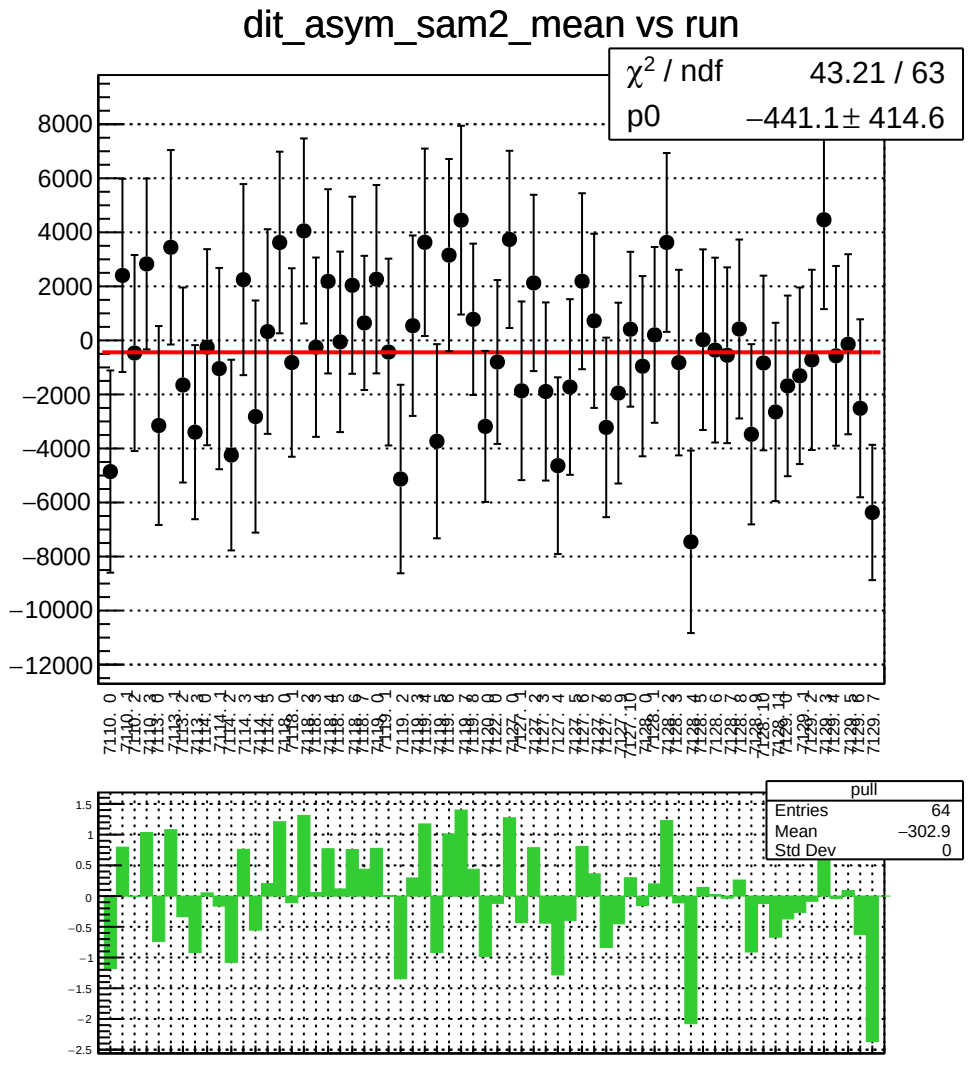

pull1D
Entries 64
Mean −0.0005035
Std Dev 0.6767

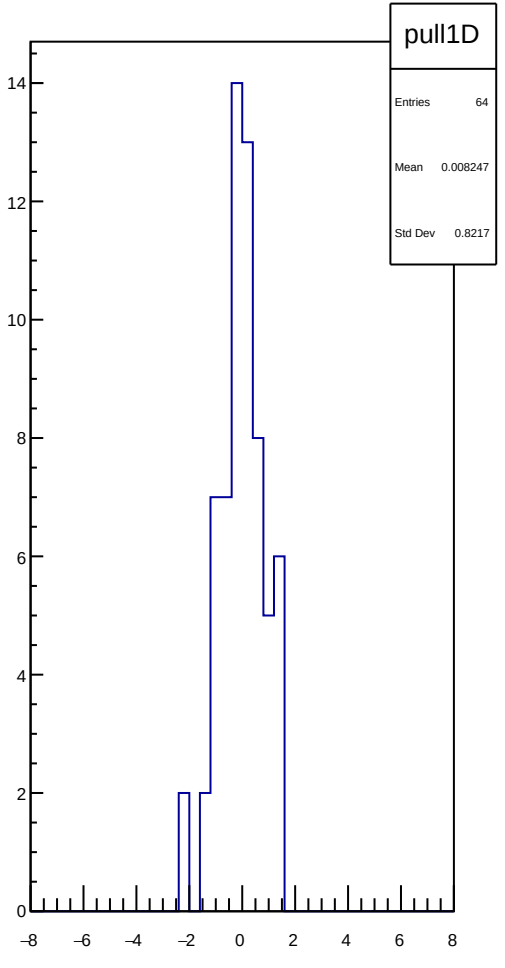

eigen_cor_asym_sam2_rms vs run
χ² / ndf 3094 / 63
p0 252 ± 0.2279
290
280
270
260
250
240

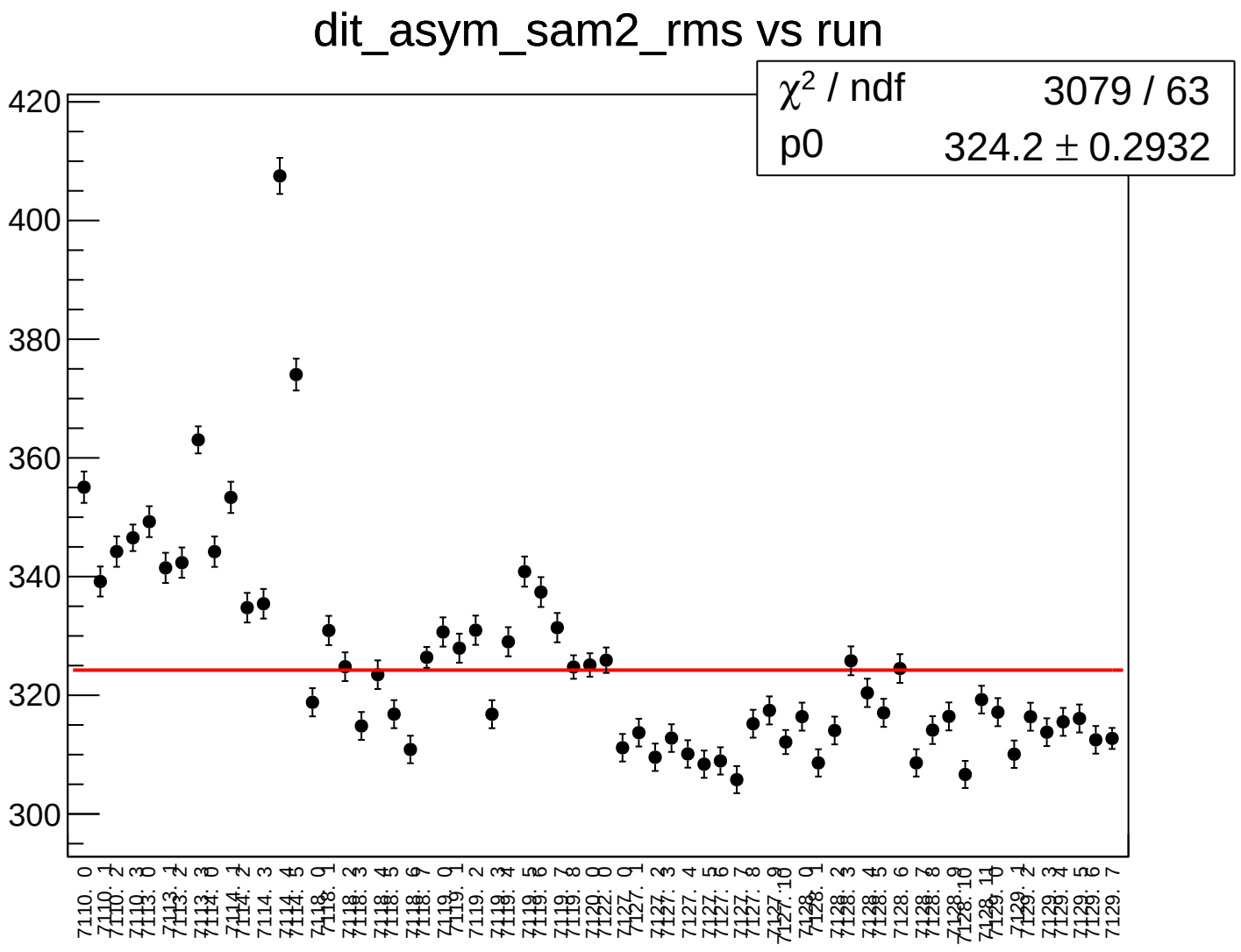

asym_sam2_eigen_cor_correction_mean vs run
χ² / ndf 58.75 / 63
p0 −3019 ± 2305
pull
Entries 64
Mean −113.7
Std Dev 0

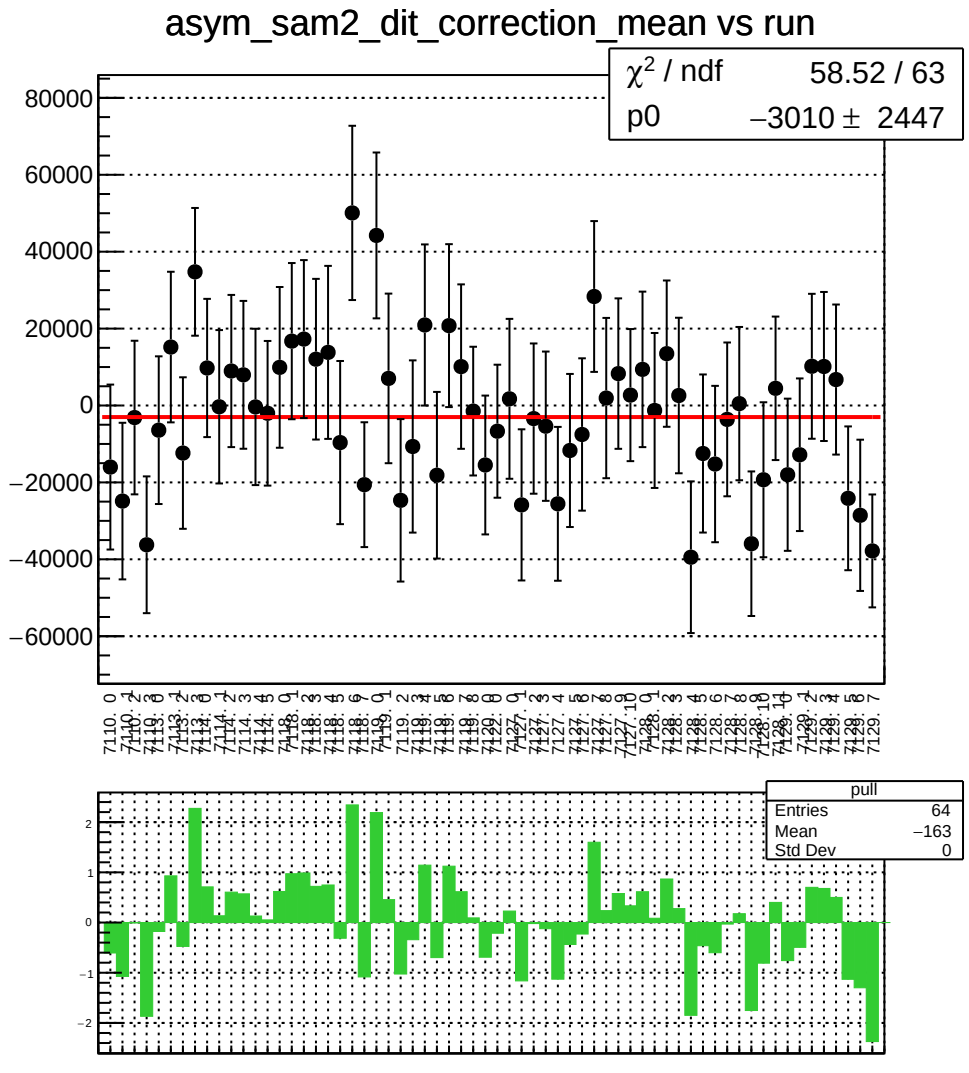

pull1D
Entries 64
Mean 0.03001
Std Dev 0.9576

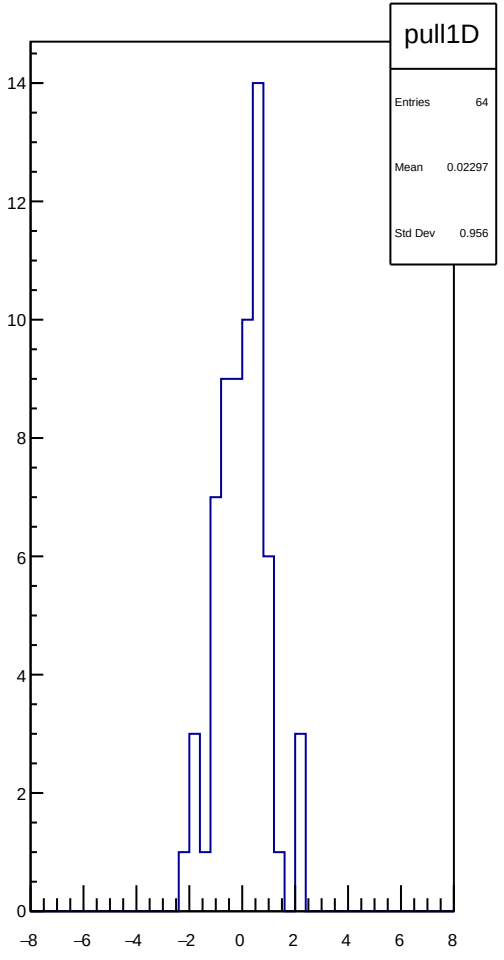

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 7590 / 63
p0 1799 ± 1.63
2200
2100
2000
1900
1800
1700
1600

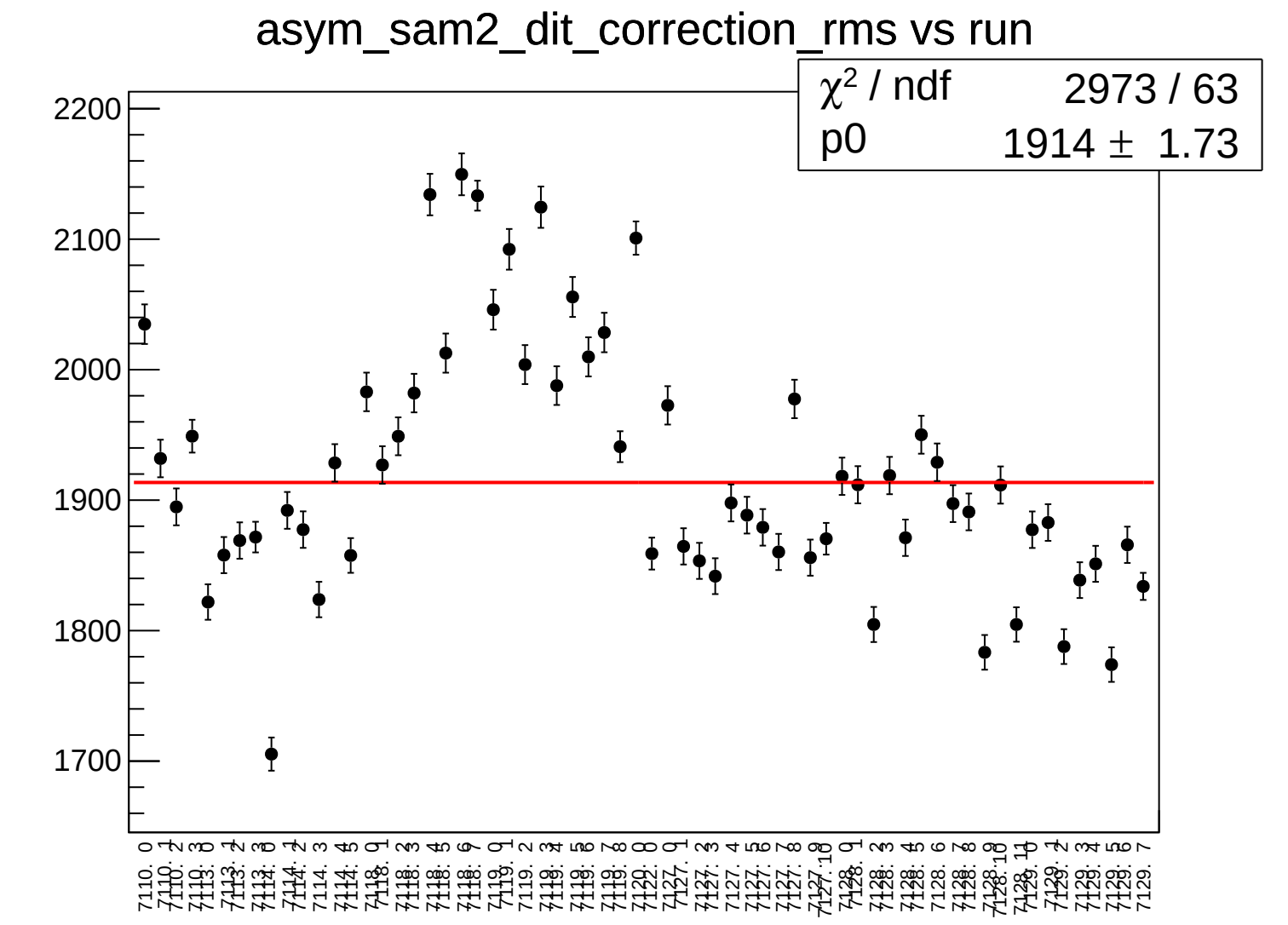

dit_asym_sam2_mean vs run
χ² / ndf 43.21 / 63
p0 −441.1 ± 414.6
pull
Entries 64
Mean −302.9
Std Dev 0

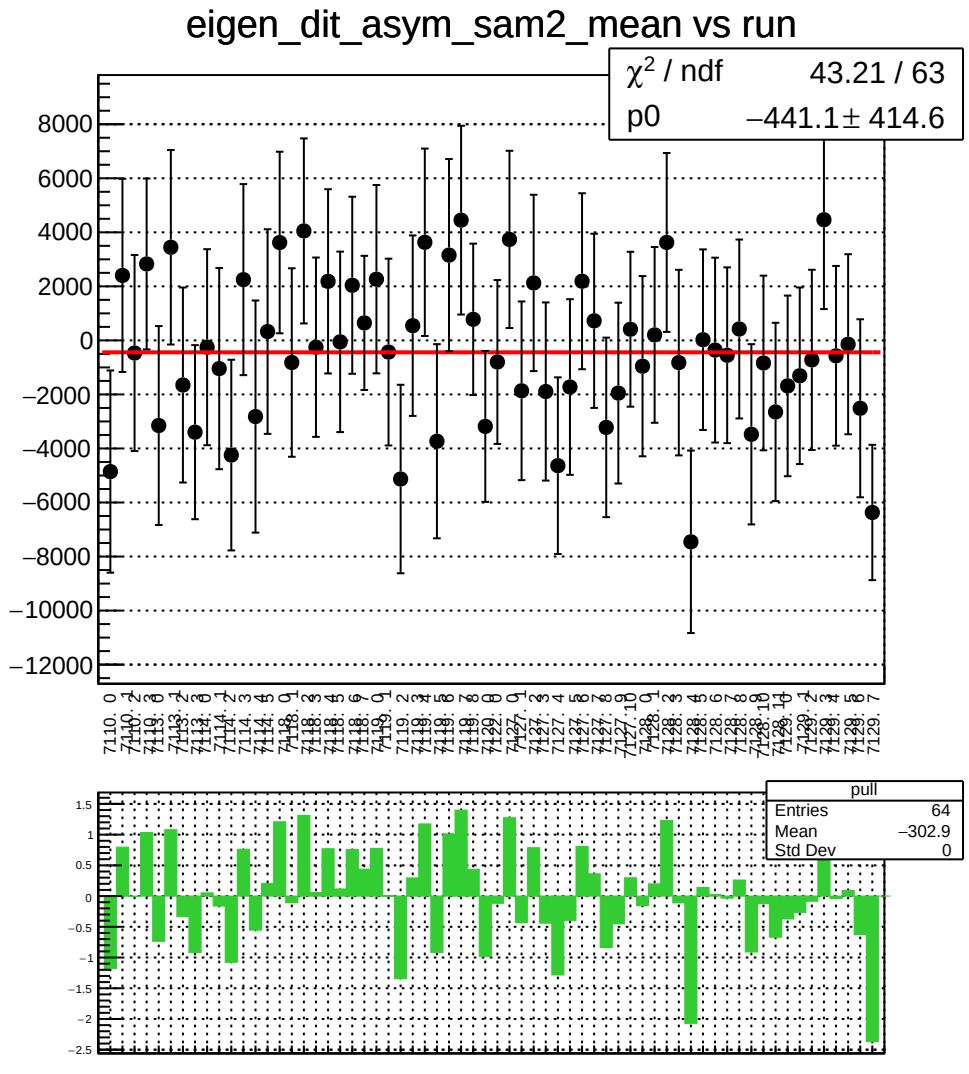

pull1D
Entries 64
Mean 0.008247
Std Dev 0.8217

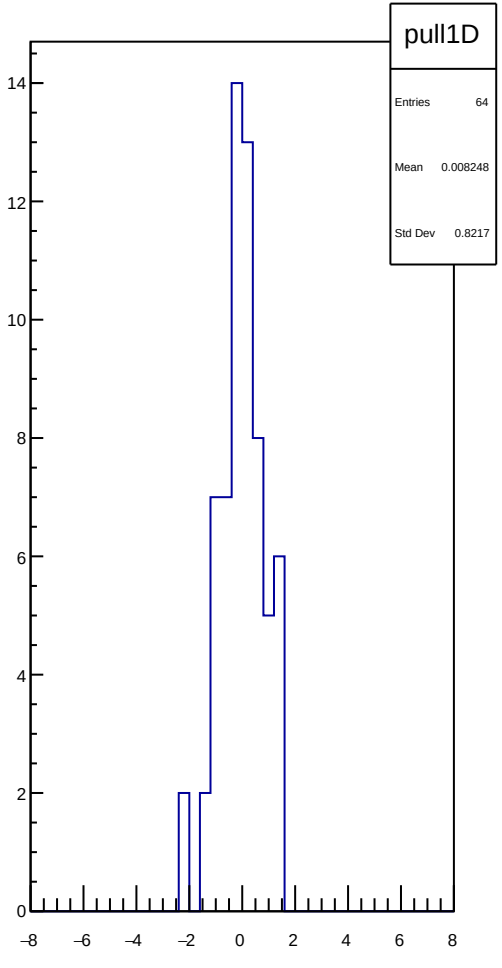

dit_asym_sam2_rms vs run
χ² / ndf 3079 / 63
p0 324.2 ± 0.2932
420
400
380
360
340
320
300

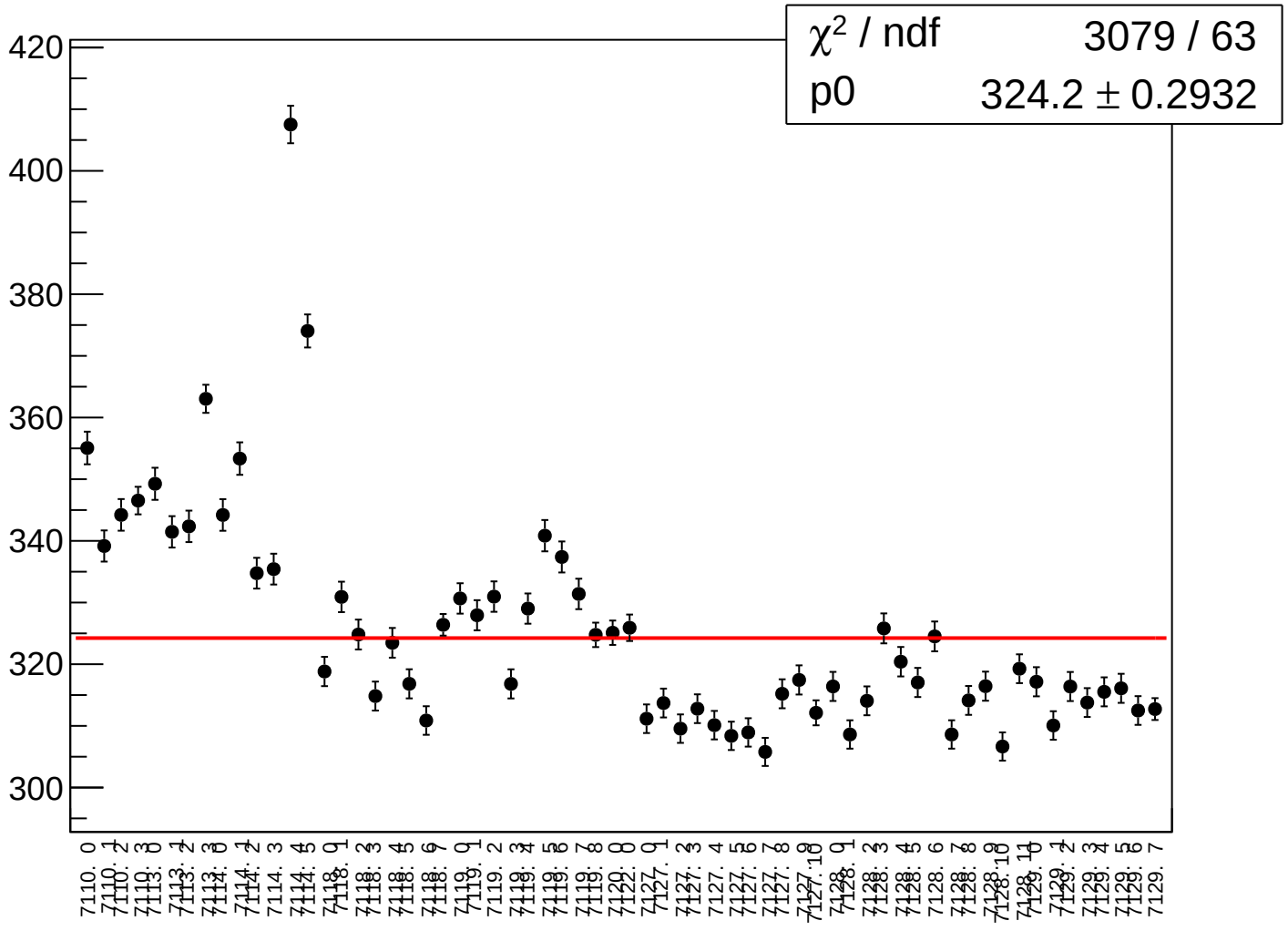

asym_sam2_dit_correction_mean vs run
χ² / ndf 58.52 / 63
p0 −3010 ± 2447
pull
Entries 64
Mean −163
Std Dev 0

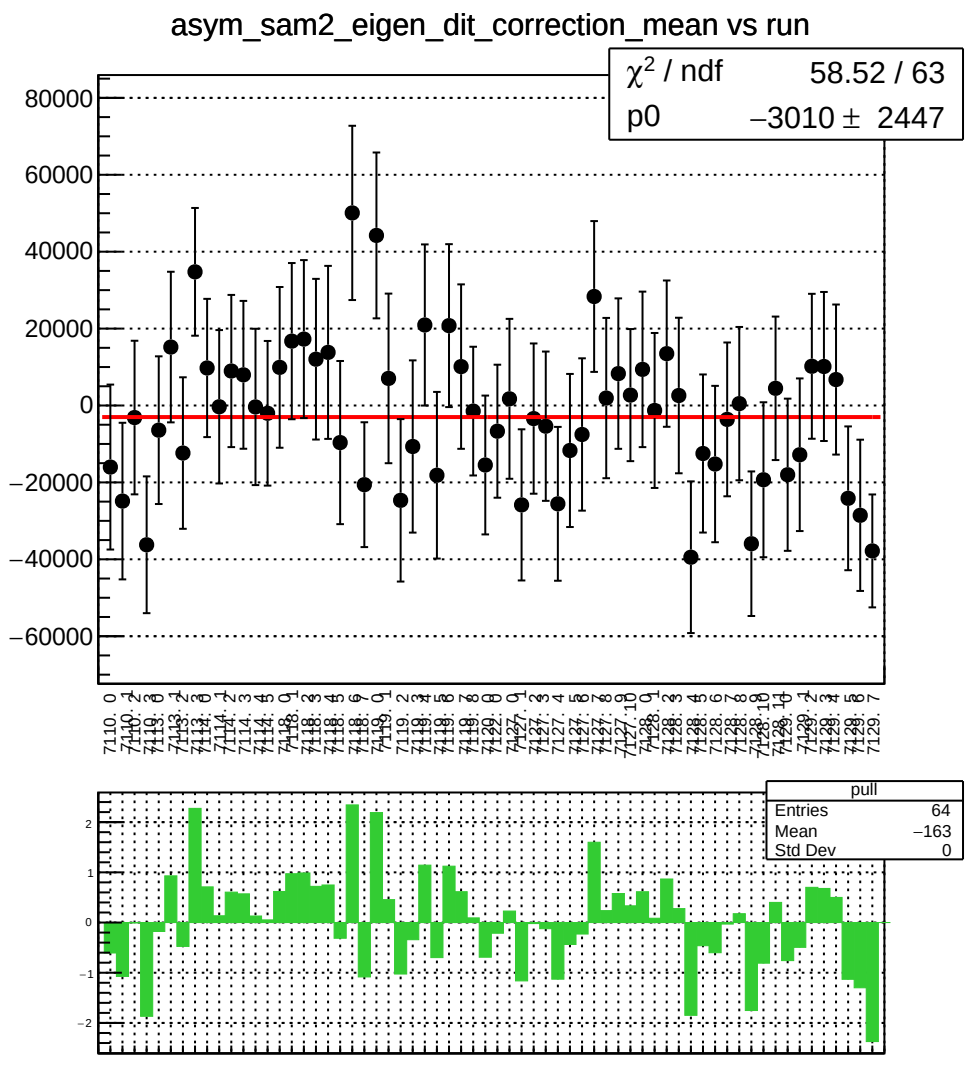

pull1D
Entries 64
Mean 0.02297
Std Dev 0.956

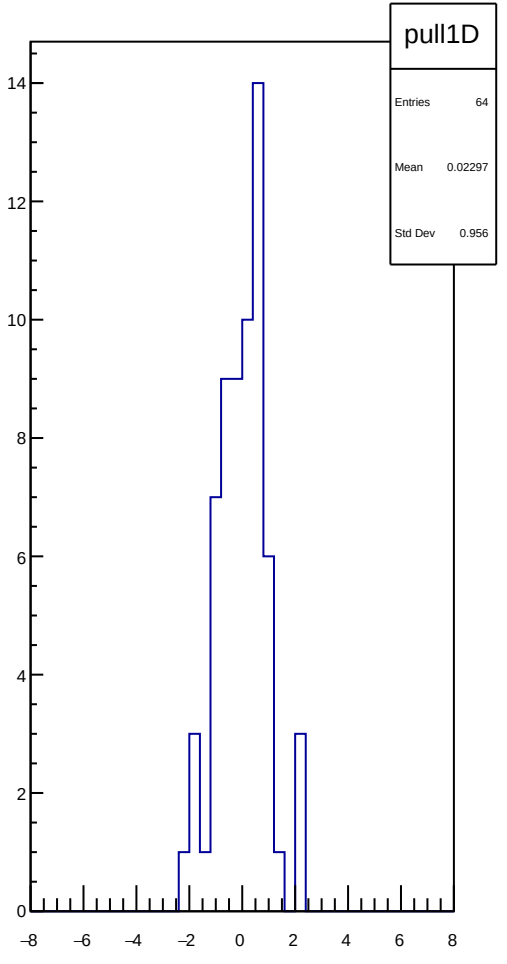

asym_sam2_dit_correction_rms vs run
χ² / ndf 2973 / 63
p0 1914 ± 1.73
2200
2100
2000
1900
1800
1700

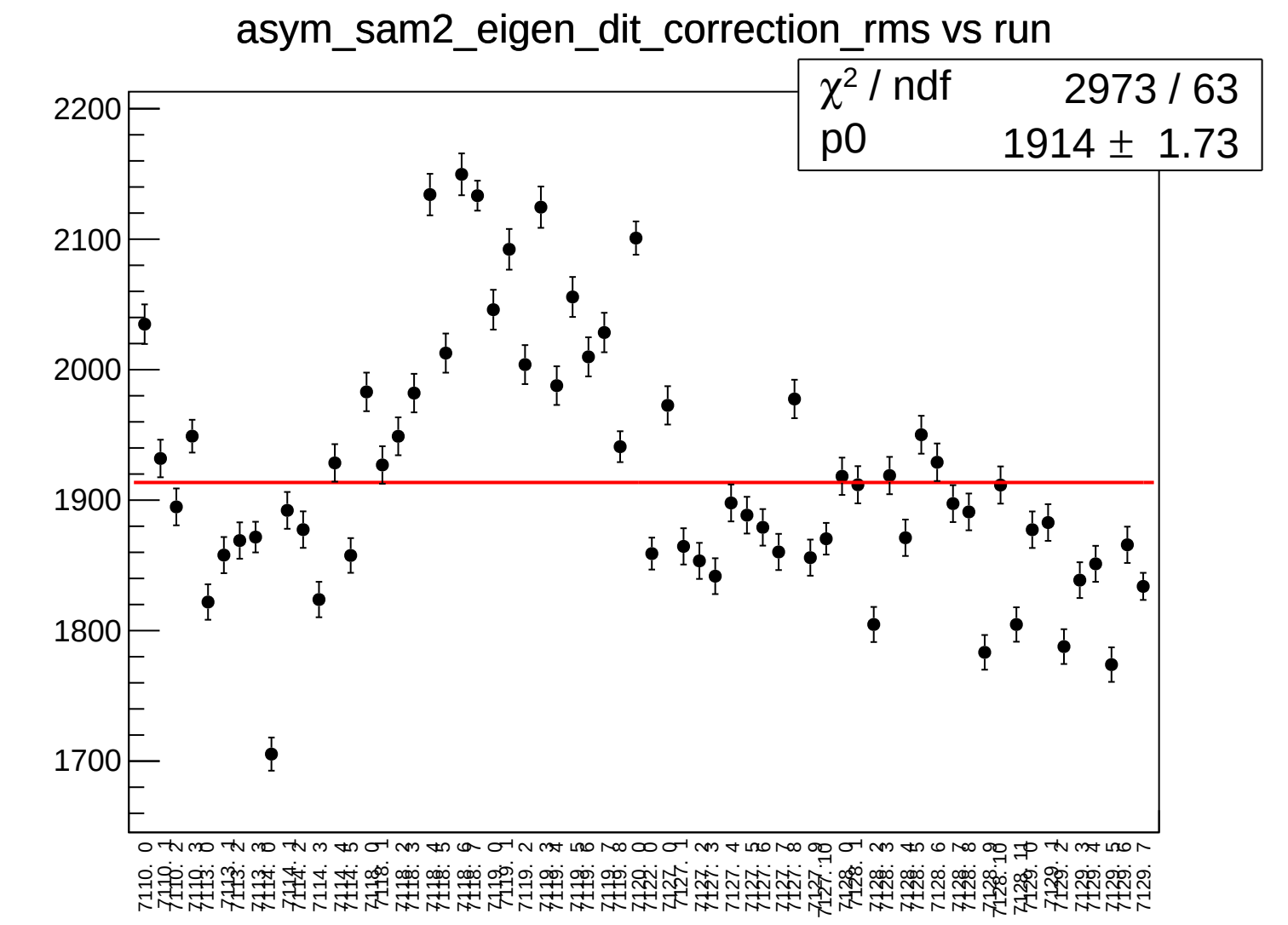

eigen_dit_asym_sam2_mean vs run
χ² / ndf 43.21 / 63
p0 −441.1 ± 414.6
pull
Entries 64
Mean −302.9
Std Dev 0

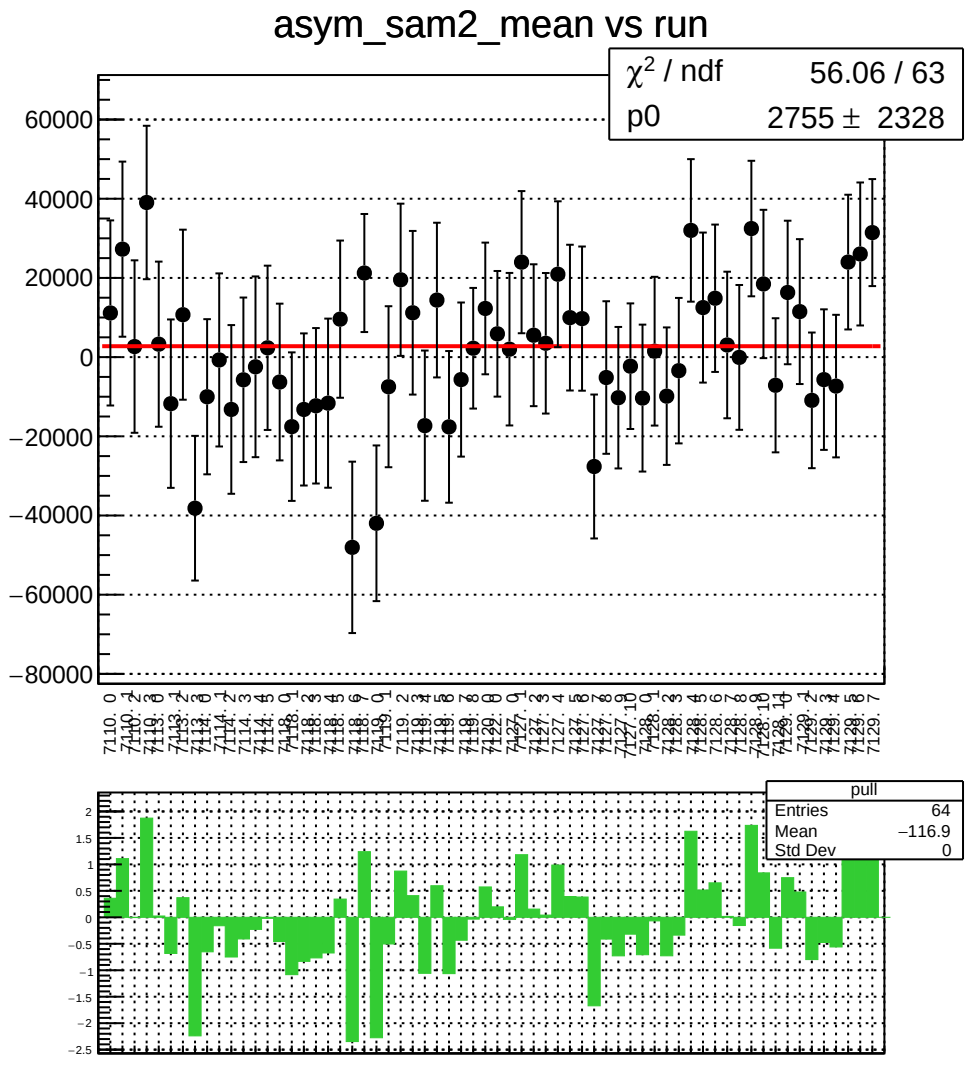

pull1D
Entries 64
Mean 0.008248
Std Dev 0.8217

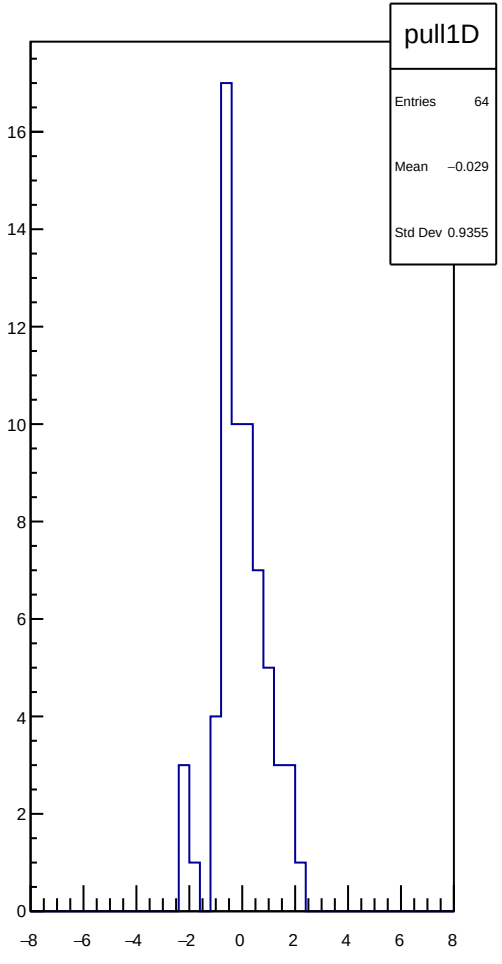

eigen_dit_asym_sam2_rms vs run
χ² / ndf 3079 / 63
p0 324.2 ± 0.2932
420
400
380
360
340
320
300

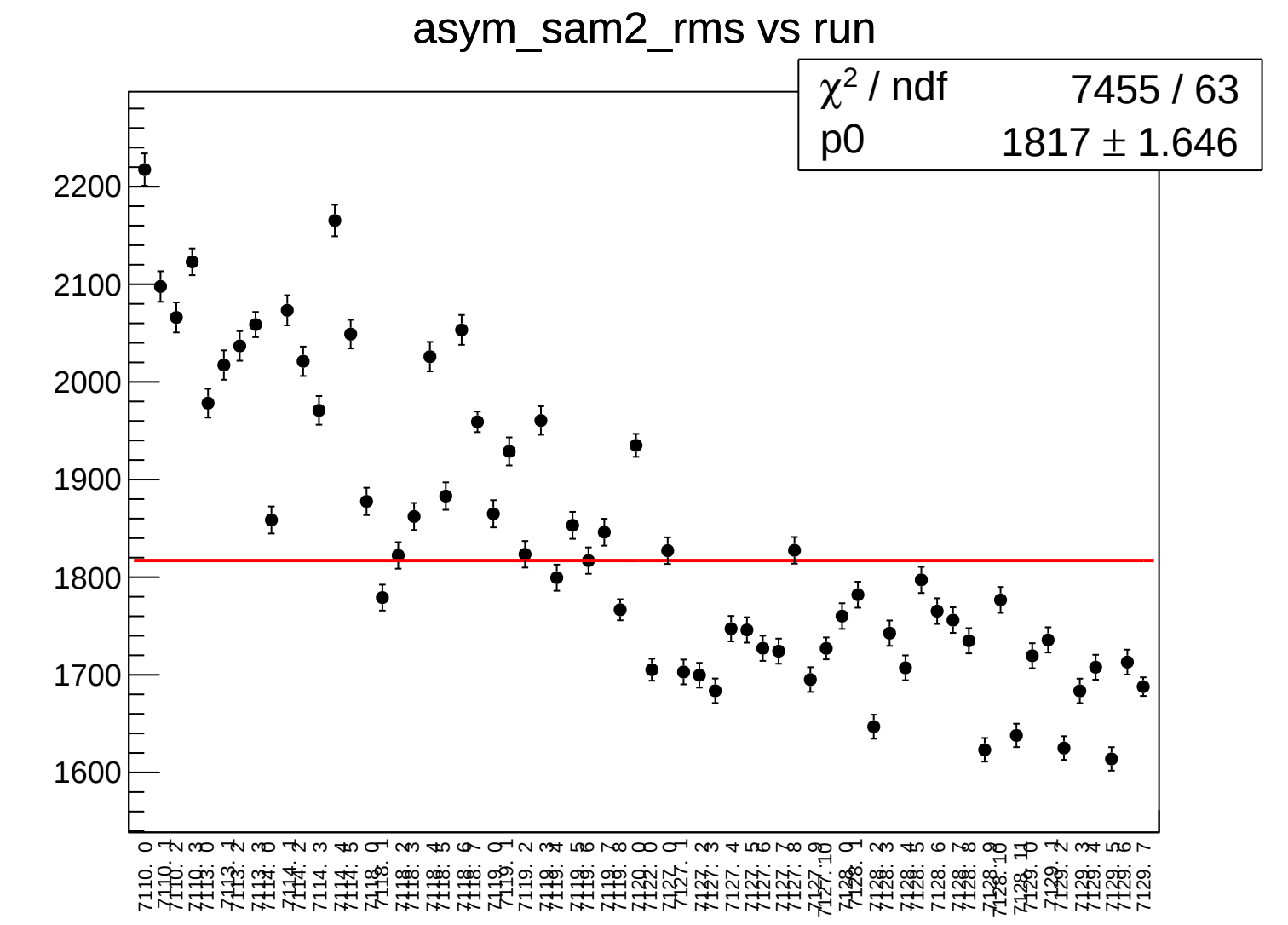

asym_sam2_eigen_dit_correction_mean vs run
χ² / ndf 58.52 / 63
p0 −3010 ± 2447
pull
Entries 64
Mean −163
Std Dev 0

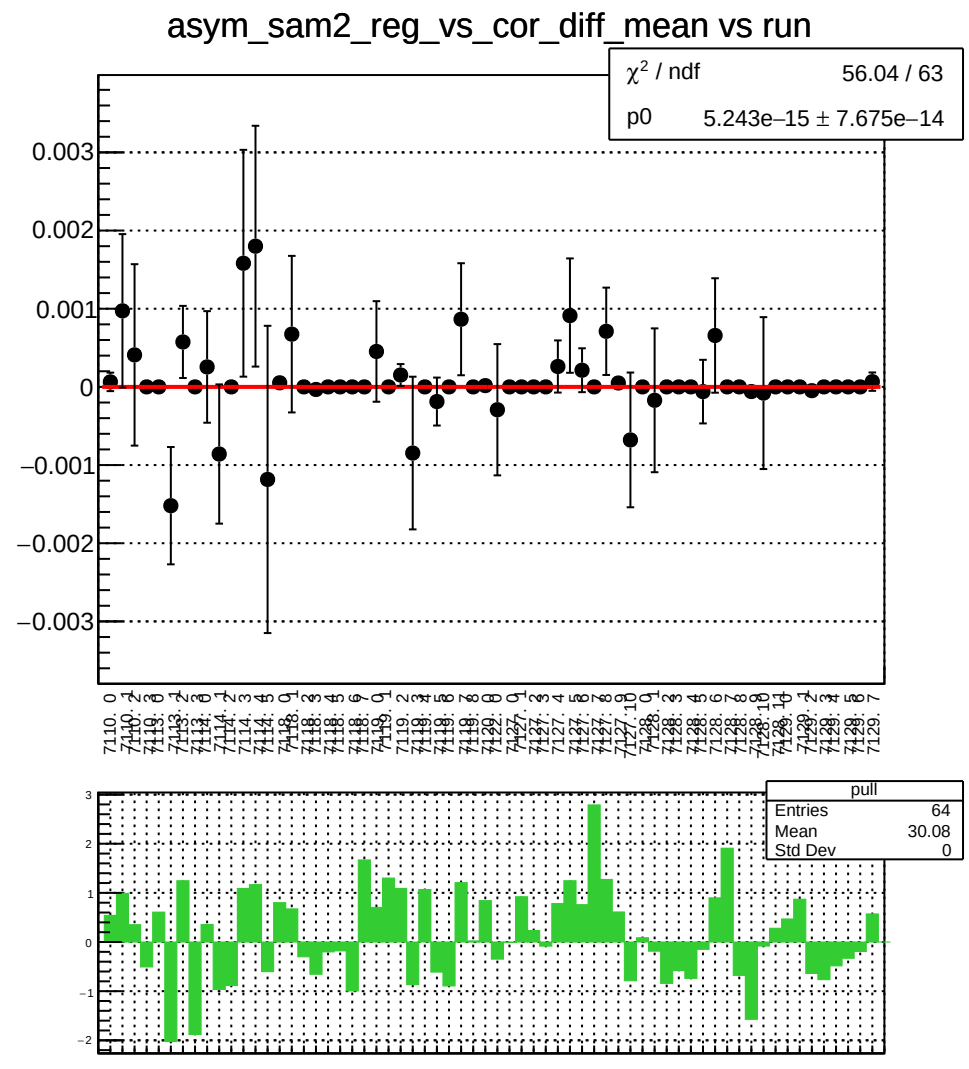

pull1D
Entries 64
Mean 0.02297
Std Dev 0.956

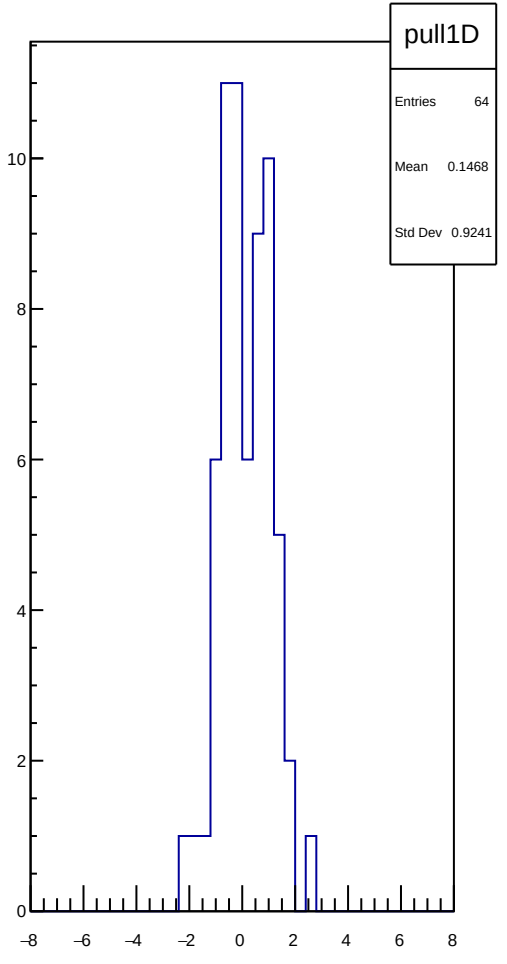

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 2973 / 63
p0 1914 ± 1.73
2200
2100
2000
1900
1800
1700

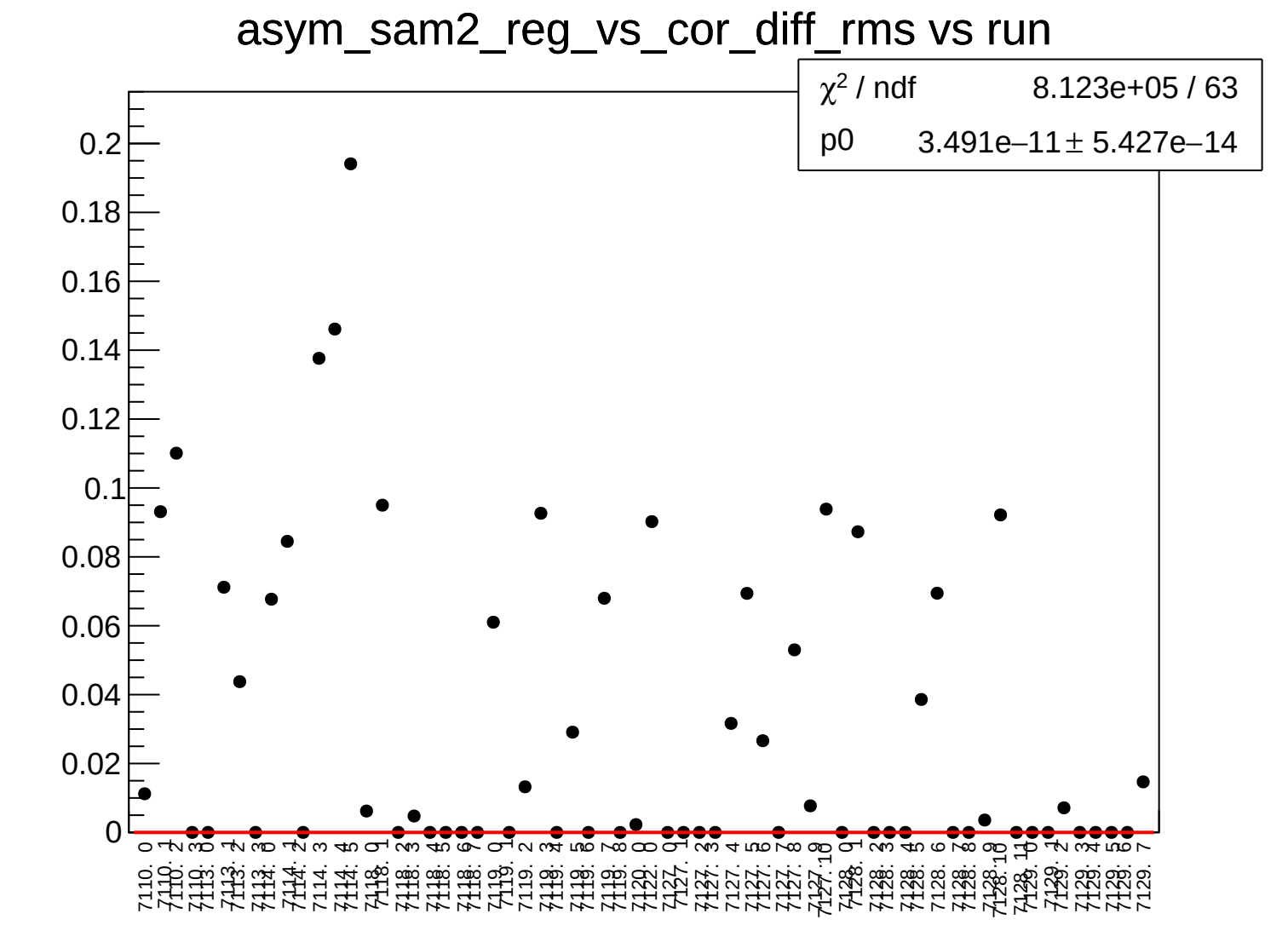

asym_sam2_mean vs run
χ² / ndf 56.06 / 63
p0 2755 ± 2328
pull
Entries 64
Mean −116.9
Std Dev 0

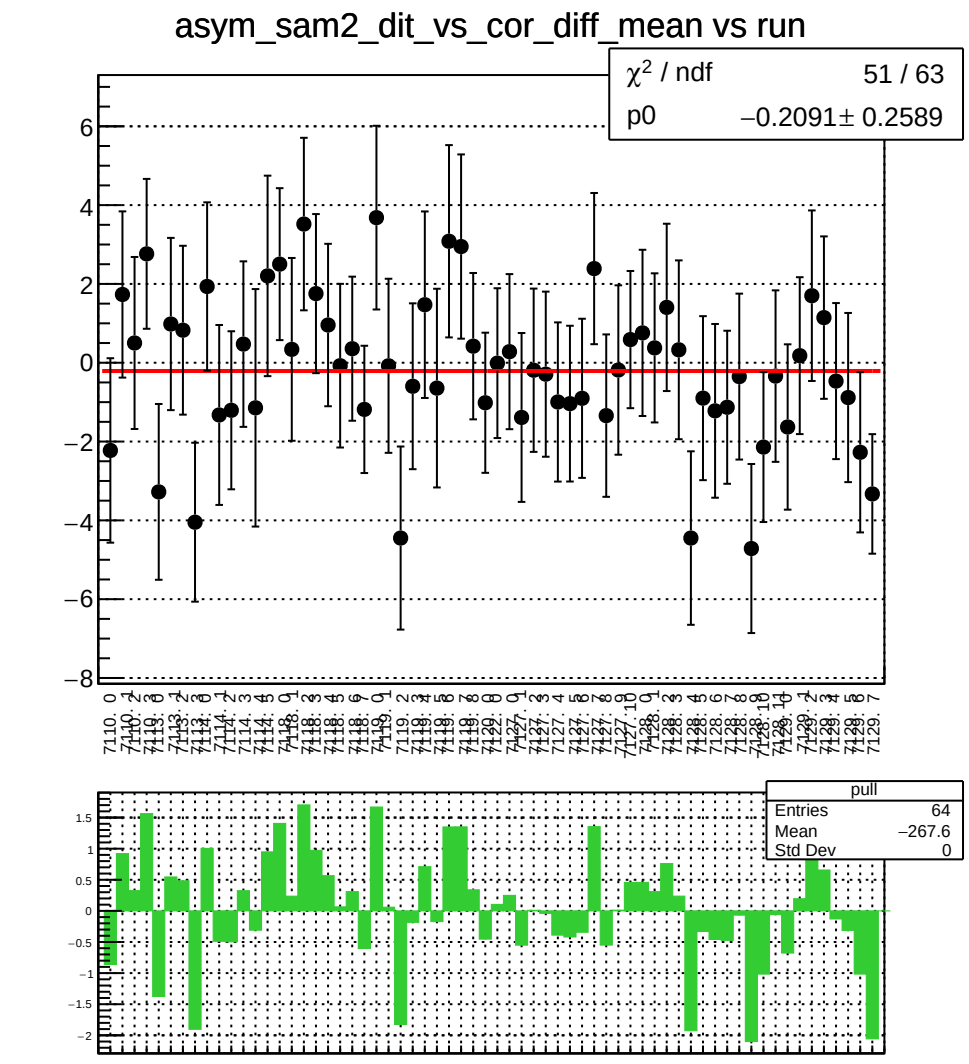

pull1D
Entries 64
Mean −0.029
Std Dev 0.9355

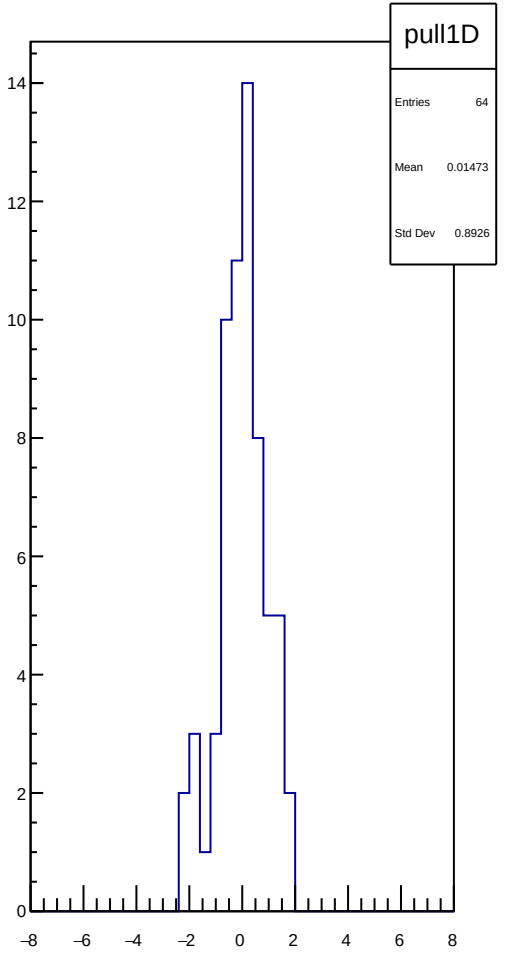

asym_sam2_rms vs run
χ^2 / ndf 7455 / 63
p0 1817 ± 1.646
2200
2100
2000
1900
1800
1700
1600

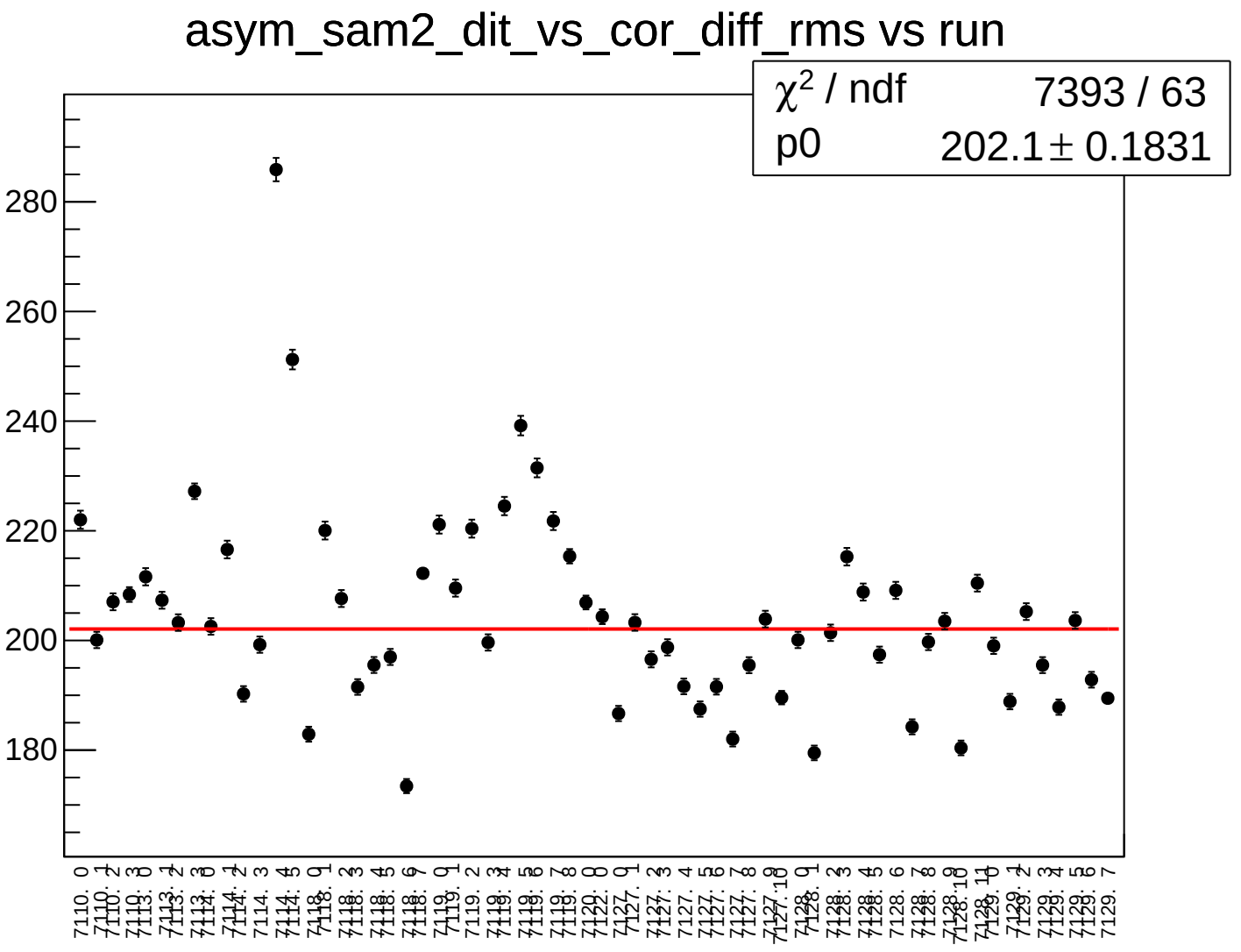

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 56.04 / 63
p0 5.243e−15 ± 7.675e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 64
Mean 30.08
Std Dev 0

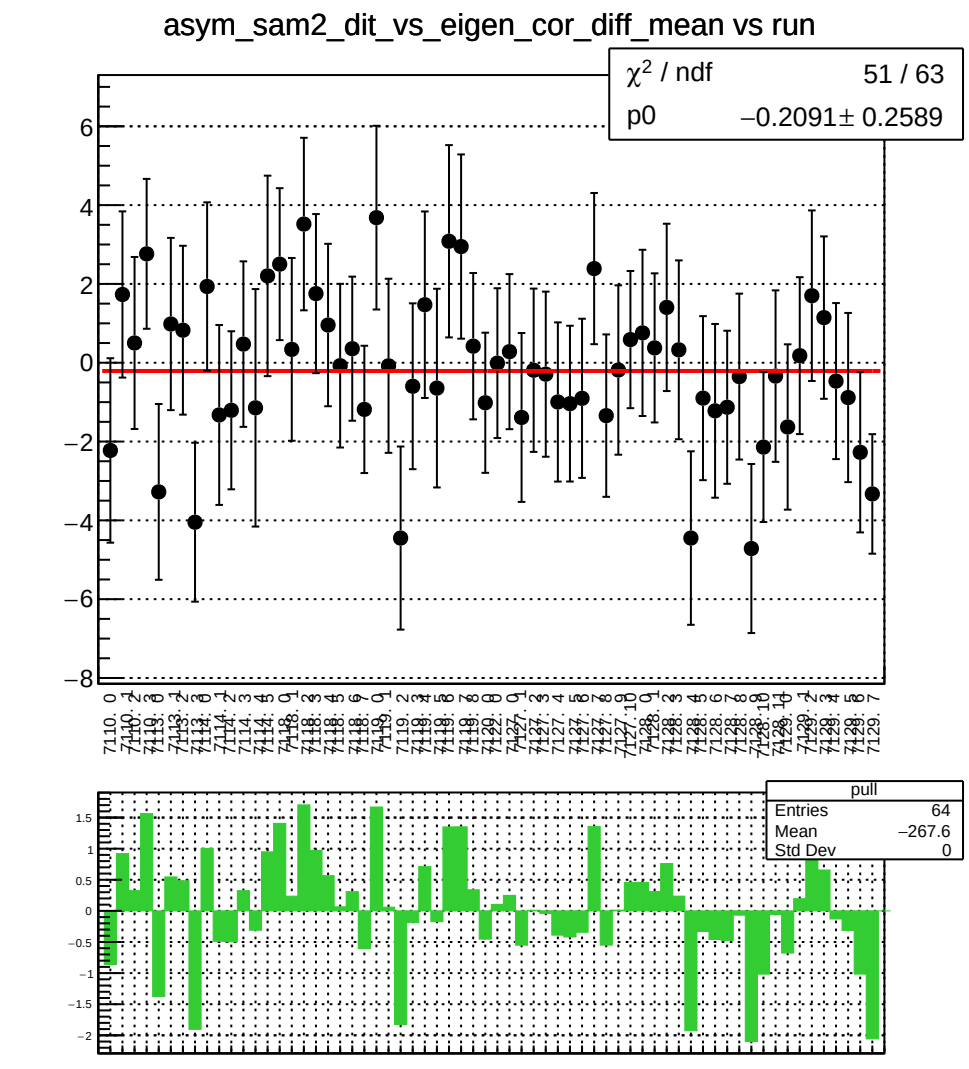

pull1D
Entries 64
Mean 0.1468
Std Dev 0.9241
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

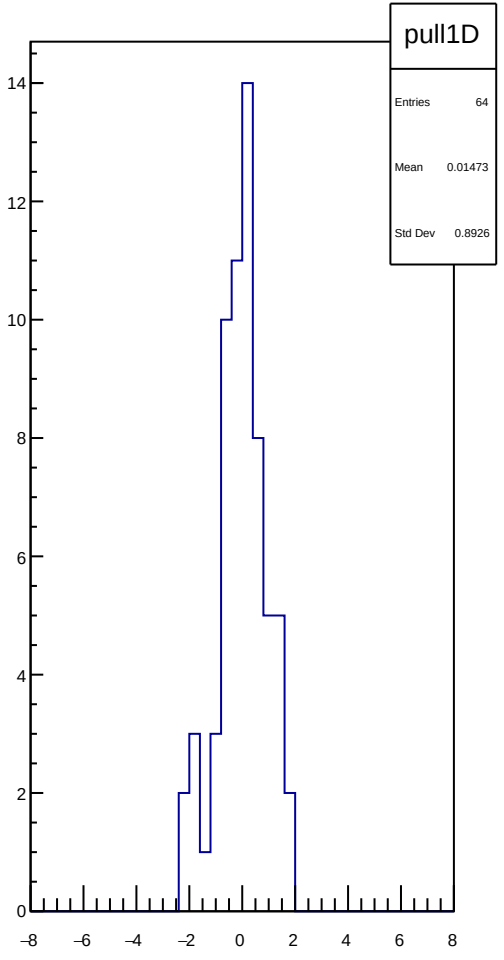

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.123e+05 / 63
p0 3.491e−11 ± 5.427e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

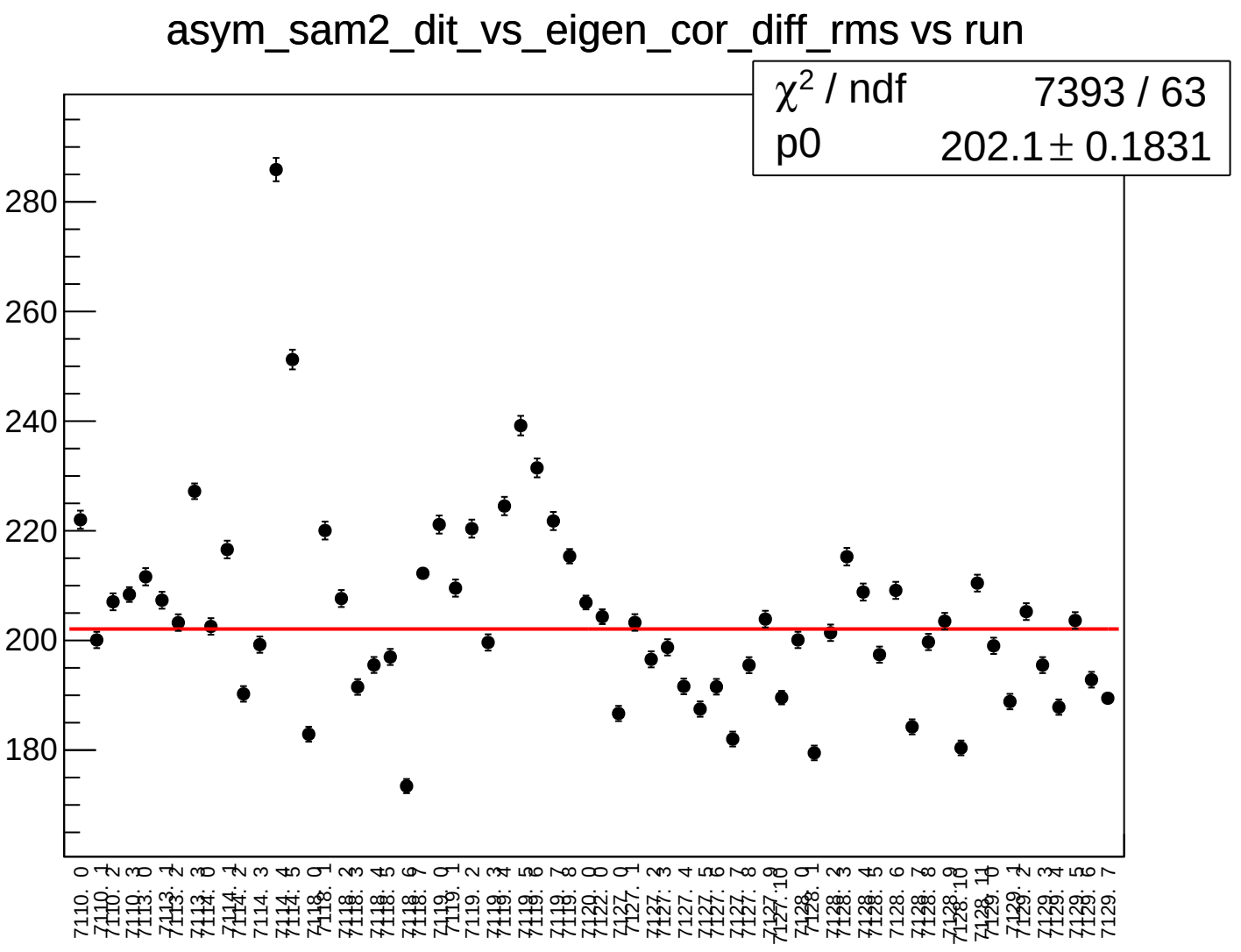

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 51 / 63
p0 −0.2091± 0.2589
pull
Entries 64
Mean −267.6
Std Dev 0

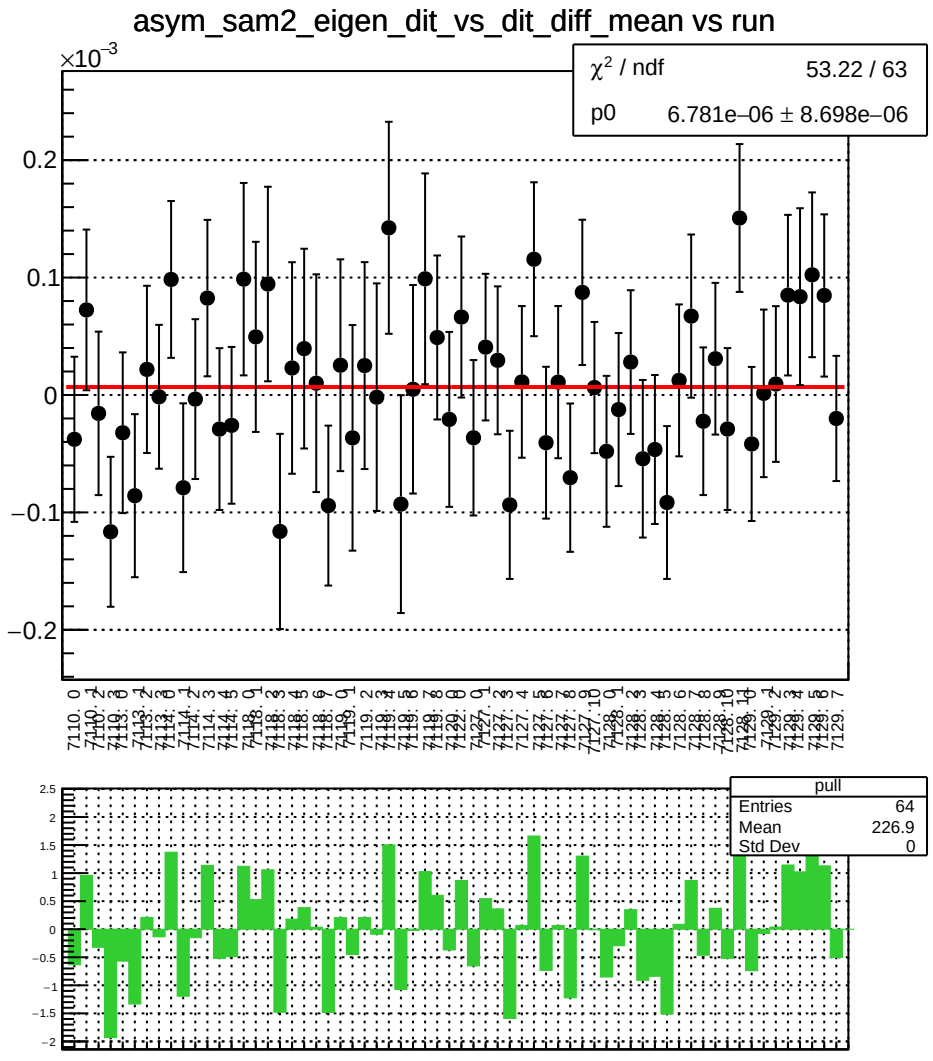

pull1D
Entries 64
Mean 0.01473
Std Dev 0.8926

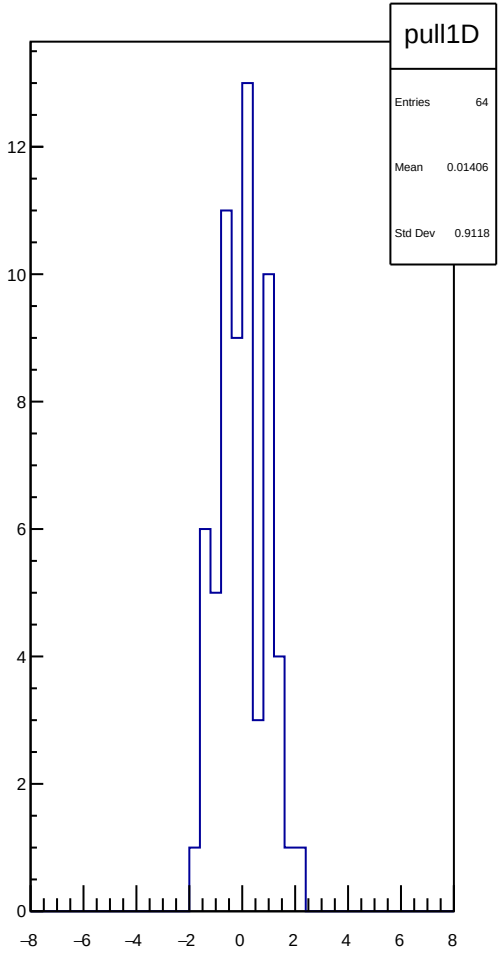

asym_sam2_dit_vs_cor_diff_rms vs run
χ^2 / ndf 7393 / 63
p0 202.1 ± 0.1831
280
260
240
220
200
180
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

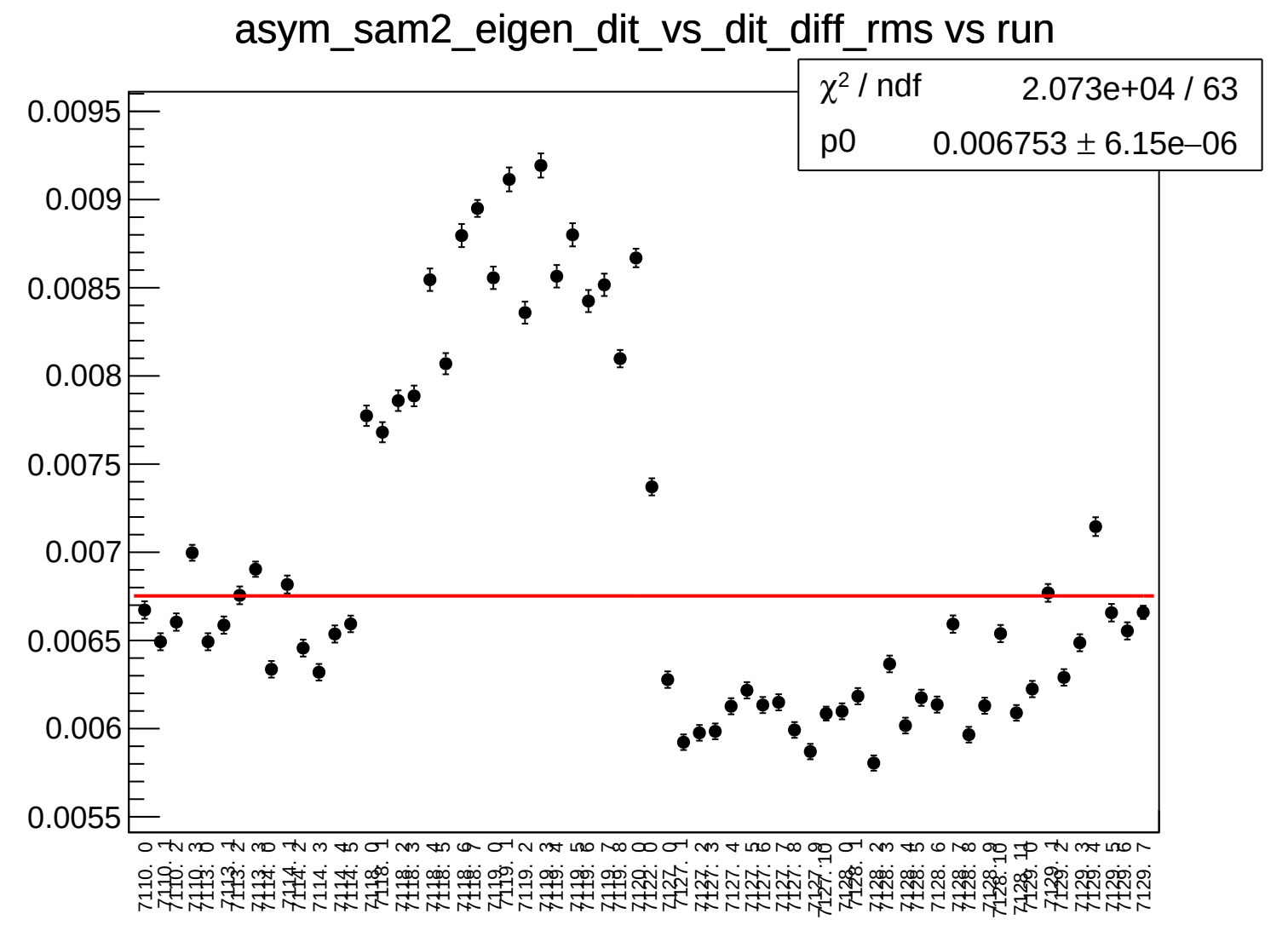

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51 / 63
p0 −0.2091± 0.2589
pull
Entries 64
Mean −267.6
Std Dev 0

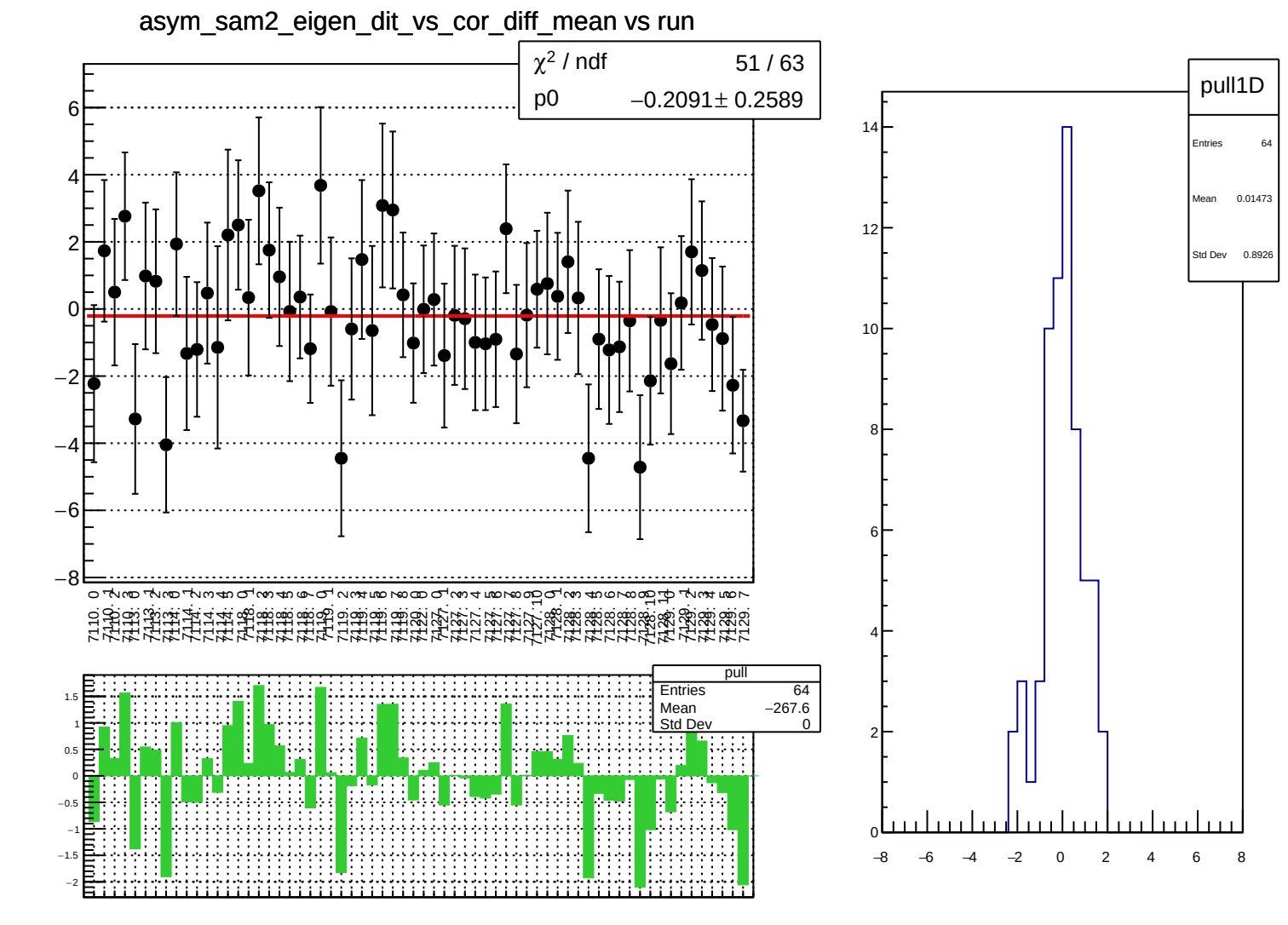

pull1D
Entries 64
Mean 0.01473
Std Dev 0.8926

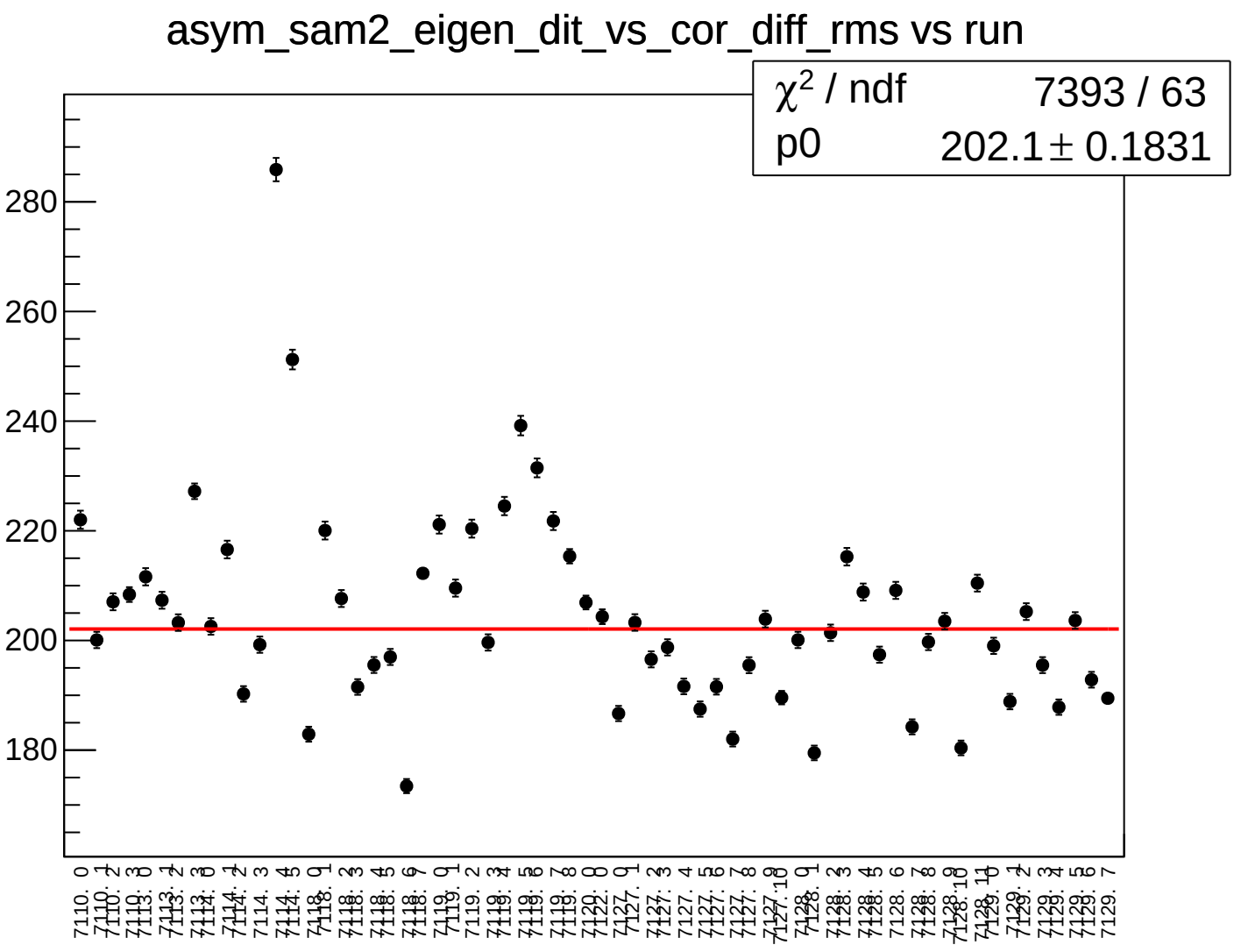

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7393 / 63
p0 202.1 ± 0.1831
280
260
240
220
200
180
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

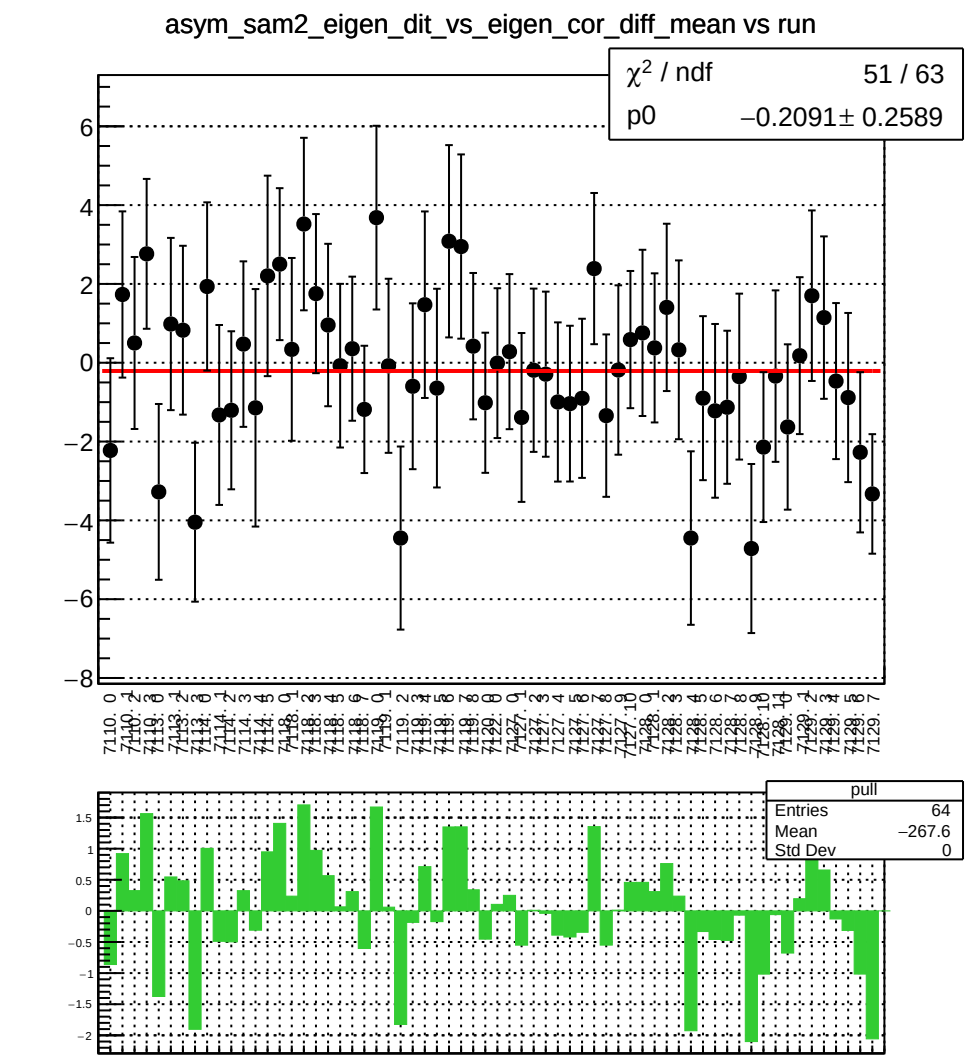

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.22 / 63
p0 6.781e−06 ± 8.698e−06
pull
Entries 64
Mean 226.9
Std Dev 0

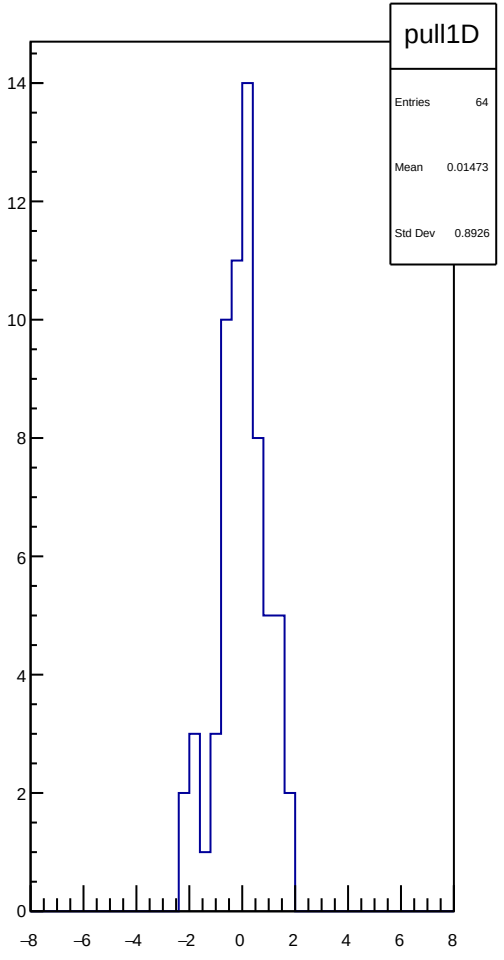

pull1D
Entries 64
Mean 0.01406
Std Dev 0.9118

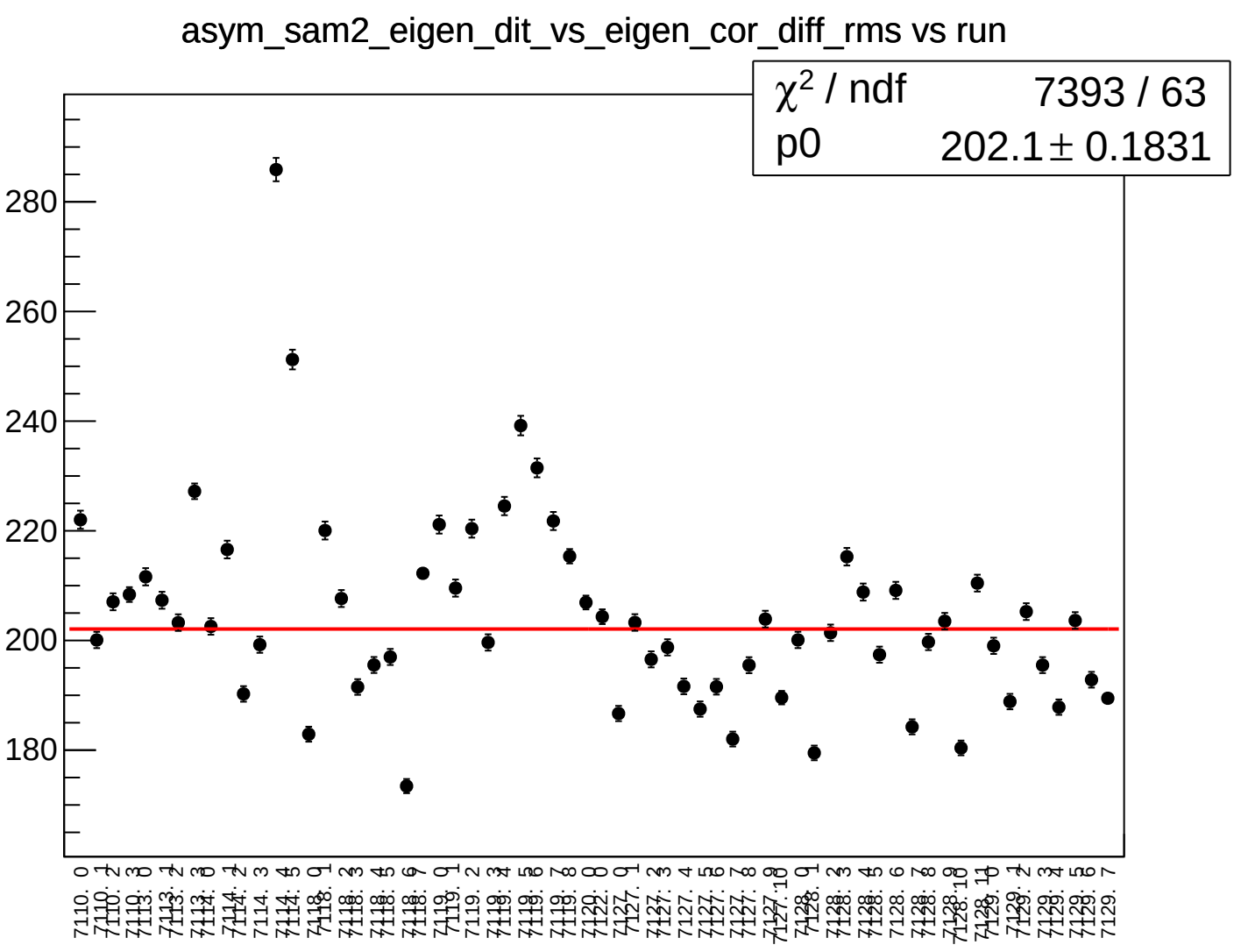

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.073e+04 / 63
p0 0.006753 ± 6.15e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055

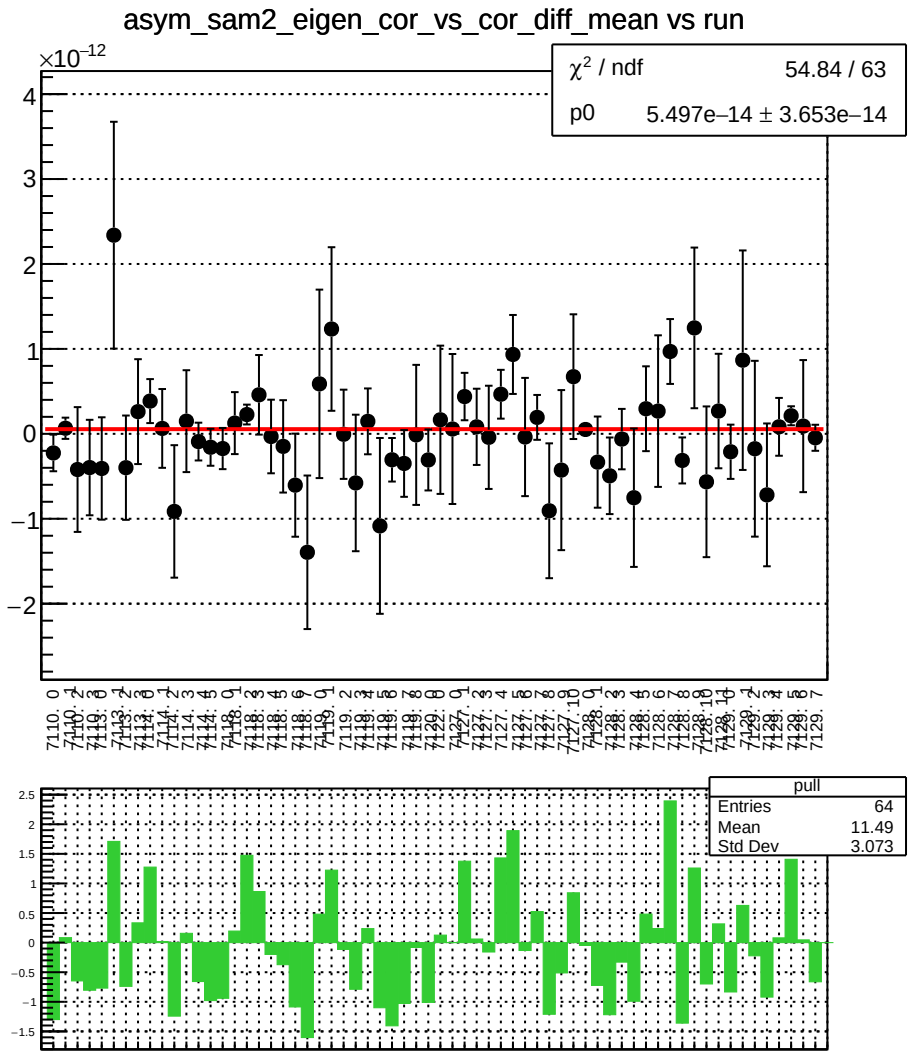

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51 / 63
p0 −0.2091± 0.2589
pull
Entries 64
Mean −267.6
Std Dev 0
pull1D
Entries 64
Mean 0.01473
Std Dev 0.8926

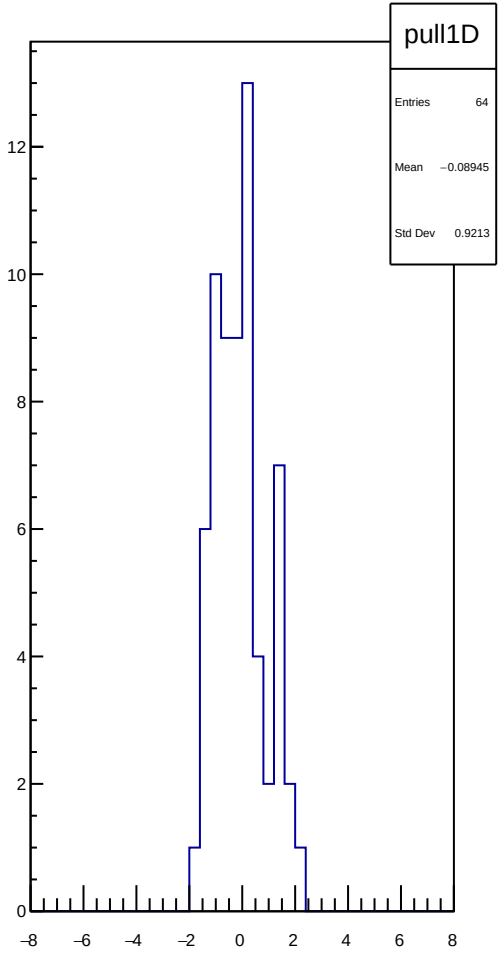

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7393 / 63
p0 202.1 ± 0.1831
280
260
240
220
200
180

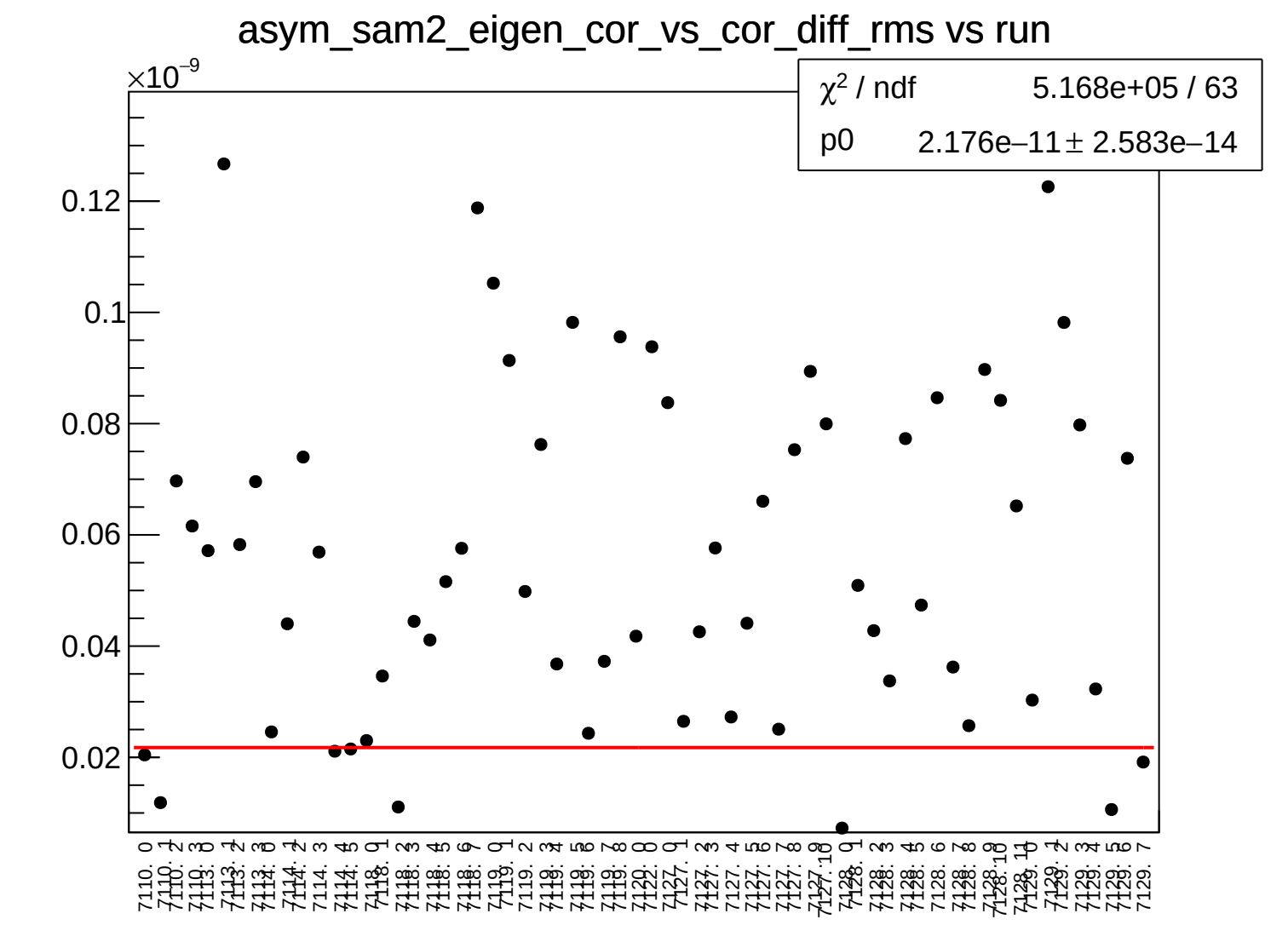

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51 / 63
p0 −0.2091± 0.2589
pull
Entries 64
Mean −267.6
Std Dev 0

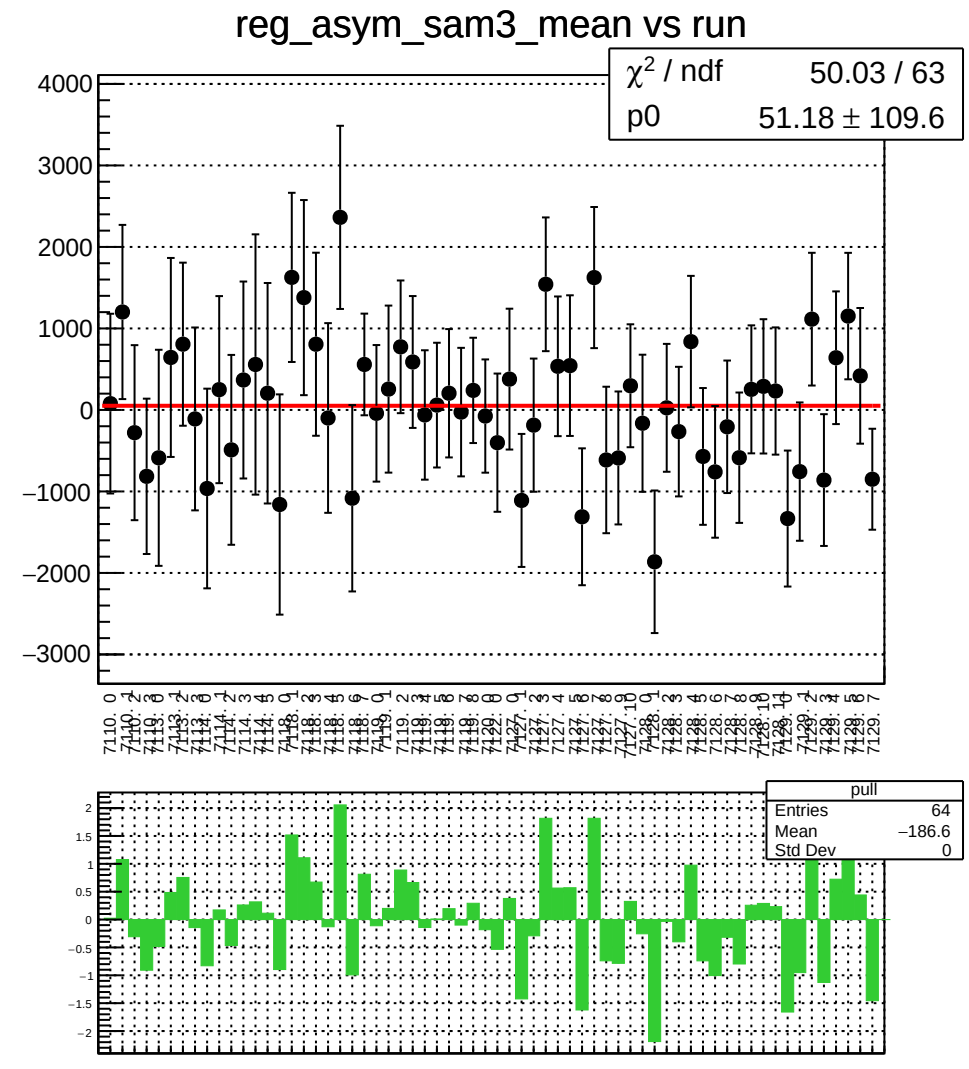

pull1D
Entries 64
Mean 0.01473
Std Dev 0.8926

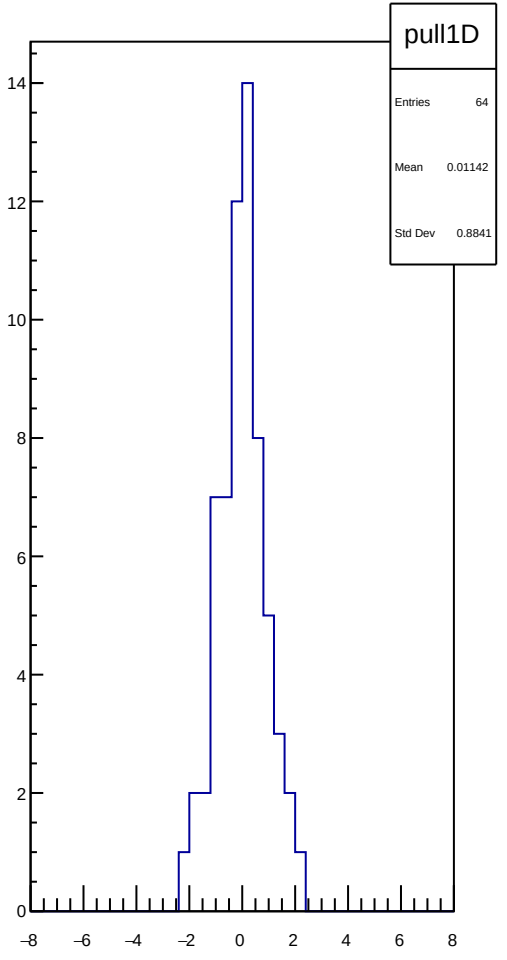

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7393 / 63
p0 202.1 ± 0.1831
280
260
240
220
200
180

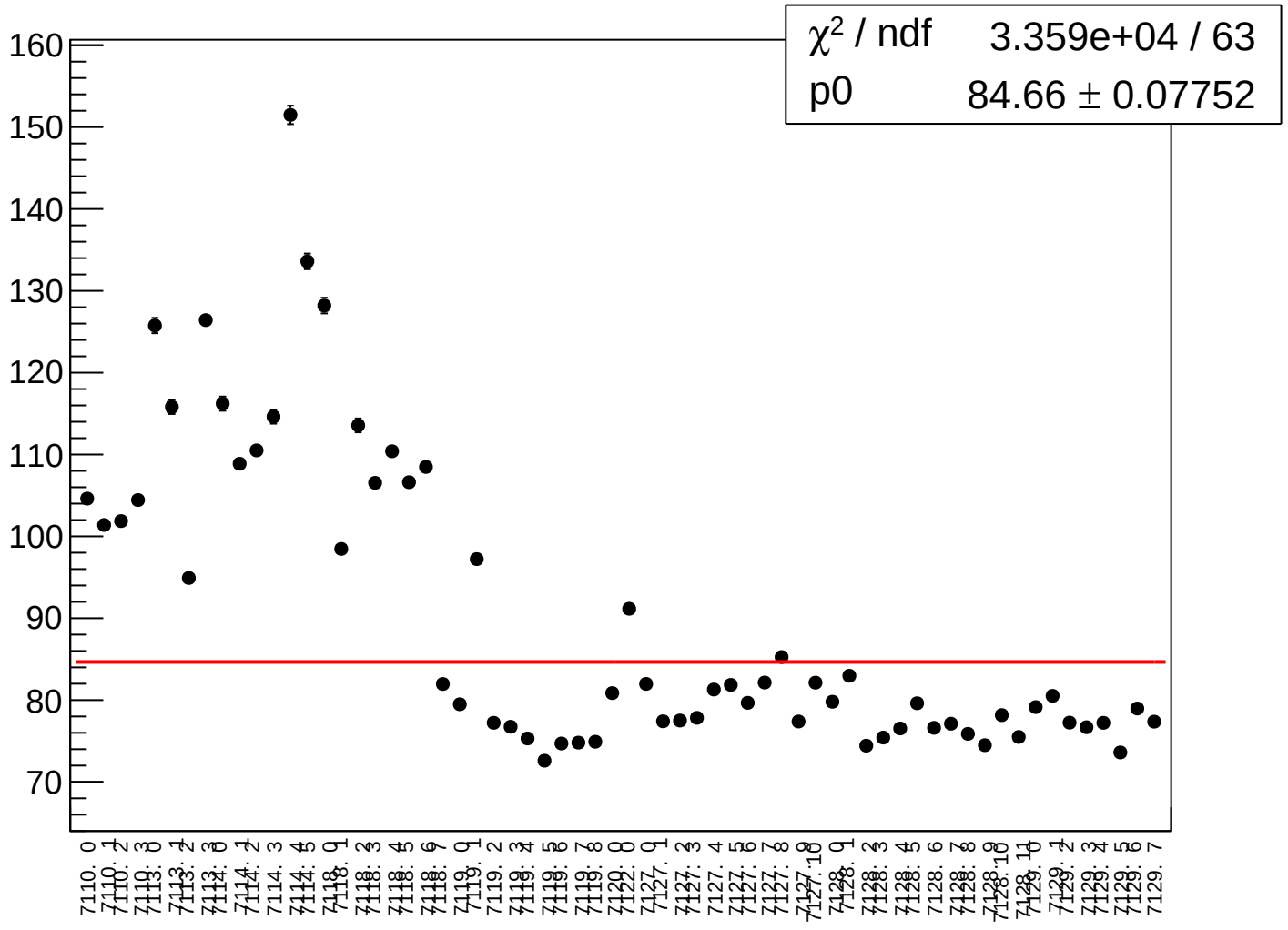

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.84 / 63
p0 5.497e−14 ± 3.653e−14
pull
Entries 64
Mean 11.49
Std Dev 3.073

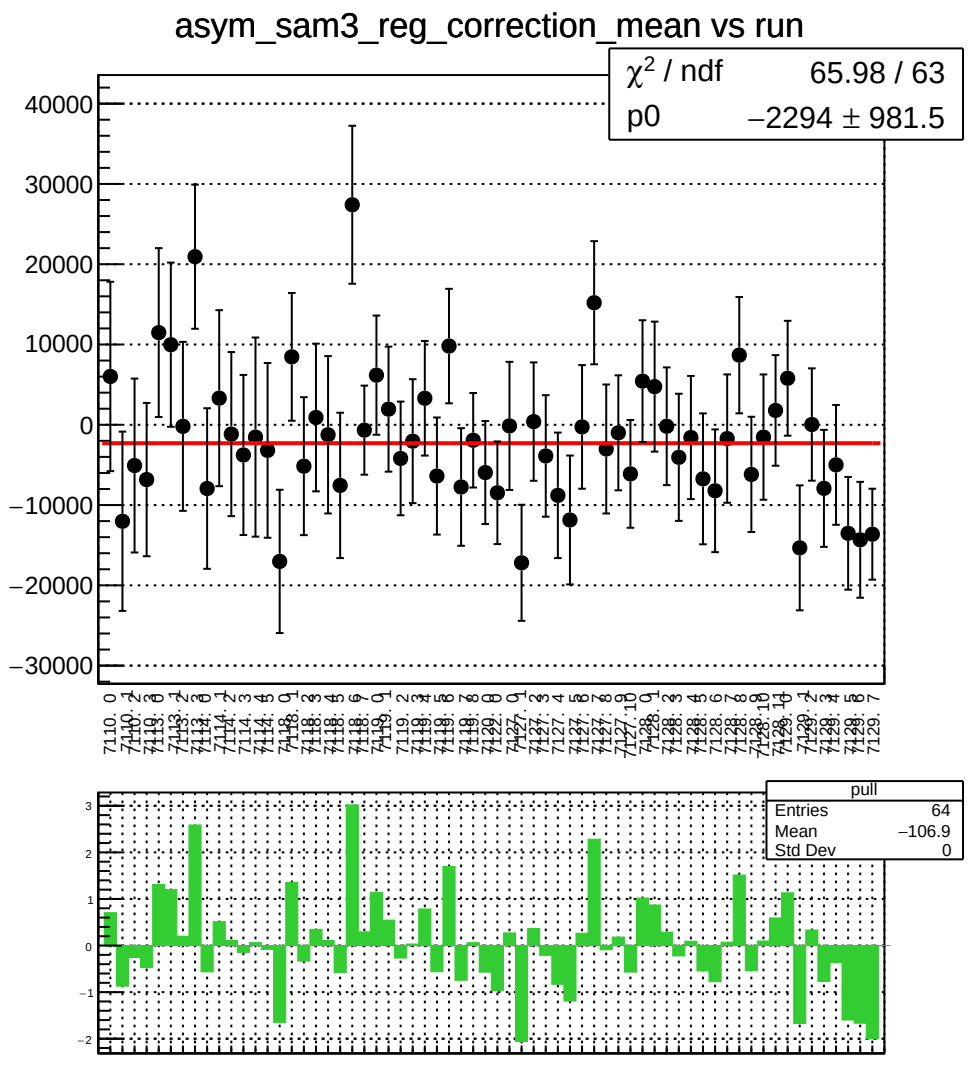

pull1D
Entries 64
Mean −0.08945
Std Dev 0.9213

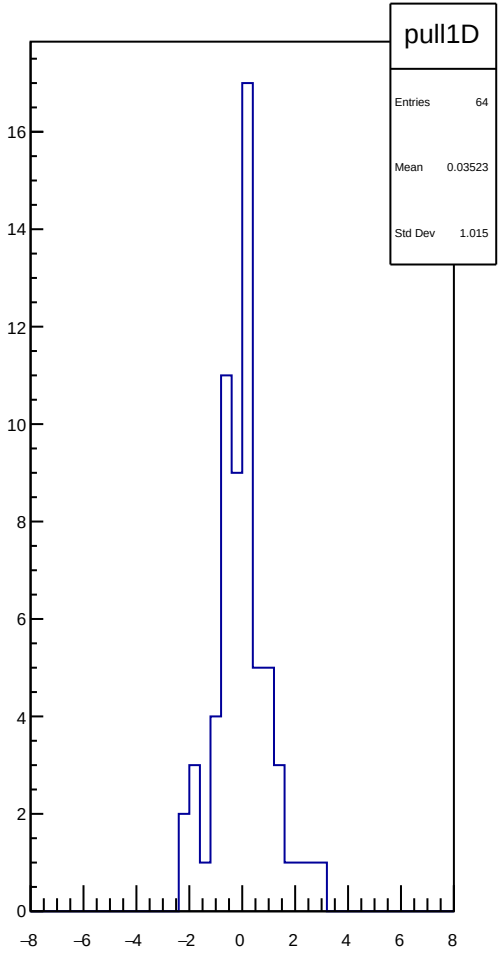

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.168e+05 / 63
p0 2.176e−11 ± 2.583e−14
0.12
0.1
0.08
0.06
0.04
0.02

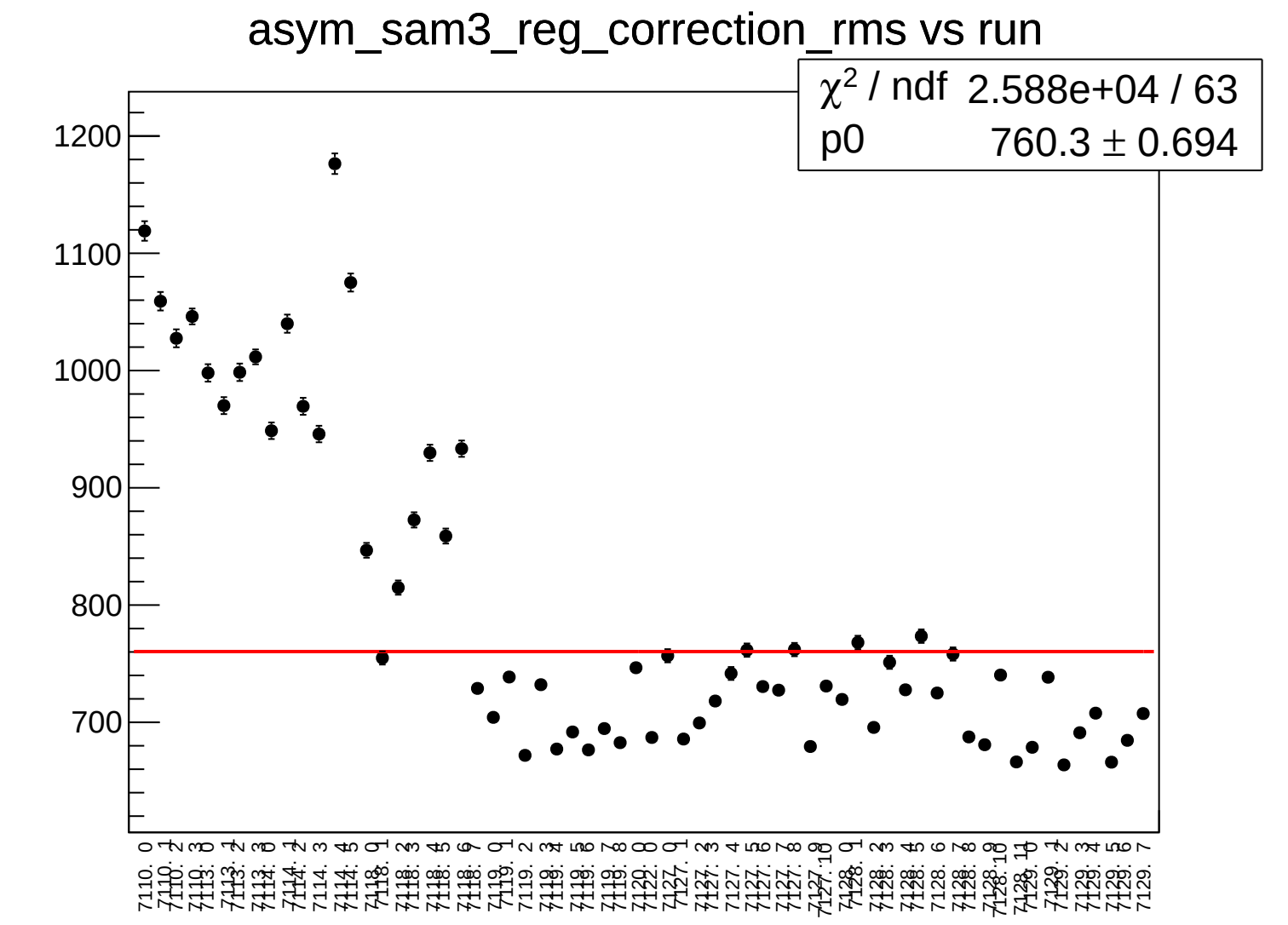

reg_asym_sam3_mean vs run
χ² / ndf 50.03 / 63
p0 51.18 ± 109.6
pull
Entries 64
Mean −186.6
Std Dev 0

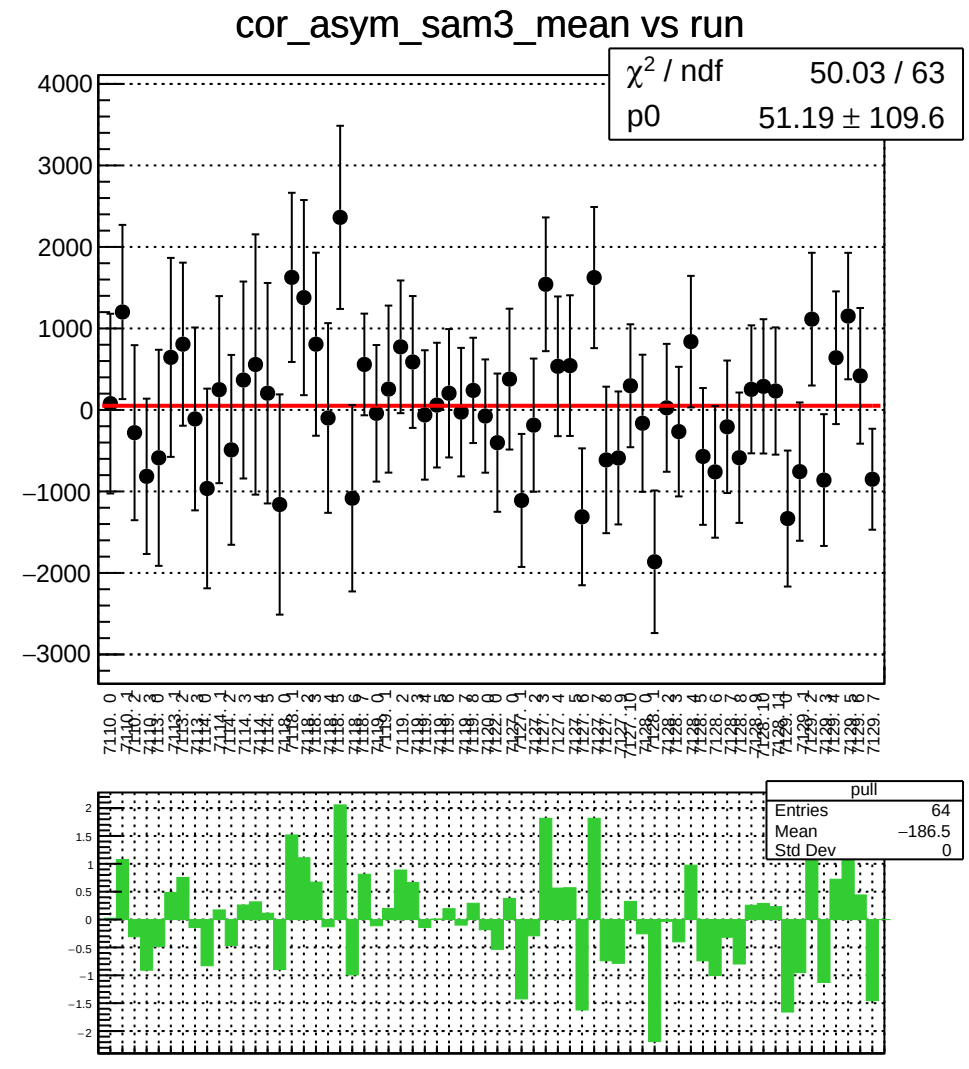

pull1D
Entries 64
Mean 0.01142
Std Dev 0.8841

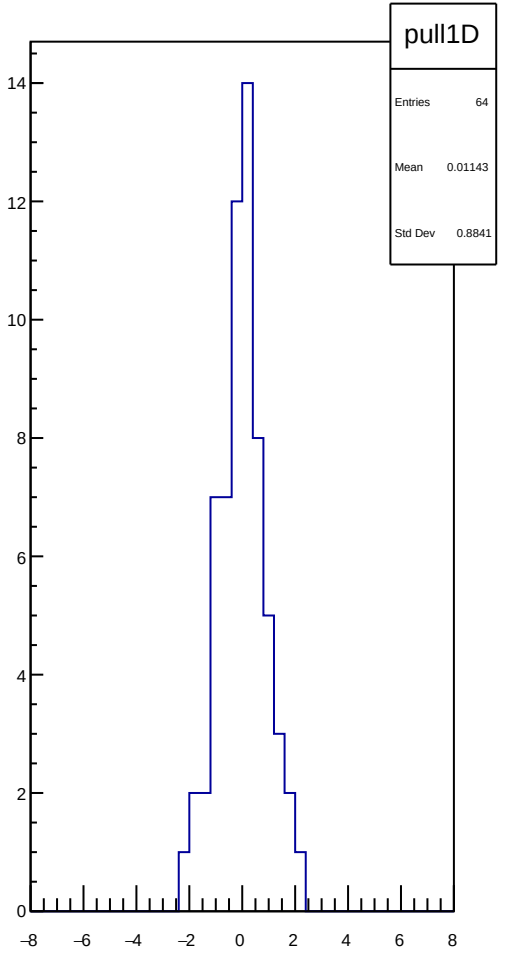

reg_asym_sam3_rms vs run
χ² / ndf 3.359e+04 / 63
p0 84.66 ± 0.07752
160
150
140
130
120
110
100
90
80
70

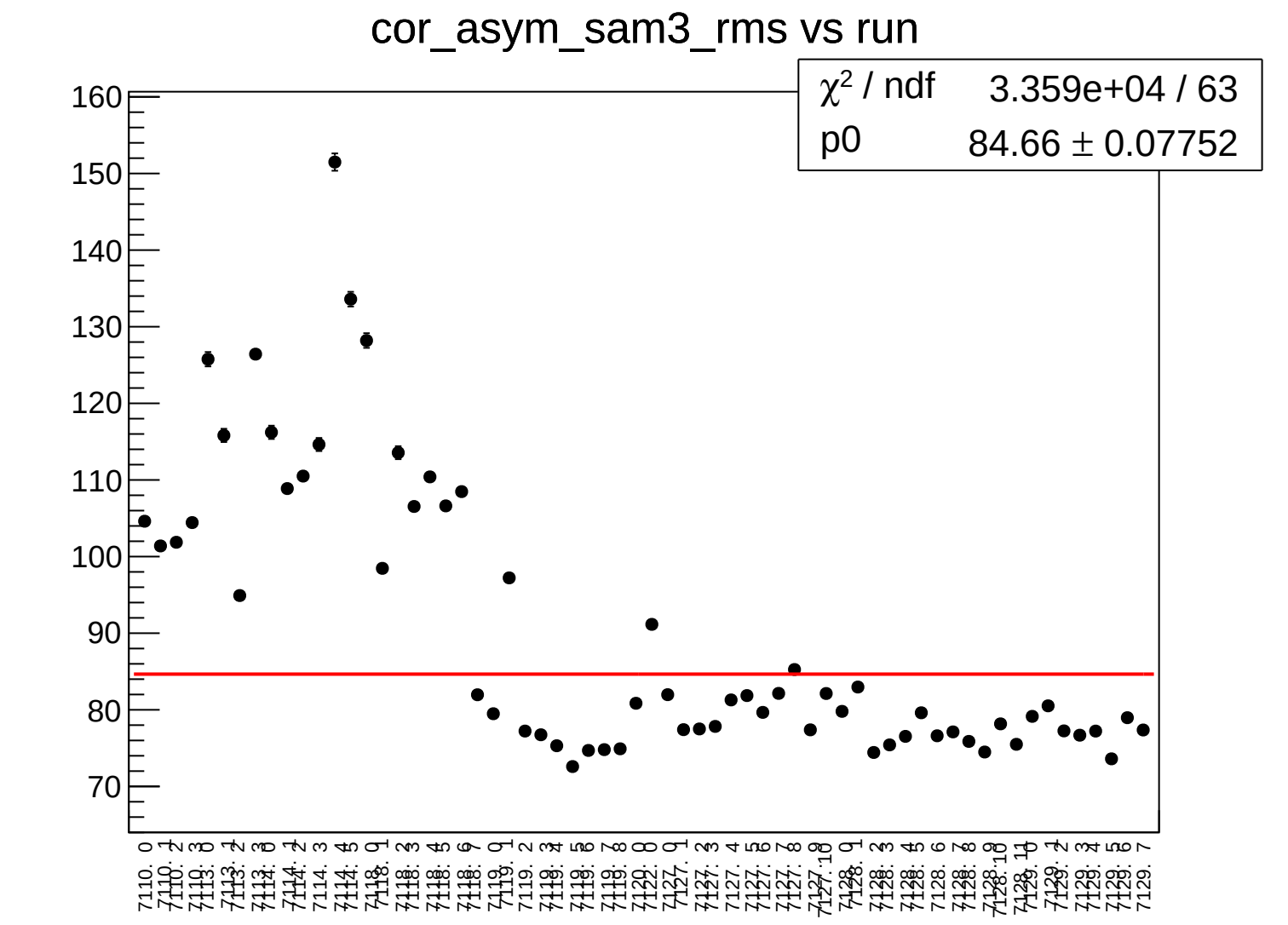

asym_sam3_reg_correction_mean vs run
χ² / ndf 65.98 / 63
p0 −2294 ± 981.5
pull
Entries 64
Mean −106.9
Std Dev 0

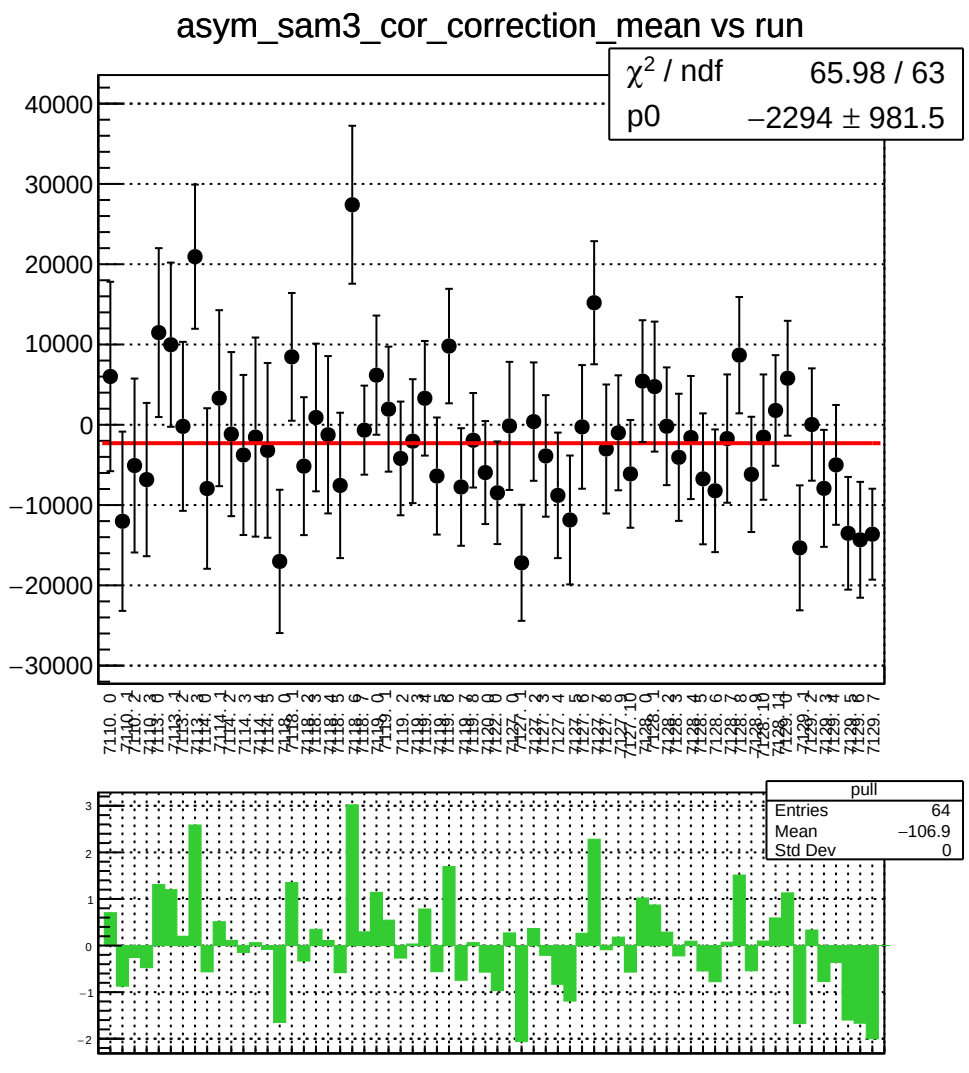

pull1D
Entries 64
Mean 0.03523
Std Dev 1.015

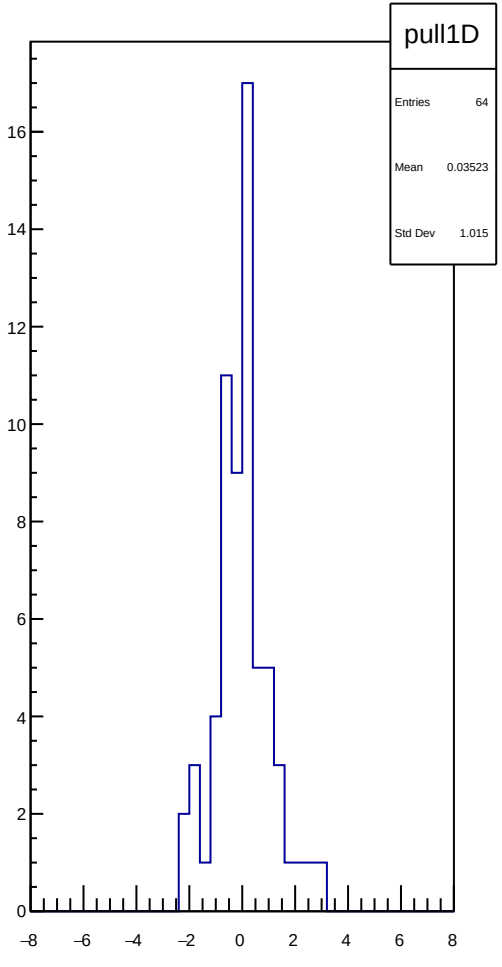

asym_sam3_reg_correction_rms vs run
χ² / ndf 2.588e+04 / 63
p0 760.3 ± 0.694
1200
1100
1000
900
800
700

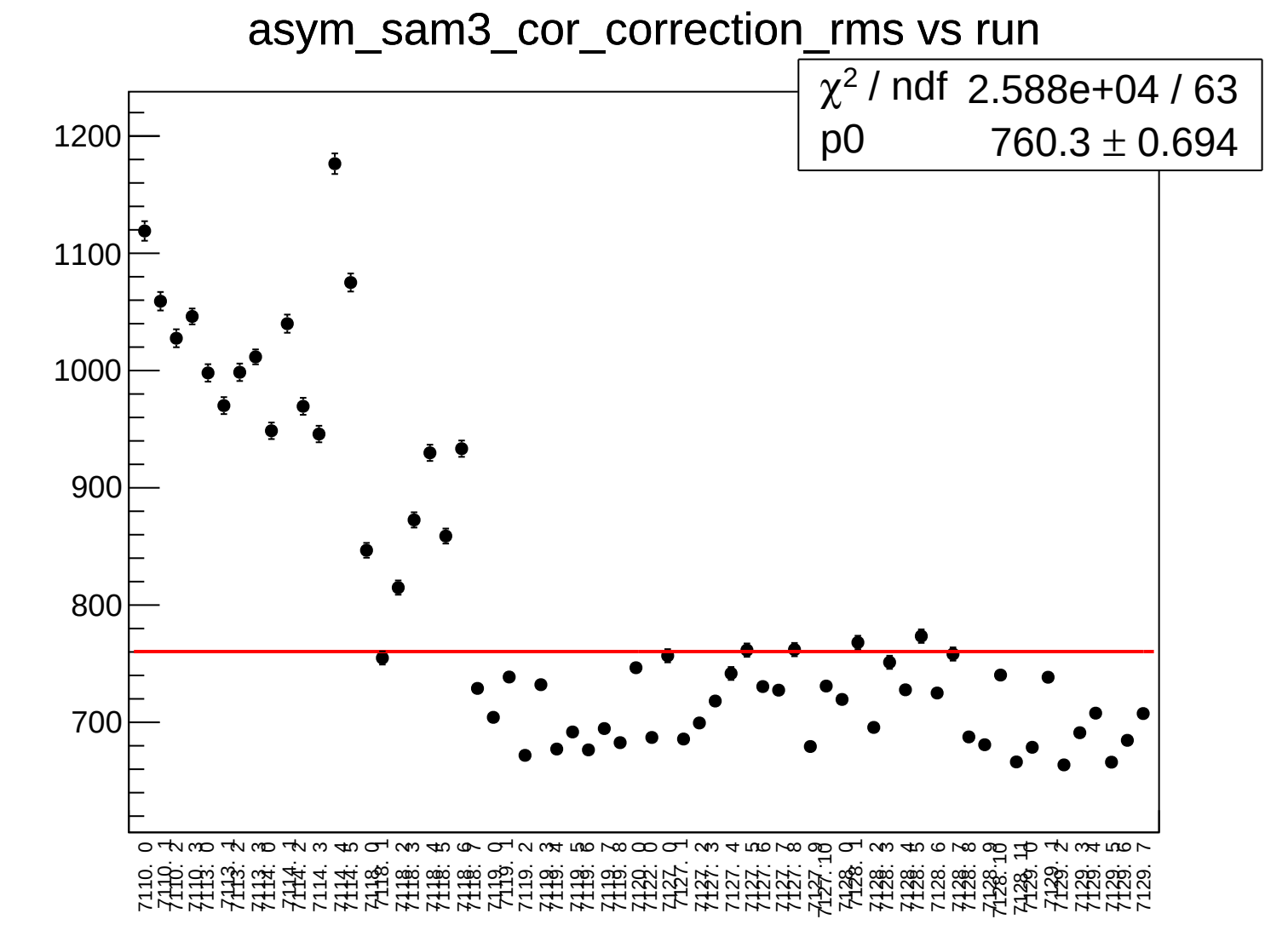

cor_asym_sam3_mean vs run
χ² / ndf 50.03 / 63
p0 51.19 ± 109.6
pull
Entries 64
Mean −186.5
Std Dev 0

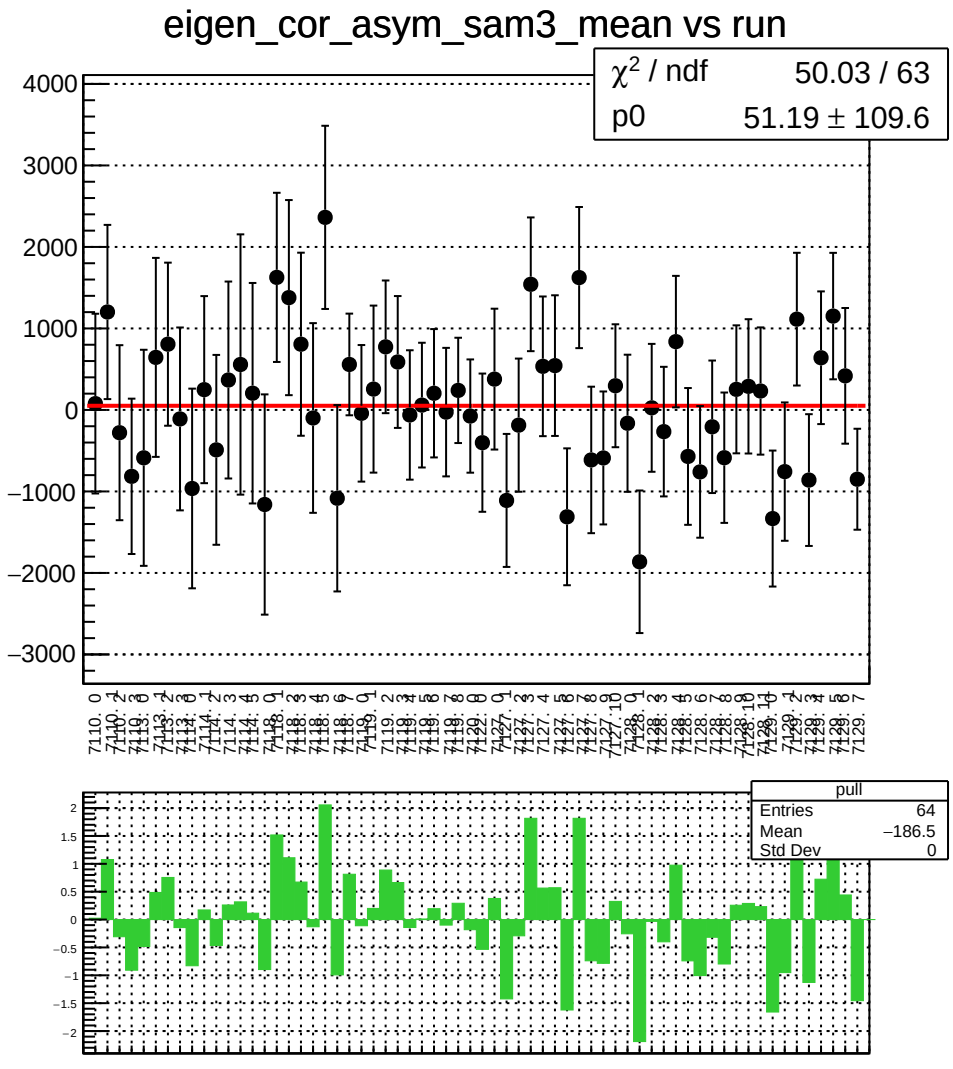

pull1D
Entries 64
Mean 0.01143
Std Dev 0.8841

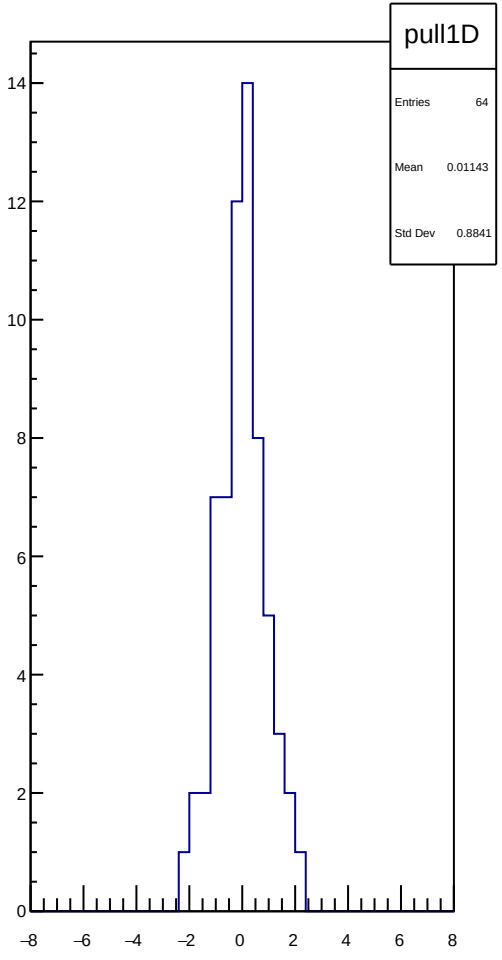

cor_asym_sam3_rms vs run
χ² / ndf 3.359e+04 / 63
p0 84.66 ± 0.07752
160
150
140
130
120
110
100
90
80
70

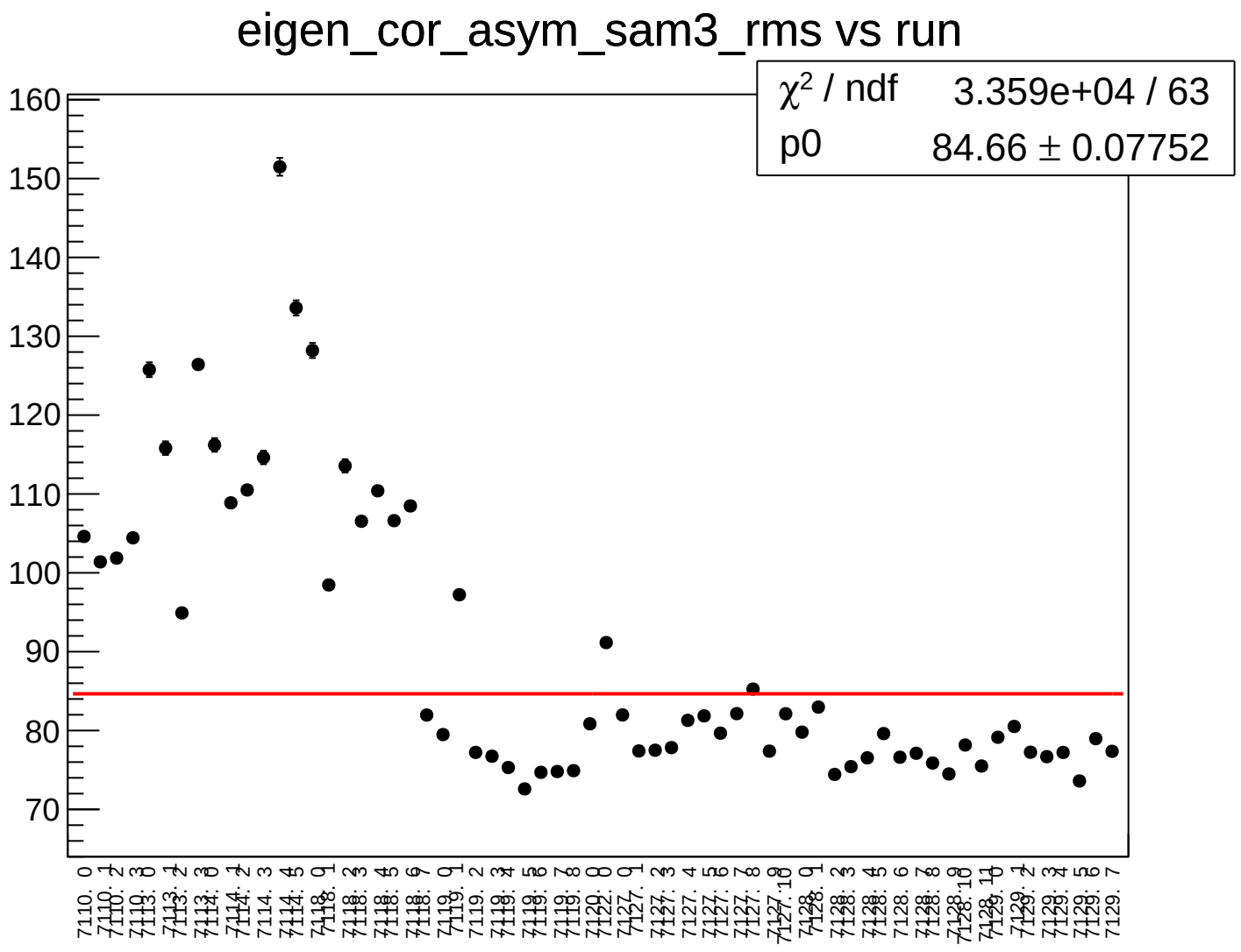

asym_sam3_cor_correction_mean vs run
χ² / ndf 65.98 / 63
p0 −2294 ± 981.5
pull
Entries 64
Mean −106.9
Std Dev 0

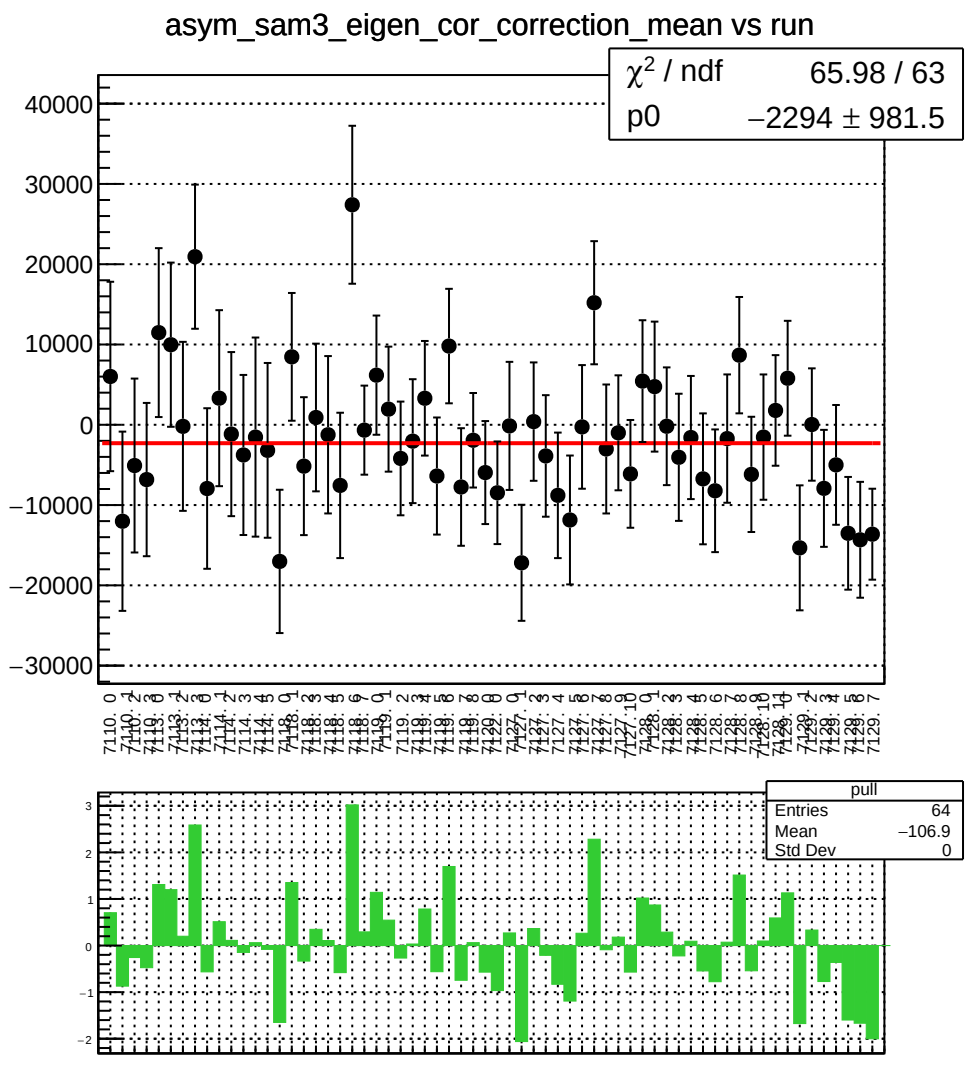

pull1D
Entries 64
Mean 0.03523
Std Dev 1.015

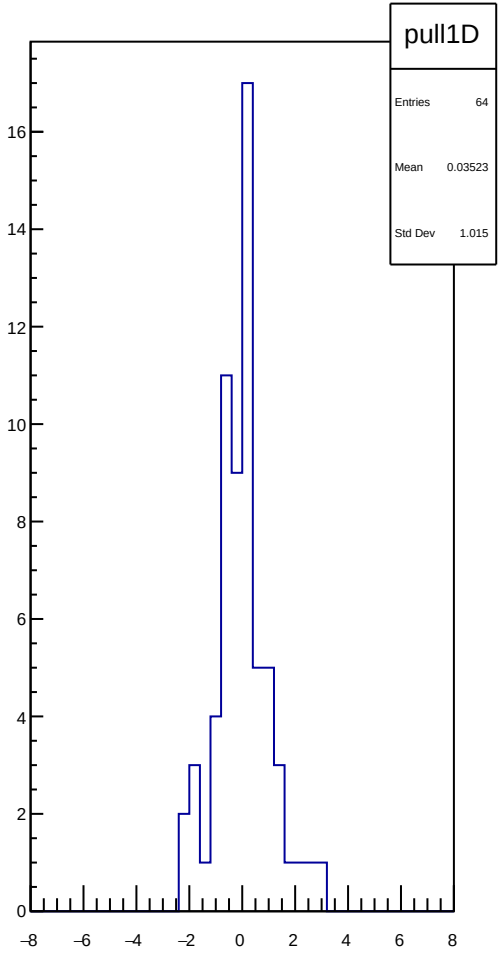

asym_sam3_cor_correction_rms vs run
χ² / ndf 2.588e+04 / 63
p0 760.3 ± 0.694
1200
1100
1000
900
800
700

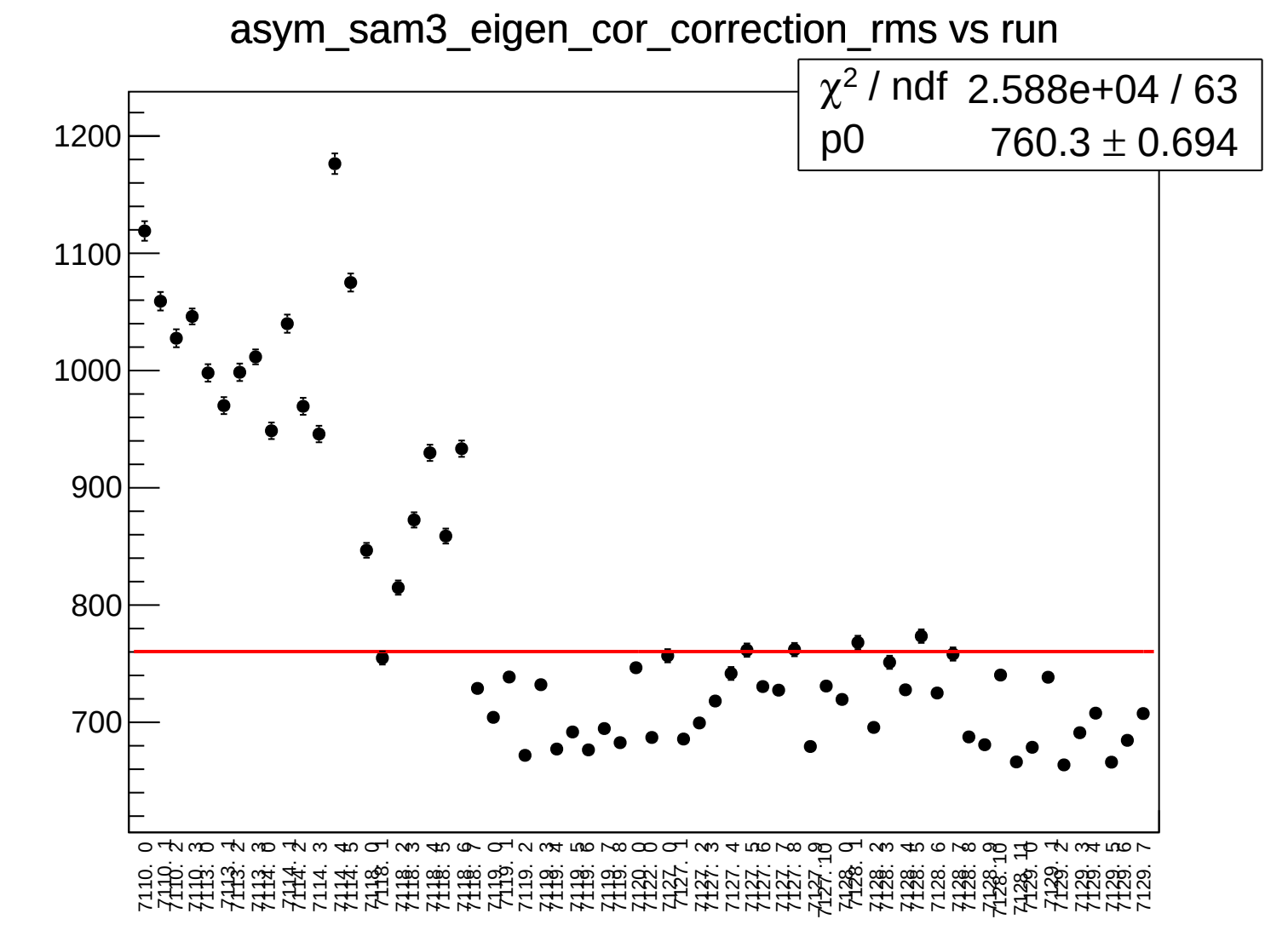

eigen_cor_asym_sam3_mean vs run
χ² / ndf 50.03 / 63
p0 51.19 ± 109.6
pull
Entries 64
Mean −186.5
Std Dev 0

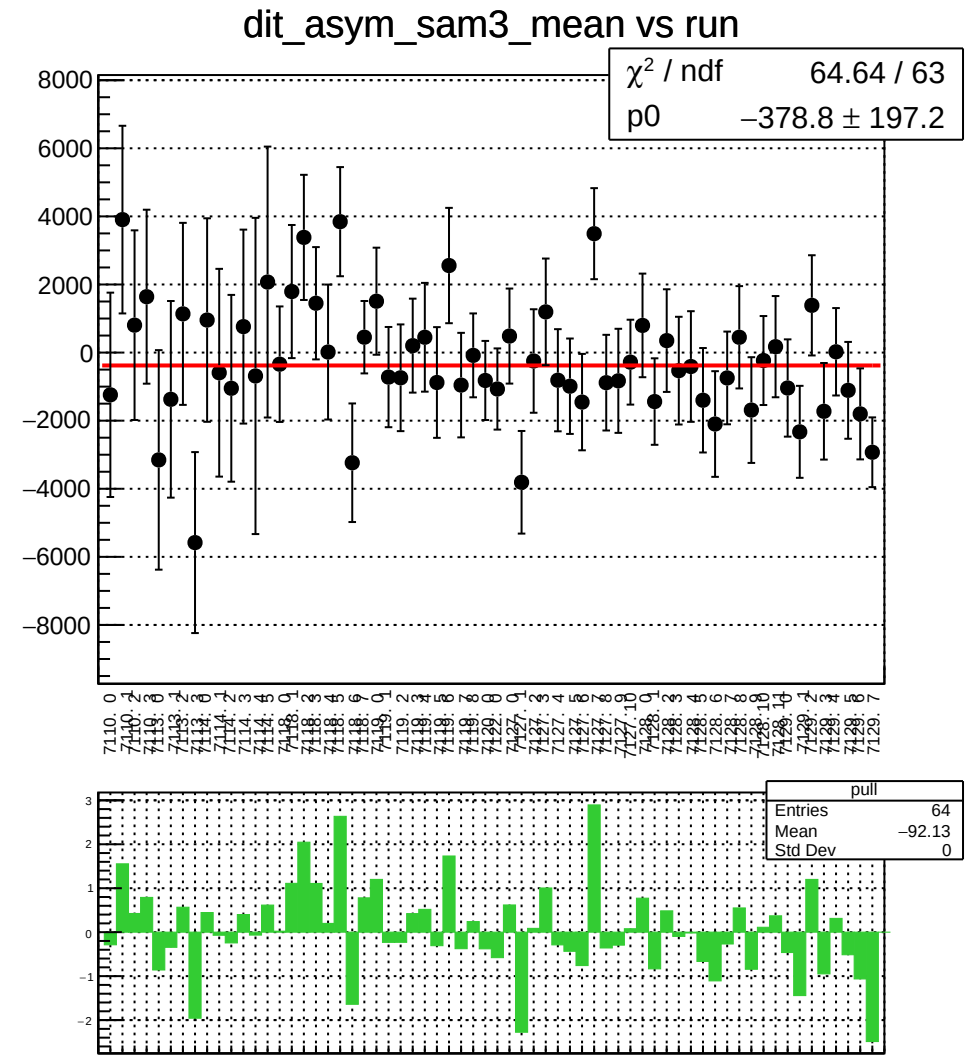

pull1D
Entries 64
Mean 0.01143
Std Dev 0.8841

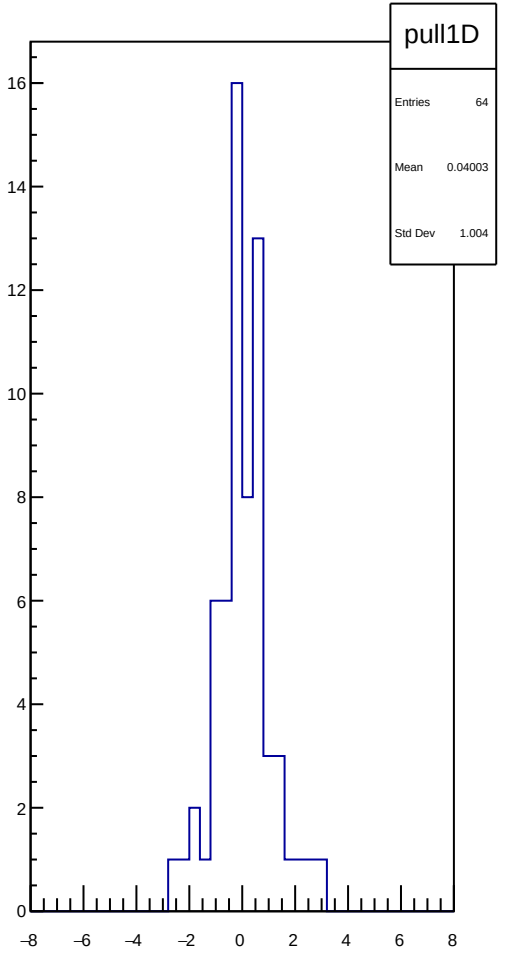

eigen_cor_asym_sam3_rms vs run
χ² / ndf 3.359e+04 / 63
p0 84.66 ± 0.07752
160
150
140
130
120
110
100
90
80
70

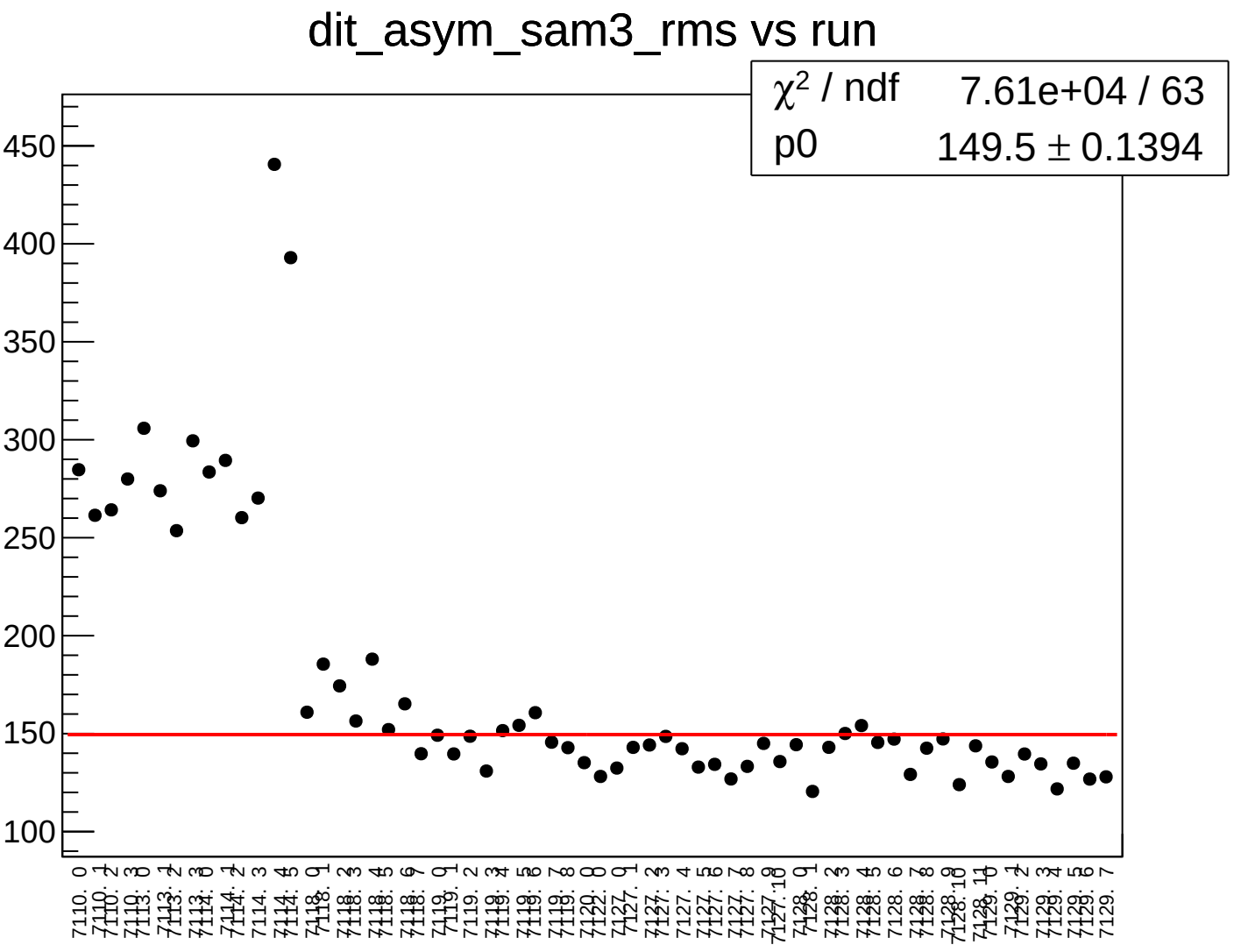

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 65.98 / 63
p0 −2294 ± 981.5
pull
Entries 64
Mean −106.9
Std Dev 0

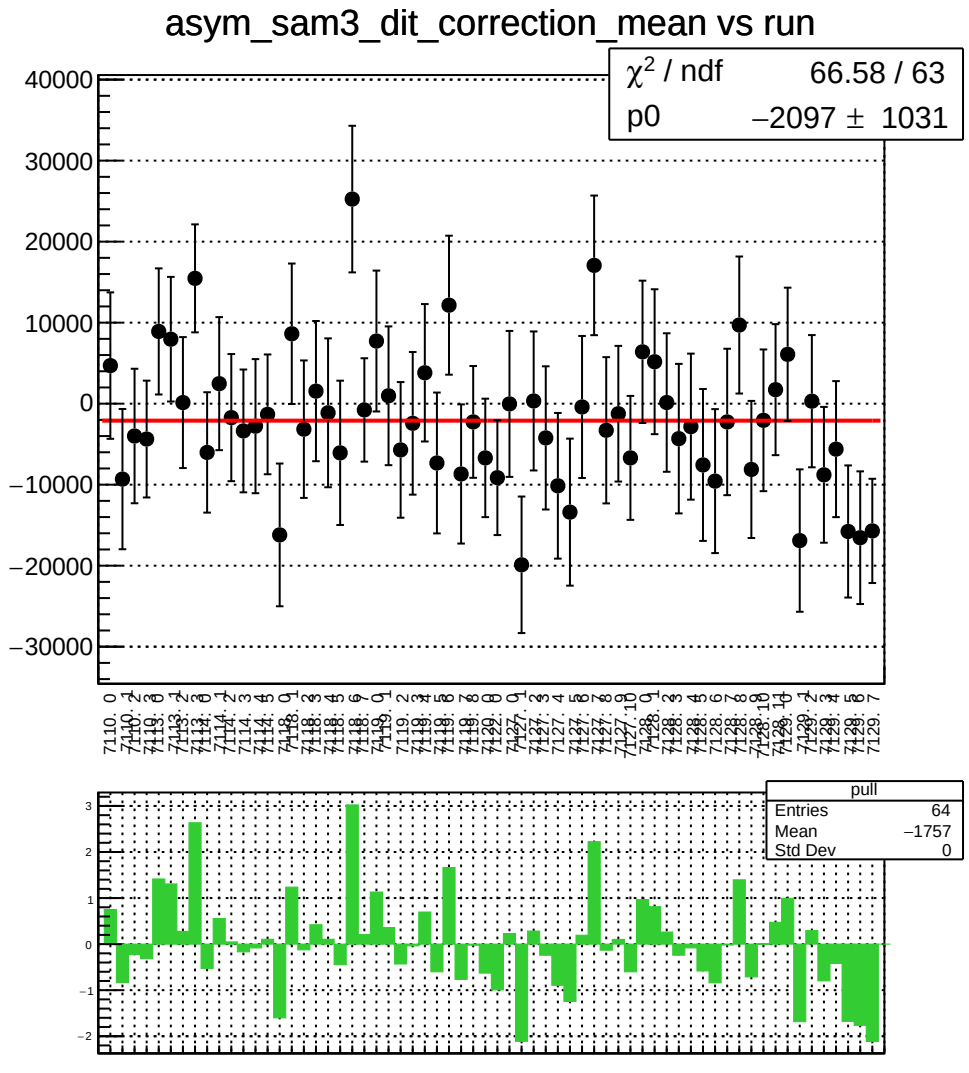

pull1D
Entries 64
Mean 0.03523
Std Dev 1.015

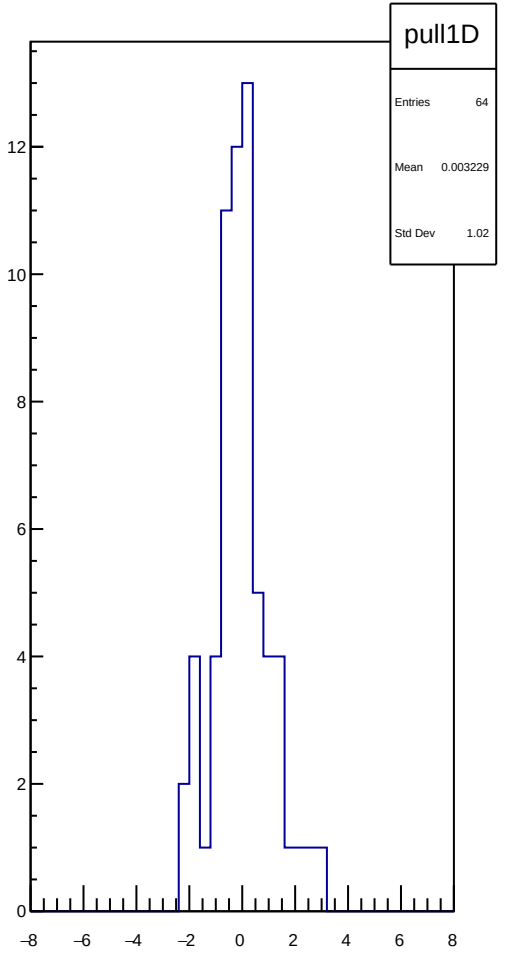

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 2.588e+04 / 63
p0 760.3 ± 0.694
1200
1100
1000
900
800
700

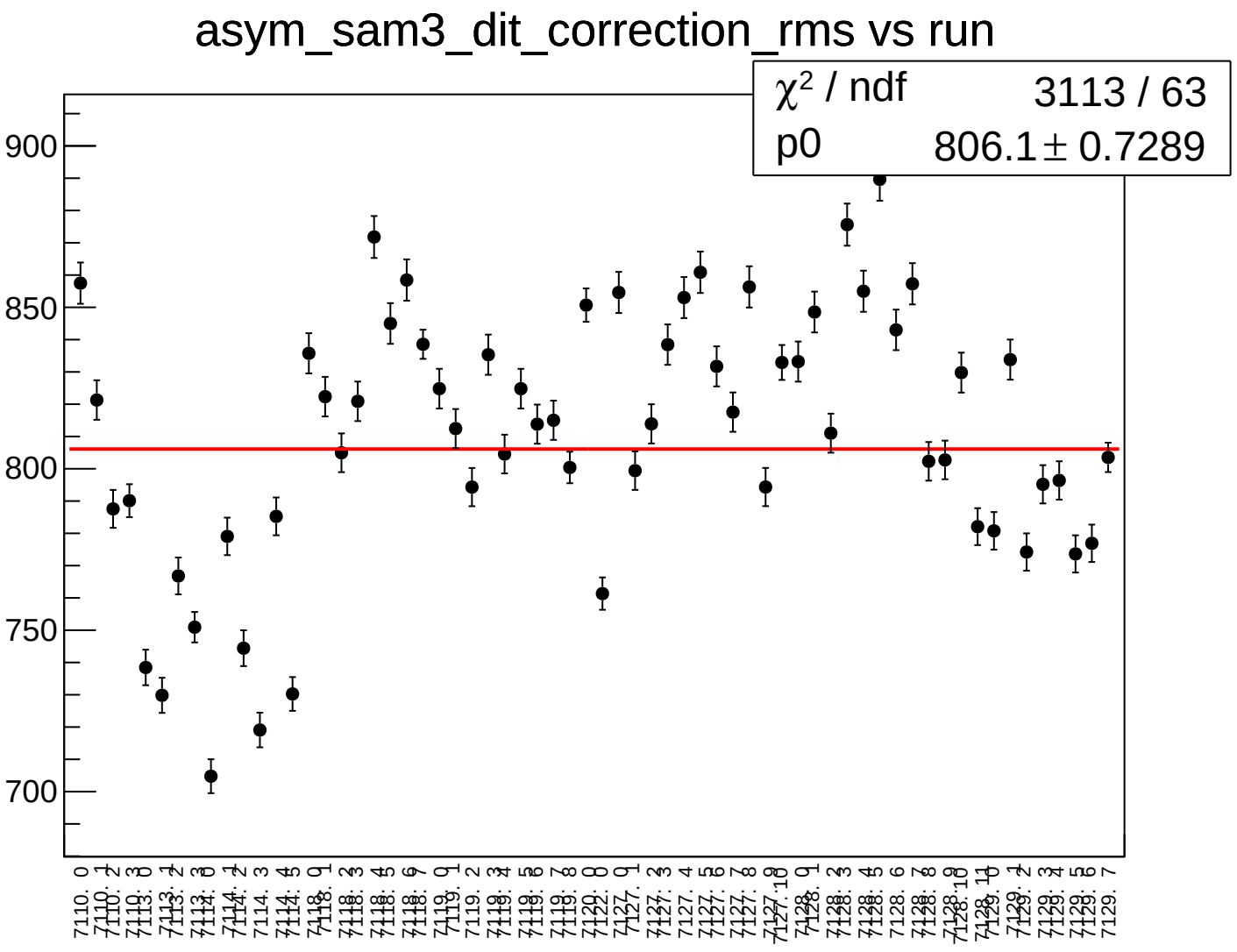

dit_asym_sam3_mean vs run
χ² / ndf 64.64 / 63
p0 −378.8 ± 197.2
pull
Entries 64
Mean −92.13
Std Dev 0

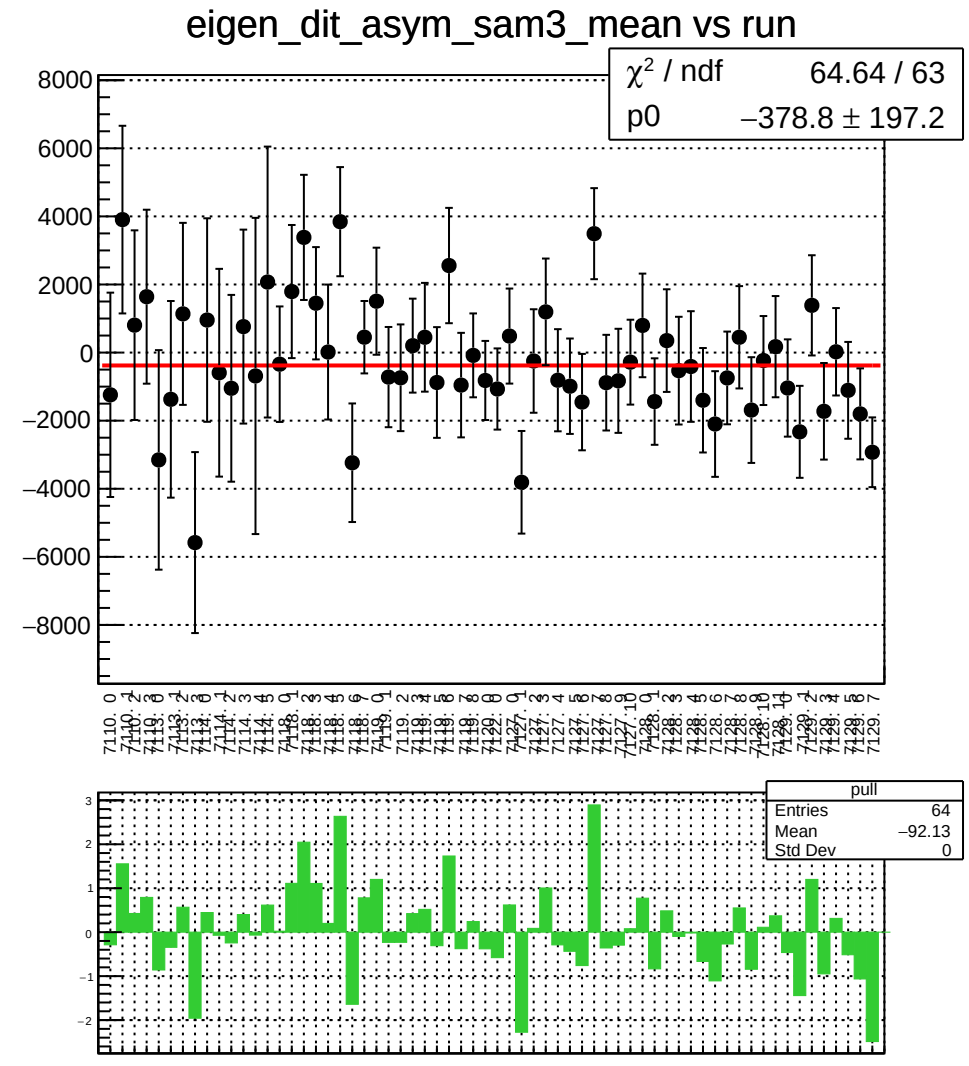

pull1D
Entries 64
Mean 0.04003
Std Dev 1.004

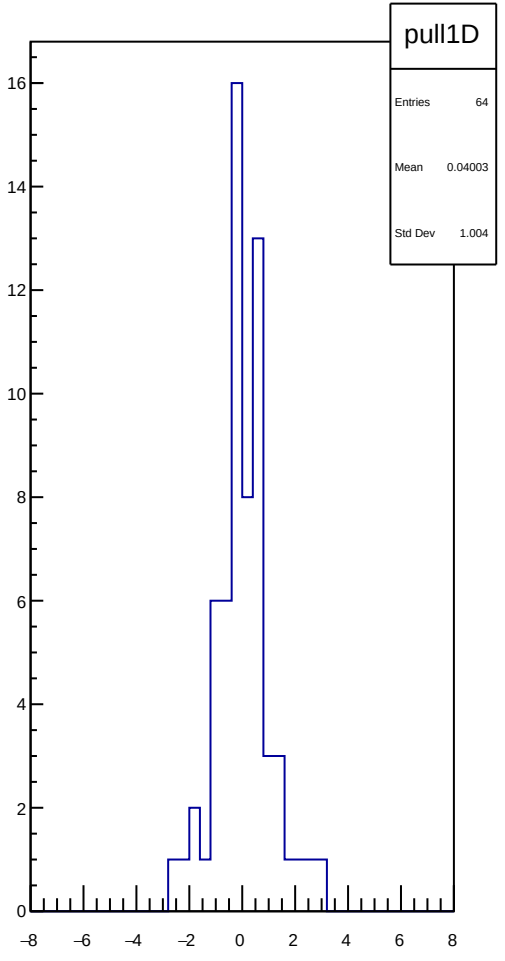

dit_asym_sam3_rms vs run
χ² / ndf 7.61e+04 / 63
p0 149.5 ± 0.1394
450
400
350
300
250
200
150
100

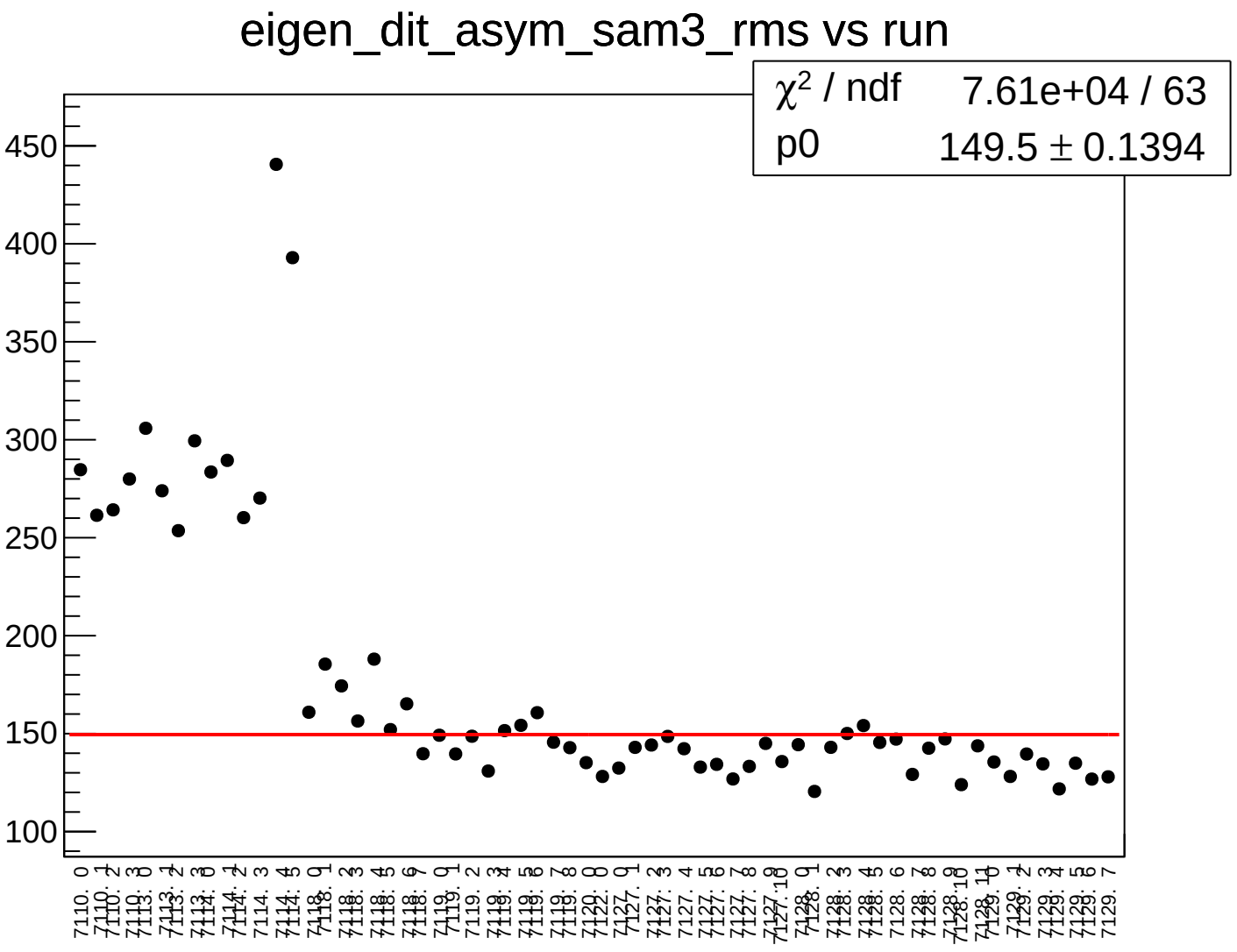

asym_sam3_dit_correction_mean vs run
χ² / ndf 66.58 / 63
p0 −2097 ± 1031
pull
Entries 64
Mean −1757
Std Dev 0

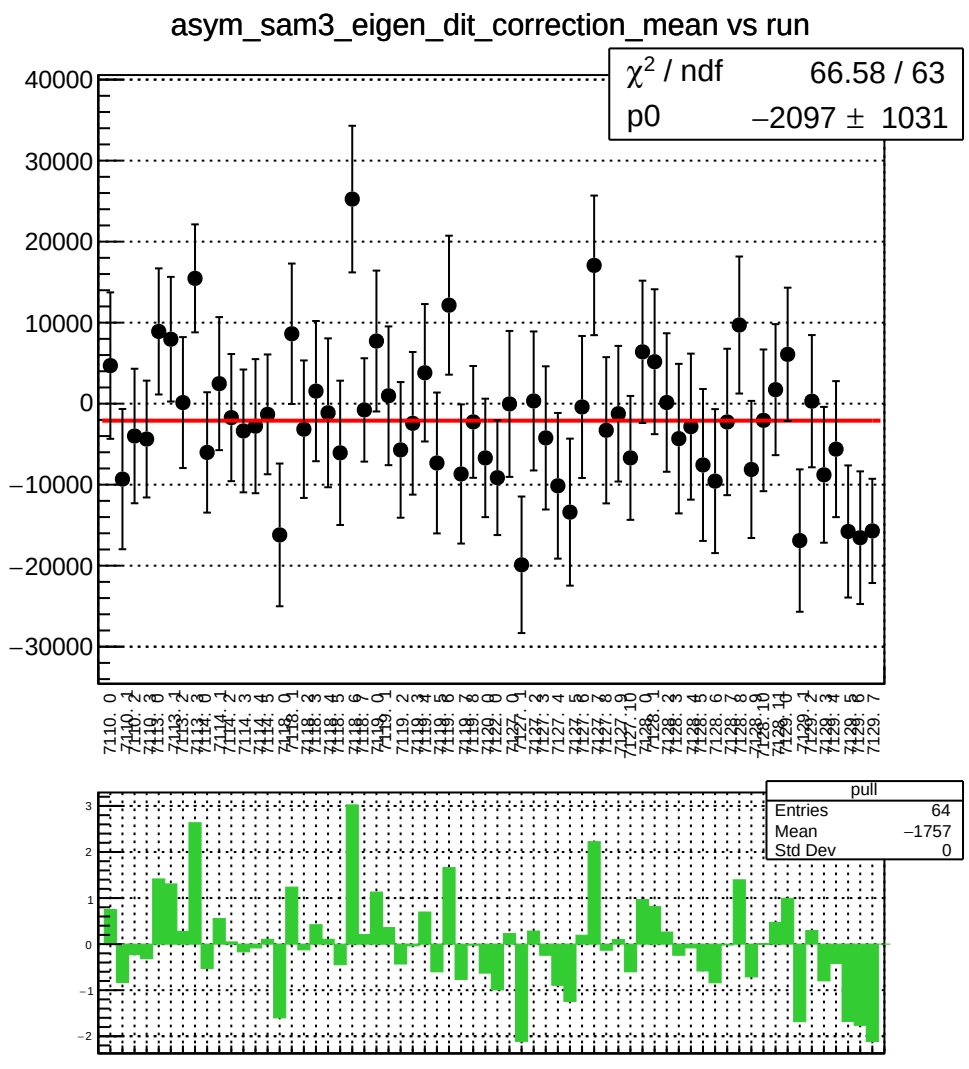

pull1D
Entries 64
Mean 0.003229
Std Dev 1.02

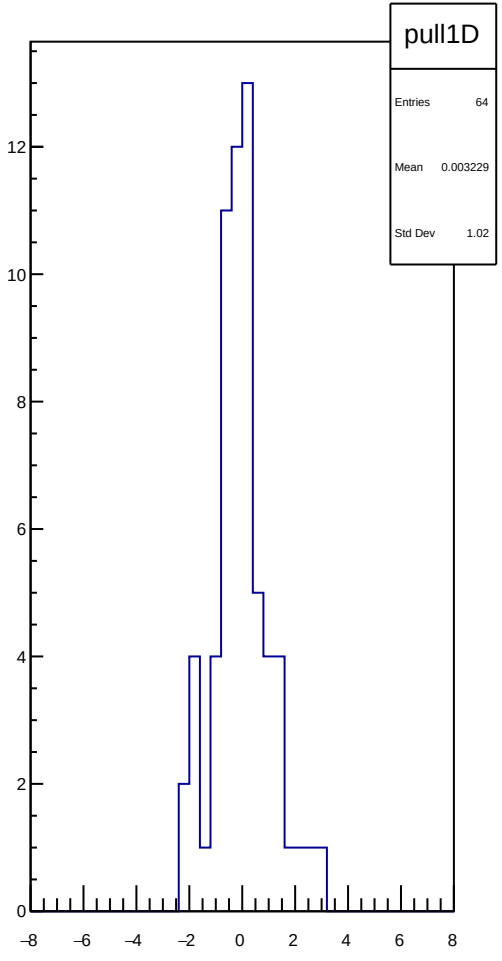

asym_sam3_dit_correction_rms vs run
χ² / ndf 3113 / 63
p0 806.1 ± 0.7289
900
850
800
750
700

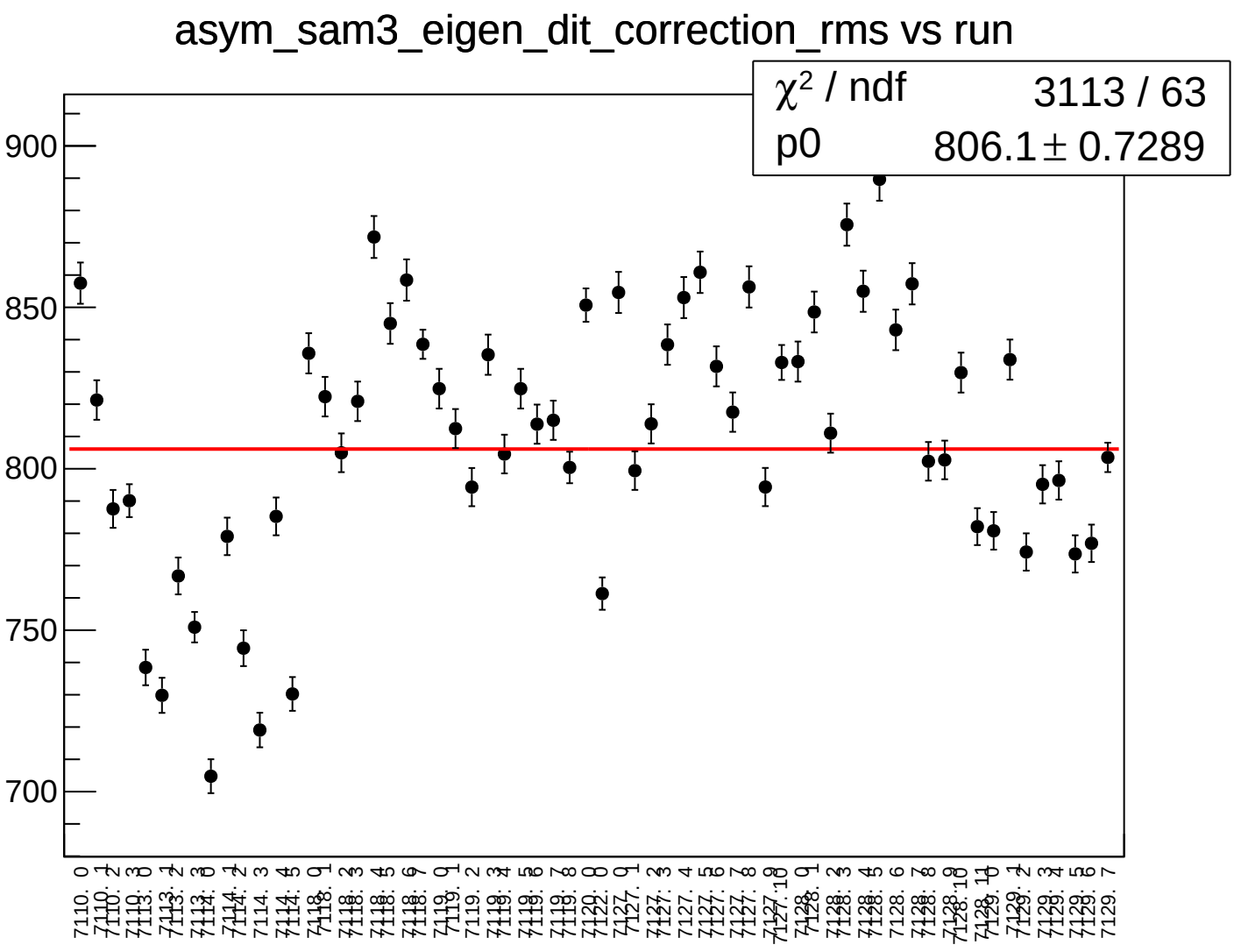

eigen_dit_asym_sam3_mean vs run
χ² / ndf 64.64 / 63
p0 −378.8 ± 197.2
pull
Entries 64
Mean −92.13
Std Dev 0

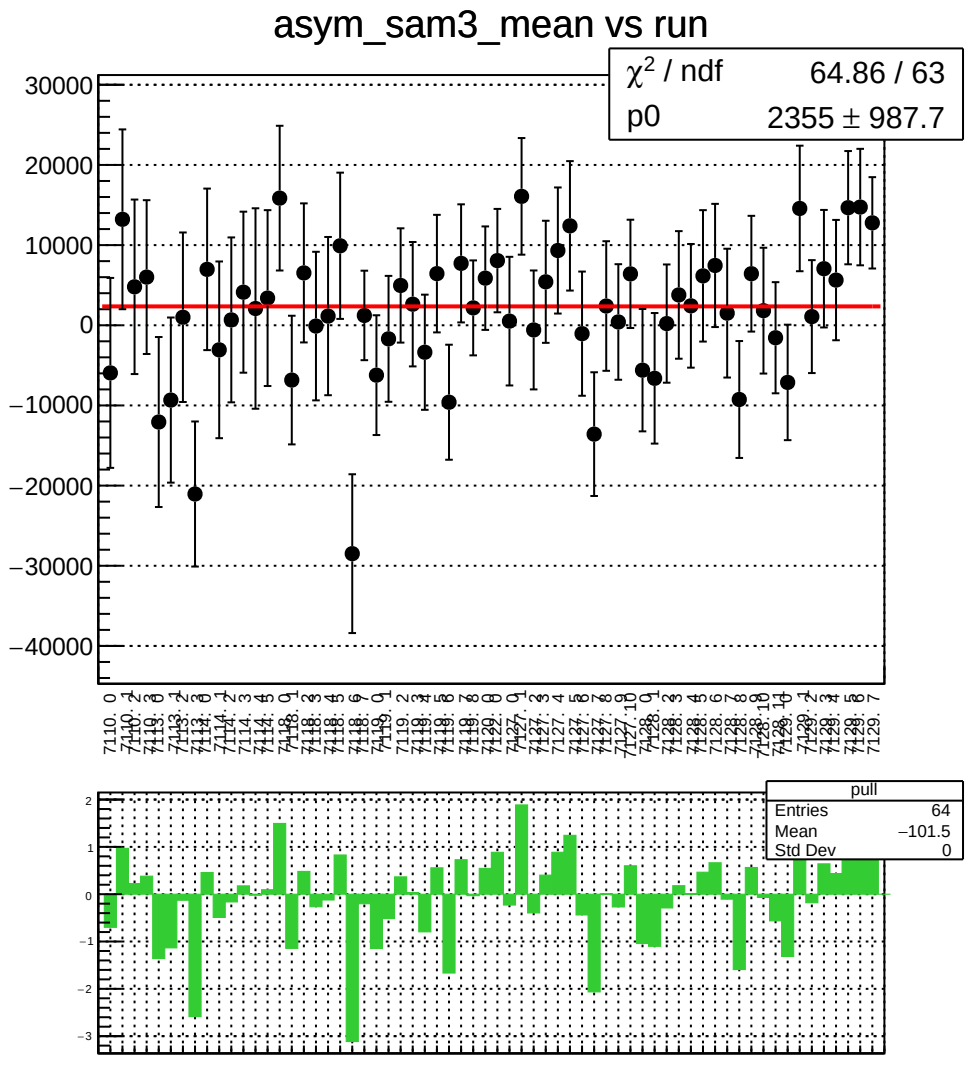

pull1D
Entries 64
Mean 0.04003
Std Dev 1.004

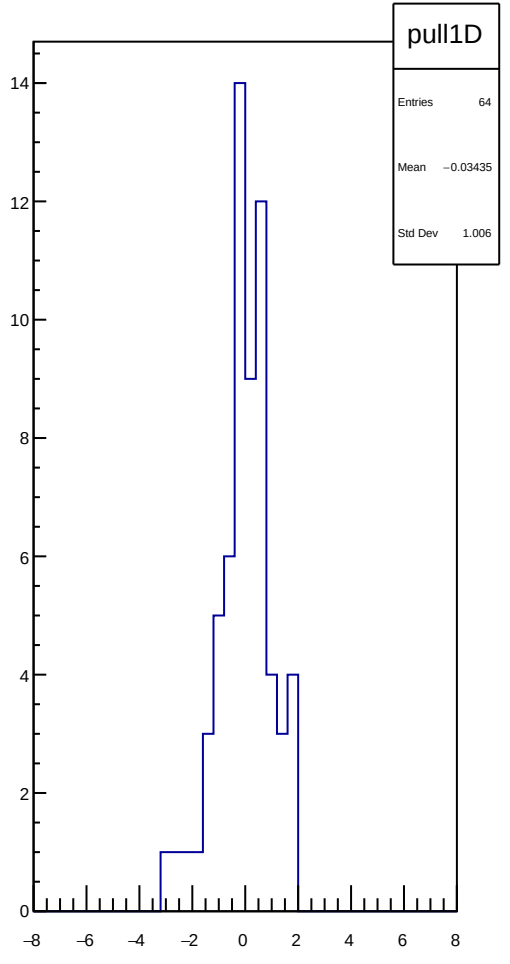

eigen_dit_asym_sam3_rms vs run
χ² / ndf 7.61e+04 / 63
p0 149.5 ± 0.1394
450
400
350
300
250
200
150
100

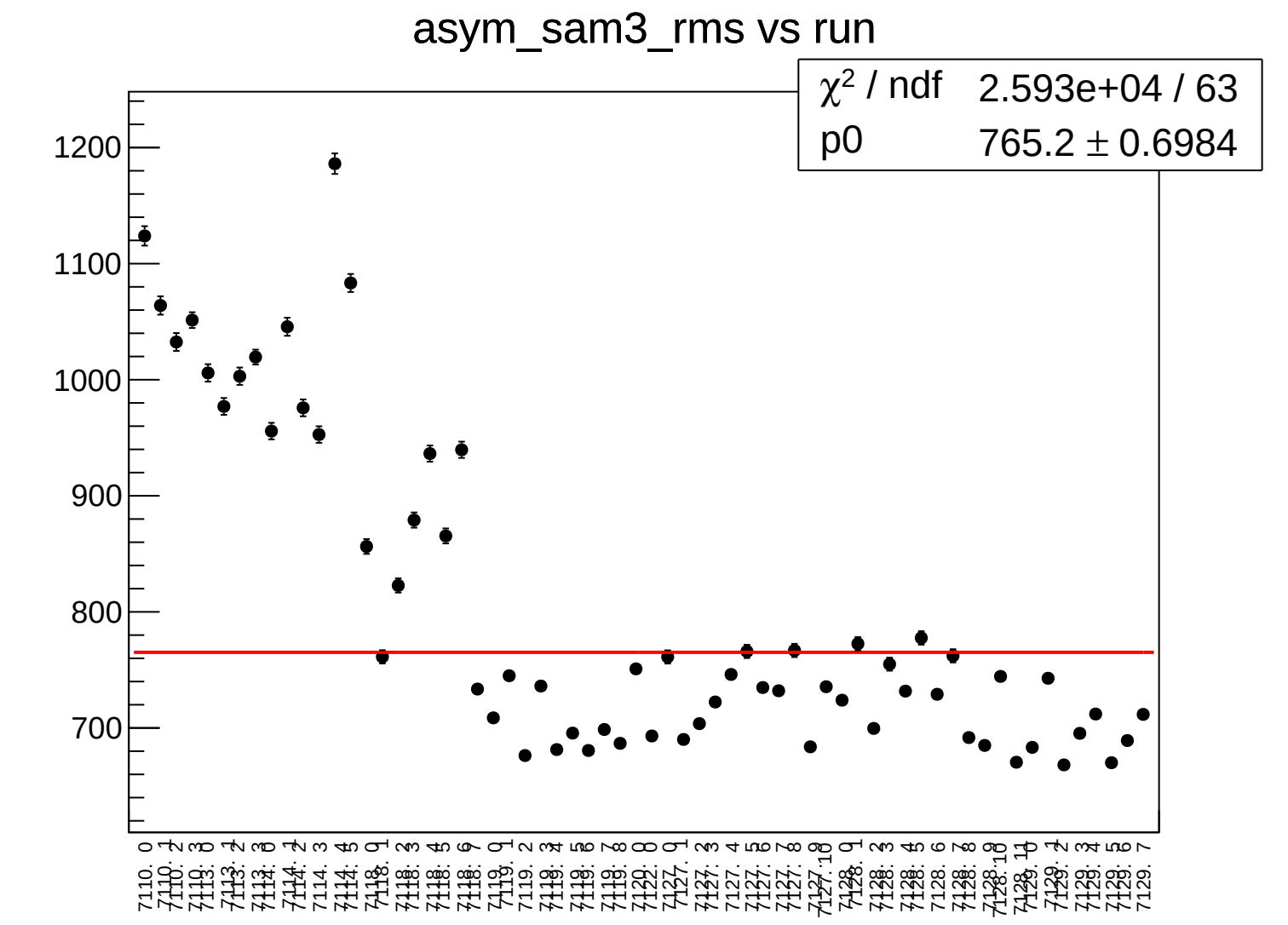

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 66.58 / 63
p0 −2097 ± 1031
pull
Entries 64
Mean −1757
Std Dev 0

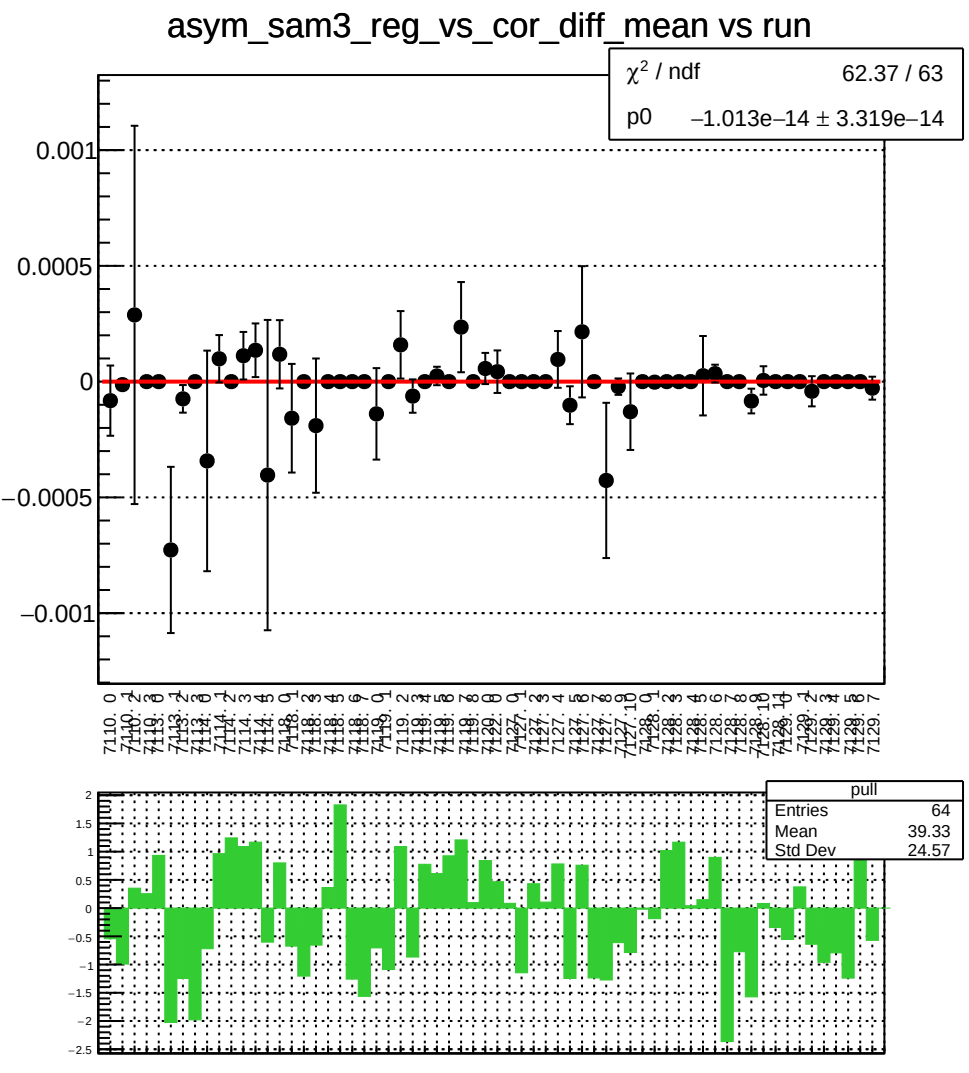

pull1D
Entries 64
Mean 0.003229
Std Dev 1.02

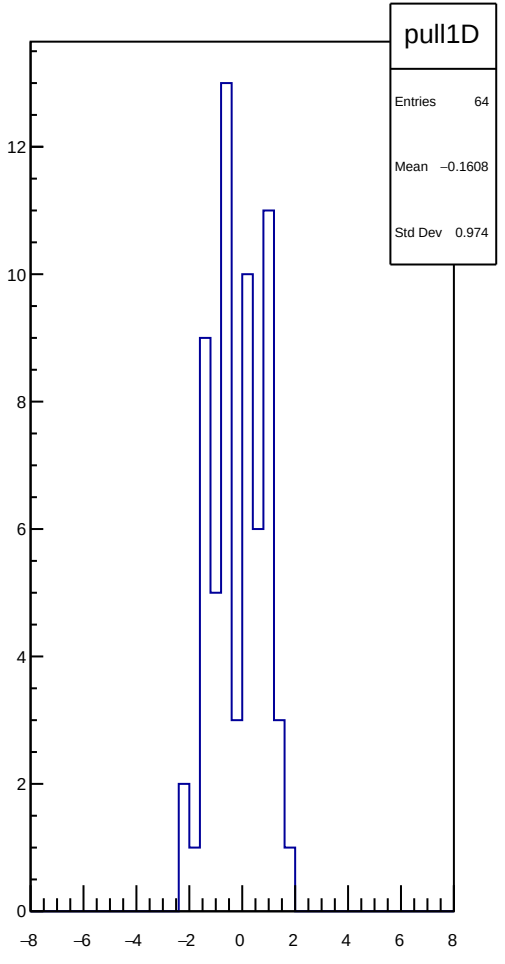

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 3113 / 63
p0 806.1 ± 0.7289
900
850
800
750
700

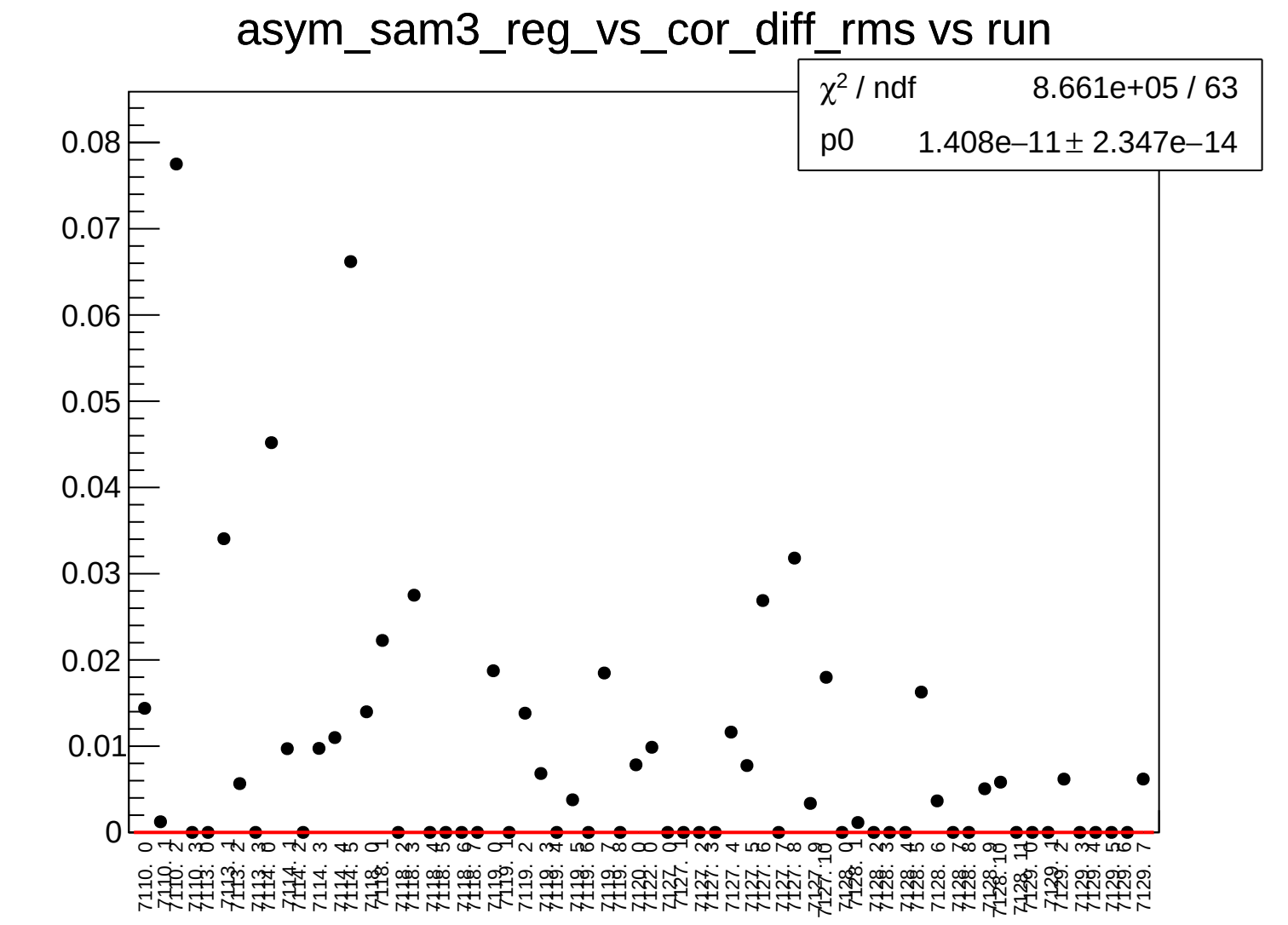

asym_sam3_mean vs run
χ² / ndf 64.86 / 63
p0 2355 ± 987.7
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 64
Mean −101.5
Std Dev 0
2
1
0
−1
−2
−3

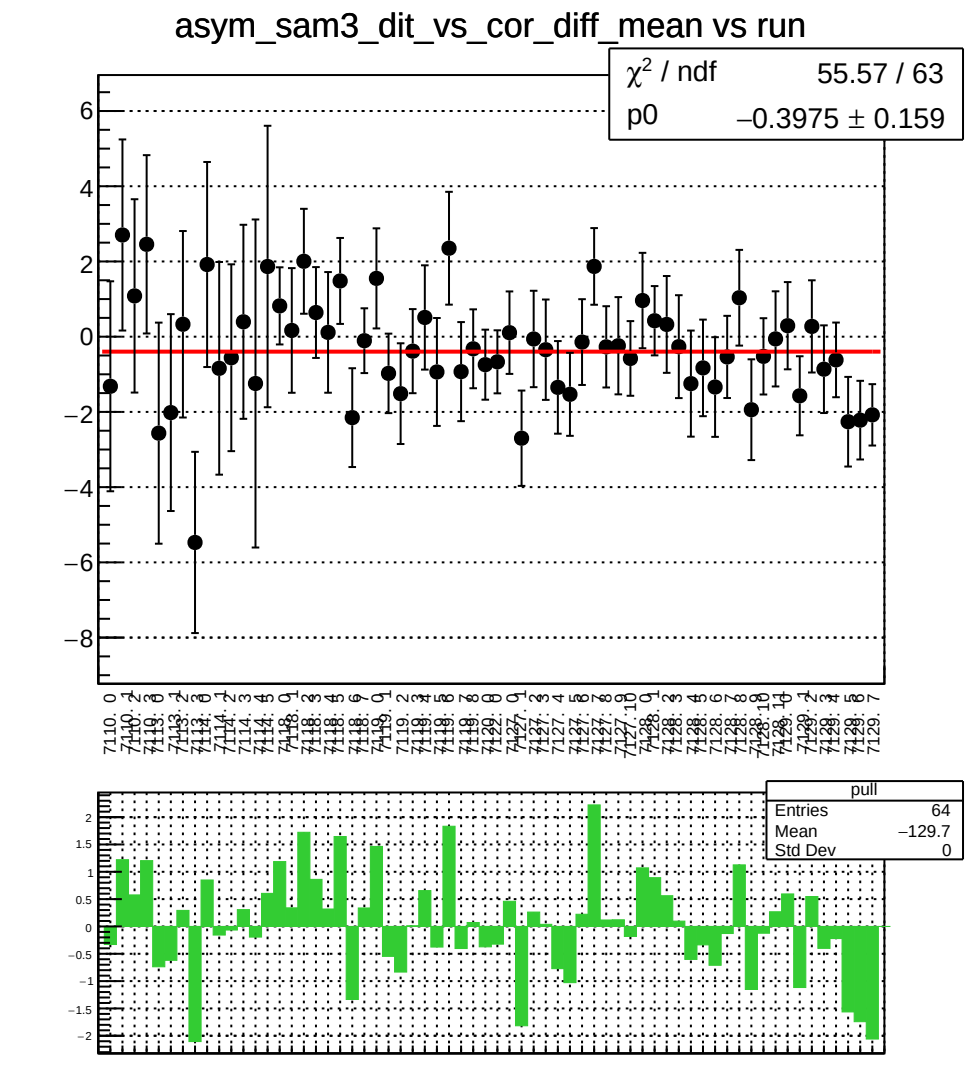

pull1D
Entries 64
Mean −0.03435
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

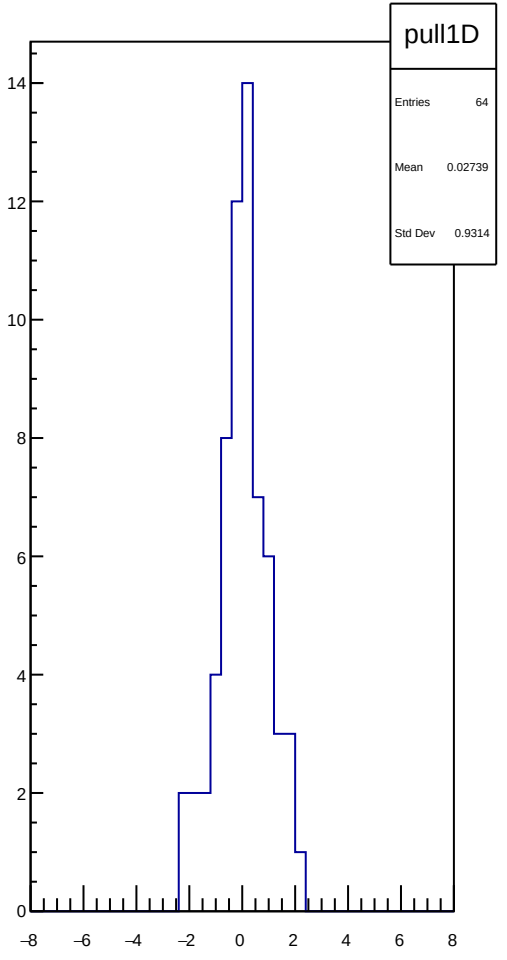

asym_sam3_rms vs run
χ² / ndf 2.593e+04 / 63
p0 765.2 ± 0.6984
1200
1100
1000
900
800
700

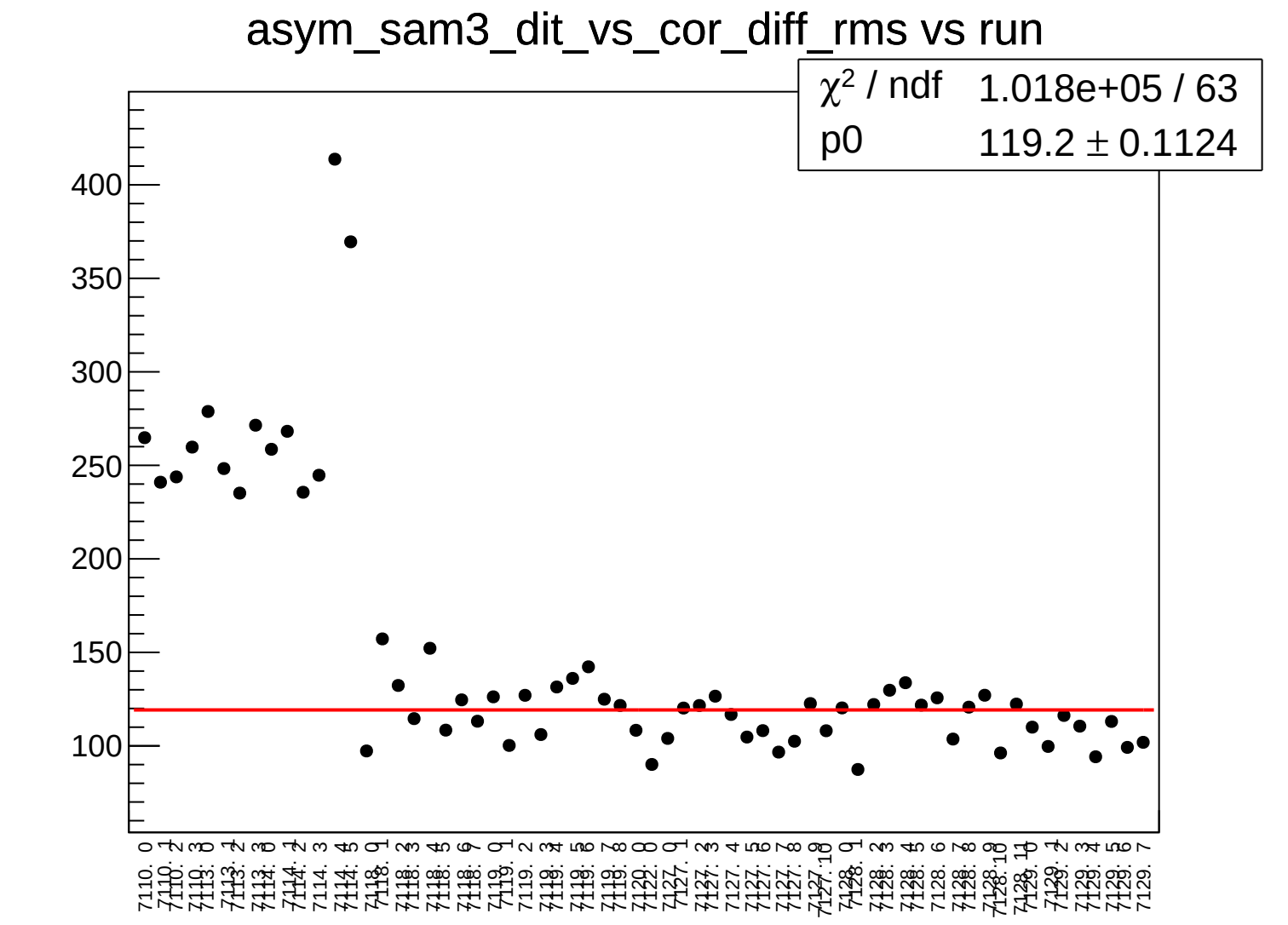

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 62.37 / 63
p0 −1.013e−14 ± 3.319e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 39.33
Std Dev 24.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

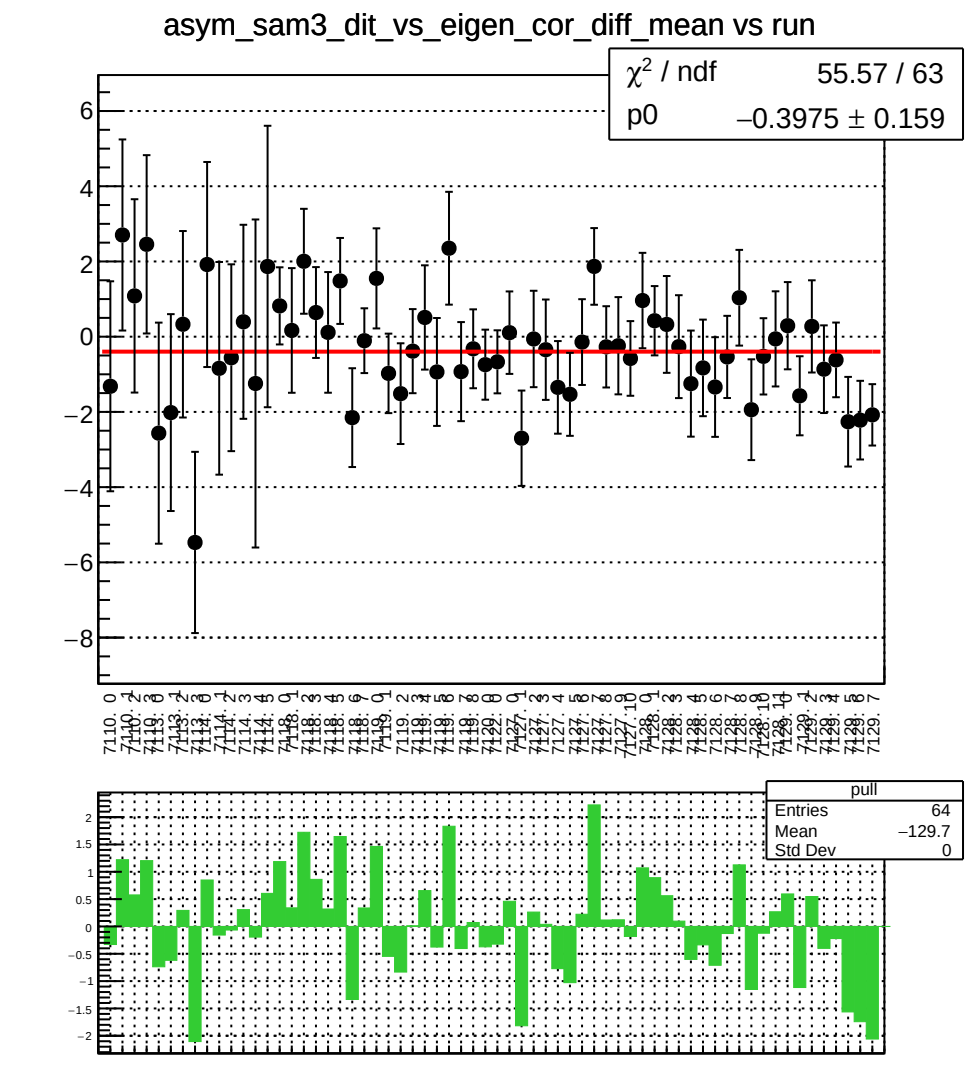

pull1D
Entries 64
Mean −0.1608
Std Dev 0.974
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

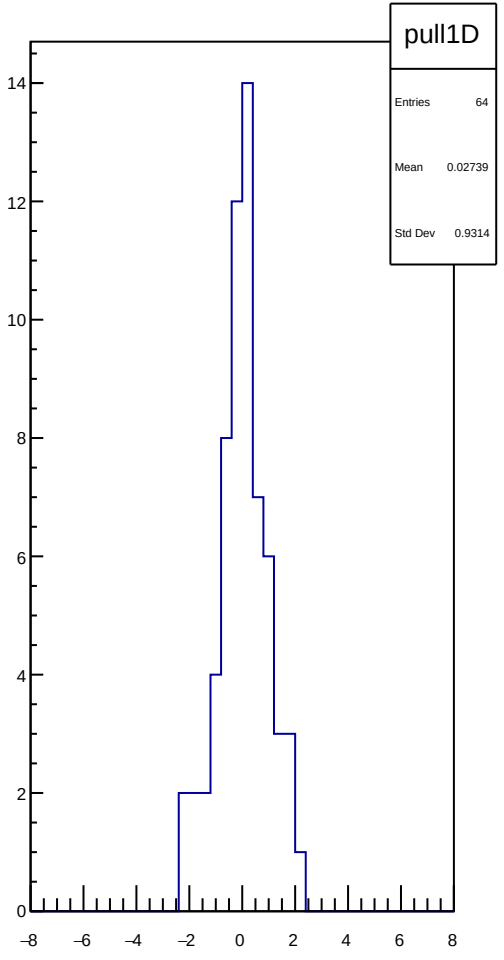

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 8.661e+05 / 63
p0 1.408e−11 ± 2.347e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

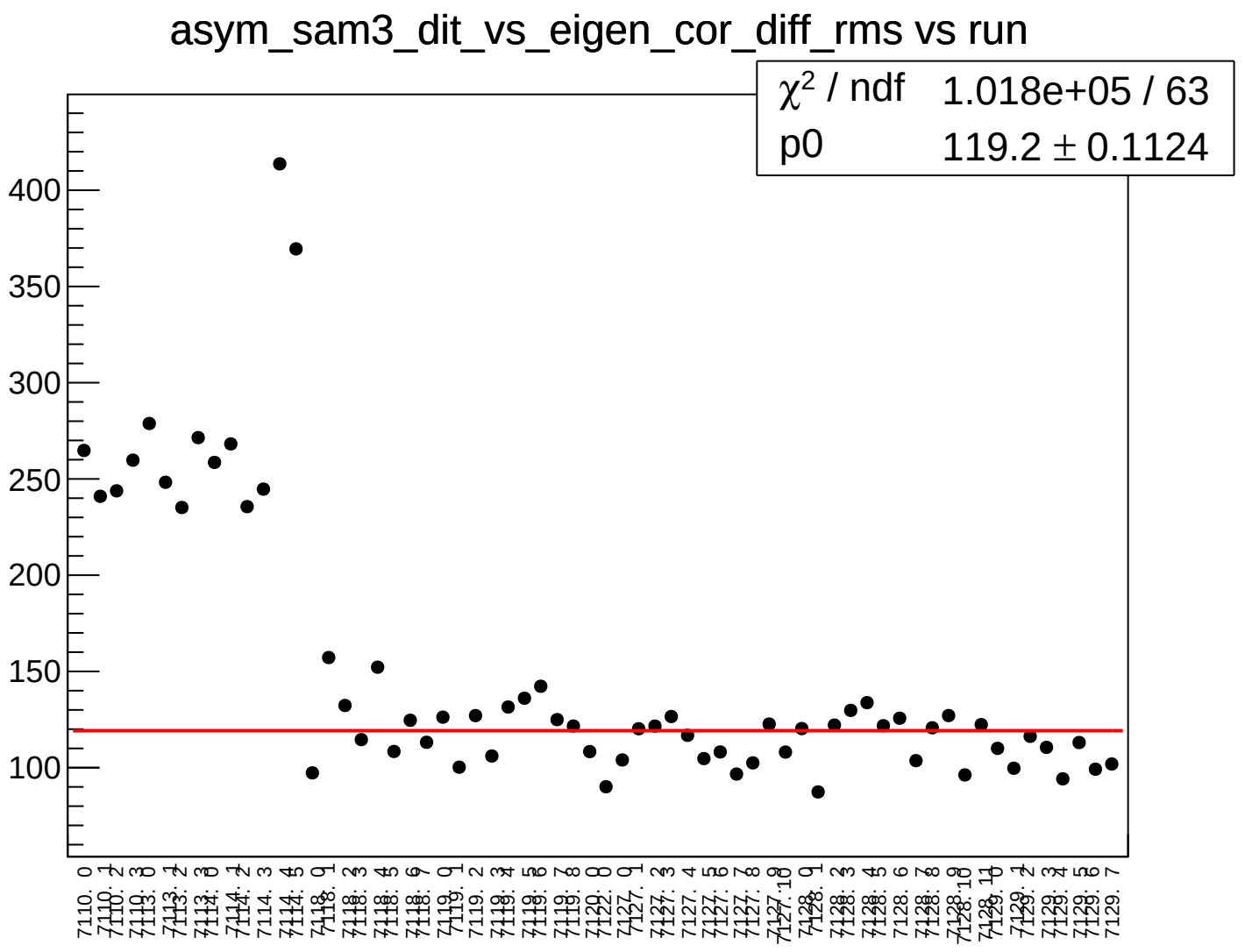

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 55.57 / 63
p0 −0.3975 ± 0.159
pull
Entries 64
Mean −129.7
Std Dev 0

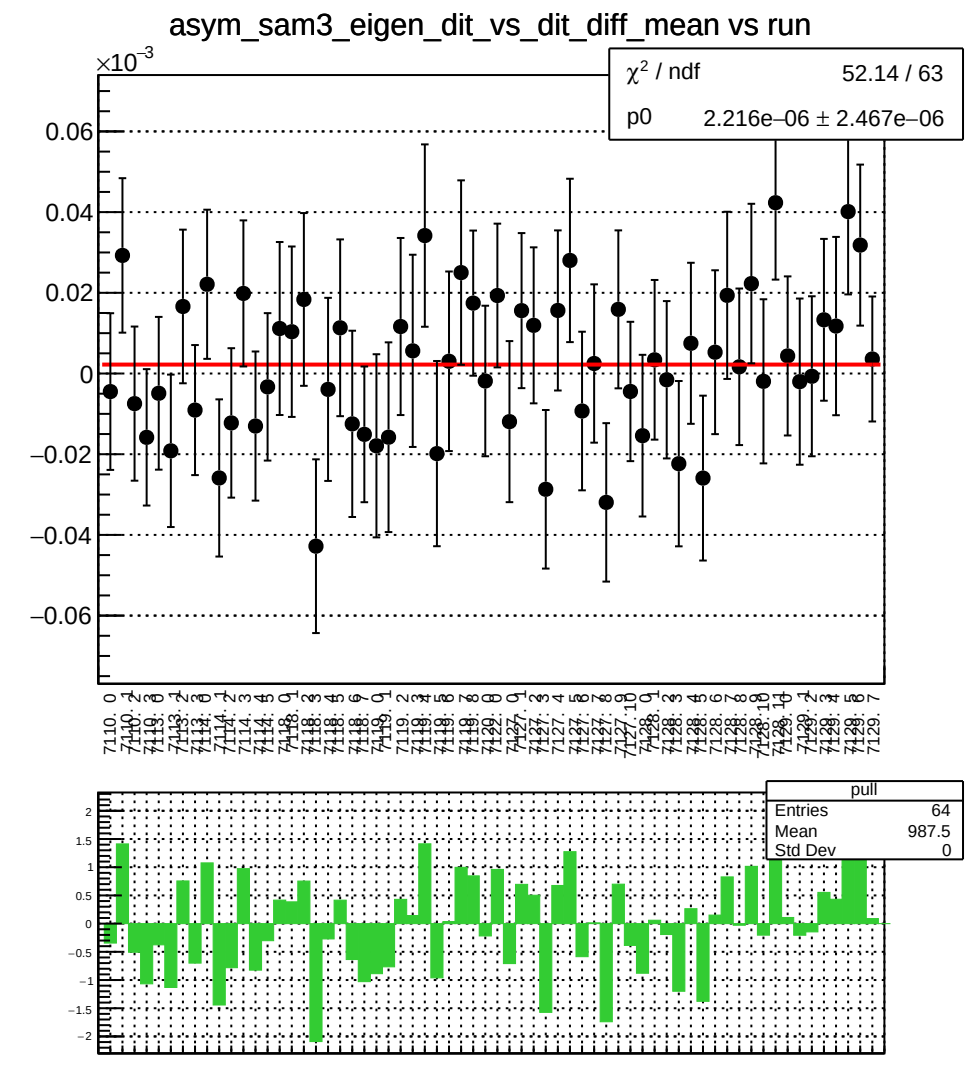

pull1D
Entries 64
Mean 0.02739
Std Dev 0.9314

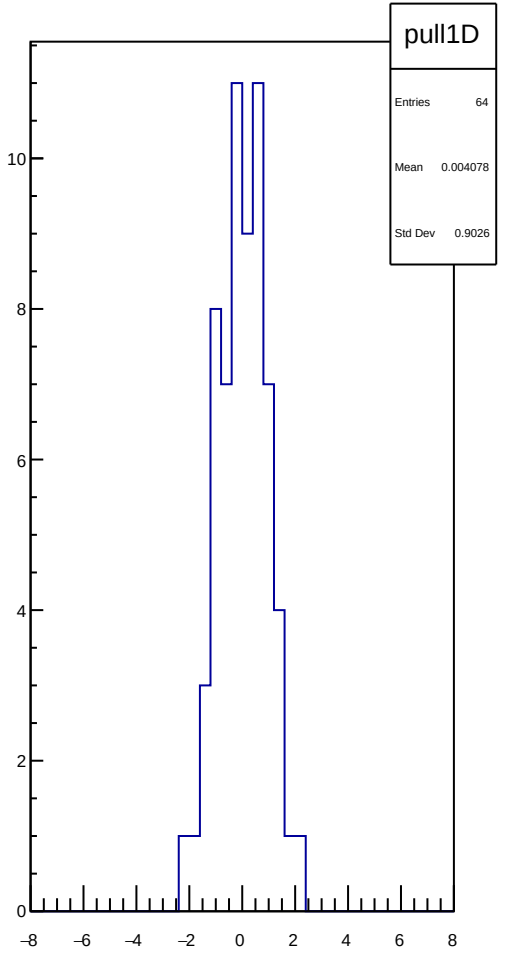

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 63
p0 119.2 ± 0.1124
400
350
300
250
200
150
100

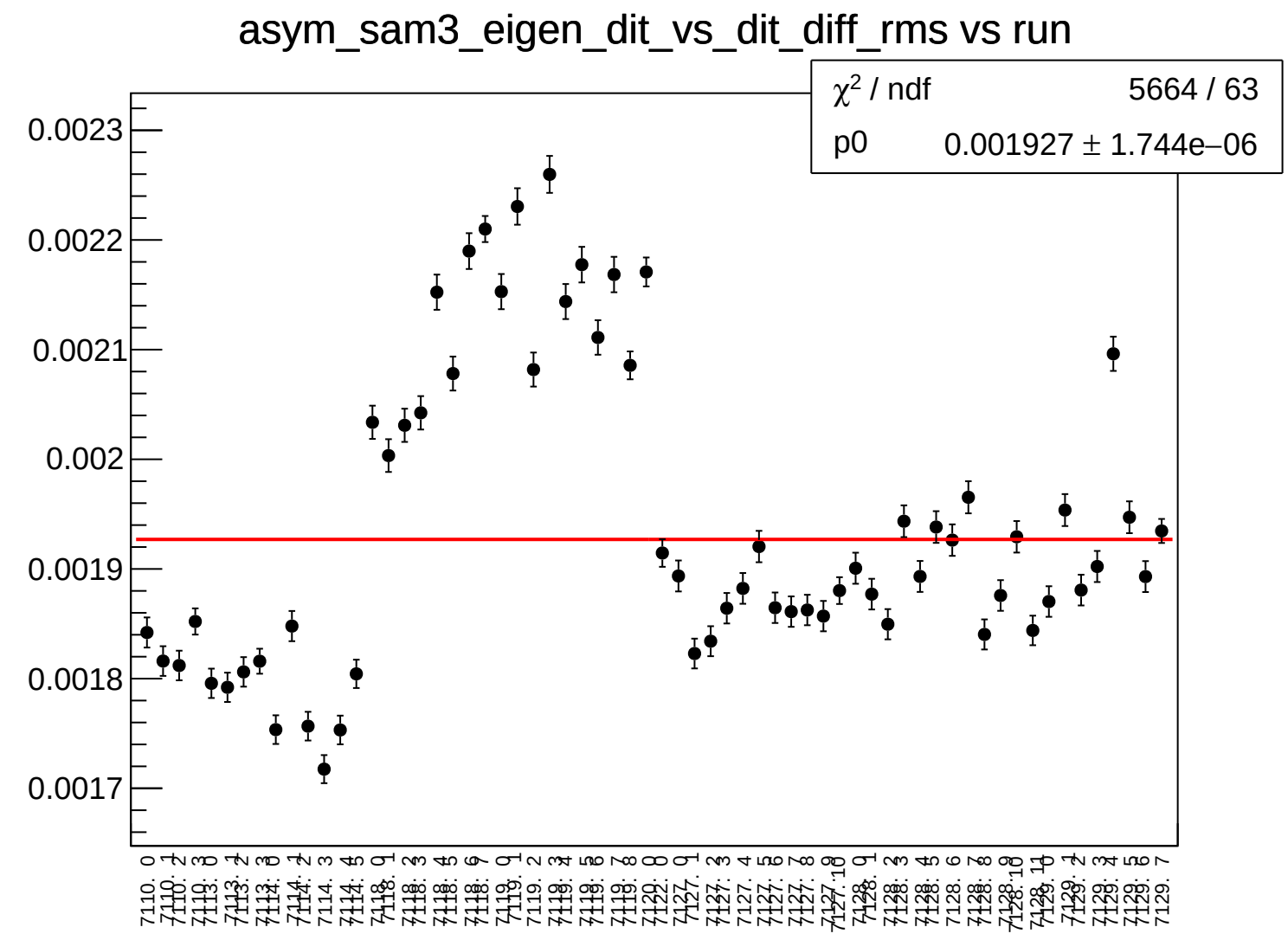

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.57 / 63
p0 −0.3975 ± 0.159
pull
Entries 64
Mean −129.7
Std Dev 0

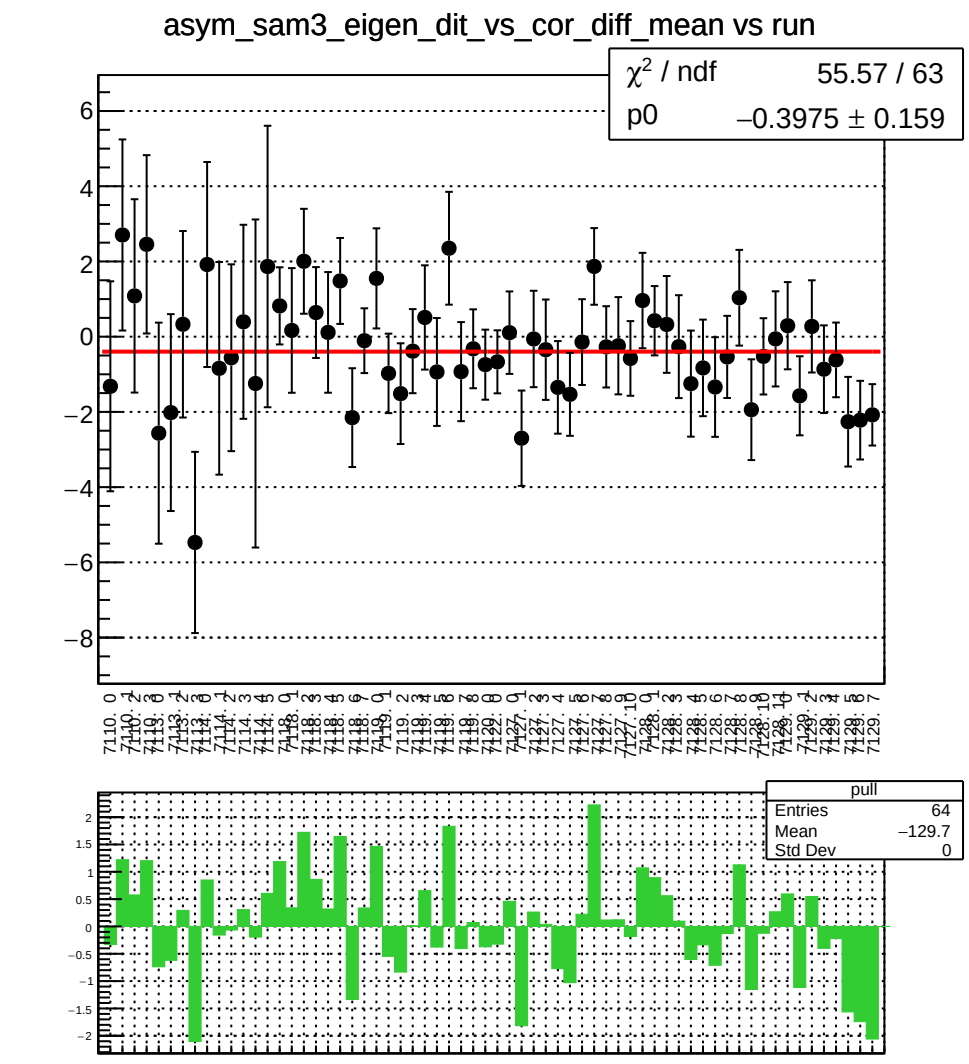

pull1D
Entries 64
Mean 0.02739
Std Dev 0.9314

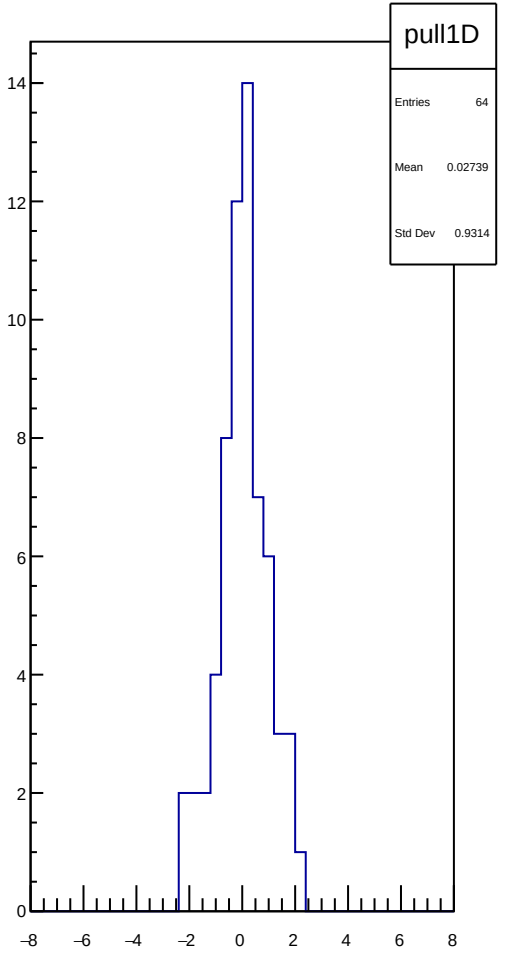

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 63
p0 119.2 ± 0.1124
400
350
300
250
200
150
100

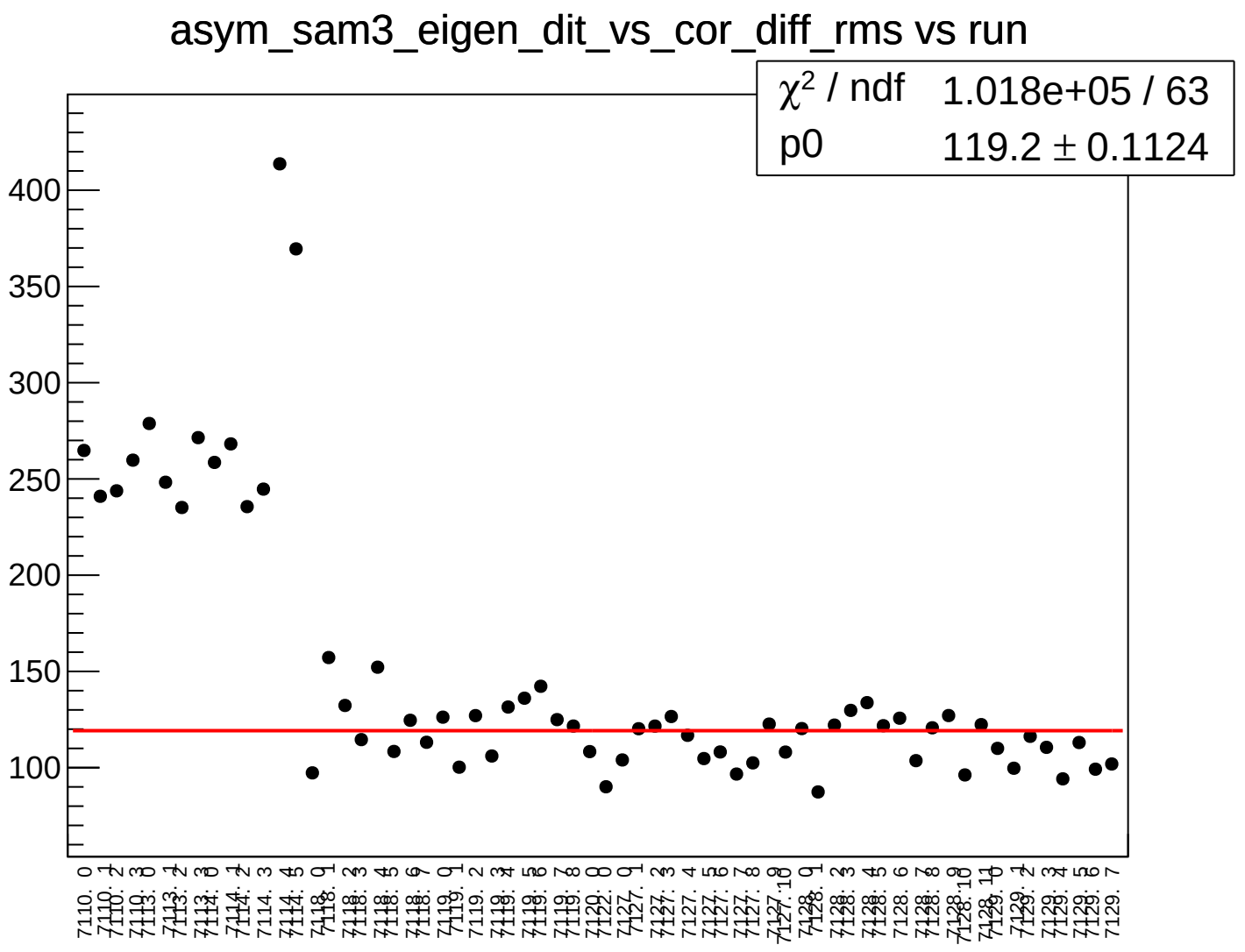

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.14 / 63
p0 2.216e−06 ± 2.467e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 987.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

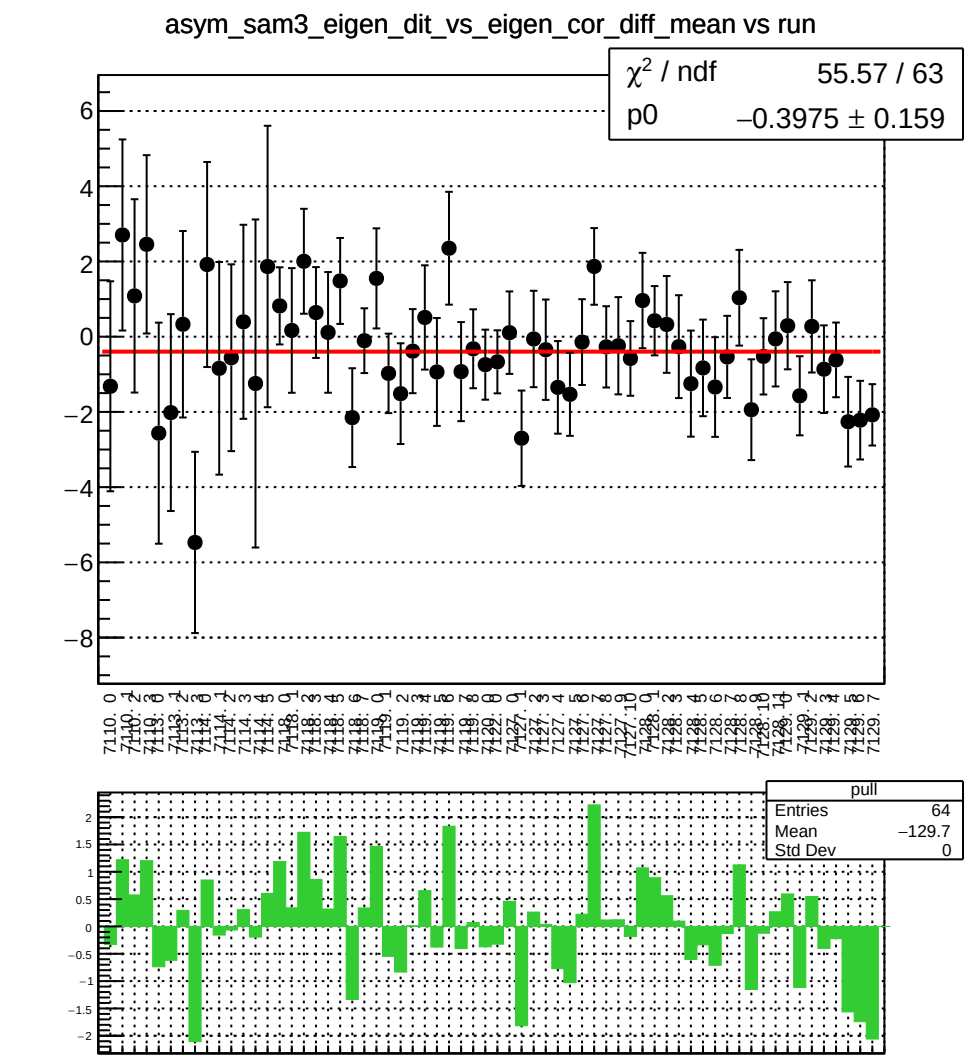

pull1D
Entries 64
Mean 0.004078
Std Dev 0.9026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

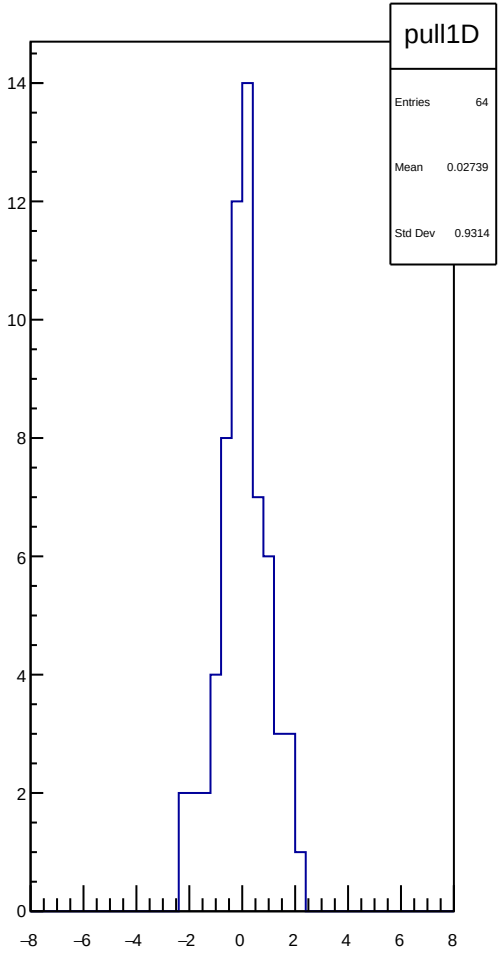

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5664 / 63
p0 0.001927 ± 1.744e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

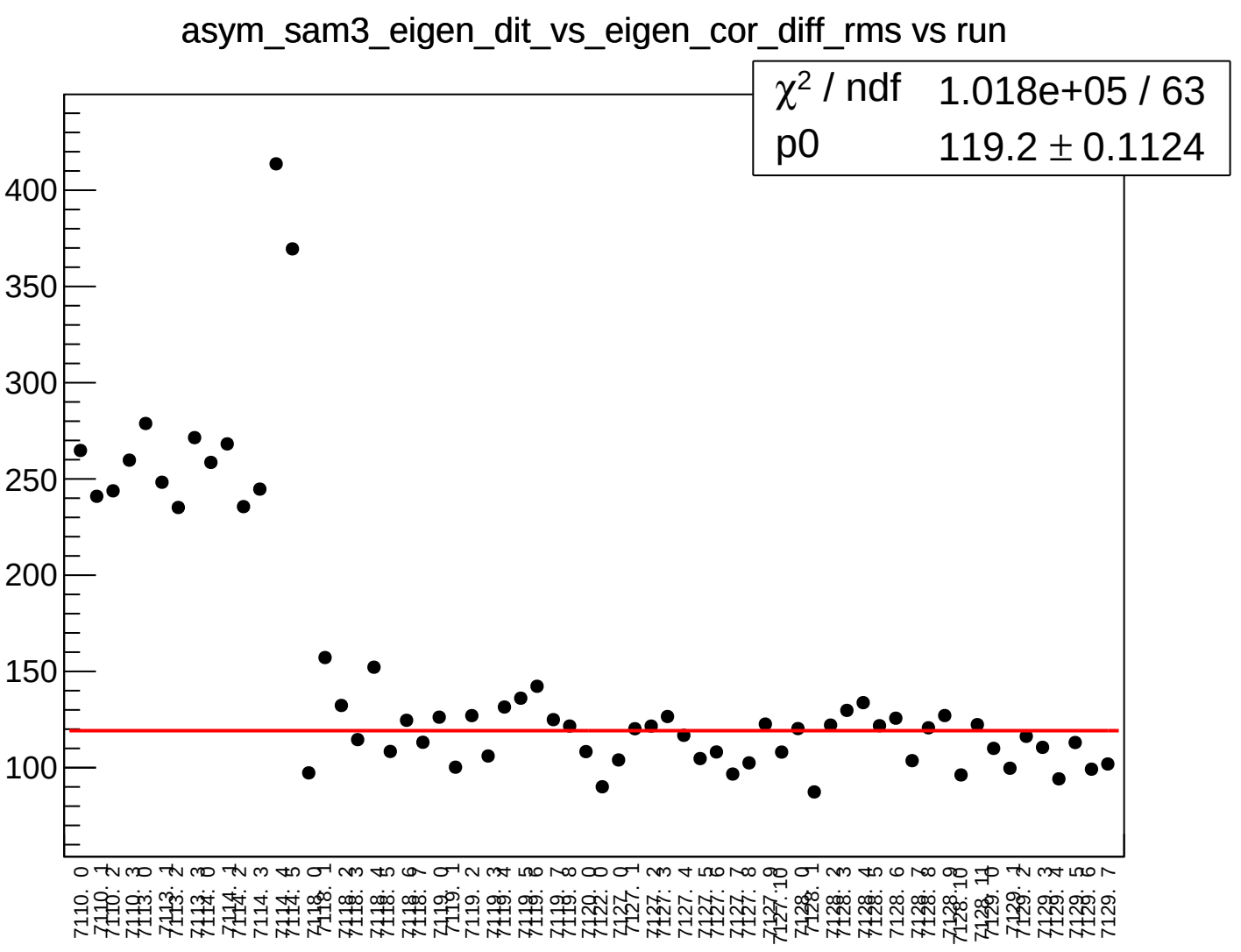

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.57 / 63
p0 −0.3975 ± 0.159
pull
Entries 64
Mean −129.7
Std Dev 0

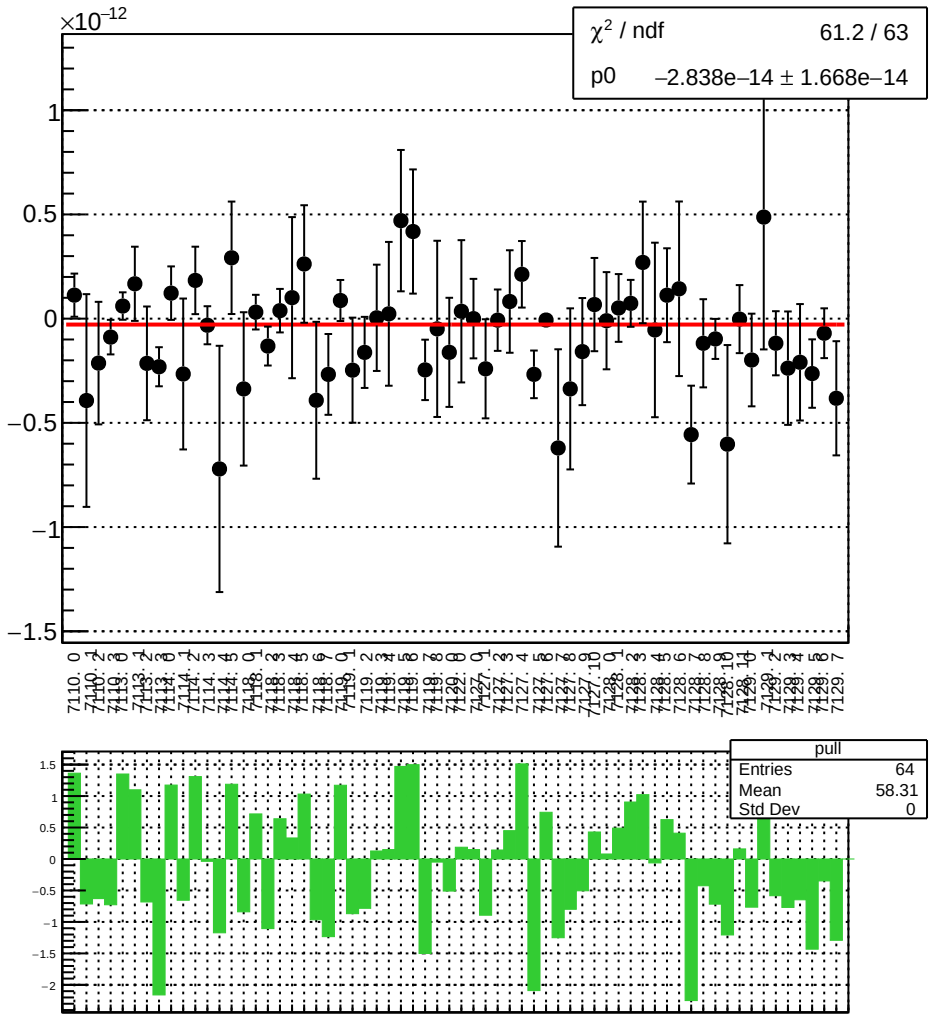

pull1D
Entries 64
Mean 0.02739
Std Dev 0.9314

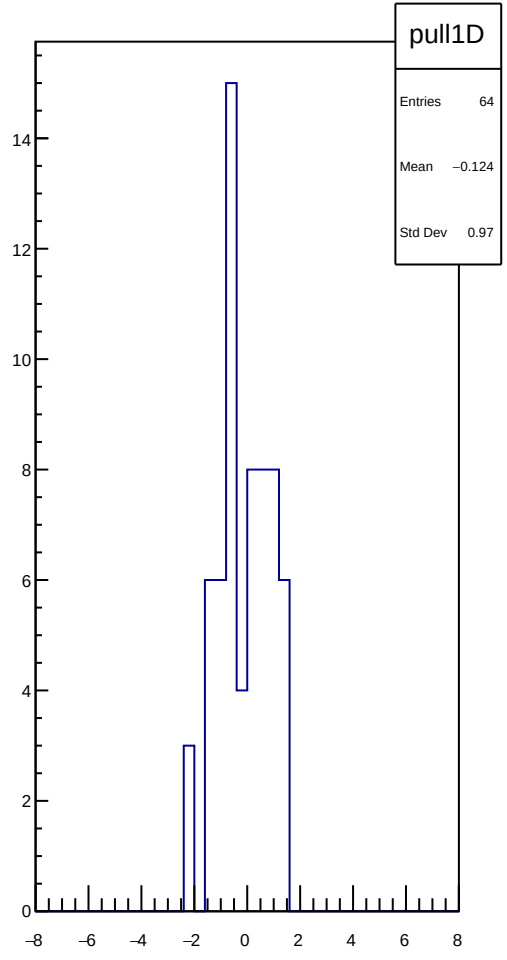

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 63
p0 119.2 ± 0.1124
400
350
300
250
200
150
100

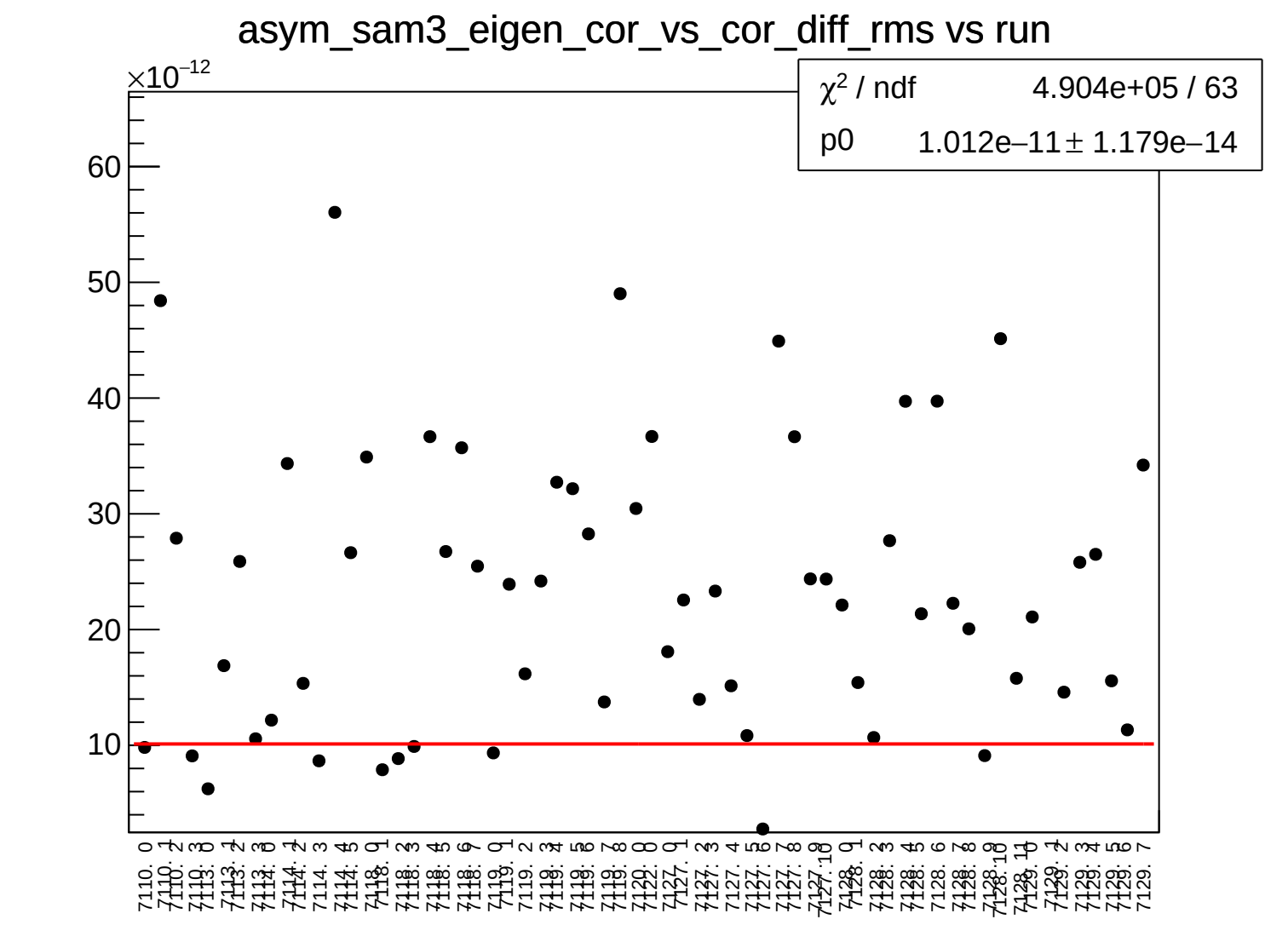

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.57 / 63
p0 −0.3975 ± 0.159
pull
Entries 64
Mean −129.7
Std Dev 0

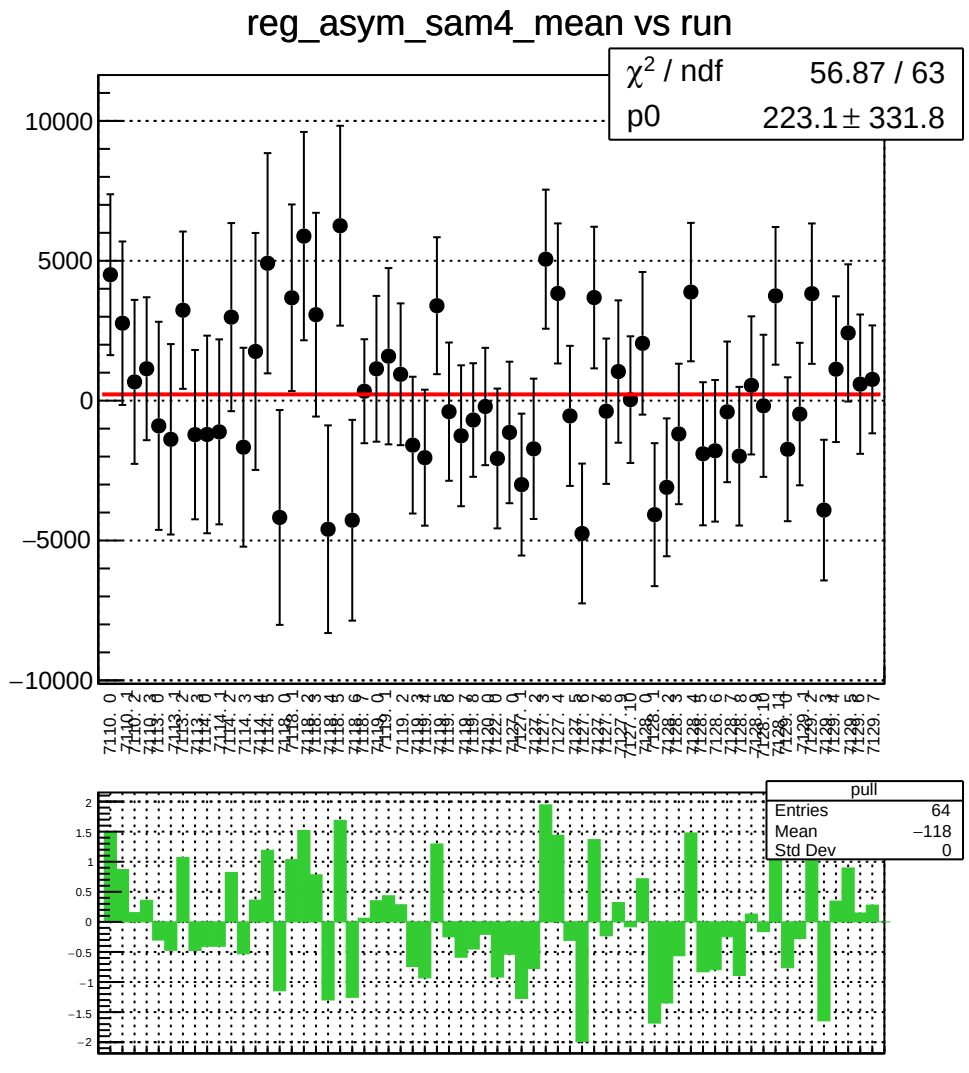

pull1D
Entries 64
Mean 0.02739
Std Dev 0.9314

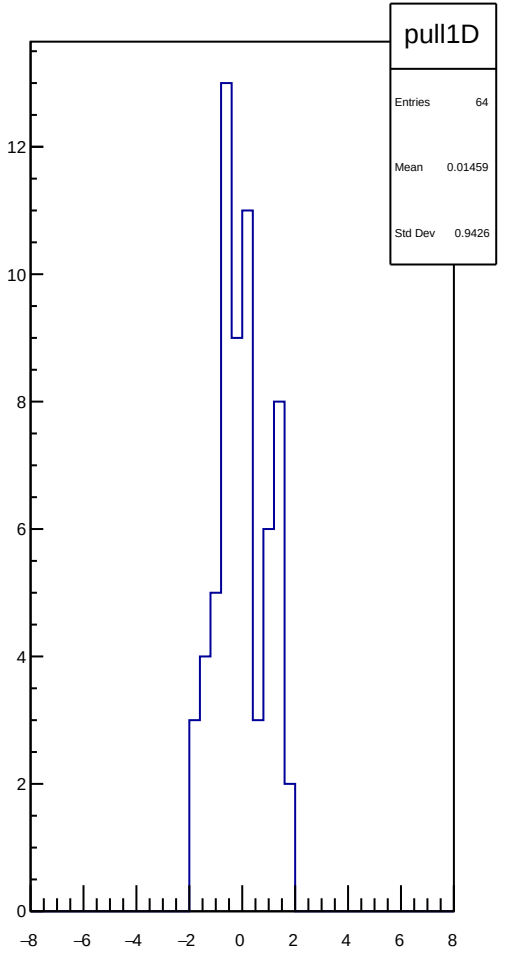

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 63
p0 119.2 ± 0.1124
400
350
300
250
200
150
100

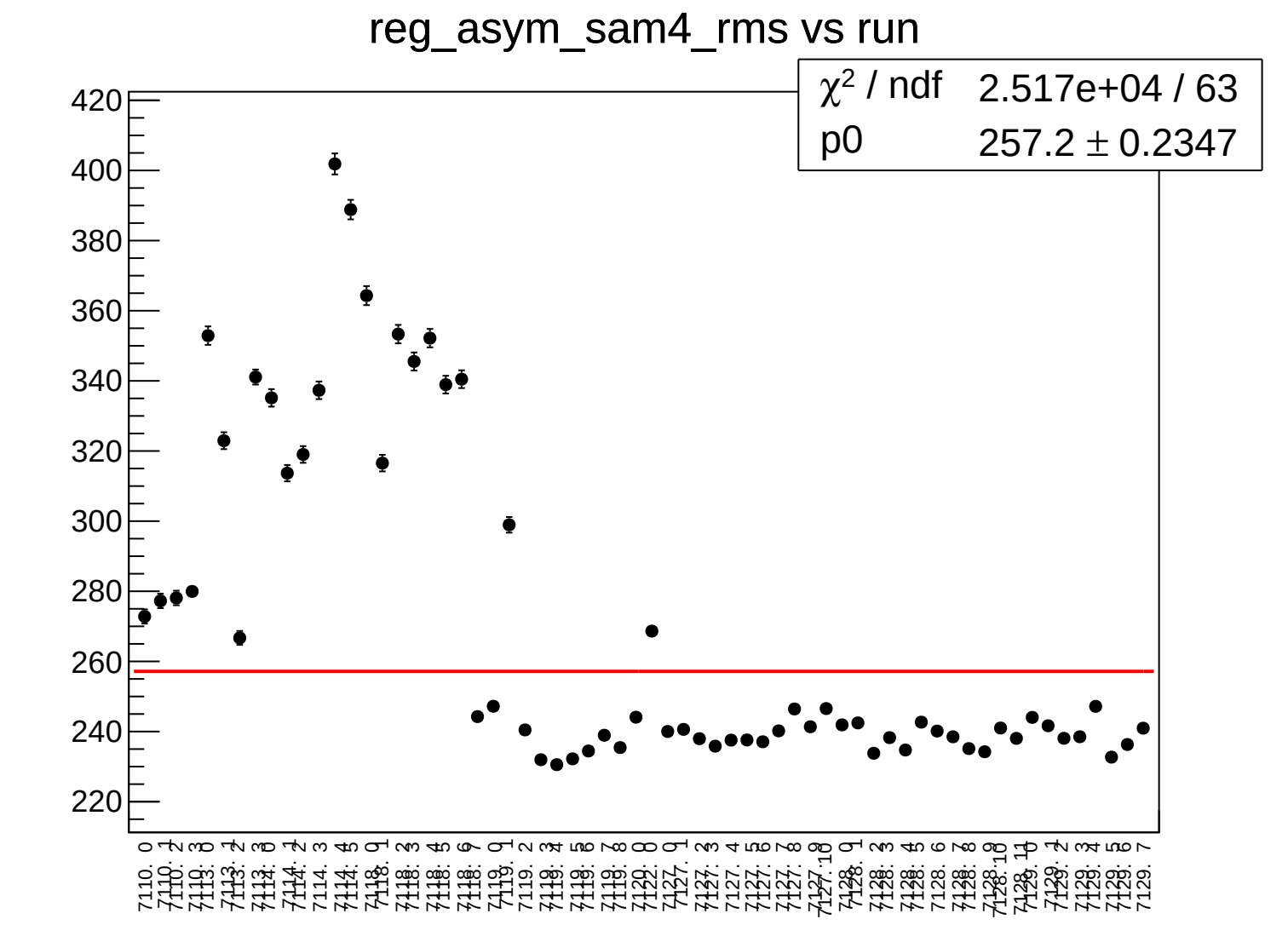

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.2 / 63
p0 −2.838e−14 ± 1.668e−14
pull
Entries 64
Mean 58.31
Std Dev 0

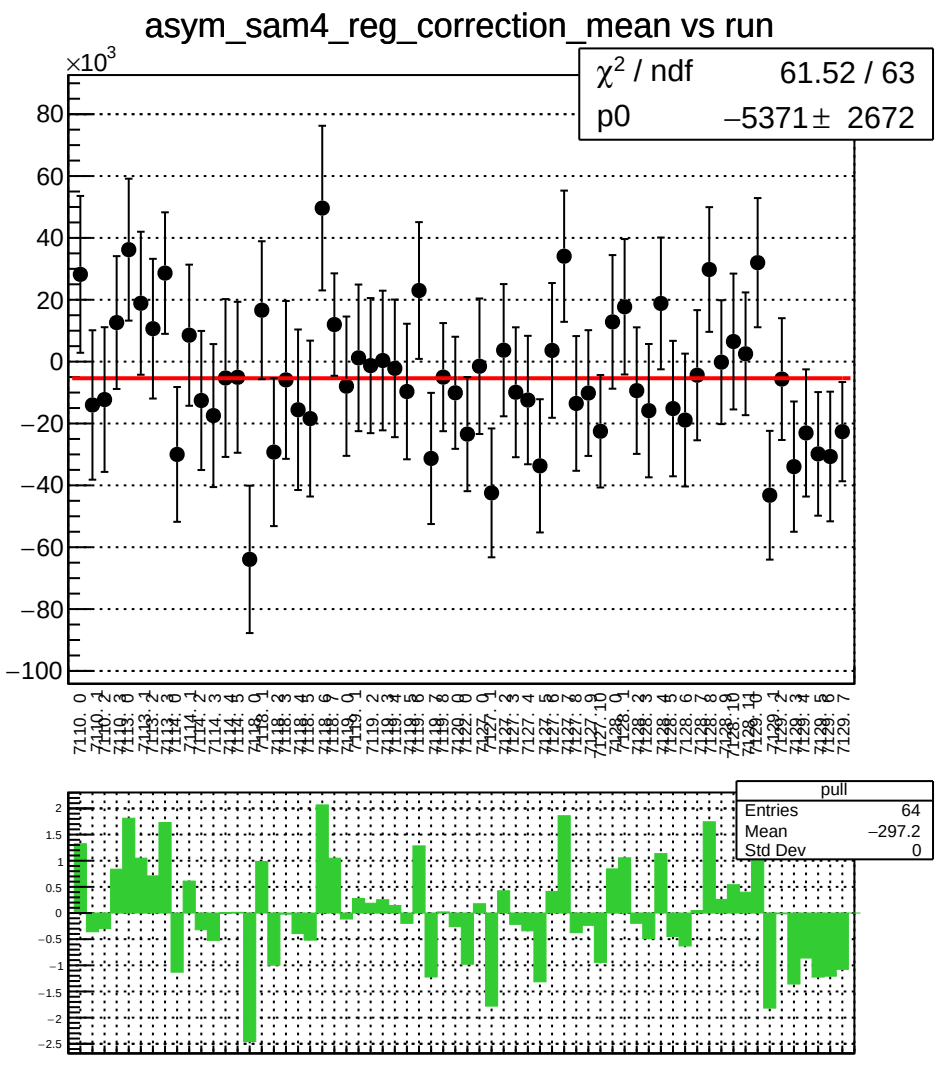

pull1D
Entries 64
Mean −0.124
Std Dev 0.97

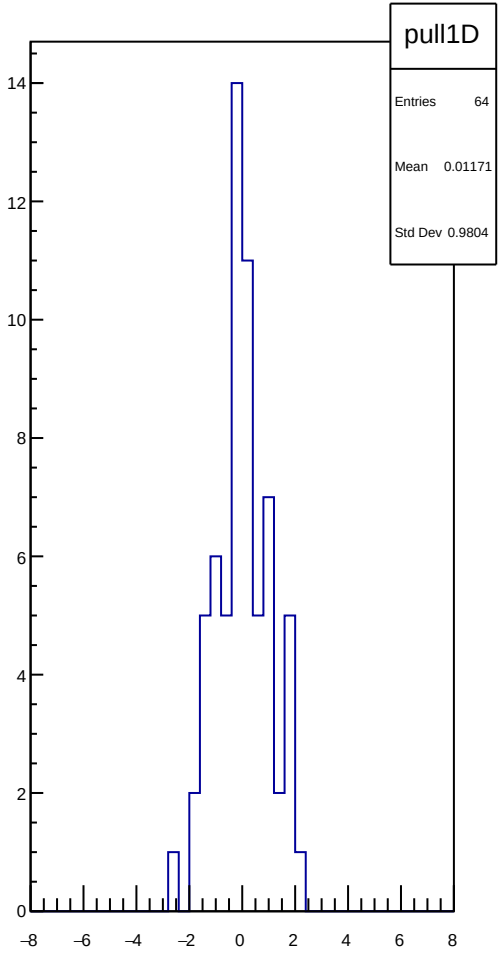

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.904e+05 / 63
p0 1.012e−11 ± 1.179e−14
60
50
40
30
20
10

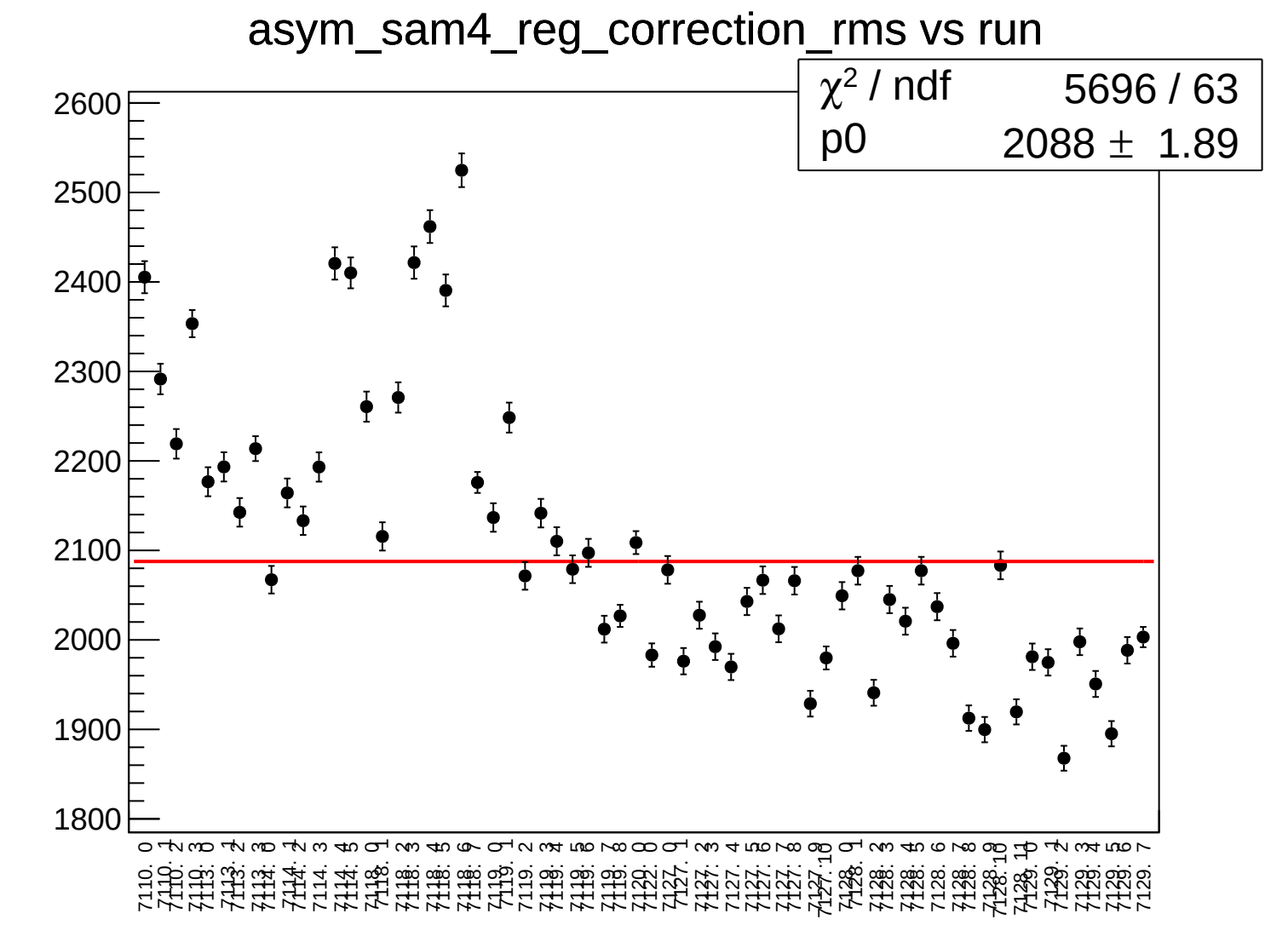

reg_asym_sam4_mean vs run
χ² / ndf 56.87 / 63
p0 223.1 ± 331.8
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −118
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

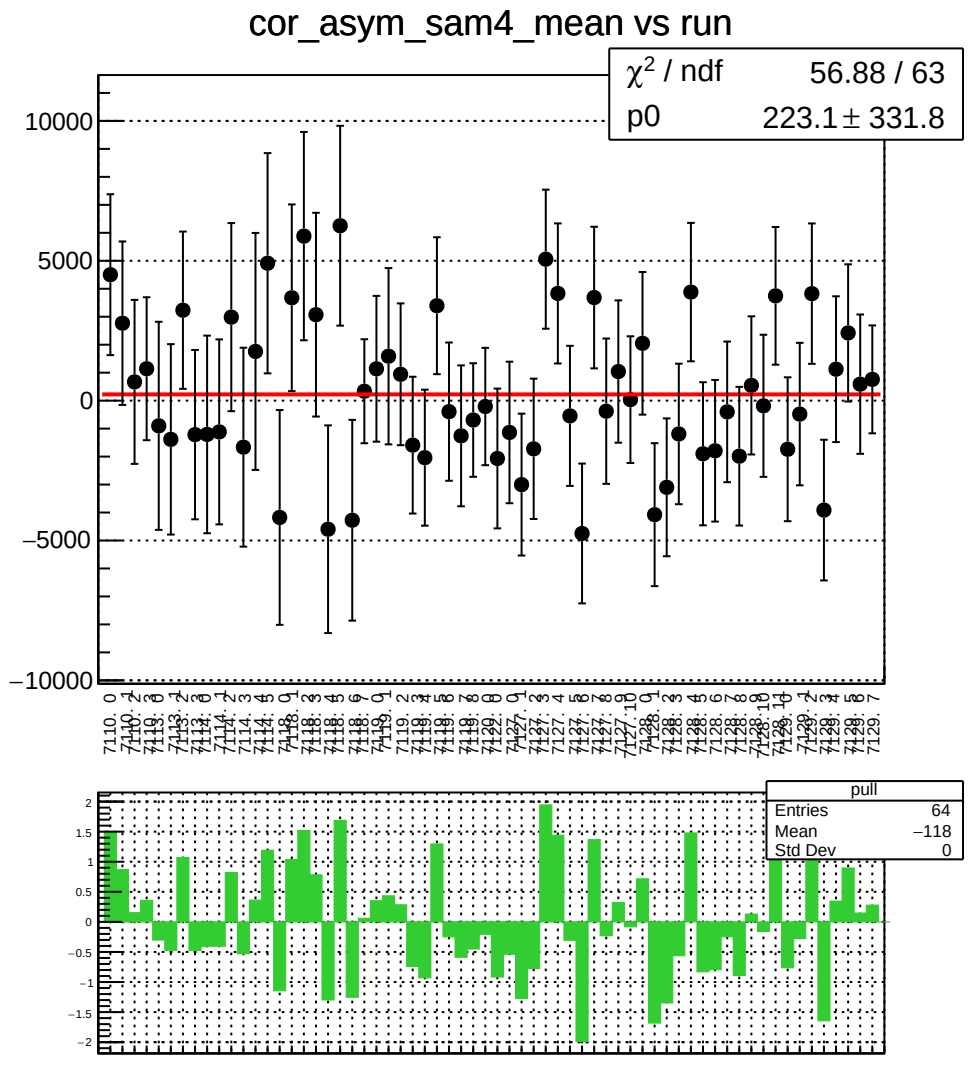

pull1D
Entries 64
Mean 0.01459
Std Dev 0.9426
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

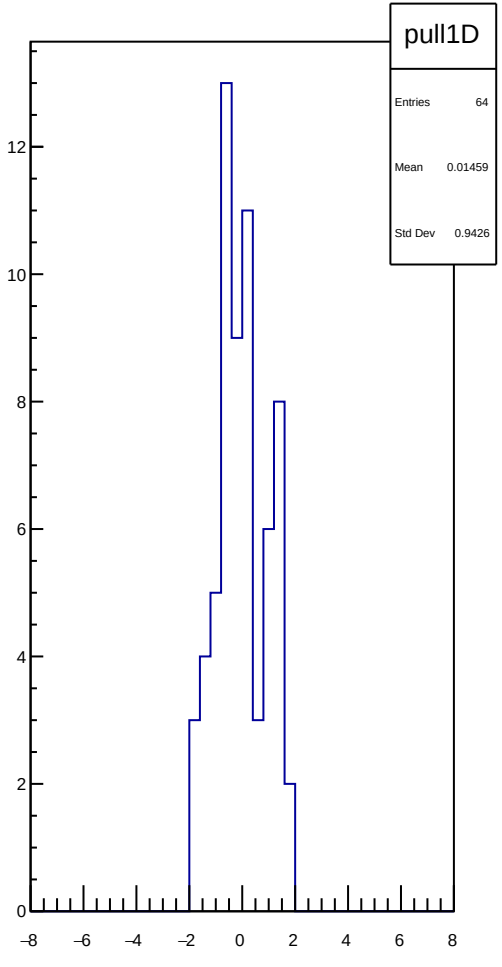

reg_asym_sam4_rms vs run
χ² / ndf 2.517e+04 / 63
p0 257.2 ± 0.2347
420
400
380
360
340
320
300
280
260
240
220

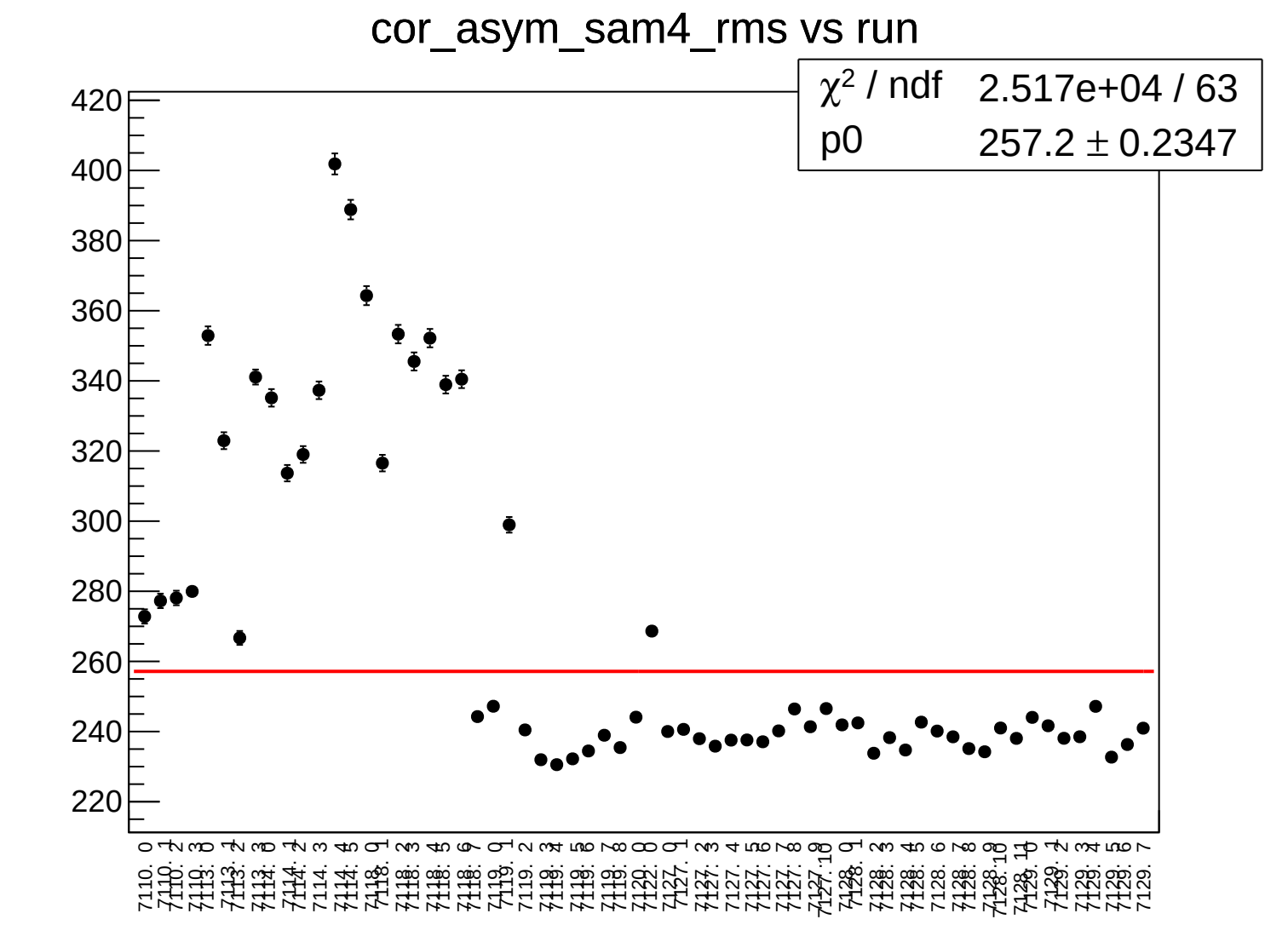

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 61.52 / 63
p0 −5371 ± 2672
pull
Entries 64
Mean −297.2
Std Dev 0

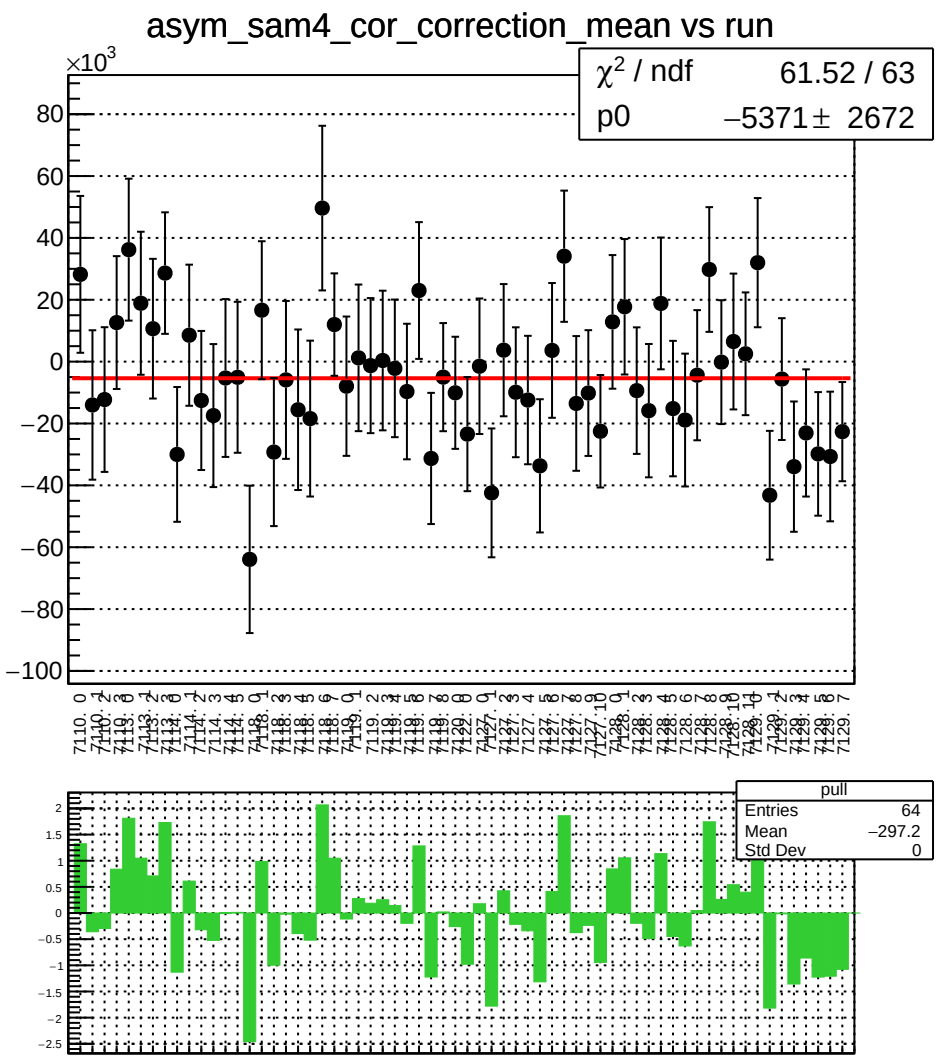

pull1D
Entries 64
Mean 0.01171
Std Dev 0.9804

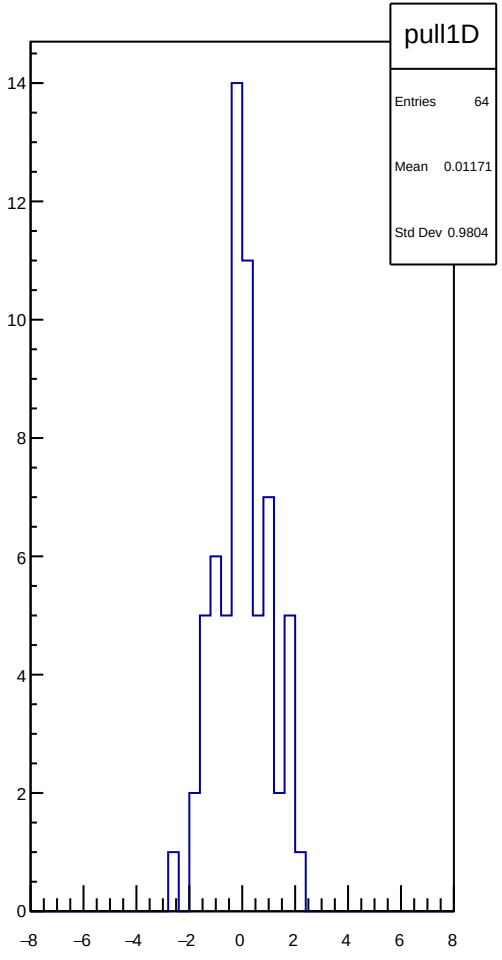

asym_sam4_reg_correction_rms vs run
χ² / ndf 5696 / 63
p0 2088 ± 1.89
2600
2500
2400
2300
2200
2100
2000
1900
1800

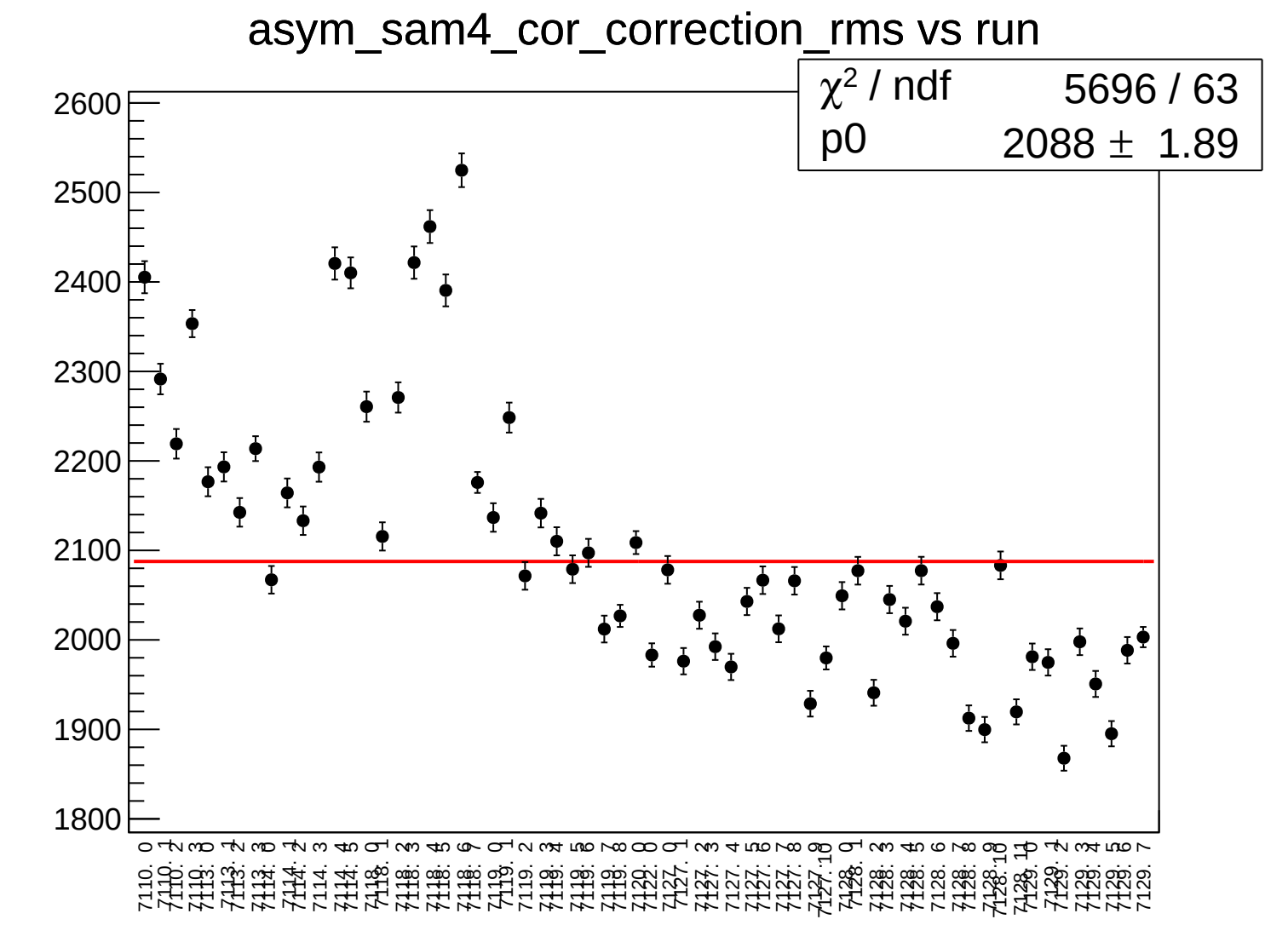

cor_asym_sam4_mean vs run
χ² / ndf 56.88 / 63
p0 223.1 ± 331.8
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −118
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

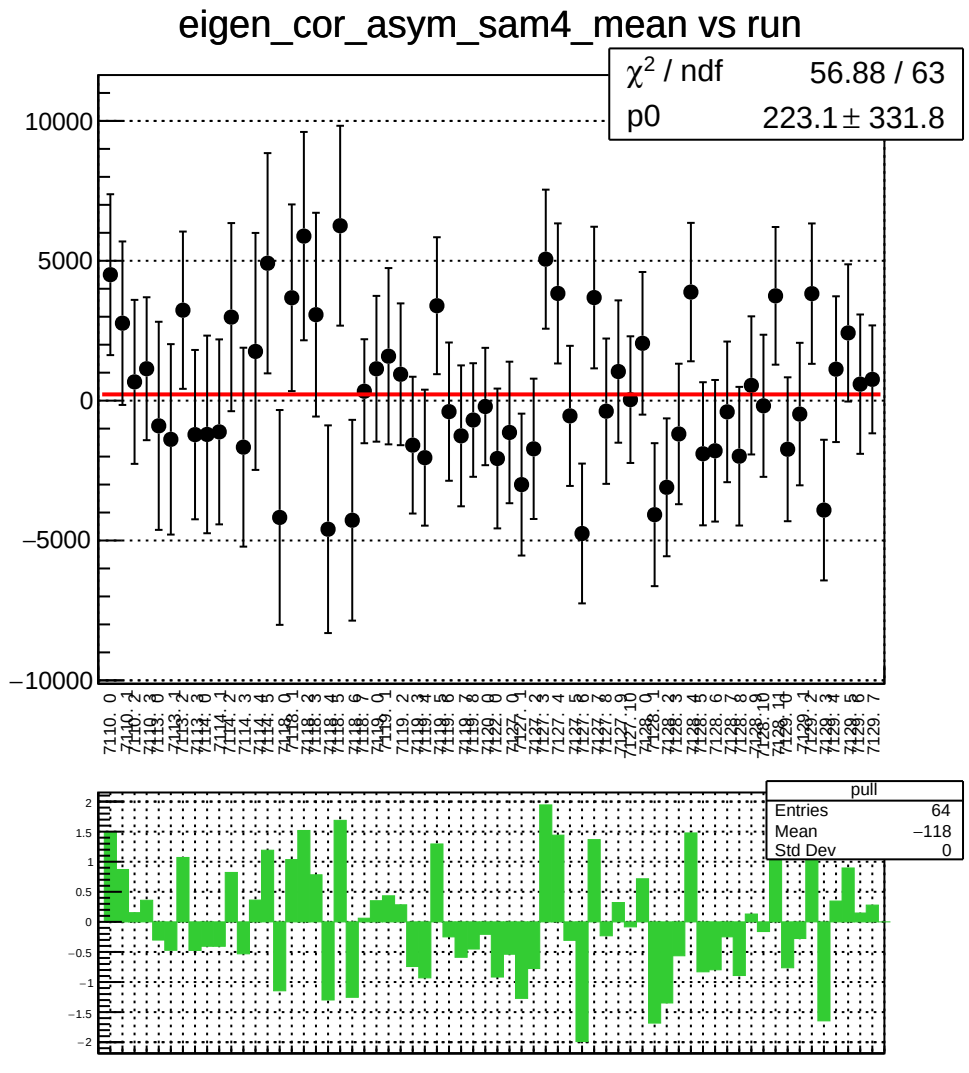

pull1D
Entries 64
Mean 0.01459
Std Dev 0.9426
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

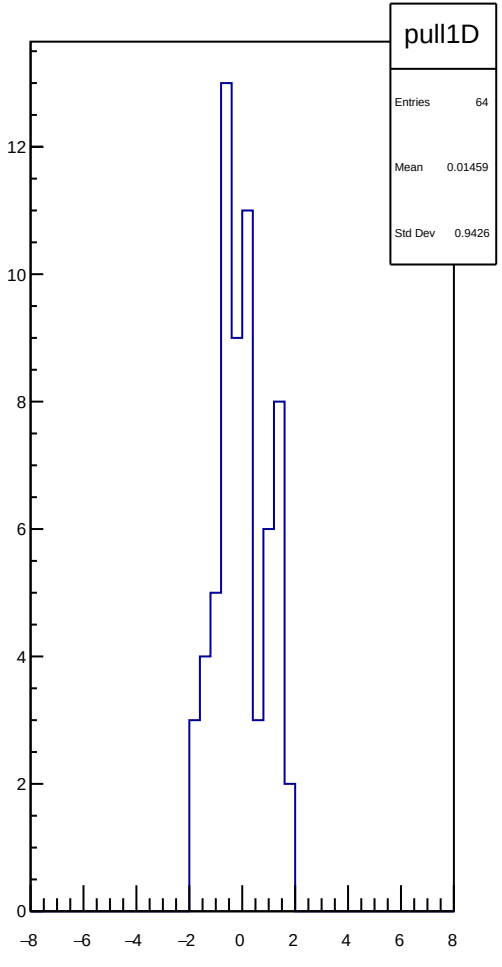

cor_asym_sam4_rms vs run
χ² / ndf 2.517e+04 / 63
p0 257.2 ± 0.2347
420
400
380
360
340
320
300
280
260
240
220

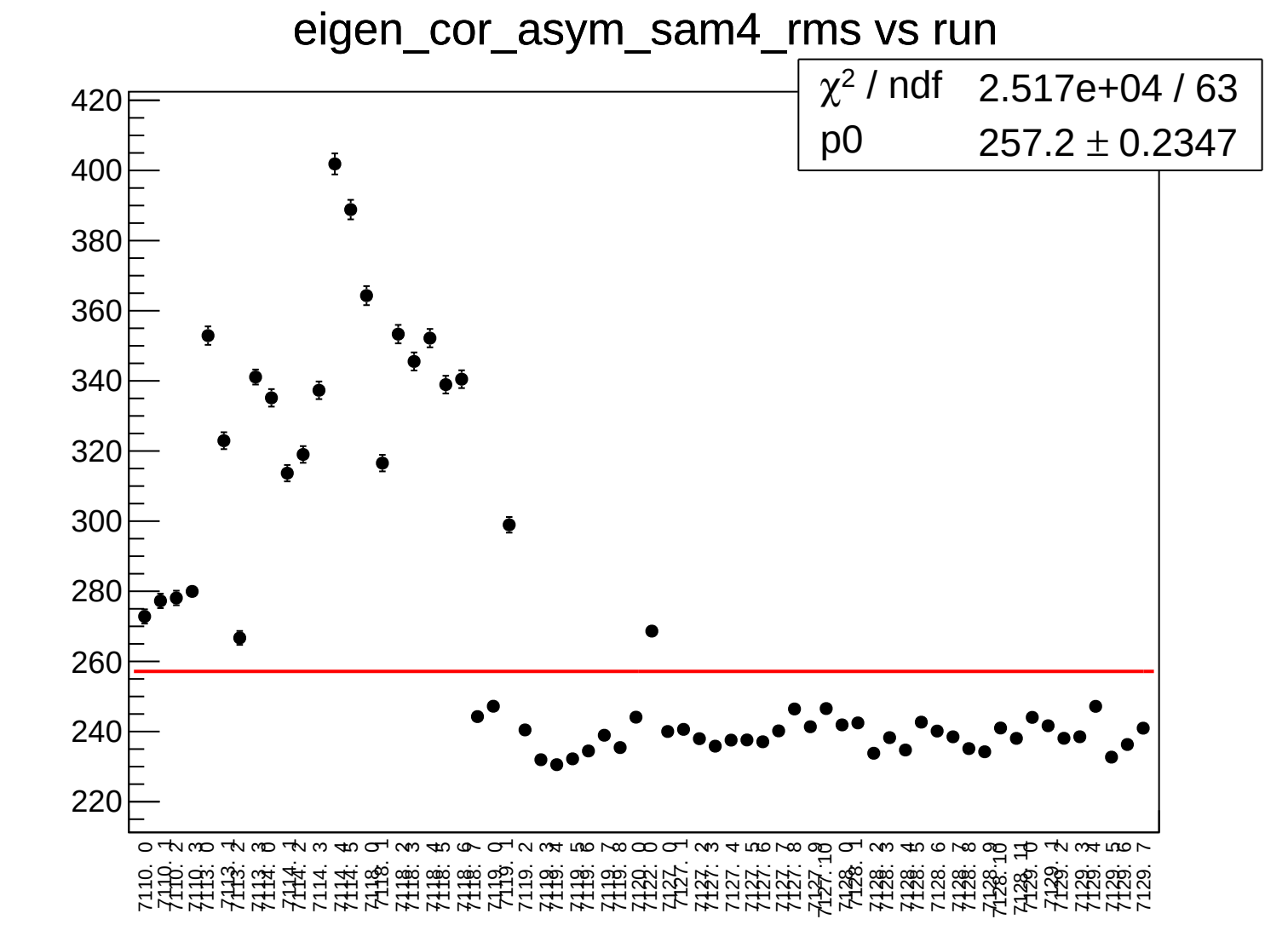

asym_sam4_cor_correction_mean vs run
χ² / ndf 61.52 / 63
p0 −5371 ± 2672
×10³
pull
Entries 64
Mean −297.2
Std Dev 0

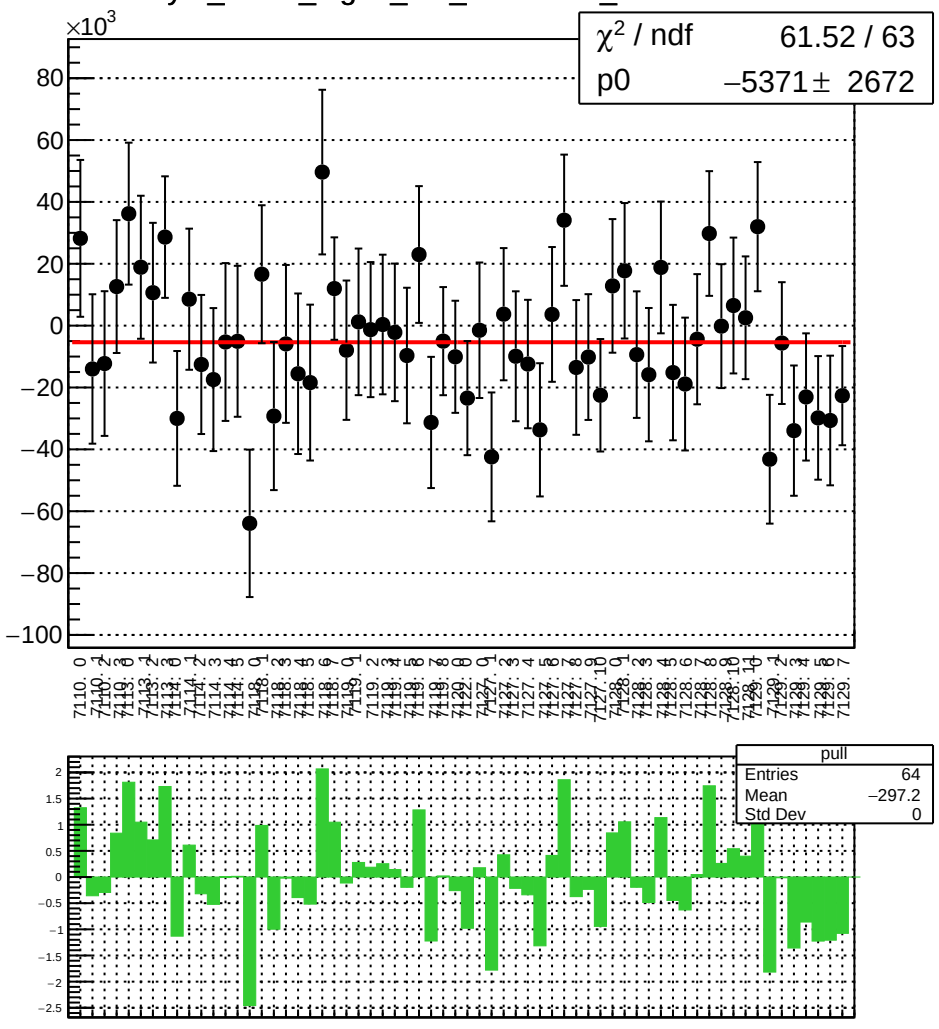

pull1D
Entries 64
Mean 0.01171
Std Dev 0.9804

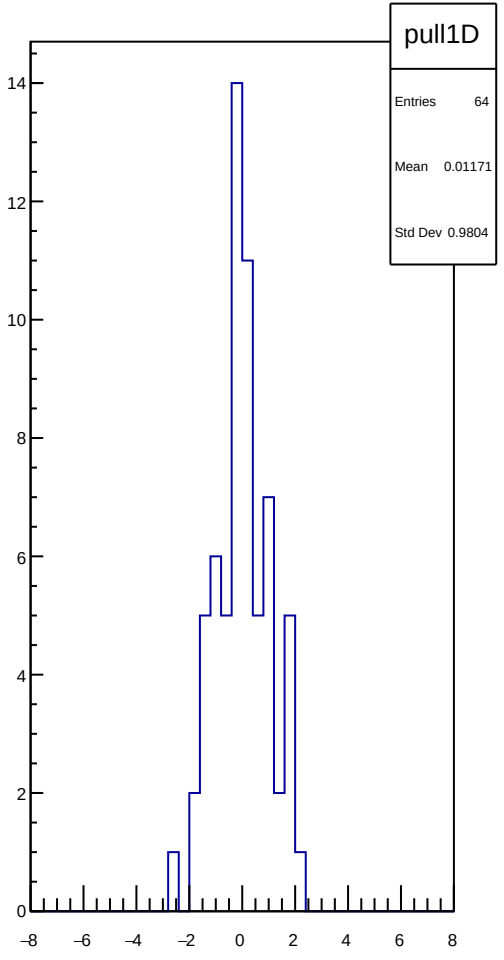

asym_sam4_cor_correction_rms vs run
χ² / ndf 5696 / 63
p0 2088 ± 1.89
2600
2500
2400
2300
2200
2100
2000
1900
1800

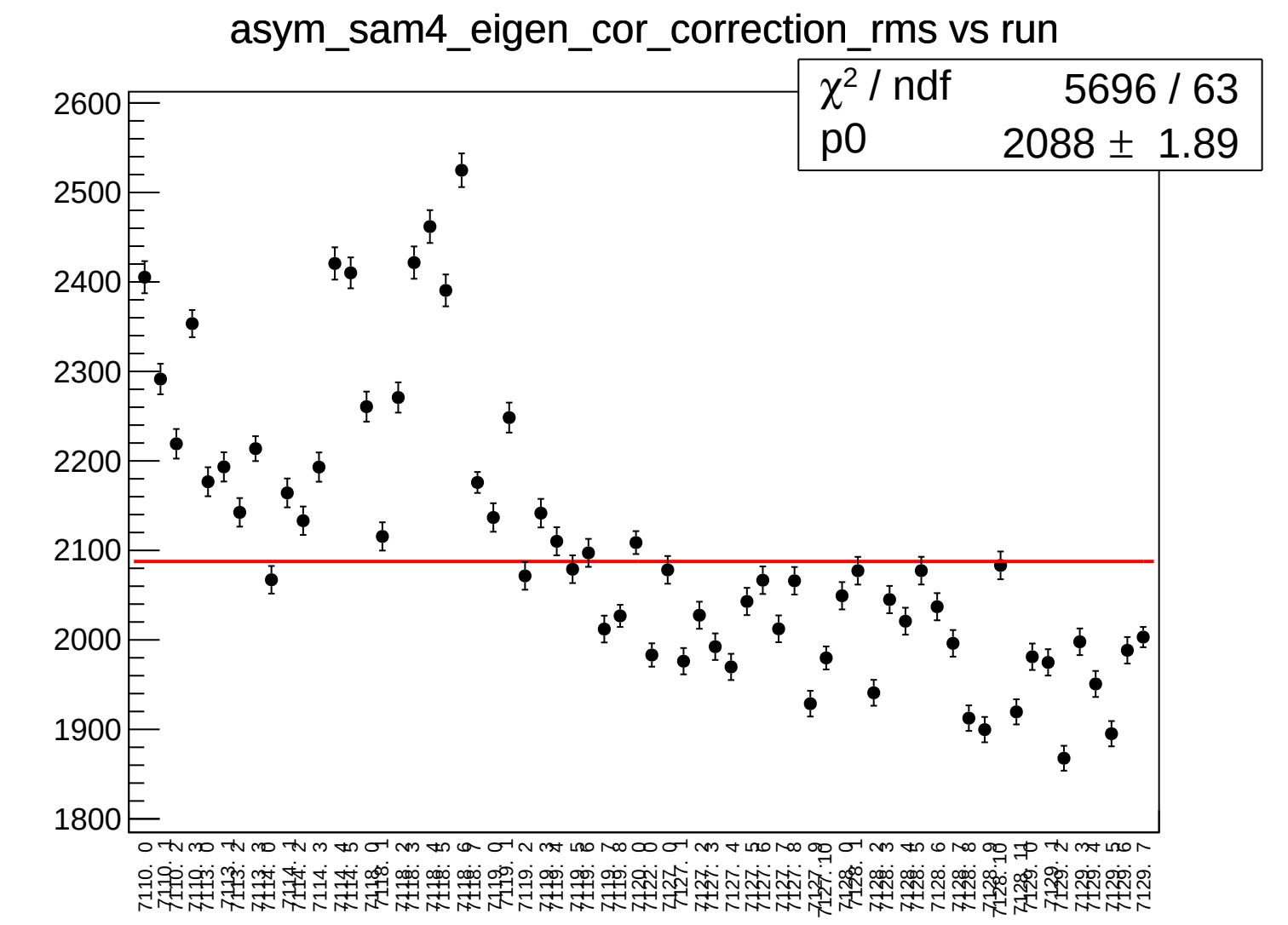

eigen_cor_asym_sam4_mean vs run
χ^2 / ndf 56.88 / 63
p0 223.1 ± 331.8
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −118
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

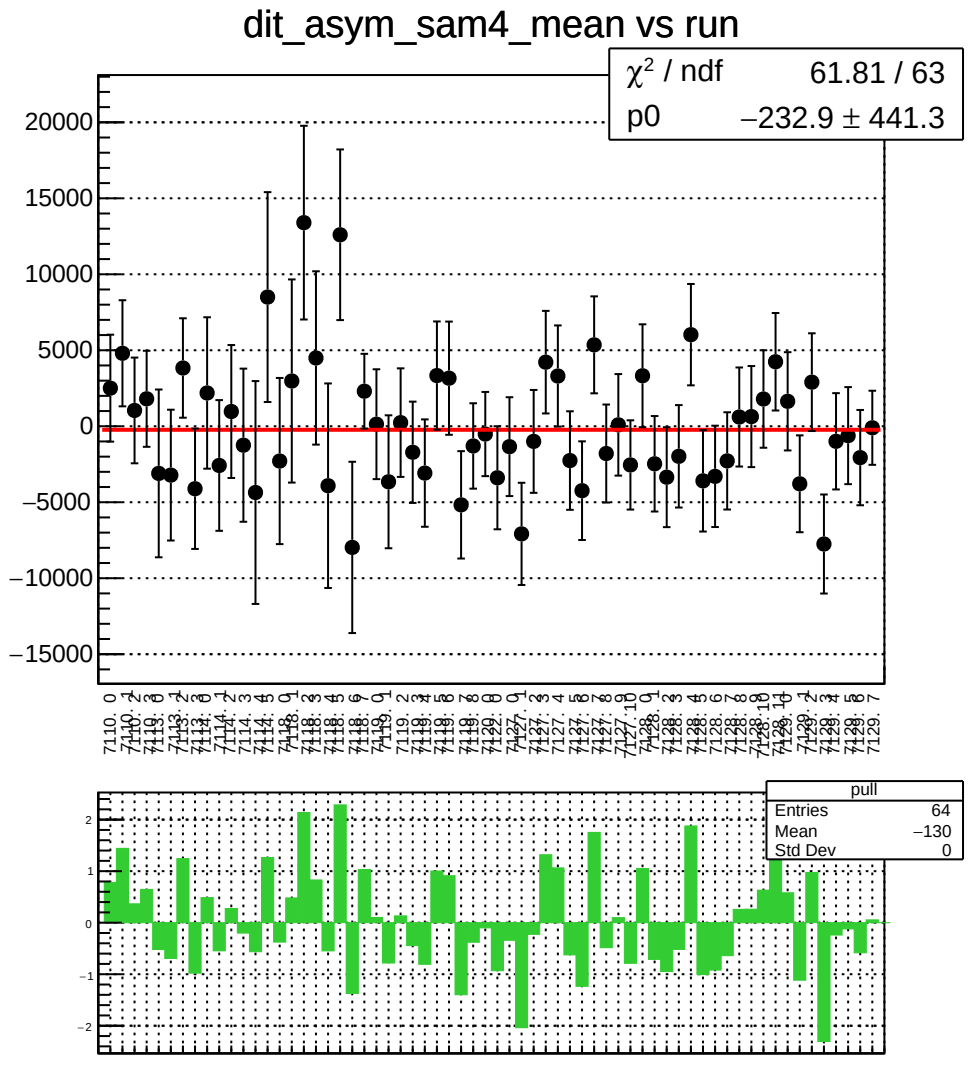

pull1D
Entries 64
Mean 0.01459
Std Dev 0.9426
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

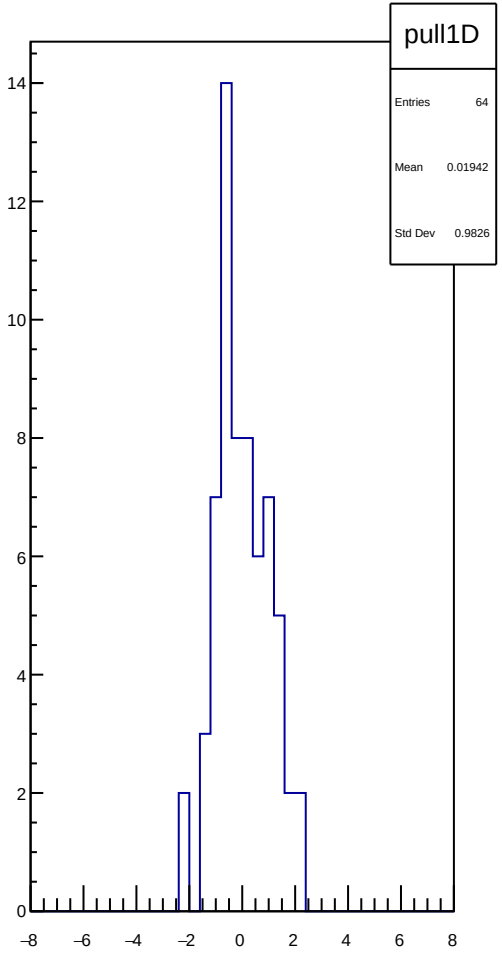

eigen_cor_asym_sam4_rms vs run
χ² / ndf 2.517e+04 / 63
p0 257.2 ± 0.2347
420
400
380
360
340
320
300
280
260
240
220

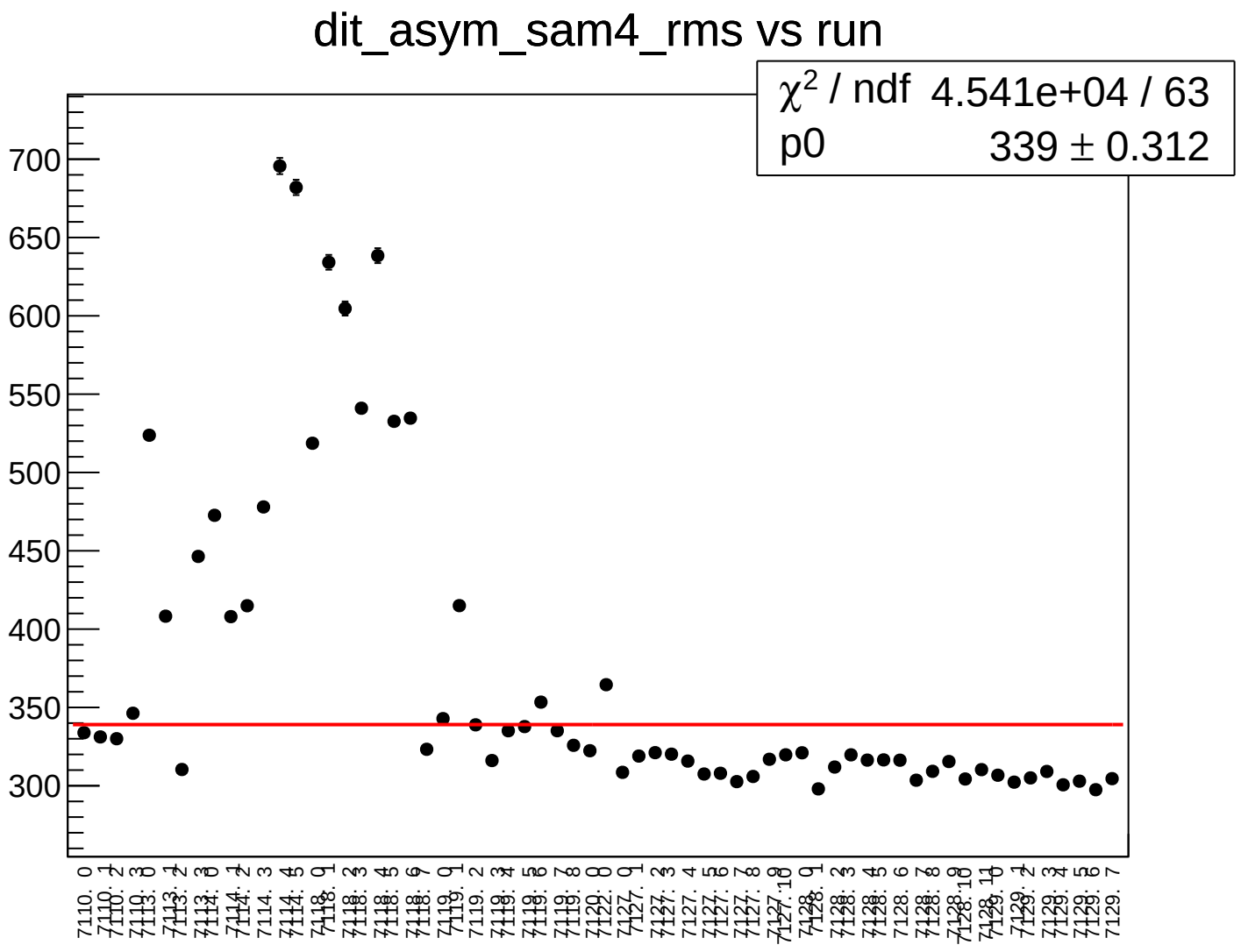

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 61.52 / 63
p0 −5371 ± 2672
pull
Entries 64
Mean −297.2
Std Dev 0

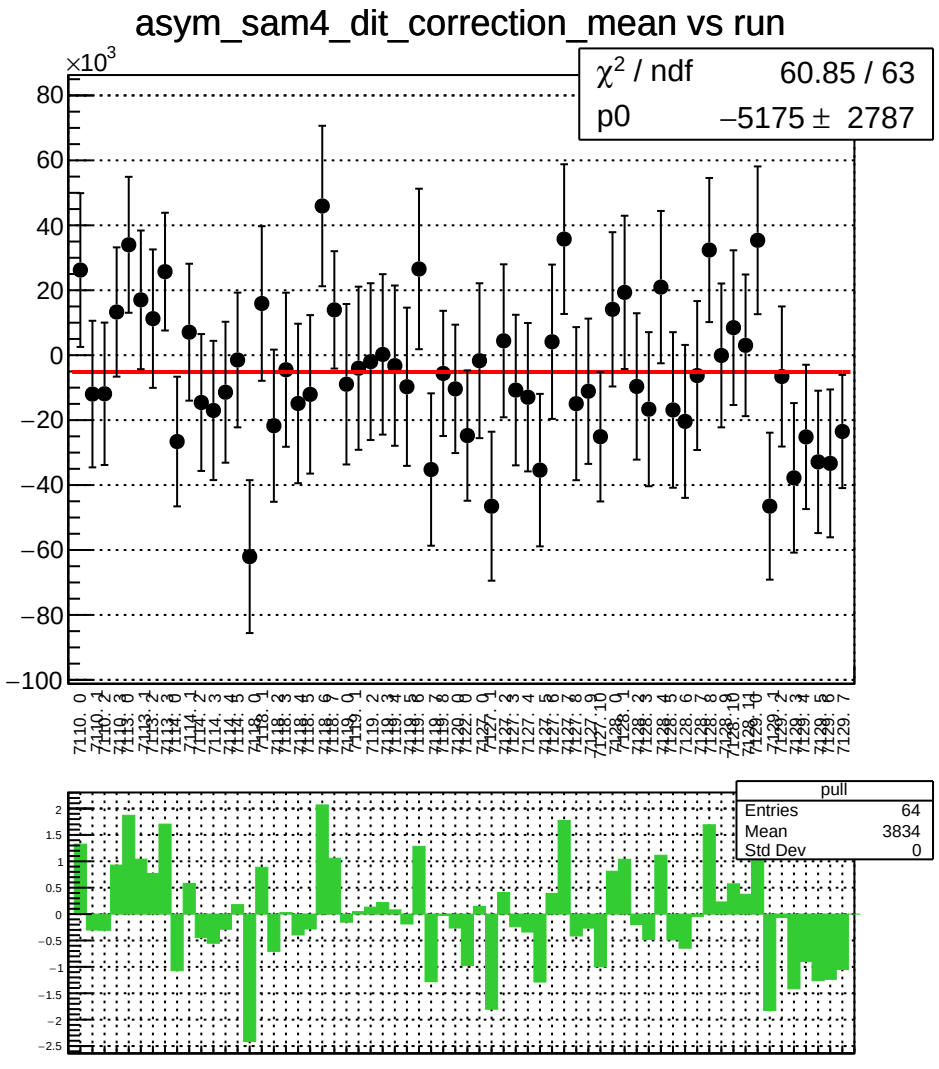

pull1D
Entries 64
Mean 0.01171
Std Dev 0.9804

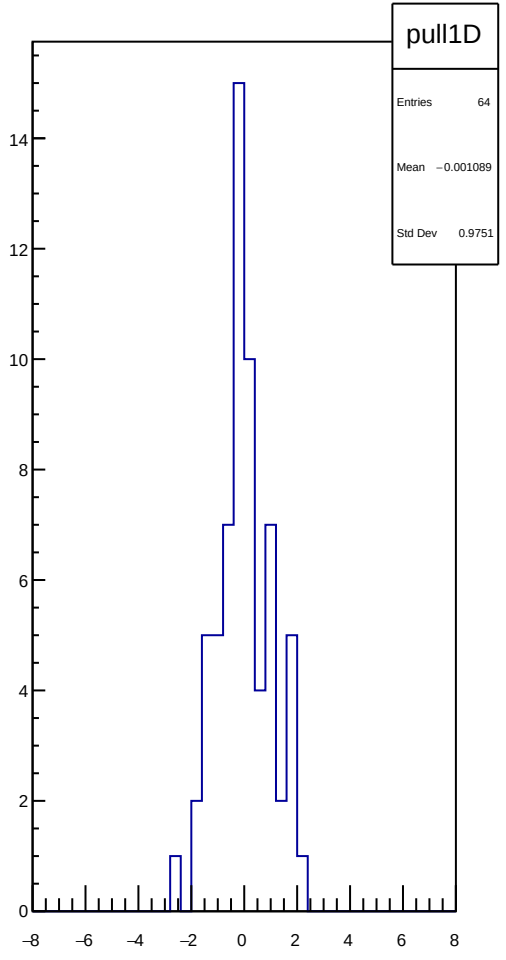

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 5696 / 63
p0 2088 ± 1.89
2600
2500
2400
2300
2200
2100
2000
1900
1800

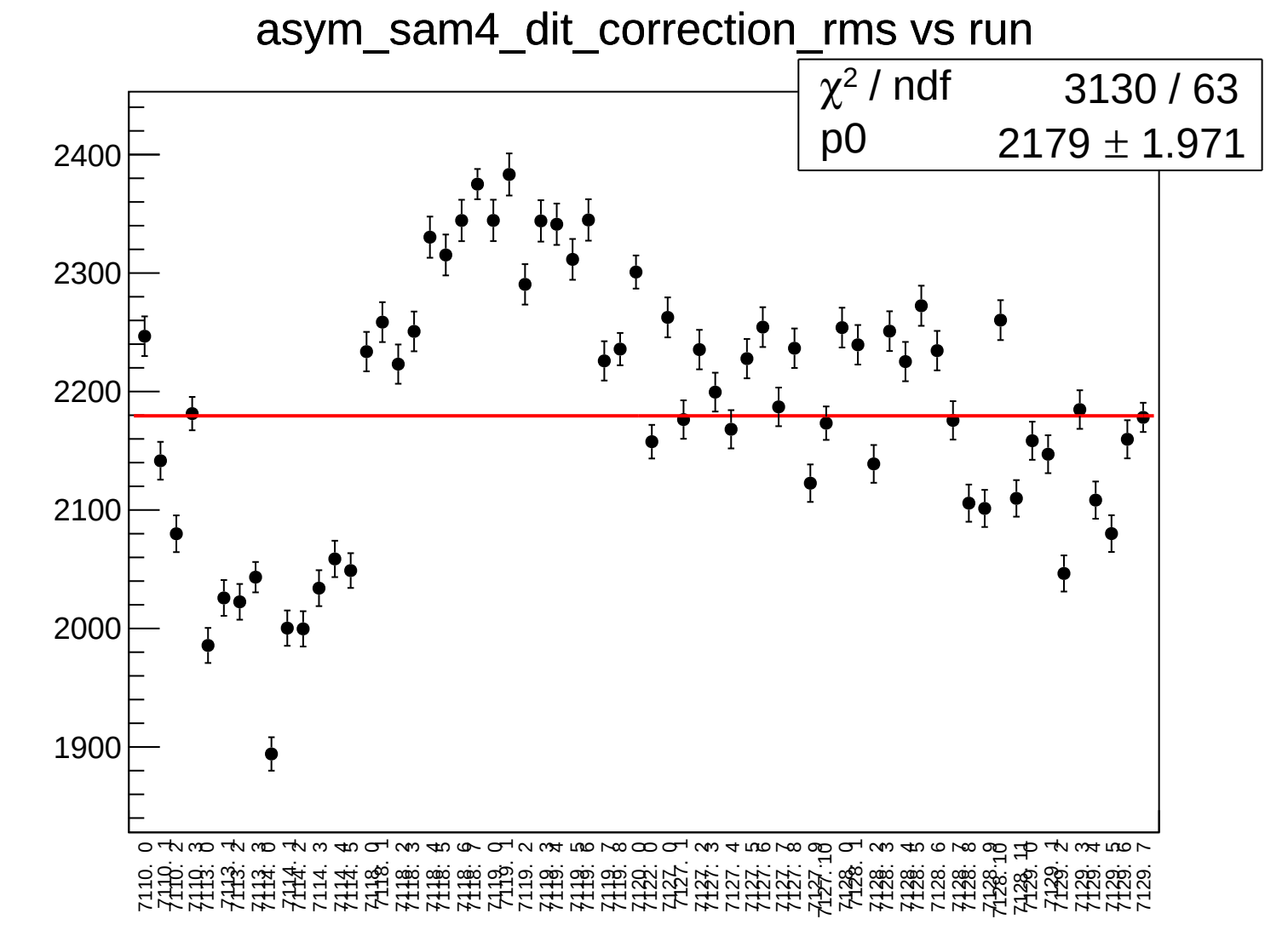

dit_asym_sam4_mean vs run
χ² / ndf 61.81 / 63
p0 −232.9 ± 441.3
pull
Entries 64
Mean −130
Std Dev 0

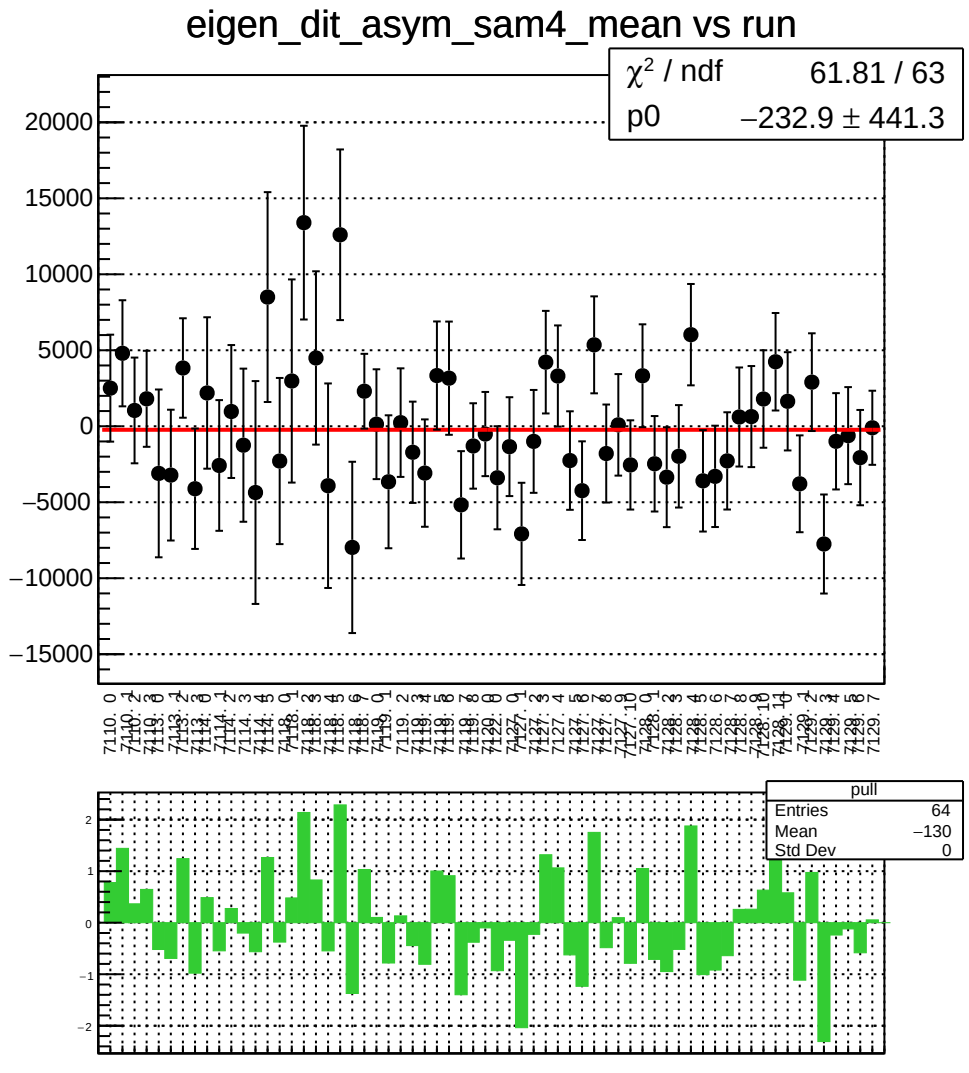

pull1D
Entries 64
Mean 0.01942
Std Dev 0.9826

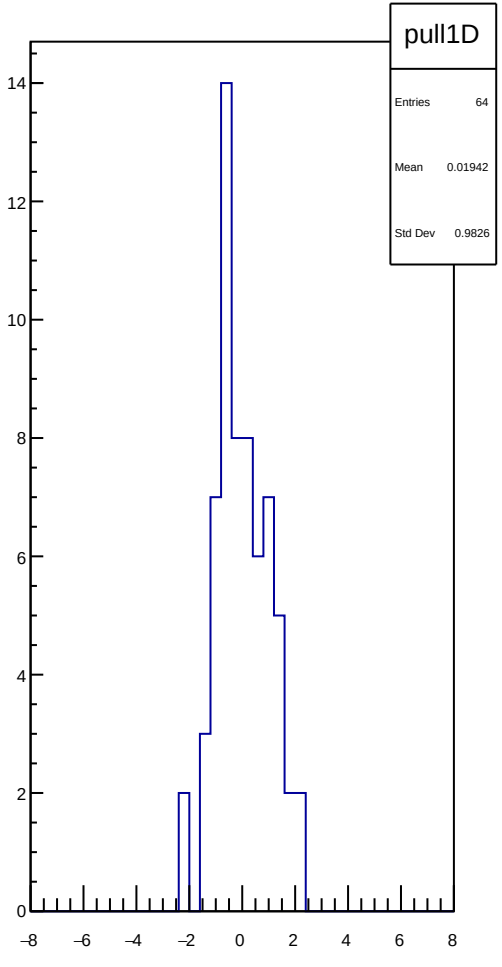

dit_asym_sam4_rms vs run
χ² / ndf 4.541e+04 / 63
p0 339 ± 0.312
700
650
600
550
500
450
400
350
300

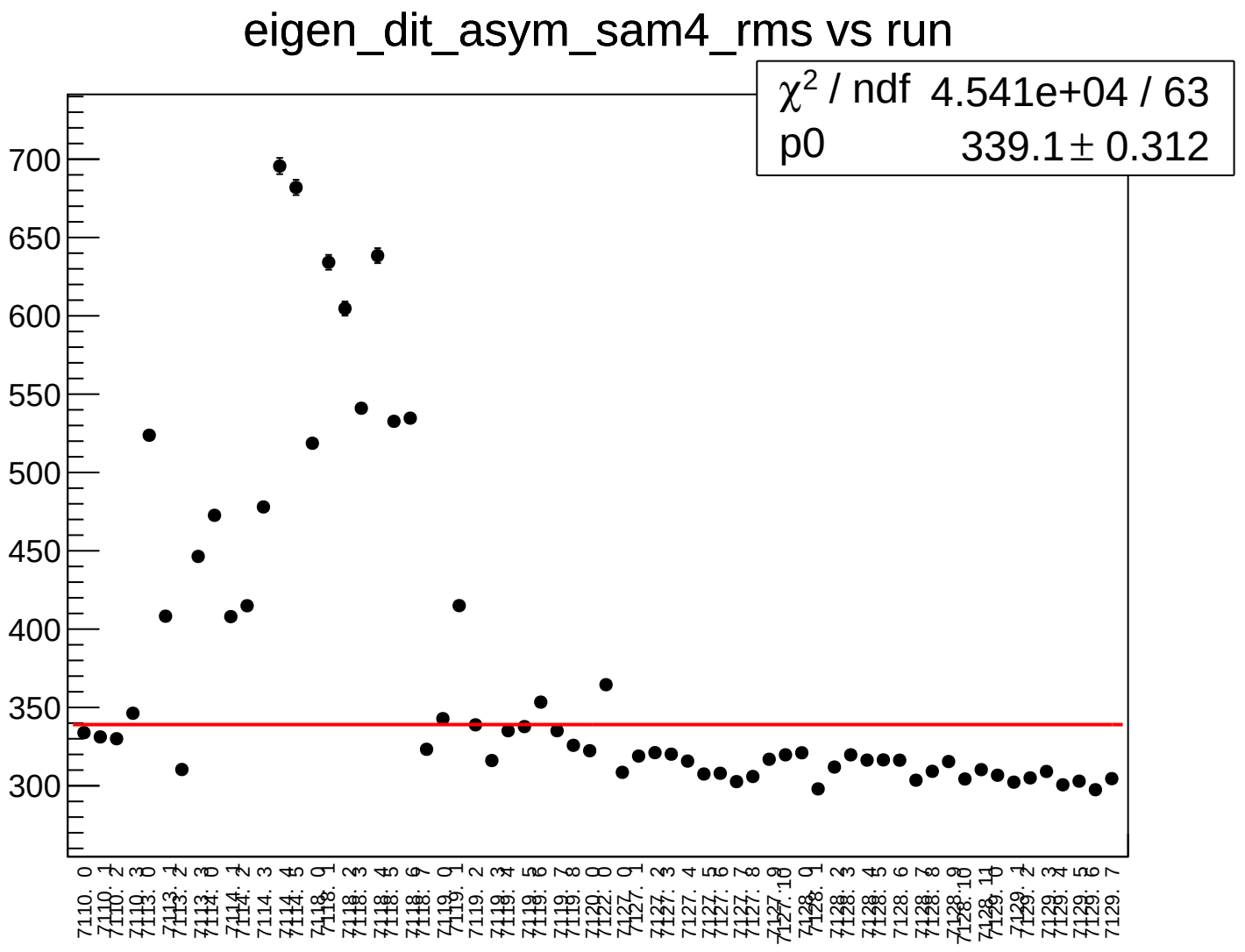

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 60.85 / 63
p0 −5175 ± 2787
pull
Entries 64
Mean 3834
Std Dev 0

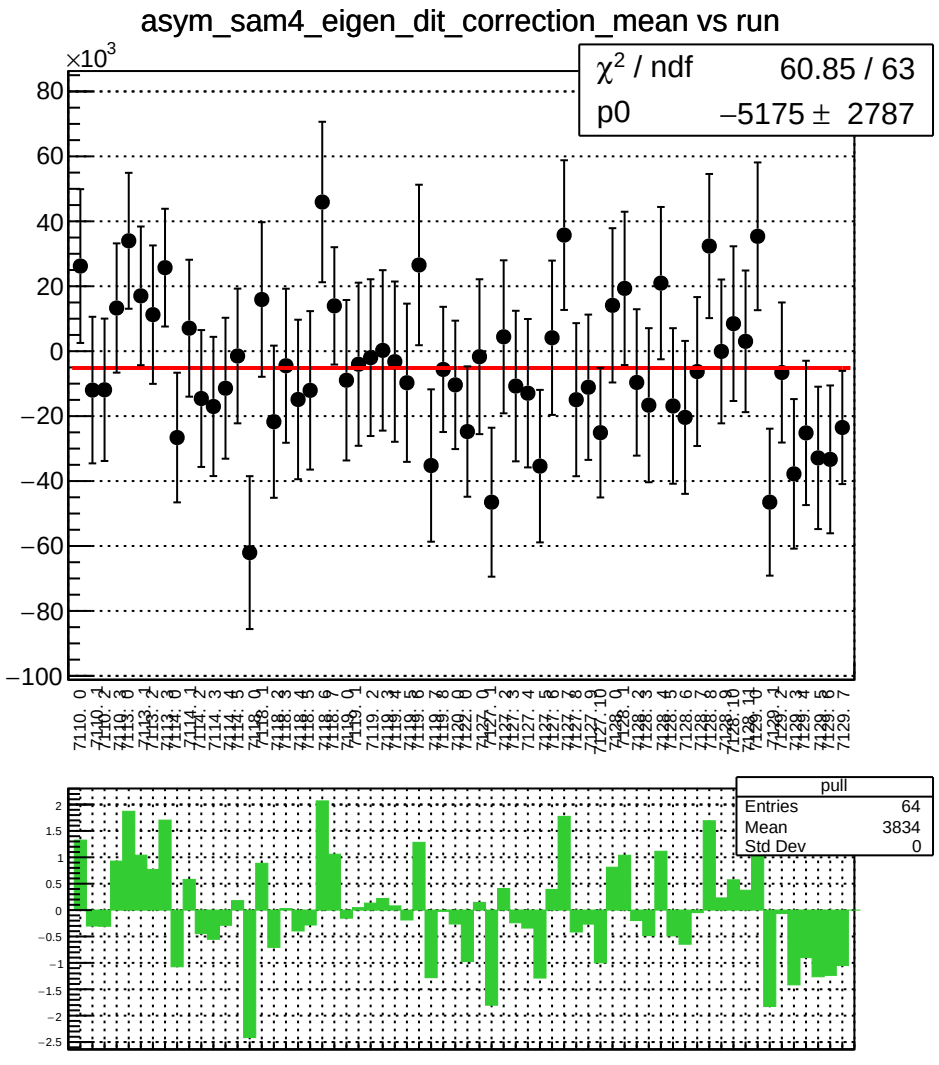

pull1D
Entries 64
Mean −0.001089
Std Dev 0.9751

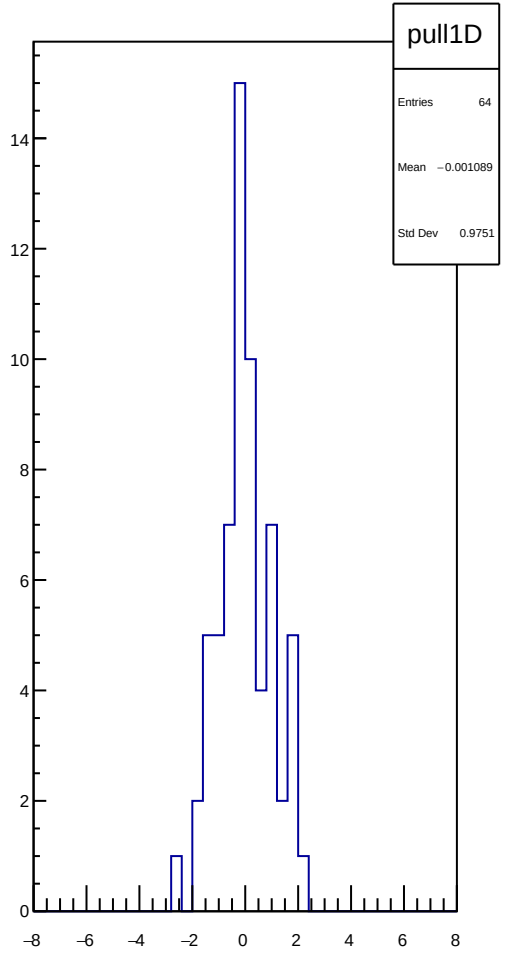

asym_sam4_dit_correction_rms vs run
χ² / ndf 3130 / 63
p0 2179 ± 1.971
2400
2300
2200
2100
2000
1900

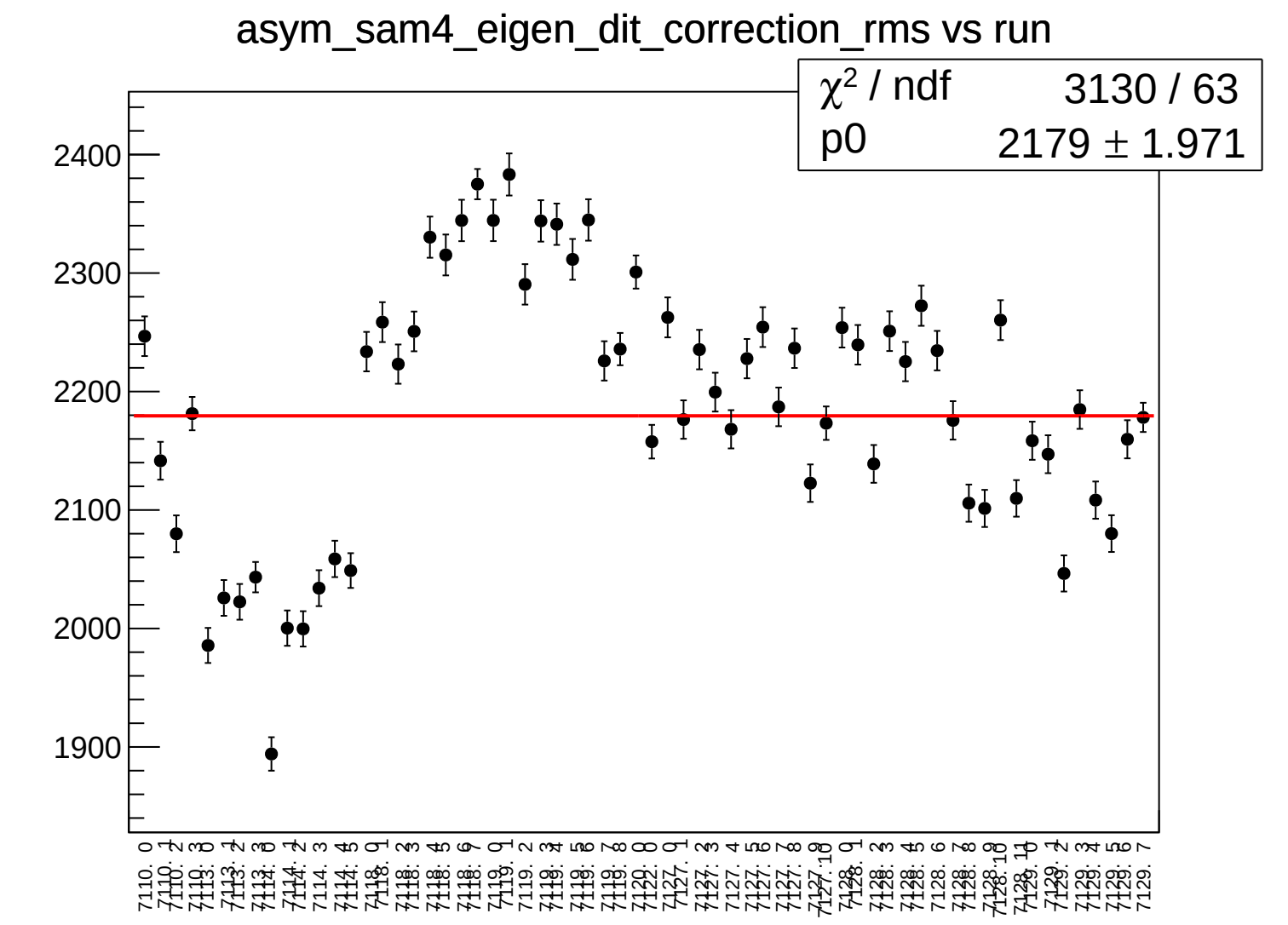

eigen_dit_asym_sam4_mean vs run
χ² / ndf 61.81 / 63
p0 −232.9 ± 441.3
pull
Entries 64
Mean −130
Std Dev 0

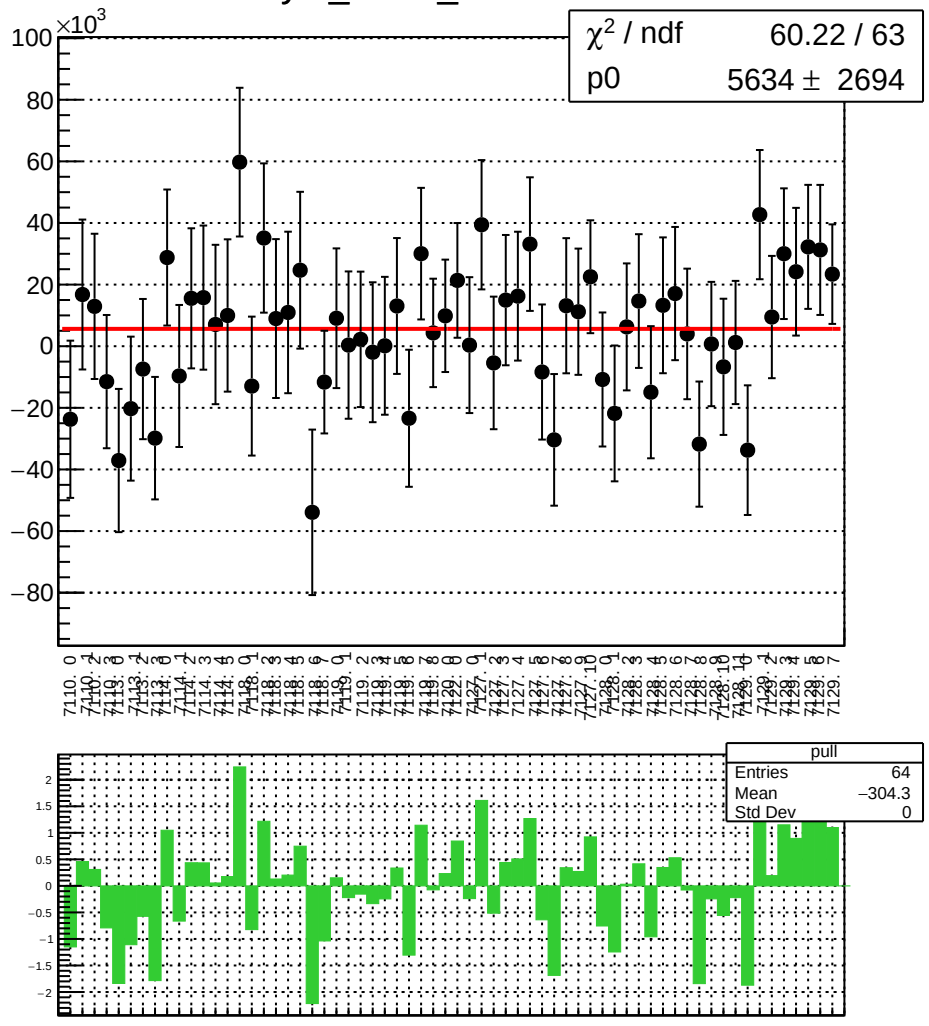

pull1D
Entries 64
Mean 0.01942
Std Dev 0.9826

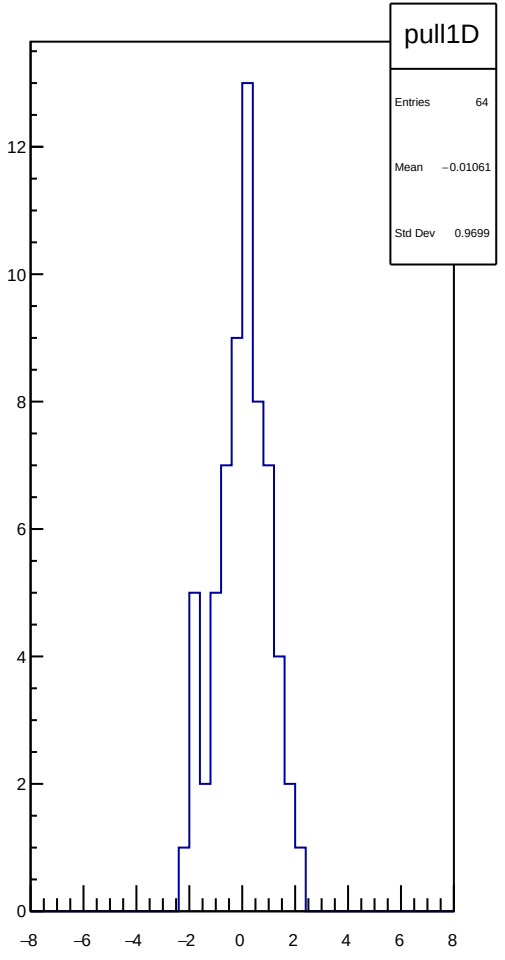

eigen_dit_asym_sam4_rms vs run
χ^2 / ndf 4.541e+04 / 63
p0 339.1 ± 0.312
700
650
600
550
500
450
400
350
300

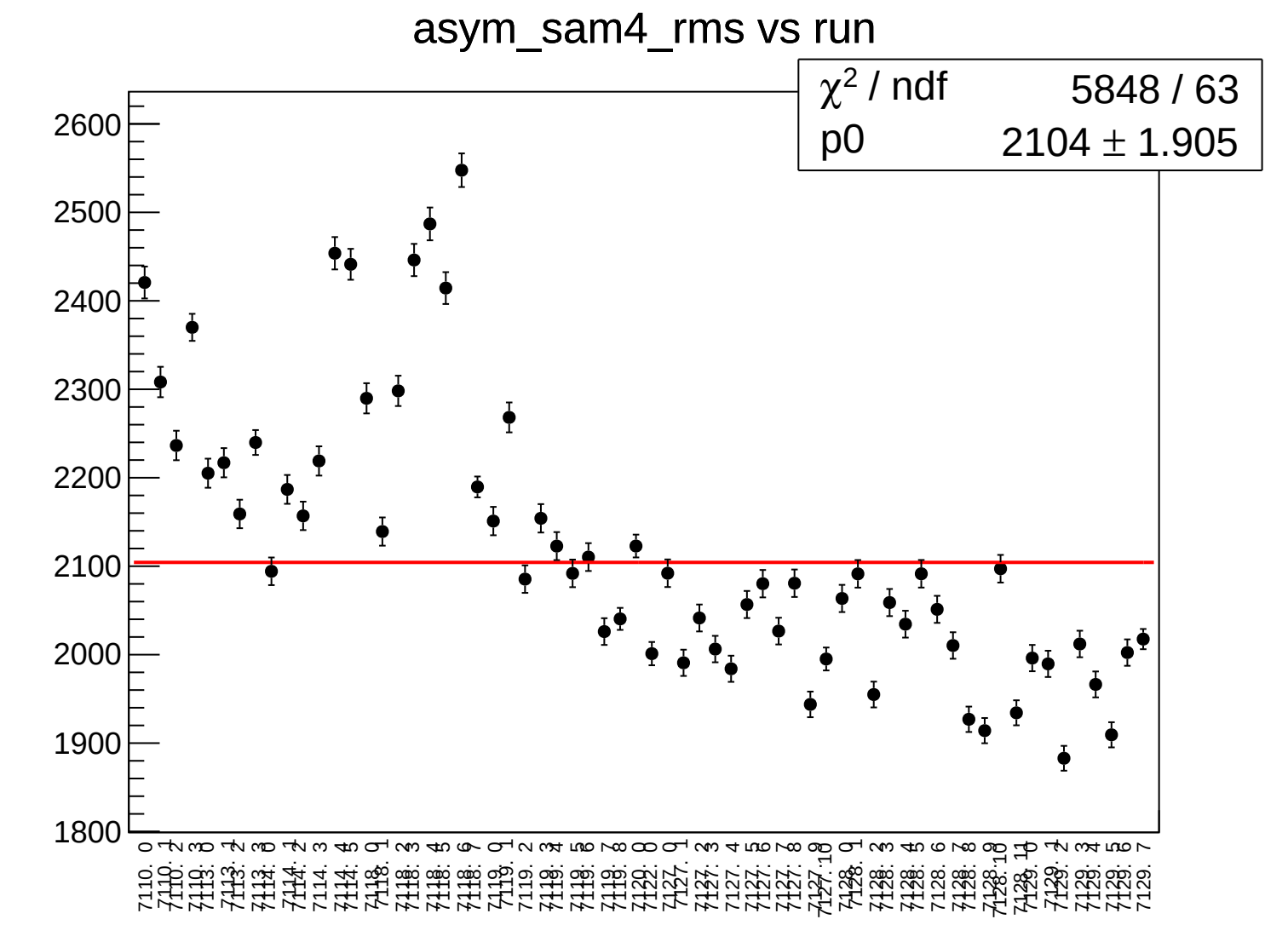

asym_sam4_eigen_dit_correction_mean vs run
χ² / ndf 60.85 / 63
p0 −5175 ± 2787
pull
Entries 64
Mean 3834
Std Dev 0

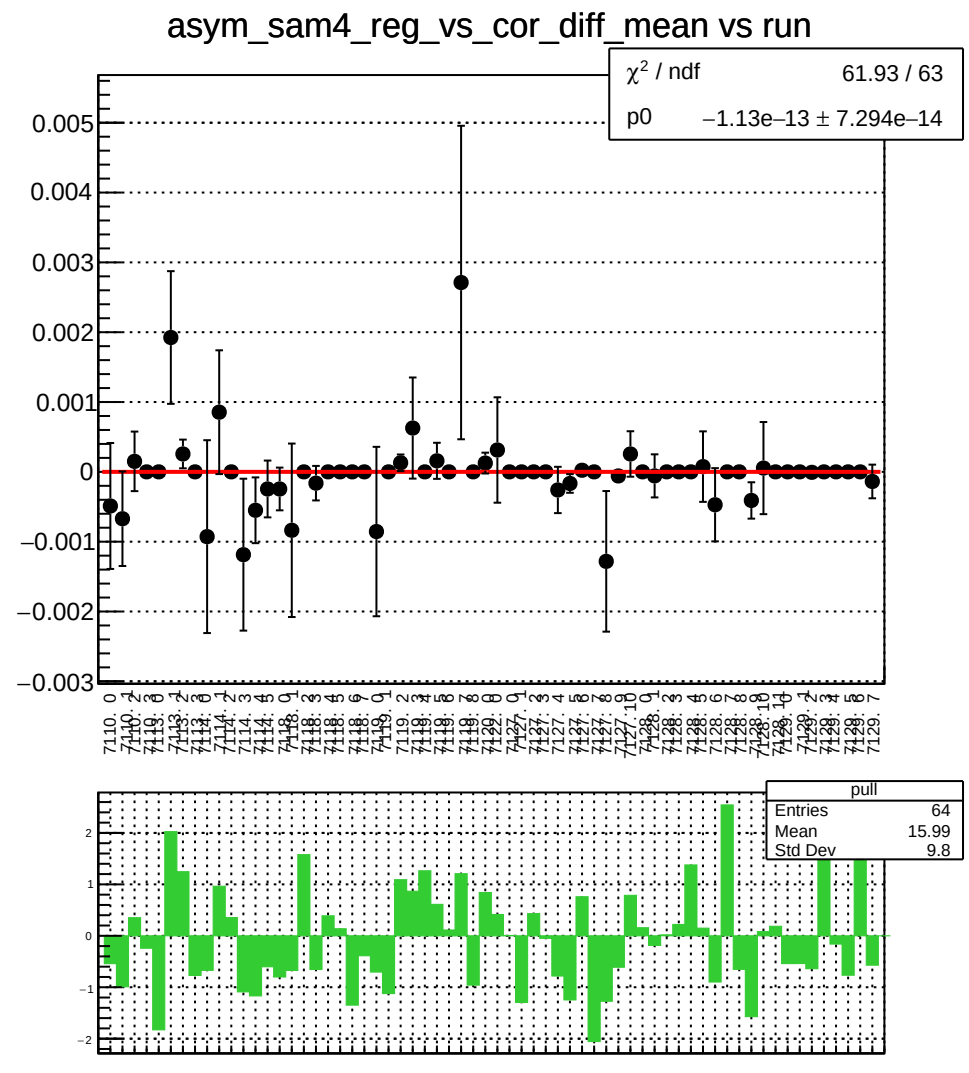

pull1D
Entries 64
Mean −0.001089
Std Dev 0.9751

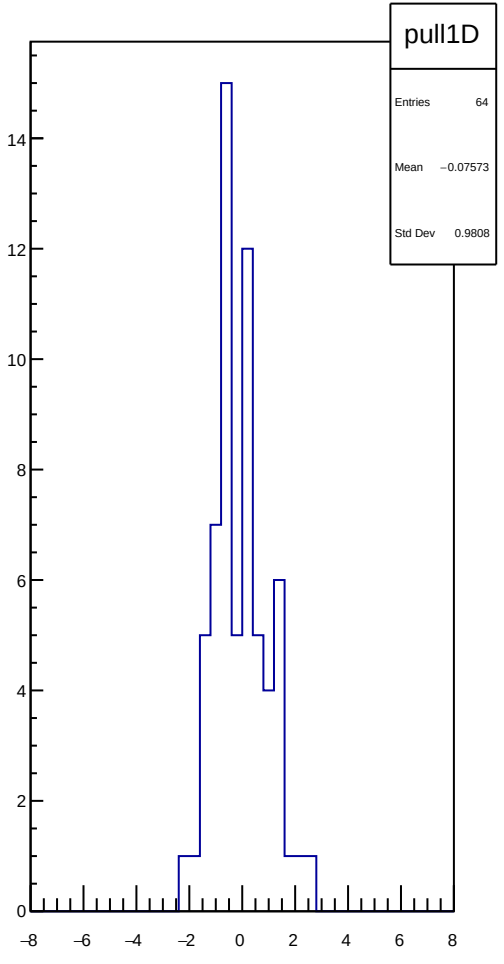

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 3130 / 63
p0 2179 ± 1.971
2400
2300
2200
2100
2000
1900

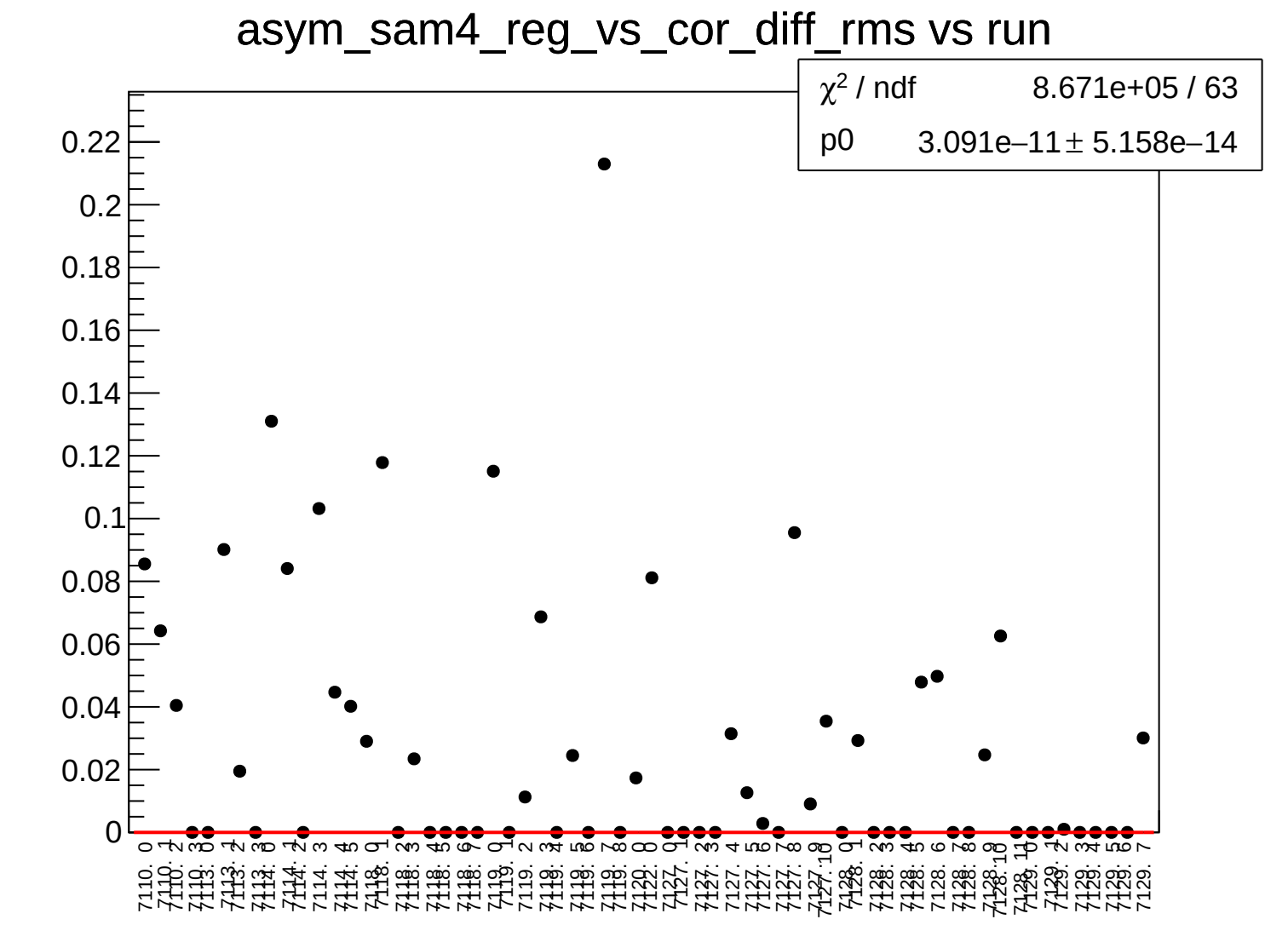

asym_sam4_mean vs run
×10^3
χ² / ndf 60.22 / 63
p0 5634 ± 2694
pull
Entries 64
Mean −304.3
Std Dev 0

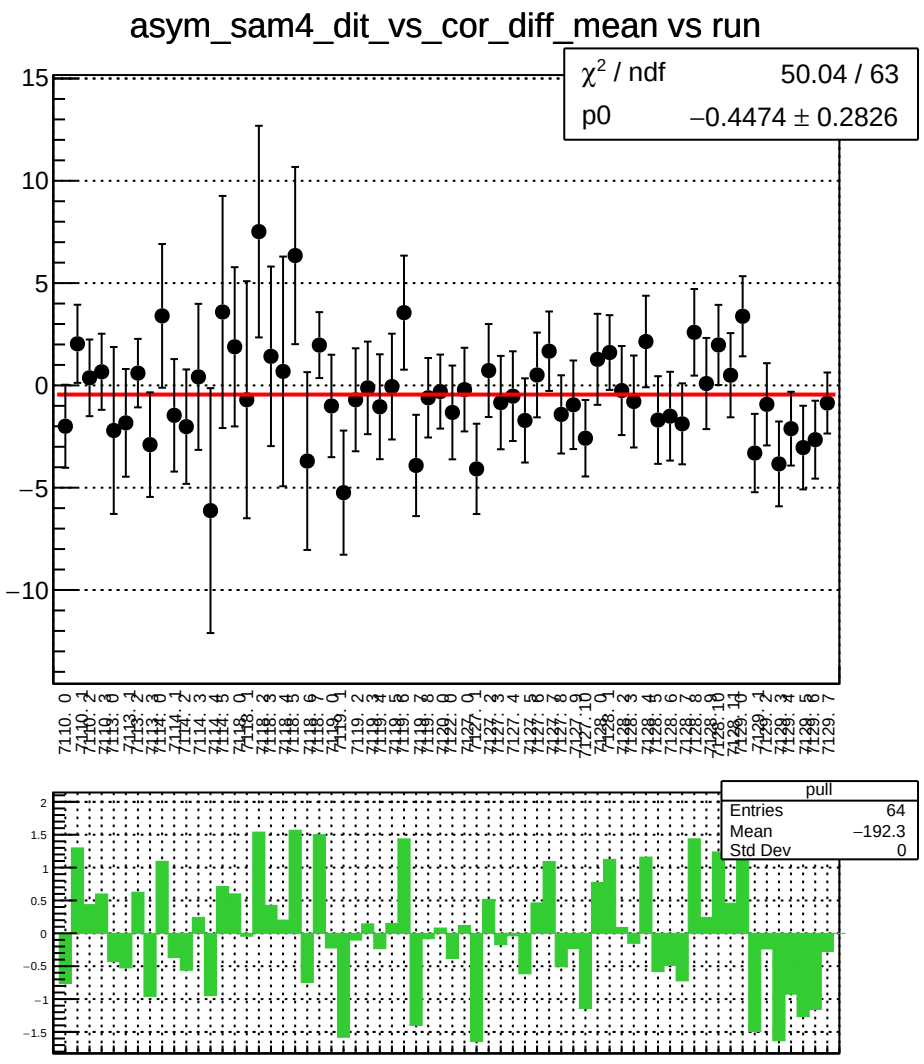

pull1D
Entries 64
Mean −0.01061
Std Dev 0.9699

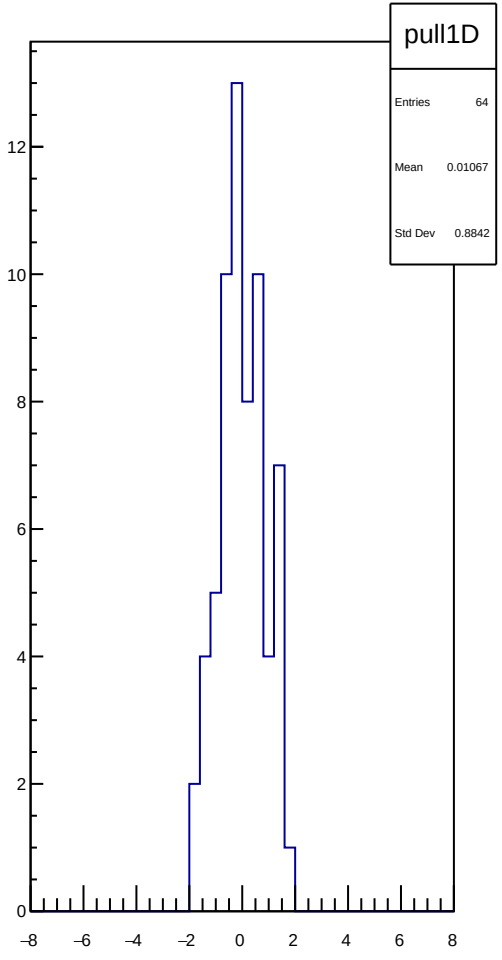

asym_sam4_rms vs run
χ² / ndf 5848 / 63
p0 2104 ± 1.905
2600
2500
2400
2300
2200
2100
2000
1900
1800

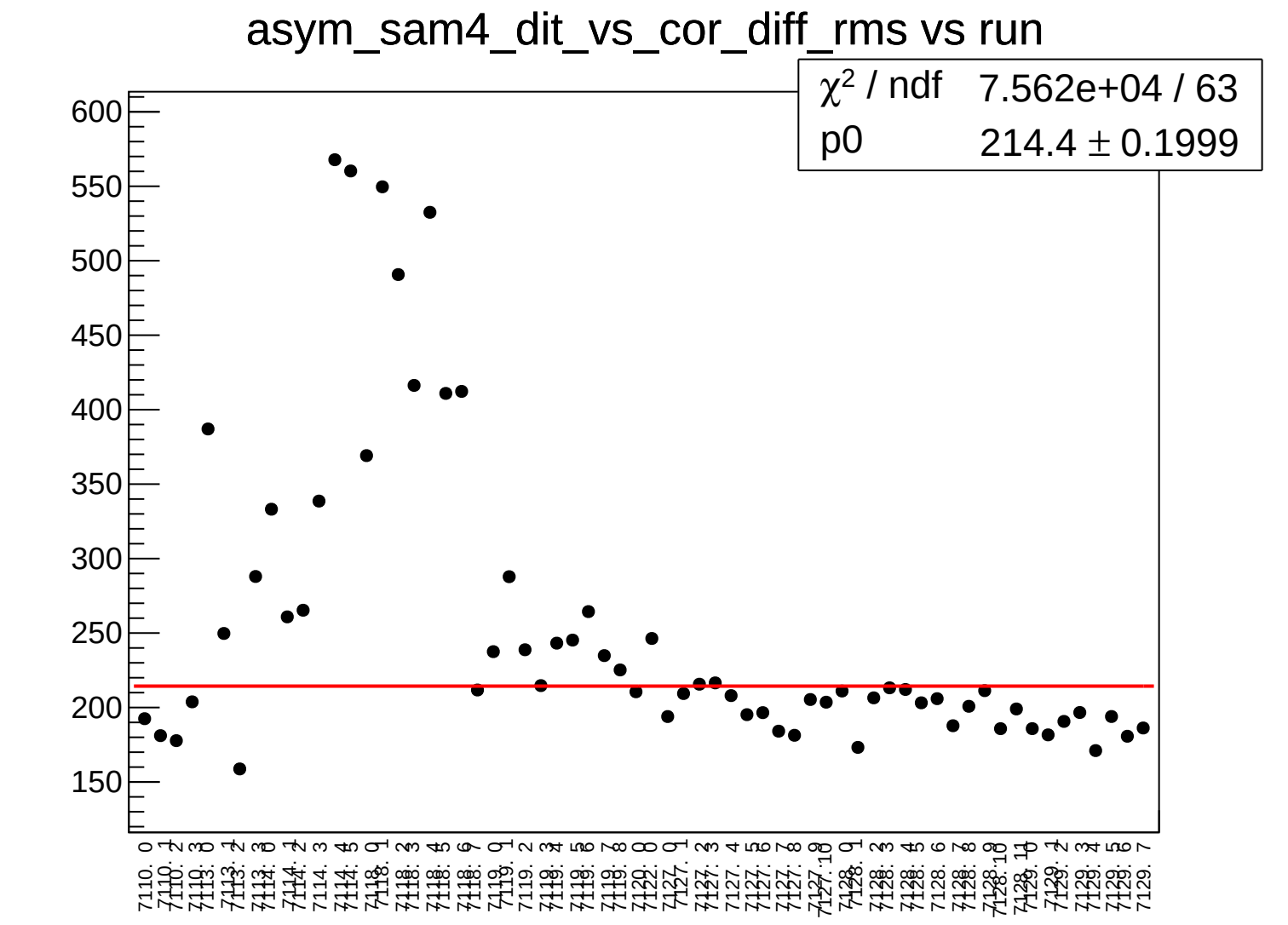

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 61.93 / 63
p0 −1.13e−13 ± 7.294e−14
0.005
0.004
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 64
Mean 15.99
Std Dev 9.8
2
1
0
−1
−2

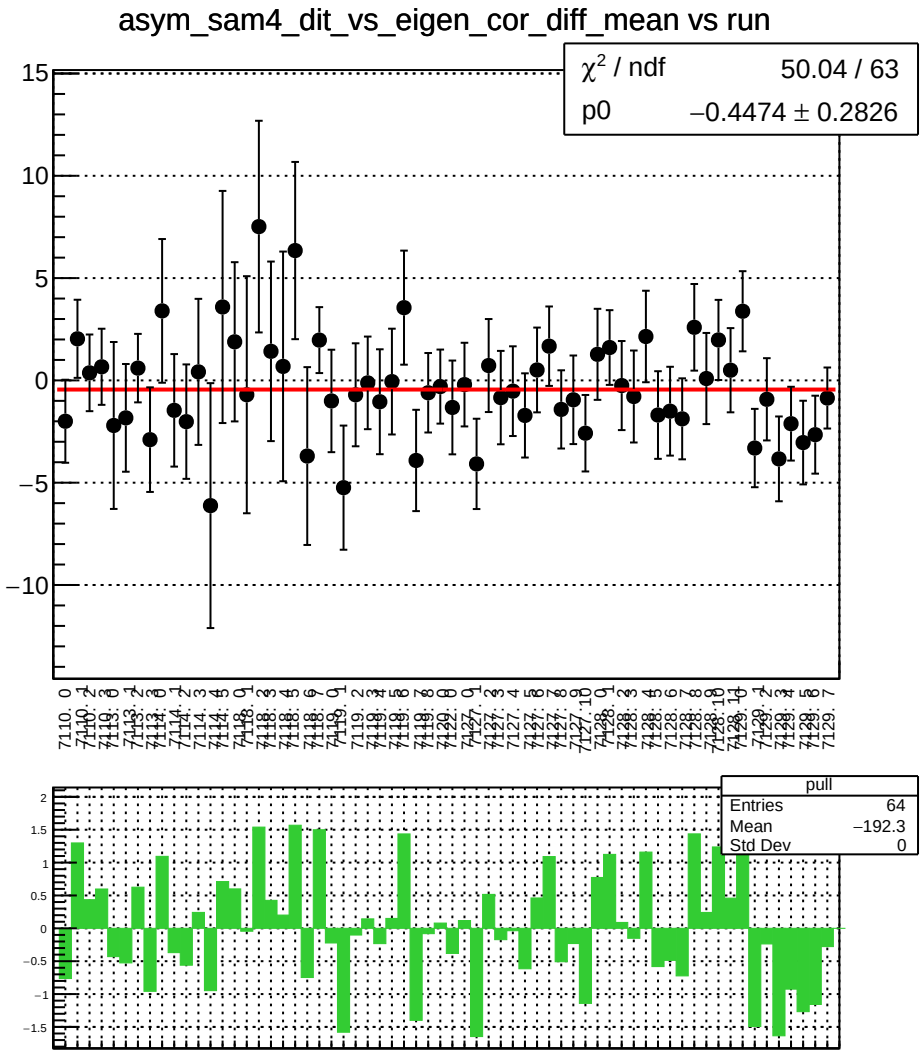

pull1D
Entries 64
Mean −0.07573
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

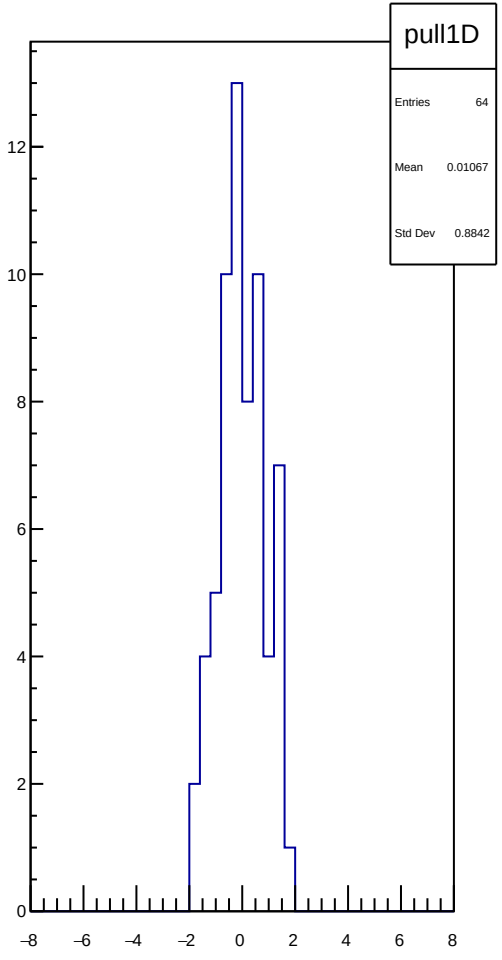

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 8.671e+05 / 63
p0 3.091e−11 ± 5.158e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

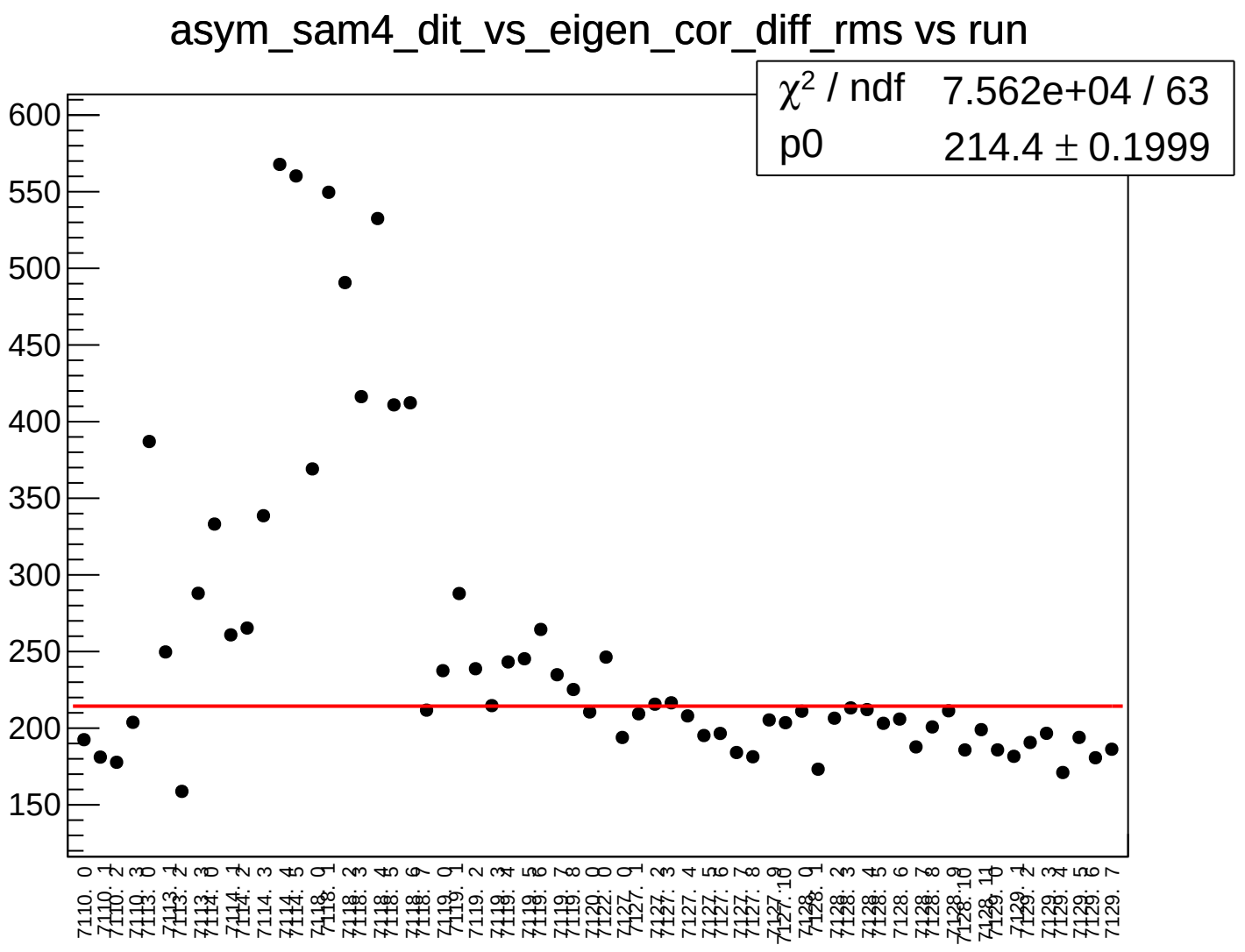

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 50.04 / 63
p0 −0.4474 ± 0.2826
pull
Entries 64
Mean −192.3
Std Dev 0

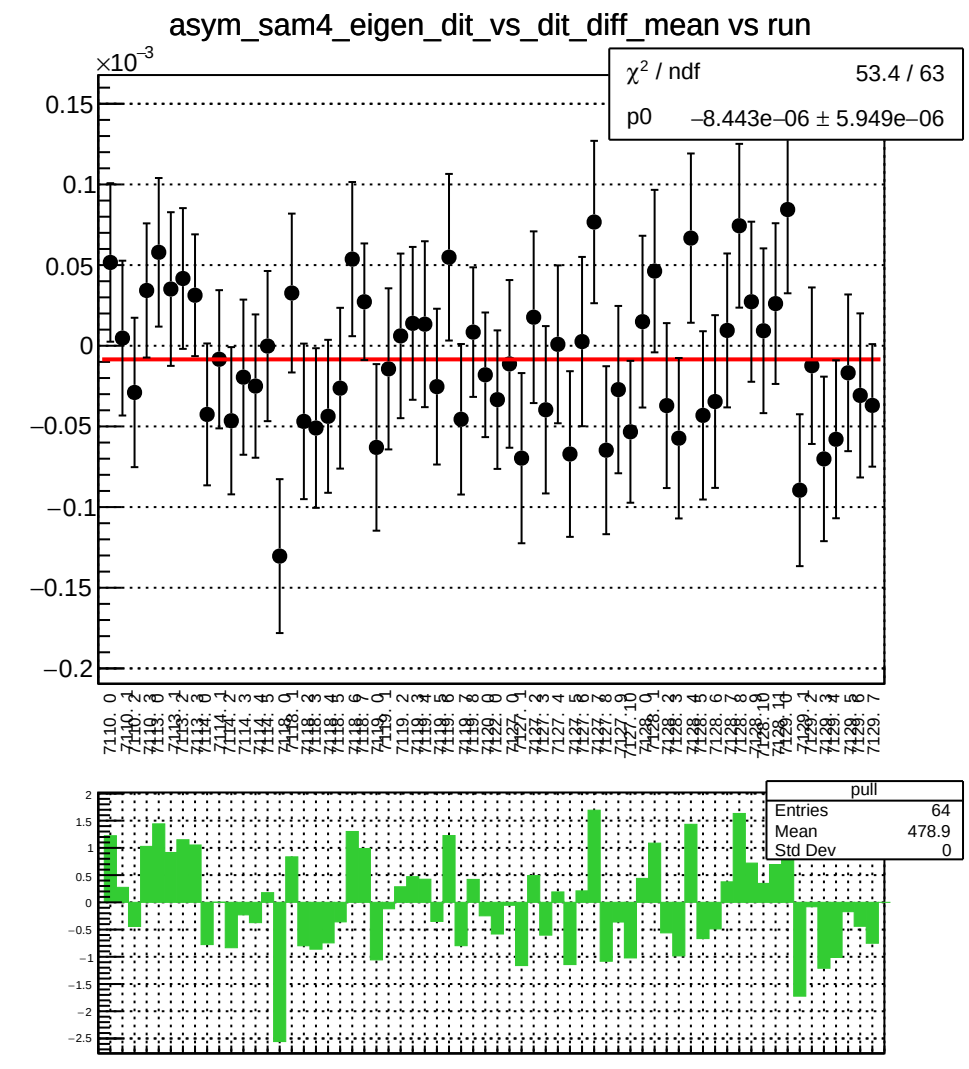

pull1D
Entries 64
Mean 0.01067
Std Dev 0.8842

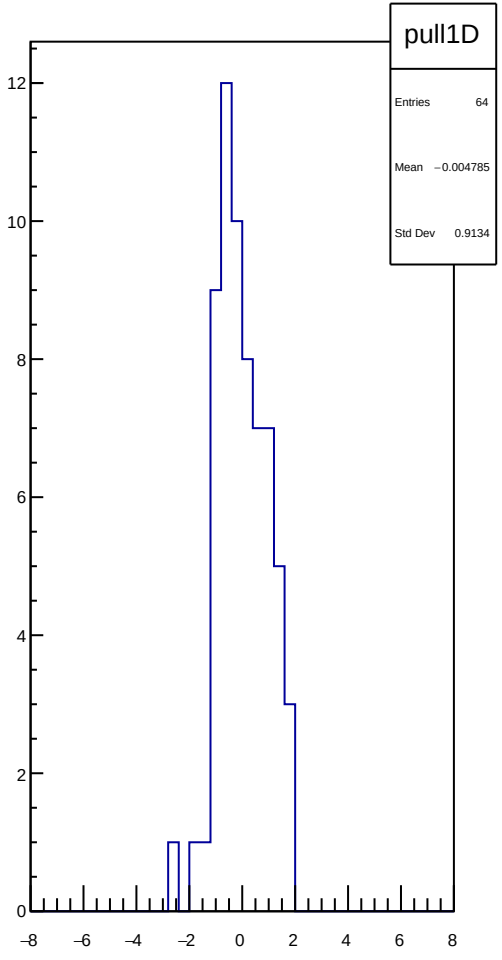

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 7.562e+04 / 63
p0 214.4 ± 0.1999
600
550
500
450
400
350
300
250
200
150

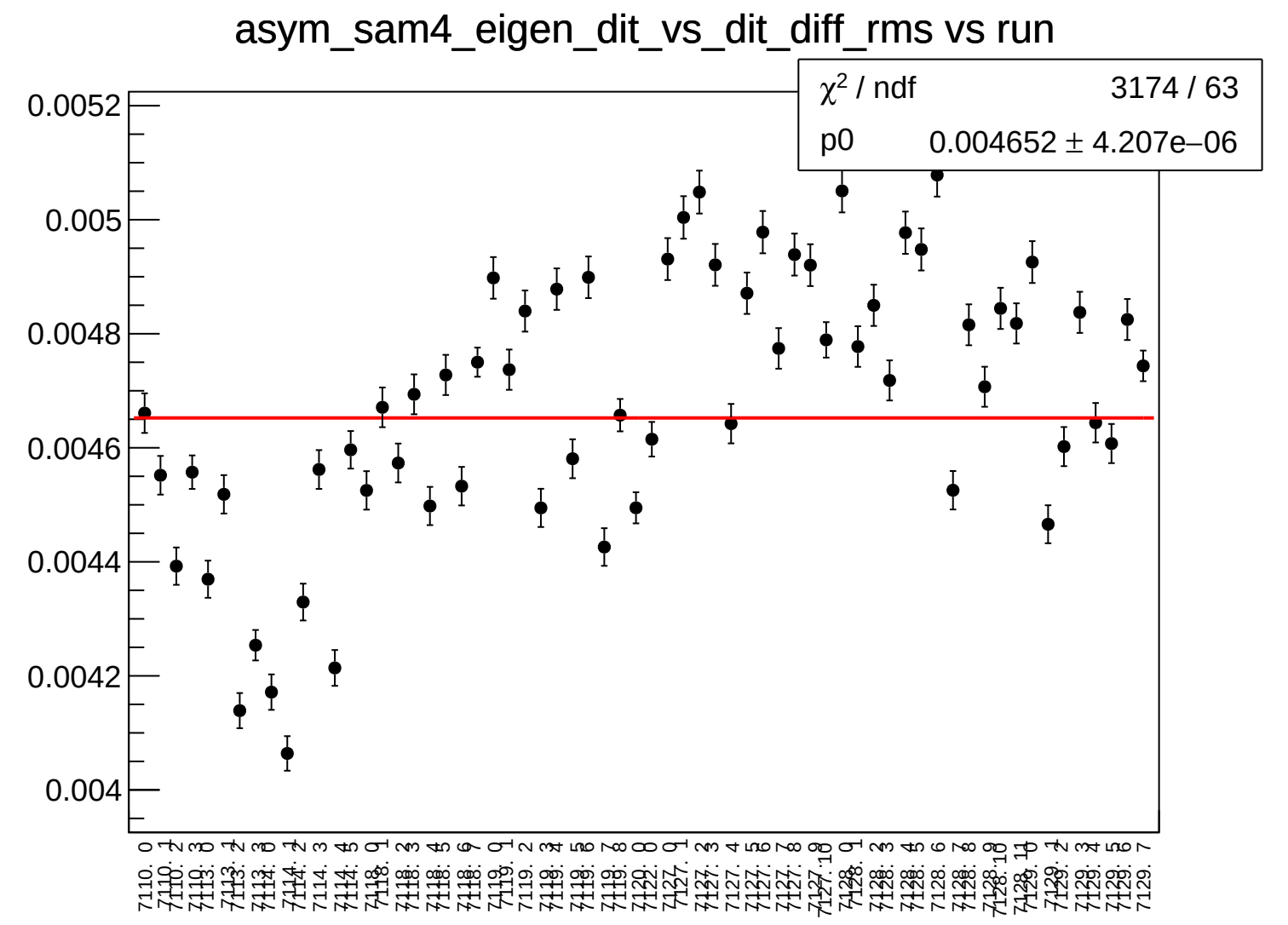

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.04 / 63
p0 −0.4474 ± 0.2826
pull
Entries 64
Mean −192.3
Std Dev 0

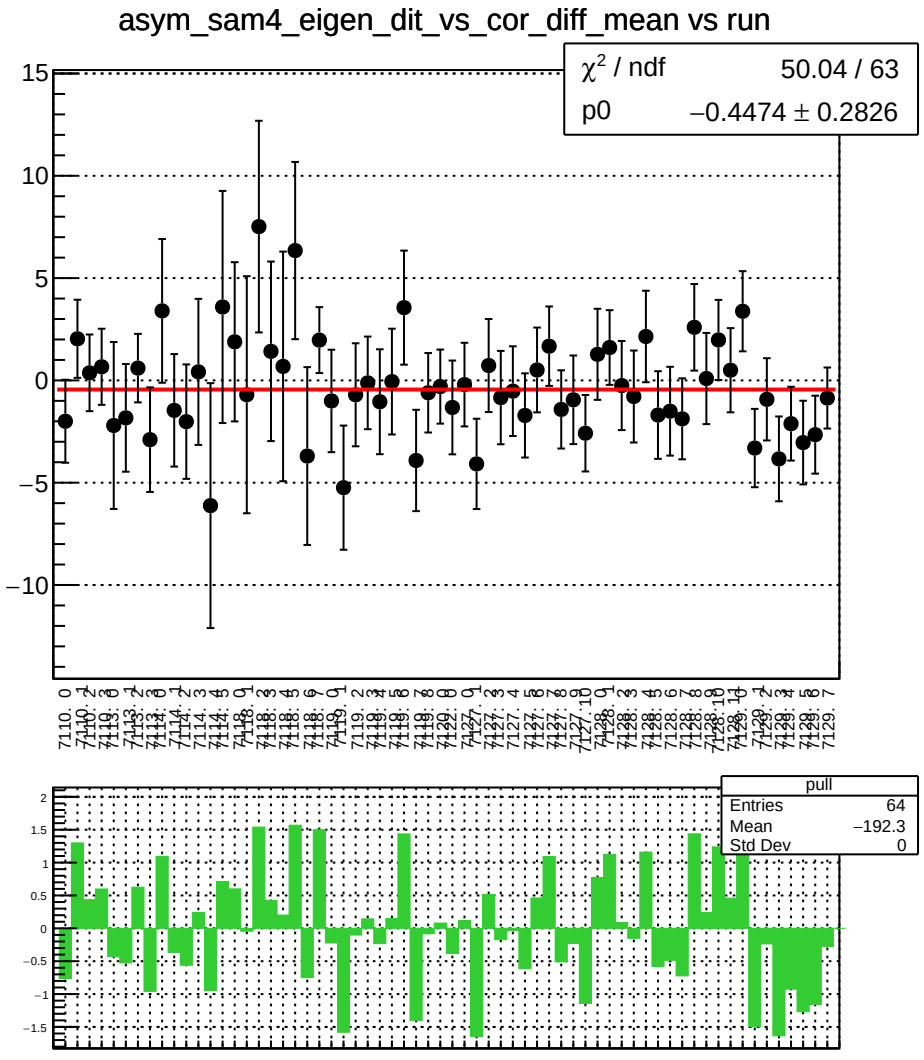

pull1D
Entries 64
Mean 0.01067
Std Dev 0.8842

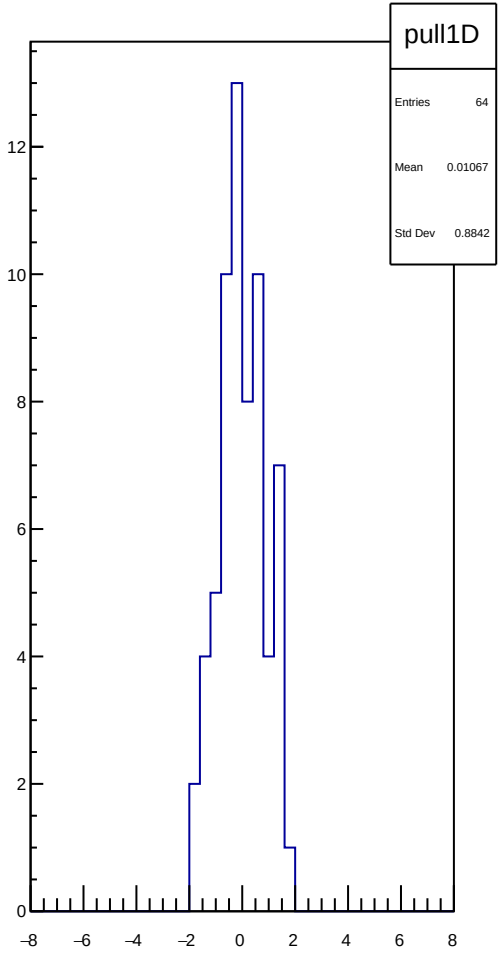

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 7.562e+04 / 63
p0 214.4 ± 0.1999
600
550
500
450
400
350
300
250
200
150

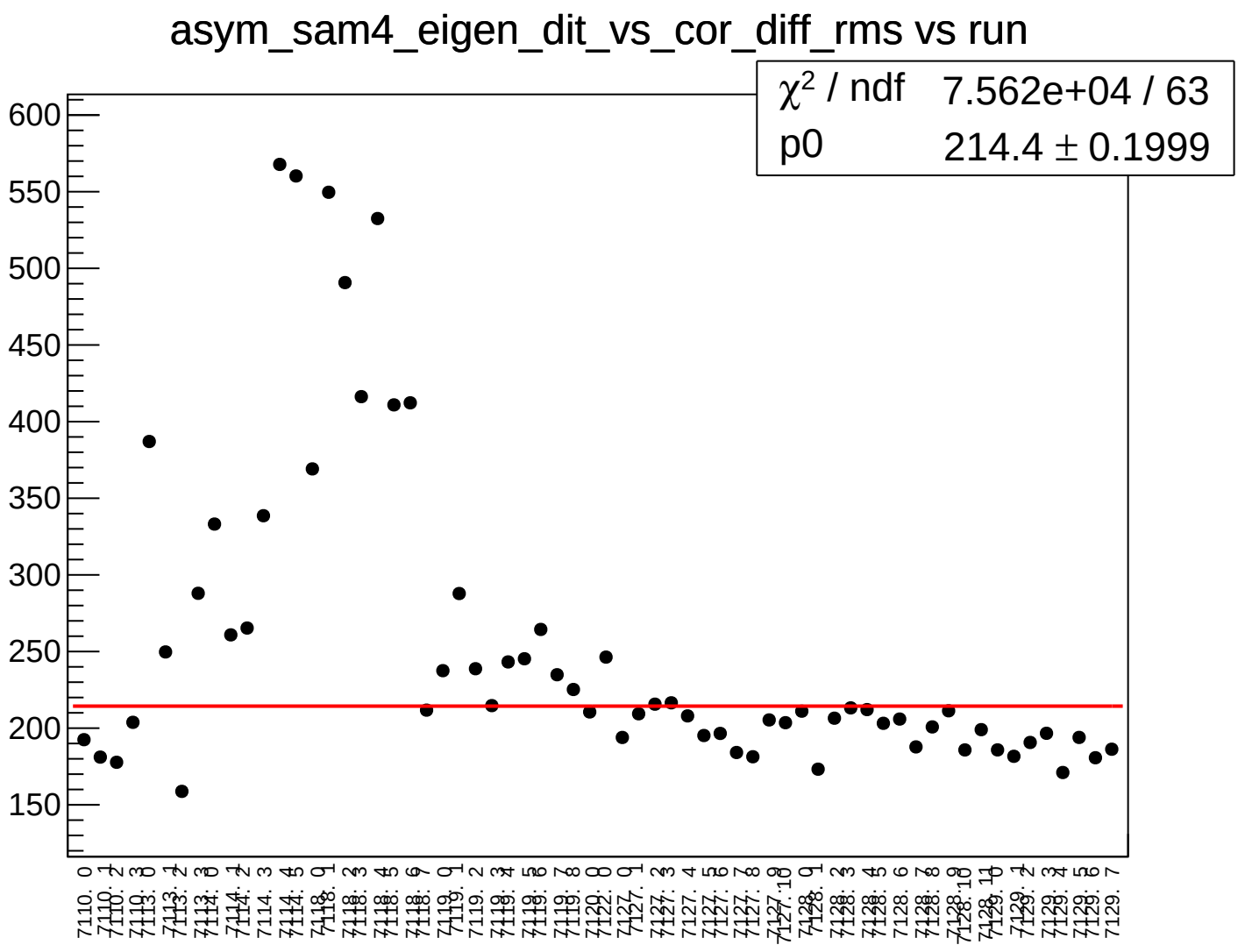

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.4 / 63
p0 −8.443e−06 ± 5.949e−06
pull
Entries 64
Mean 478.9
Std Dev 0

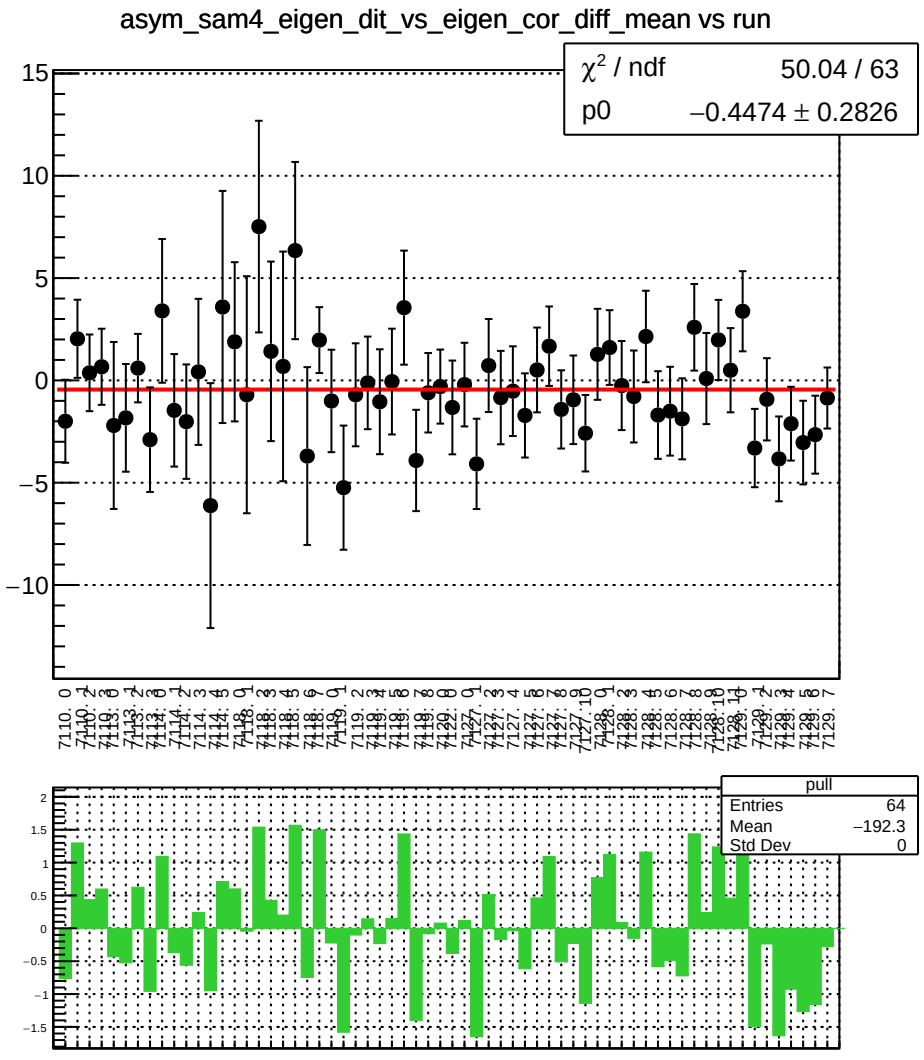

pull1D
Entries 64
Mean −0.004785
Std Dev 0.9134

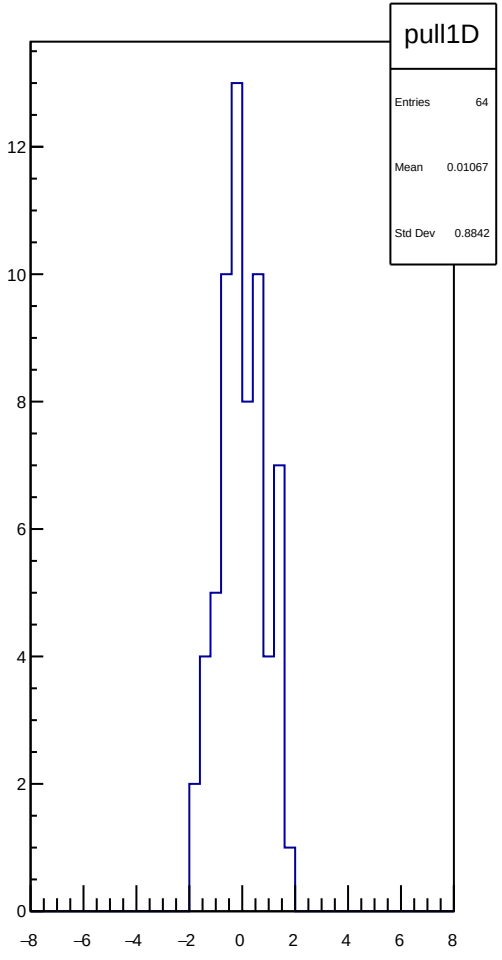

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3174 / 63
p0 0.004652 ± 4.207e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004

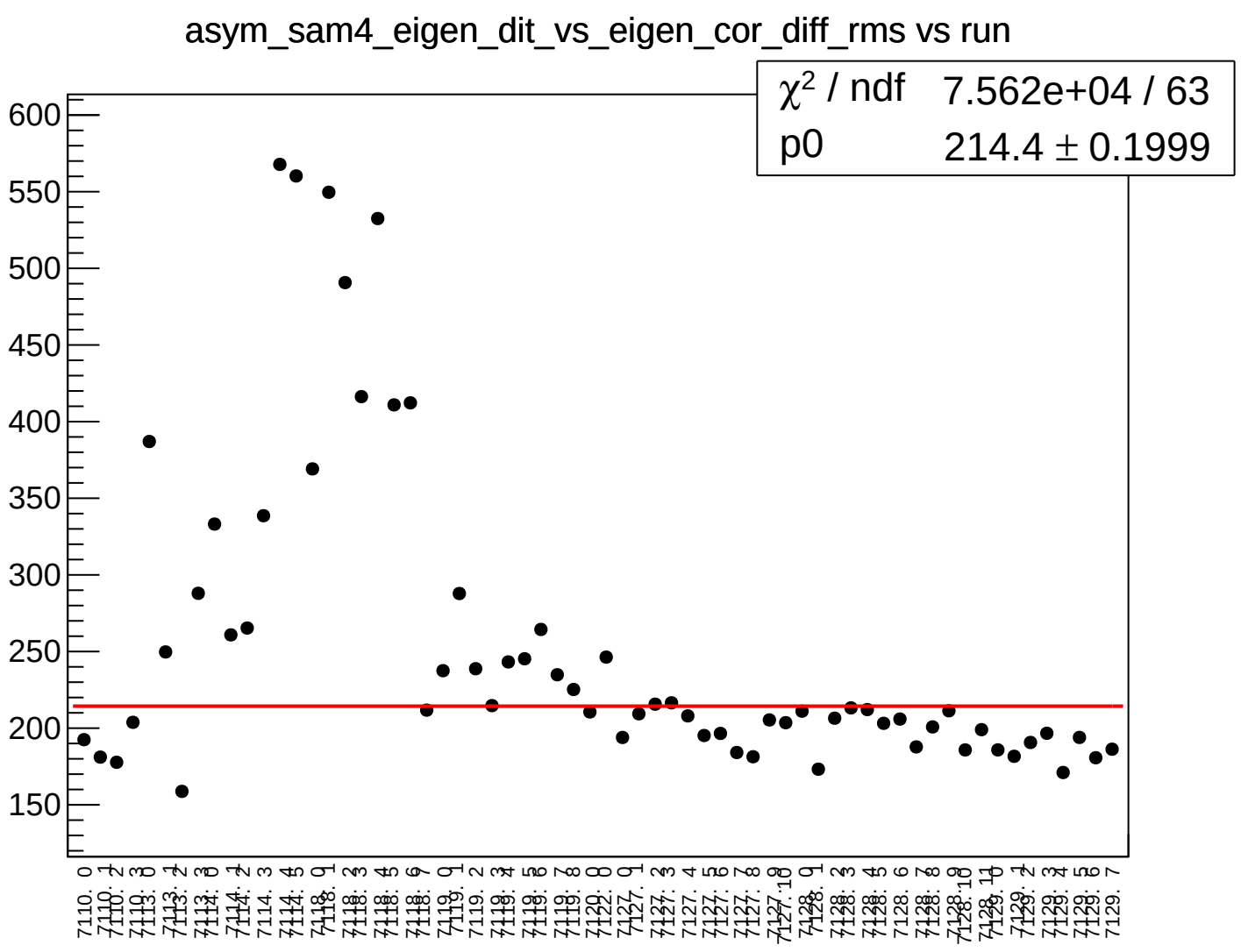

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.04 / 63
p0 −0.4474 ± 0.2826
pull
Entries 64
Mean −192.3
Std Dev 0

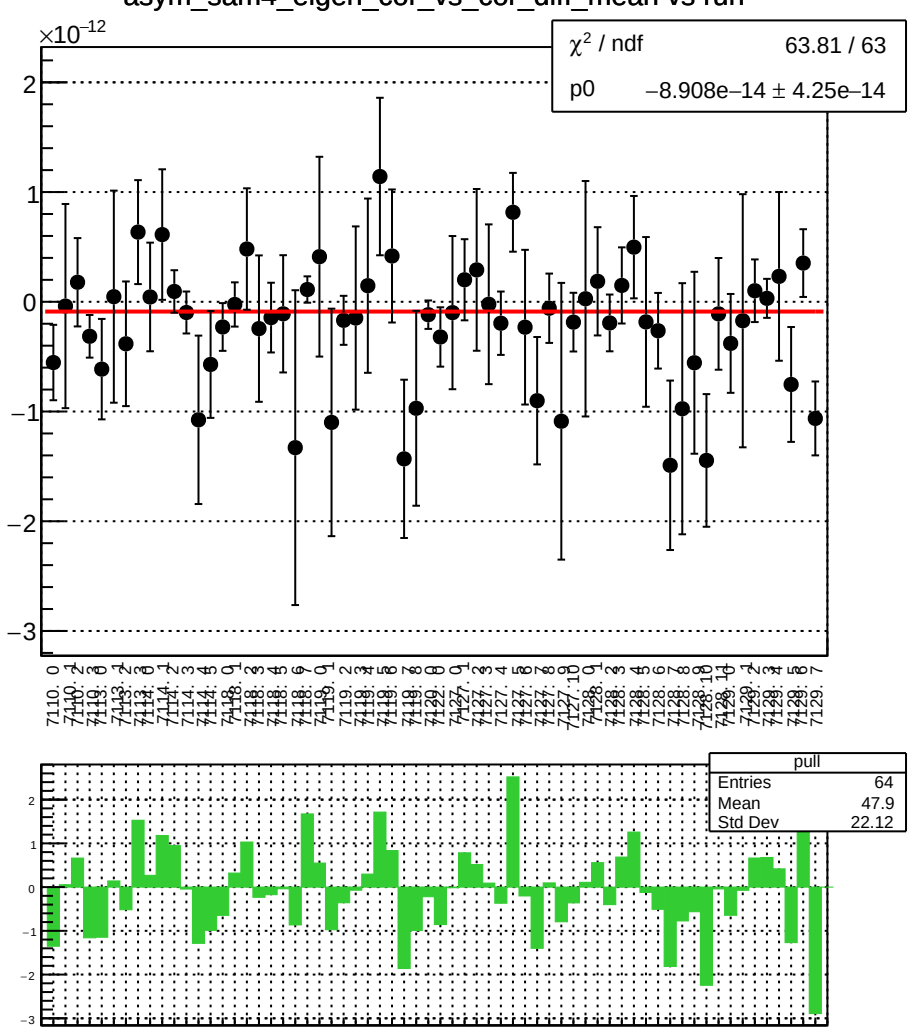

pull1D
Entries 64
Mean 0.01067
Std Dev 0.8842

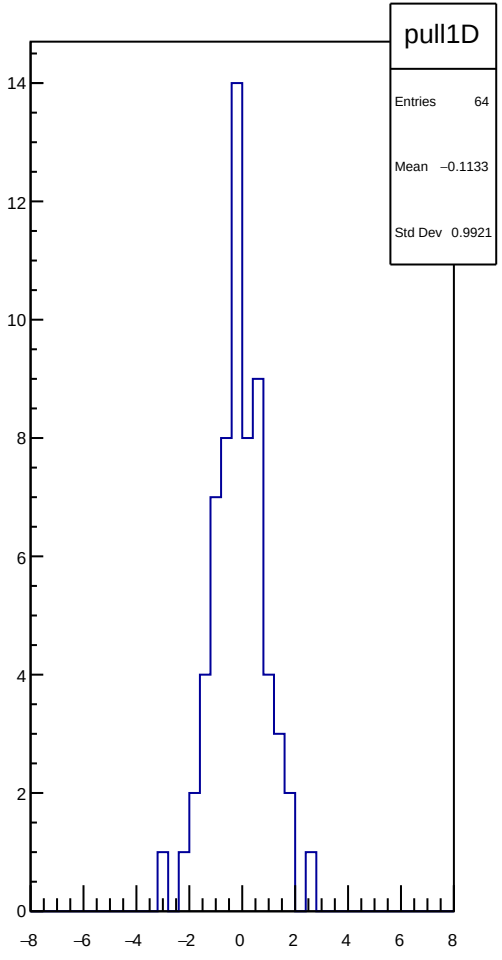

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.562e+04 / 63
p0 214.4 ± 0.1999
600
550
500
450
400
350
300
250
200
150

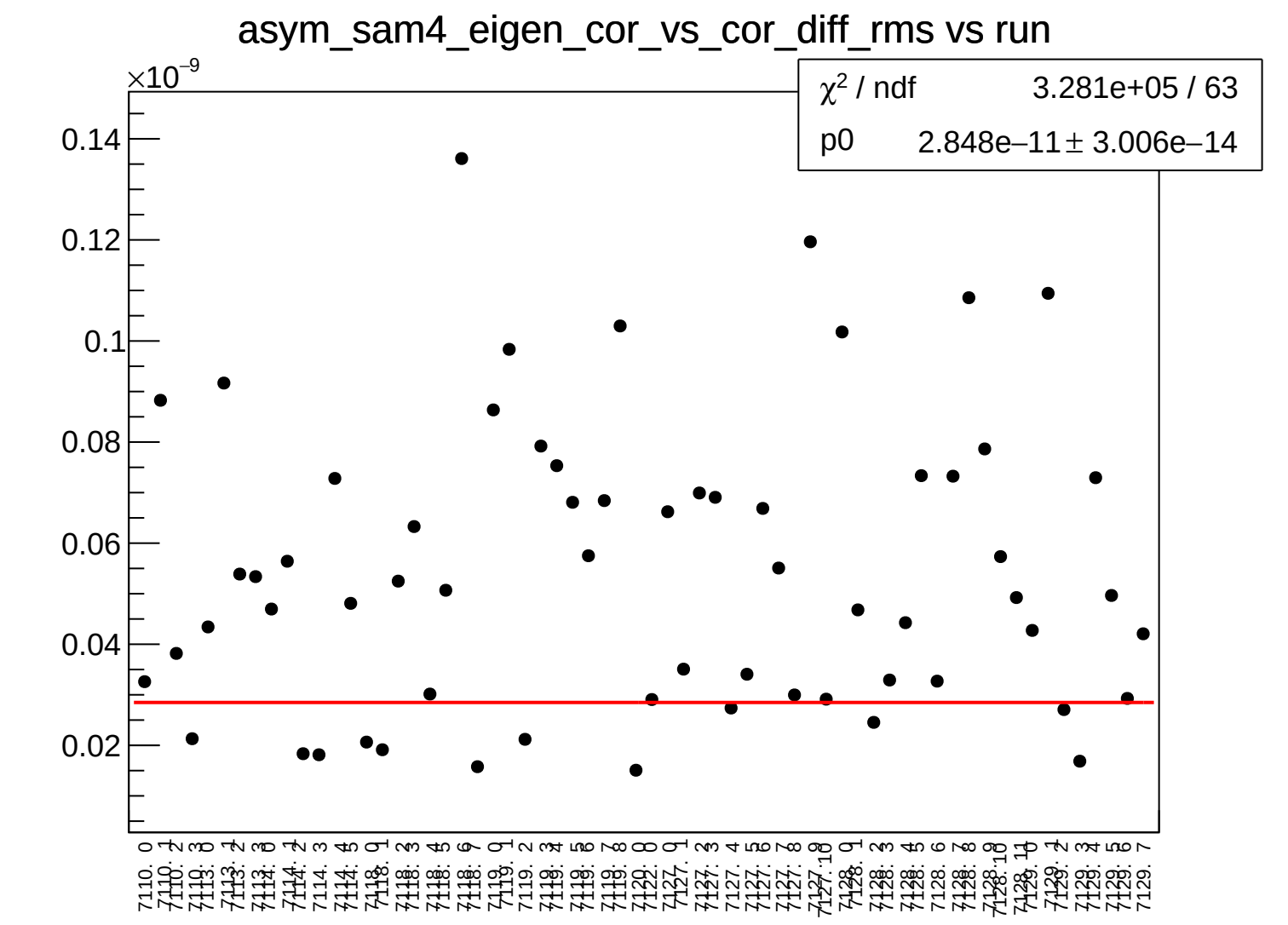

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.04 / 63
p0 −0.4474 ± 0.2826
pull
Entries 64
Mean −192.3
Std Dev 0

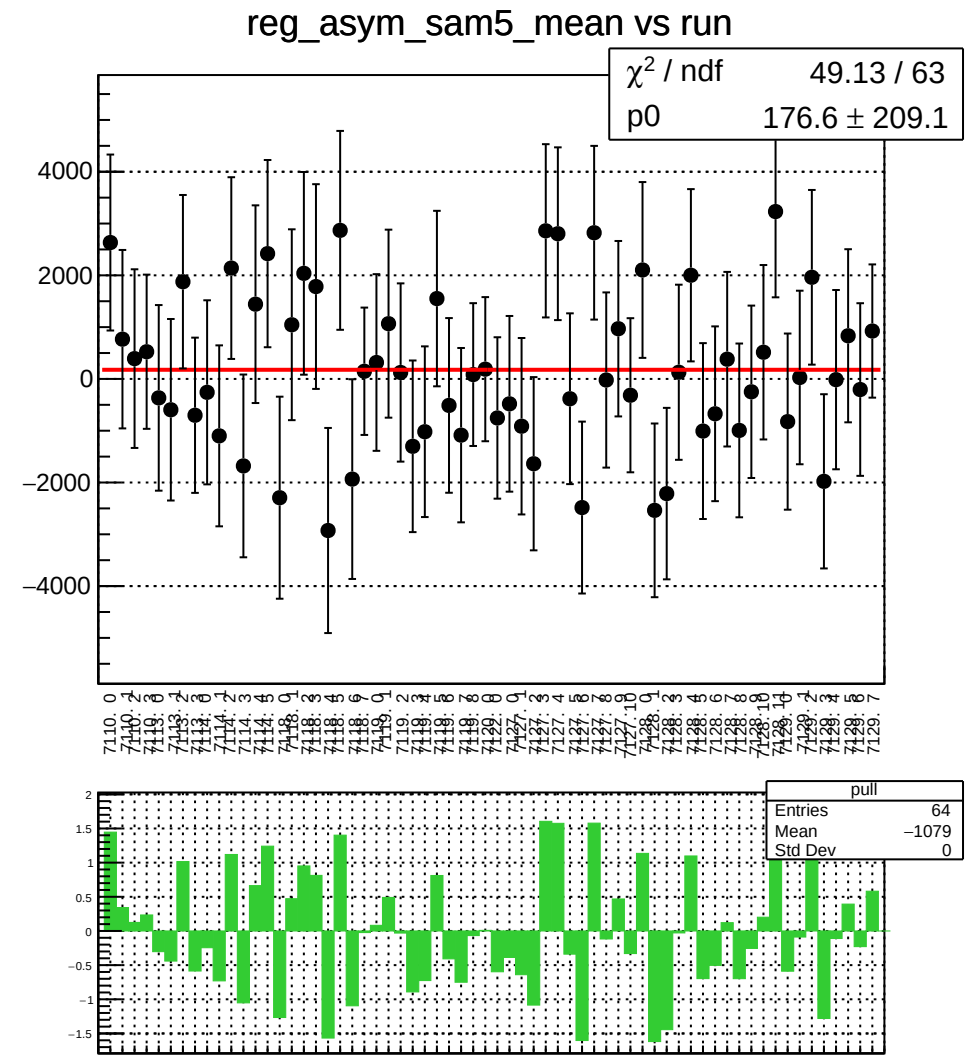

pull1D
Entries 64
Mean 0.01067
Std Dev 0.8842

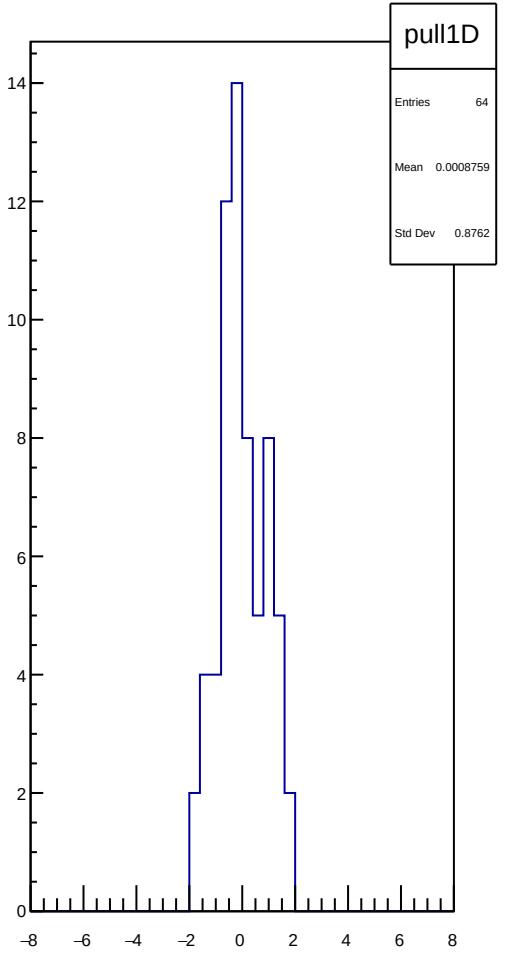

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.562e+04 / 63
p0 214.4 ± 0.1999
600
550
500
450
400
350
300
250
200
150

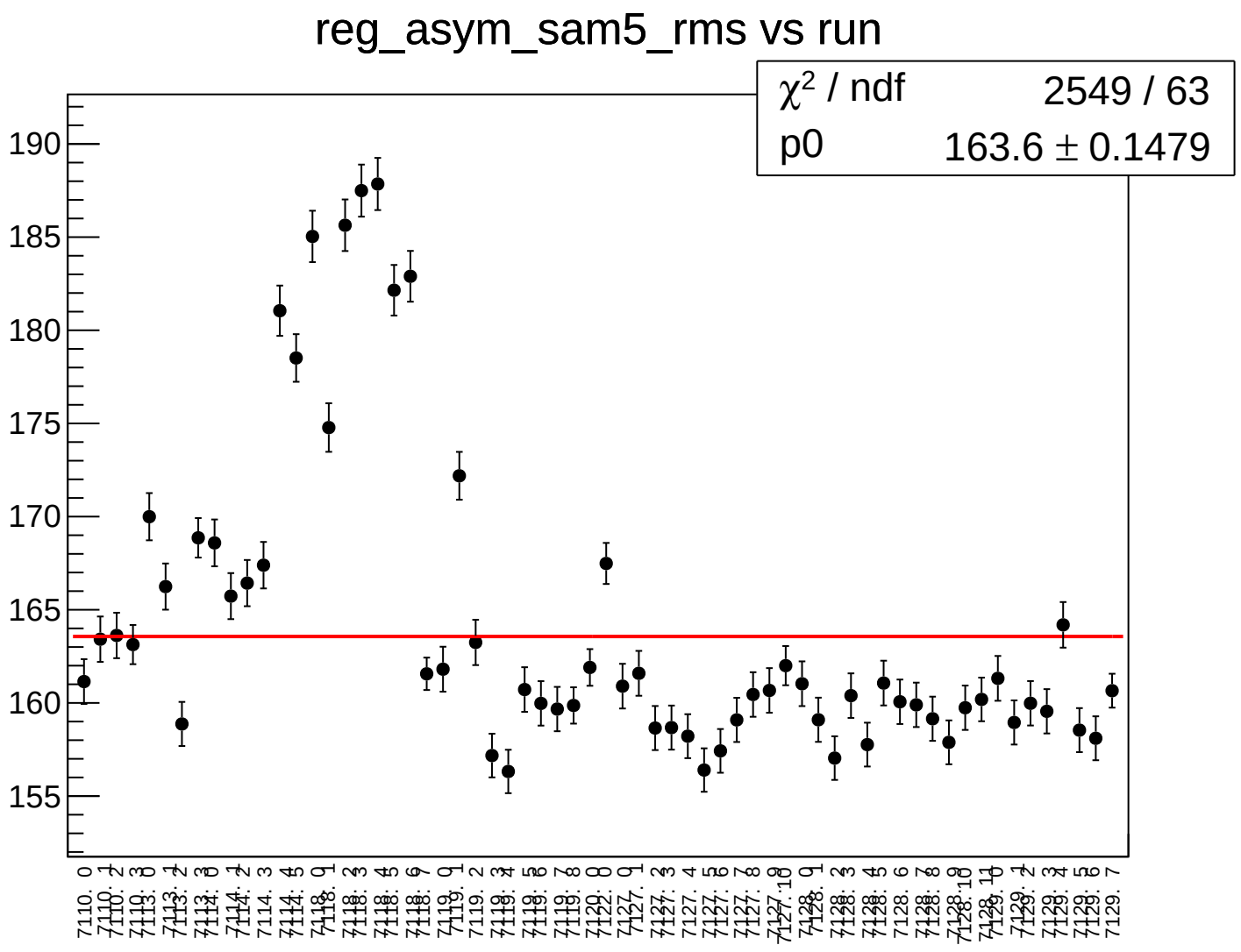

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.81 / 63
p0 −8.908e−14 ± 4.25e−14
pull
Entries 64
Mean 47.9
Std Dev 22.12

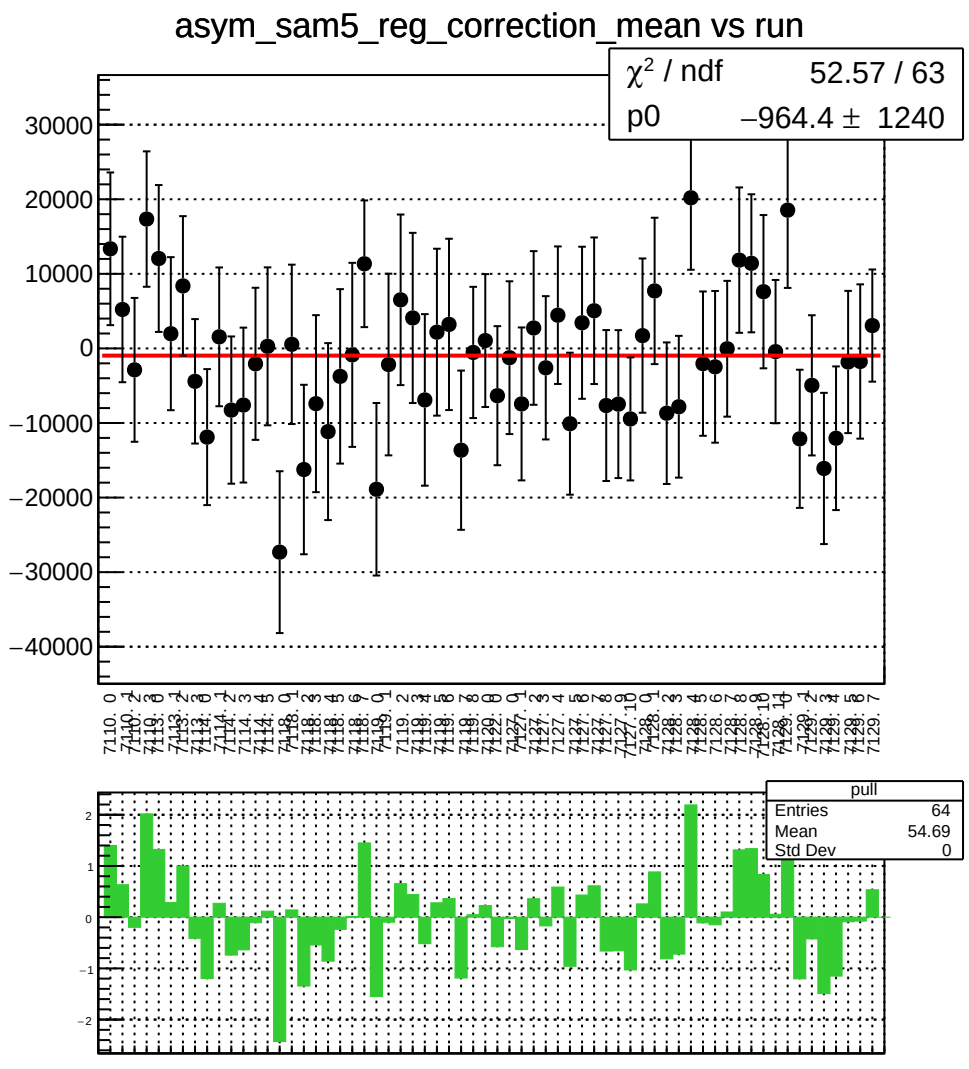

pull1D
Entries 64
Mean −0.1133
Std Dev 0.9921

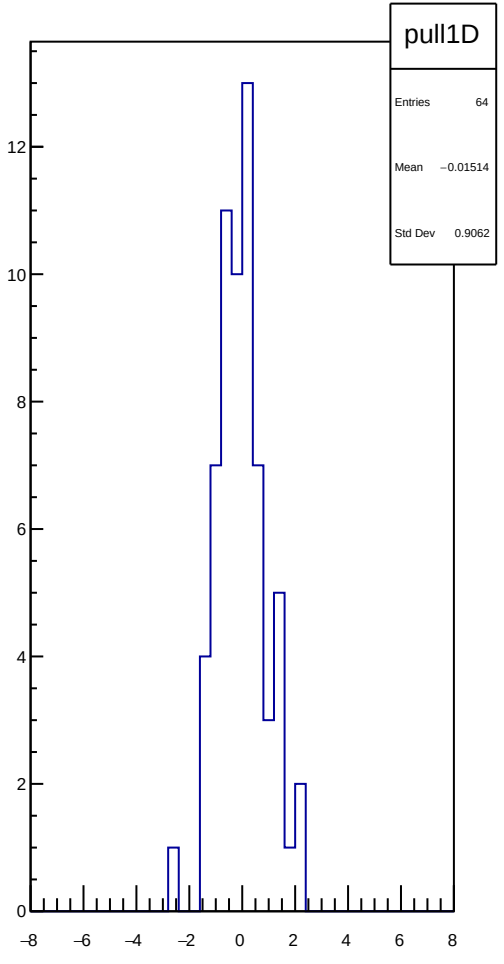

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.281e+05 / 63
p0 2.848e−11 ± 3.006e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

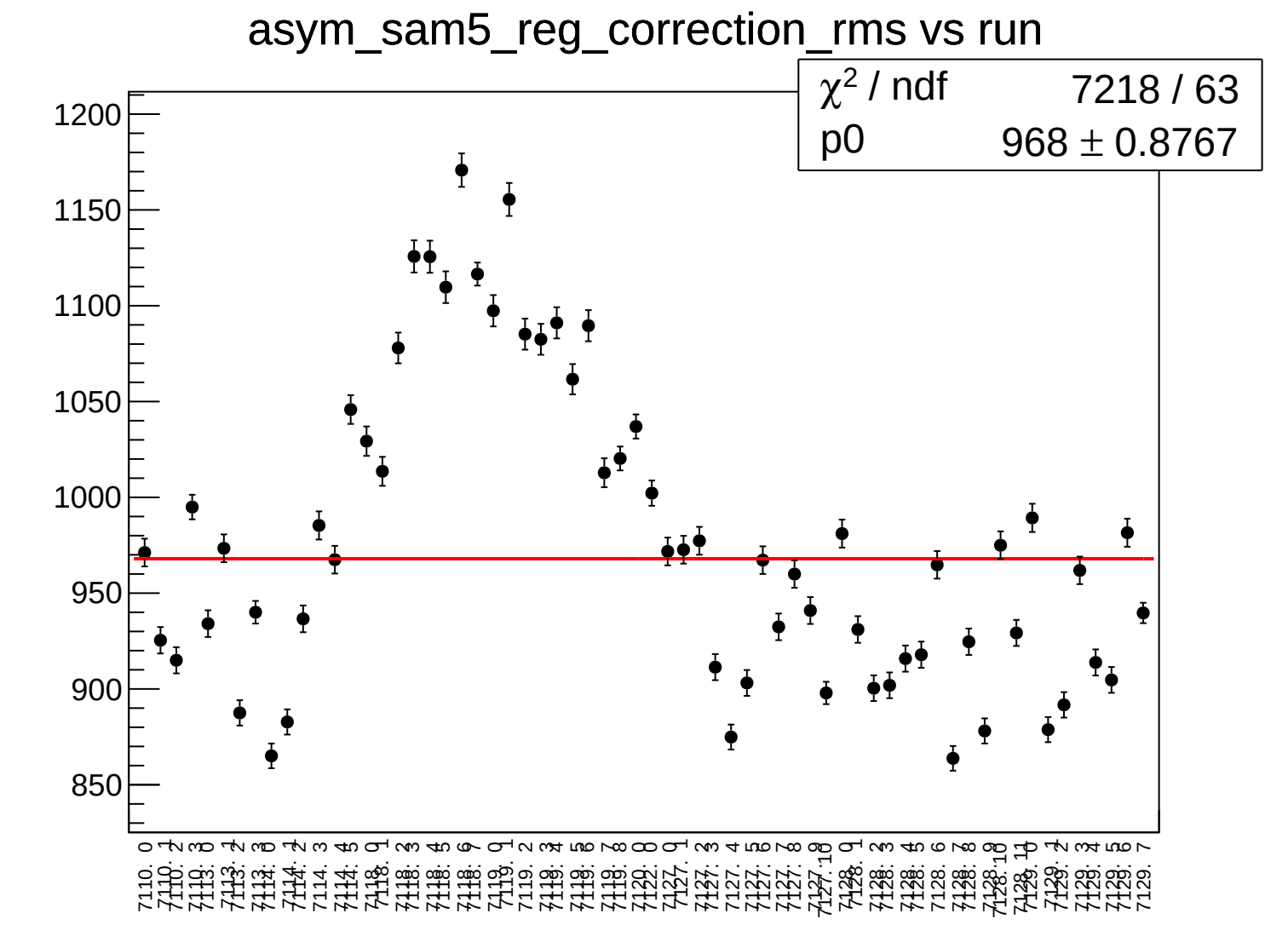

reg_asym_sam5_mean vs run
χ² / ndf 49.13 / 63
p0 176.6 ± 209.1
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −1079
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

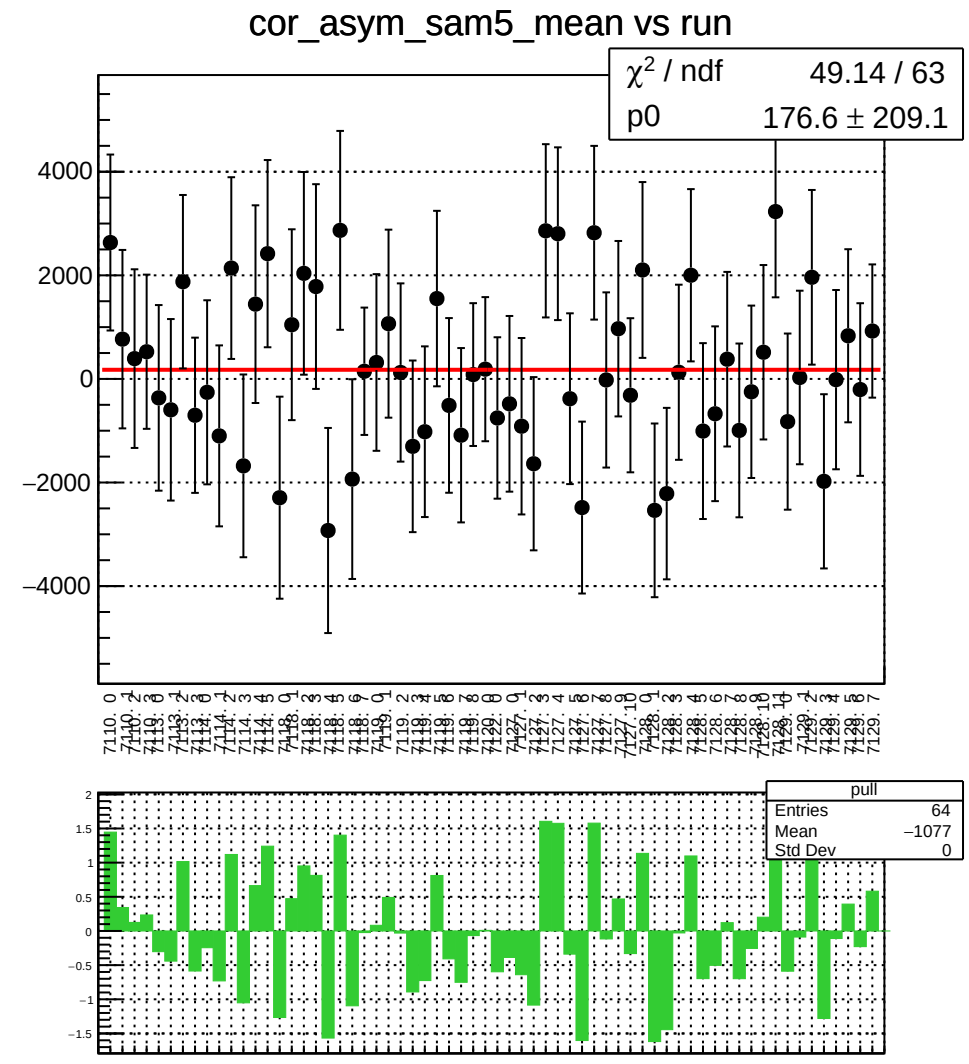

pull1D
Entries 64
Mean 0.0008759
Std Dev 0.8762
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

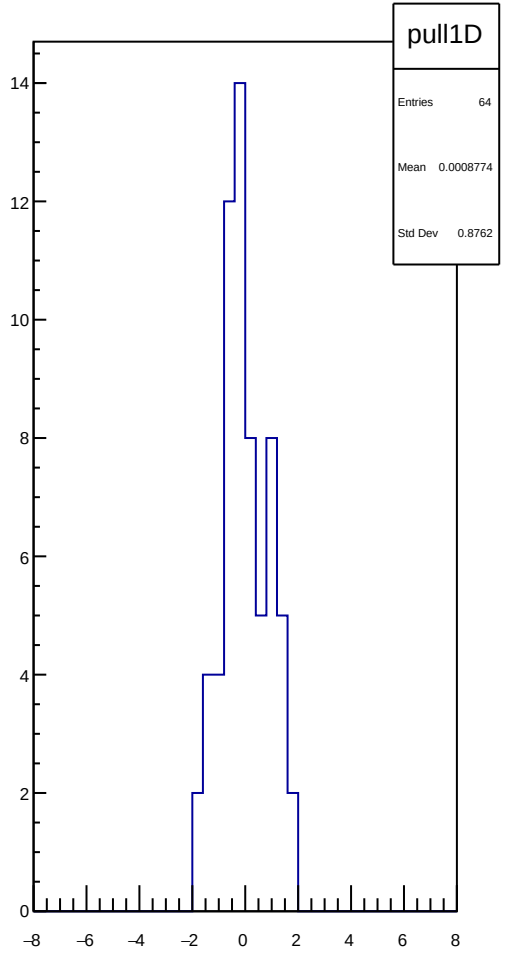

reg_asym_sam5_rms vs run
χ² / ndf 2549 / 63
p0 163.6 ± 0.1479
190
185
180
175
170
165
160
155

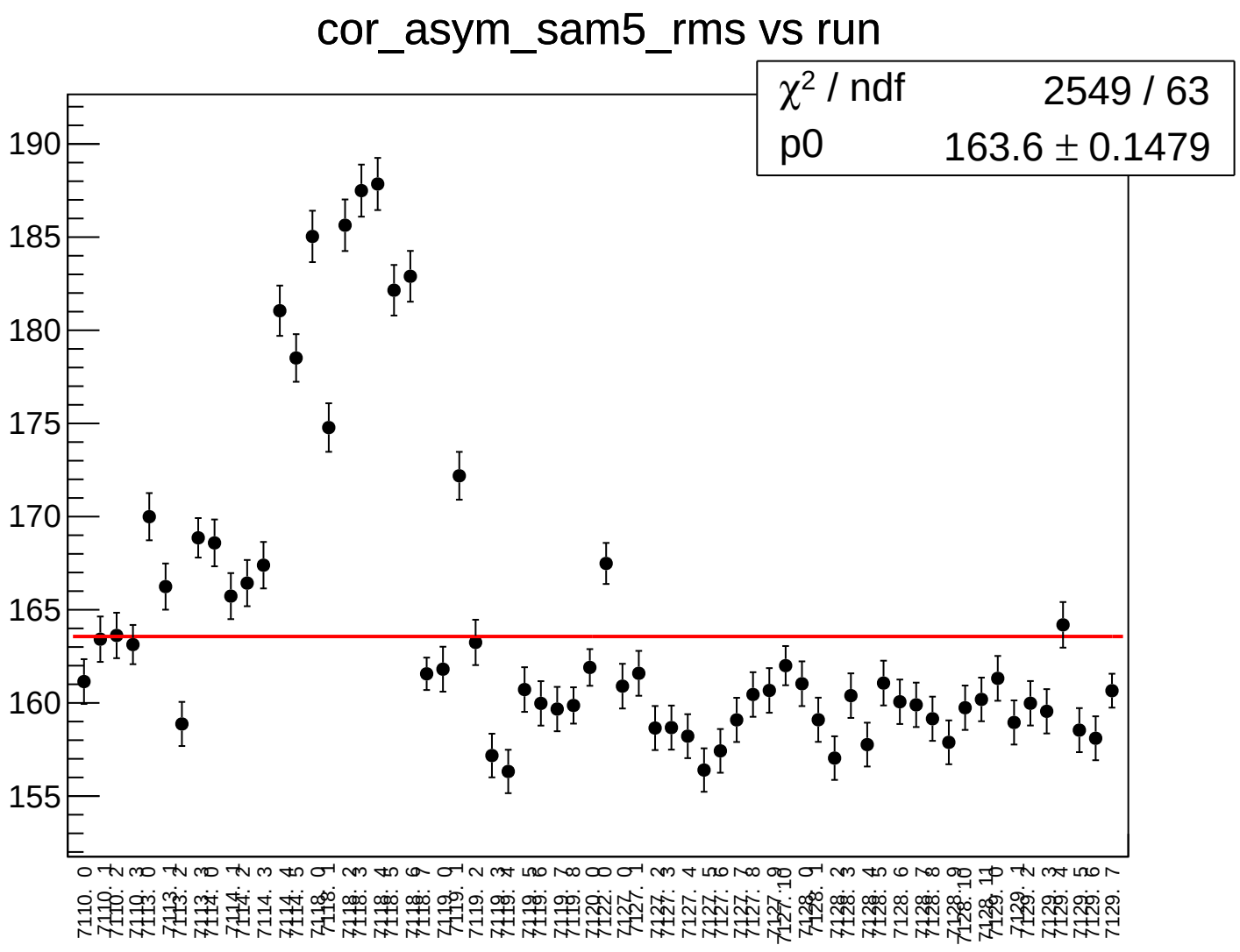

asym_sam5_reg_correction_mean vs run
χ² / ndf 52.57 / 63
p0 −964.4 ± 1240
pull
Entries 64
Mean 54.69
Std Dev 0

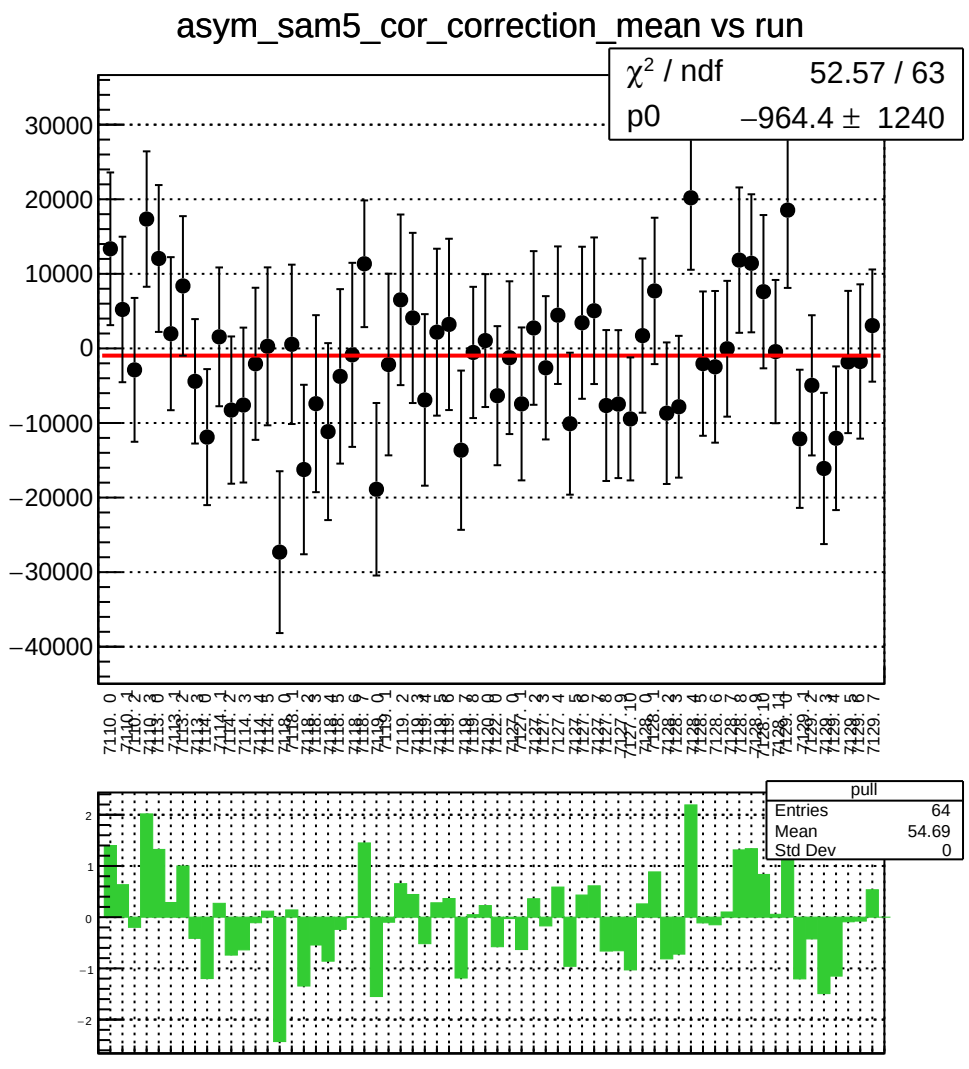

pull1D
Entries 64
Mean −0.01514
Std Dev 0.9062

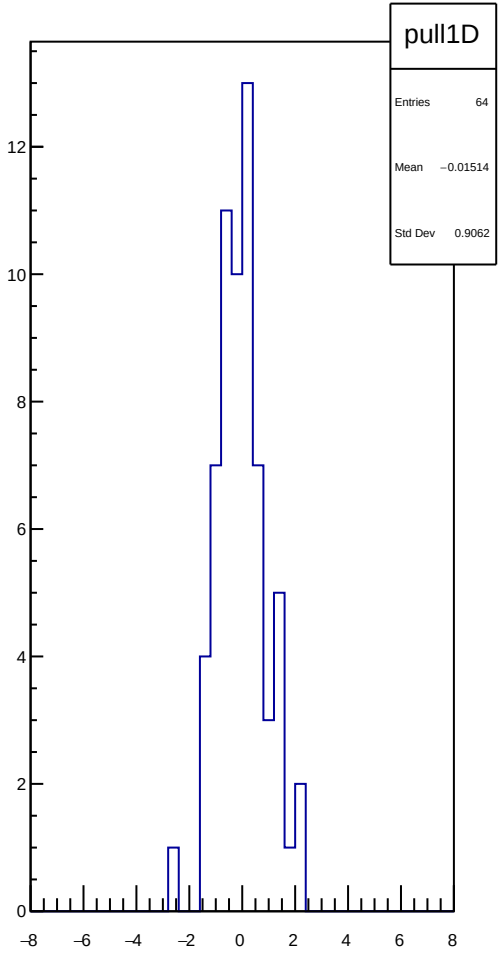

asym_sam5_reg_correction_rms vs run
χ² / ndf 7218 / 63
p0 968 ± 0.8767
1200
1150
1100
1050
1000
950
900
850

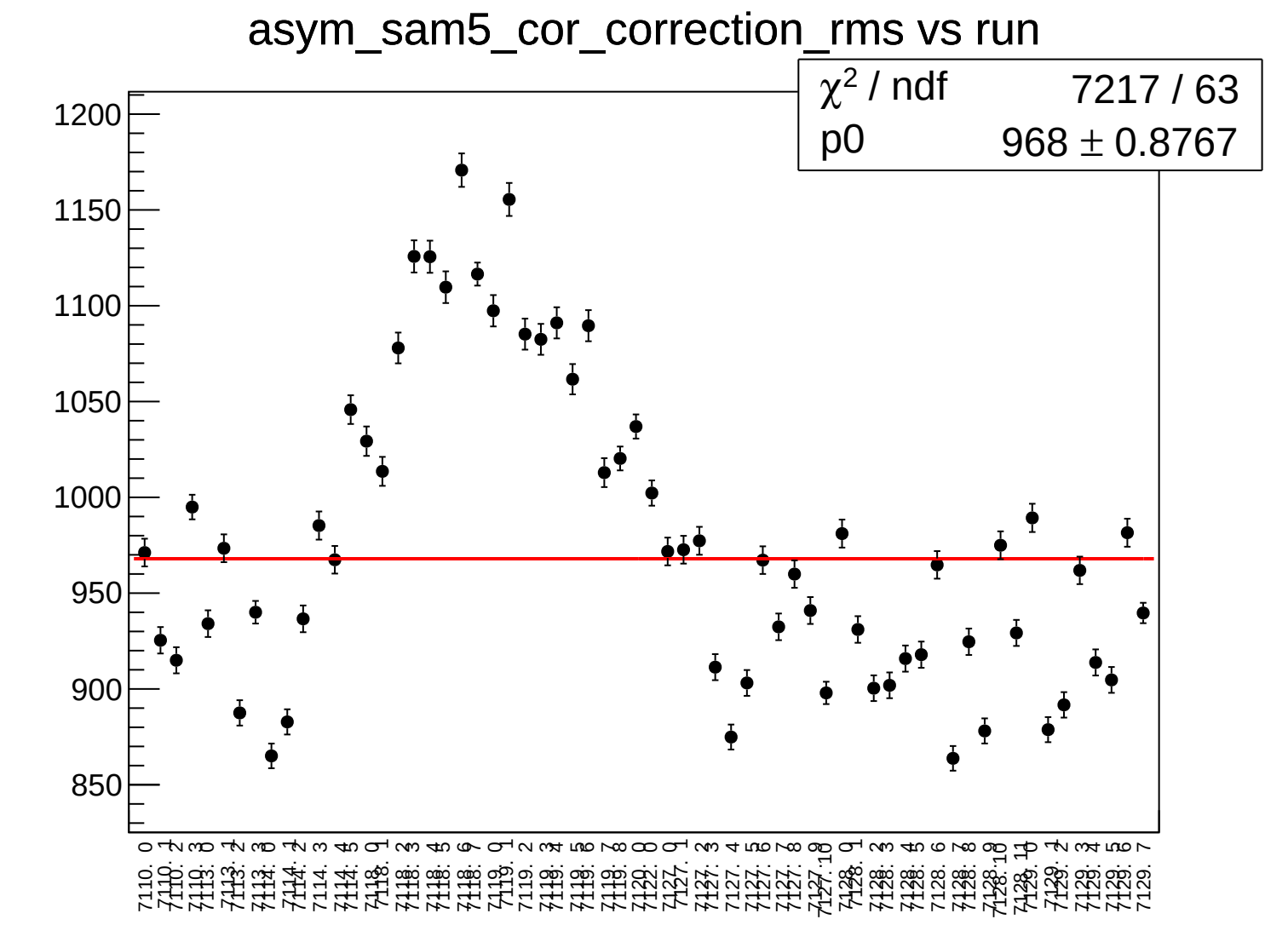

cor_asym_sam5_mean vs run
χ² / ndf 49.14 / 63
p0 176.6 ± 209.1
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −1077
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

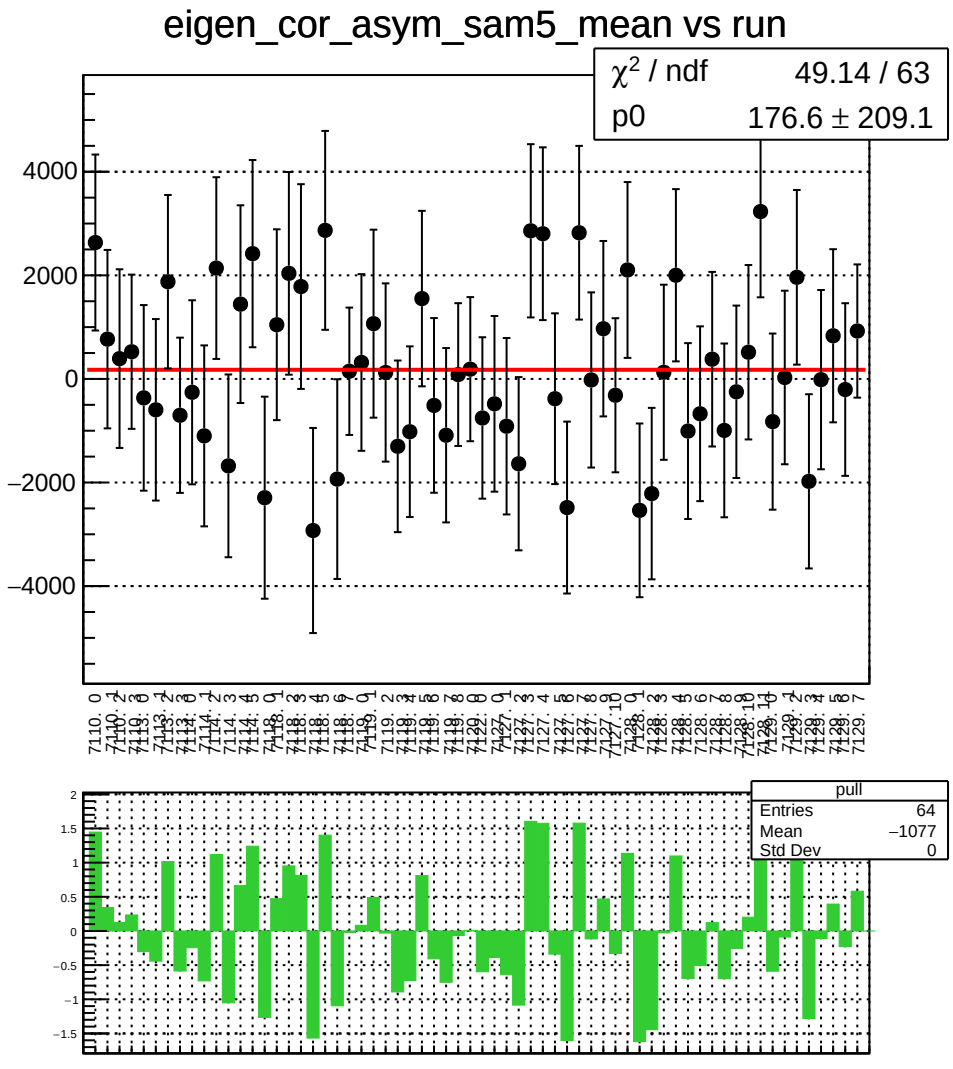

pull1D
Entries 64
Mean 0.0008774
Std Dev 0.8762
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

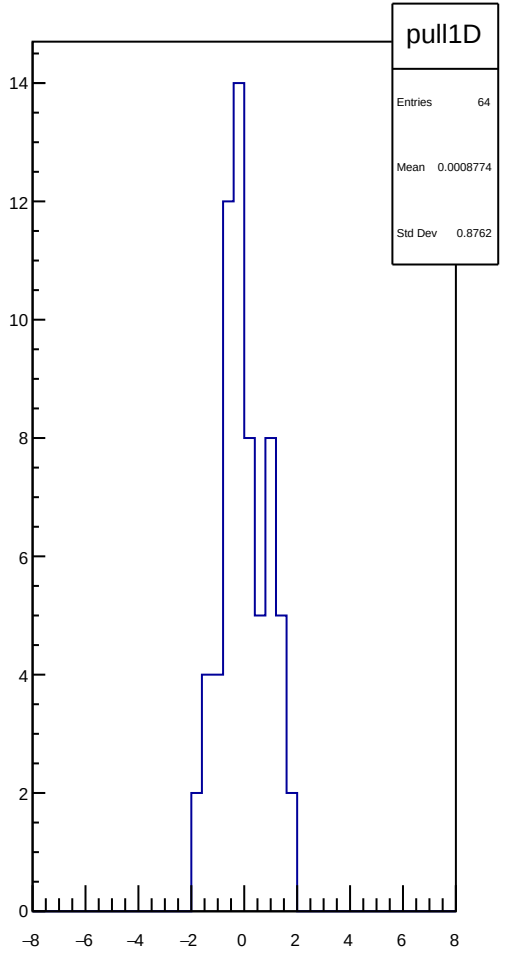

cor_asym_sam5_rms vs run
χ² / ndf 2549 / 63
p0 163.6 ± 0.1479
190
185
180
175
170
165
160
155

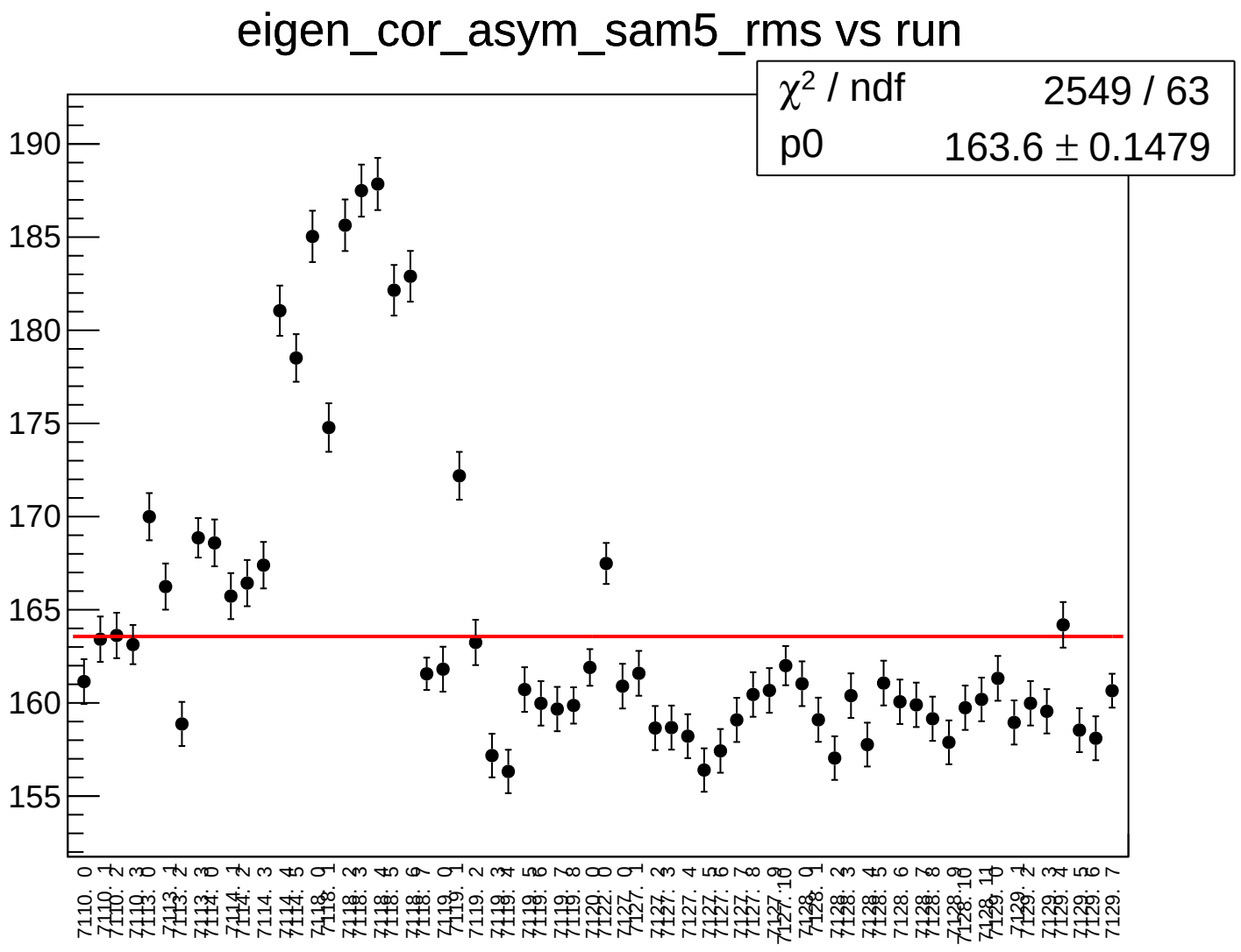

asym_sam5_cor_correction_mean vs run
χ² / ndf 52.57 / 63
p0 −964.4 ± 1240
pull
Entries 64
Mean 54.69
Std Dev 0

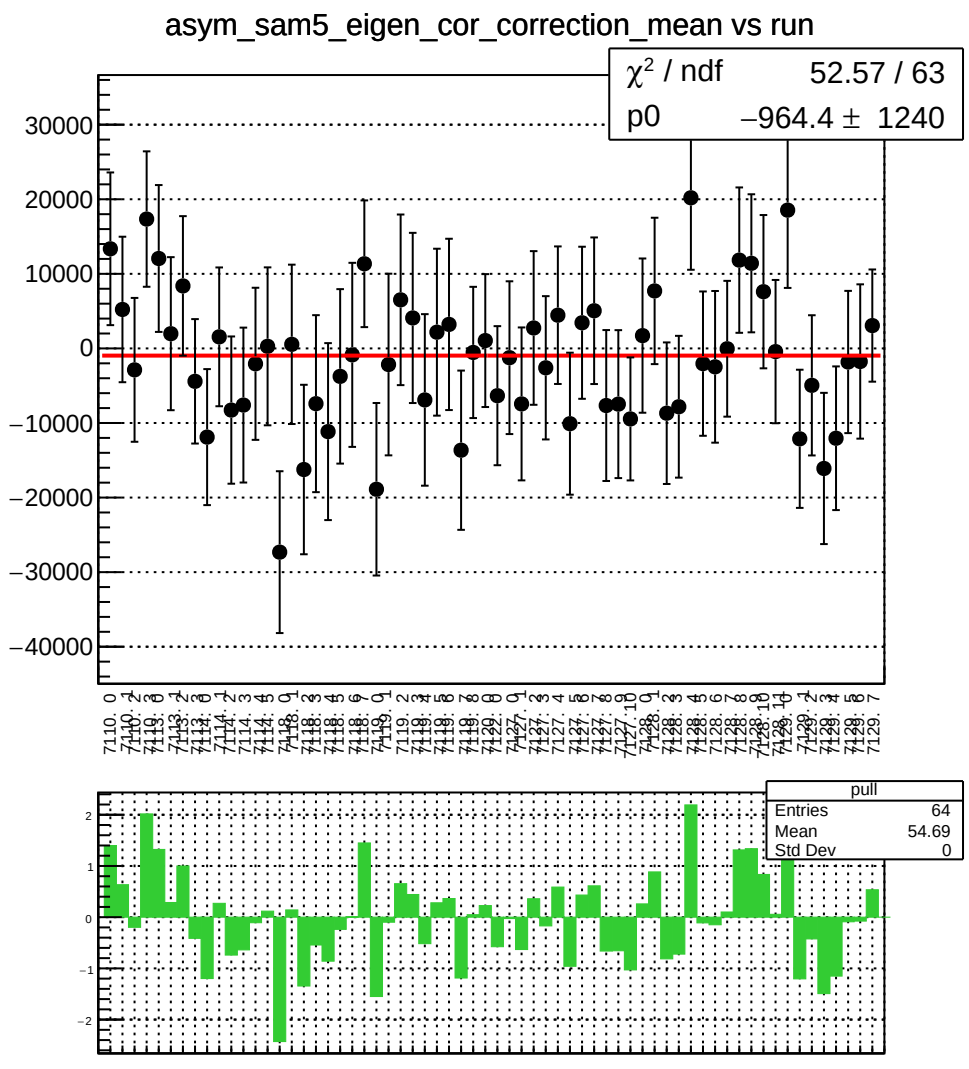

pull1D
Entries 64
Mean −0.01514
Std Dev 0.9062

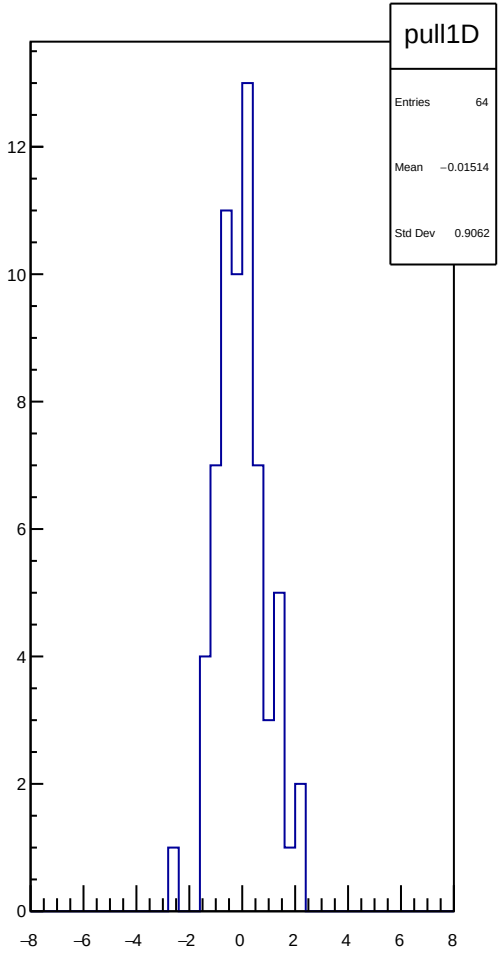

asym_sam5_cor_correction_rms vs run
χ² / ndf 7217 / 63
p0 968 ± 0.8767
1200
1150
1100
1050
1000
950
900
850

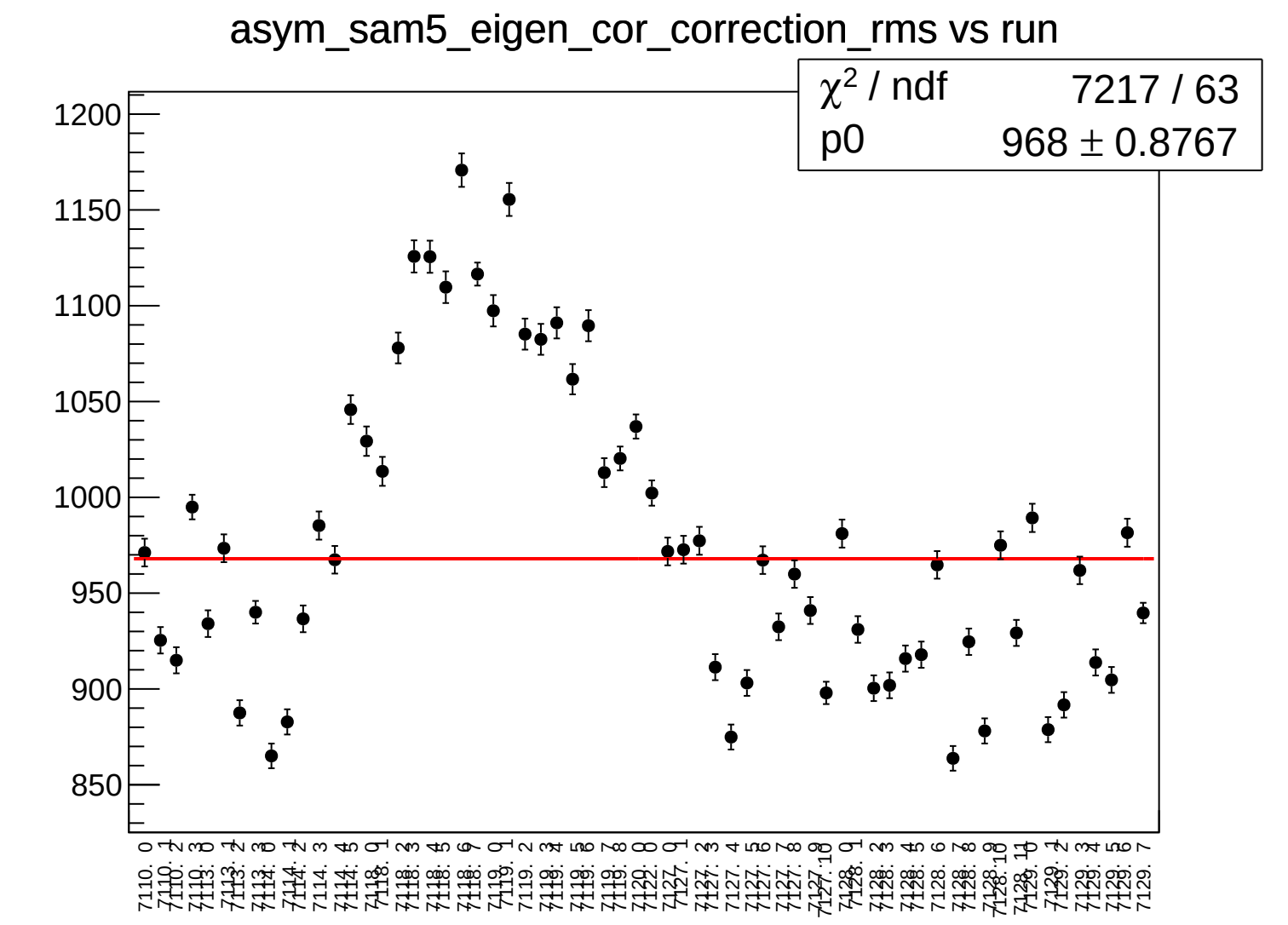

eigen_cor_asym_sam5_mean vs run
χ² / ndf 49.14 / 63
p0 176.6 ± 209.1
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −1077
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

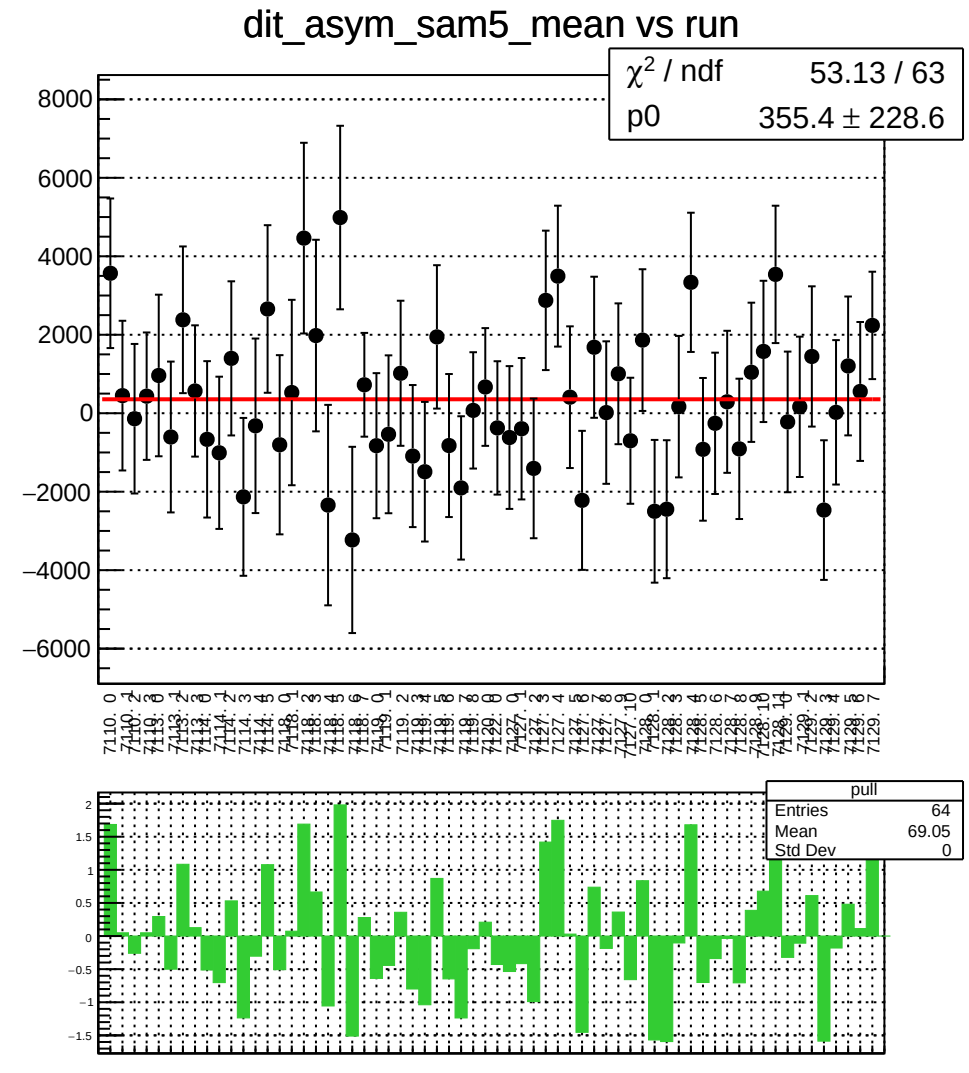

pull1D
Entries 64
Mean 0.0008774
Std Dev 0.8762
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

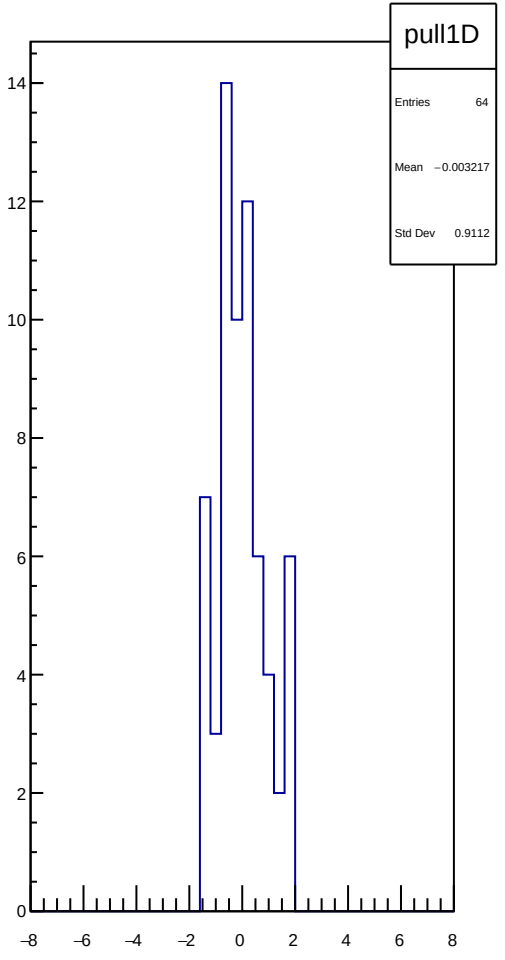

eigen_cor_asym_sam5_rms vs run
χ² / ndf 2549 / 63
p0 163.6 ± 0.1479
190
185
180
175
170
165
160
155

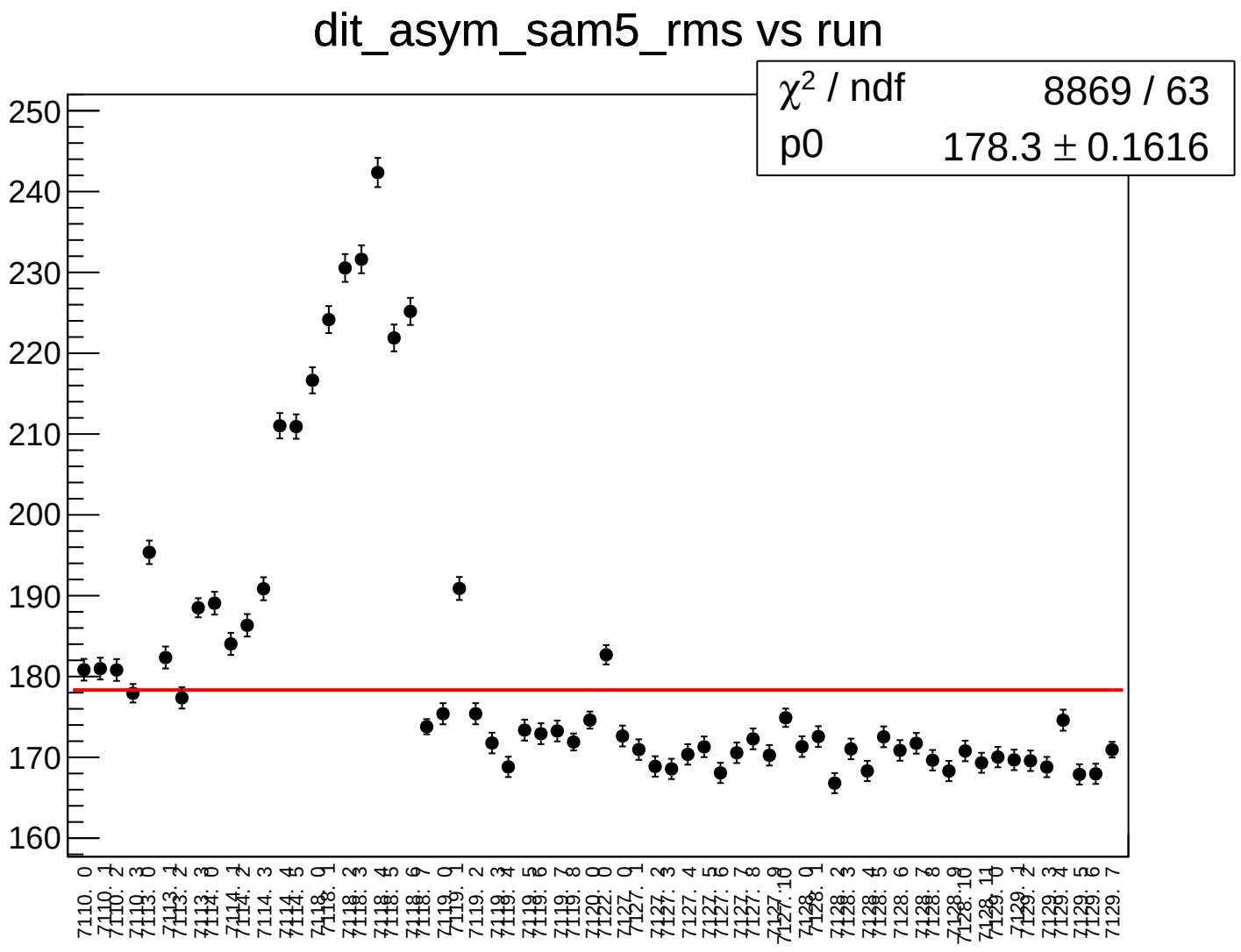

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 52.57 / 63
p0 −964.4 ± 1240
pull
Entries 64
Mean 54.69
Std Dev 0

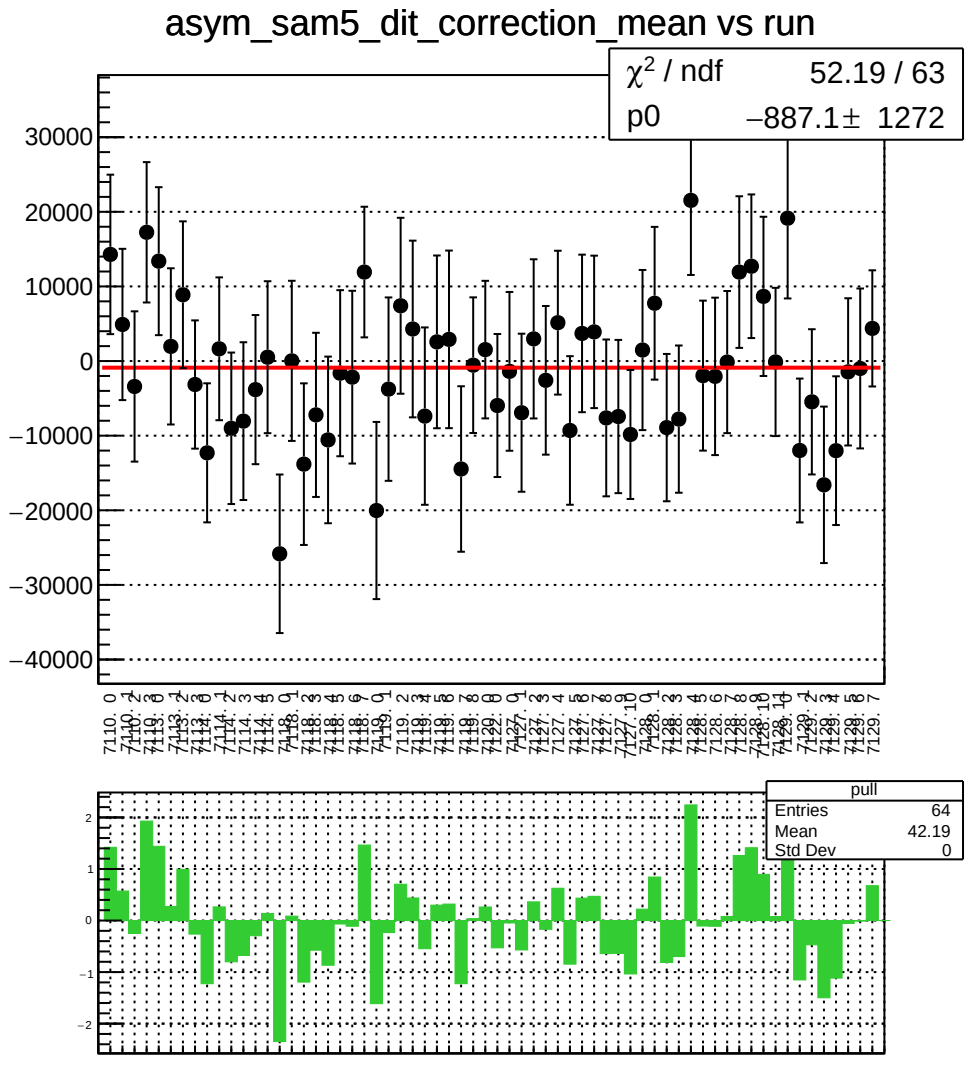

pull1D
Entries 64
Mean −0.01514
Std Dev 0.9062

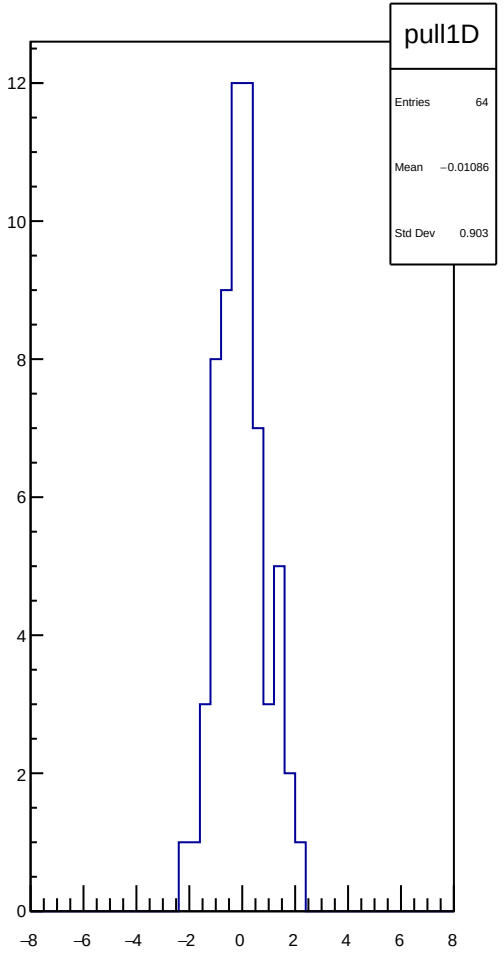

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 7217 / 63
p0 968 ± 0.8767
1200
1150
1100
1050
1000
950
900
850

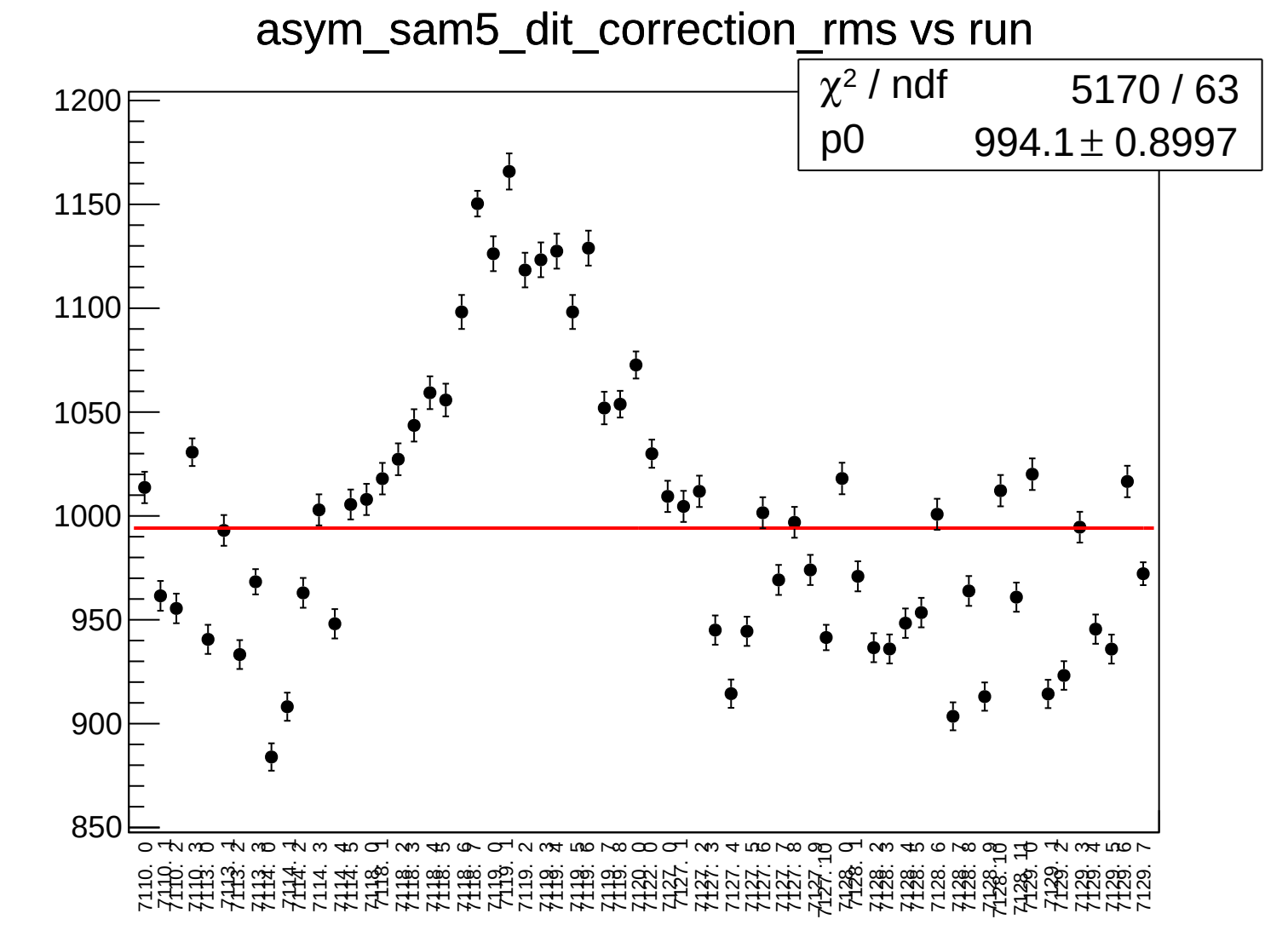

dit_asym_sam5_mean vs run
χ^2 / ndf 53.13 / 63
p0 355.4 ± 228.6
pull
Entries 64
Mean 69.05
Std Dev 0

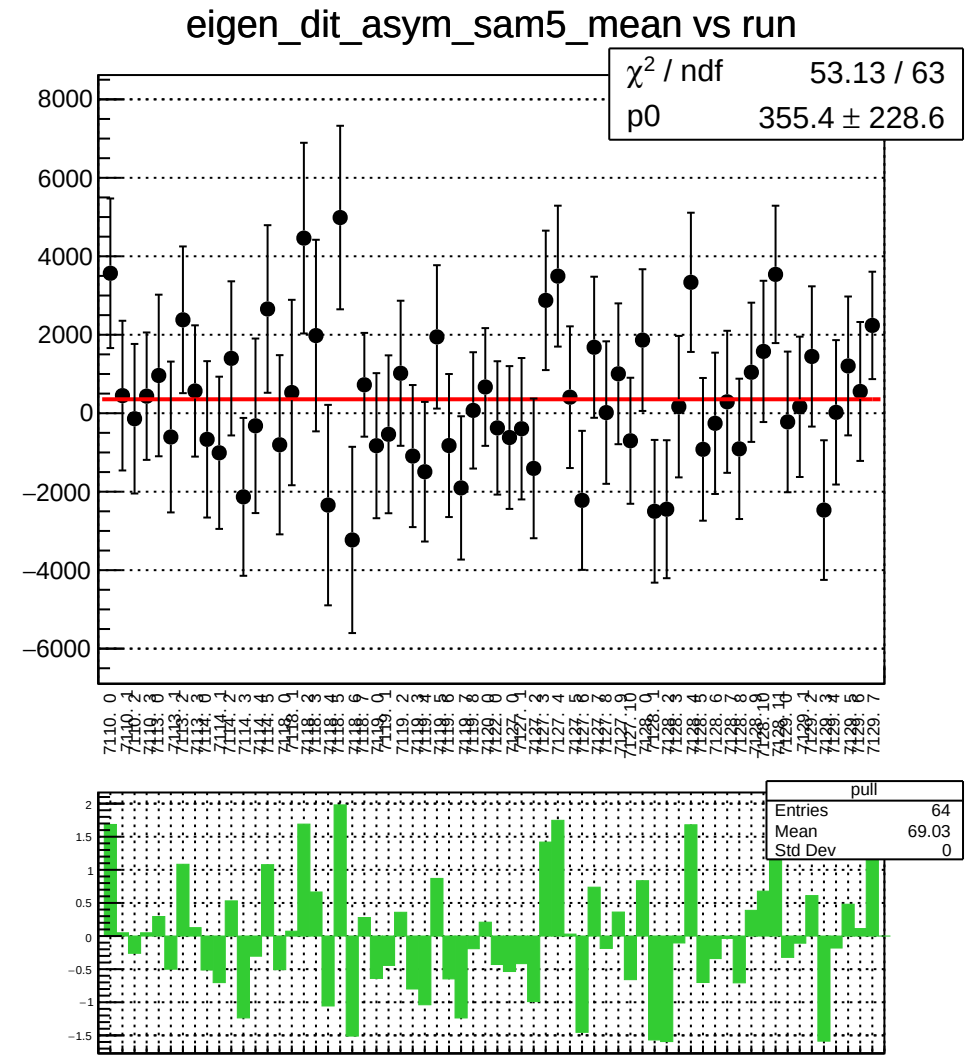

pull1D
Entries 64
Mean −0.003217
Std Dev 0.9112

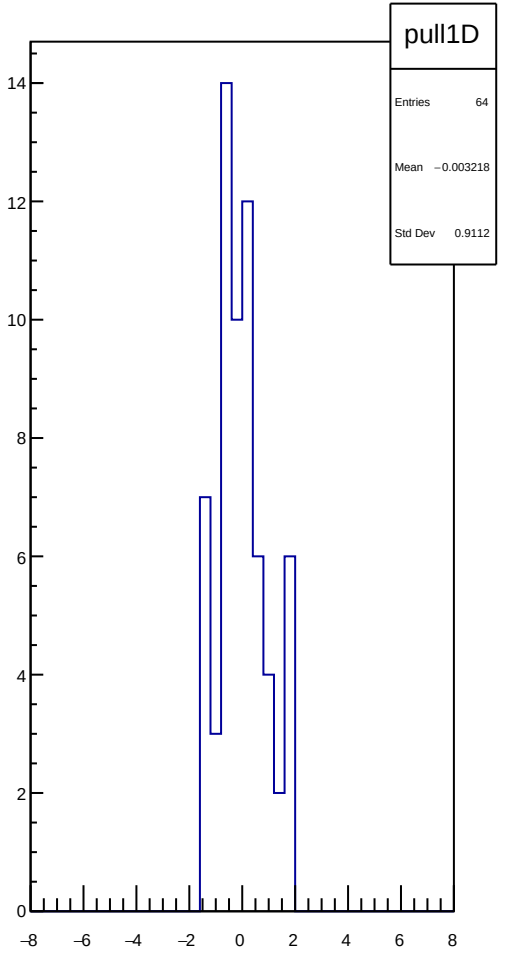

dit_asym_sam5_rms vs run
χ² / ndf 8869 / 63
p0 178.3 ± 0.1616
250
240
230
220
210
200
190
180
170
160

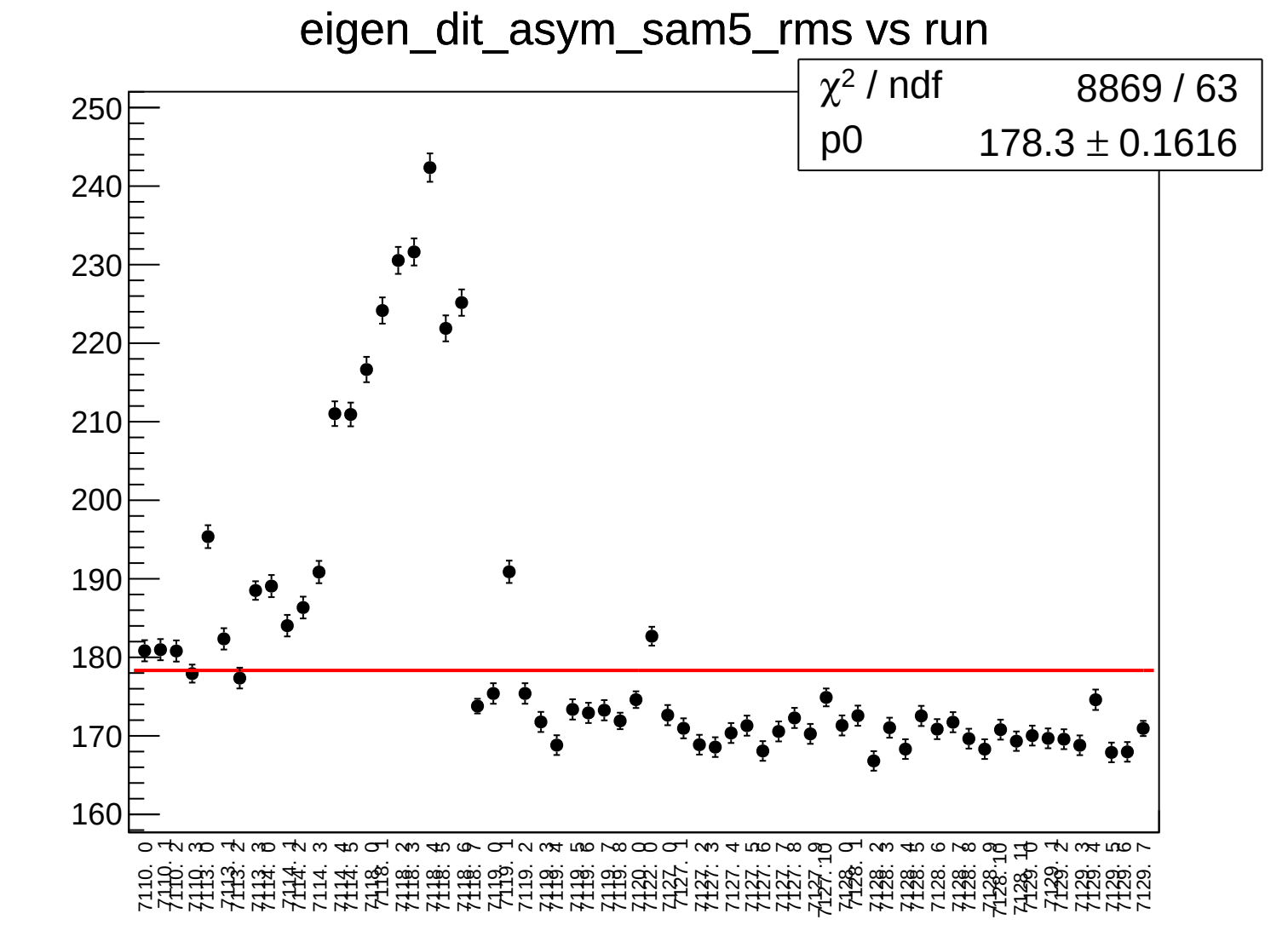

asym_sam5_dit_correction_mean vs run
χ² / ndf 52.19 / 63
p0 −887.1± 1272
pull
Entries 64
Mean 42.19
Std Dev 0

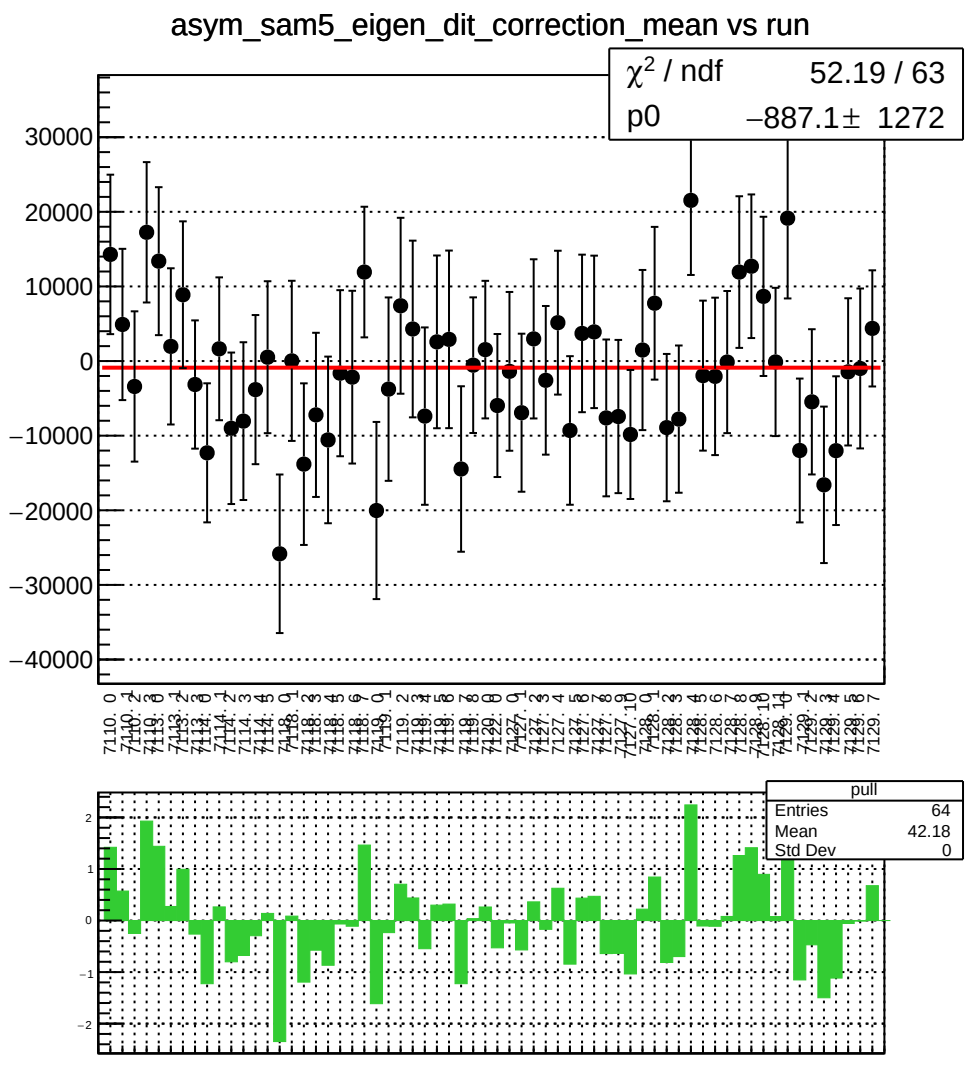

pull1D
Entries 64
Mean −0.01086
Std Dev 0.903

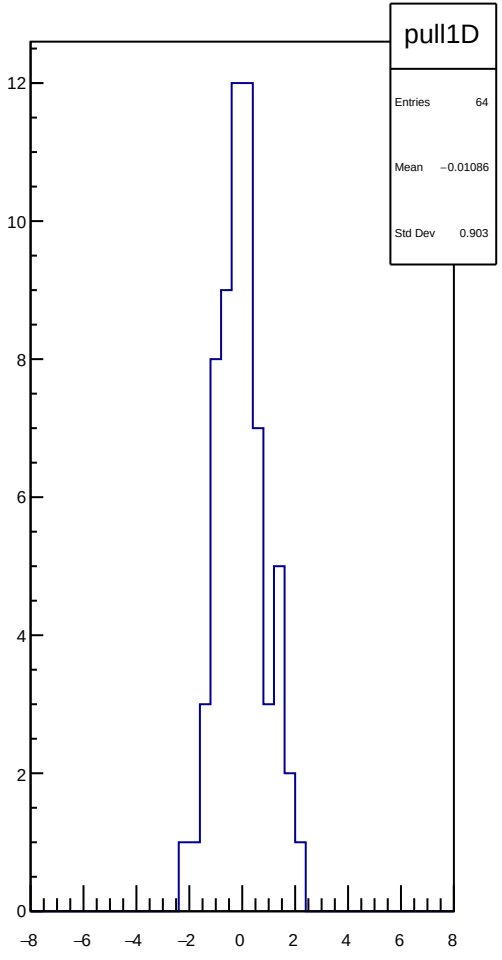

asym_sam5_dit_correction_rms vs run
χ² / ndf 5170 / 63
p0 994.1 ± 0.8997
1200
1150
1100
1050
1000
950
900
850

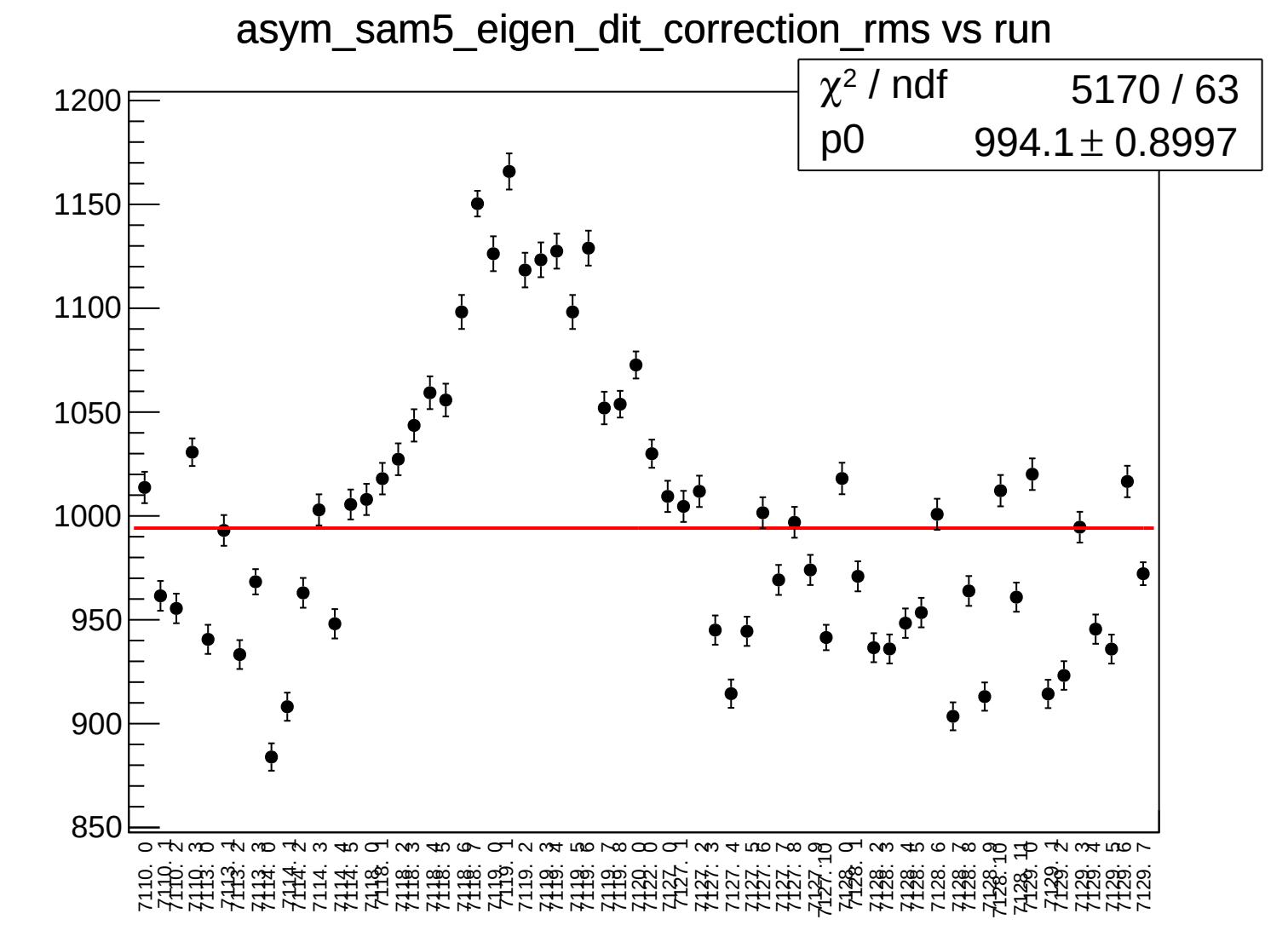

eigen_dit_asym_sam5_mean vs run
χ² / ndf 53.13 / 63
p0 355.4 ± 228.6
pull
Entries 64
Mean 69.03
Std Dev 0

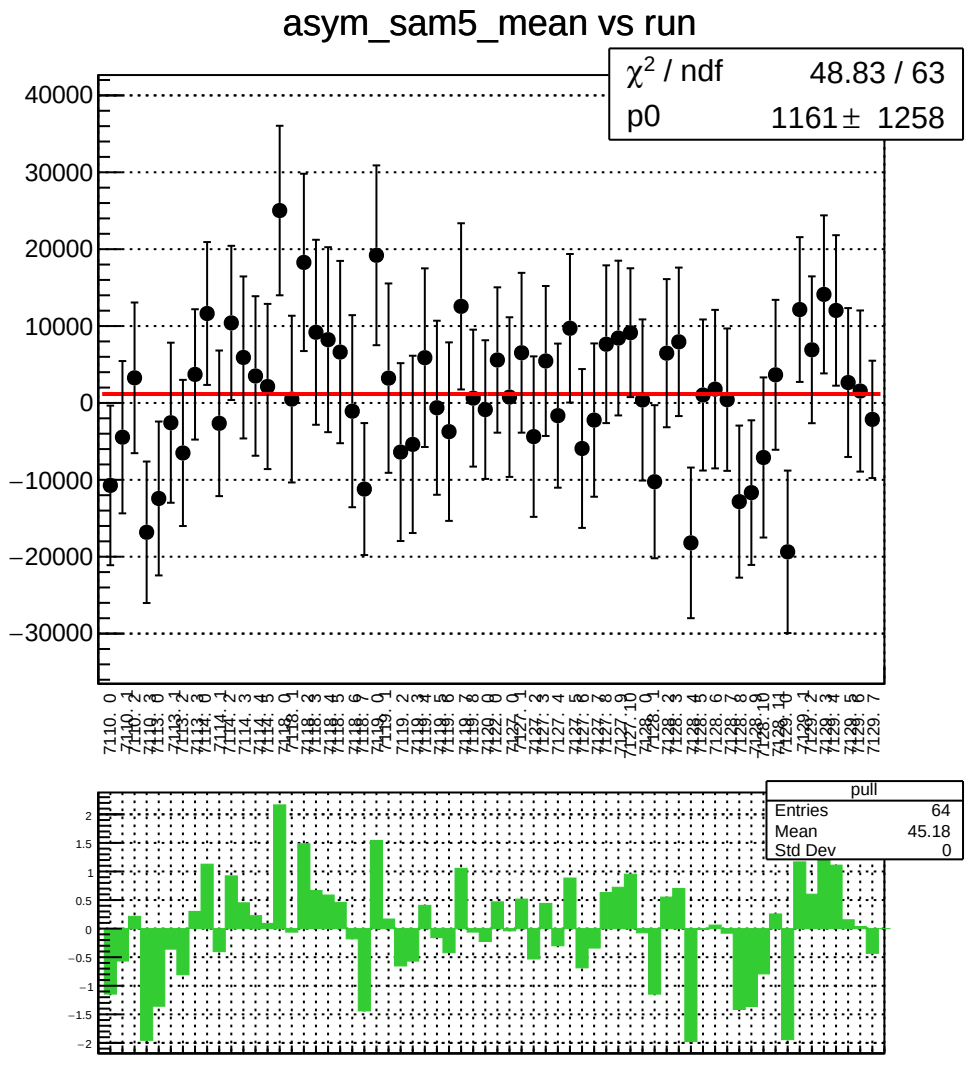

pull1D
Entries 64
Mean −0.003218
Std Dev 0.9112

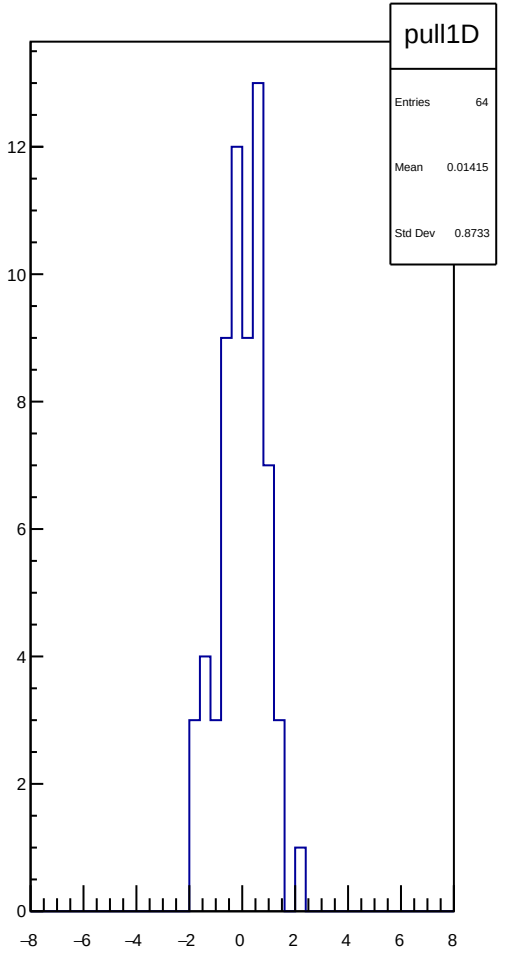

eigen_dit_asym_sam5_rms vs run
χ² / ndf 8869 / 63
p0 178.3 ± 0.1616
250
240
230
220
210
200
190
180
170
160

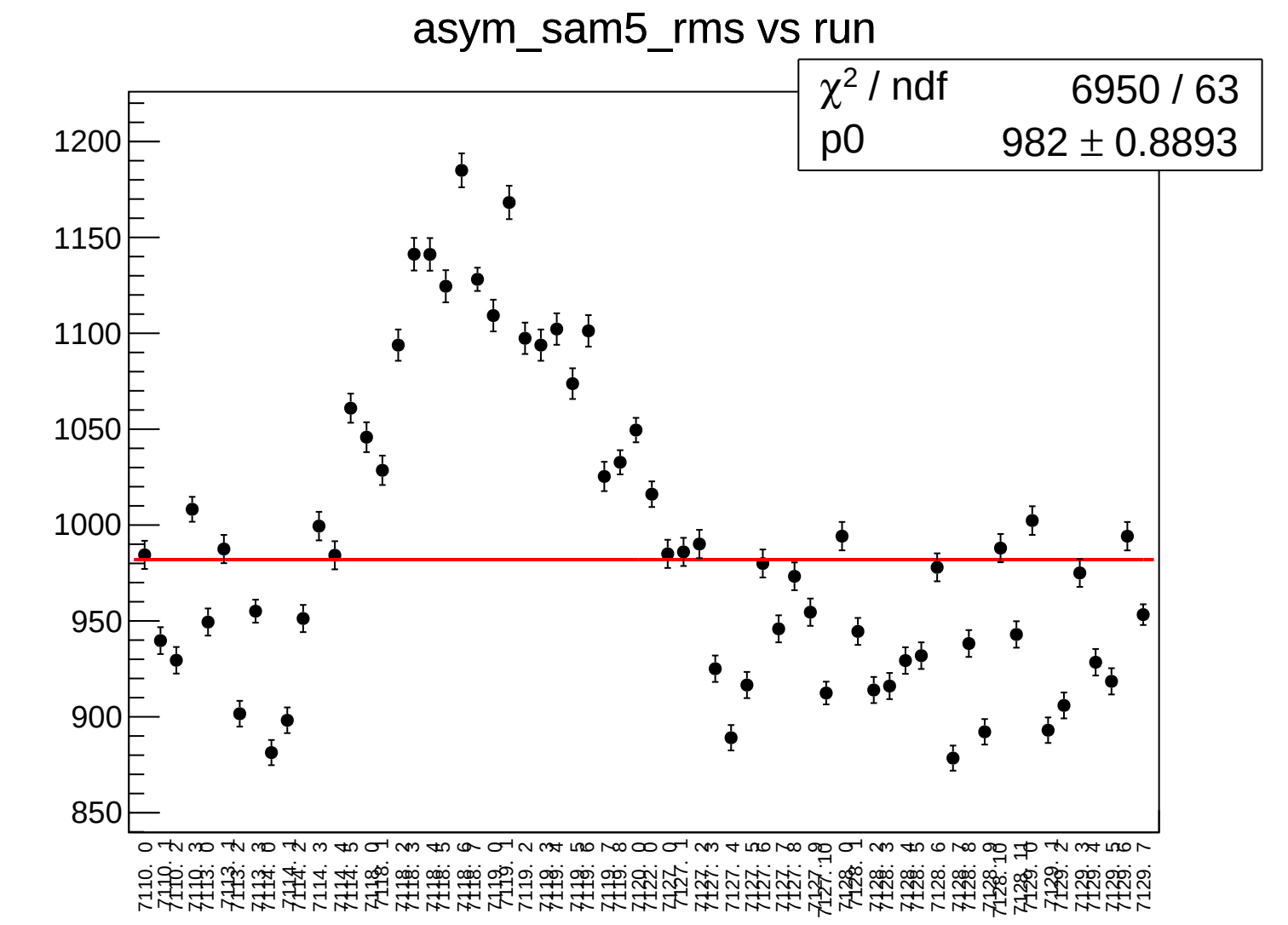

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 52.19 / 63
p0 −887.1± 1272
pull
Entries 64
Mean 42.18
Std Dev 0

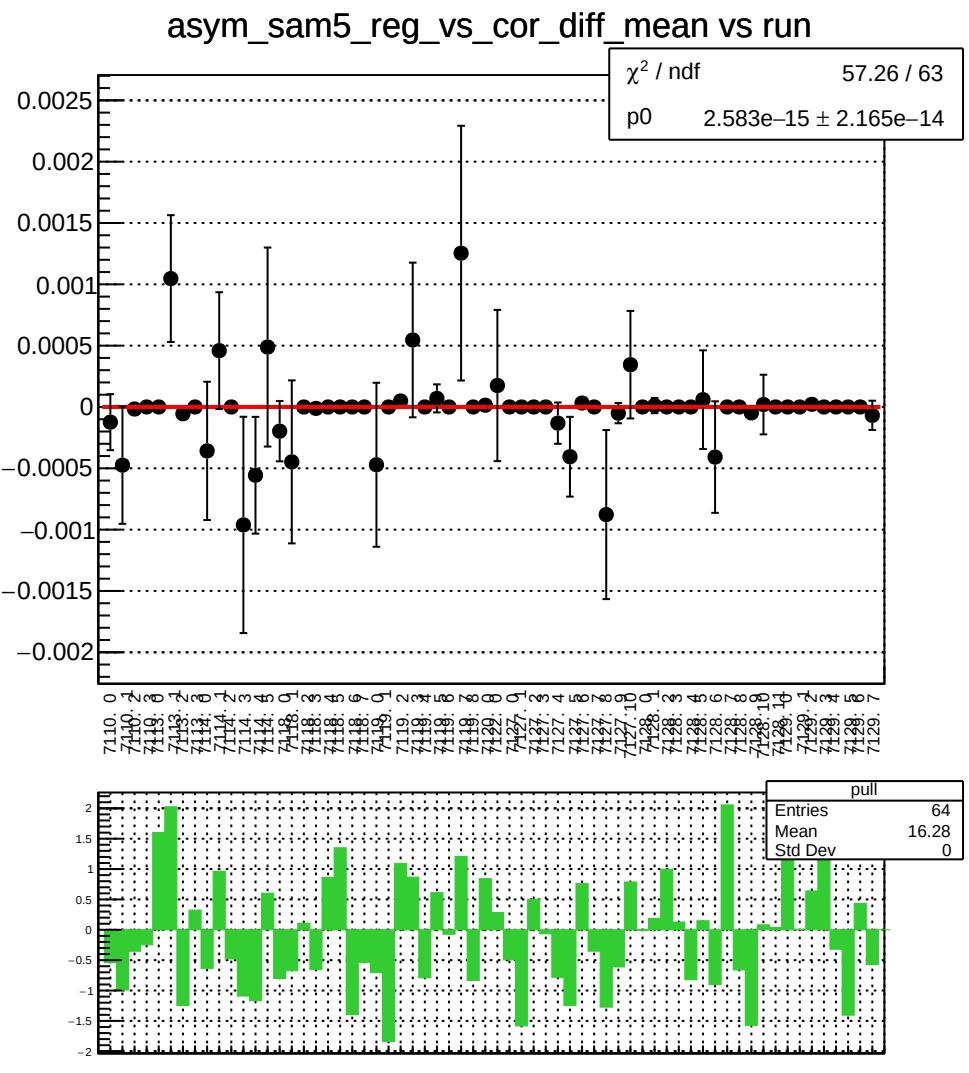

pull1D
Entries 64
Mean −0.01086
Std Dev 0.903

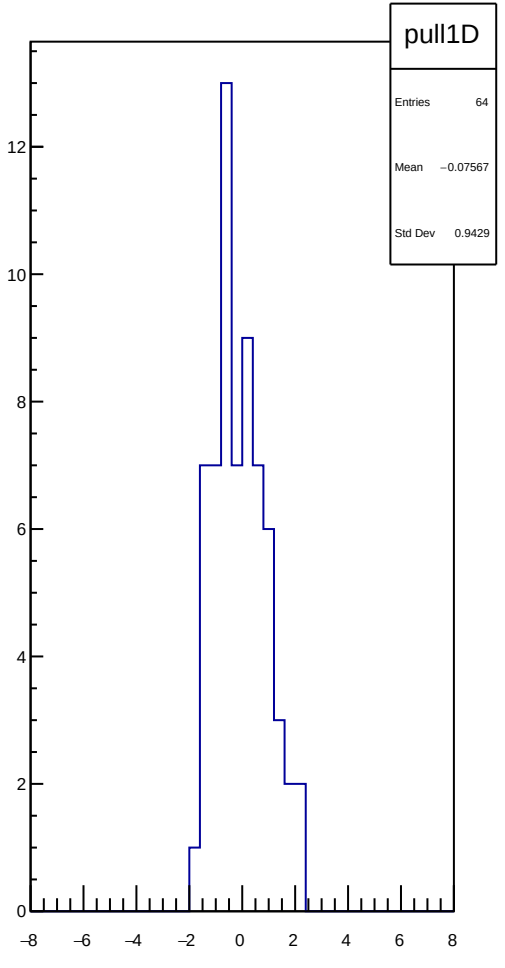

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 5170 / 63
p0 994.1 ± 0.8997
1200
1150
1100
1050
1000
950
900
850

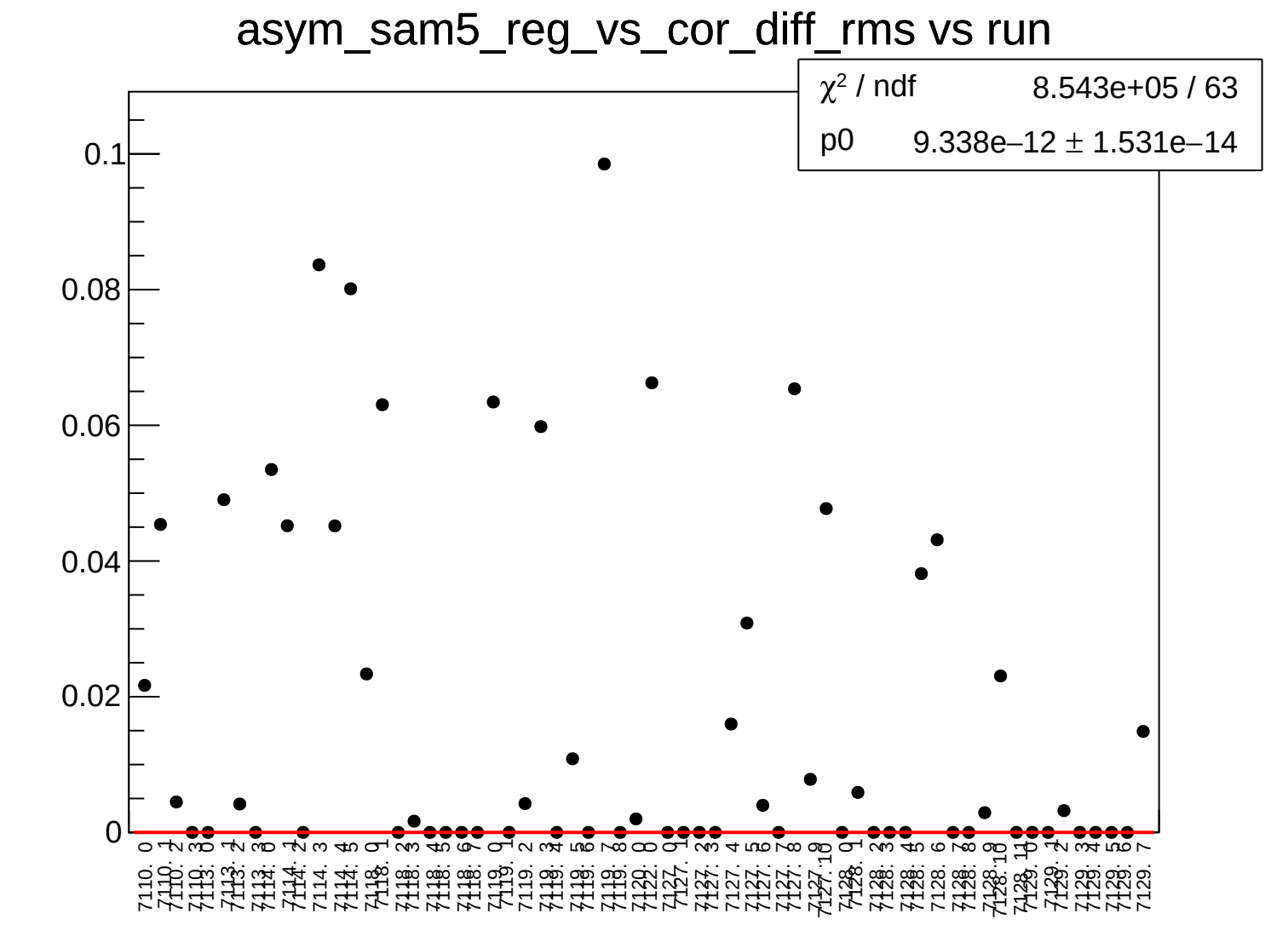

asym_sam5_mean vs run
χ² / ndf 48.83 / 63
p0 1161 ± 1258
pull
Entries 64
Mean 45.18
Std Dev 0

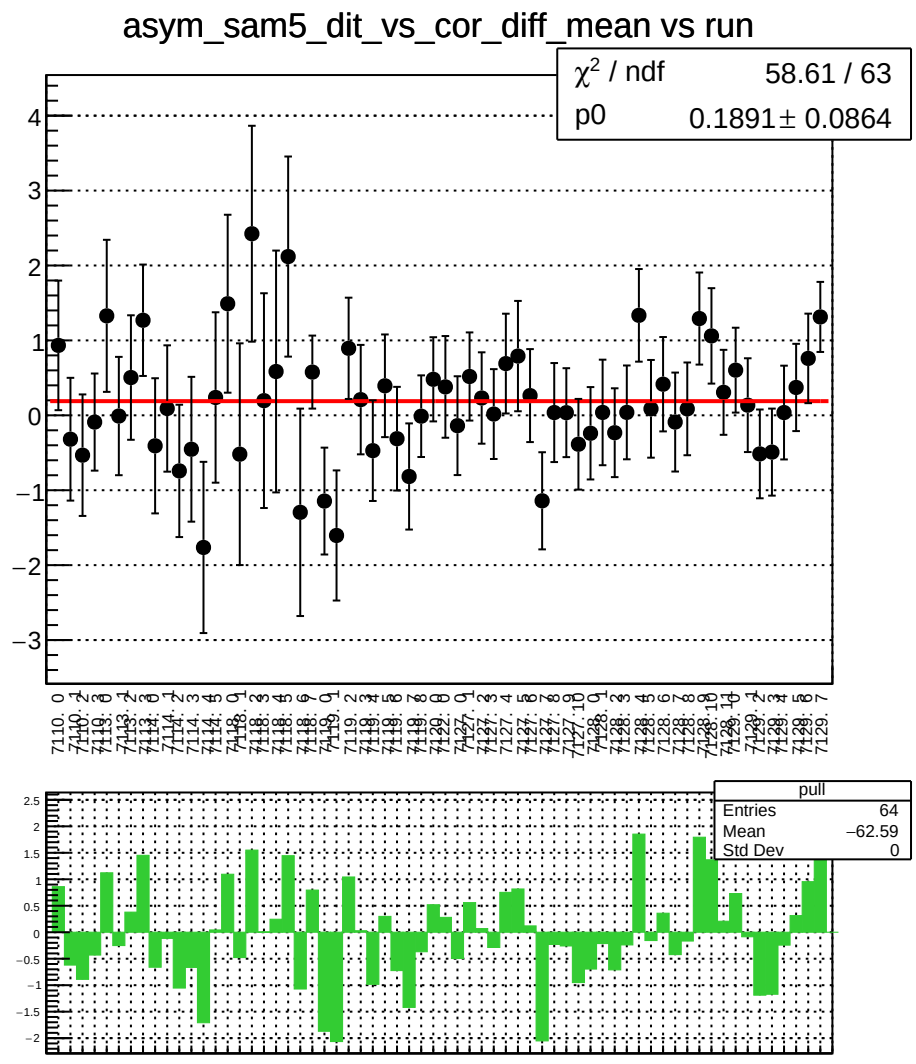

pull1D
Entries 64
Mean 0.01415
Std Dev 0.8733

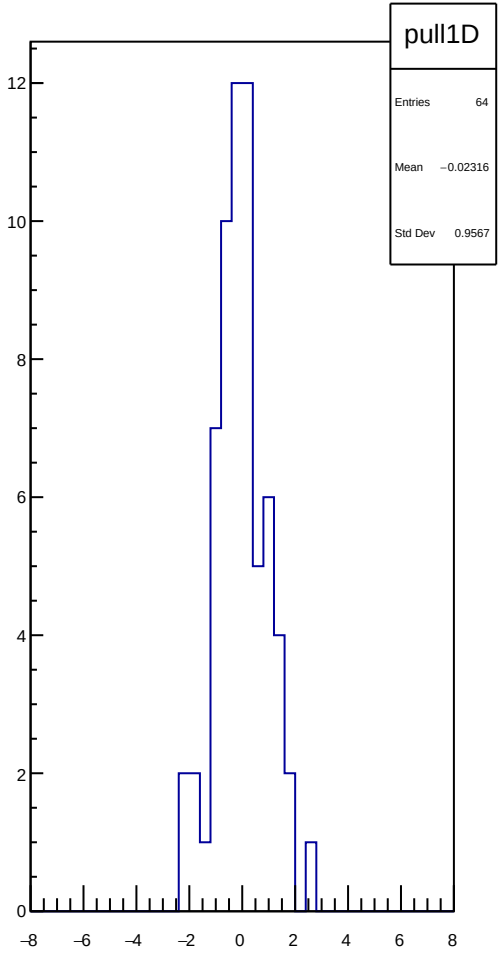

asym_sam5_rms vs run
χ² / ndf 6950 / 63
p0 982 ± 0.8893
1200
1150
1100
1050
1000
950
900
850

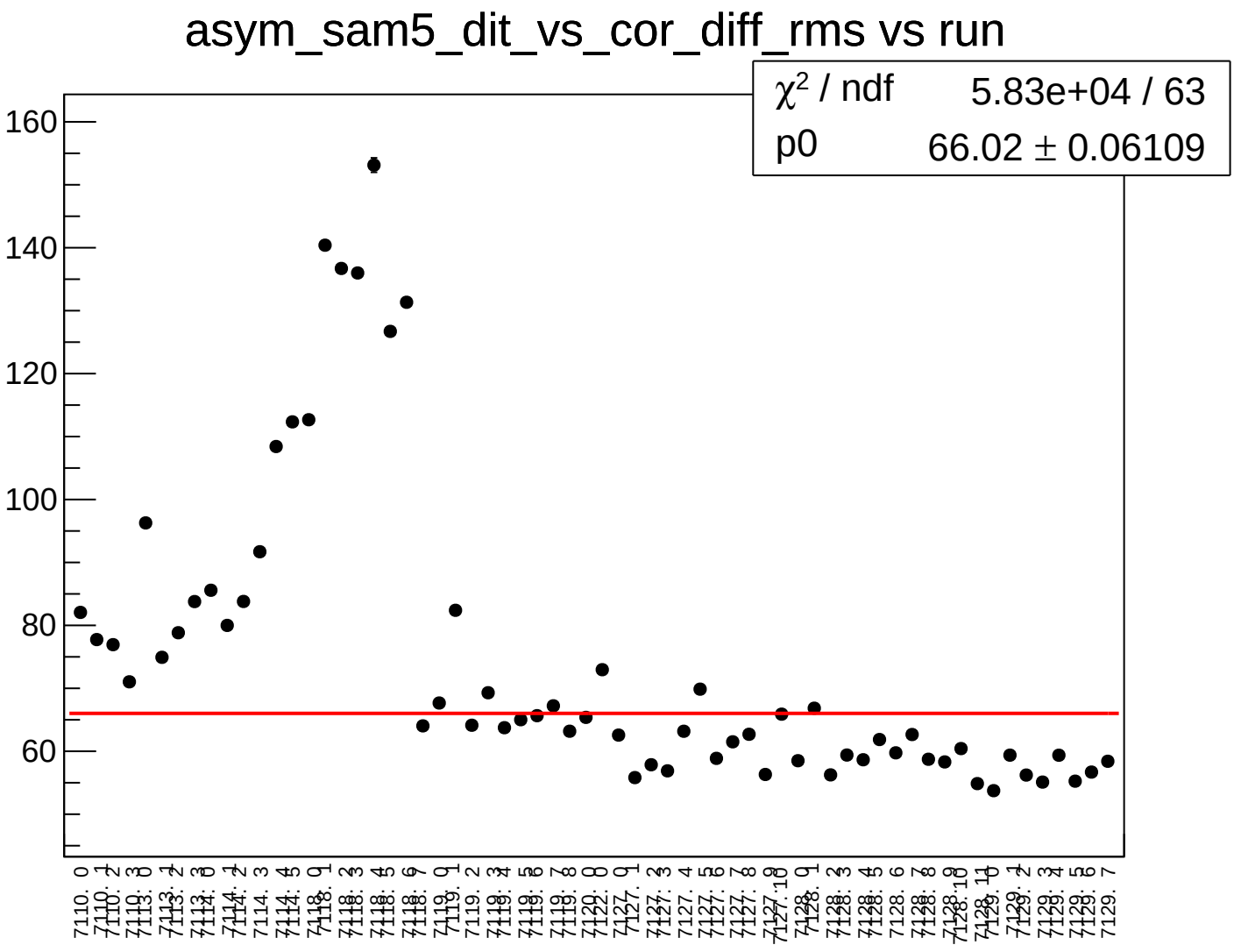

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 57.26 / 63
p0 2.583e−15 ± 2.165e−14
pull
Entries 64
Mean 16.28
Std Dev 0

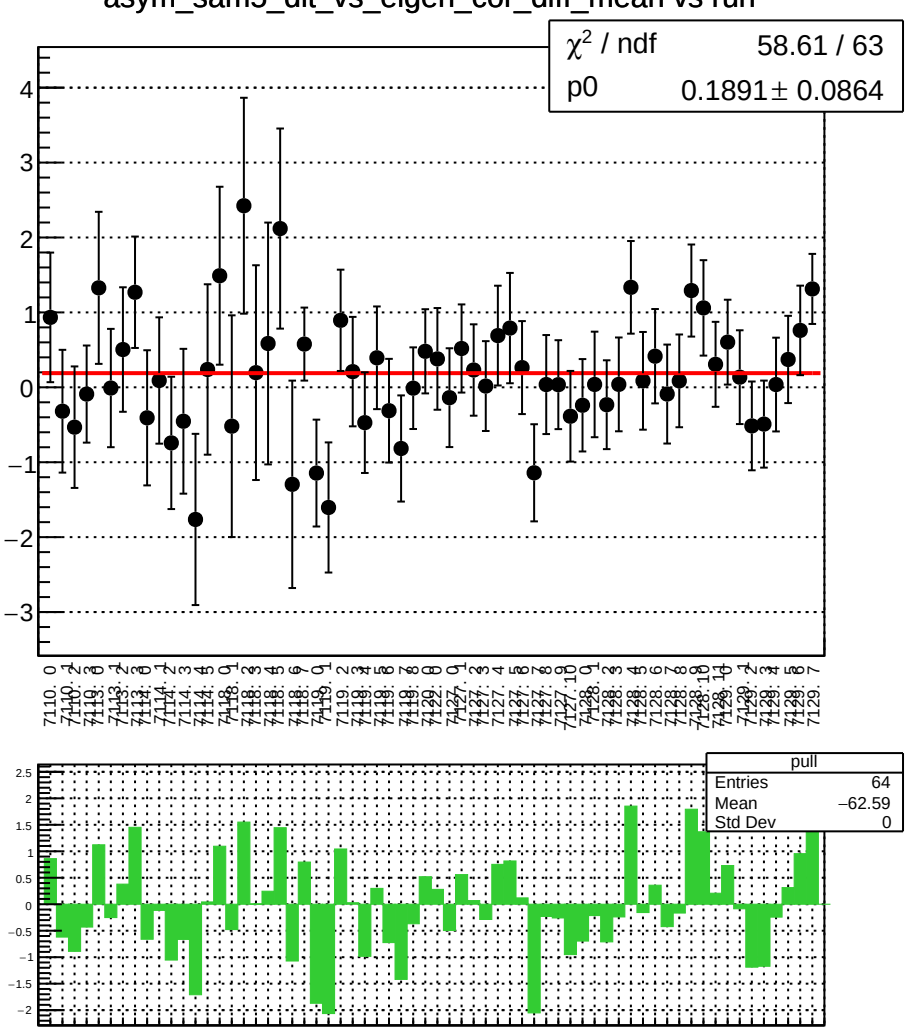

pull1D
Entries 64
Mean −0.07567
Std Dev 0.9429

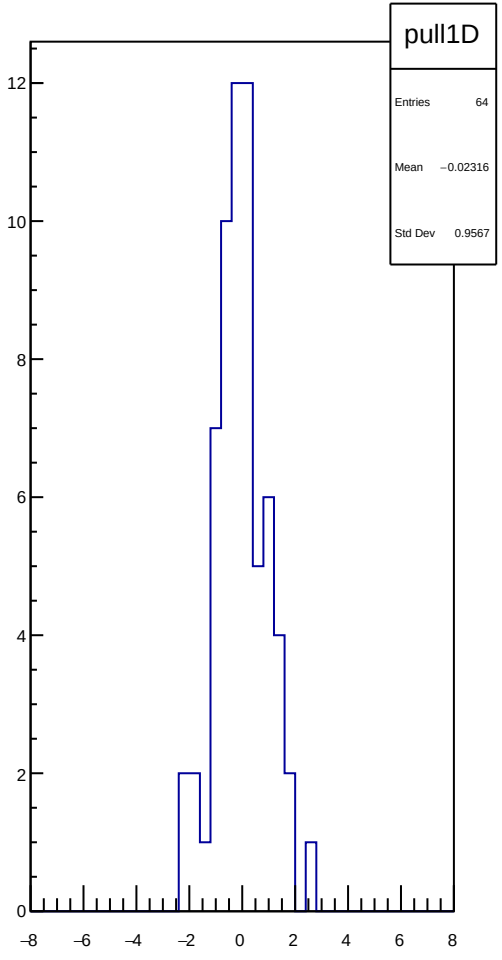

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 8.543e+05 / 63
p0 9.338e−12 ± 1.531e−14
0.1
0.08
0.06
0.04
0.02
0

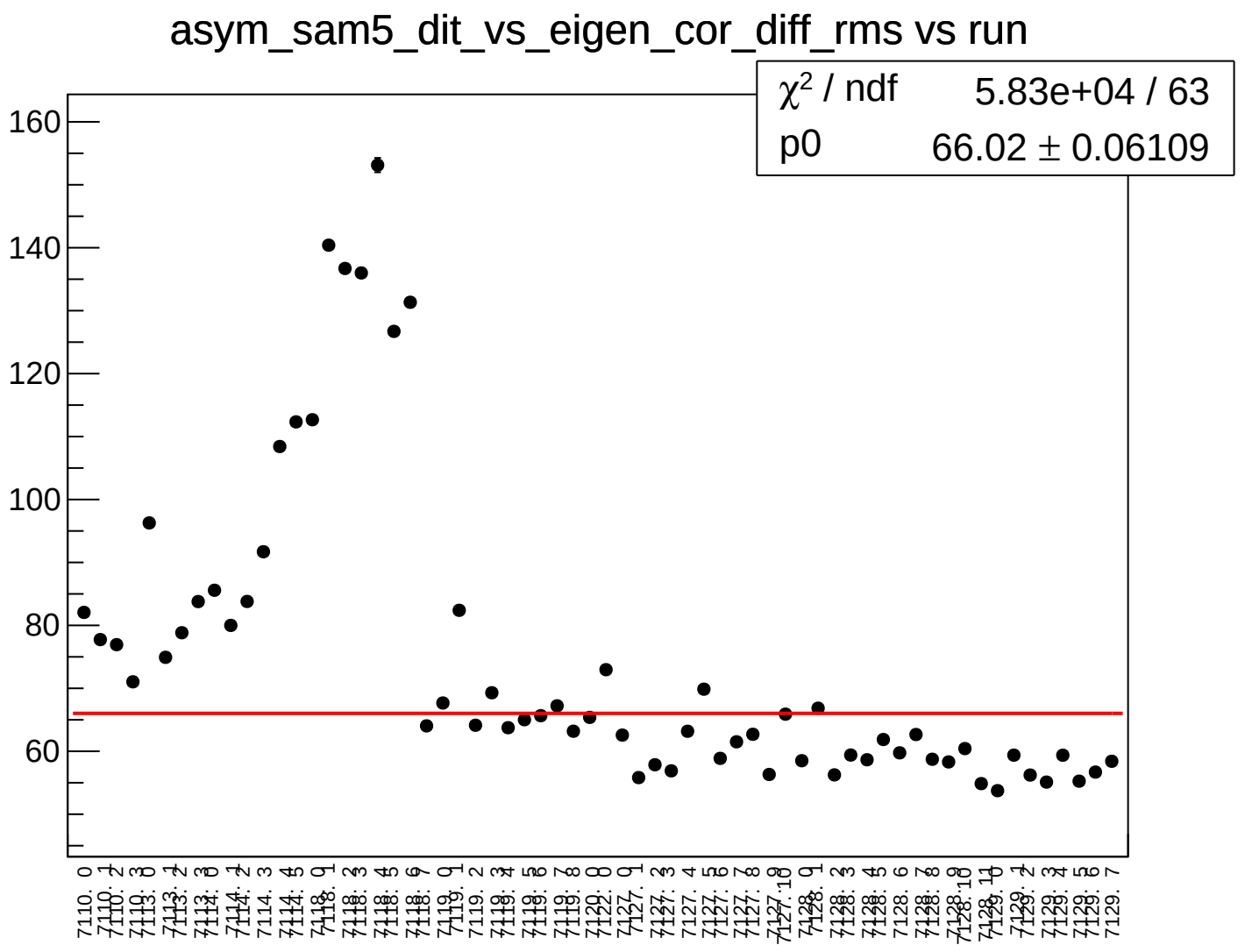

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 58.61 / 63
p0 0.1891 ± 0.0864
pull
Entries 64
Mean −62.59
Std Dev 0

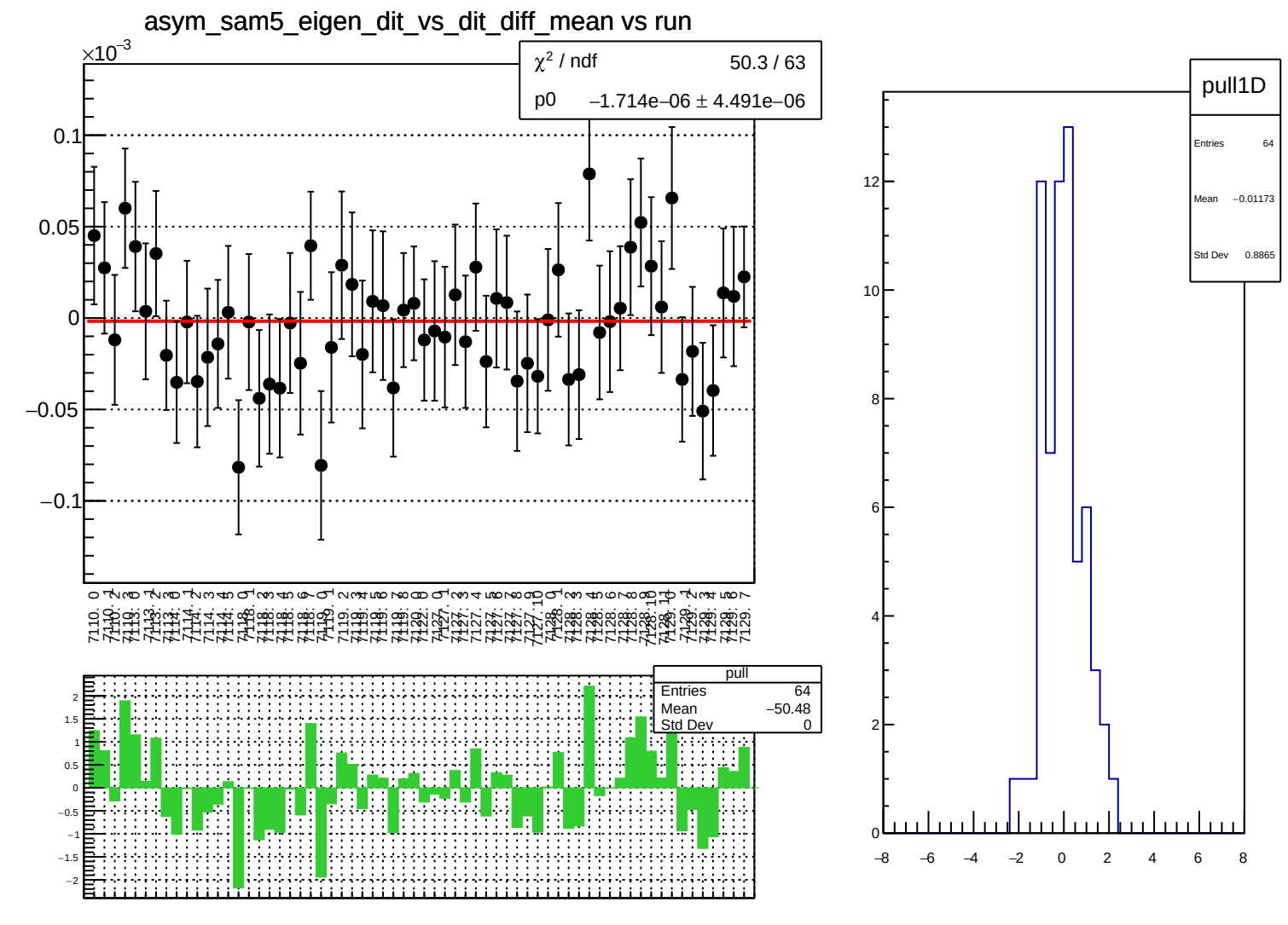

pull1D
Entries 64
Mean −0.02316
Std Dev 0.9567

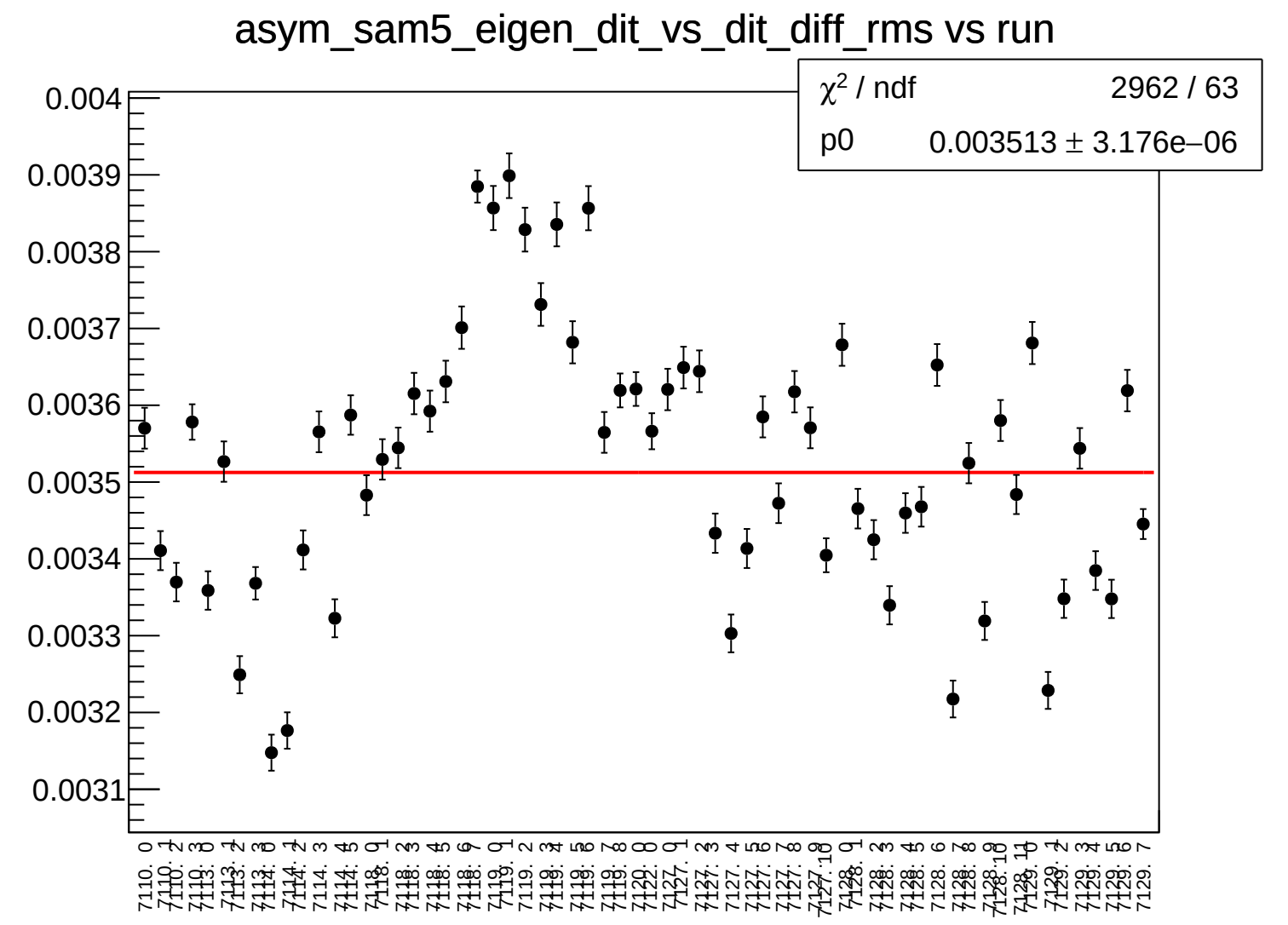

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 5.83e+04 / 63
p0 66.02 ± 0.06109
160
140
120
100
80
60

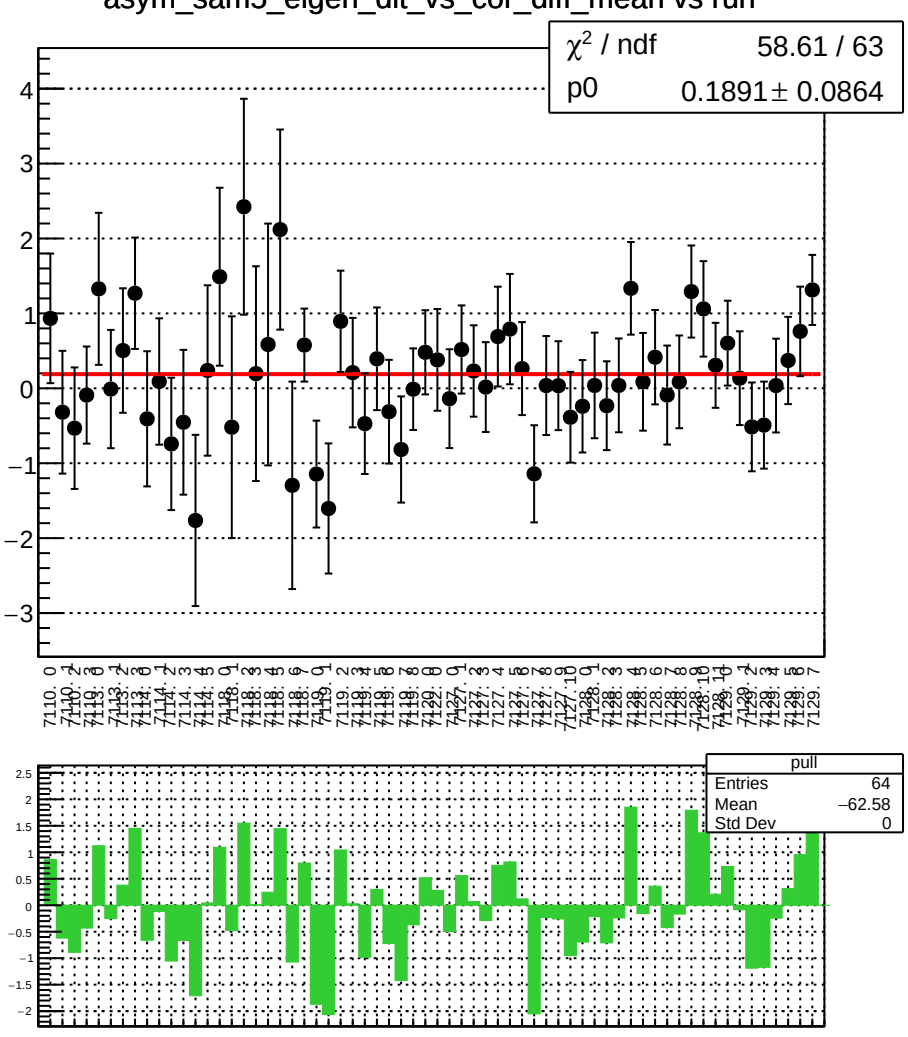

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.61 / 63
p0 0.1891 ± 0.0864
pull
Entries 64
Mean −62.59
Std Dev 0

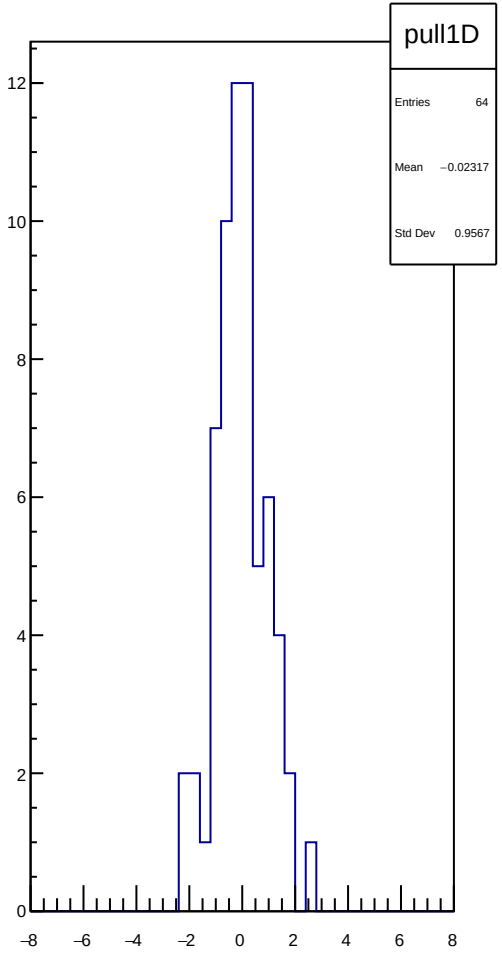

pull1D
Entries 64
Mean −0.02316
Std Dev 0.9567

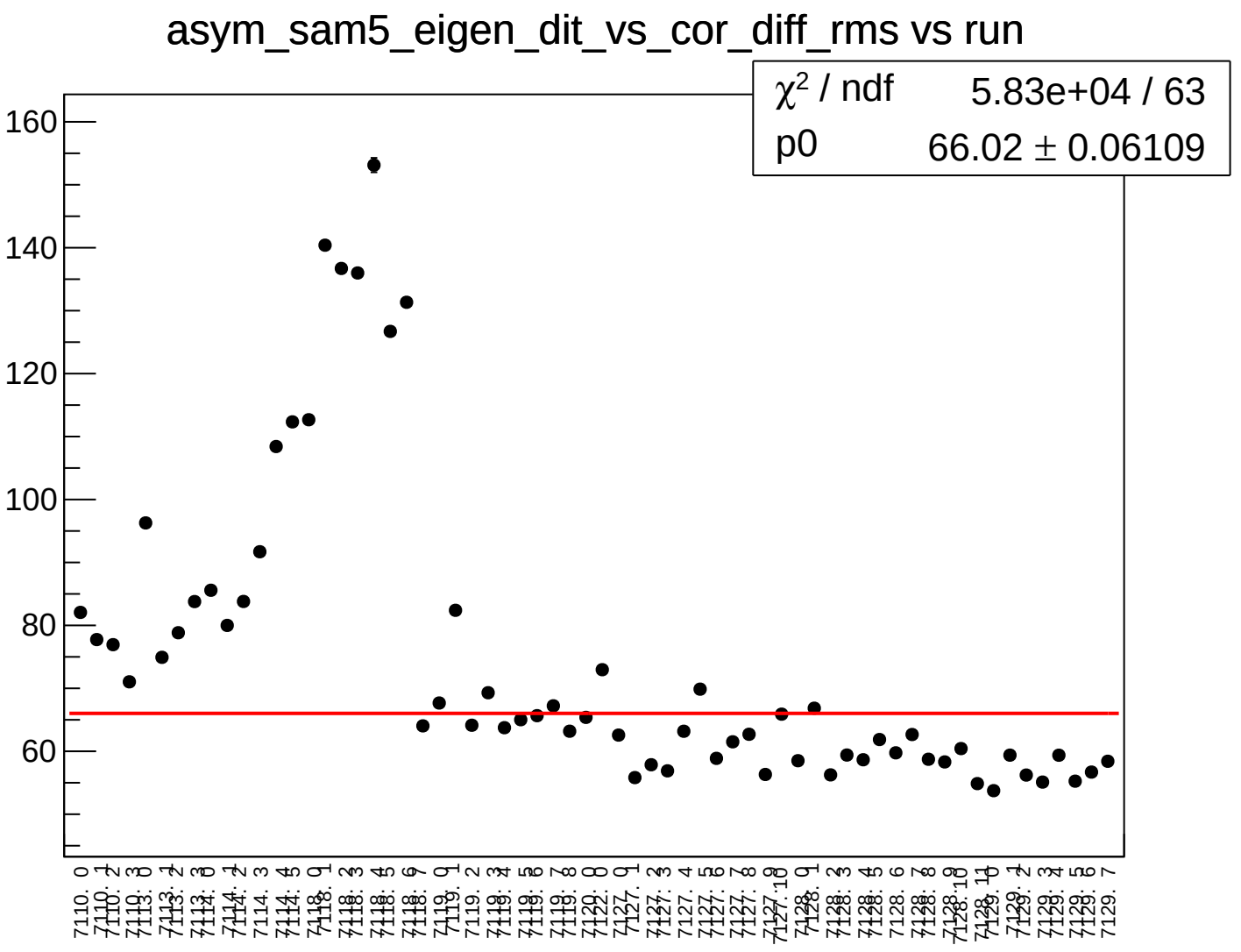

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.83e+04 / 63
p0 66.02 ± 0.06109
160
140
120
100
80
60

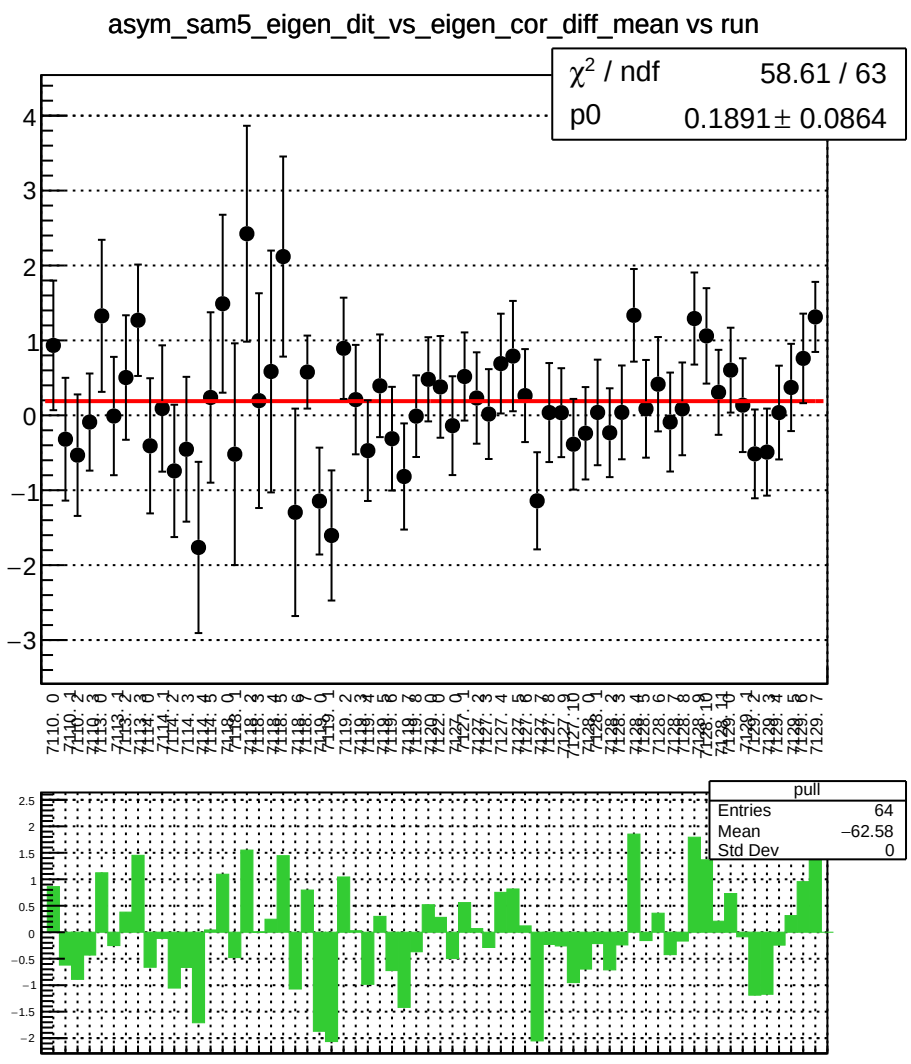

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.3 / 63
p0 −1.714e−06 ± 4.491e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 64
Mean −50.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.01173
Std Dev 0.8865
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

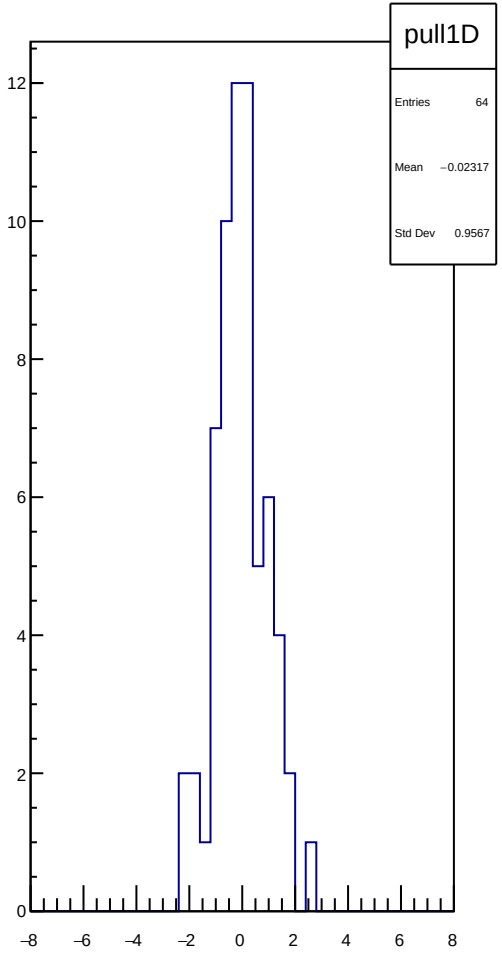

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2962 / 63
p0 0.003513 ± 3.176e−06
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031

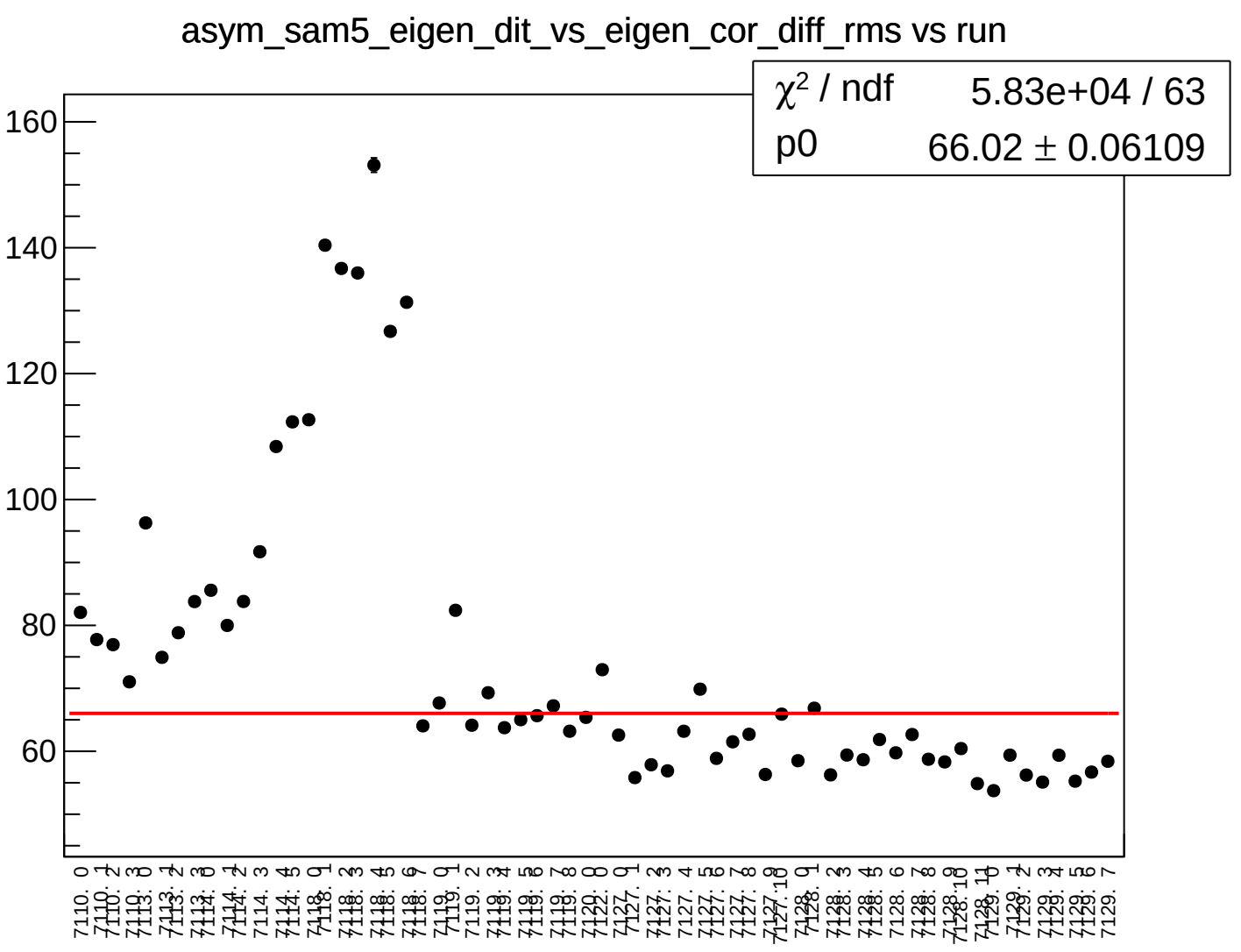

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.61 / 63
p0 0.1891 ± 0.0864
pull
Entries 64
Mean −62.58
Std Dev 0

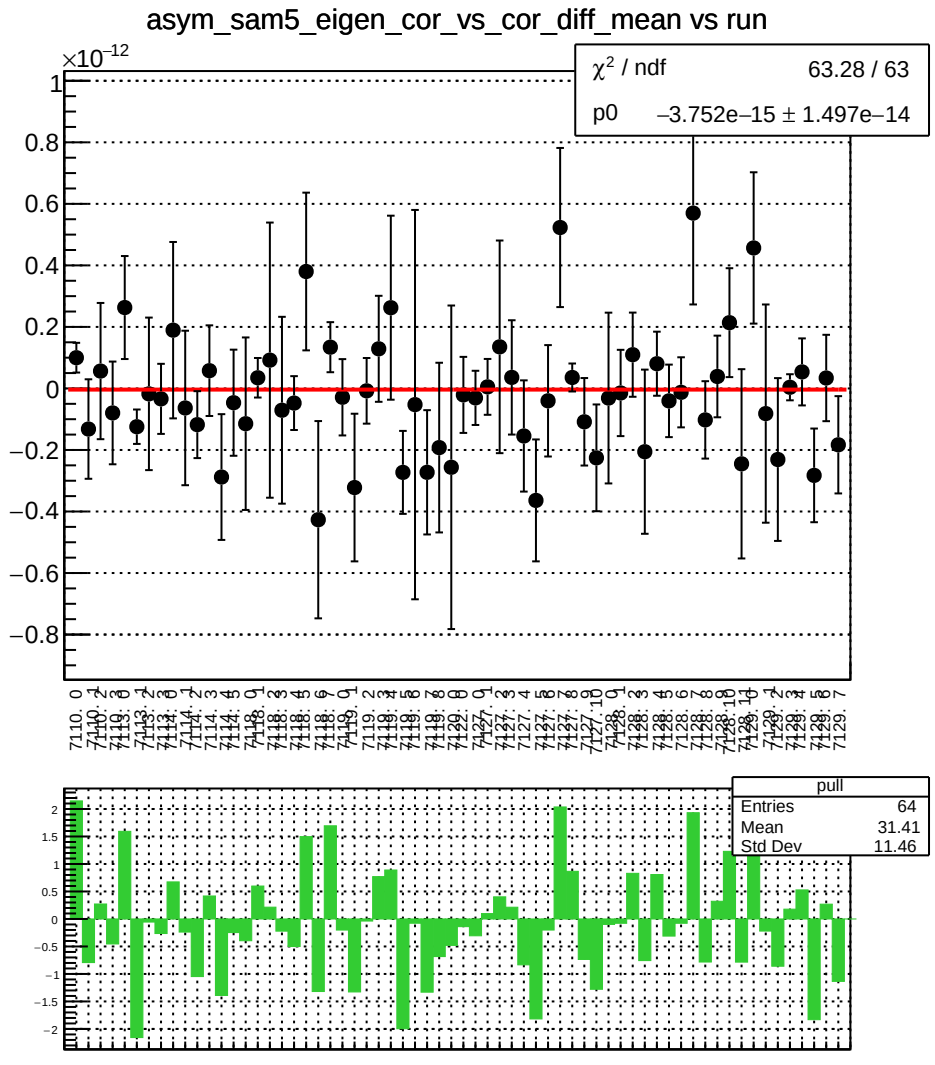

pull1D
Entries 64
Mean −0.02317
Std Dev 0.9567

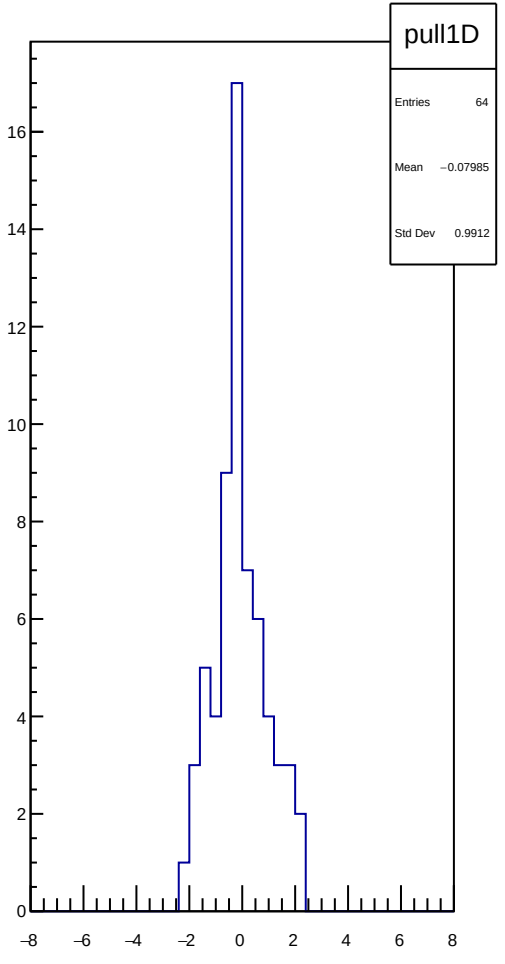

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.83e+04 / 63
p0 66.02 ± 0.06109
160
140
120
100
80
60

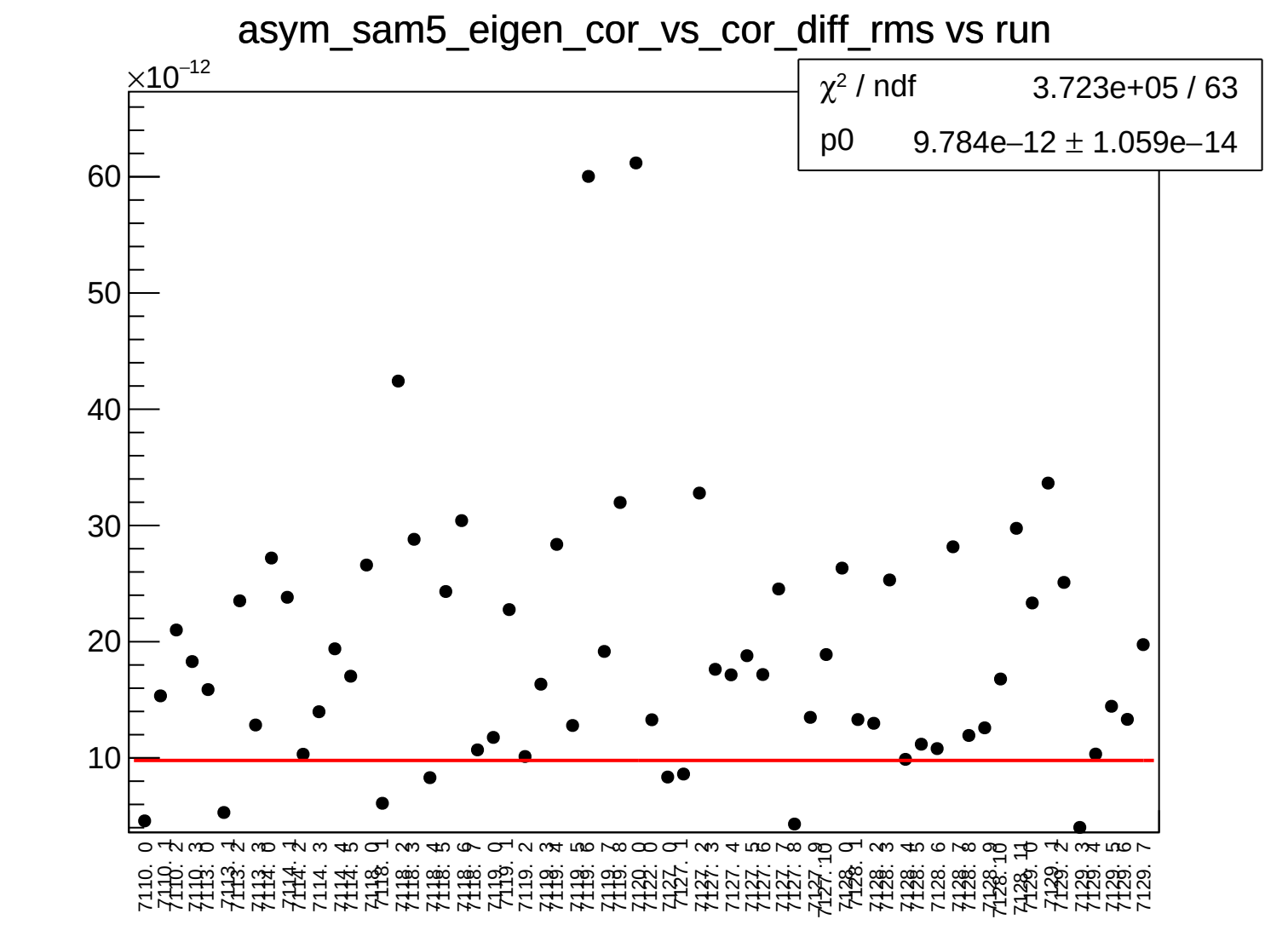

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.61 / 63
p0 0.1891 ± 0.0864
pull
Entries 64
Mean −62.58
Std Dev 0

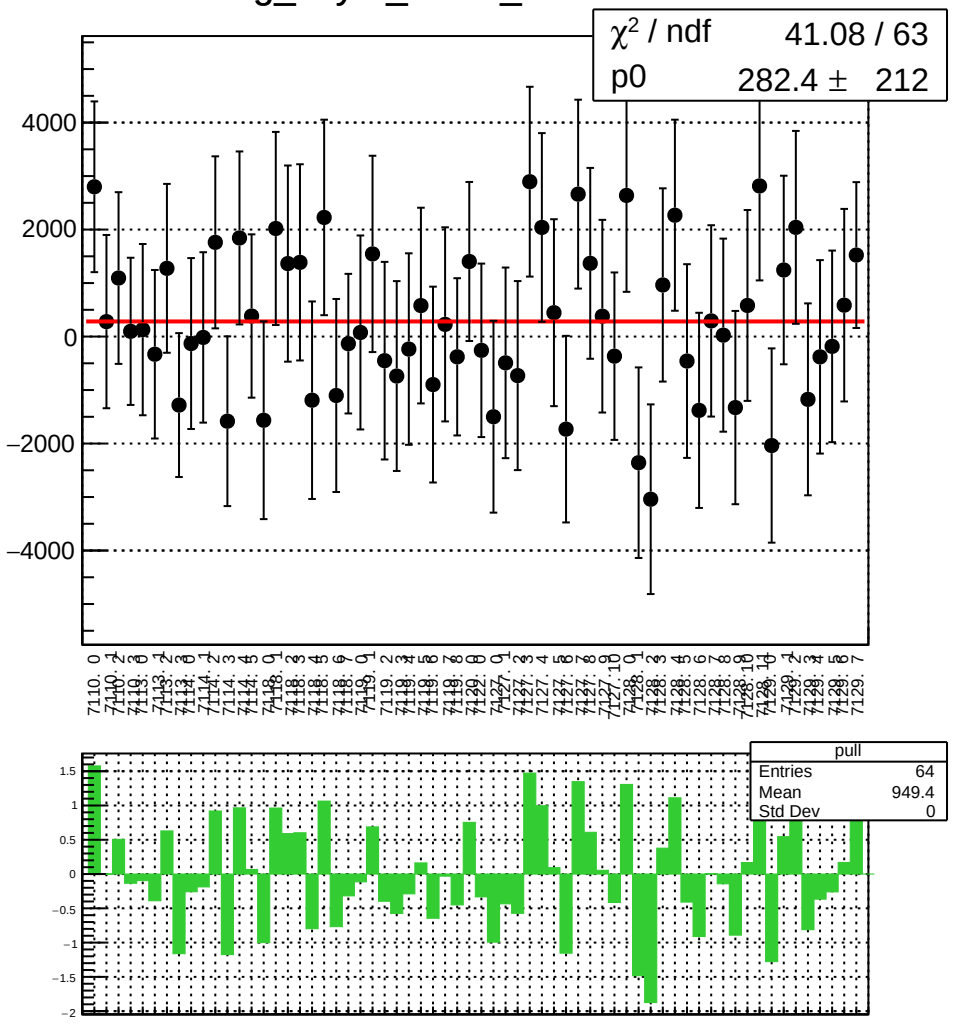

pull1D
Entries 64
Mean −0.02317
Std Dev 0.9567

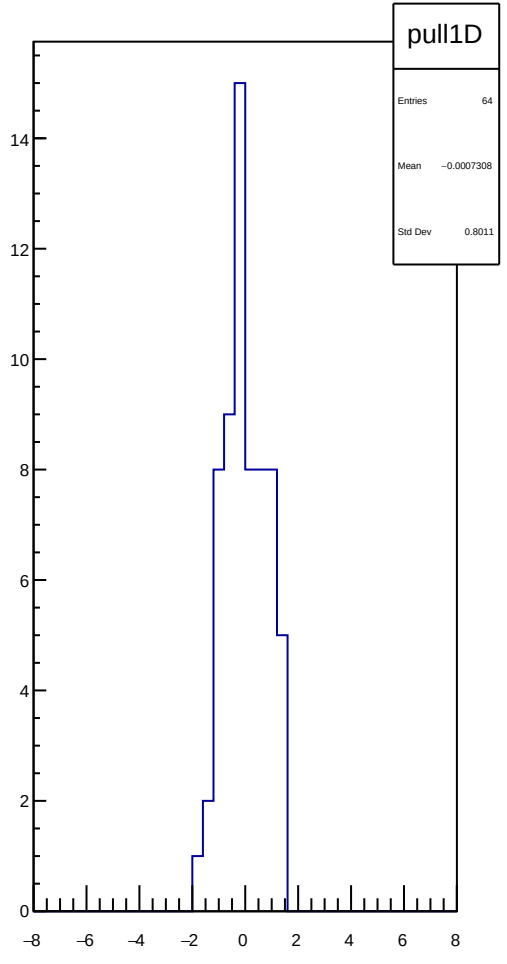

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.83e+04 / 63
p0 66.02 ± 0.06109
160
140
120
100
80
60

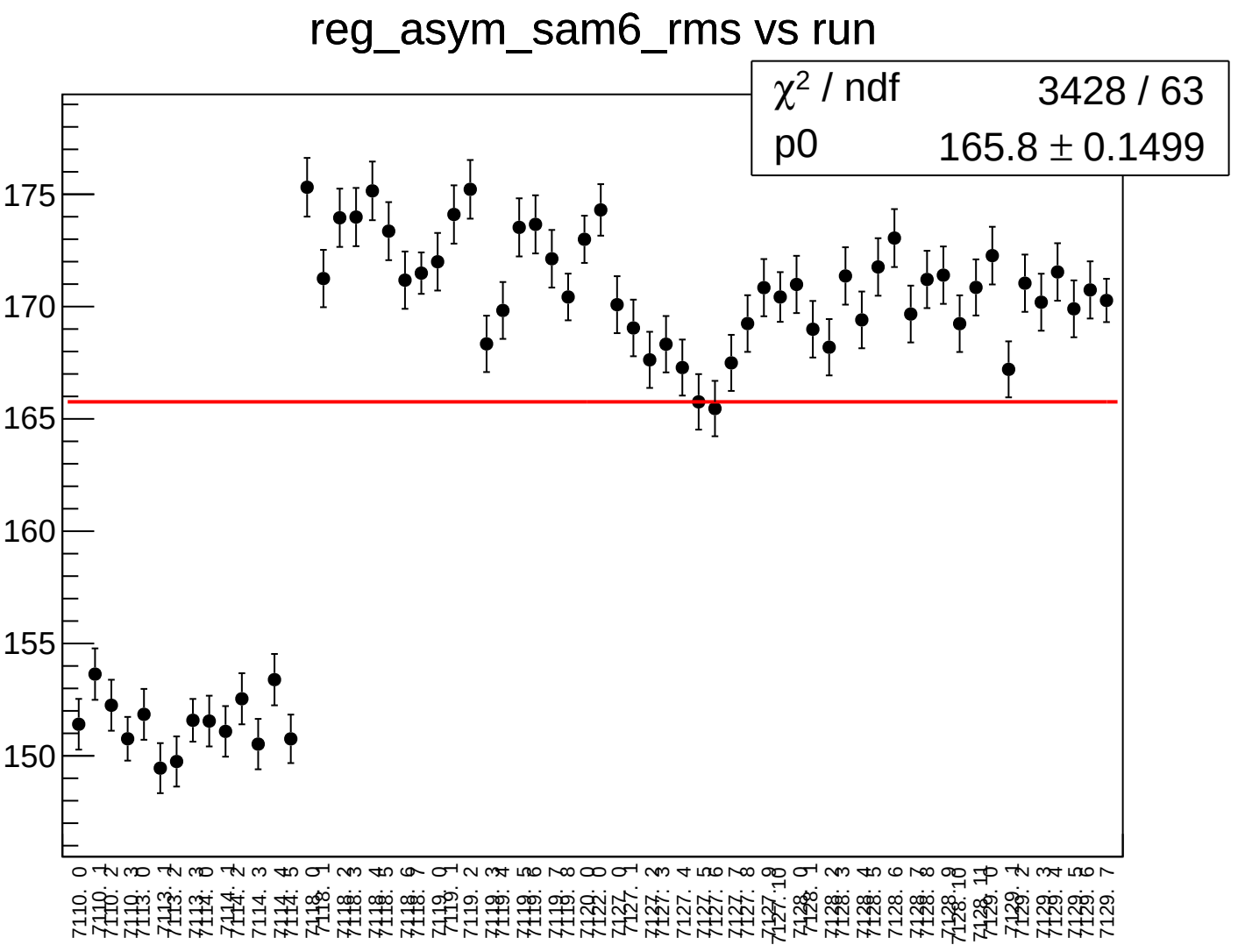

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.28 / 63
p0 −3.752e−15 ± 1.497e−14
pull
Entries 64
Mean 31.41
Std Dev 11.46

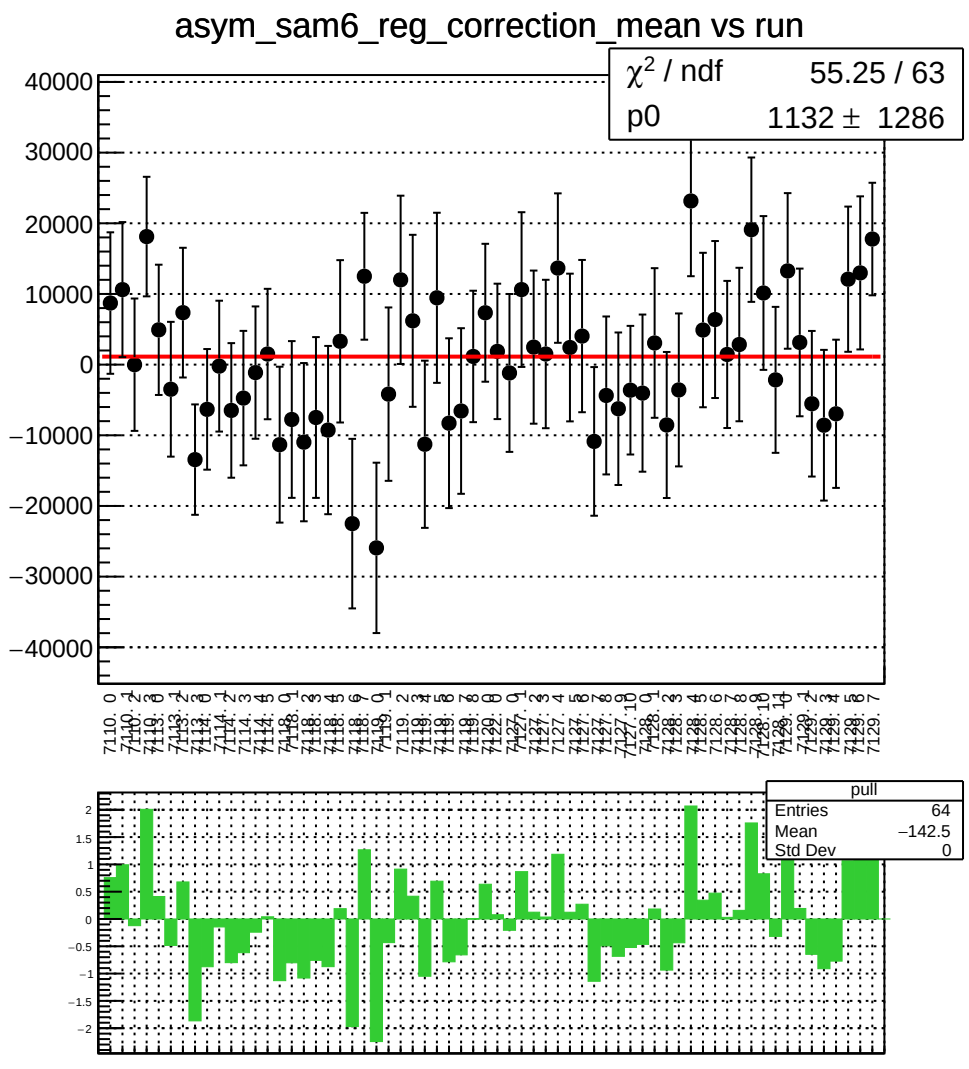

pull1D
Entries 64
Mean −0.07985
Std Dev 0.9912

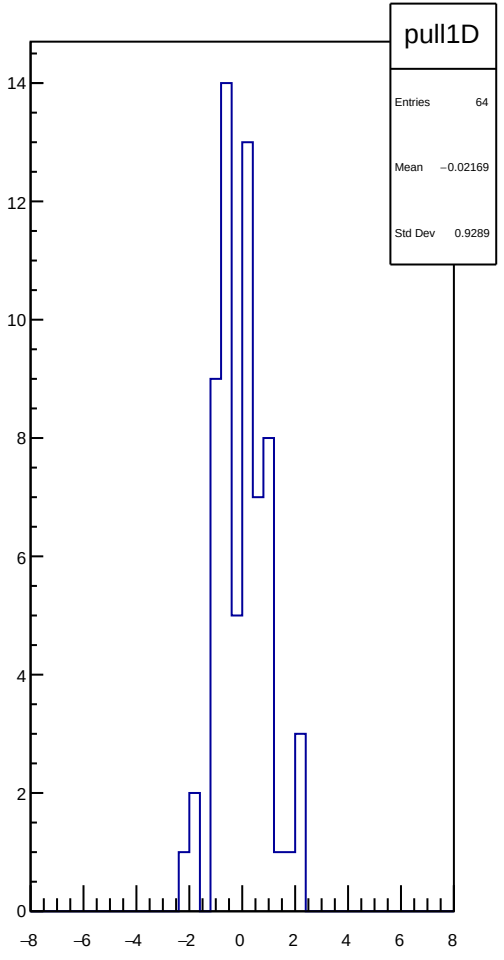

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.723e+05 / 63
p0 9.784e−12 ± 1.059e−14
60
50
40
30
20
10

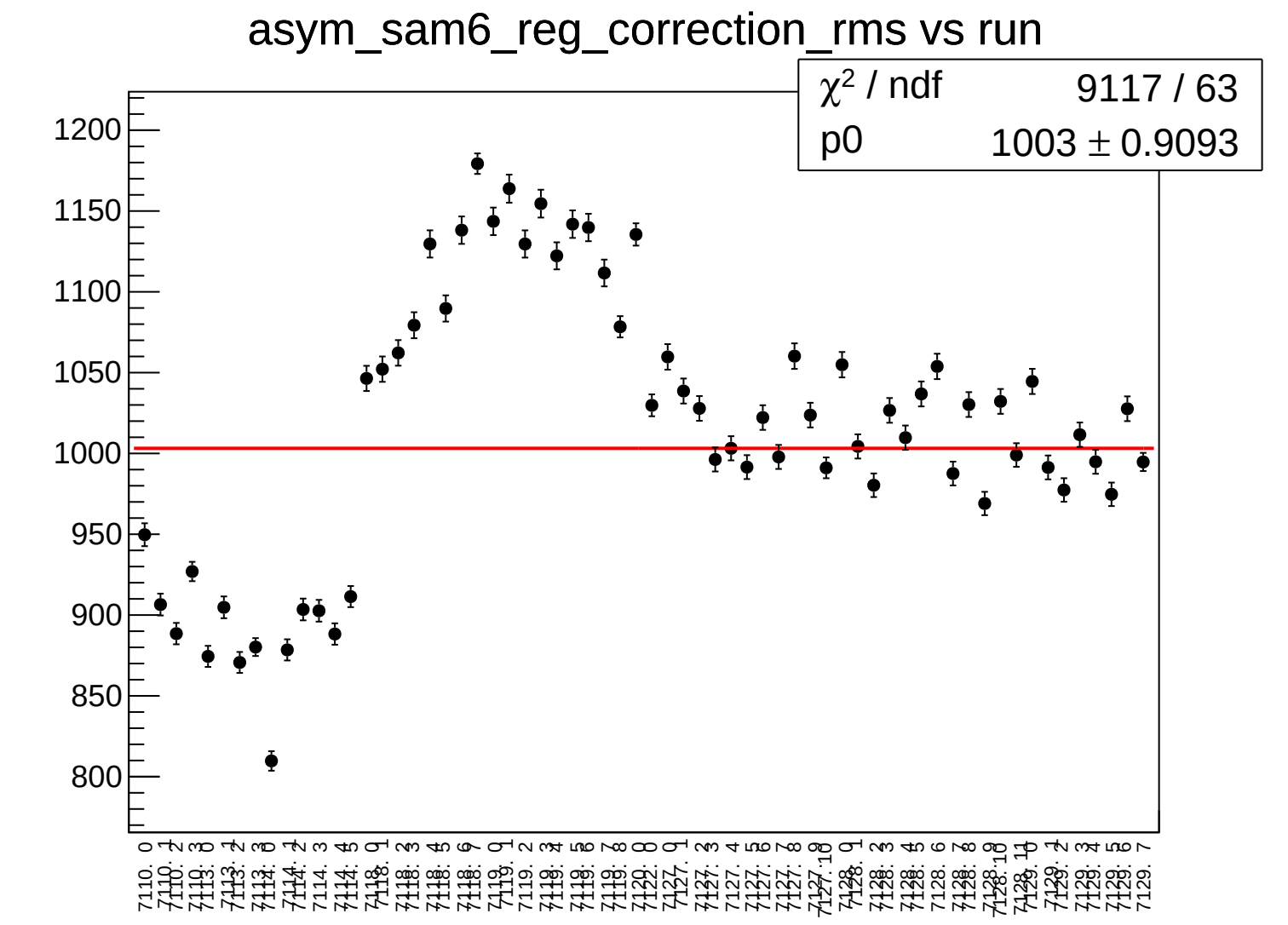

reg_asym_sam6_mean vs run
χ² / ndf 41.08 / 63
p0 282.4 ± 212
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 949.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

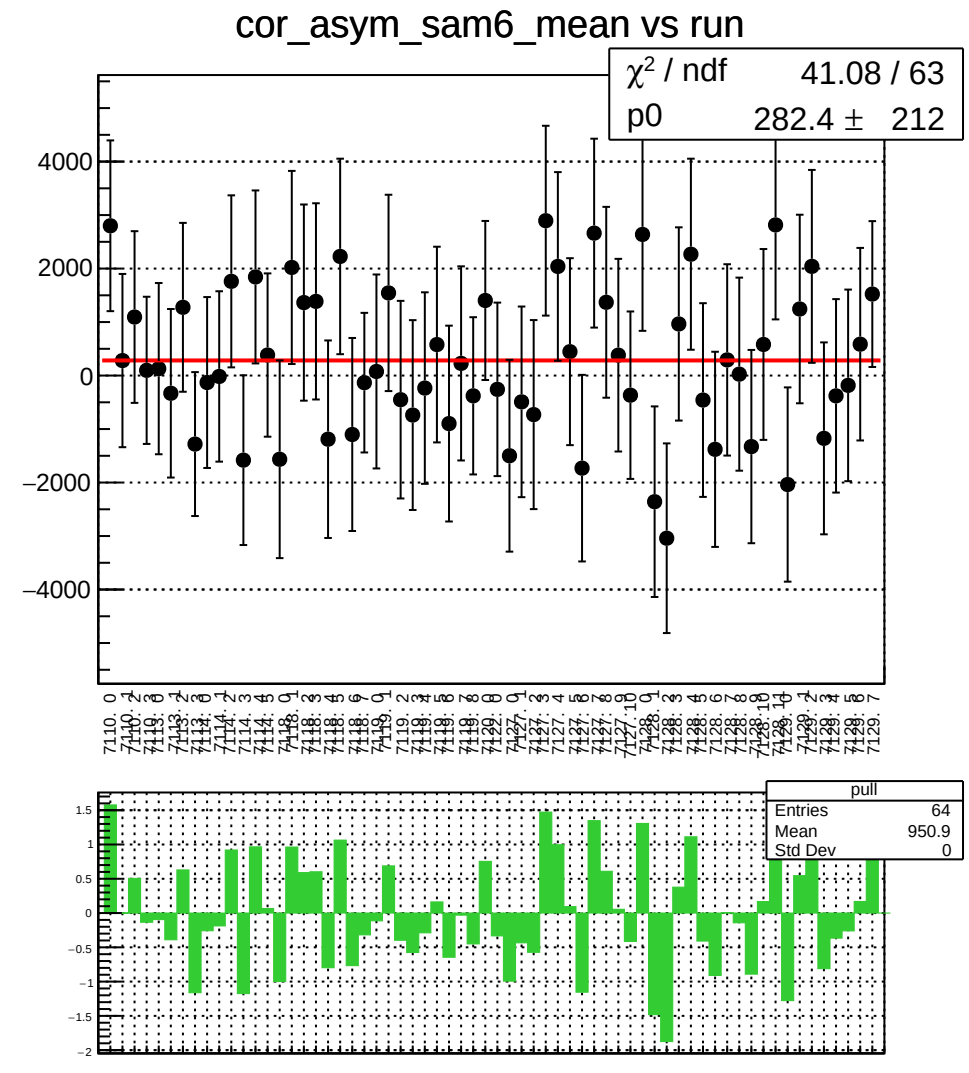

pull1D
Entries 64
Mean −0.0007308
Std Dev 0.8011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

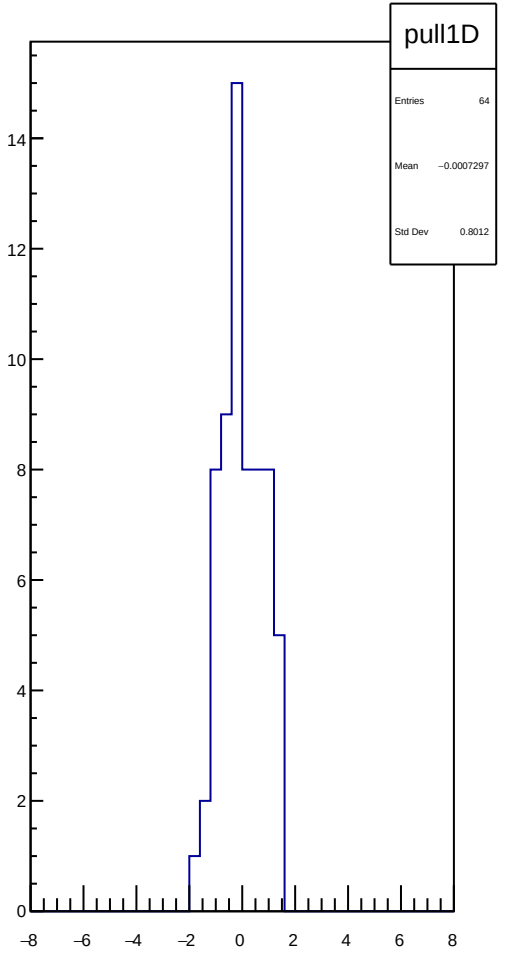

reg_asym_sam6_rms vs run
χ^2 / ndf 3428 / 63
p0 165.8 ± 0.1499
175
170
165
160
155
150

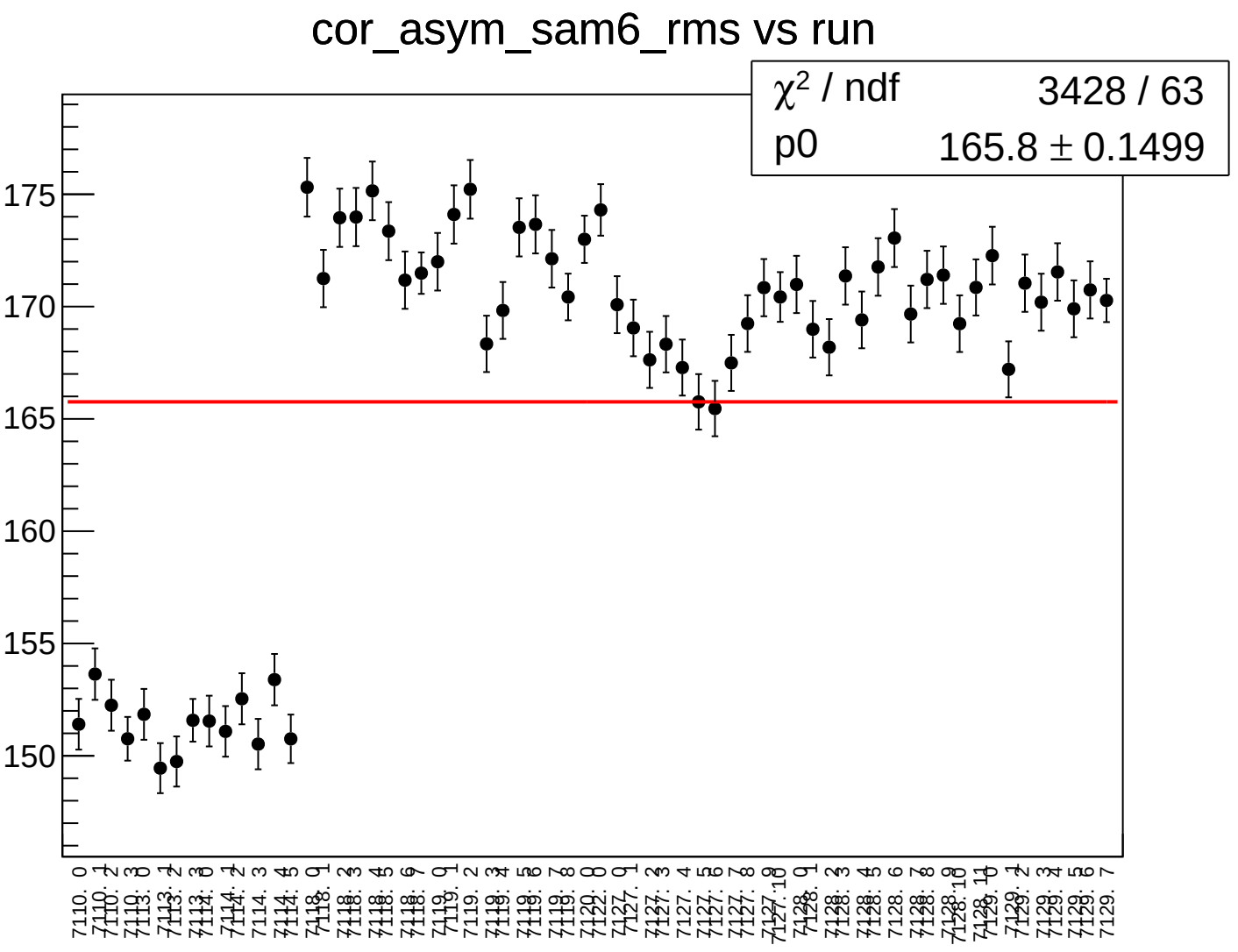

asym_sam6_reg_correction_mean vs run
χ² / ndf 55.25 / 63
p0 1132 ± 1286
pull
Entries 64
Mean −142.5
Std Dev 0

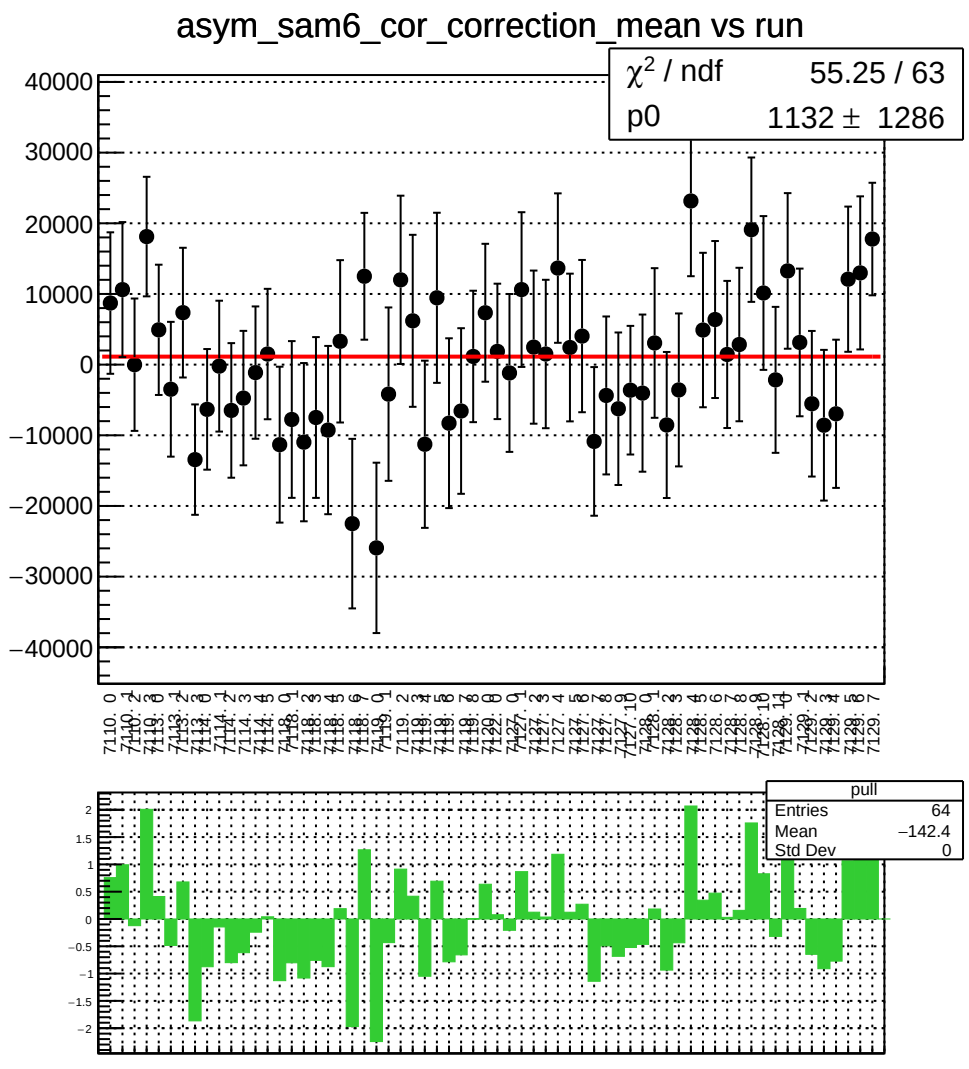

pull1D
Entries 64
Mean −0.02169
Std Dev 0.9289

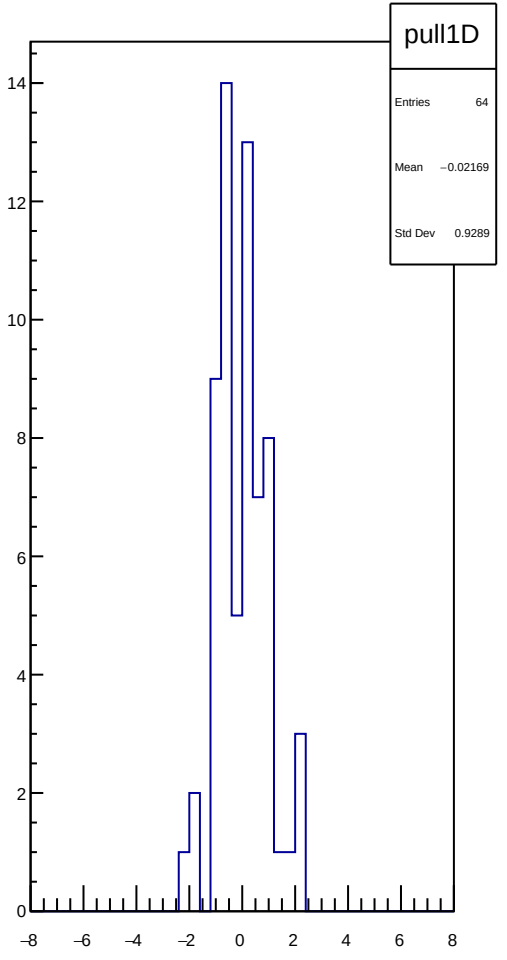

asym_sam6_reg_correction_rms vs run
χ² / ndf 9117 / 63
p0 1003 ± 0.9093
1200
1150
1100
1050
1000
950
900
850
800

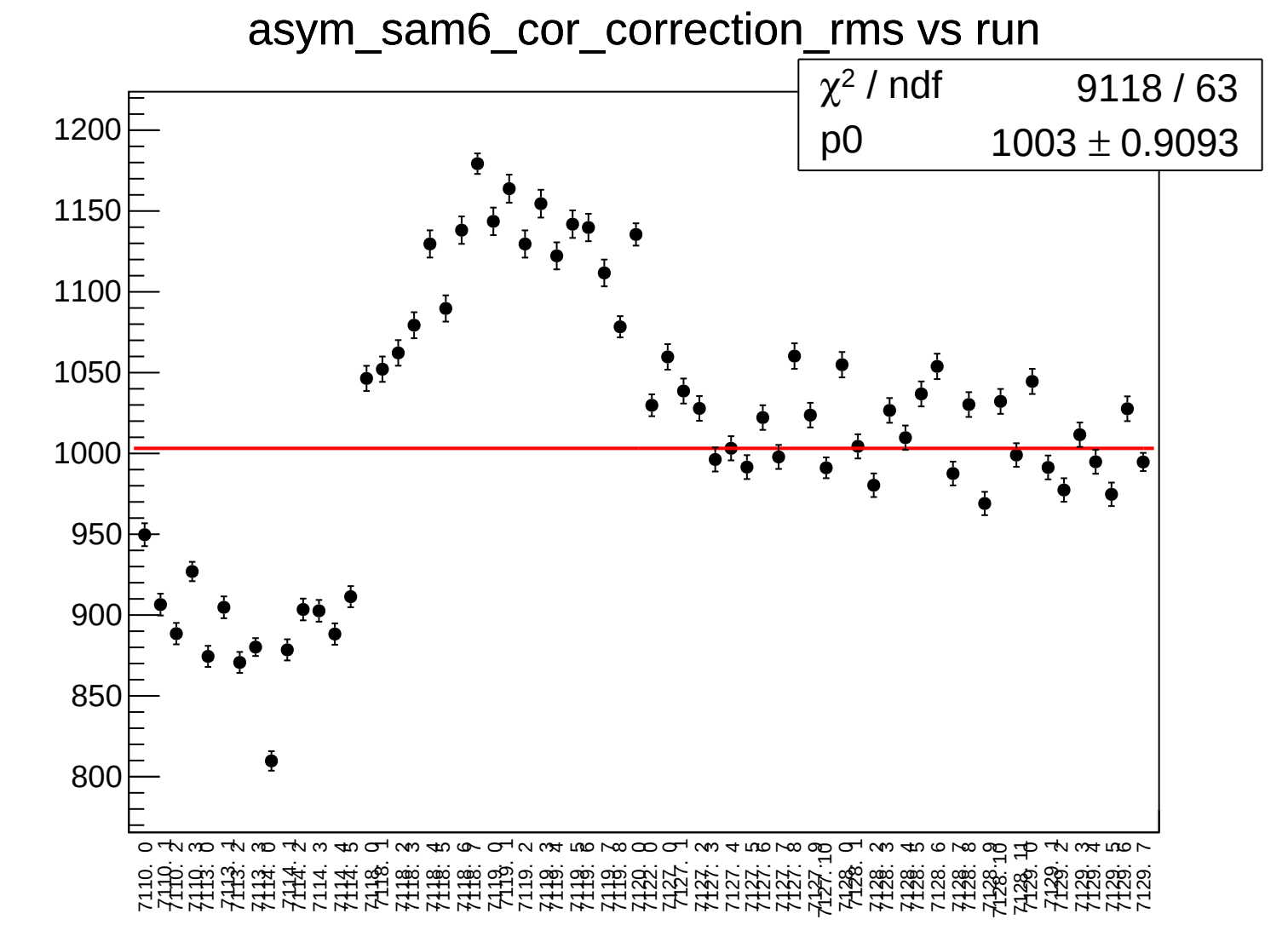

cor_asym_sam6_mean vs run
χ² / ndf 41.08 / 63
p0 282.4 ± 212
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 950.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

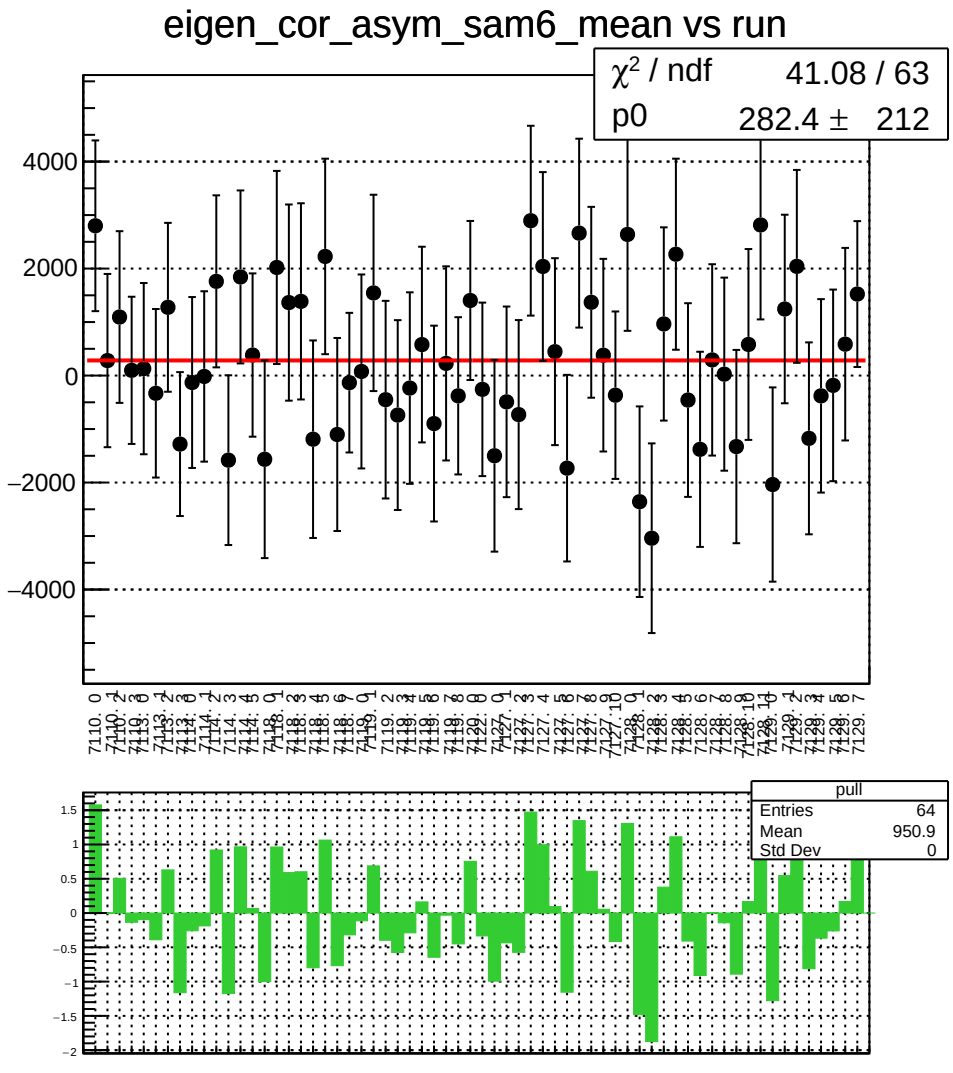

pull1D
Entries 64
Mean −0.0007297
Std Dev 0.8012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

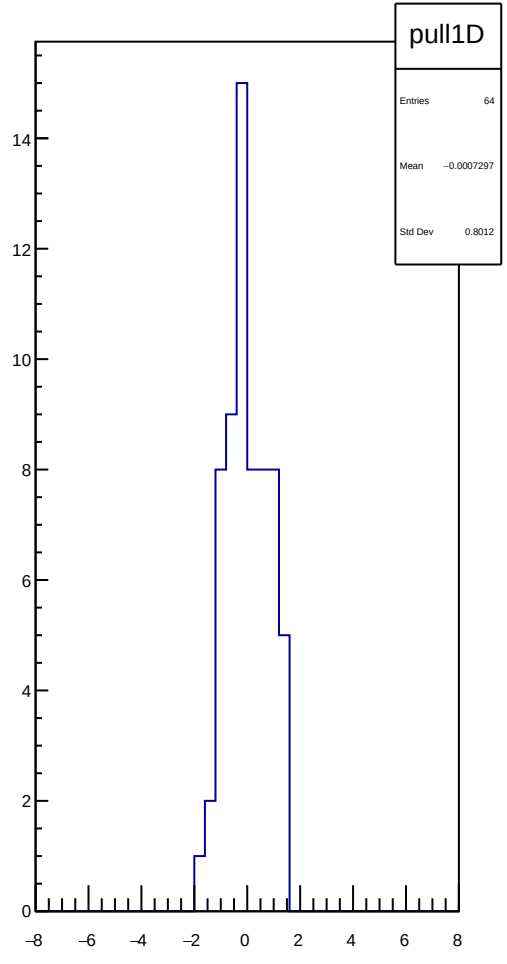

cor_asym_sam6_rms vs run
χ^2 / ndf 3428 / 63
p0 165.8 ± 0.1499
175
170
165
160
155
150

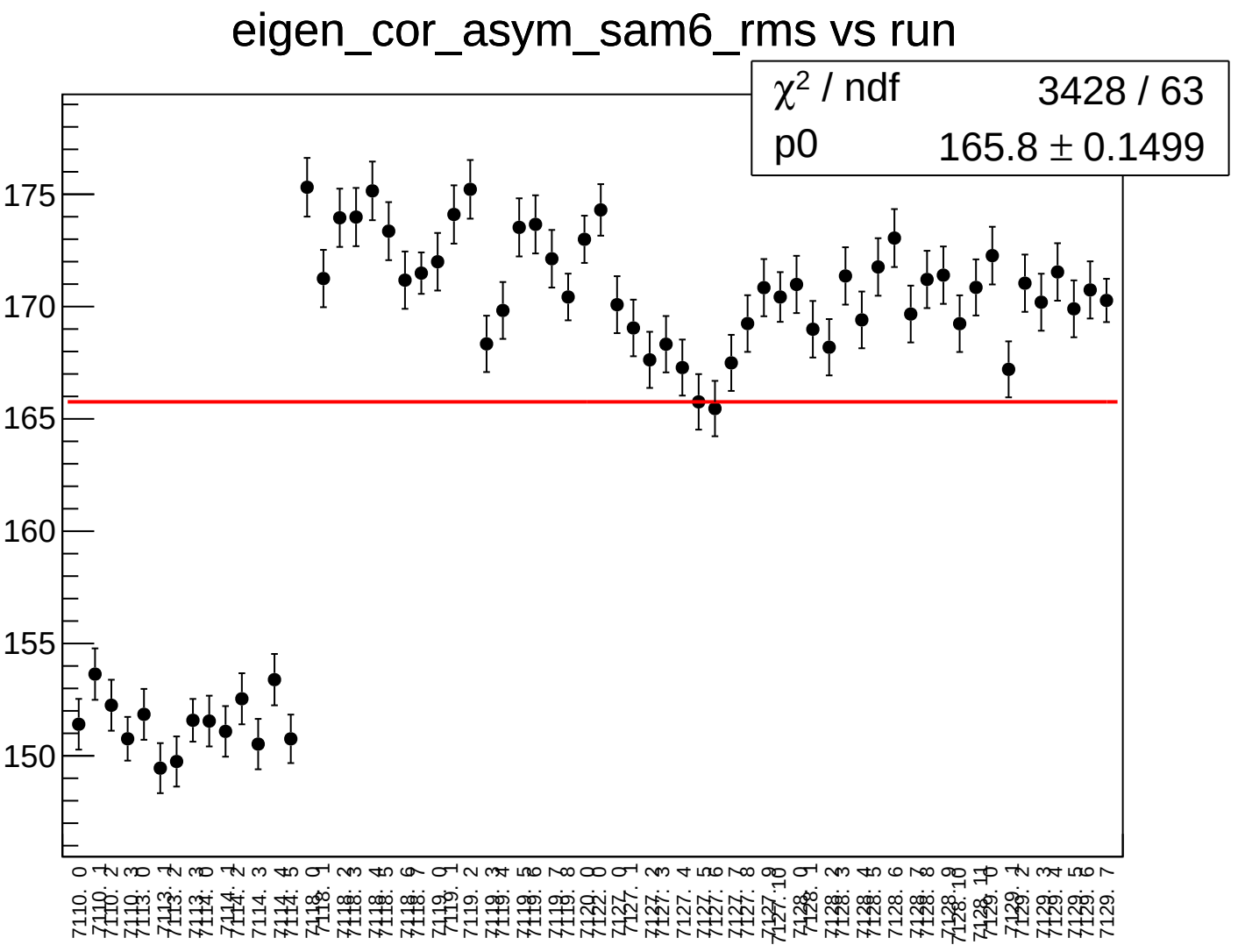

asym_sam6_cor_correction_mean vs run
χ² / ndf 55.25 / 63
p0 1132 ± 1286
pull
Entries 64
Mean −142.4
Std Dev 0

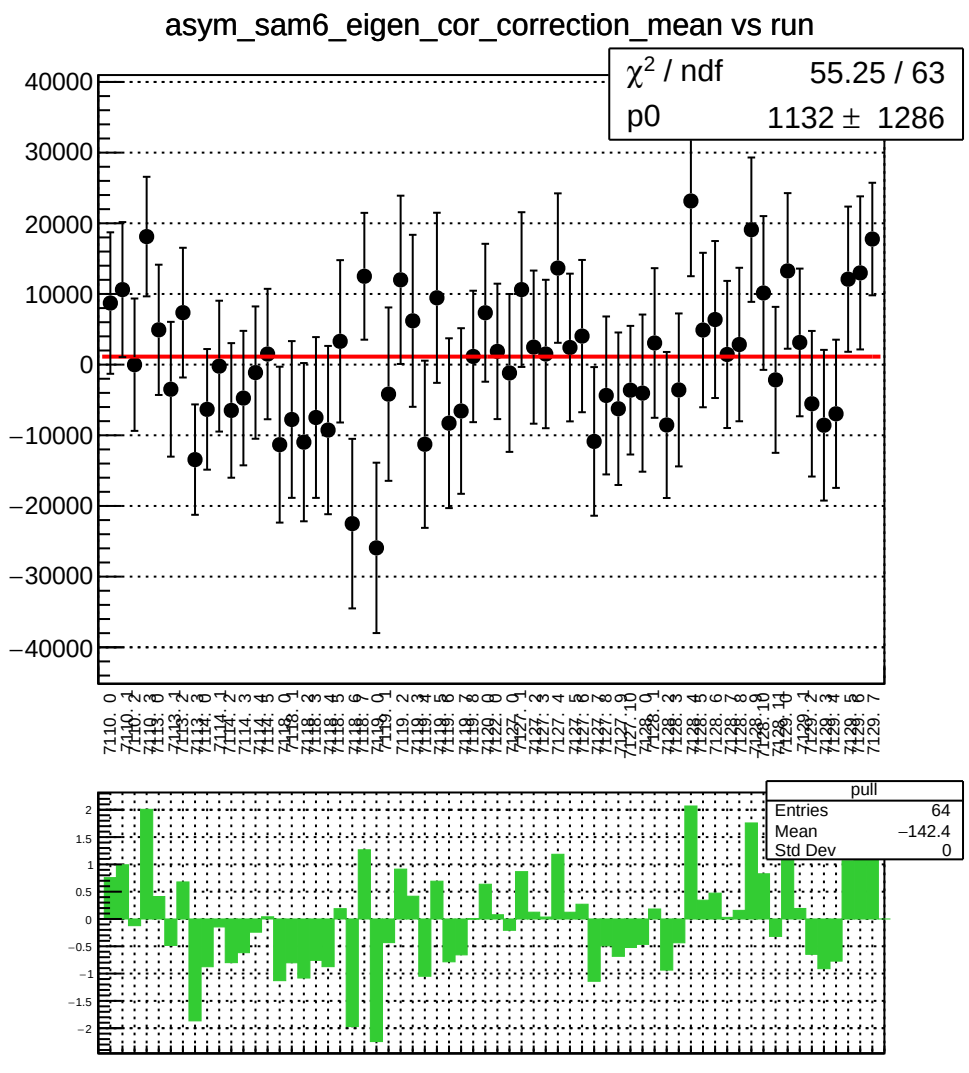

pull1D
Entries 64
Mean −0.02169
Std Dev 0.9289

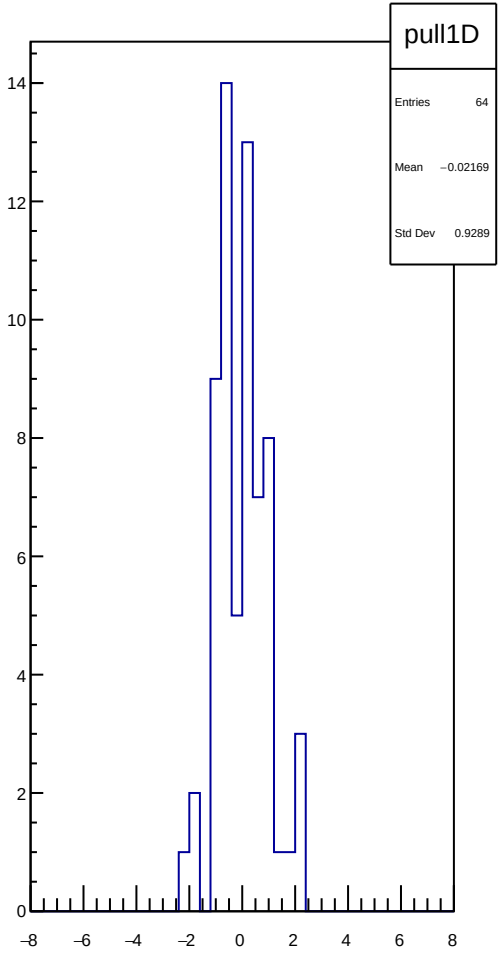

asym_sam6_cor_correction_rms vs run
χ² / ndf 9118 / 63
p0 1003 ± 0.9093
1200
1150
1100
1050
1000
950
900
850
800

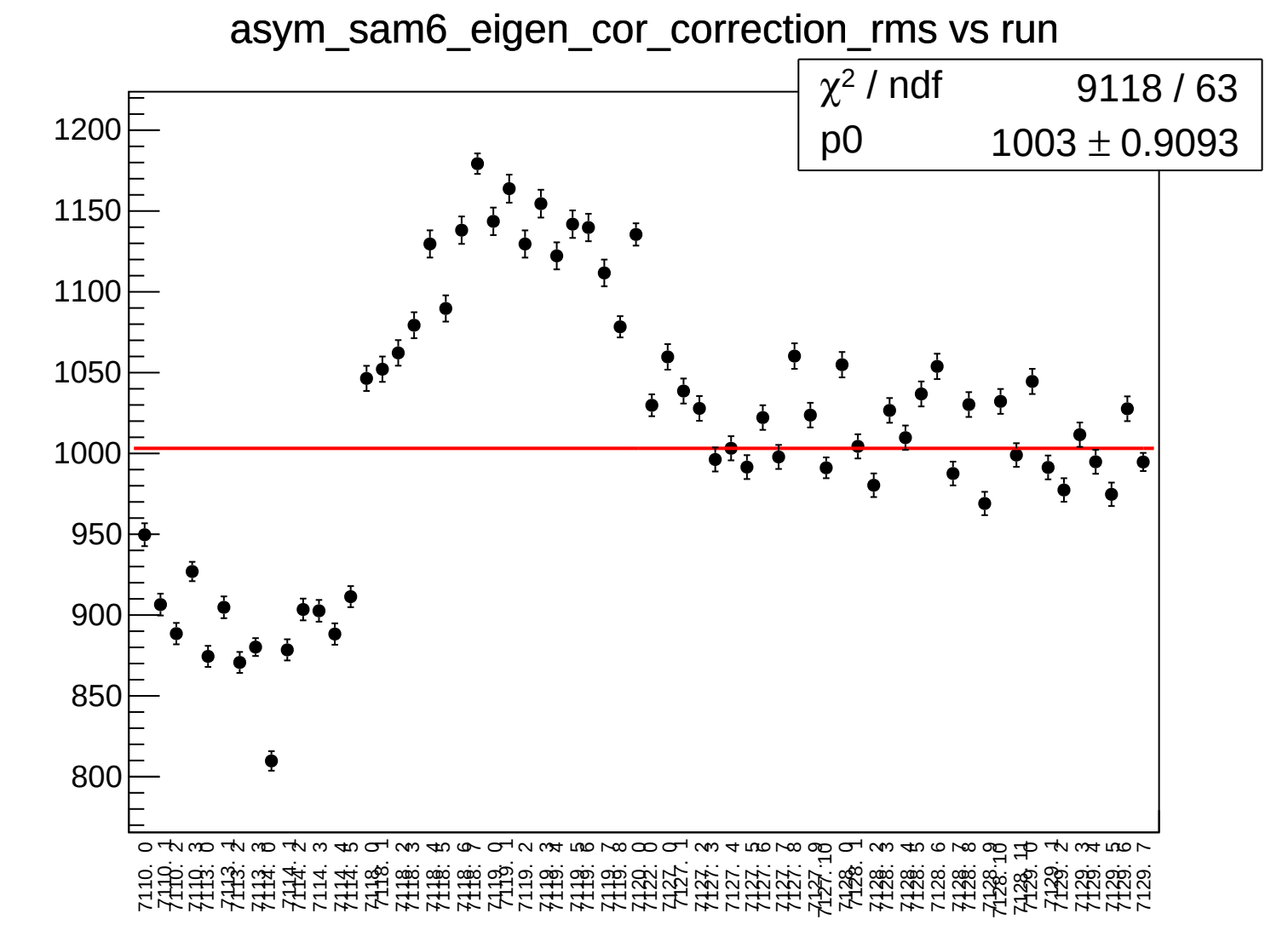

eigen_cor_asym_sam6_mean vs run
χ² / ndf 41.08 / 63
p0 282.4 ± 212
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 950.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

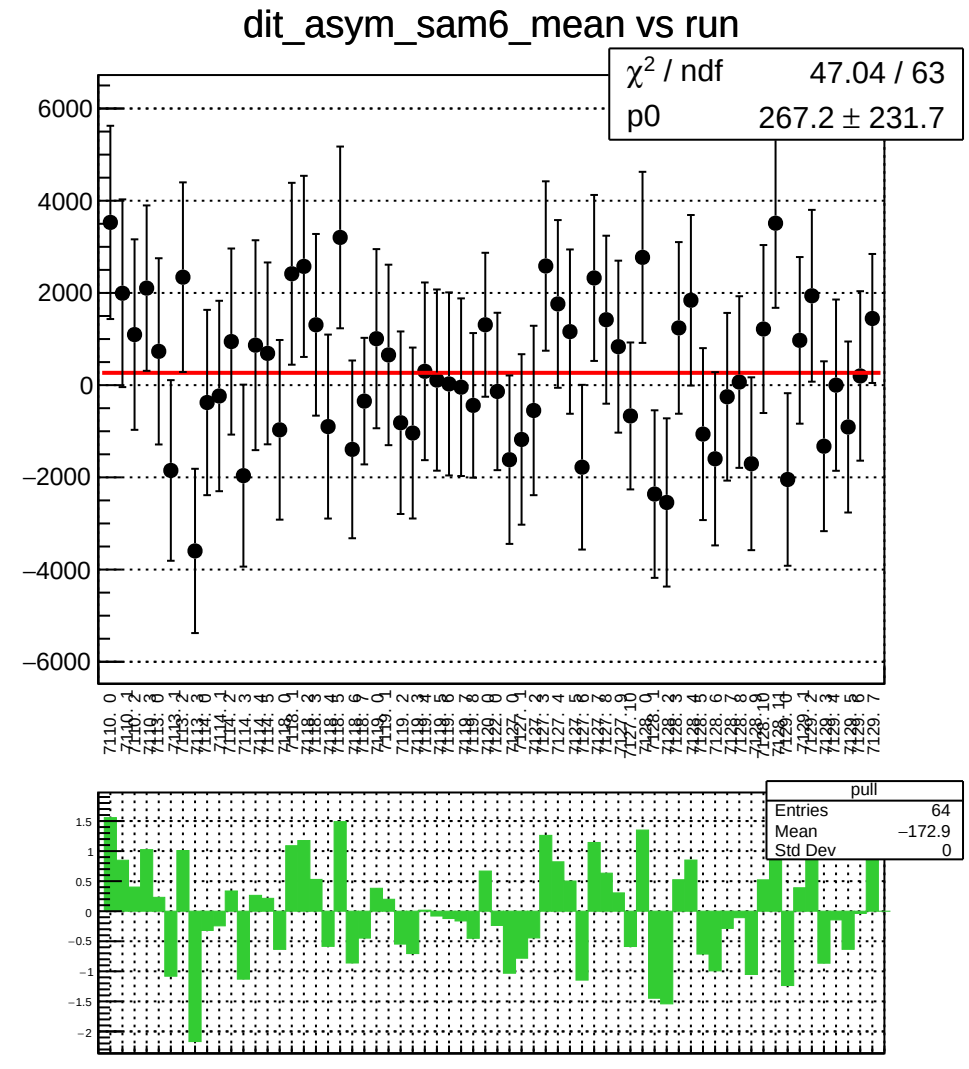

pull1D
Entries 64
Mean −0.0007297
Std Dev 0.8012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

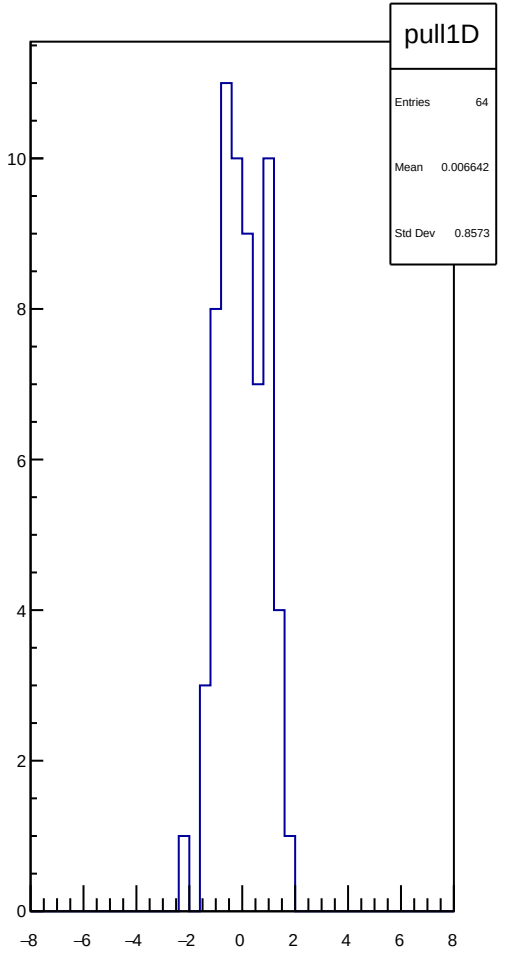

eigen_cor_asym_sam6_rms vs run
χ² / ndf 3428 / 63
p0 165.8 ± 0.1499
175
170
165
160
155
150

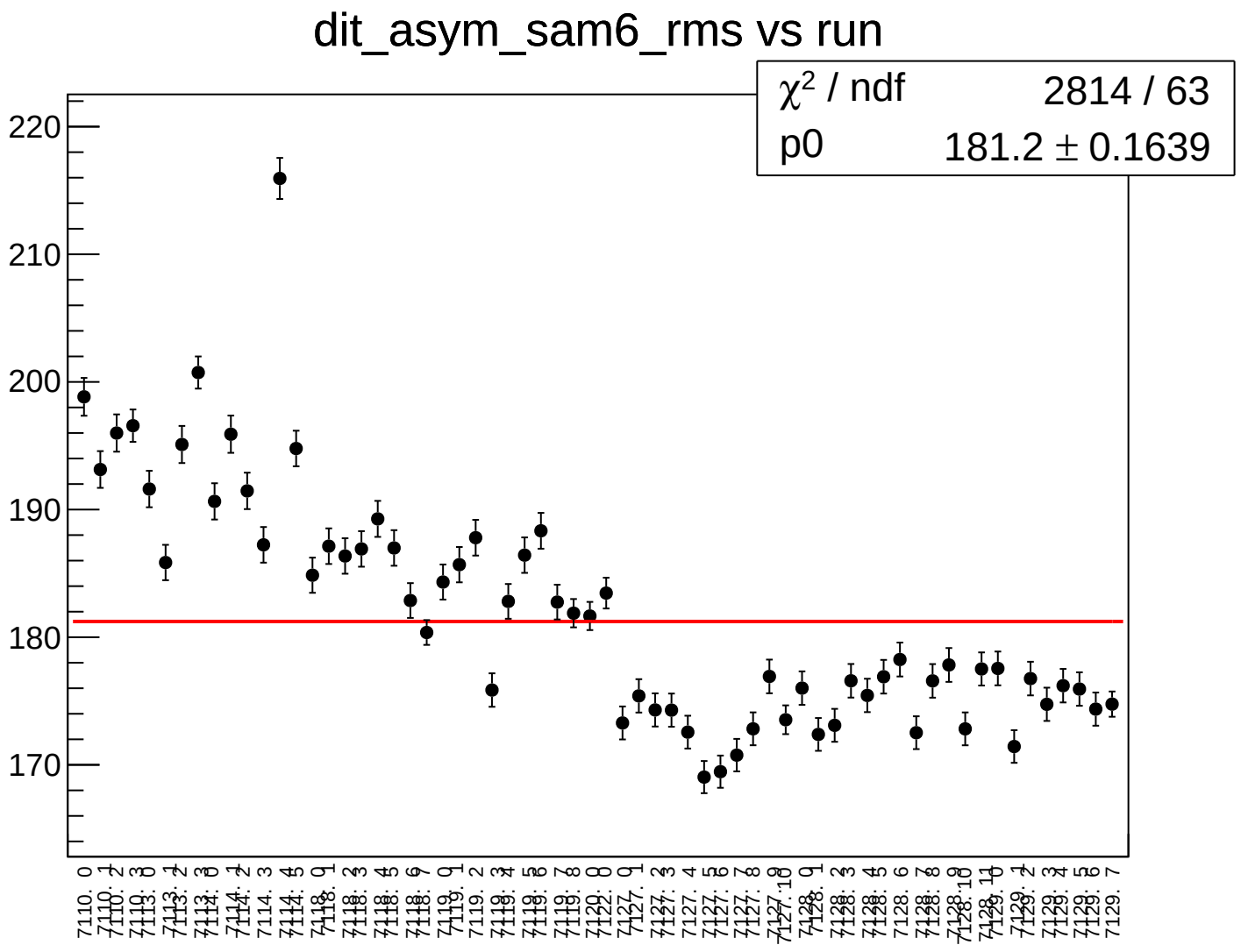

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 55.25 / 63
p0 1132 ± 1286
pull
Entries 64
Mean −142.4
Std Dev 0

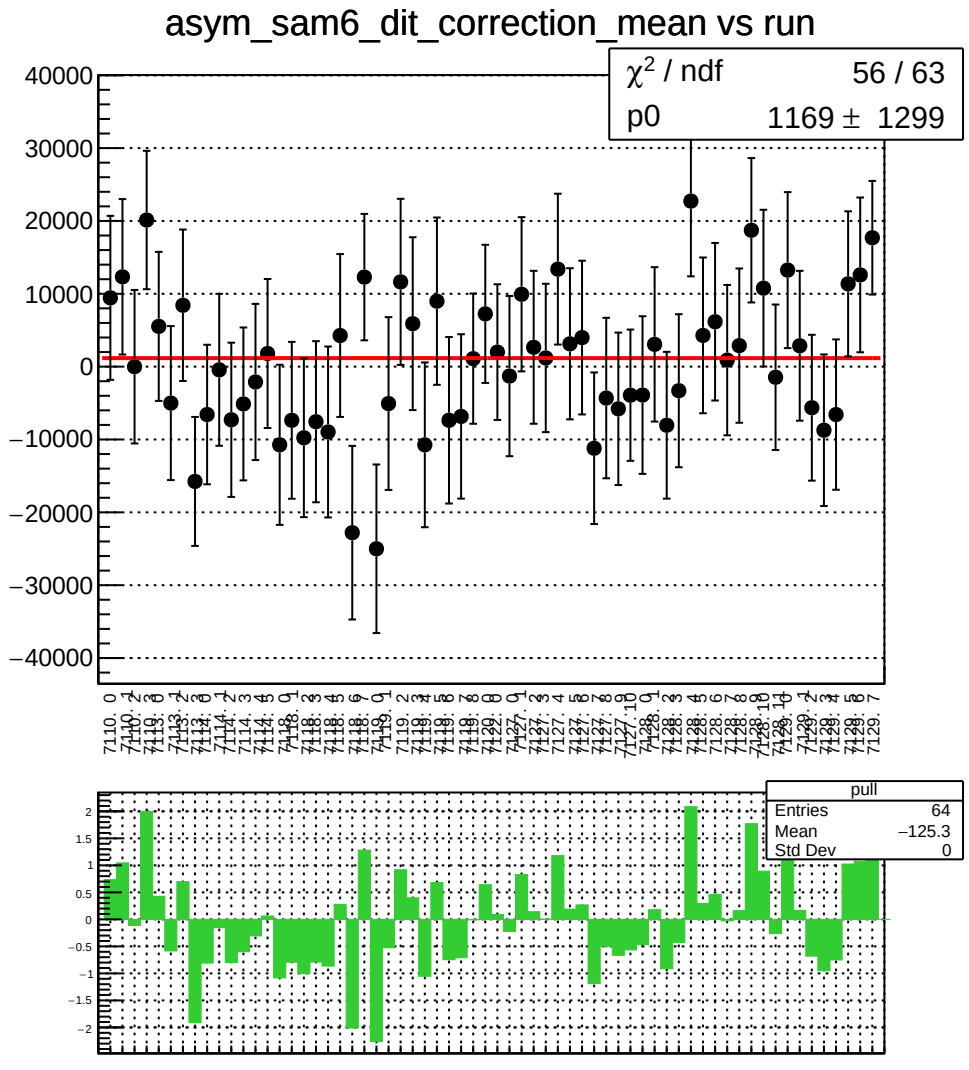

pull1D
Entries 64
Mean −0.02169
Std Dev 0.9289

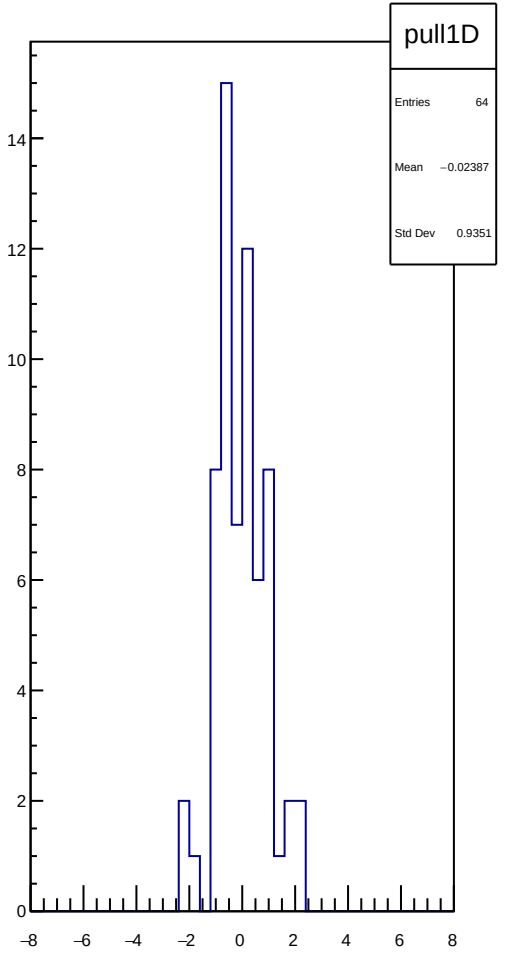

asym_sam6_eigen_cor_correction_rms vs run
χ^2 / ndf 9118 / 63
p0 1003 ± 0.9093
1200
1150
1100
1050
1000
950
900
850
800
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7119. 9
7122. 0
7122. 1
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

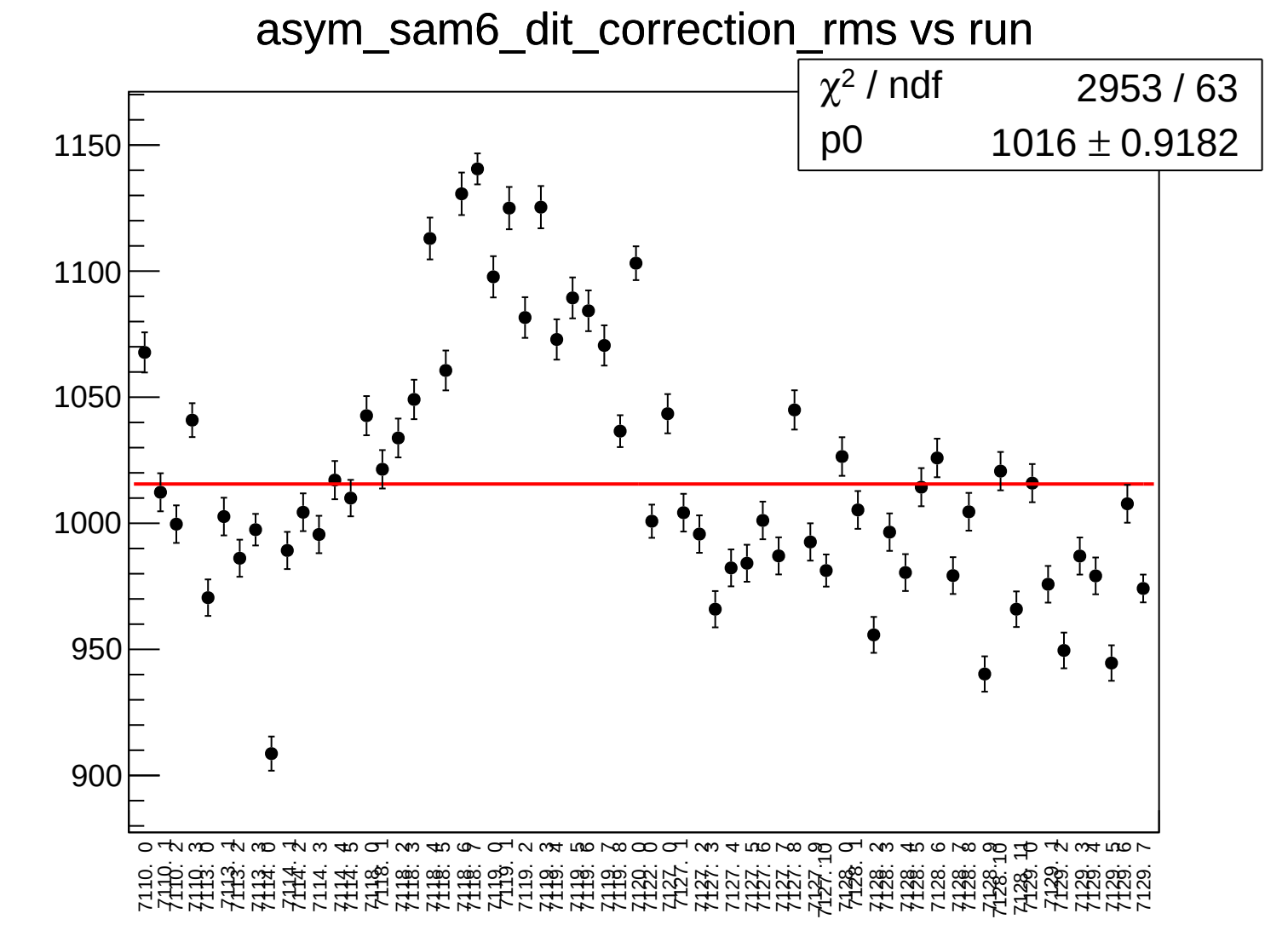

dit_asym_sam6_mean vs run
χ^2 / ndf 47.04 / 63
p0 267.2 ± 231.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean −172.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

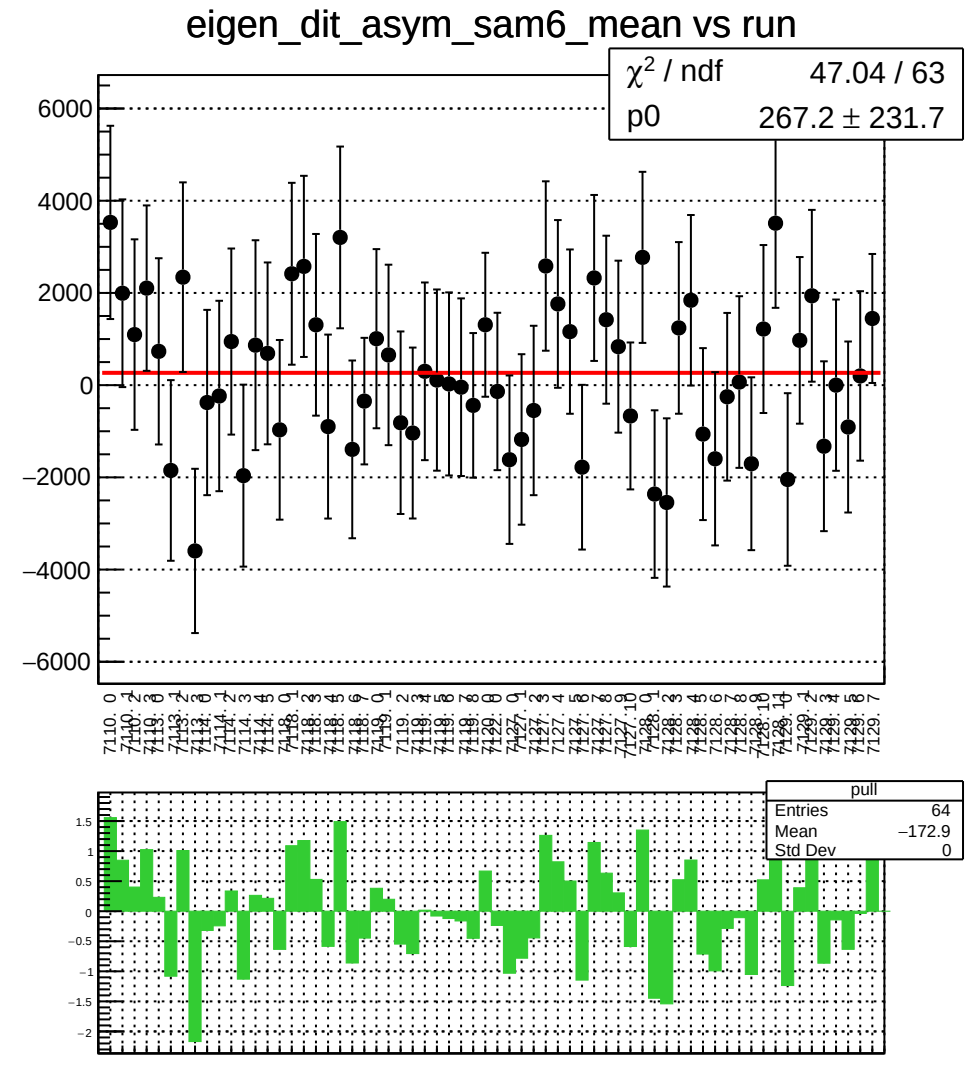

pull1D
Entries 64
Mean 0.006642
Std Dev 0.8573
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

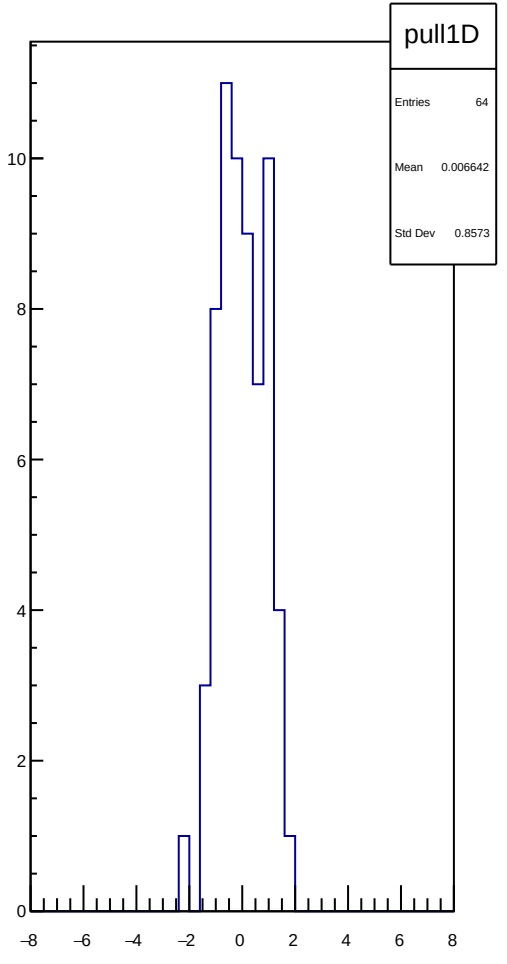

dit_asym_sam6_rms vs run
χ² / ndf 2814 / 63
p0 181.2 ± 0.1639
220
210
200
190
180
170

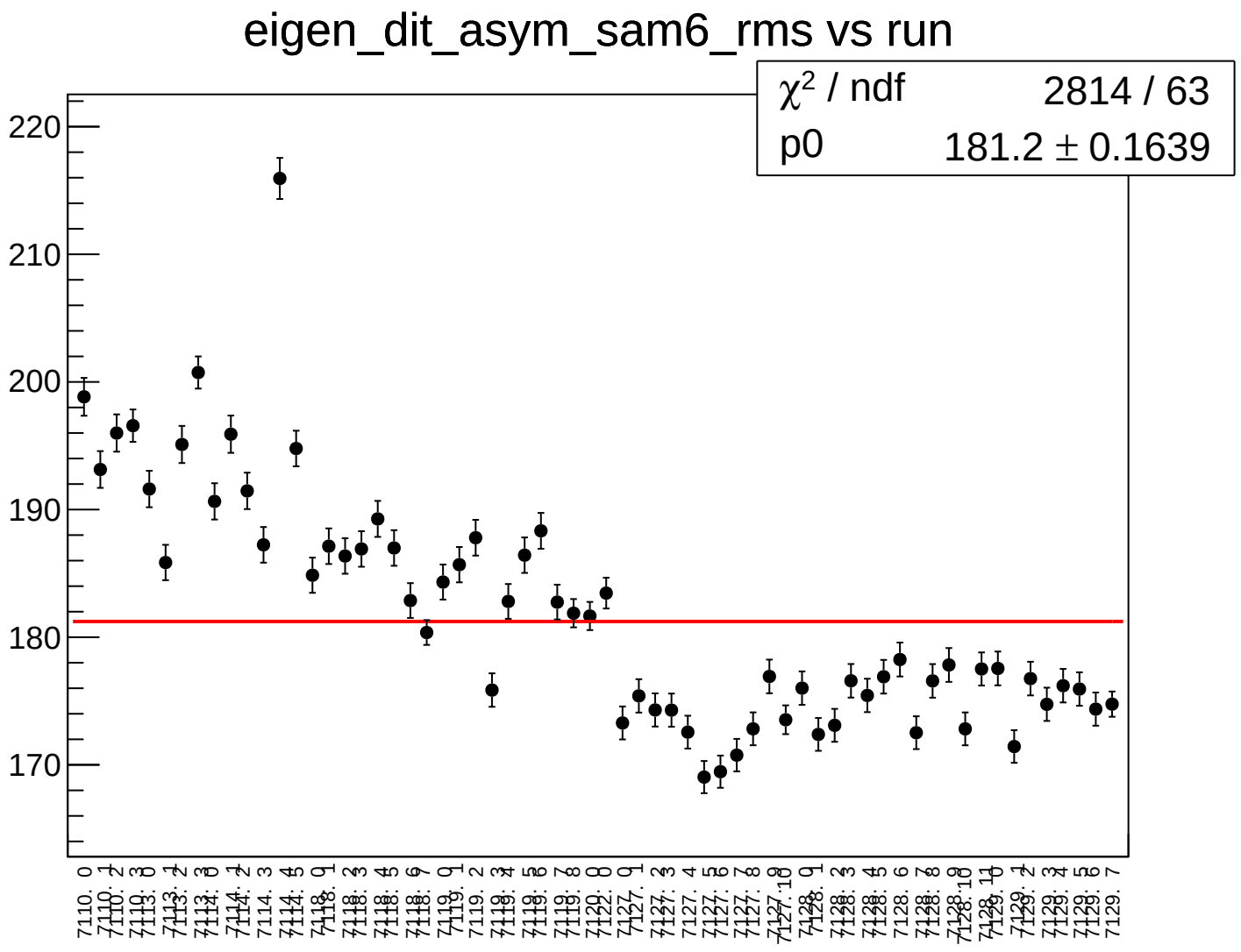

asym_sam6_dit_correction_mean vs run
χ² / ndf 56 / 63
p0 1169 ± 1299
pull
Entries 64
Mean −125.3
Std Dev 0

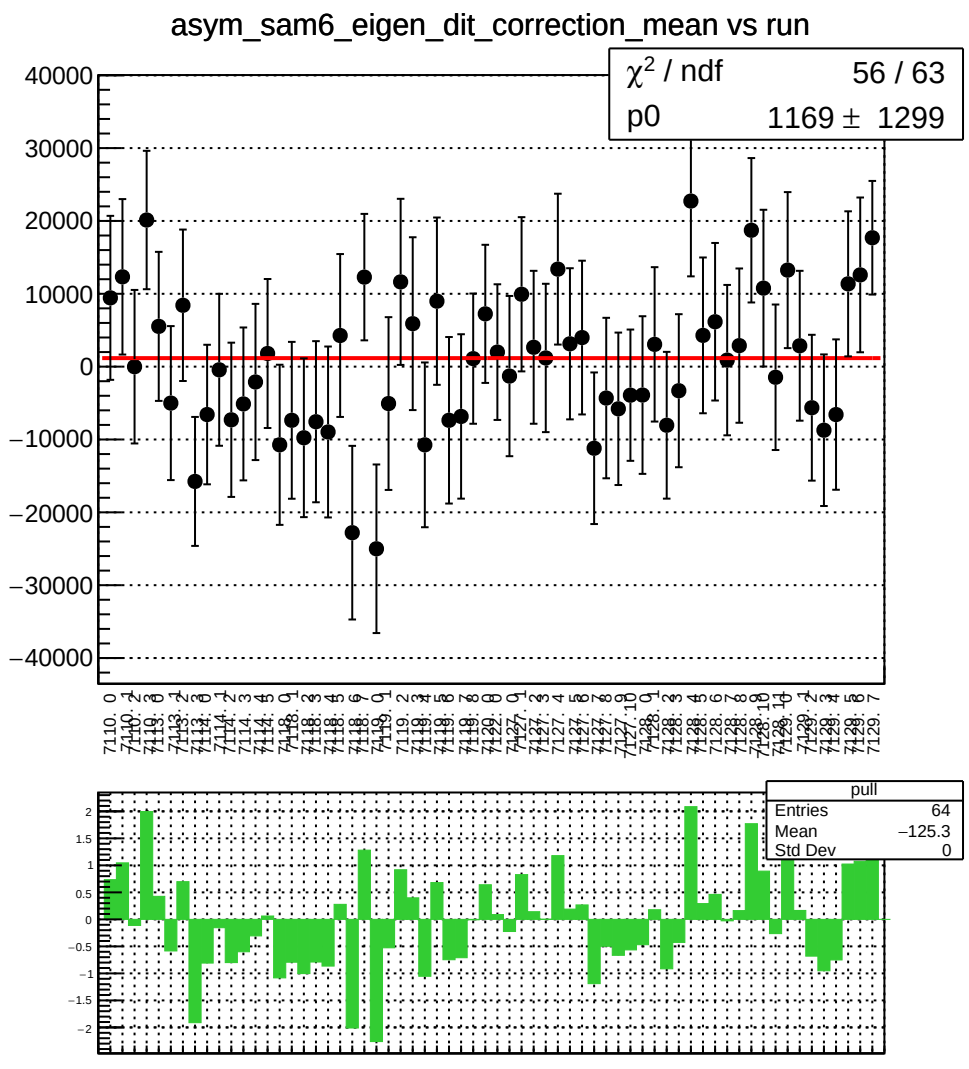

pull1D
Entries 64
Mean −0.02387
Std Dev 0.9351

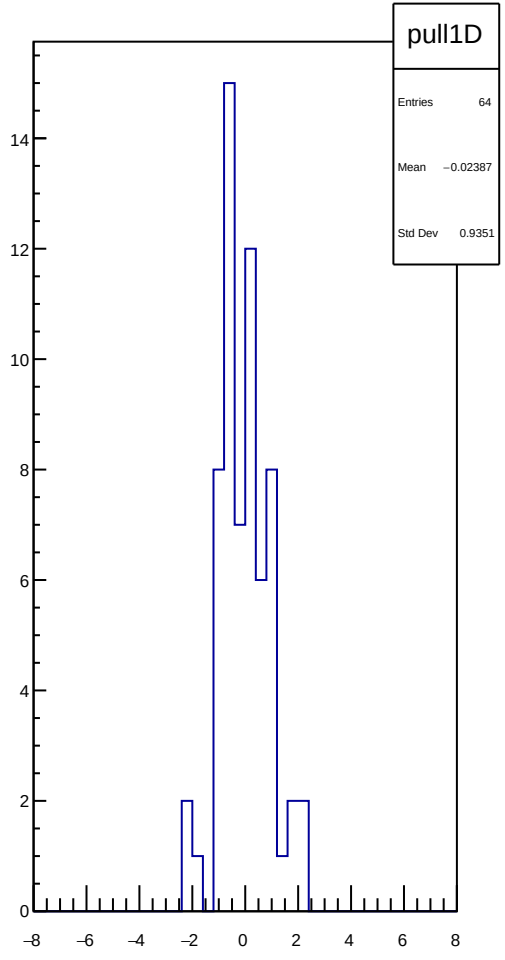

asym_sam6_dit_correction_rms vs run
χ² / ndf 2953 / 63
p0 1016 ± 0.9182
1150
1100
1050
1000
950
900

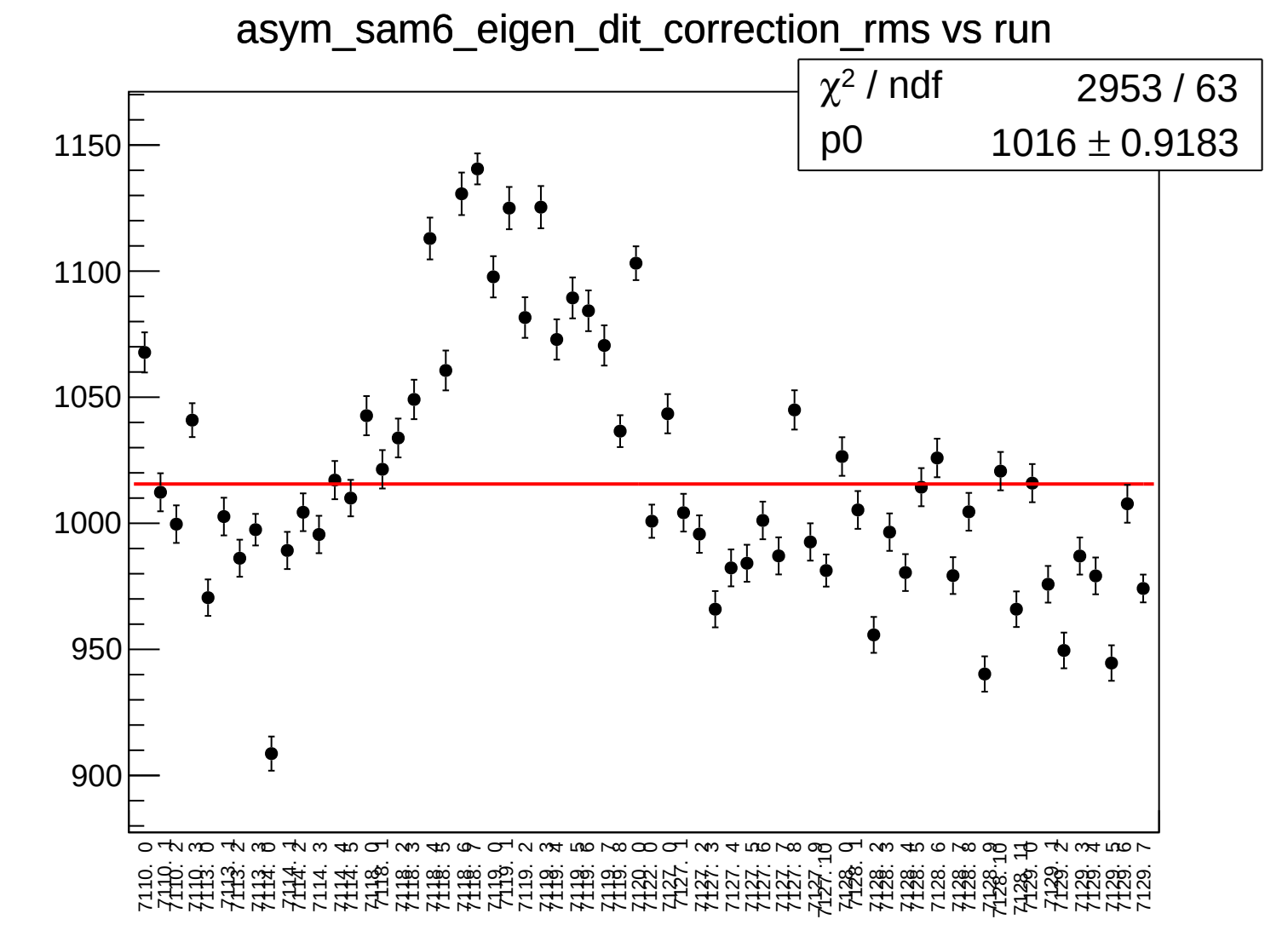

eigen_dit_asym_sam6_mean vs run
χ^2 / ndf 47.04 / 63
p0 267.2 ± 231.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean −172.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

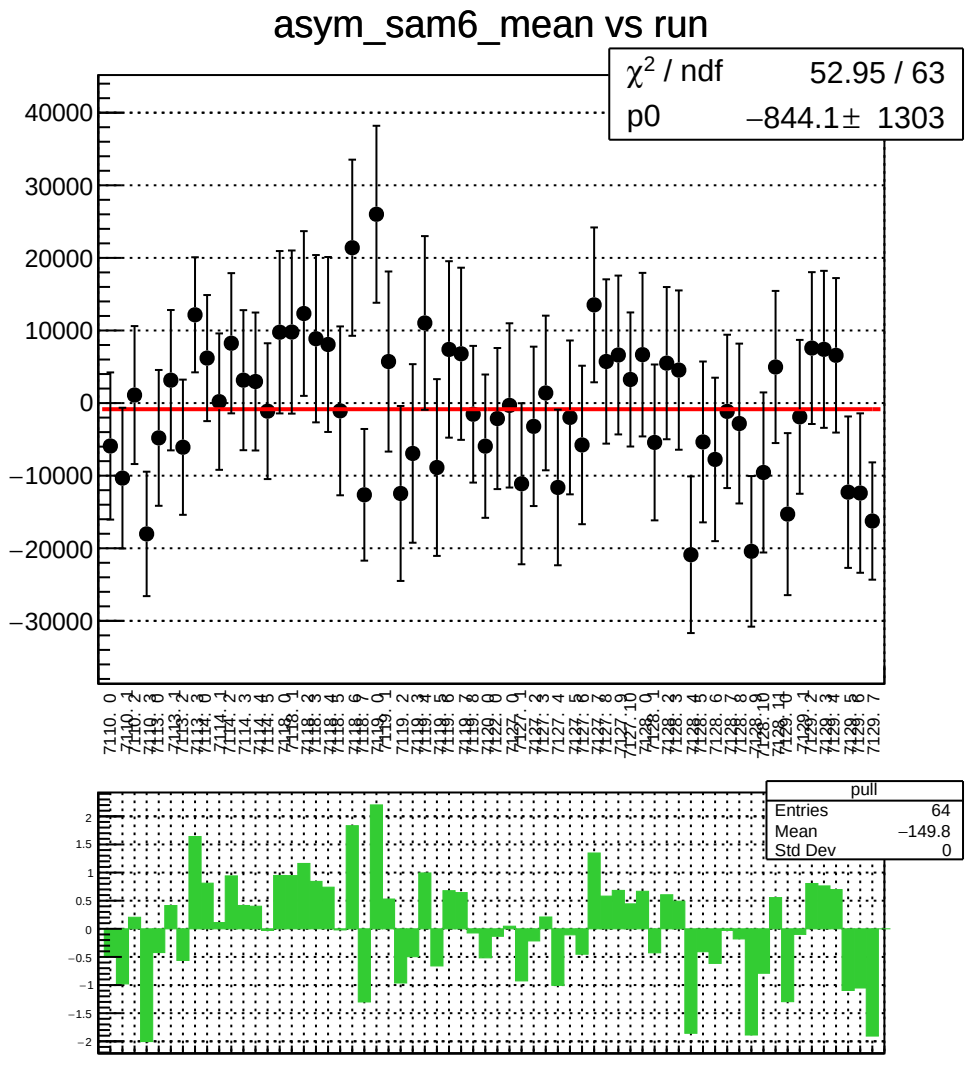

pull1D
Entries 64
Mean 0.006642
Std Dev 0.8573
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

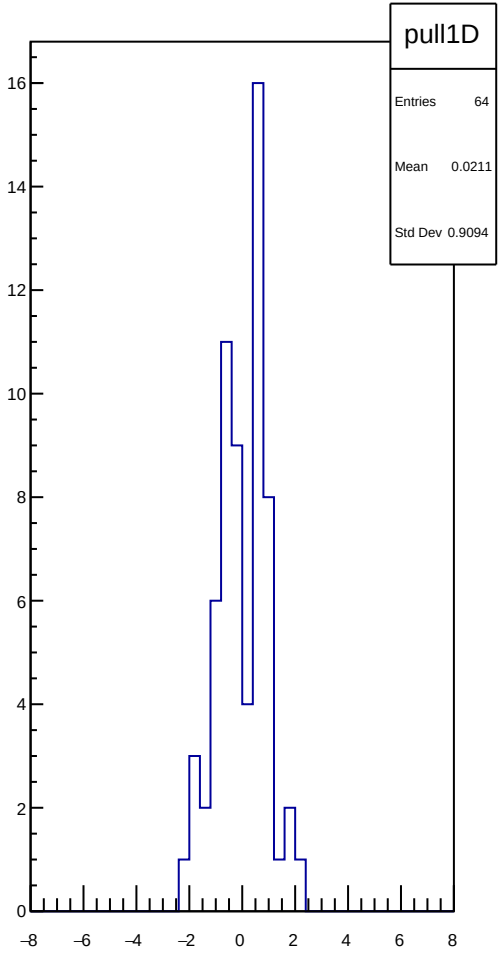

eigen_dit_asym_sam6_rms vs run
χ² / ndf 2814 / 63
p0 181.2 ± 0.1639
220
210
200
190
180
170

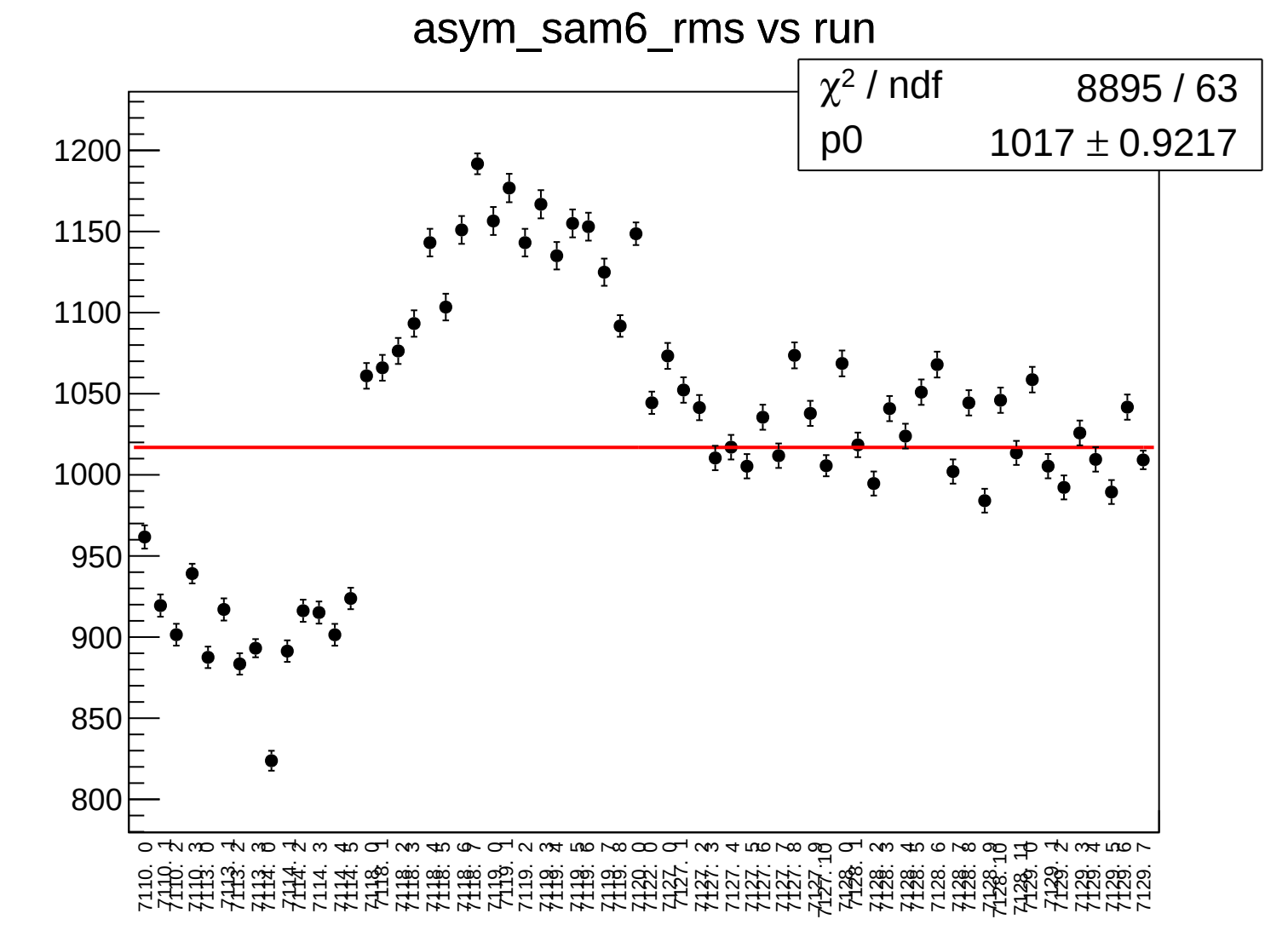

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 56 / 63
p0 1169 ± 1299
pull
Entries 64
Mean −125.3
Std Dev 0

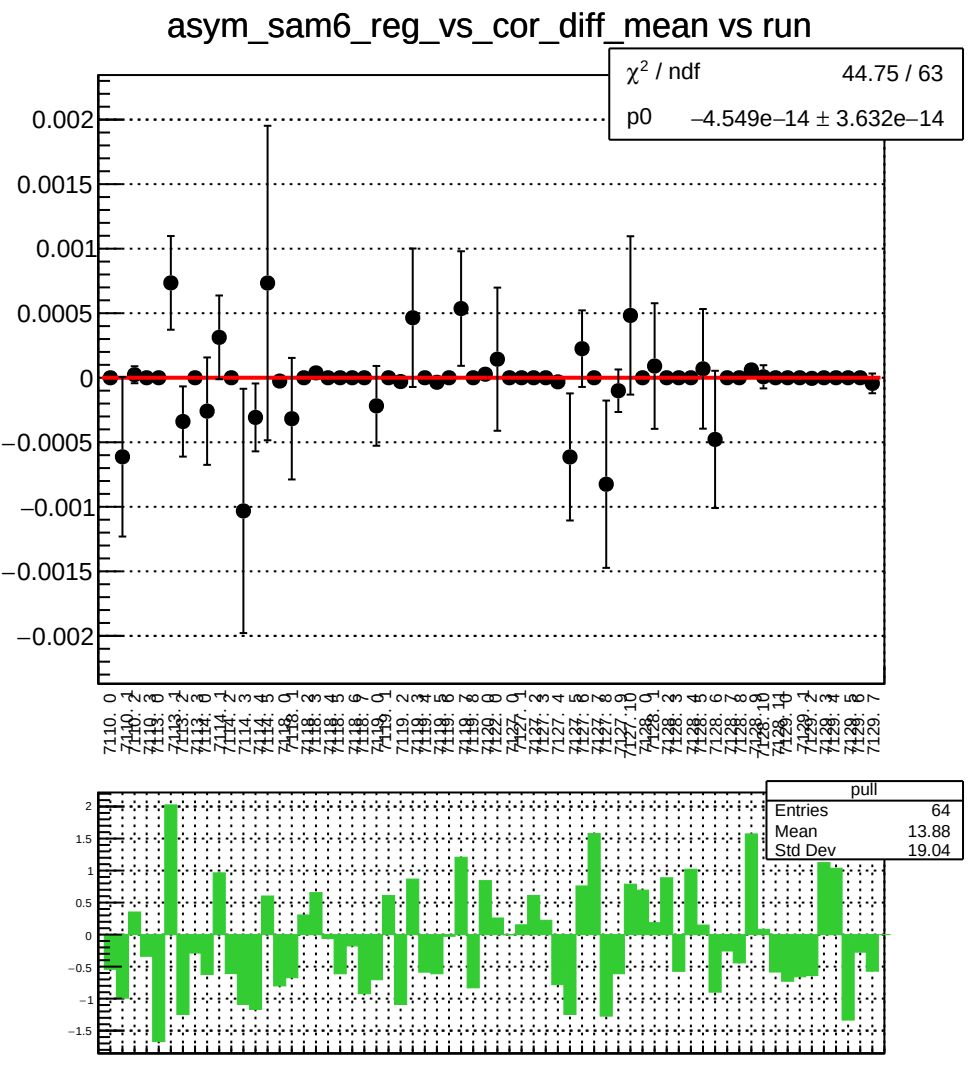

pull1D
Entries 64
Mean −0.02387
Std Dev 0.9351

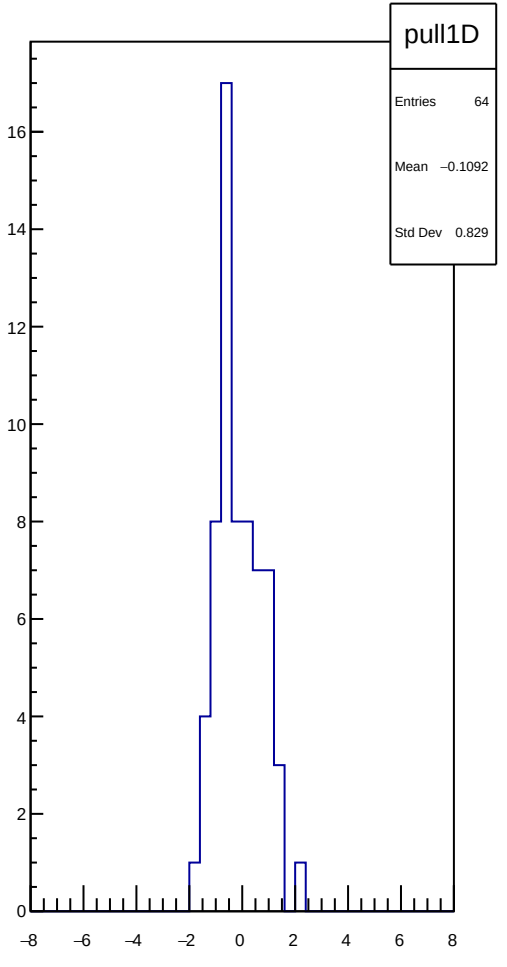

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 2953 / 63
p0 1016 ± 0.9183
1150
1100
1050
1000
950
900

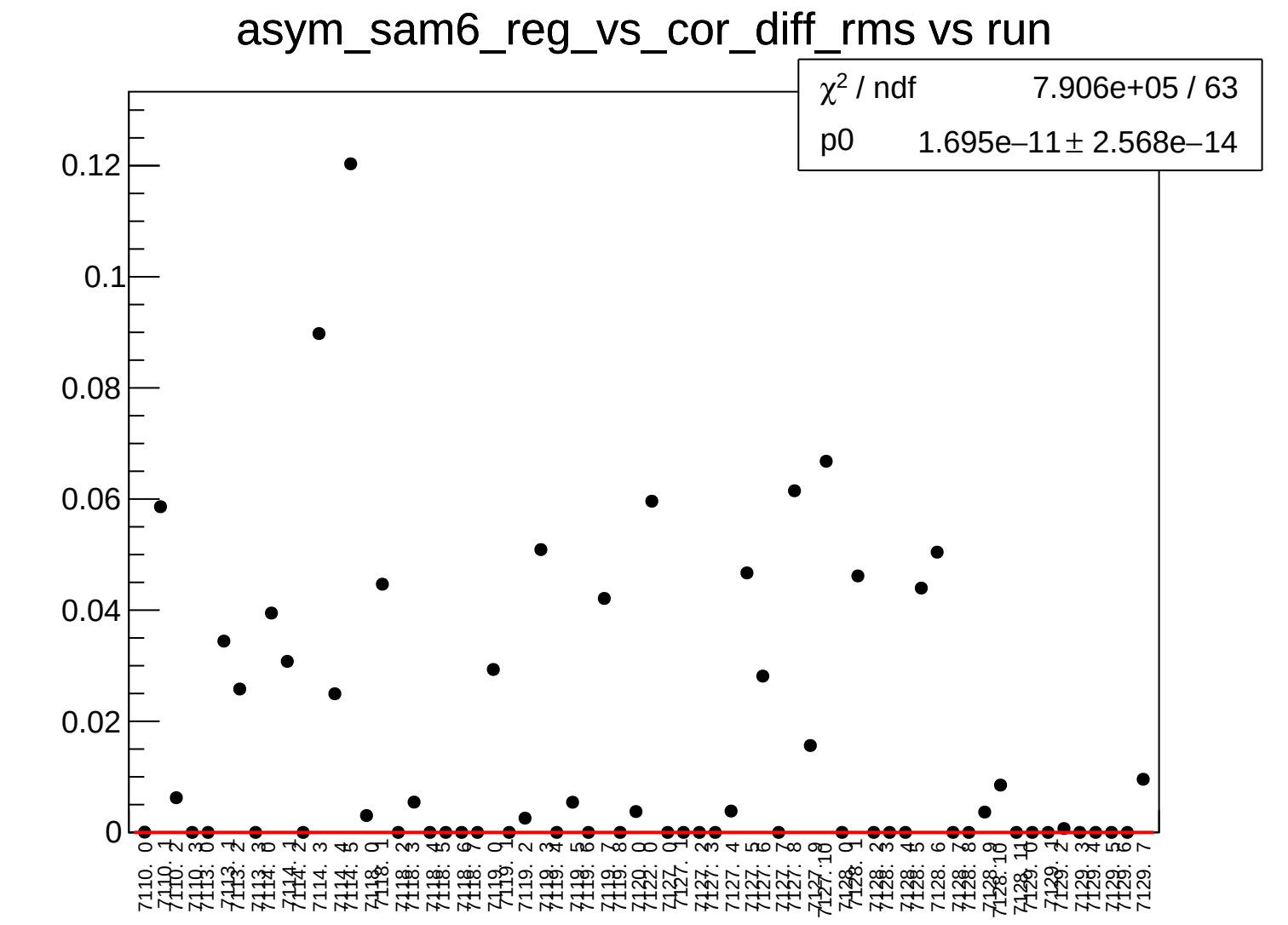

asym_sam6_mean vs run
χ² / ndf 52.95 / 63
p0 −844.1± 1303
pull
Entries 64
Mean −149.8
Std Dev 0

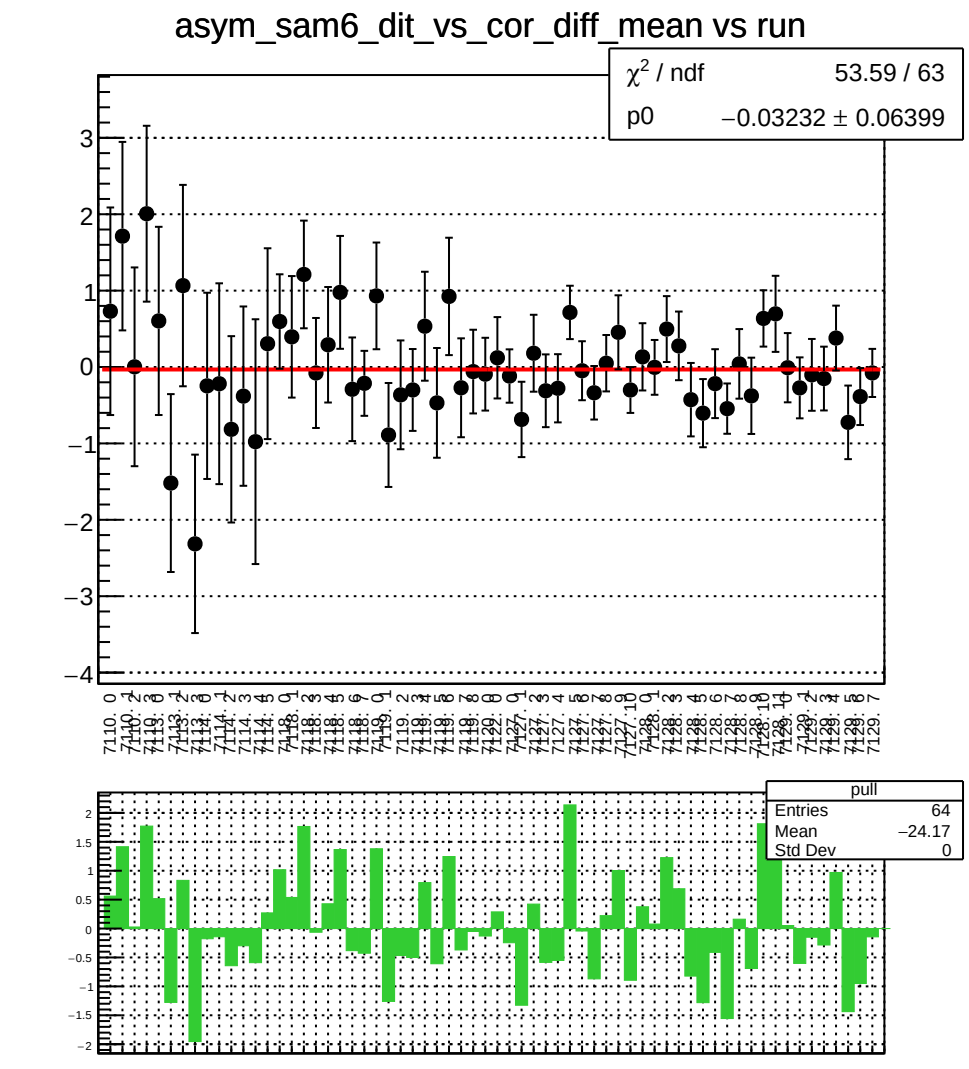

pull1D
Entries 64
Mean 0.0211
Std Dev 0.9094

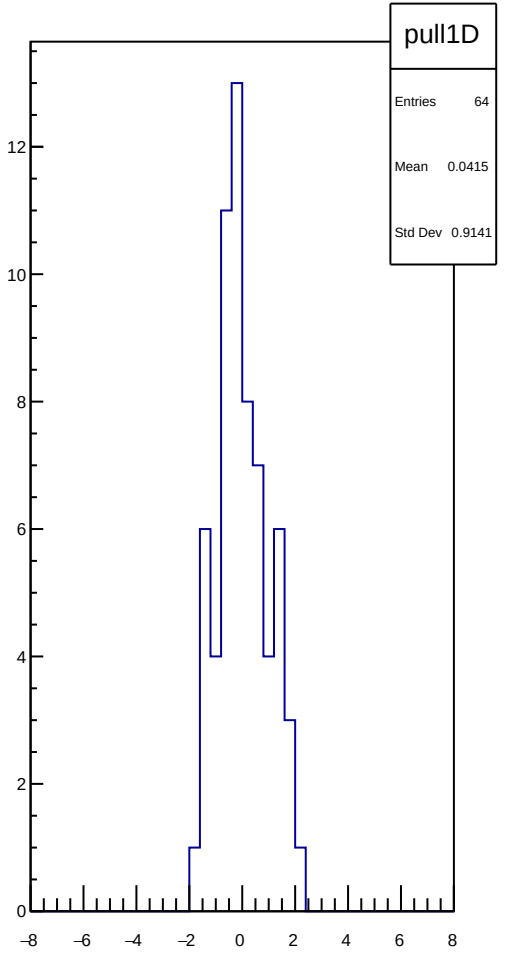

asym_sam6_rms vs run
χ² / ndf 8895 / 63
p0 1017 ± 0.9217
1200
1150
1100
1050
1000
950
900
850
800

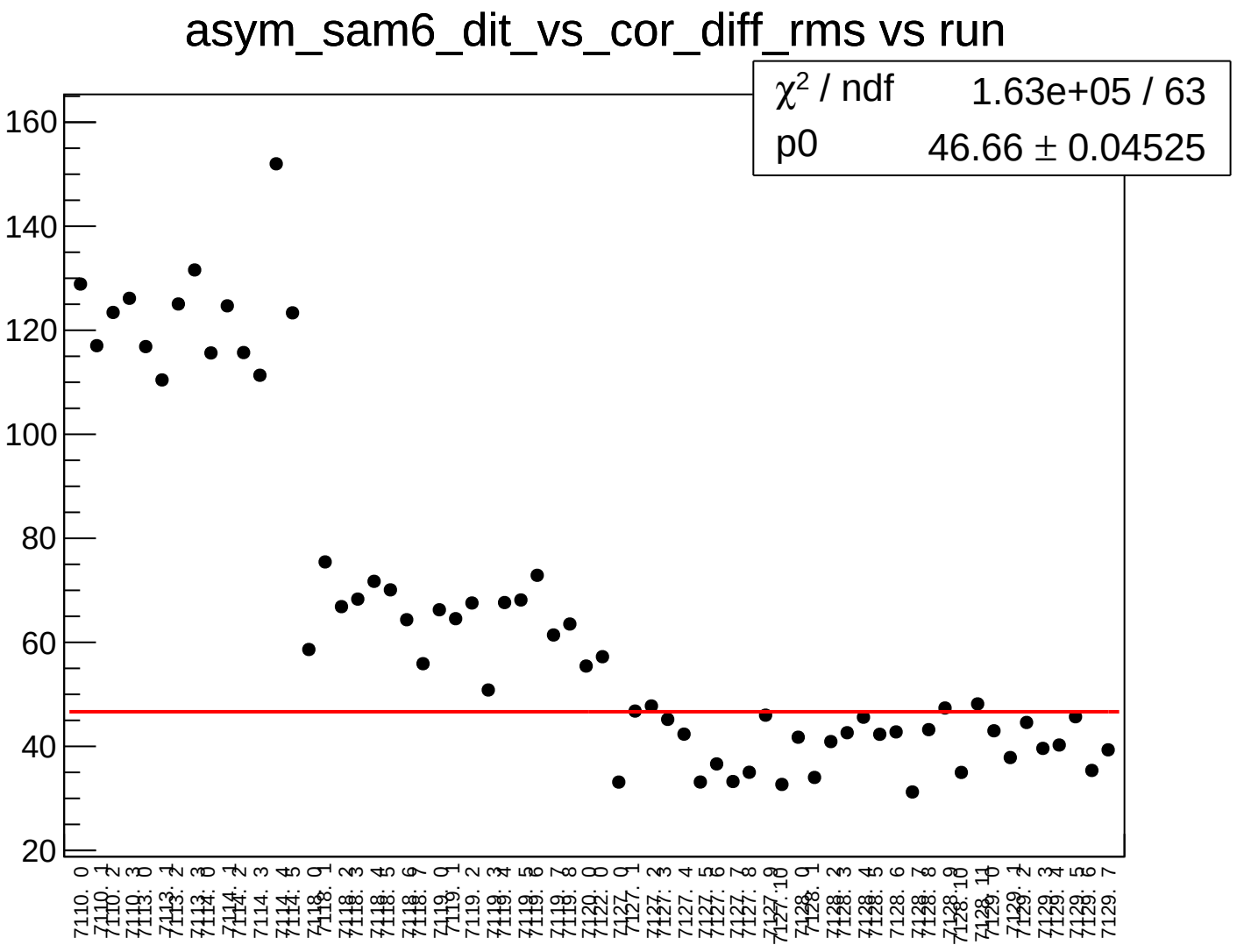

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 44.75 / 63
p0 −4.549e−14 ± 3.632e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 64
Mean 13.88
Std Dev 19.04
2
1.5
1
0.5
0
−0.5
−1
−1.5

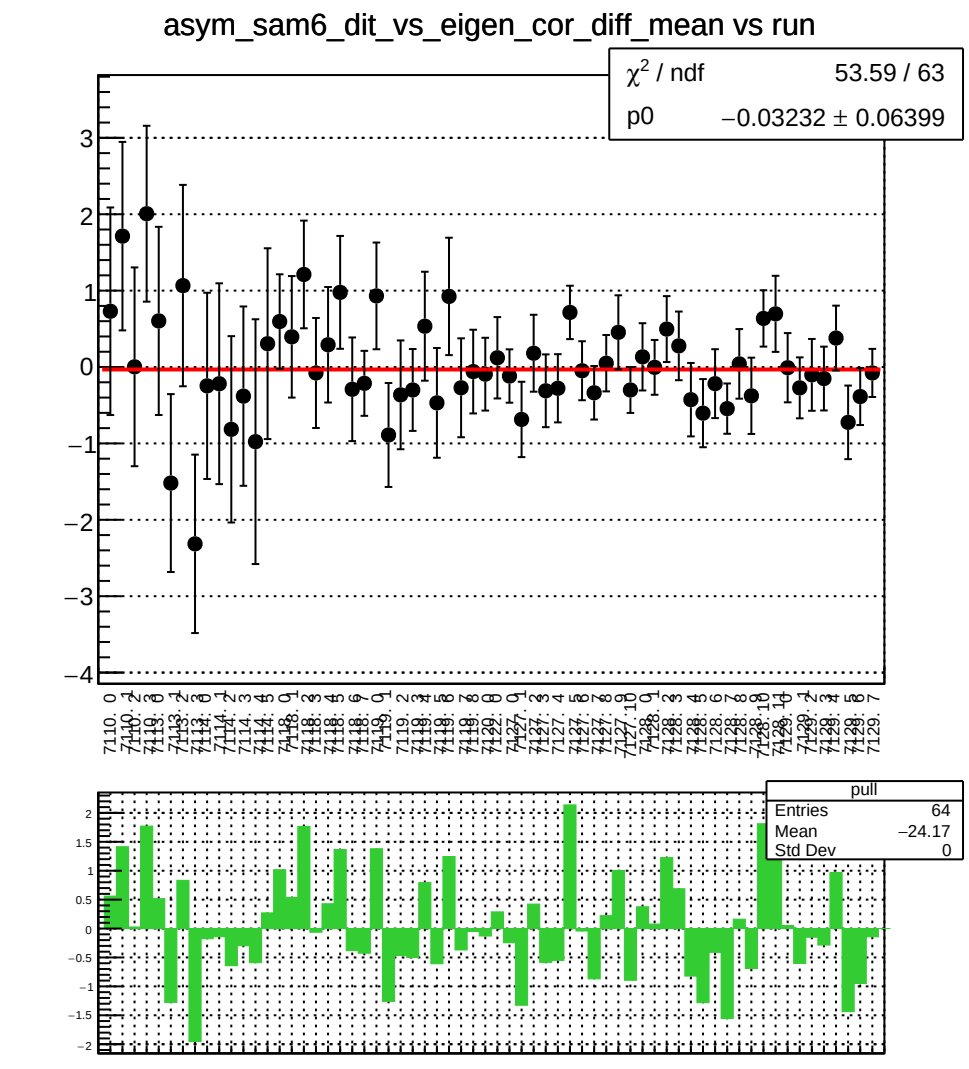

pull1D
Entries 64
Mean −0.1092
Std Dev 0.829
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

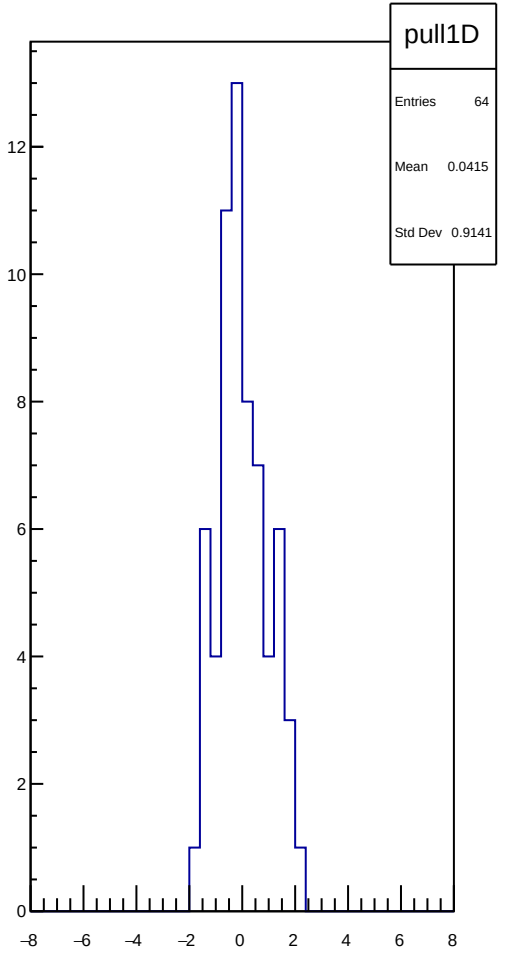

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 7.906e+05 / 63
p0 1.695e−11 ± 2.568e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

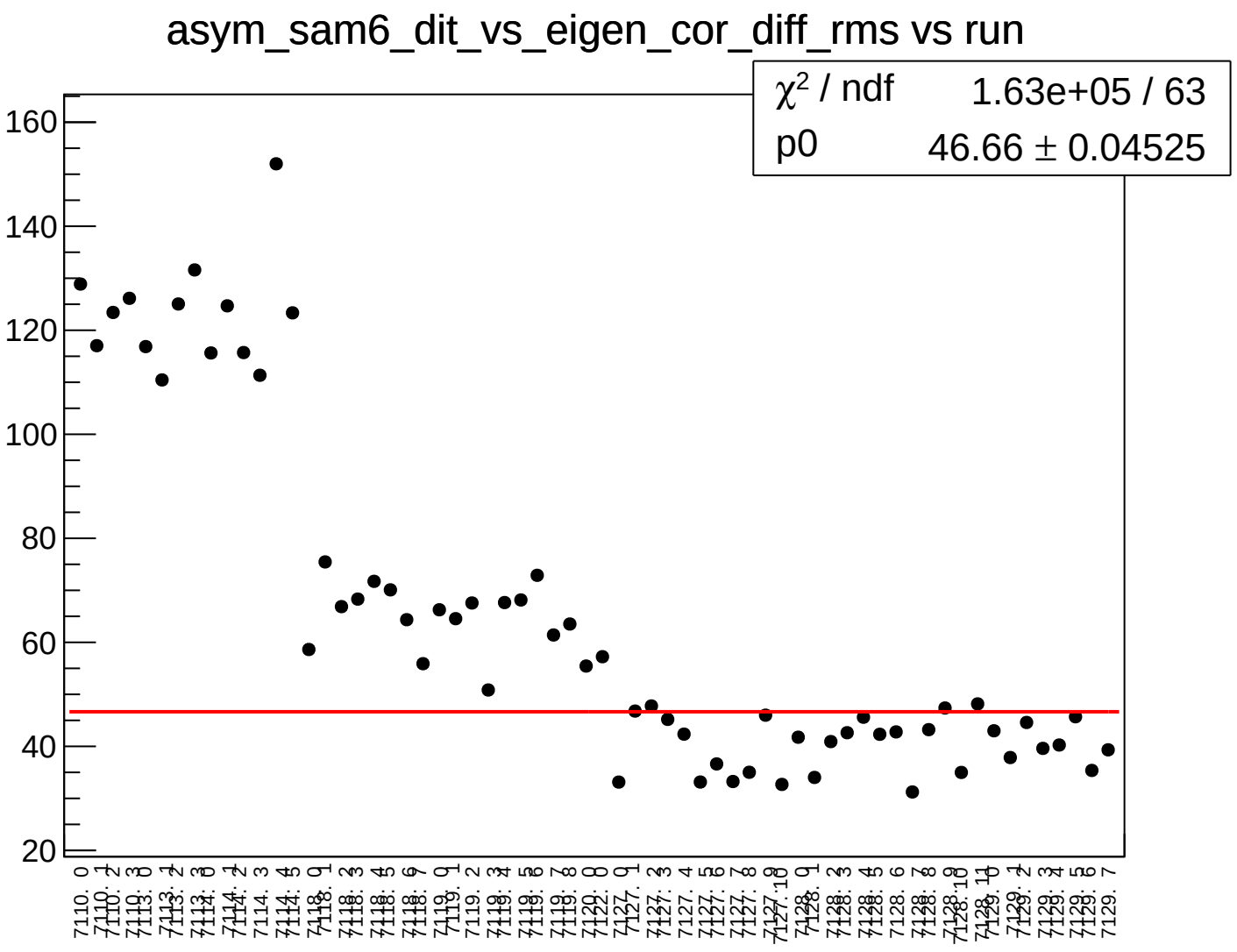

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 53.59 / 63
p0 −0.03232 ± 0.06399
pull
Entries 64
Mean −24.17
Std Dev 0

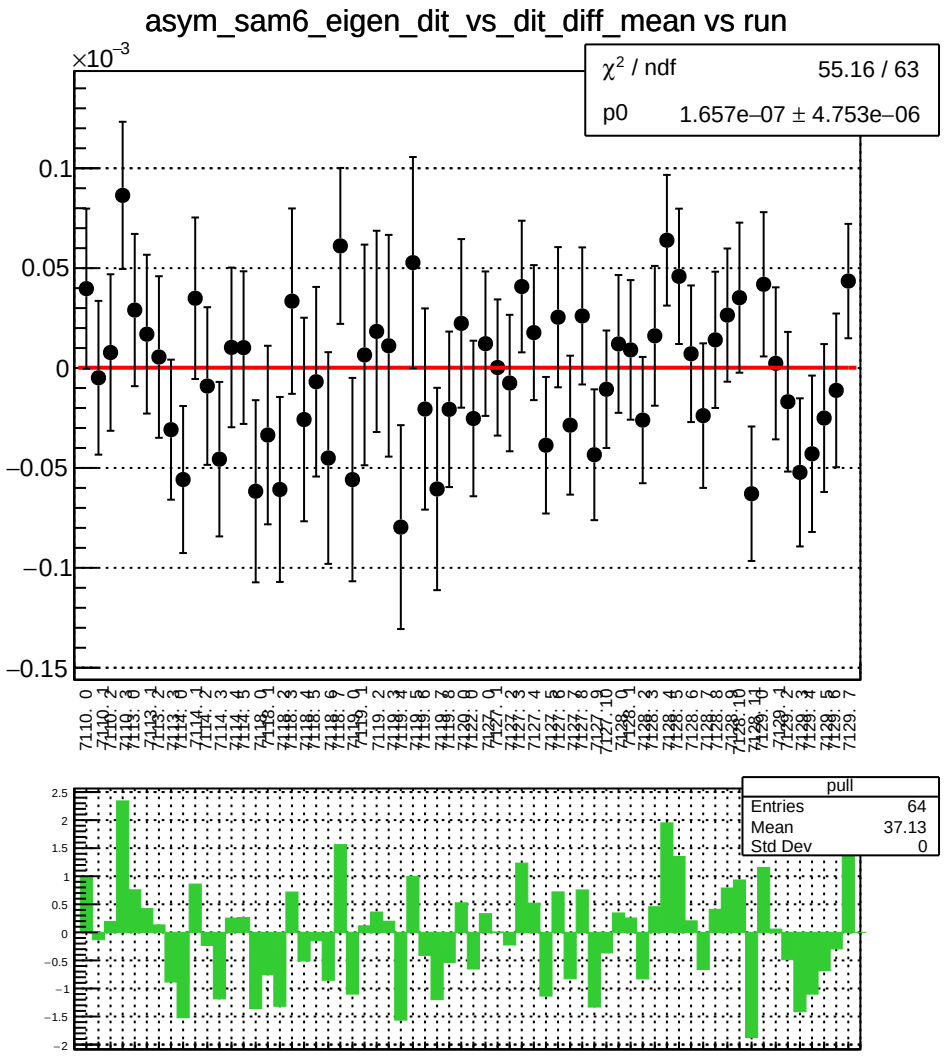

pull1D
Entries 64
Mean 0.0415
Std Dev 0.9141

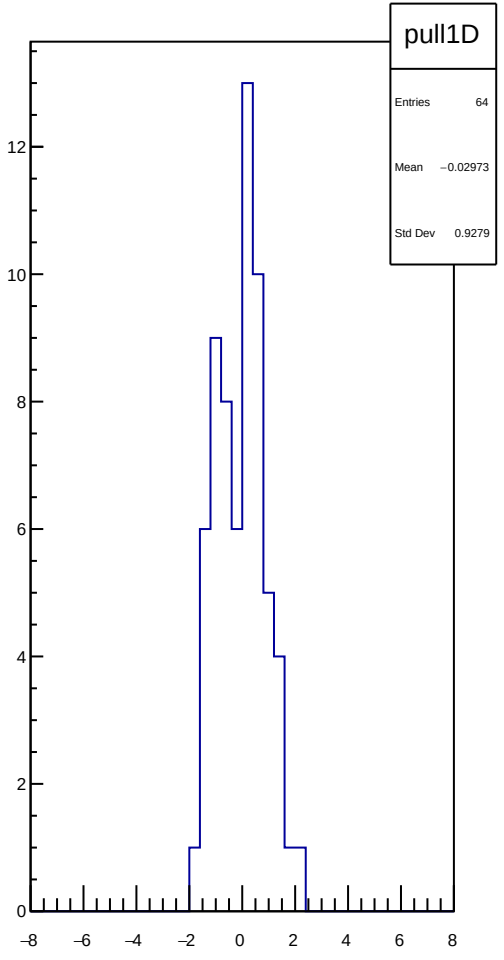

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 1.63e+05 / 63
p0 46.66 ± 0.04525
160
140
120
100
80
60
40
20

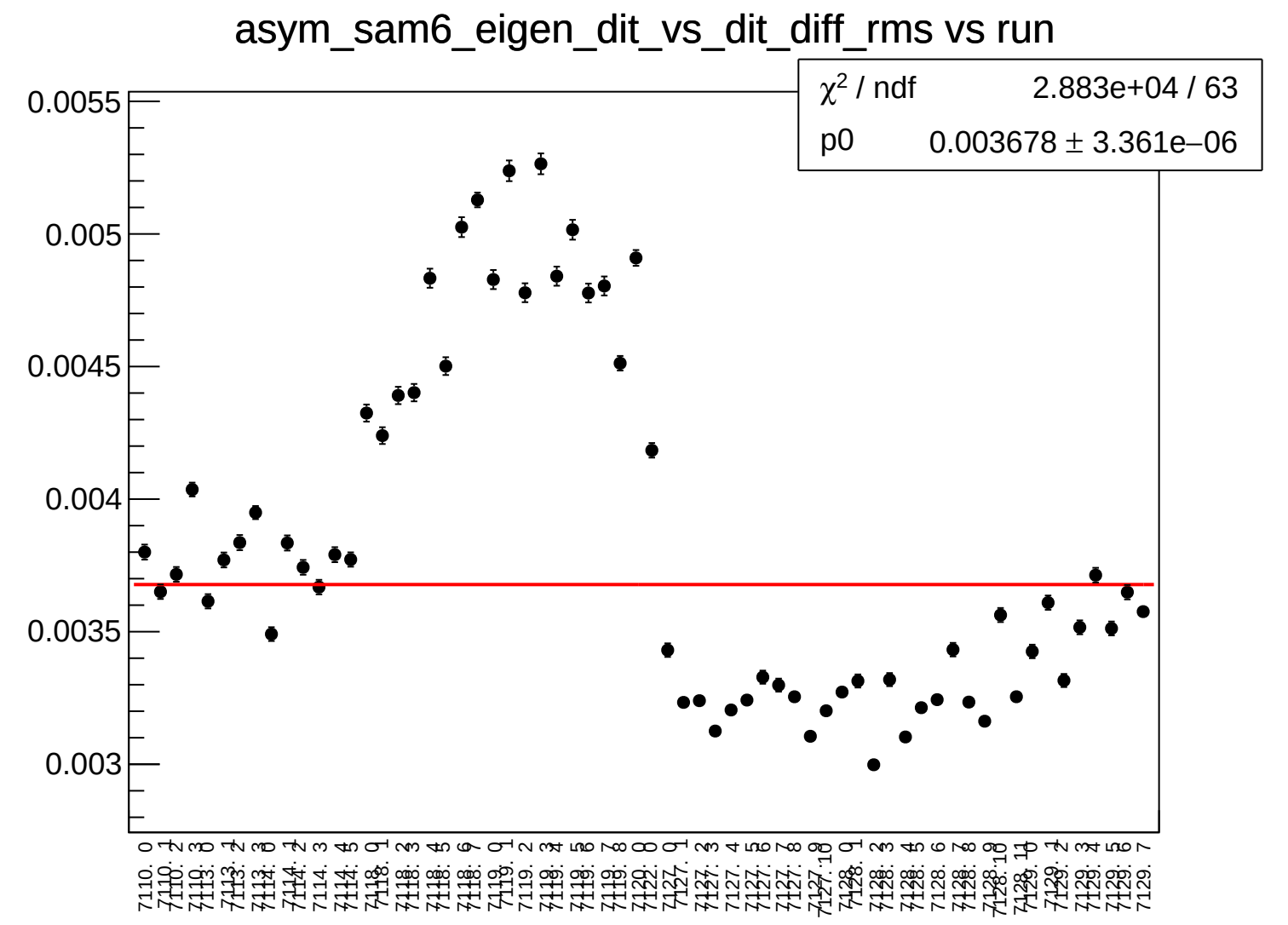

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.59 / 63
p0 −0.03232 ± 0.06399
pull
Entries 64
Mean −24.17
Std Dev 0

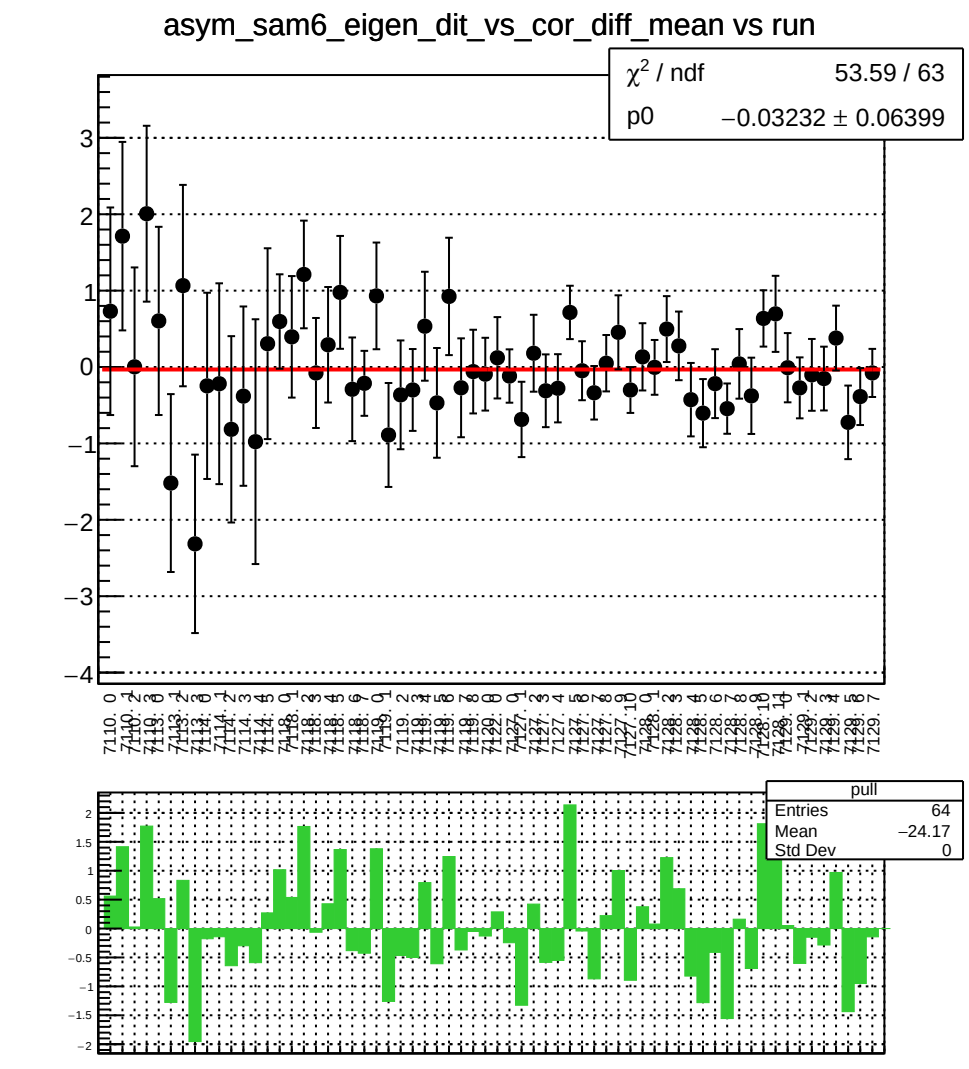

pull1D
Entries 64
Mean 0.0415
Std Dev 0.9141

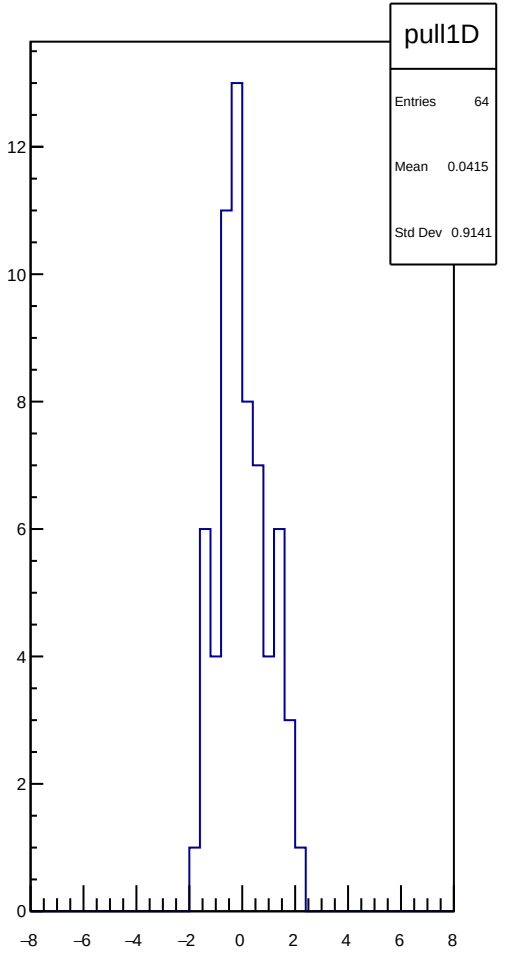

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.63e+05 / 63
p0 46.66 ± 0.04525
160
140
120
100
80
60
40
20

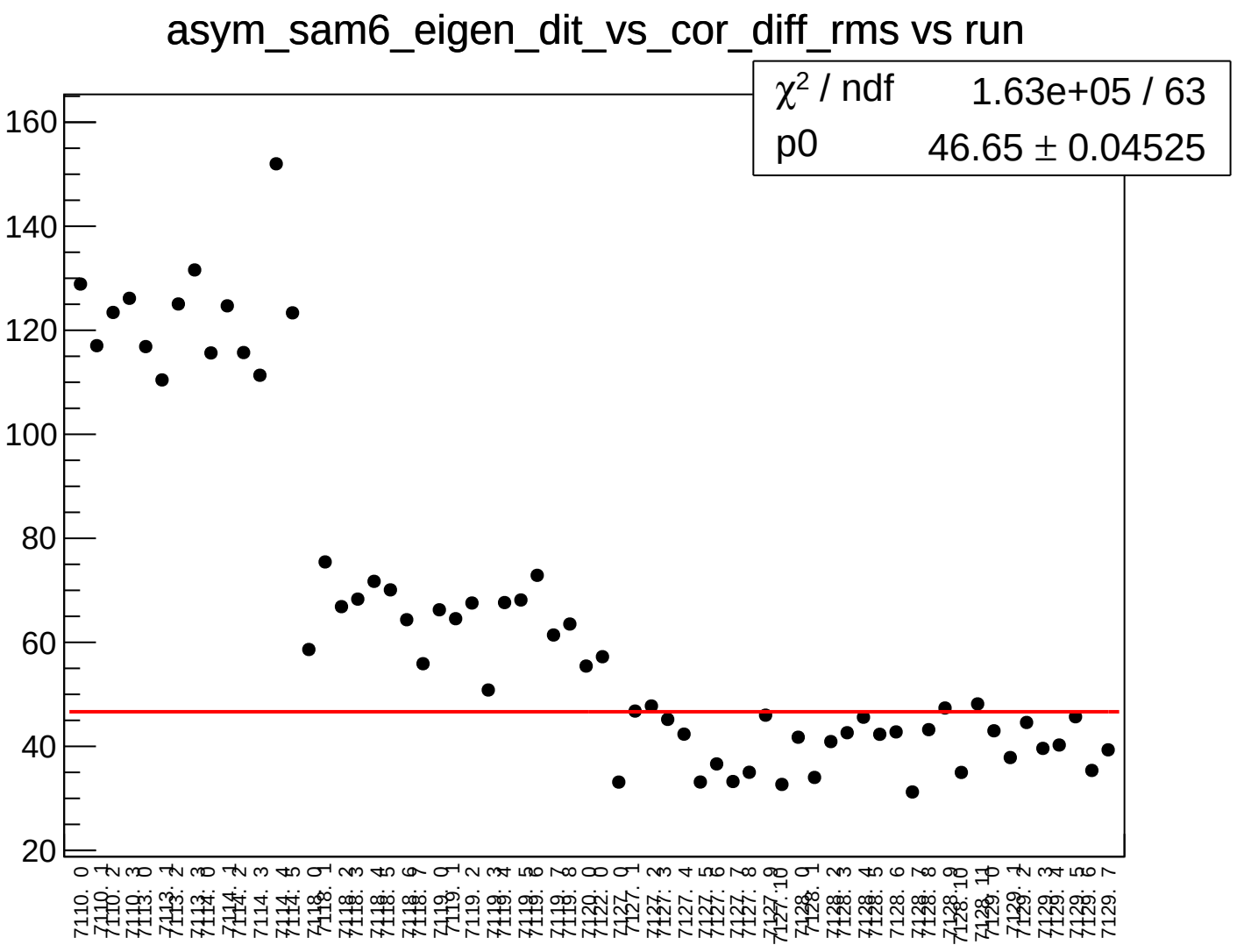

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.16 / 63
p0 1.657e−07 ± 4.753e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 64
Mean 37.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

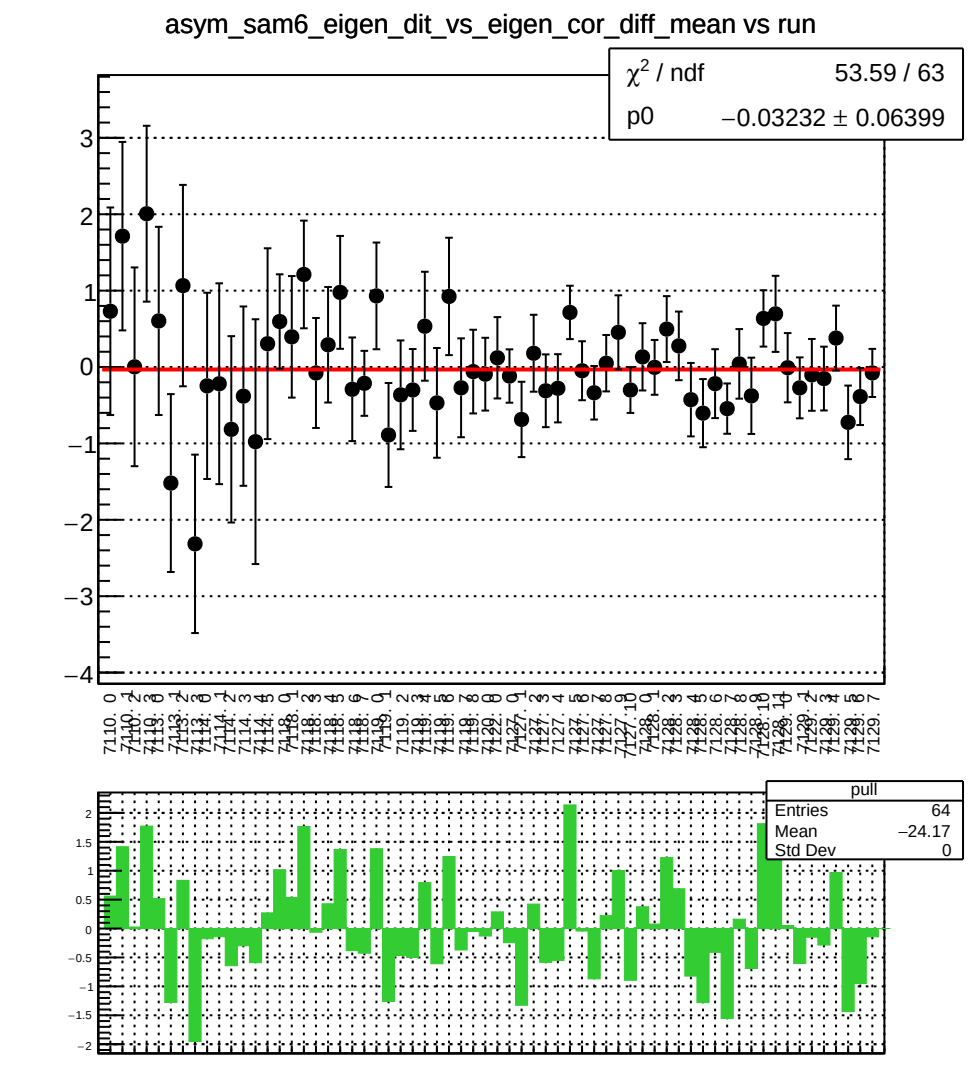

pull1D
Entries 64
Mean −0.02973
Std Dev 0.9279
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

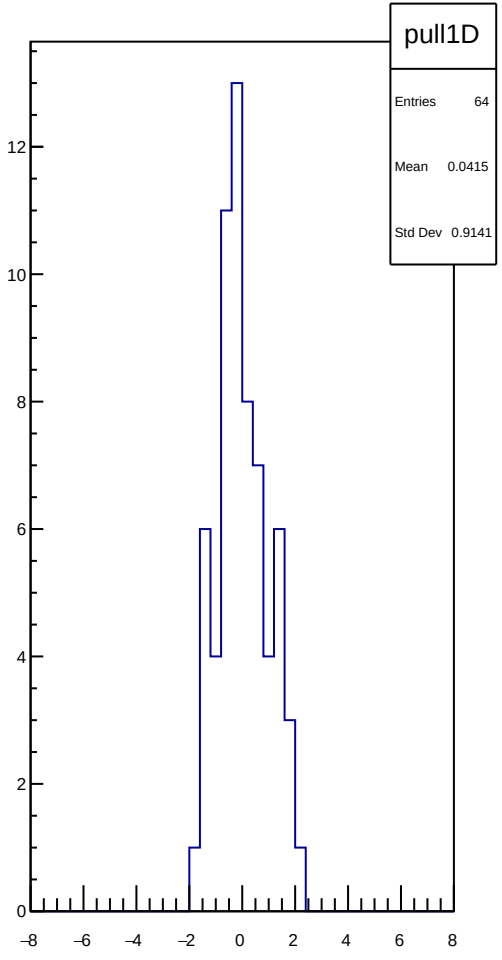

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.883e+04 / 63
p0 0.003678 ± 3.361e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003

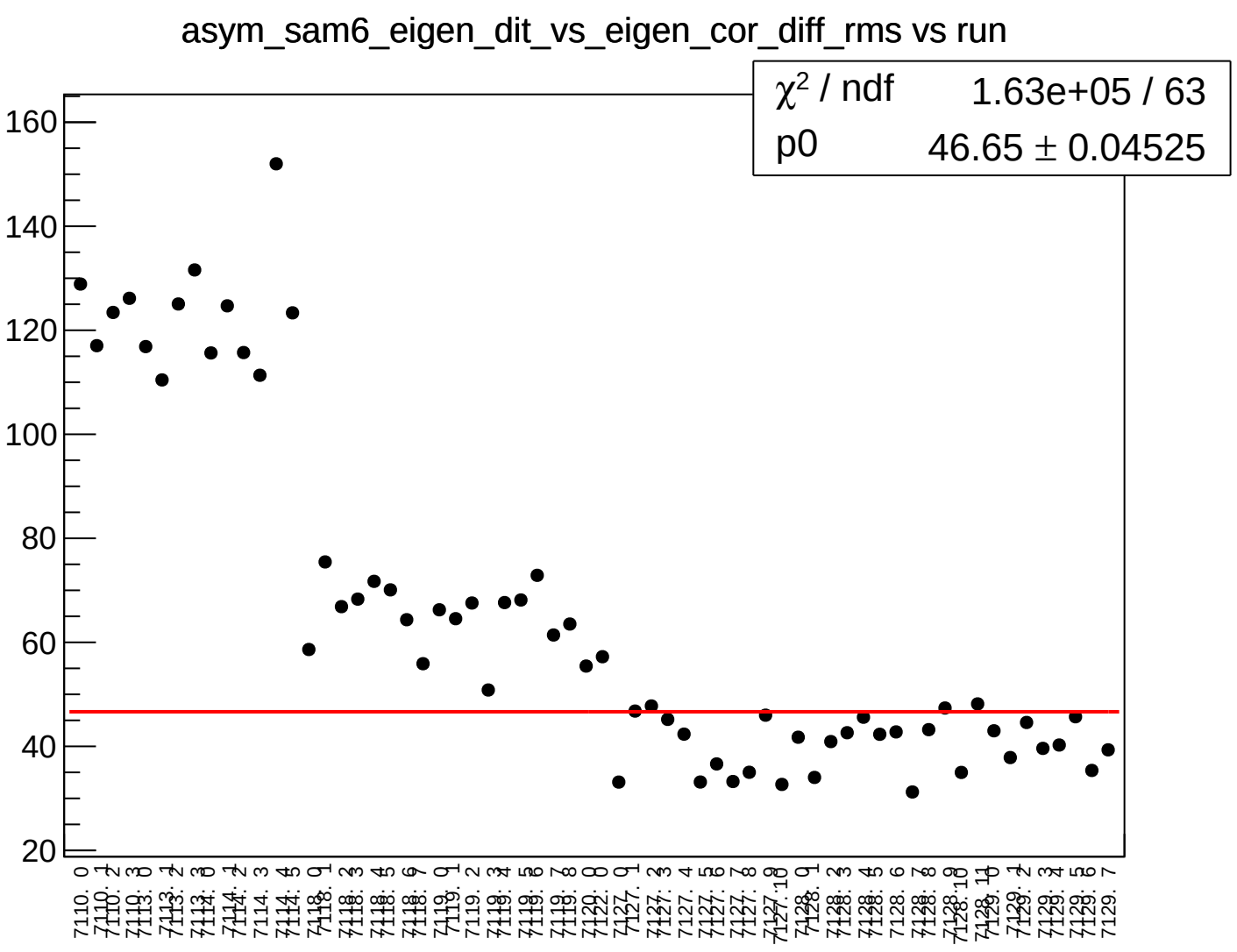

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.59 / 63
p0 −0.03232 ± 0.06399
pull
Entries 64
Mean −24.17
Std Dev 0

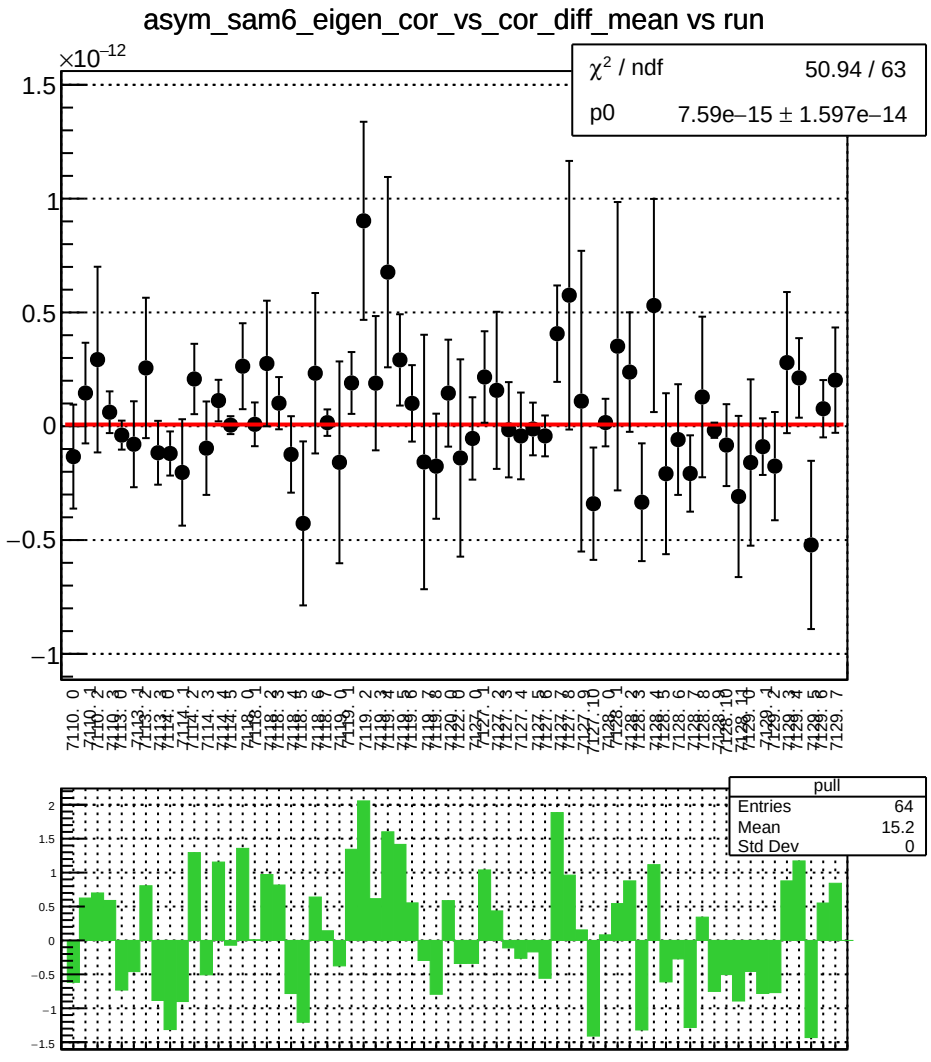

pull1D
Entries 64
Mean 0.0415
Std Dev 0.9141

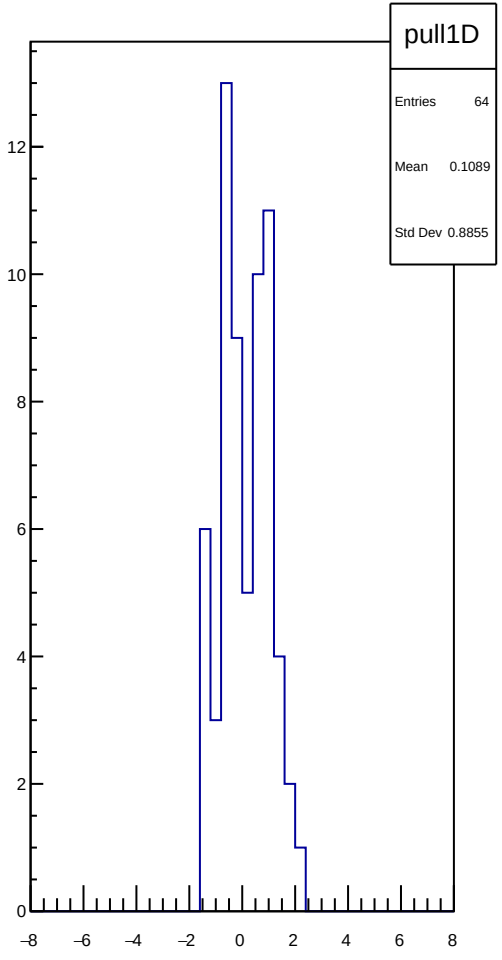

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.63e+05 / 63
p0 46.65 ± 0.04525
160
140
120
100
80
60
40
20

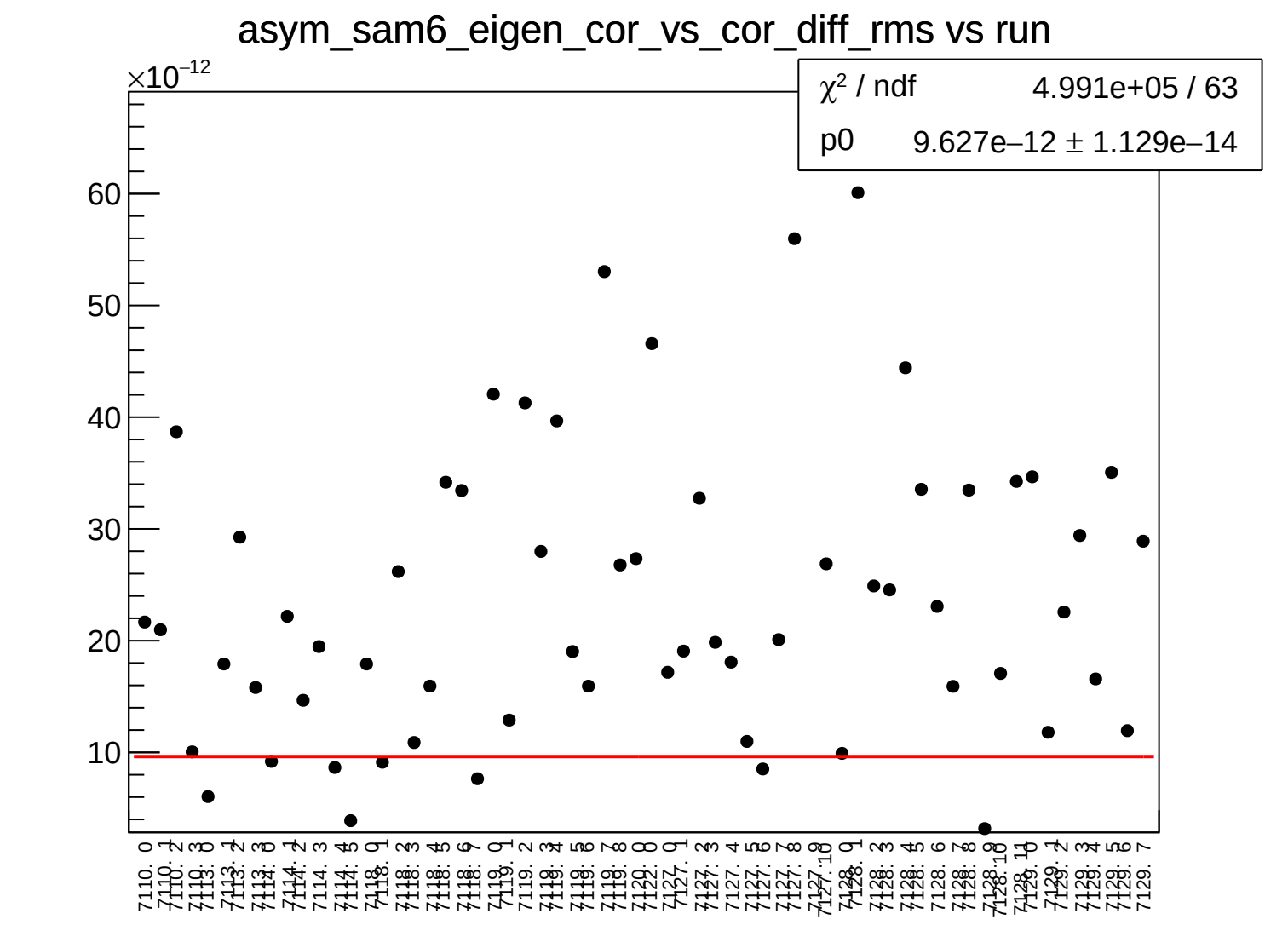

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.59 / 63
p0 −0.03232 ± 0.06399
pull
Entries 64
Mean −24.17
Std Dev 0

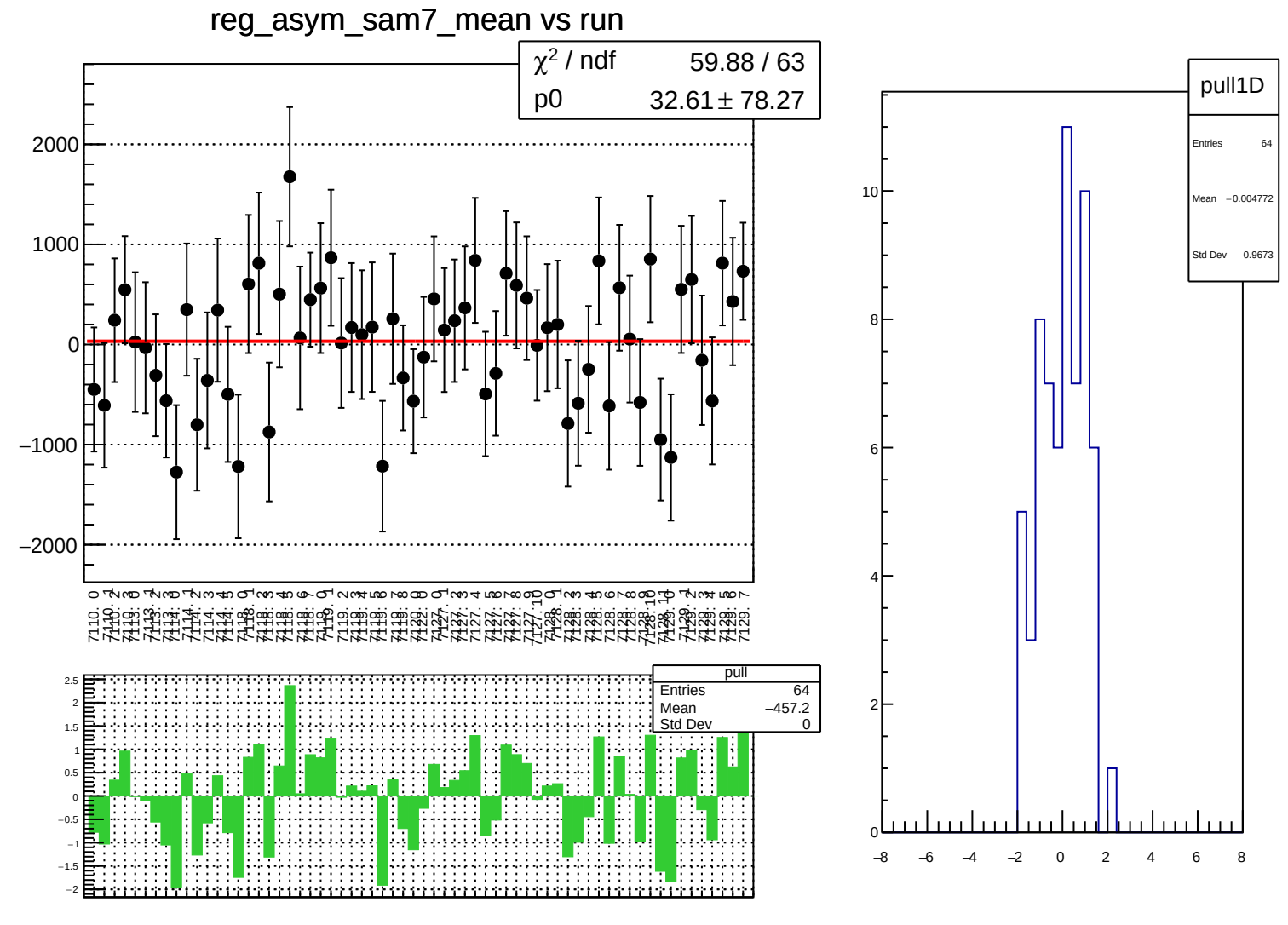

pull1D
Entries 64
Mean 0.0415
Std Dev 0.9141

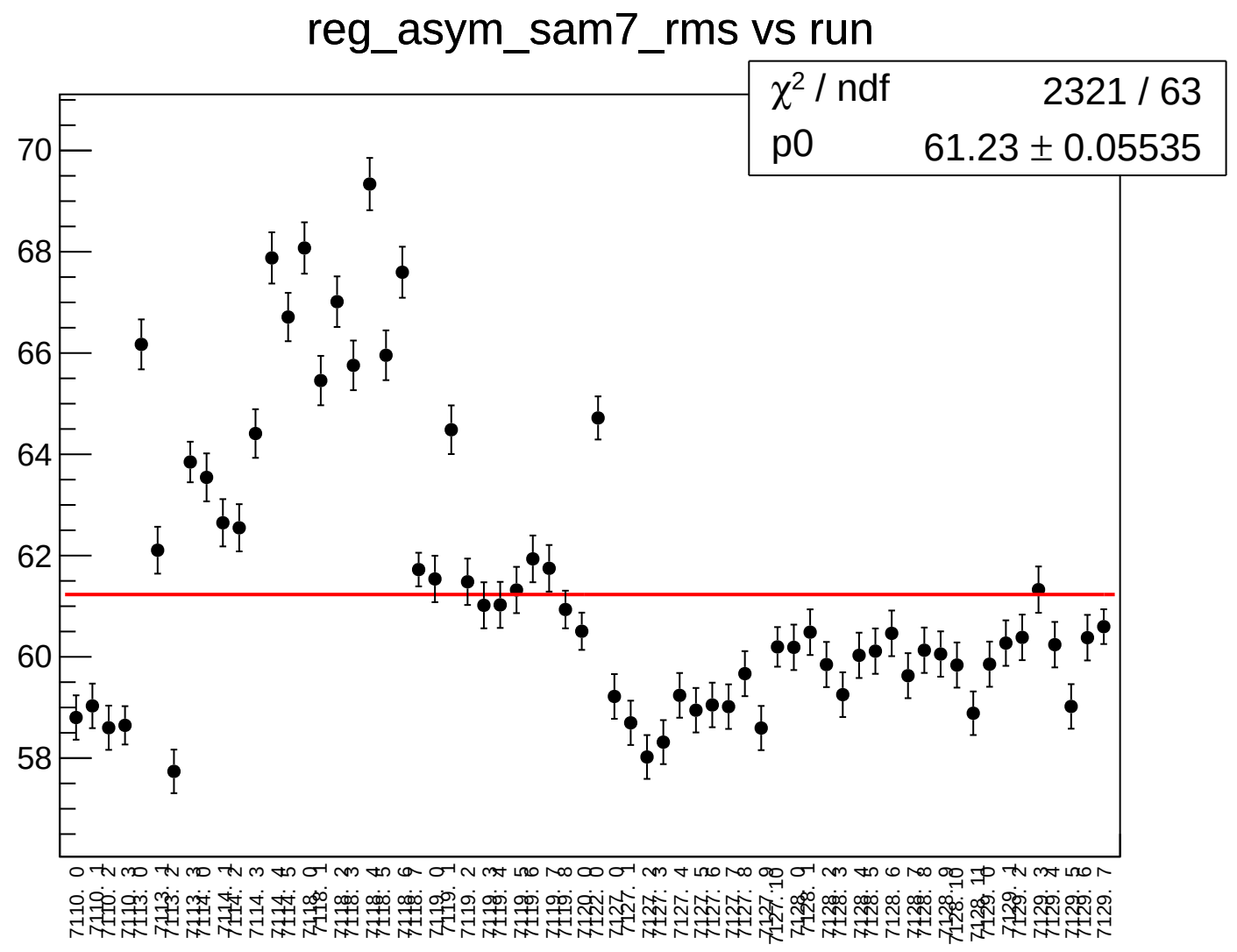

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.63e+05 / 63
p0 46.65 ± 0.04525
160
140
120
100
80
60
40
20

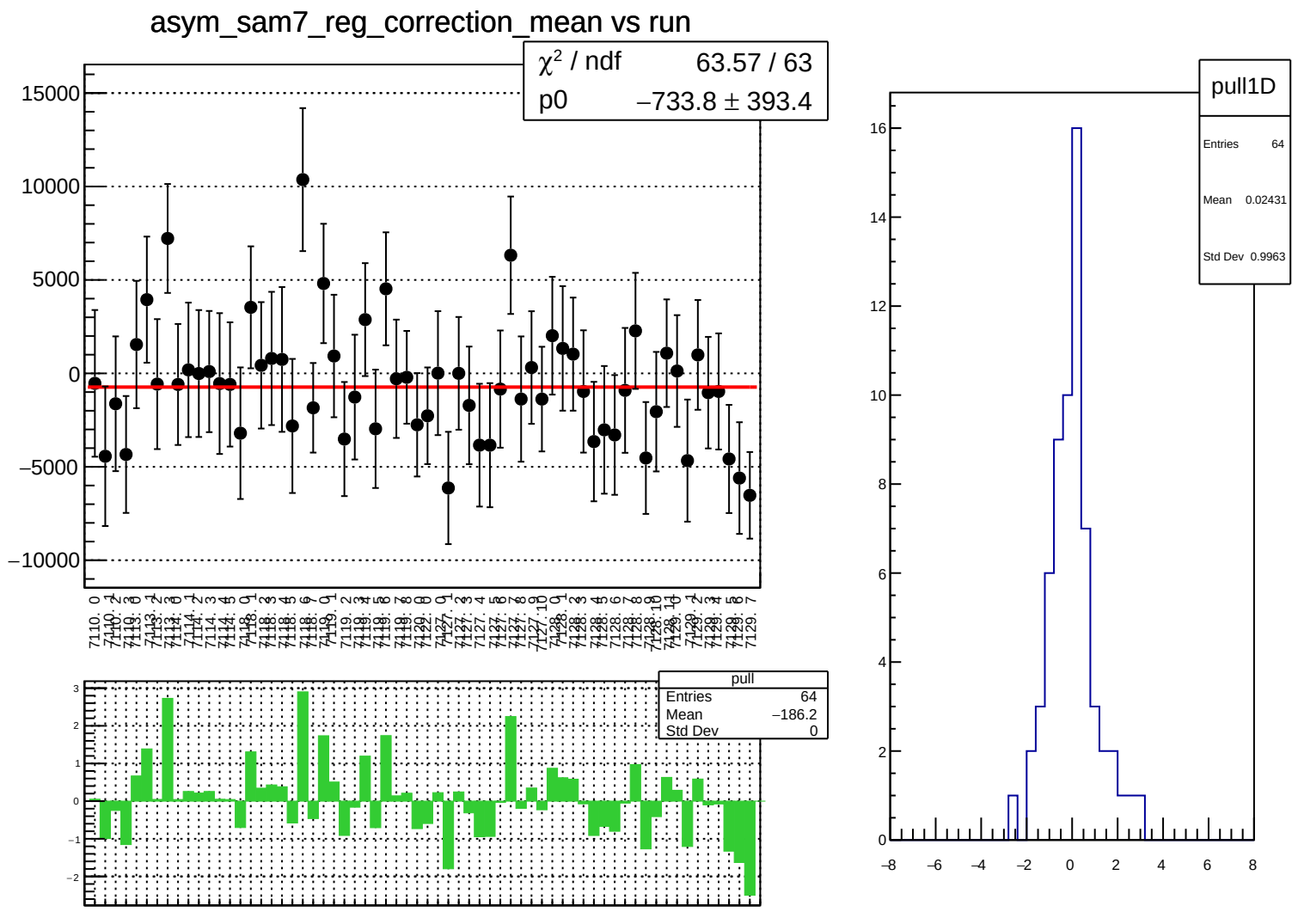

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.94 / 63
p0 7.59e−15 ± 1.597e−14
pull
Entries 64
Mean 15.2
Std Dev 0

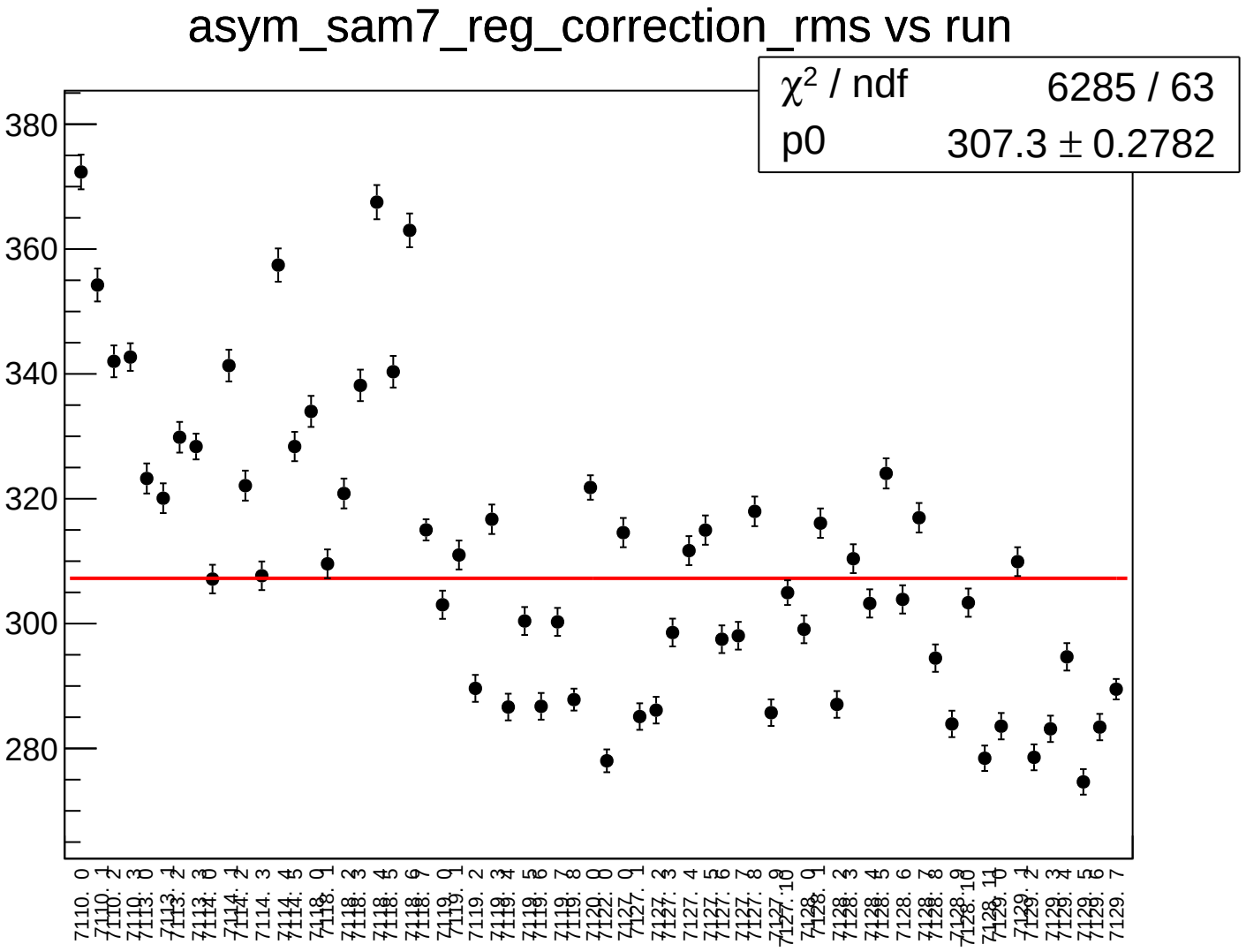

pull1D
Entries 64
Mean 0.1089
Std Dev 0.8855

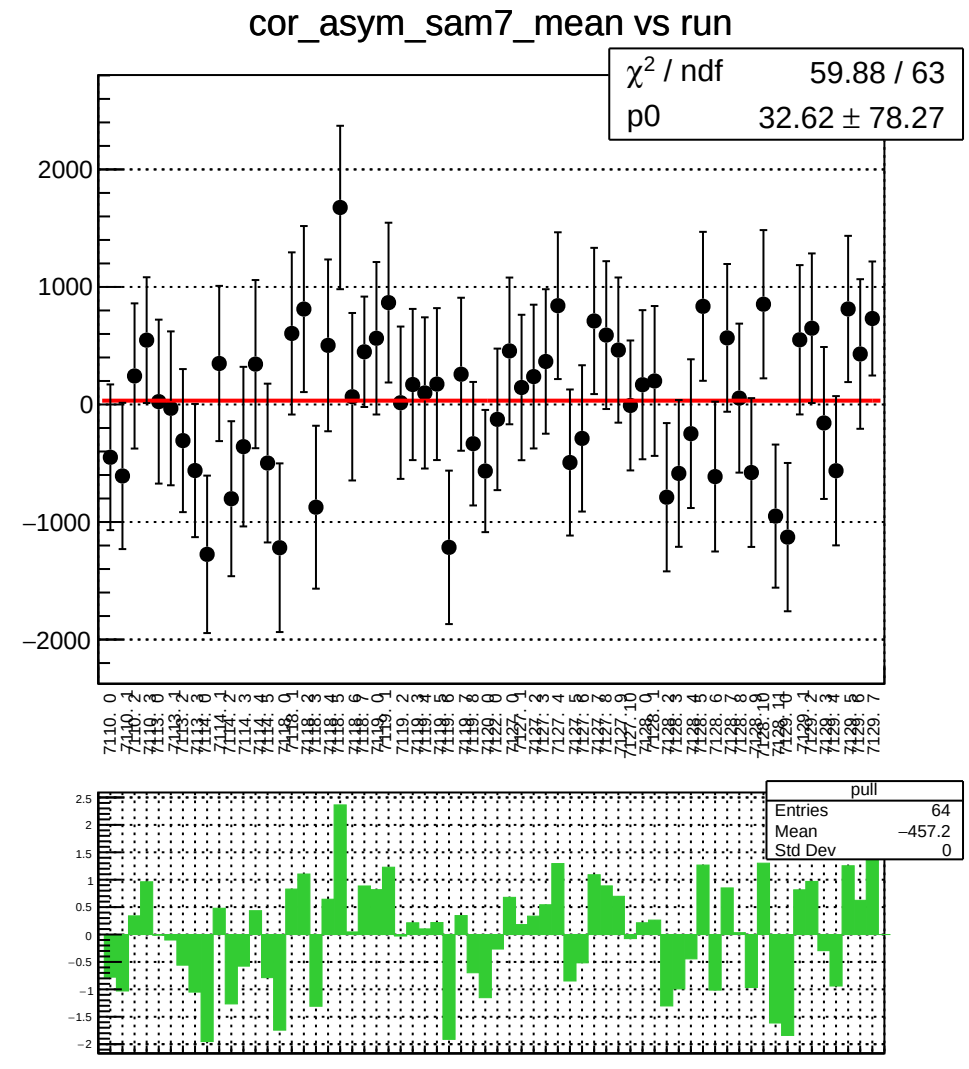

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.991e+05 / 63
p0 9.627e−12 ± 1.129e−14
60
50
40
30
20
10

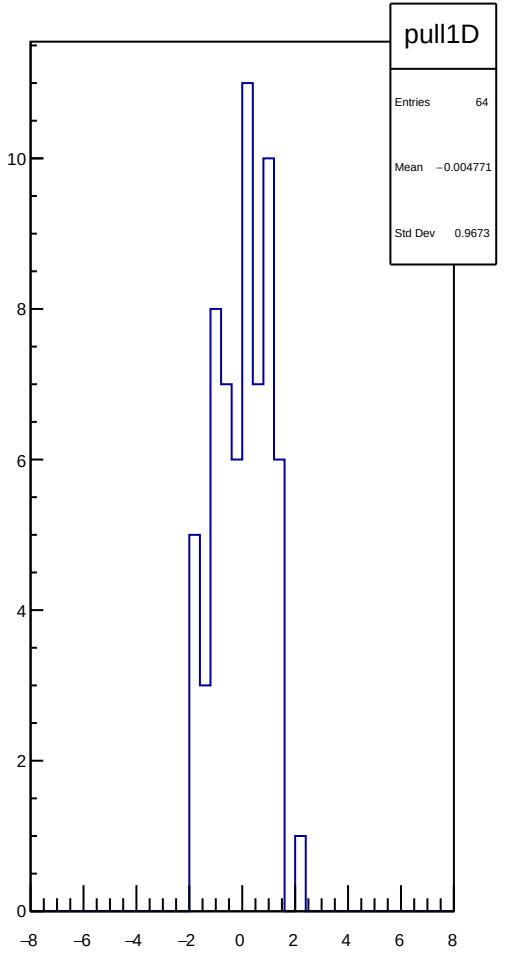

reg_asym_sam7_mean vs run
χ² / ndf 59.88 / 63
p0 32.61 ± 78.27
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −457.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.004772
Std Dev 0.9673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

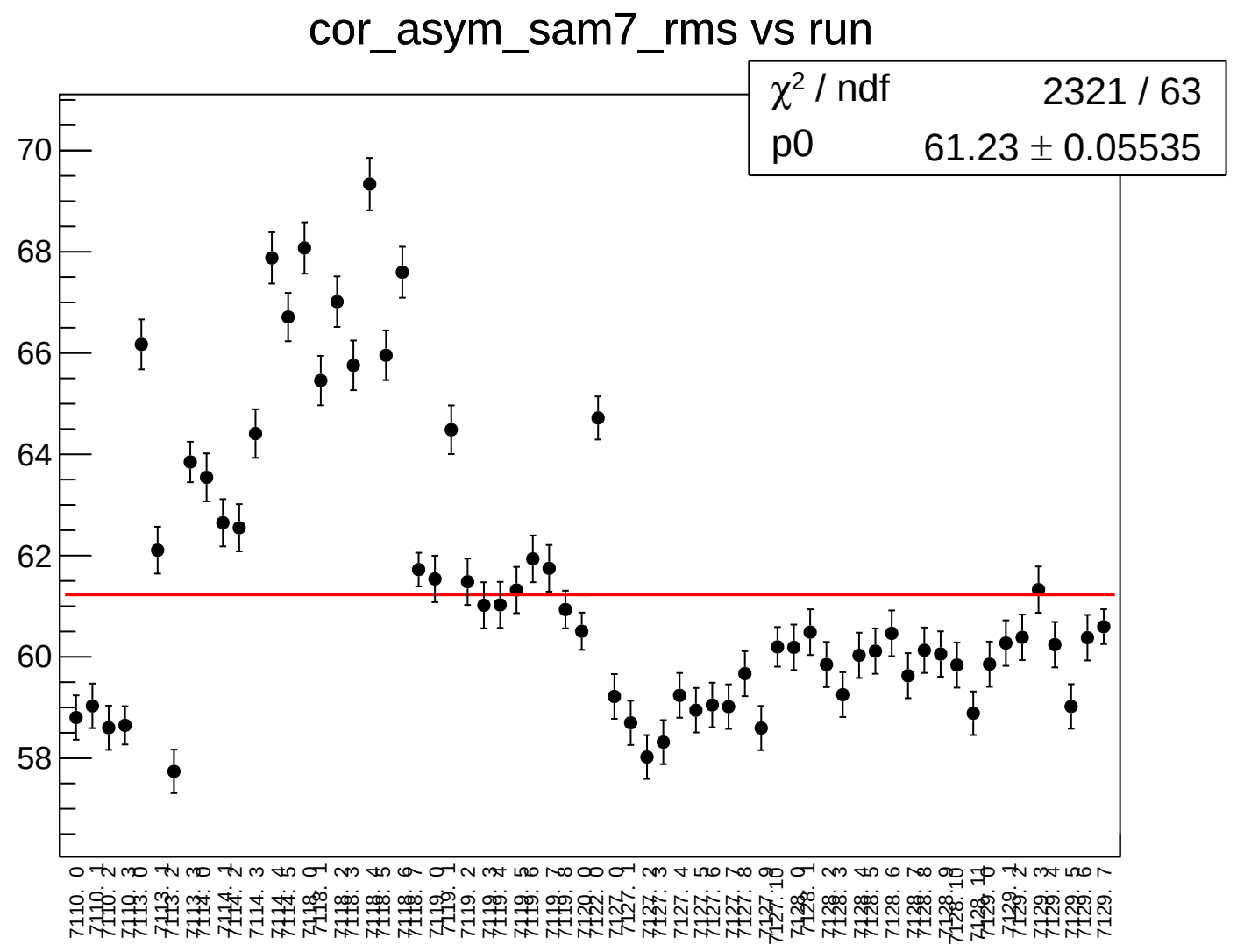

reg_asym_sam7_rms vs run
χ^2 / ndf 2321 / 63
p0 61.23 ± 0.05535
70
68
66
64
62
60
58

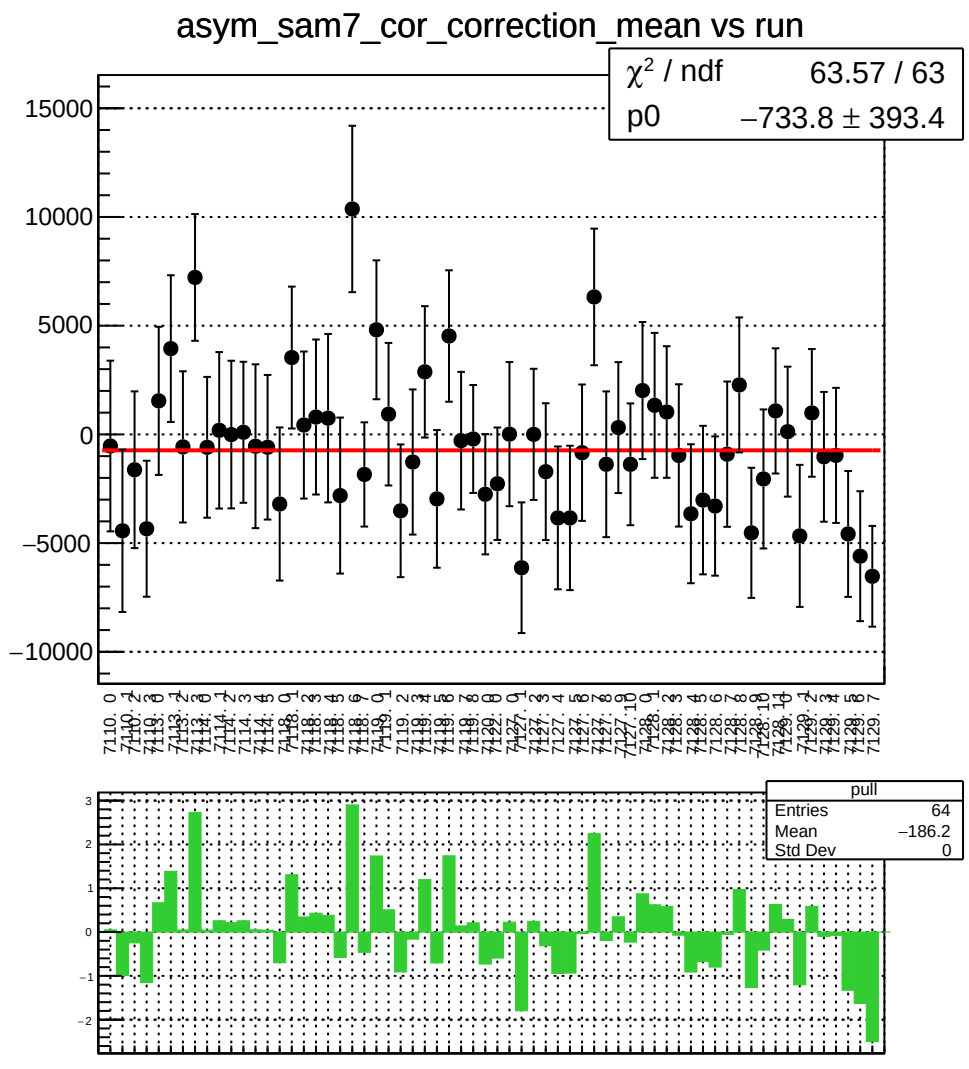

asym_sam7_reg_correction_mean vs run
χ² / ndf 63.57 / 63
p0 −733.8 ± 393.4
pull
Entries 64
Mean −186.2
Std Dev 0
pull1D
Entries 64
Mean 0.02431
Std Dev 0.9963

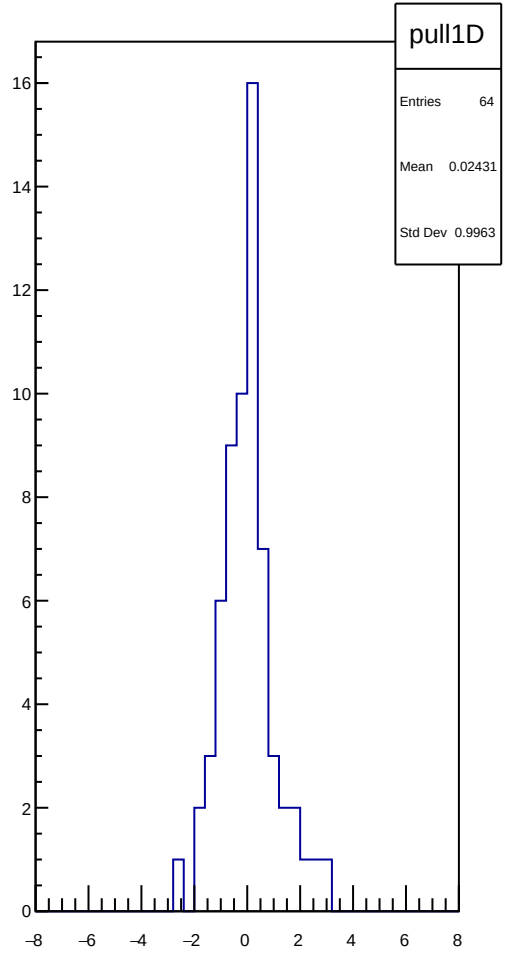

asym_sam7_reg_correction_rms vs run
χ² / ndf 6285 / 63
p0 307.3 ± 0.2782
380
360
340
320
300
280

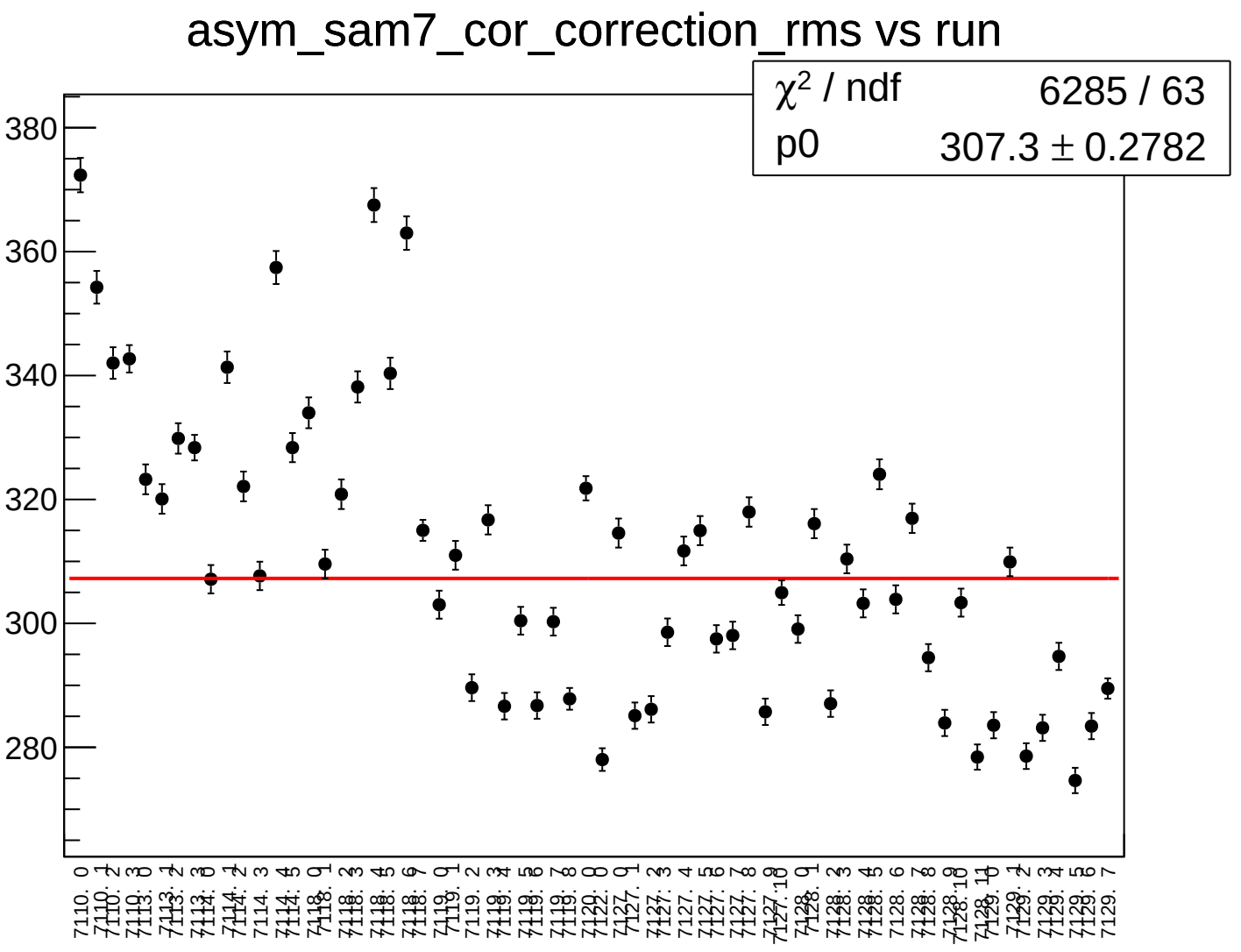

cor_asym_sam7_mean vs run
χ² / ndf 59.88 / 63
p0 32.62 ± 78.27
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −457.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

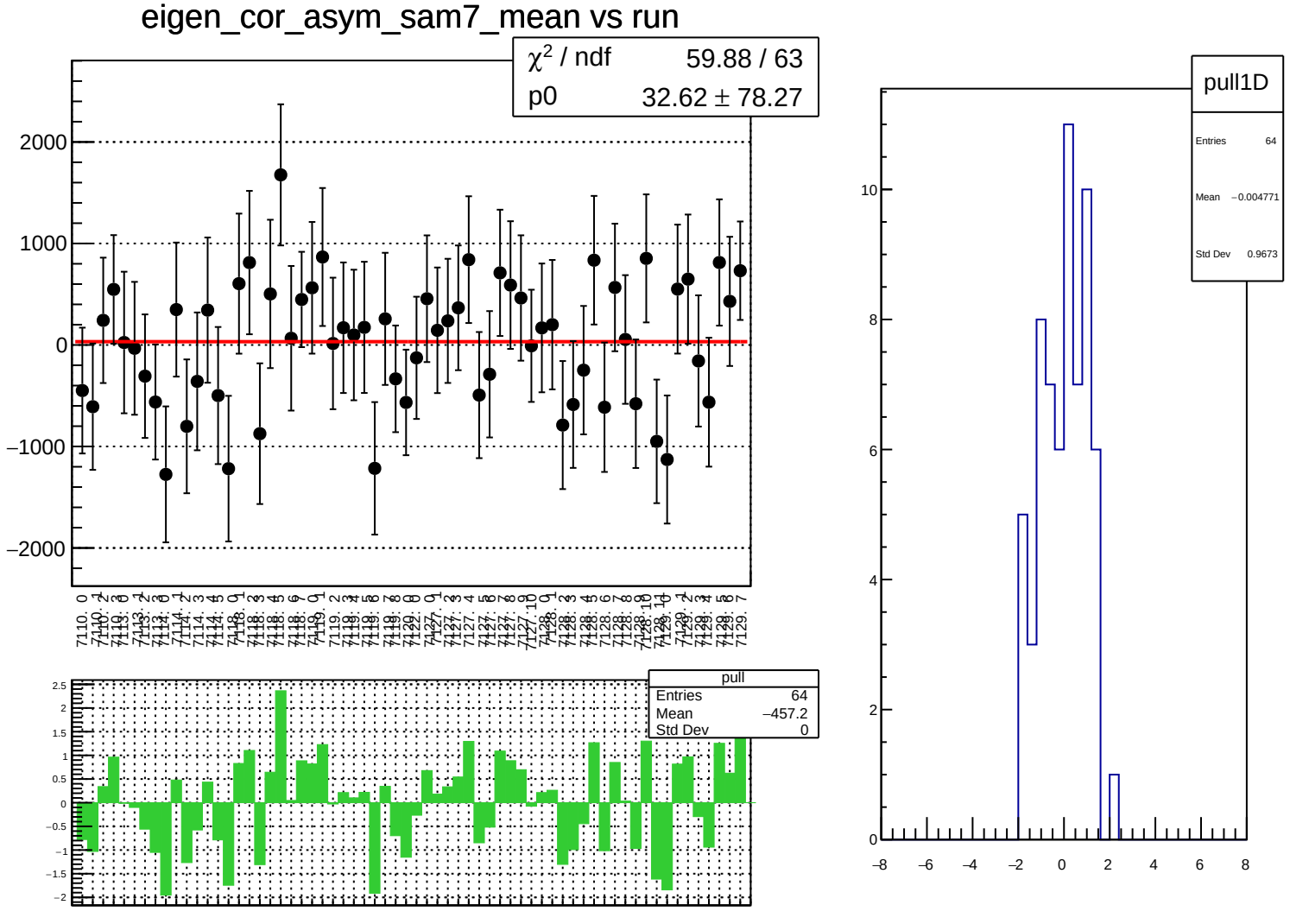

pull1D
Entries 64
Mean −0.004771
Std Dev 0.9673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

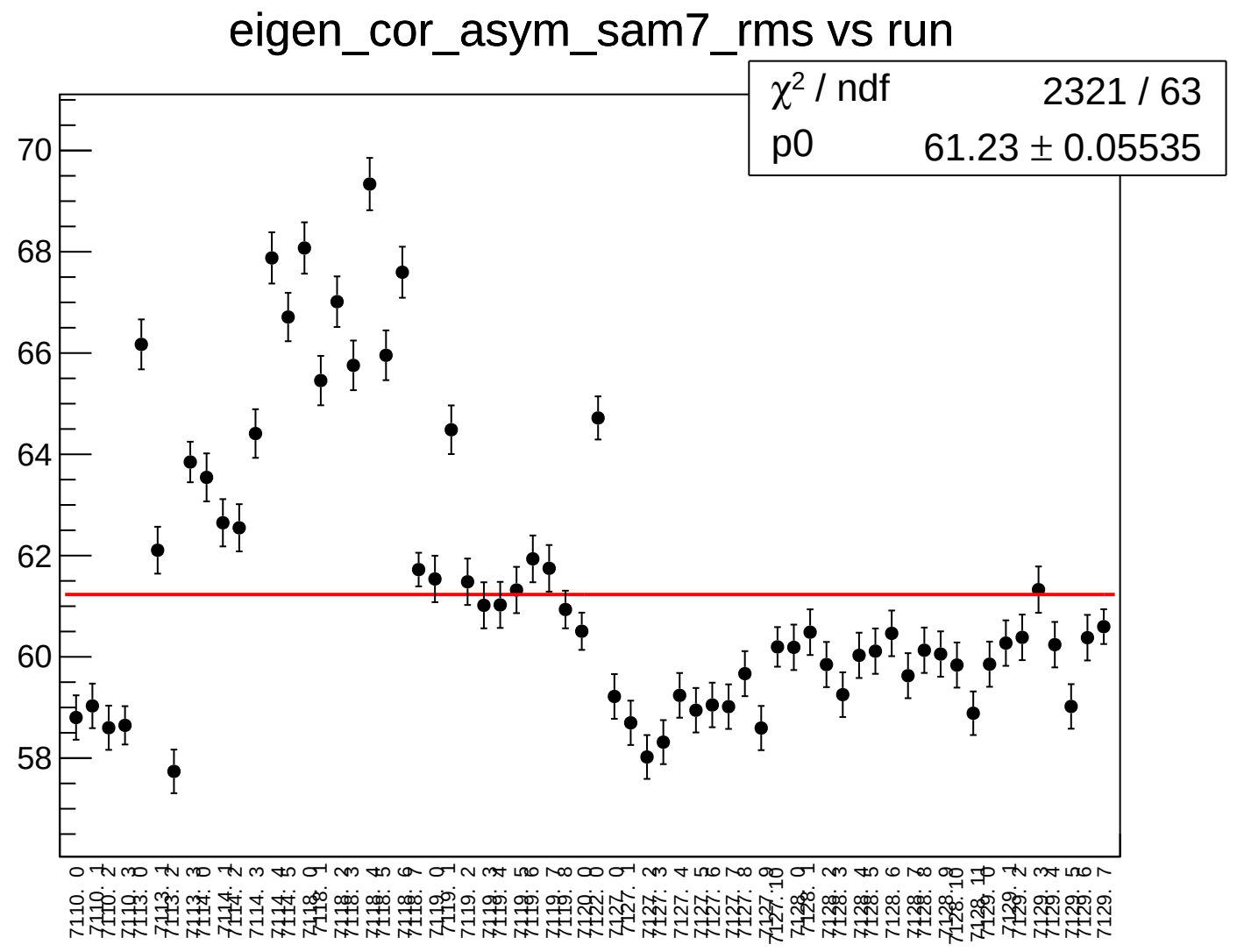

cor_asym_sam7_rms vs run
χ^2 / ndf 2321 / 63
p0 61.23 ± 0.05535
70
68
66
64
62
60
58

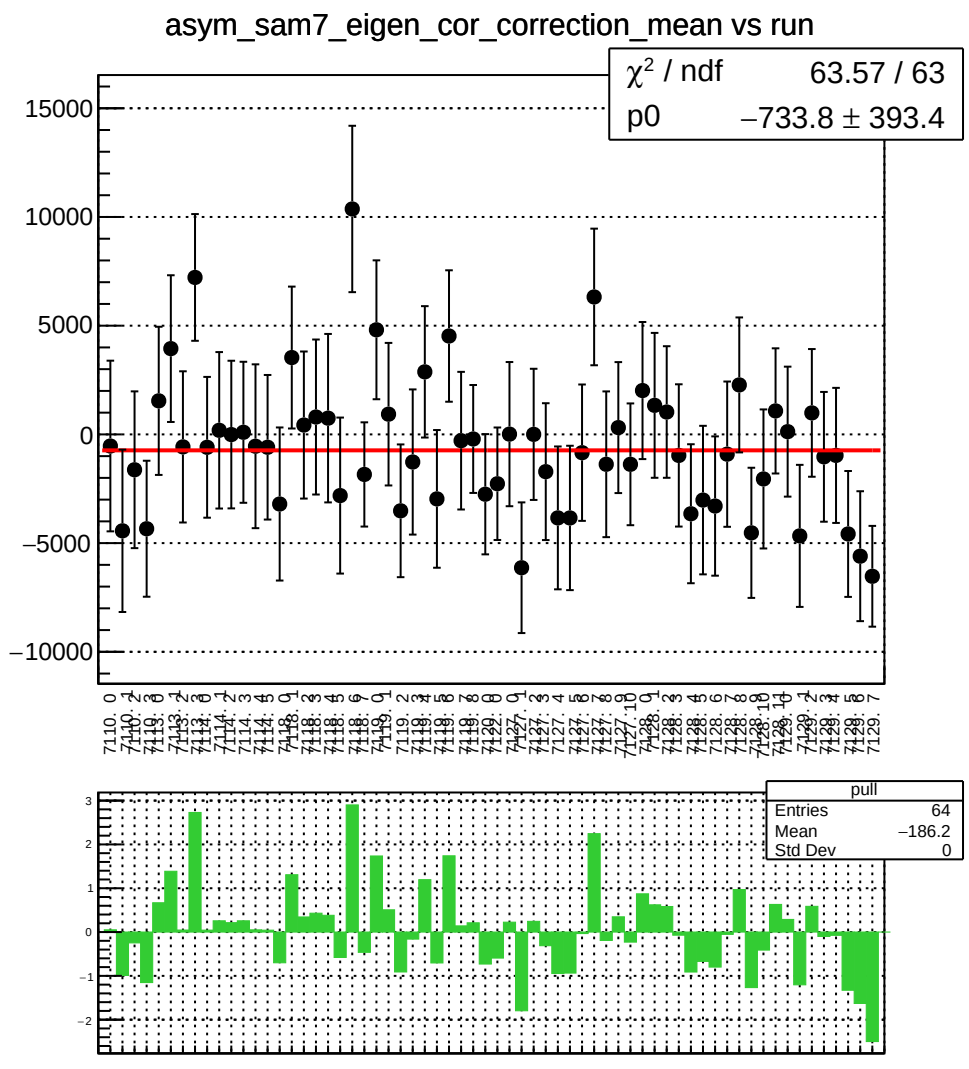

asym_sam7_cor_correction_mean vs run
χ² / ndf 63.57 / 63
p0 −733.8 ± 393.4
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −186.2
Std Dev 0
3
2
1
0
−1
−2

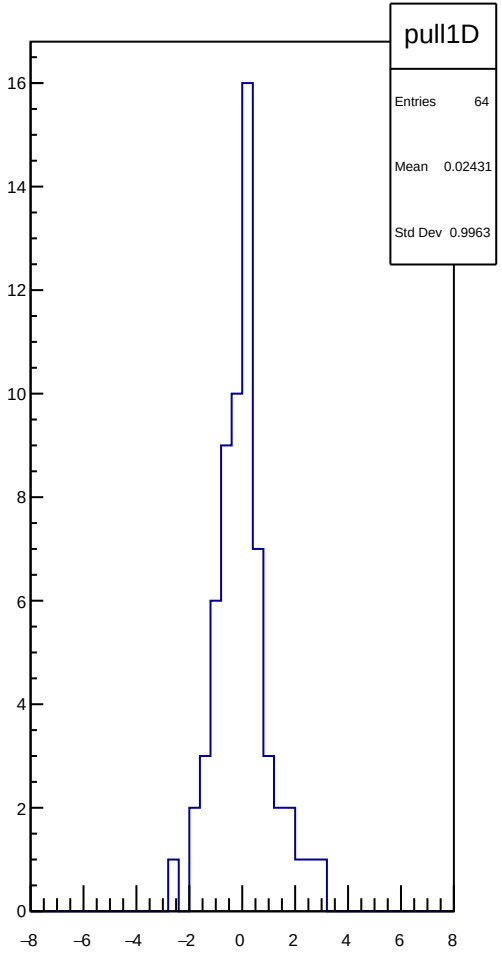

pull1D
Entries 64
Mean 0.02431
Std Dev 0.9963
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

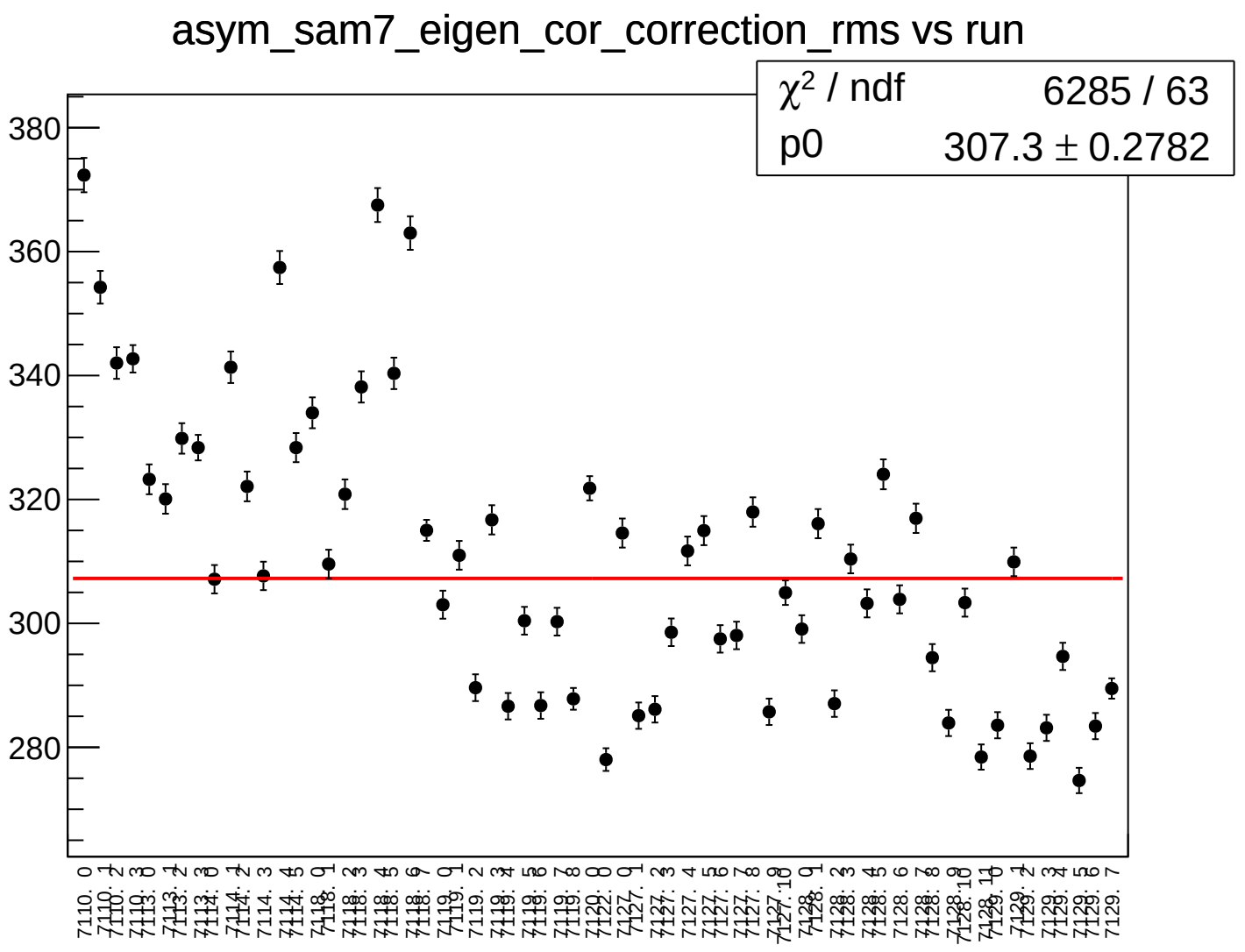

asym_sam7_cor_correction_rms vs run
χ² / ndf 6285 / 63
p0 307.3 ± 0.2782
380
360
340
320
300
280

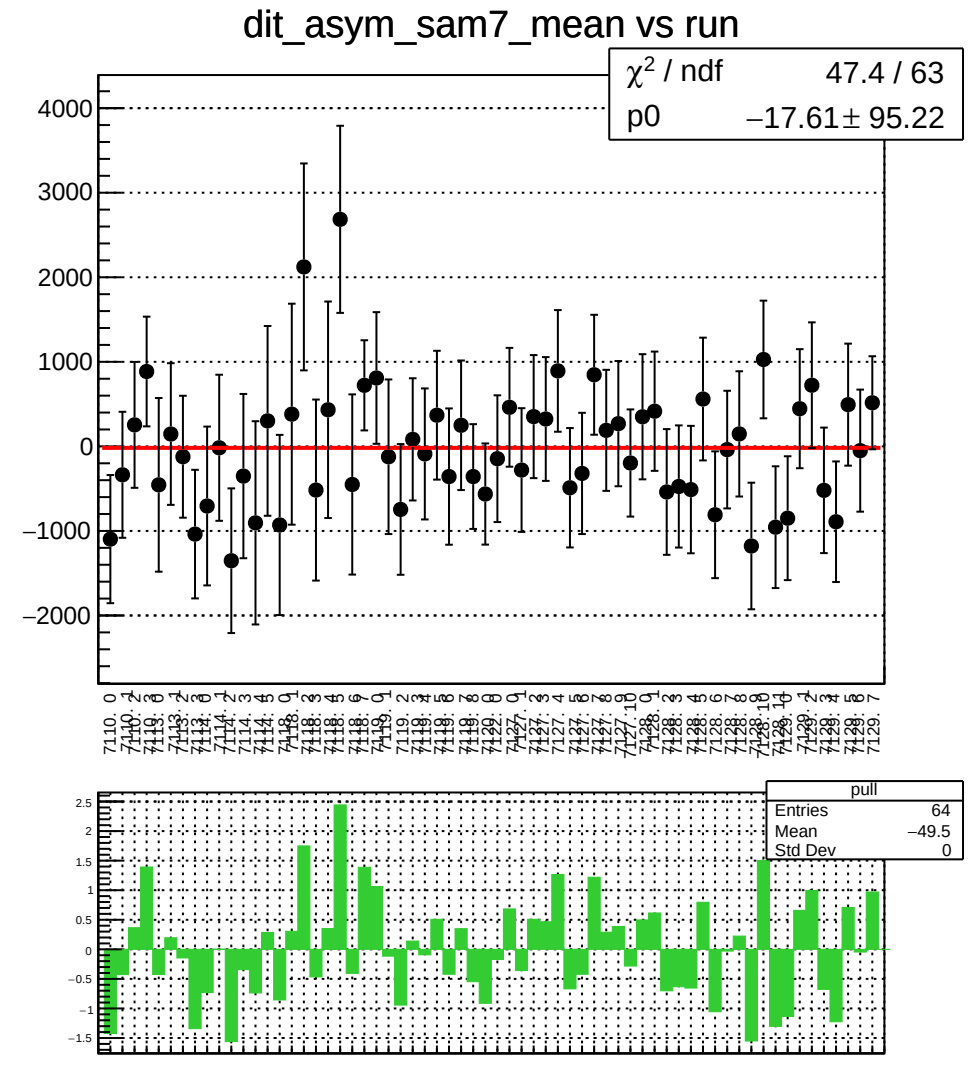

eigen_cor_asym_sam7_mean vs run
χ² / ndf 59.88 / 63
p0 32.62 ± 78.27
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −457.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.004771
Std Dev 0.9673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

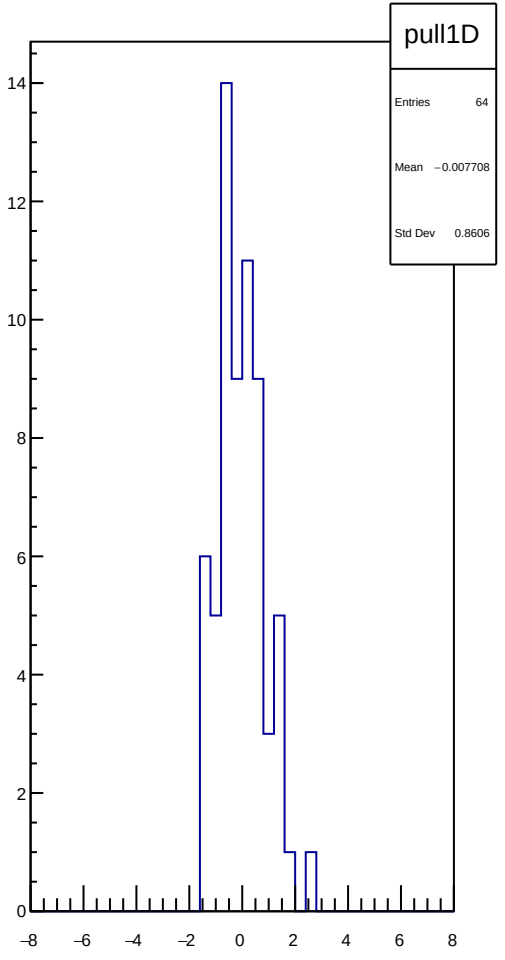

eigen_cor_asym_sam7_rms vs run
χ² / ndf 2321 / 63
p0 61.23 ± 0.05535
70
68
66
64
62
60
58

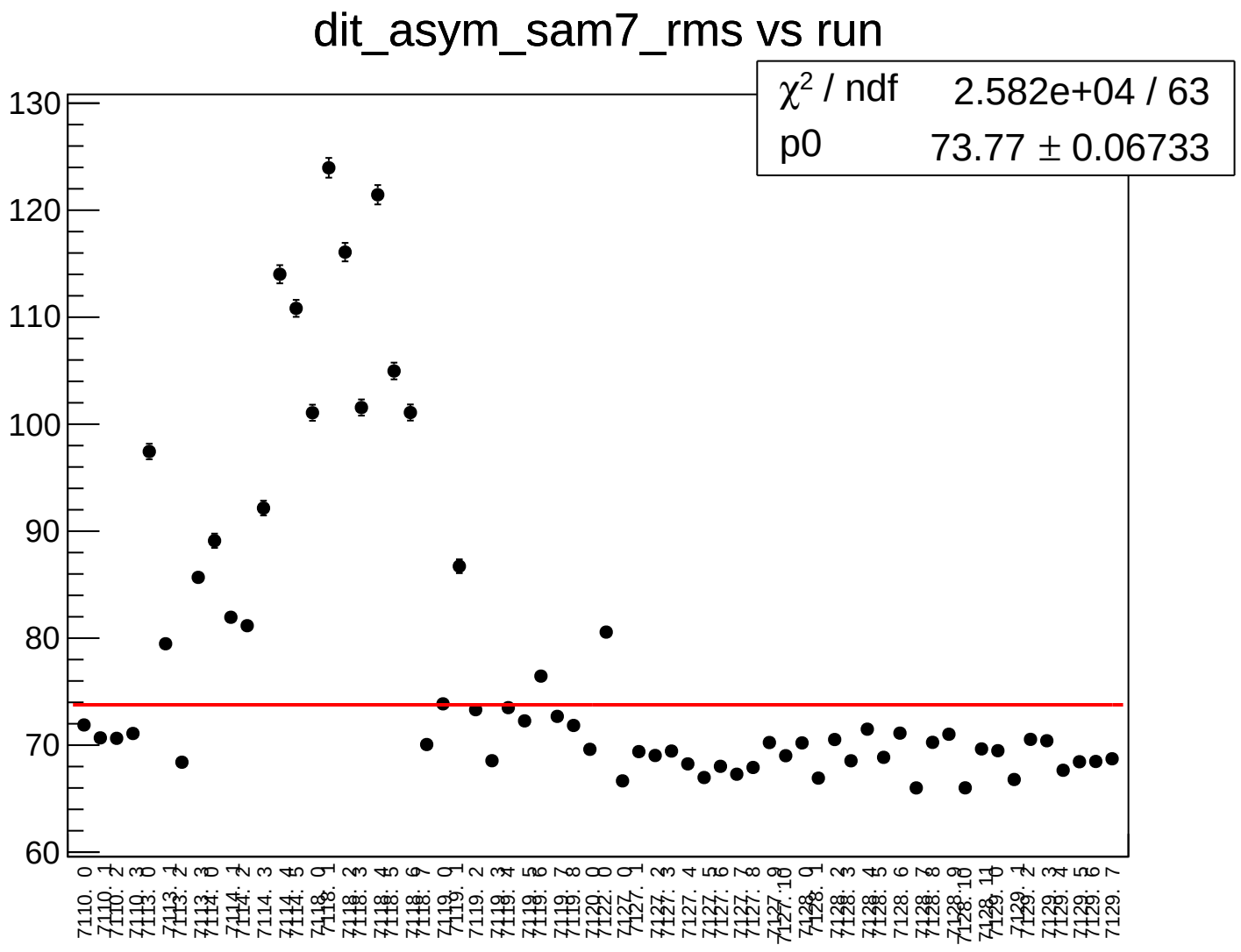

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 63.57 / 63
p0 −733.8 ± 393.4
pull
Entries 64
Mean −186.2
Std Dev 0

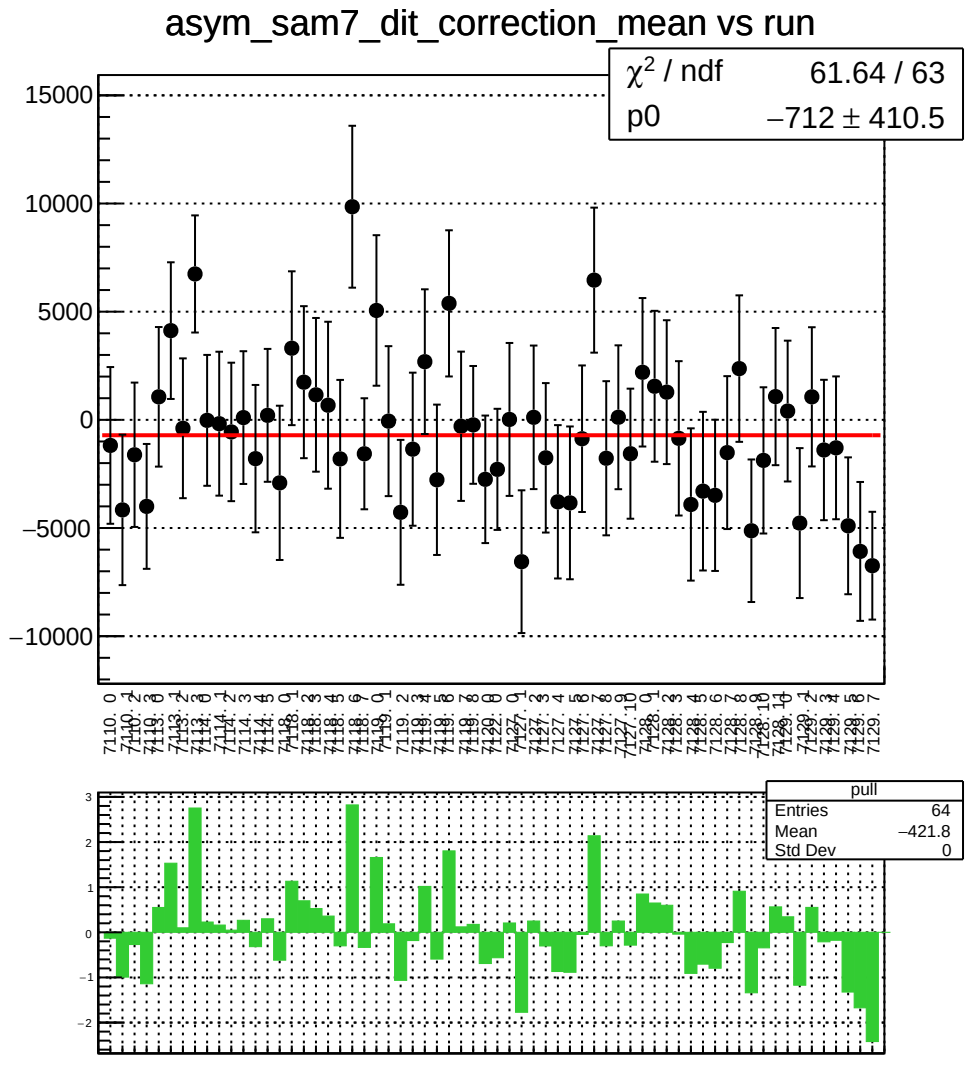

pull1D
Entries 64
Mean 0.02431
Std Dev 0.9963

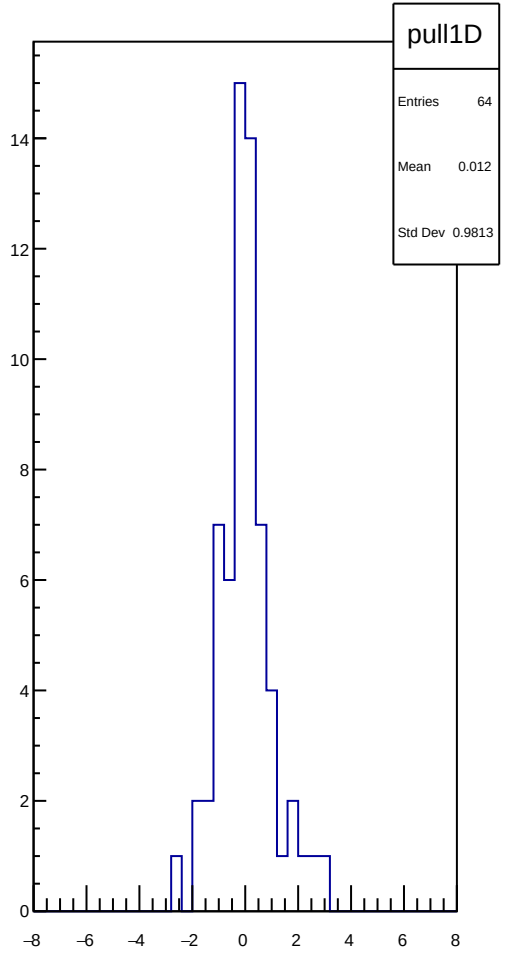

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 6285 / 63
p0 307.3 ± 0.2782
380
360
340
320
300
280

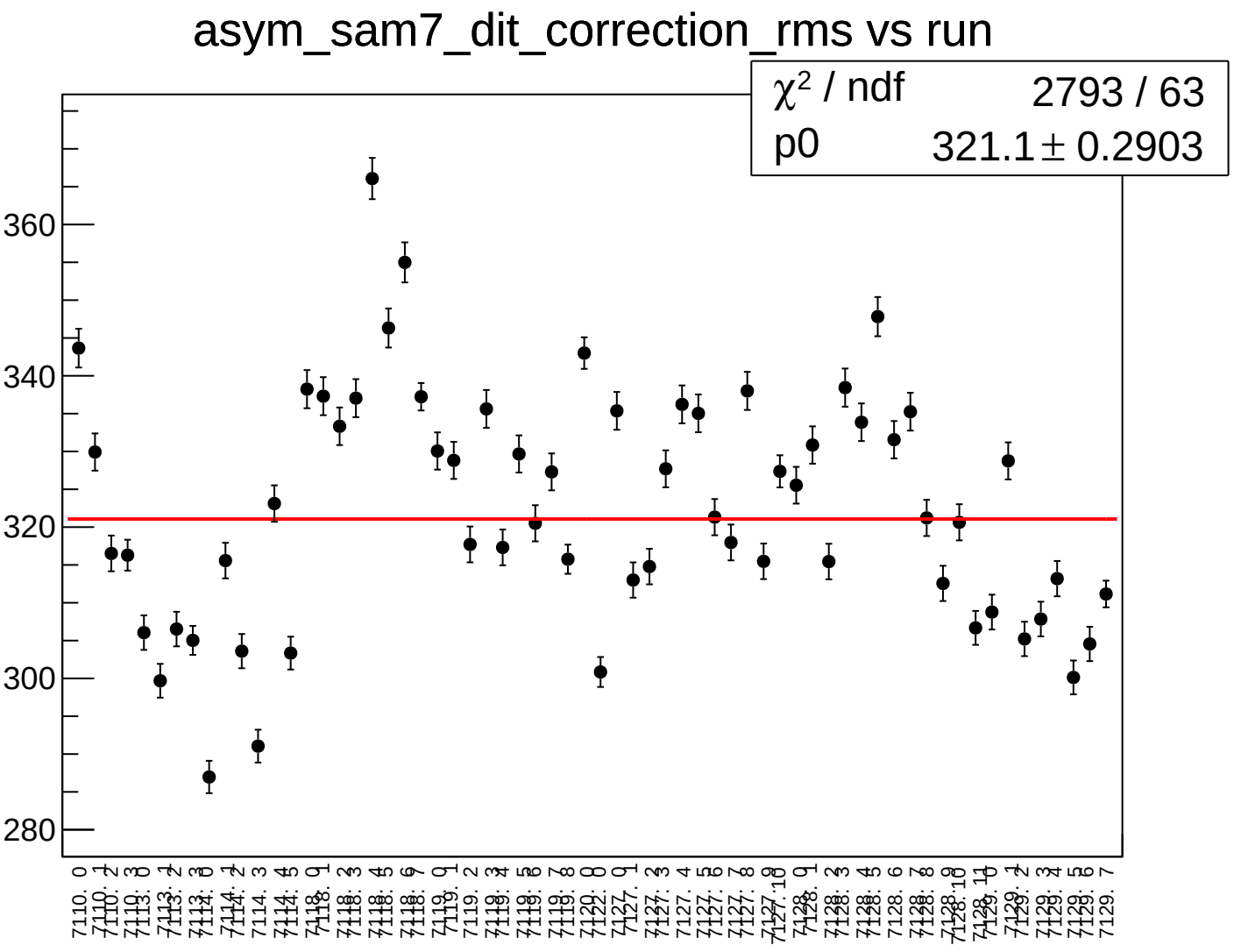

dit_asym_sam7_mean vs run
χ² / ndf 47.4 / 63
p0 −17.61 ± 95.22
pull
Entries 64
Mean −49.5
Std Dev 0

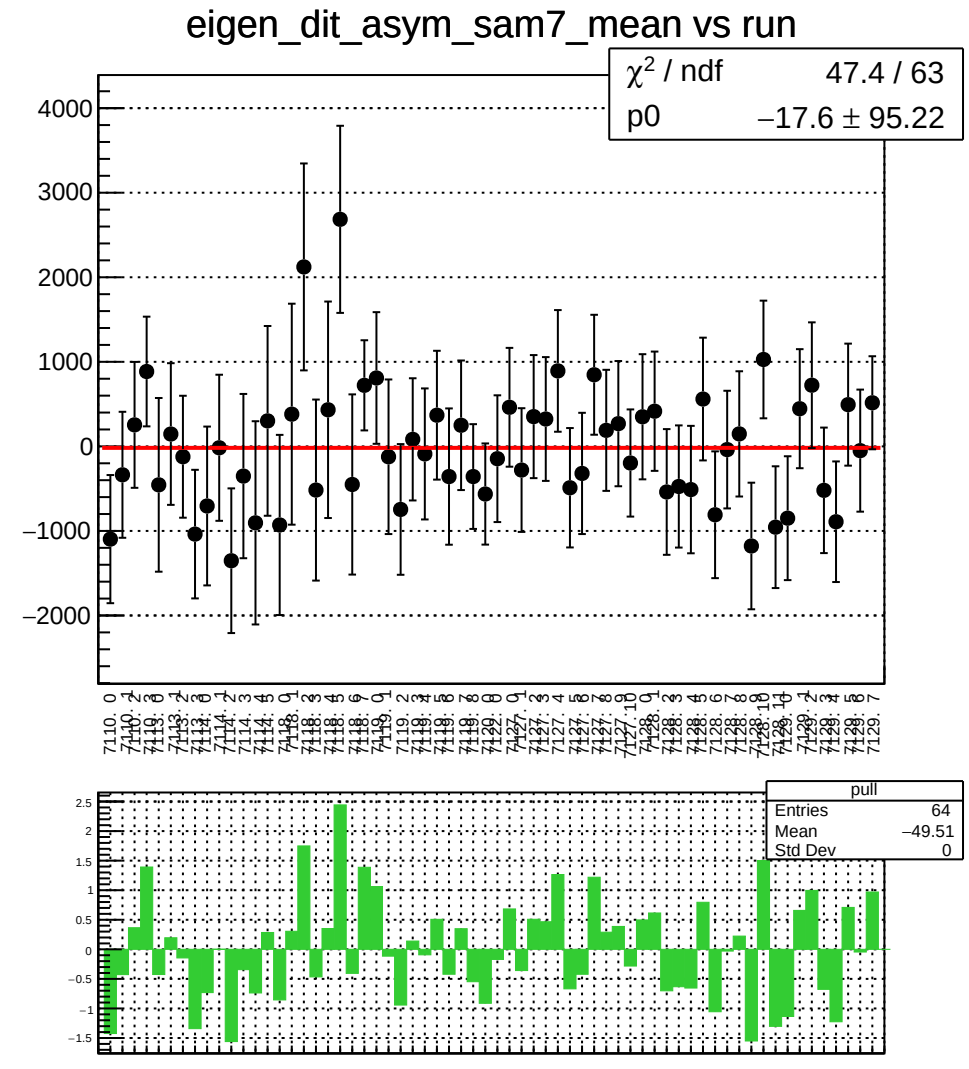

pull1D
Entries 64
Mean −0.007708
Std Dev 0.8606

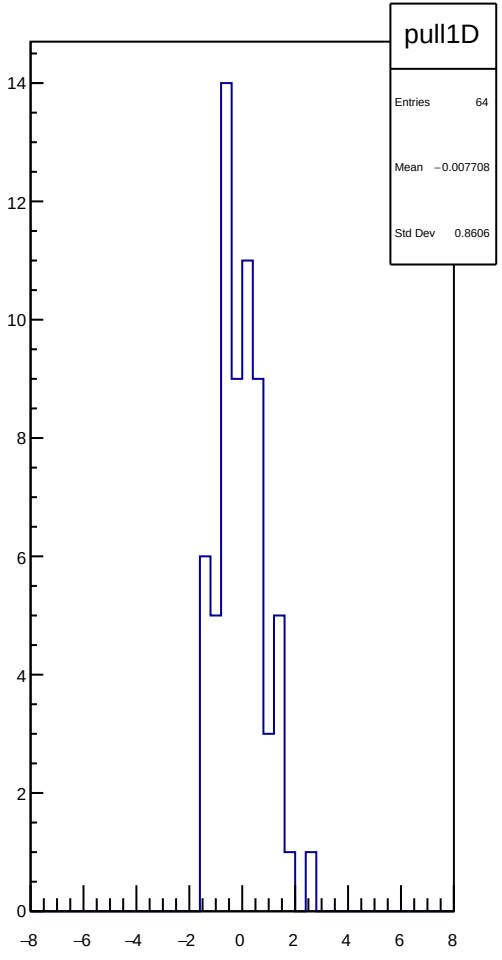

dit_asym_sam7_rms vs run
χ^2 / ndf 2.582e+04 / 63
p0 73.77 ± 0.06733
130
120
110
100
90
80
70
60

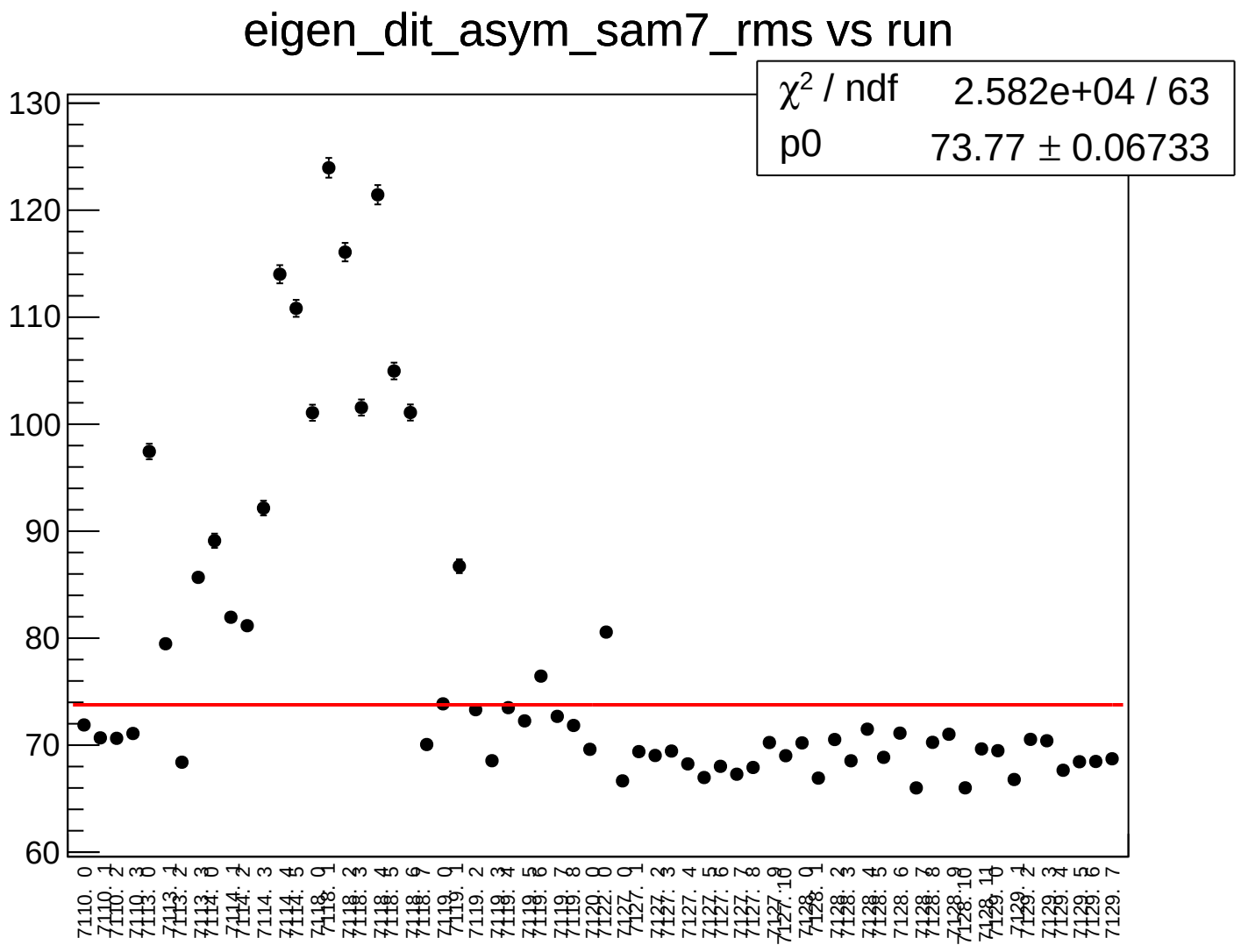

asym_sam7_dit_correction_mean vs run
χ² / ndf 61.64 / 63
p0 −712 ± 410.5
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −421.8
Std Dev 0

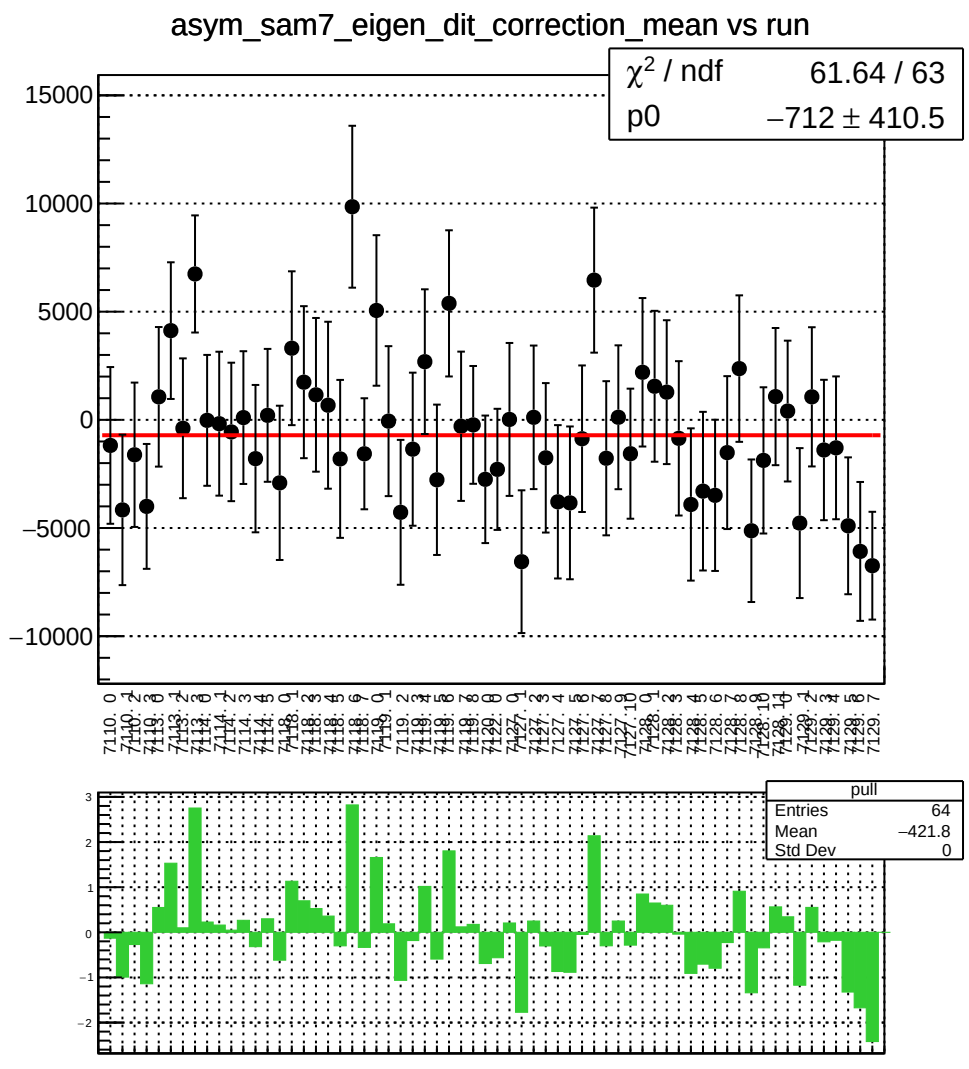

pull1D
Entries 64
Mean 0.012
Std Dev 0.9813
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

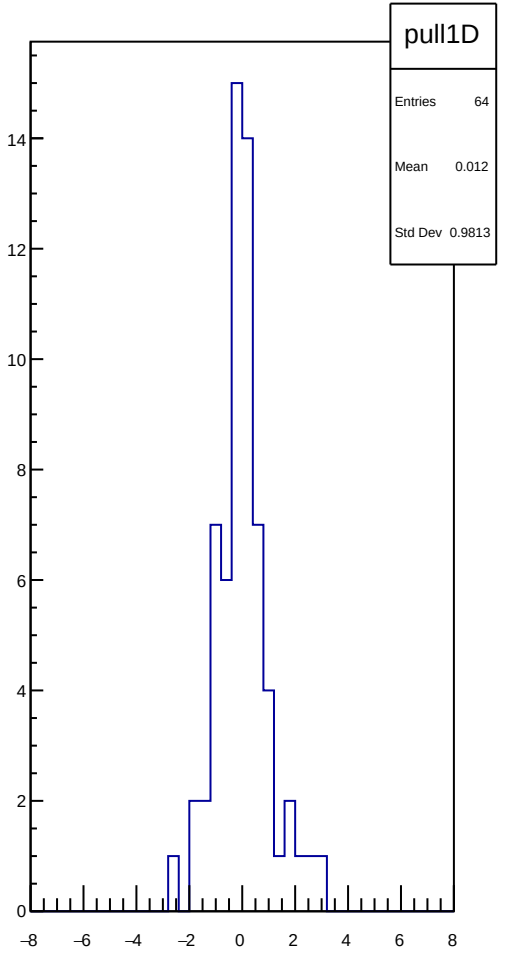

asym_sam7_dit_correction_rms vs run
χ² / ndf 2793 / 63
p0 321.1 ± 0.2903
360
340
320
300
280

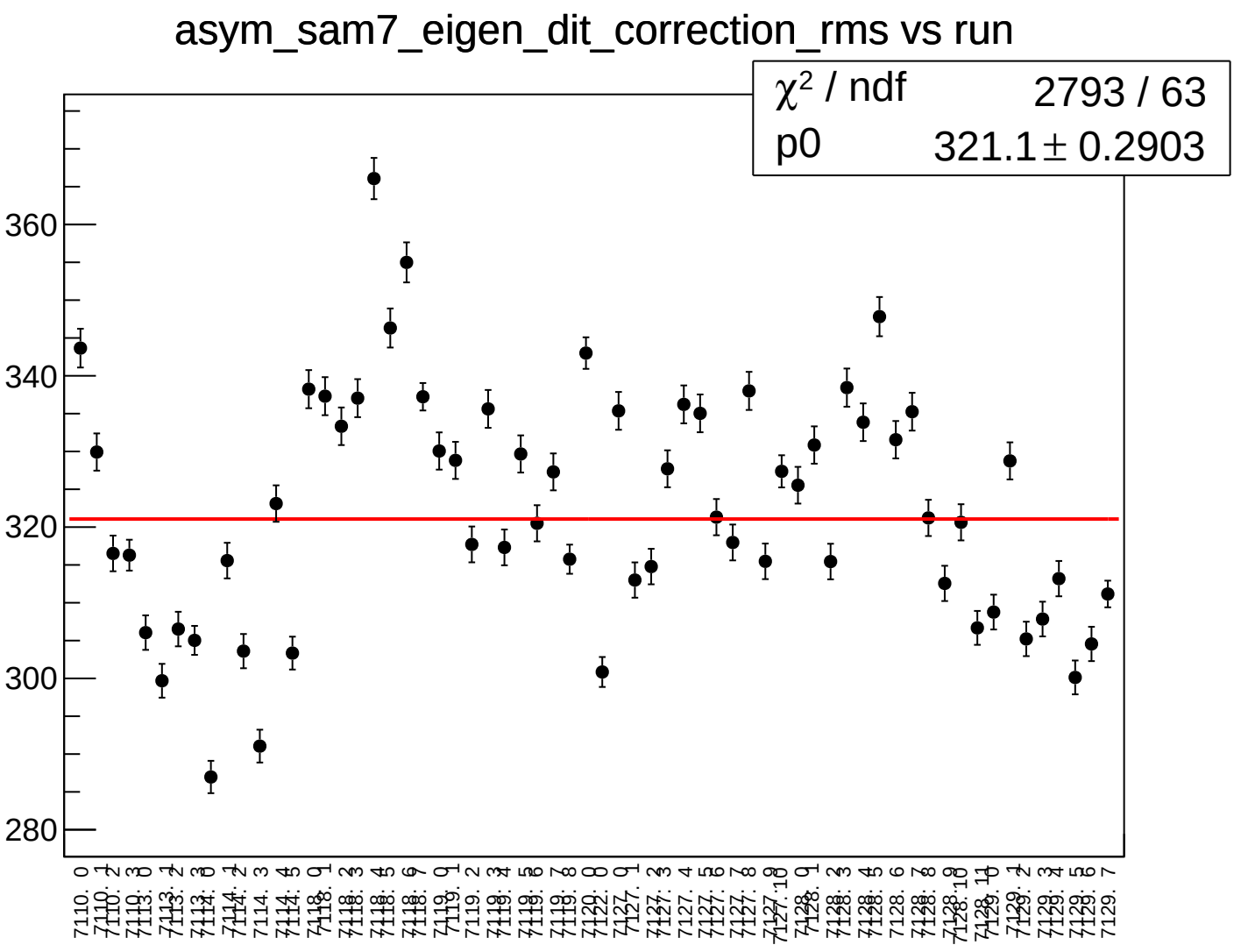

eigen_dit_asym_sam7_mean vs run
χ² / ndf 47.4 / 63
p0 −17.6 ± 95.22
pull
Entries 64
Mean −49.51
Std Dev 0

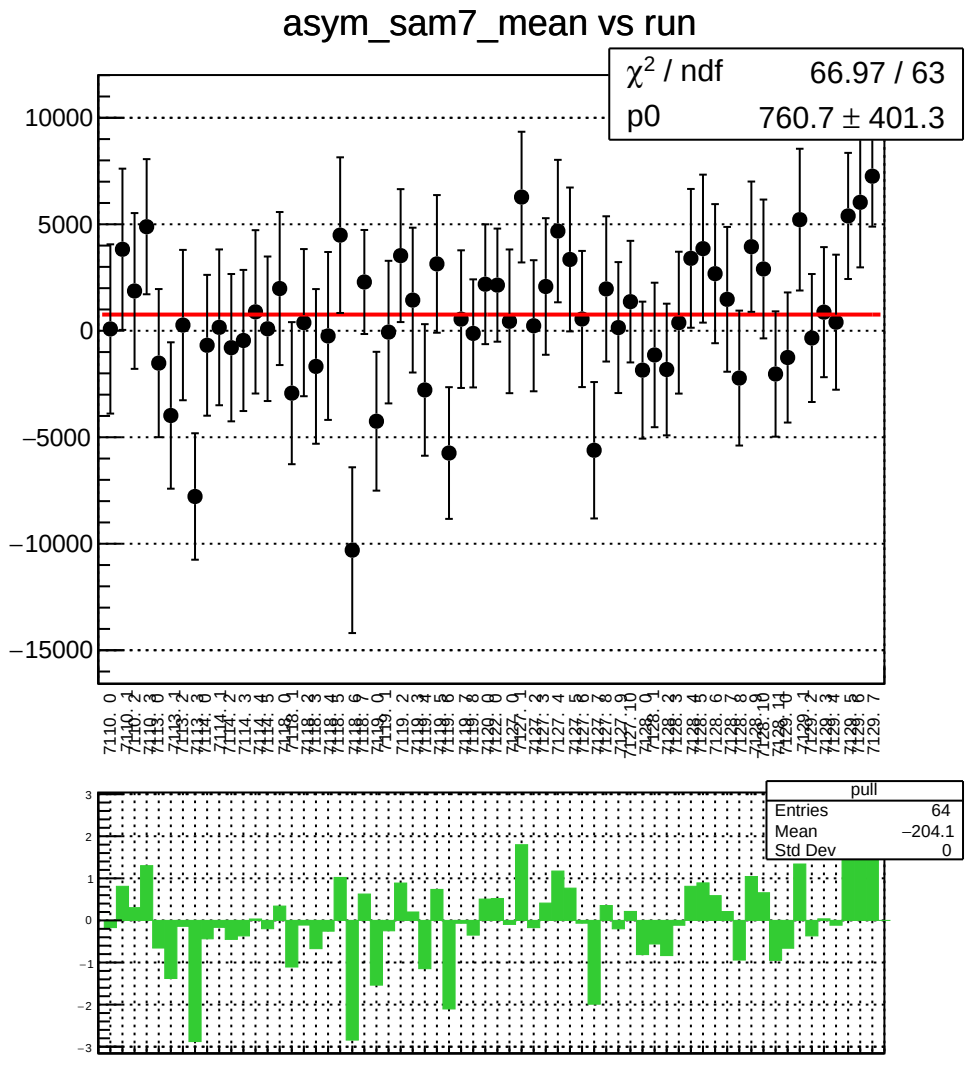

pull1D
Entries 64
Mean −0.007708
Std Dev 0.8606

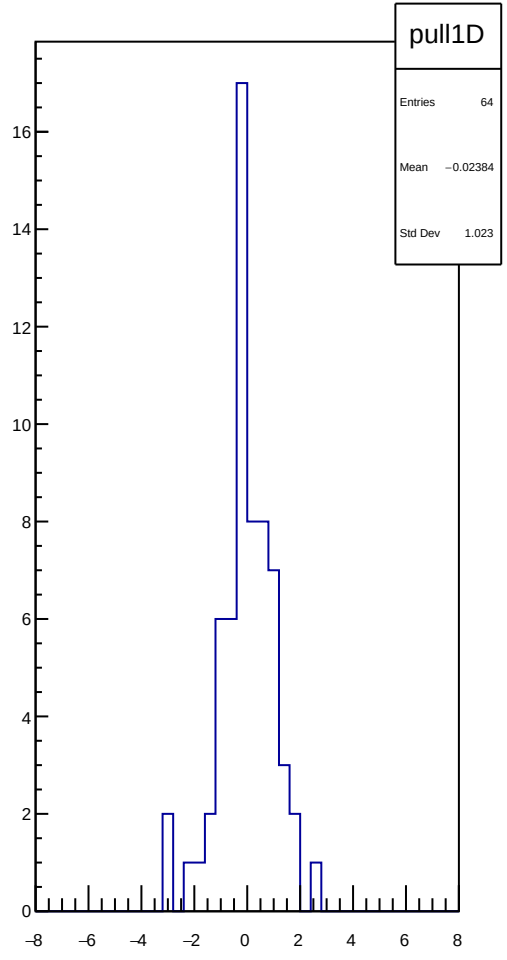

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 2.582e+04 / 63
p0 73.77 ± 0.06733
130
120
110
100
90
80
70
60

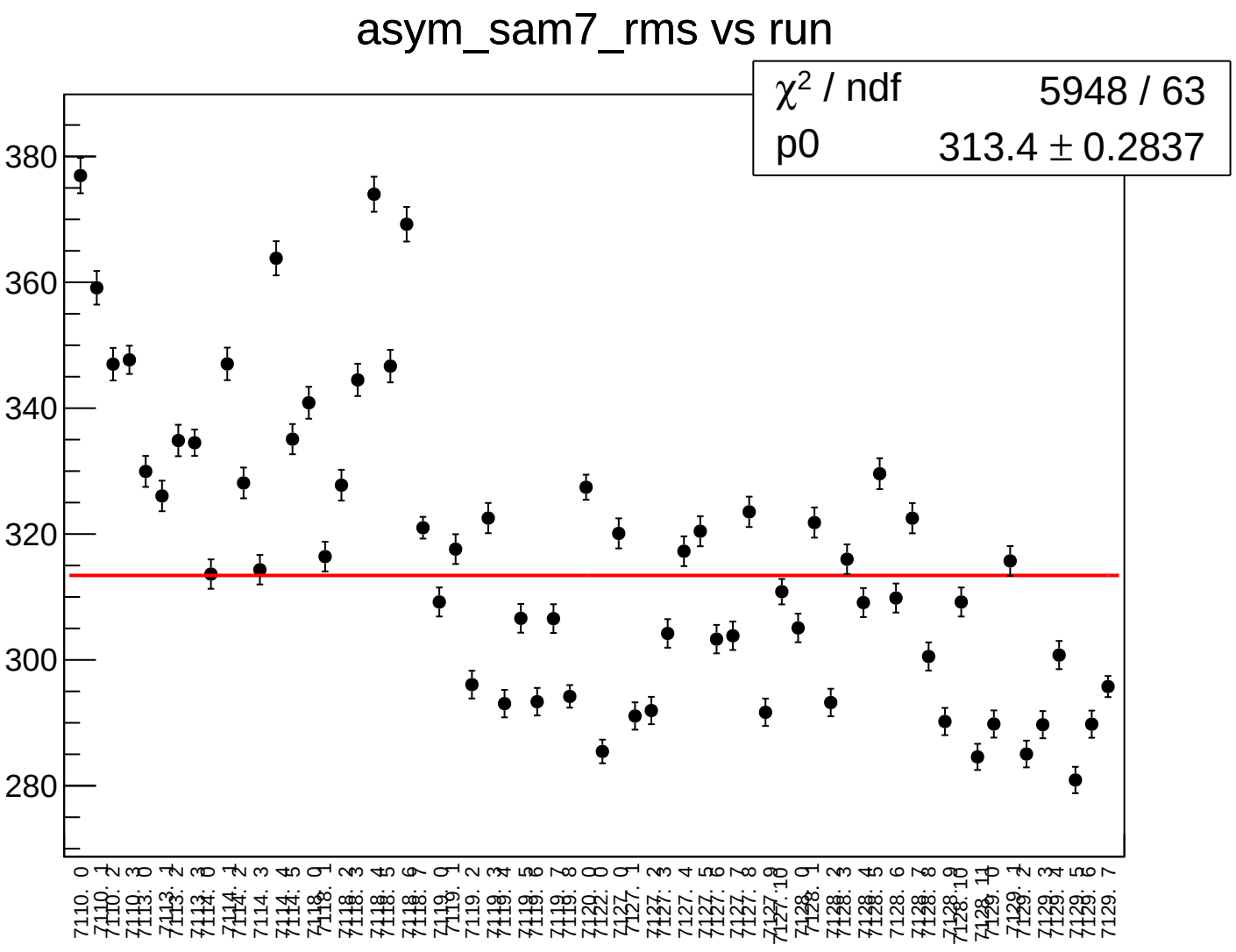

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 61.64 / 63
p0 −712 ± 410.5
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −421.8
Std Dev 0

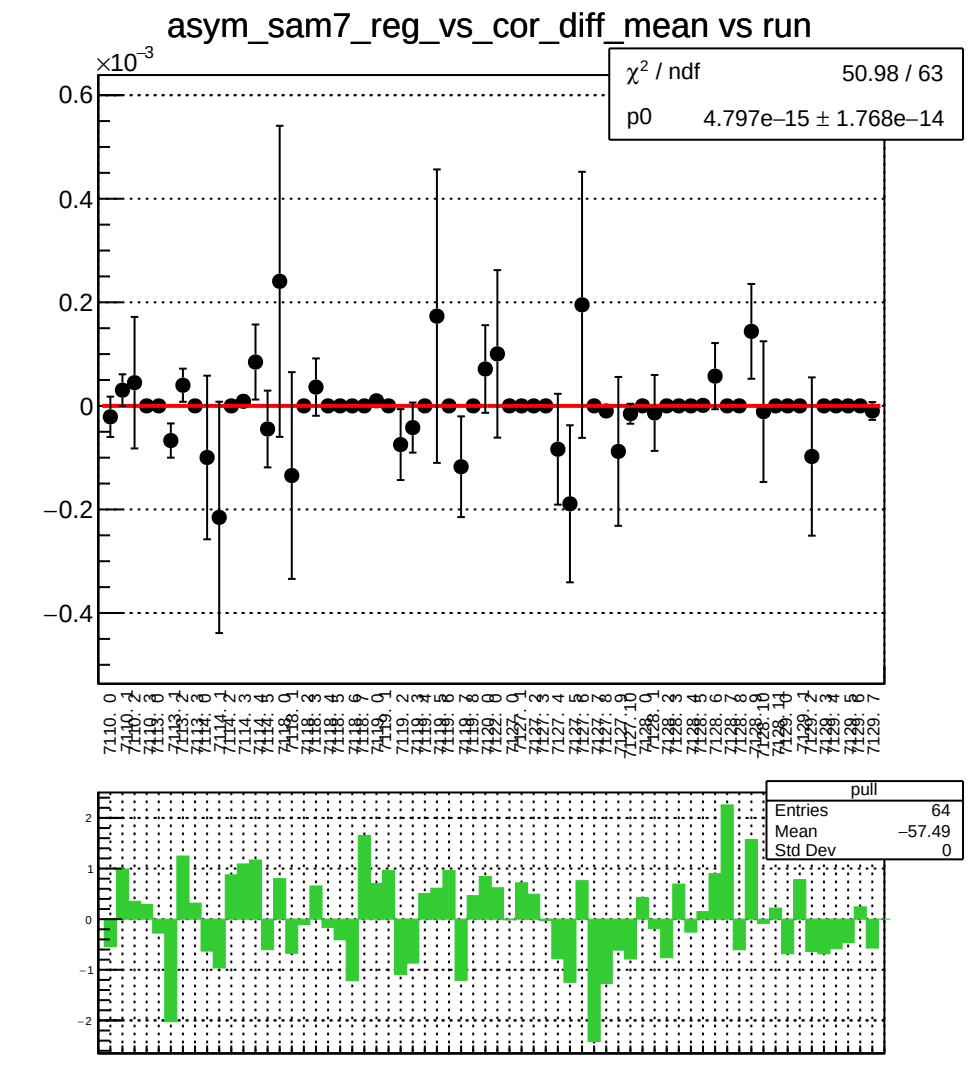

pull1D
Entries 64
Mean 0.012
Std Dev 0.9813
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

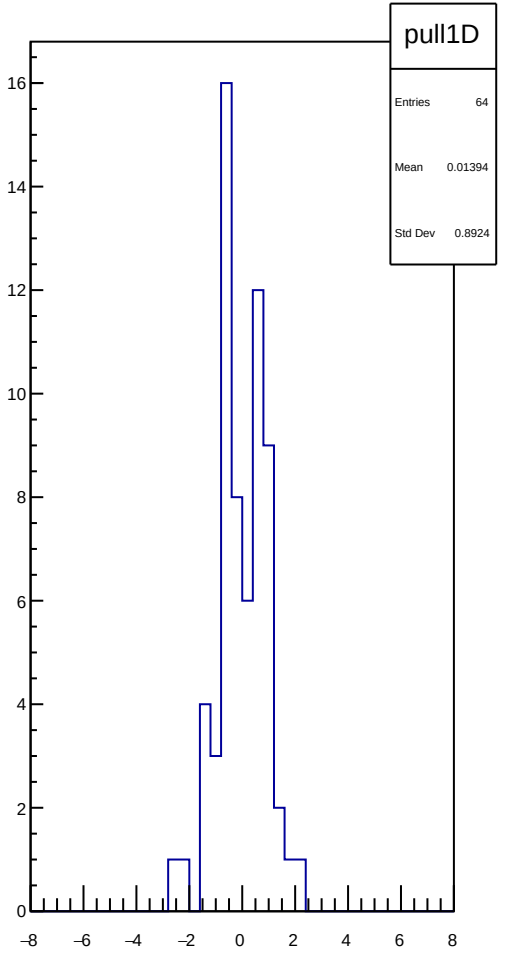

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 2793 / 63
p0 321.1 ± 0.2903
360
340
320
300
280

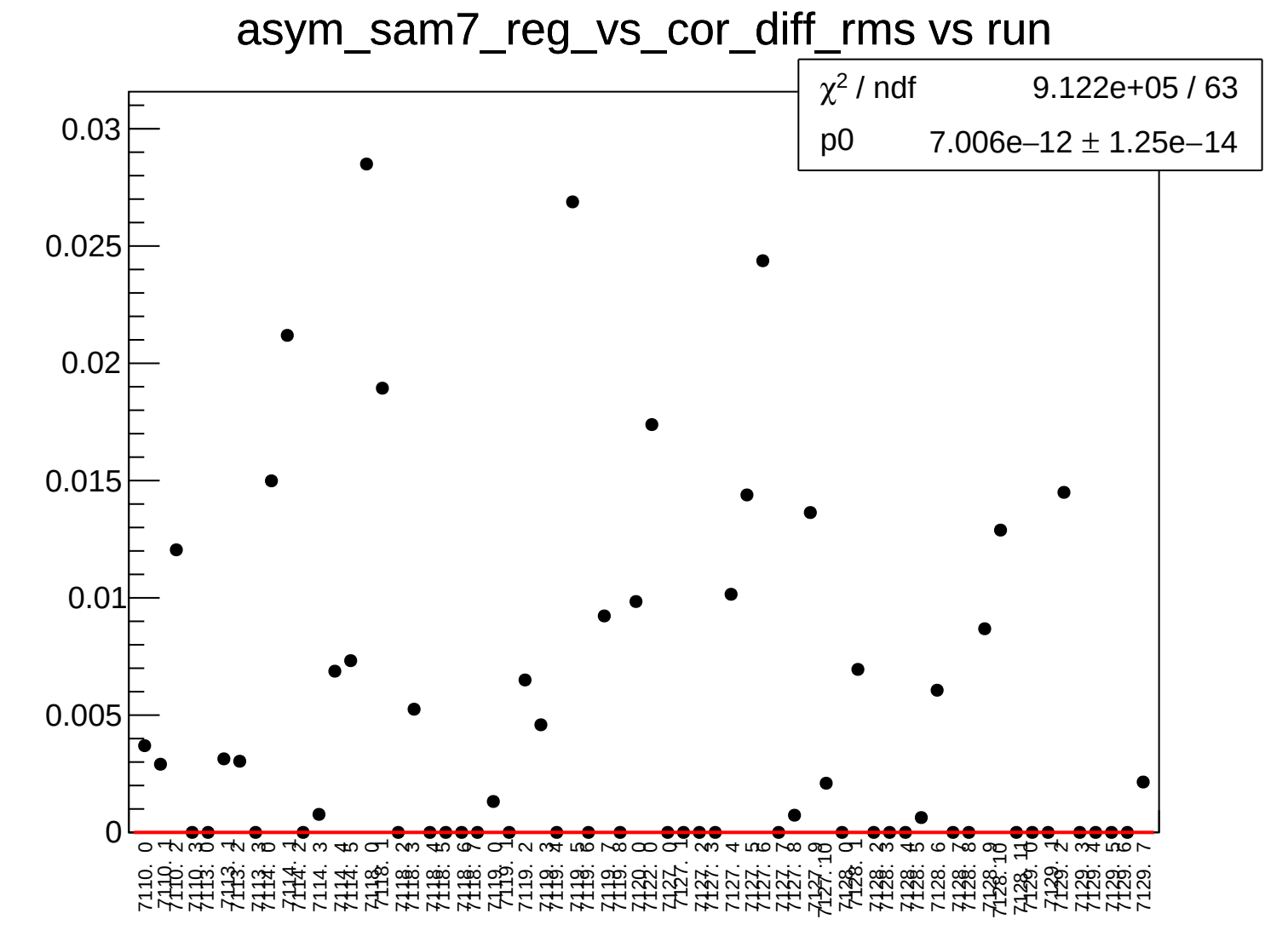

asym_sam7_mean vs run
χ^2 / ndf 66.97 / 63
p0 760.7 ± 401.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −204.1
Std Dev 0
3
2
1
0
−1
−2
−3

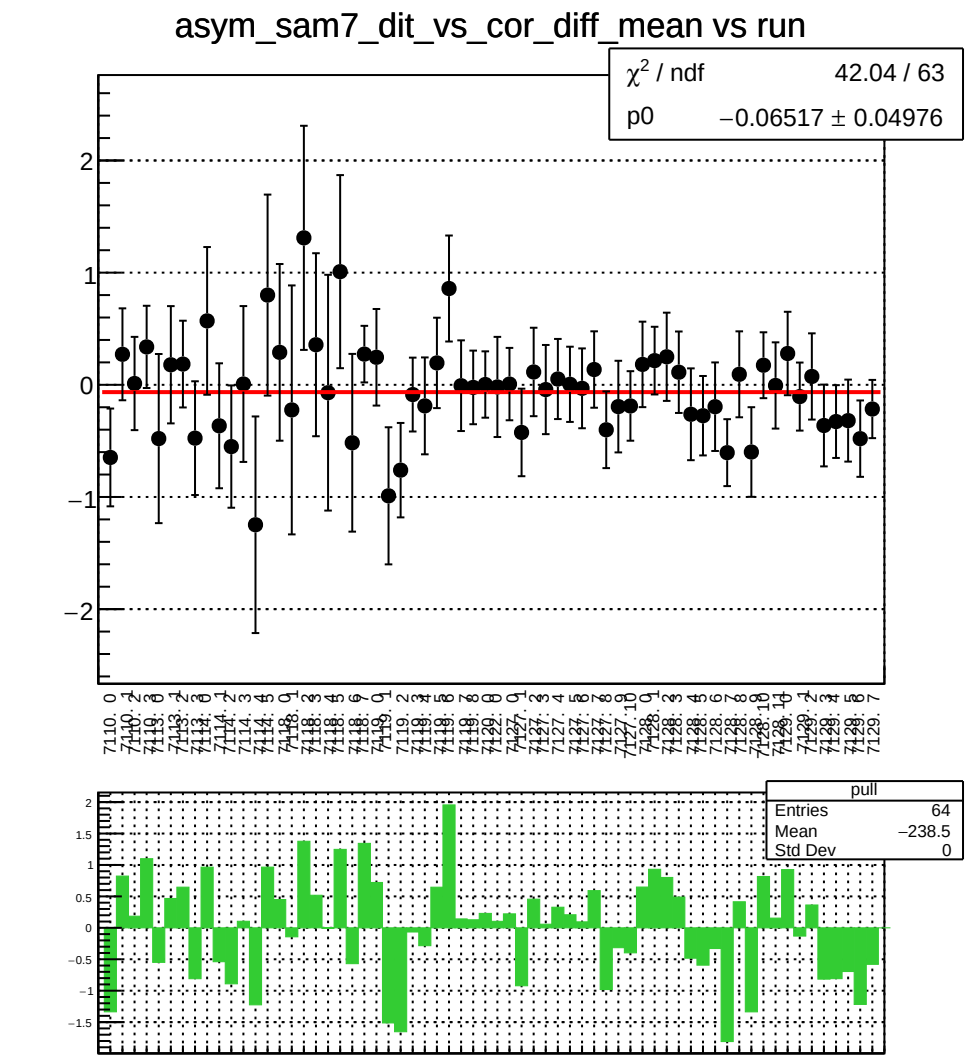

pull1D
Entries 64
Mean −0.02384
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

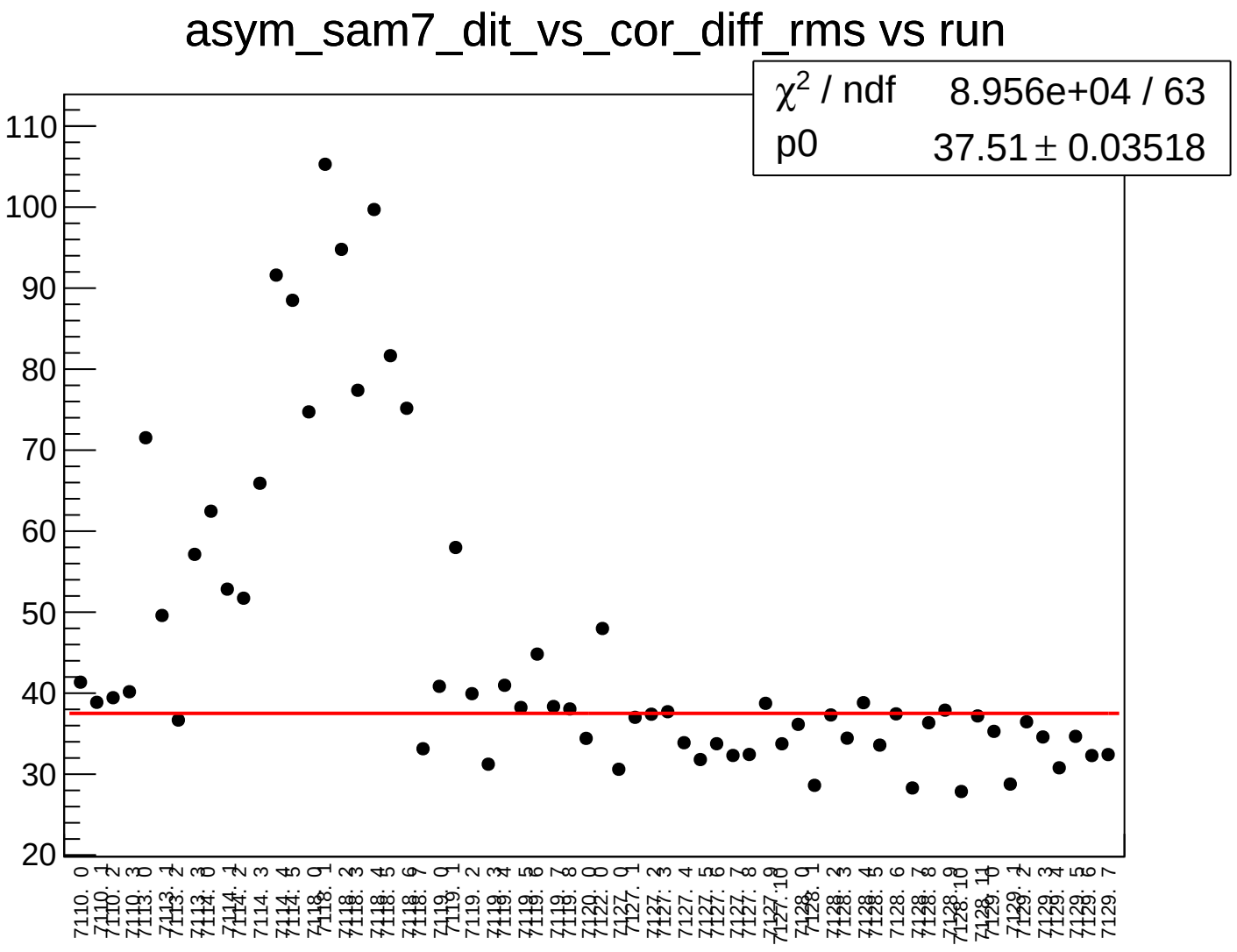

asym_sam7_rms vs run
χ² / ndf 5948 / 63
p0 313.4 ± 0.2837
380
360
340
320
300
280

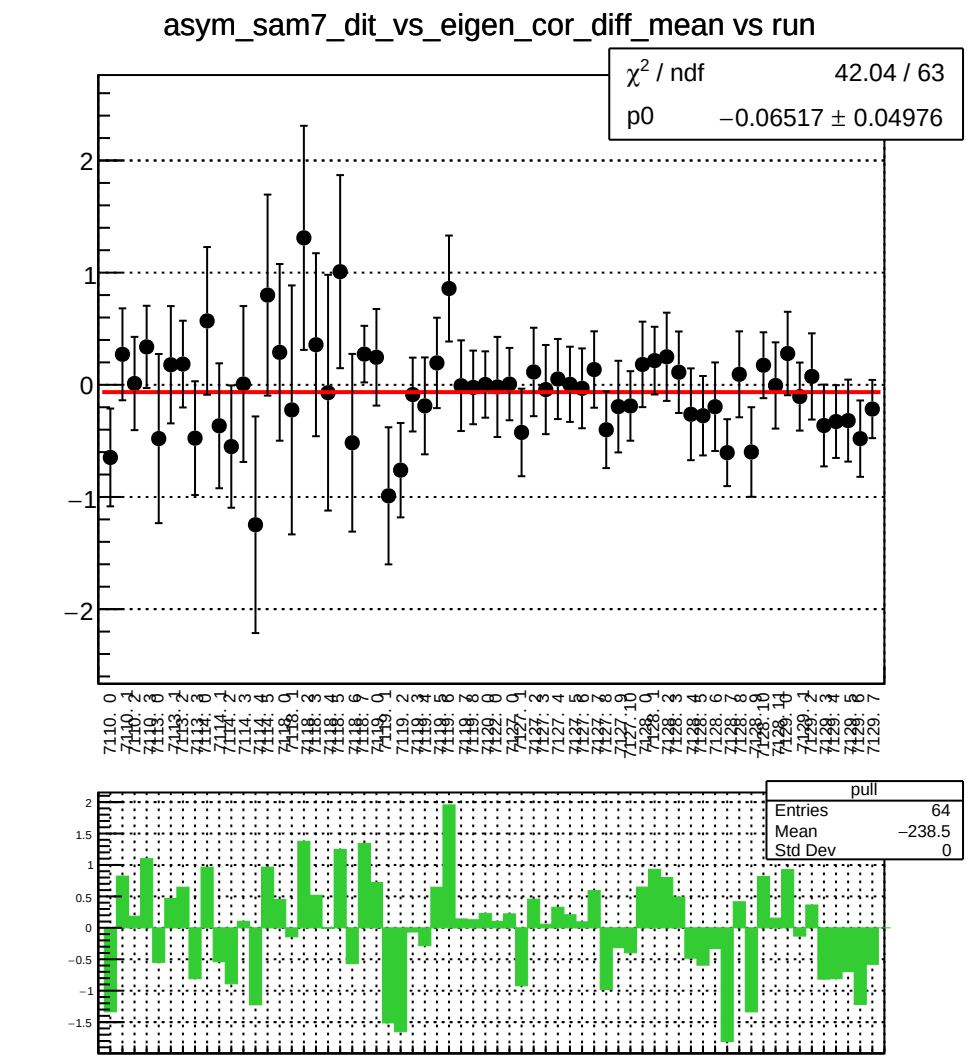

asym_sam7_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 50.98 / 63
p0 4.797e−15 ± 1.768e−14
pull
Entries 64
Mean −57.49
Std Dev 0

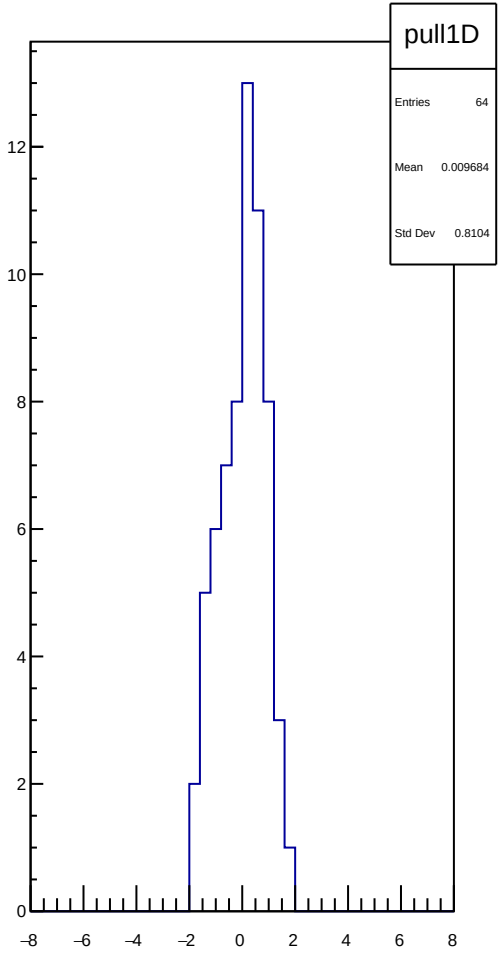

pull1D
Entries 64
Mean 0.01394
Std Dev 0.8924

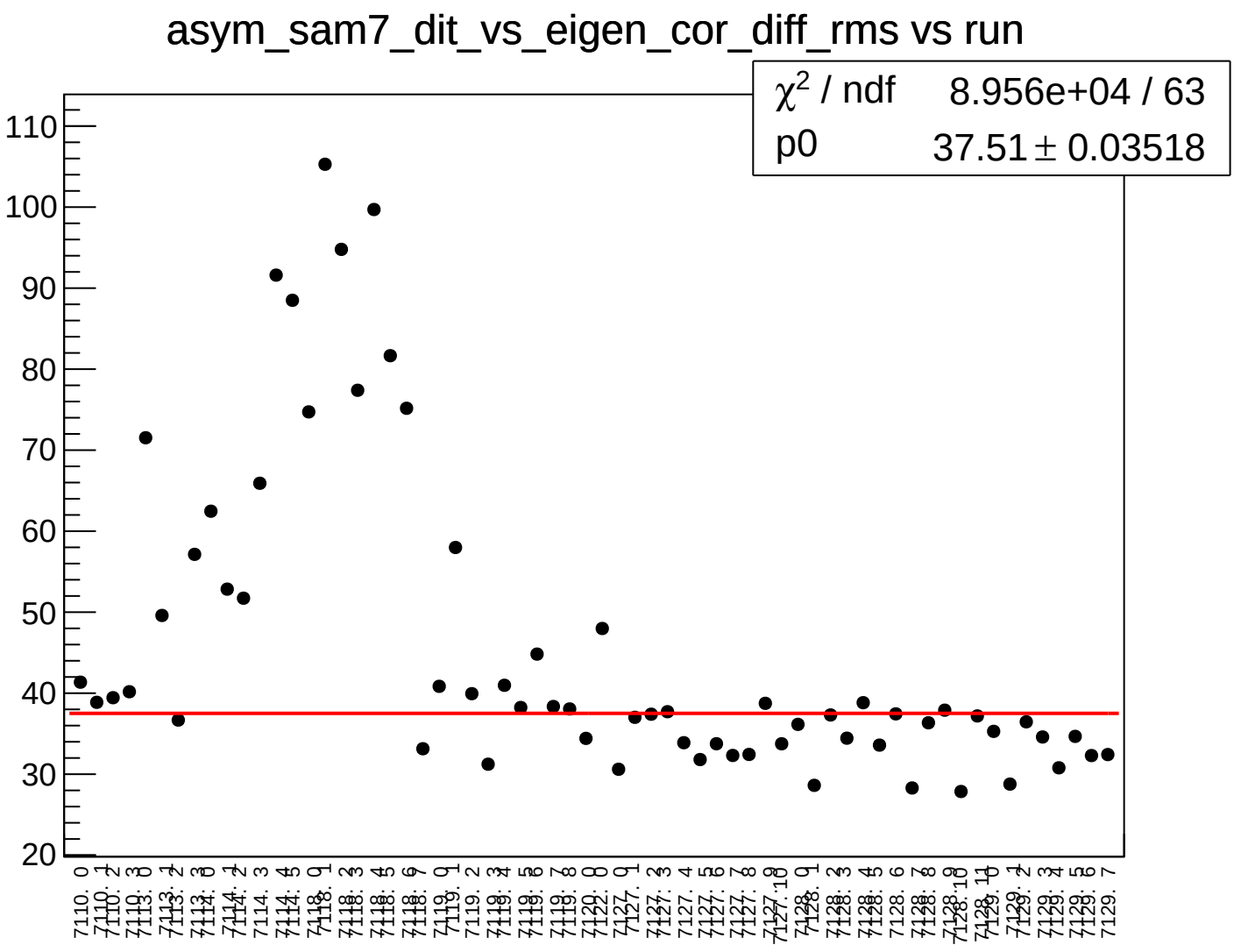

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 9.122e+05 / 63
p0 7.006e−12 ± 1.25e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

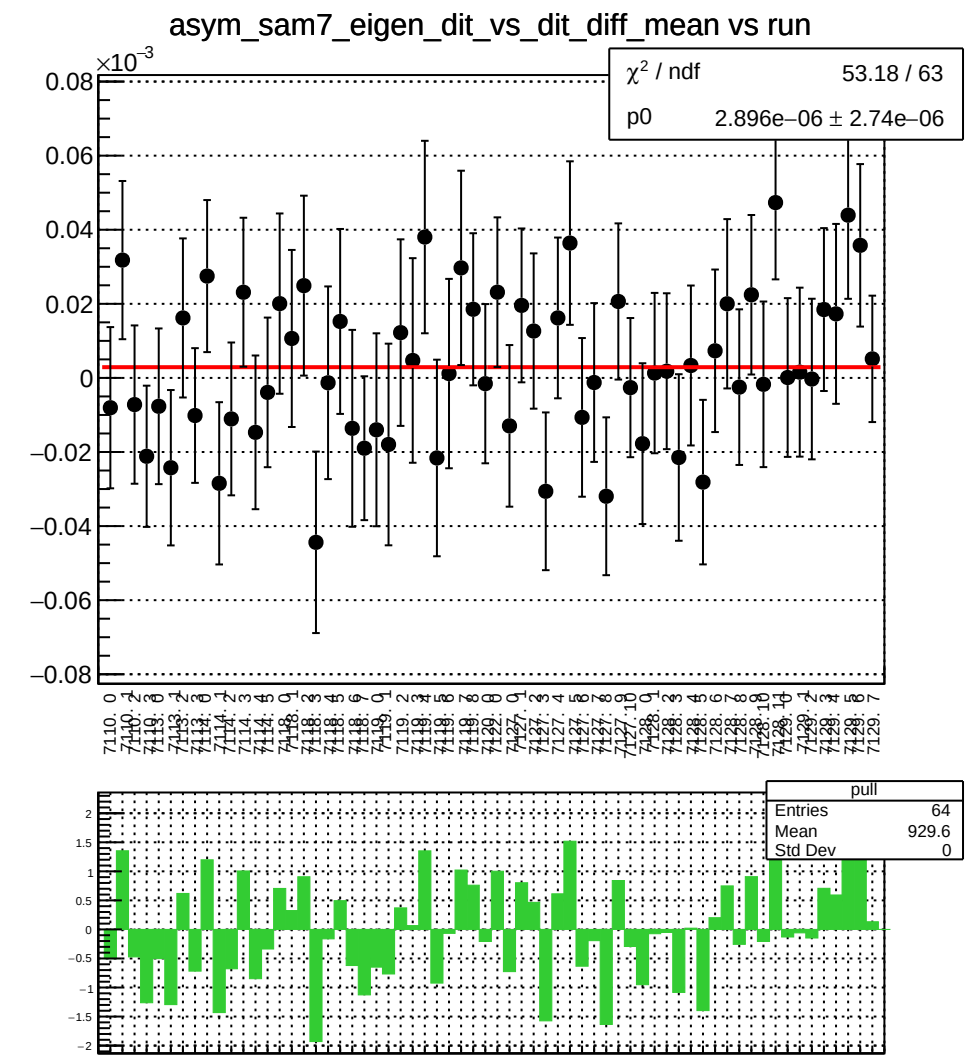

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 42.04 / 63
p0 −0.06517 ± 0.04976
pull
Entries 64
Mean −238.5
Std Dev 0
pull1D
Entries 64
Mean 0.009684
Std Dev 0.8104

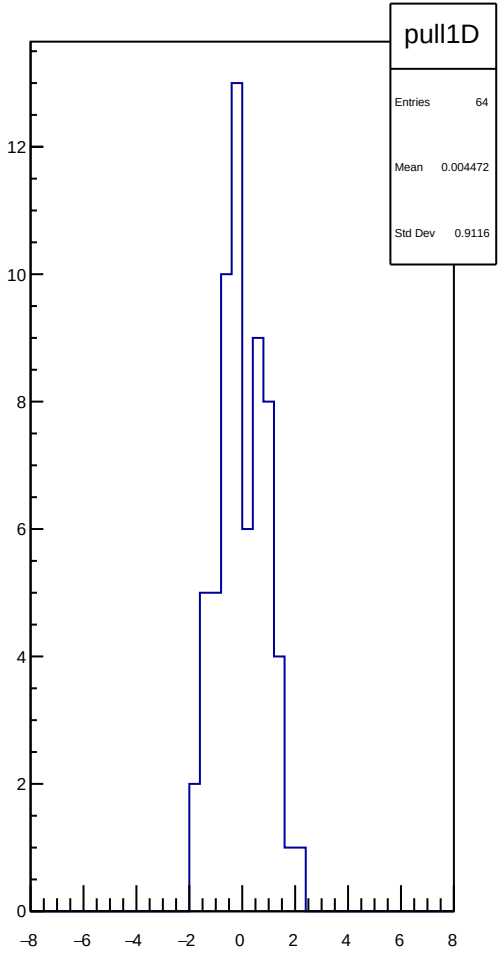

asym_sam7_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.956e+04 / 63
p0 37.51 ± 0.03518
110
100
90
80
70
60
50
40
30
20

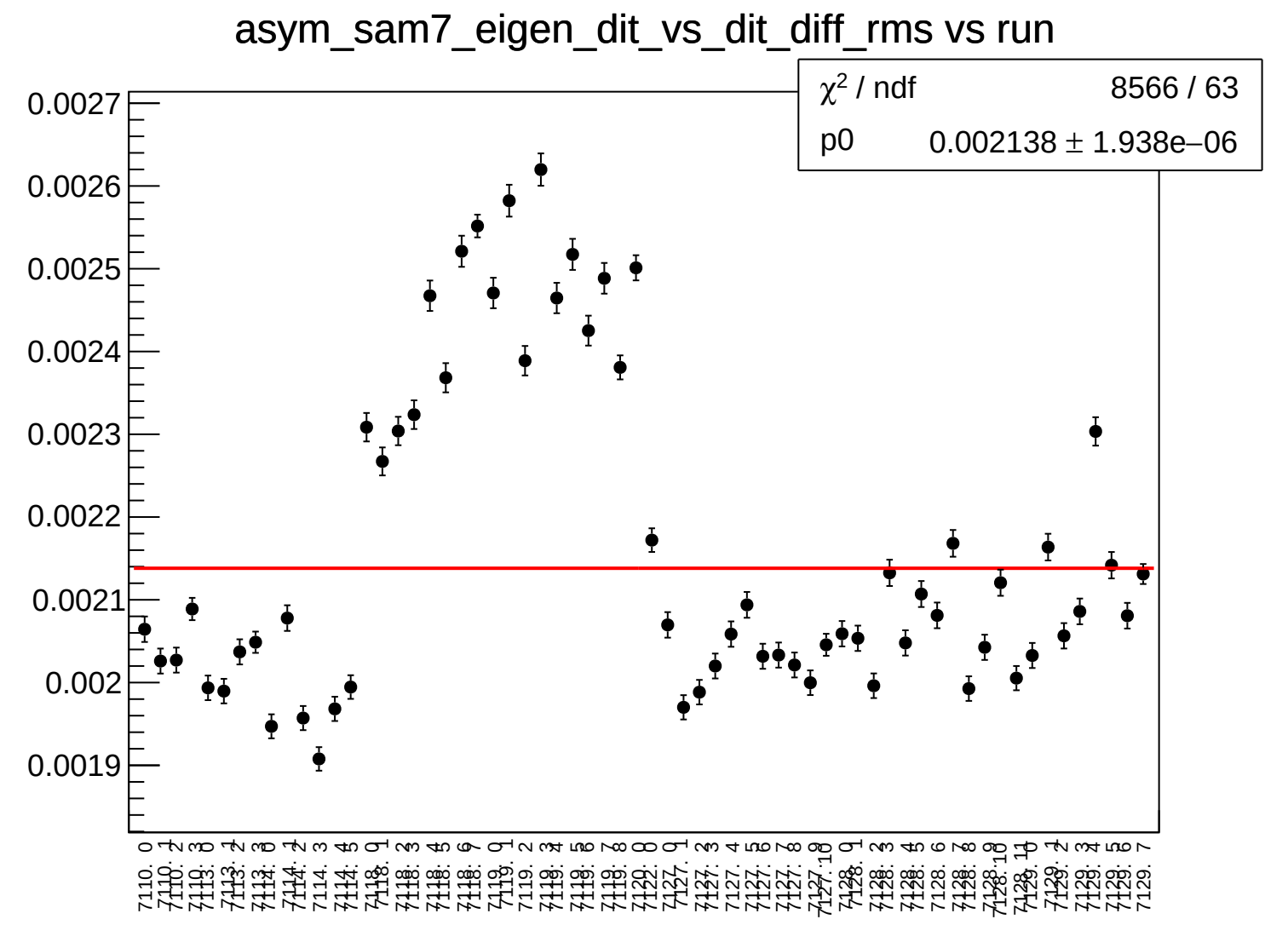

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.04 / 63
p0 −0.06517 ± 0.04976
pull
Entries 64
Mean −238.5
Std Dev 0

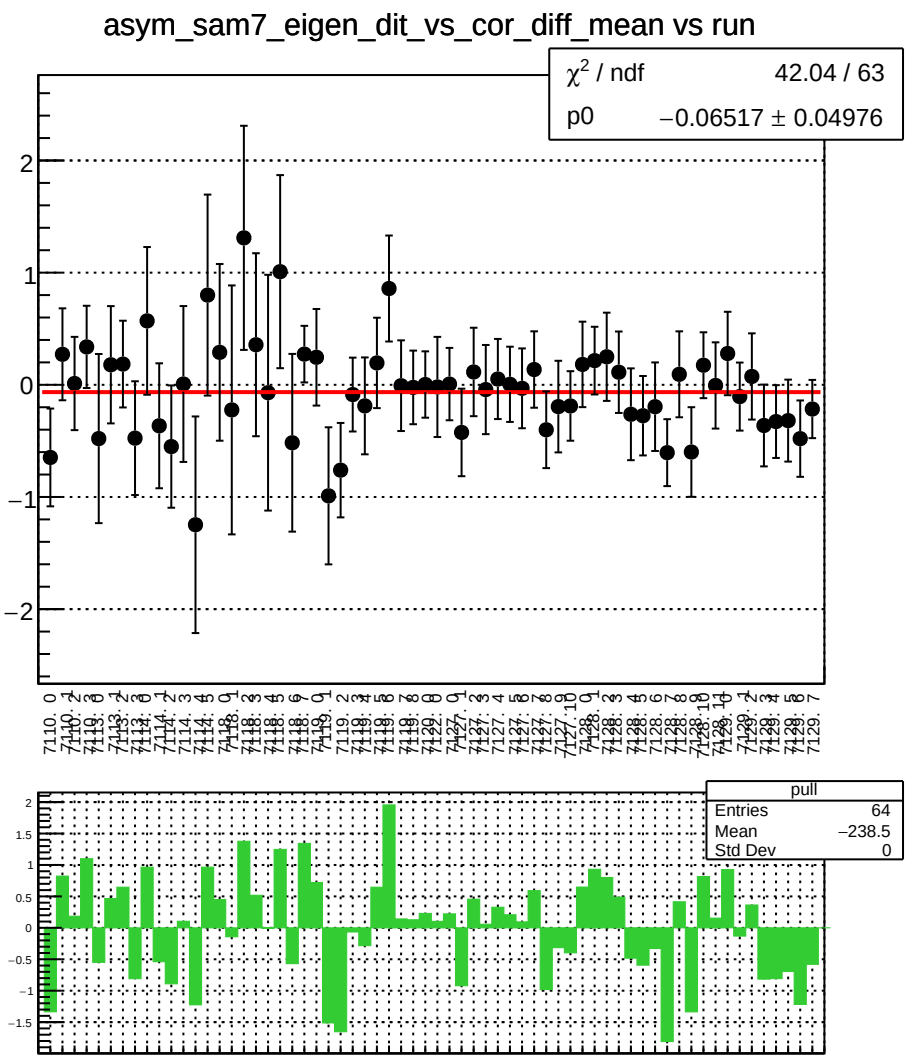

pull1D
Entries 64
Mean 0.009684
Std Dev 0.8104

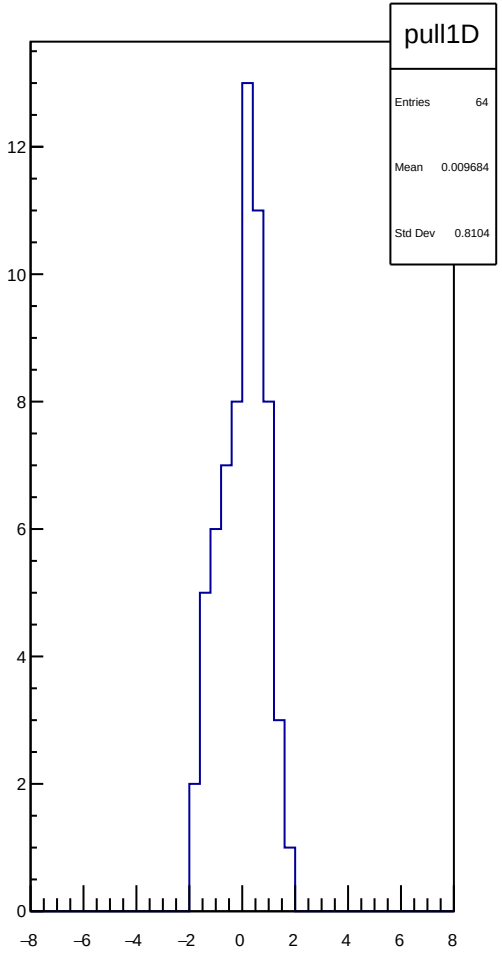

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.956e+04 / 63
p0 37.51 ± 0.03518
110
100
90
80
70
60
50
40
30
20

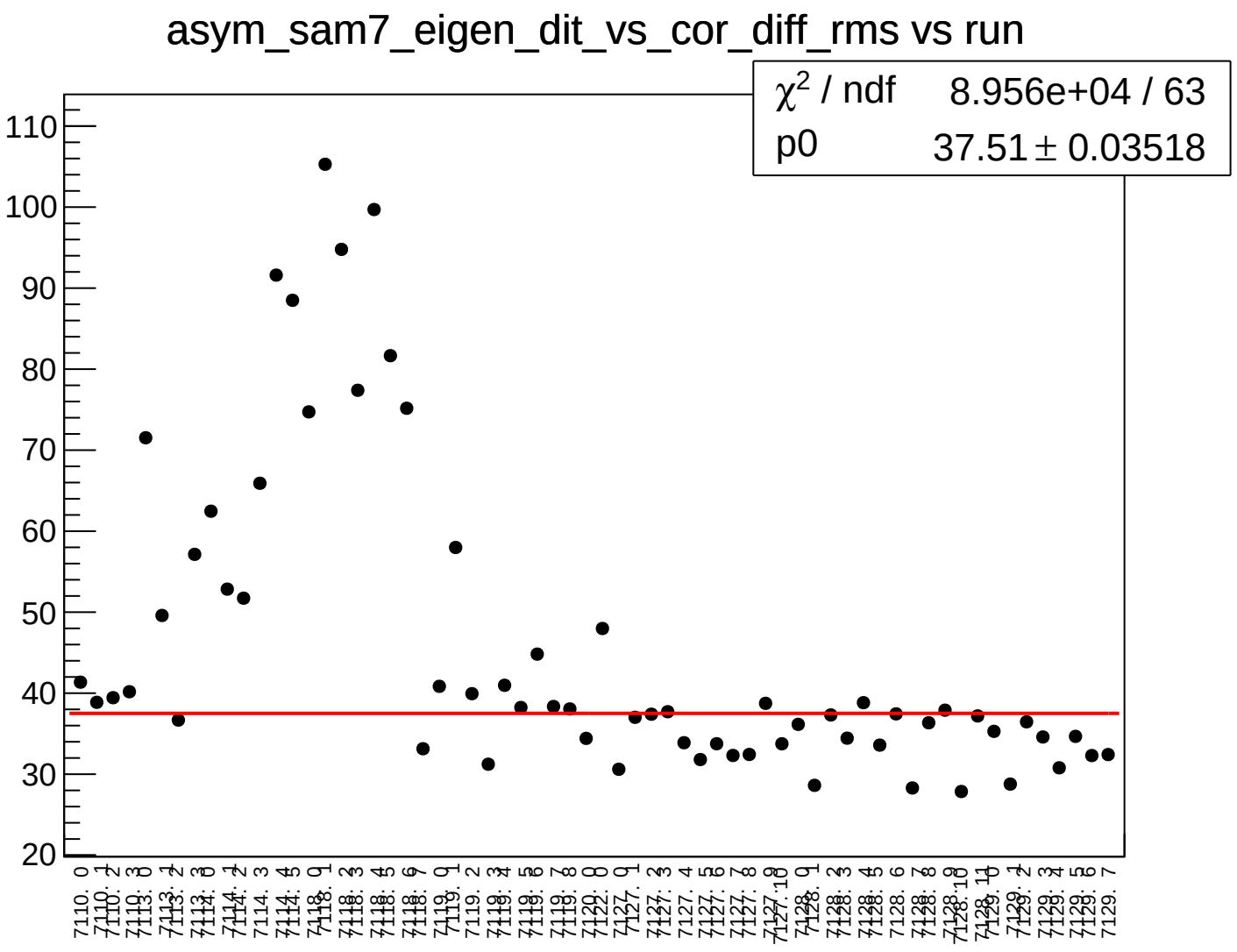

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.18 / 63
p0 2.896e−06 ± 2.74e−06
pull
Entries 64
Mean 929.6
Std Dev 0

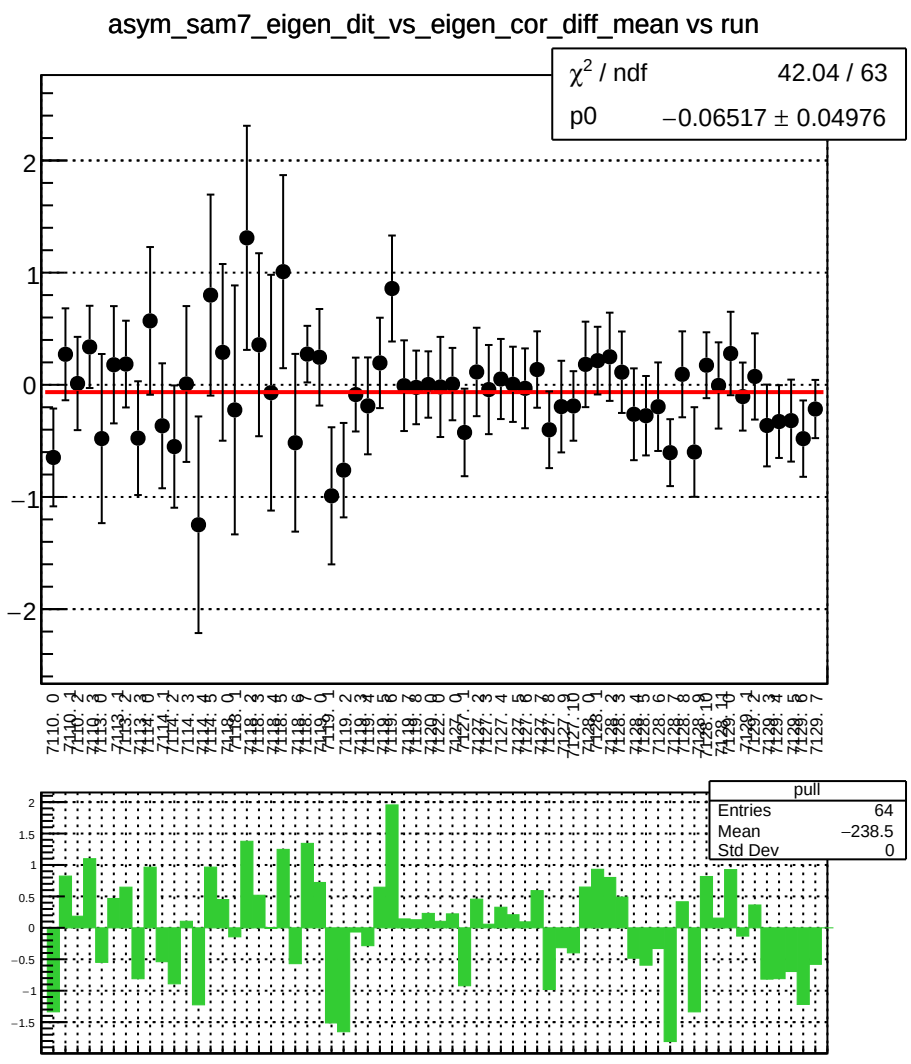

pull1D
Entries 64
Mean 0.004472
Std Dev 0.9116

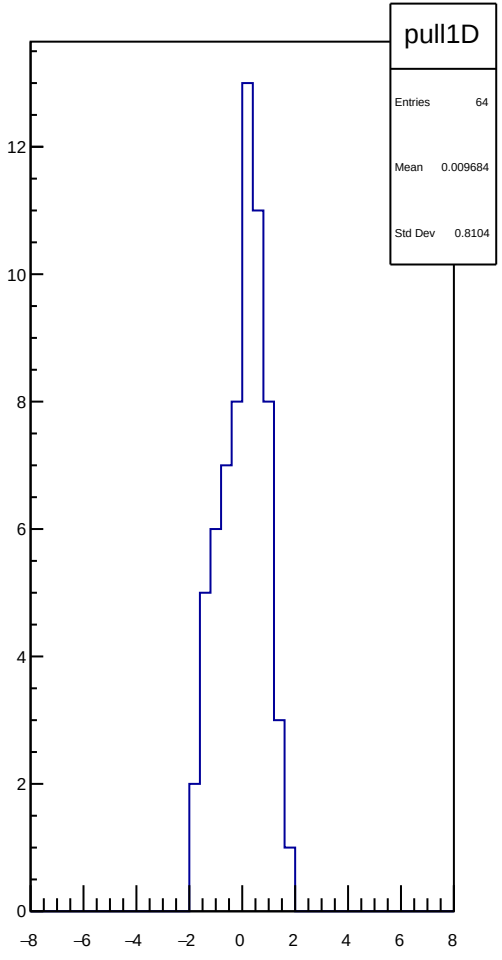

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8566 / 63
p0 0.002138 ± 1.938e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019

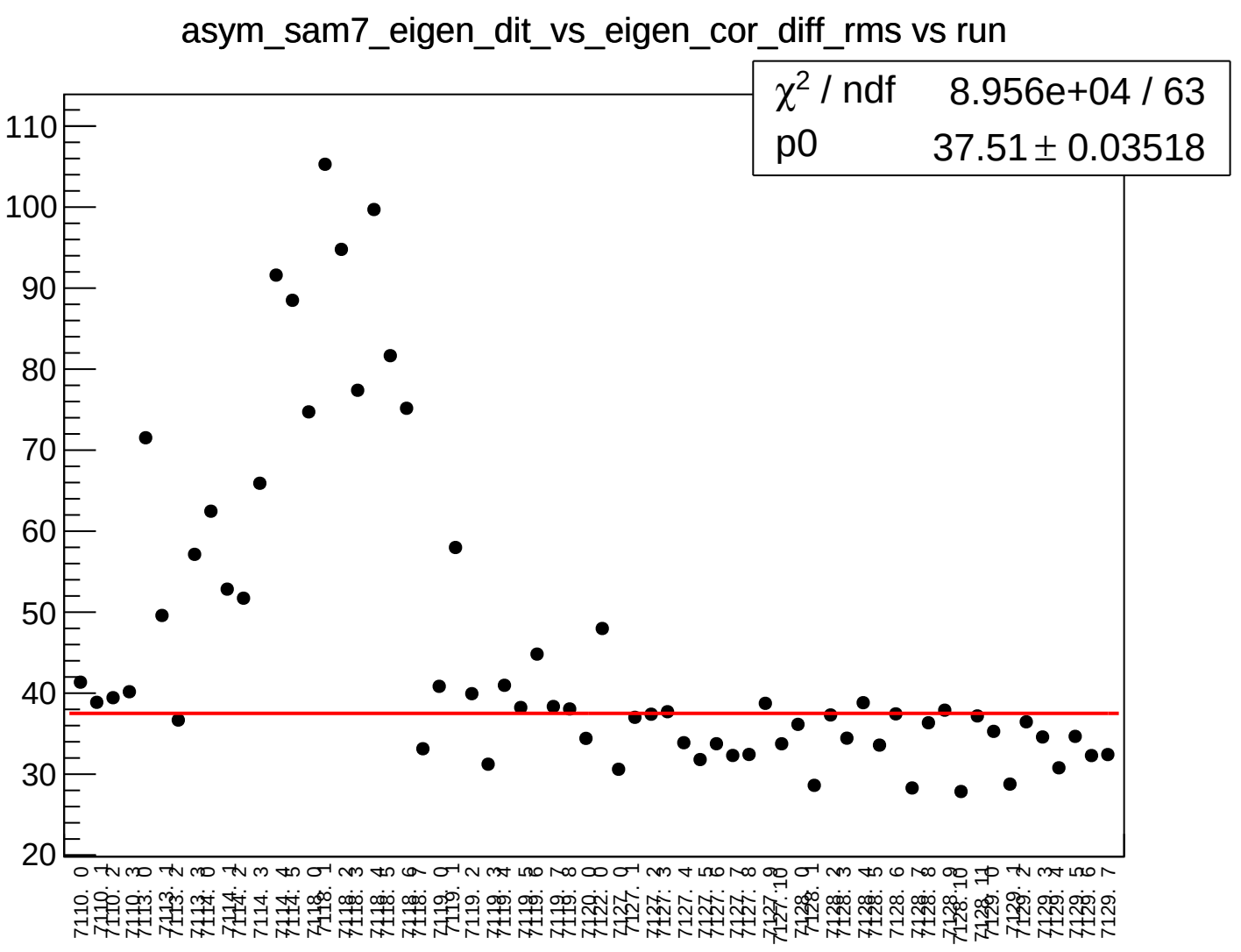

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.04 / 63
p0 −0.06517 ± 0.04976
pull
Entries 64
Mean −238.5
Std Dev 0

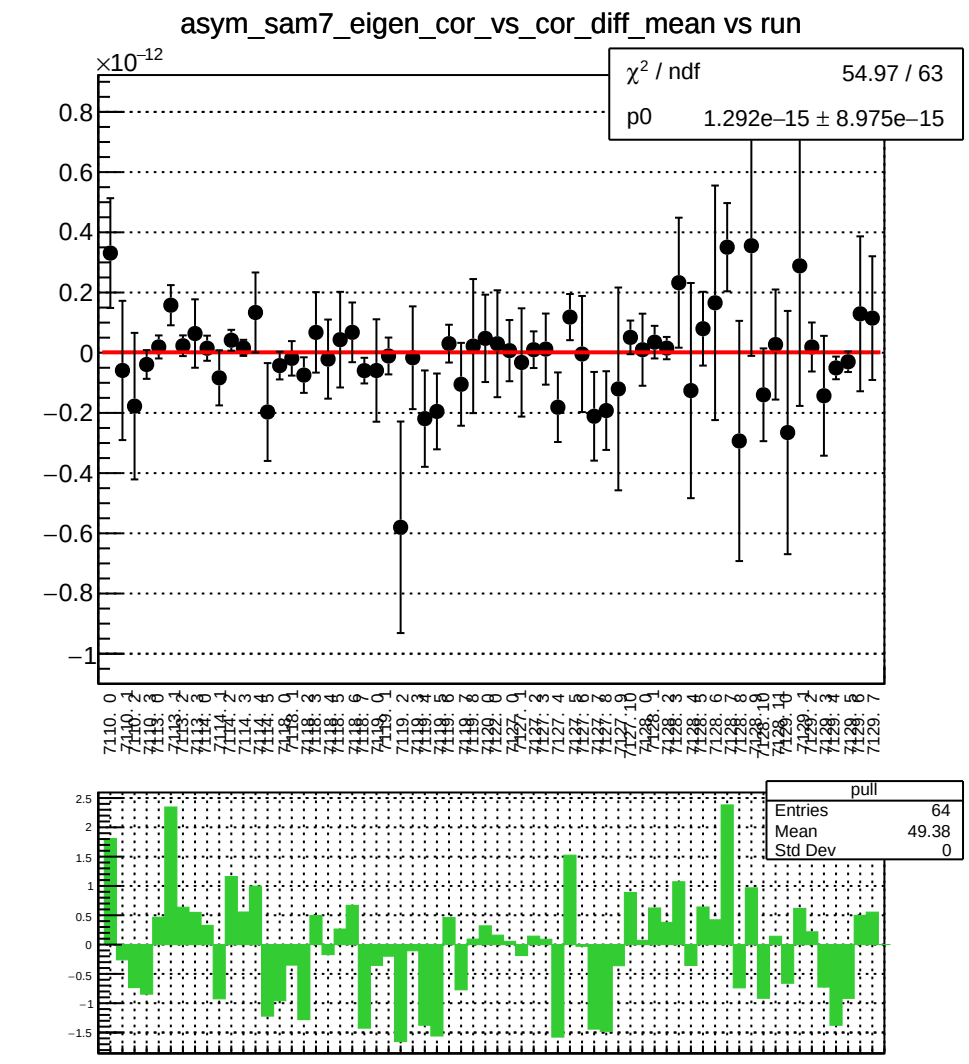

pull1D
Entries 64
Mean 0.009684
Std Dev 0.8104

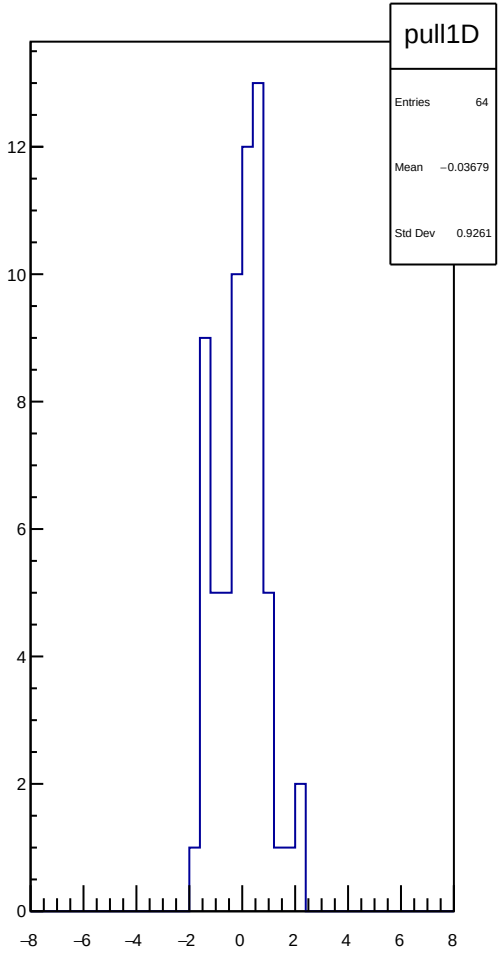

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.956e+04 / 63
p0 37.51 ± 0.03518
110
100
90
80
70
60
50
40
30
20

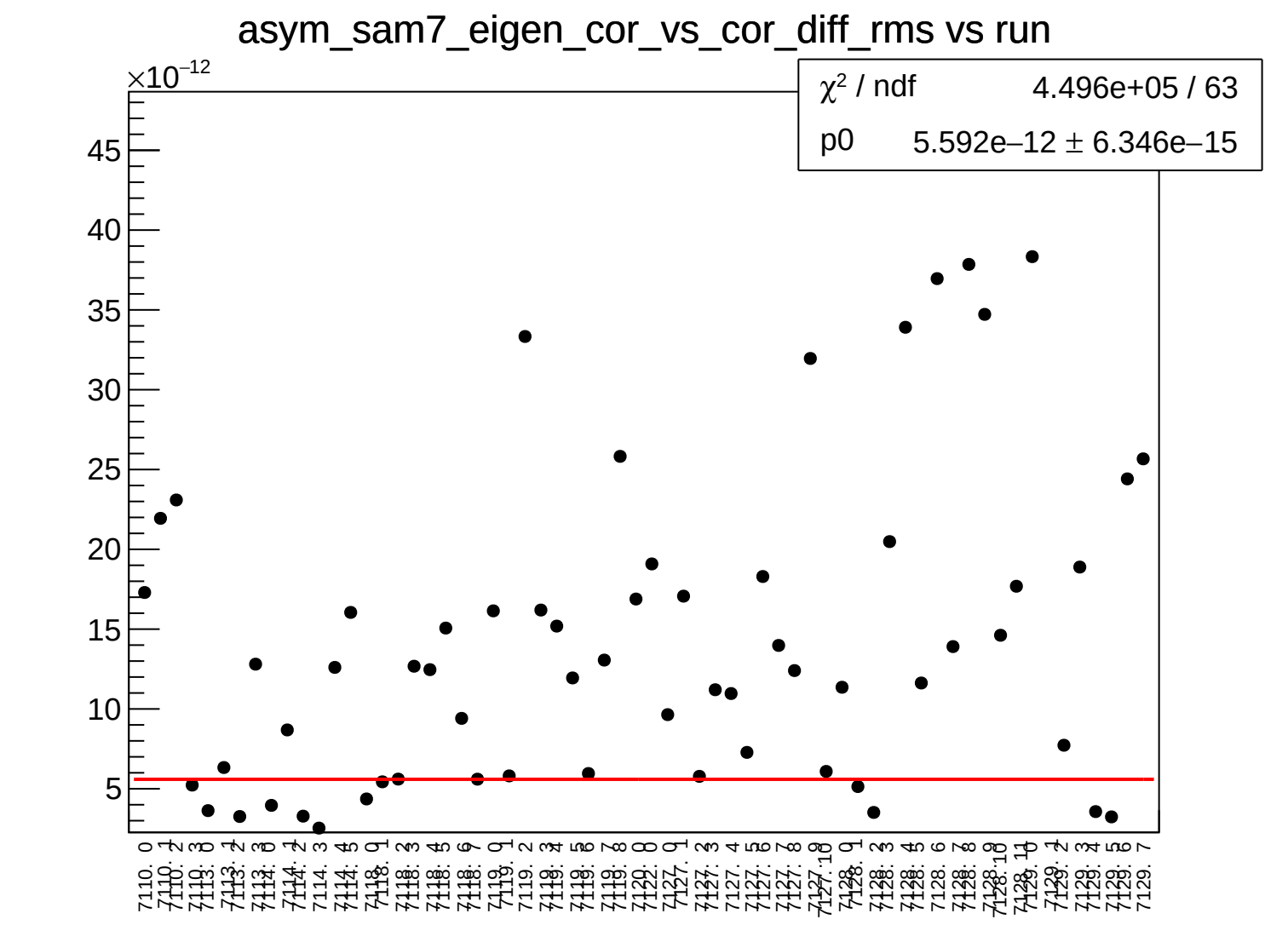

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.04 / 63
p0 −0.06517 ± 0.04976
pull
Entries 64
Mean −238.5
Std Dev 0

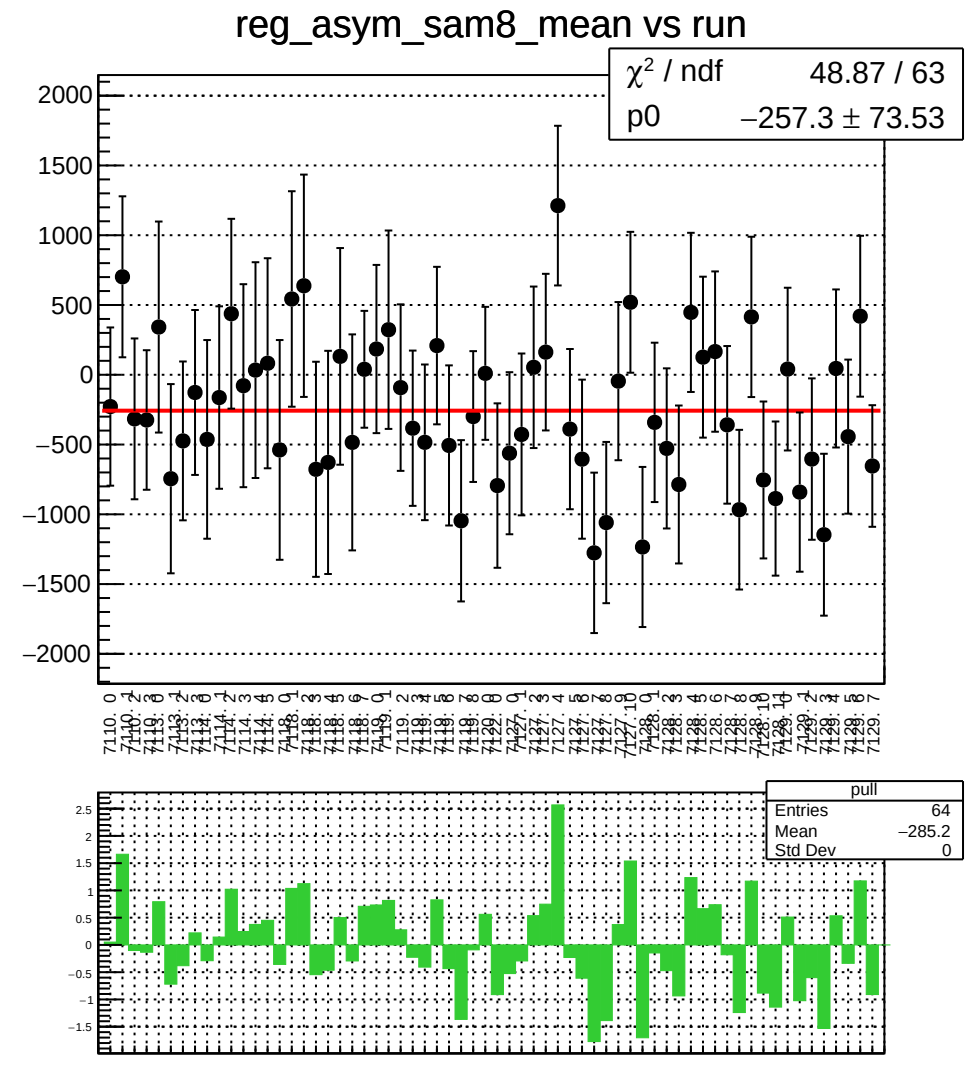

pull1D
Entries 64
Mean 0.009684
Std Dev 0.8104

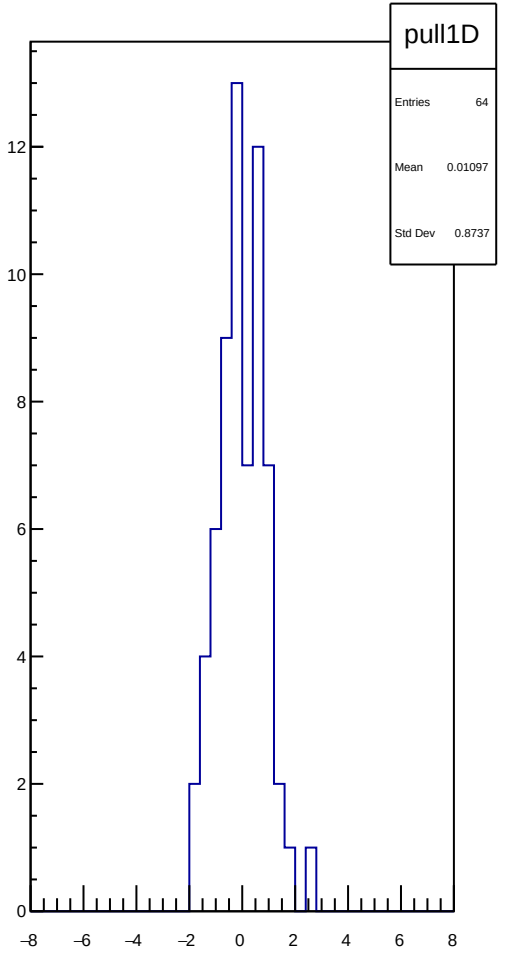

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.956e+04 / 63
p0 37.51 ± 0.03518
110
100
90
80
70
60
50
40
30
20

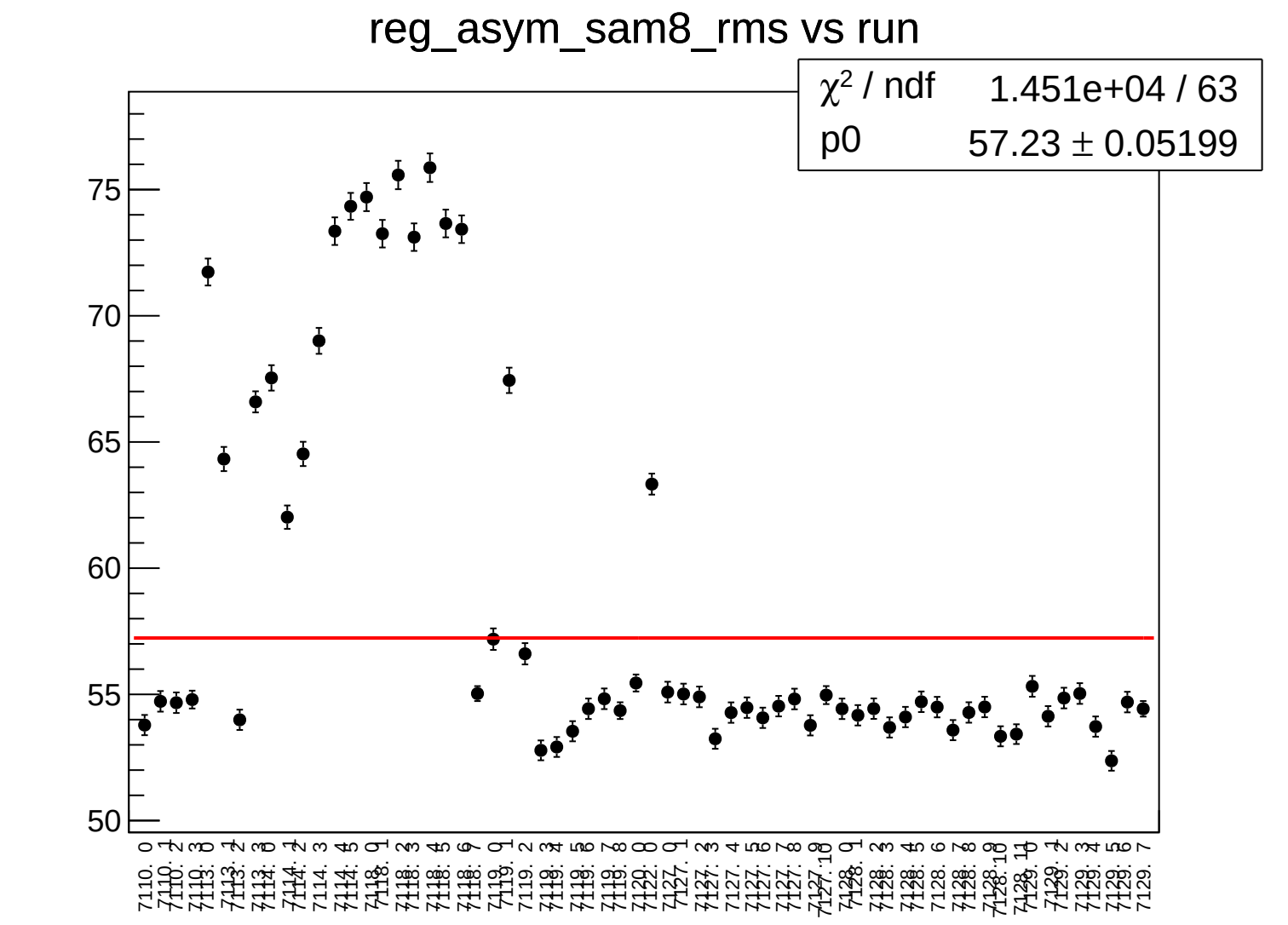

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 54.97 / 63
p0 1.292e−15 ± 8.975e−15
pull
Entries 64
Mean 49.38
Std Dev 0

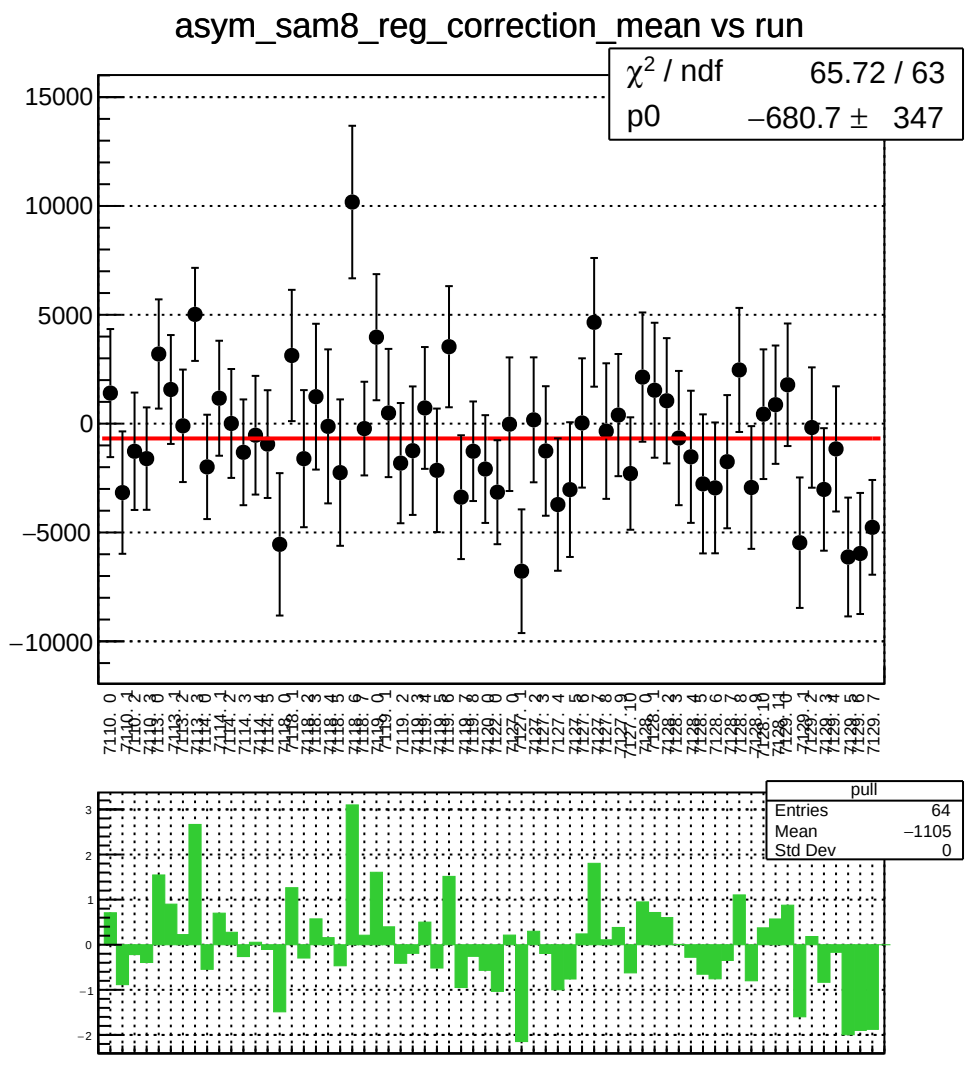

pull1D
Entries 64
Mean −0.03679
Std Dev 0.9261

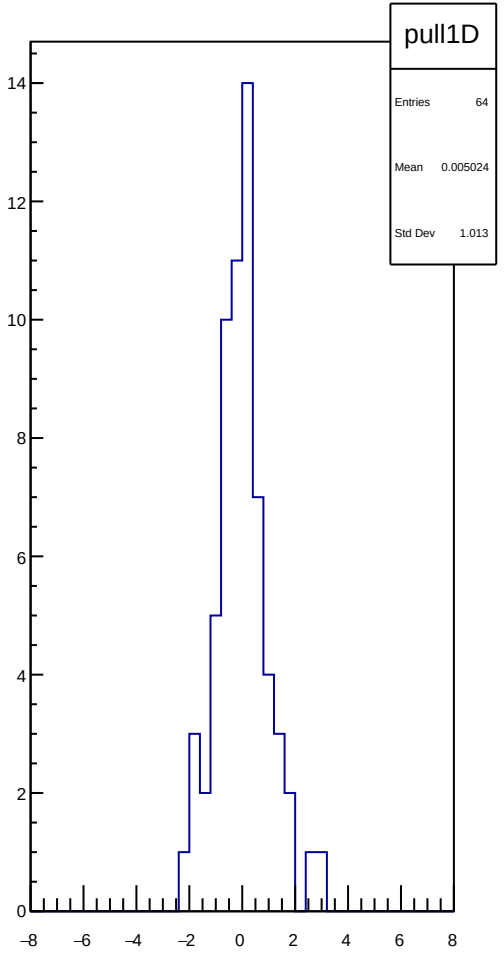

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.496e+05 / 63
p0 5.592e−12 ± 6.346e−15
45
40
35
30
25
20
15
10
5

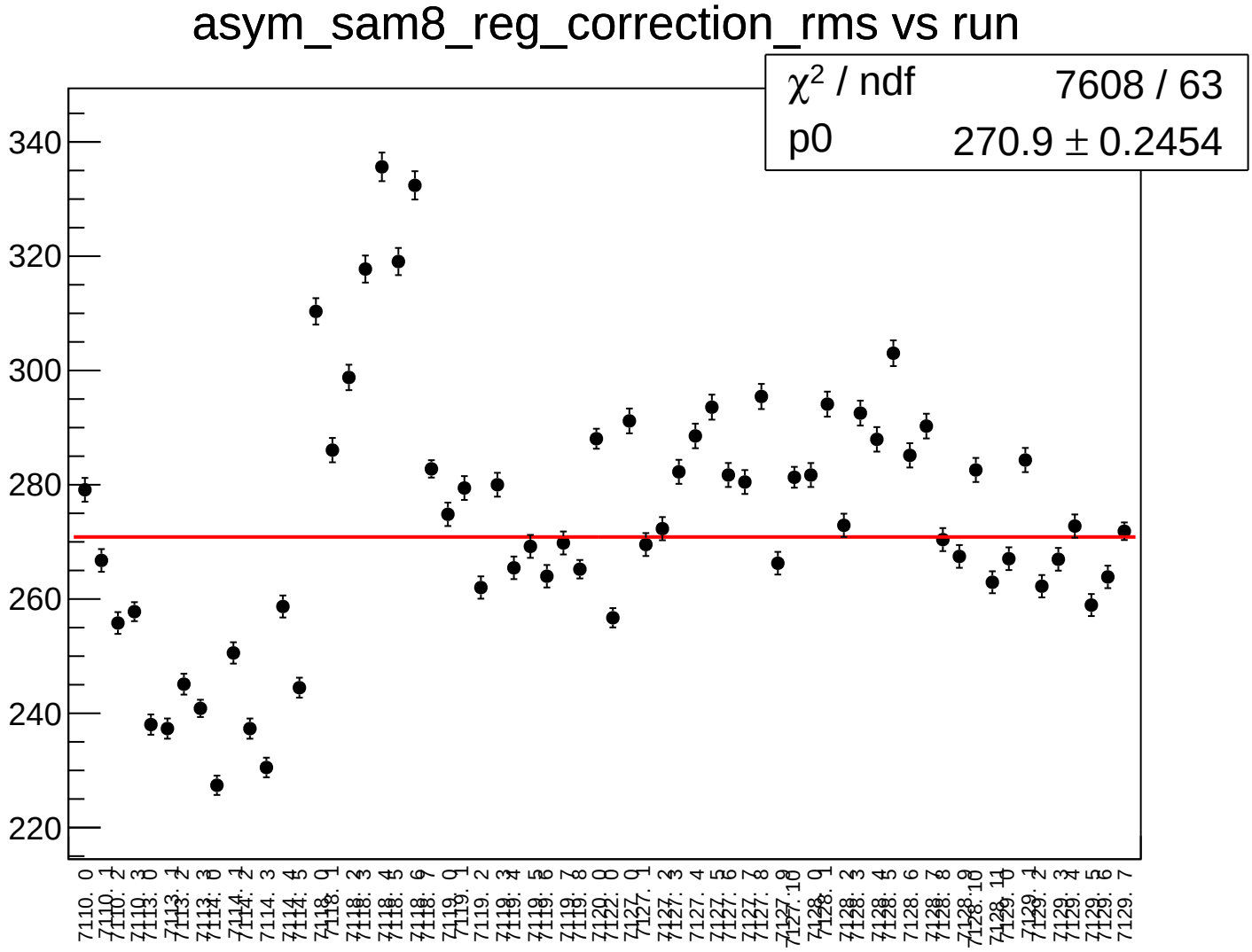

reg_asym_sam8_mean vs run
χ² / ndf 48.87 / 63
p0 −257.3 ± 73.53
pull
Entries 64
Mean −285.2
Std Dev 0

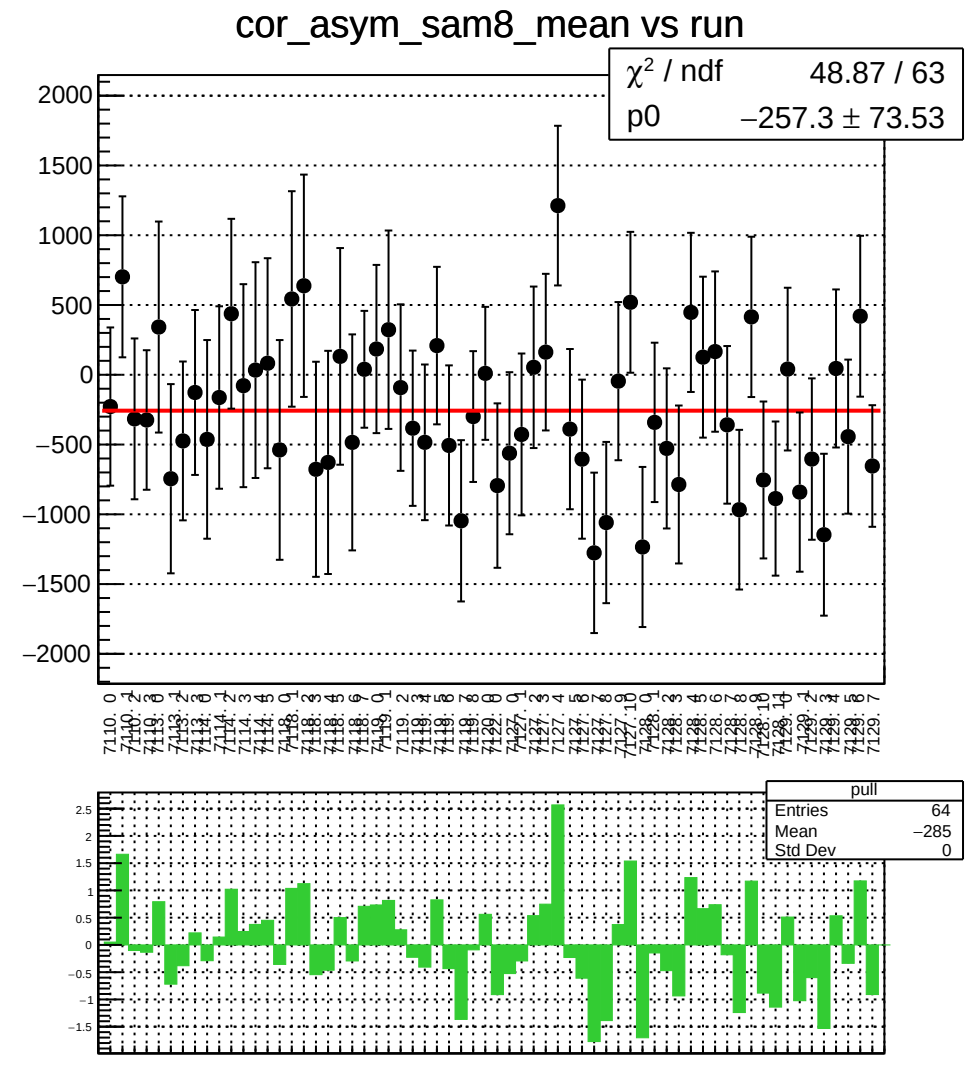

pull1D
Entries 64
Mean 0.01097
Std Dev 0.8737

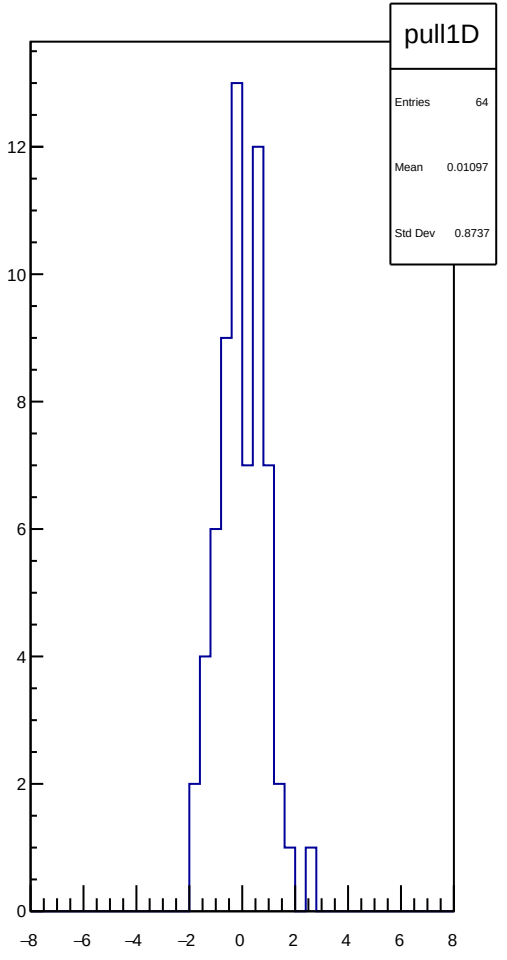

reg_asym_sam8_rms vs run
χ² / ndf 1.451e+04 / 63
p0 57.23 ± 0.05199
75
70
65
60
55
50

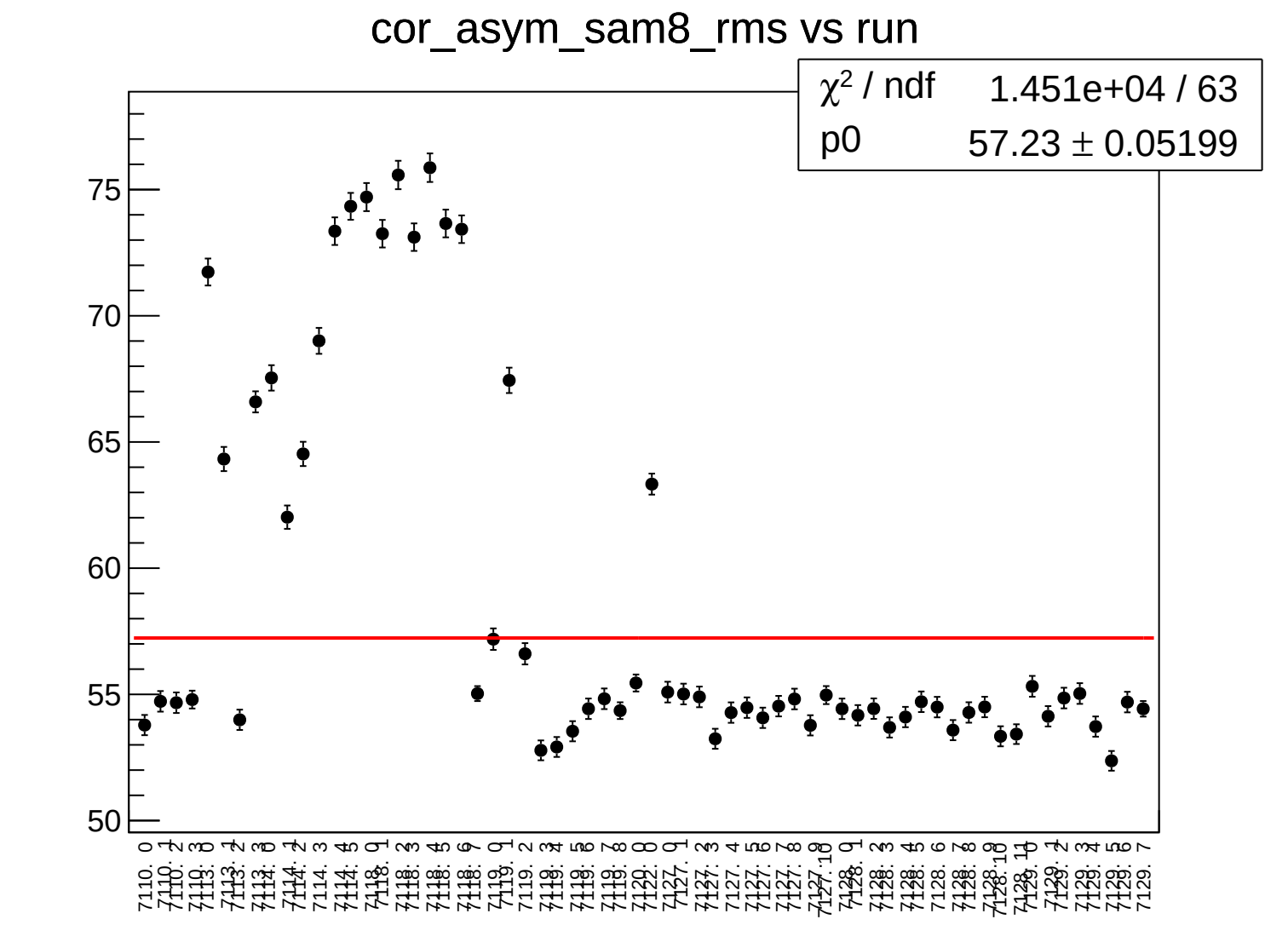

asym_sam8_reg_correction_mean vs run
χ² / ndf 65.72 / 63
p0 −680.7 ± 347
pull
Entries 64
Mean −1105
Std Dev 0

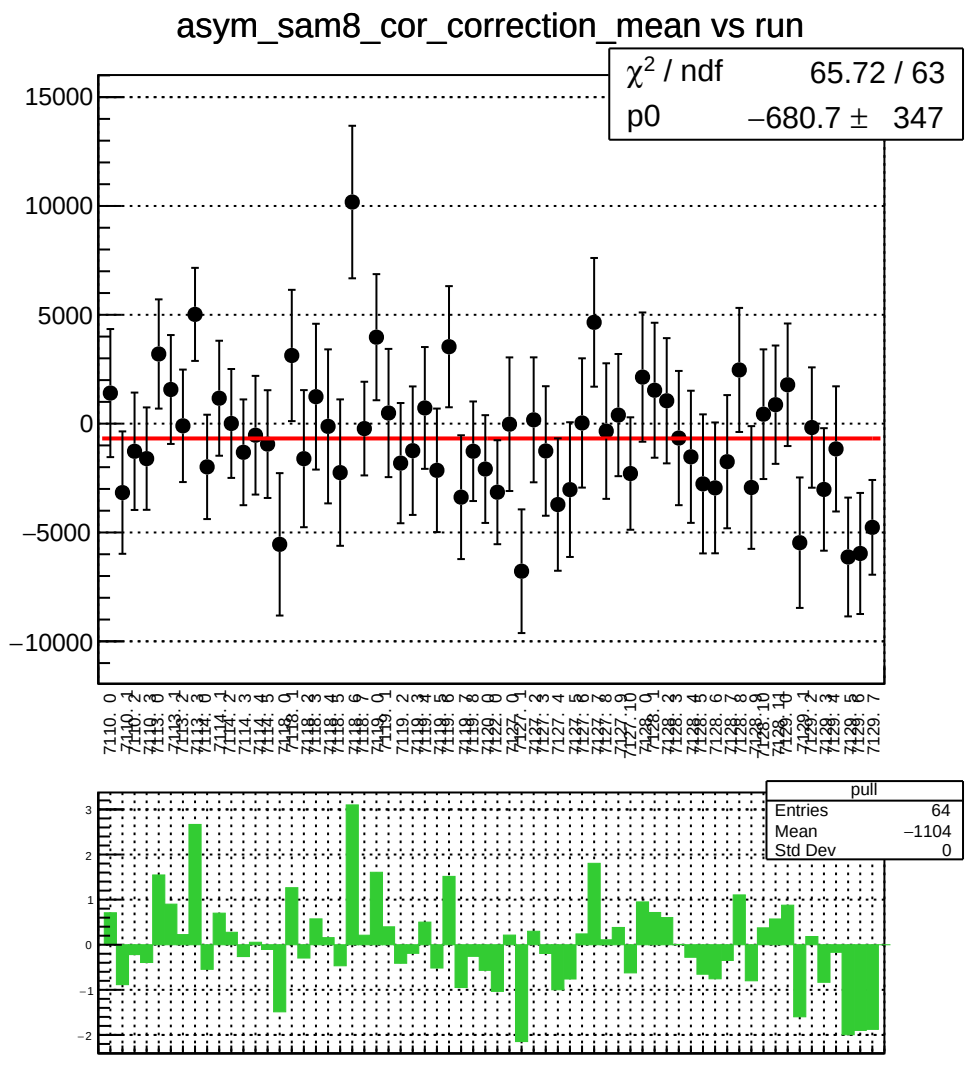

pull1D
Entries 64
Mean 0.005024
Std Dev 1.013

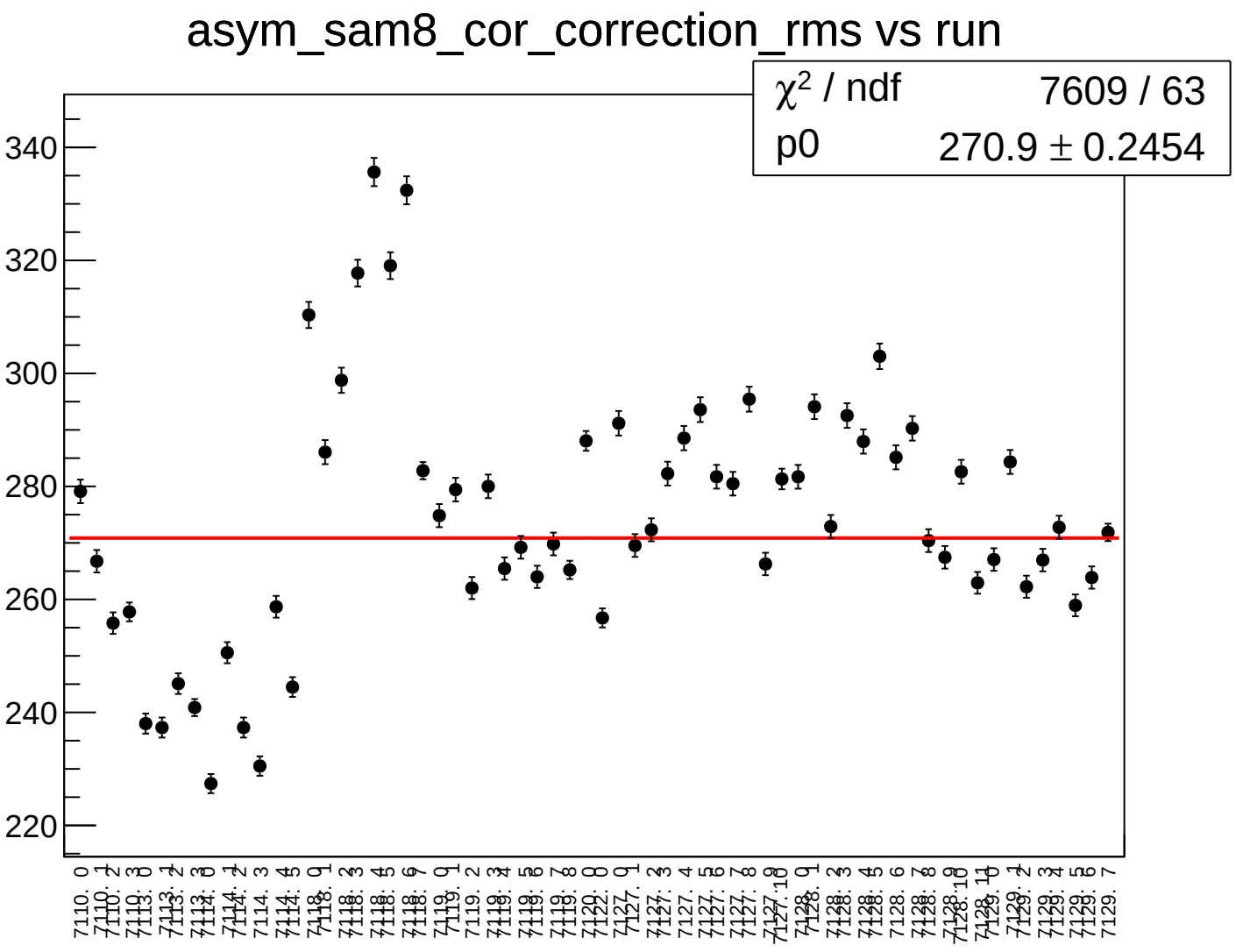

asym_sam8_reg_correction_rms vs run
χ² / ndf 7608 / 63
p0 270.9 ± 0.2454
340
320
300
280
260
240
220


cor_asym_sam8_mean vs run
χ² / ndf 48.87 / 63
p0 −257.3 ± 73.53
pull
Entries 64
Mean −285
Std Dev 0

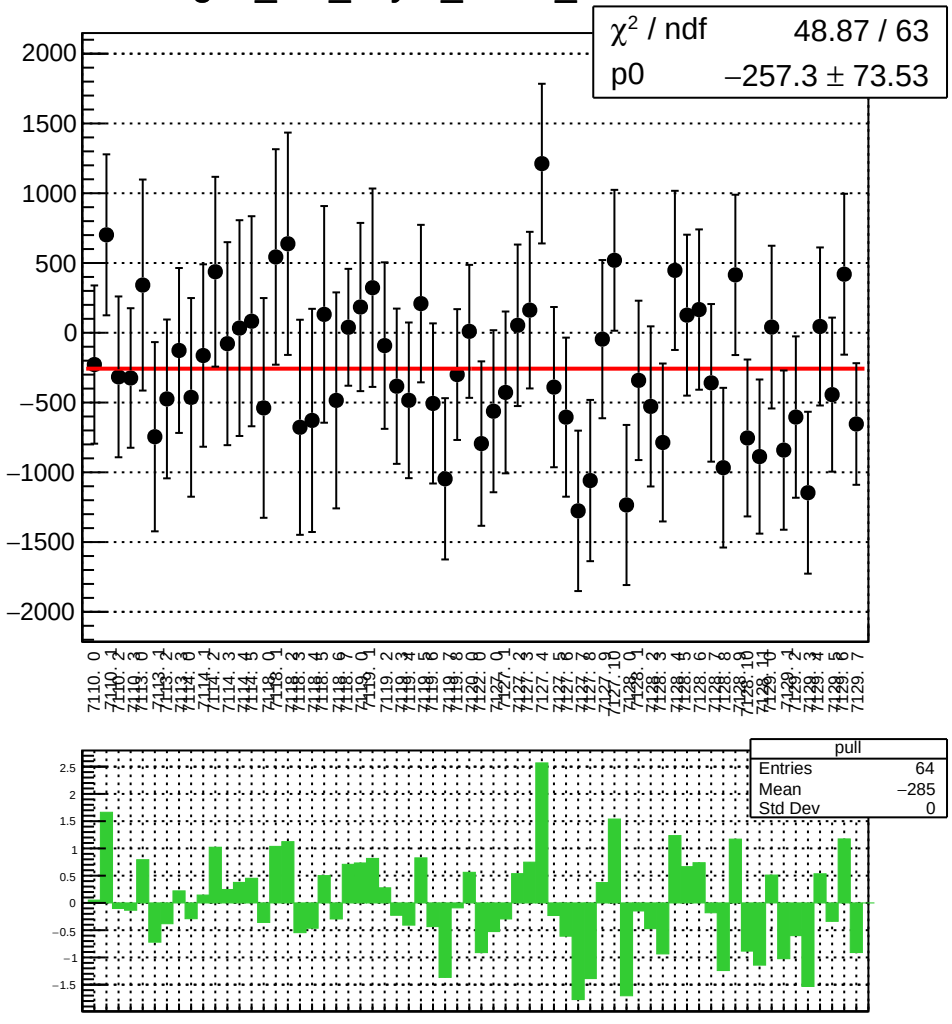

pull1D
Entries 64
Mean 0.01097
Std Dev 0.8737

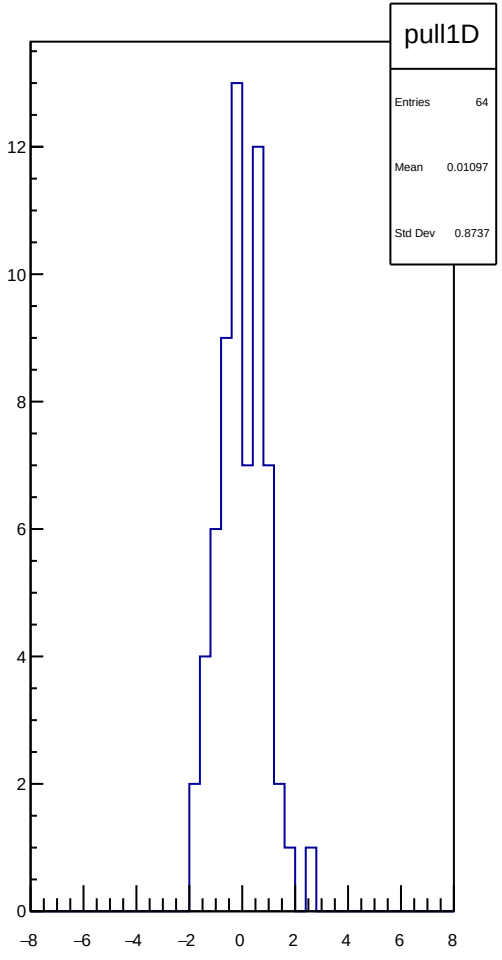

cor_asym_sam8_rms vs run
χ² / ndf 1.451e+04 / 63
p0 57.23 ± 0.05199
75
70
65
60
55
50

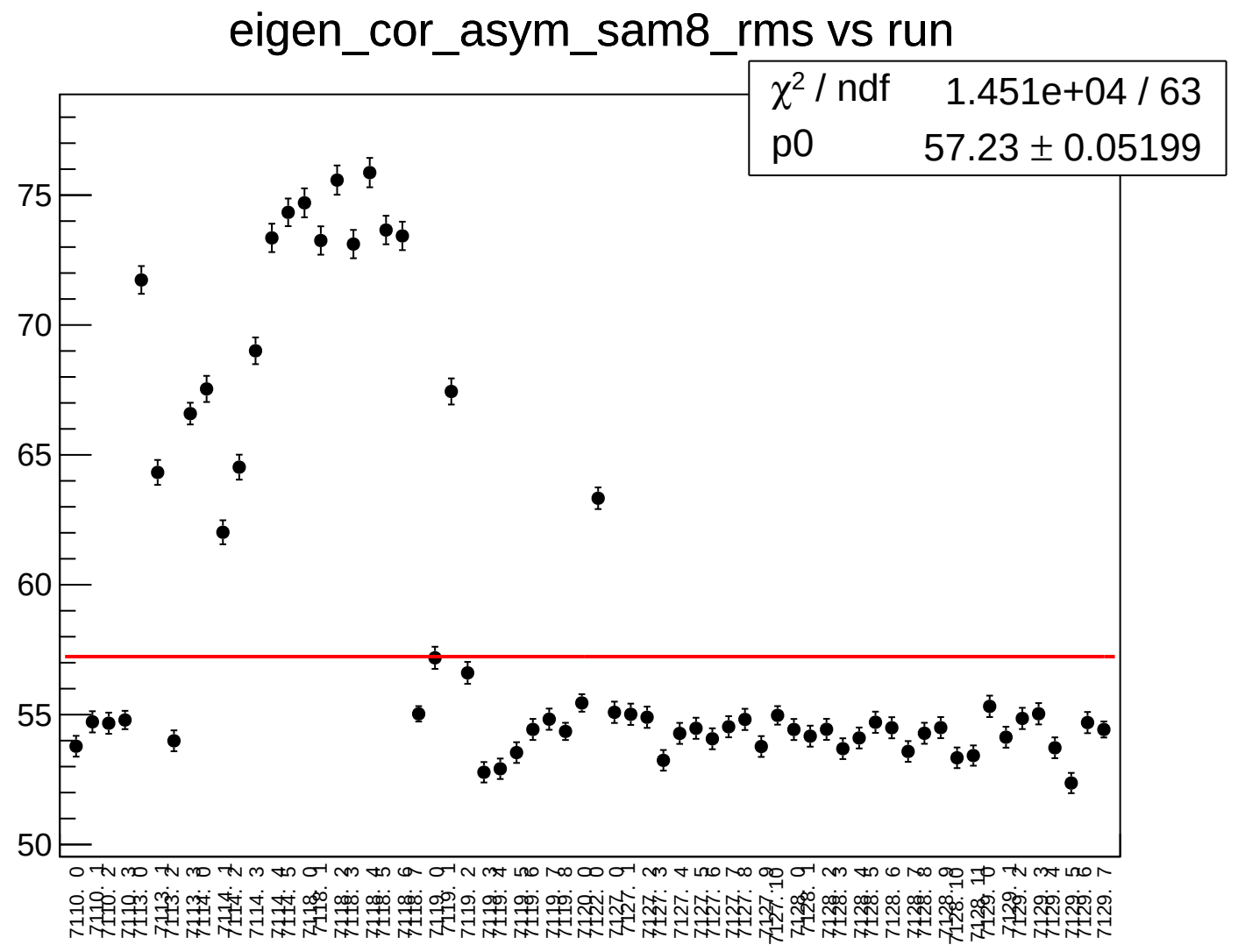

asym_sam8_cor_correction_mean vs run
χ² / ndf 65.72 / 63
p0 −680.7 ± 347
pull
Entries 64
Mean −1104
Std Dev 0
pull1D
Entries 64
Mean 0.005025
Std Dev 1.013

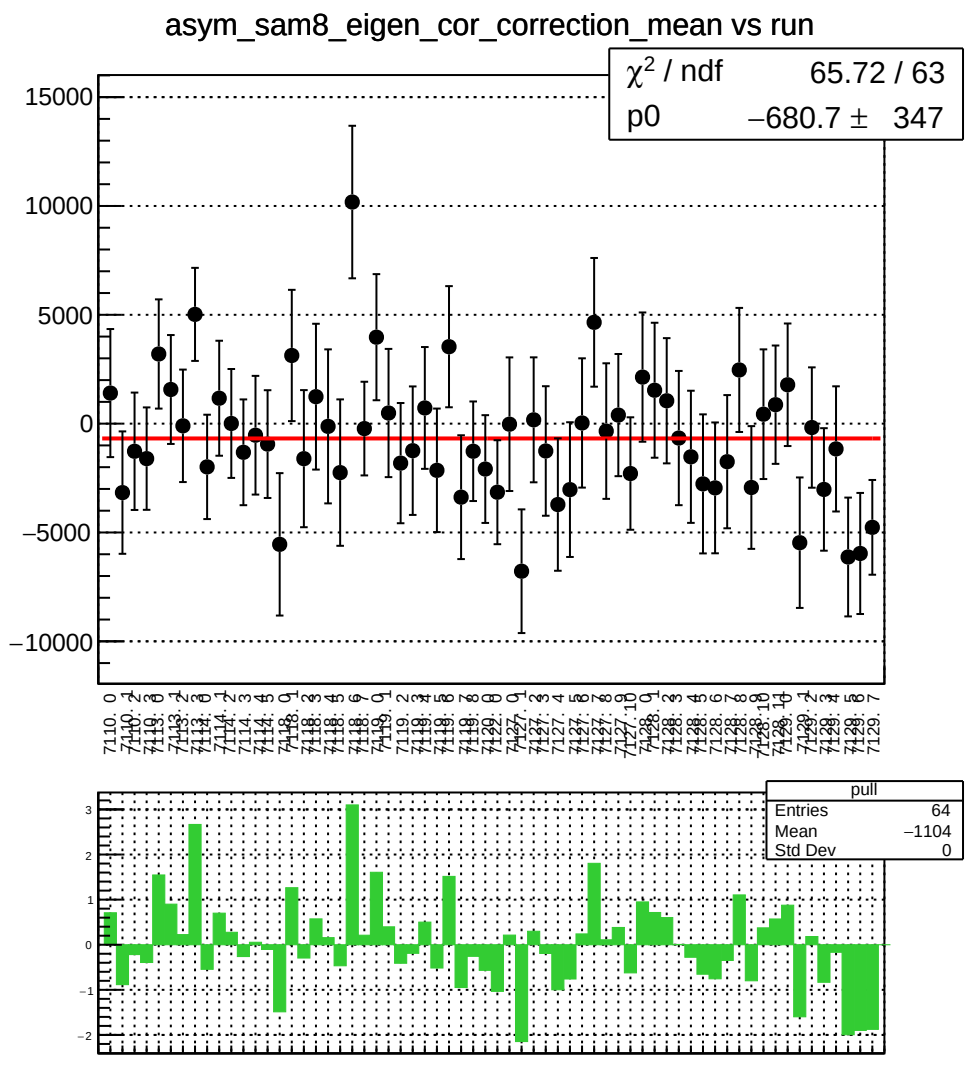

asym_sam8_cor_correction_rms vs run
χ² / ndf 7609 / 63
p0 270.9 ± 0.2454
340
320
300
280
260
240
220

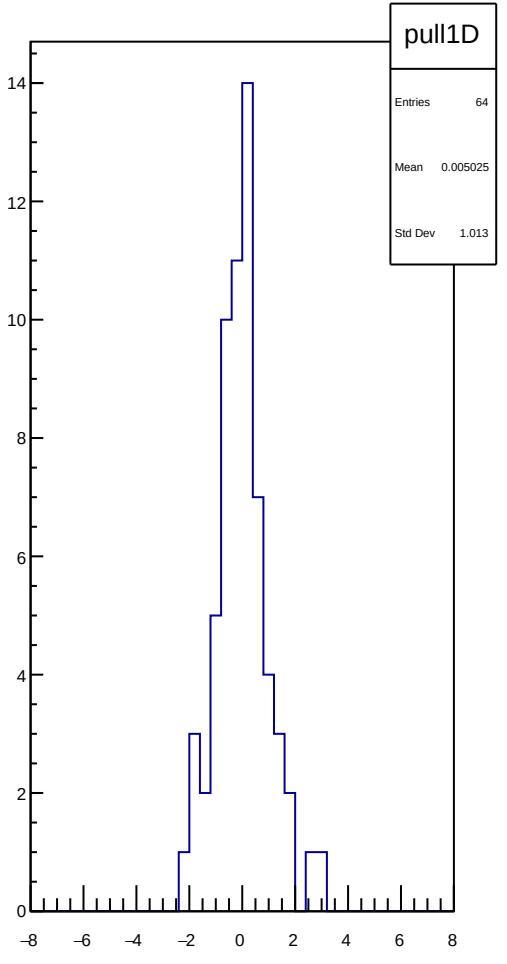
eigen_cor_asym_sam8_mean vs run

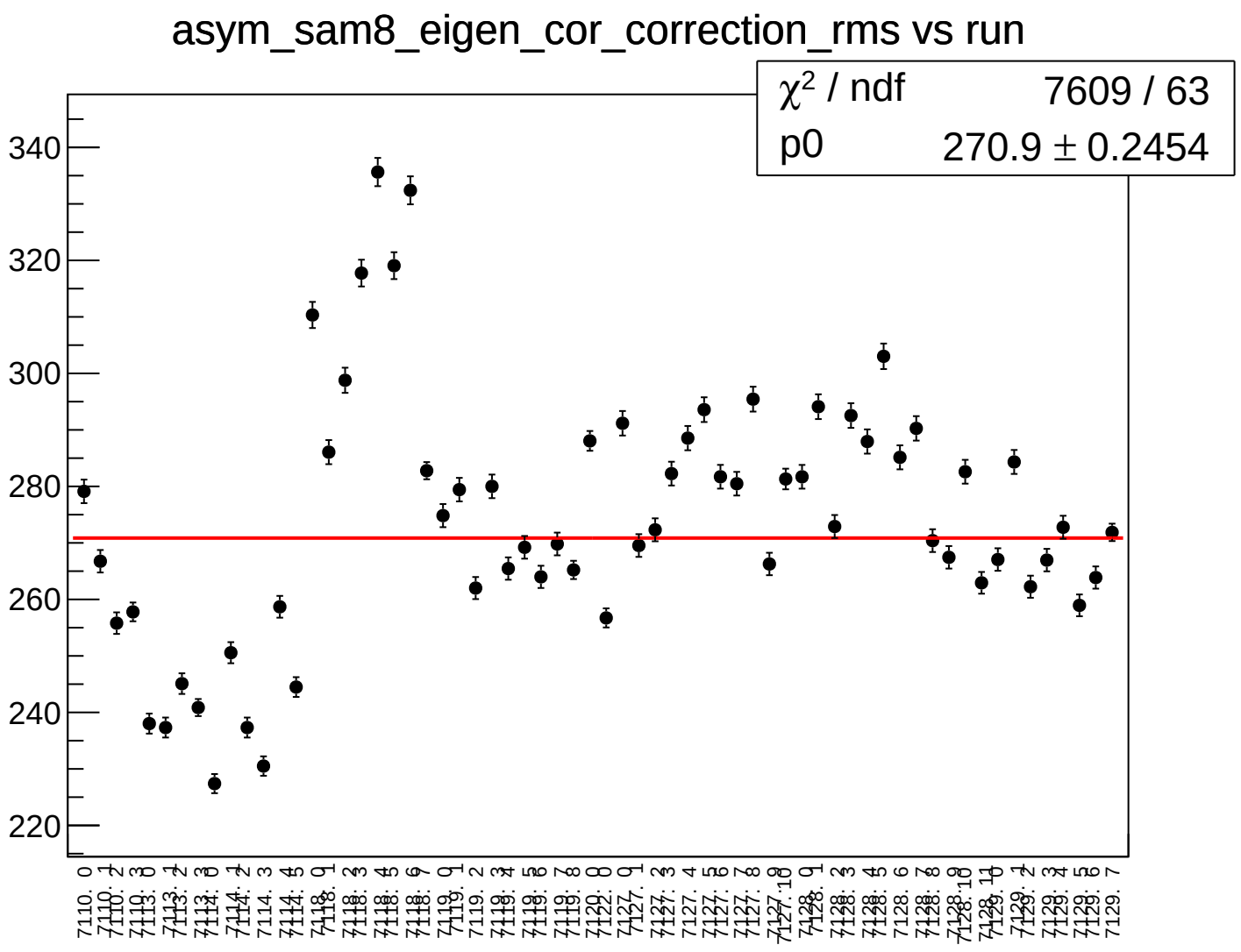


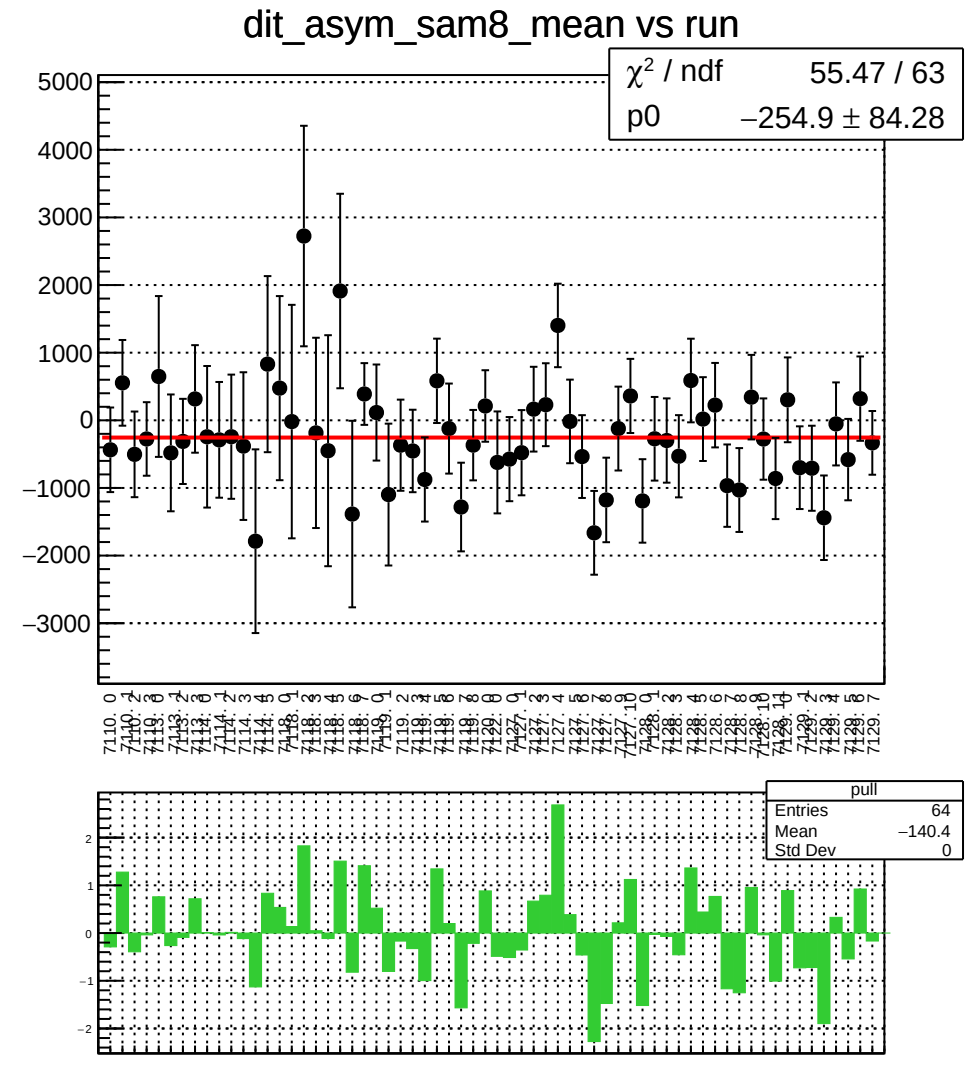


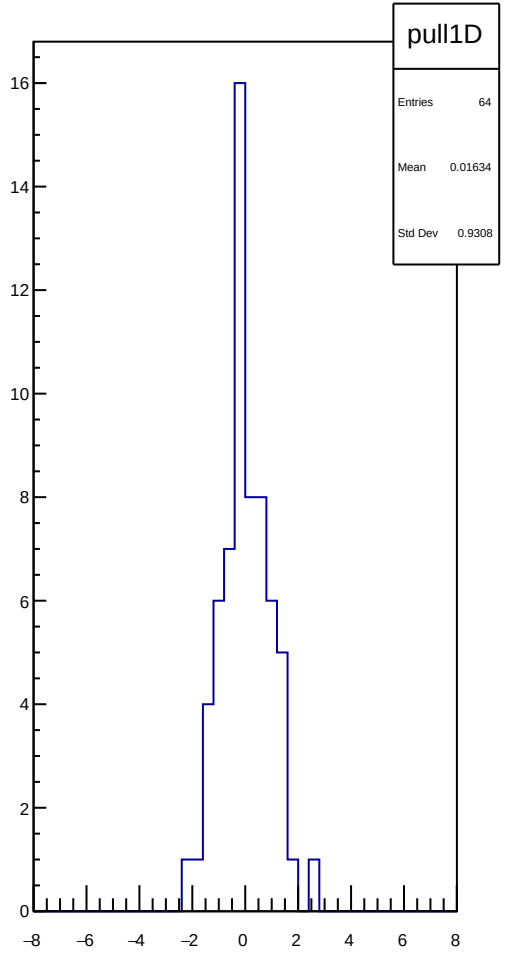

eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 1.451e+04 / 63
p0 57.23 ± 0.05199
75
70
65
60
55
50

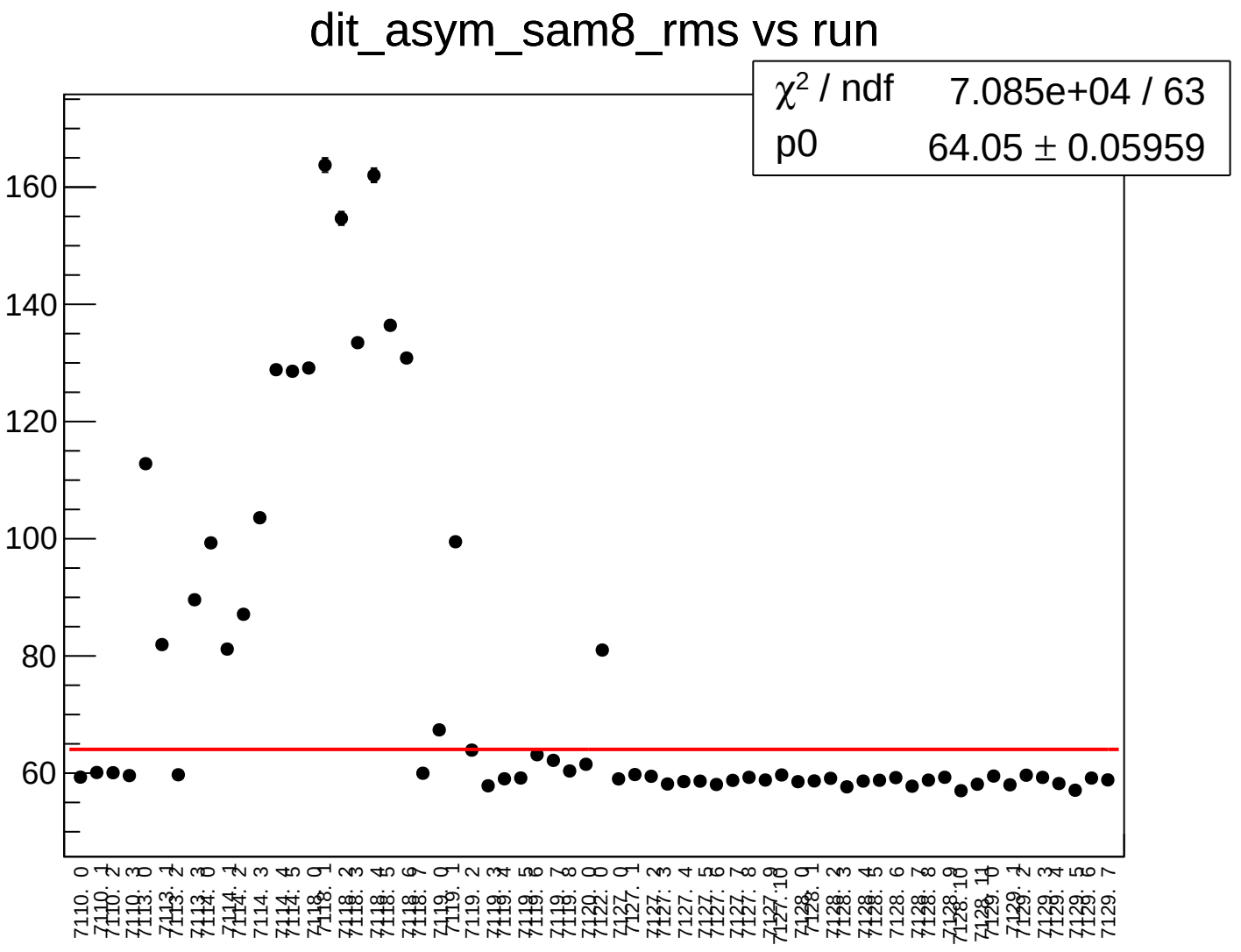

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 65.72 / 63
p0 −680.7 ± 347
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −1104
Std Dev 0
3
2
1
0
−1
−2

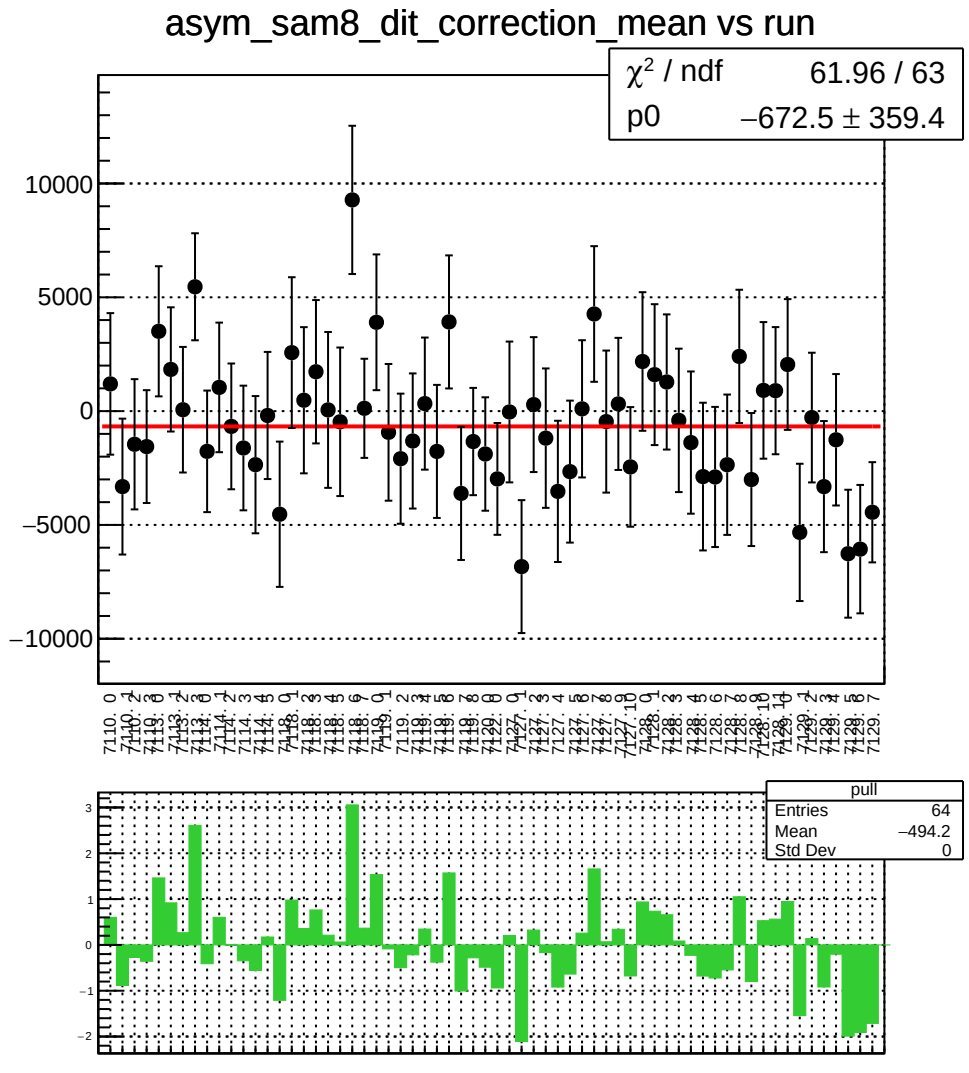

pull1D
Entries 64
Mean 0.005025
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

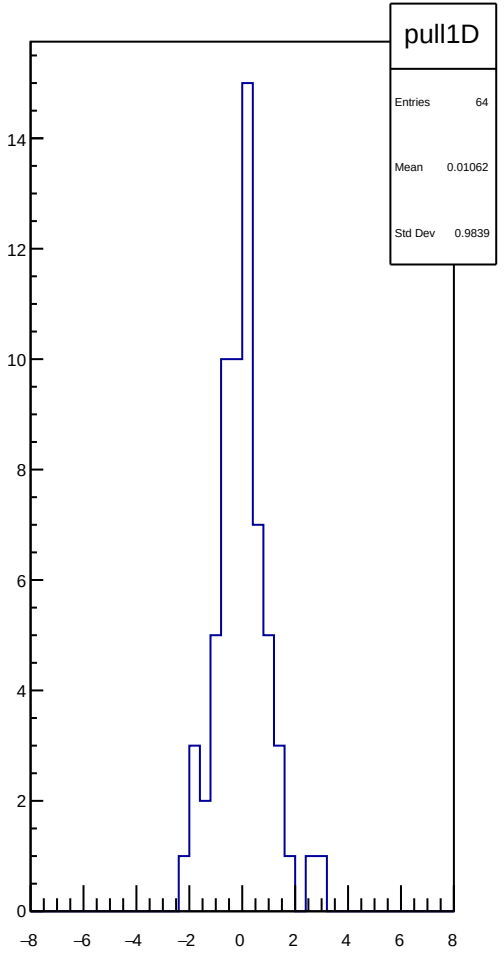

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 7609 / 63
p0 270.9 ± 0.2454
340
320
300
280
260
240
220

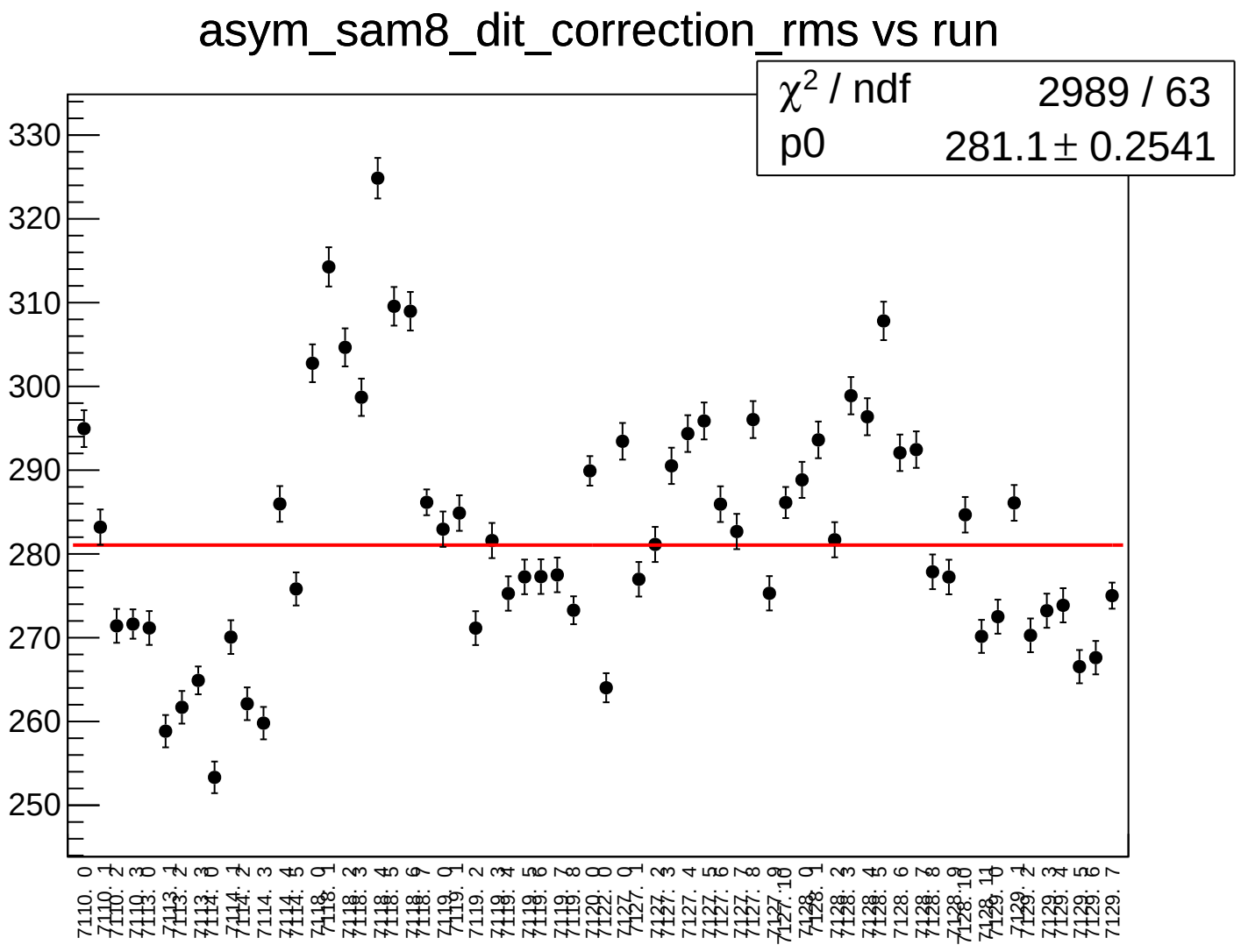

dit_asym_sam8_mean vs run
χ² / ndf 55.47 / 63
p0 −254.9 ± 84.28
pull
Entries 64
Mean −140.4
Std Dev 0

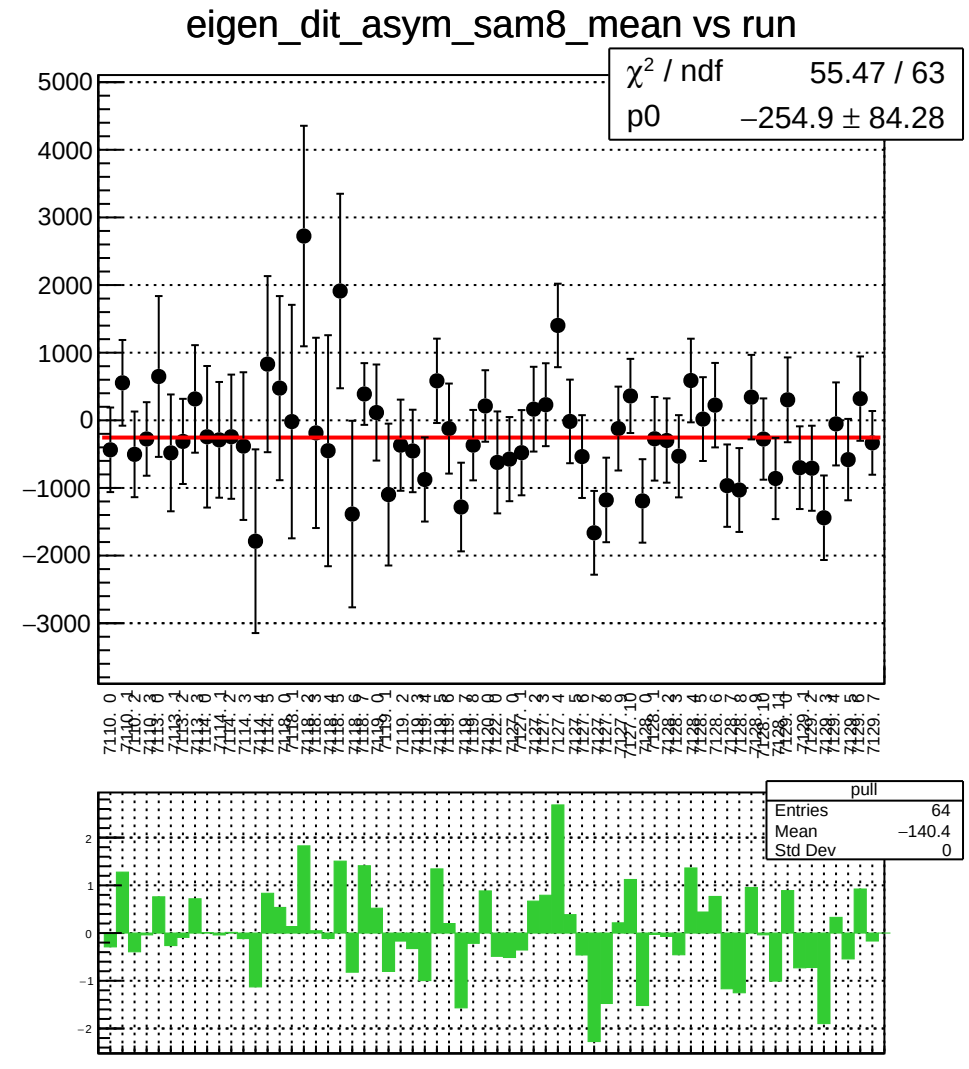

pull1D
Entries 64
Mean 0.01634
Std Dev 0.9308

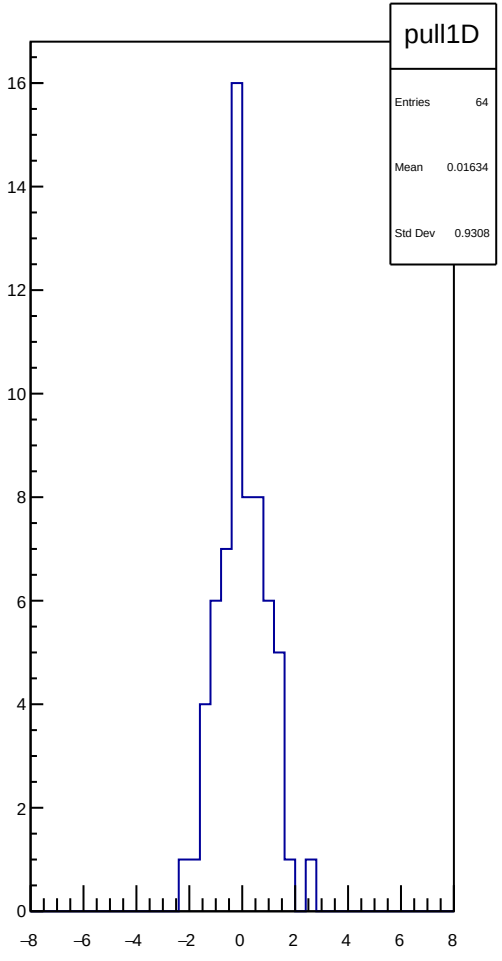

dit_asym_sam8_rms vs run
χ^2 / ndf 7.085e+04 / 63
p0 64.05 ± 0.05959
160
140
120
100
80
60

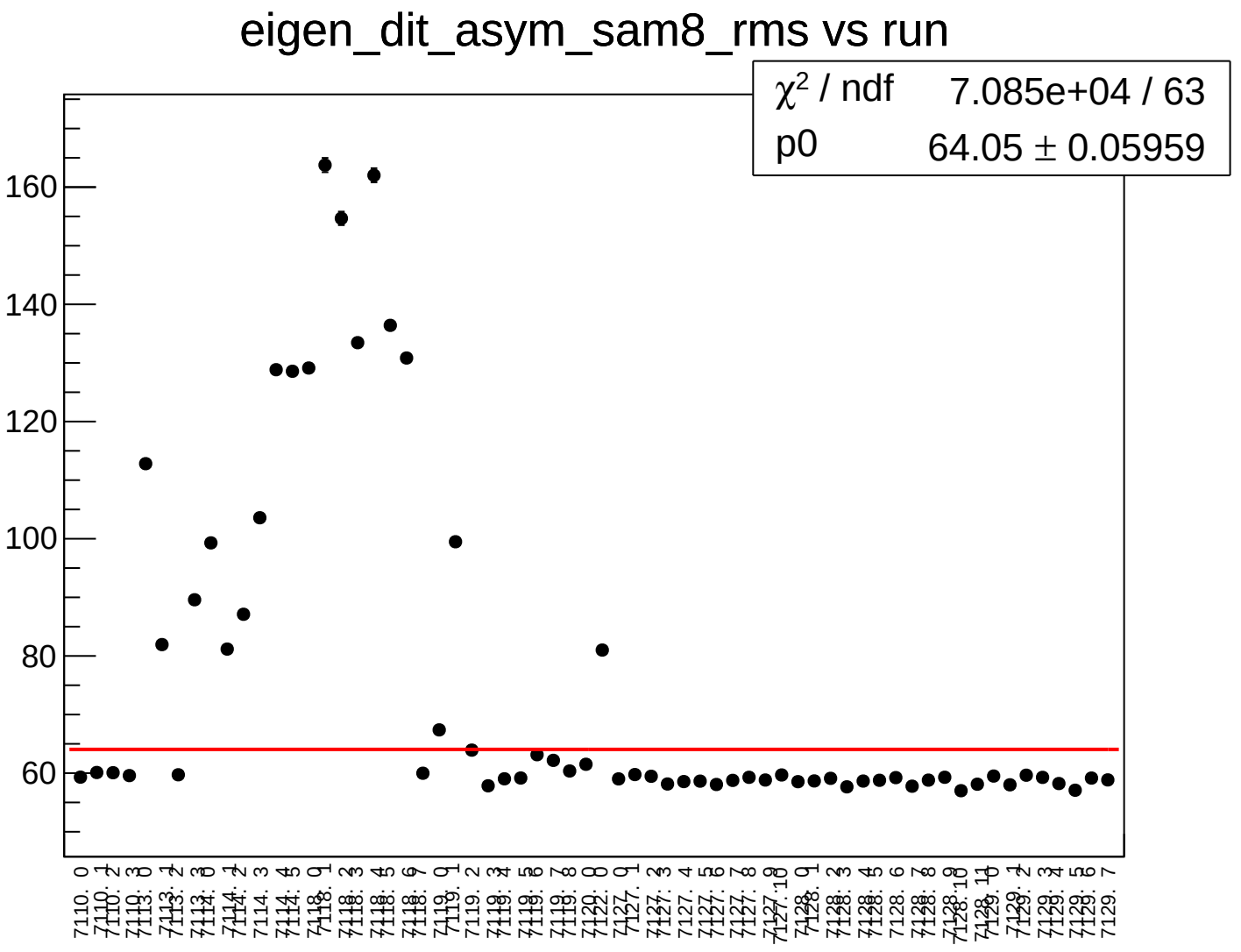

asym_sam8_dit_correction_mean vs run
χ² / ndf 61.96 / 63
p0 −672.5 ± 359.4
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −494.2
Std Dev 0
3
2
1
0
−1
−2

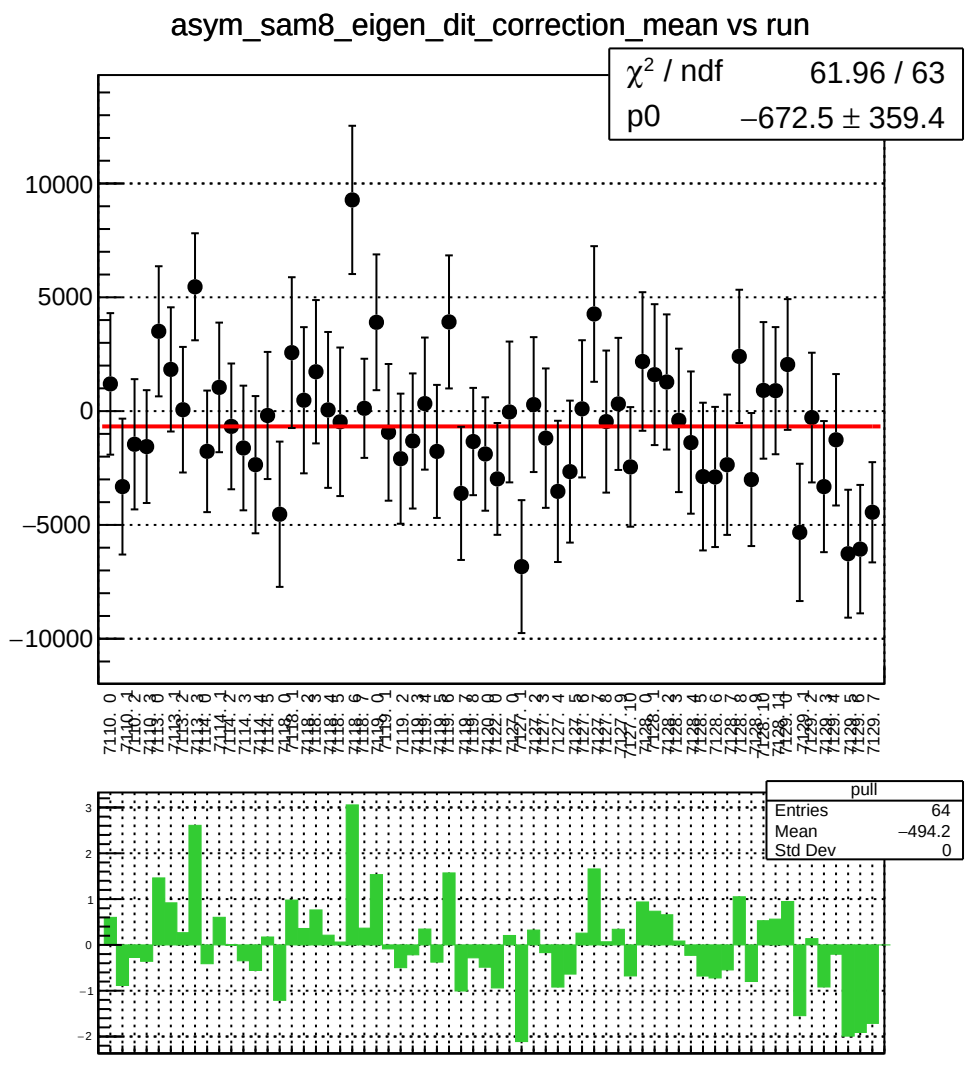

pull1D
Entries 64
Mean 0.01062
Std Dev 0.9839
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

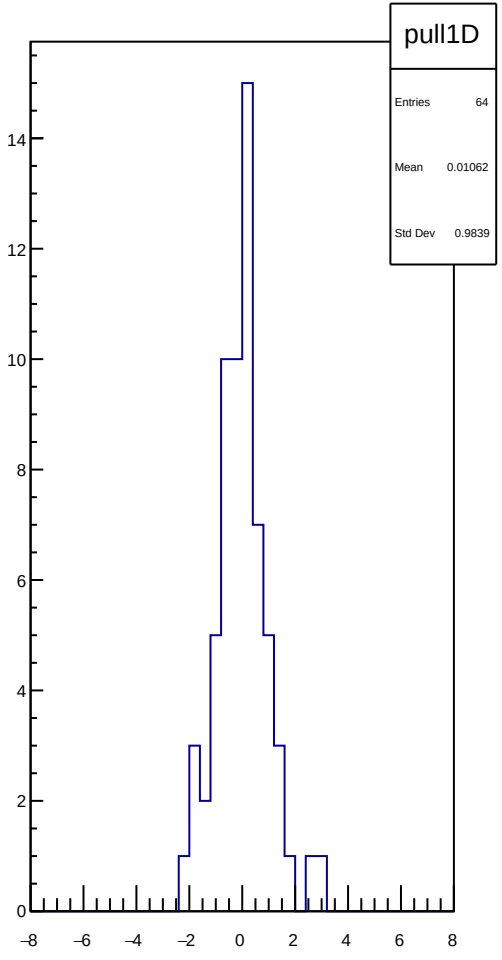

asym_sam8_dit_correction_rms vs run
χ² / ndf 2989 / 63
p0 281.1 ± 0.2541
330
320
310
300
290
280
270
260
250

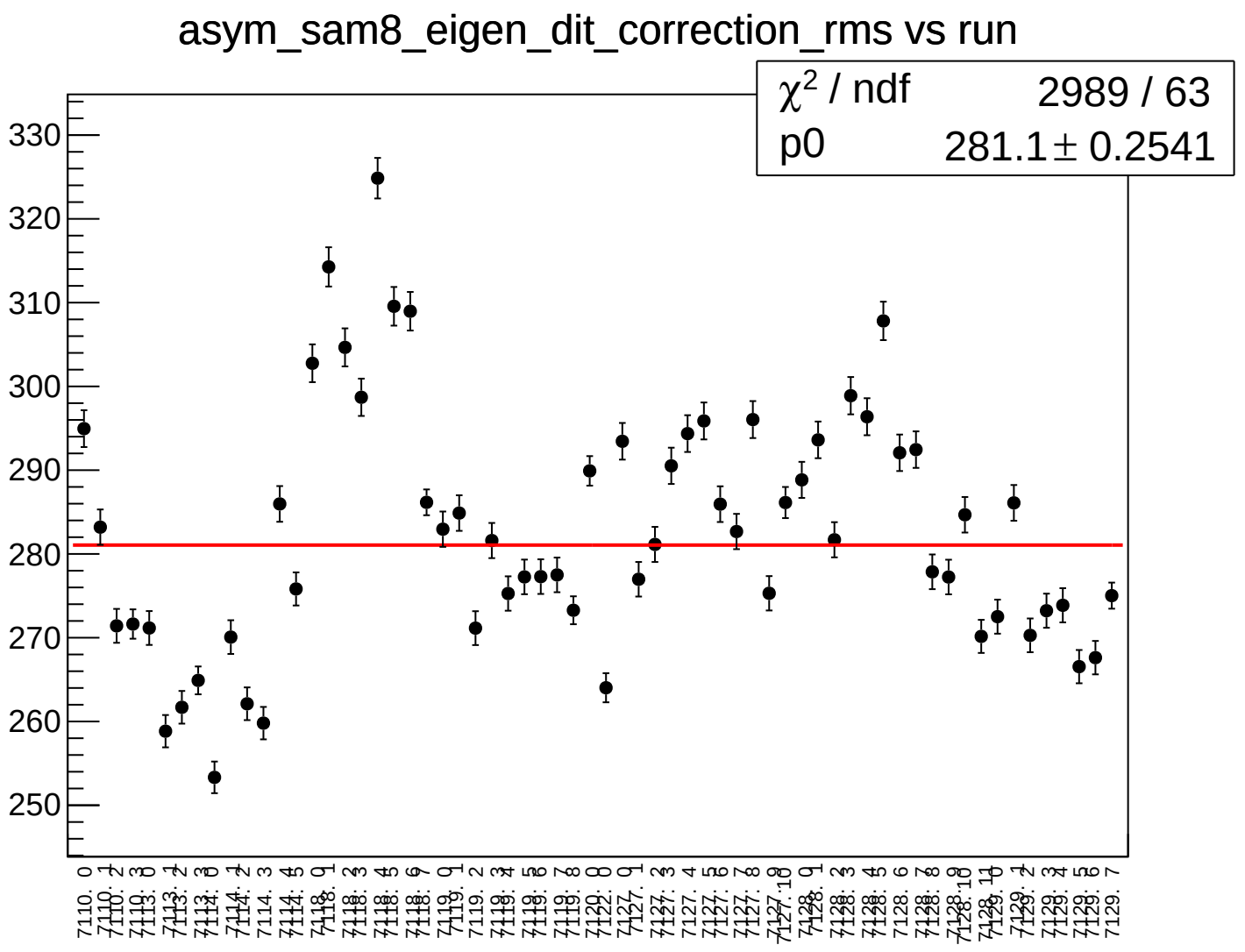

eigen_dit_asym_sam8_mean vs run
χ² / ndf 55.47 / 63
p0 −254.9 ± 84.28
pull
Entries 64
Mean −140.4
Std Dev 0

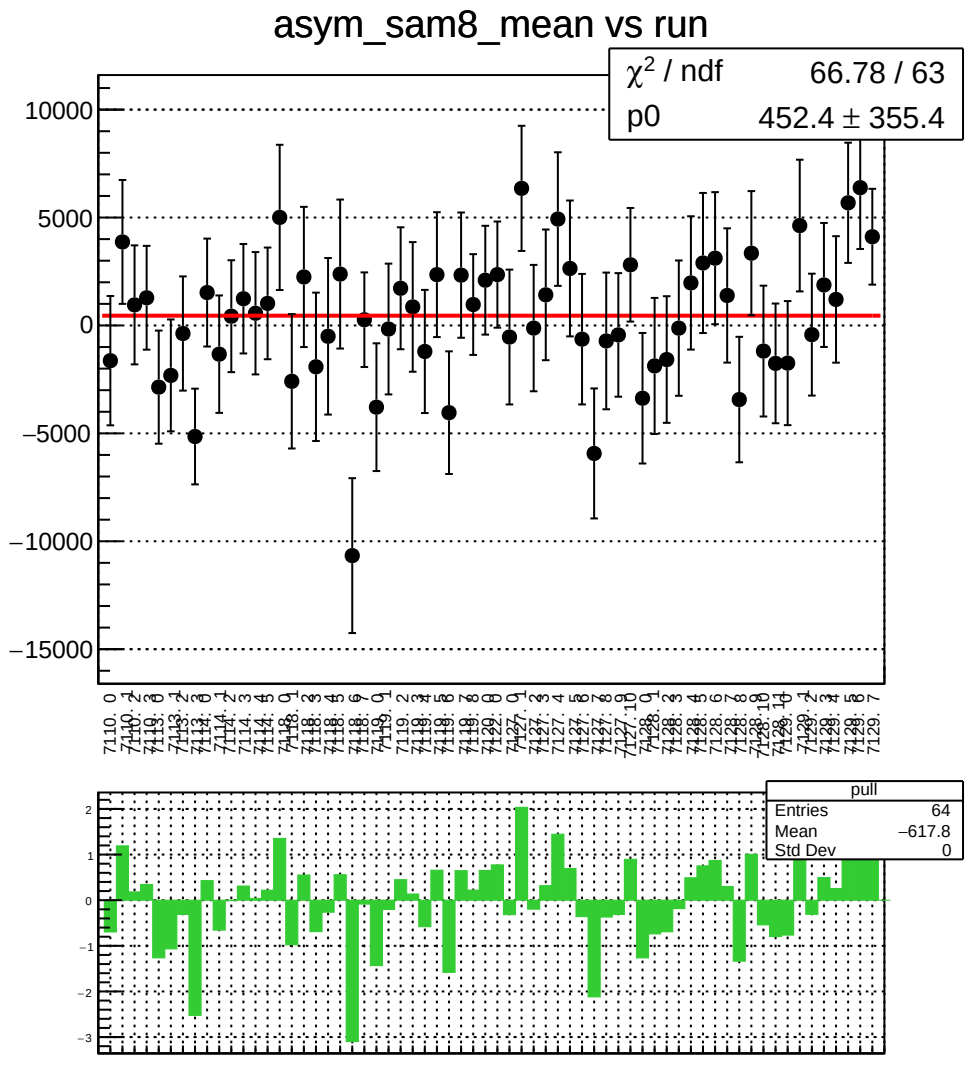

pull1D
Entries 64
Mean 0.01634
Std Dev 0.9308

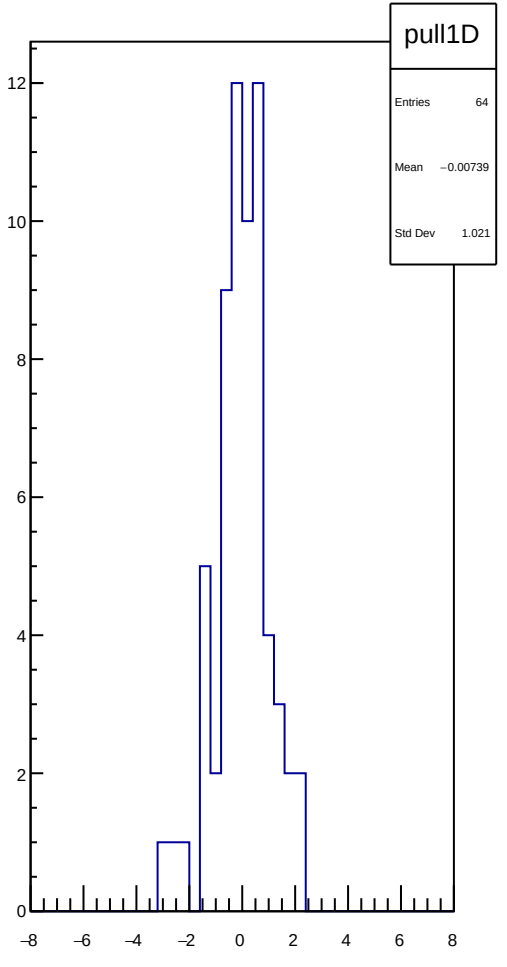

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 7.085e+04 / 63
p0 64.05 ± 0.05959
160
140
120
100
80
60

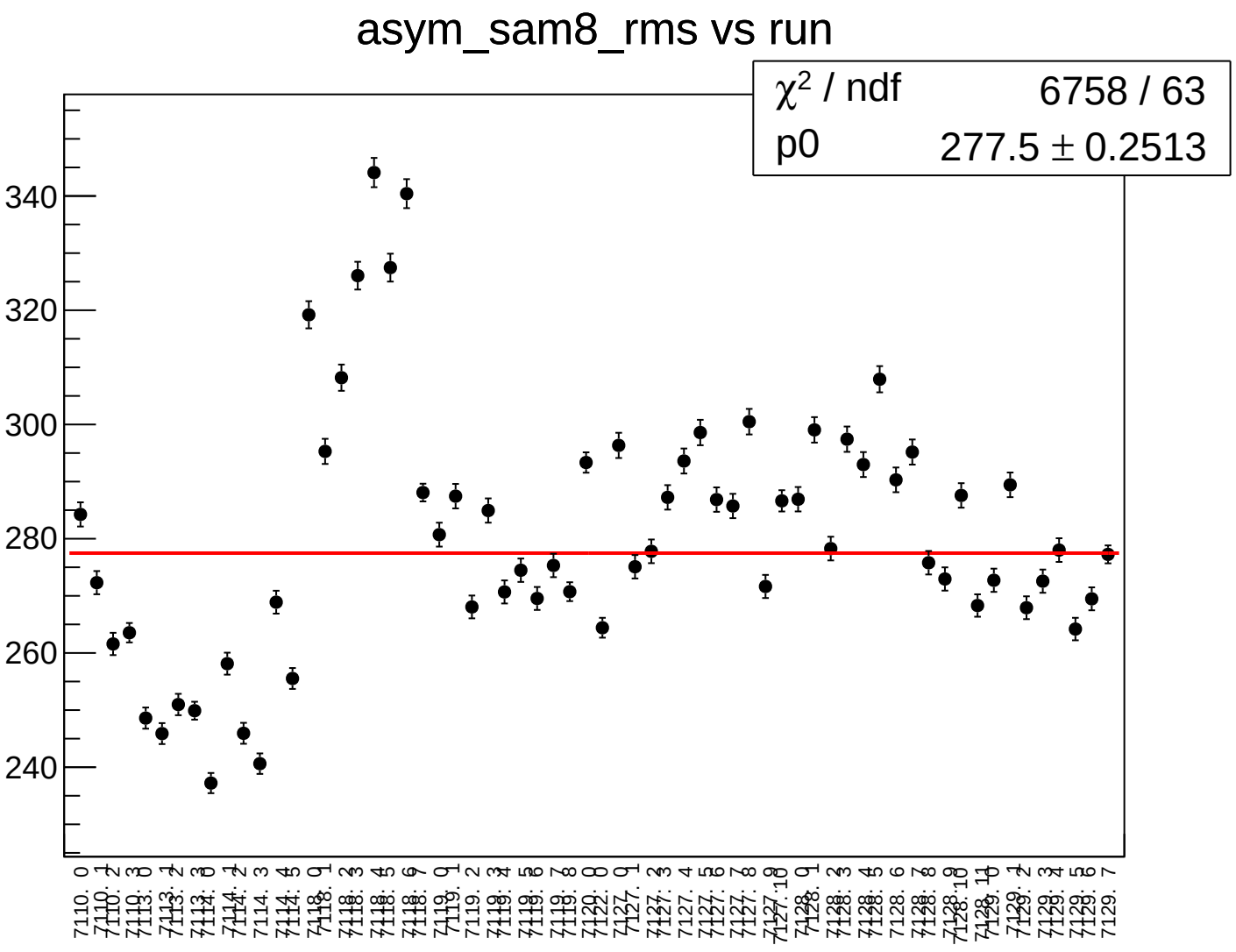

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 61.96 / 63
p0 −672.5 ± 359.4
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −494.2
Std Dev 0

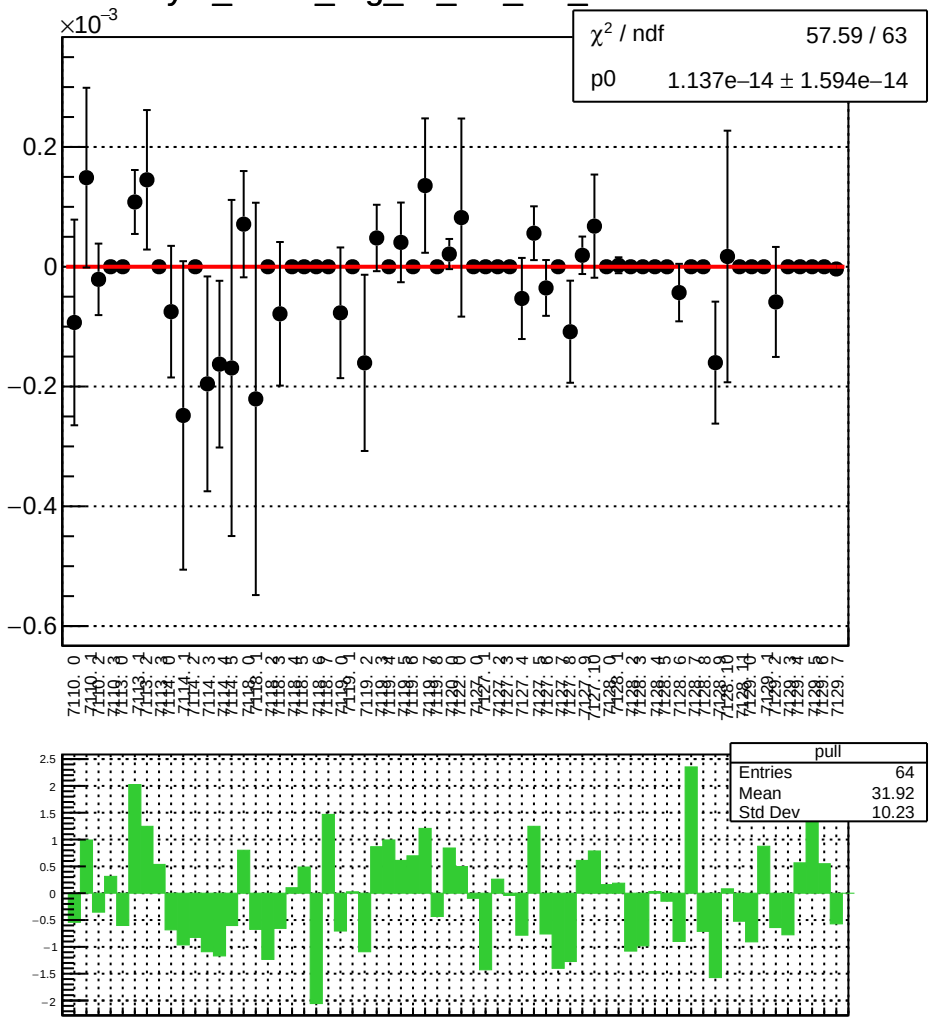

pull1D
Entries 64
Mean 0.01062
Std Dev 0.9839

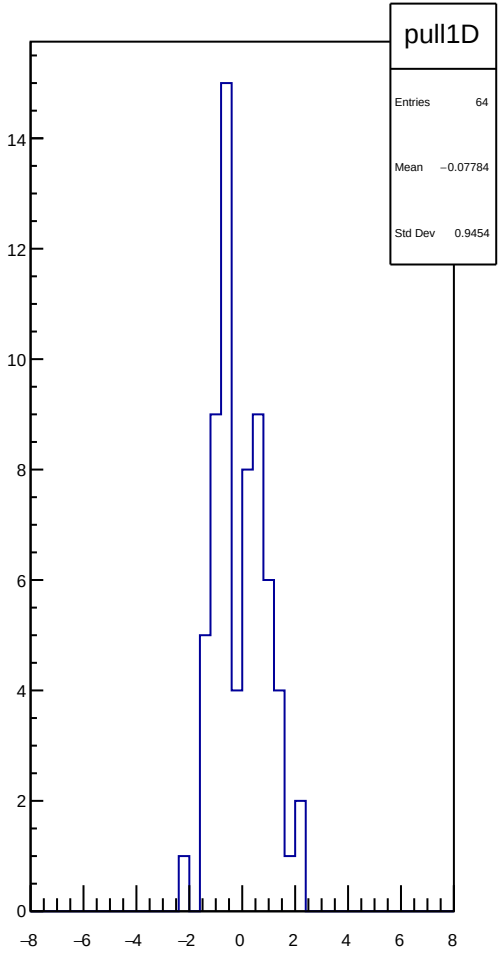

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 2989 / 63
p0 281.1 ± 0.2541
330
320
310
300
290
280
270
260
250

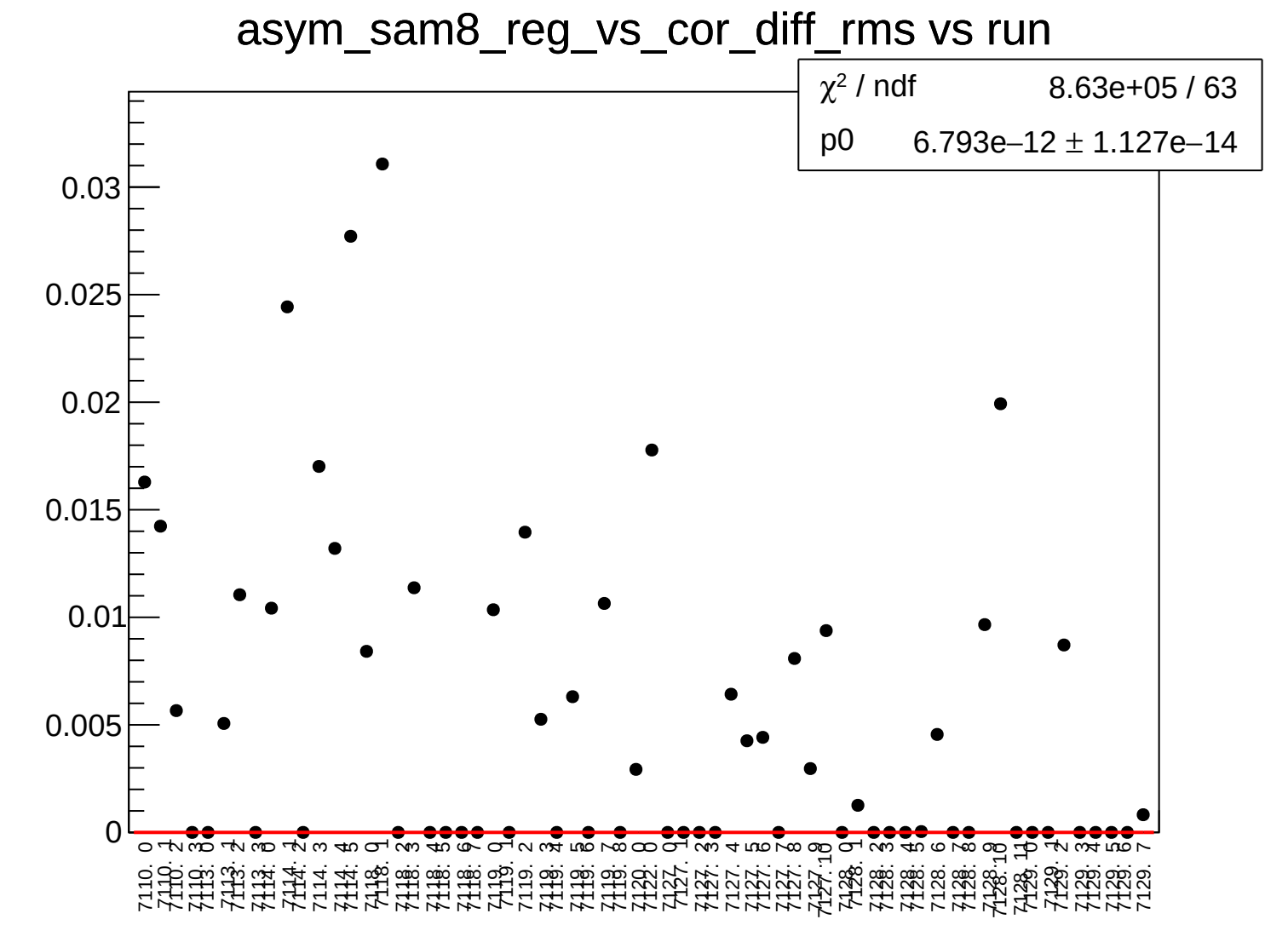

asym_sam8_mean vs run
χ² / ndf 66.78 / 63
p0 452.4 ± 355.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −617.8
Std Dev 0
2
1
0
−1
−2
−3

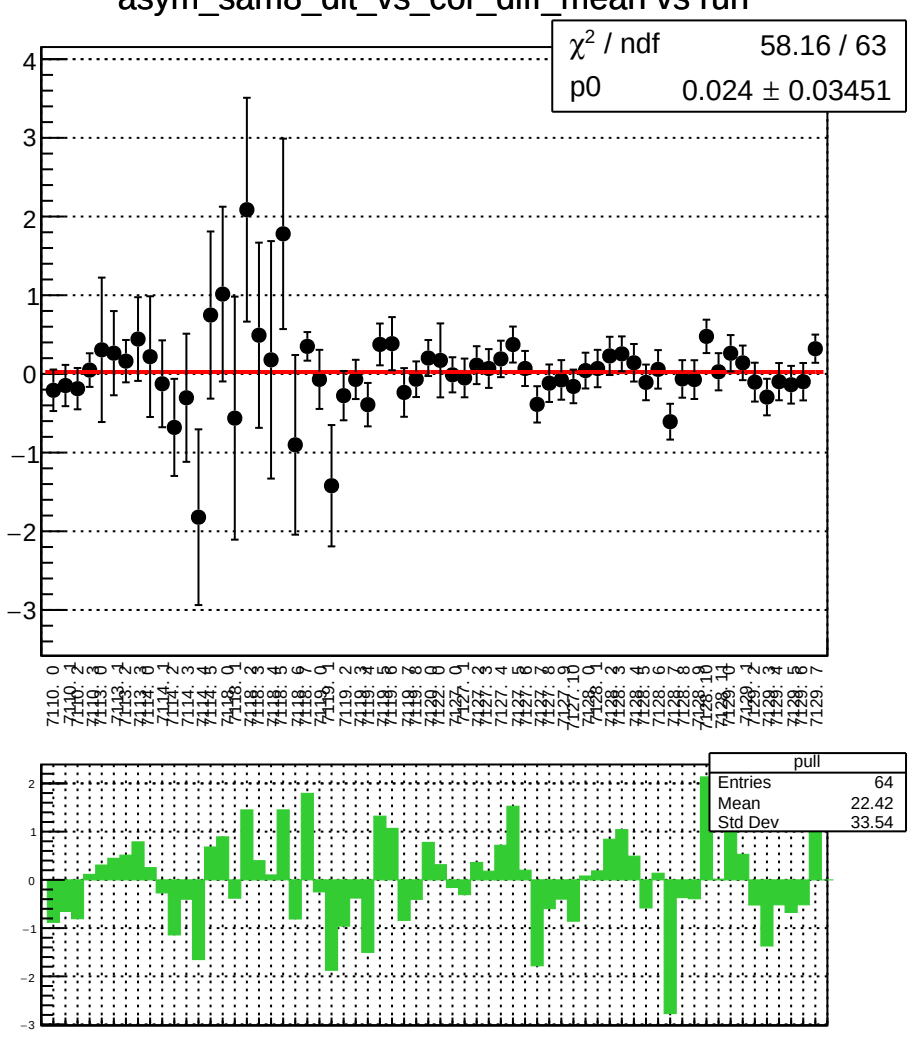

pull1D
Entries 64
Mean −0.00739
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

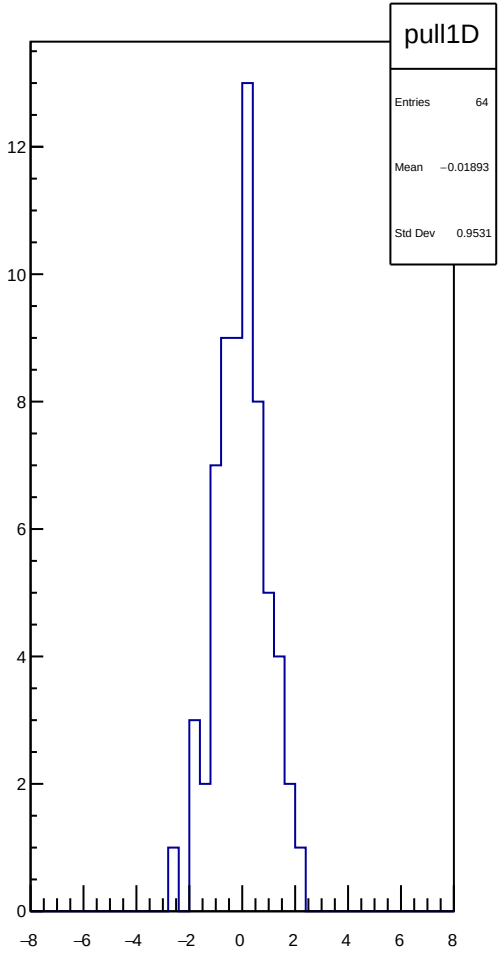

asym_sam8_rms vs run
χ^2 / ndf 6758 / 63
p0 277.5 ± 0.2513
340
320
300
280
260
240

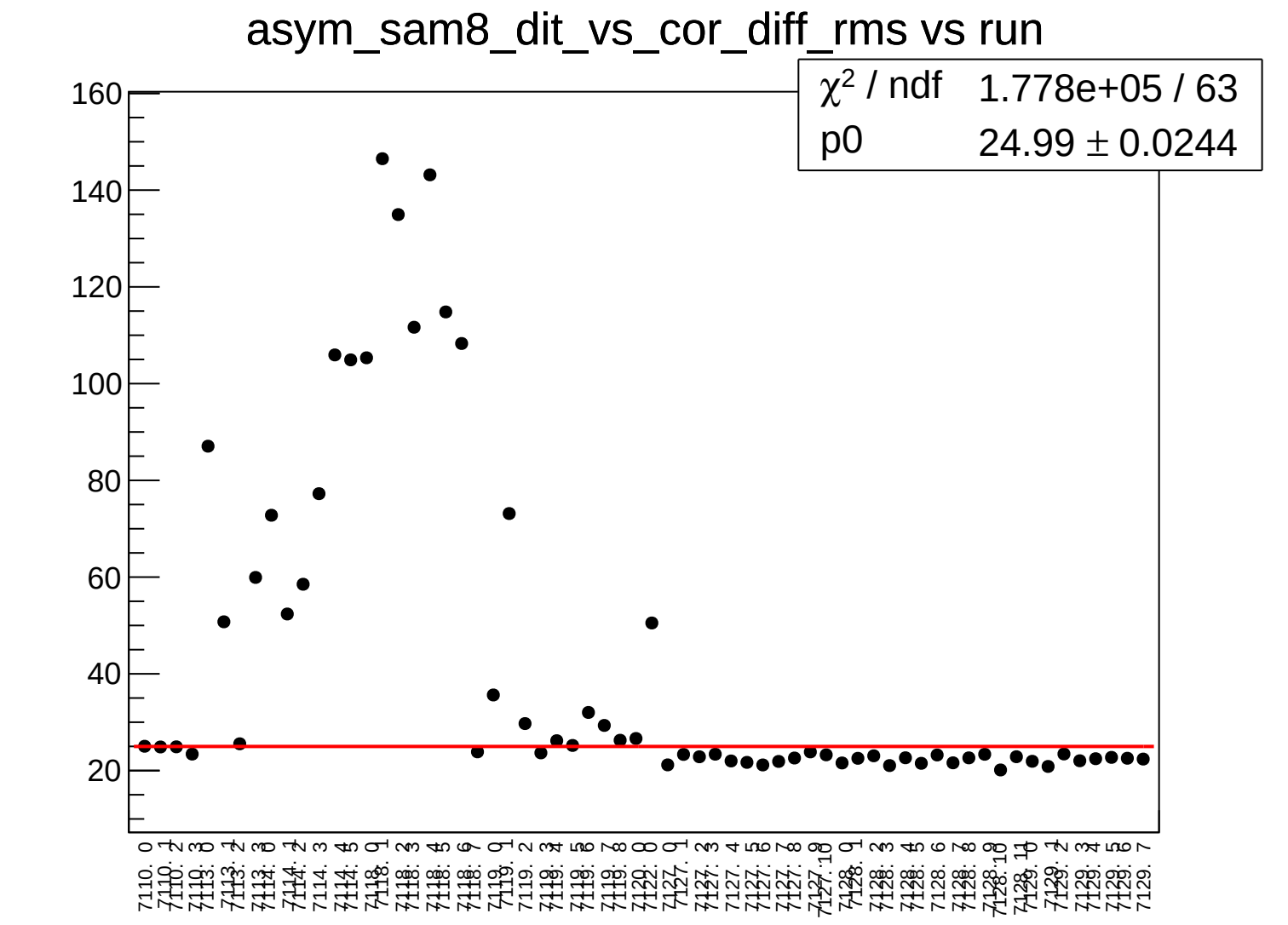

asym_sam8_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 57.59 / 63
p0 1.137e−14 ± 1.594e−14
pull
Entries 64
Mean 31.92
Std Dev 10.23

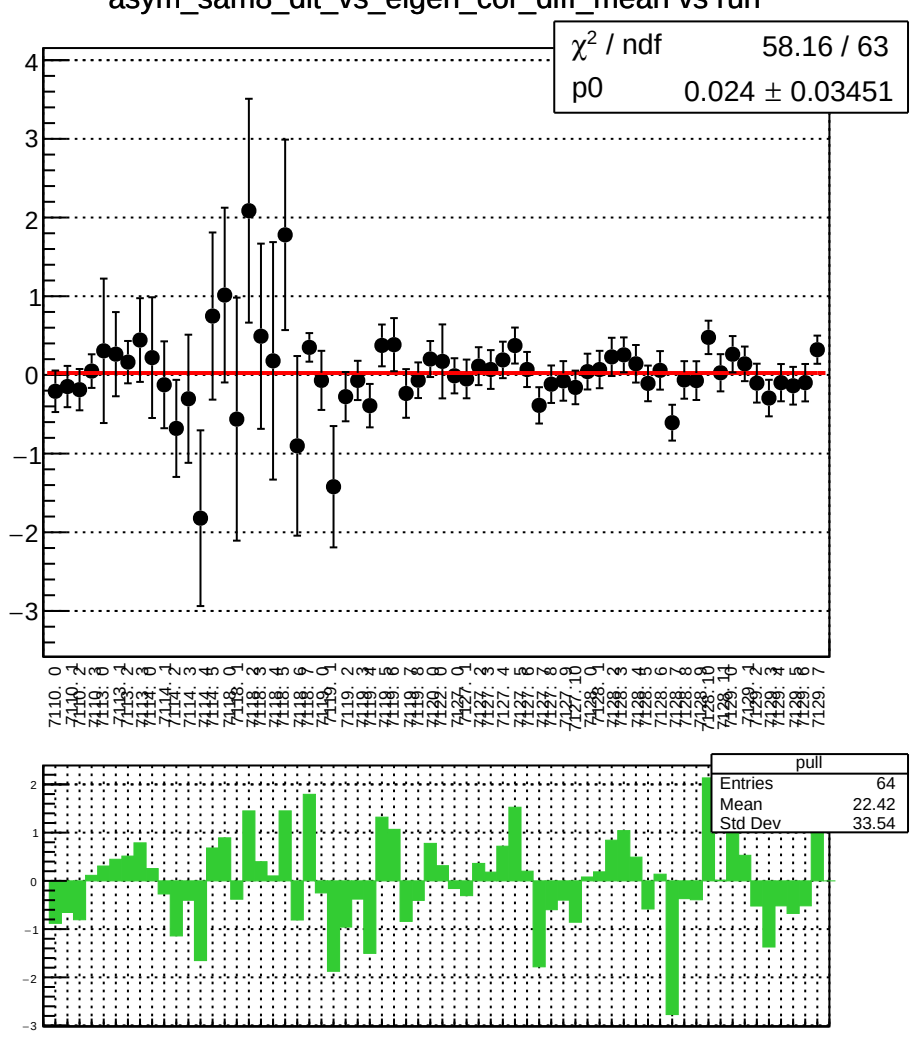

pull1D
Entries 64
Mean −0.07784
Std Dev 0.9454

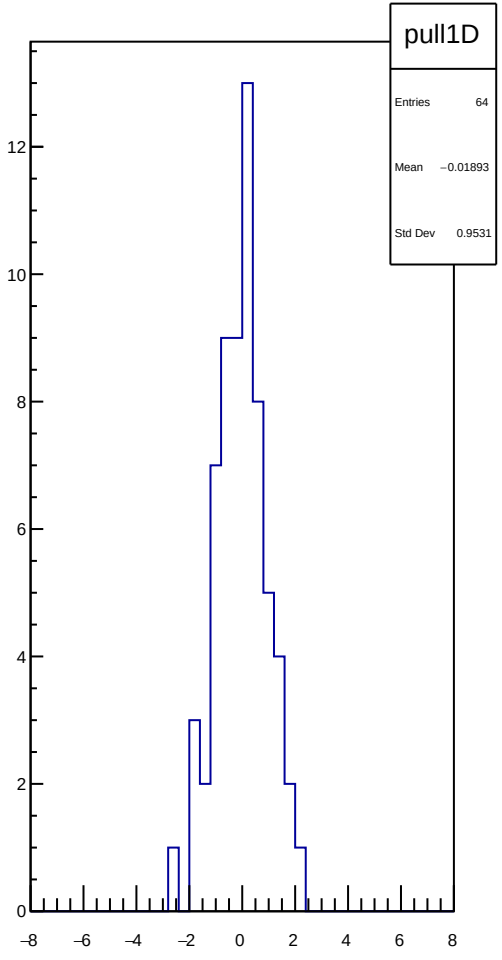

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 8.63e+05 / 63
p0 6.793e−12 ± 1.127e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

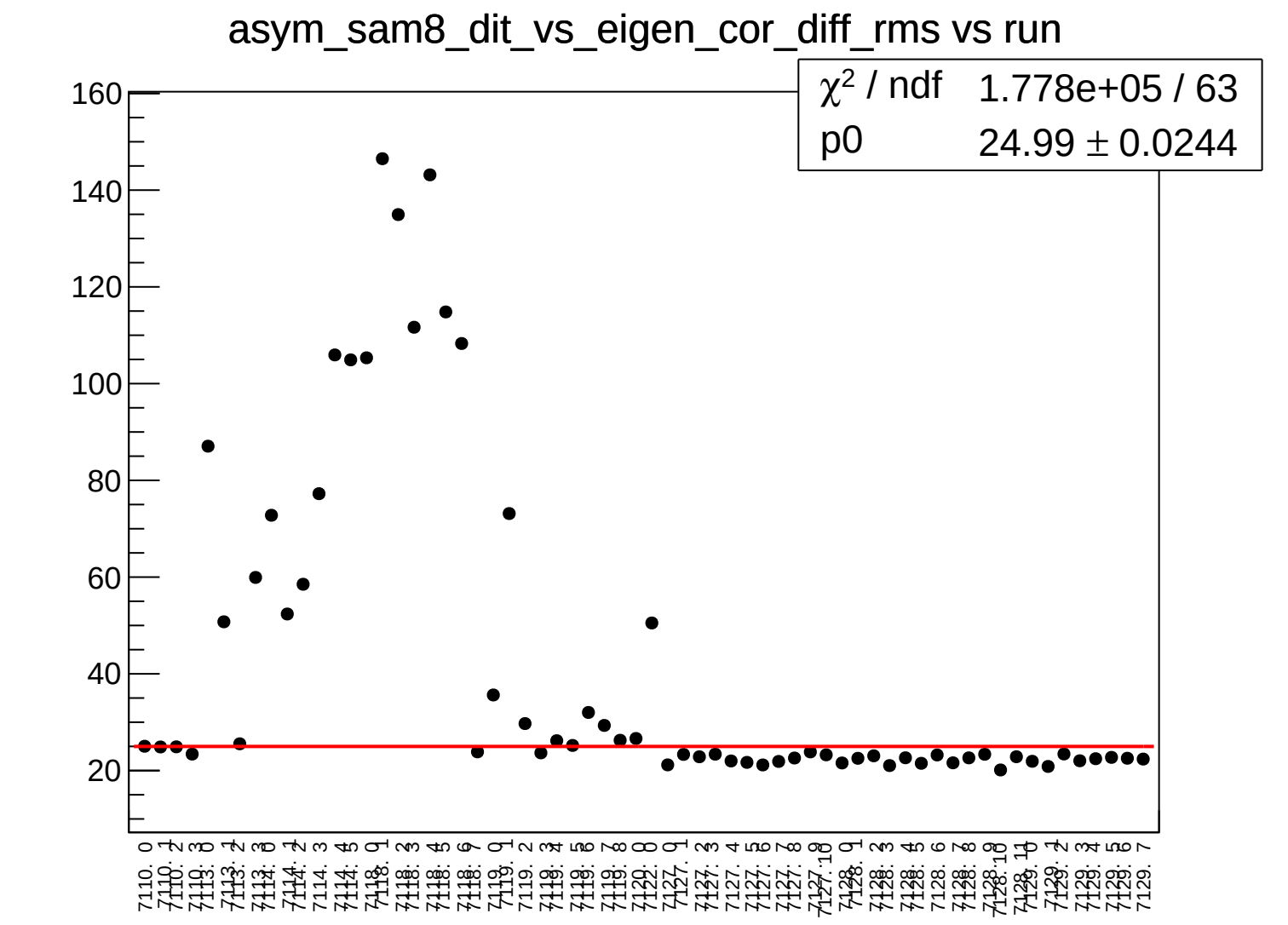

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 58.16 / 63
p0 0.024 ± 0.03451
pull
Entries 64
Mean 22.42
Std Dev 33.54

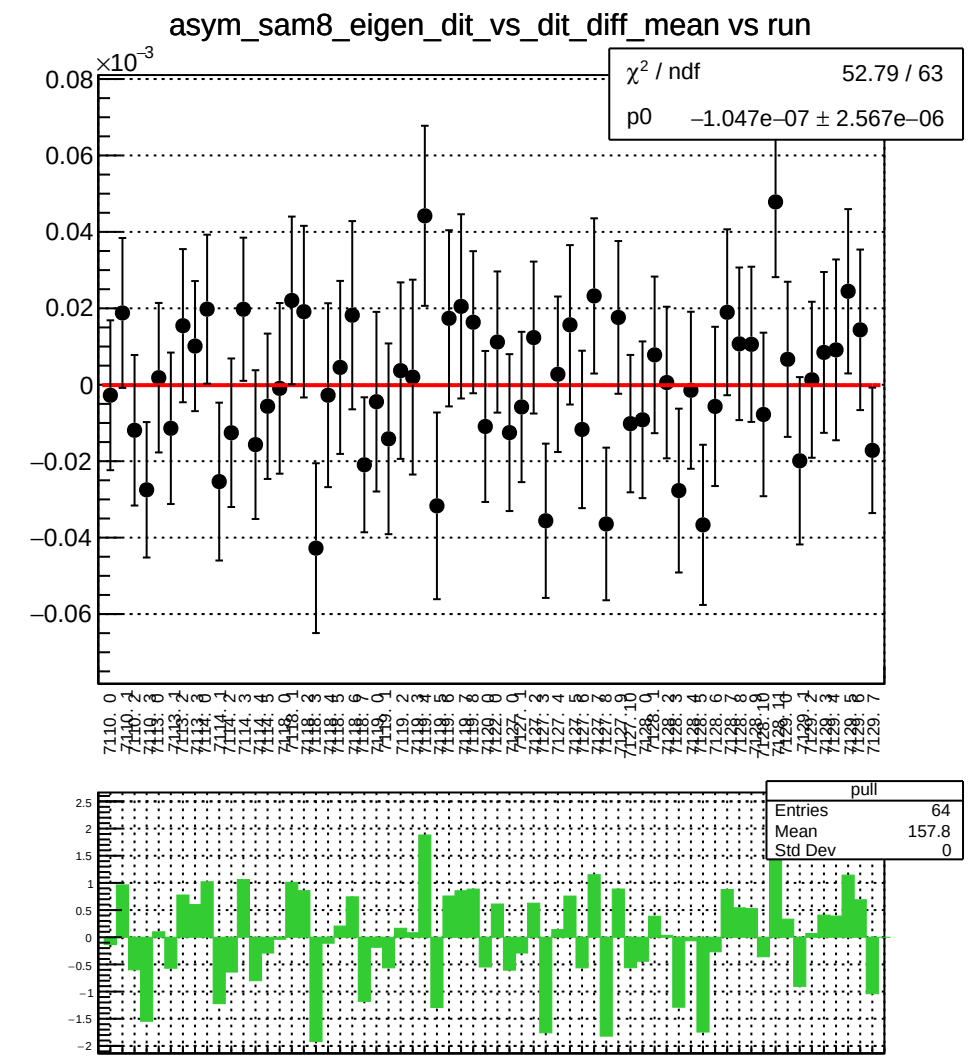

pull1D
Entries 64
Mean −0.01893
Std Dev 0.9531

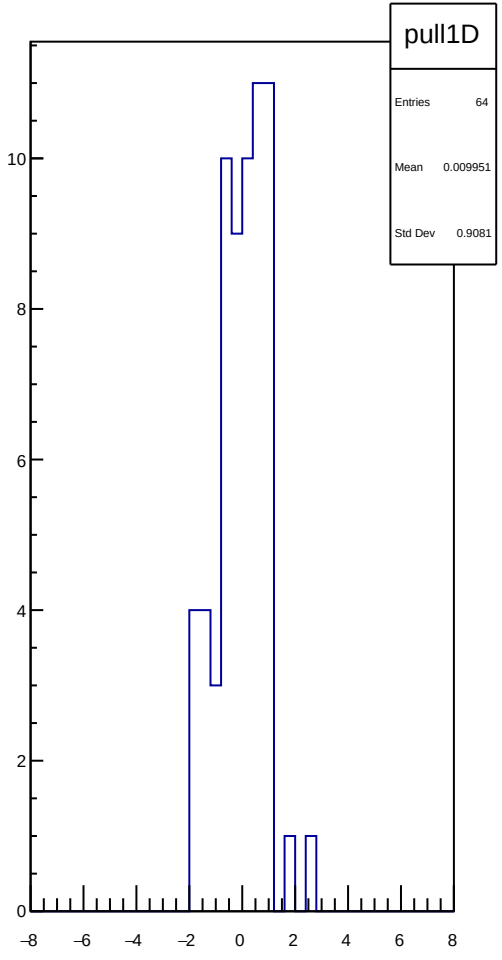

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 24.99 ± 0.0244
160
140
120
100
80
60
40
20

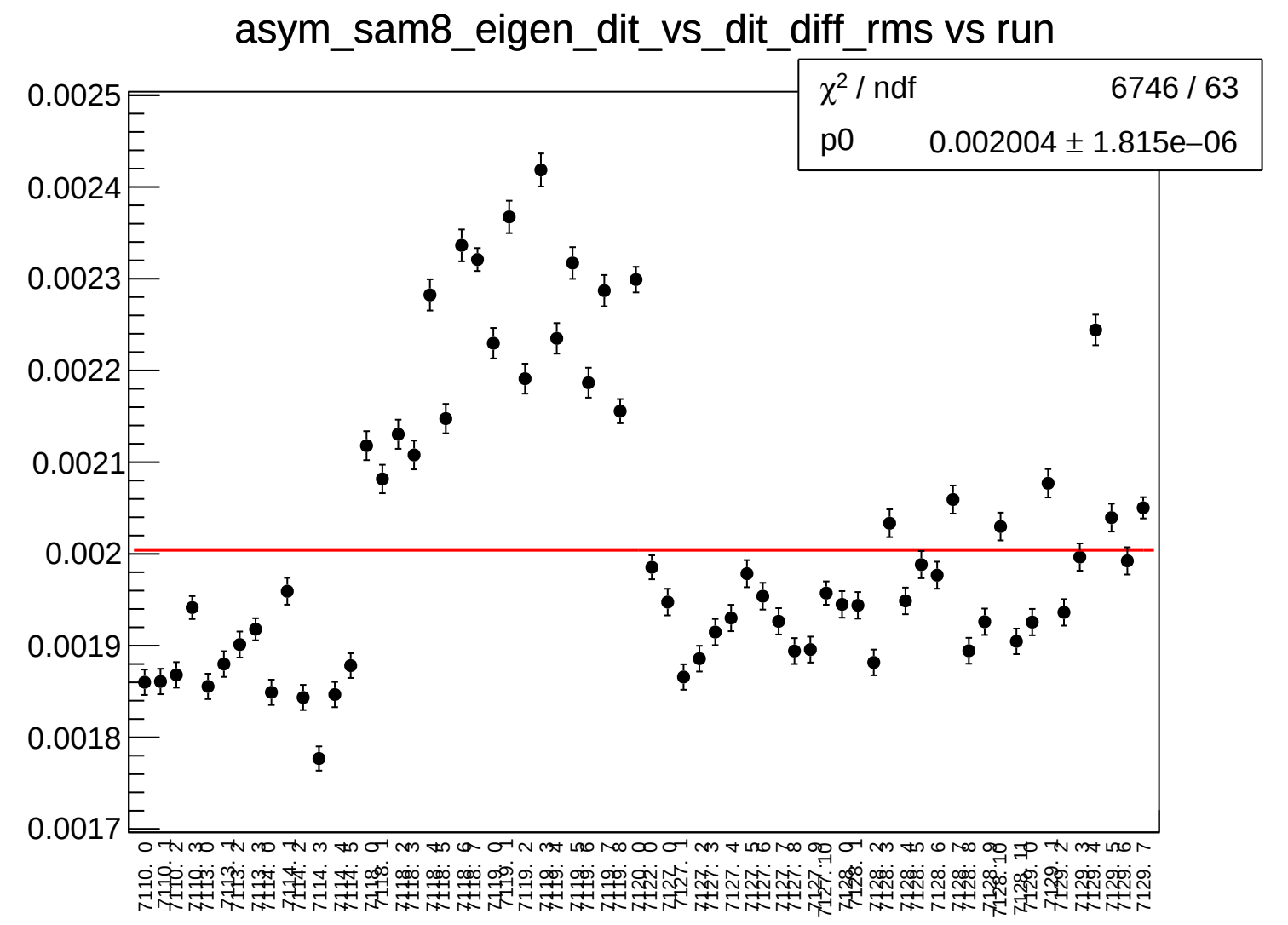

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.16 / 63
p0 0.024 ± 0.03451
pull
Entries 64
Mean 22.42
Std Dev 33.54

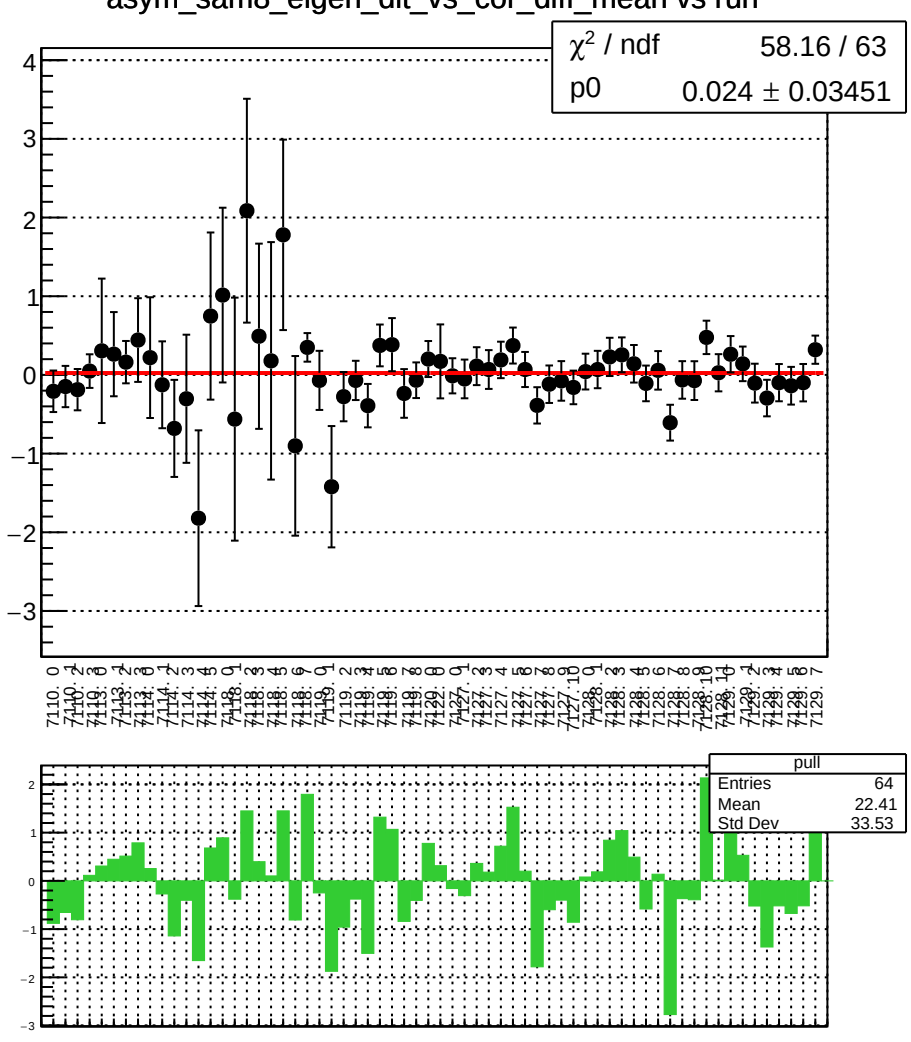

pull1D
Entries 64
Mean −0.01893
Std Dev 0.9531

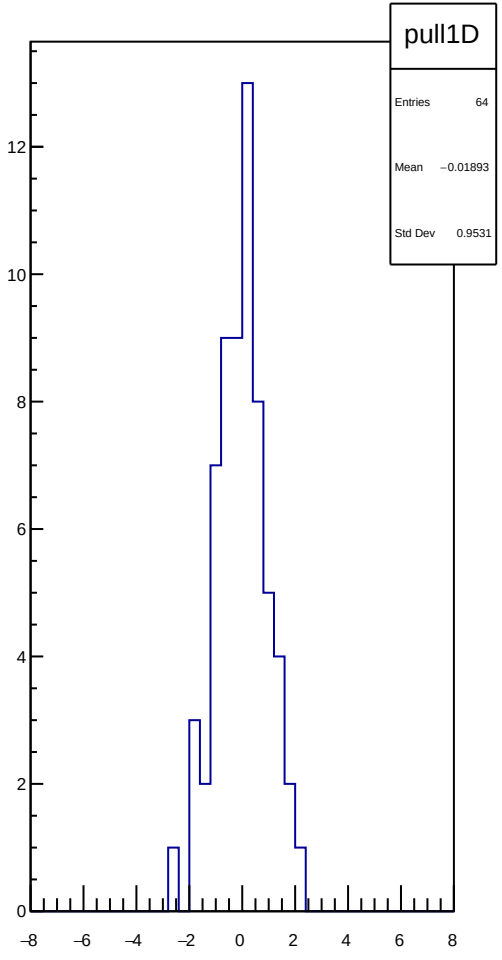

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 24.99 ± 0.0244
160
140
120
100
80
60
40
20

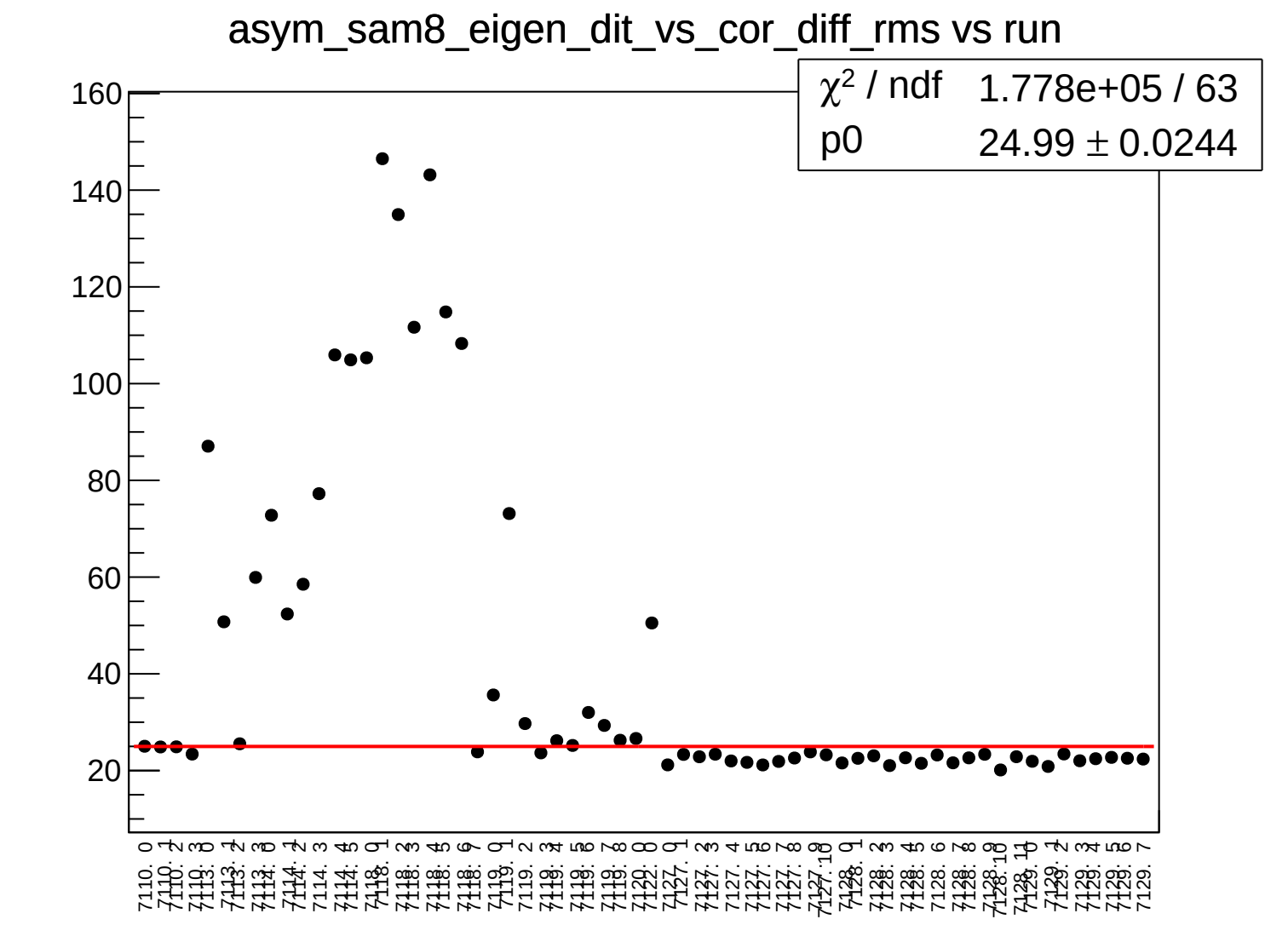

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.79 / 63
p0 −1.047e−07 ± 2.567e−06
pull
Entries 64
Mean 157.8
Std Dev 0

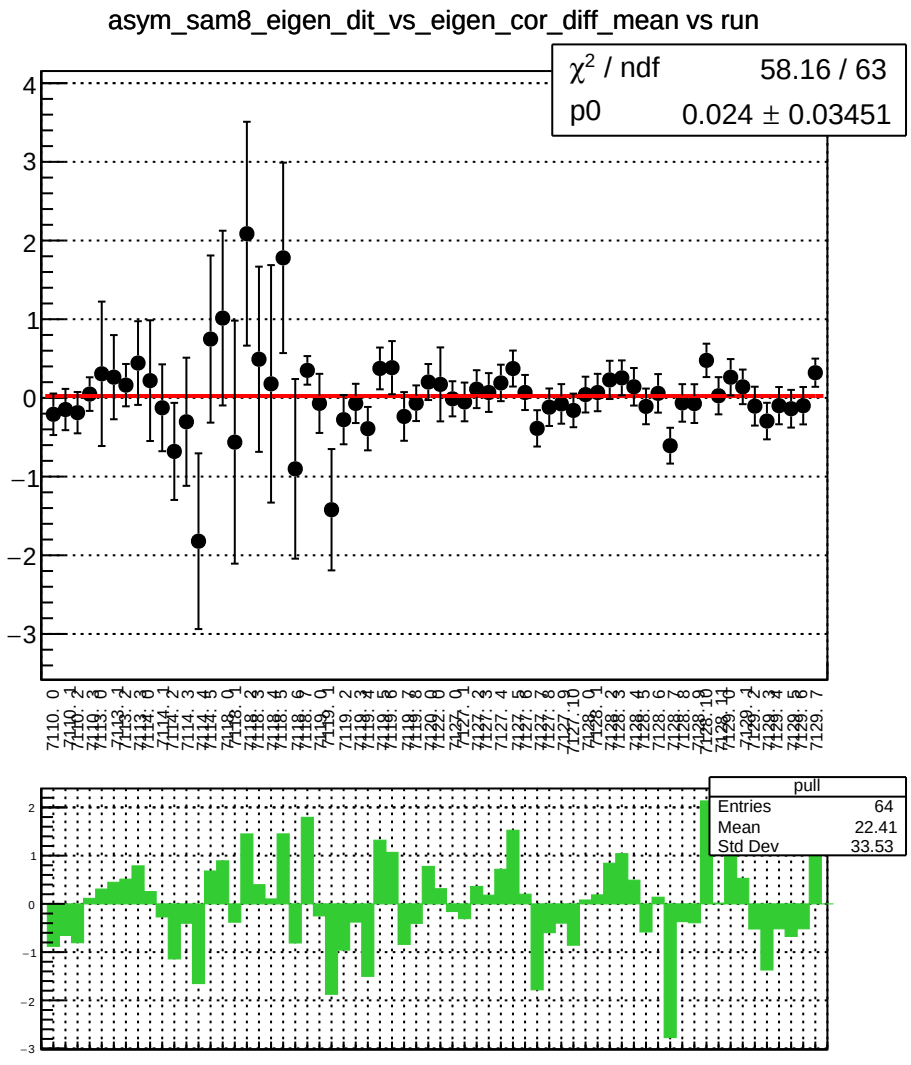

pull1D
Entries 64
Mean 0.009951
Std Dev 0.9081

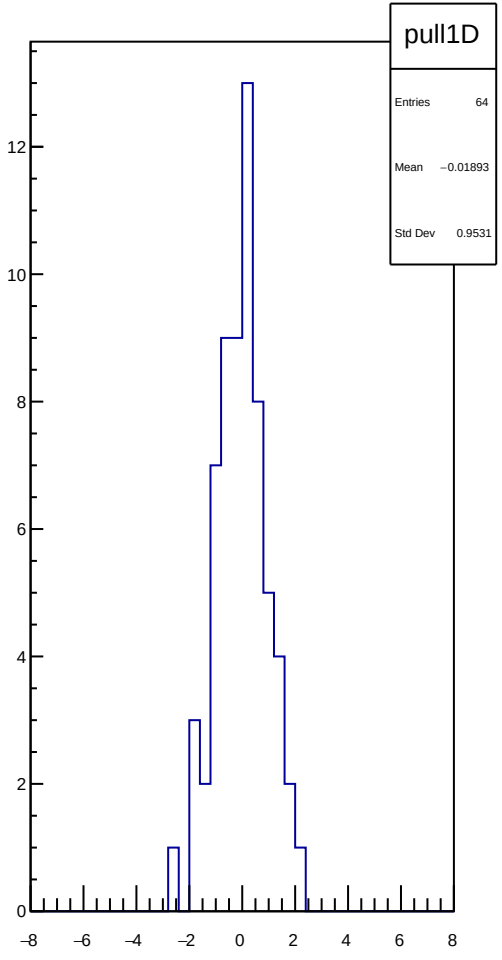

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6746 / 63
p0 0.002004 ± 1.815e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

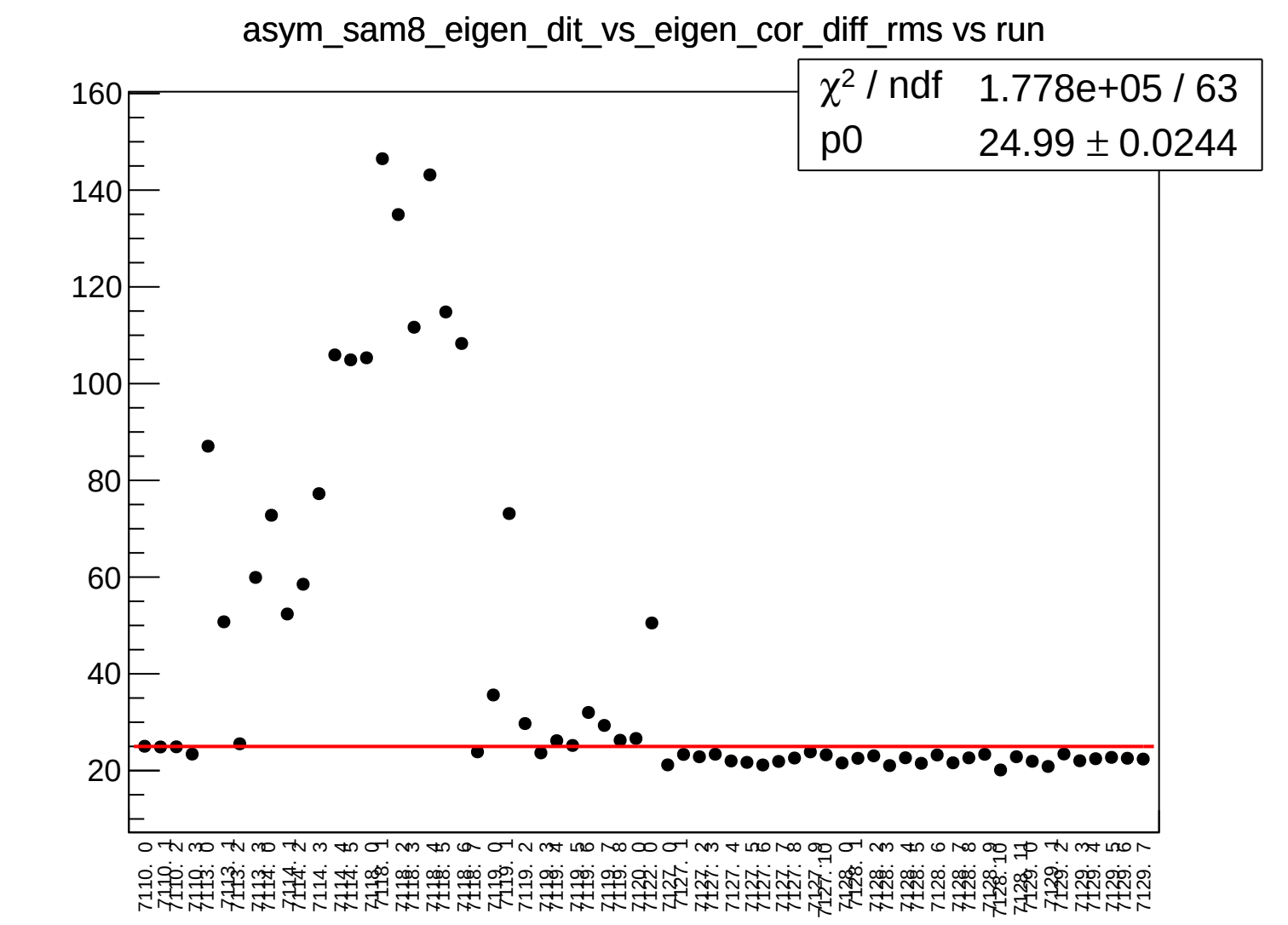

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.16 / 63
p0 0.024 ± 0.03451
pull
Entries 64
Mean 22.41
Std Dev 33.53

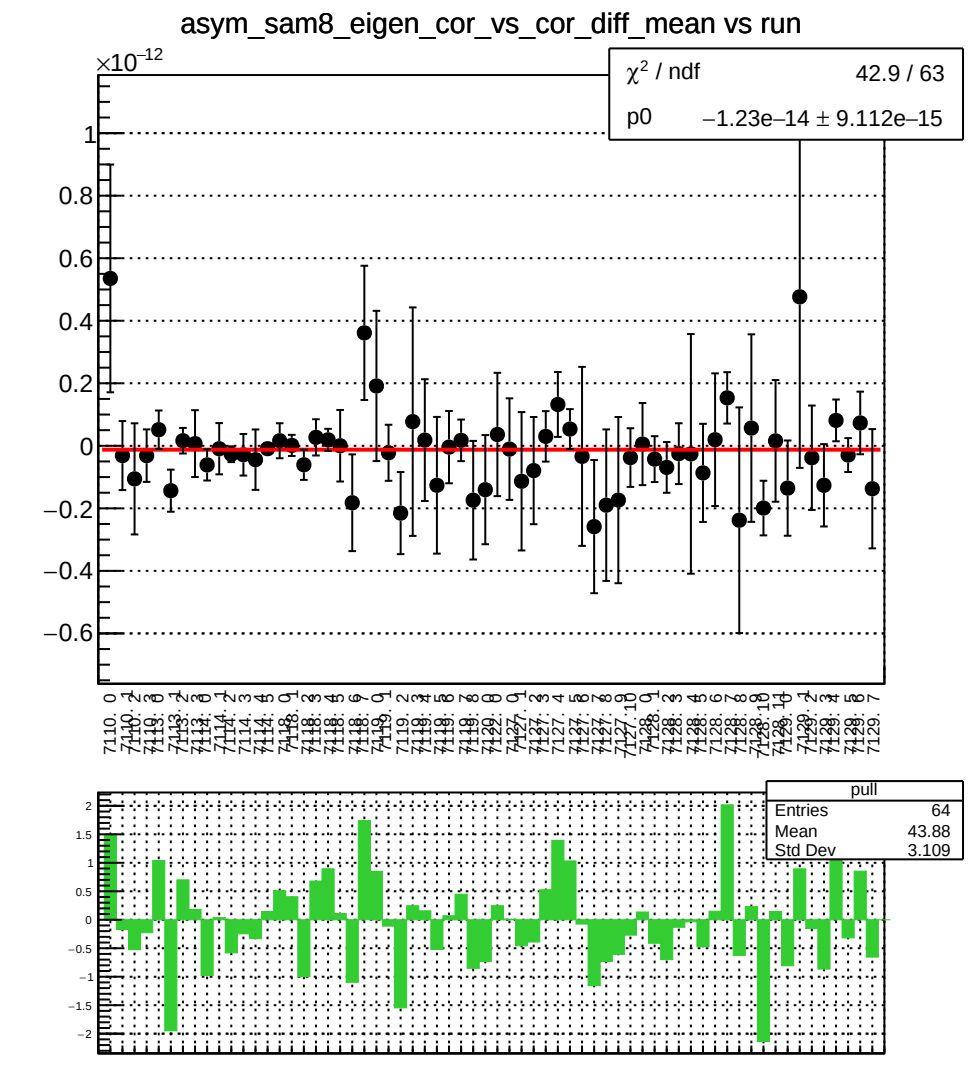

pull1D
Entries 64
Mean −0.01893
Std Dev 0.9531

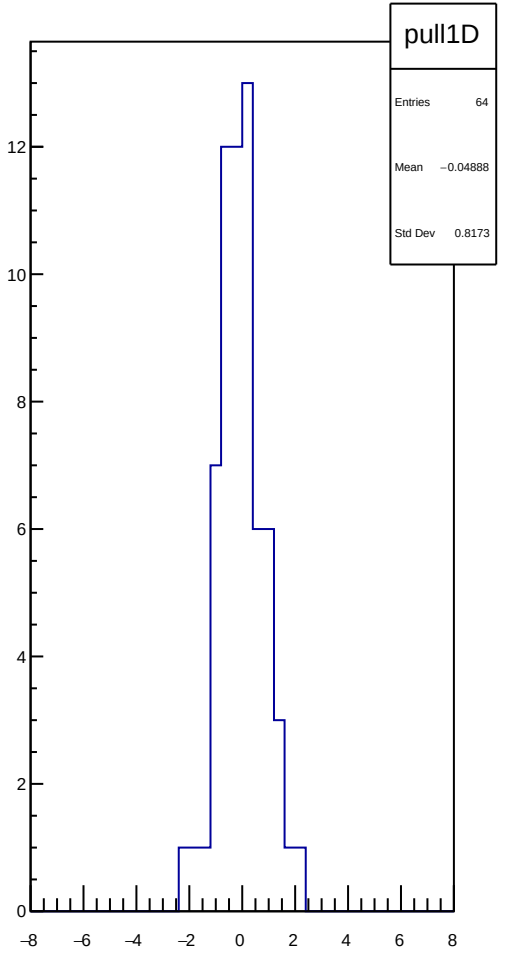

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 24.99 ± 0.0244
160
140
120
100
80
60
40
20

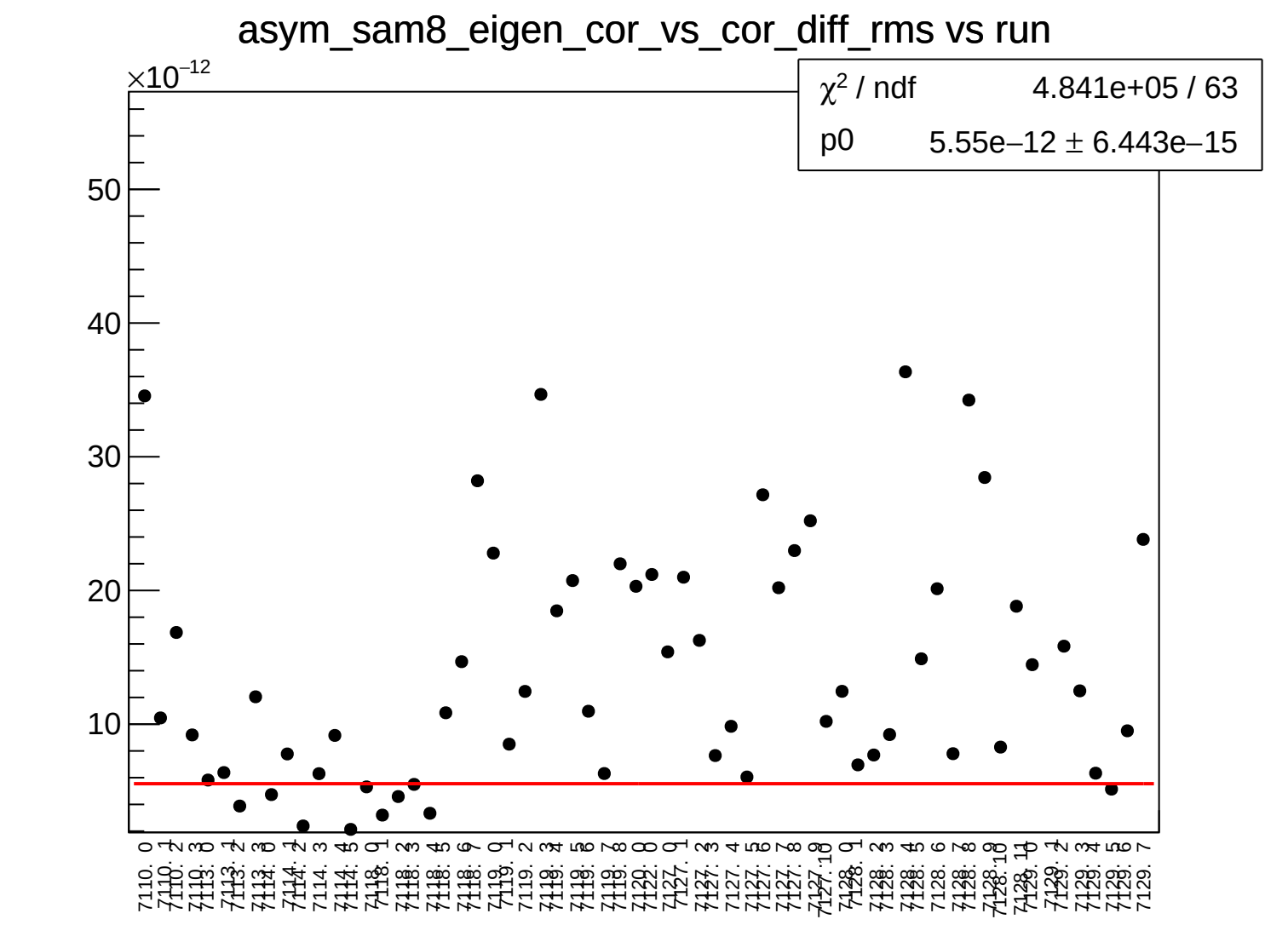

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.16 / 63
p0 0.024 ± 0.03451
pull
Entries 64
Mean 22.41
Std Dev 33.53

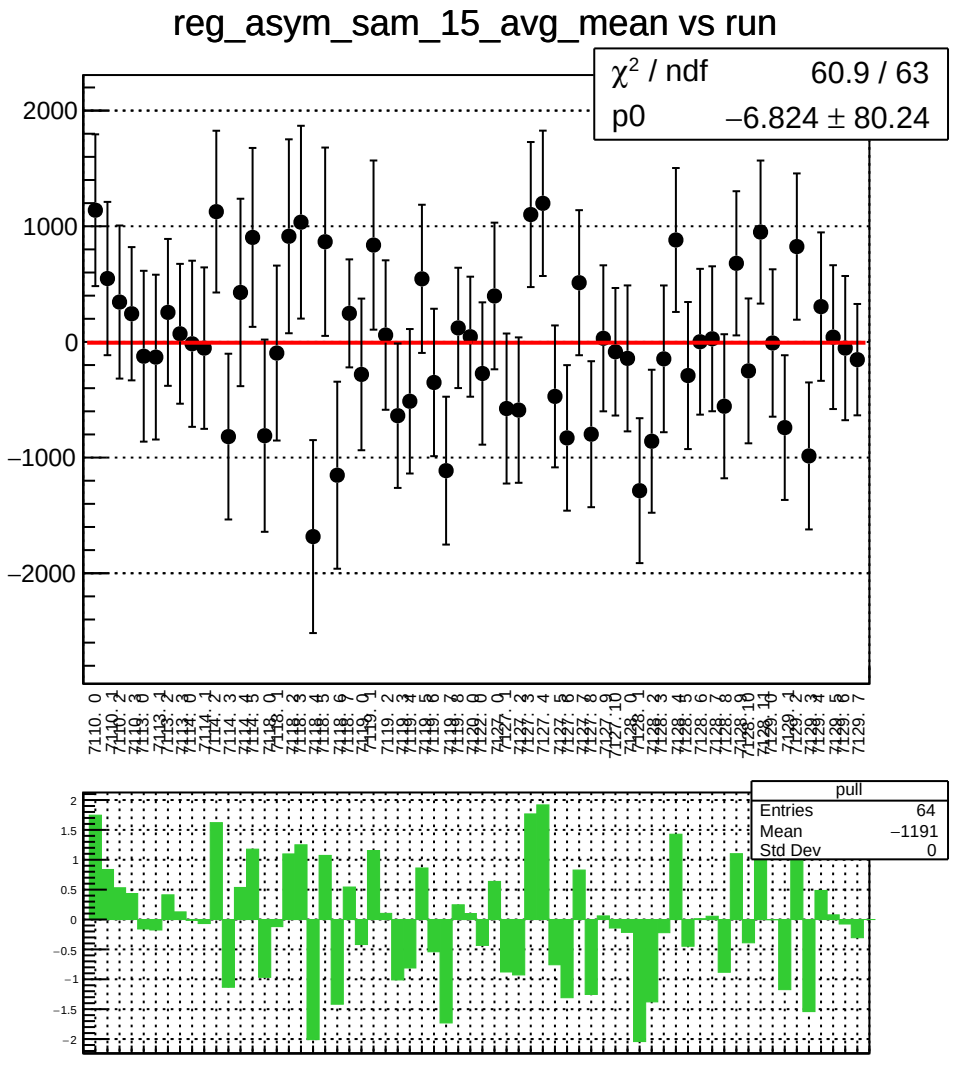

pull1D
Entries 64
Mean −0.01893
Std Dev 0.9531

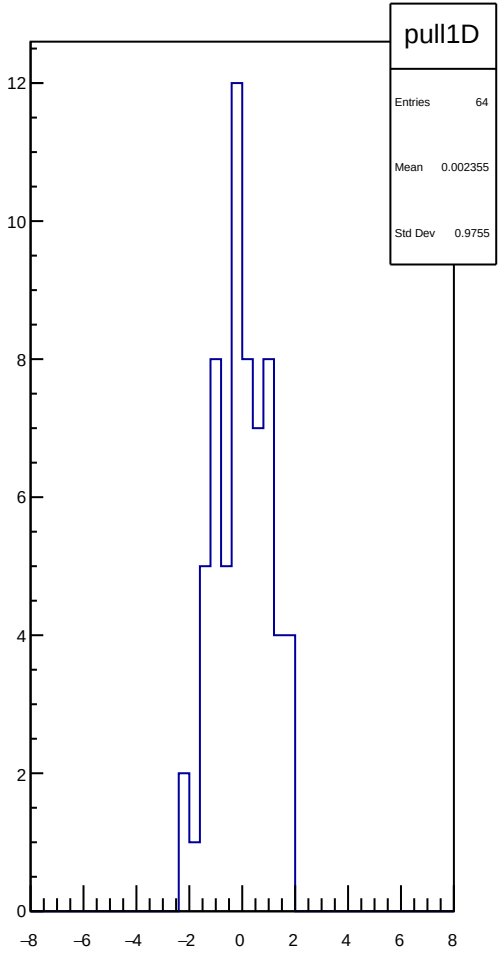

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.778e+05 / 63
p0 24.99 ± 0.0244
160
140
120
100
80
60
40
20

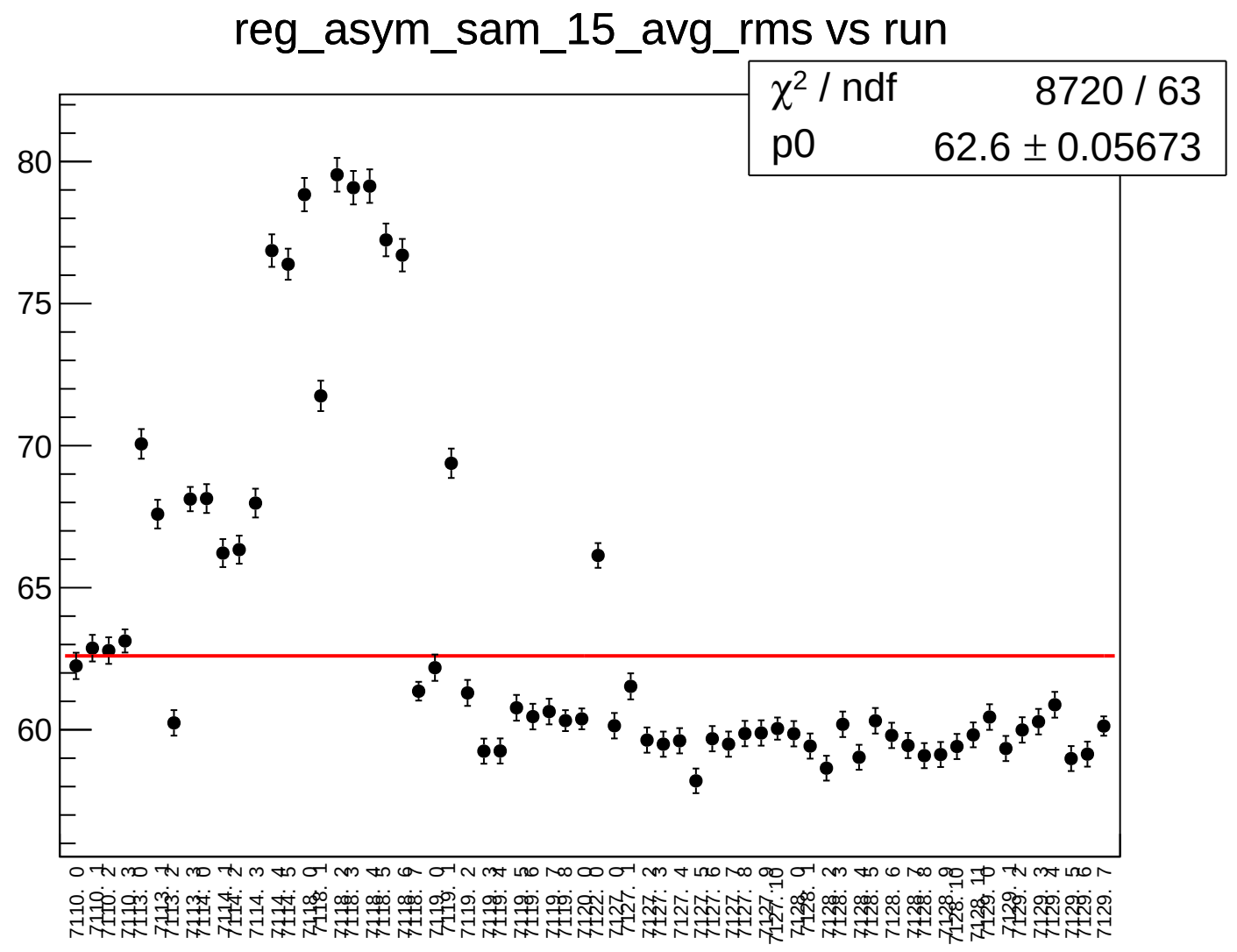

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.9 / 63
p0 −1.23e−14 ± 9.112e−15
pull
Entries 64
Mean 43.88
Std Dev 3.109

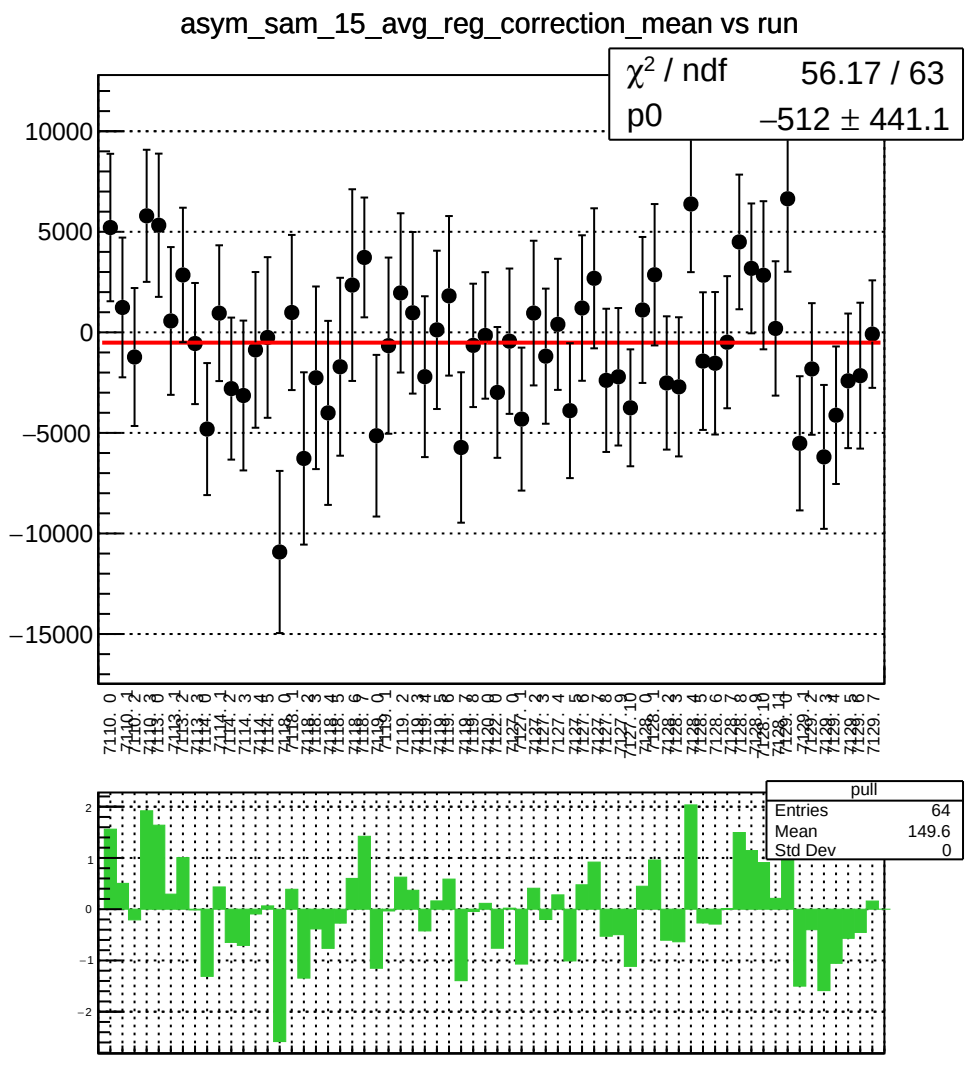

pull1D
Entries 64
Mean −0.04888
Std Dev 0.8173

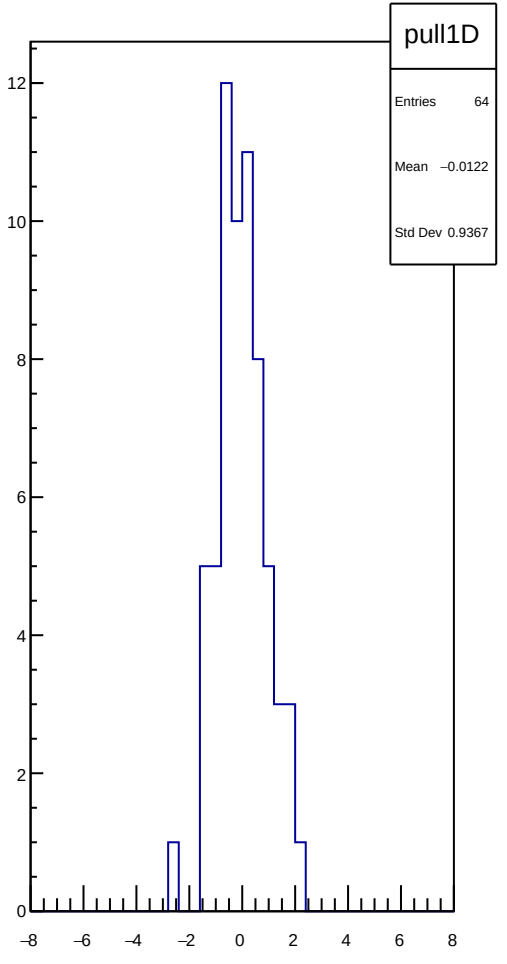

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.841e+05 / 63
p0 5.55e−12 ± 6.443e−15
50
40
30
20
10

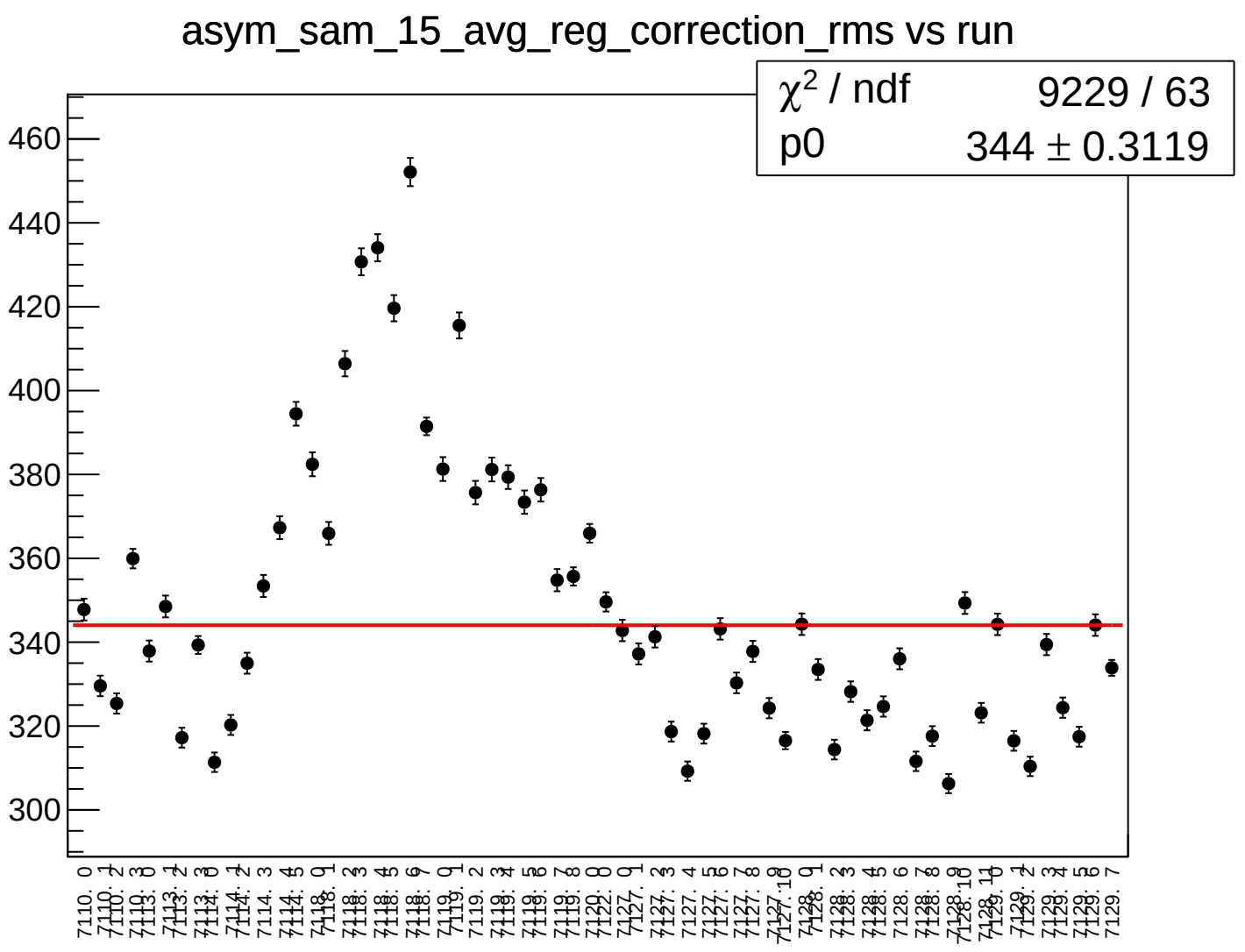

reg_asym_sam_15_avg_mean vs run
χ² / ndf 60.9 / 63
p0 −6.824 ± 80.24
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −1191
Std Dev 0

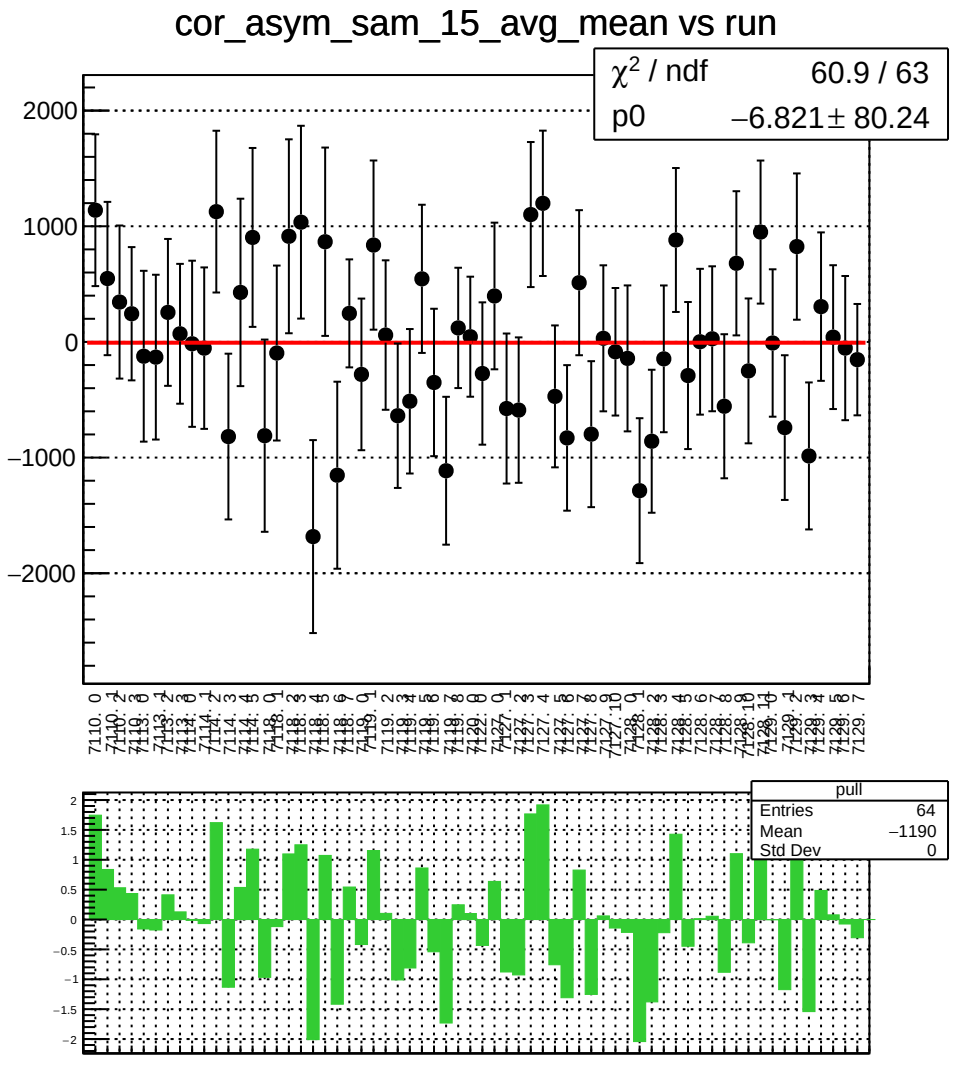

pull1D
Entries 64
Mean 0.002355
Std Dev 0.9755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

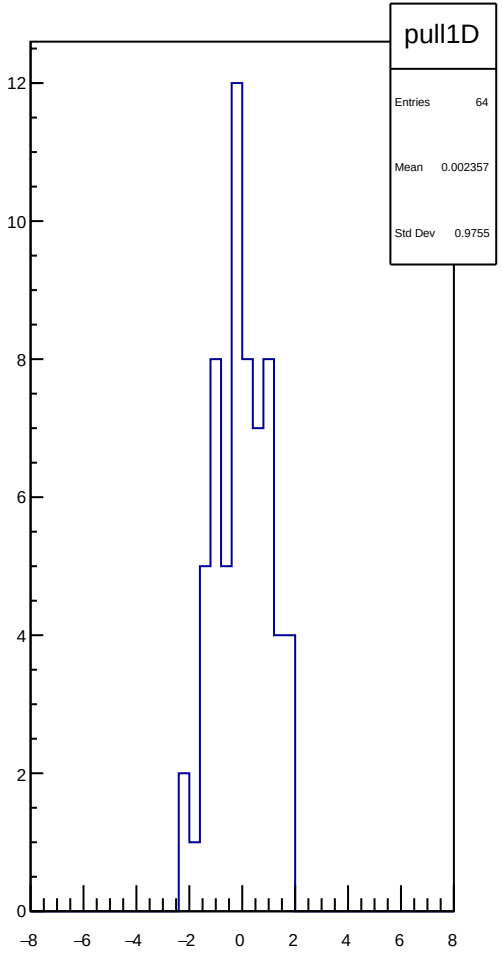

reg_asym_sam_15_avg_rms vs run
χ² / ndf 8720 / 63
p0 62.6 ± 0.05673
80
75
70
65
60

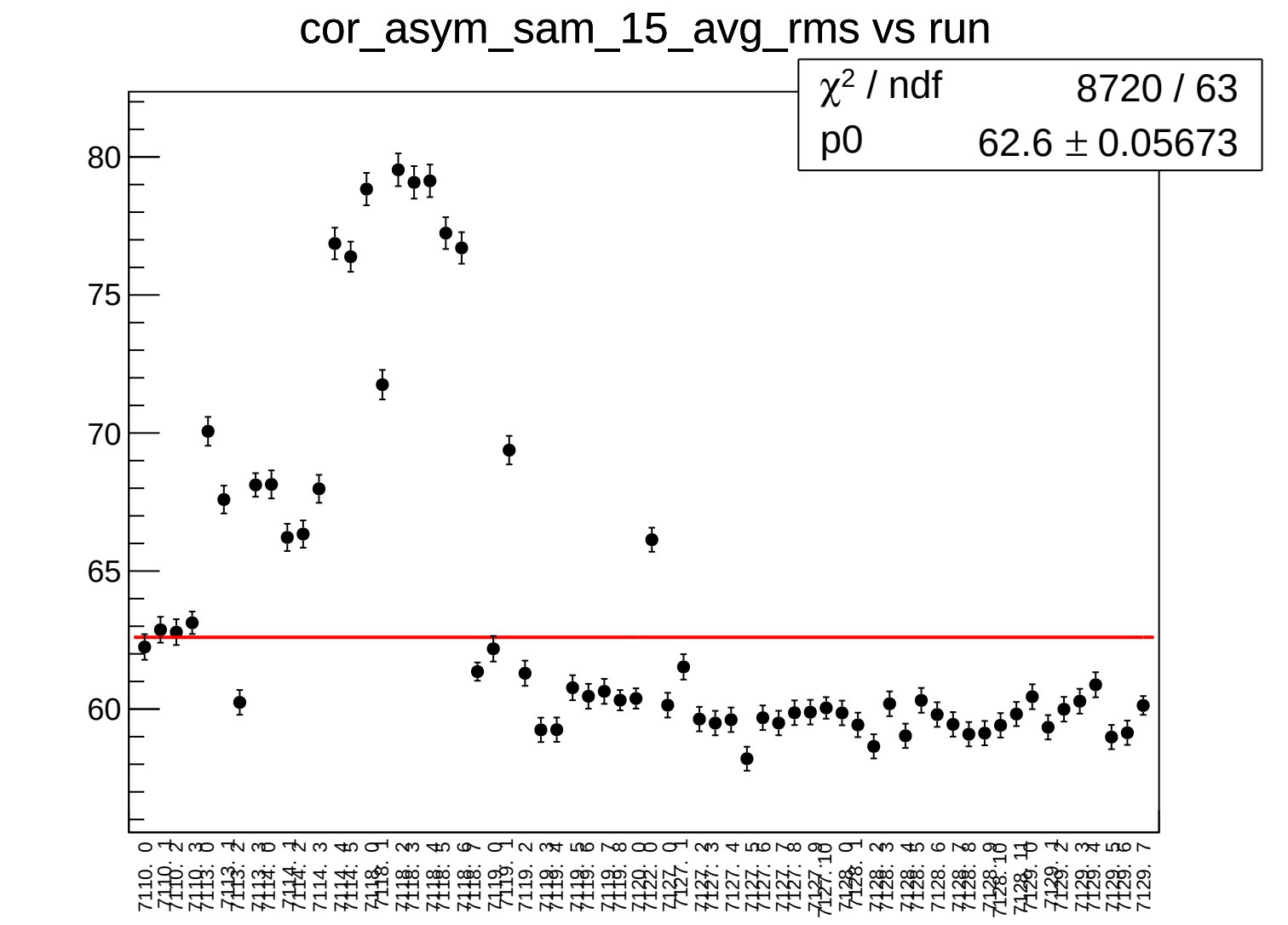

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 56.17 / 63
p0 −512 ± 441.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 149.6
Std Dev 0
2
1
0
−1
−2

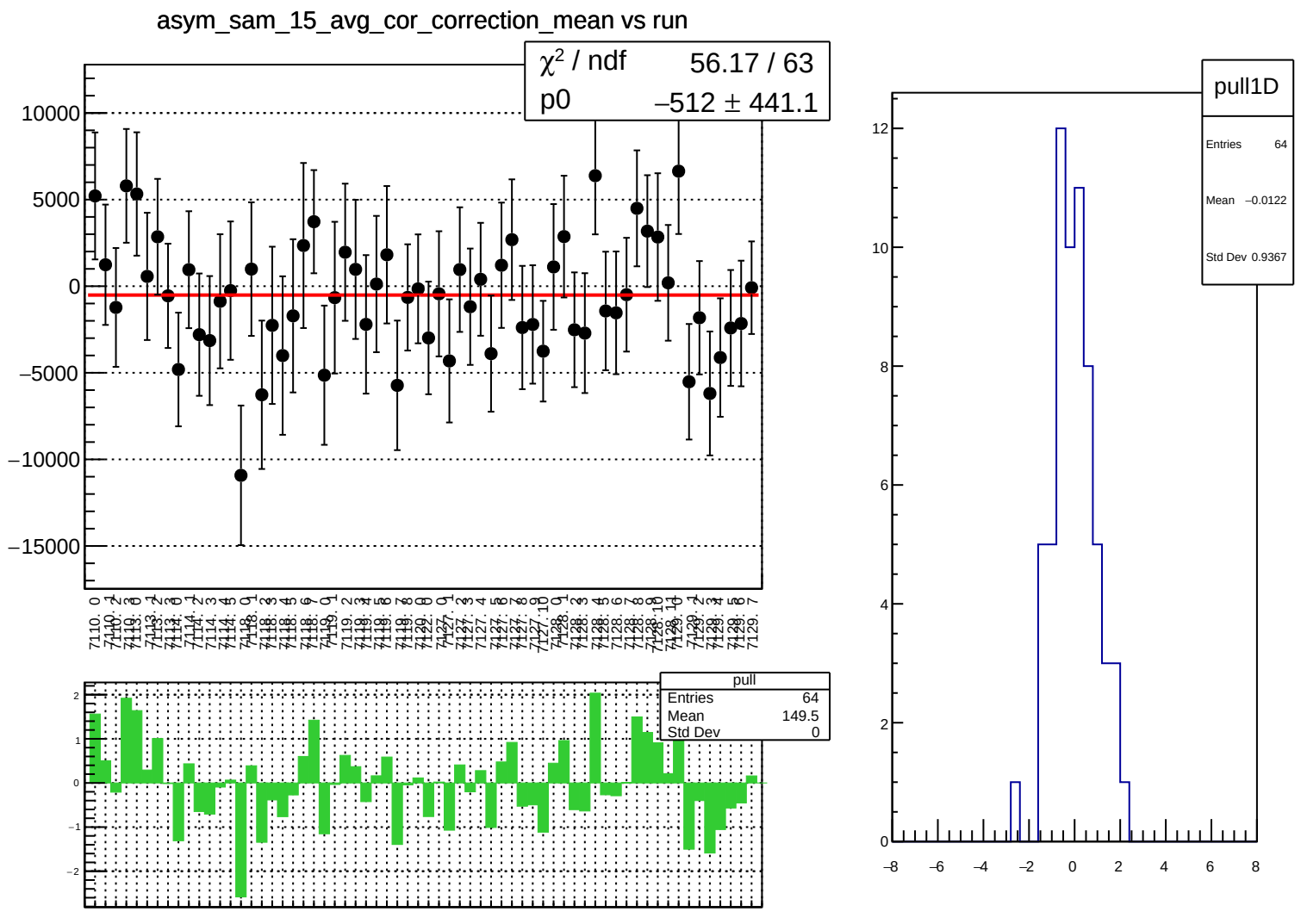

pull1D
Entries 64
Mean −0.0122
Std Dev 0.9367
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

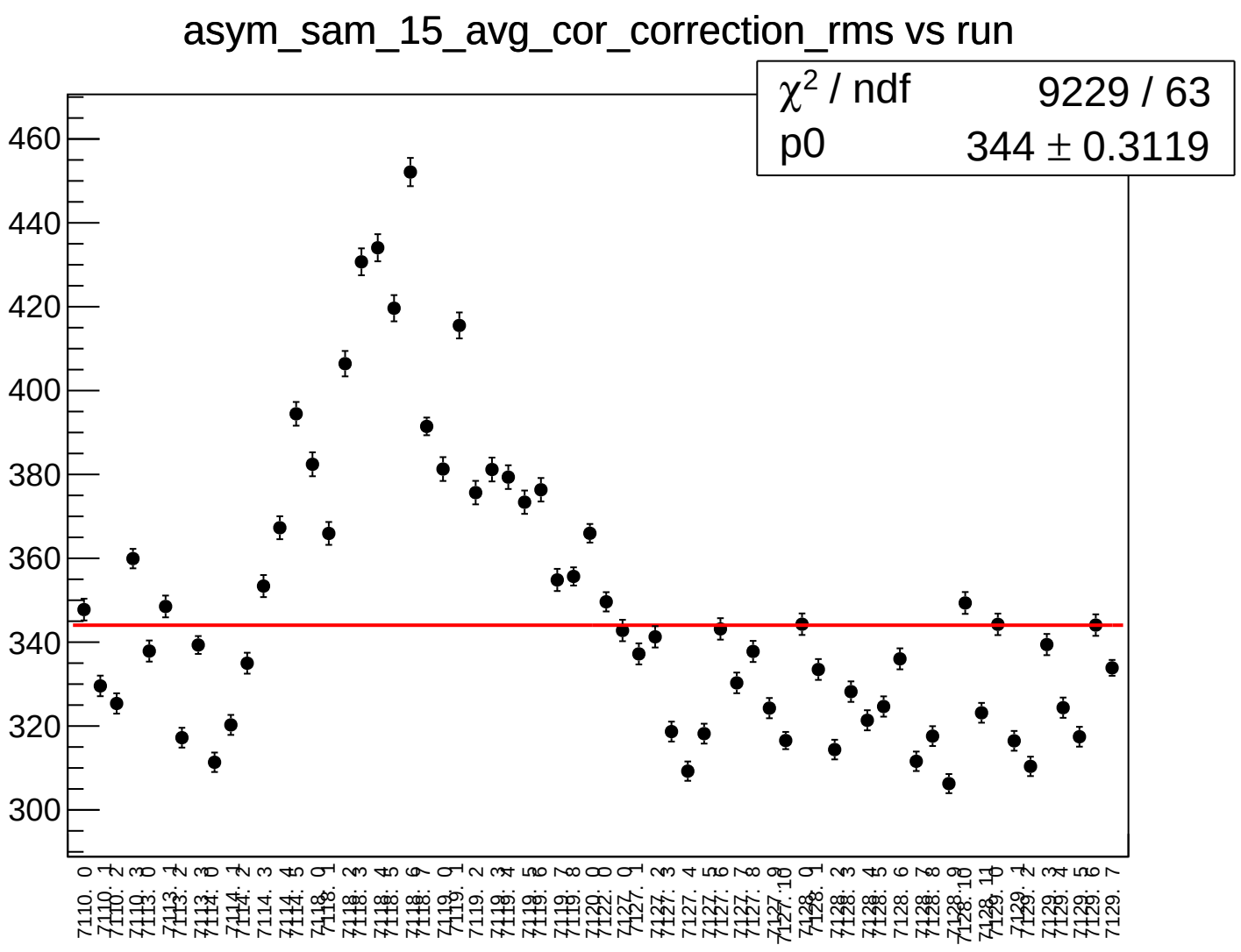

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 9229 / 63
p0 344 ± 0.3119
460
440
420
400
380
360
340
320
300

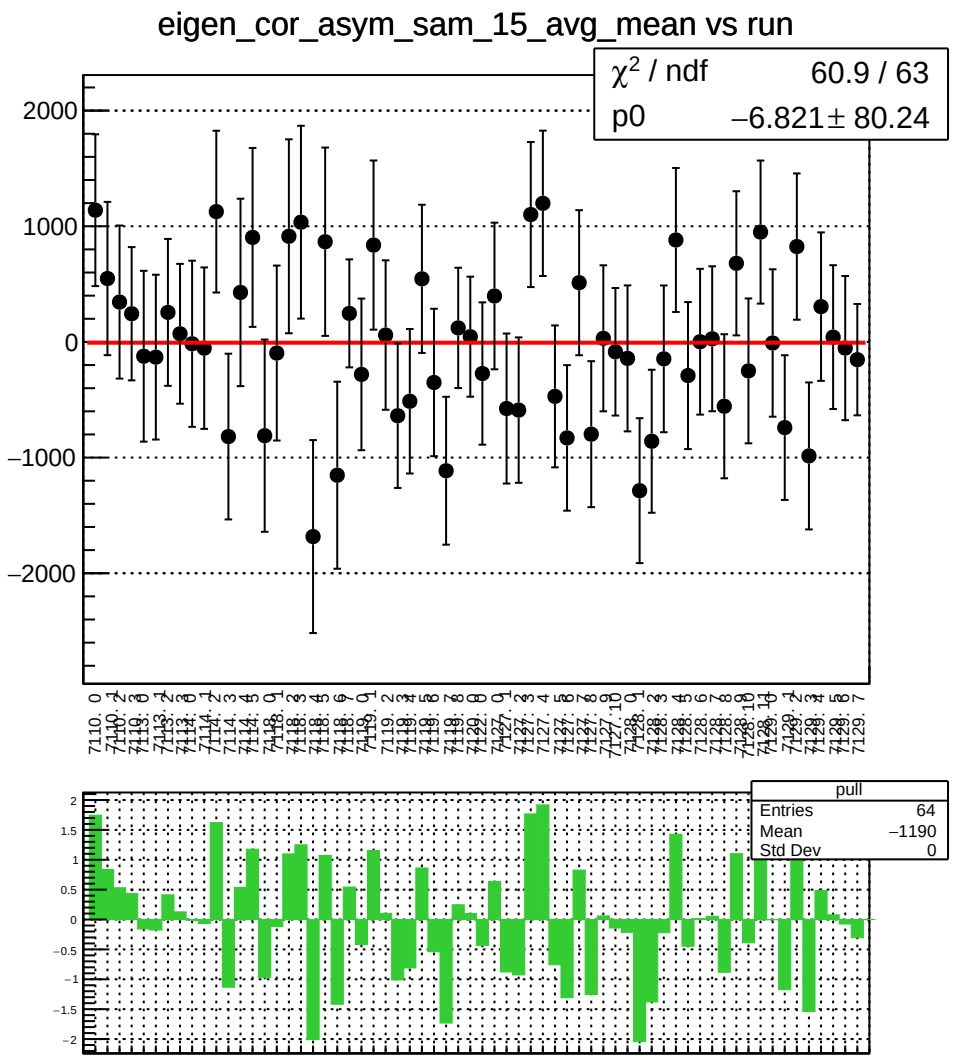

cor_asym_sam_15_avg_mean vs run
χ² / ndf 60.9 / 63
p0 −6.821 ± 80.24
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −1190
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

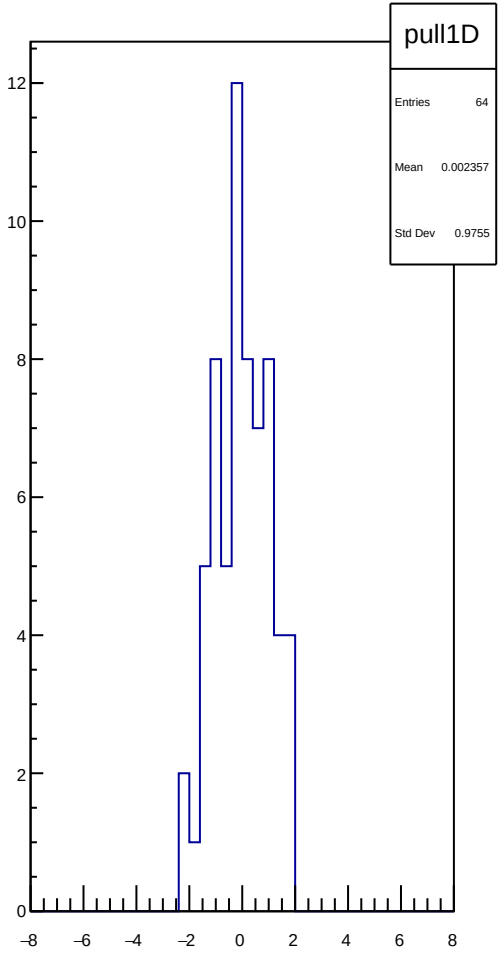

pull1D
Entries 64
Mean 0.002357
Std Dev 0.9755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

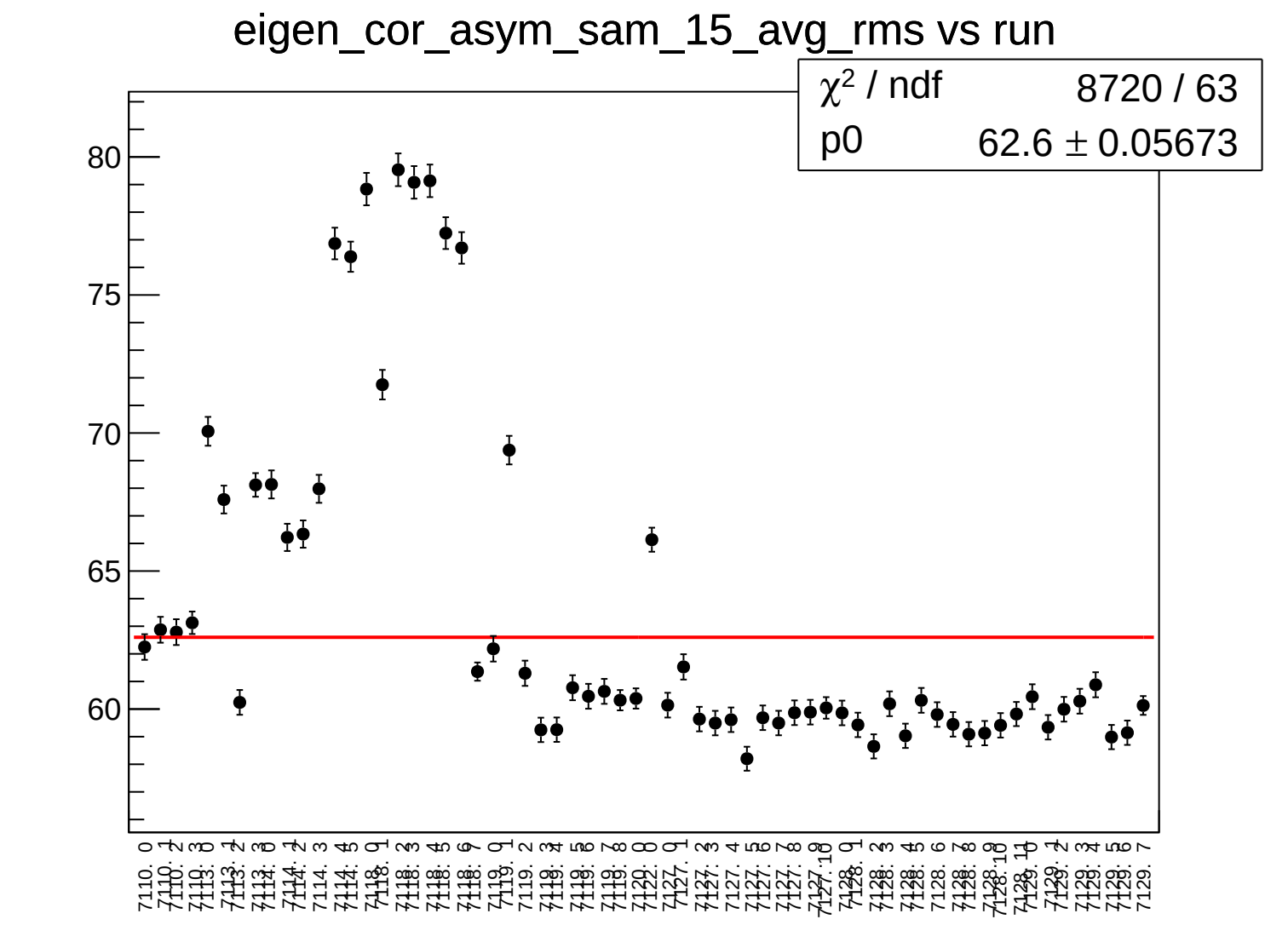

cor_asym_sam_15_avg_rms vs run
χ² / ndf 8720 / 63
p0 62.6 ± 0.05673
80
75
70
65
60

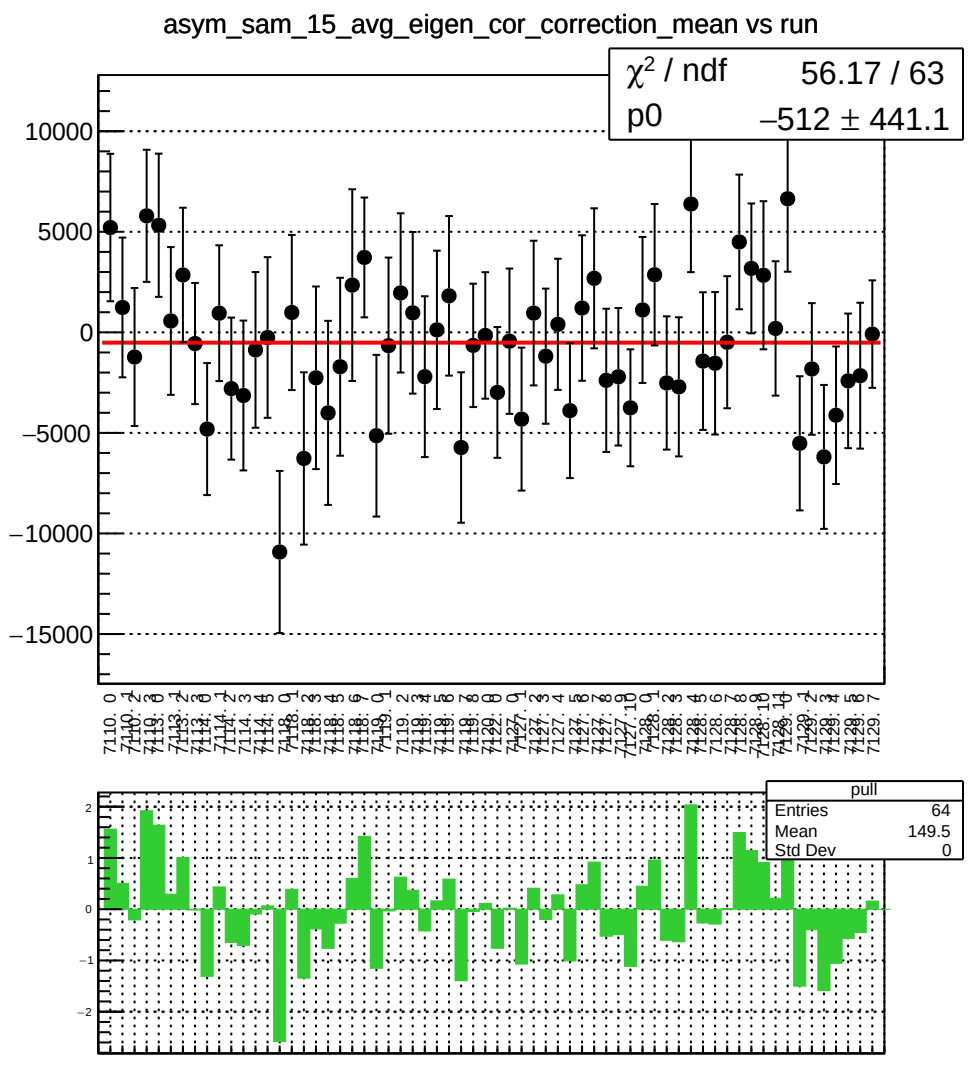

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 56.17 / 63
p0 −512 ± 441.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 149.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 64
Mean −0.0122
Std Dev 0.9367
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

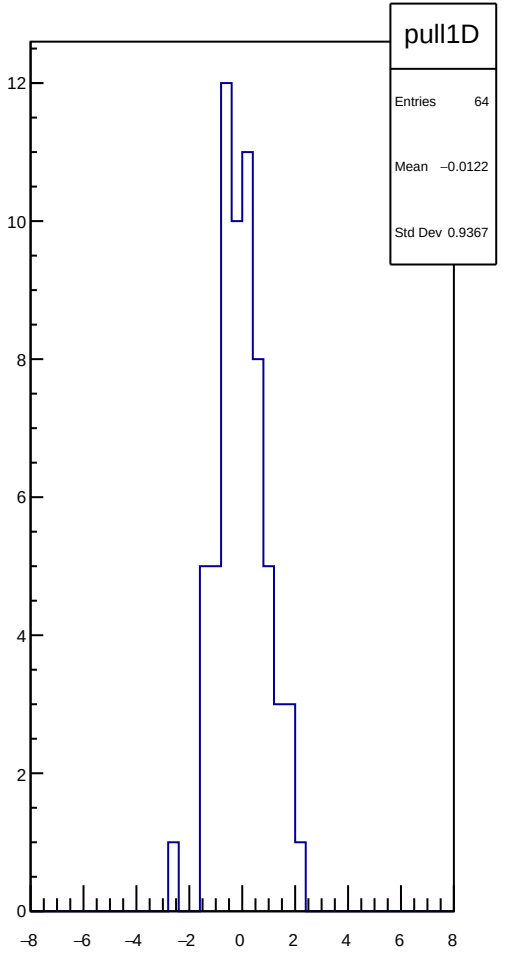

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 9229 / 63
p0 344 ± 0.3119
460
440
420
400
380
360
340
320
300

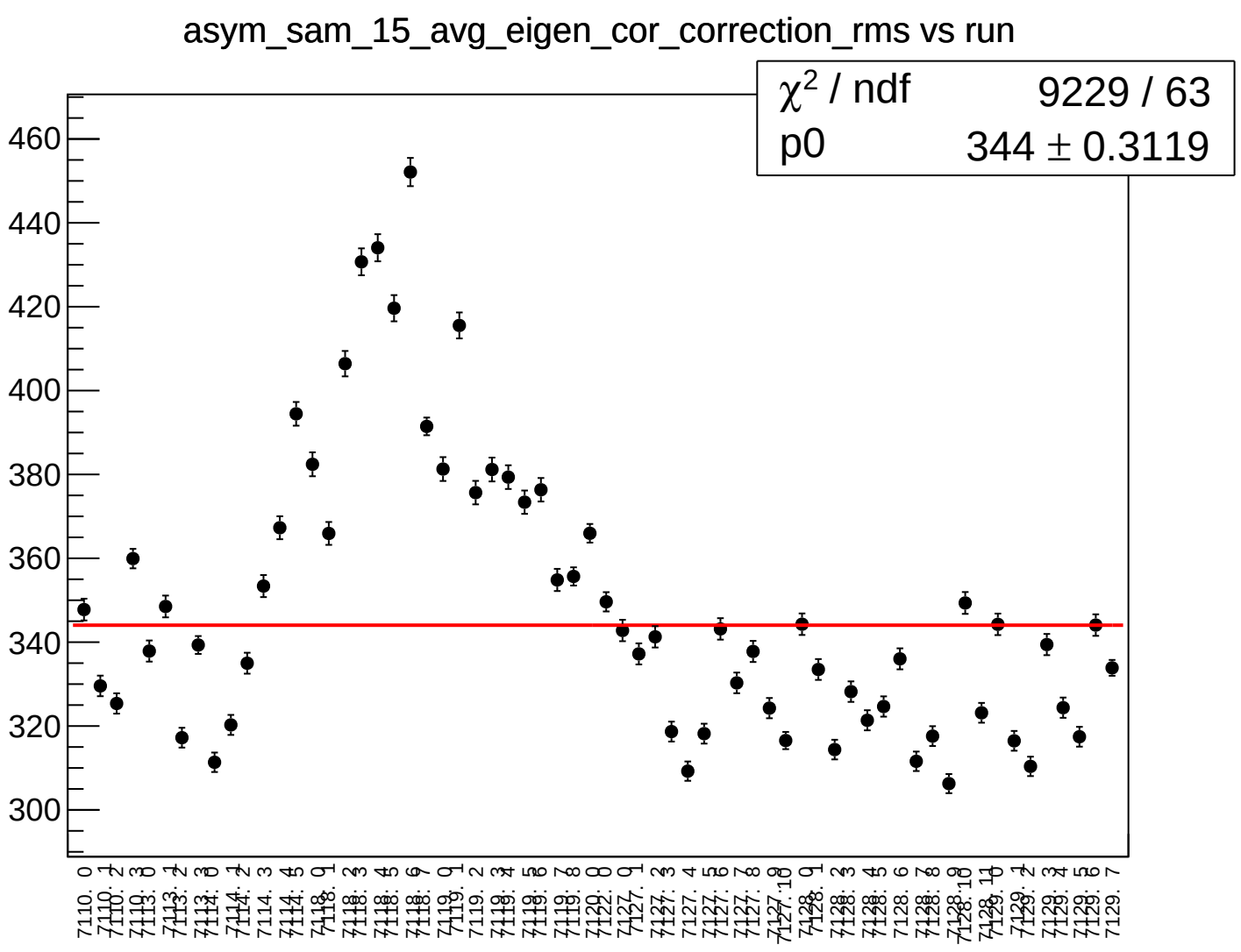

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 60.9 / 63
p0 −6.821 ± 80.24
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −1190
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

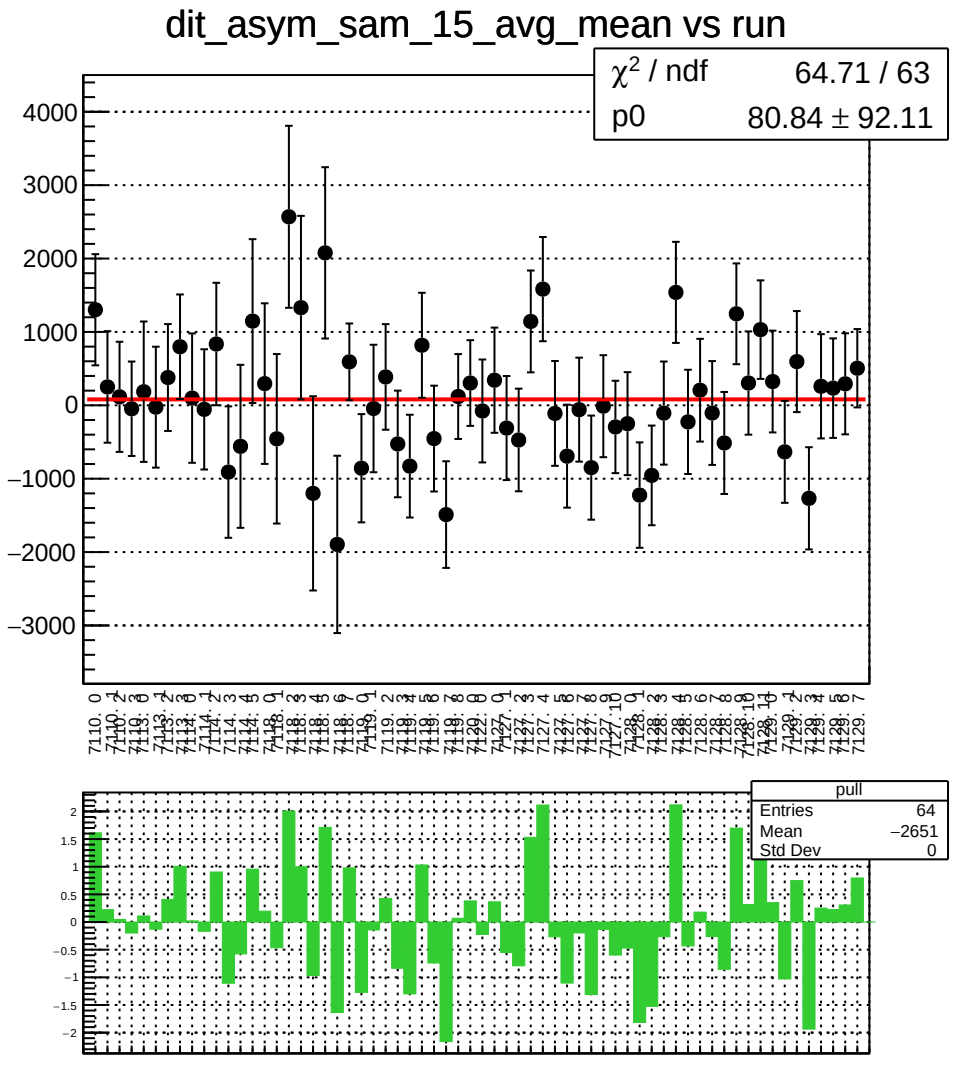

pull1D
Entries 64
Mean 0.002357
Std Dev 0.9755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

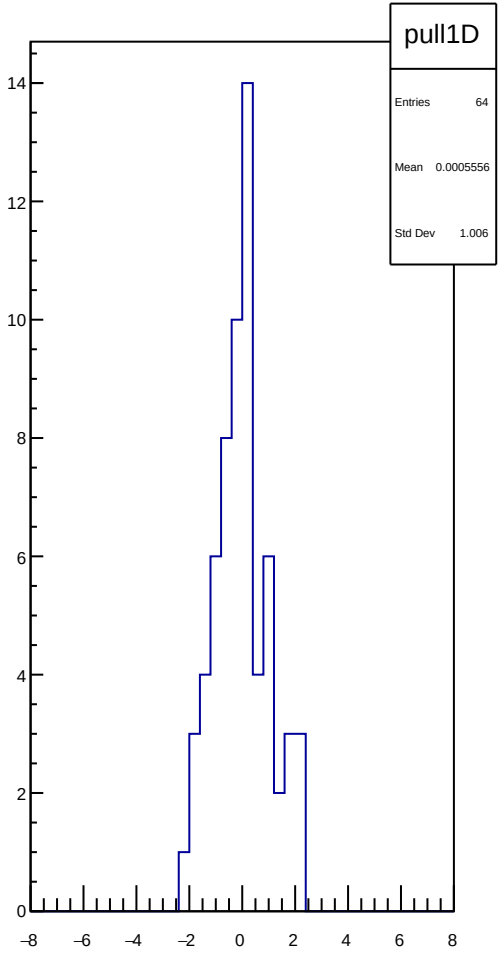

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 8720 / 63
p0 62.6 ± 0.05673
80
75
70
65
60

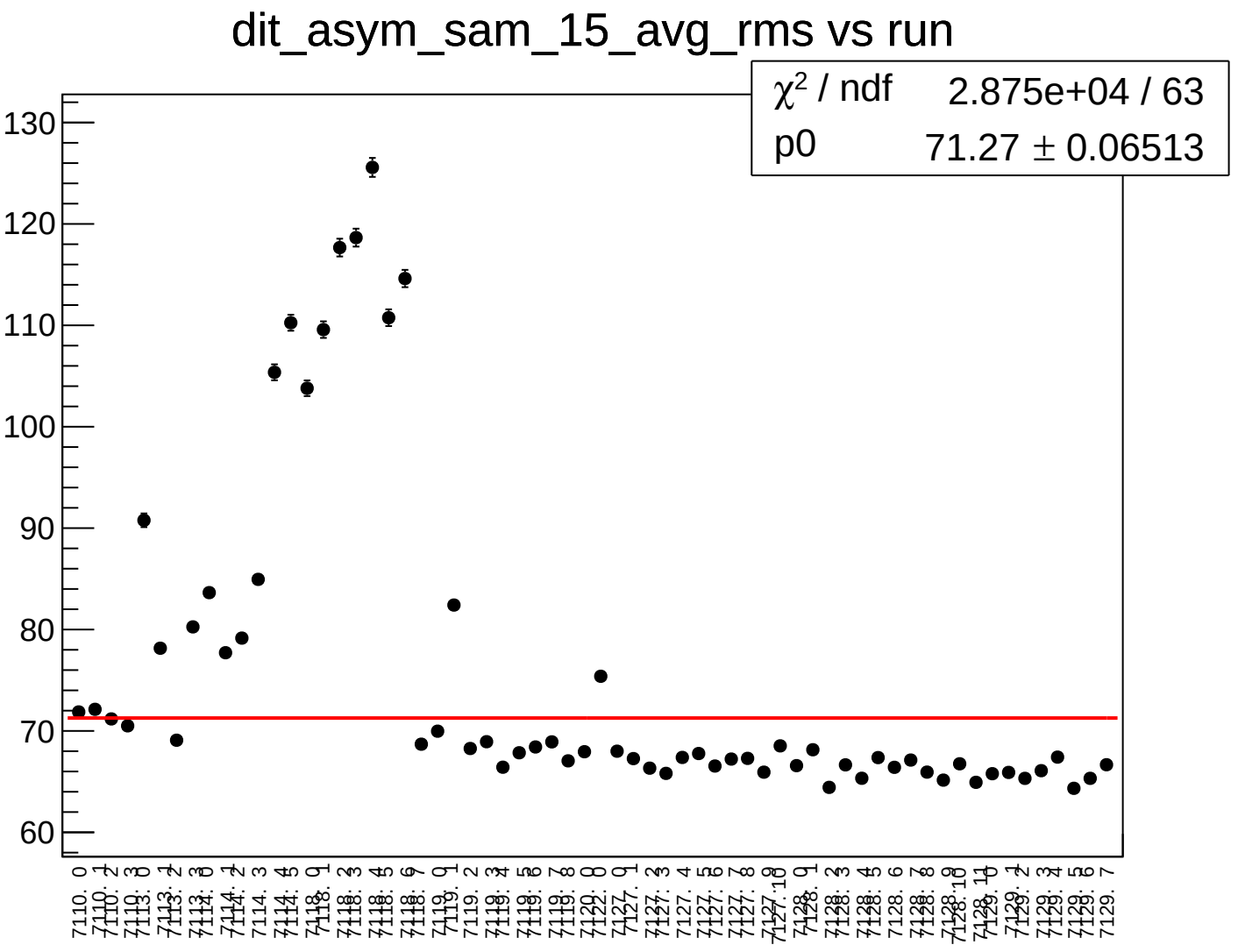

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.17 / 63
p0 −512 ± 441.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 149.5
Std Dev 0
2
1
0
−1
−2

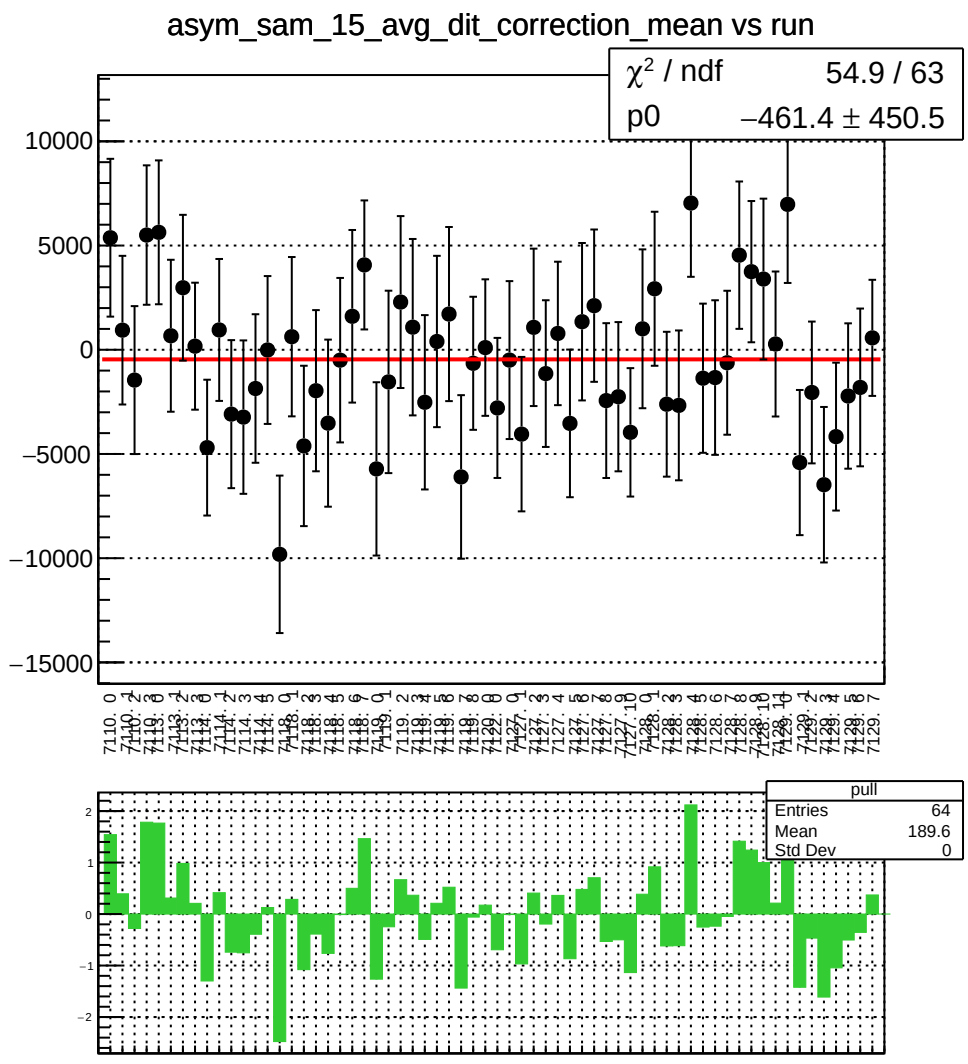

pull1D
Entries 64
Mean −0.0122
Std Dev 0.9367
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

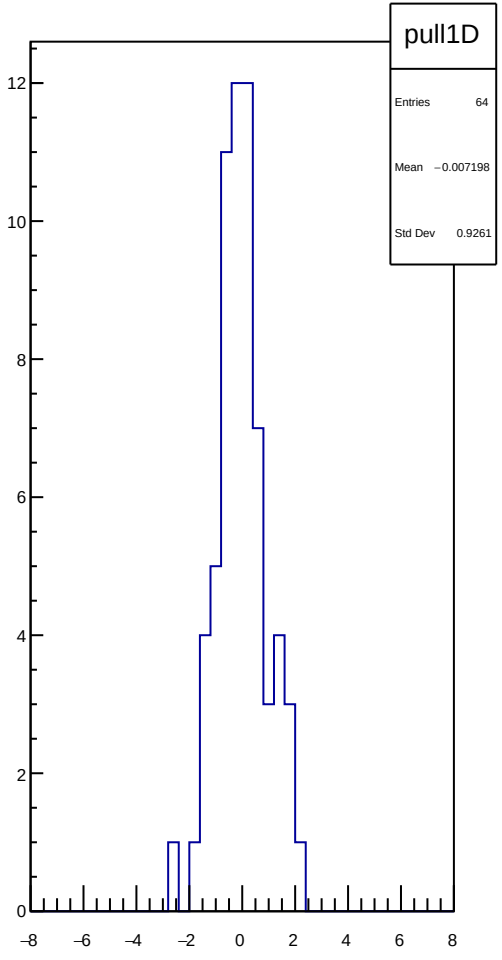

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 9229 / 63
p0 344 ± 0.3119
460
440
420
400
380
360
340
320
300

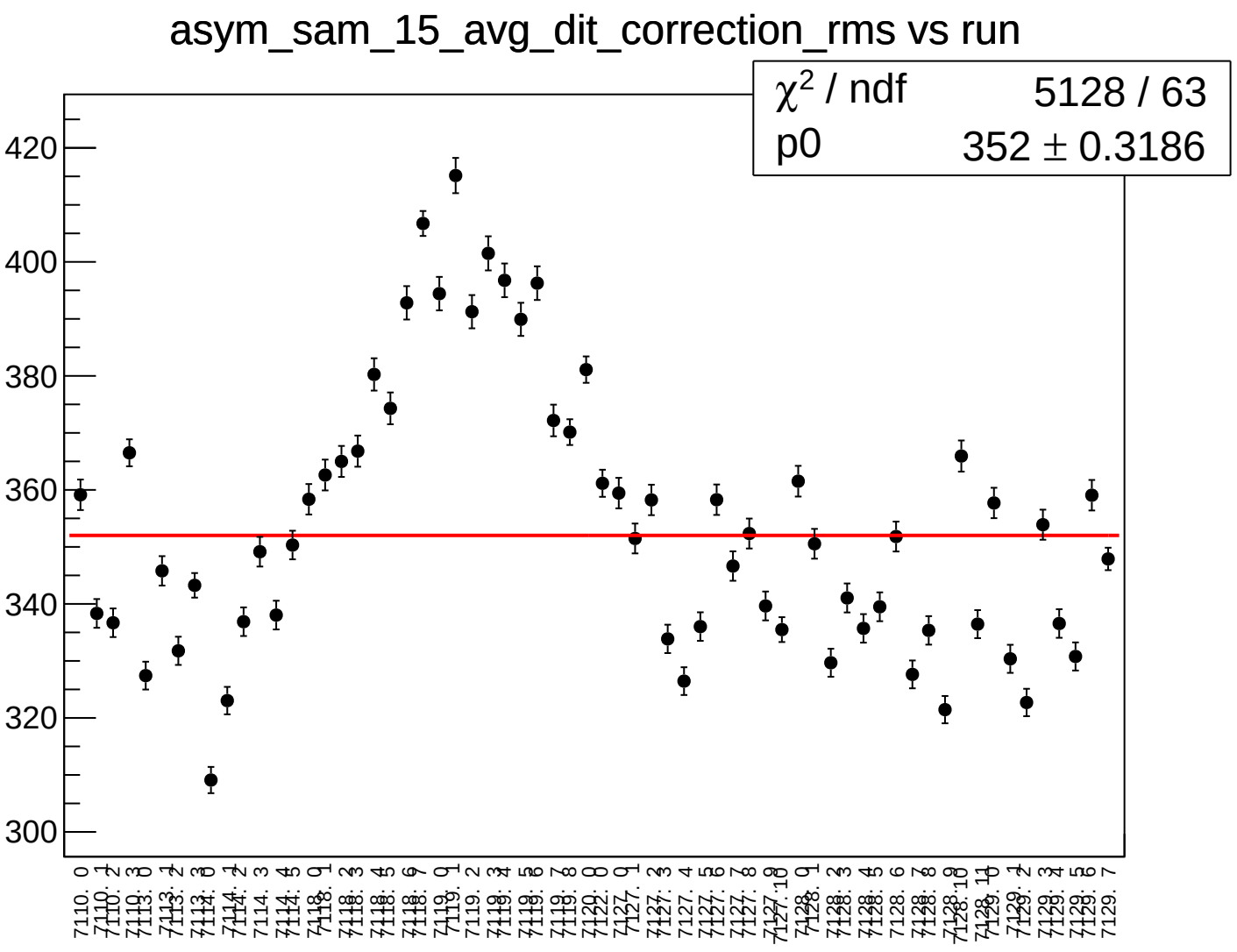

dit_asym_sam_15_avg_mean vs run
χ² / ndf 64.71 / 63
p0 80.84 ± 92.11
pull
Entries 64
Mean −2651
Std Dev 0

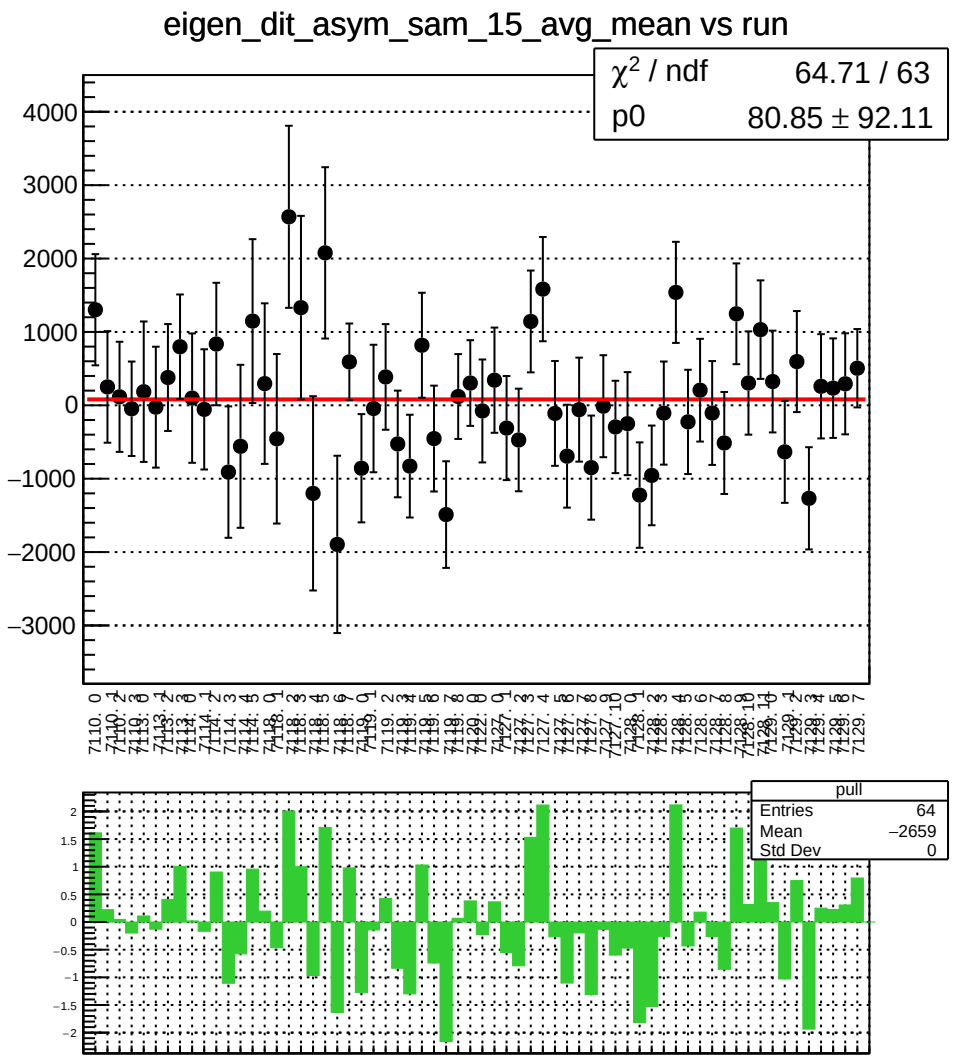

pull1D
Entries 64
Mean 0.0005556
Std Dev 1.006

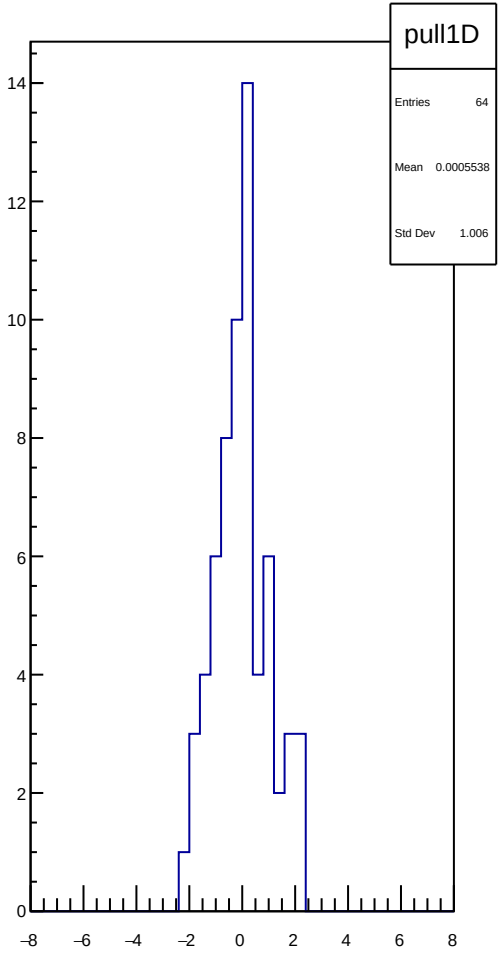

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2.875e+04 / 63
p0 71.27 ± 0.06513
130
120
110
100
90
80
70
60

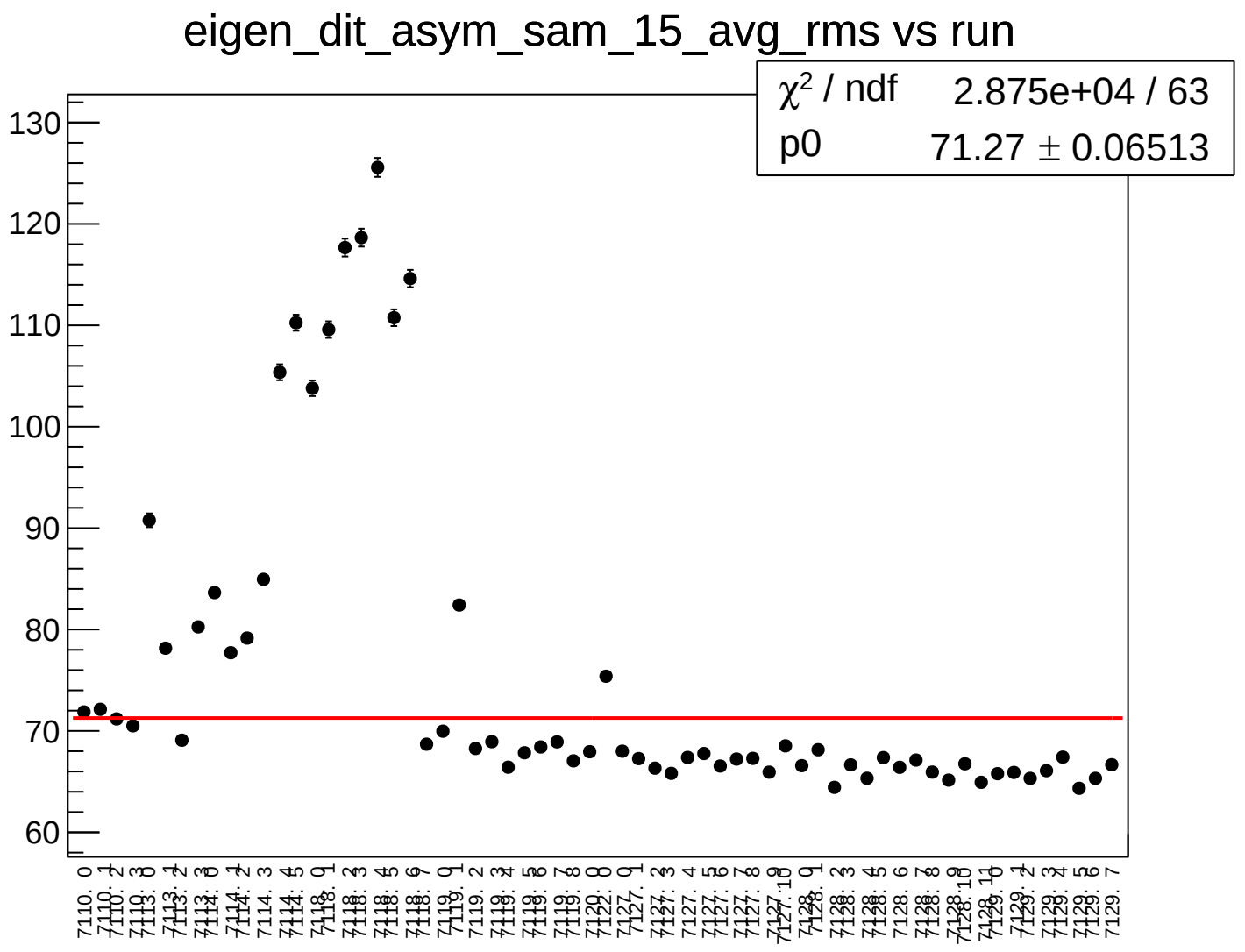

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 54.9 / 63
p0 −461.4 ± 450.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 189.6
Std Dev 0
2
1
0
−1
−2

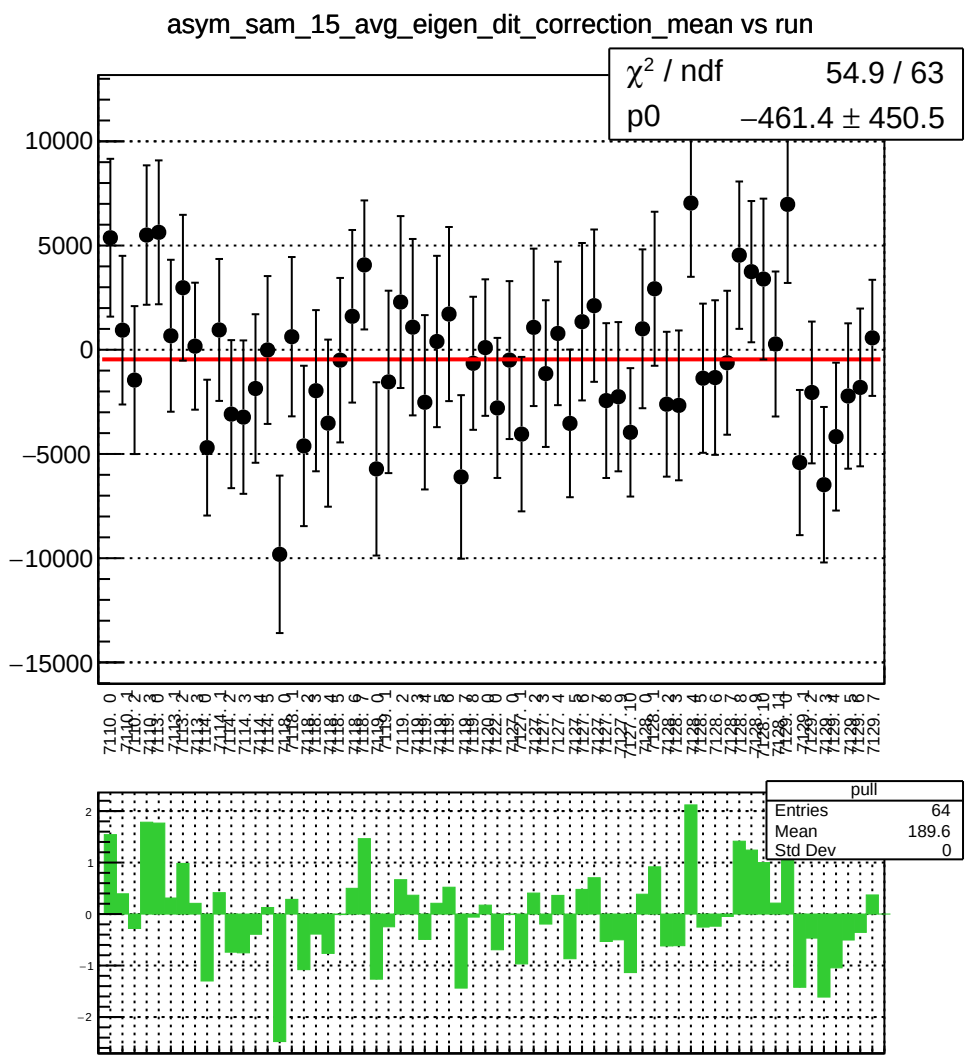

pull1D
Entries 64
Mean −0.007198
Std Dev 0.9261
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

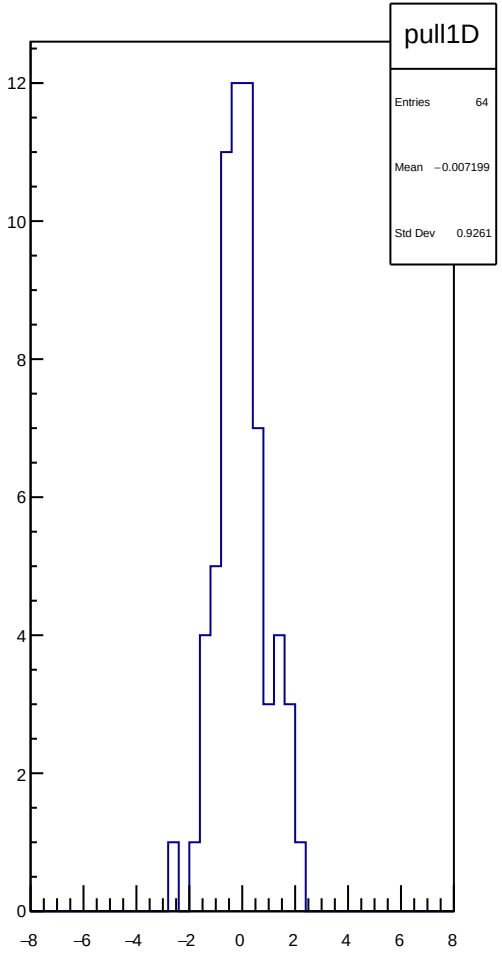

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 5128 / 63
p0 352 ± 0.3186
420
400
380
360
340
320
300

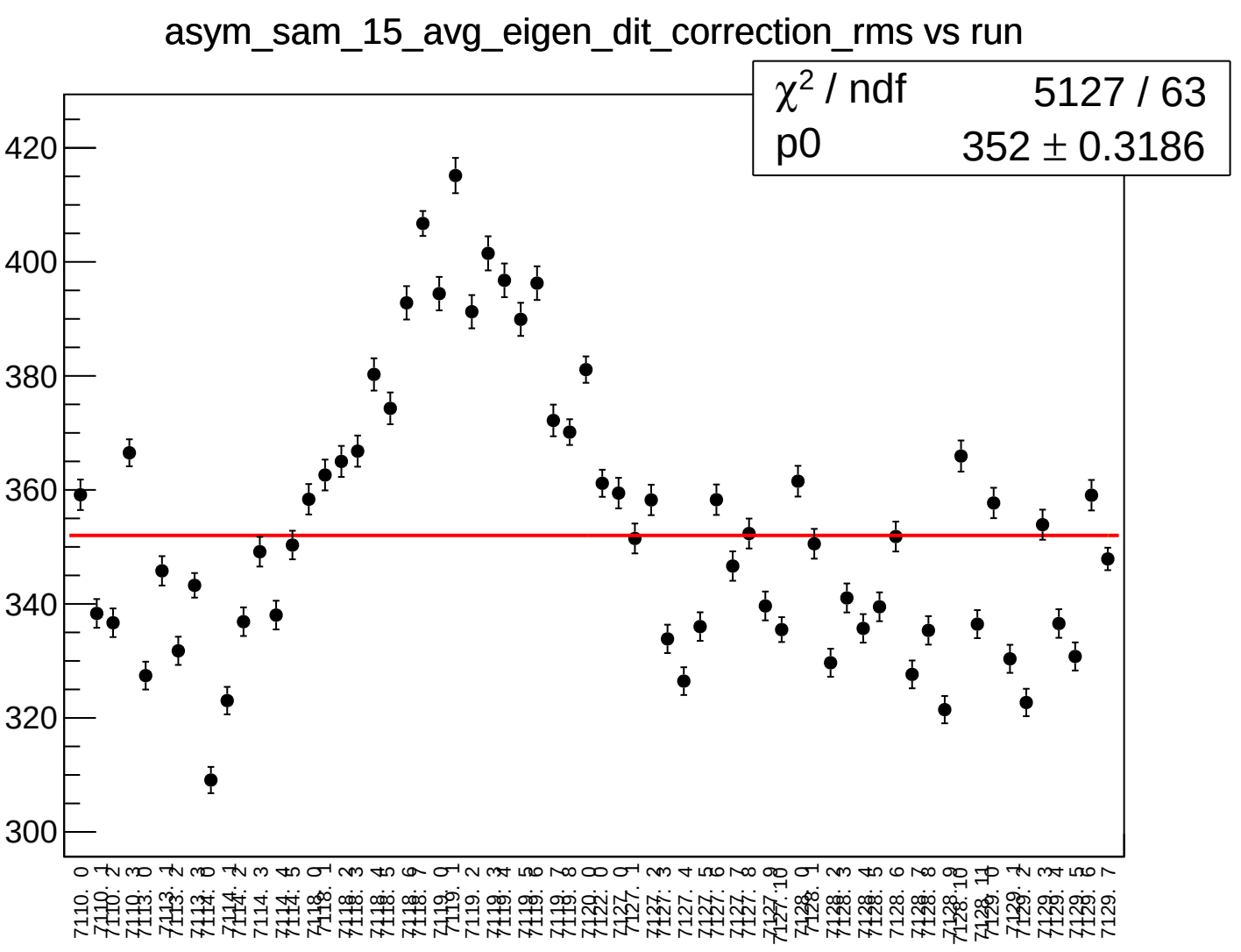

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 64.71 / 63
p0 80.85 ± 92.11
pull
Entries 64
Mean −2659
Std Dev 0

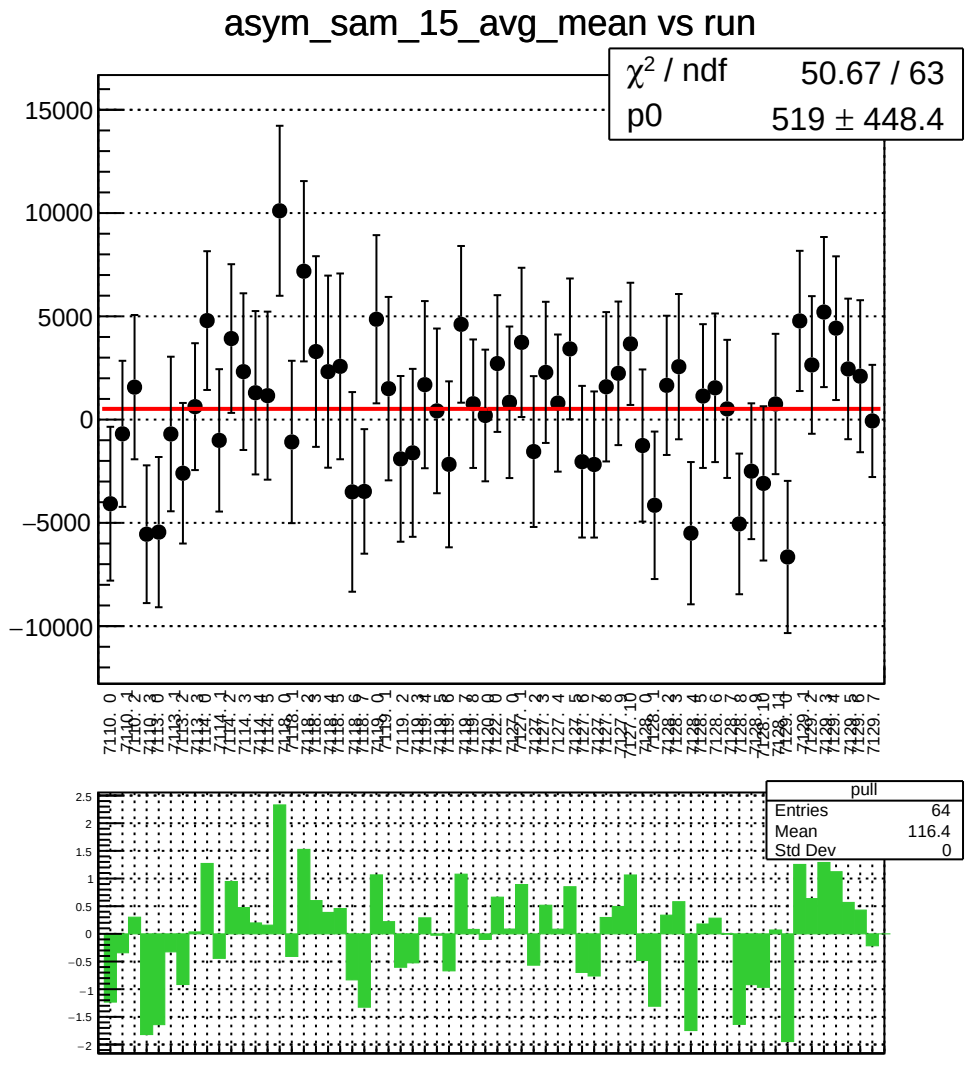

pull1D
Entries 64
Mean 0.0005538
Std Dev 1.006

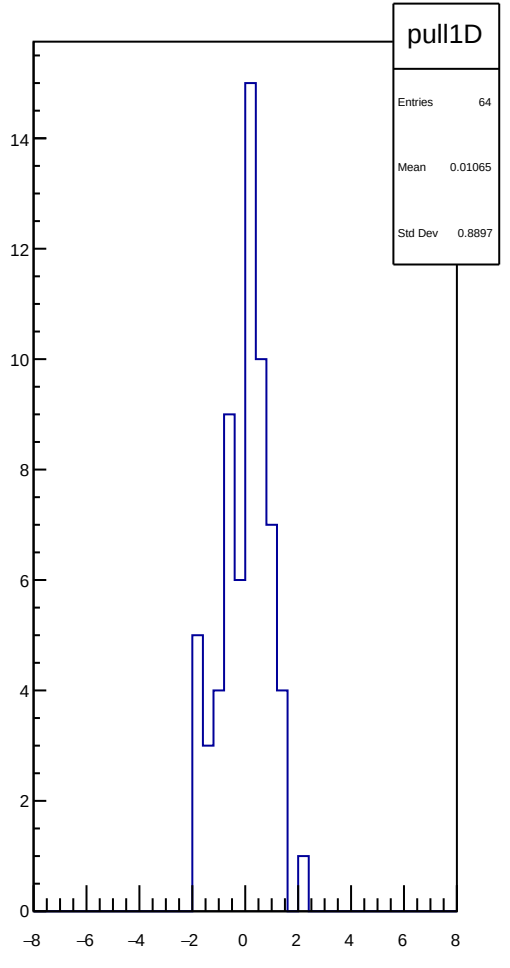

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 2.875e+04 / 63
p0 71.27 ± 0.06513
130
120
110
100
90
80
70
60

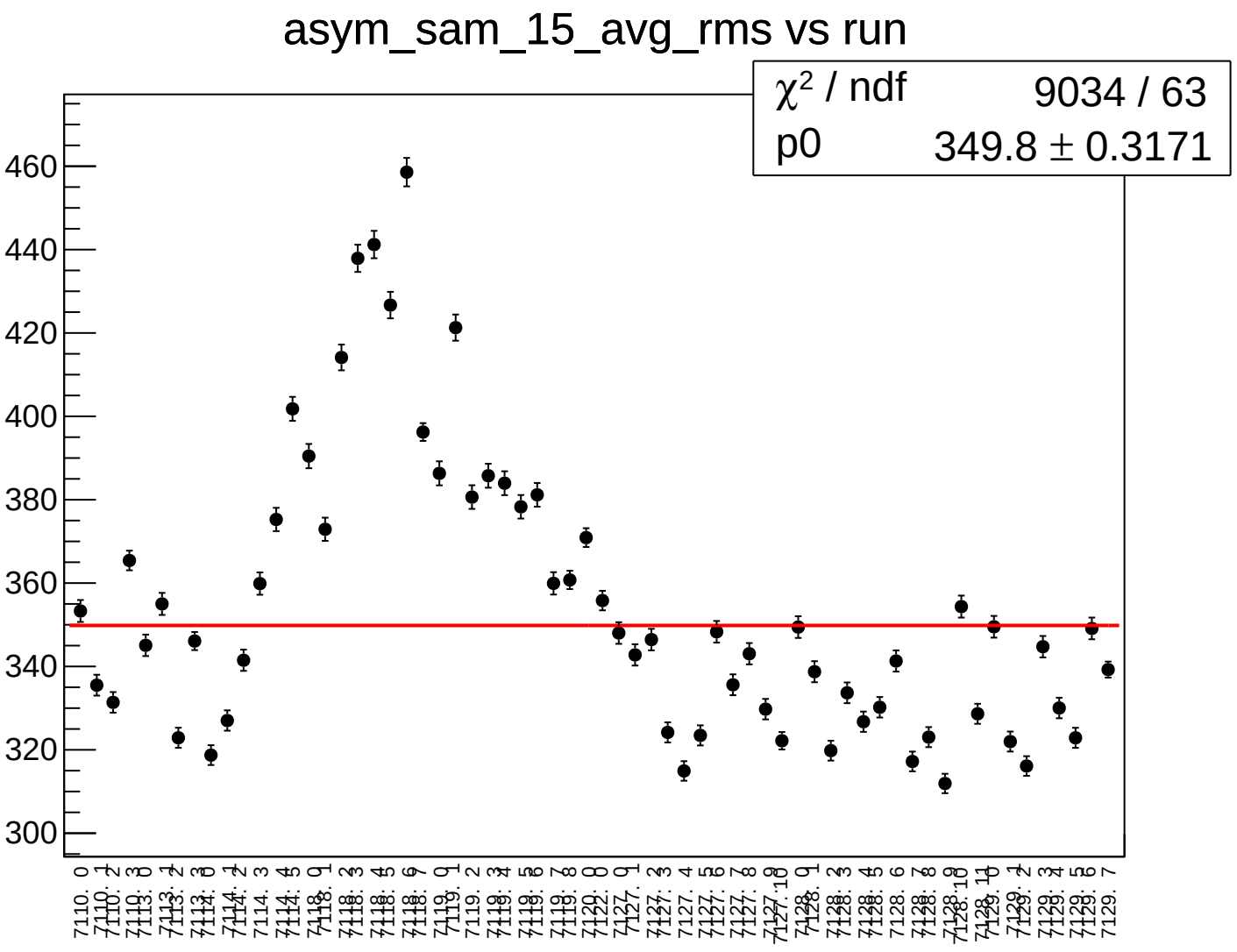

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.9 / 63
p0 −461.4 ± 450.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean 189.6
Std Dev 0
2
1
0
−1
−2

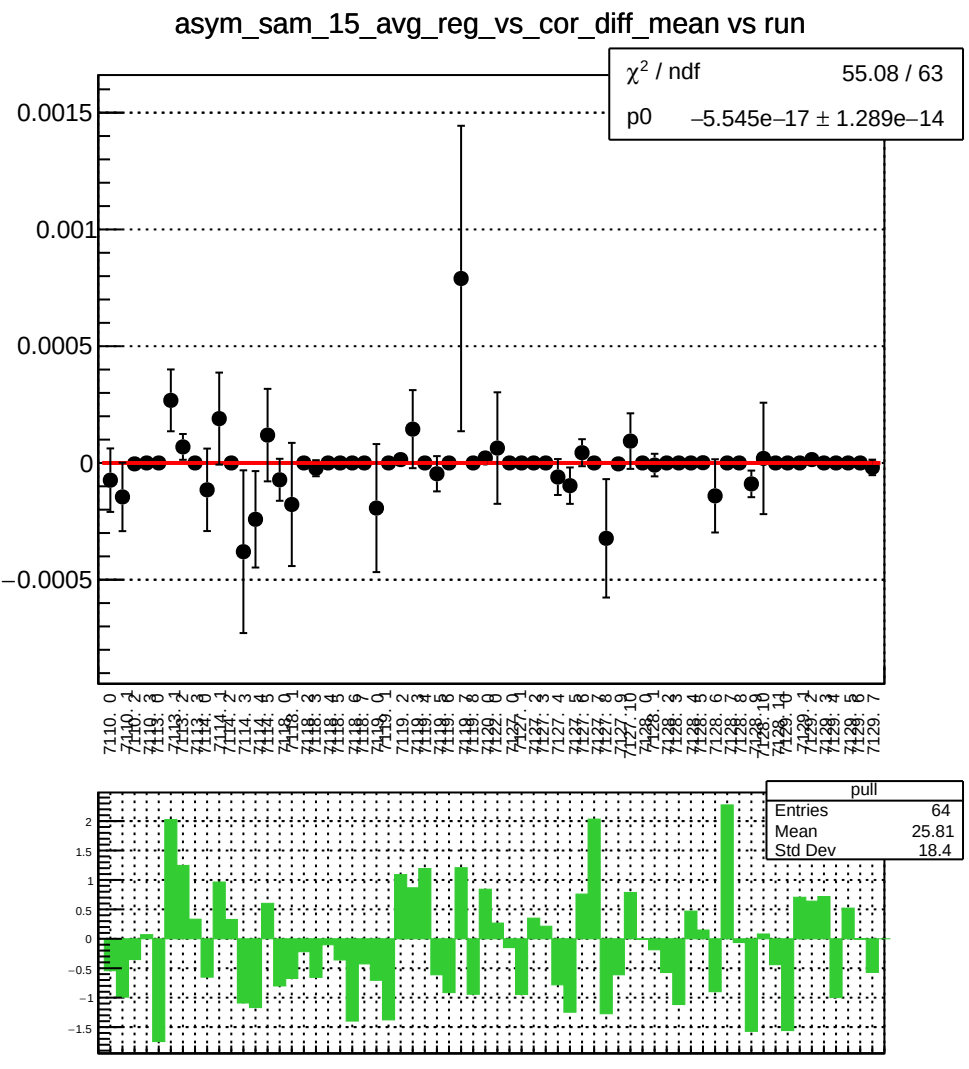

pull1D
Entries 64
Mean −0.007199
Std Dev 0.9261
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

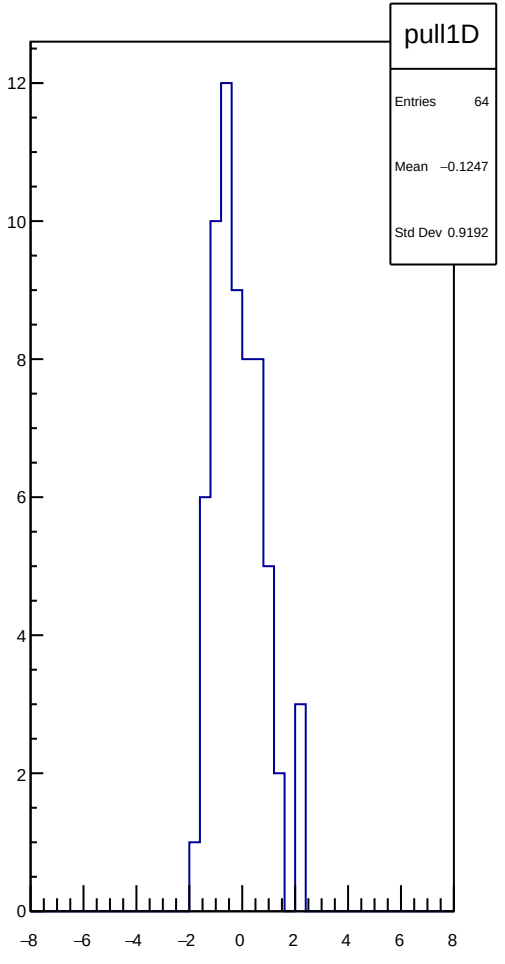

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 5127 / 63
p0 352 ± 0.3186
420
400
380
360
340
320
300

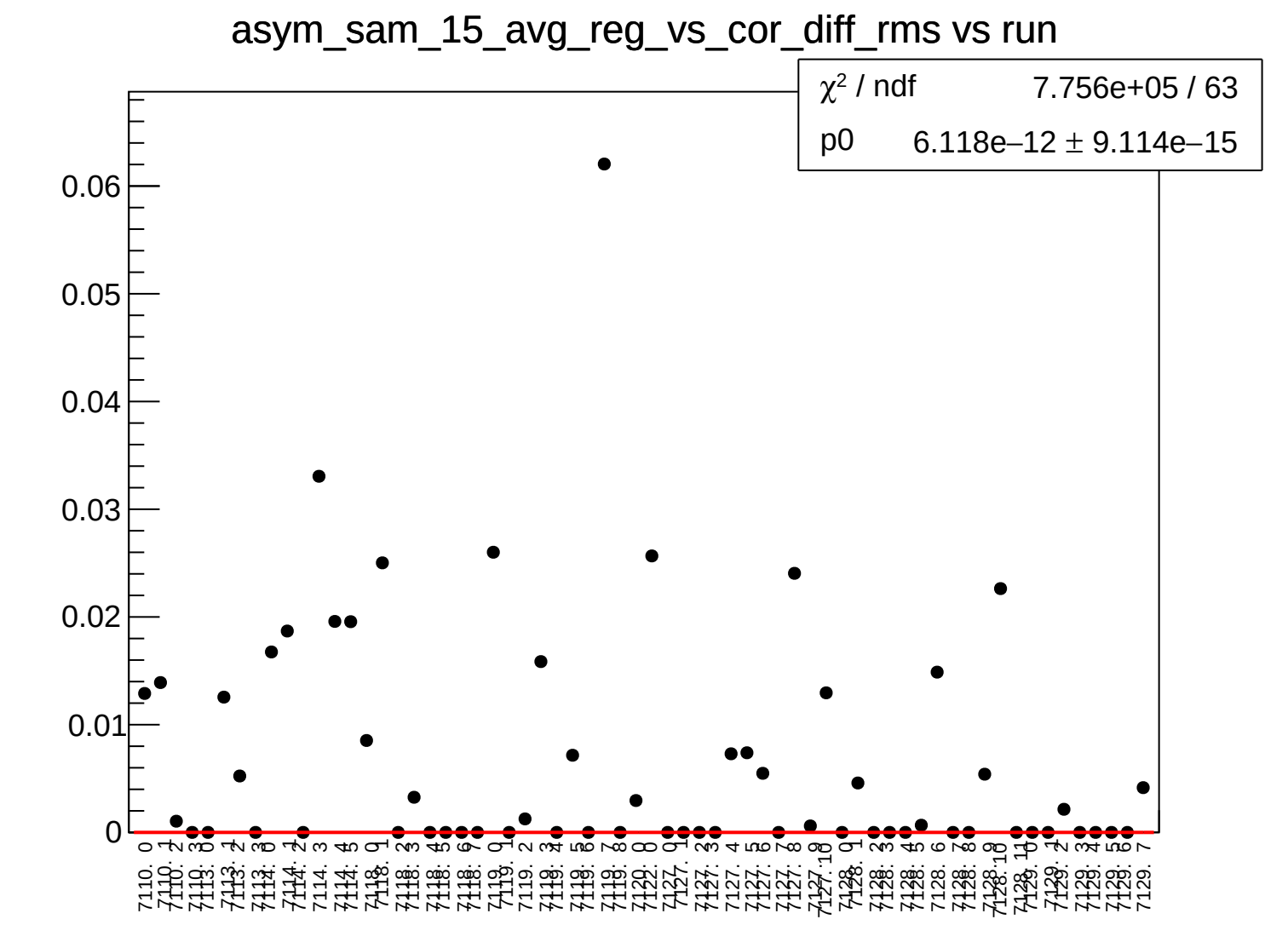

asym_sam_15_avg_mean vs run
χ² / ndf 50.67 / 63
p0 519 ± 448.4
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 116.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

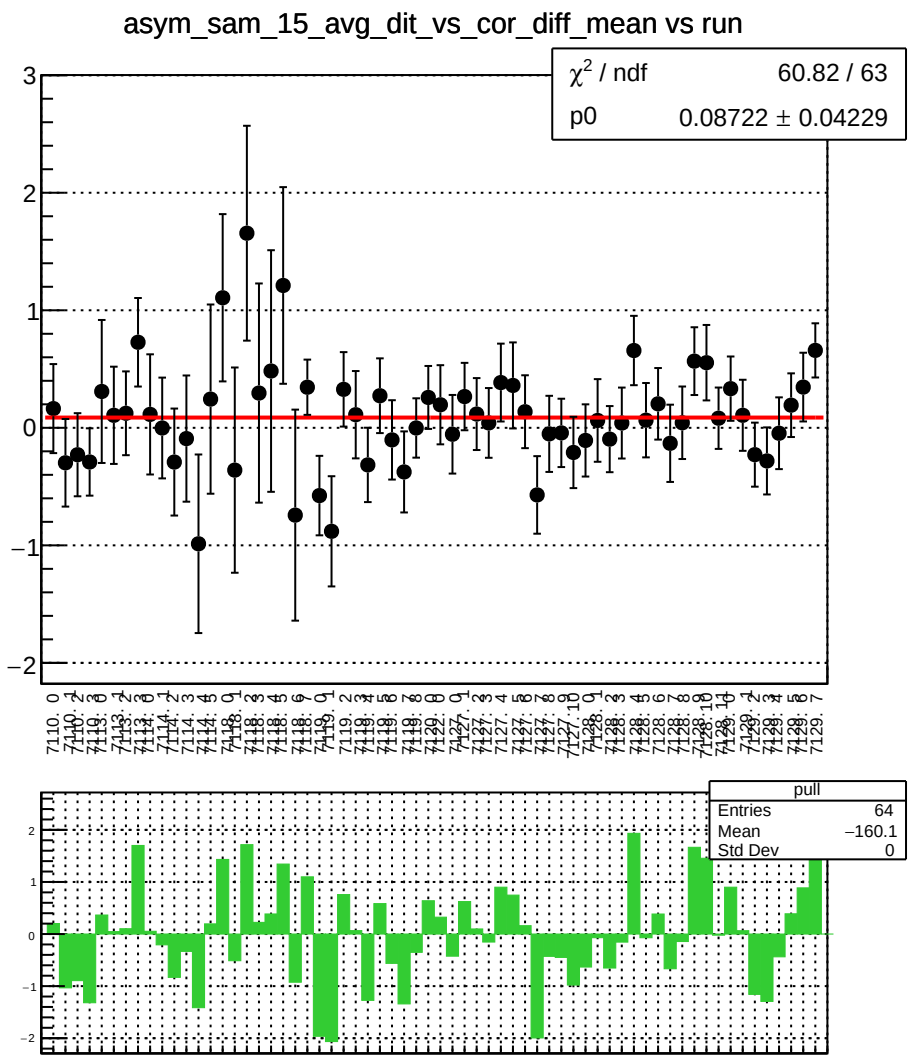

pull1D
Entries 64
Mean 0.01065
Std Dev 0.8897
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

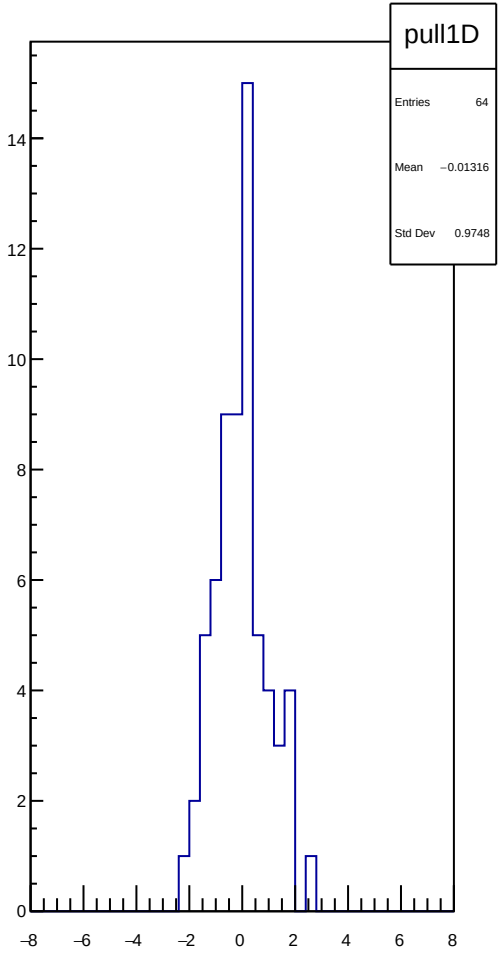

asym_sam_15_avg_rms vs run
χ² / ndf 9034 / 63
p0 349.8 ± 0.3171
460
440
420
400
380
360
340
320
300

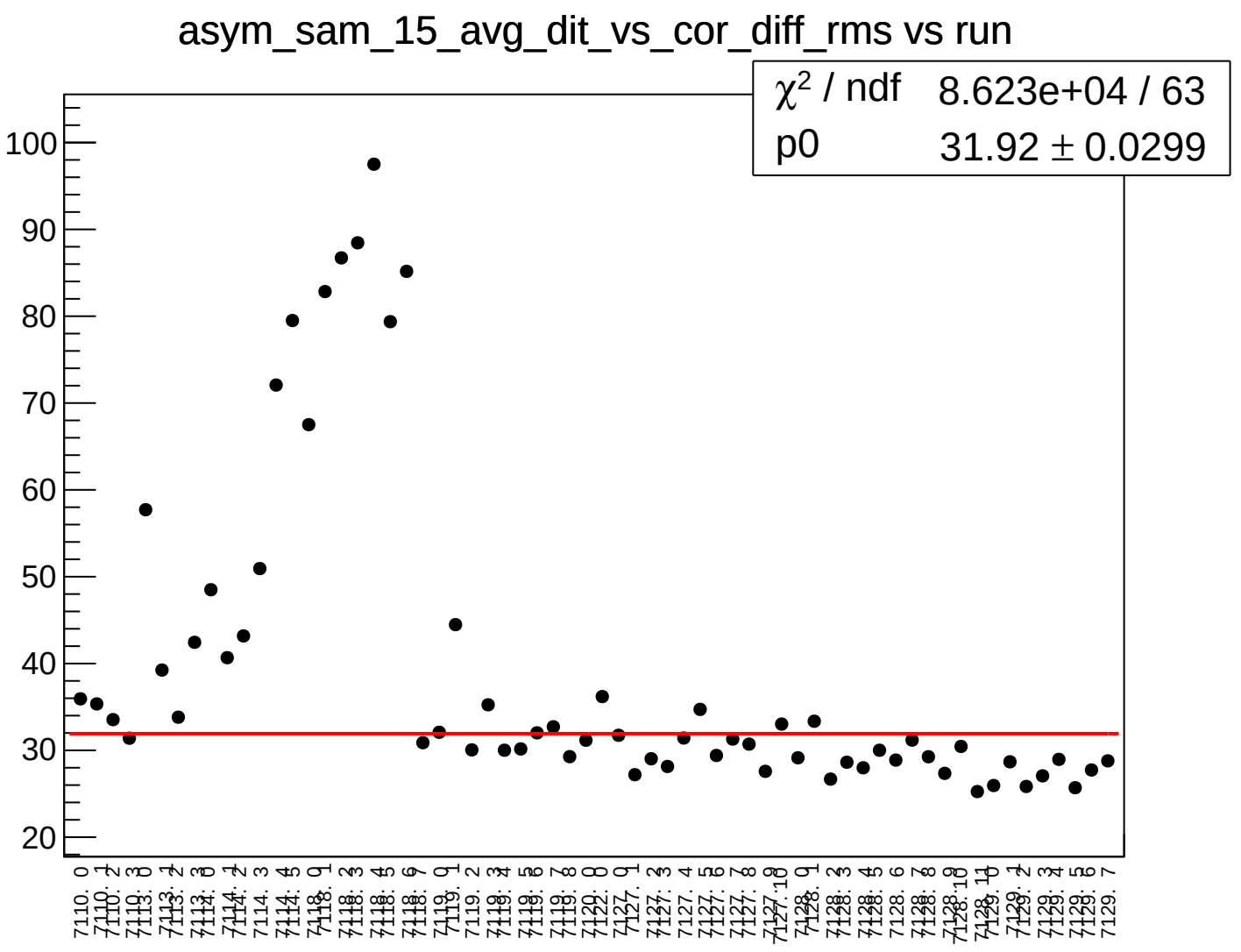

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.08 / 63
p0 −5.545e−17 ± 1.289e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 64
Mean 25.81
Std Dev 18.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

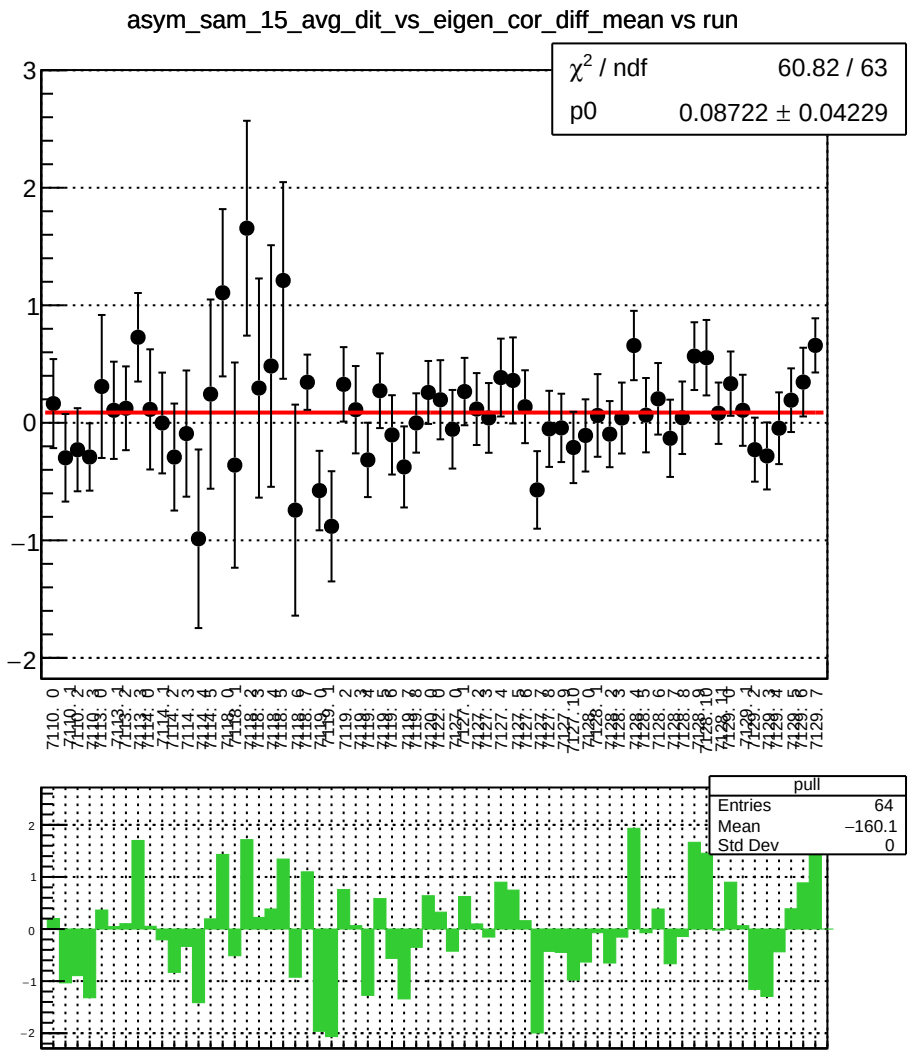

pull1D
Entries 64
Mean −0.1247
Std Dev 0.9192
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

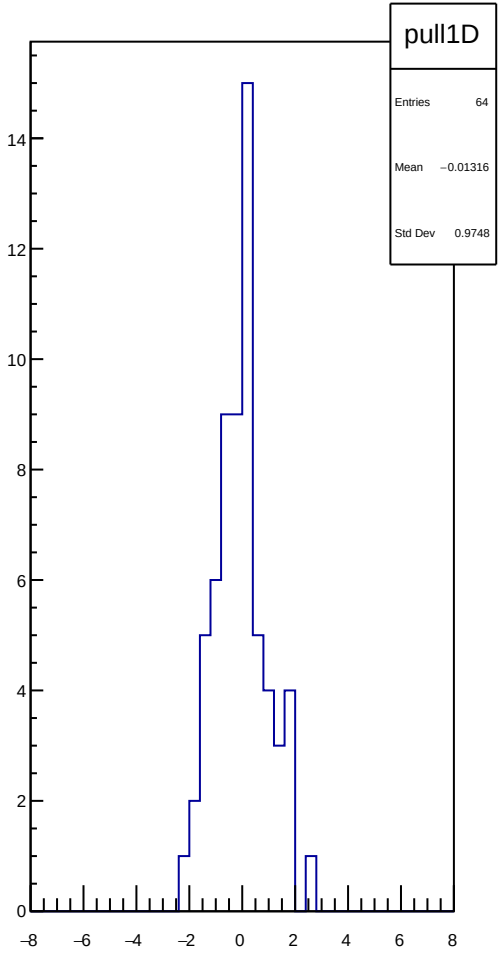

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.756e+05 / 63
p0 6.118e−12 ± 9.114e−15
0.06
0.05
0.04
0.03
0.02
0.01
0

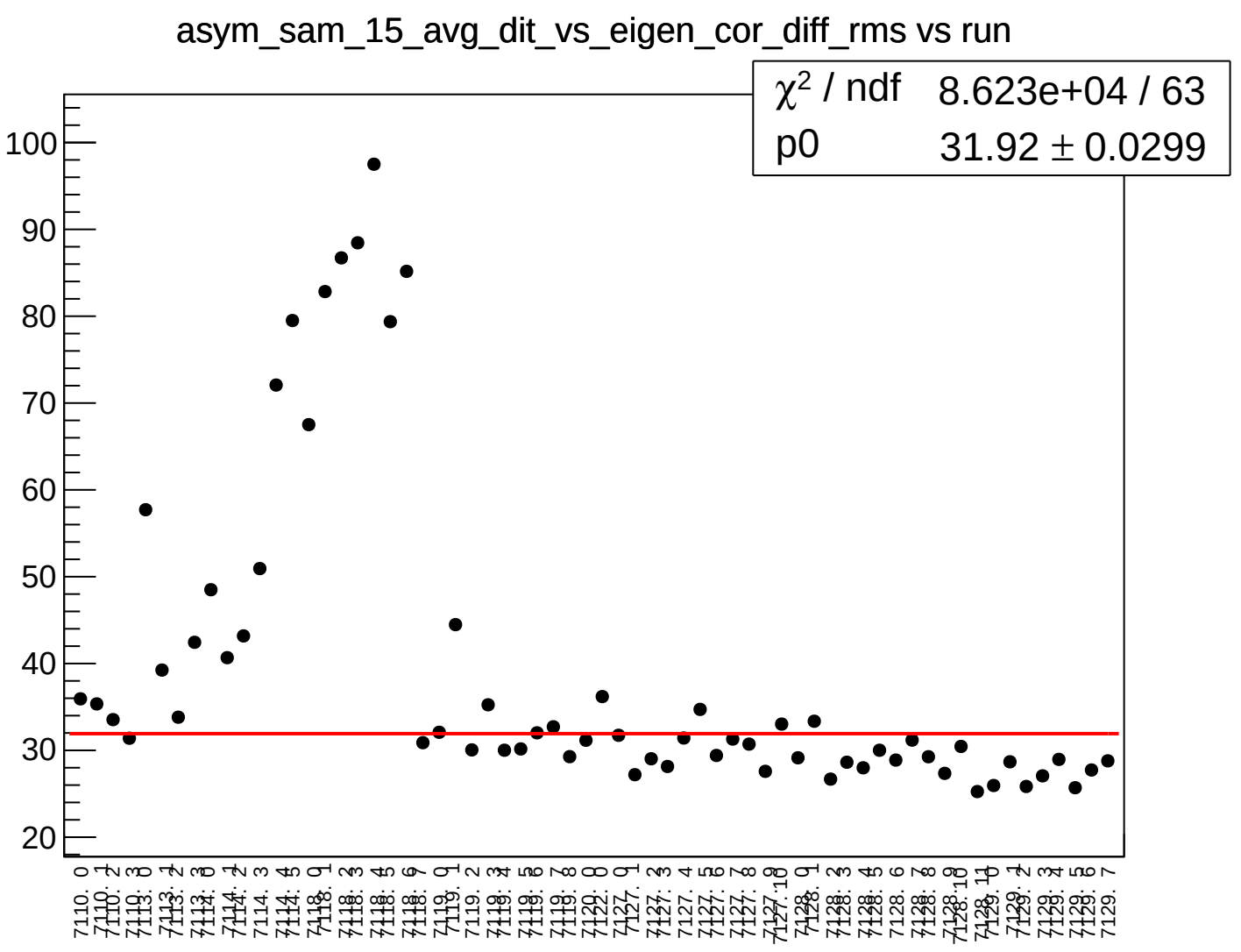

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.82 / 63
p0 0.08722 ± 0.04229
pull
Entries 64
Mean −160.1
Std Dev 0

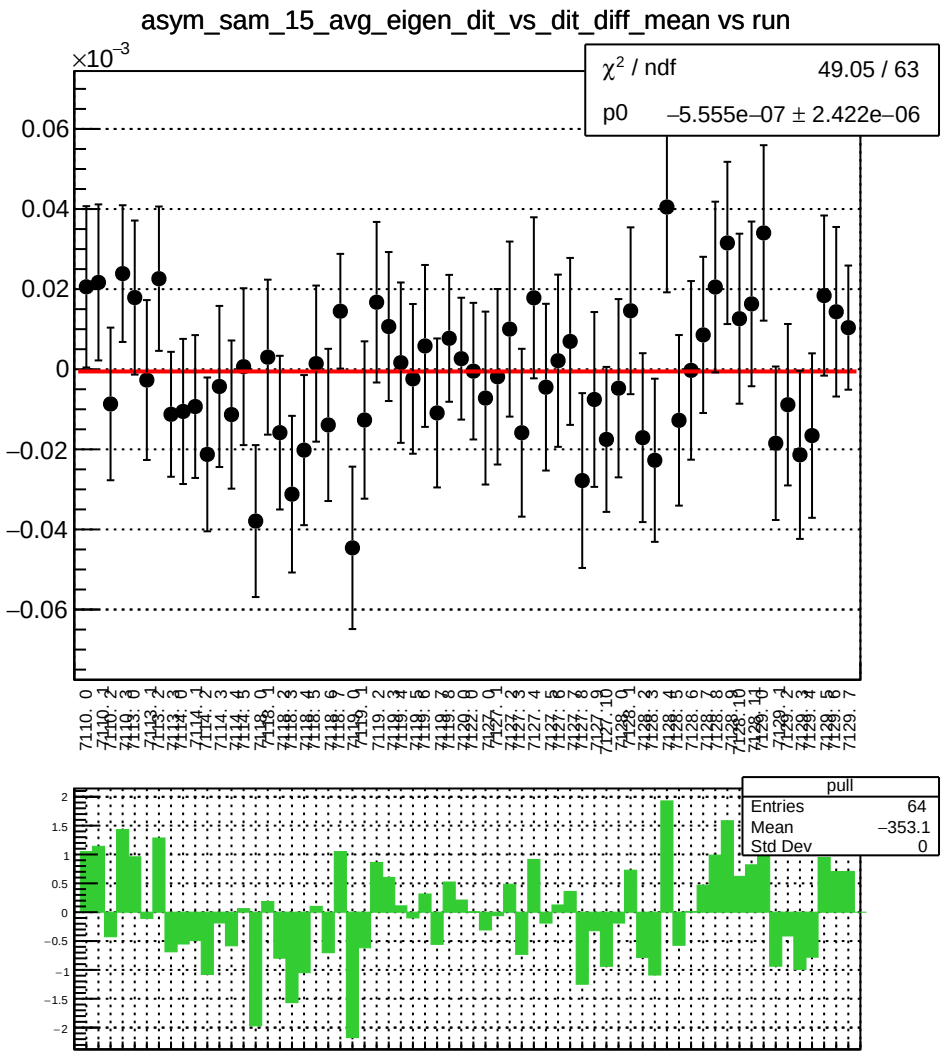

pull1D
Entries 64
Mean −0.01316
Std Dev 0.9748

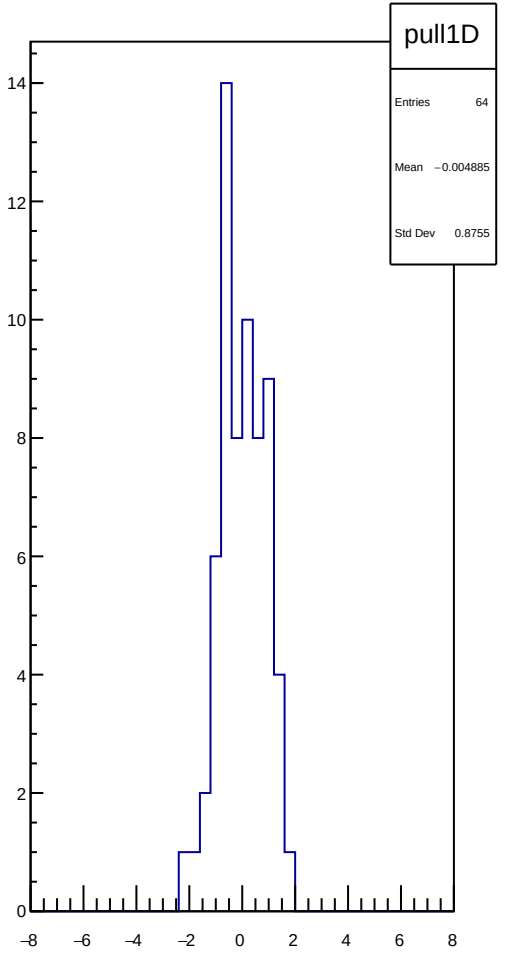

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.623e+04 / 63
p0 31.92 ± 0.0299
100
90
80
70
60
50
40
30
20

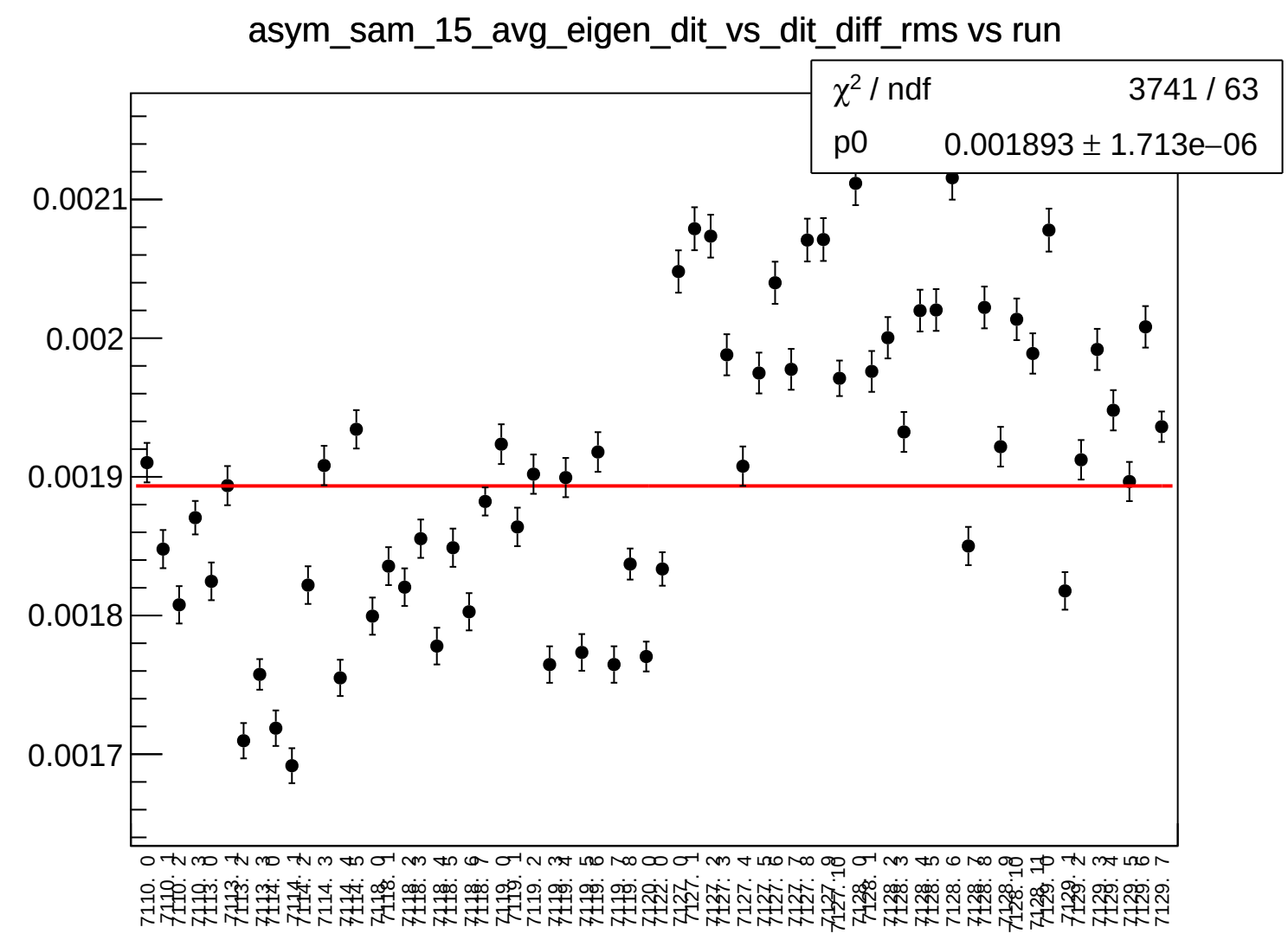

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.82 / 63
p0 0.08722 ± 0.04229
pull
Entries 64
Mean −160.1
Std Dev 0

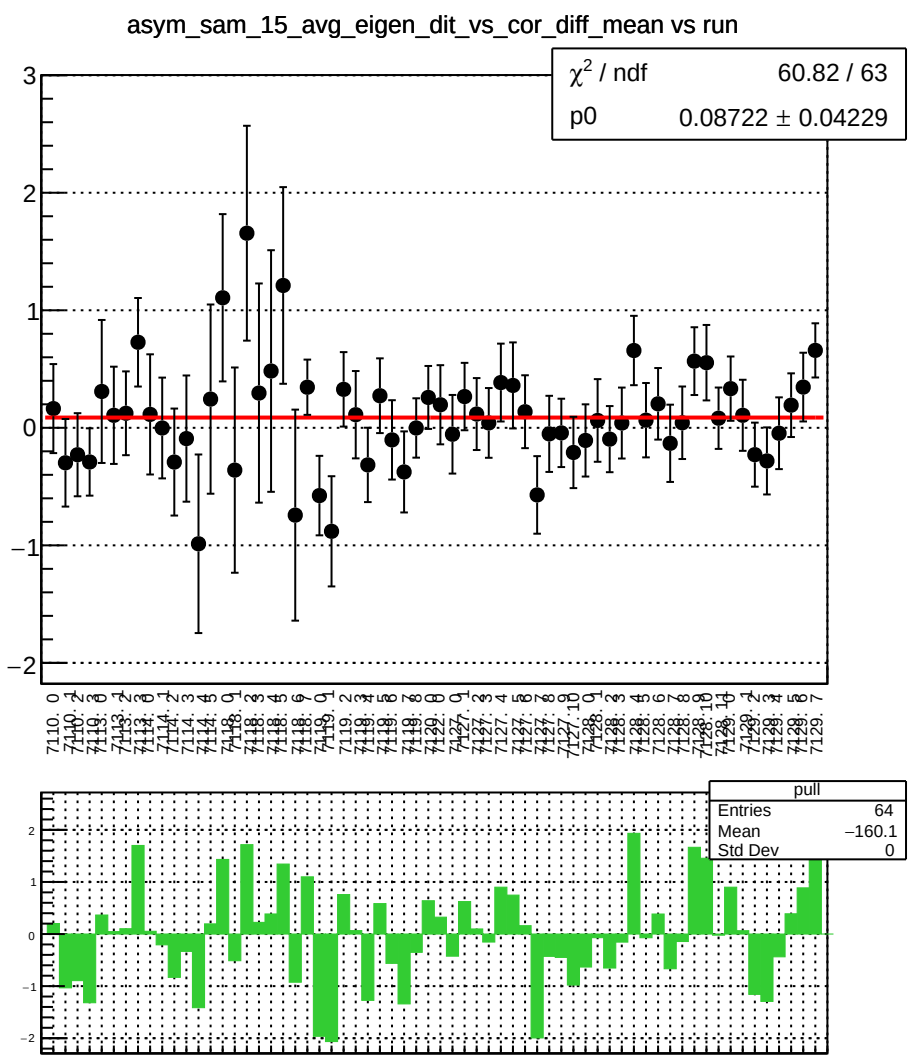

pull1D
Entries 64
Mean −0.01316
Std Dev 0.9748

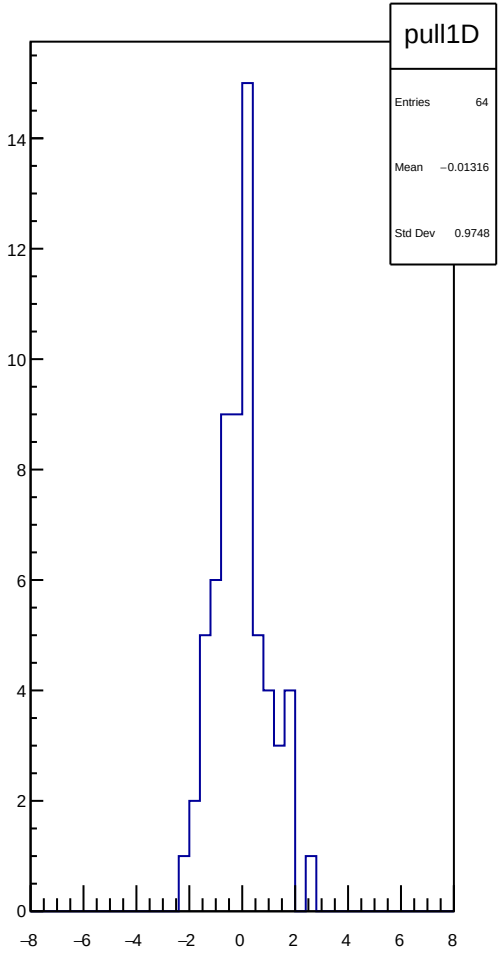

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.623e+04 / 63
p0 31.92 ± 0.0299
100
90
80
70
60
50
40
30
20

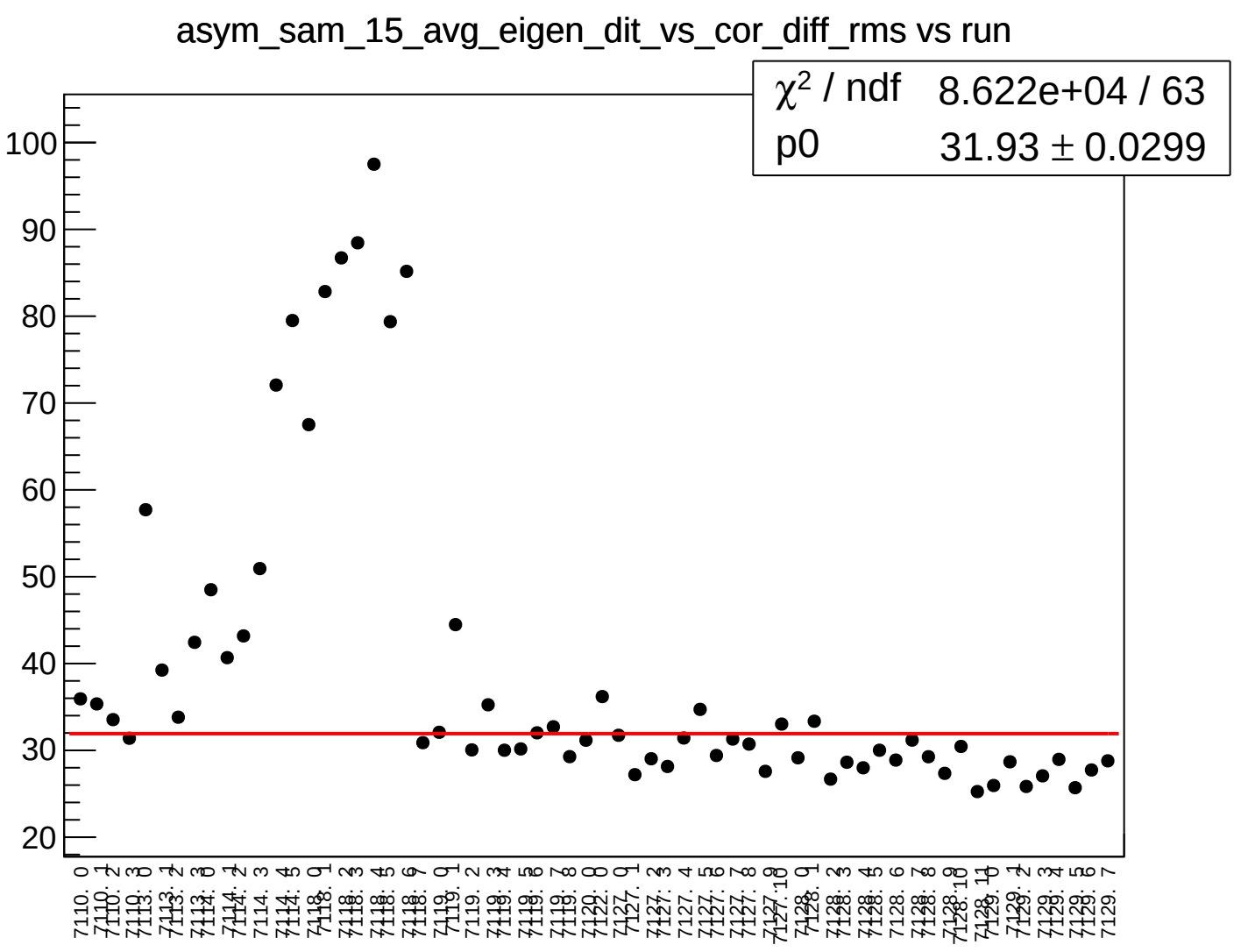

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.05 / 63
p0 −5.555e−07 ± 2.422e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean −353.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

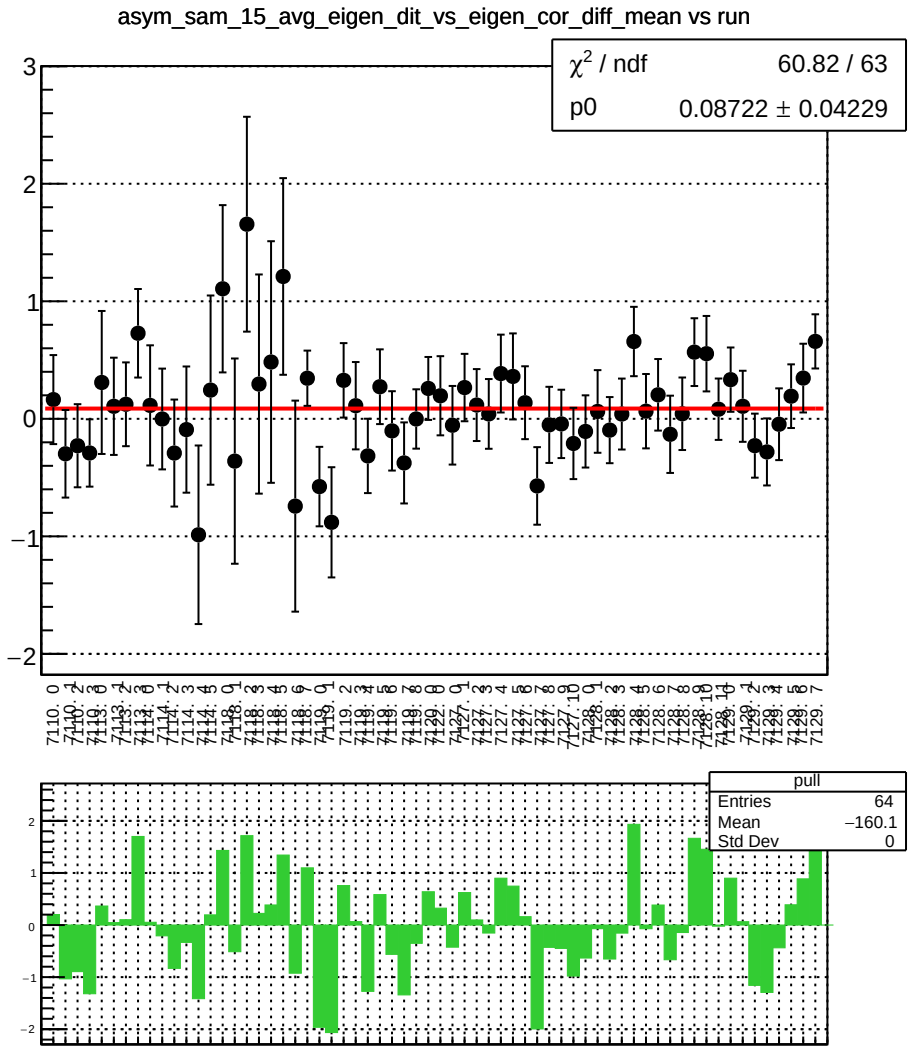

pull1D
Entries 64
Mean −0.004885
Std Dev 0.8755
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

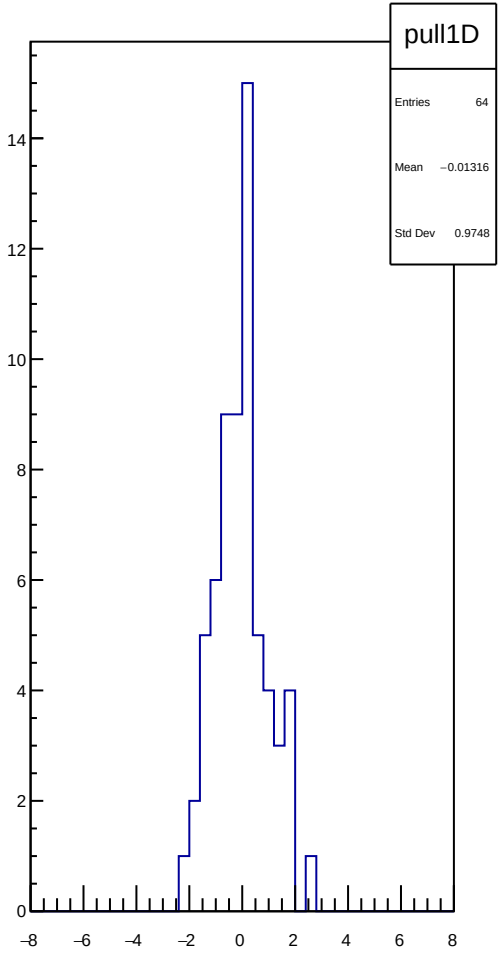

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3741 / 63
p0 0.001893 ± 1.713e−06
0.0021
0.002
0.0019
0.0018
0.0017

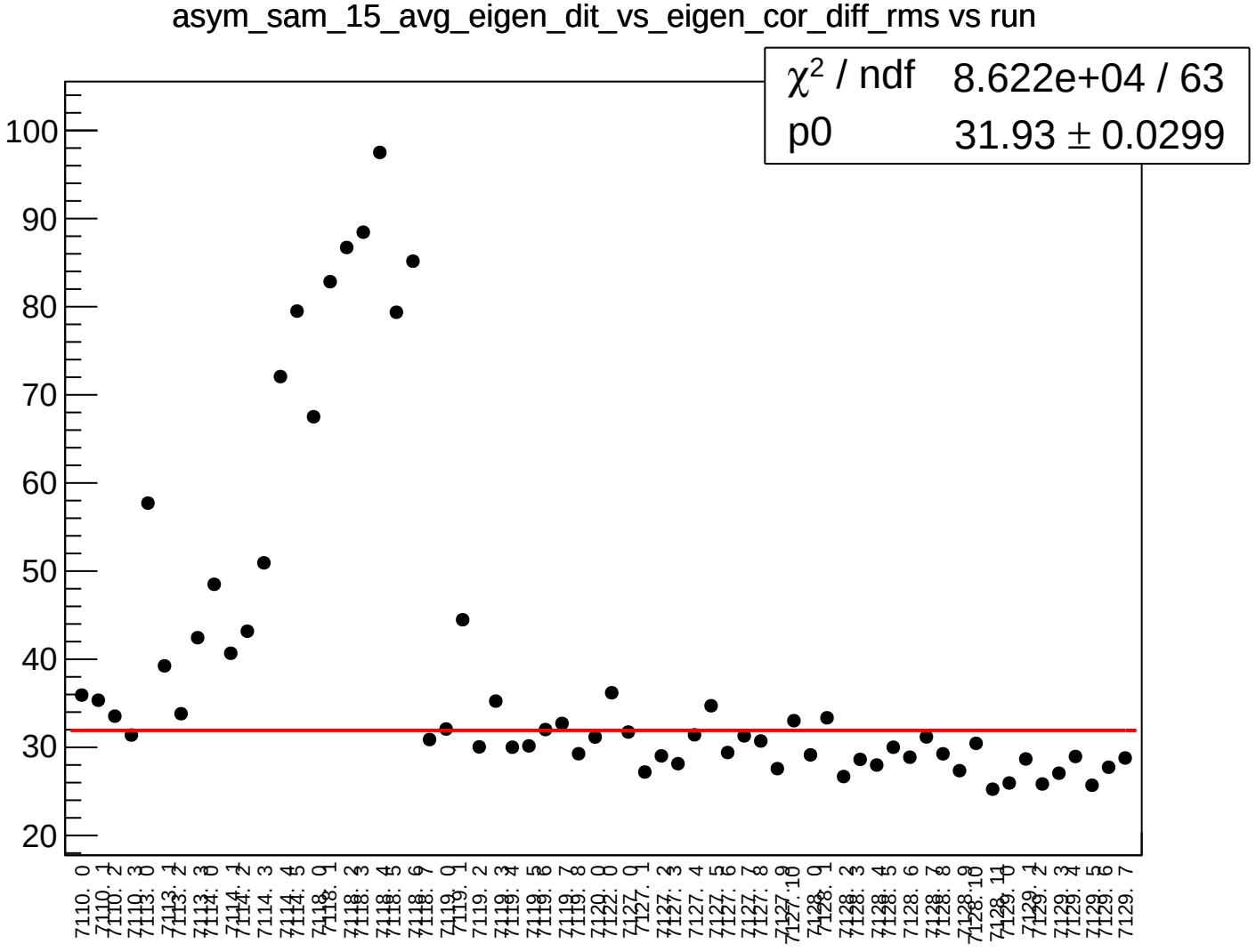

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.82 / 63
p0 0.08722 ± 0.04229
pull
Entries 64
Mean −160.1
Std Dev 0

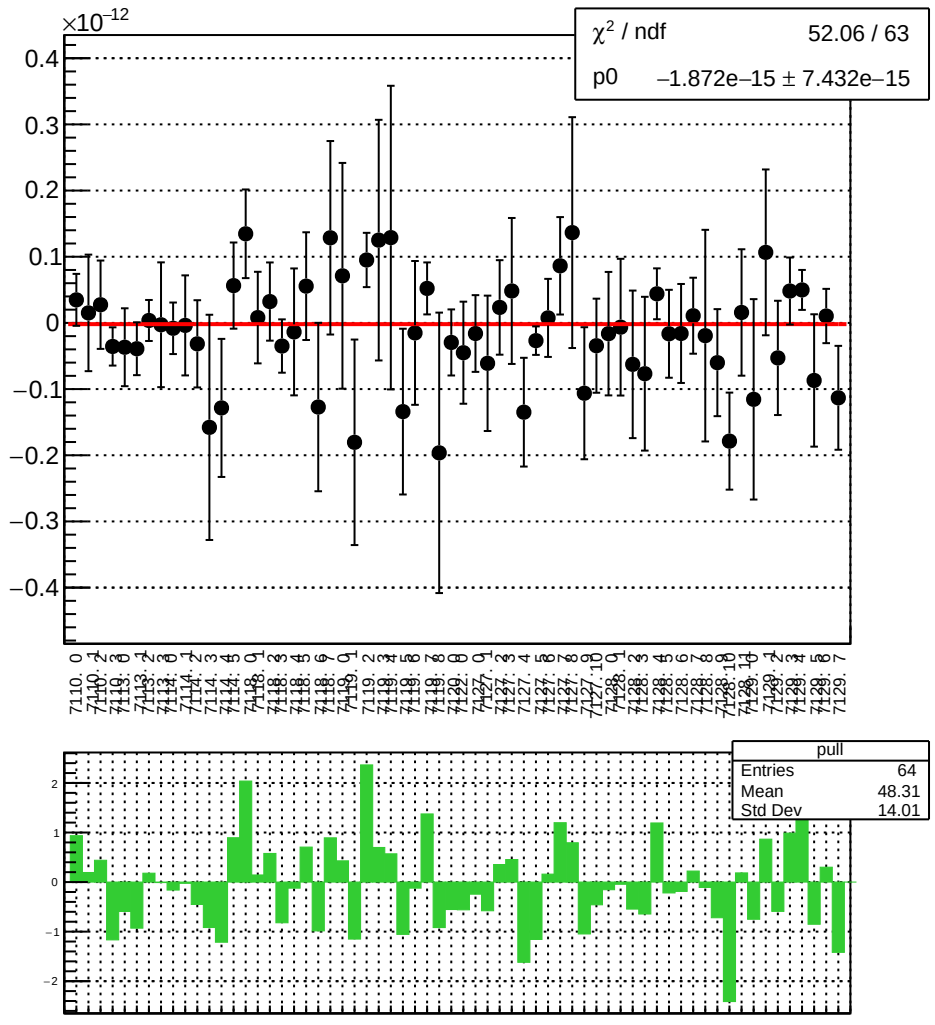

pull1D
Entries 64
Mean −0.01316
Std Dev 0.9748

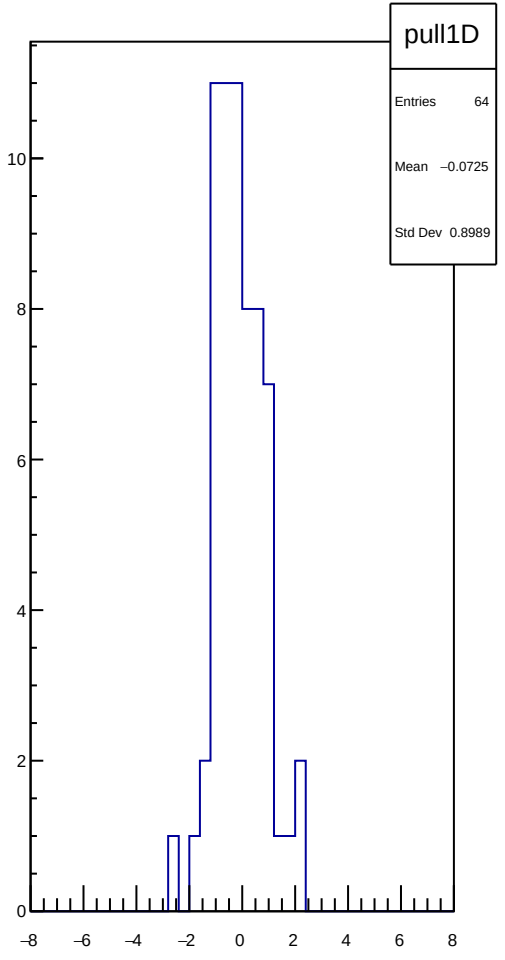

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.622e+04 / 63
p0 31.93 ± 0.0299
100
90
80
70
60
50
40
30
20

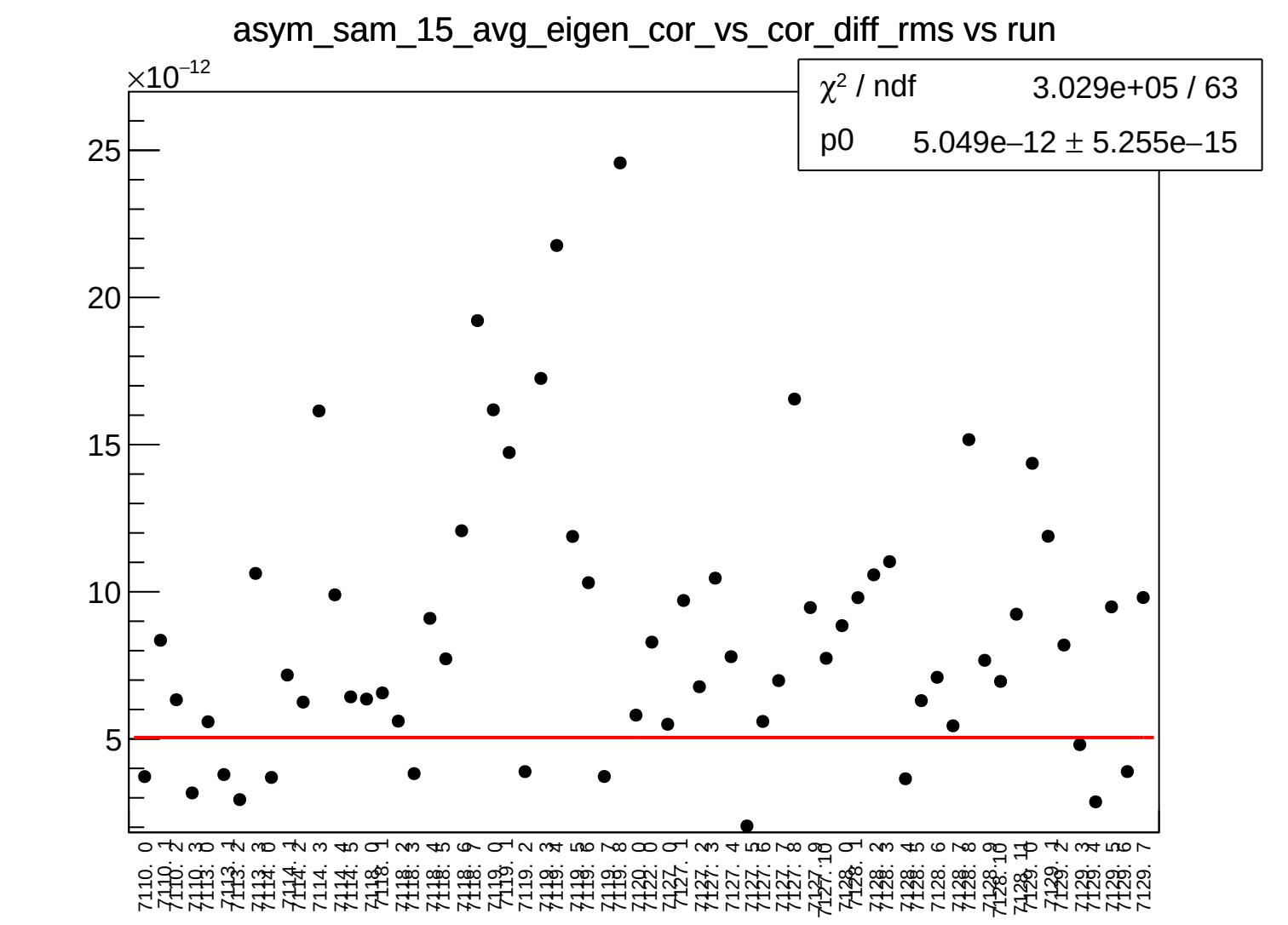

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.82 / 63
p0 0.08722 ± 0.04229
pull
Entries 64
Mean −160.1
Std Dev 0

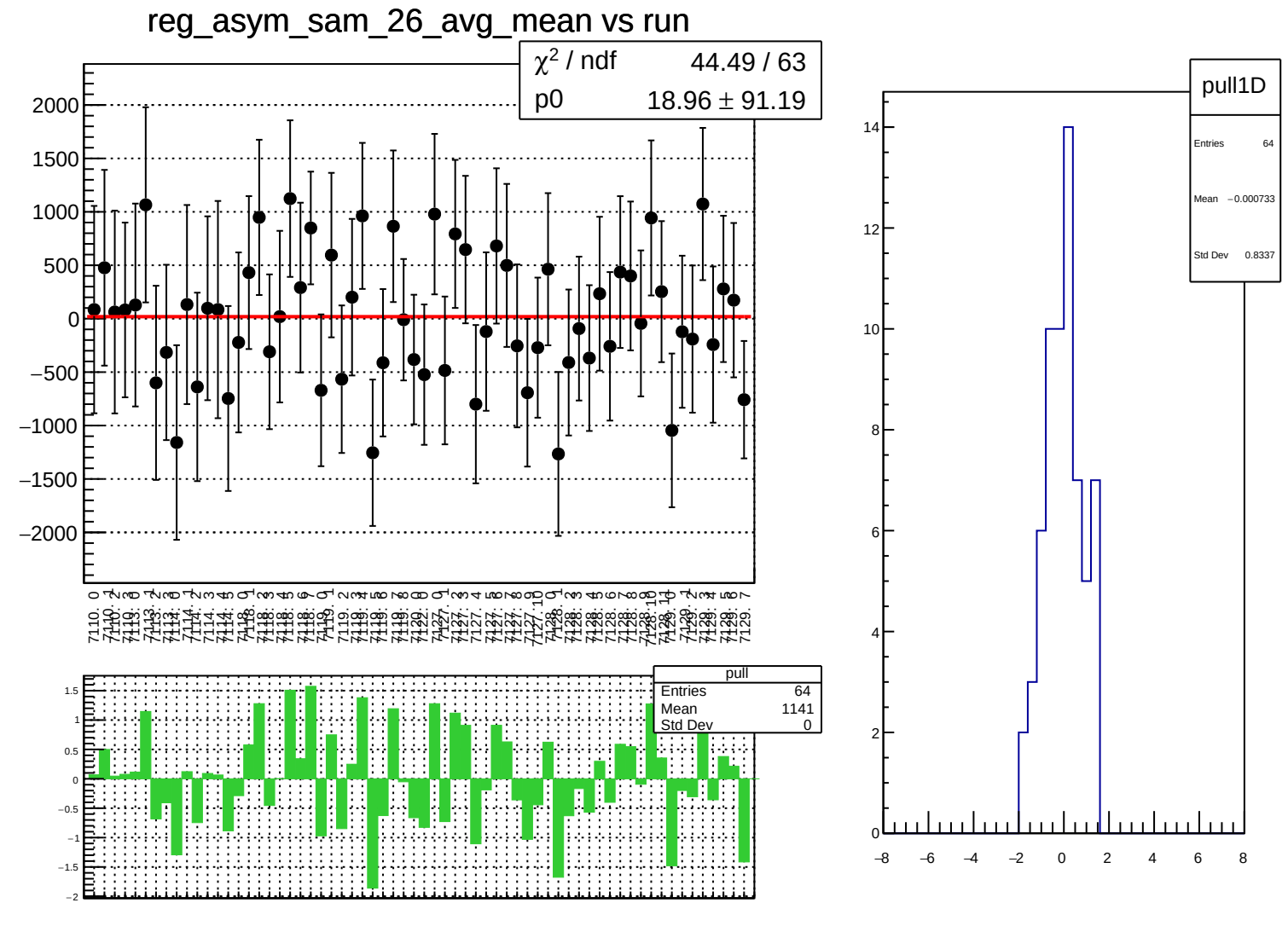

pull1D
Entries 64
Mean −0.01316
Std Dev 0.9748

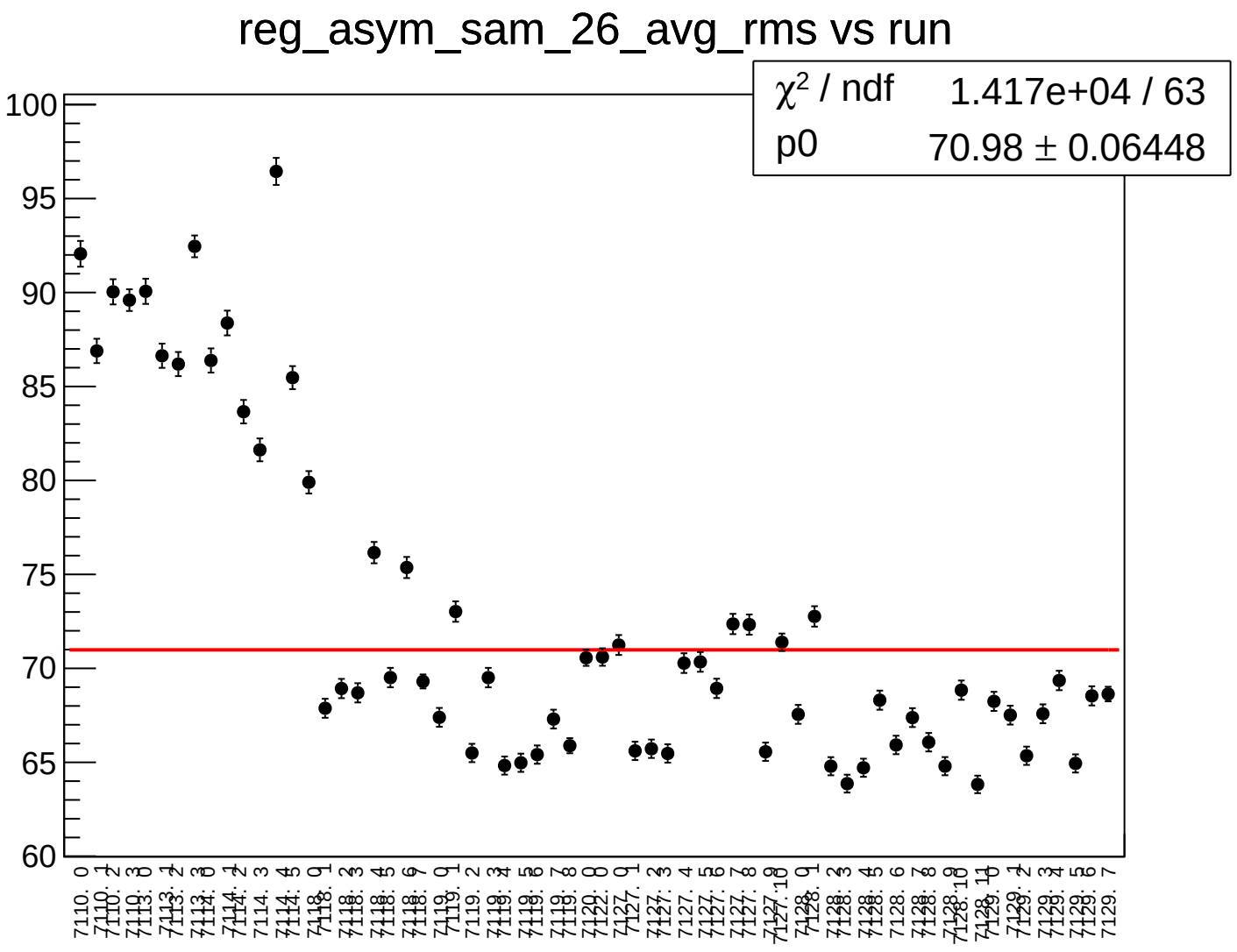

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.622e+04 / 63
p0 31.93 ± 0.0299
100
90
80
70
60
50
40
30
20

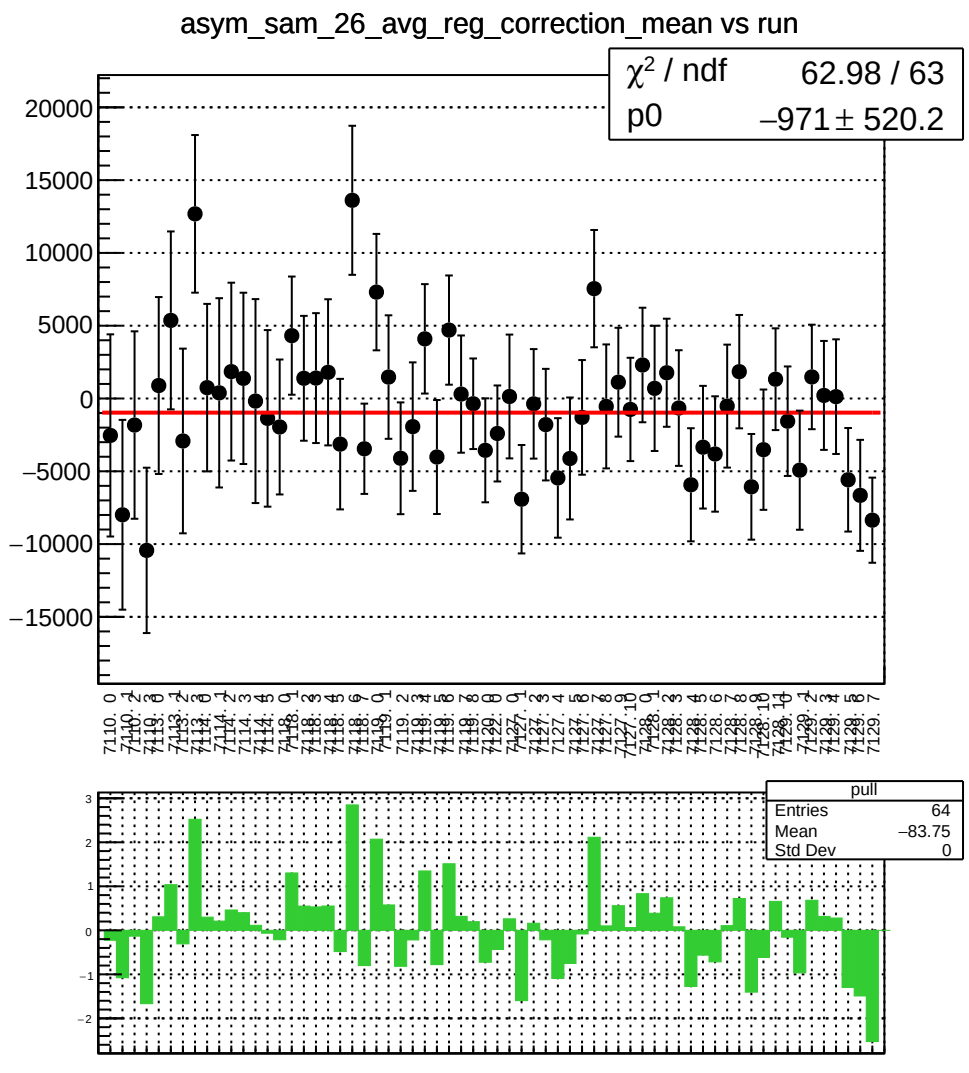

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.06 / 63
p0 −1.872e−15 ± 7.432e−15
pull
Entries 64
Mean 48.31
Std Dev 14.01

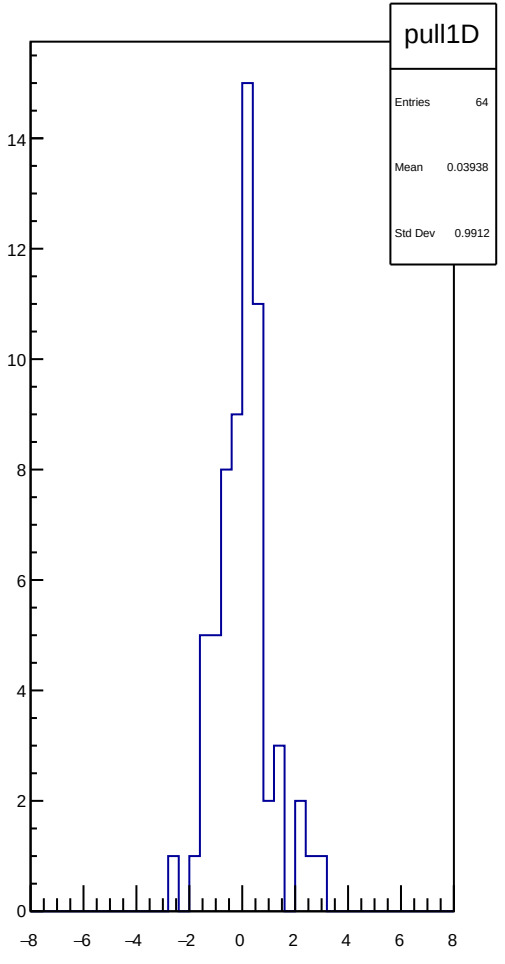

pull1D
Entries 64
Mean −0.0725
Std Dev 0.8989

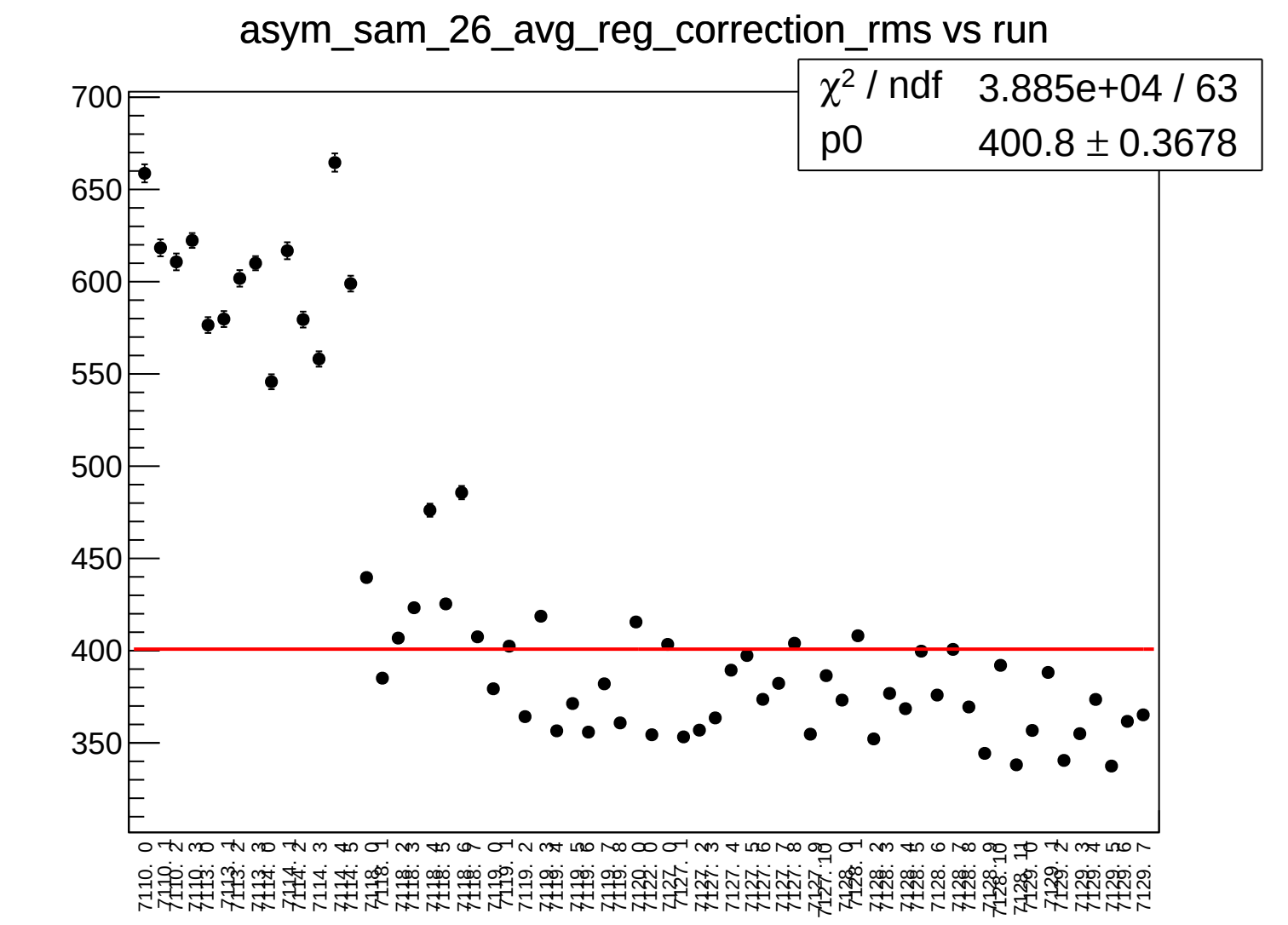

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.029e+05 / 63
p0 5.049e−12 ± 5.255e−15
25
20
15
10
5

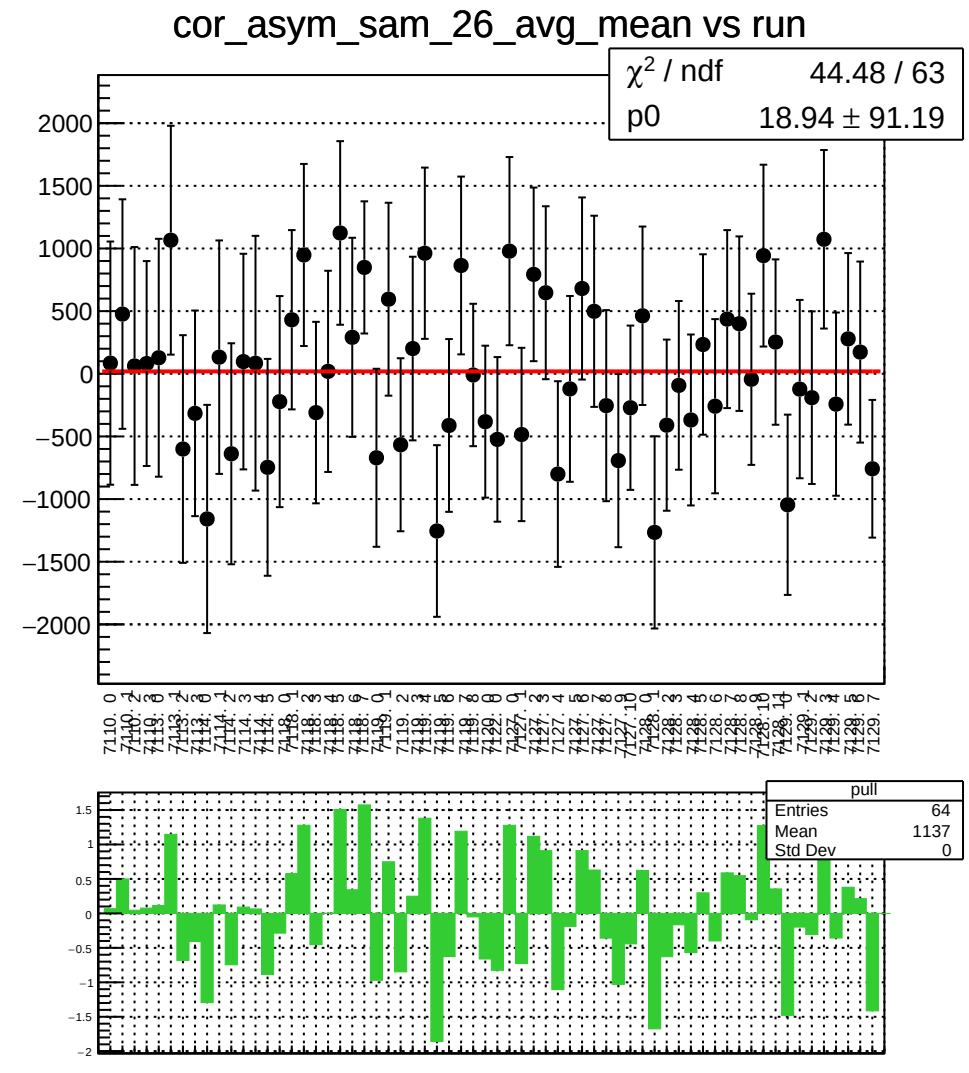

reg_asym_sam_26_avg_mean vs run
χ² / ndf 44.49 / 63
p0 18.96 ± 91.19
pull
Entries 64
Mean 1141
Std Dev 0
pull1D
Entries 64
Mean −0.000733
Std Dev 0.8337

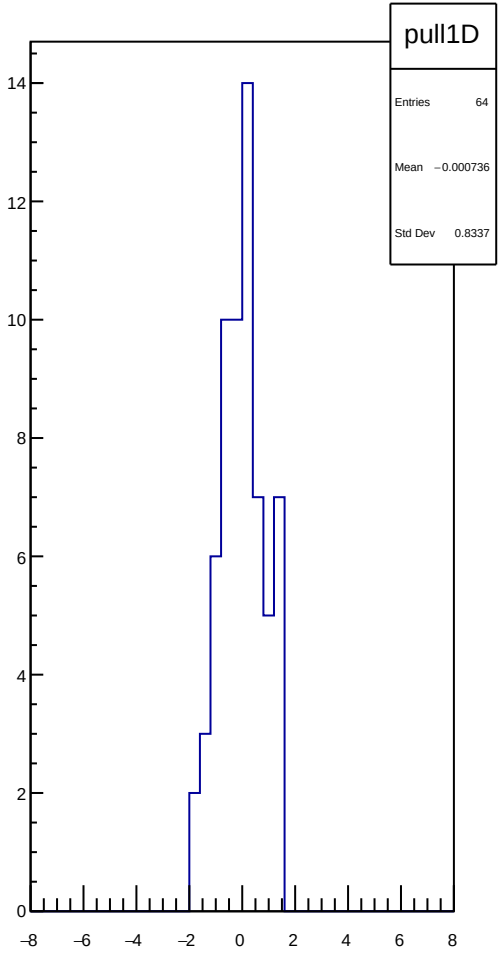

reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.417e+04 / 63
p0 70.98 ± 0.06448
100
95
90
85
80
75
70
65
60

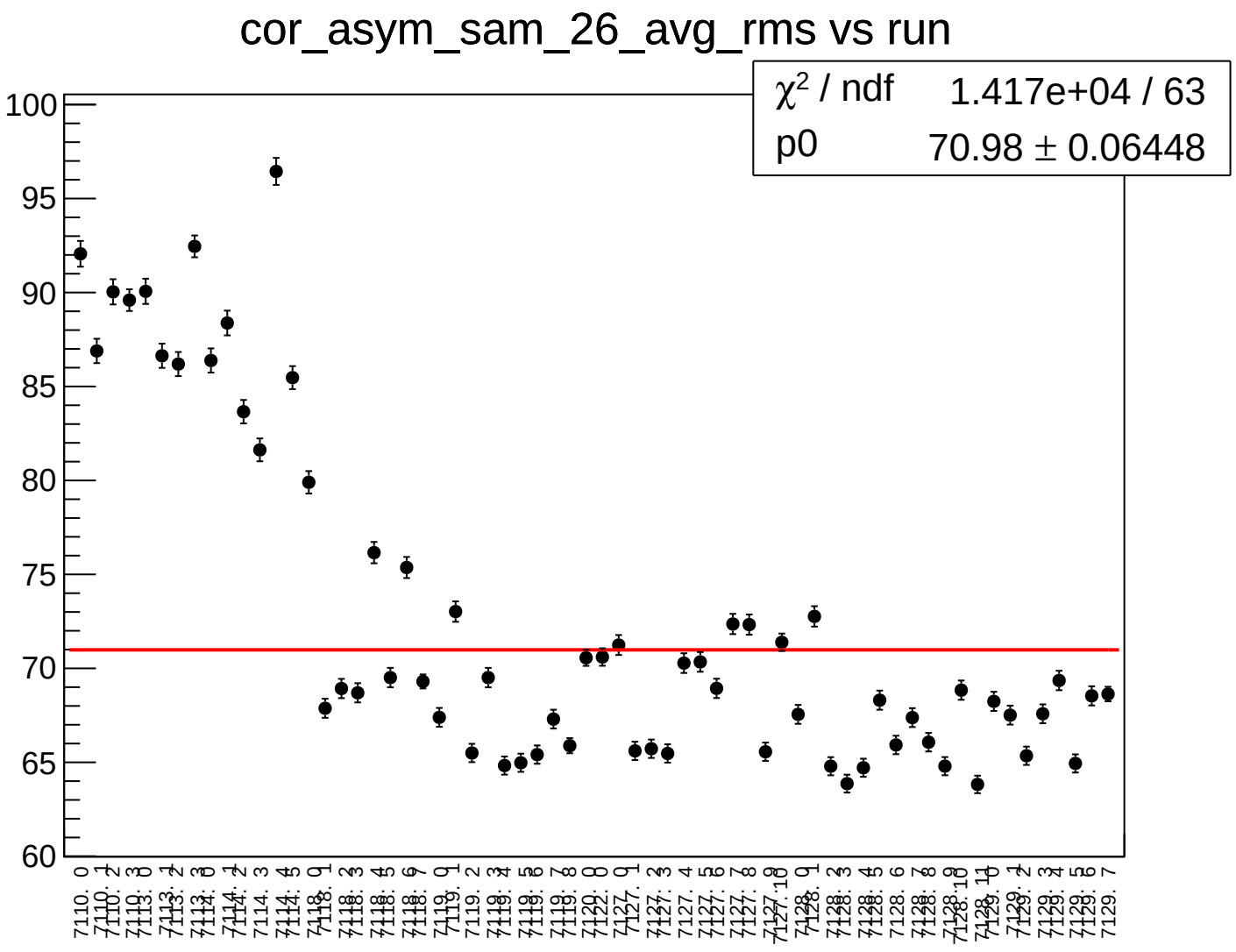

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 62.98 / 63
p0 −971 ± 520.2
pull
Entries 64
Mean −83.75
Std Dev 0

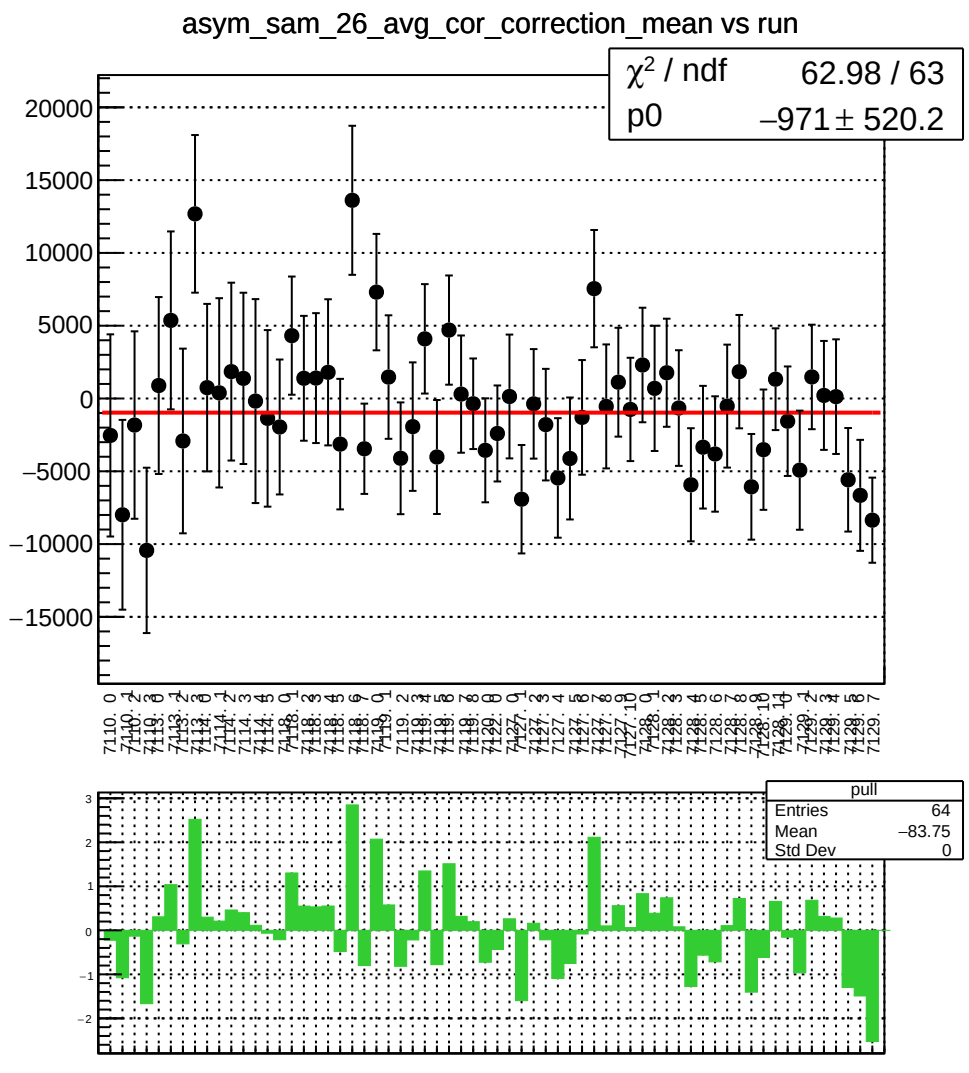

pull1D
Entries 64
Mean 0.03938
Std Dev 0.9912

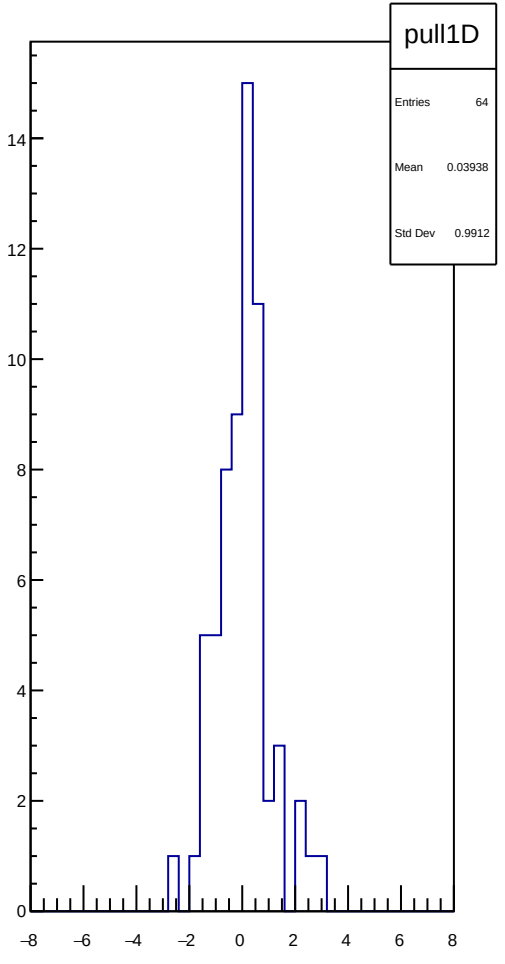

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 3.885e+04 / 63
p0 400.8 ± 0.3678
700
650
600
550
500
450
400
350

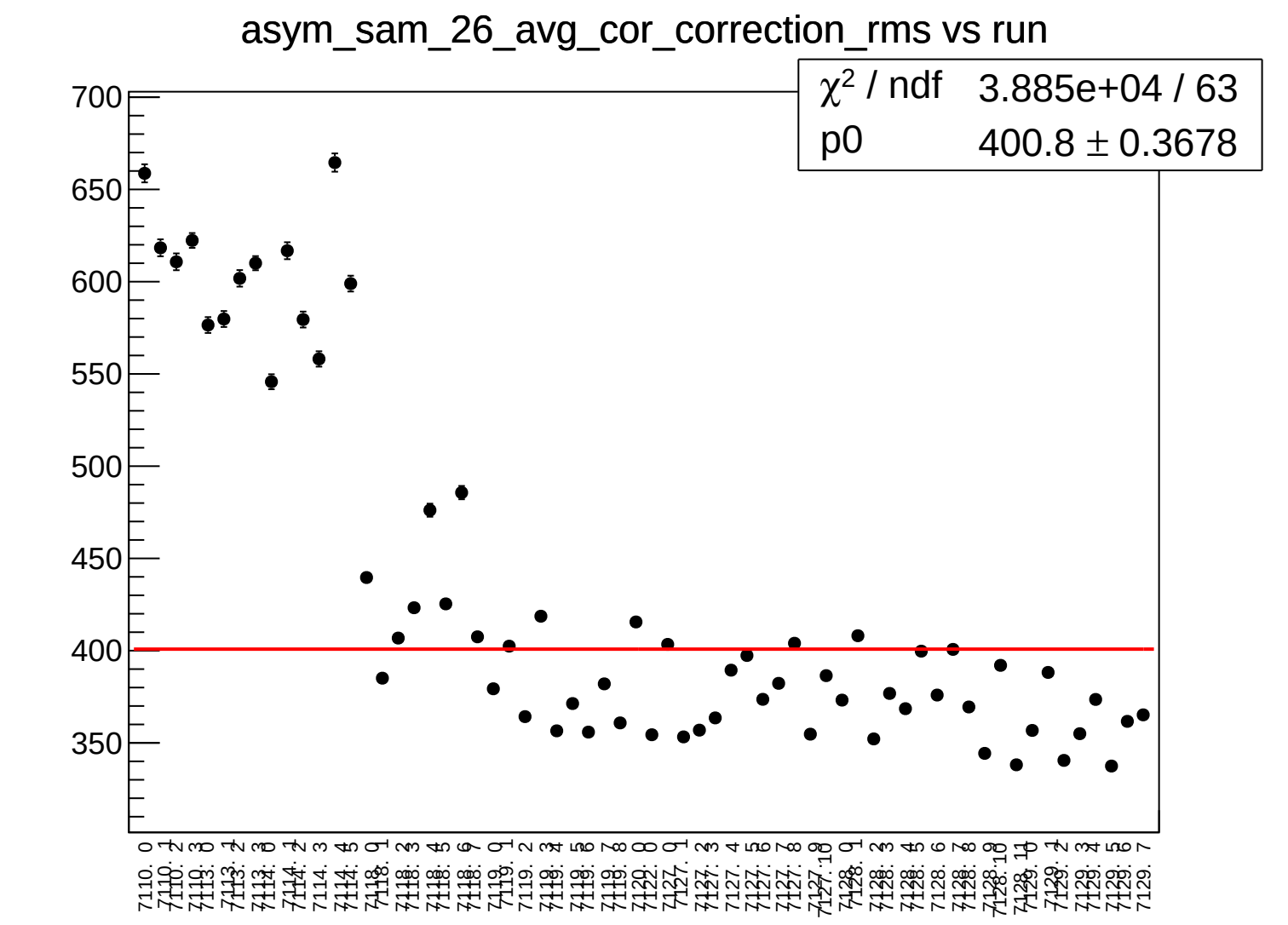

cor_asym_sam_26_avg_mean vs run
χ² / ndf 44.48 / 63
p0 18.94 ± 91.19
pull
Entries 64
Mean 1137
Std Dev 0

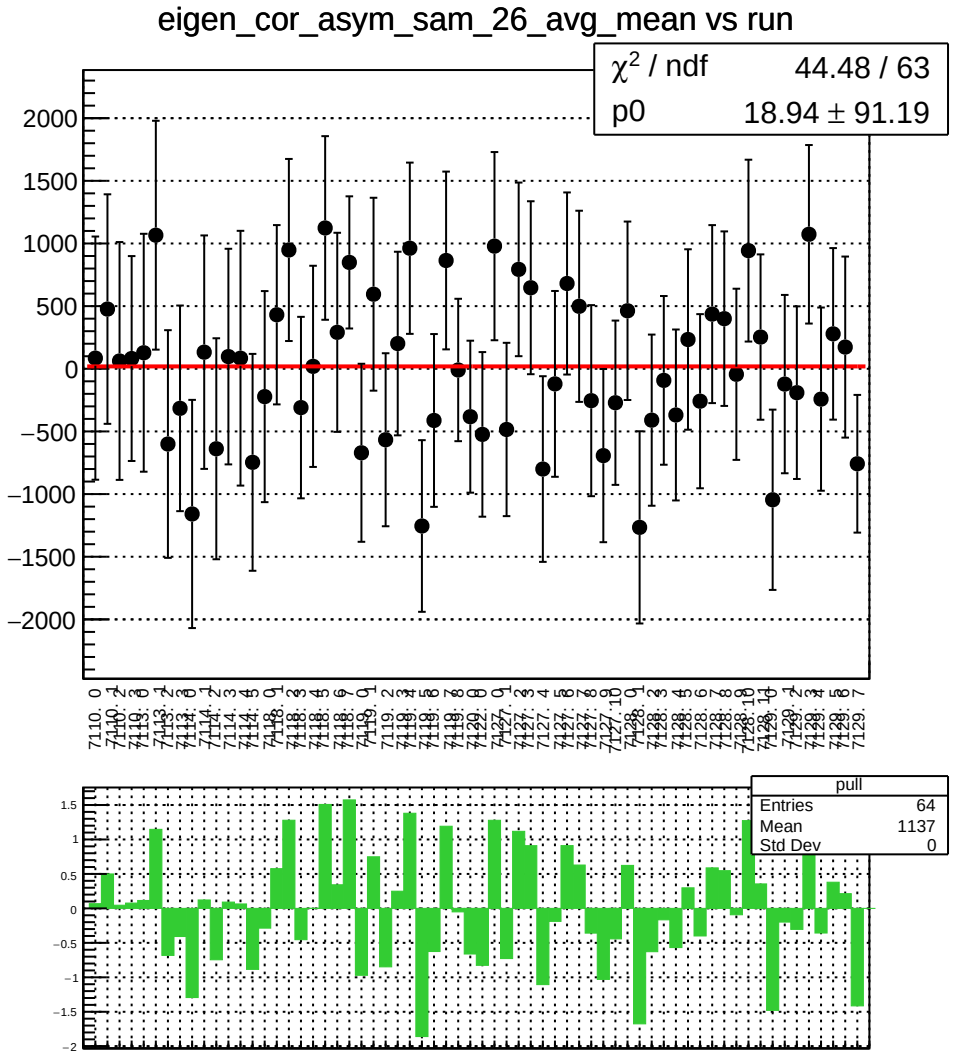

pull1D
Entries 64
Mean −0.000736
Std Dev 0.8337

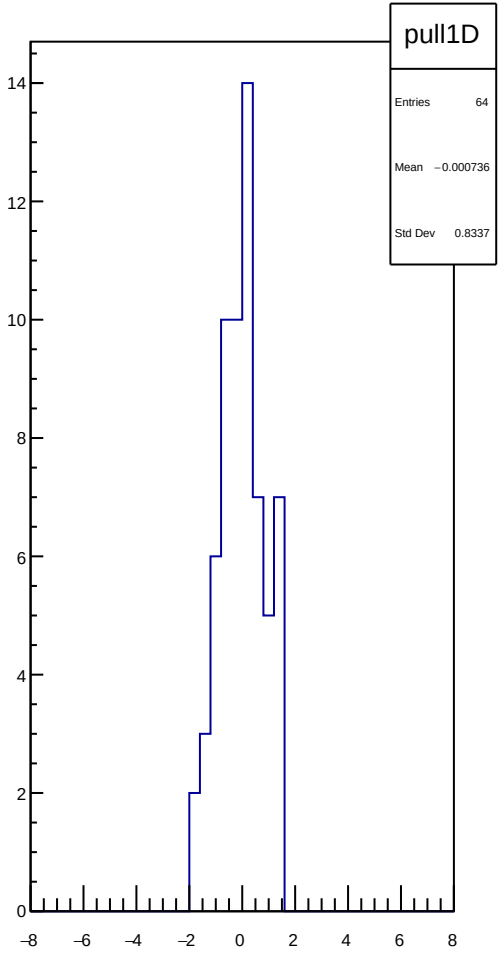

cor_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.417e+04 / 63
p0 70.98 ± 0.06448
100
95
90
85
80
75
70
65
60

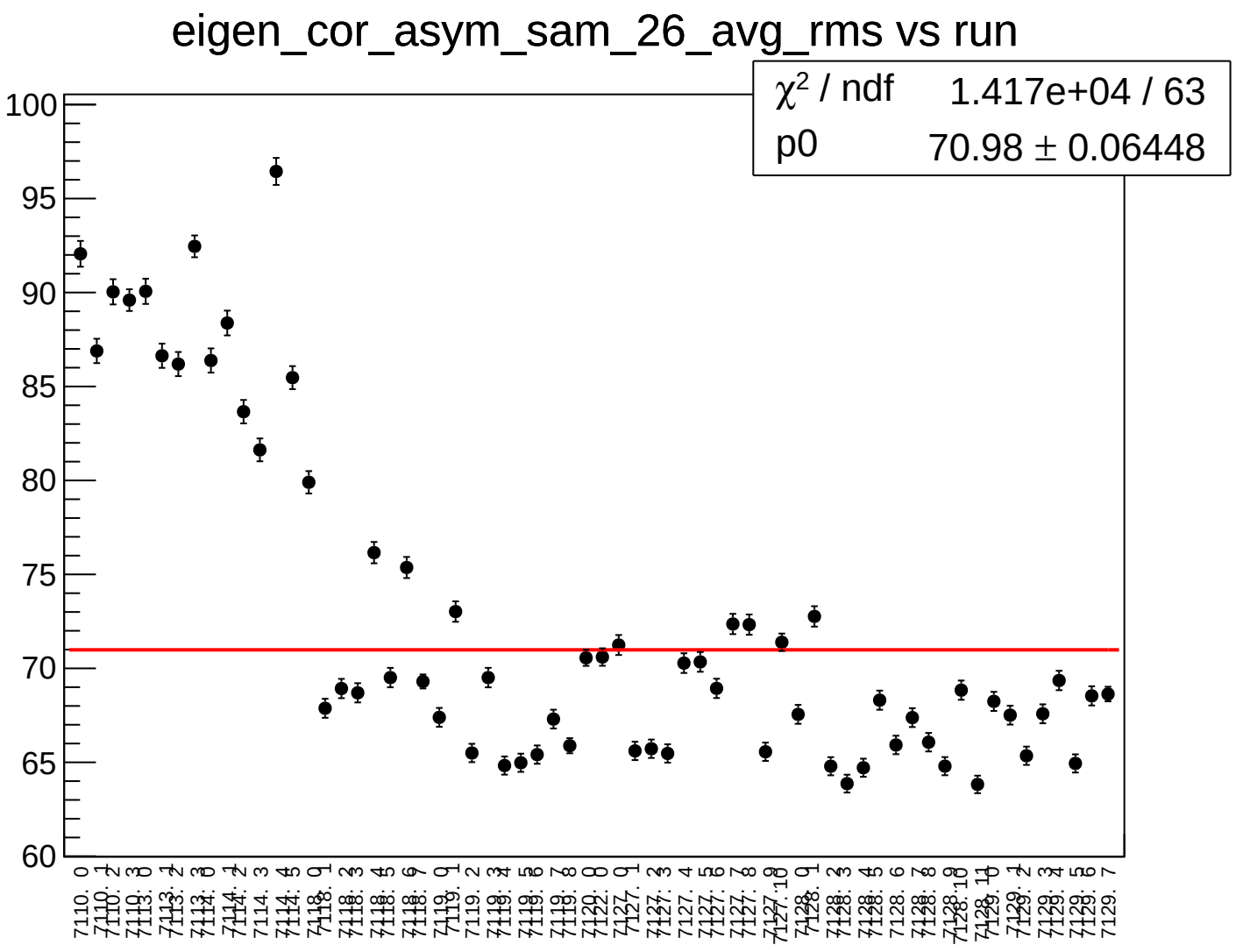

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 62.98 / 63
p0 −971 ± 520.2
pull
Entries 64
Mean −83.75
Std Dev 0

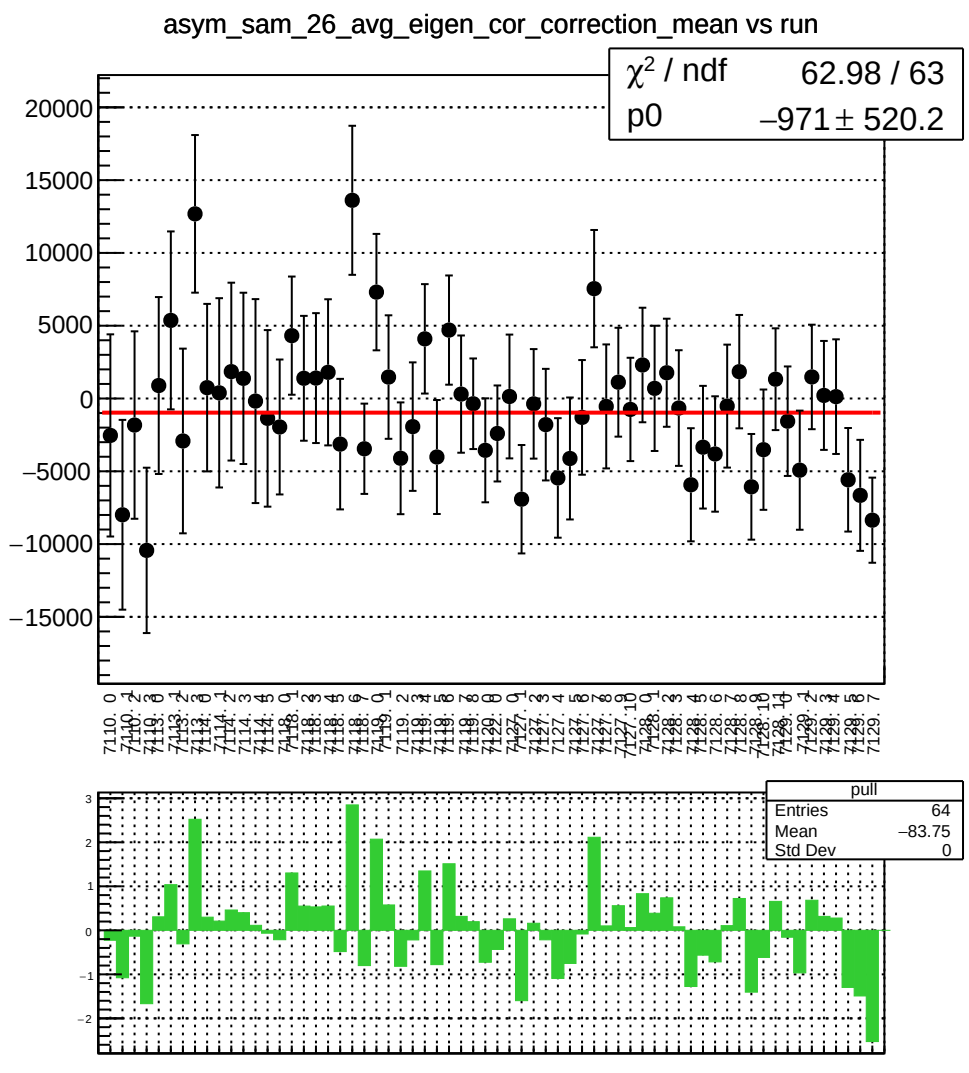

pull1D
Entries 64
Mean 0.03938
Std Dev 0.9912

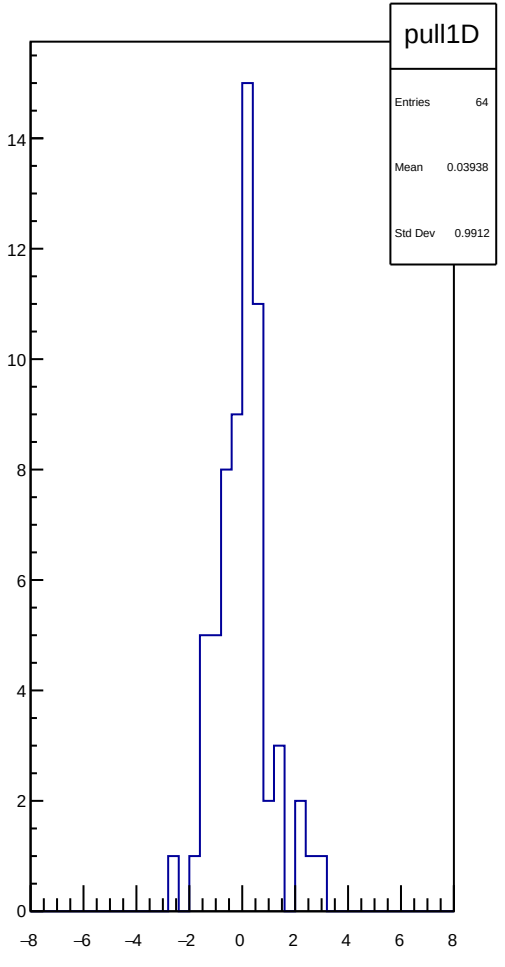

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 3.885e+04 / 63
p0 400.8 ± 0.3678
700
650
600
550
500
450
400
350

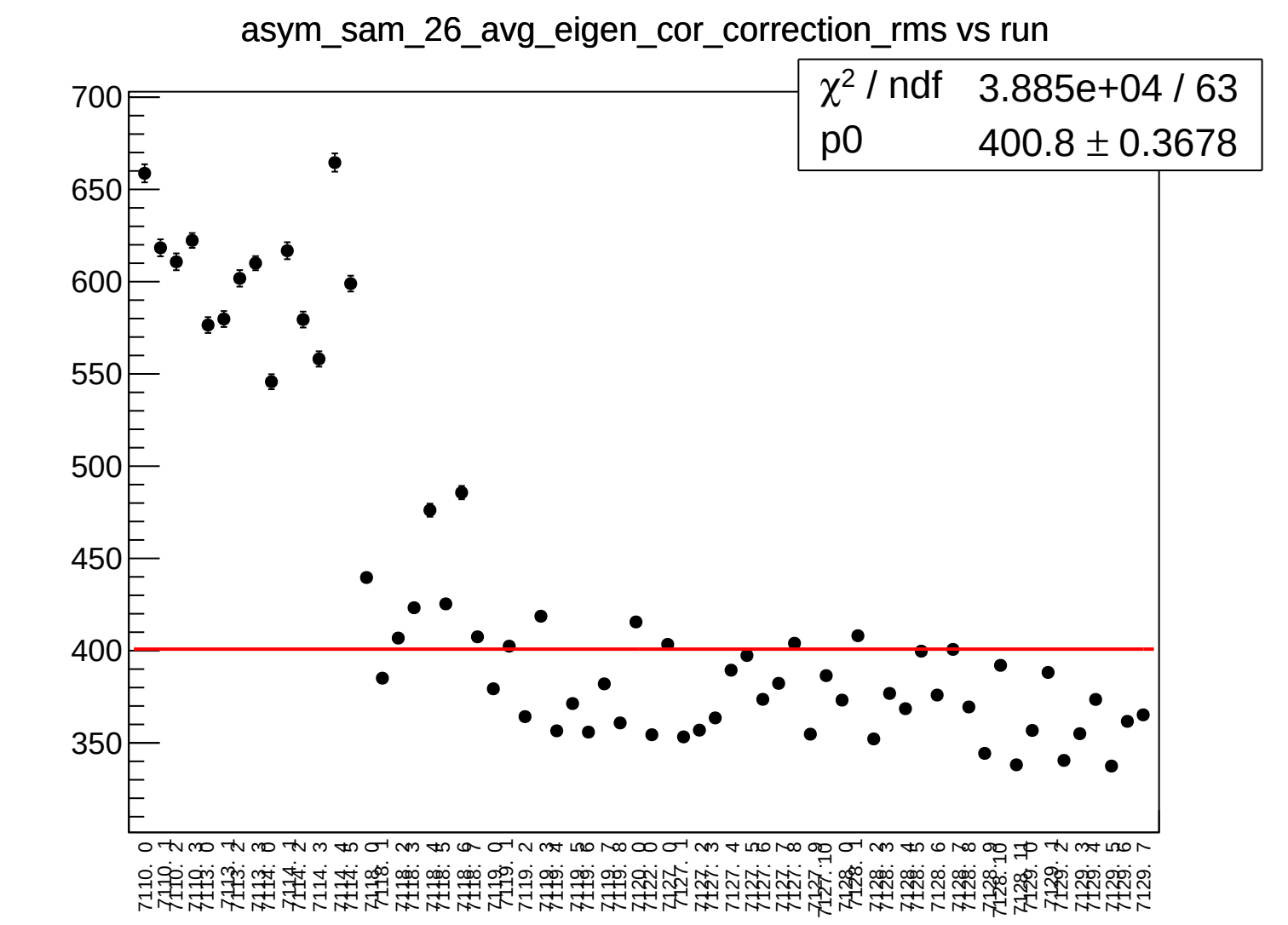

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 44.48 / 63
p0 18.94 ± 91.19
pull
Entries 64
Mean 1137
Std Dev 0

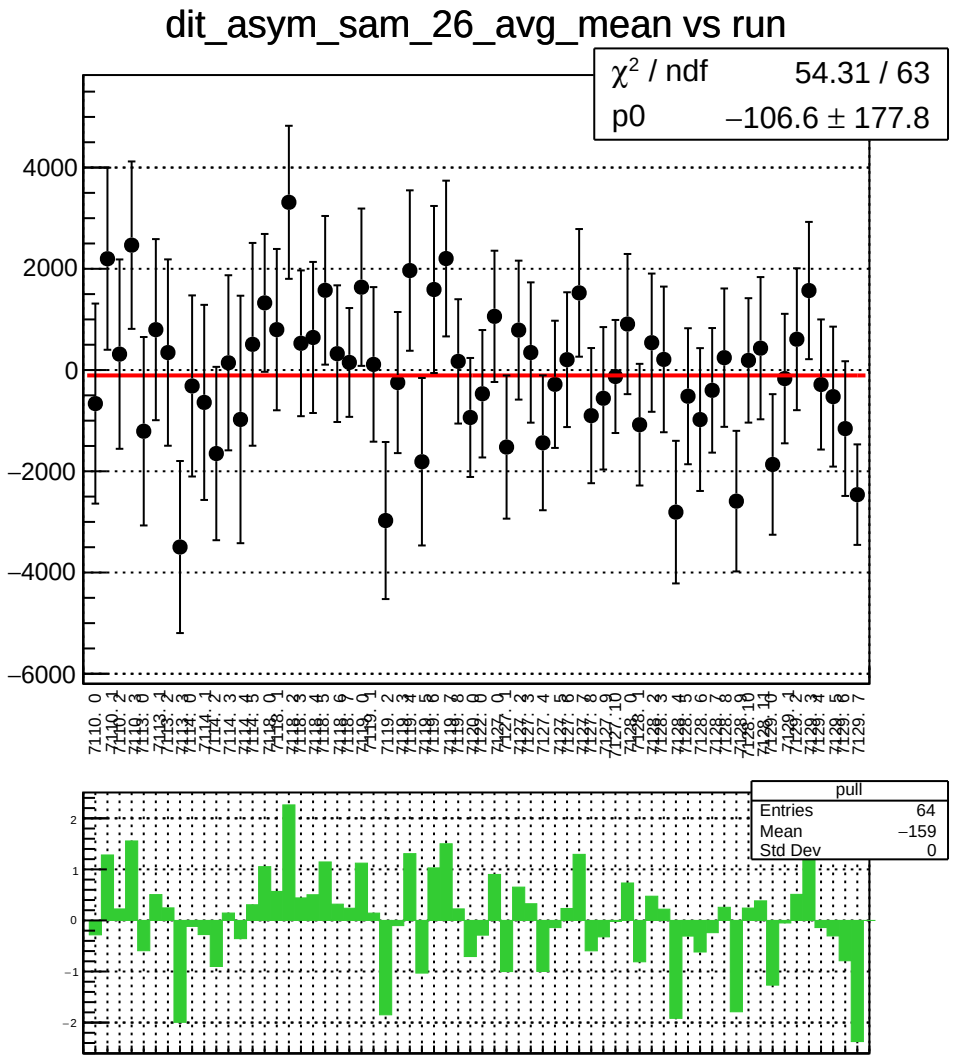

pull1D
Entries 64
Mean −0.000736
Std Dev 0.8337

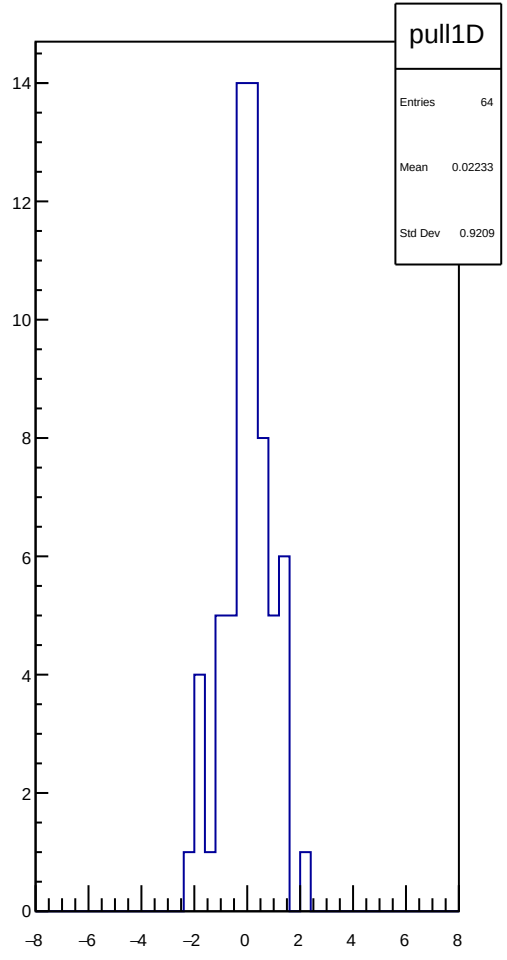

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.417e+04 / 63
p0 70.98 ± 0.06448
100
95
90
85
80
75
70
65
60

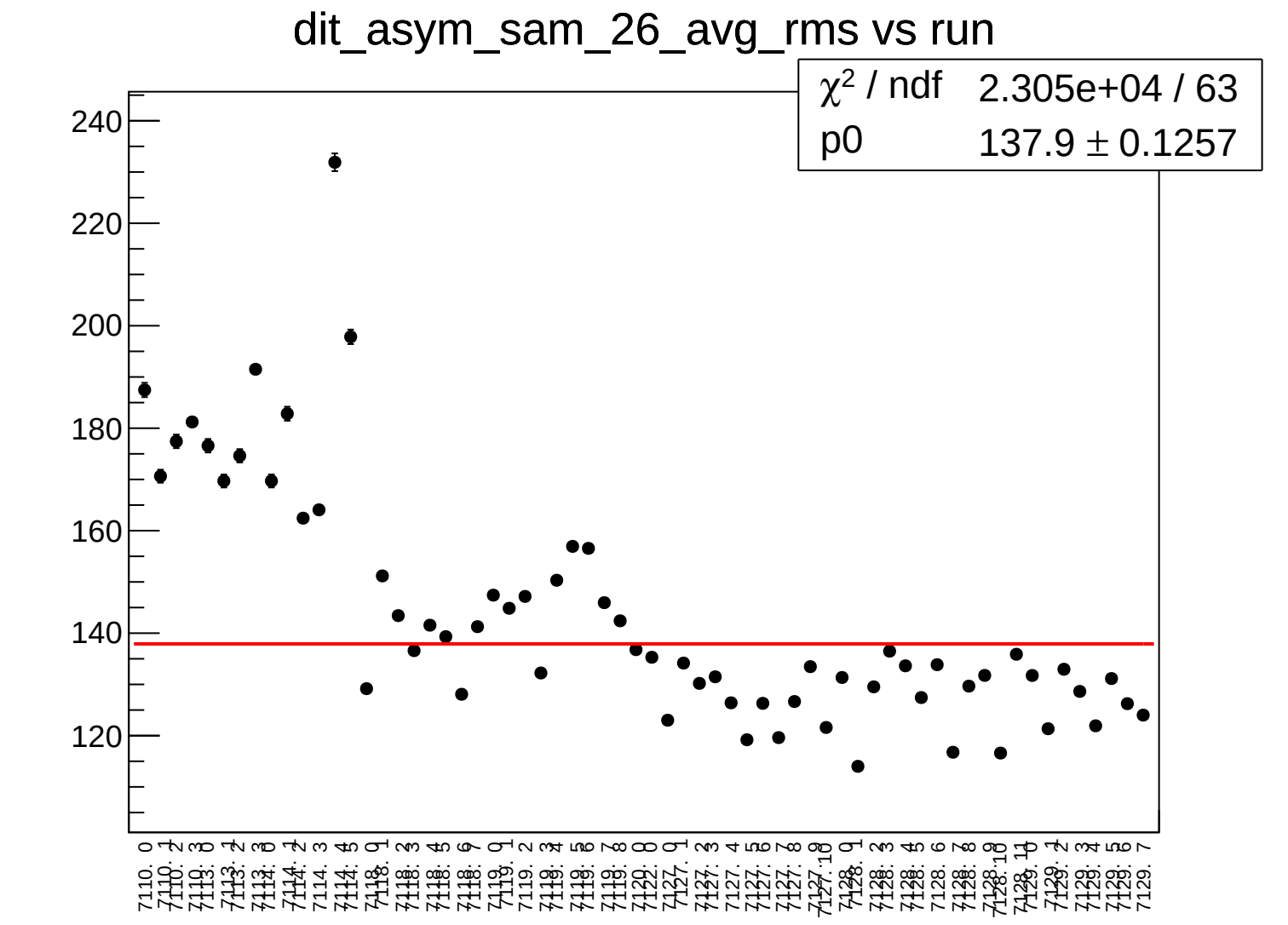

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.98 / 63
p0 −971 ± 520.2
pull
Entries 64
Mean −83.75
Std Dev 0

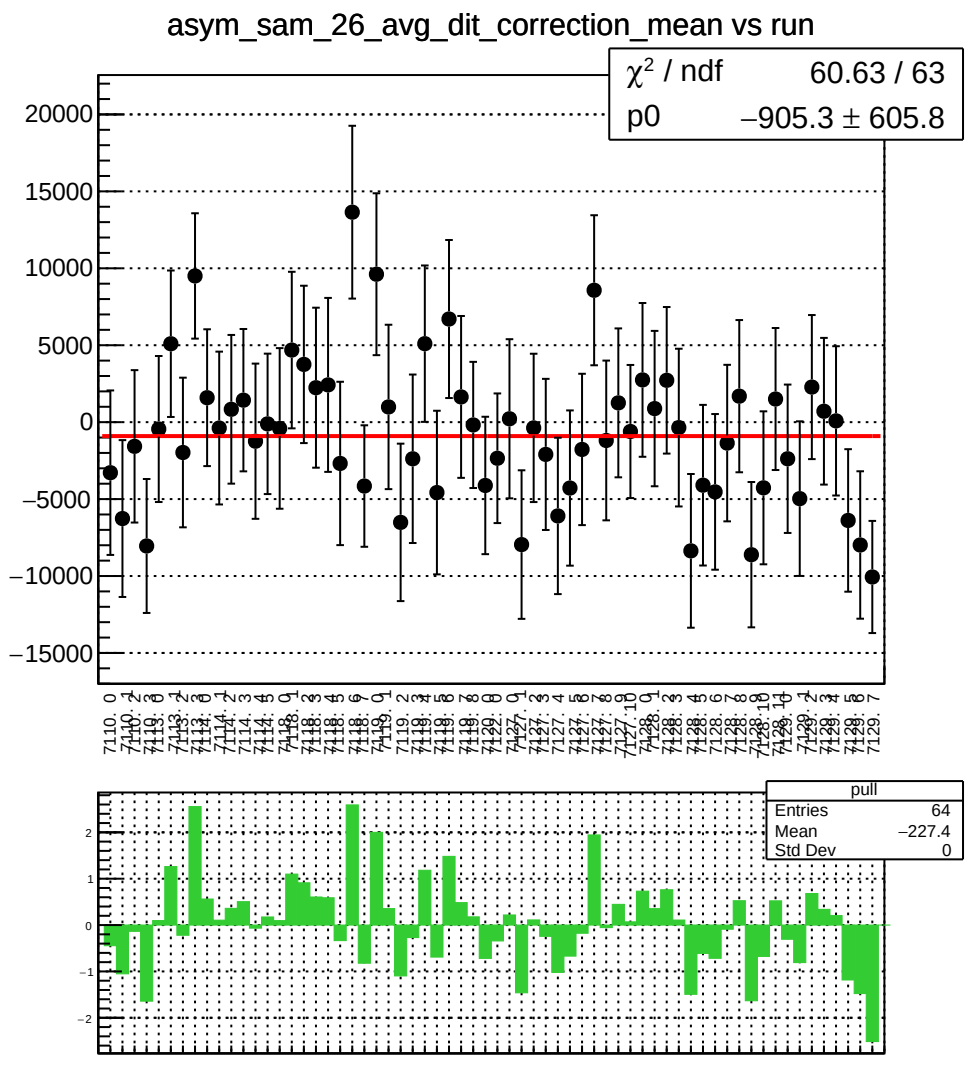

pull1D
Entries 64
Mean 0.03938
Std Dev 0.9912

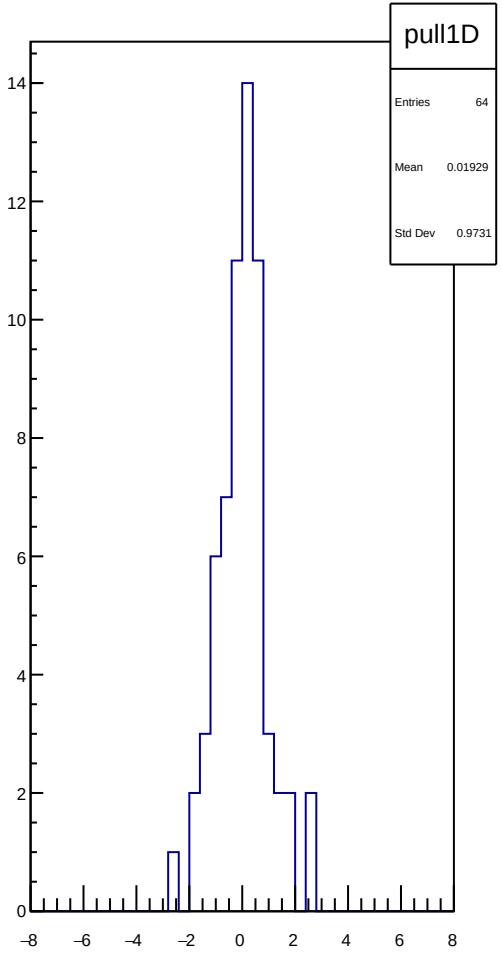

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.885e+04 / 63
p0 400.8 ± 0.3678
700
650
600
550
500
450
400
350

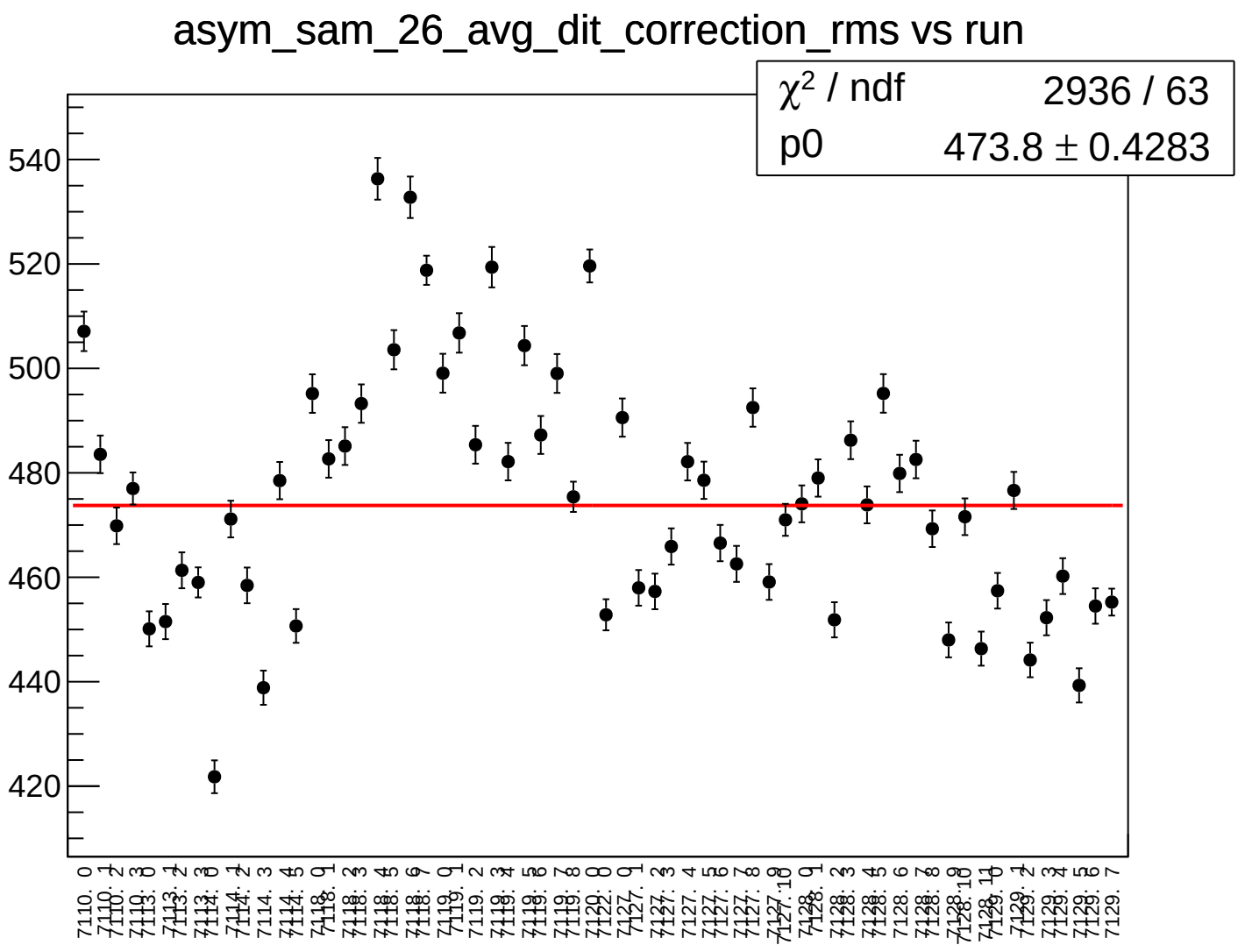

dit_asym_sam_26_avg_mean vs run
χ² / ndf 54.31 / 63
p0 −106.6 ± 177.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean −159
Std Dev 0
2
1
0
−1
−2

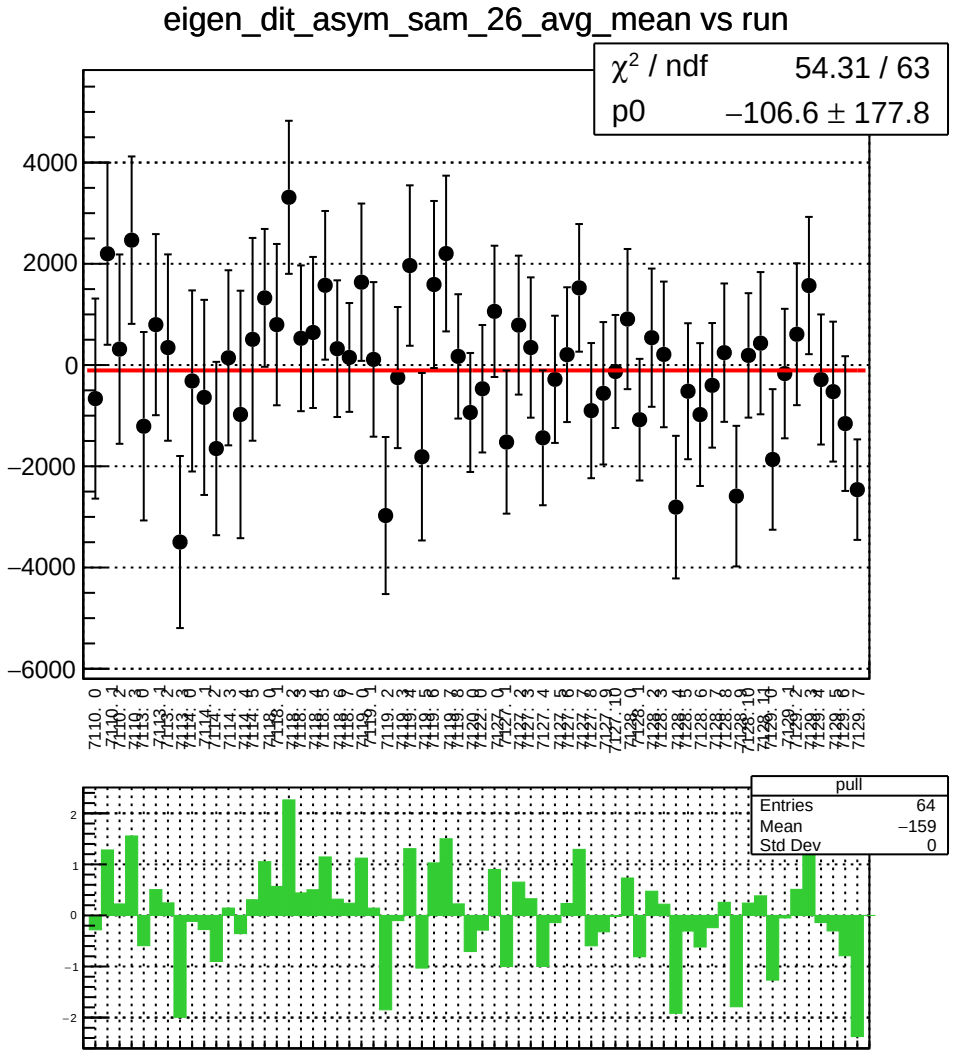

pull1D
Entries 64
Mean 0.02233
Std Dev 0.9209
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

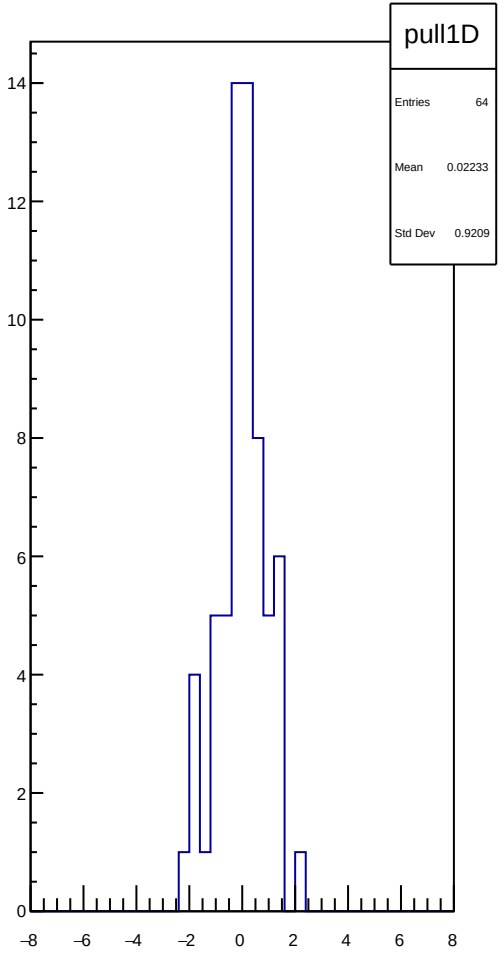

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.305e+04 / 63
p0 137.9 ± 0.1257
240
220
200
180
160
140
120

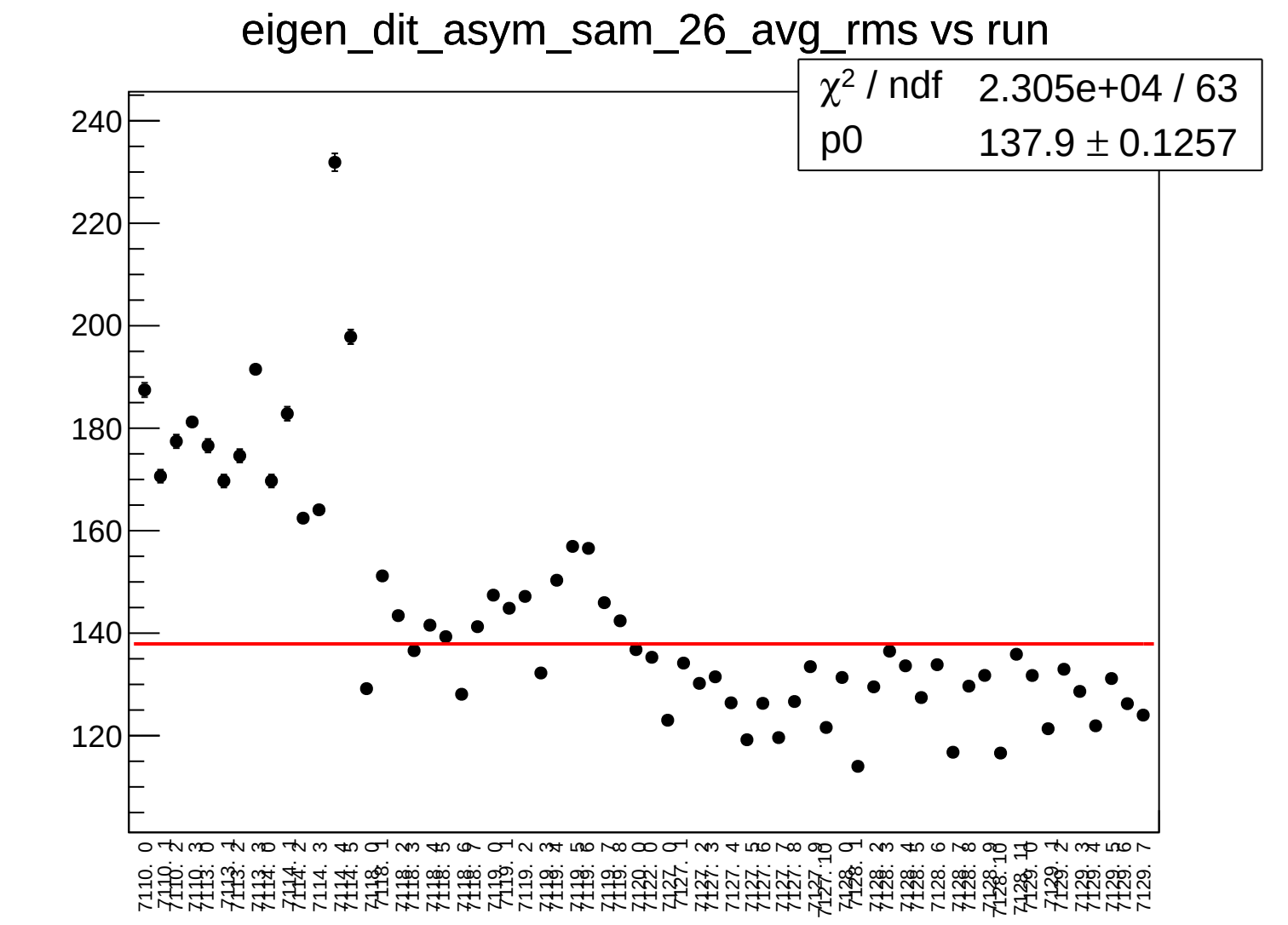

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 60.63 / 63
p0 −905.3 ± 605.8
pull
Entries 64
Mean −227.4
Std Dev 0

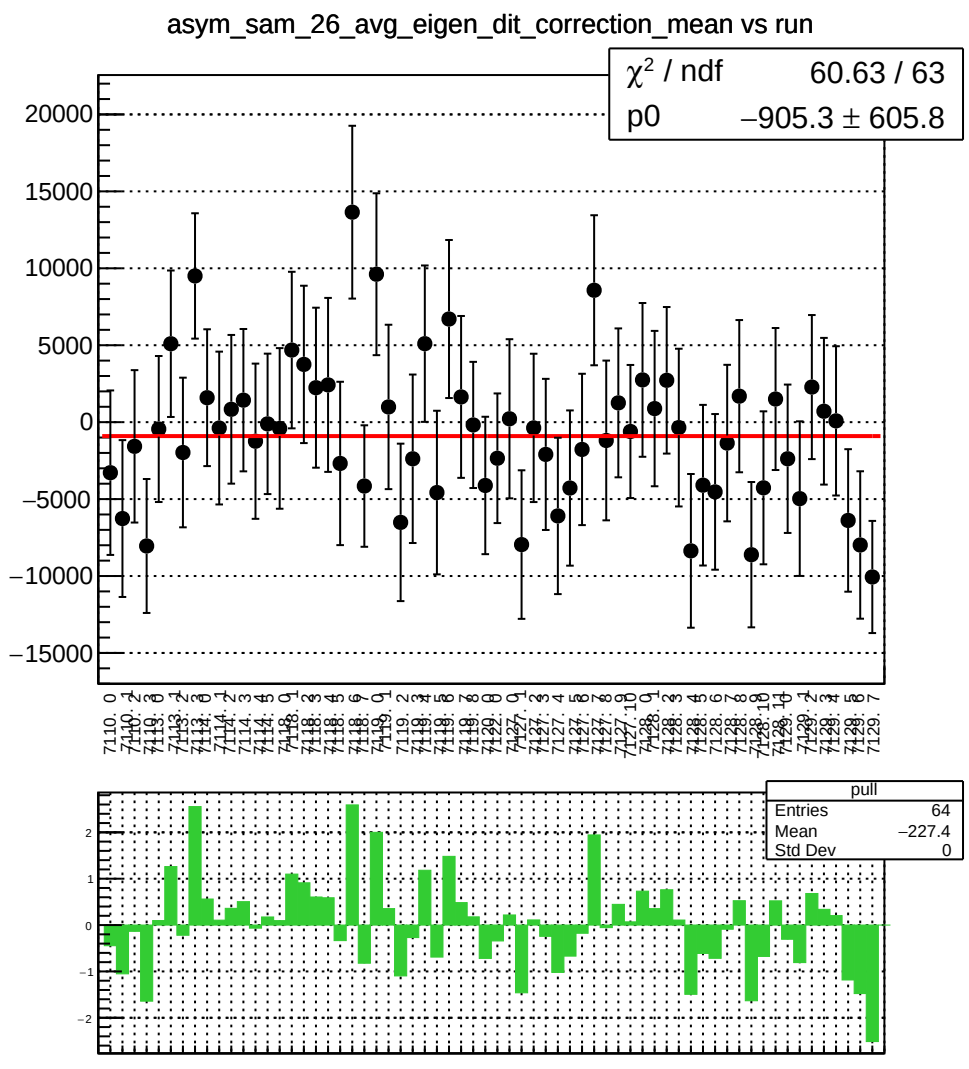

pull1D
Entries 64
Mean 0.01929
Std Dev 0.9731

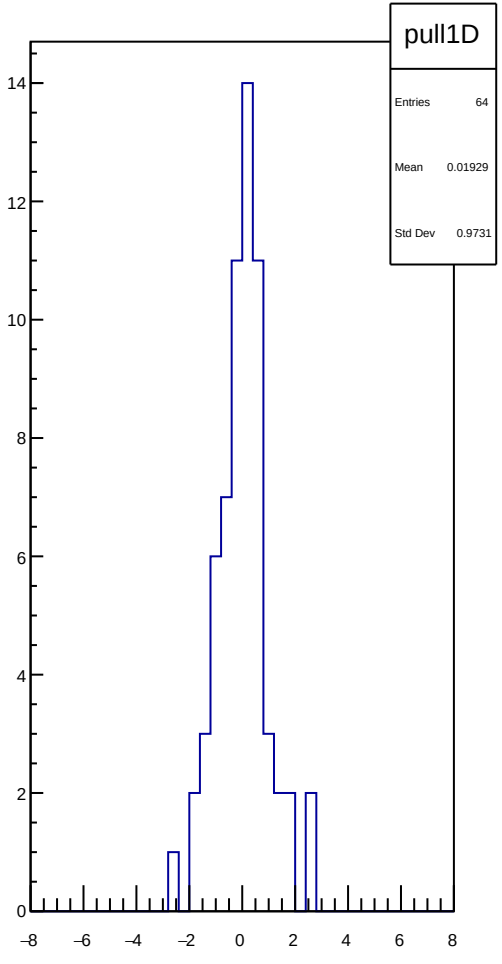

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 2936 / 63
p0 473.8 ± 0.4283
540
520
500
480
460
440
420

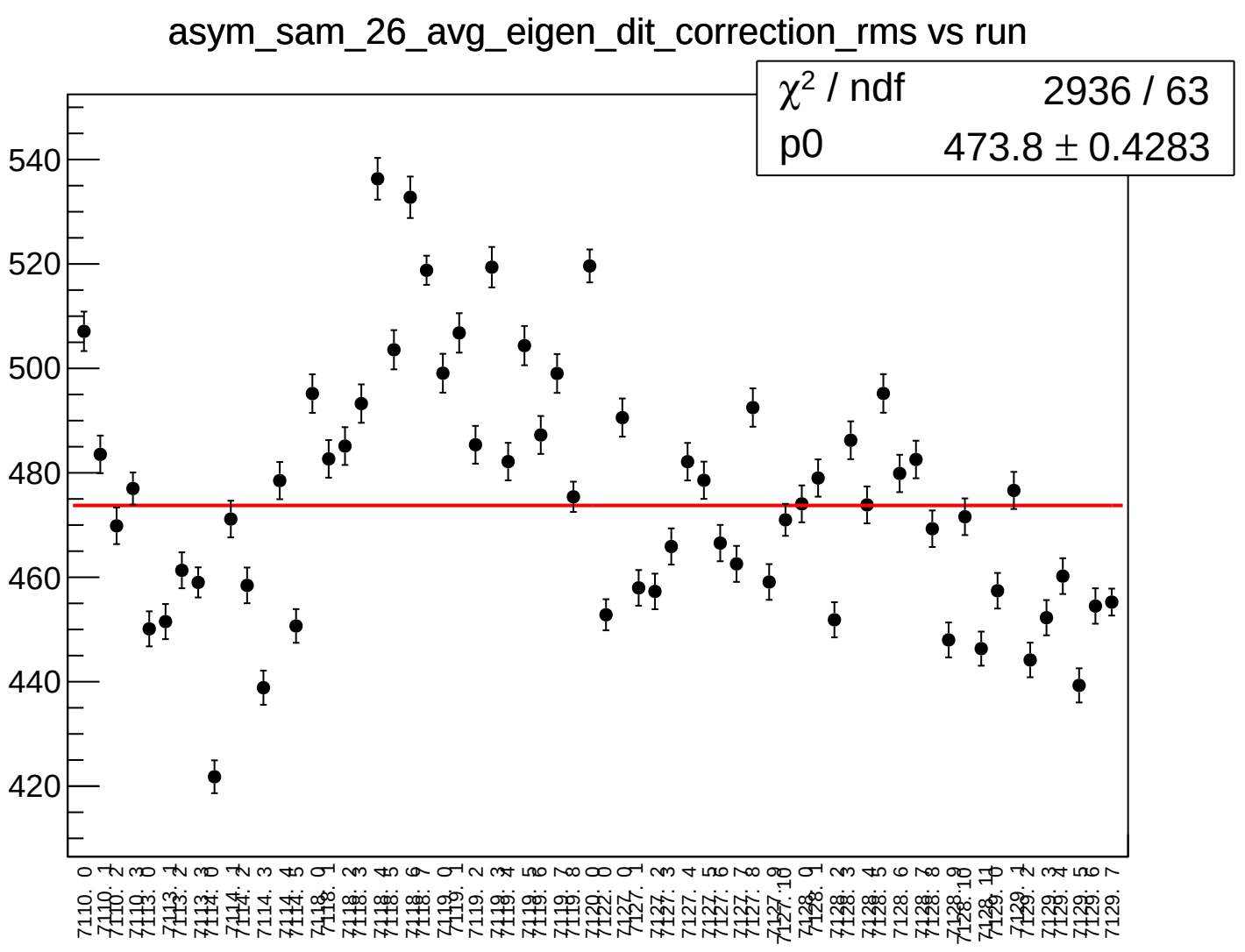

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 54.31 / 63
p0 −106.6 ± 177.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean −159
Std Dev 0
2
1
0
−1
−2

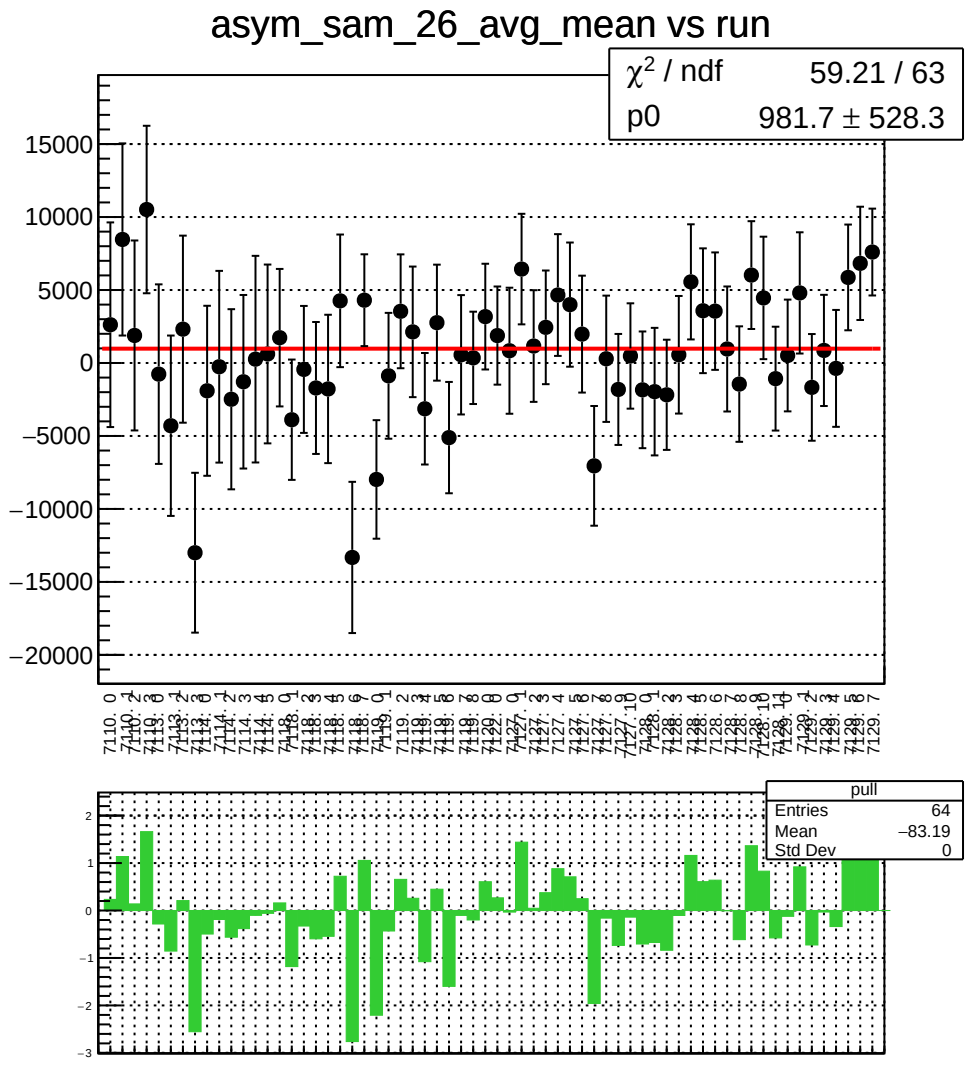

pull1D
Entries 64
Mean 0.02233
Std Dev 0.9209
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

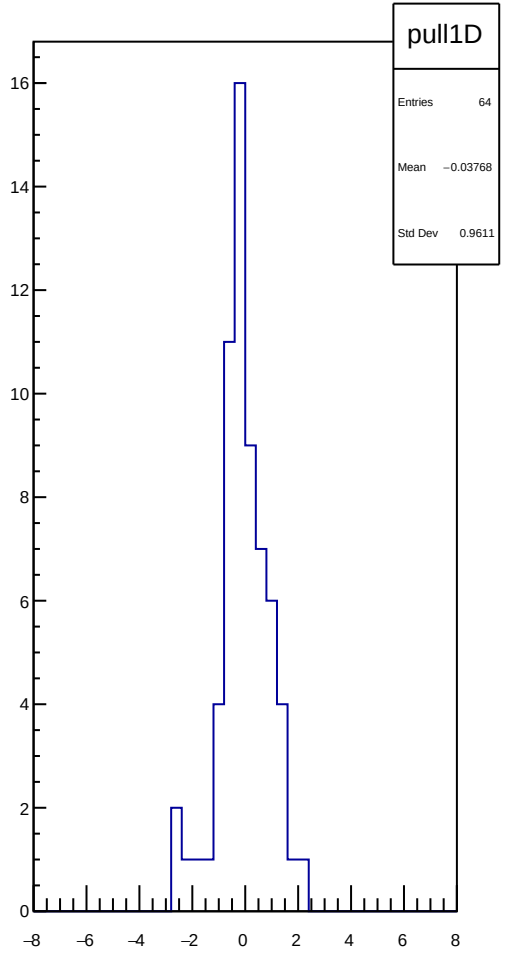

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.305e+04 / 63
p0 137.9 ± 0.1257
240
220
200
180
160
140
120

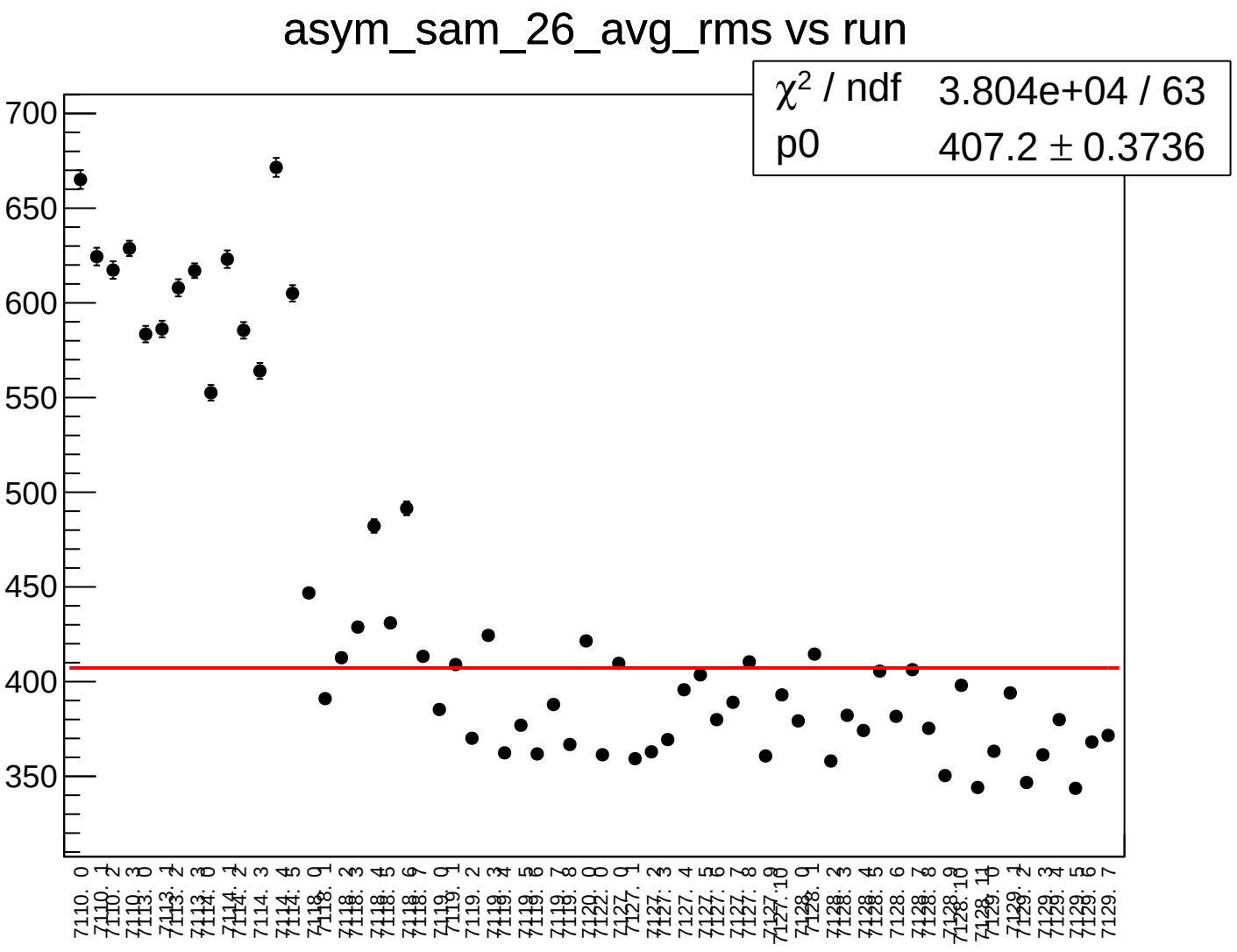

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 60.63 / 63
p0 −905.3 ± 605.8
pull
Entries 64
Mean −227.4
Std Dev 0

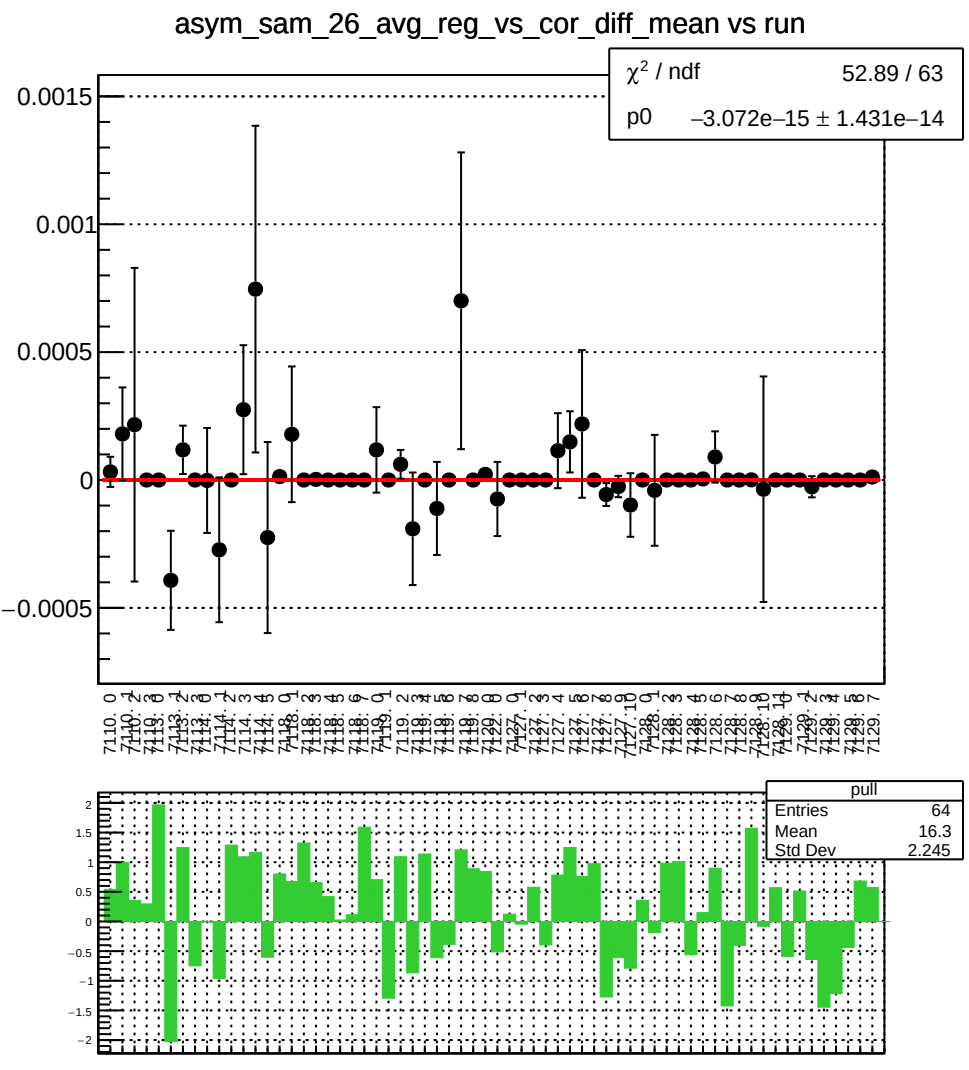

pull1D
Entries 64
Mean 0.01929
Std Dev 0.9731

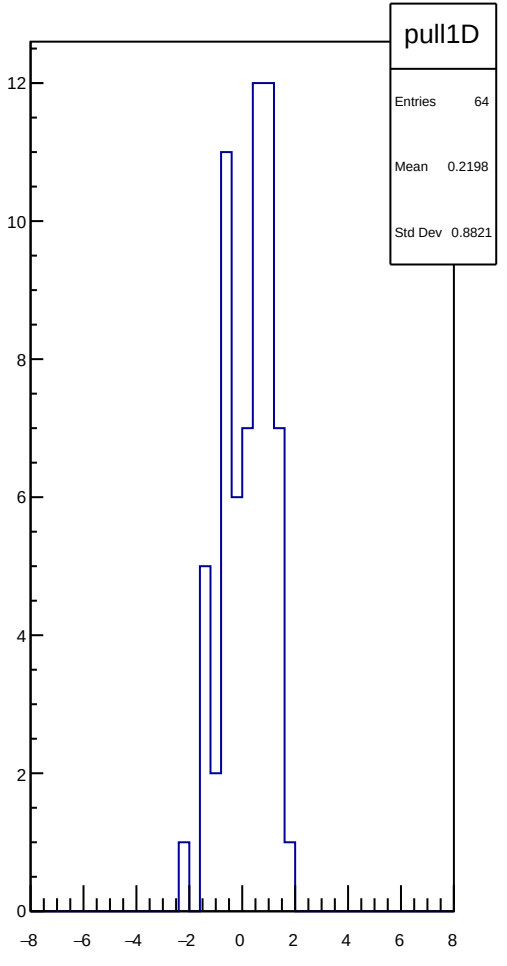

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 2936 / 63
p0 473.8 ± 0.4283
540
520
500
480
460
440
420

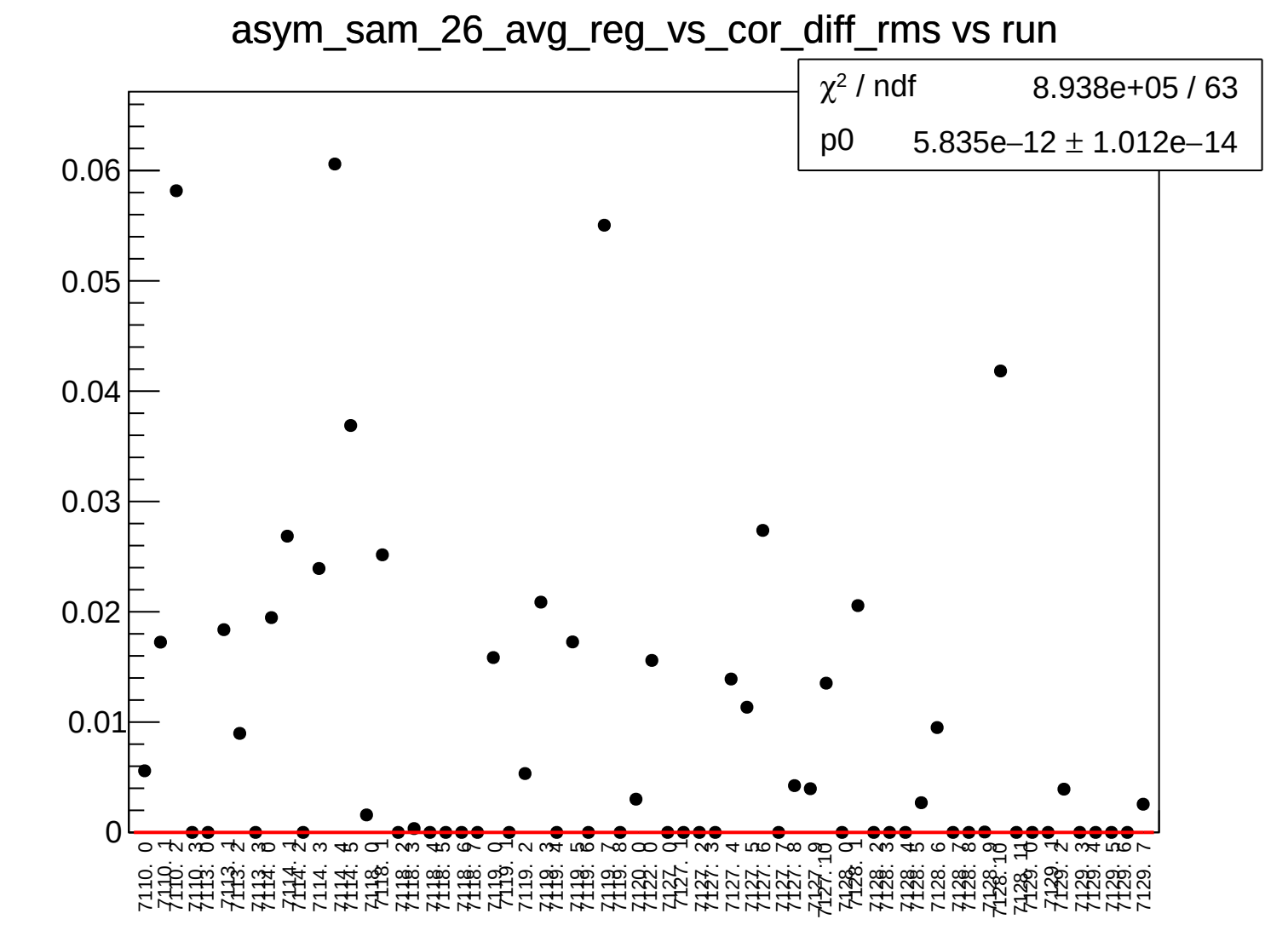

asym_sam_26_avg_mean vs run
χ² / ndf 59.21 / 63
p0 981.7 ± 528.3
pull
Entries 64
Mean −83.19
Std Dev 0

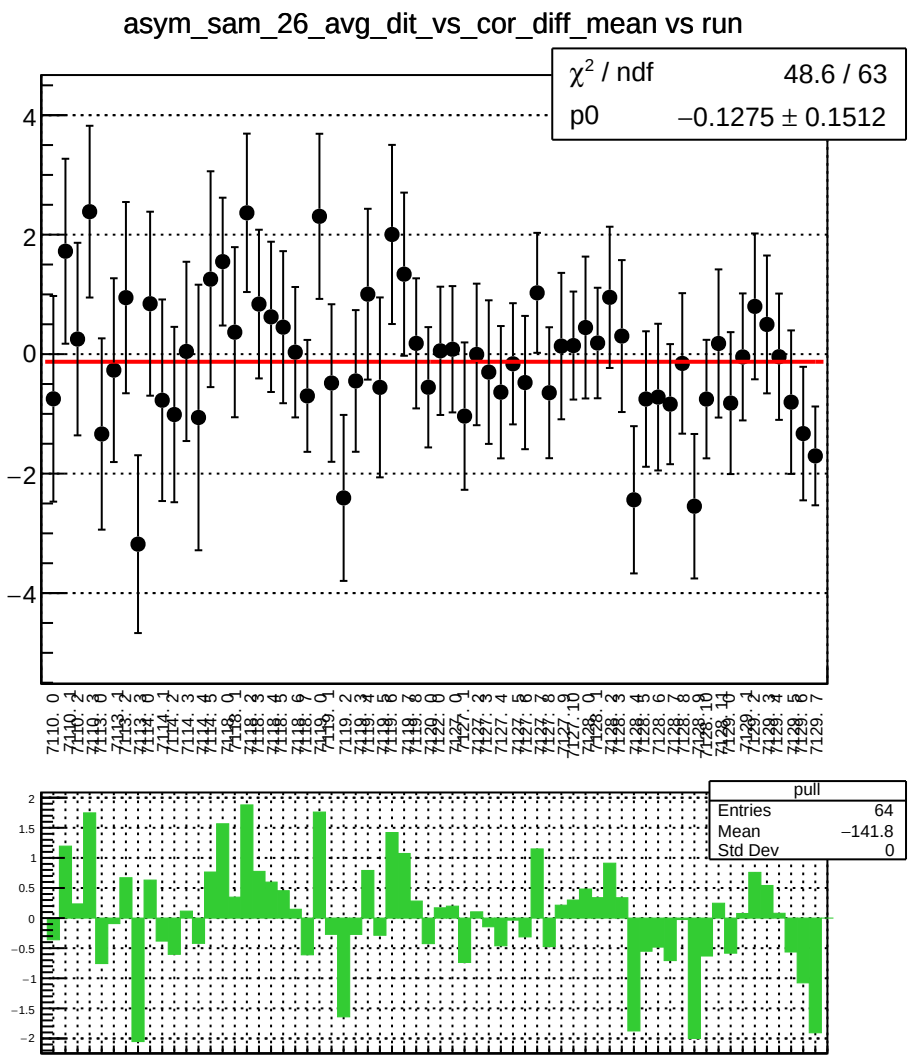

pull1D
Entries 64
Mean −0.03768
Std Dev 0.9611

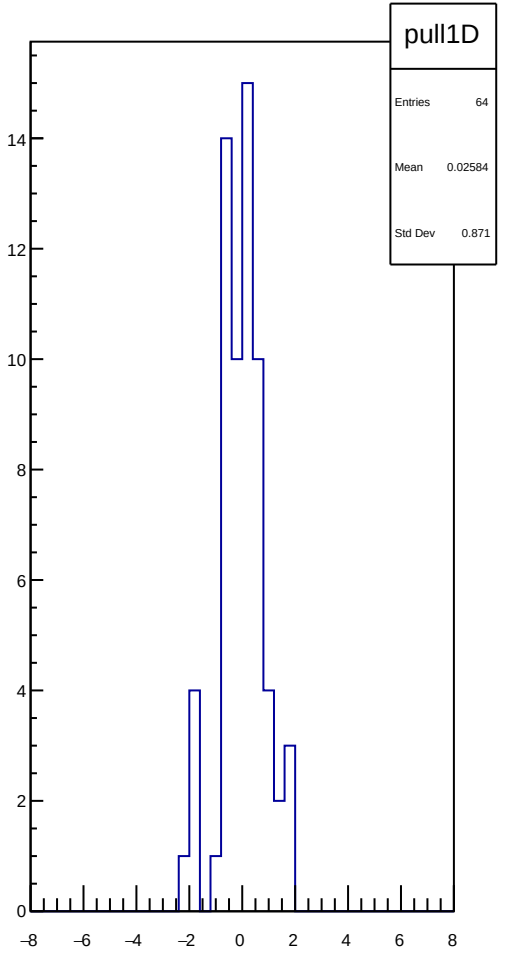

asym_sam_26_avg_rms vs run
χ² / ndf 3.804e+04 / 63
p0 407.2 ± 0.3736
700
650
600
550
500
450
400
350

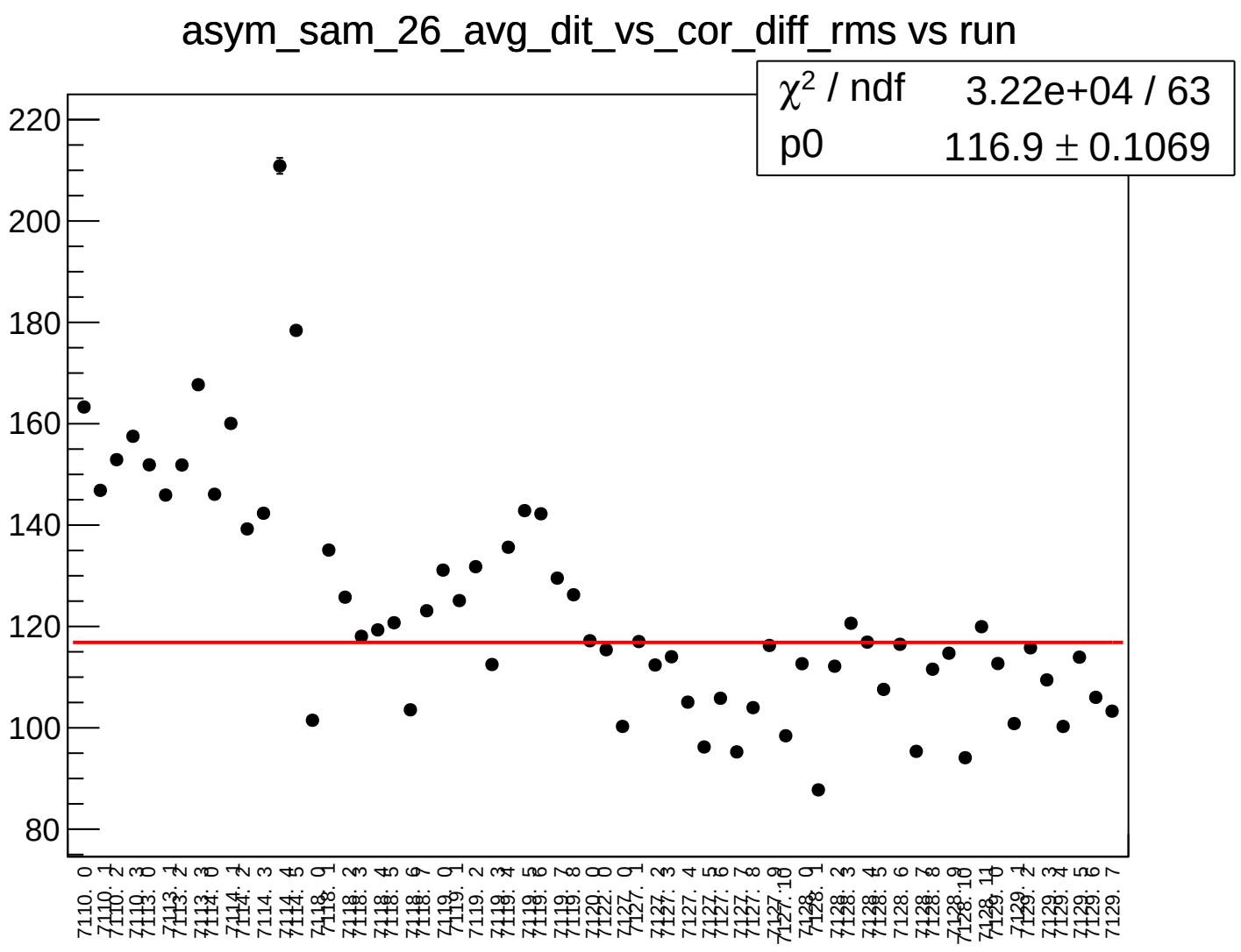

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.89 / 63
p0 −3.072e−15 ± 1.431e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 64
Mean 16.3
Std Dev 2.245
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

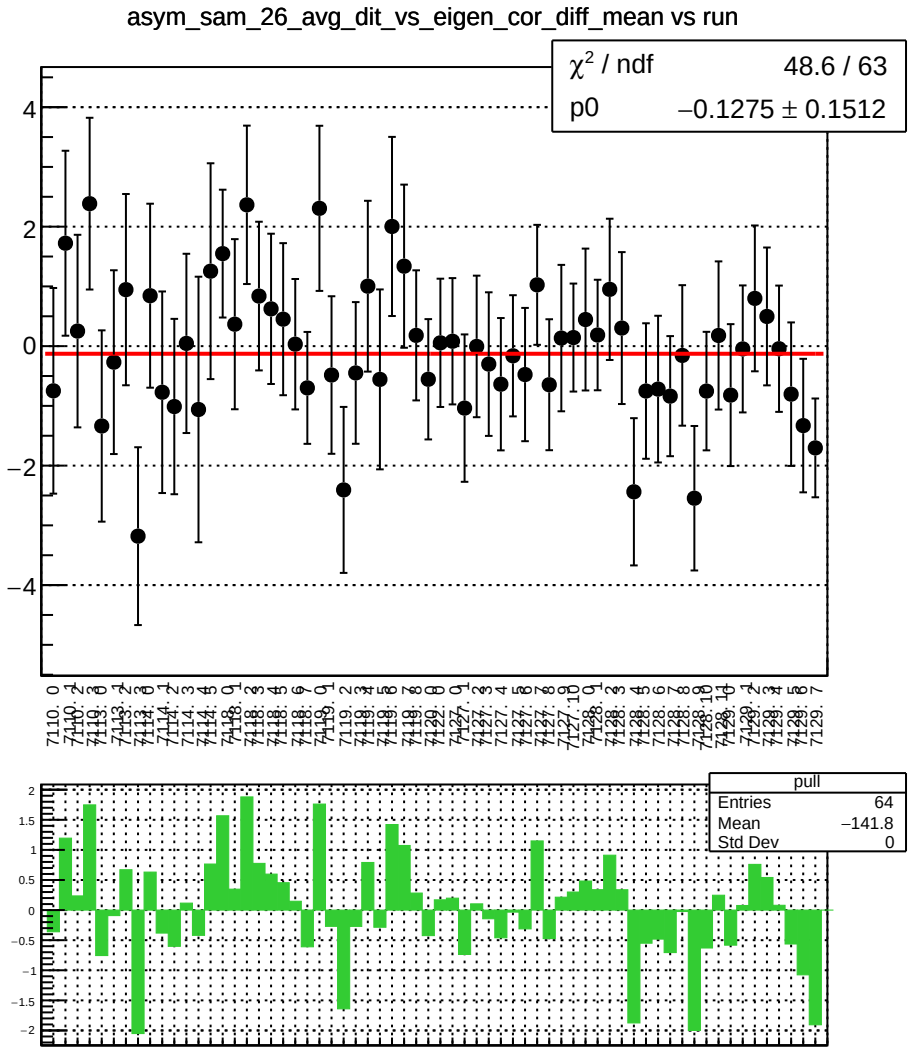

pull1D
Entries 64
Mean 0.2198
Std Dev 0.8821
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

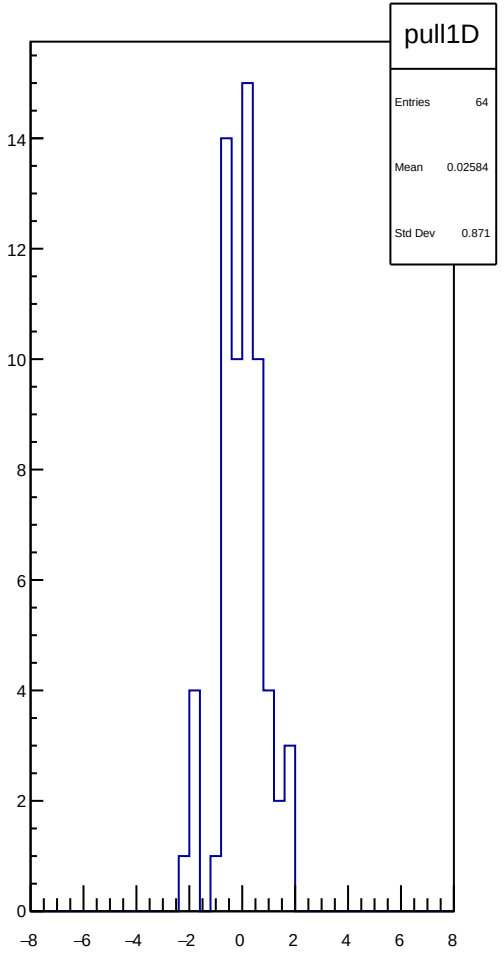

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.938e+05 / 63
p0 5.835e−12 ± 1.012e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

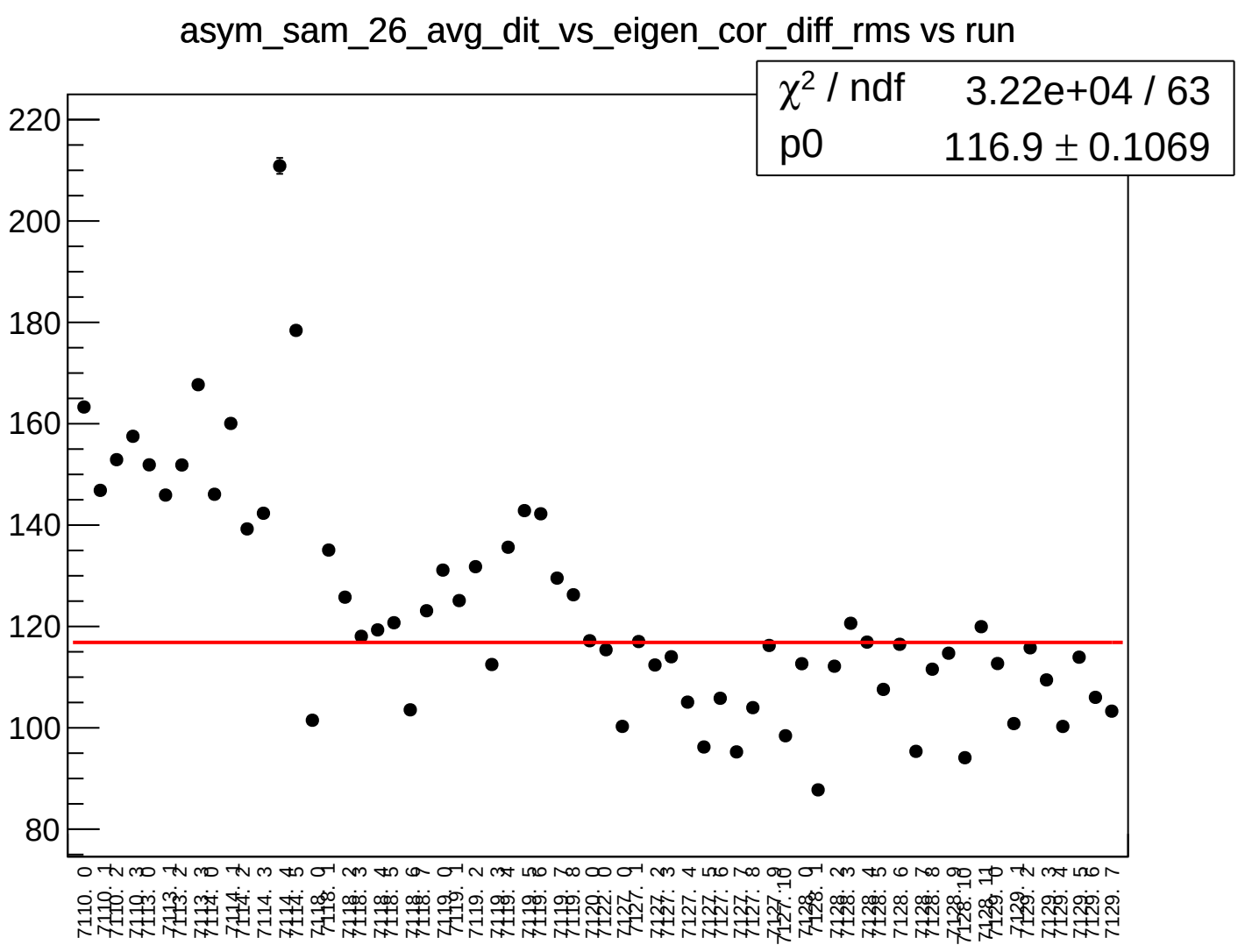

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.6 / 63
p0 −0.1275 ± 0.1512
pull
Entries 64
Mean −141.8
Std Dev 0

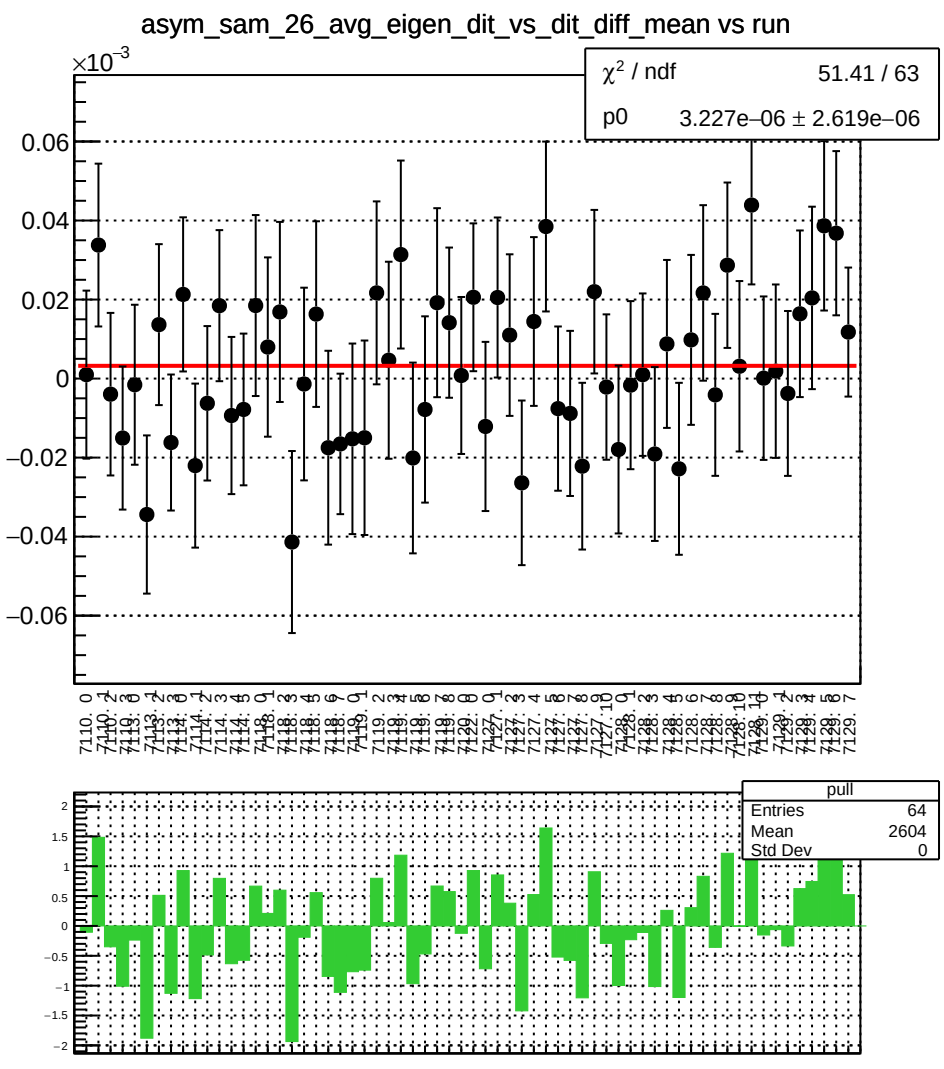

pull1D
Entries 64
Mean 0.02584
Std Dev 0.871

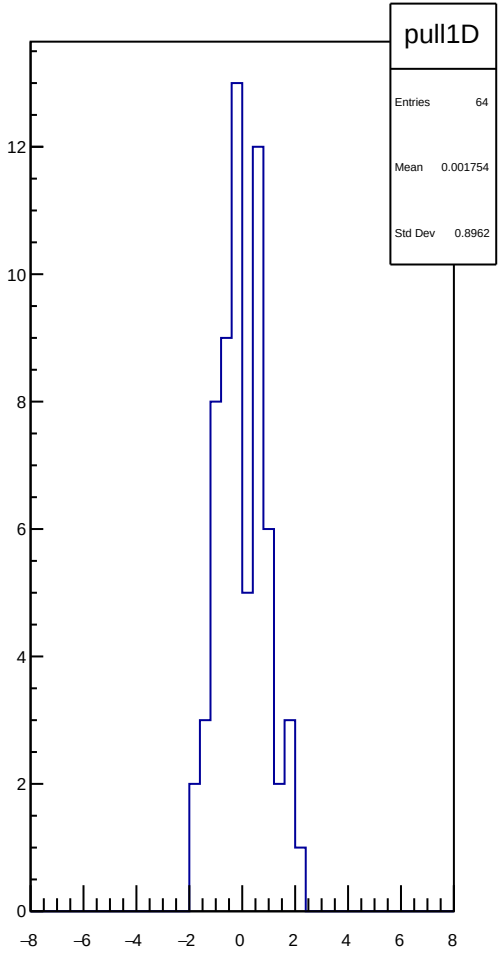

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.22e+04 / 63
p0 116.9 ± 0.1069
220
200
180
160
140
120
100
80

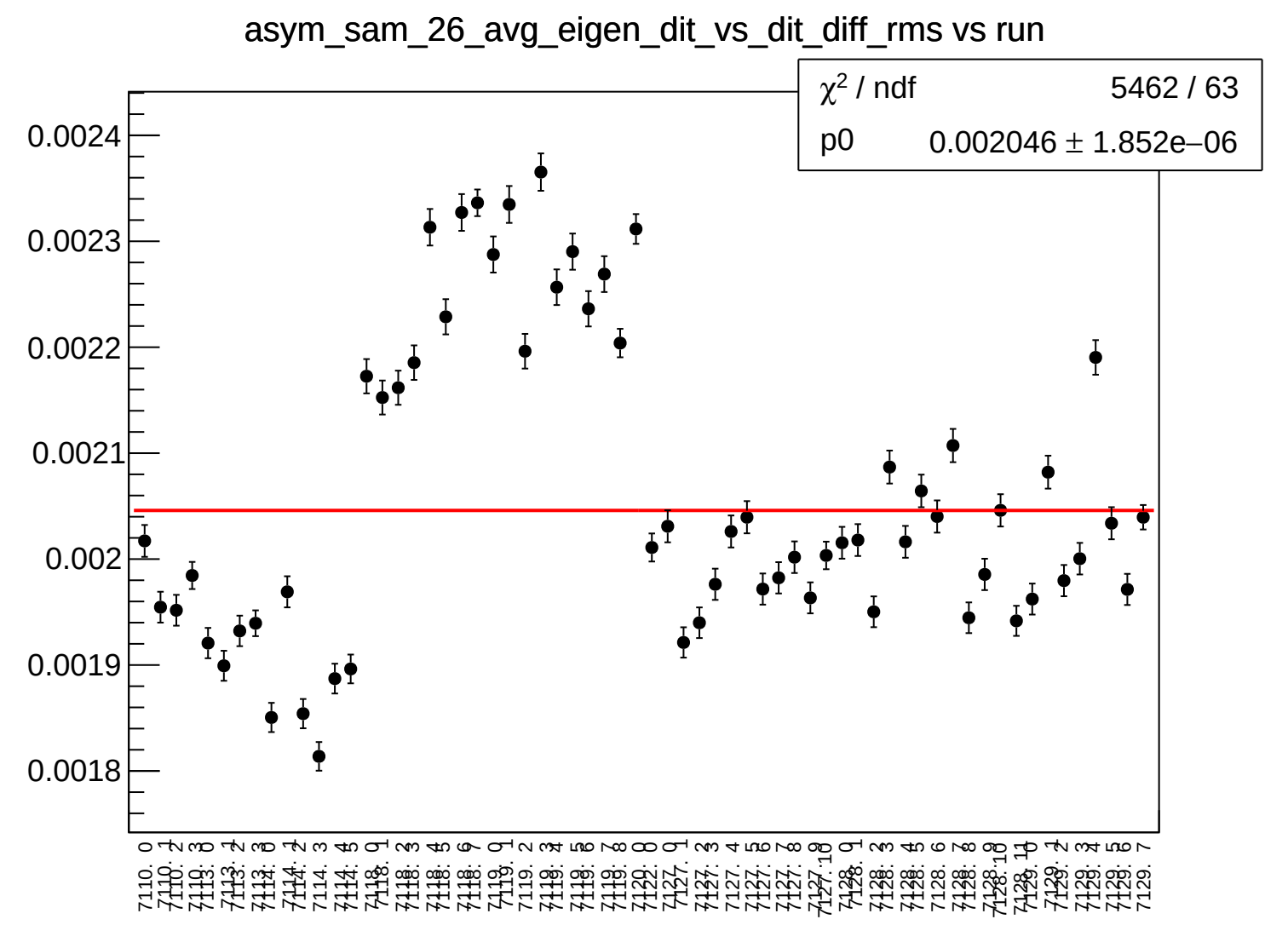

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.6 / 63
p0 −0.1275 ± 0.1512
pull
Entries 64
Mean −141.8
Std Dev 0

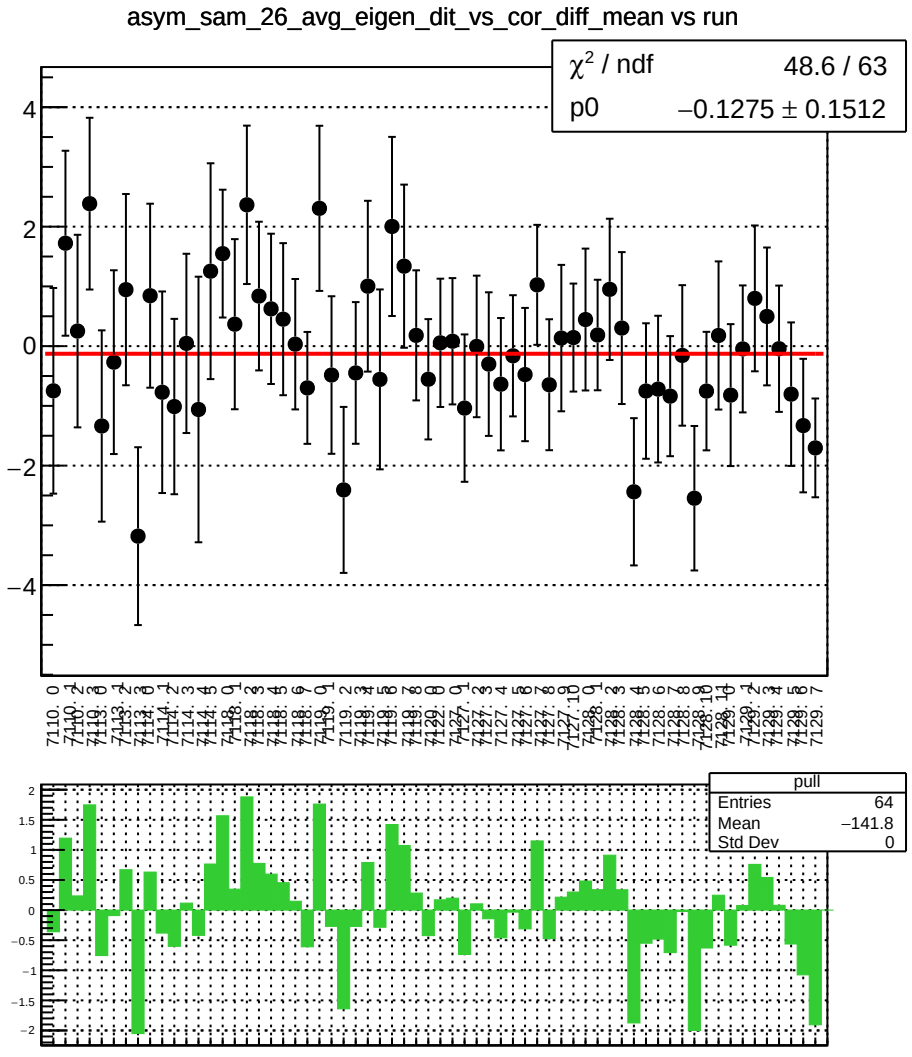

pull1D
Entries 64
Mean 0.02584
Std Dev 0.871

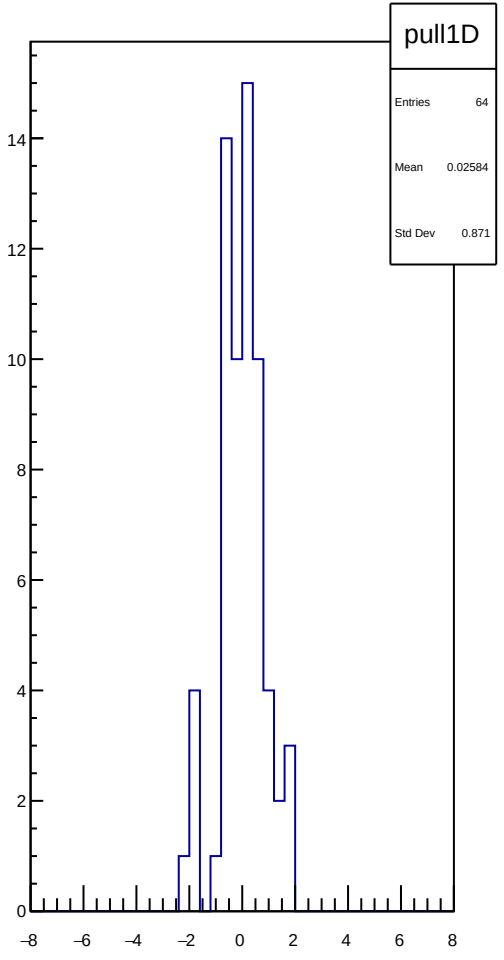

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.22e+04 / 63
p0 116.9 ± 0.1069
220
200
180
160
140
120
100
80

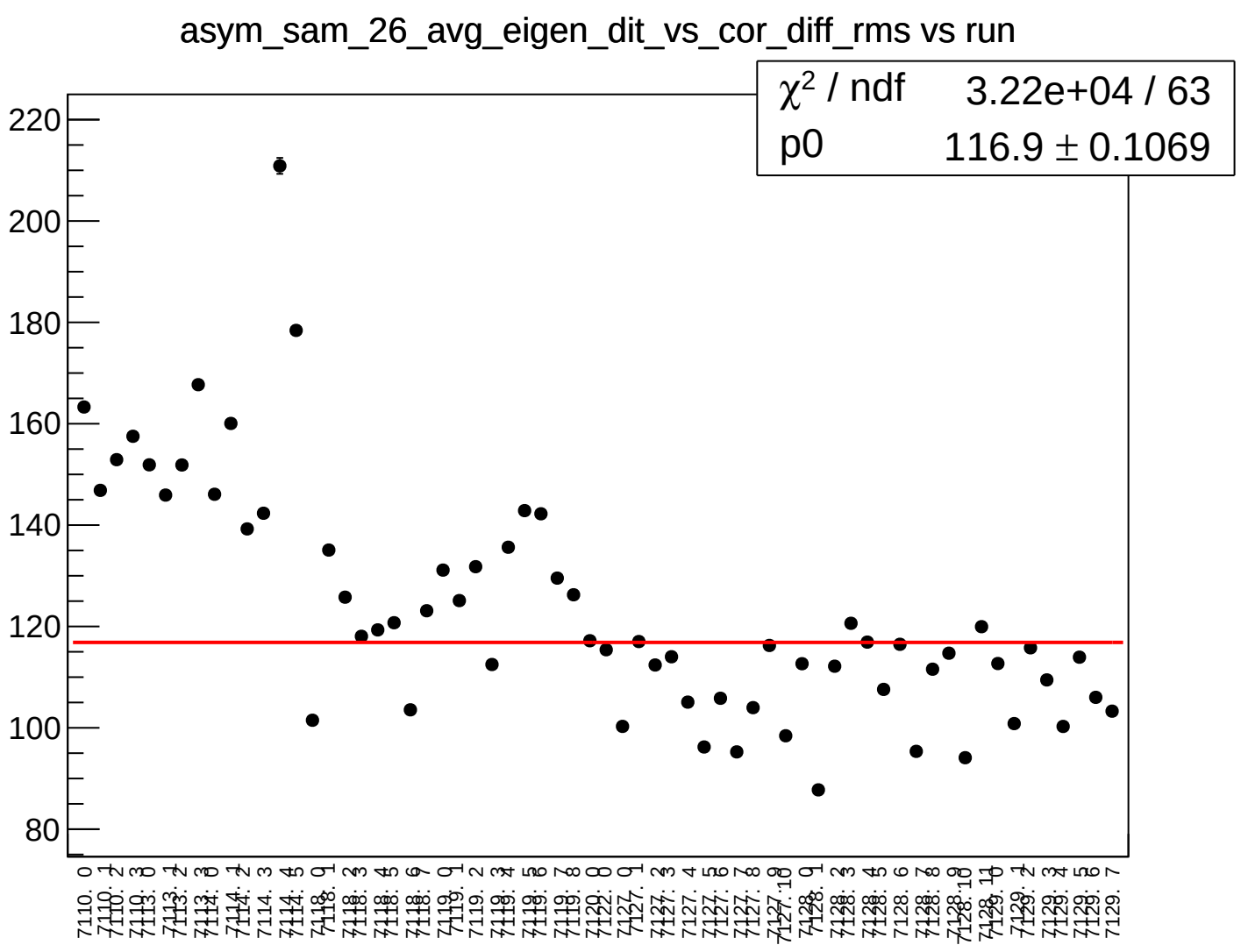

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.41 / 63
p0 3.227e−06 ± 2.619e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 2604
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

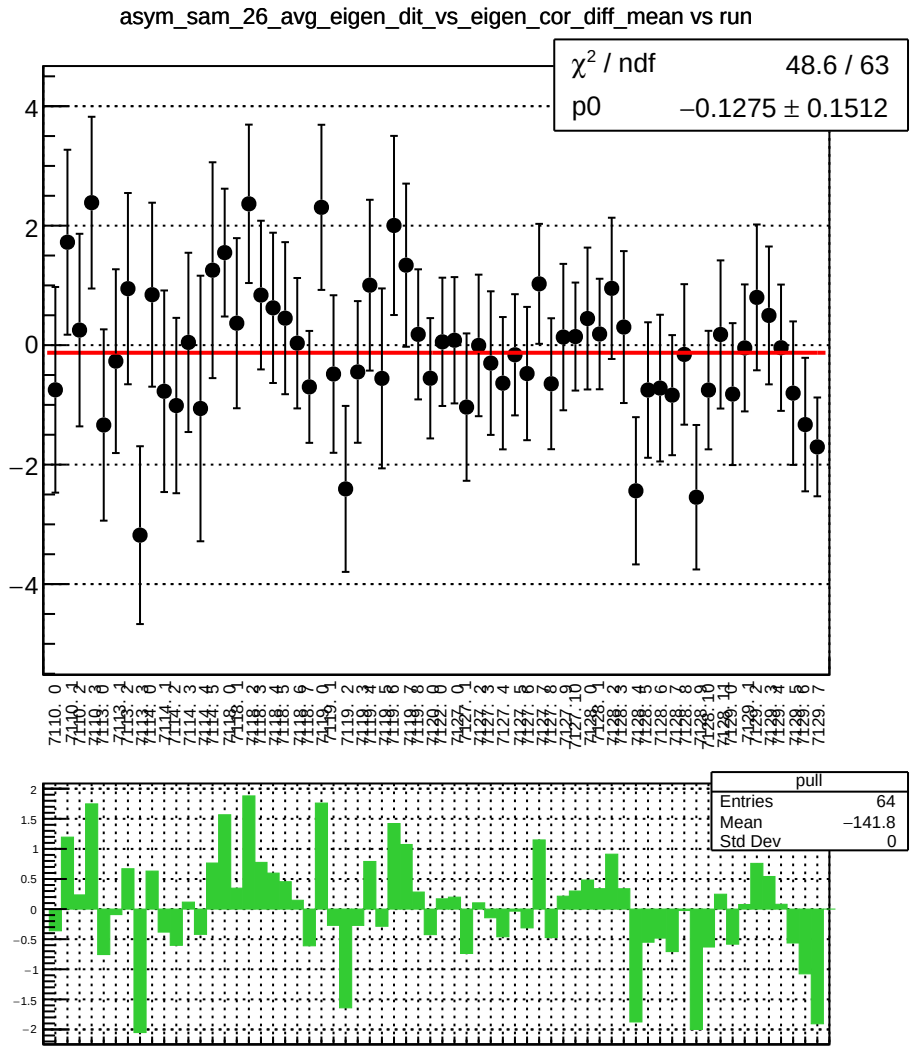

pull1D
Entries 64
Mean 0.001754
Std Dev 0.8962
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

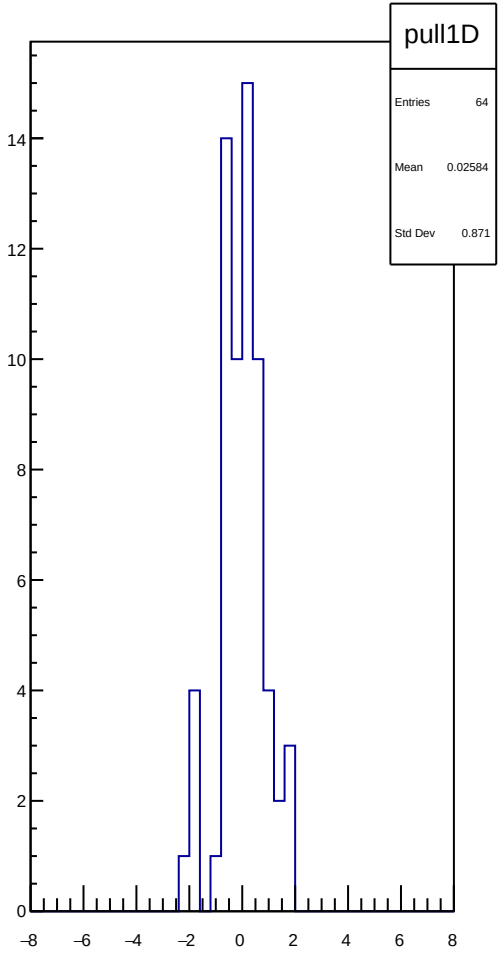

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5462 / 63
p0 0.002046 ± 1.852e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

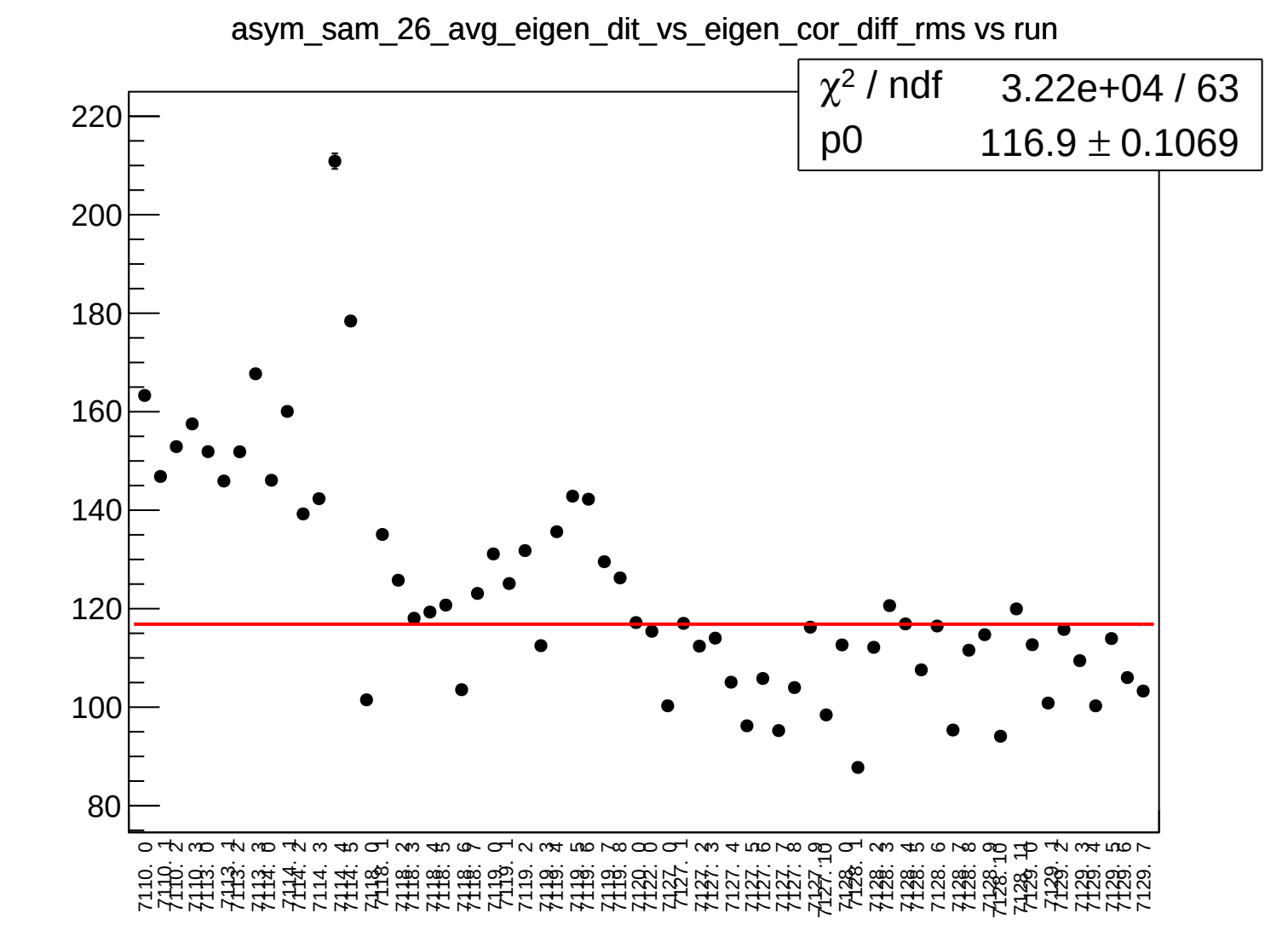

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.6 / 63
p0 −0.1275 ± 0.1512
pull
Entries 64
Mean −141.8
Std Dev 0

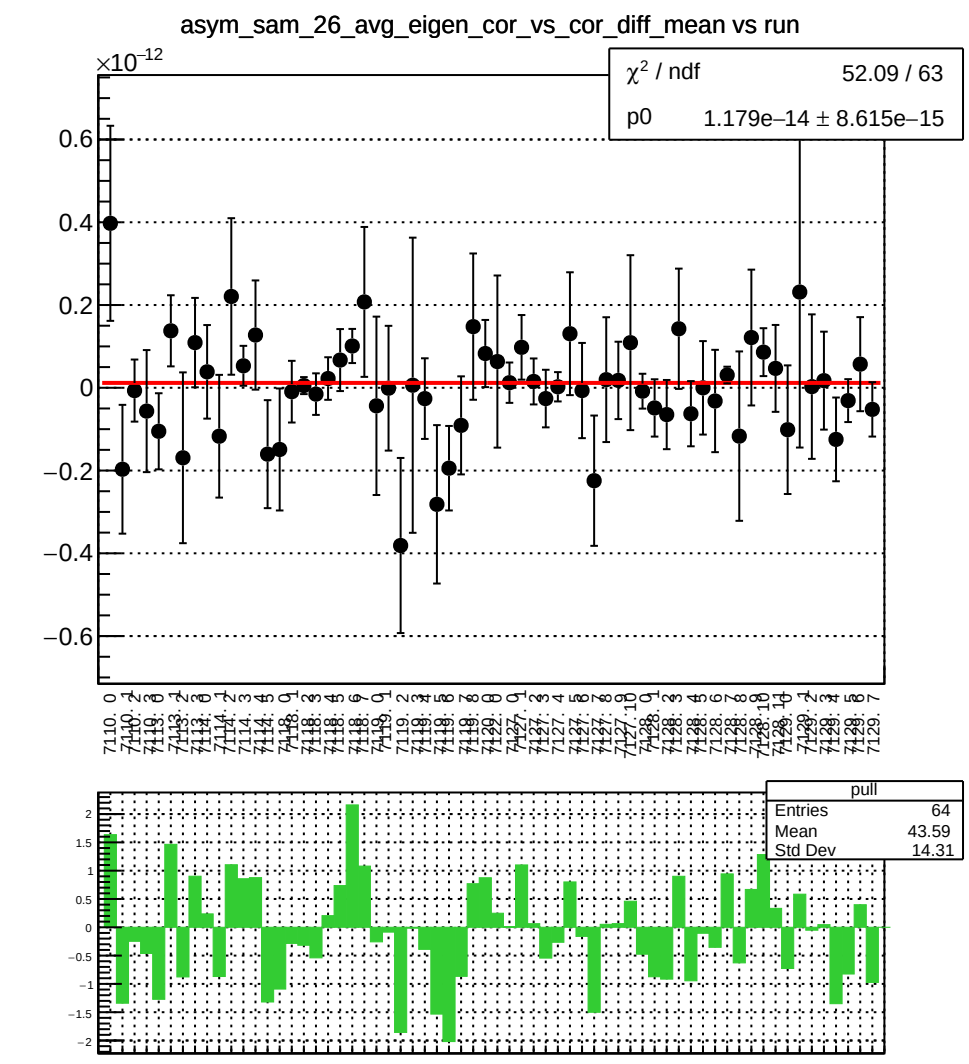

pull1D
Entries 64
Mean 0.02584
Std Dev 0.871

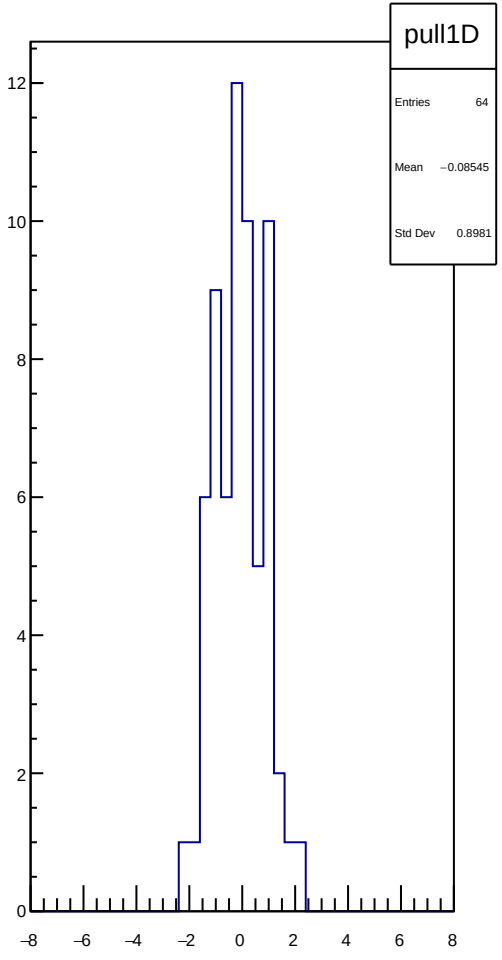

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.22e+04 / 63
p0 116.9 ± 0.1069
220
200
180
160
140
120
100
80

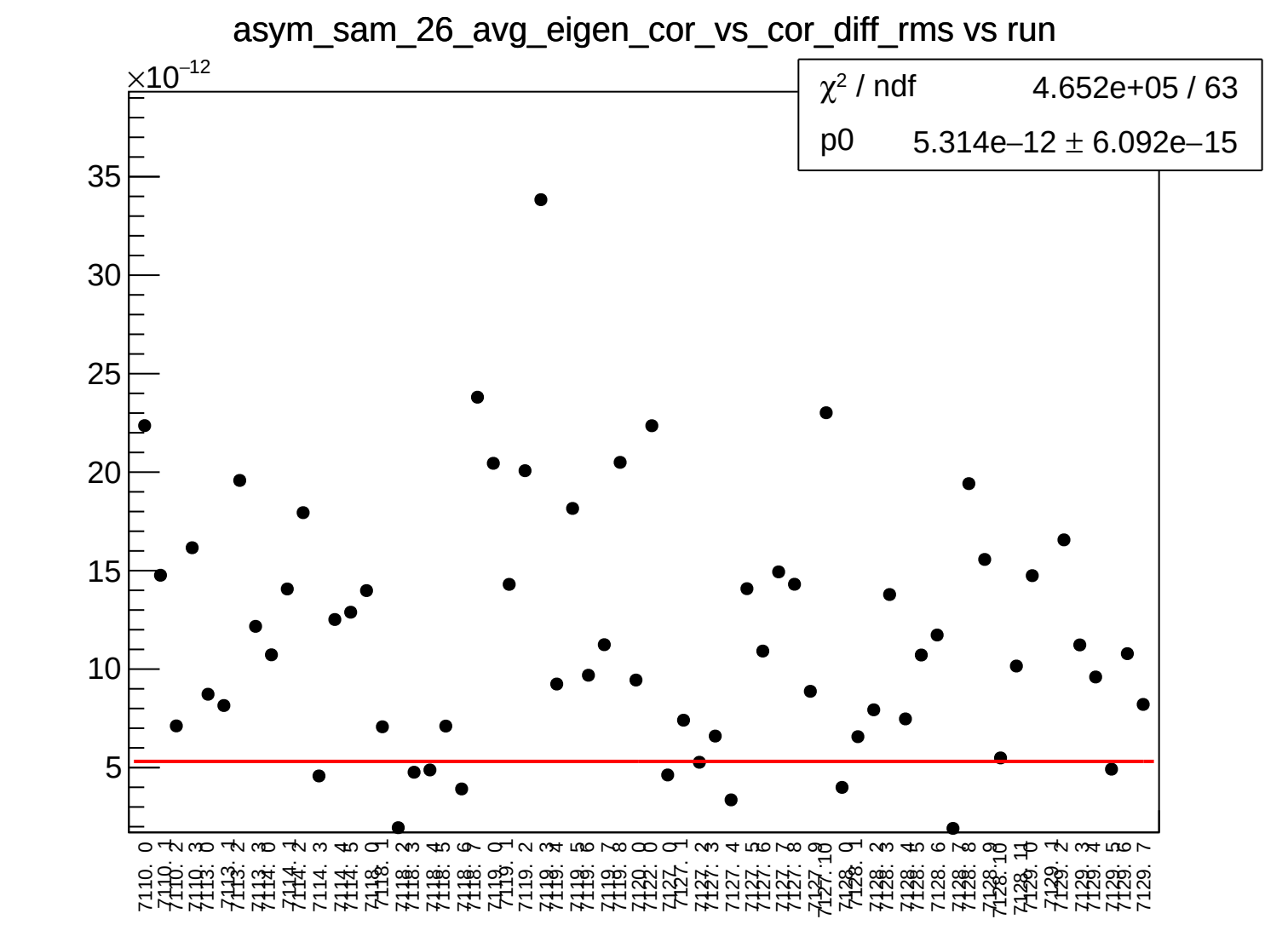

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.6 / 63
p0 −0.1275 ± 0.1512
pull
Entries 64
Mean −141.8
Std Dev 0

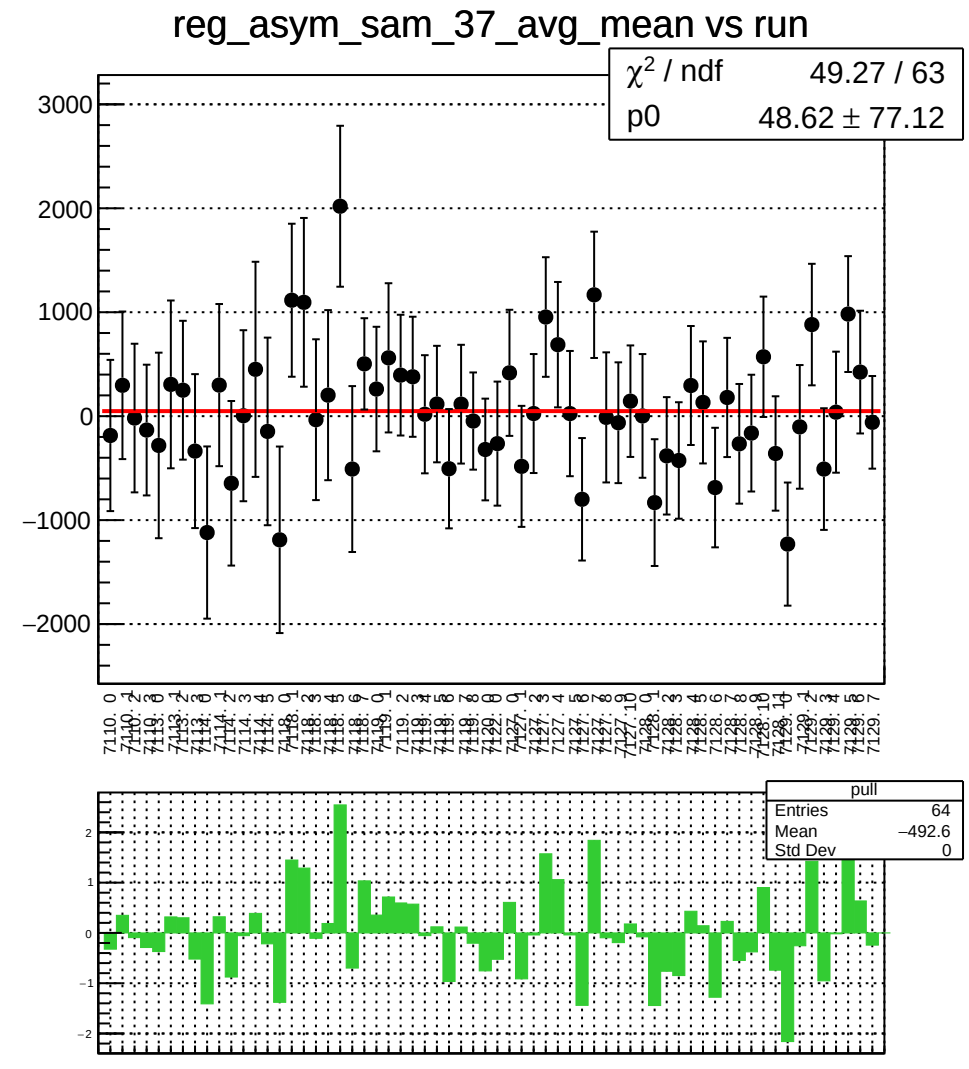

pull1D
Entries 64
Mean 0.02584
Std Dev 0.871

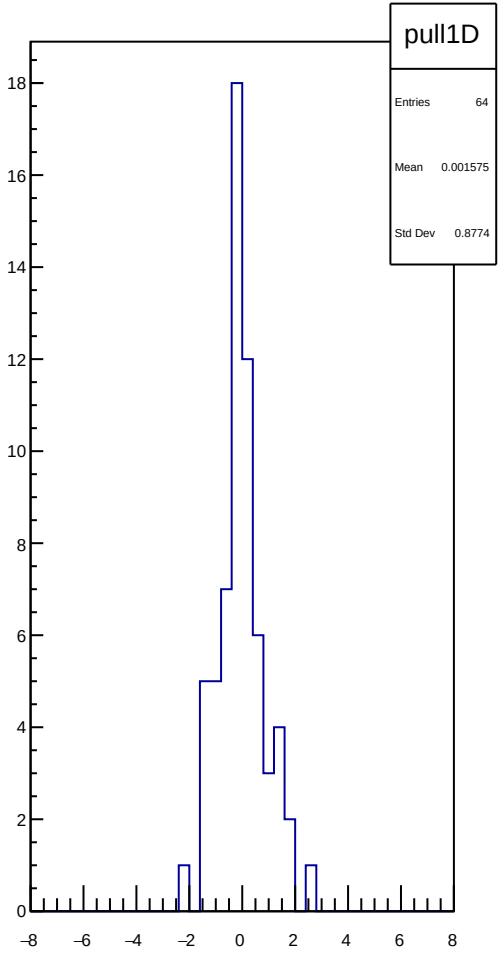

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.22e+04 / 63
p0 116.9 ± 0.1069
220
200
180
160
140
120
100
80

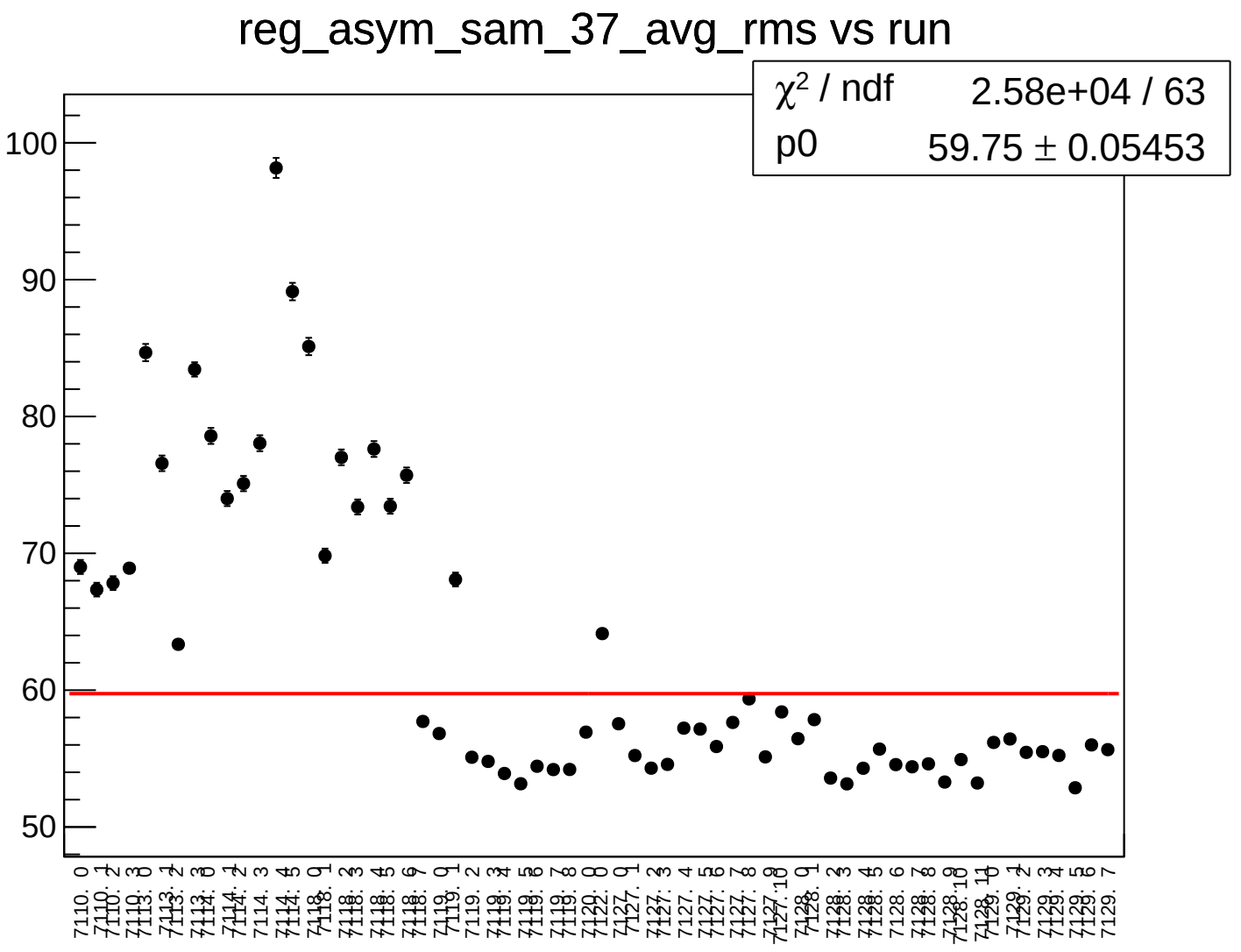

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.09 / 63
p0 1.179e−14 ± 8.615e−15
pull
Entries 64
Mean 43.59
Std Dev 14.31

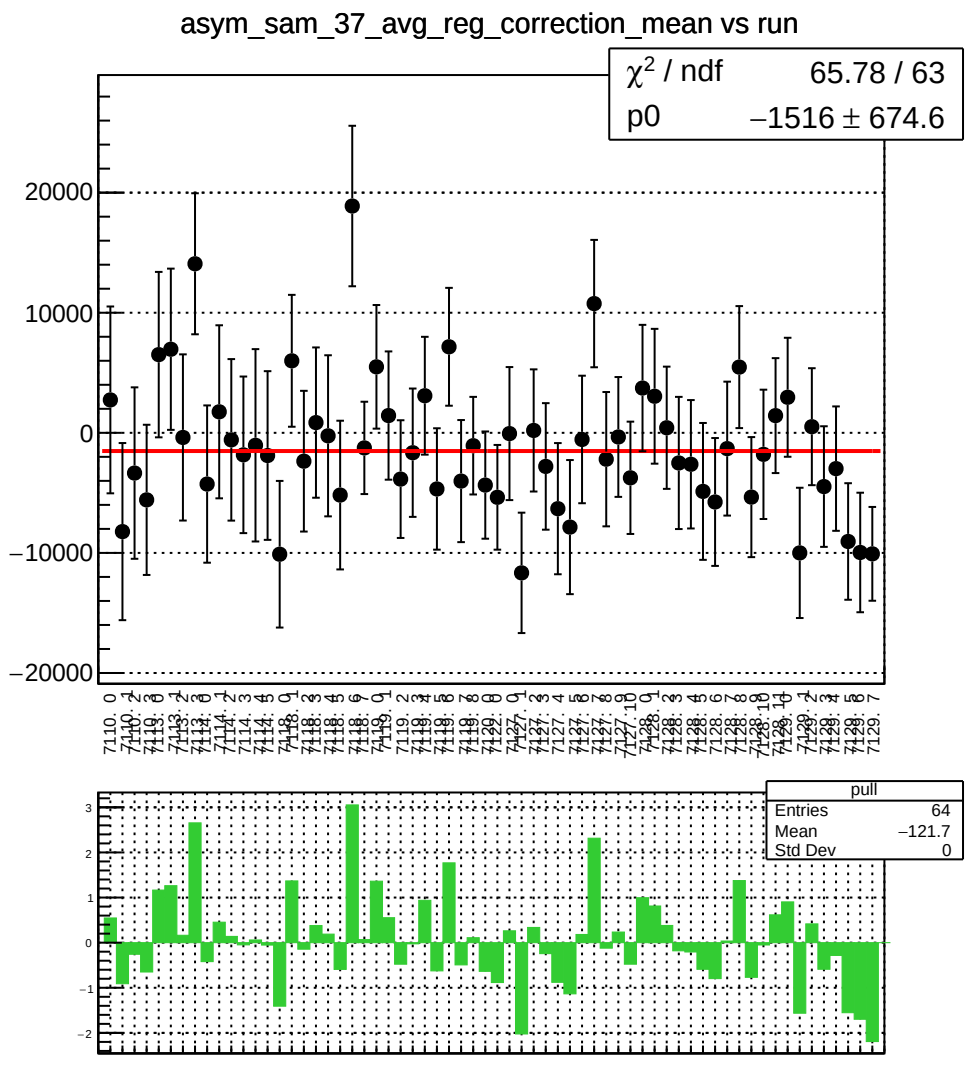

pull1D
Entries 64
Mean −0.08545
Std Dev 0.8981

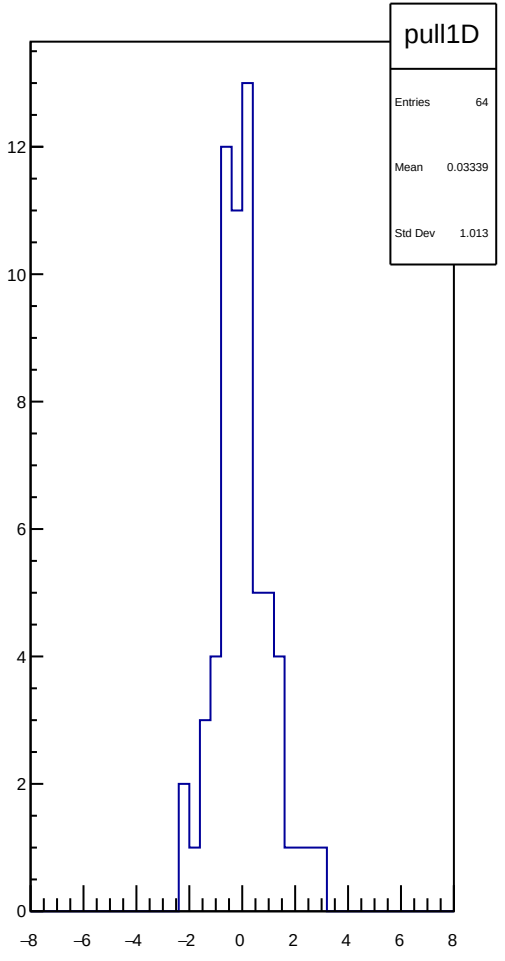

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.652e+05 / 63
p0 5.314e−12 ± 6.092e−15
35
30
25
20
15
10
5

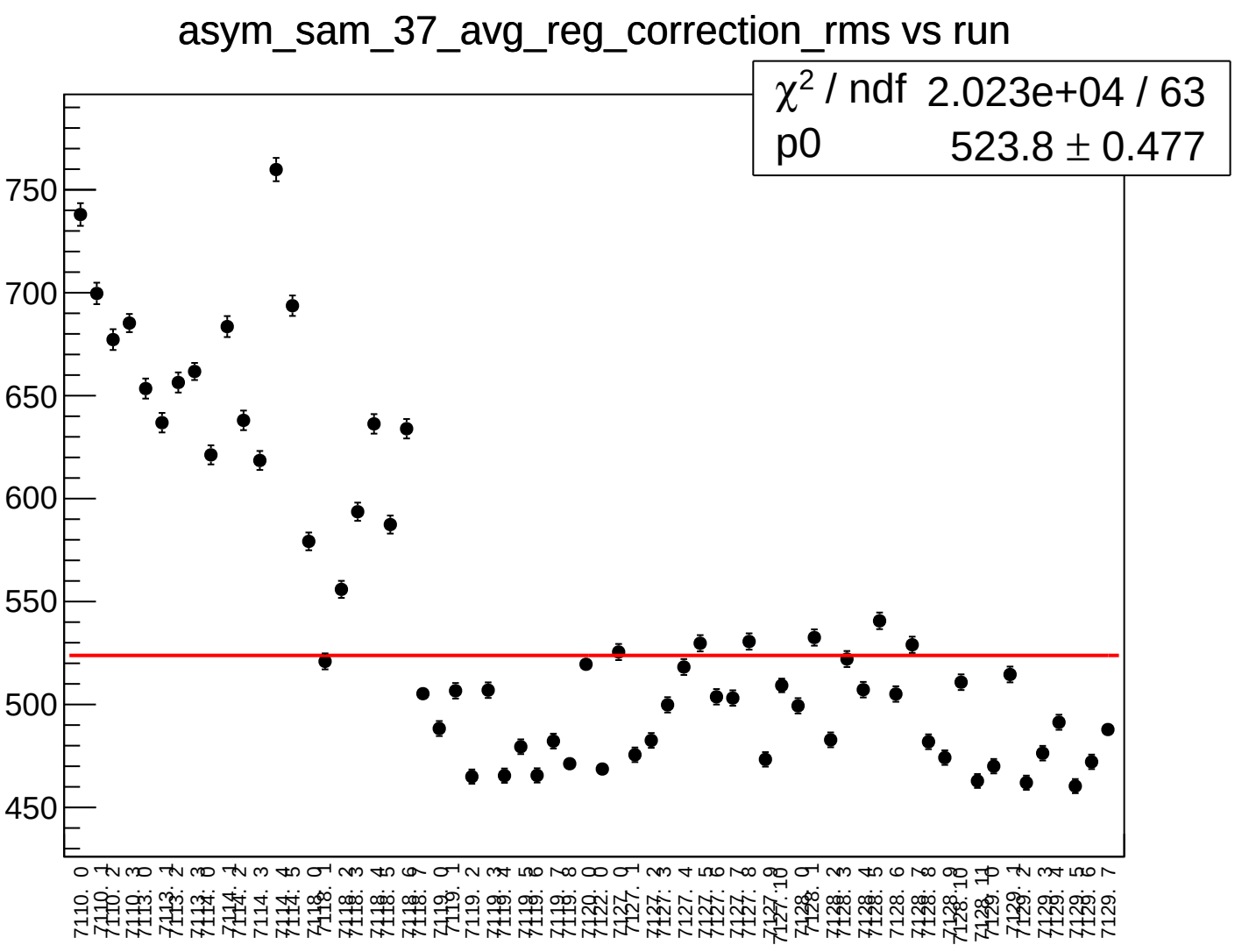

reg_asym_sam_37_avg_mean vs run
χ² / ndf 49.27 / 63
p0 48.62 ± 77.12
pull
Entries 64
Mean −492.6
Std Dev 0

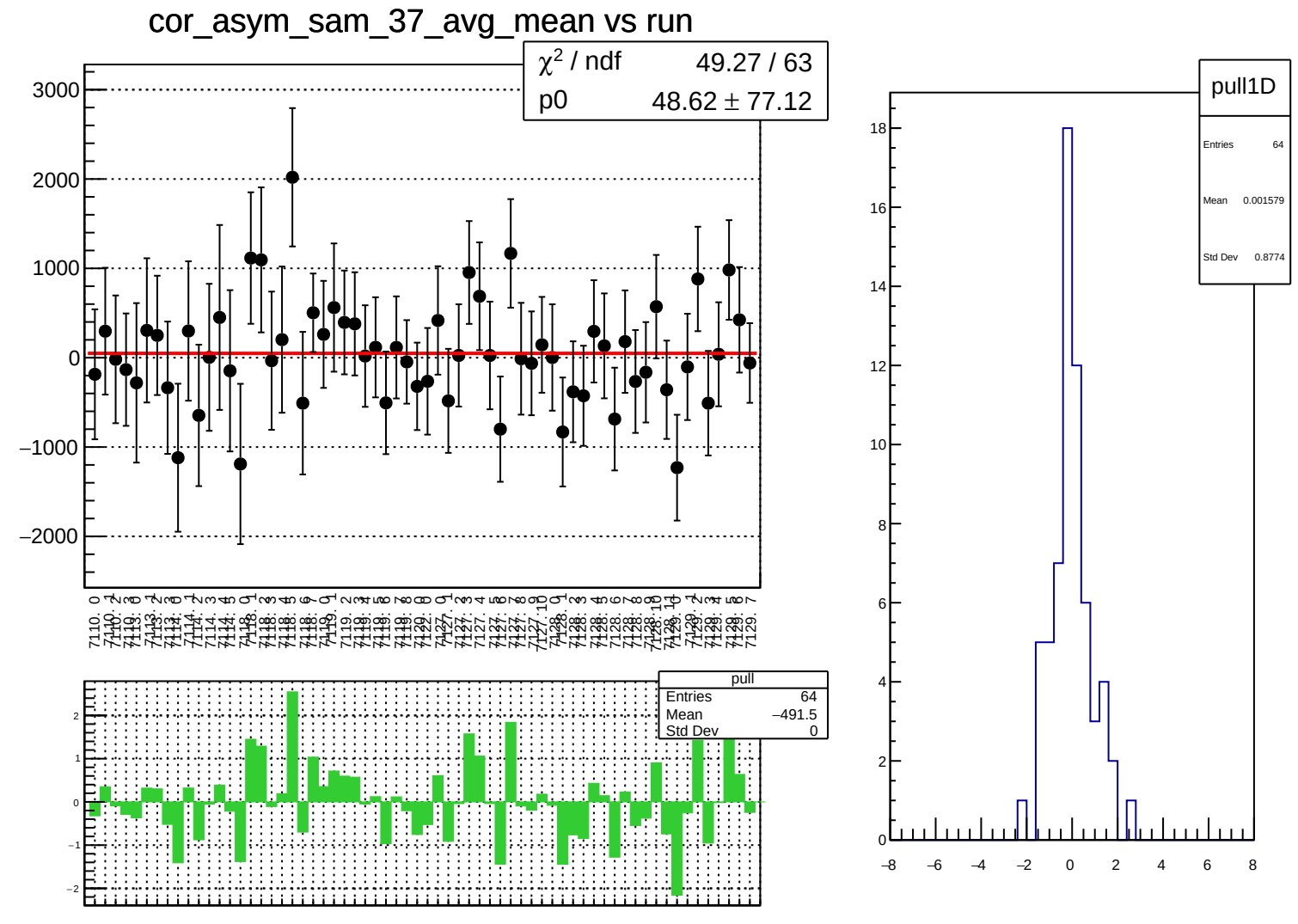

pull1D
Entries 64
Mean 0.001575
Std Dev 0.8774

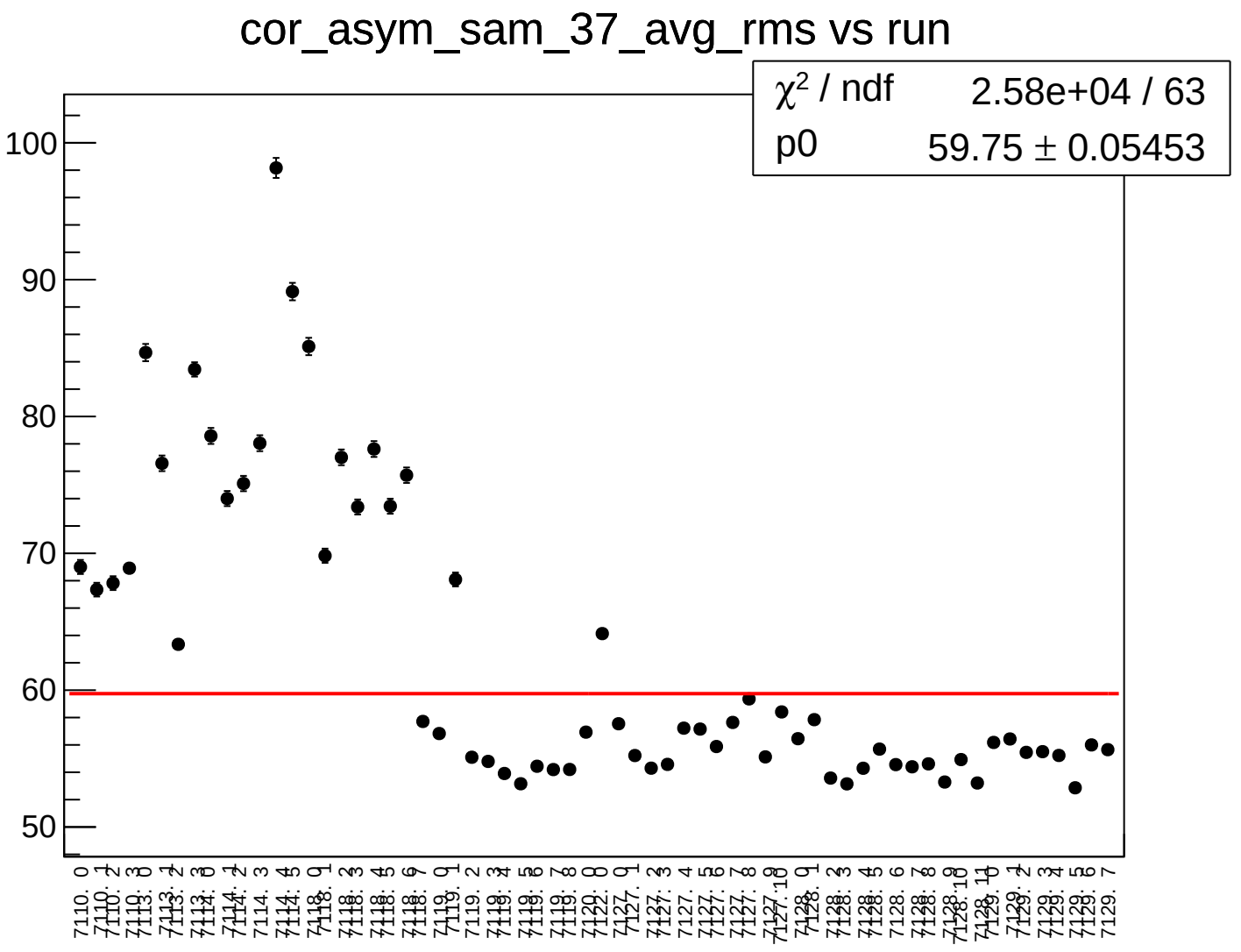

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.58e+04 / 63
p0 59.75 ± 0.05453
100
90
80
70
60
50

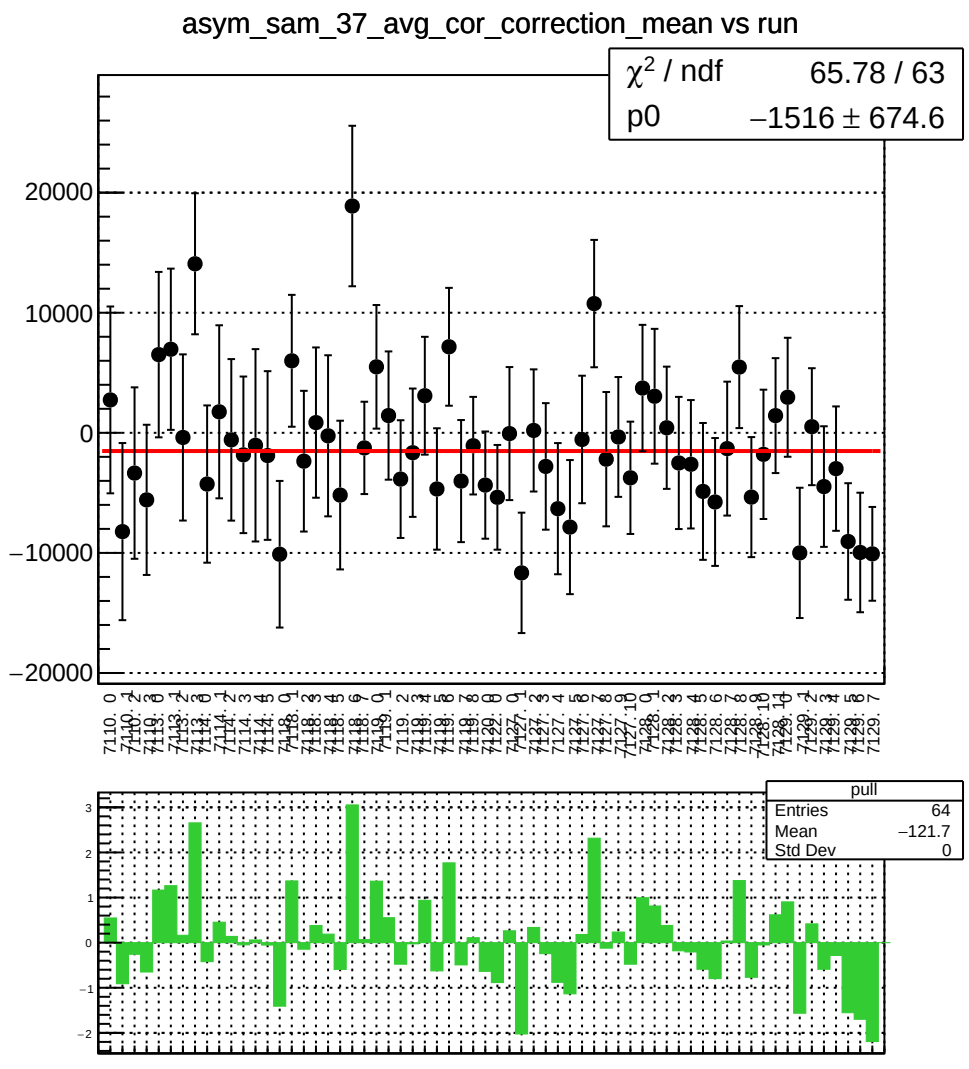

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 65.78 / 63
p0 −1516 ± 674.6
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −121.7
Std Dev 0
3
2
1
0
−1
−2

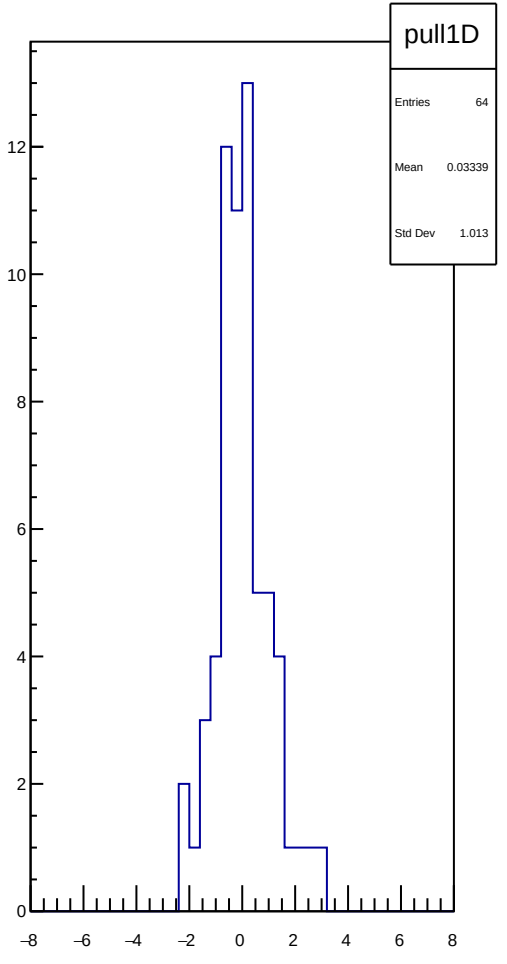

pull1D
Entries 64
Mean 0.03339
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

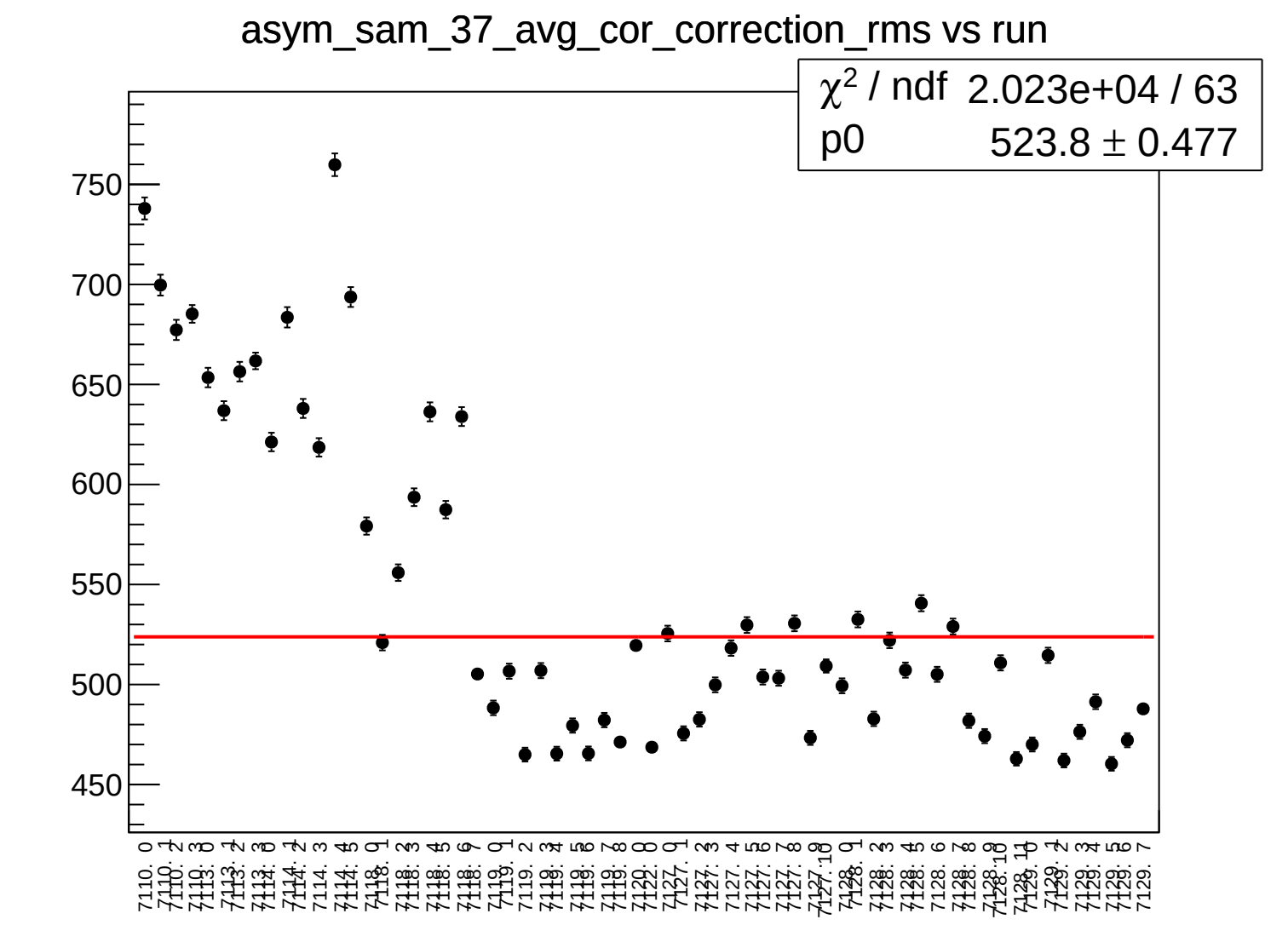

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 2.023e+04 / 63
p0 523.8 ± 0.477
750
700
650
600
550
500
450

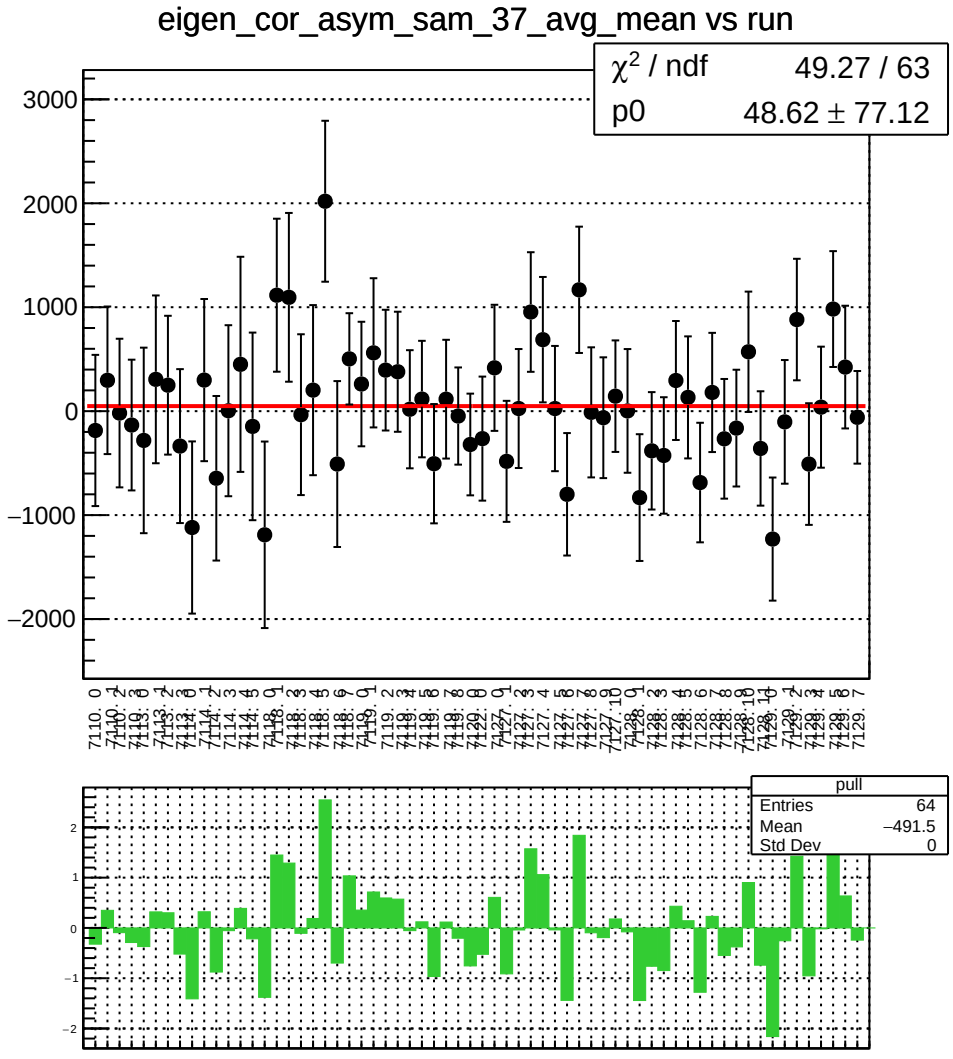

cor_asym_sam_37_avg_mean vs run
χ² / ndf 49.27 / 63
p0 48.62 ± 77.12
pull
Entries 64
Mean −491.5
Std Dev 0
pull1D
Entries 64
Mean 0.001579
Std Dev 0.8774

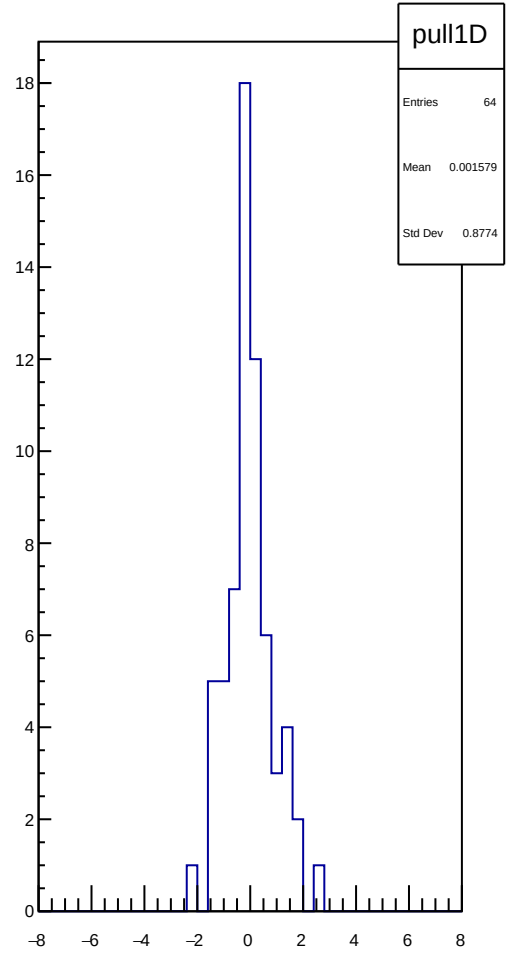

cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.58e+04 / 63
p0 59.75 ± 0.05453
100
90
80
70
60
50

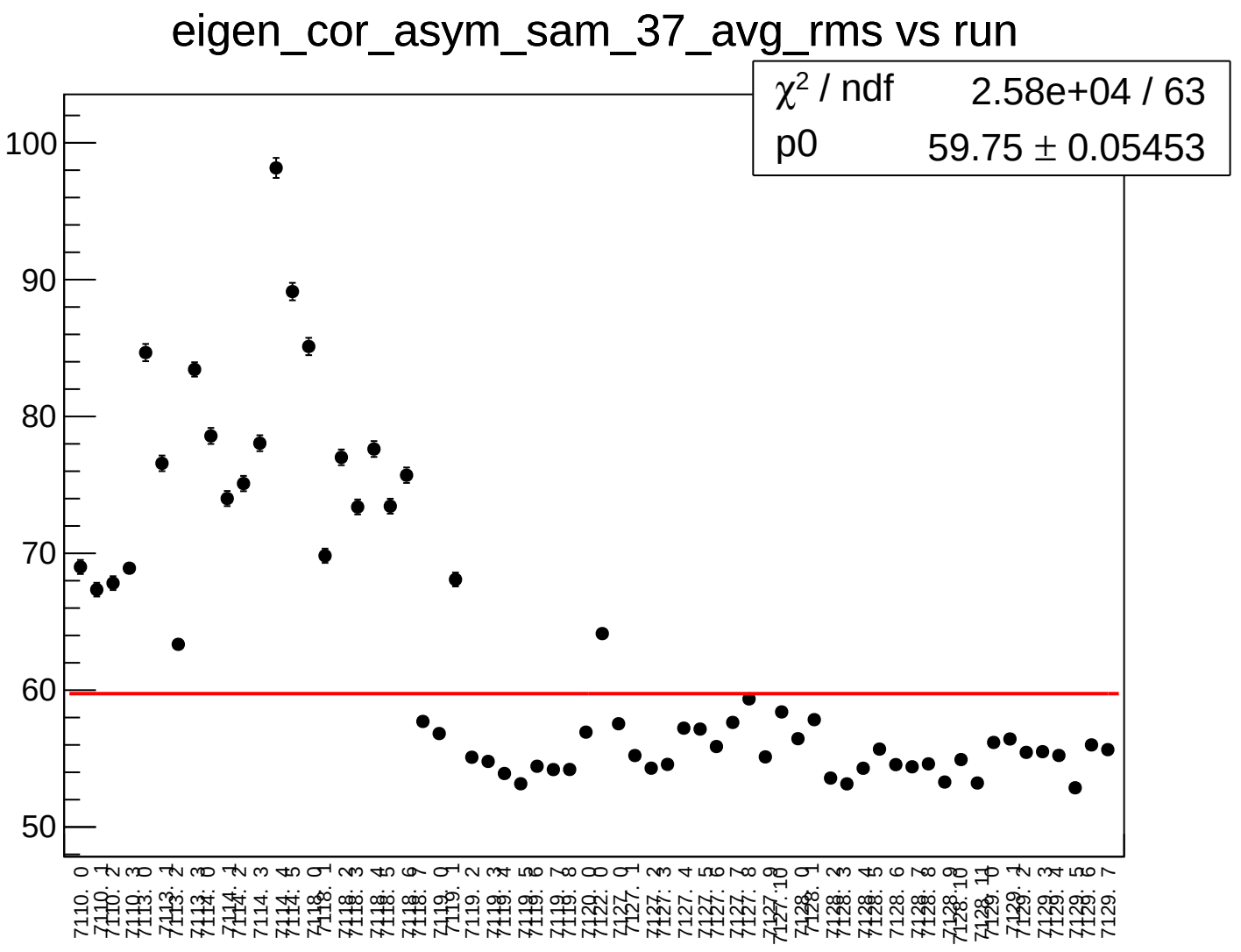

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 65.78 / 63
p0 −1516 ± 674.6
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −121.7
Std Dev 0
3
2
1
0
−1
−2

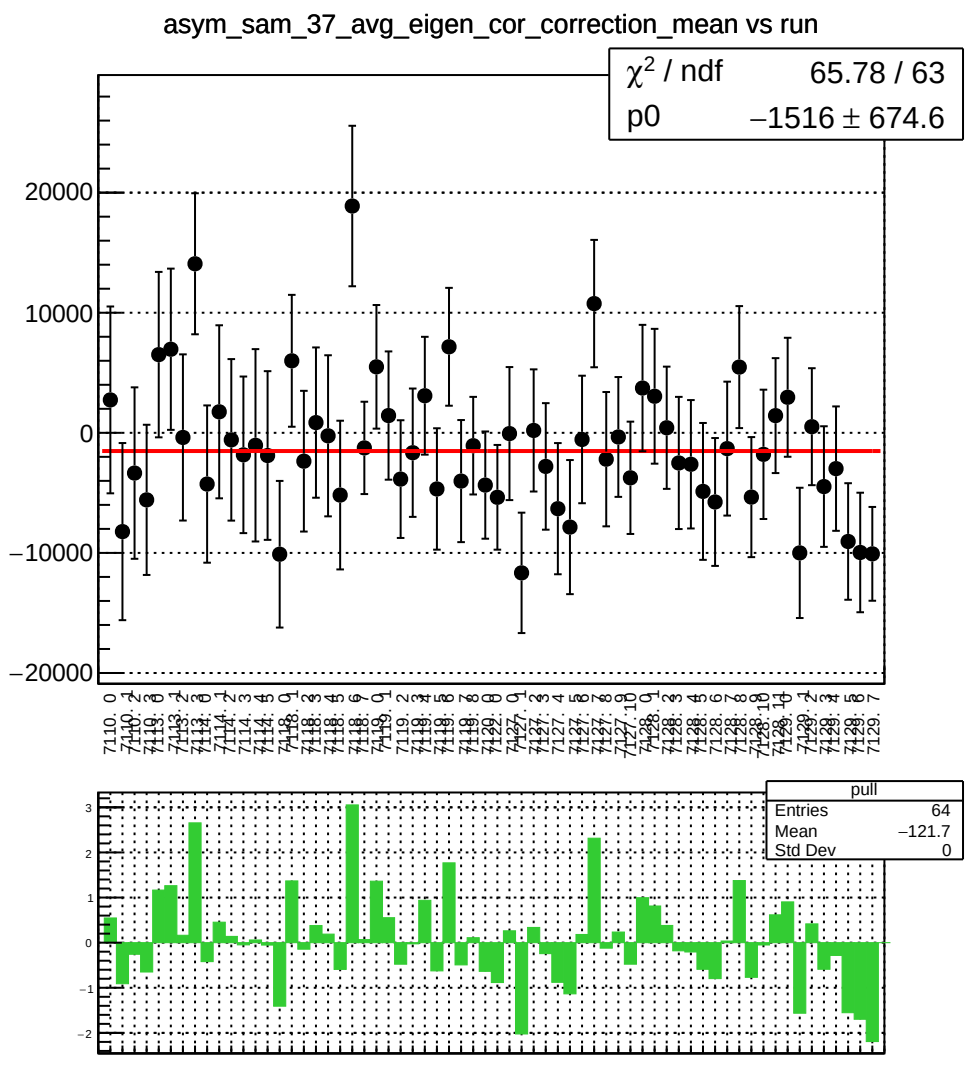

pull1D
Entries 64
Mean 0.03339
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

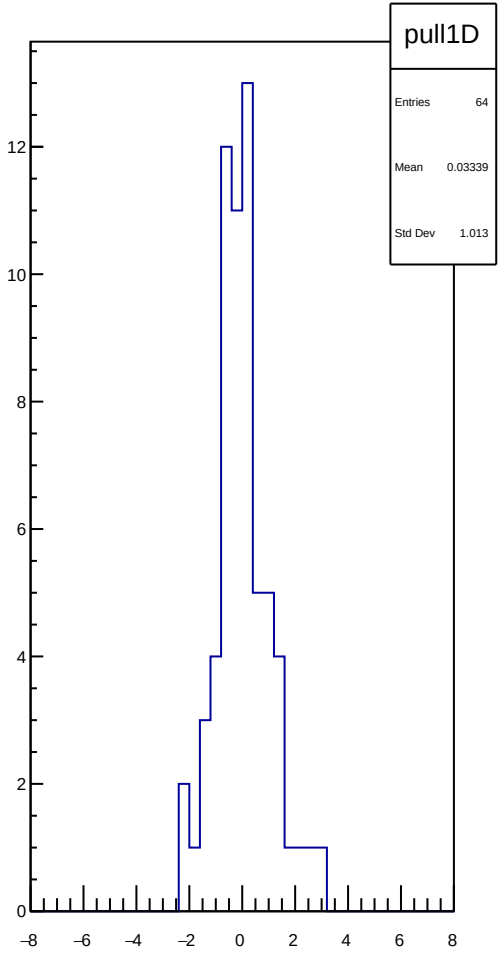

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 2.023e+04 / 63
p0 523.8 ± 0.477
750
700
650
600
550
500
450

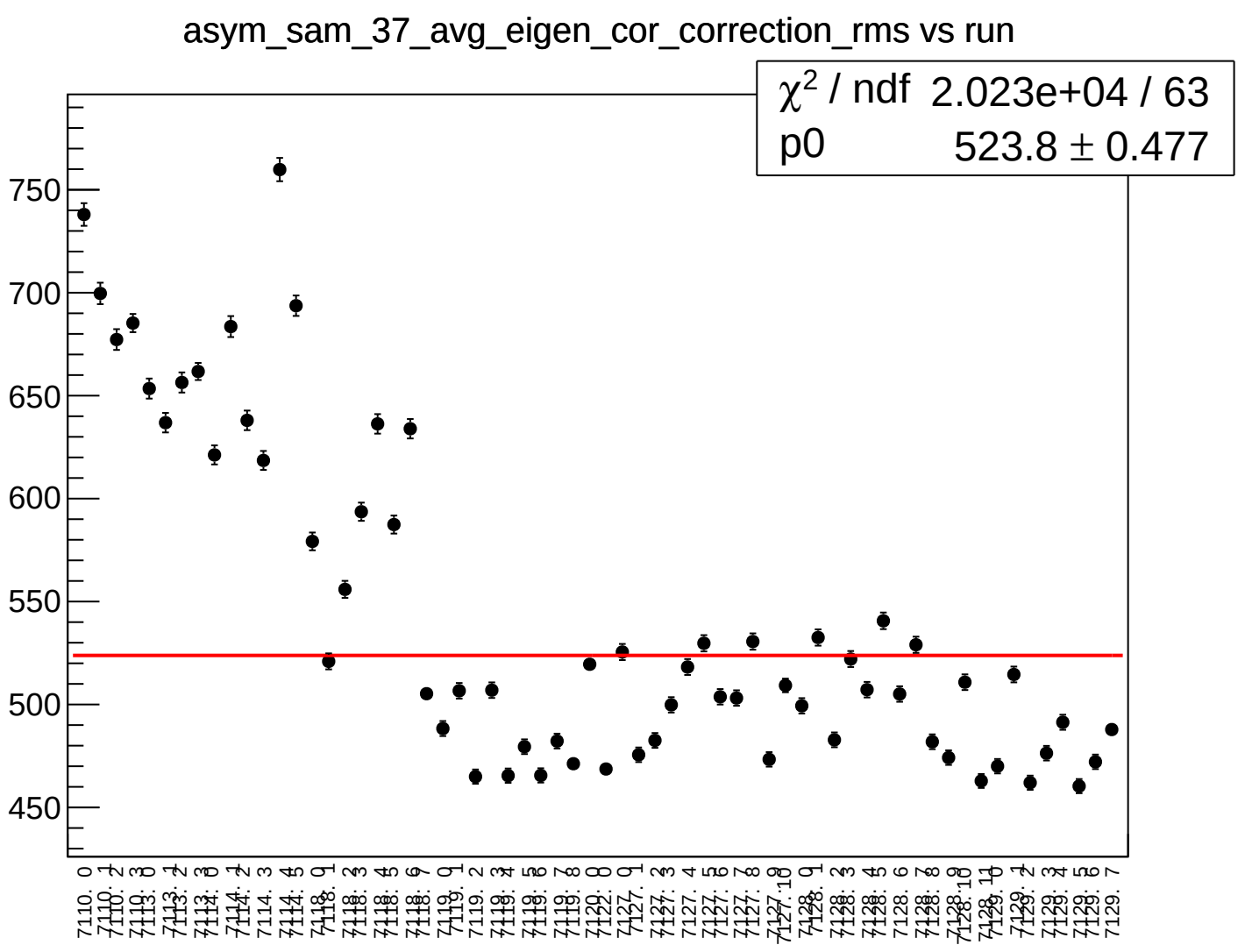

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 49.27 / 63
p0 48.62 ± 77.12
pull
Entries 64
Mean −491.5
Std Dev 0

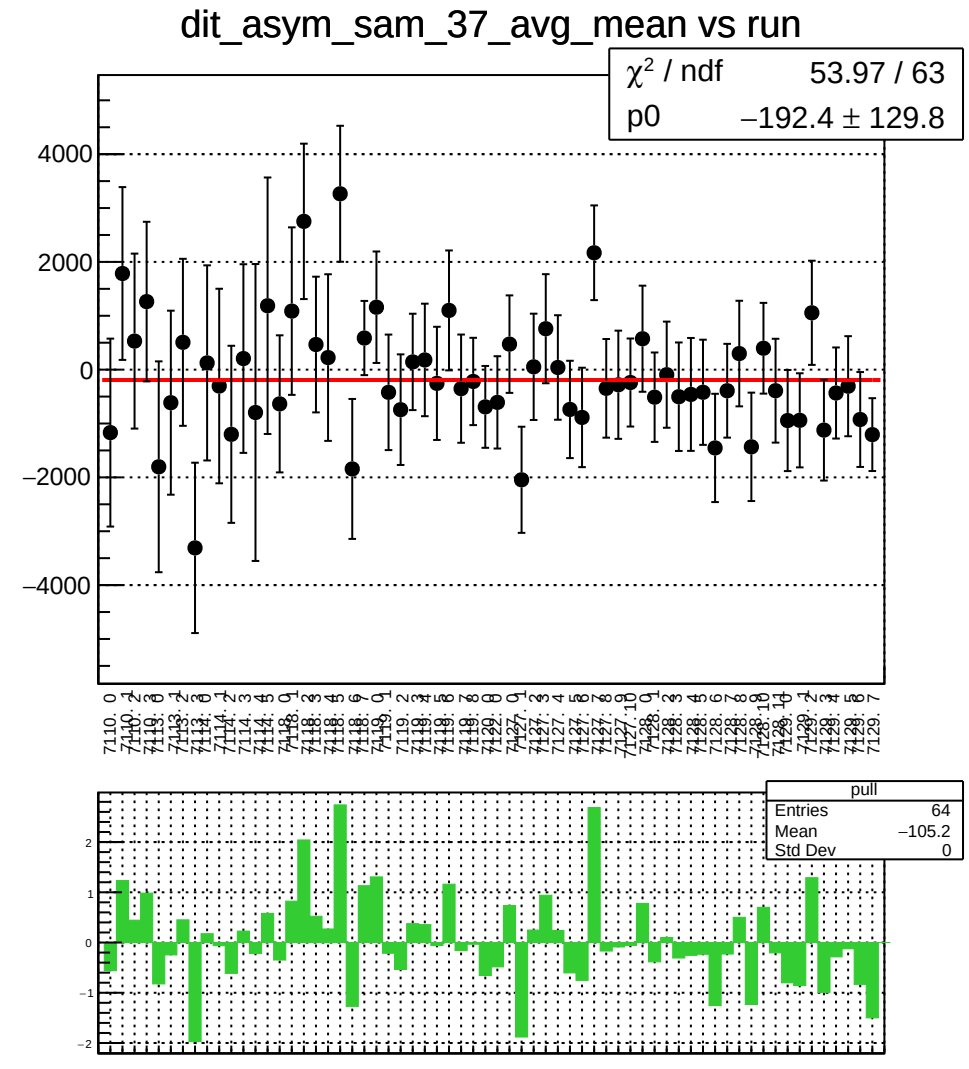

pull1D
Entries 64
Mean 0.001579
Std Dev 0.8774

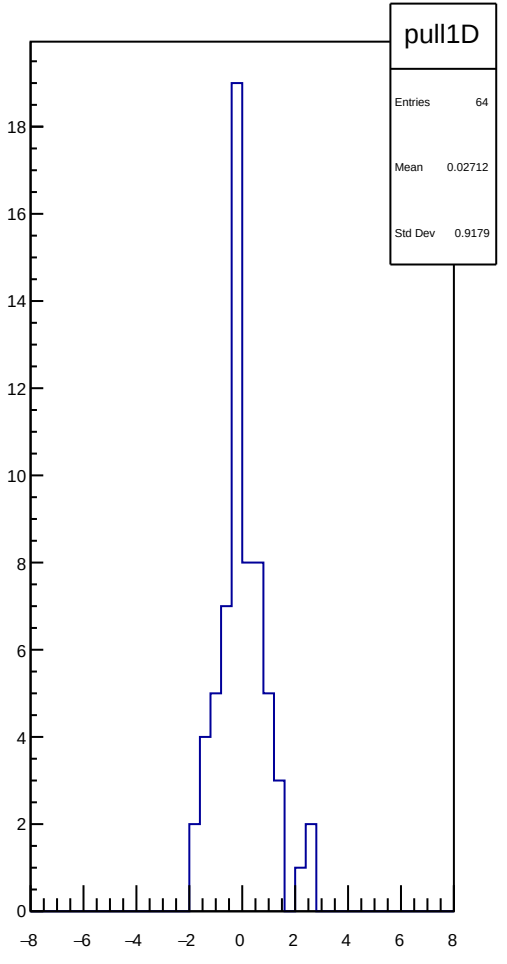

eigen_cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.58e+04 / 63
p0 59.75 ± 0.05453
100
90
80
70
60
50

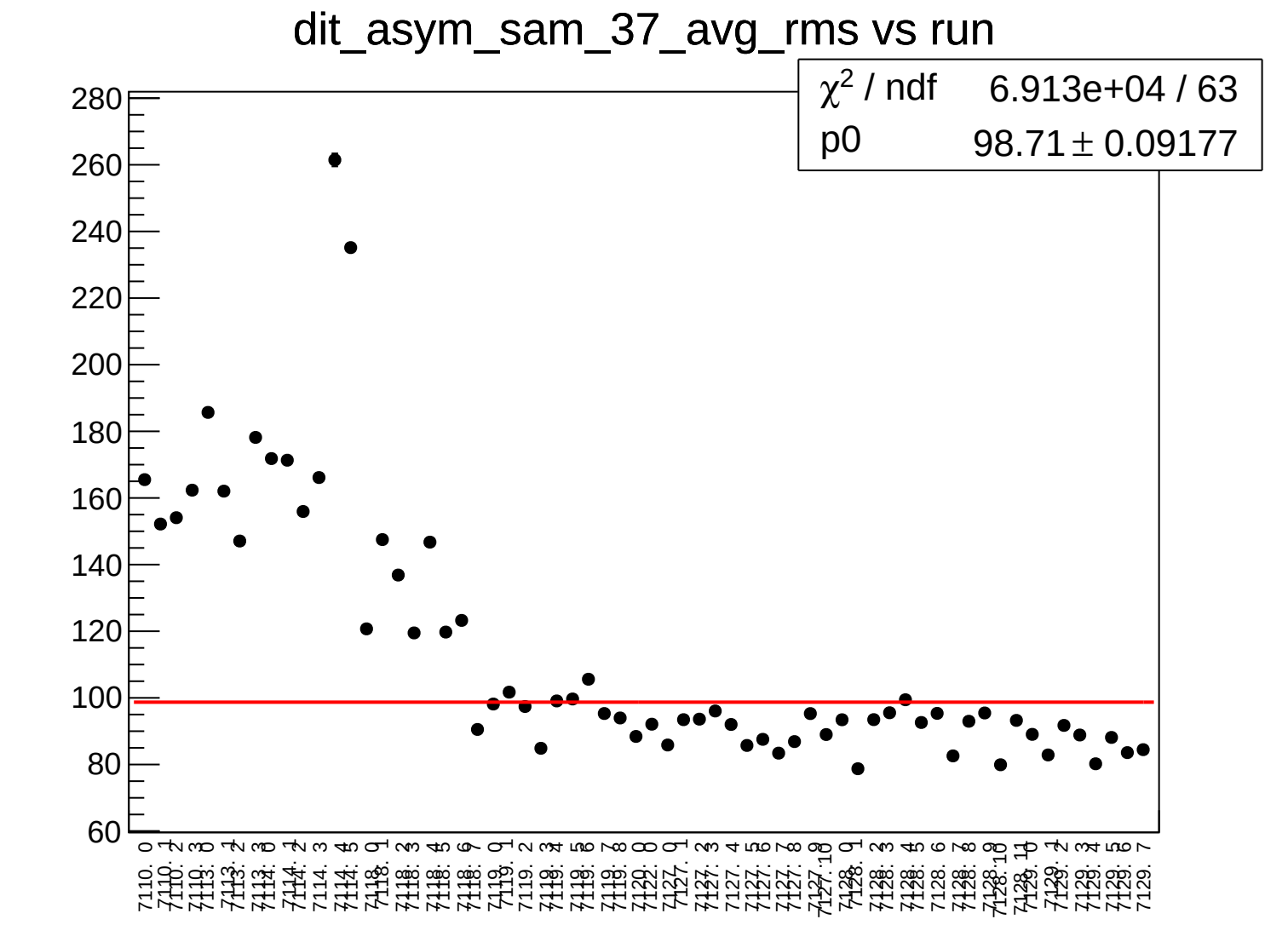

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.78 / 63
p0 −1516 ± 674.6
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −121.7
Std Dev 0
3
2
1
0
−1
−2

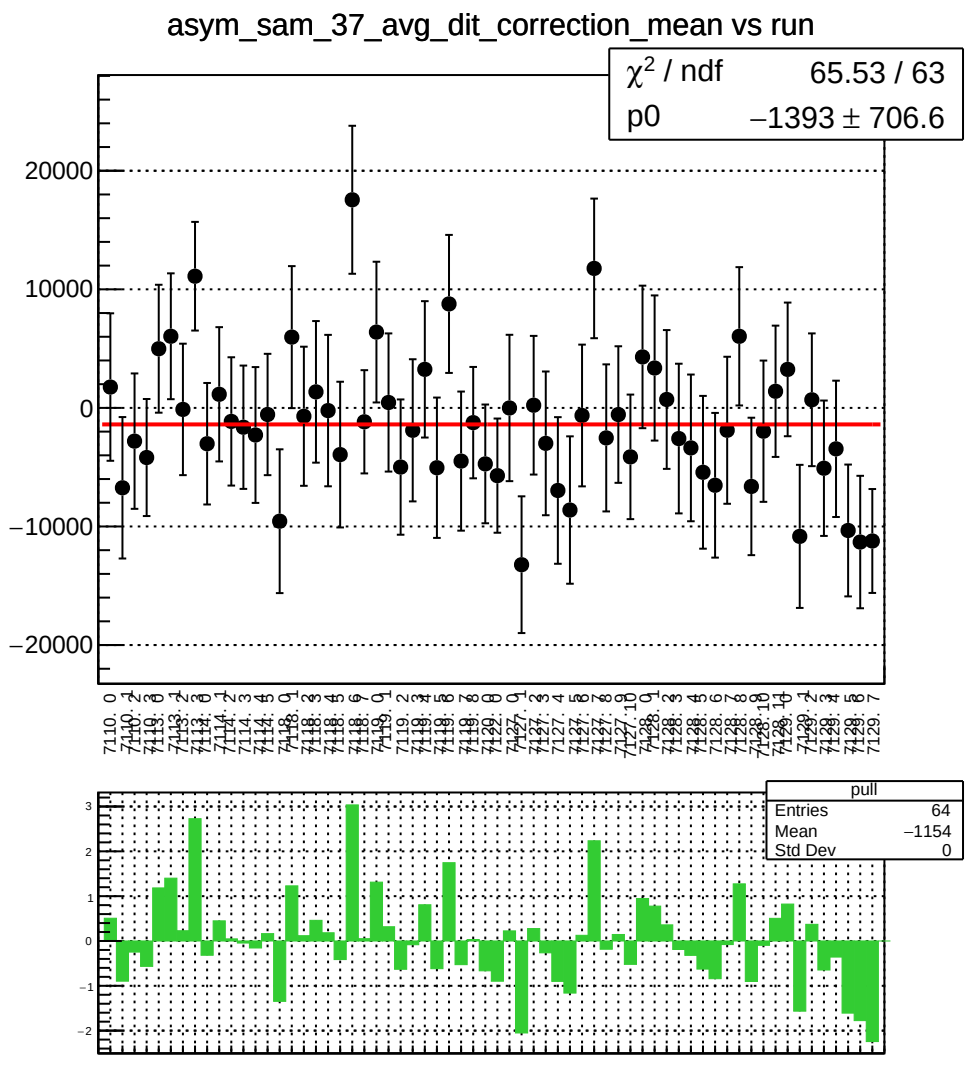

pull1D
Entries 64
Mean 0.03339
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

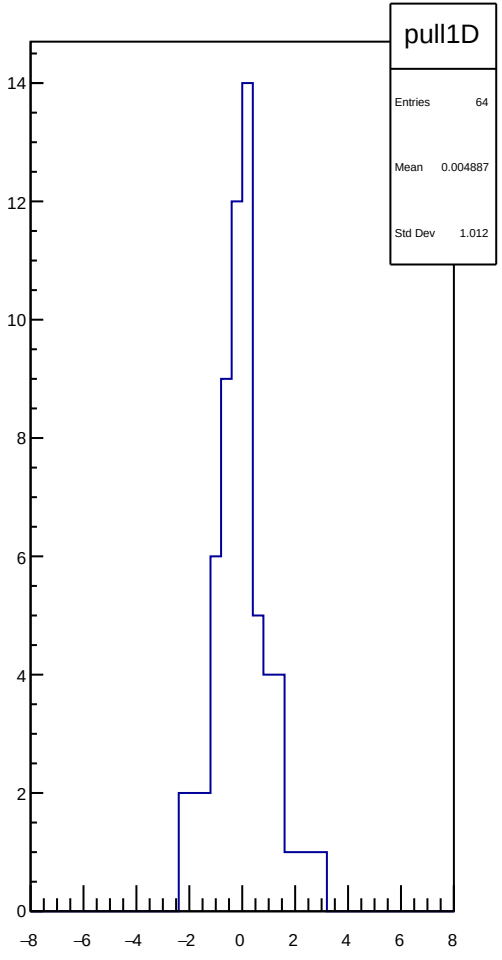

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.023e+04 / 63
p0 523.8 ± 0.477
750
700
650
600
550
500
450

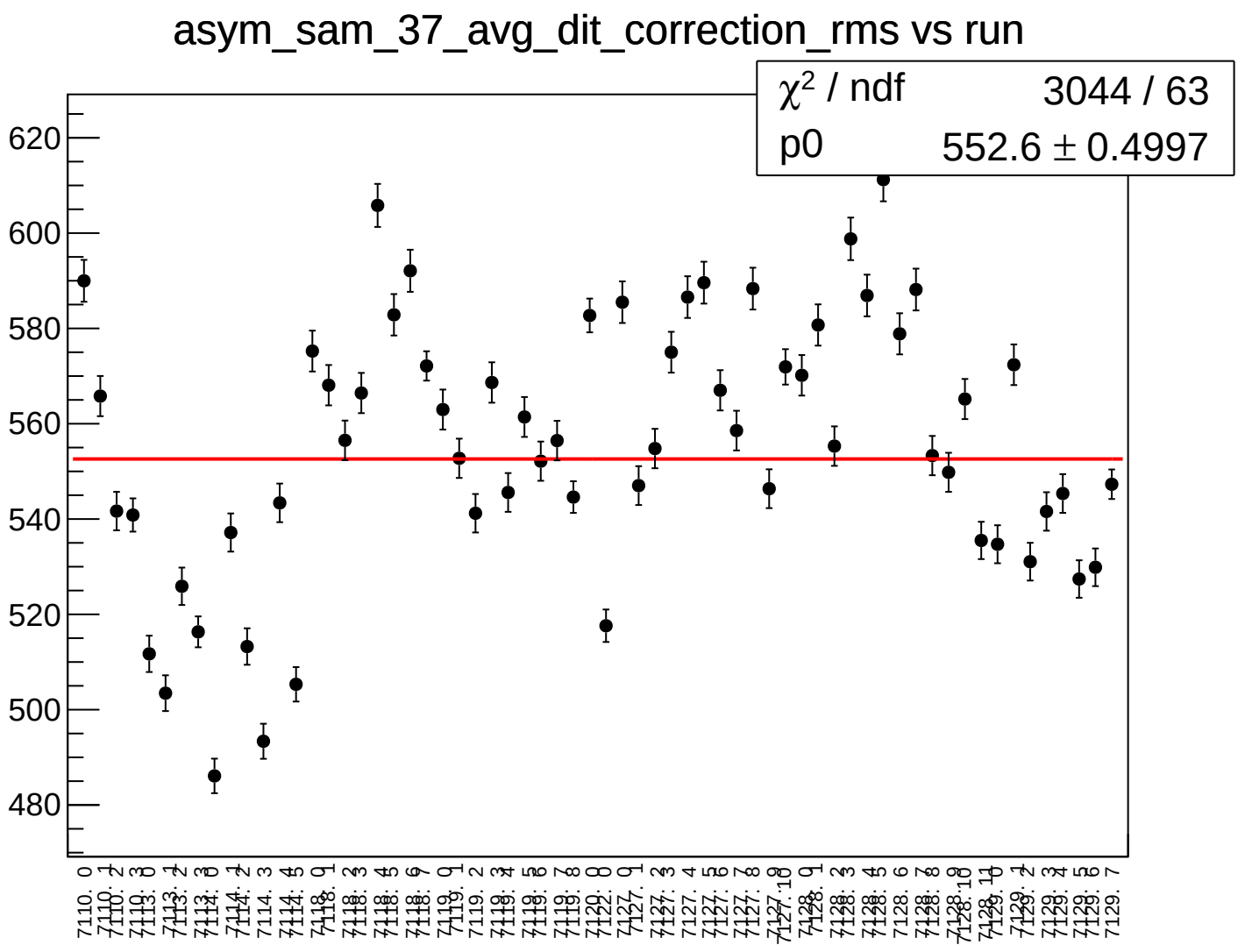

dit_asym_sam_37_avg_mean vs run
χ² / ndf 53.97 / 63
p0 −192.4 ± 129.8
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −105.2
Std Dev 0
2
1
0
−1
−2

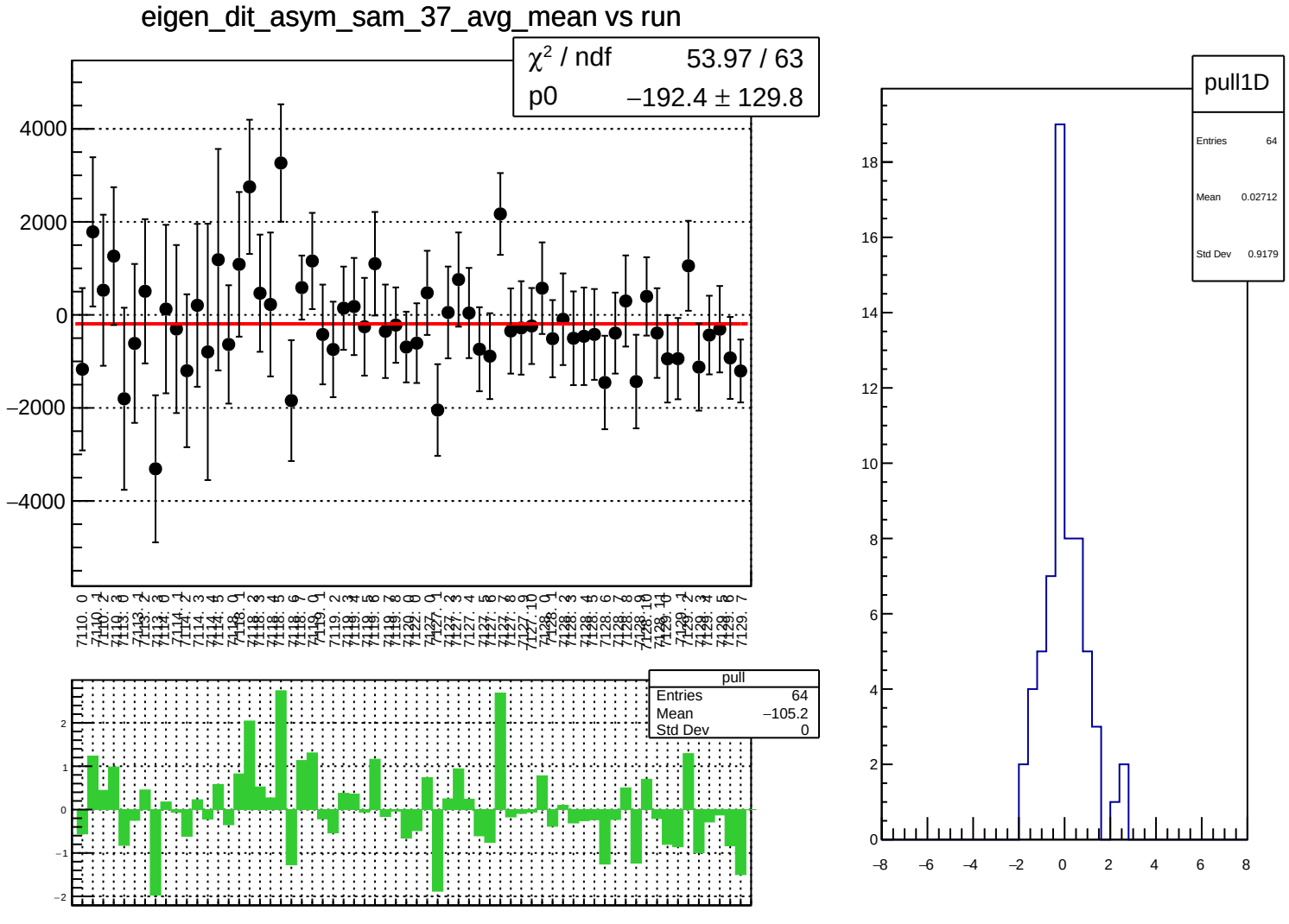

pull1D
Entries 64
Mean 0.02712
Std Dev 0.9179
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

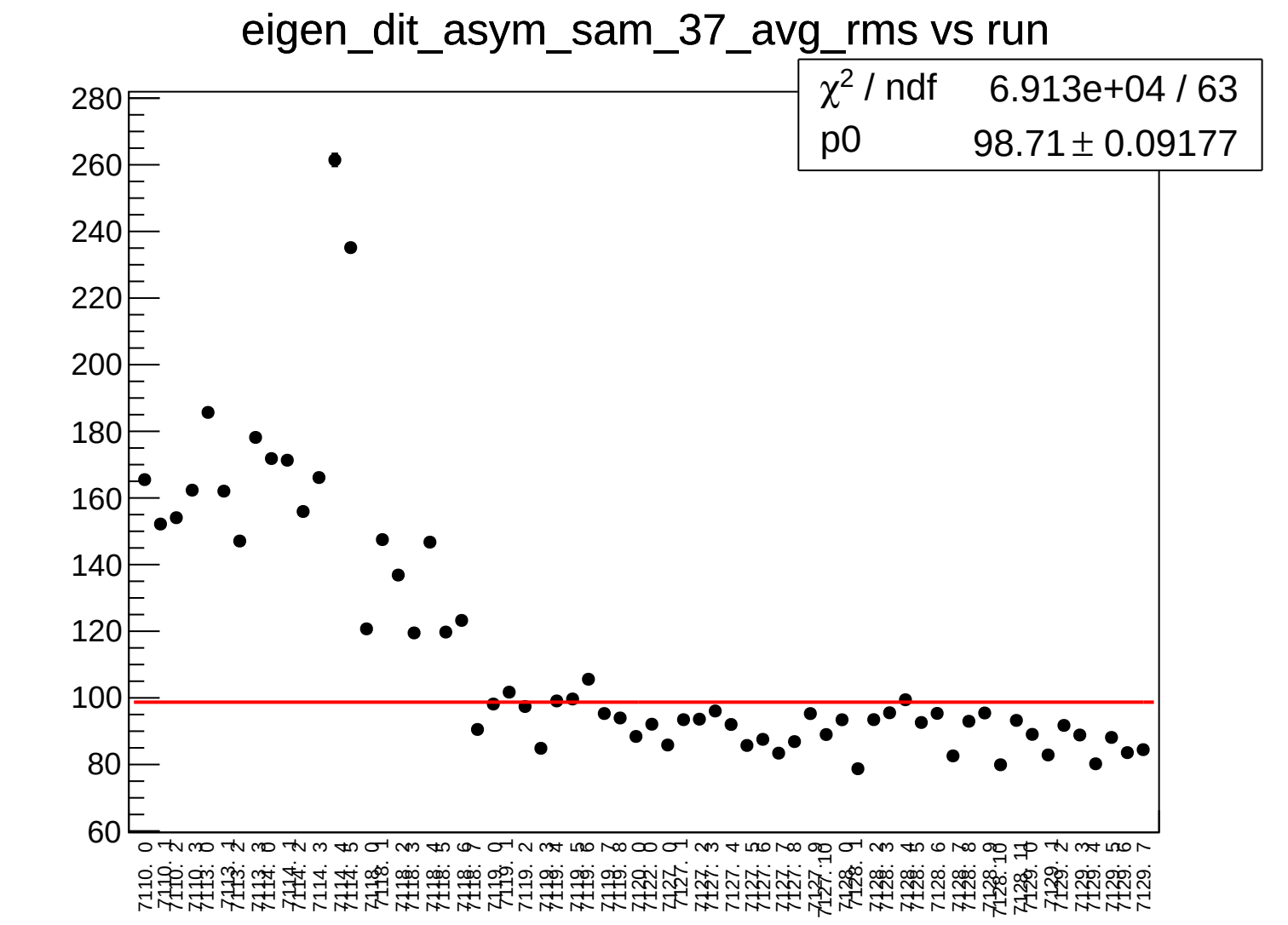

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 6.913e+04 / 63
p0 98.71 ± 0.09177
280
260
240
220
200
180
160
140
120
100
80
60

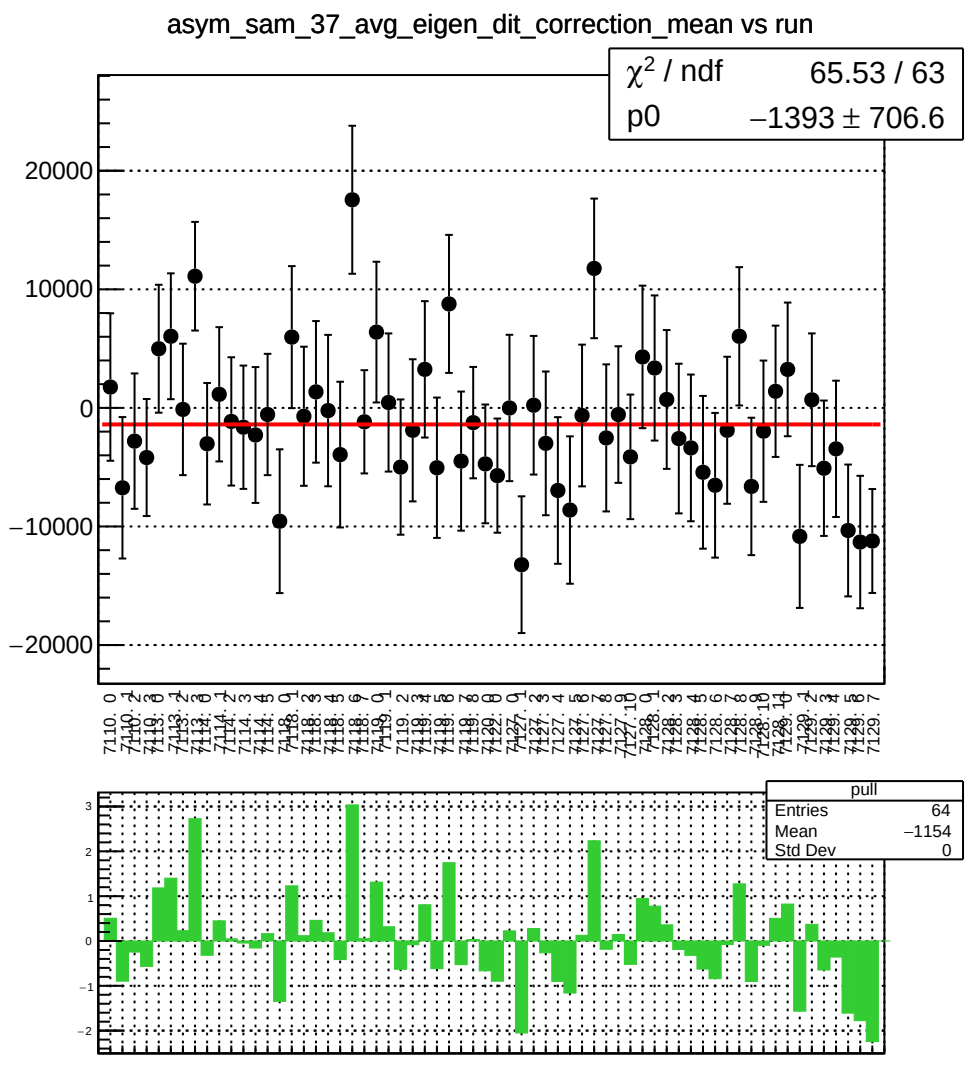

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 65.53 / 63
p0 −1393 ± 706.6
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −1154
Std Dev 0
3
2
1
0
−1
−2

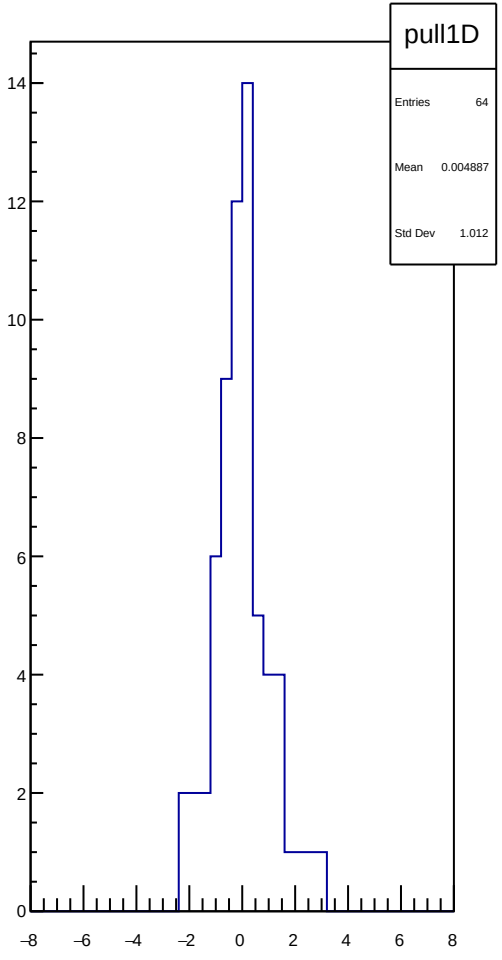

pull1D
Entries 64
Mean 0.004887
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

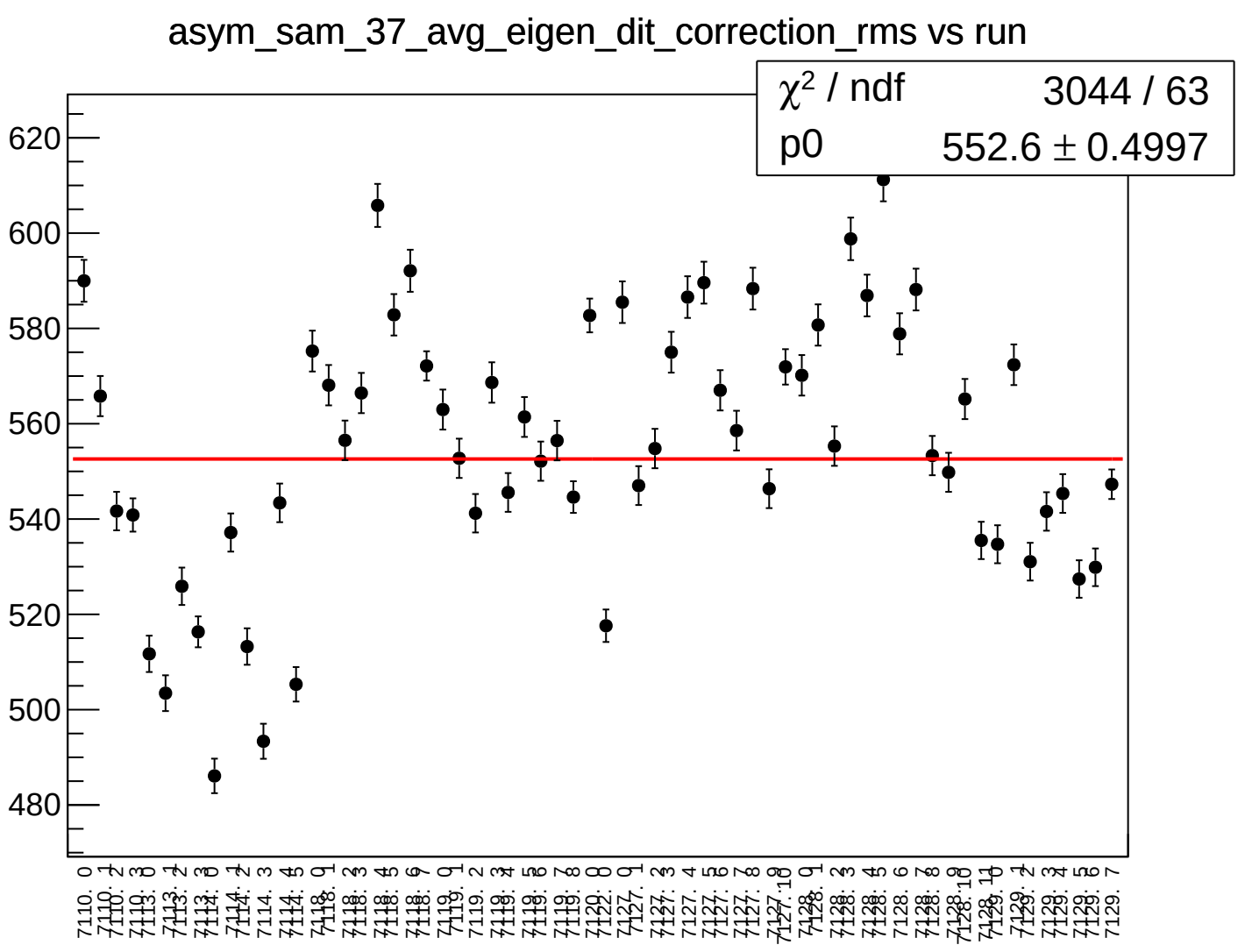

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 3044 / 63
p0 552.6 ± 0.4997
620
600
580
560
540
520
500
480

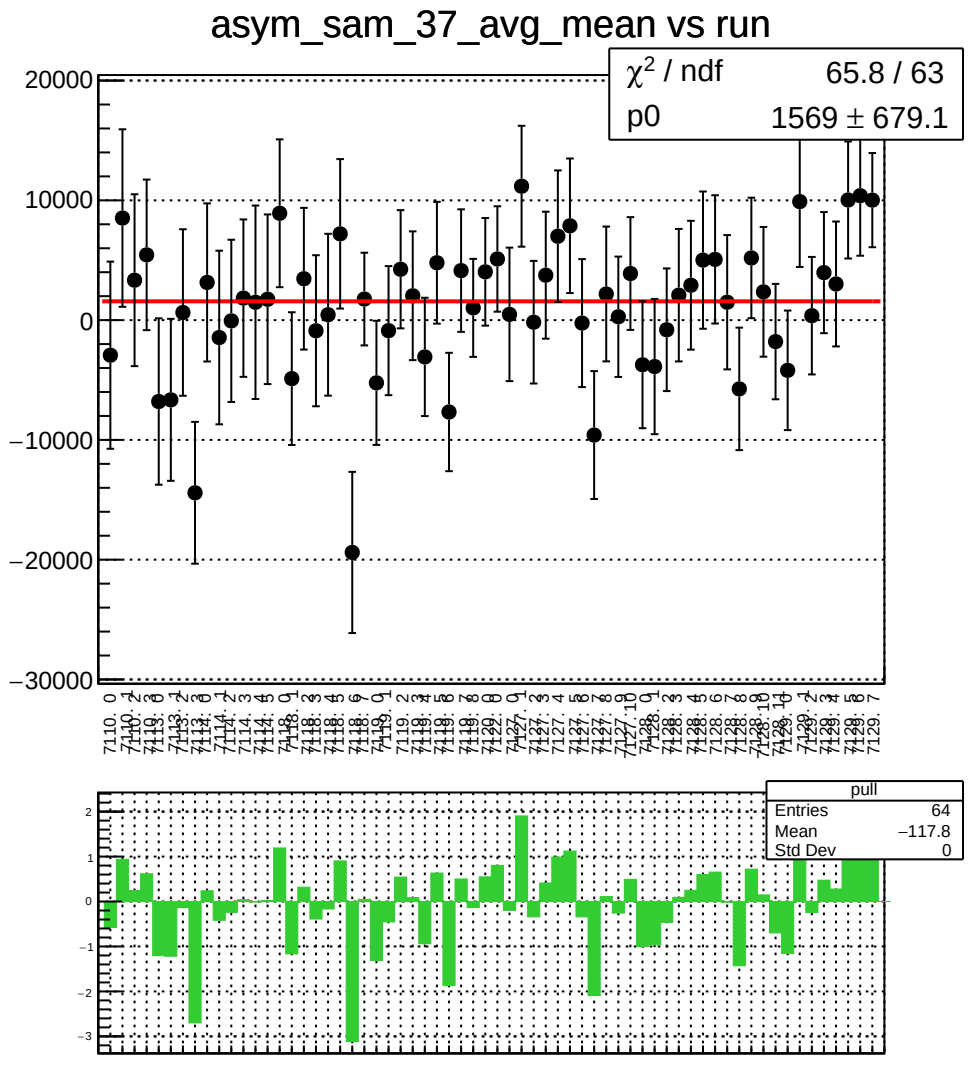

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 53.97 / 63
p0 −192.4 ± 129.8
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −105.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 64
Mean 0.02712
Std Dev 0.9179
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

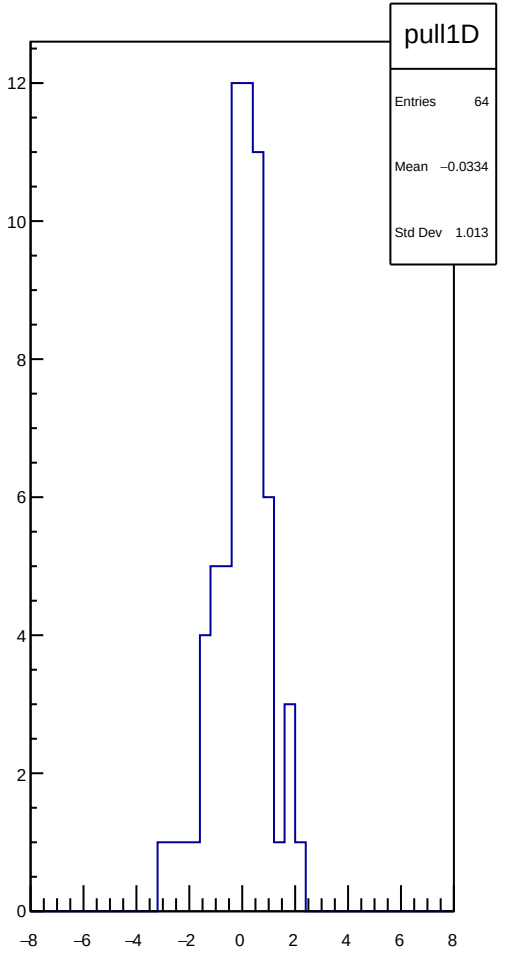

eigen_dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 6.913e+04 / 63
p0 98.71 ± 0.09177
280
260
240
220
200
180
160
140
120
100
80
60

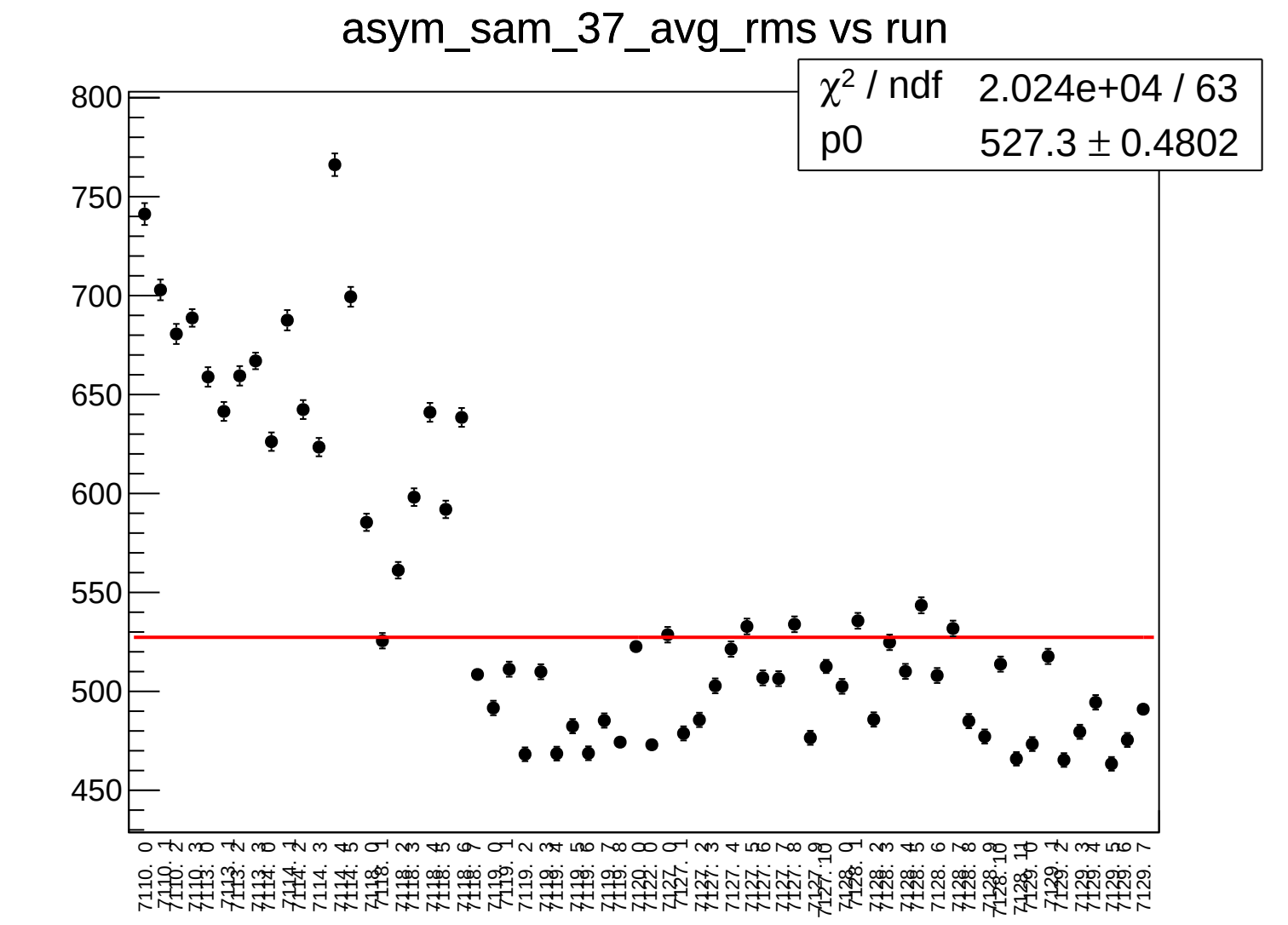

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.53 / 63
p0 −1393 ± 706.6
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −1154
Std Dev 0
3
2
1
0
−1
−2

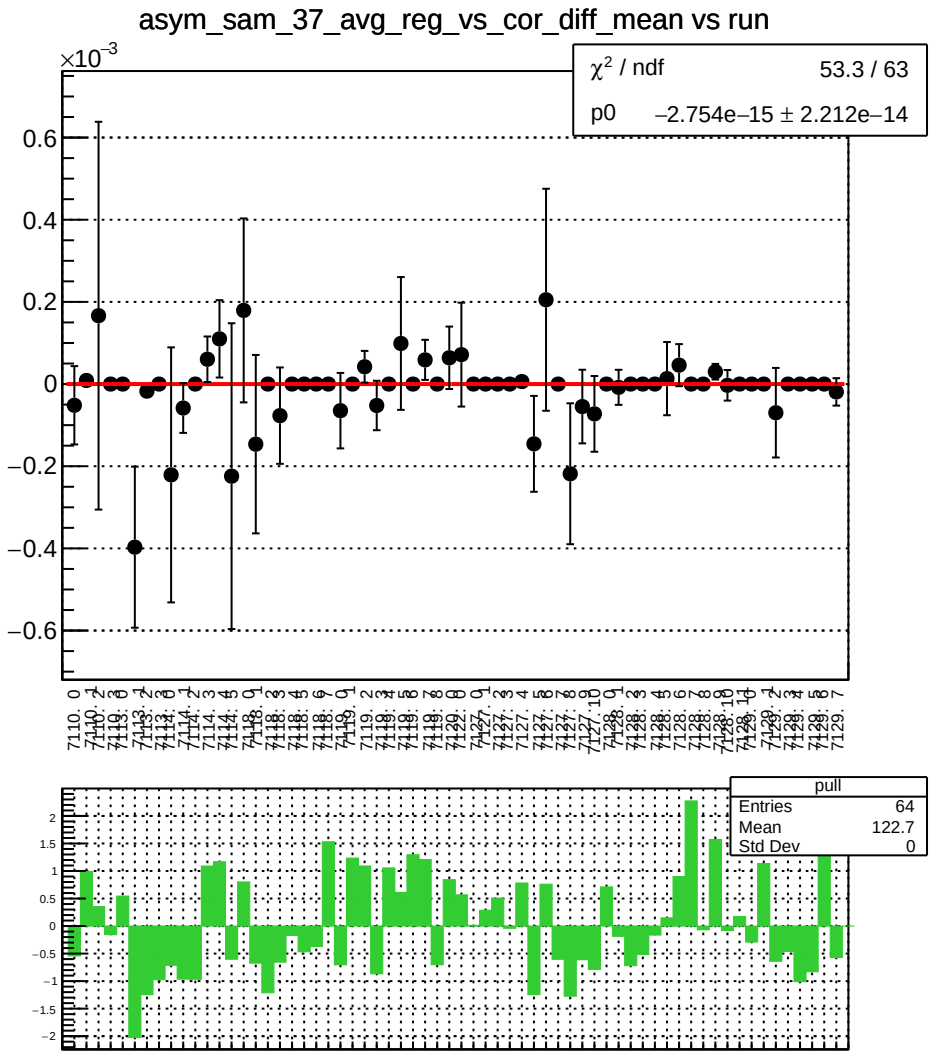

pull1D
Entries 64
Mean 0.004887
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

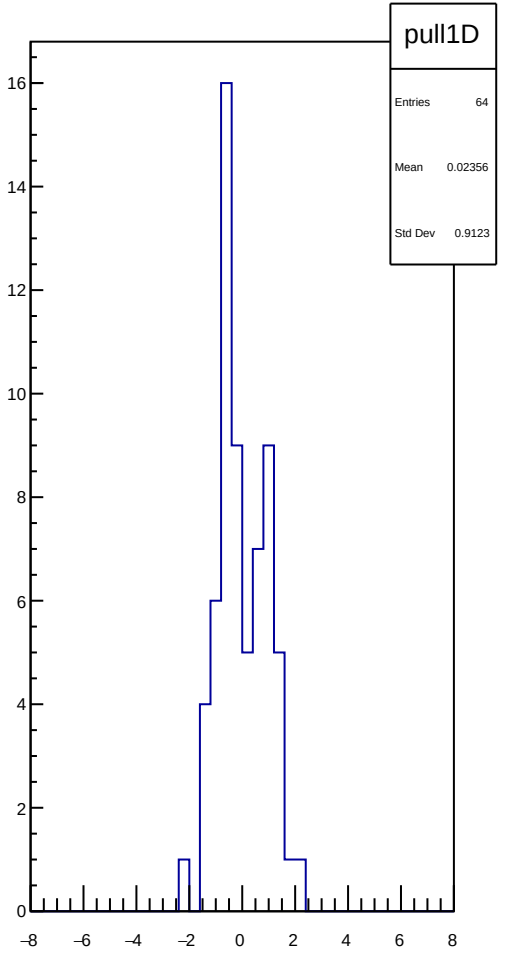

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 3044 / 63
p0 552.6 ± 0.4997
620
600
580
560
540
520
500
480

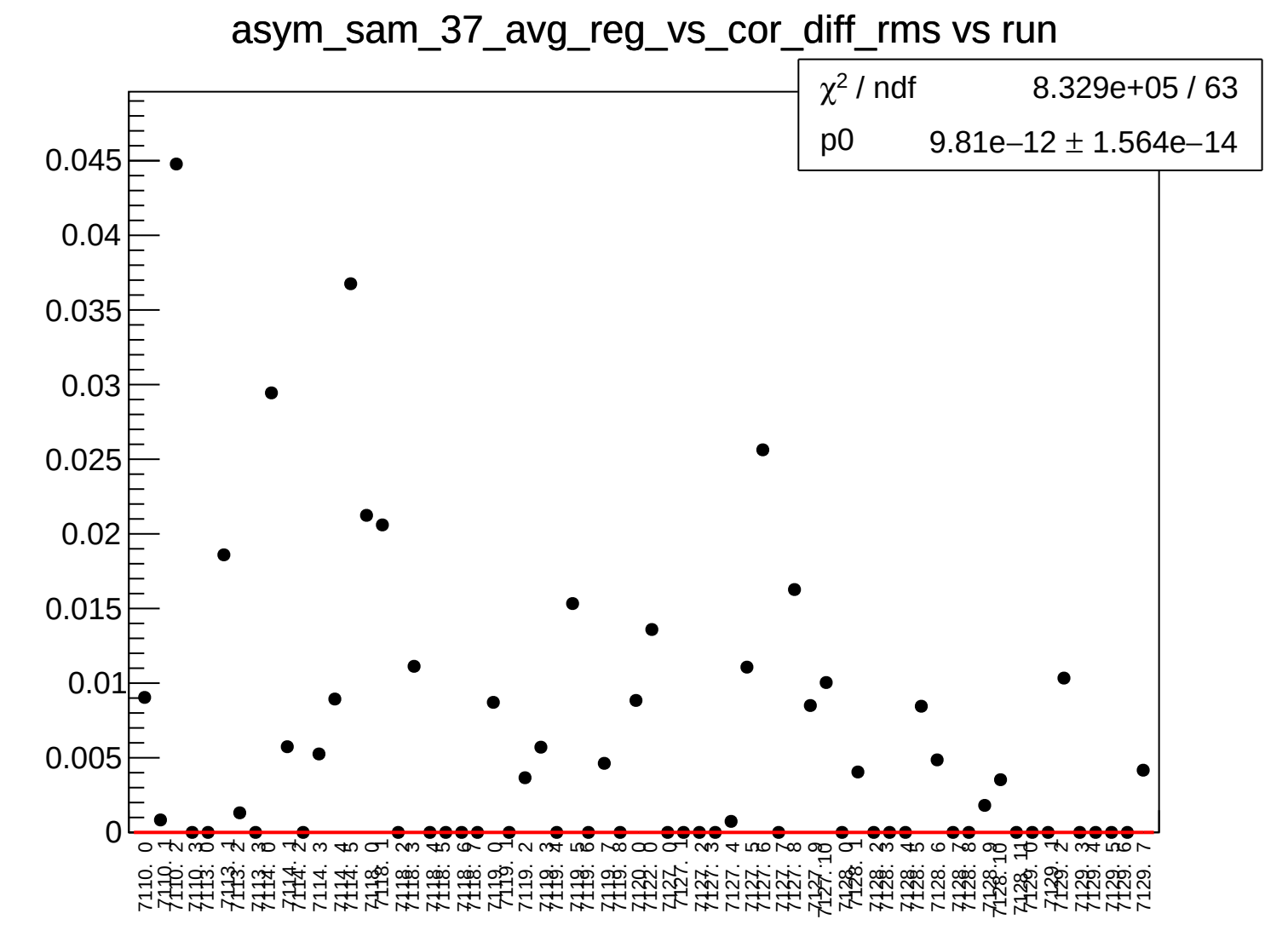

asym_sam_37_avg_mean vs run
χ² / ndf 65.8 / 63
p0 1569 ± 679.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean −117.8
Std Dev 0
2
1
0
−1
−2
−3

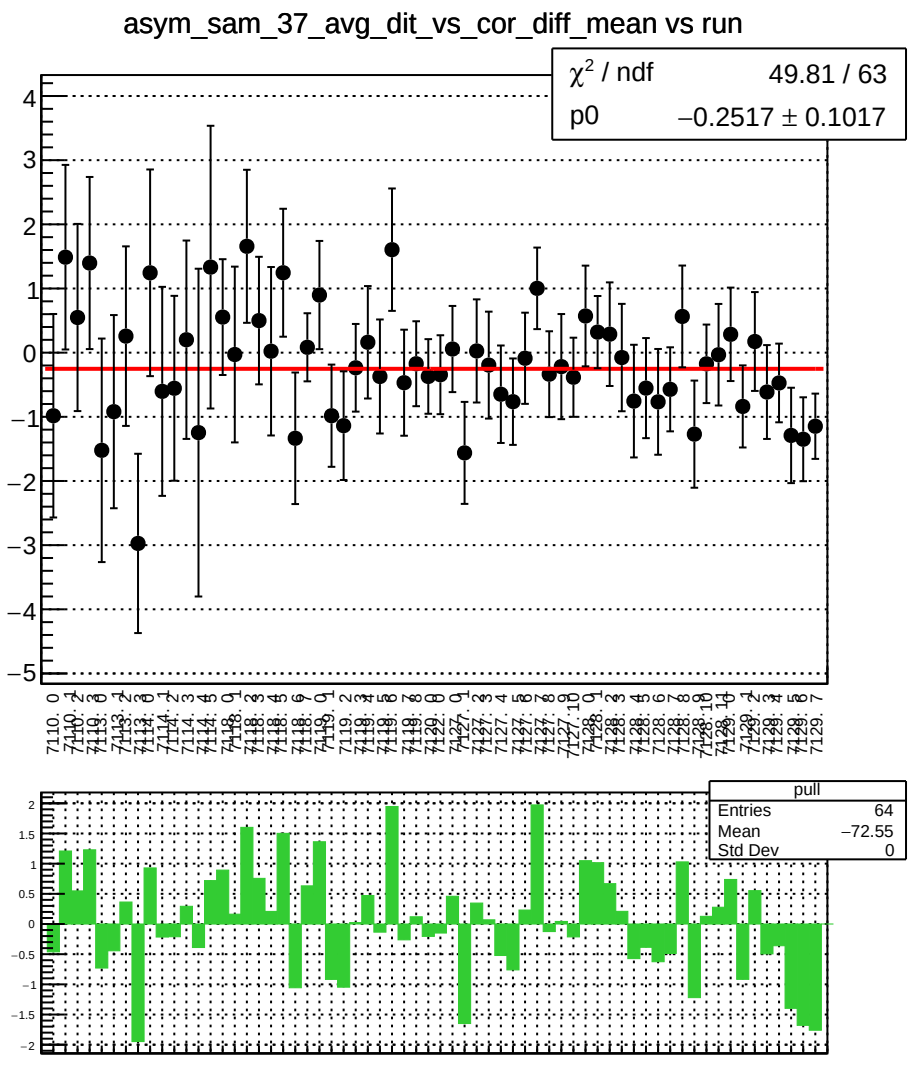

pull1D
Entries 64
Mean −0.0334
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

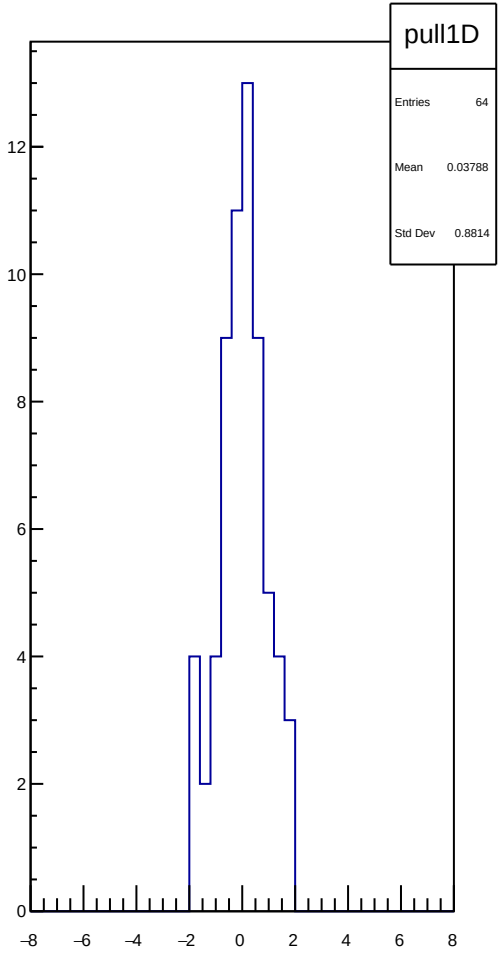

asym_sam_37_avg_rms vs run
χ² / ndf 2.024e+04 / 63
p0 527.3 ± 0.4802
800
750
700
650
600
550
500
450

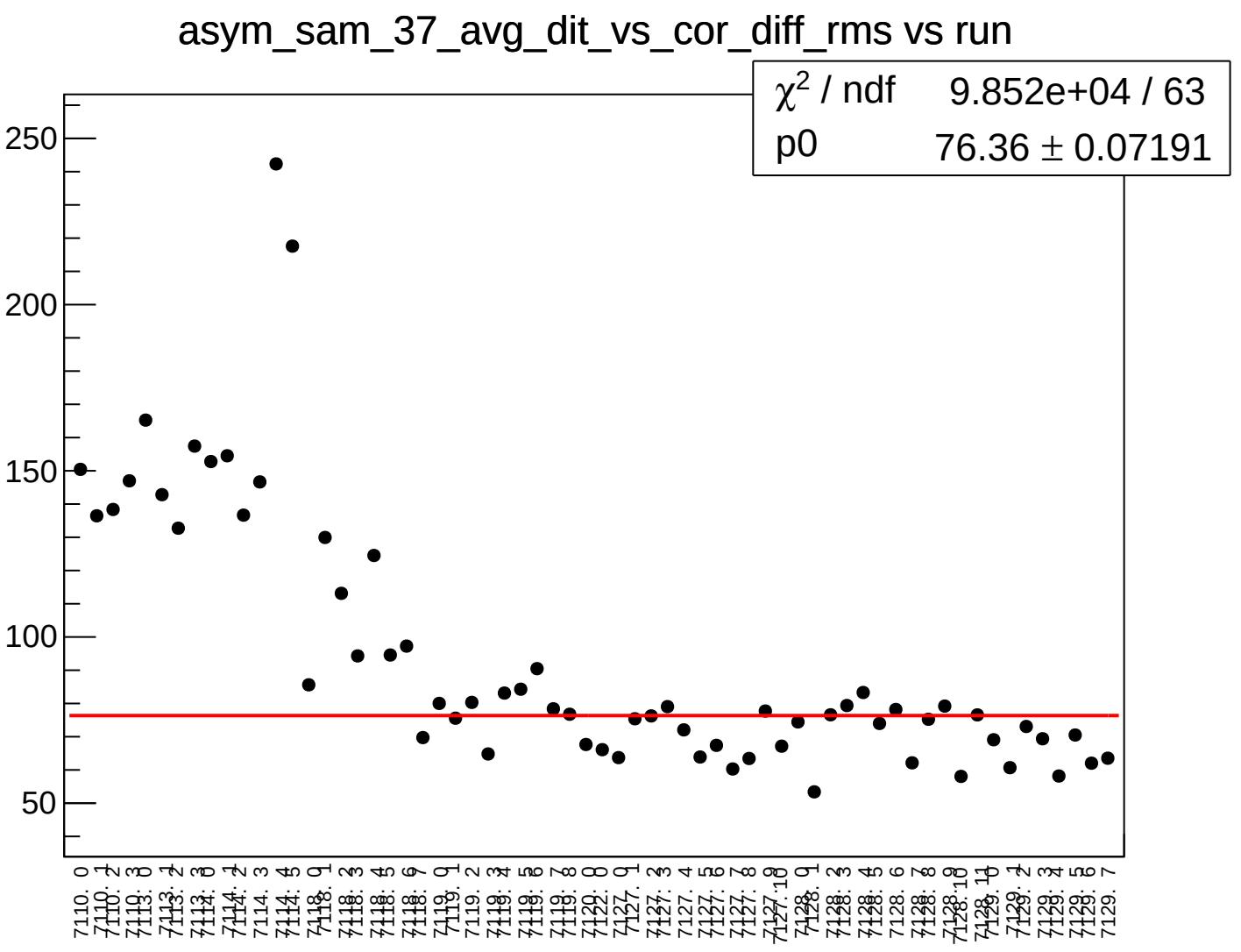

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 53.3 / 63
p0 −2.754e−15 ± 2.212e−14
pull
Entries 64
Mean 122.7
Std Dev 0

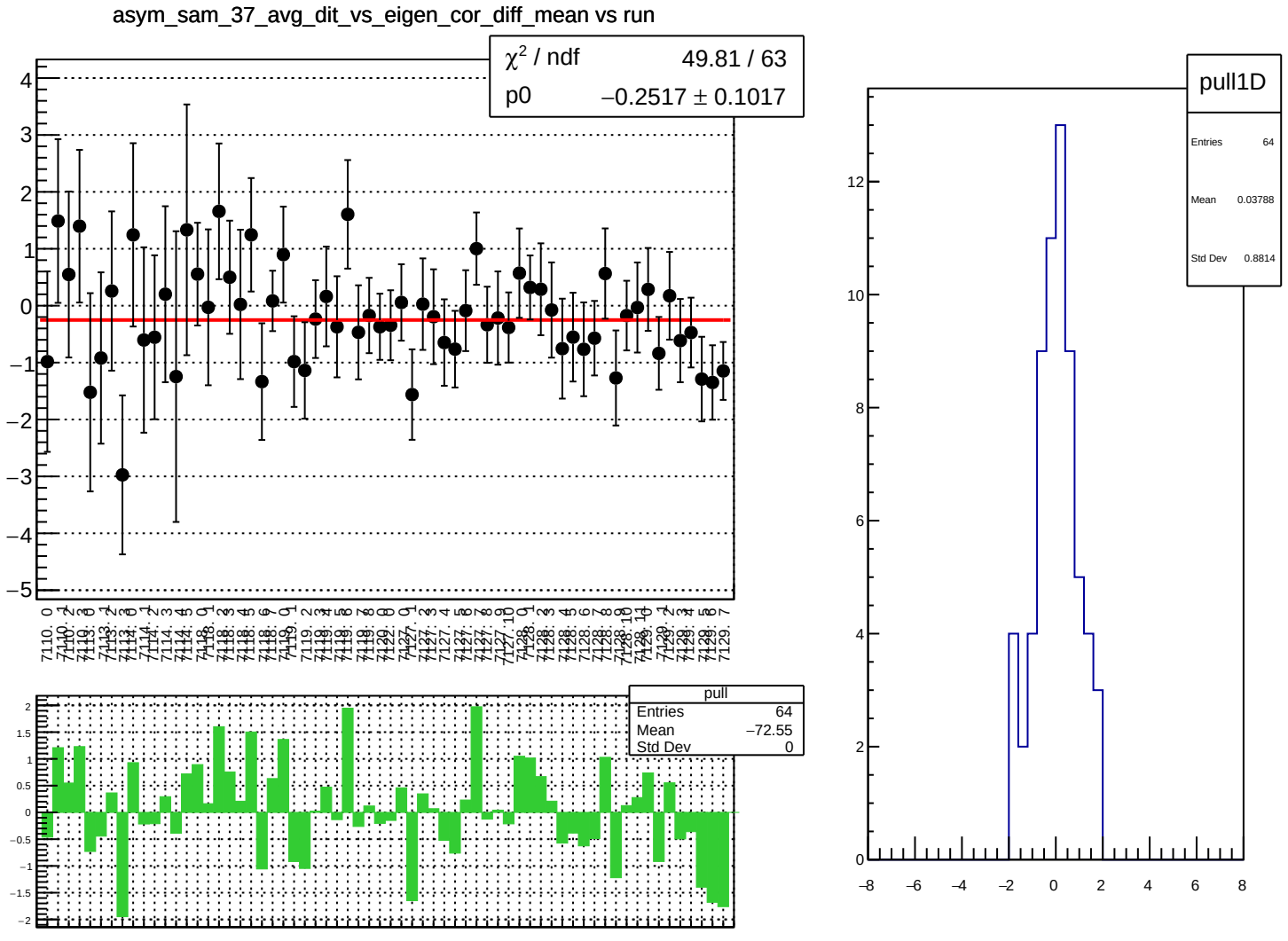

pull1D
Entries 64
Mean 0.02356
Std Dev 0.9123

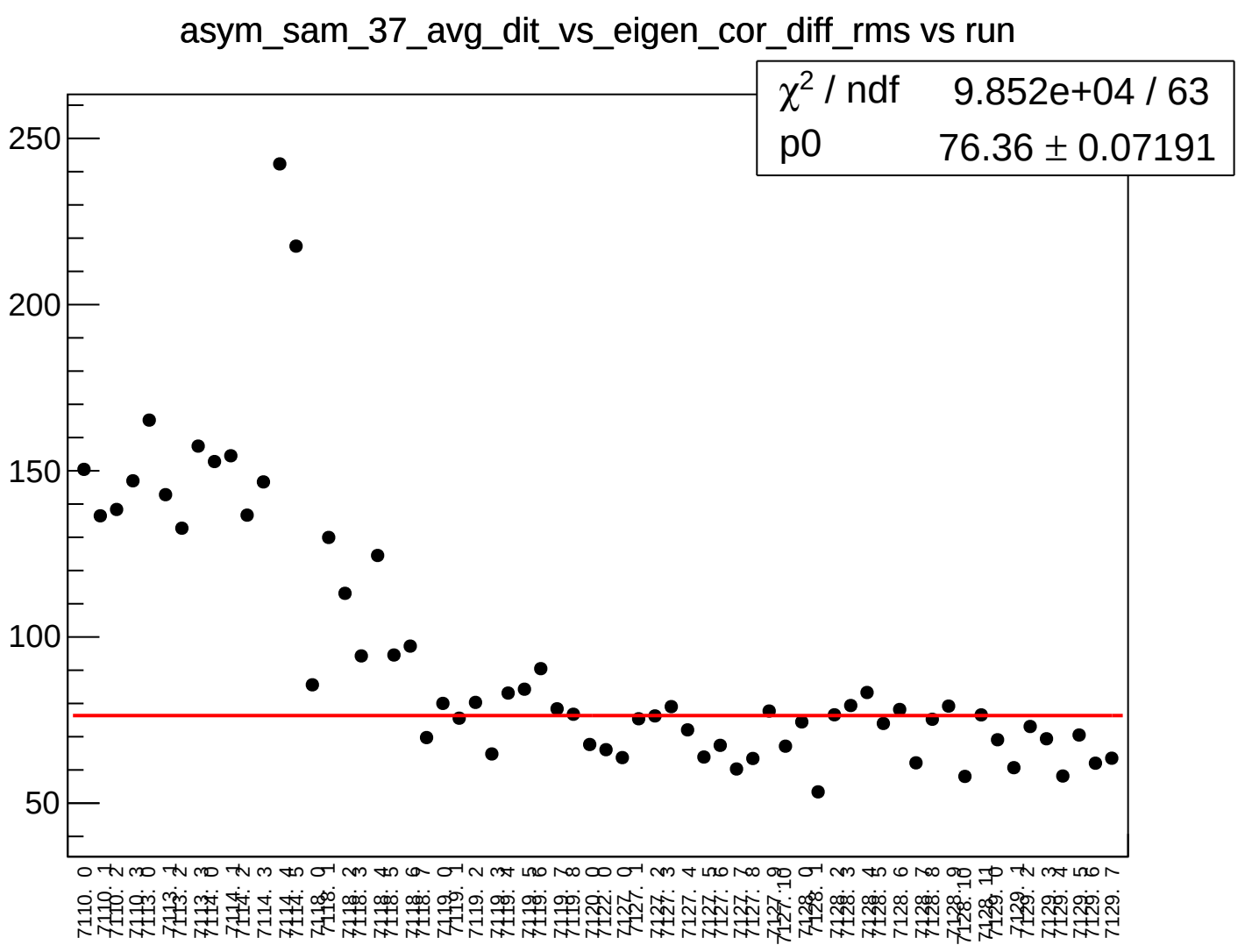

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.329e+05 / 63
p0 9.81e−12 ± 1.564e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

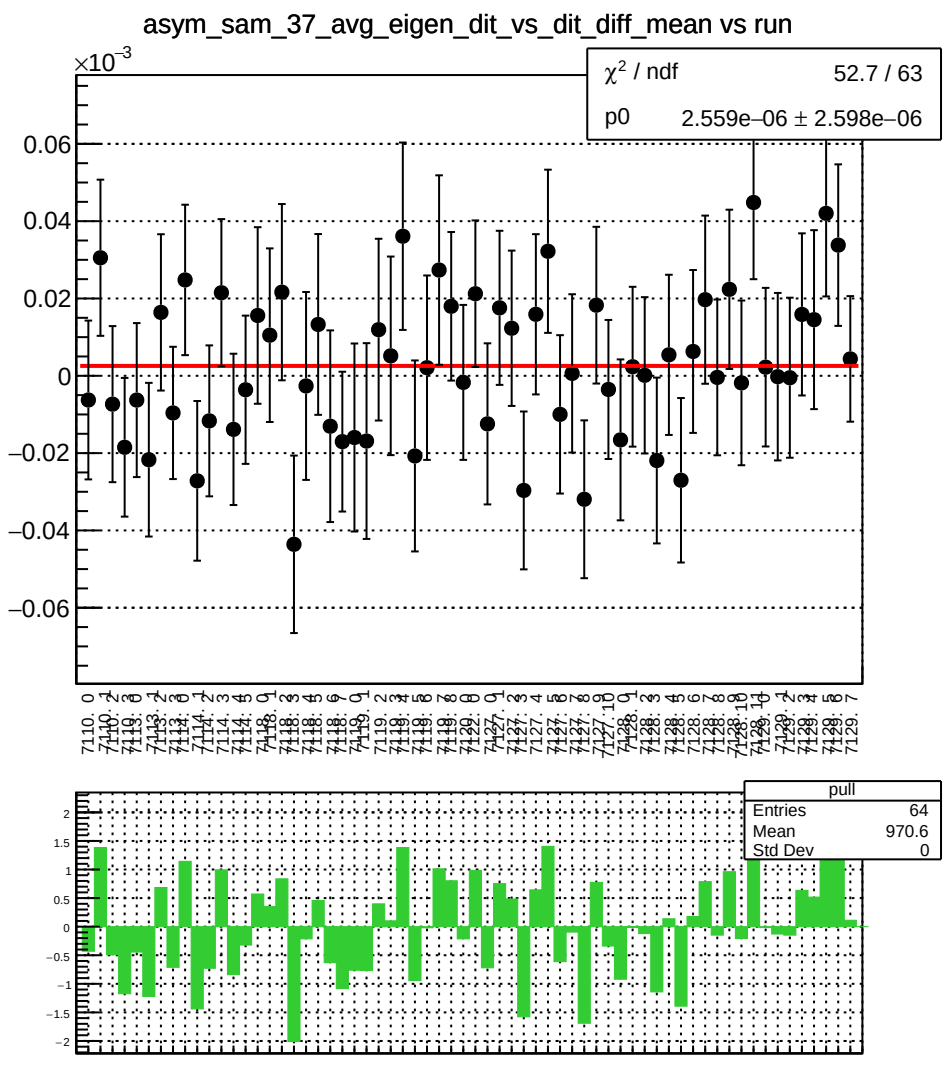

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.81 / 63
p0 −0.2517 ± 0.1017
pull
Entries 64
Mean −72.55
Std Dev 0

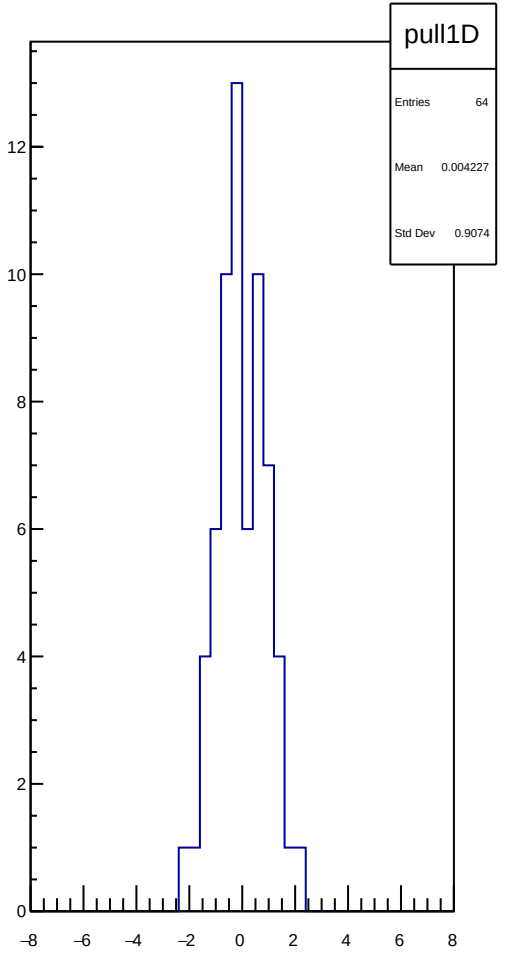

pull1D
Entries 64
Mean 0.03788
Std Dev 0.8814

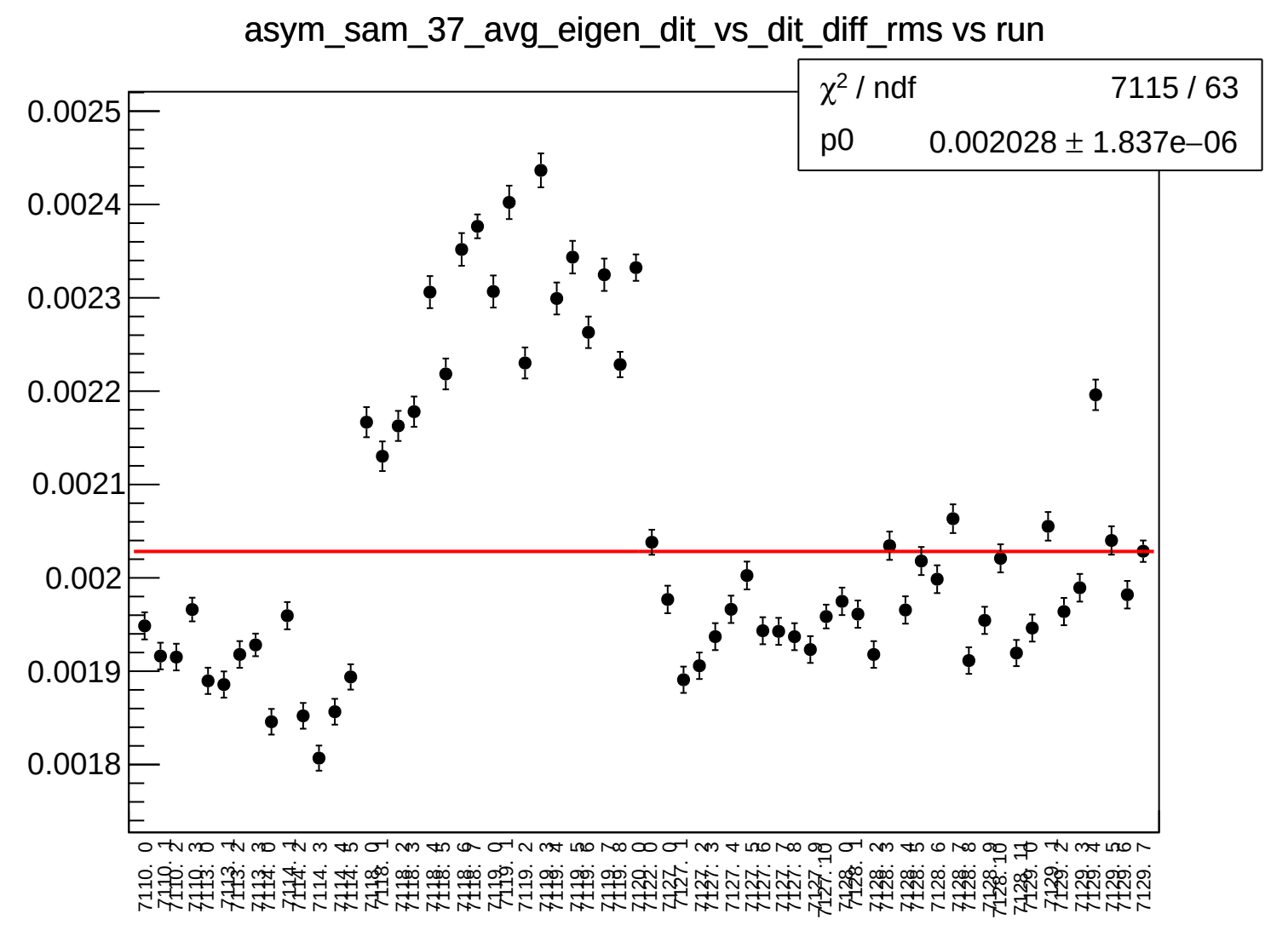

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.852e+04 / 63
p0 76.36 ± 0.07191
250
200
150
100
50

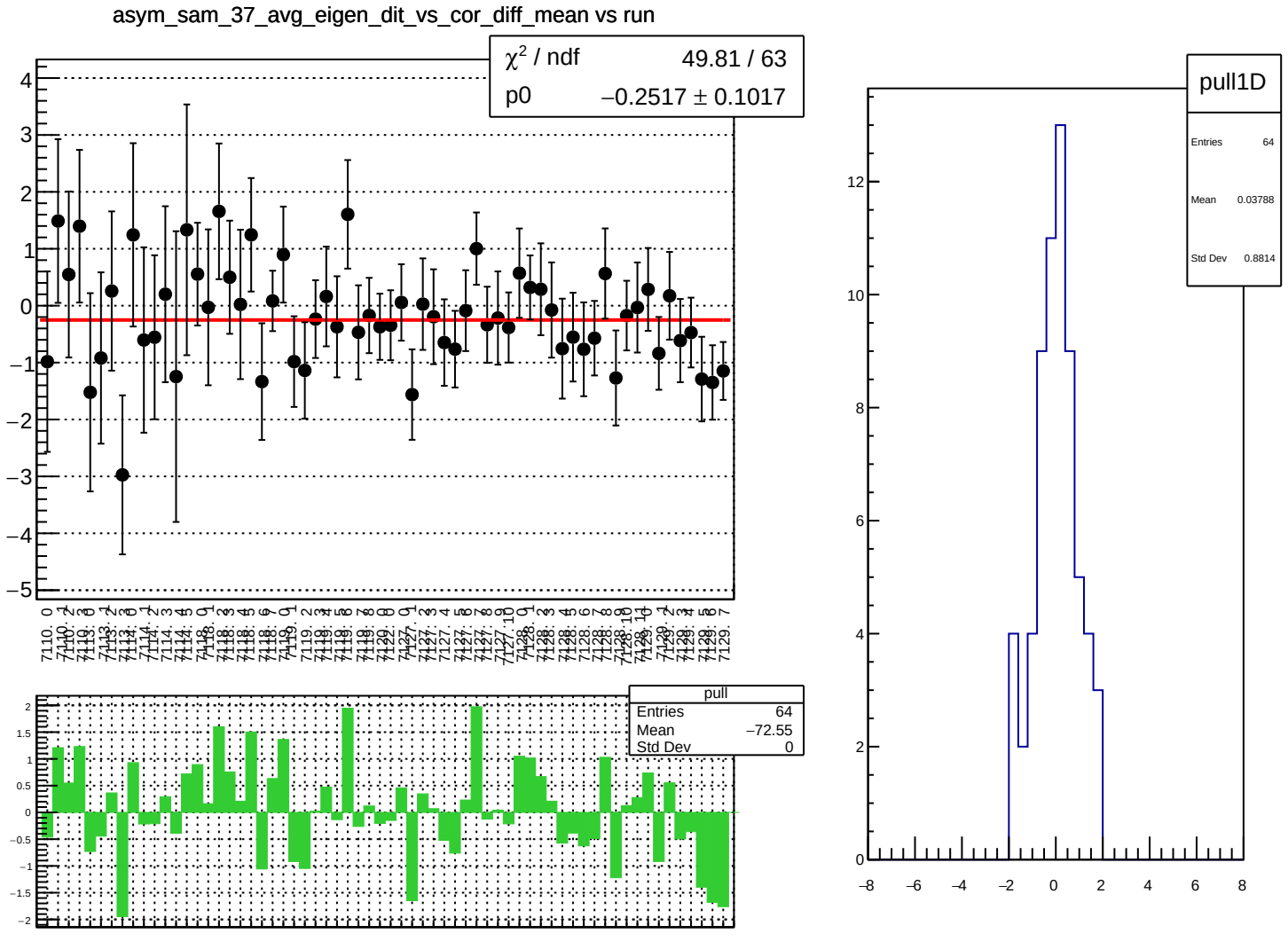

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.81 / 63
p0 −0.2517 ± 0.1017
pull
Entries 64
Mean −72.55
Std Dev 0
pull1D
Entries 64
Mean 0.03788
Std Dev 0.8814

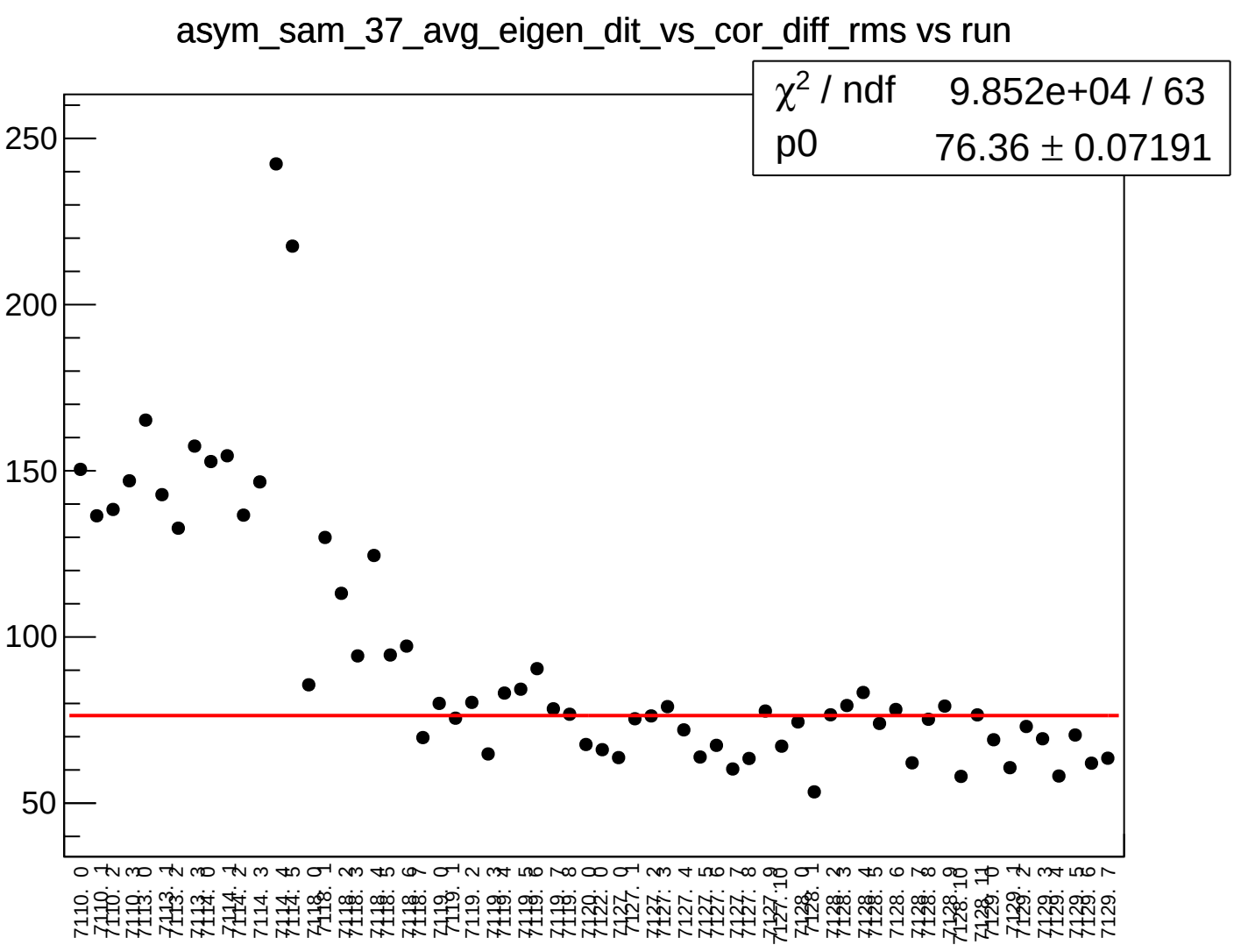

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.852e+04 / 63
p0 76.36 ± 0.07191
250
200
150
100
50

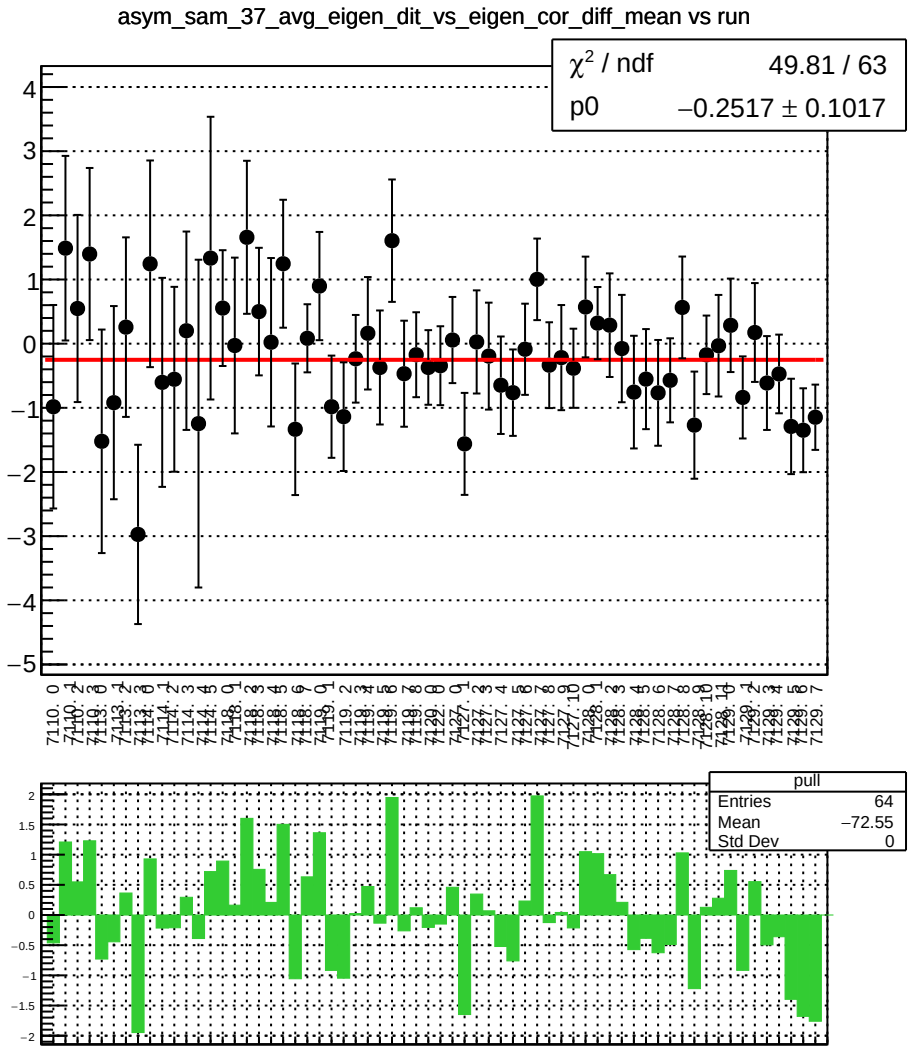

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.7 / 63
p0 2.559e−06 ± 2.598e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 970.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

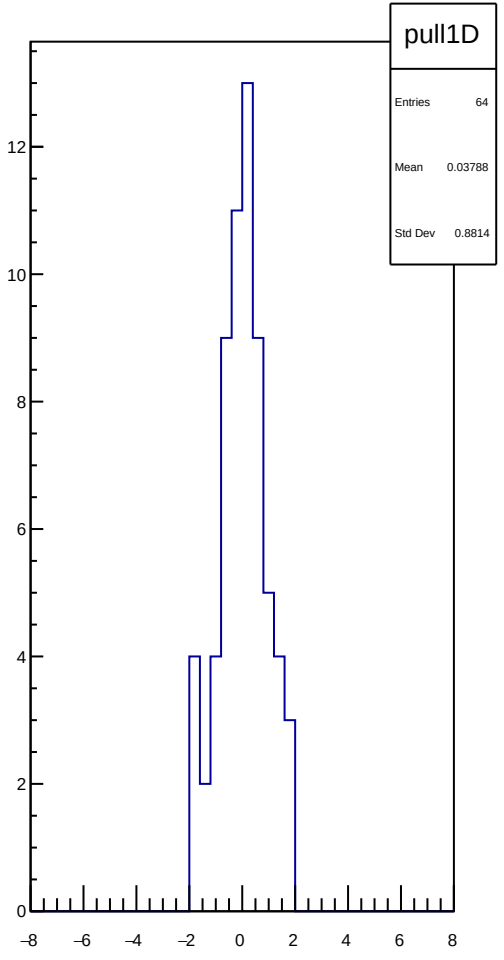

pull1D
Entries 64
Mean 0.004227
Std Dev 0.9074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

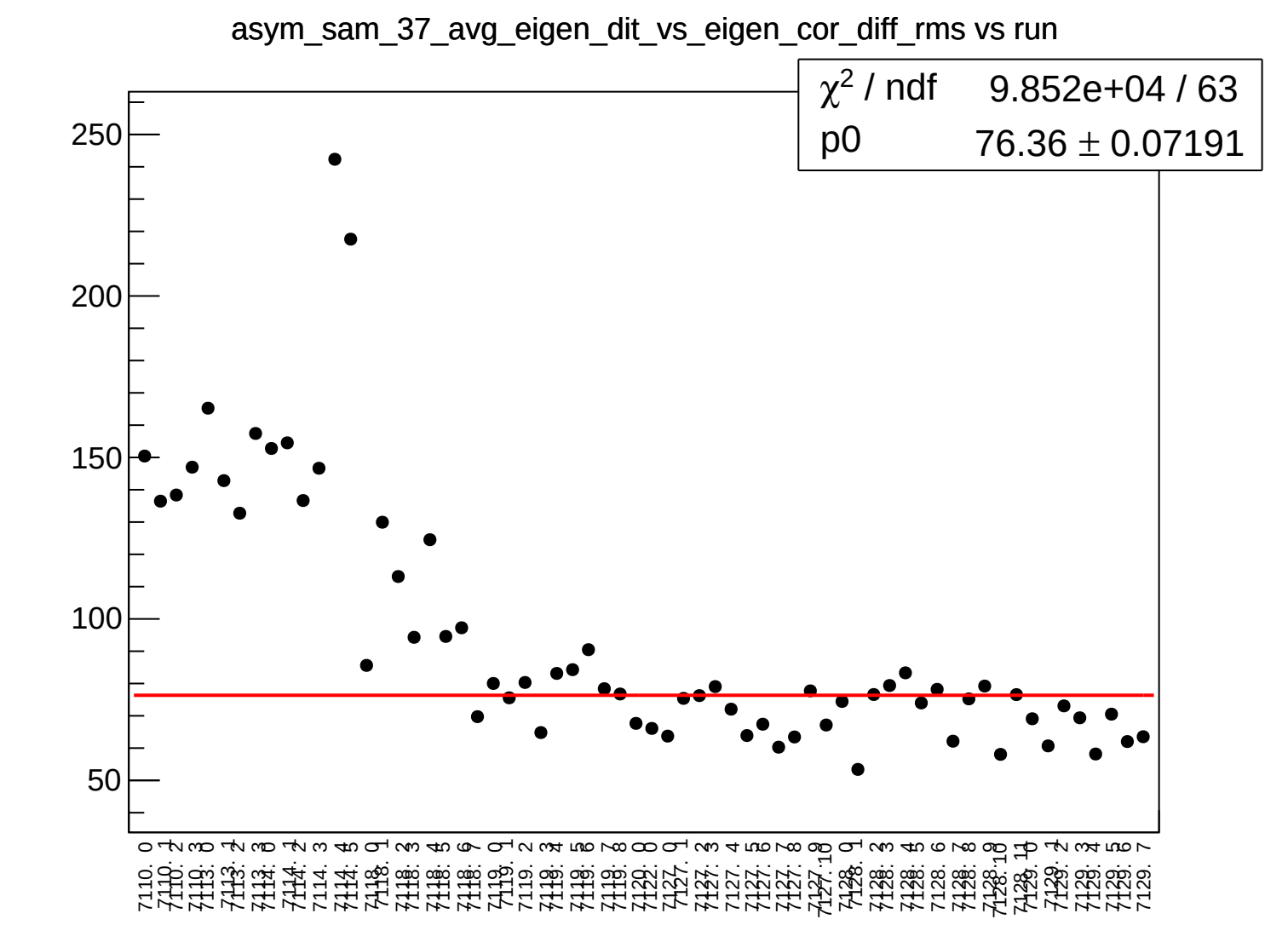

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7115 / 63
p0 0.002028 ± 1.837e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

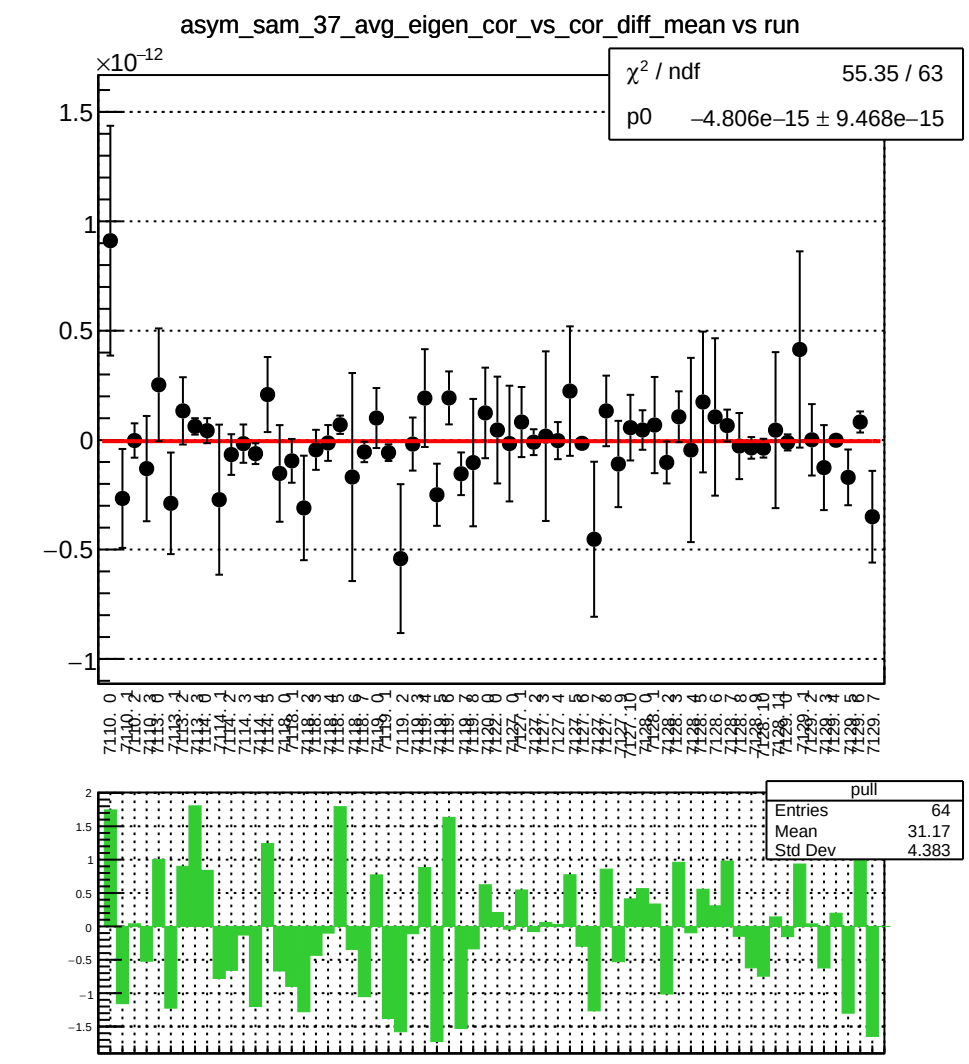

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.81 / 63
p0 −0.2517 ± 0.1017
pull
Entries 64
Mean −72.55
Std Dev 0
pull1D
Entries 64
Mean 0.03788
Std Dev 0.8814

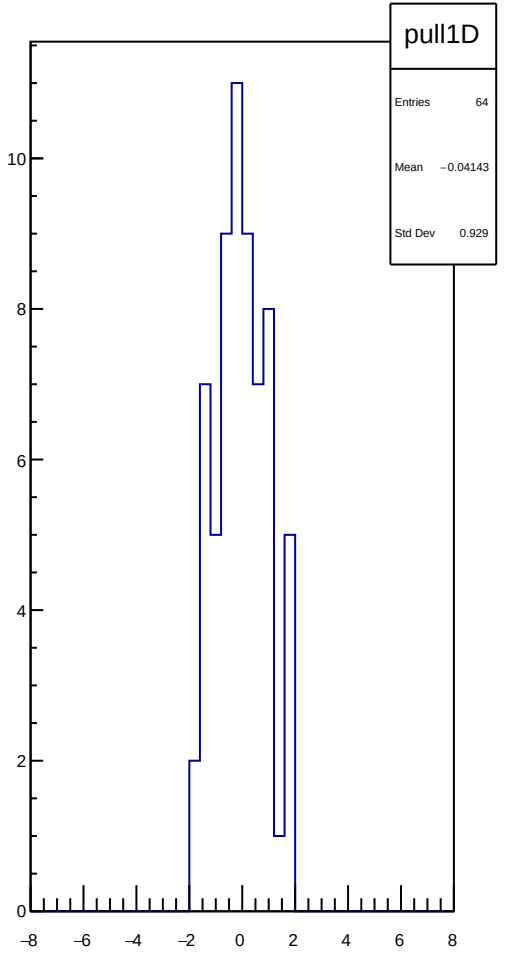

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.852e+04 / 63
p0 76.36 ± 0.07191
250
200
150
100
50

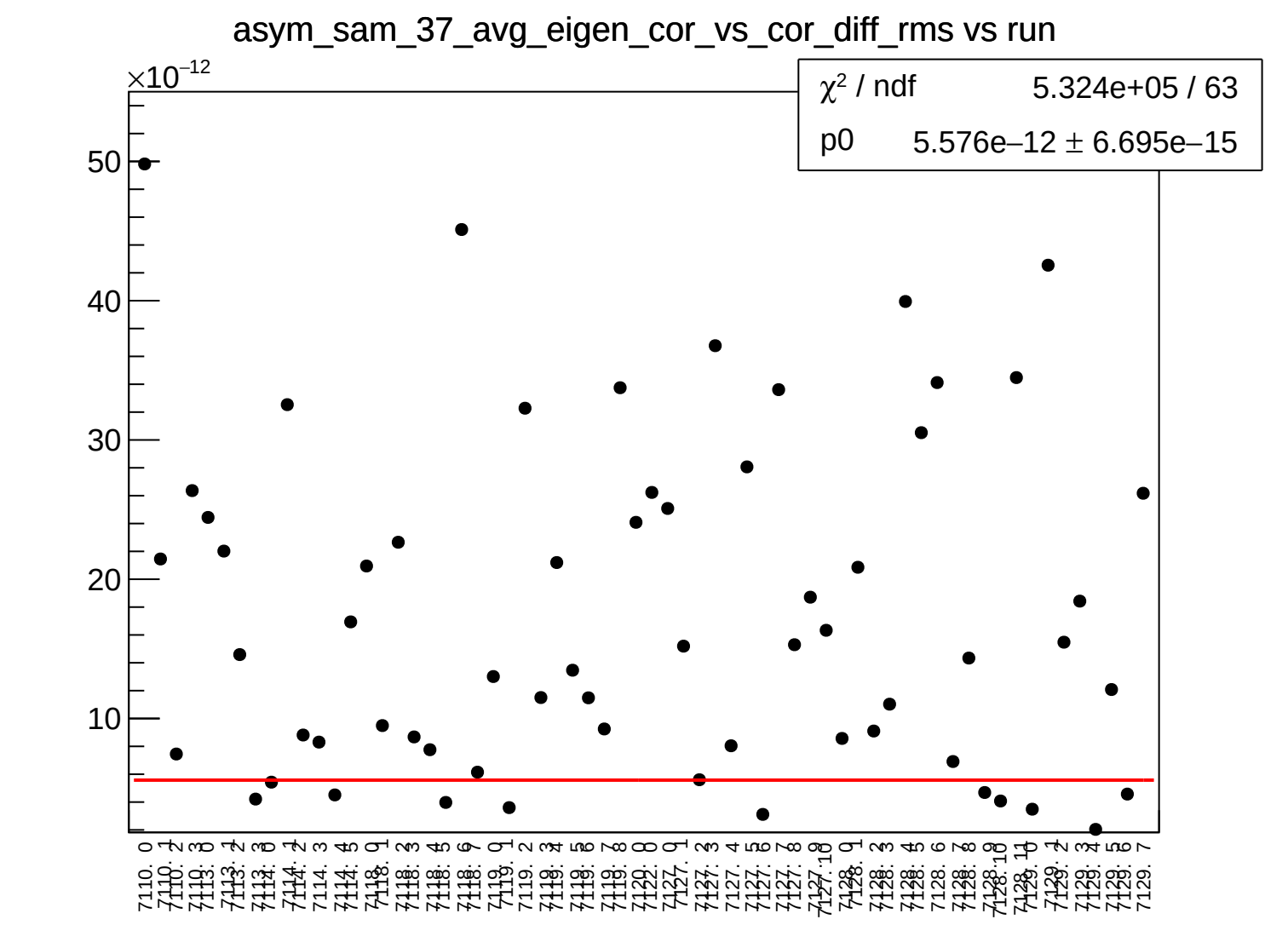

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.81 / 63
p0 −0.2517 ± 0.1017
pull
Entries 64
Mean −72.55
Std Dev 0

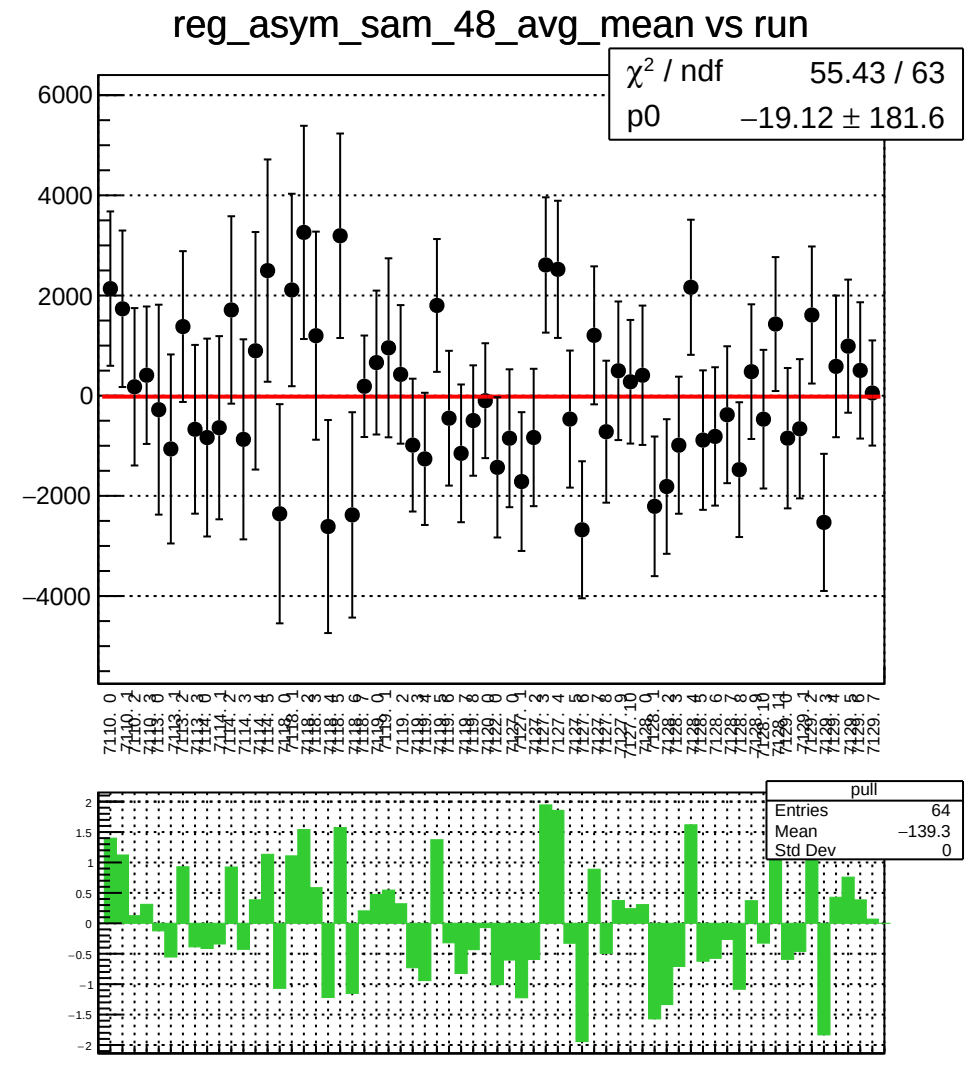

pull1D
Entries 64
Mean 0.03788
Std Dev 0.8814

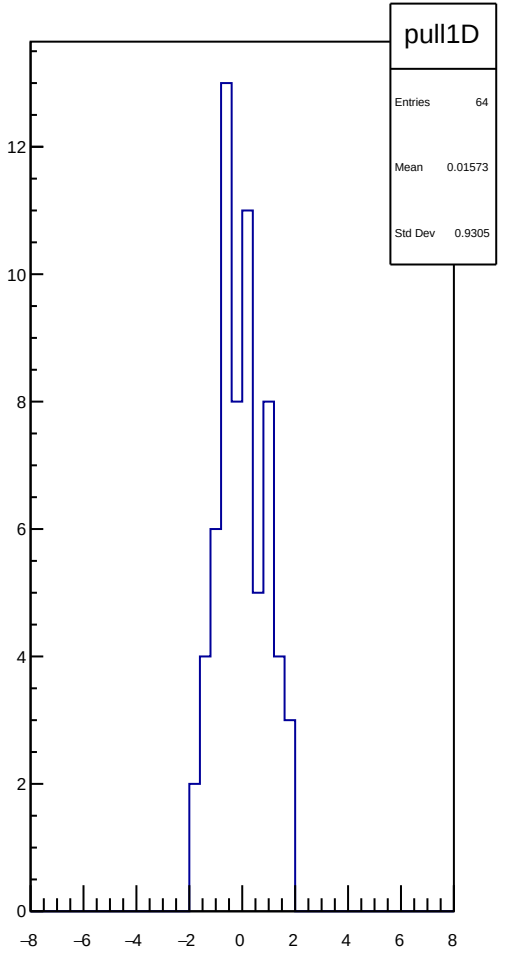

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.852e+04 / 63
p0 76.36 ± 0.07191
250
200
150
100
50

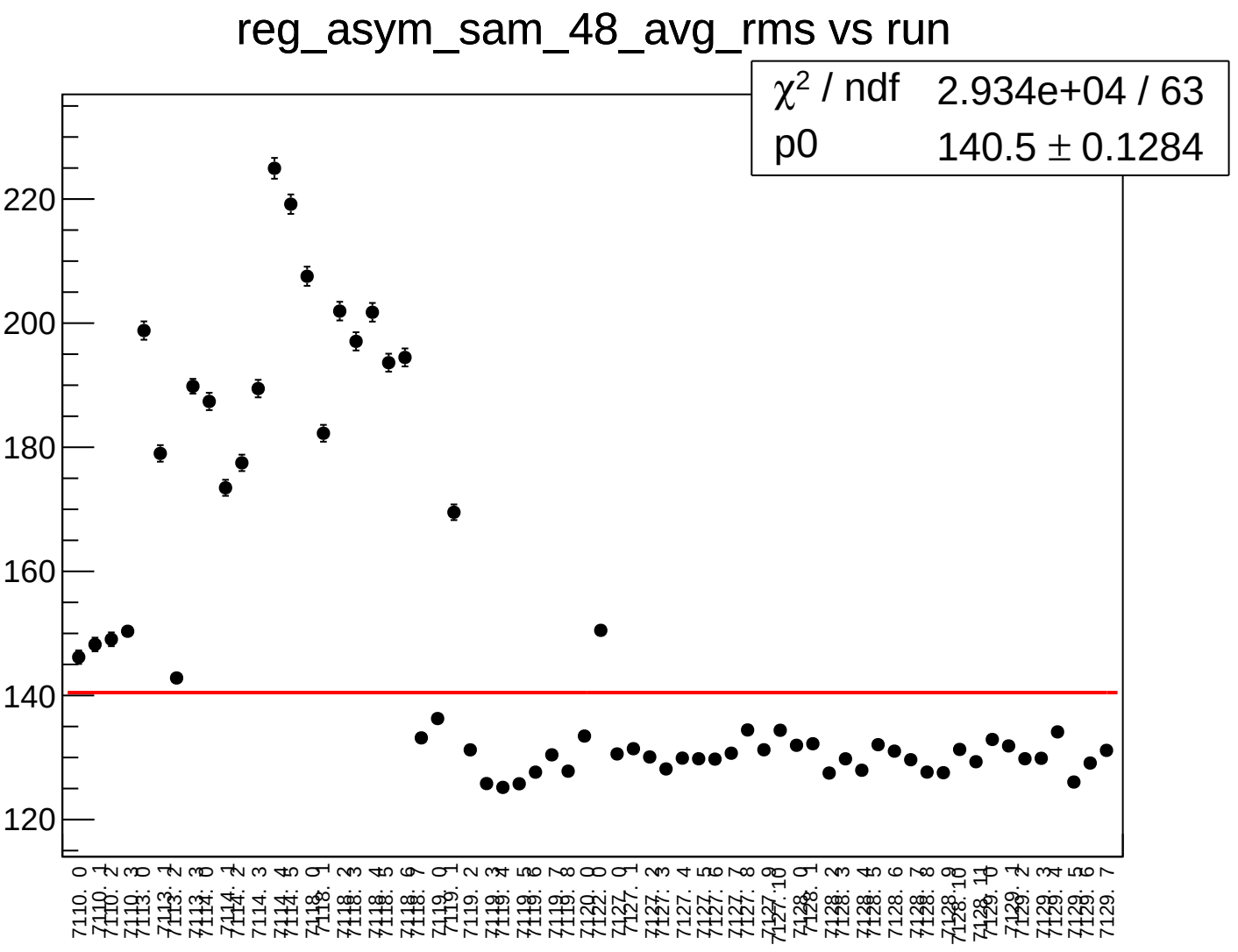

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.35 / 63
p0 −4.806e−15 ± 9.468e−15
pull
Entries 64
Mean 31.17
Std Dev 4.383

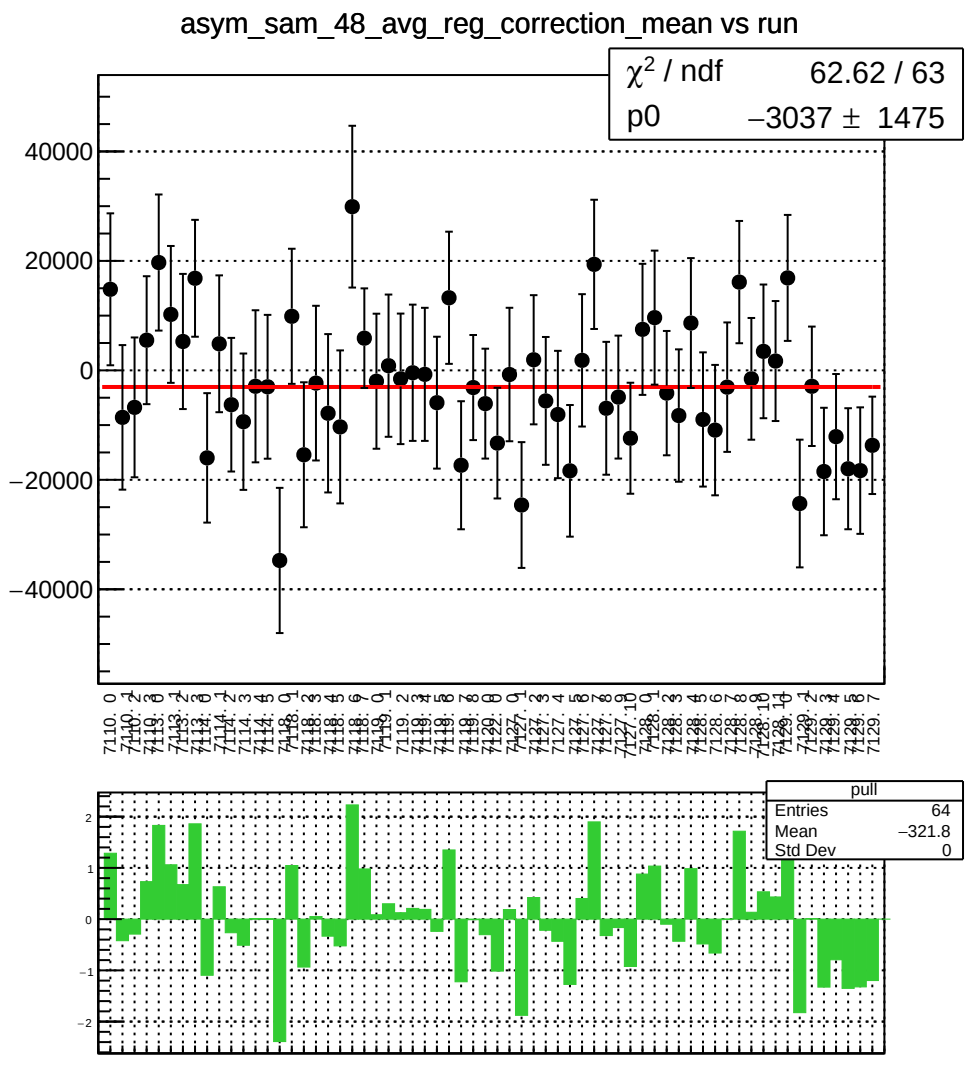

pull1D
Entries 64
Mean −0.04143
Std Dev 0.929

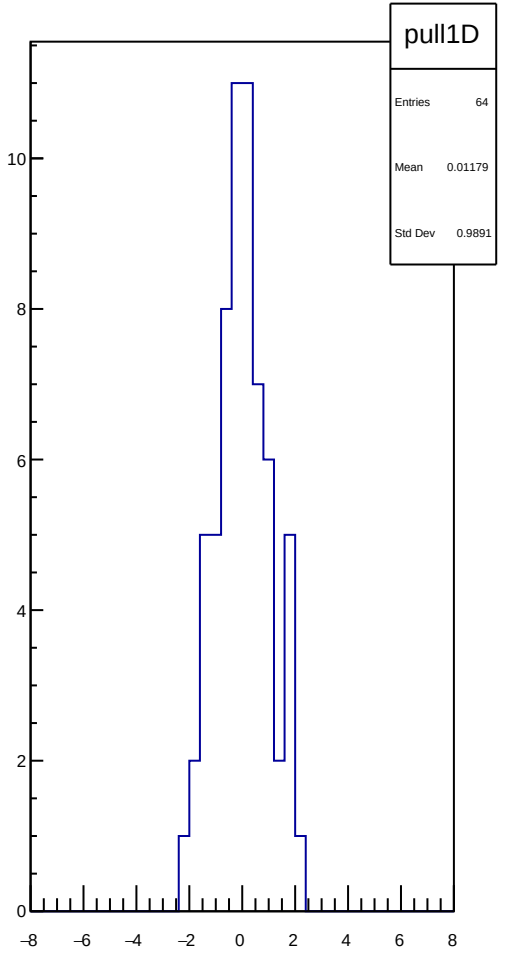

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.324e+05 / 63
p0 5.576e−12 ± 6.695e−15
50
40
30
20
10

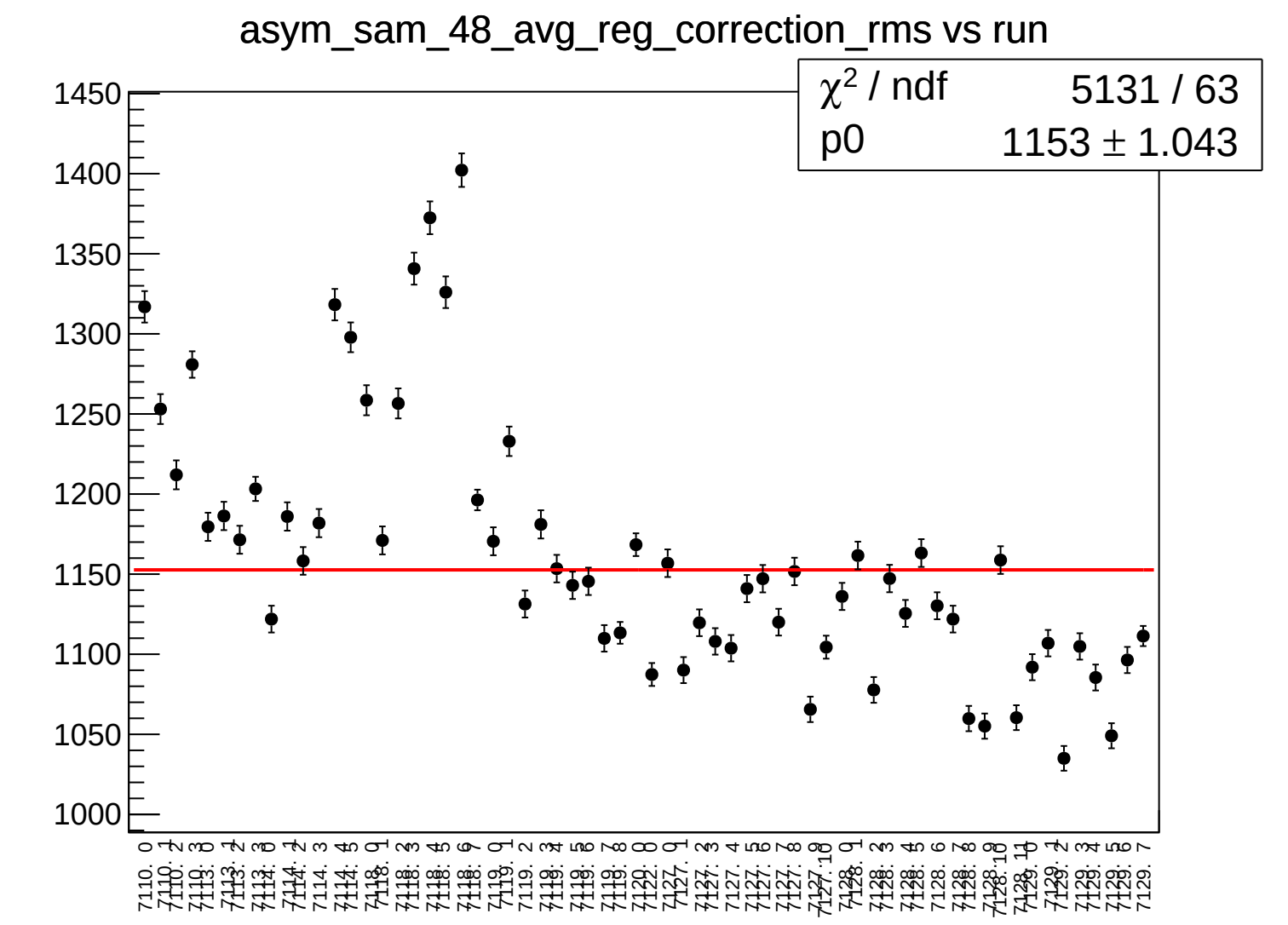

reg_asym_sam_48_avg_mean vs run
χ² / ndf 55.43 / 63
p0 −19.12 ± 181.6
pull
Entries 64
Mean −139.3
Std Dev 0

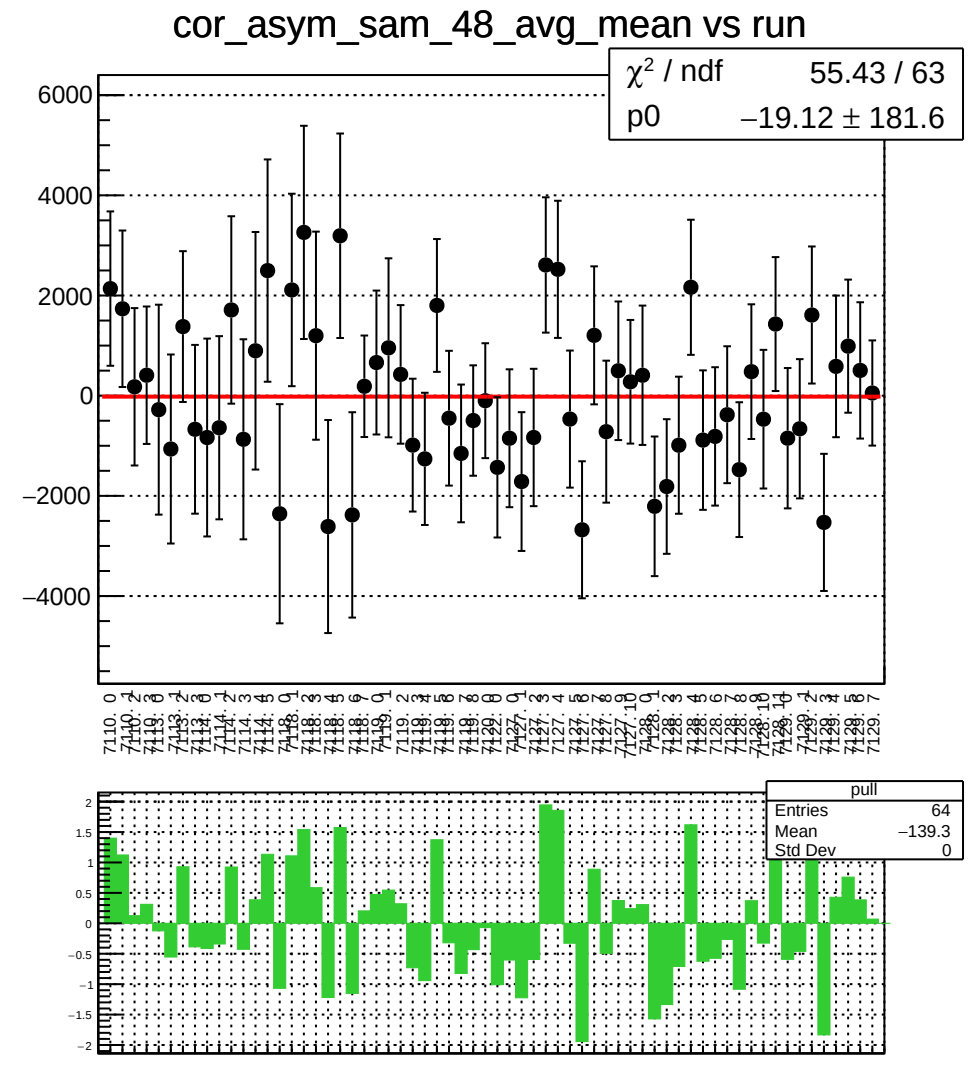

pull1D
Entries 64
Mean 0.01573
Std Dev 0.9305

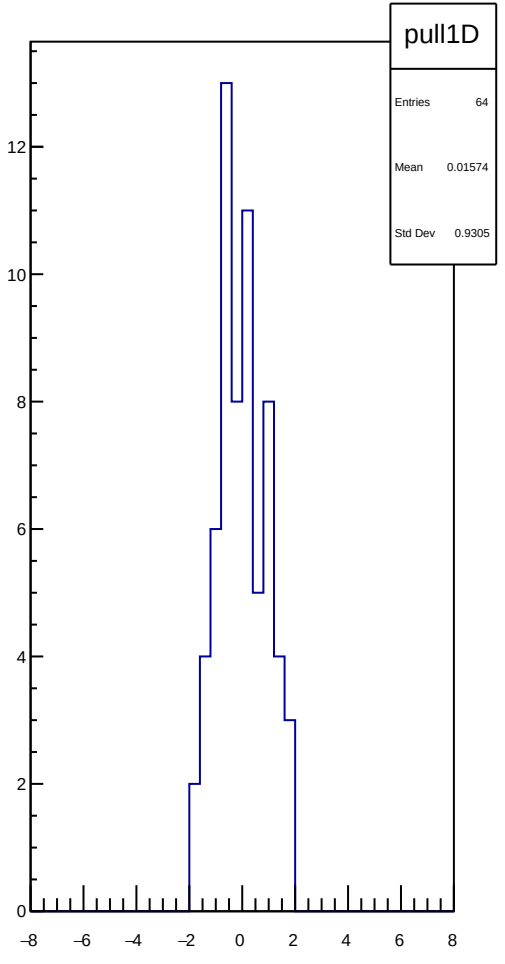

reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.934e+04 / 63
p0 140.5 ± 0.1284
220
200
180
160
140
120

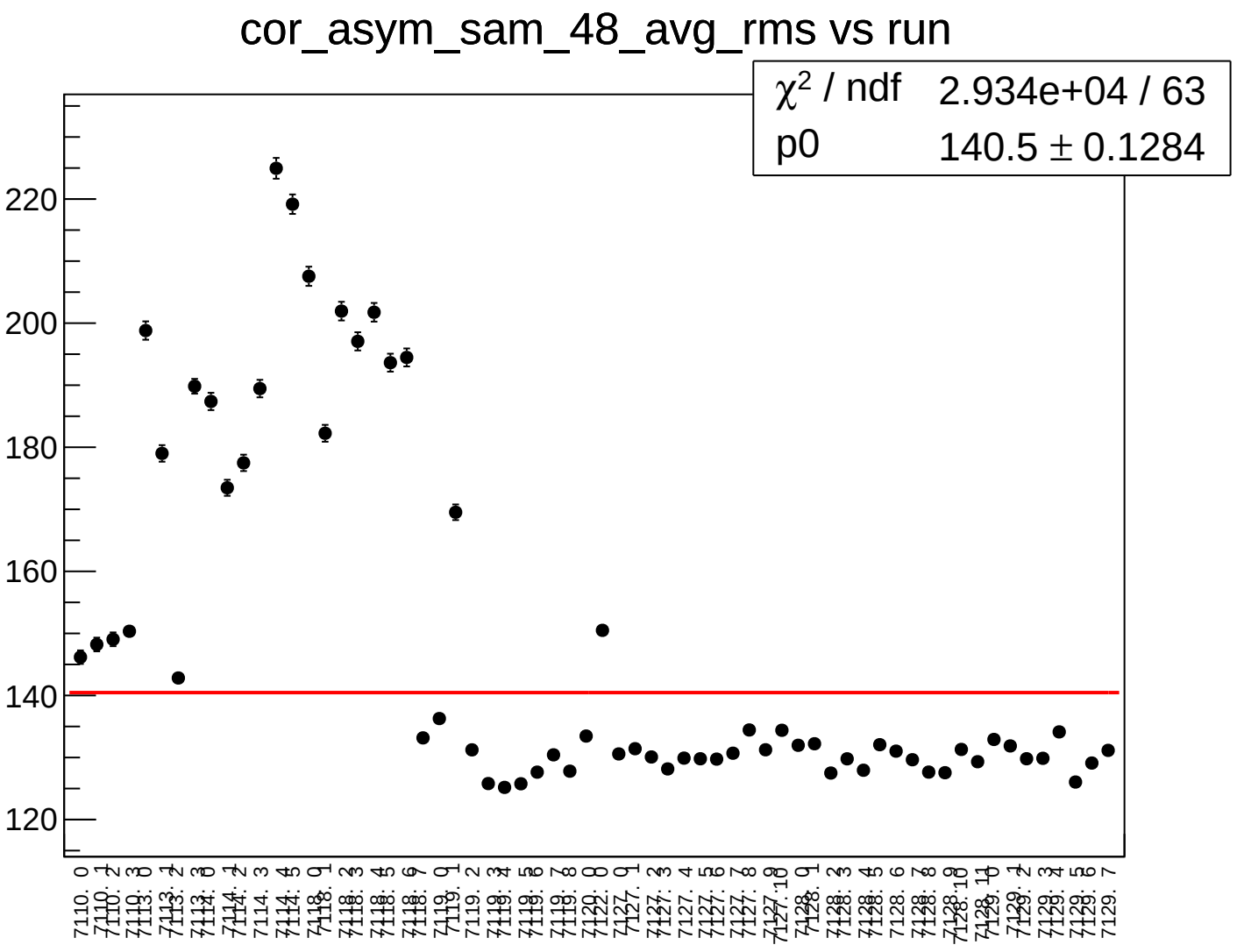

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 62.62 / 63
p0 −3037 ± 1475
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −321.8
Std Dev 0
2
1
0
−1
−2

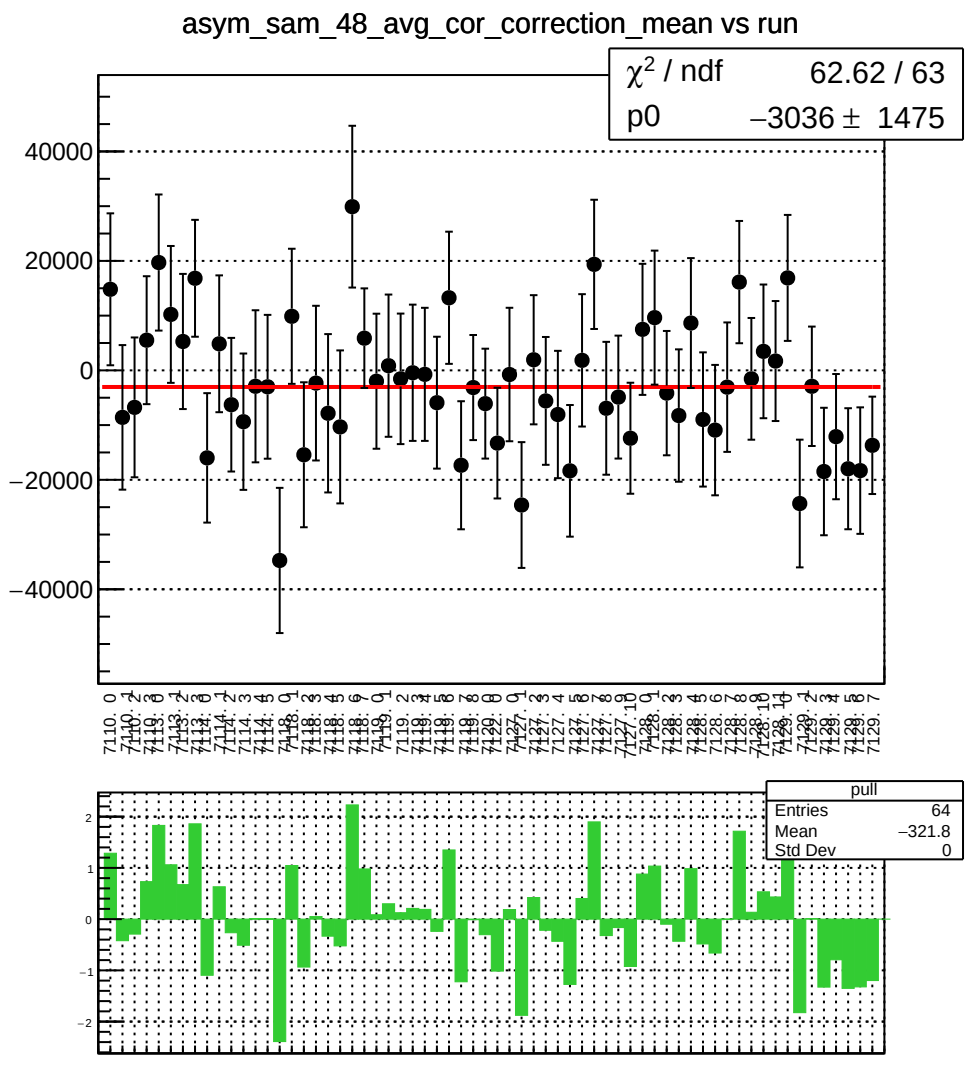

pull1D
Entries 64
Mean 0.01179
Std Dev 0.9891
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

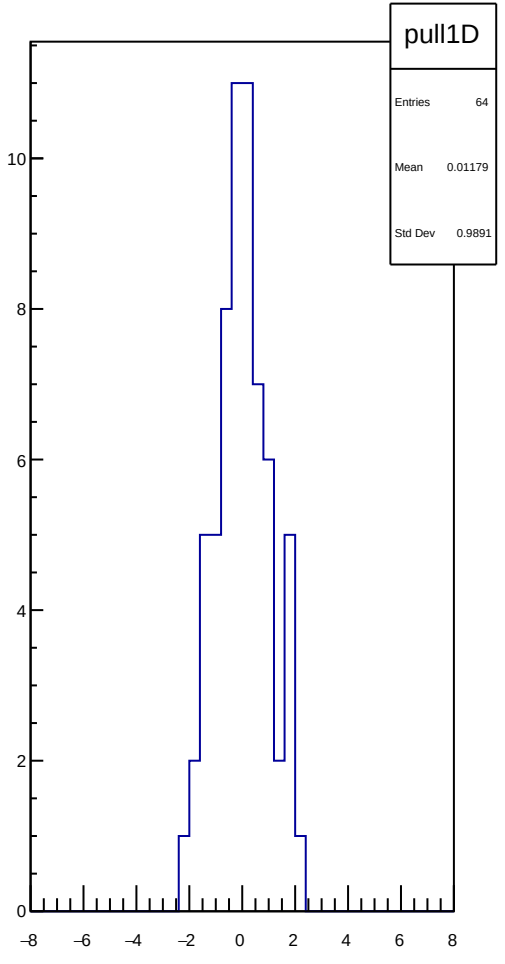

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 5131 / 63
p0 1153 ± 1.043
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

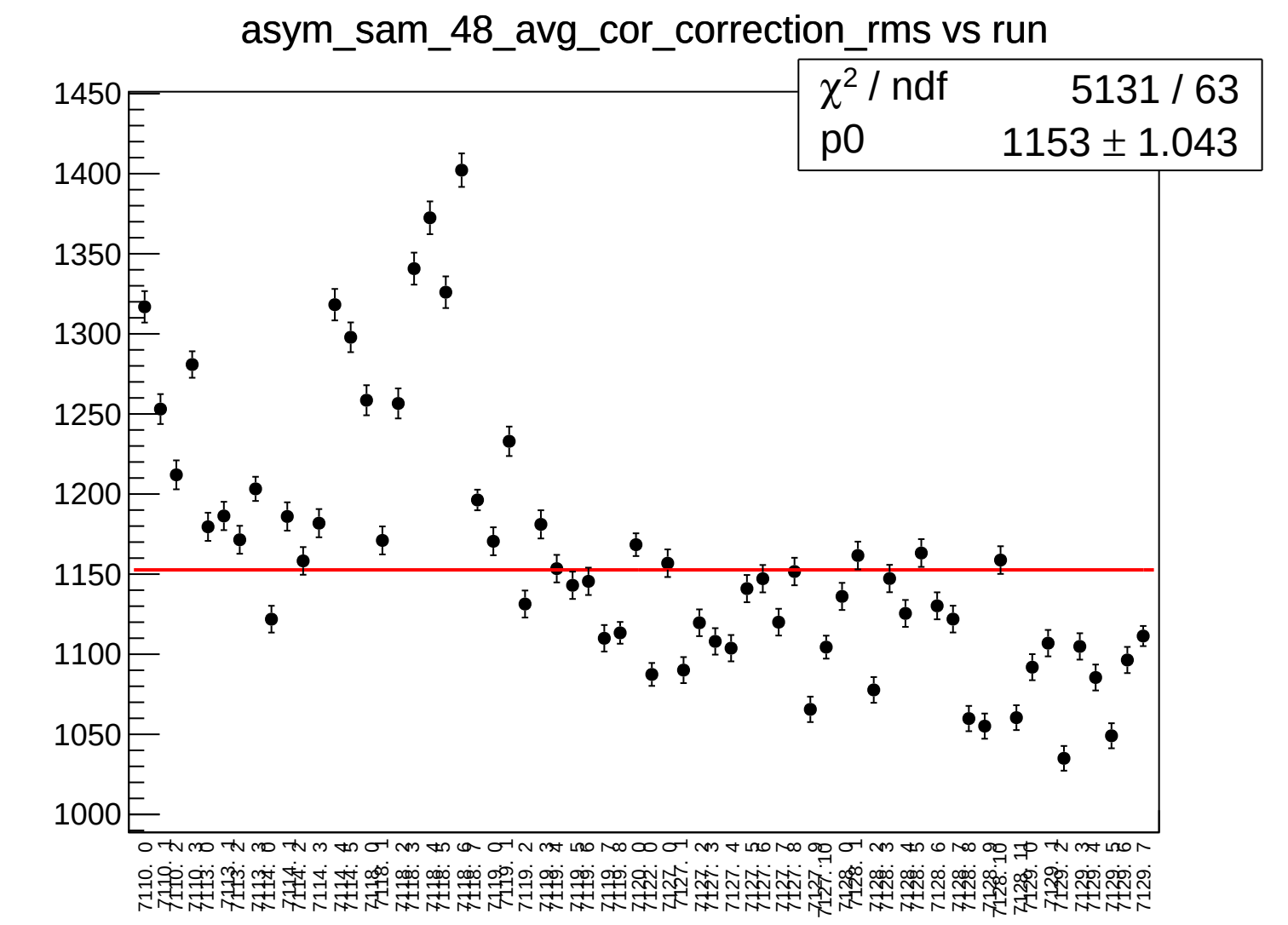

cor_asym_sam_48_avg_mean vs run
χ² / ndf 55.43 / 63
p0 −19.12 ± 181.6
pull
Entries 64
Mean −139.3
Std Dev 0

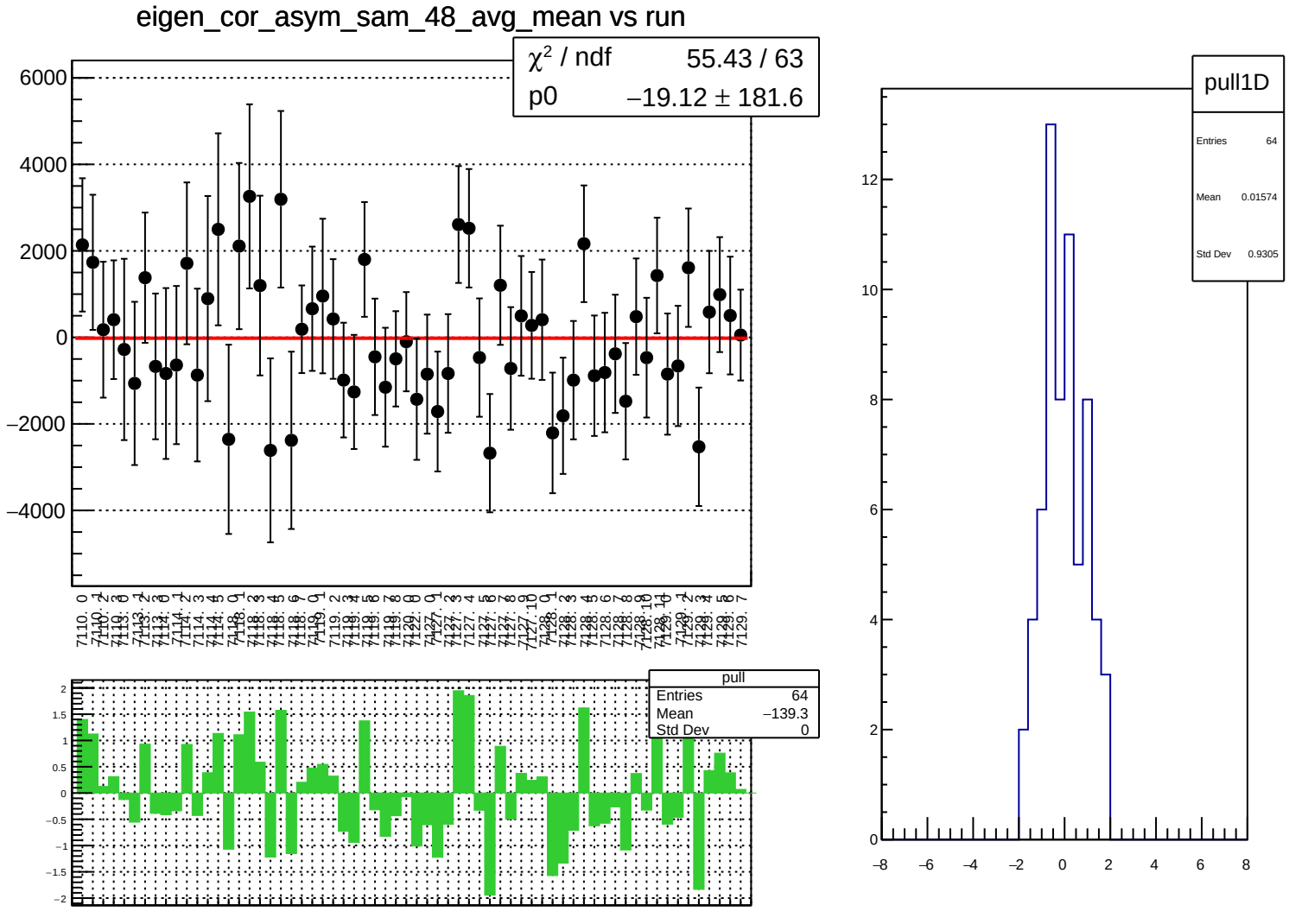

pull1D
Entries 64
Mean 0.01574
Std Dev 0.9305

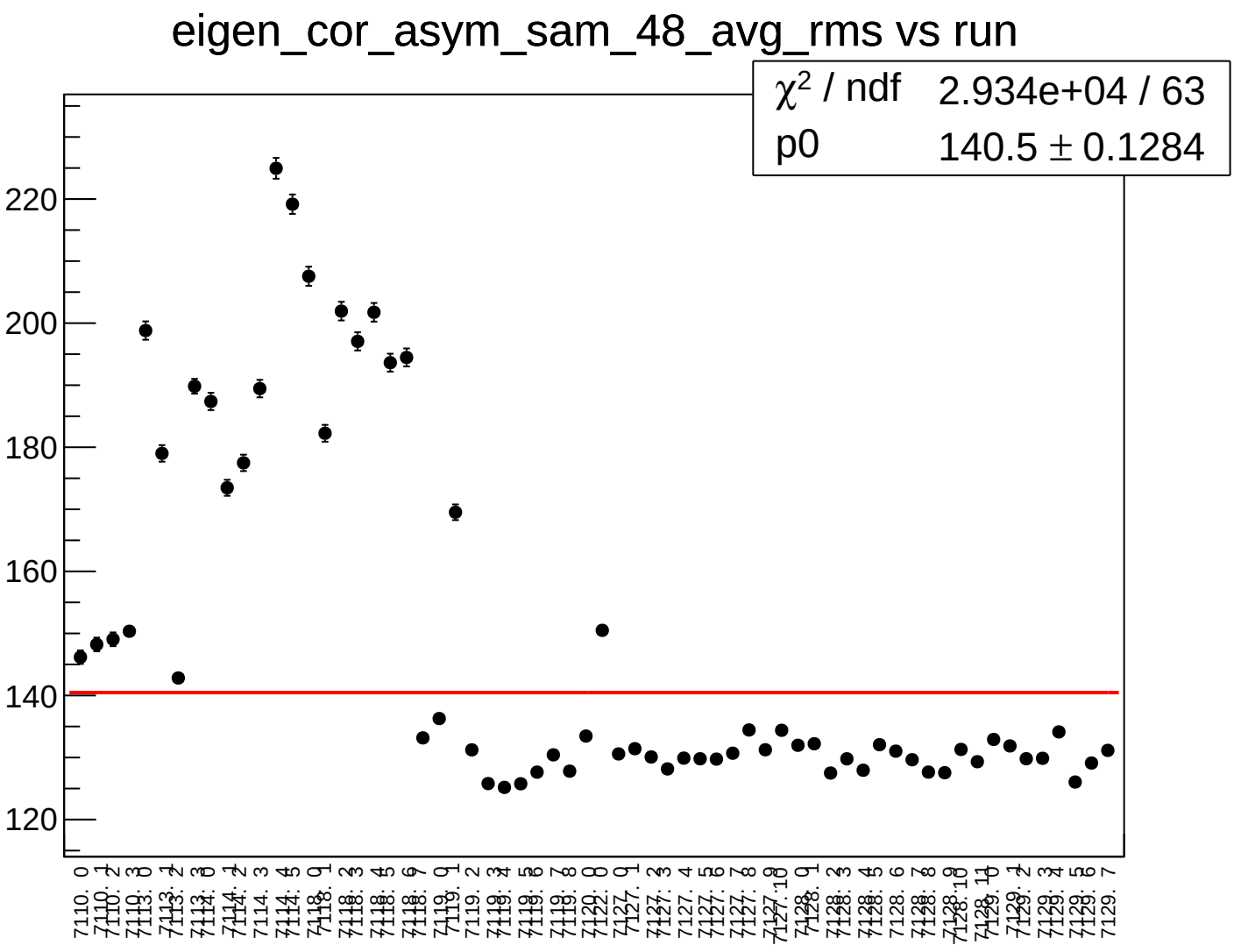

cor_asym_sam_48_avg_rms vs run
χ² / ndf 2.934e+04 / 63
p0 140.5 ± 0.1284
220
200
180
160
140
120

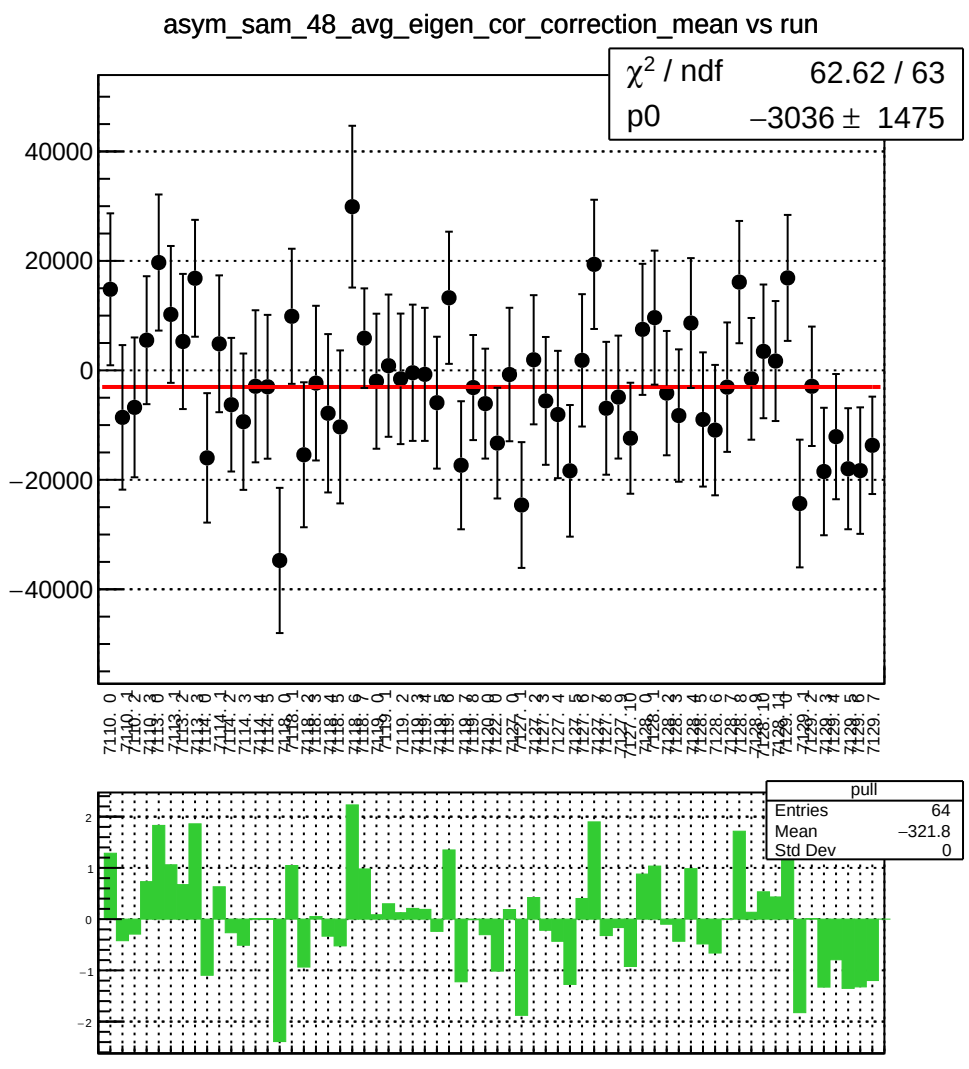

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 62.62 / 63
p0 −3036 ± 1475
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −321.8
Std Dev 0
2
1
0
−1
−2

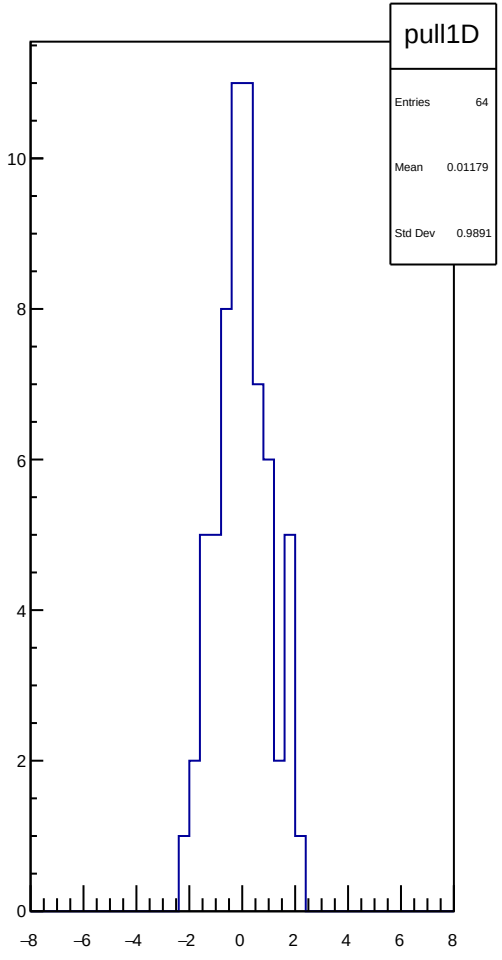

pull1D
Entries 64
Mean 0.01179
Std Dev 0.9891
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

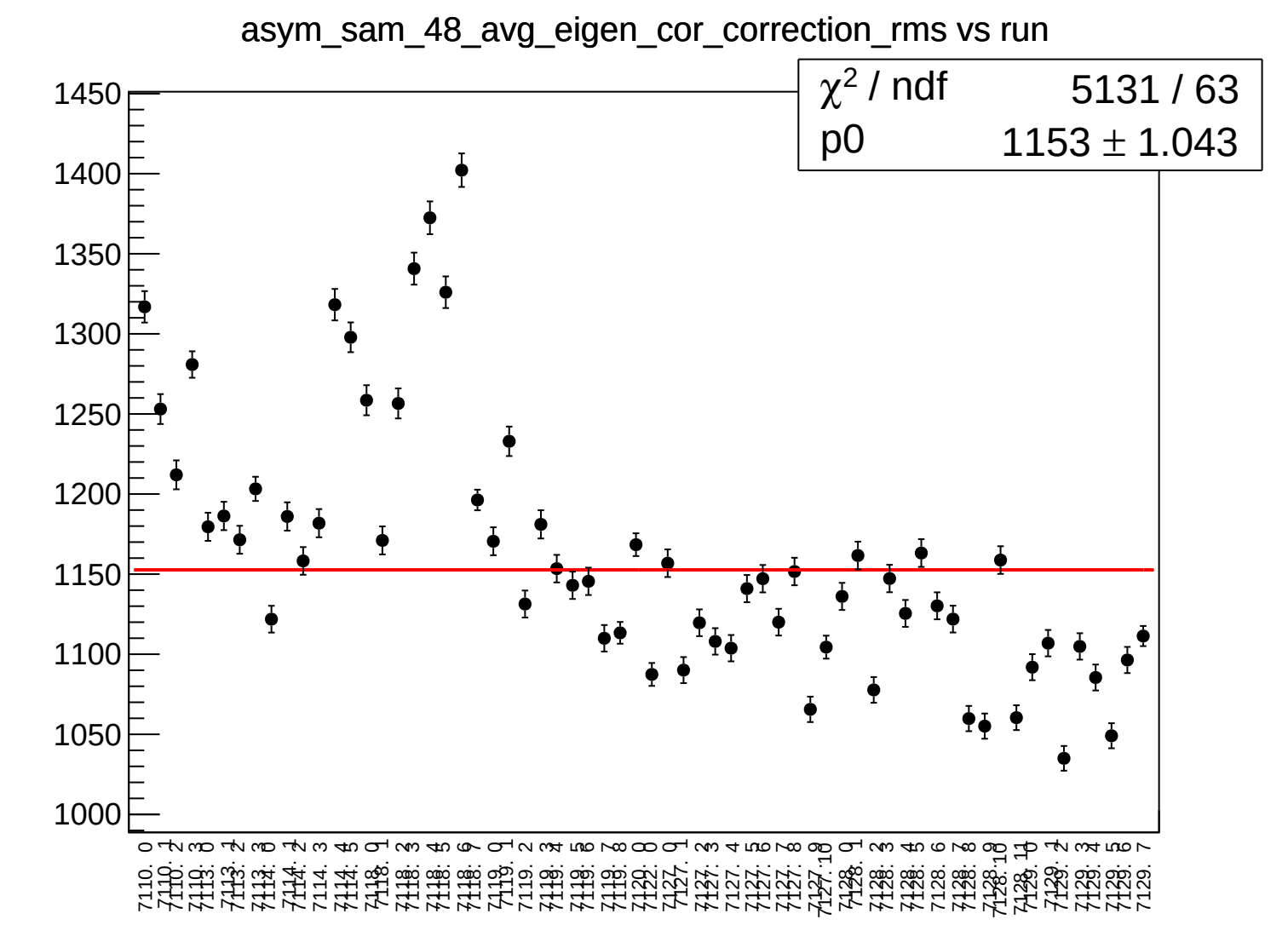

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 5131 / 63
p0 1153 ± 1.043
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

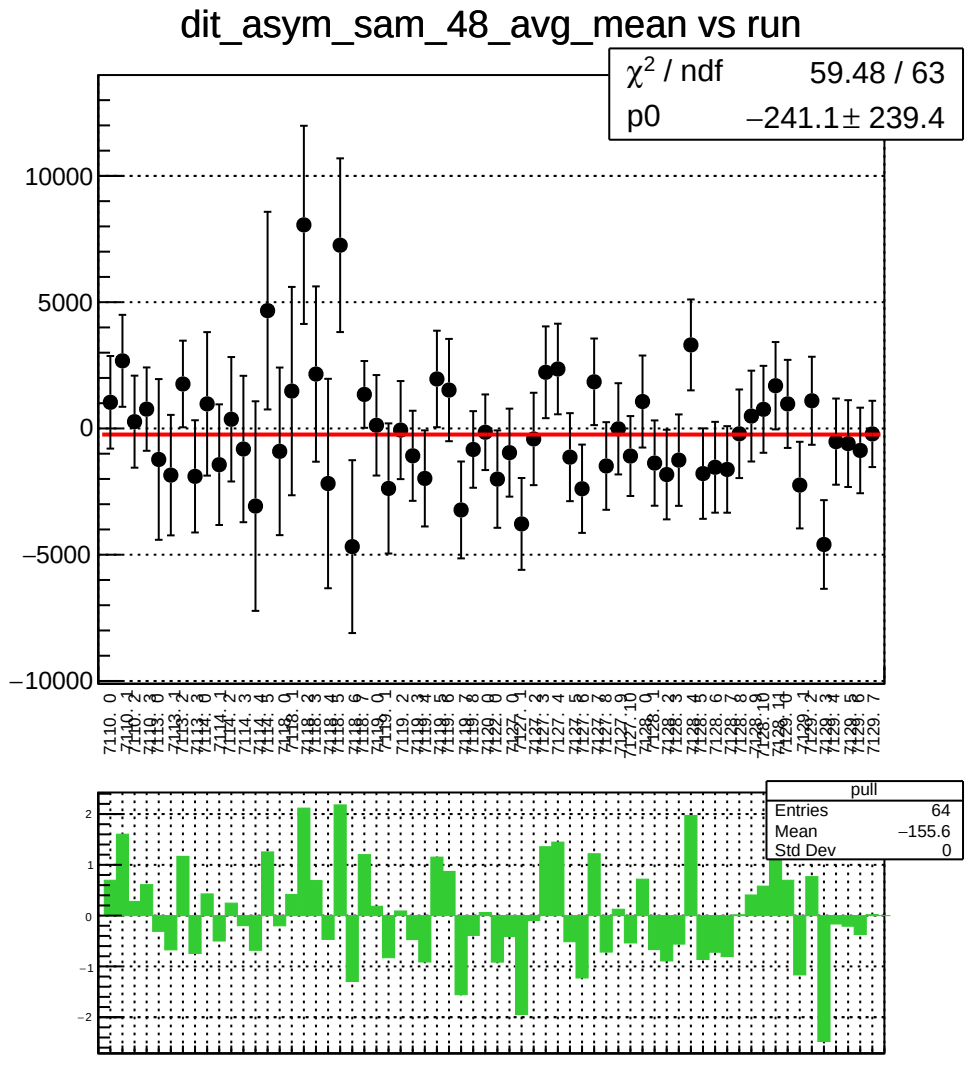

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 55.43 / 63
p0 −19.12 ± 181.6
pull
Entries 64
Mean −139.3
Std Dev 0
pull1D
Entries 64
Mean 0.01574
Std Dev 0.9305

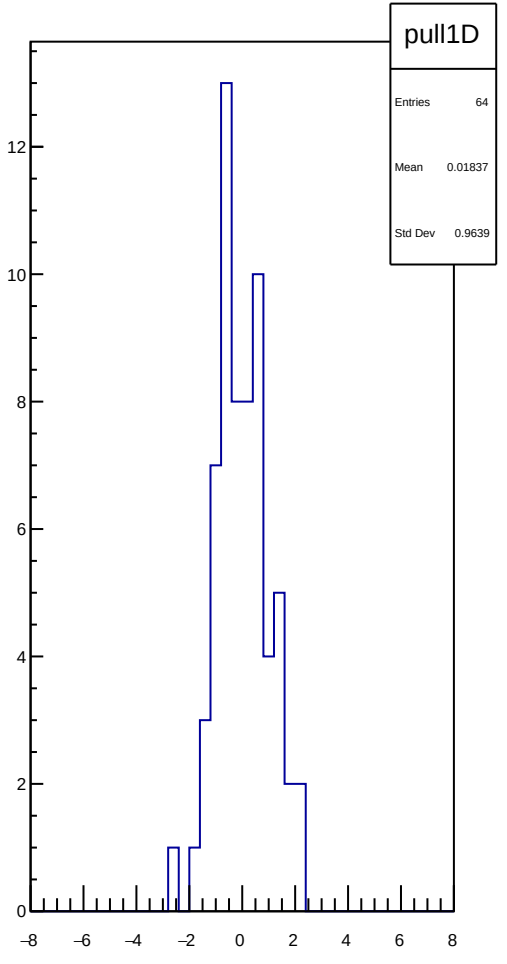

eigen_cor_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.934e+04 / 63
p0 140.5 ± 0.1284
220
200
180
160
140
120

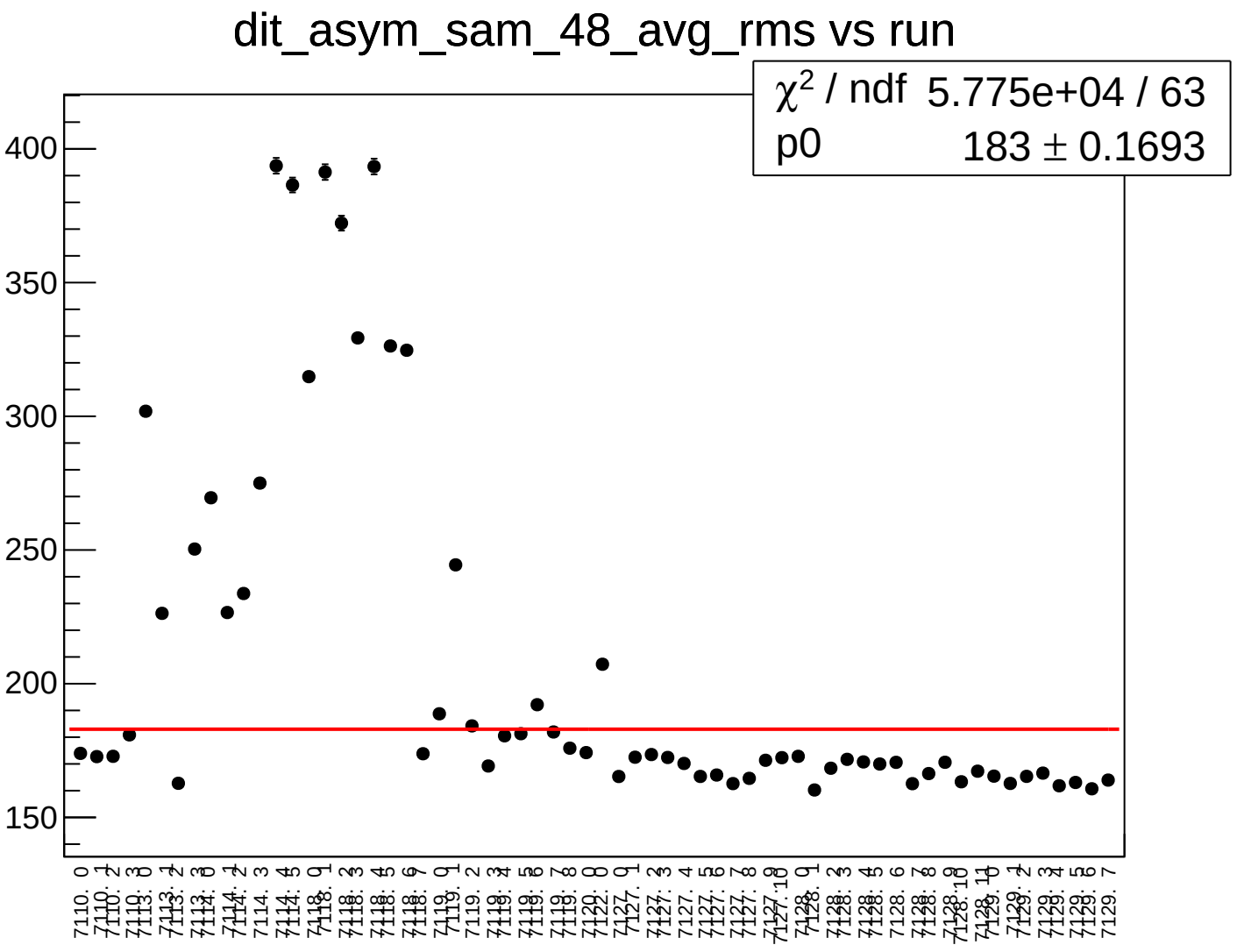

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.62 / 63
p0 −3036 ± 1475
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −321.8
Std Dev 0
2
1
0
−1
−2

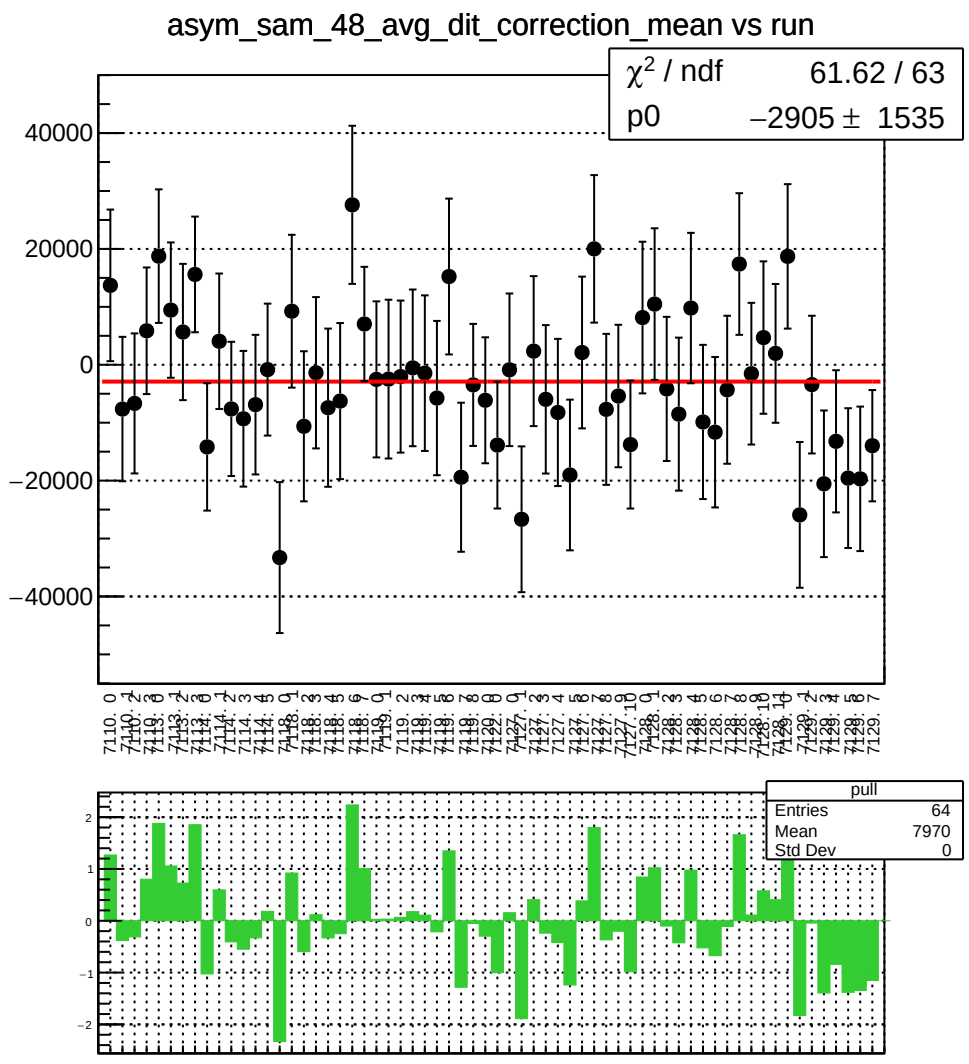

pull1D
Entries 64
Mean 0.01179
Std Dev 0.9891
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

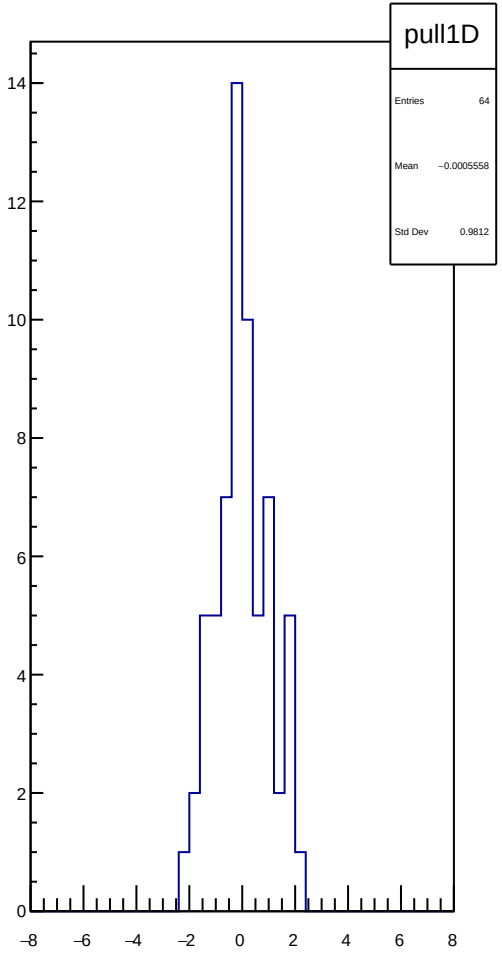

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 5131 / 63
p0 1153 ± 1.043
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

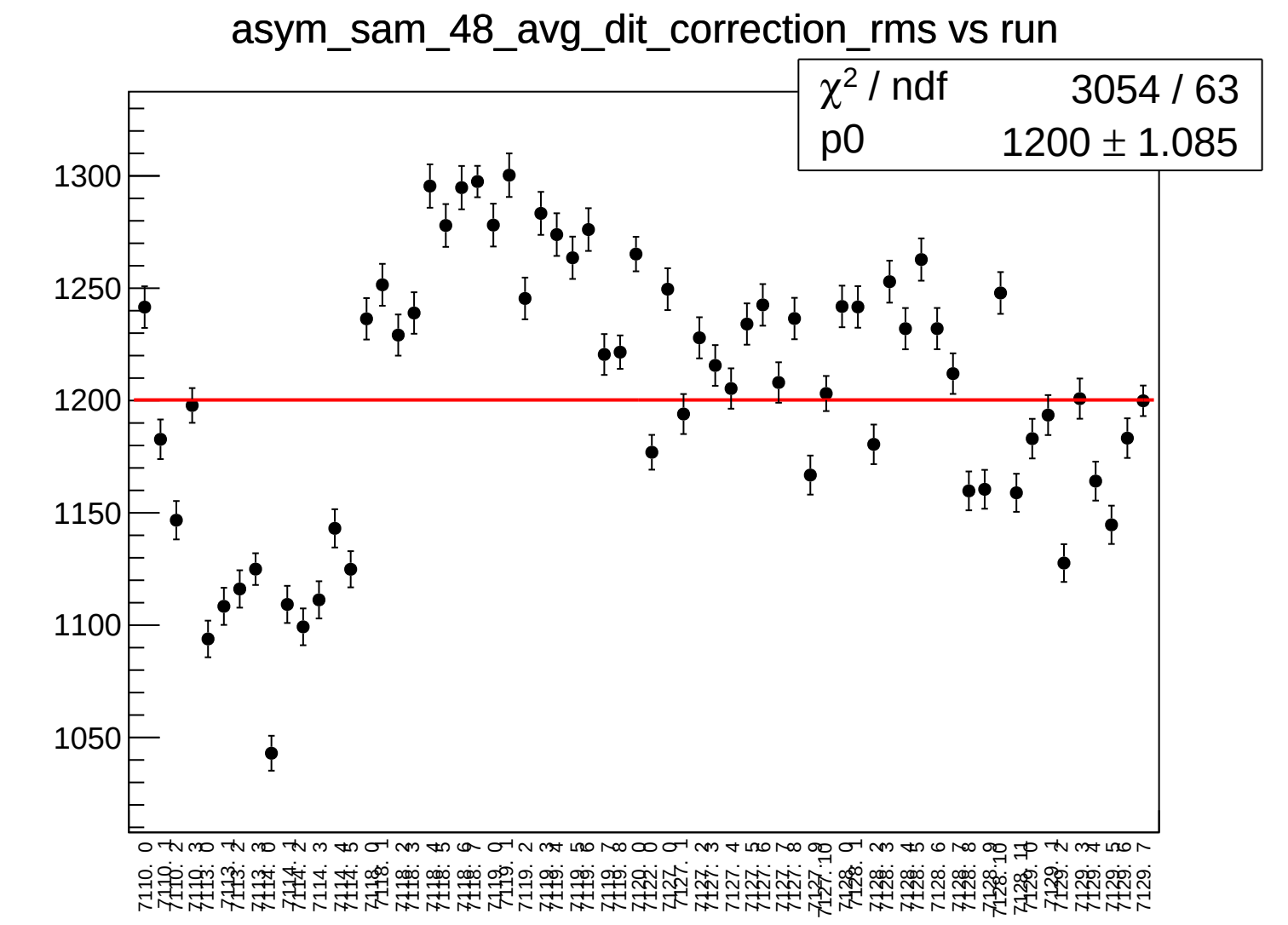

dit_asym_sam_48_avg_mean vs run
χ² / ndf 59.48 / 63
p0 −241.1± 239.4
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −155.6
Std Dev 0
2
1
0
−1
−2

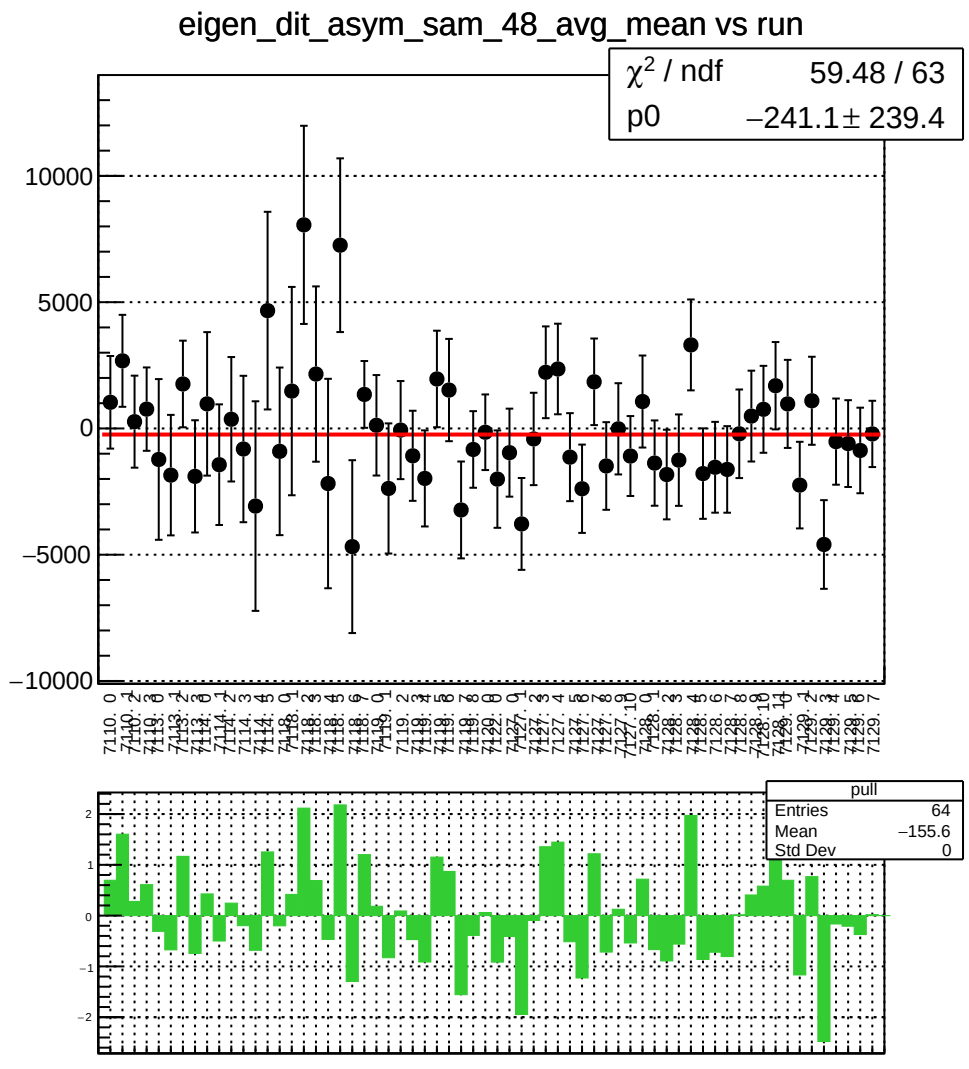

pull1D
Entries 64
Mean 0.01837
Std Dev 0.9639
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

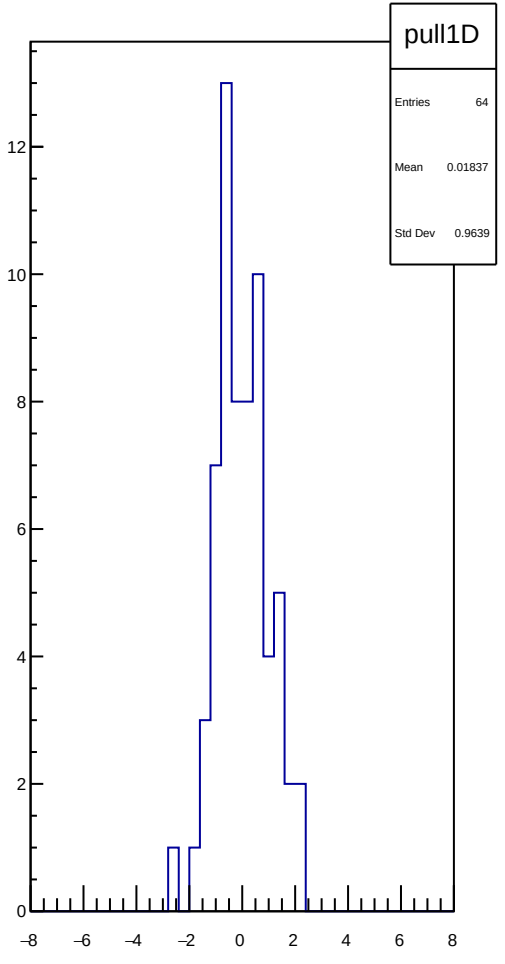

dit_asym_sam_48_avg_rms vs run
χ² / ndf 5.775e+04 / 63
p0 183 ± 0.1693
400
350
300
250
200
150

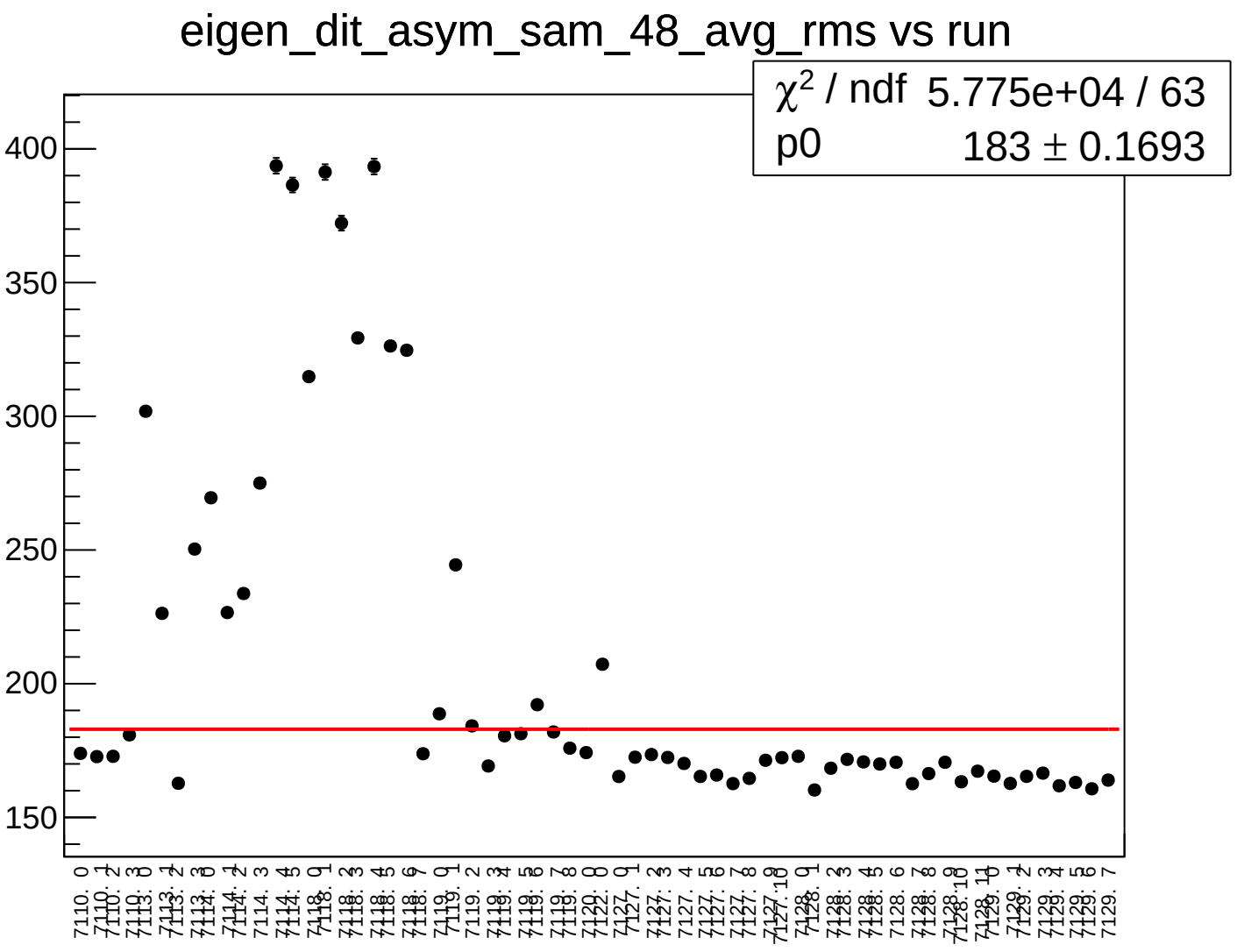

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 61.62 / 63
p0 −2905 ± 1535
40000
20000
0
−20000
−40000
pull
Entries 64
Mean 7970
Std Dev 0
2
1
0
−1
−2

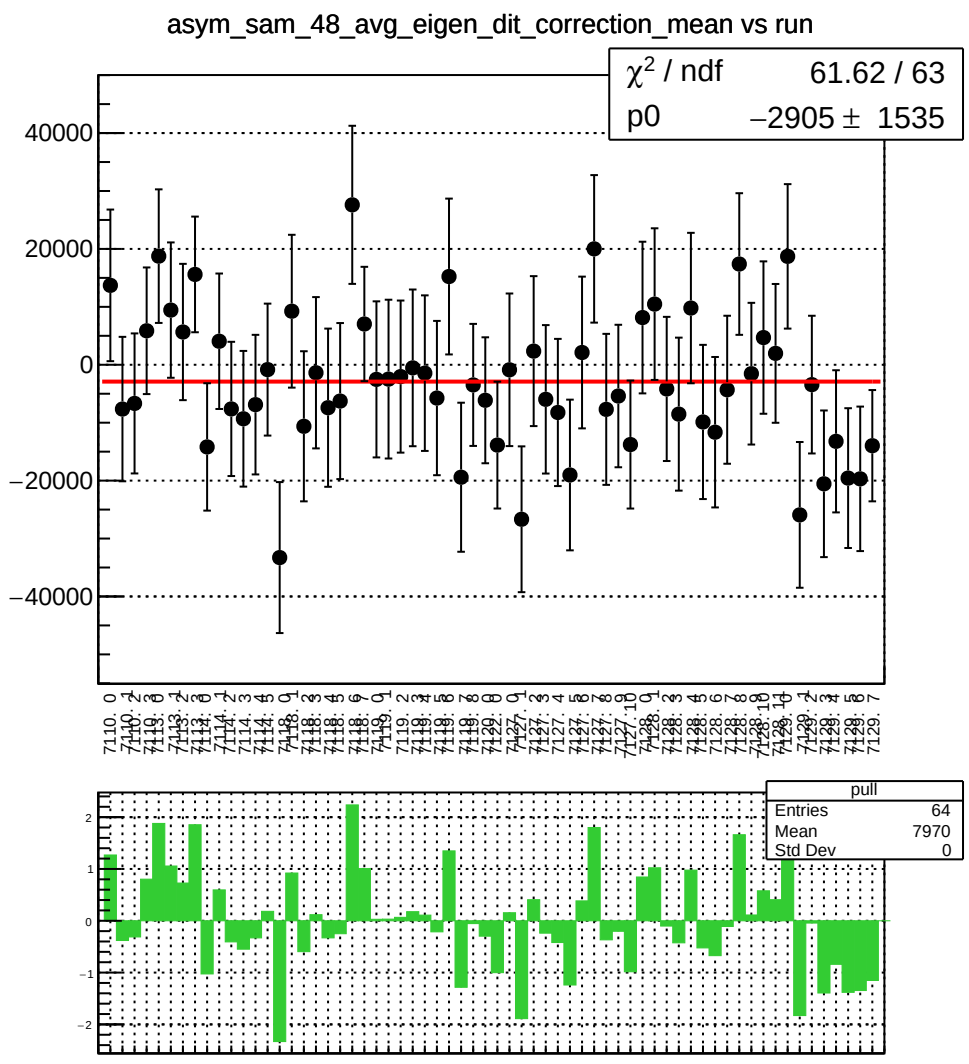

pull1D
Entries 64
Mean −0.0005558
Std Dev 0.9812
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

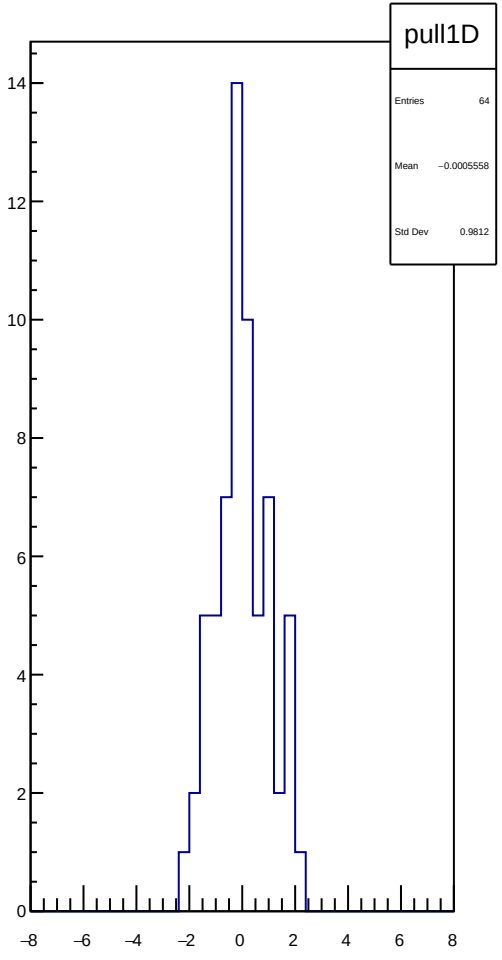

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 3054 / 63
p0 1200 ± 1.085
1300
1250
1200
1150
1100
1050

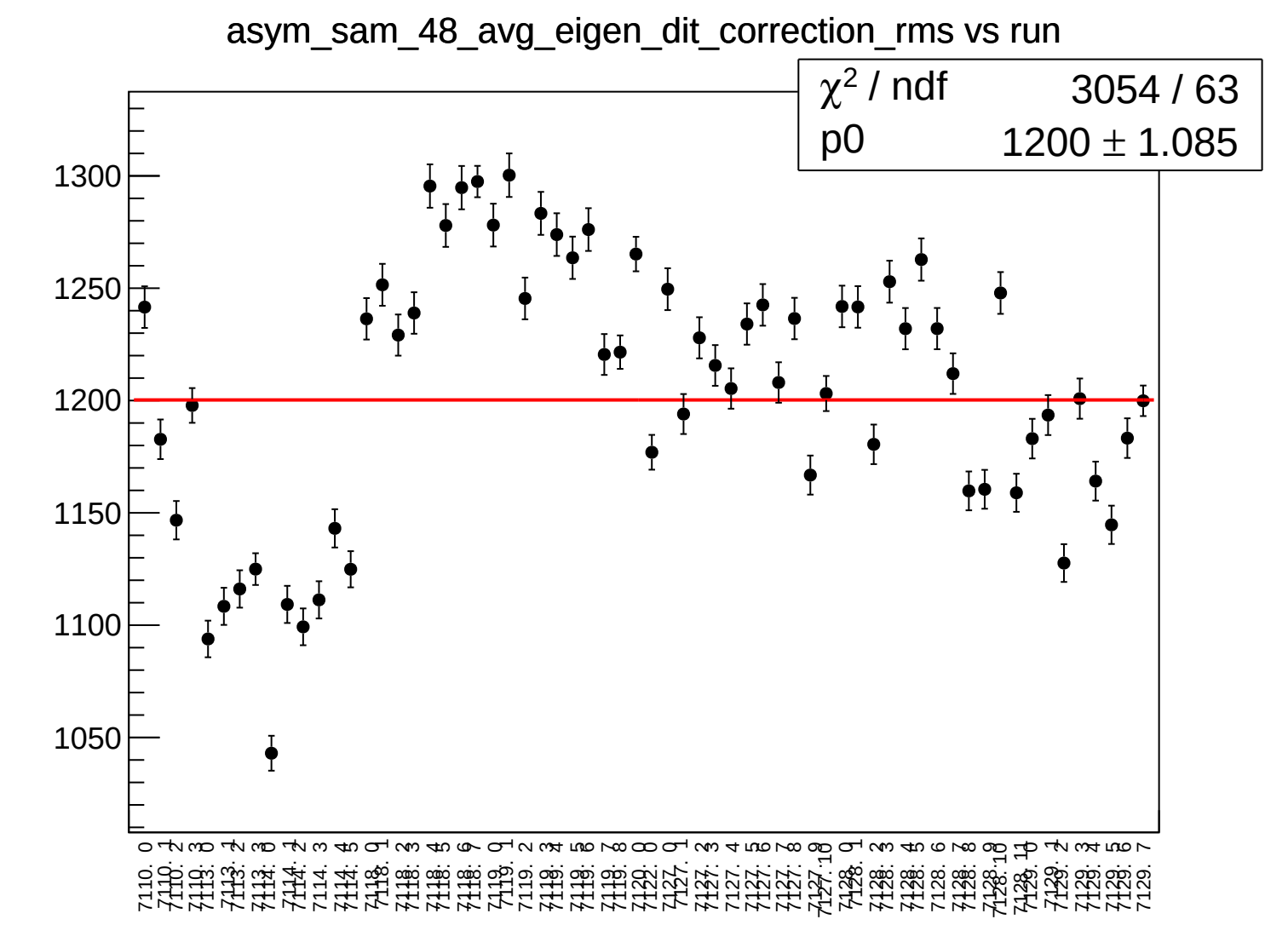

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 59.48 / 63
p0 −241.1± 239.4
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −155.6
Std Dev 0
2
1
0
−1
−2

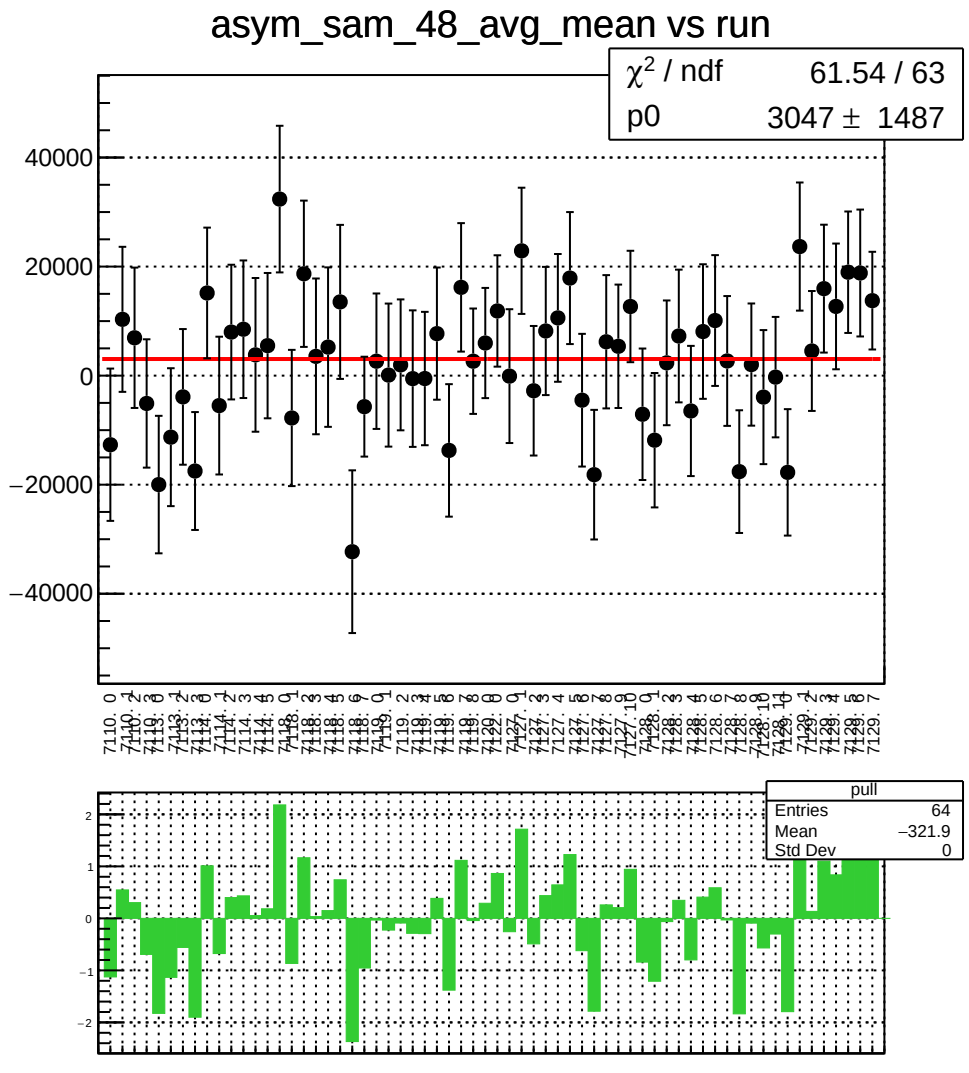

pull1D
Entries 64
Mean 0.01837
Std Dev 0.9639
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

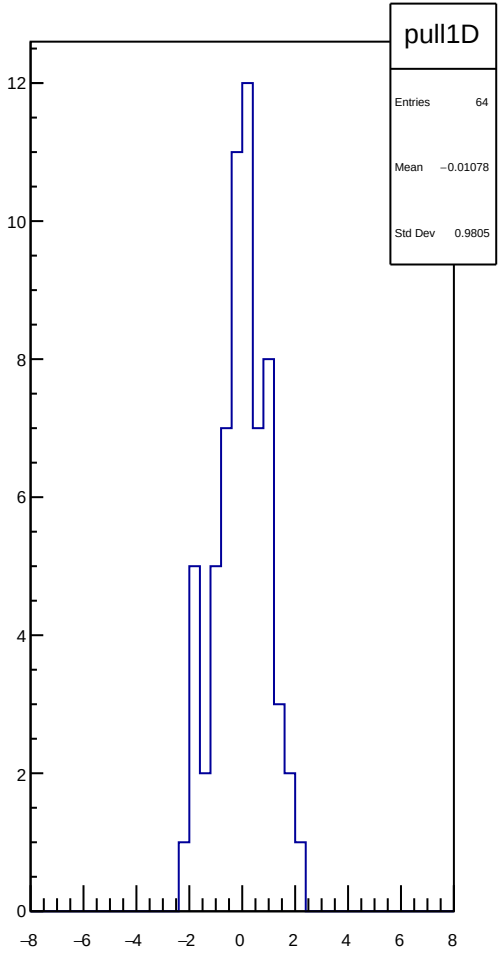

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 5.775e+04 / 63
p0 183 ± 0.1693
400
350
300
250
200
150

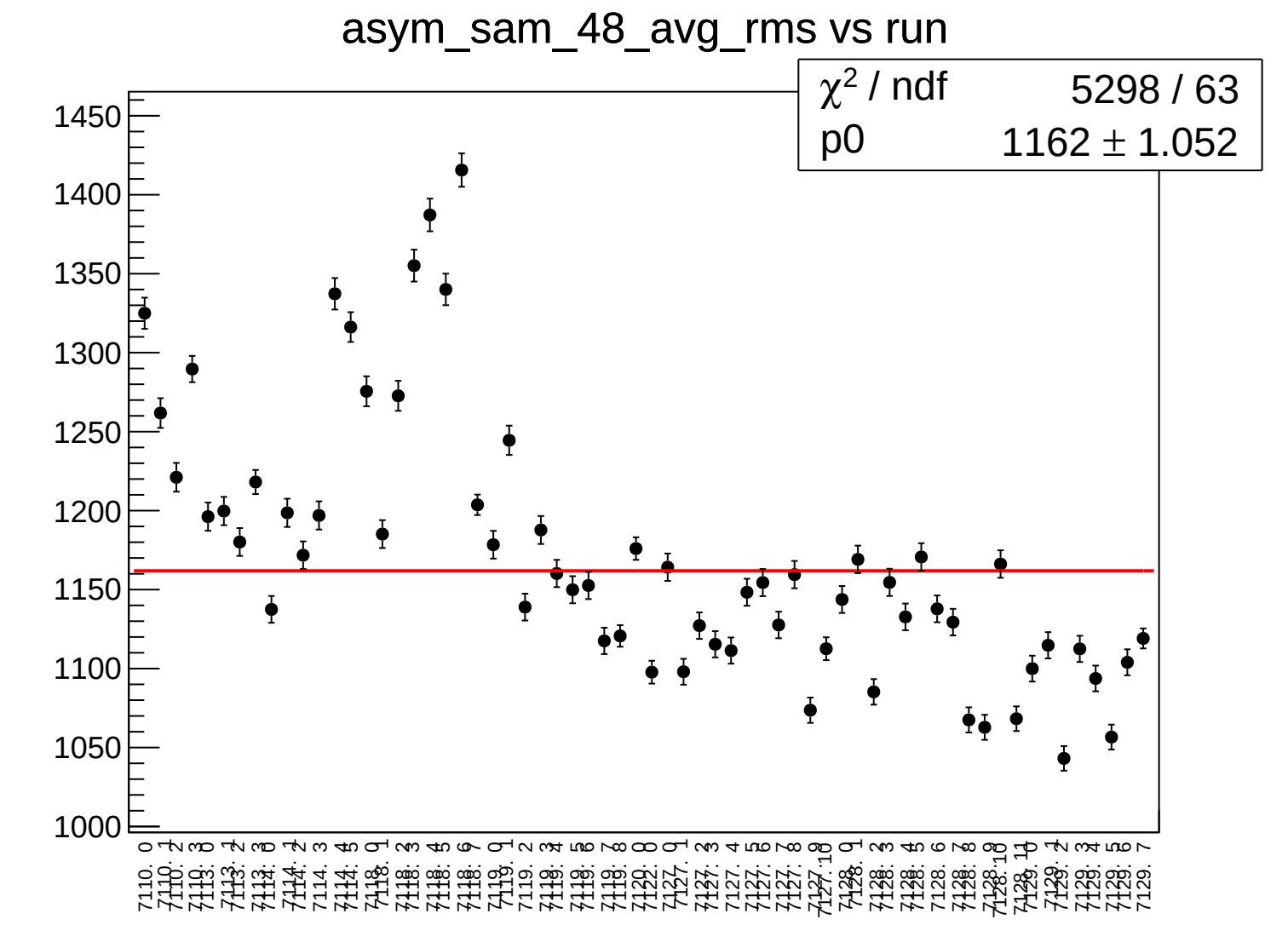

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 61.62 / 63
p0 −2905 ± 1535
40000
20000
0
−20000
−40000
pull
Entries 64
Mean 7970
Std Dev 0
2
1
0
−1
−2

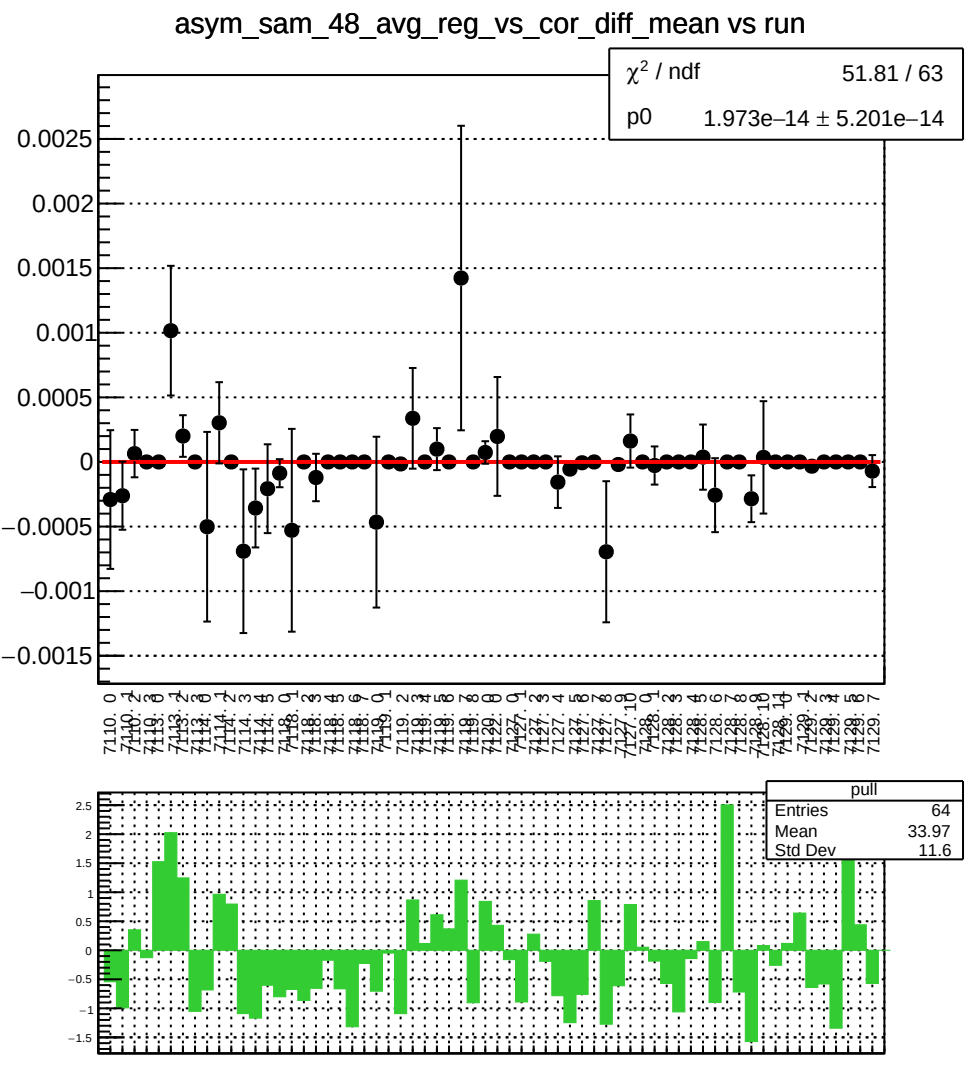

pull1D
Entries 64
Mean −0.0005558
Std Dev 0.9812
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

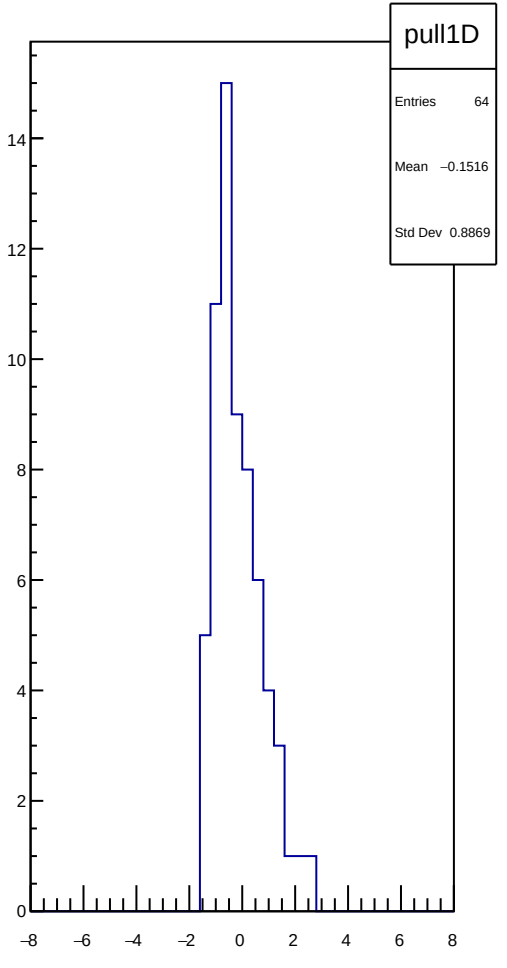

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 3054 / 63
p0 1200 ± 1.085
1300
1250
1200
1150
1100
1050

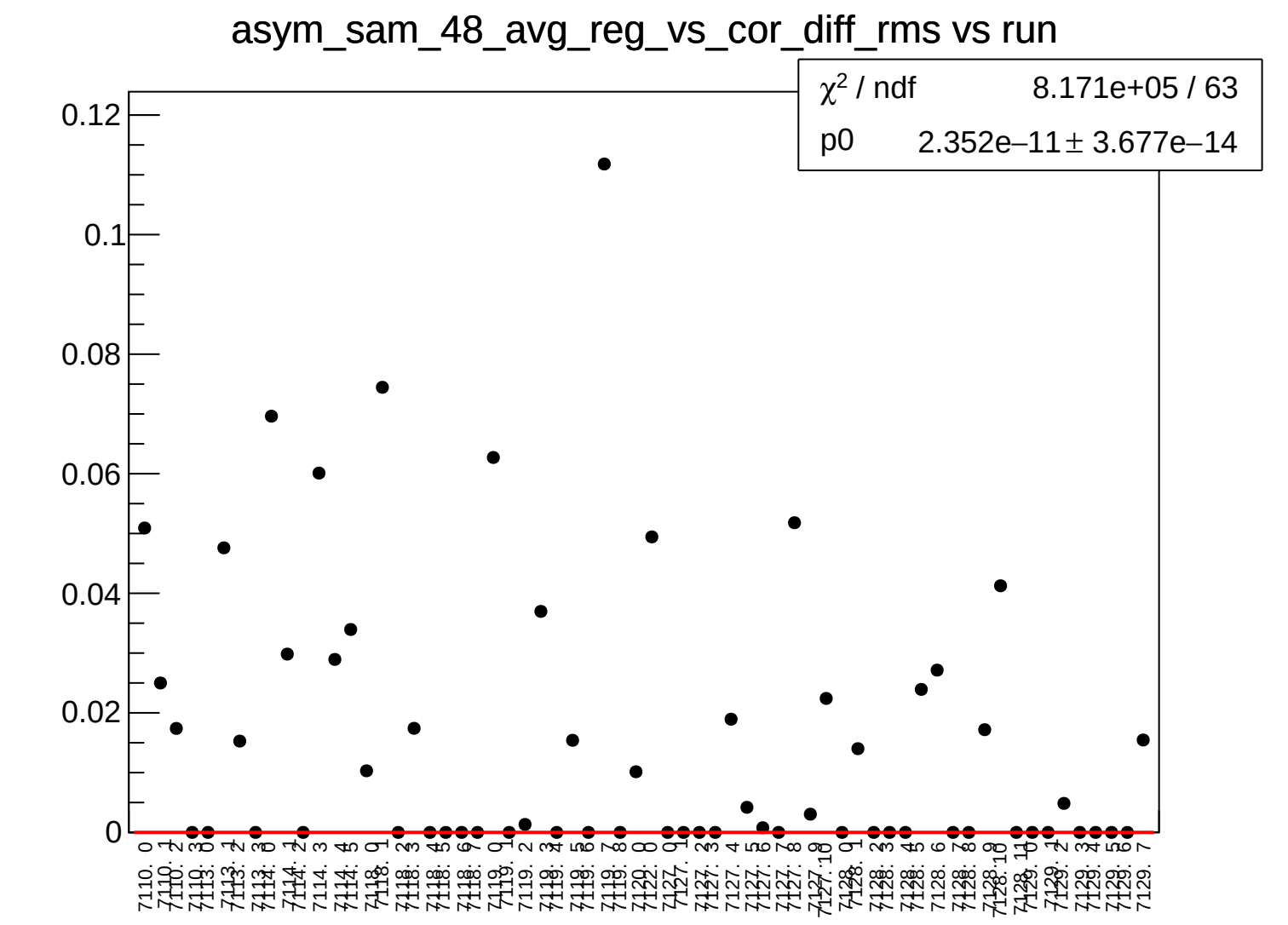

asym_sam_48_avg_mean vs run
χ² / ndf 61.54 / 63
p0 3047 ± 1487
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −321.9
Std Dev 0

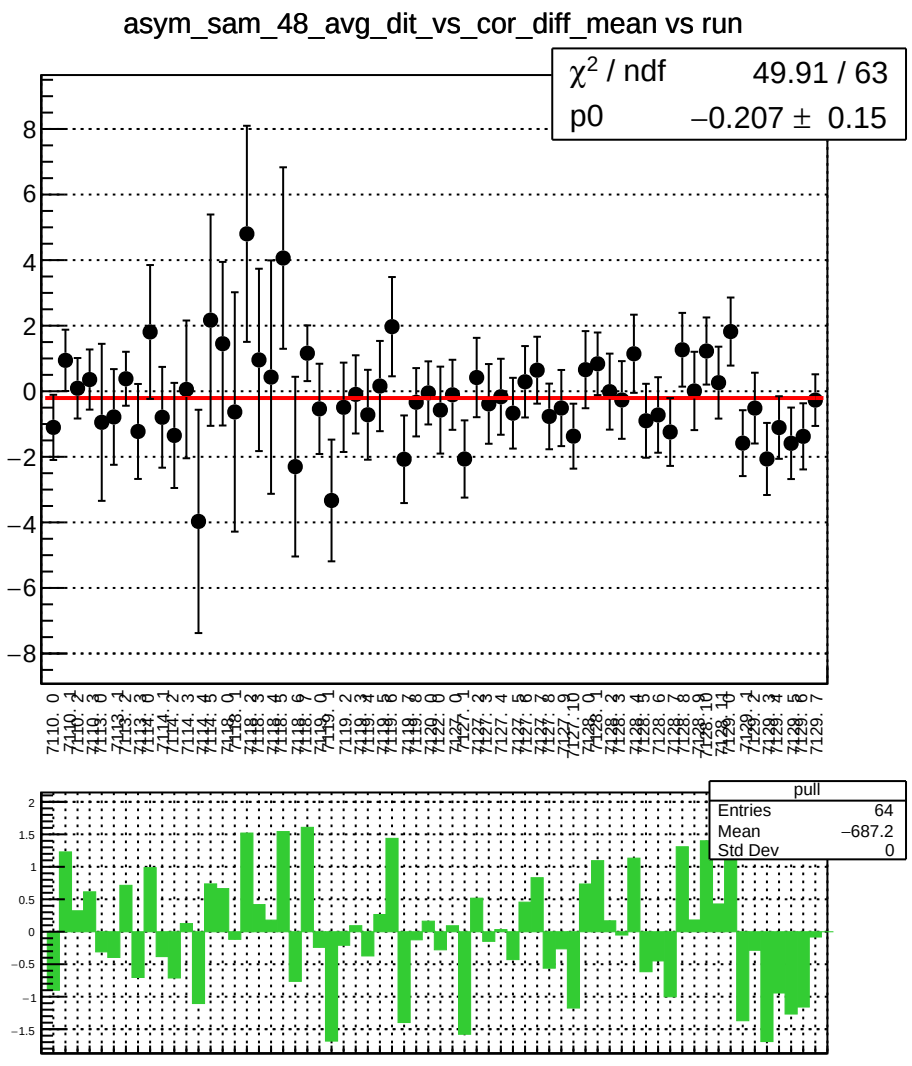

pull1D
Entries 64
Mean −0.01078
Std Dev 0.9805
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

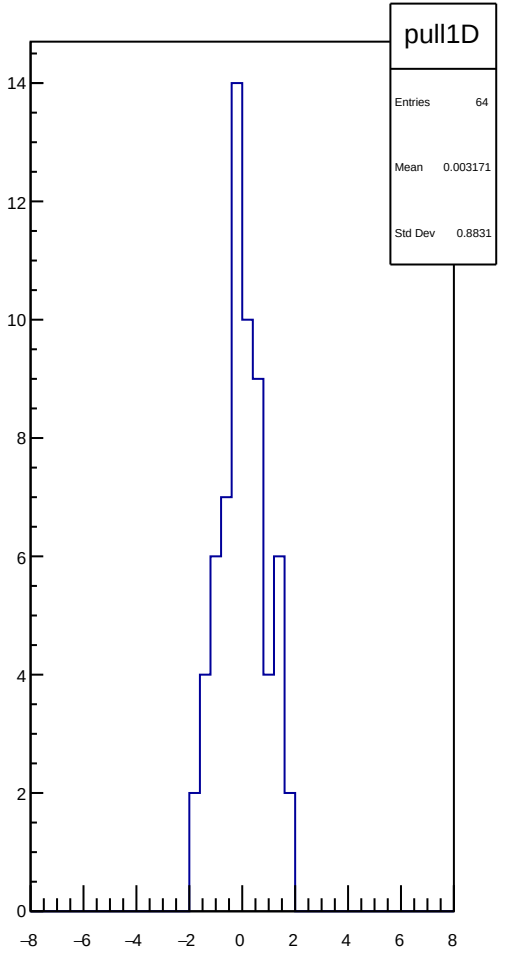

asym_sam_48_avg_rms vs run
χ² / ndf 5298 / 63
p0 1162 ± 1.052
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

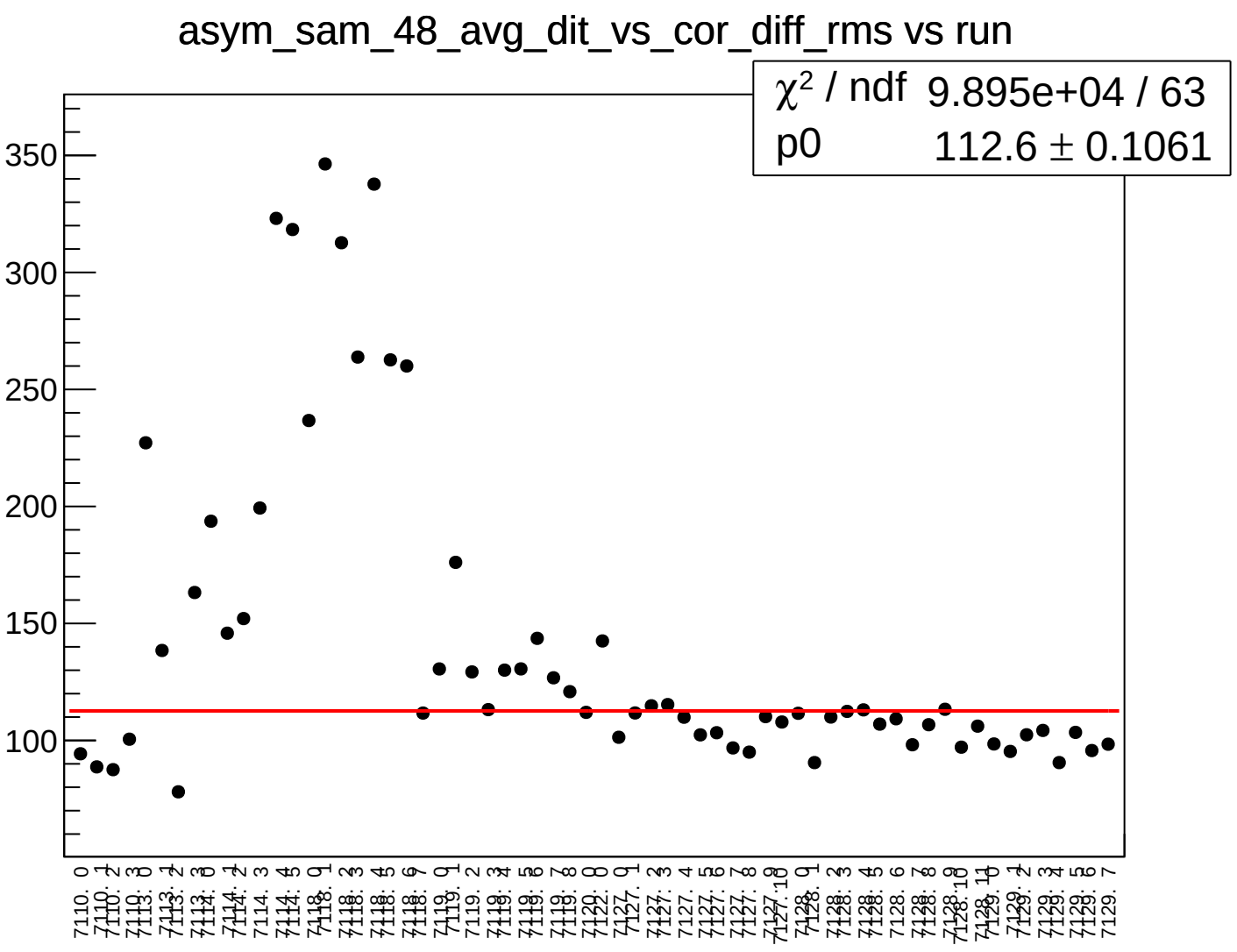

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.81 / 63
p0 1.973e−14 ± 5.201e−14
pull
Entries 64
Mean 33.97
Std Dev 11.6

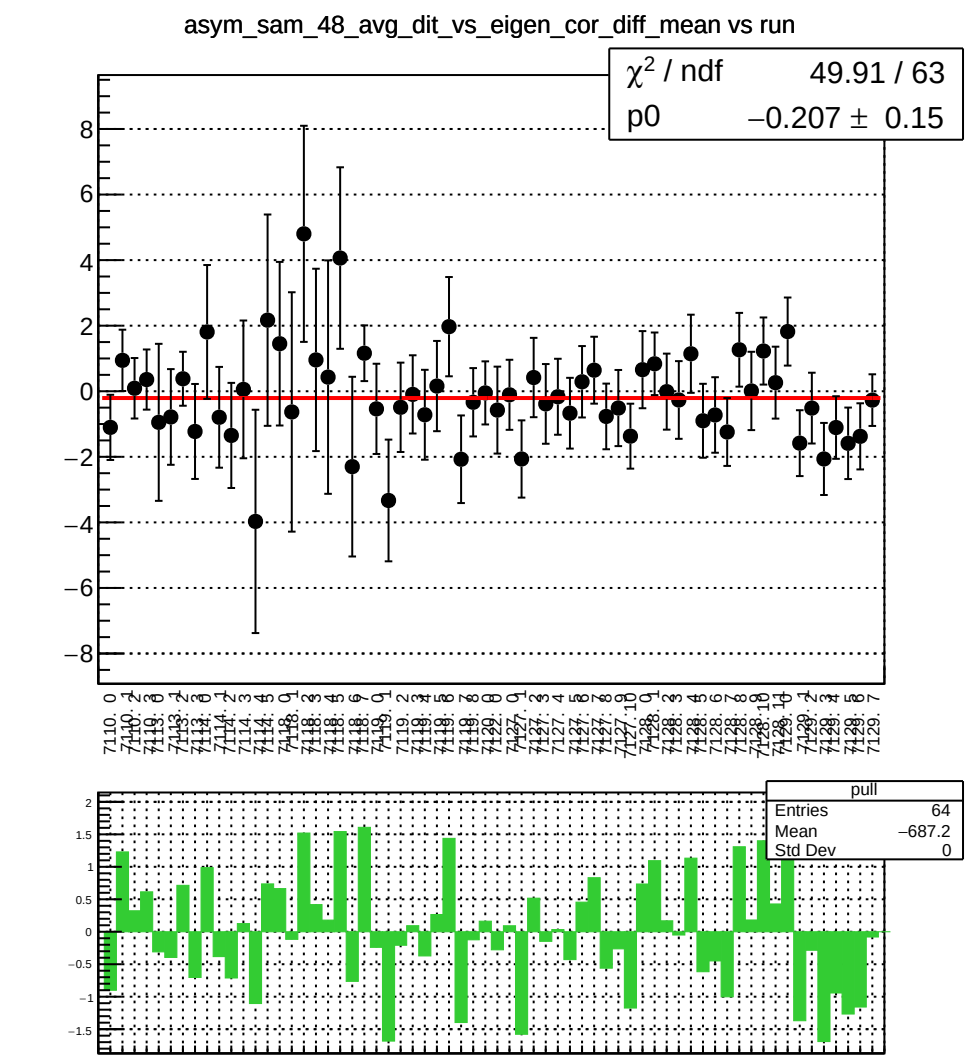

pull1D
Entries 64
Mean −0.1516
Std Dev 0.8869

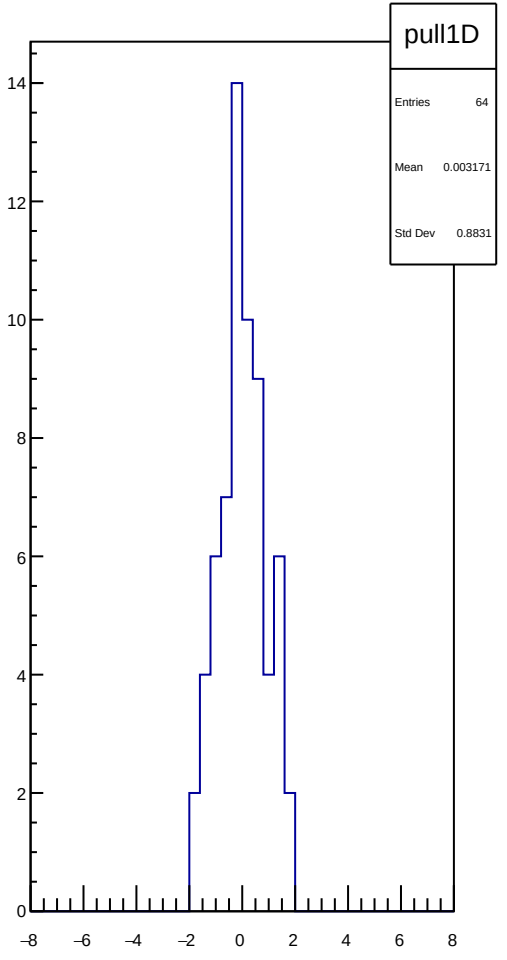

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.171e+05 / 63
p0 2.352e−11 ± 3.677e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

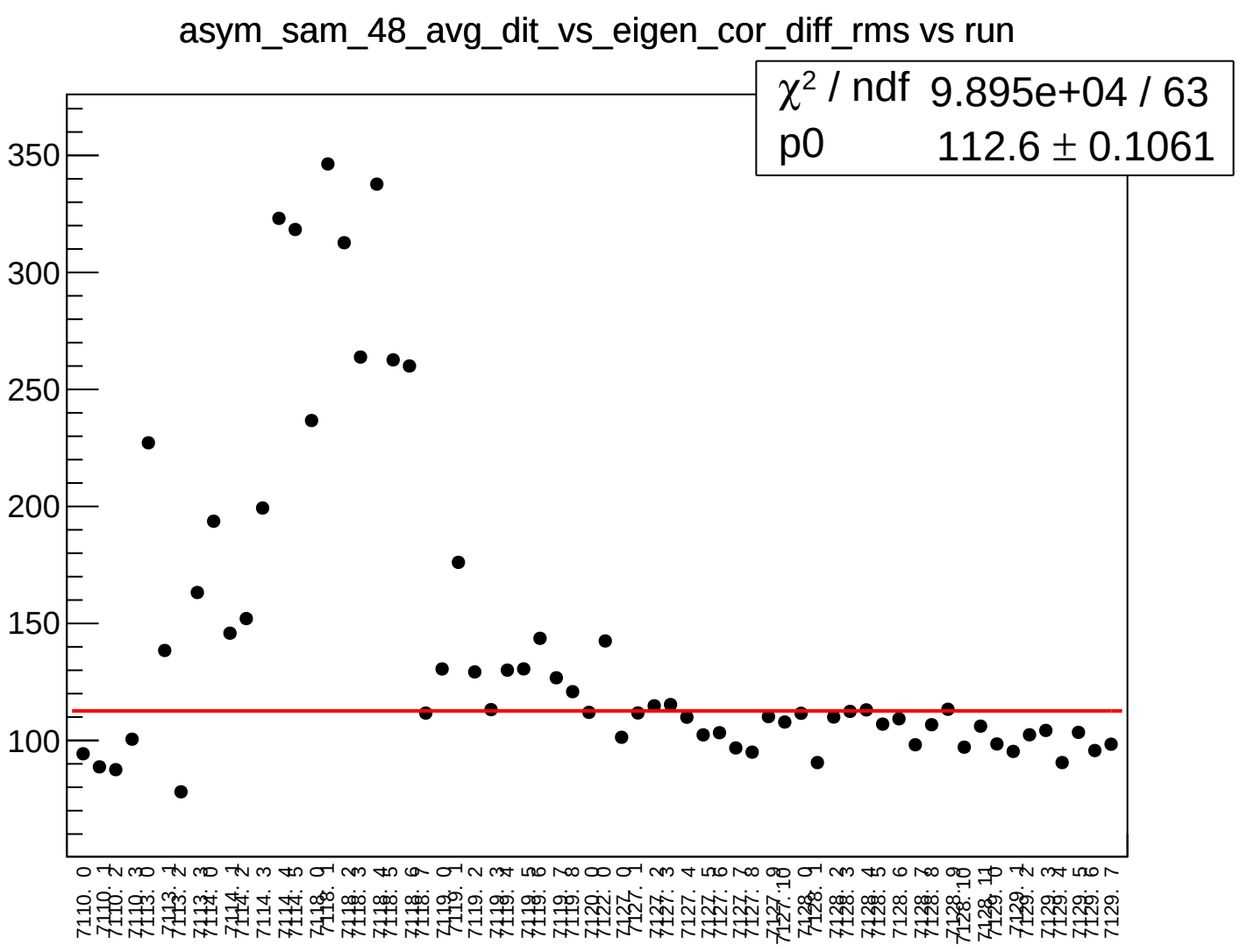

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.91 / 63
p0 −0.207 ± 0.15
pull
Entries 64
Mean −687.2
Std Dev 0

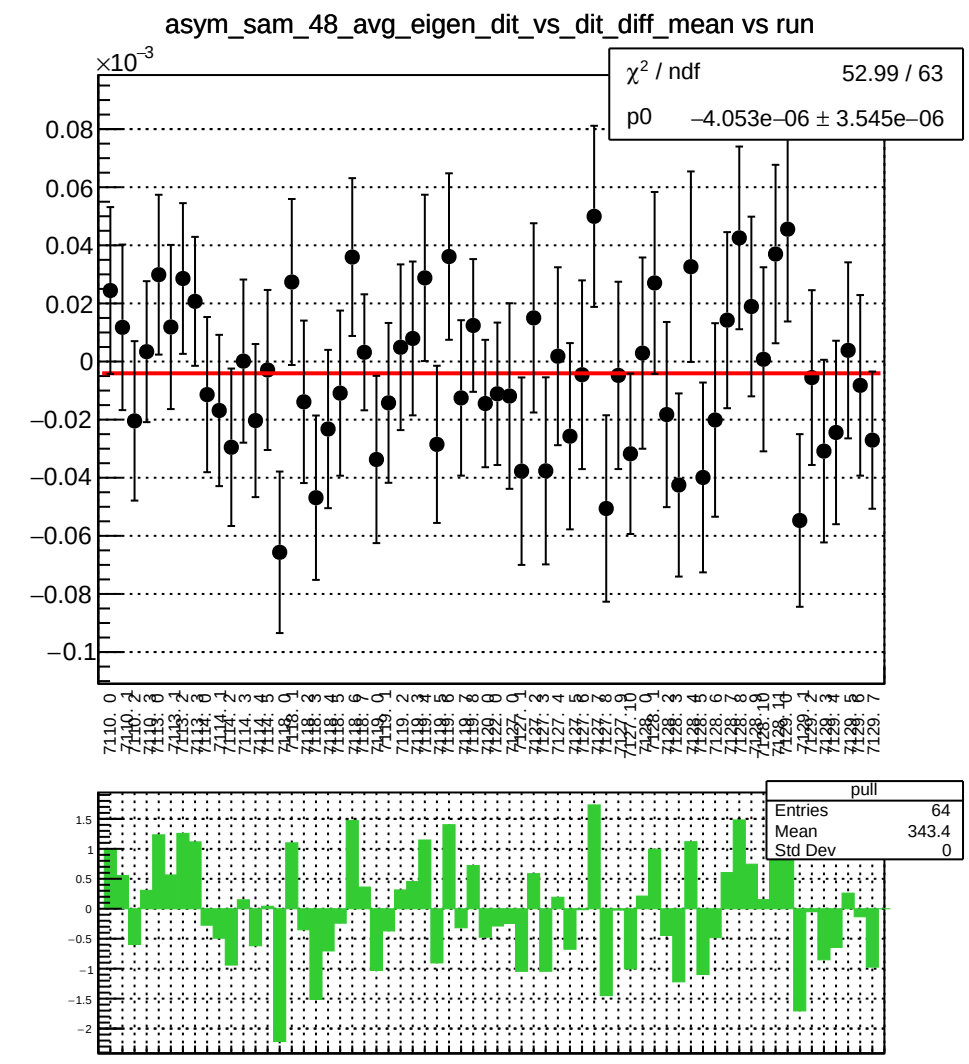

pull1D
Entries 64
Mean 0.003171
Std Dev 0.8831

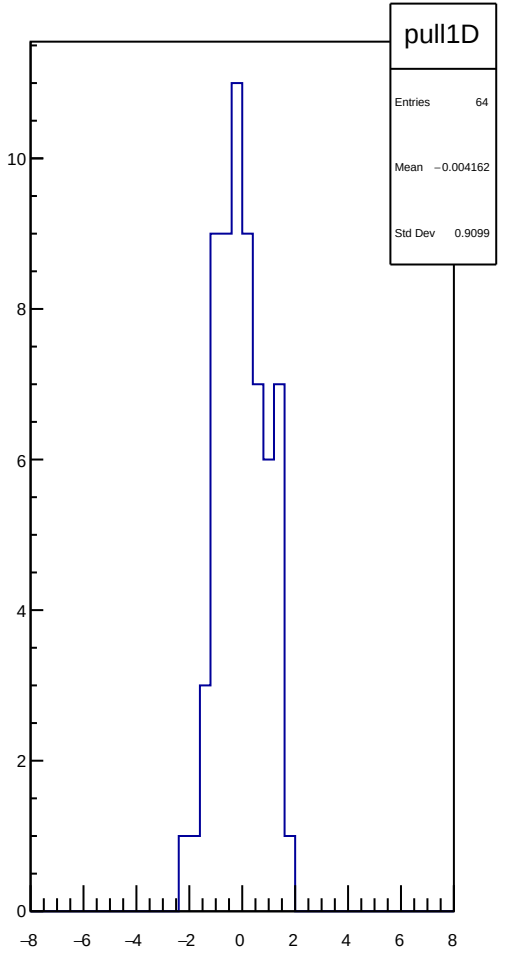

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.895e+04 / 63
p0 112.6 ± 0.1061
350
300
250
200
150
100

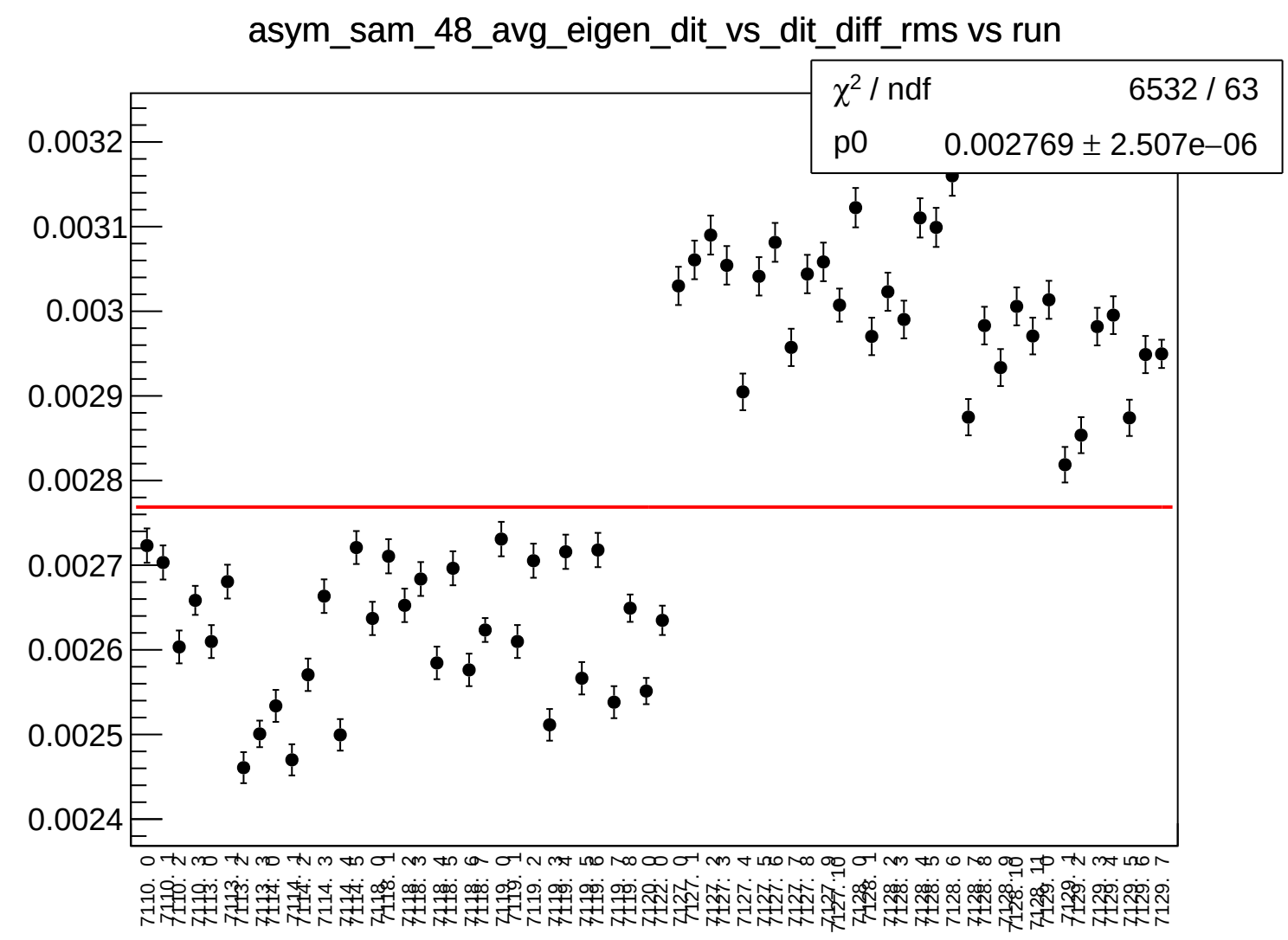

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.91 / 63
p0 −0.207 ± 0.15
pull
Entries 64
Mean −687.2
Std Dev 0

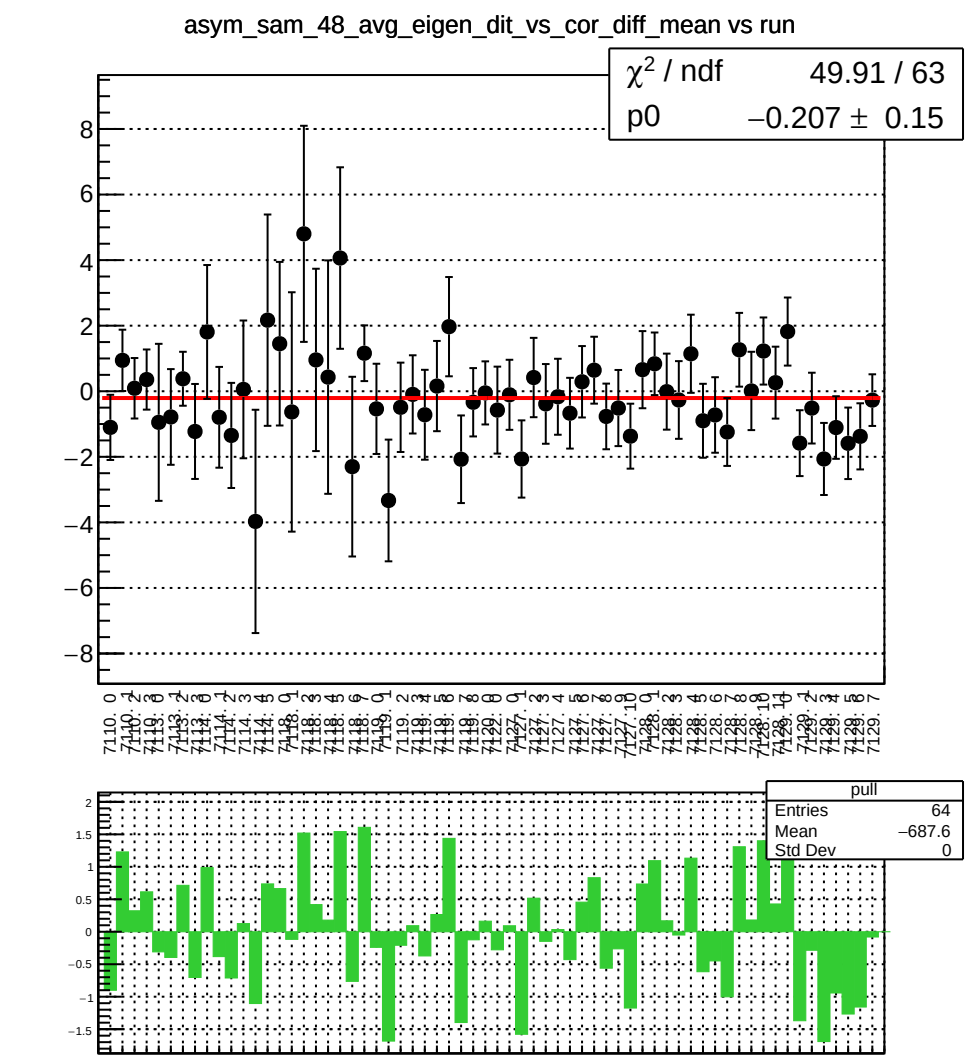

pull1D
Entries 64
Mean 0.003171
Std Dev 0.8831

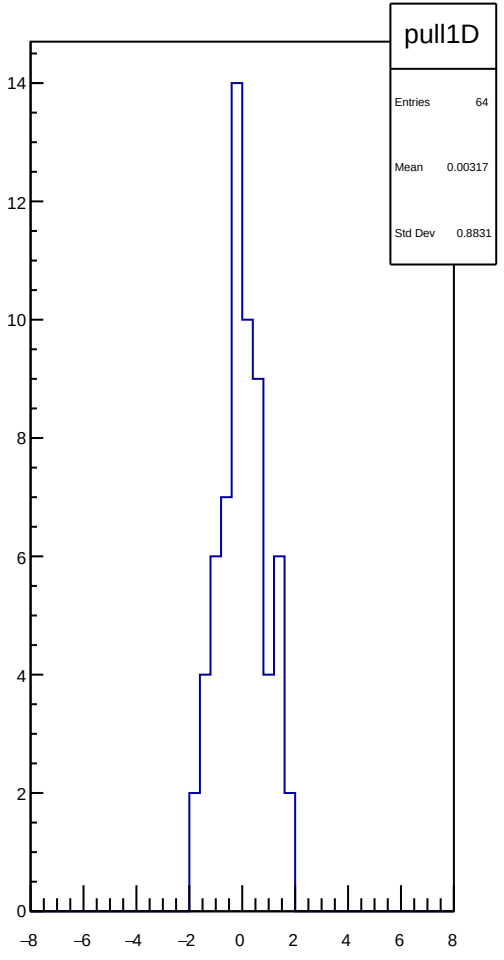

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.895e+04 / 63
p0 112.6 ± 0.1061
350
300
250
200
150
100

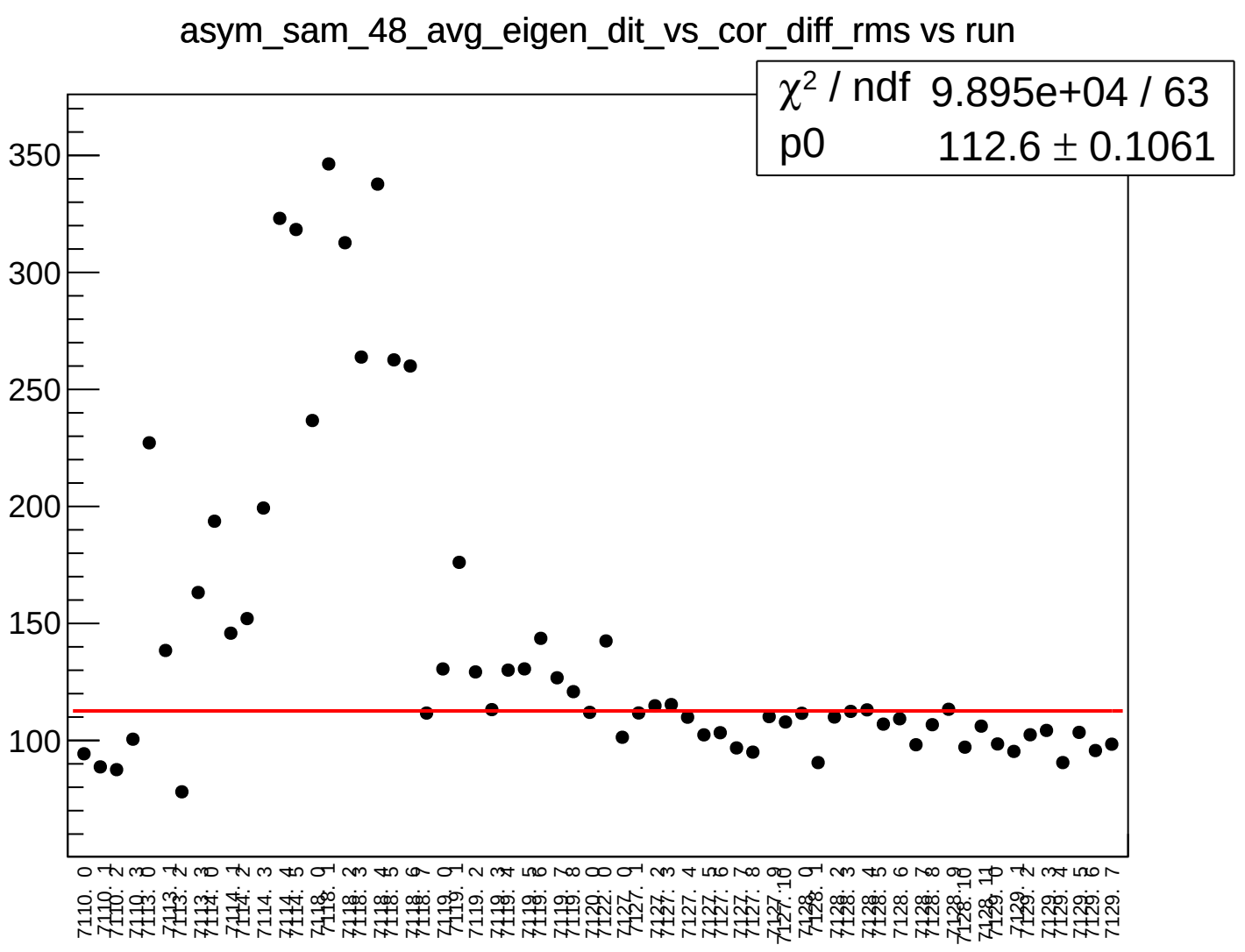

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.99 / 63
p0 −4.053e−06 ± 3.545e−06
pull
Entries 64
Mean 343.4
Std Dev 0

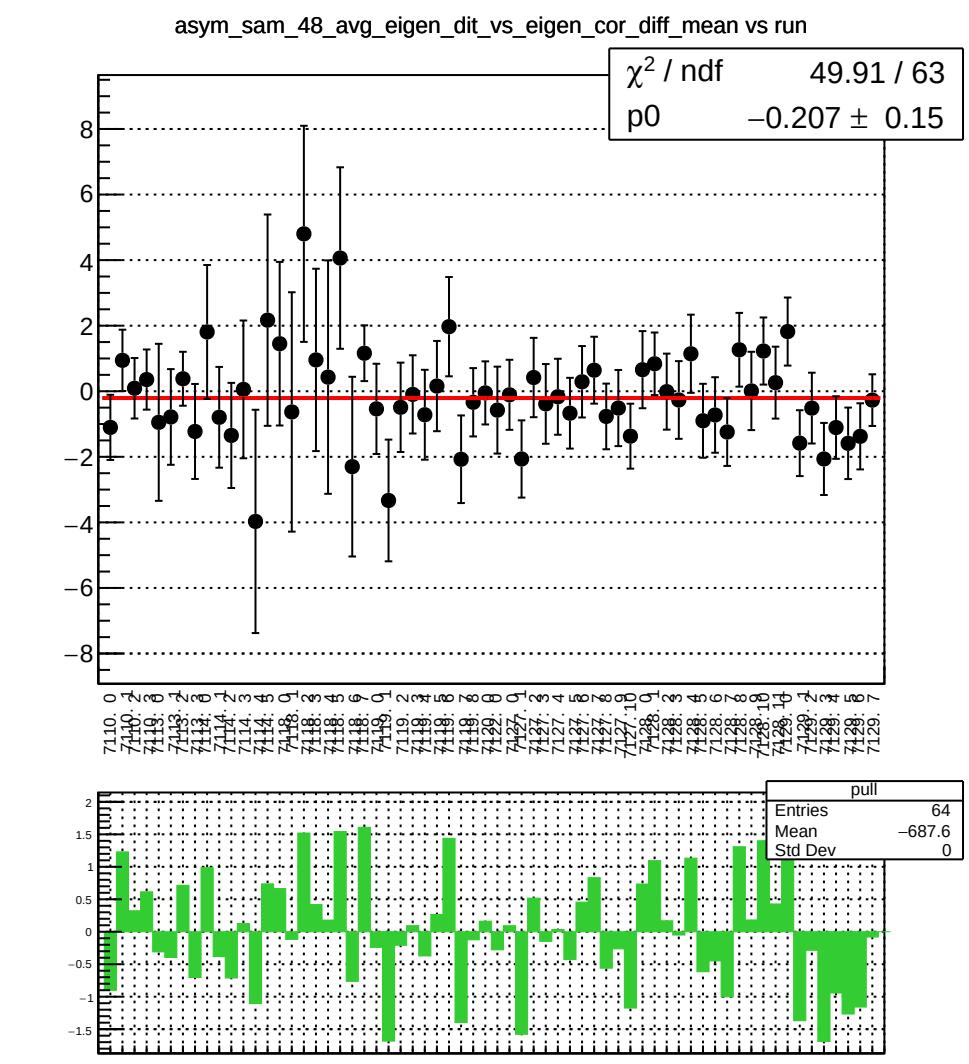

pull1D
Entries 64
Mean −0.004162
Std Dev 0.9099

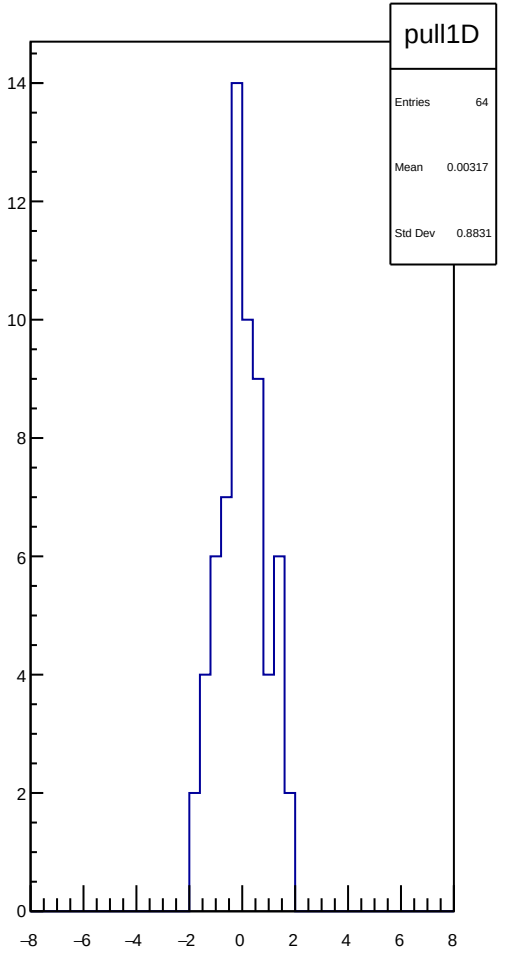

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6532 / 63
p0 0.002769 ± 2.507e−06
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024

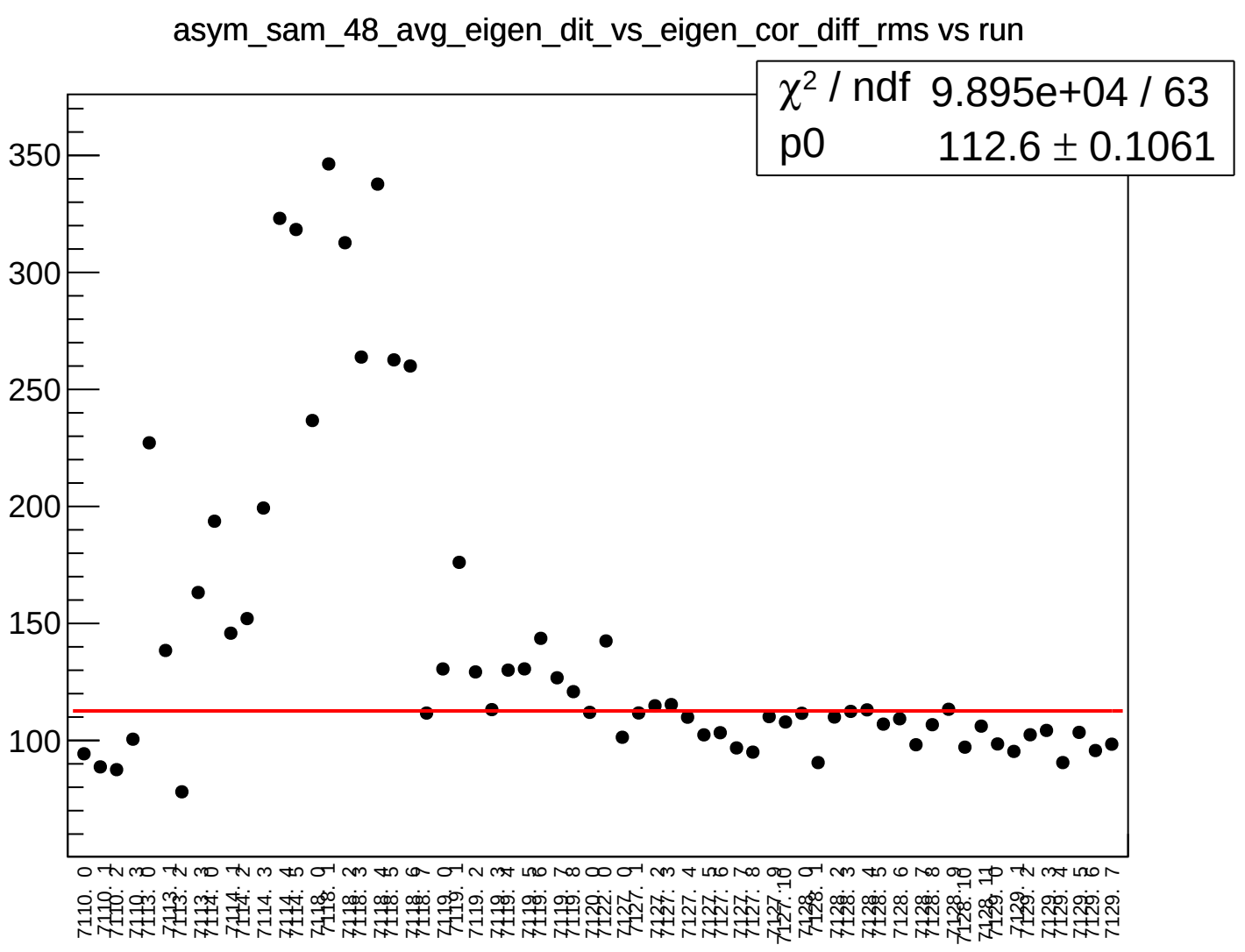

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.91 / 63
p0 −0.207 ± 0.15
pull
Entries 64
Mean −687.6
Std Dev 0

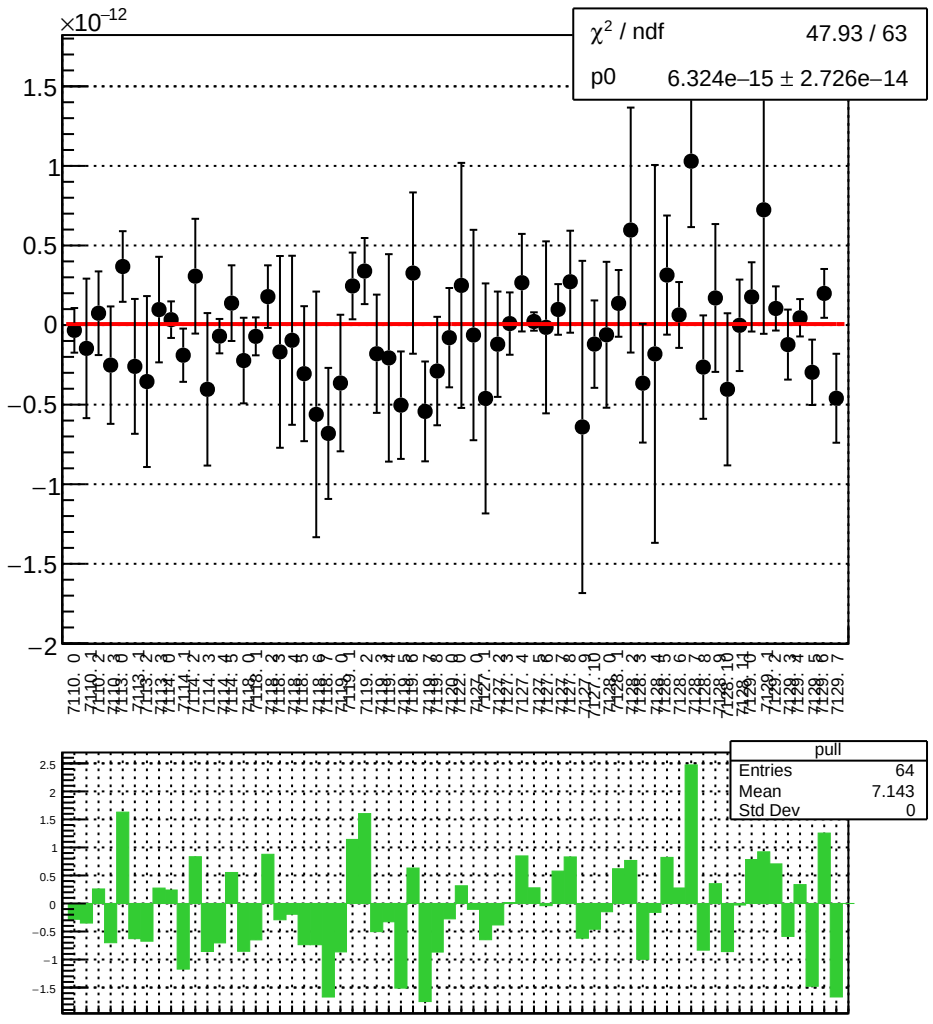

pull1D
Entries 64
Mean 0.00317
Std Dev 0.8831

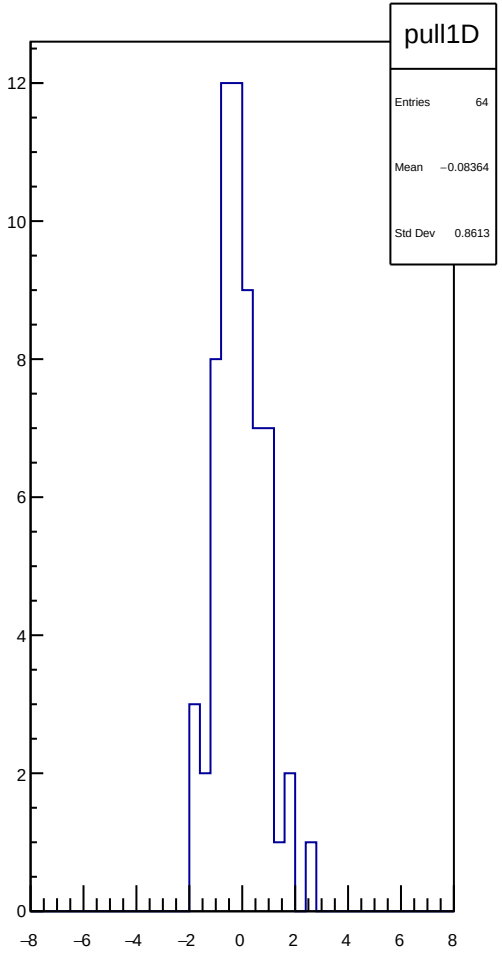

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.895e+04 / 63
p0 112.6 ± 0.1061
350
300
250
200
150
100

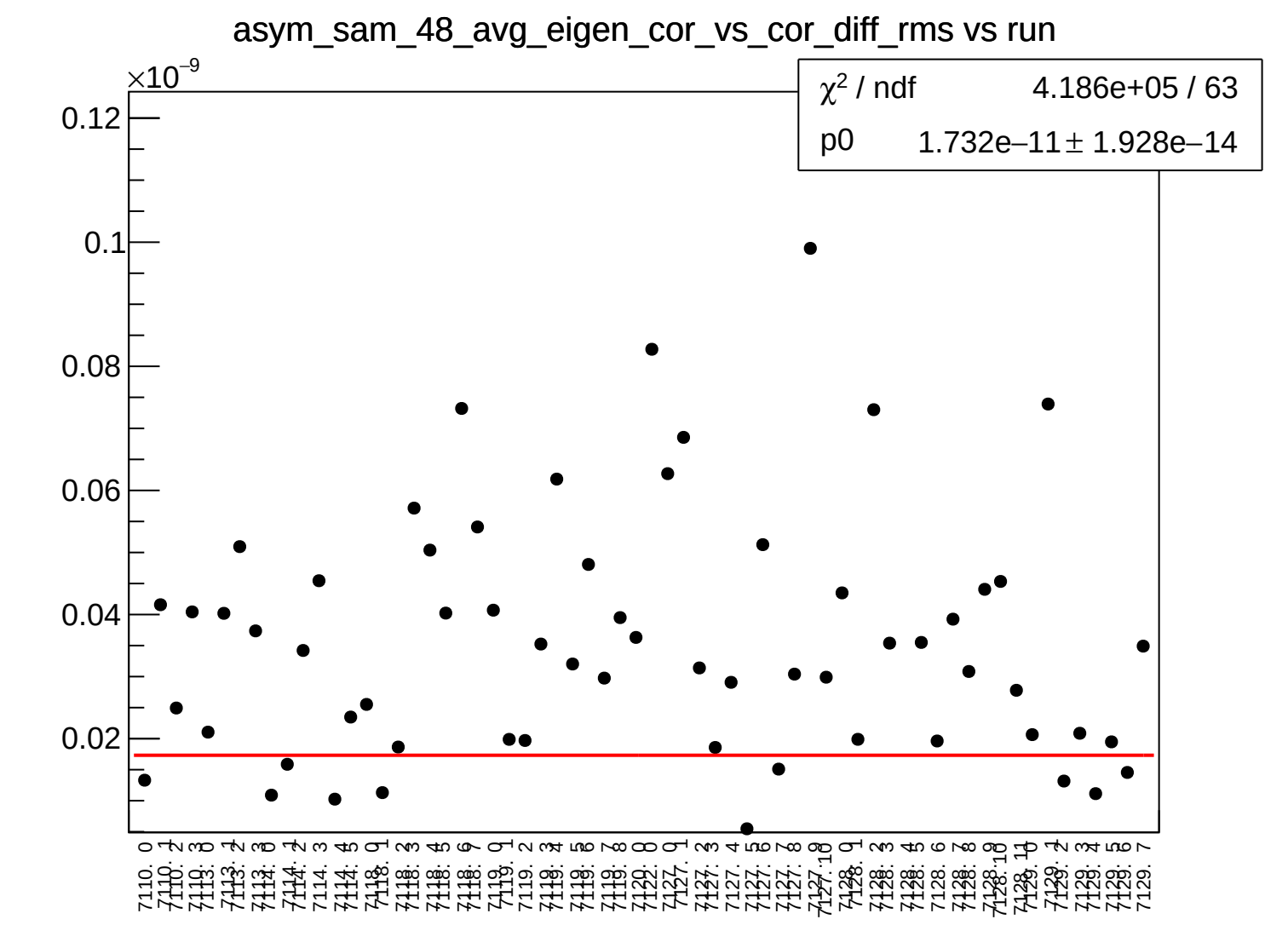

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.91 / 63
p0 −0.207 ± 0.15
pull
Entries 64
Mean −687.6
Std Dev 0

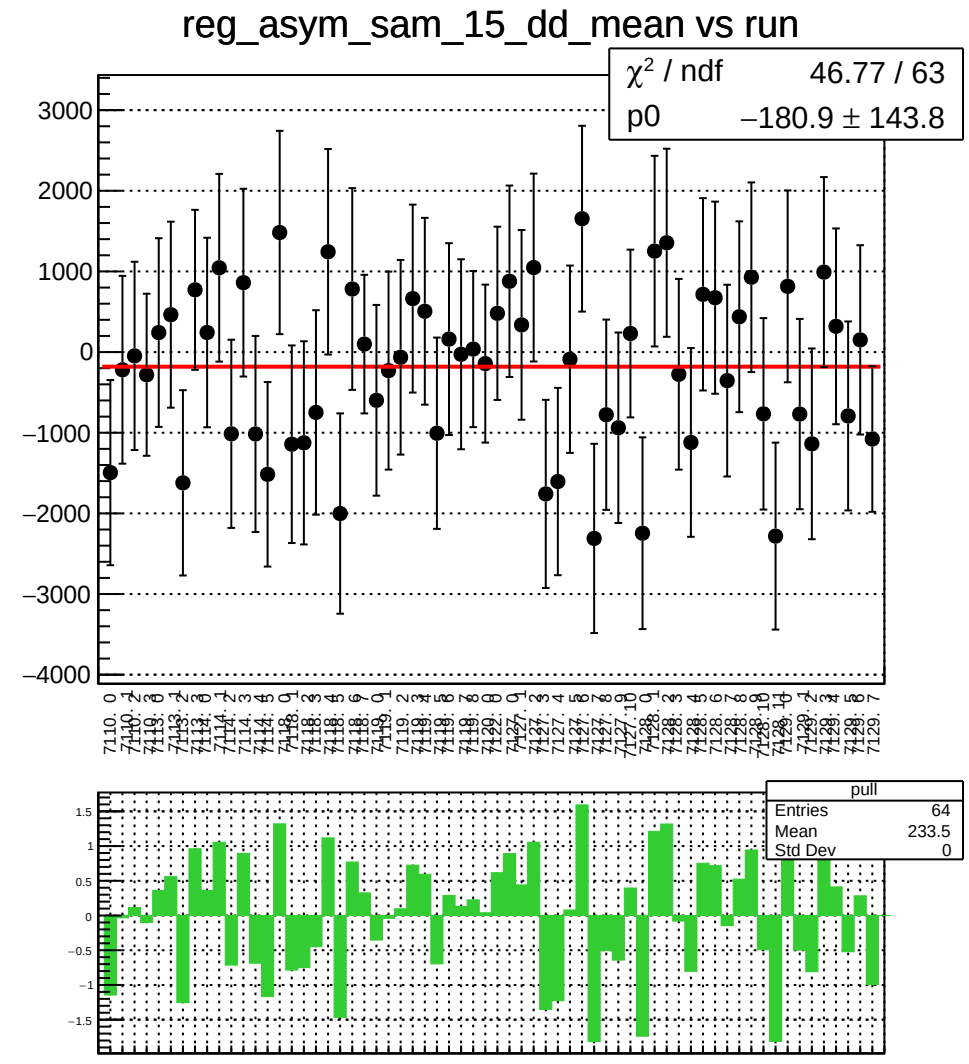

pull1D
Entries 64
Mean 0.00317
Std Dev 0.8831

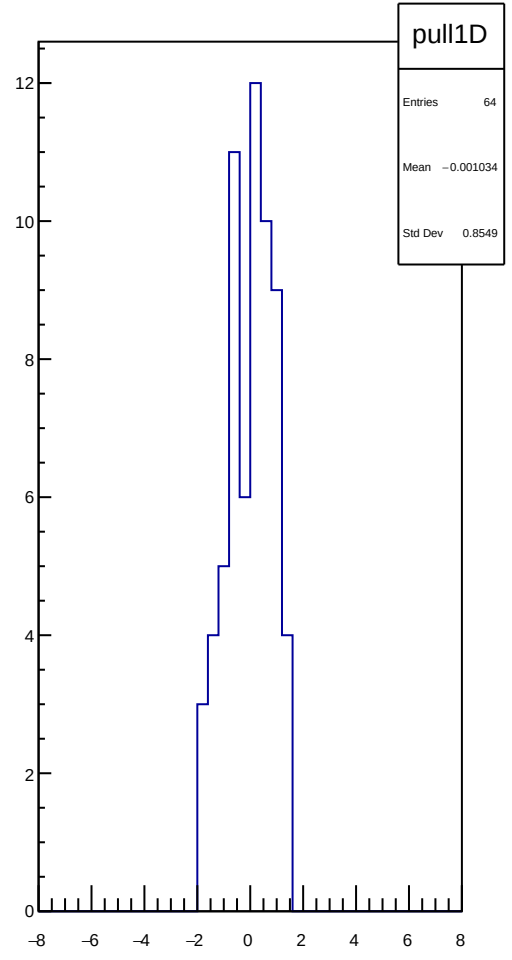

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.895e+04 / 63
p0 112.6 ± 0.1061
350
300
250
200
150
100

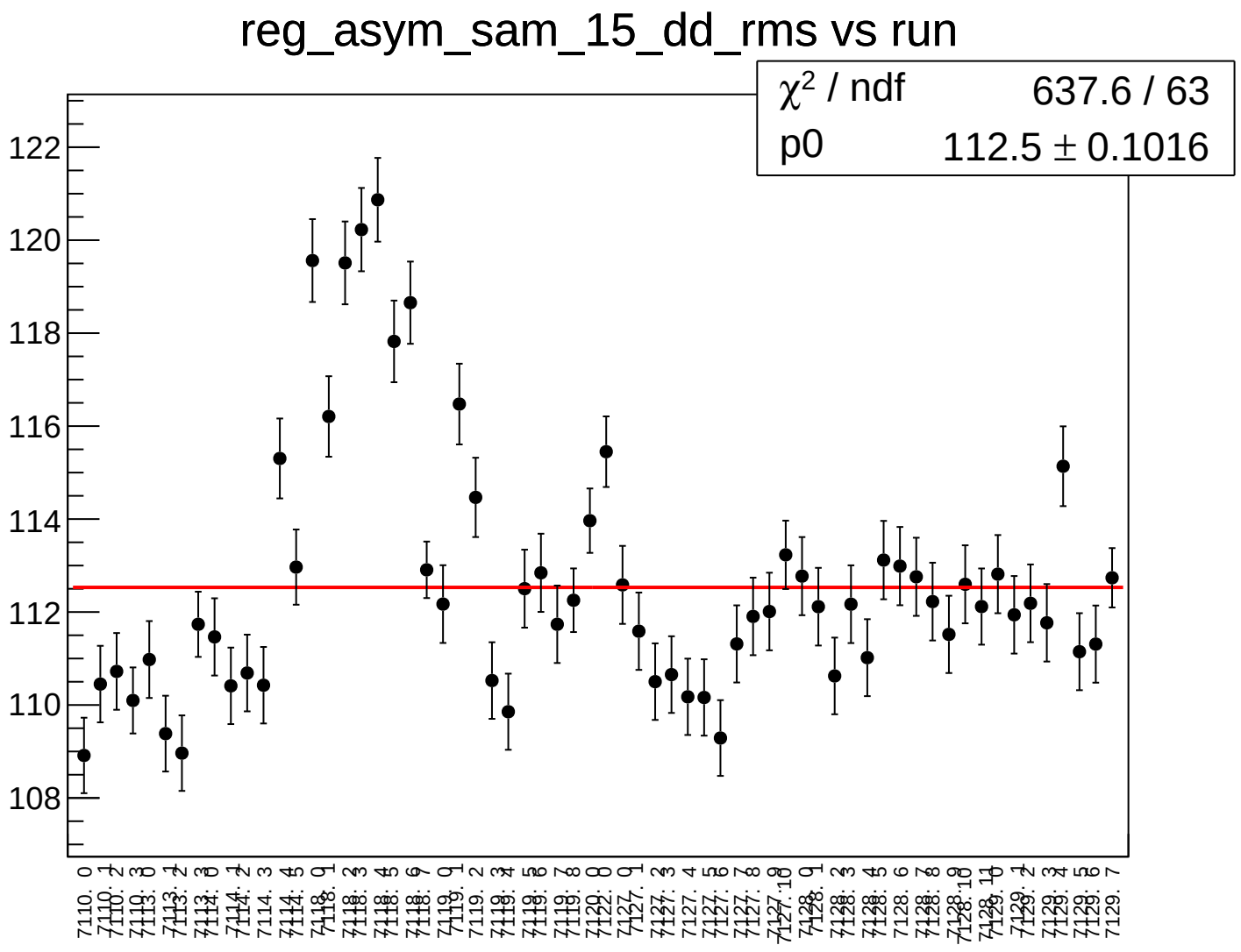

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.93 / 63
p0 6.324e−15 ± 2.726e−14
pull
Entries 64
Mean 7.143
Std Dev 0

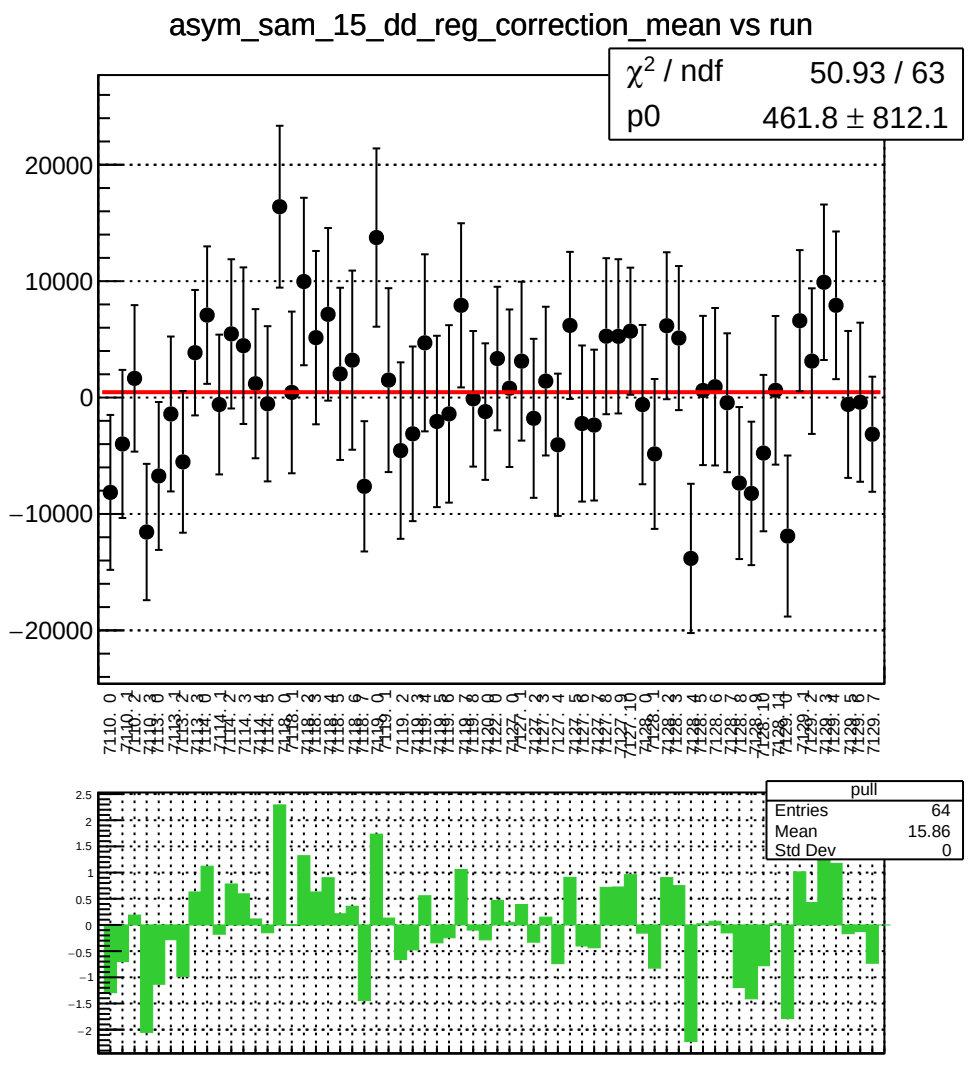

pull1D
Entries 64
Mean −0.08364
Std Dev 0.8613

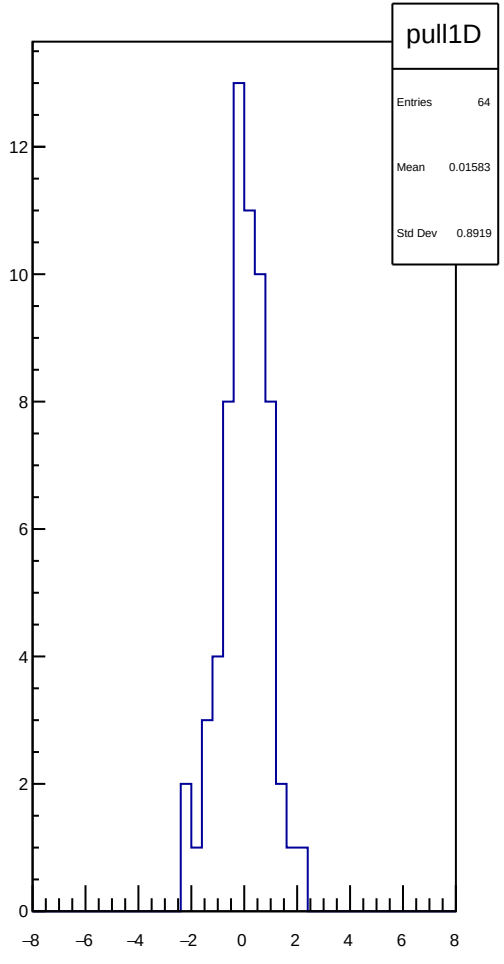

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.186e+05 / 63
p0 1.732e−11 ± 1.928e−14
0.12
0.1
0.08
0.06
0.04
0.02

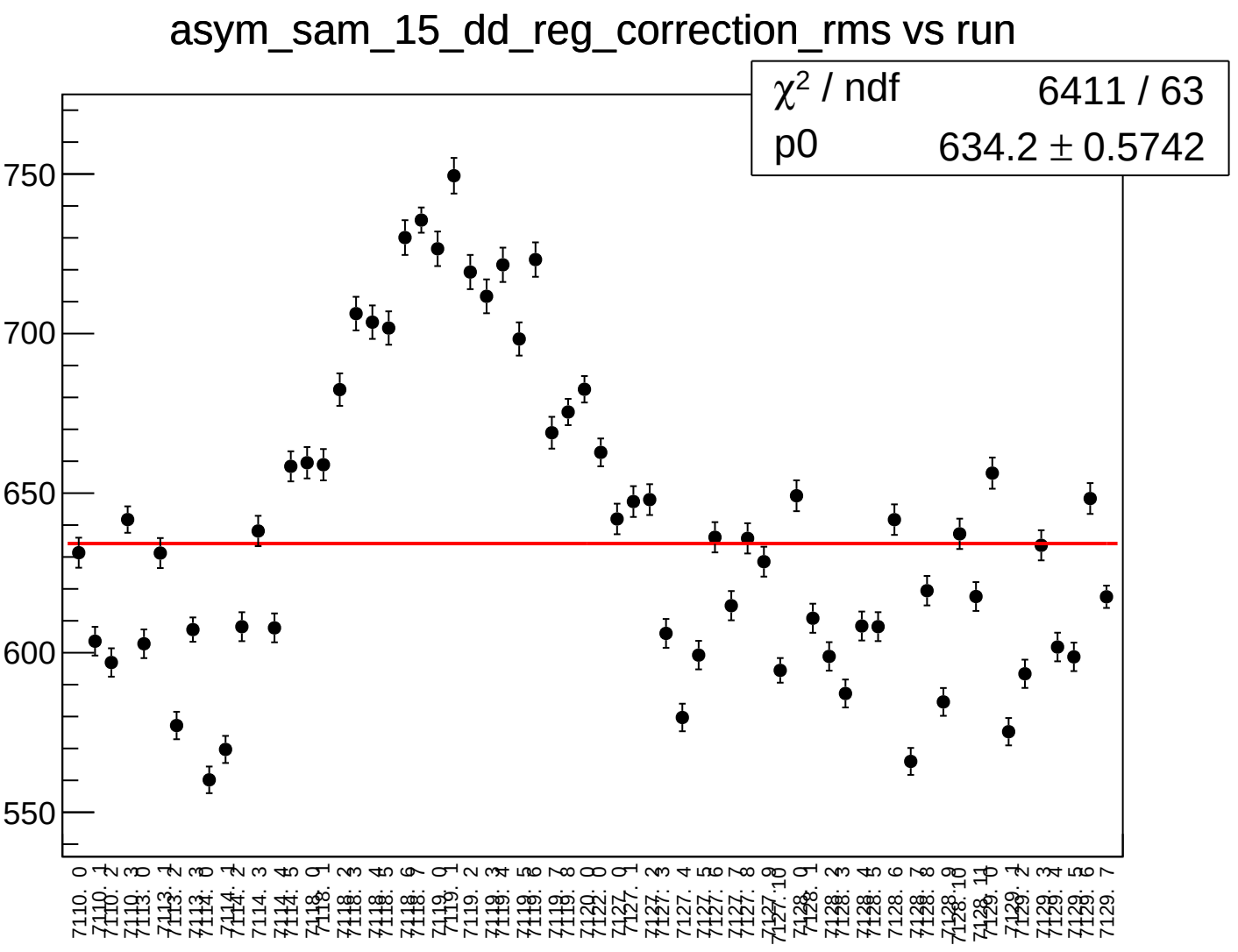

reg_asym_sam_15_dd_mean vs run
χ² / ndf 46.77 / 63
p0 −180.9 ± 143.8
pull
Entries 64
Mean 233.5
Std Dev 0

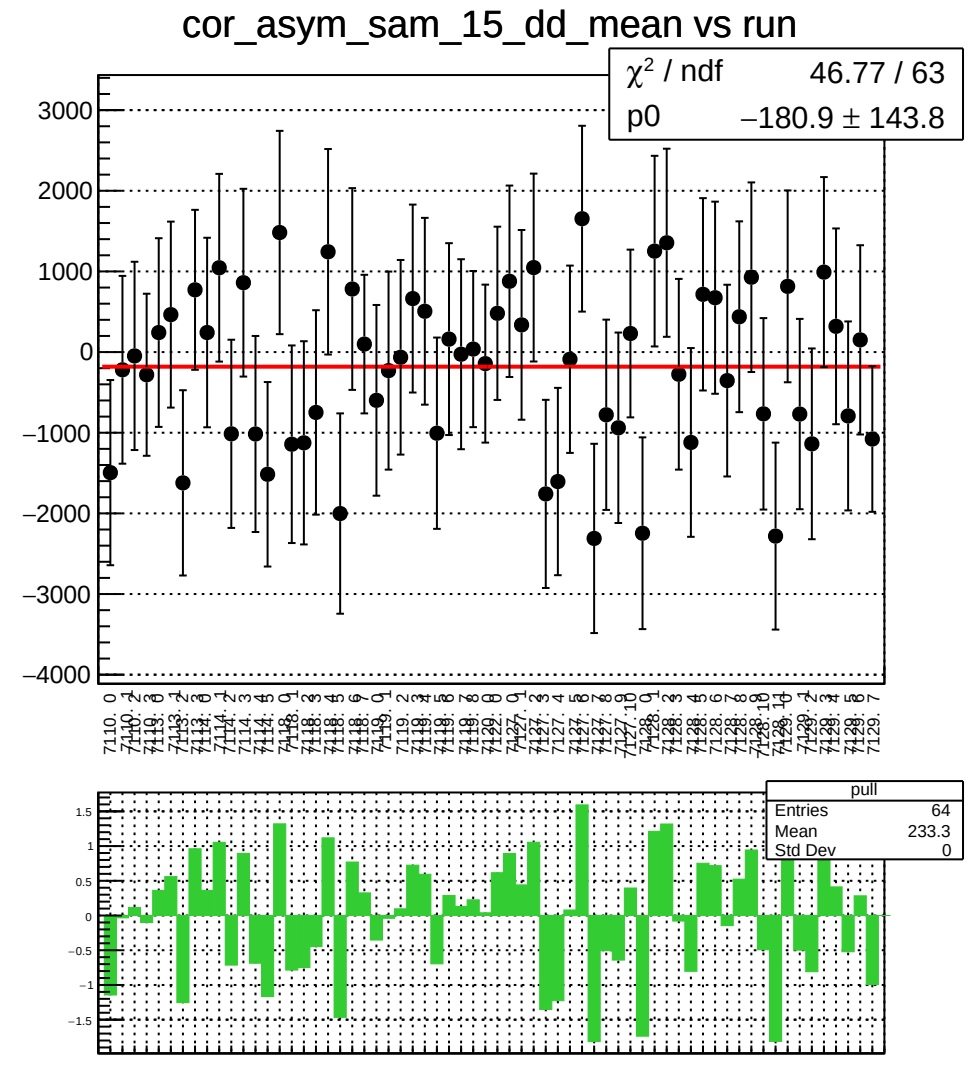

pull1D
Entries 64
Mean −0.001034
Std Dev 0.8549

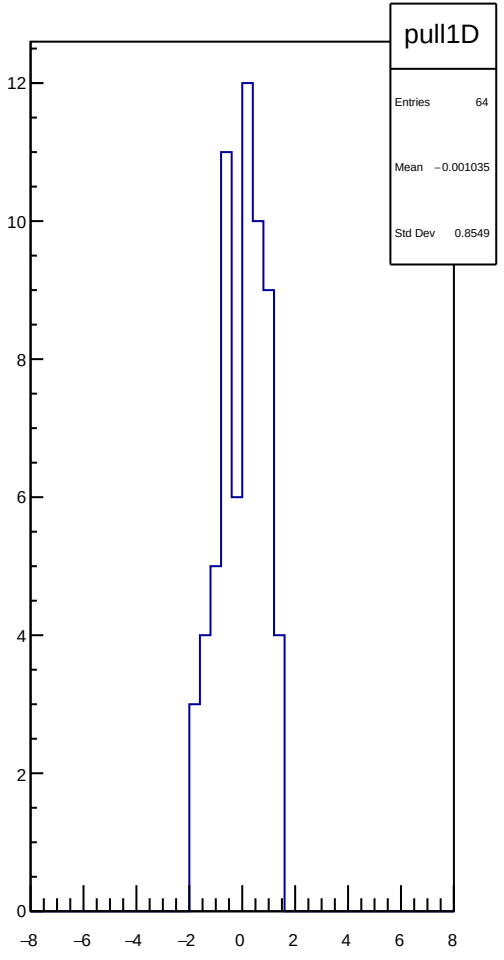

reg_asym_sam_15_dd_rms vs run
χ² / ndf 637.6 / 63
p0 112.5 ± 0.1016
122
120
118
116
114
112
110
108

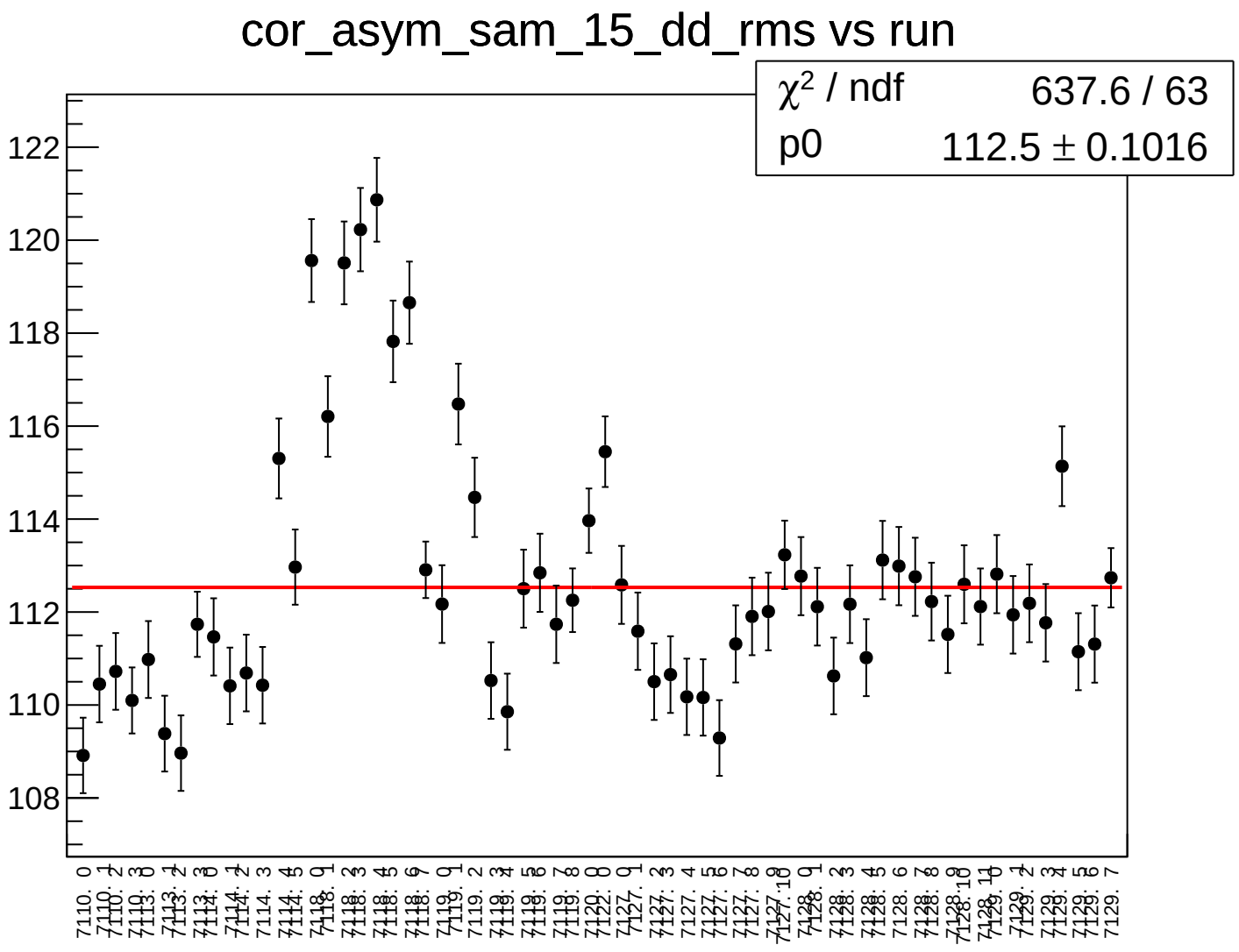

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 50.93 / 63
p0 461.8 ± 812.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 15.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

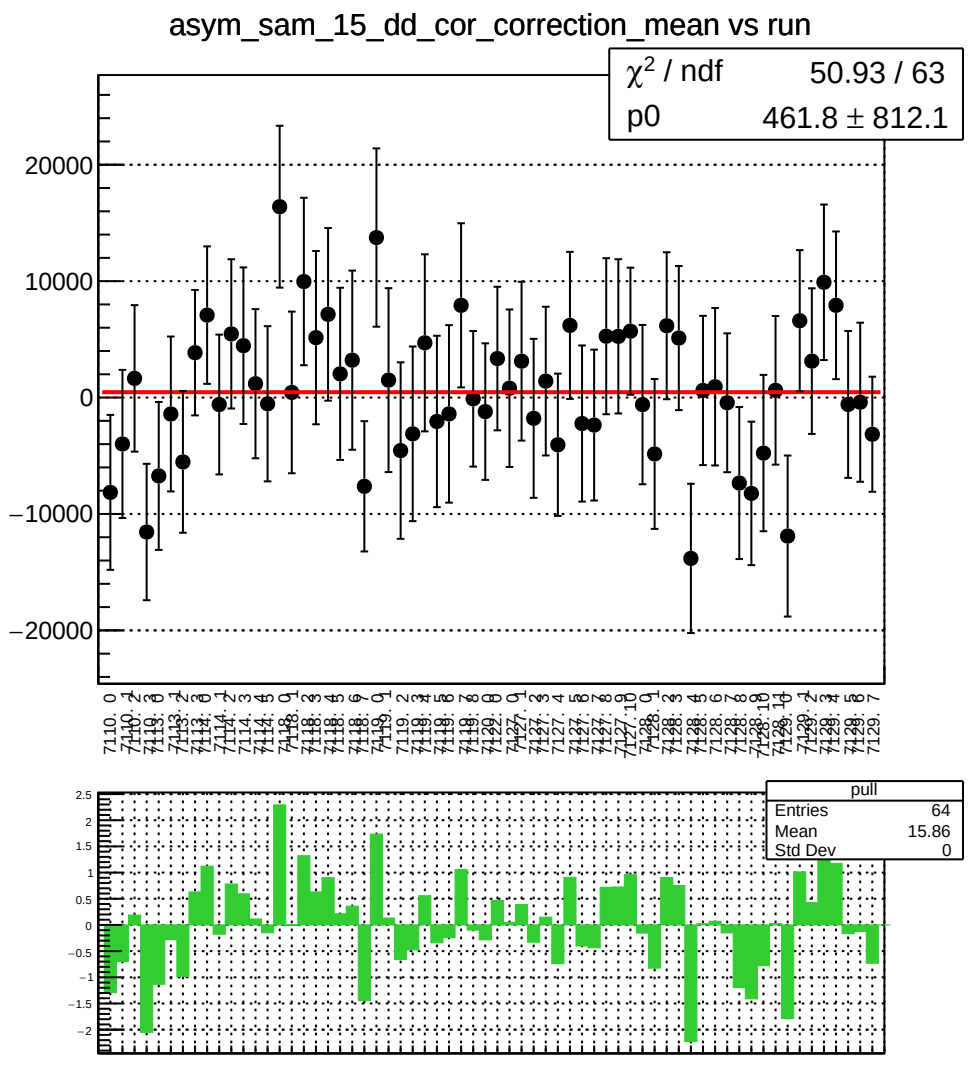

pull1D
Entries 64
Mean 0.01583
Std Dev 0.8919
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

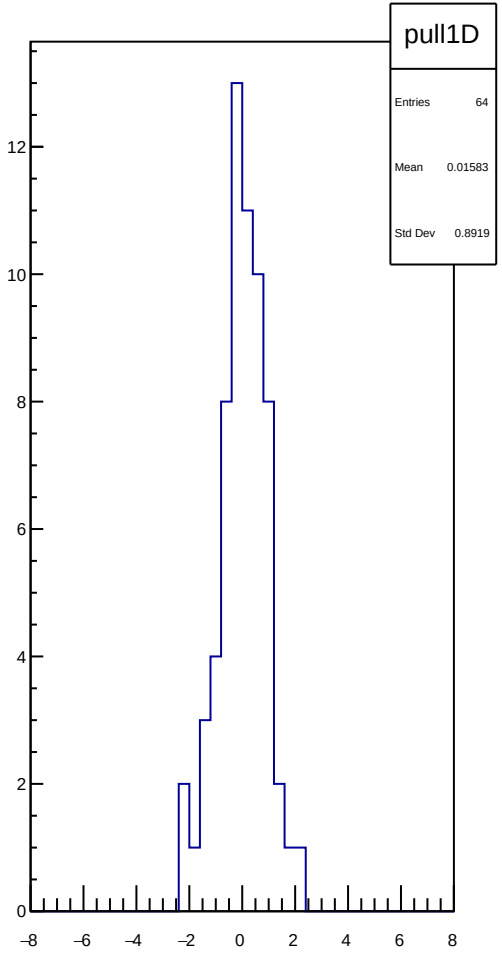

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 6411 / 63
p0 634.2 ± 0.5742
750
700
650
600
550

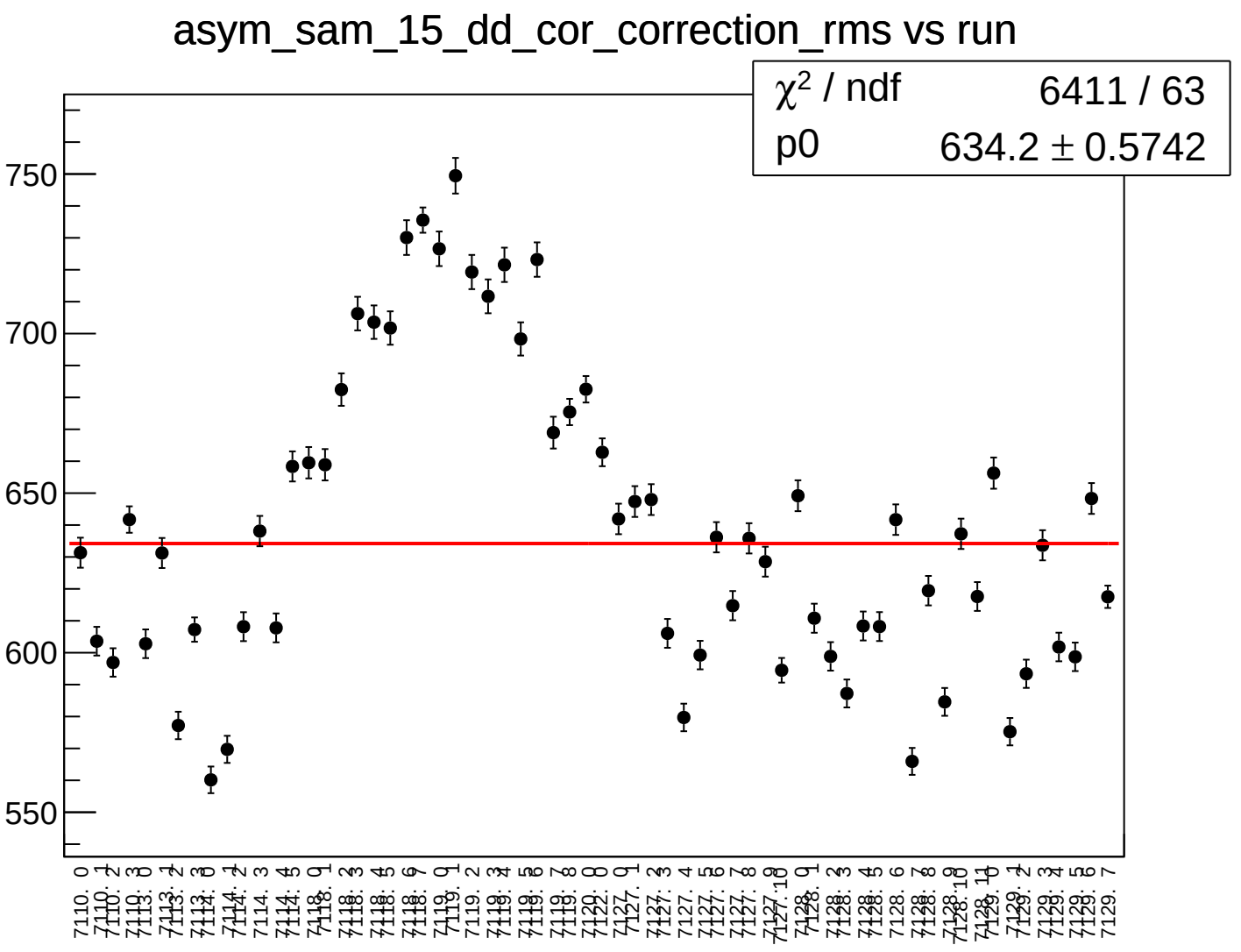

cor_asym_sam_15_dd_mean vs run
χ² / ndf 46.77 / 63
p0 −180.9 ± 143.8
pull
Entries 64
Mean 233.3
Std Dev 0

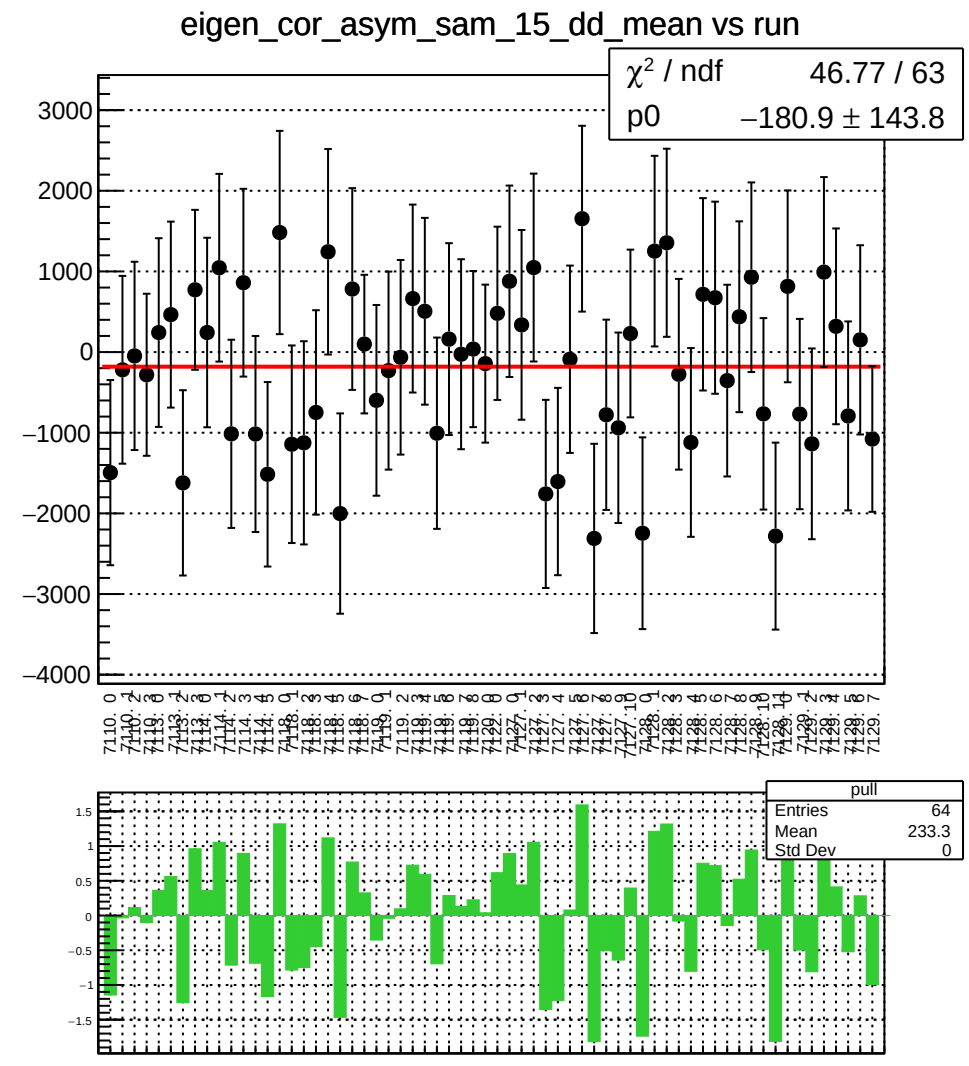

pull1D
Entries 64
Mean −0.001035
Std Dev 0.8549

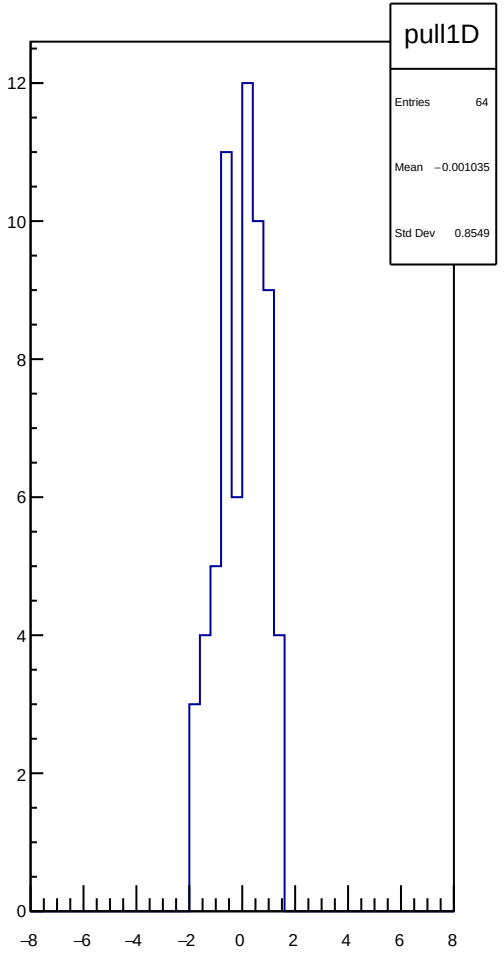

cor_asym_sam_15_dd_rms vs run
χ² / ndf 637.6 / 63
p0 112.5 ± 0.1016
122
120
118
116
114
112
110
108

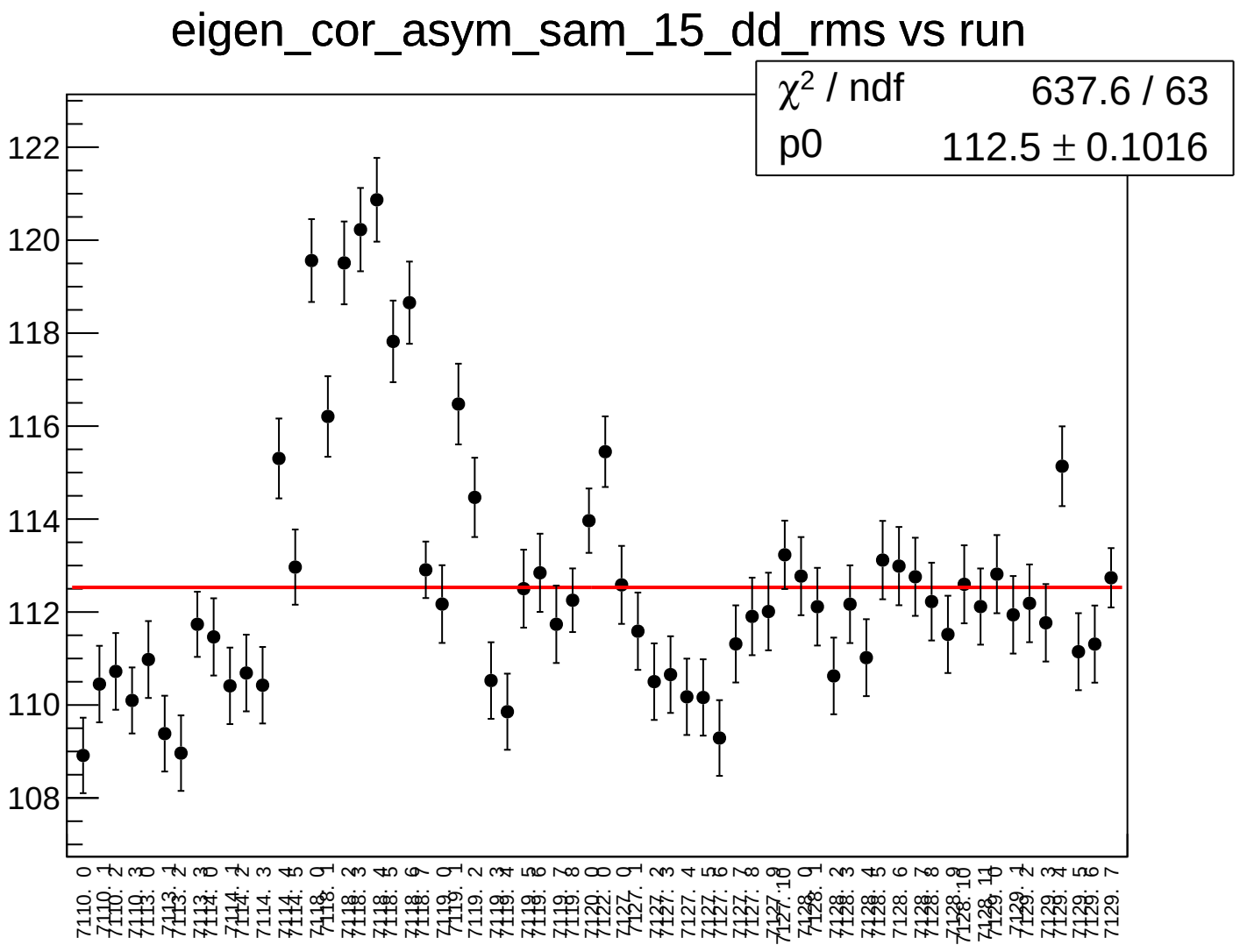

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 50.93 / 63
p0 461.8 ± 812.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 15.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

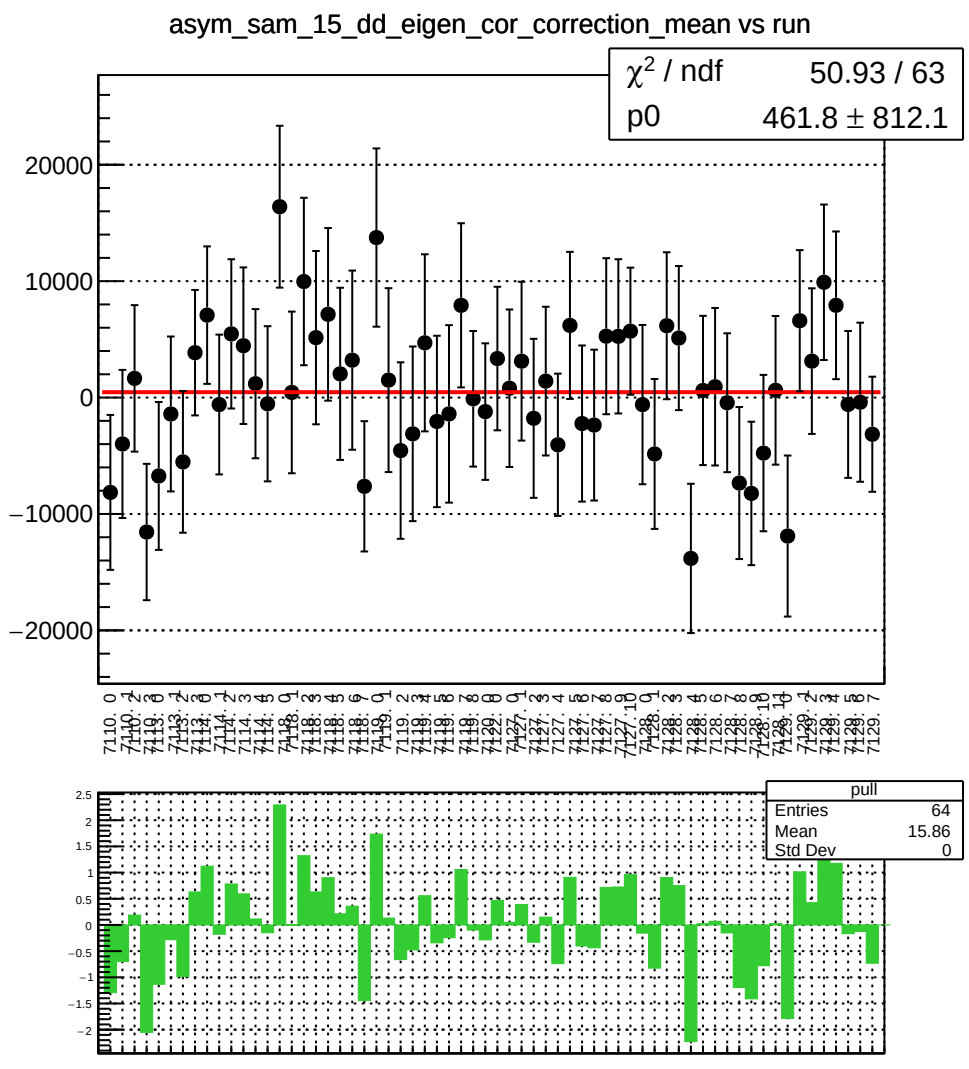

pull1D
Entries 64
Mean 0.01583
Std Dev 0.8919
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

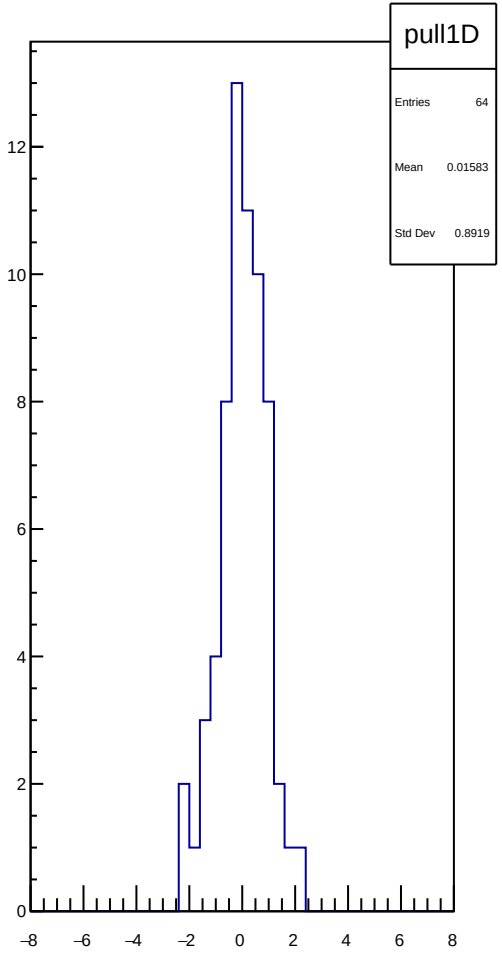

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 6411 / 63
p0 634.2 ± 0.5742
750
700
650
600
550

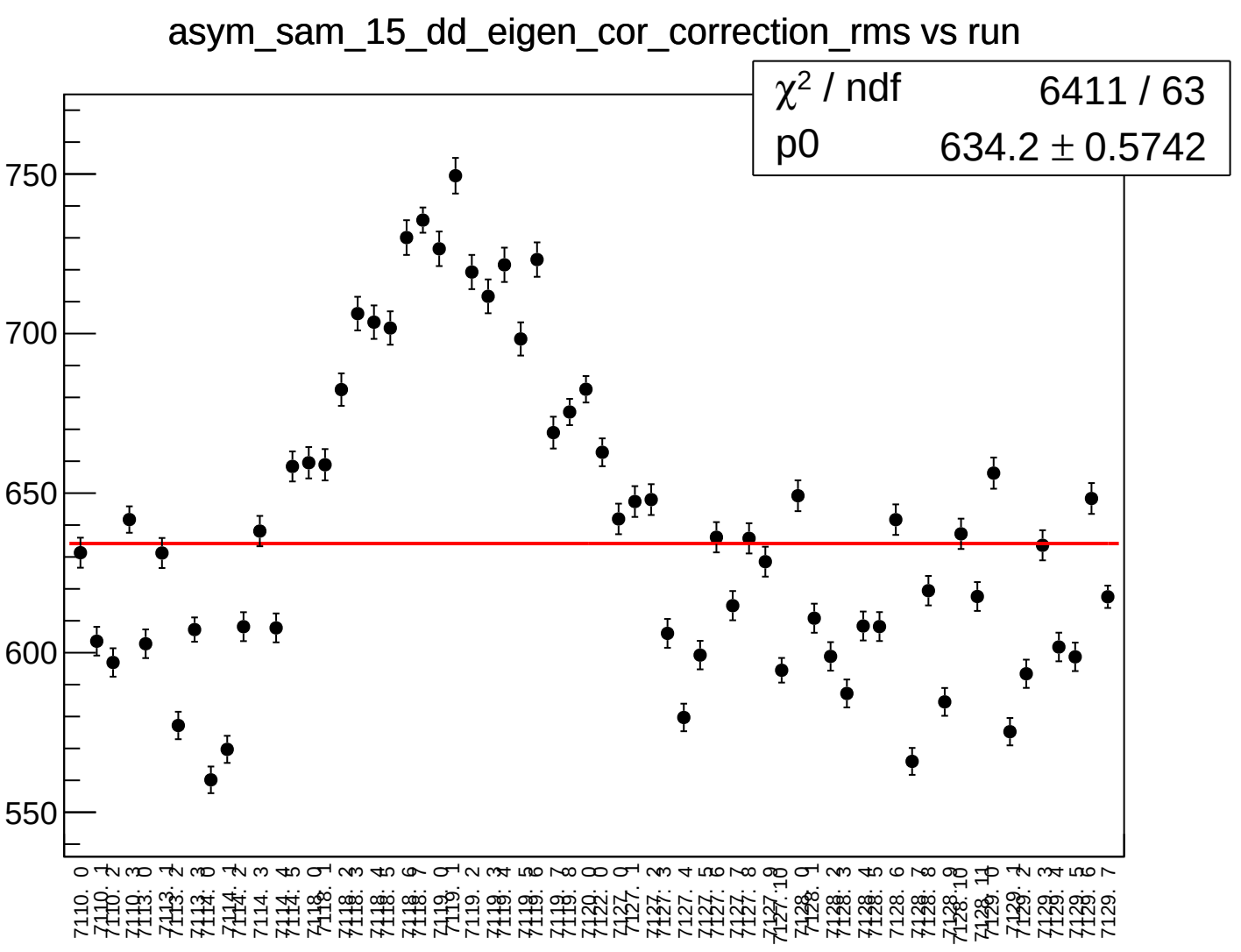

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 46.77 / 63
p0 −180.9 ± 143.8
pull
Entries 64
Mean 233.3
Std Dev 0

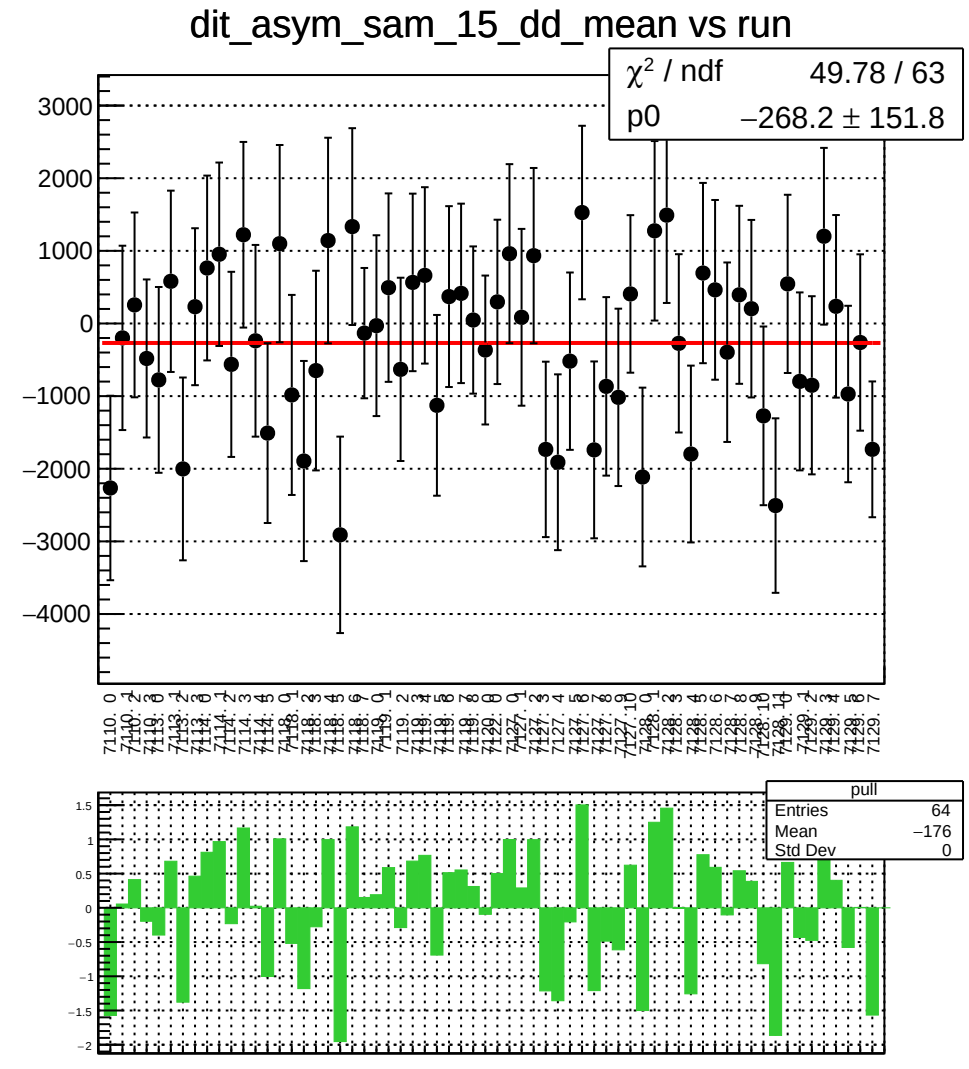

pull1D
Entries 64
Mean −0.001035
Std Dev 0.8549

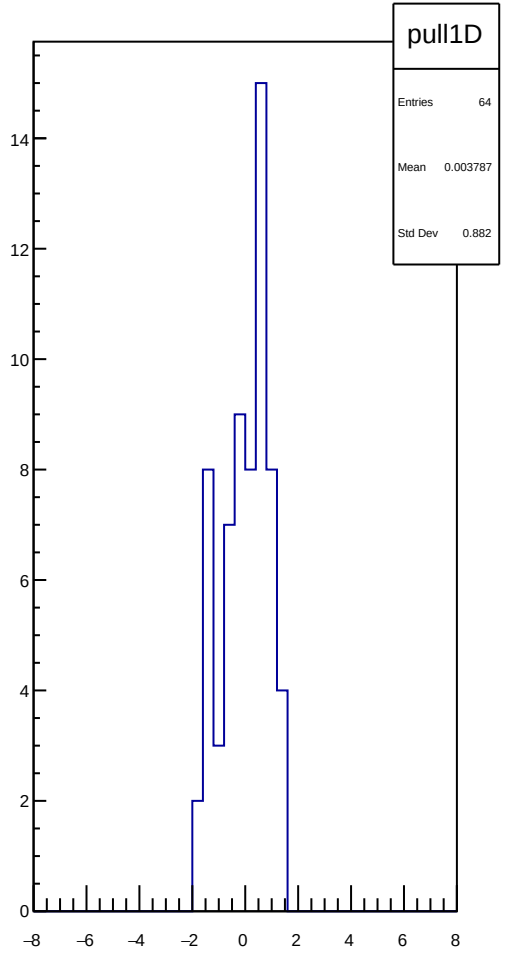

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 637.6 / 63
p0 112.5 ± 0.1016
122
120
118
116
114
112
110
108

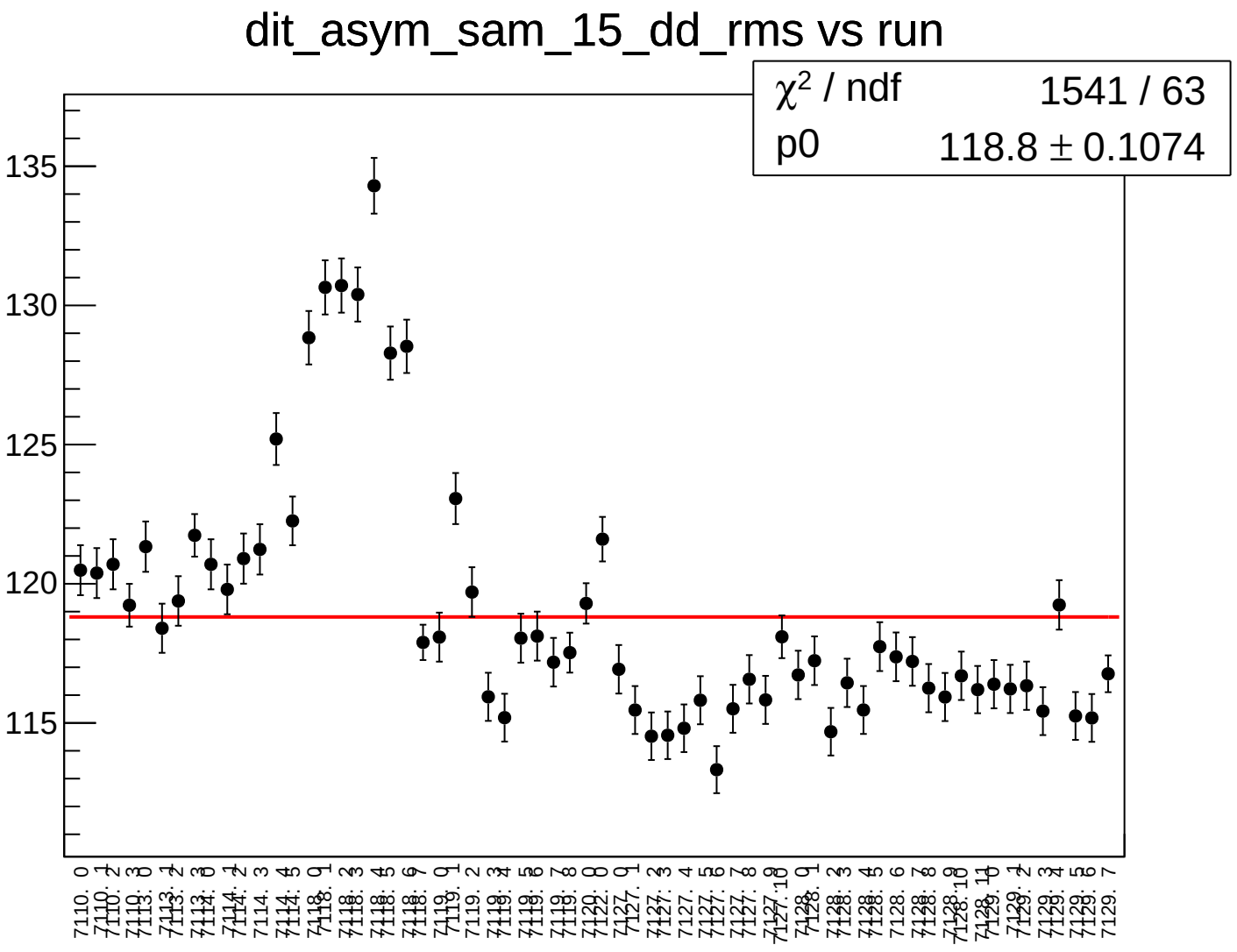

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.93 / 63
p0 461.8 ± 812.1
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 15.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

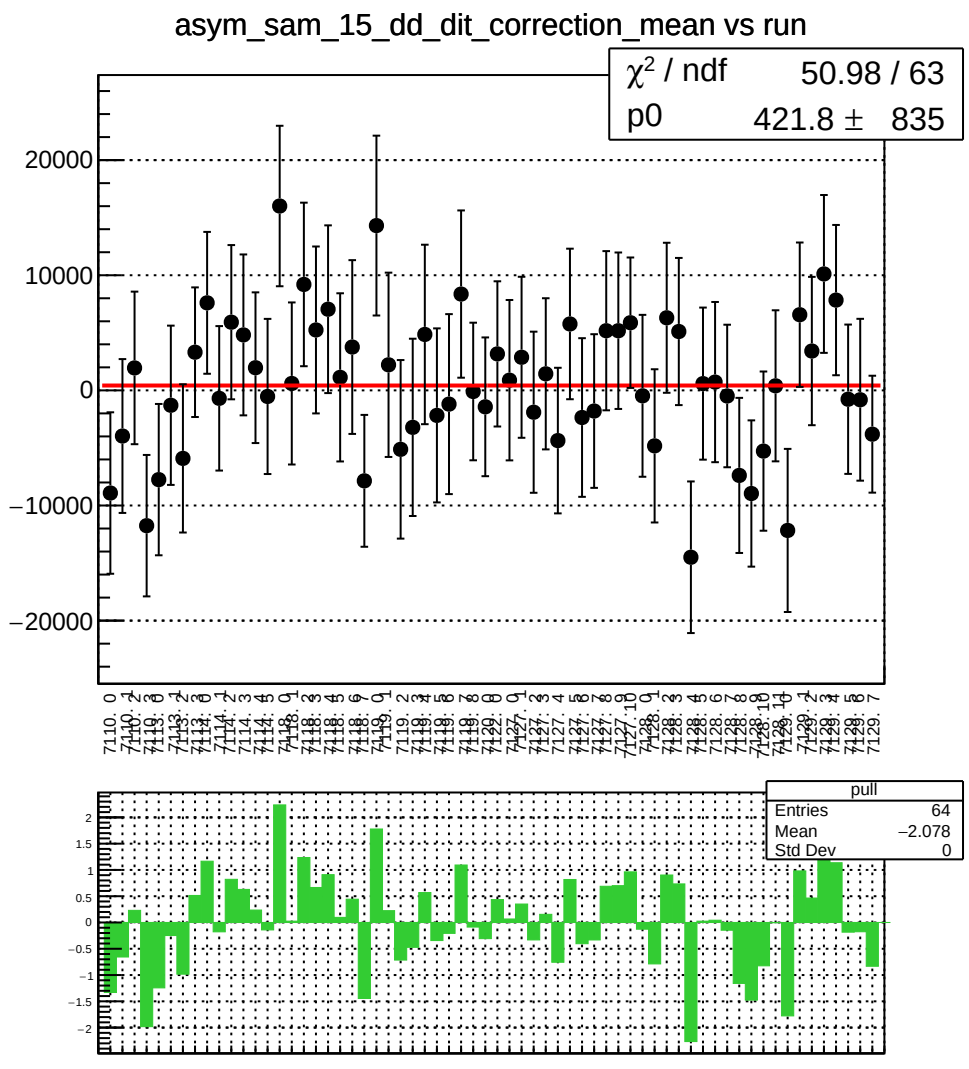

pull1D
Entries 64
Mean 0.01583
Std Dev 0.8919
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

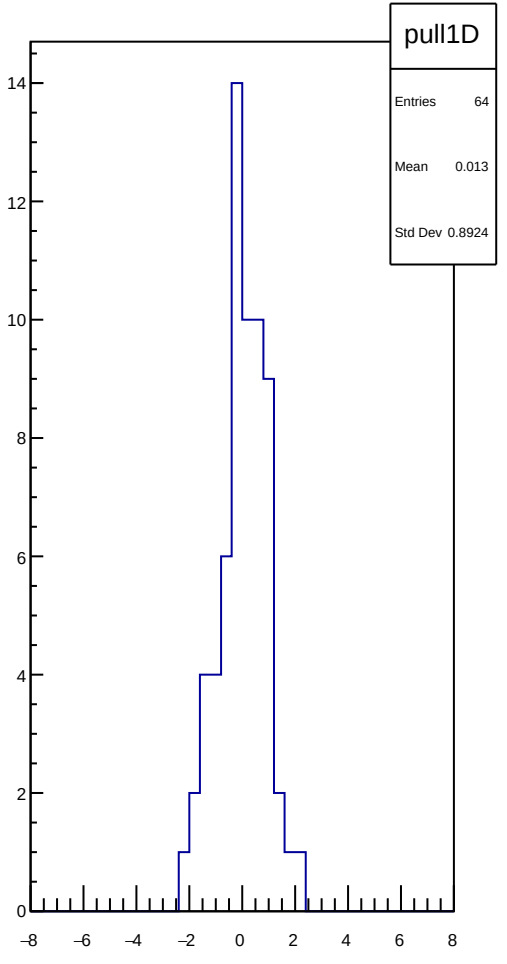

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 6411 / 63
p0 634.2 ± 0.5742
750
700
650
600
550

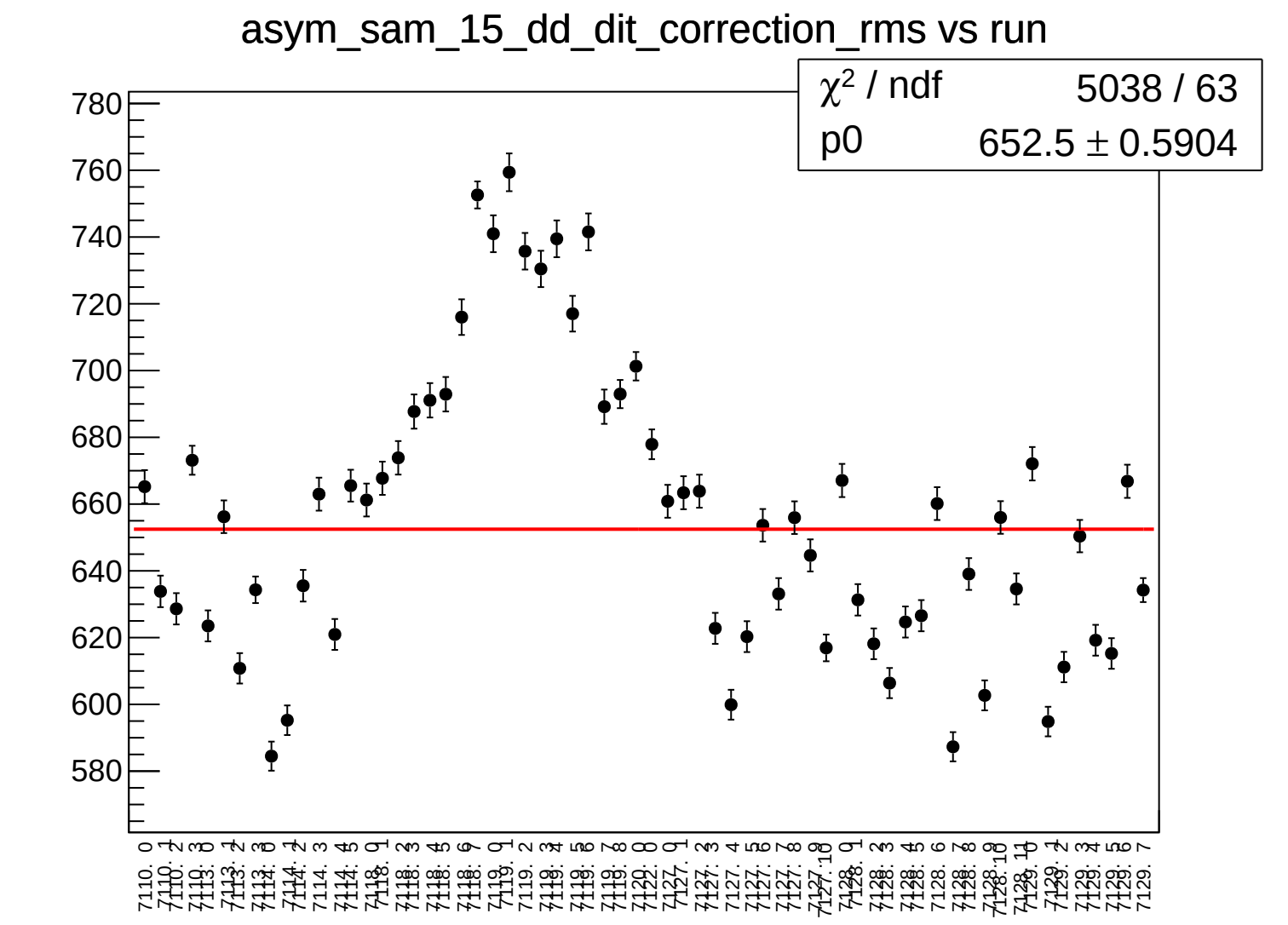

dit_asym_sam_15_dd_mean vs run
χ² / ndf 49.78 / 63
p0 −268.2 ± 151.8
pull
Entries 64
Mean −176
Std Dev 0

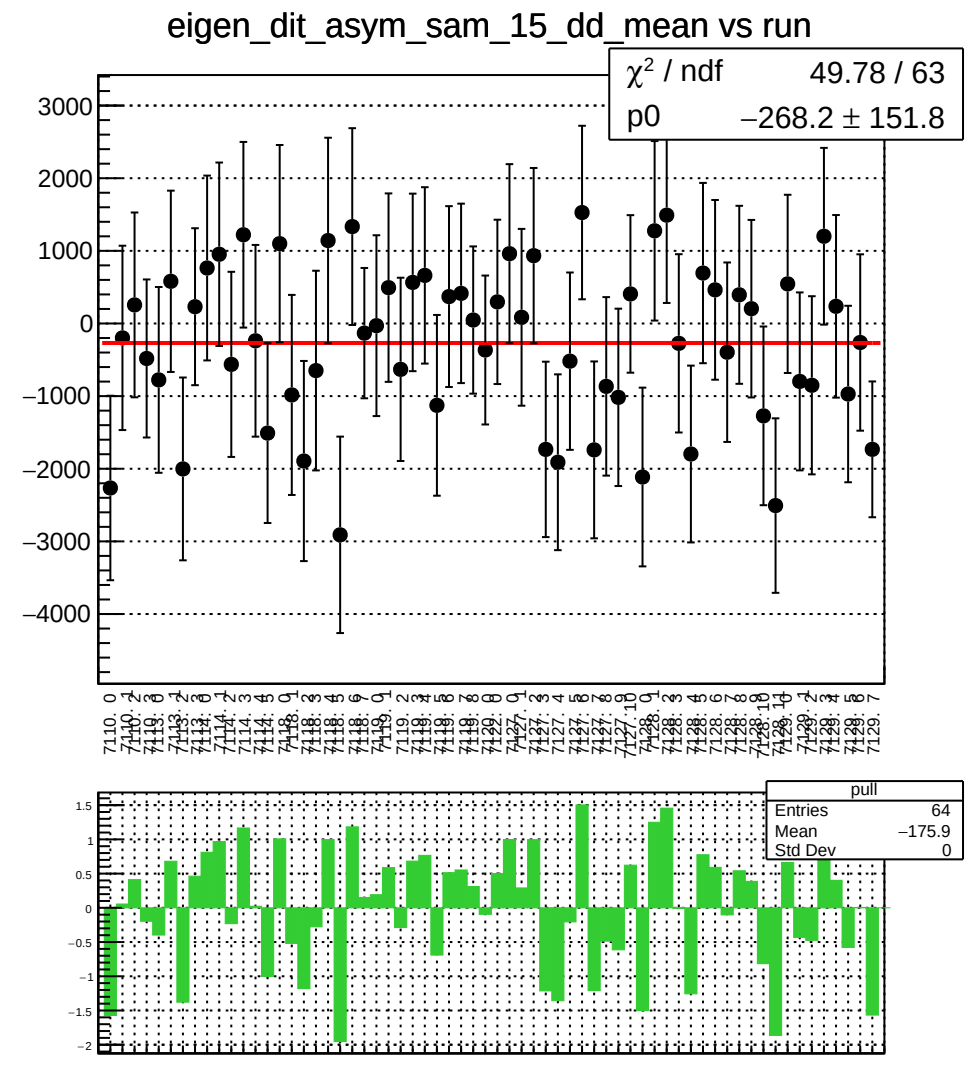

pull1D
Entries 64
Mean 0.003787
Std Dev 0.882

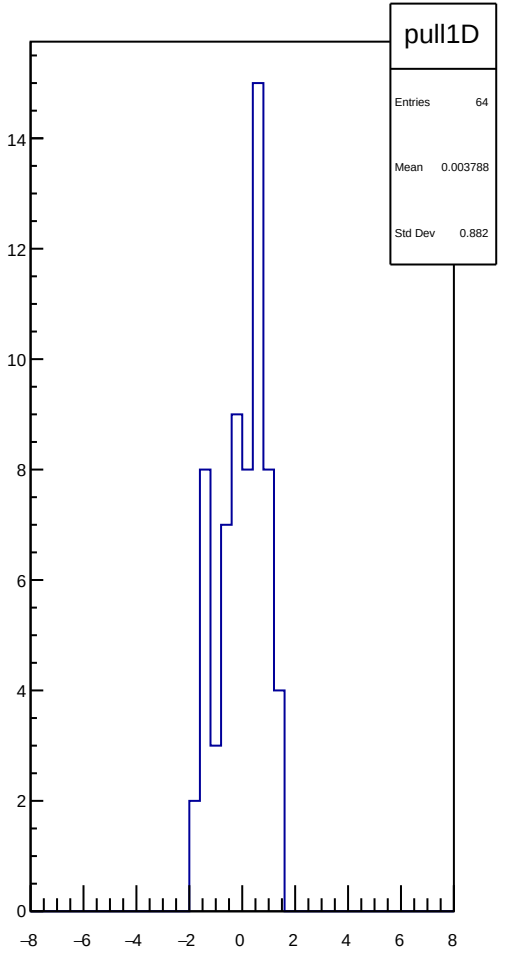

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1541 / 63
p0 118.8 ± 0.1074
135
130
125
120
115

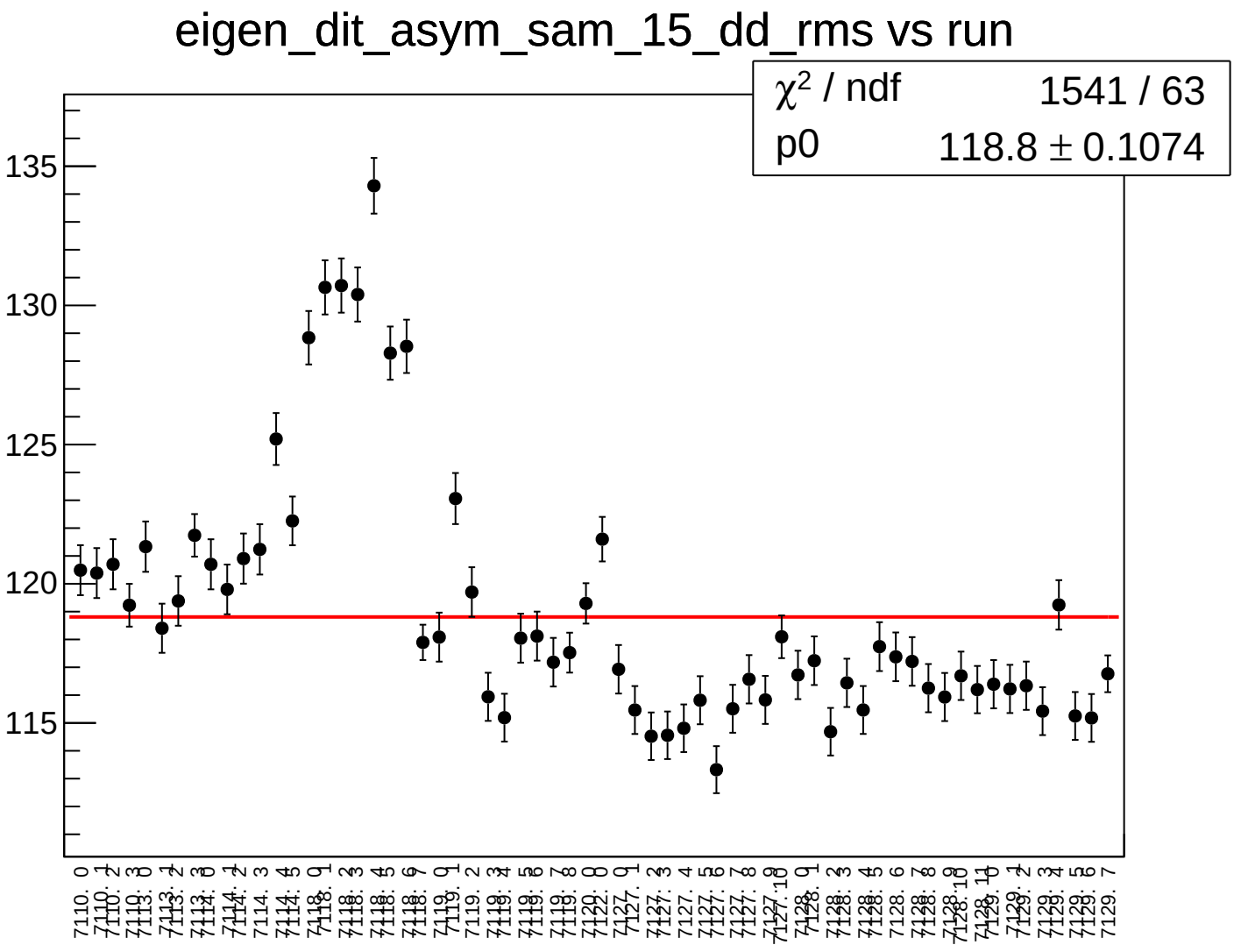

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 50.98 / 63
p0 421.8 ± 835
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −2.078
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

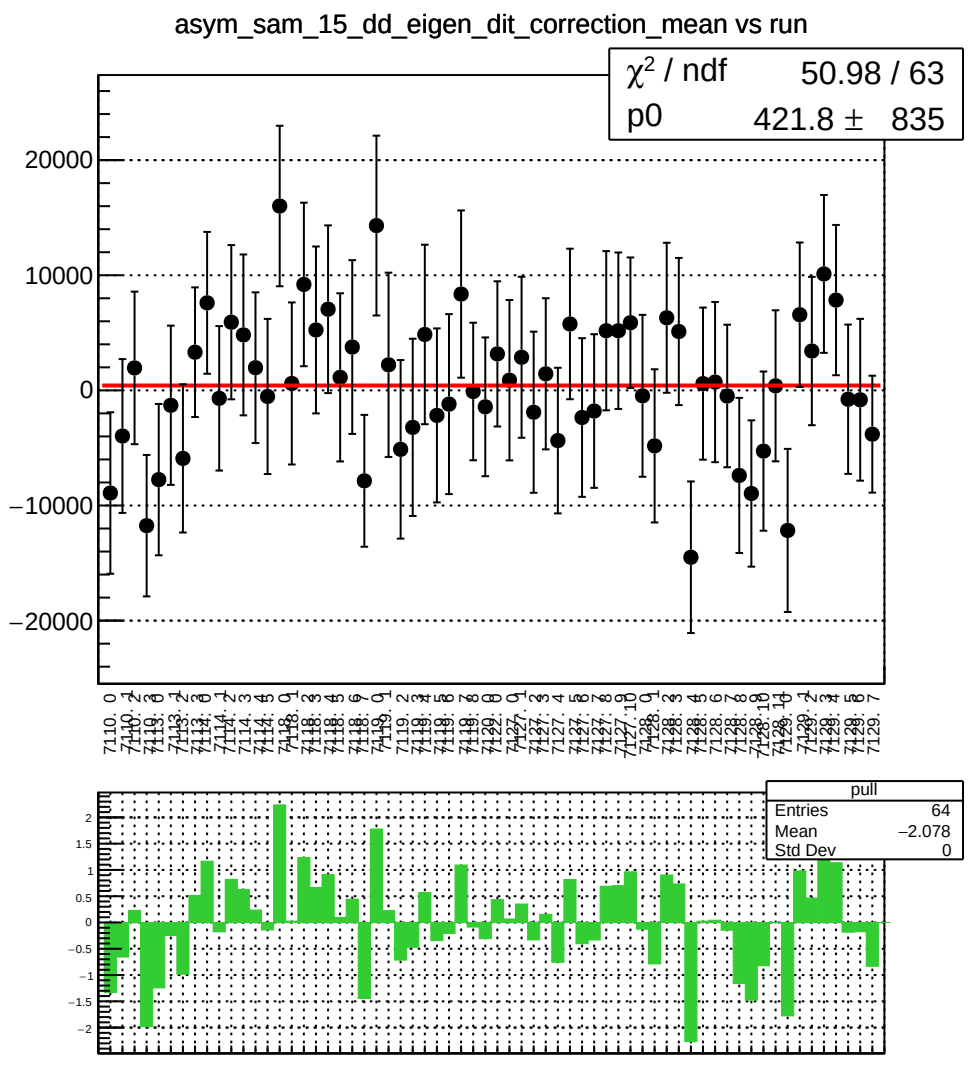

pull1D
Entries 64
Mean 0.013
Std Dev 0.8924
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

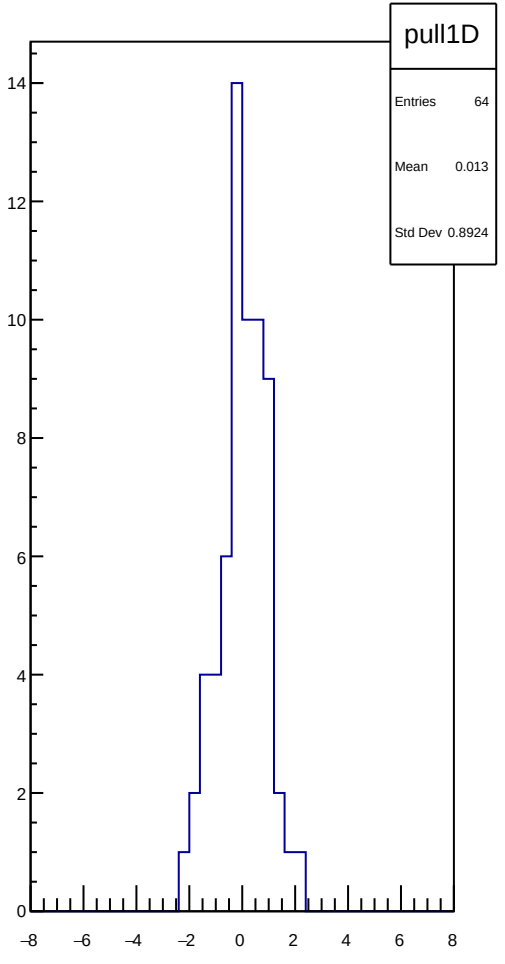

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 5038 / 63
p0 652.5 ± 0.5904
780
760
740
720
700
680
660
640
620
600
580

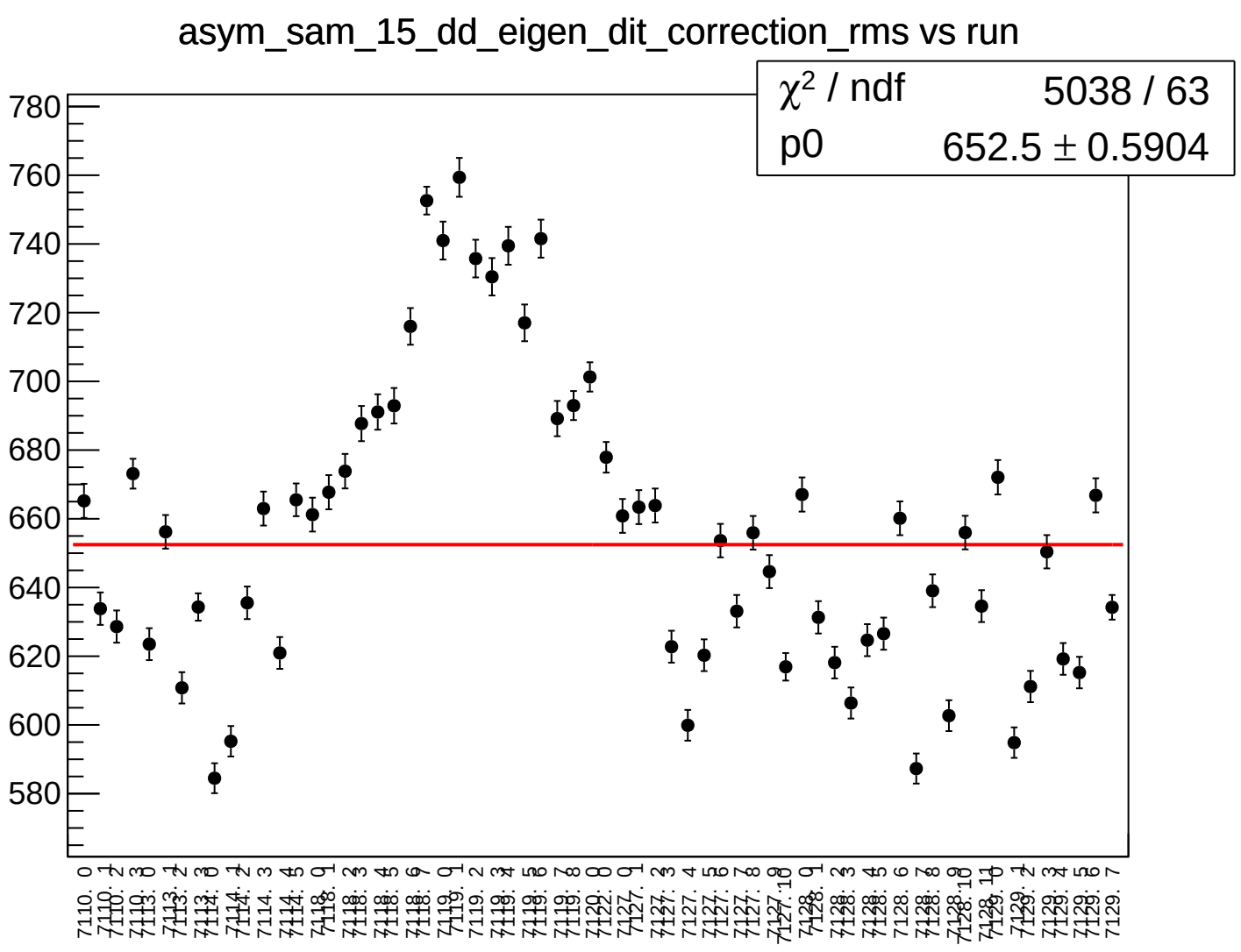

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 49.78 / 63
p0 −268.2 ± 151.8
pull
Entries 64
Mean −175.9
Std Dev 0

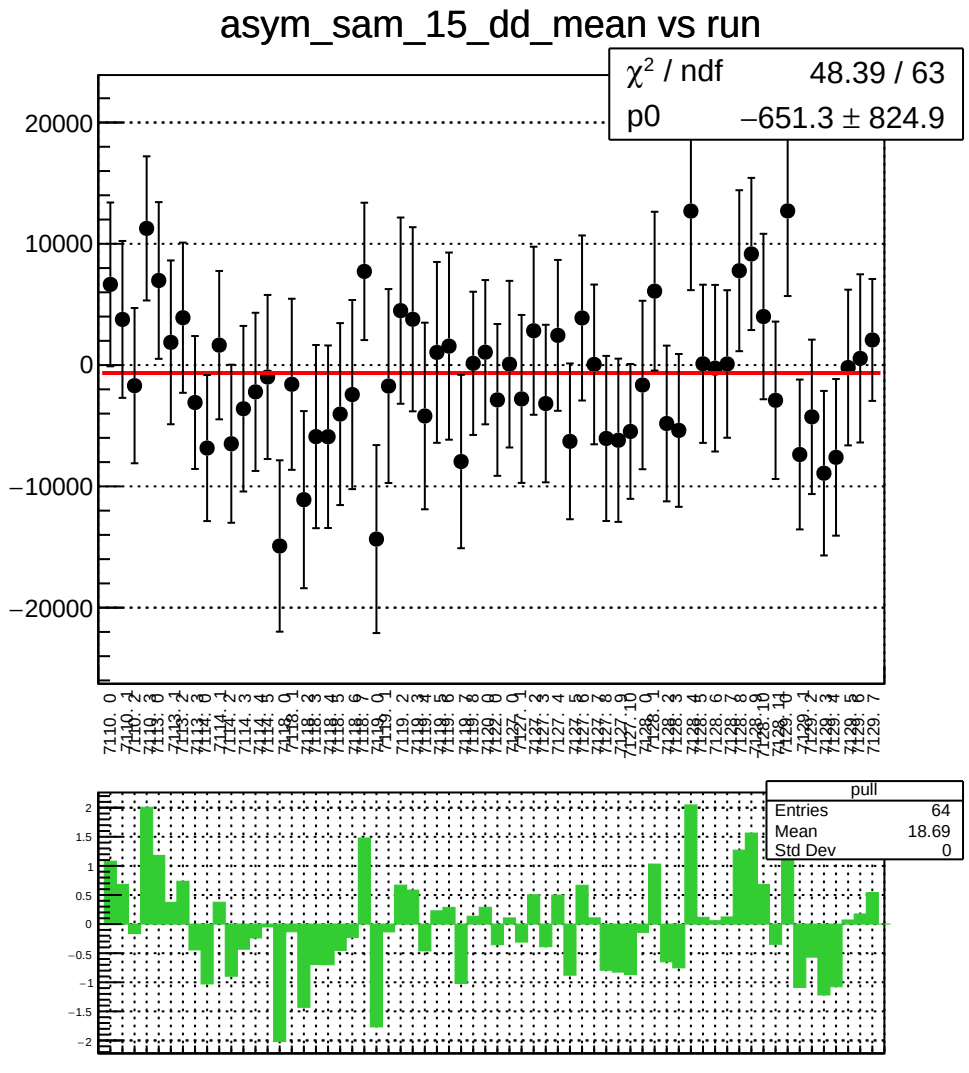

pull1D
Entries 64
Mean 0.003788
Std Dev 0.882

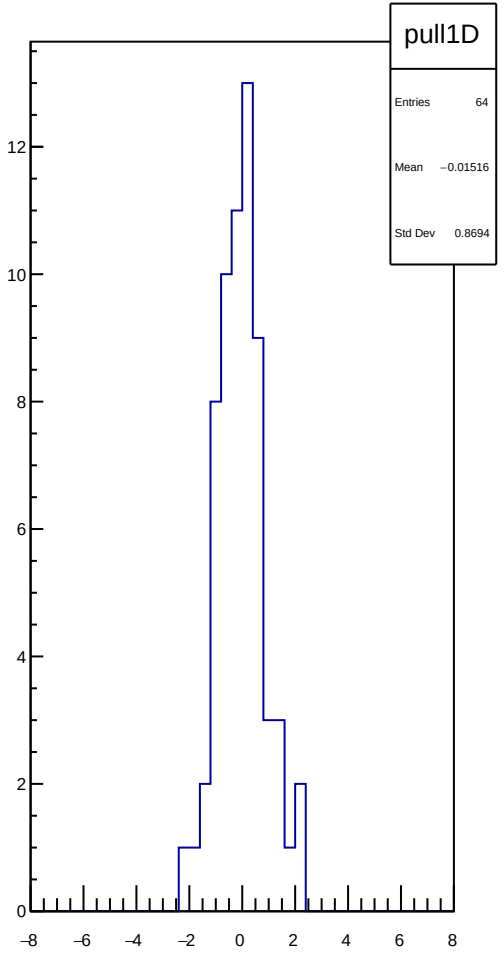

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 1541 / 63
p0 118.8 ± 0.1074
135
130
125
120
115

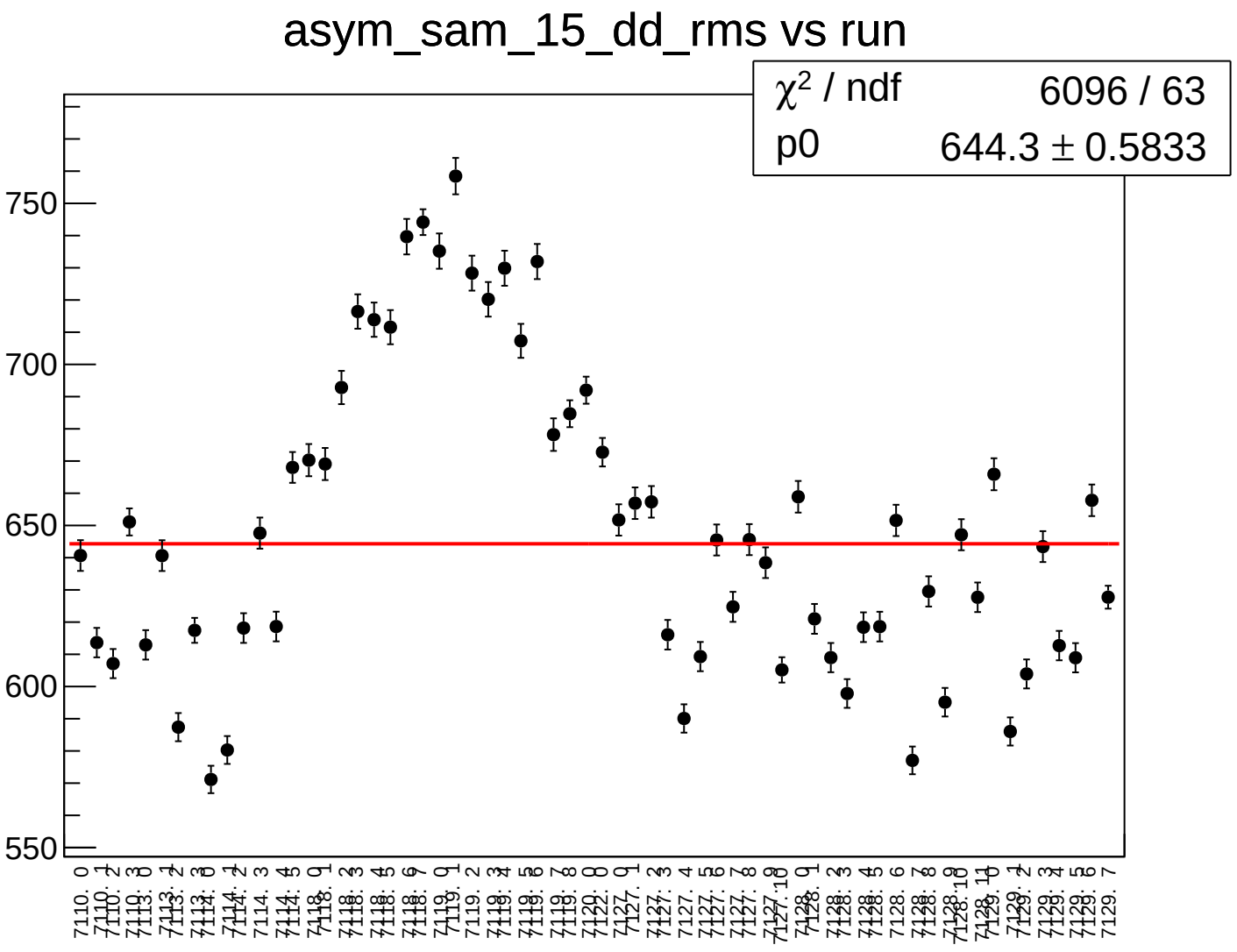

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.98 / 63
p0 421.8 ± 835
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −2.078
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

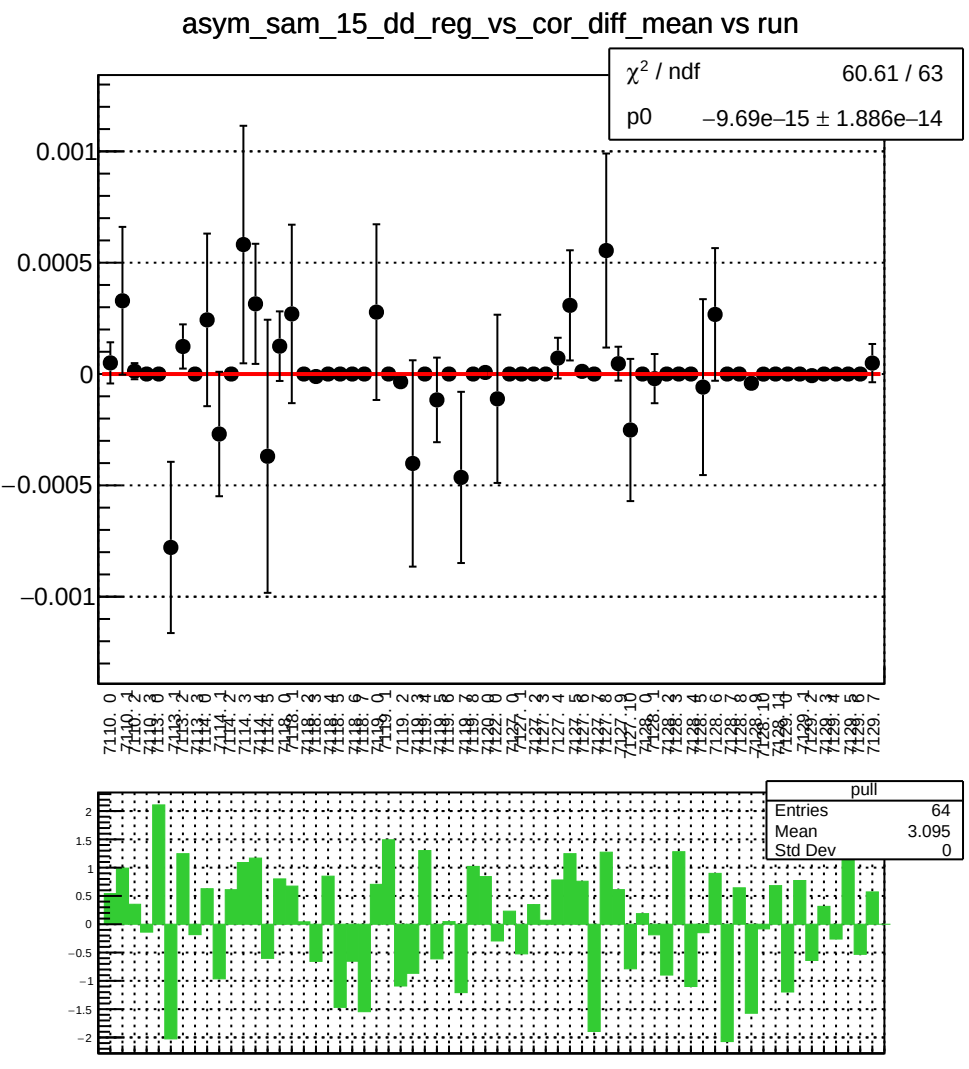

pull1D
Entries 64
Mean 0.013
Std Dev 0.8924
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

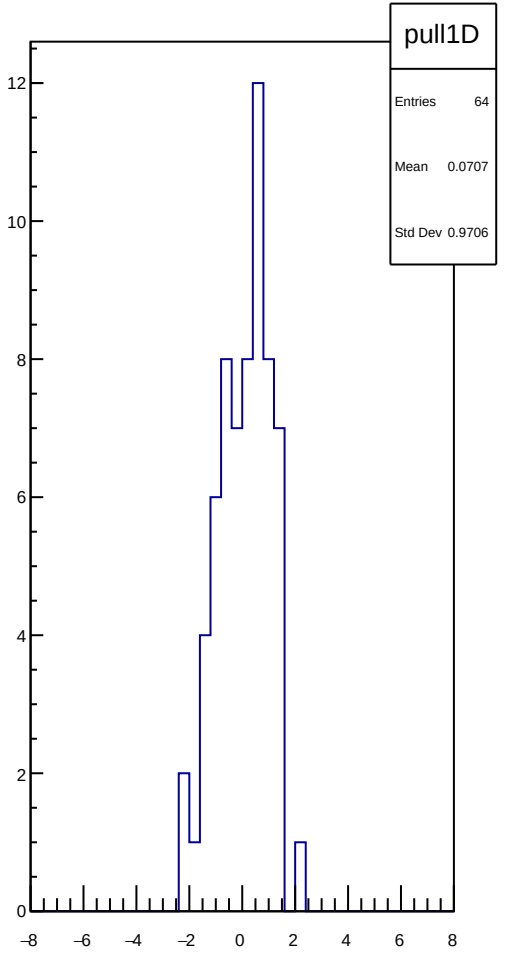

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 5038 / 63
p0 652.5 ± 0.5904
780
760
740
720
700
680
660
640
620
600
580

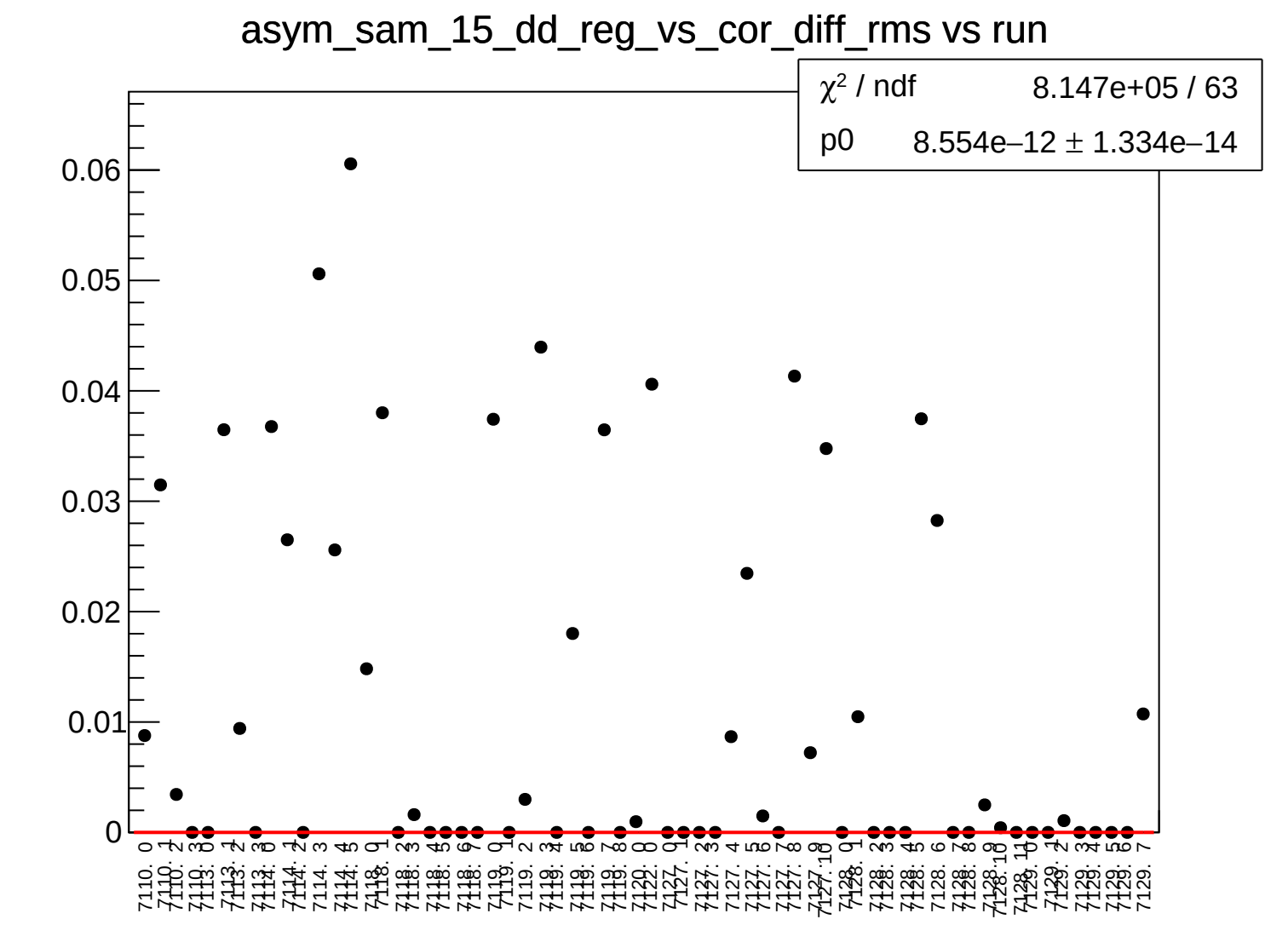

asym_sam_15_dd_mean vs run
χ² / ndf 48.39 / 63
p0 −651.3 ± 824.9
20000
10000
0
−10000
−20000
pull
Entries 64
Mean 18.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

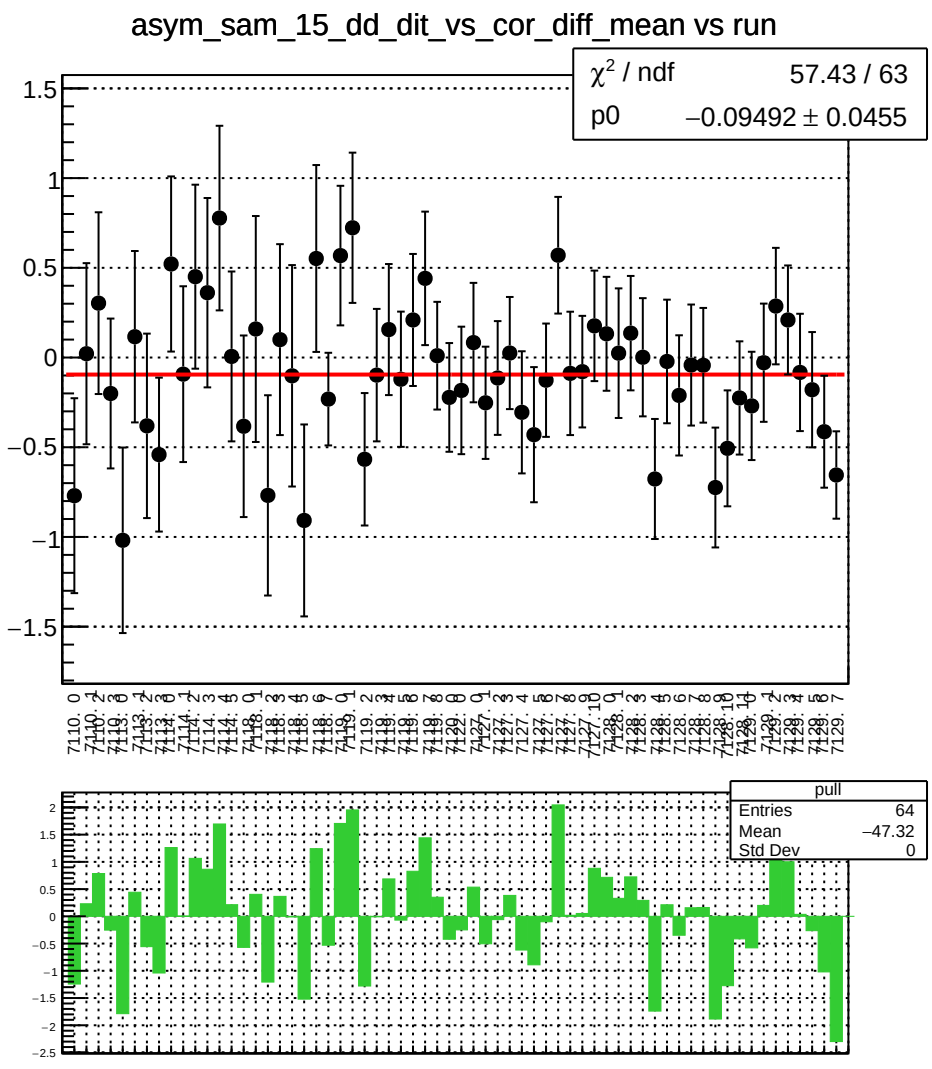

pull1D
Entries 64
Mean −0.01516
Std Dev 0.8694
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

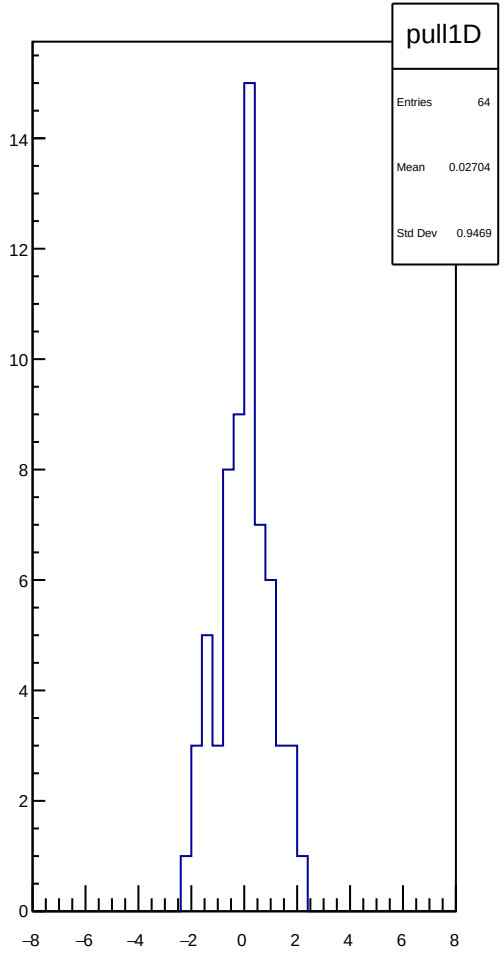

asym_sam_15_dd_rms vs run
χ² / ndf 6096 / 63
p0 644.3 ± 0.5833
750
700
650
600
550
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

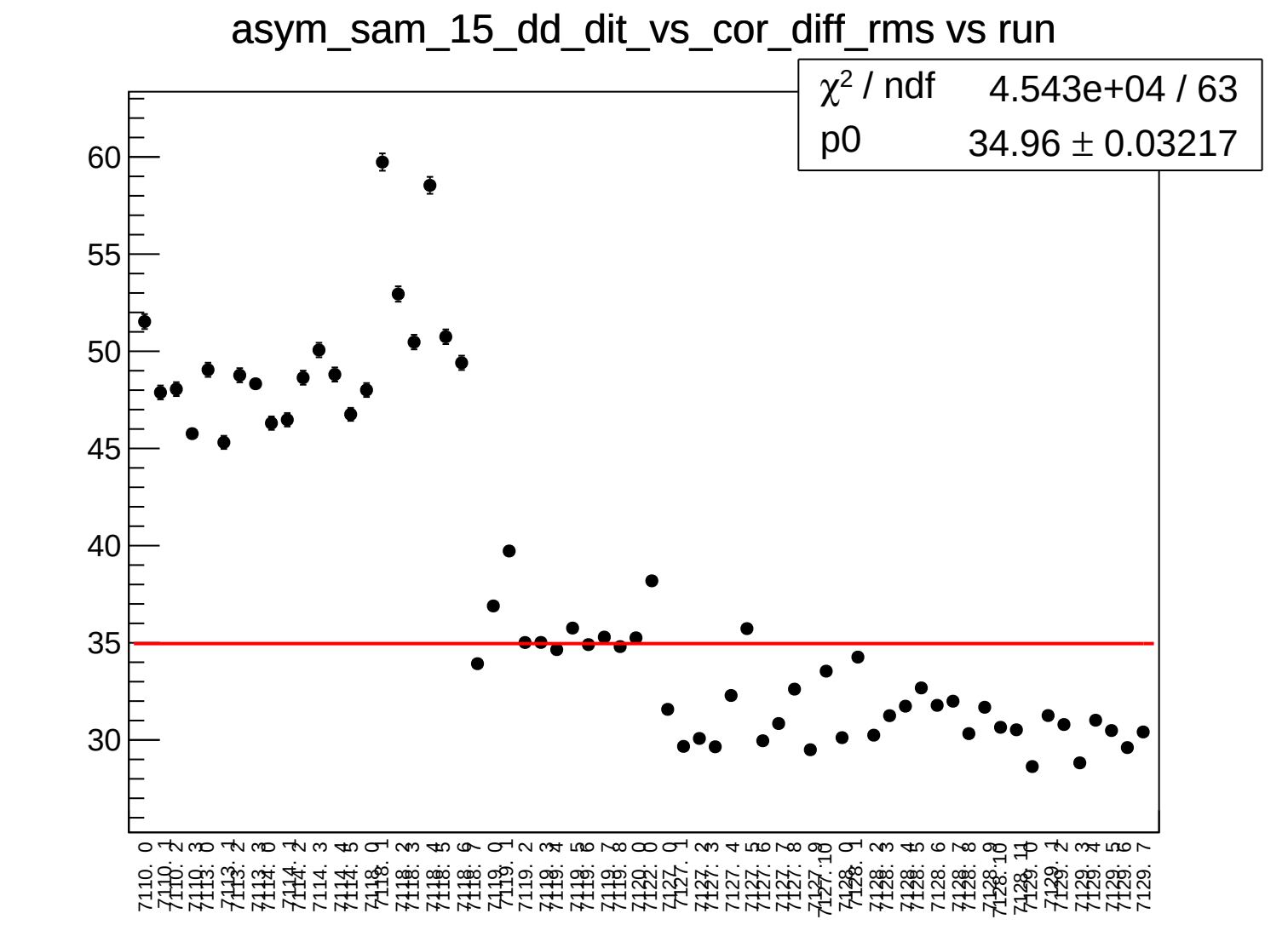

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.61 / 63
p0 −9.69e−15 ± 1.886e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 3.095
Std Dev 0

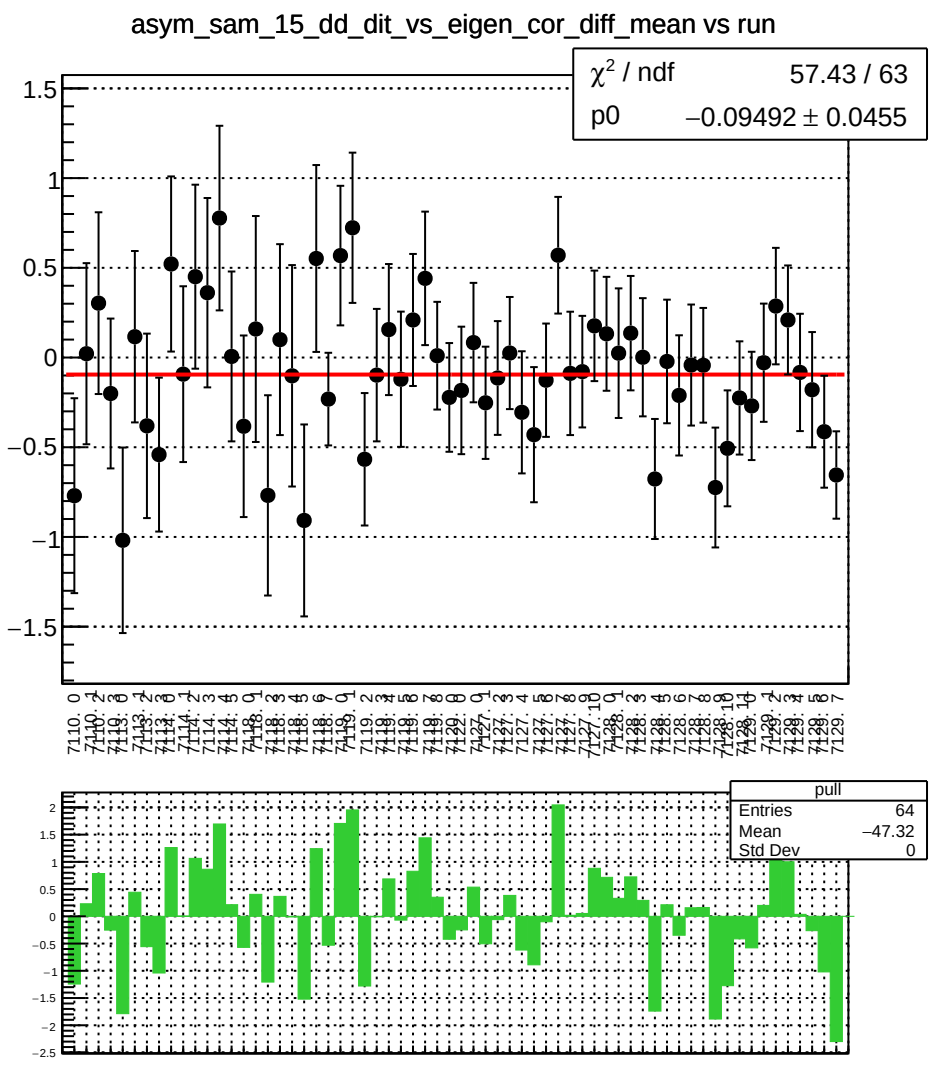

pull1D
Entries 64
Mean 0.0707
Std Dev 0.9706
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

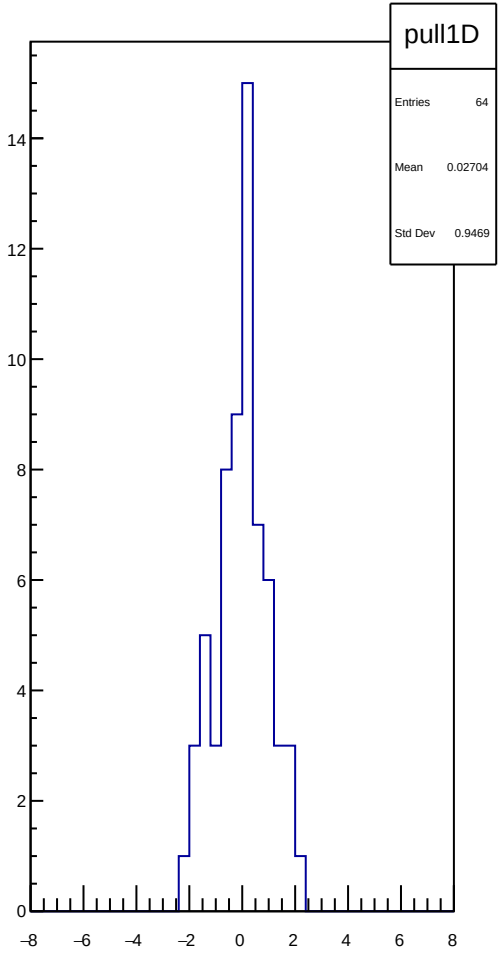

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.147e+05 / 63
p0 8.554e−12 ± 1.334e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

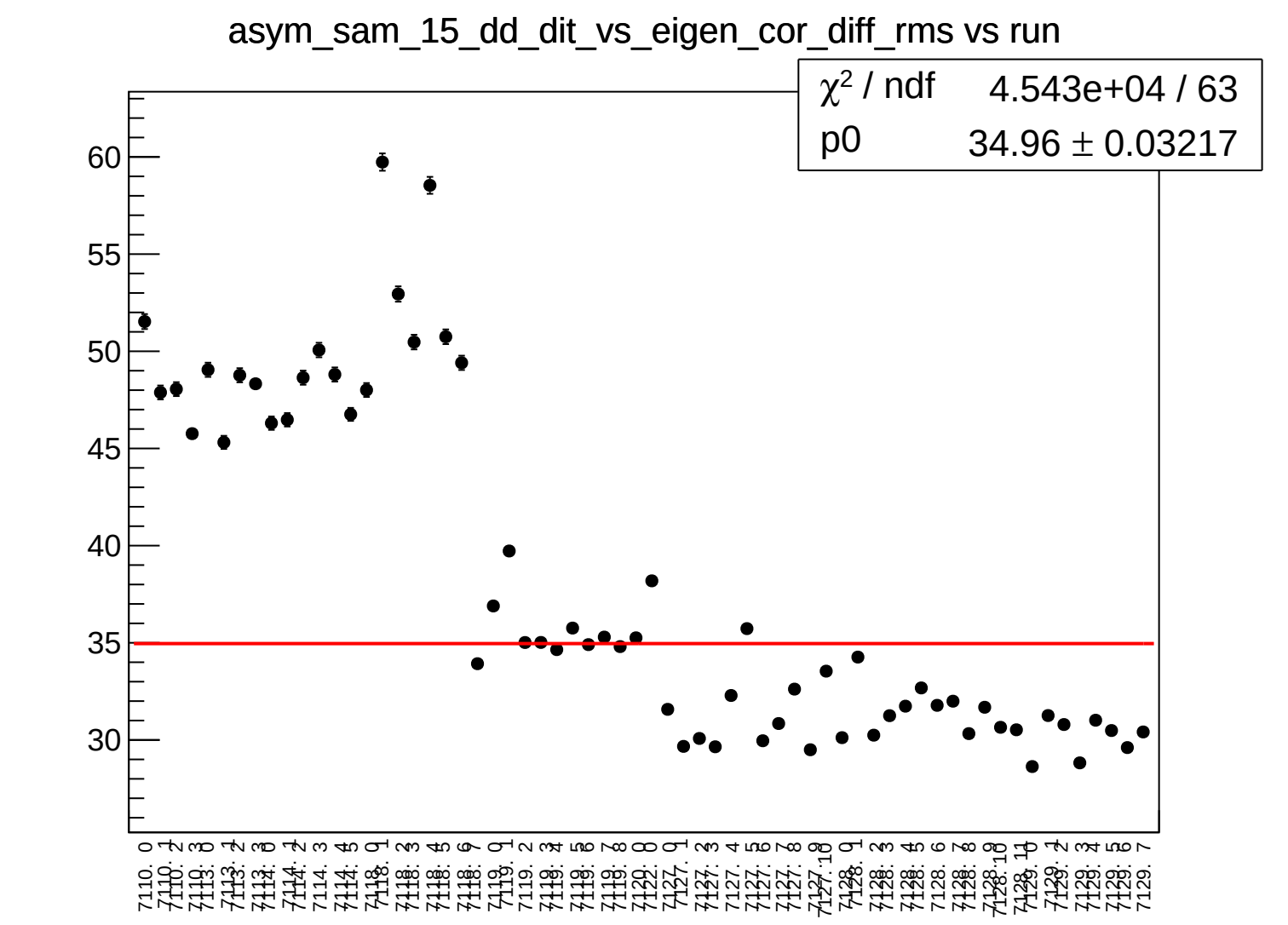

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.43 / 63
p0 −0.09492 ± 0.0455
pull
Entries 64
Mean −47.32
Std Dev 0

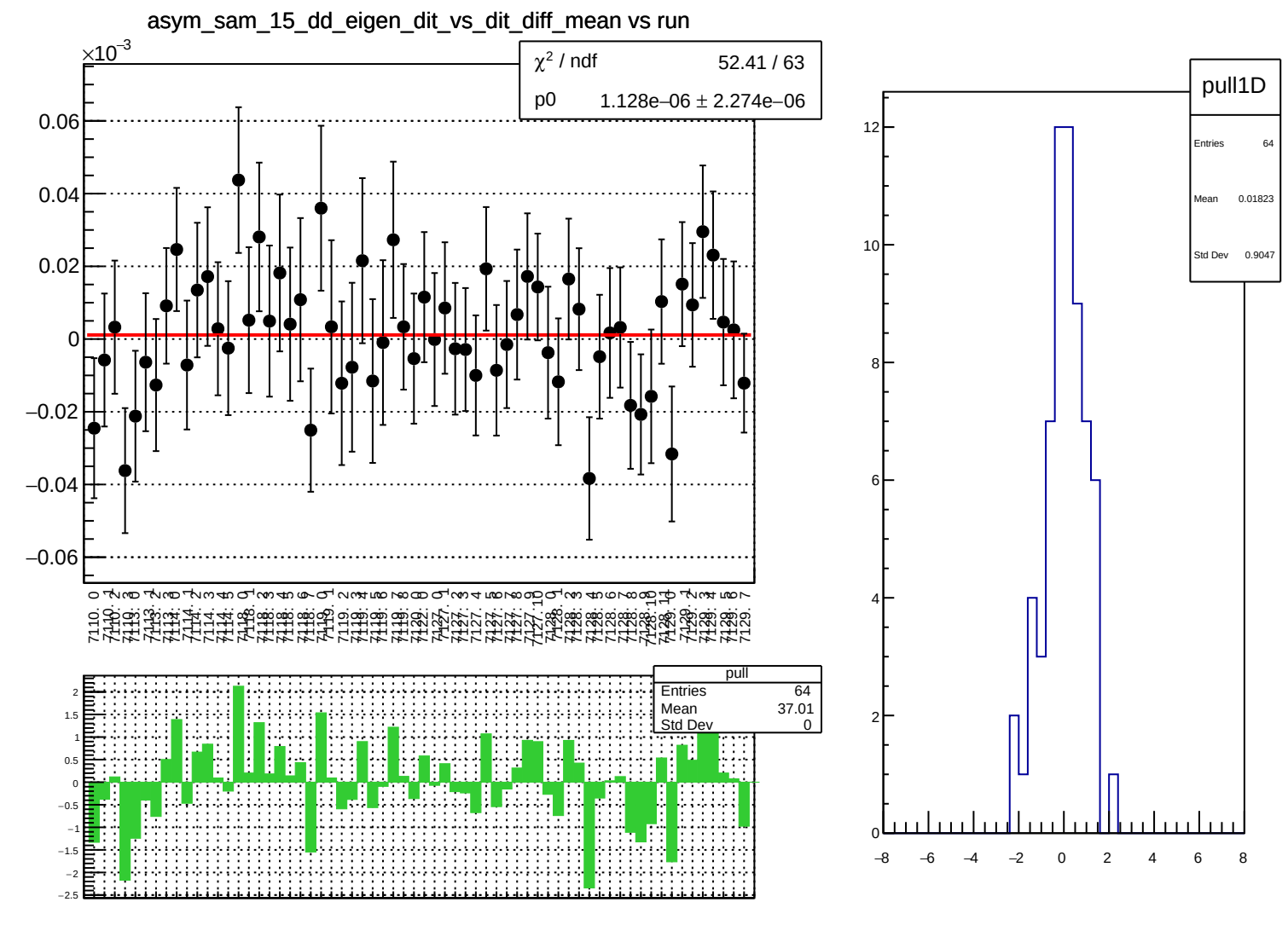

pull1D
Entries 64
Mean 0.02704
Std Dev 0.9469

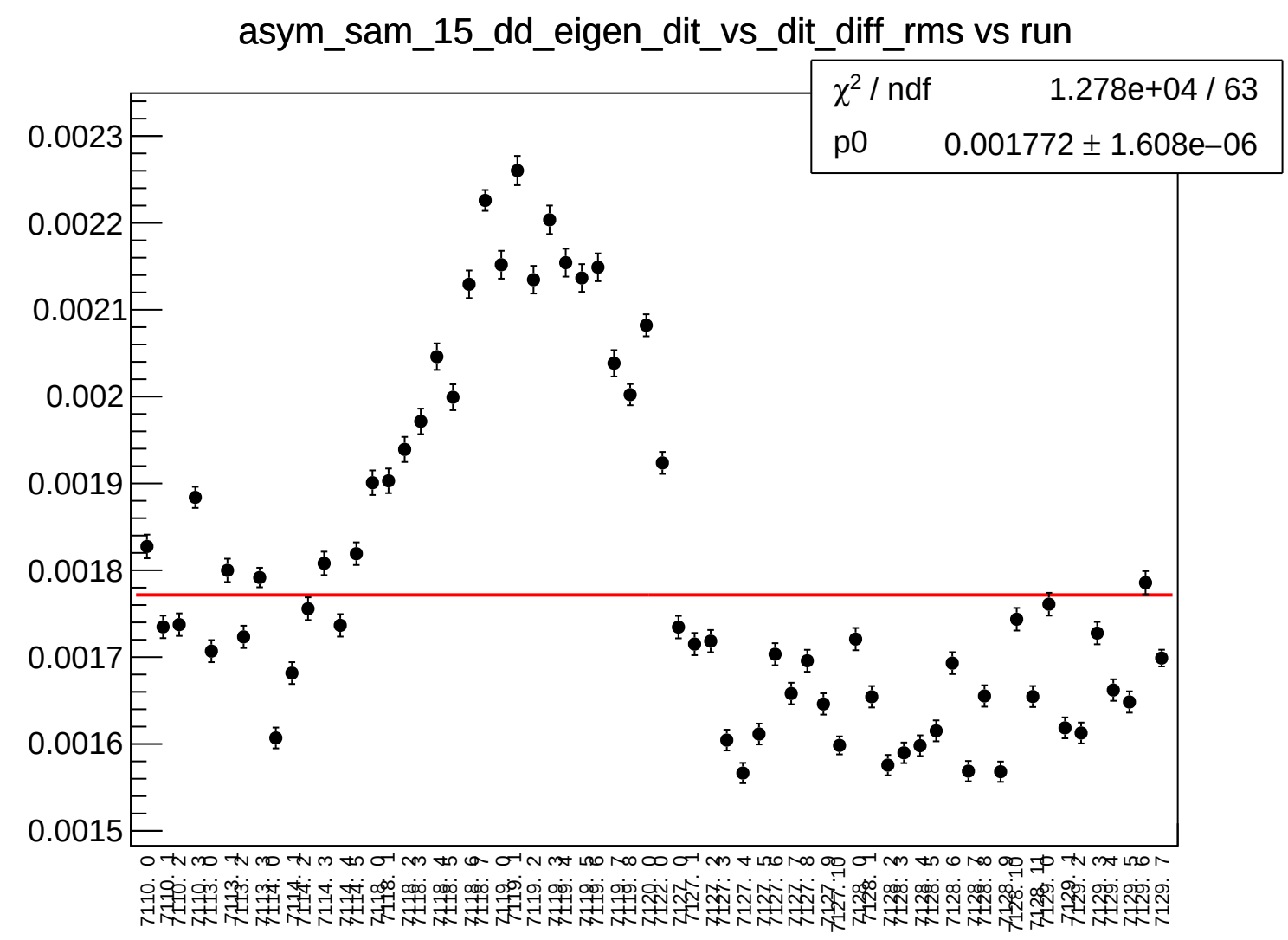

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.543e+04 / 63
p0 34.96 ± 0.03217
60
55
50
45
40
35
30

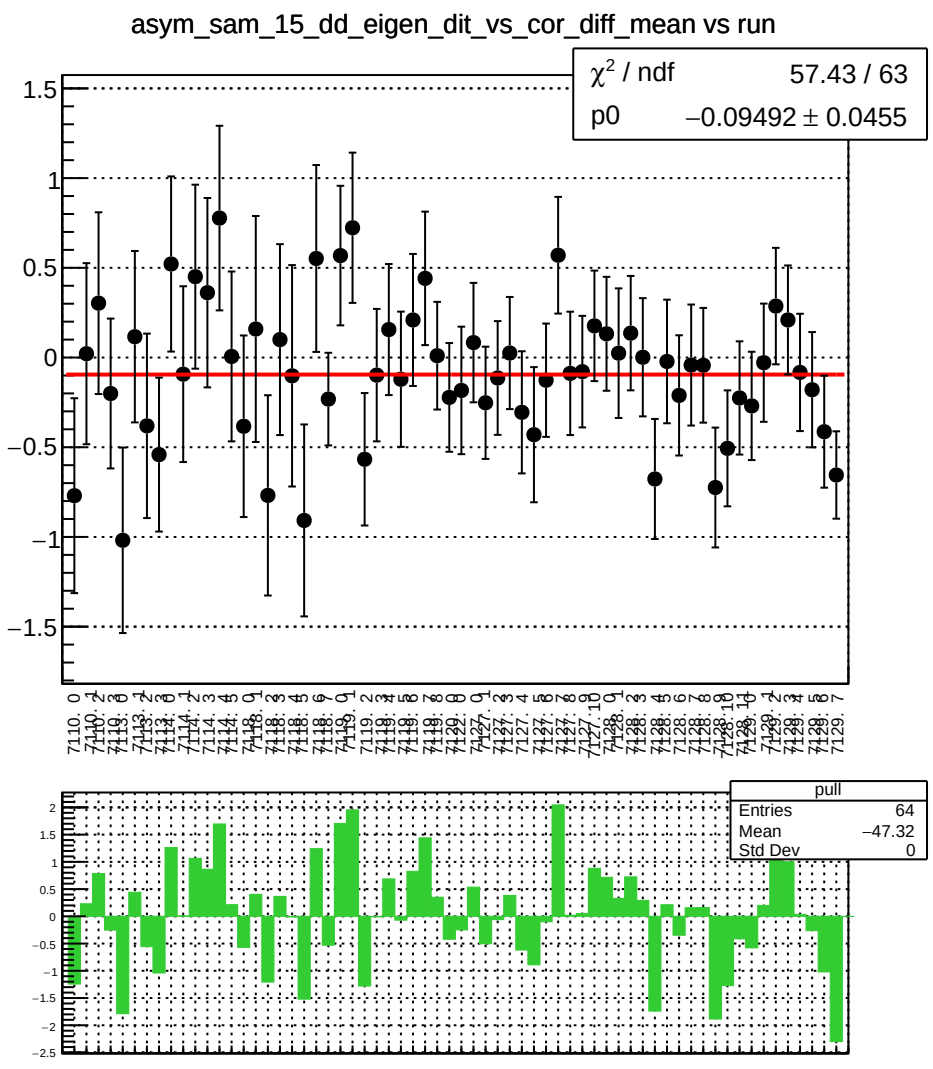

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.43 / 63
p0 −0.09492 ± 0.0455
pull
Entries 64
Mean −47.32
Std Dev 0

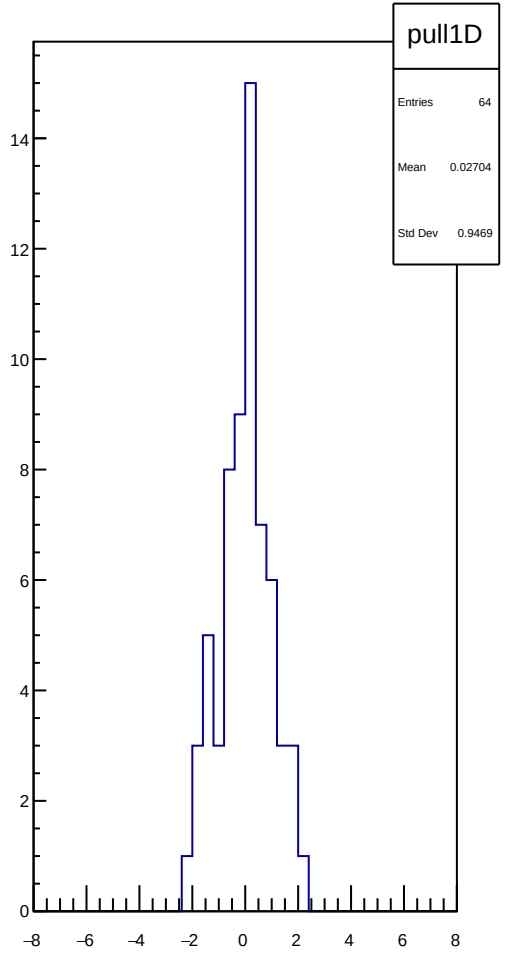

pull1D
Entries 64
Mean 0.02704
Std Dev 0.9469

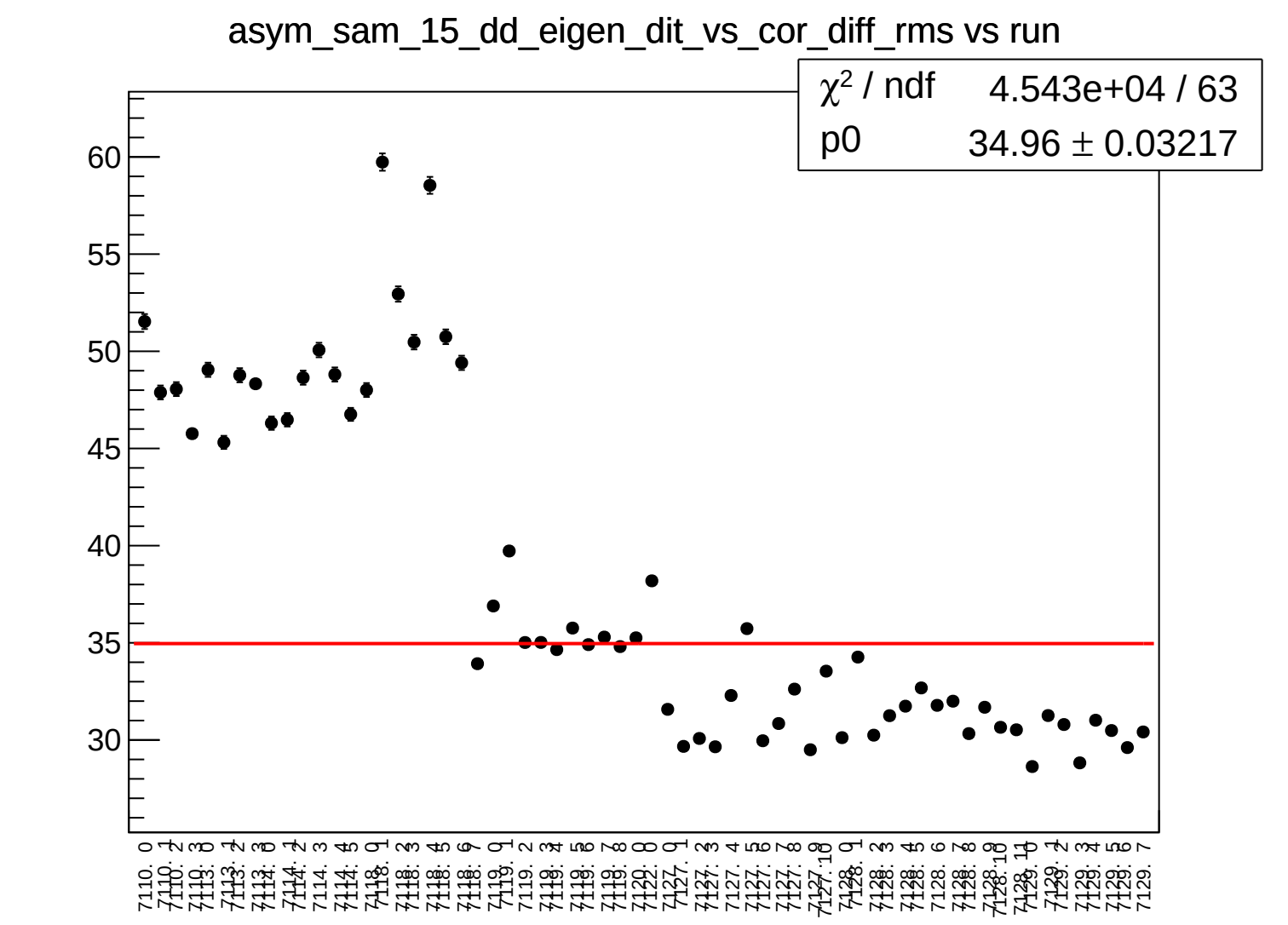

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.543e+04 / 63
p0 34.96 ± 0.03217
60
55
50
45
40
35
30

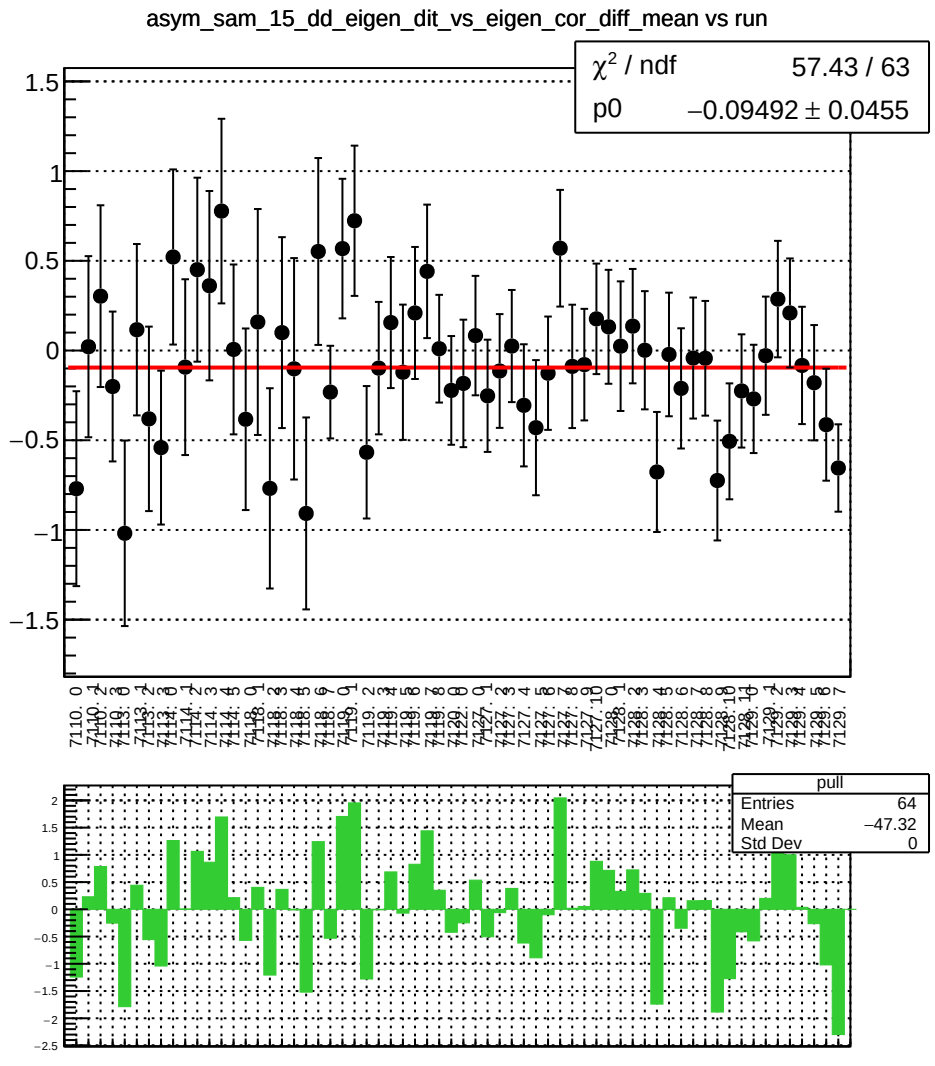

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.41 / 63
p0 1.128e−06 ± 2.274e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 37.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 64
Mean 0.01823
Std Dev 0.9047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

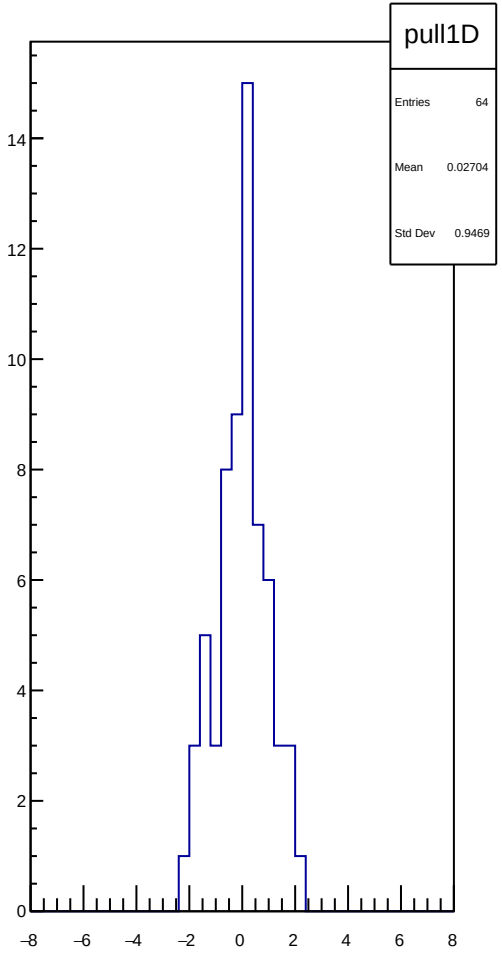

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.278e+04 / 63
p0 0.001772 ± 1.608e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

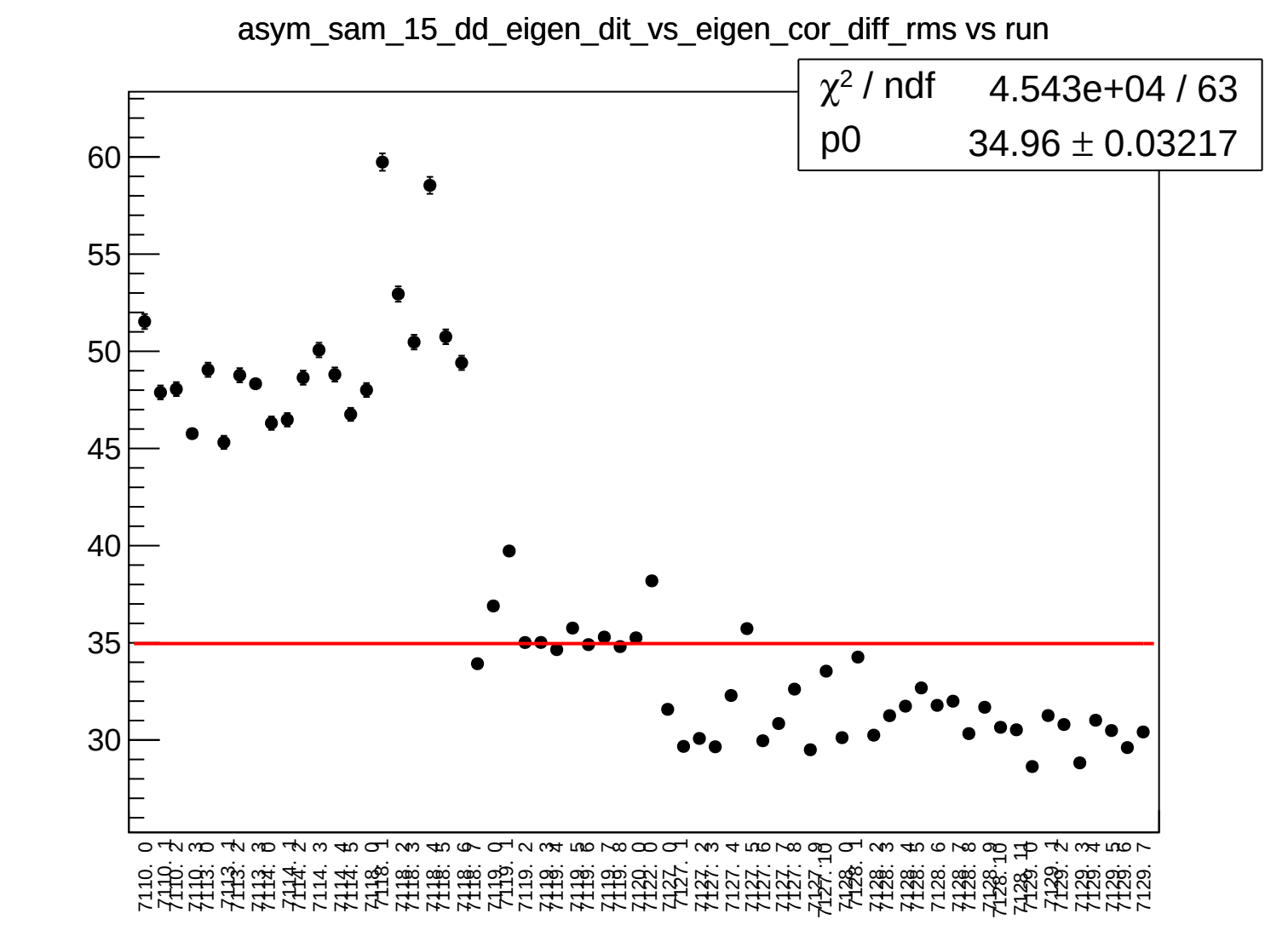

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.43 / 63
p0 −0.09492 ± 0.0455
pull
Entries 64
Mean −47.32
Std Dev 0

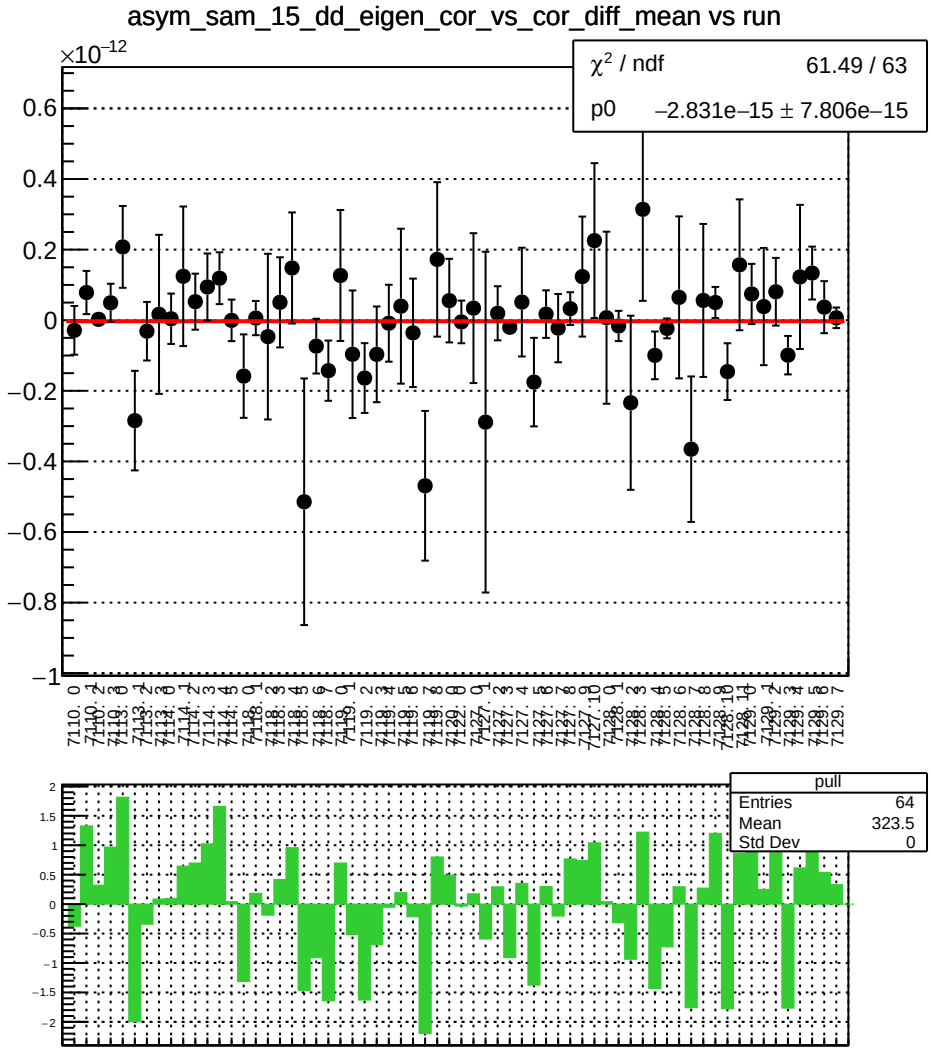

pull1D
Entries 64
Mean 0.02704
Std Dev 0.9469

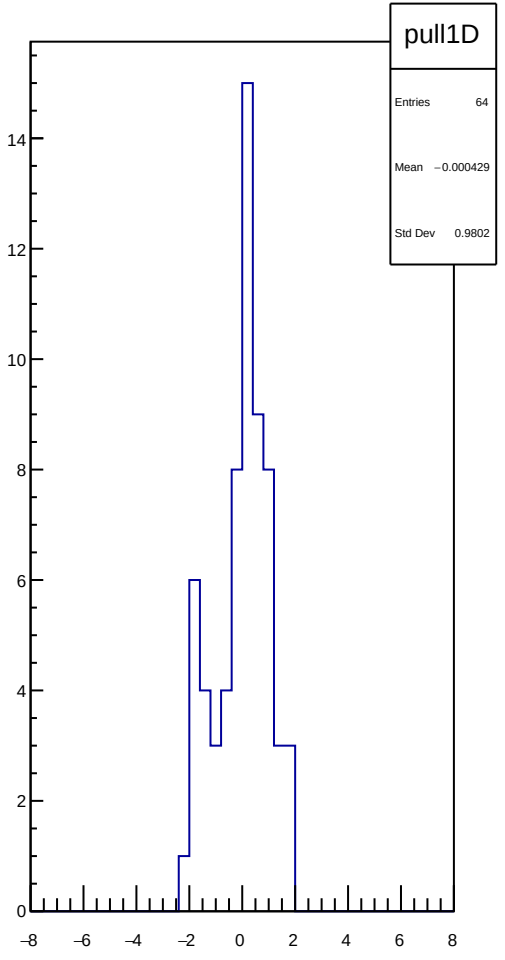

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.543e+04 / 63
p0 34.96 ± 0.03217
60
55
50
45
40
35
30

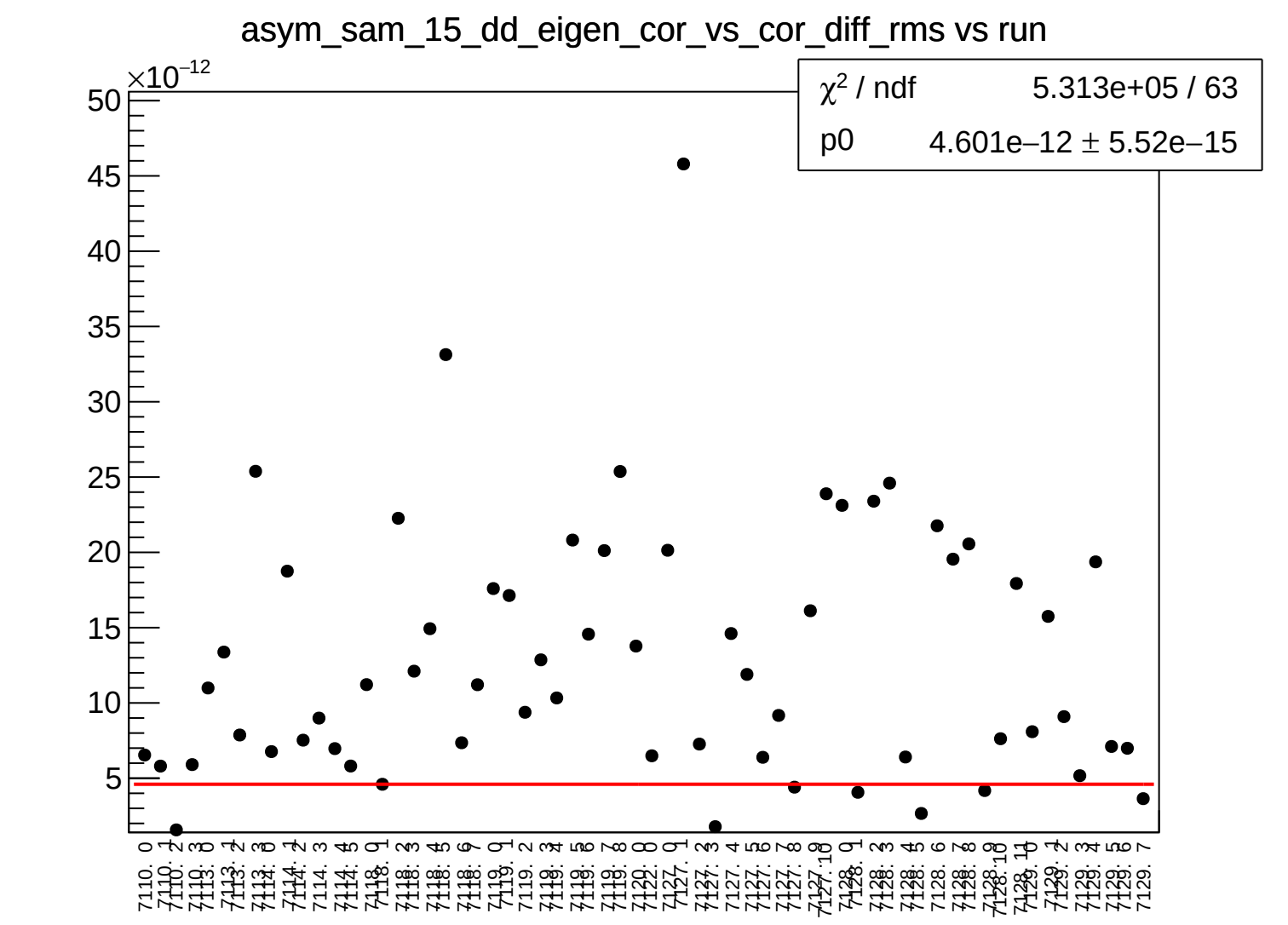

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.43 / 63
p0 −0.09492 ± 0.0455
pull
Entries 64
Mean −47.32
Std Dev 0

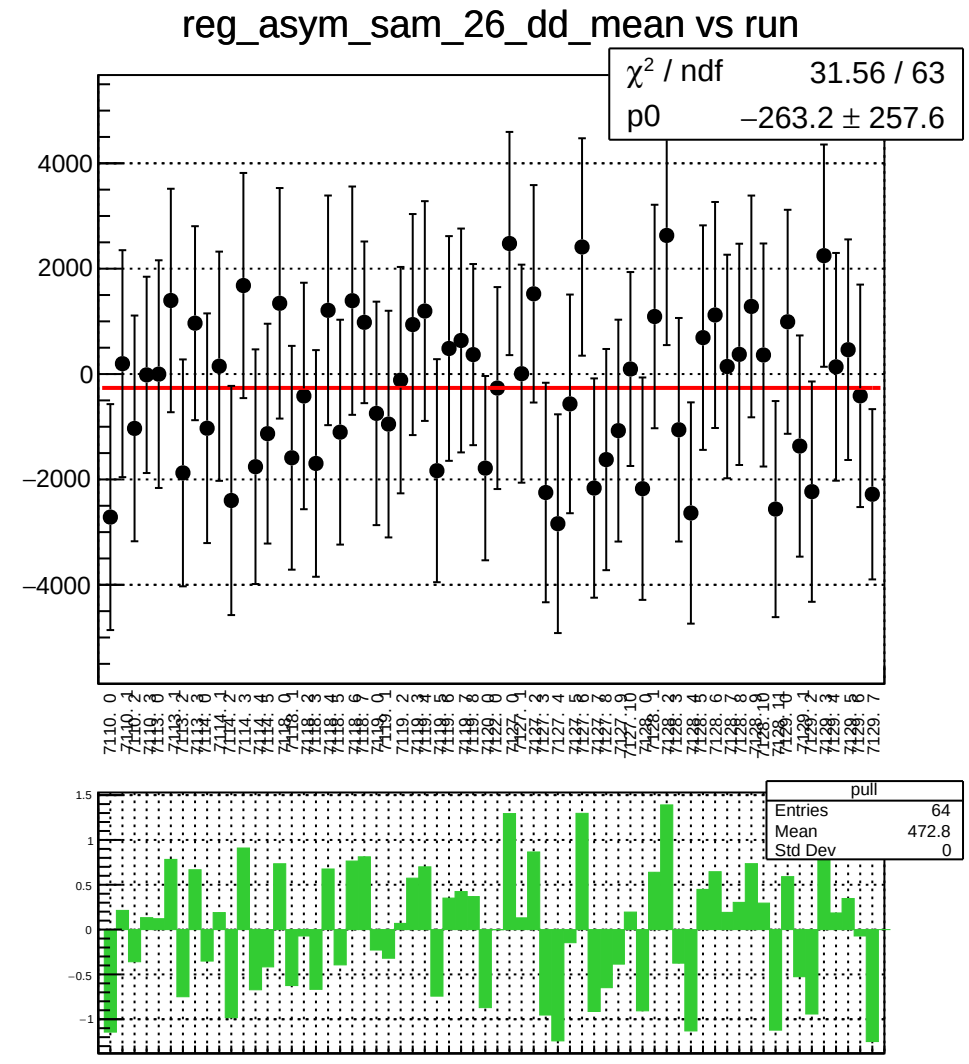

pull1D
Entries 64
Mean 0.02704
Std Dev 0.9469

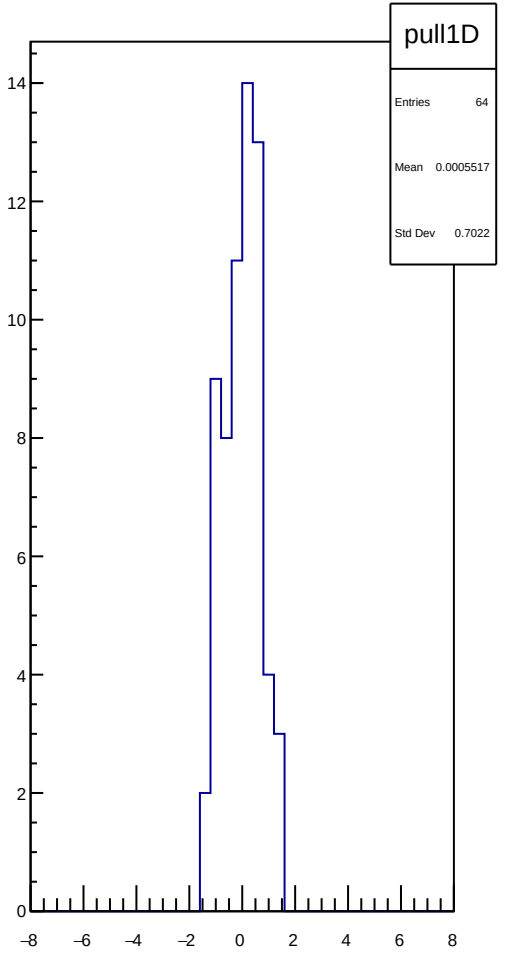

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.543e+04 / 63
p0 34.96 ± 0.03217
60
55
50
45
40
35
30

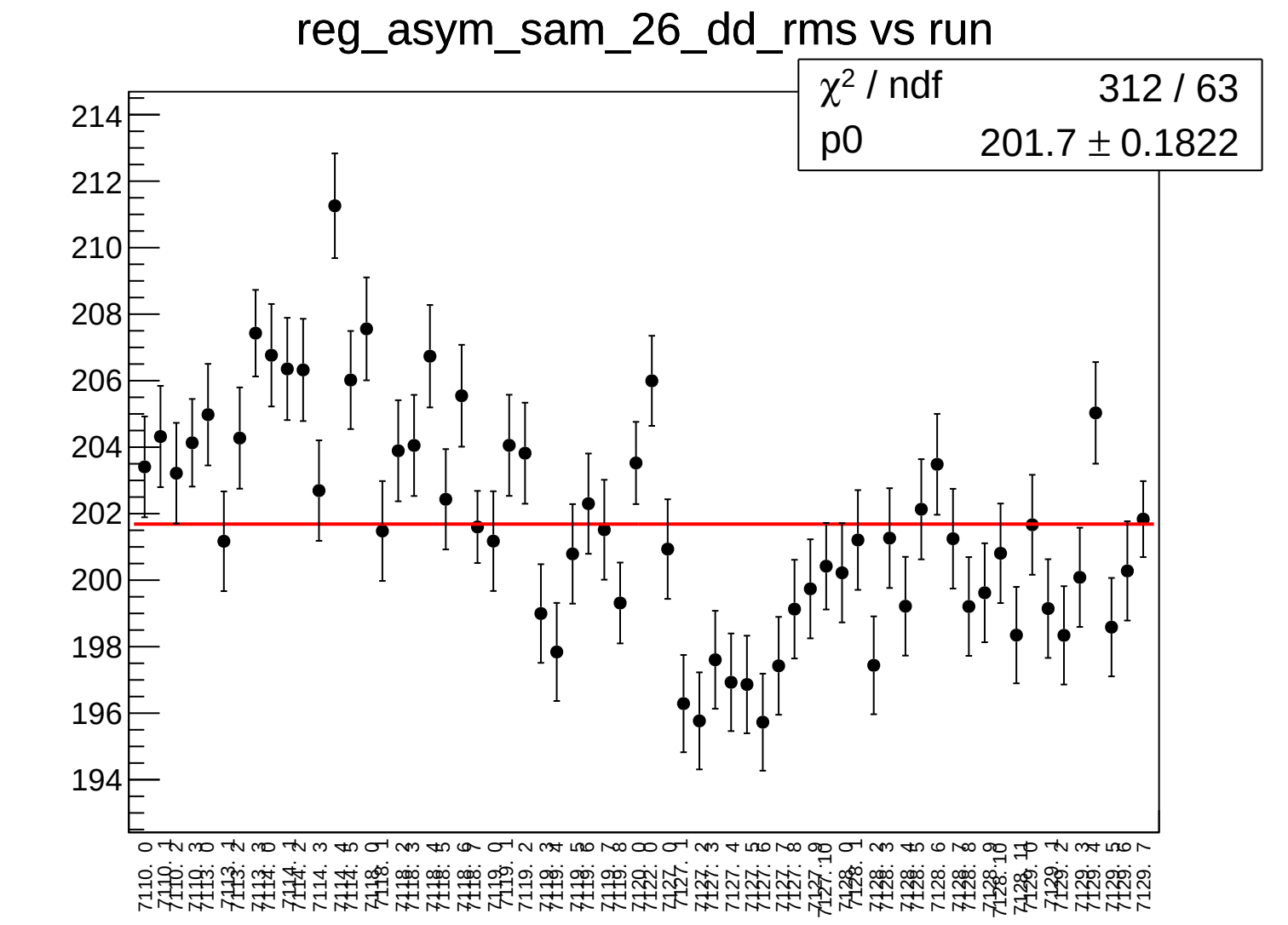

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.49 / 63
p0 −2.831e−15 ± 7.806e−15
pull
Entries 64
Mean 323.5
Std Dev 0

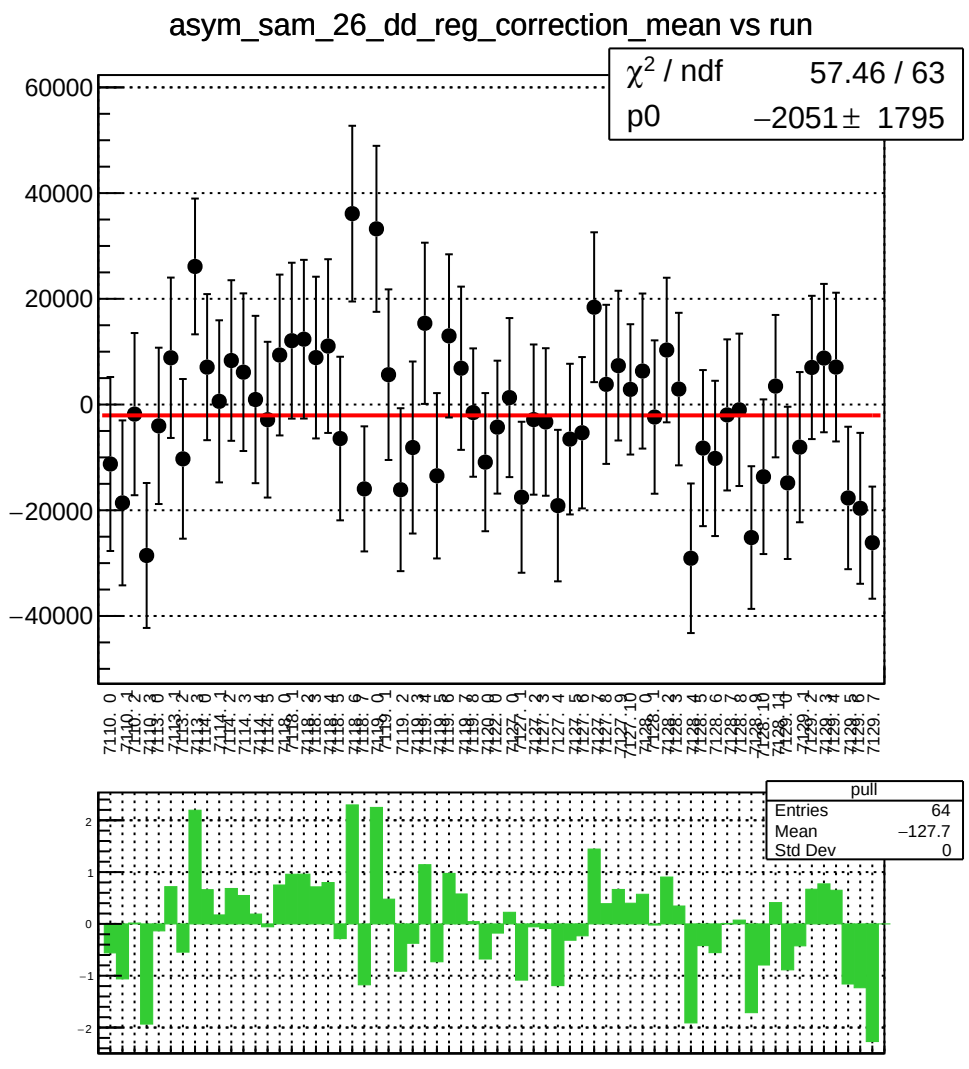

pull1D
Entries 64
Mean −0.000429
Std Dev 0.9802

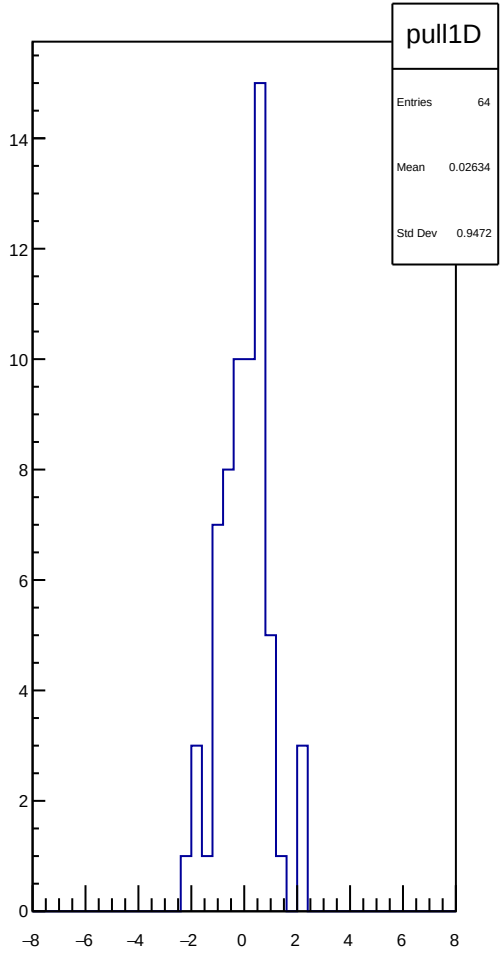

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.313e+05 / 63
p0 4.601e−12 ± 5.52e−15
50
45
40
35
30
25
20
15
10
5

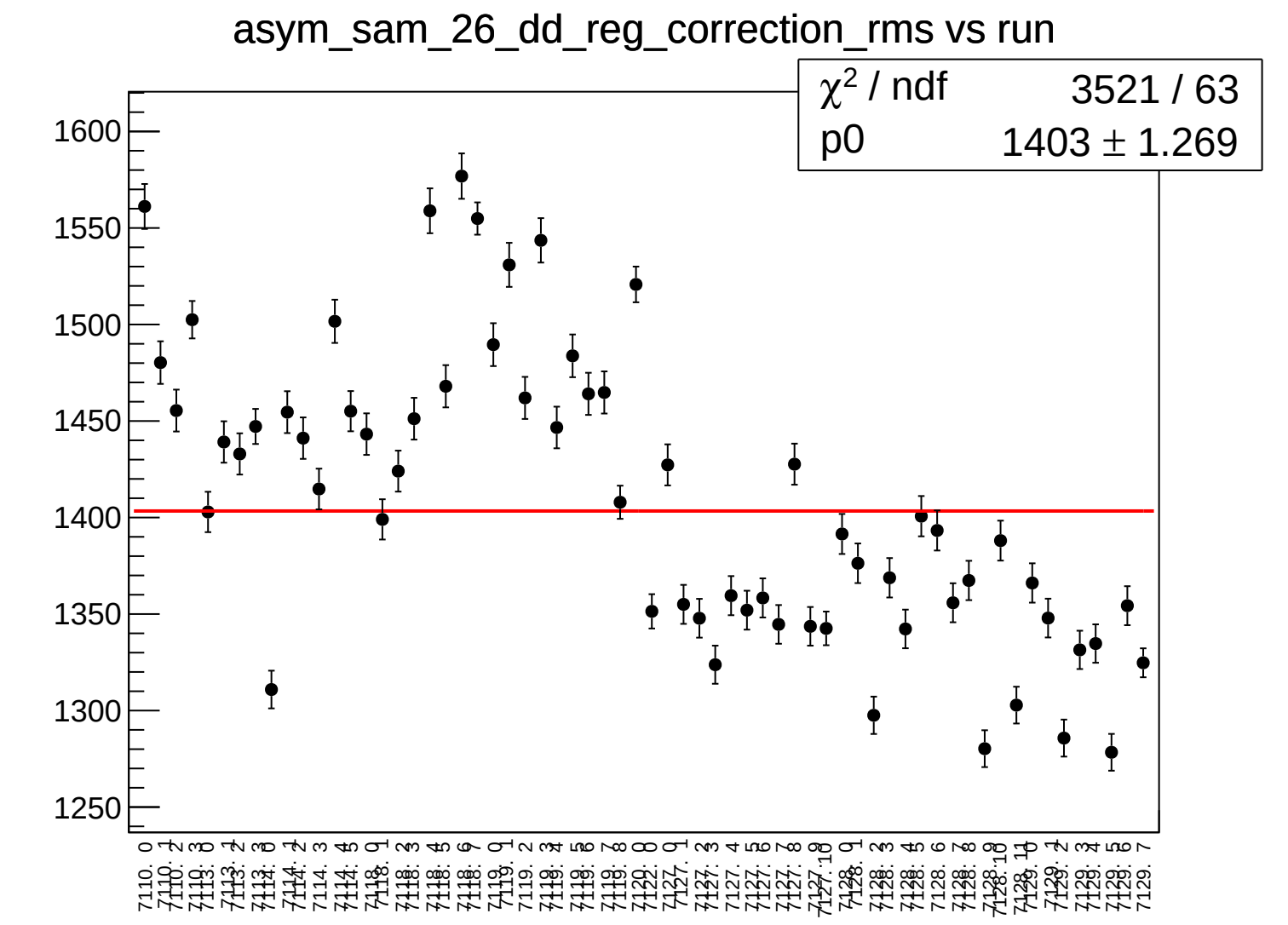

reg_asym_sam_26_dd_mean vs run
χ² / ndf 31.56 / 63
p0 −263.2 ± 257.6
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 472.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

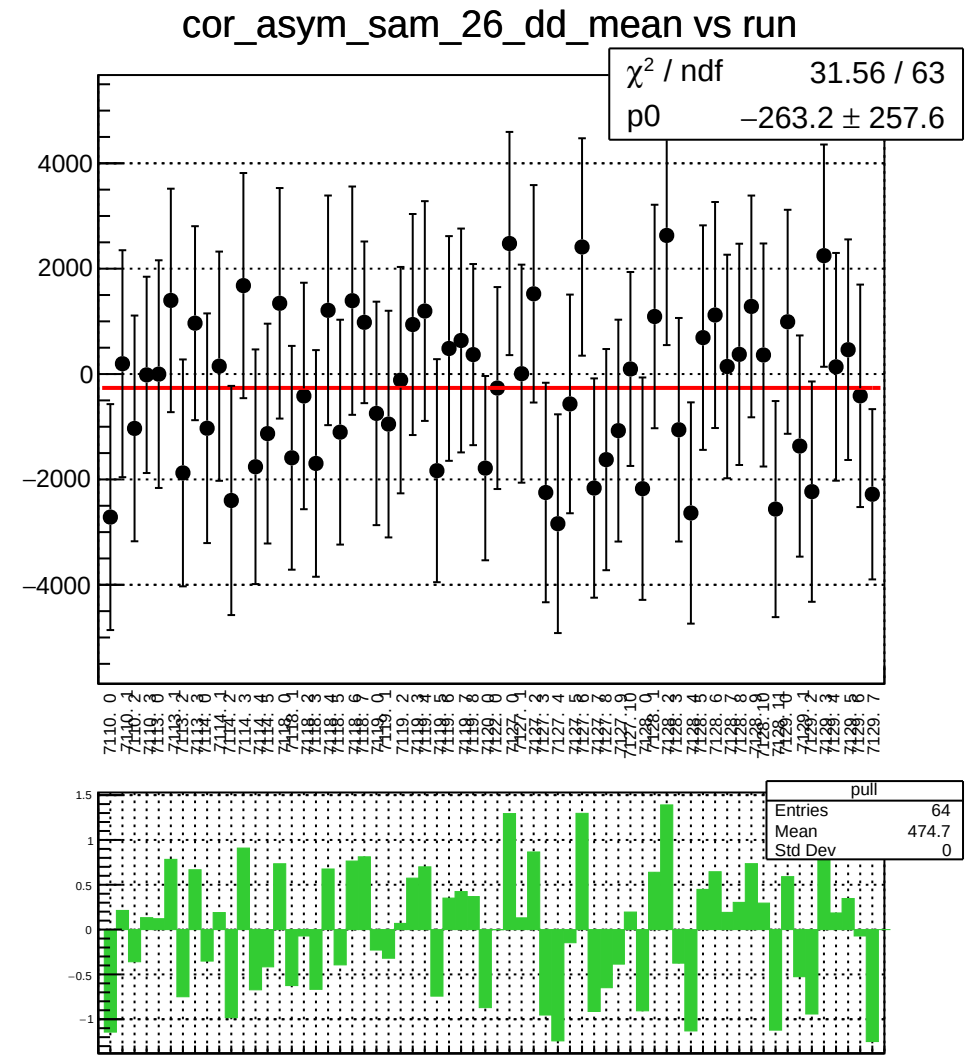

pull1D
Entries 64
Mean 0.0005517
Std Dev 0.7022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

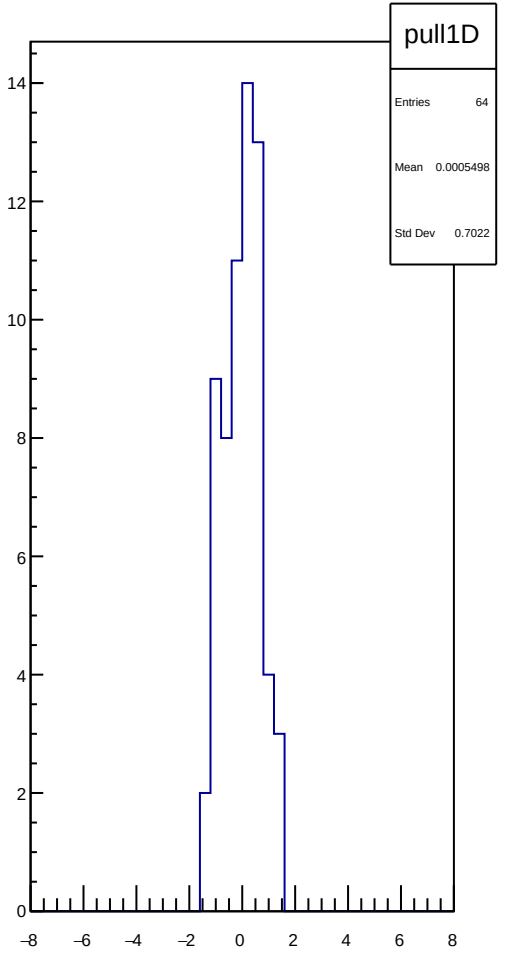

reg_asym_sam_26_dd_rms vs run
χ² / ndf 312 / 63
p0 201.7 ± 0.1822
214
212
210
208
206
204
202
200
198
196
194

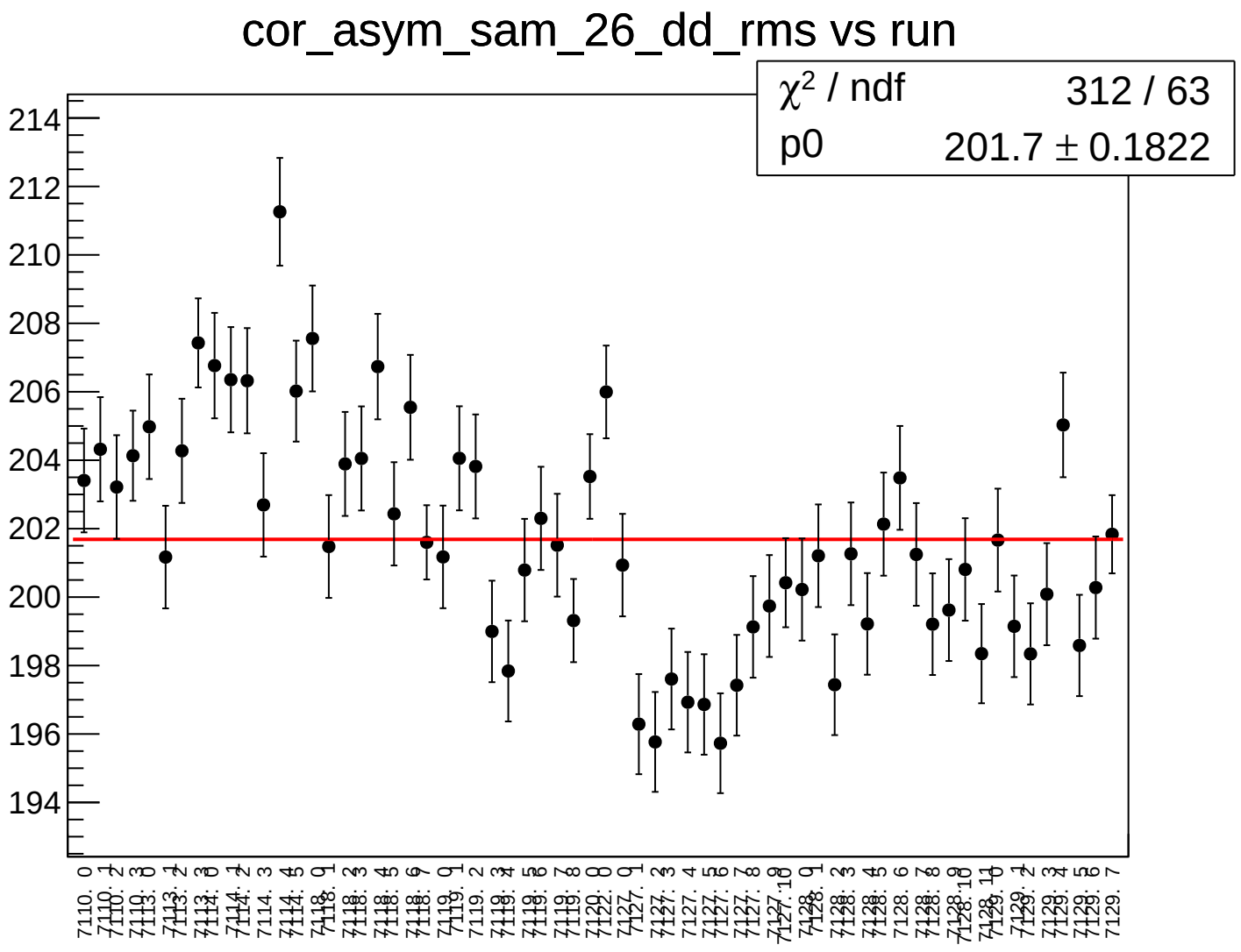

asym_sam_26_dd_reg_correction_mean vs run
χ² / ndf 57.46 / 63
p0 −2051 ± 1795
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −127.7
Std Dev 0
2
1
0
−1
−2

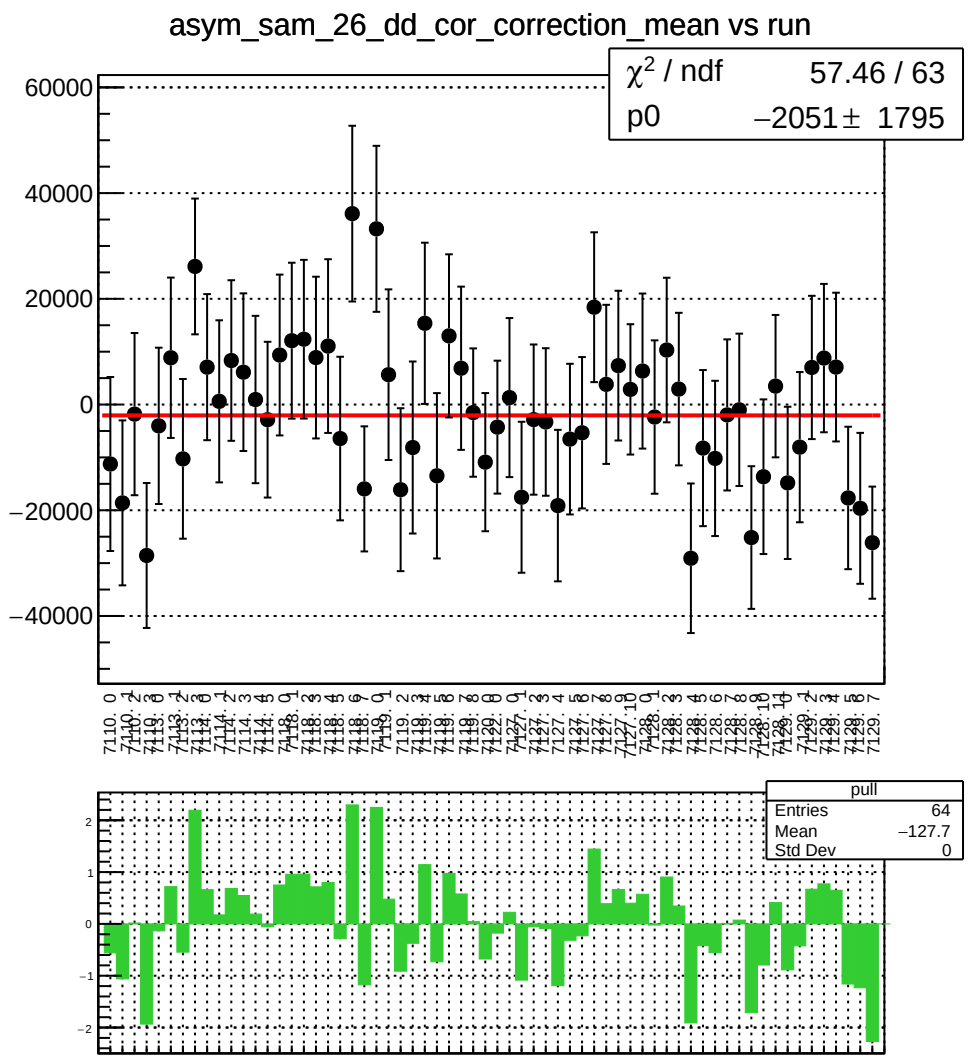

pull1D
Entries 64
Mean 0.02634
Std Dev 0.9472
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

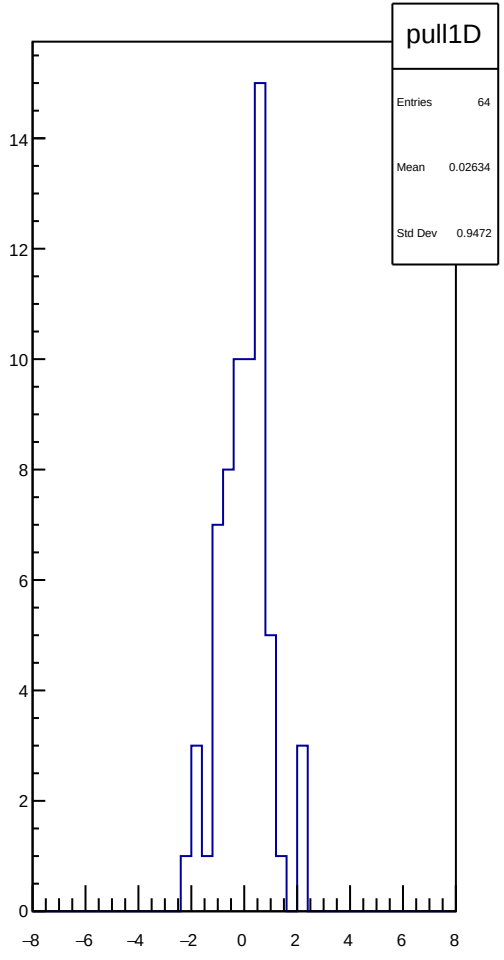

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 3521 / 63
p0 1403 ± 1.269
1600
1550
1500
1450
1400
1350
1300
1250

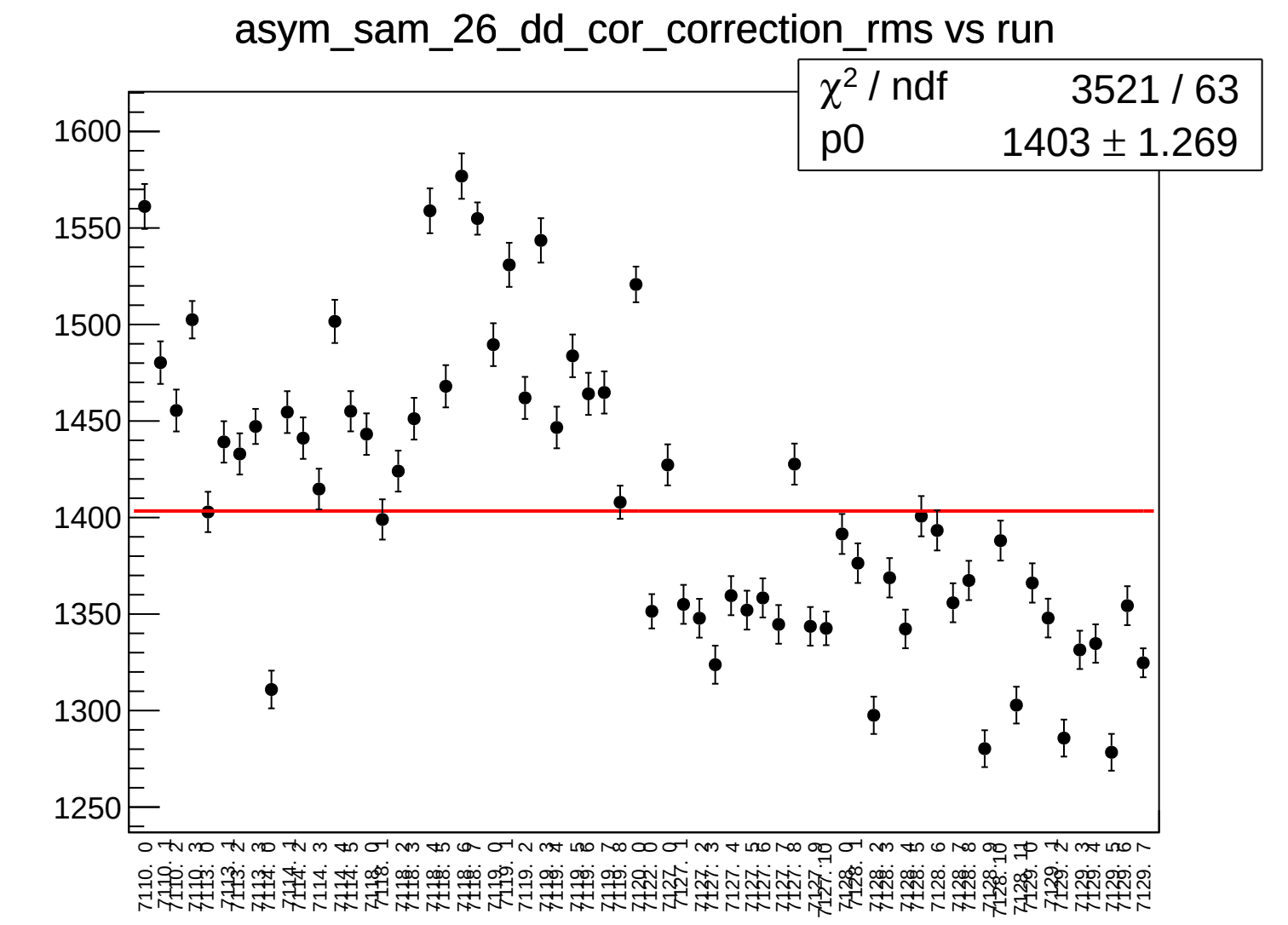

cor_asym_sam_26_dd_mean vs run
χ² / ndf 31.56 / 63
p0 −263.2 ± 257.6
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 474.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

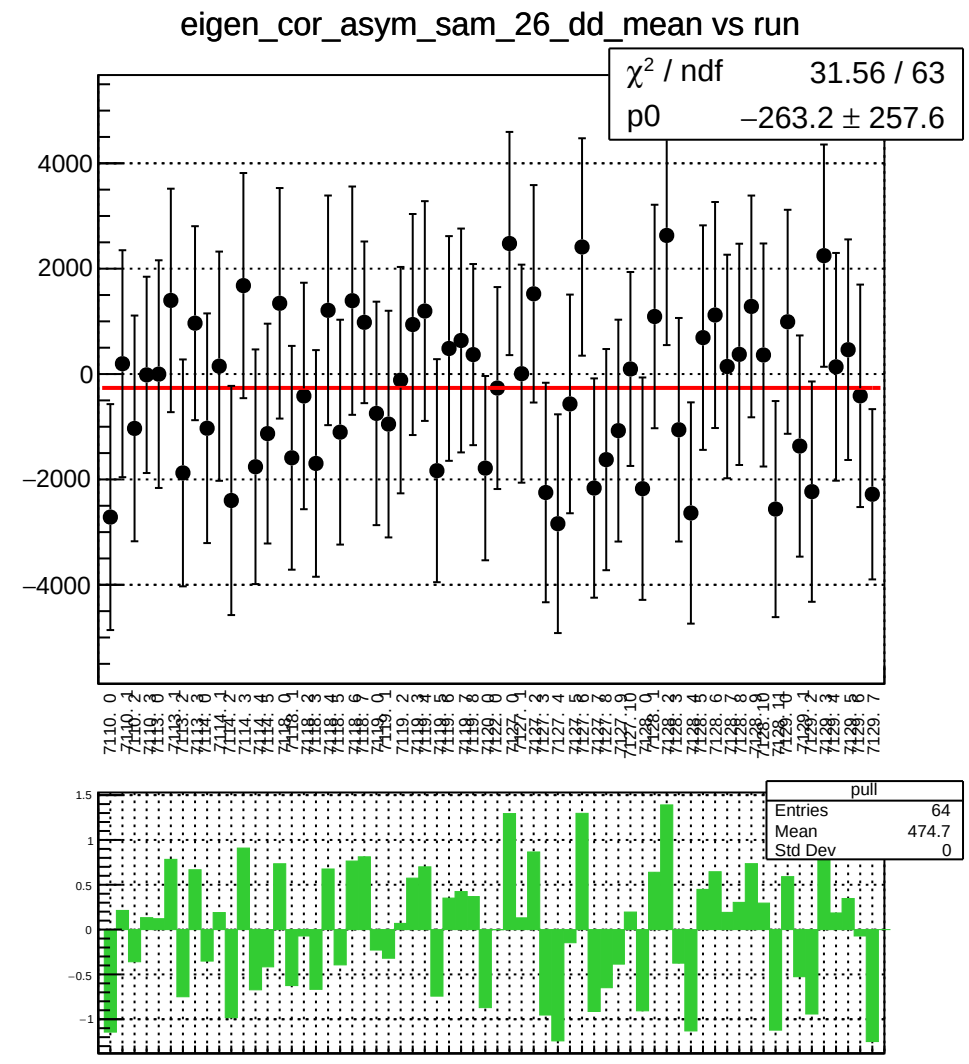

pull1D
Entries 64
Mean 0.0005498
Std Dev 0.7022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

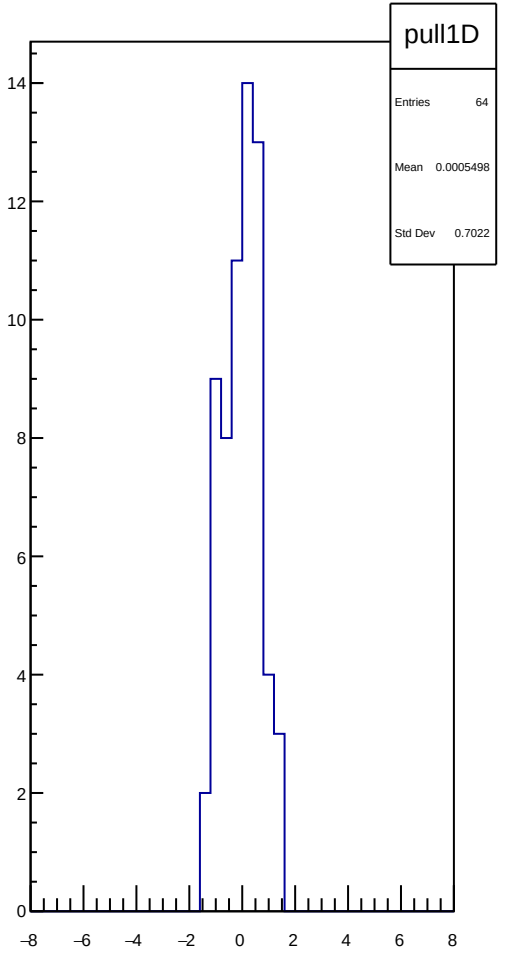

cor_asym_sam_26_dd_rms vs run
χ² / ndf 312 / 63
p0 201.7 ± 0.1822
214
212
210
208
206
204
202
200
198
196
194

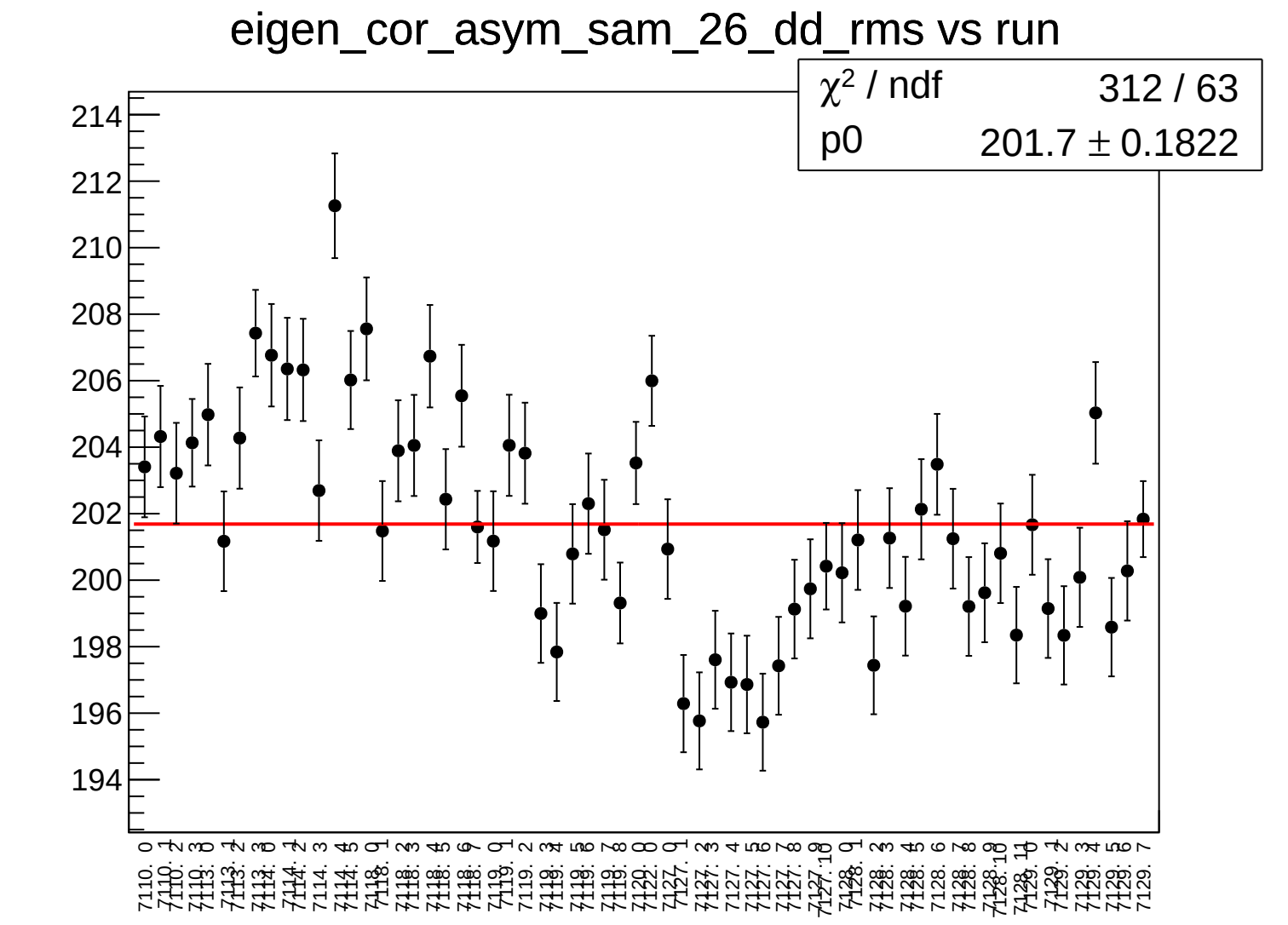

asym_sam_26_dd_cor_correction_mean vs run
χ² / ndf 57.46 / 63
p0 −2051 ± 1795
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −127.7
Std Dev 0
2
1
0
−1
−2

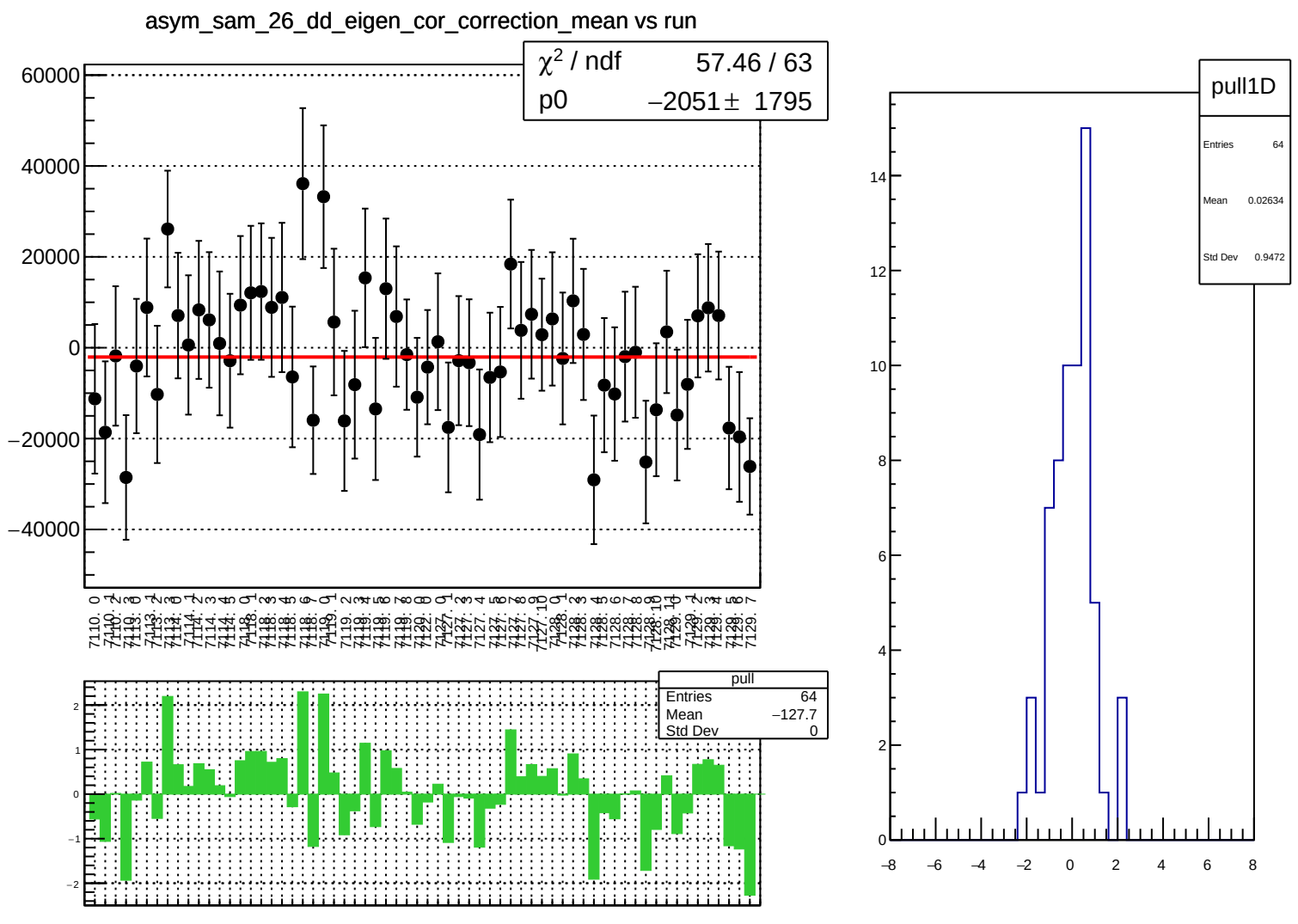

pull1D
Entries 64
Mean 0.02634
Std Dev 0.9472
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

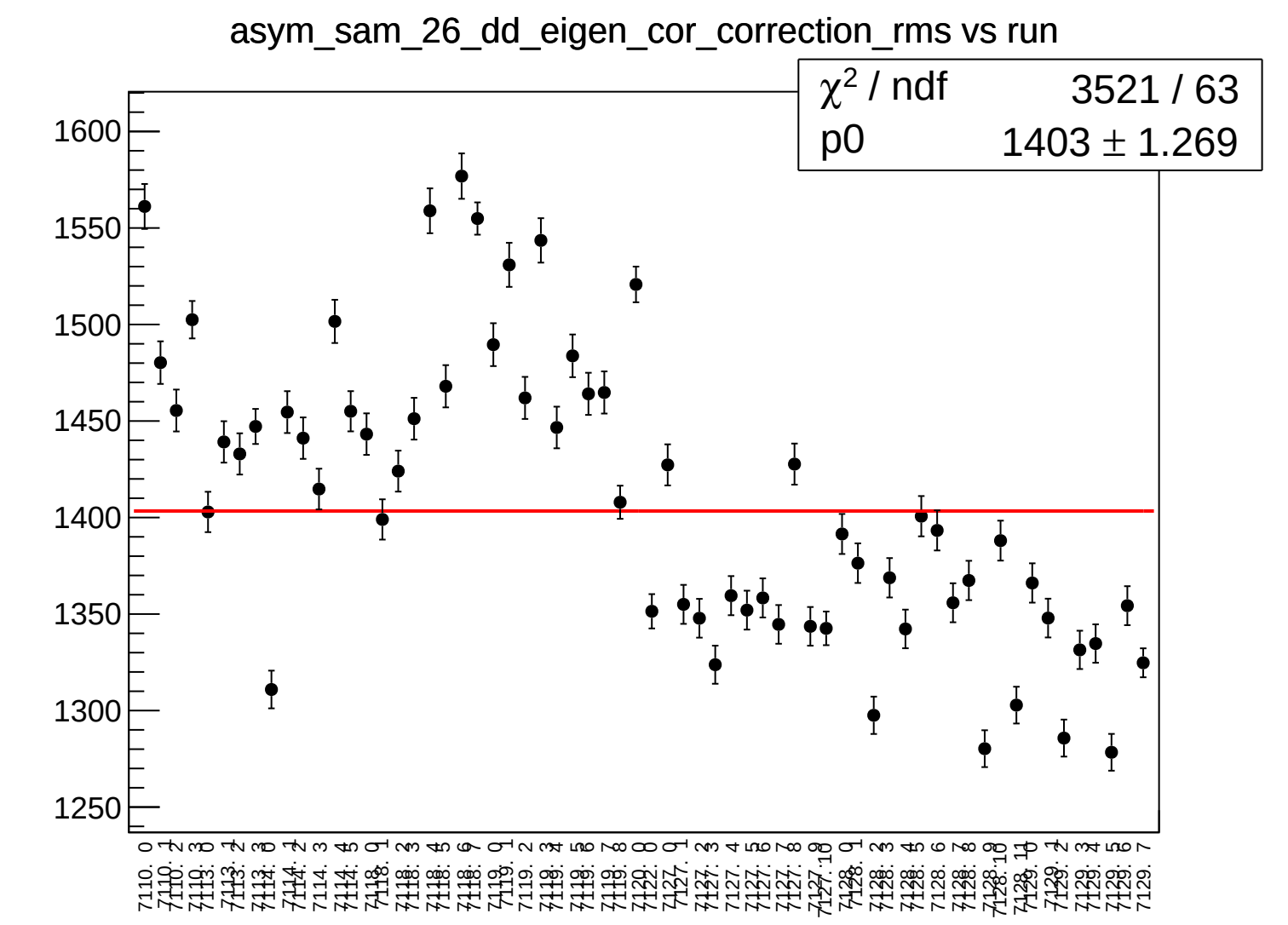

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 3521 / 63
p0 1403 ± 1.269
1600
1550
1500
1450
1400
1350
1300
1250

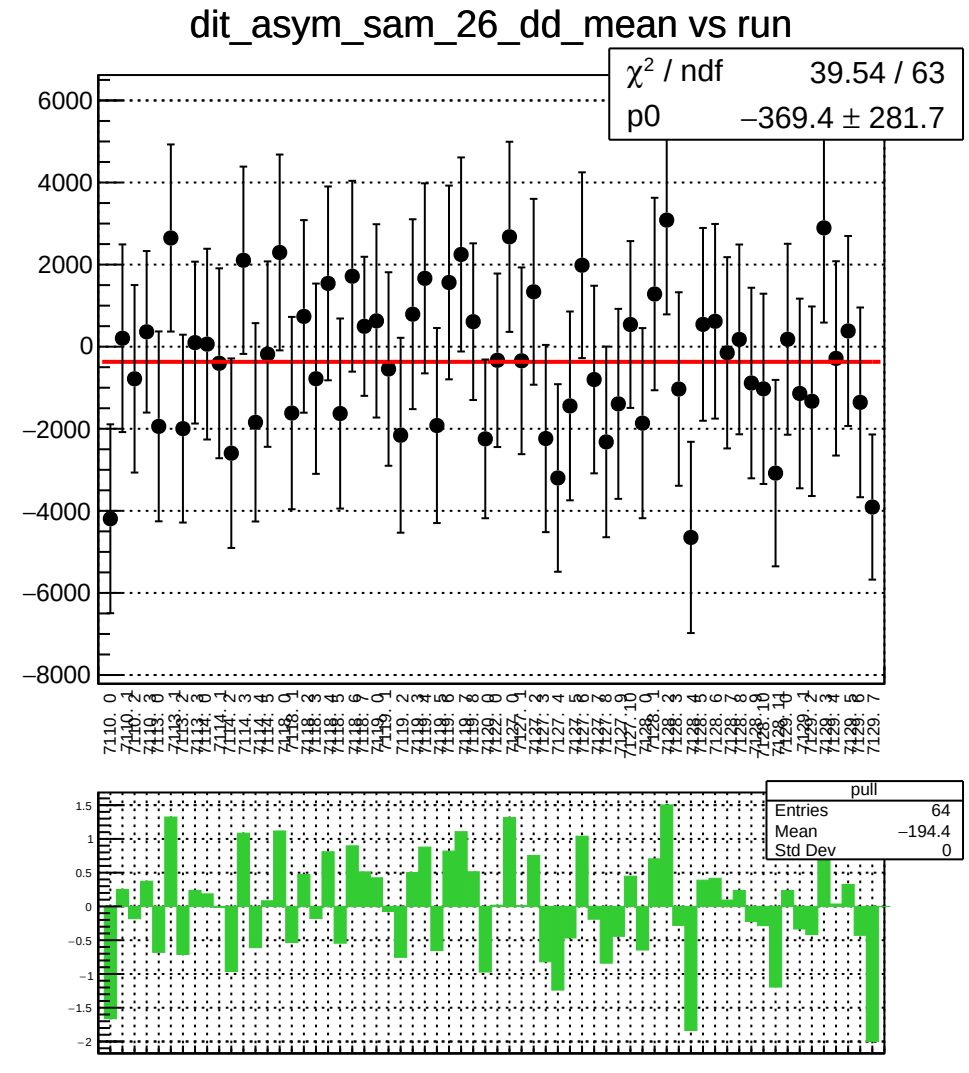

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 31.56 / 63
p0 −263.2 ± 257.6
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 474.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

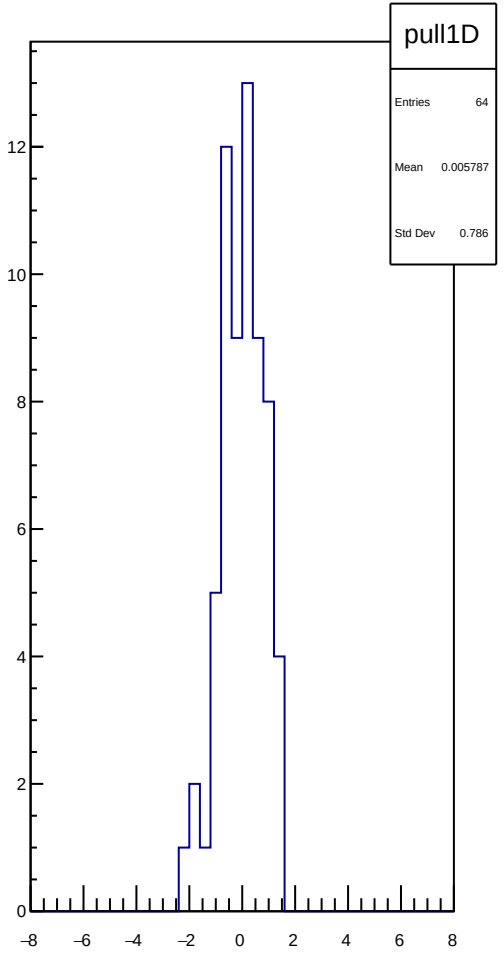

pull1D
Entries 64
Mean 0.0005498
Std Dev 0.7022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

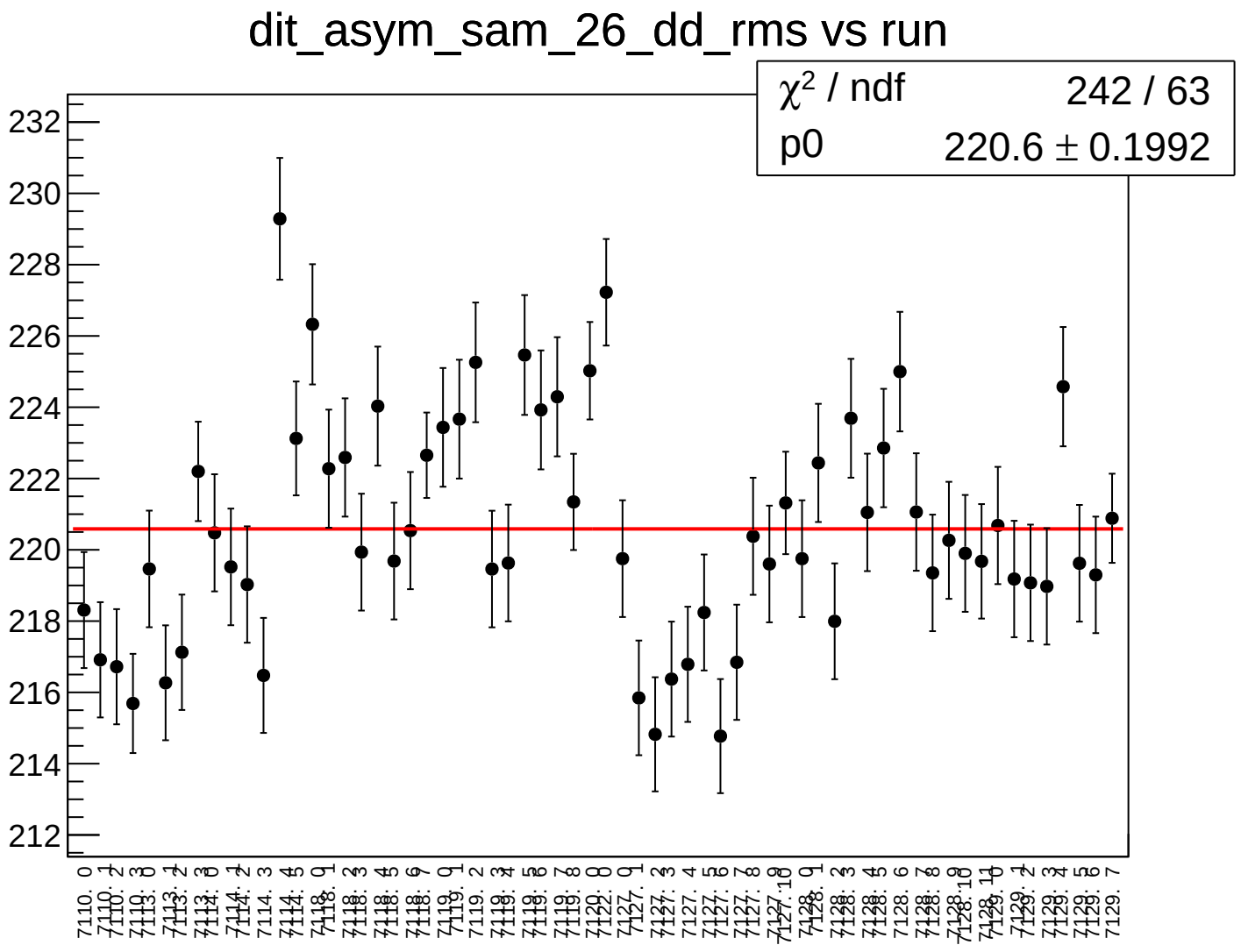

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 312 / 63
p0 201.7 ± 0.1822
214
212
210
208
206
204
202
200
198
196
194

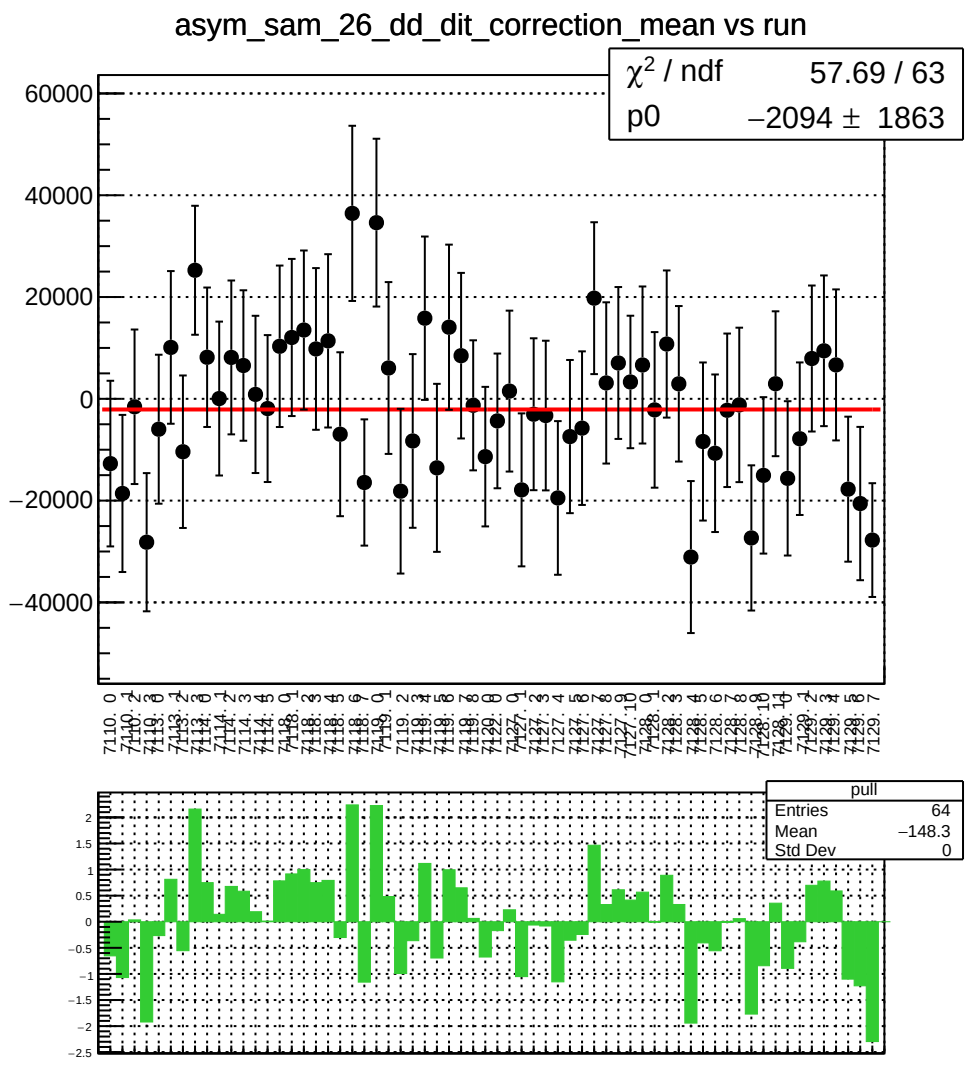

asym_sam_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.46 / 63
p0 −2051 ± 1795
pull
Entries 64
Mean −127.7
Std Dev 0
pull1D
Entries 64
Mean 0.02634
Std Dev 0.9472

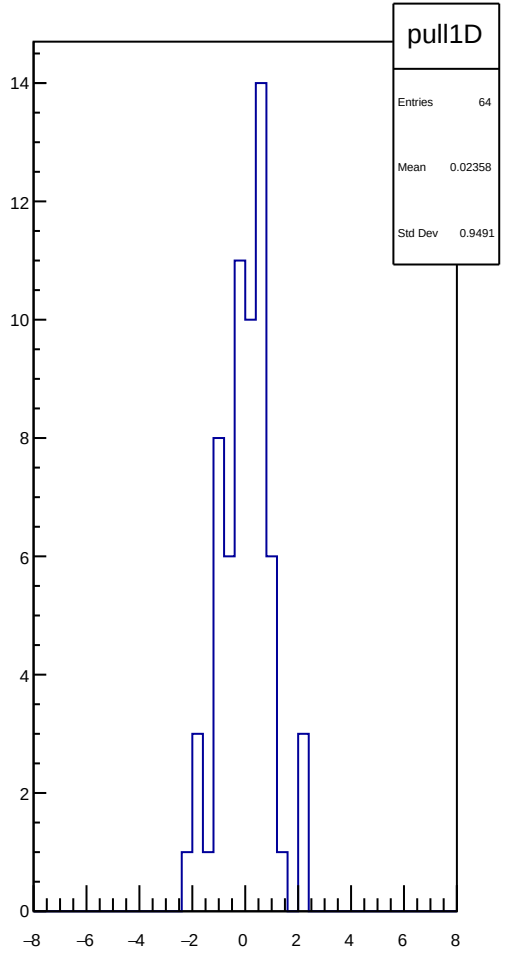

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3521 / 63
p0 1403 ± 1.269
1600
1550
1500
1450
1400
1350
1300
1250

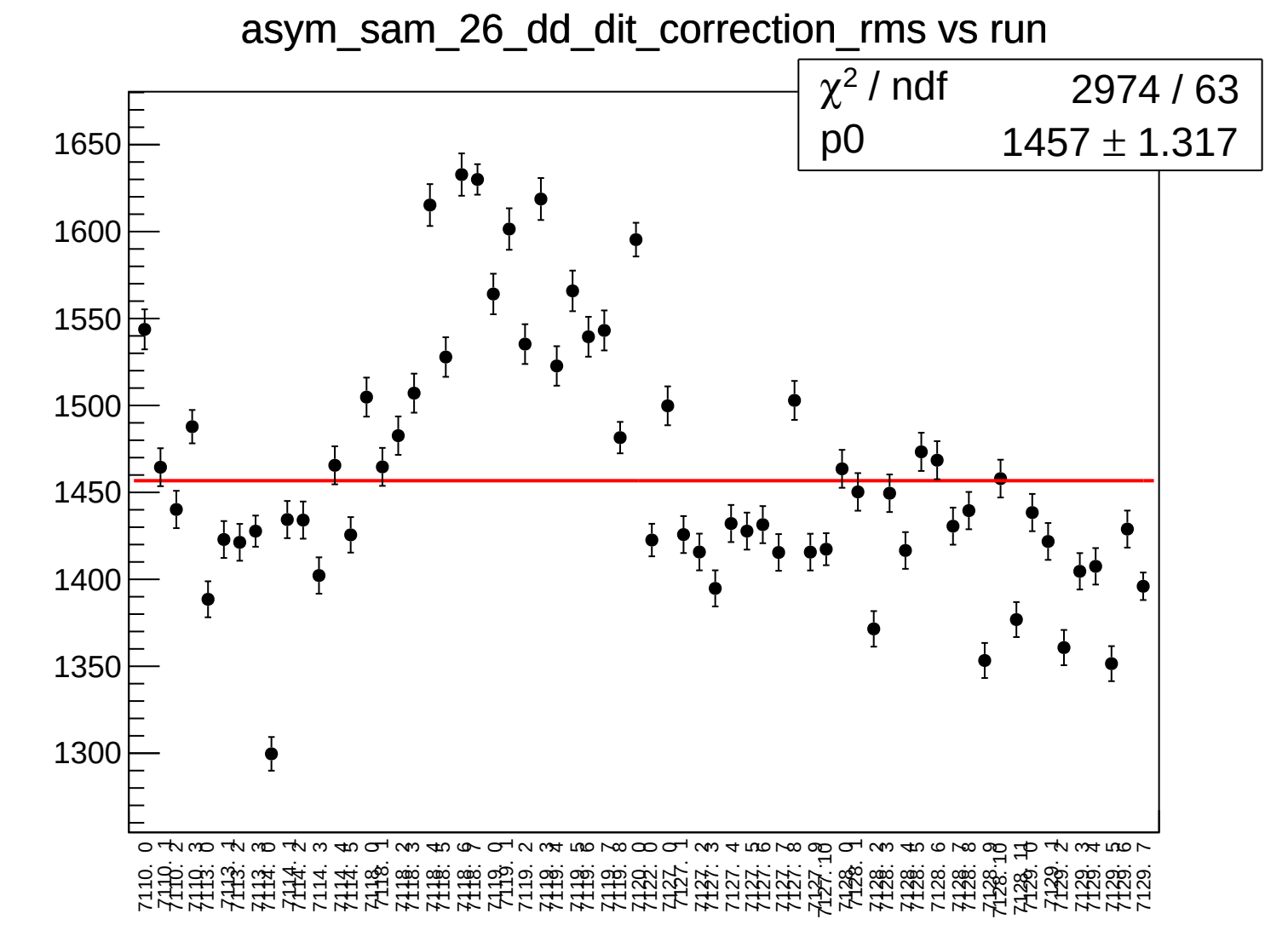

dit_asym_sam_26_dd_mean vs run
χ² / ndf 39.54 / 63
p0 −369.4 ± 281.7
pull
Entries 64
Mean −194.4
Std Dev 0

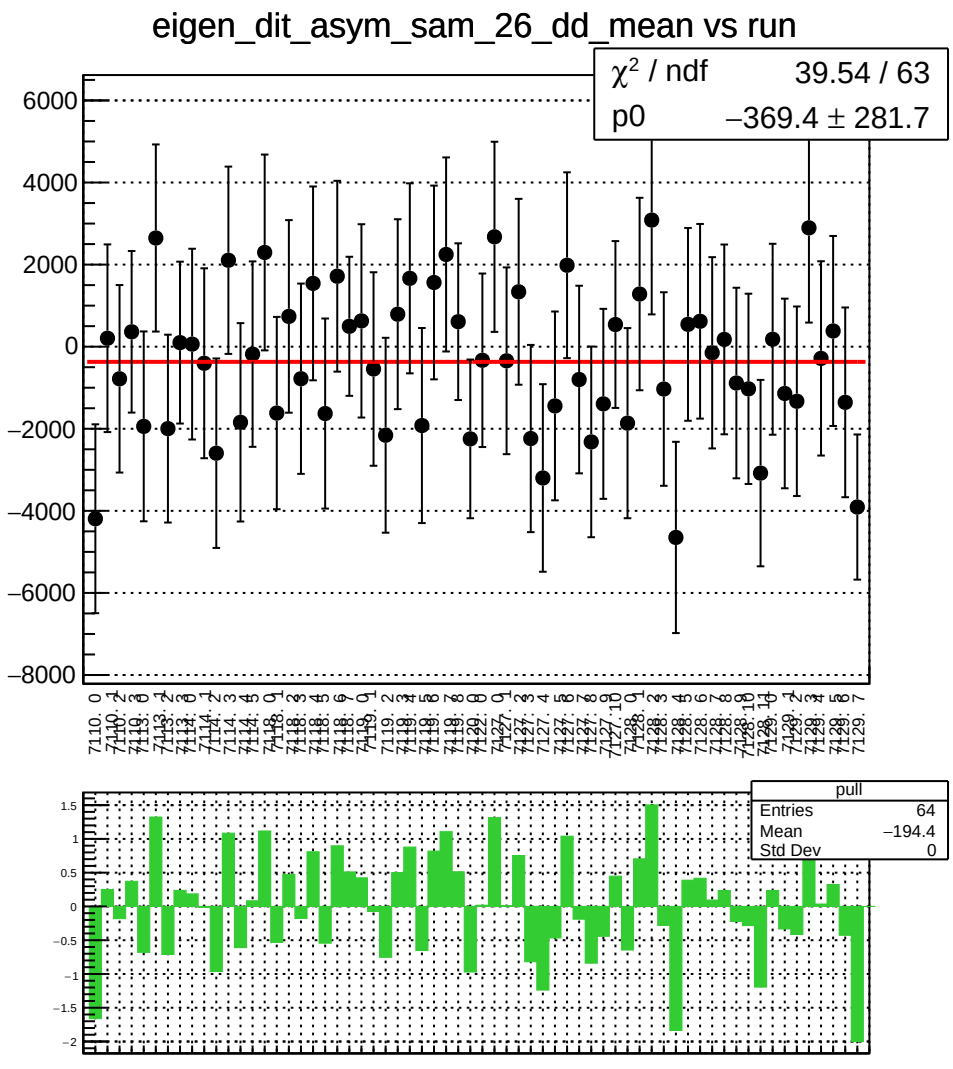

pull1D
Entries 64
Mean 0.005787
Std Dev 0.786

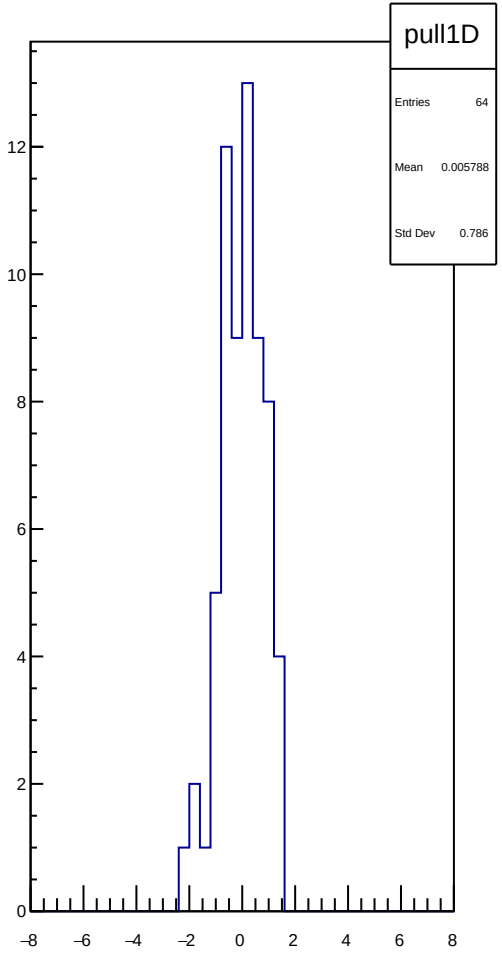

dit_asym_sam_26_dd_rms vs run
χ² / ndf 242 / 63
p0 220.6 ± 0.1992
232
230
228
226
224
222
220
218
216
214
212

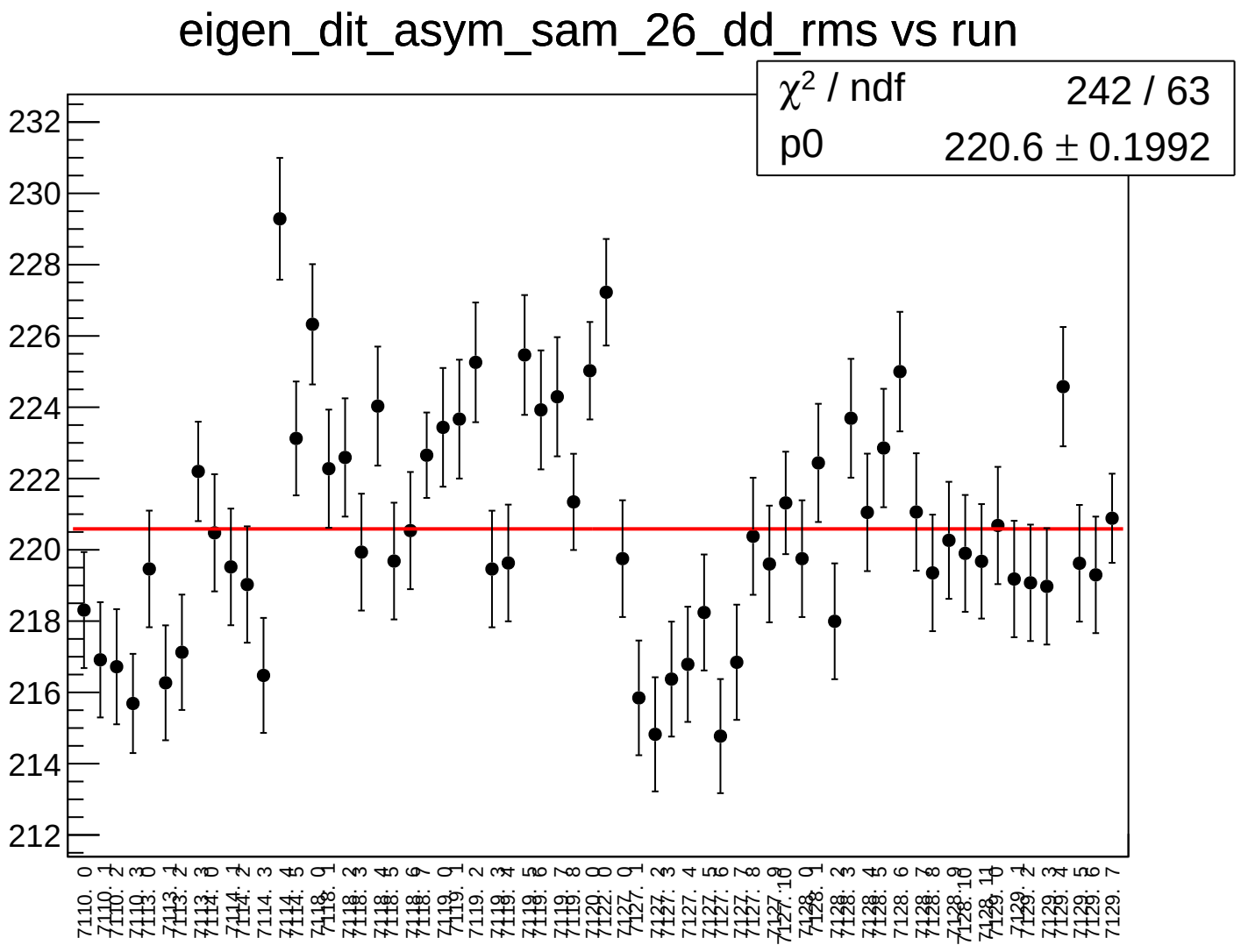

asym_sam_26_dd_dit_correction_mean vs run
χ² / ndf 57.69 / 63
p0 −2094 ± 1863
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −148.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

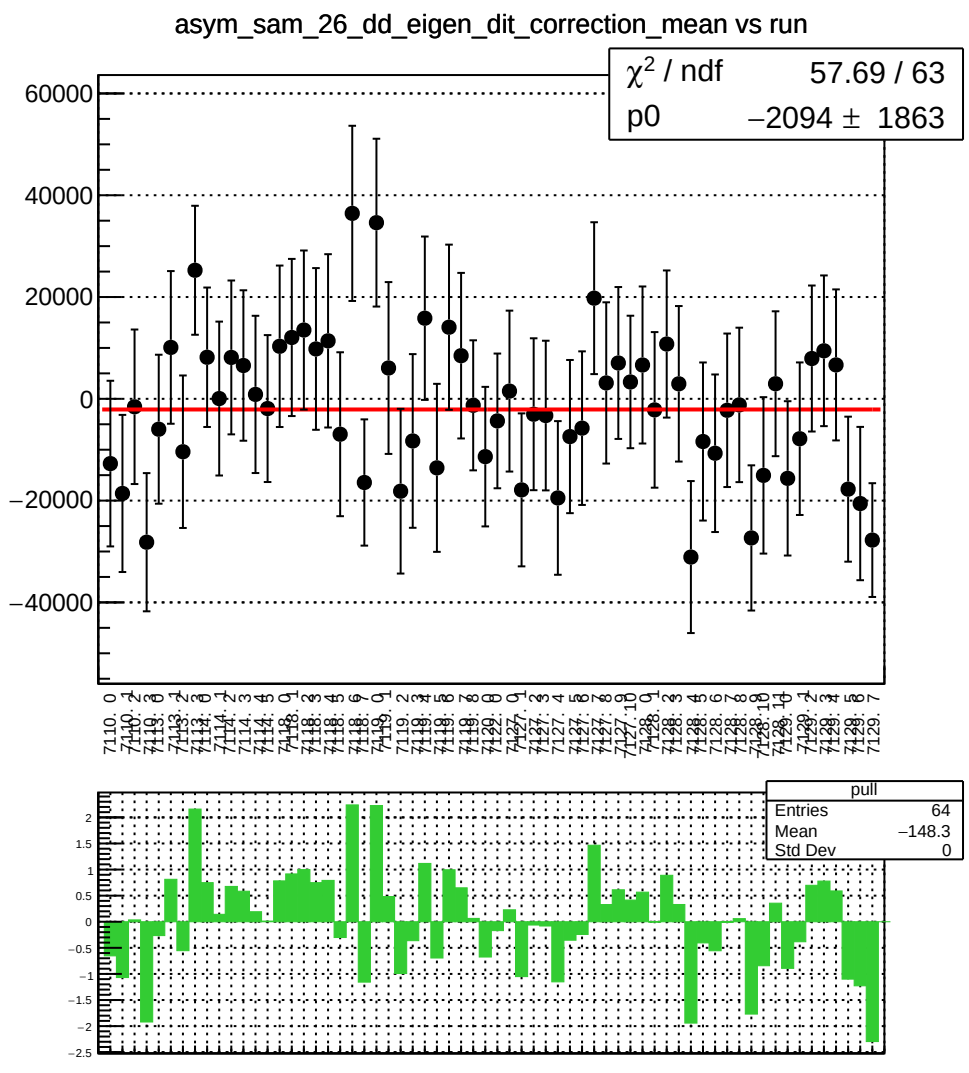

pull1D
Entries 64
Mean 0.02358
Std Dev 0.9491
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

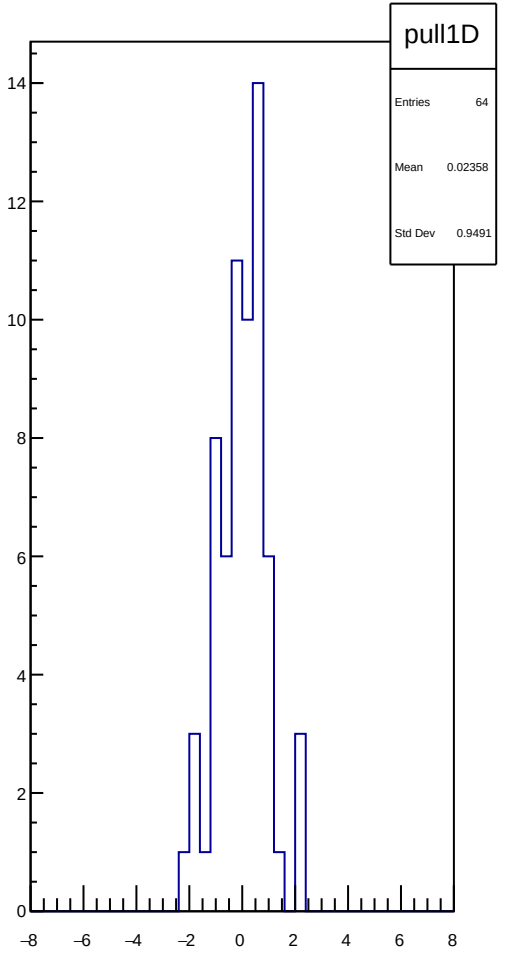

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 2974 / 63
p0 1457 ± 1.317
1650
1600
1550
1500
1450
1400
1350
1300

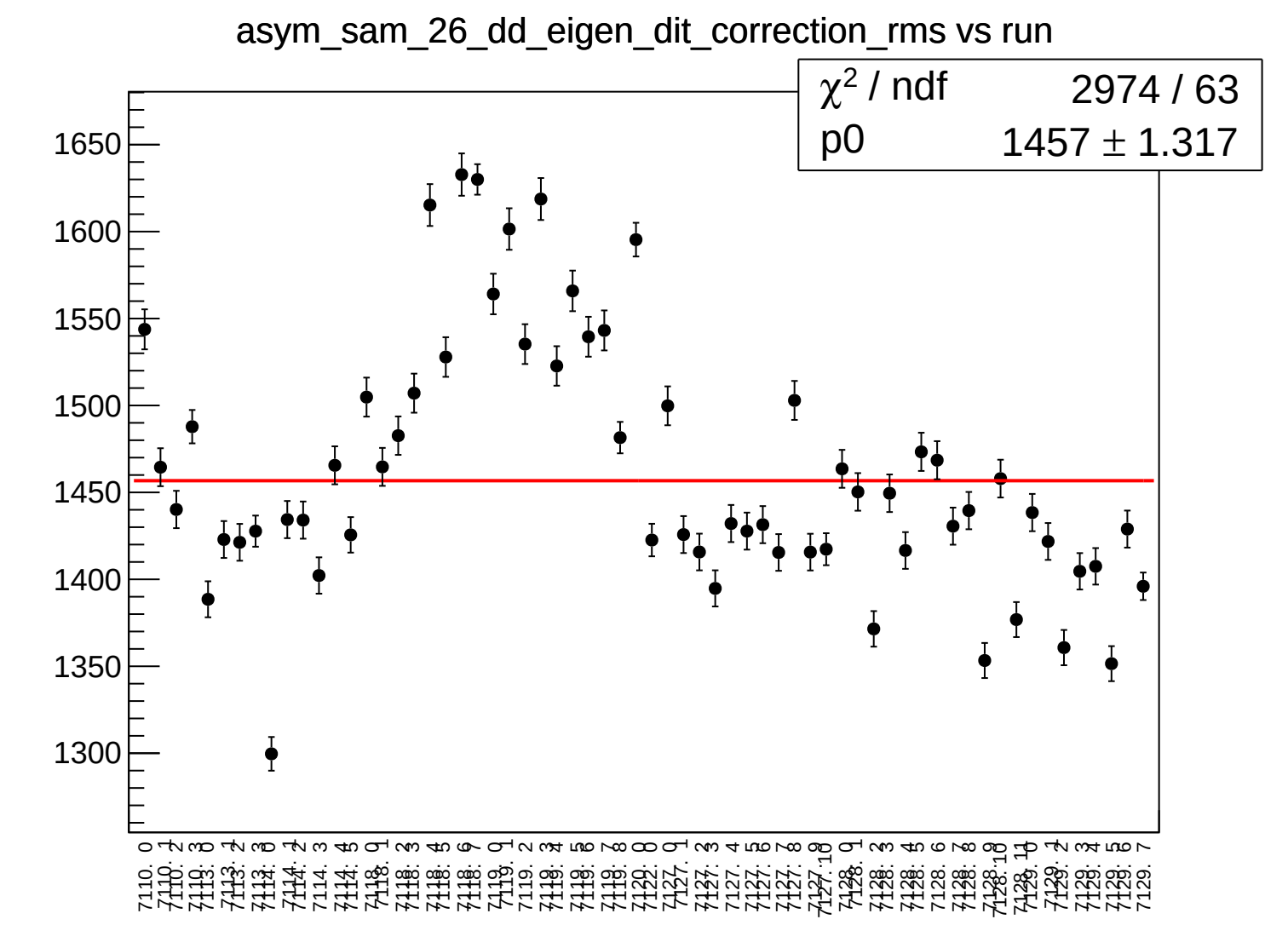

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 39.54 / 63
p0 −369.4 ± 281.7
pull
Entries 64
Mean −194.4
Std Dev 0

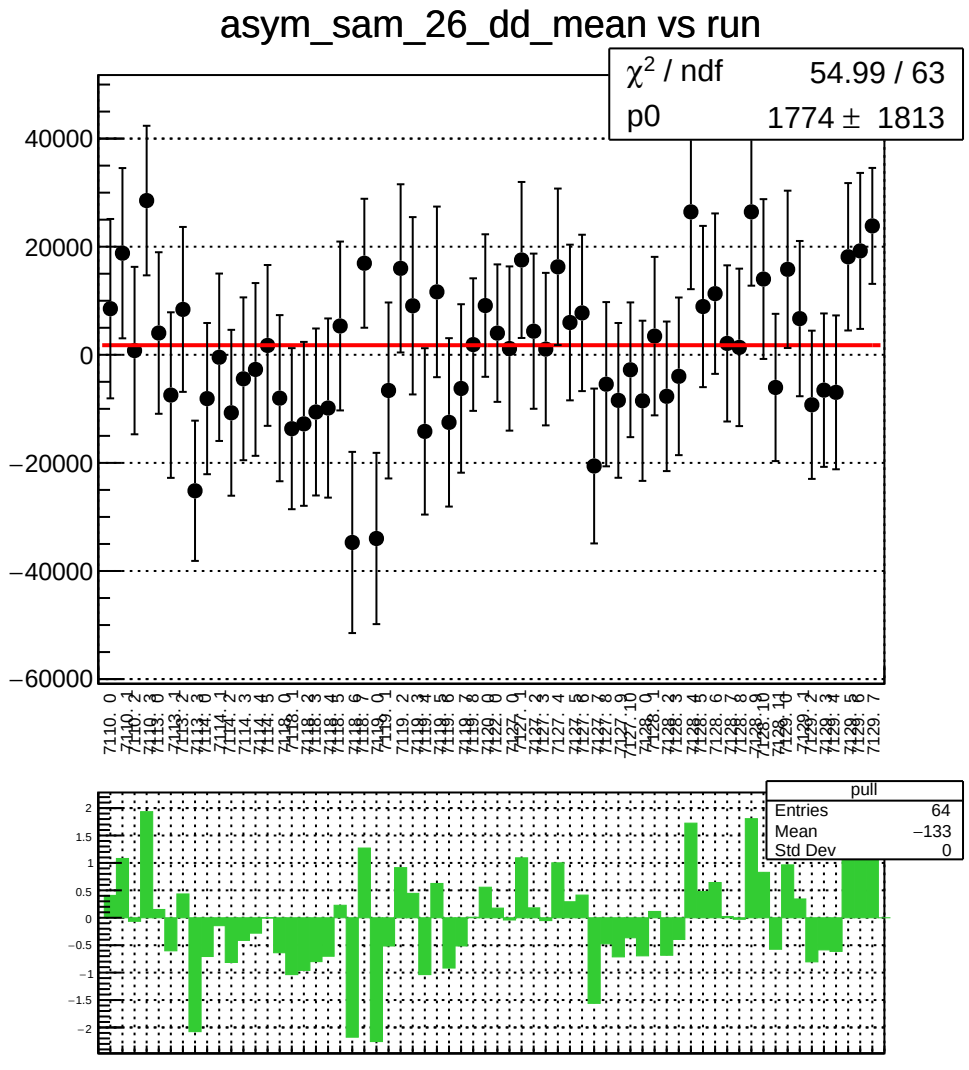

pull1D
Entries 64
Mean 0.005788
Std Dev 0.786

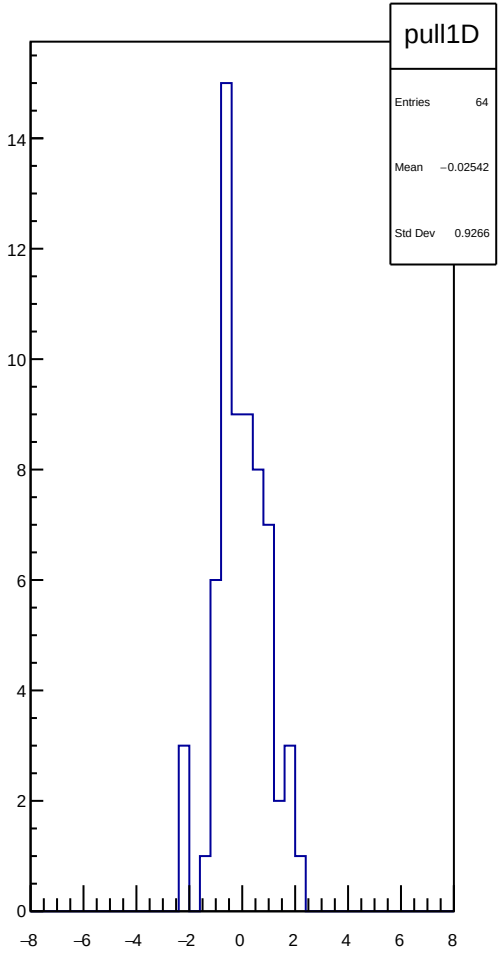

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 242 / 63
p0 220.6 ± 0.1992
232
230
228
226
224
222
220
218
216
214
212

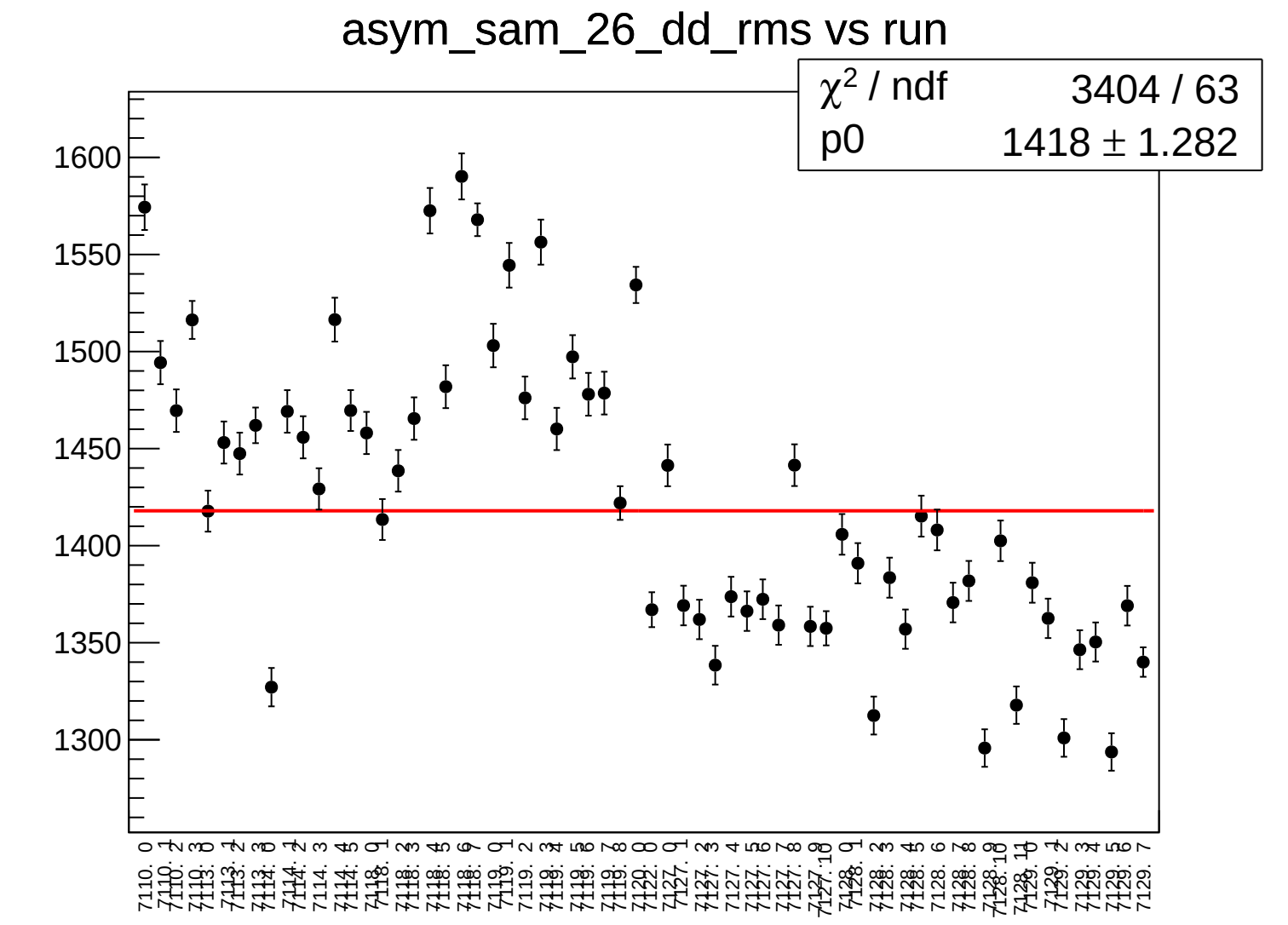

asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.69 / 63
p0 −2094 ± 1863
60000
40000
20000
0
−20000
−40000
pull
Entries 64
Mean −148.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

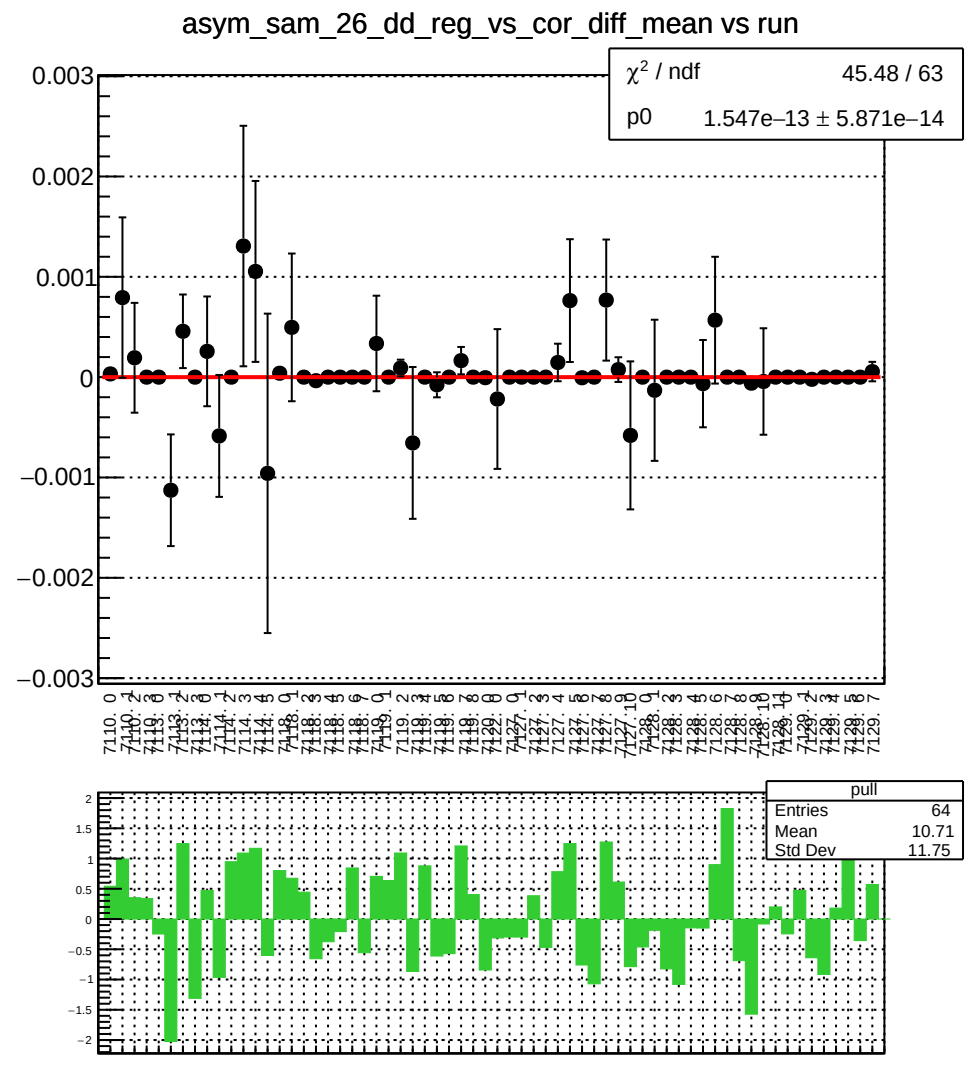

pull1D
Entries 64
Mean 0.02358
Std Dev 0.9491
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

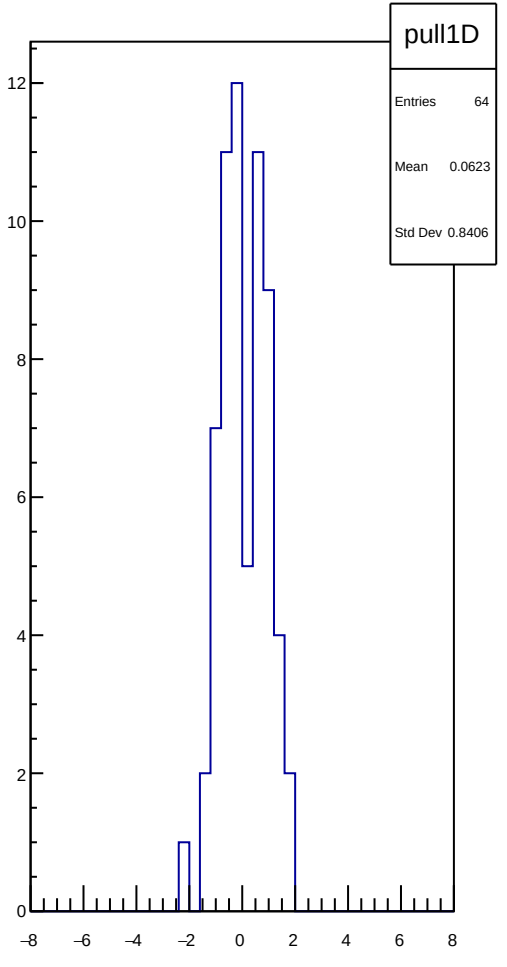

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2974 / 63
p0 1457 ± 1.317
1650
1600
1550
1500
1450
1400
1350
1300

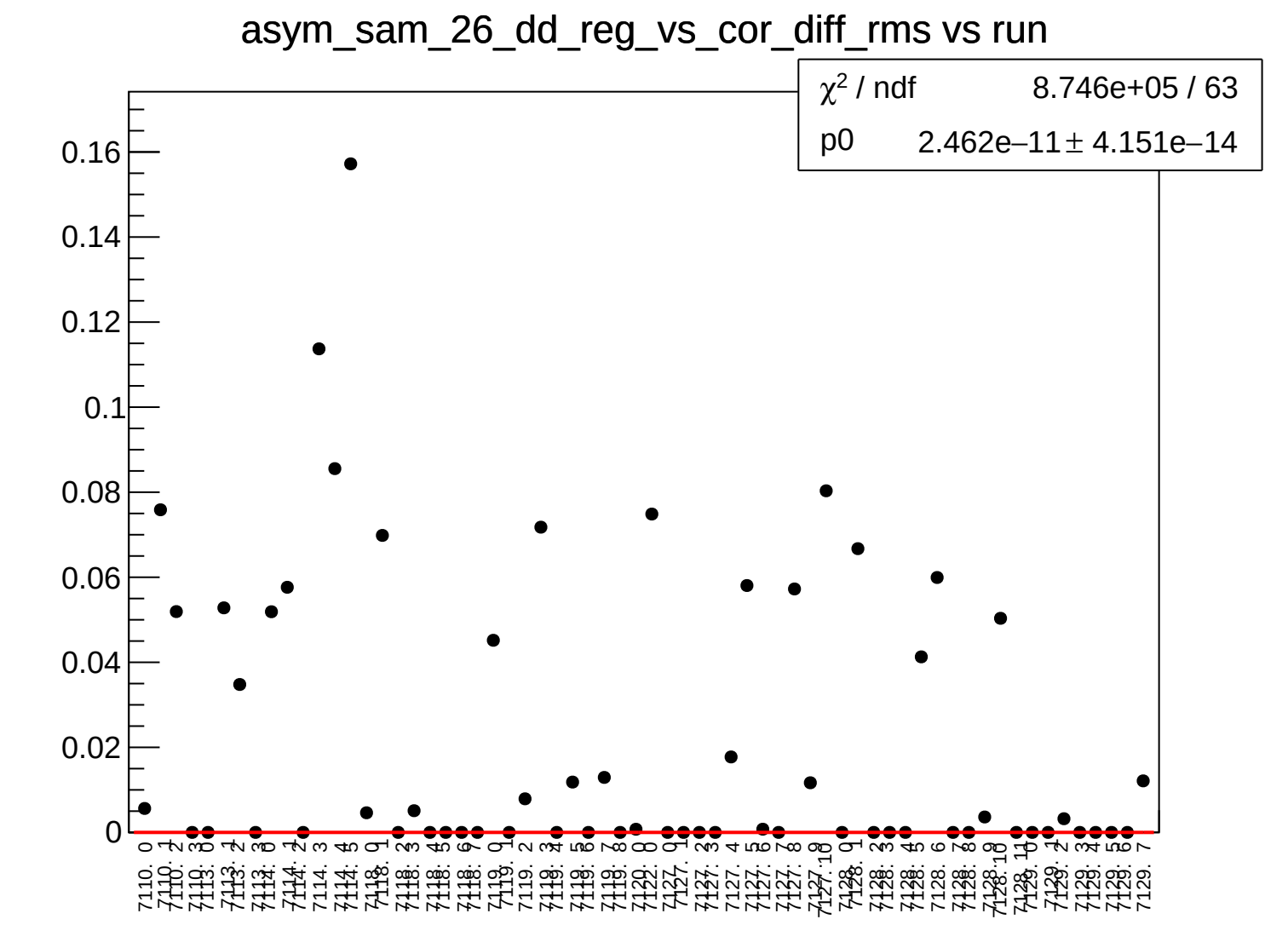

asym_sam_26_dd_mean vs run
χ² / ndf 54.99 / 63
p0 1774 ± 1813
pull
Entries 64
Mean −133
Std Dev 0

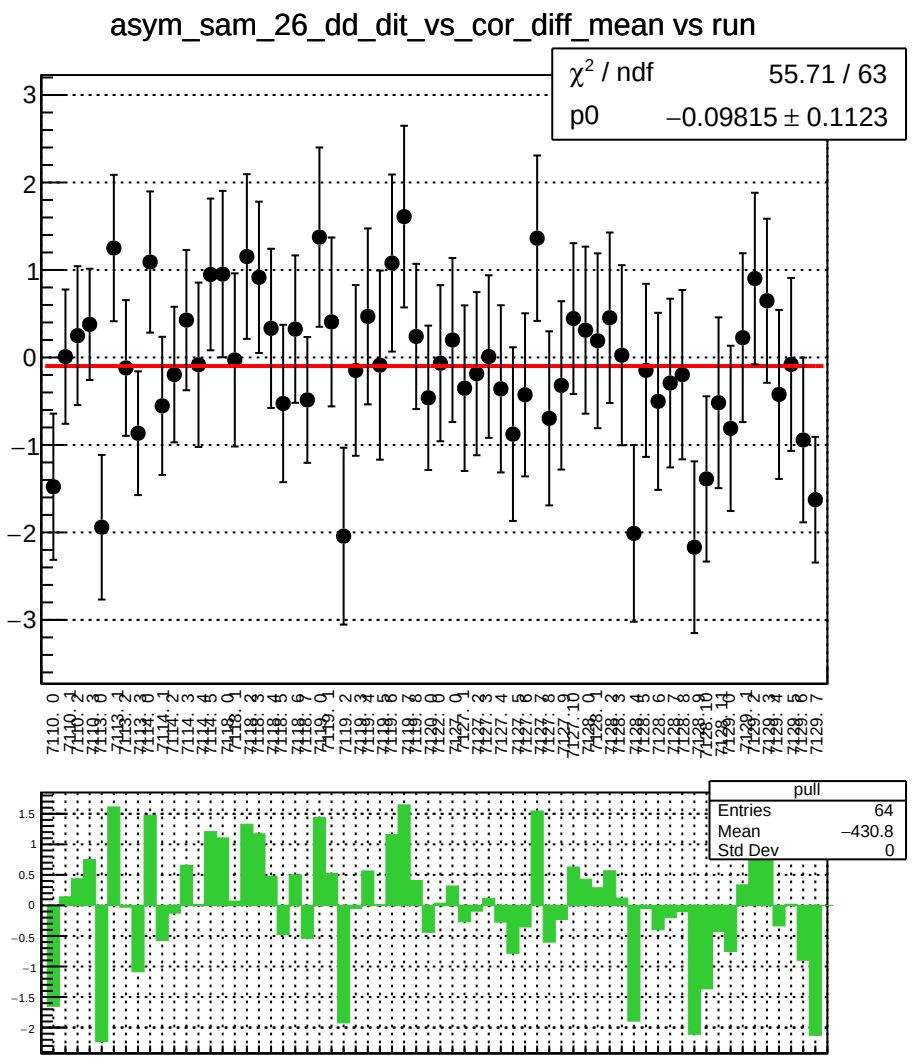

pull1D
Entries 64
Mean −0.02542
Std Dev 0.9266

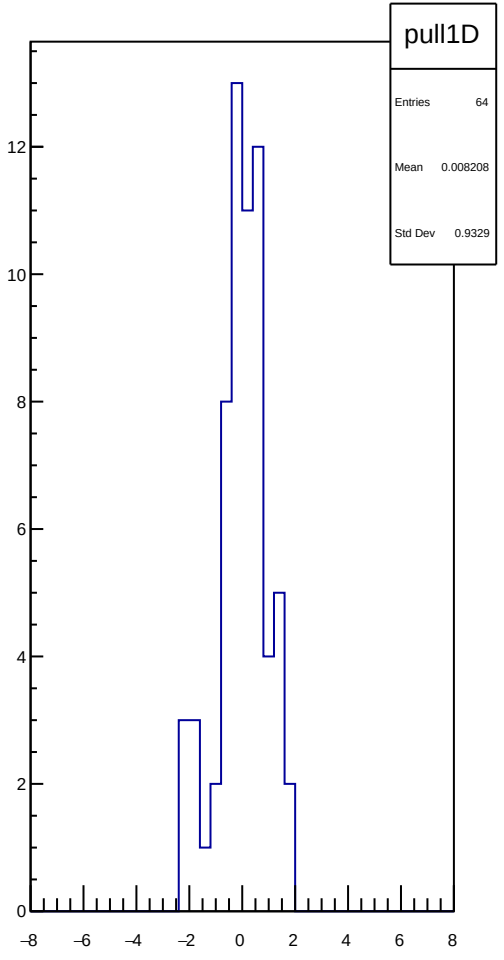

asym_sam_26_dd_rms vs run
χ^2 / ndf 3404 / 63
p0 1418 ± 1.282
1600
1550
1500
1450
1400
1350
1300

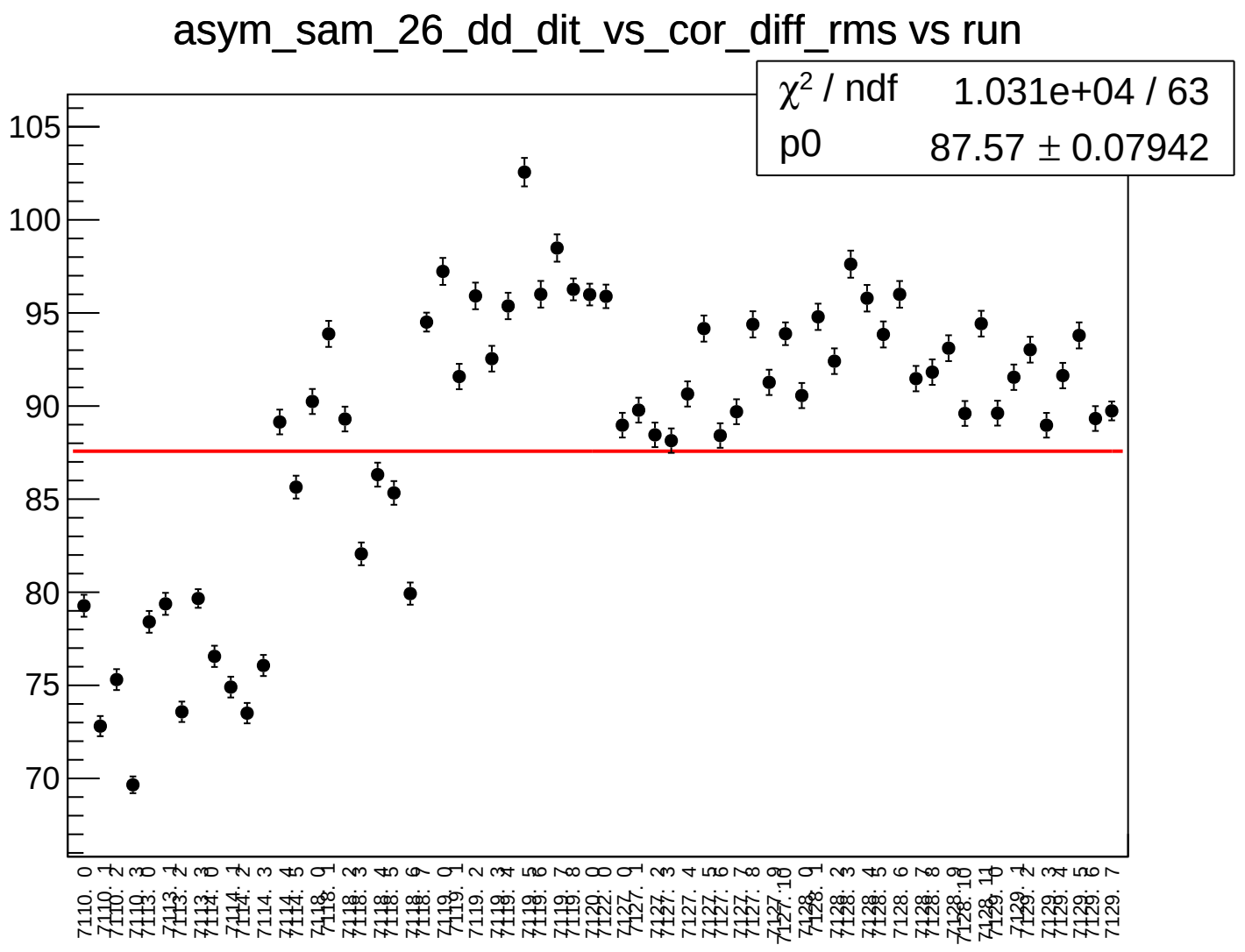

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.48 / 63
p0 1.547e−13 ± 5.871e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 64
Mean 10.71
Std Dev 11.75
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

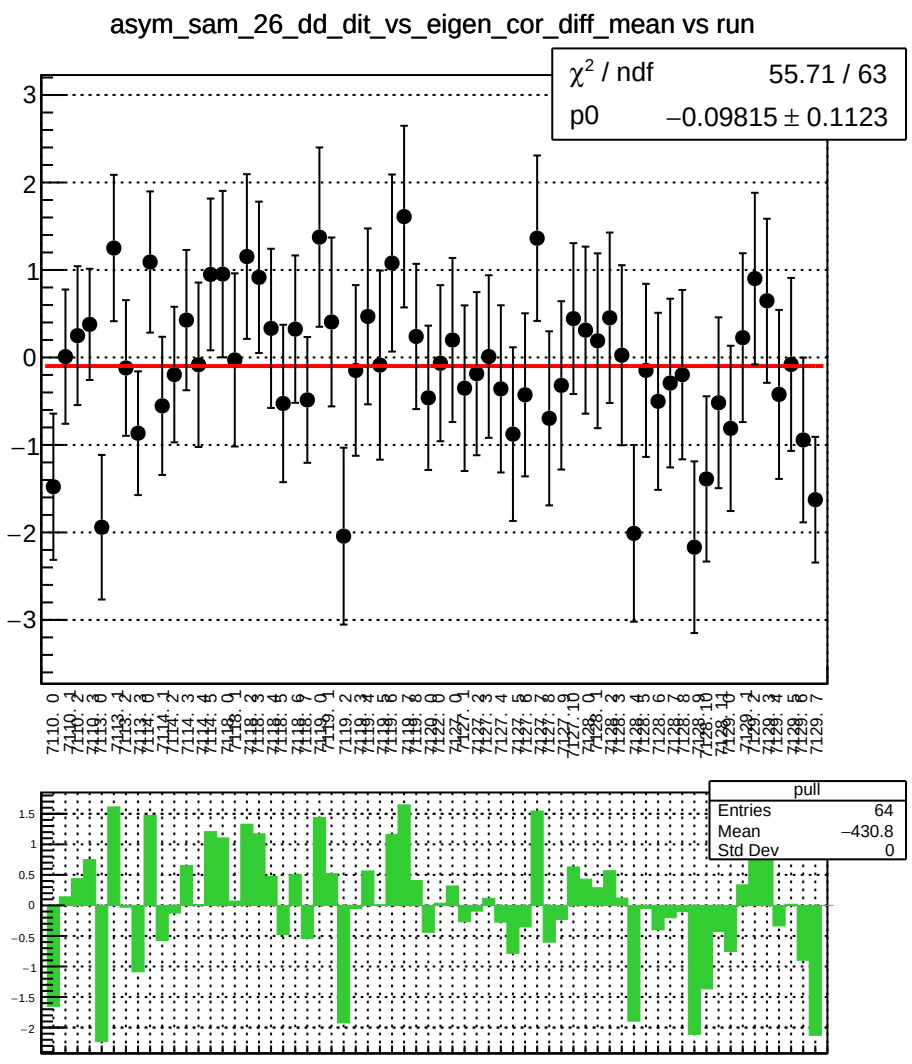

pull1D
Entries 64
Mean 0.0623
Std Dev 0.8406
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

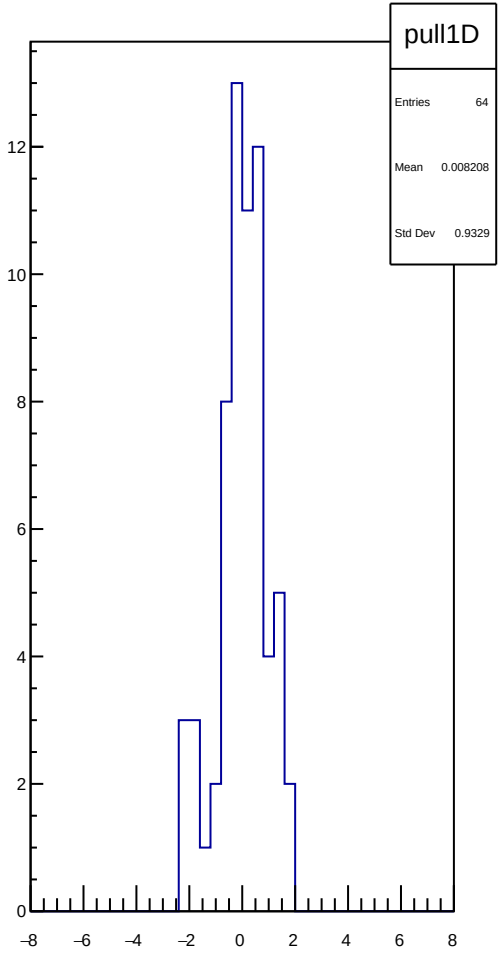

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.746e+05 / 63
p0 2.462e−11 ± 4.151e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

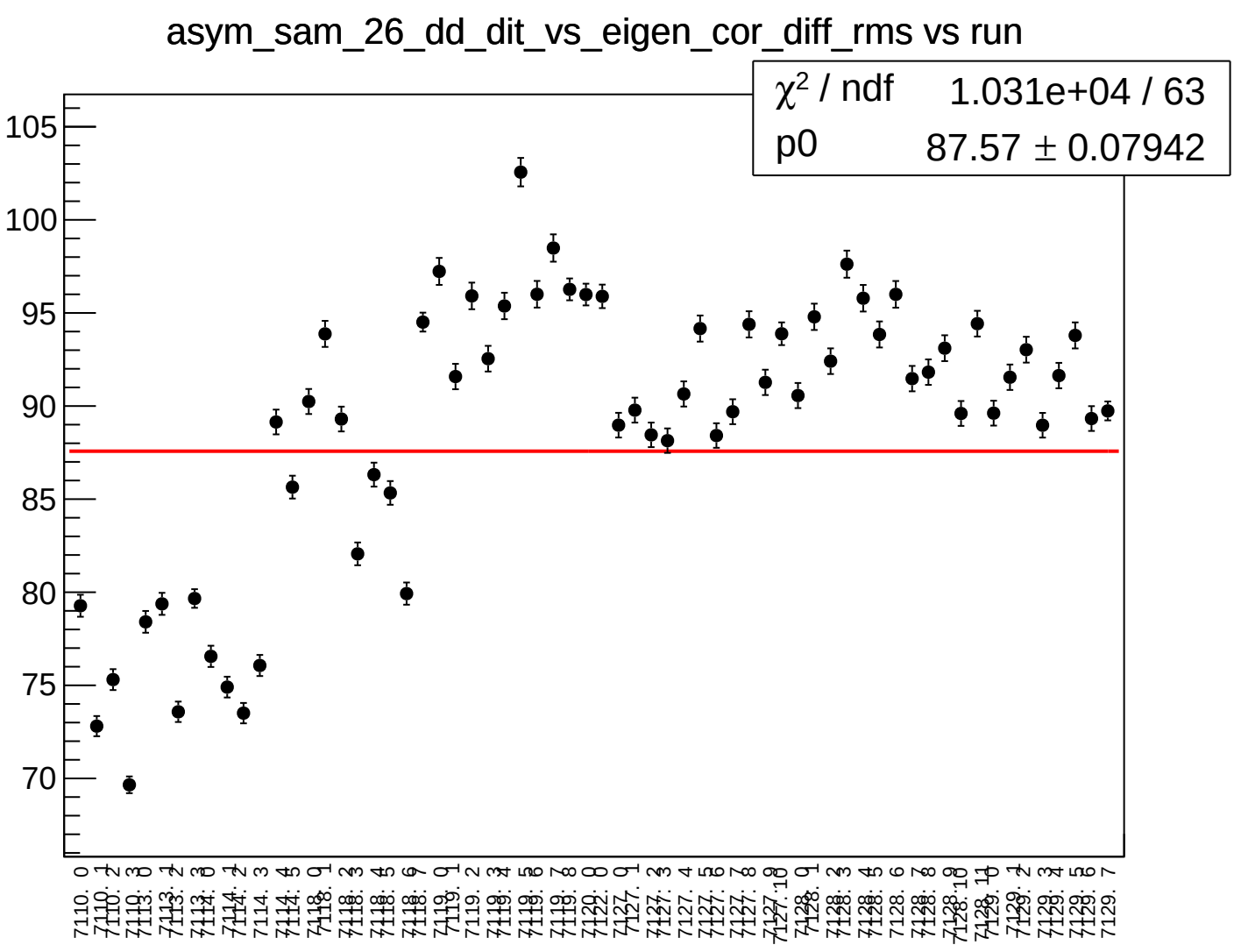

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.71 / 63
p0 −0.09815 ± 0.1123
pull
Entries 64
Mean −430.8
Std Dev 0

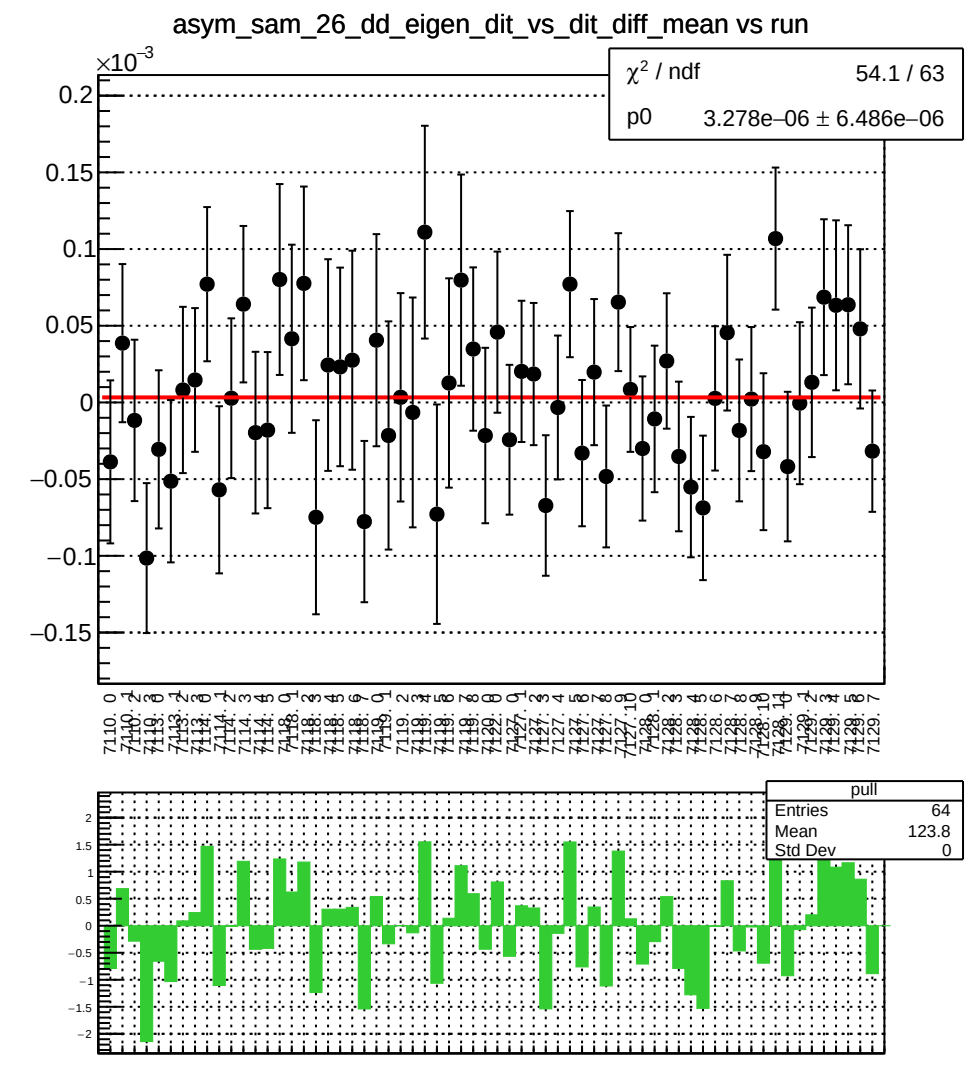

pull1D
Entries 64
Mean 0.008208
Std Dev 0.9329

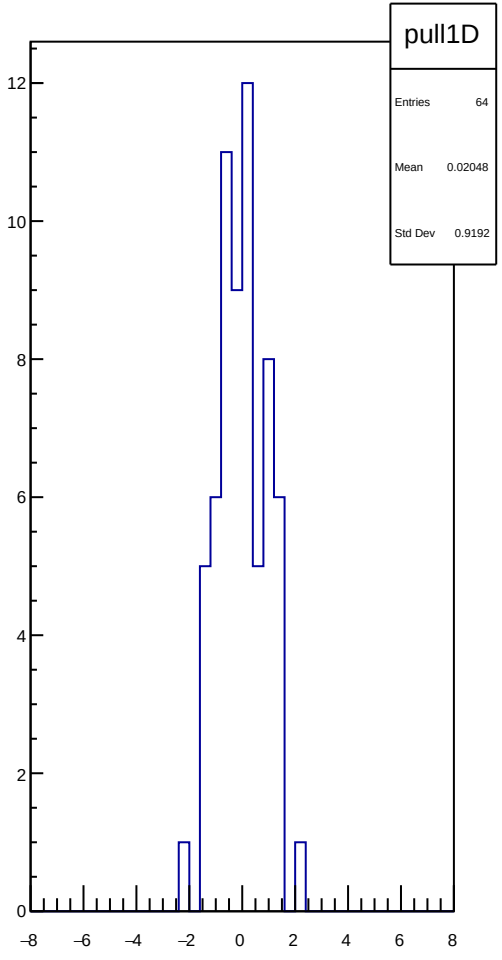

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.031e+04 / 63
p0 87.57 ± 0.07942
105
100
95
90
85
80
75
70

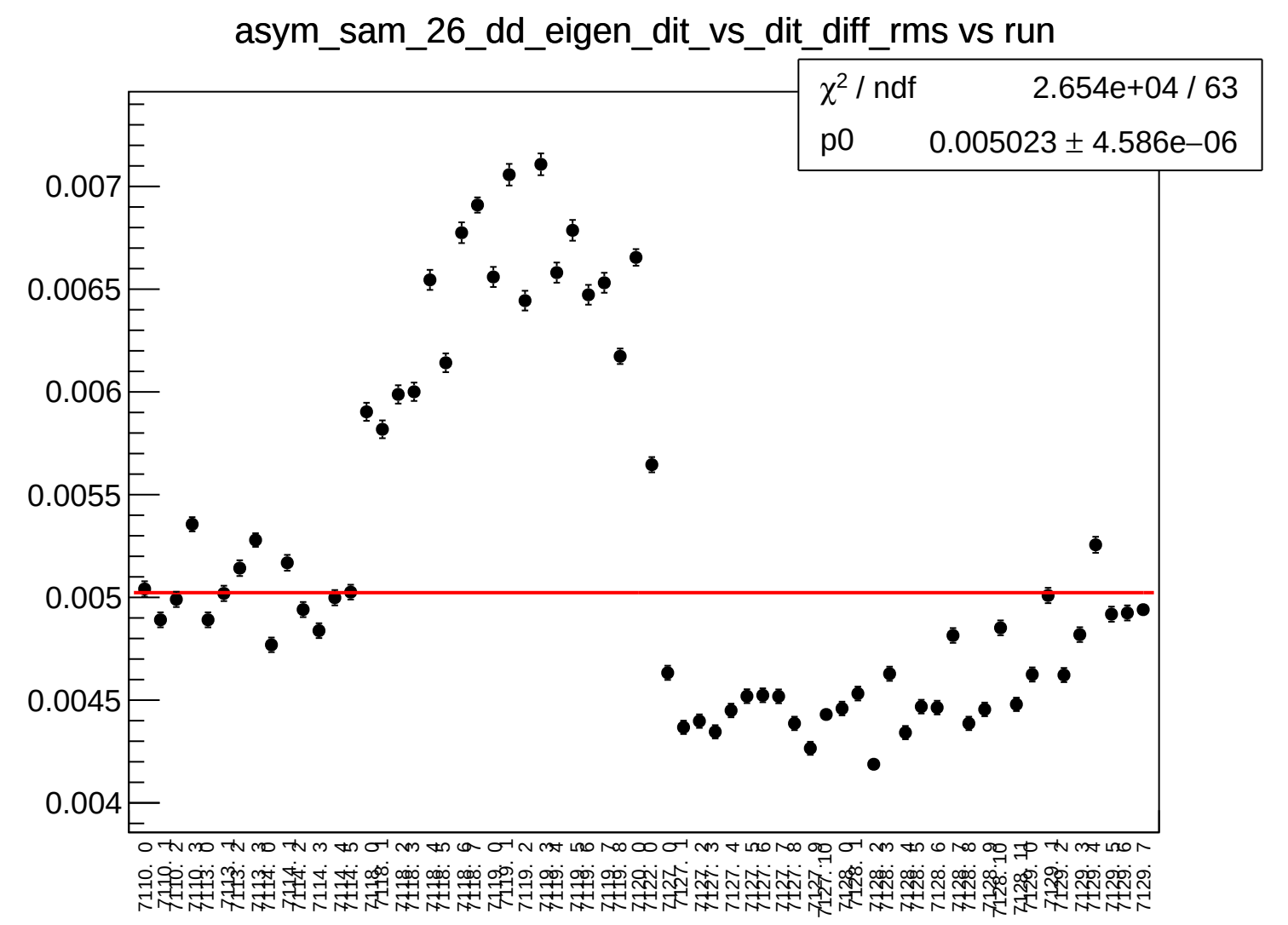

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.71 / 63
p0 −0.09815 ± 0.1123
pull
Entries 64
Mean −430.8
Std Dev 0

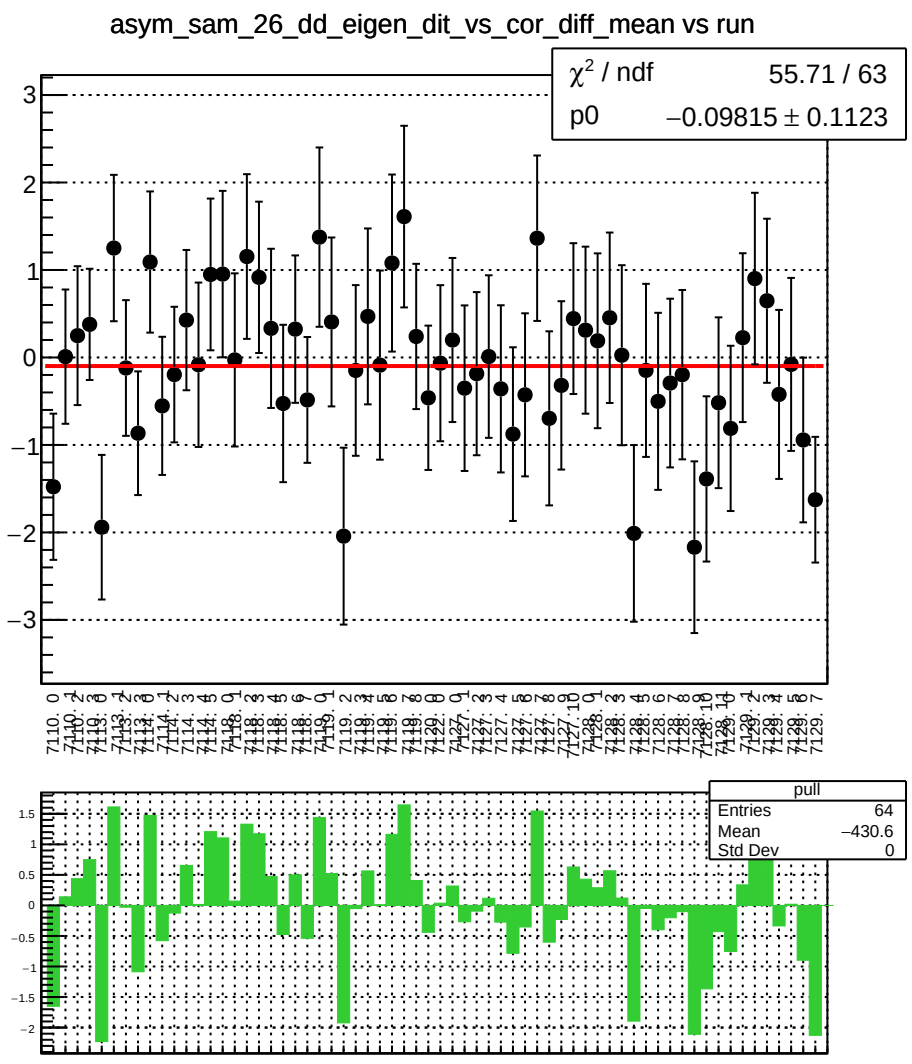

pull1D
Entries 64
Mean 0.008208
Std Dev 0.9329

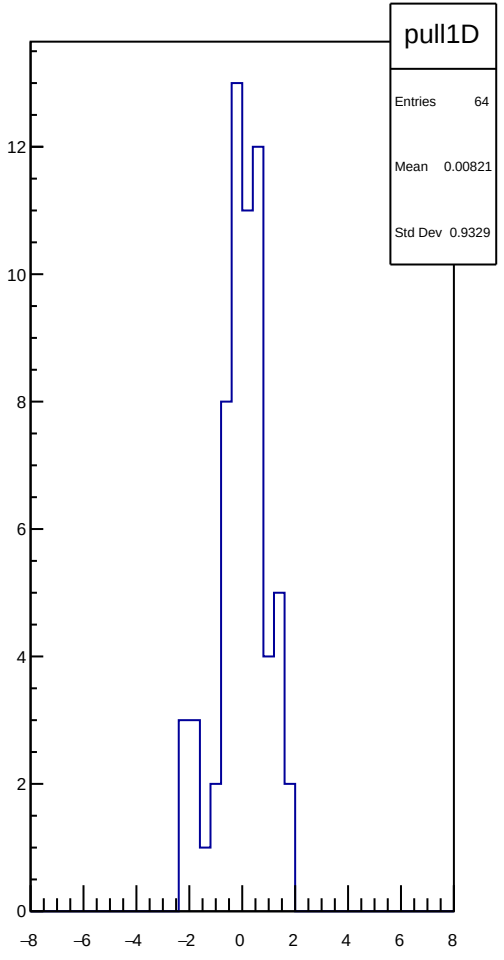

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+04 / 63
p0 87.57 ± 0.07942
105
100
95
90
85
80
75
70

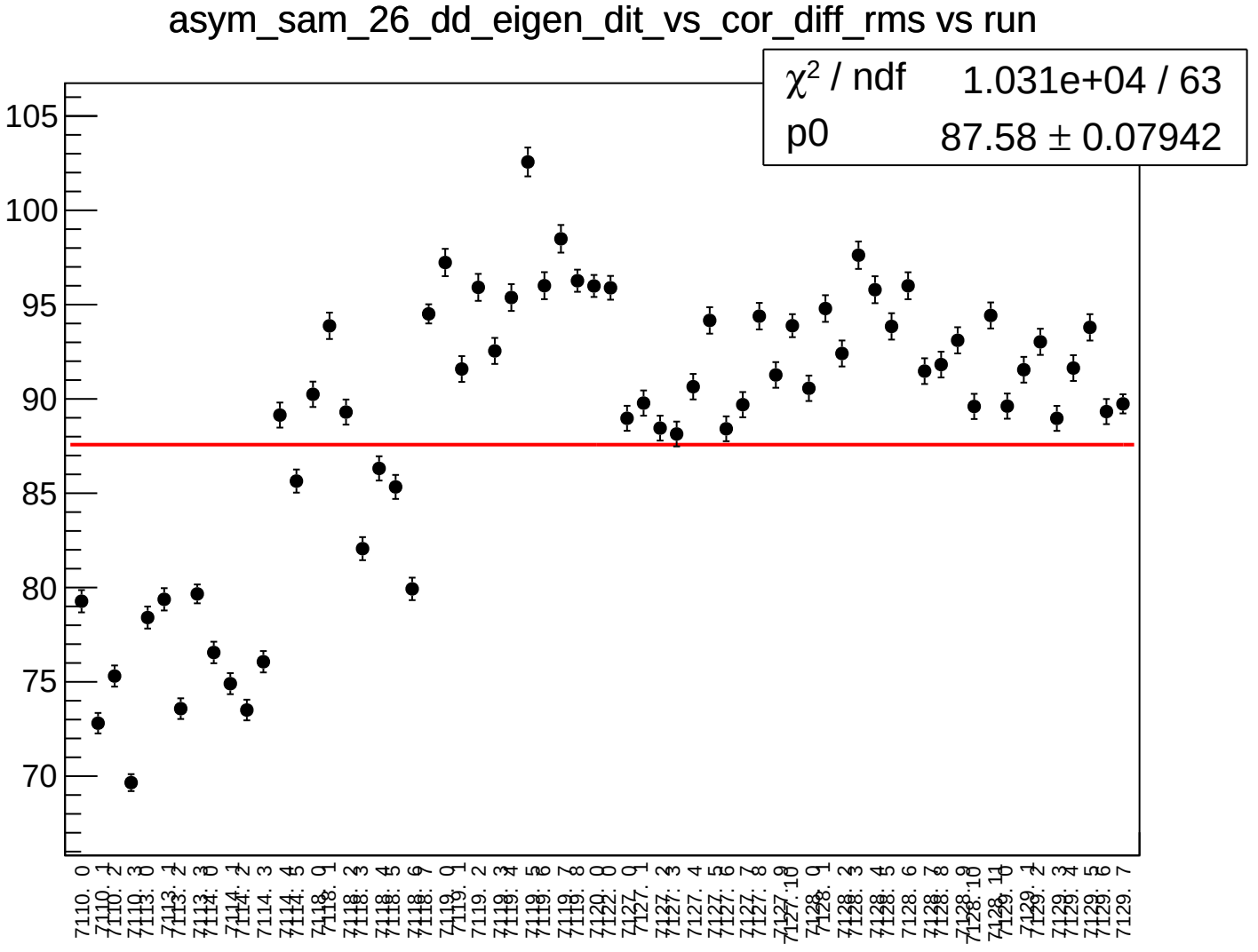

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.1 / 63
p0 3.278e−06 ± 6.486e−06
pull
Entries 64
Mean 123.8
Std Dev 0

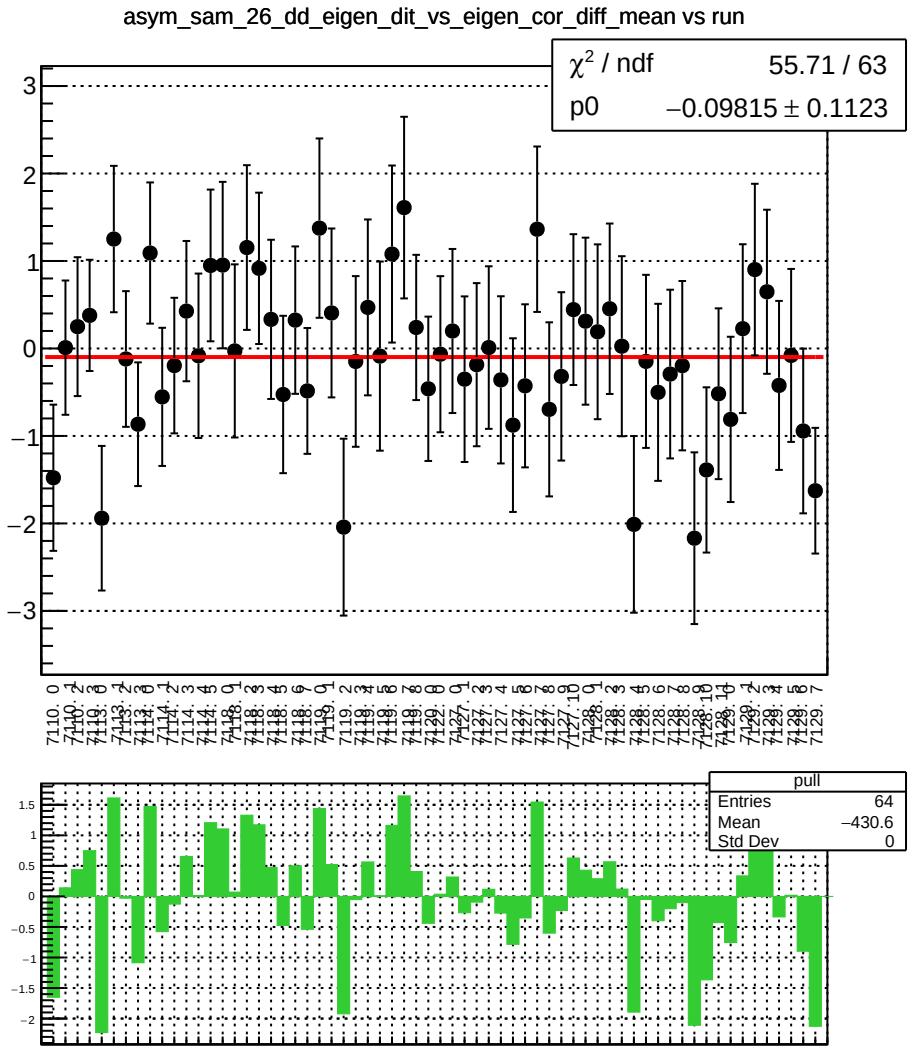

pull1D
Entries 64
Mean 0.02048
Std Dev 0.9192

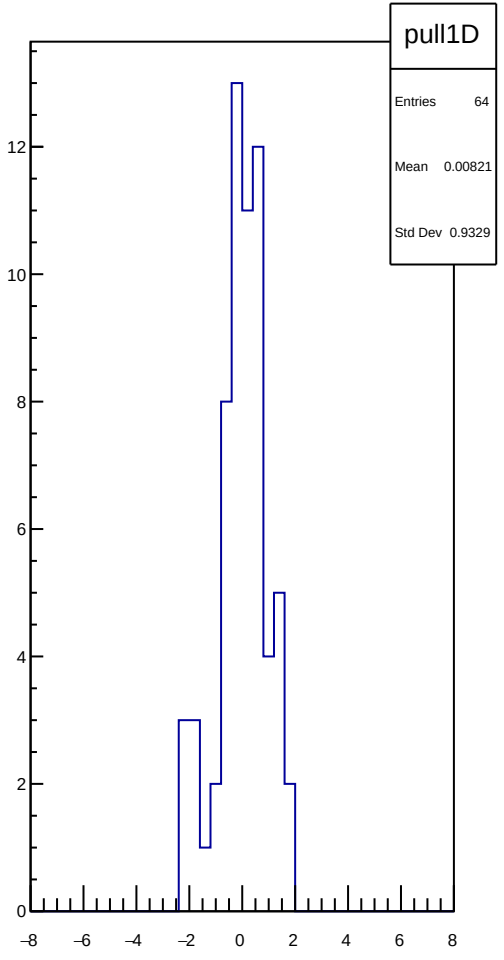

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.654e+04 / 63
p0 0.005023 ± 4.586e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004

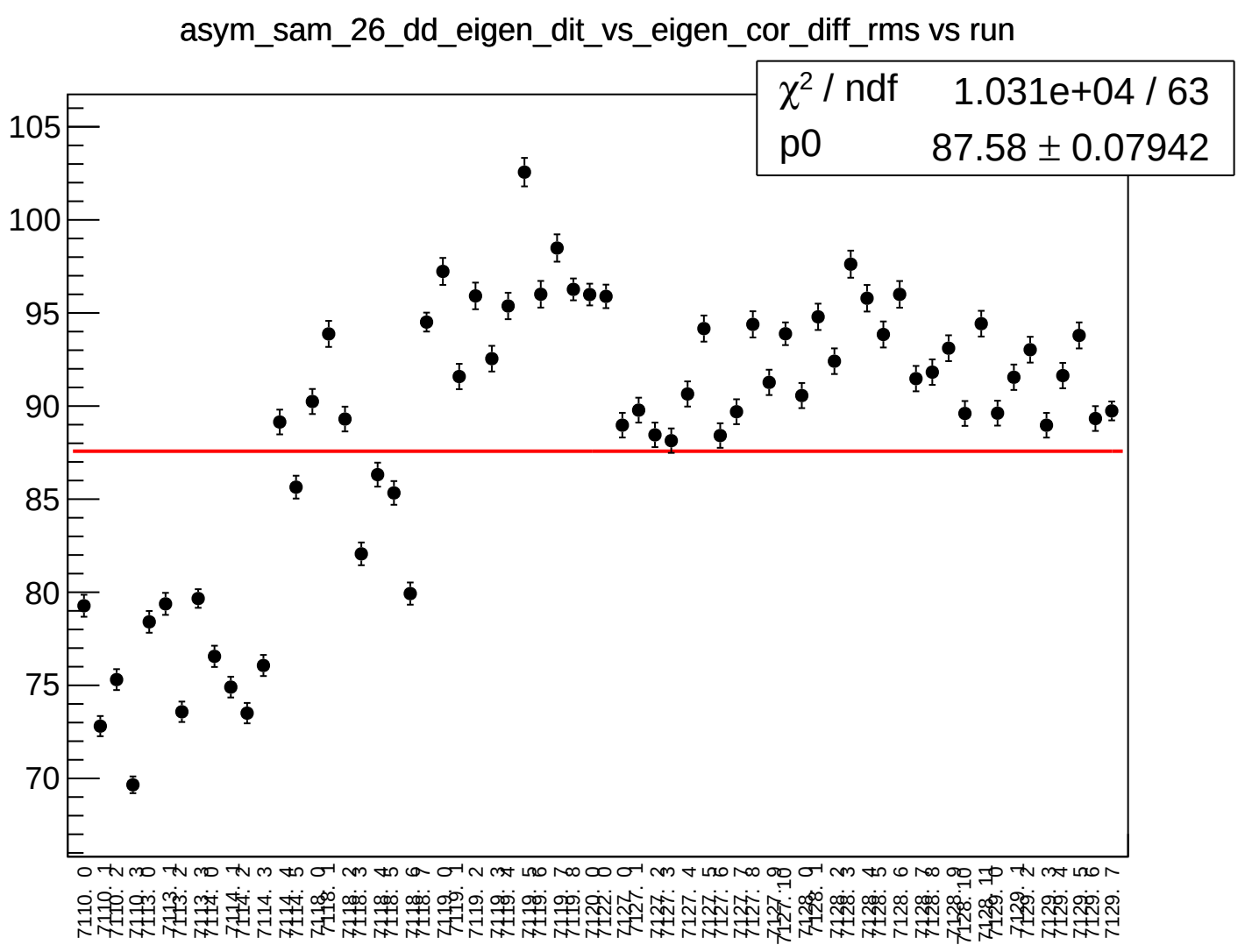

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.71 / 63
p0 −0.09815 ± 0.1123
pull
Entries 64
Mean −430.6
Std Dev 0

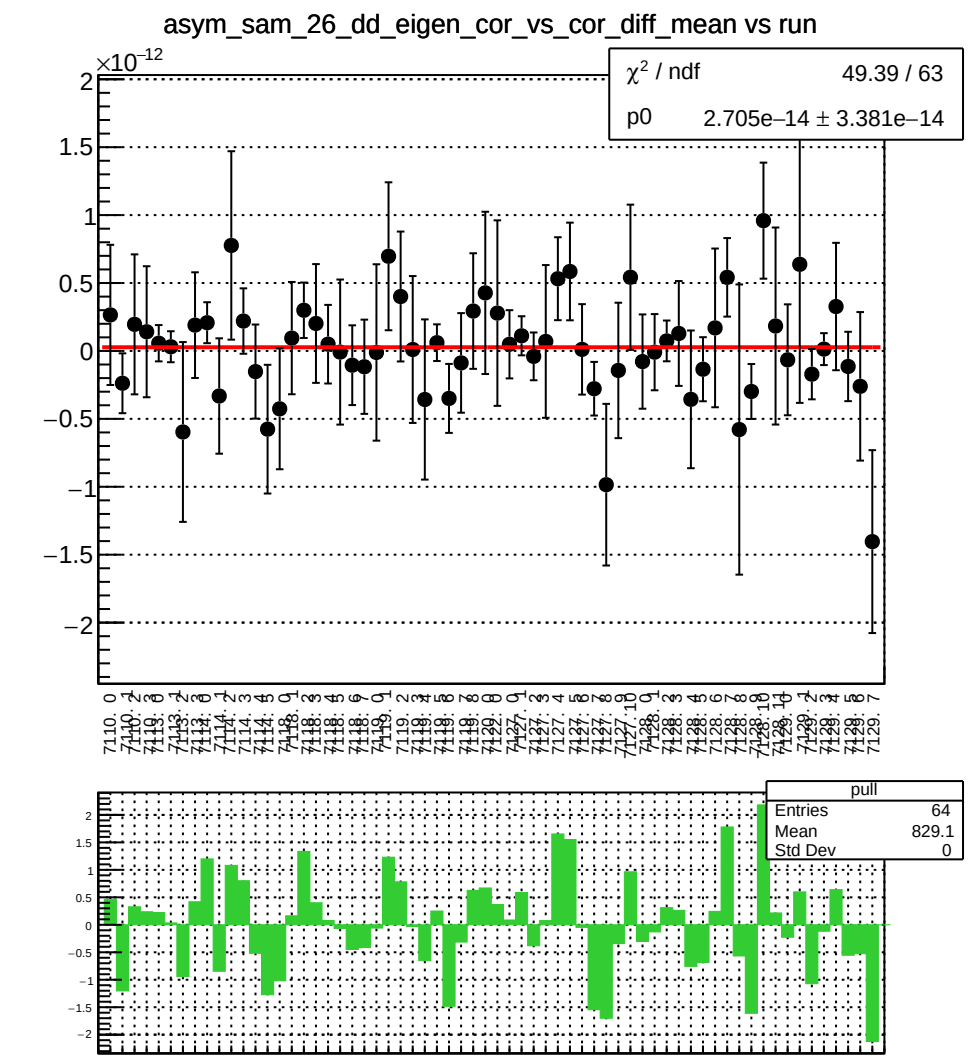

pull1D
Entries 64
Mean 0.00821
Std Dev 0.9329

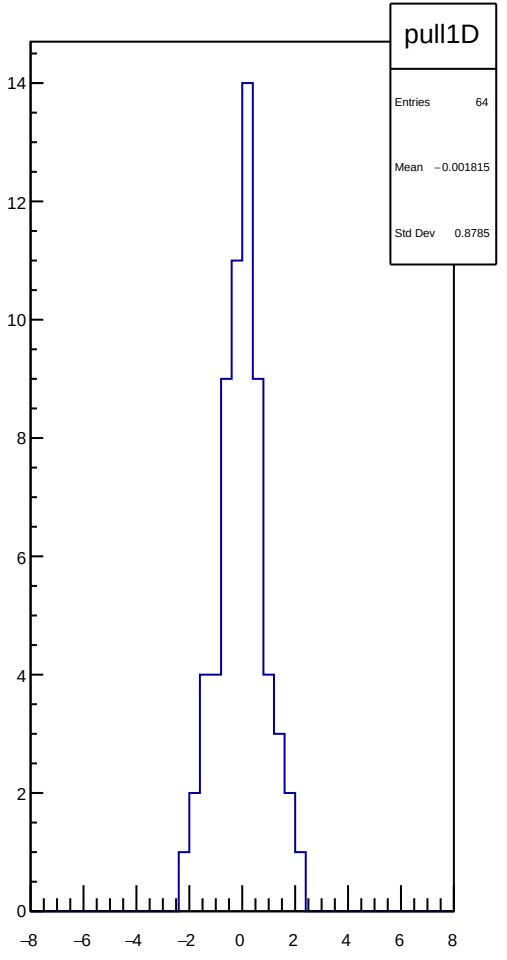

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.031e+04 / 63
p0 87.58 ± 0.07942
105
100
95
90
85
80
75
70

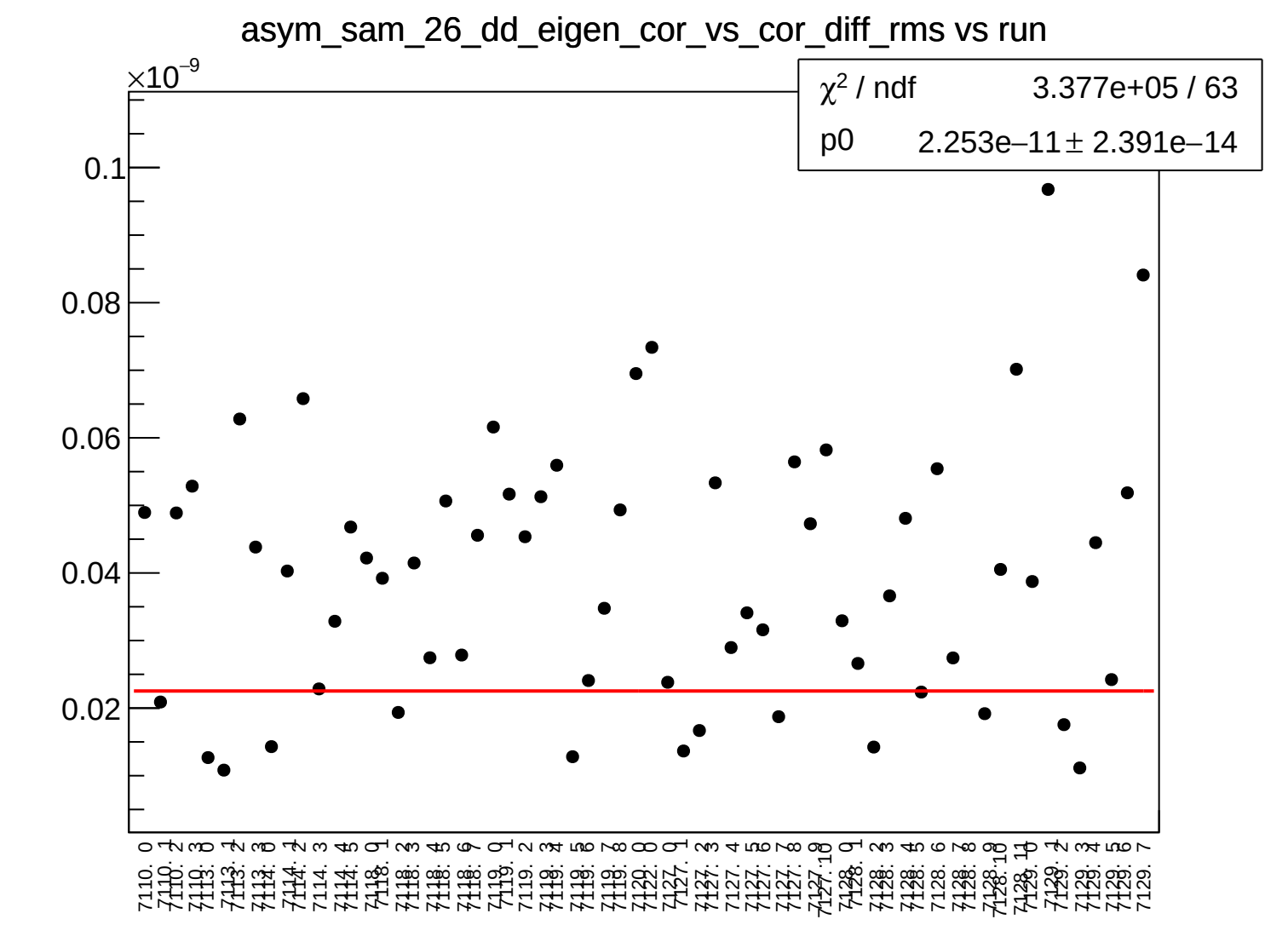

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.71 / 63
p0 −0.09815 ± 0.1123
pull
Entries 64
Mean −430.6
Std Dev 0

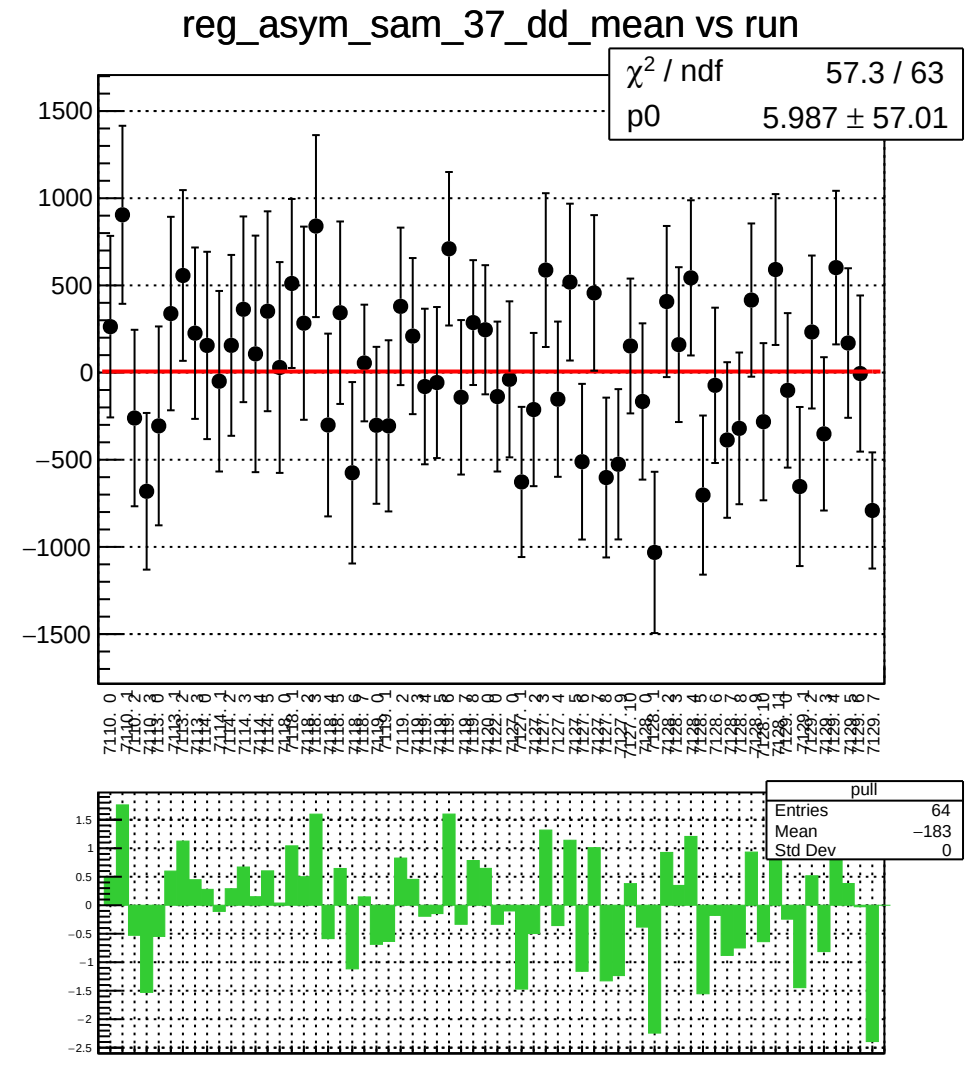

pull1D
Entries 64
Mean 0.00821
Std Dev 0.9329

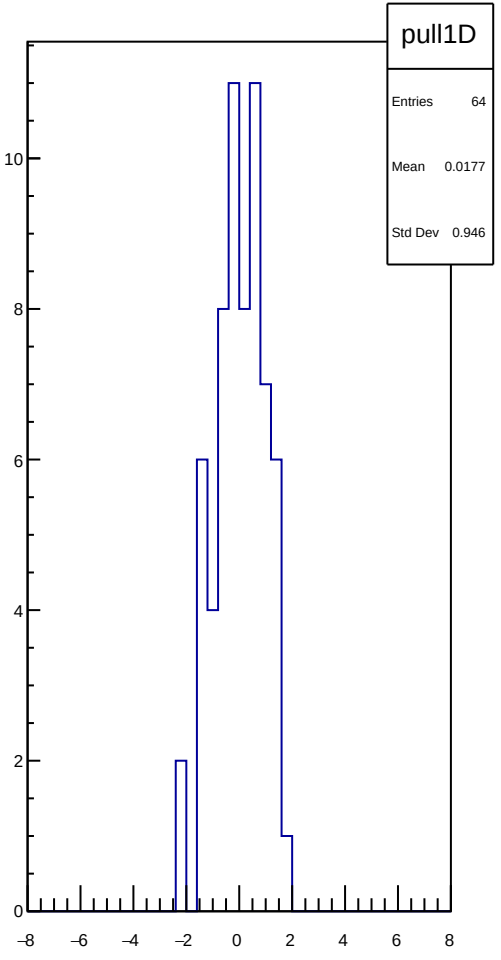

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+04 / 63
p0 87.58 ± 0.07942
105
100
95
90
85
80
75
70

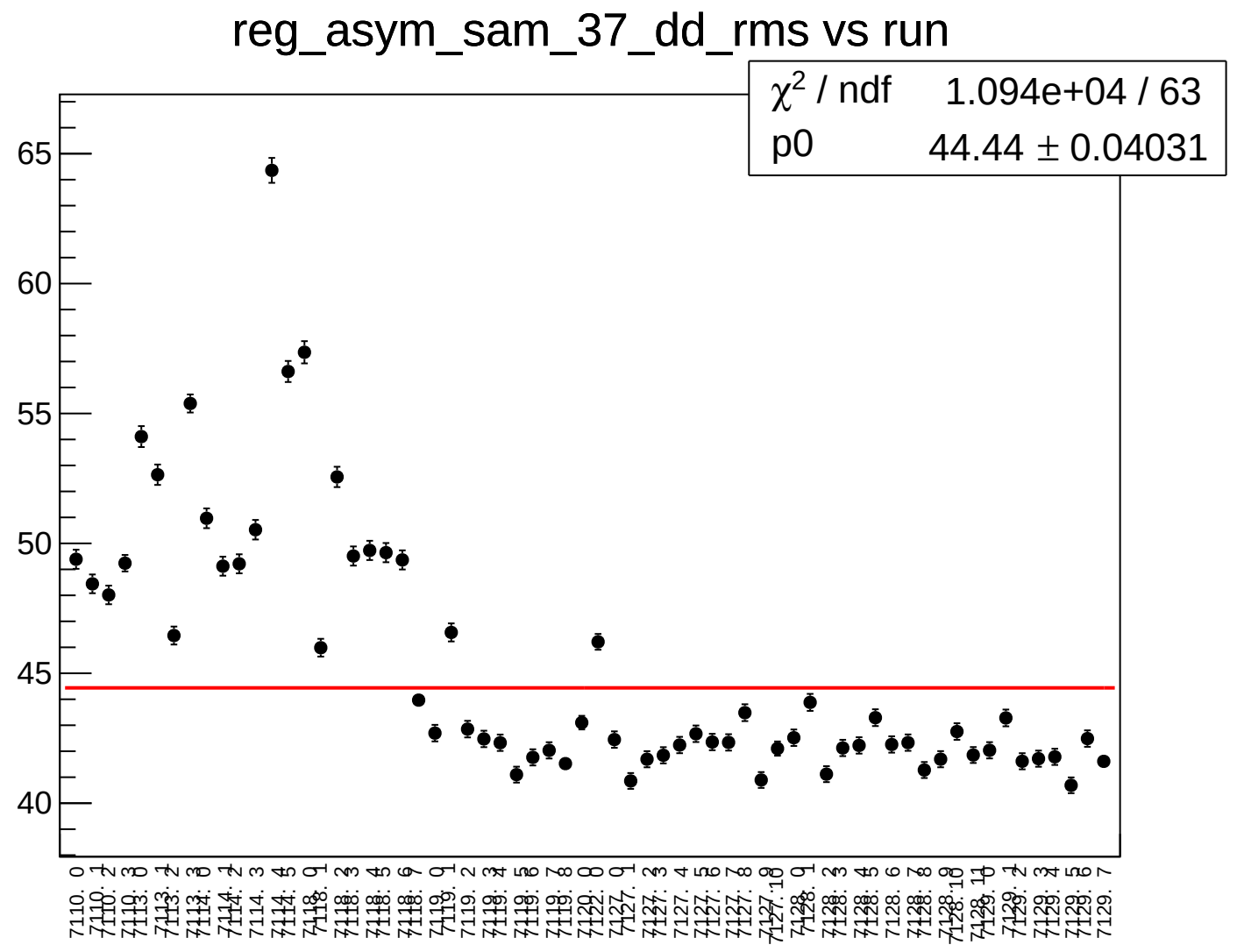

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.39 / 63
p0 2.705e−14 ± 3.381e−14
pull
Entries 64
Mean 829.1
Std Dev 0

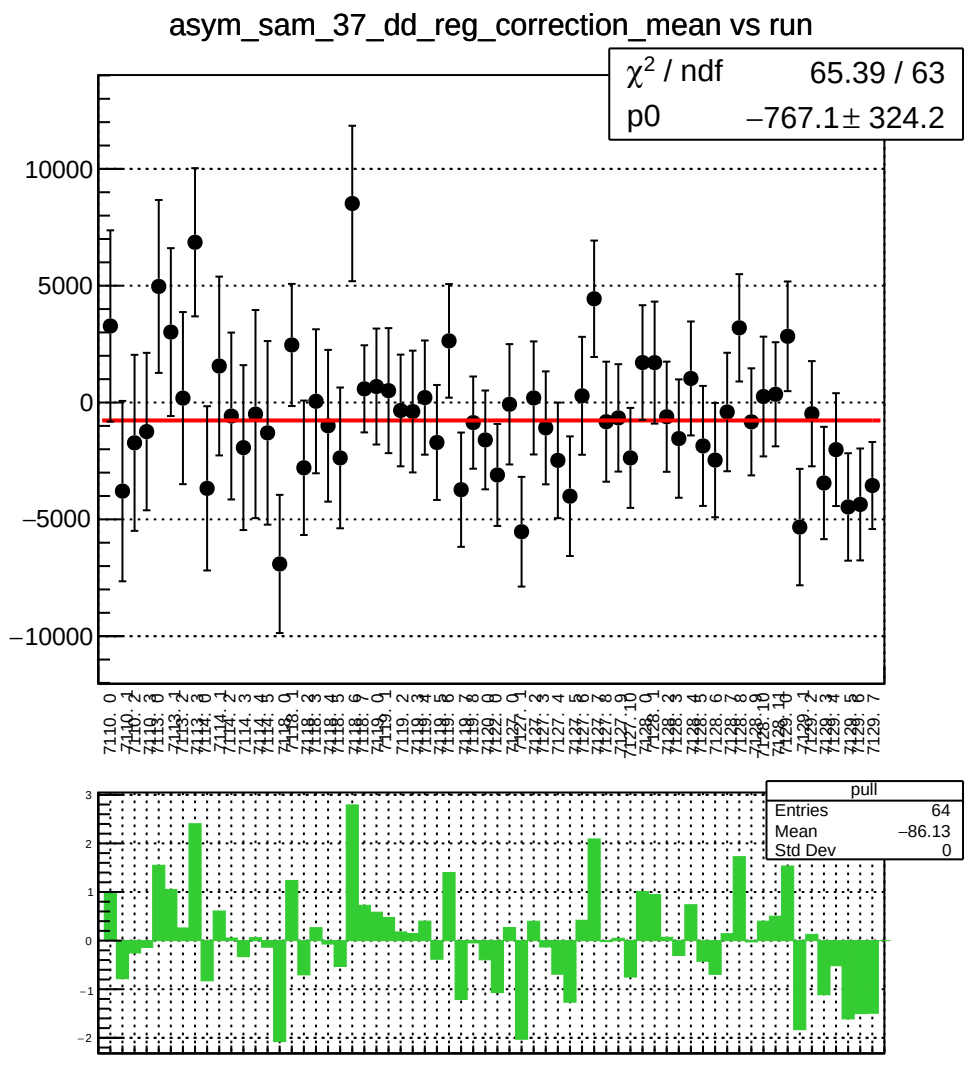

pull1D
Entries 64
Mean −0.001815
Std Dev 0.8785

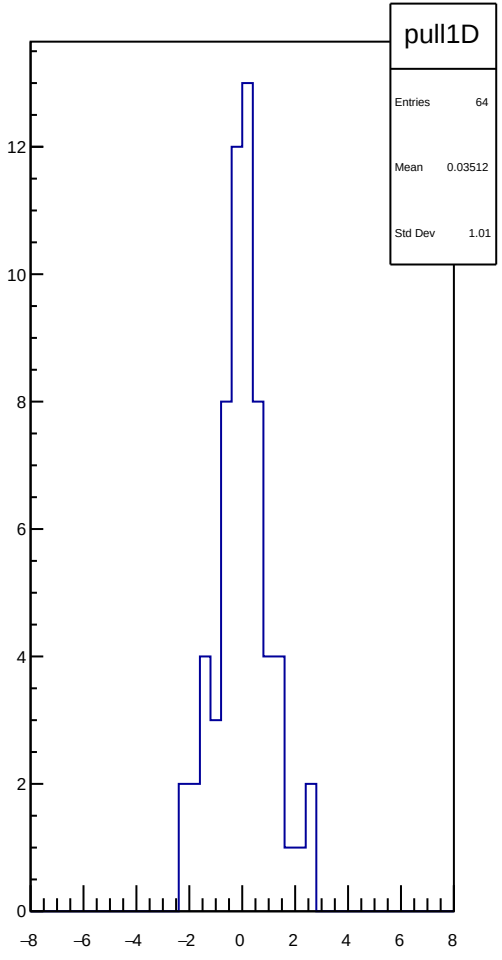

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.377e+05 / 63
p0 2.253e−11 ± 2.391e−14
0.1
0.08
0.06
0.04
0.02

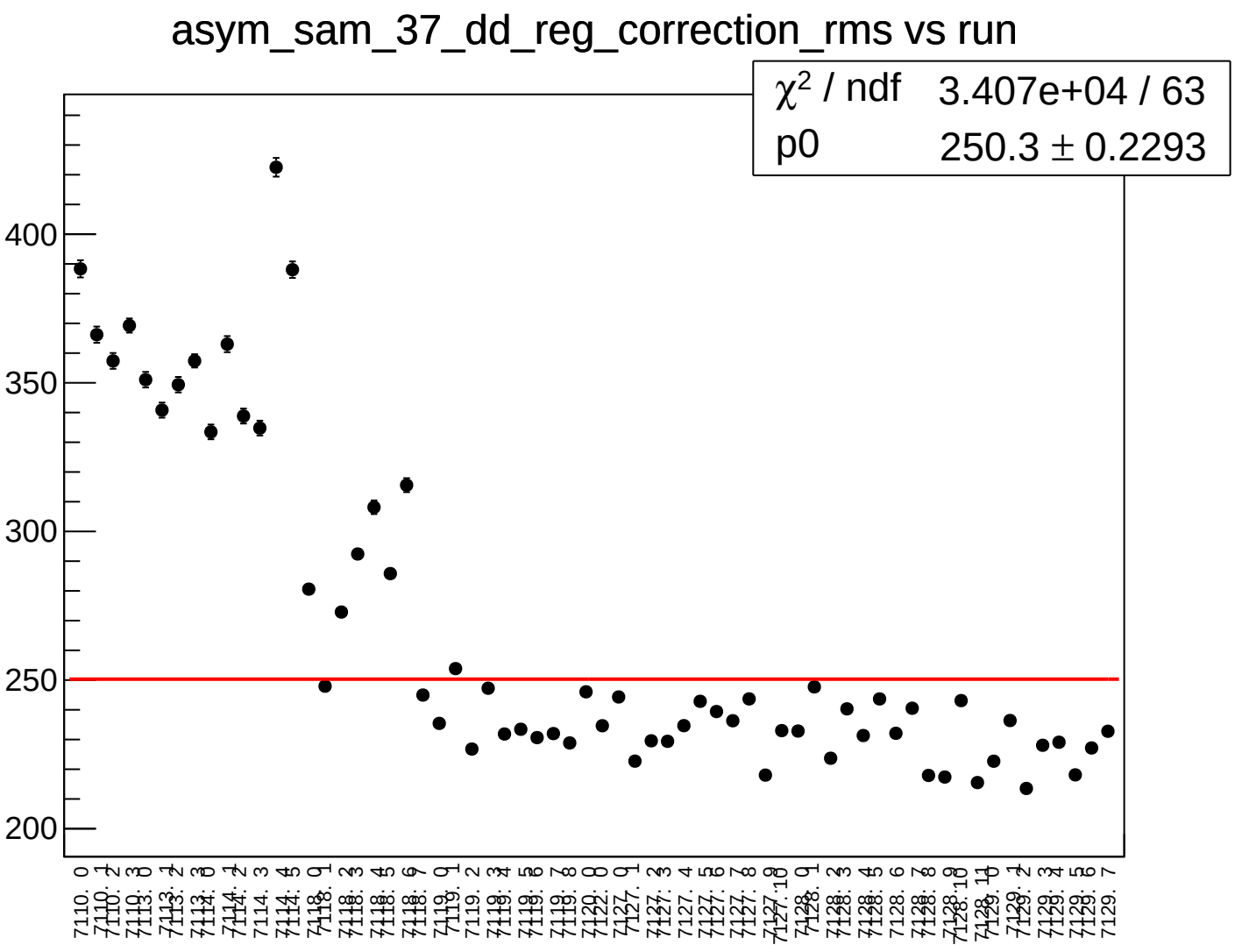

reg_asym_sam_37_dd_mean vs run
χ² / ndf 57.3 / 63
p0 5.987 ± 57.01
pull
Entries 64
Mean −183
Std Dev 0

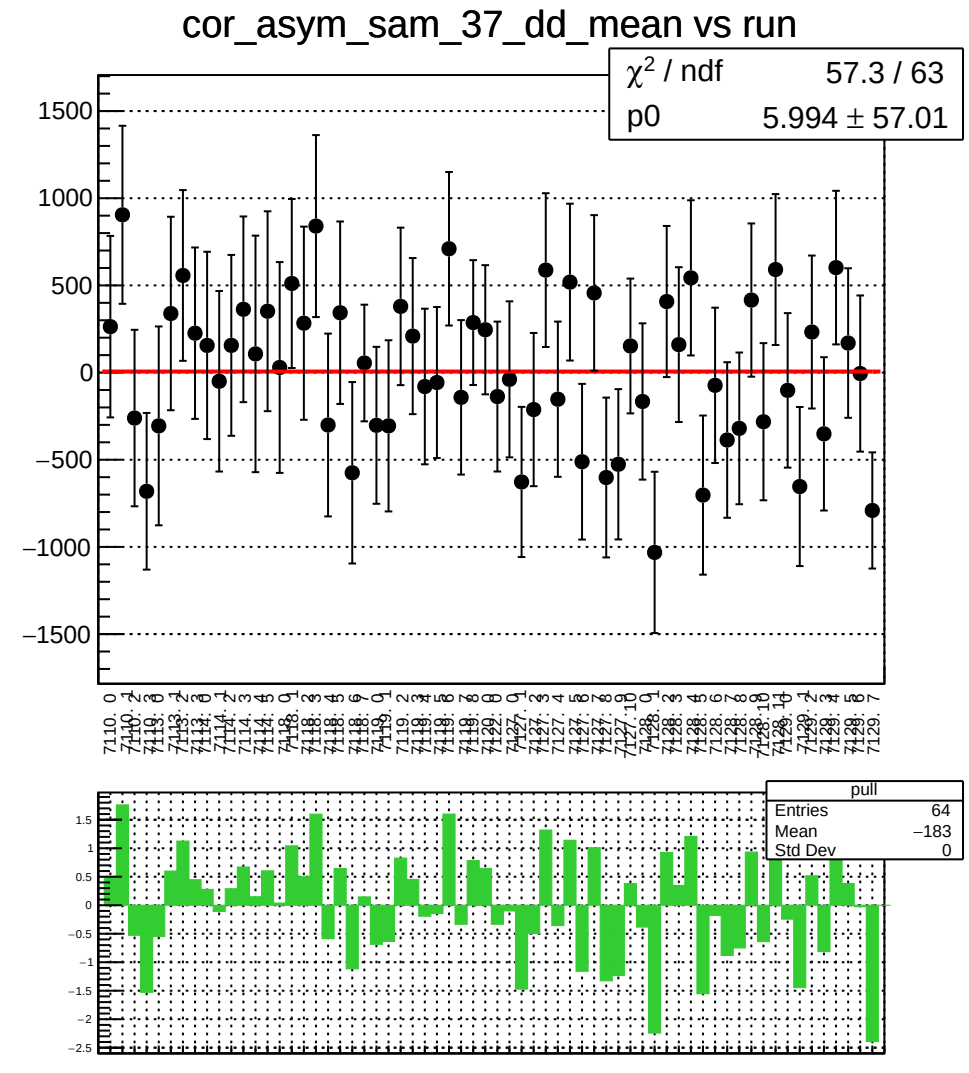

pull1D
Entries 64
Mean 0.0177
Std Dev 0.946

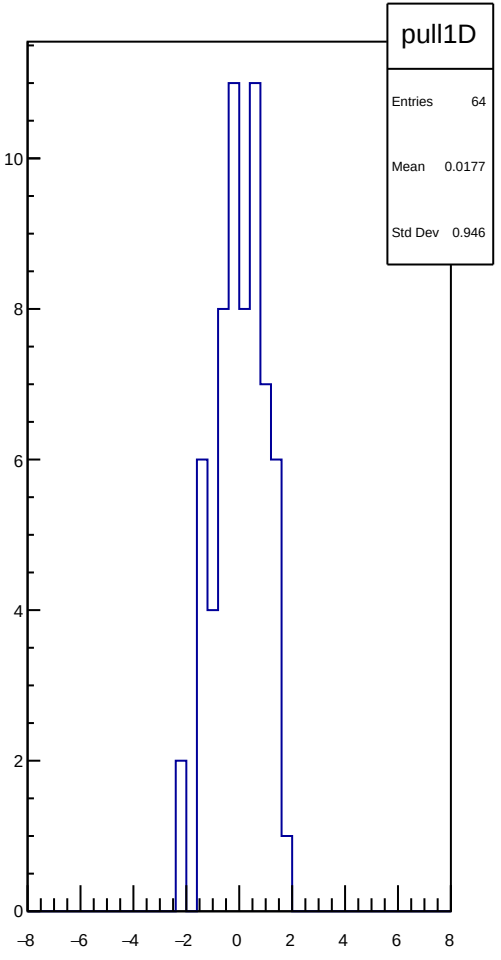

reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.094e+04 / 63
p0 44.44 ± 0.04031
65
60
55
50
45
40

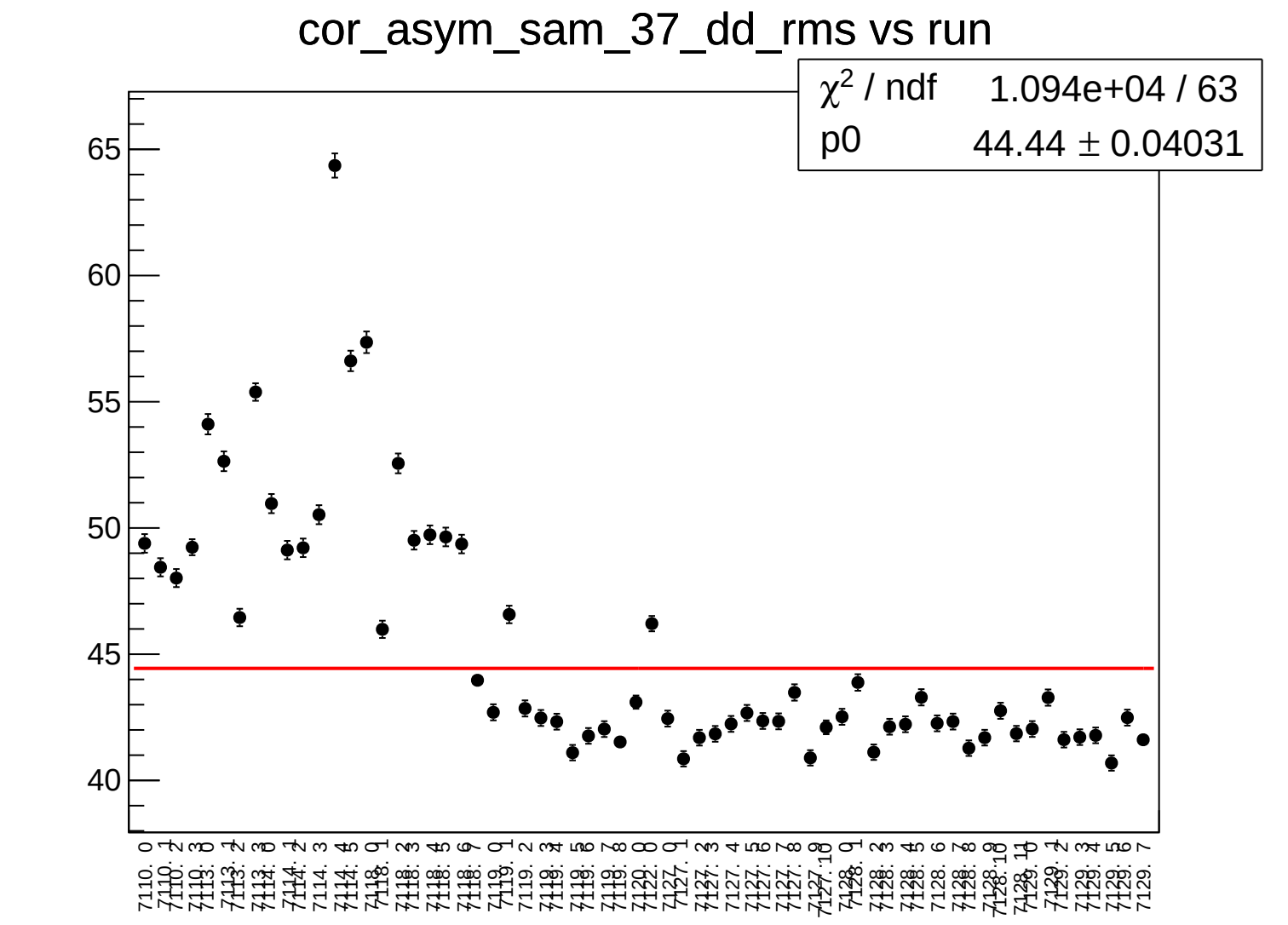

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 65.39 / 63
p0 −767.1± 324.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −86.13
Std Dev 0
3
2
1
0
−1
−2

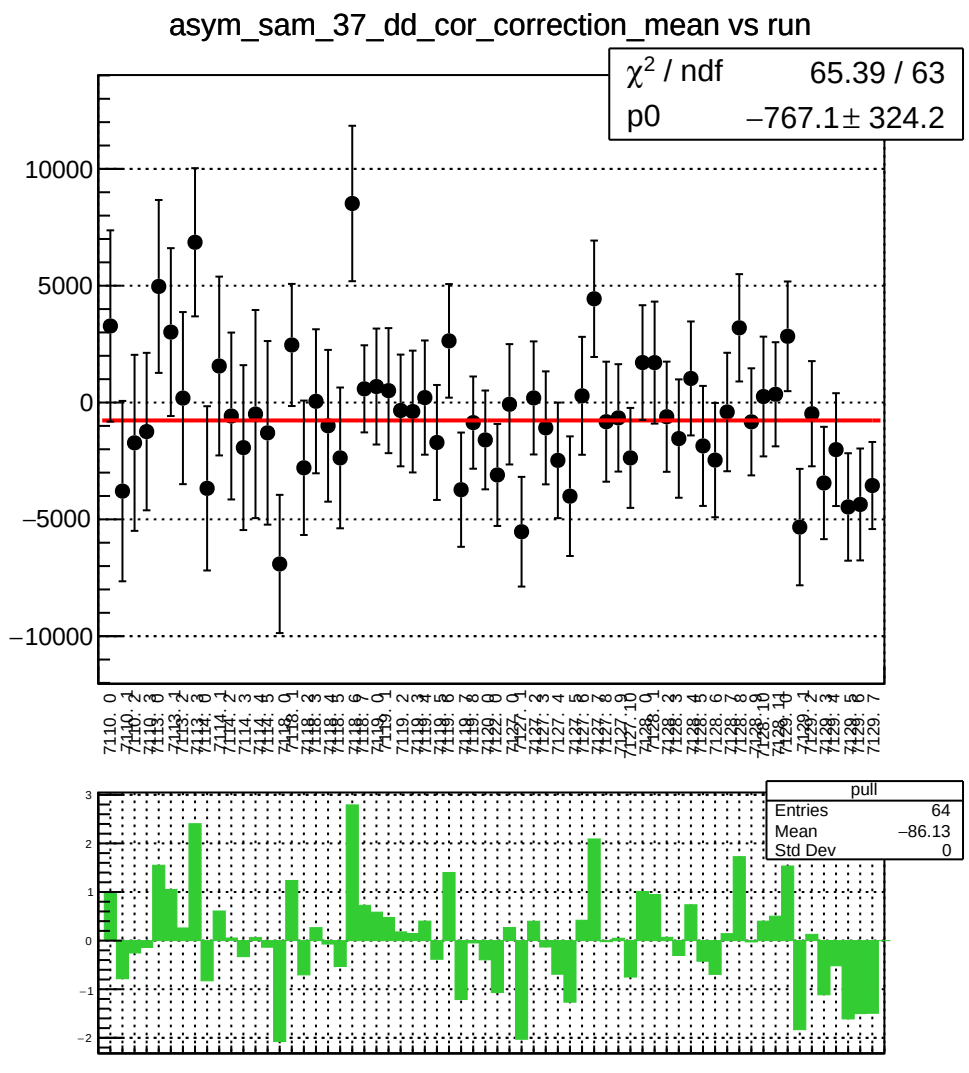

pull1D
Entries 64
Mean 0.03512
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

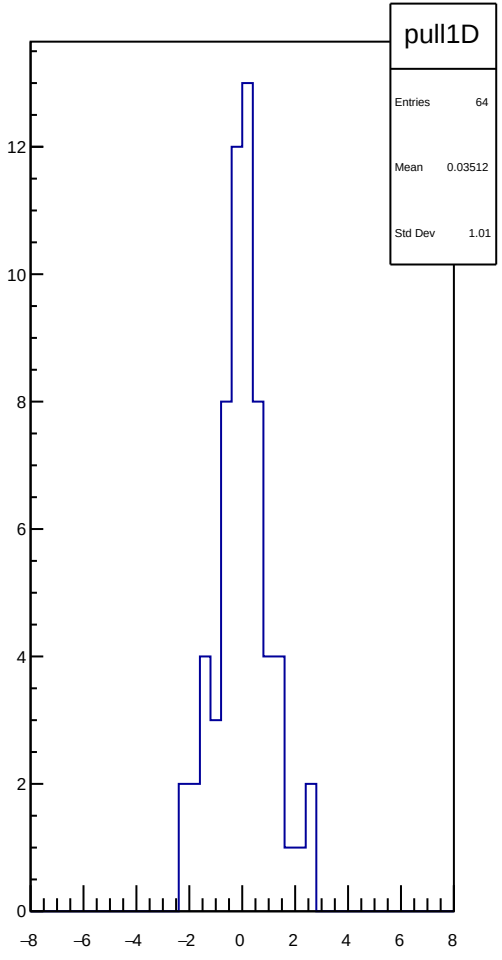

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 3.407e+04 / 63
p0 250.3 ± 0.2293
400
350
300
250
200

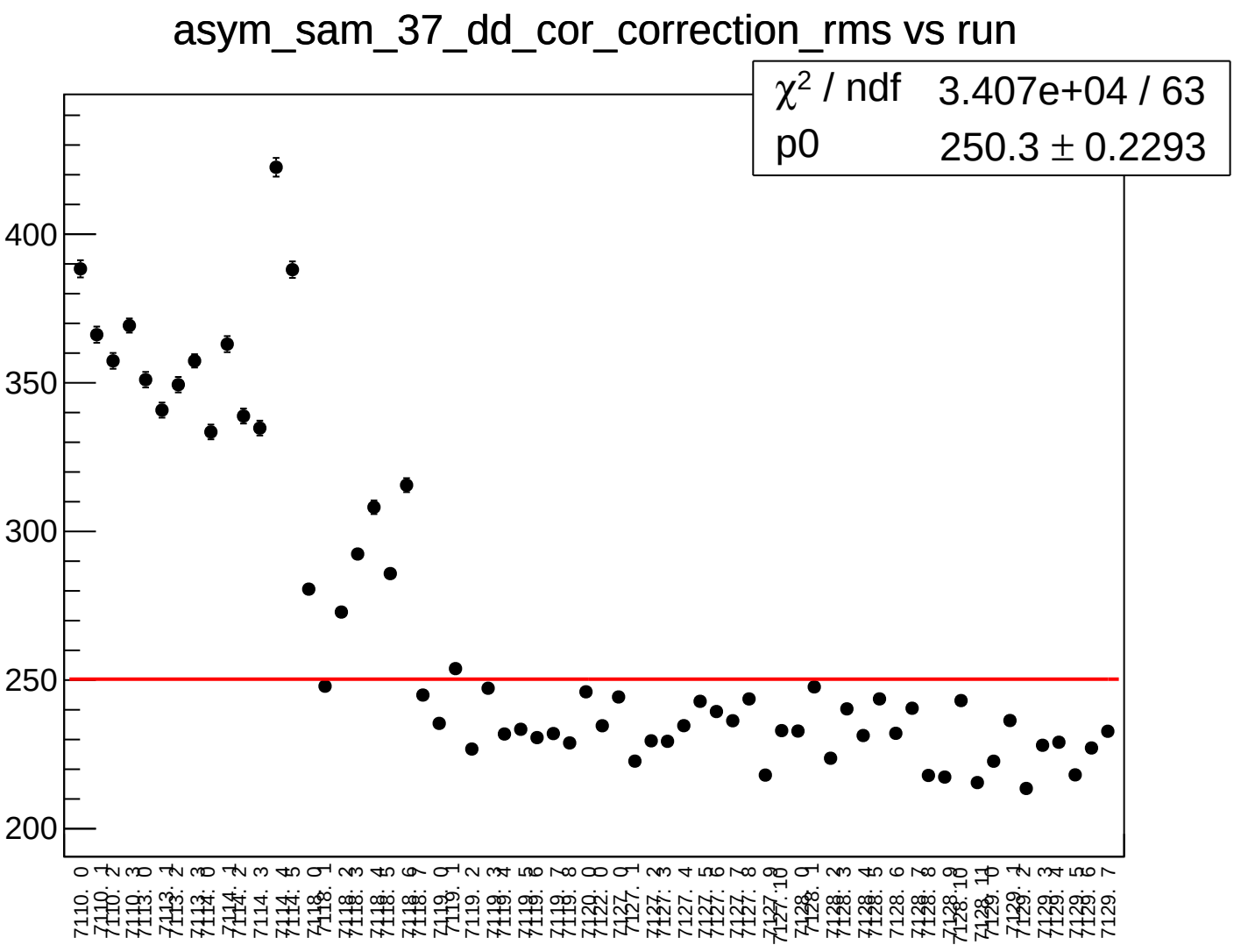

cor_asym_sam_37_dd_mean vs run
χ² / ndf 57.3 / 63
p0 5.994 ± 57.01
pull
Entries 64
Mean −183
Std Dev 0

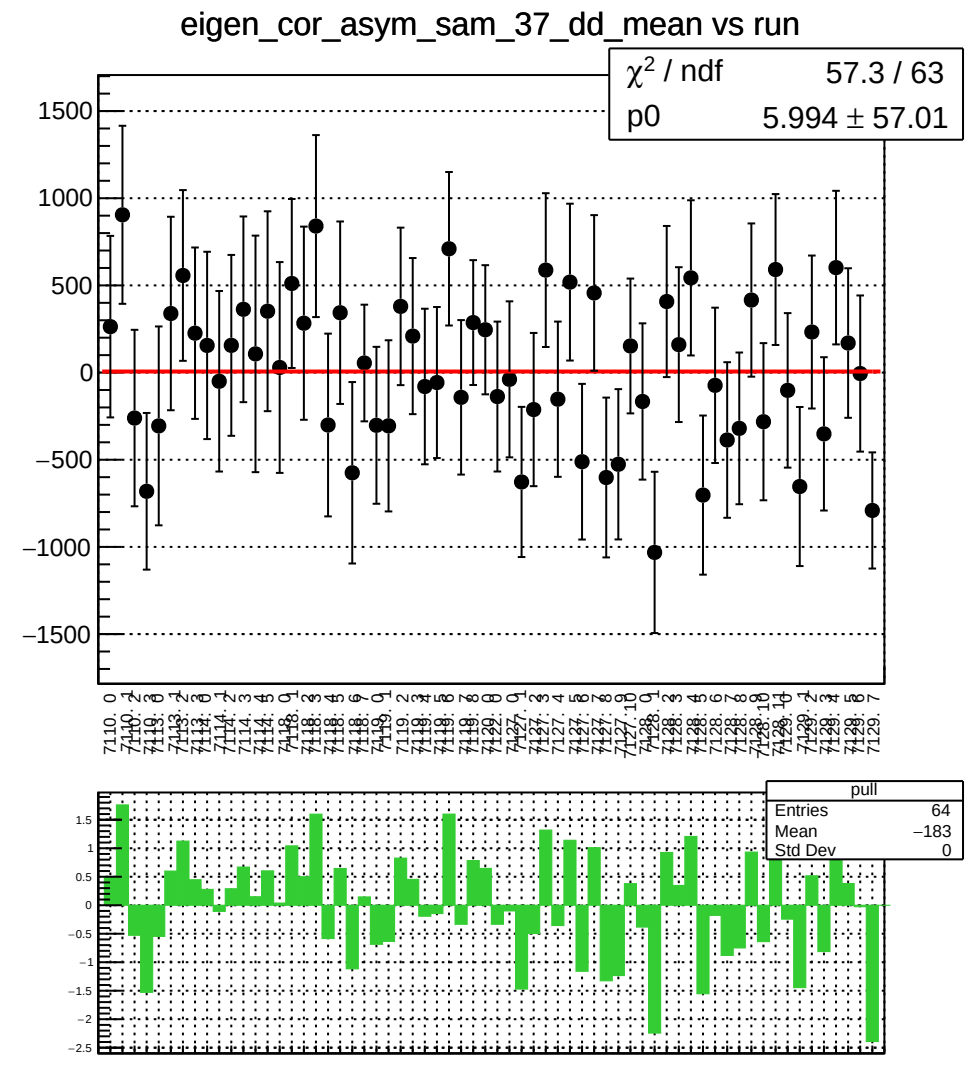

pull1D
Entries 64
Mean 0.0177
Std Dev 0.946

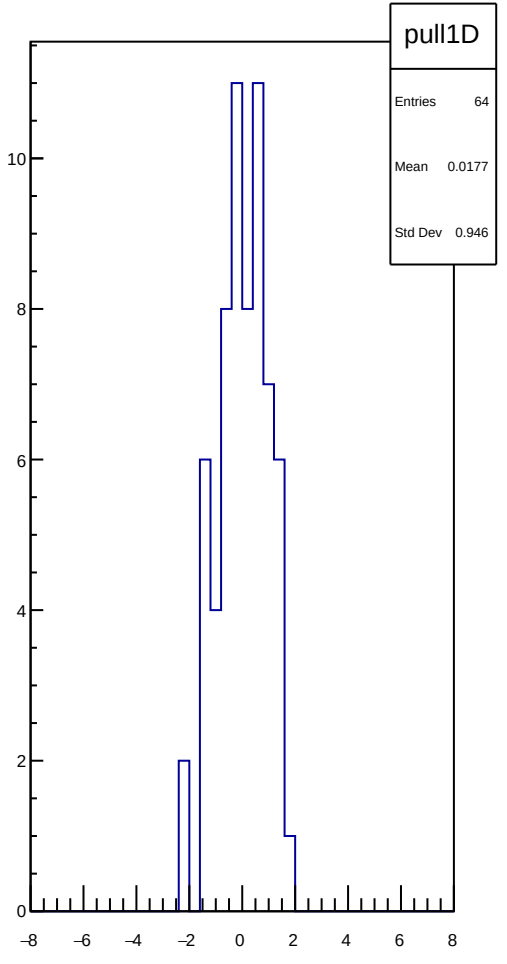

cor_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.094e+04 / 63
p0 44.44 ± 0.04031
65
60
55
50
45
40

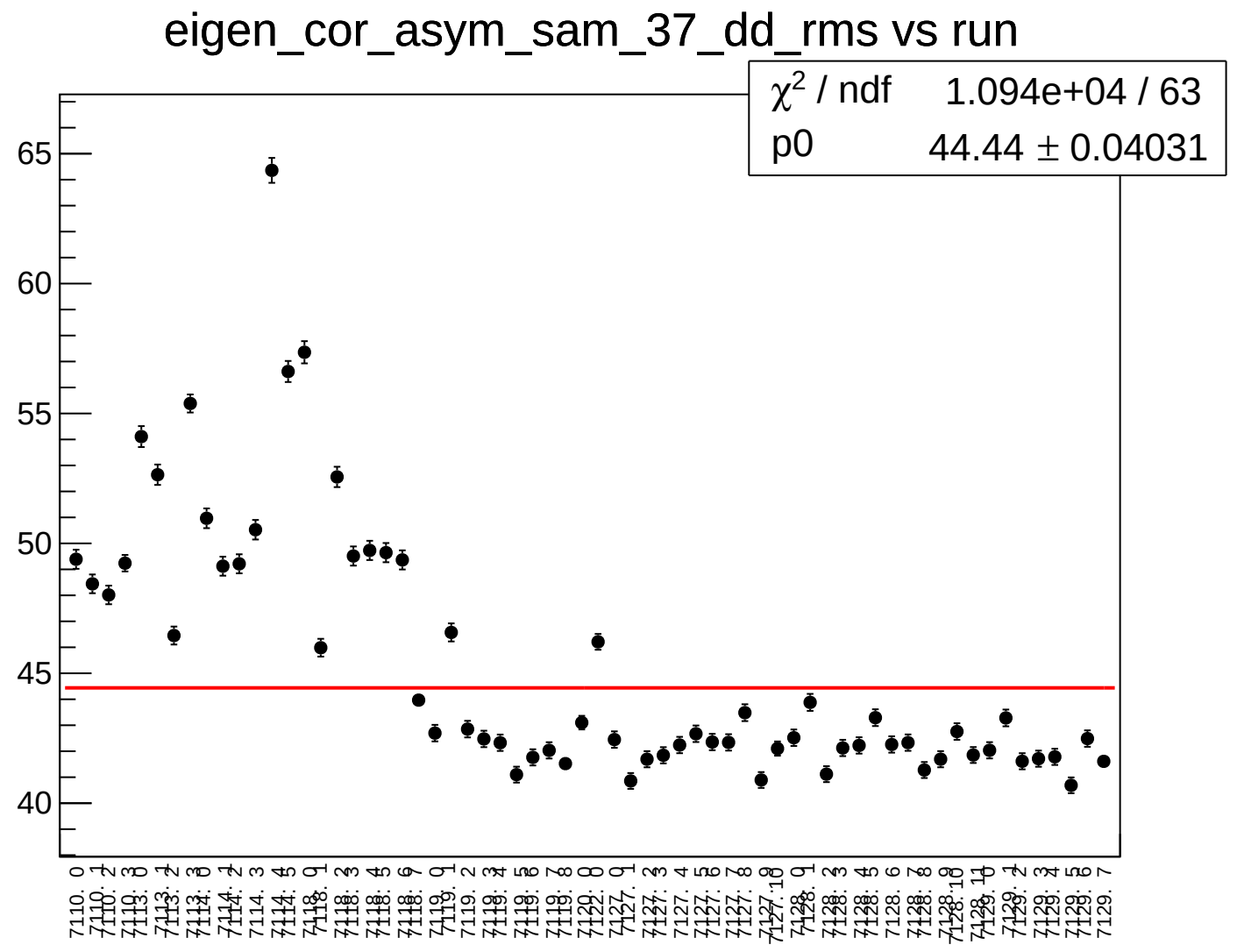

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 65.39 / 63
p0 −767.1± 324.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −86.13
Std Dev 0
3
2
1
0
−1
−2

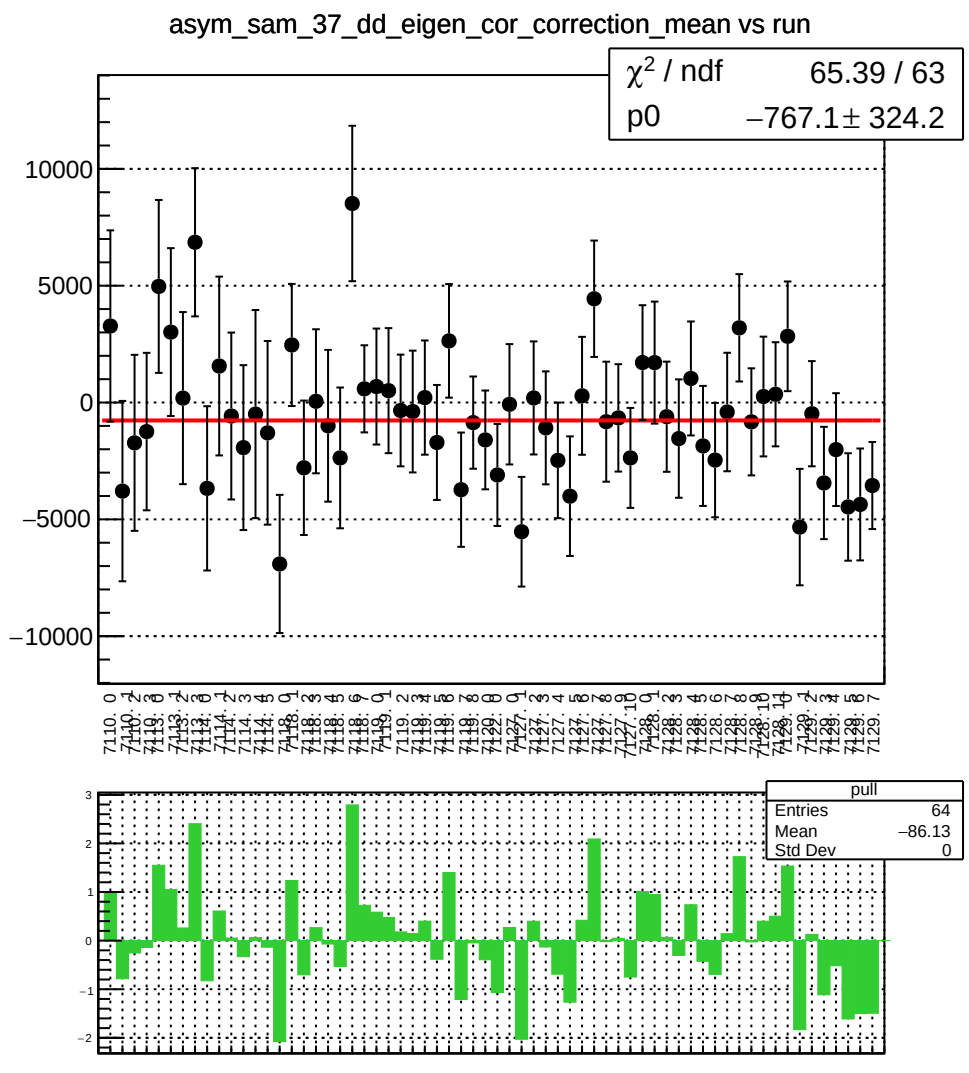

pull1D
Entries 64
Mean 0.03512
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

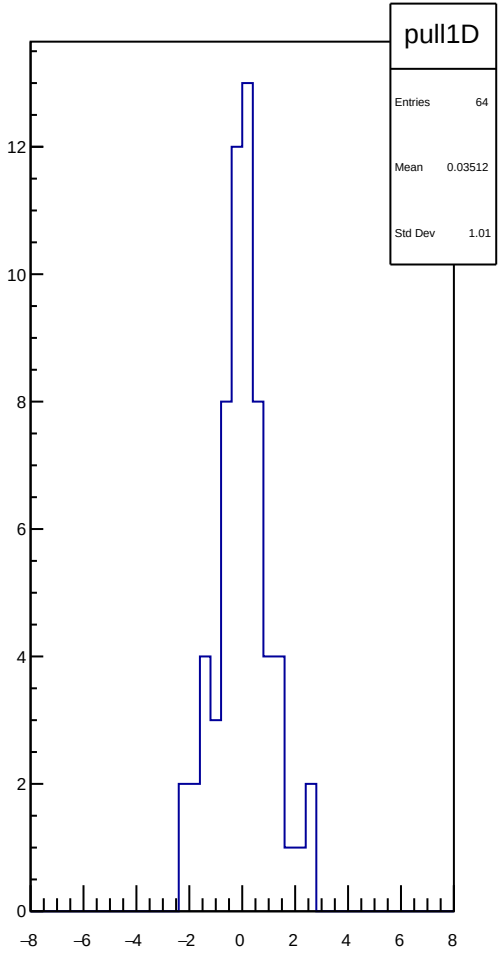

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 3.407e+04 / 63
p0 250.3 ± 0.2293
400
350
300
250
200

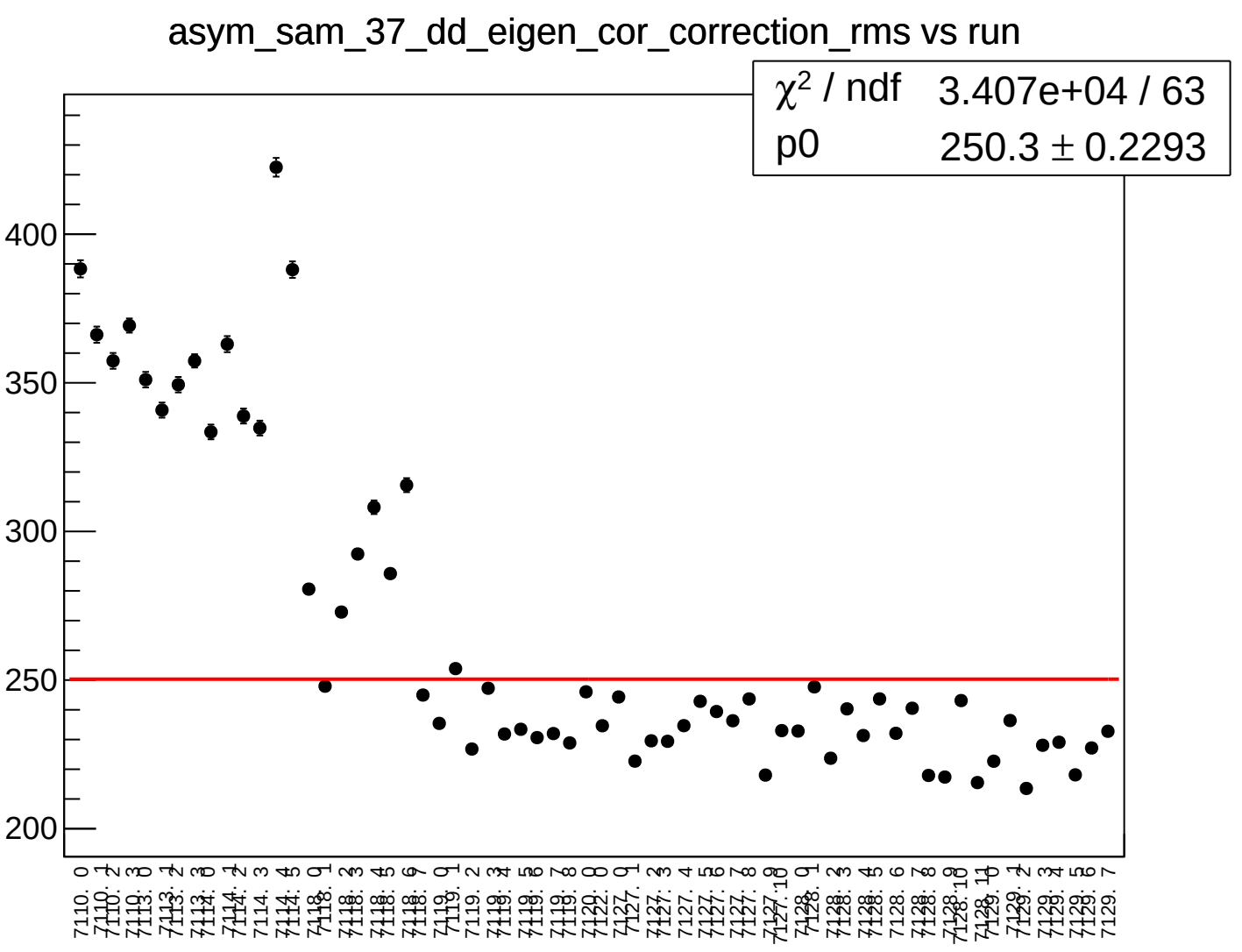

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 57.3 / 63
p0 5.994 ± 57.01
1500
1000
500
0
−500
−1000
−1500
pull
Entries 64
Mean −183
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

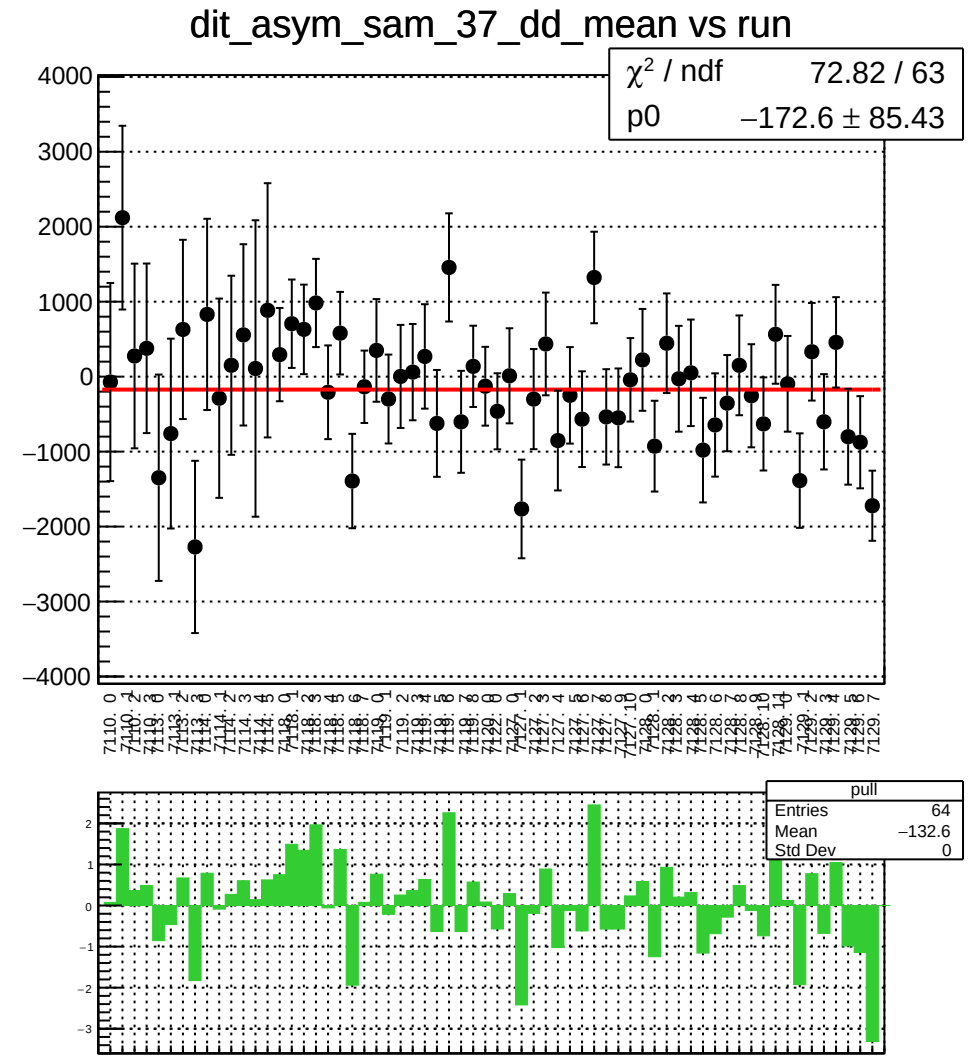

pull1D
Entries 64
Mean 0.0177
Std Dev 0.946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

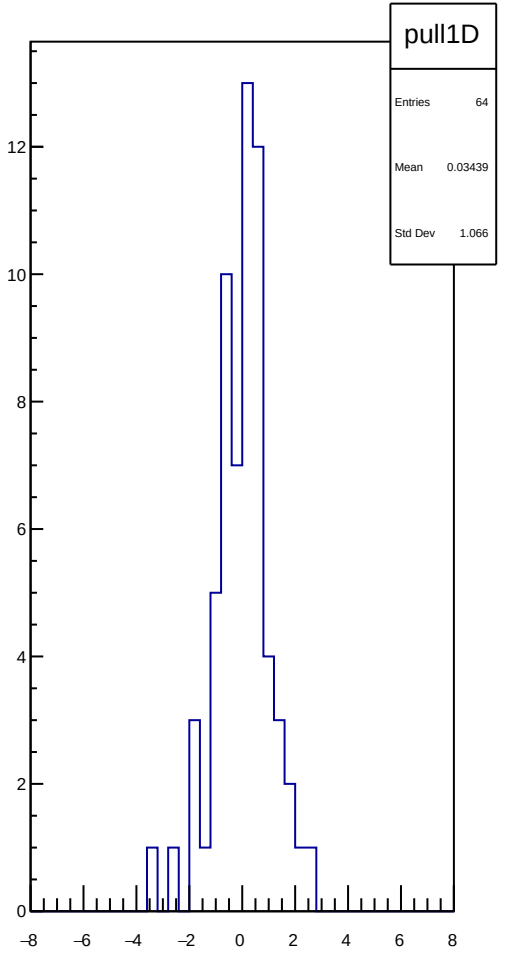

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.094e+04 / 63
p0 44.44 ± 0.04031
65
60
55
50
45
40

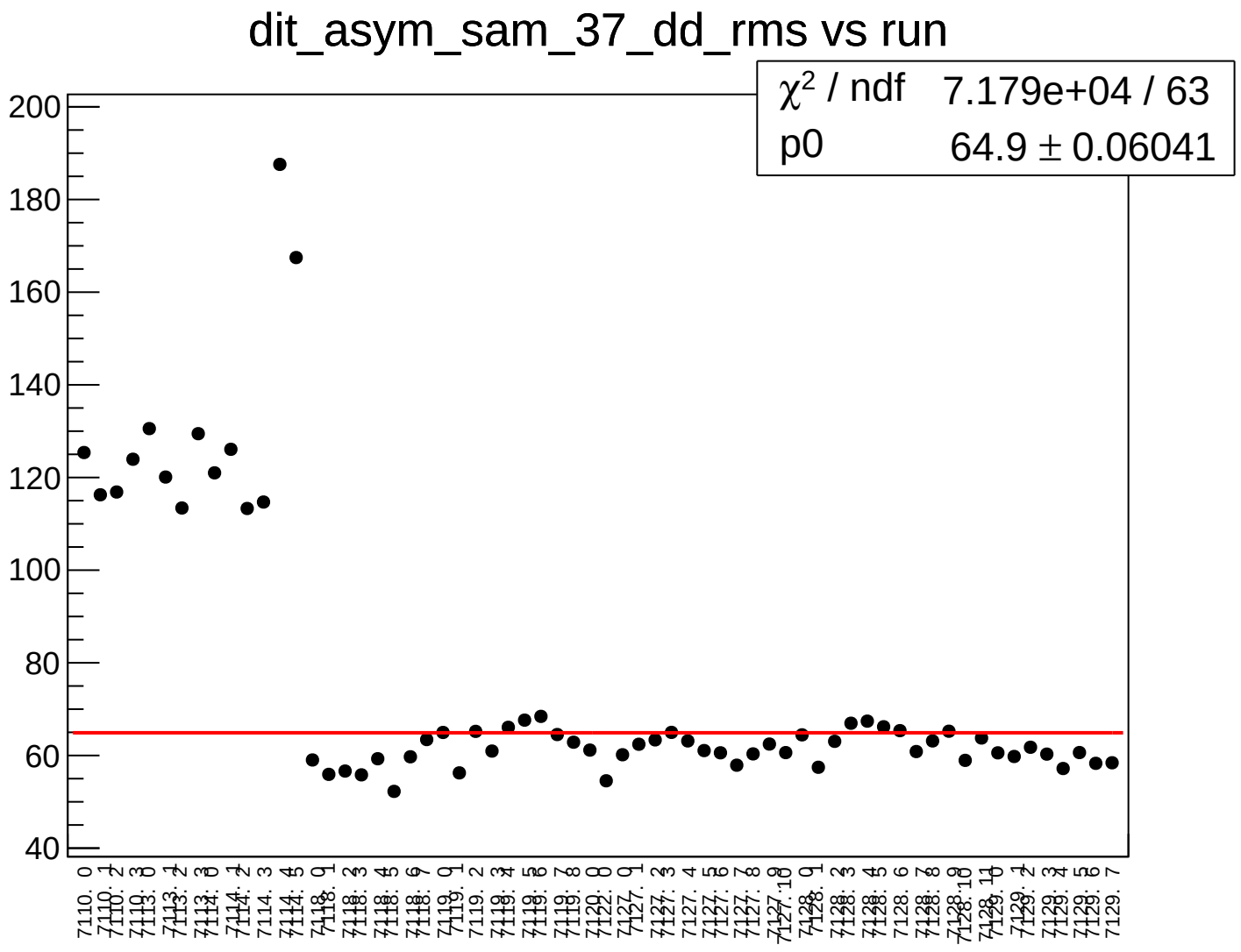

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.39 / 63
p0 −767.1± 324.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −86.13
Std Dev 0
3
2
1
0
−1
−2

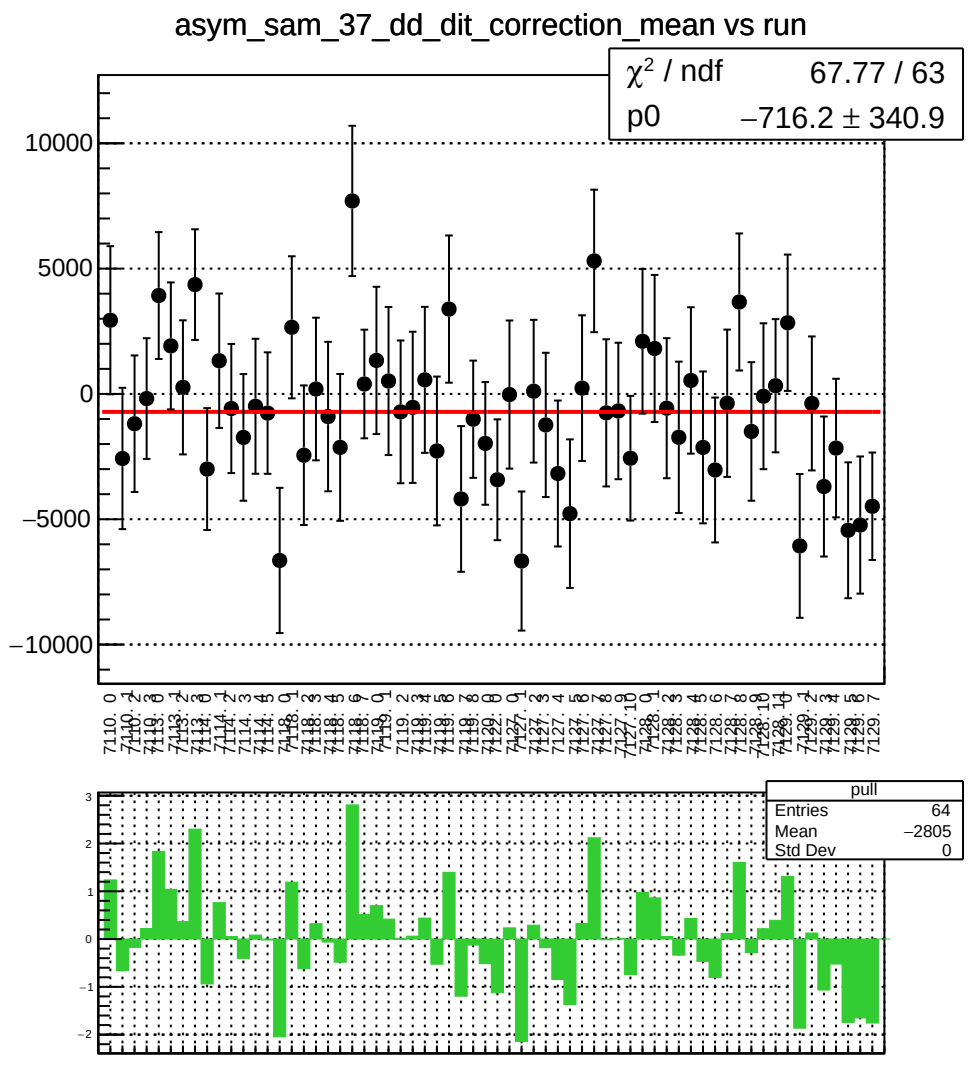

pull1D
Entries 64
Mean 0.03512
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

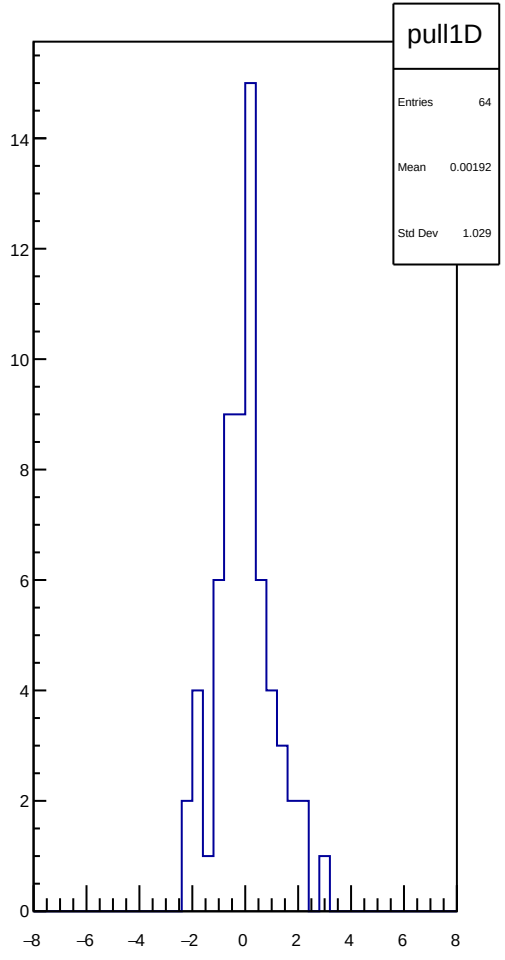

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.407e+04 / 63
p0 250.3 ± 0.2293
400
350
300
250
200

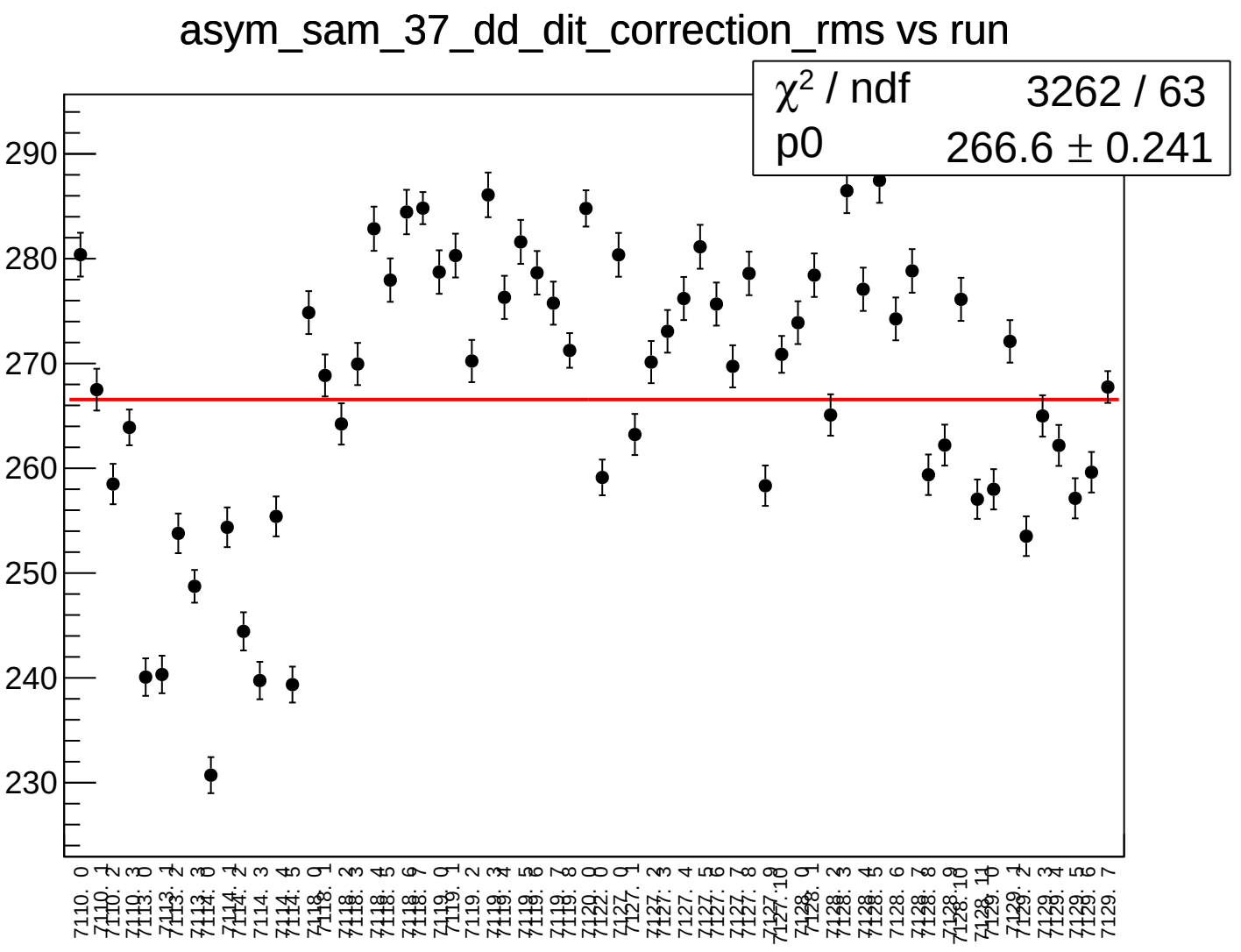

dit_asym_sam_37_dd_mean vs run
χ² / ndf 72.82 / 63
p0 −172.6 ± 85.43
pull
Entries 64
Mean −132.6
Std Dev 0

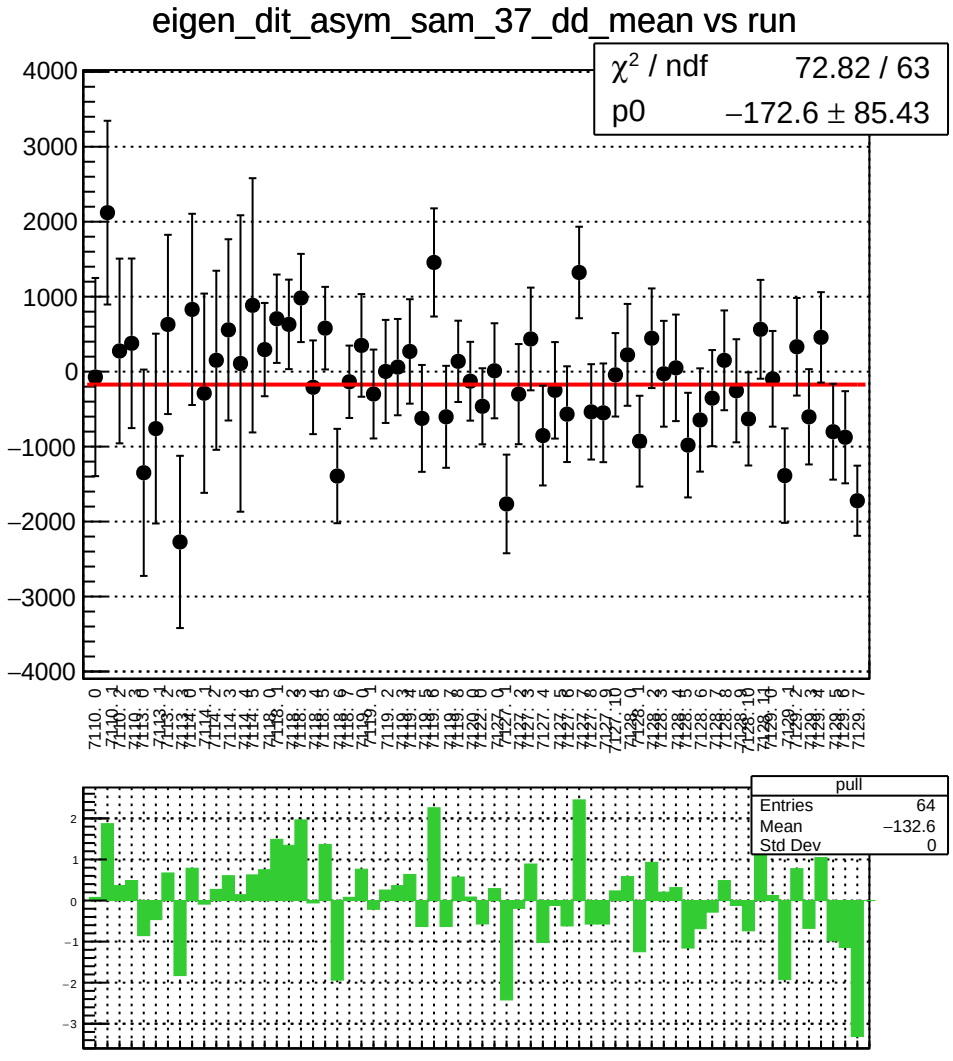

pull1D
Entries 64
Mean 0.03439
Std Dev 1.066

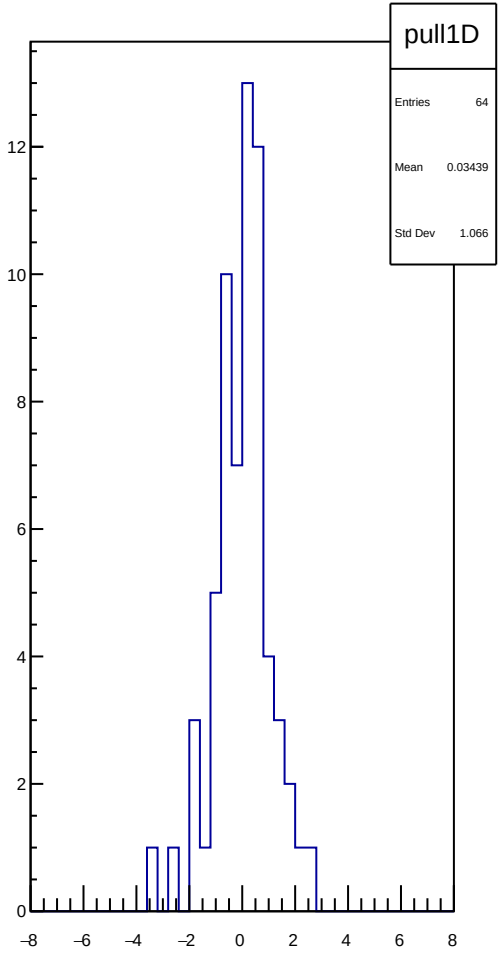

dit_asym_sam_37_dd_rms vs run
χ² / ndf 7.179e+04 / 63
p0 64.9 ± 0.06041
200
180
160
140
120
100
80
60
40

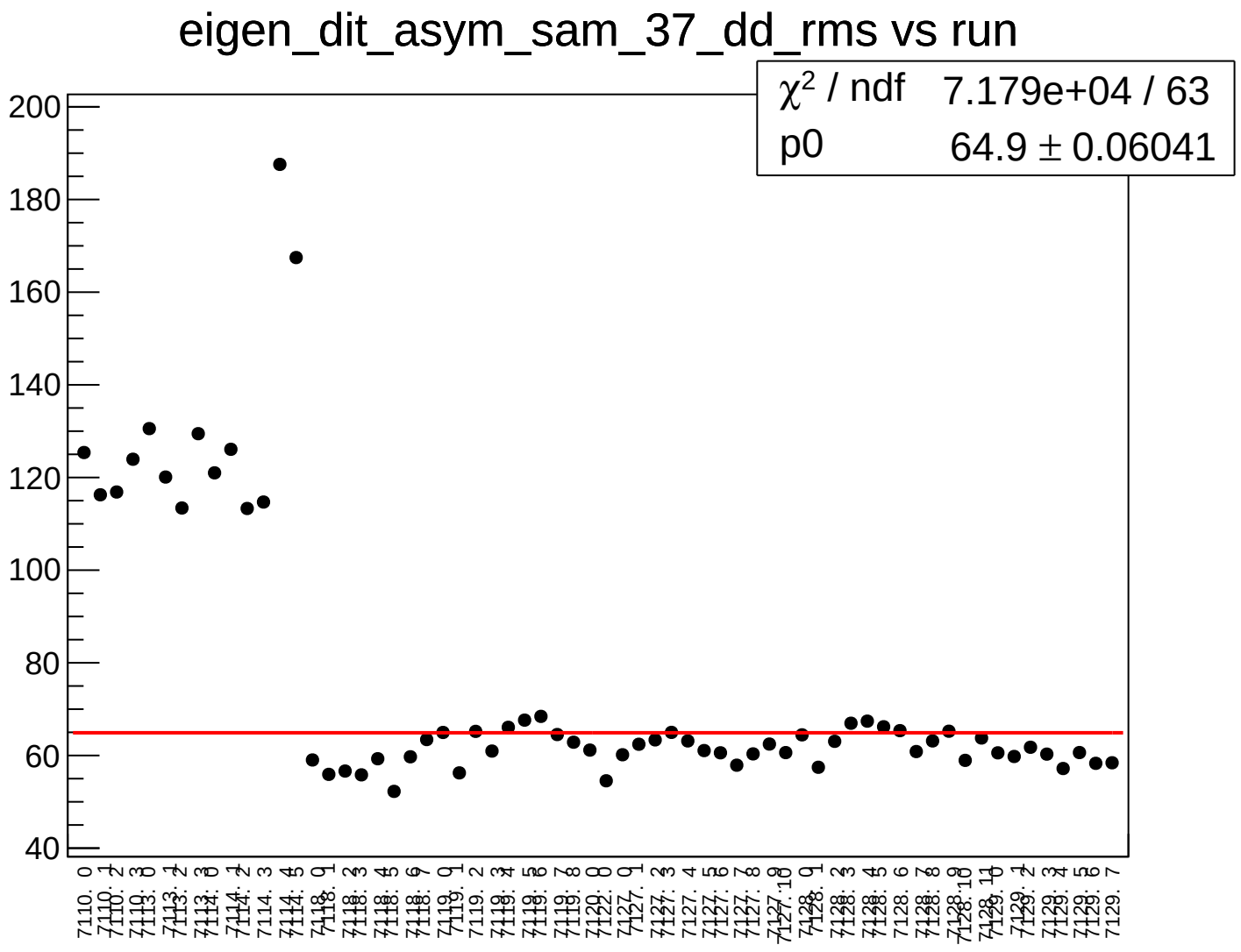

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 67.77 / 63
p0 −716.2 ± 340.9
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −2805
Std Dev 0
3
2
1
0
−1
−2

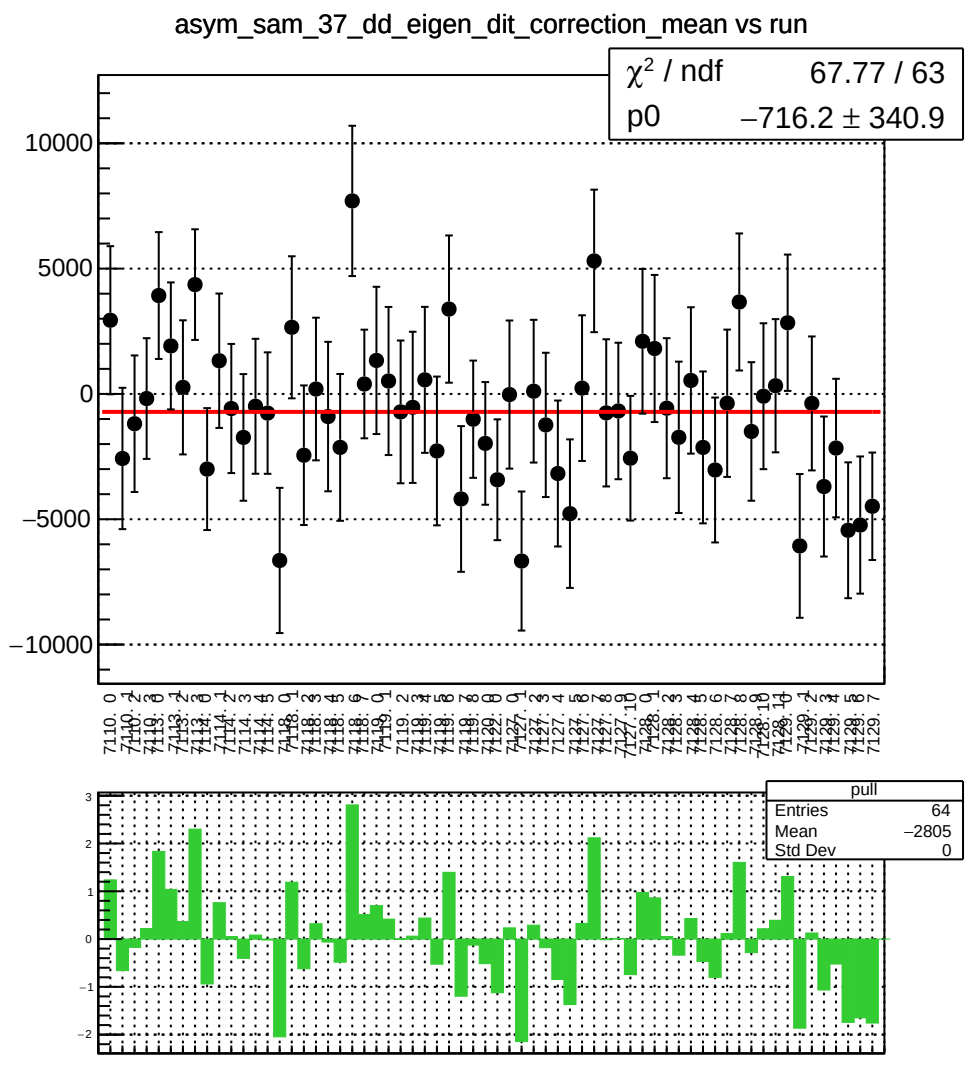

pull1D
Entries 64
Mean 0.00192
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

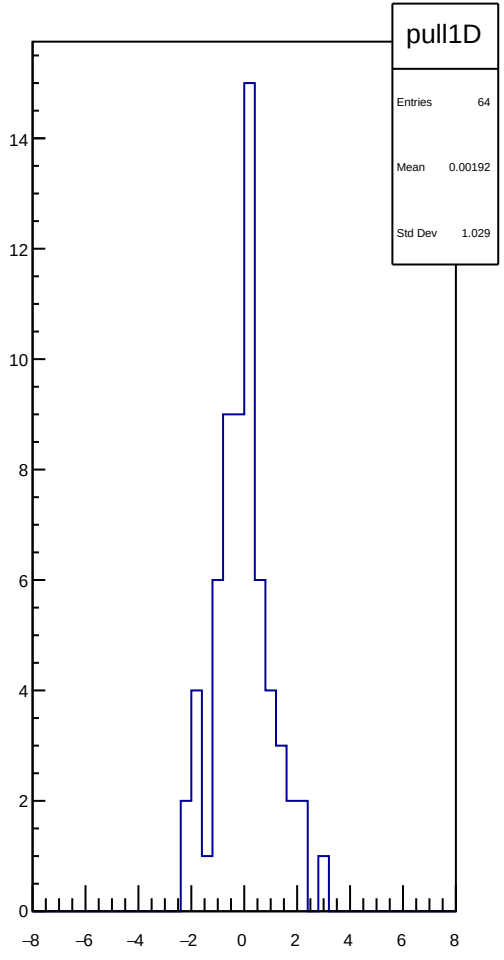

asym_sam_37_dd_dit_correction_rms vs run
χ^2 / ndf 3262 / 63
p0 266.6 ± 0.241
290
280
270
260
250
240
230

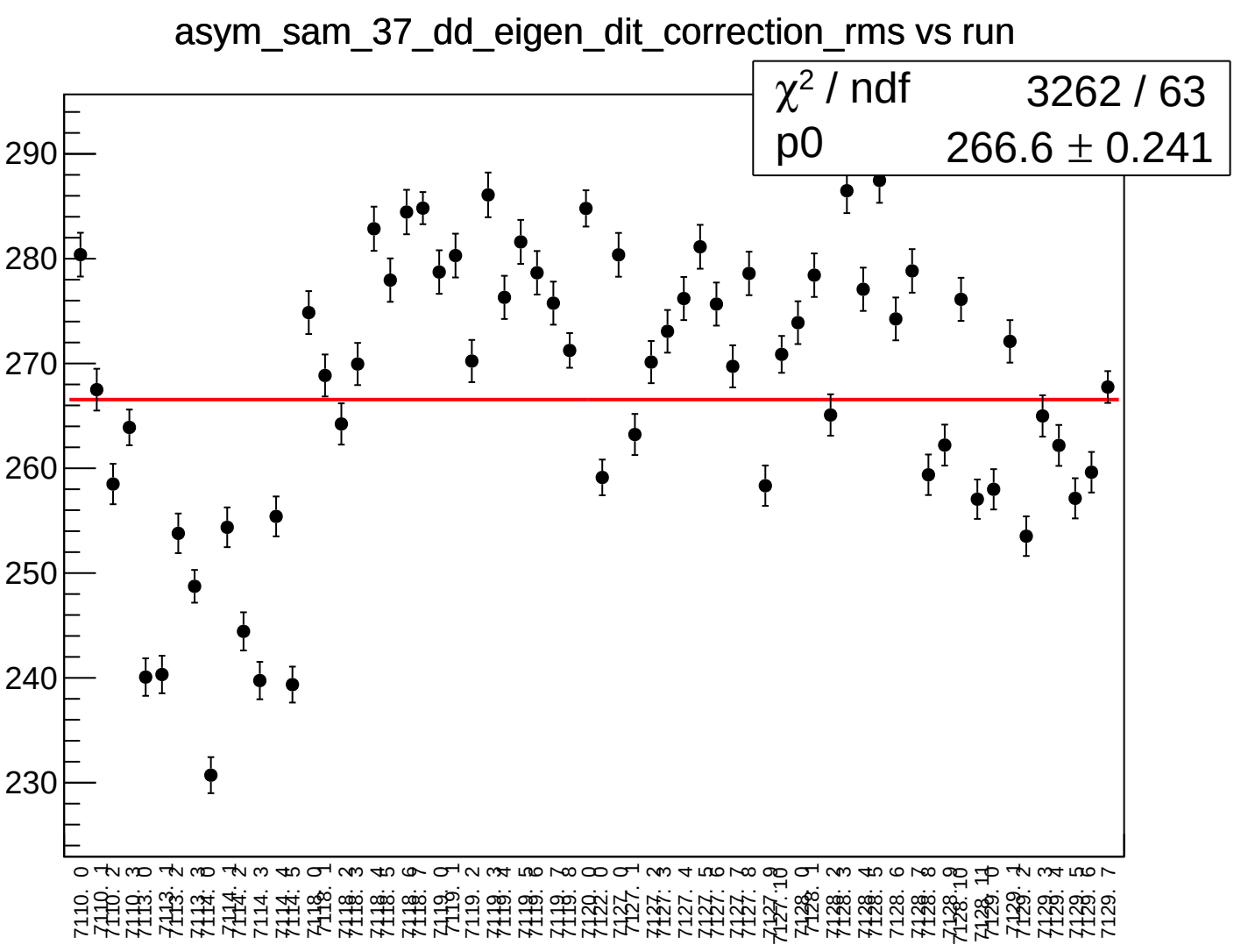

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 72.82 / 63
p0 −172.6 ± 85.43
pull
Entries 64
Mean −132.6
Std Dev 0

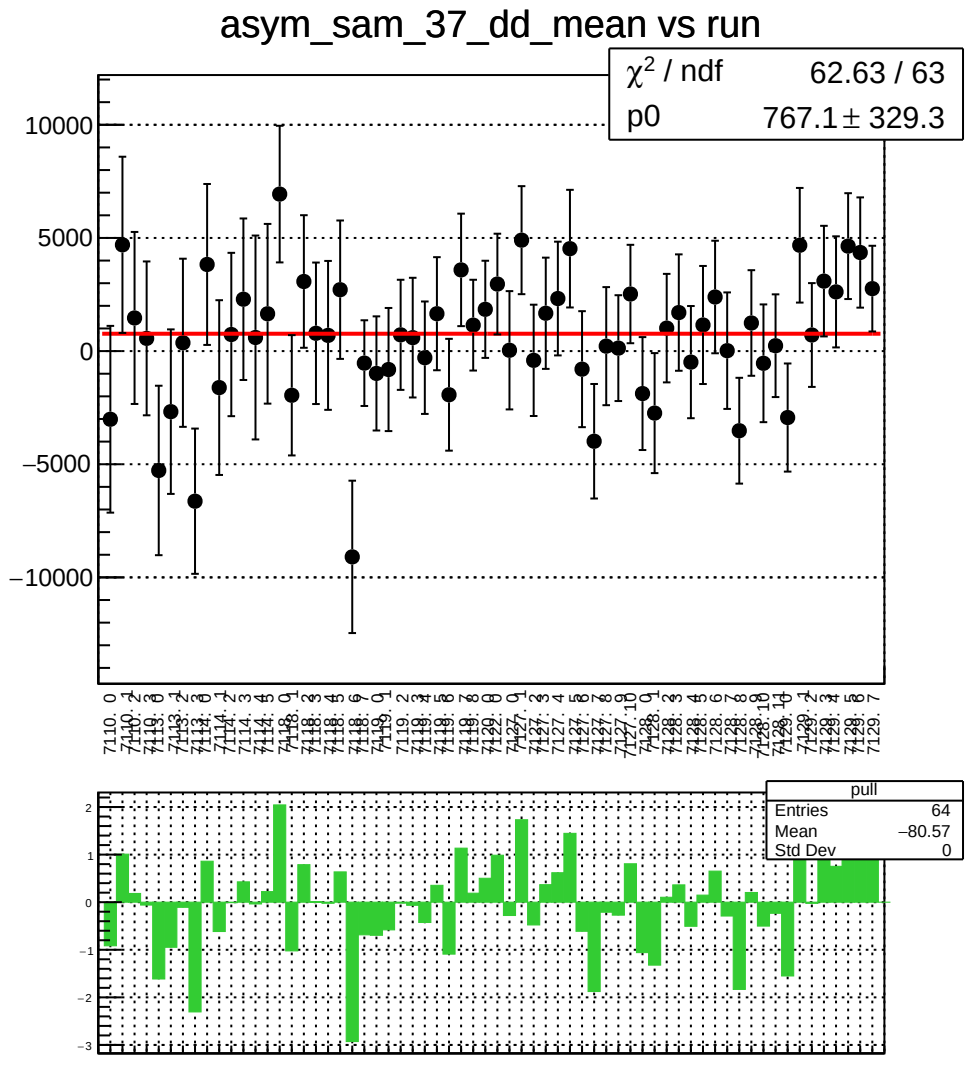

pull1D
Entries 64
Mean 0.03439
Std Dev 1.066

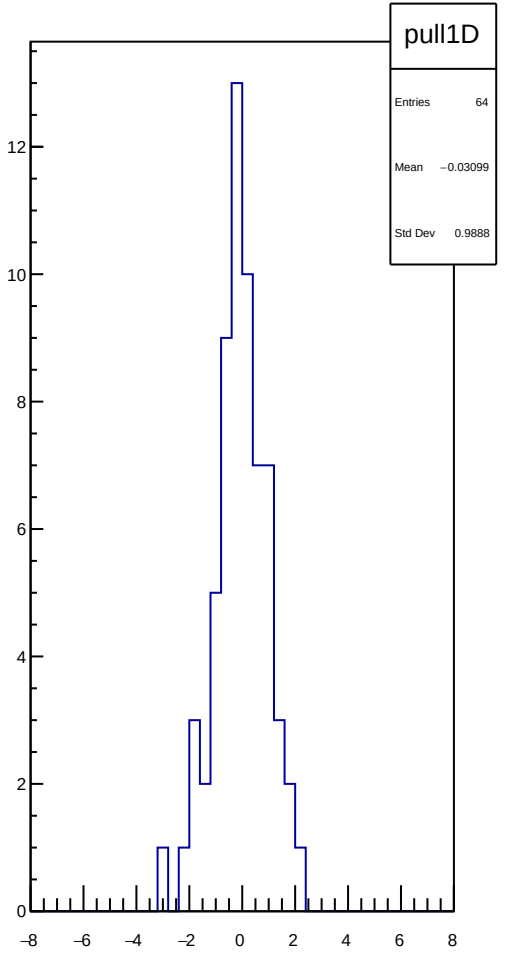

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 7.179e+04 / 63
p0 64.9 ± 0.06041
200
180
160
140
120
100
80
60
40

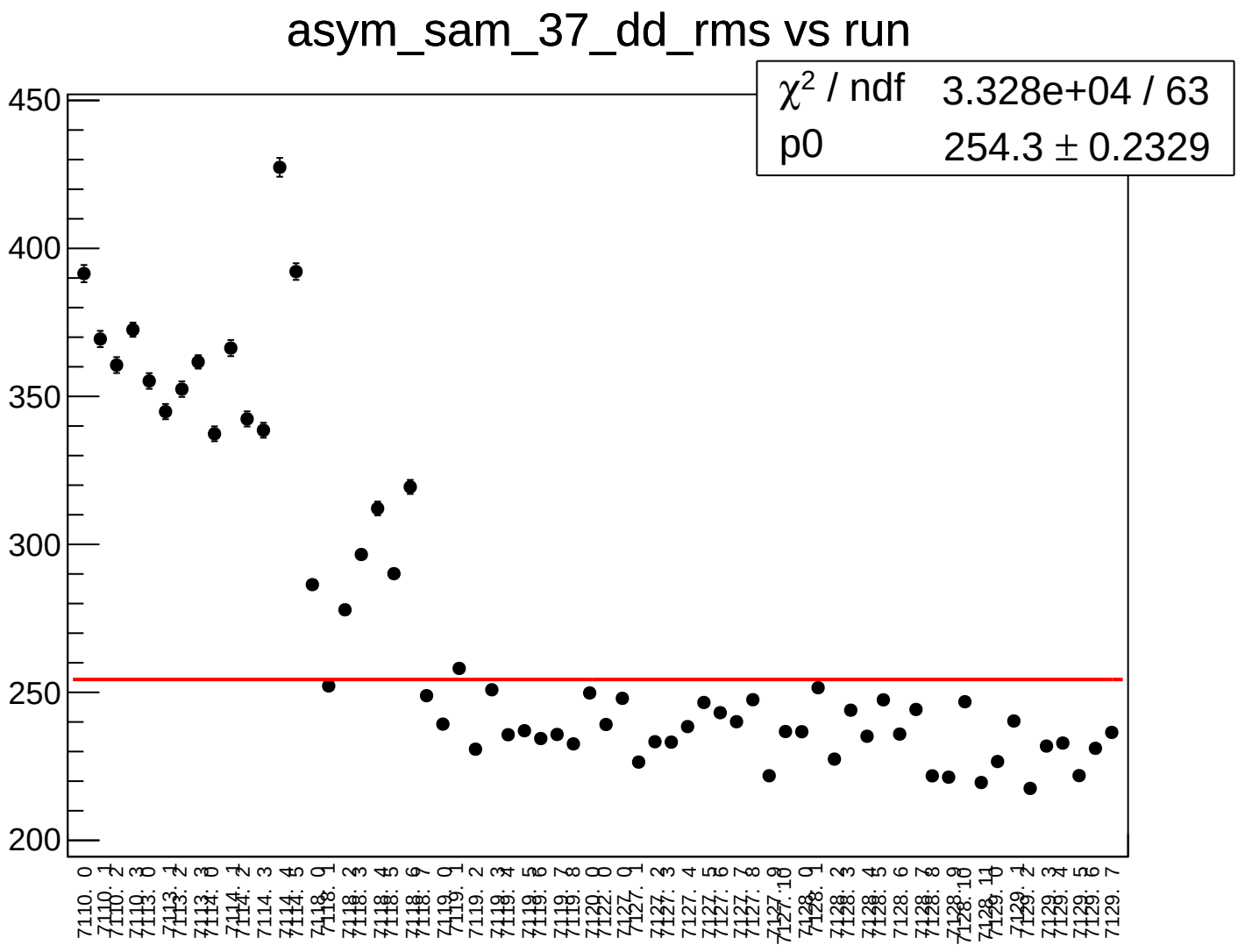

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.77 / 63
p0 −716.2 ± 340.9
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −2805
Std Dev 0
3
2
1
0
−1
−2

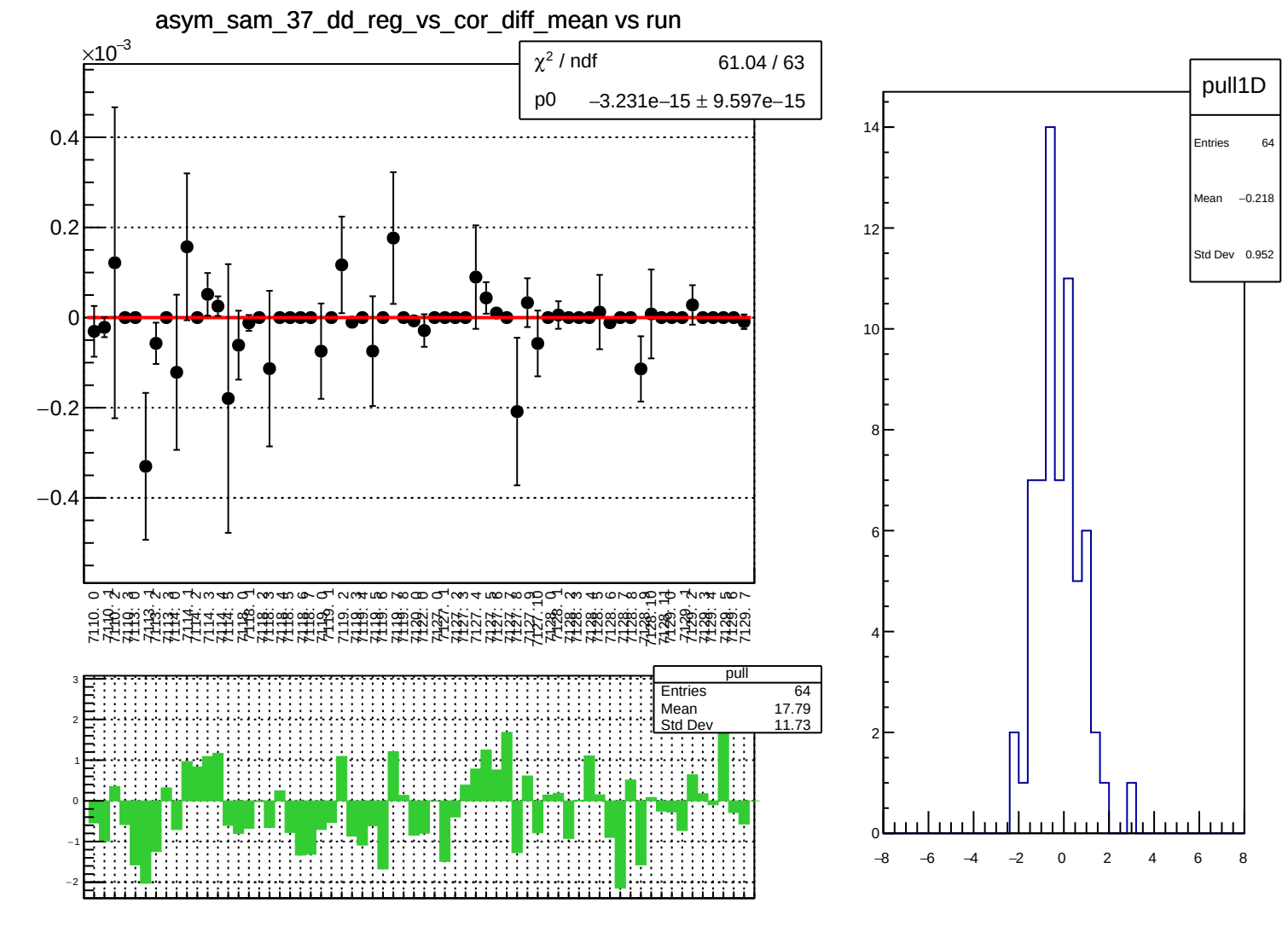

pull1D
Entries 64
Mean 0.00192
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

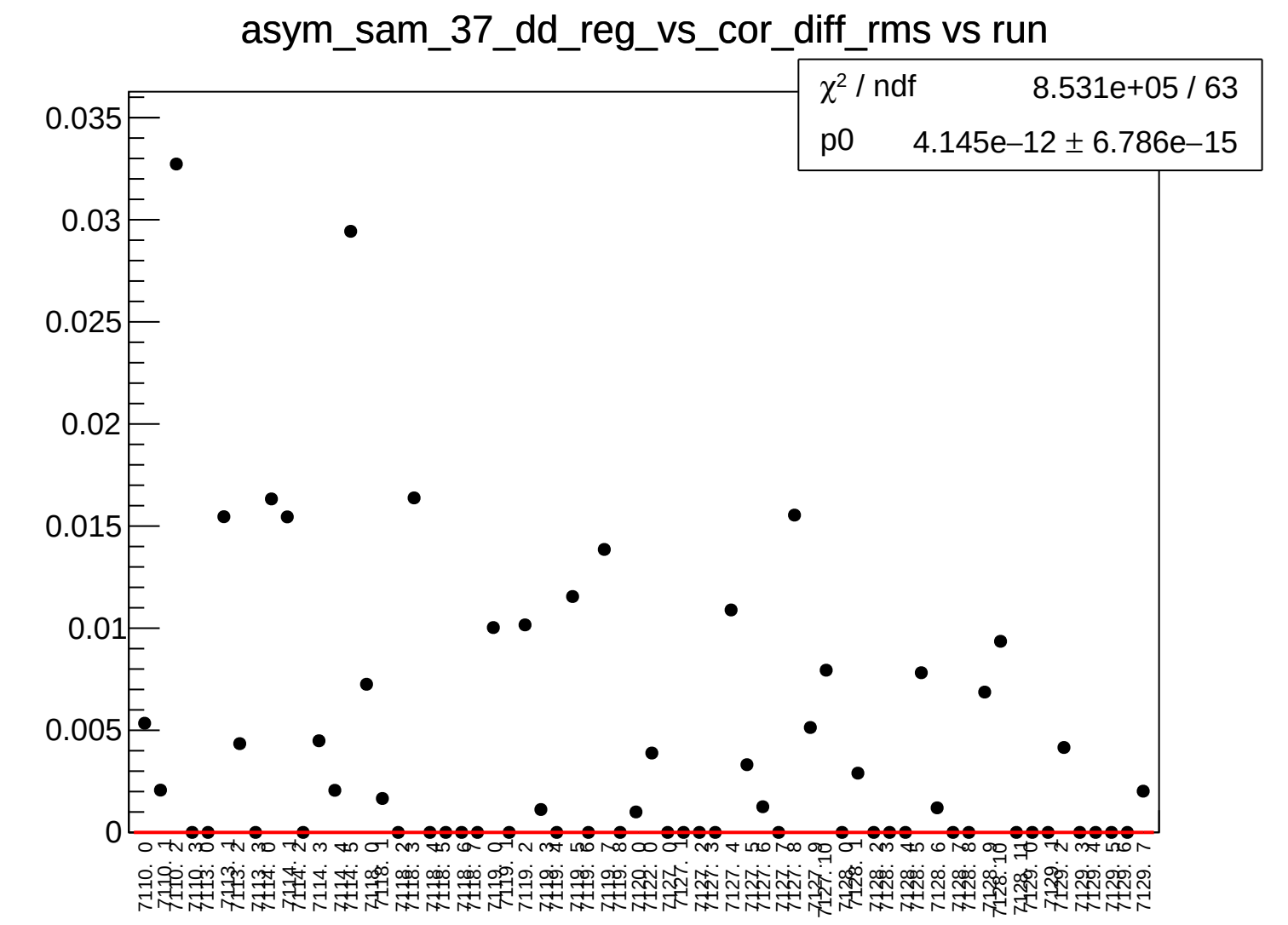

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3262 / 63
p0 266.6 ± 0.241
290
280
270
260
250
240
230

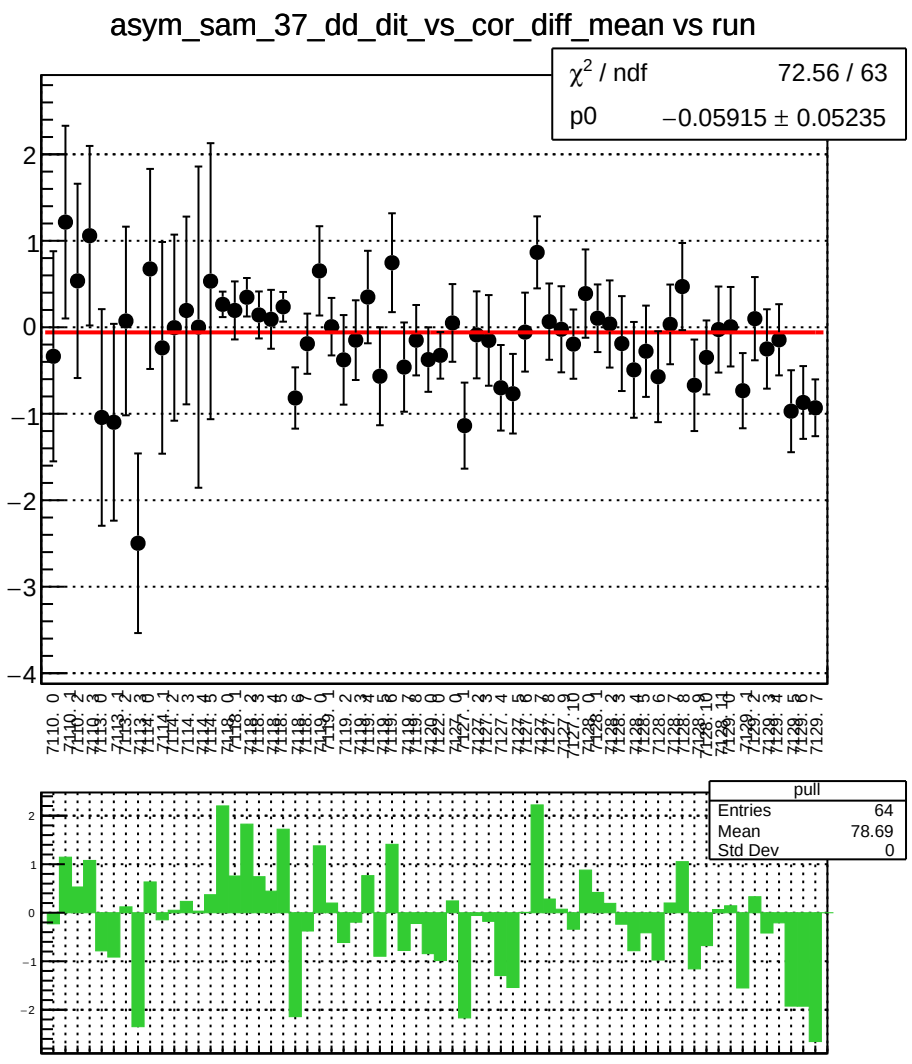

asym_sam_37_dd_mean vs run
χ² / ndf 62.63 / 63
p0 767.1 ± 329.3
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −80.57
Std Dev 0
2
1
0
−1
−2
−3

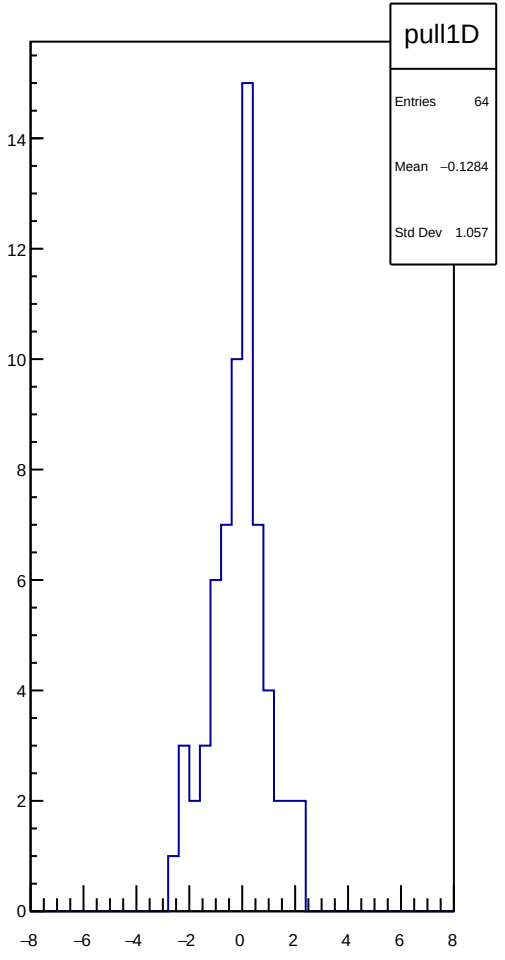

pull1D
Entries 64
Mean −0.03099
Std Dev 0.9888
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

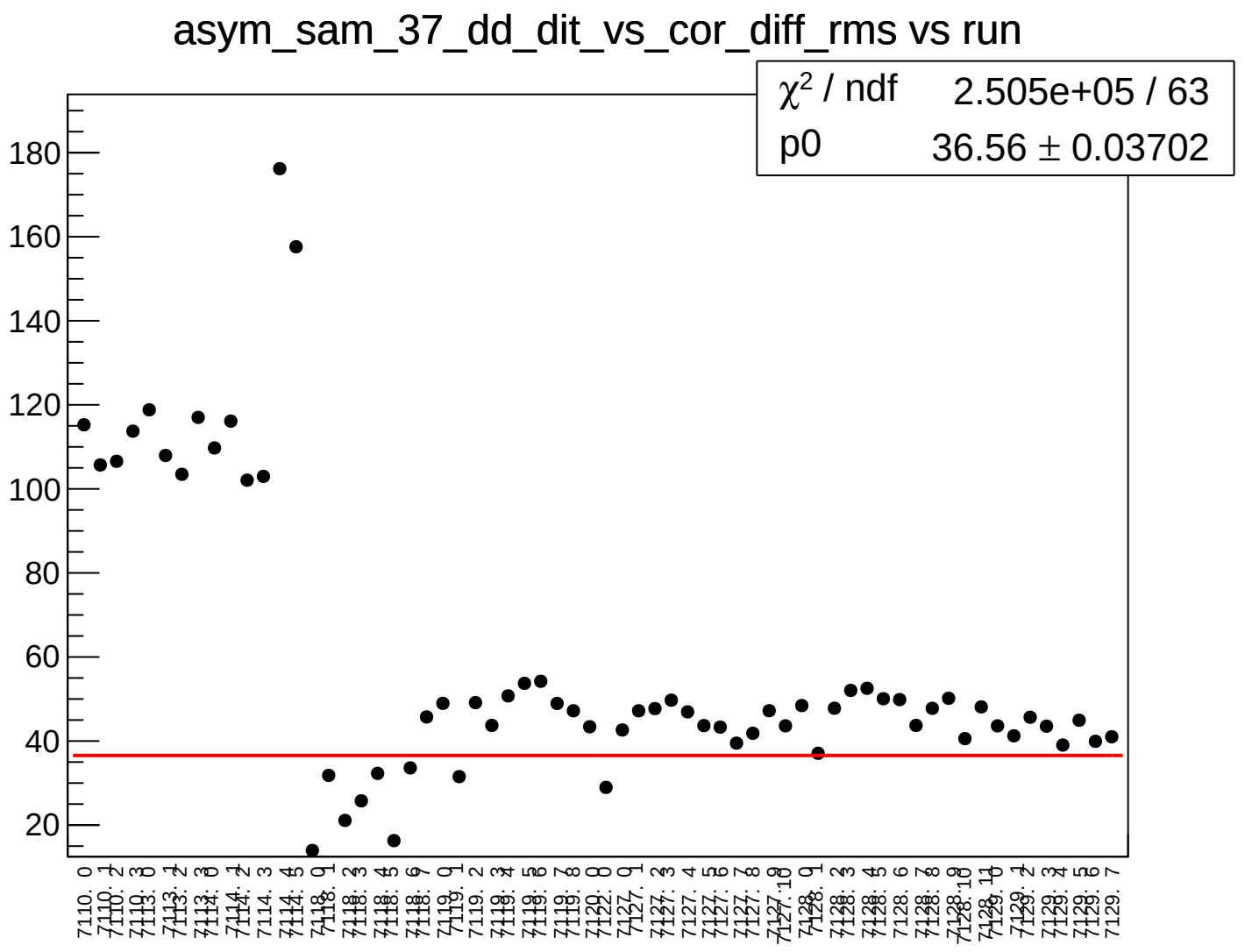

asym_sam_37_dd_rms vs run
χ^2 / ndf 3.328e+04 / 63
p0 254.3 ± 0.2329
450
400
350
300
250
200

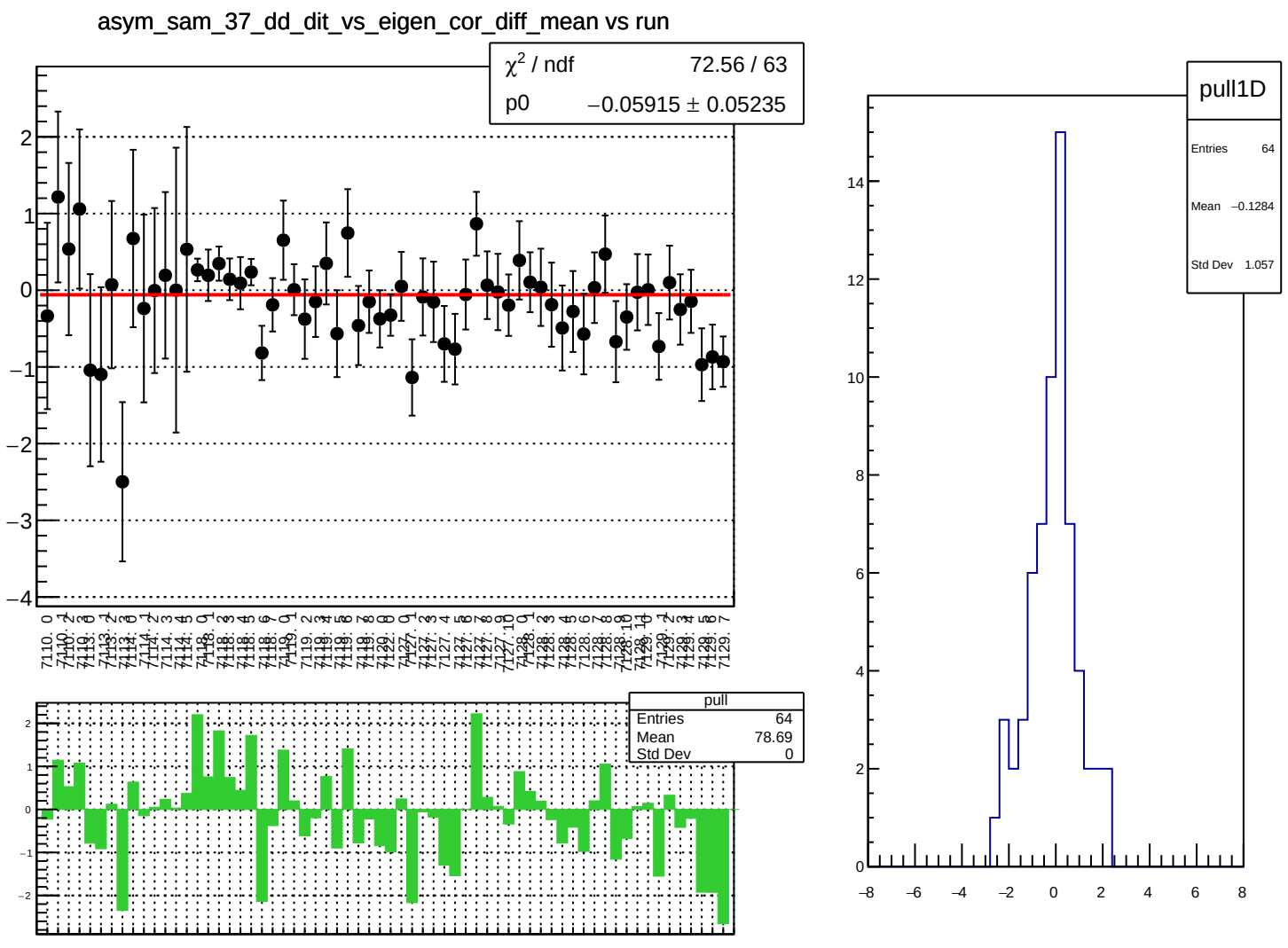

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 61.04 / 63
p0 −3.231e−15 ± 9.597e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 64
Mean 17.79
Std Dev 11.73
3
2
1
0
−1
−2
pull1D
Entries 64
Mean −0.218
Std Dev 0.952
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

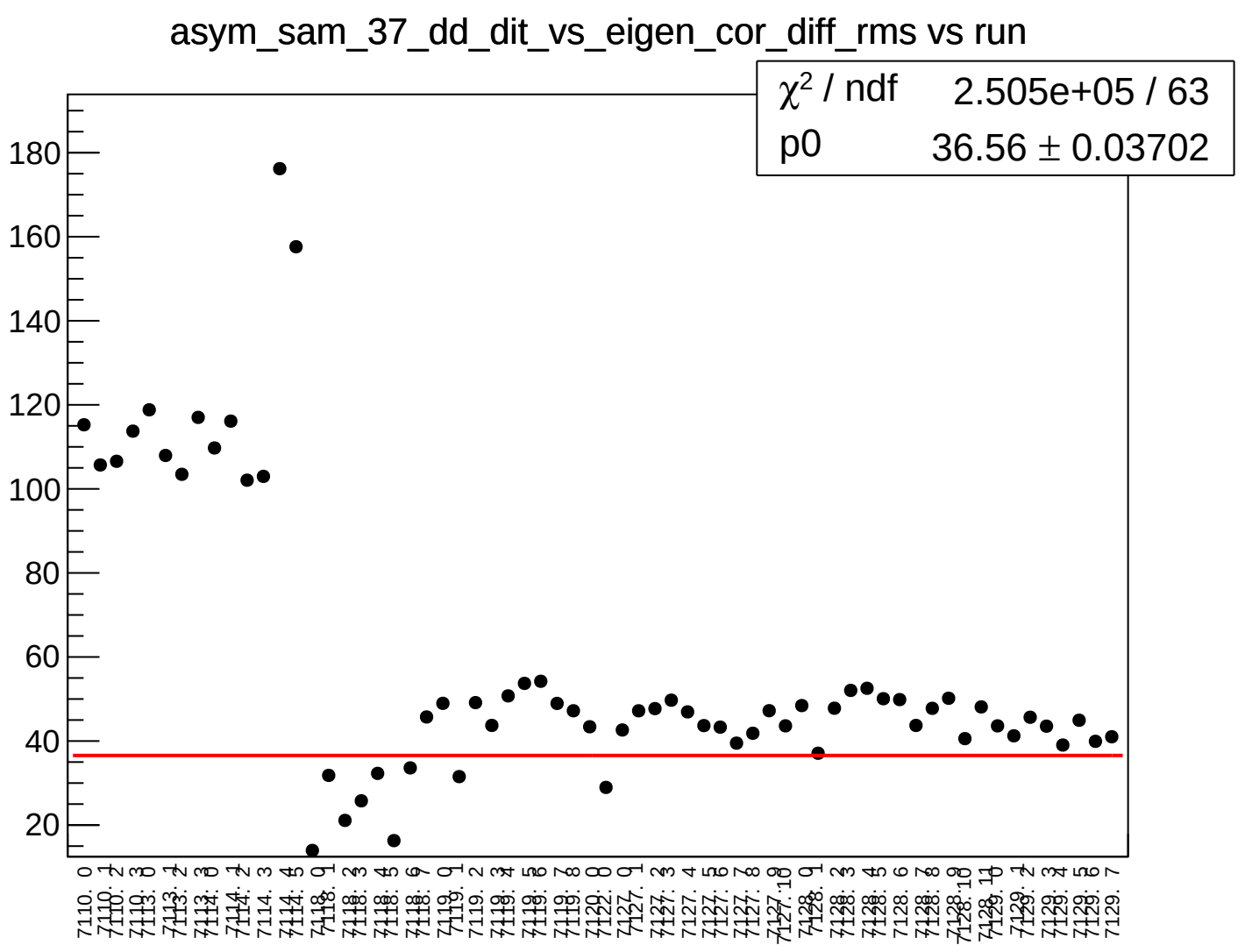

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.531e+05 / 63
p0 4.145e−12 ± 6.786e−15
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

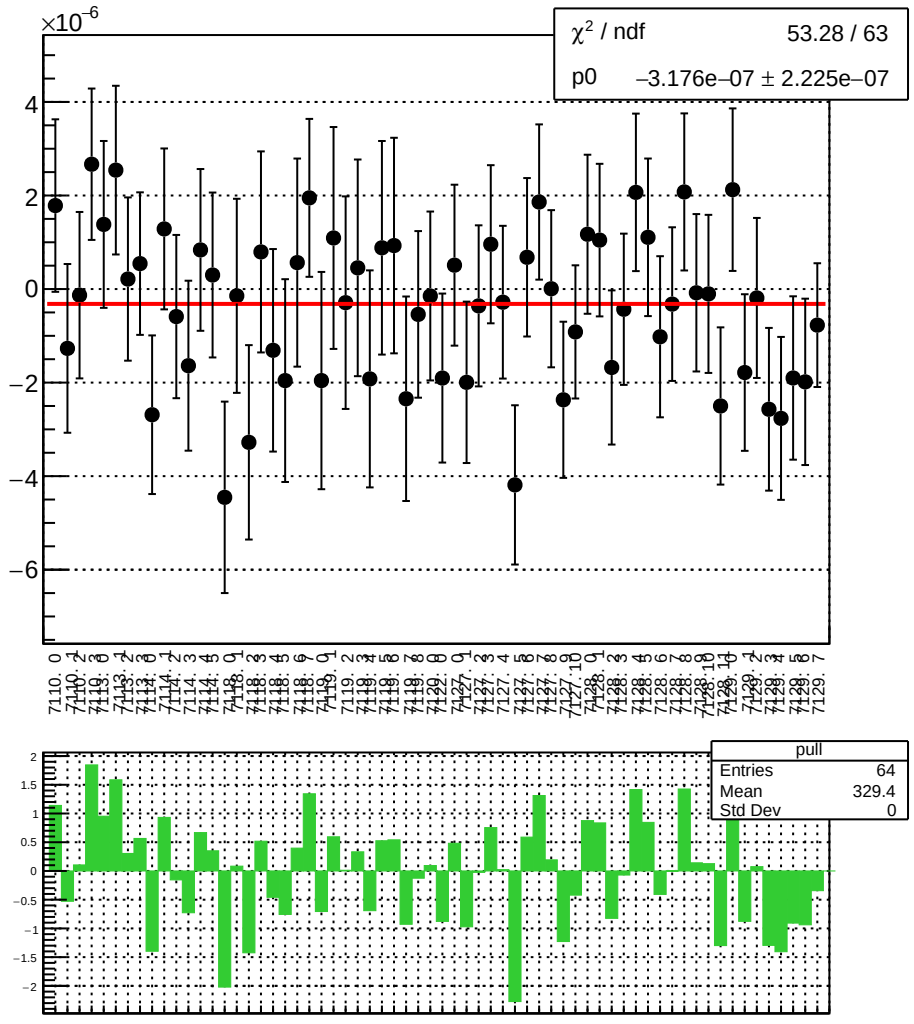

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.56 / 63
p0 −0.05915 ± 0.05235
pull
Entries 64
Mean 78.69
Std Dev 0

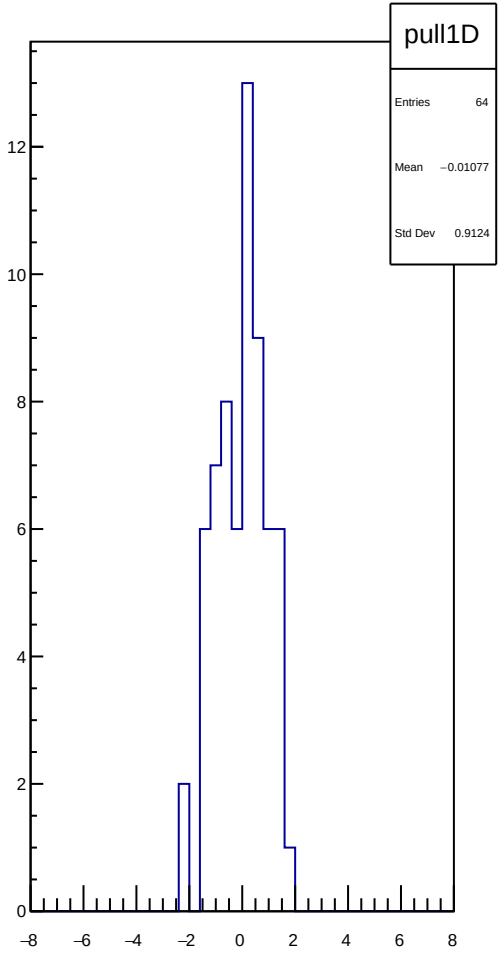

pull1D
Entries 64
Mean −0.1284
Std Dev 1.057

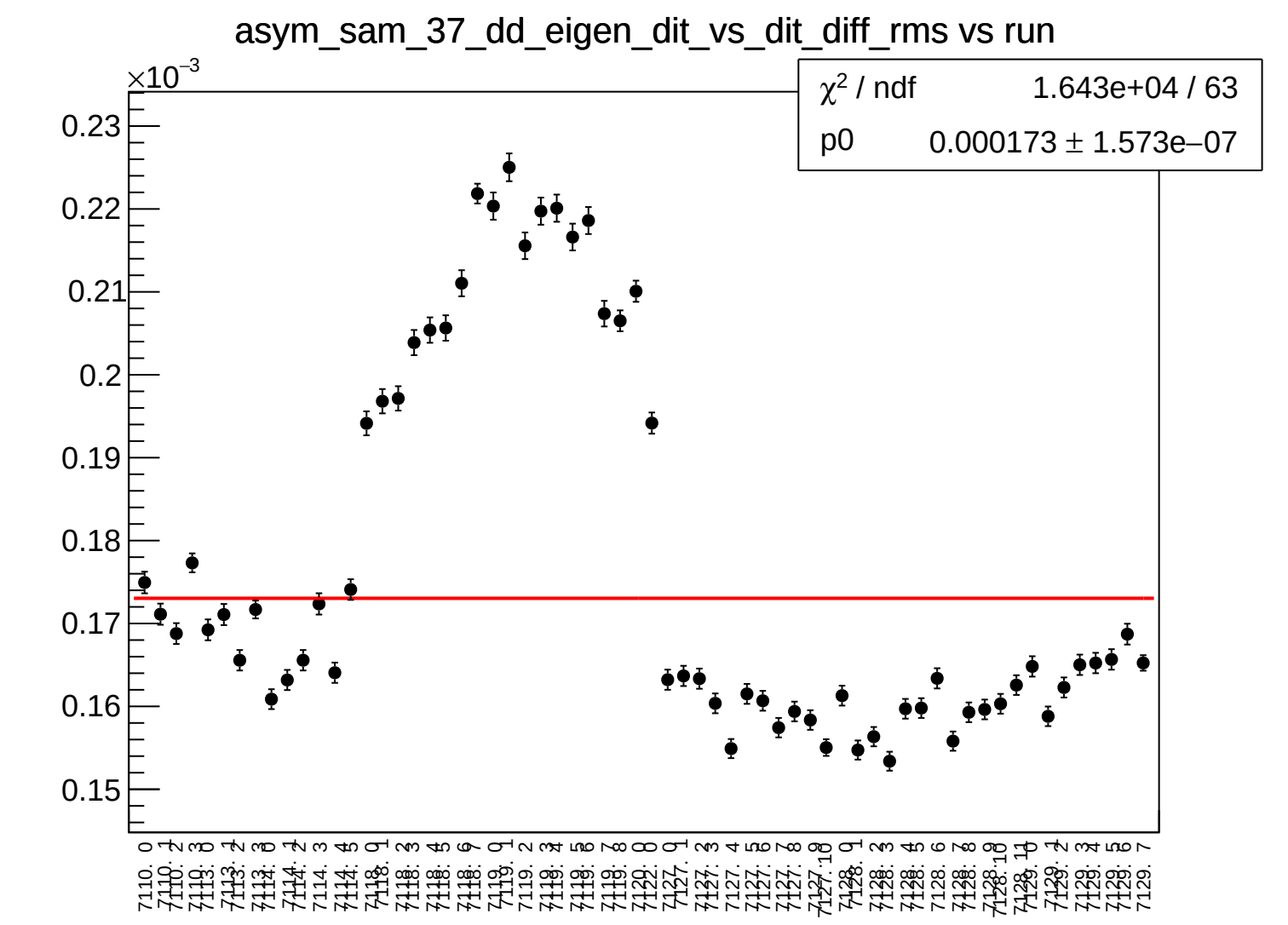

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.505e+05 / 63
p0 36.56 ± 0.03702
180
160
140
120
100
80
60
40
20

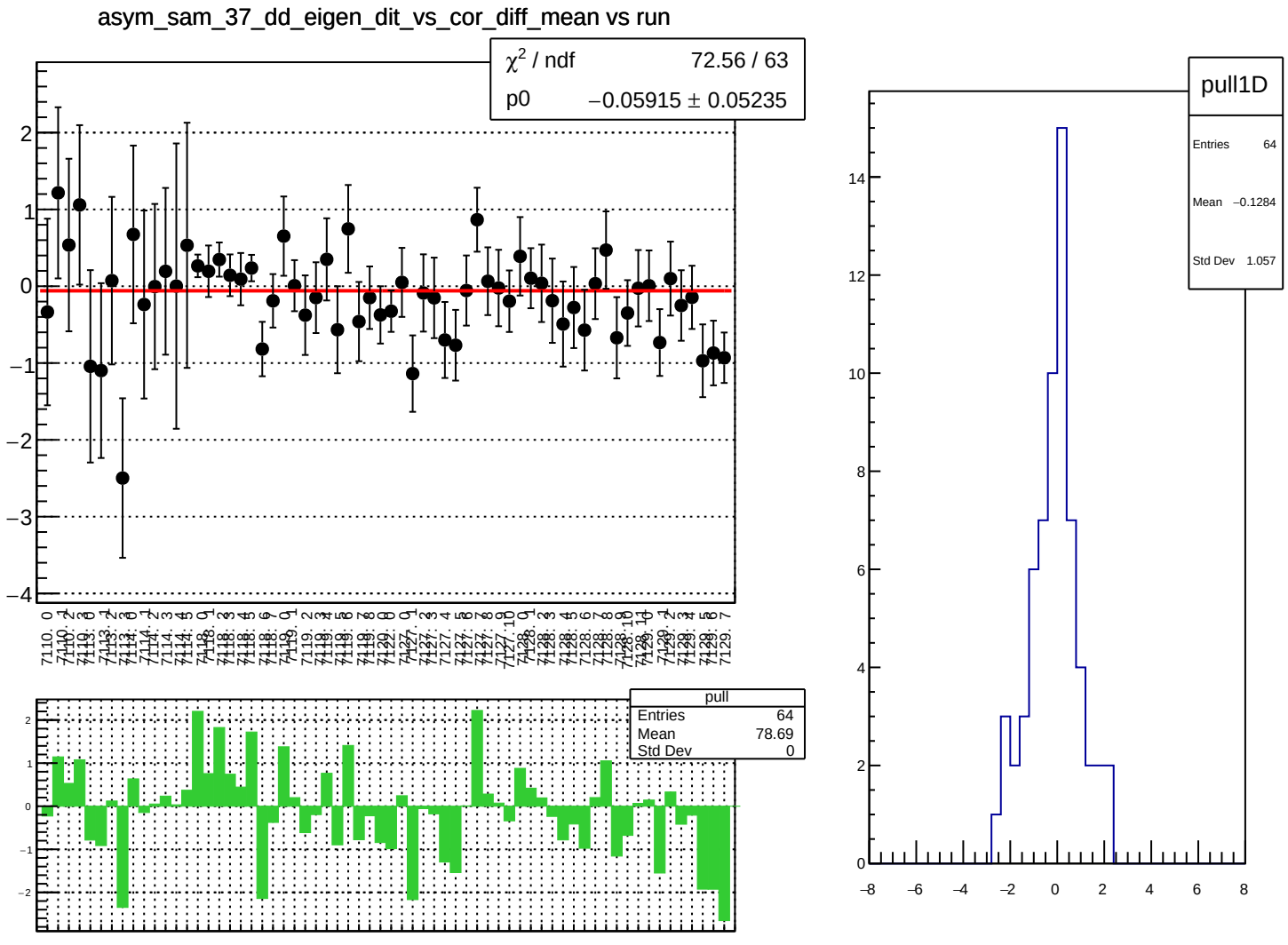

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.56 / 63
p0 −0.05915 ± 0.05235
pull
Entries 64
Mean 78.69
Std Dev 0
pull1D
Entries 64
Mean −0.1284
Std Dev 1.057

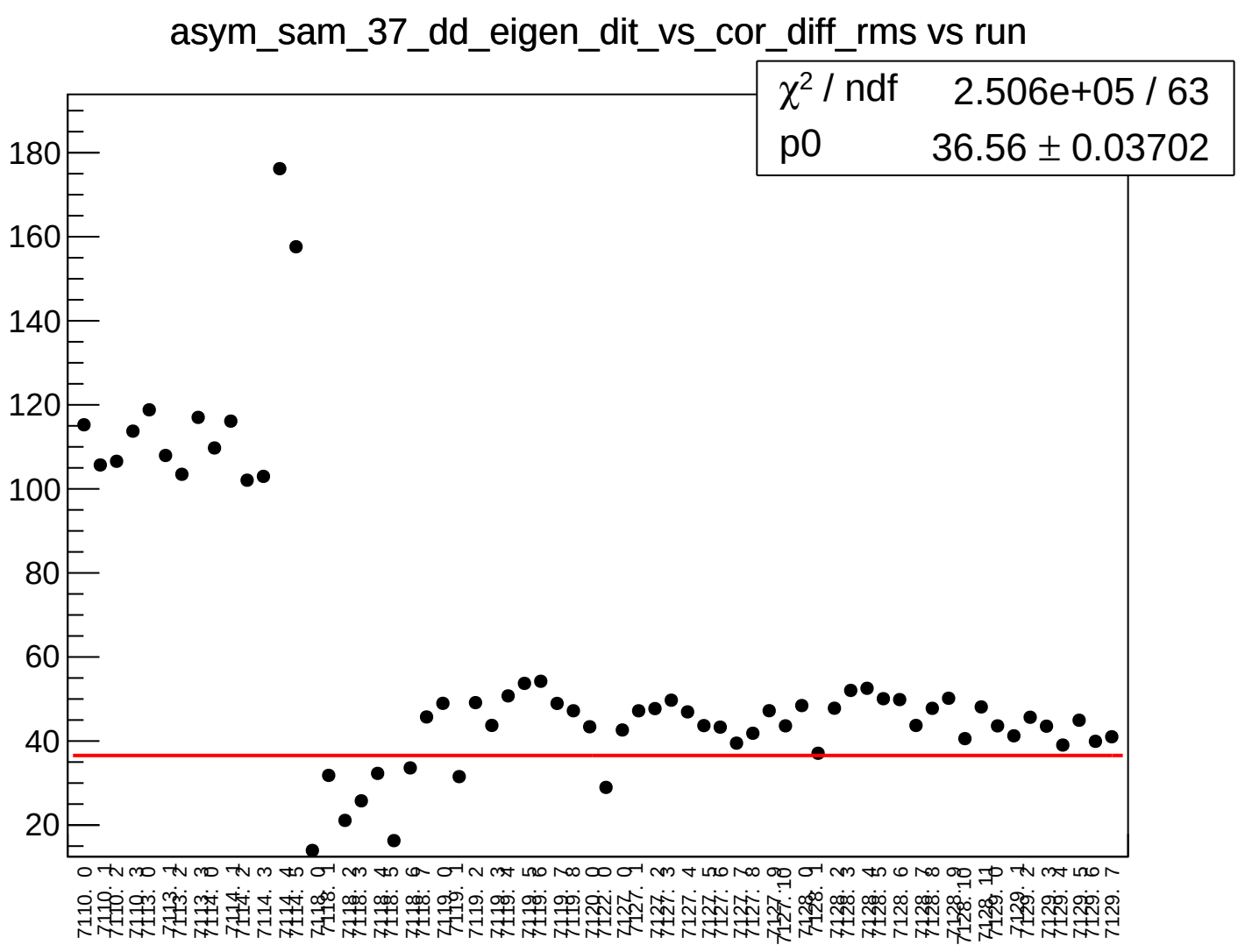

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.505e+05 / 63
p0 36.56 ± 0.03702
180
160
140
120
100
80
60
40
20

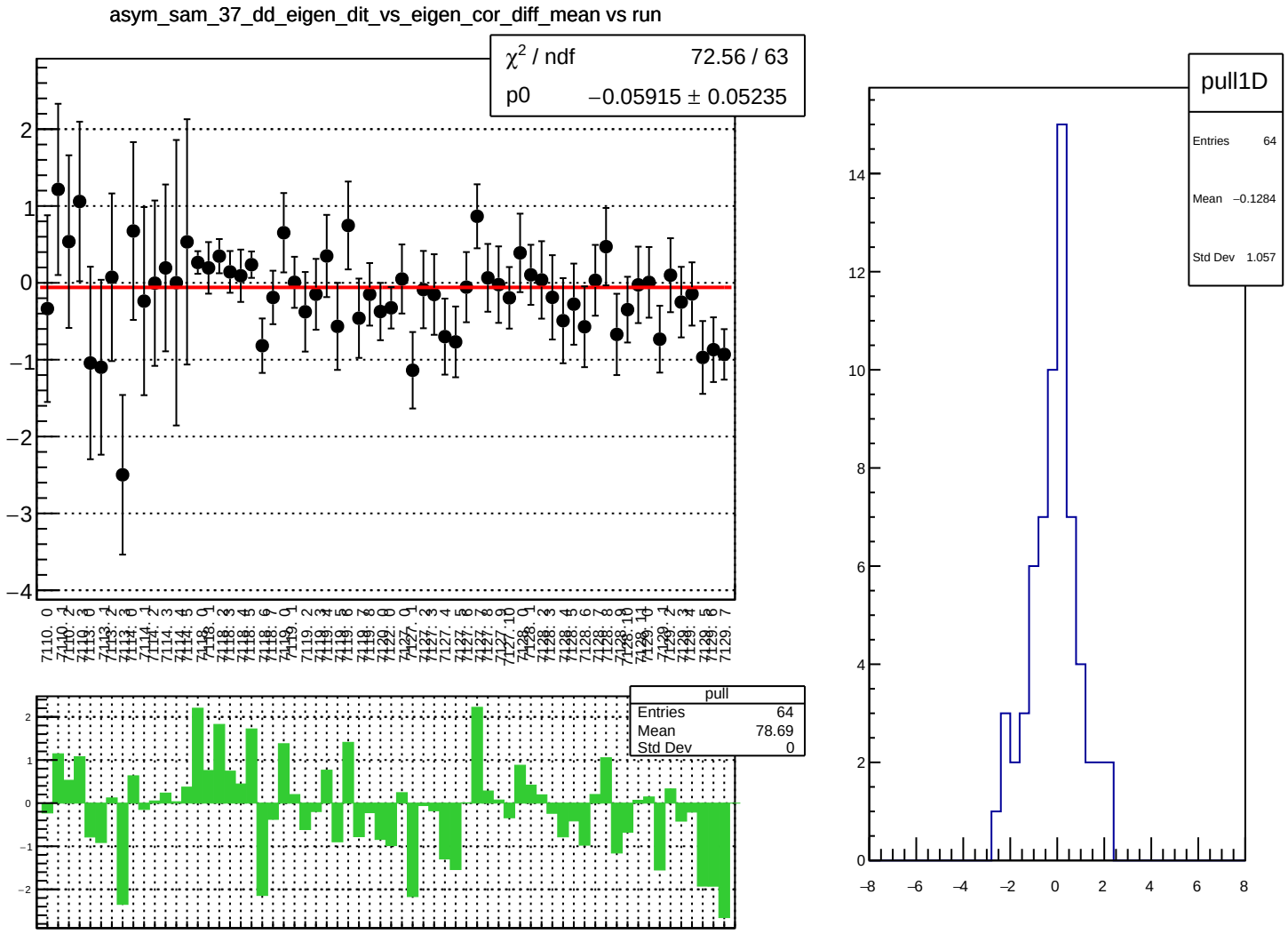

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 53.28 / 63
p0 −3.176e−07 ± 2.225e−07
pull
Entries 64
Mean 329.4
Std Dev 0

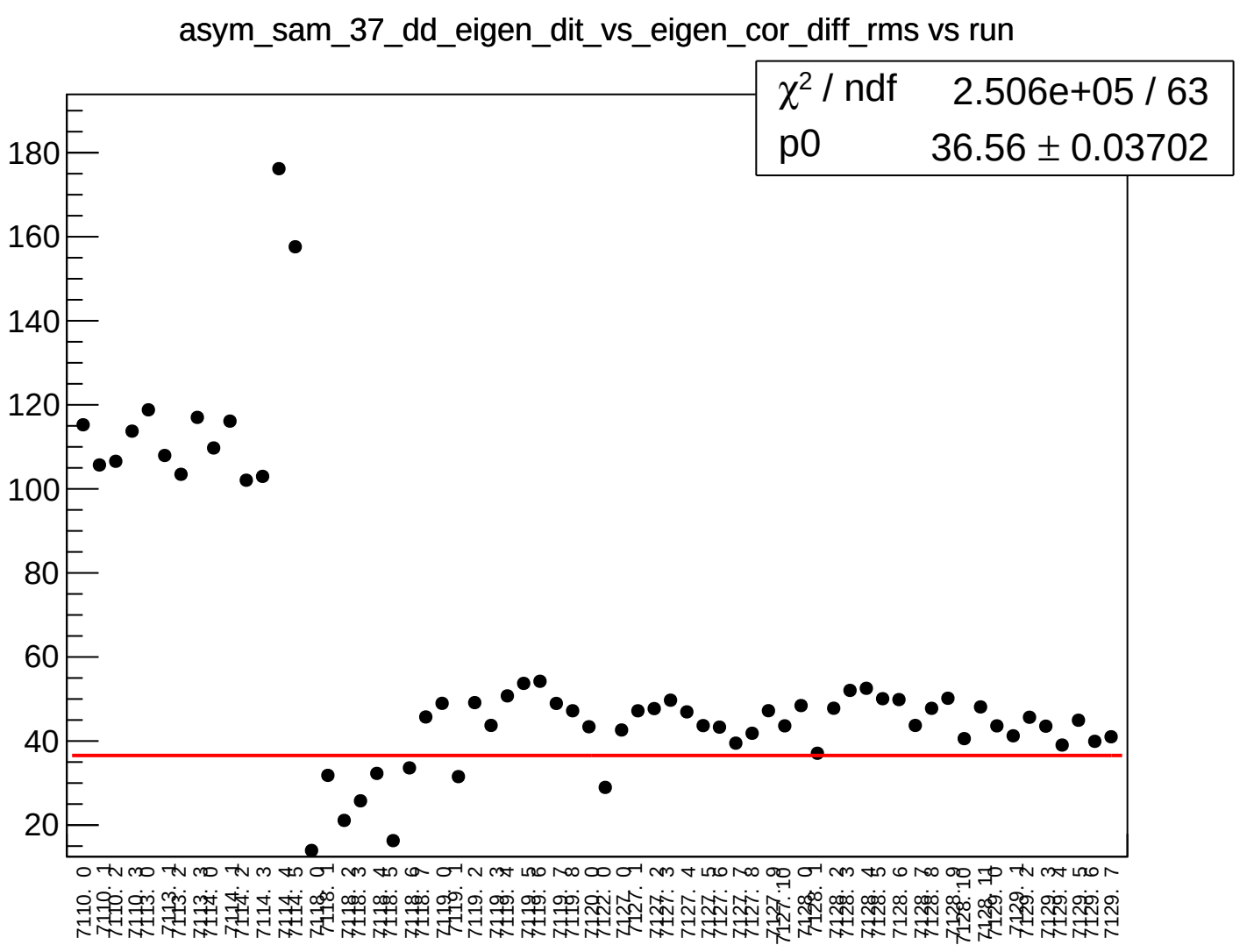

pull1D
Entries 64
Mean −0.01077
Std Dev 0.9124

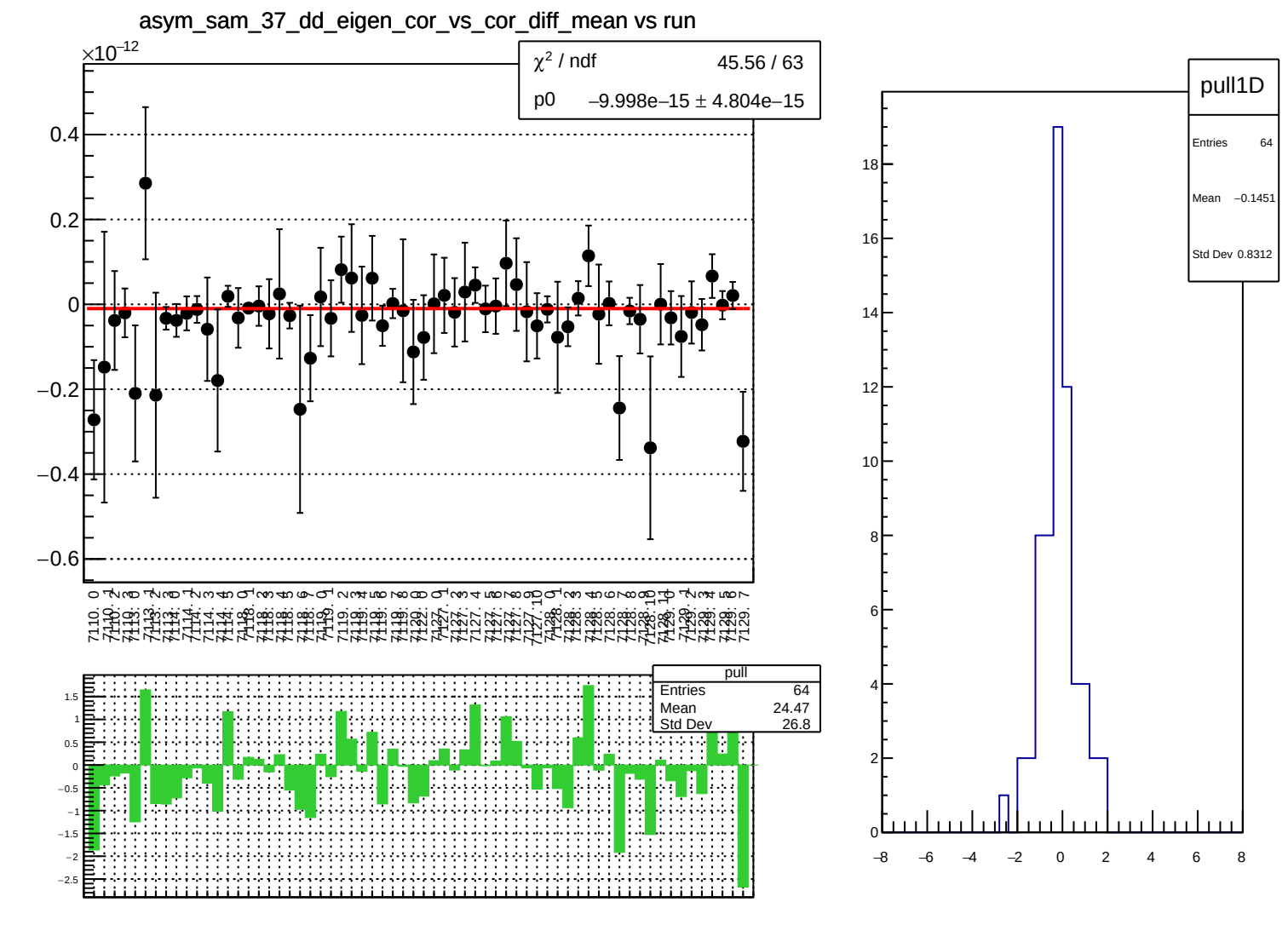

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.643e+04 / 63
p0 0.000173 ± 1.573e−07
0.23
0.22
0.21
0.2
0.19
0.18
0.17
0.16
0.15

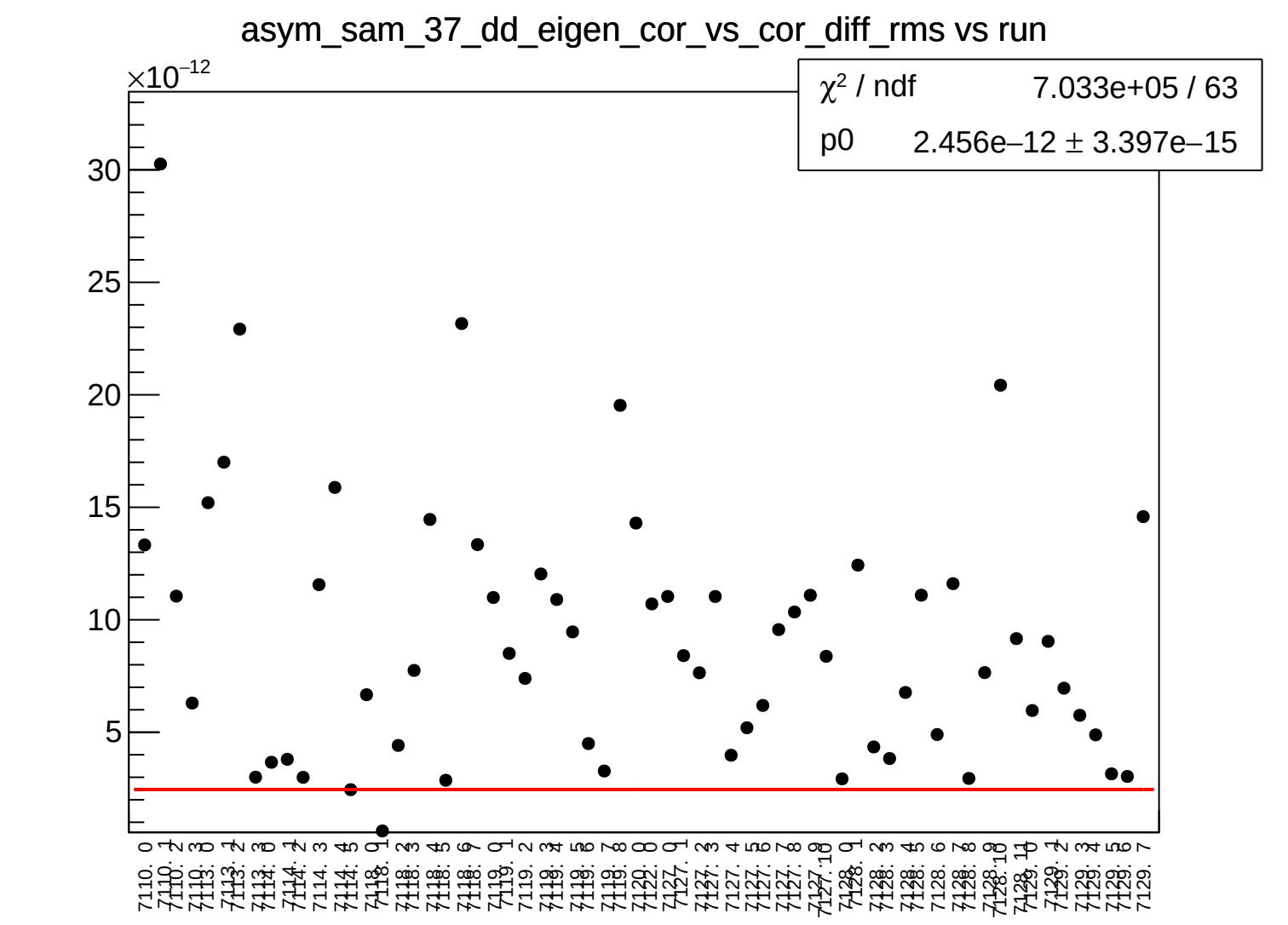

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.56 / 63
p0 −0.05915 ± 0.05235
pull
Entries 64
Mean 78.69
Std Dev 0
pull1D
Entries 64
Mean −0.1284
Std Dev 1.057

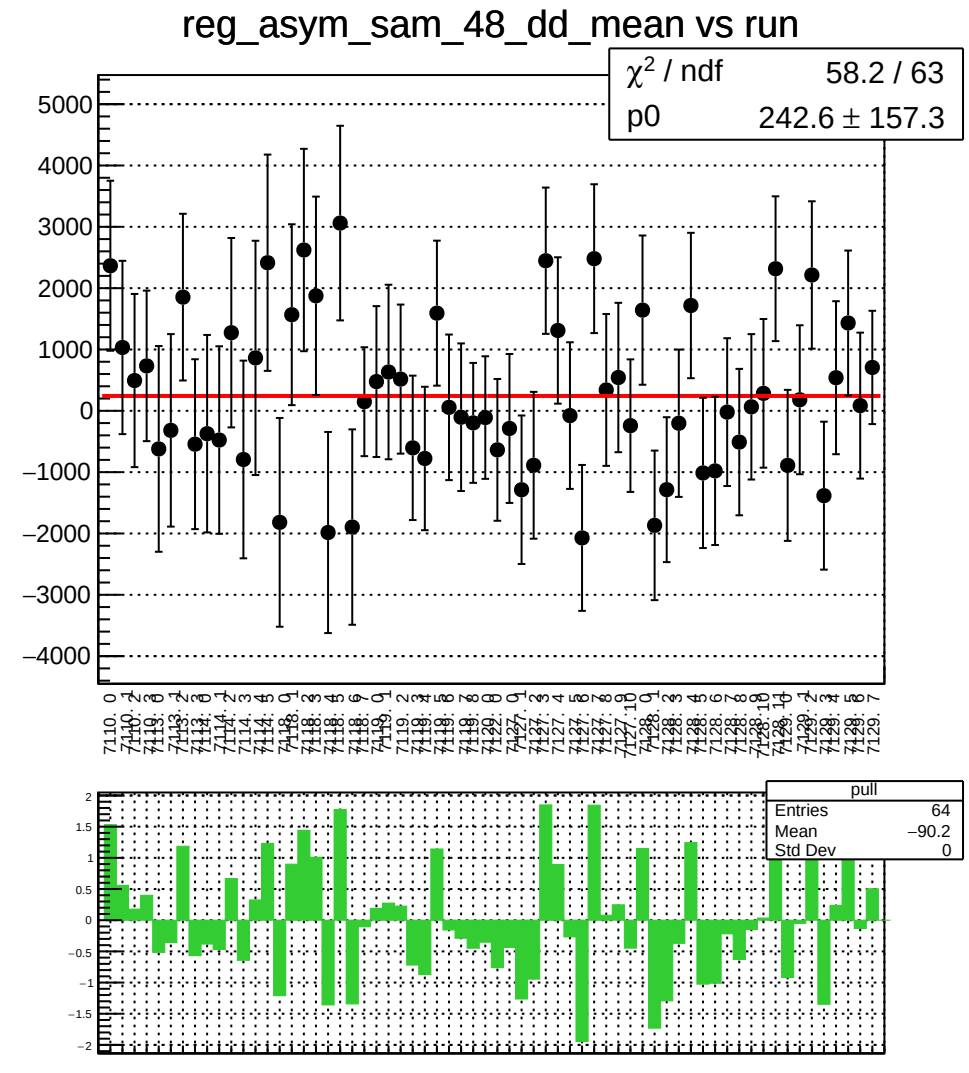

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.506e+05 / 63
p0 36.56 ± 0.03702
180
160
140
120
100
80
60
40
20

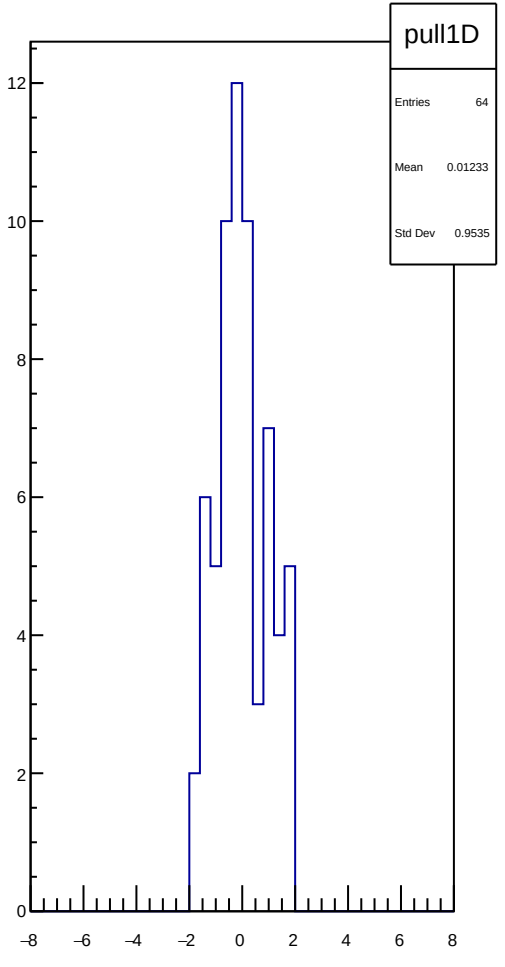

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.56 / 63
p0 −0.05915 ± 0.05235
pull
Entries 64
Mean 78.69
Std Dev 0
pull1D
Entries 64
Mean −0.1284
Std Dev 1.057

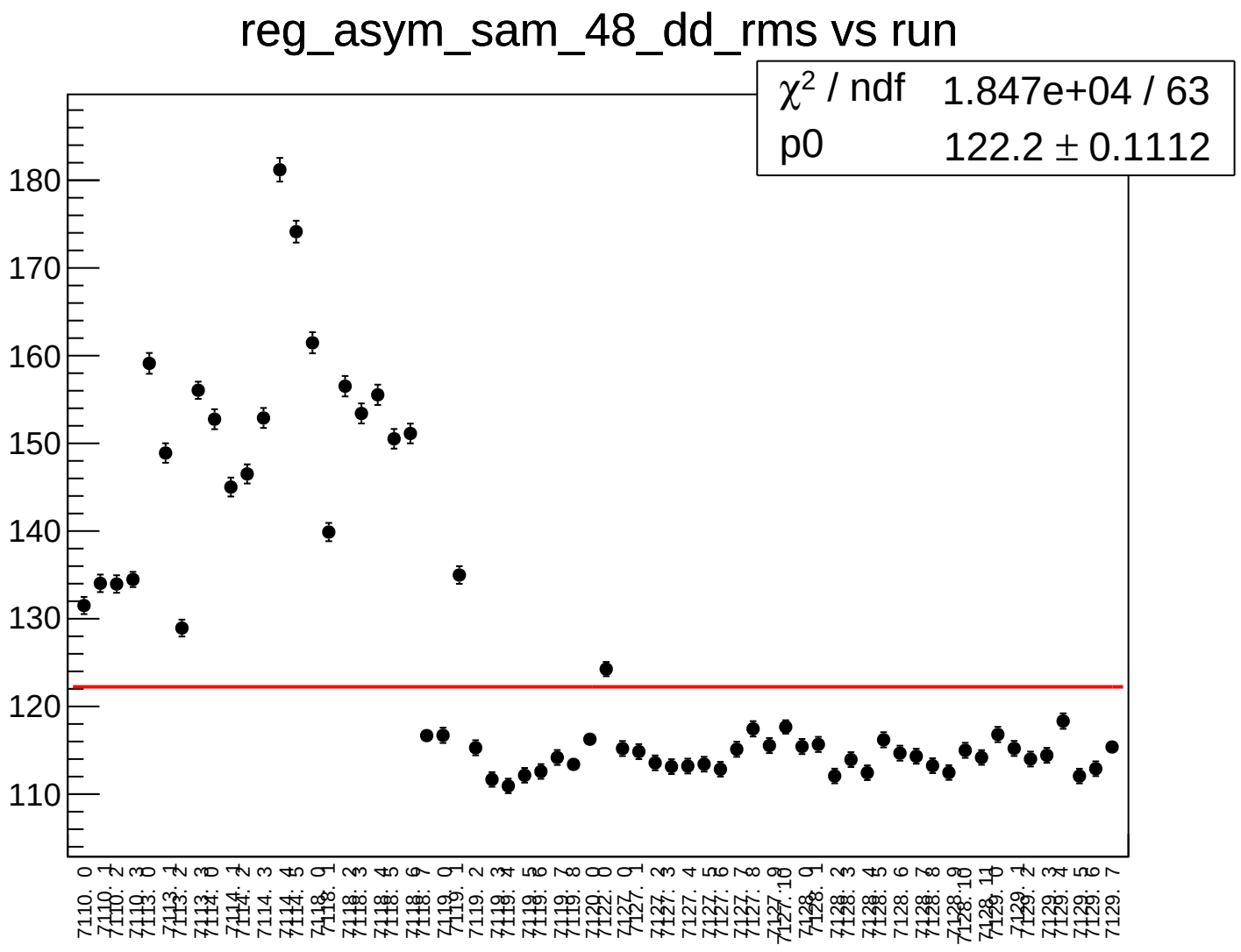

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.506e+05 / 63
p0 36.56 ± 0.03702
180
160
140
120
100
80
60
40
20

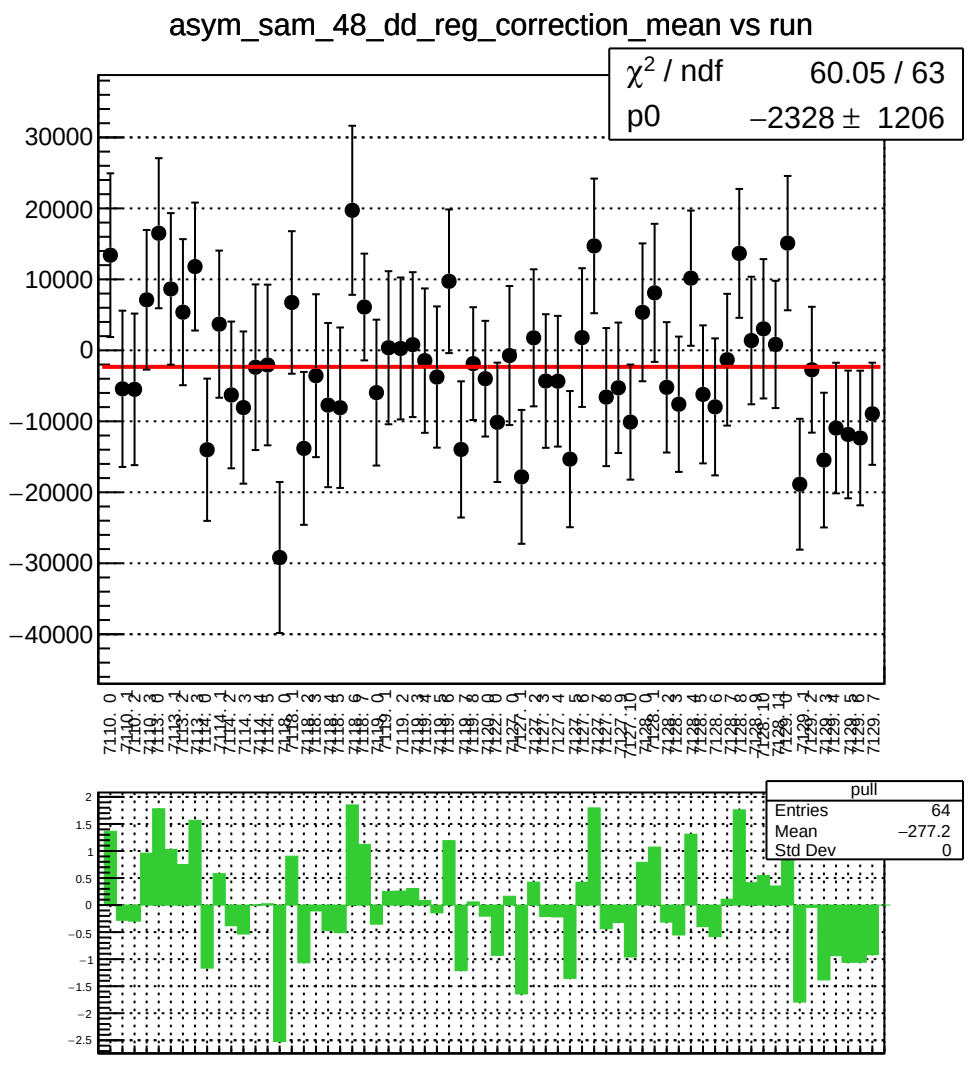

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.56 / 63
p0 −9.998e−15 ± 4.804e−15
pull
Entries 64
Mean 24.47
Std Dev 26.8
pull1D
Entries 64
Mean −0.1451
Std Dev 0.8312

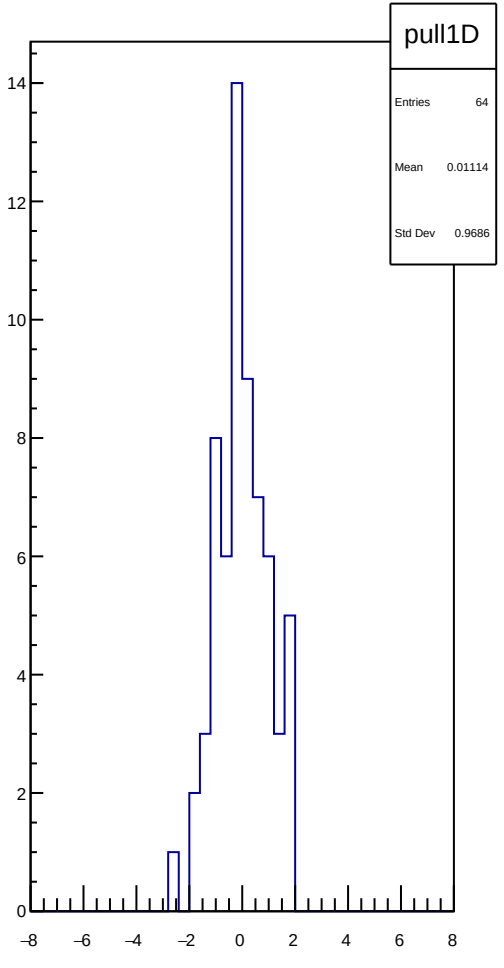

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 7.033e+05 / 63
p0 2.456e−12 ± 3.397e−15
30
25
20
15
10
5

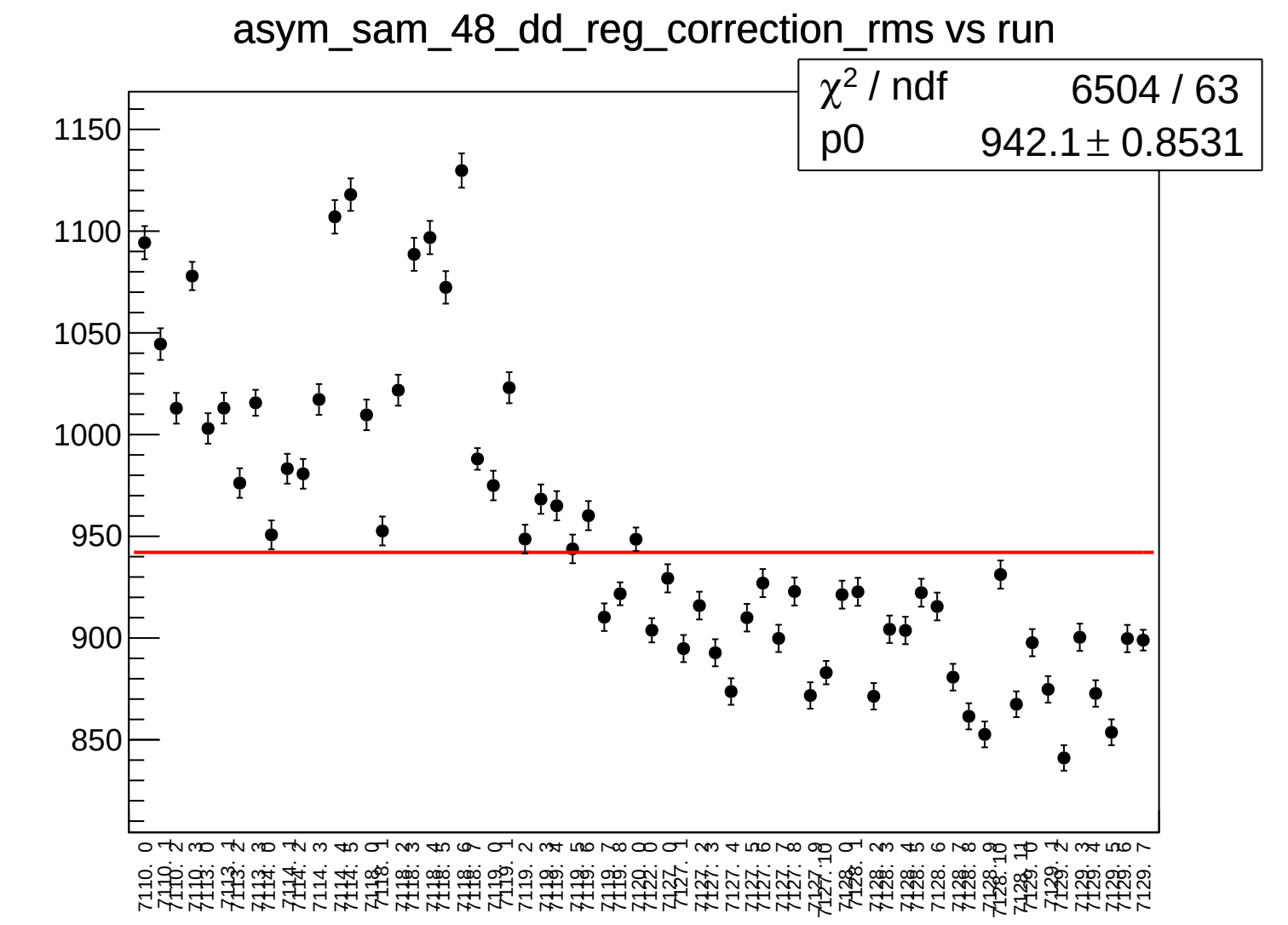

reg_asym_sam_48_dd_mean vs run
χ² / ndf 58.2 / 63
p0 242.6 ± 157.3
pull
Entries 64
Mean −90.2
Std Dev 0

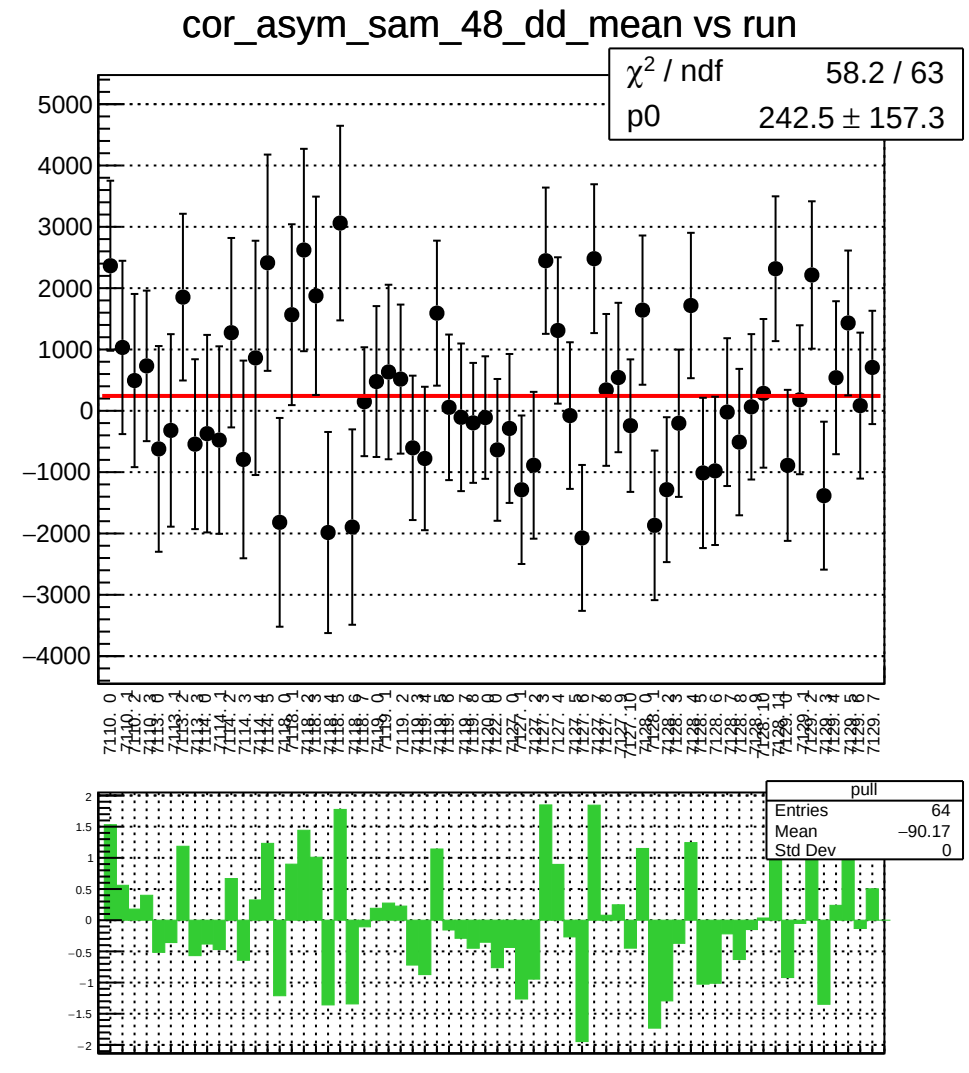

pull1D
Entries 64
Mean 0.01233
Std Dev 0.9535

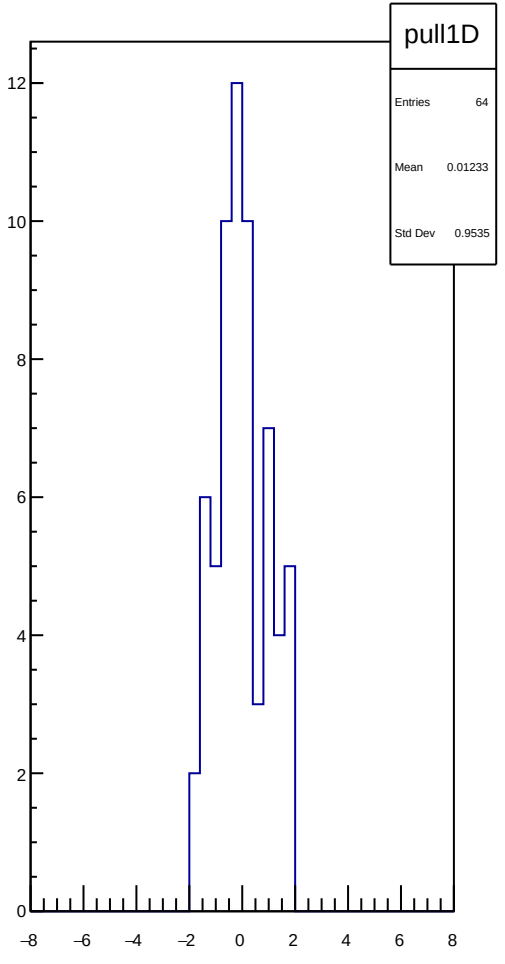

reg_asym_sam_48_dd_rms vs run
χ² / ndf 1.847e+04 / 63
p0 122.2 ± 0.1112
180
170
160
150
140
130
120
110

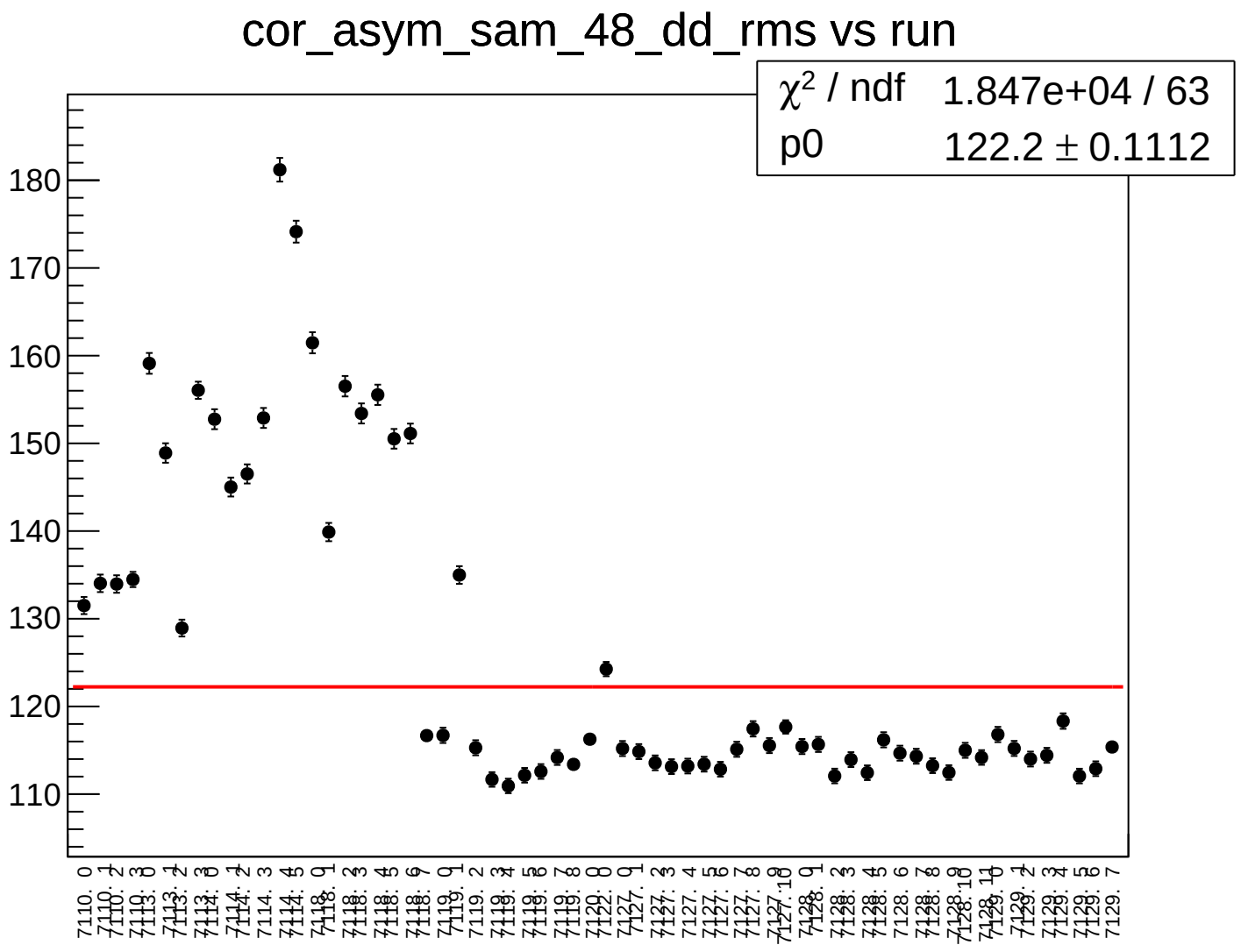

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 60.05 / 63
p0 −2328 ± 1206
pull
Entries 64
Mean −277.2
Std Dev 0

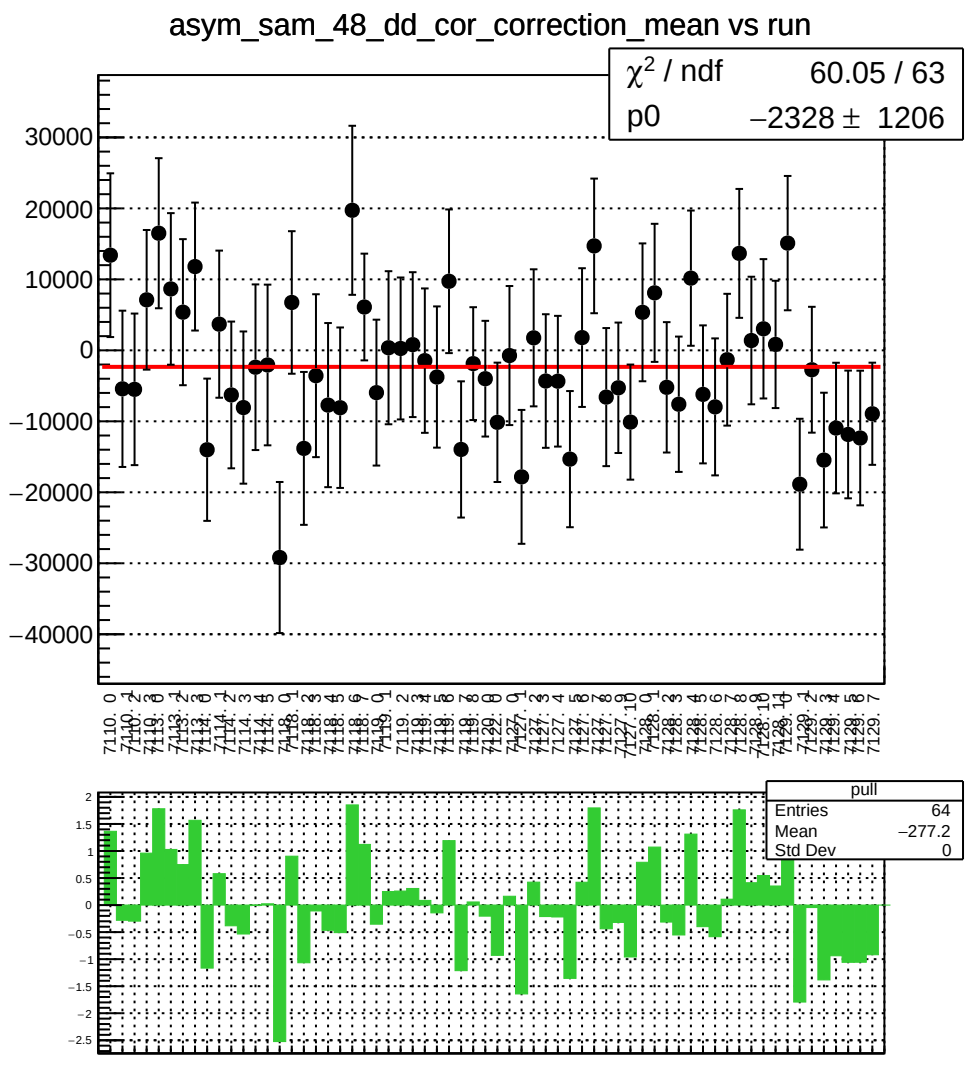

pull1D
Entries 64
Mean 0.01114
Std Dev 0.9686

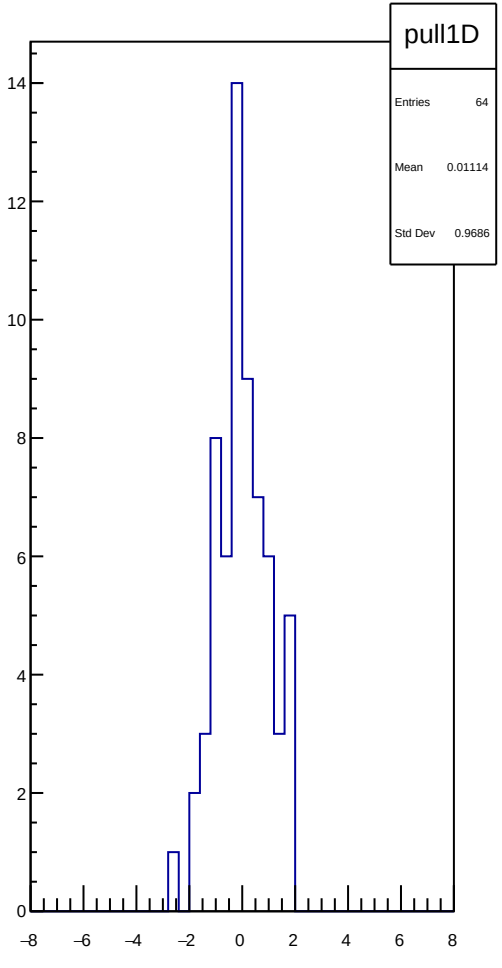

asym_sam_48_dd_reg_correction_rms vs run
χ^2 / ndf 6504 / 63
p0 942.1 ± 0.8531
1150
1100
1050
1000
950
900
850

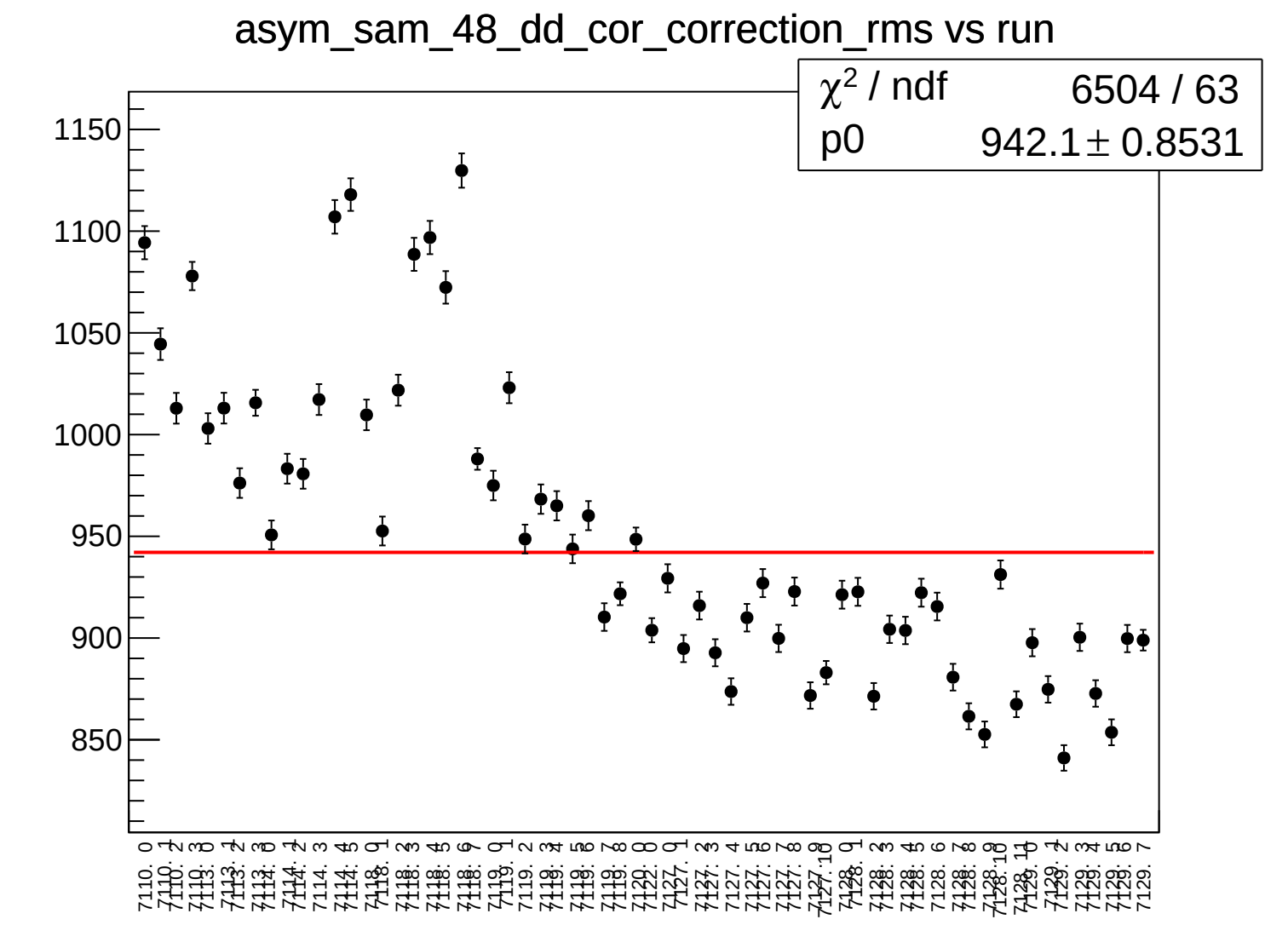

cor_asym_sam_48_dd_mean vs run
χ² / ndf 58.2 / 63
p0 242.5 ± 157.3
pull
Entries 64
Mean −90.17
Std Dev 0

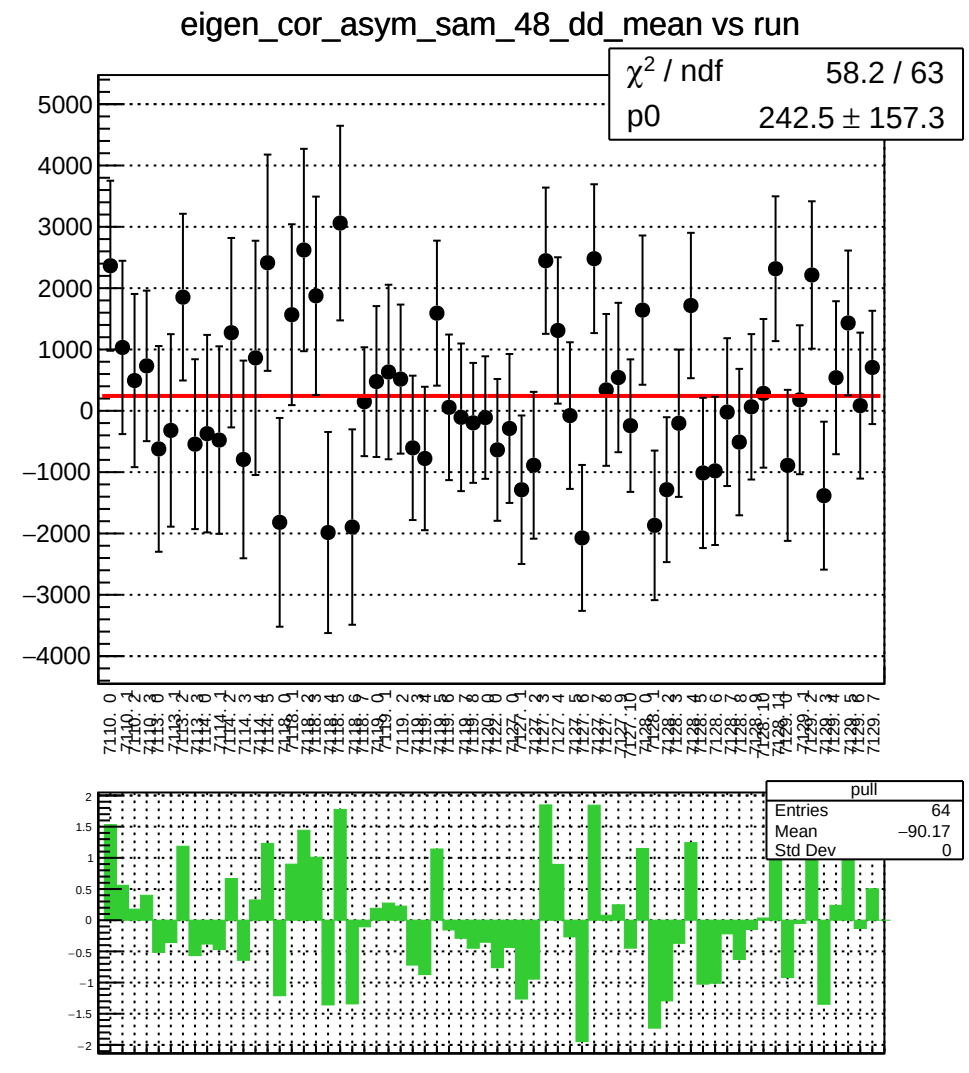

pull1D
Entries 64
Mean 0.01233
Std Dev 0.9535

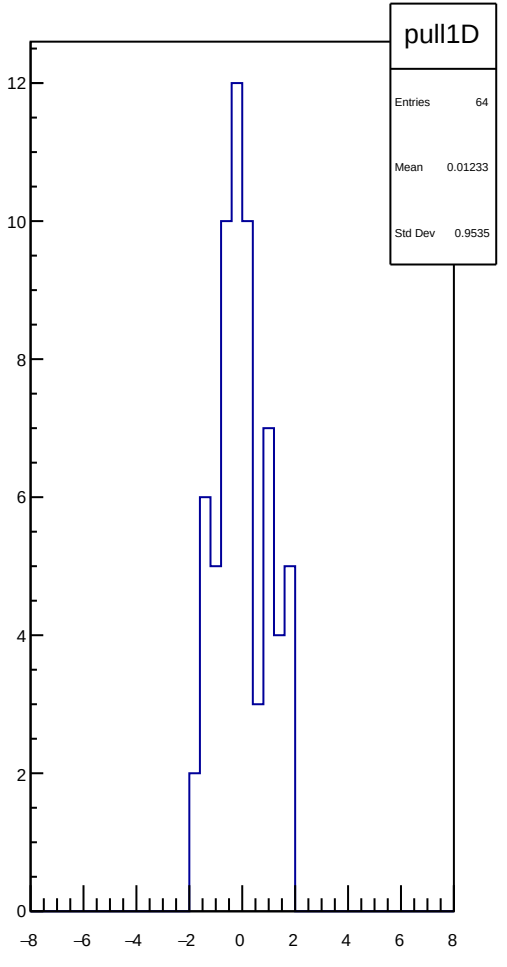

cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.847e+04 / 63
p0 122.2 ± 0.1112
180
170
160
150
140
130
120
110

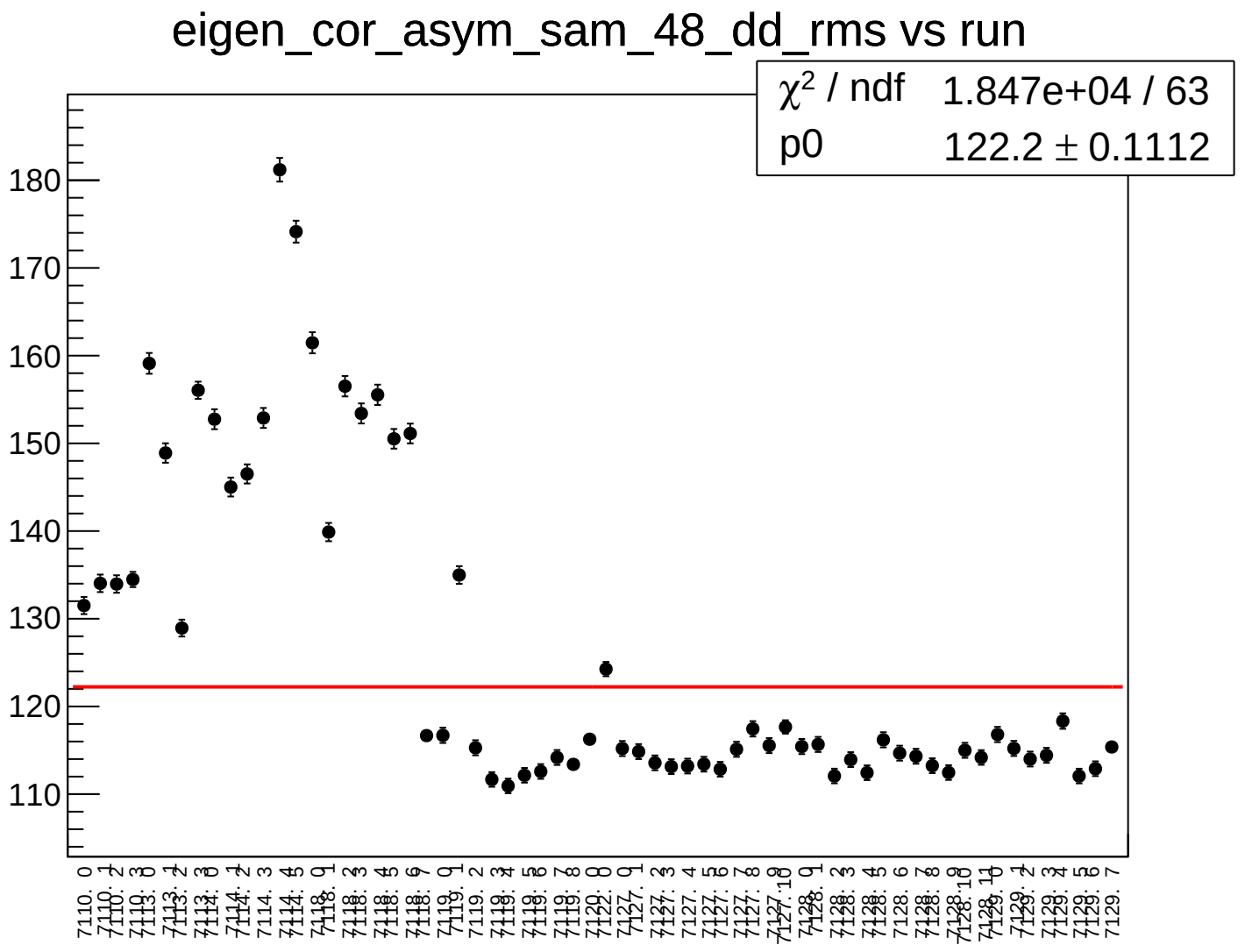

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 60.05 / 63
p0 −2328 ± 1206
pull
Entries 64
Mean −277.2
Std Dev 0

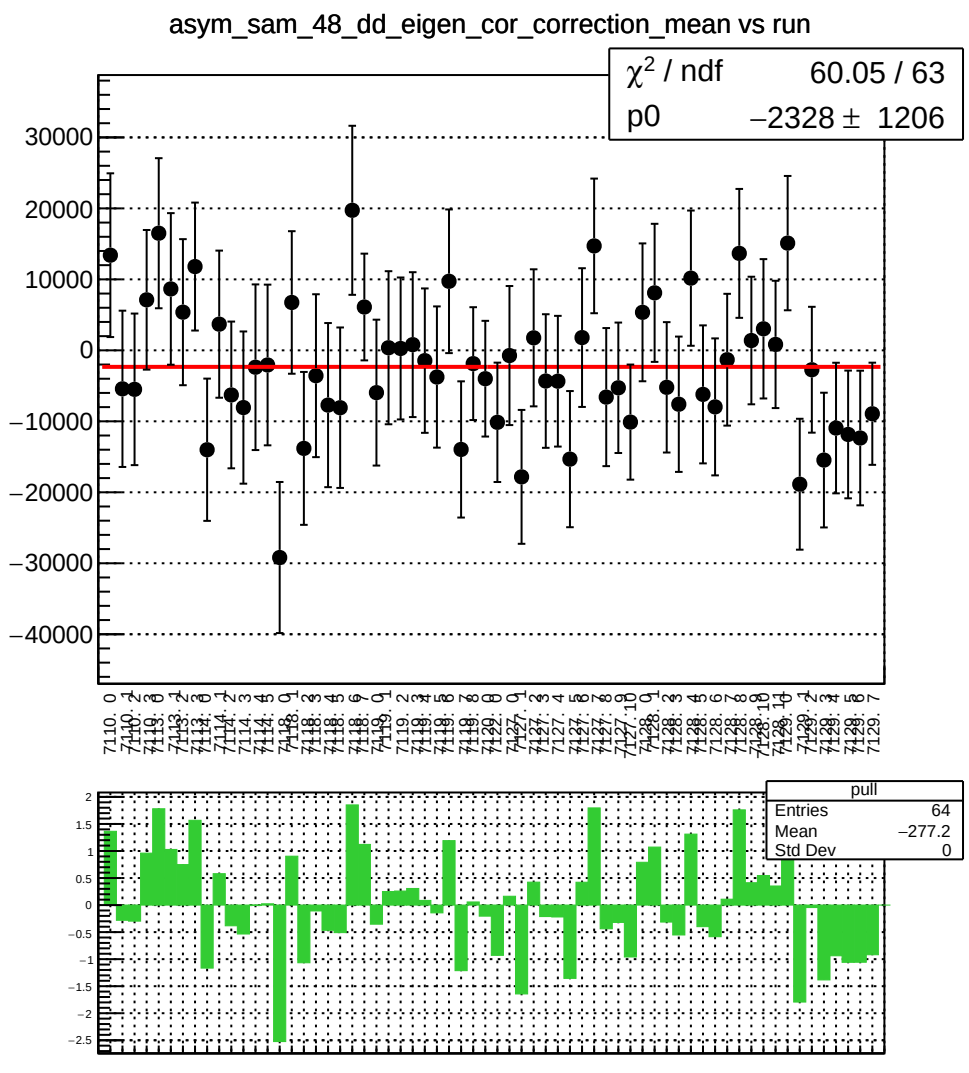

pull1D
Entries 64
Mean 0.01114
Std Dev 0.9686

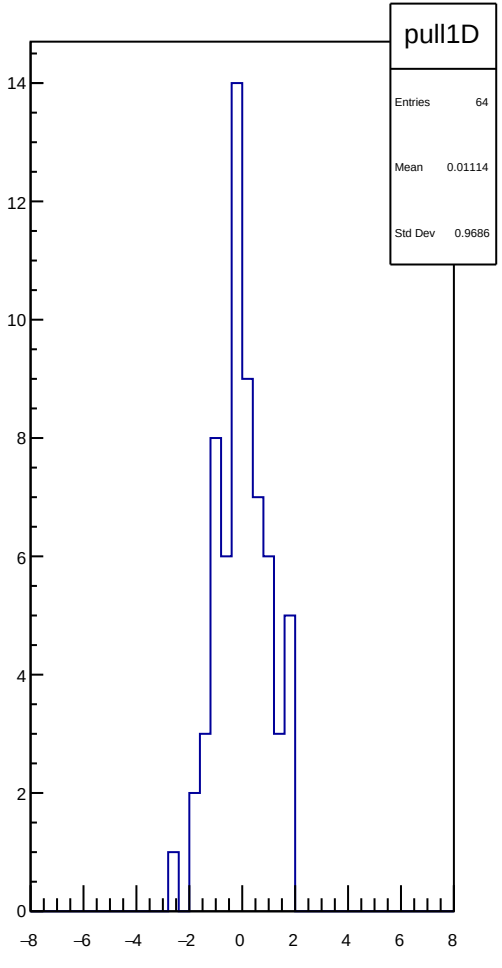

asym_sam_48_dd_cor_correction_rms vs run
χ^2 / ndf 6504 / 63
p0 942.1 ± 0.8531
1150
1100
1050
1000
950
900
850

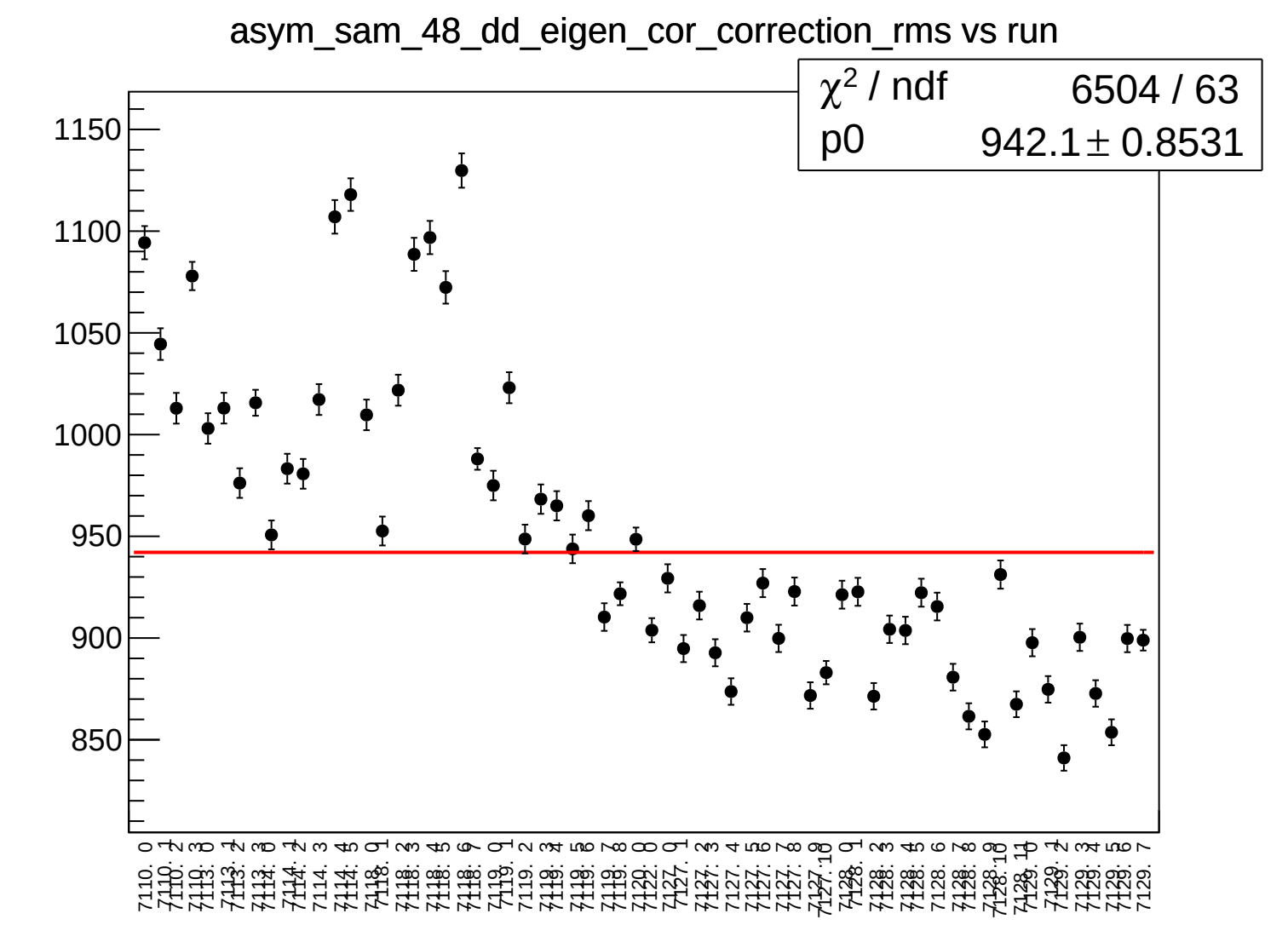

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 58.2 / 63
p0 242.5 ± 157.3
pull
Entries 64
Mean −90.17
Std Dev 0

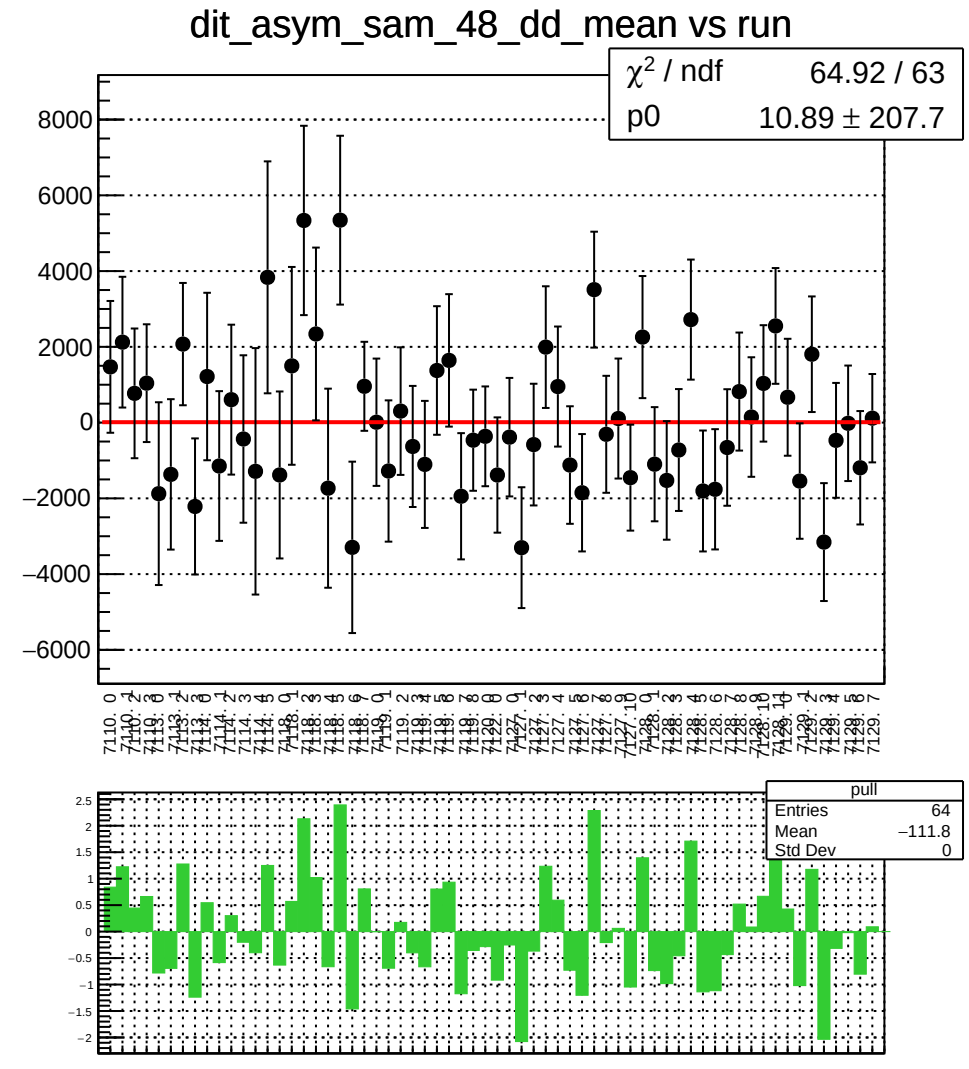

pull1D
Entries 64
Mean 0.01233
Std Dev 0.9535

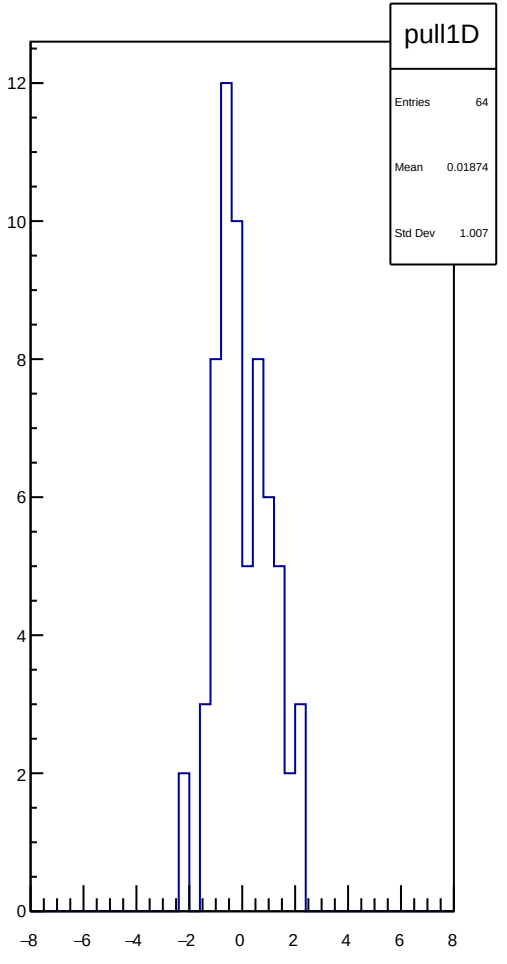

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.847e+04 / 63
p0 122.2 ± 0.1112
180
170
160
150
140
130
120
110

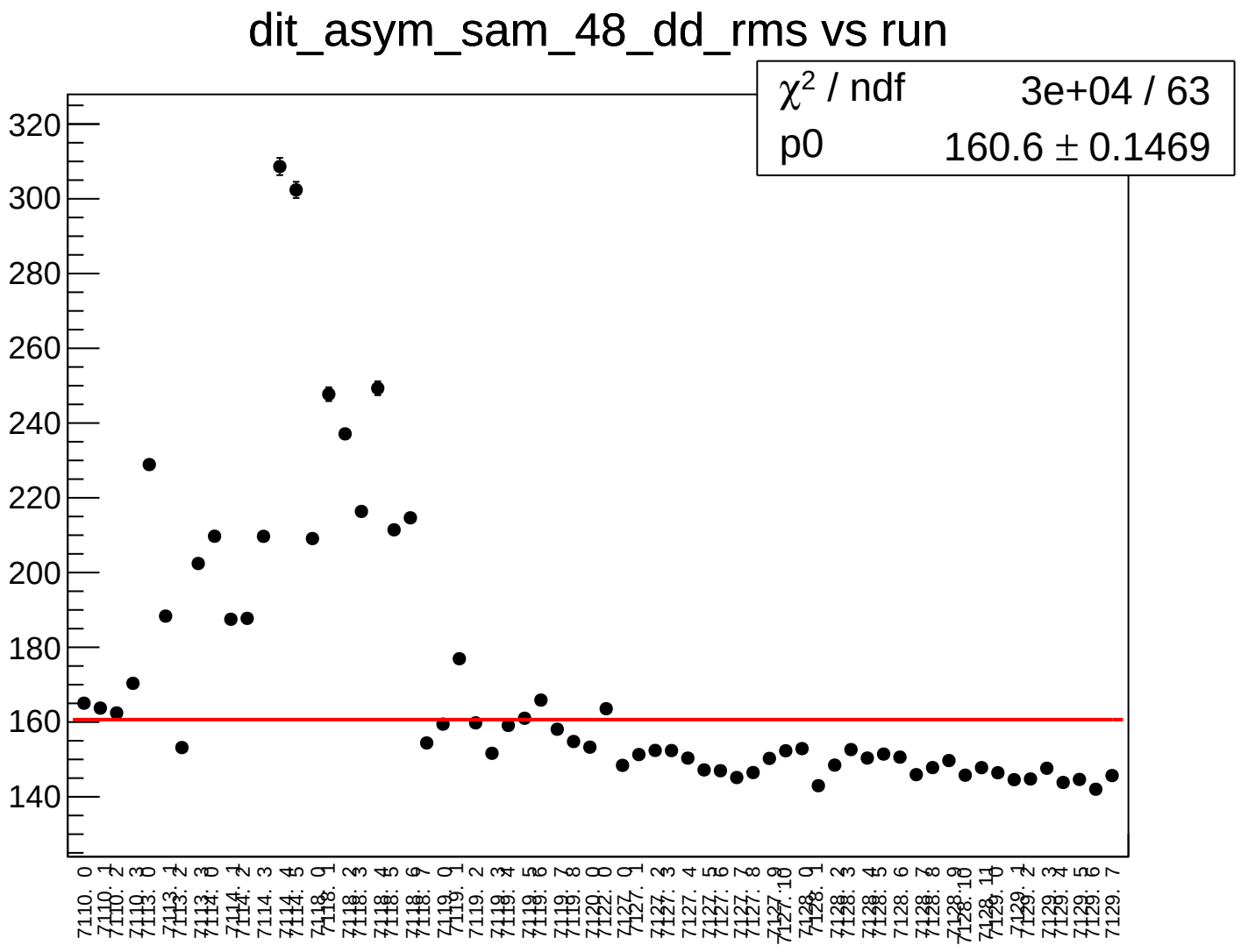

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.05 / 63
p0 −2328 ± 1206
pull
Entries 64
Mean −277.2
Std Dev 0

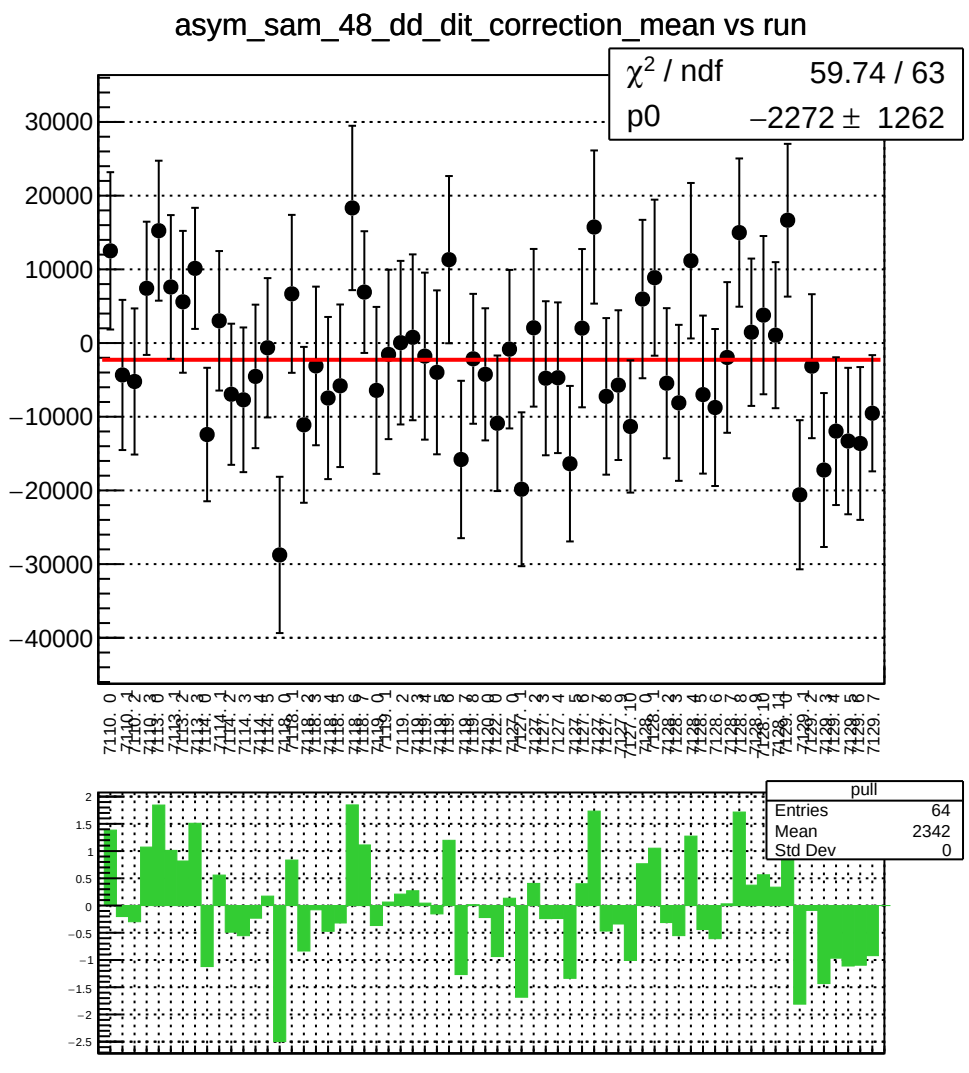

pull1D
Entries 64
Mean 0.01114
Std Dev 0.9686

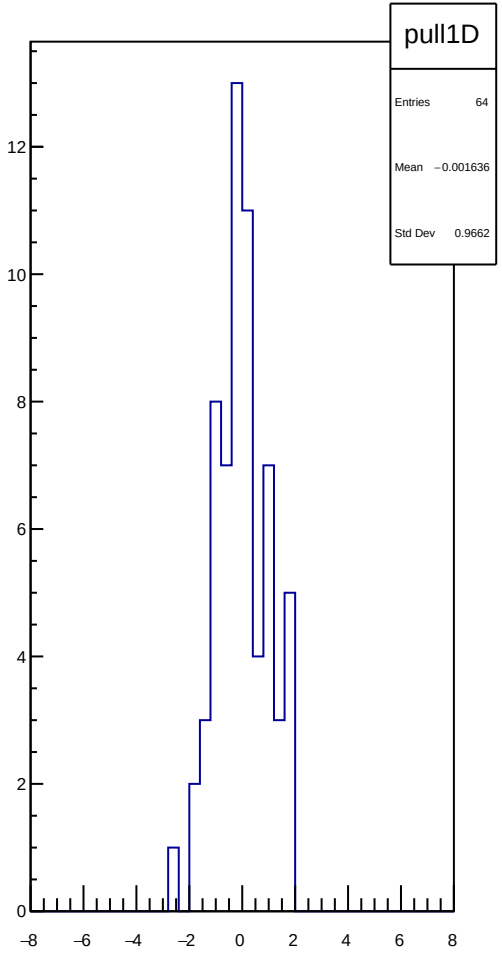

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 6504 / 63
p0 942.1 ± 0.8531
1150
1100
1050
1000
950
900
850

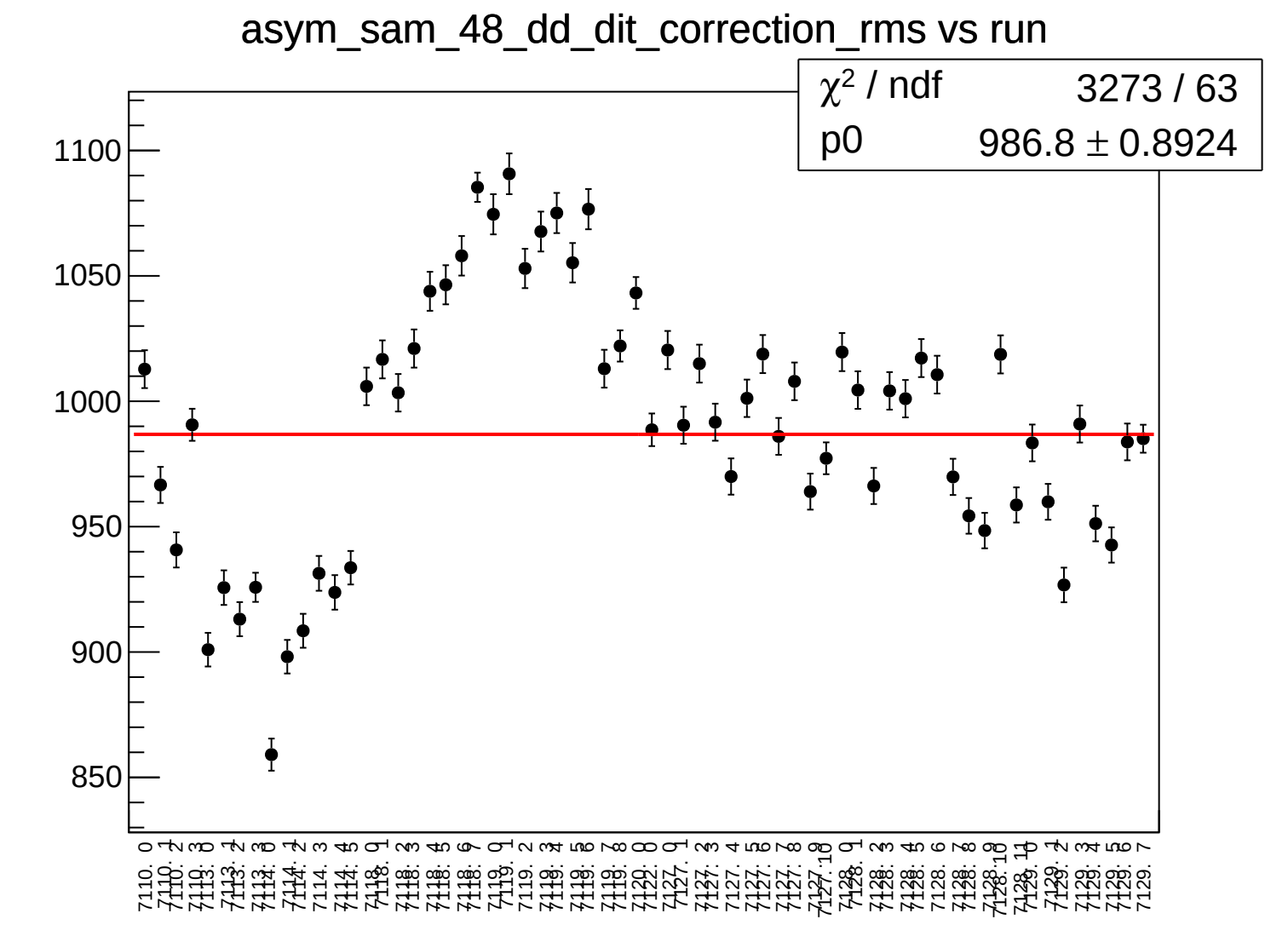

dit_asym_sam_48_dd_mean vs run
χ² / ndf 64.92 / 63
p0 10.89 ± 207.7
pull
Entries 64
Mean −111.8
Std Dev 0

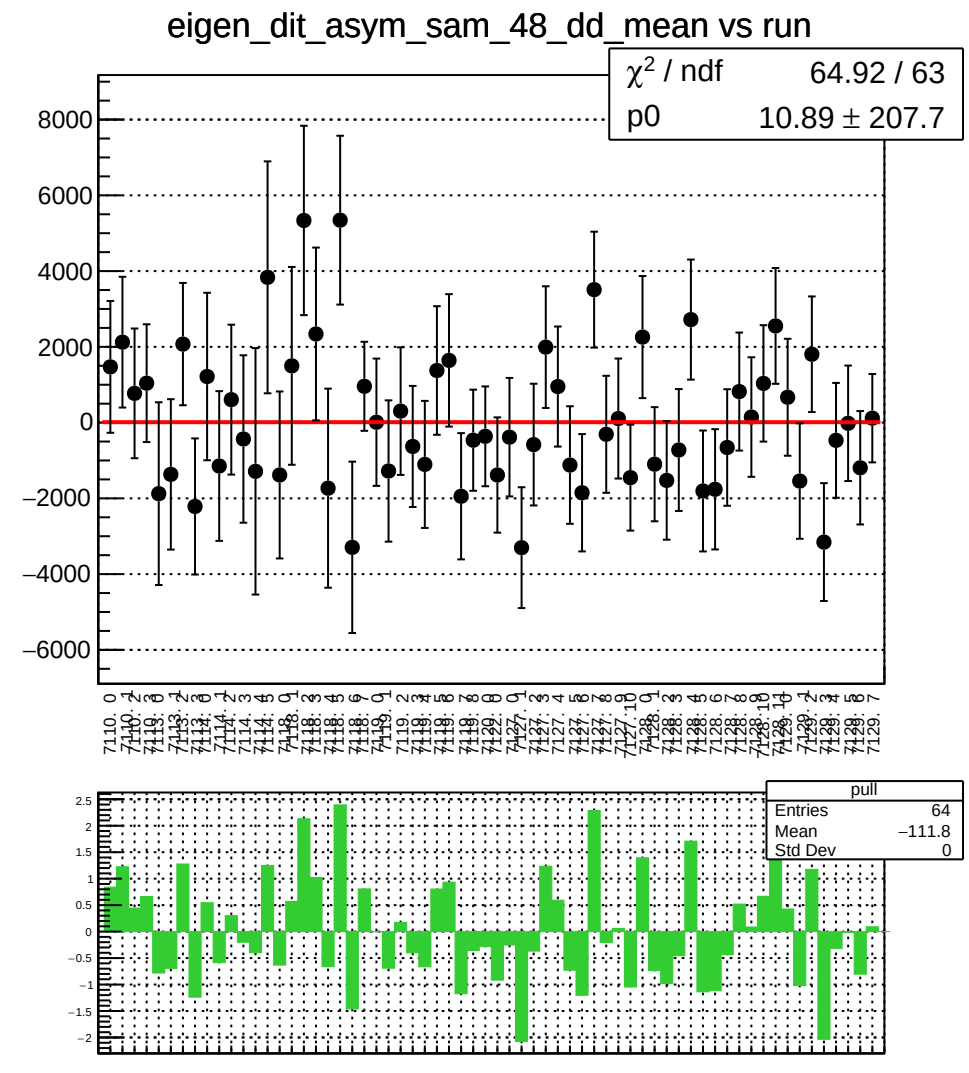

pull1D
Entries 64
Mean 0.01874
Std Dev 1.007

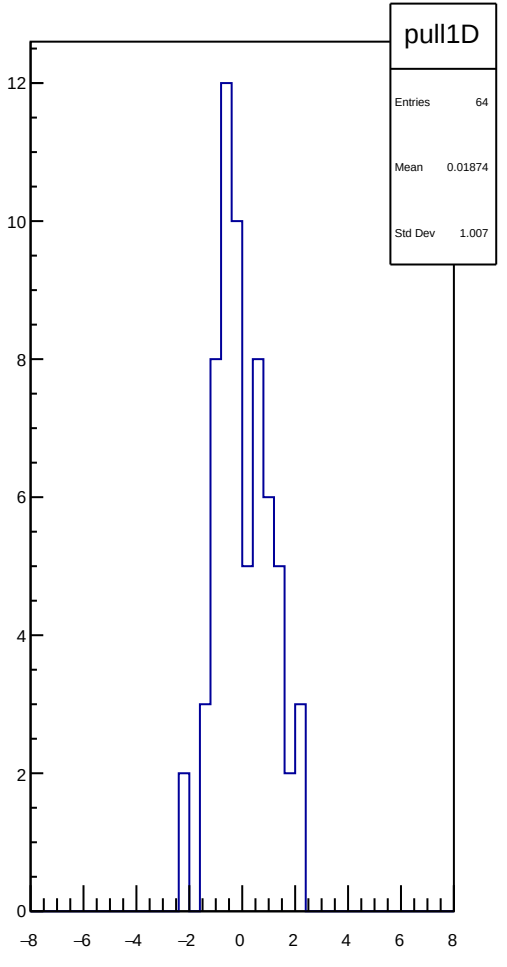

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3e+04 / 63
p0 160.6 ± 0.1469
320
300
280
260
240
220
200
180
160
140

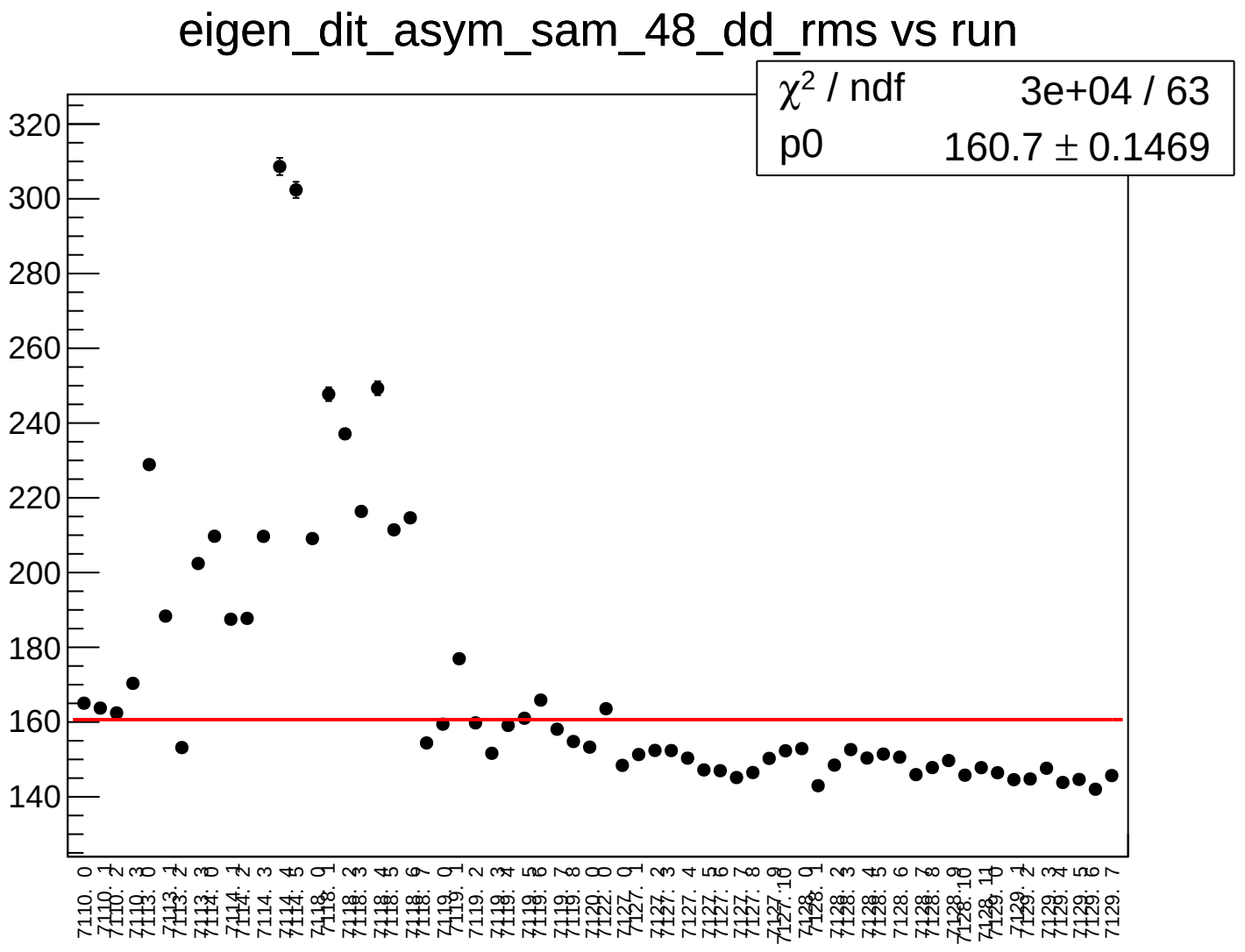

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 59.74 / 63
p0 −2272 ± 1262
pull
Entries 64
Mean 2342
Std Dev 0

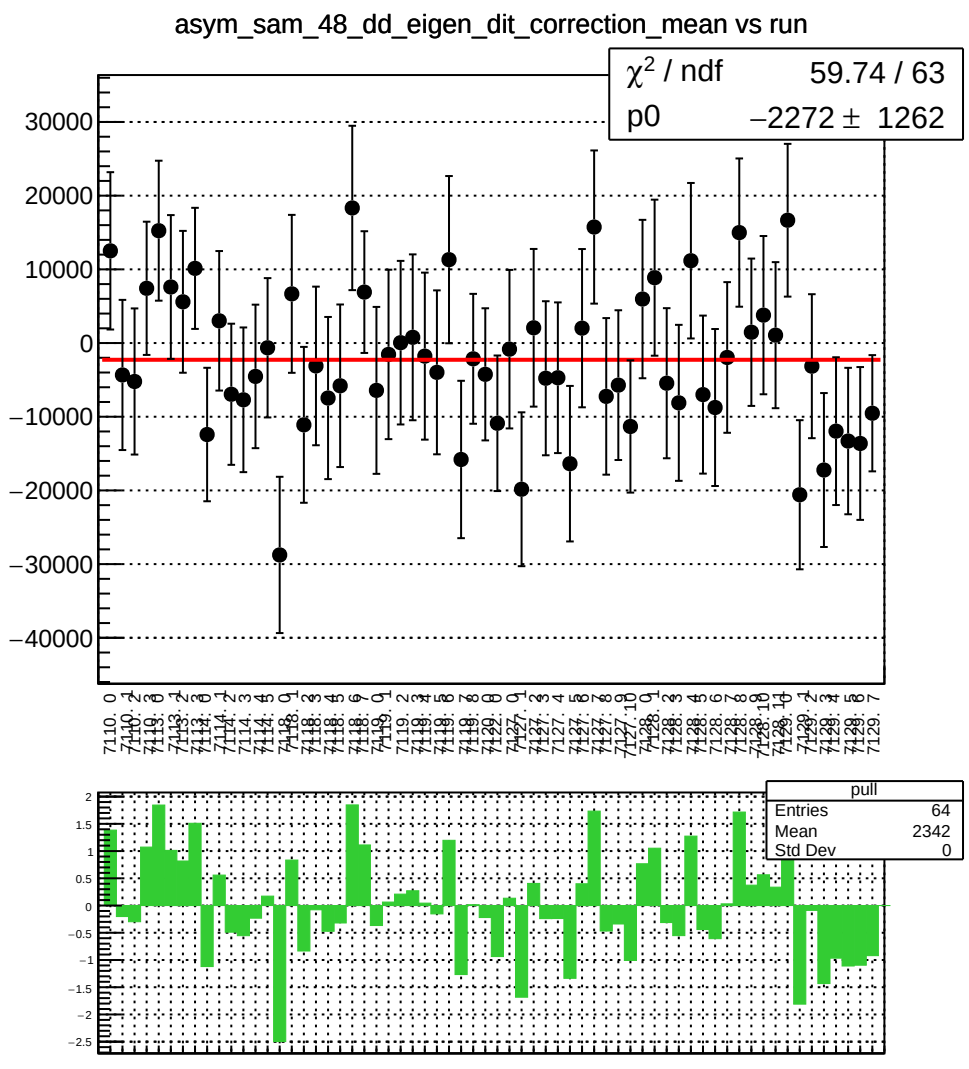

pull1D
Entries 64
Mean −0.001636
Std Dev 0.9662

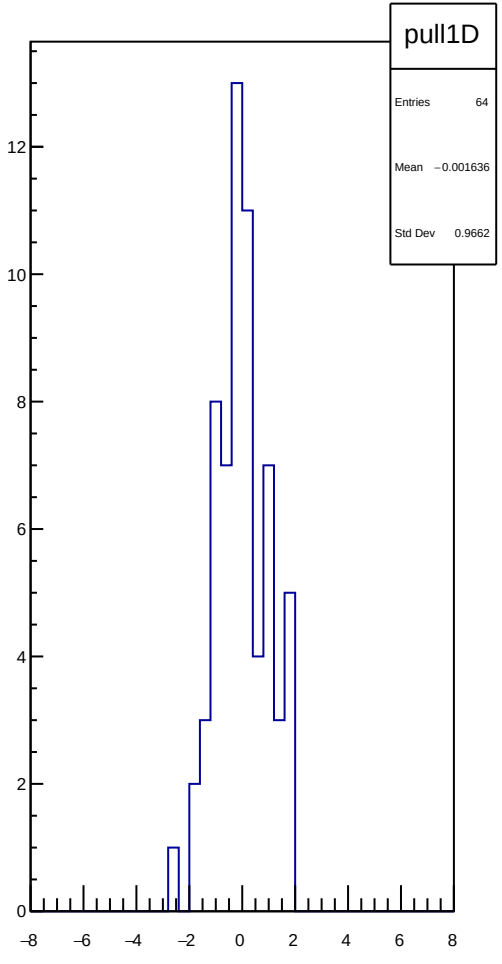

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 3273 / 63
p0 986.8 ± 0.8924
1100
1050
1000
950
900
850

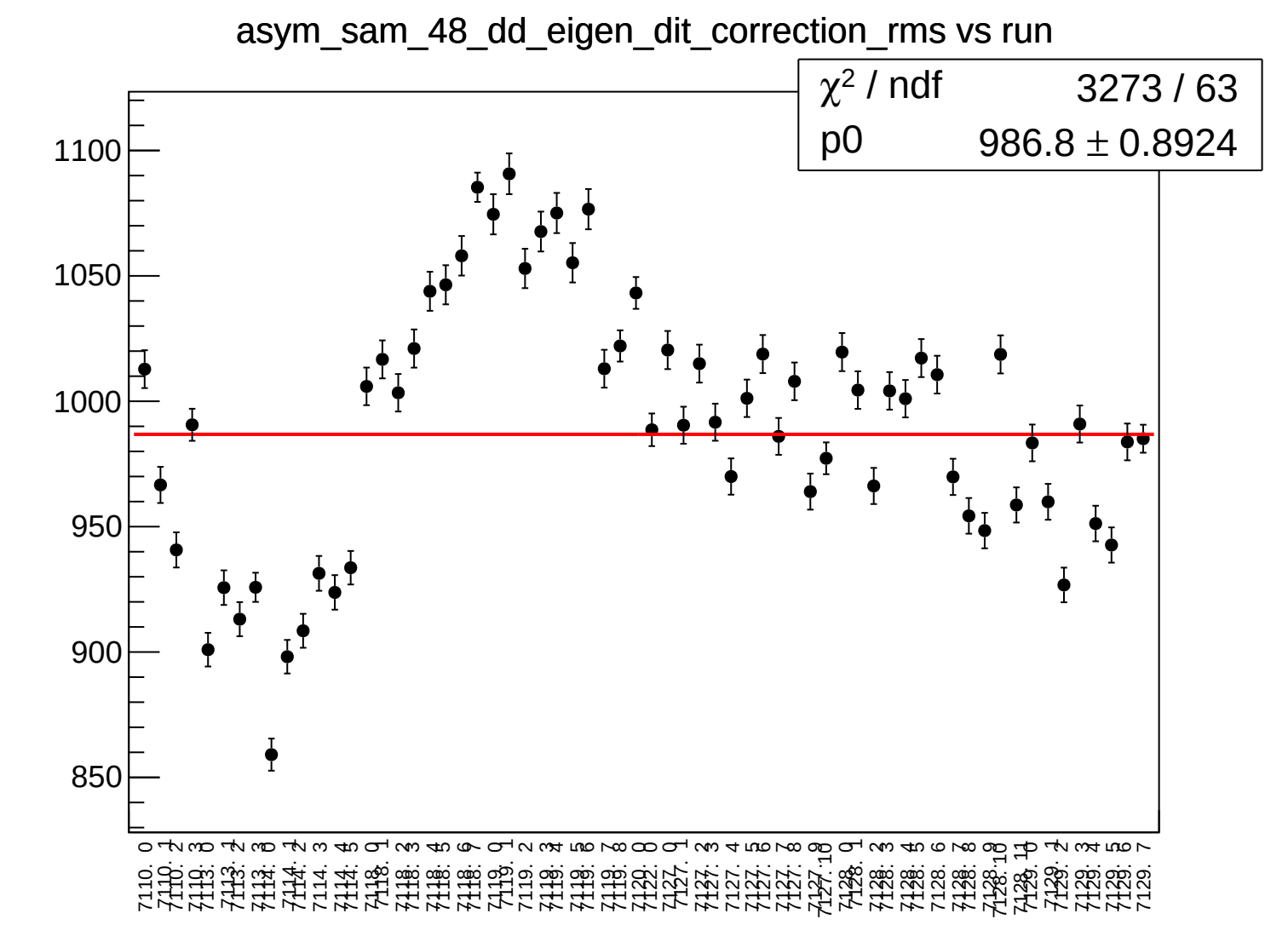

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 64.92 / 63
p0 10.89 ± 207.7
pull
Entries 64
Mean −111.8
Std Dev 0

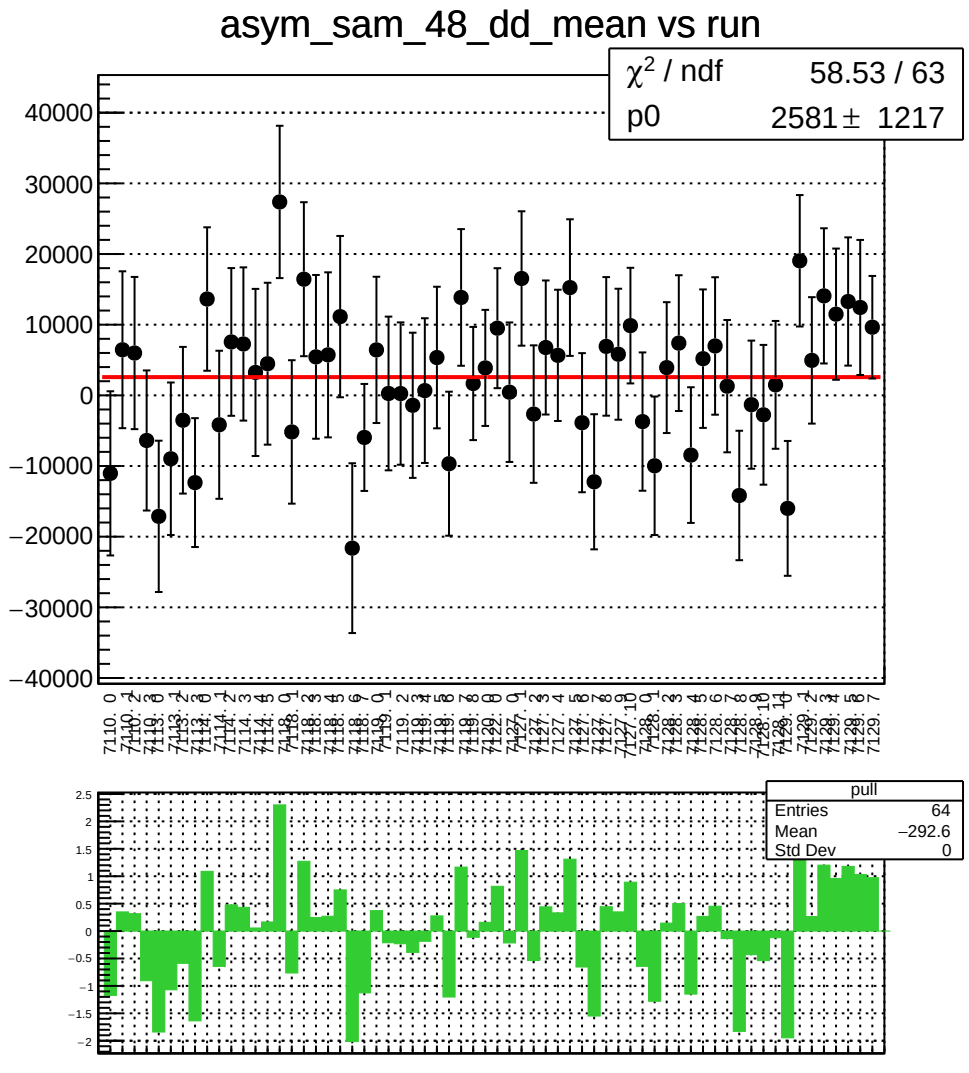

pull1D
Entries 64
Mean 0.01874
Std Dev 1.007

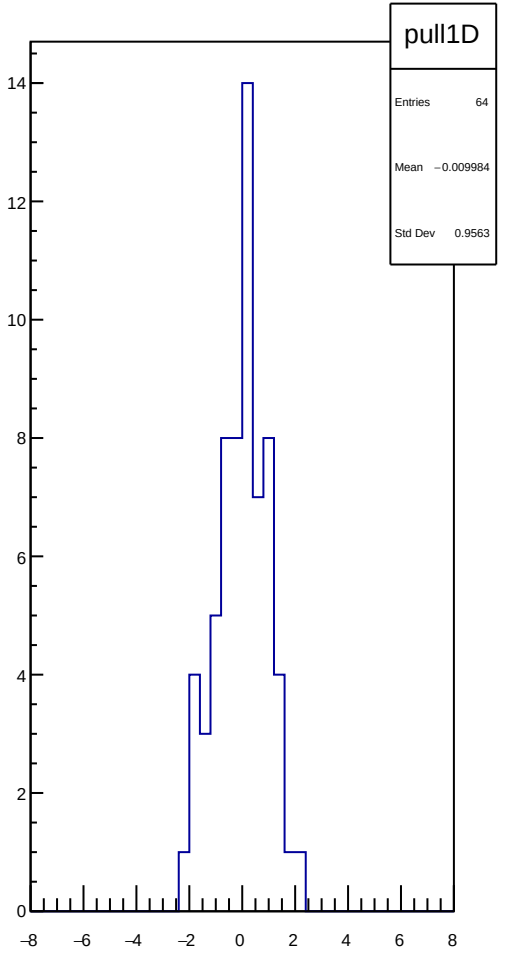

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 3e+04 / 63
p0 160.7 ± 0.1469
320
300
280
260
240
220
200
180
160
140

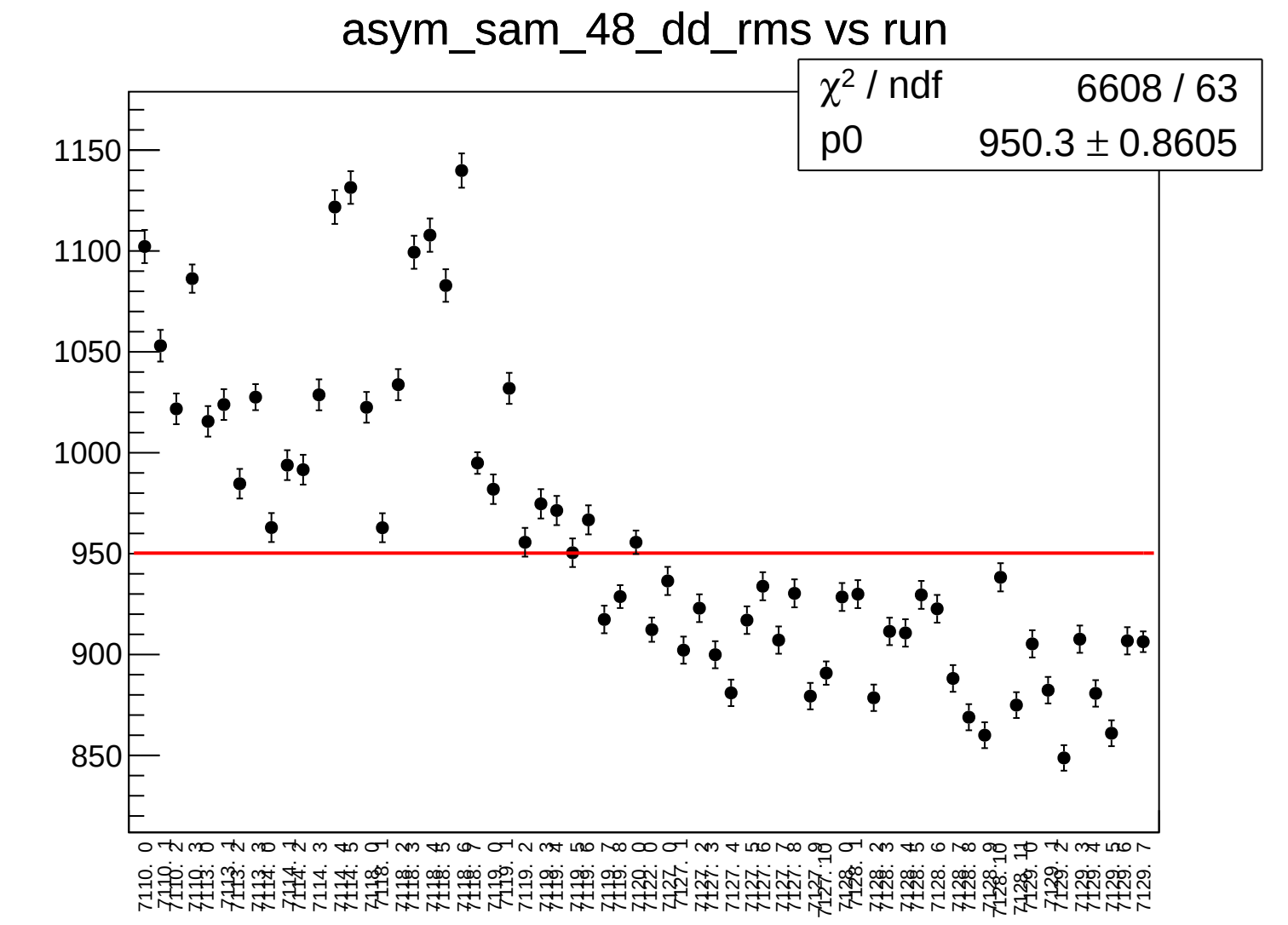

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.74 / 63
p0 −2272 ± 1262
pull
Entries 64
Mean 2342
Std Dev 0

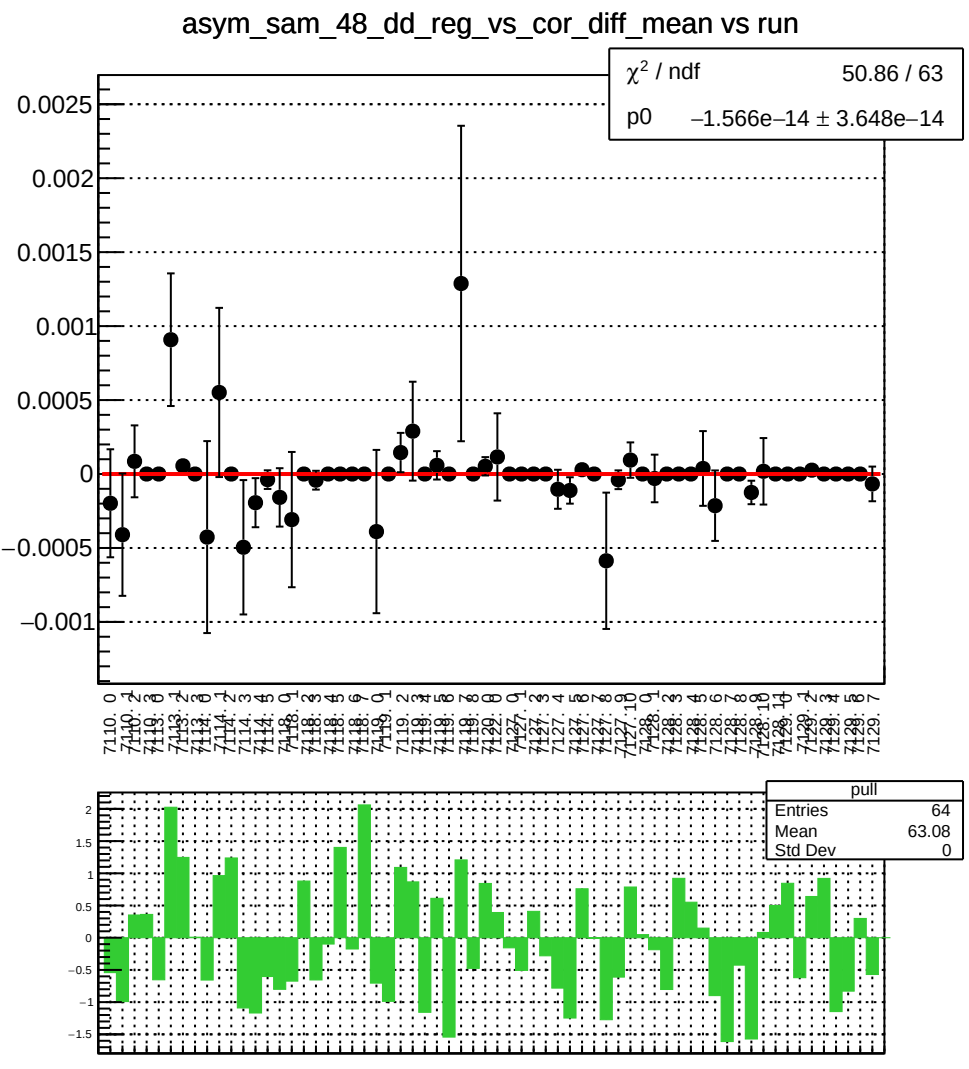

pull1D
Entries 64
Mean −0.001636
Std Dev 0.9662

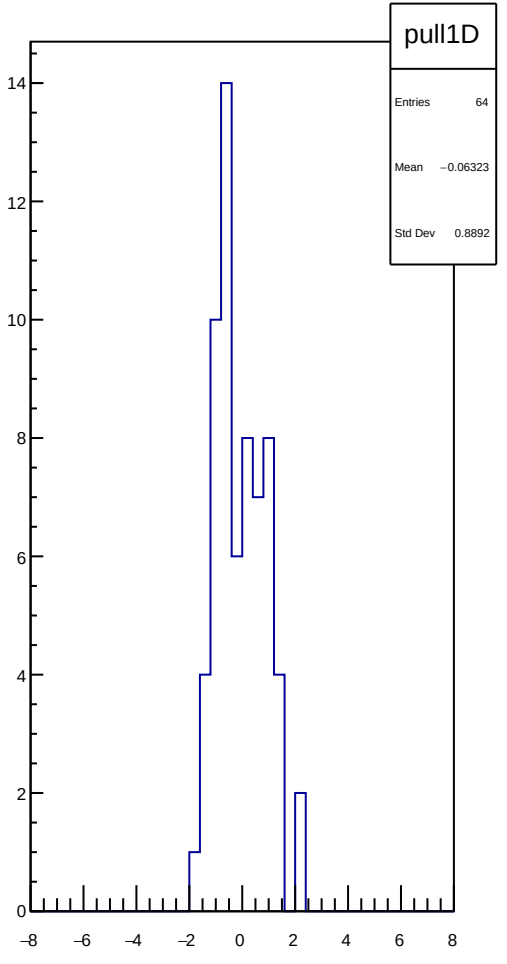

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3273 / 63
p0 986.8 ± 0.8924
1100
1050
1000
950
900
850

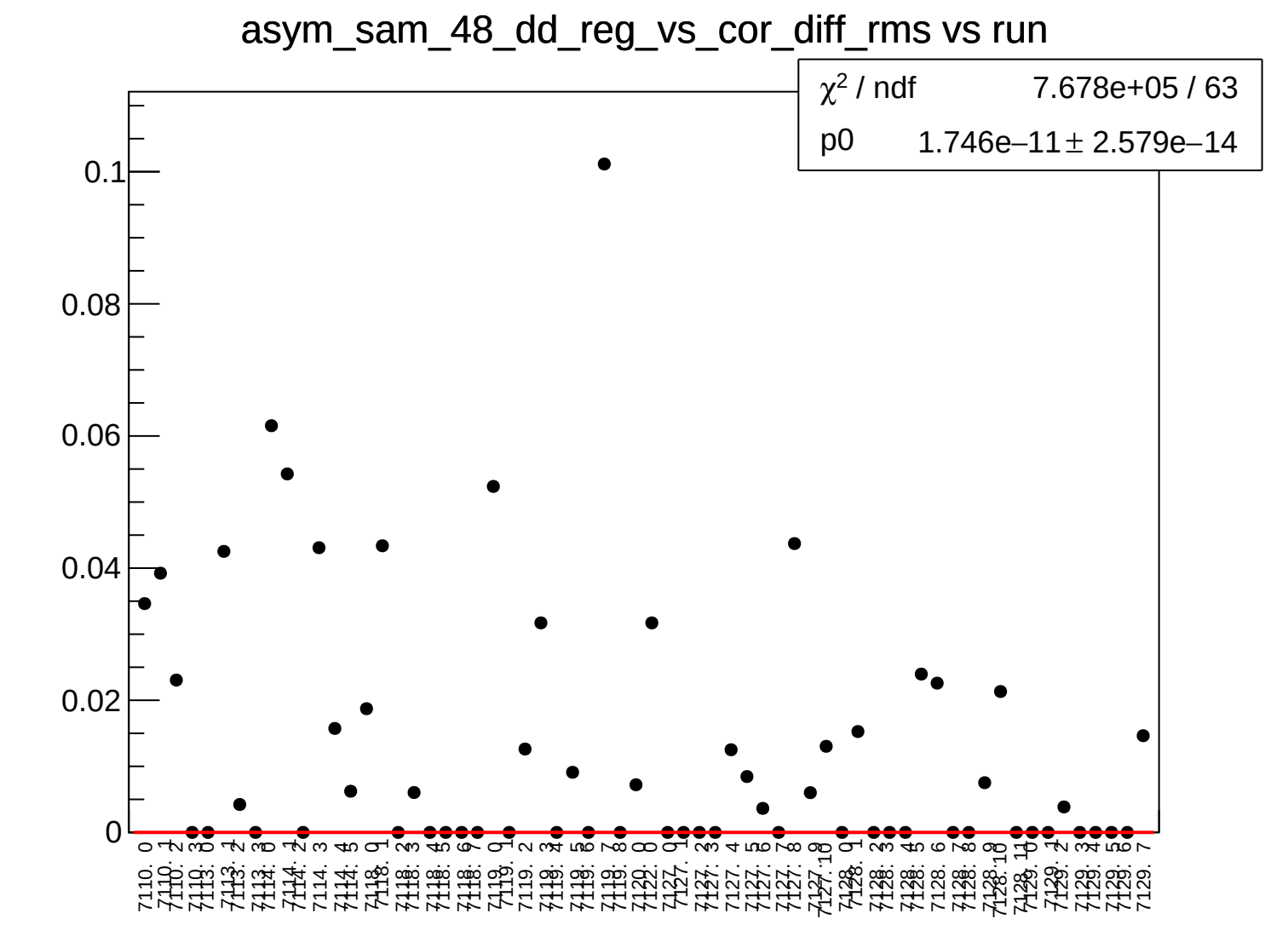

asym_sam_48_dd_mean vs run
χ² / ndf 58.53 / 63
p0 2581 ± 1217
pull
Entries 64
Mean −292.6
Std Dev 0

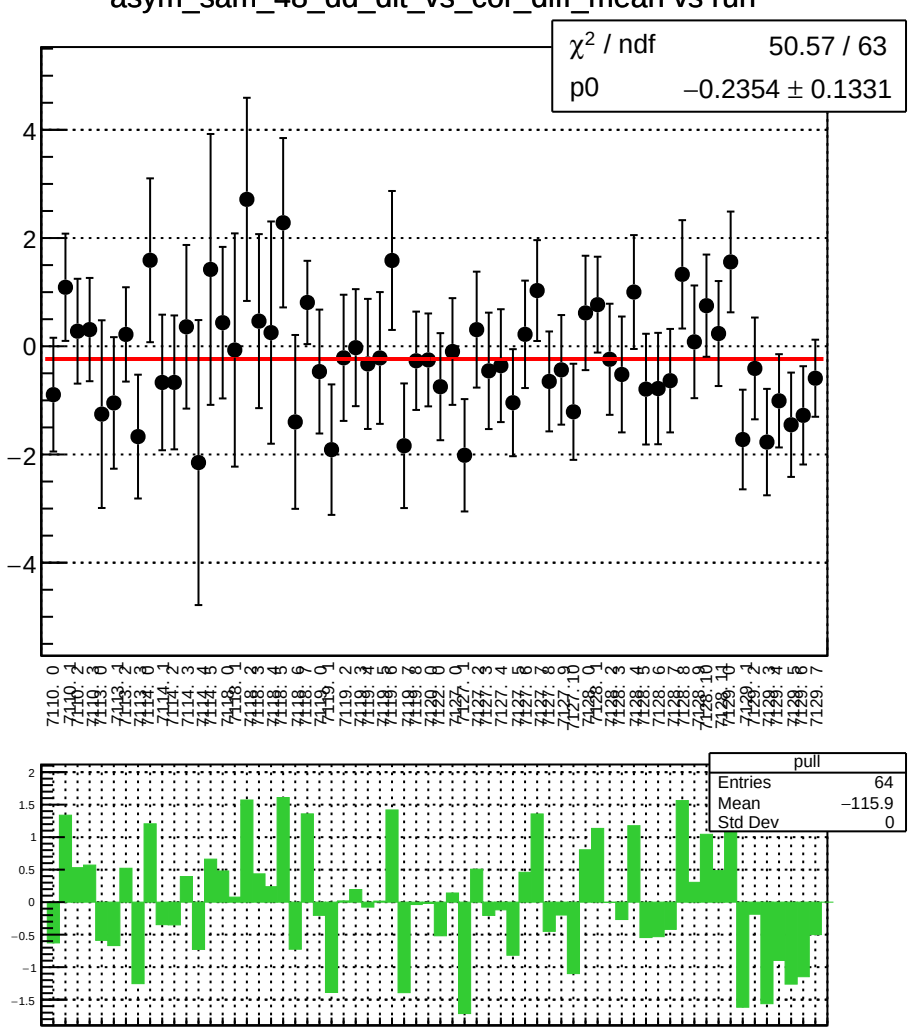

pull1D
Entries 64
Mean −0.009984
Std Dev 0.9563

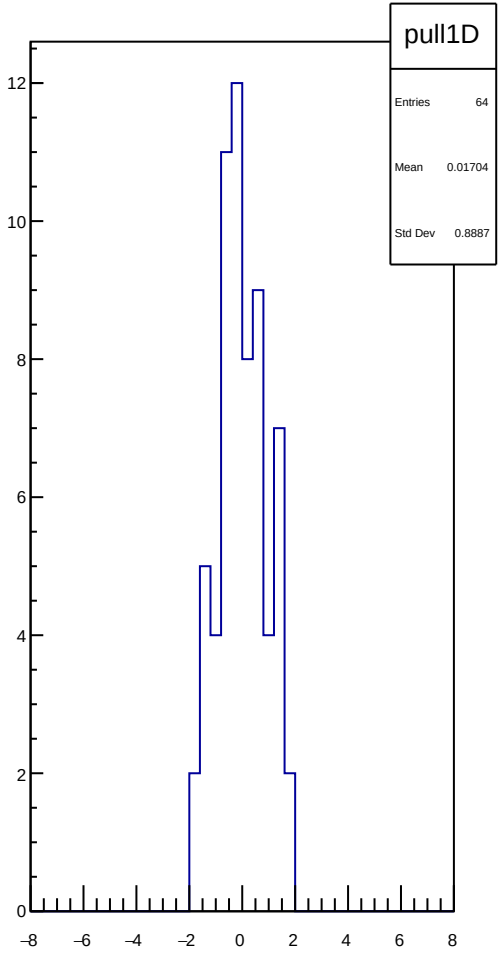

asym_sam_48_dd_rms vs run
χ² / ndf 6608 / 63
p0 950.3 ± 0.8605
1150
1100
1050
1000
950
900
850

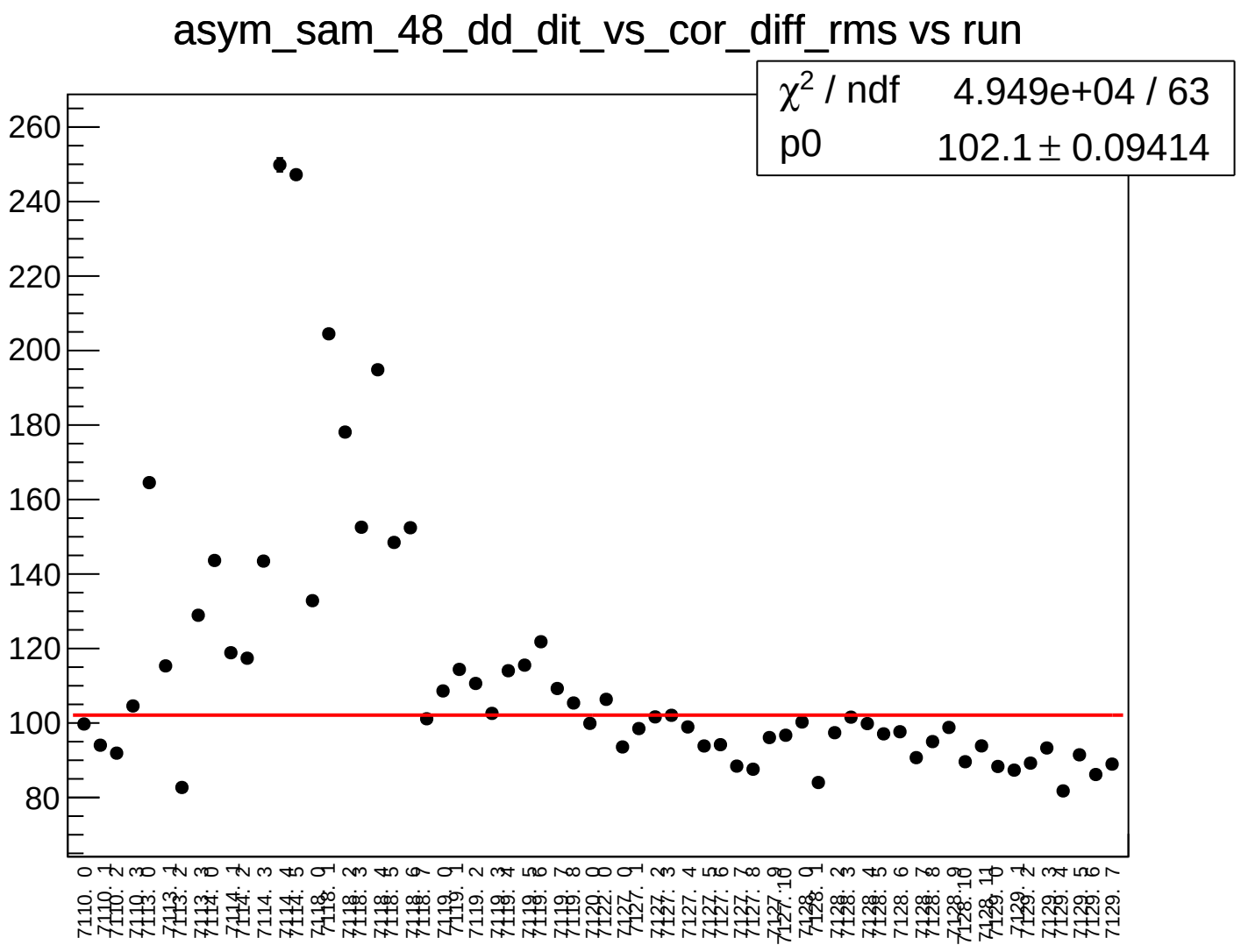

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.86 / 63
p0 −1.566e−14 ± 3.648e−14
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 63.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

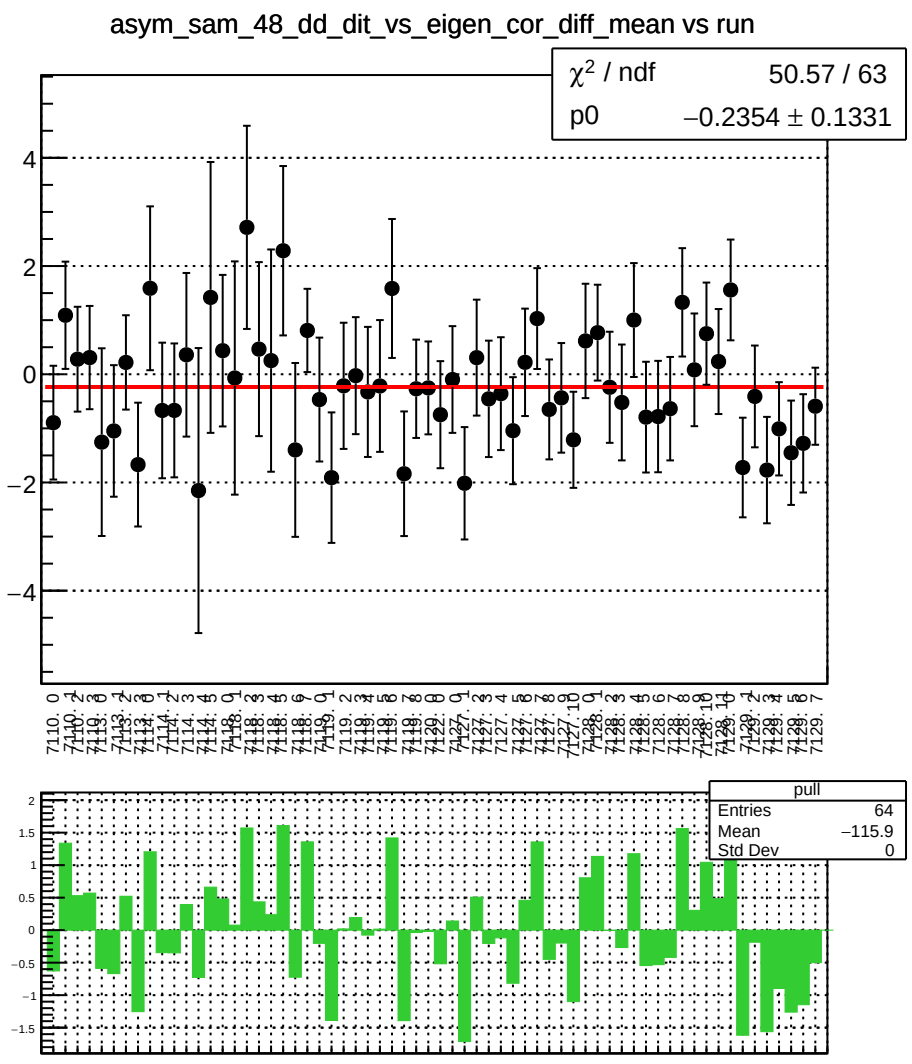

pull1D
Entries 64
Mean −0.06323
Std Dev 0.8892
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

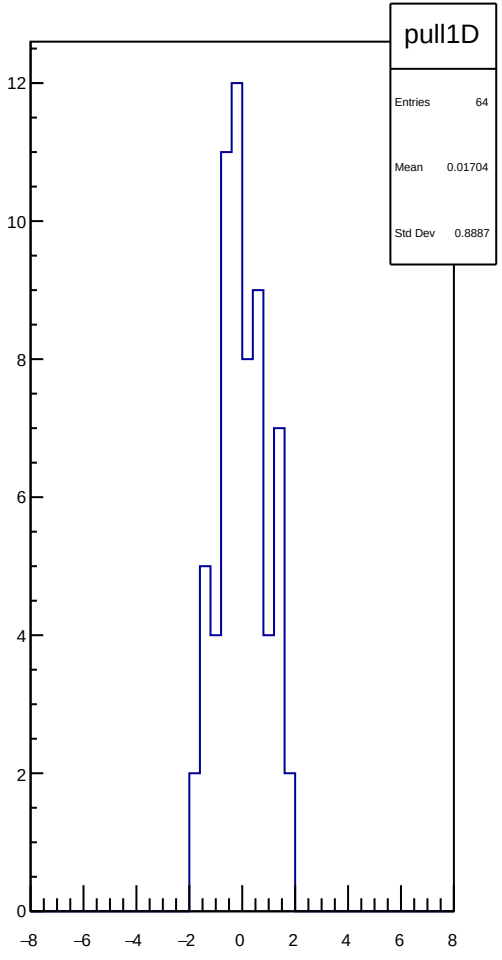

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.678e+05 / 63
p0 1.746e−11 ± 2.579e−14
0.1
0.08
0.06
0.04
0.02
0

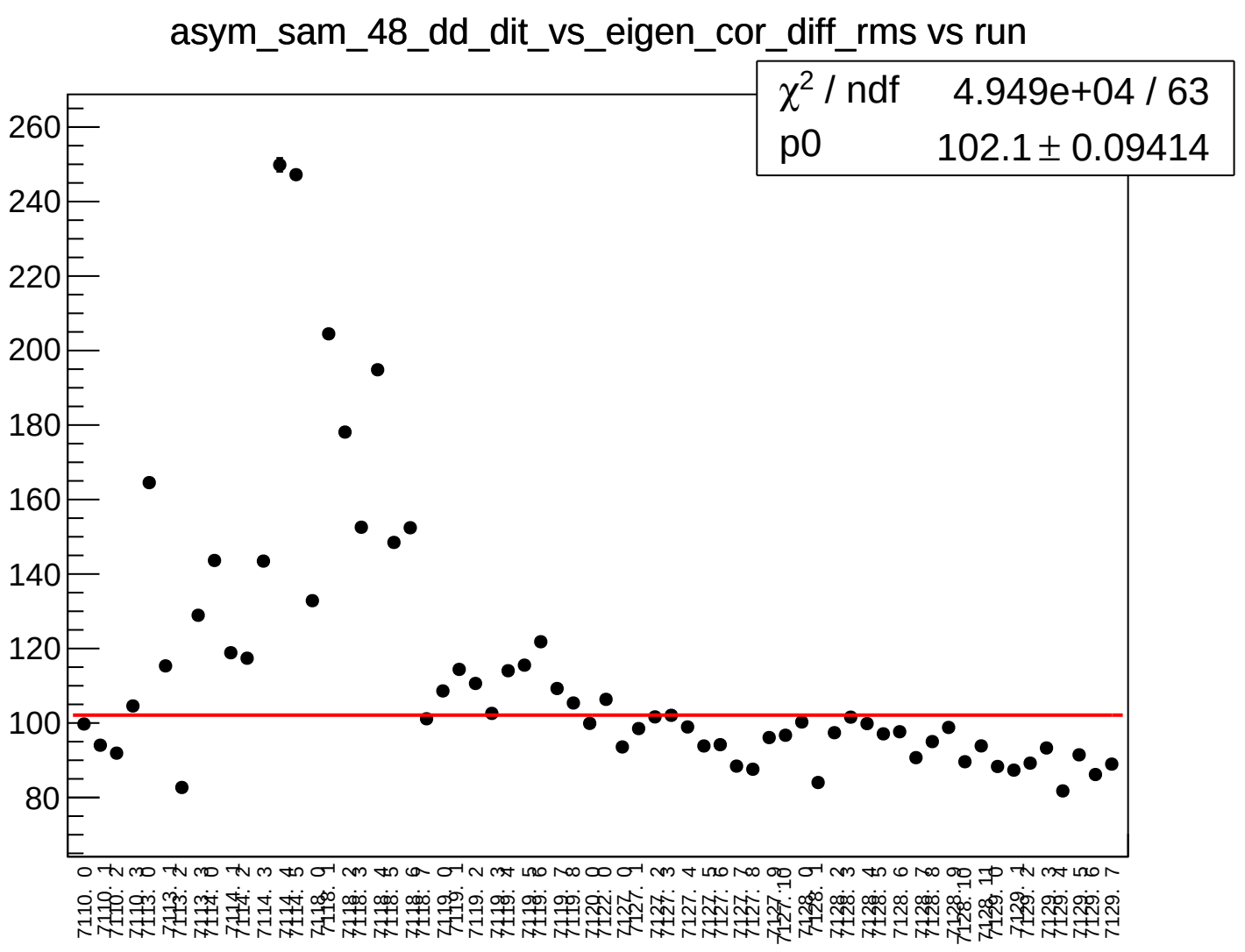

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.57 / 63
p0 −0.2354 ± 0.1331
pull
Entries 64
Mean −115.9
Std Dev 0

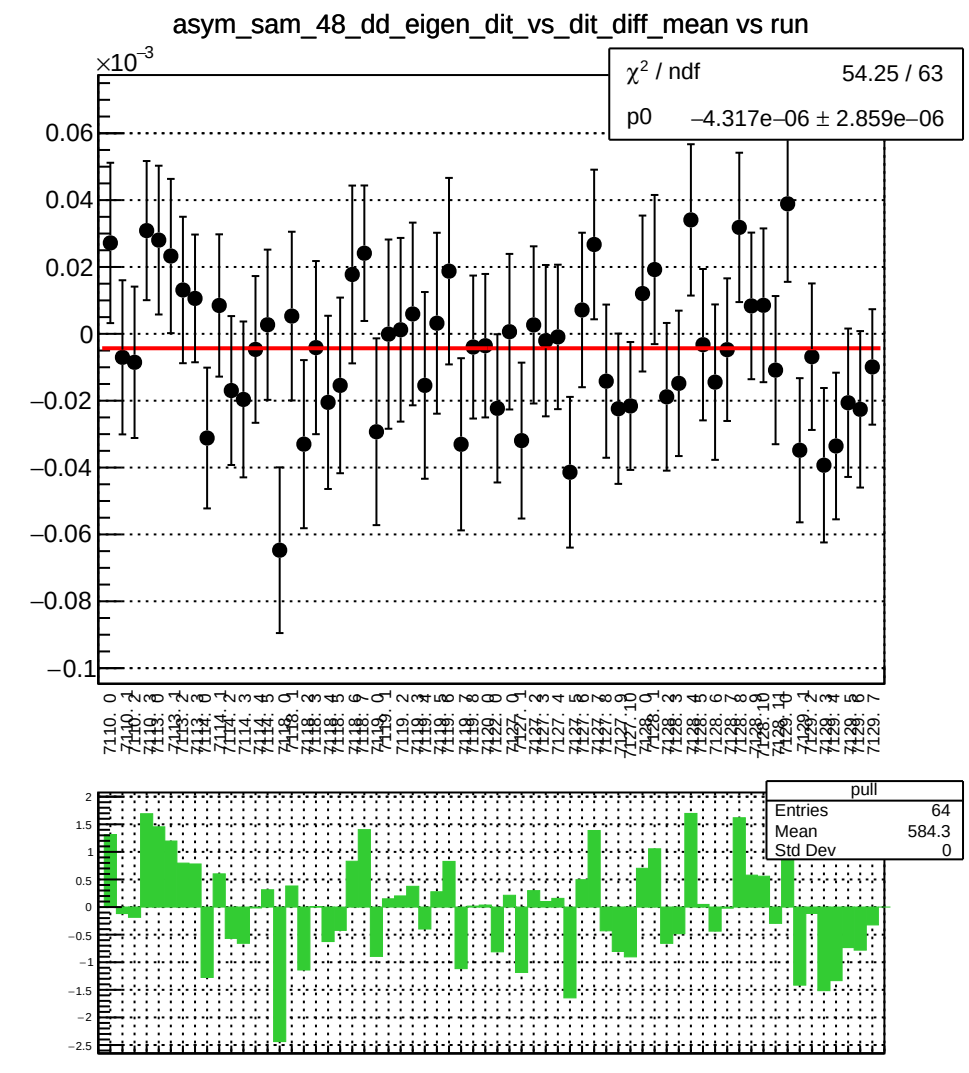

pull1D
Entries 64
Mean 0.01704
Std Dev 0.8887

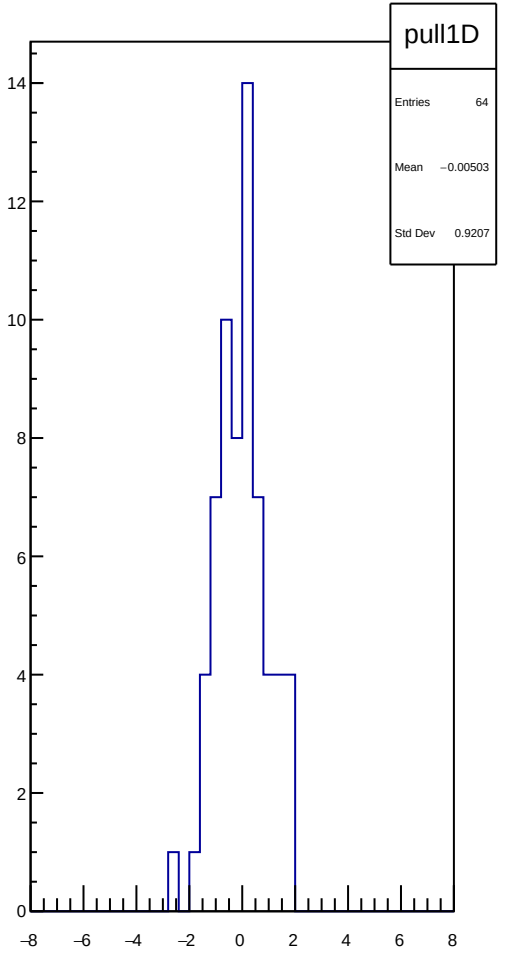

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.949e+04 / 63
p0 102.1 ± 0.09414
260
240
220
200
180
160
140
120
100
80

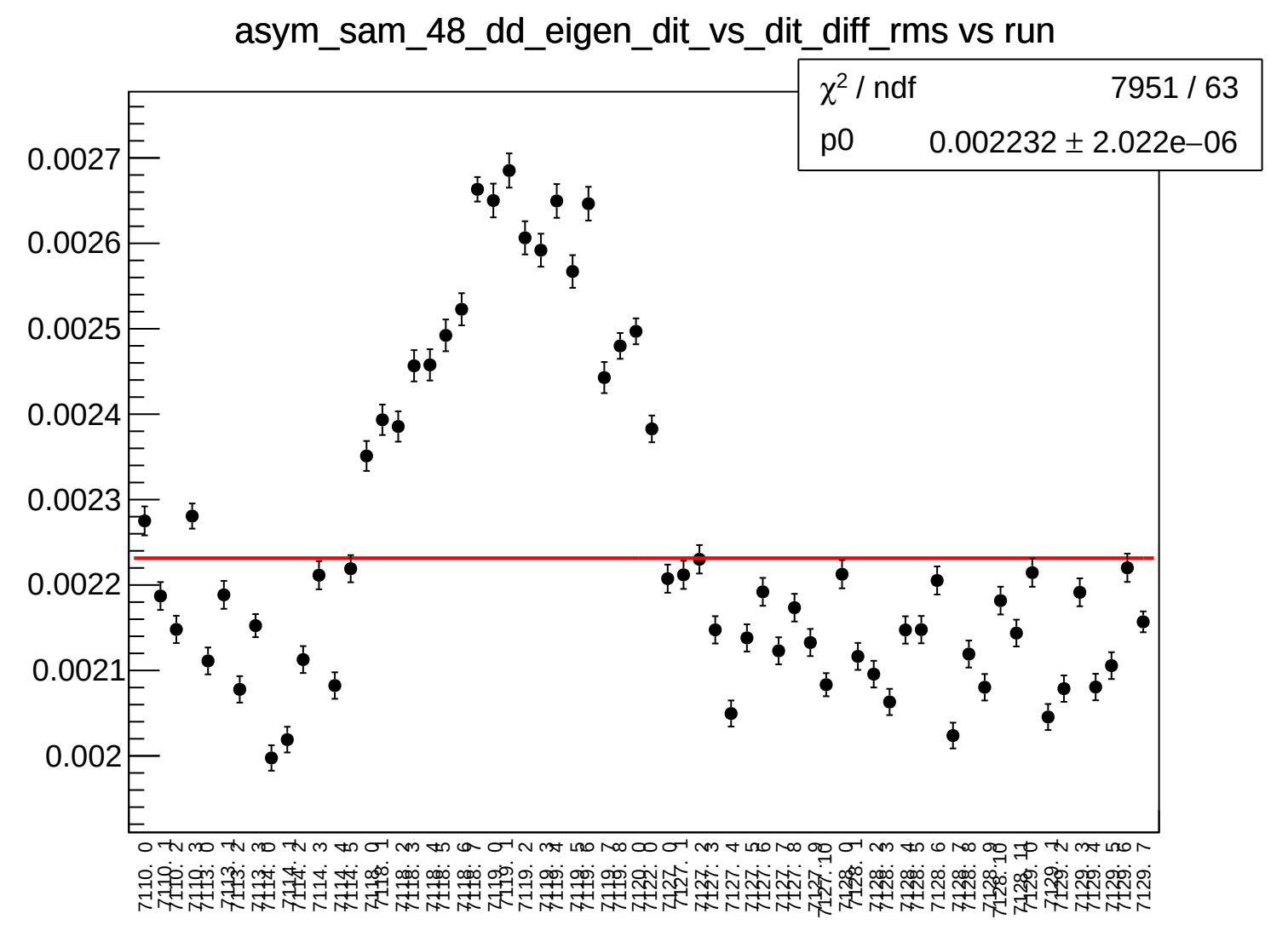

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.57 / 63
p0 −0.2354 ± 0.1331
pull
Entries 64
Mean −115.9
Std Dev 0

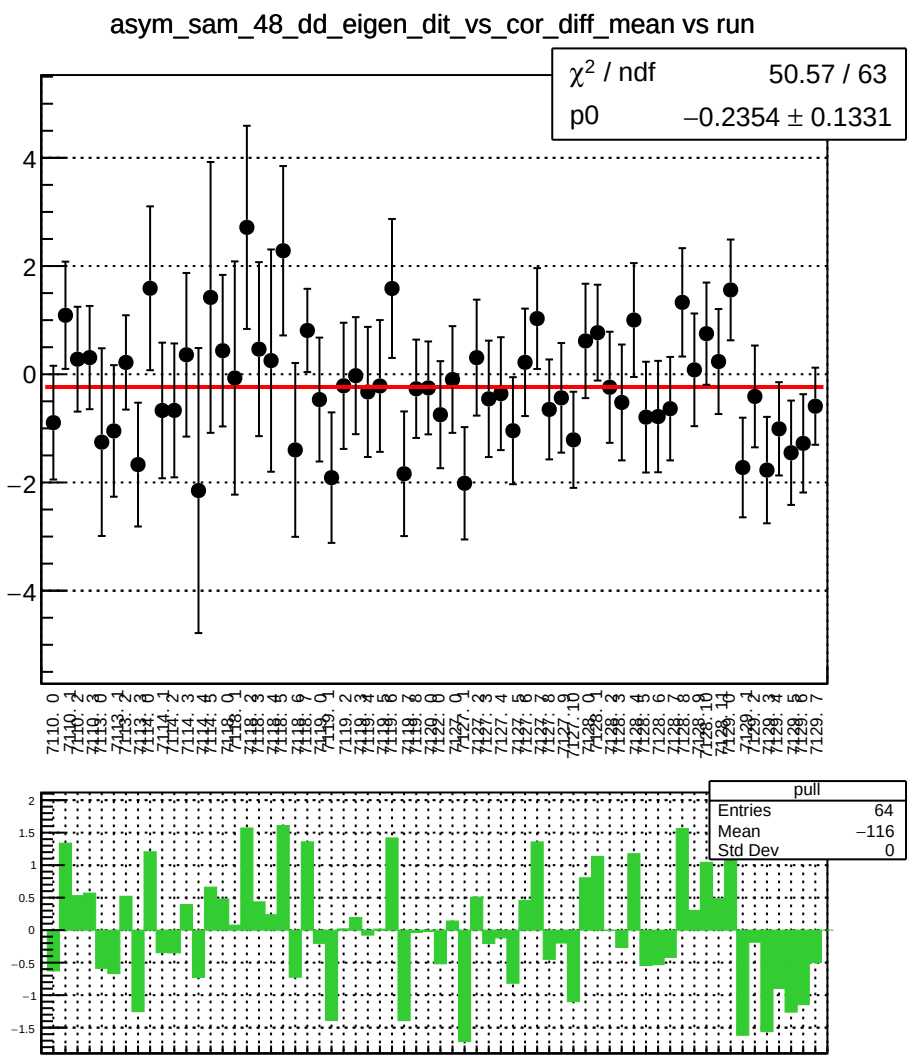

pull1D
Entries 64
Mean 0.01704
Std Dev 0.8887

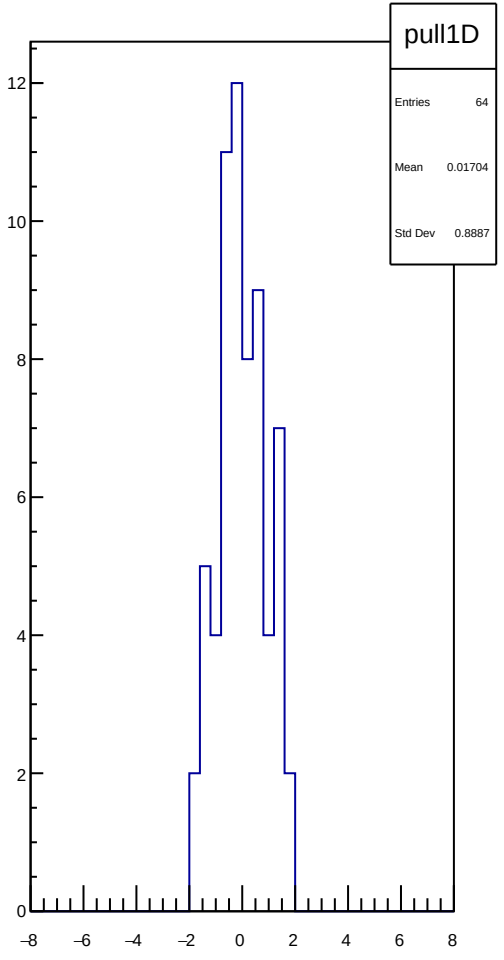

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.949e+04 / 63
p0 102.1 ± 0.09414
260
240
220
200
180
160
140
120
100
80

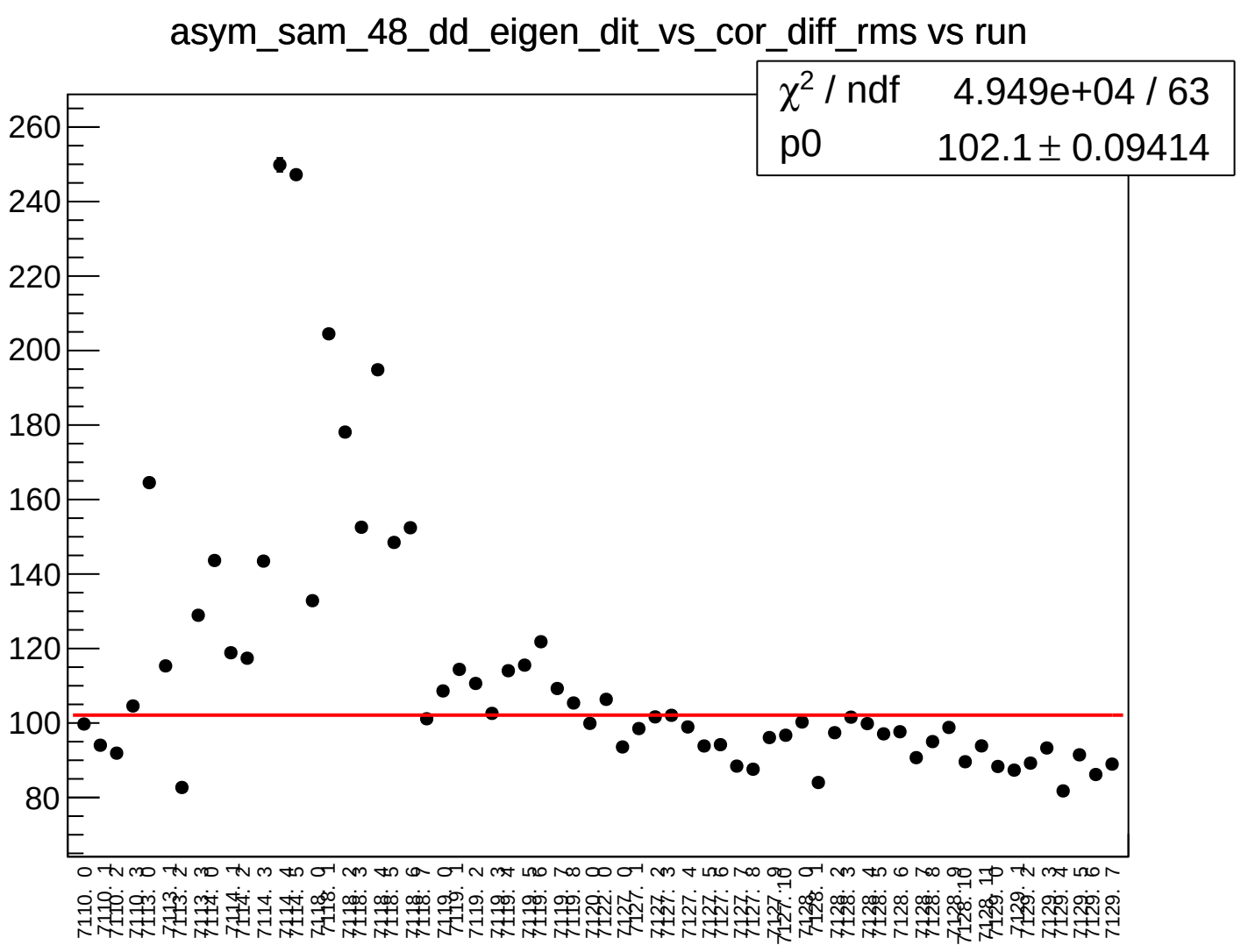

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.25 / 63
p0 −4.317e−06 ± 2.859e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 64
Mean 584.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

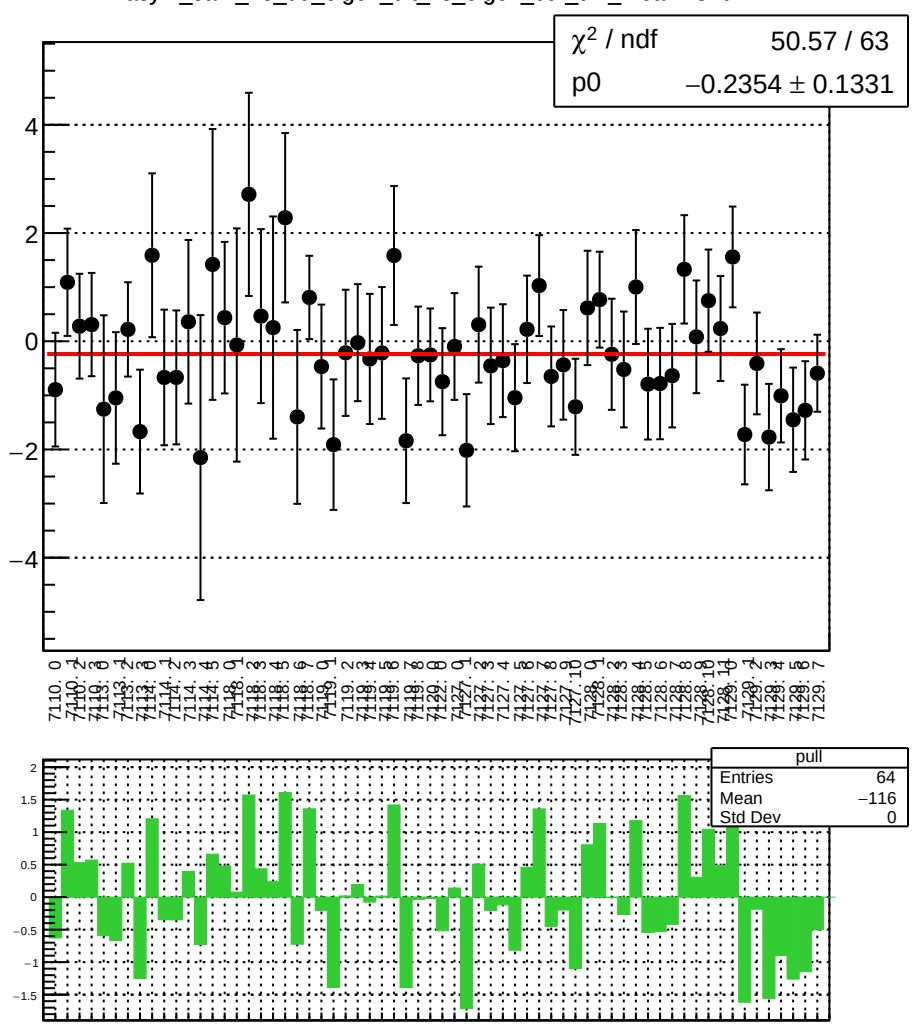

pull1D
Entries 64
Mean −0.00503
Std Dev 0.9207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

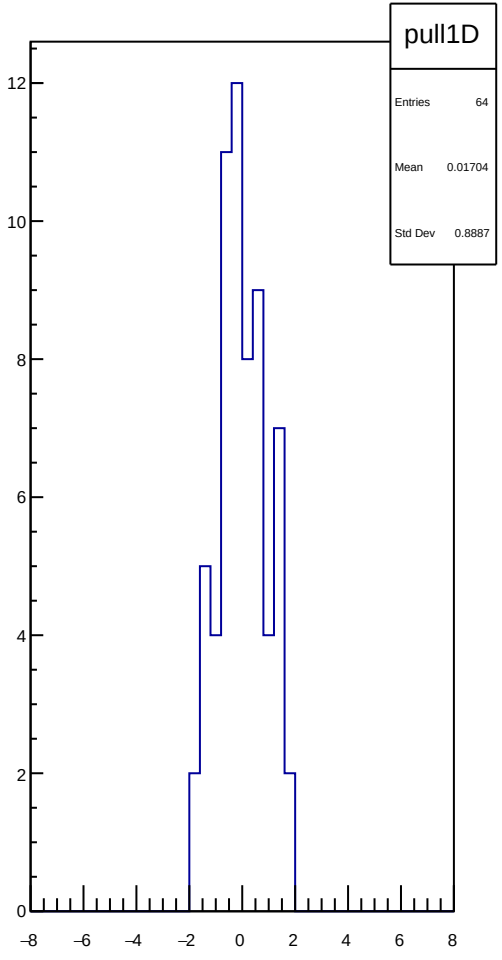

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7951 / 63
p0 0.002232 ± 2.022e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

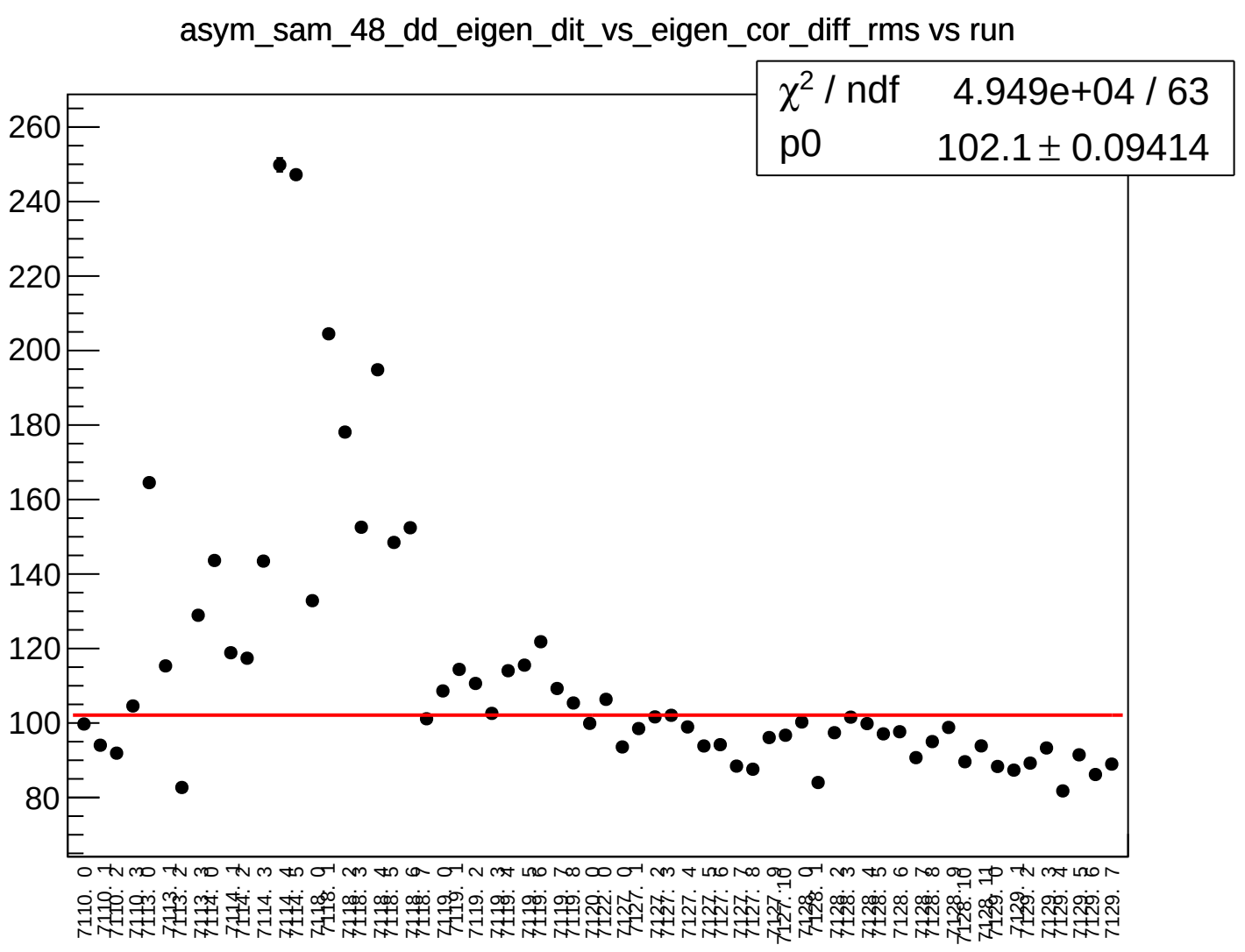

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.57 / 63
p0 −0.2354 ± 0.1331
pull
Entries 64
Mean −116
Std Dev 0

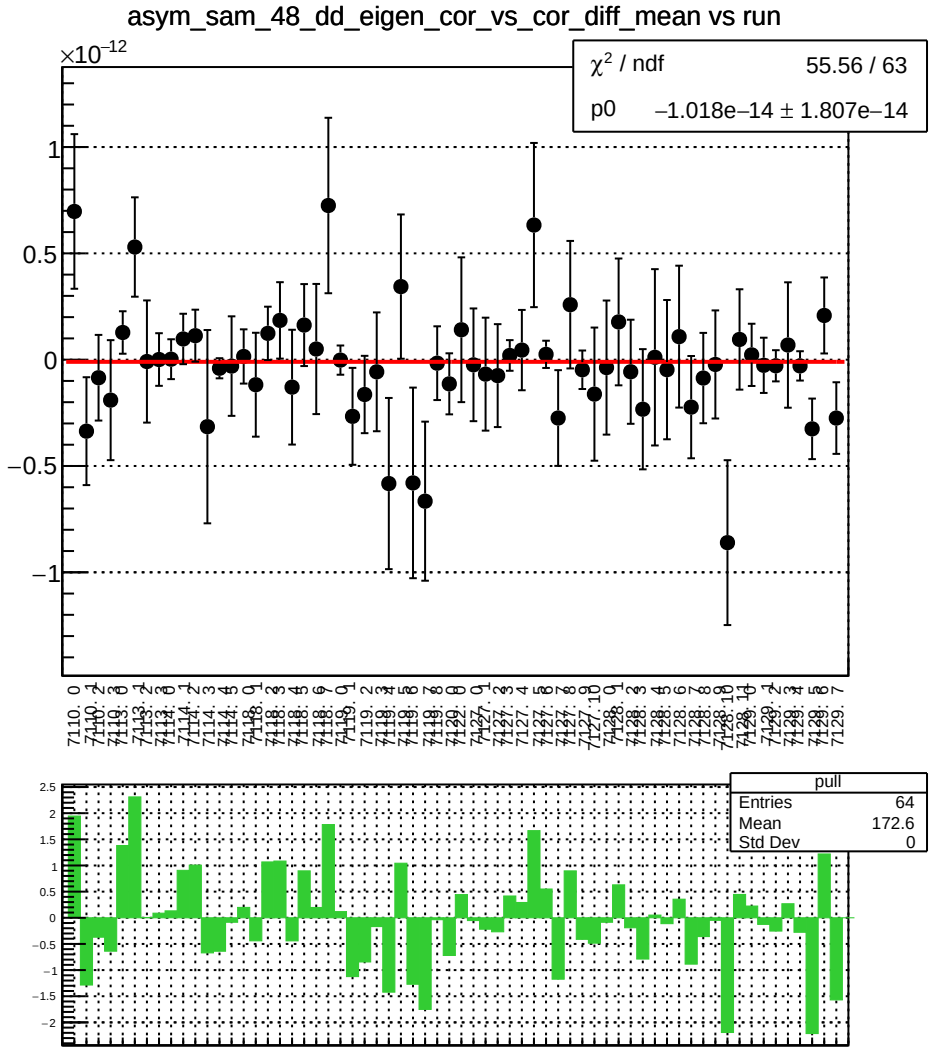

pull1D
Entries 64
Mean 0.01704
Std Dev 0.8887

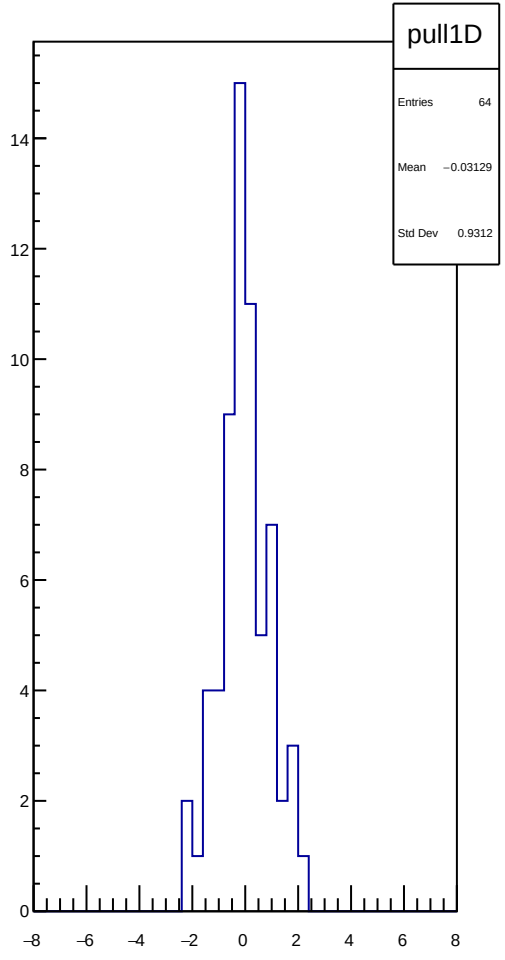

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.949e+04 / 63
p0 102.1 ± 0.09414
260
240
220
200
180
160
140
120
100
80

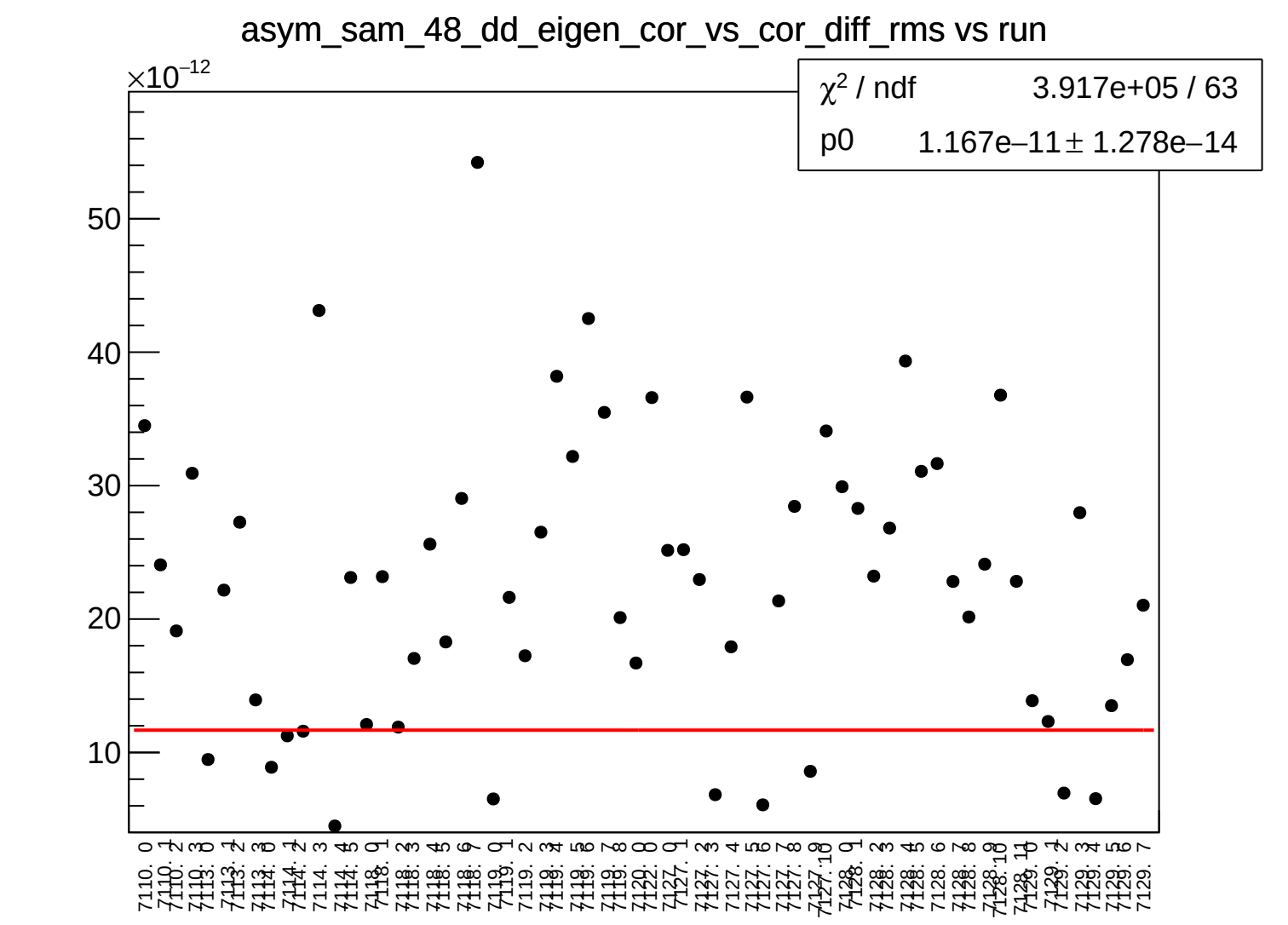

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.57 / 63
p0 −0.2354 ± 0.1331
pull
Entries 64
Mean −116
Std Dev 0

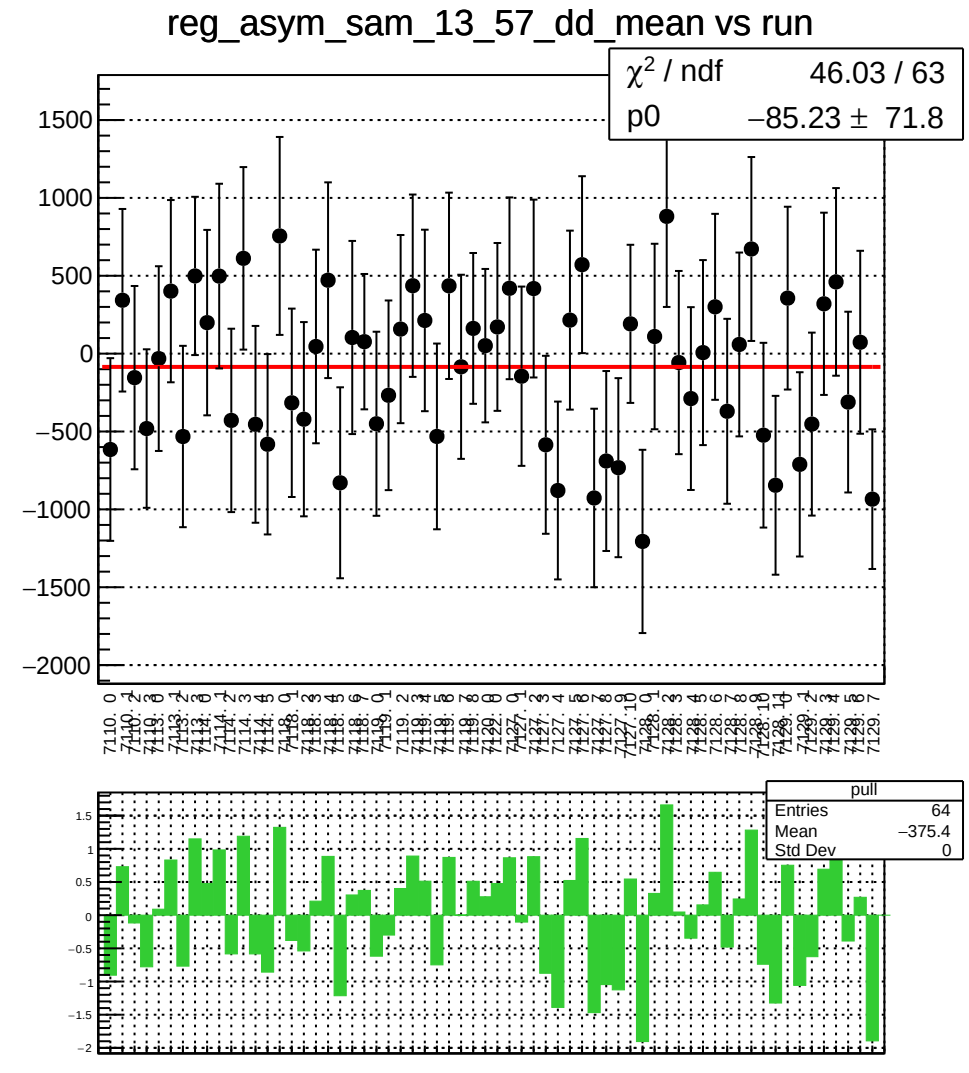

pull1D
Entries 64
Mean 0.01704
Std Dev 0.8887

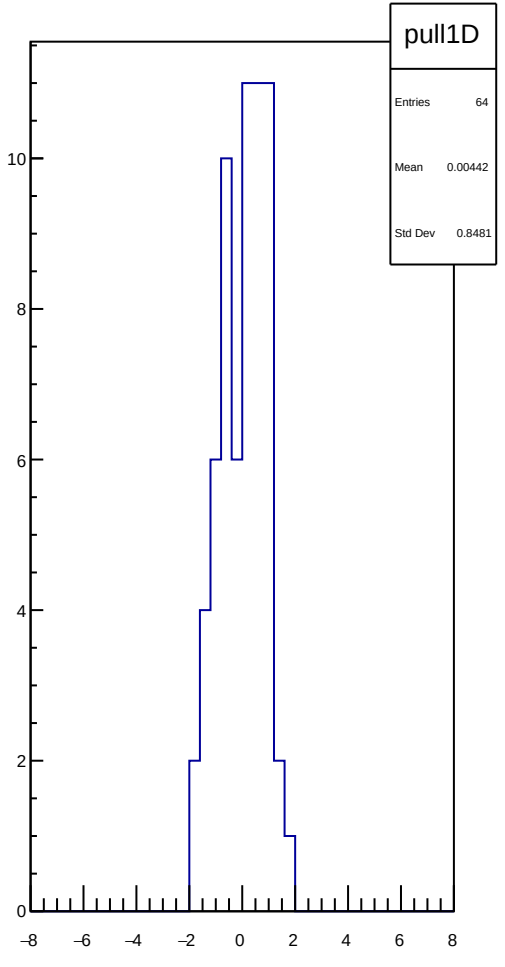

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.949e+04 / 63
p0 102.1 ± 0.09414
260
240
220
200
180
160
140
120
100
80

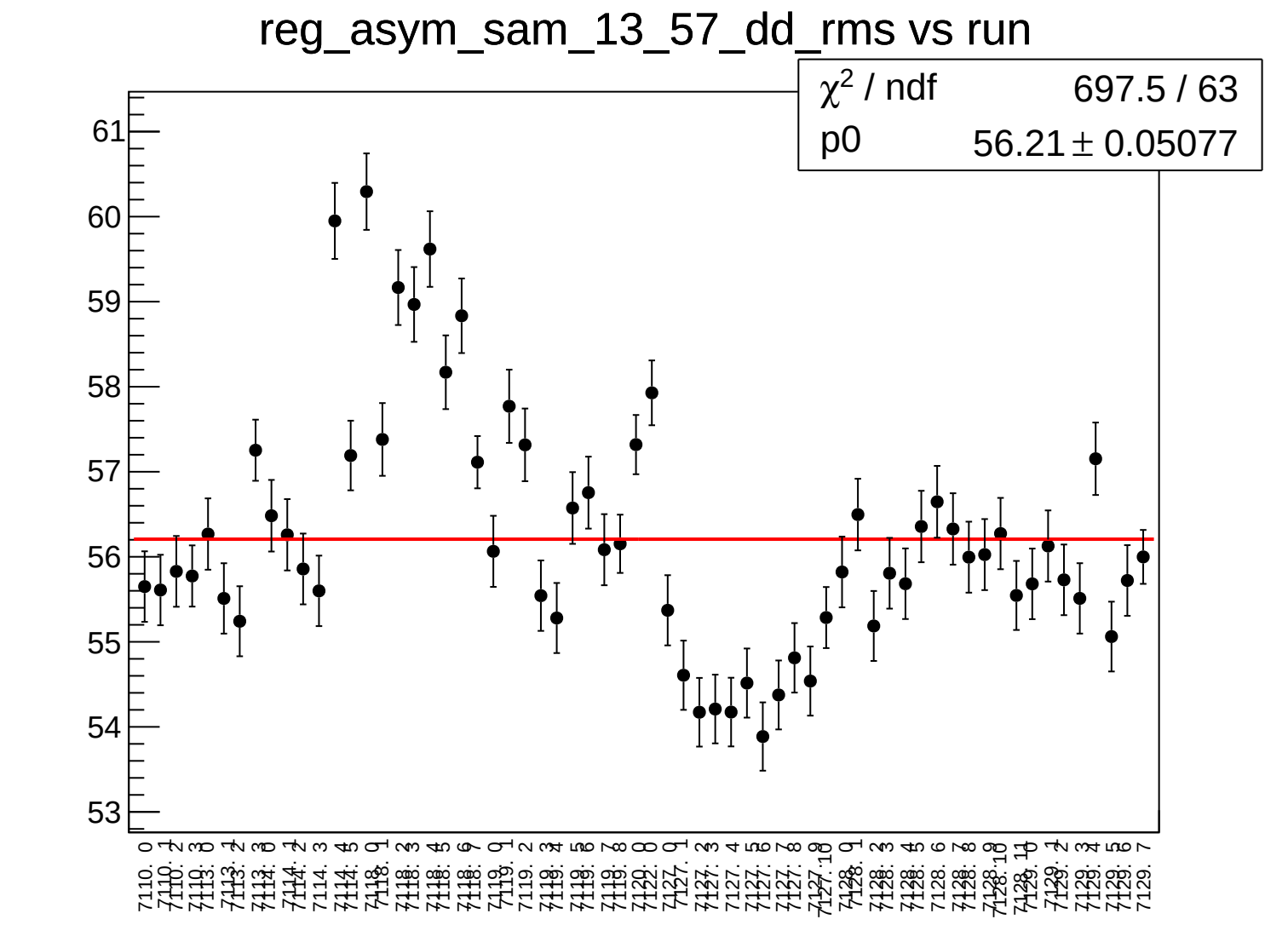

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.56 / 63
p0 −1.018e−14 ± 1.807e−14
pull
Entries 64
Mean 172.6
Std Dev 0

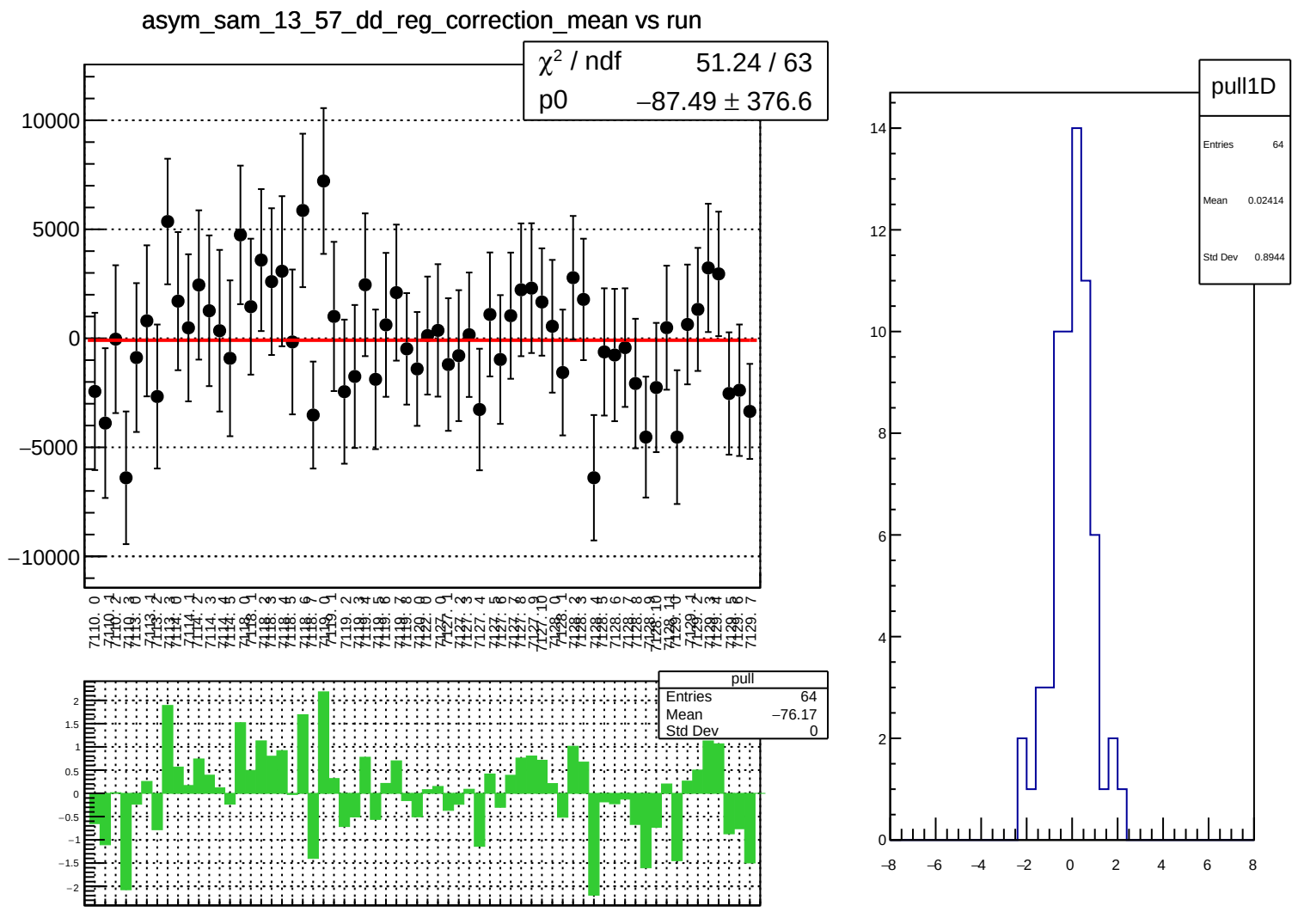

pull1D
Entries 64
Mean −0.03129
Std Dev 0.9312

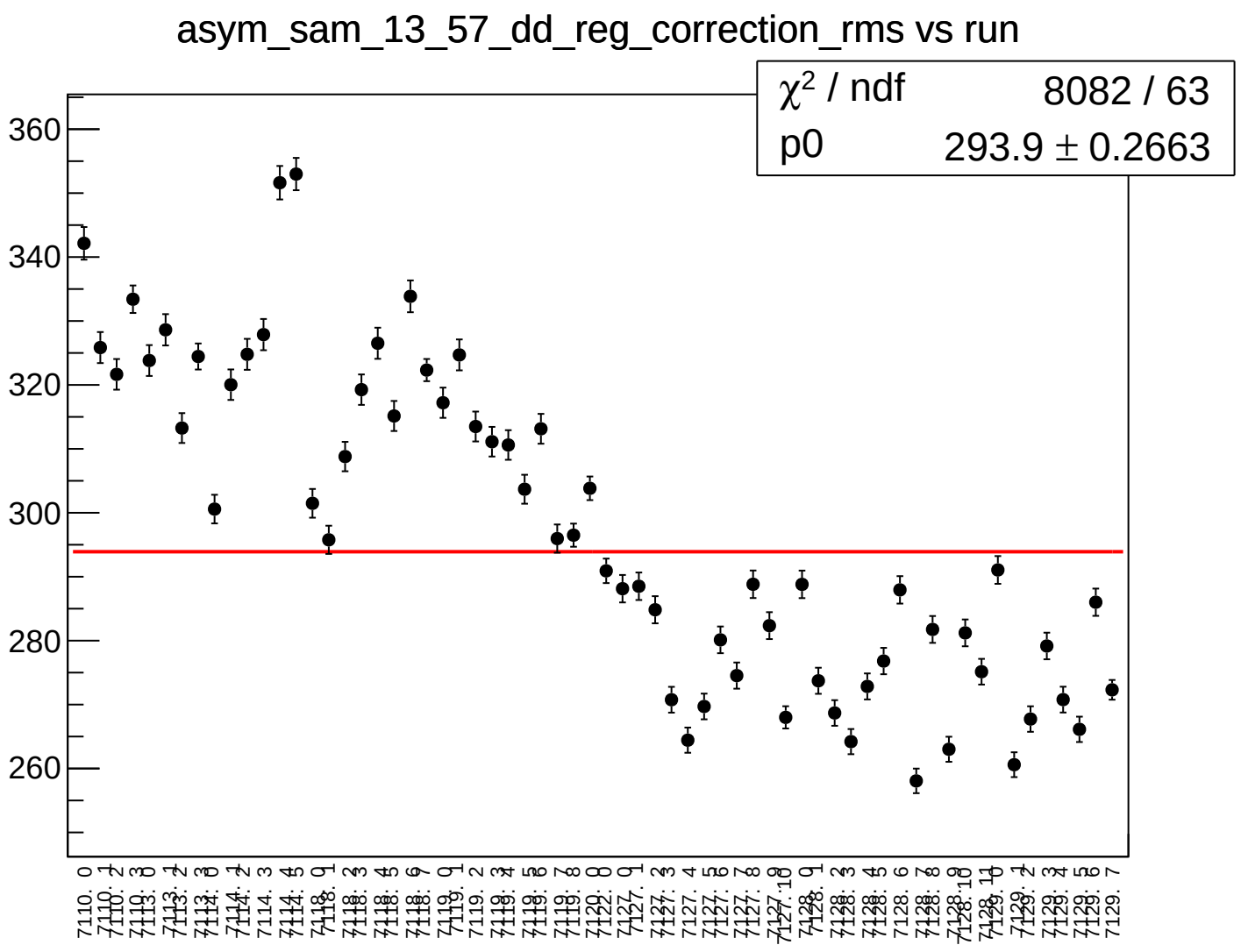

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.917e+05 / 63
p0 1.167e−11 ± 1.278e−14
50
40
30
20
10

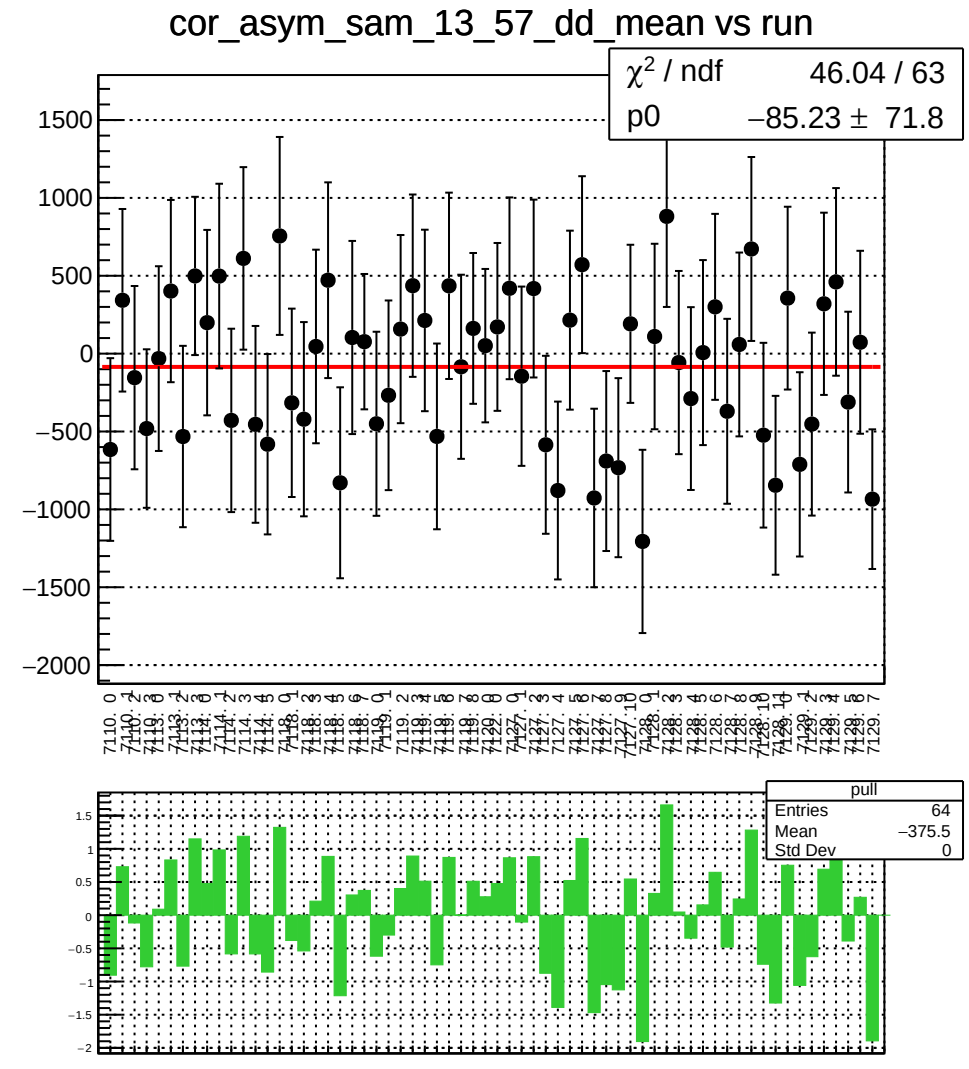

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 46.03 / 63
p0 −85.23 ± 71.8
pull
Entries 64
Mean −375.4
Std Dev 0

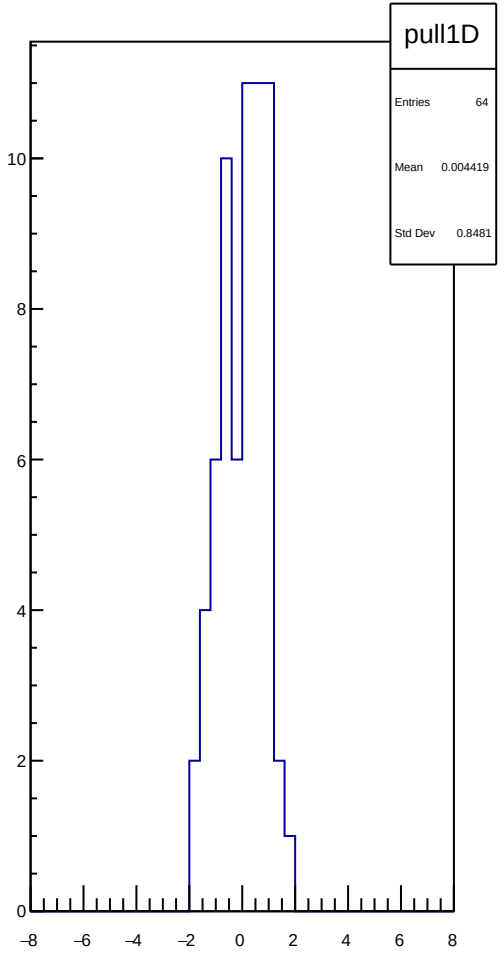

pull1D
Entries 64
Mean 0.00442
Std Dev 0.8481

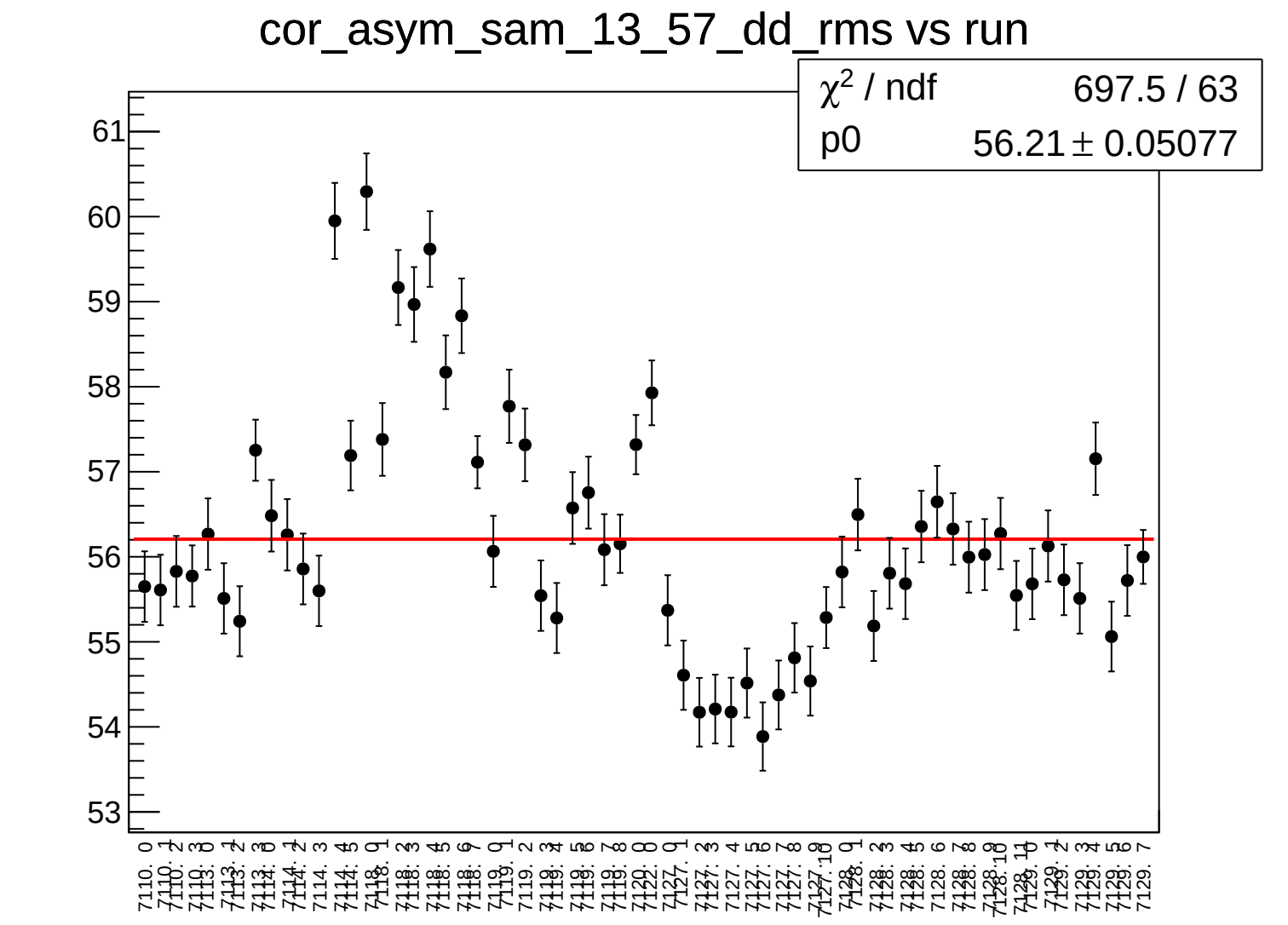

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 697.5 / 63
p0 56.21 ± 0.05077
61
60
59
58
57
56
55
54
53

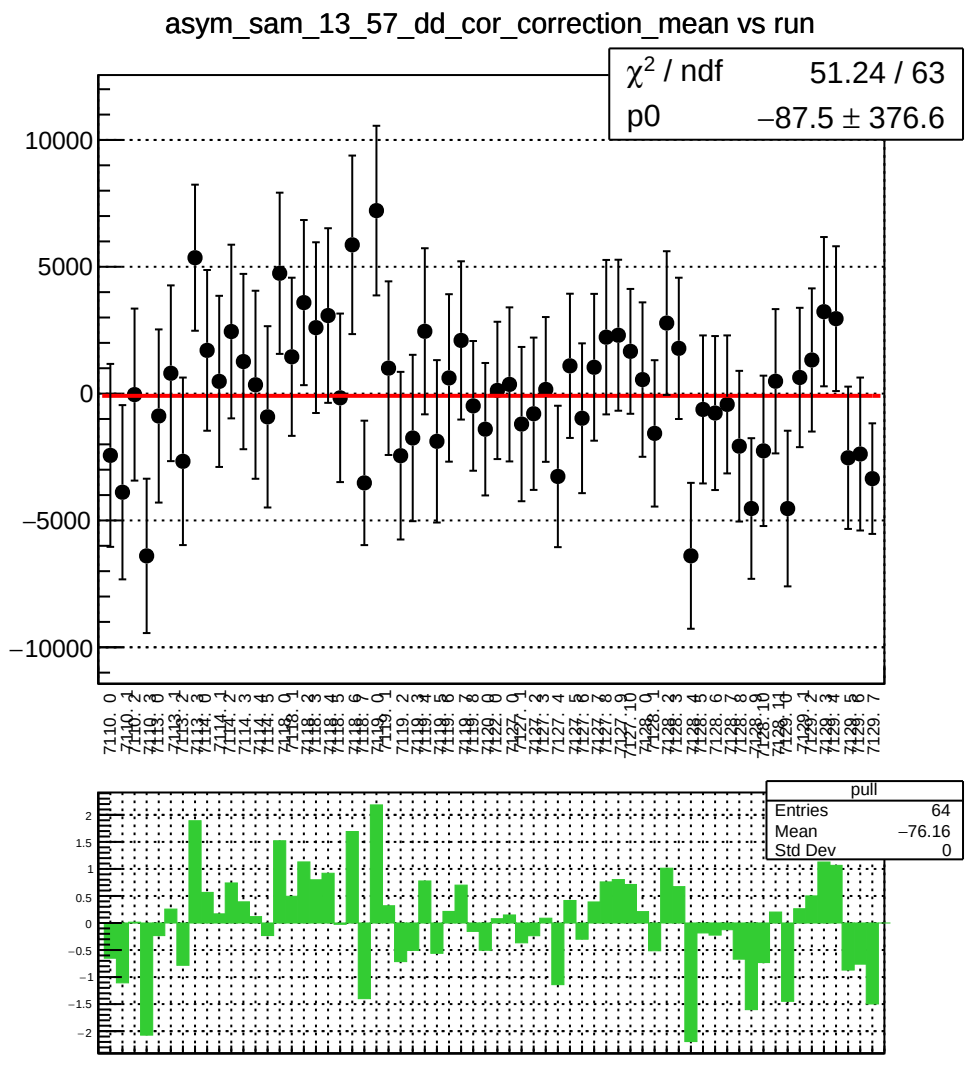

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 51.24 / 63
p0 −87.49 ± 376.6
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −76.17
Std Dev 0
pull1D
Entries 64
Mean 0.02414
Std Dev 0.8944

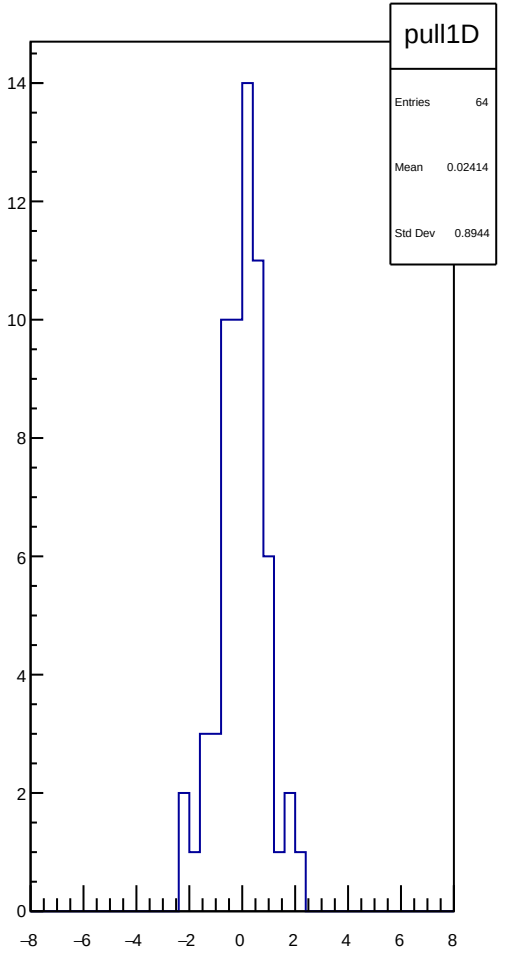

asym_sam_13_57_dd_reg_correction_rms vs run
χ^2 / ndf 8082 / 63
p0 293.9 ± 0.2663
360
340
320
300
280
260

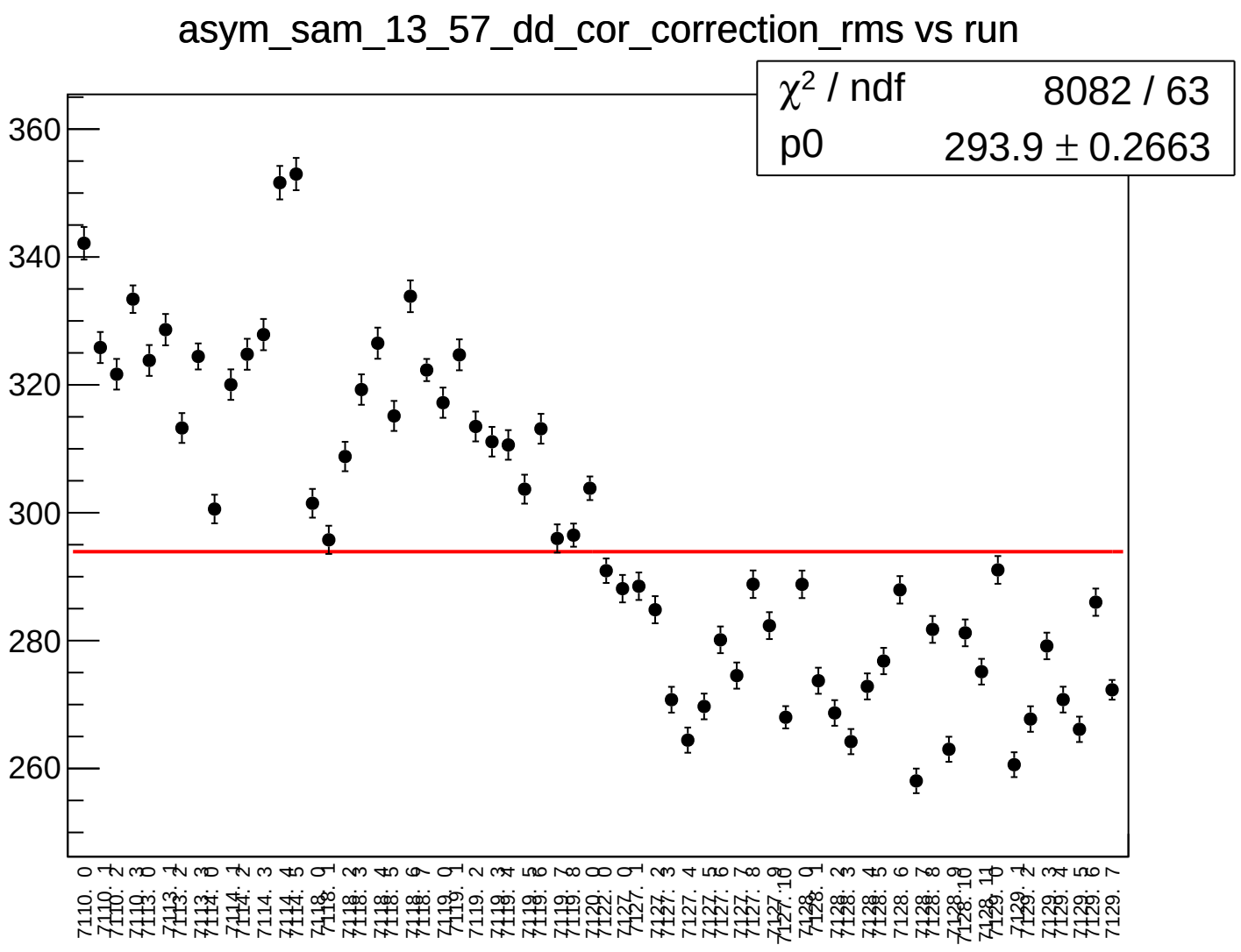

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 46.04 / 63
p0 −85.23 ± 71.8
pull
Entries 64
Mean −375.5
Std Dev 0

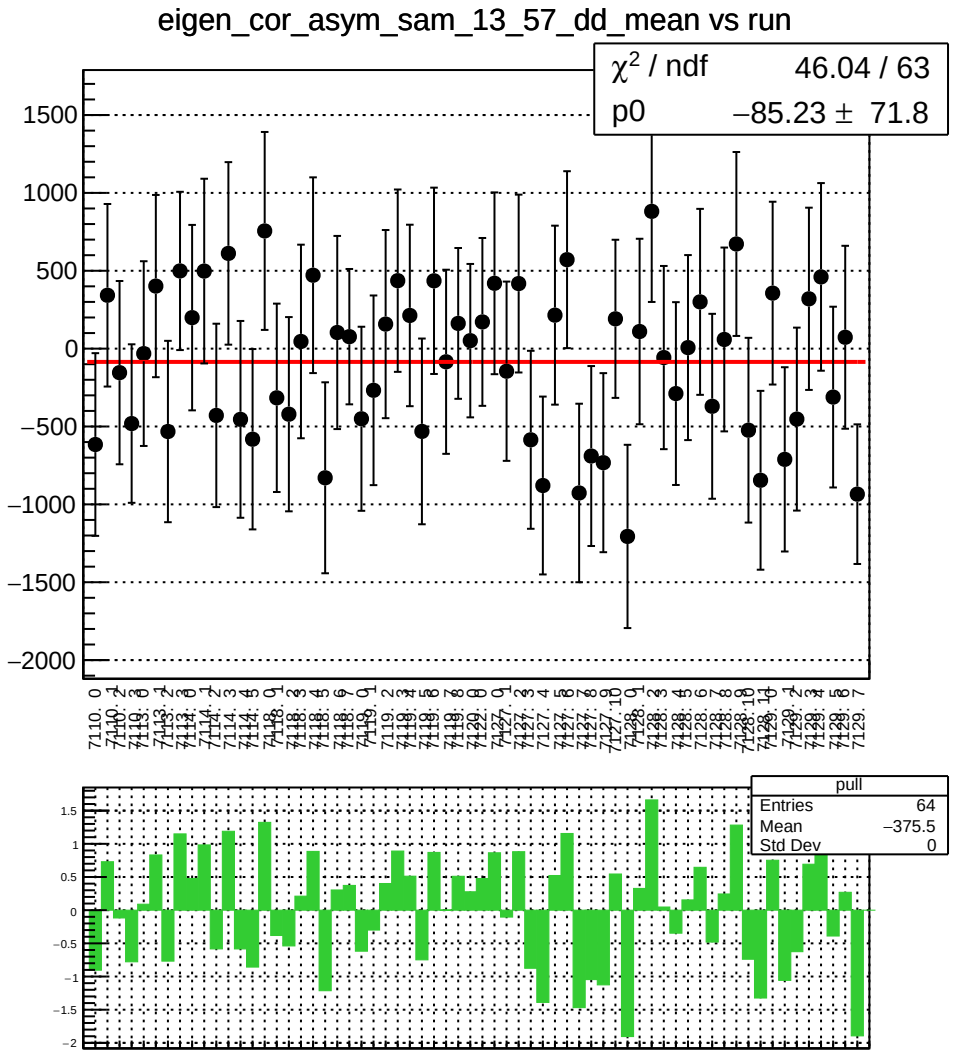

pull1D
Entries 64
Mean 0.004419
Std Dev 0.8481

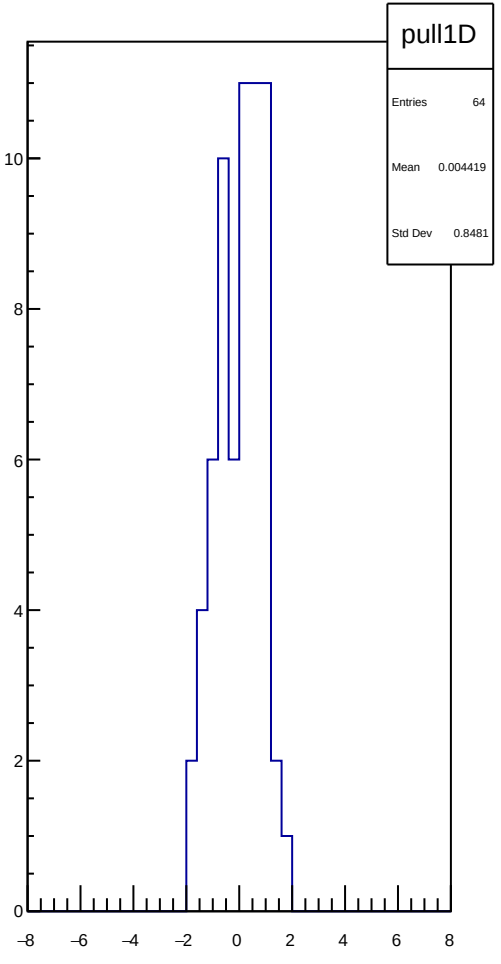

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 697.5 / 63
p0 56.21 ± 0.05077
61
60
59
58
57
56
55
54
53

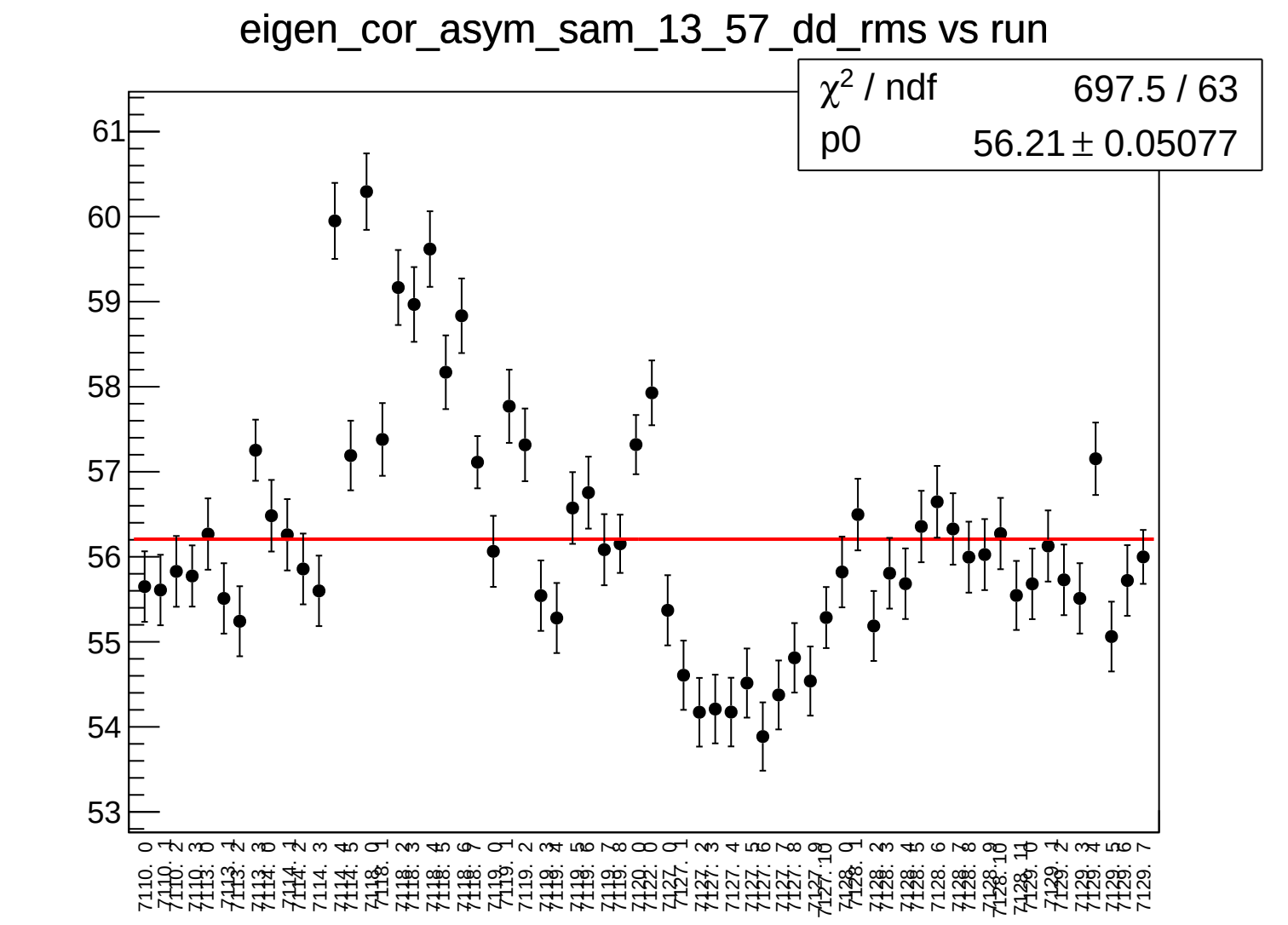

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 51.24 / 63
p0 −87.5 ± 376.6
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −76.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

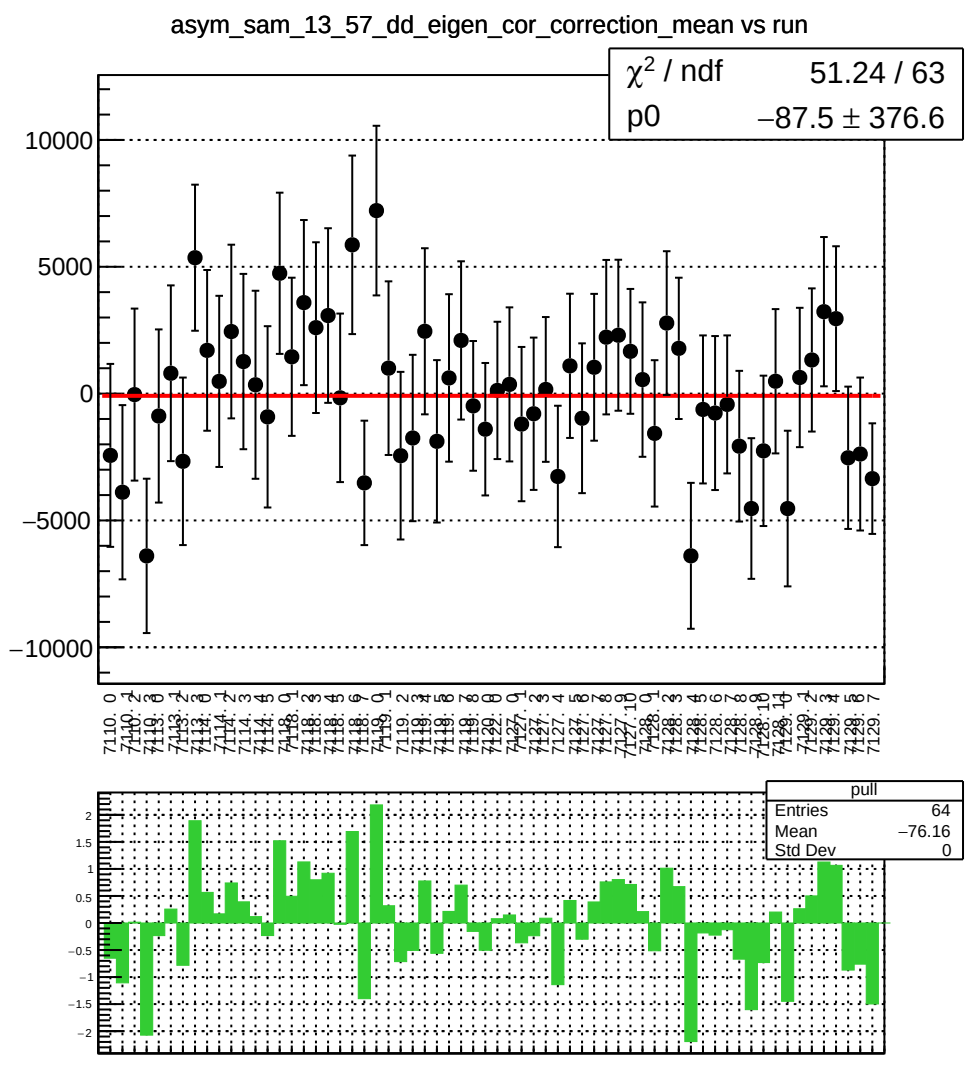

pull1D
Entries 64
Mean 0.02414
Std Dev 0.8944
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

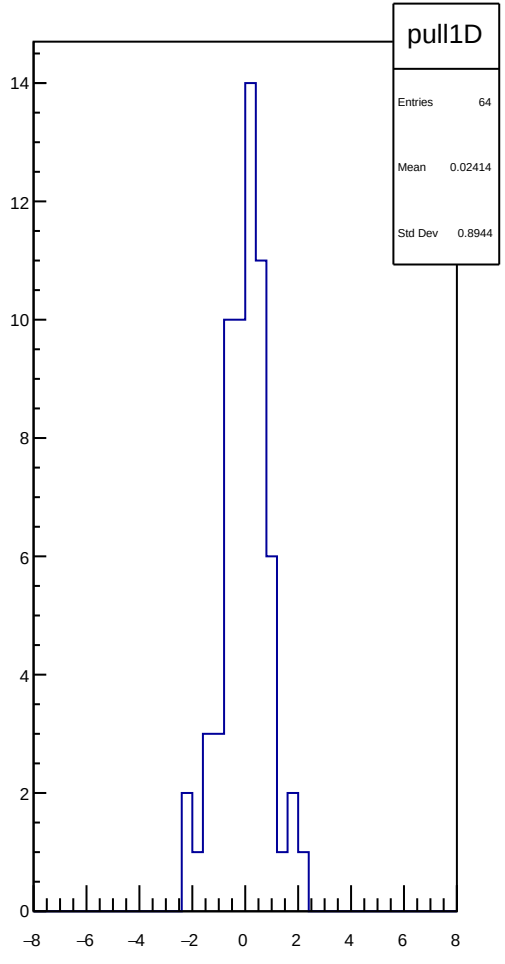

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 8082 / 63
p0 293.9 ± 0.2663
360
340
320
300
280
260

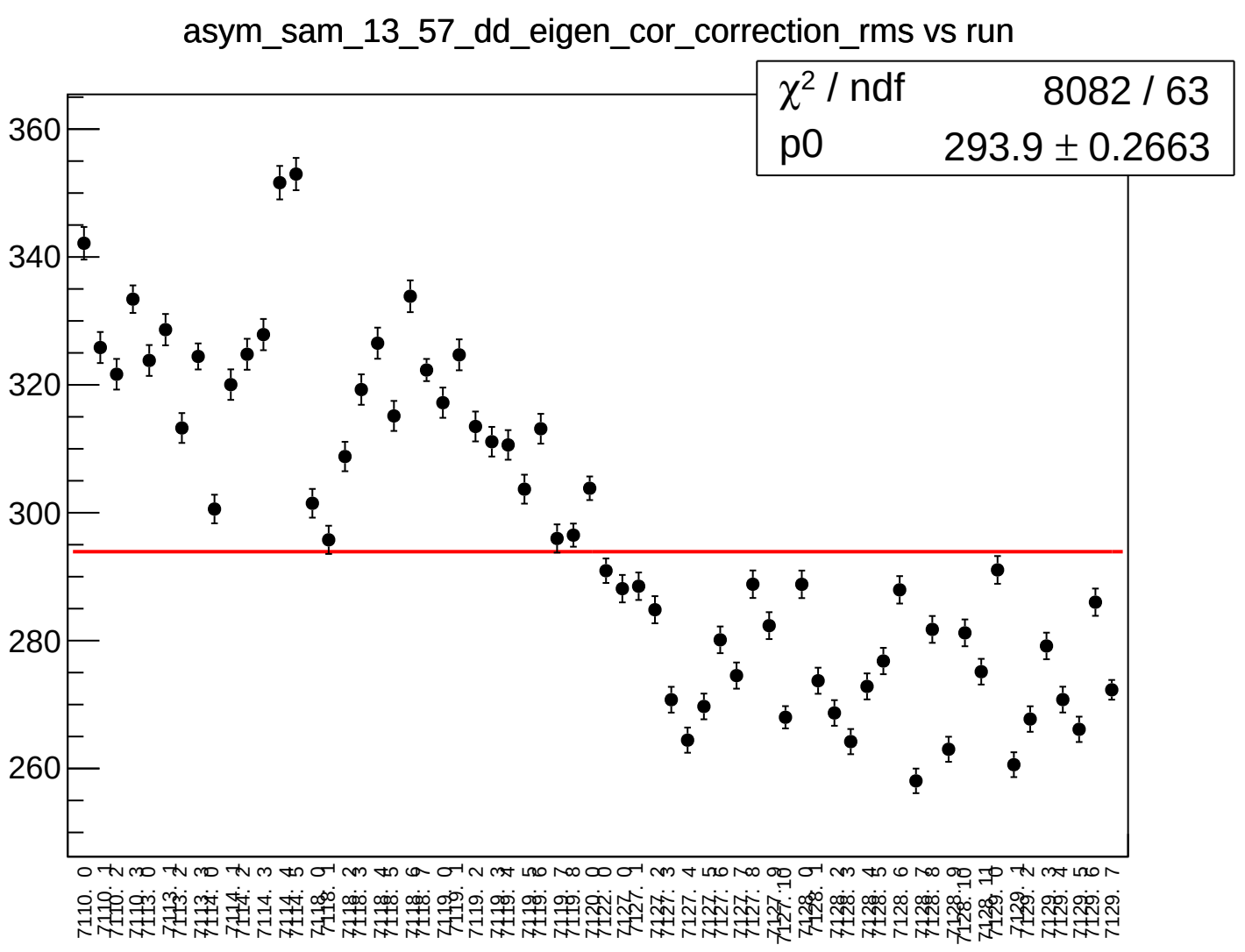

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 46.04 / 63
p0 −85.23 ± 71.8
pull
Entries 64
Mean −375.5
Std Dev 0

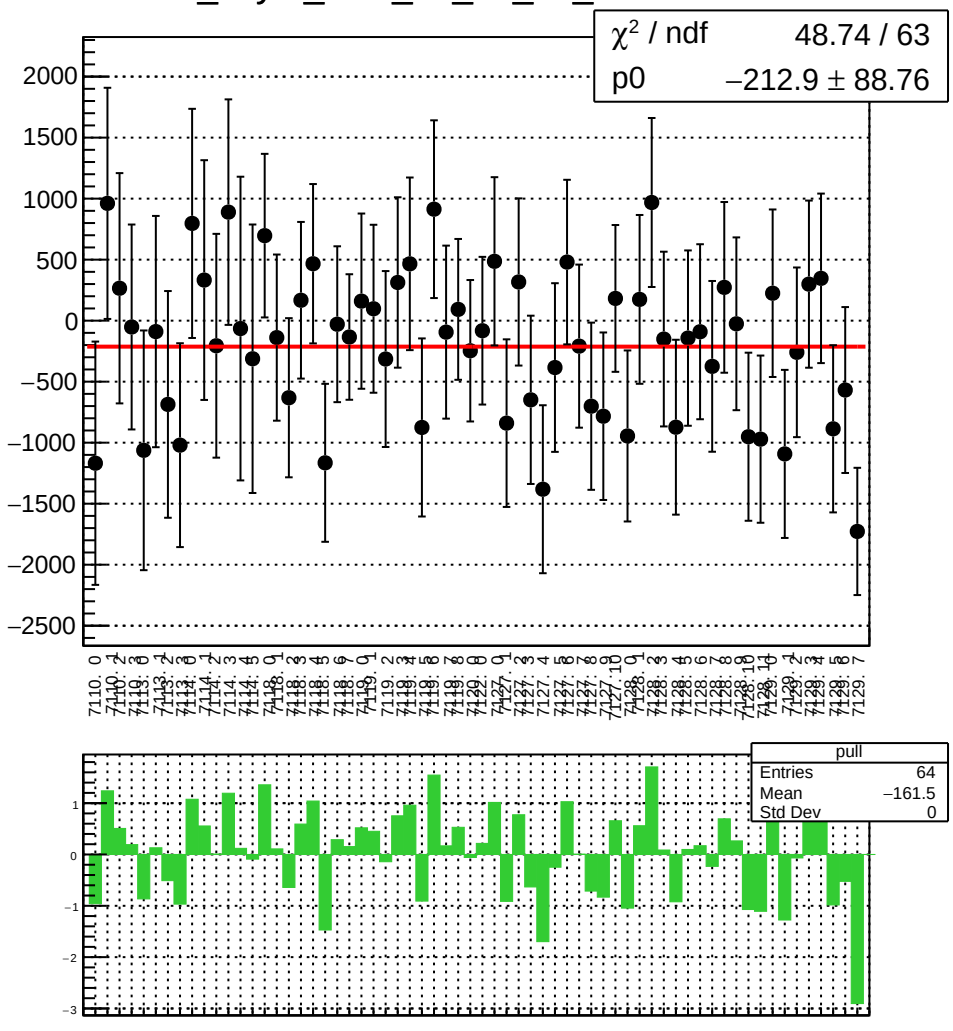

pull1D
Entries 64
Mean 0.004419
Std Dev 0.8481

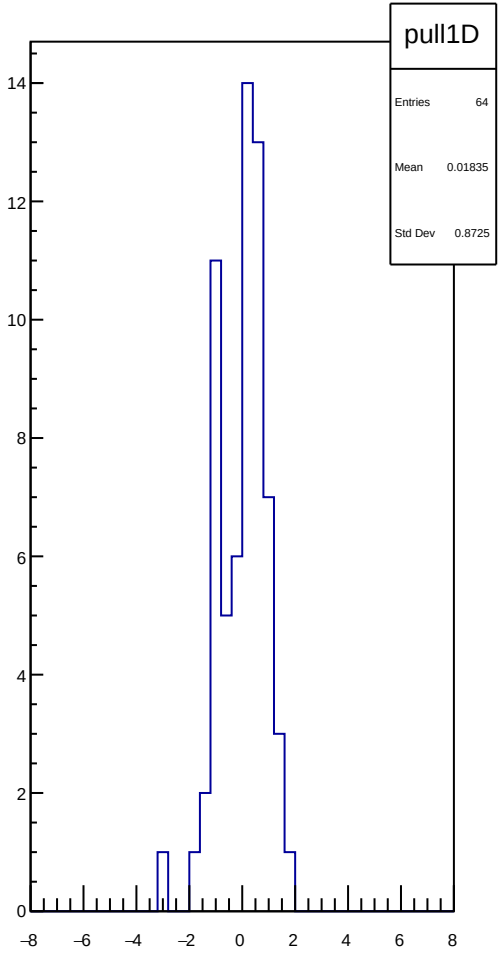

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 697.5 / 63
p0 56.21 ± 0.05077
61
60
59
58
57
56
55
54
53

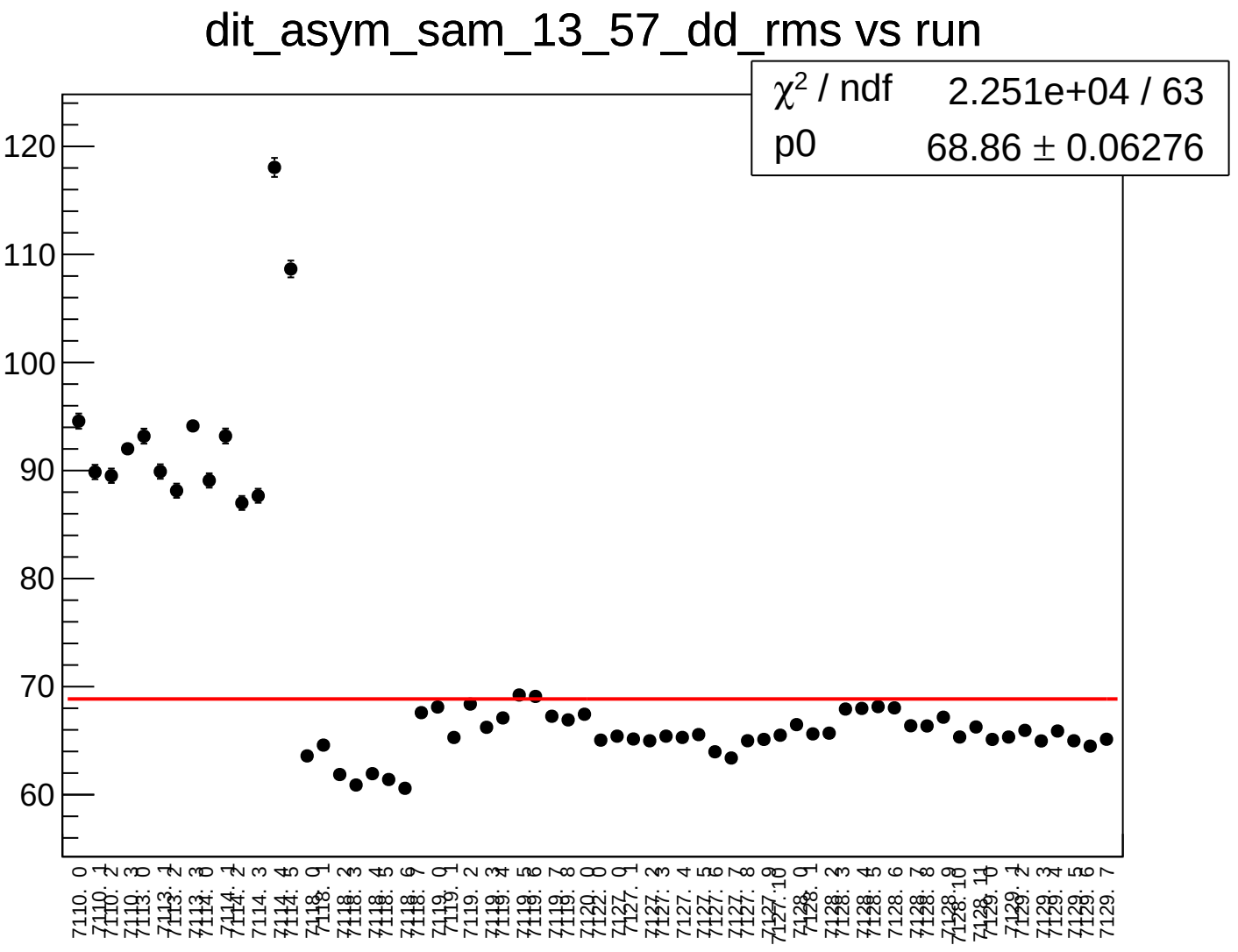

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.24 / 63
p0 −87.5 ± 376.6
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −76.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

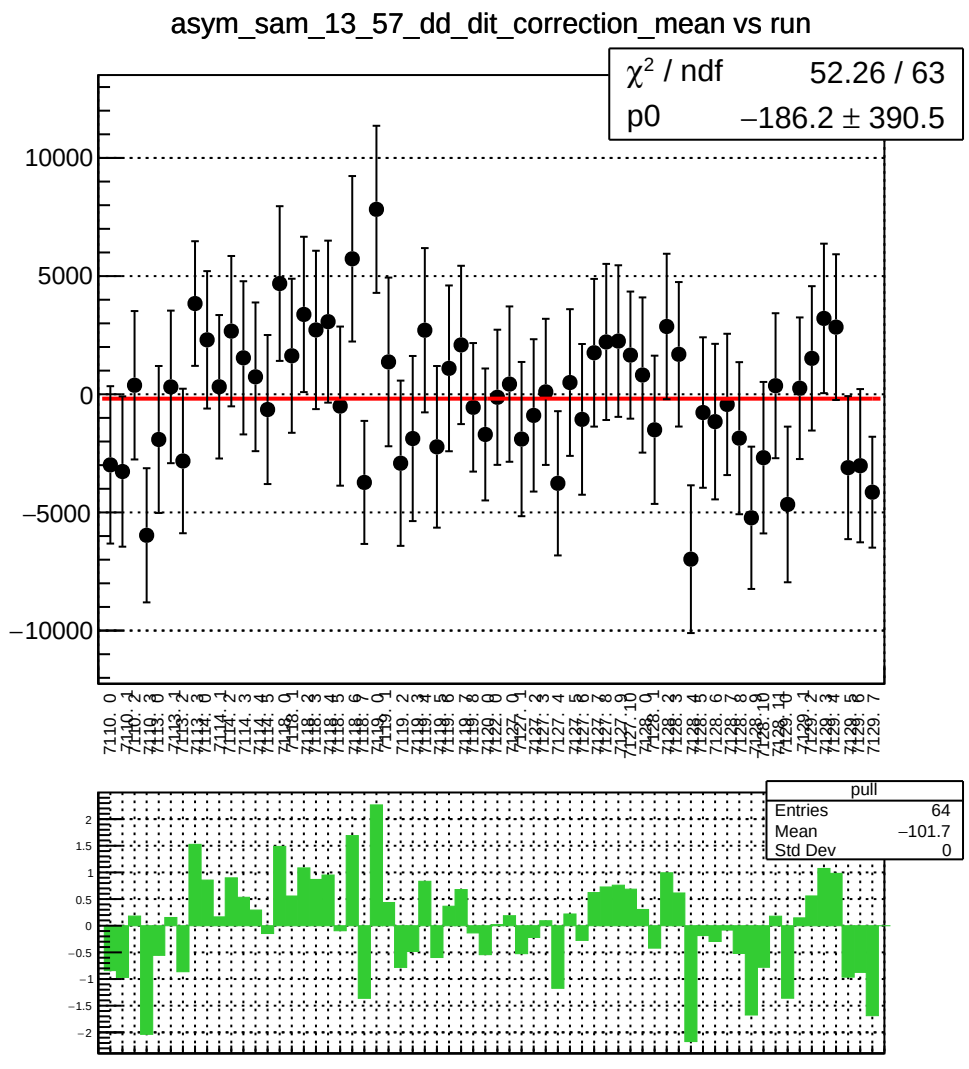

pull1D
Entries 64
Mean 0.02414
Std Dev 0.8944
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

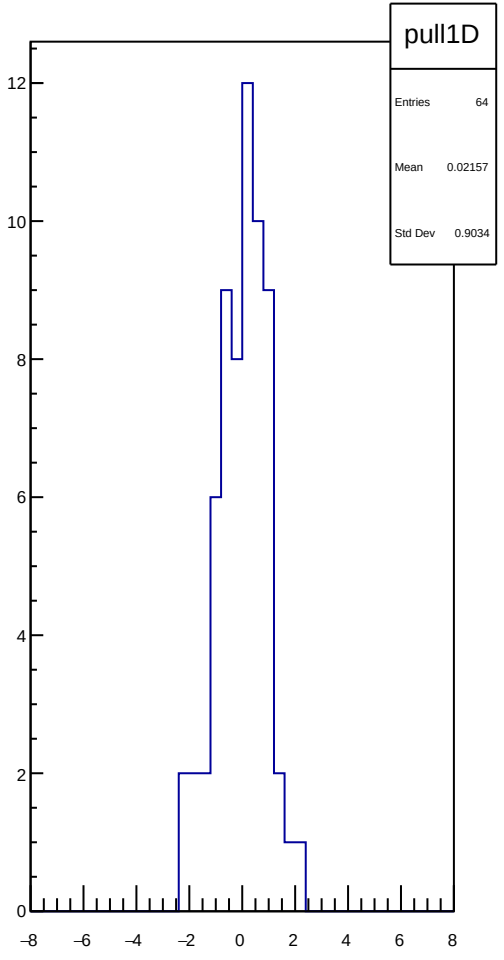

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 8082 / 63
p0 293.9 ± 0.2663
360
340
320
300
280
260

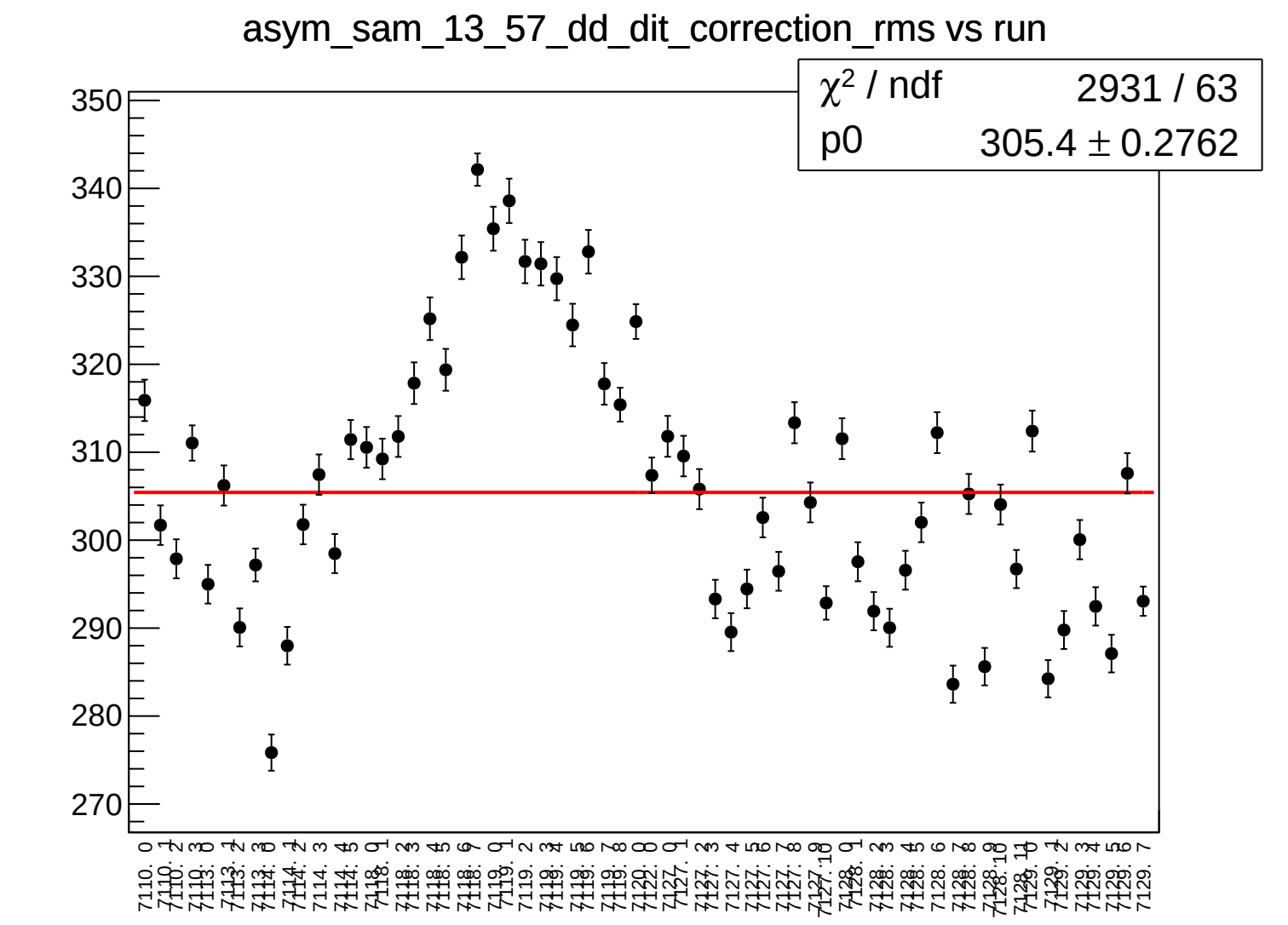

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 48.74 / 63
p0 −212.9 ± 88.76
pull
Entries 64
Mean −161.5
Std Dev 0

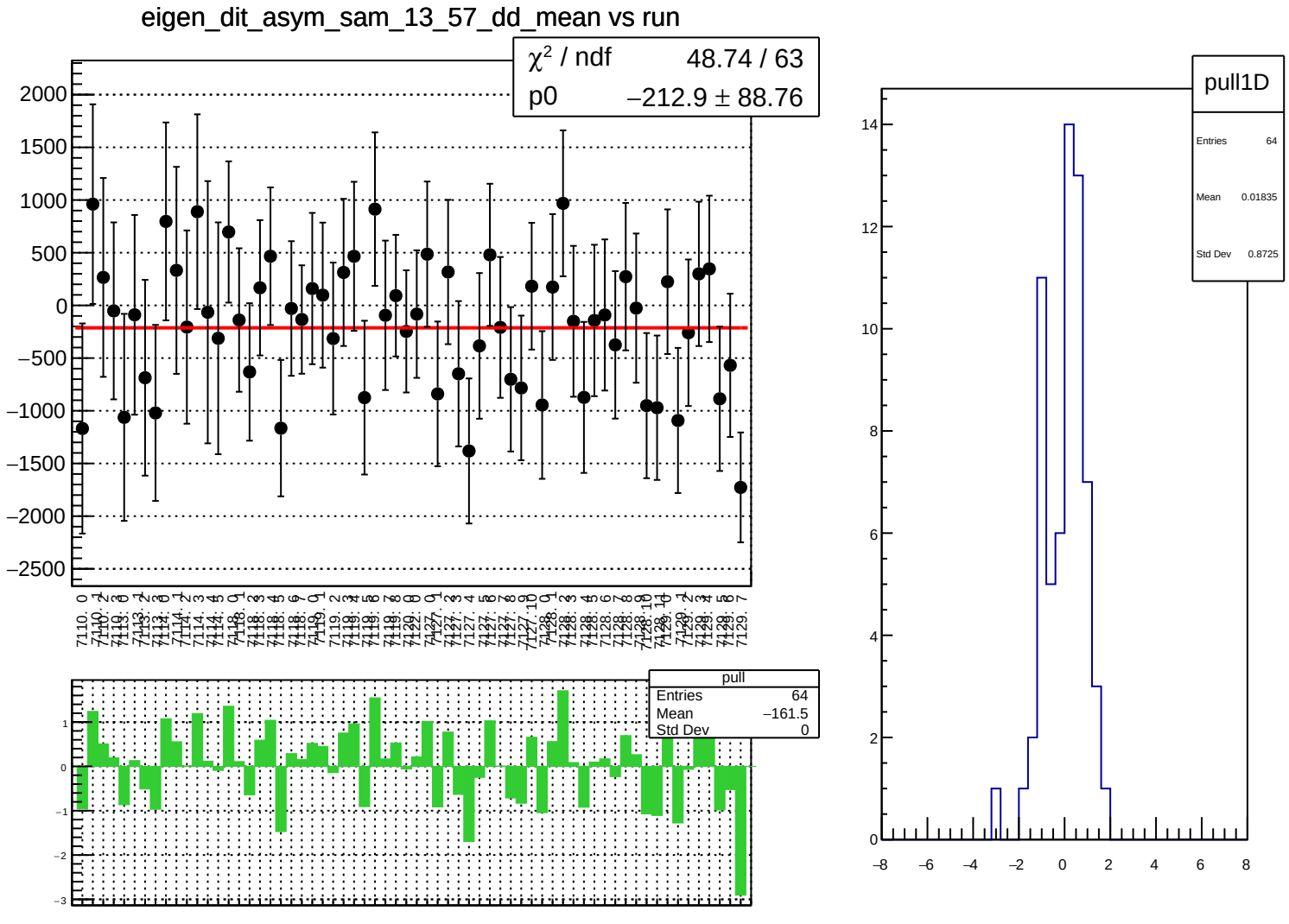

pull1D
Entries 64
Mean 0.01835
Std Dev 0.8725

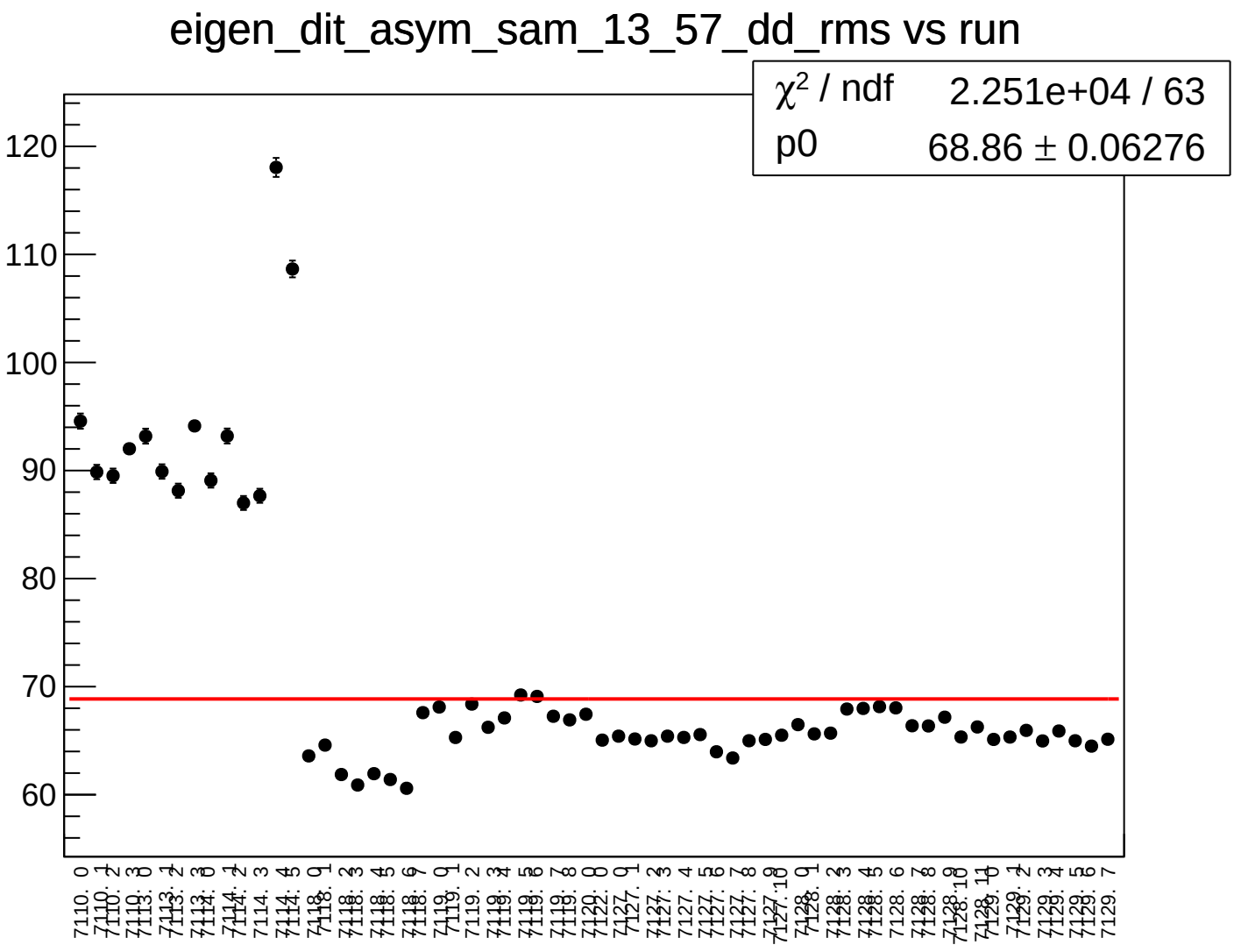

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.251e+04 / 63
p0 68.86 ± 0.06276
120
110
100
90
80
70
60

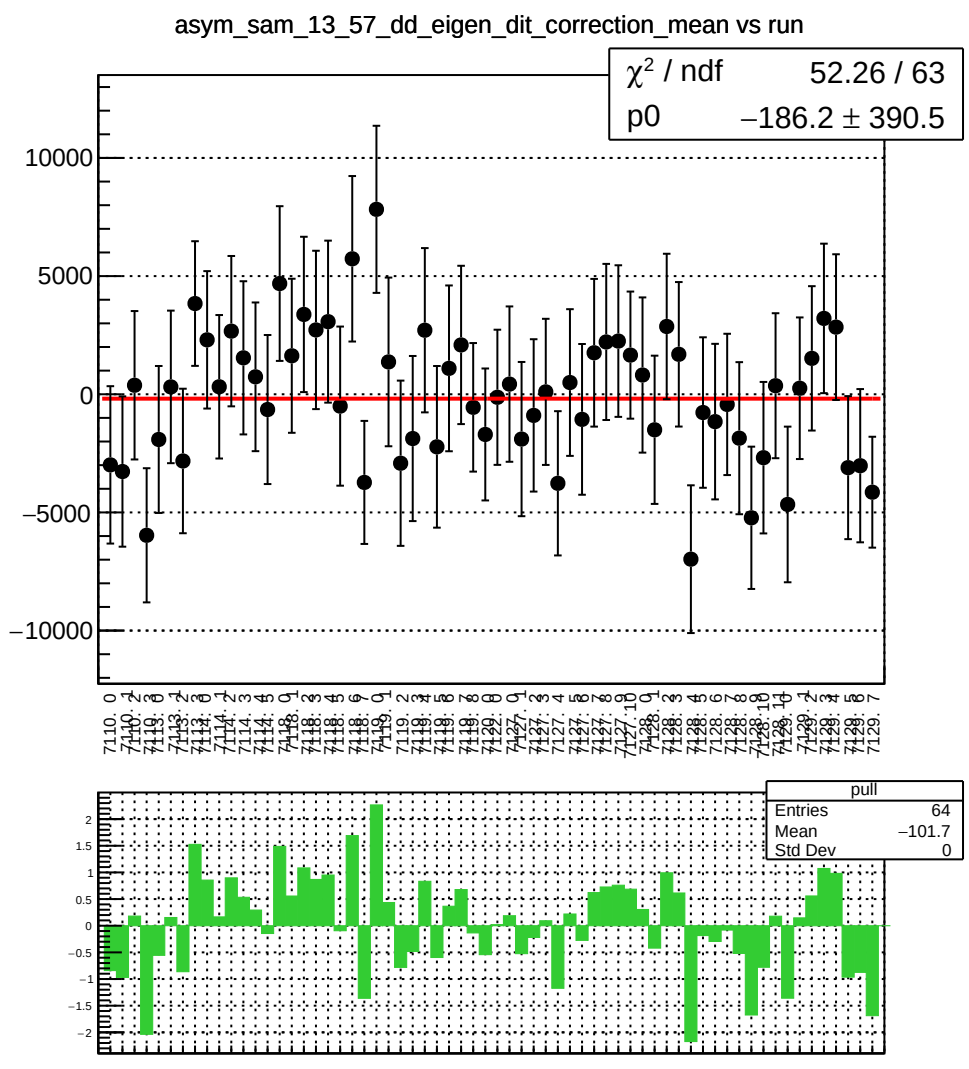

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 52.26 / 63
p0 −186.2 ± 390.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −101.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

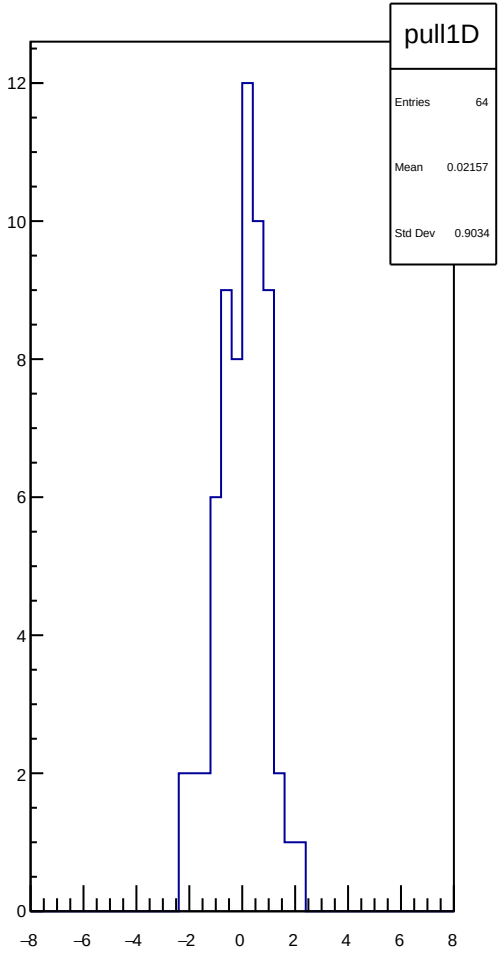

pull1D
Entries 64
Mean 0.02157
Std Dev 0.9034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

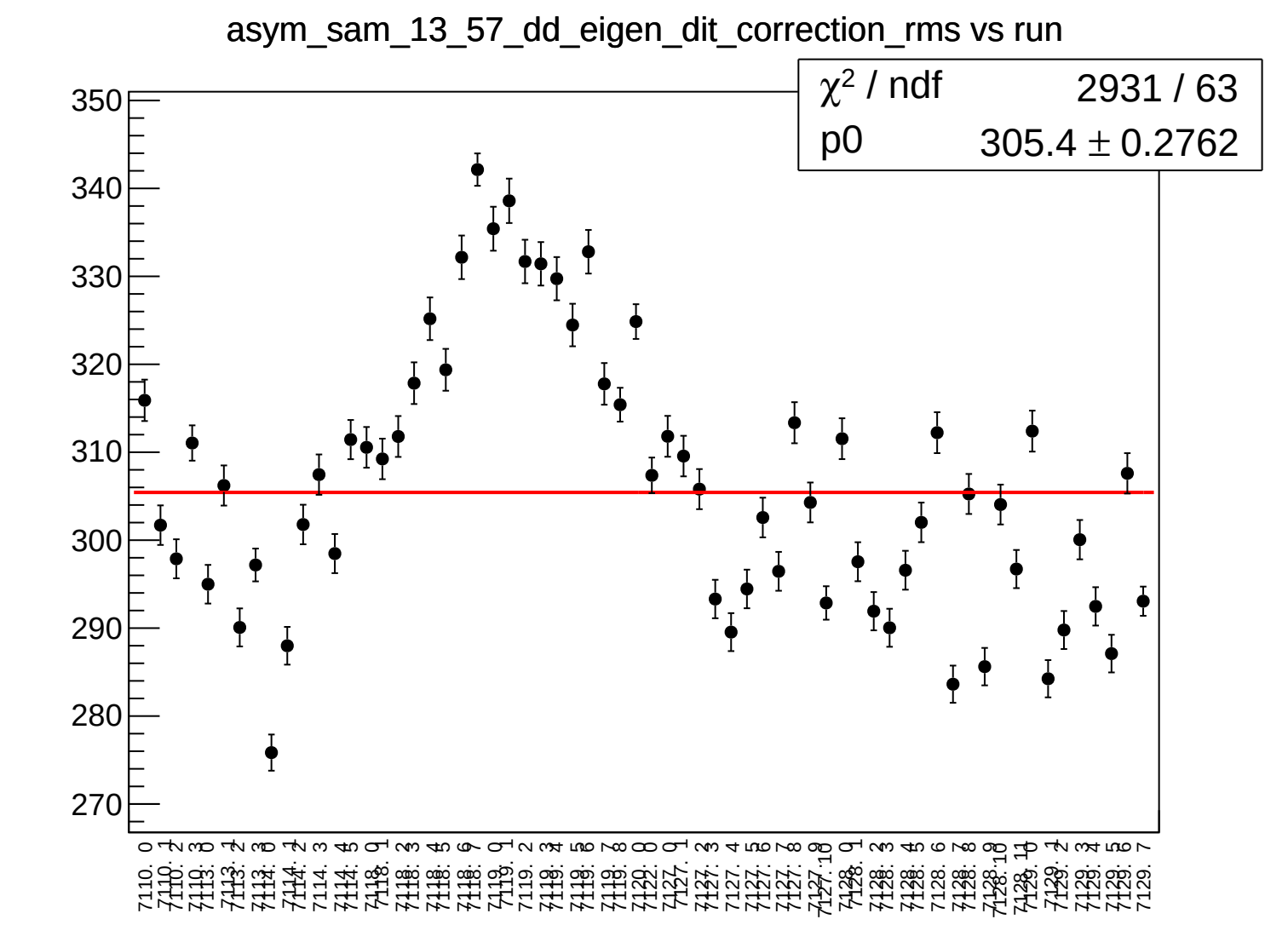

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 2931 / 63
p0 305.4 ± 0.2762
350
340
330
320
310
300
290
280
270

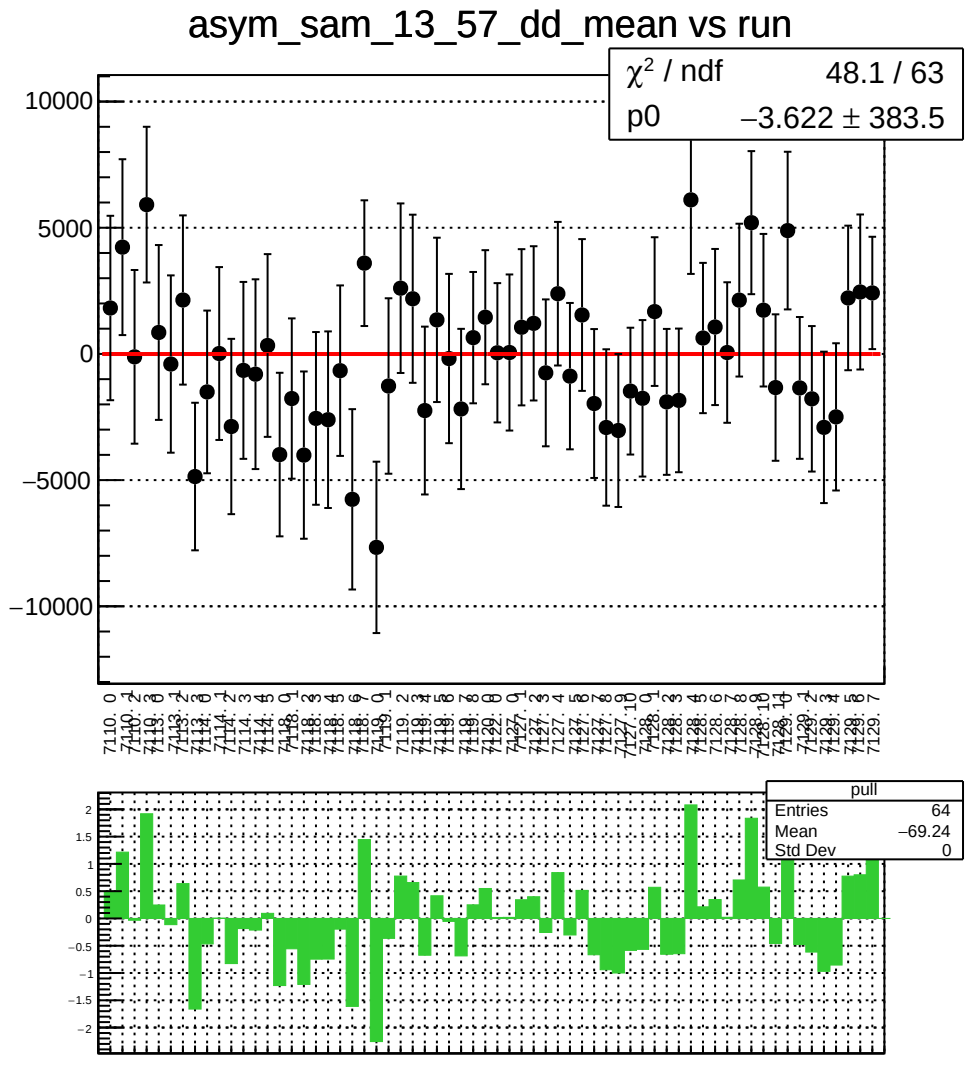

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 48.74 / 63
p0 −212.9 ± 88.76
pull
Entries 64
Mean −161.5
Std Dev 0
pull1D
Entries 64
Mean 0.01835
Std Dev 0.8725

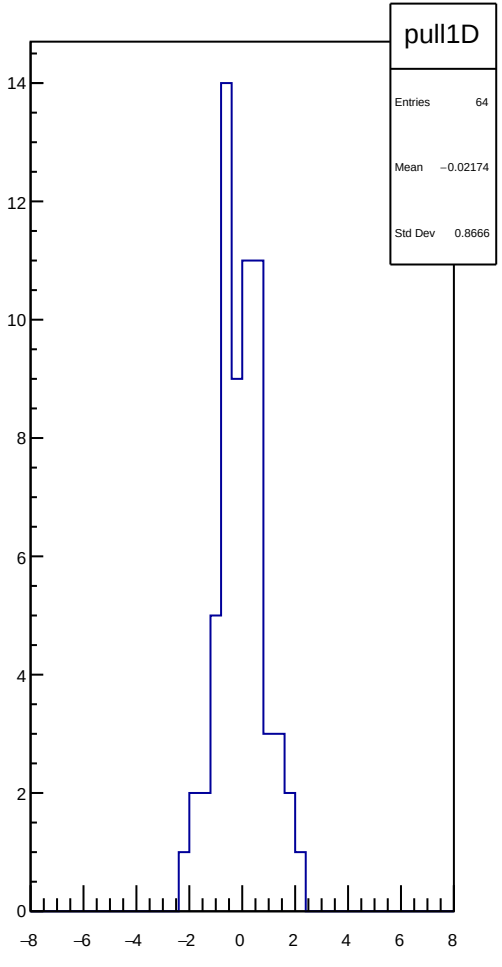

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.251e+04 / 63
p0 68.86 ± 0.06276
120
110
100
90
80
70
60

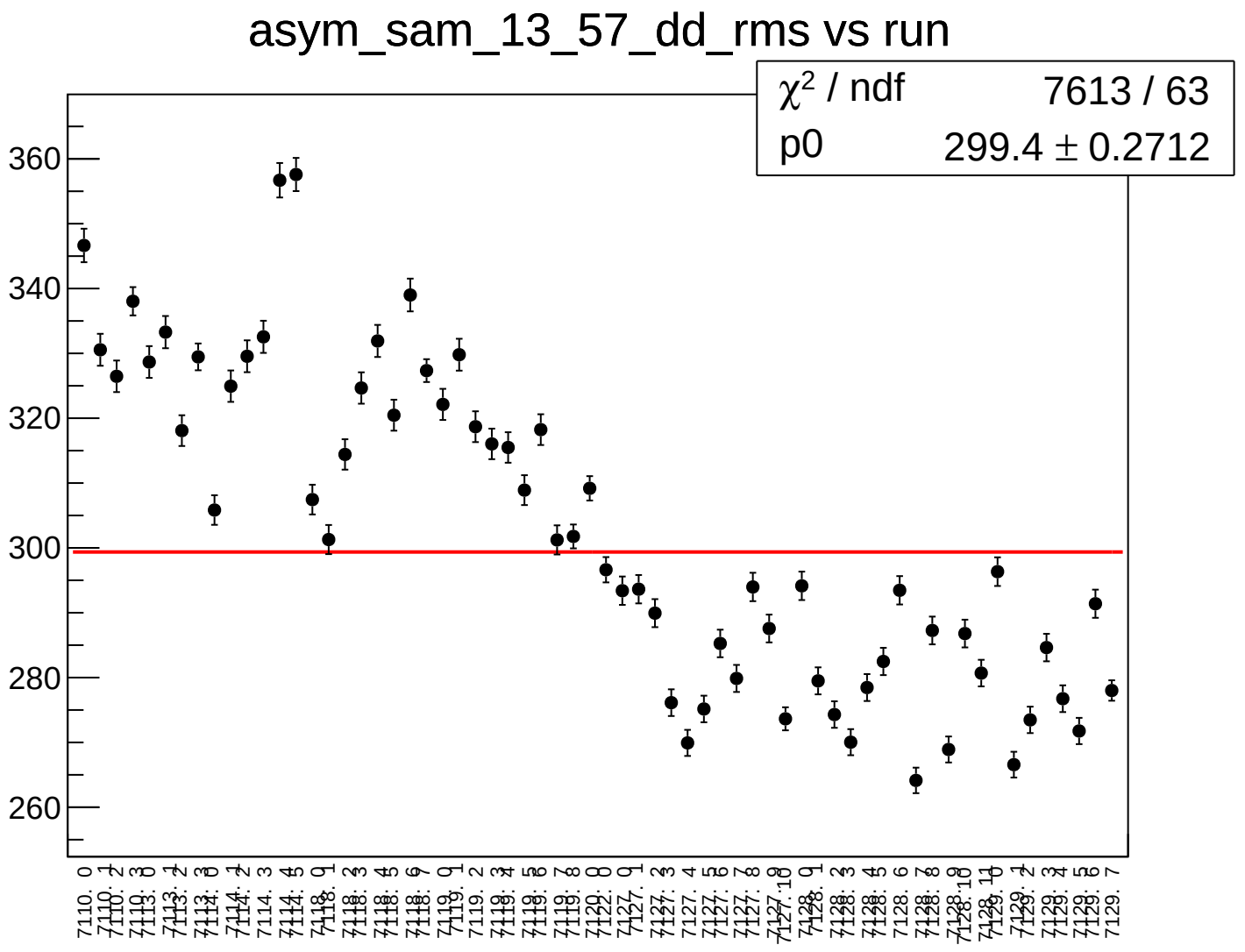

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 52.26 / 63
p0 −186.2 ± 390.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −101.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

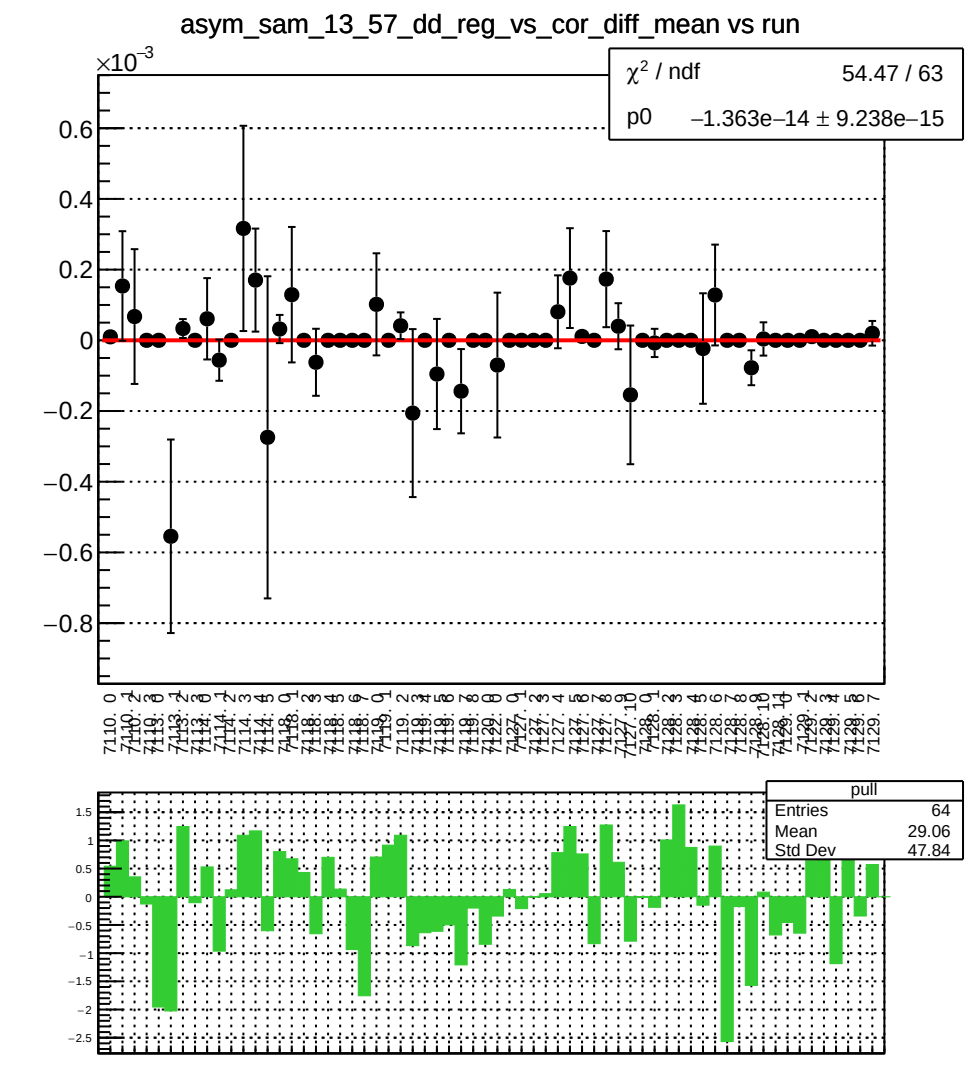

pull1D
Entries 64
Mean 0.02157
Std Dev 0.9034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

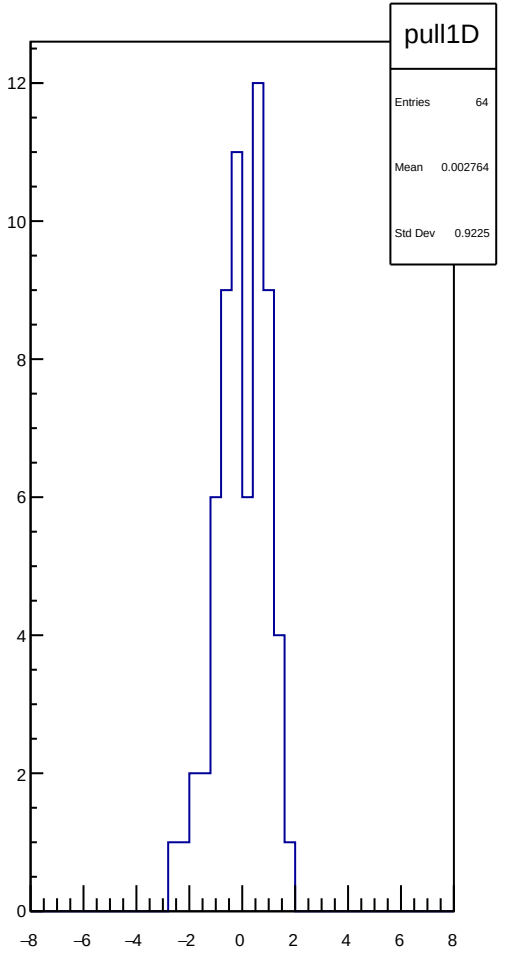

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2931 / 63
p0 305.4 ± 0.2762
350
340
330
320
310
300
290
280
270

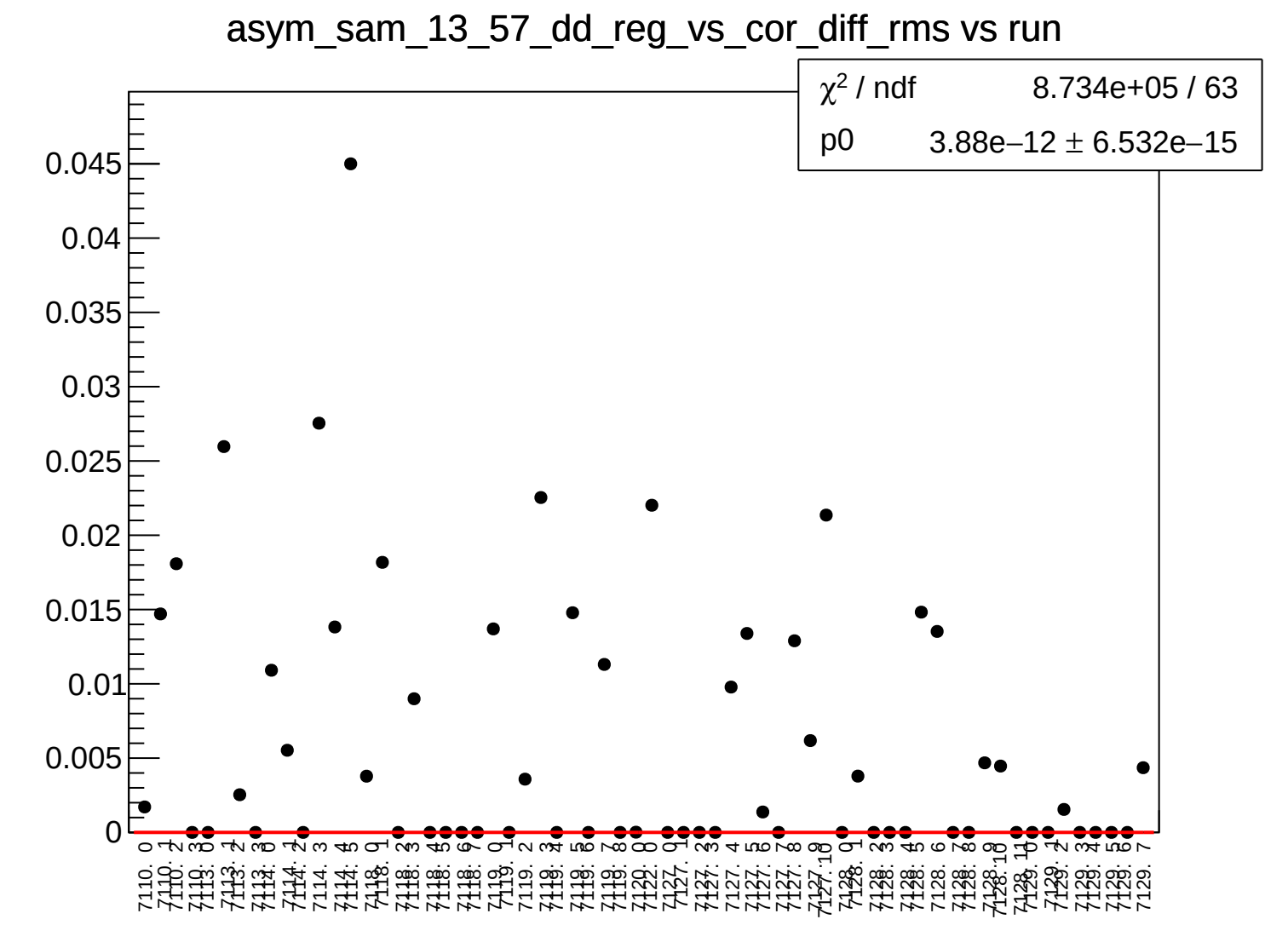

asym_sam_13_57_dd_mean vs run
χ² / ndf 48.1 / 63
p0 −3.622 ± 383.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −69.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

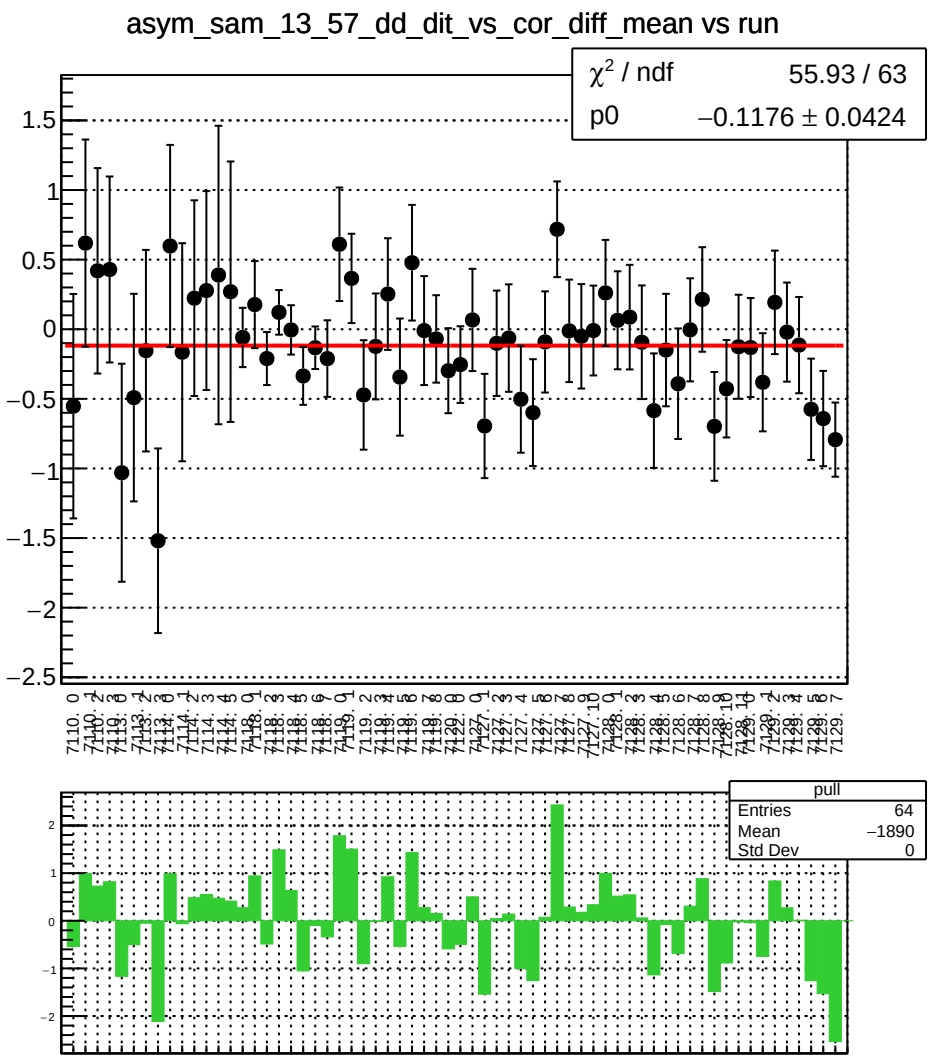

pull1D
Entries 64
Mean −0.02174
Std Dev 0.8666
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

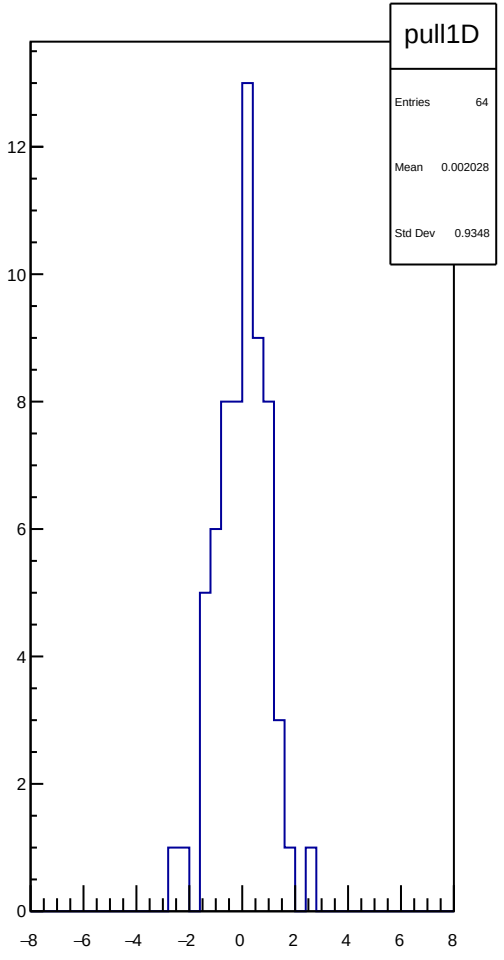

asym_sam_13_57_dd_rms vs run
χ² / ndf 7613 / 63
p0 299.4 ± 0.2712
360
340
320
300
280
260

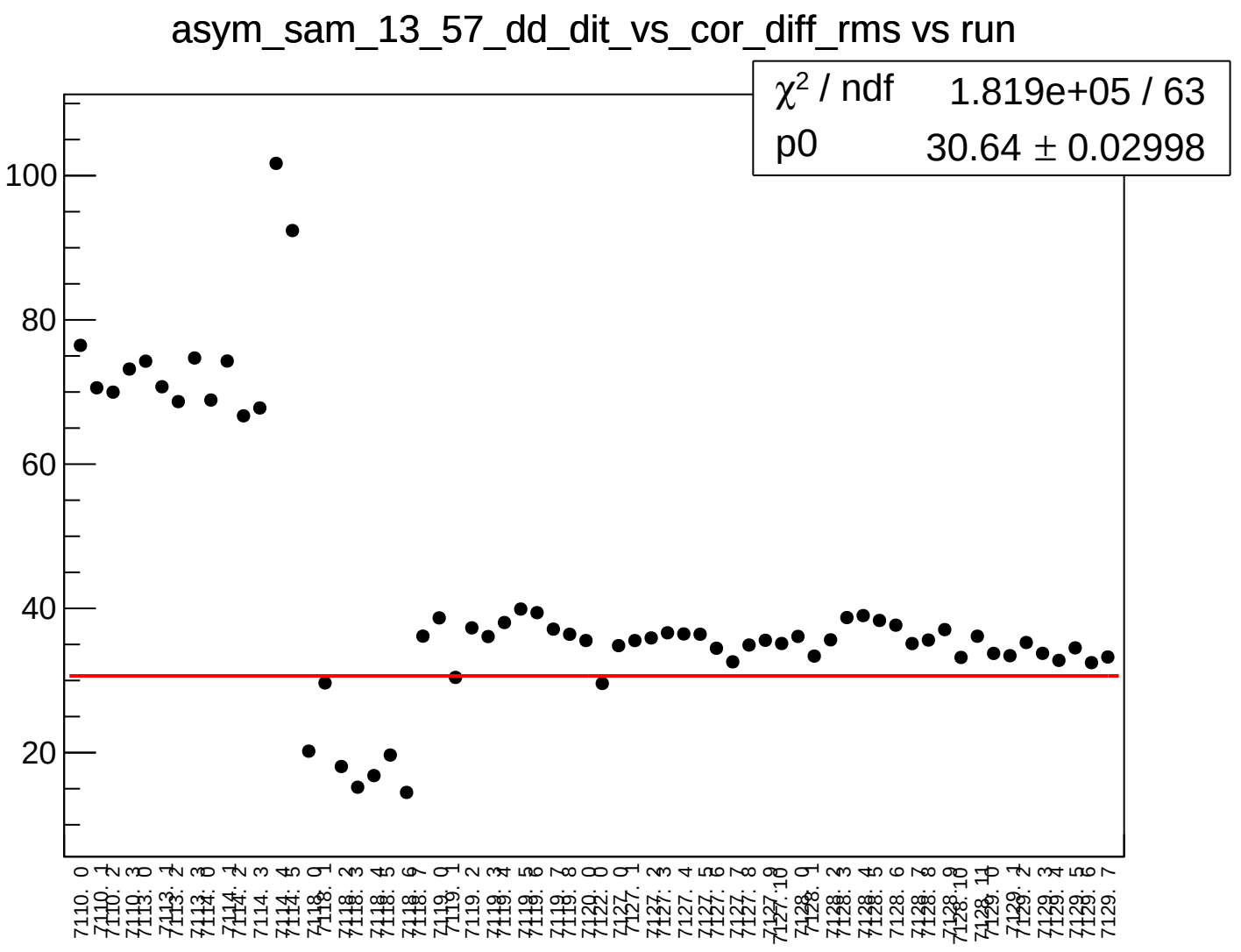

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 54.47 / 63
p0 −1.363e−14 ± 9.238e−15
pull
Entries 64
Mean 29.06
Std Dev 47.84

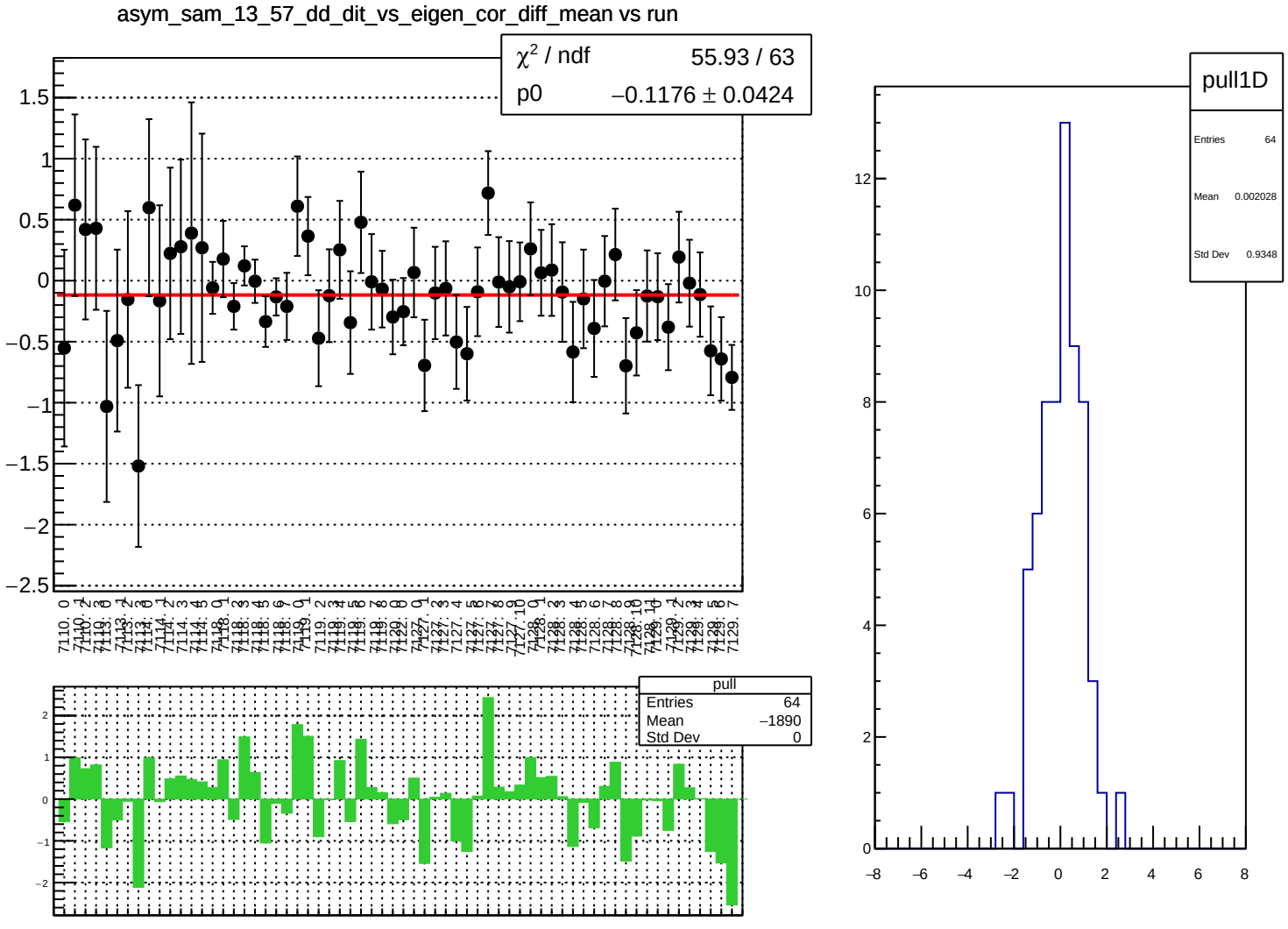

pull1D
Entries 64
Mean 0.002764
Std Dev 0.9225

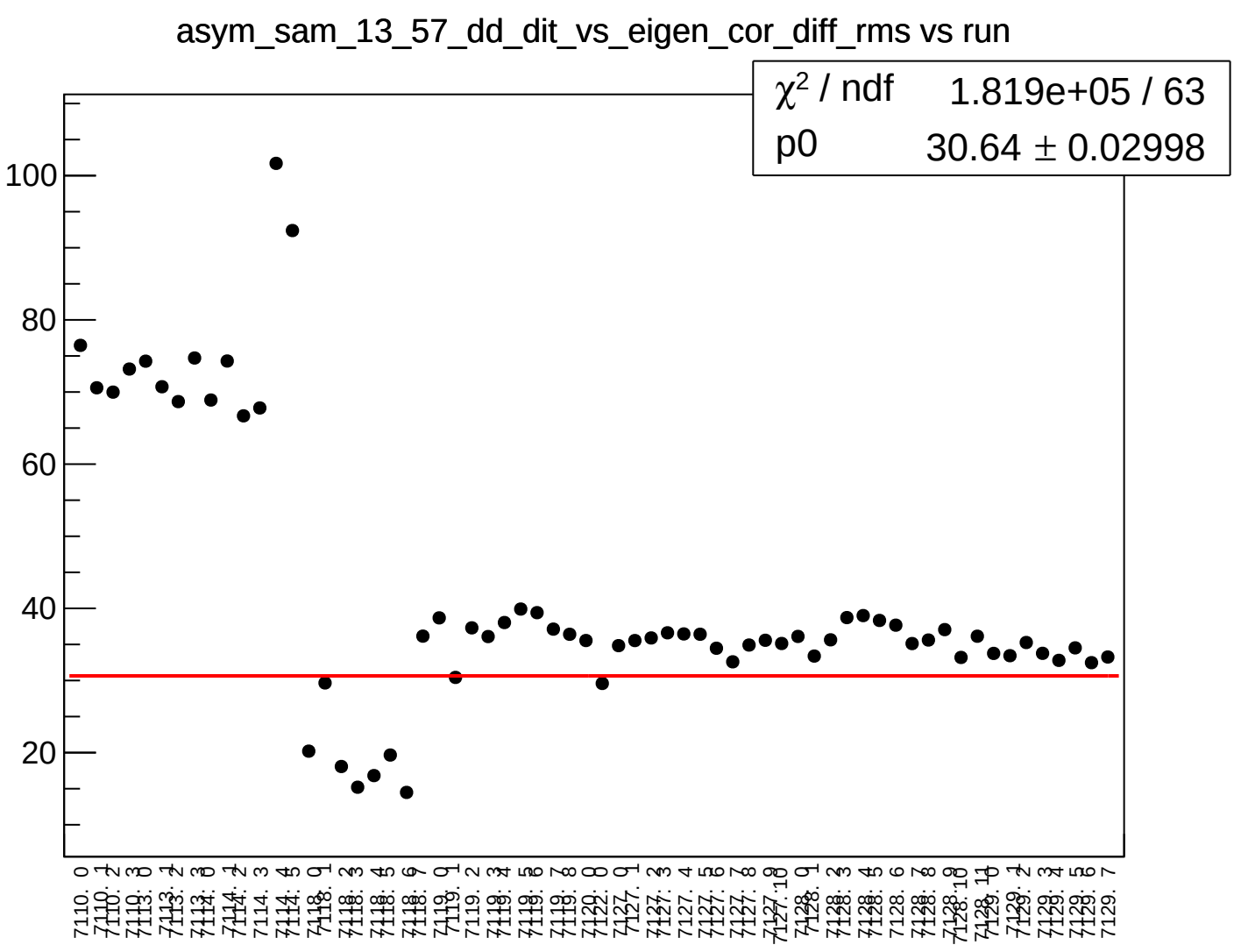

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.734e+05 / 63
p0 3.88e−12 ± 6.532e−15
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

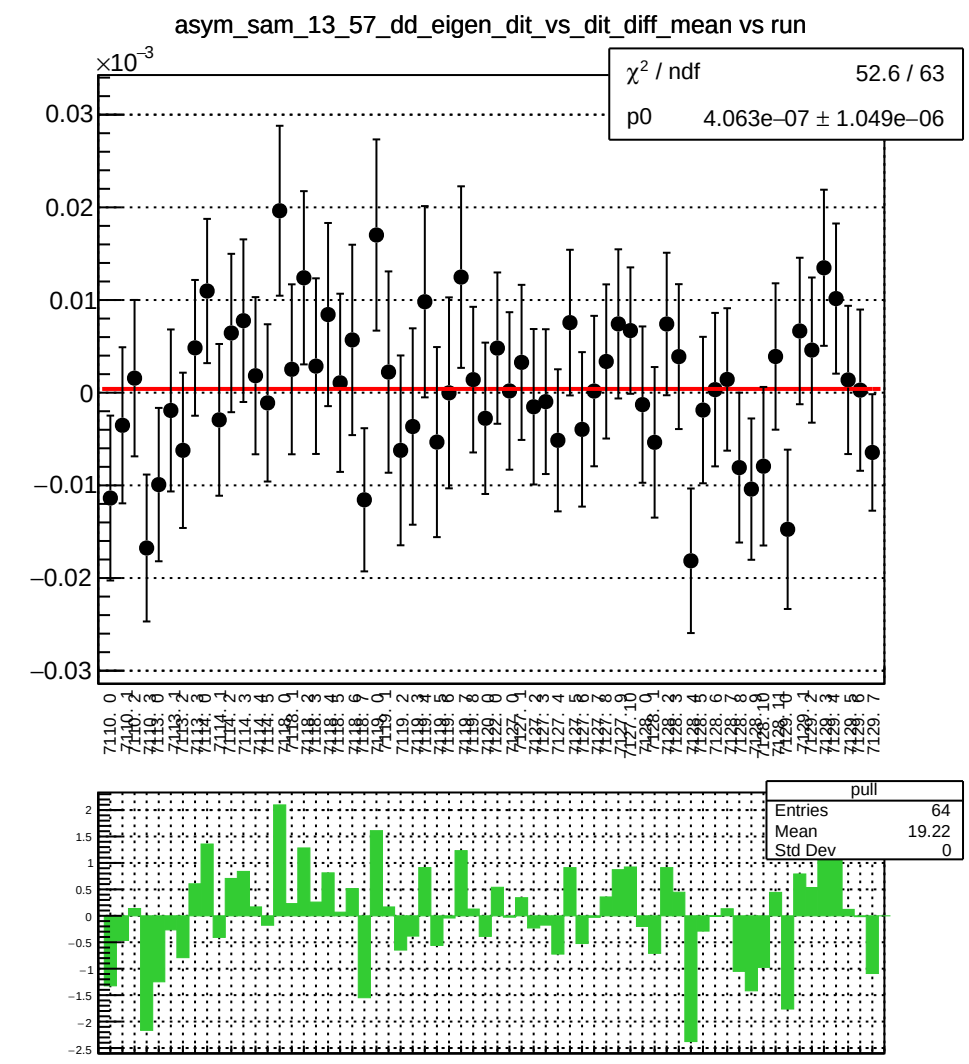

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.93 / 63
p0 −0.1176 ± 0.0424
pull
Entries 64
Mean −1890
Std Dev 0

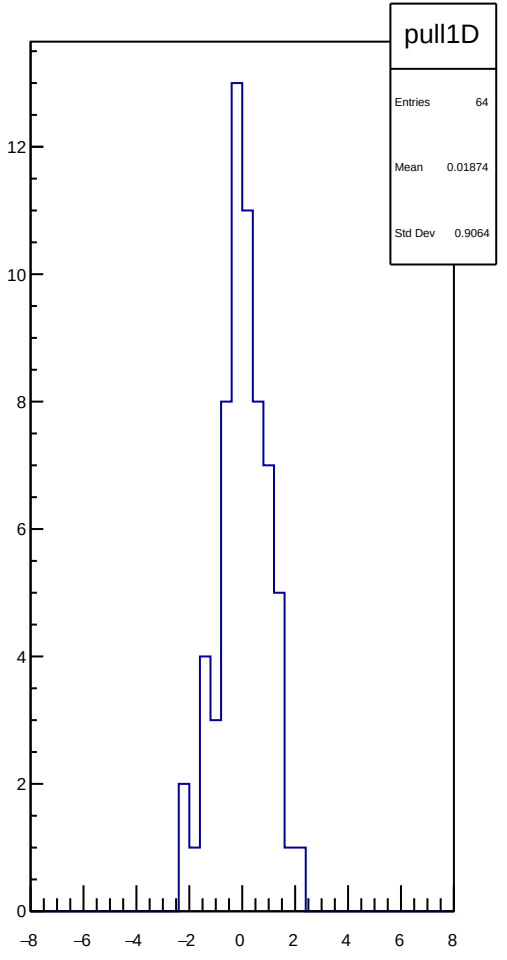

pull1D
Entries 64
Mean 0.002028
Std Dev 0.9348

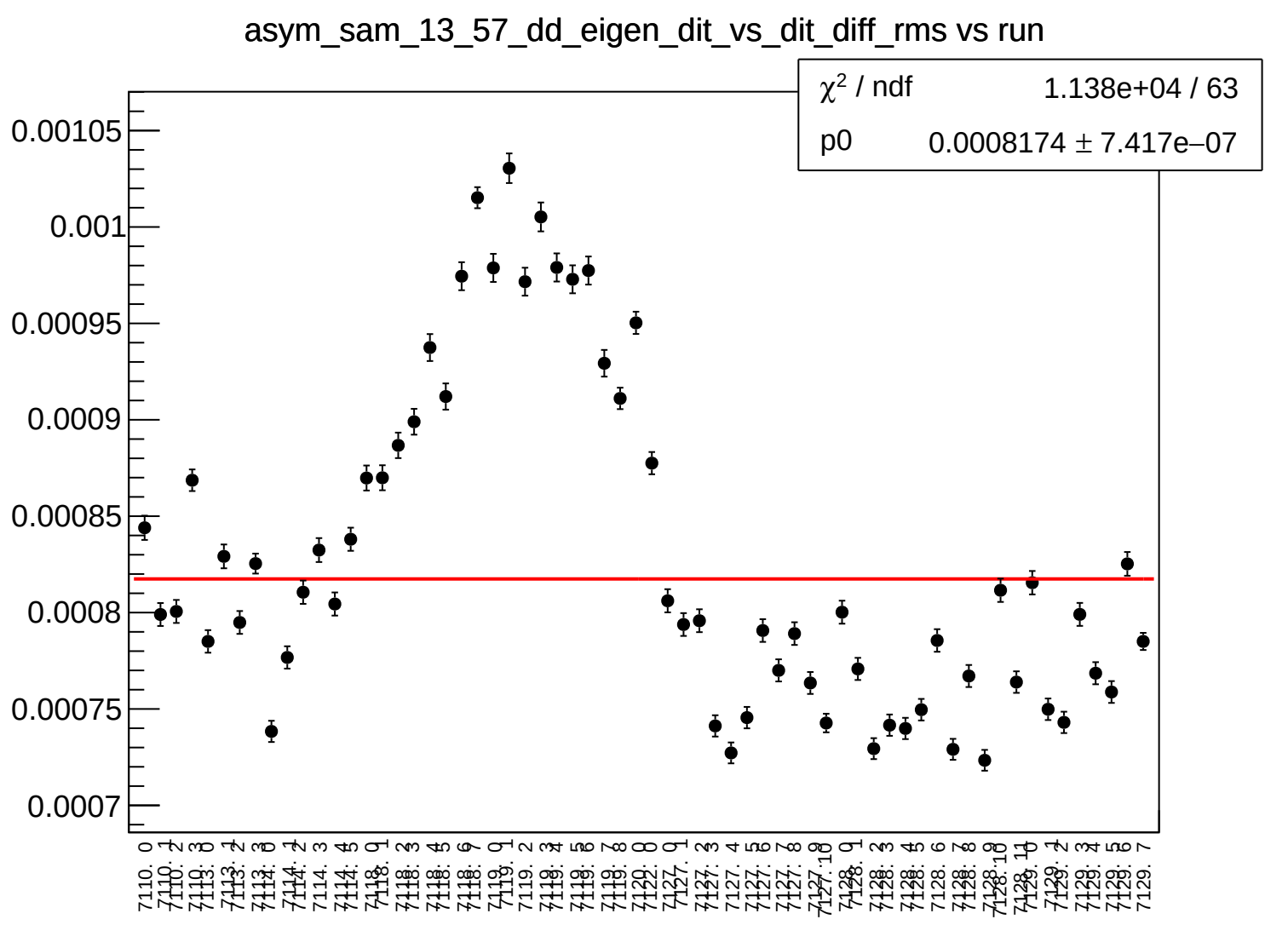

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.819e+05 / 63
p0 30.64 ± 0.02998
100
80
60
40
20

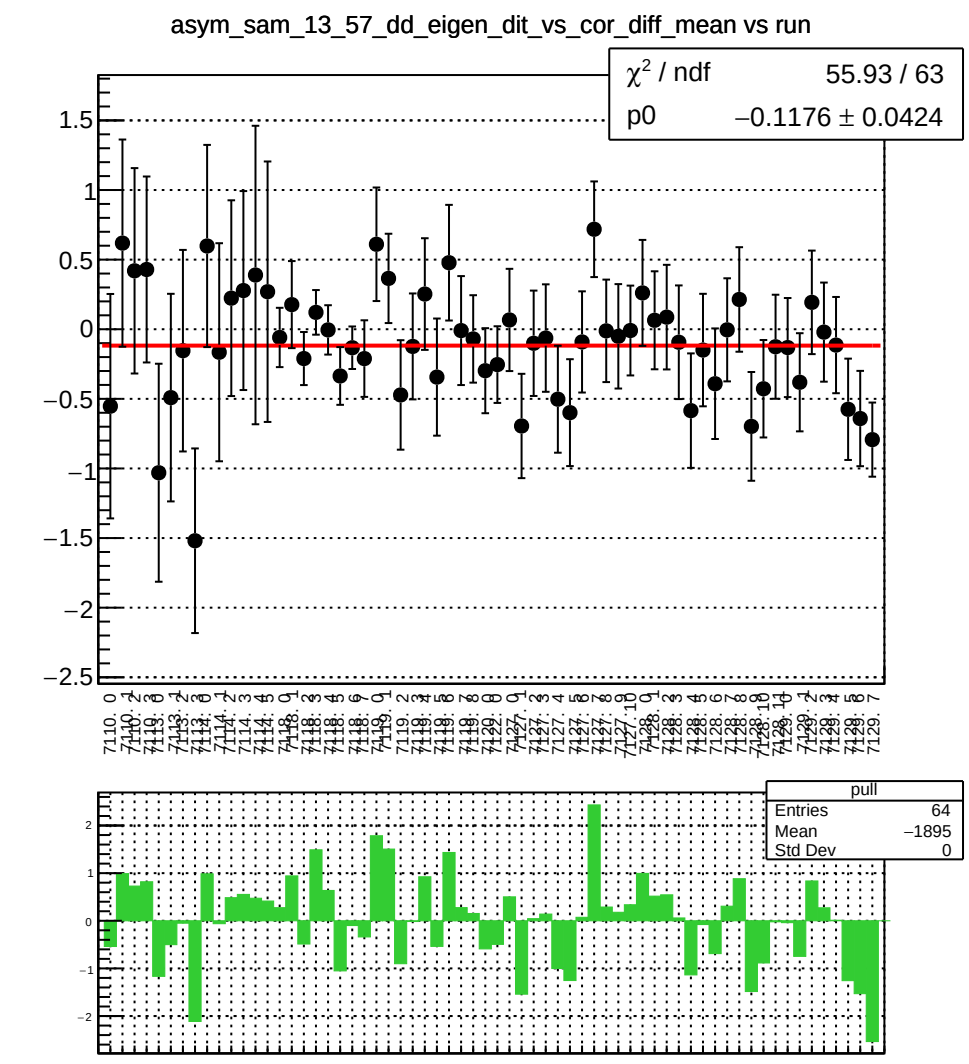

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.93 / 63
p0 −0.1176 ± 0.0424
pull
Entries 64
Mean −1890
Std Dev 0
pull1D
Entries 64
Mean 0.002028
Std Dev 0.9348

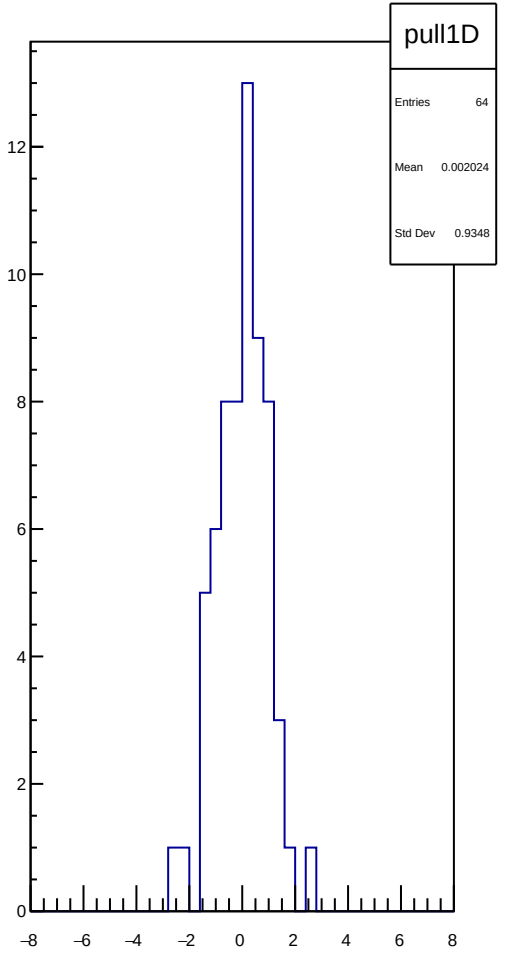

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.819e+05 / 63
p0 30.64 ± 0.02998
100
80
60
40
20

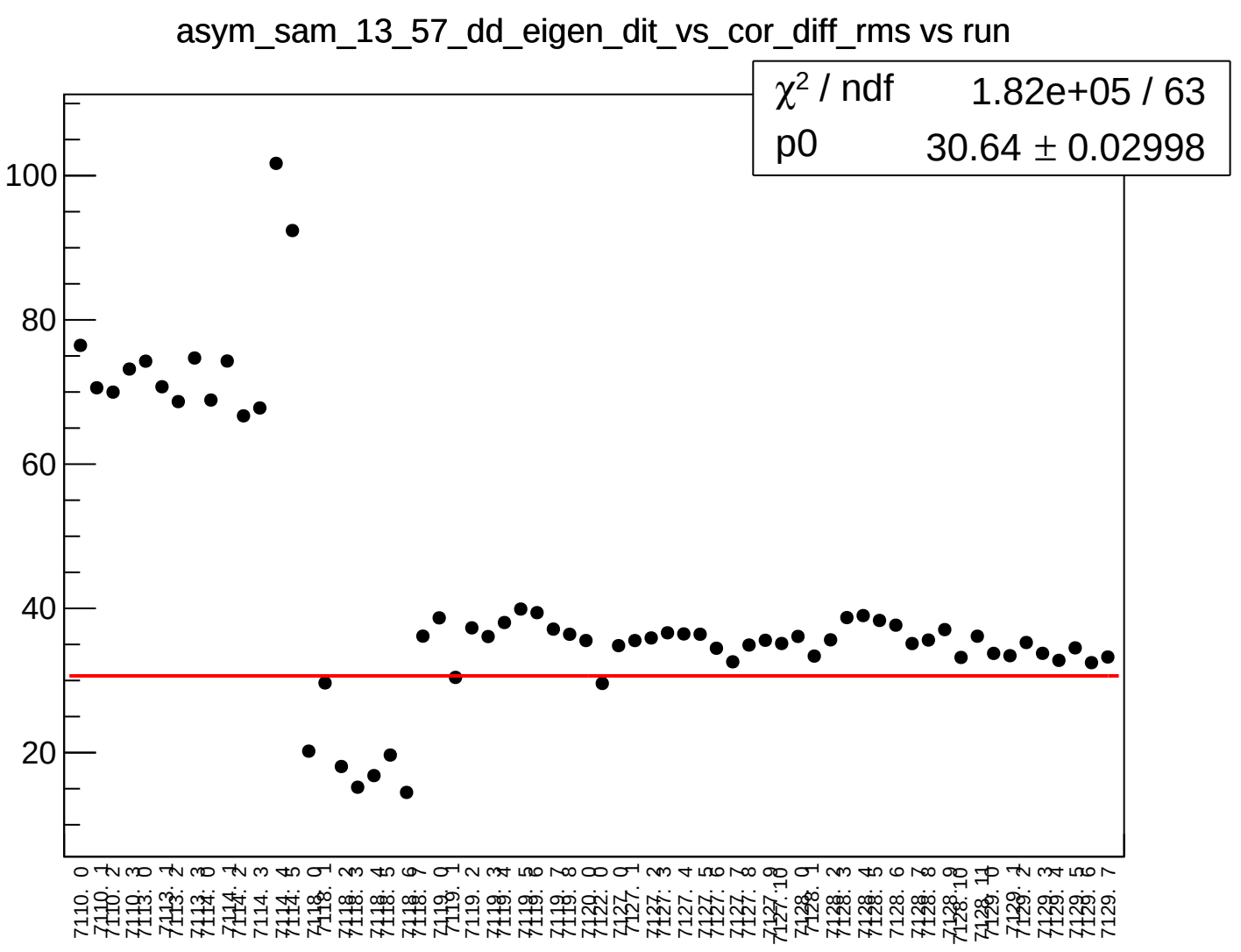

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.6 / 63
p0 4.063e−07 ± 1.049e−06
pull
Entries 64
Mean 19.22
Std Dev 0

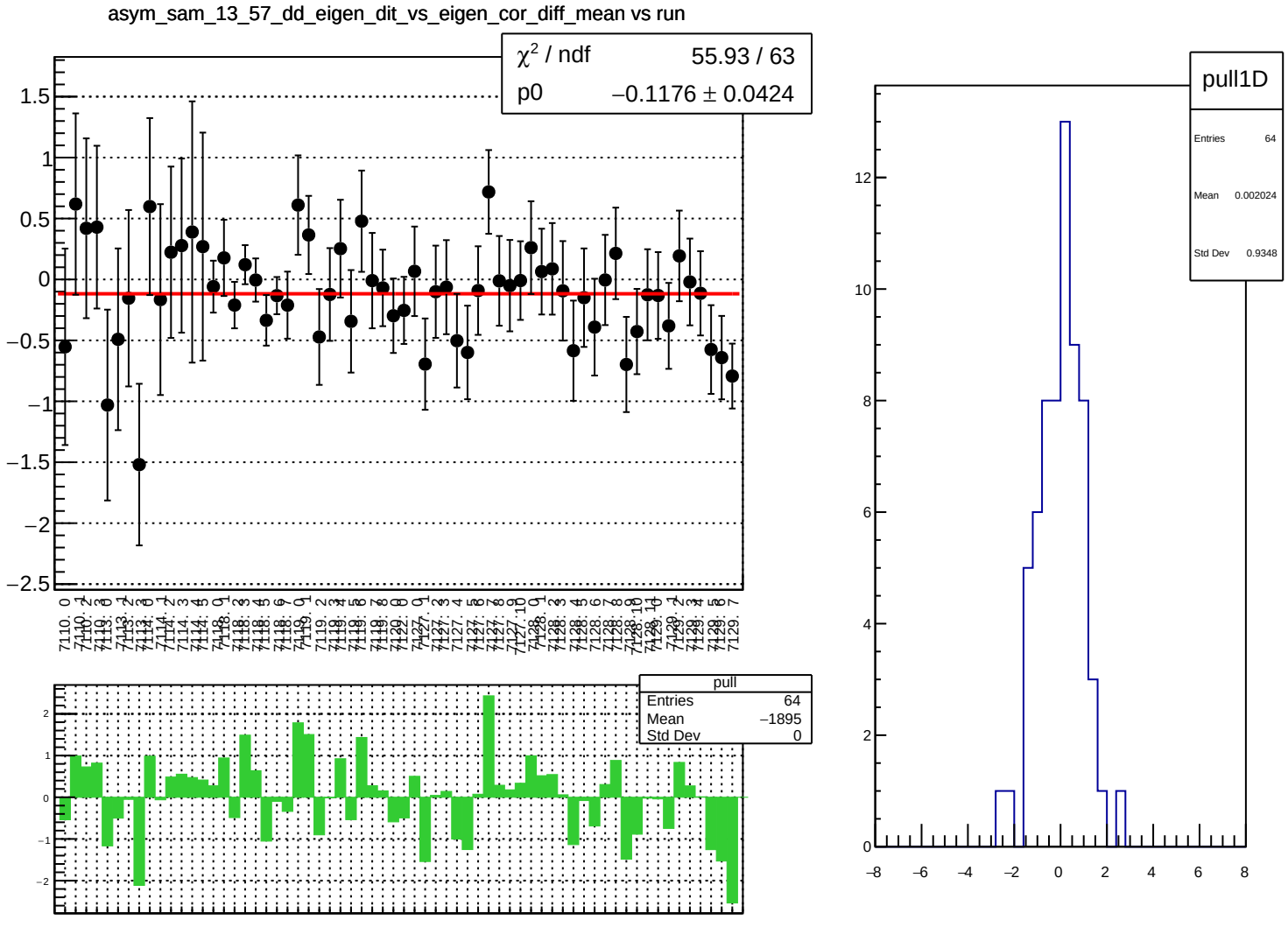

pull1D
Entries 64
Mean 0.01874
Std Dev 0.9064

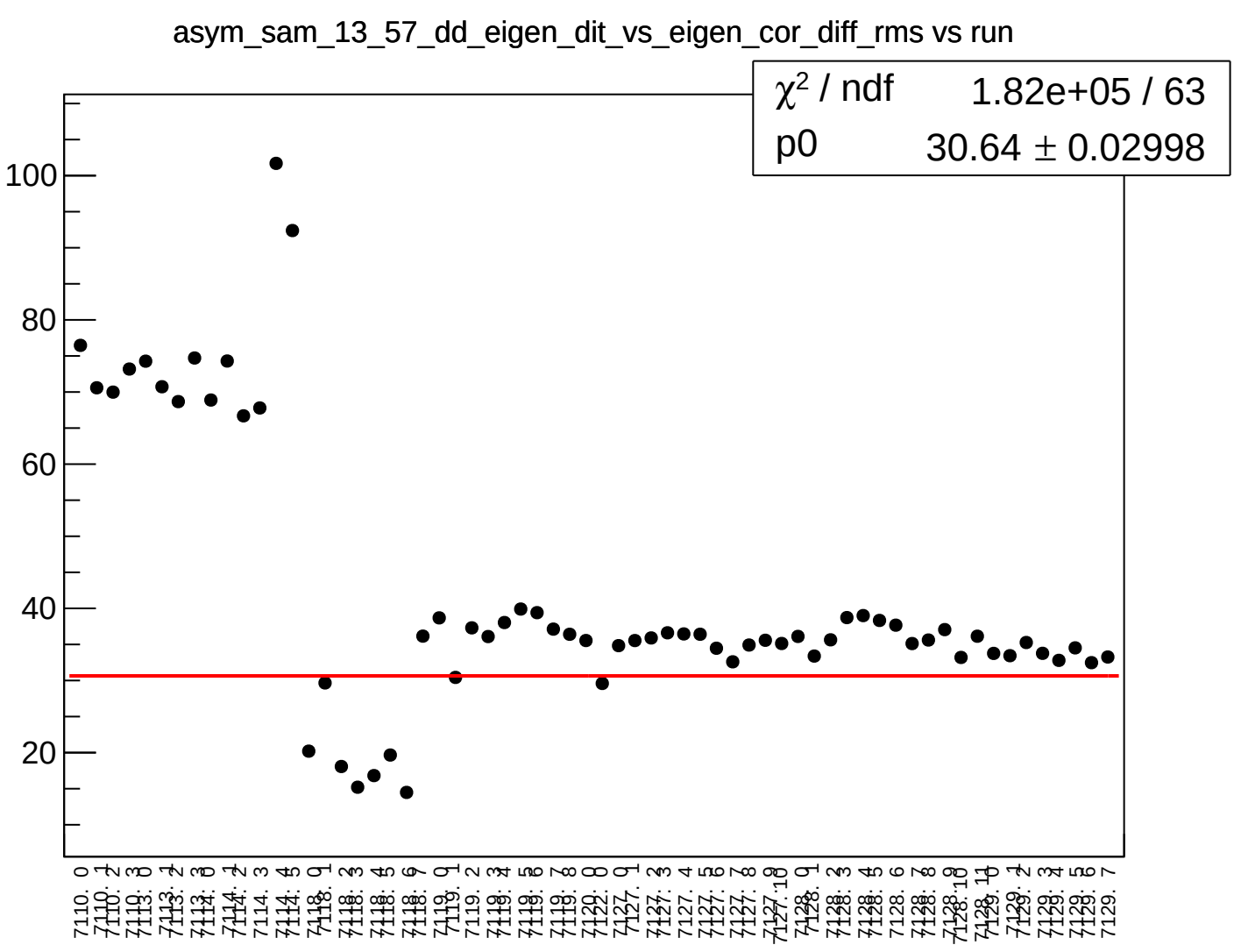

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.138e+04 / 63
p0 0.0008174 ± 7.417e−07
0.00105
0.001
0.00095
0.0009
0.00085
0.0008
0.00075
0.0007

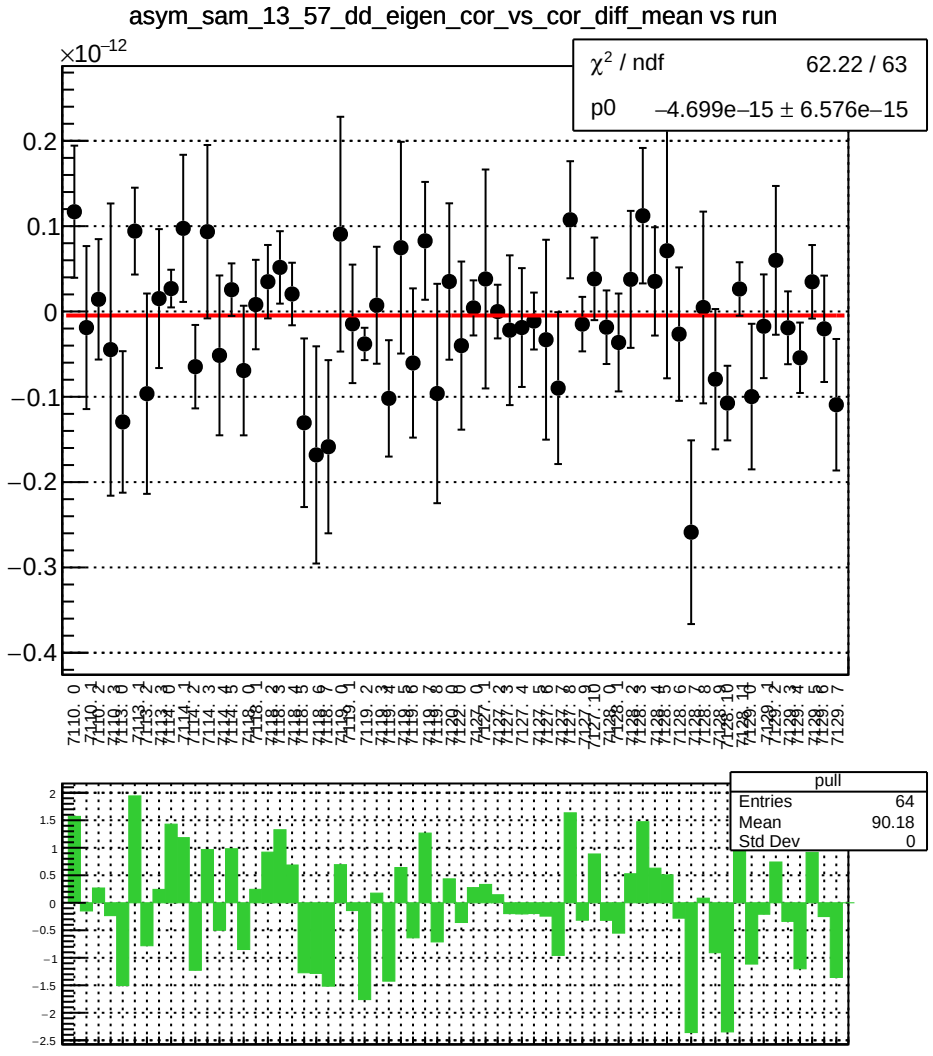

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.93 / 63
p0 −0.1176 ± 0.0424
pull
Entries 64
Mean −1895
Std Dev 0

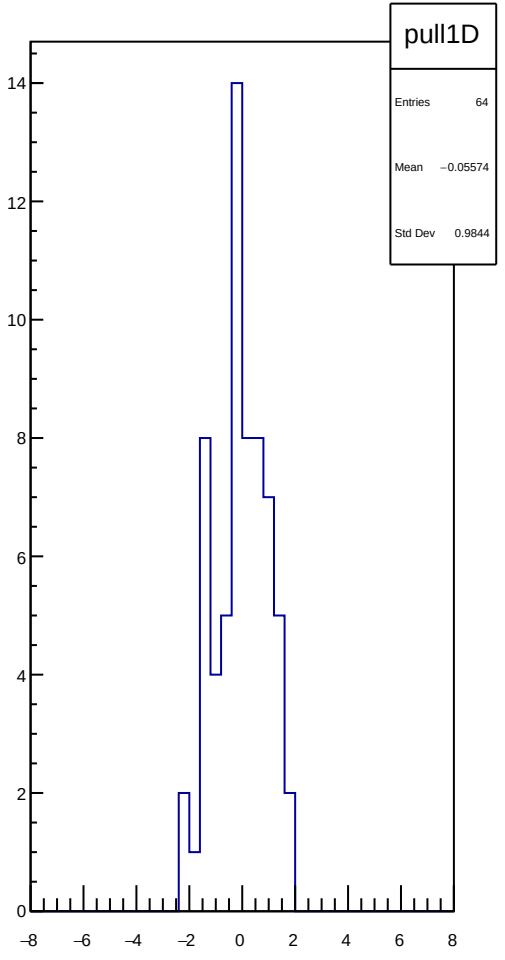

pull1D
Entries 64
Mean 0.002024
Std Dev 0.9348

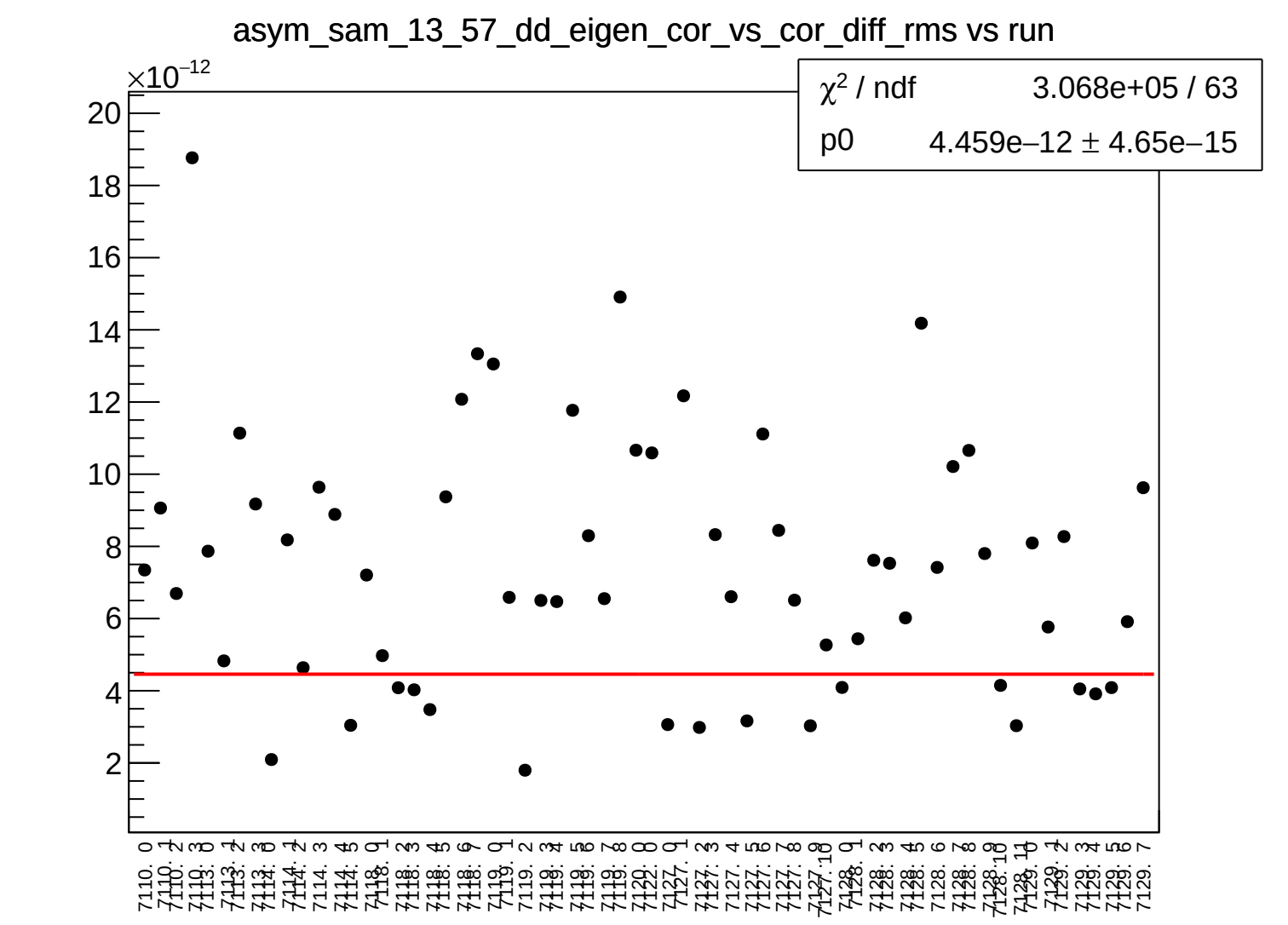

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.82e+05 / 63
p0 30.64 ± 0.02998
100
80
60
40
20

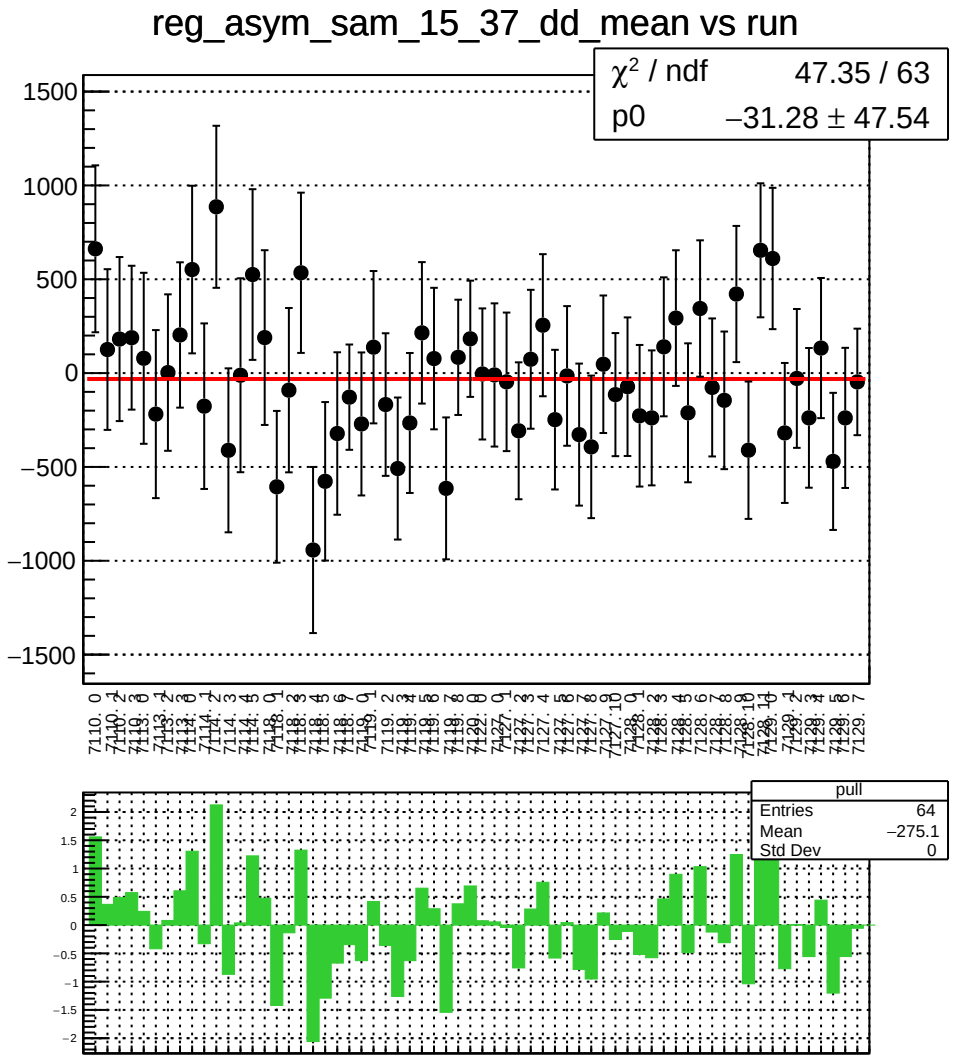

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.93 / 63
p0 −0.1176 ± 0.0424
pull
Entries 64
Mean −1895
Std Dev 0
pull1D
Entries 64
Mean 0.002024
Std Dev 0.9348

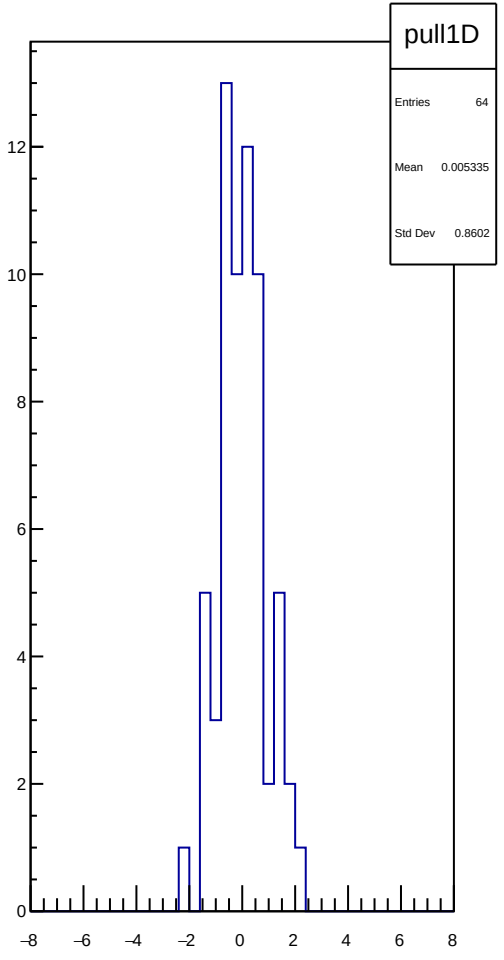

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.82e+05 / 63
p0 30.64 ± 0.02998
100
80
60
40
20

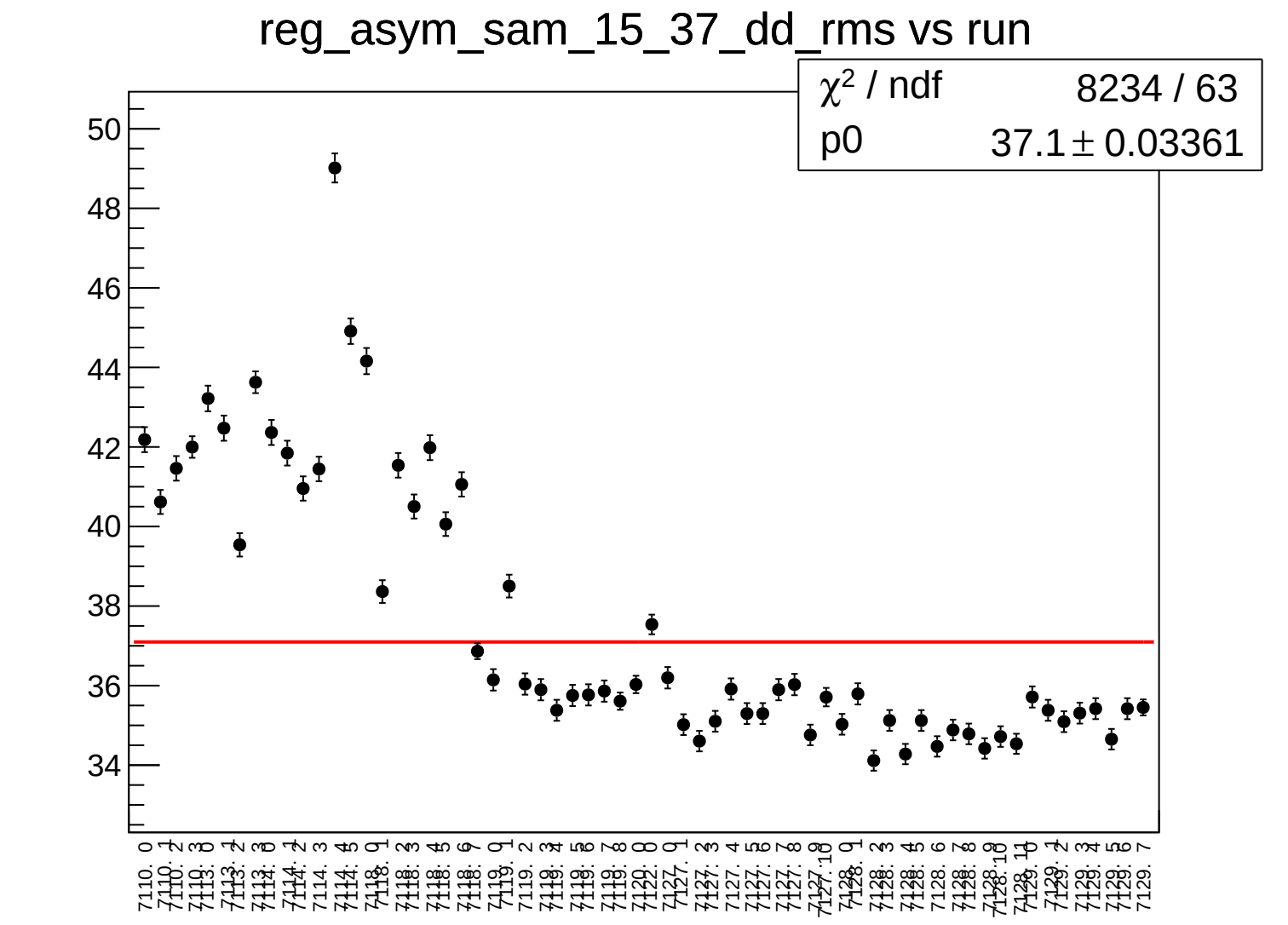

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.22 / 63
p0 −4.699e−15 ± 6.576e−15
pull
Entries 64
Mean 90.18
Std Dev 0

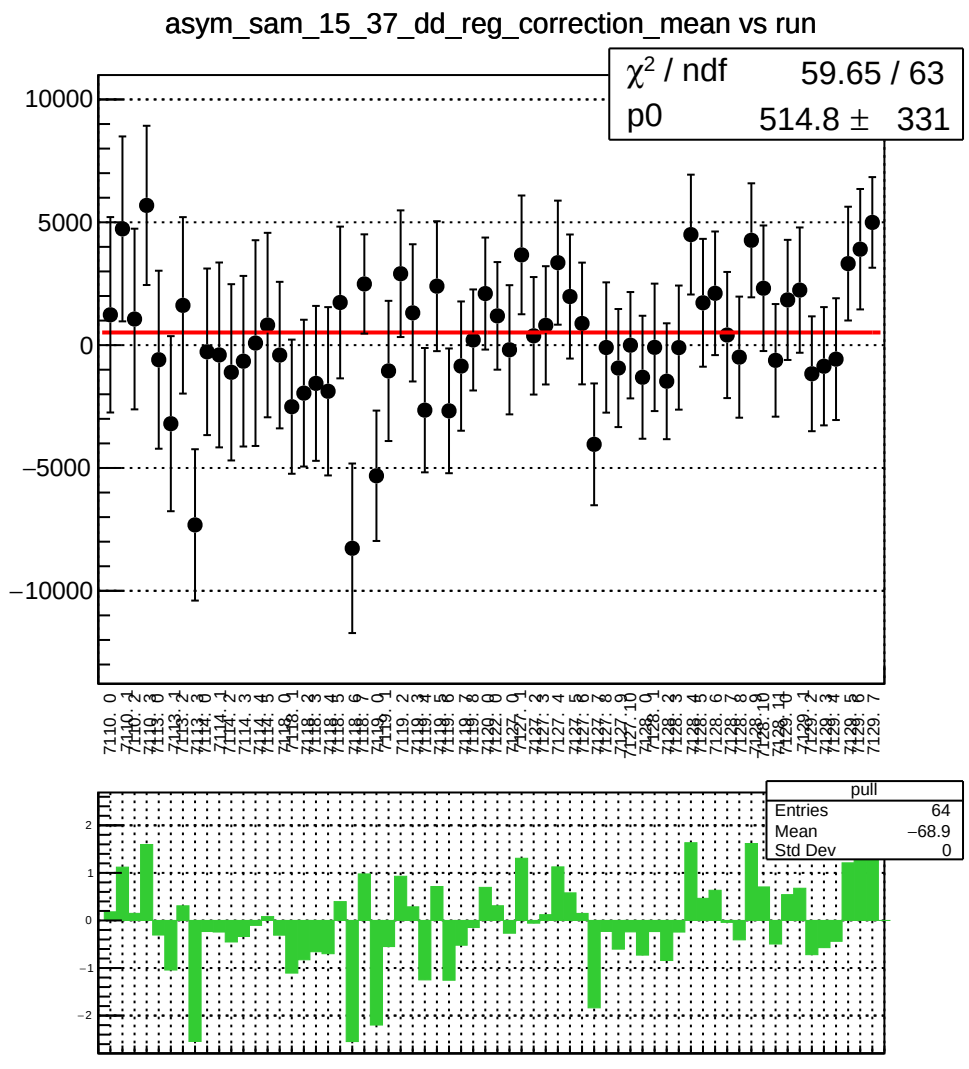

pull1D
Entries 64
Mean −0.05574
Std Dev 0.9844

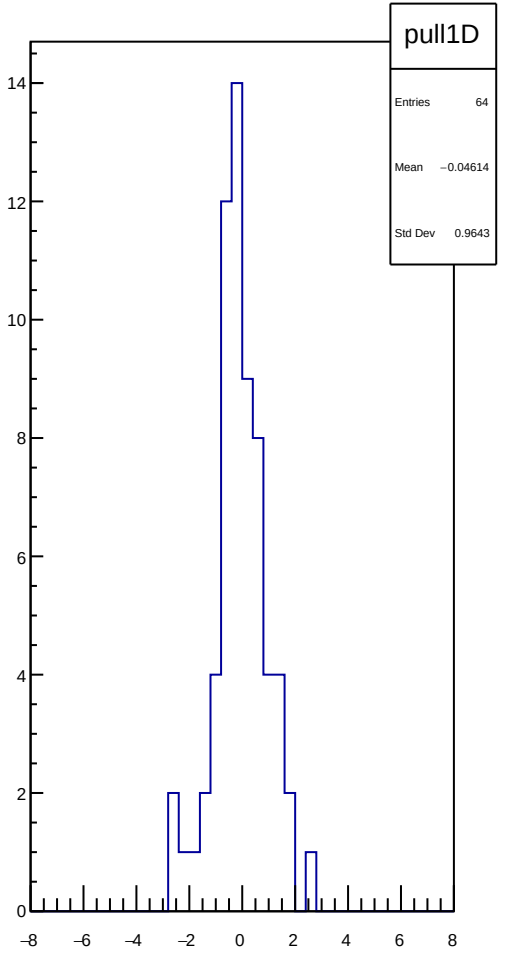

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.068e+05 / 63
p0 4.459e−12 ± 4.65e−15
20
18
16
14
12
10
8
6
4
2

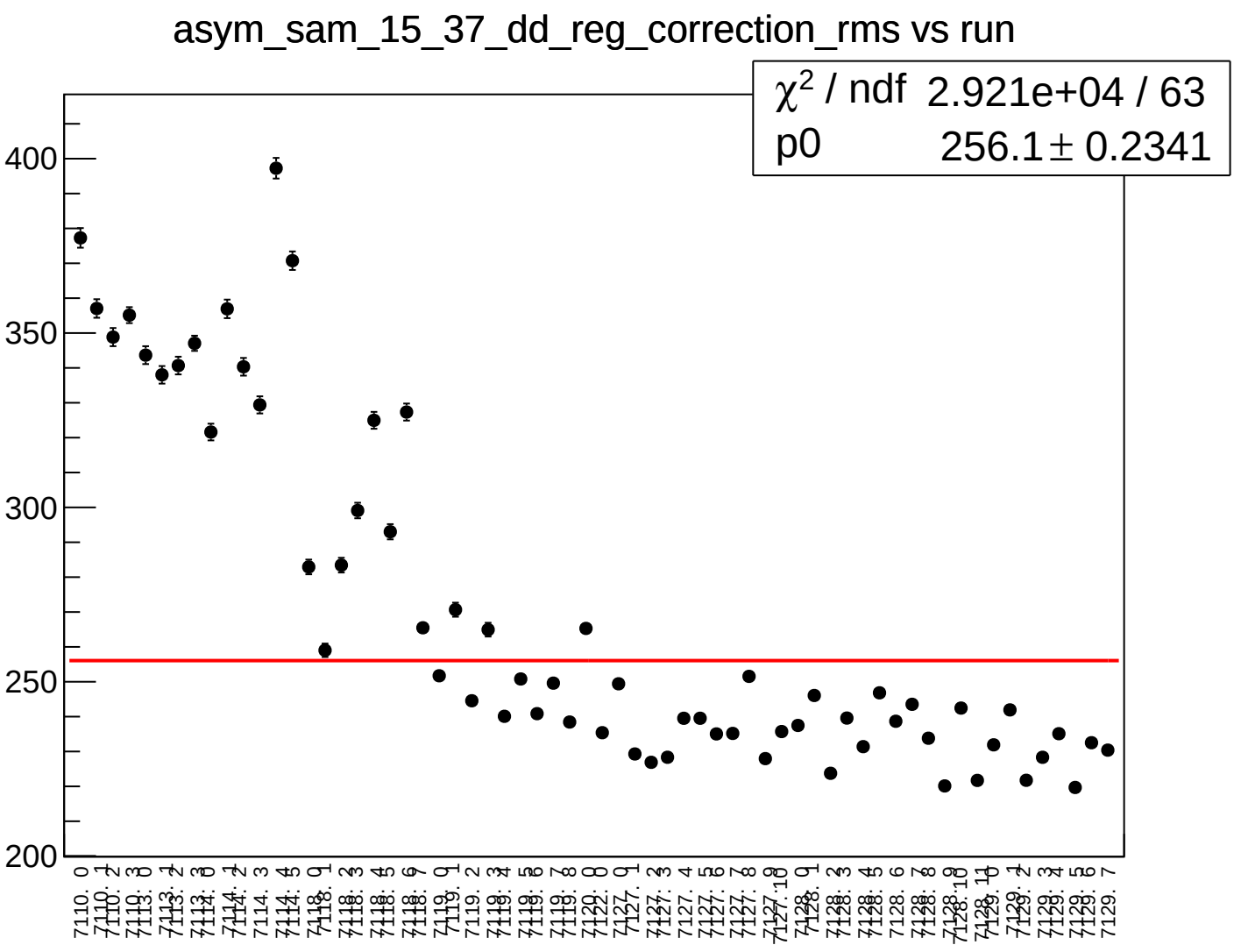

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.35 / 63
p0 −31.28 ± 47.54
pull
Entries 64
Mean −275.1
Std Dev 0

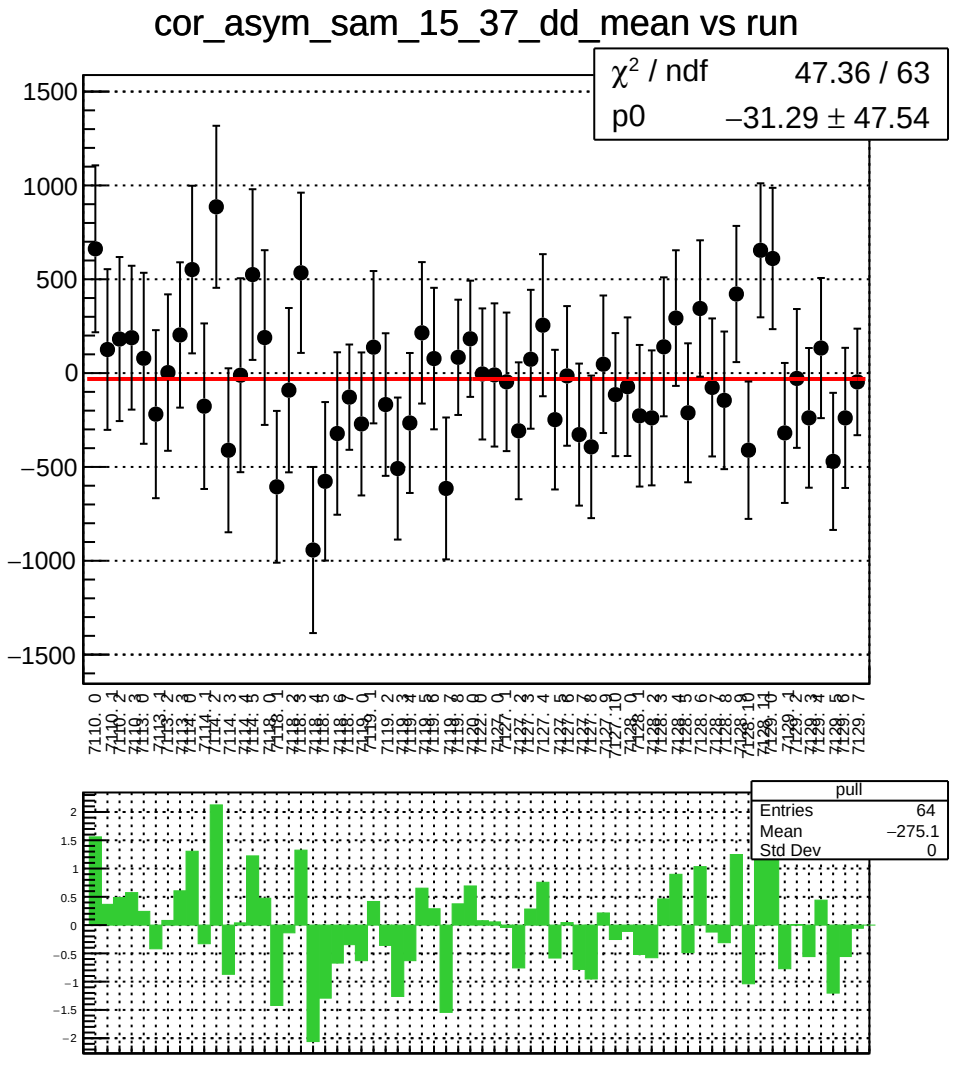

pull1D
Entries 64
Mean 0.005335
Std Dev 0.8602

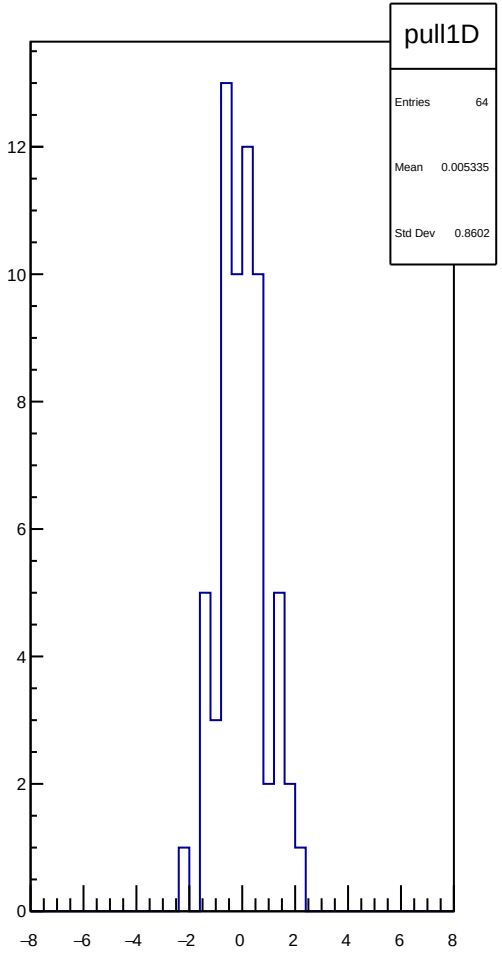

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 8234 / 63
p0 37.1 ± 0.03361
50
48
46
44
42
40
38
36
34

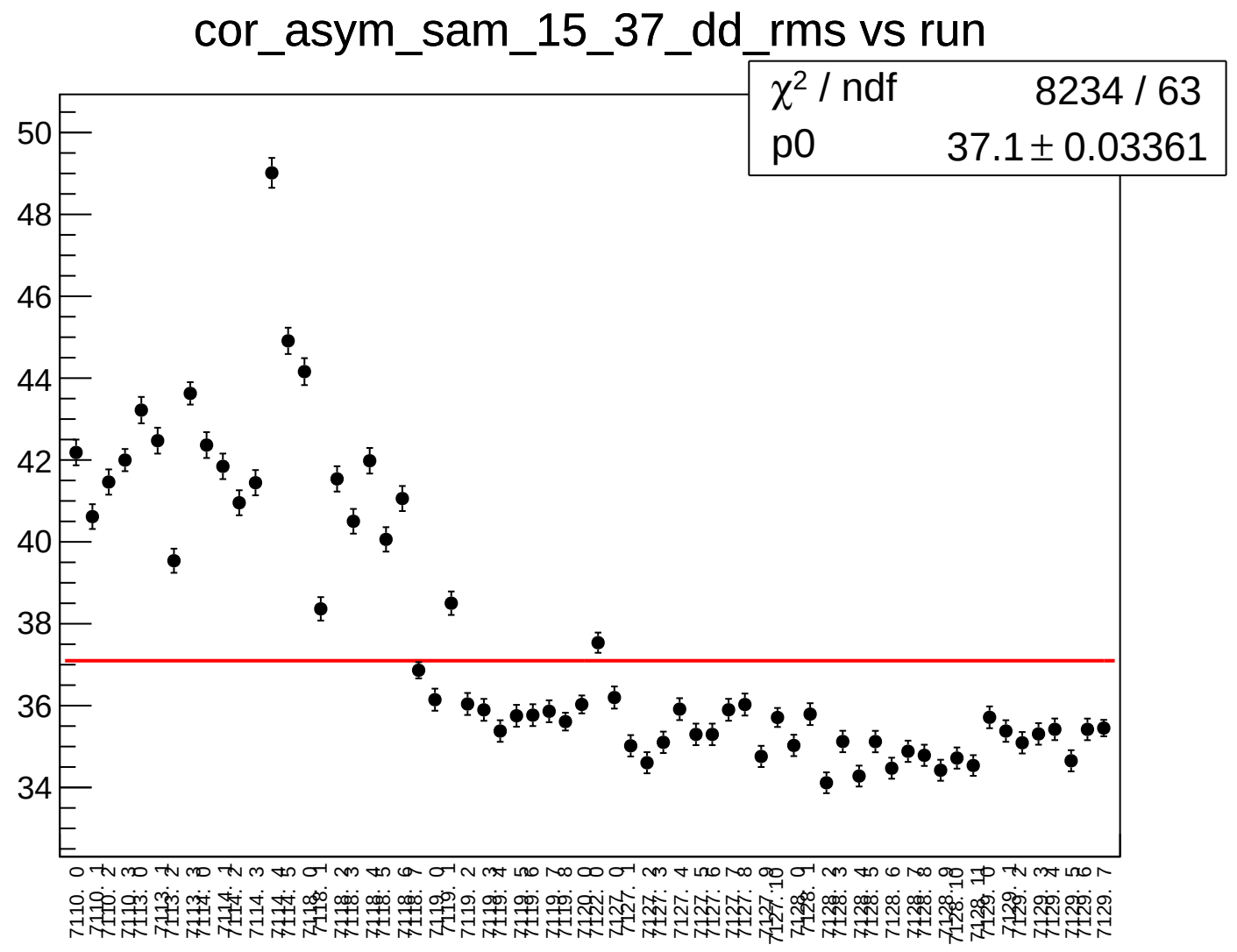

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 59.65 / 63
p0 514.8 ± 331
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −68.9
Std Dev 0
2
1
0
−1
−2

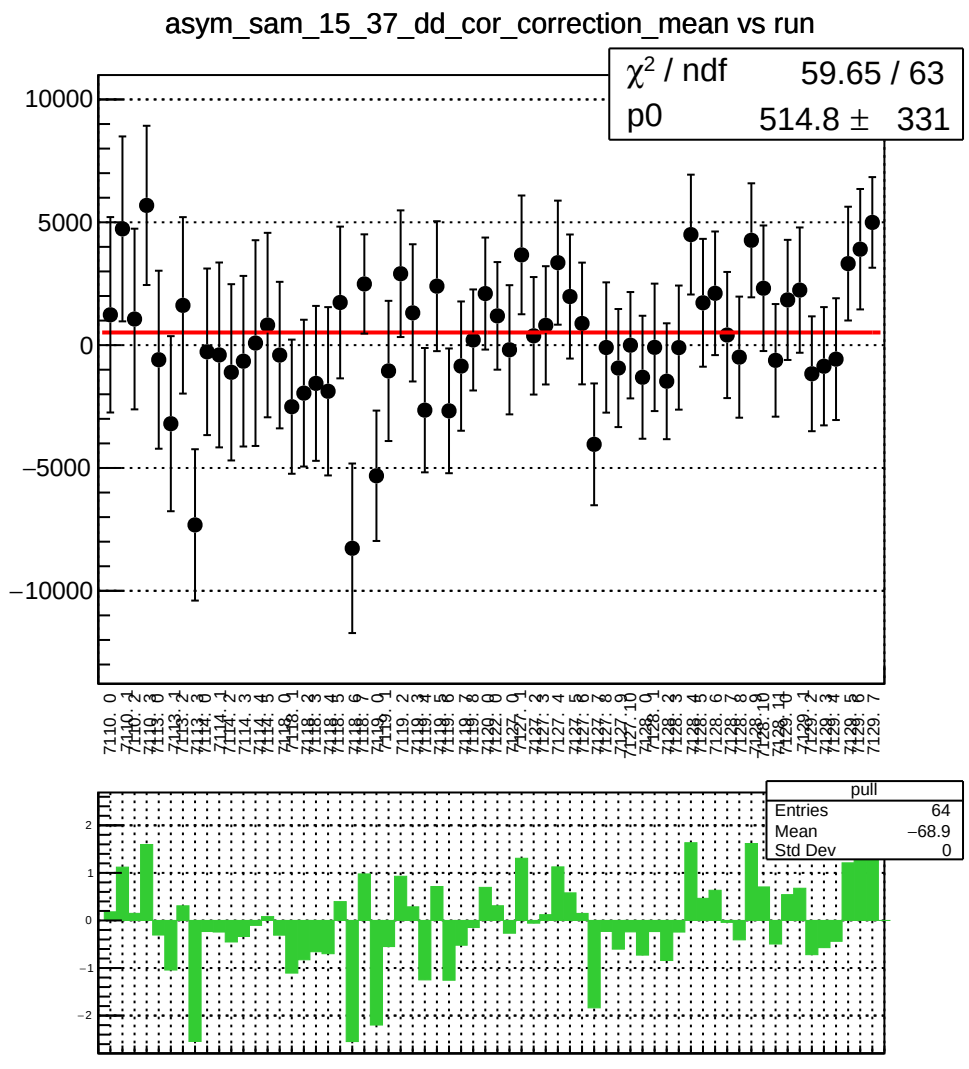

pull1D
Entries 64
Mean −0.04614
Std Dev 0.9643
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

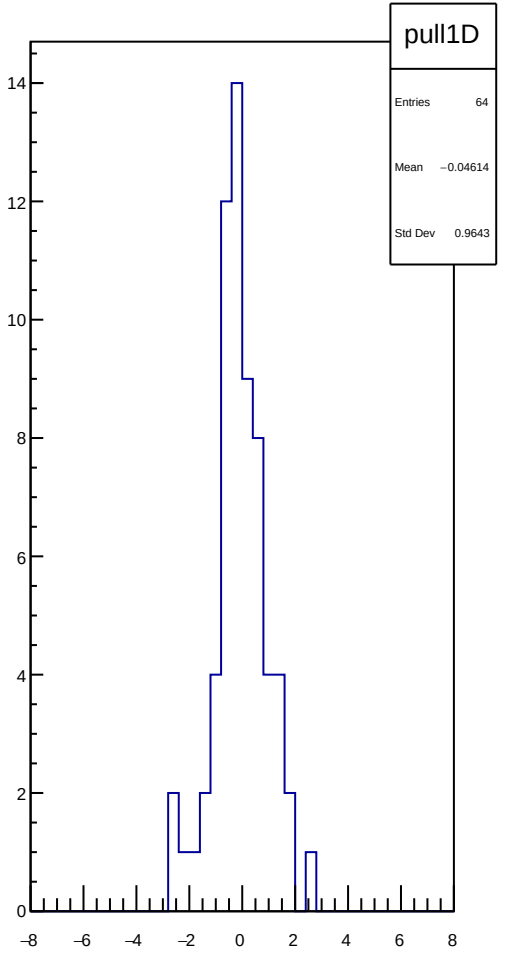

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 2.921e+04 / 63
p0 256.1 ± 0.2341
400
350
300
250
200

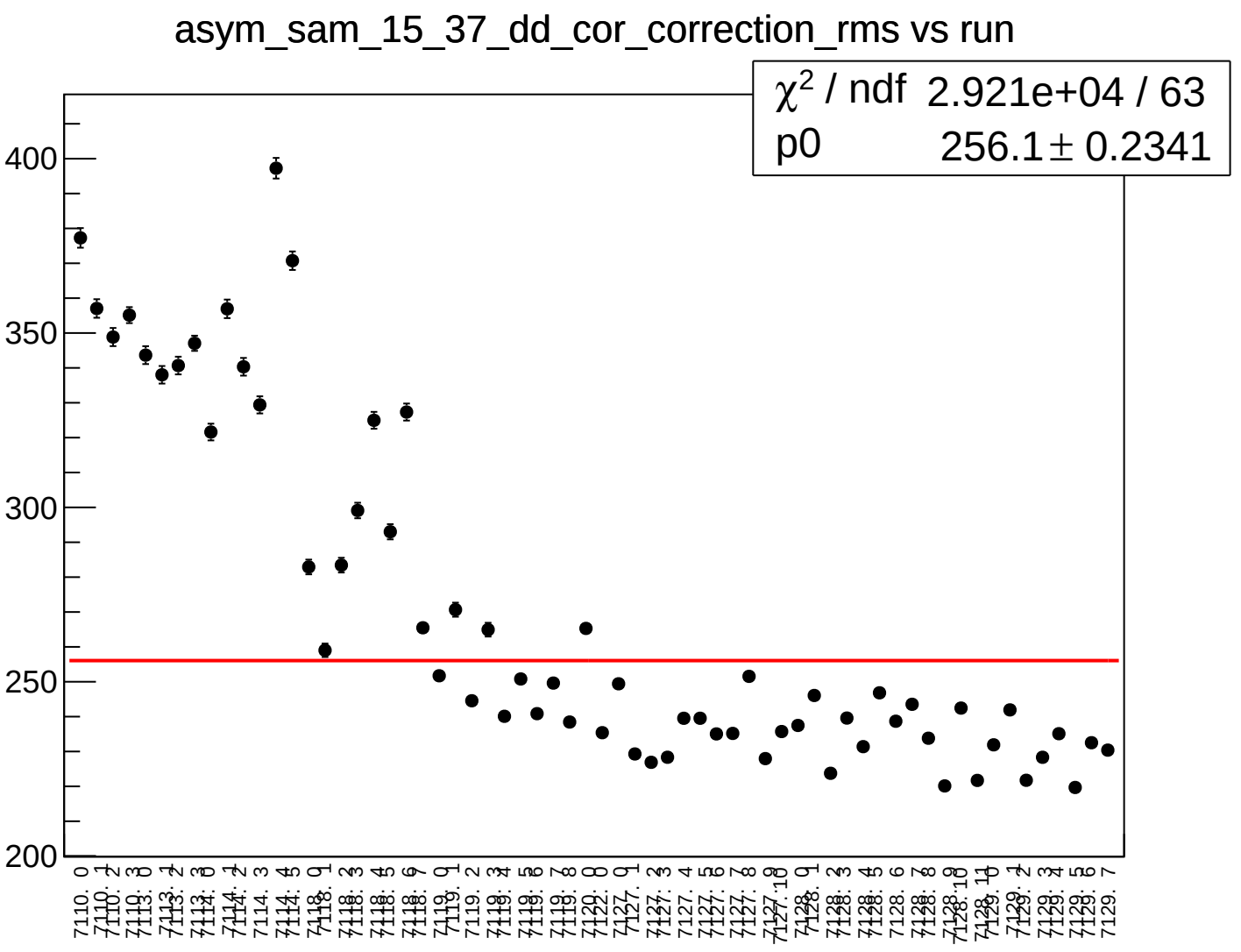

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.36 / 63
p0 −31.29 ± 47.54
pull
Entries 64
Mean −275.1
Std Dev 0

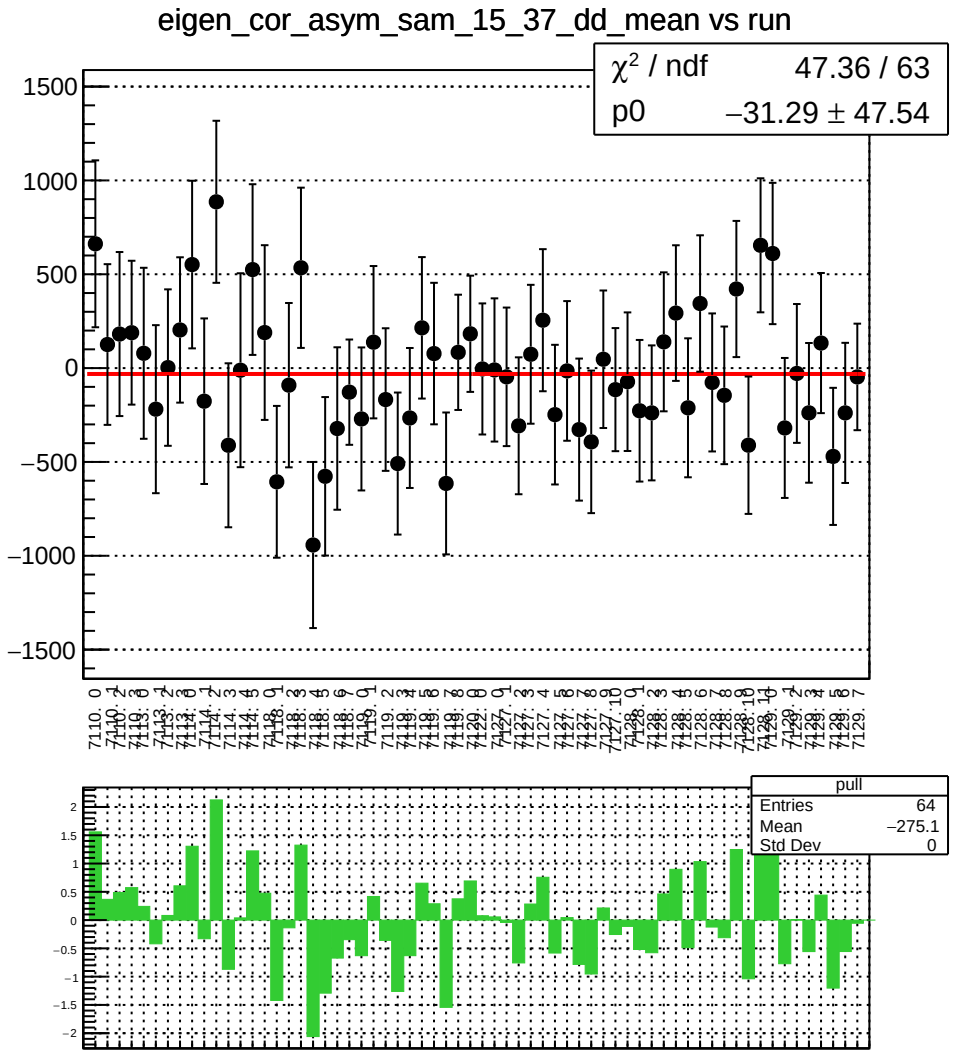

pull1D
Entries 64
Mean 0.005335
Std Dev 0.8602

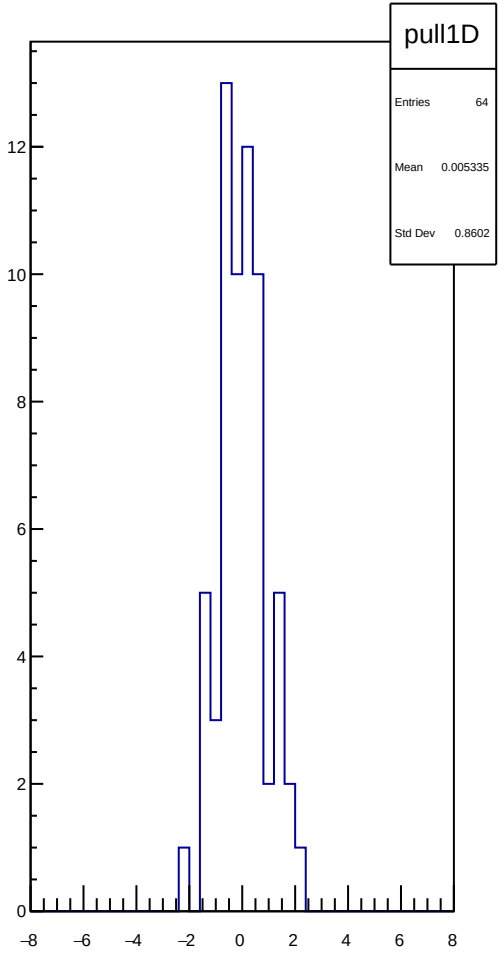

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 8234 / 63
p0 37.1 ± 0.03361
50
48
46
44
42
40
38
36
34

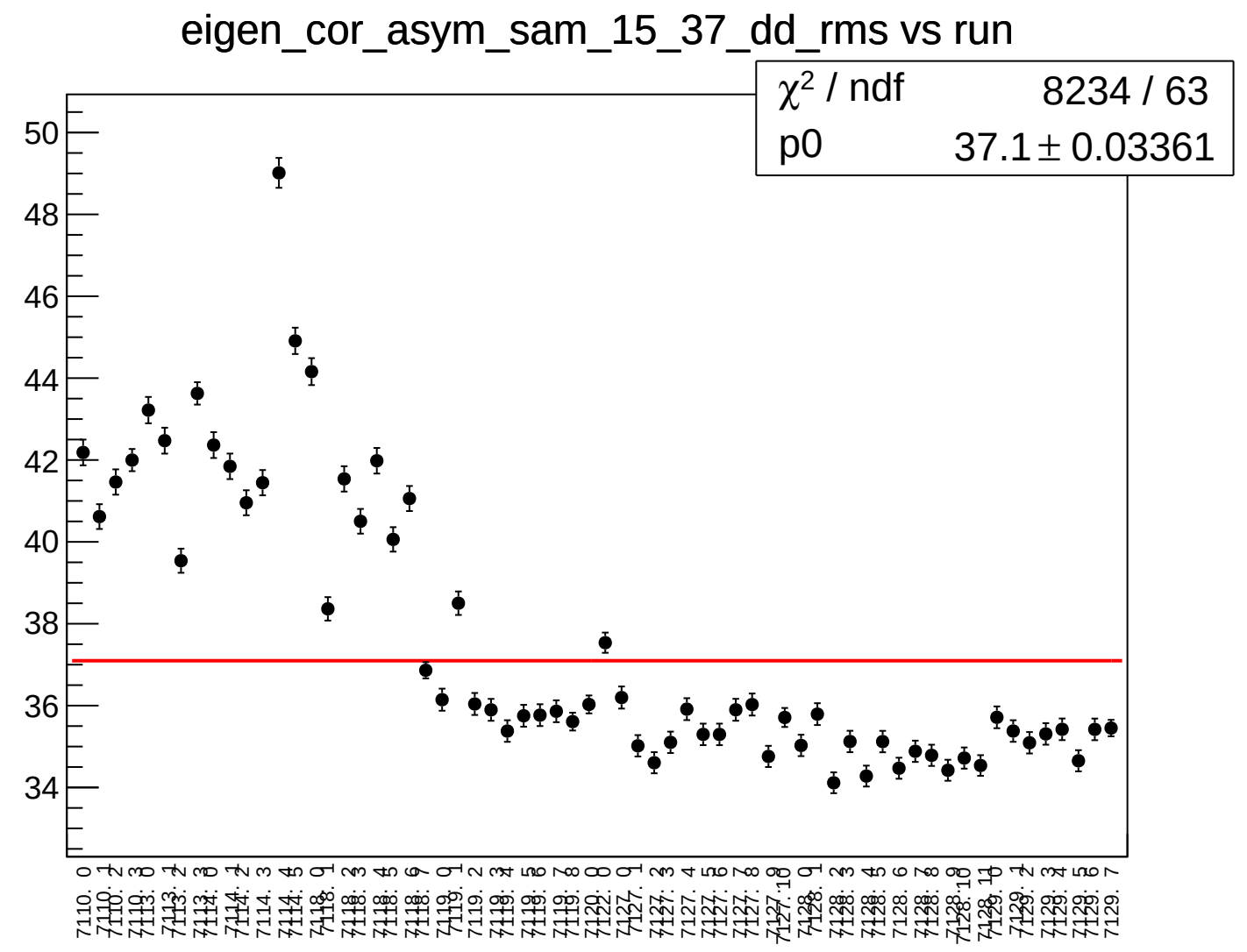

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 59.65 / 63
p0 514.8 ± 331
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −68.9
Std Dev 0
2
1
0
−1
−2

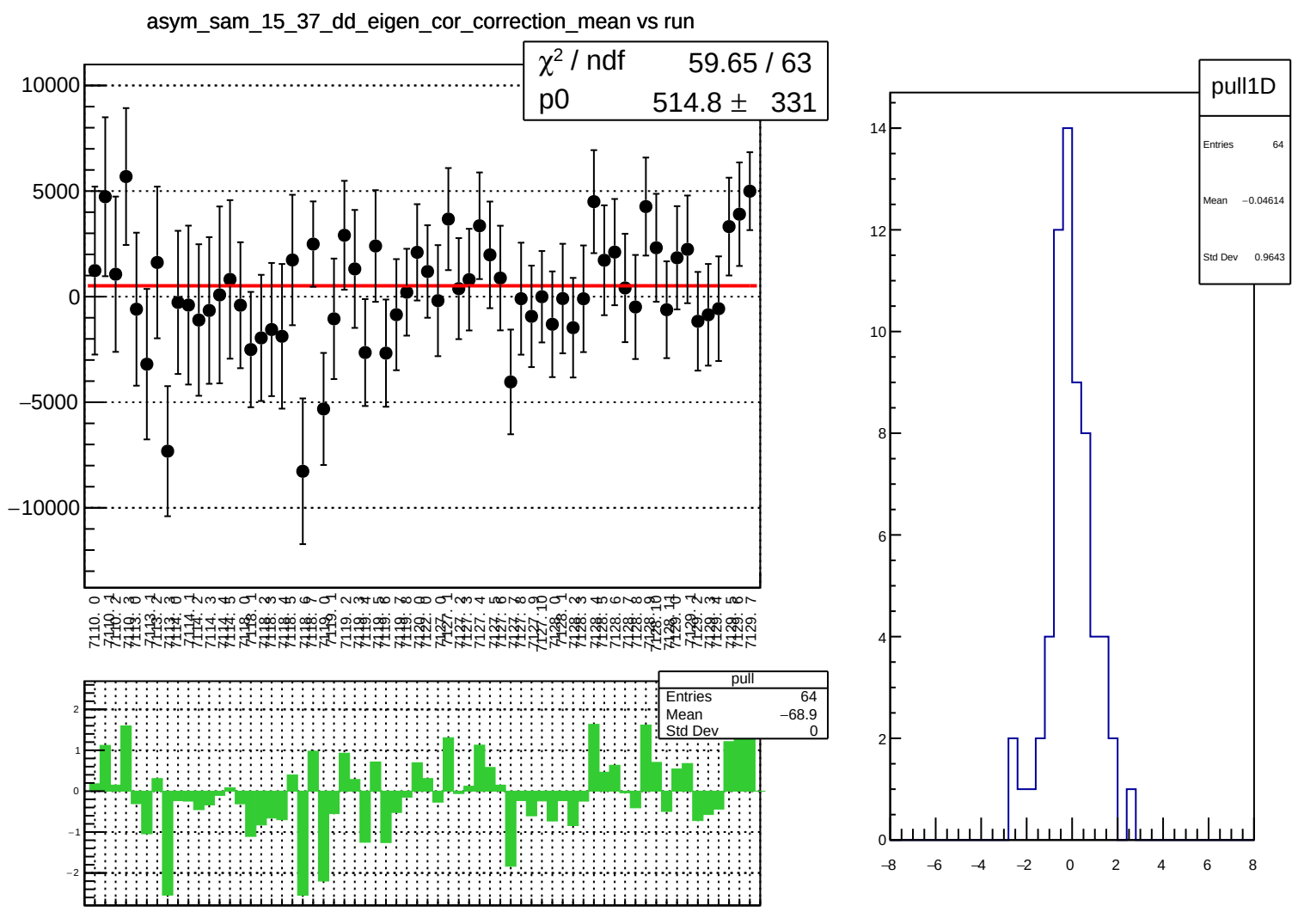

pull1D
Entries 64
Mean −0.04614
Std Dev 0.9643
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

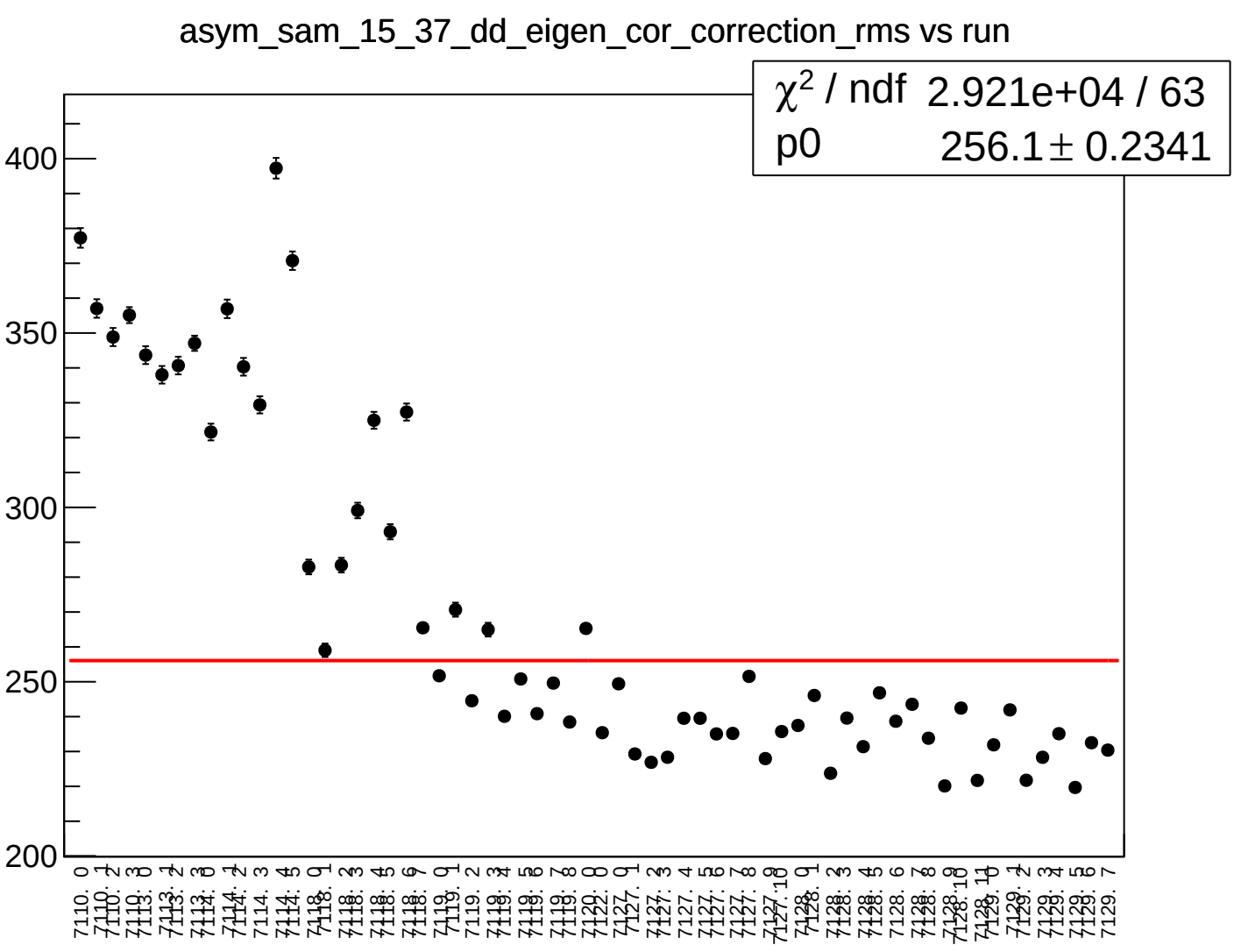

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 2.921e+04 / 63
p0 256.1 ± 0.2341
400
350
300
250
200

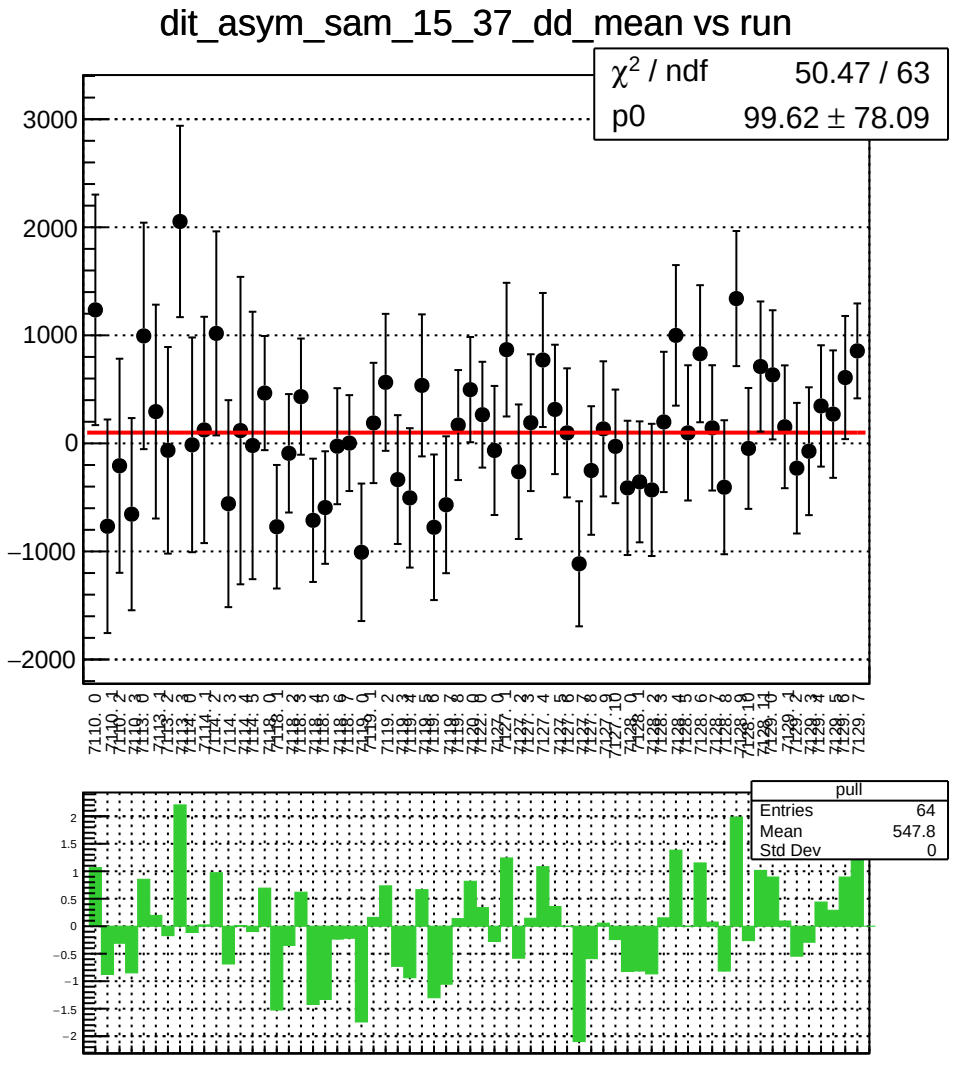

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.36 / 63
p0 −31.29 ± 47.54
pull
Entries 64
Mean −275.1
Std Dev 0

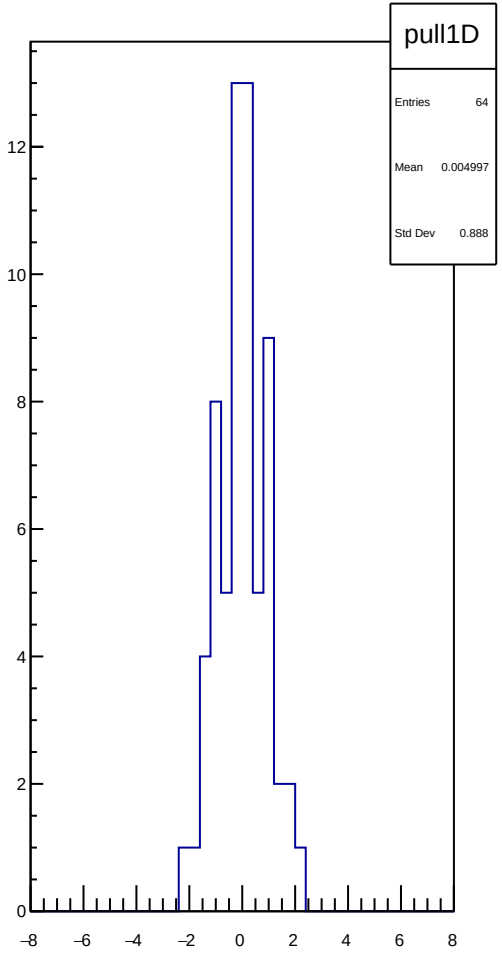

pull1D
Entries 64
Mean 0.005335
Std Dev 0.8602

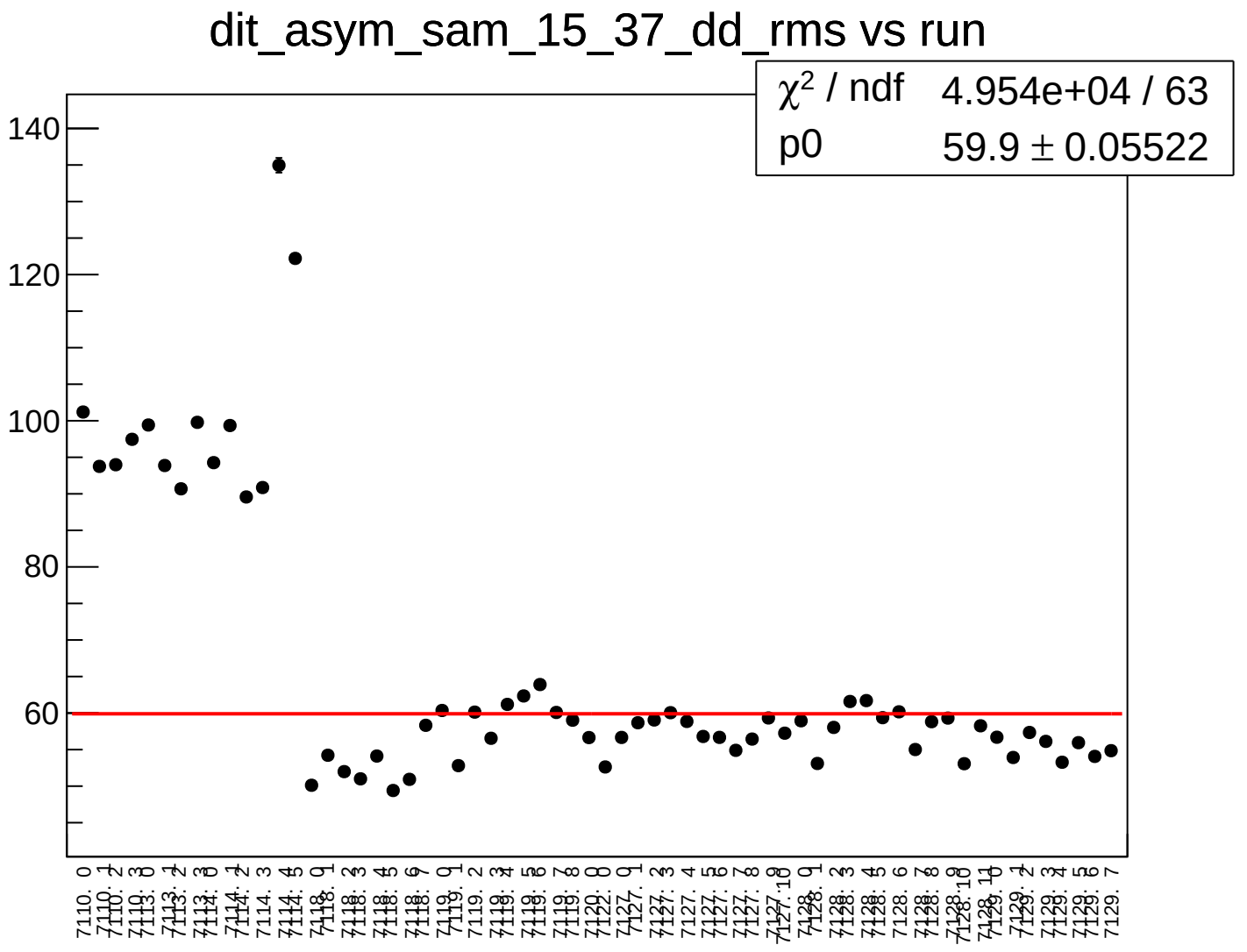

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 8234 / 63
p0 37.1 ± 0.03361
50
48
46
44
42
40
38
36
34

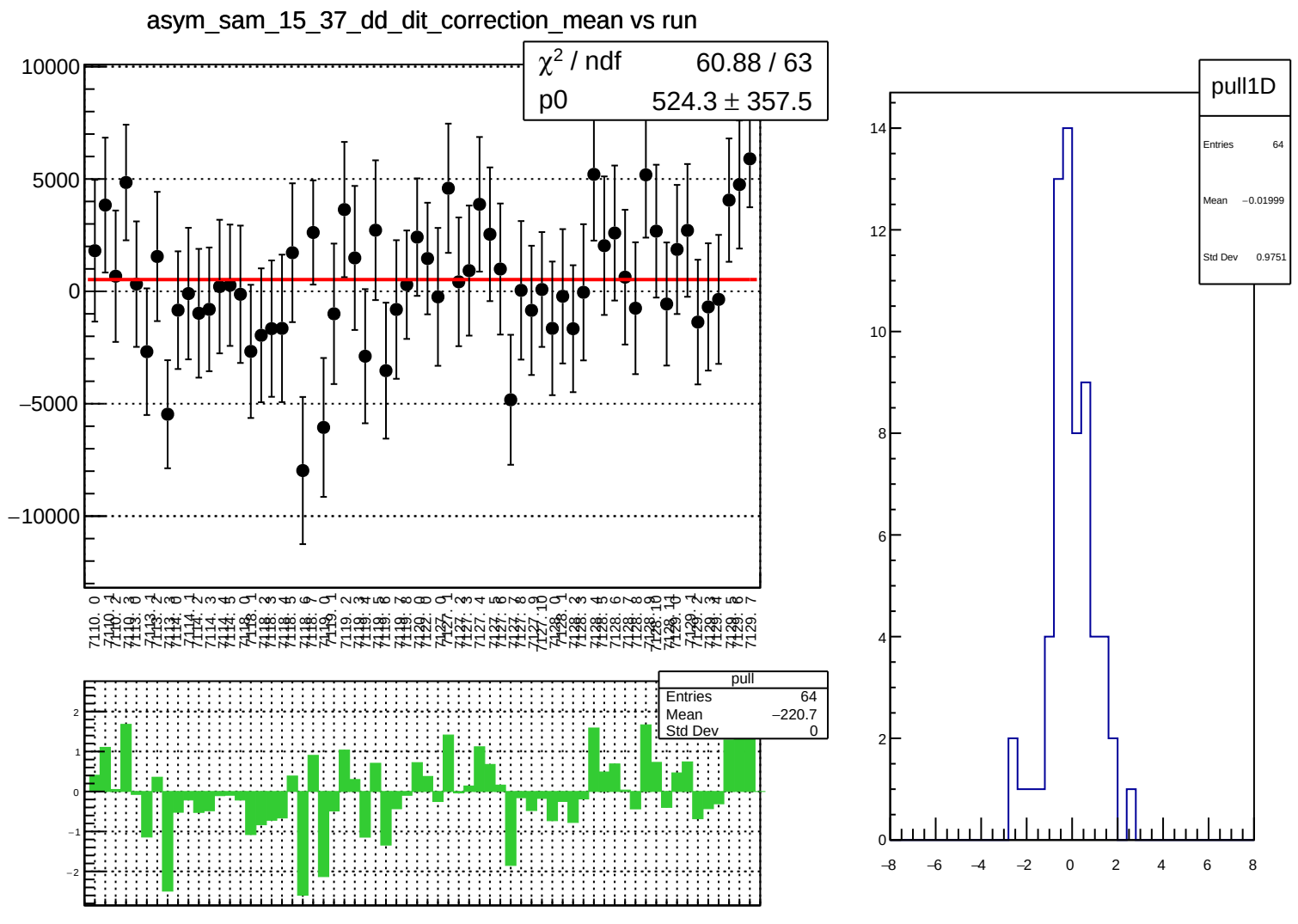

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.65 / 63
p0 514.8 ± 331
pull
Entries 64
Mean −68.9
Std Dev 0
pull1D
Entries 64
Mean −0.04614
Std Dev 0.9643

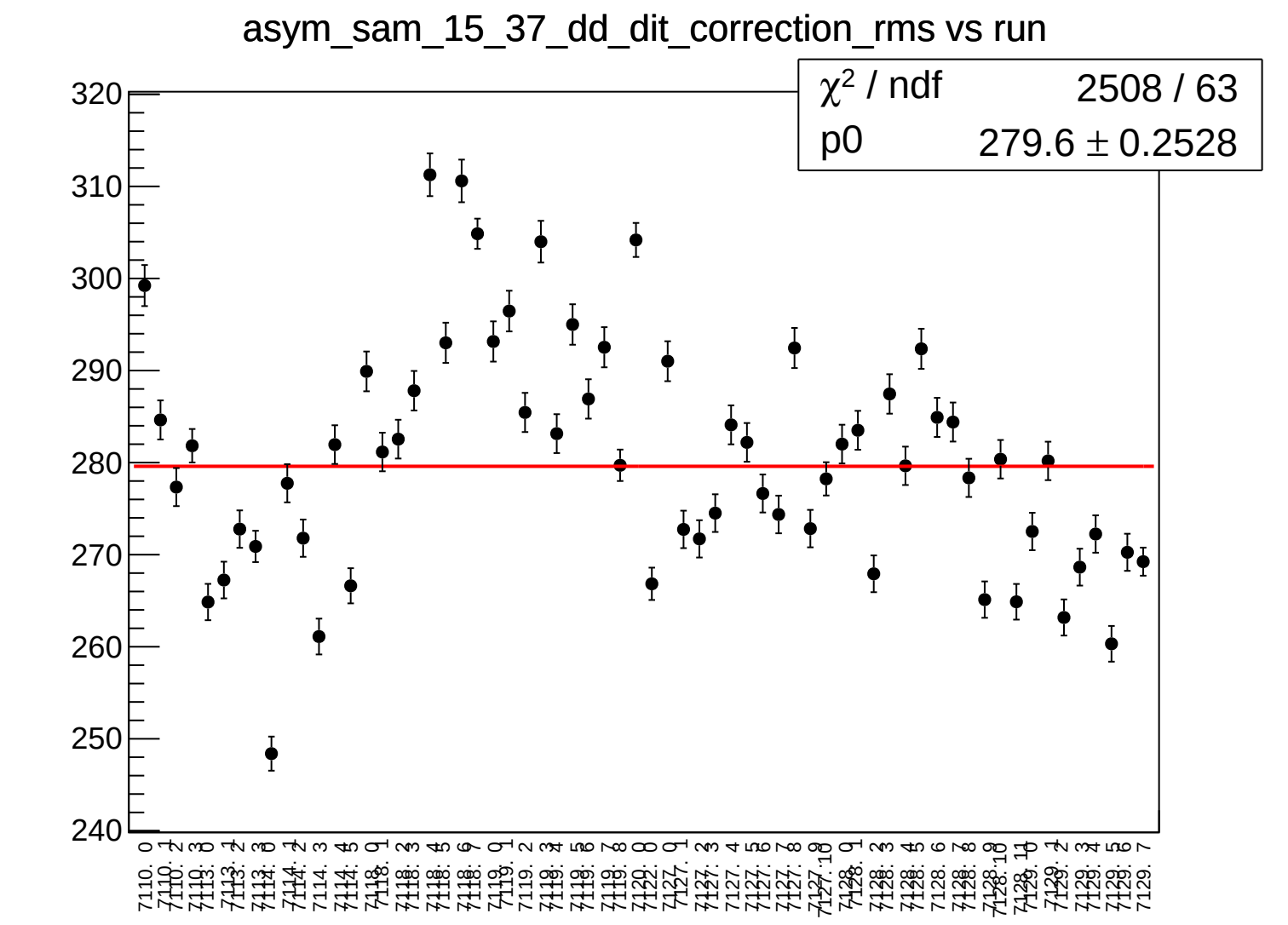

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.921e+04 / 63
p0 256.1 ± 0.2341
400
350
300
250
200

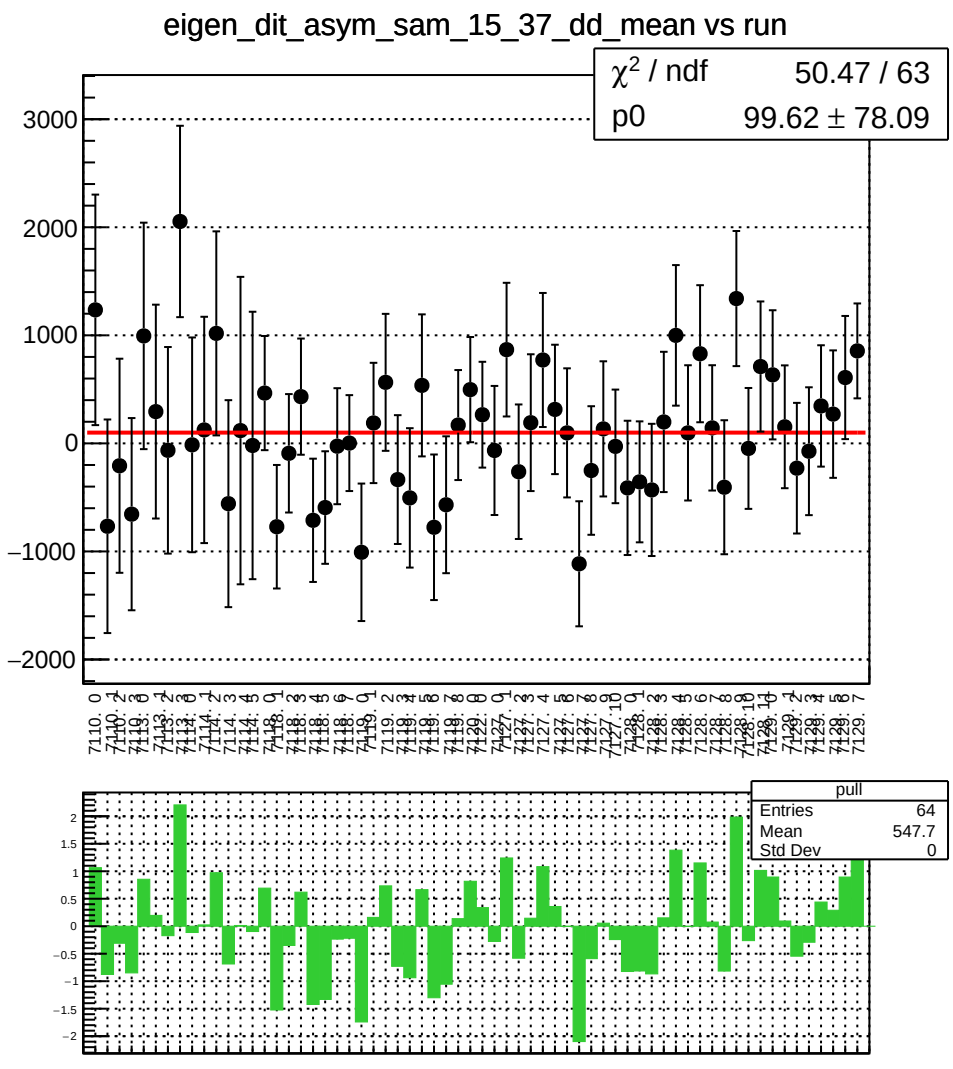

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.47 / 63
p0 99.62 ± 78.09
3000
2000
1000
0
−1000
−2000
pull
Entries 64
Mean 547.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

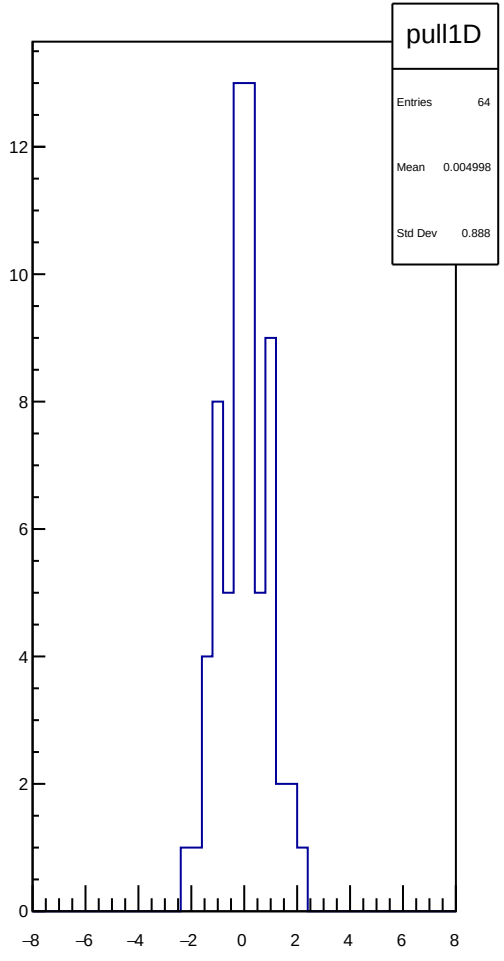

pull1D
Entries 64
Mean 0.004997
Std Dev 0.888
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

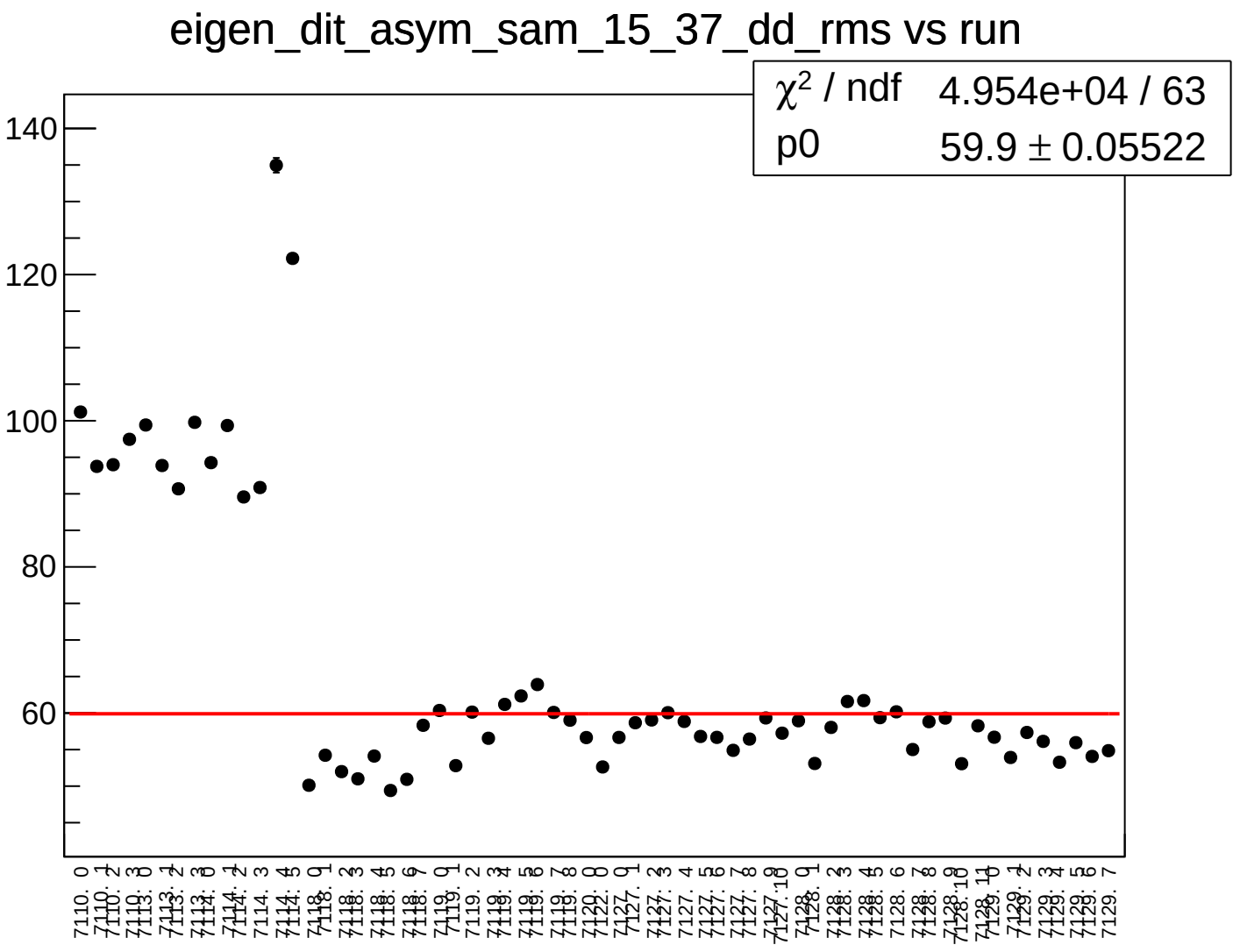

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 4.954e+04 / 63
p0 59.9 ± 0.05522
140
120
100
80
60

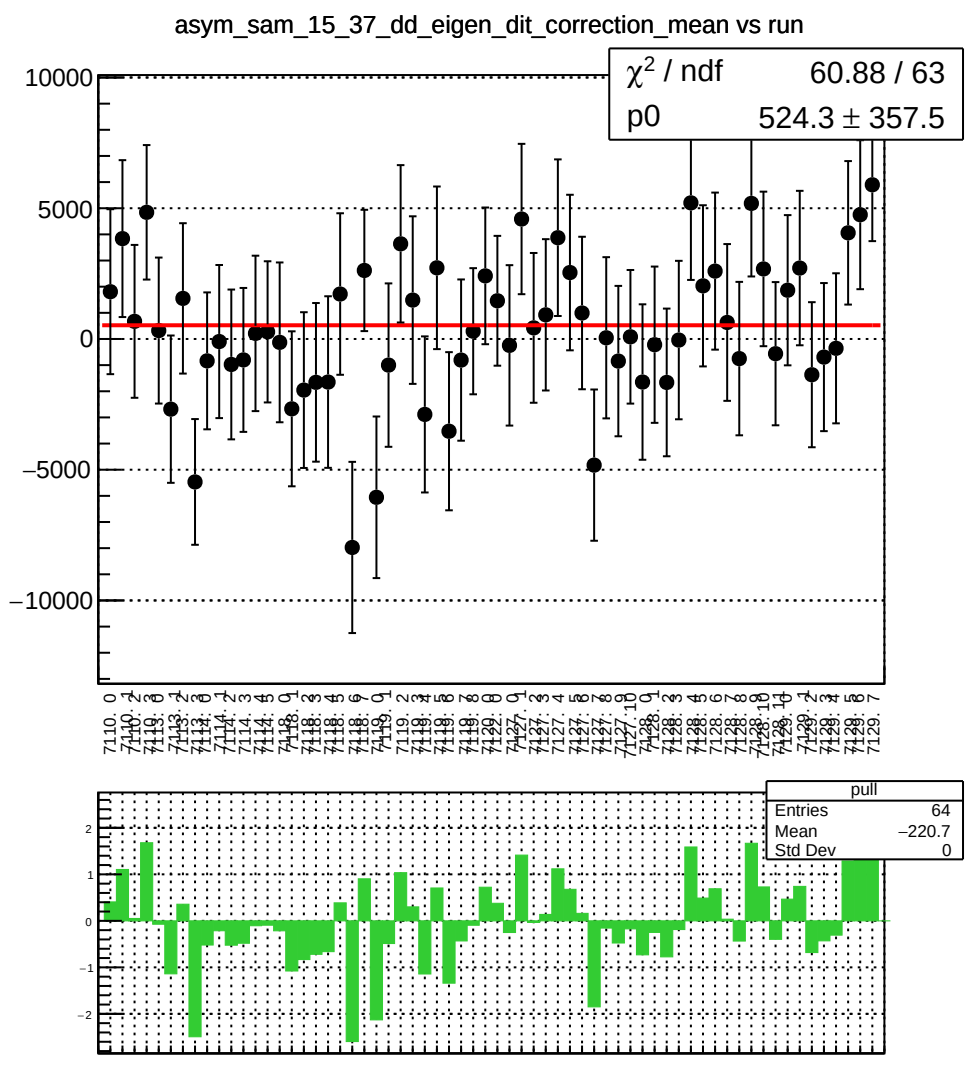

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 60.88 / 63
p0 524.3 ± 357.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −220.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 64
Mean −0.01999
Std Dev 0.9751
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

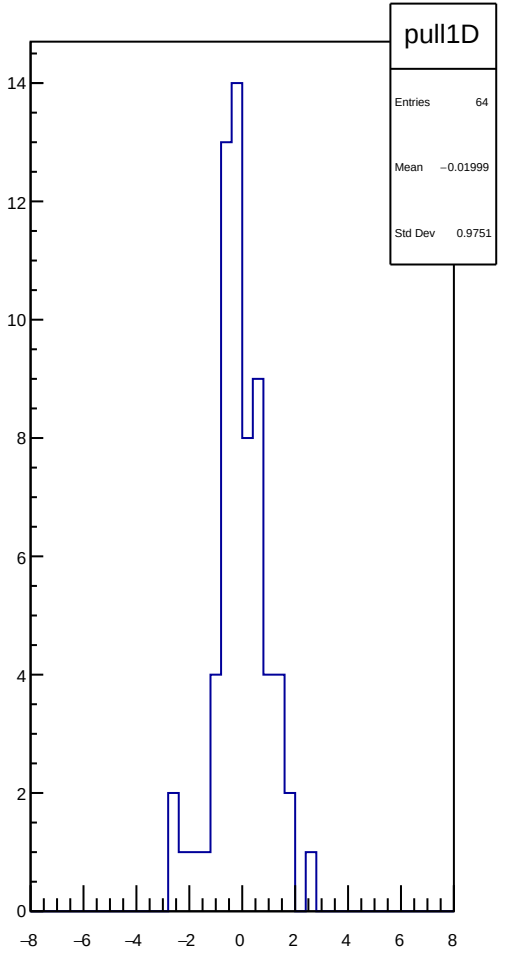

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 2508 / 63
p0 279.6 ± 0.2528
320
310
300
290
280
270
260
250
240

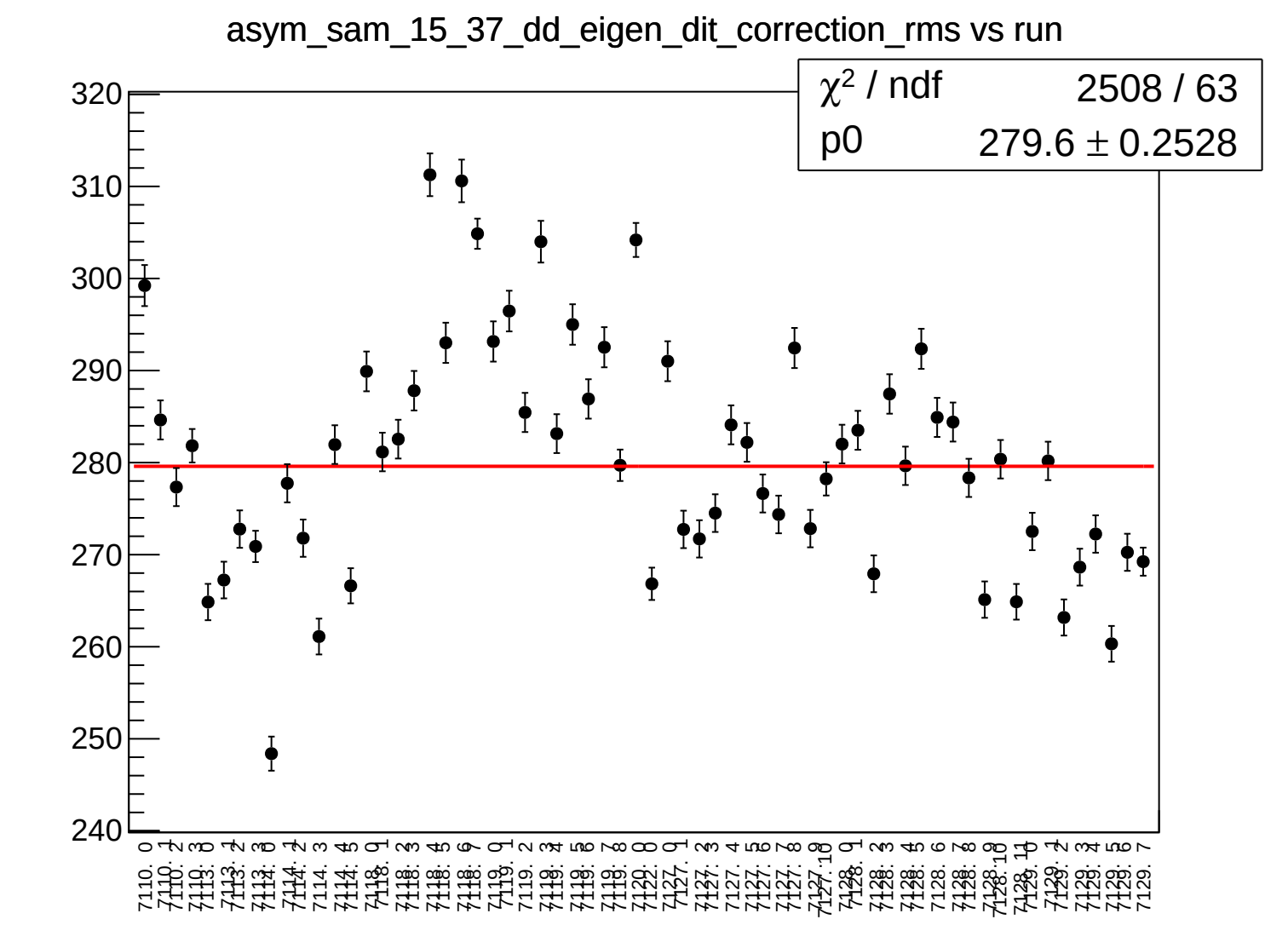

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.47 / 63
p0 99.62 ± 78.09
3000
2000
1000
0
−1000
−2000
pull
Entries 64
Mean 547.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

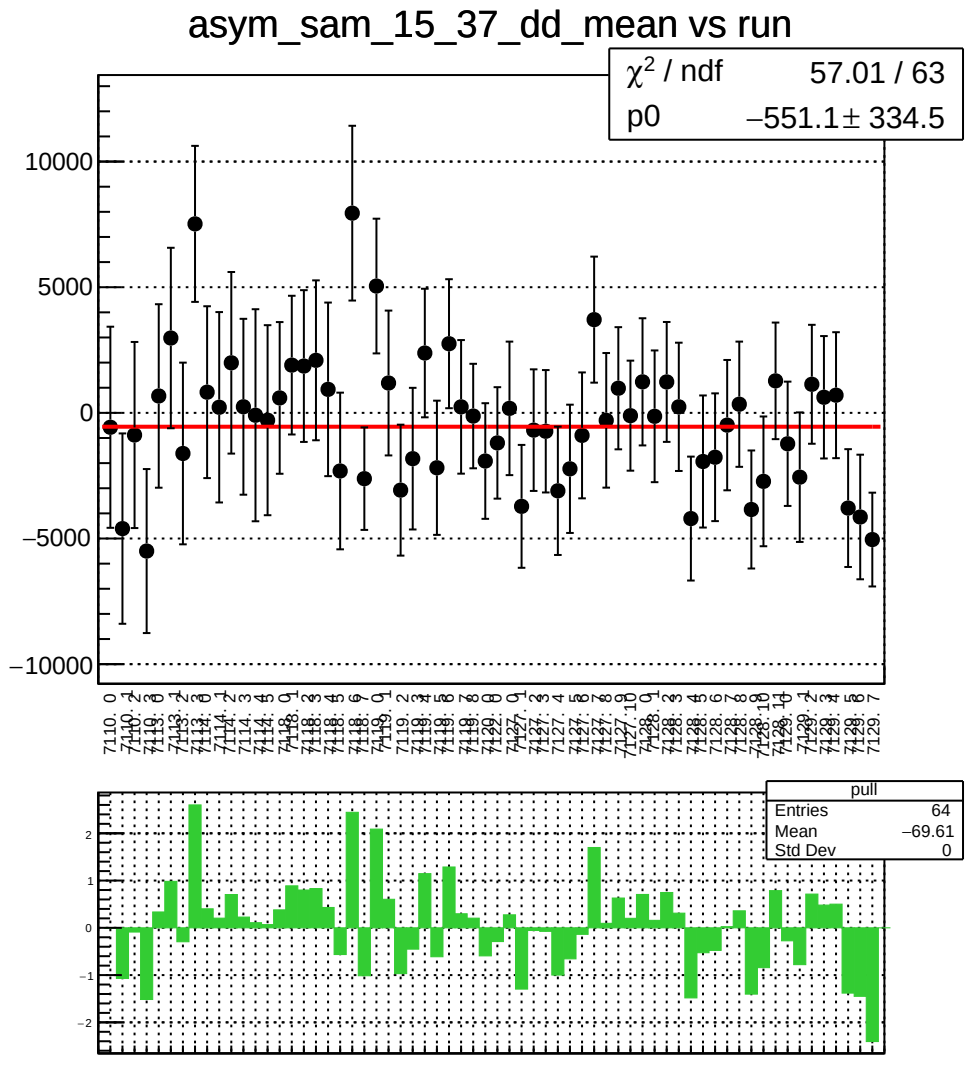

pull1D
Entries 64
Mean 0.004998
Std Dev 0.888
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

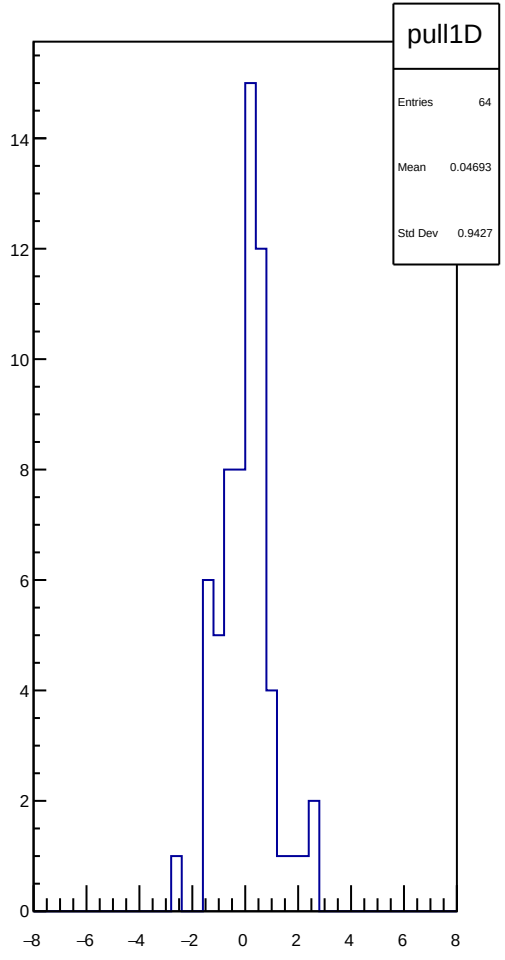

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 4.954e+04 / 63
p0 59.9 ± 0.05522
140
120
100
80
60

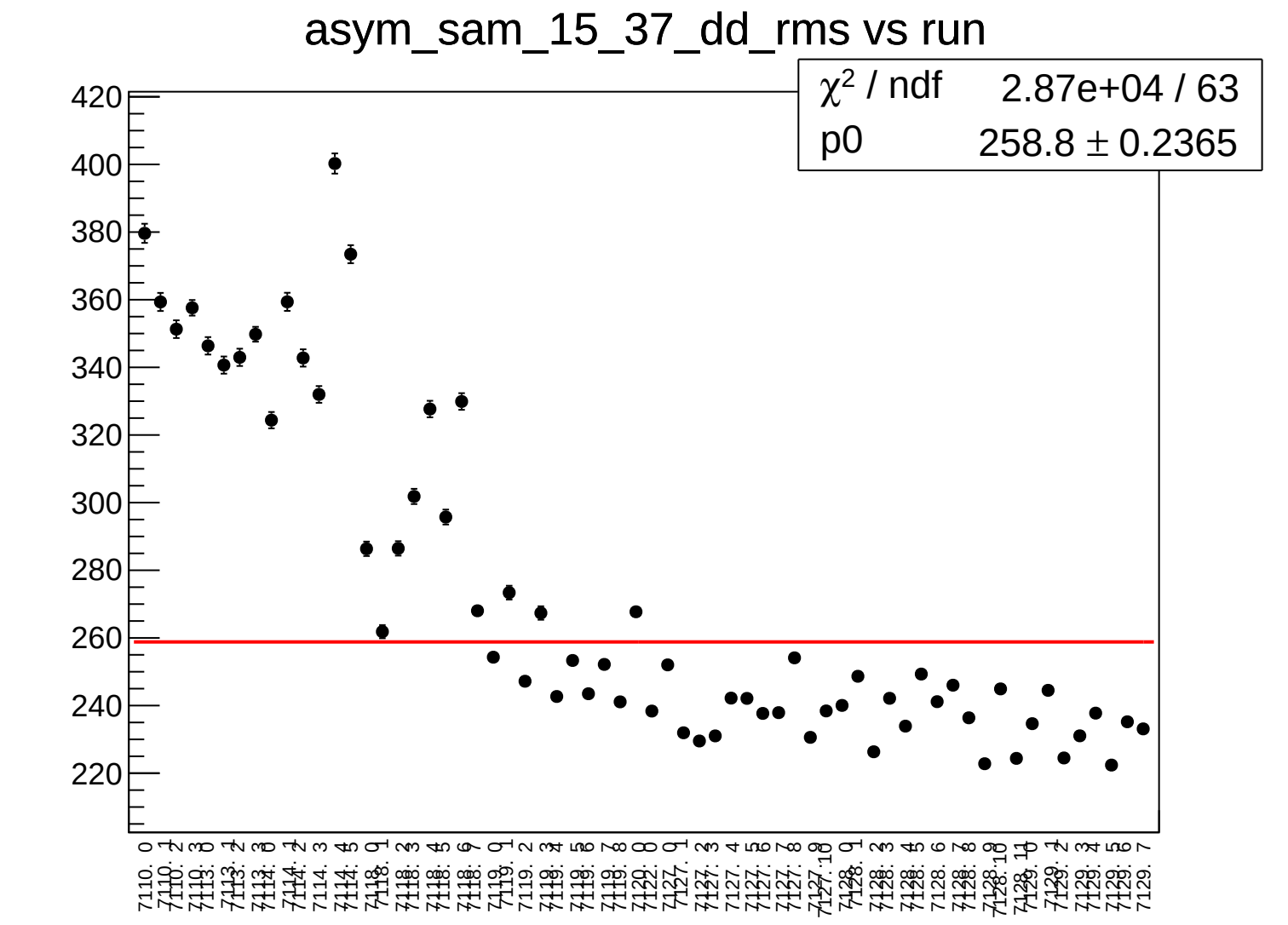

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.88 / 63
p0 524.3 ± 357.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −220.7
Std Dev 0
2
1
0
−1
−2

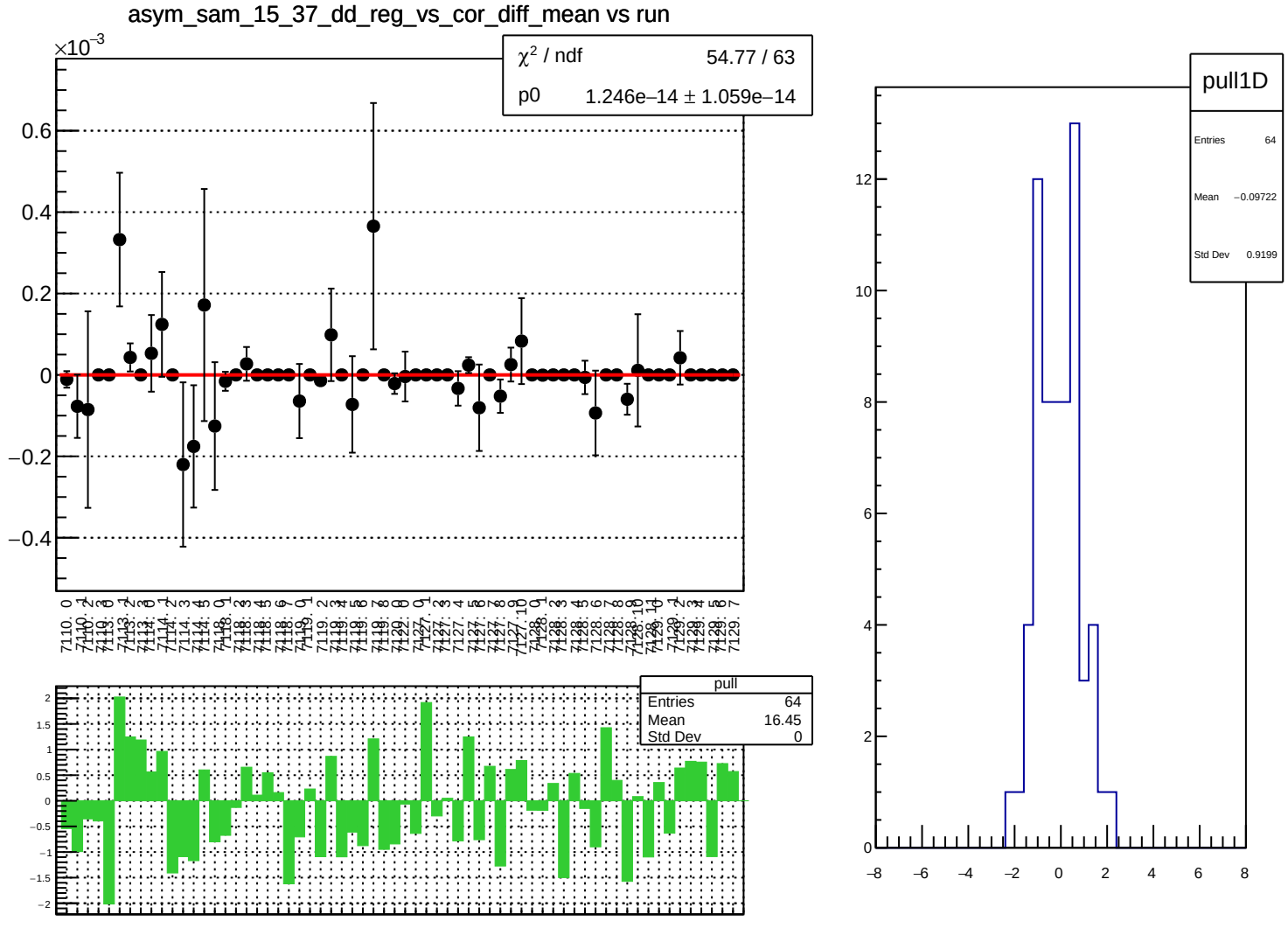

pull1D
Entries 64
Mean −0.01999
Std Dev 0.9751
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

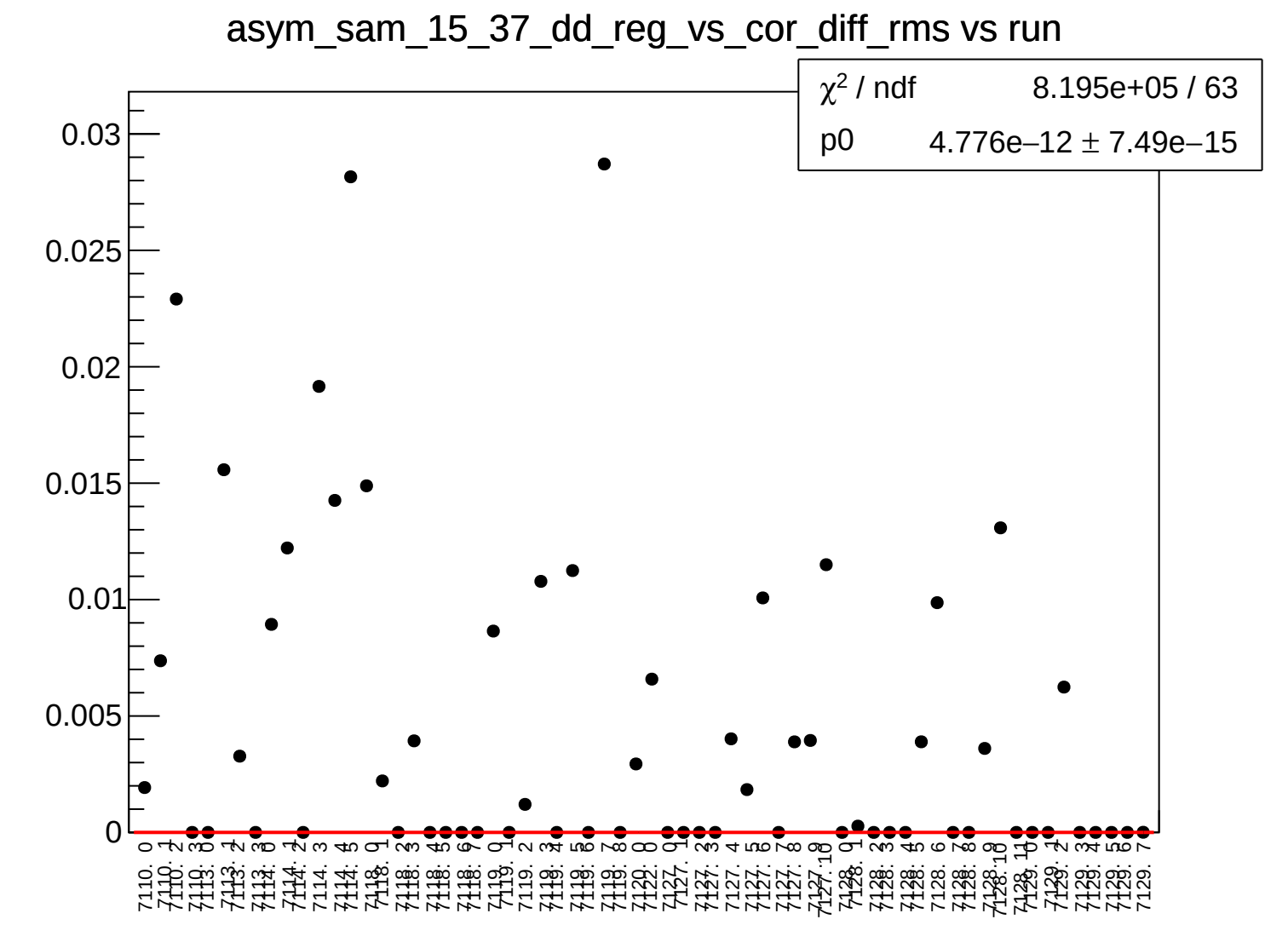

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2508 / 63
p0 279.6 ± 0.2528
320
310
300
290
280
270
260
250
240

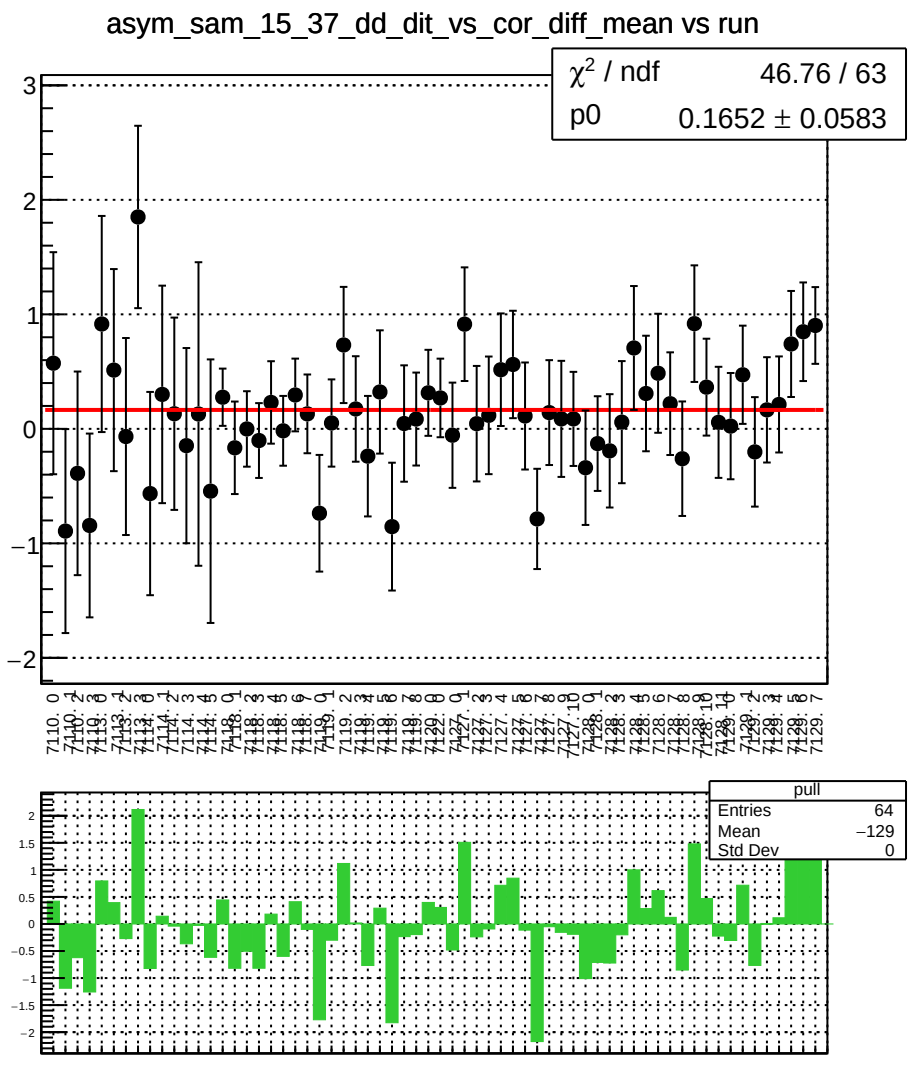

asym_sam_15_37_dd_mean vs run
χ² / ndf 57.01 / 63
p0 −551.1± 334.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −69.61
Std Dev 0
2
1
0
−1
−2

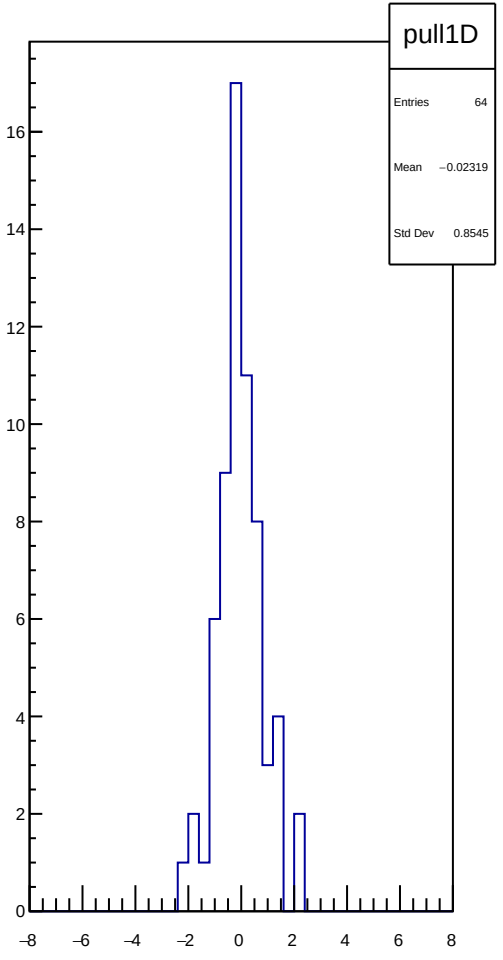

pull1D
Entries 64
Mean 0.04693
Std Dev 0.9427
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

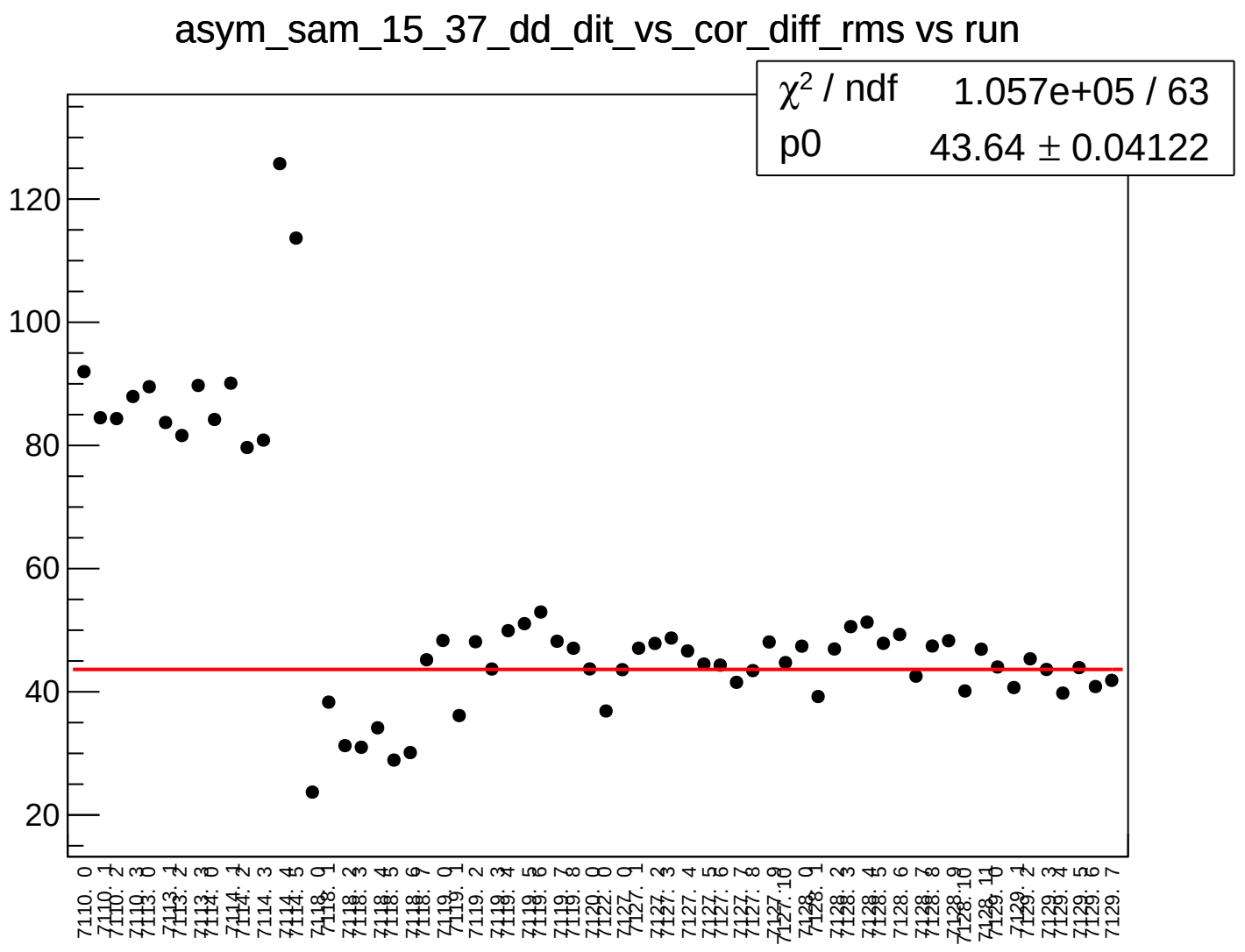

asym_sam_15_37_dd_rms vs run
χ² / ndf 2.87e+04 / 63
p0 258.8 ± 0.2365
420
400
380
360
340
320
300
280
260
240
220


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 54.77 / 63
p0 1.246e−14 ± 1.059e−14
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 64
Mean 16.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean −0.09722
Std Dev 0.9199
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

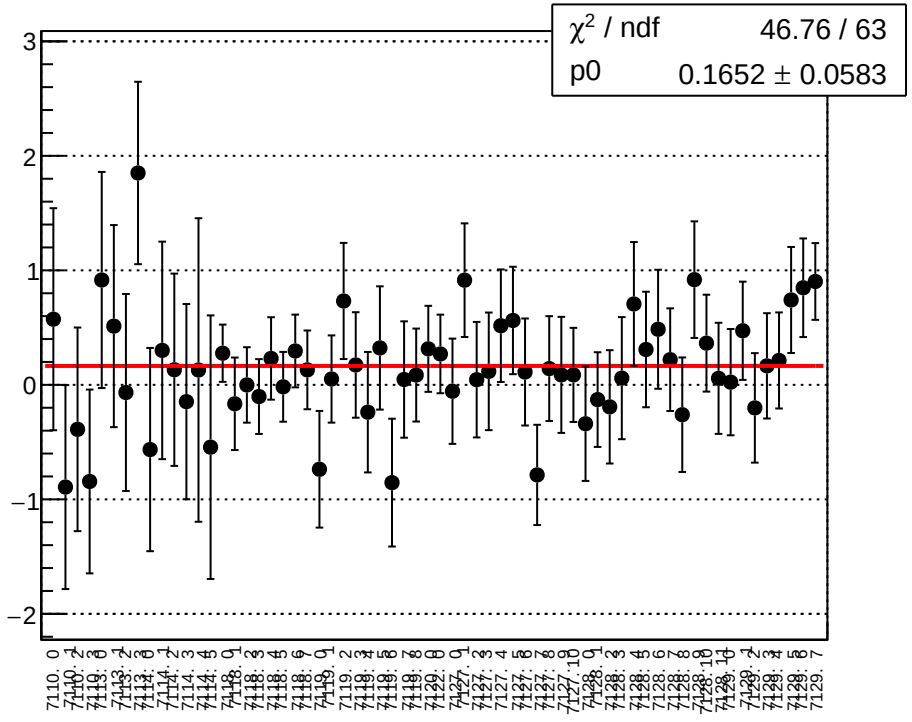

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.195e+05 / 63
p0 4.776e−12 ± 7.49e−15
0.03
0.025
0.02
0.015
0.01
0.005
0

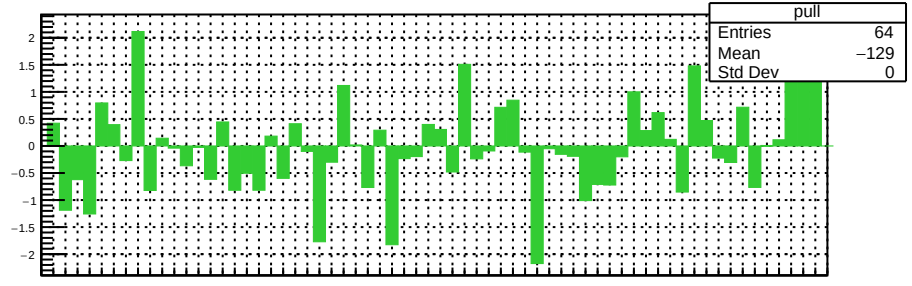

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.76 / 63
p0 0.1652 ± 0.0583
pull
Entries 64
Mean −129
Std Dev 0

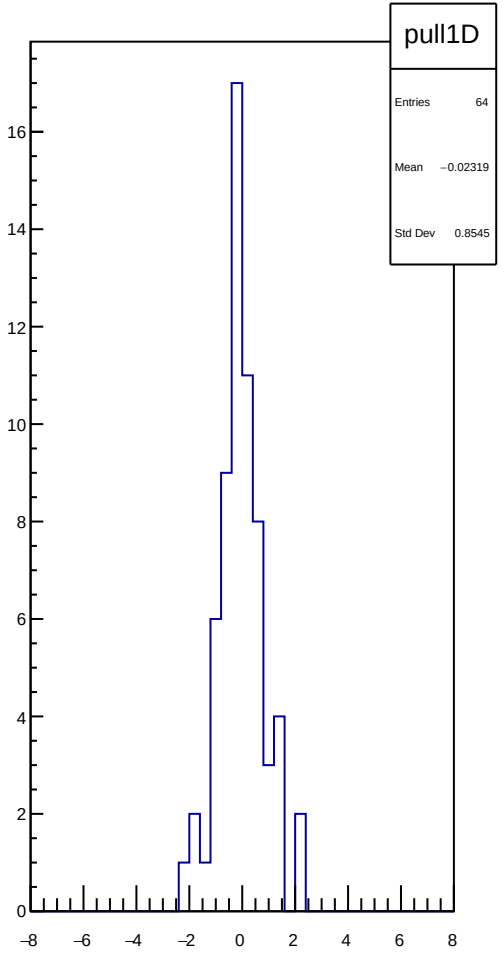

pull1D
Entries 64
Mean −0.02319
Std Dev 0.8545

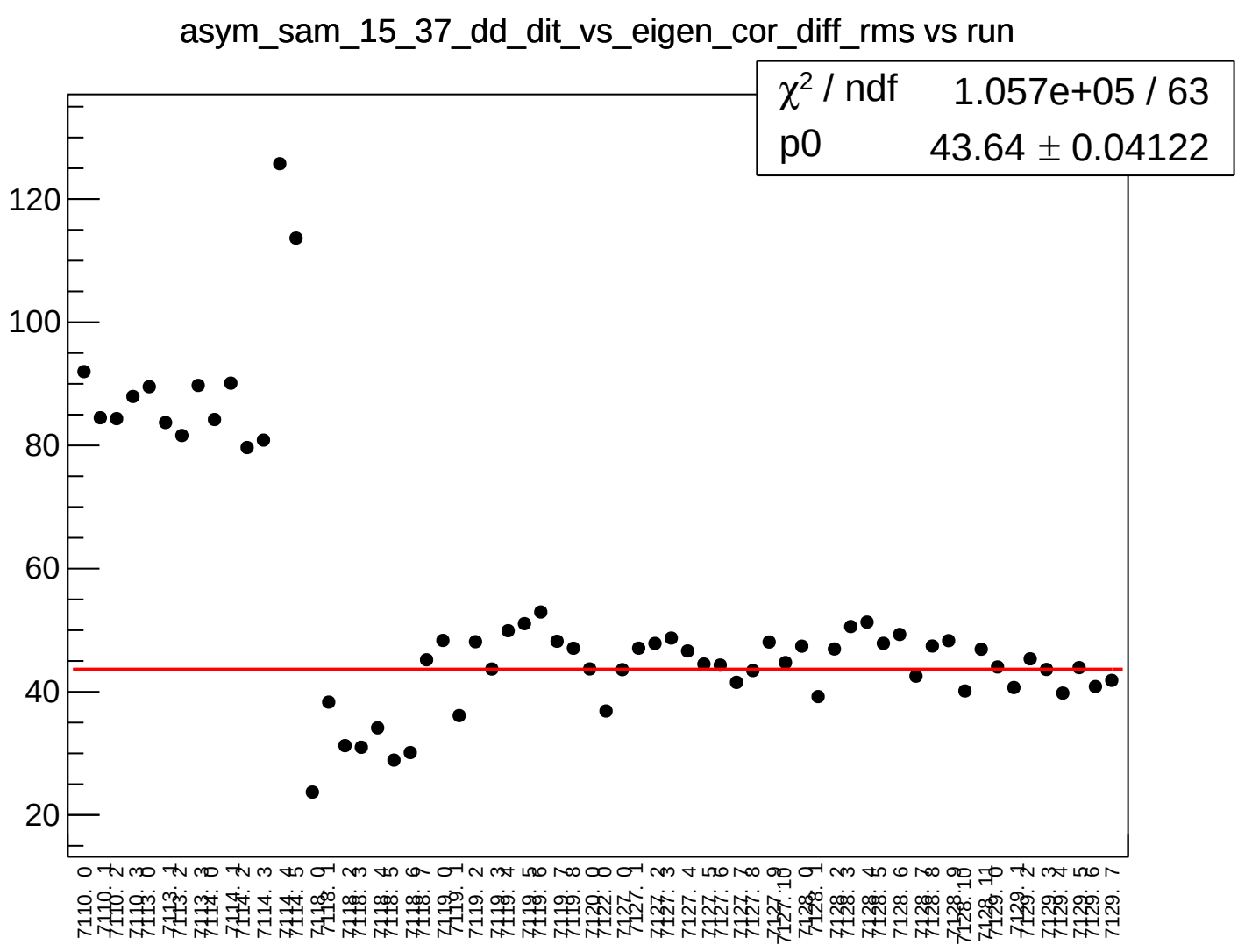

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.057e+05 / 63
p0 43.64 ± 0.04122
120
100
80
60
40
20

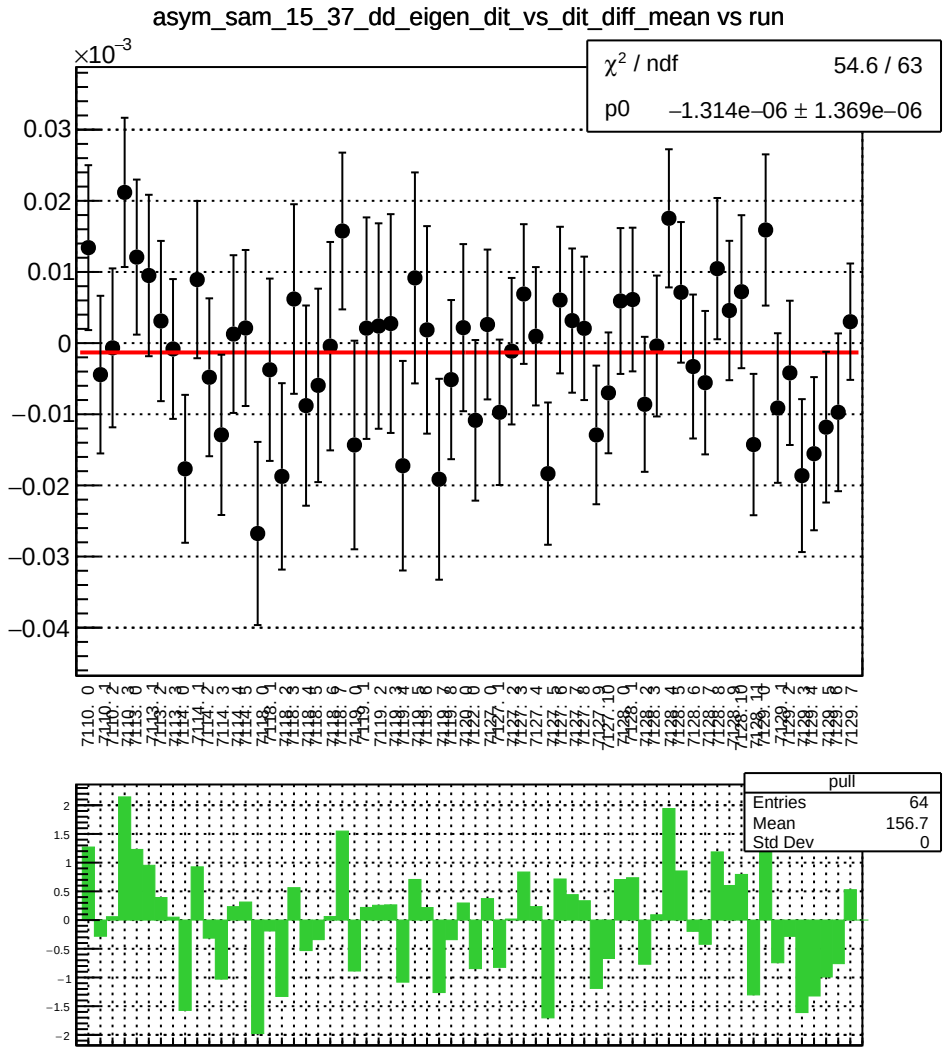
asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run

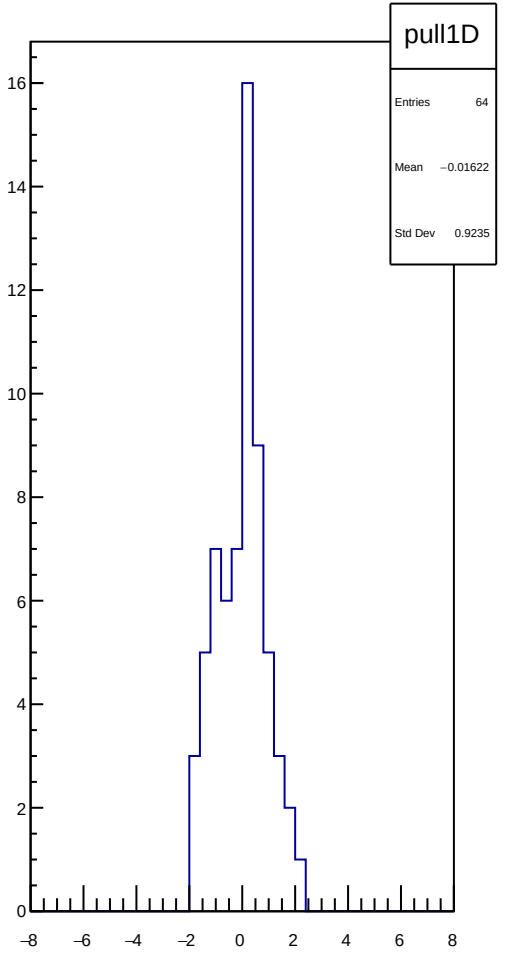


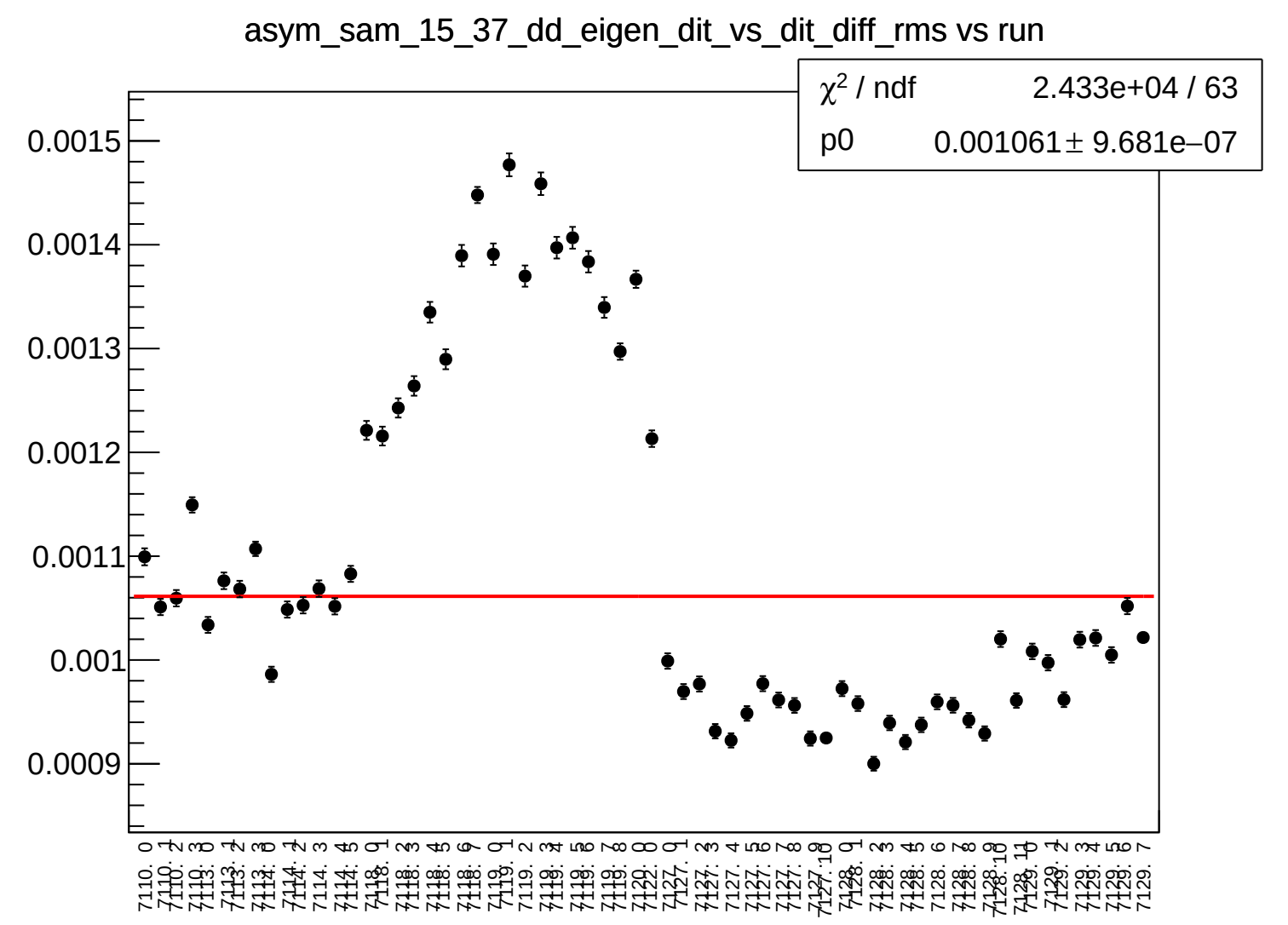


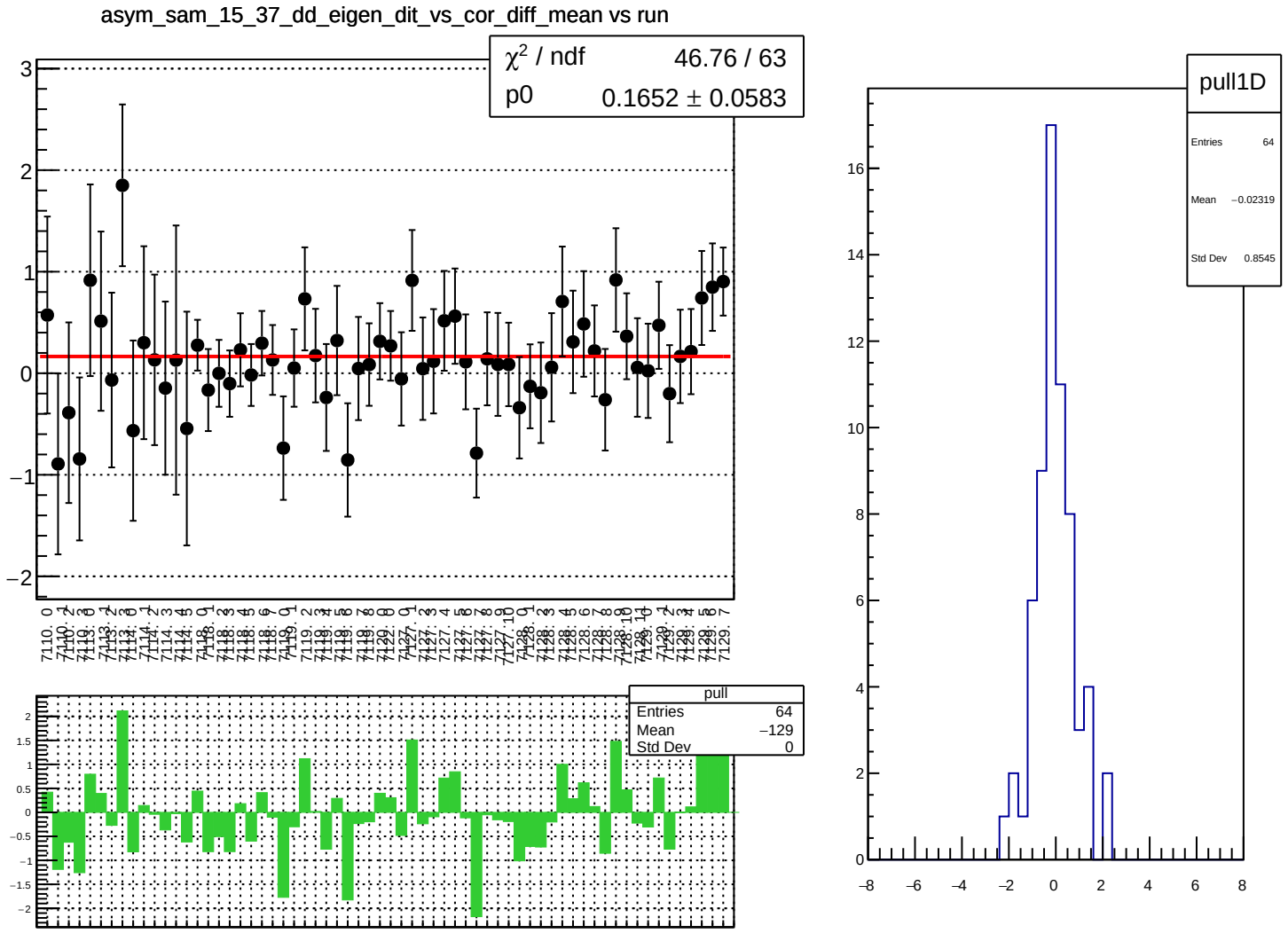


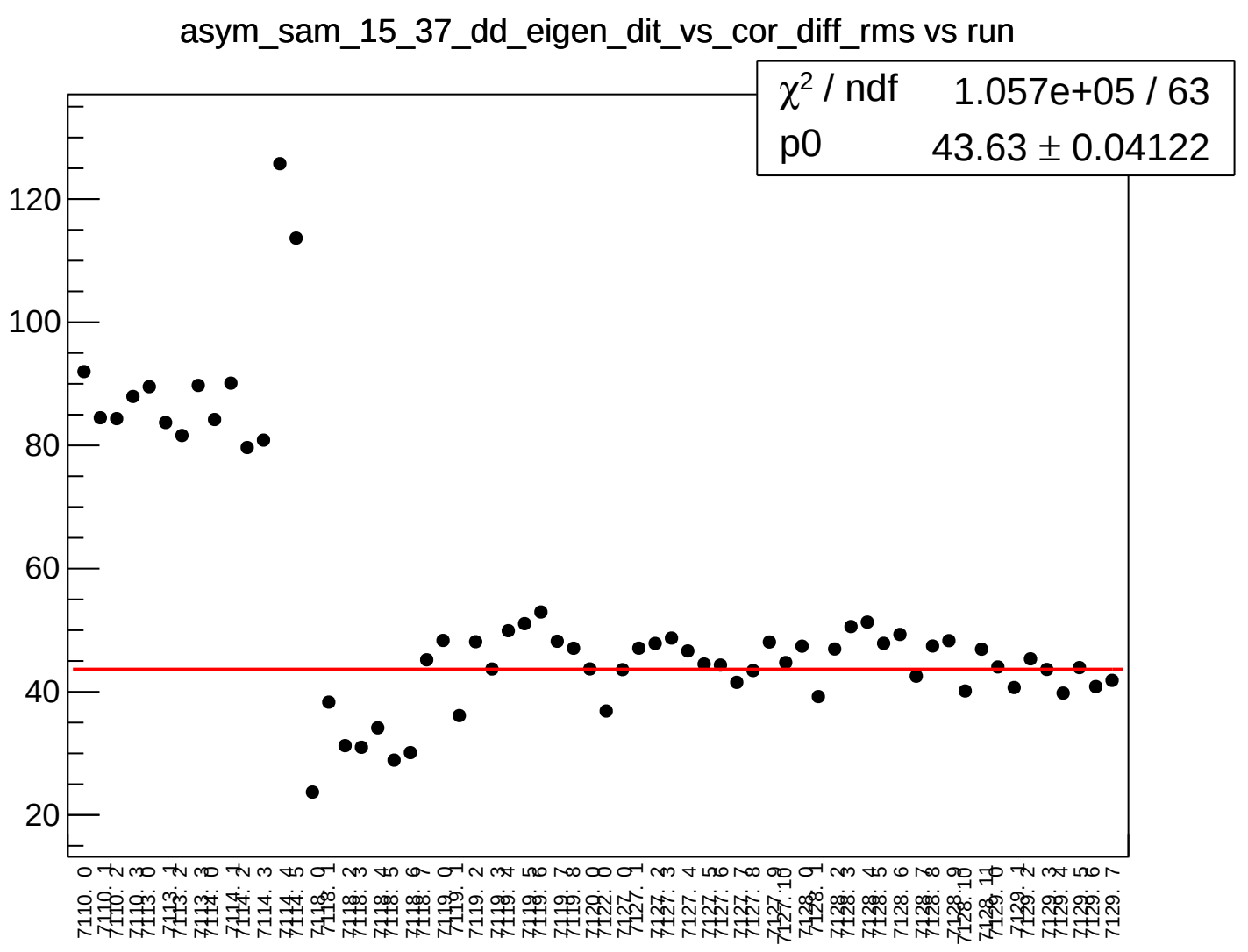

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.057e+05 / 63
p0 43.64 ± 0.04122
120
100
80
60
40
20

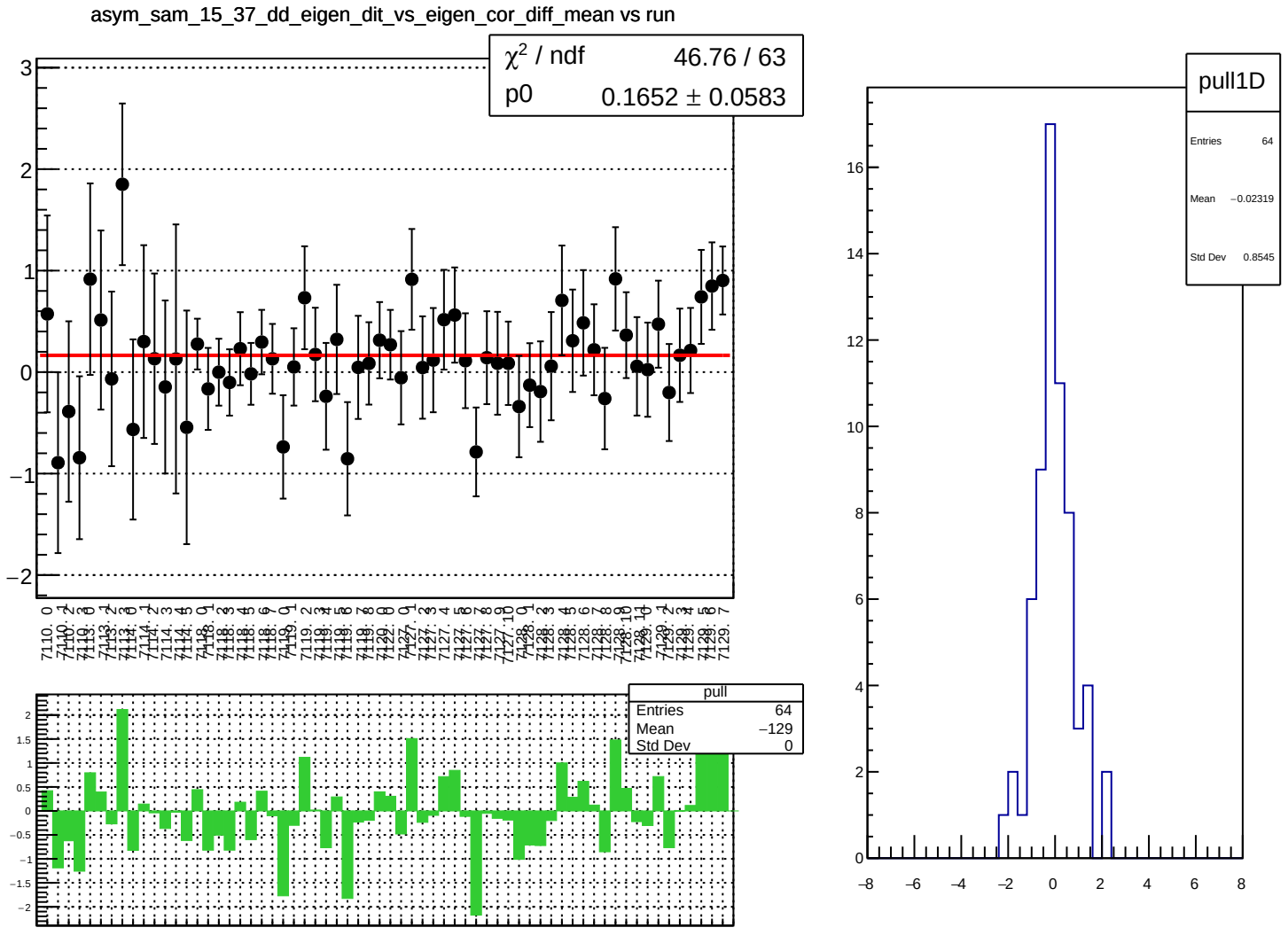

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.6 / 63
p0 −1.314e−06 ± 1.369e−06
pull
Entries 64
Mean 156.7
Std Dev 0

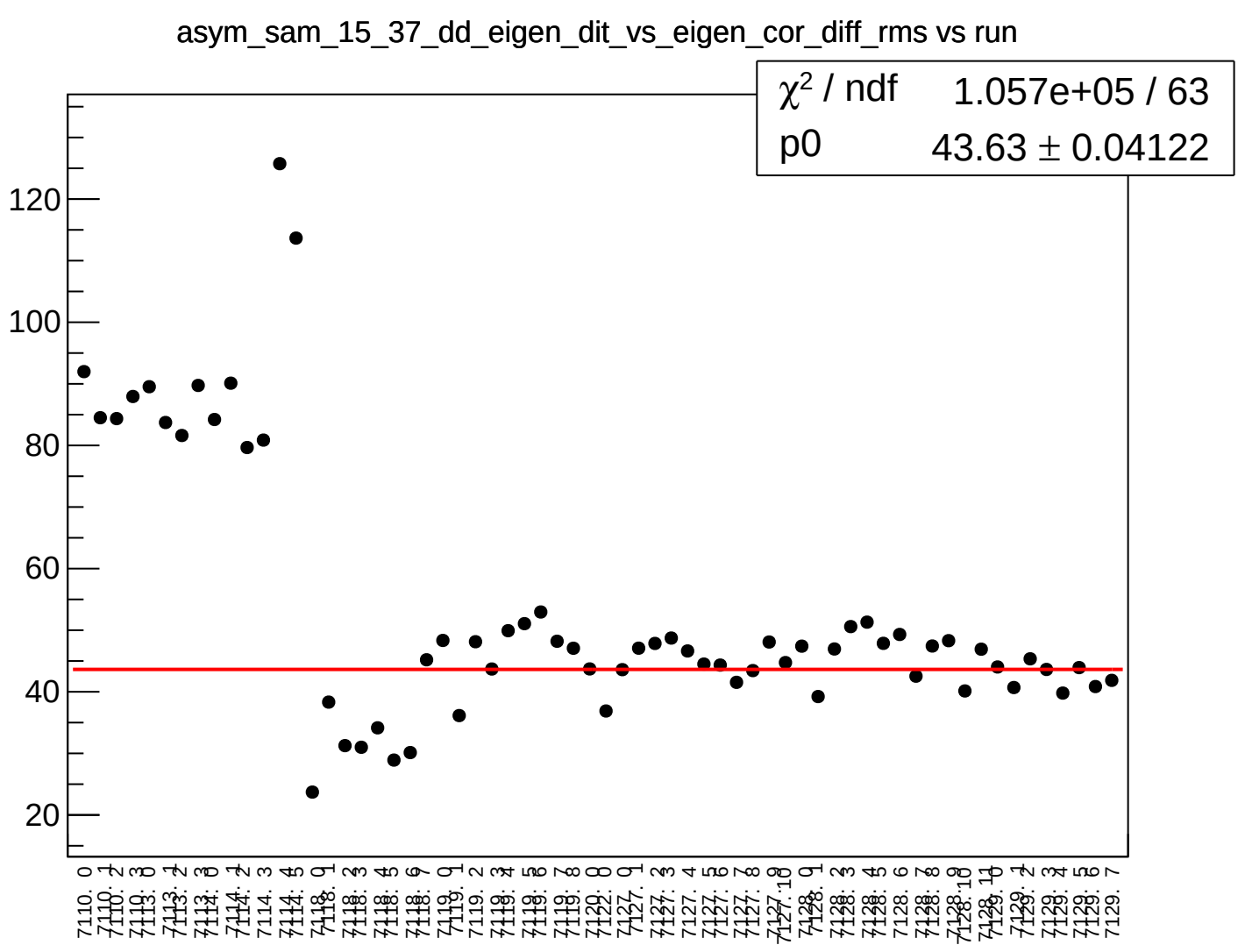

pull1D
Entries 64
Mean −0.01622
Std Dev 0.9235

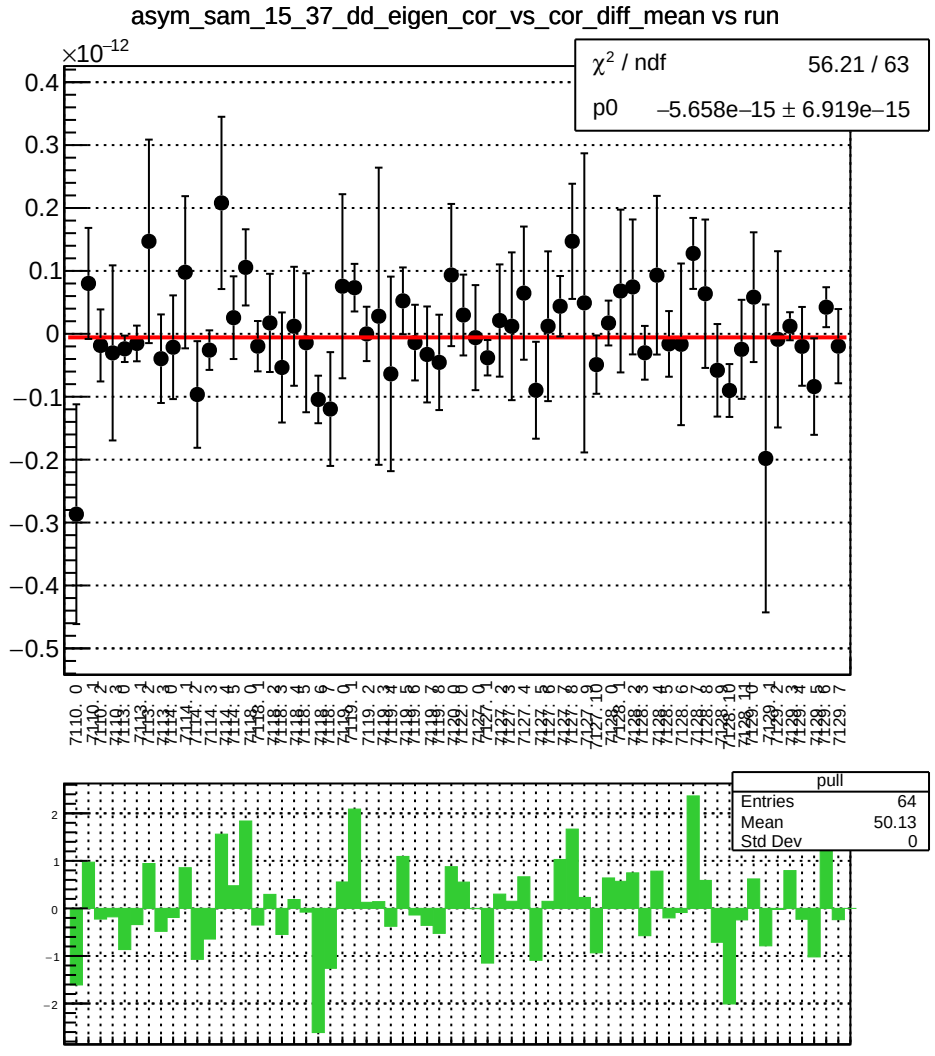

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.433e+04 / 63
p0 0.001061 ± 9.681e−07
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
0.0009

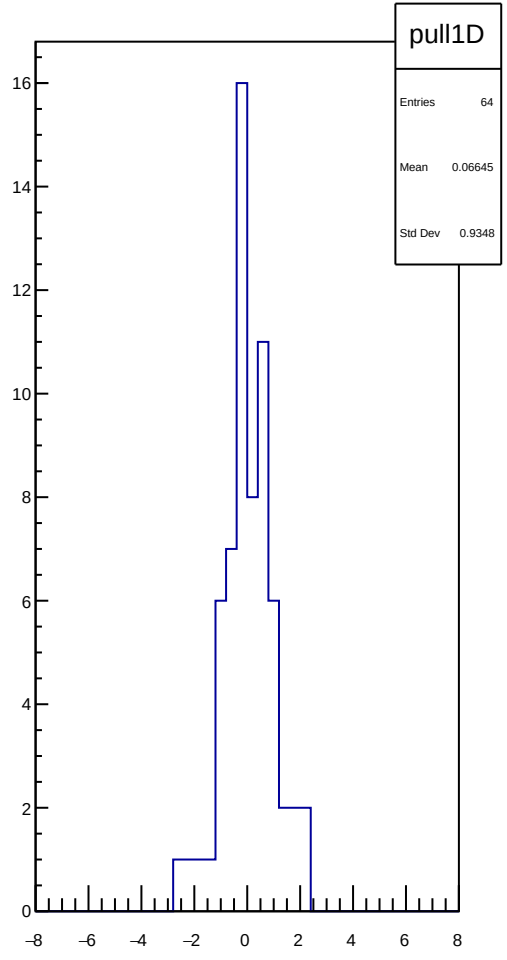

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.76 / 63
p0 0.1652 ± 0.0583
pull
Entries 64
Mean −129
Std Dev 0
pull1D
Entries 64
Mean −0.02319
Std Dev 0.8545

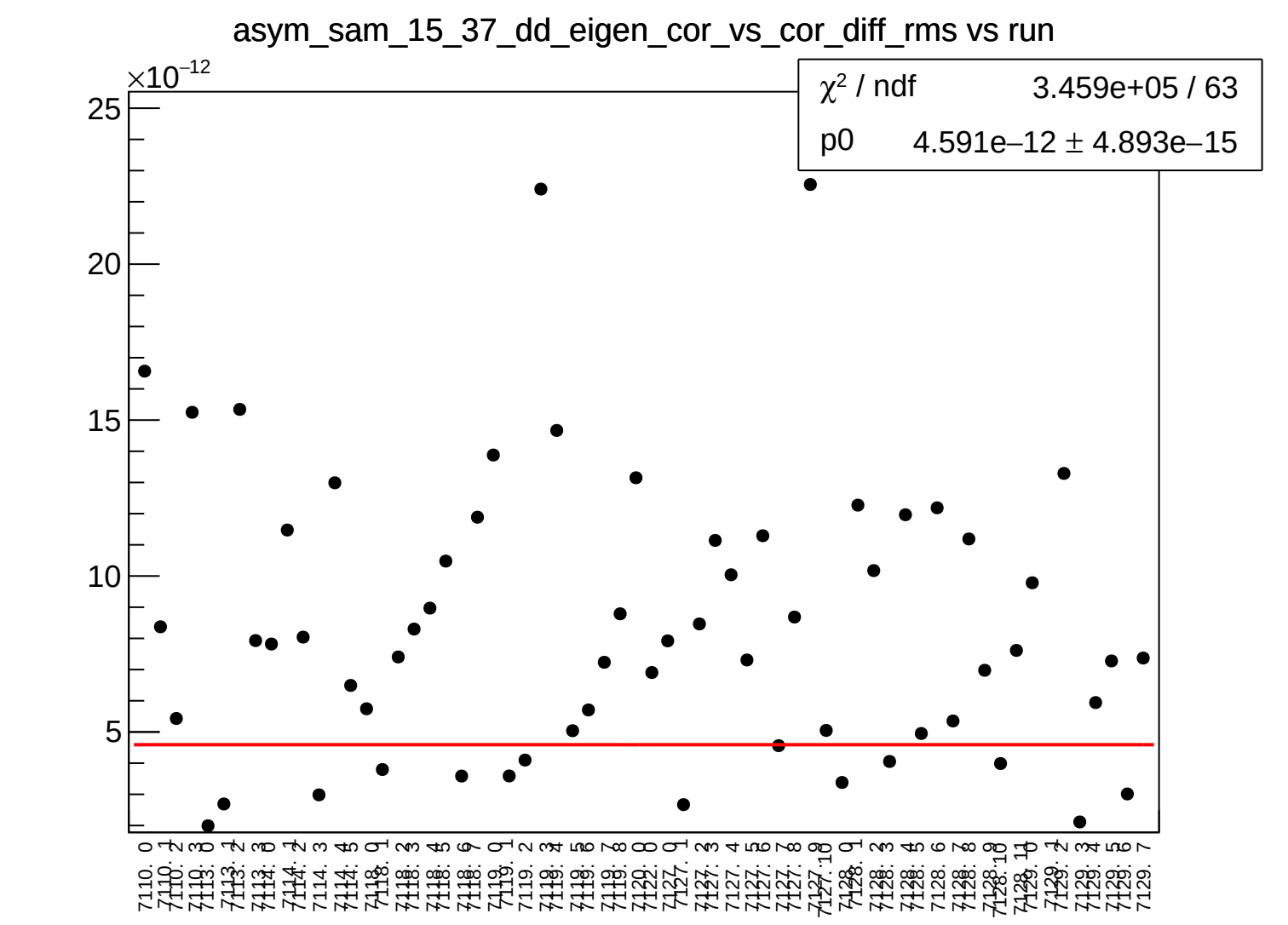

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.057e+05 / 63
p0 43.63 ± 0.04122
120
100
80
60
40
20

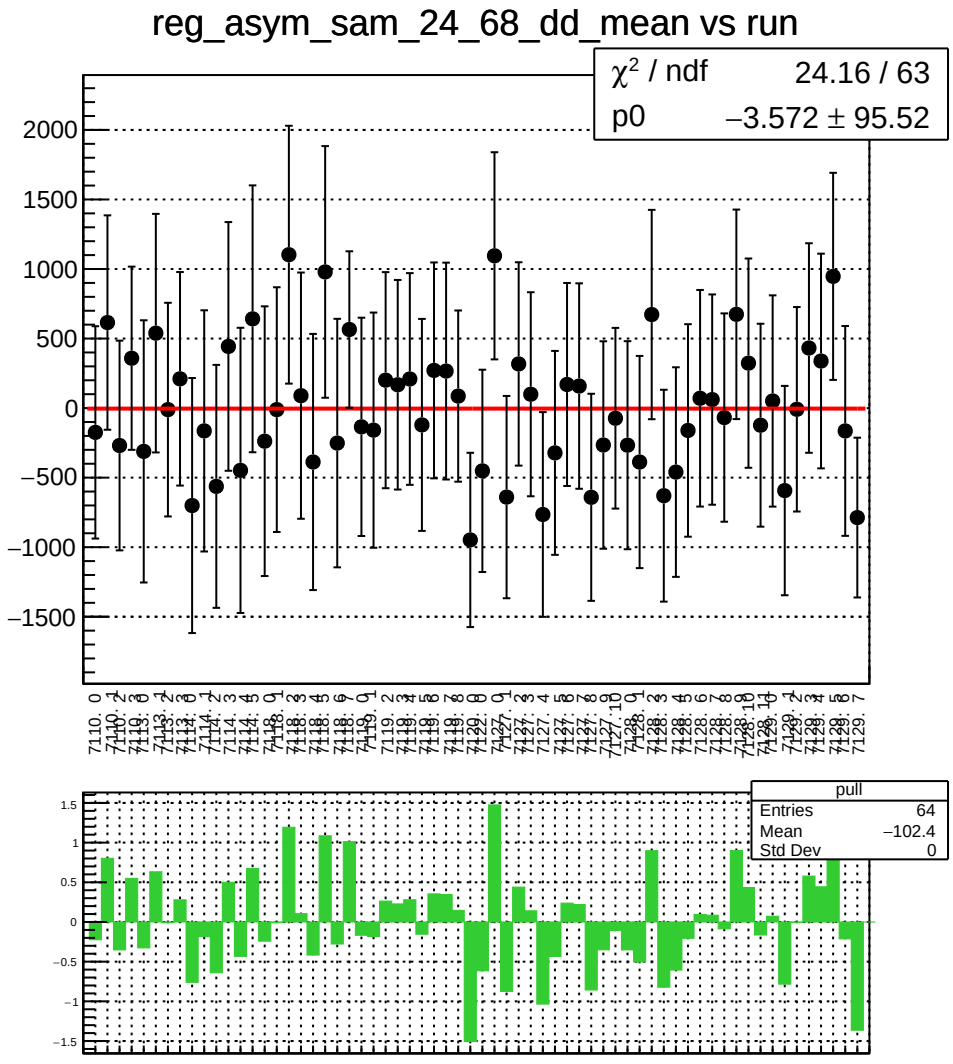

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.76 / 63
p0 0.1652 ± 0.0583
pull
Entries 64
Mean −129
Std Dev 0
pull1D
Entries 64
Mean −0.02319
Std Dev 0.8545

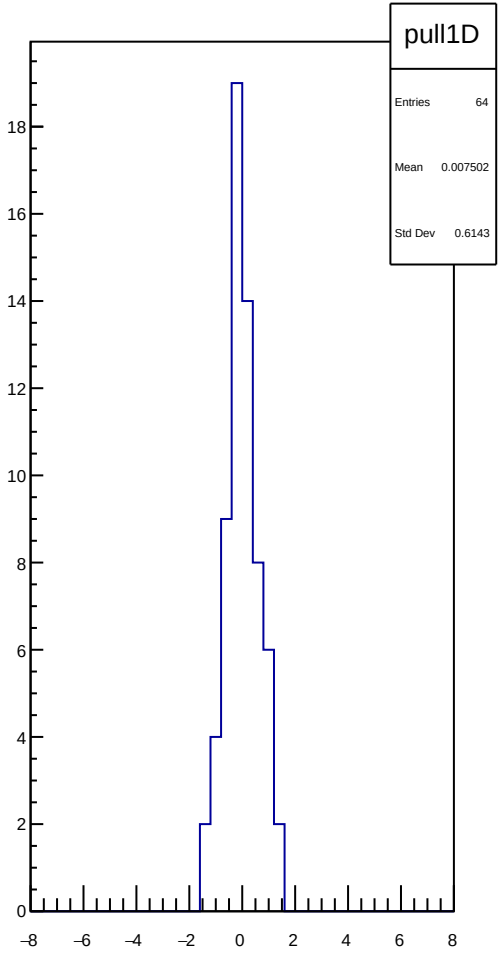

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.057e+05 / 63
p0 43.63 ± 0.04122
120
100
80
60
40
20

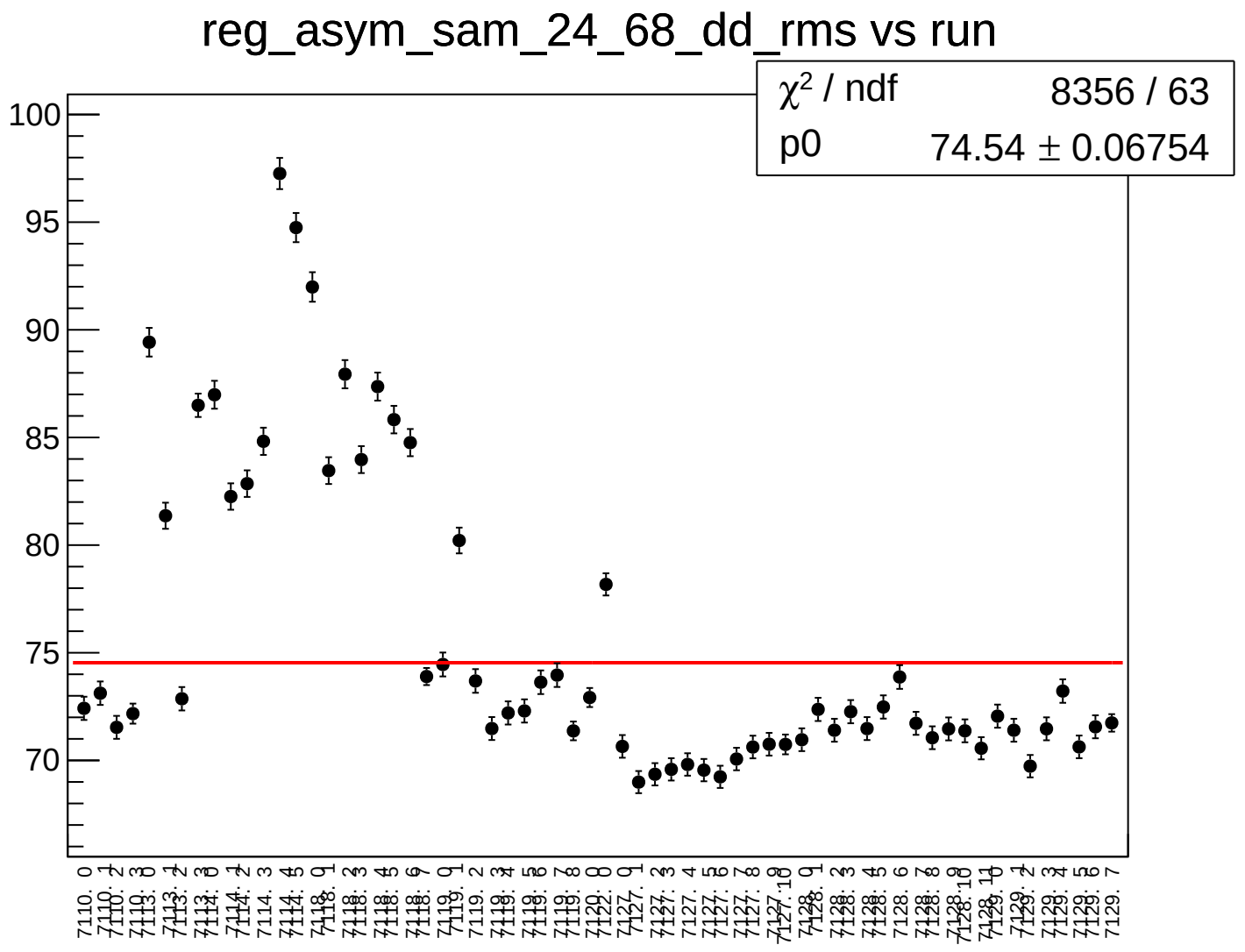

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 56.21 / 63
p0 −5.658e−15 ± 6.919e−15
pull
Entries 64
Mean 50.13
Std Dev 0

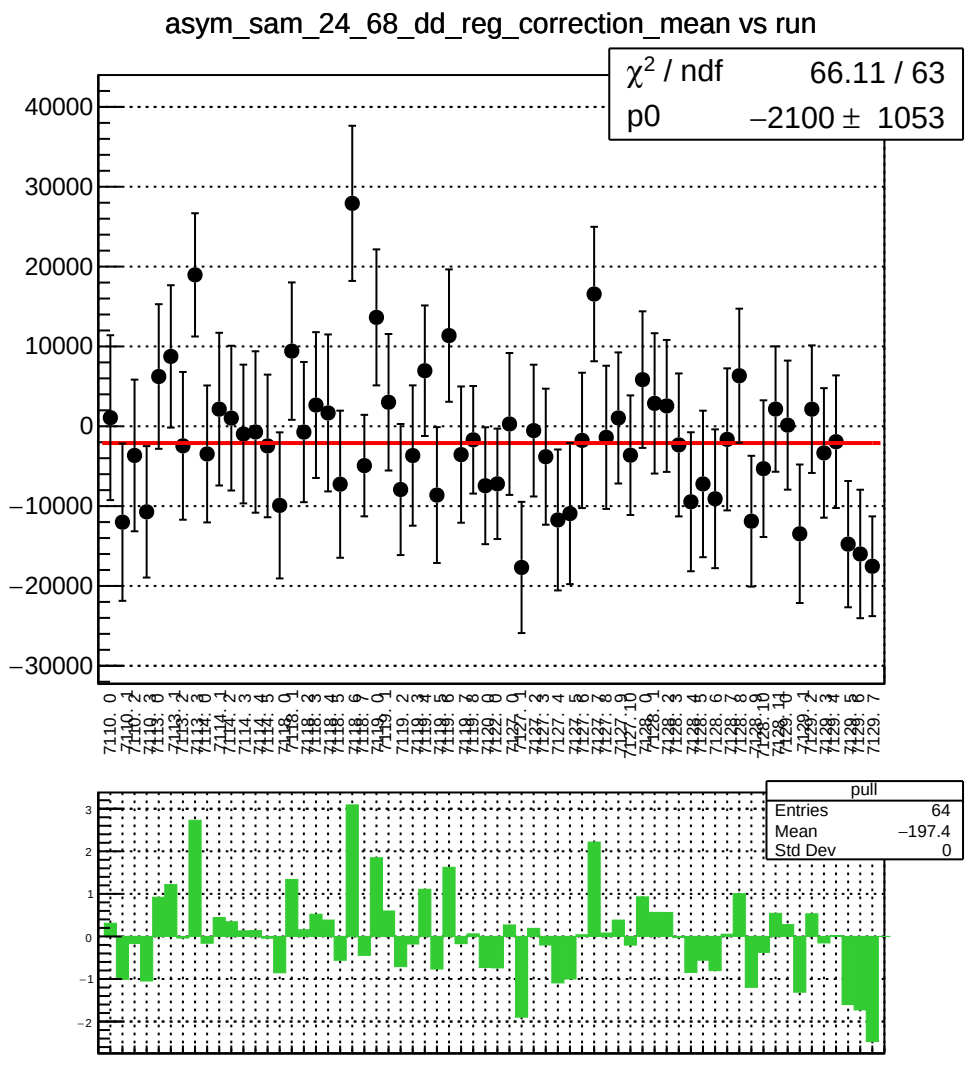

pull1D
Entries 64
Mean 0.06645
Std Dev 0.9348

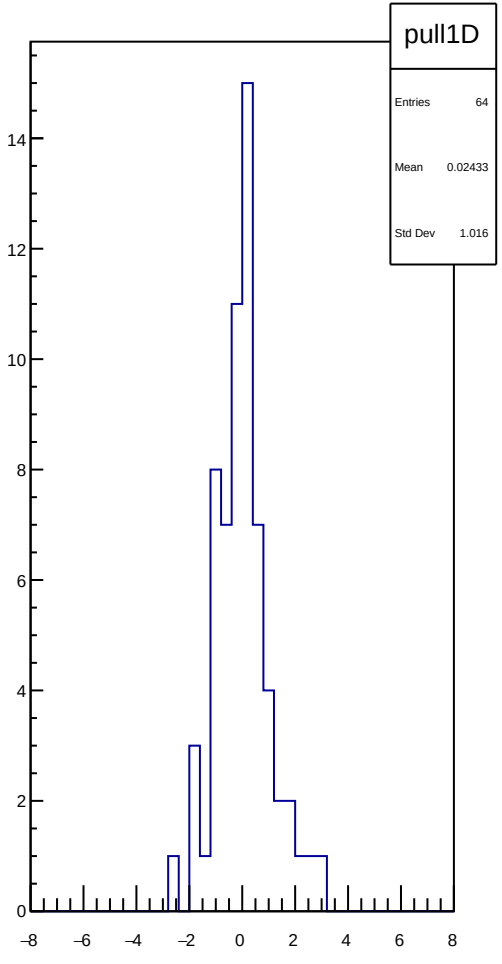

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.459e+05 / 63
p0 4.591e−12 ± 4.893e−15
25
20
15
10
5

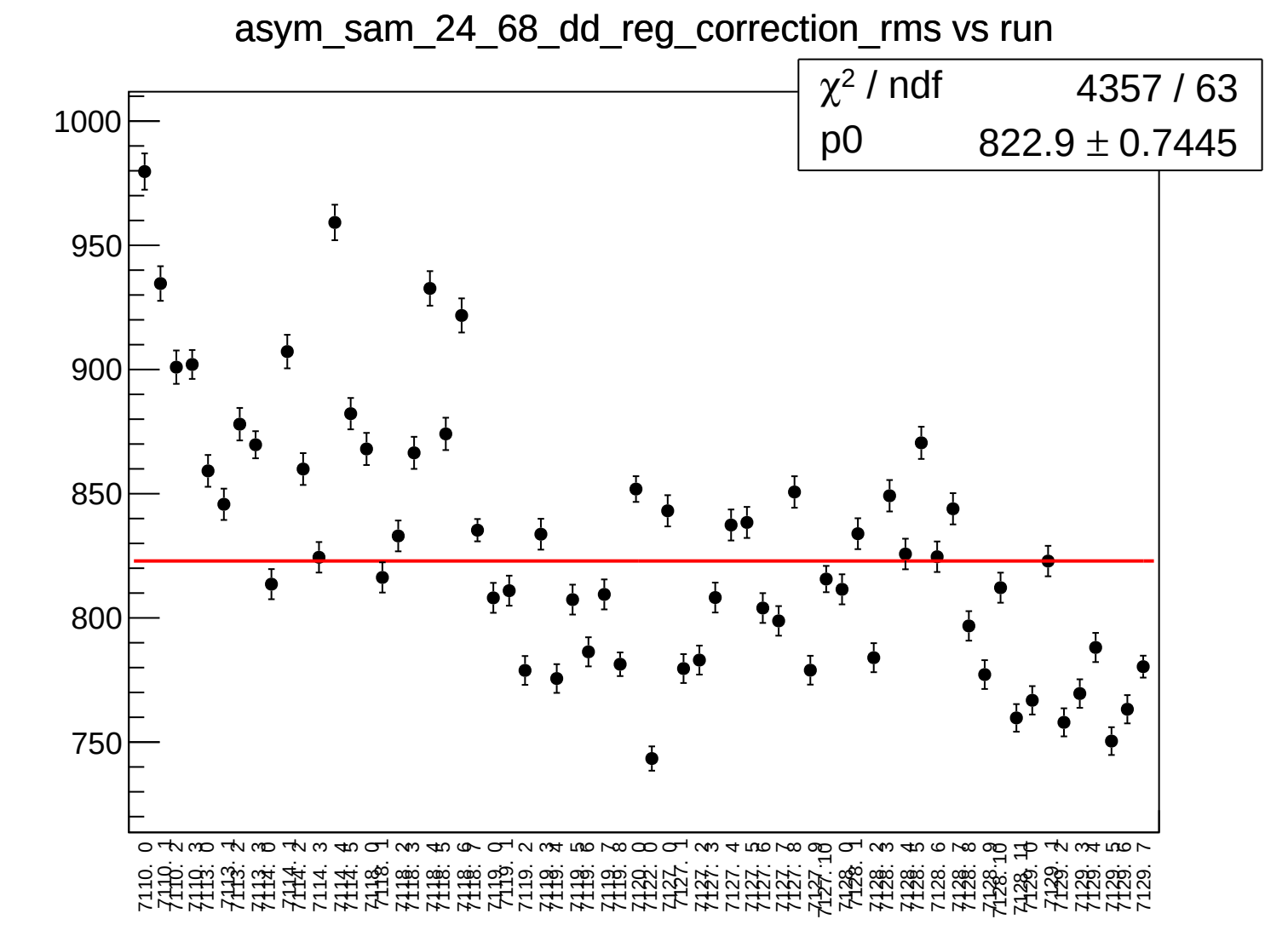

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 24.16 / 63
p0 −3.572 ± 95.52
pull
Entries 64
Mean −102.4
Std Dev 0

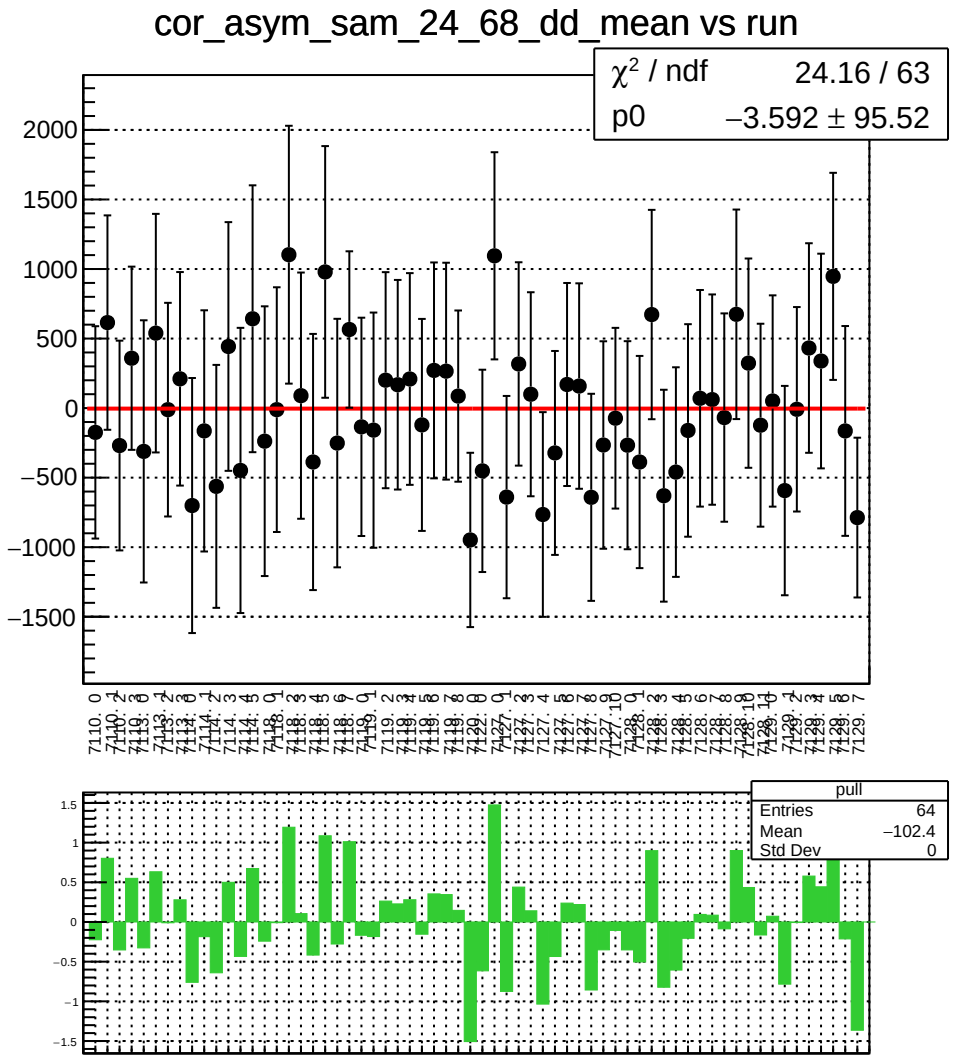

pull1D
Entries 64
Mean 0.007502
Std Dev 0.6143

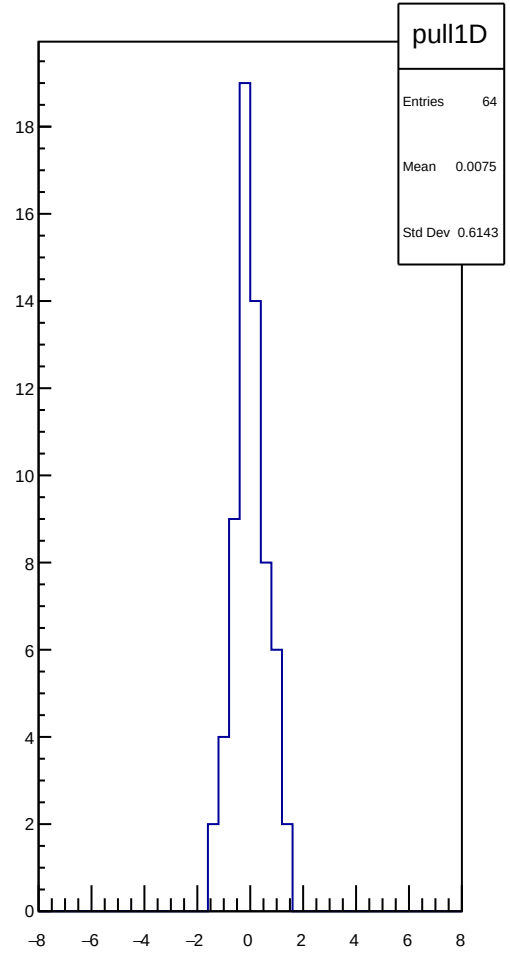

reg_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 8356 / 63
p0 74.54 ± 0.06754
100
95
90
85
80
75
70

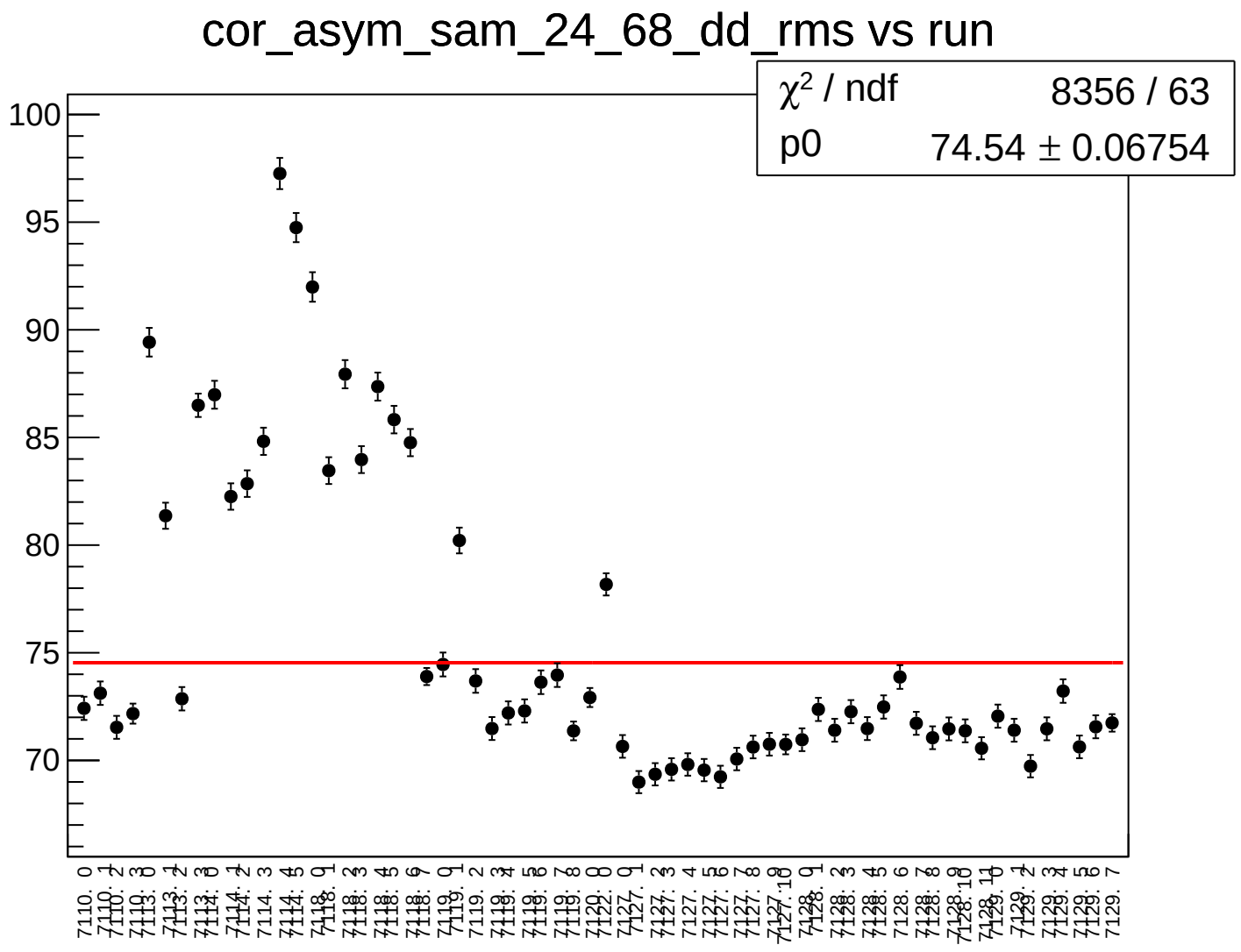

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 66.11 / 63
p0 −2100 ± 1053
pull
Entries 64
Mean −197.4
Std Dev 0

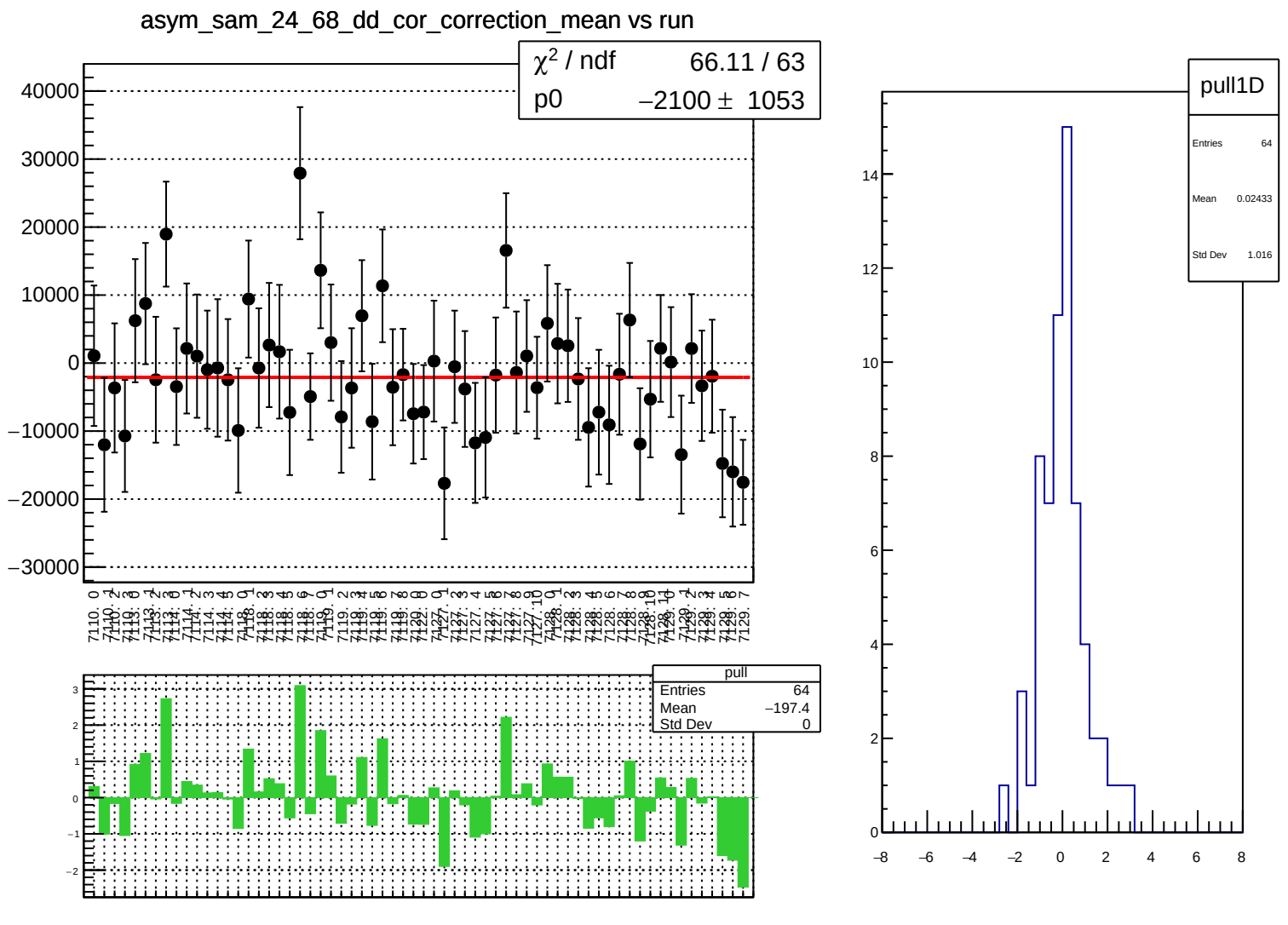

pull1D
Entries 64
Mean 0.02433
Std Dev 1.016

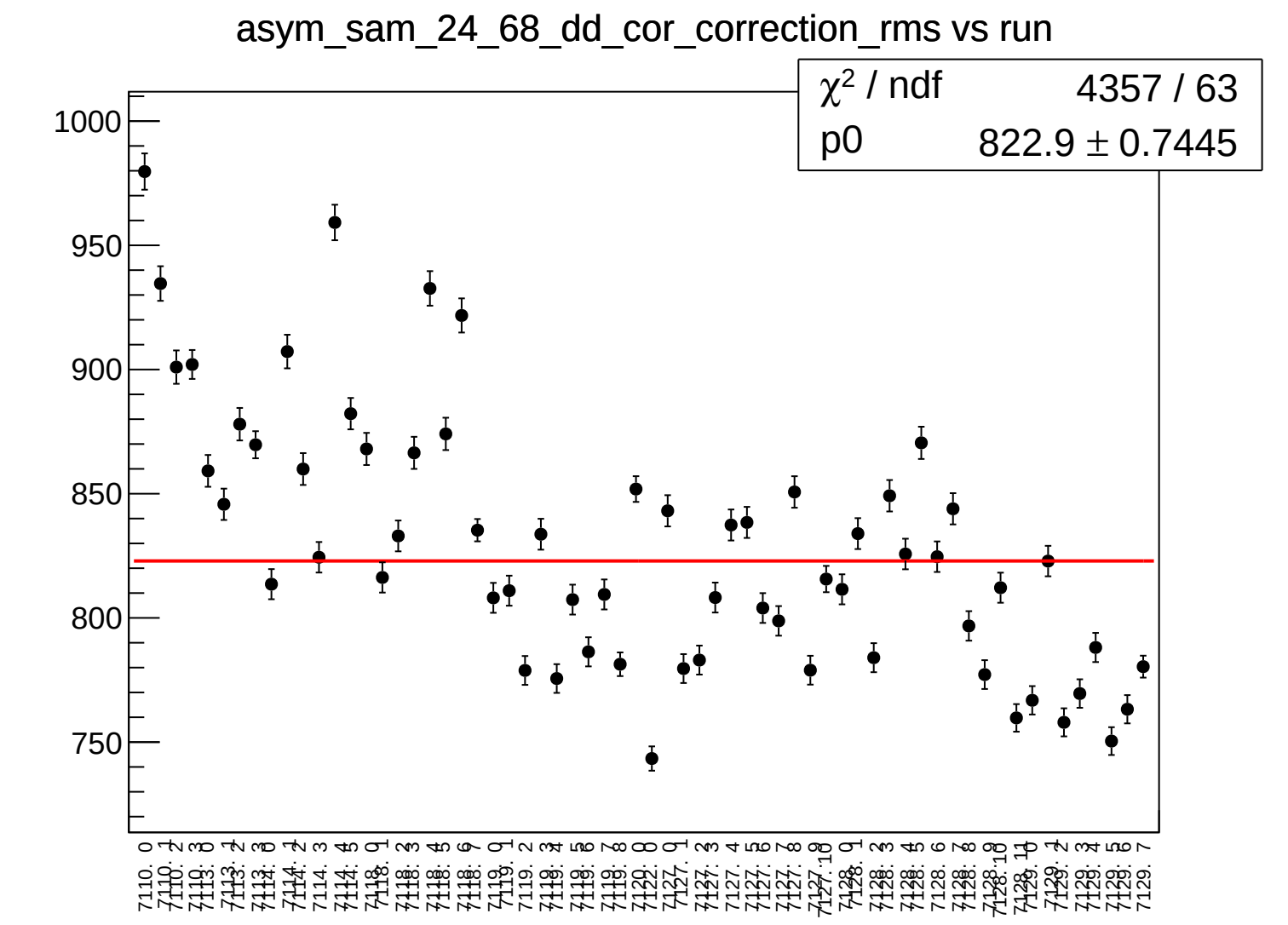

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 4357 / 63
p0 822.9 ± 0.7445
1000
950
900
850
800
750

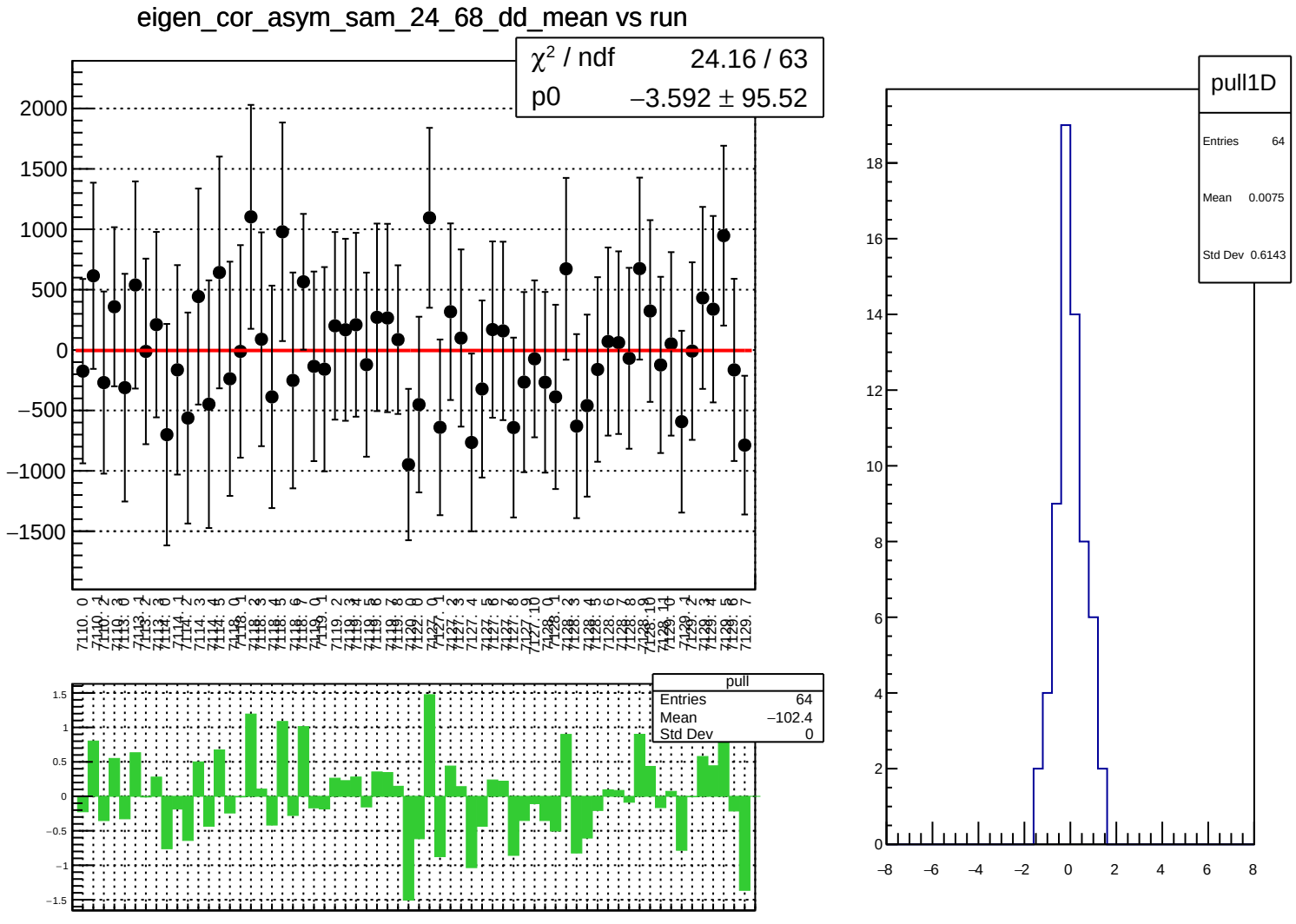

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 24.16 / 63
p0 −3.592 ± 95.52
pull
Entries 64
Mean −102.4
Std Dev 0

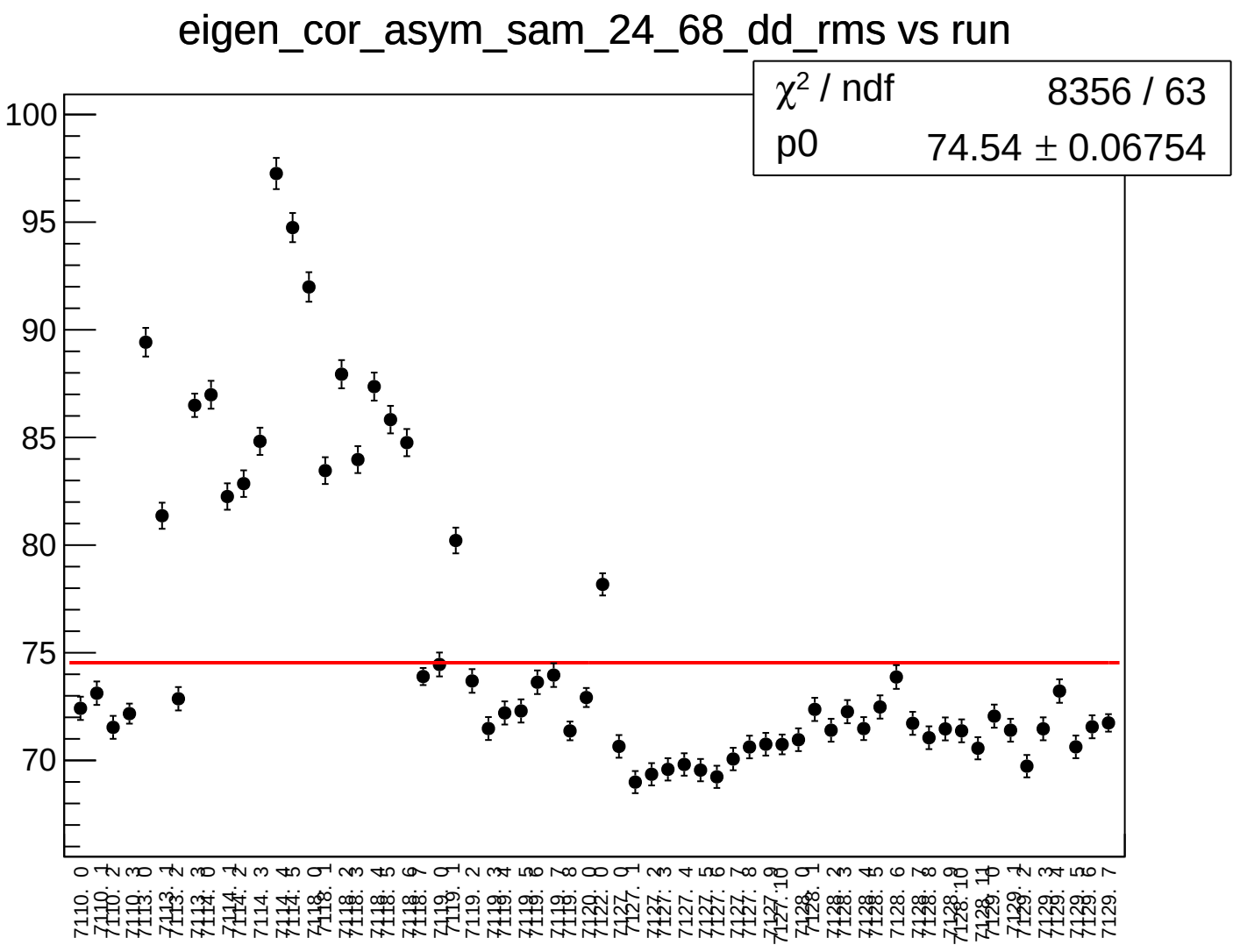

pull1D
Entries 64
Mean 0.0075
Std Dev 0.6143

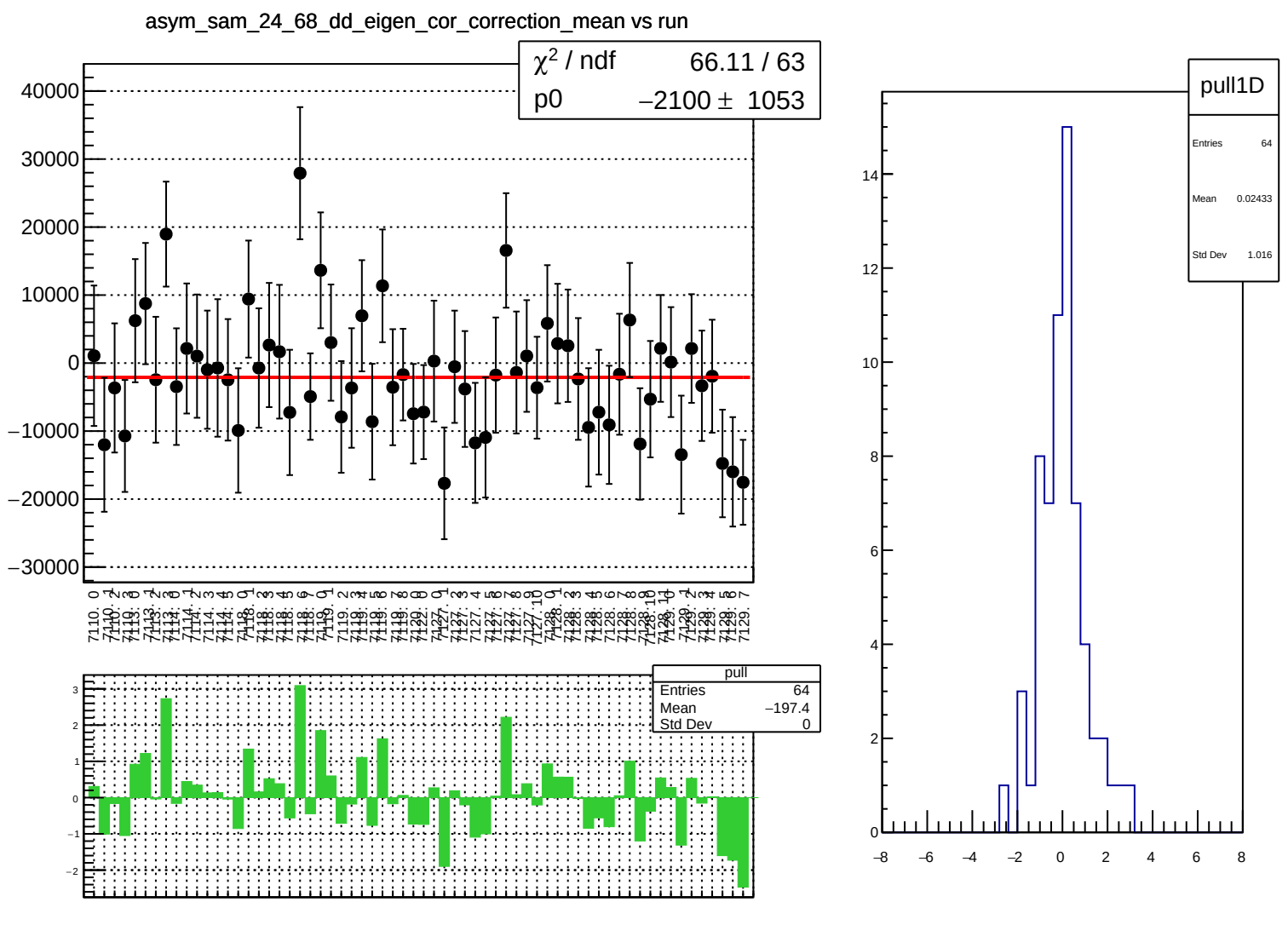

cor_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 8356 / 63
p0 74.54 ± 0.06754
100
95
90
85
80
75
70

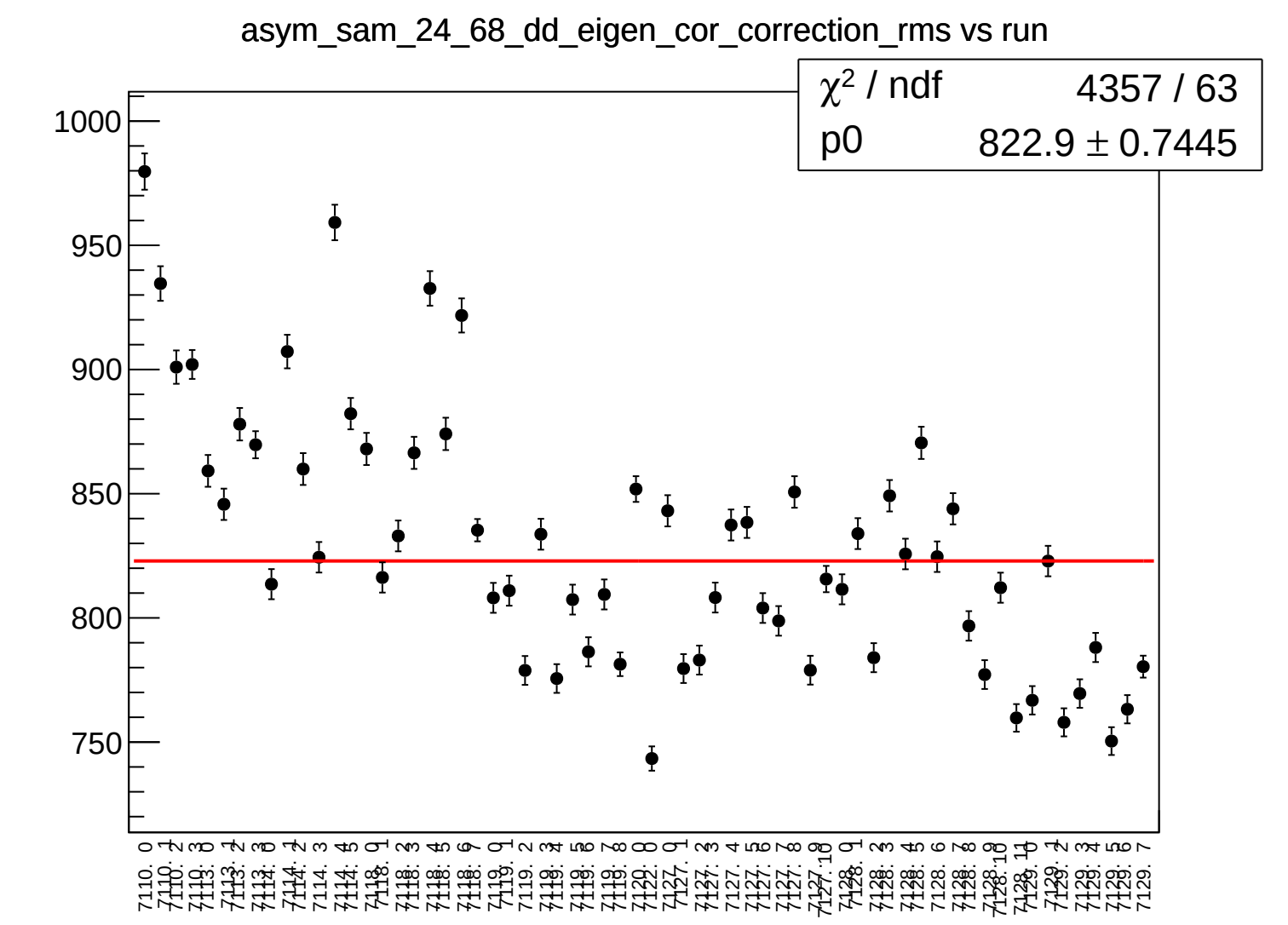

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 66.11 / 63
p0 −2100 ± 1053
pull
Entries 64
Mean −197.4
Std Dev 0
pull1D
Entries 64
Mean 0.02433
Std Dev 1.016

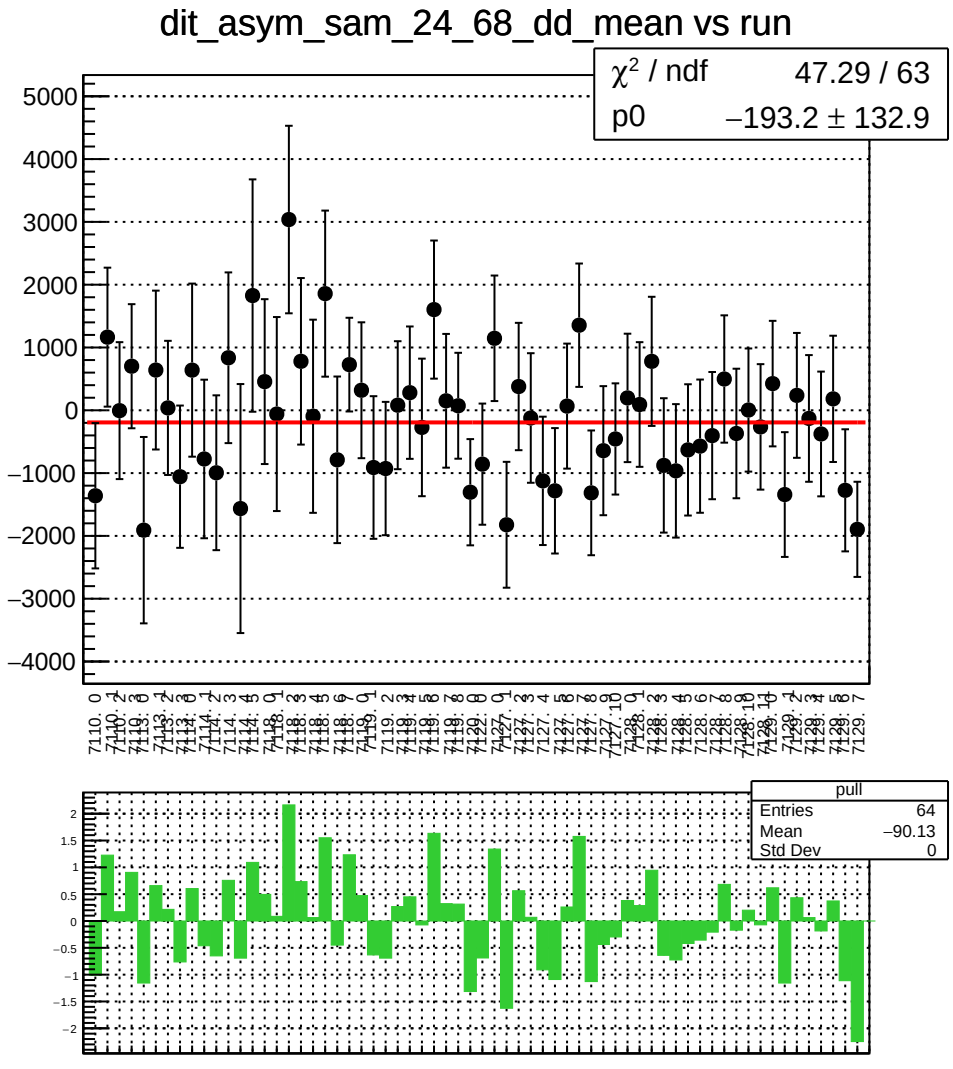

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 4357 / 63
p0 822.9 ± 0.7445
1000
950
900
850
800
750

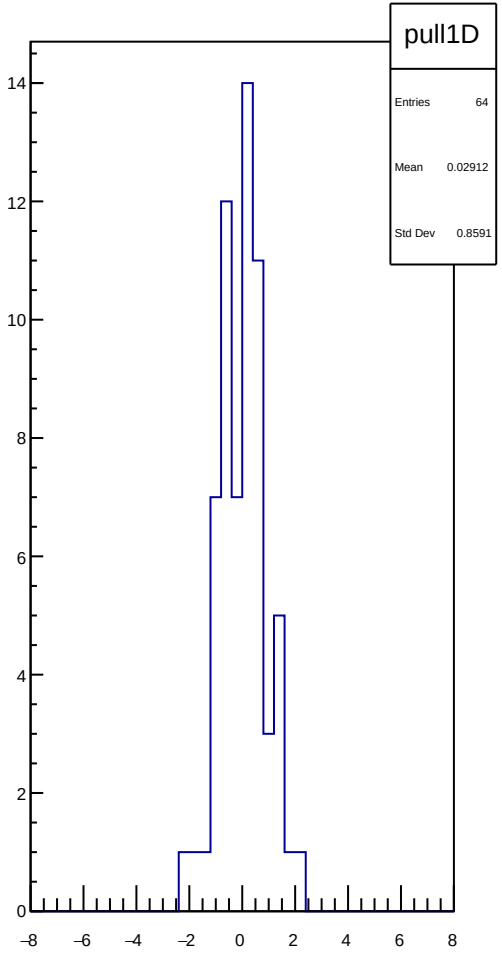

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 24.16 / 63
p0 −3.592 ± 95.52
pull
Entries 64
Mean −102.4
Std Dev 0
pull1D
Entries 64
Mean 0.0075
Std Dev 0.6143

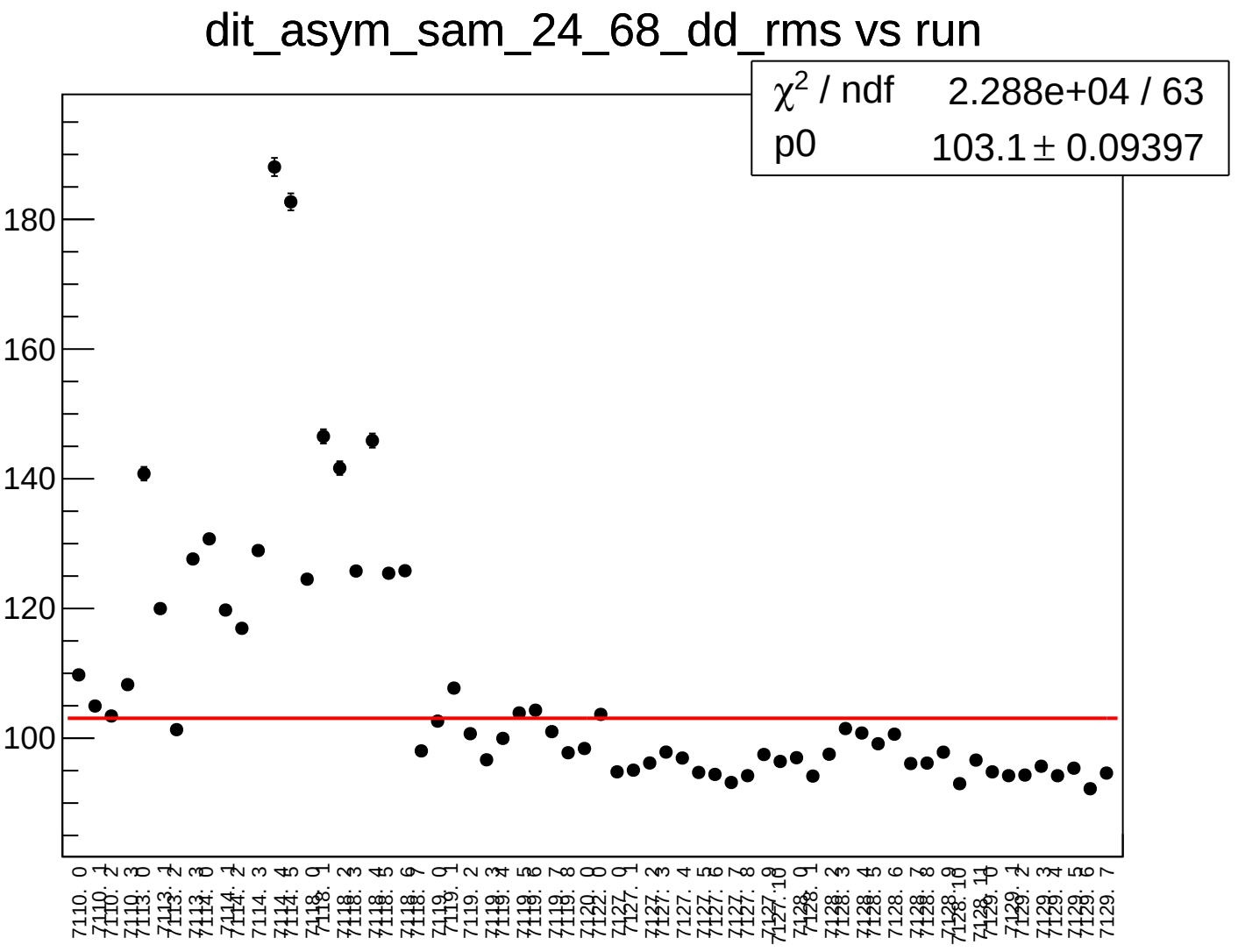

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 8356 / 63
p0 74.54 ± 0.06754
100
95
90
85
80
75
70

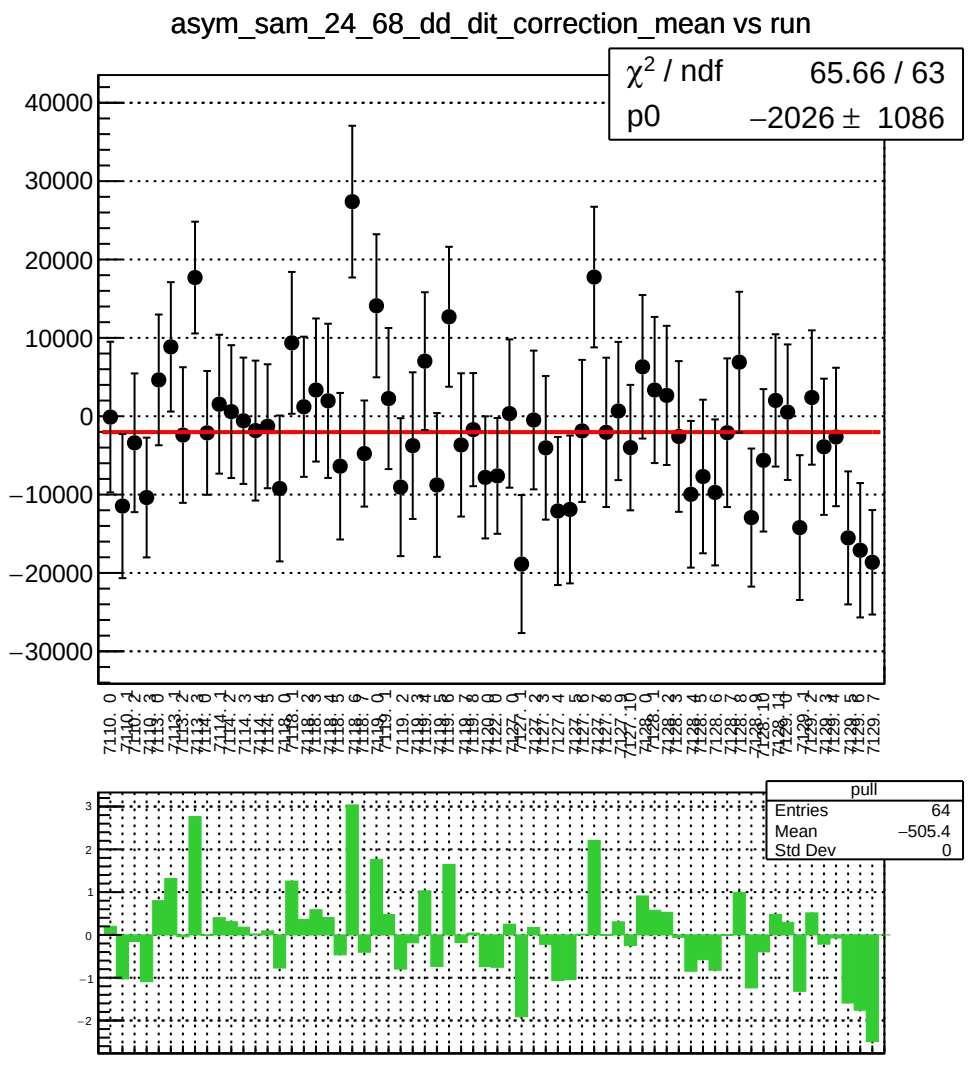

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.11 / 63
p0 −2100 ± 1053
pull
Entries 64
Mean −197.4
Std Dev 0
pull1D
Entries 64
Mean 0.02433
Std Dev 1.016

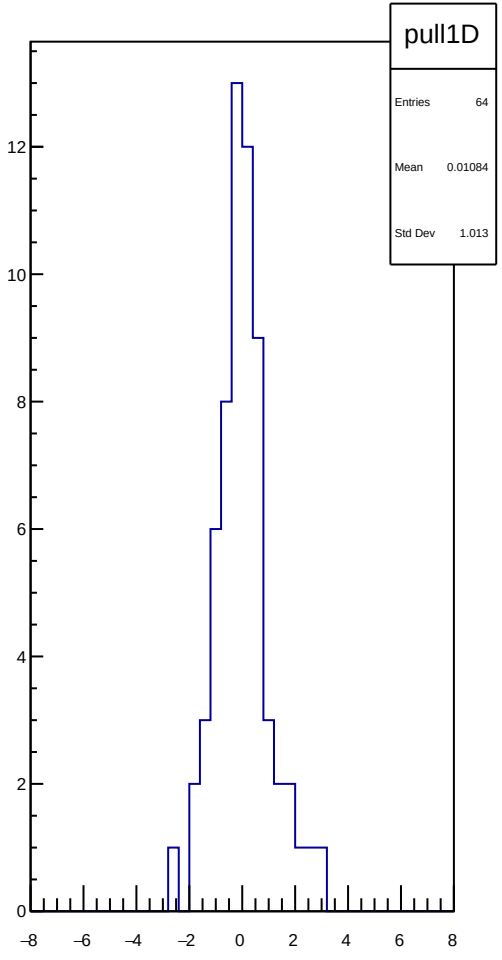

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 4357 / 63
p0 822.9 ± 0.7445
1000
950
900
850
800
750

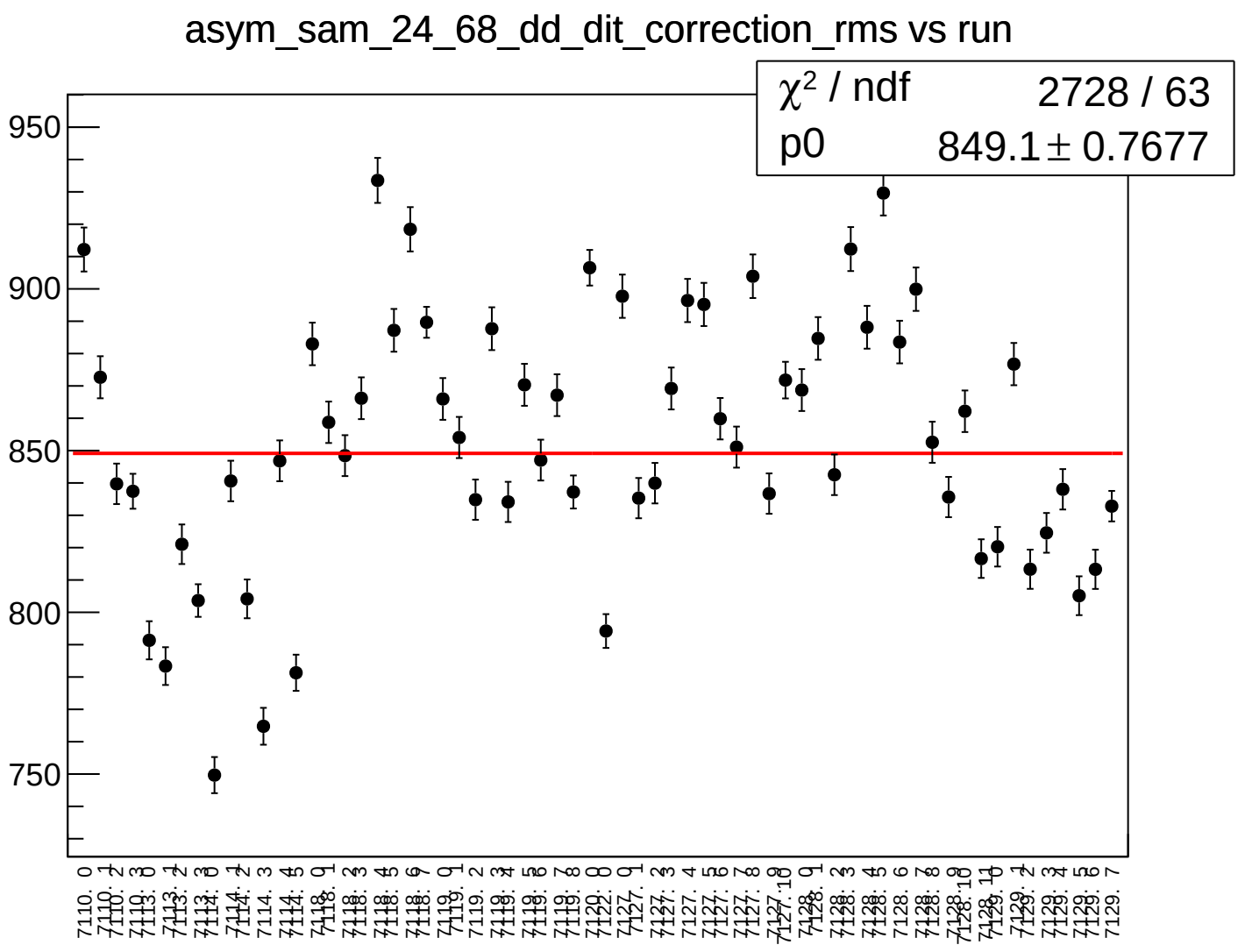

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 47.29 / 63
p0 −193.2 ± 132.9
pull
Entries 64
Mean −90.13
Std Dev 0

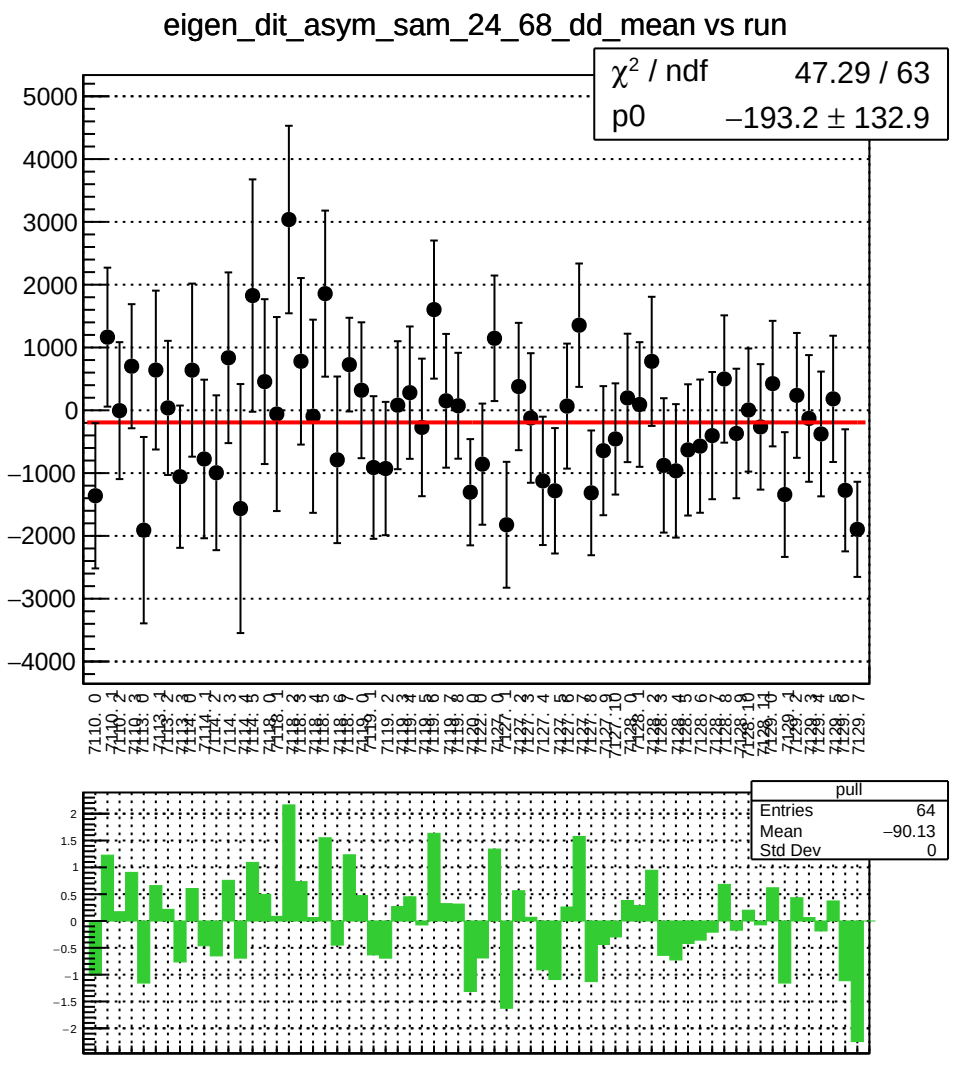

pull1D
Entries 64
Mean 0.02912
Std Dev 0.8591

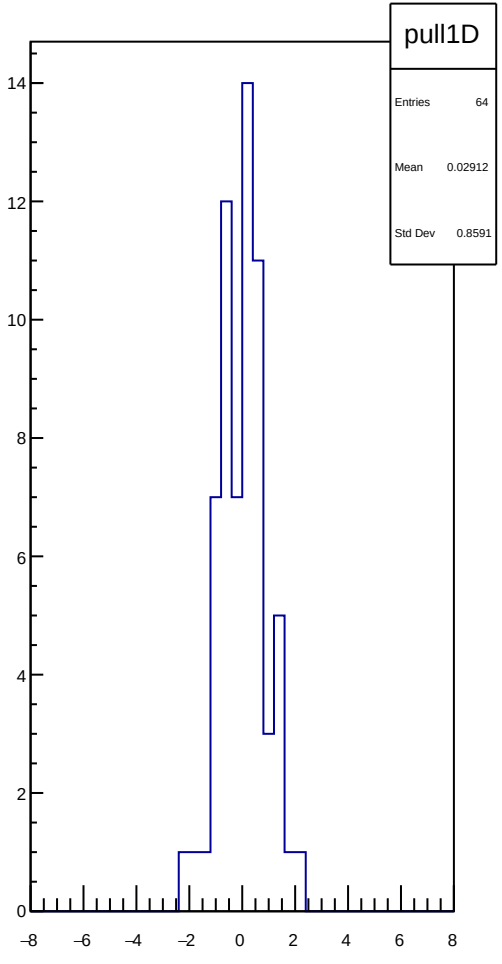

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2.288e+04 / 63
p0 103.1 ± 0.09397
180
160
140
120
100

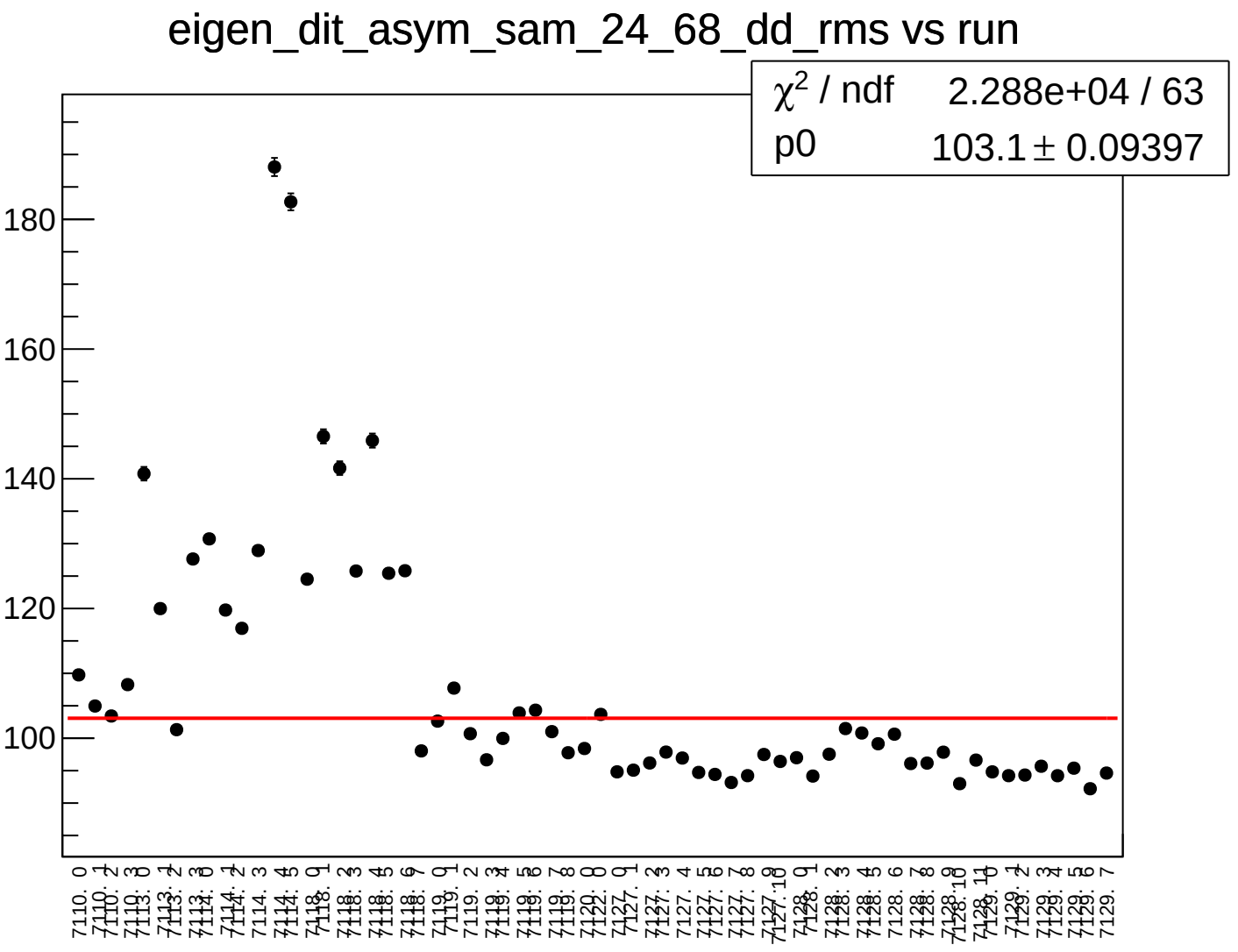

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 65.66 / 63
p0 −2026 ± 1086
pull
Entries 64
Mean −505.4
Std Dev 0

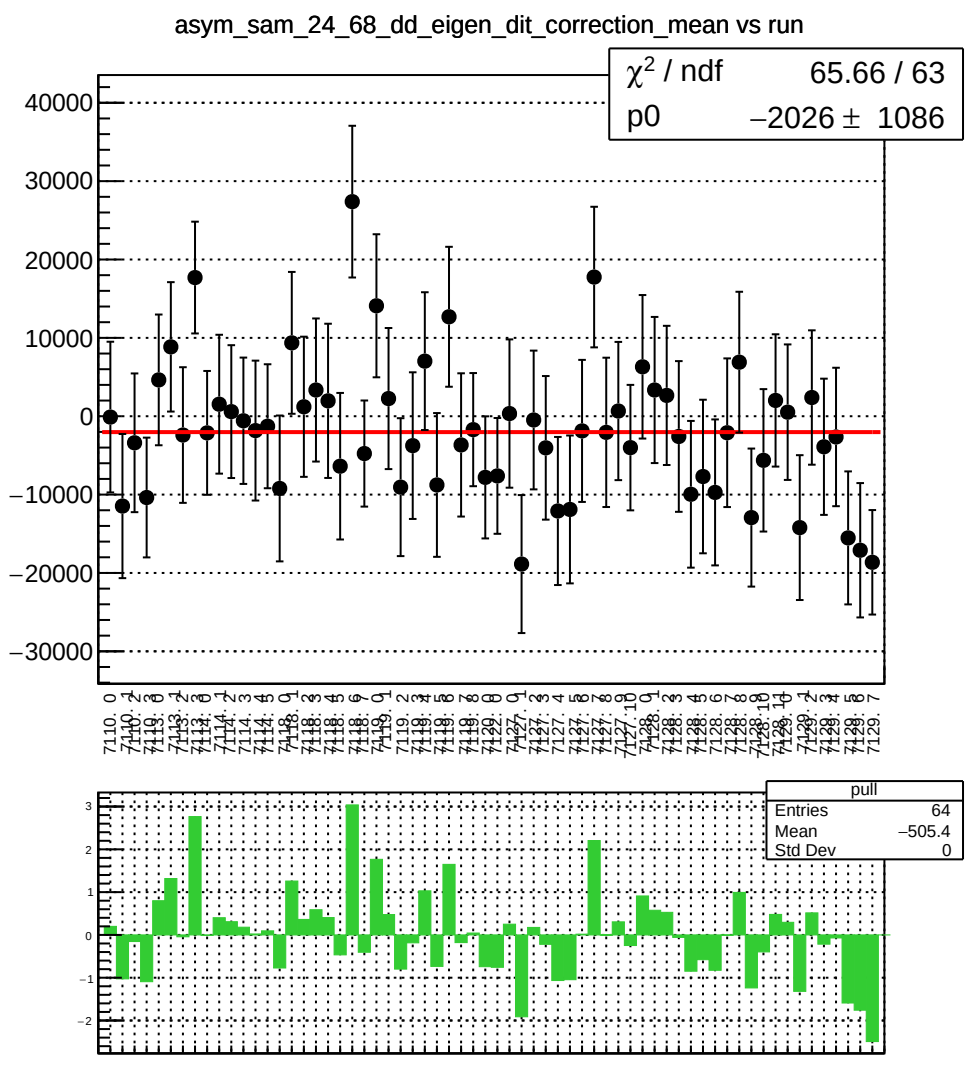

pull1D
Entries 64
Mean 0.01084
Std Dev 1.013

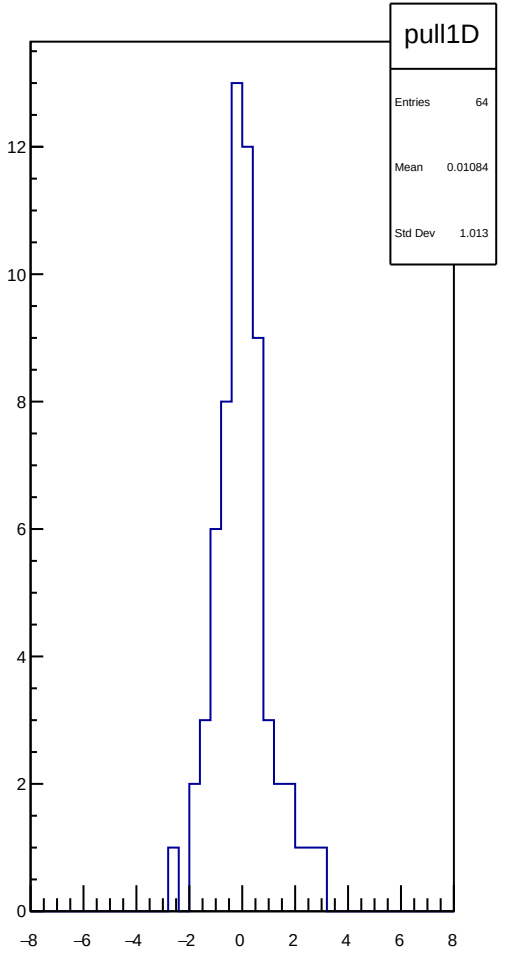

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 2728 / 63
p0 849.1 ± 0.7677
950
900
850
800
750

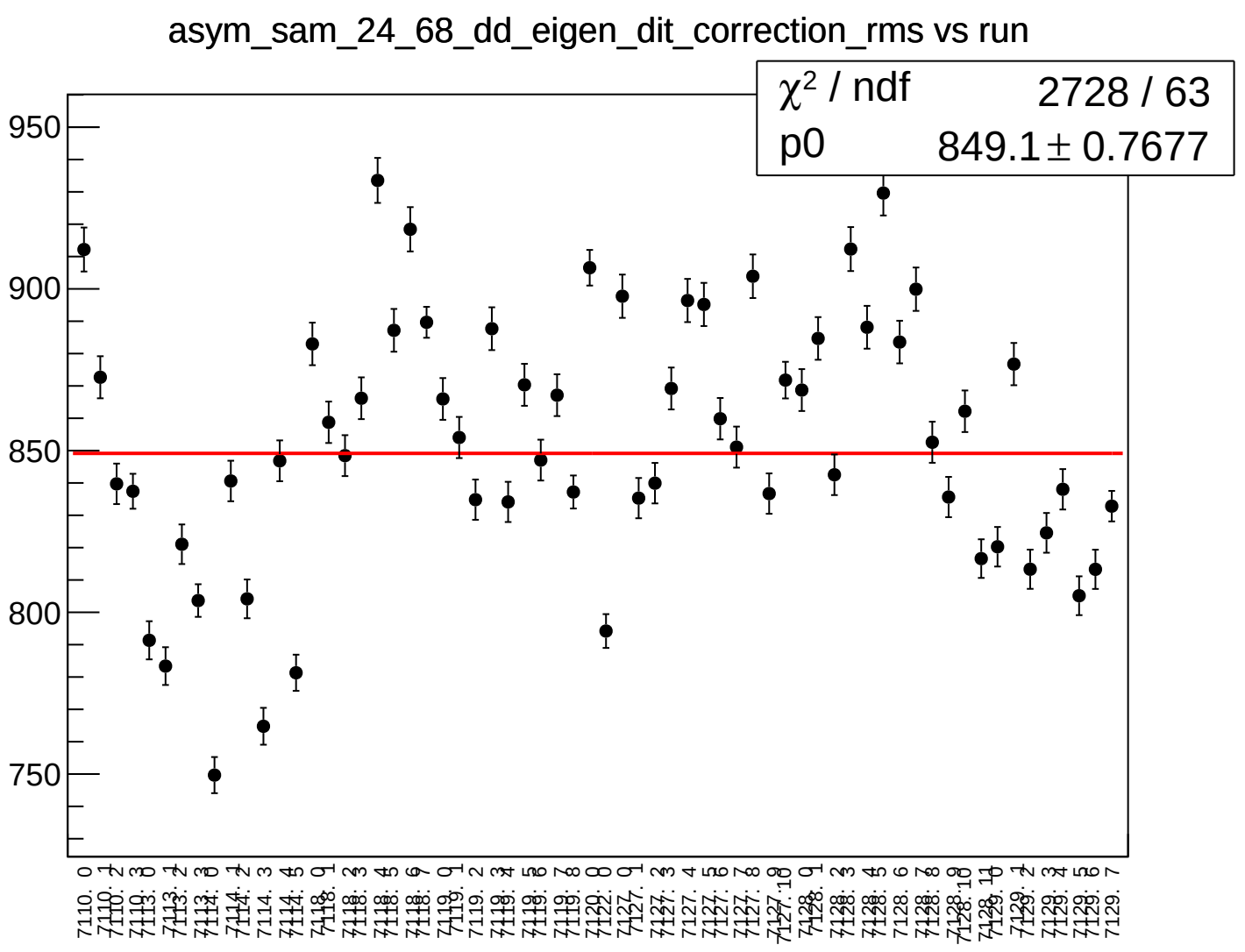

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 47.29 / 63
p0 −193.2 ± 132.9
pull
Entries 64
Mean −90.13
Std Dev 0

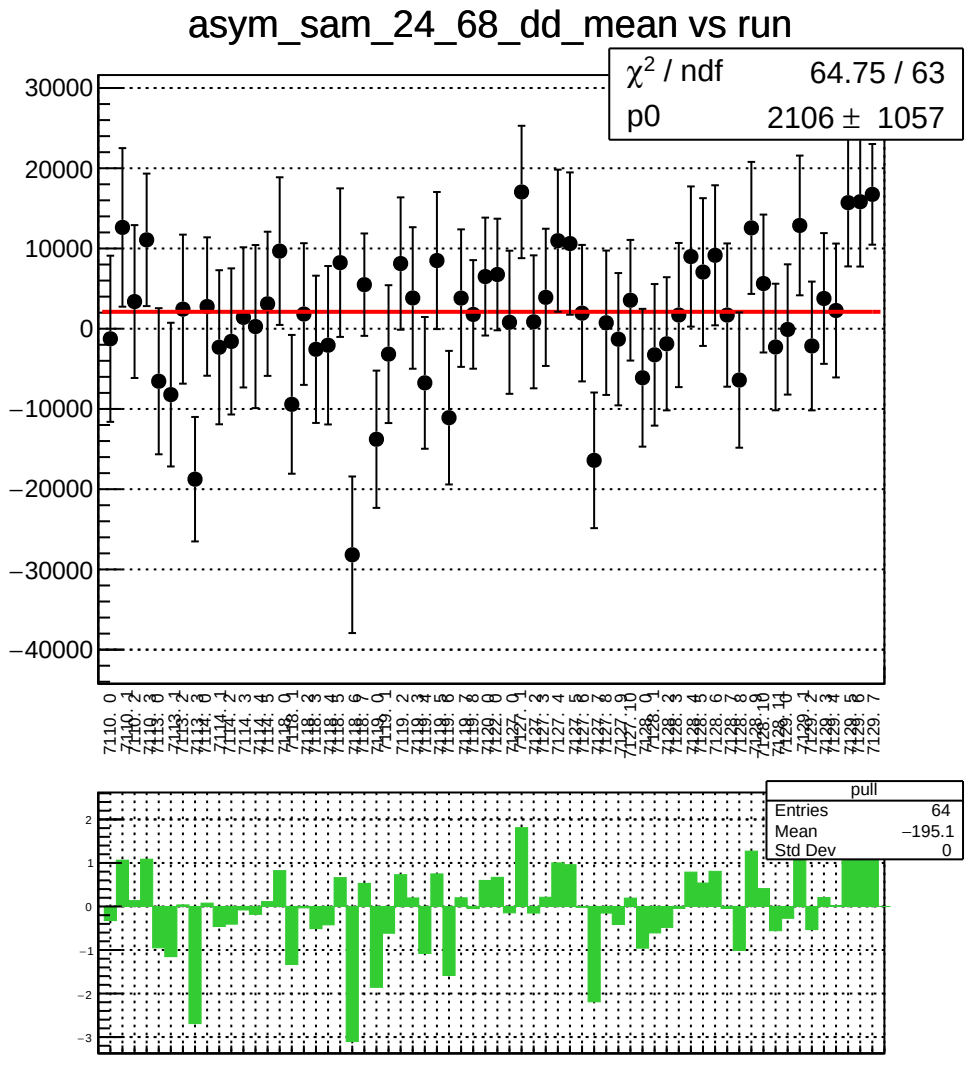

pull1D
Entries 64
Mean 0.02912
Std Dev 0.8591

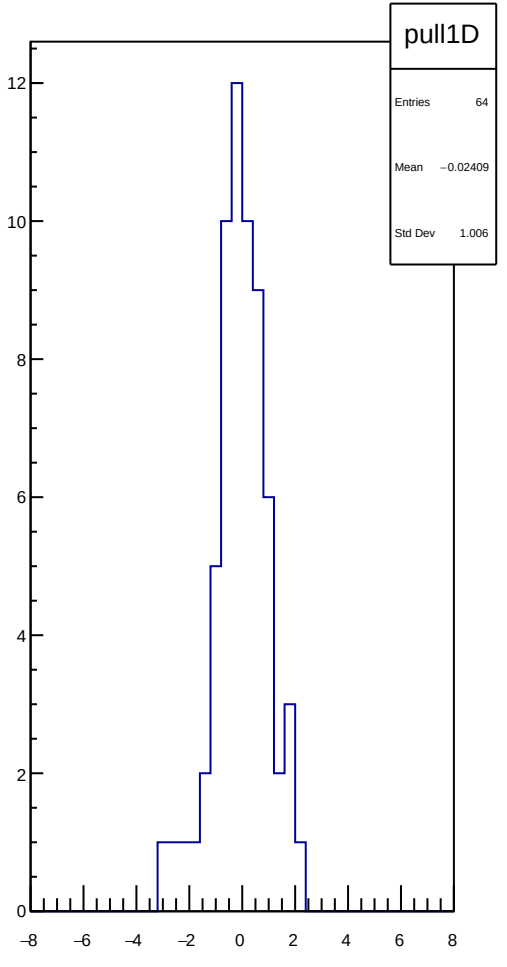

eigen_dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2.288e+04 / 63
p0 103.1 ± 0.09397
180
160
140
120
100

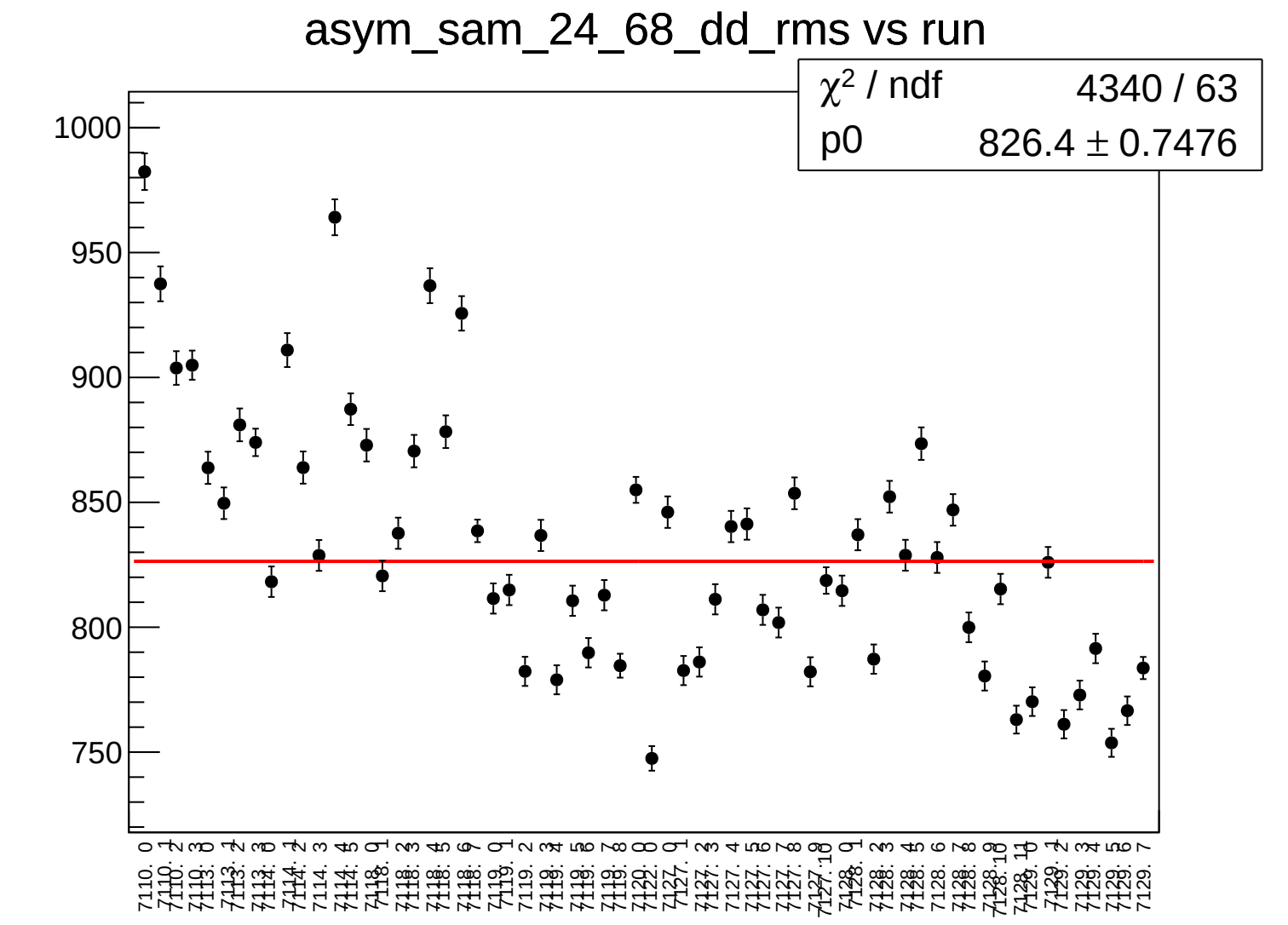

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.66 / 63
p0 −2026 ± 1086
pull
Entries 64
Mean −505.4
Std Dev 0

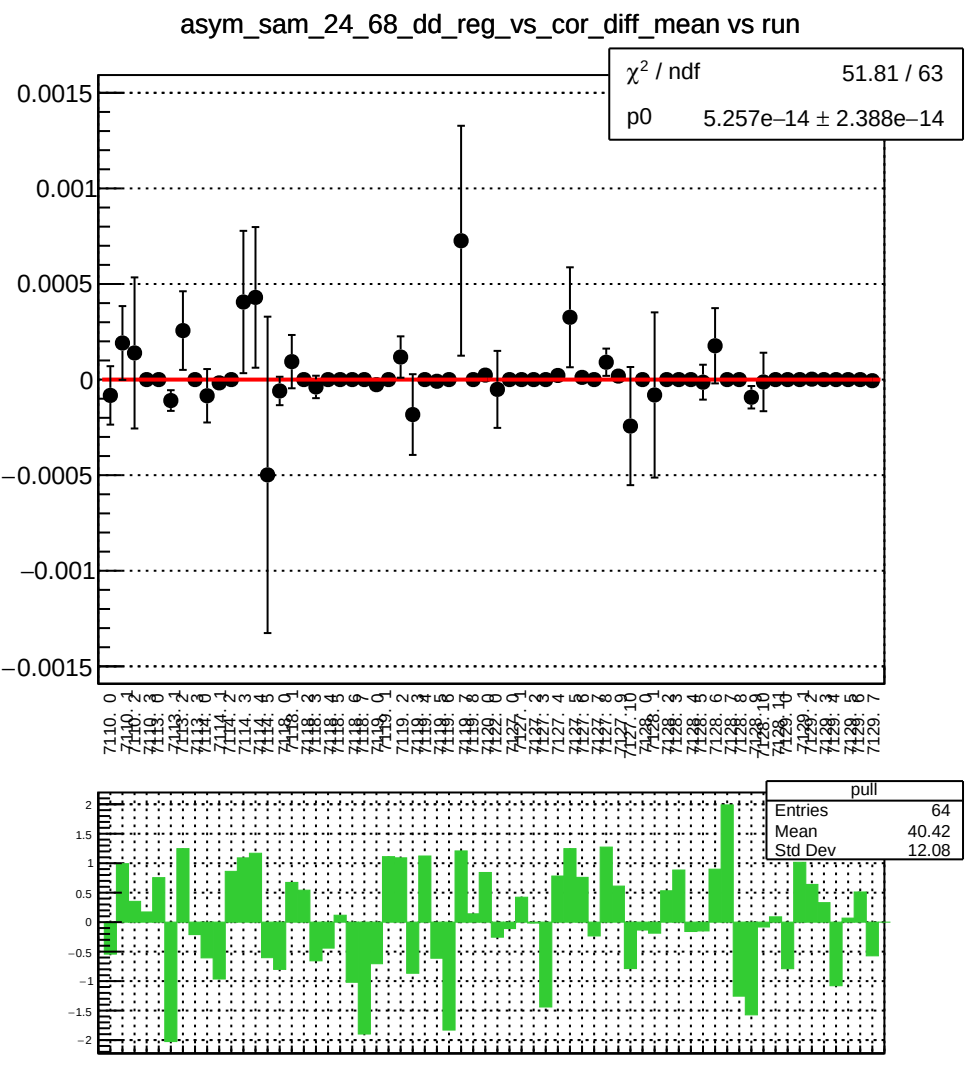

pull1D
Entries 64
Mean 0.01084
Std Dev 1.013

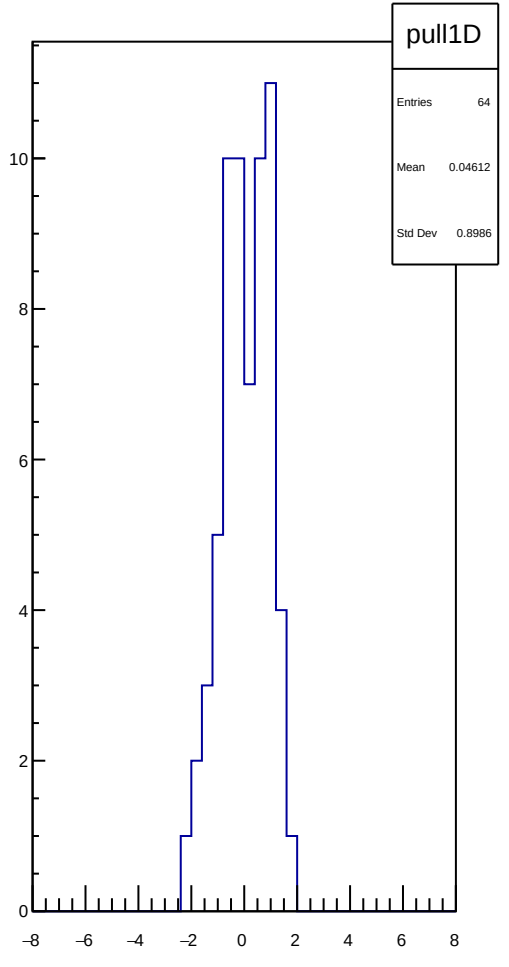

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 2728 / 63
p0 849.1 ± 0.7677
950
900
850
800
750

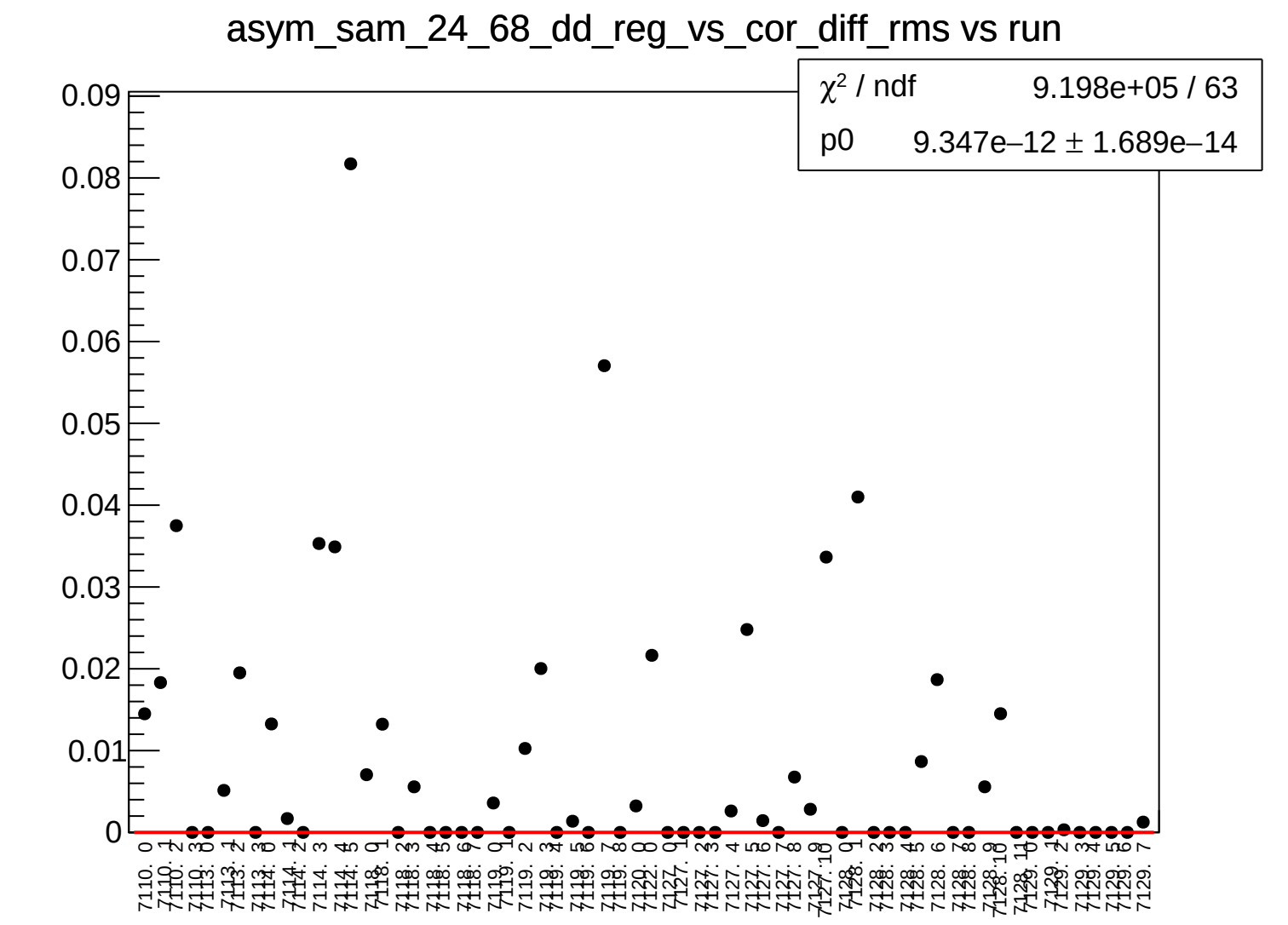

asym_sam_24_68_dd_mean vs run
χ² / ndf 64.75 / 63
p0 2106 ± 1057
pull
Entries 64
Mean −195.1
Std Dev 0

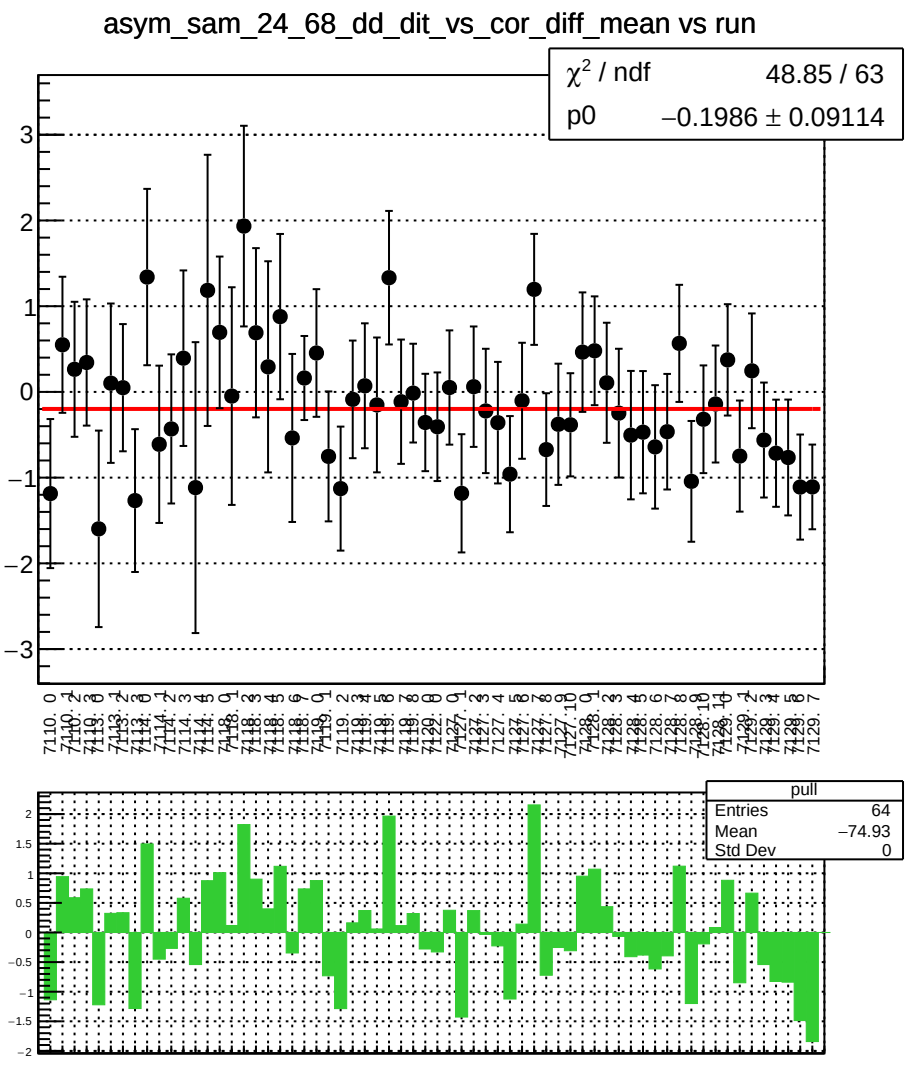

pull1D
Entries 64
Mean −0.02409
Std Dev 1.006

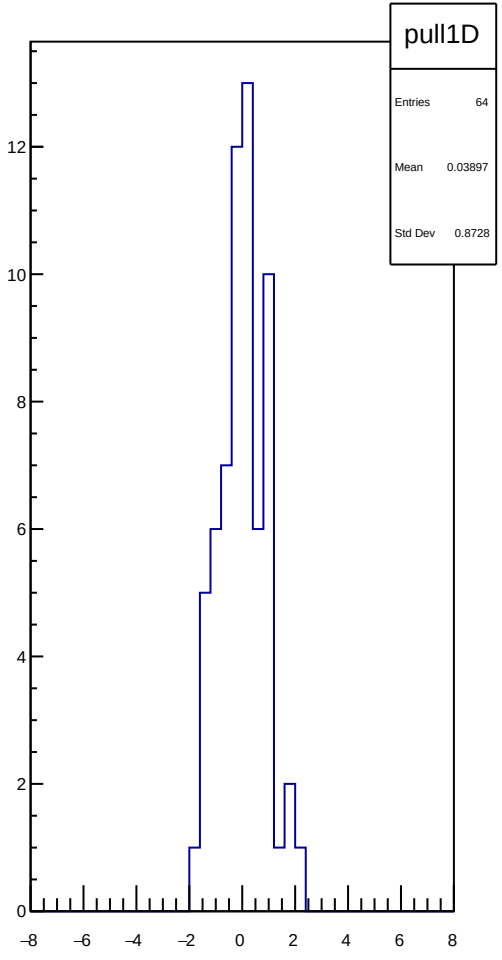

asym_sam_24_68_dd_rms vs run
χ² / ndf 4340 / 63
p0 826.4 ± 0.7476
1000
950
900
850
800
750

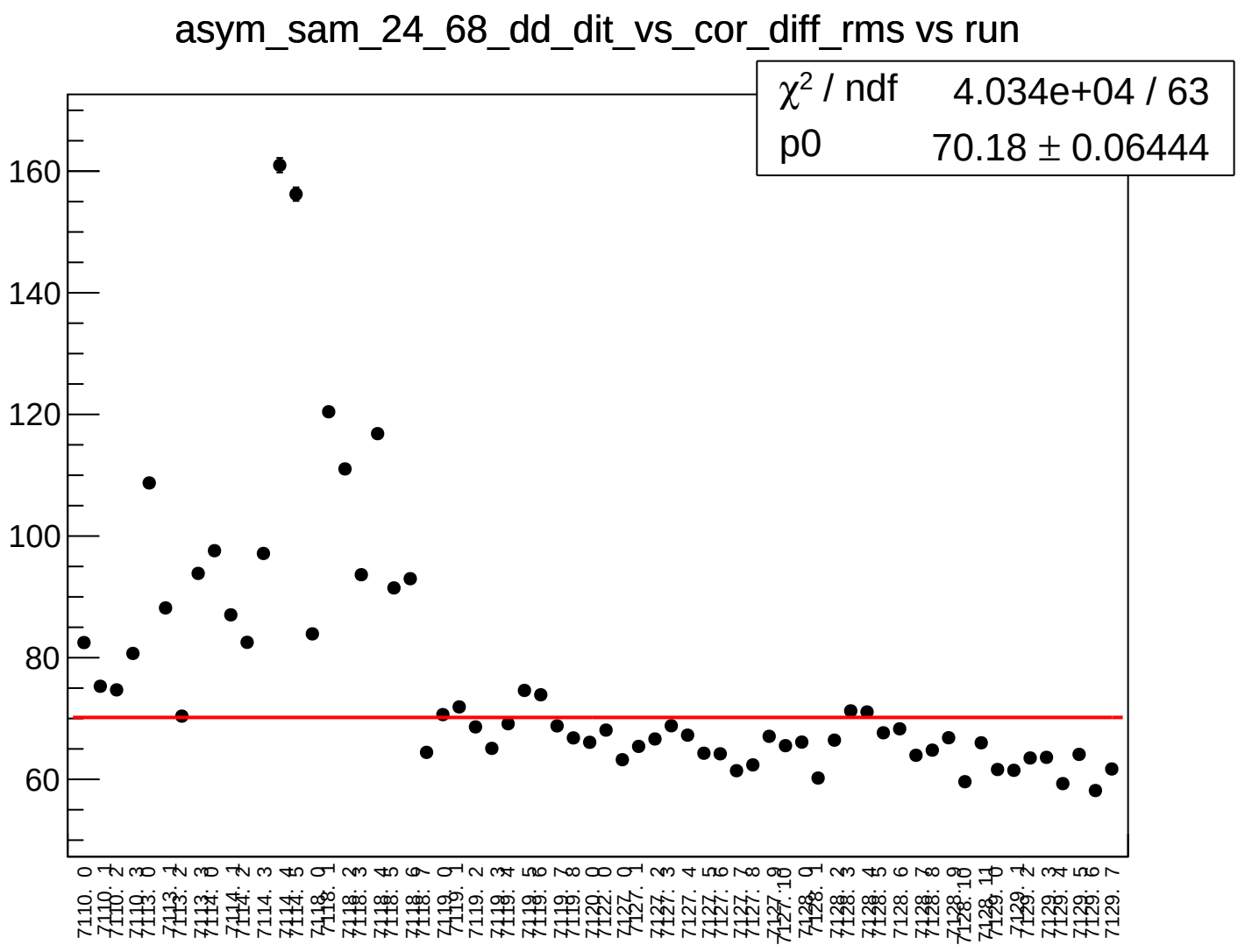

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.81 / 63
p0 5.257e−14 ± 2.388e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 64
Mean 40.42
Std Dev 12.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 64
Mean 0.04612
Std Dev 0.8986
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

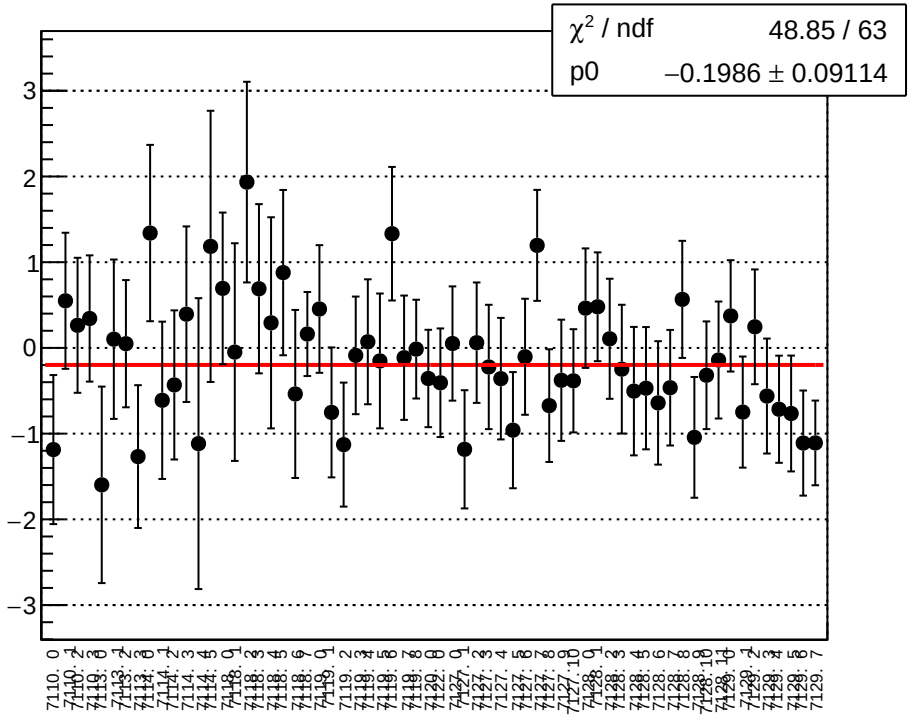

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.198e+05 / 63
p0 9.347e−12 ± 1.689e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

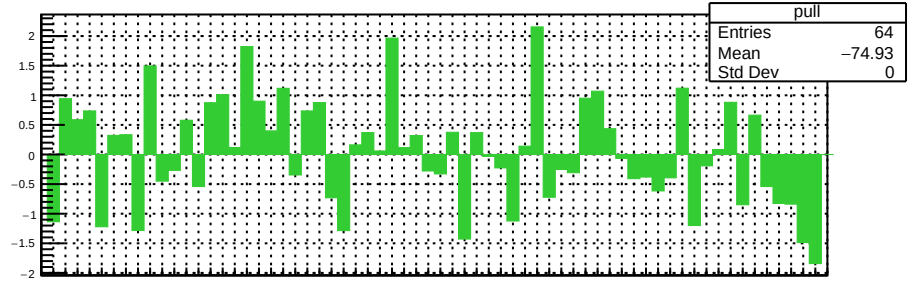

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.85 / 63
p0 −0.1986 ± 0.09114
pull
Entries 64
Mean −74.93
Std Dev 0

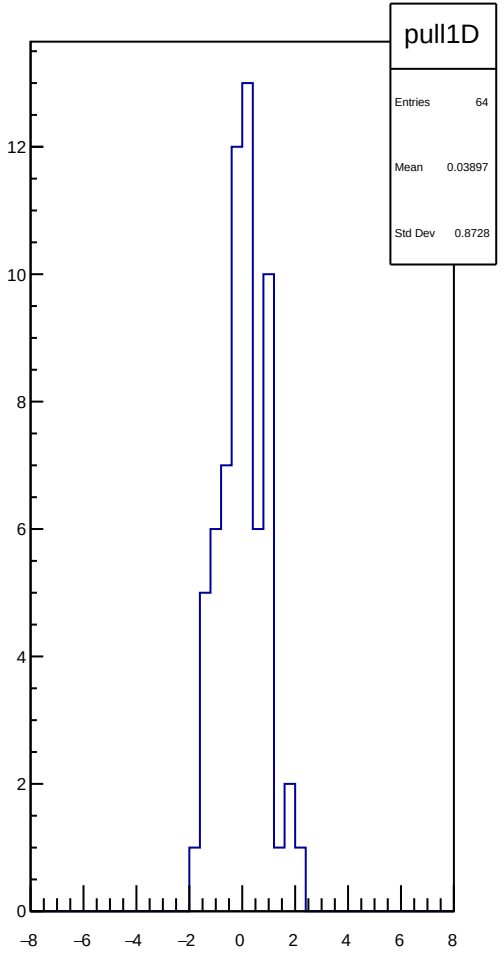

pull1D
Entries 64
Mean 0.03897
Std Dev 0.8728

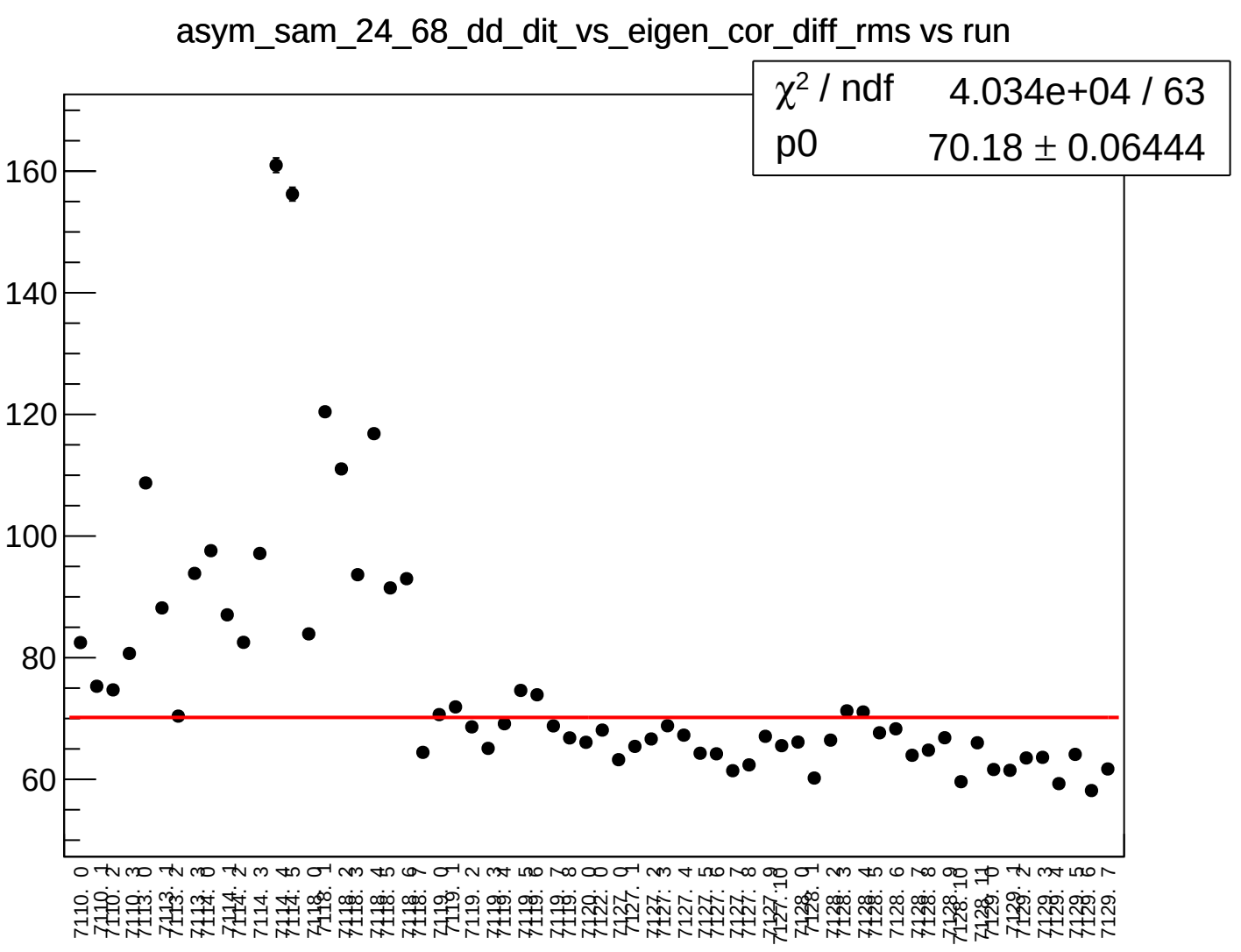

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.034e+04 / 63
p0 70.18 ± 0.06444
160
140
120
100
80
60

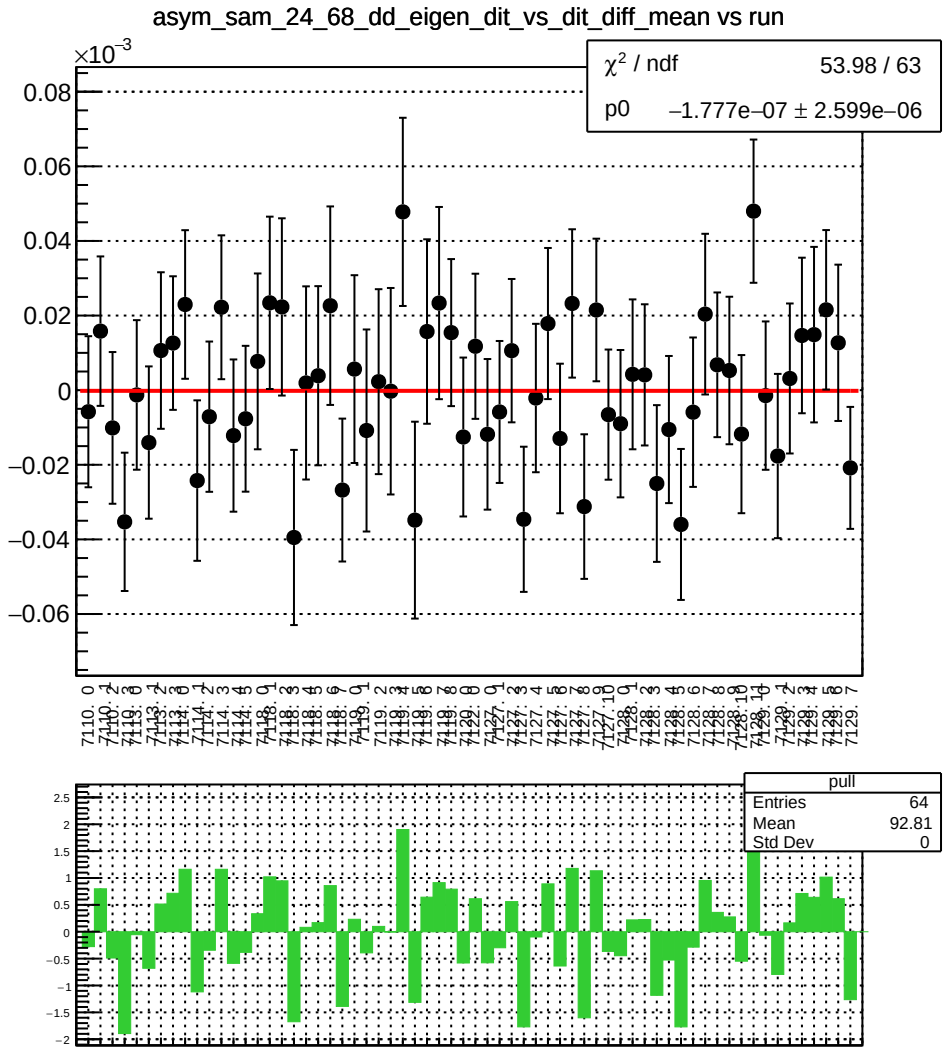
asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run

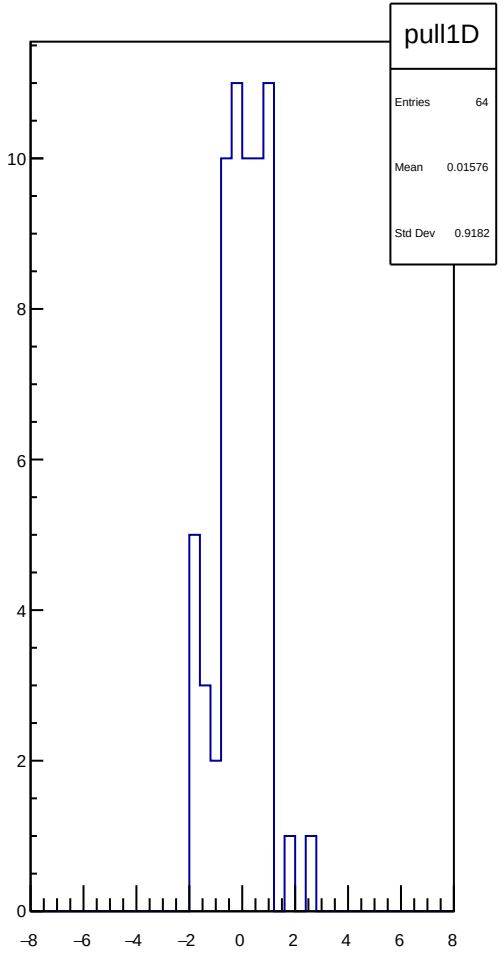


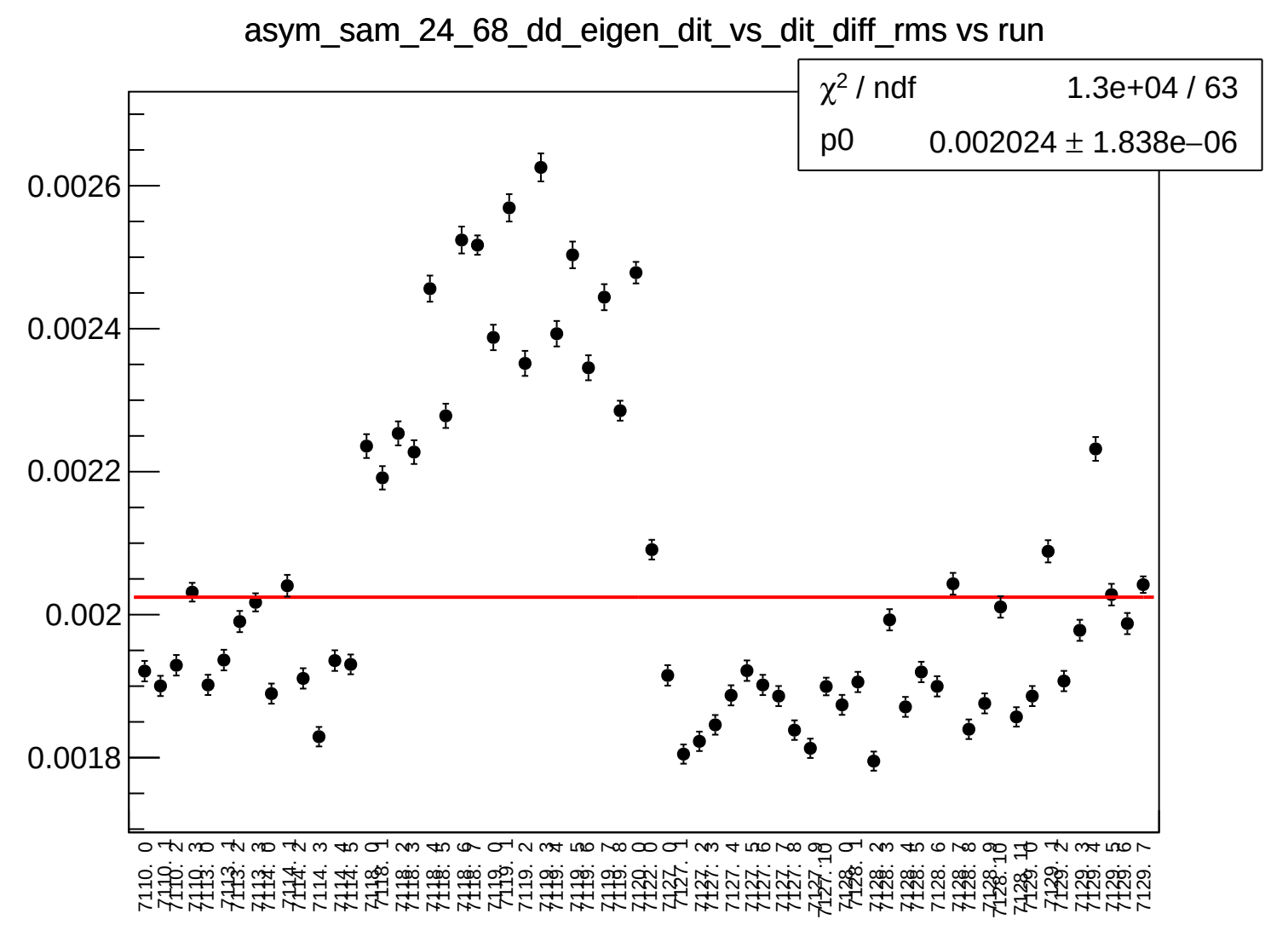




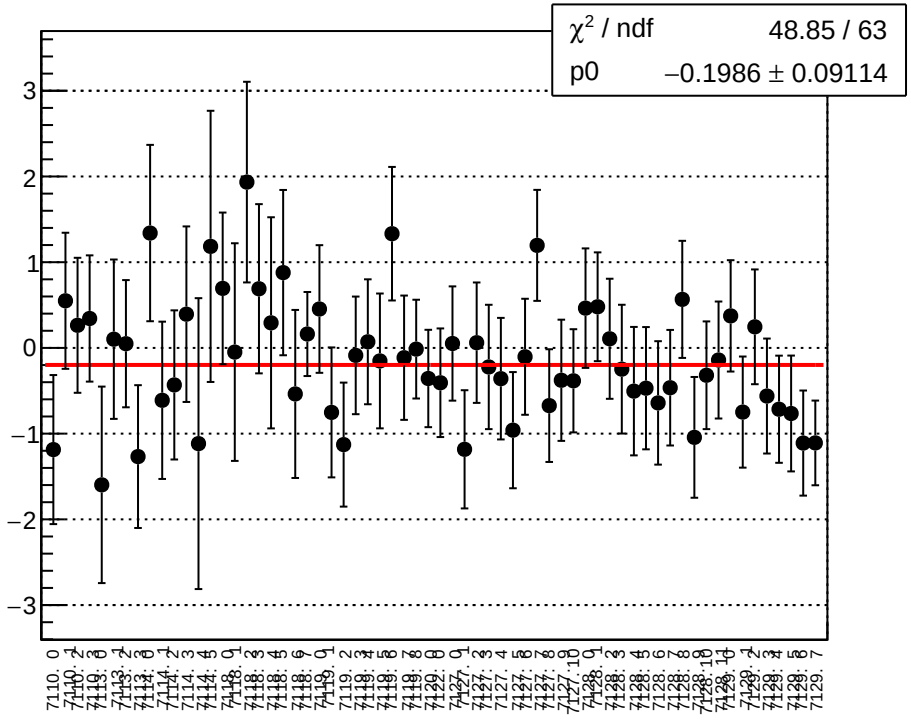

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.034e+04 / 63
p0 70.18 ± 0.06444
160
140
120
100
80
60

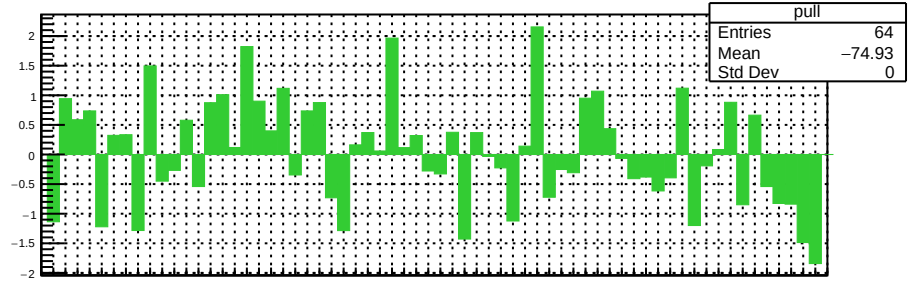

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.98 / 63
p0 −1.777e−07 ± 2.599e−06
pull
Entries 64
Mean 92.81
Std Dev 0

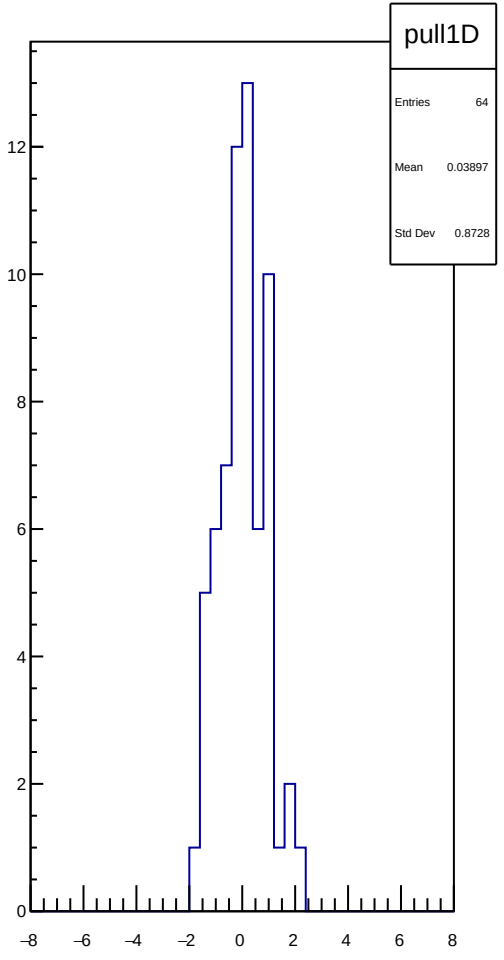

pull1D
Entries 64
Mean 0.01576
Std Dev 0.9182

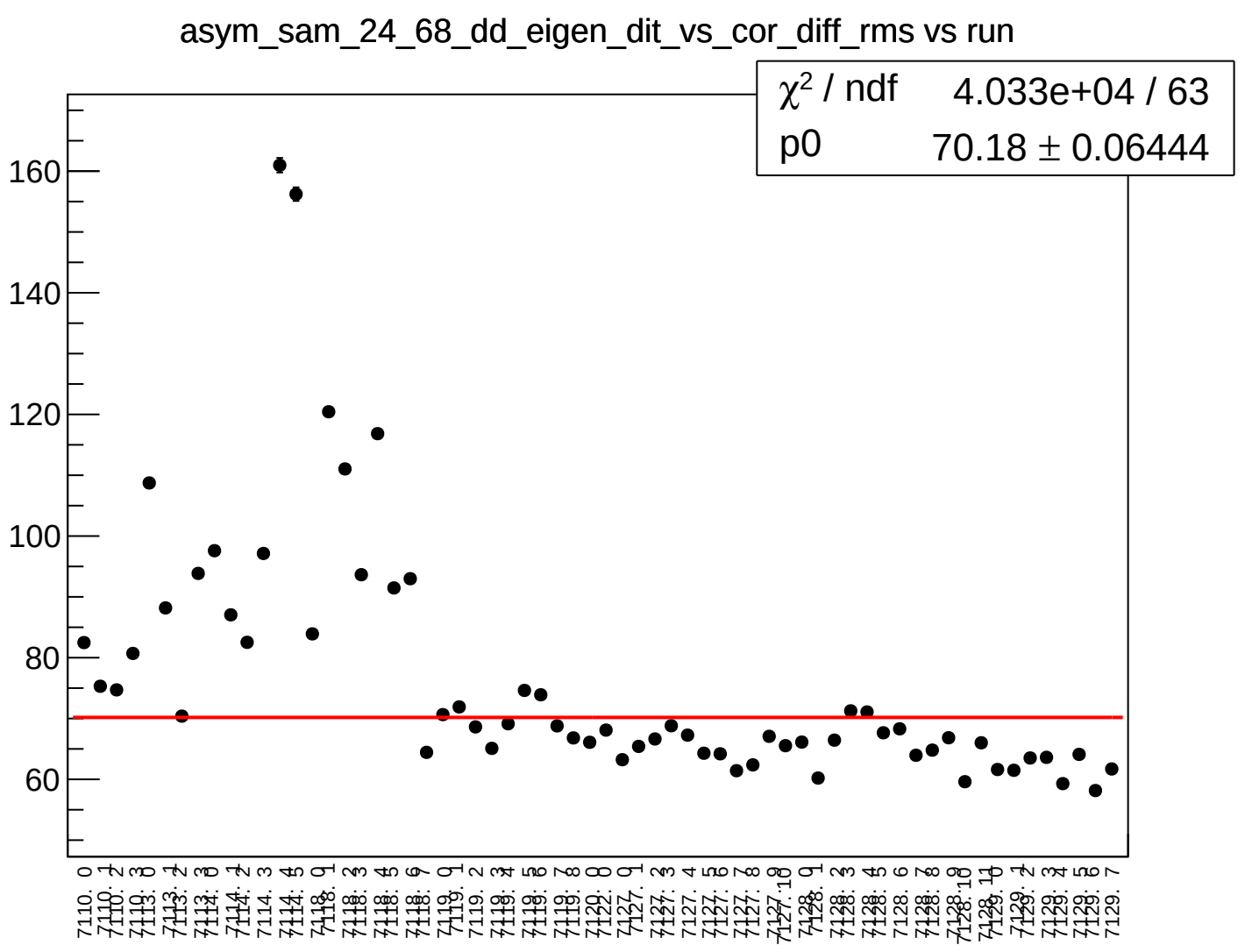

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.3e+04 / 63
p0 0.002024 ± 1.838e−06
0.0026
0.0024
0.0022
0.002
0.0018

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run

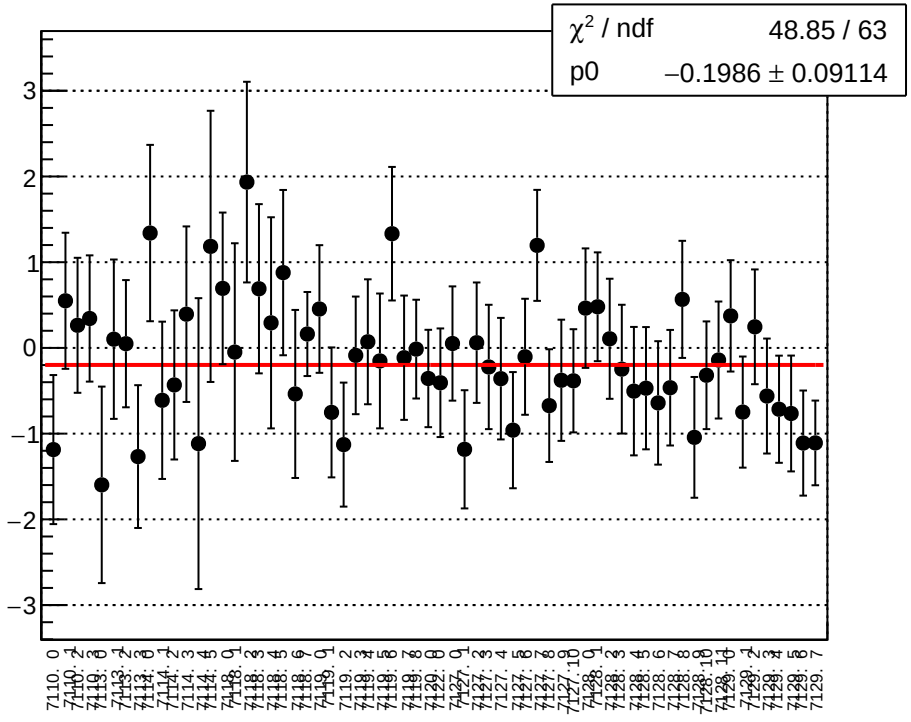


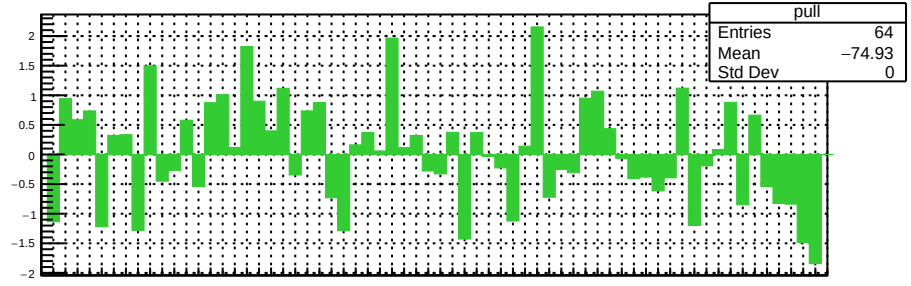


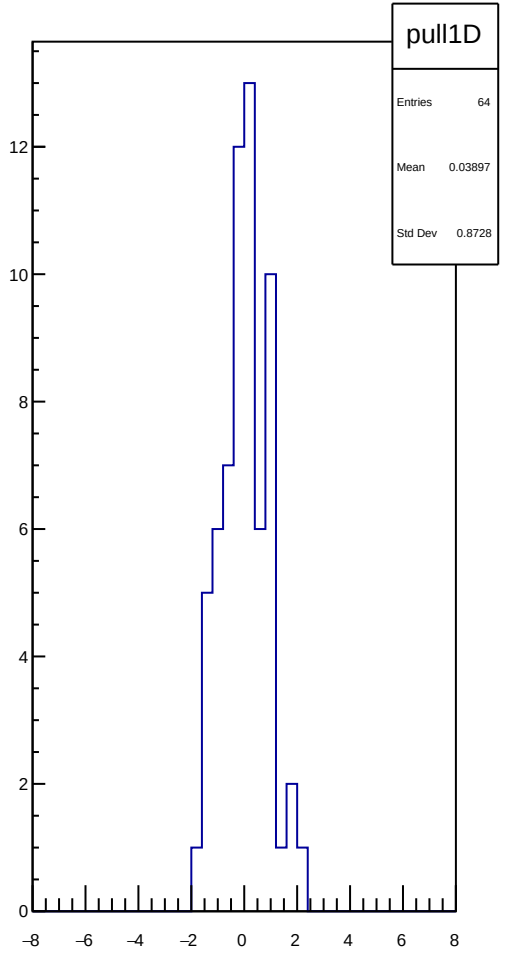


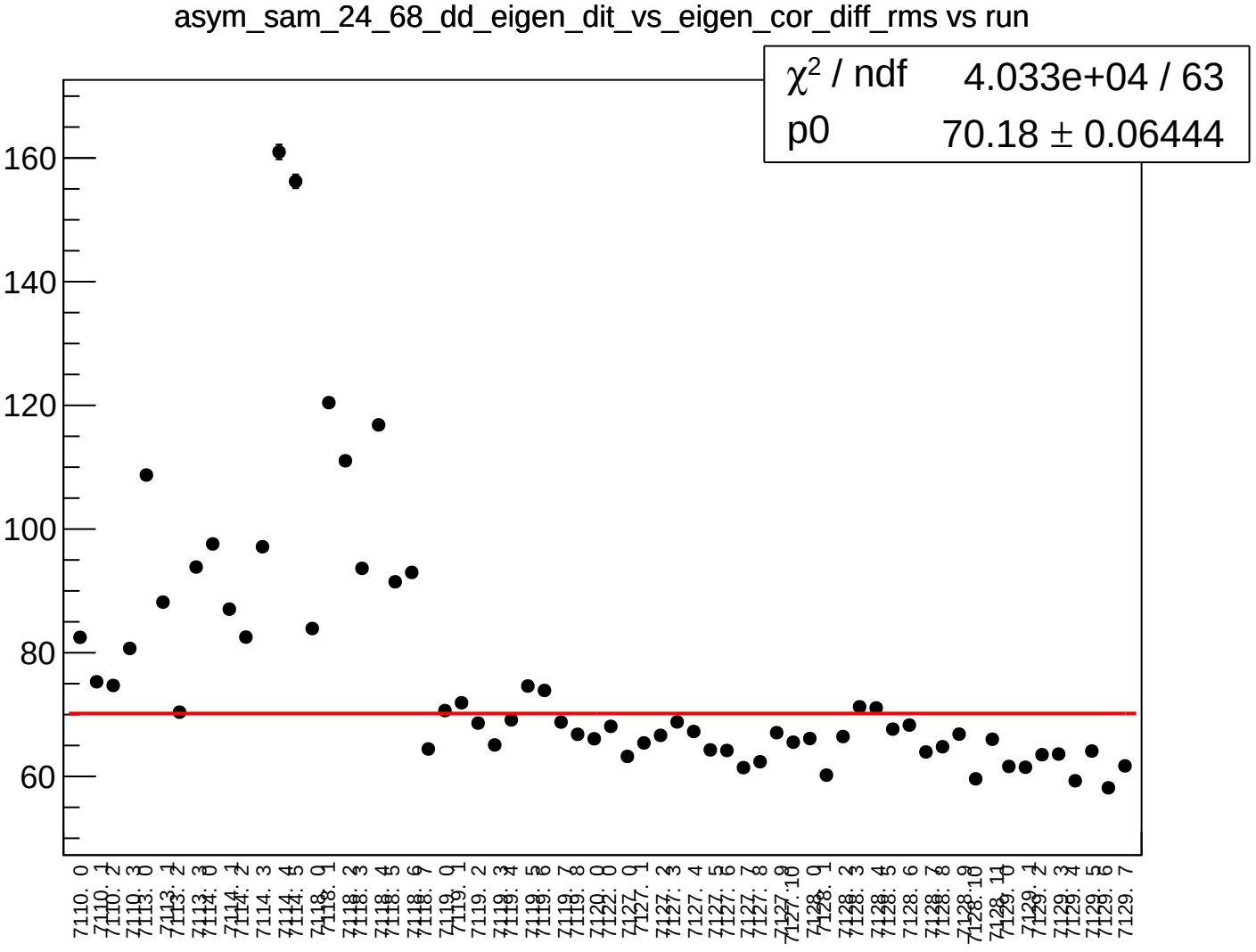

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.033e+04 / 63
p0 70.18 ± 0.06444
160
140
120
100
80
60

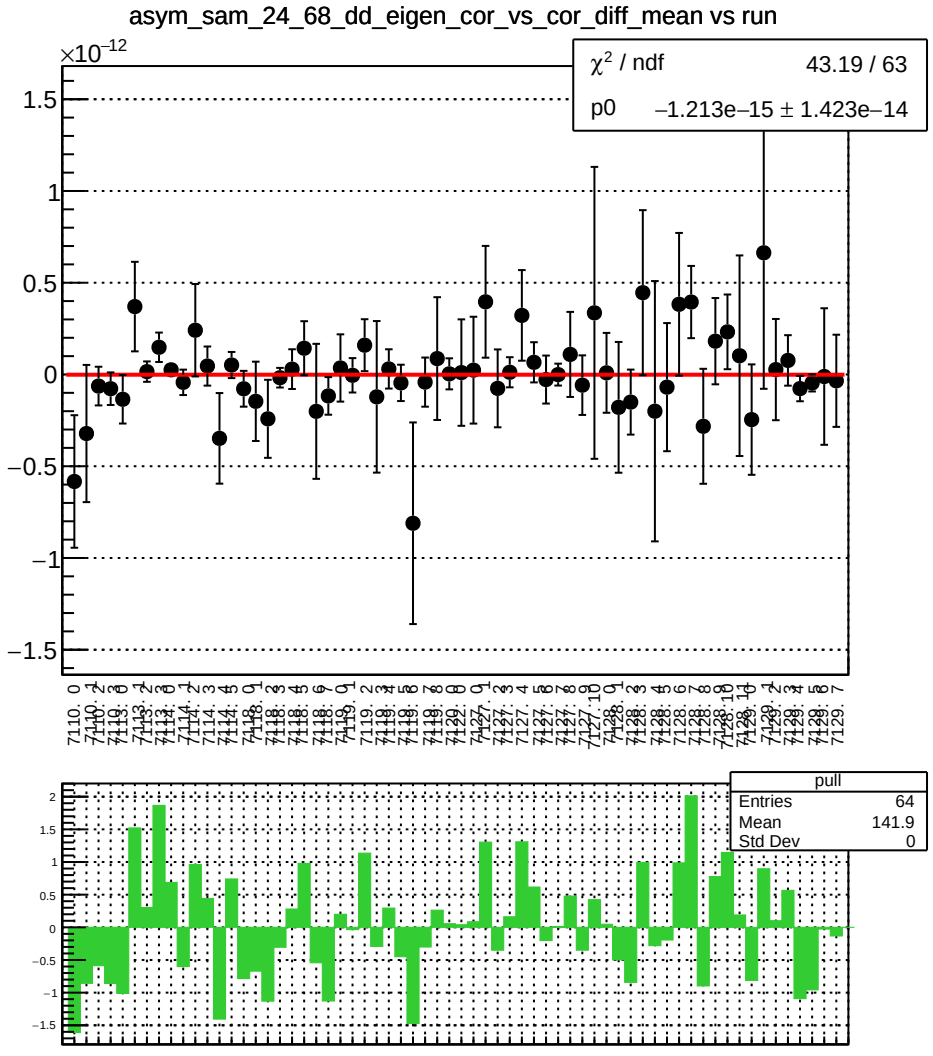
asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

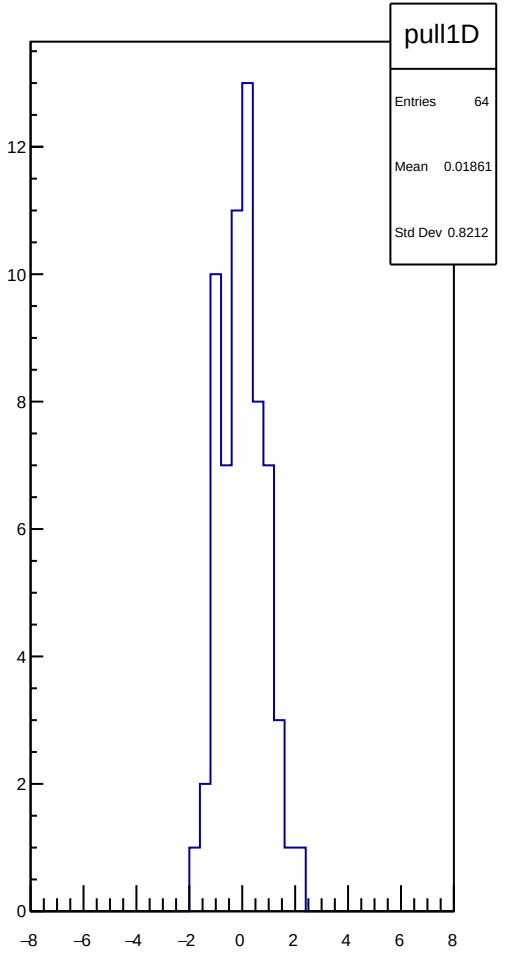


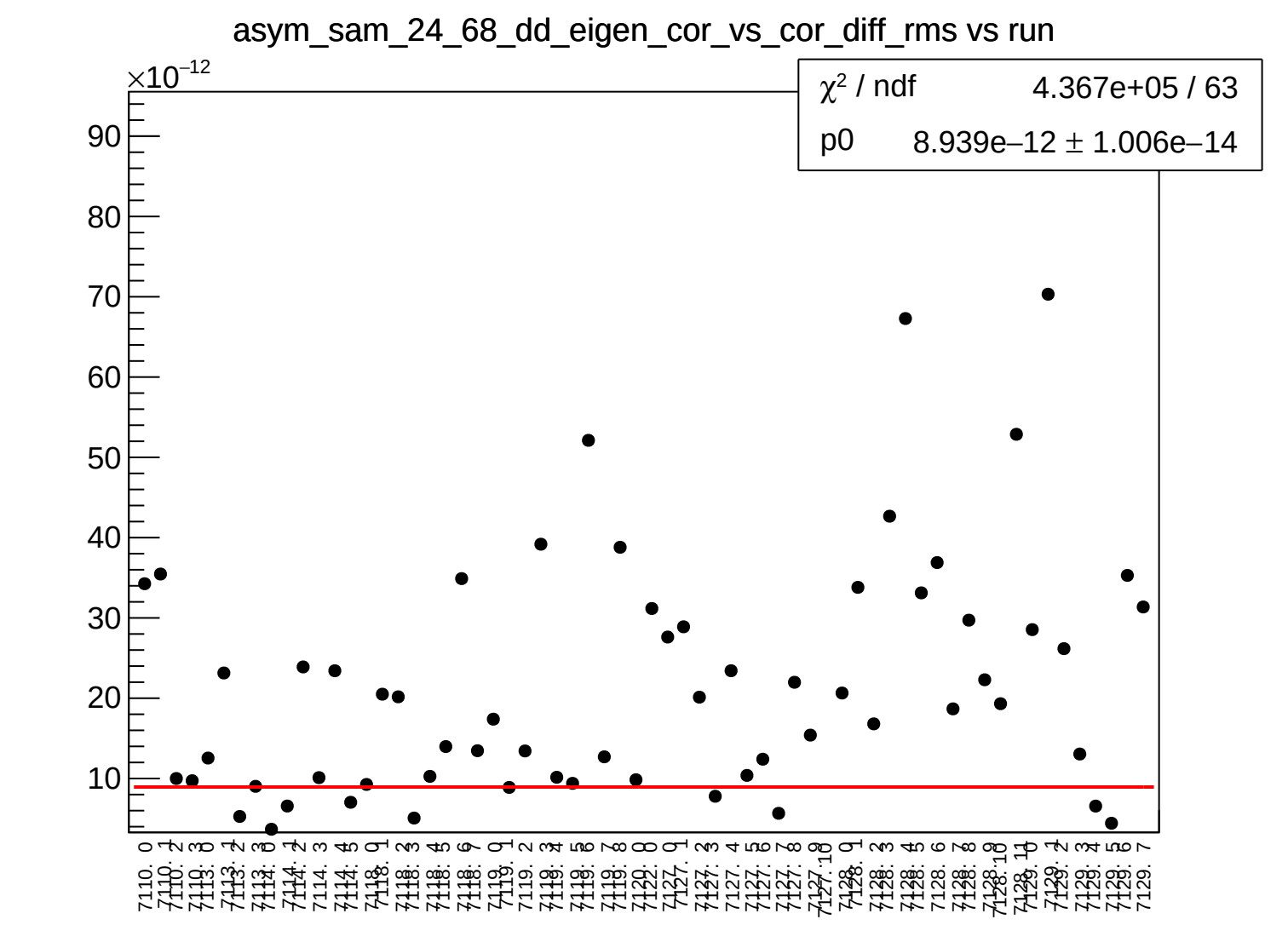


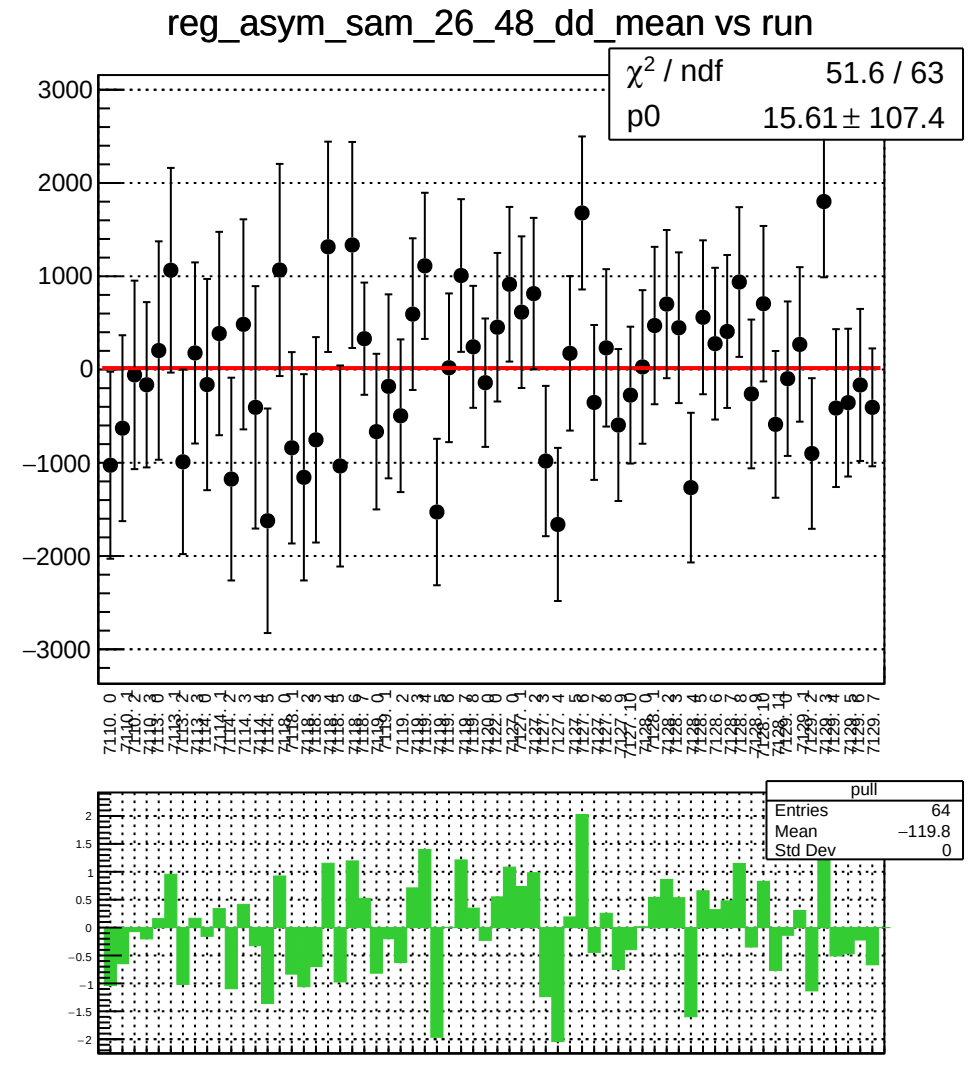


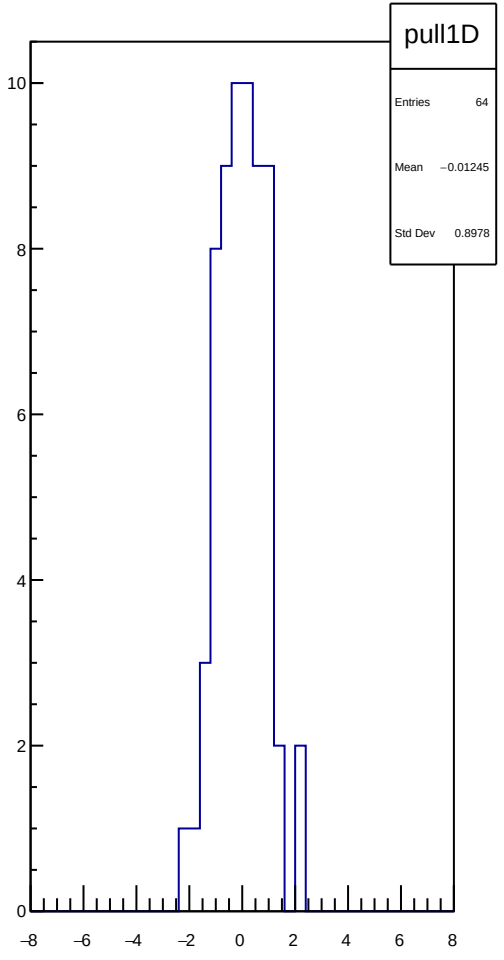

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.033e+04 / 63
p0 70.18 ± 0.06444
160
140
120
100
80
60

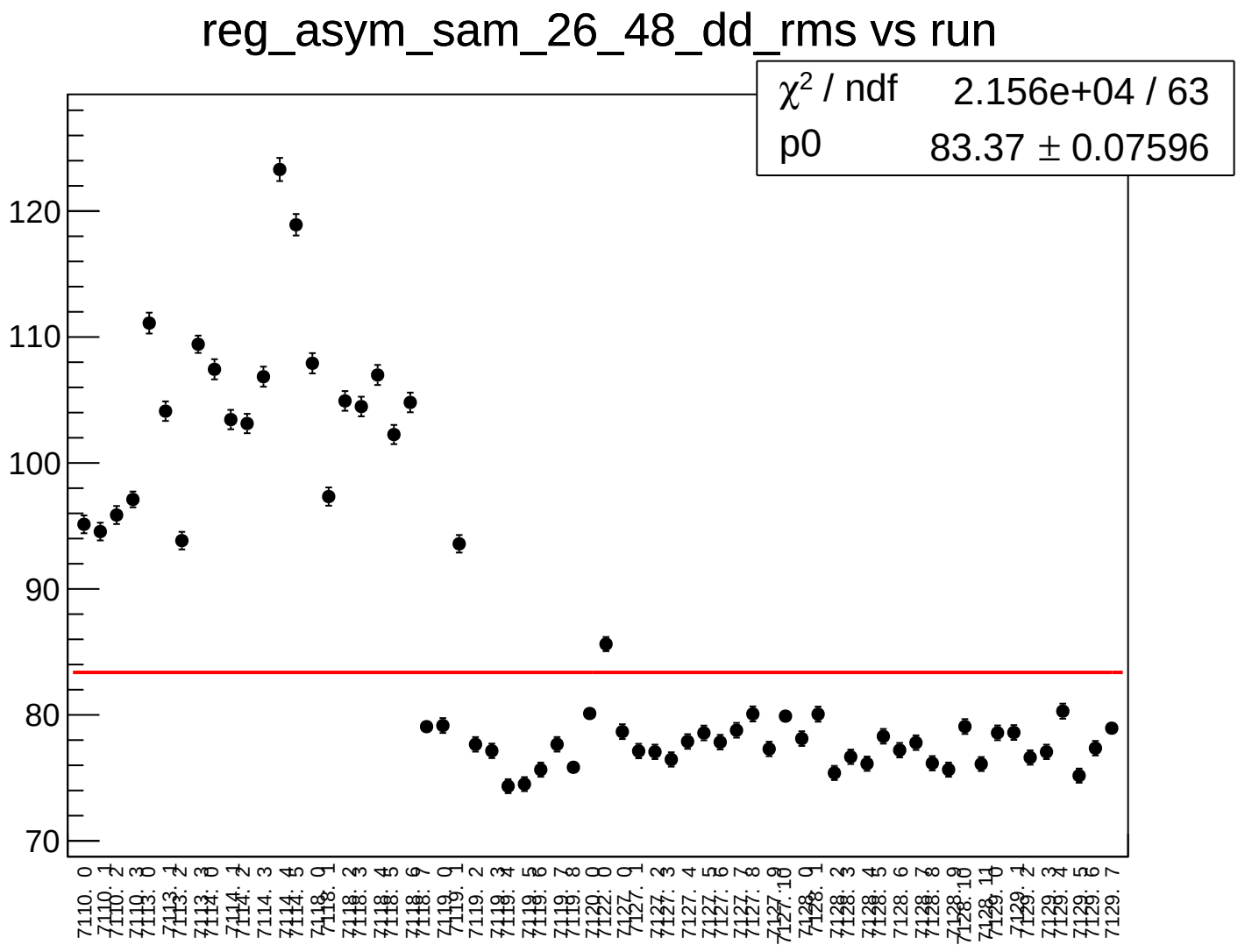

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 43.19 / 63
p0 −1.213e−15 ± 1.423e−14
pull
Entries 64
Mean 141.9
Std Dev 0

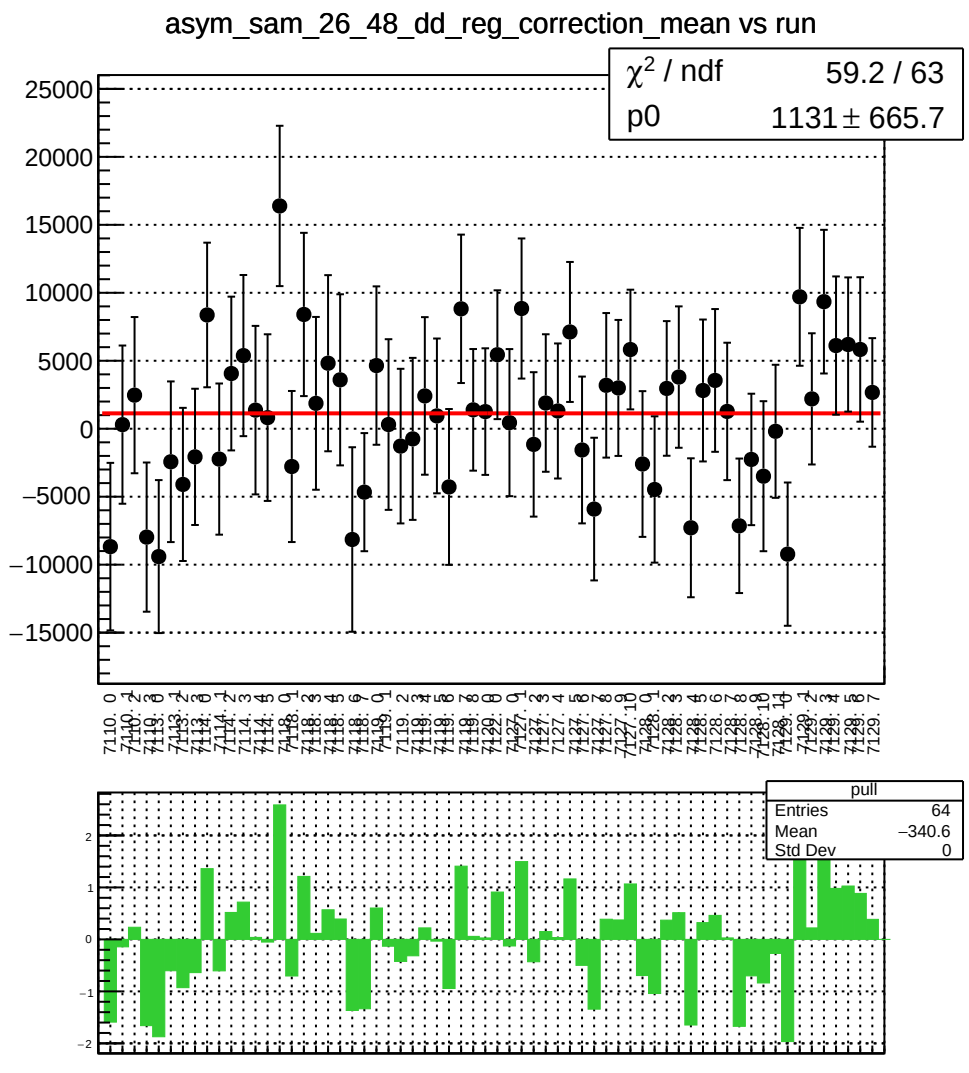

pull1D
Entries 64
Mean 0.01861
Std Dev 0.8212

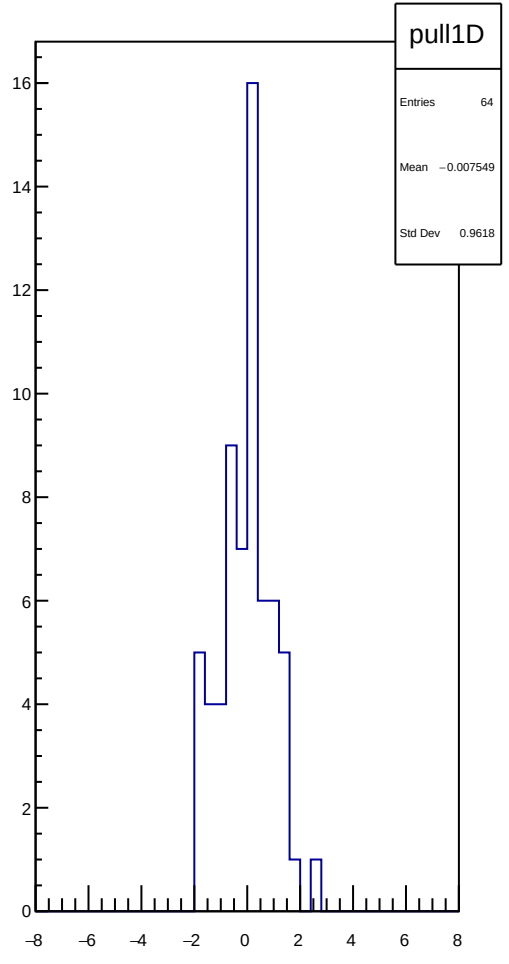

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.367e+05 / 63
p0 8.939e−12 ± 1.006e−14
90
80
70
60
50
40
30
20
10

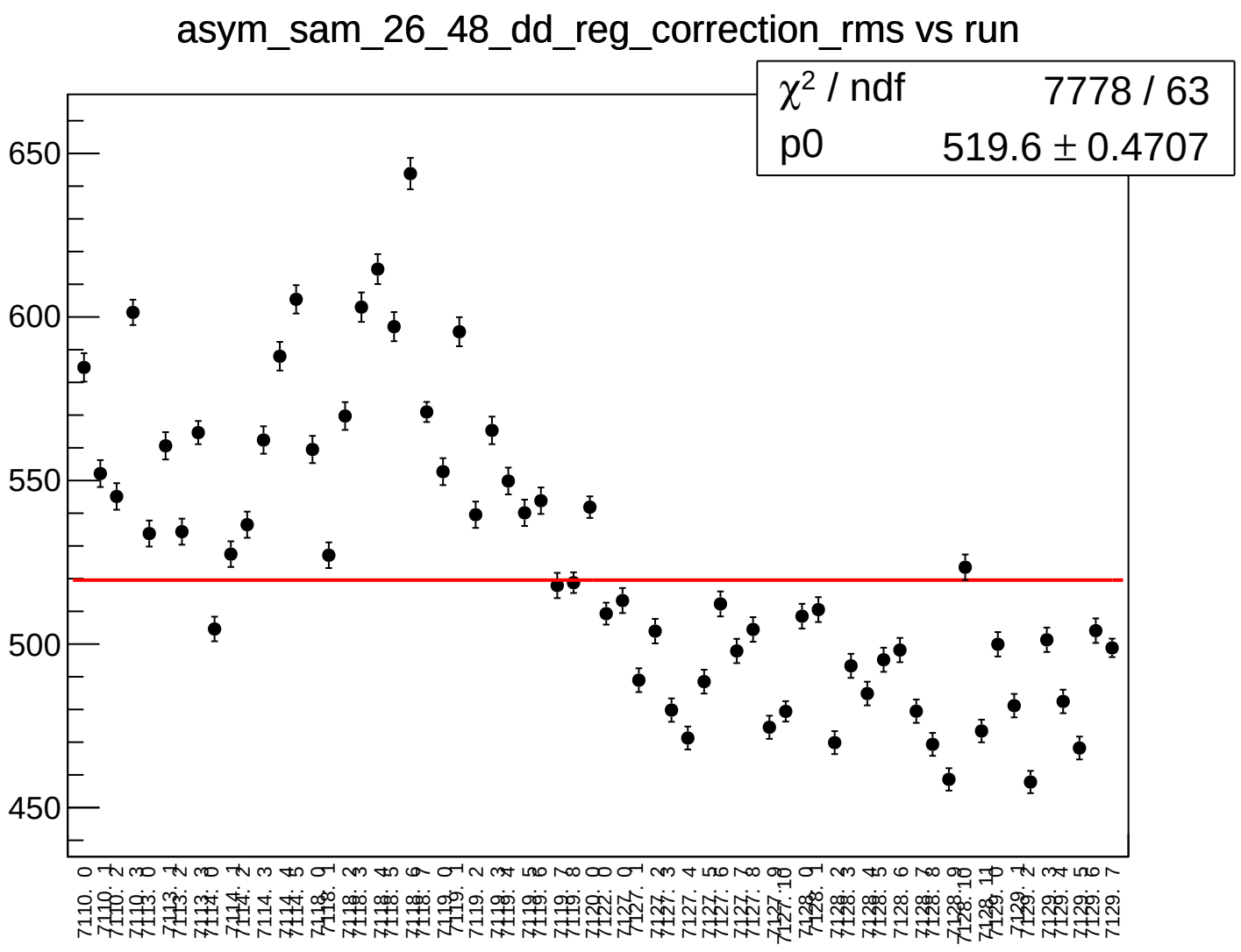

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 51.6 / 63
p0 15.61 ± 107.4
pull
Entries 64
Mean −119.8
Std Dev 0

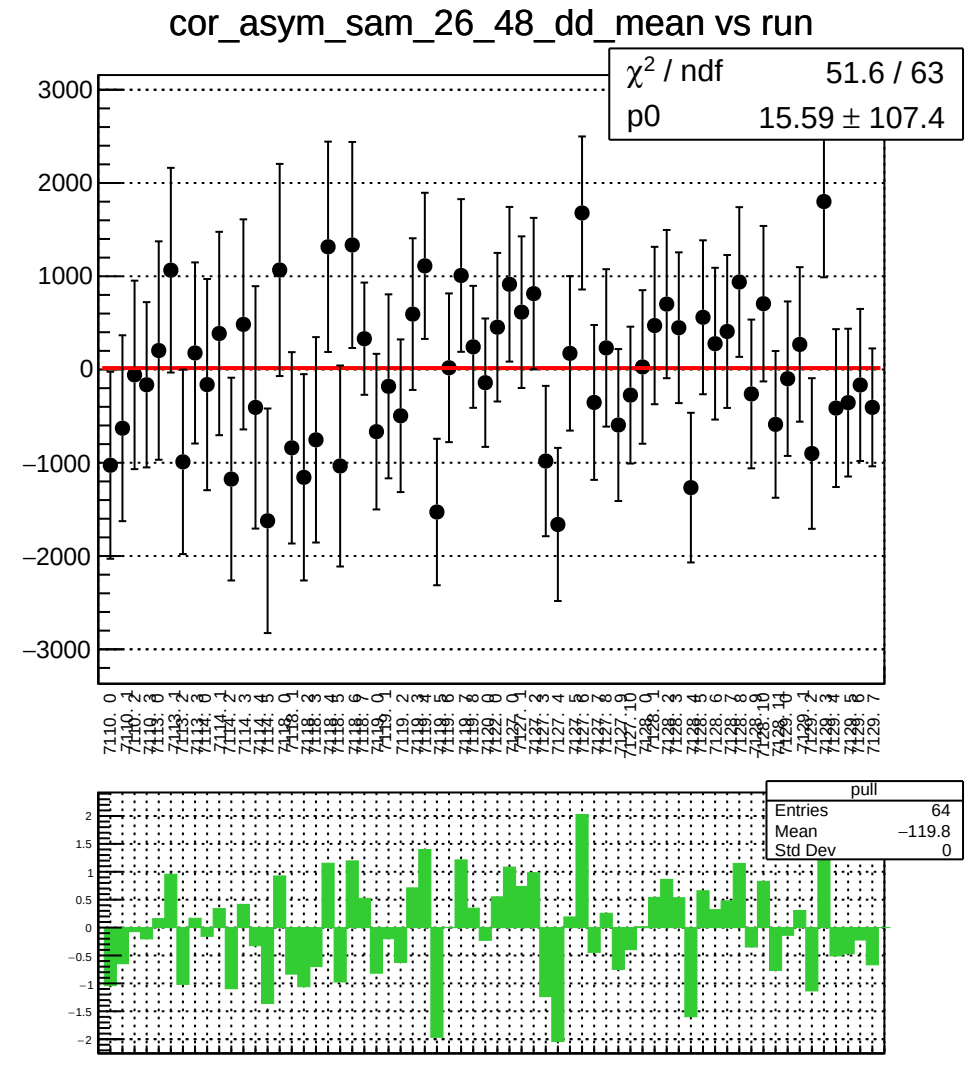

pull1D
Entries 64
Mean −0.01245
Std Dev 0.8978

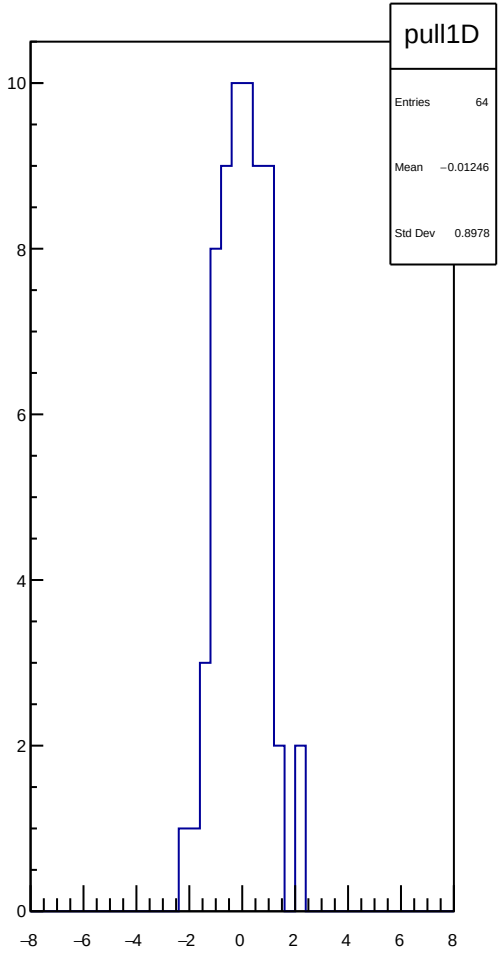

reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.156e+04 / 63
p0 83.37 ± 0.07596
120
110
100
90
80
70

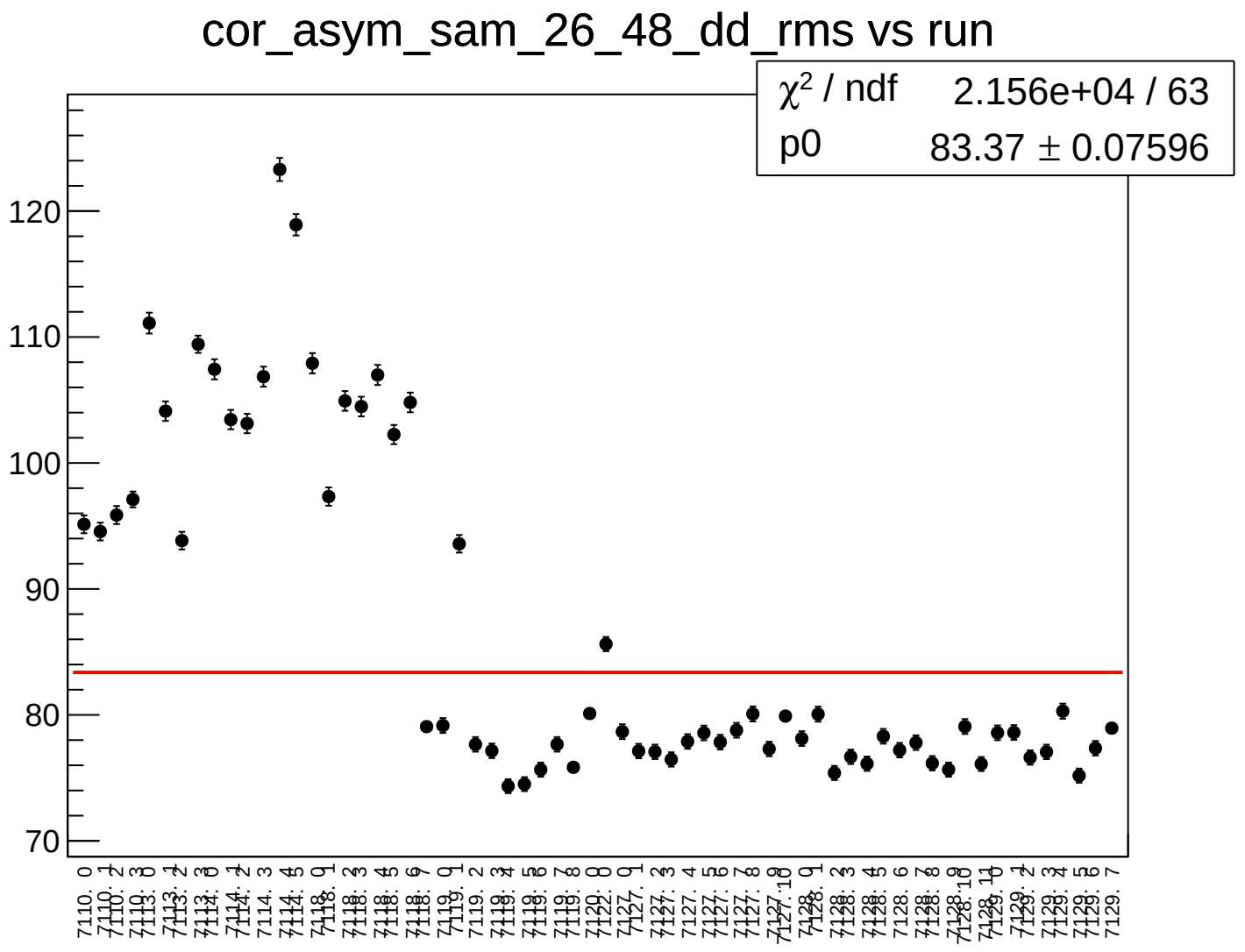

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 59.2 / 63
p0 1131 ± 665.7
pull
Entries 64
Mean −340.6
Std Dev 0

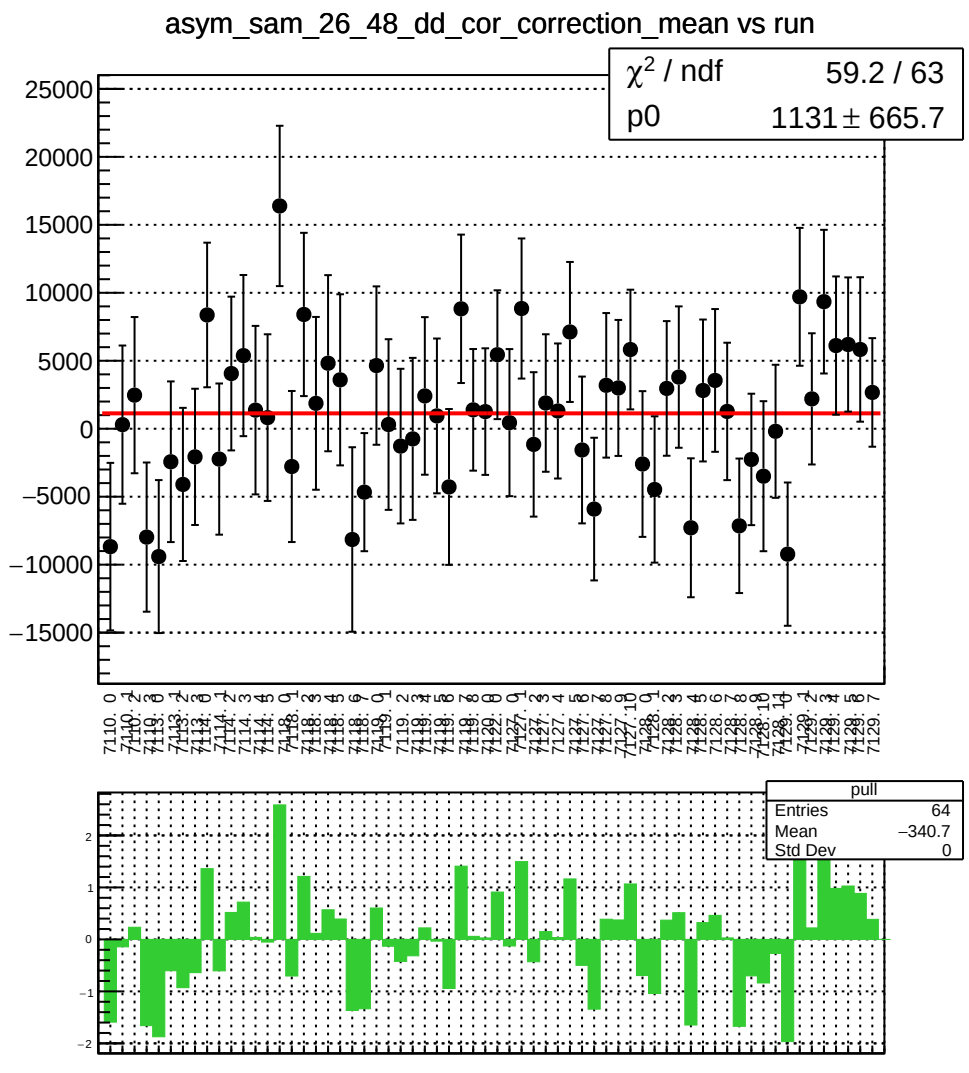

pull1D
Entries 64
Mean −0.007549
Std Dev 0.9618

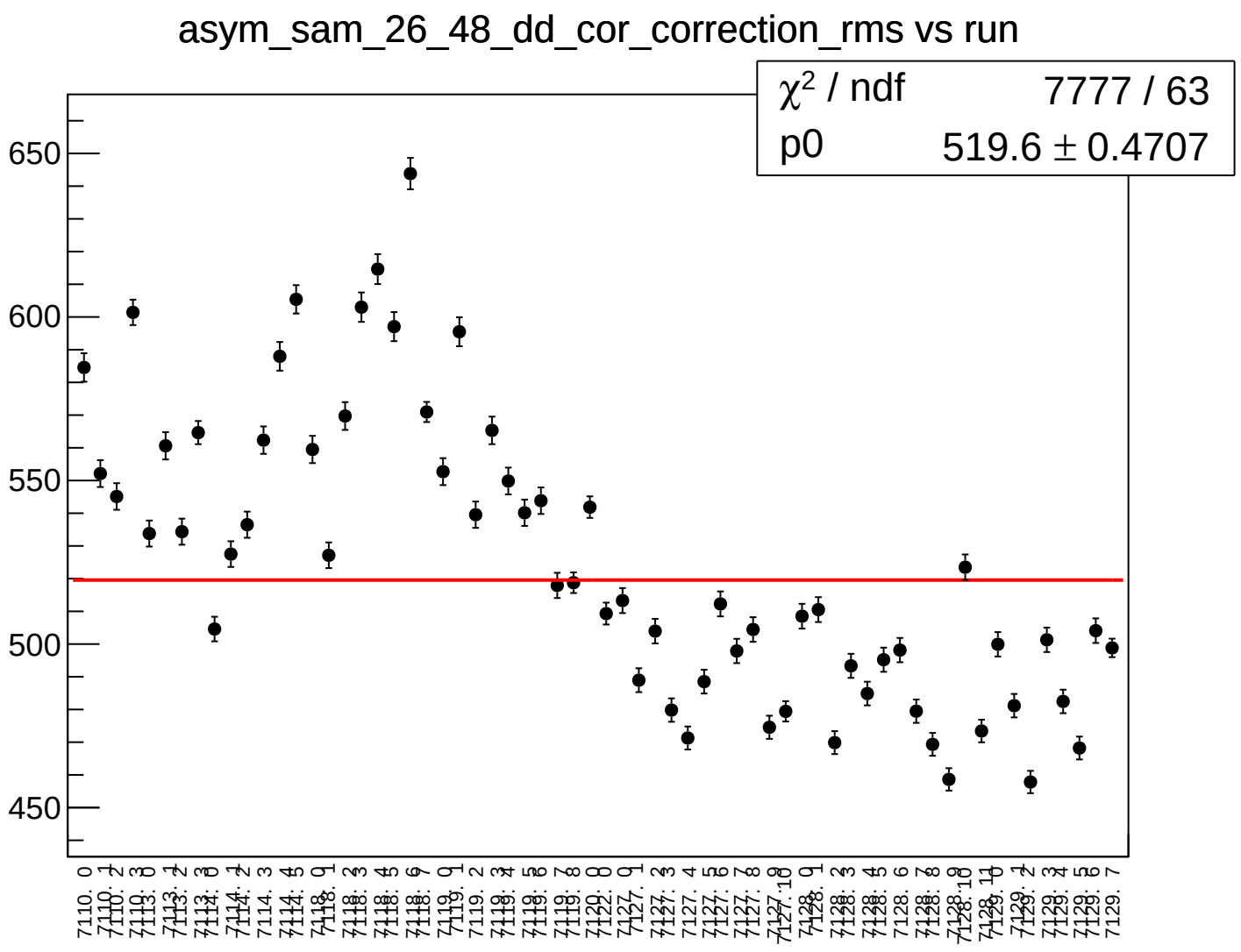

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 7778 / 63
p0 519.6 ± 0.4707
650
600
550
500
450

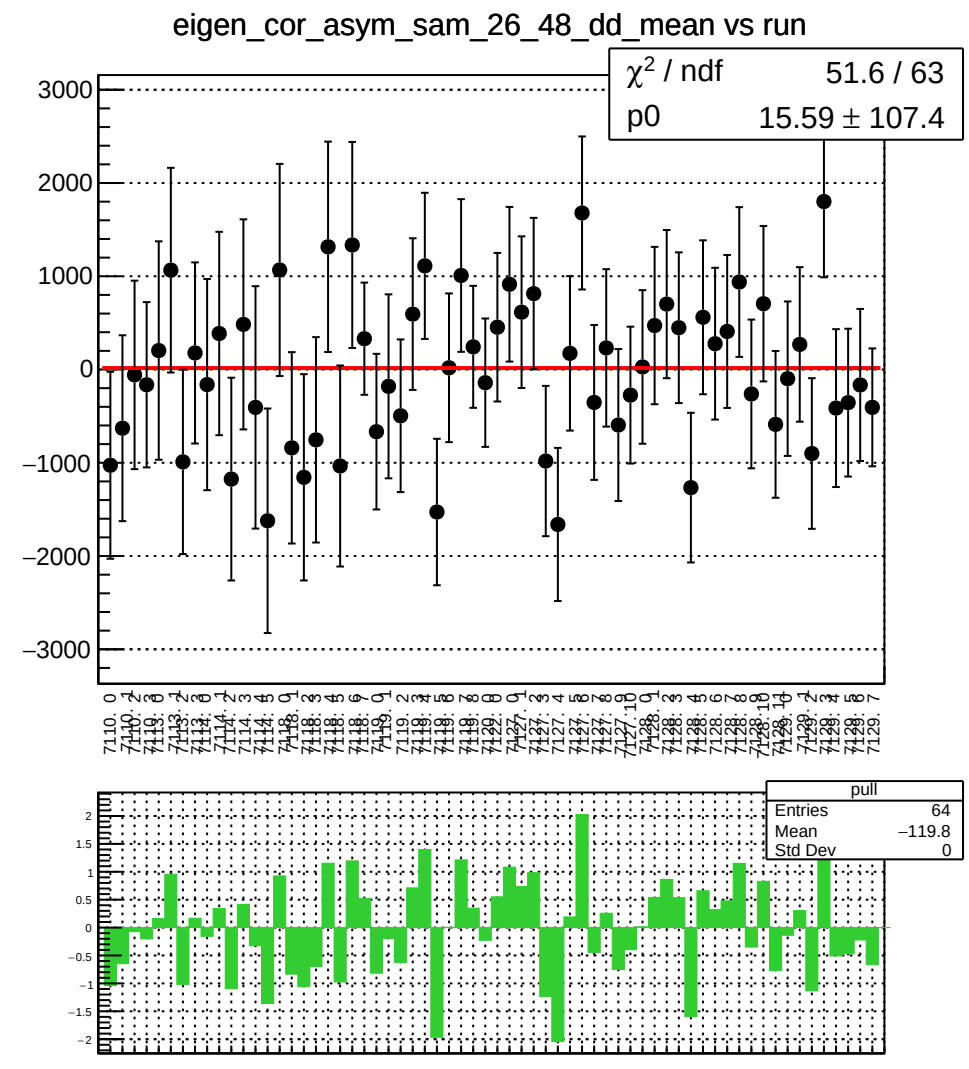

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 51.6 / 63
p0 15.59 ± 107.4
pull
Entries 64
Mean −119.8
Std Dev 0

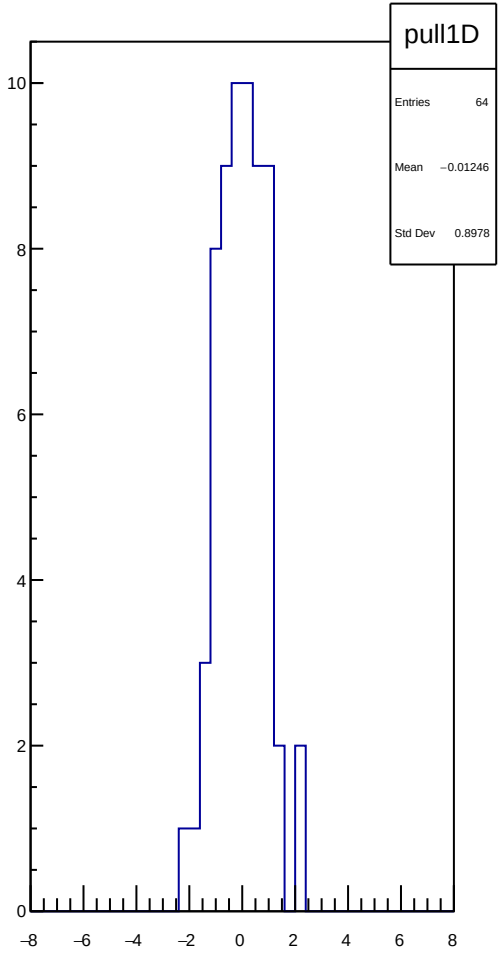

pull1D
Entries 64
Mean −0.01246
Std Dev 0.8978

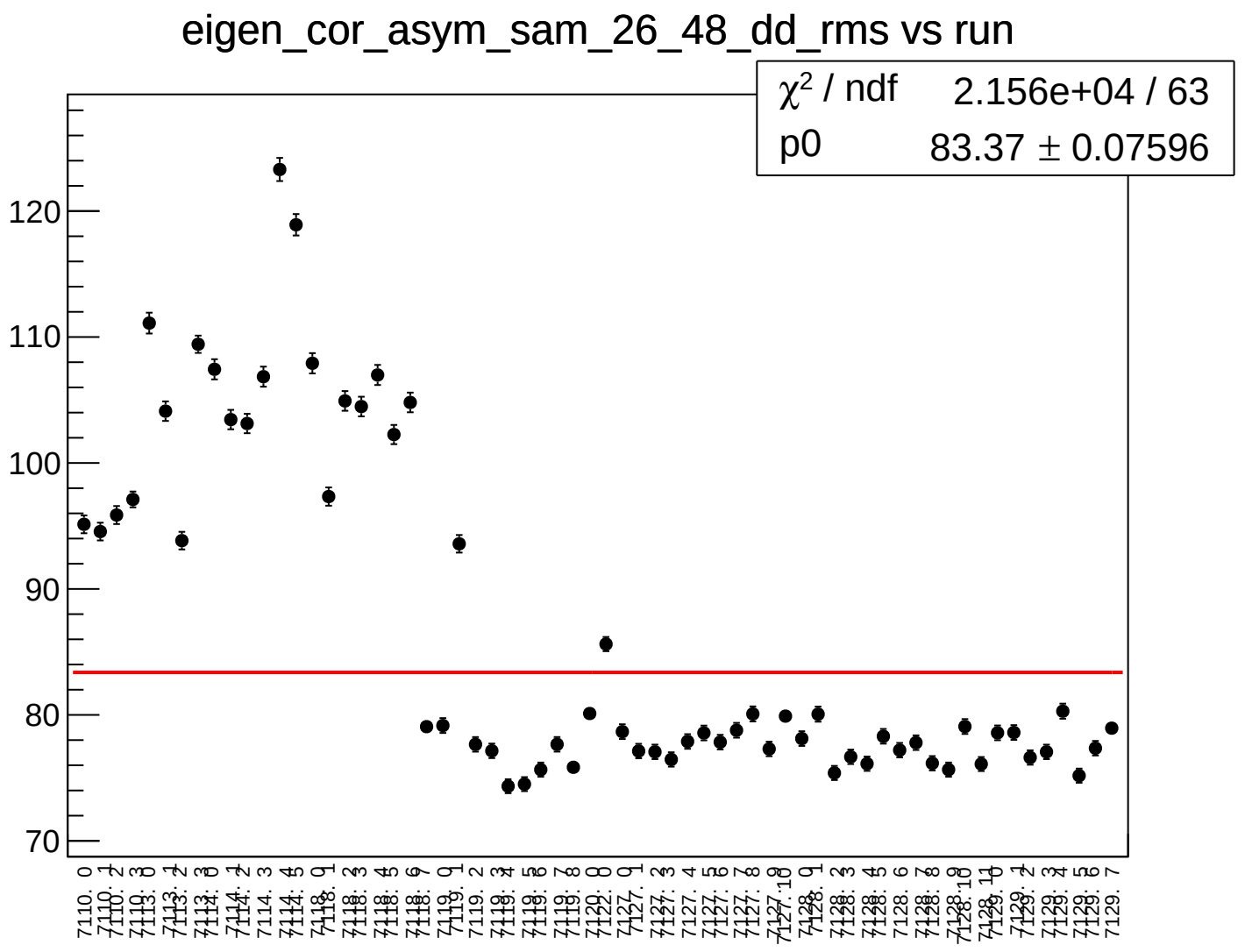

cor_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.156e+04 / 63
p0 83.37 ± 0.07596
120
110
100
90
80
70

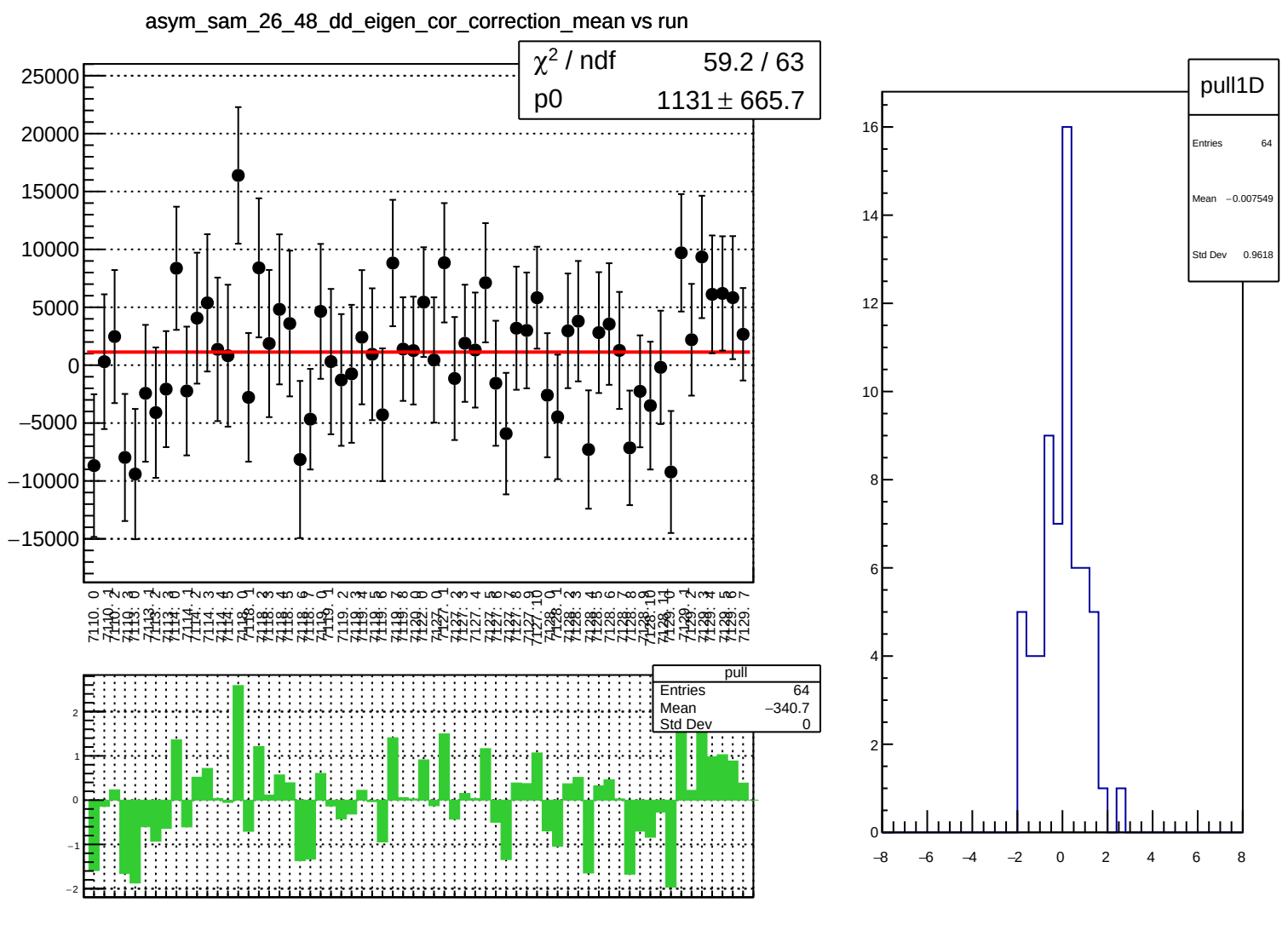

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 59.2 / 63
p0 1131 ± 665.7
pull
Entries 64
Mean −340.7
Std Dev 0
pull1D
Entries 64
Mean −0.007549
Std Dev 0.9618

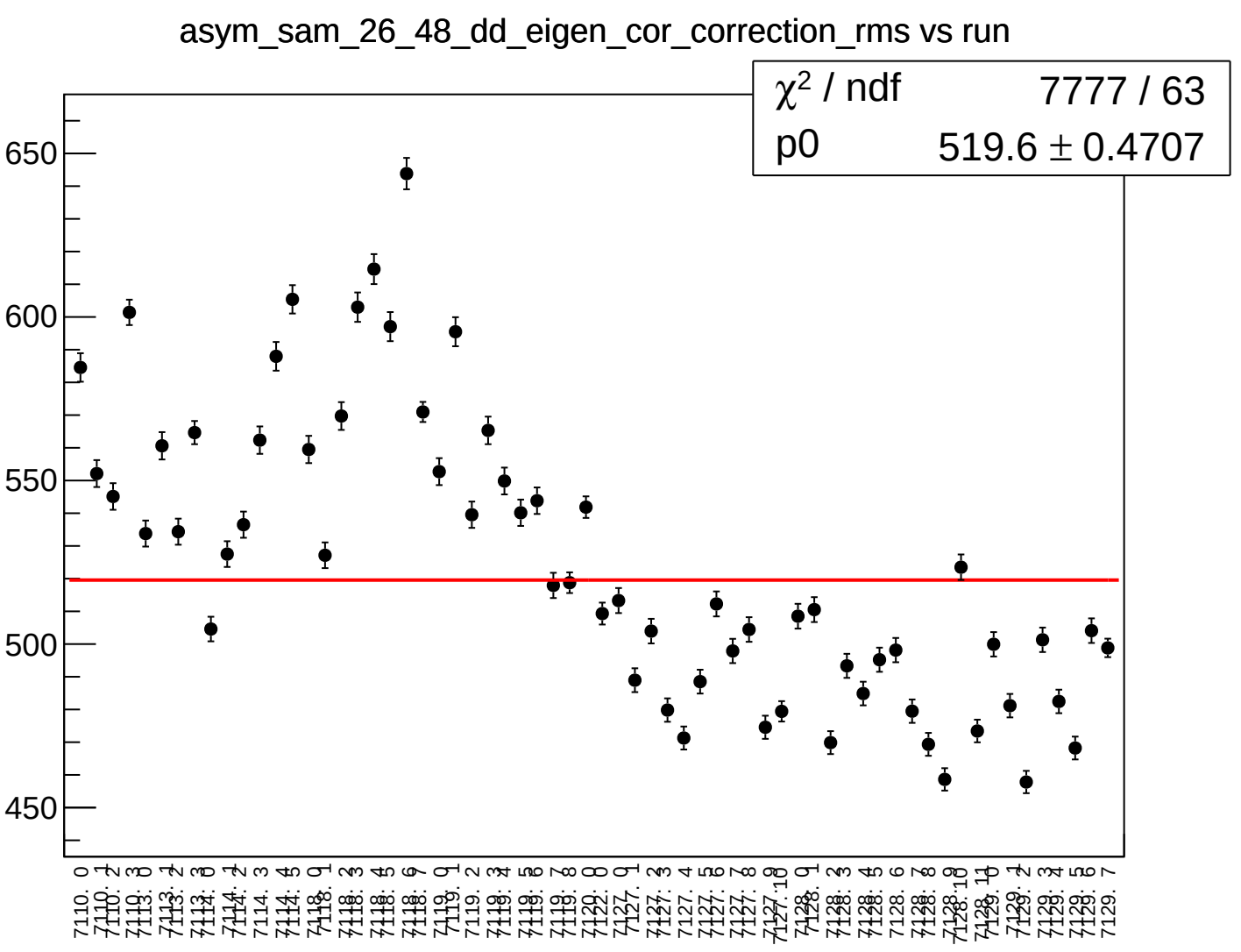

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 7777 / 63
p0 519.6 ± 0.4707
650
600
550
500
450

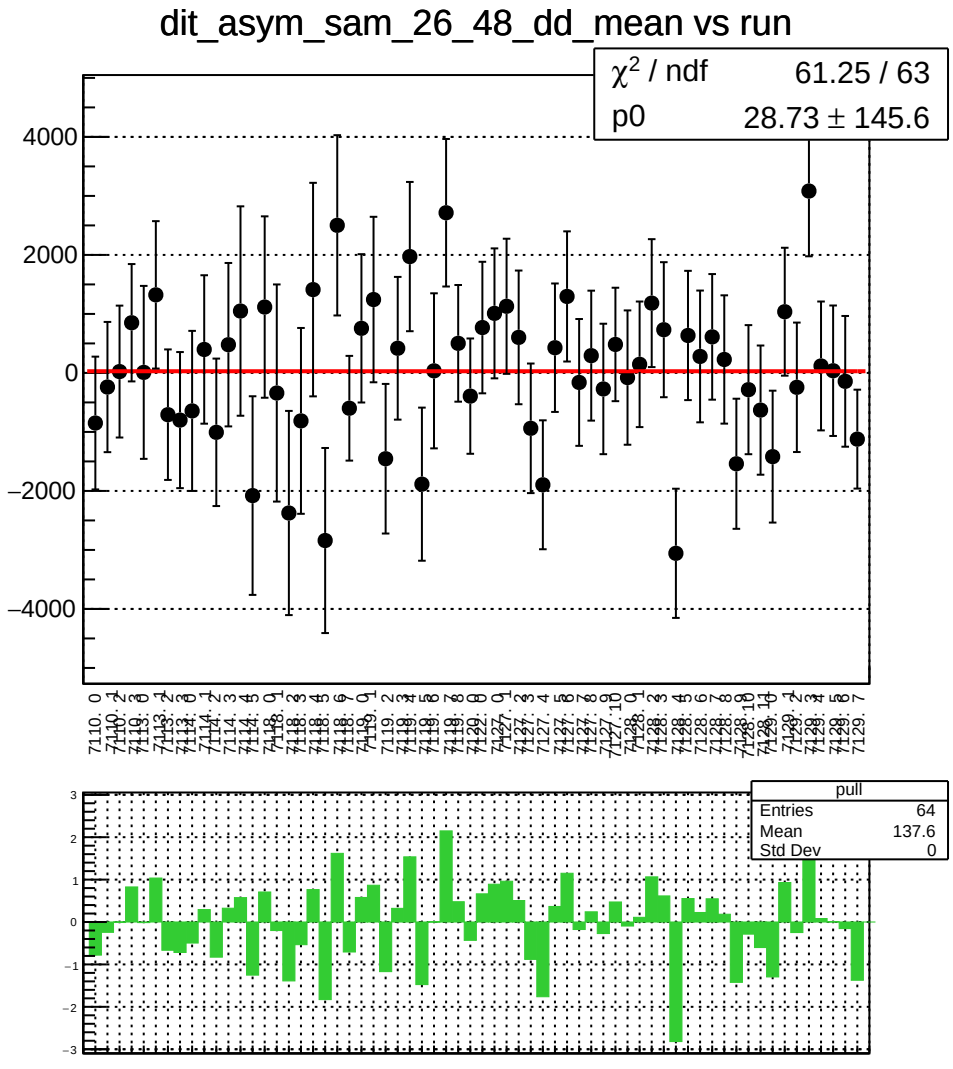

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 51.6 / 63
p0 15.59 ± 107.4
pull
Entries 64
Mean −119.8
Std Dev 0

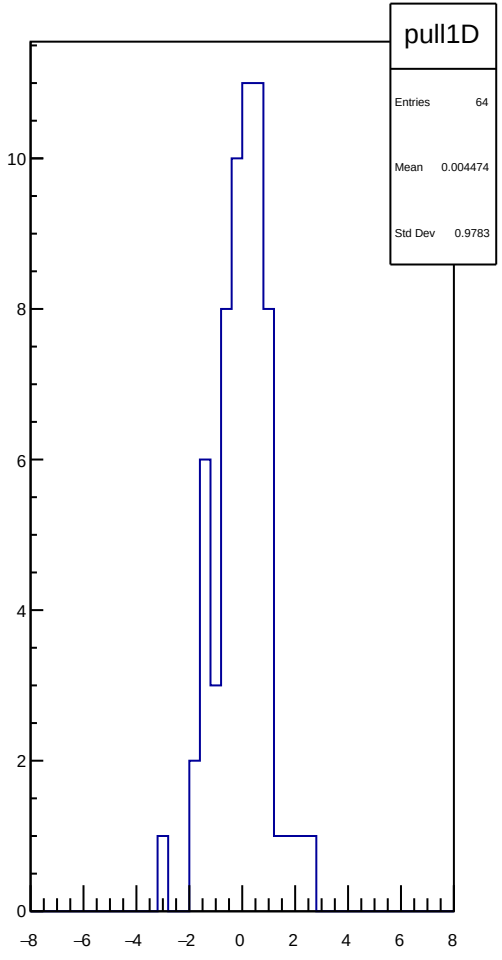

pull1D
Entries 64
Mean −0.01246
Std Dev 0.8978

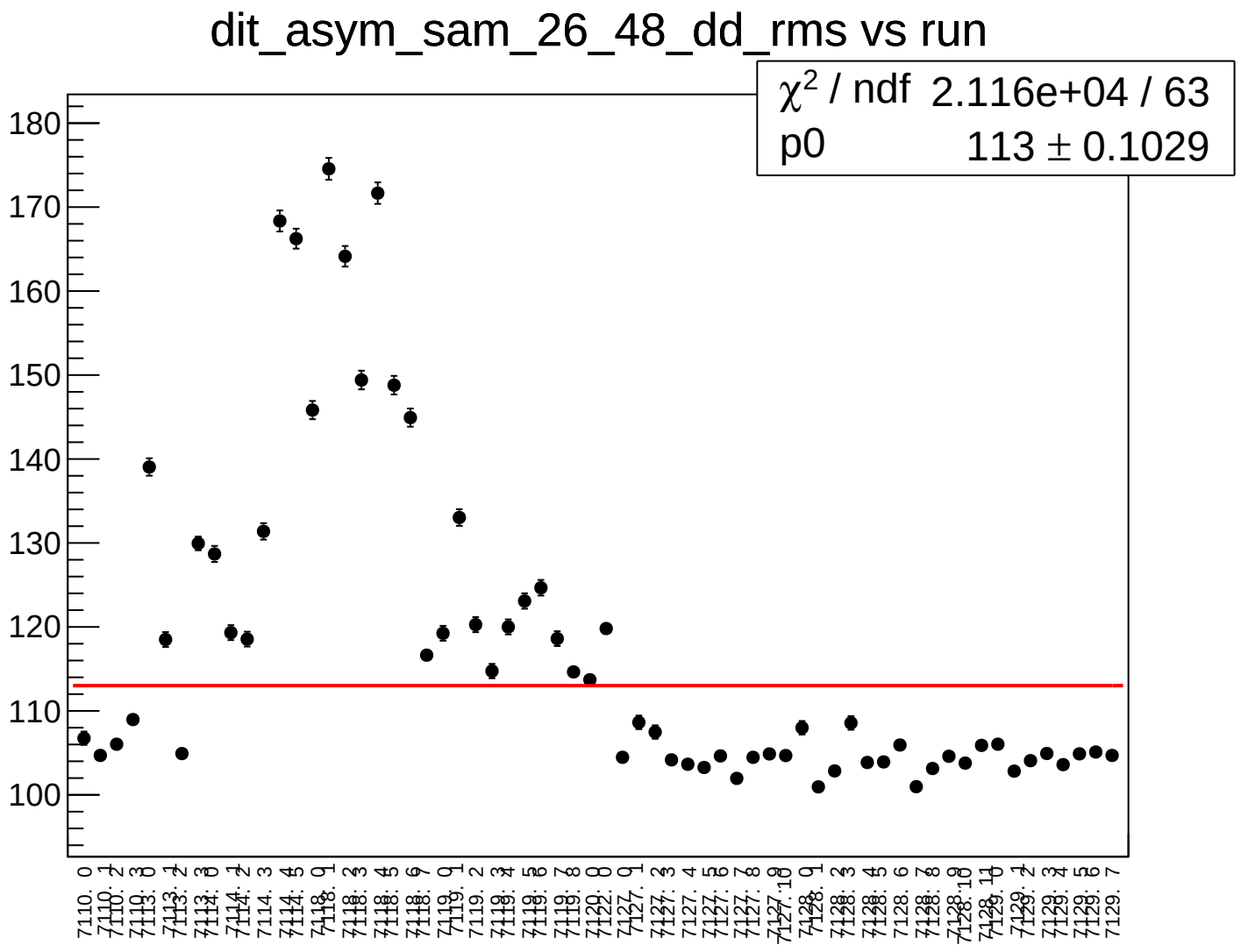

eigen_cor_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.156e+04 / 63
p0 83.37 ± 0.07596
120
110
100
90
80
70

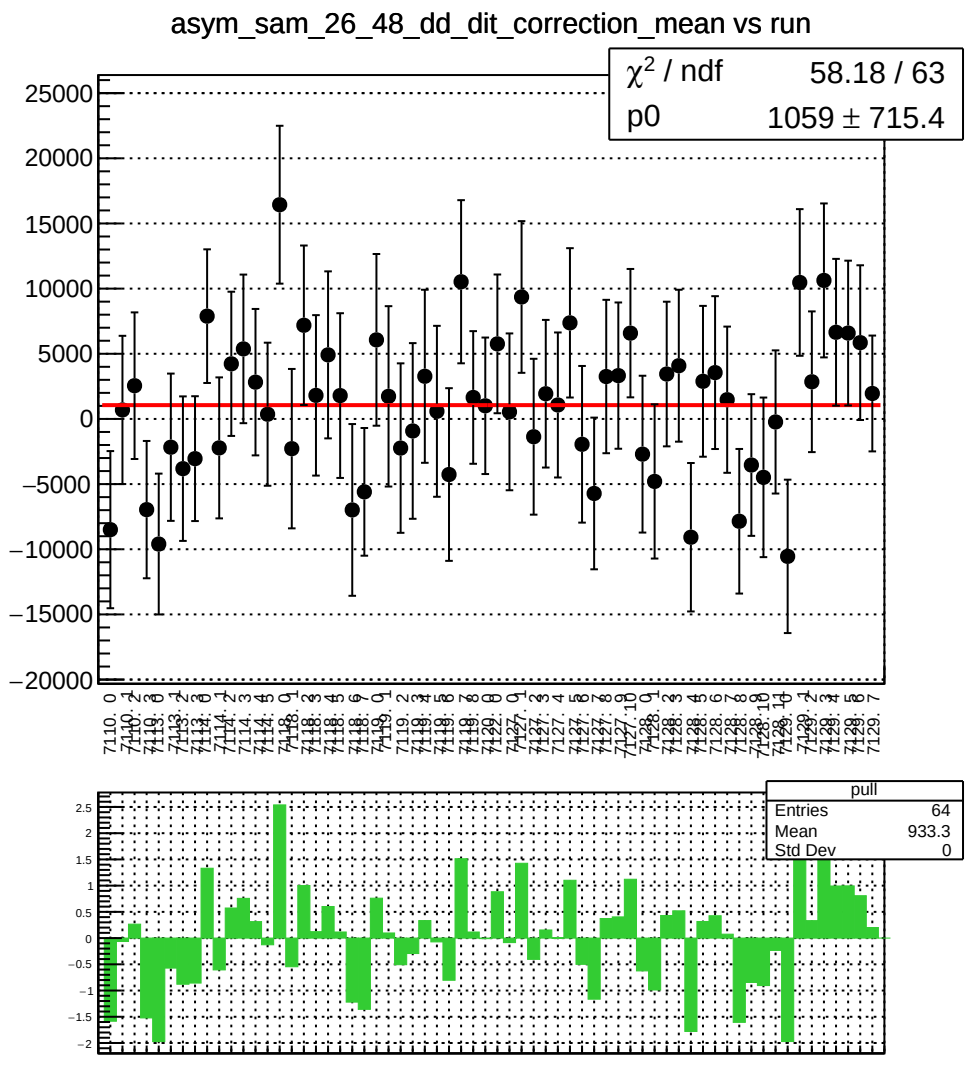

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.2 / 63
p0 1131 ± 665.7
pull
Entries 64
Mean −340.7
Std Dev 0
pull1D
Entries 64
Mean −0.007549
Std Dev 0.9618

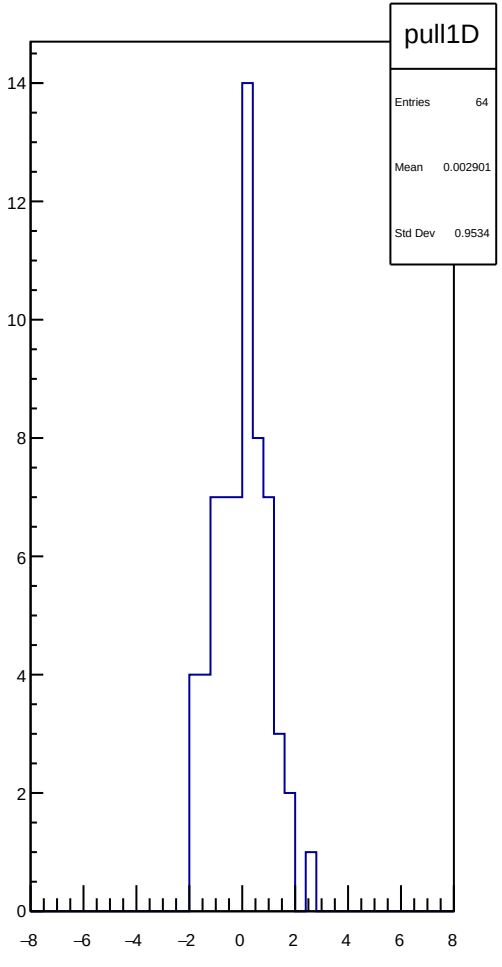

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 7777 / 63
p0 519.6 ± 0.4707
650
600
550
500
450

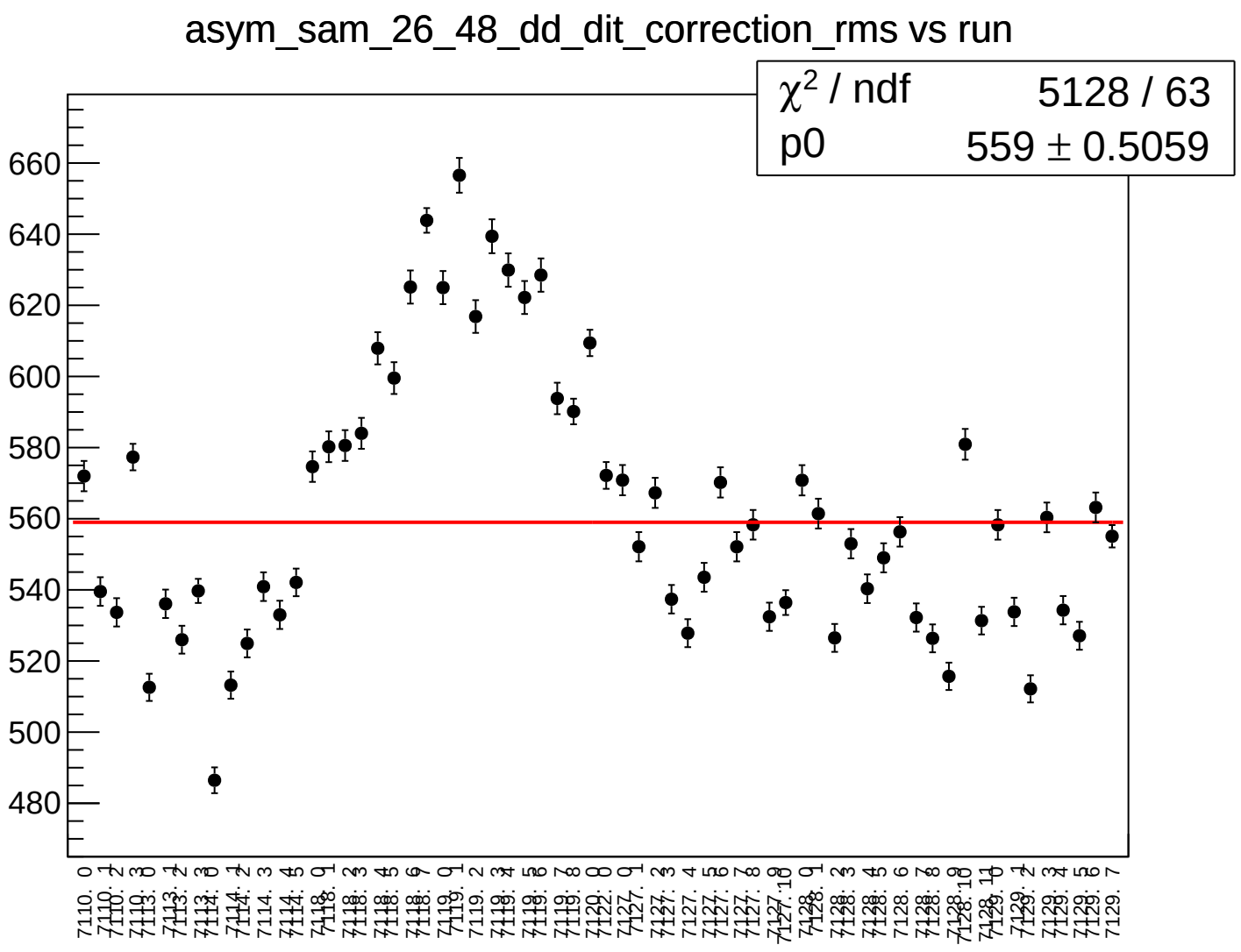

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 61.25 / 63
p0 28.73 ± 145.6
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 137.6
Std Dev 0
3
2
1
0
−1
−2
−3

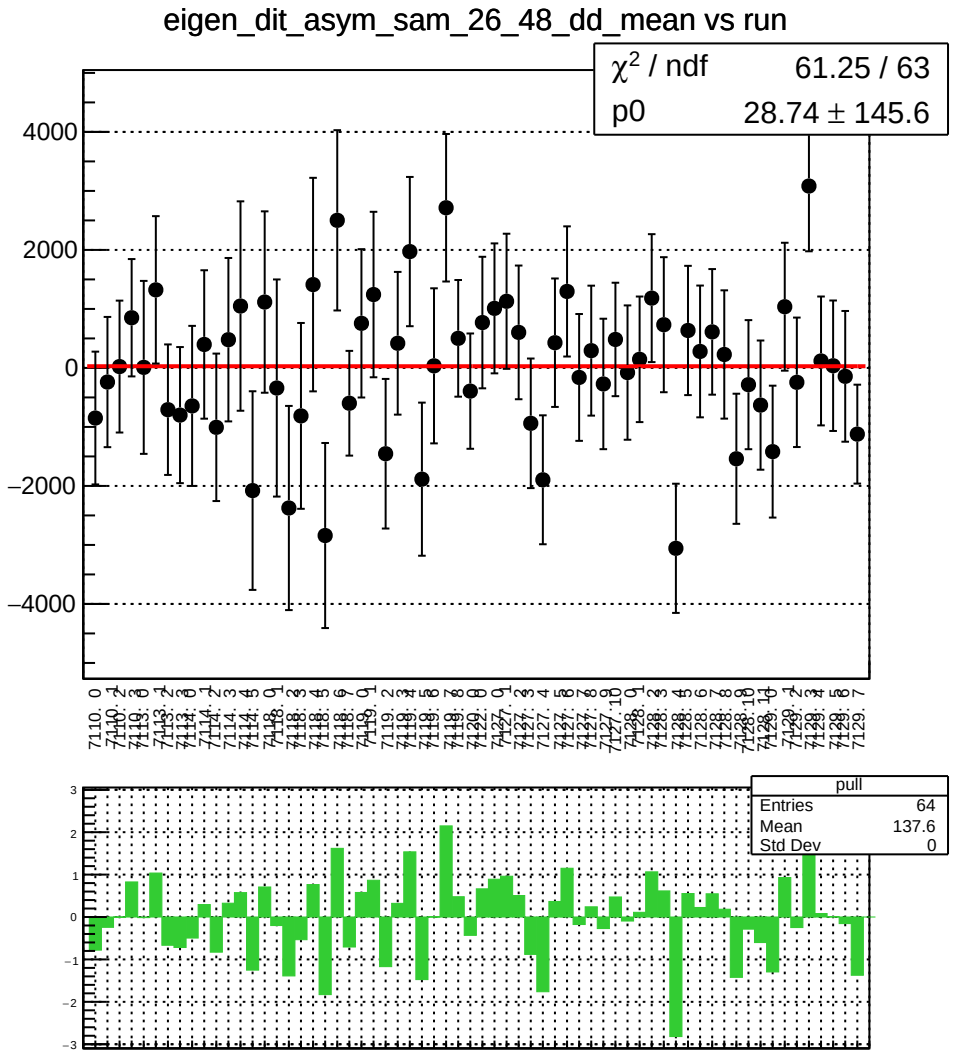

pull1D
Entries 64
Mean 0.004474
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

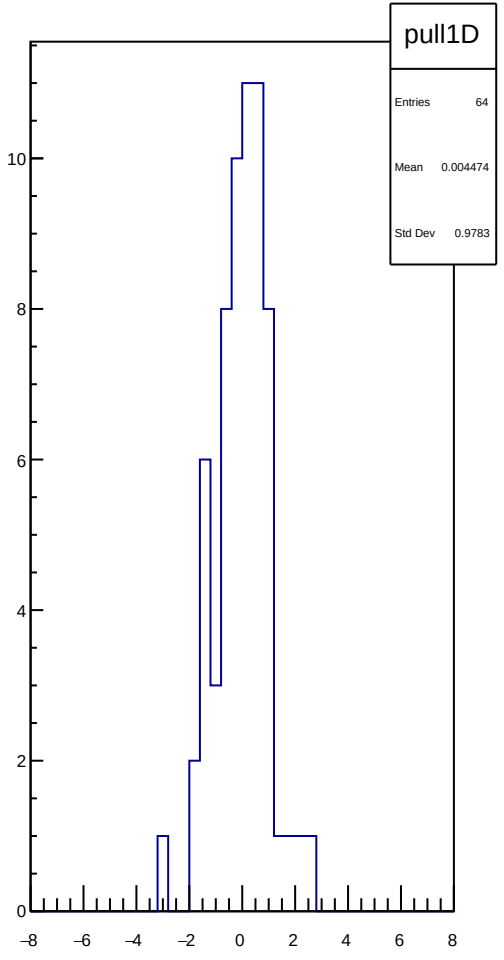

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.116e+04 / 63
p0 113 ± 0.1029
180
170
160
150
140
130
120
110
100

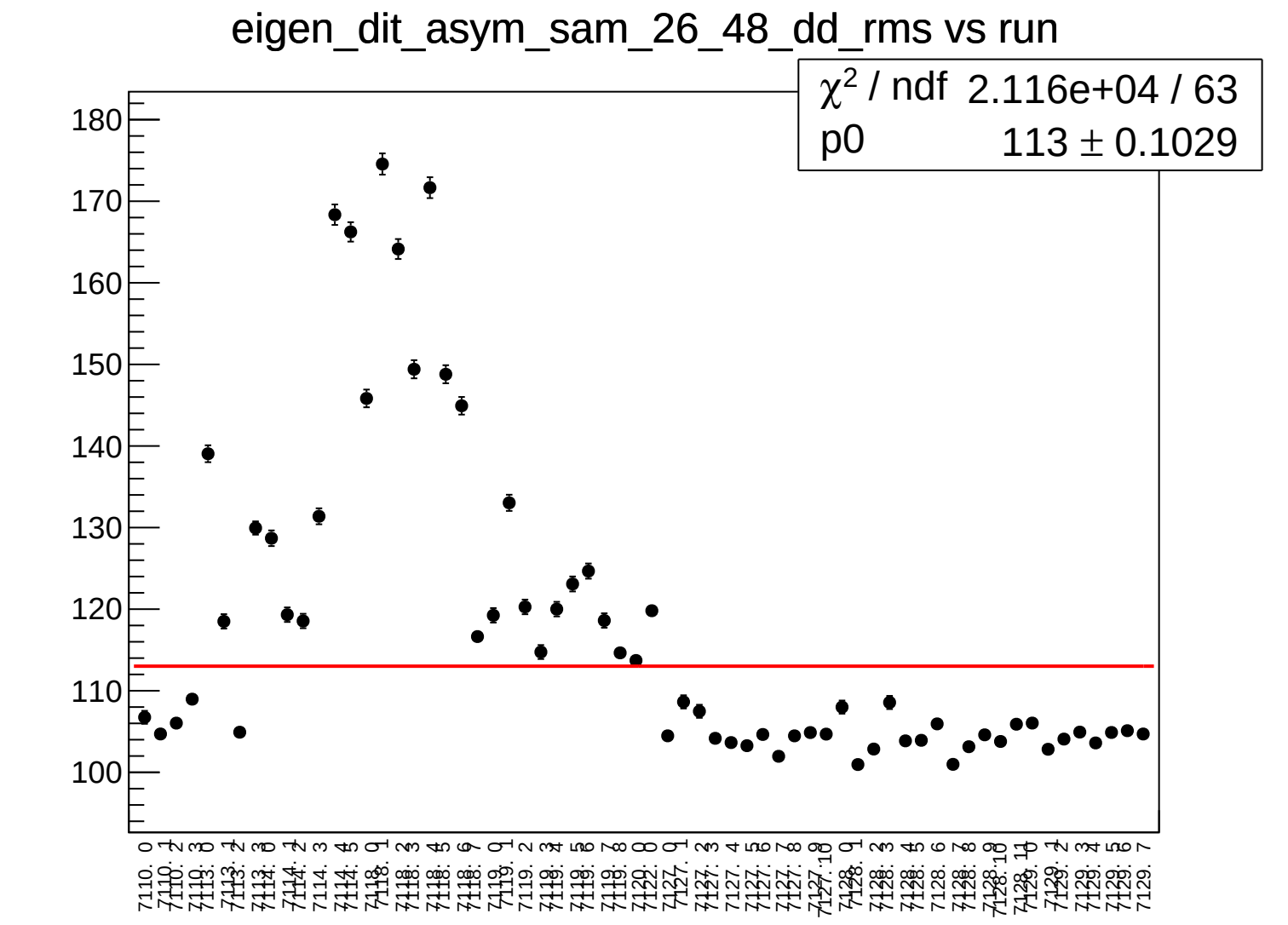

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 58.18 / 63
p0 1059 ± 715.4
pull
Entries 64
Mean 933.3
Std Dev 0

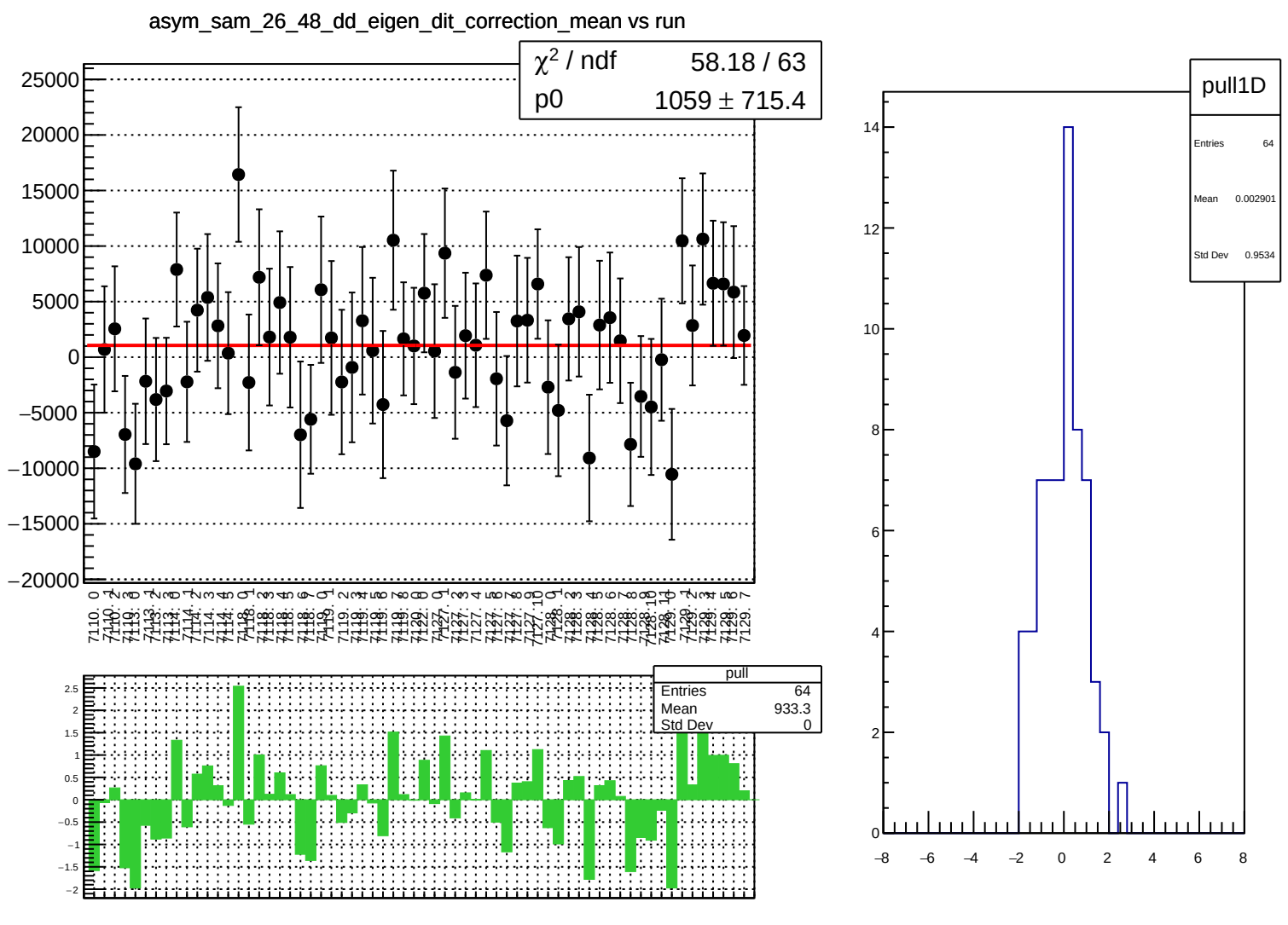

pull1D
Entries 64
Mean 0.002901
Std Dev 0.9534

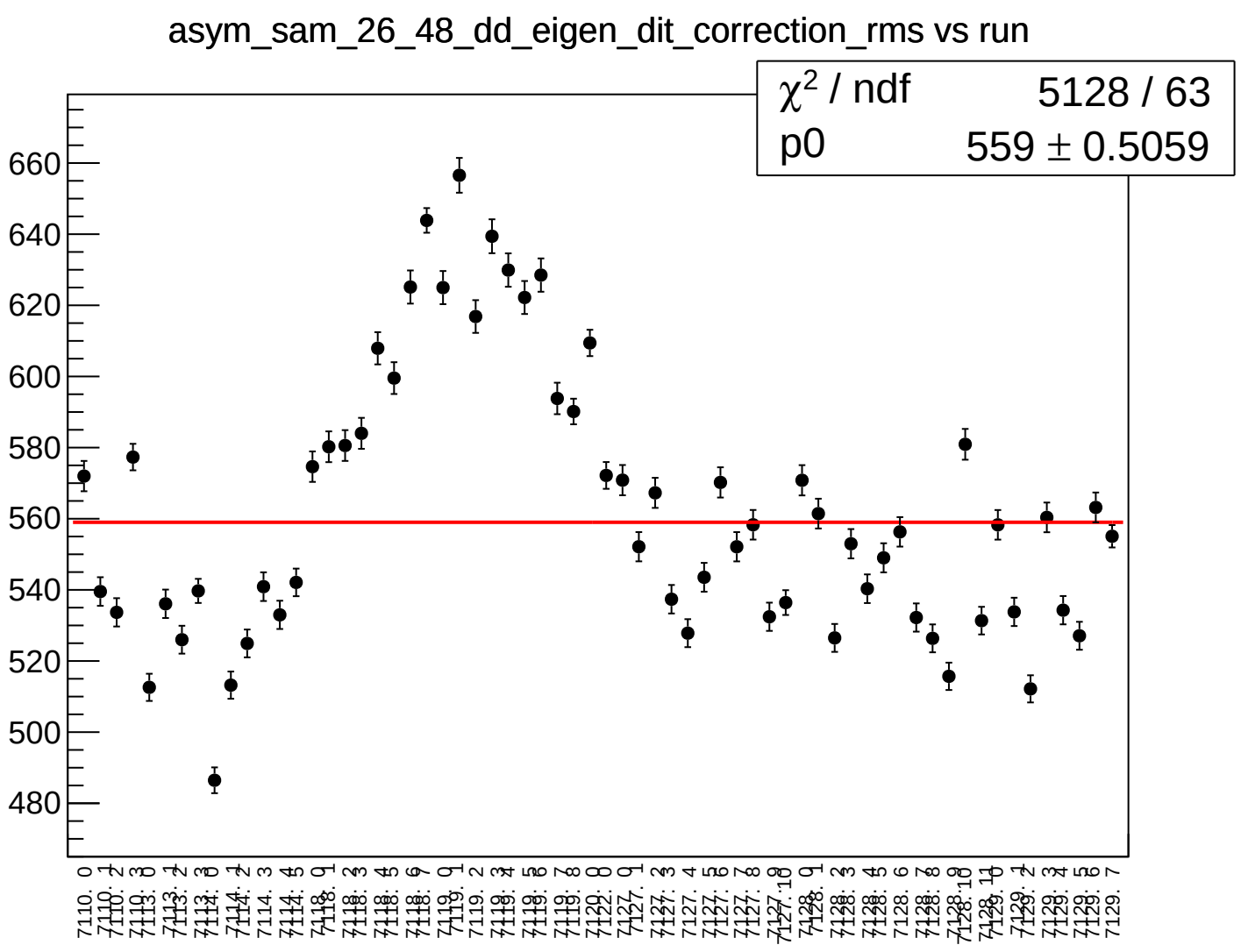

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 5128 / 63
p0 559 ± 0.5059
660
640
620
600
580
560
540
520
500
480

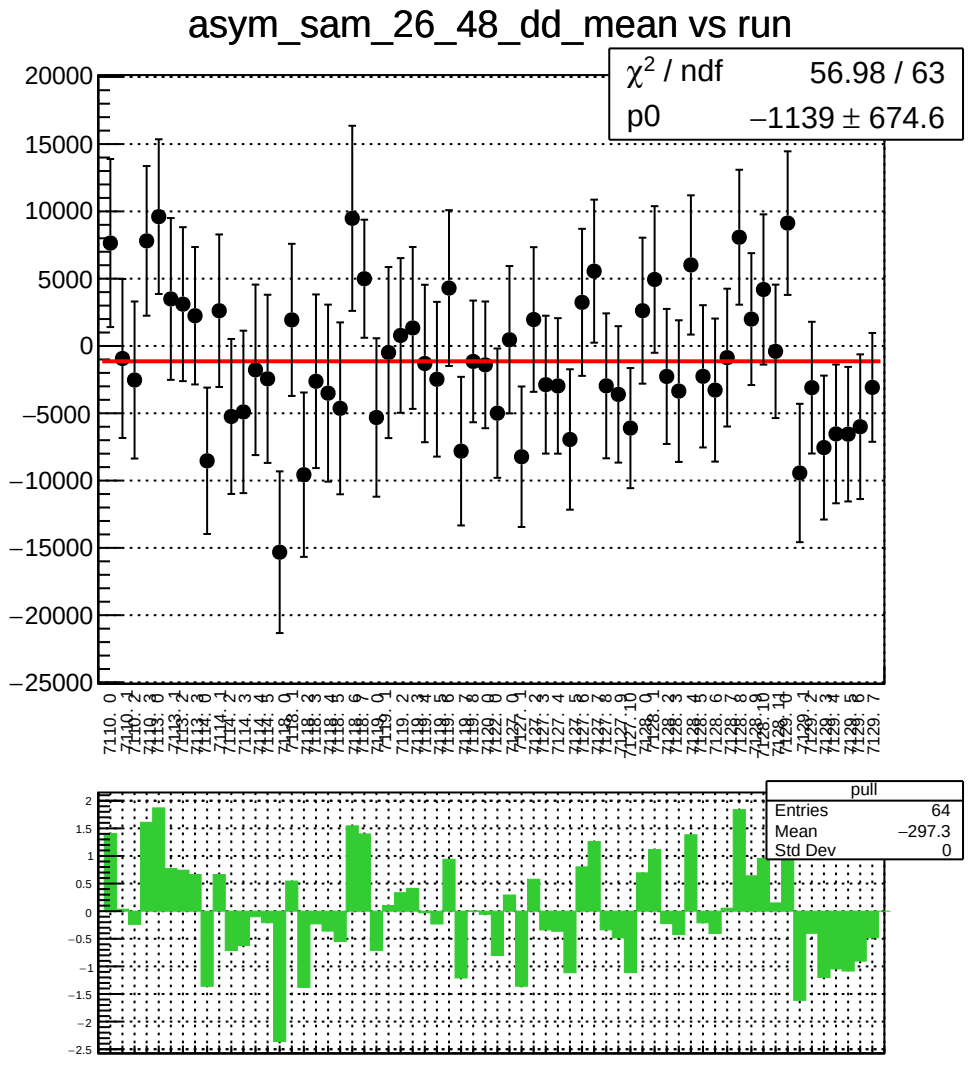

eigen_dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 61.25 / 63
p0 28.74 ± 145.6
4000
2000
0
−2000
−4000
pull
Entries 64
Mean 137.6
Std Dev 0
3
2
1
0
−1
−2
−3

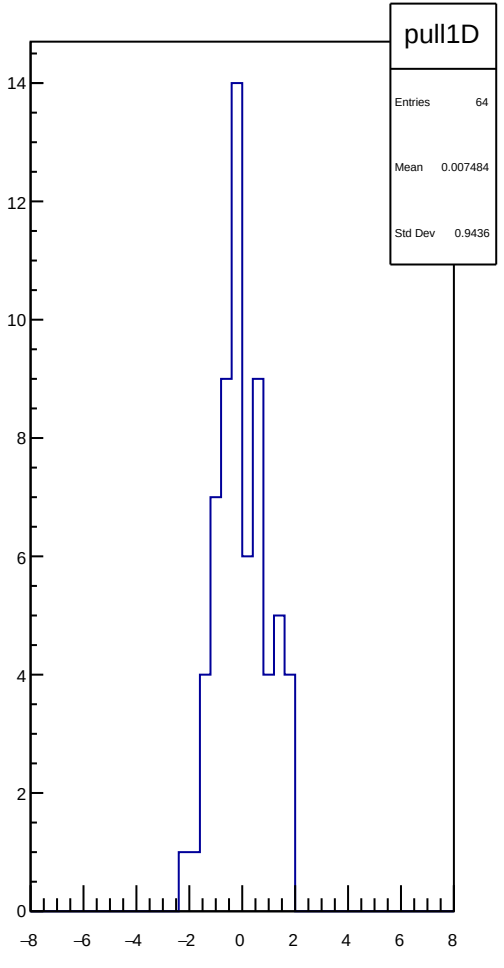

pull1D
Entries 64
Mean 0.004474
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

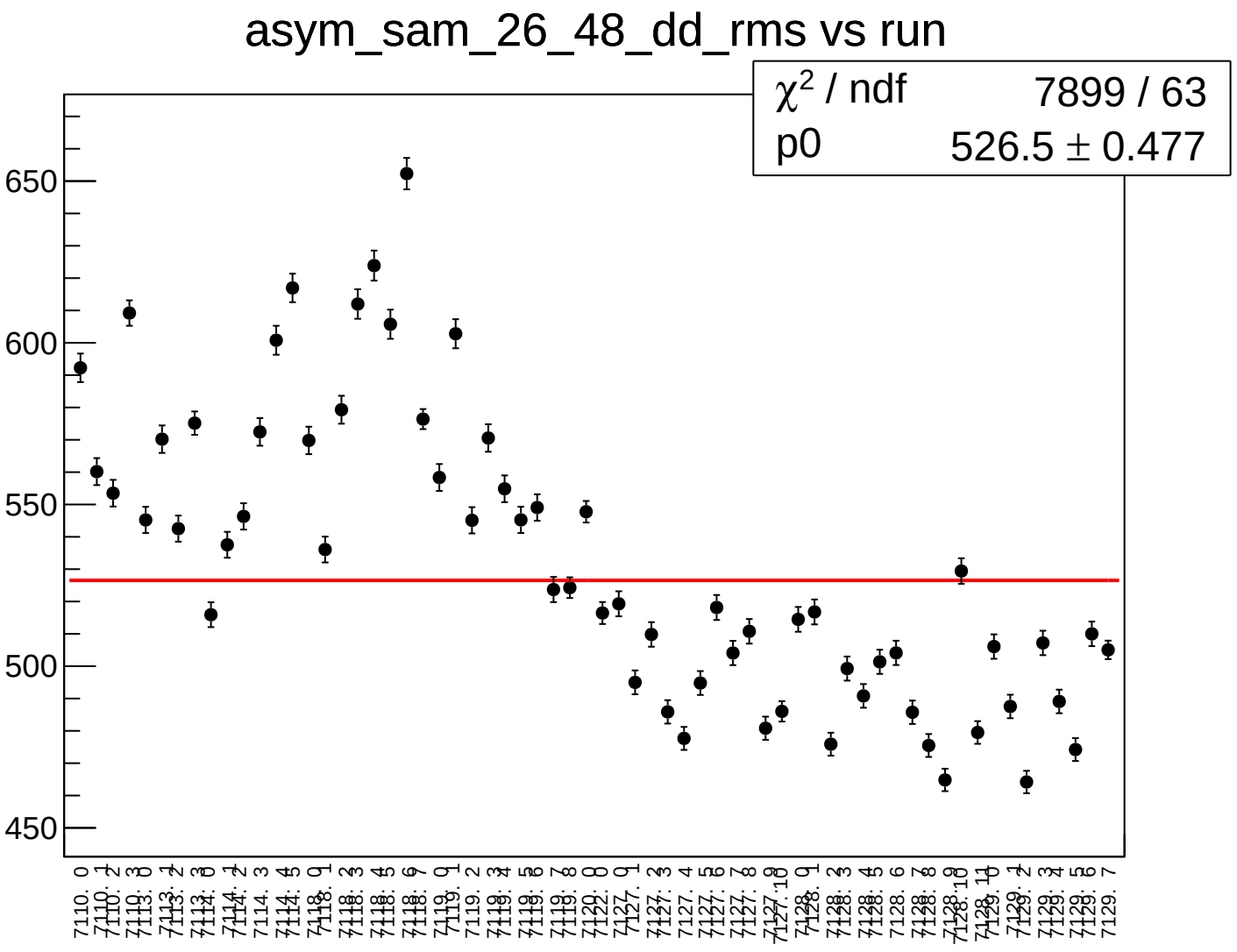

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.116e+04 / 63
p0 113 ± 0.1029
180
170
160
150
140
130
120
110
100

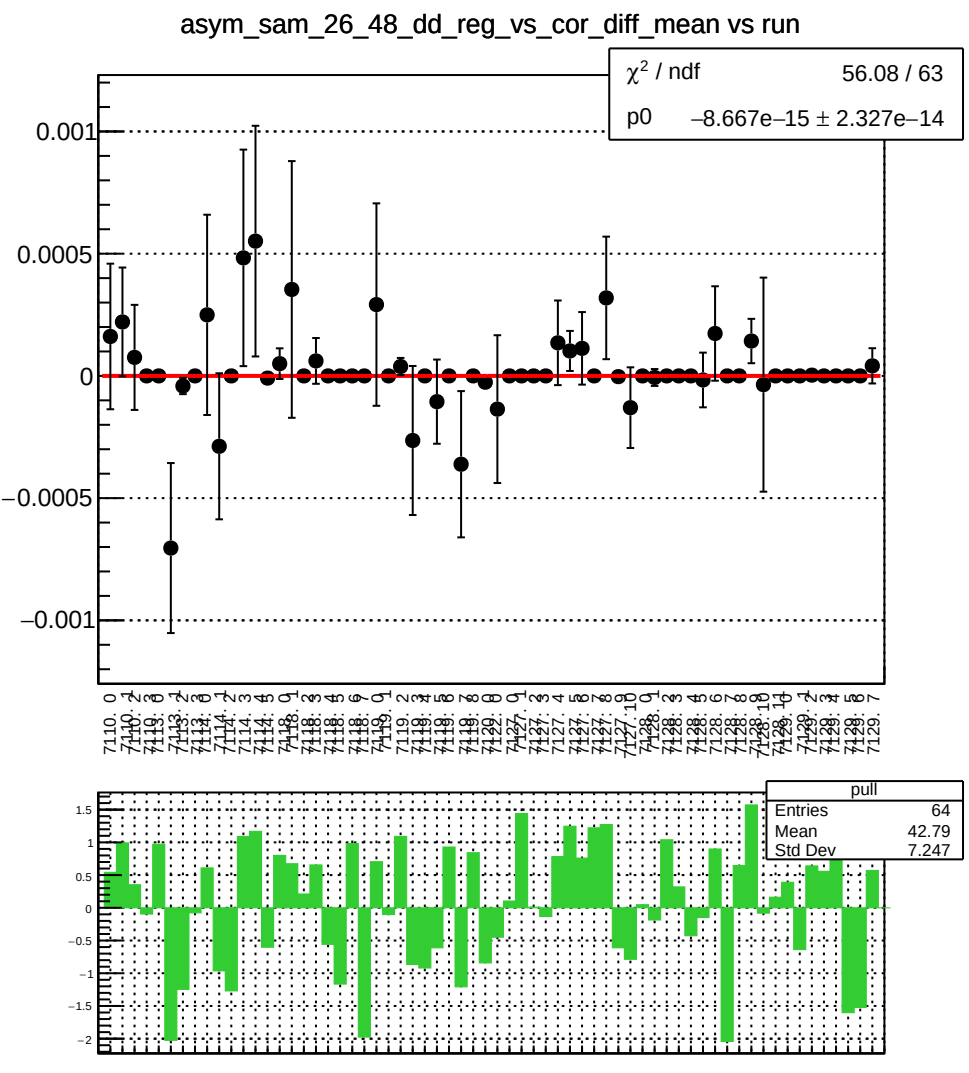

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.18 / 63
p0 1059 ± 715.4
pull
Entries 64
Mean 933.3
Std Dev 0
pull1D
Entries 64
Mean 0.002901
Std Dev 0.9534

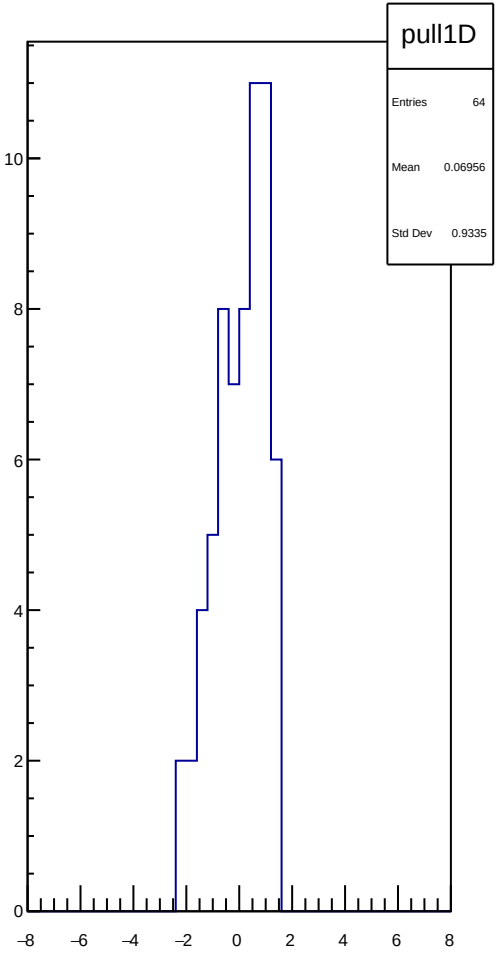

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 5128 / 63
p0 559 ± 0.5059
660
640
620
600
580
560
540
520
500
480

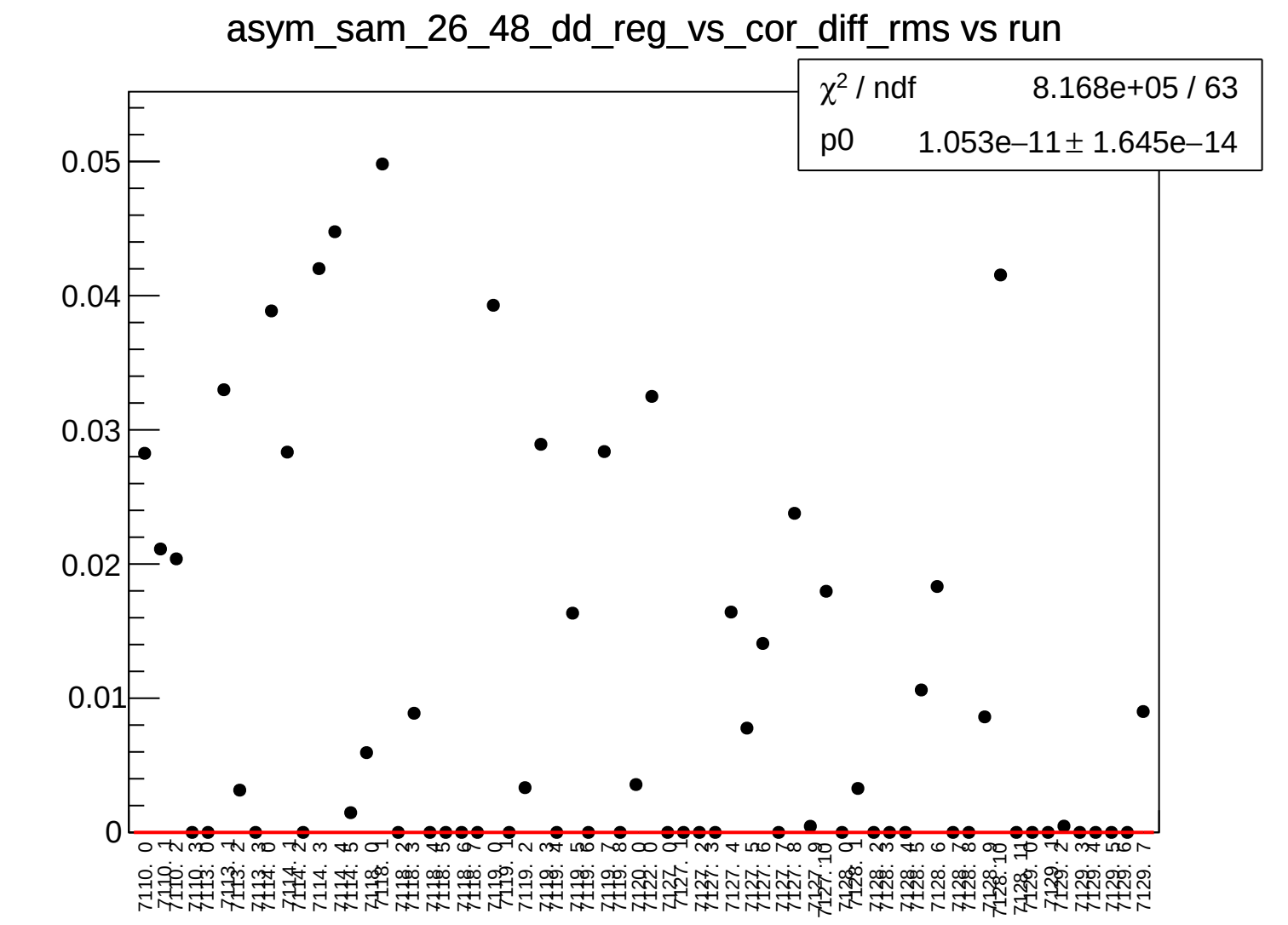

asym_sam_26_48_dd_mean vs run
χ² / ndf 56.98 / 63
p0 −1139 ± 674.6
pull
Entries 64
Mean −297.3
Std Dev 0


pull1D
Entries 64
Mean 0.007484
Std Dev 0.9436

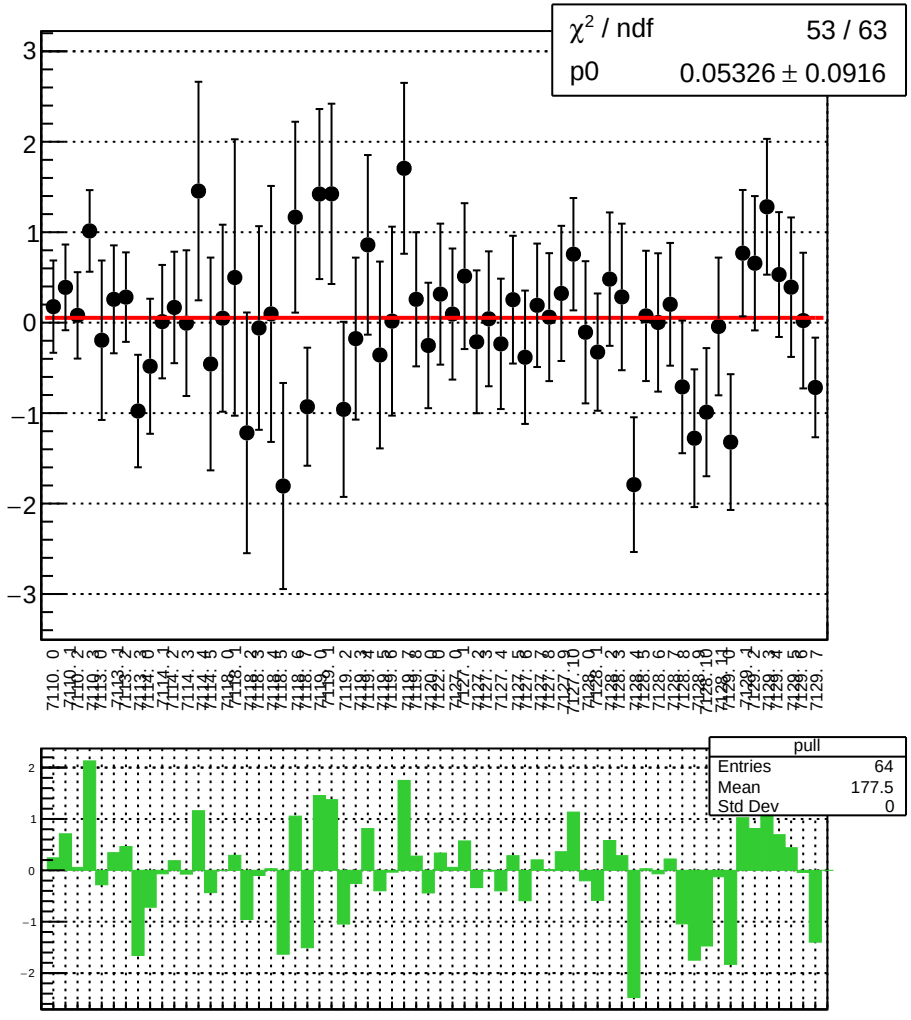

asym_sam_26_48_dd_rms vs run
χ² / ndf 7899 / 63
p0 526.5 ± 0.477
650
600
550
500
450

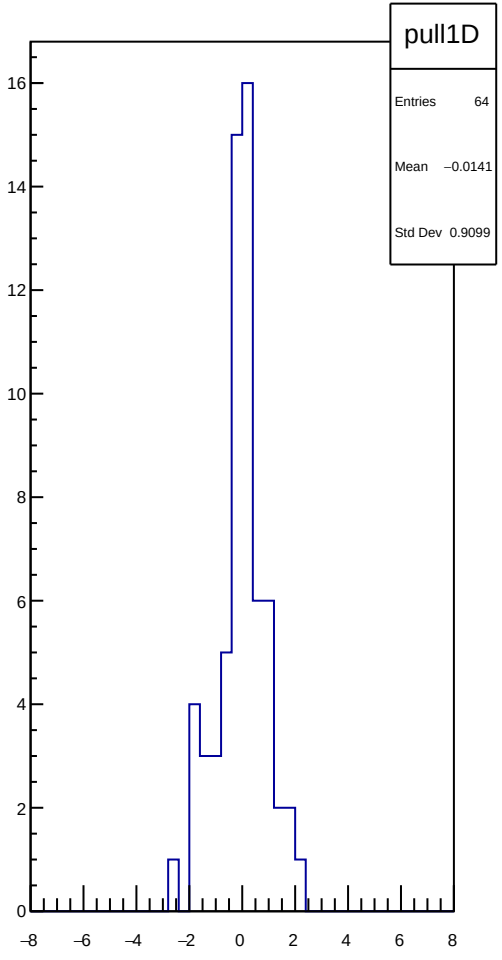

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.08 / 63
p0 −8.667e−15 ± 2.327e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 42.79
Std Dev 7.247
1.5
1
0.5
0
−0.5
−1
−1.5
−2

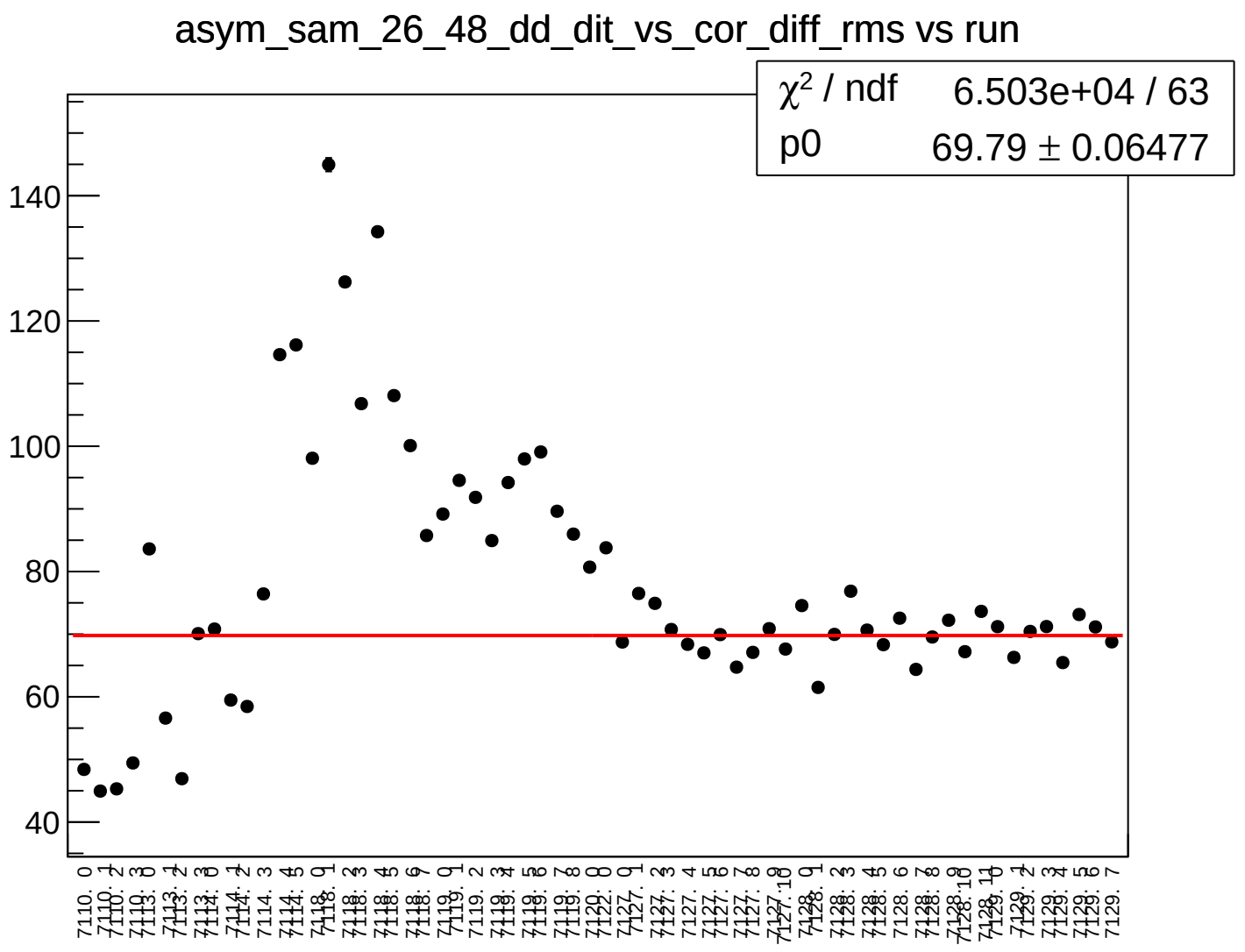

pull1D
Entries 64
Mean 0.06956
Std Dev 0.9335
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

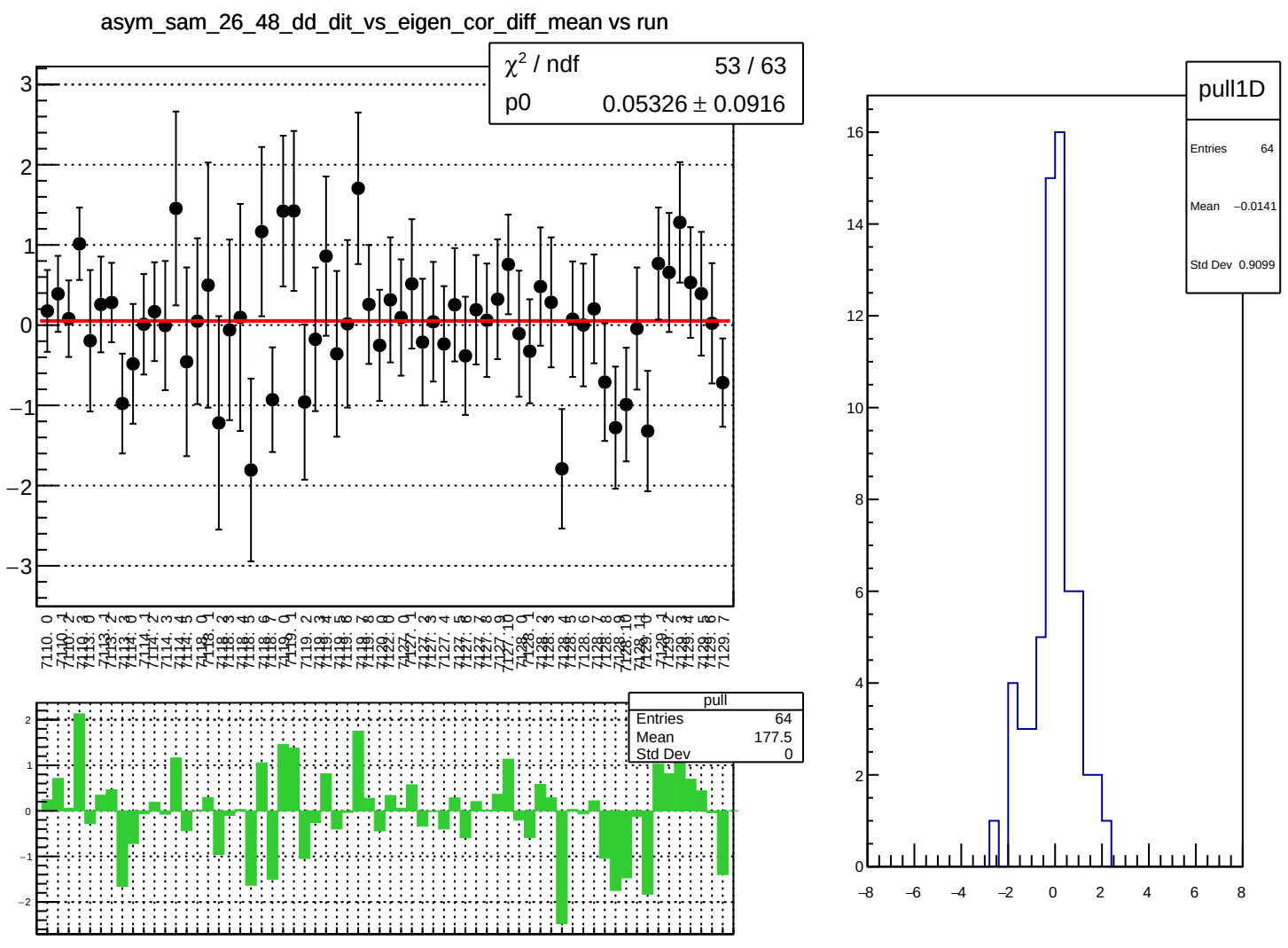

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.168e+05 / 63
p0 1.053e−11 ± 1.645e−14
0.05
0.04
0.03
0.02
0.01
0

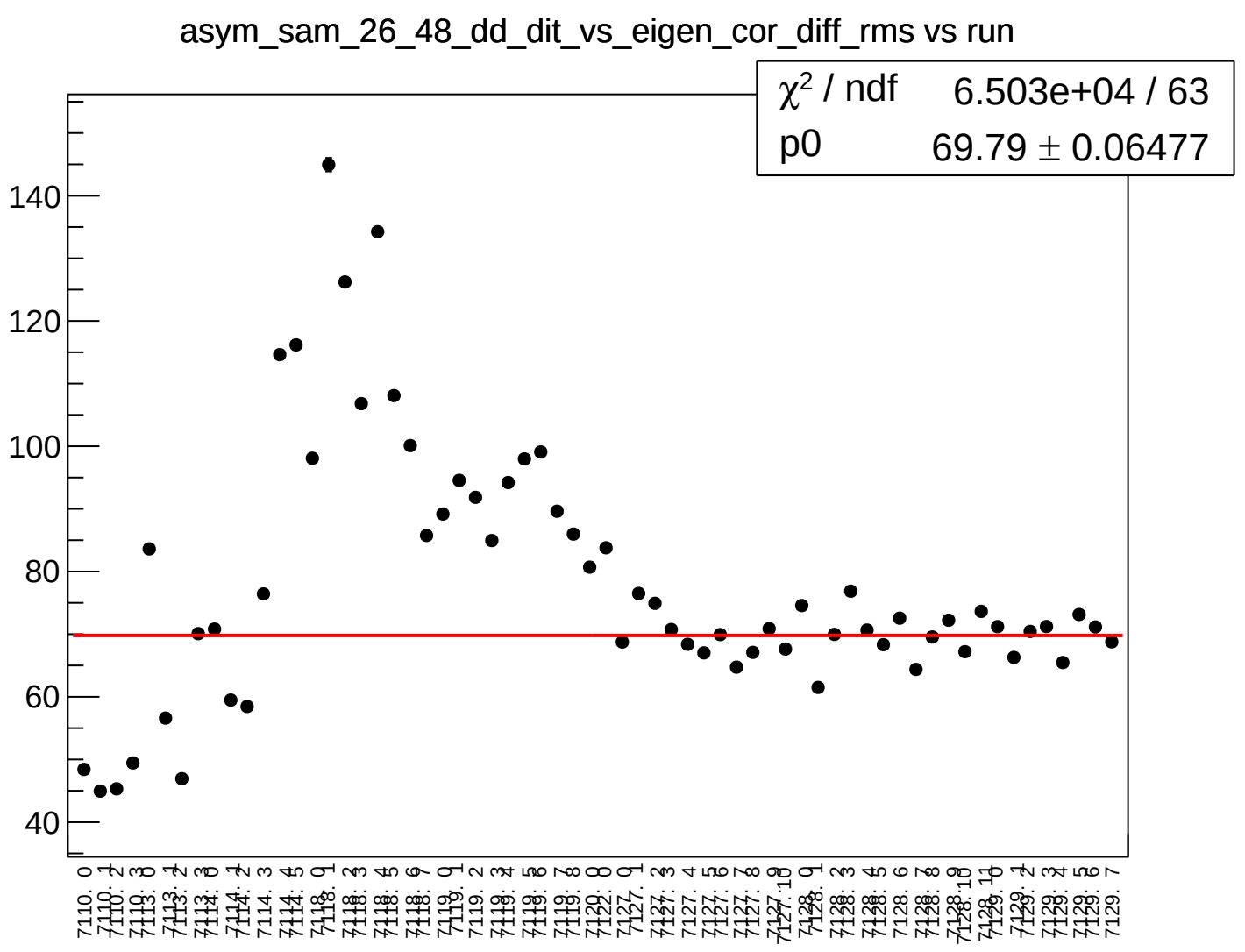
asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run

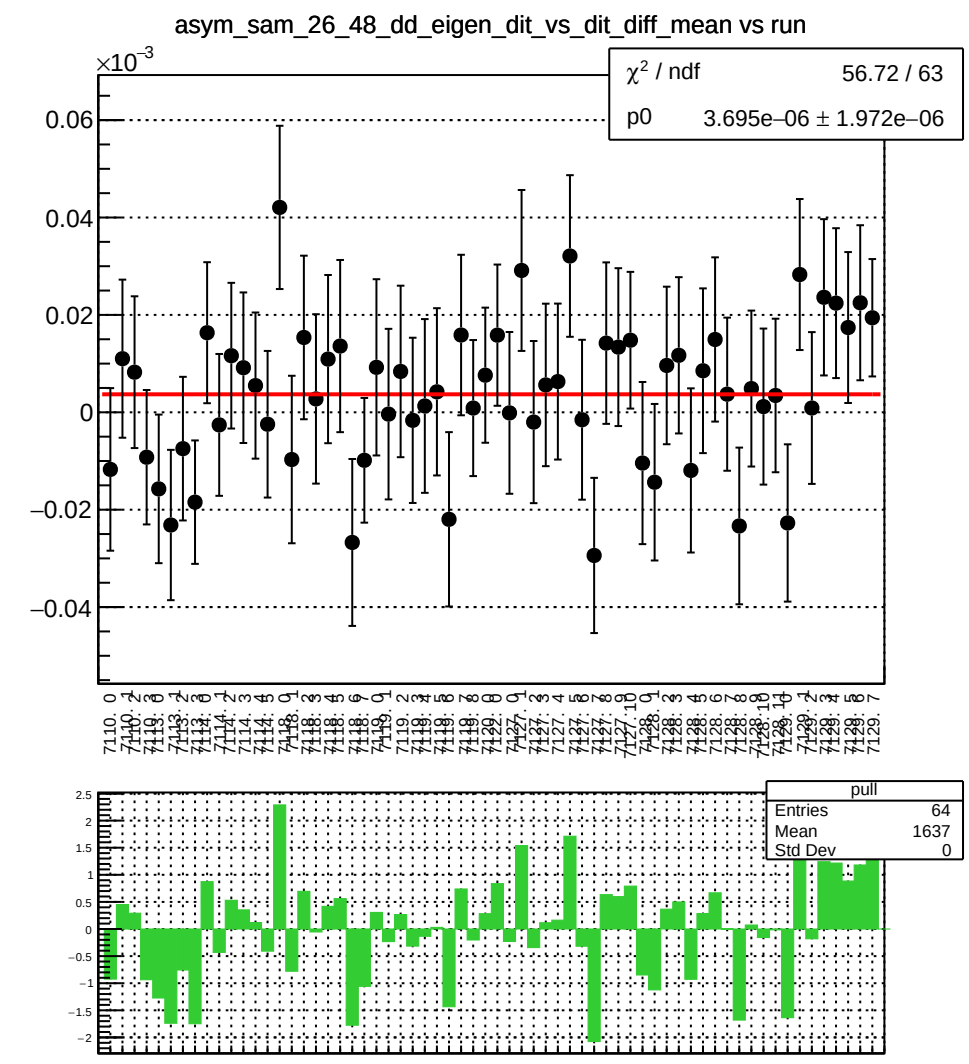


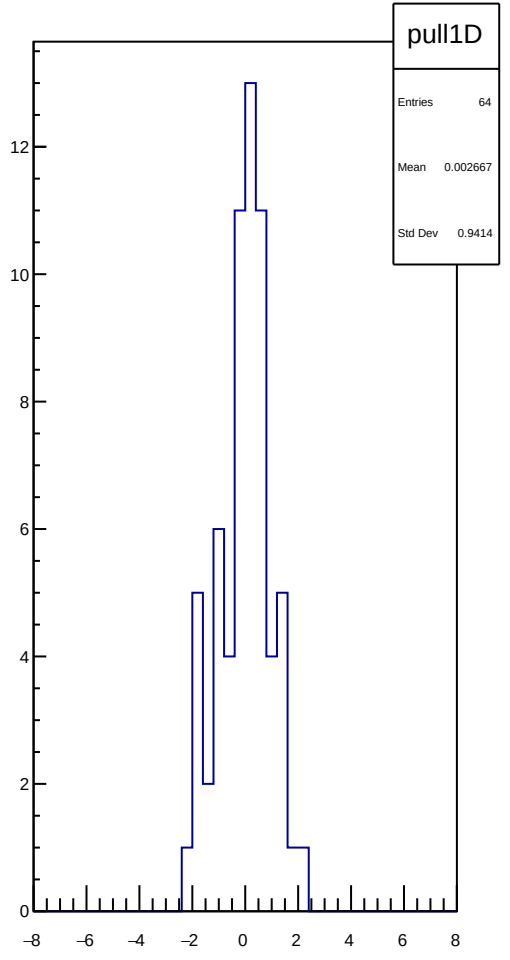


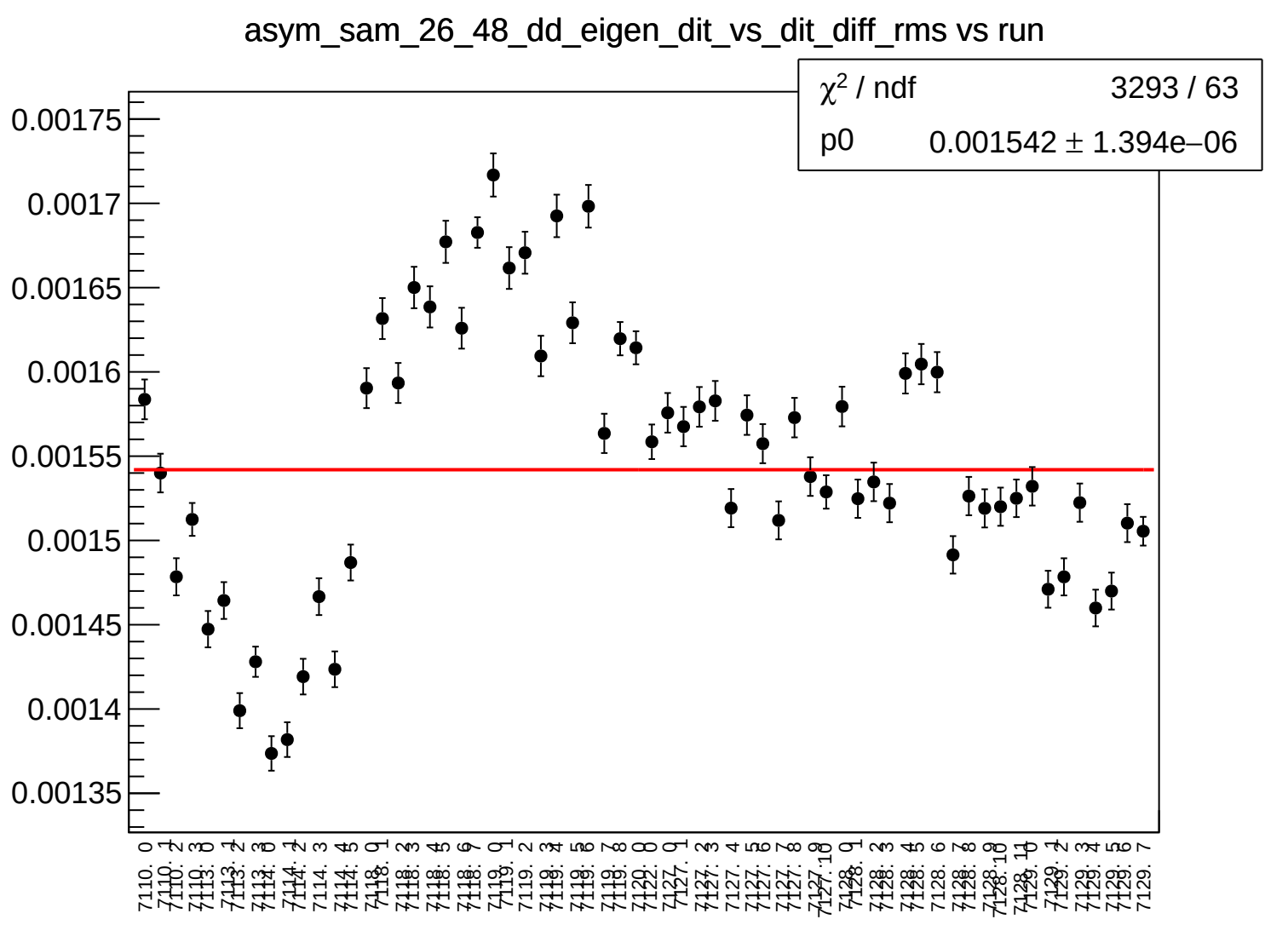

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 63
p0 69.79 ± 0.06477
140
120
100
80
60
40


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53 / 63
p0 0.05326 ± 0.0916
pull
Entries 64
Mean 177.5
Std Dev 0
pull1D
Entries 64
Mean −0.0141
Std Dev 0.9099

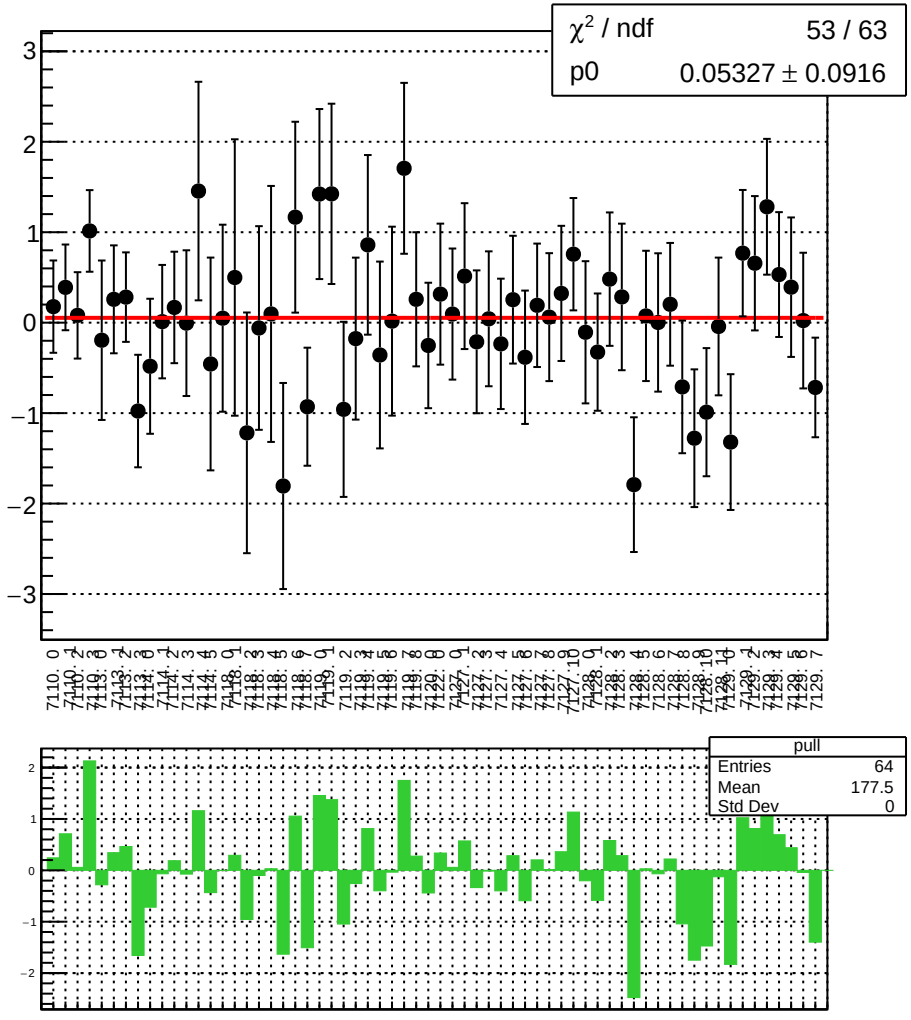

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 63
p0 69.79 ± 0.06477
140
120
100
80
60
40

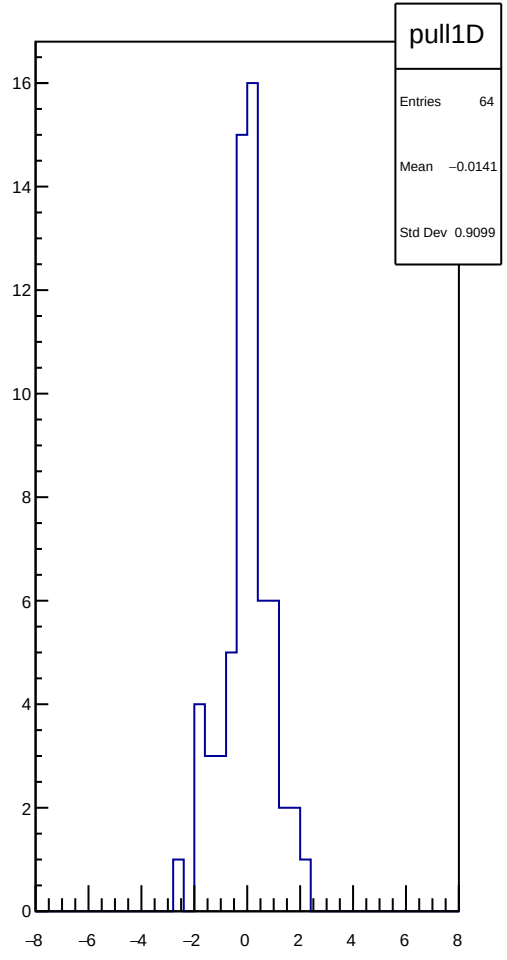

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.72 / 63
p0 3.695e−06 ± 1.972e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 64
Mean 1637
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

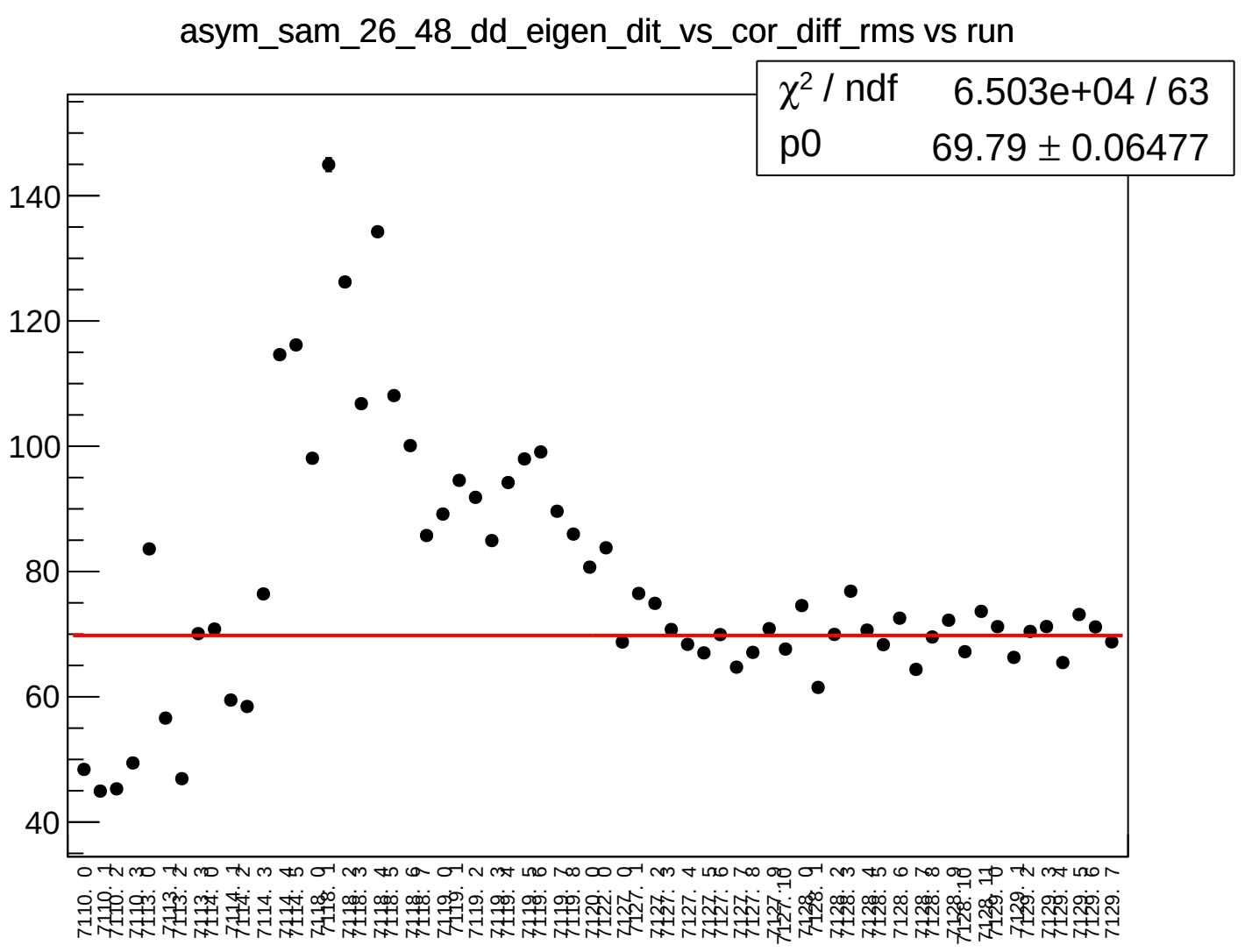

pull1D
Entries 64
Mean 0.002667
Std Dev 0.9414
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3293 / 63
p0 0.001542 ± 1.394e−06
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135

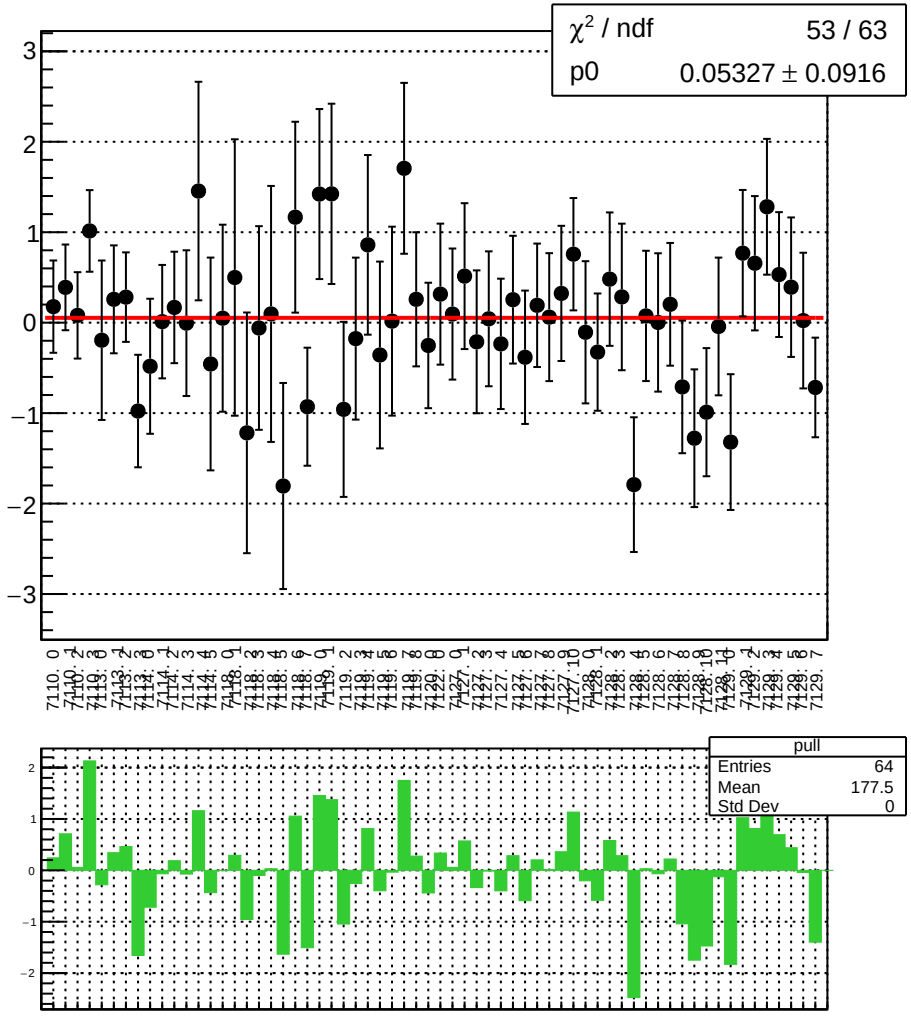
asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run

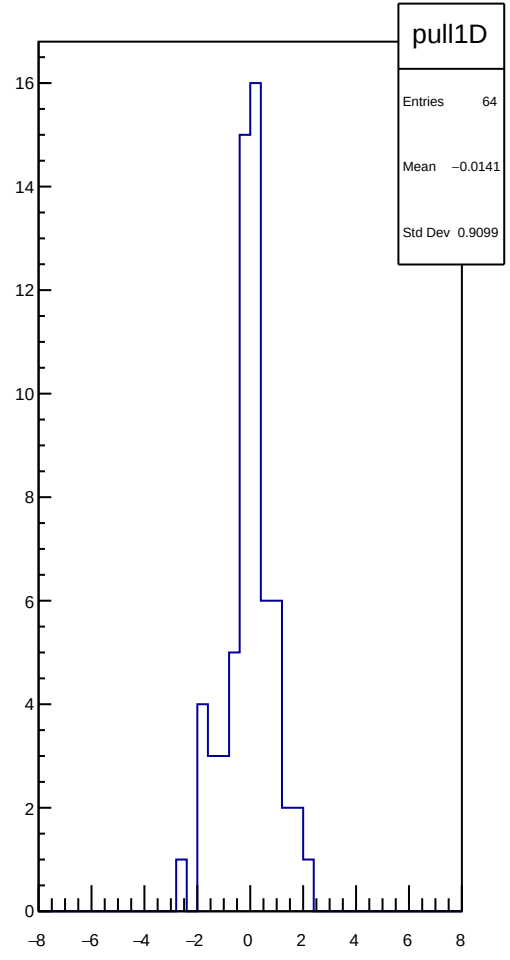


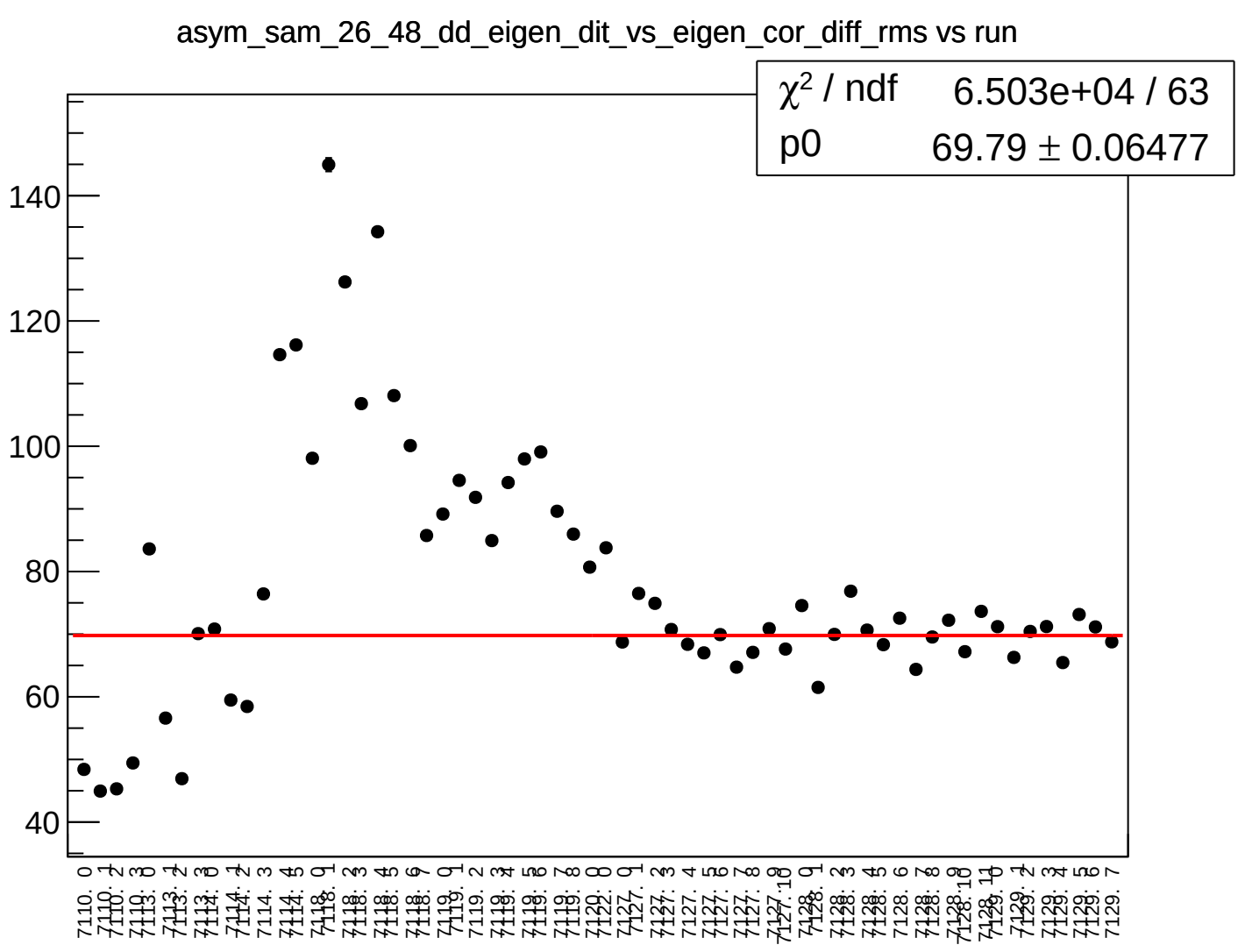


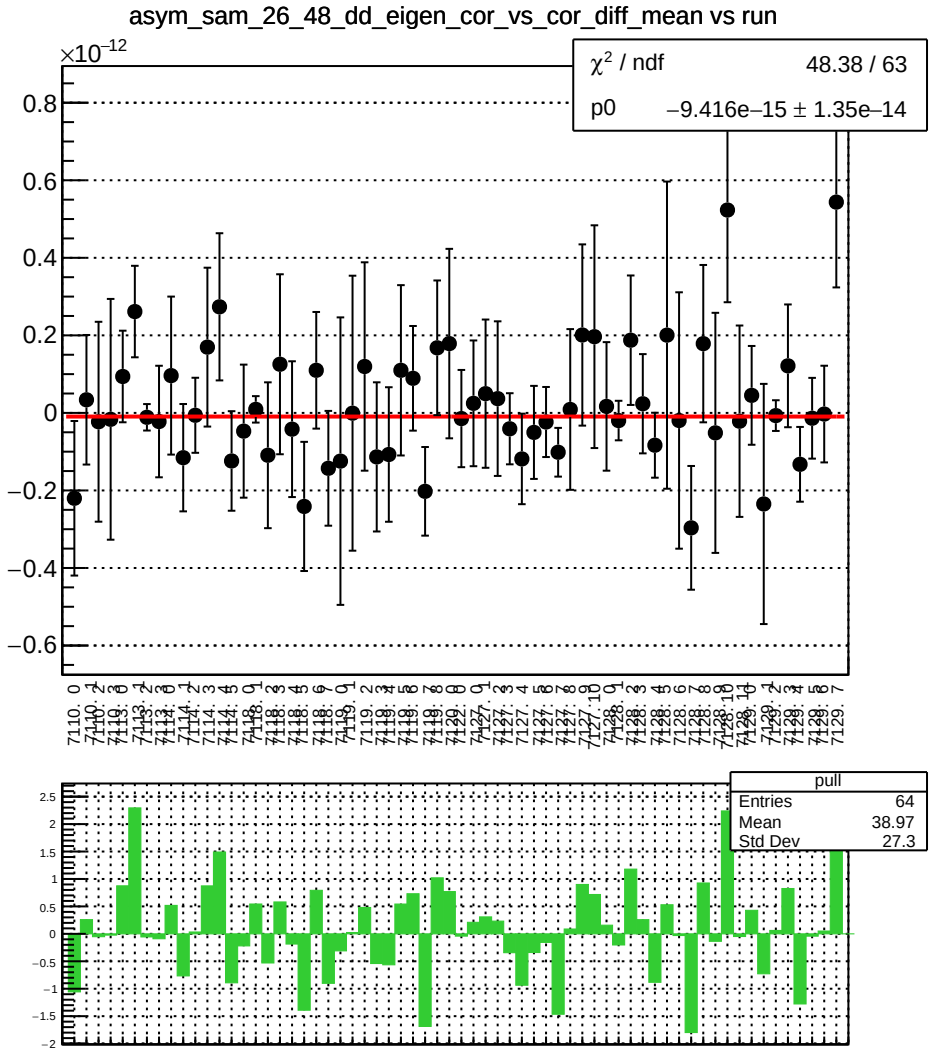

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 63
p0 69.79 ± 0.06477
140
120
100
80
60
40

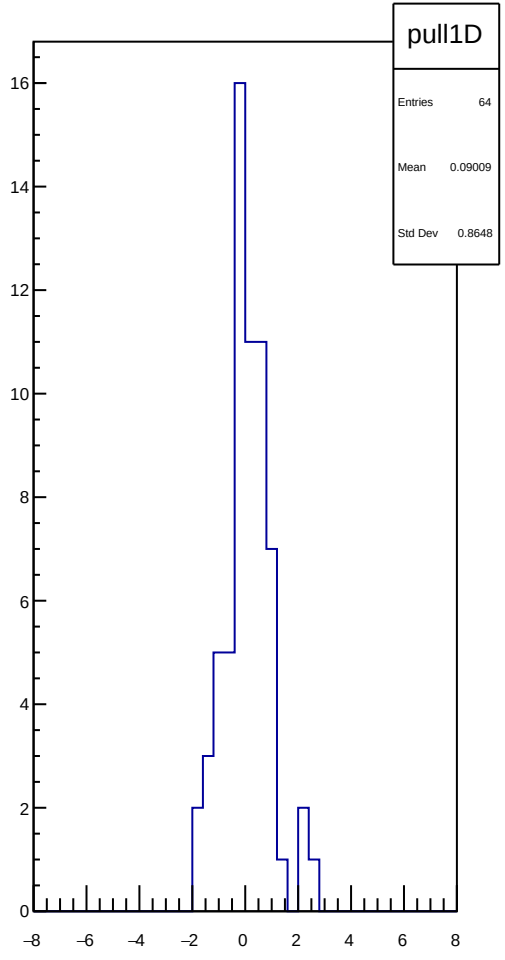
asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

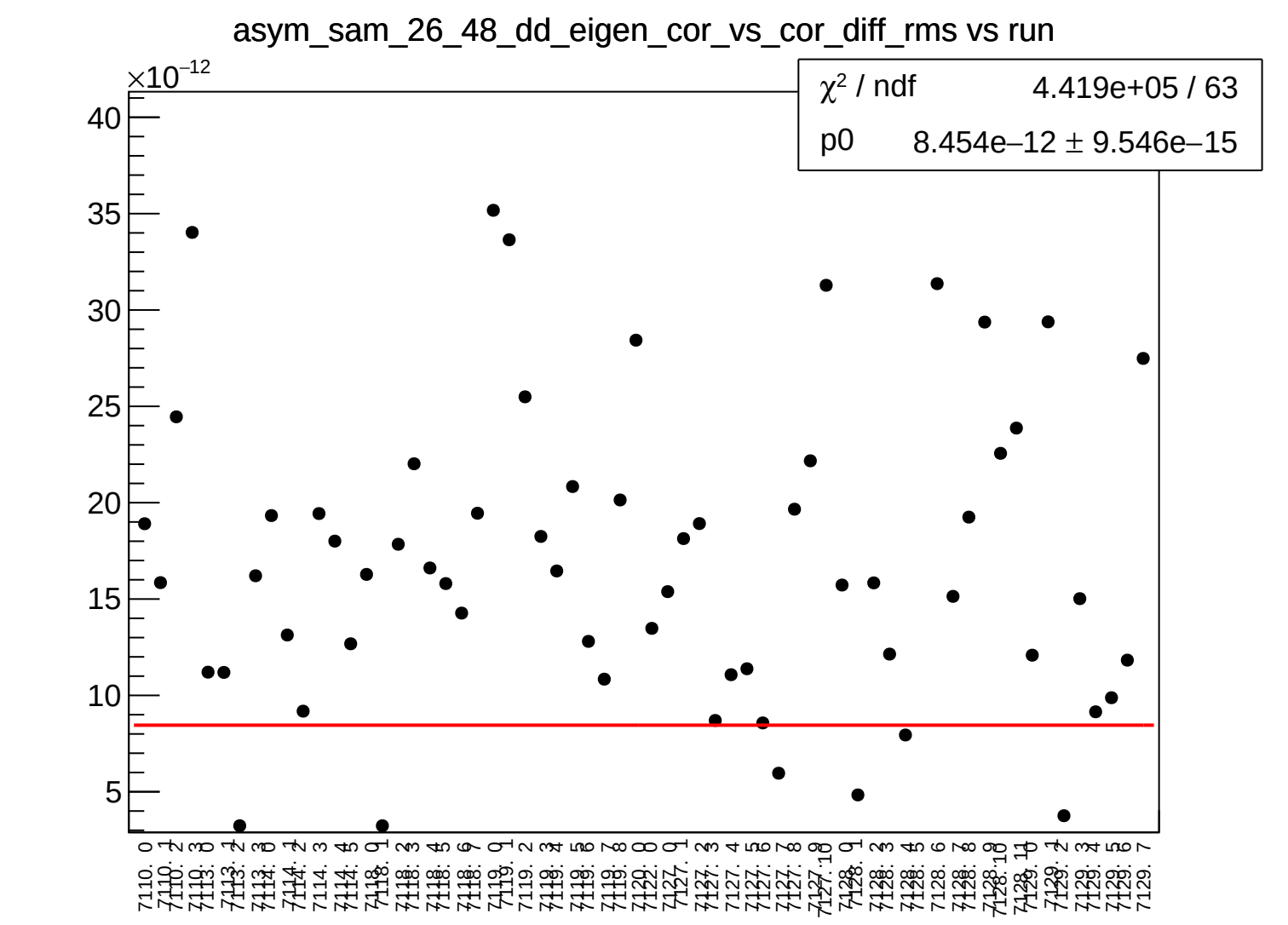


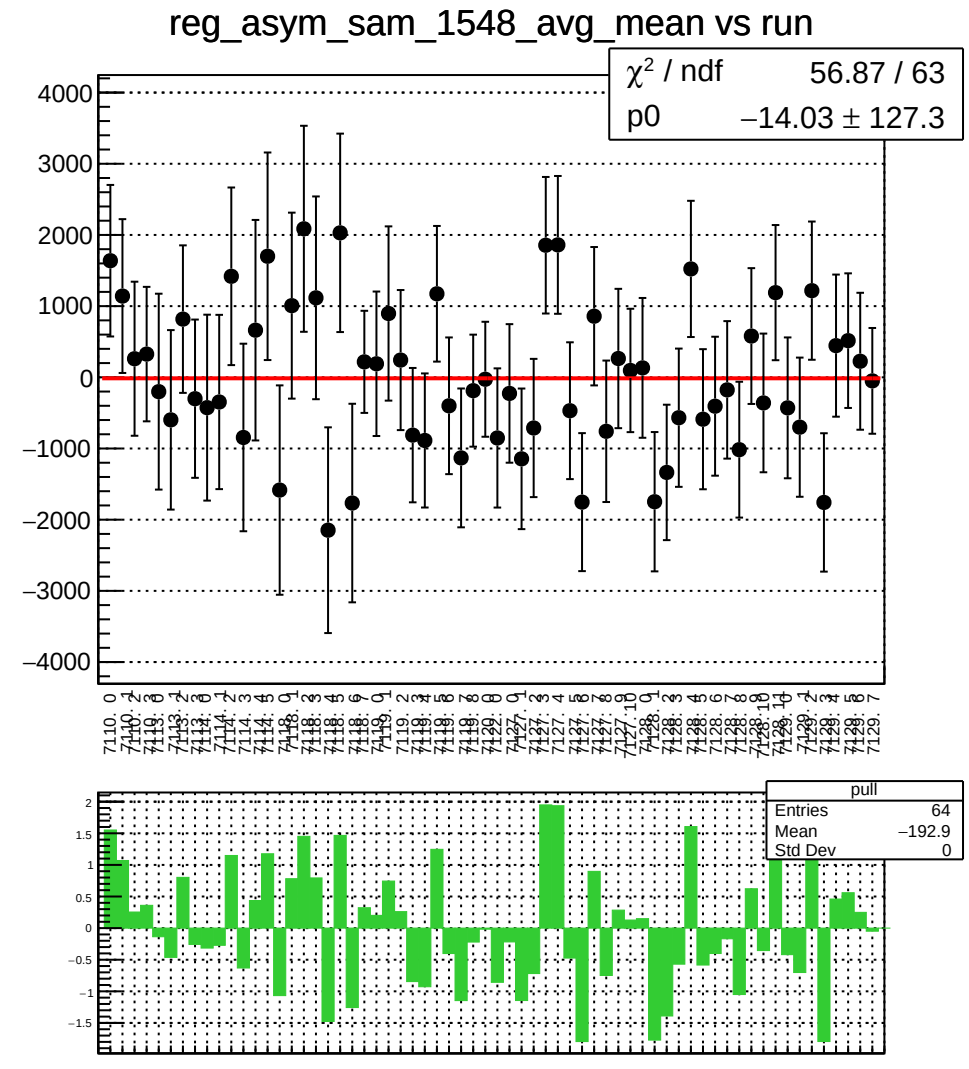


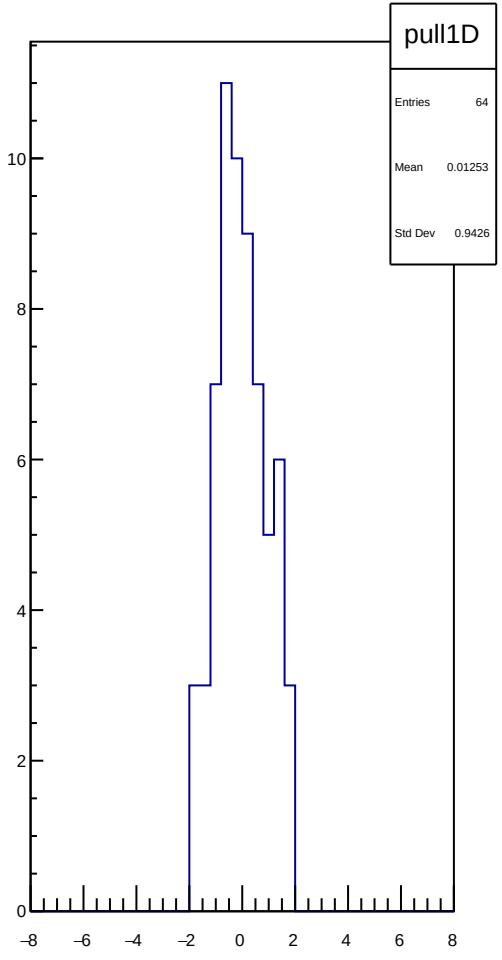

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 63
p0 69.79 ± 0.06477
140
120
100
80
60
40

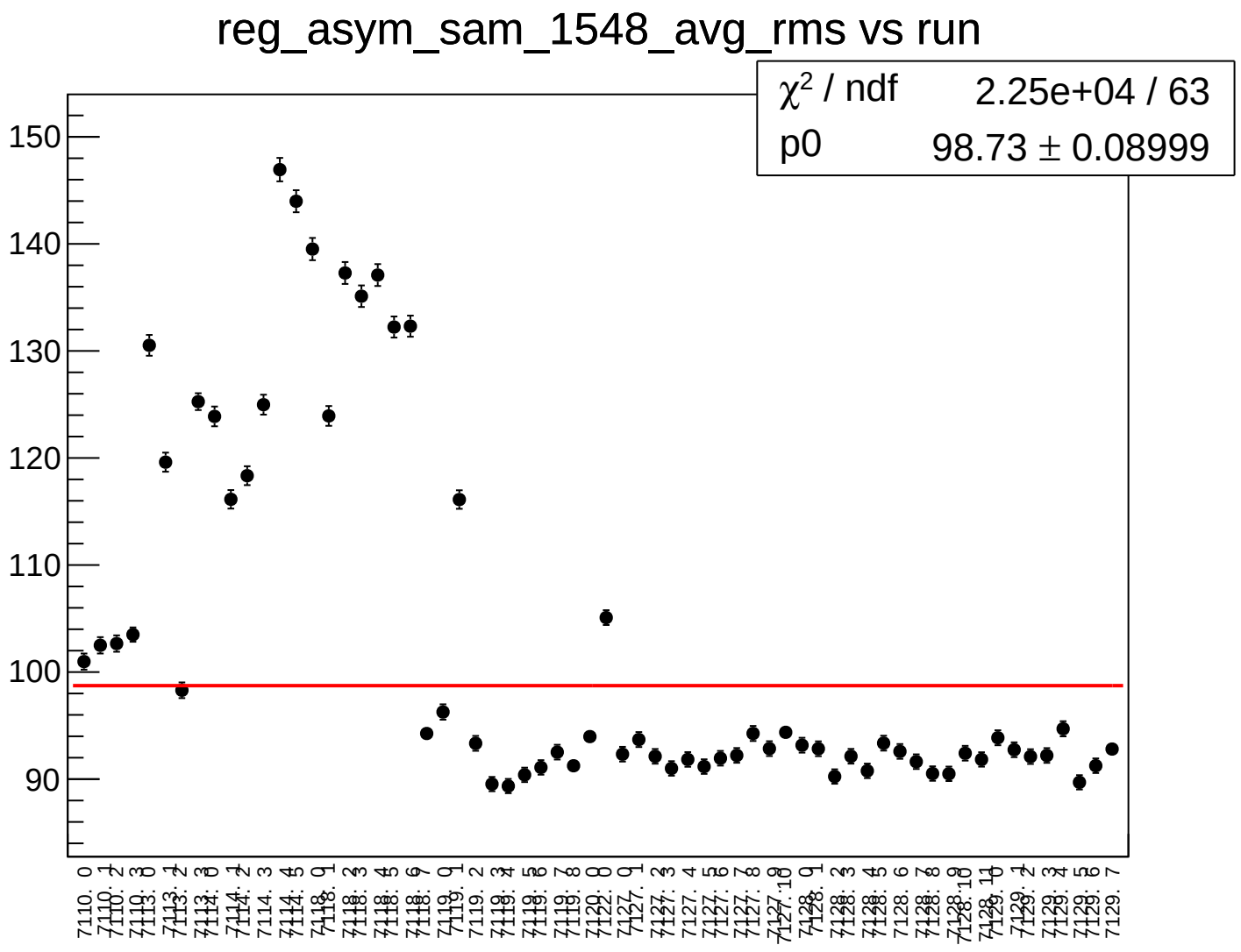

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.38 / 63
p0 −9.416e−15 ± 1.35e−14
pull
Entries 64
Mean 38.97
Std Dev 27.3

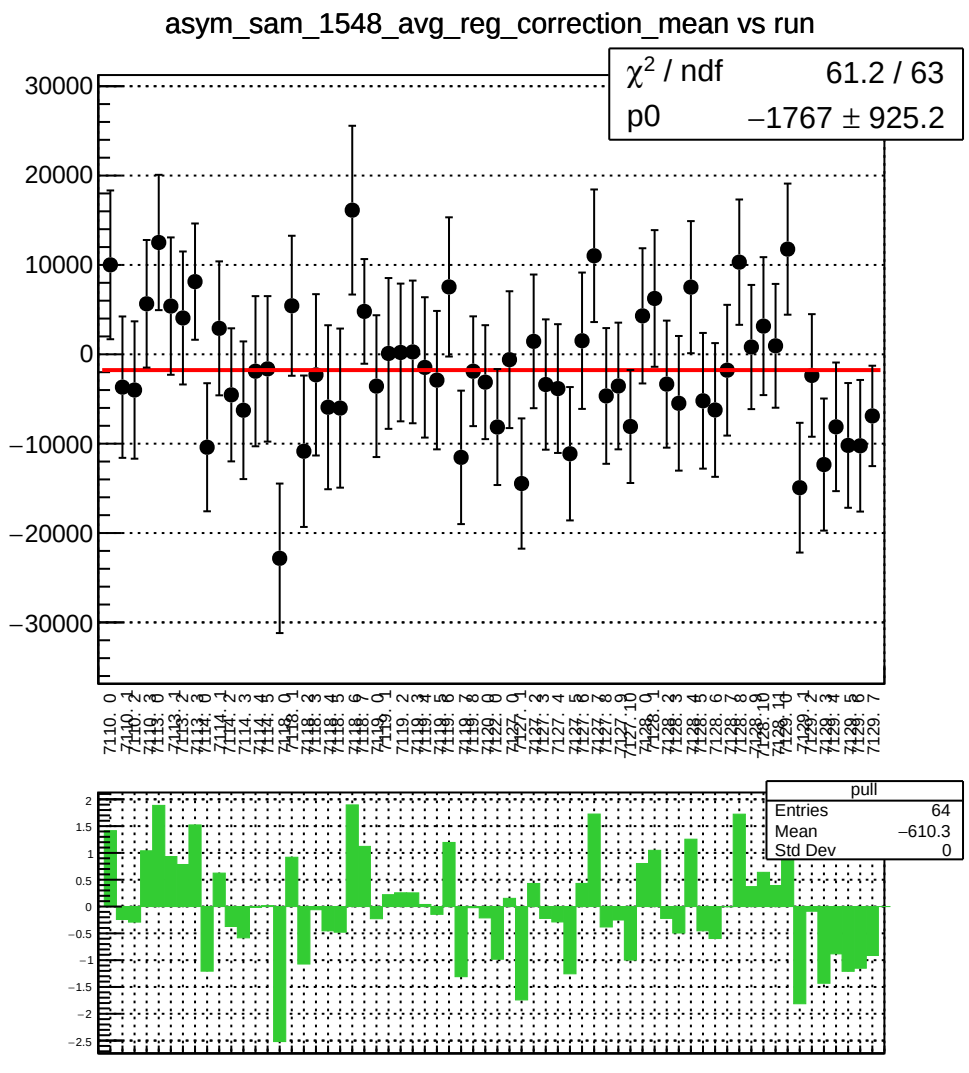

pull1D
Entries 64
Mean 0.09009
Std Dev 0.8648

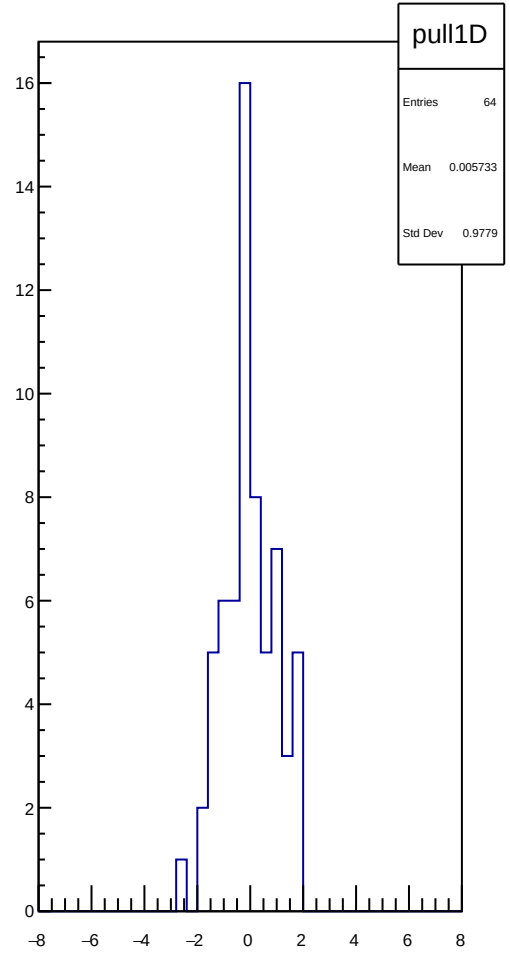

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.419e+05 / 63
p0 8.454e−12 ± 9.546e−15
40
35
30
25
20
15
10
5

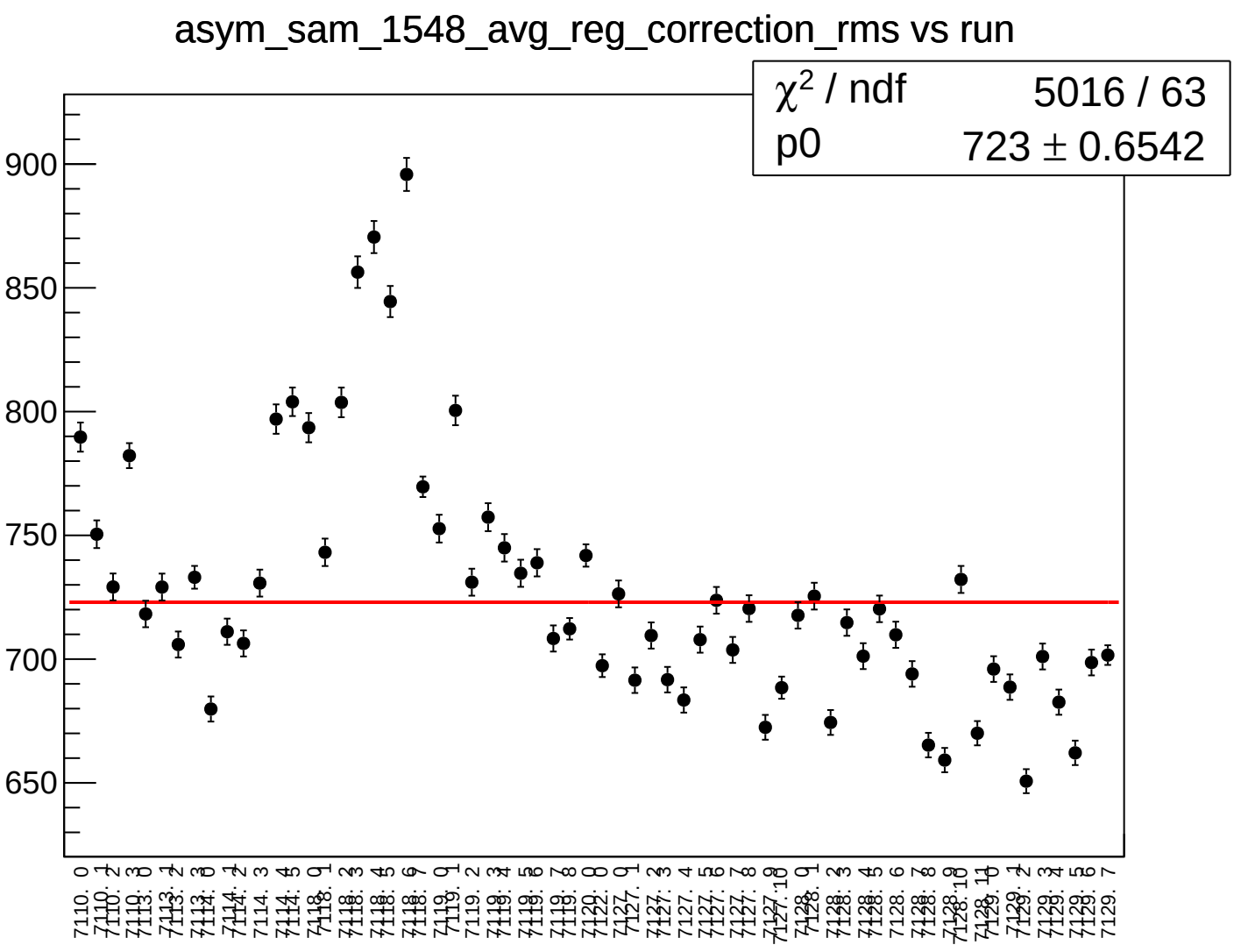

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 56.87 / 63
p0 −14.03 ± 127.3
pull
Entries 64
Mean −192.9
Std Dev 0

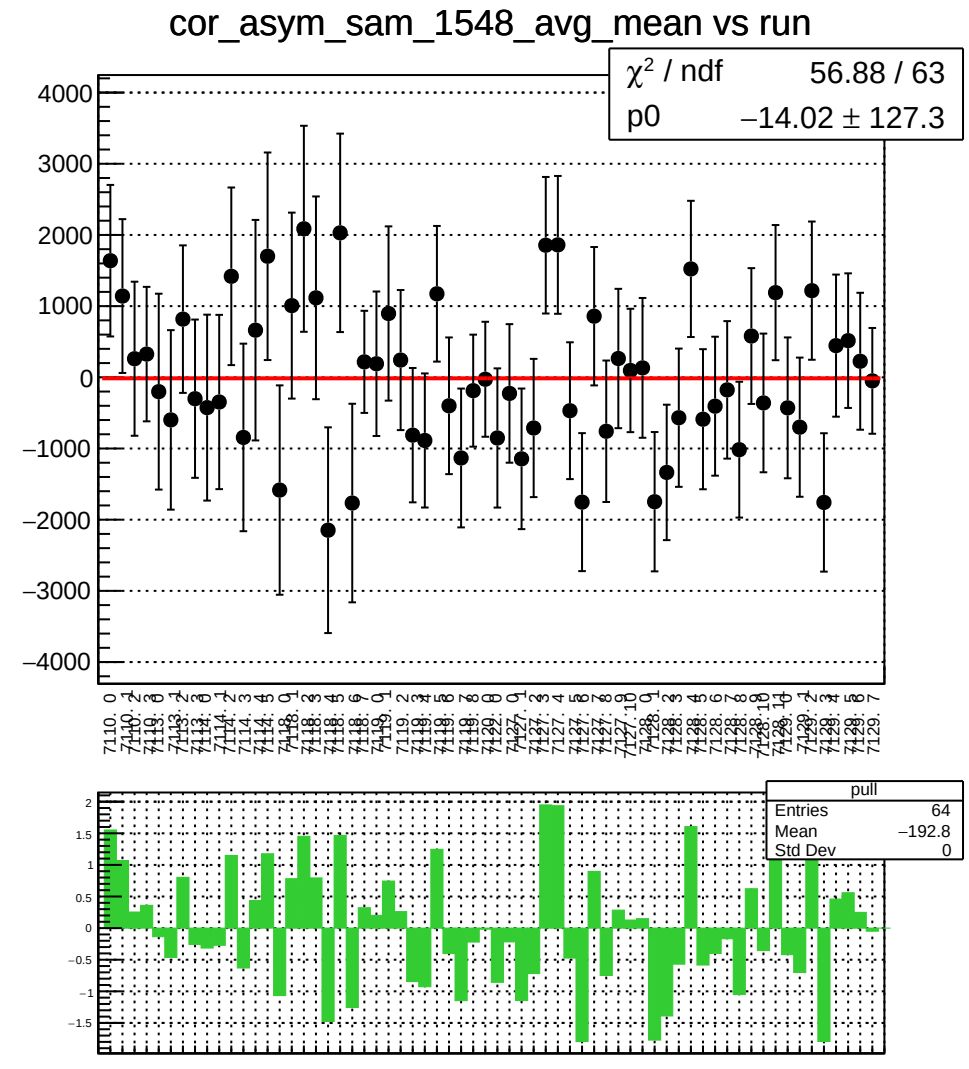

pull1D
Entries 64
Mean 0.01253
Std Dev 0.9426

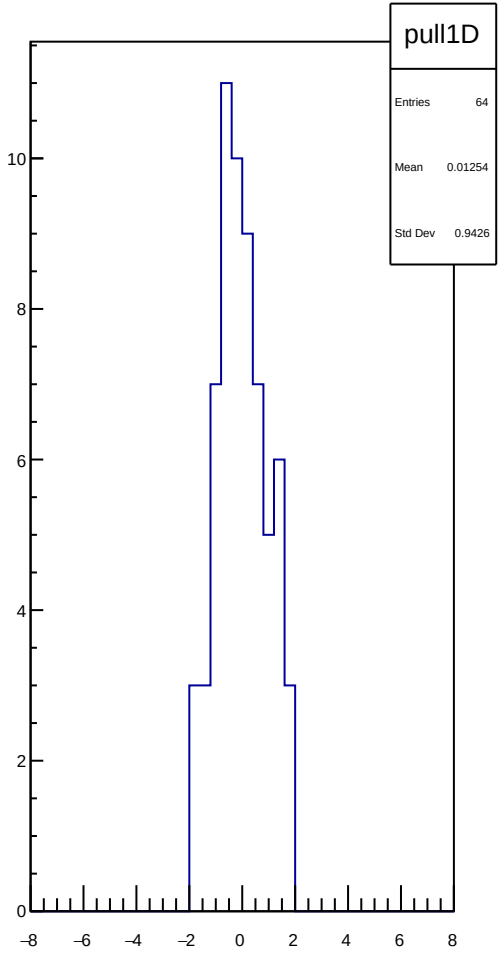

reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2.25e+04 / 63
p0 98.73 ± 0.08999
150
140
130
120
110
100
90

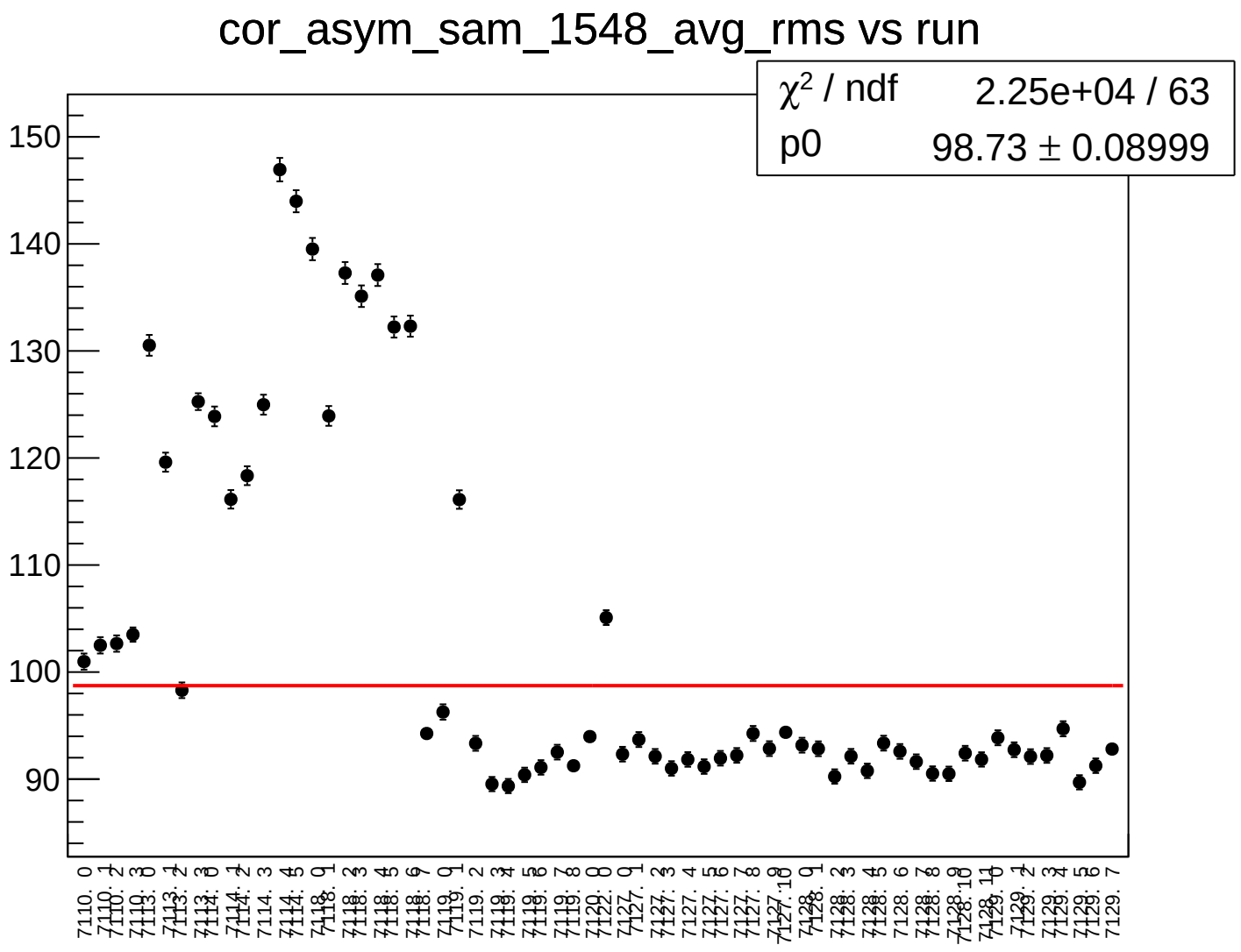

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 61.2 / 63
p0 −1767 ± 925.2
pull
Entries 64
Mean −610.3
Std Dev 0

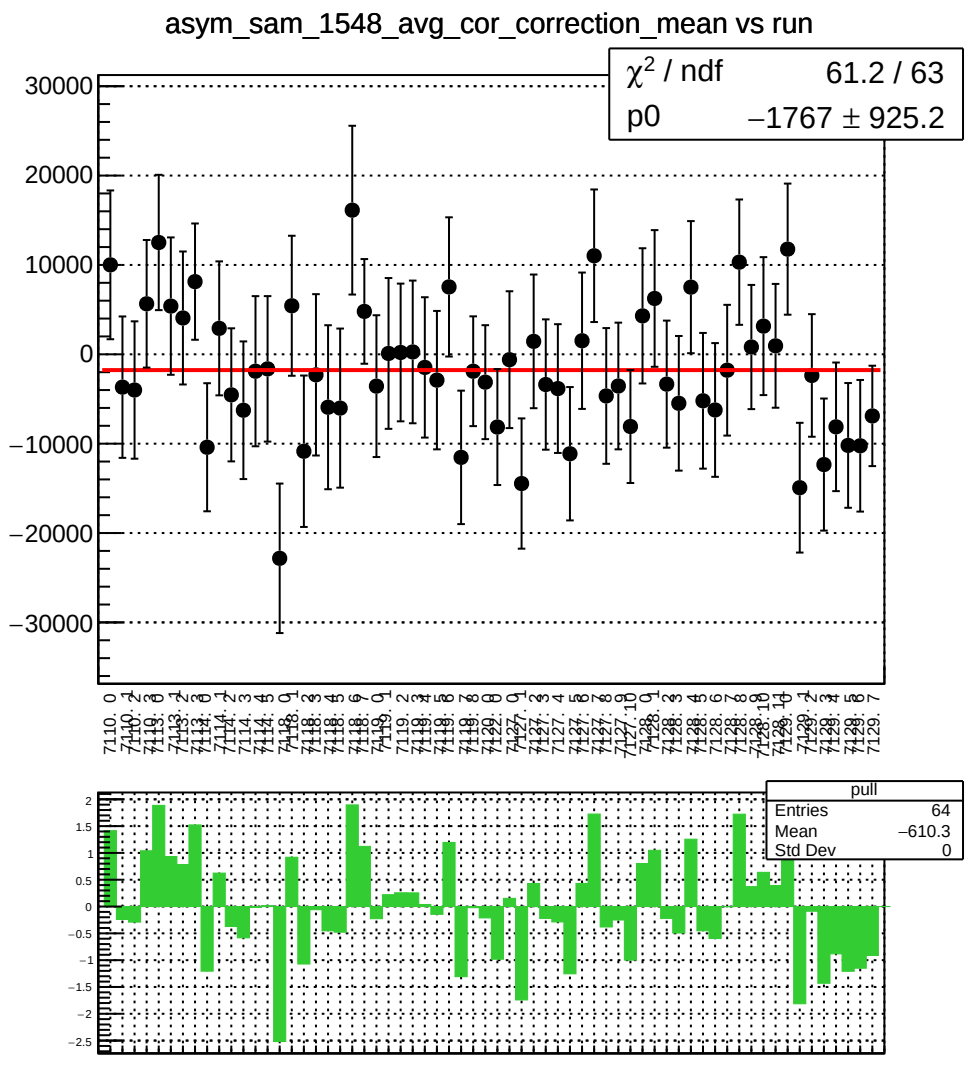

pull1D
Entries 64
Mean 0.005733
Std Dev 0.9779

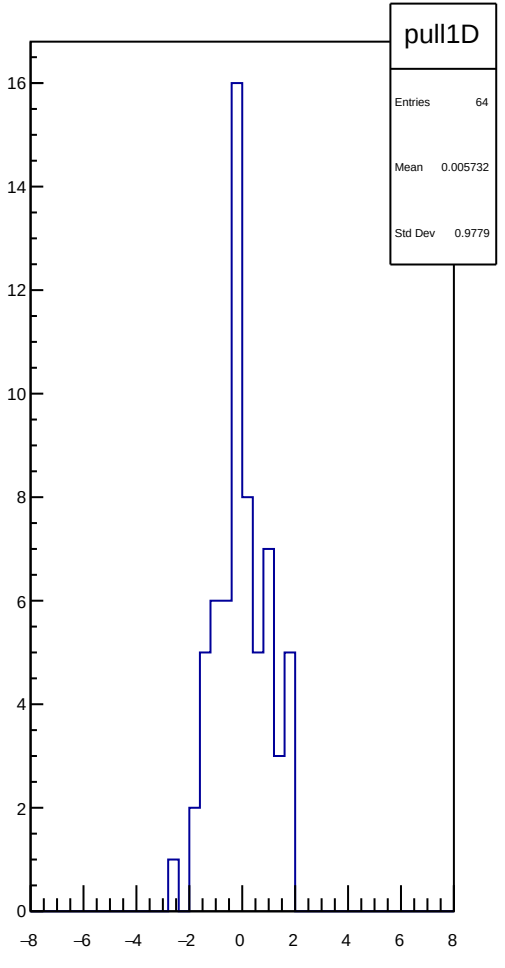

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 5016 / 63
p0 723 ± 0.6542
900
850
800
750
700
650

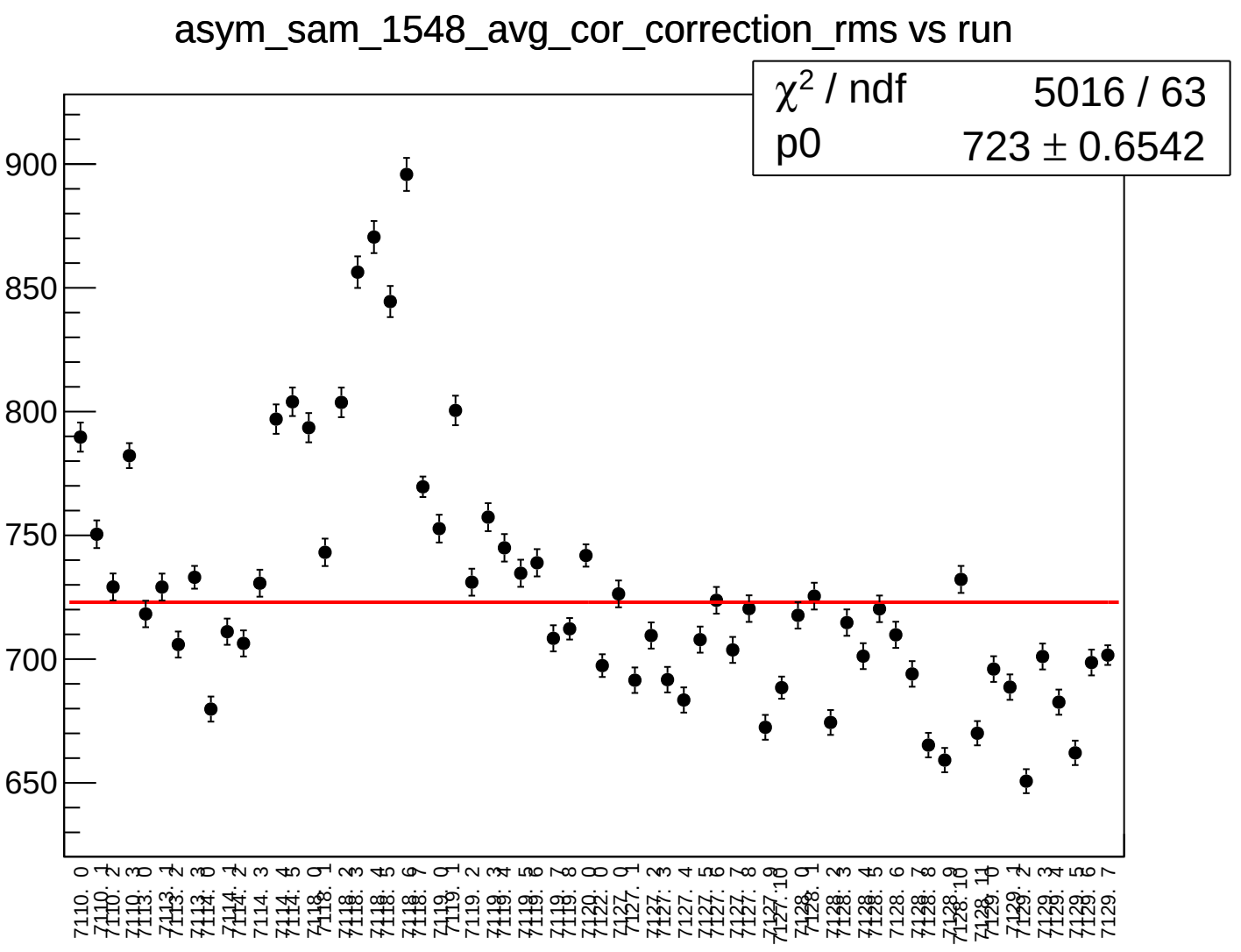

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 56.88 / 63
p0 −14.02 ± 127.3
pull
Entries 64
Mean −192.8
Std Dev 0

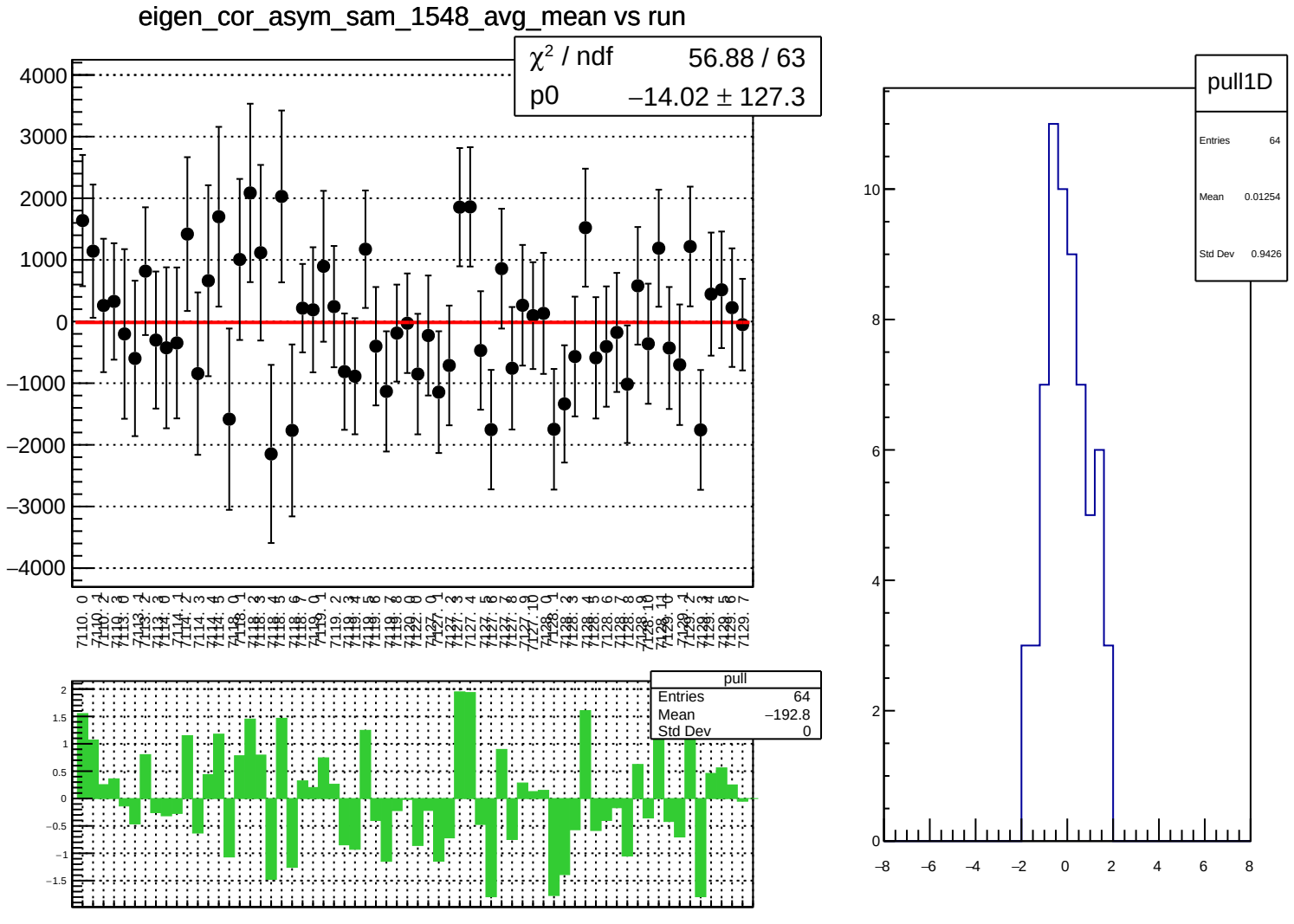

pull1D
Entries 64
Mean 0.01254
Std Dev 0.9426

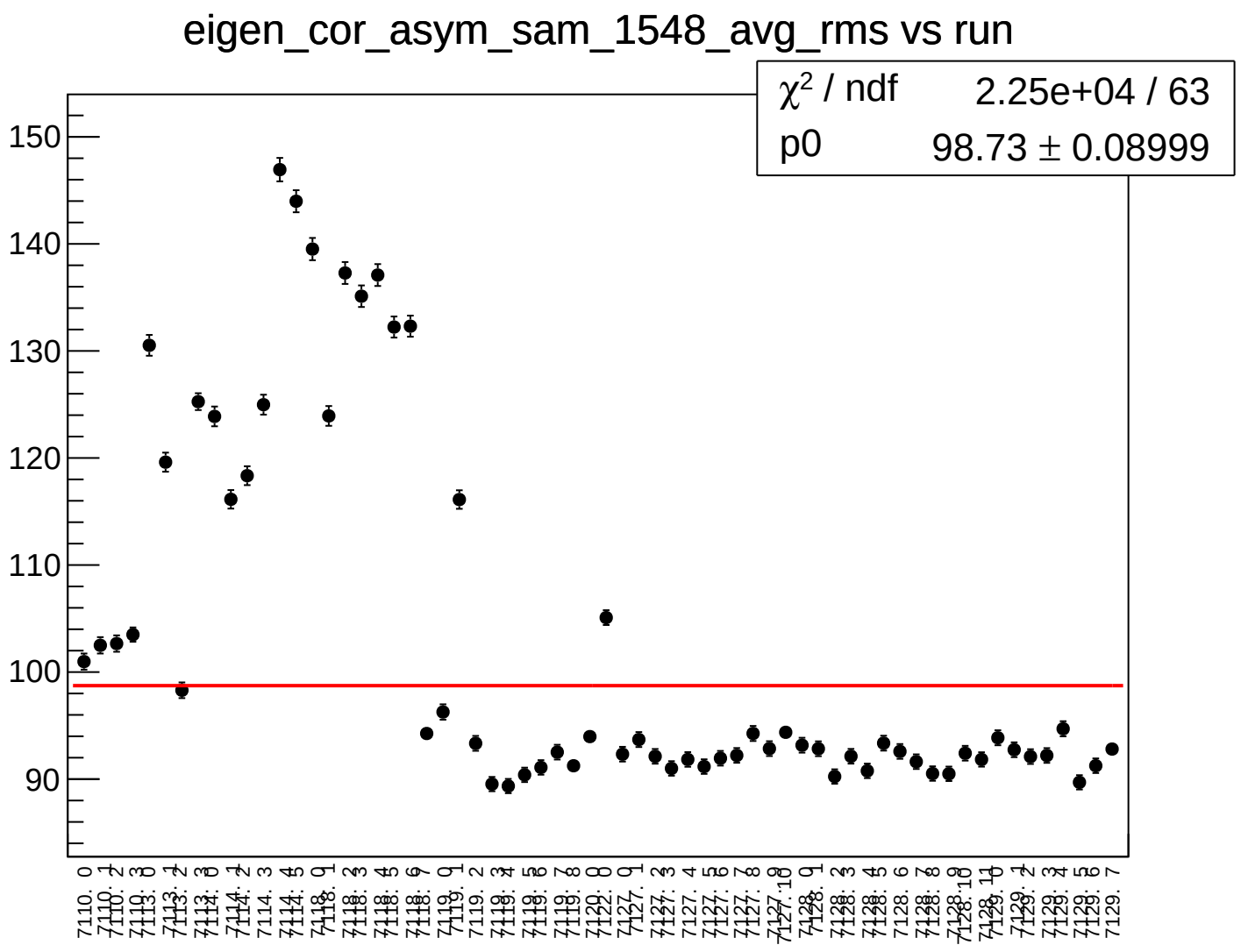

cor_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2.25e+04 / 63
p0 98.73 ± 0.08999
150
140
130
120
110
100
90

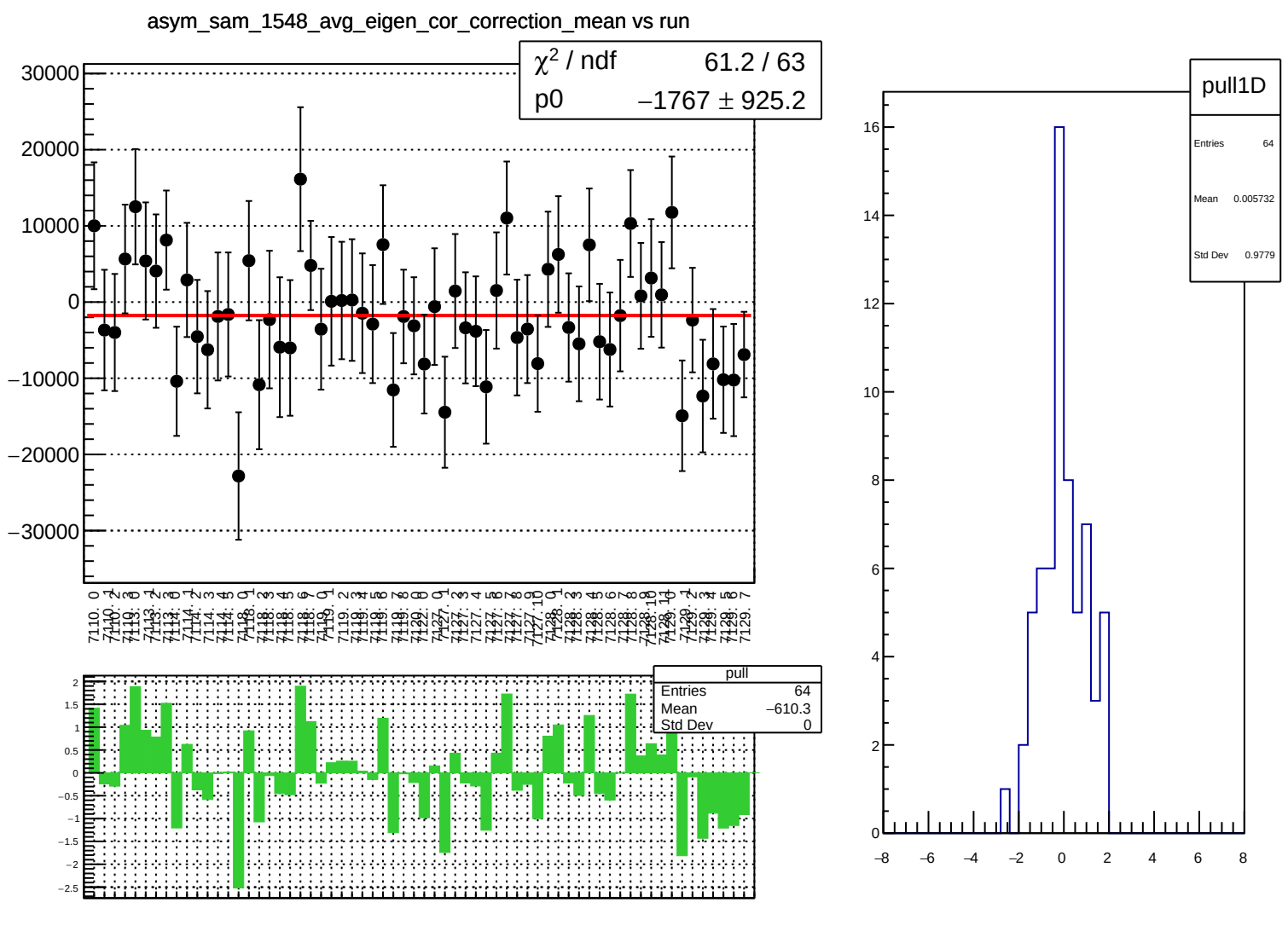

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 61.2 / 63
p0 −1767 ± 925.2
pull
Entries 64
Mean −610.3
Std Dev 0

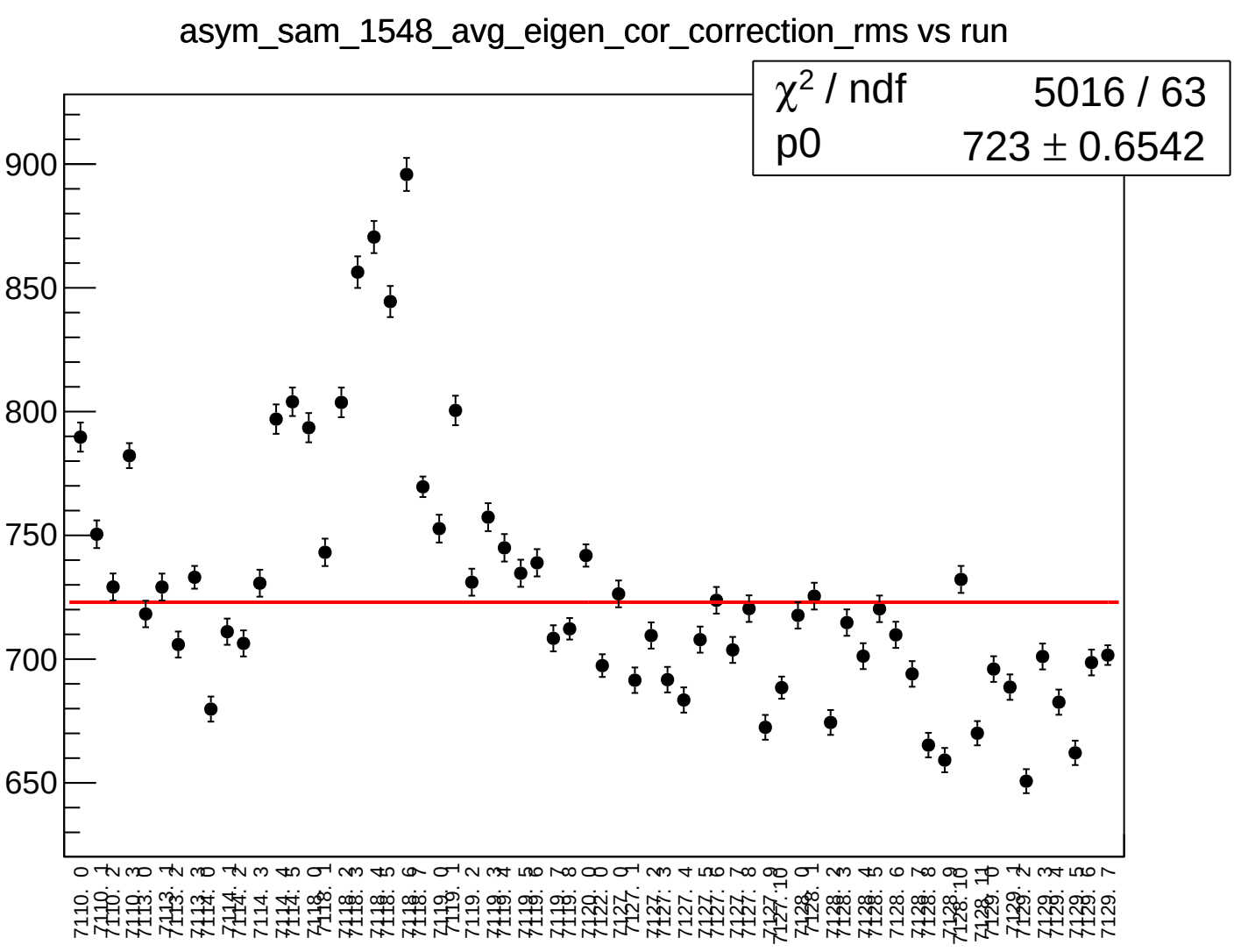

pull1D
Entries 64
Mean 0.005732
Std Dev 0.9779

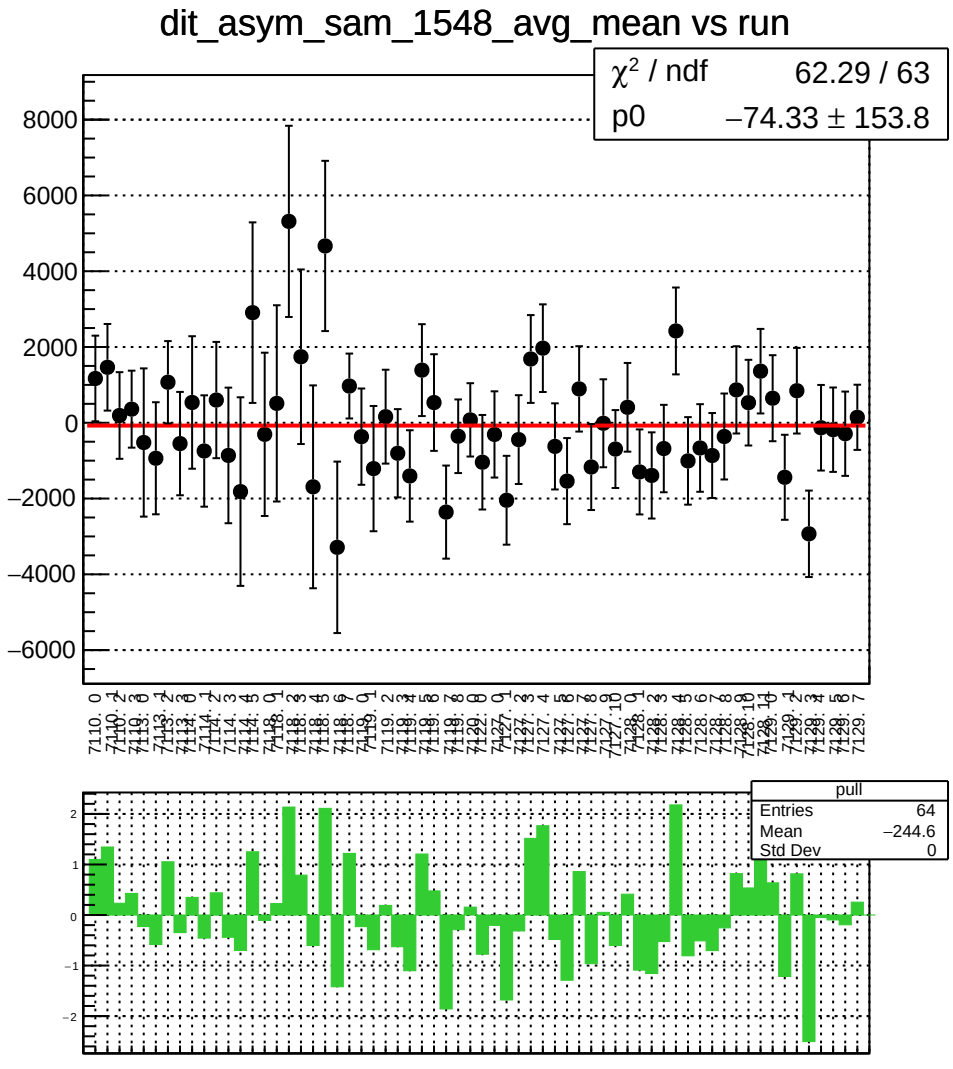

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 5016 / 63
p0 723 ± 0.6542
900
850
800
750
700
650

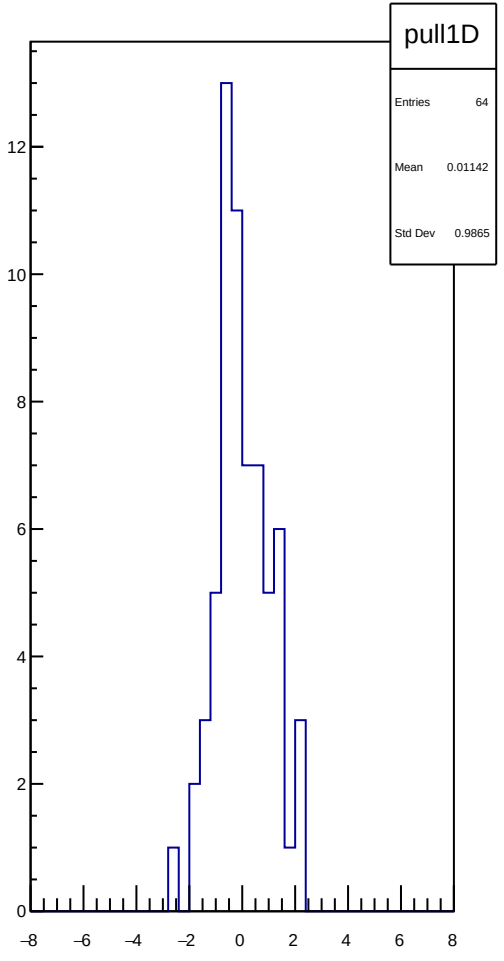

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 56.88 / 63
p0 −14.02 ± 127.3
pull
Entries 64
Mean −192.8
Std Dev 0
pull1D
Entries 64
Mean 0.01254
Std Dev 0.9426

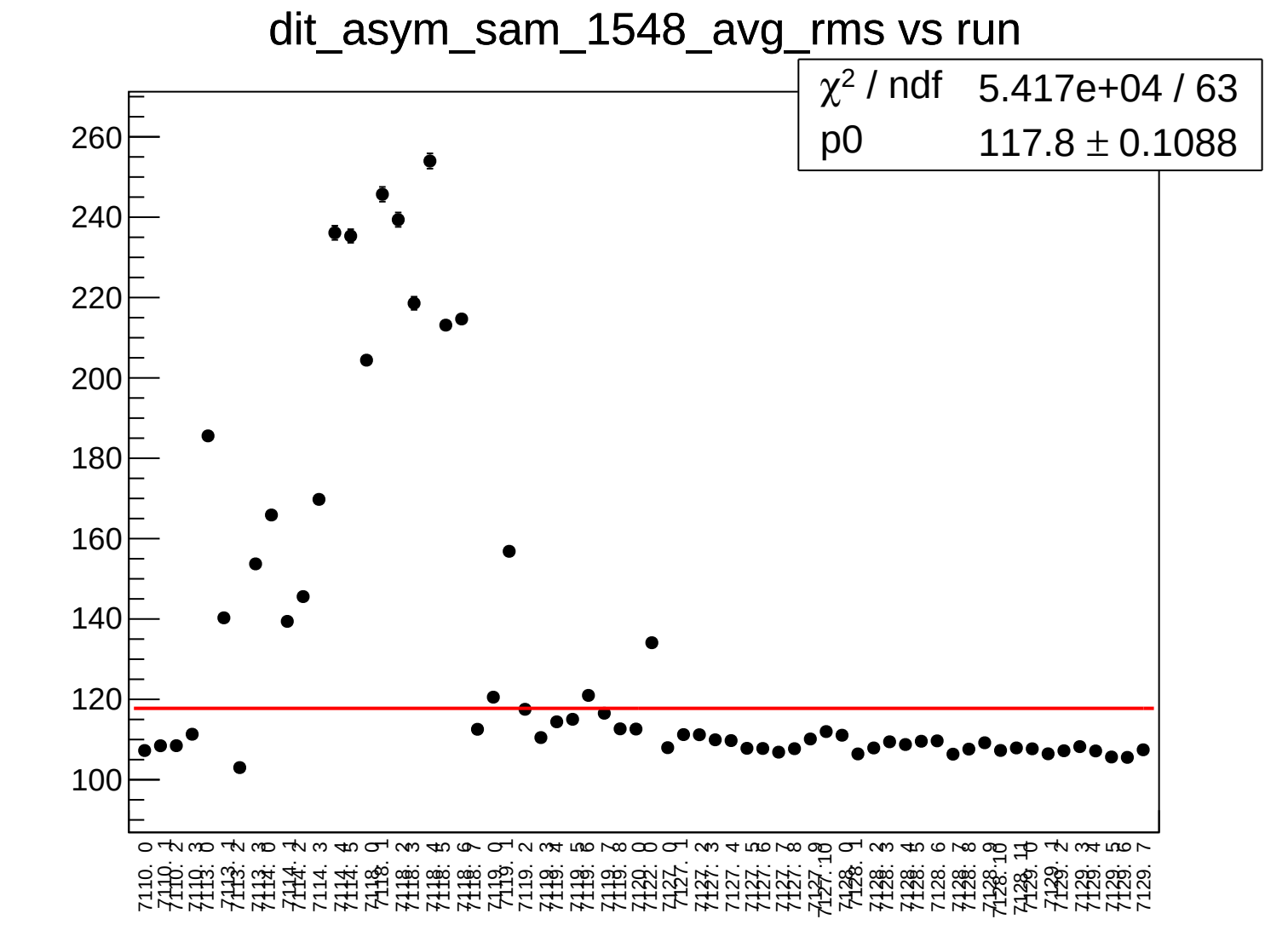

eigen_cor_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2.25e+04 / 63
p0 98.73 ± 0.08999
150
140
130
120
110
100
90

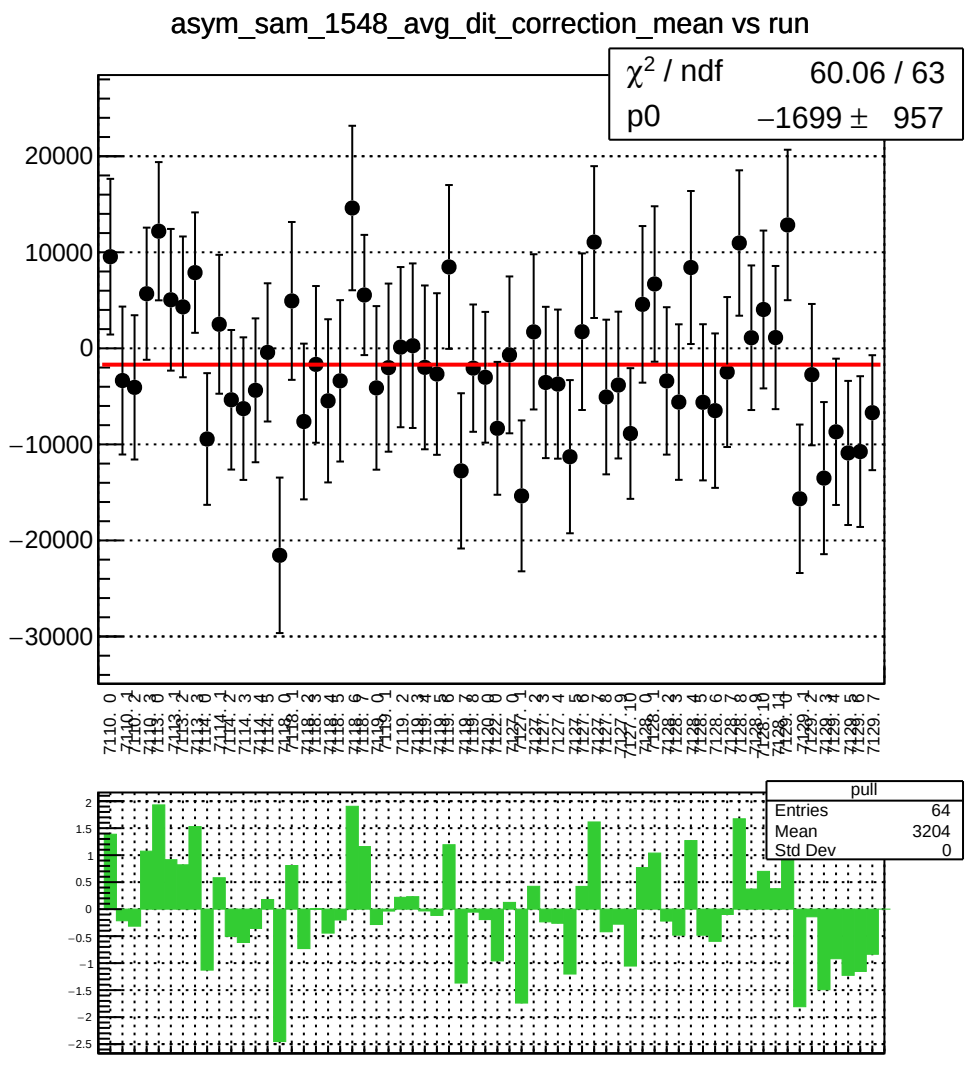

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 61.2 / 63
p0 −1767 ± 925.2
pull
Entries 64
Mean −610.3
Std Dev 0
pull1D
Entries 64
Mean 0.005732
Std Dev 0.9779

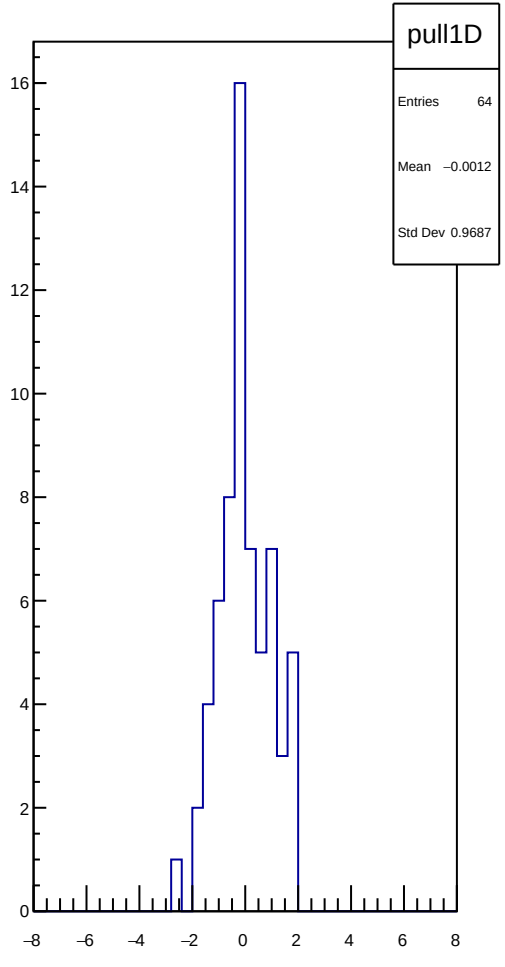

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 5016 / 63
p0 723 ± 0.6542
900
850
800
750
700
650

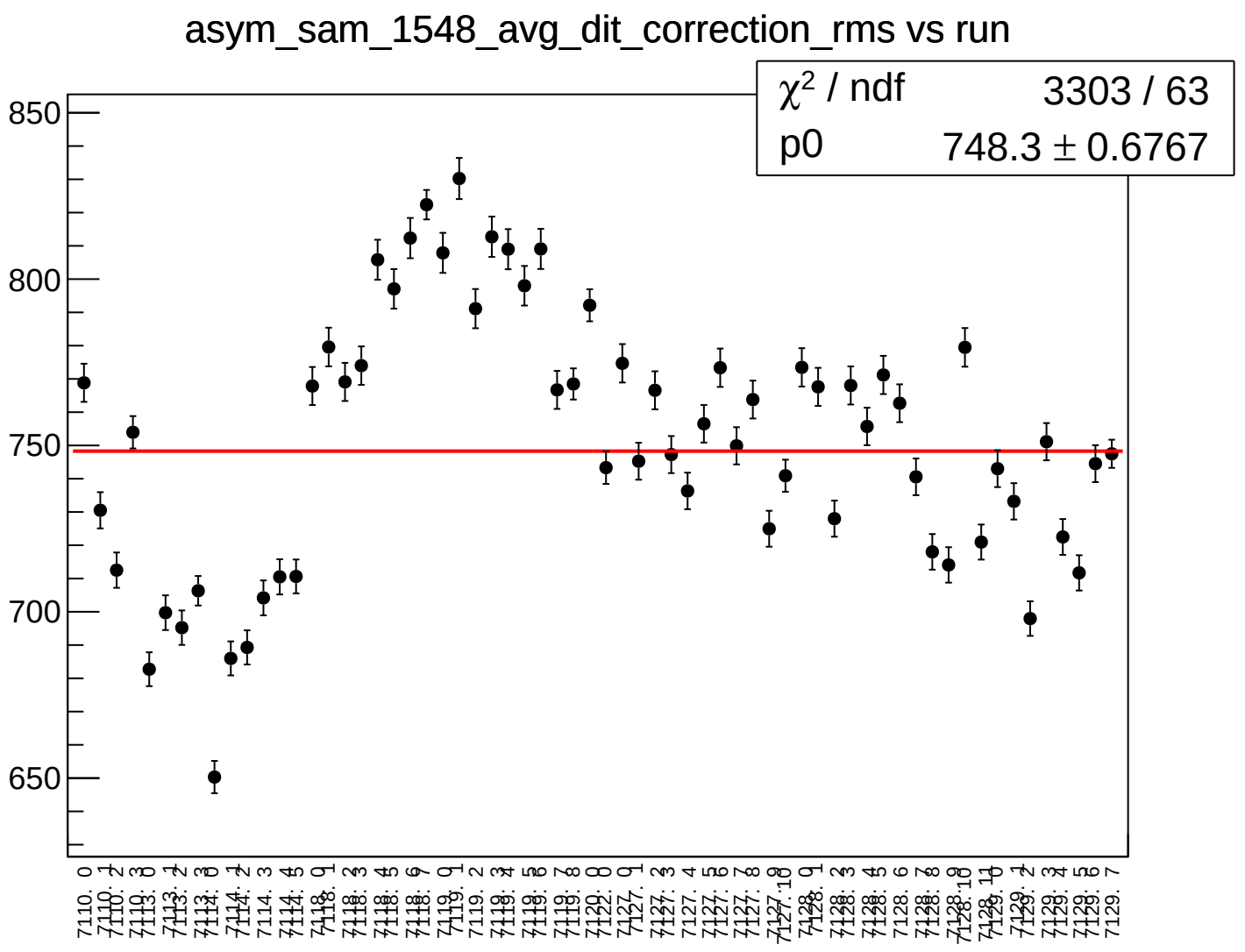

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 62.29 / 63
p0 −74.33 ± 153.8
pull
Entries 64
Mean −244.6
Std Dev 0

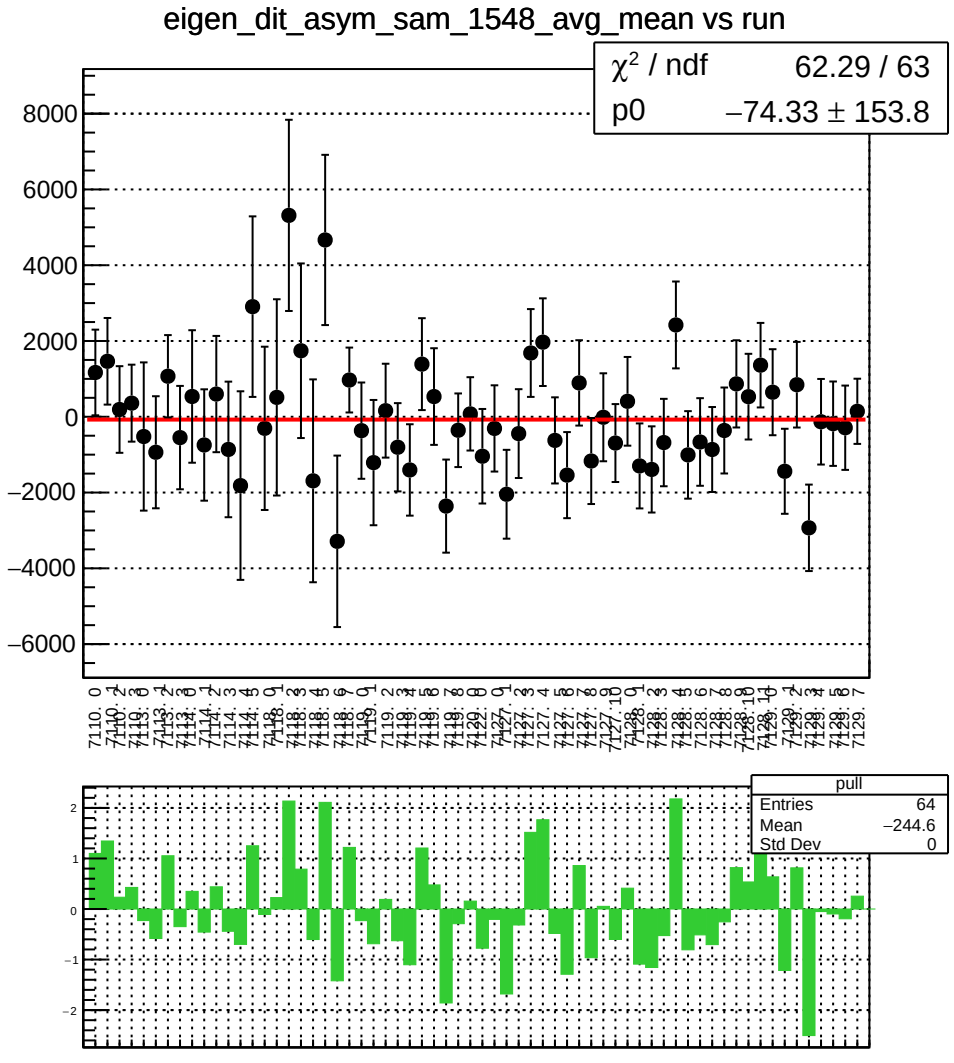

pull1D
Entries 64
Mean 0.01142
Std Dev 0.9865

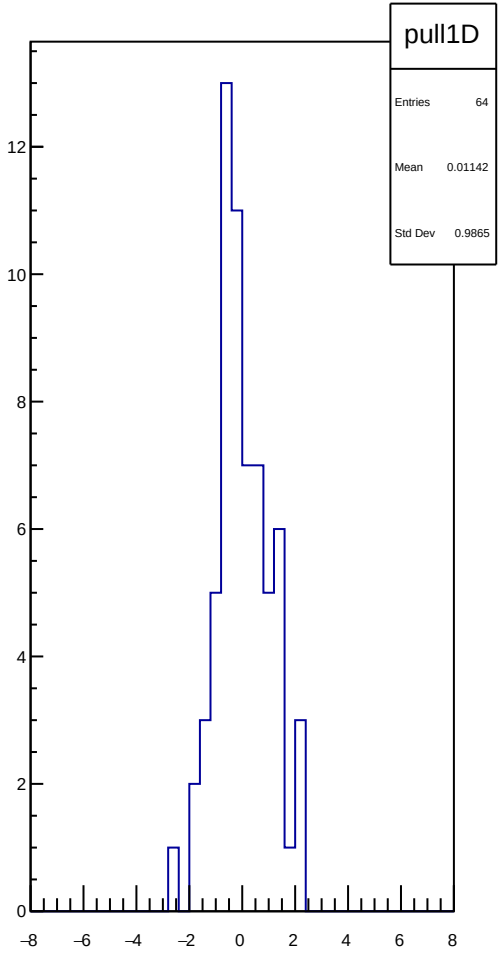

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 5.417e+04 / 63
p0 117.8 ± 0.1088
260
240
220
200
180
160
140
120
100

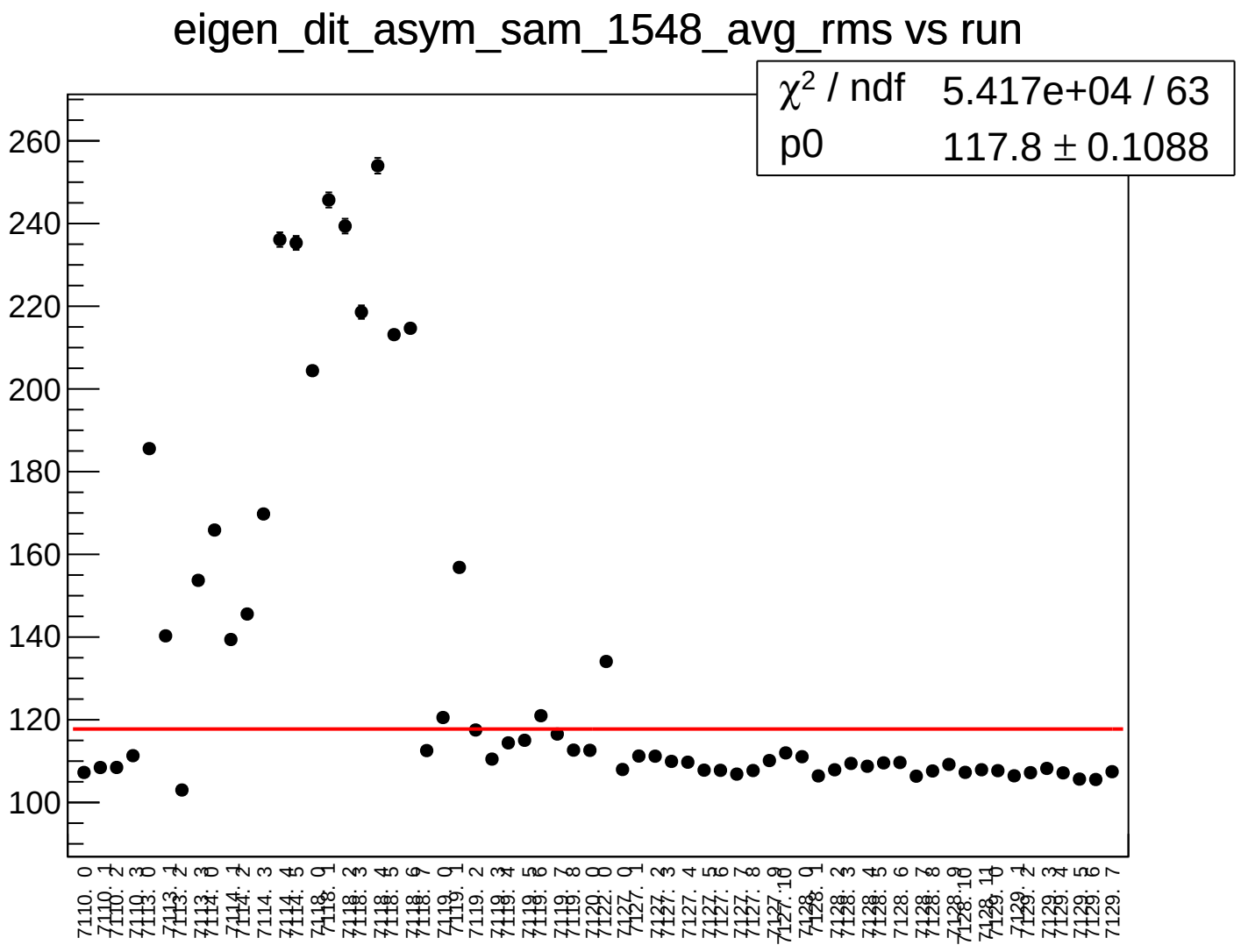

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 60.06 / 63
p0 −1699 ± 957
pull
Entries 64
Mean 3204
Std Dev 0

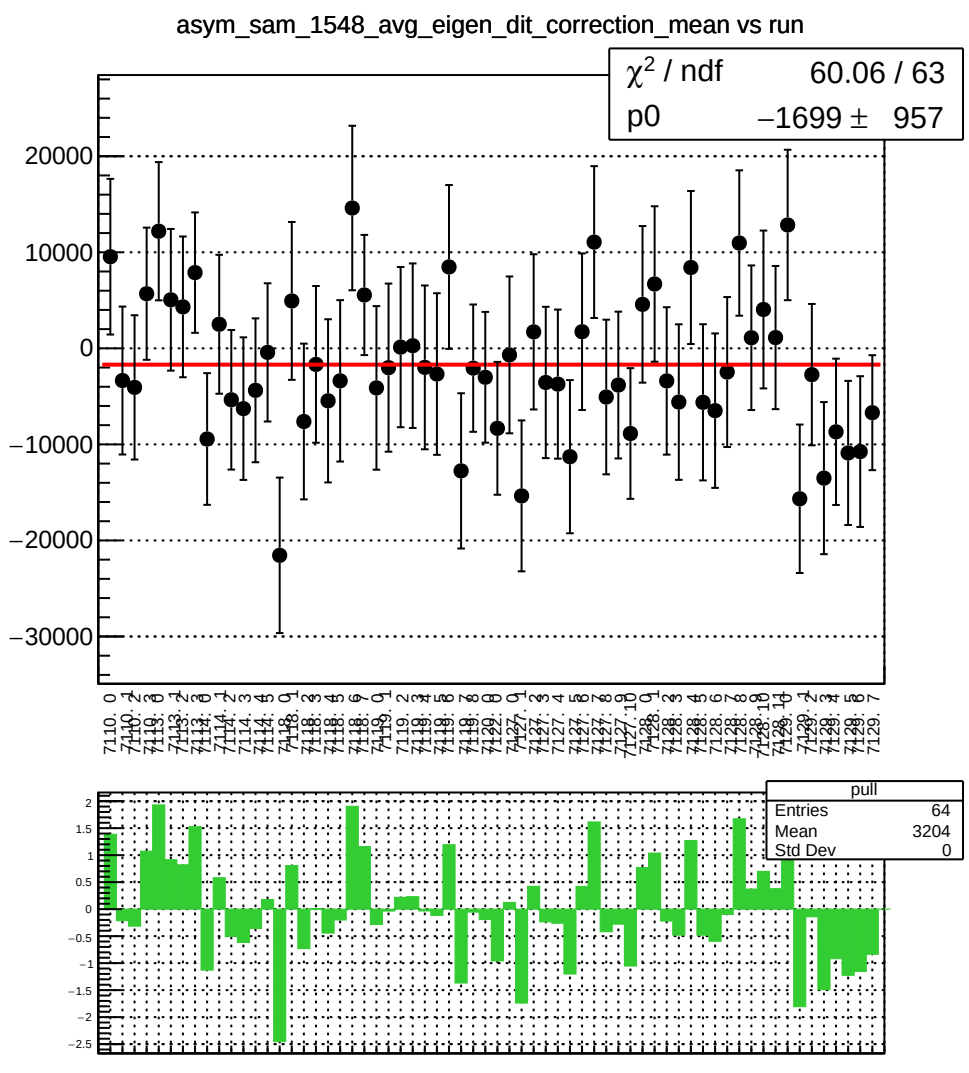

pull1D
Entries 64
Mean −0.0012
Std Dev 0.9687

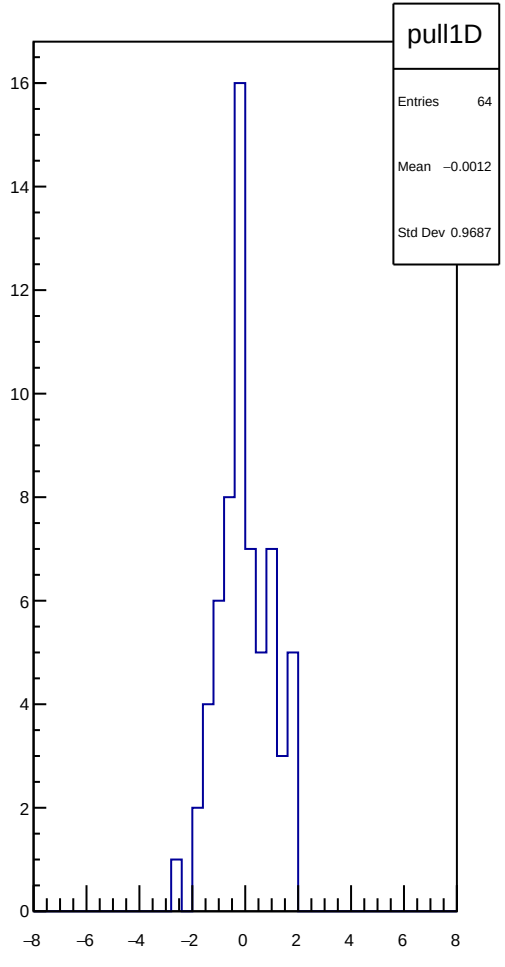

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 3303 / 63
p0 748.3 ± 0.6767
850
800
750
700
650

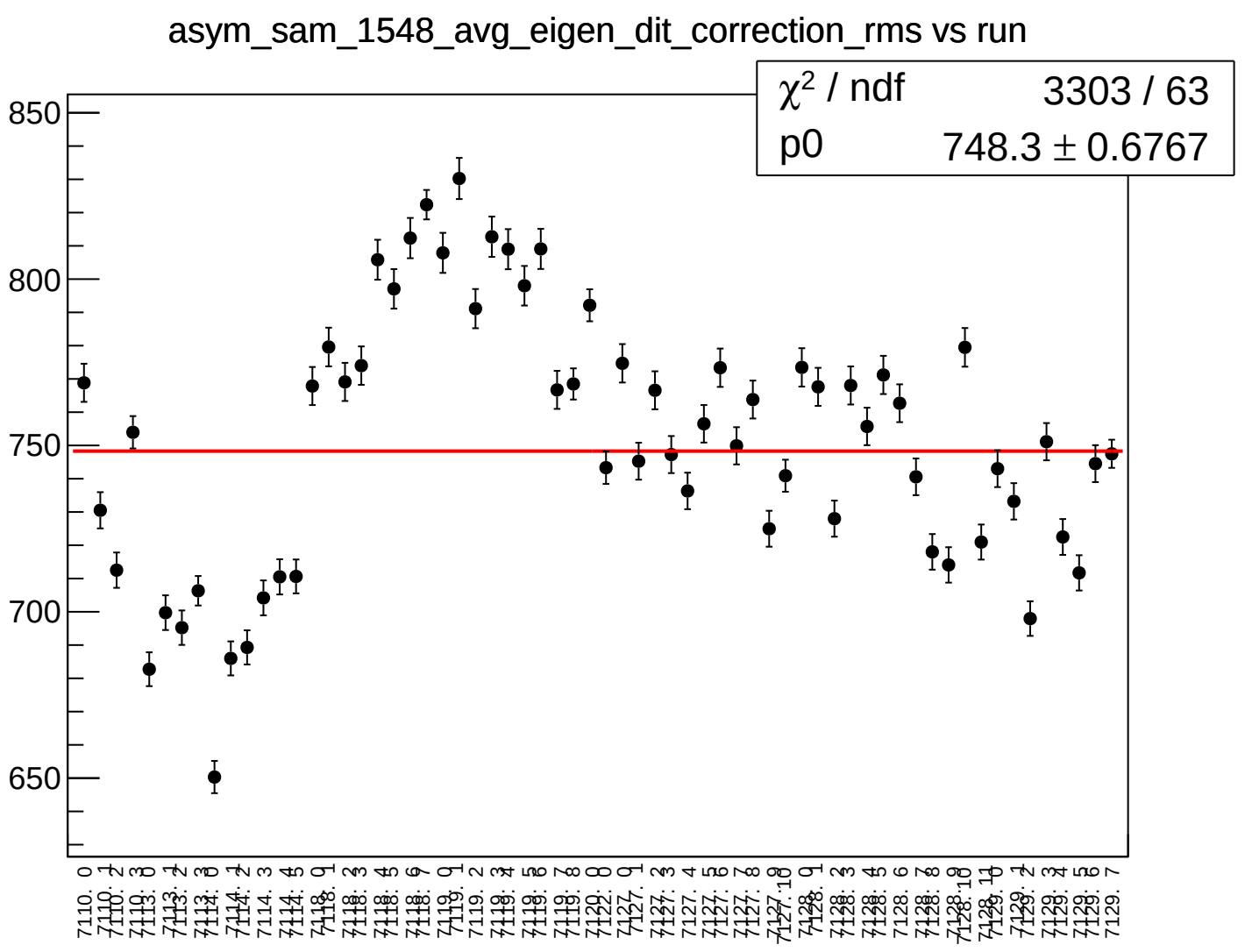

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 62.29 / 63
p0 −74.33 ± 153.8
pull
Entries 64
Mean −244.6
Std Dev 0

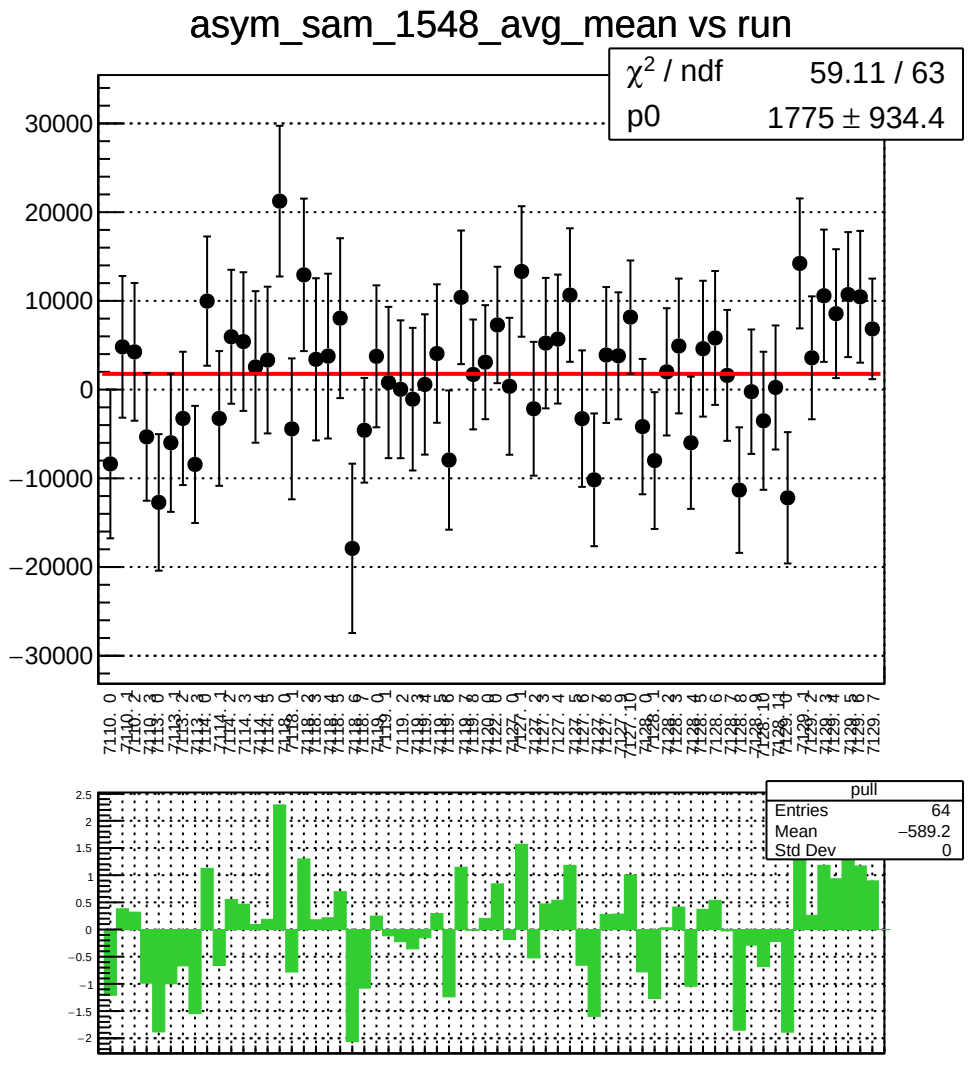

pull1D
Entries 64
Mean 0.01142
Std Dev 0.9865

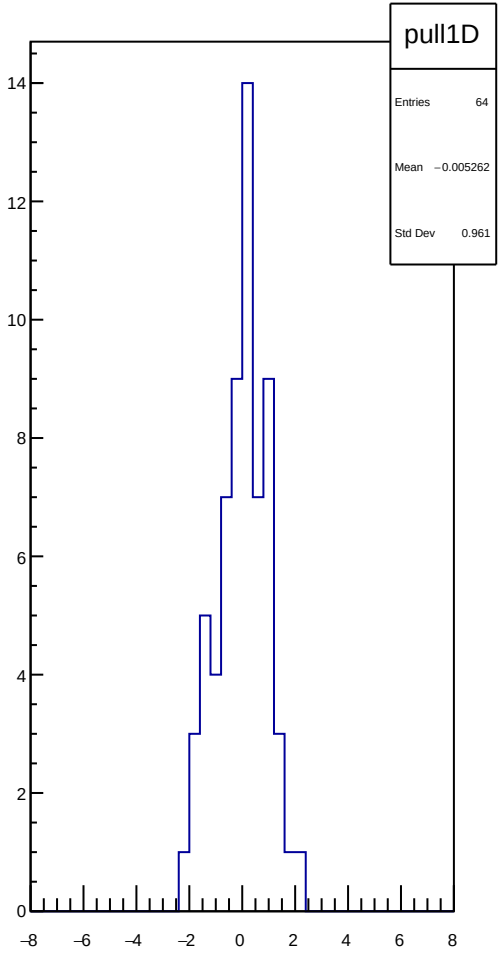

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 5.417e+04 / 63
p0 117.8 ± 0.1088
260
240
220
200
180
160
140
120
100

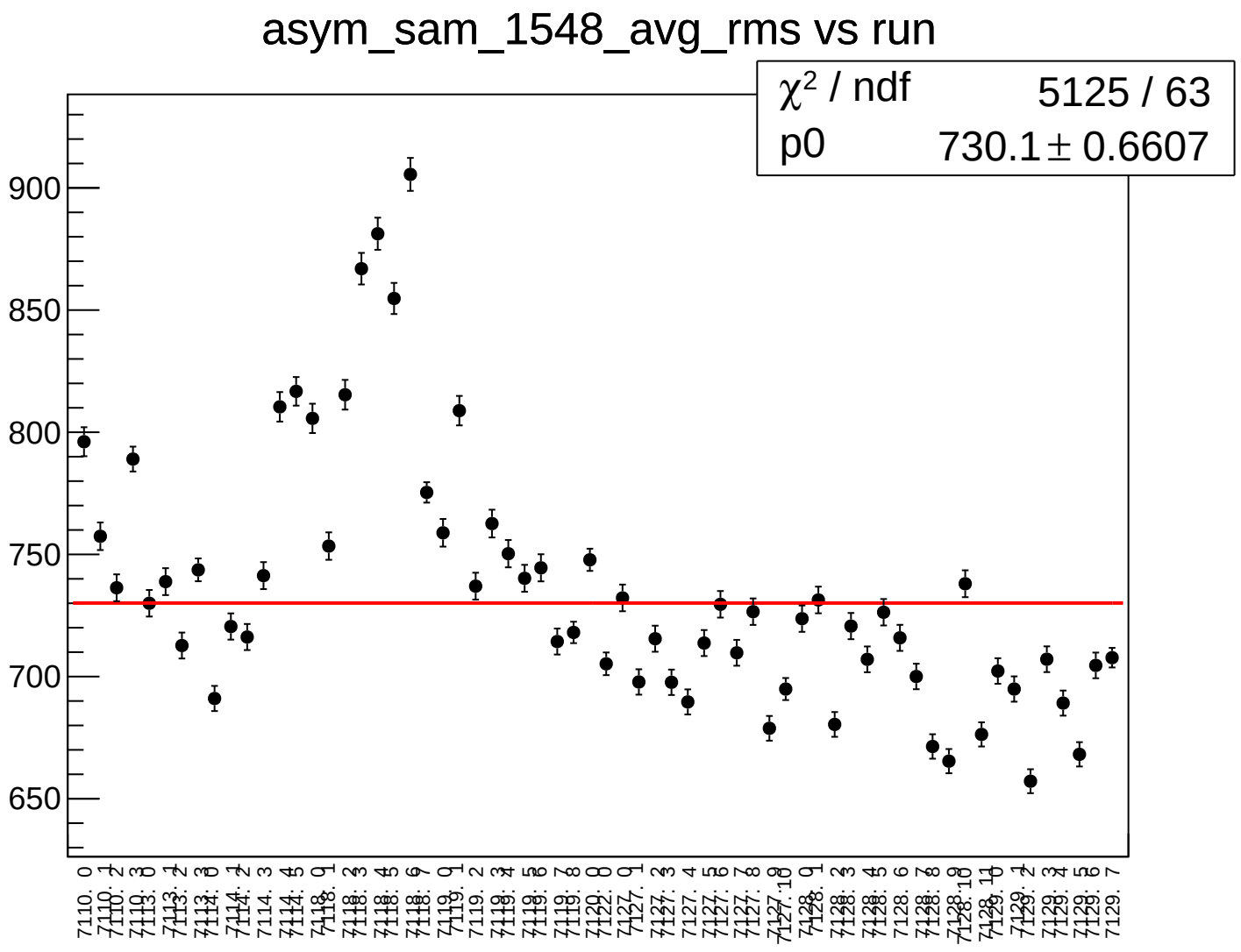

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 60.06 / 63
p0 −1699 ± 957
pull
Entries 64
Mean 3204
Std Dev 0

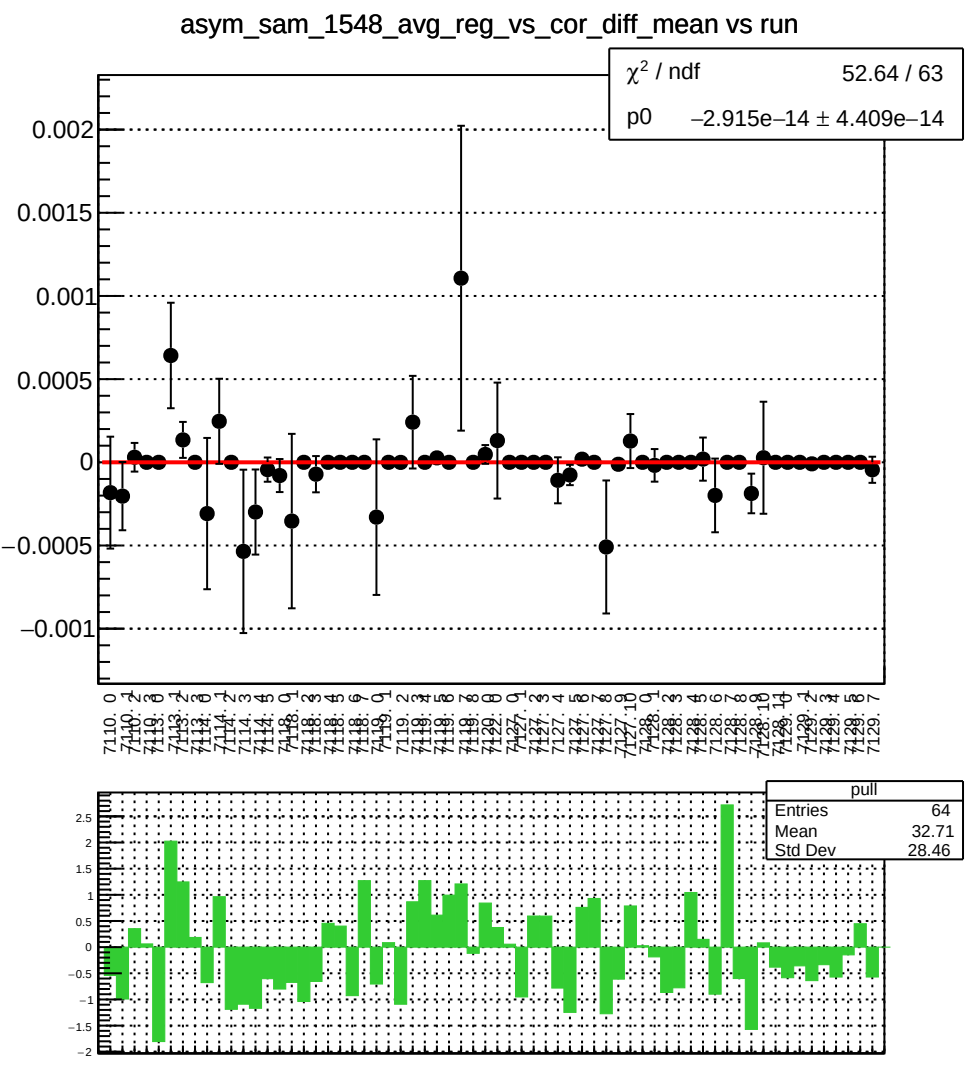

pull1D
Entries 64
Mean −0.0012
Std Dev 0.9687

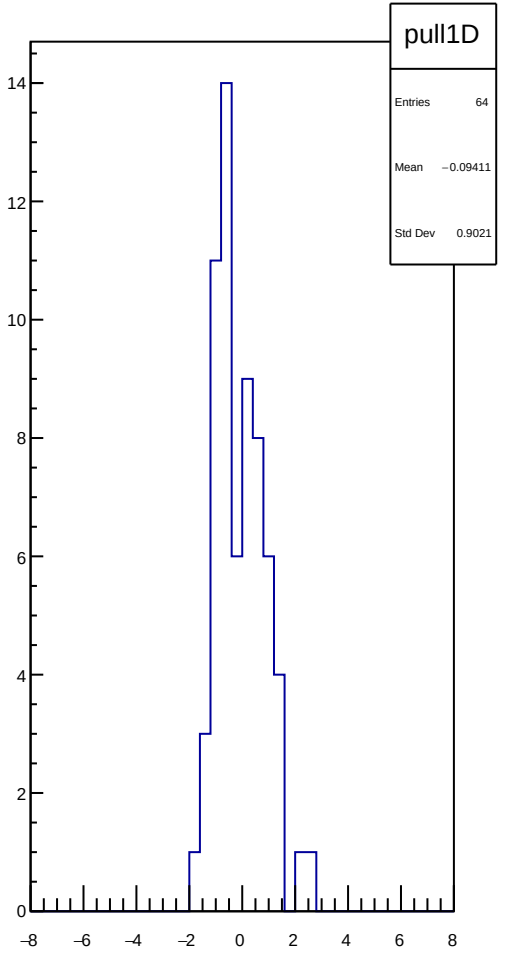

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 3303 / 63
p0 748.3 ± 0.6767
850
800
750
700
650

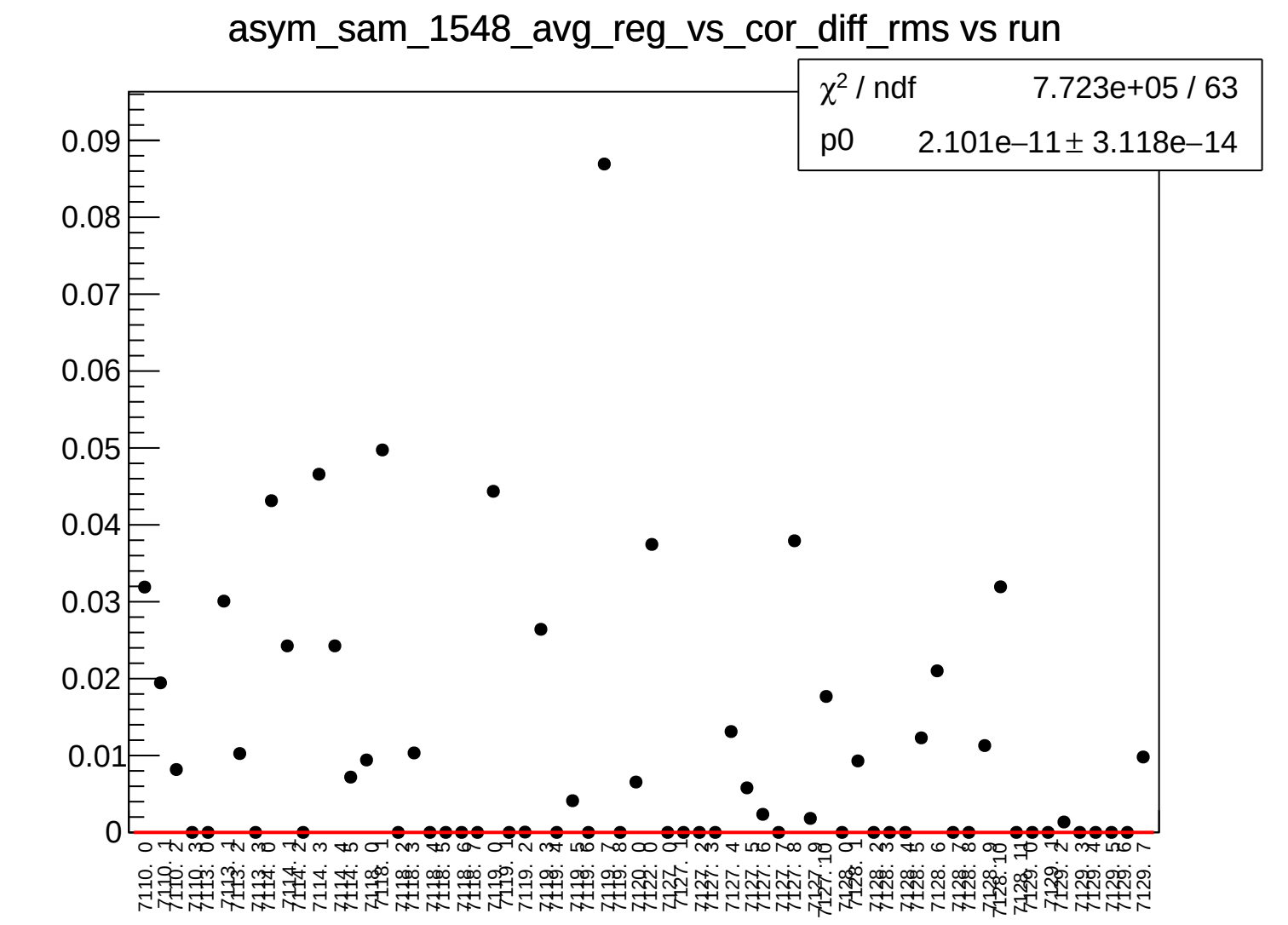

asym_sam_1548_avg_mean vs run
χ² / ndf 59.11 / 63
p0 1775 ± 934.4
pull
Entries 64
Mean −589.2
Std Dev 0

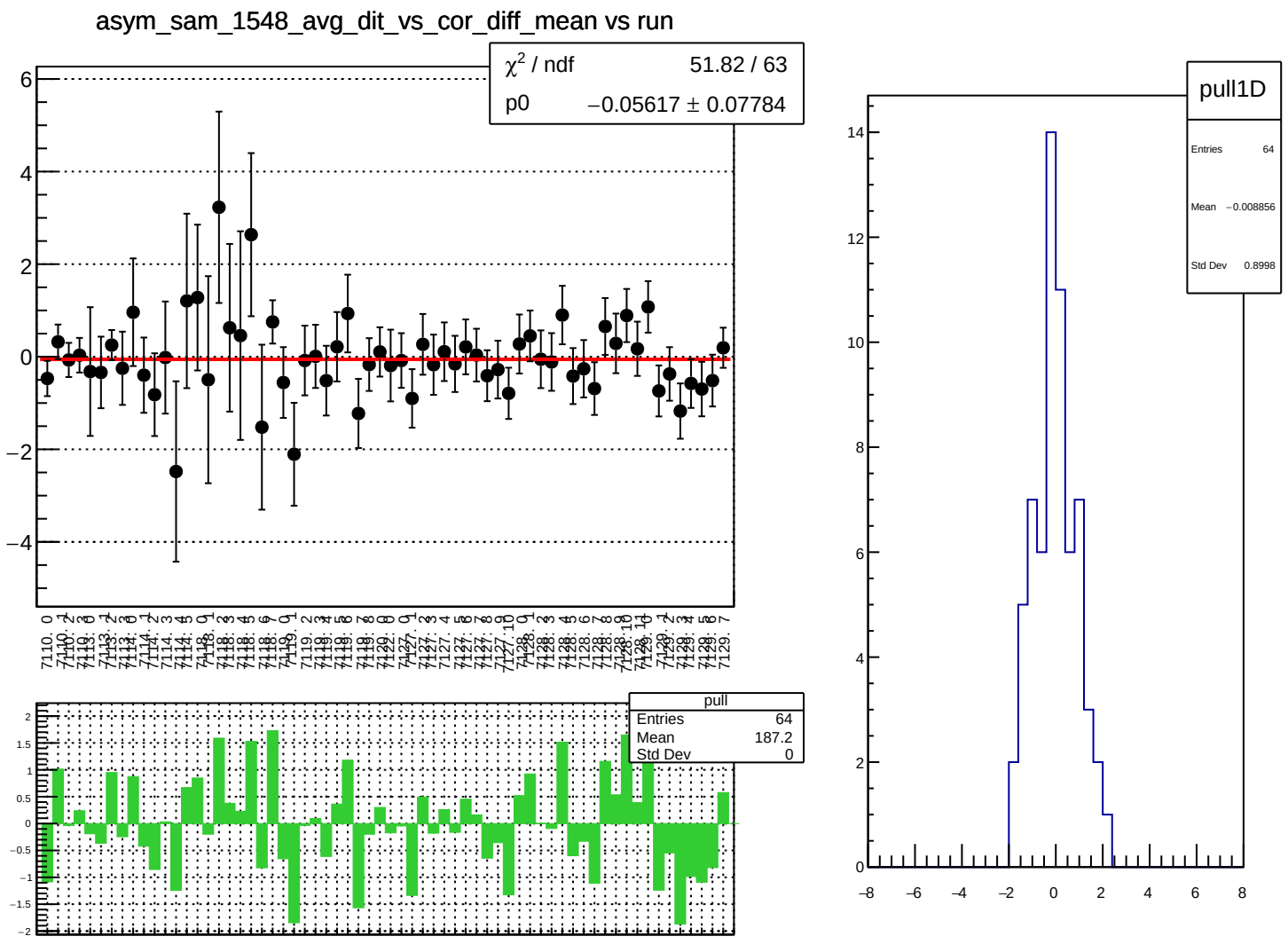

pull1D
Entries 64
Mean −0.005262
Std Dev 0.961

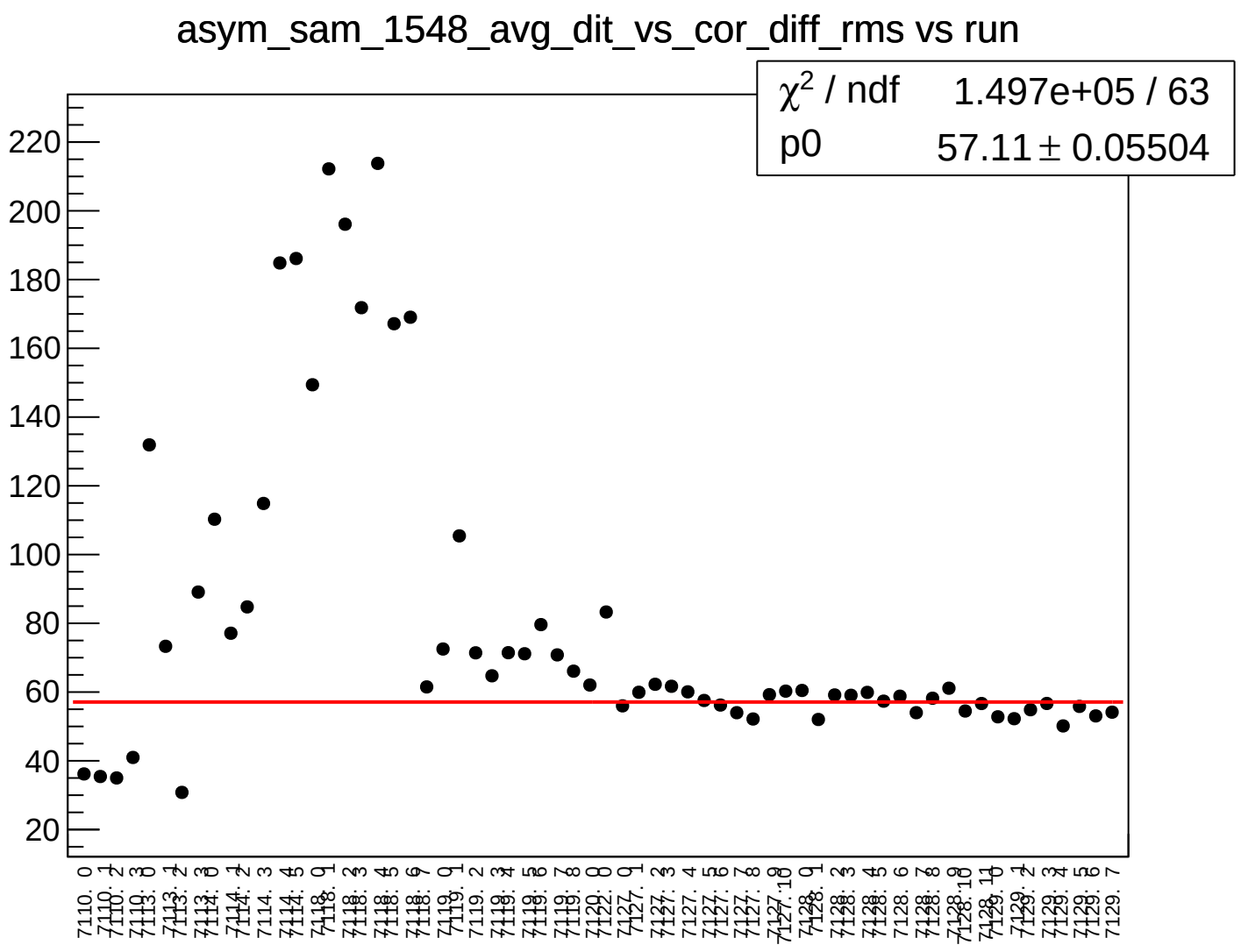

asym_sam_1548_avg_rms vs run
χ² / ndf 5125 / 63
p0 730.1 ± 0.6607
900
850
800
750
700
650

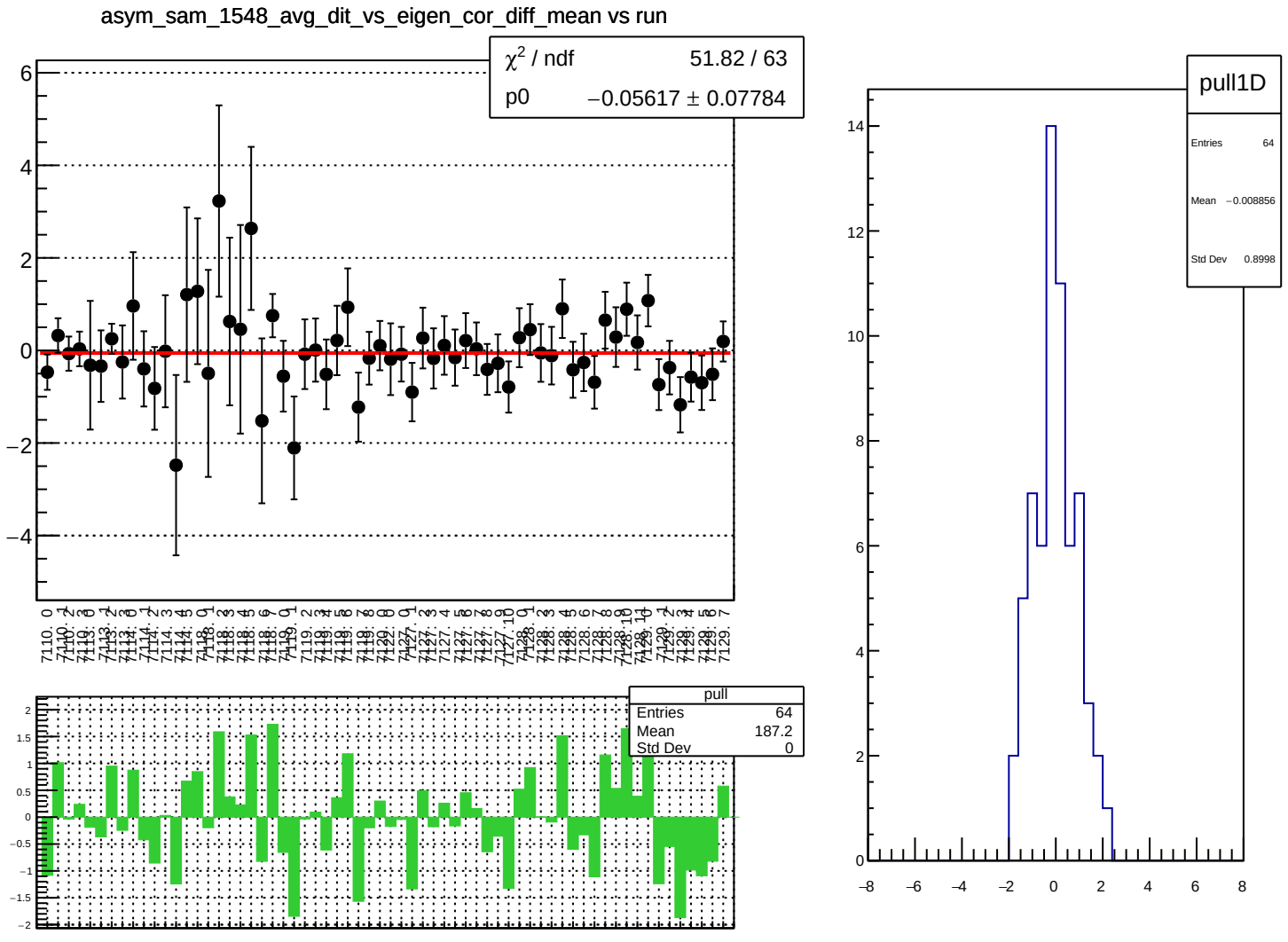

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.64 / 63
p0 −2.915e−14 ± 4.409e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 32.71
Std Dev 28.46
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

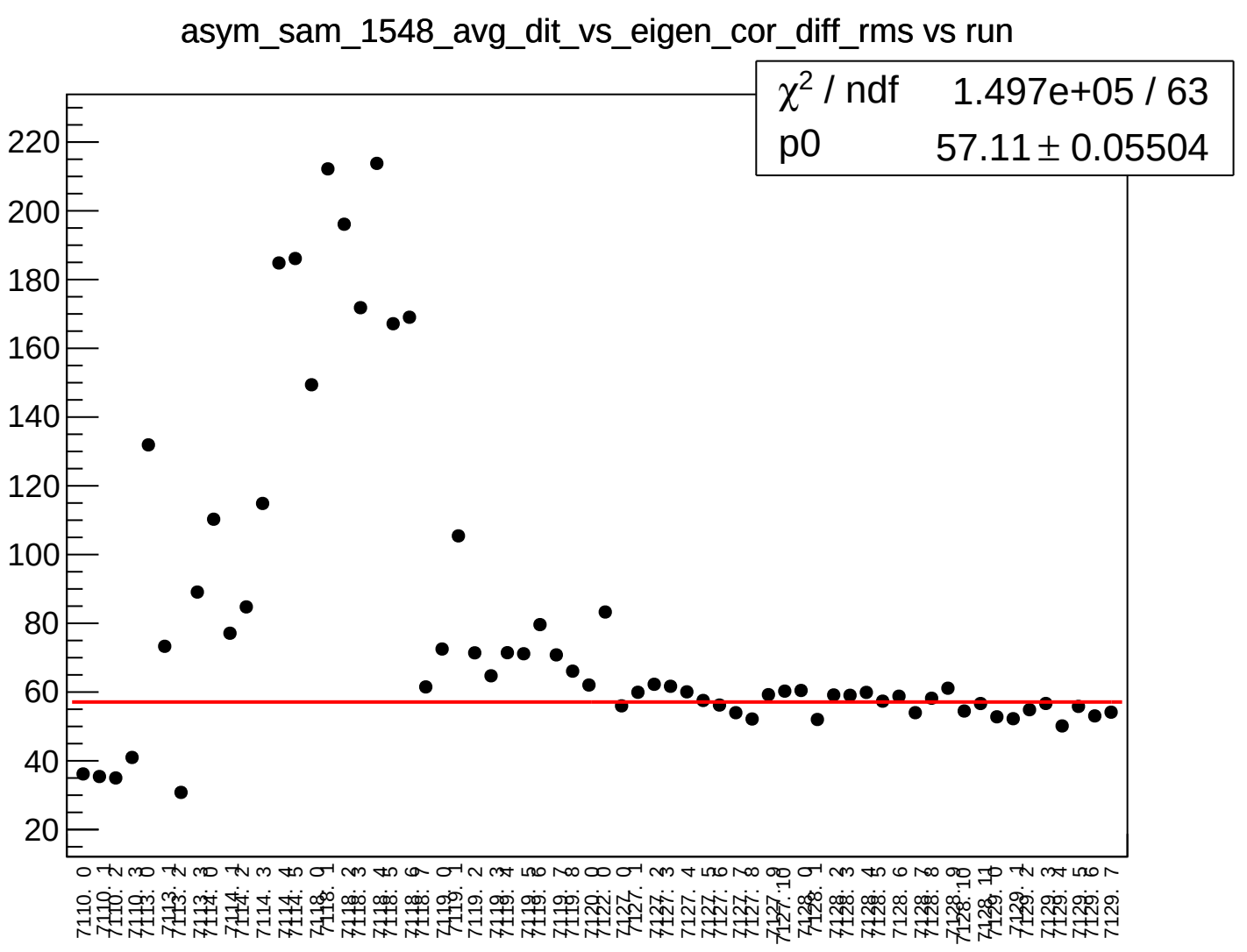

pull1D
Entries 64
Mean −0.09411
Std Dev 0.9021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

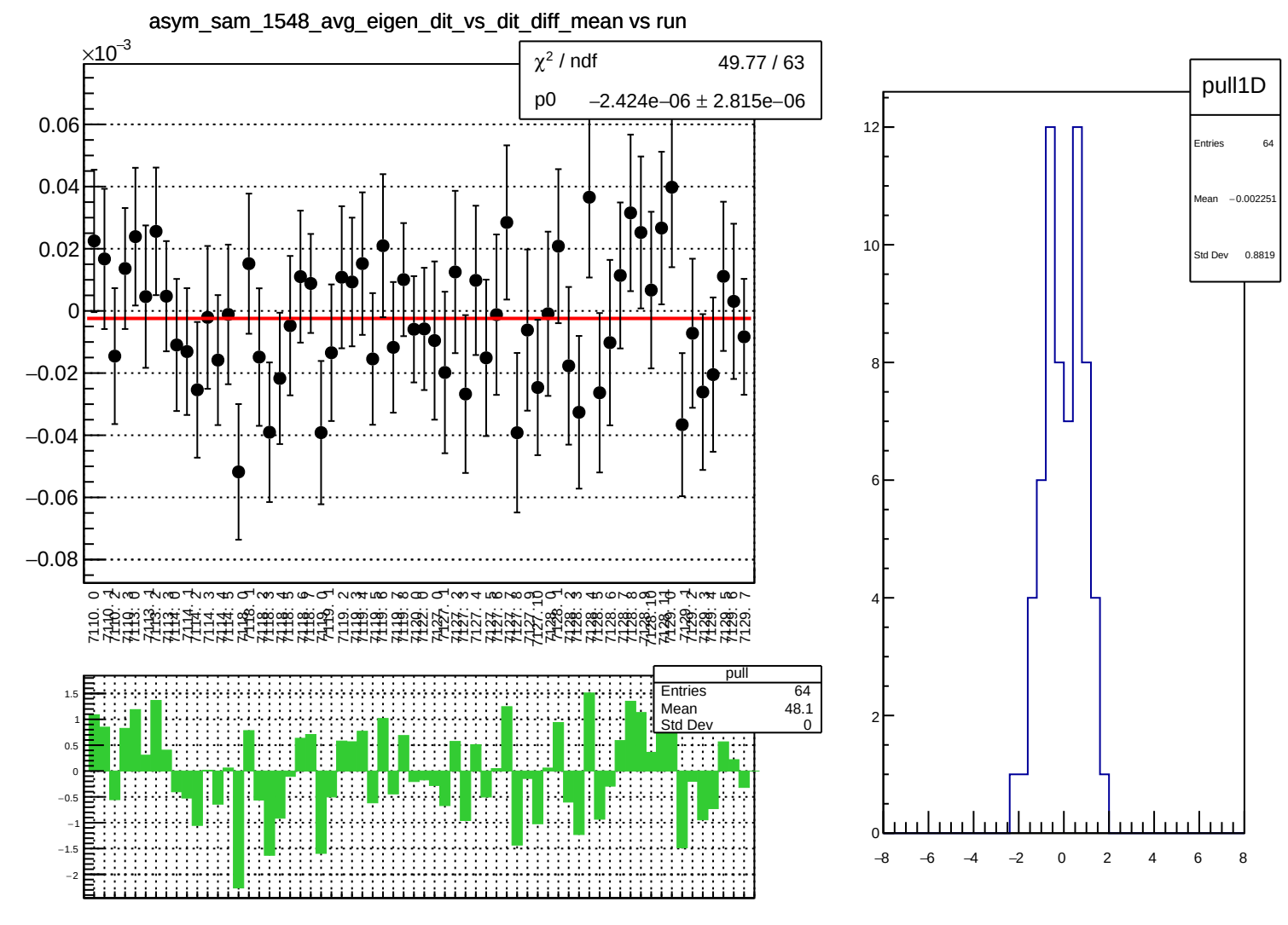

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.723e+05 / 63
p0 2.101e−11 ± 3.118e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

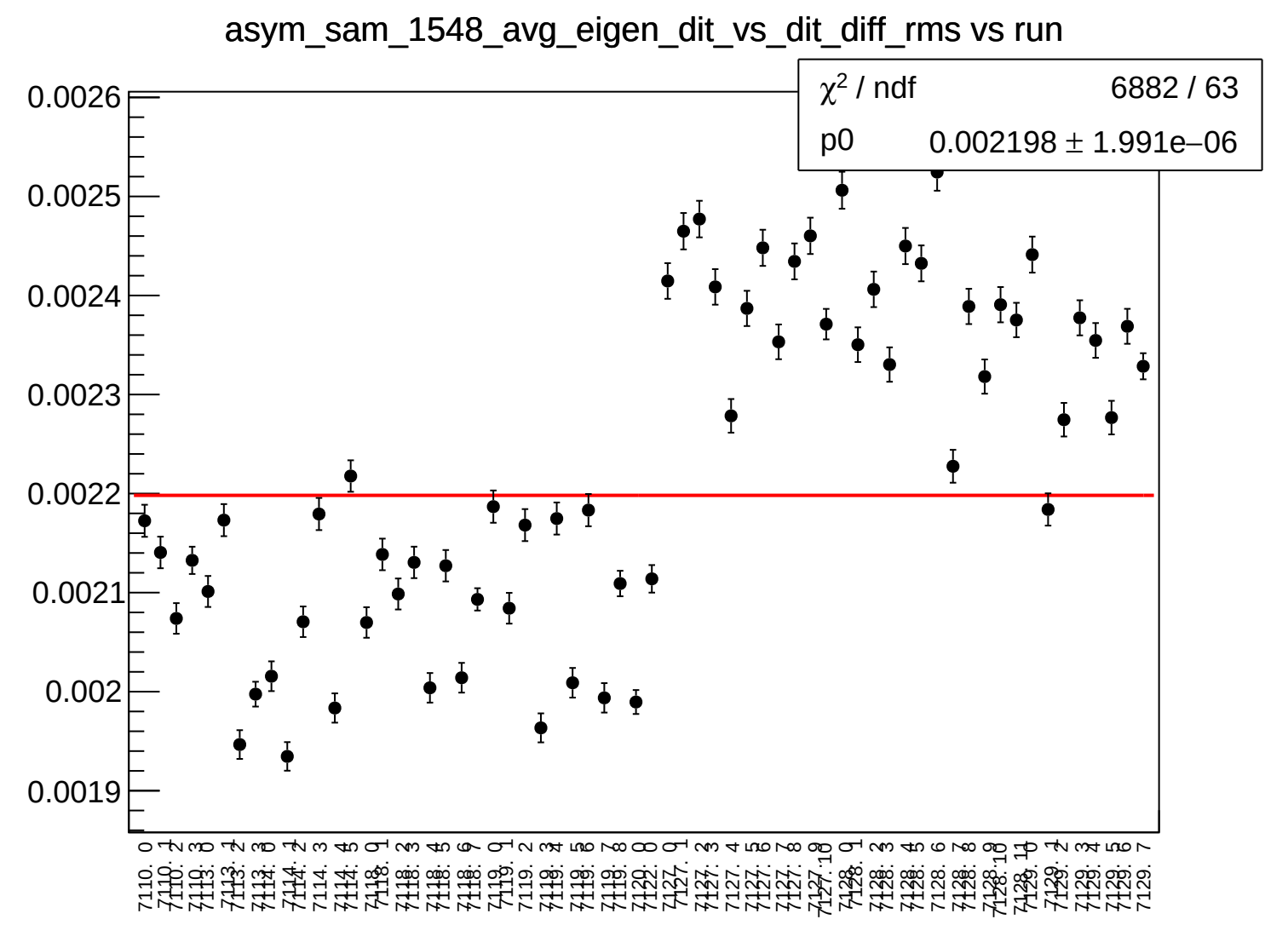

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.82 / 63
p0 −0.05617 ± 0.07784
pull
Entries 64
Mean 187.2
Std Dev 0
pull1D
Entries 64
Mean −0.008856
Std Dev 0.8998

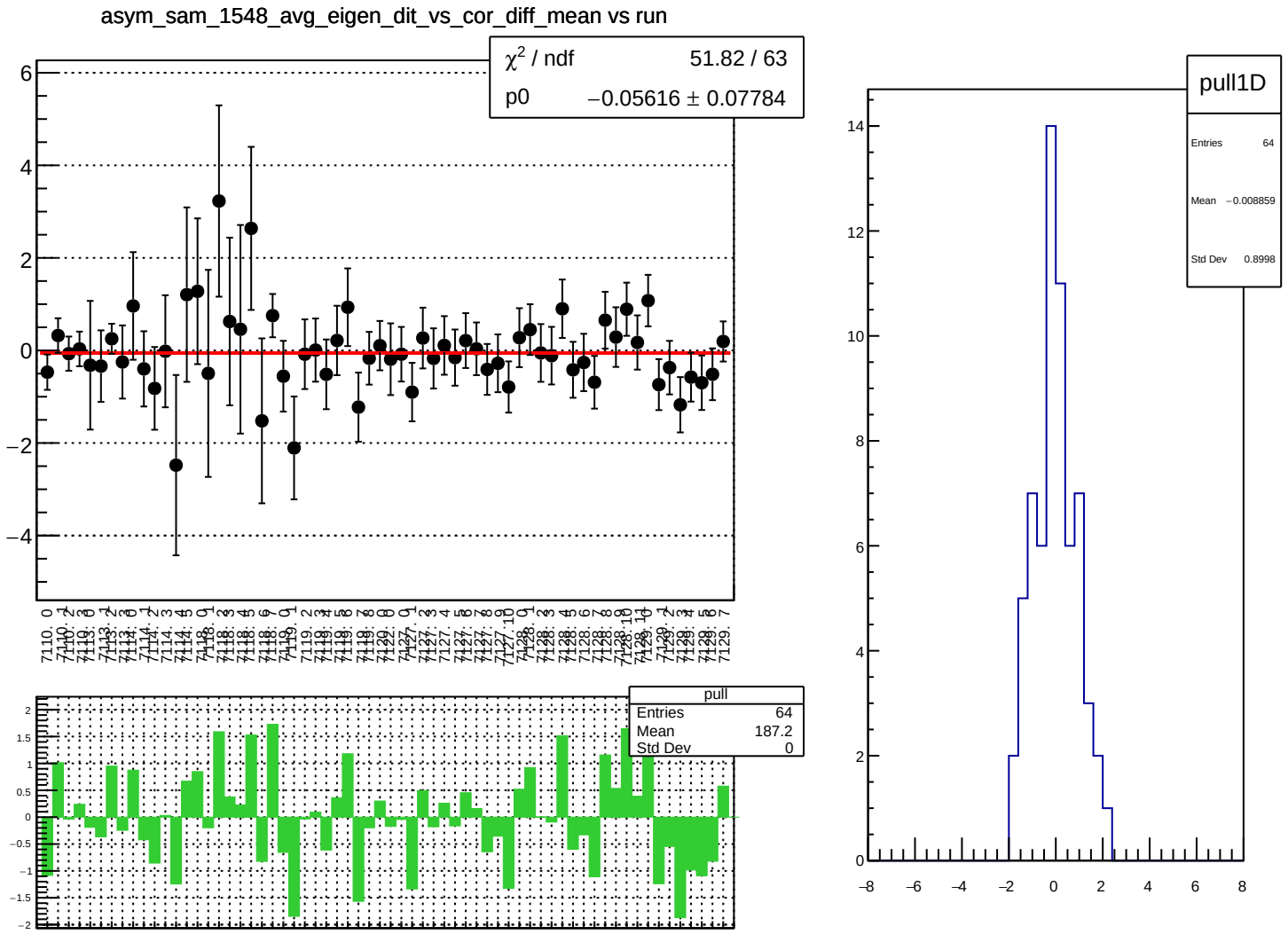

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.497e+05 / 63
p0 57.11 ± 0.05504
220
200
180
160
140
120
100
80
60
40
20

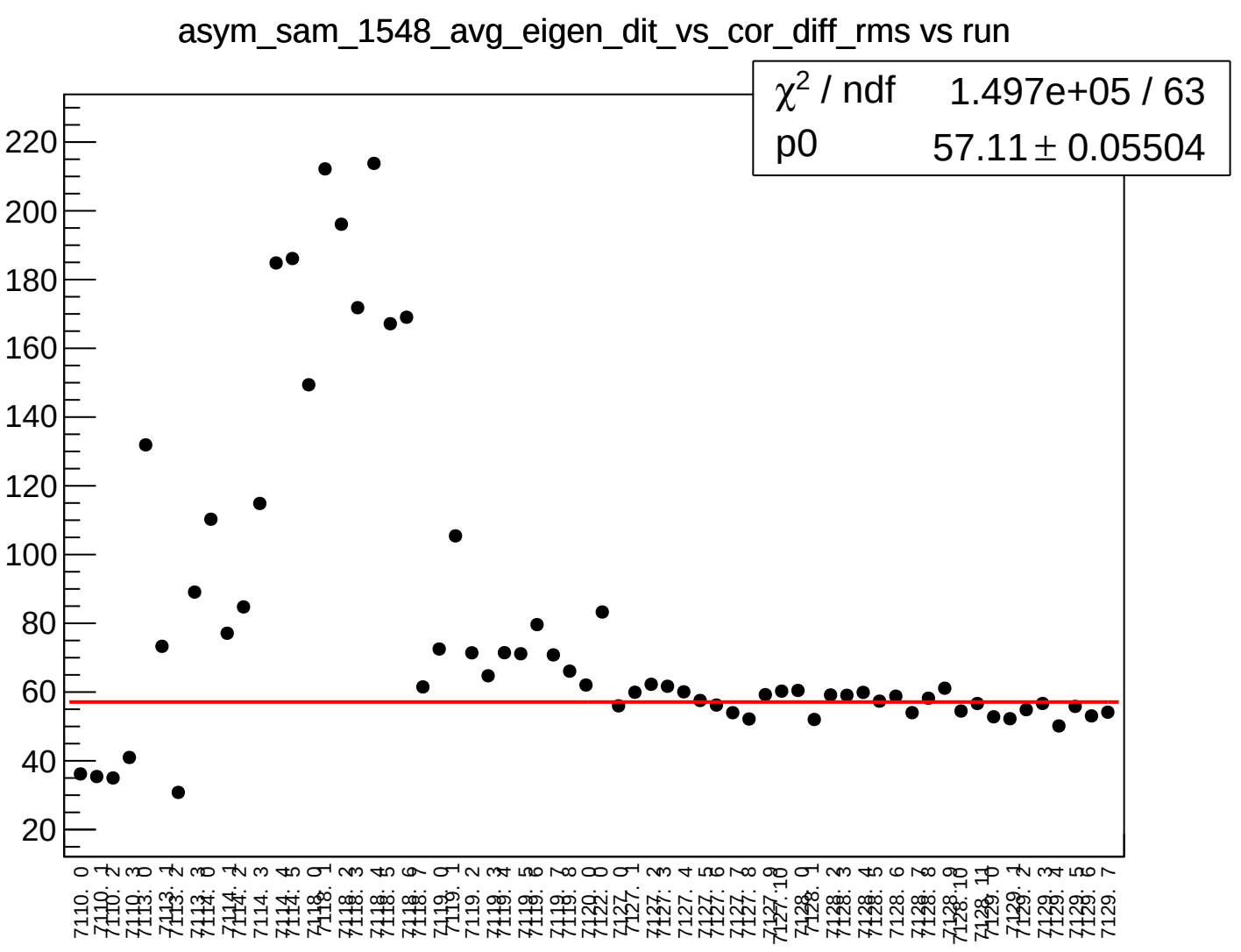

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.82 / 63
p0 −0.05617 ± 0.07784
pull
Entries 64
Mean 187.2
Std Dev 0
pull1D
Entries 64
Mean −0.008856
Std Dev 0.8998

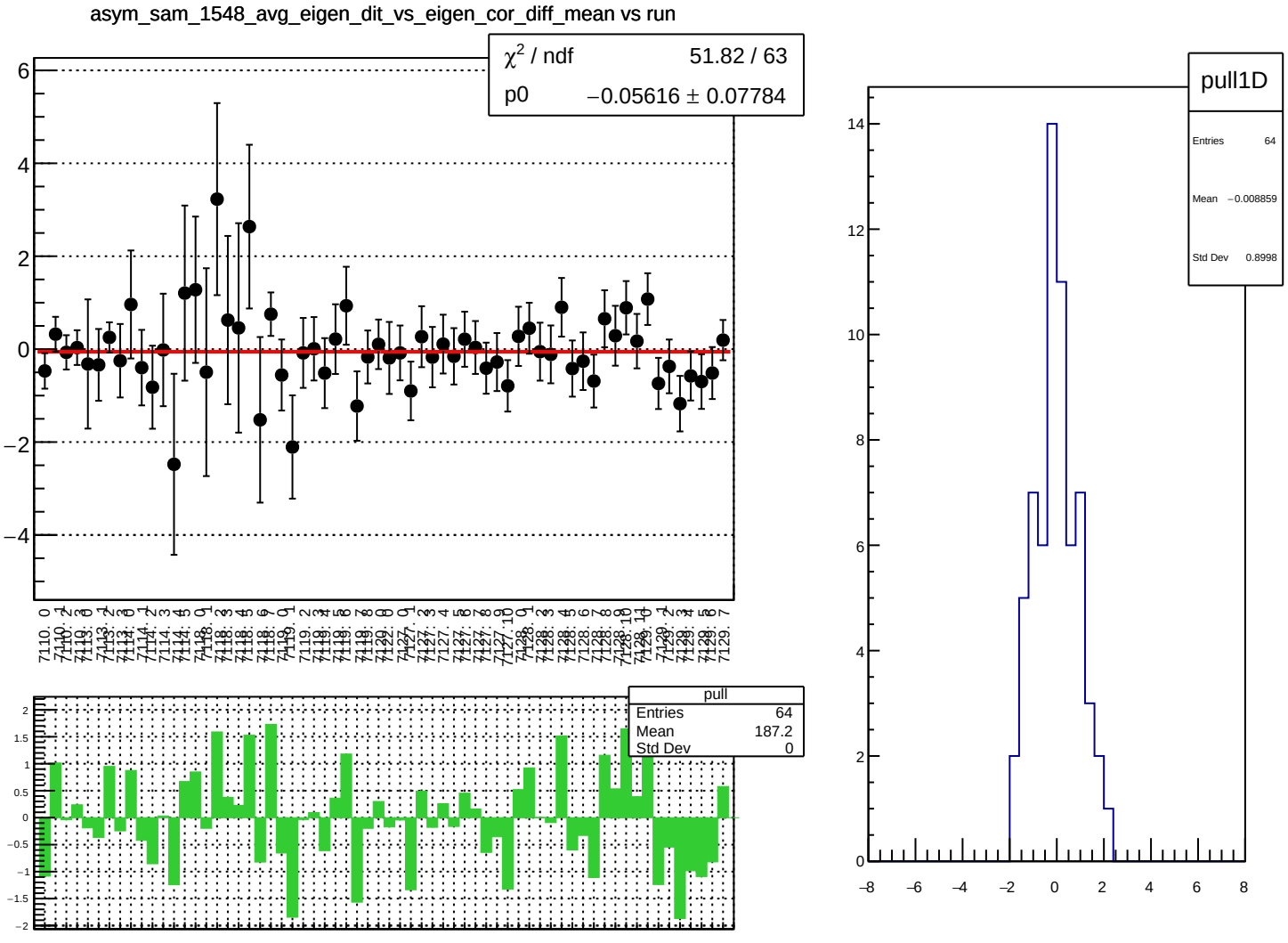

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.497e+05 / 63
p0 57.11 ± 0.05504
220
200
180
160
140
120
100
80
60
40
20

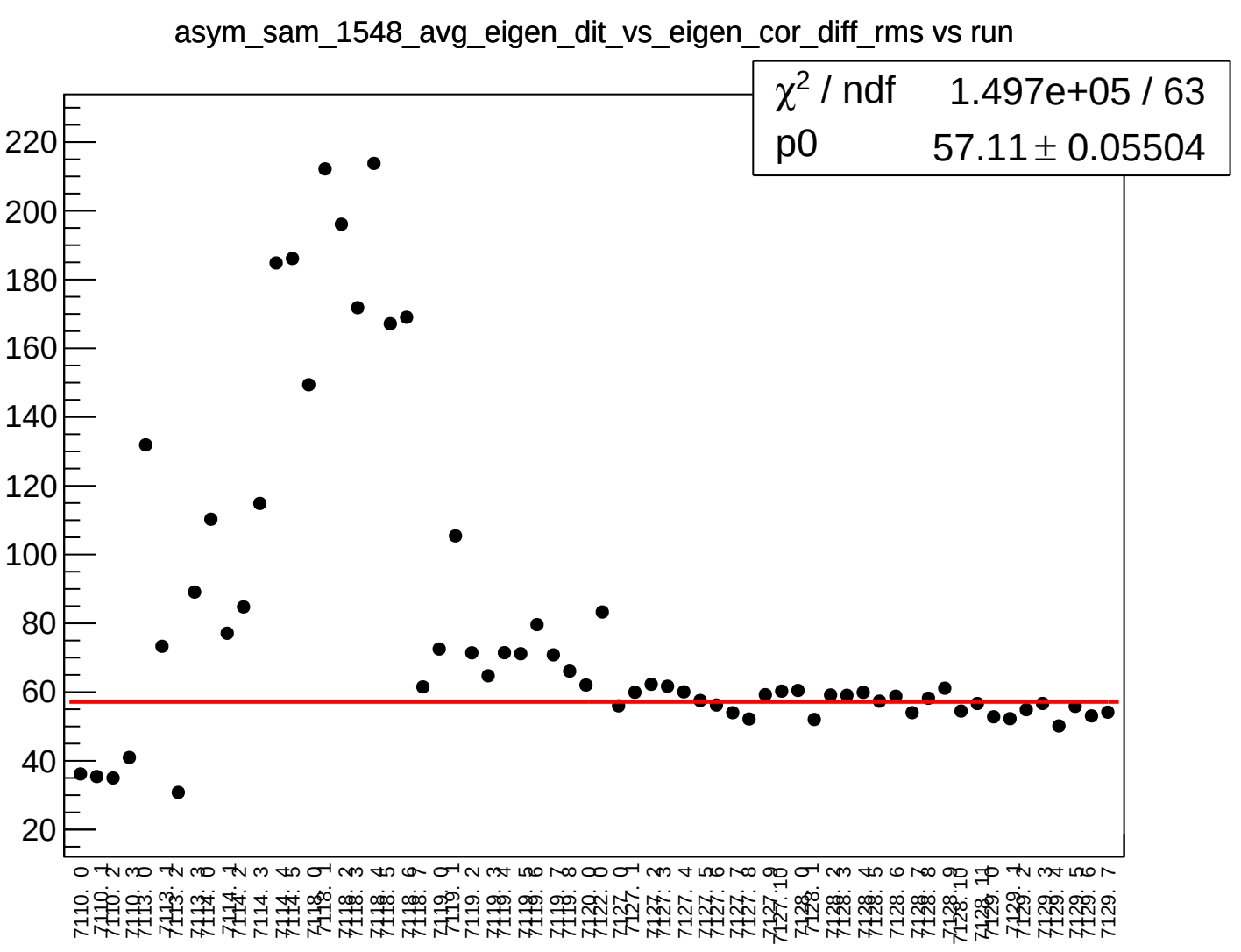

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.77 / 63
p0 −2.424e−06 ± 2.815e−06
pull
Entries 64
Mean 48.1
Std Dev 0
pull1D
Entries 64
Mean −0.002251
Std Dev 0.8819

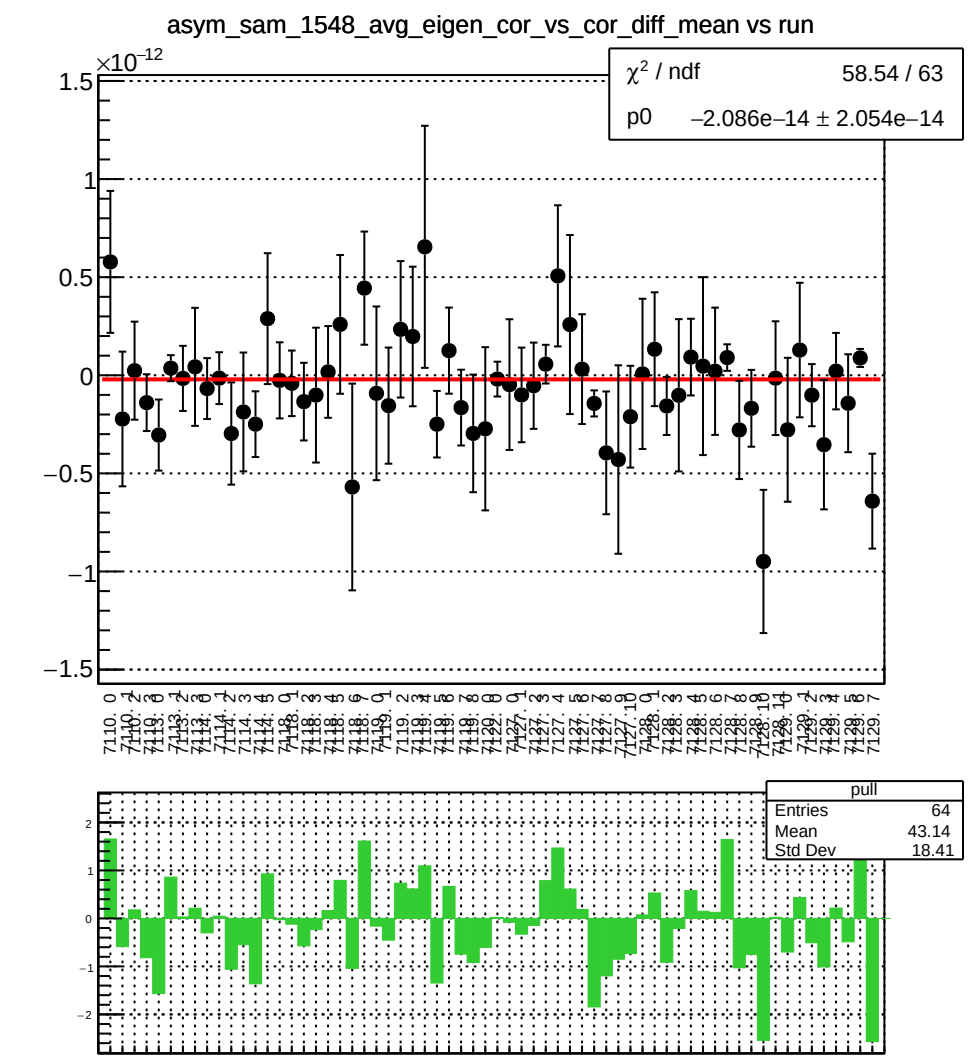

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6882 / 63
p0 0.002198 ± 1.991e−06
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019

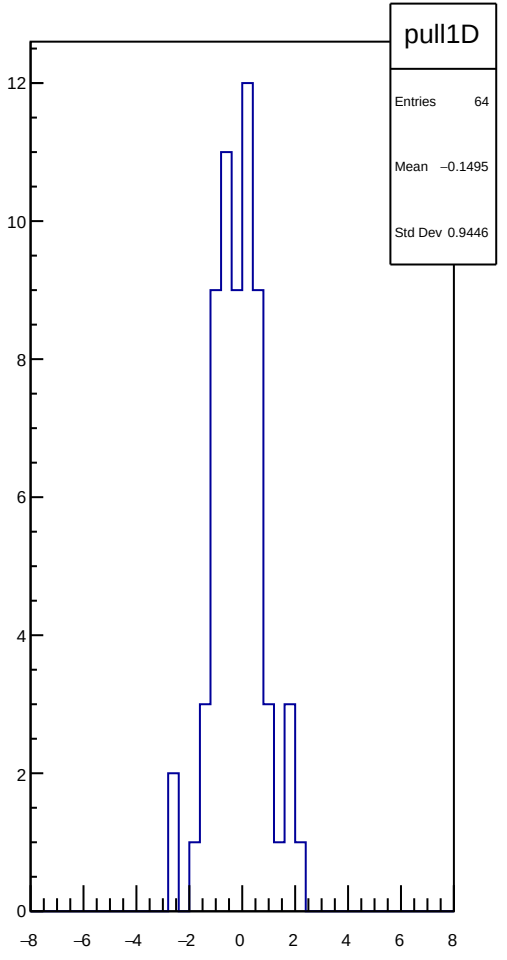

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.82 / 63
p0 −0.05616 ± 0.07784
pull
Entries 64
Mean 187.2
Std Dev 0
pull1D
Entries 64
Mean −0.008859
Std Dev 0.8998

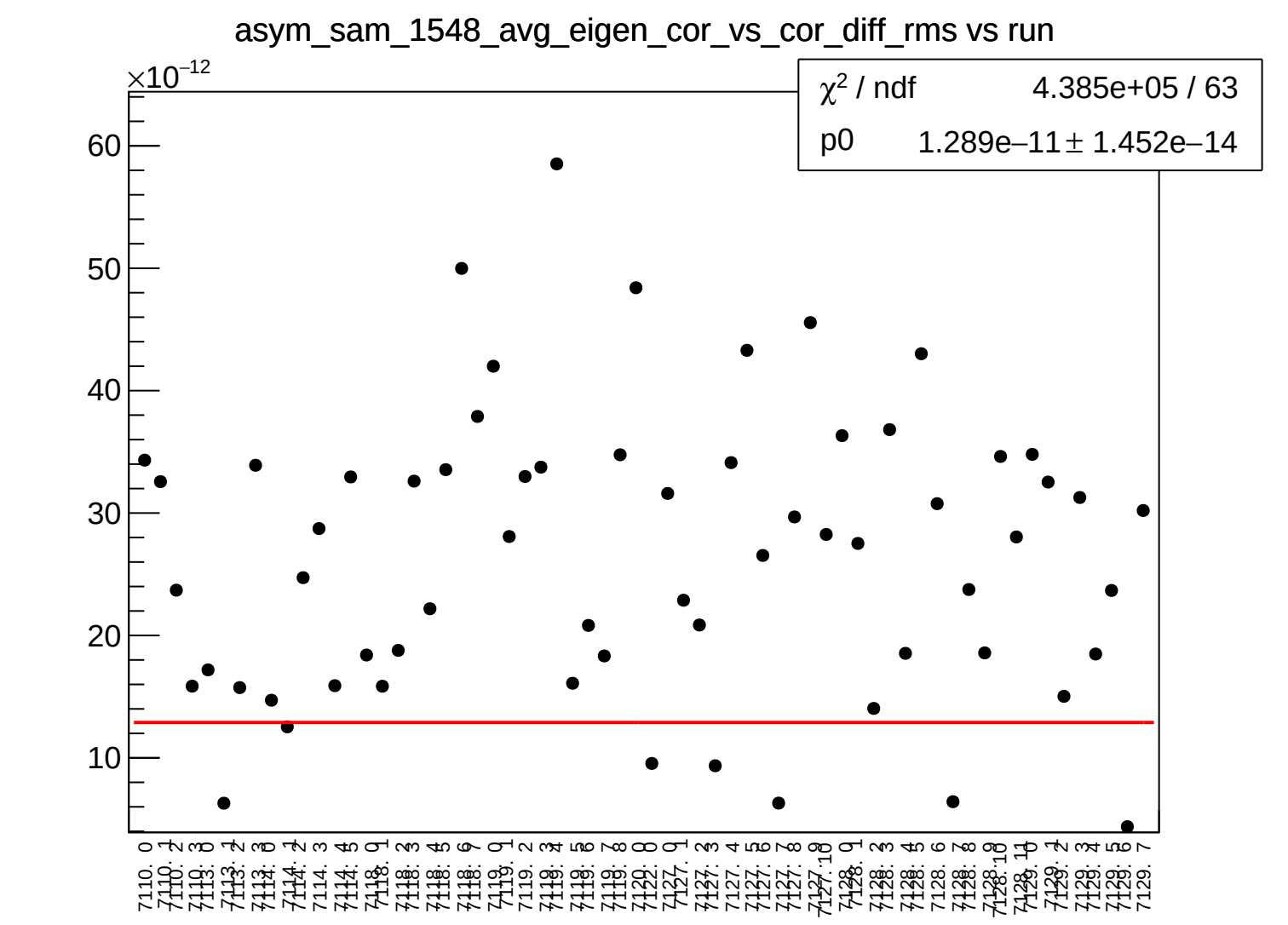

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.497e+05 / 63
p0 57.11 ± 0.05504
220
200
180
160
140
120
100
80
60
40
20

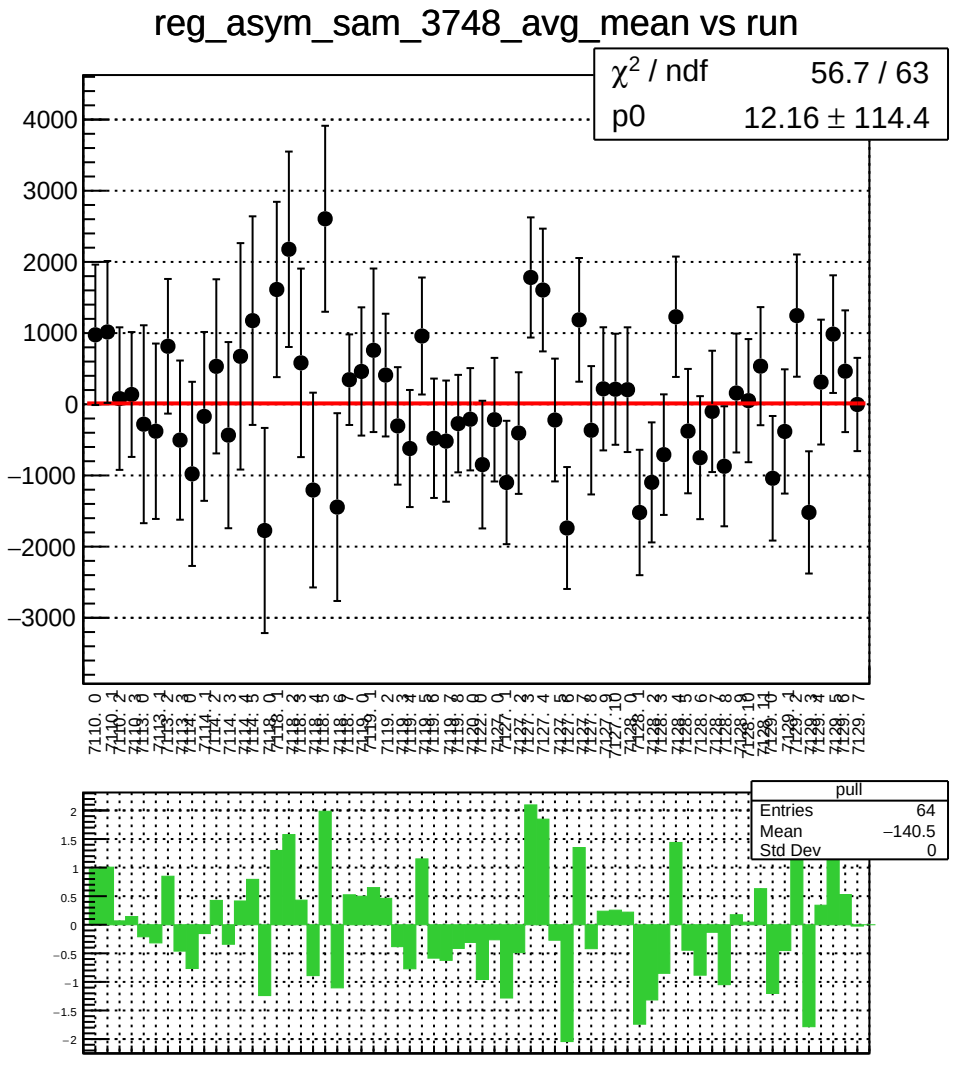

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.82 / 63
p0 −0.05616 ± 0.07784
pull
Entries 64
Mean 187.2
Std Dev 0
pull1D
Entries 64
Mean −0.008859
Std Dev 0.8998

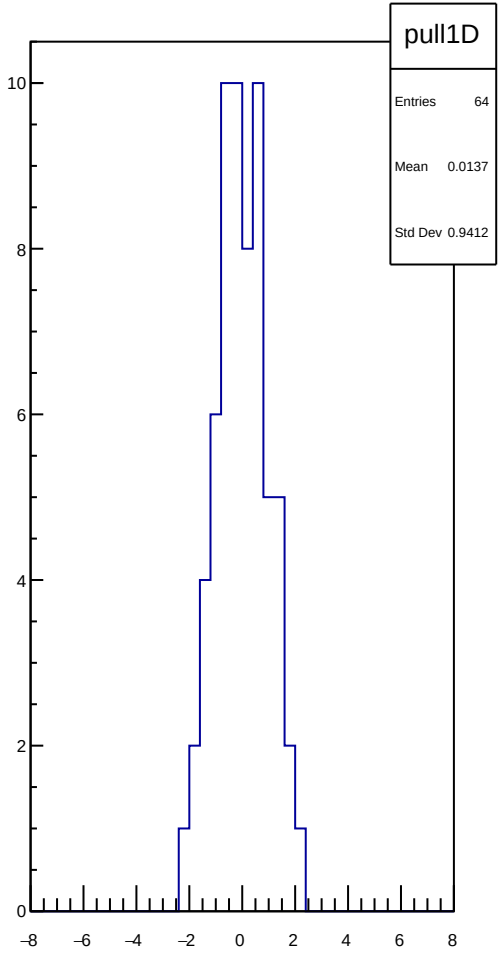

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.497e+05 / 63
p0 57.11 ± 0.05504
220
200
180
160
140
120
100
80
60
40
20

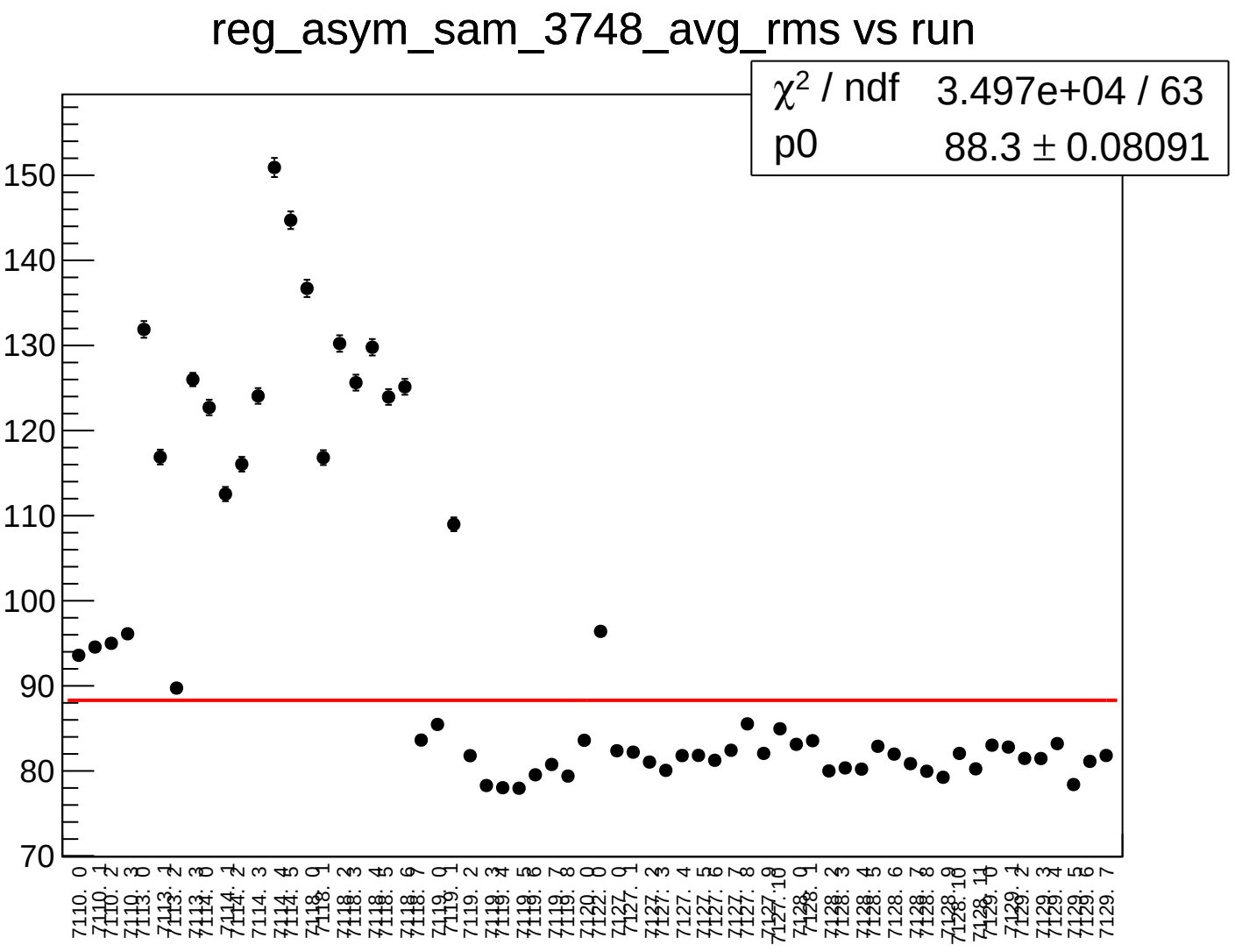

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.54 / 63
p0 −2.086e−14 ± 2.054e−14
pull
Entries 64
Mean 43.14
Std Dev 18.41

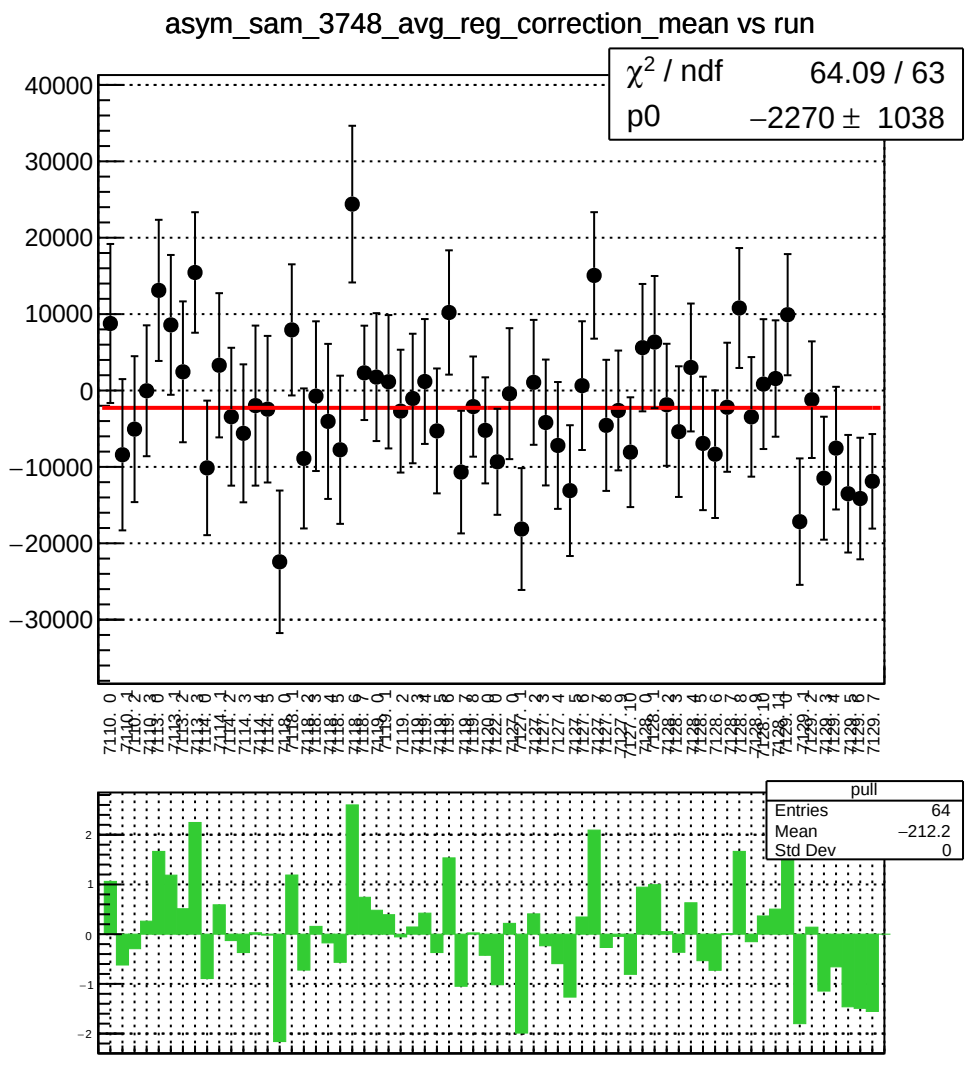

pull1D
Entries 64
Mean −0.1495
Std Dev 0.9446

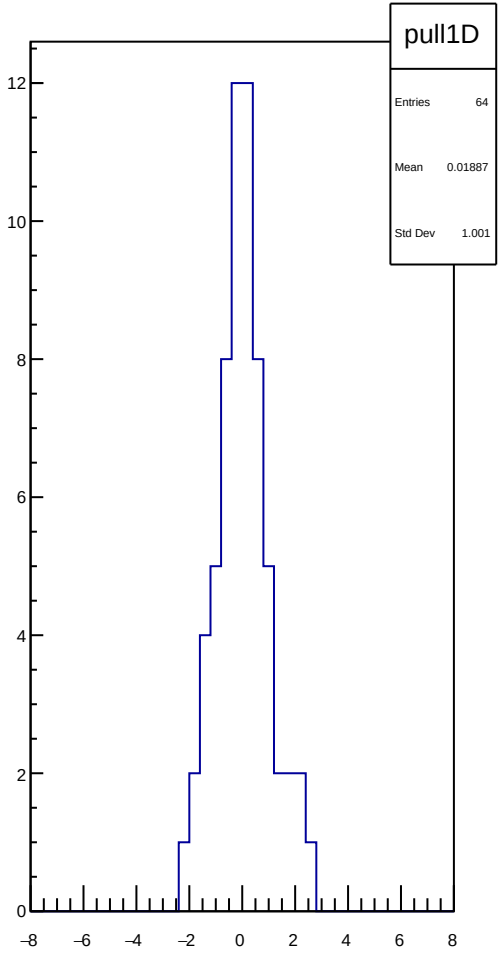

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.385e+05 / 63
p0 1.289e−11 ± 1.452e−14
60
50
40
30
20
10

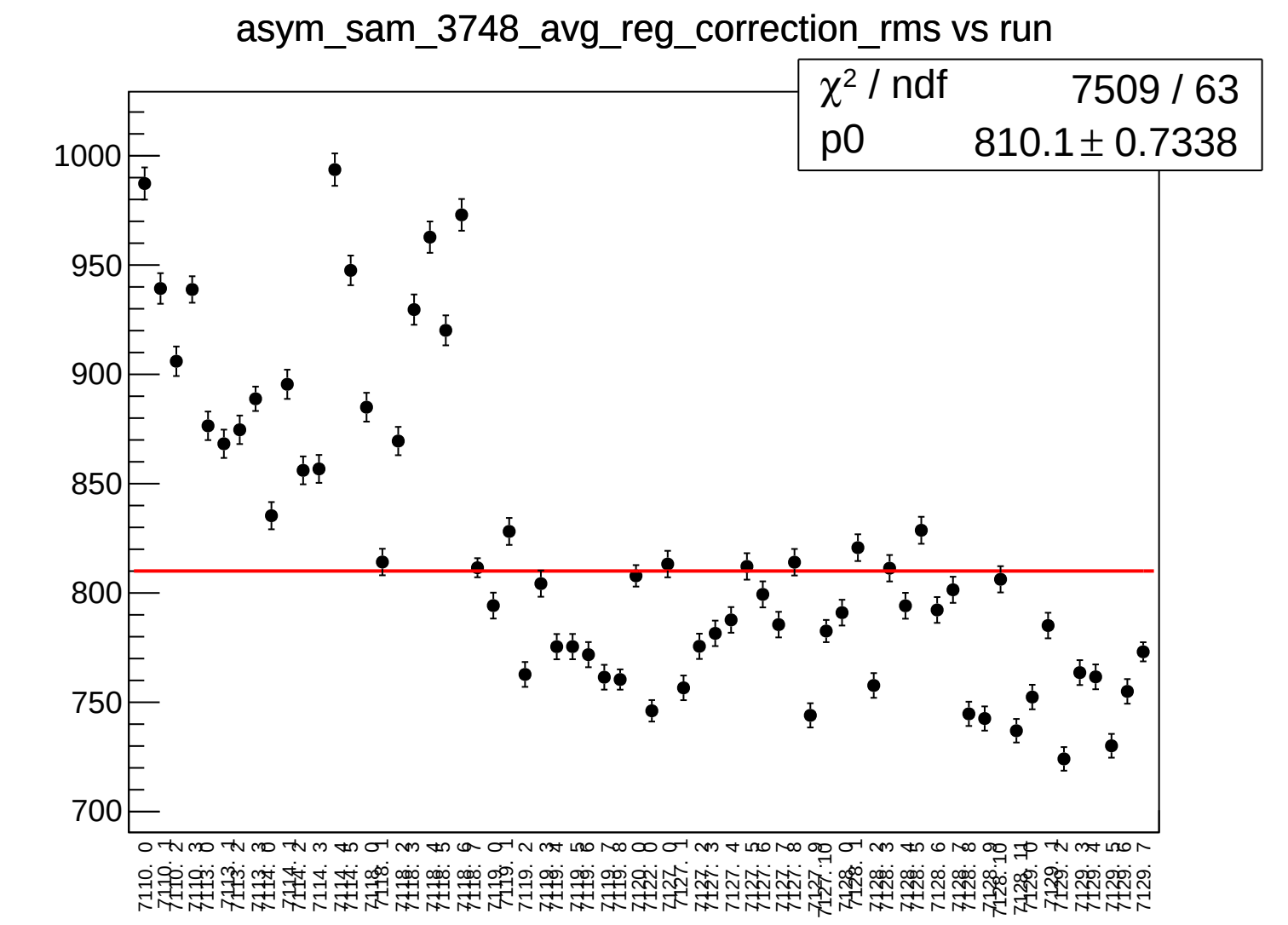

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 56.7 / 63
p0 12.16 ± 114.4
pull
Entries 64
Mean −140.5
Std Dev 0

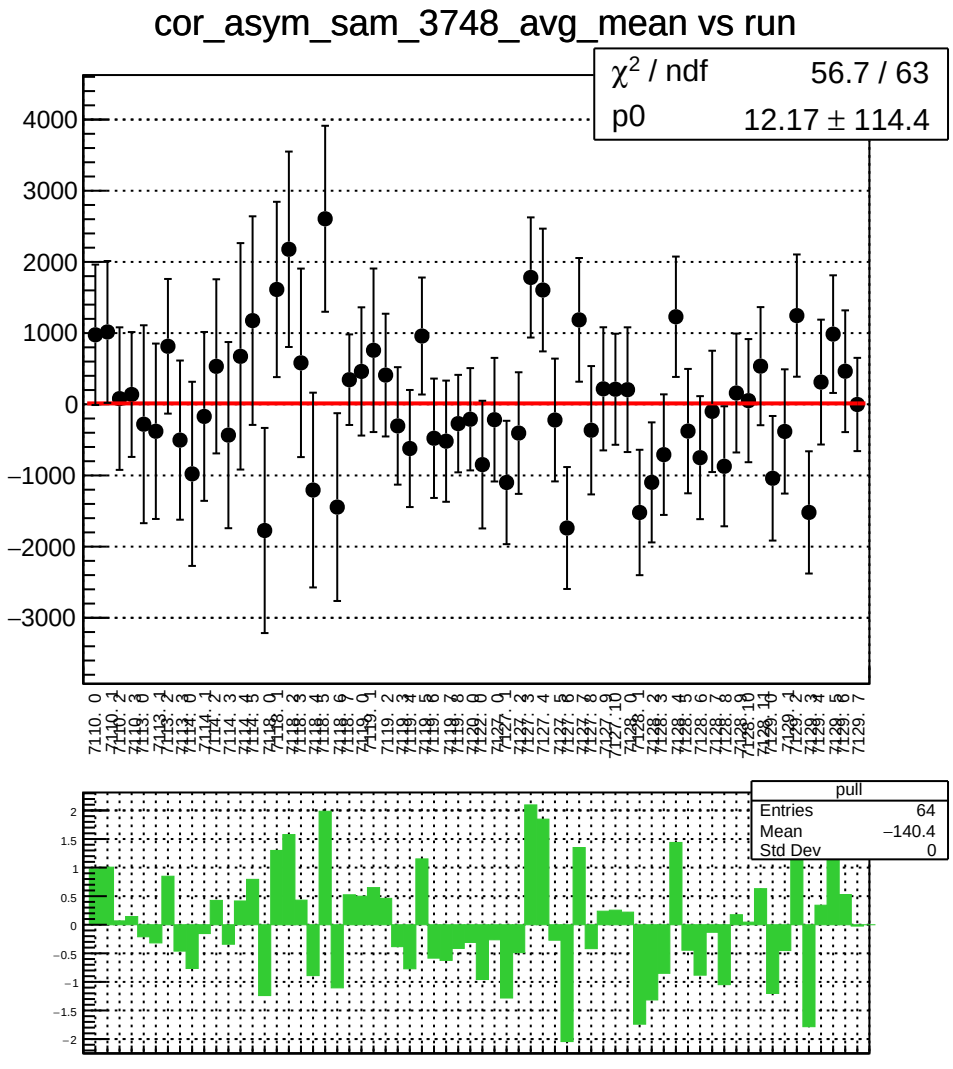

pull1D
Entries 64
Mean 0.0137
Std Dev 0.9412

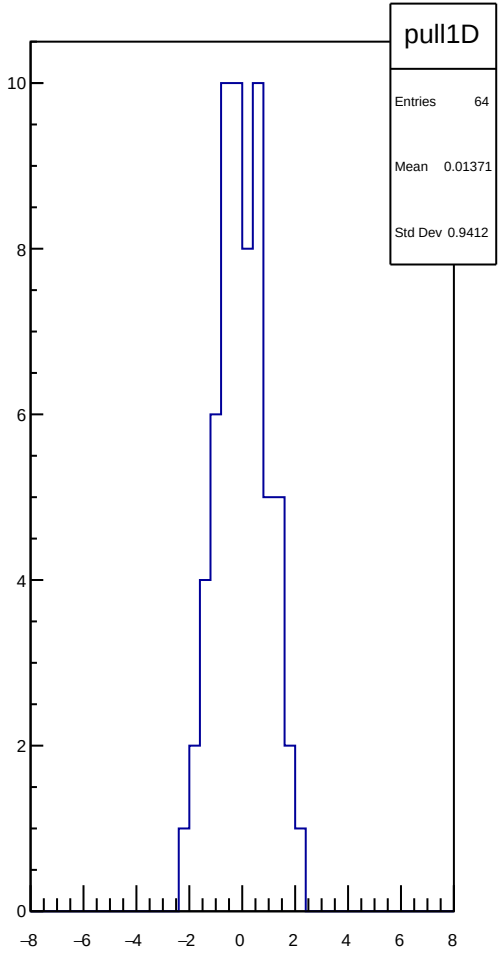

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 3.497e+04 / 63
p0 88.3 ± 0.08091
150
140
130
120
110
100
90
80
70

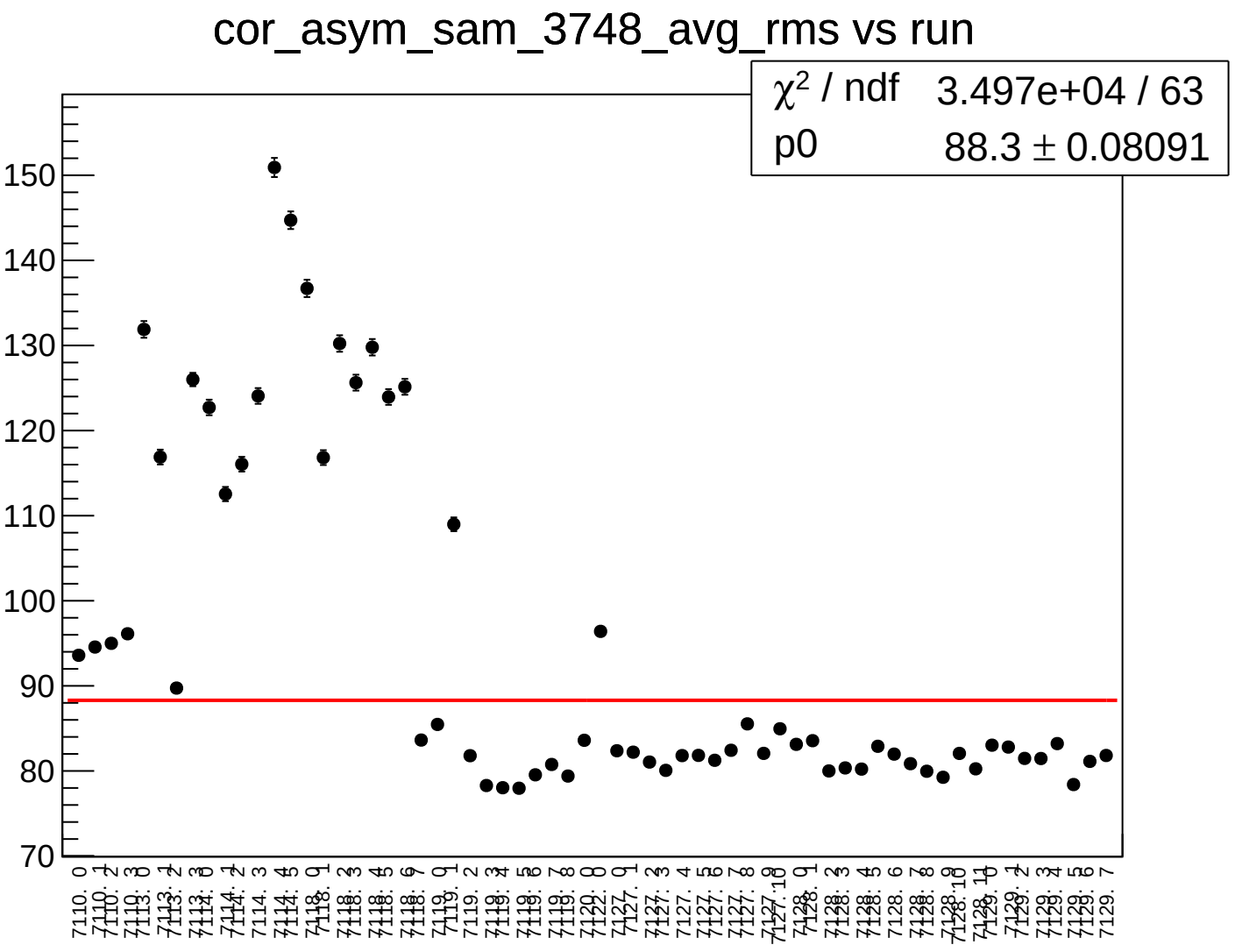

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 64.09 / 63
p0 −2270 ± 1038
pull
Entries 64
Mean −212.2
Std Dev 0

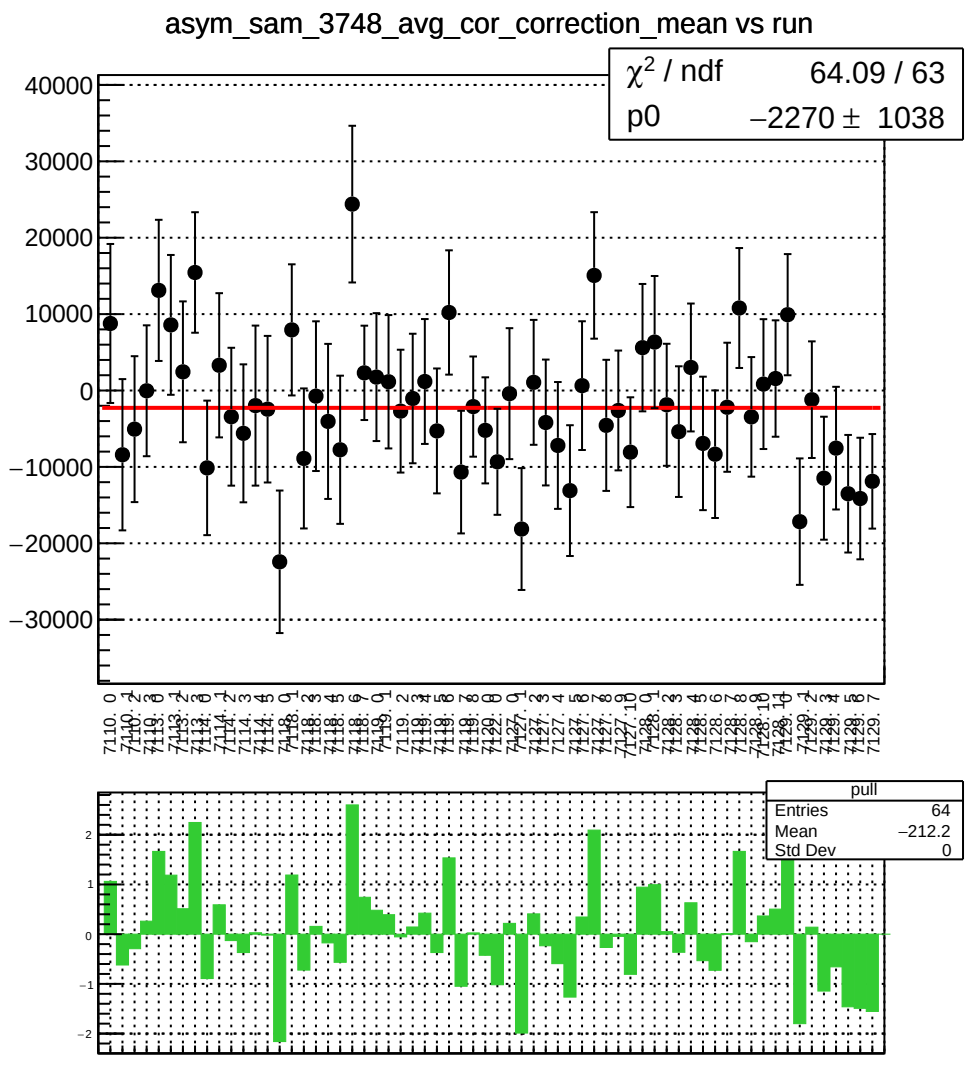

pull1D
Entries 64
Mean 0.01887
Std Dev 1.001

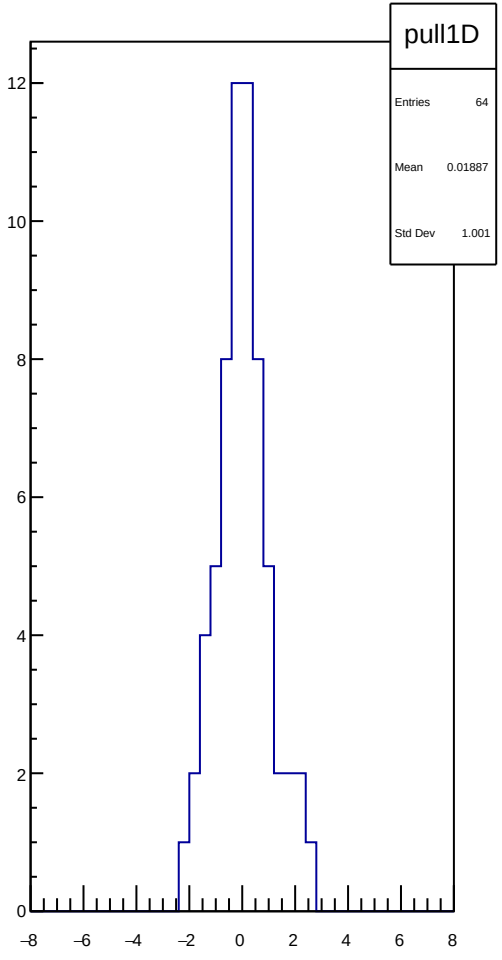

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 7509 / 63
p0 810.1 ± 0.7338
1000
950
900
850
800
750
700

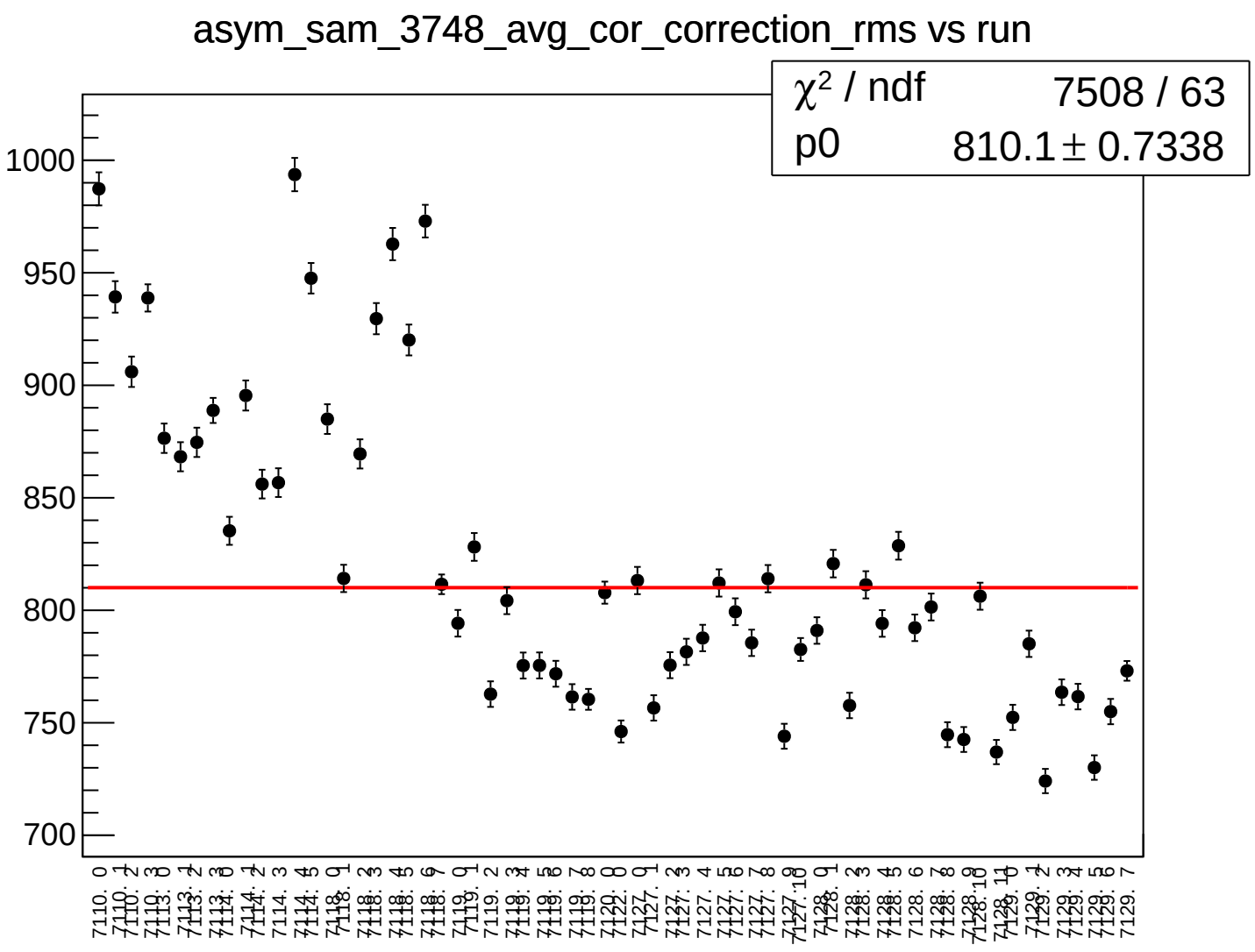

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 56.7 / 63
p0 12.17 ± 114.4
pull
Entries 64
Mean −140.4
Std Dev 0

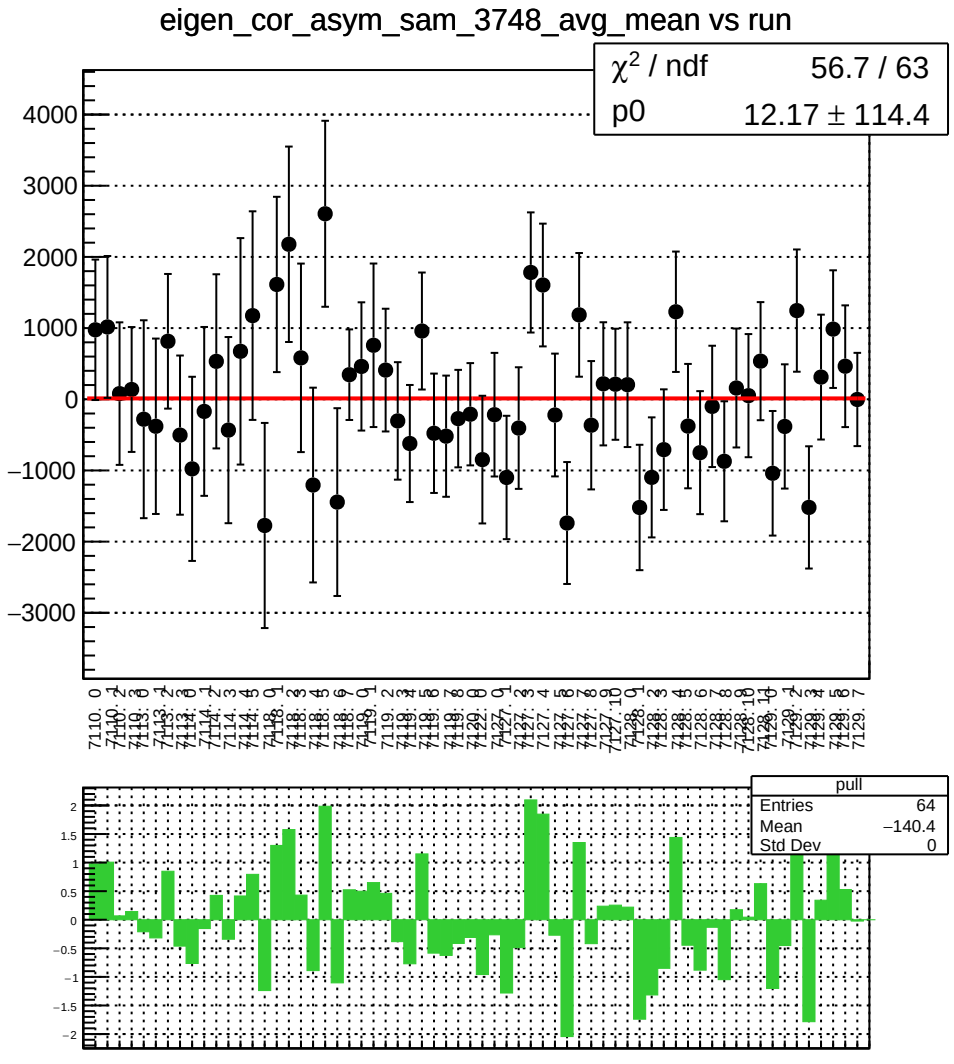

pull1D
Entries 64
Mean 0.01371
Std Dev 0.9412

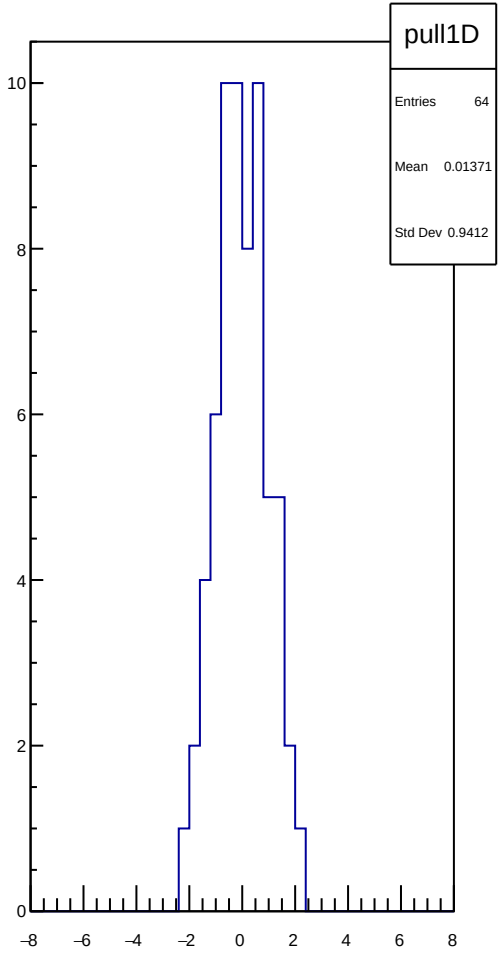

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 3.497e+04 / 63
p0 88.3 ± 0.08091
150
140
130
120
110
100
90
80
70

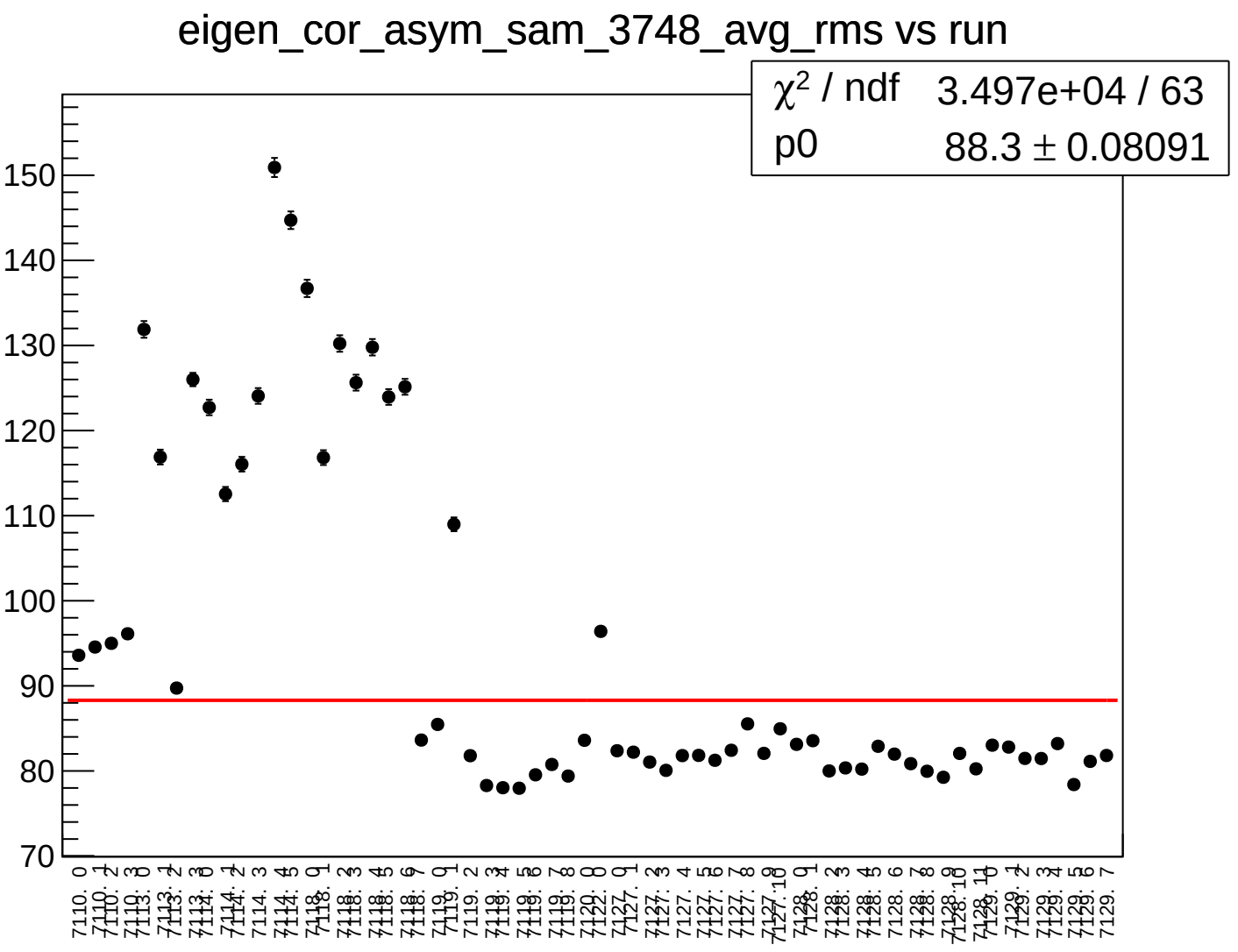

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 64.09 / 63
p0 −2270 ± 1038
pull
Entries 64
Mean −212.2
Std Dev 0

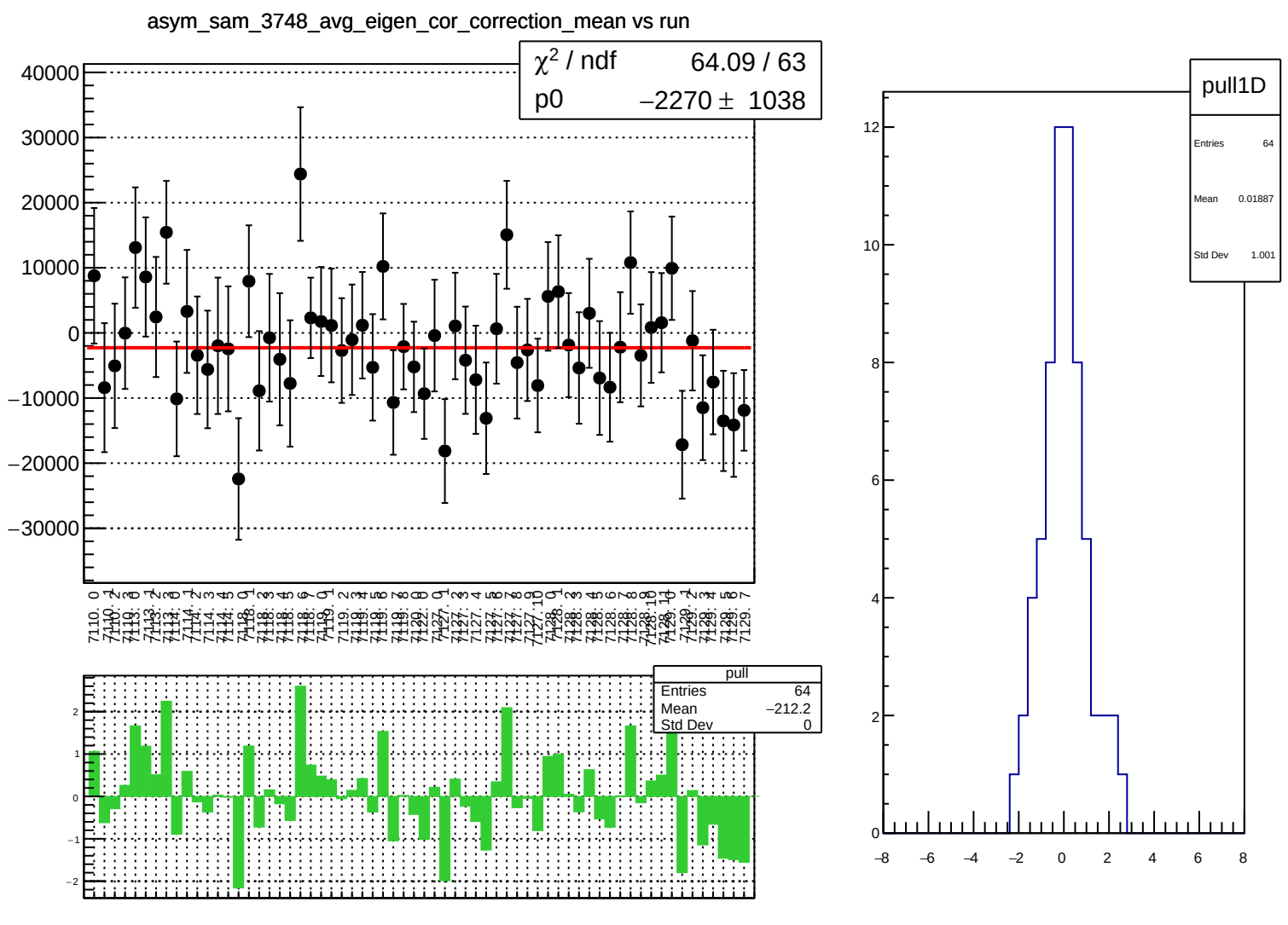

pull1D
Entries 64
Mean 0.01887
Std Dev 1.001

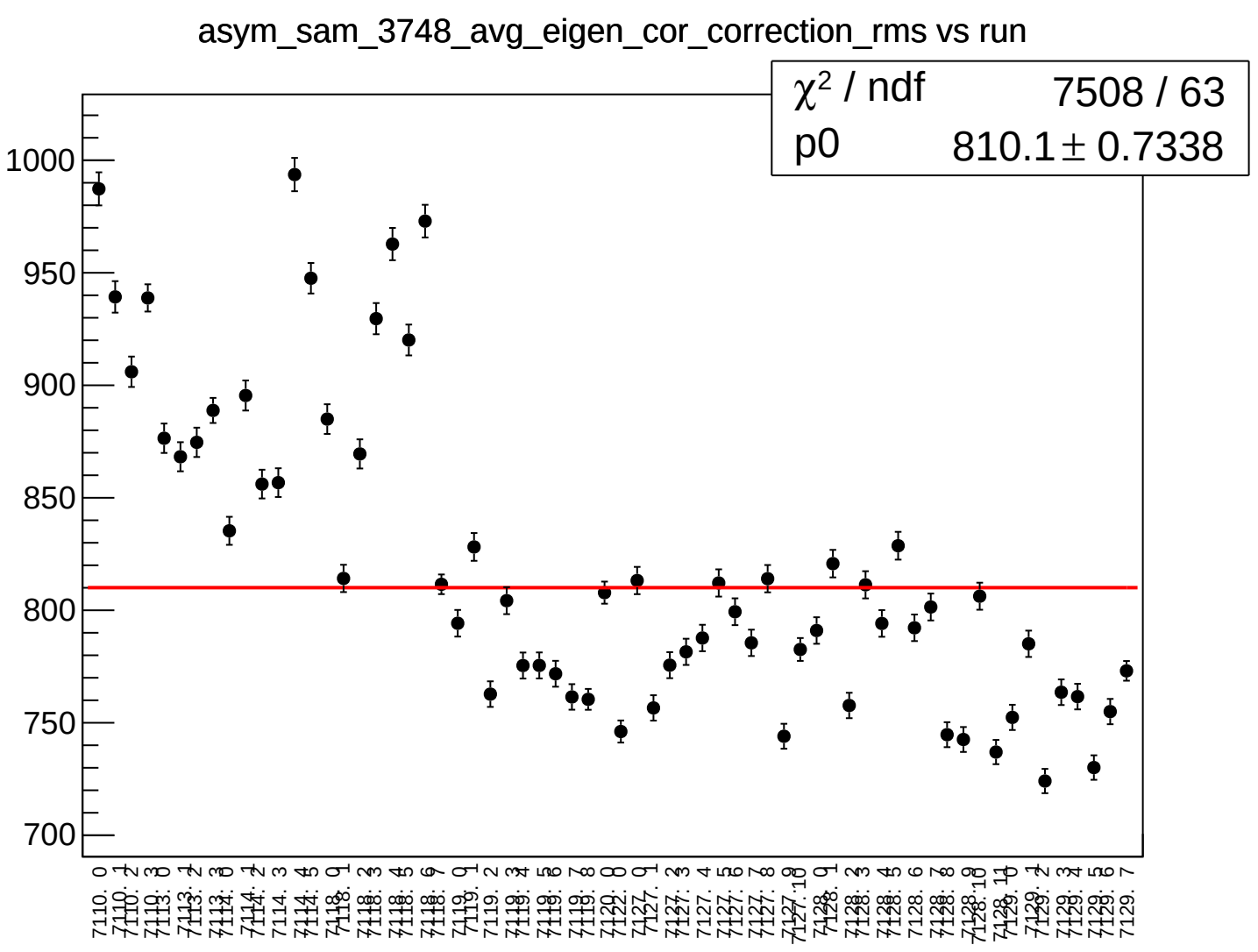

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 7508 / 63
p0 810.1 ± 0.7338
1000
950
900
850
800
750
700

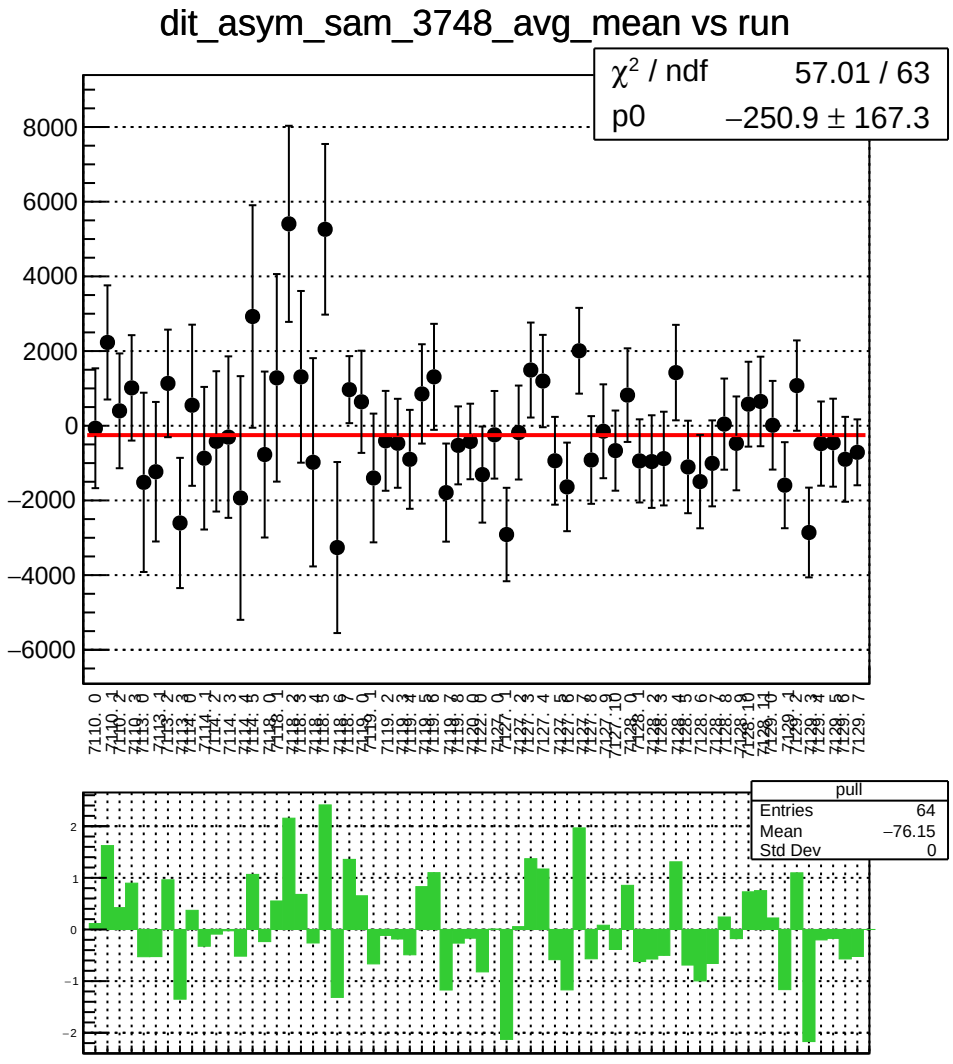

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 56.7 / 63
p0 12.17 ± 114.4
pull
Entries 64
Mean −140.4
Std Dev 0

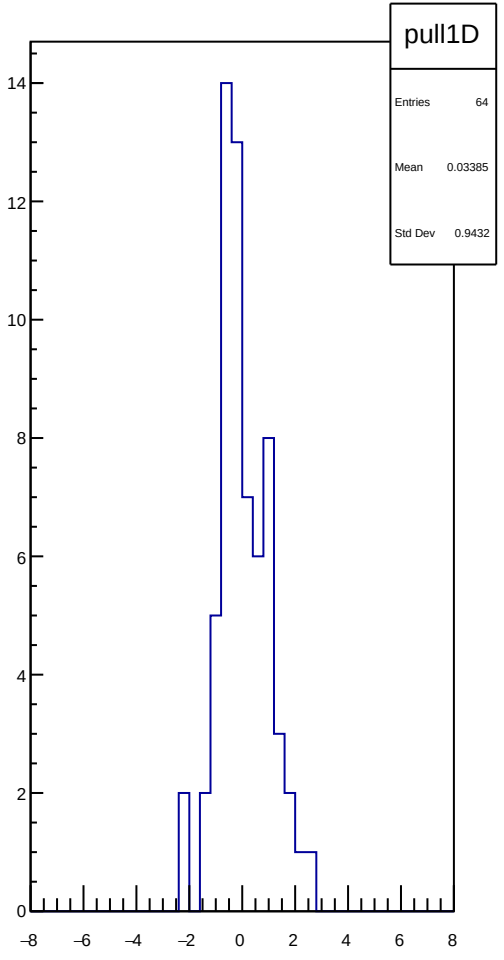

pull1D
Entries 64
Mean 0.01371
Std Dev 0.9412

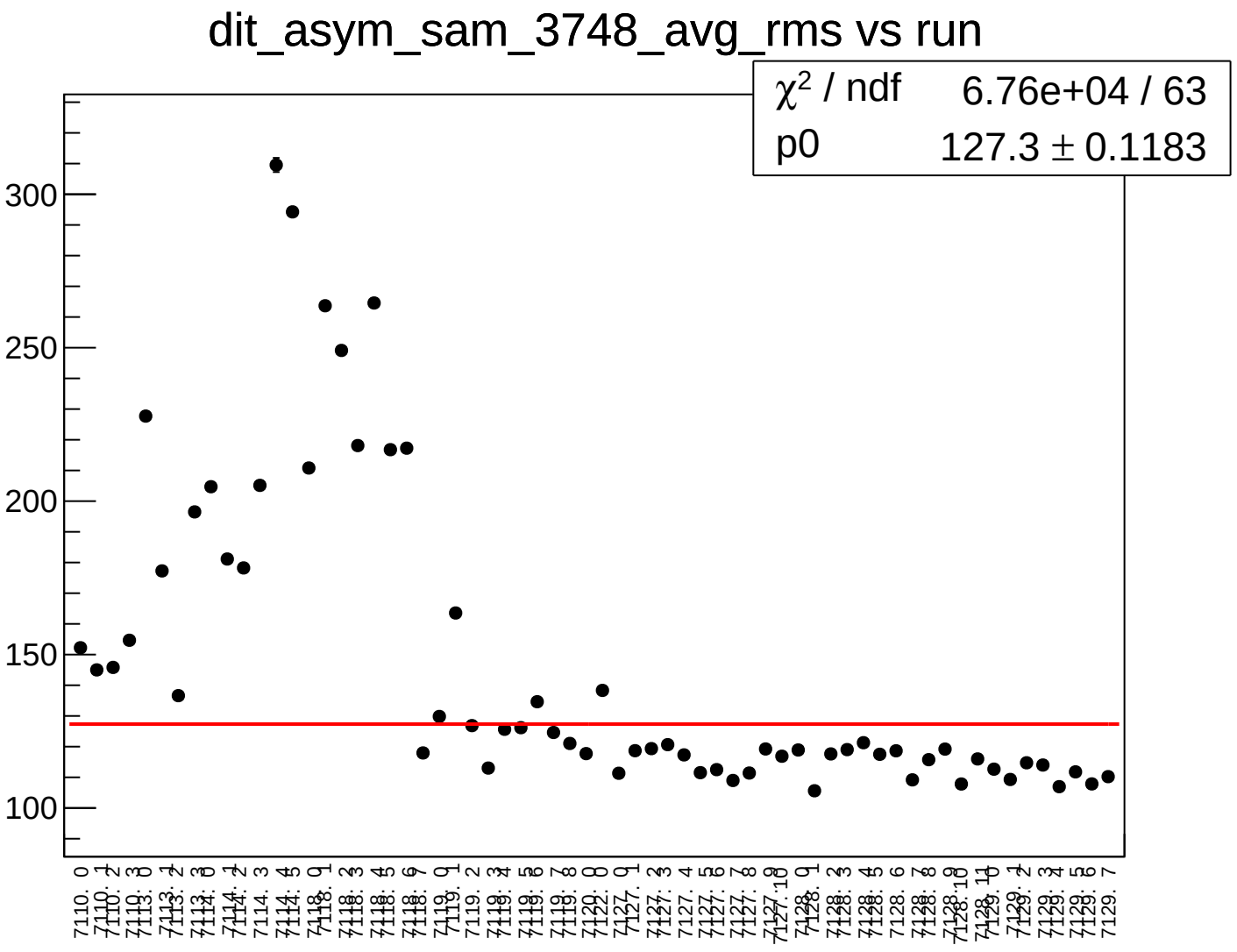

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 3.497e+04 / 63
p0 88.3 ± 0.08091
150
140
130
120
110
100
90
80
70

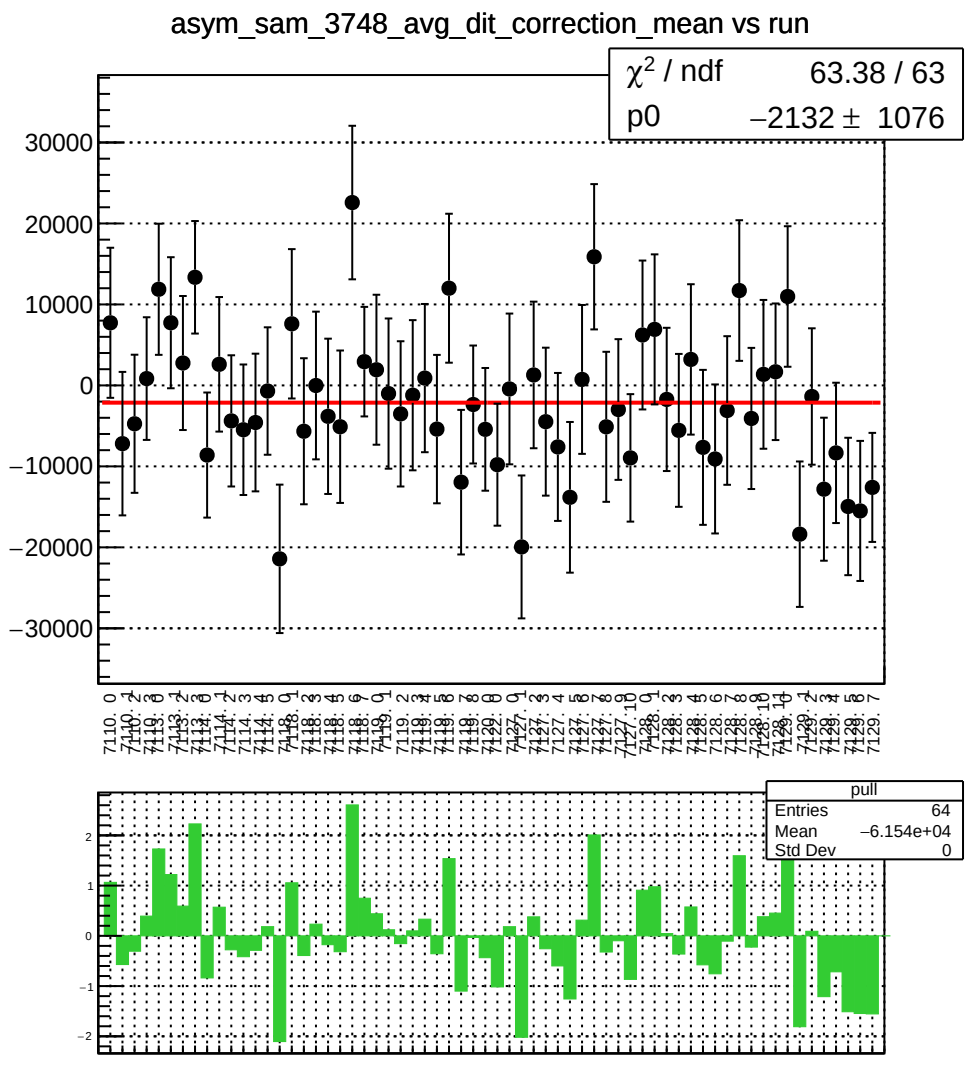

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.09 / 63
p0 −2270 ± 1038
pull
Entries 64
Mean −212.2
Std Dev 0
pull1D
Entries 64
Mean 0.01887
Std Dev 1.001

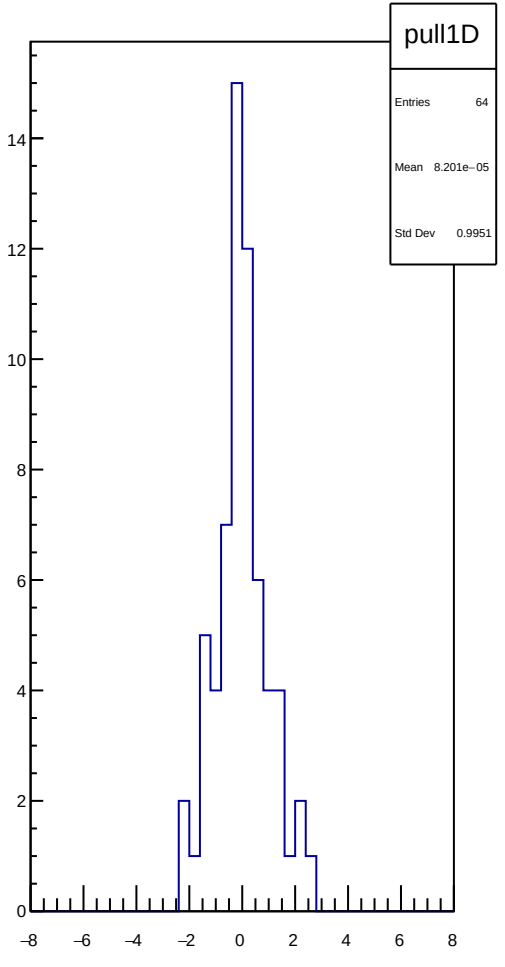

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 7508 / 63
p0 810.1 ± 0.7338
1000
950
900
850
800
750
700

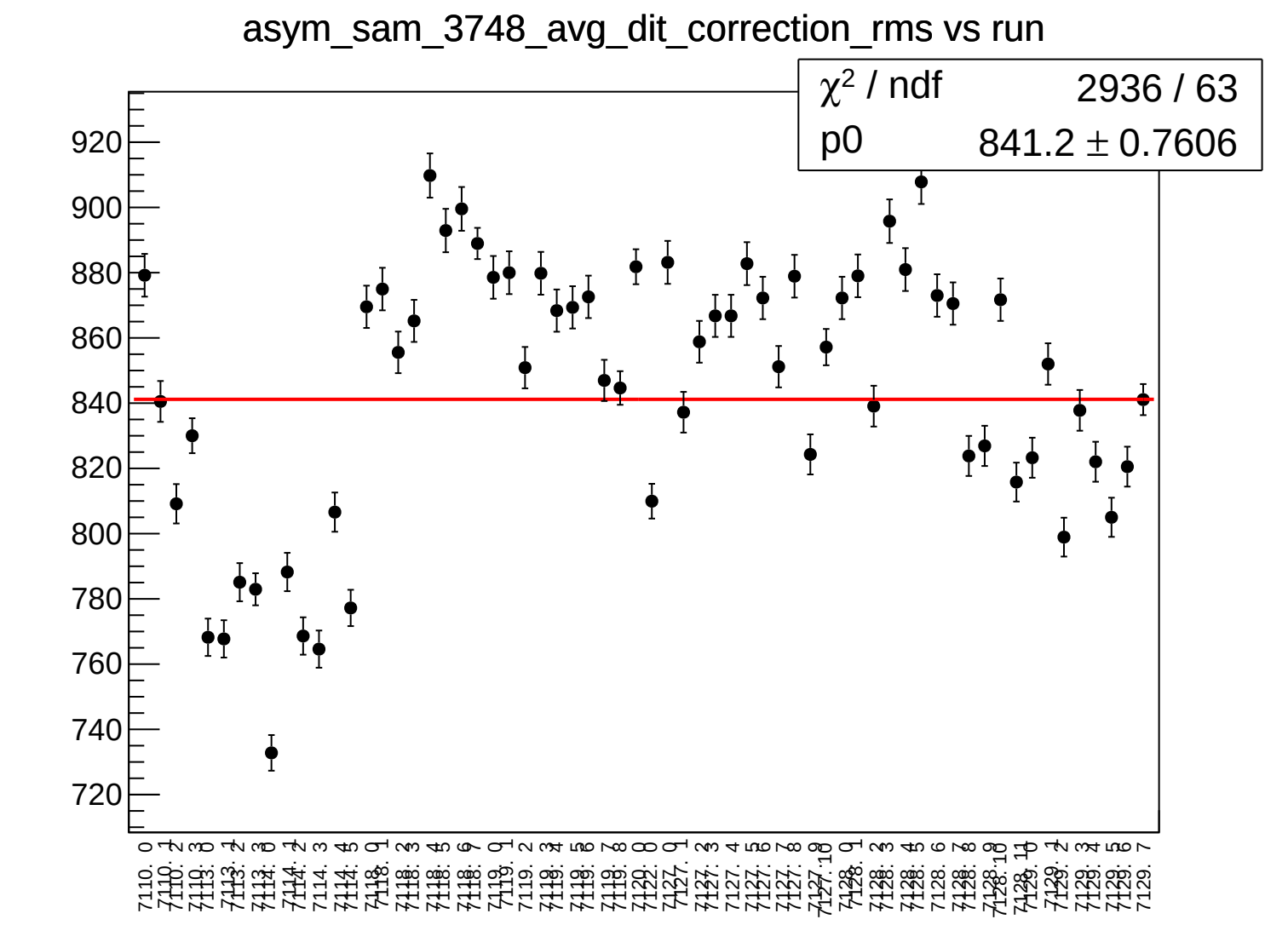

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 57.01 / 63
p0 −250.9 ± 167.3
pull
Entries 64
Mean −76.15
Std Dev 0

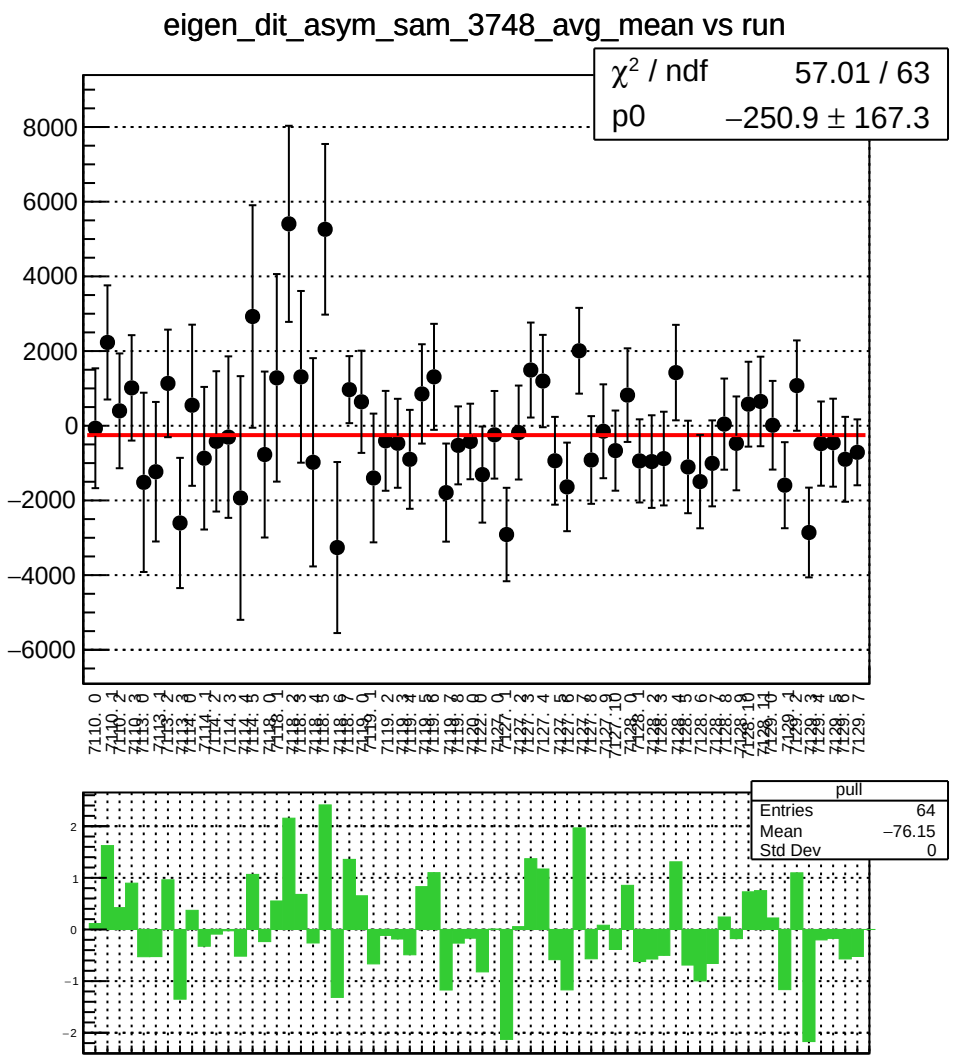

pull1D
Entries 64
Mean 0.03385
Std Dev 0.9432

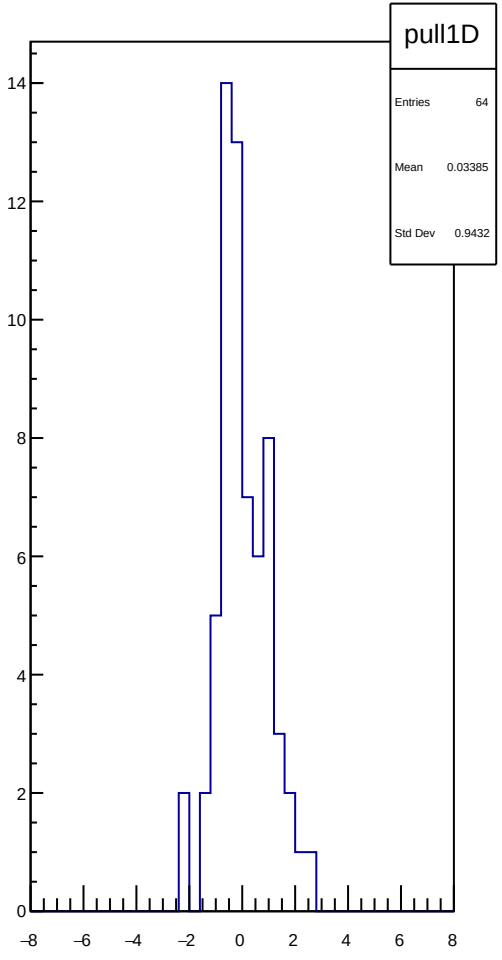

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 6.76e+04 / 63
p0 127.3 ± 0.1183
300
250
200
150
100

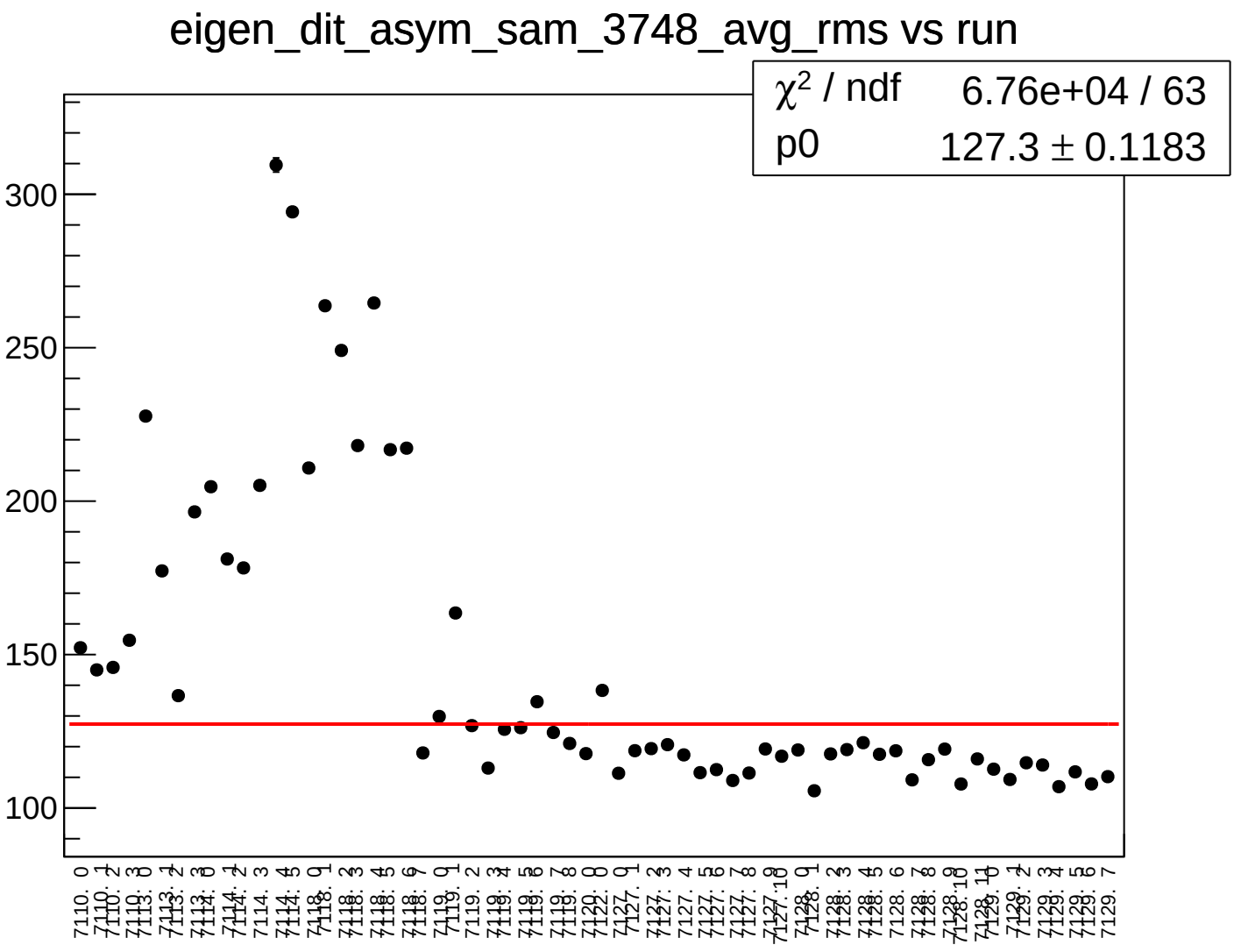

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 63.38 / 63
p0 −2132 ± 1076
pull
Entries 64
Mean −6.154e+04
Std Dev 0

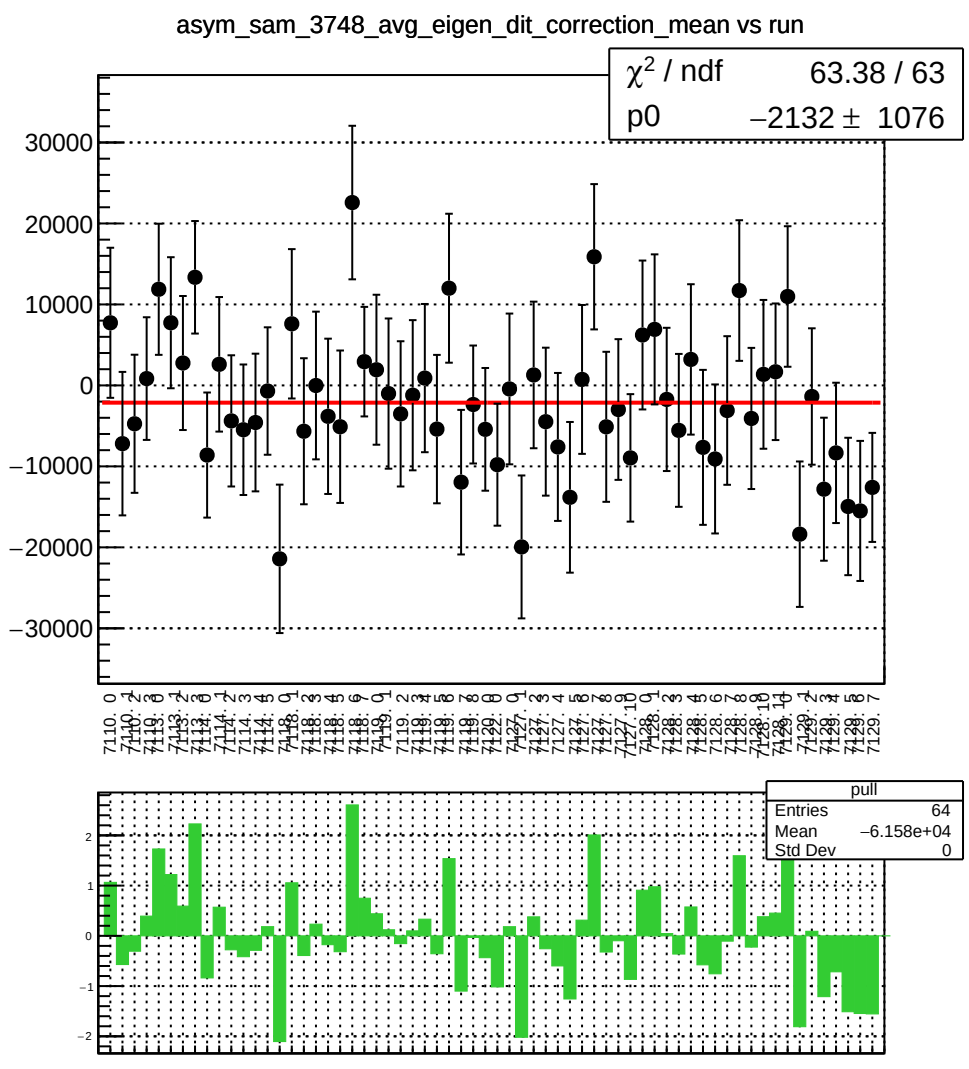

pull1D
Entries 64
Mean 8.201e−05
Std Dev 0.9951

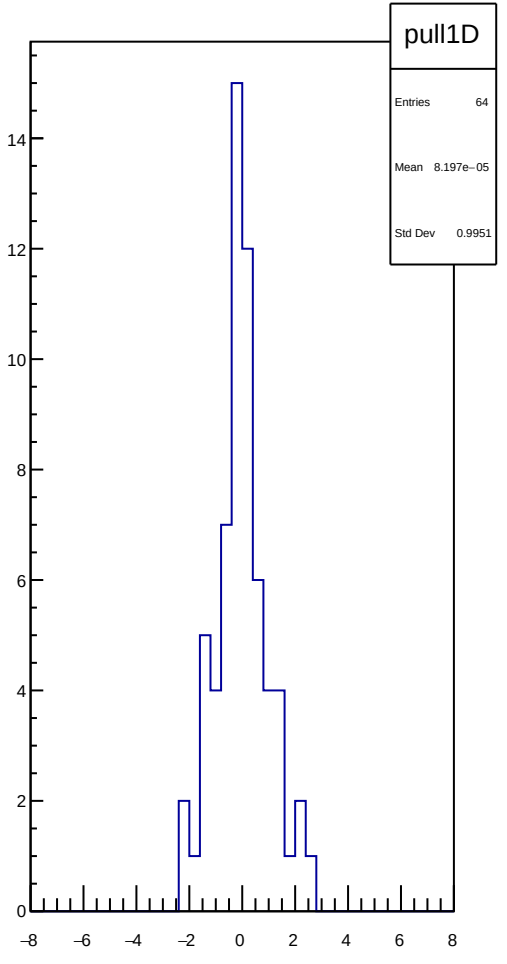

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 2936 / 63
p0 841.2 ± 0.7606
920
900
880
860
840
820
800
780
760
740
720

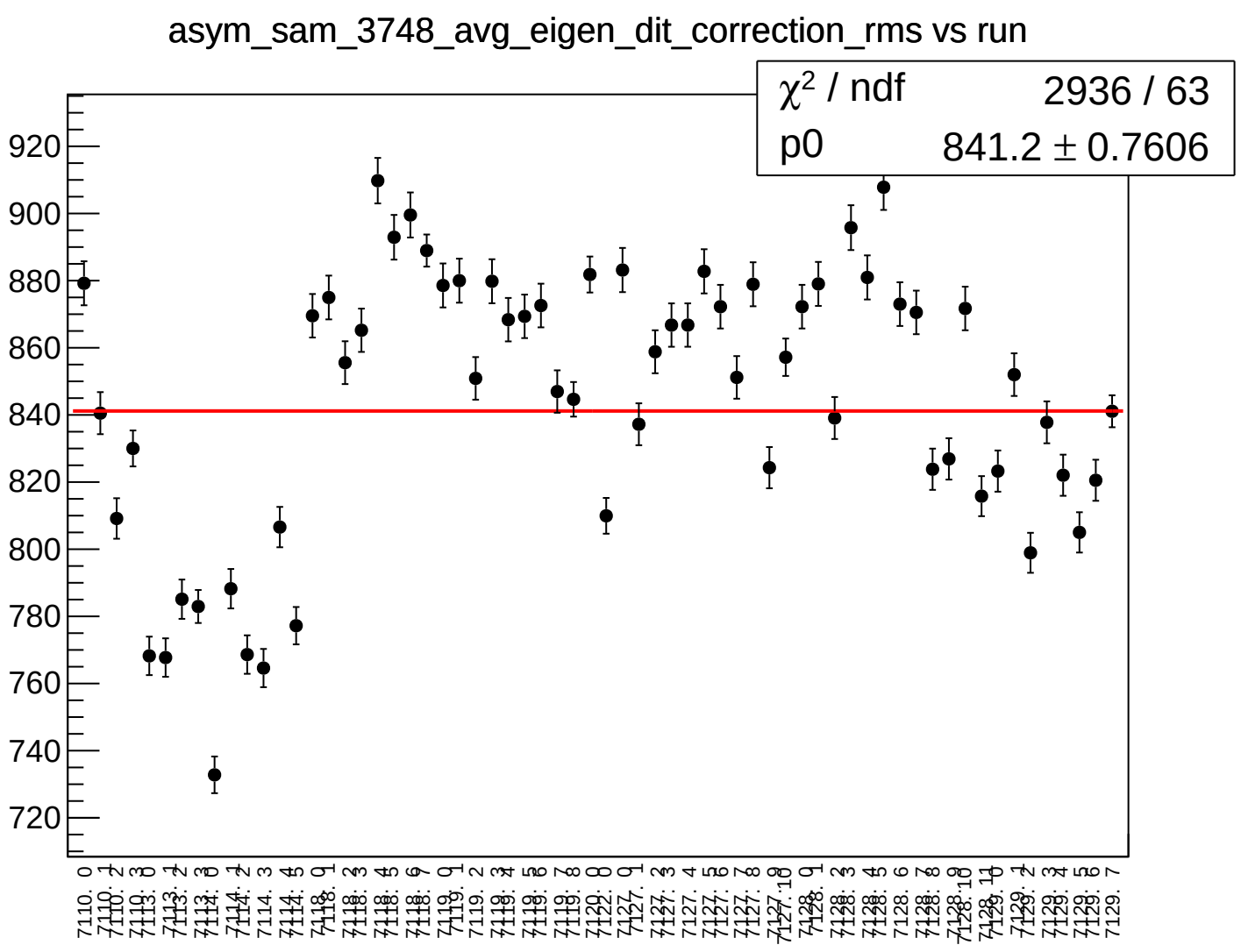

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 57.01 / 63
p0 −250.9 ± 167.3
pull
Entries 64
Mean −76.15
Std Dev 0

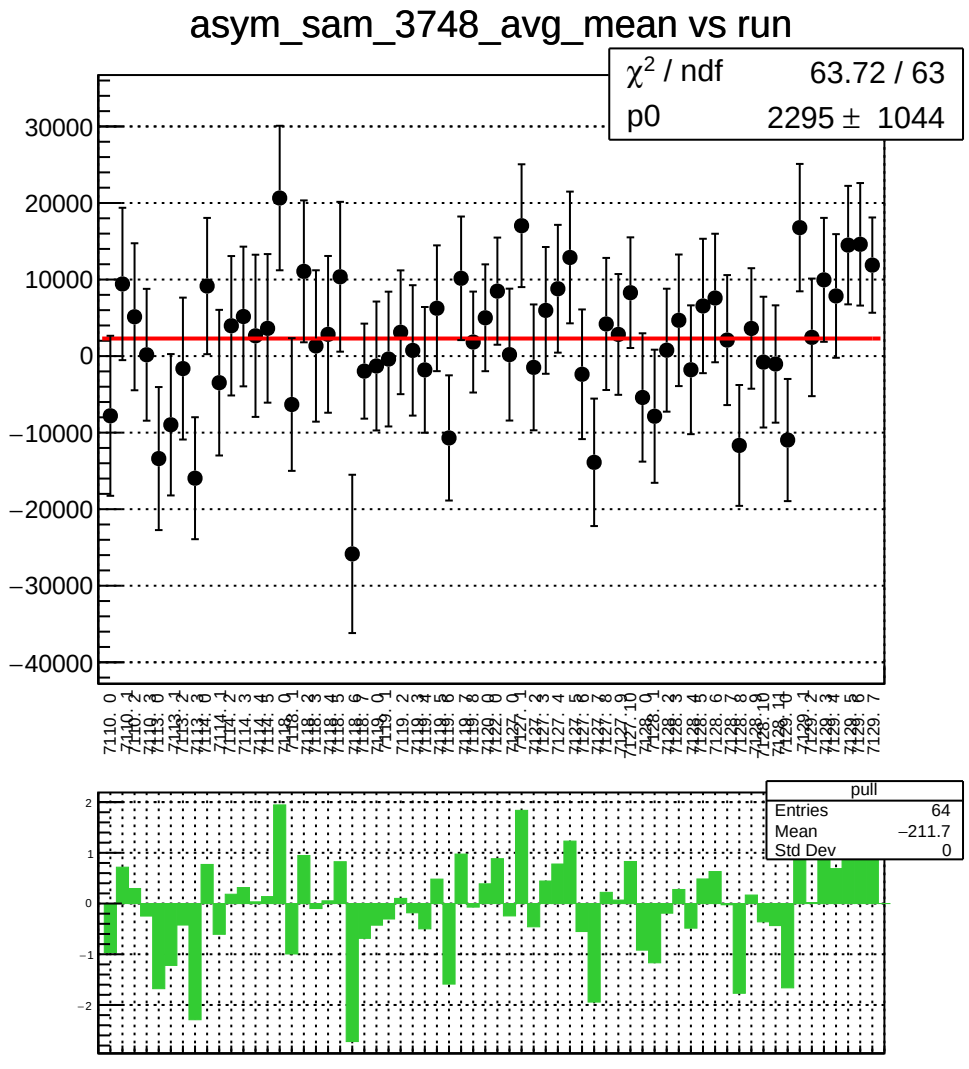

pull1D
Entries 64
Mean 0.03385
Std Dev 0.9432

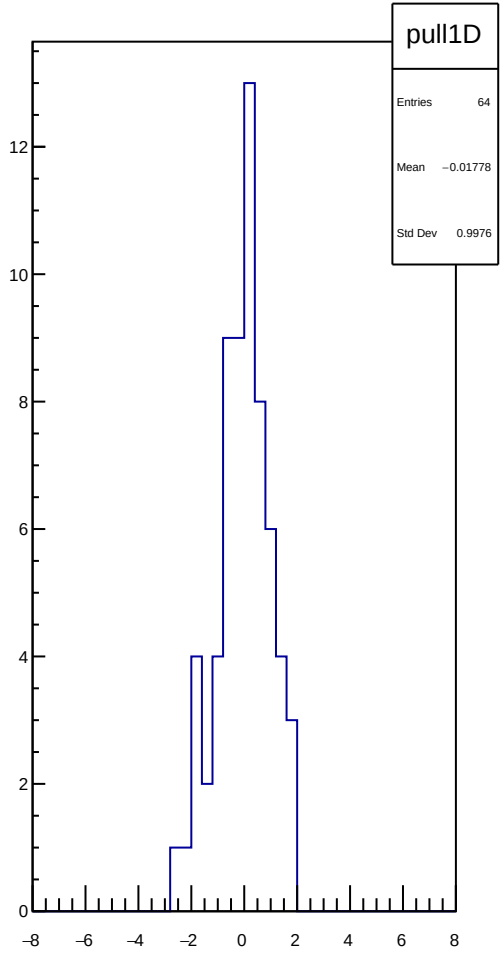

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 6.76e+04 / 63
p0 127.3 ± 0.1183
300
250
200
150
100

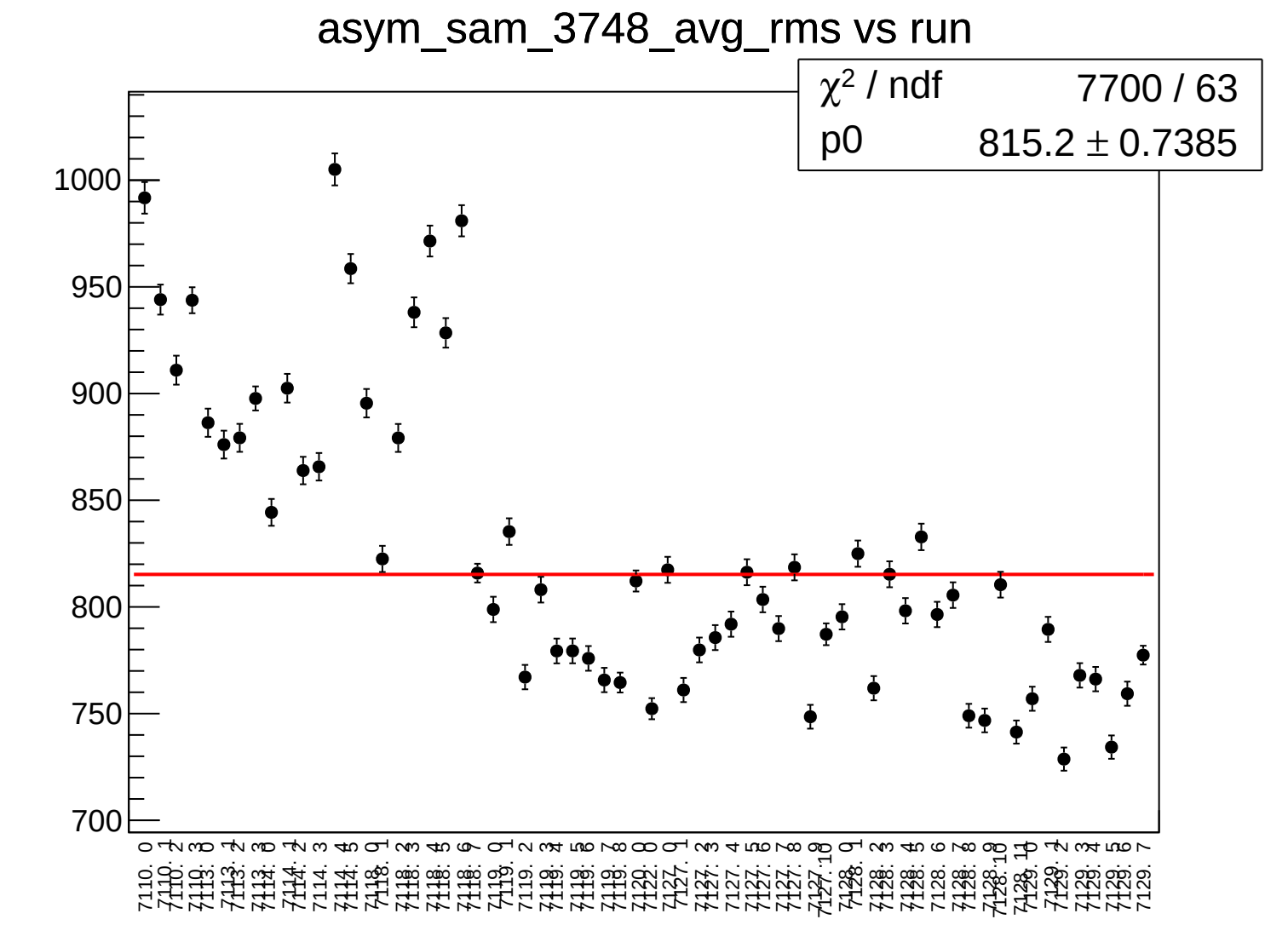

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.38 / 63
p0 −2132 ± 1076
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 64
Mean −6.158e+04
Std Dev 0
2
1
0
−1
−2

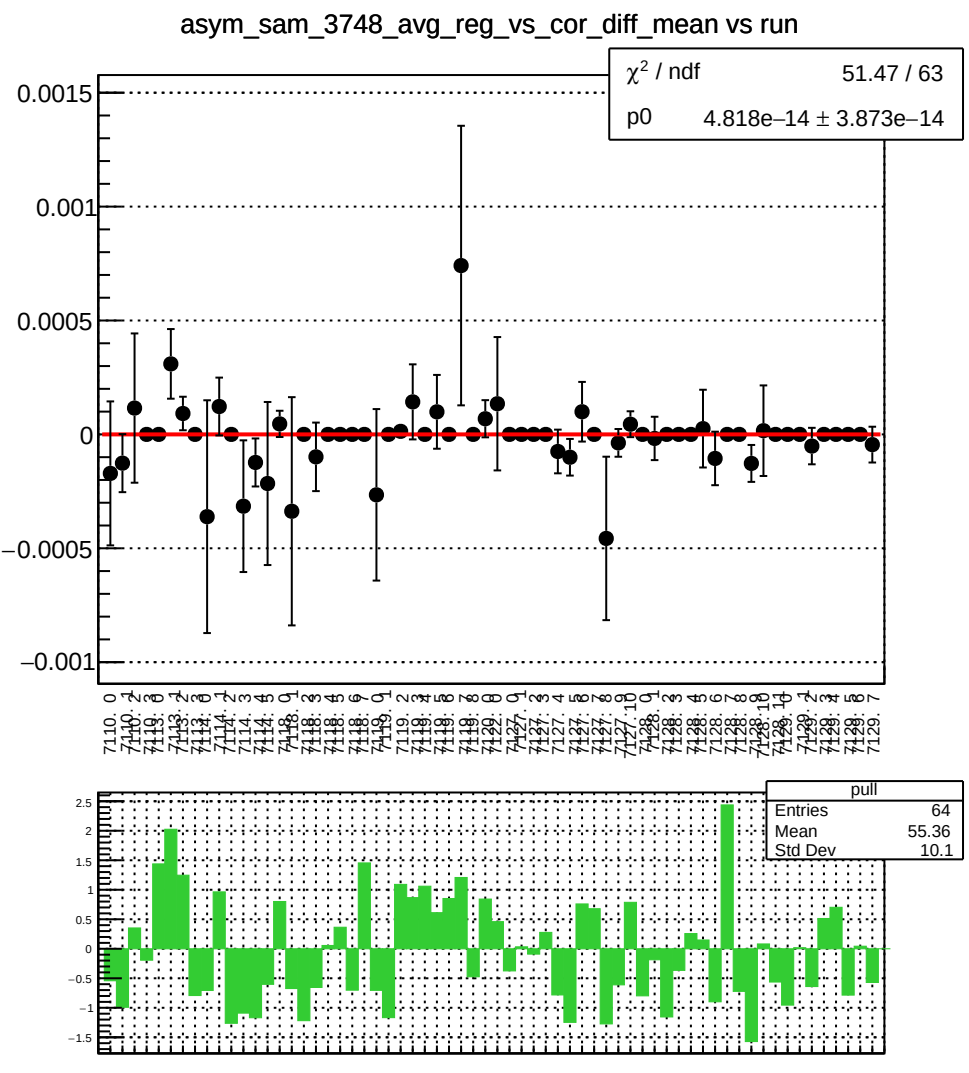

pull1D
Entries 64
Mean 8.197e−05
Std Dev 0.9951
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

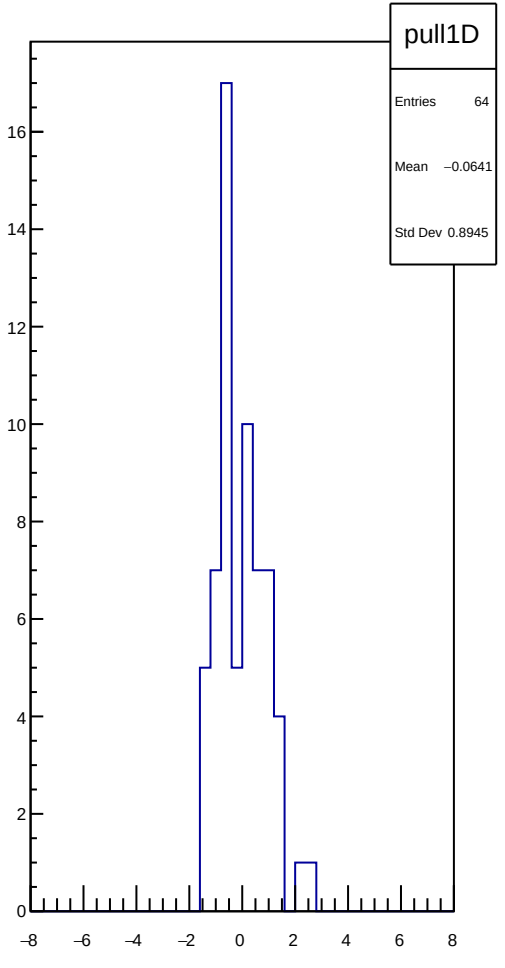

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 2936 / 63
p0 841.2 ± 0.7606
920
900
880
860
840
820
800
780
760
740
720

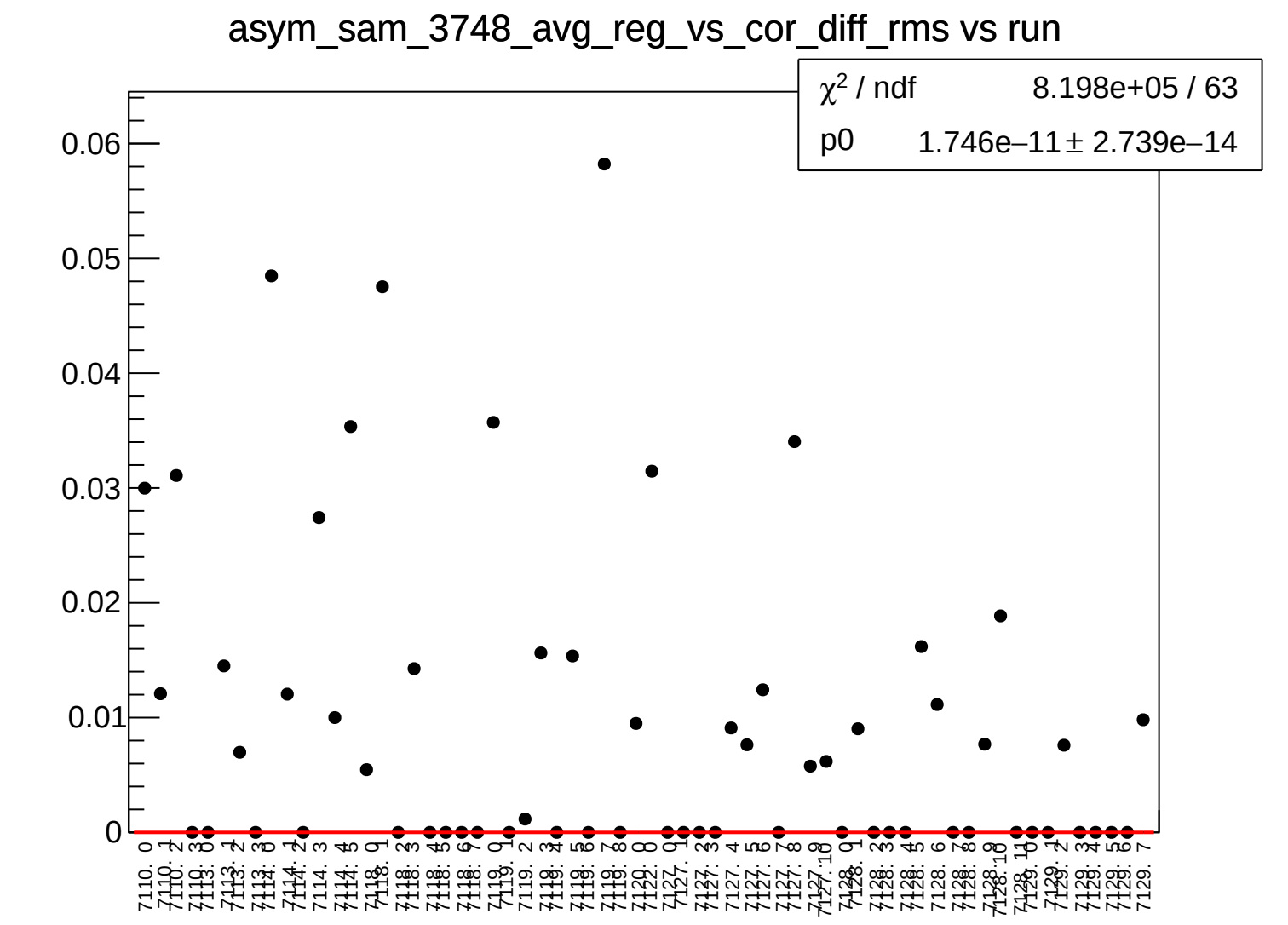

asym_sam_3748_avg_mean vs run
χ² / ndf 63.72 / 63
p0 2295 ± 1044
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 64
Mean −211.7
Std Dev 0
2
1
0
−1
−2

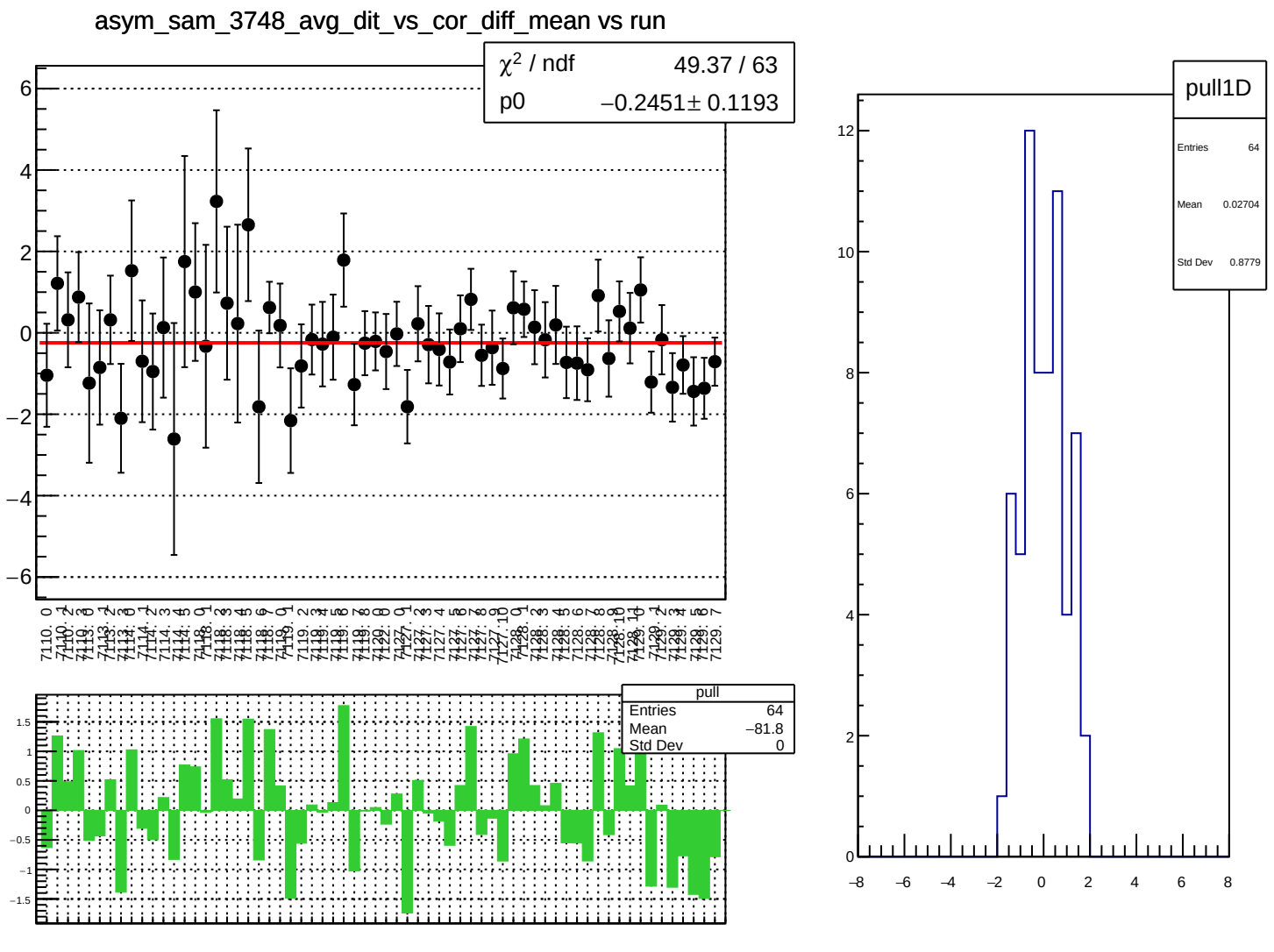

pull1D
Entries 64
Mean −0.01778
Std Dev 0.9976
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

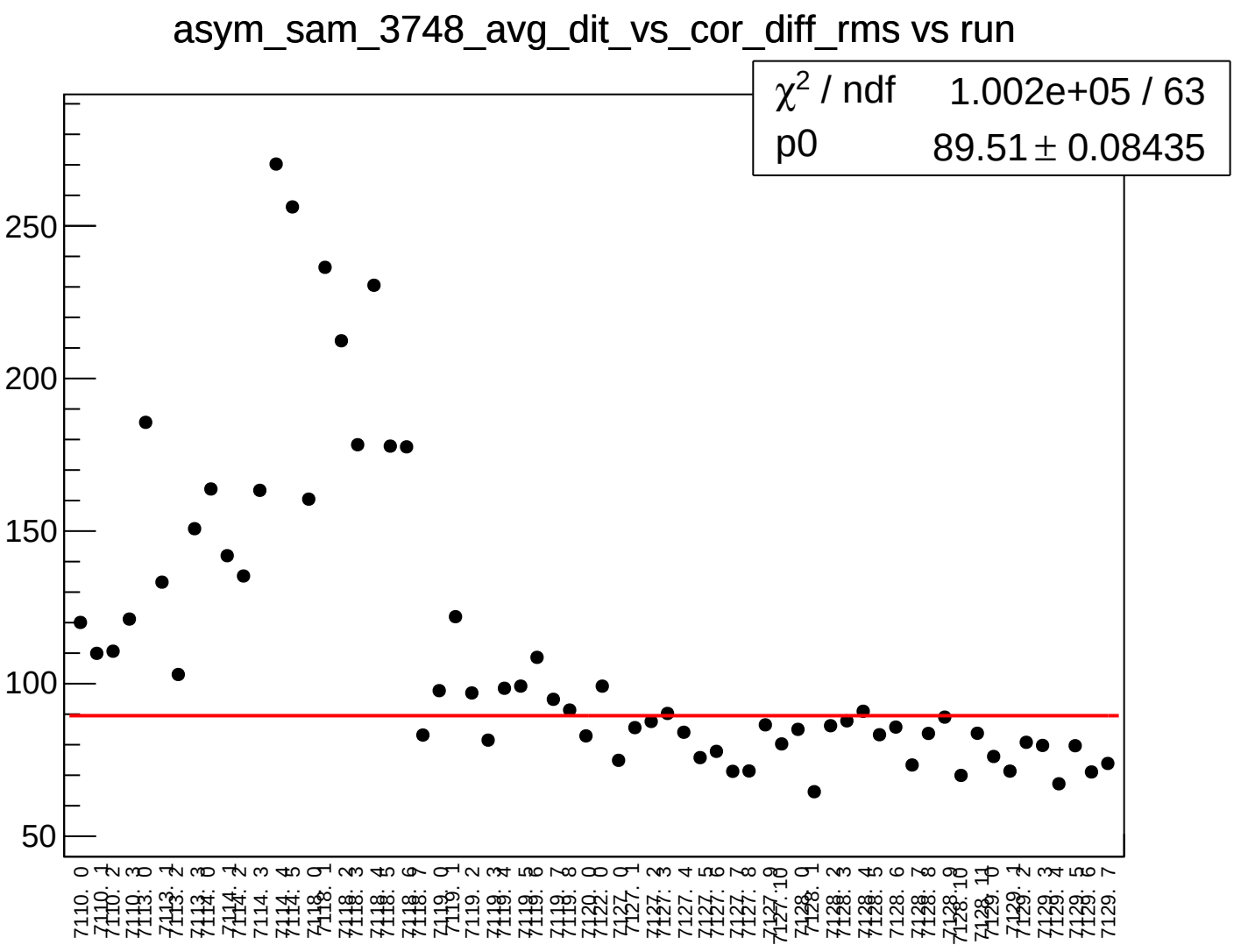

asym_sam_3748_avg_rms vs run
χ² / ndf 7700 / 63
p0 815.2 ± 0.7385
1000
950
900
850
800
750
700
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

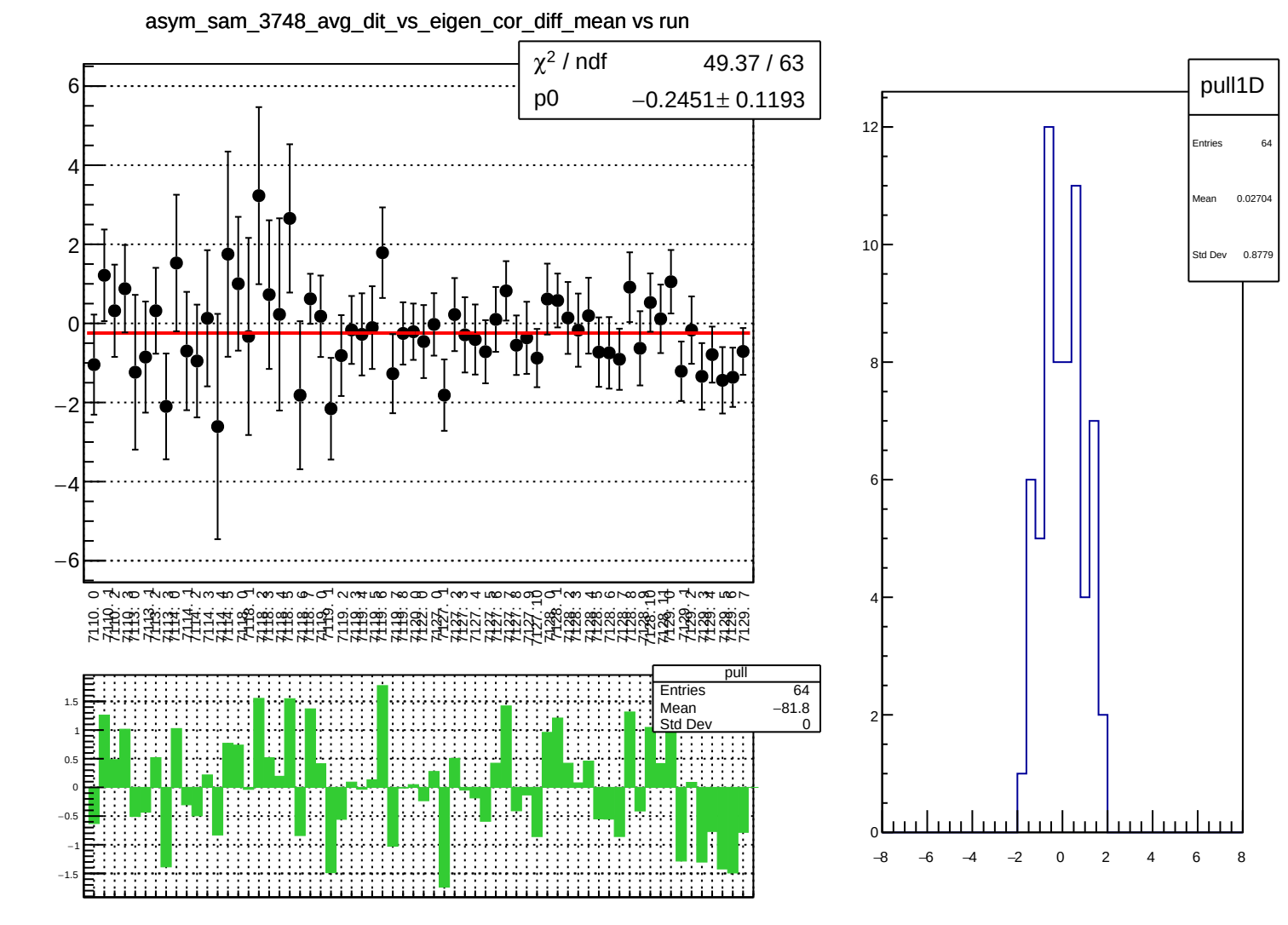

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.47 / 63
p0 4.818e−14 ± 3.873e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 64
Mean 55.36
Std Dev 10.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

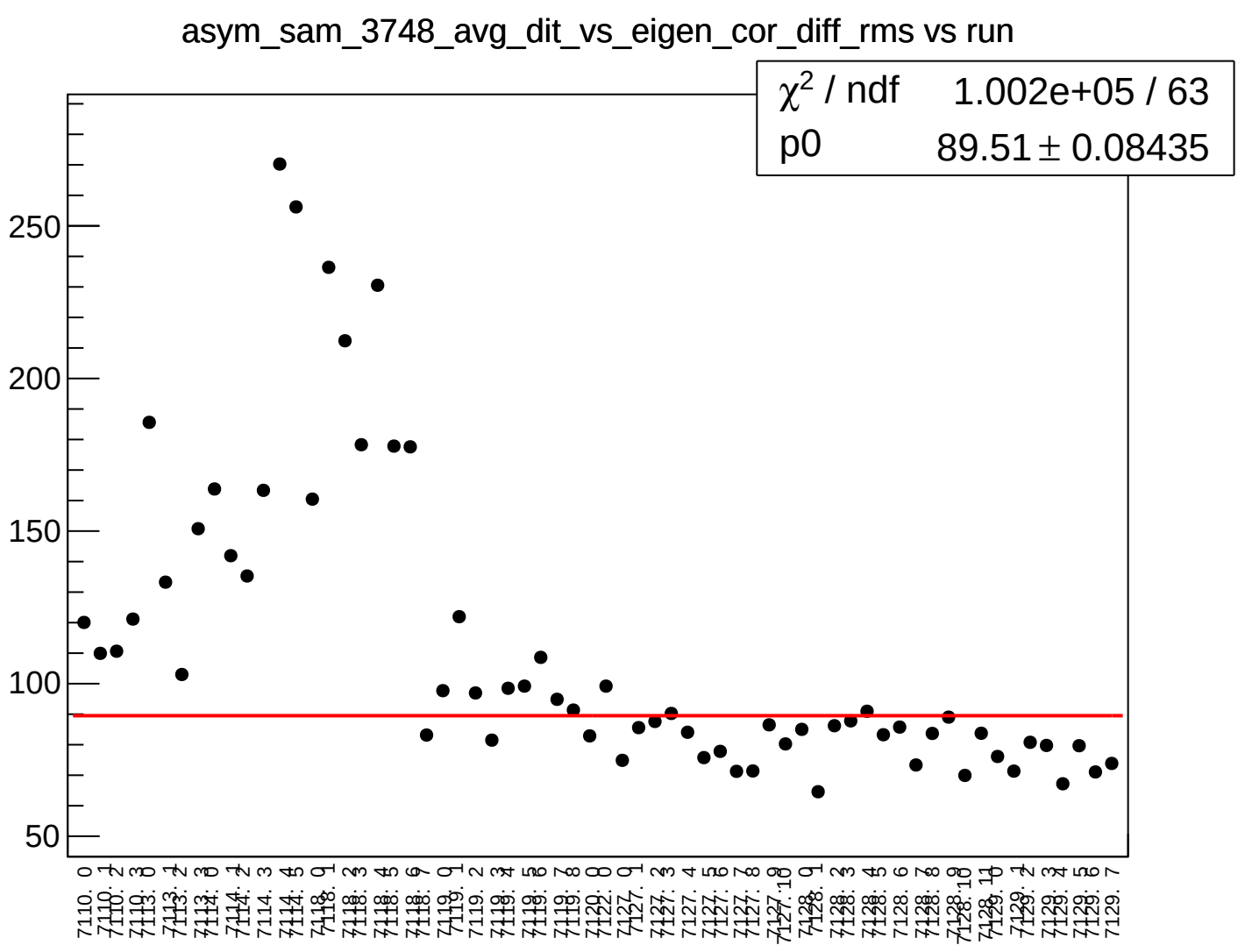

pull1D
Entries 64
Mean −0.0641
Std Dev 0.8945
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

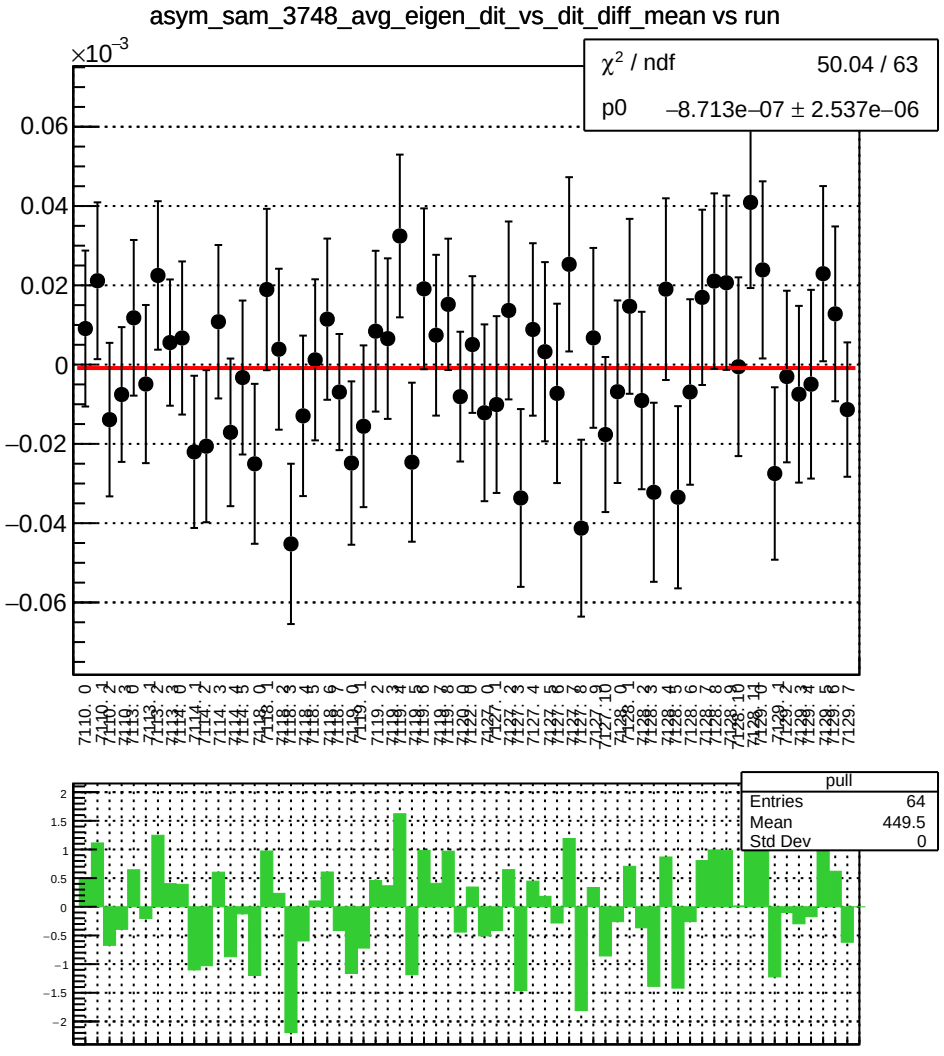

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.198e+05 / 63
p0 1.746e−11 ± 2.739e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

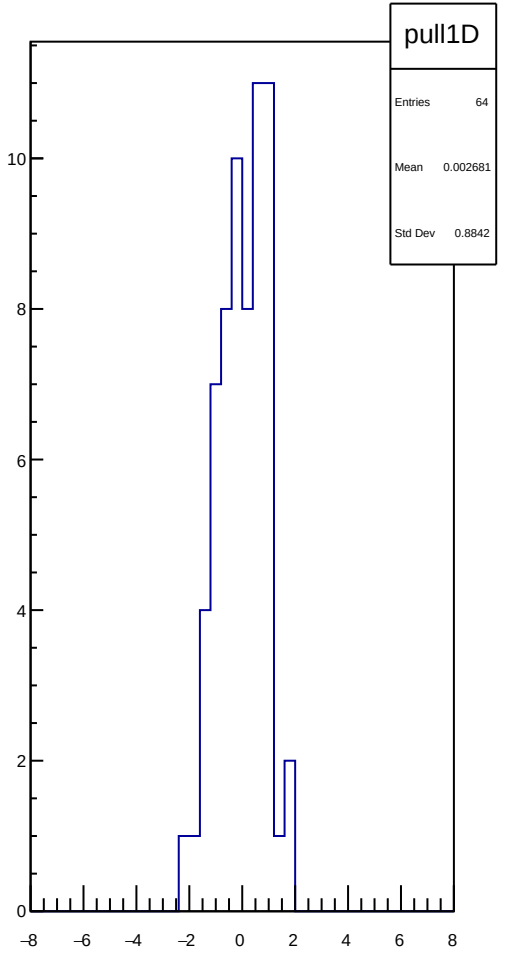

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.37 / 63
p0 −0.2451± 0.1193
pull
Entries 64
Mean −81.8
Std Dev 0
pull1D
Entries 64
Mean 0.02704
Std Dev 0.8779

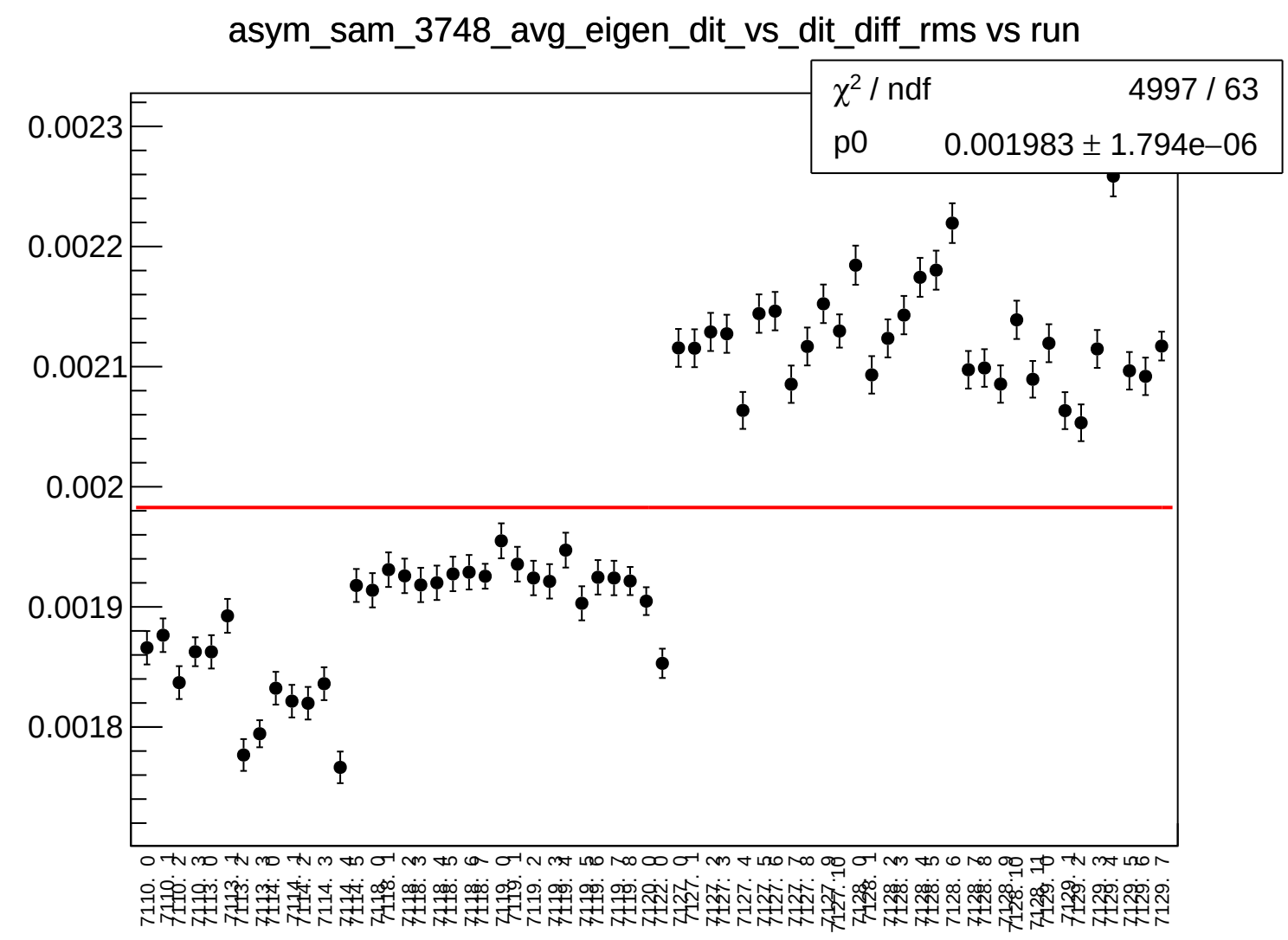

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.002e+05 / 63
p0 89.51 ± 0.08435
250
200
150
100
50

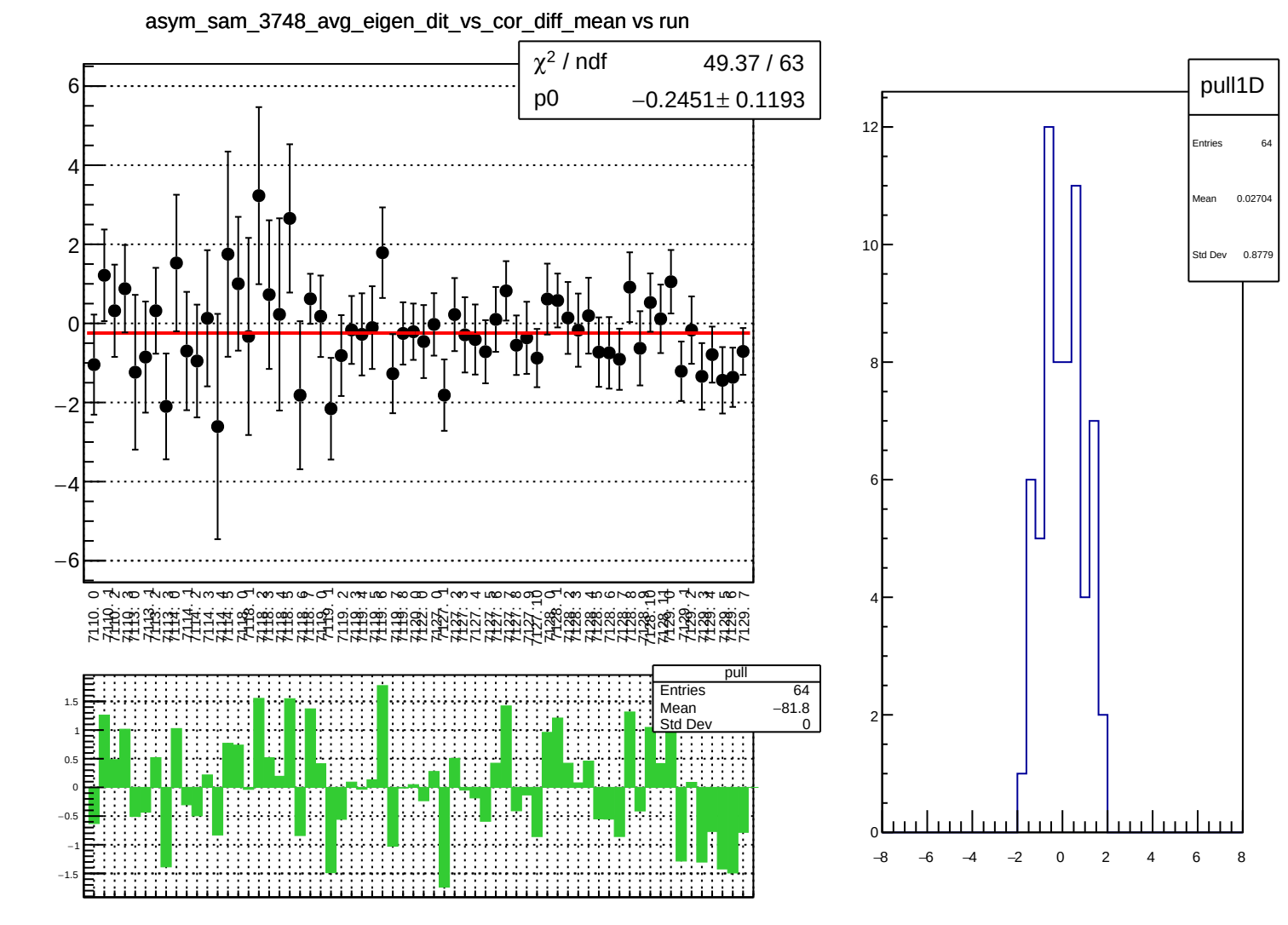

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.37 / 63
p0 −0.2451± 0.1193
pull
Entries 64
Mean −81.8
Std Dev 0
pull1D
Entries 64
Mean 0.02704
Std Dev 0.8779

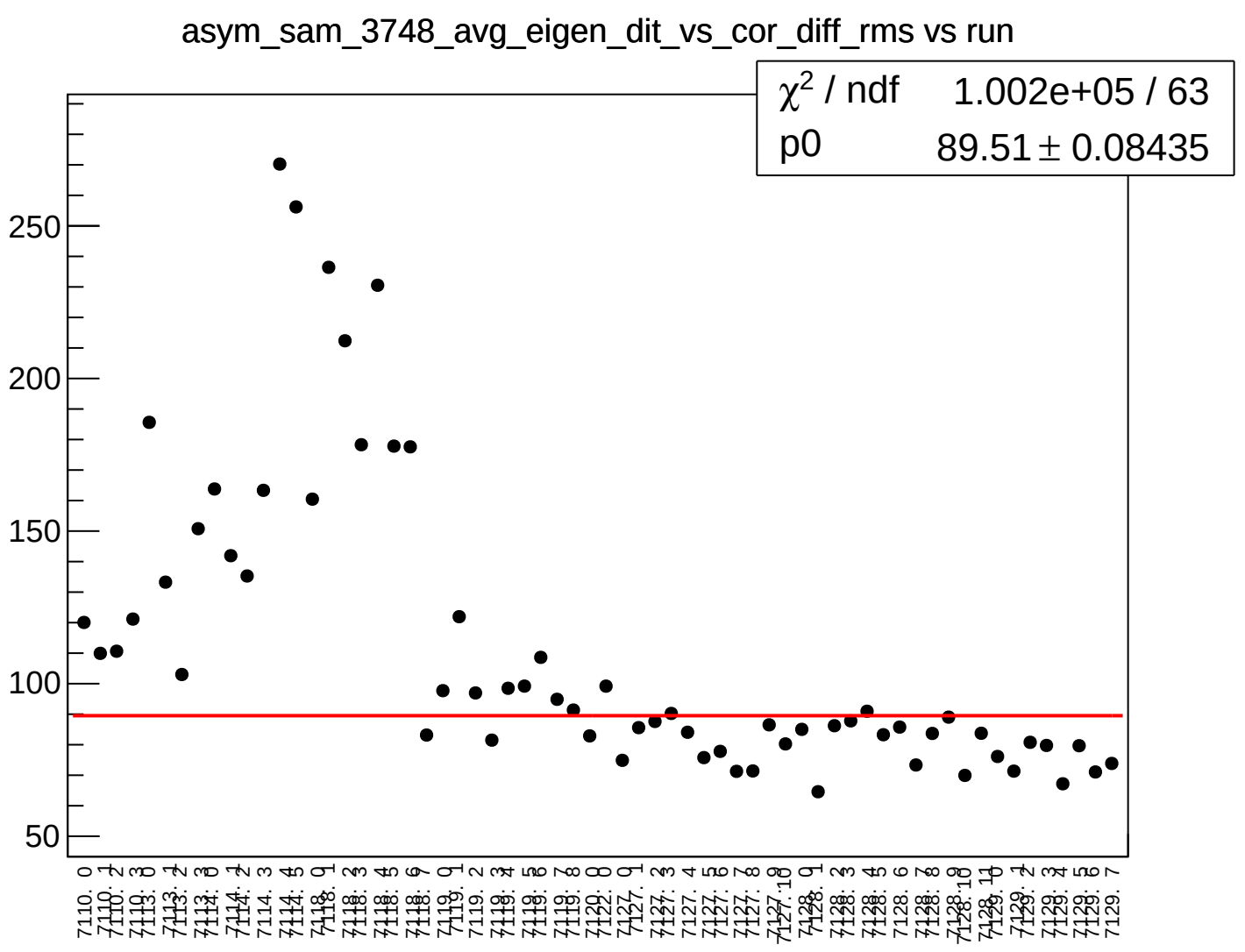

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.002e+05 / 63
p0 89.51 ± 0.08435
250
200
150
100
50

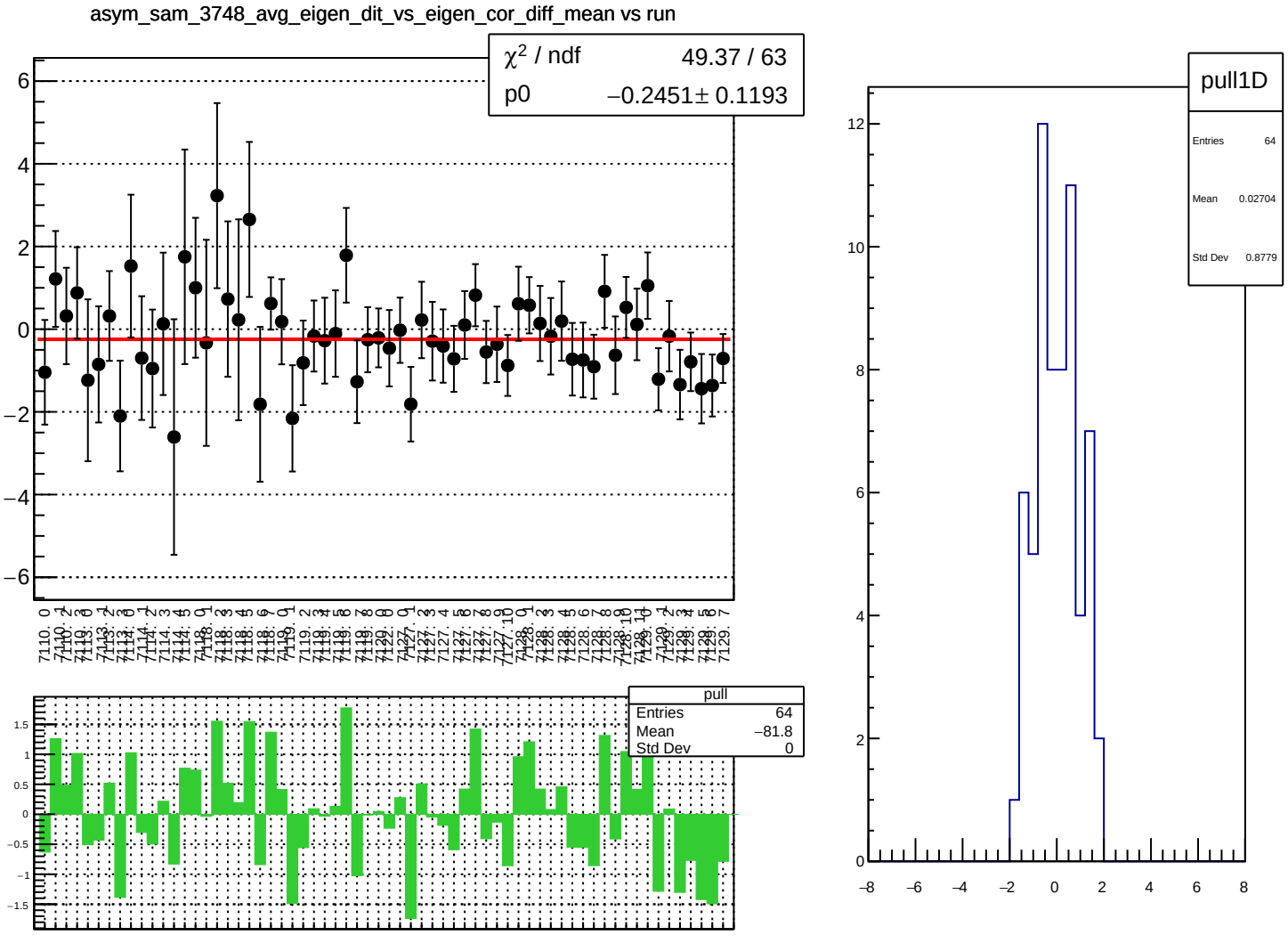

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.04 / 63
p0 −8.713e−07 ± 2.537e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 449.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

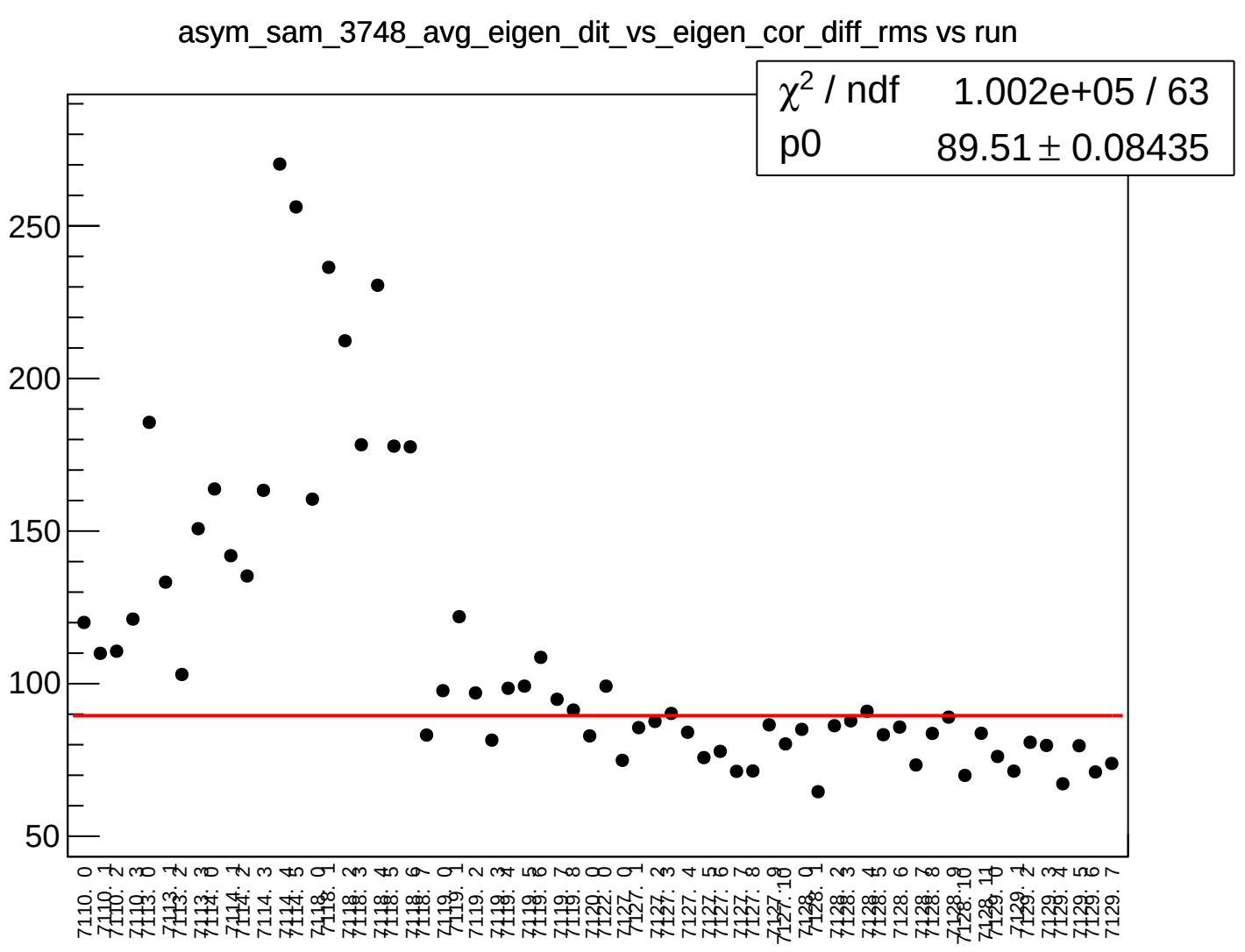

pull1D
Entries 64
Mean 0.002681
Std Dev 0.8842
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

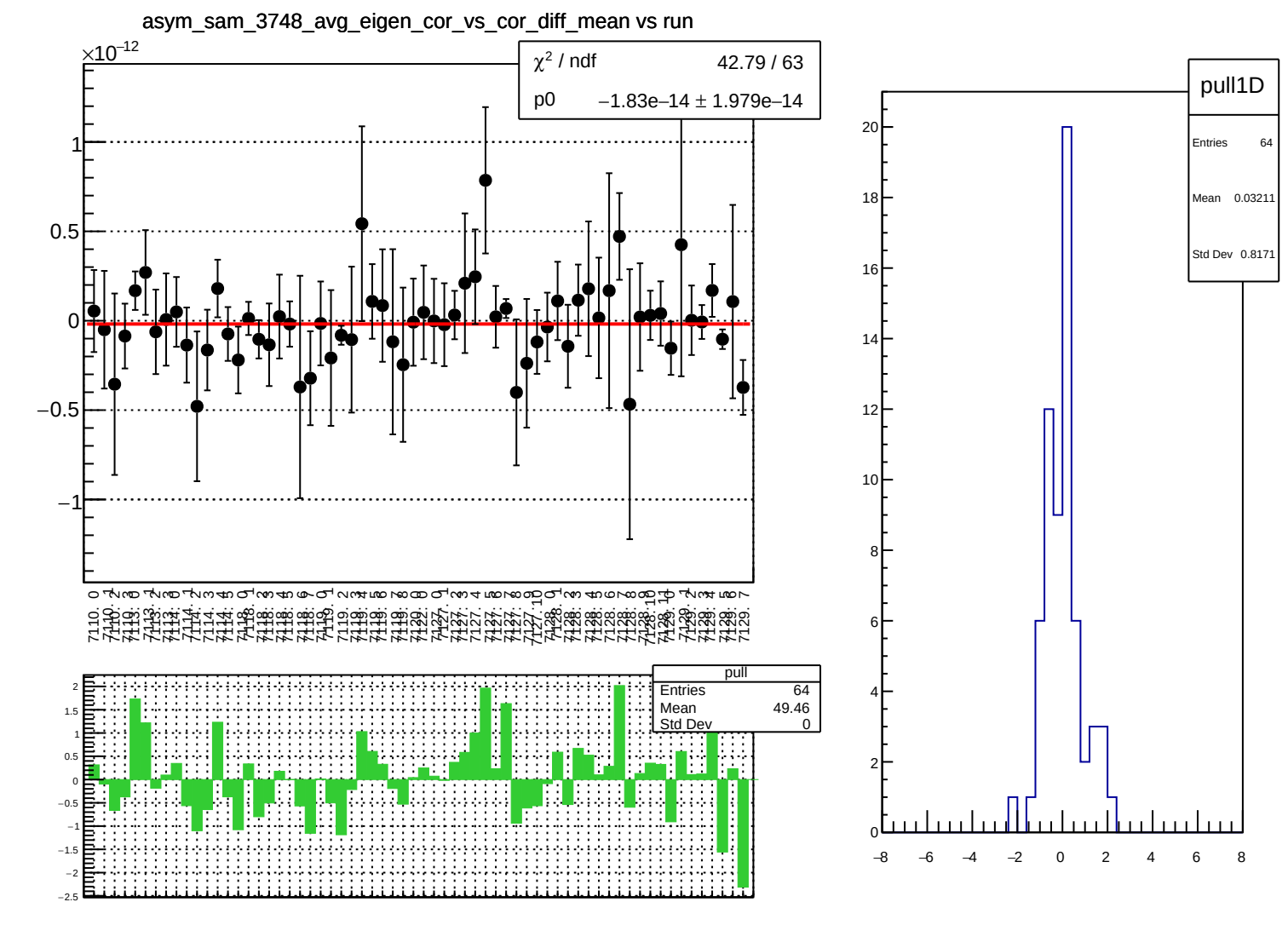

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4997 / 63
p0 0.001983 ± 1.794e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

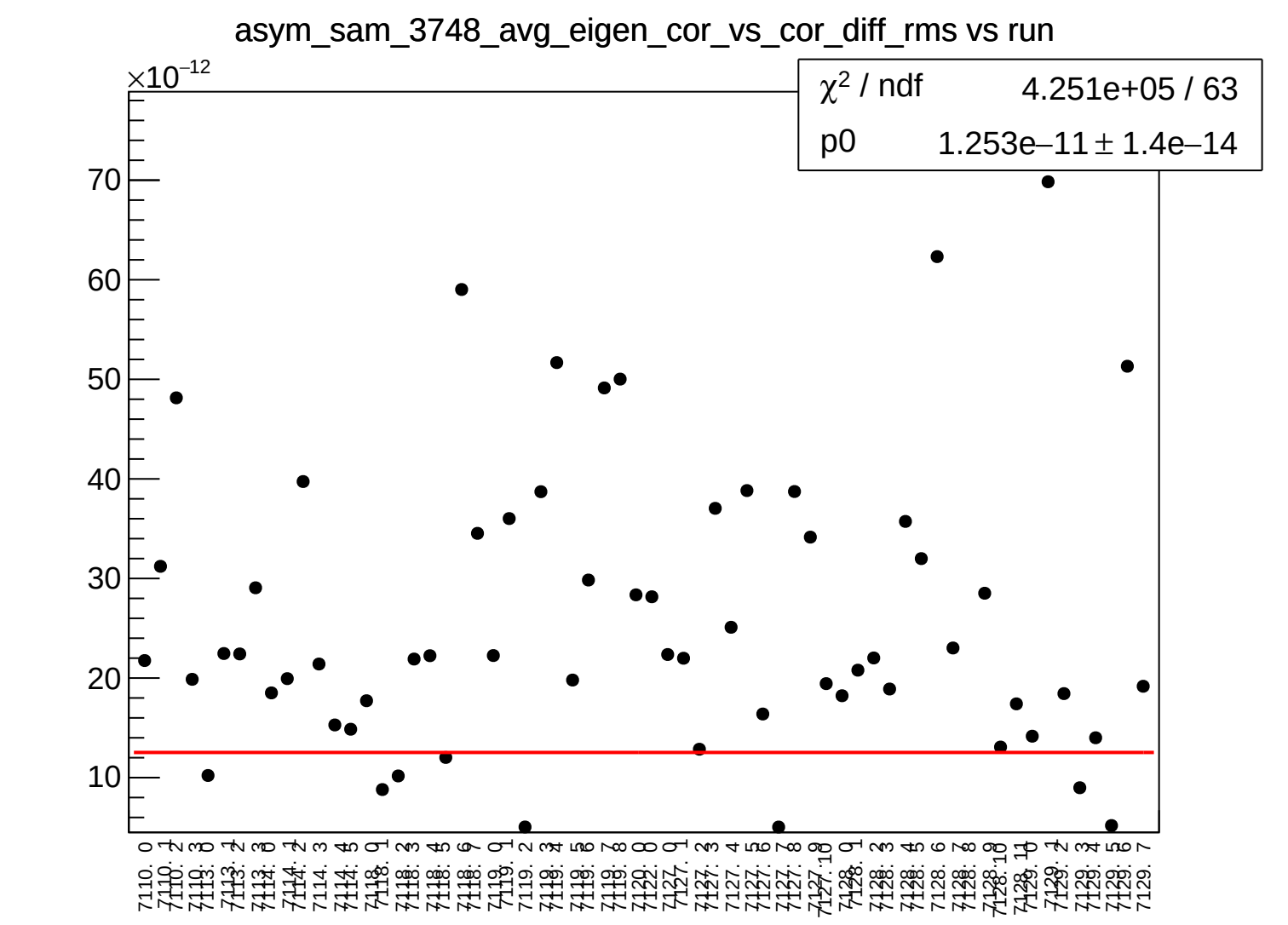

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.37 / 63
p0 −0.2451± 0.1193
pull
Entries 64
Mean −81.8
Std Dev 0
pull1D
Entries 64
Mean 0.02704
Std Dev 0.8779

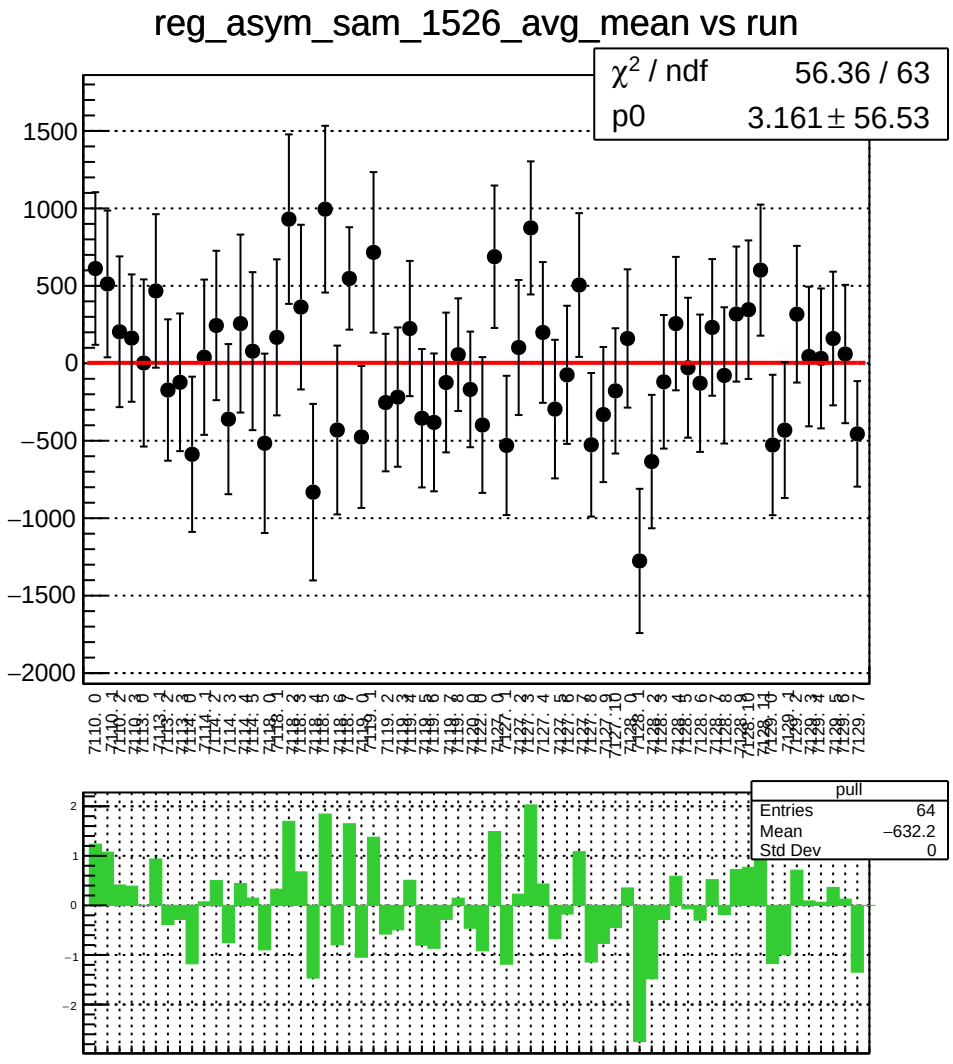

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.002e+05 / 63
p0 89.51 ± 0.08435
250
200
150
100
50

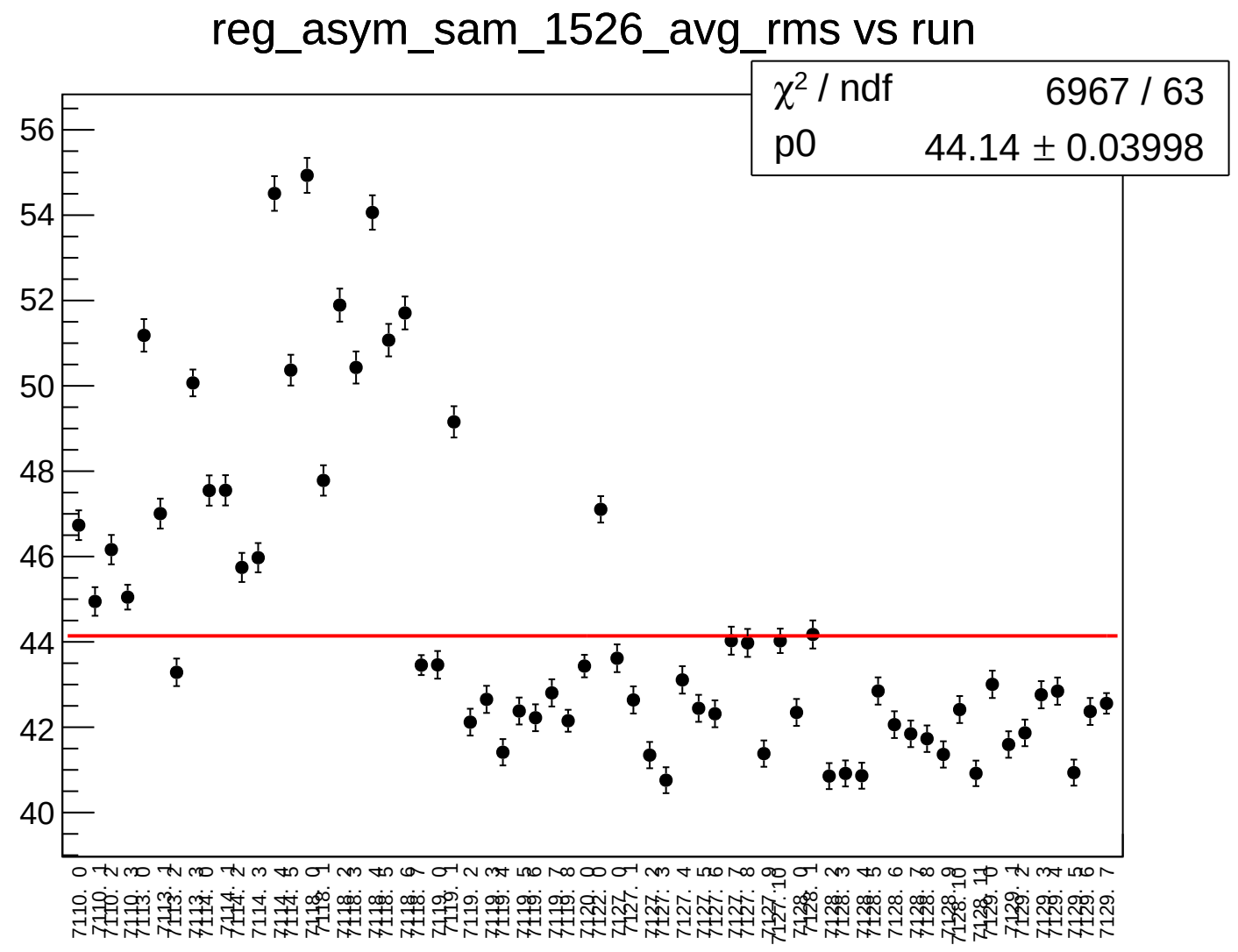

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.37 / 63
p0 −0.2451± 0.1193
pull
Entries 64
Mean −81.8
Std Dev 0
pull1D
Entries 64
Mean 0.02704
Std Dev 0.8779

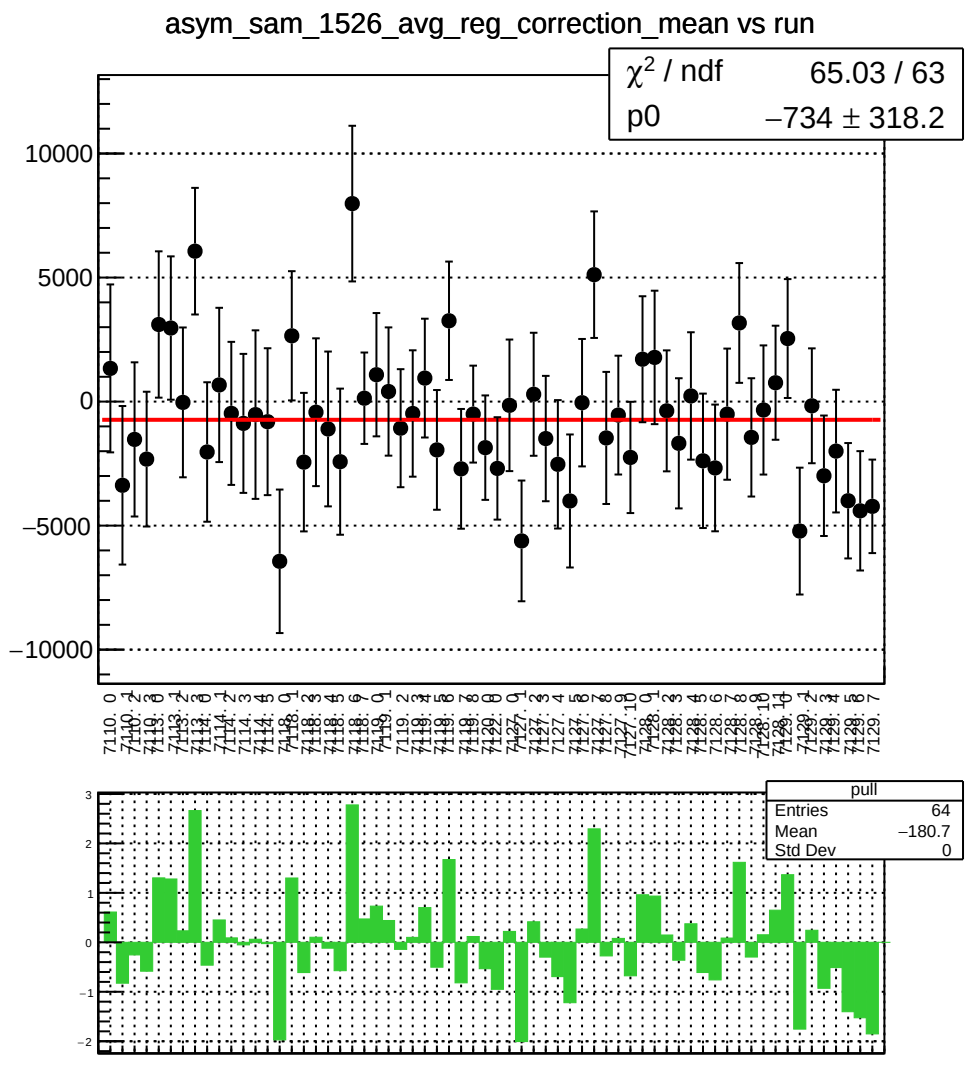

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.002e+05 / 63
p0 89.51 ± 0.08435
250
200
150
100
50

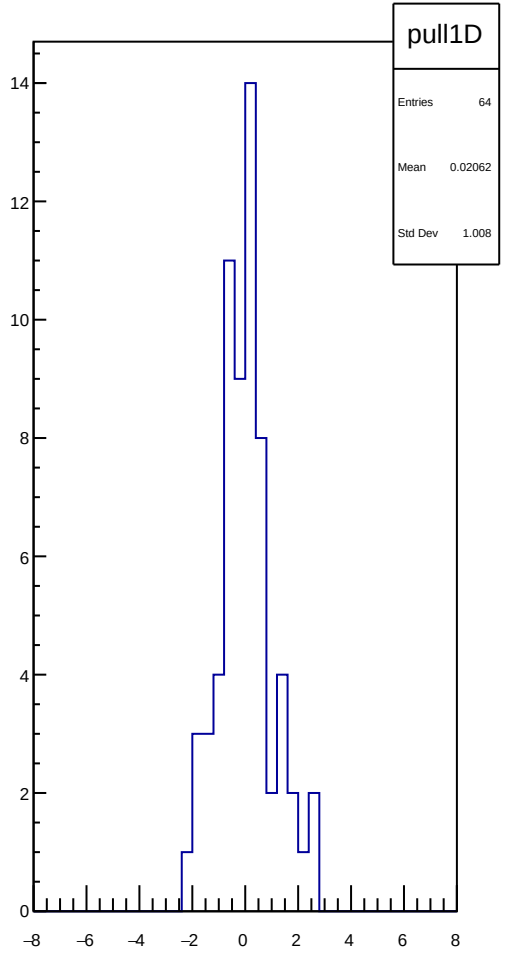

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.79 / 63
p0 −1.83e−14 ± 1.979e−14
pull
Entries 64
Mean 49.46
Std Dev 0
pull1D
Entries 64
Mean 0.03211
Std Dev 0.8171

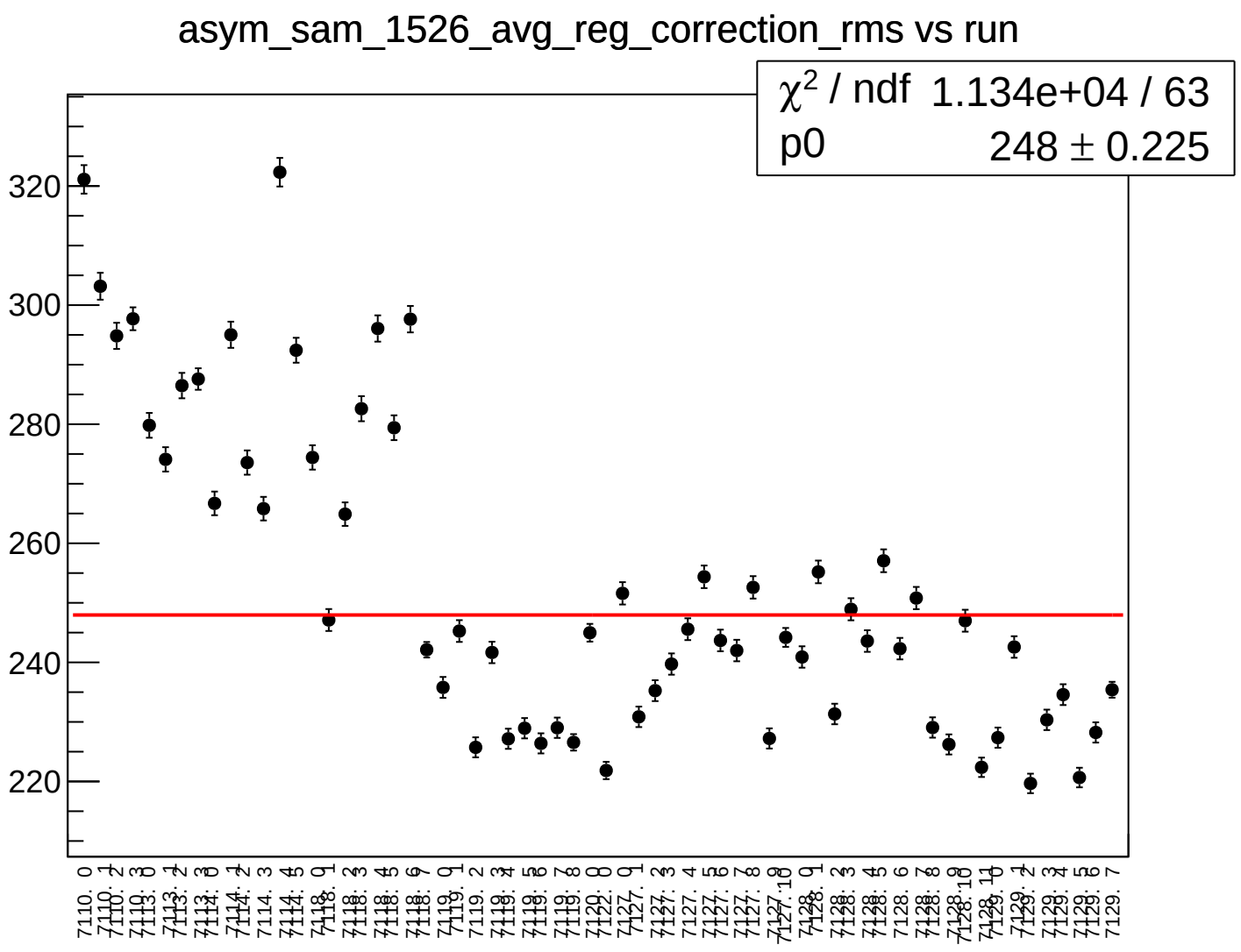

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.251e+05 / 63
p0 1.253e−11 ± 1.4e−14
70
60
50
40
30
20
10

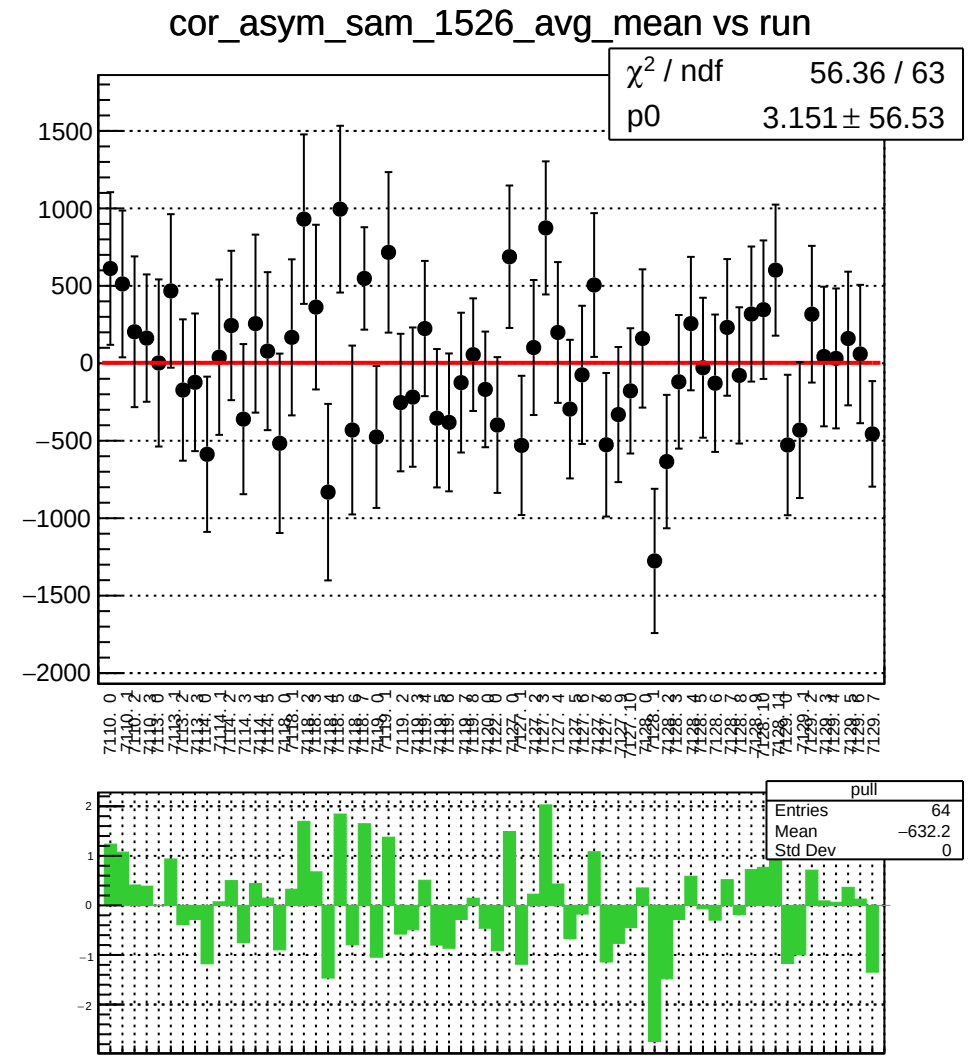

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 56.36 / 63
p0 3.161 ± 56.53
pull
Entries 64
Mean −632.2
Std Dev 0
pull1D
Entries 64
Mean 0.003804
Std Dev 0.9384

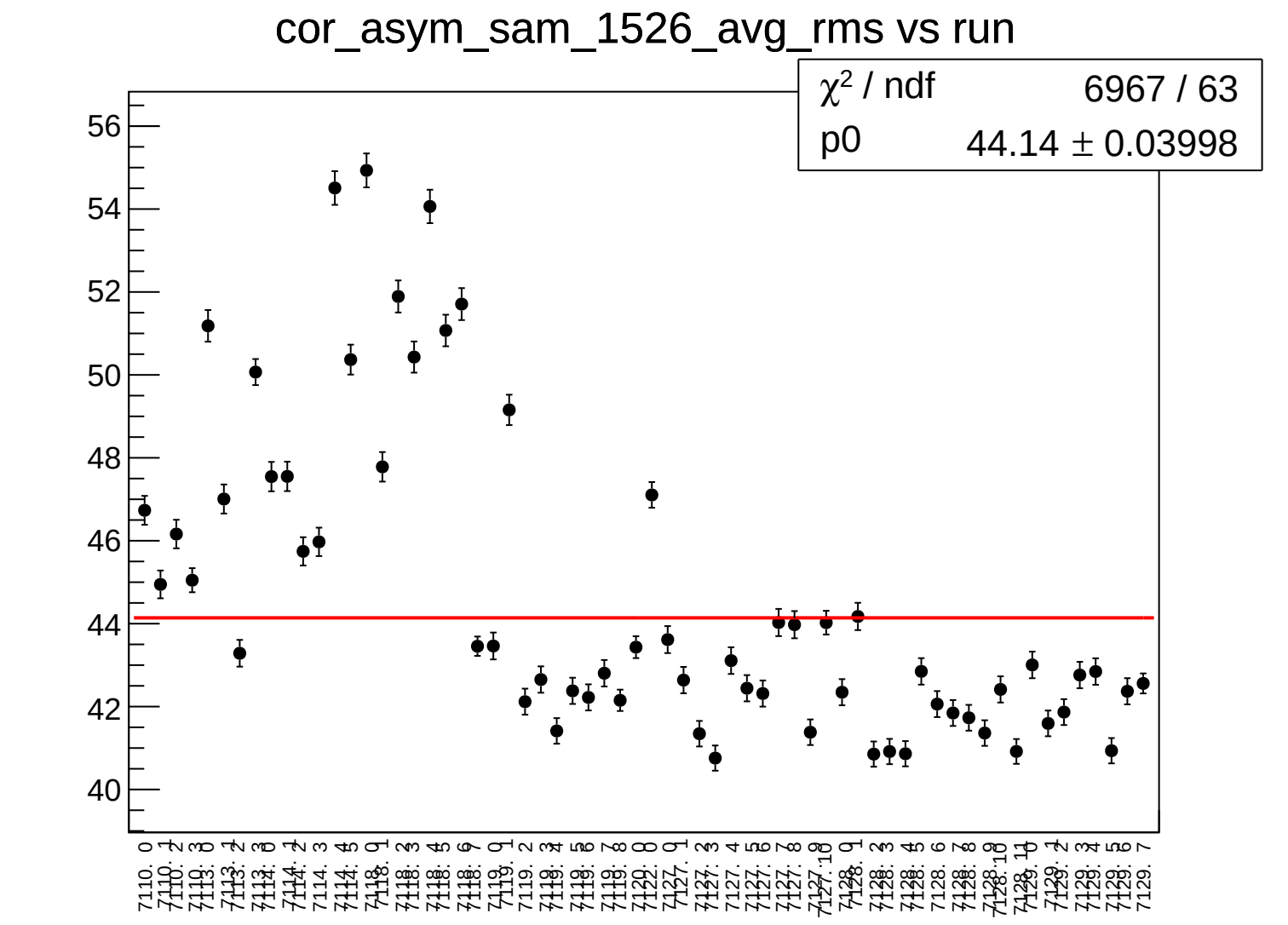

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 6967 / 63
p0 44.14 ± 0.03998
56
54
52
50
48
46
44
42
40

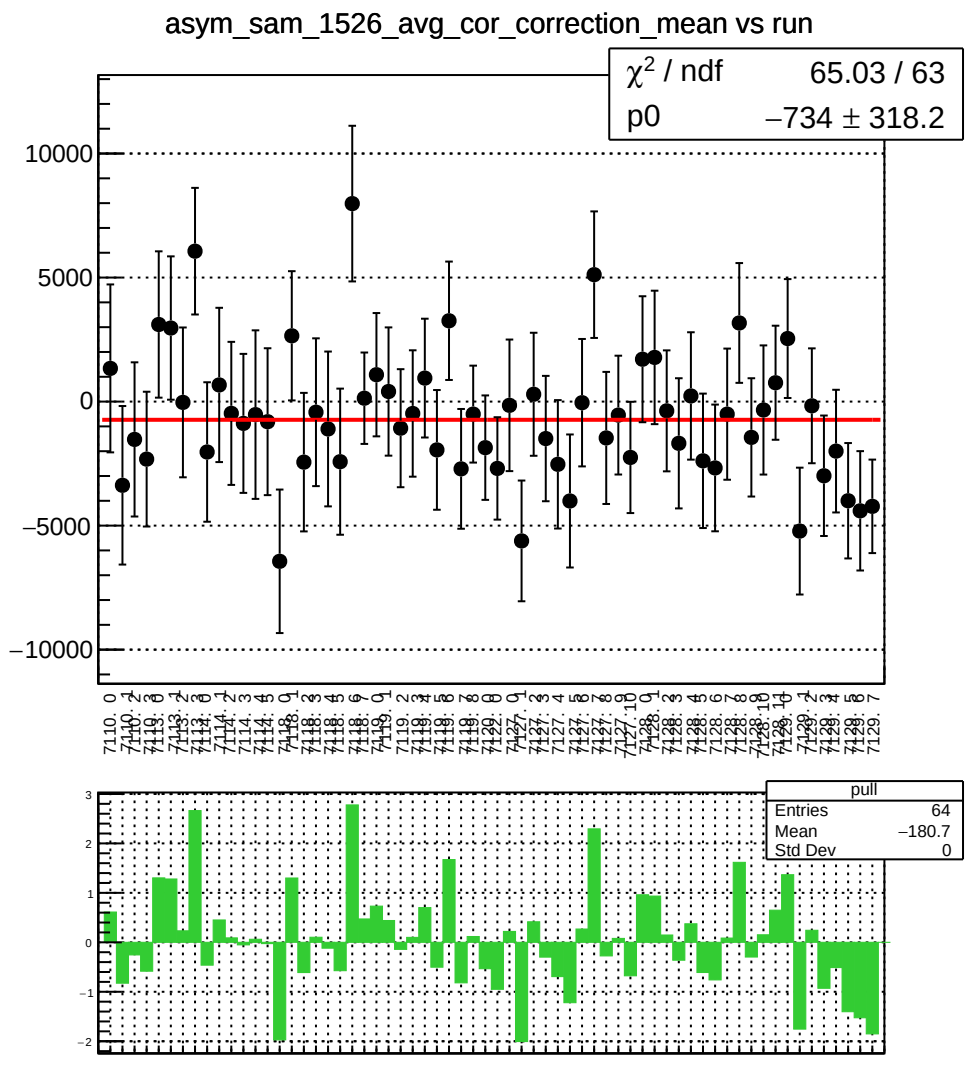

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 65.03 / 63
p0 −734 ± 318.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −180.7
Std Dev 0
3
2
1
0
−1
−2

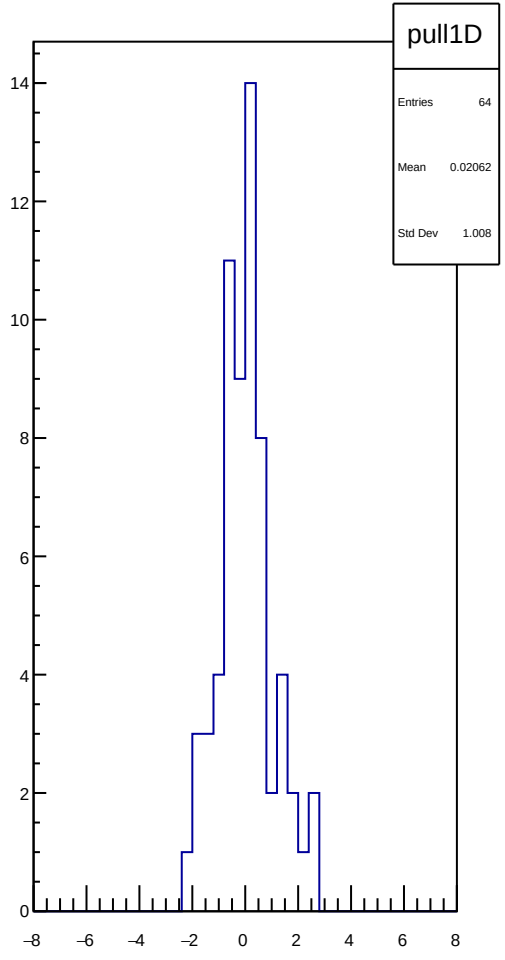

pull1D
Entries 64
Mean 0.02062
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

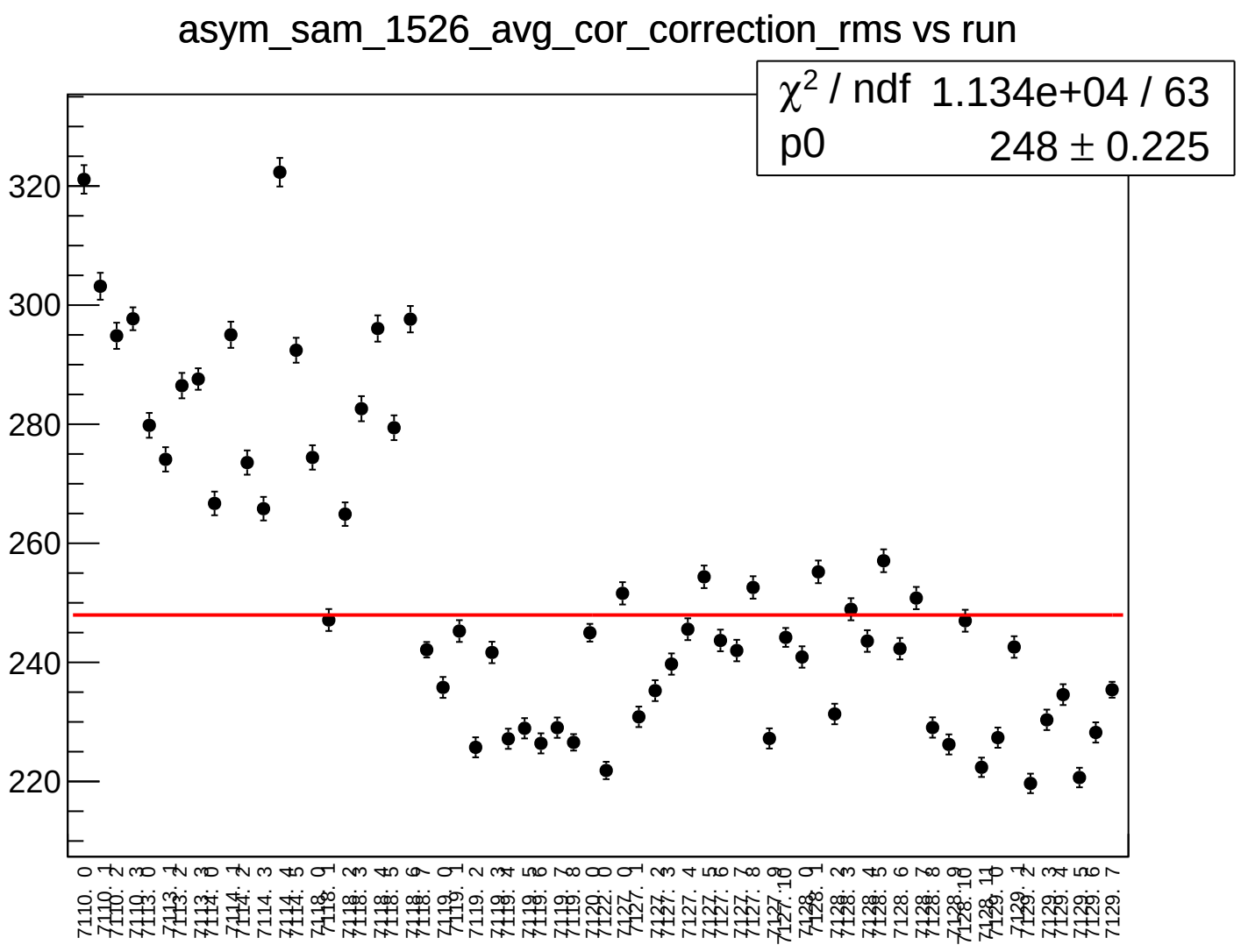

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1.134e+04 / 63
p0 248 ± 0.225
320
300
280
260
240
220

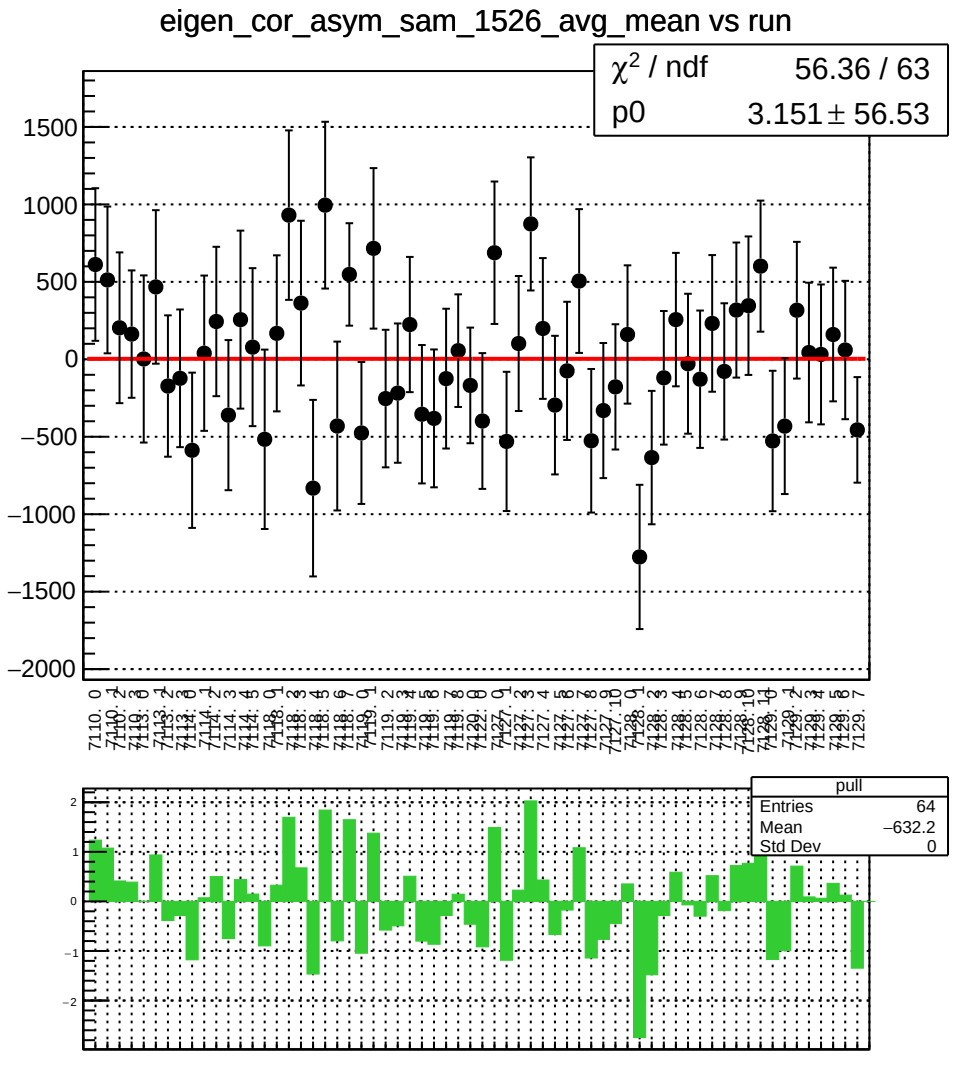

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 56.36 / 63
p0 3.151 ± 56.53
pull
Entries 64
Mean −632.2
Std Dev 0
pull1D
Entries 64
Mean 0.003803
Std Dev 0.9384

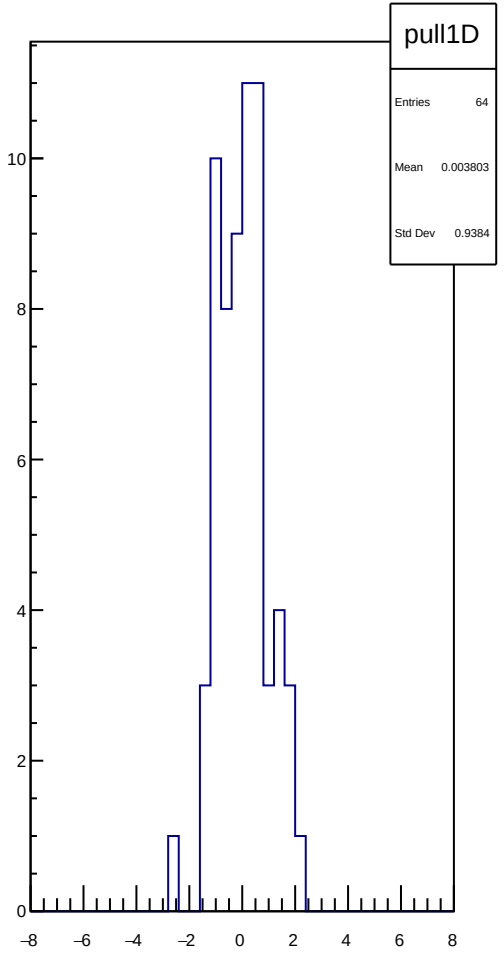

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 6967 / 63
p0 44.14 ± 0.03998
56
54
52
50
48
46
44
42
40

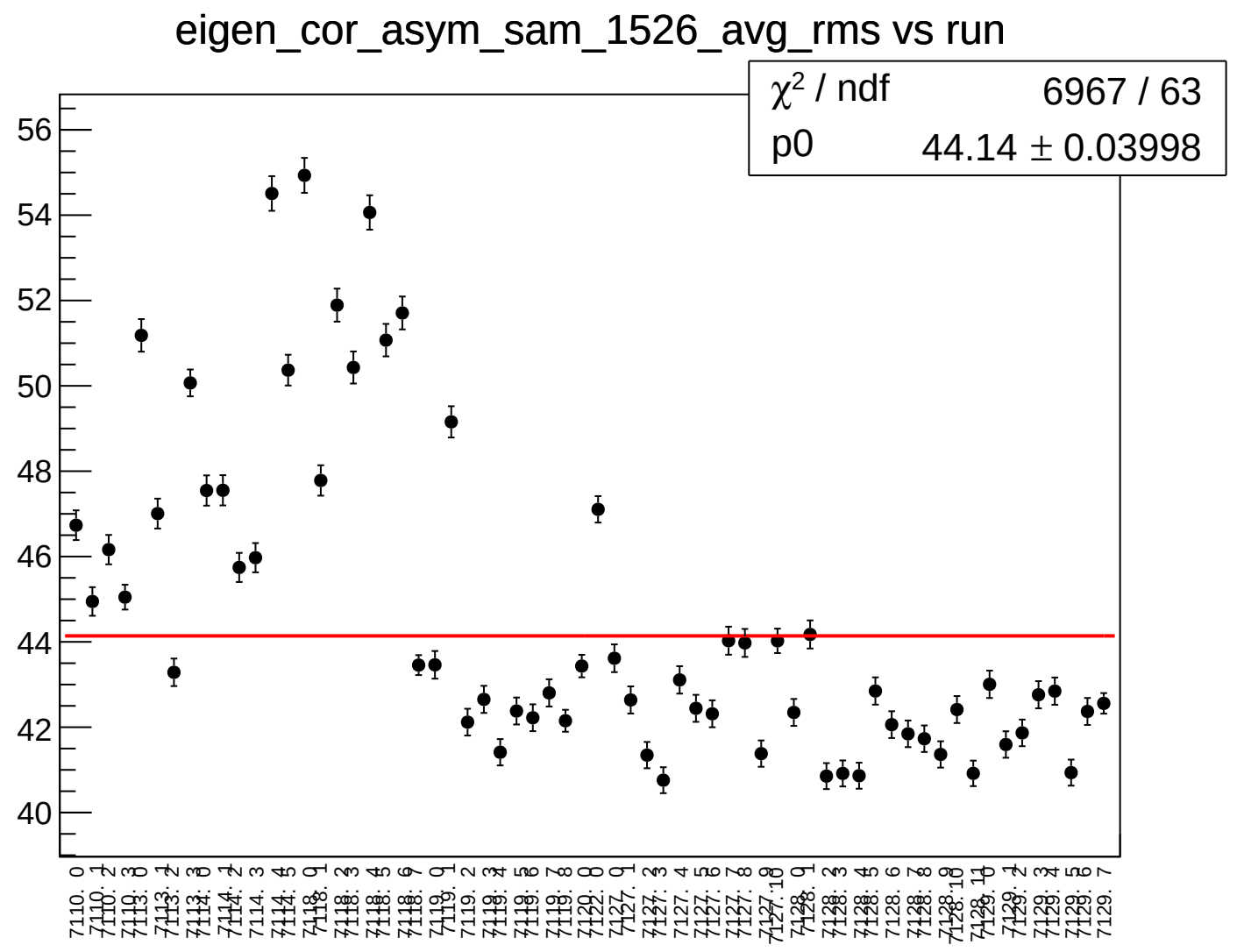

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 65.03 / 63
p0 −734 ± 318.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −180.7
Std Dev 0
3
2
1
0
−1
−2

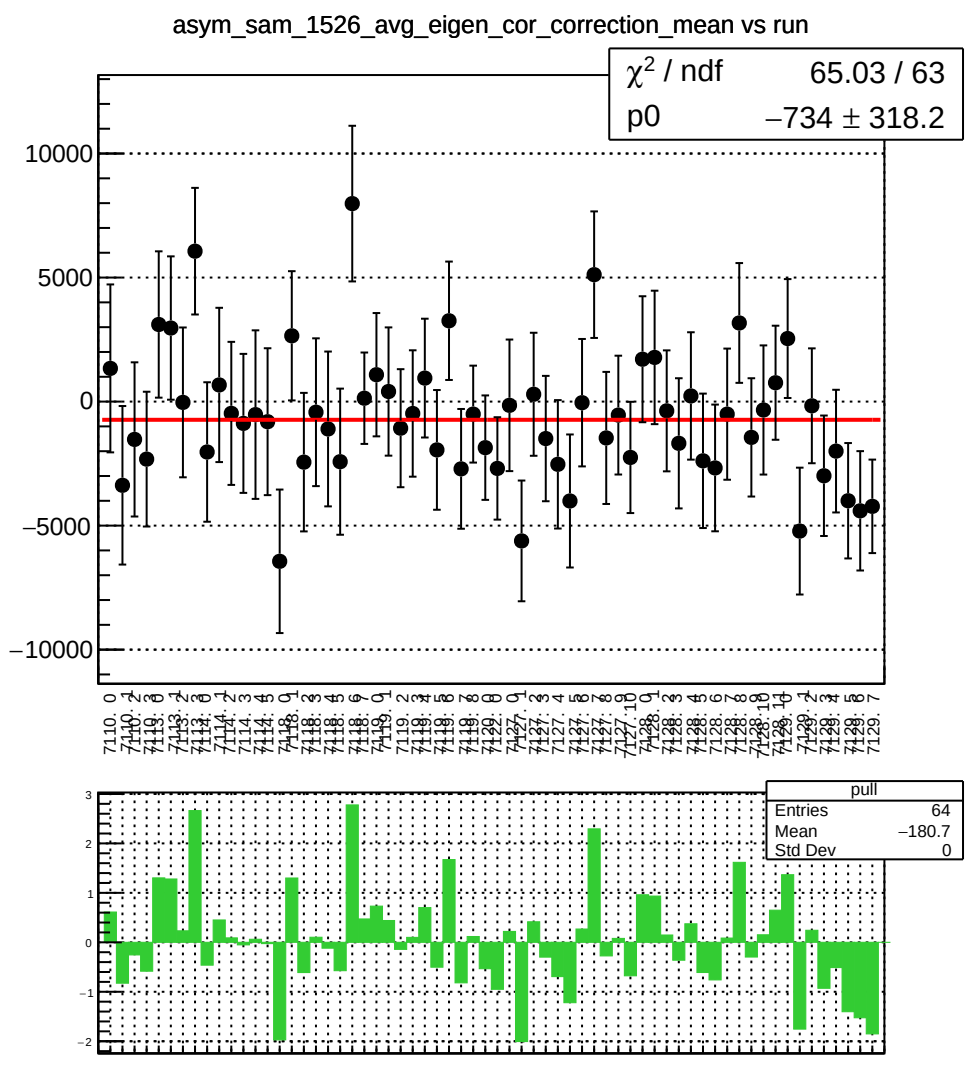

pull1D
Entries 64
Mean 0.02062
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

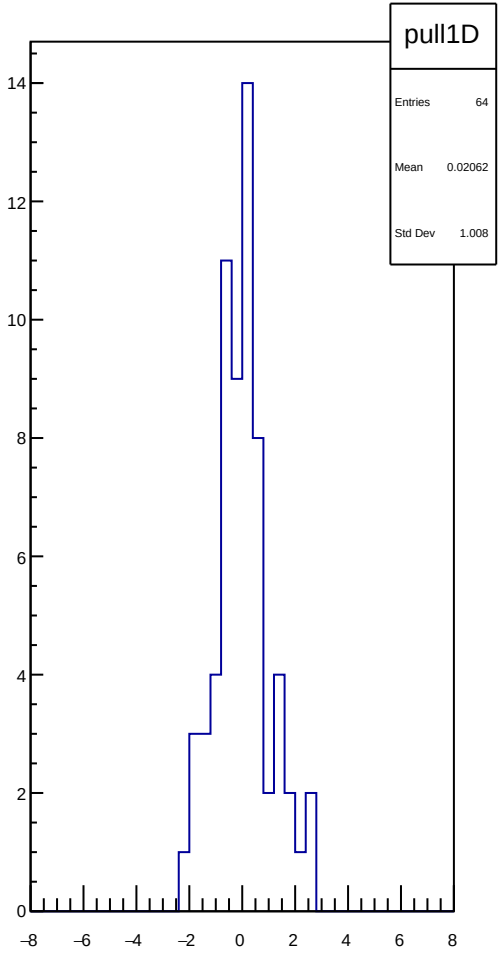

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1.134e+04 / 63
p0 248 ± 0.225
320
300
280
260
240
220

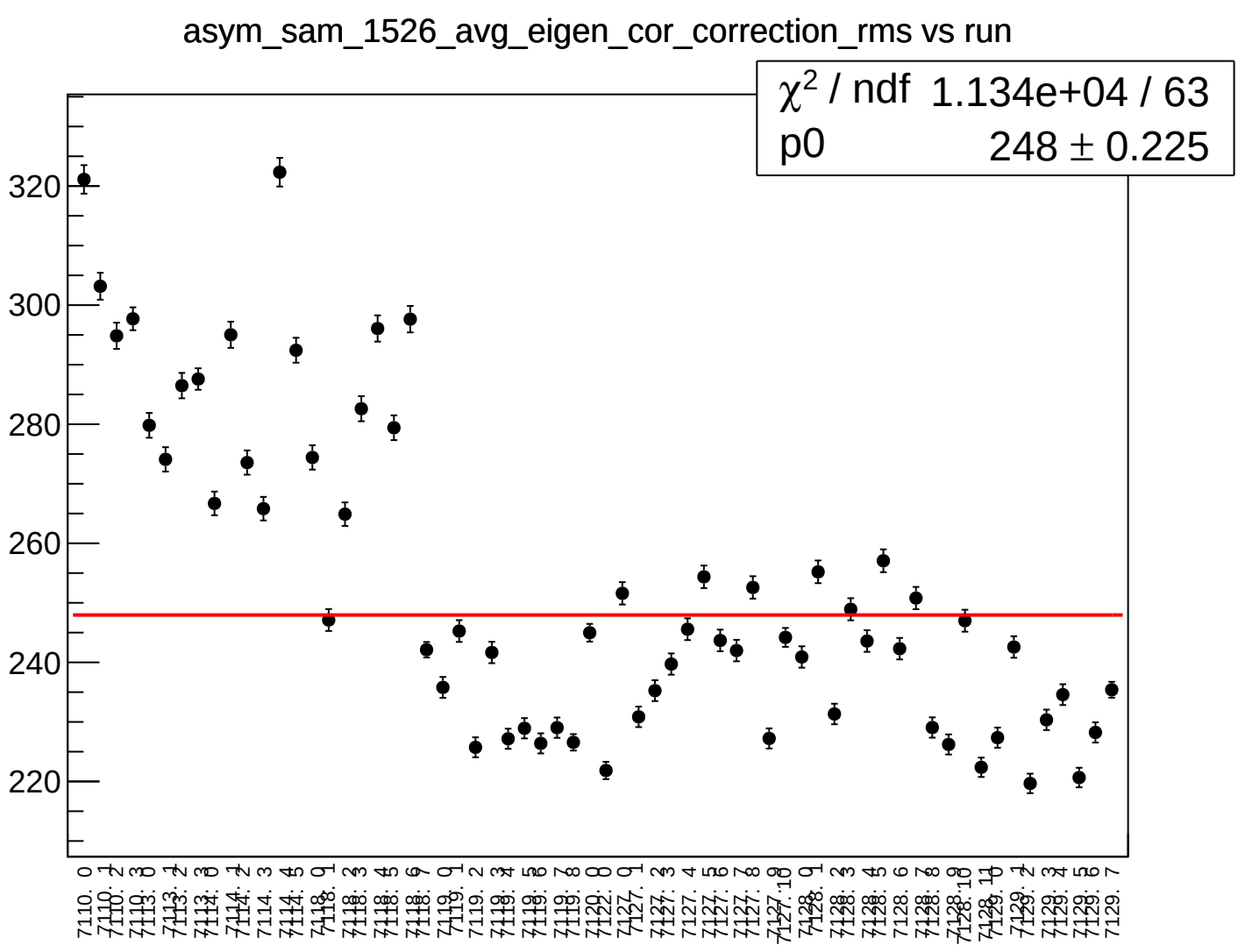

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 56.36 / 63
p0 3.151 ± 56.53
pull
Entries 64
Mean −632.2
Std Dev 0

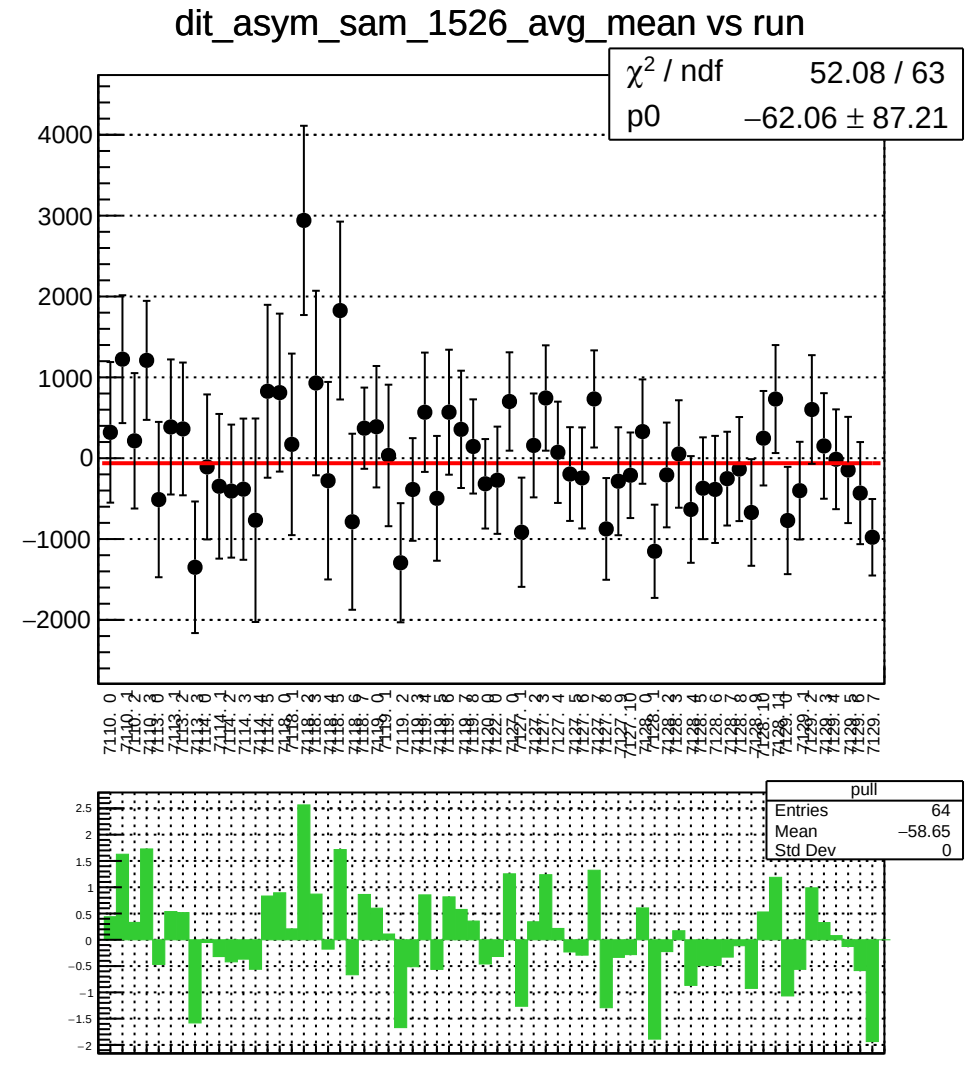

pull1D
Entries 64
Mean 0.003803
Std Dev 0.9384

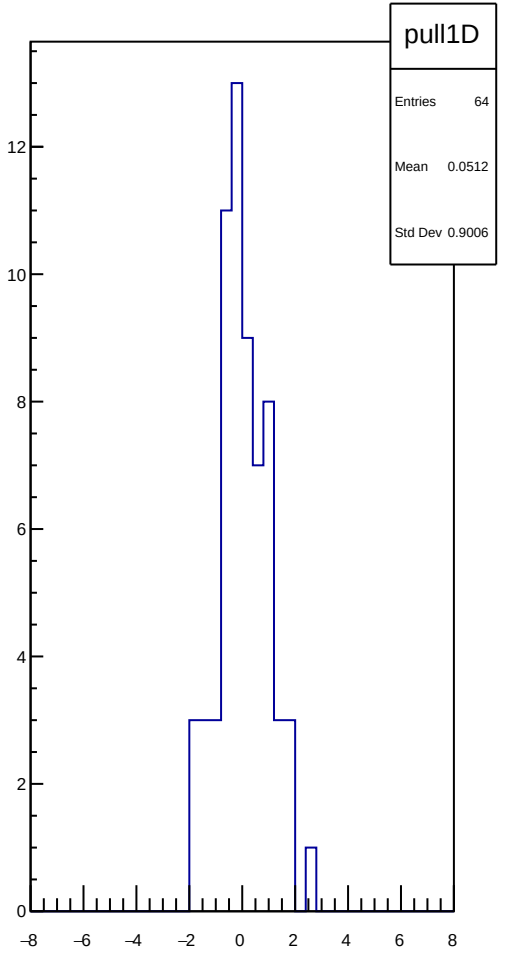

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 6967 / 63
p0 44.14 ± 0.03998
56
54
52
50
48
46
44
42
40

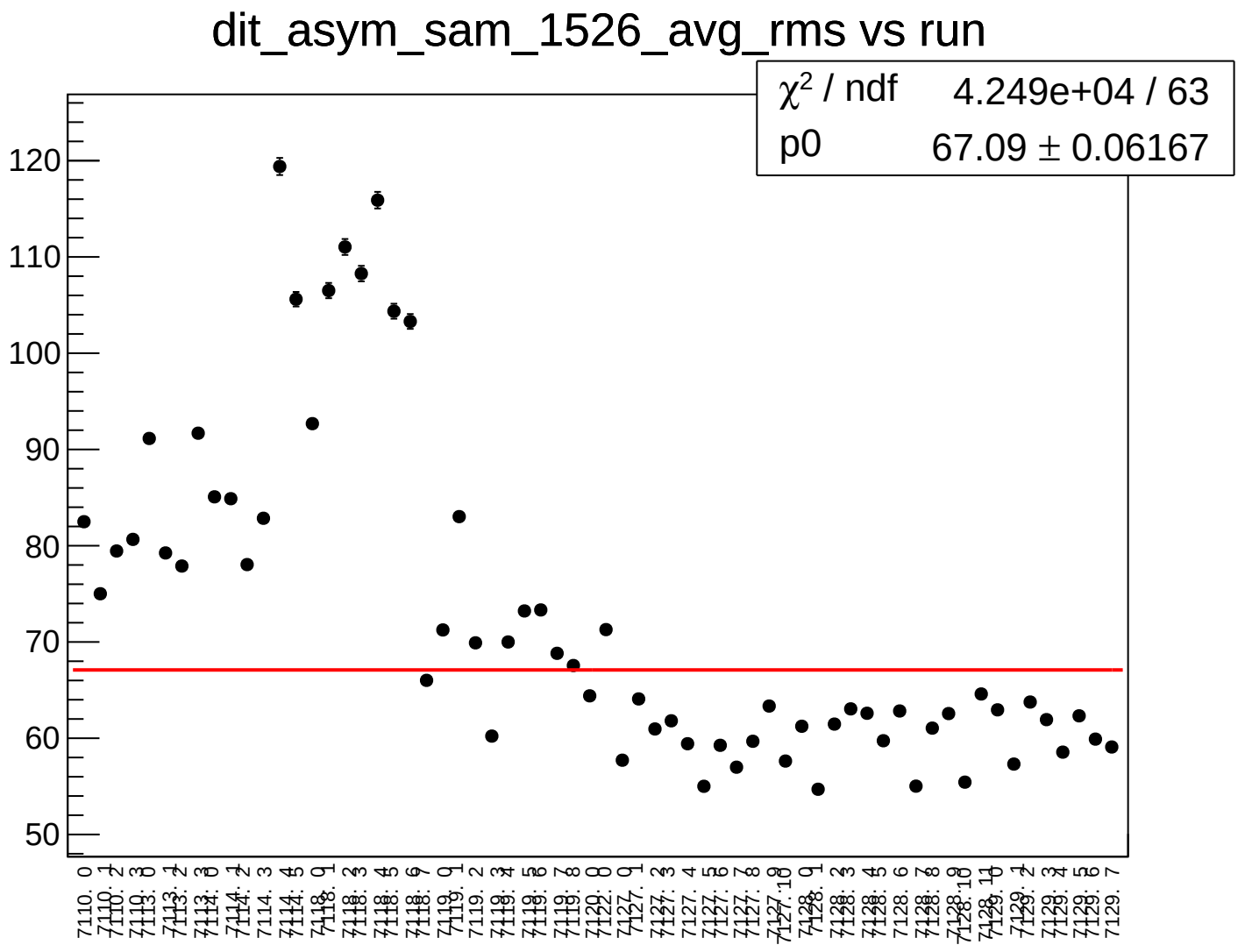

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.03 / 63
p0 −734 ± 318.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −180.7
Std Dev 0
3
2
1
0
−1
−2

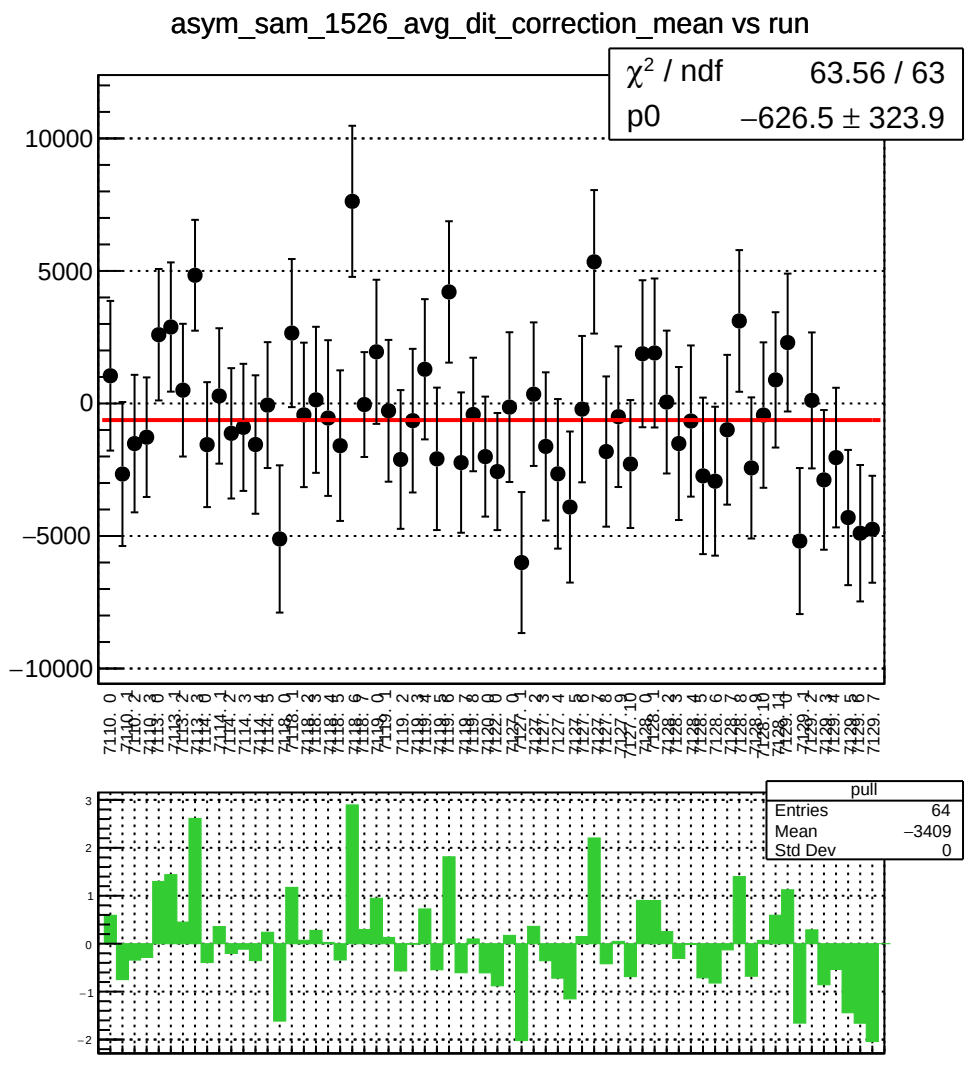

pull1D
Entries 64
Mean 0.02062
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

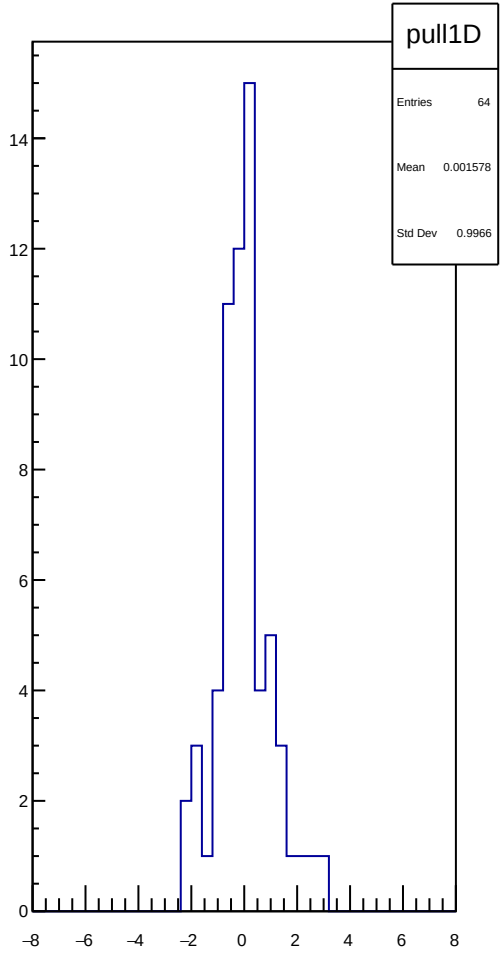

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.134e+04 / 63
p0 248 ± 0.225
320
300
280
260
240
220

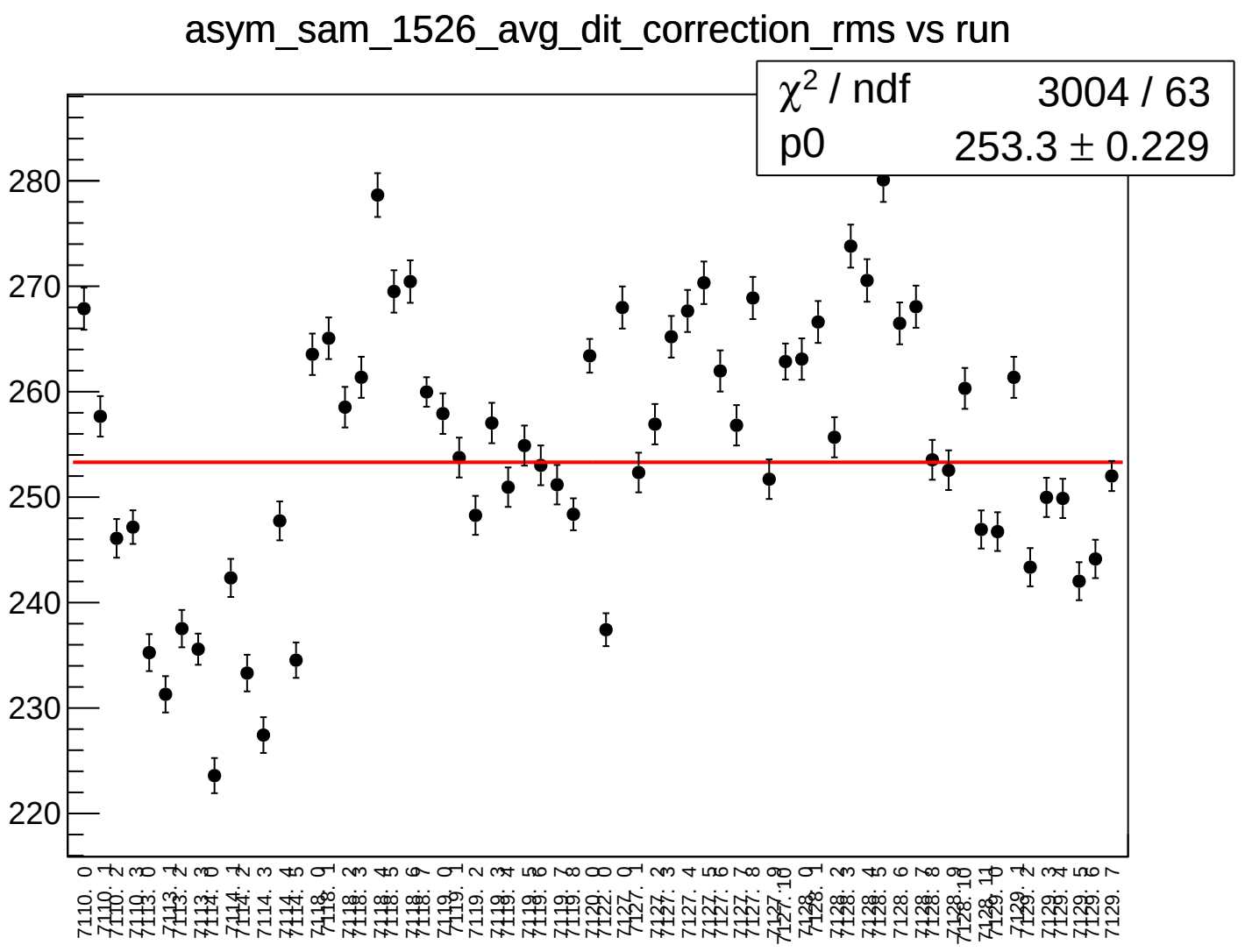

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 52.08 / 63
p0 −62.06 ± 87.21
pull
Entries 64
Mean −58.65
Std Dev 0

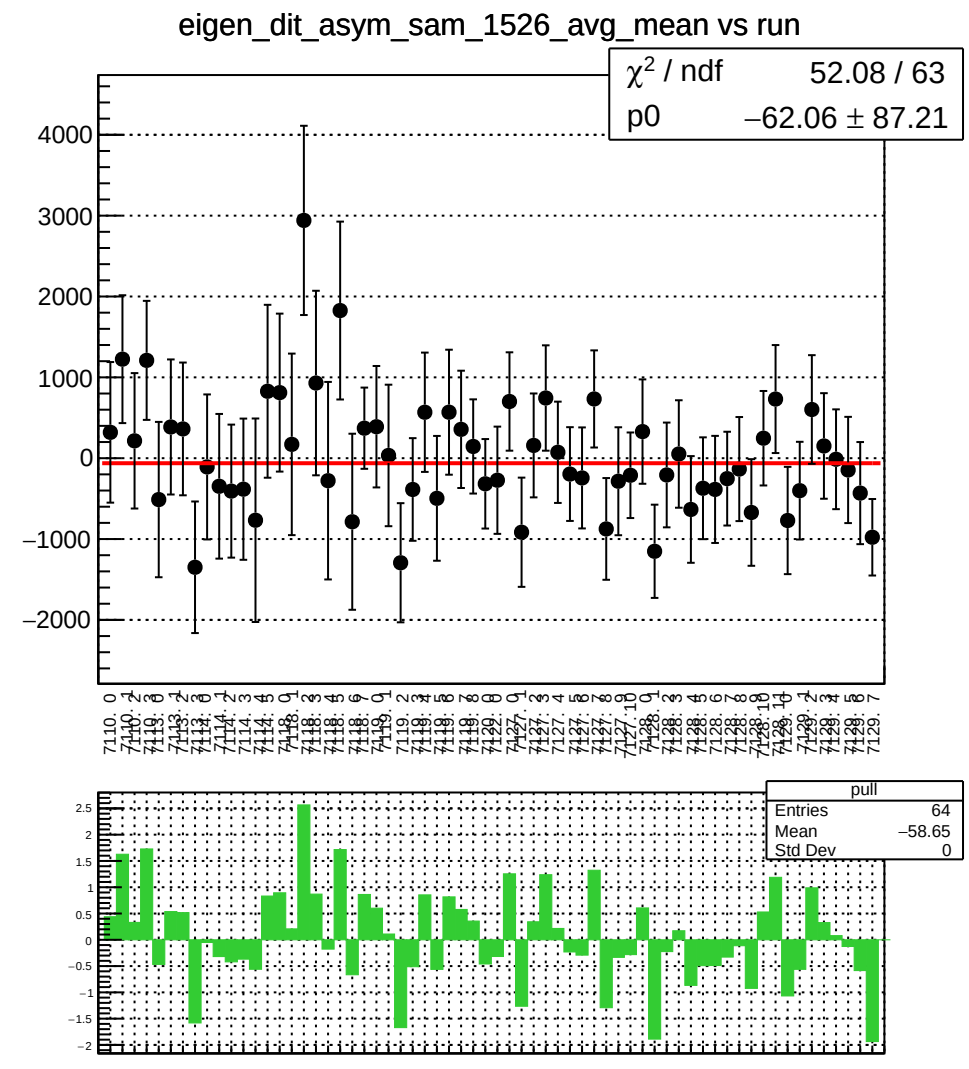

pull1D
Entries 64
Mean 0.0512
Std Dev 0.9006

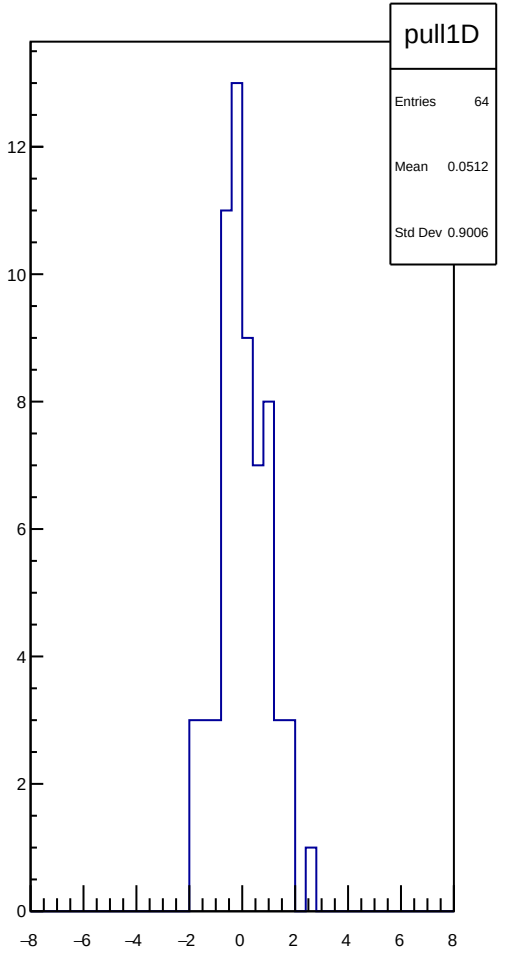

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 4.249e+04 / 63
p0 67.09 ± 0.06167
120
110
100
90
80
70
60
50

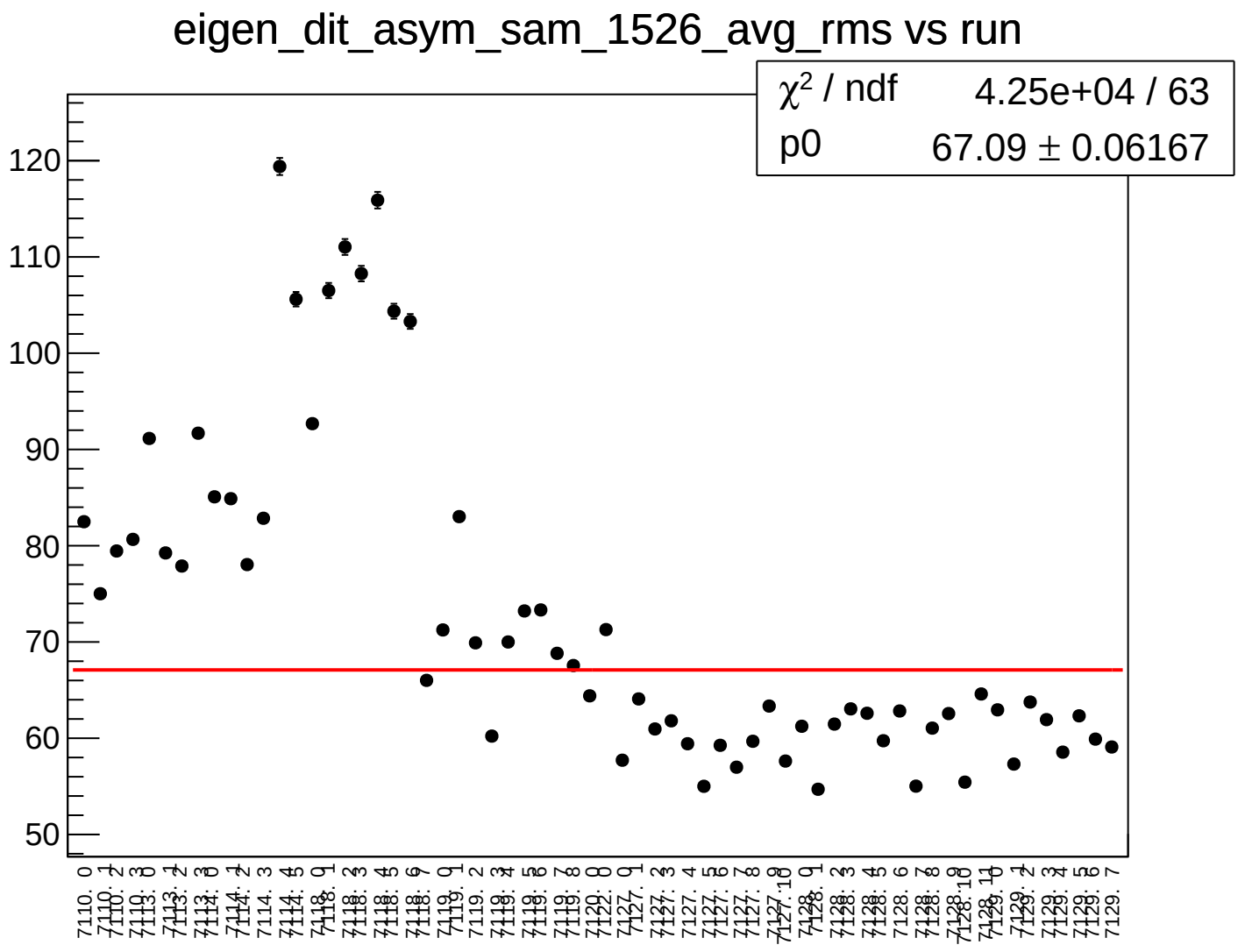

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 63.56 / 63
p0 −626.5 ± 323.9
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −3409
Std Dev 0

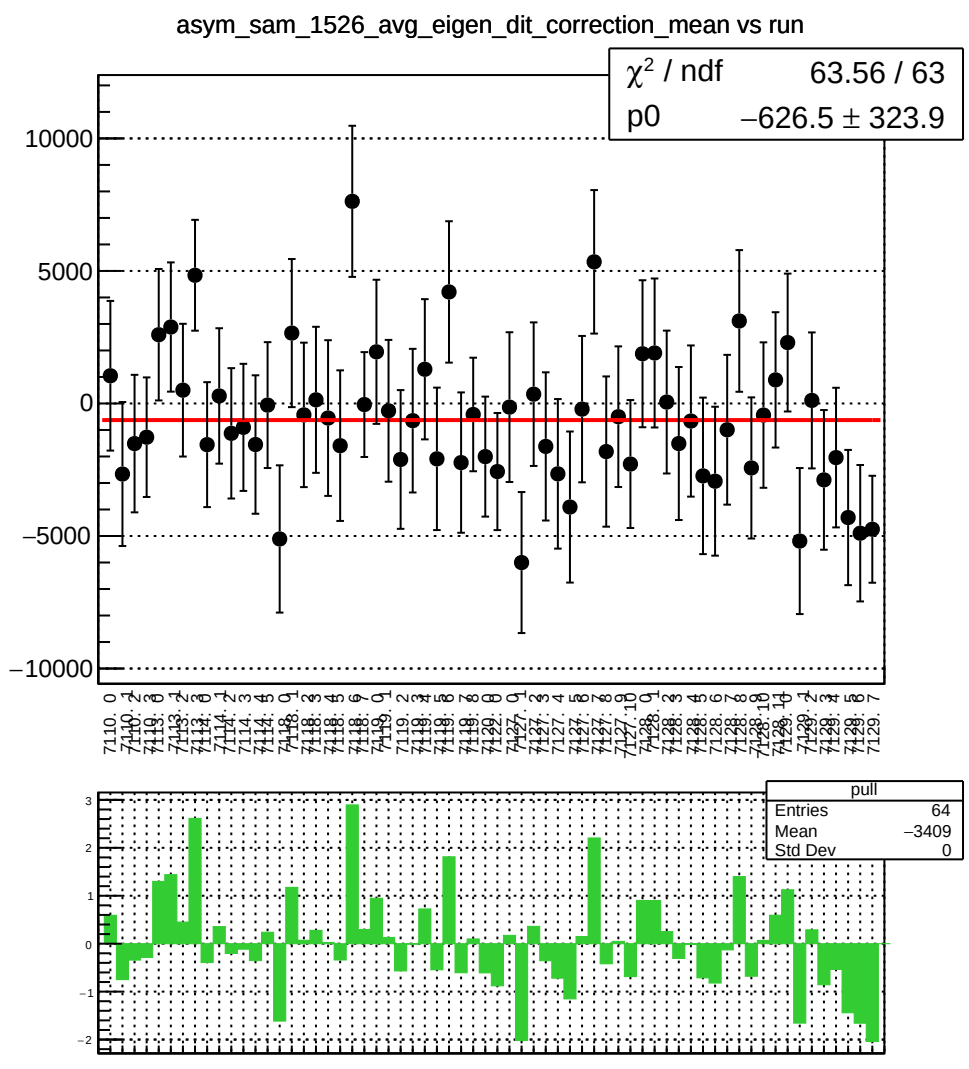

pull1D
Entries 64
Mean 0.001578
Std Dev 0.9966

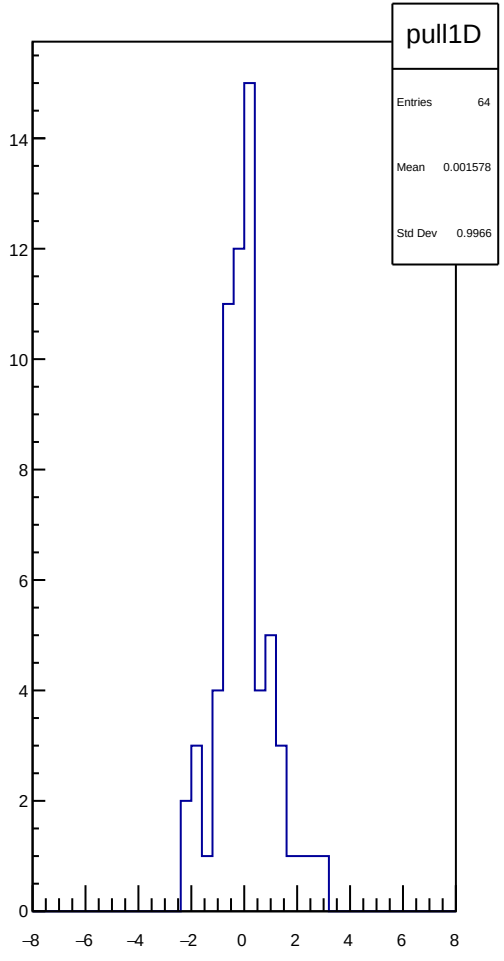

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 3004 / 63
p0 253.3 ± 0.229
280
270
260
250
240
230
220

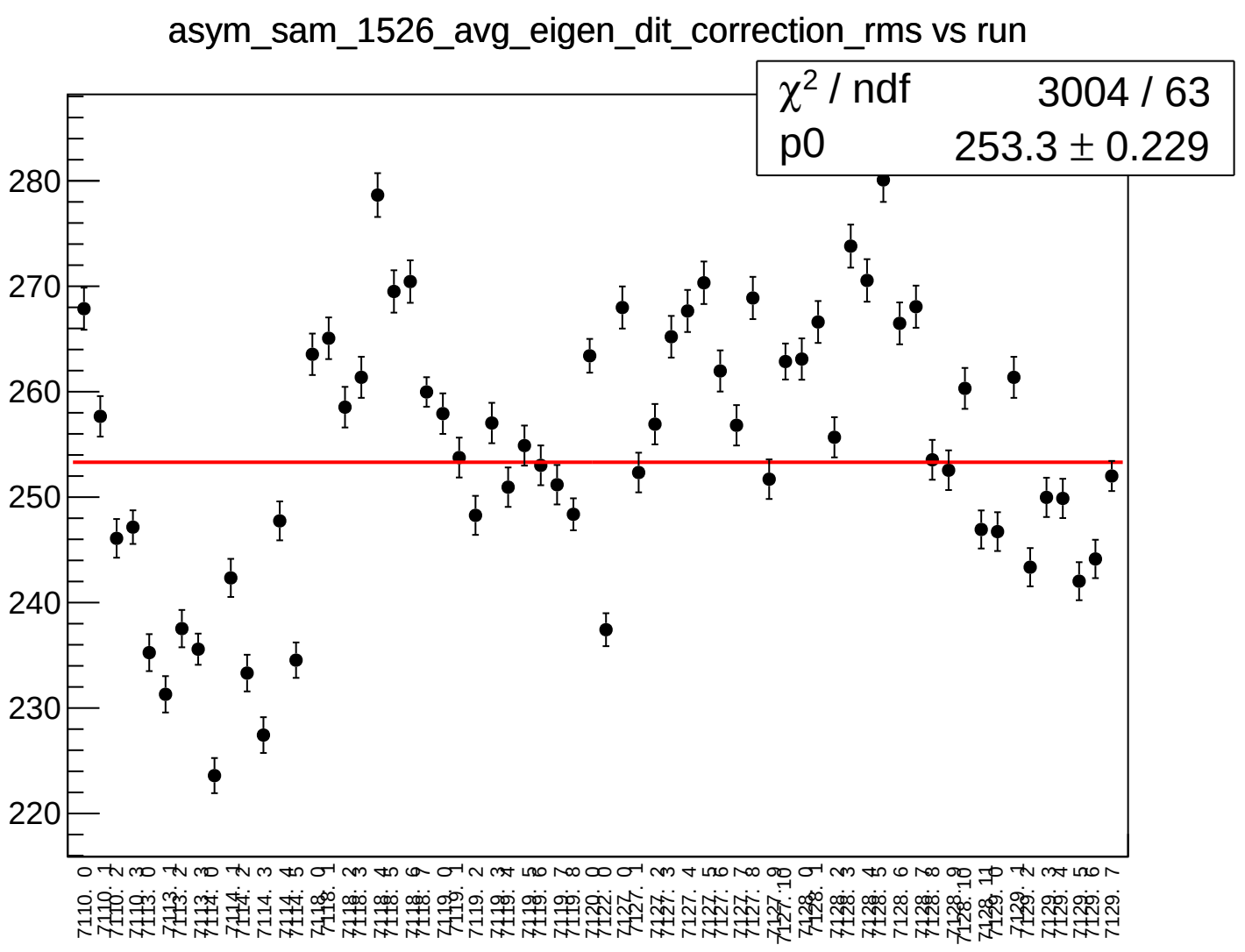

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 52.08 / 63
p0 −62.06 ± 87.21
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −58.65
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

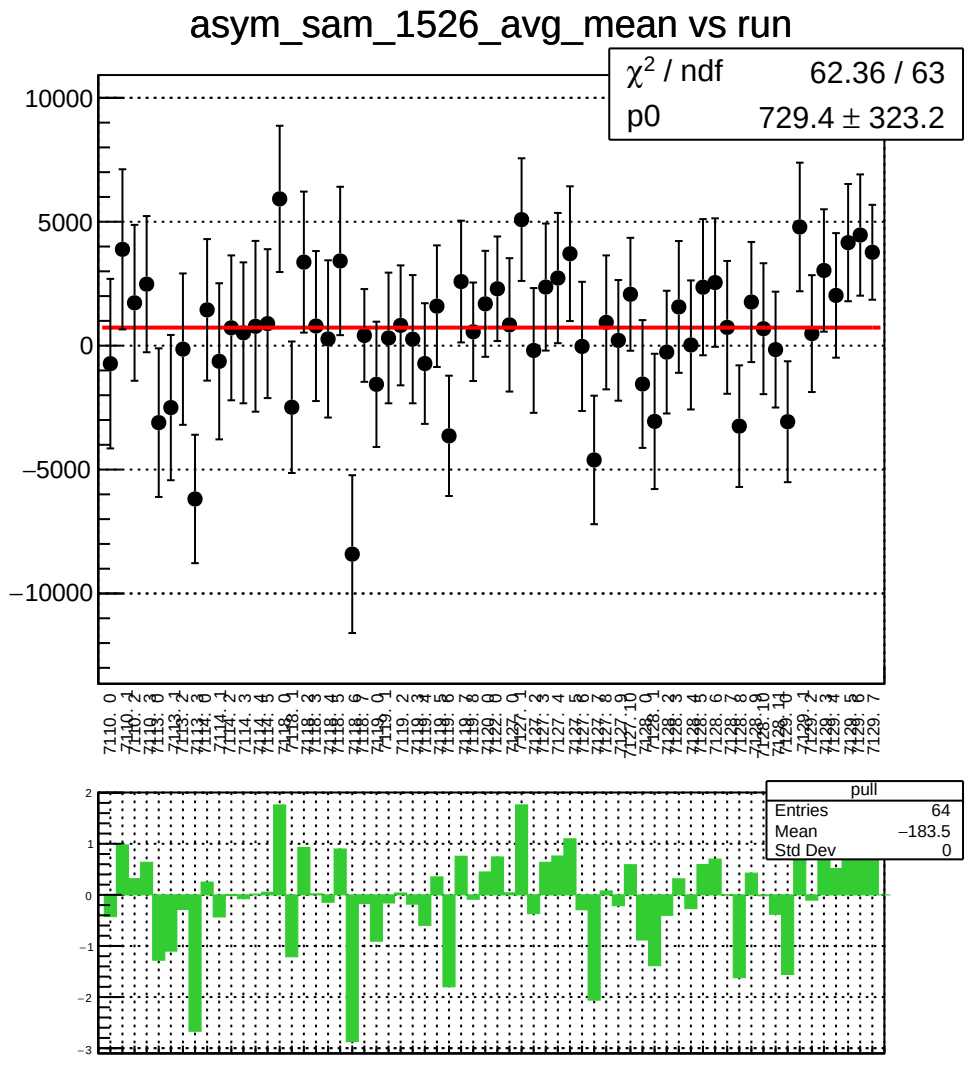

pull1D
Entries 64
Mean 0.0512
Std Dev 0.9006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

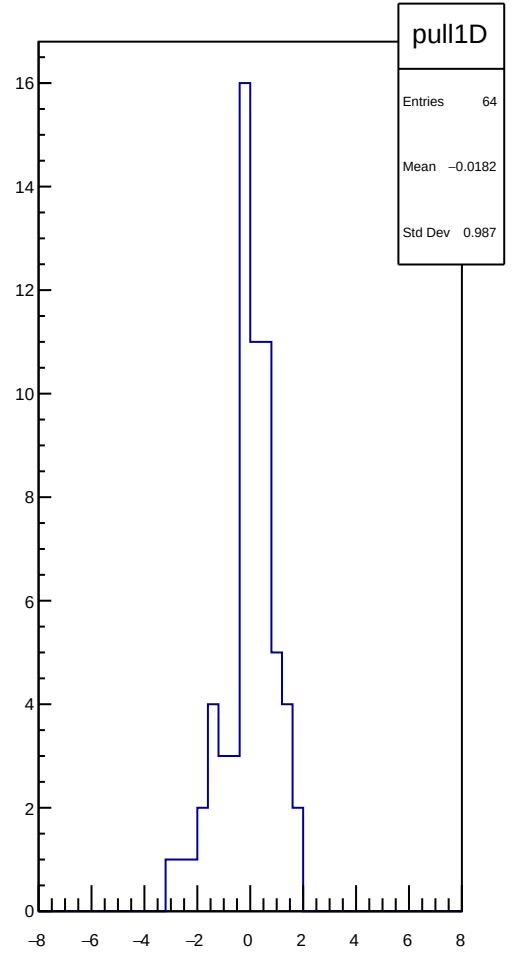

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 4.25e+04 / 63
p0 67.09 ± 0.06167
120
110
100
90
80
70
60
50

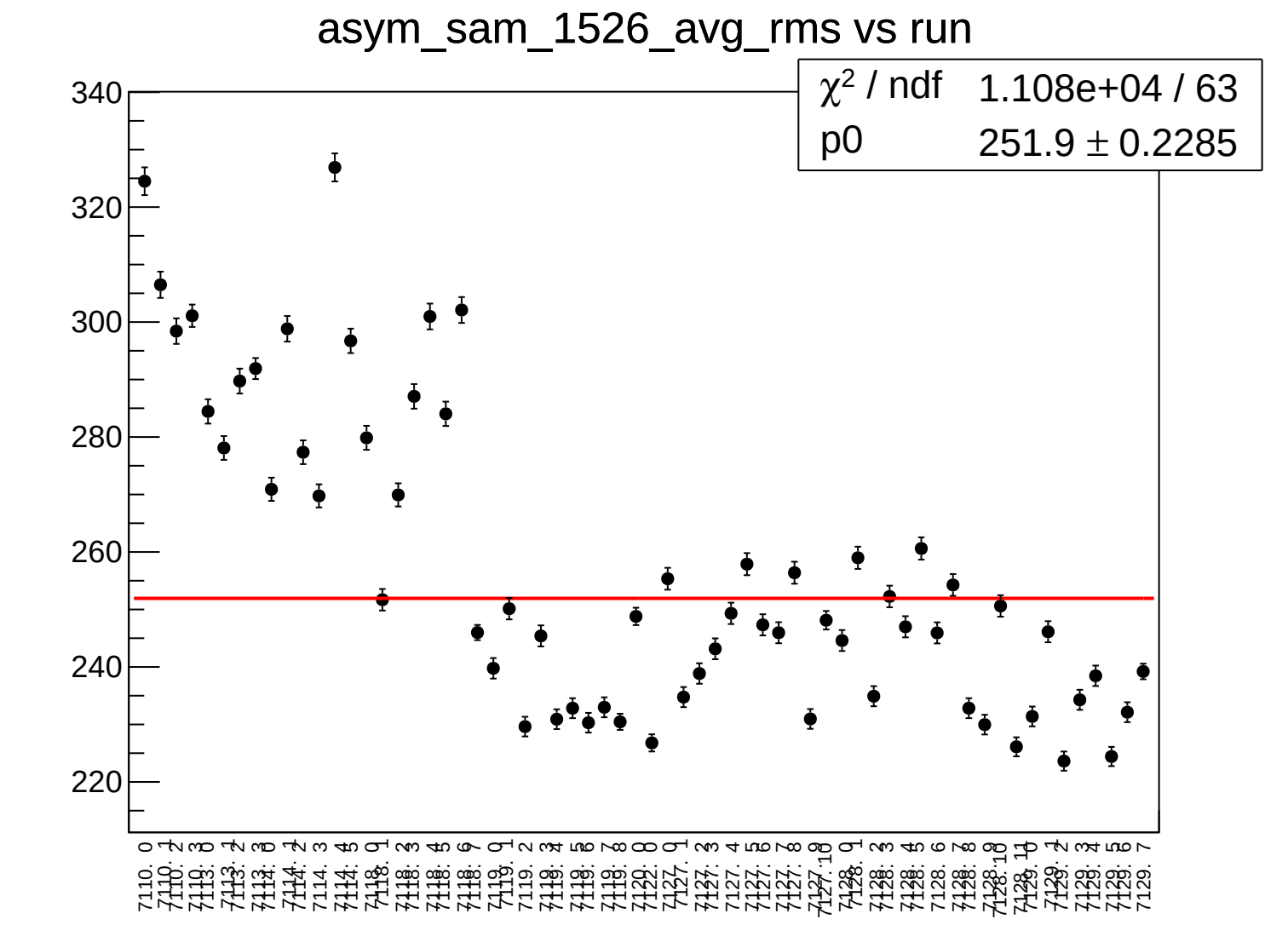

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.56 / 63
p0 −626.5 ± 323.9
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −3409
Std Dev 0
3
2
1
0
−1
−2

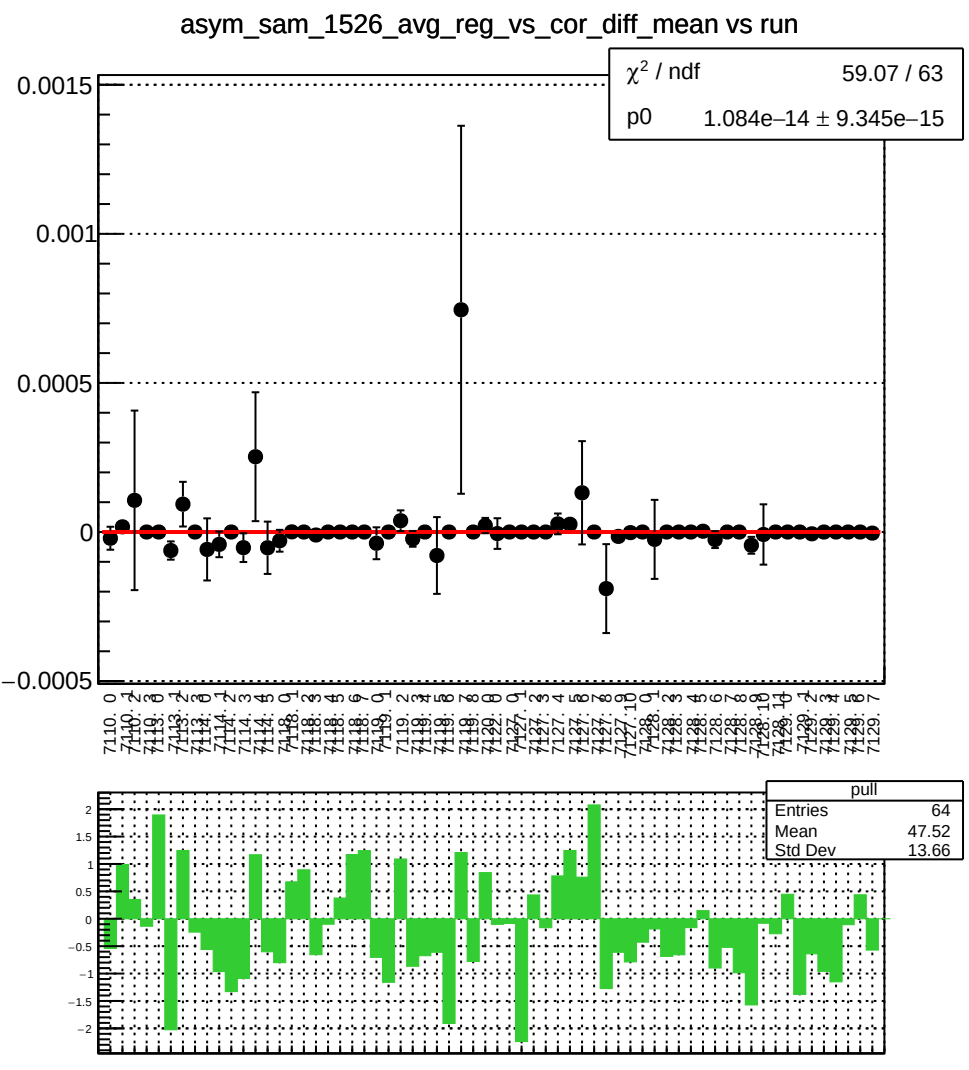

pull1D
Entries 64
Mean 0.001578
Std Dev 0.9966
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

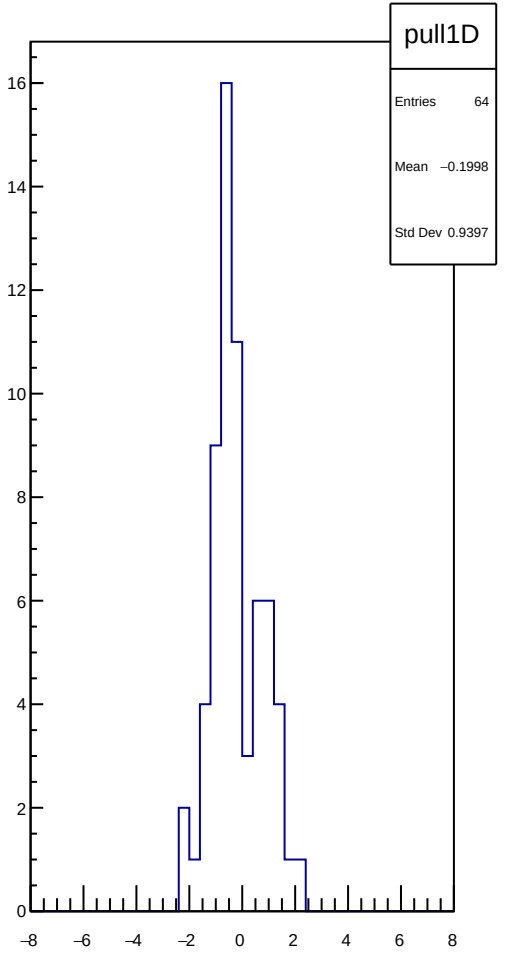

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 3004 / 63
p0 253.3 ± 0.229
280
270
260
250
240
230
220

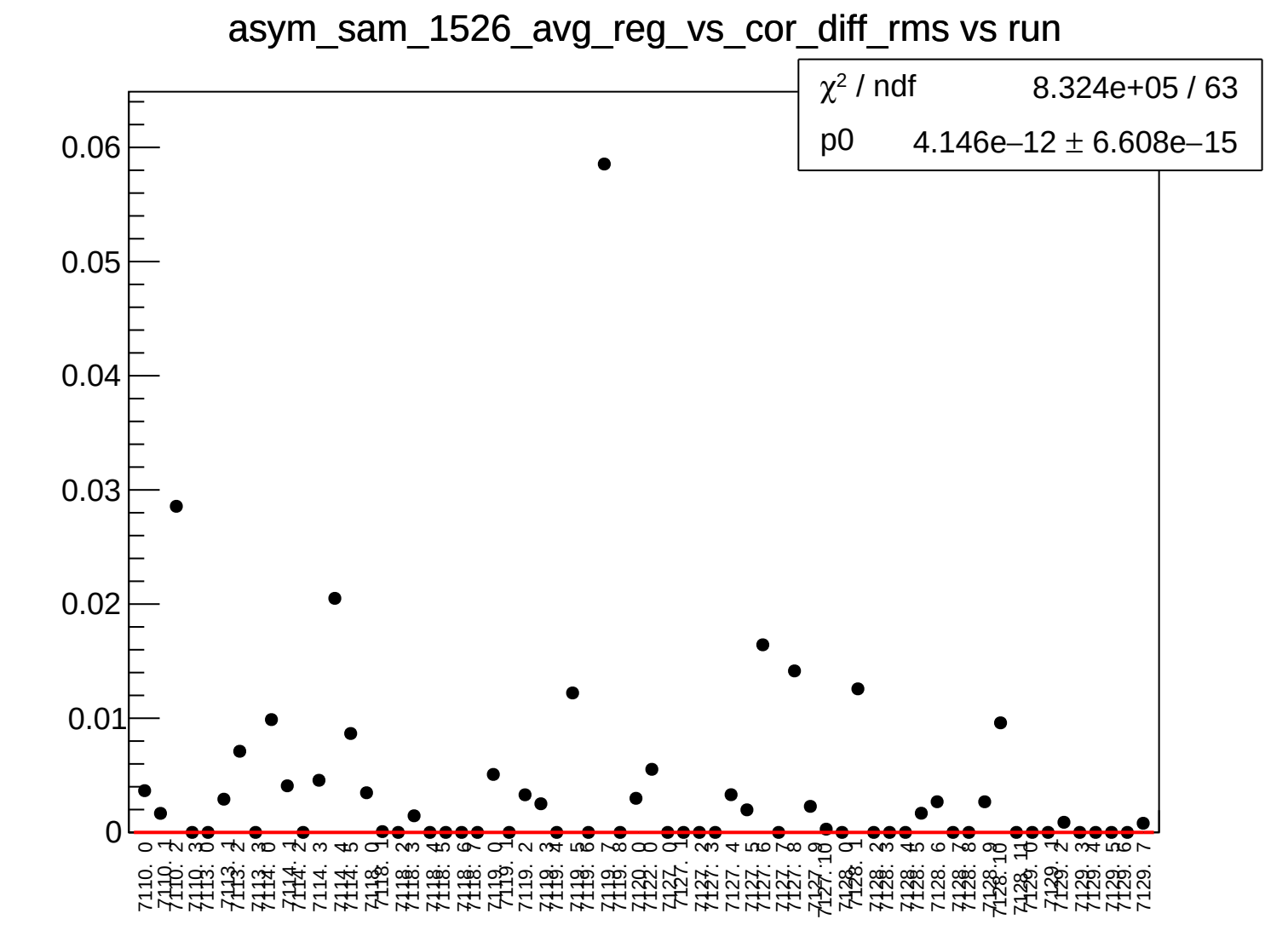

asym_sam_1526_avg_mean vs run
χ² / ndf 62.36 / 63
p0 729.4 ± 323.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −183.5
Std Dev 0
2
1
0
−1
−2
−3

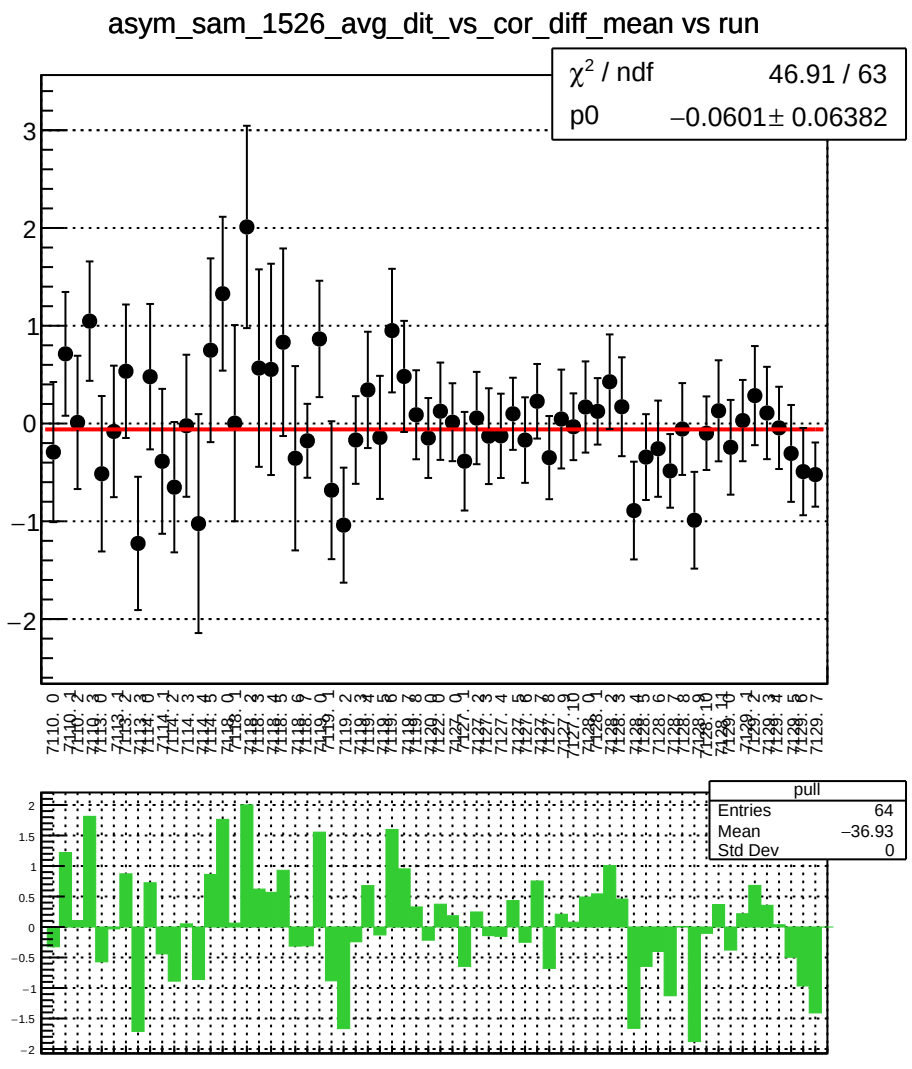

pull1D
Entries 64
Mean −0.0182
Std Dev 0.987
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

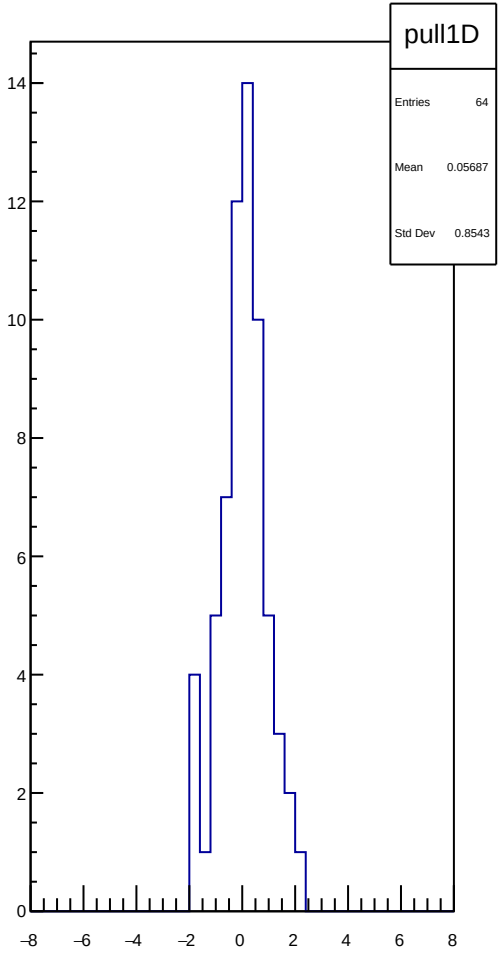

asym_sam_1526_avg_rms vs run
χ² / ndf 1.108e+04 / 63
p0 251.9 ± 0.2285
340
320
300
280
260
240
220

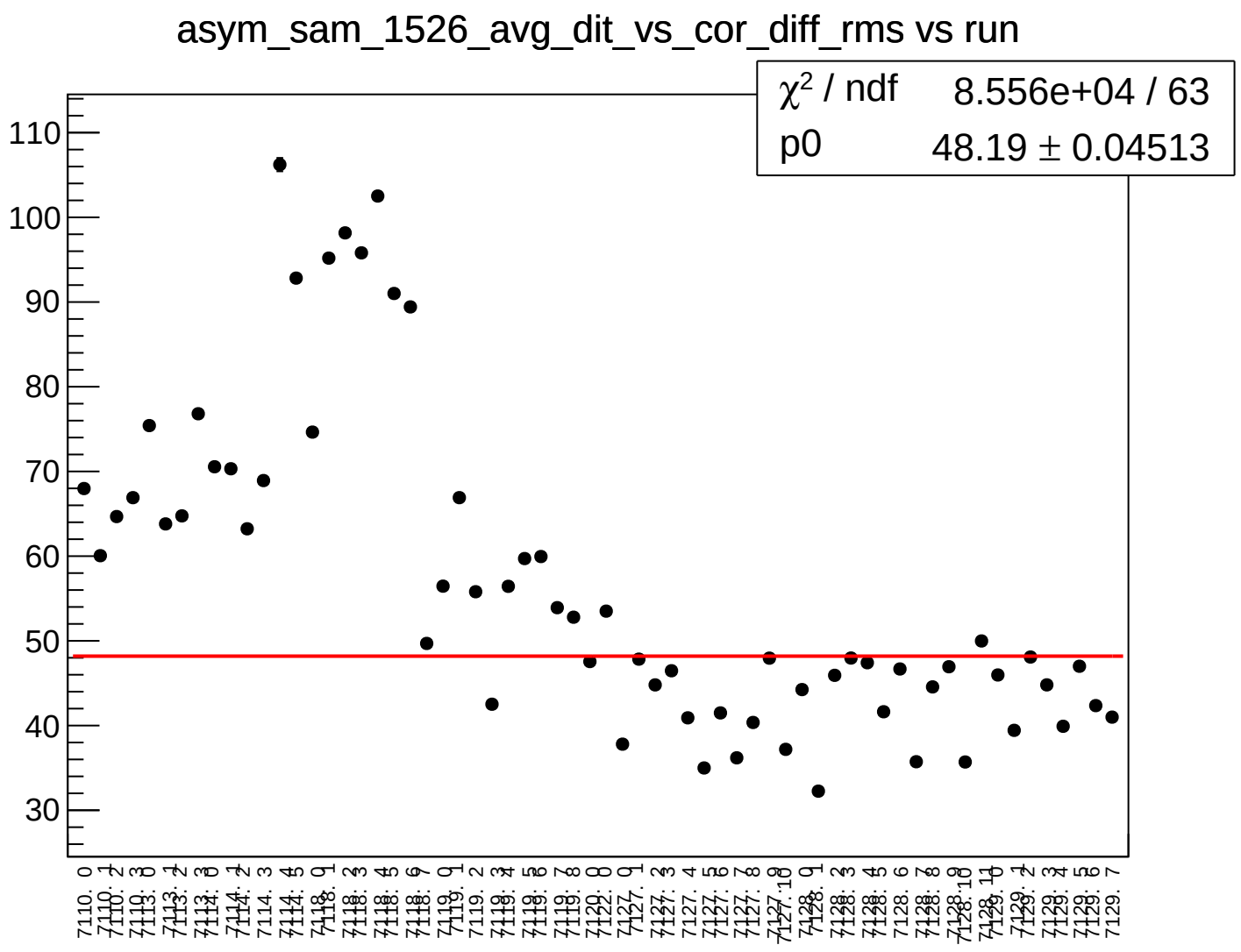

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.07 / 63
p0 1.084e−14 ± 9.345e−15
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 64
Mean 47.52
Std Dev 13.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

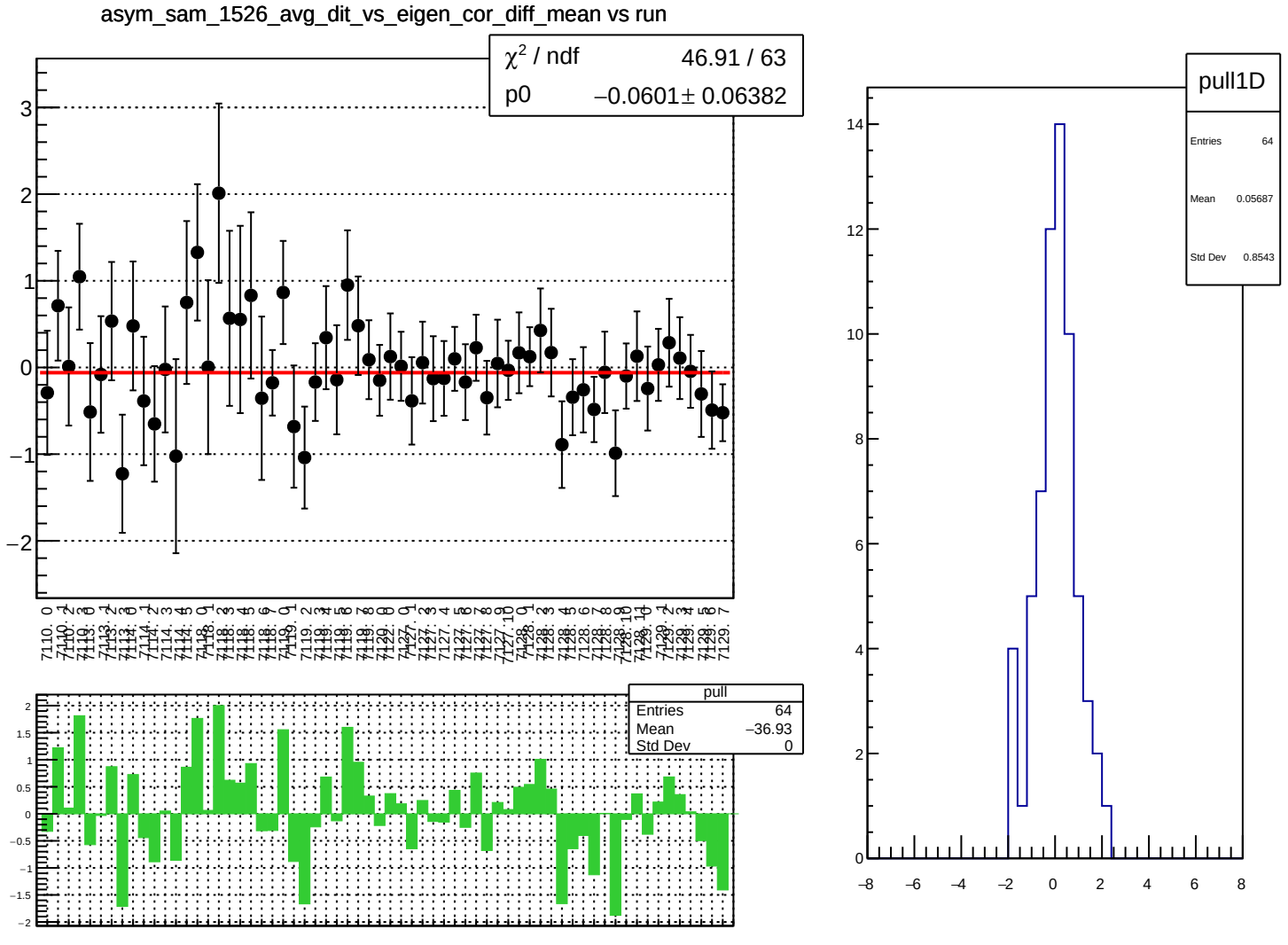

pull1D
Entries 64
Mean −0.1998
Std Dev 0.9397
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

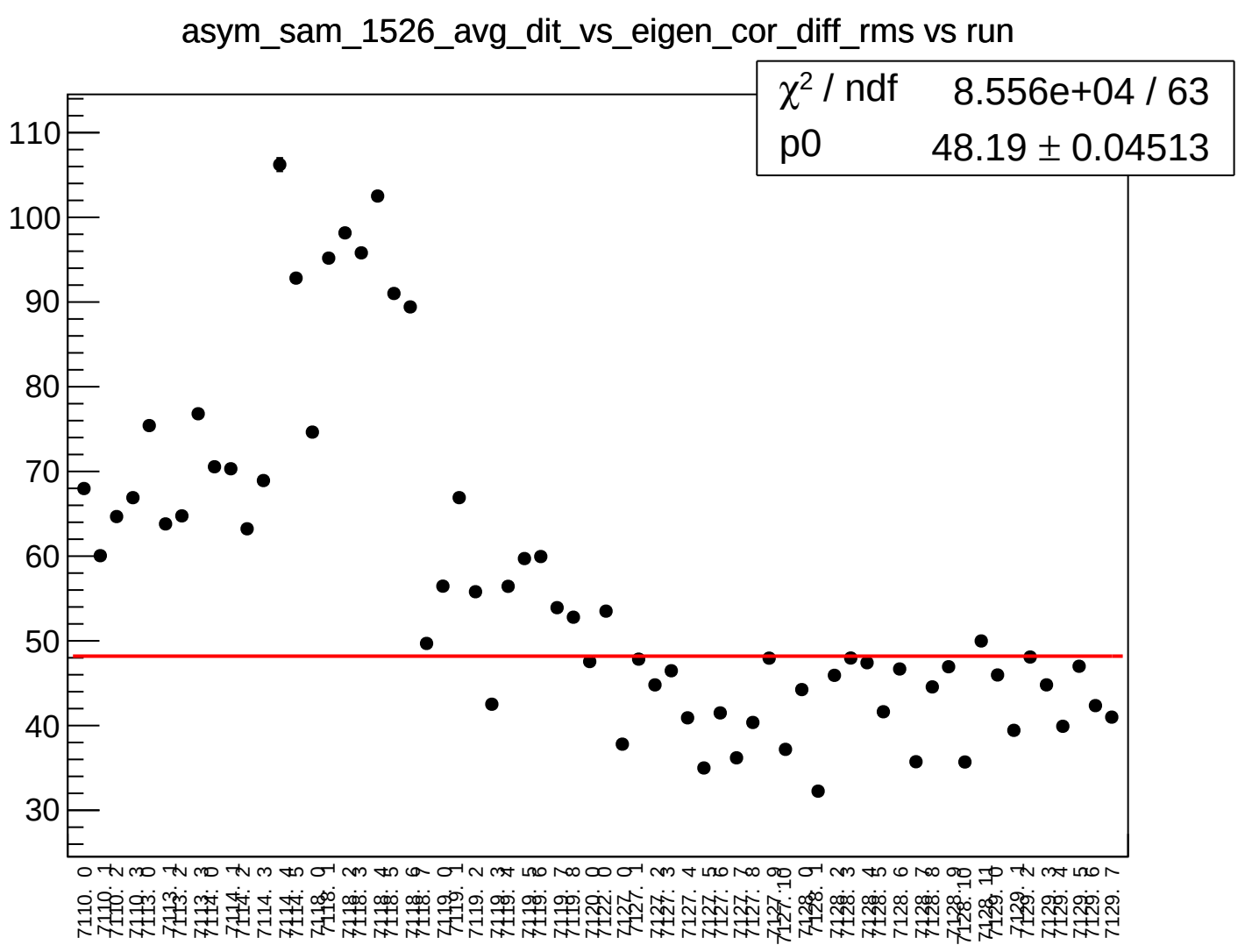

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.324e+05 / 63
p0 4.146e−12 ± 6.608e−15
0.06
0.05
0.04
0.03
0.02
0.01
0

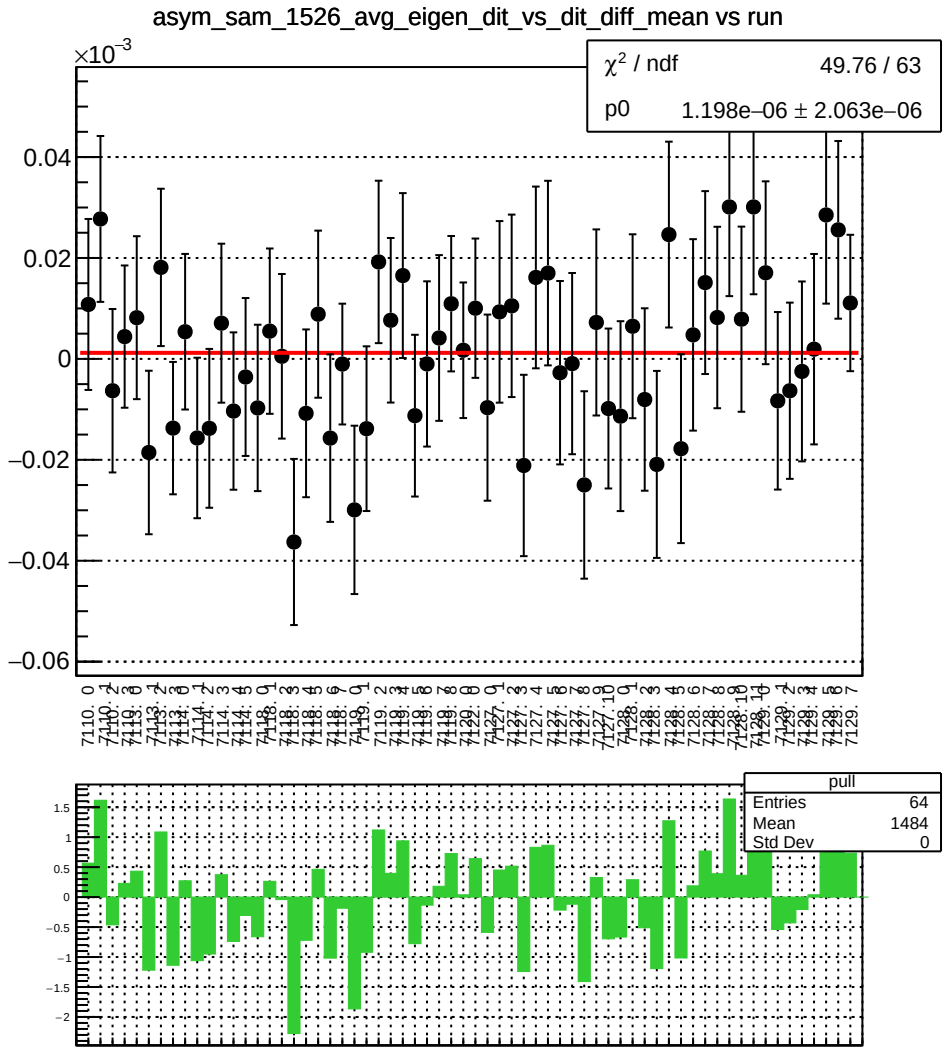

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.91 / 63
p0 −0.0601 ± 0.06382
pull
Entries 64
Mean −36.93
Std Dev 0

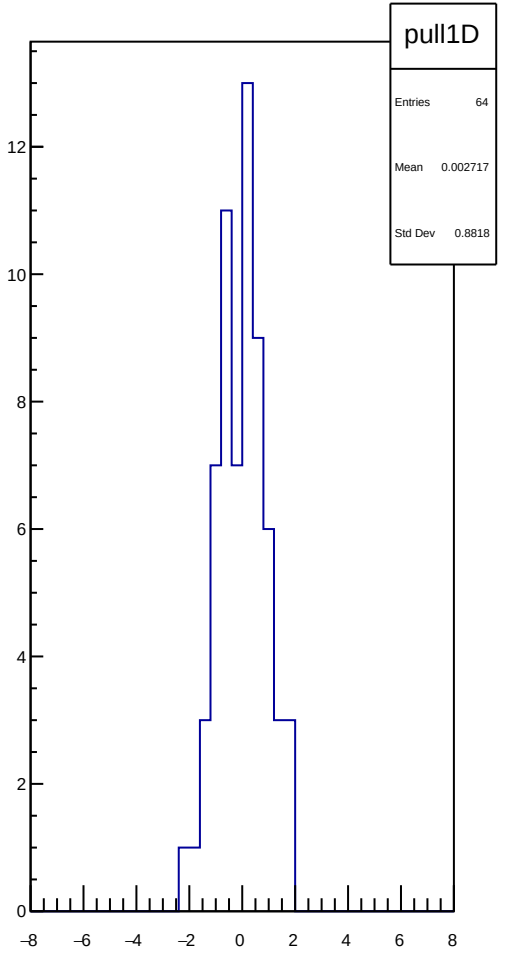

pull1D
Entries 64
Mean 0.05687
Std Dev 0.8543

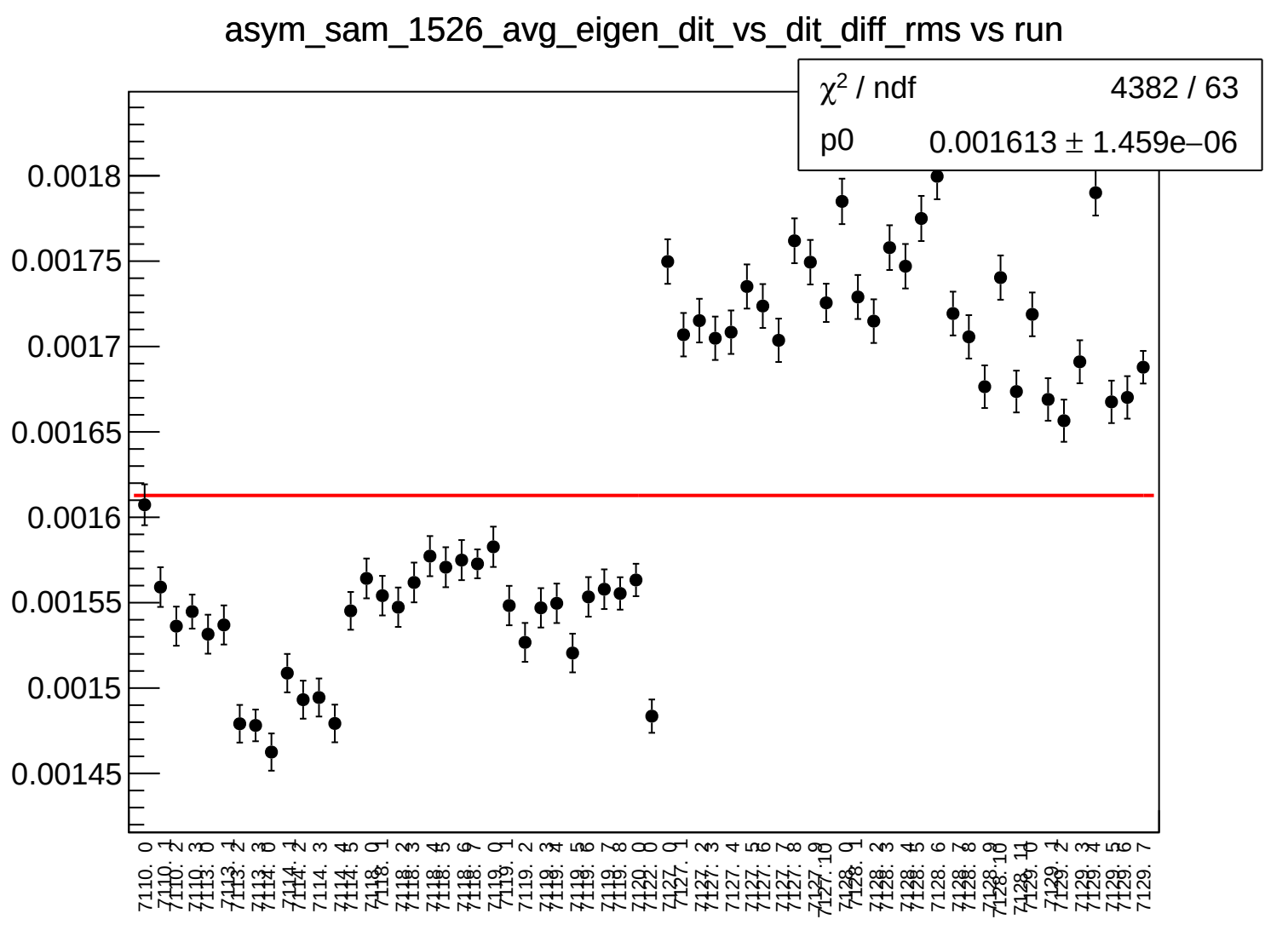

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.556e+04 / 63
p0 48.19 ± 0.04513
110
100
90
80
70
60
50
40
30

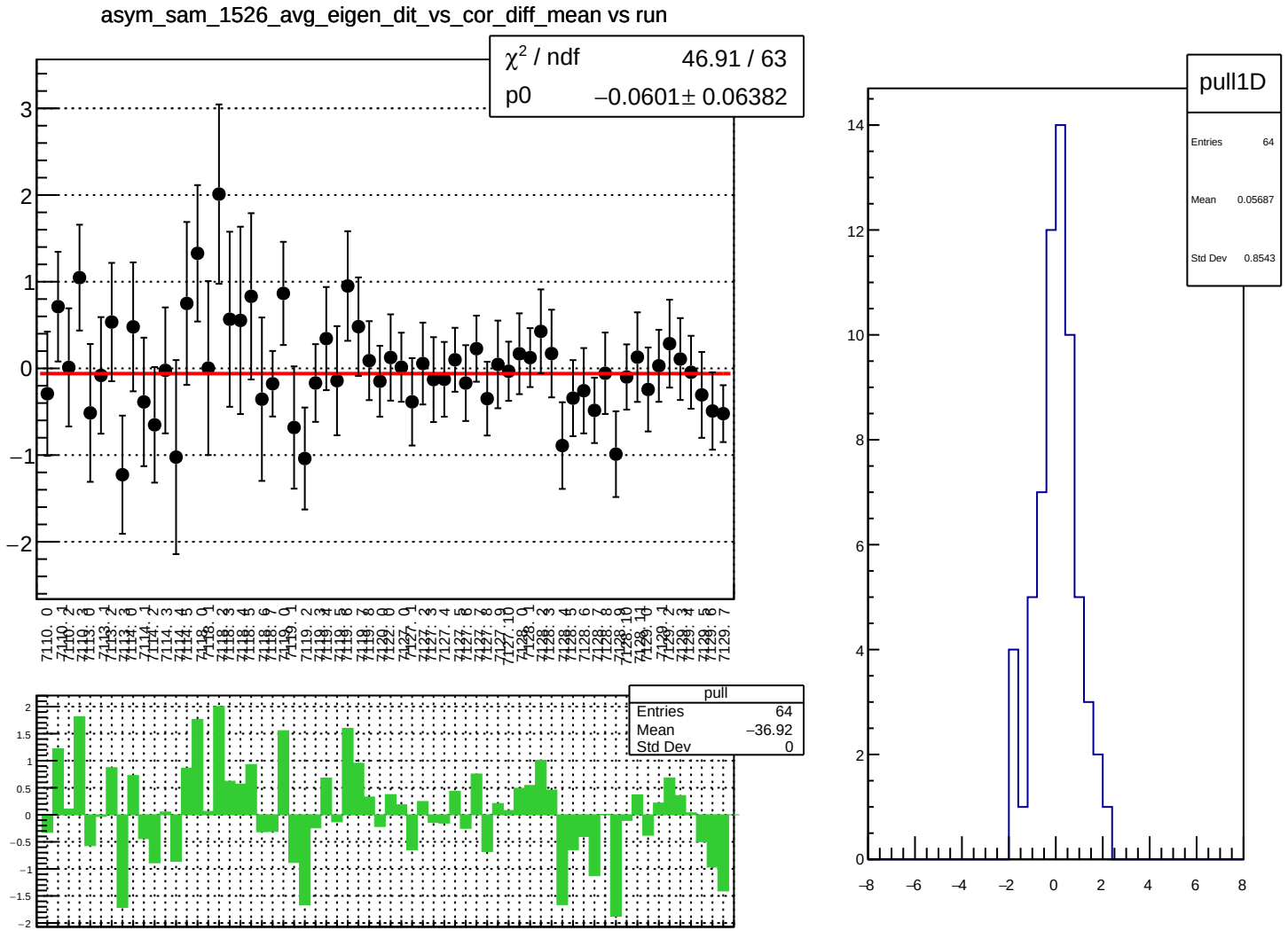

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.91 / 63
p0 −0.0601 ± 0.06382
pull
Entries 64
Mean −36.93
Std Dev 0
pull1D
Entries 64
Mean 0.05687
Std Dev 0.8543

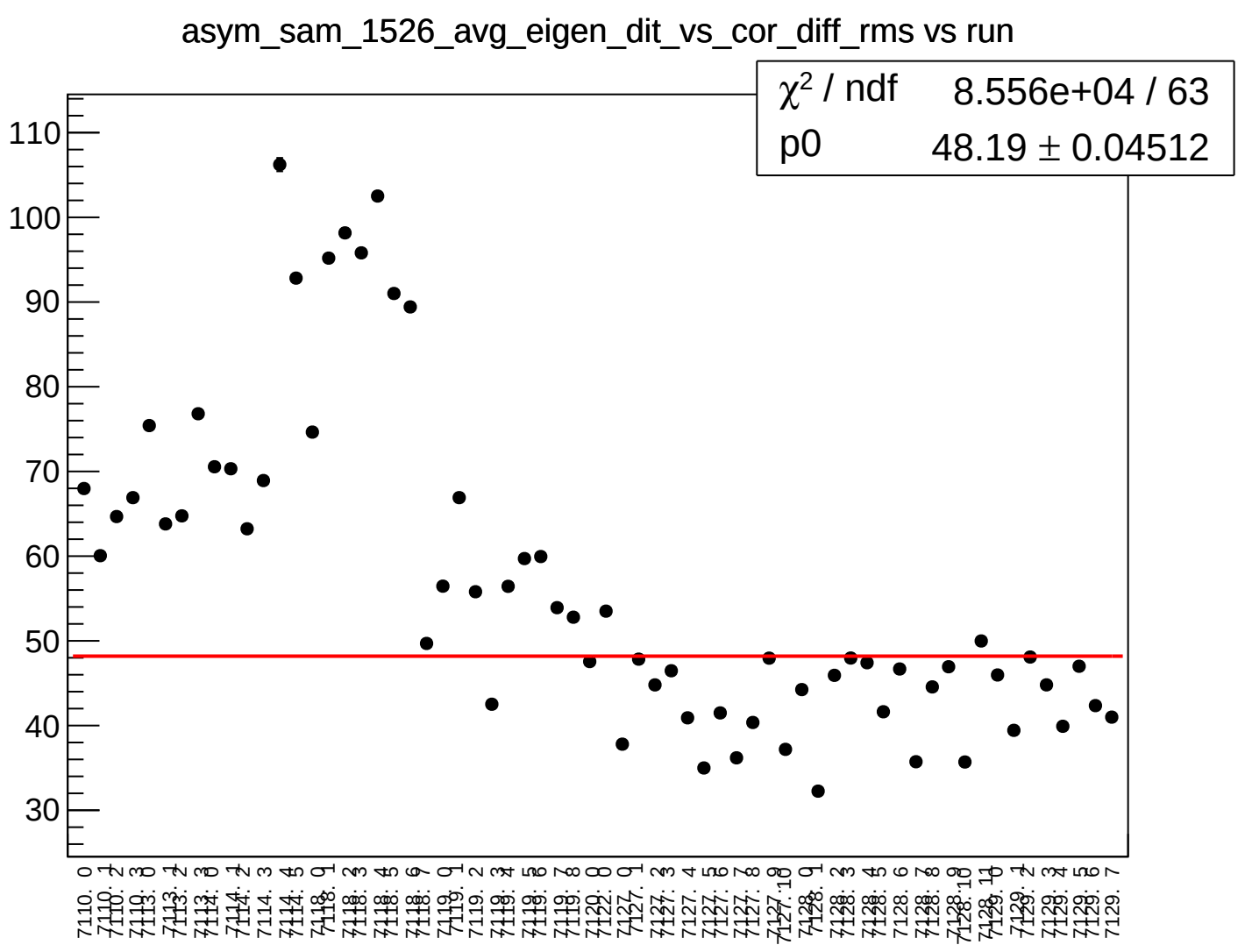

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.556e+04 / 63
p0 48.19 ± 0.04513
110
100
90
80
70
60
50
40
30

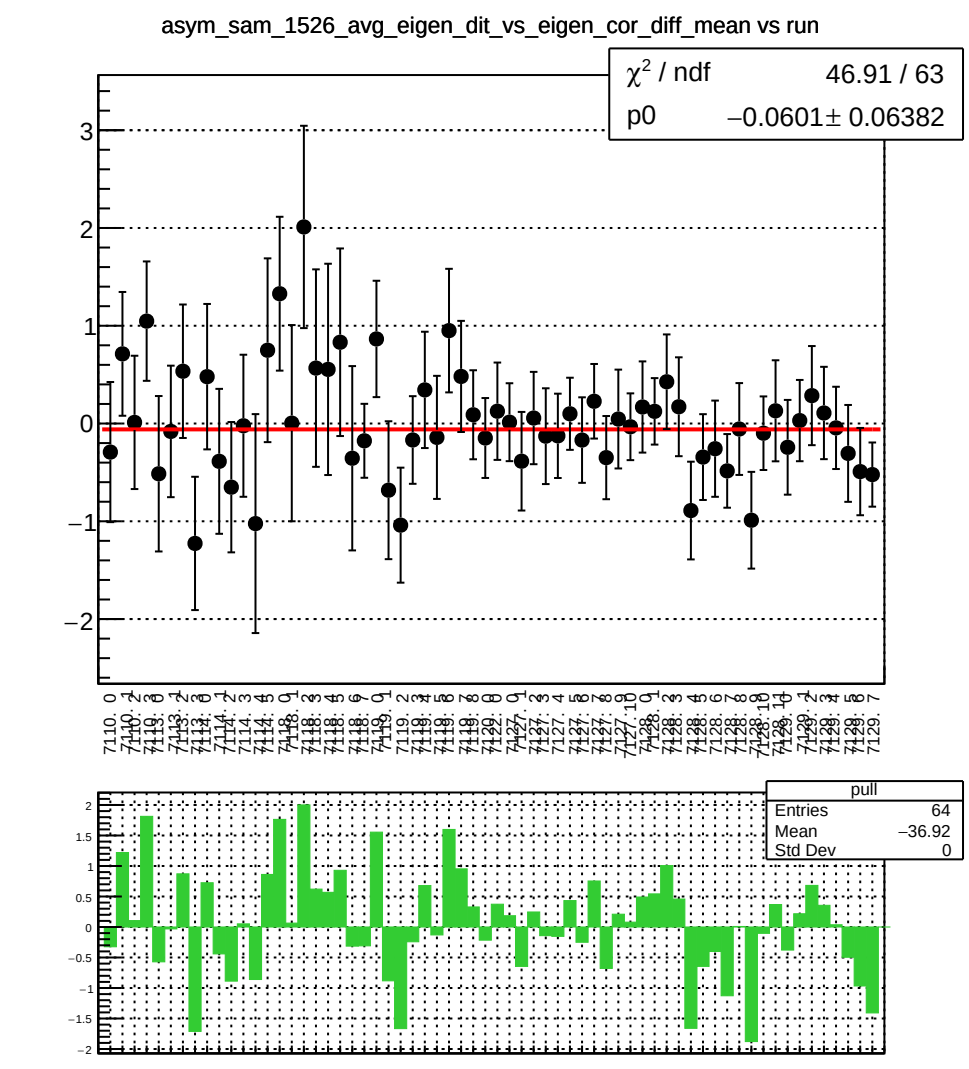

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.76 / 63
p0 1.198e−06 ± 2.063e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 1484
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

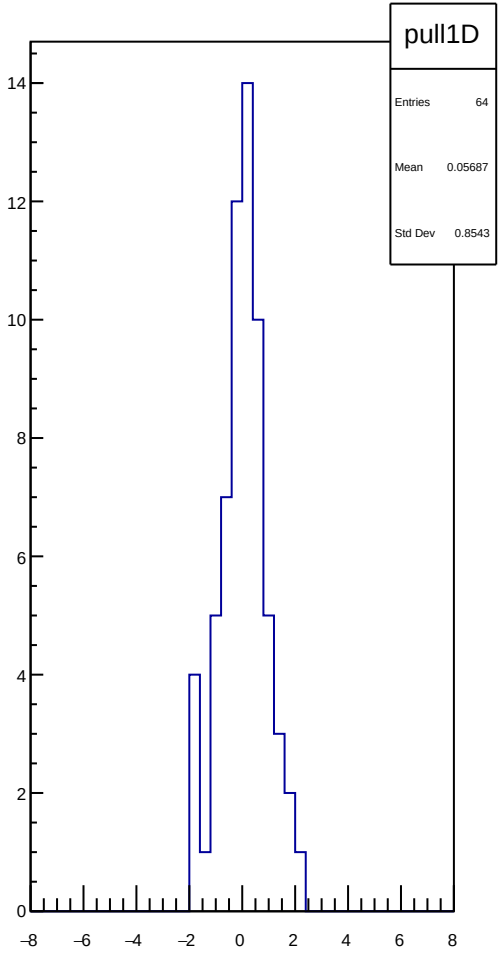

pull1D
Entries 64
Mean 0.002717
Std Dev 0.8818
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

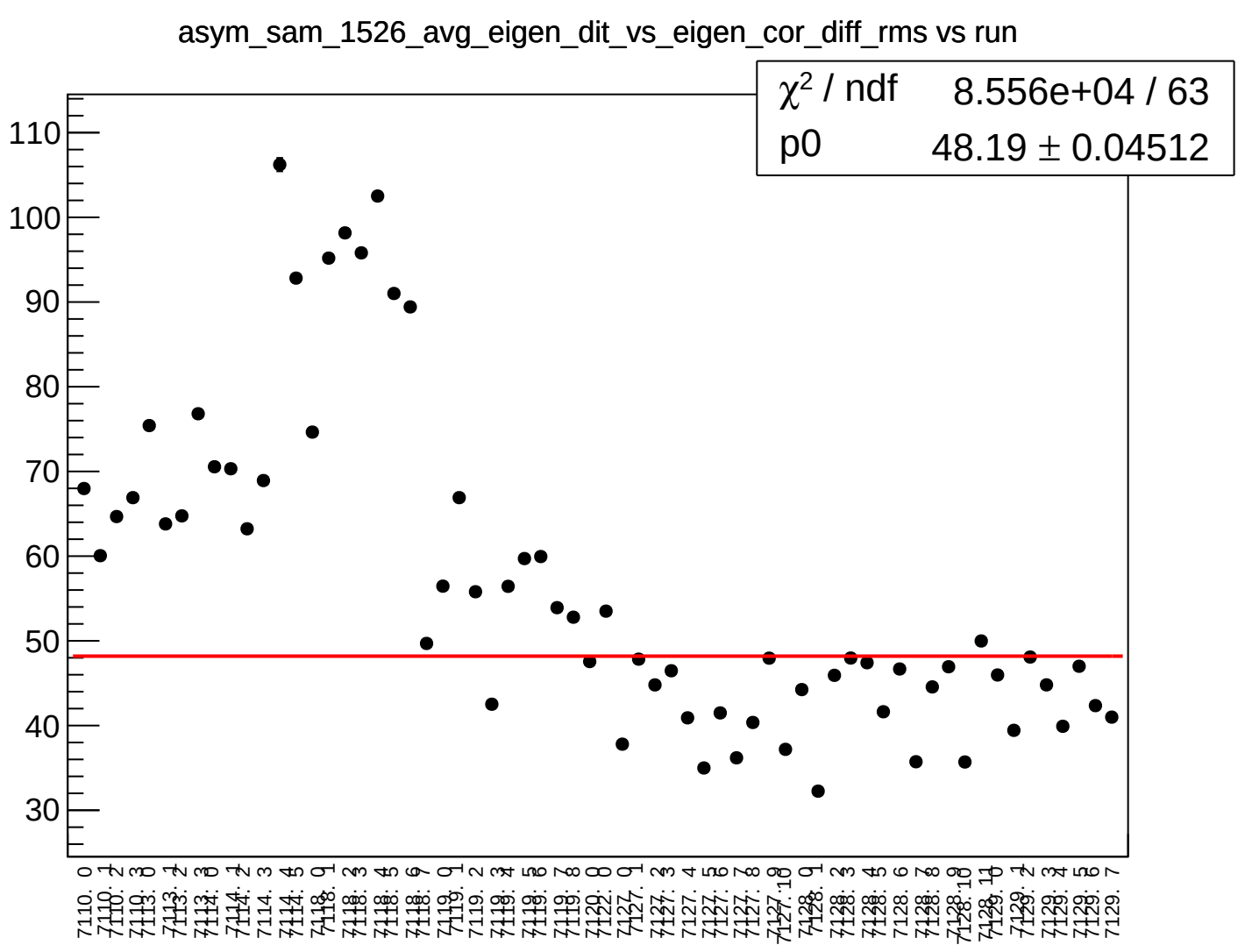

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4382 / 63
p0 0.001613 ± 1.459e−06
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145

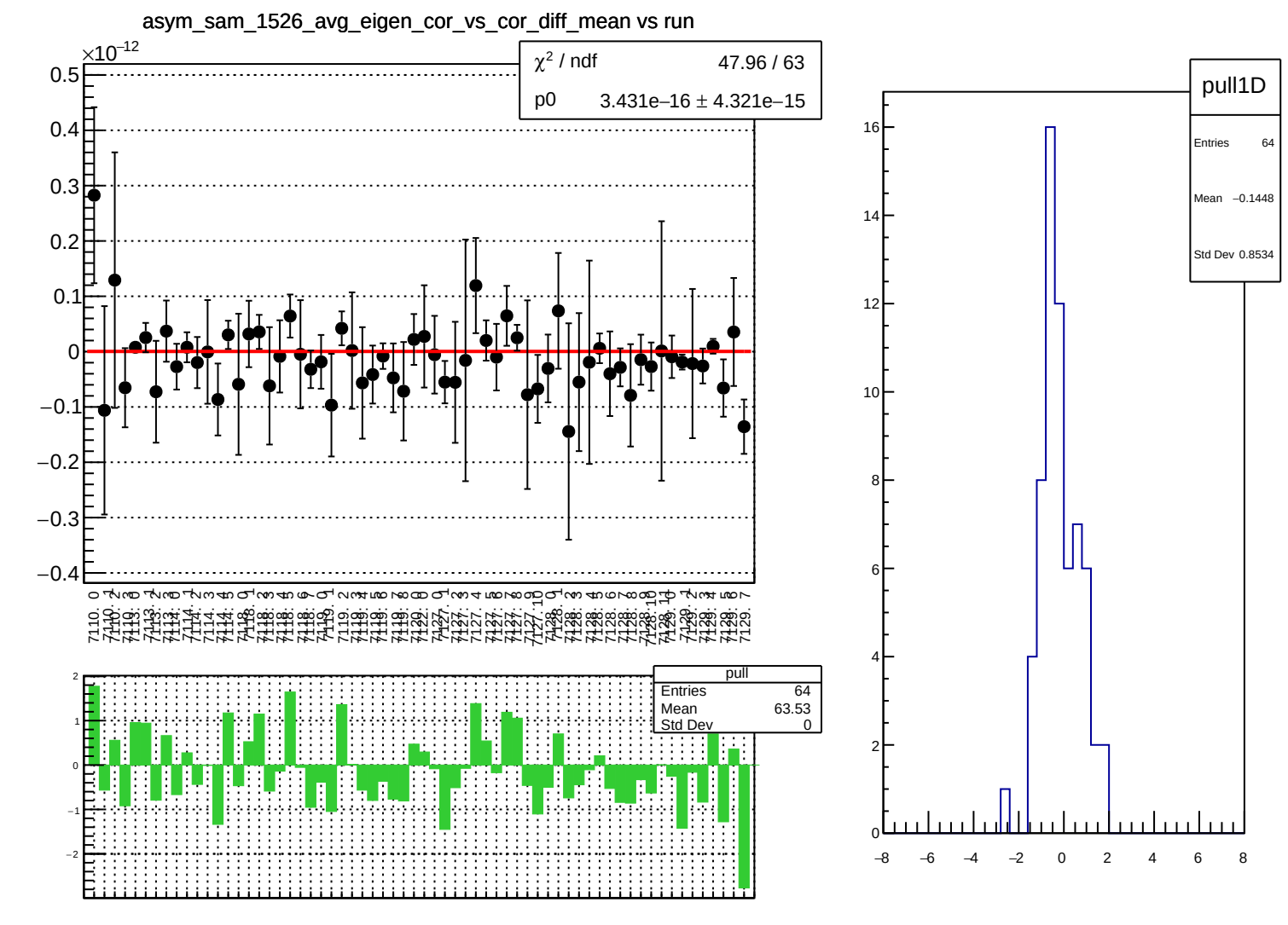

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.91 / 63
p0 −0.0601 ± 0.06382
pull
Entries 64
Mean −36.92
Std Dev 0
pull1D
Entries 64
Mean 0.05687
Std Dev 0.8543

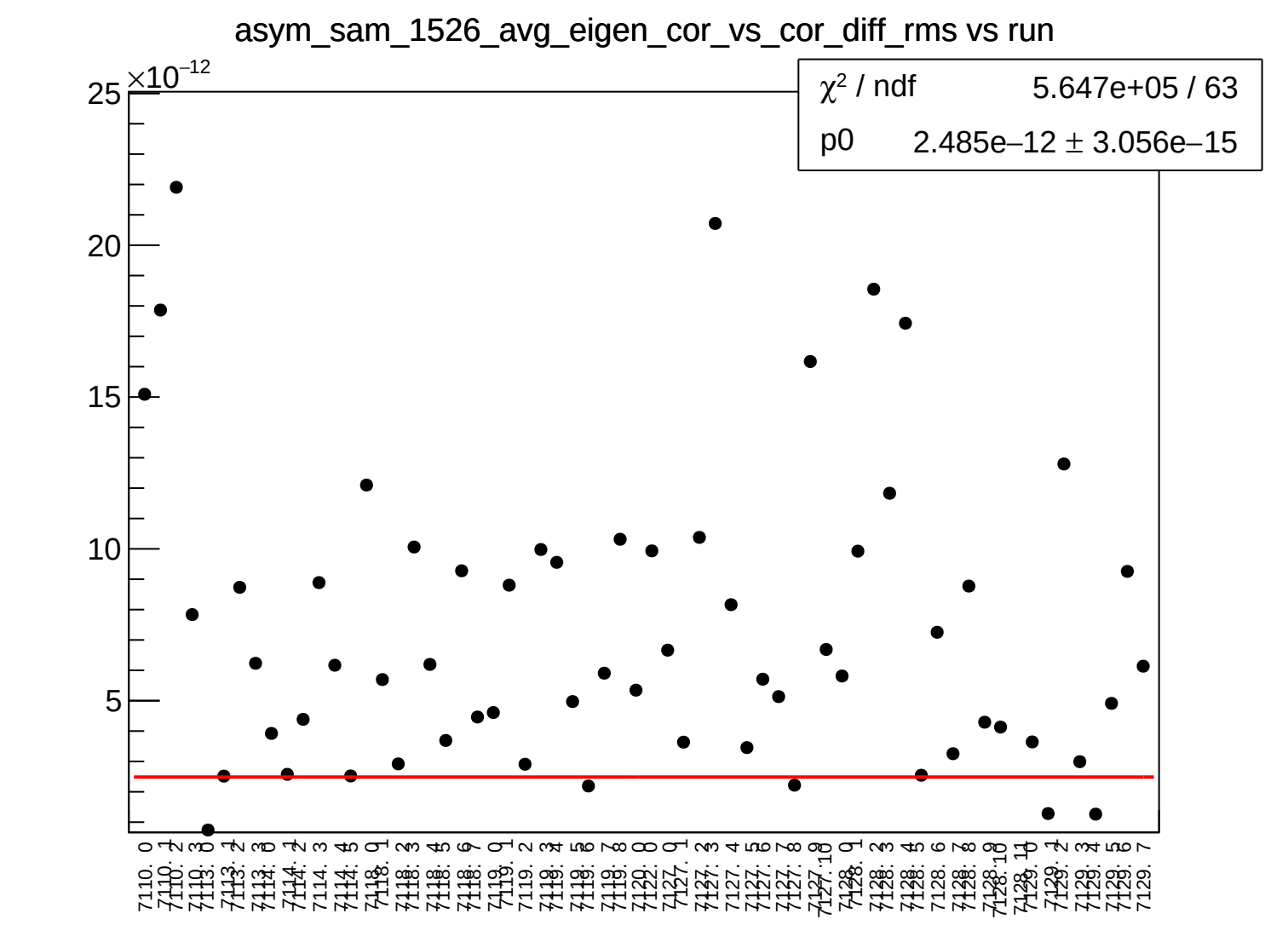

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.556e+04 / 63
p0 48.19 ± 0.04512
110
100
90
80
70
60
50
40
30

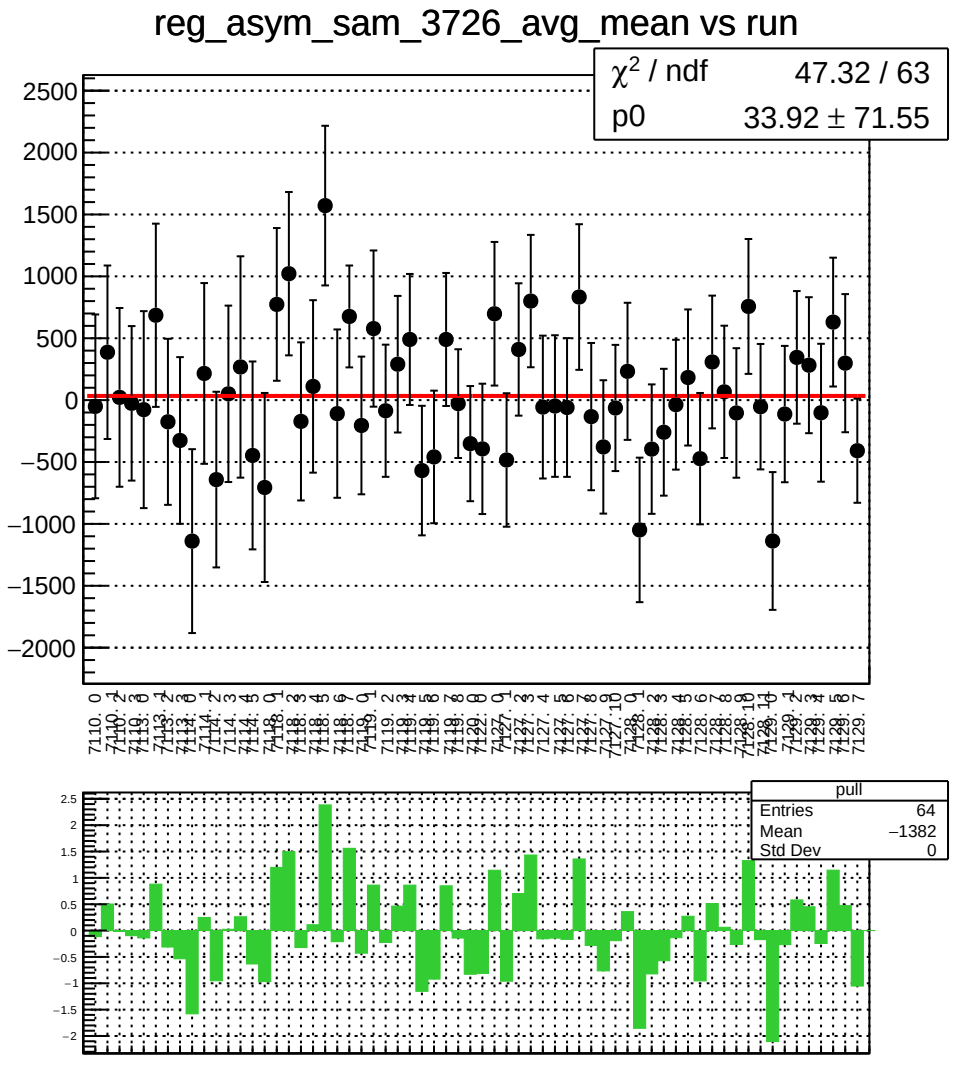

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.91 / 63
p0 −0.0601± 0.06382
pull
Entries 64
Mean −36.92
Std Dev 0

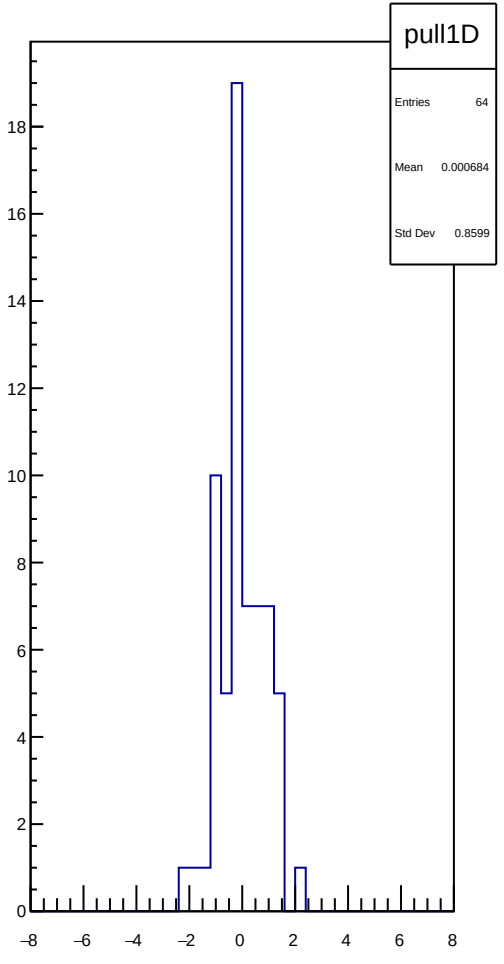

pull1D
Entries 64
Mean 0.05687
Std Dev 0.8543

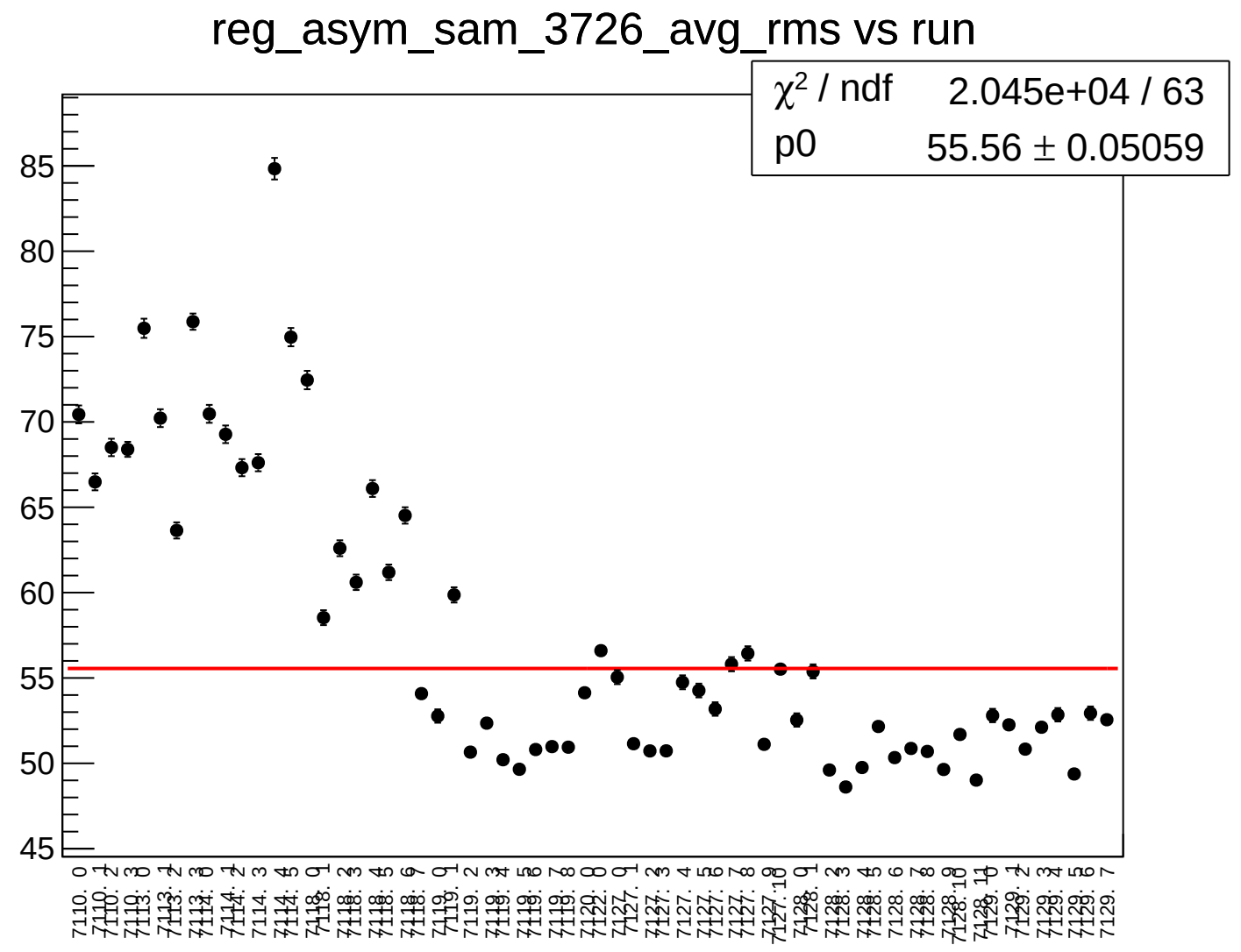

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.556e+04 / 63
p0 48.19 ± 0.04512
110
100
90
80
70
60
50
40
30

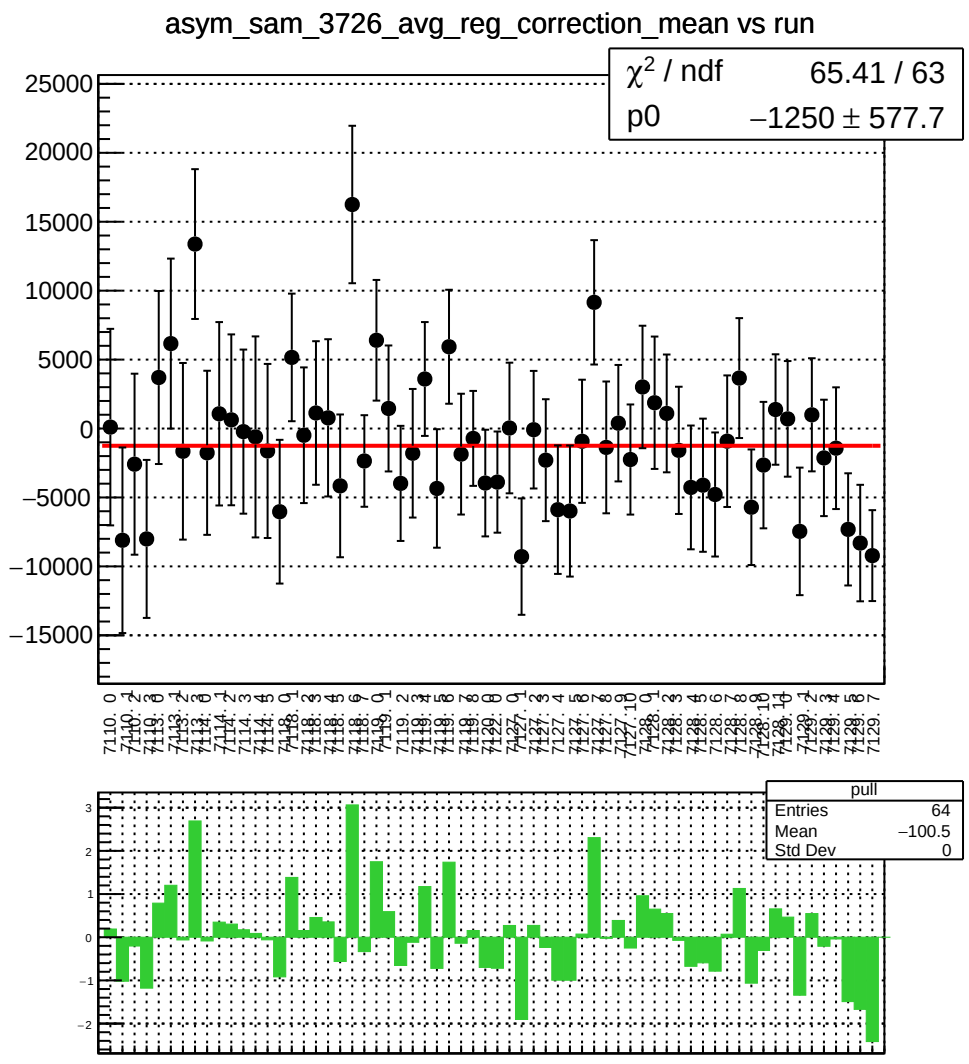

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.96 / 63
p0 3.431e−16 ± 4.321e−15
pull
Entries 64
Mean 63.53
Std Dev 0
pull1D
Entries 64
Mean −0.1448
Std Dev 0.8534

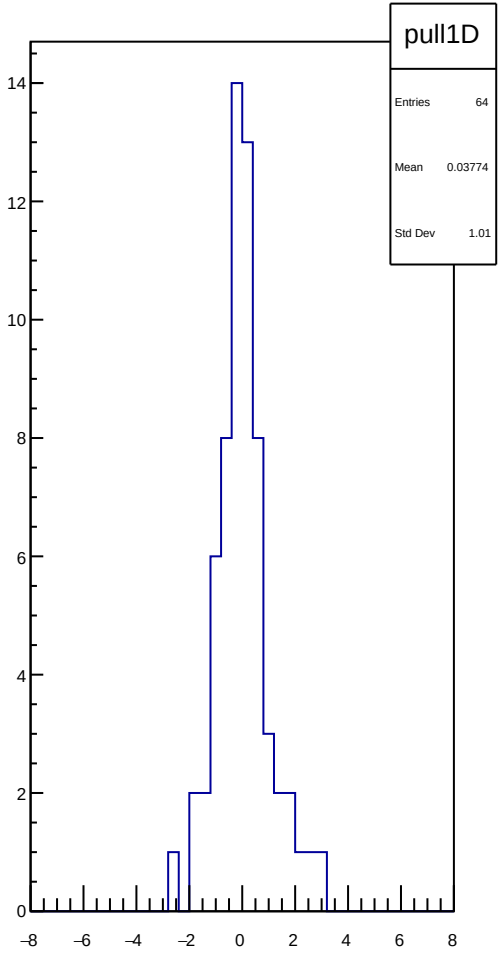

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10^−12
25
20
15
10
5
χ² / ndf 5.647e+05 / 63
p0 2.485e−12 ± 3.056e−15

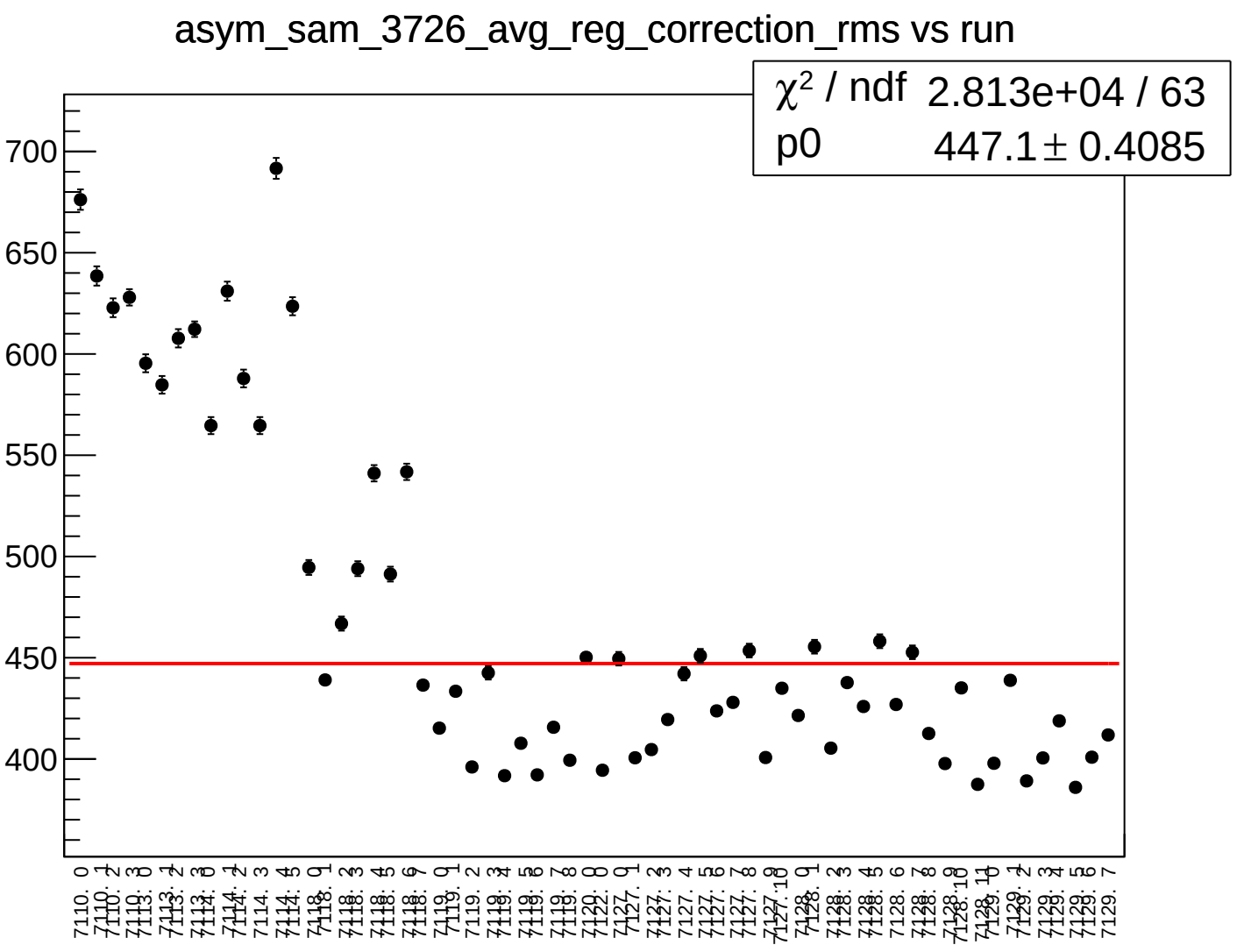

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 47.32 / 63
p0 33.92 ± 71.55
pull
Entries 64
Mean −1382
Std Dev 0

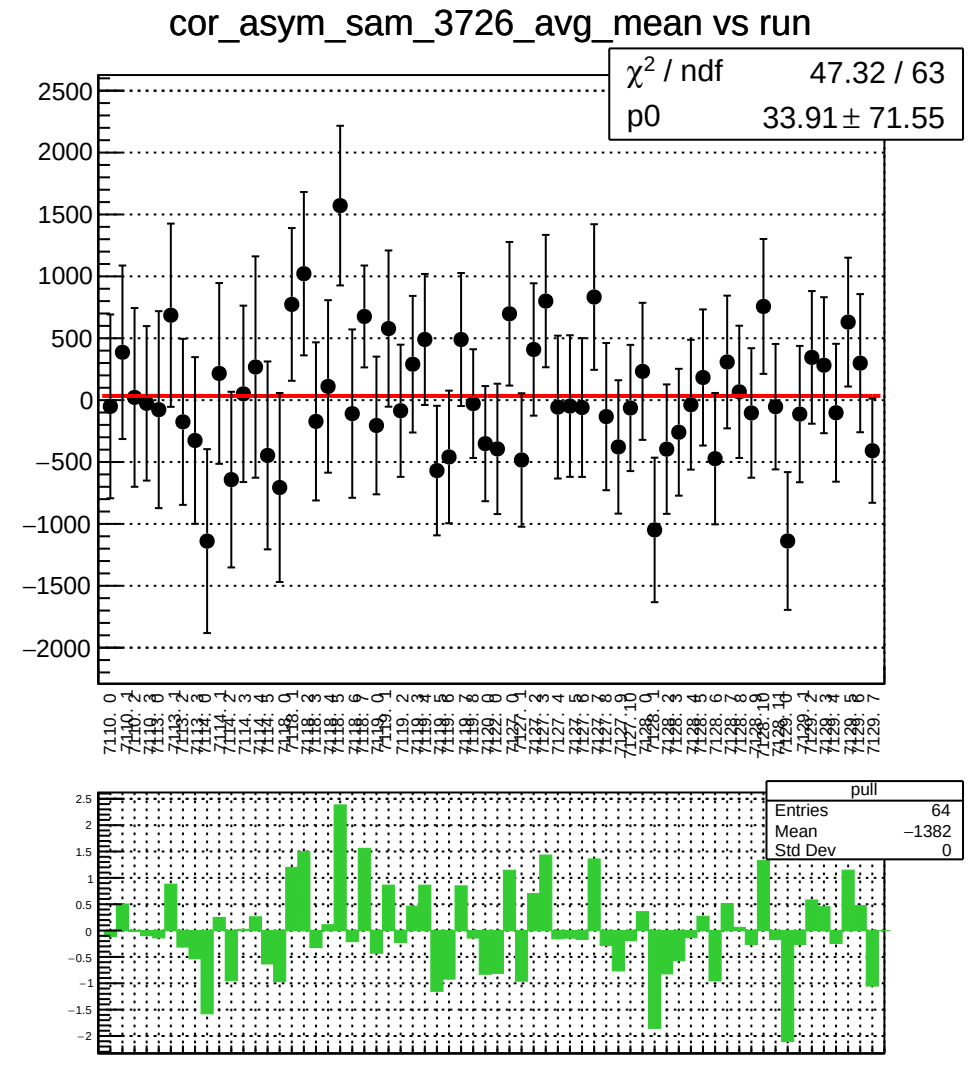

pull1D
Entries 64
Mean 0.000684
Std Dev 0.8599

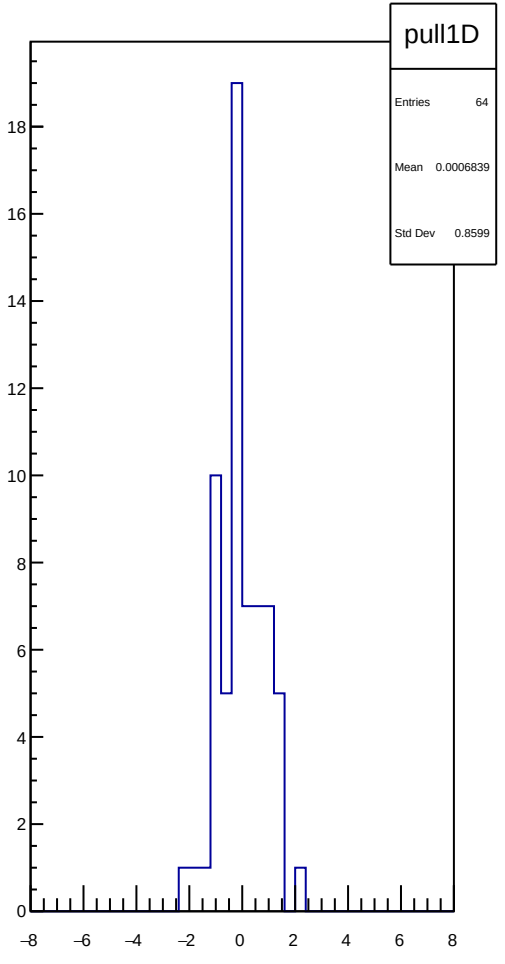

reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.045e+04 / 63
p0 55.56 ± 0.05059
85
80
75
70
65
60
55
50
45

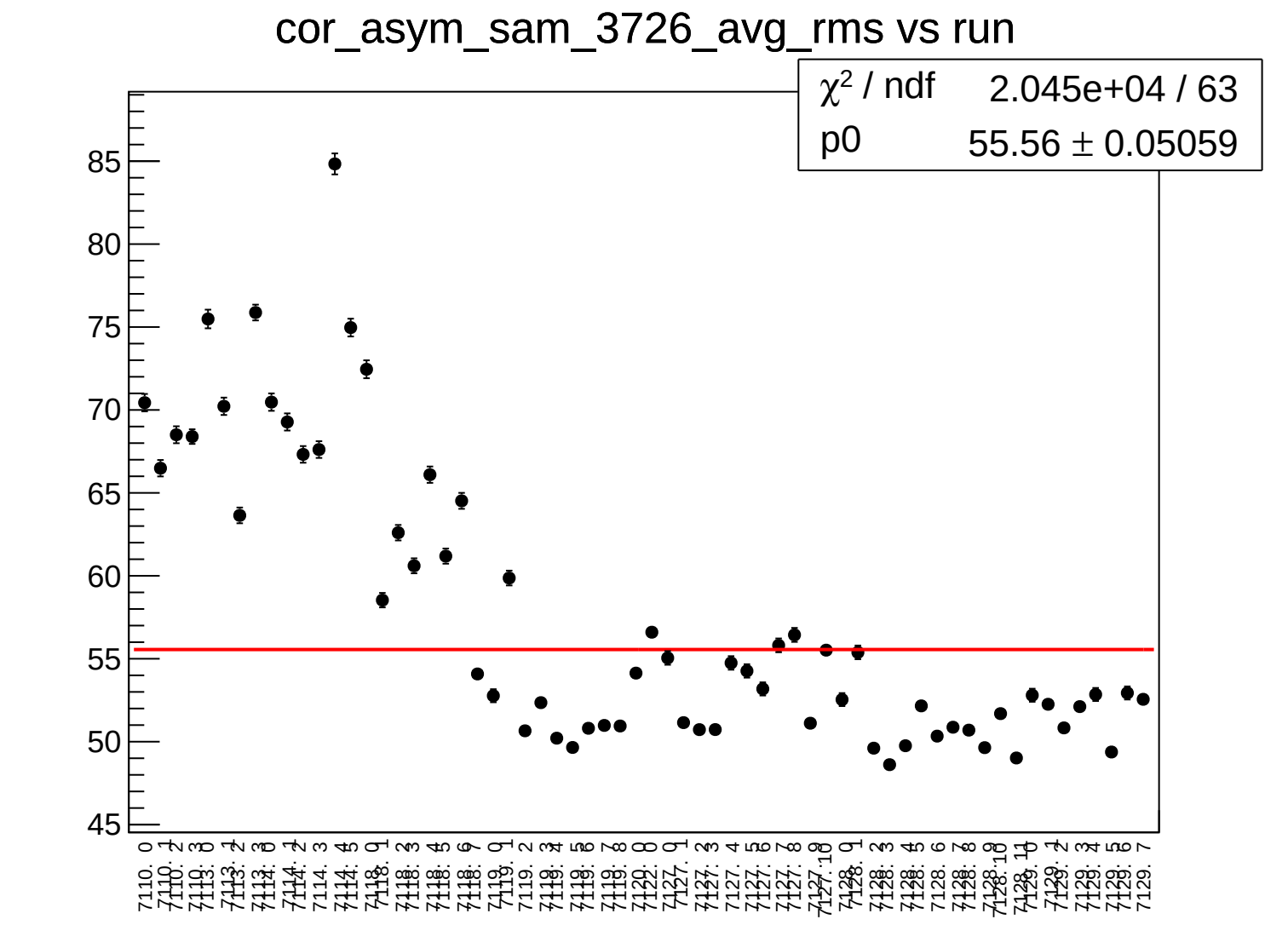

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 65.41 / 63
p0 −1250 ± 577.7
pull
Entries 64
Mean −100.5
Std Dev 0

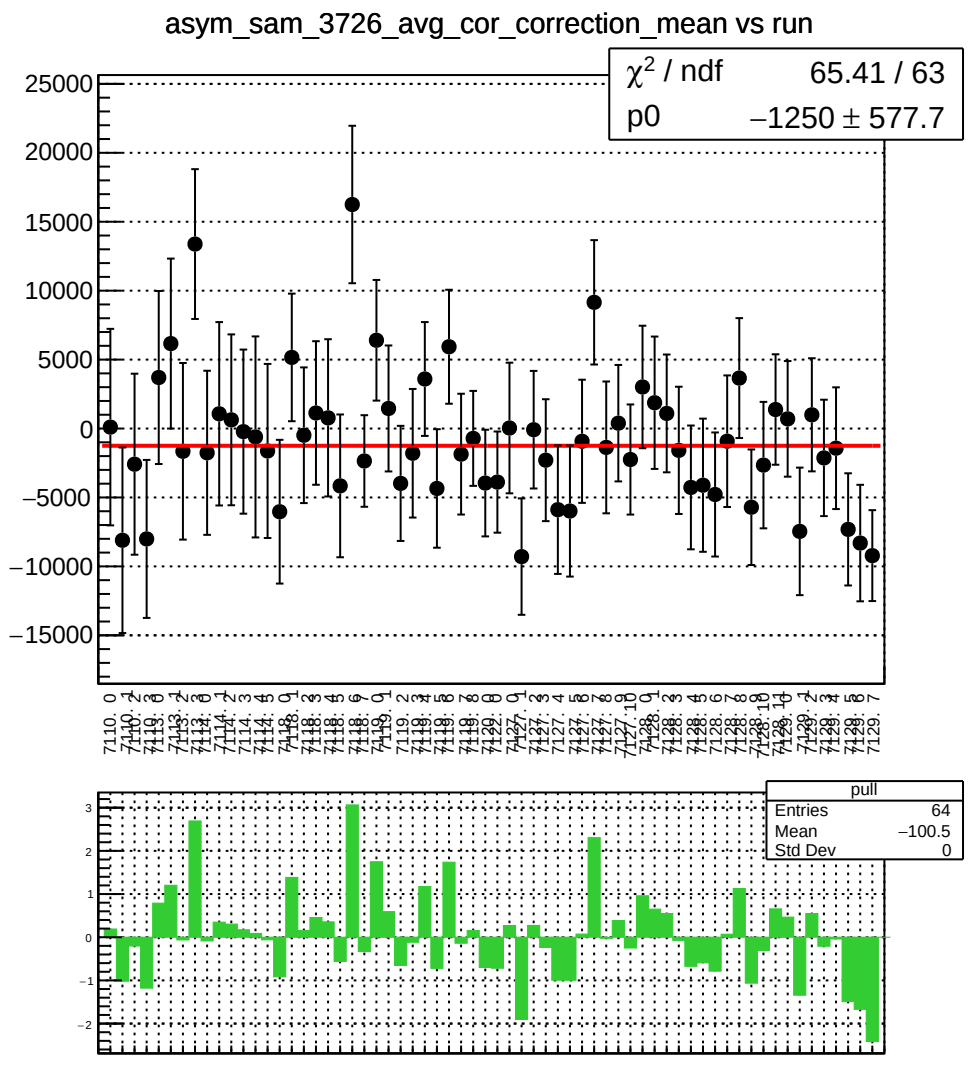

pull1D
Entries 64
Mean 0.03774
Std Dev 1.01

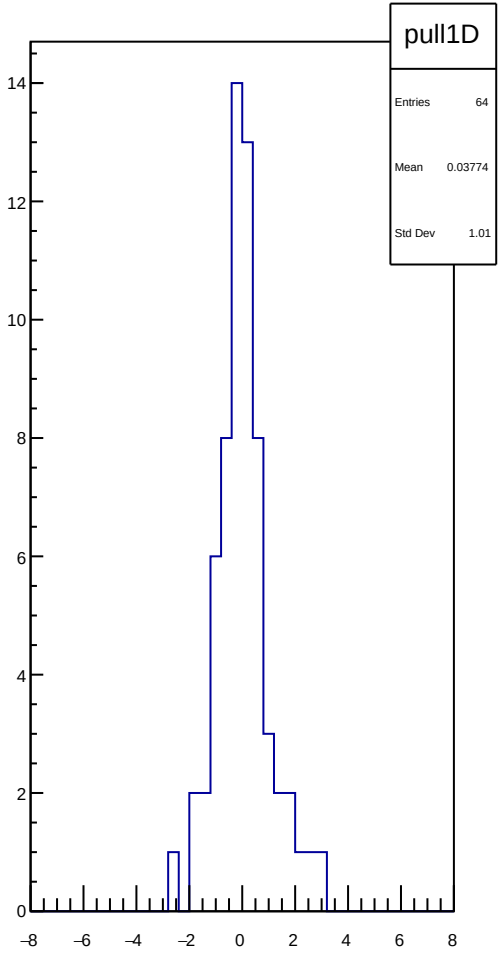

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 2.813e+04 / 63
p0 447.1 ± 0.4085
700
650
600
550
500
450
400

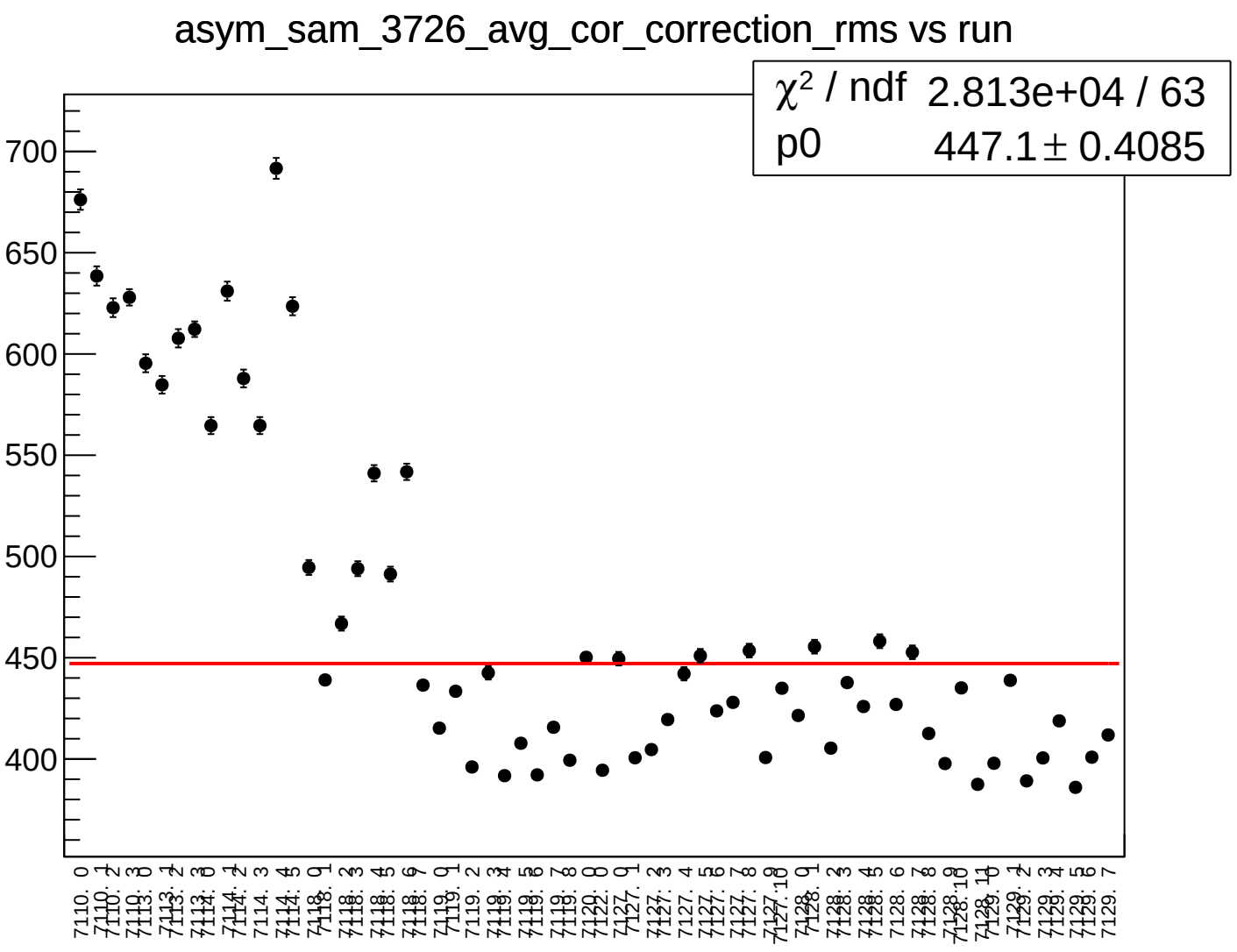

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 47.32 / 63
p0 33.91 ± 71.55
pull
Entries 64
Mean −1382
Std Dev 0

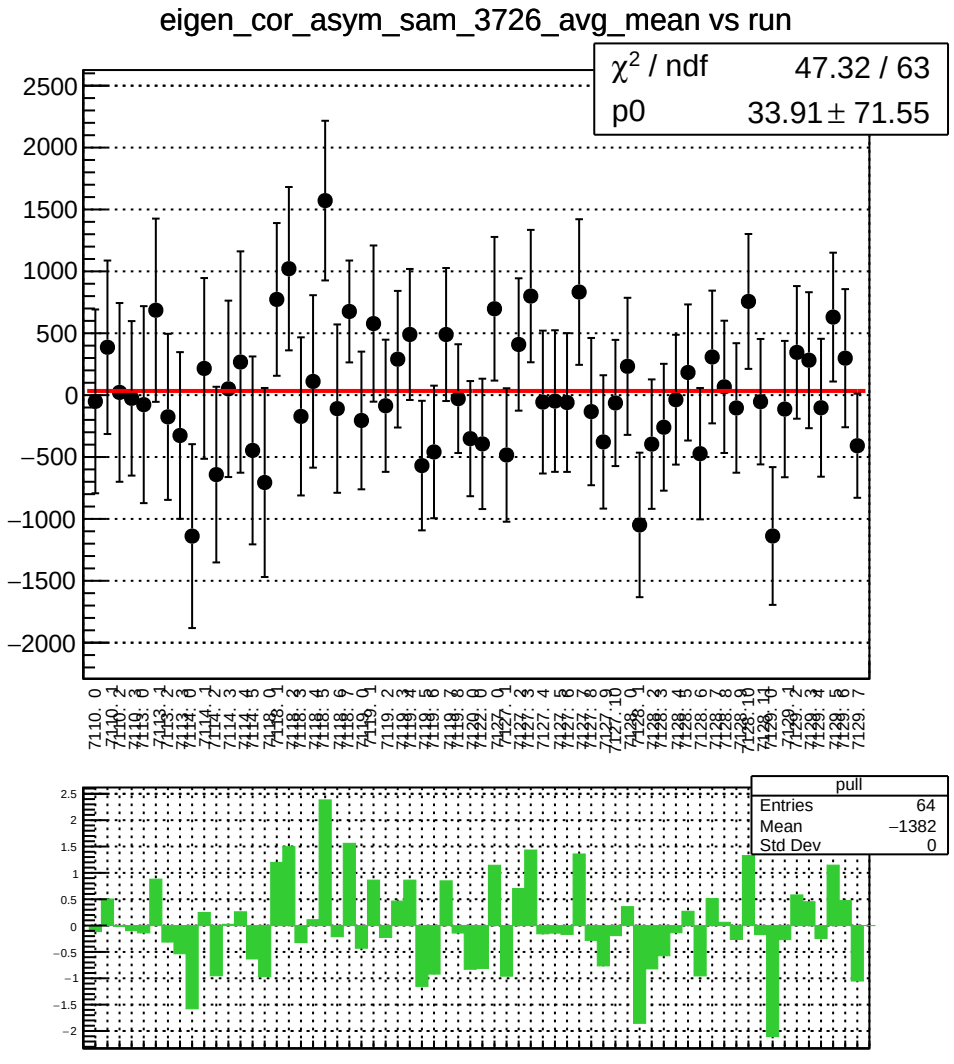

pull1D
Entries 64
Mean 0.0006839
Std Dev 0.8599

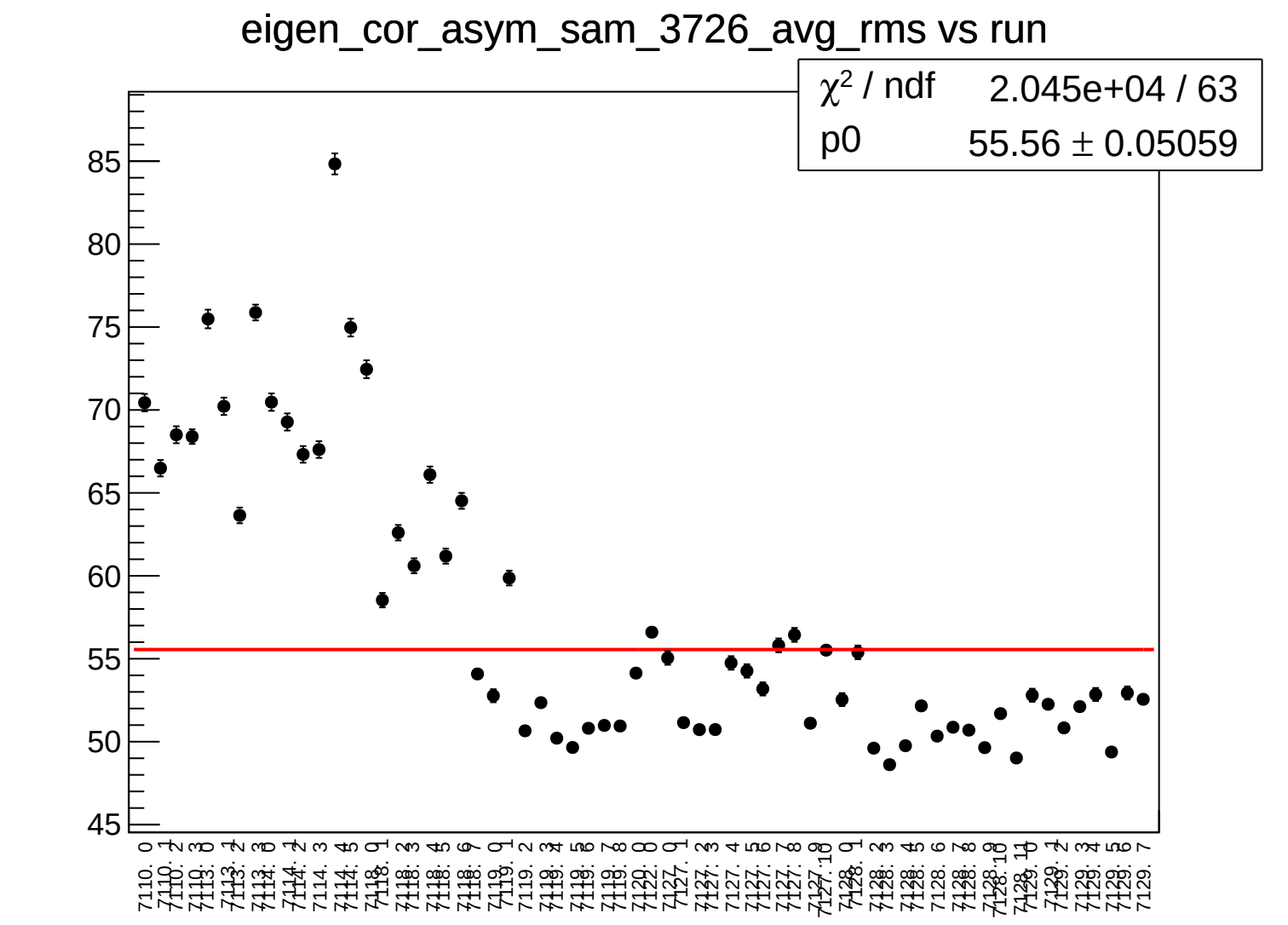

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2.045e+04 / 63
p0 55.56 ± 0.05059
85
80
75
70
65
60
55
50
45

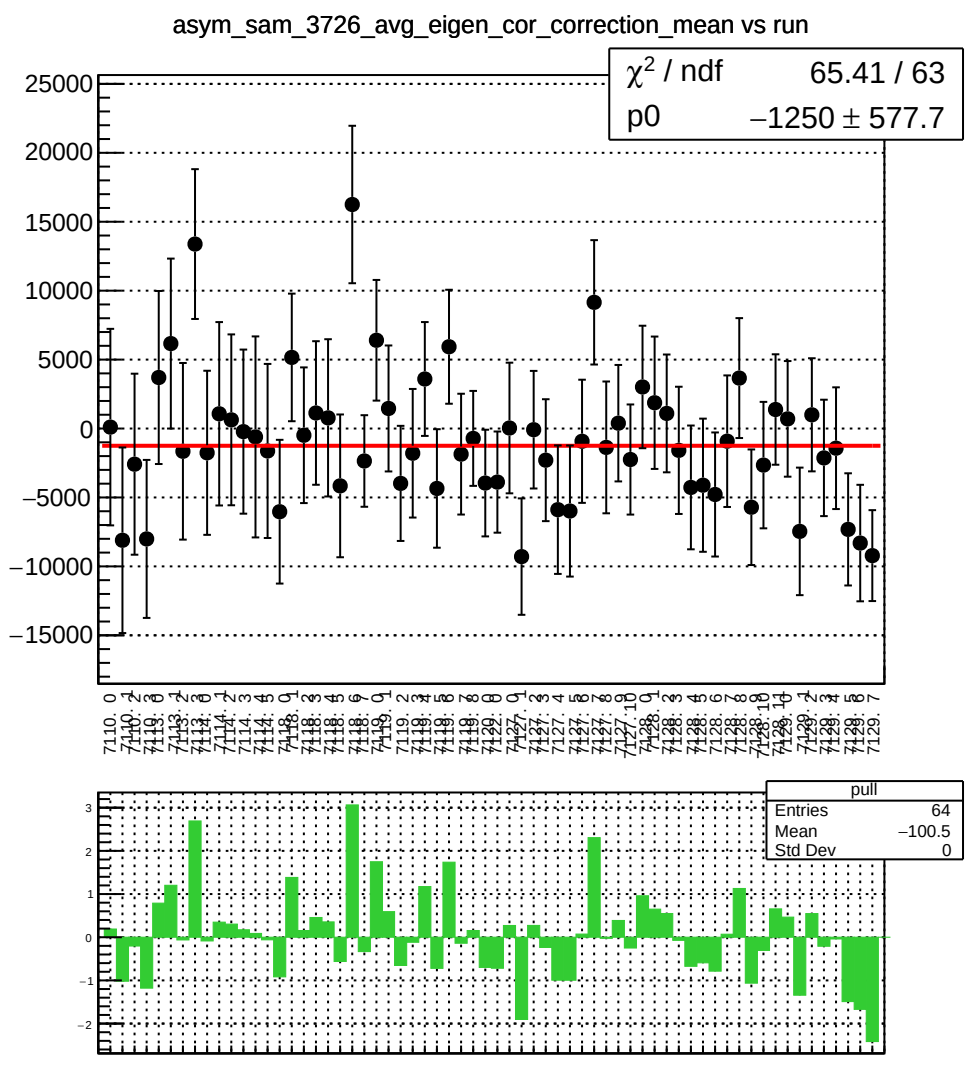

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 65.41 / 63
p0 −1250 ± 577.7
pull
Entries 64
Mean −100.5
Std Dev 0

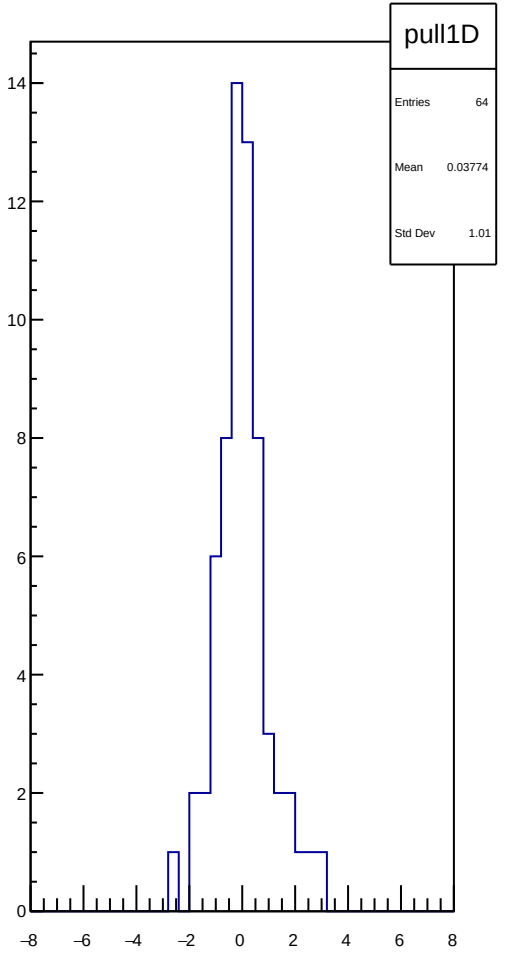

pull1D
Entries 64
Mean 0.03774
Std Dev 1.01

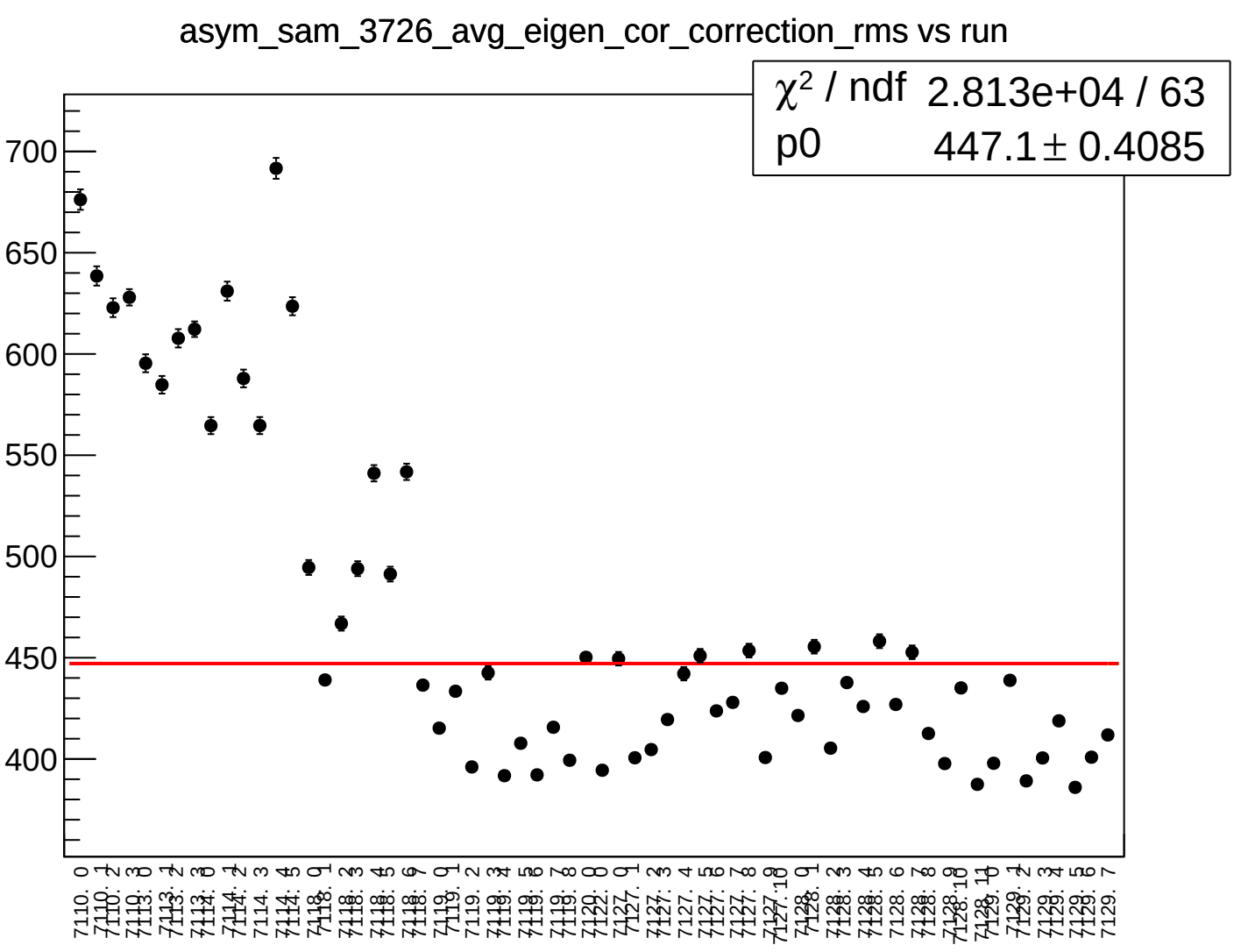

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 2.813e+04 / 63
p0 447.1 ± 0.4085
700
650
600
550
500
450
400

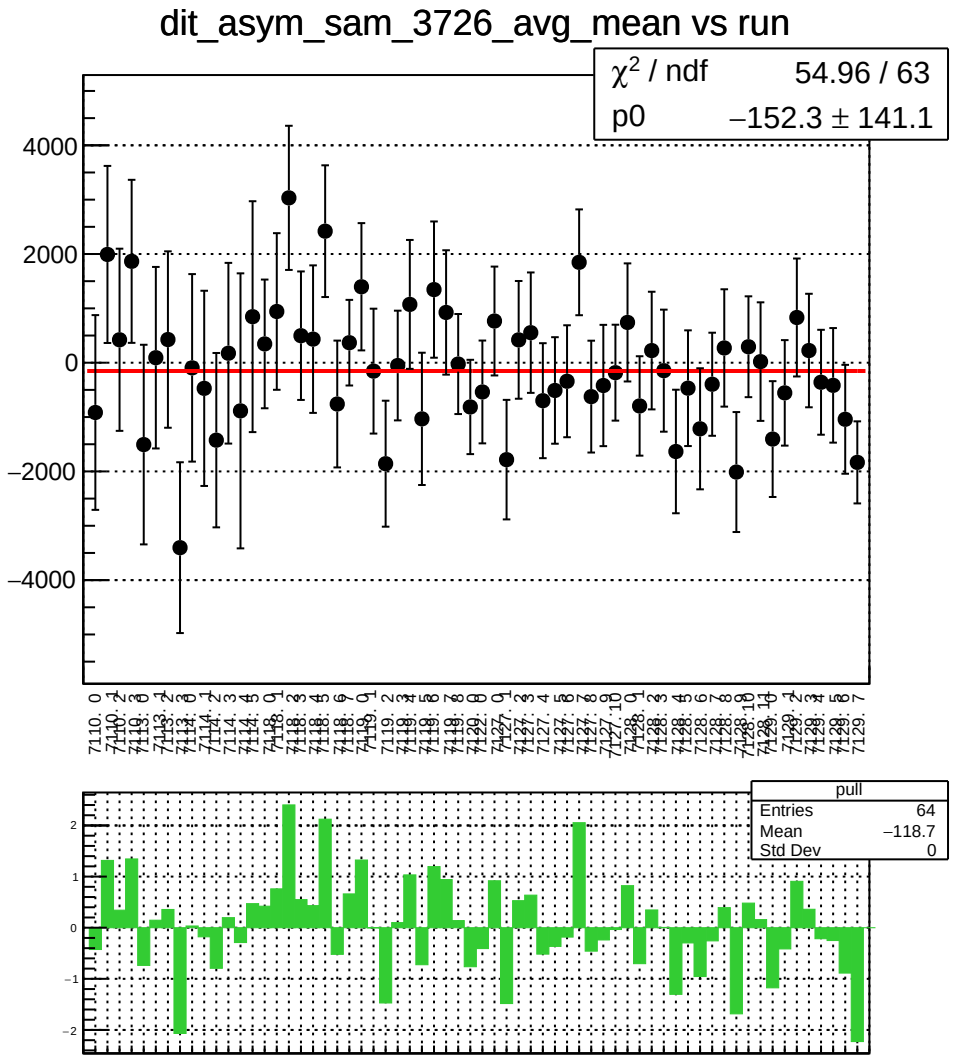

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 47.32 / 63
p0 33.91 ± 71.55
pull
Entries 64
Mean −1382
Std Dev 0
pull1D
Entries 64
Mean 0.0006839
Std Dev 0.8599

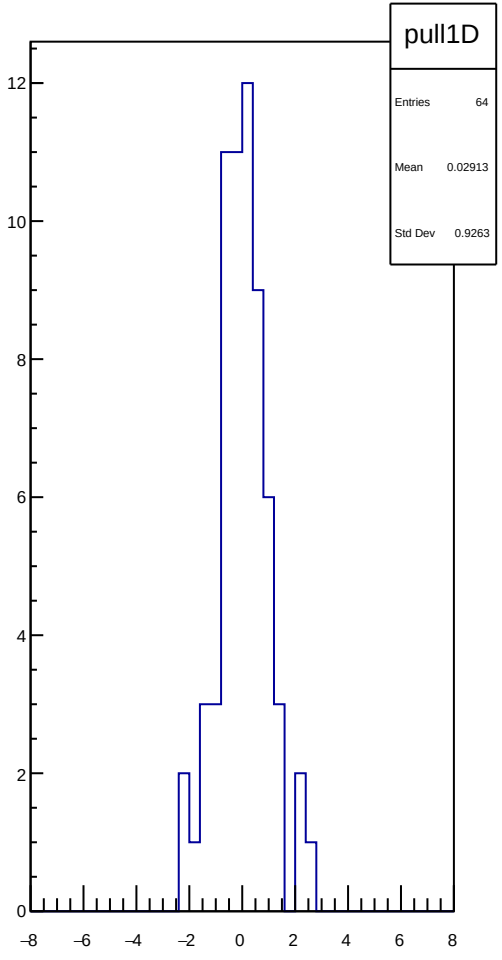

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2.045e+04 / 63
p0 55.56 ± 0.05059
85
80
75
70
65
60
55
50
45

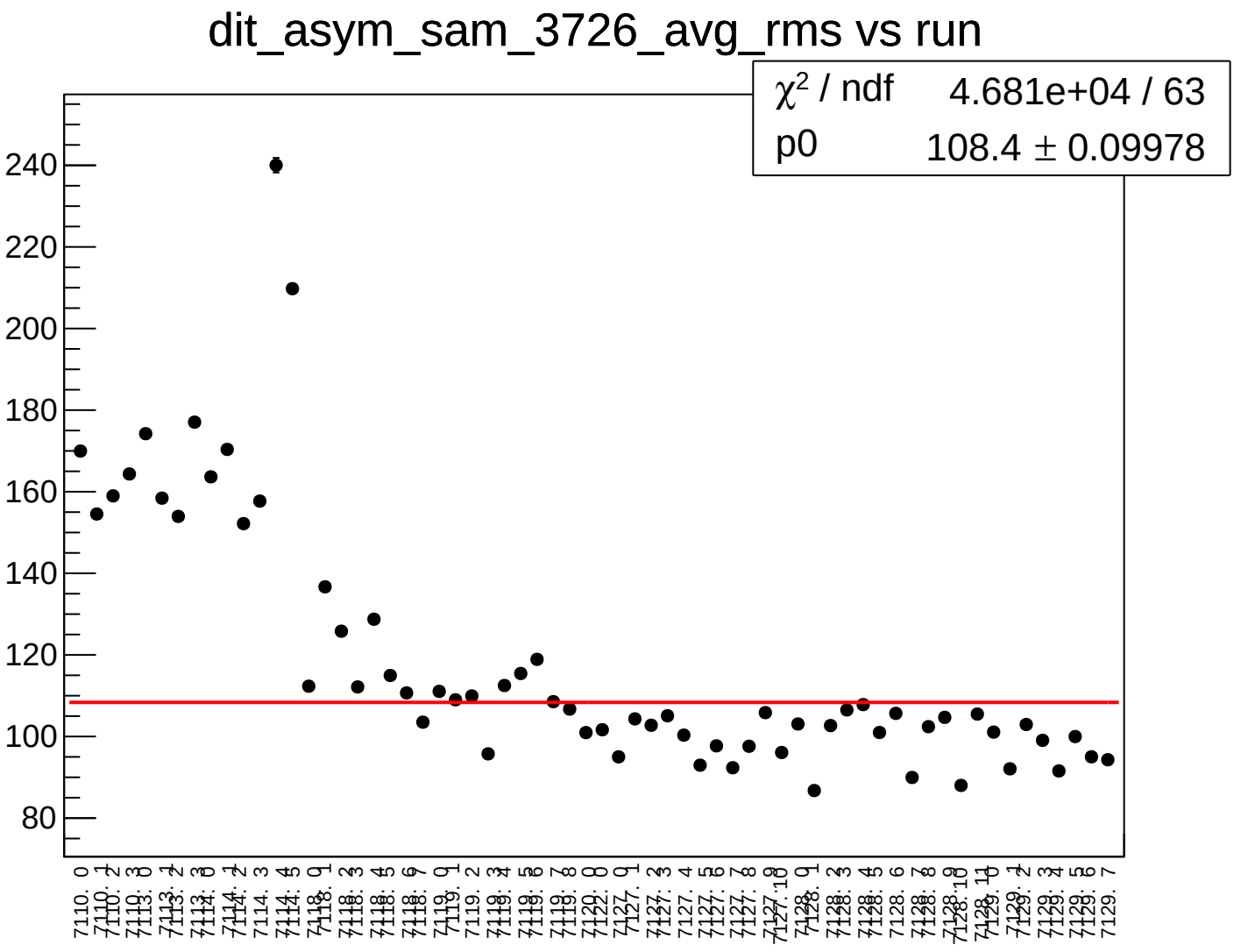

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.41 / 63
p0 −1250 ± 577.7
pull
Entries 64
Mean −100.5
Std Dev 0

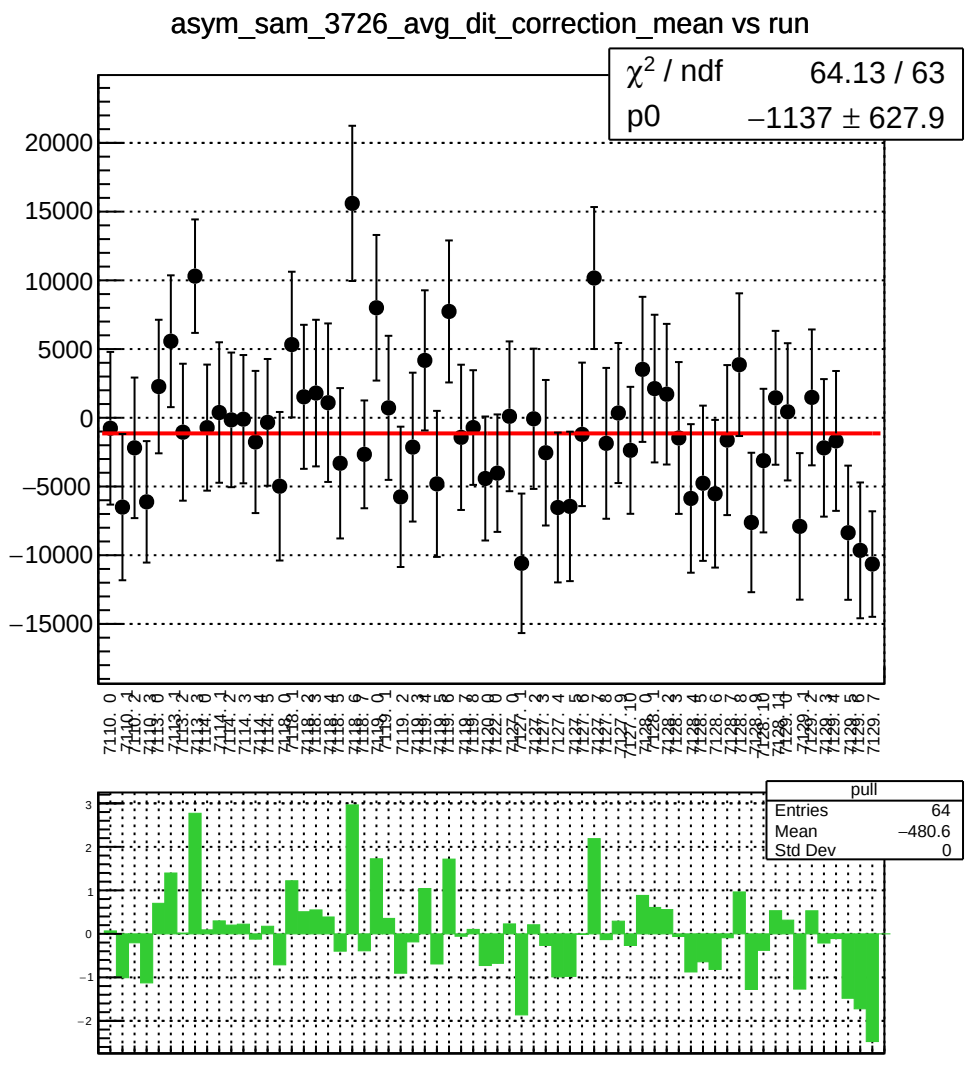

pull1D
Entries 64
Mean 0.03774
Std Dev 1.01

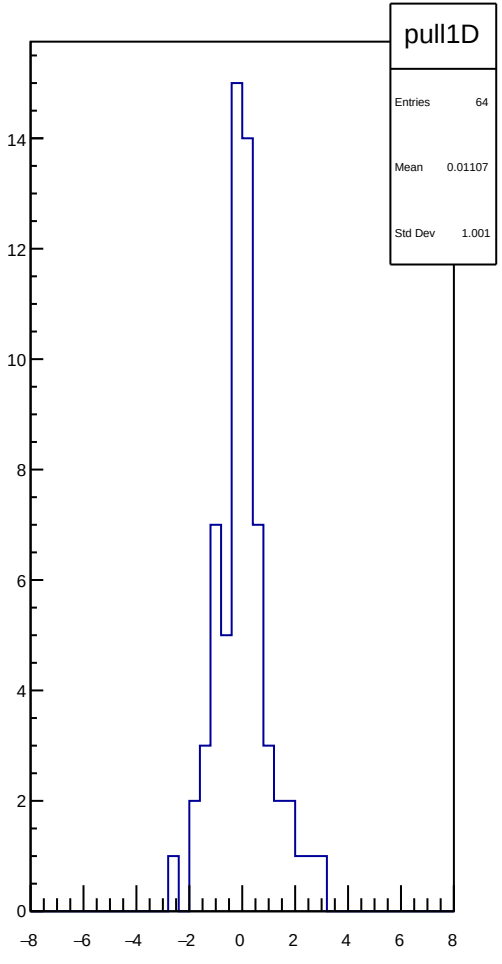

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.813e+04 / 63
p0 447.1 ± 0.4085
700
650
600
550
500
450
400

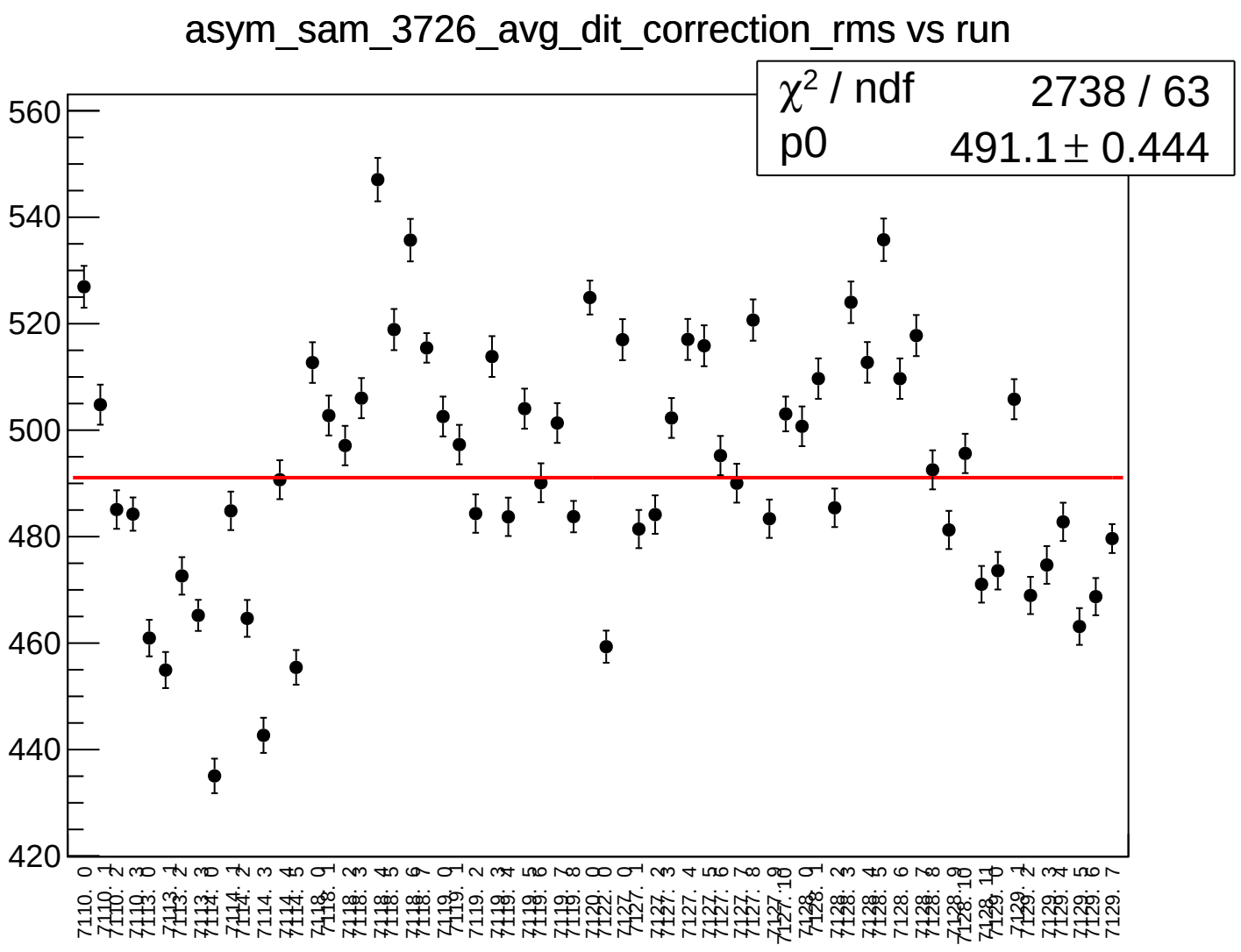

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 54.96 / 63
p0 −152.3 ± 141.1
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −118.7
Std Dev 0
2
1
0
−1
−2

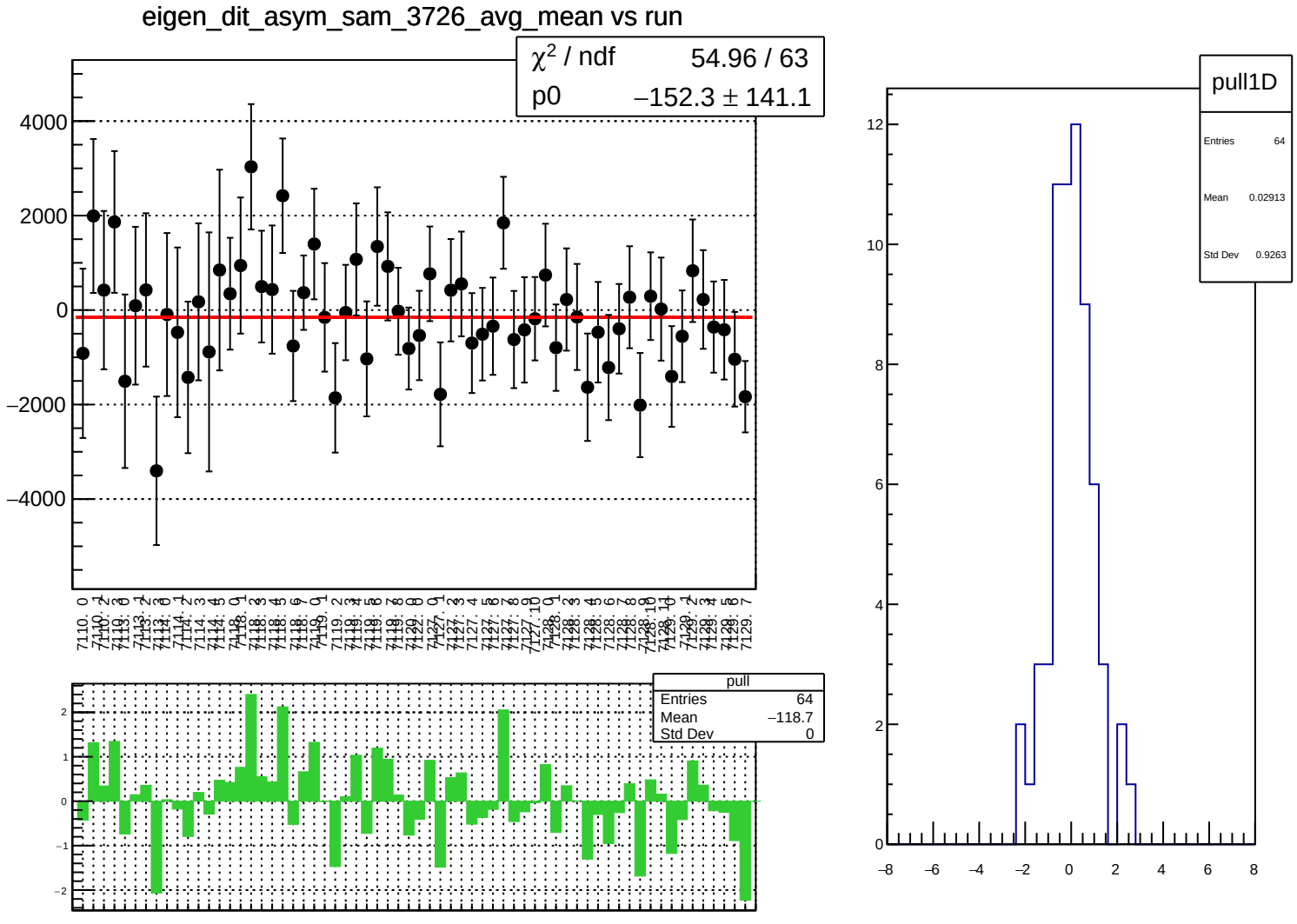

pull1D
Entries 64
Mean 0.02913
Std Dev 0.9263
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

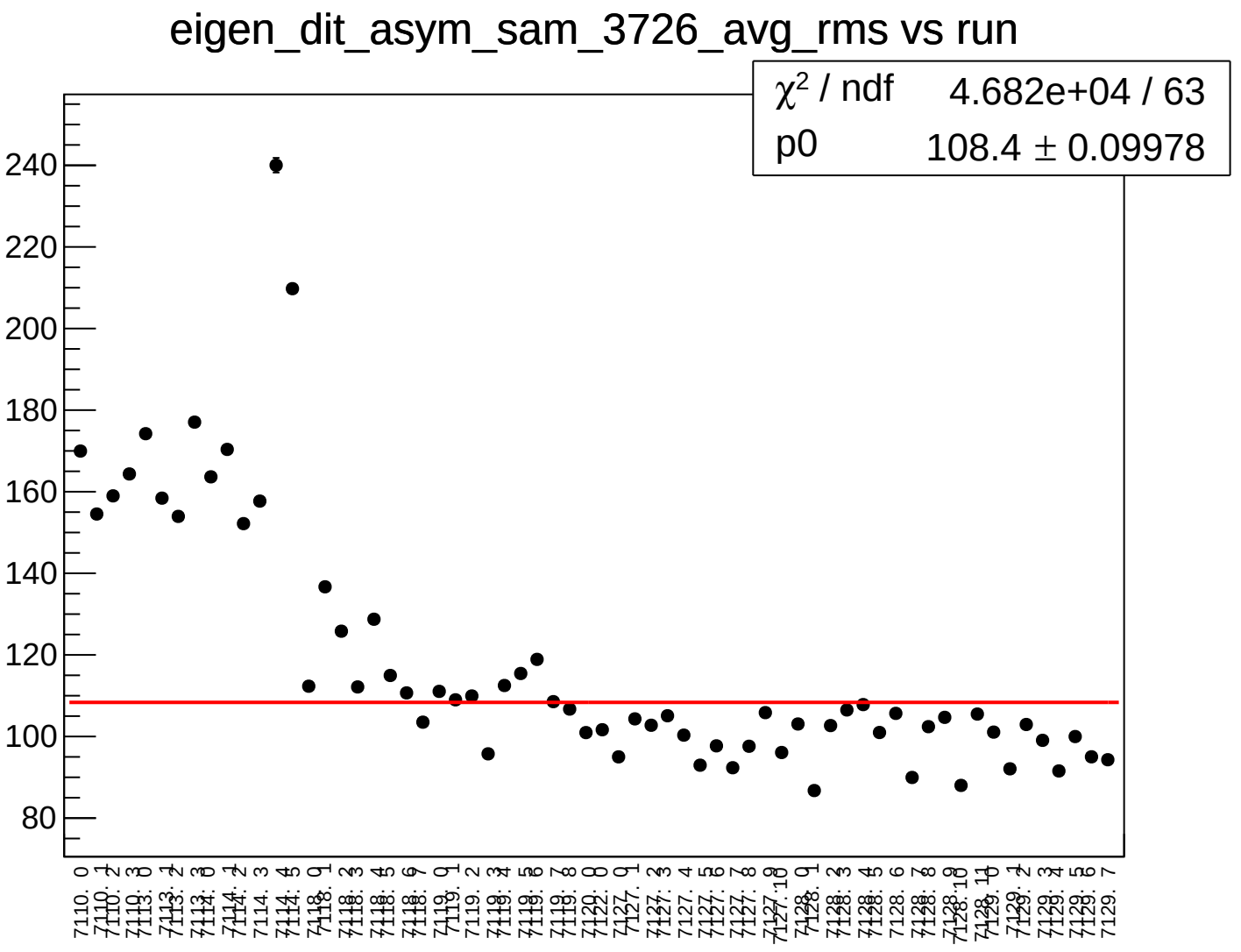

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 4.681e+04 / 63
p0 108.4 ± 0.09978
240
220
200
180
160
140
120
100
80

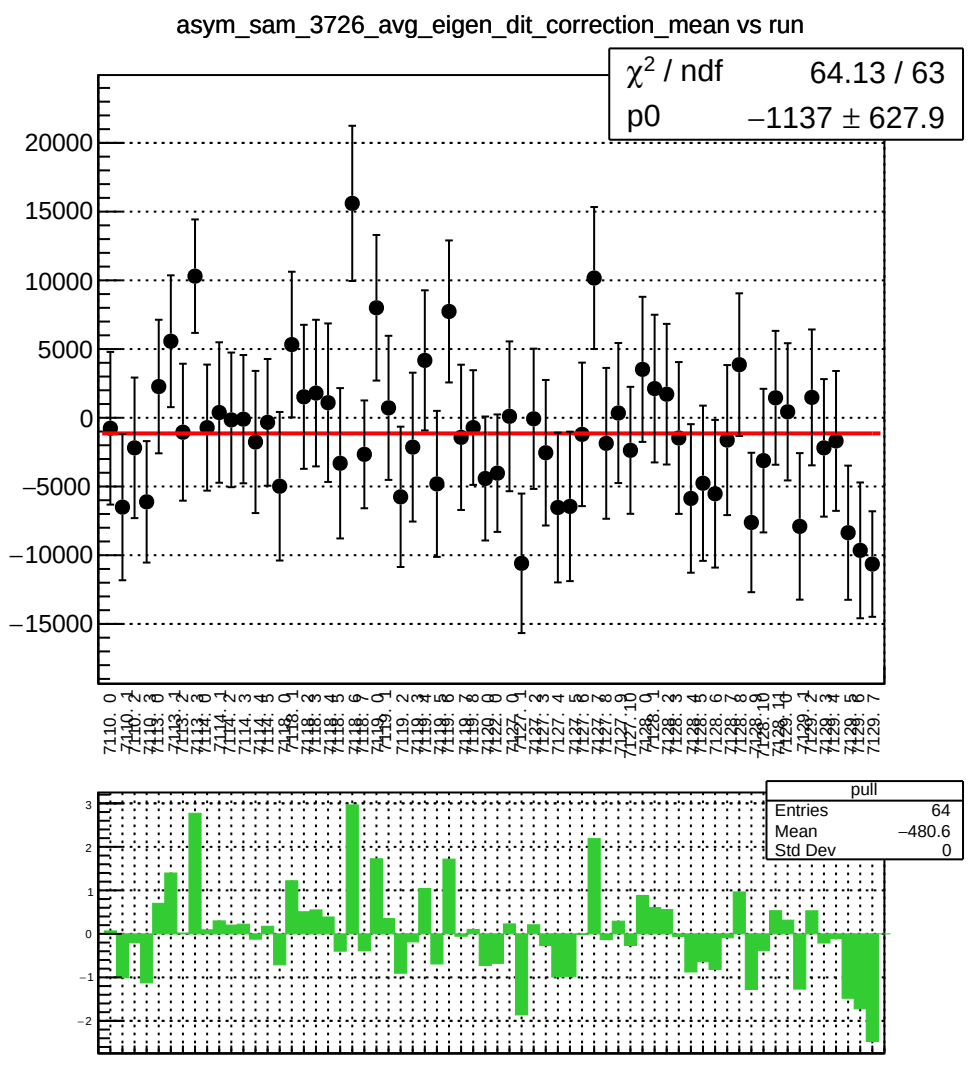

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 64.13 / 63
p0 −1137 ± 627.9
pull
Entries 64
Mean −480.6
Std Dev 0

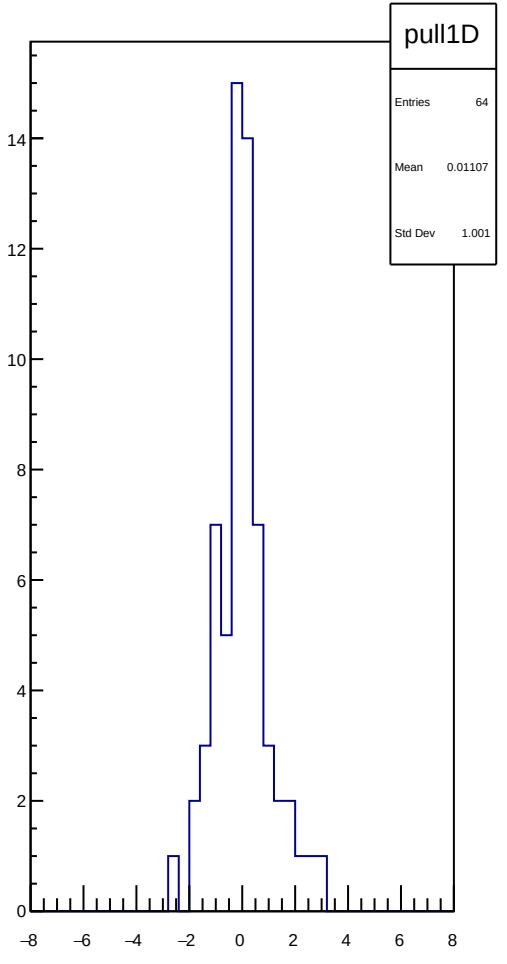

pull1D
Entries 64
Mean 0.01107
Std Dev 1.001

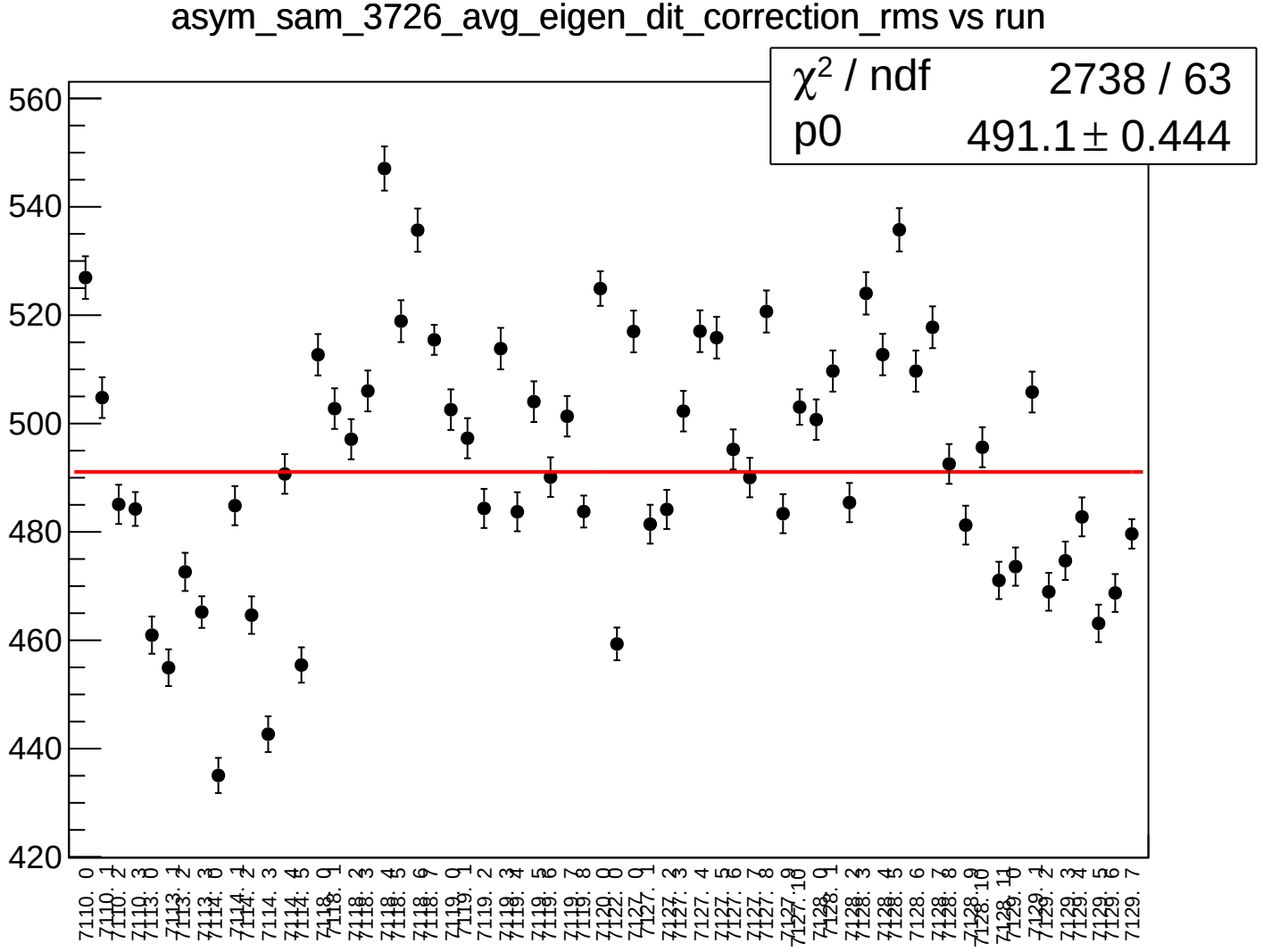

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 2738 / 63
p0 491.1 ± 0.444
560
540
520
500
480
460
440
420

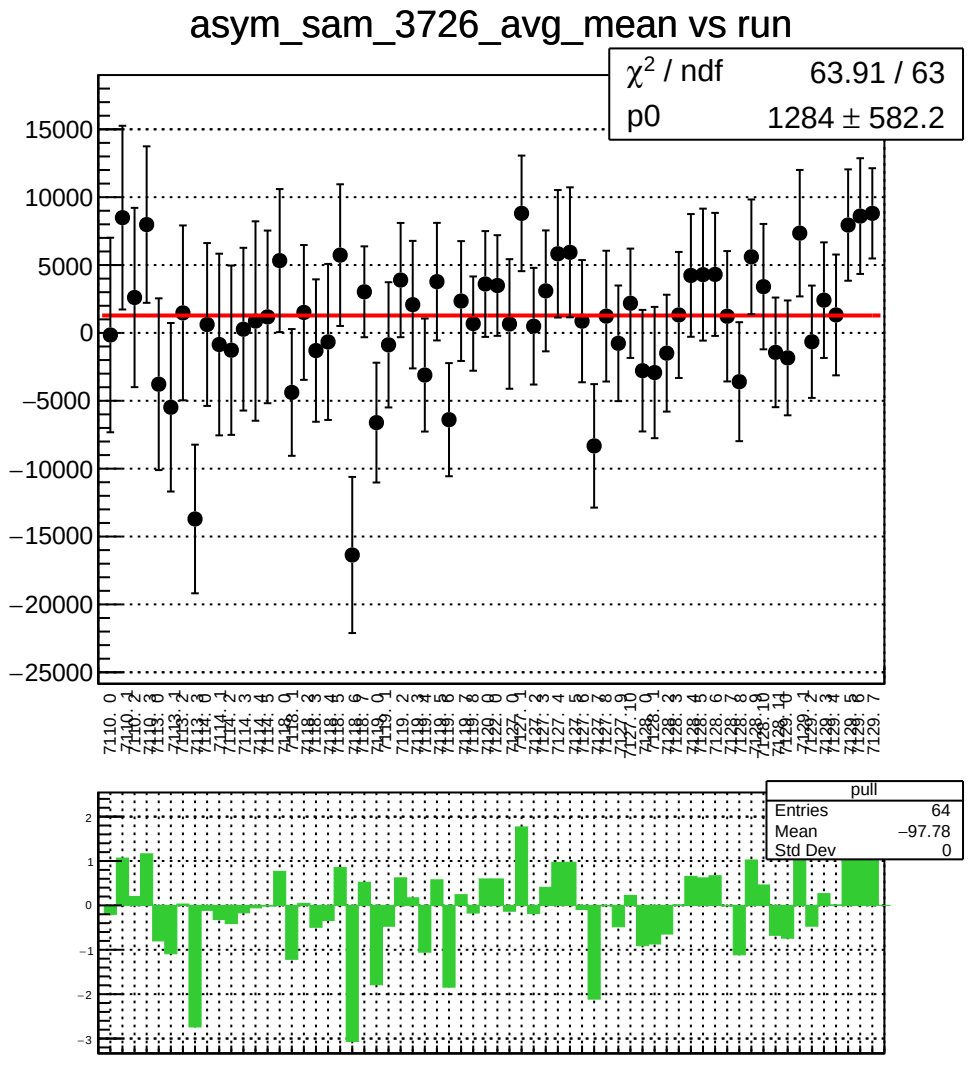

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 54.96 / 63
p0 −152.3 ± 141.1
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −118.7
Std Dev 0
pull1D
Entries 64
Mean 0.02913
Std Dev 0.9263

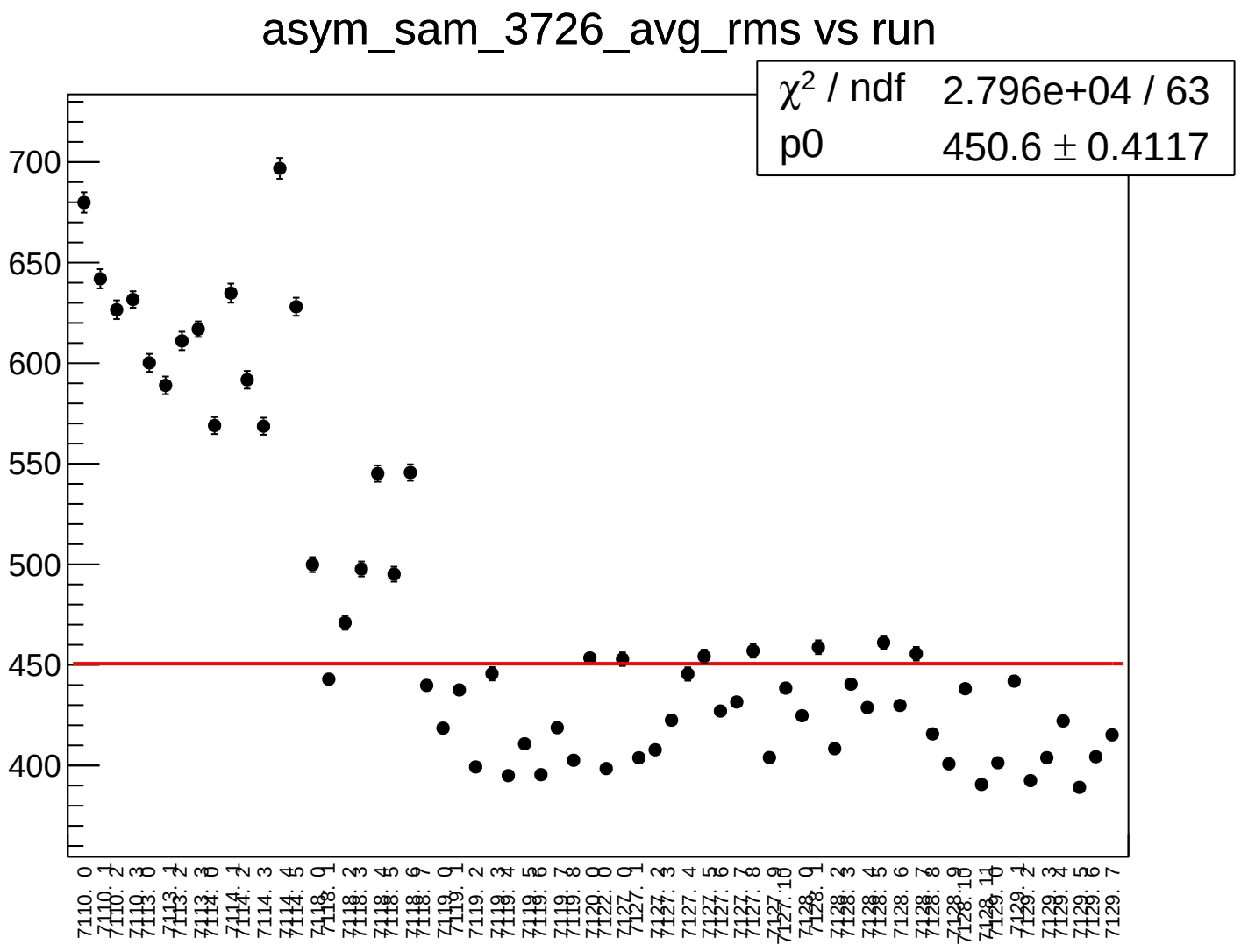

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 4.682e+04 / 63
p0 108.4 ± 0.09978
240
220
200
180
160
140
120
100
80

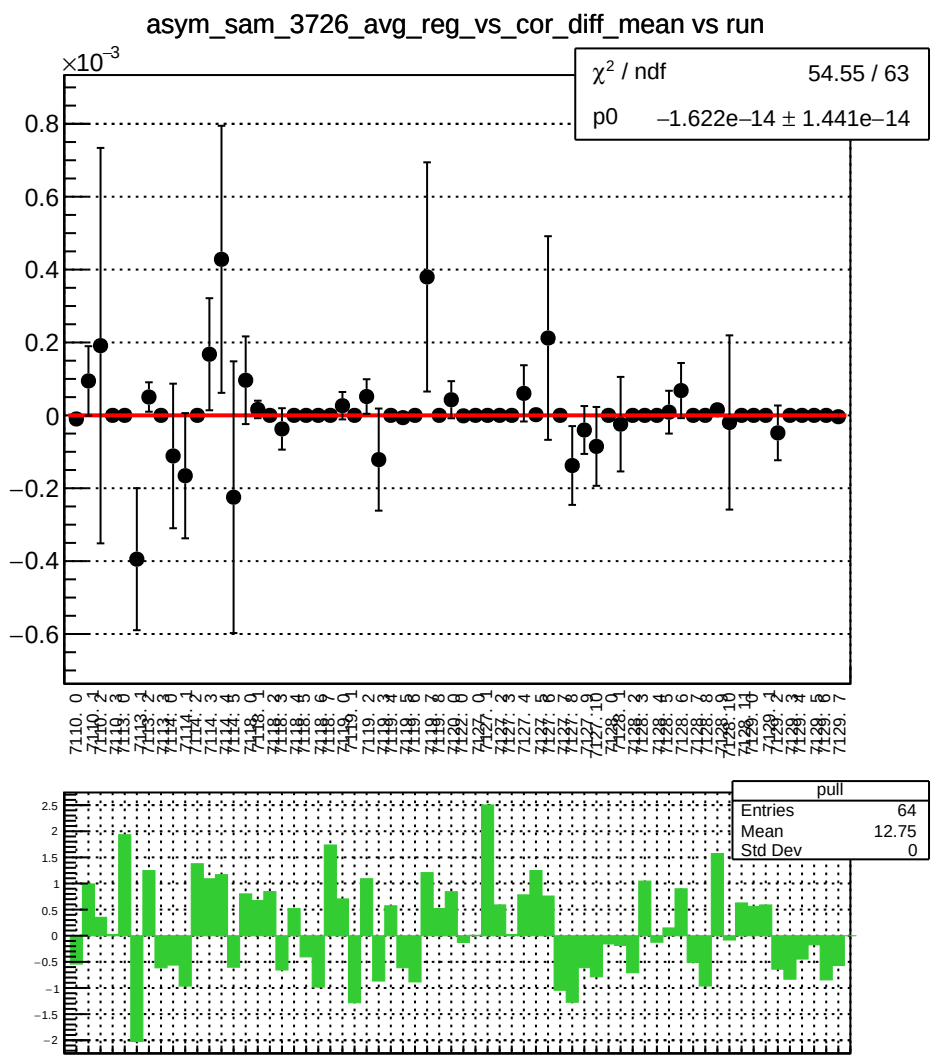

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.13 / 63
p0 −1137 ± 627.9
pull
Entries 64
Mean −480.6
Std Dev 0

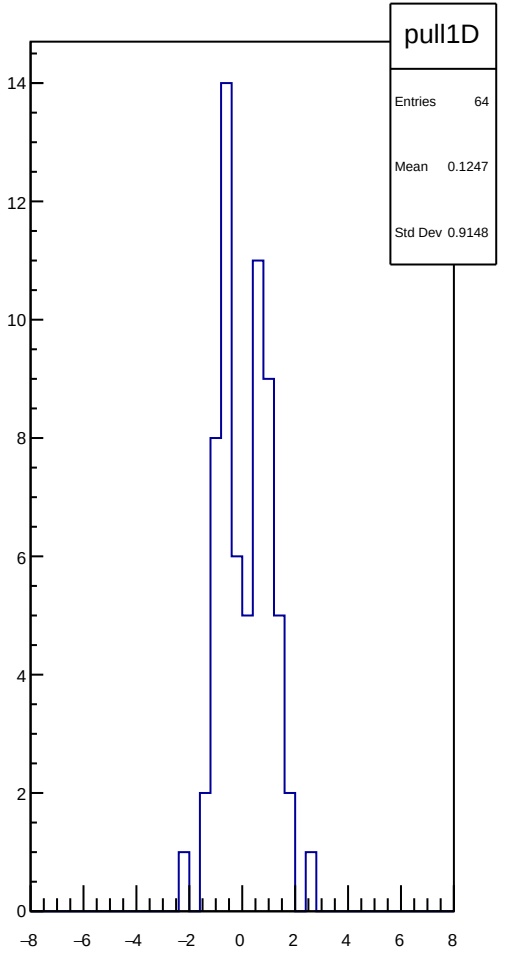

pull1D
Entries 64
Mean 0.01107
Std Dev 1.001

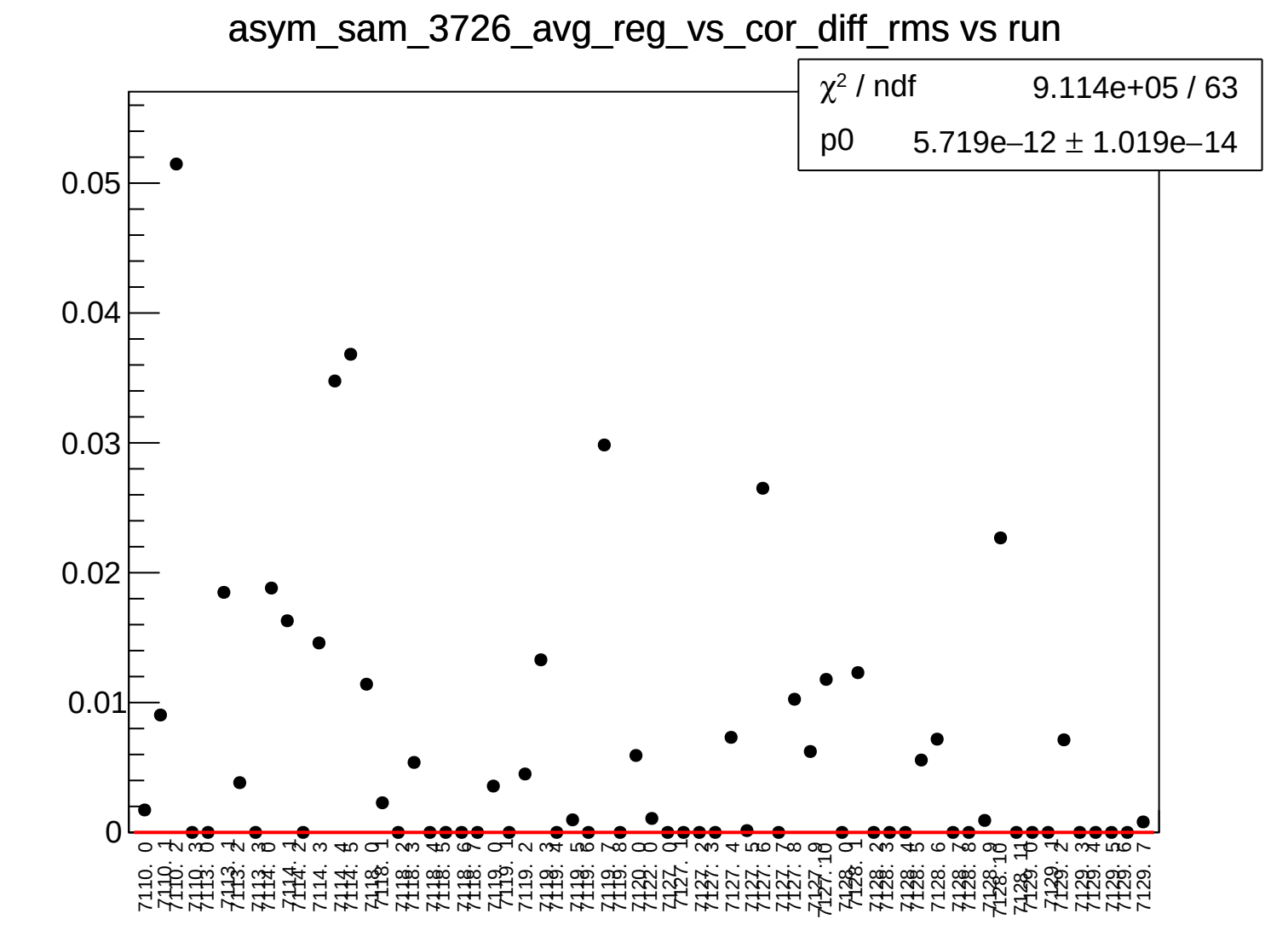

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 2738 / 63
p0 491.1 ± 0.444
560
540
520
500
480
460
440
420

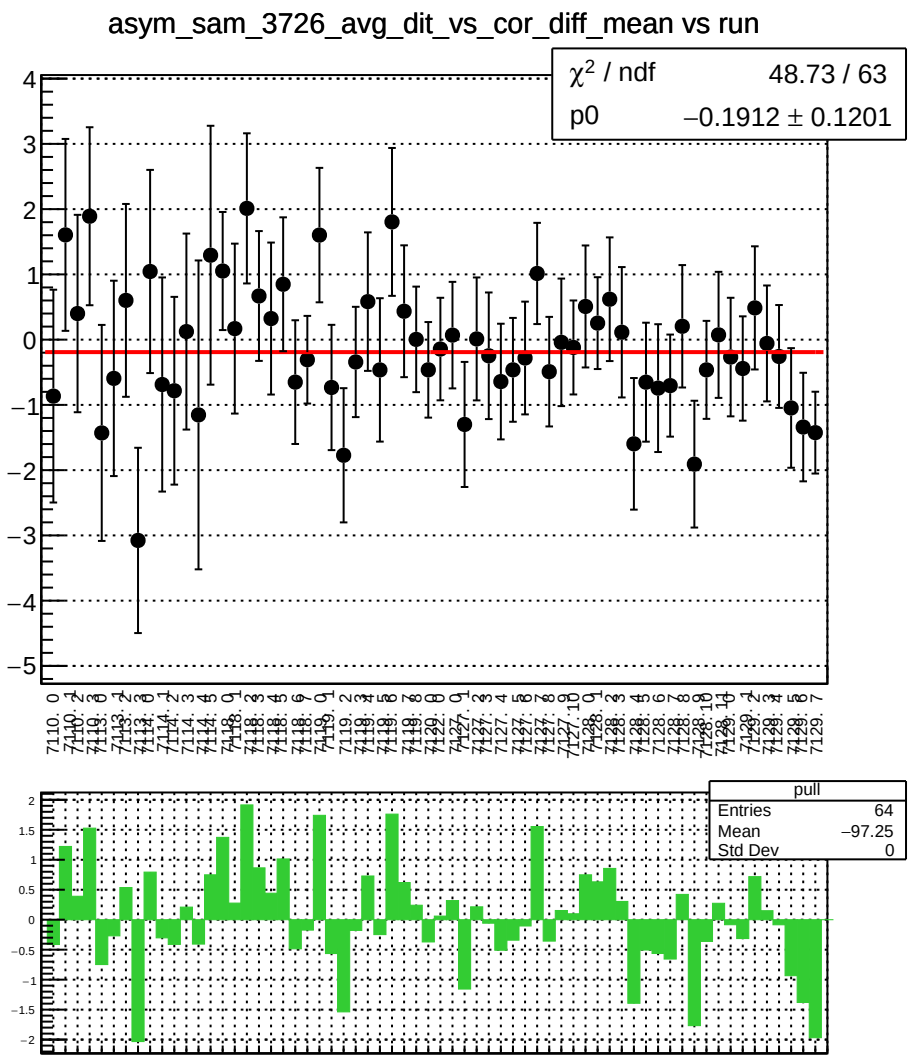

asym_sam_3726_avg_mean vs run
χ² / ndf 63.91 / 63
p0 1284 ± 582.2
pull
Entries 64
Mean −97.78
Std Dev 0
pull1D
Entries 64
Mean −0.03728
Std Dev 0.9986

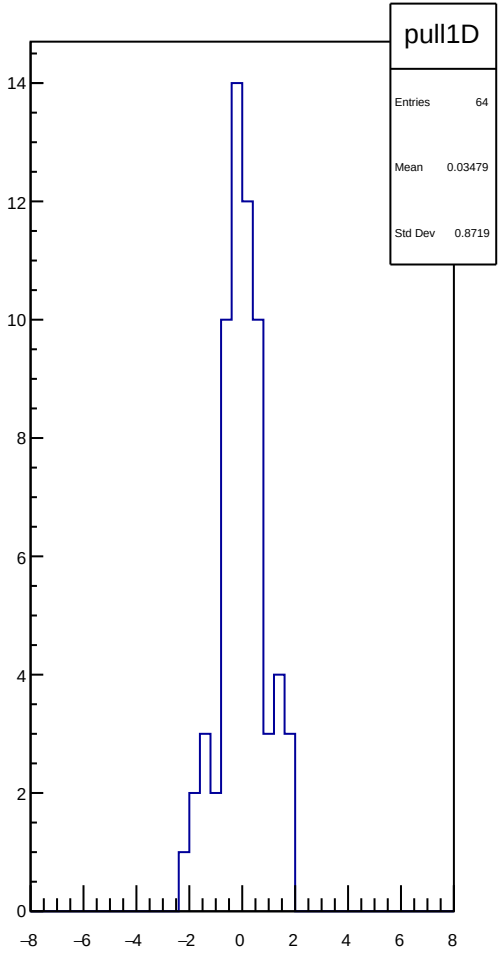

asym_sam_3726_avg_rms vs run
χ² / ndf 2.796e+04 / 63
p0 450.6 ± 0.4117
700
650
600
550
500
450
400

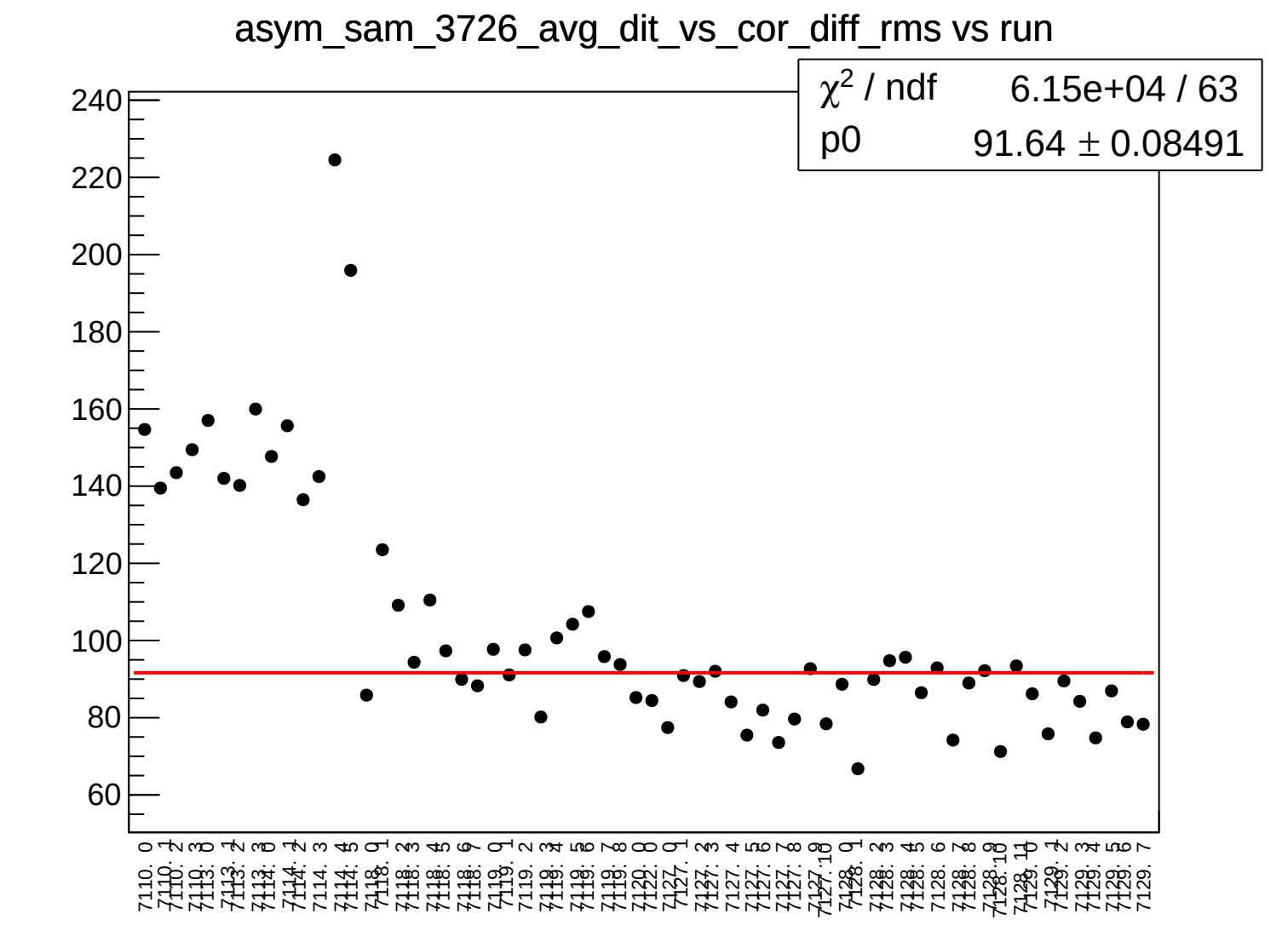

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 54.55 / 63
p0 −1.622e−14 ± 1.441e−14
pull
Entries 64
Mean 12.75
Std Dev 0

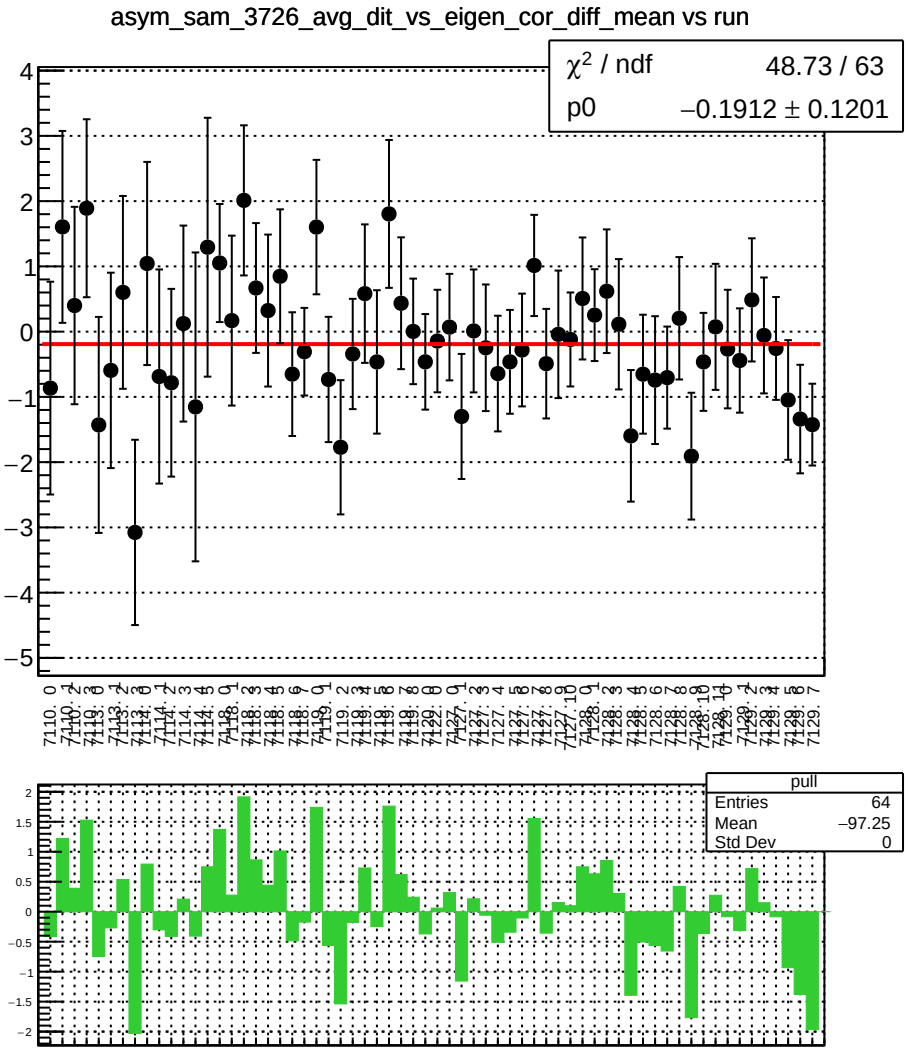

pull1D
Entries 64
Mean 0.1247
Std Dev 0.9148

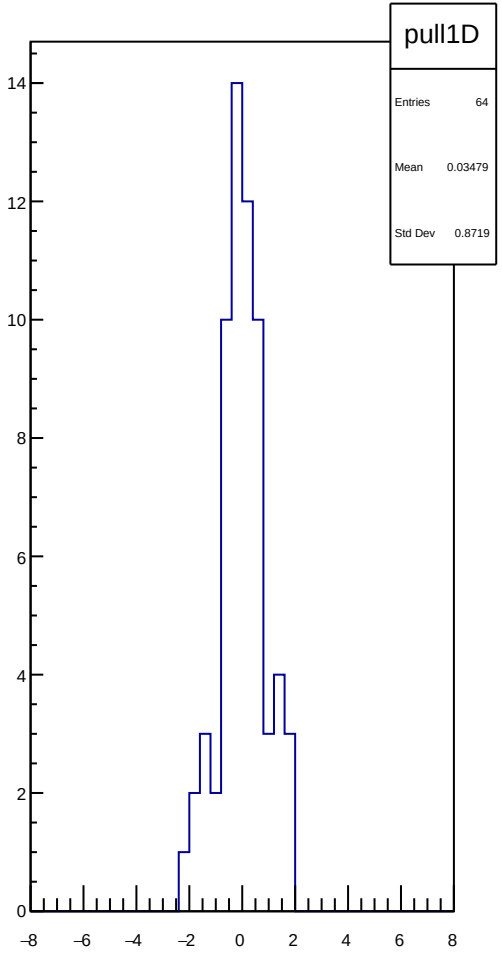

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.114e+05 / 63
p0 5.719e−12 ± 1.019e−14
0.05
0.04
0.03
0.02
0.01
0

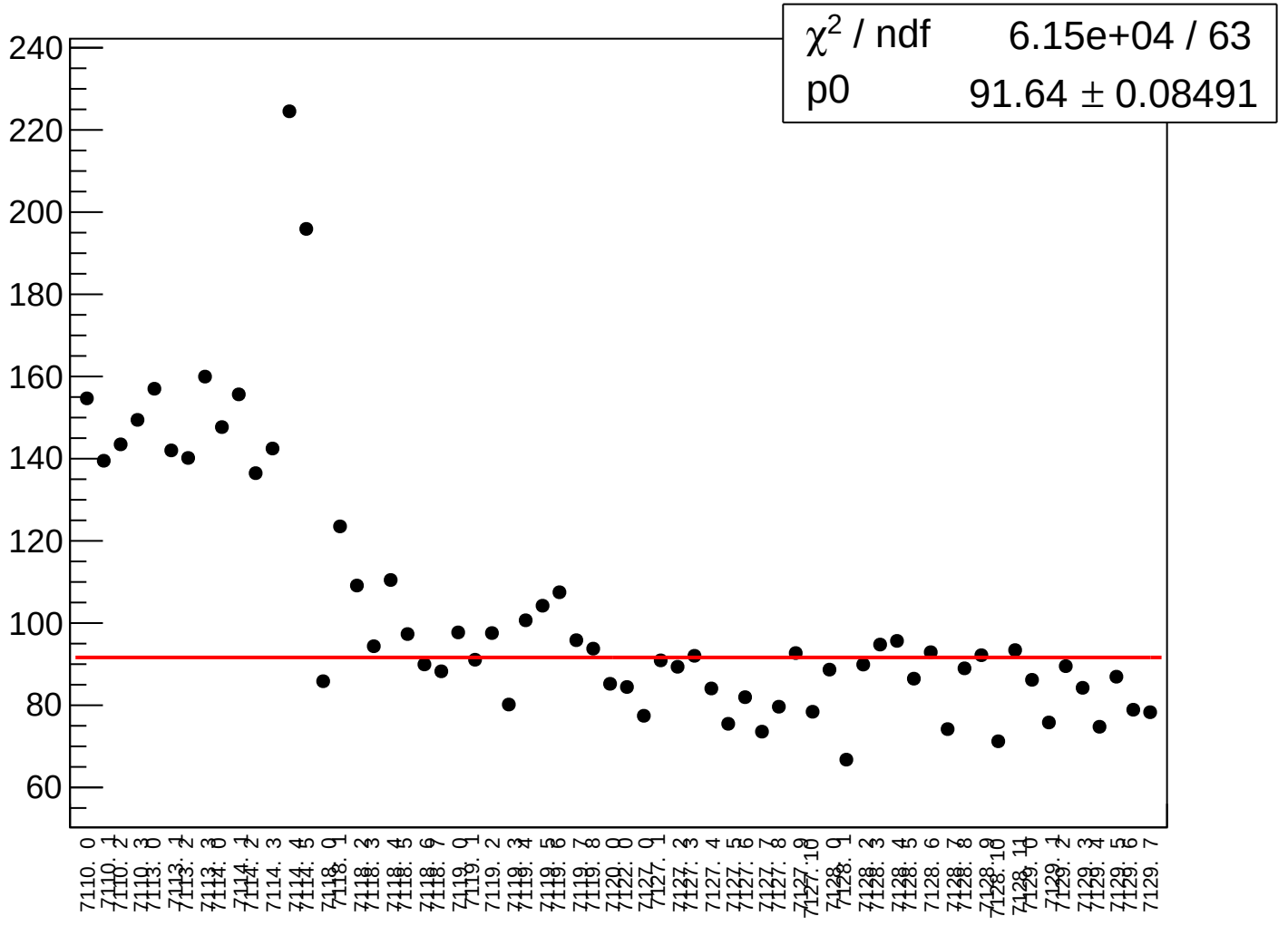

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.73 / 63
p0 −0.1912 ± 0.1201
pull
Entries 64
Mean −97.25
Std Dev 0

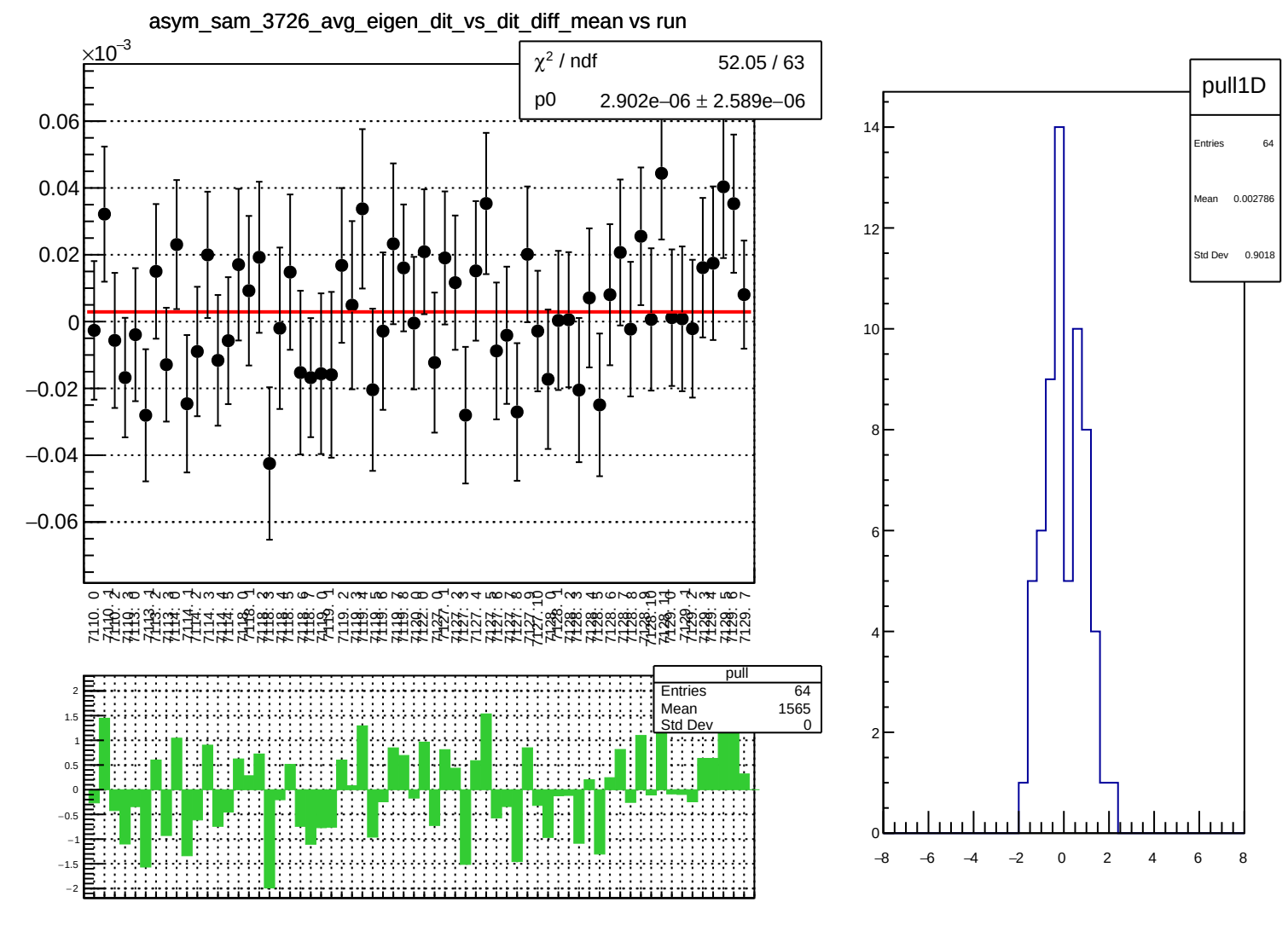

pull1D
Entries 64
Mean 0.03479
Std Dev 0.8719

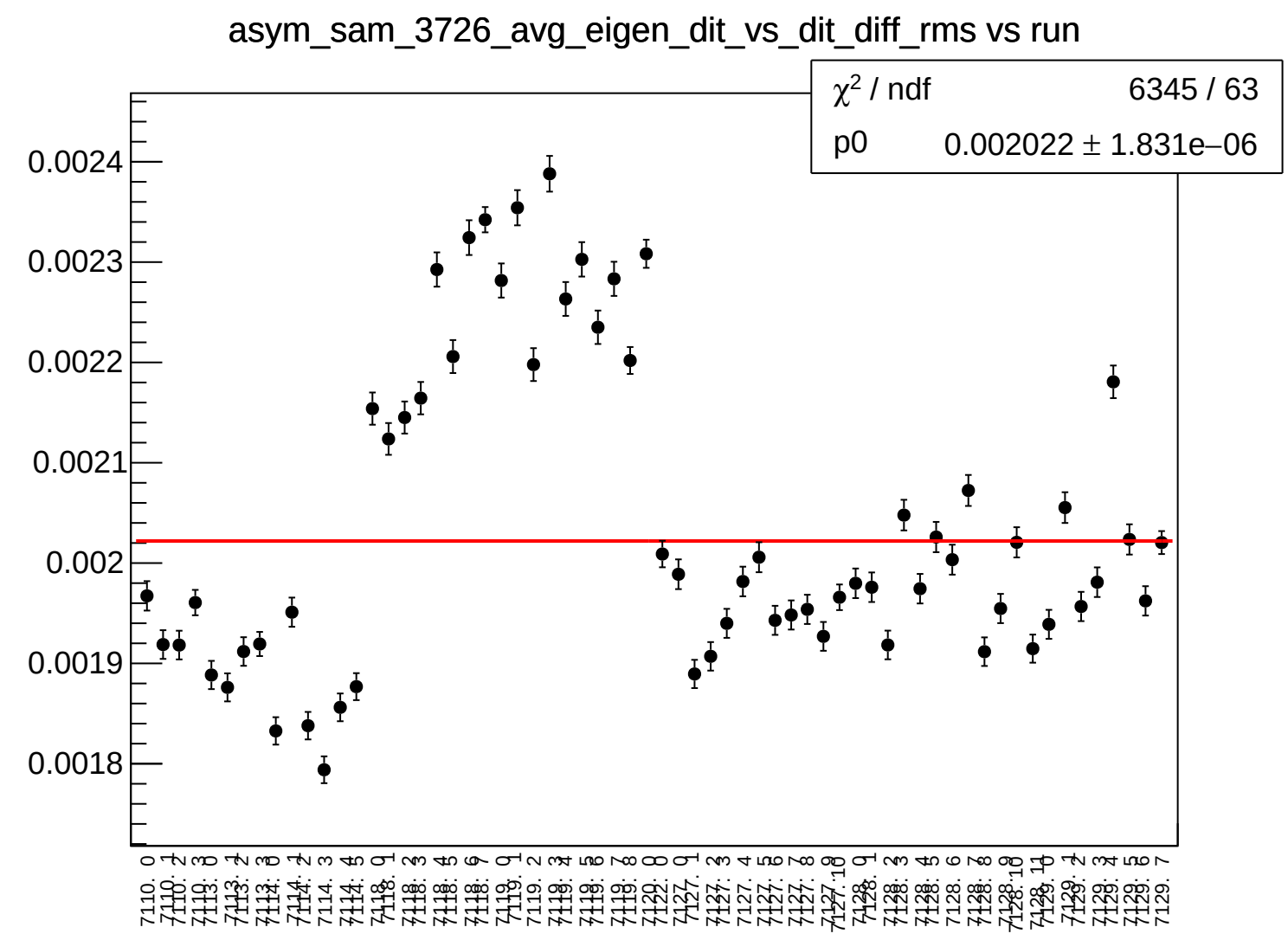

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.15e+04 / 63
p0 91.64 ± 0.08491
240
220
200
180
160
140
120
100
80
60

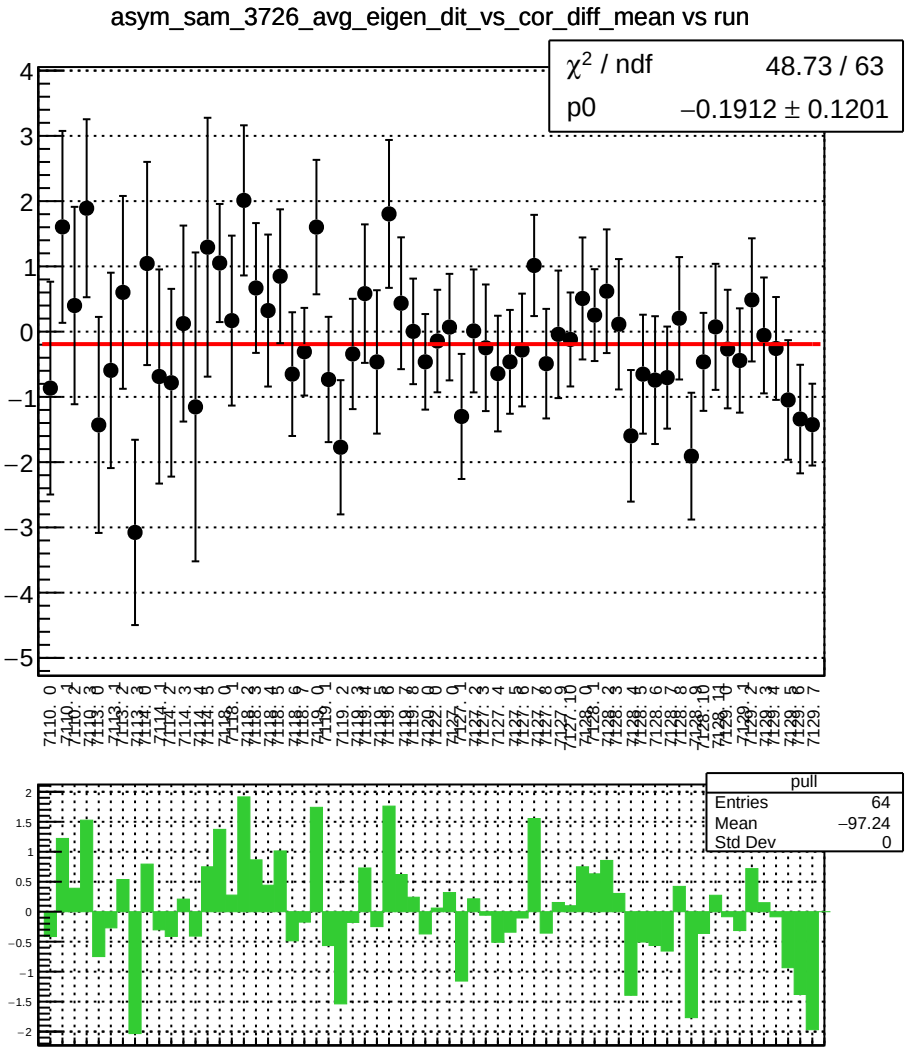

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.73 / 63
p0 −0.1912 ± 0.1201
pull
Entries 64
Mean −97.25
Std Dev 0

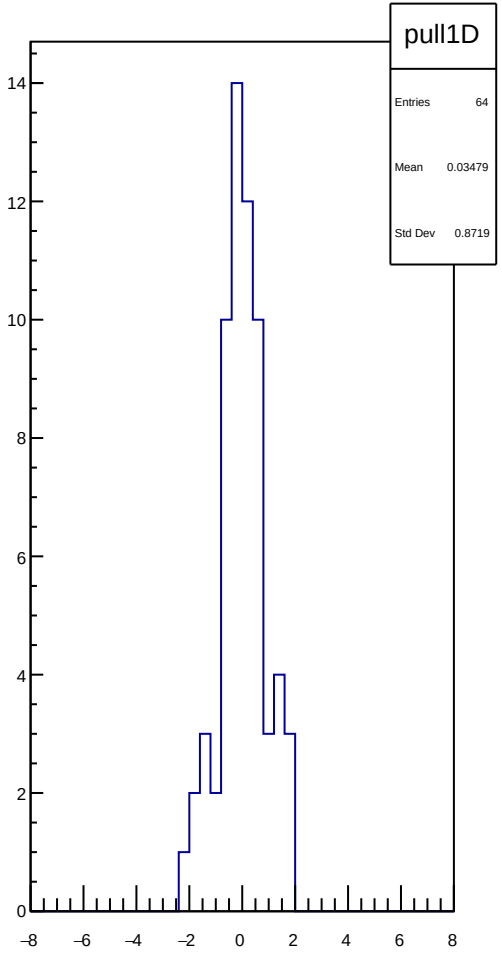

pull1D
Entries 64
Mean 0.03479
Std Dev 0.8719

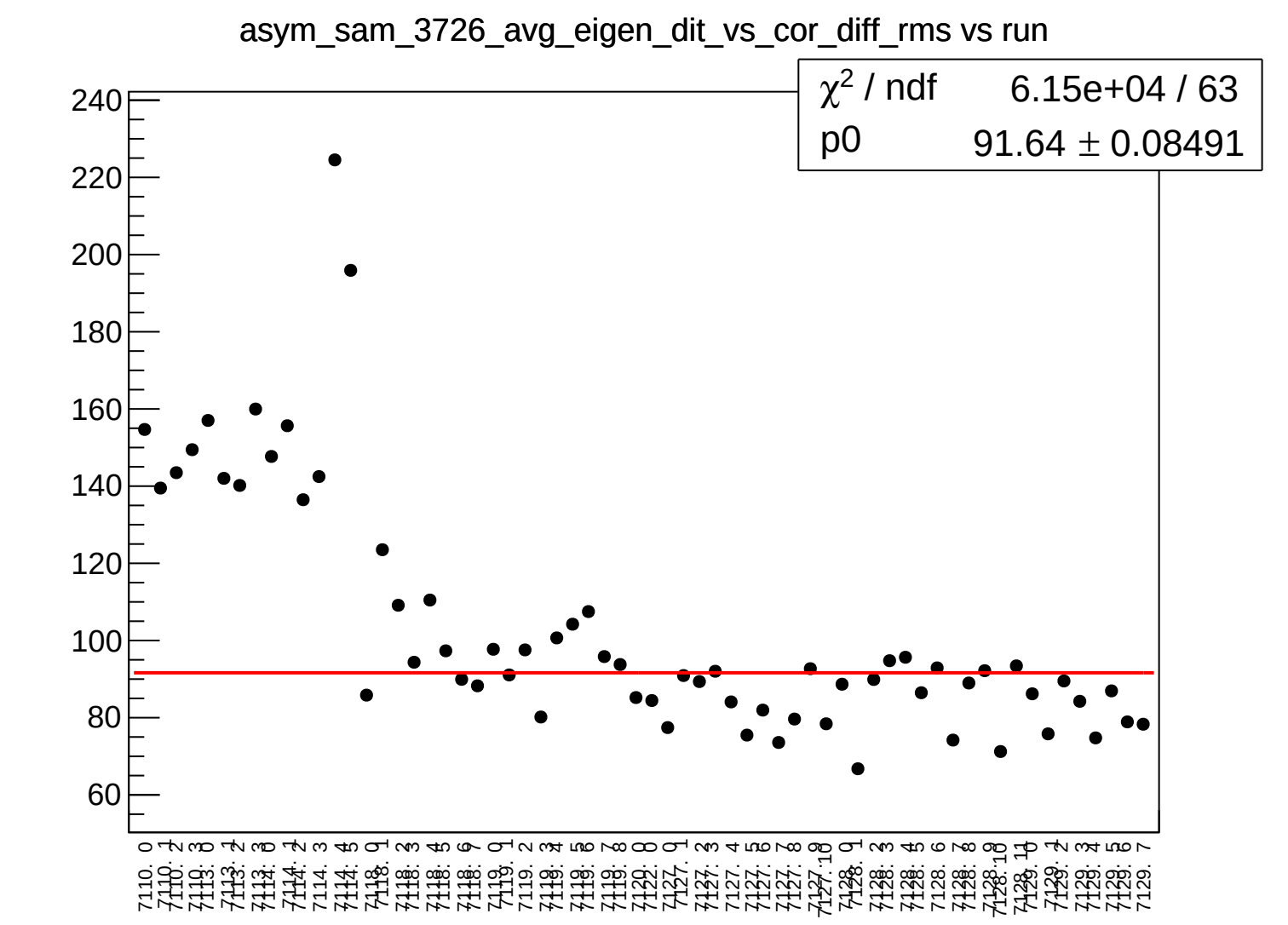

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.15e+04 / 63
p0 91.64 ± 0.08491
240
220
200
180
160
140
120
100
80
60

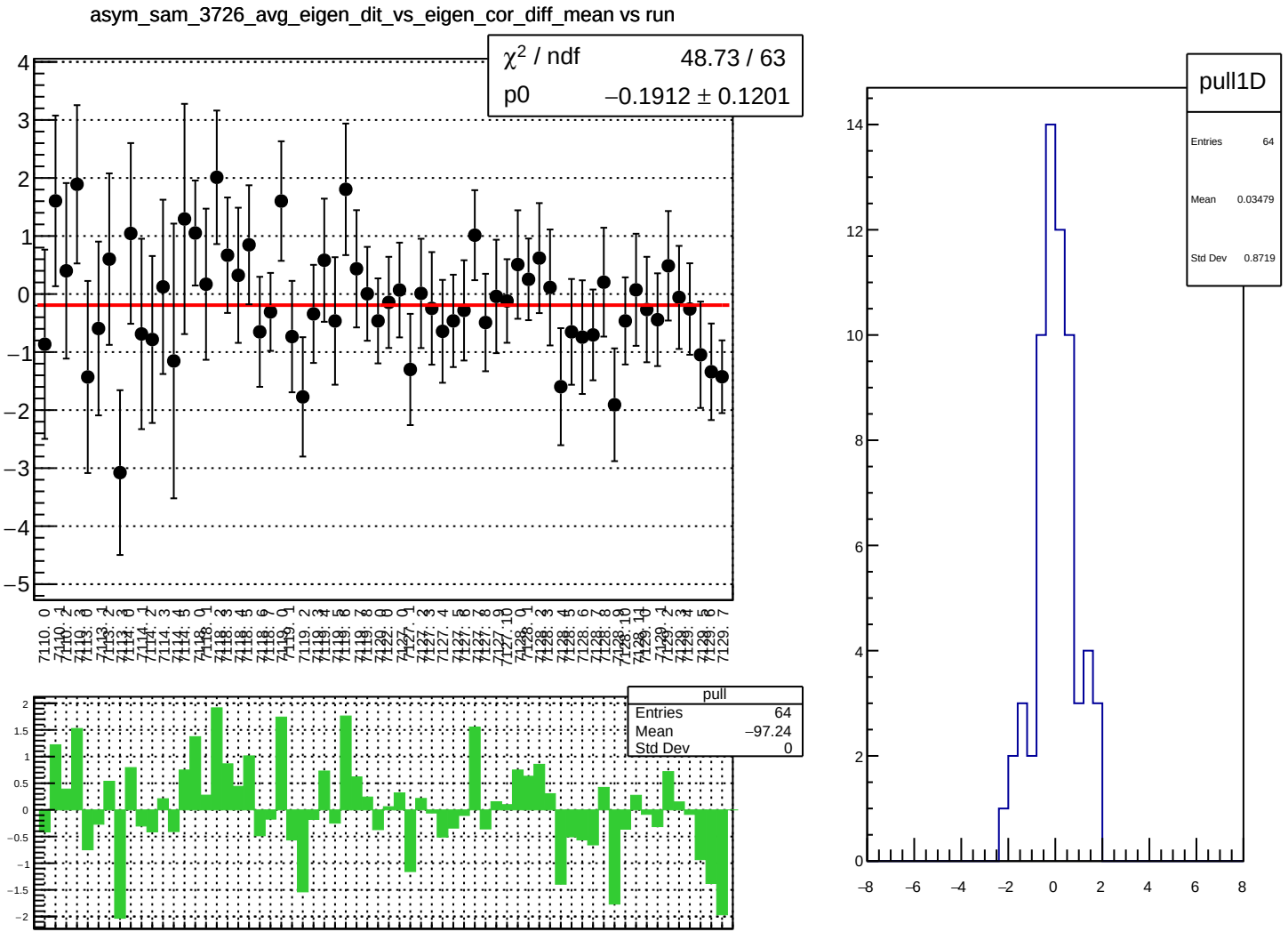

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.05 / 63
p0 2.902e−06 ± 2.589e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 1565
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean 0.002786
Std Dev 0.9018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

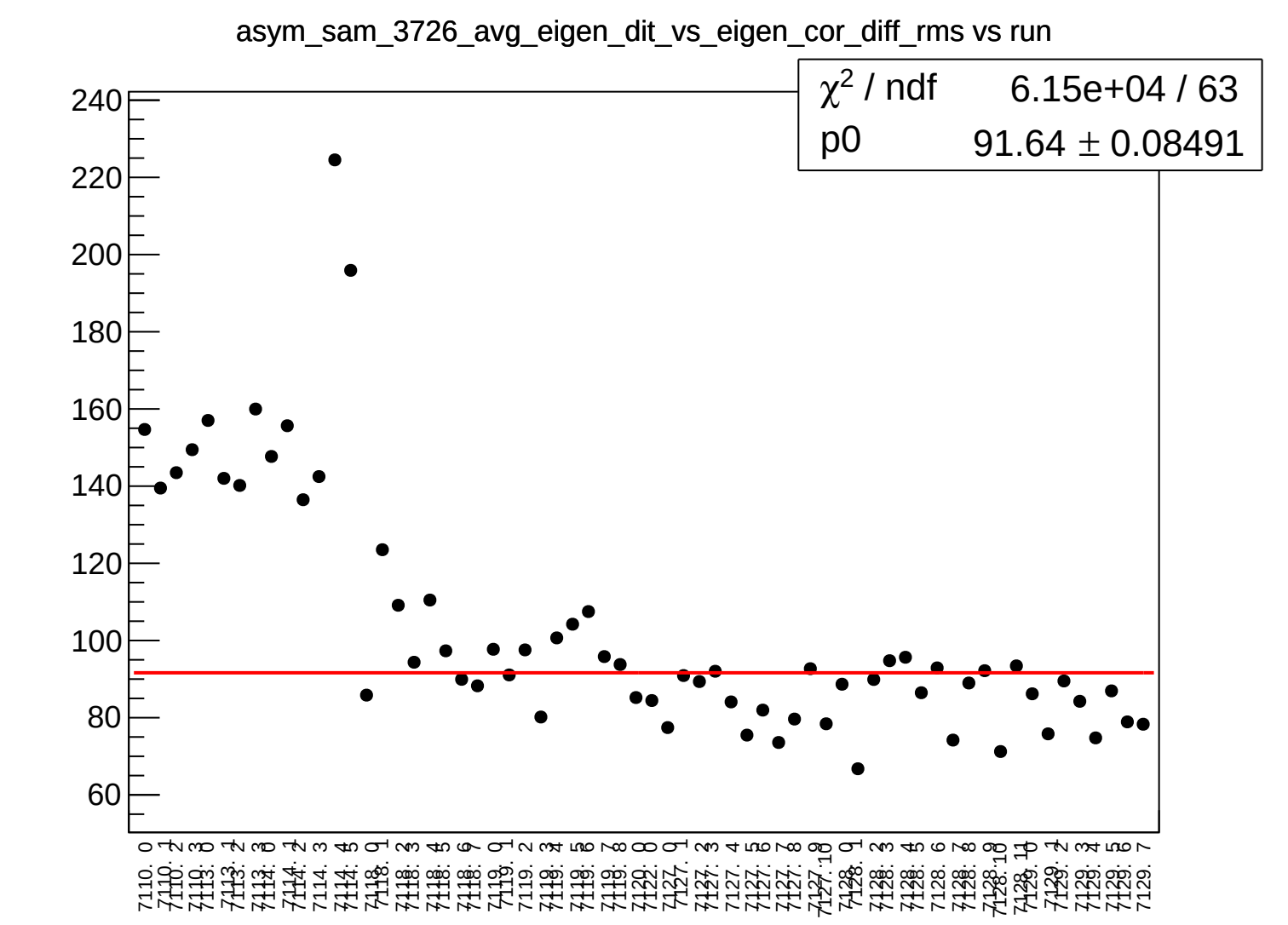

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6345 / 63
p0 0.002022 ± 1.831e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

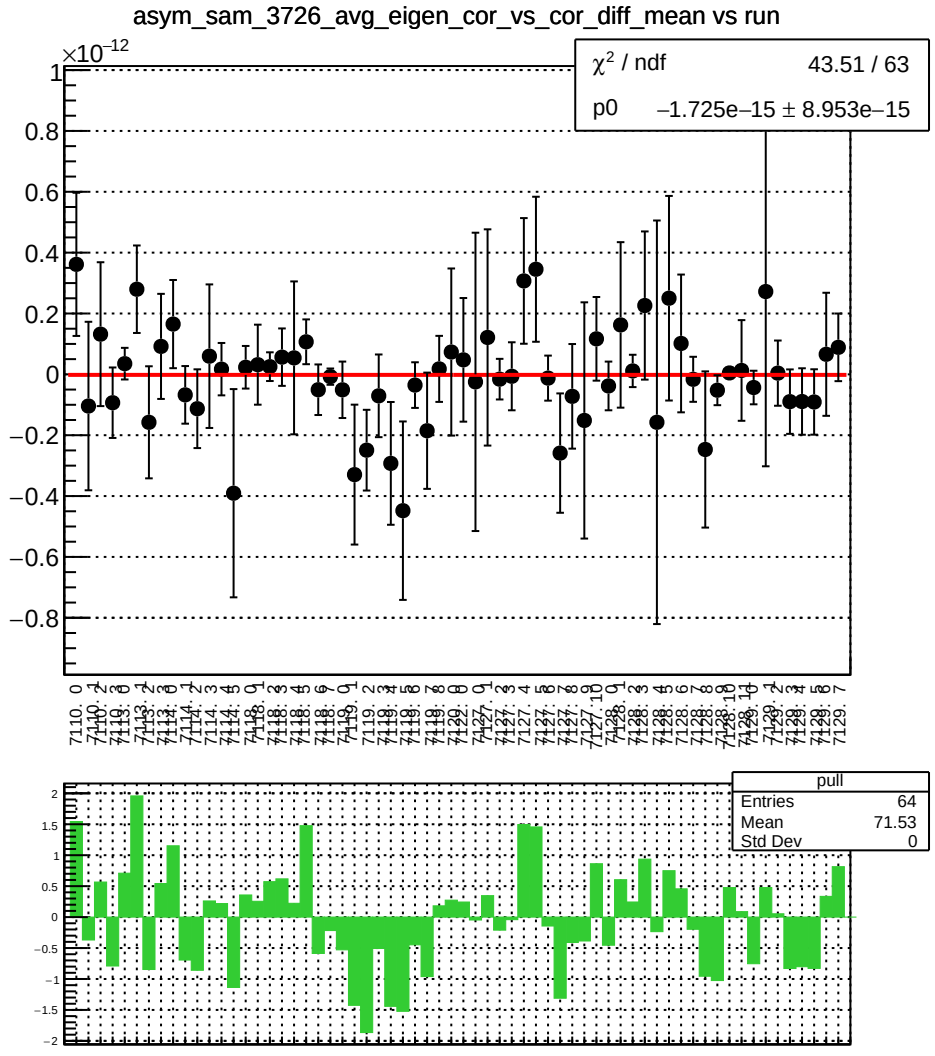

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.73 / 63
p0 −0.1912 ± 0.1201
pull
Entries 64
Mean −97.24
Std Dev 0

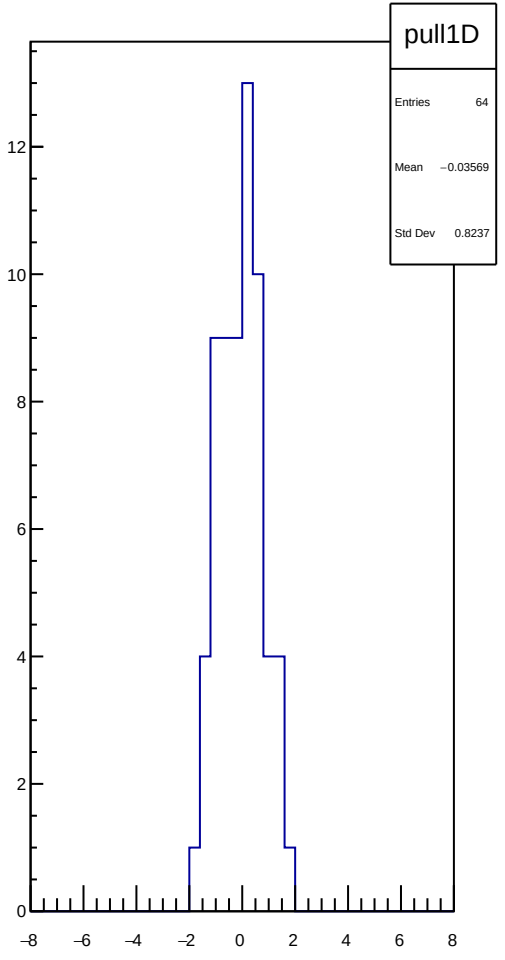

pull1D
Entries 64
Mean 0.03479
Std Dev 0.8719

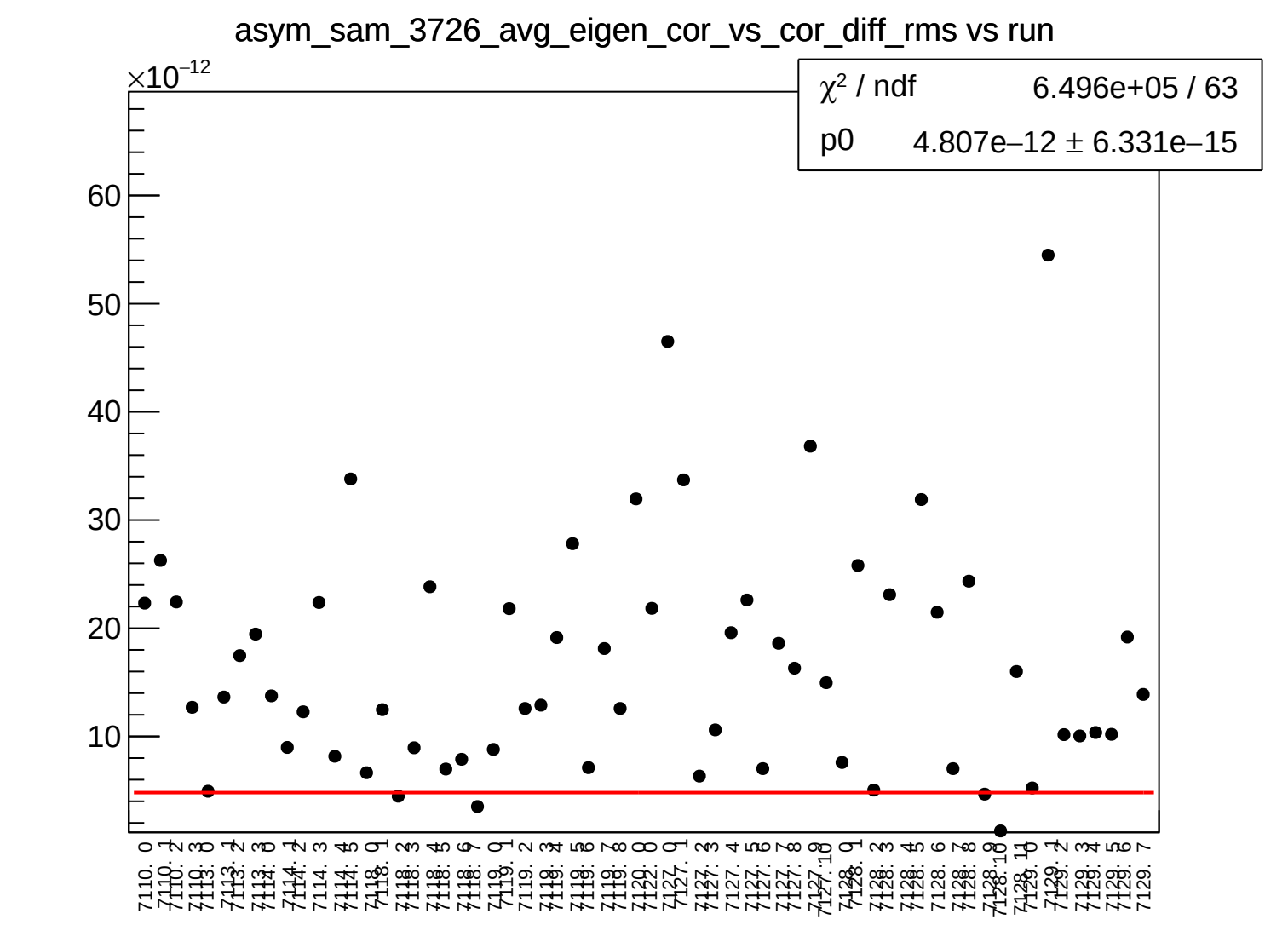

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.15e+04 / 63
p0 91.64 ± 0.08491
240
220
200
180
160
140
120
100
80
60

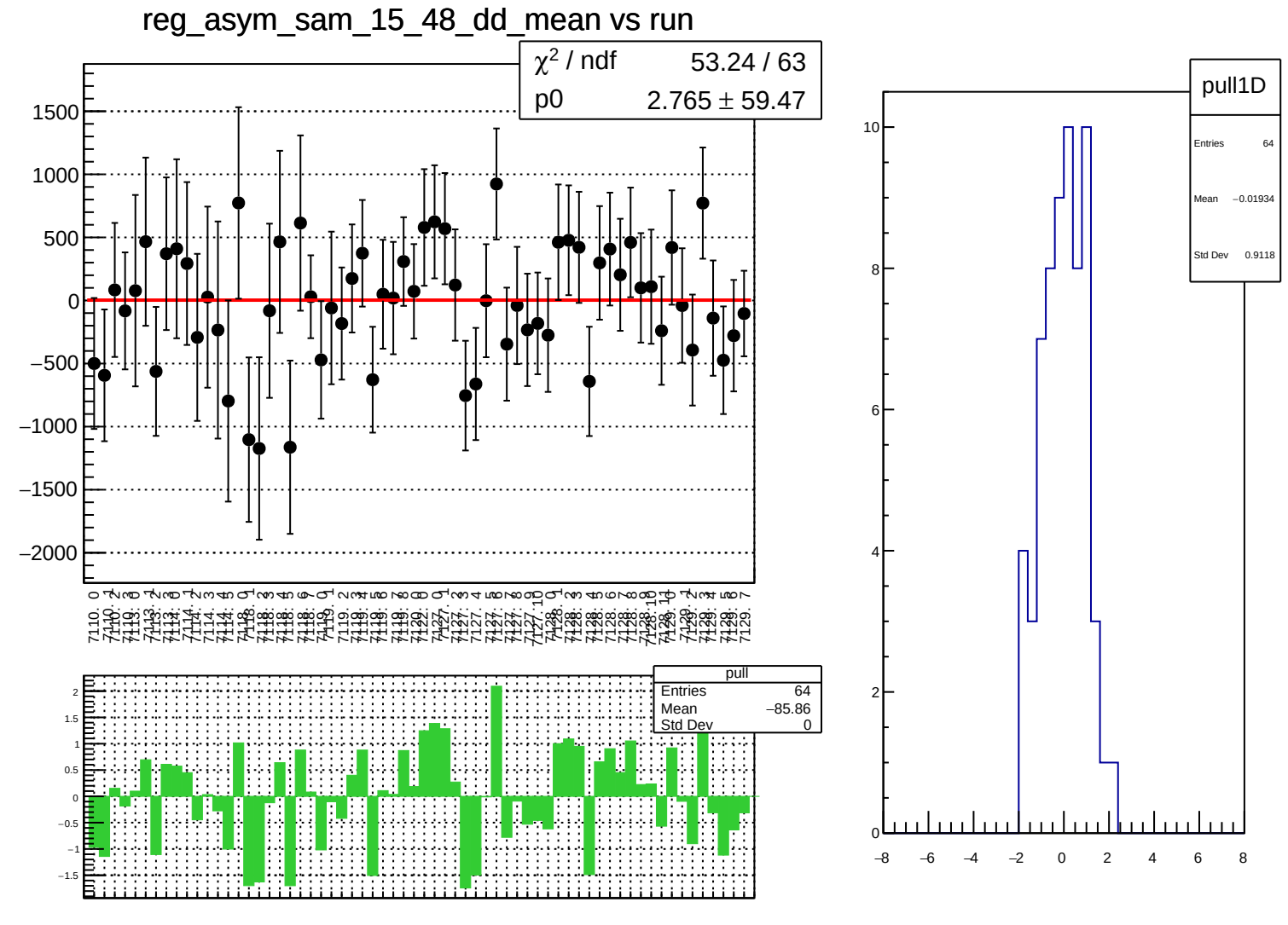

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.73 / 63
p0 −0.1912 ± 0.1201
pull
Entries 64
Mean −97.24
Std Dev 0
pull1D
Entries 64
Mean 0.03479
Std Dev 0.8719

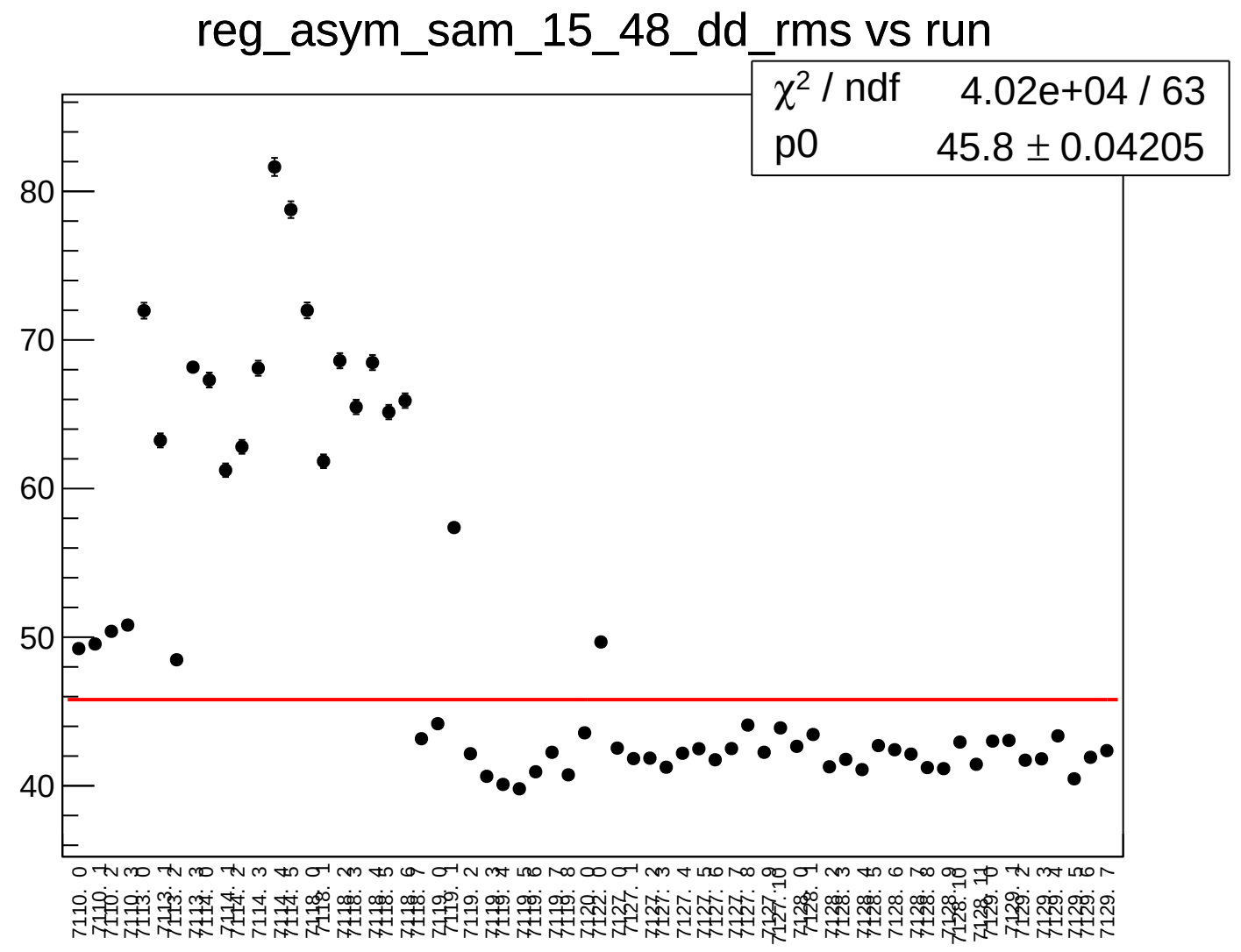

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.15e+04 / 63
p0 91.64 ± 0.08491
240
220
200
180
160
140
120
100
80
60

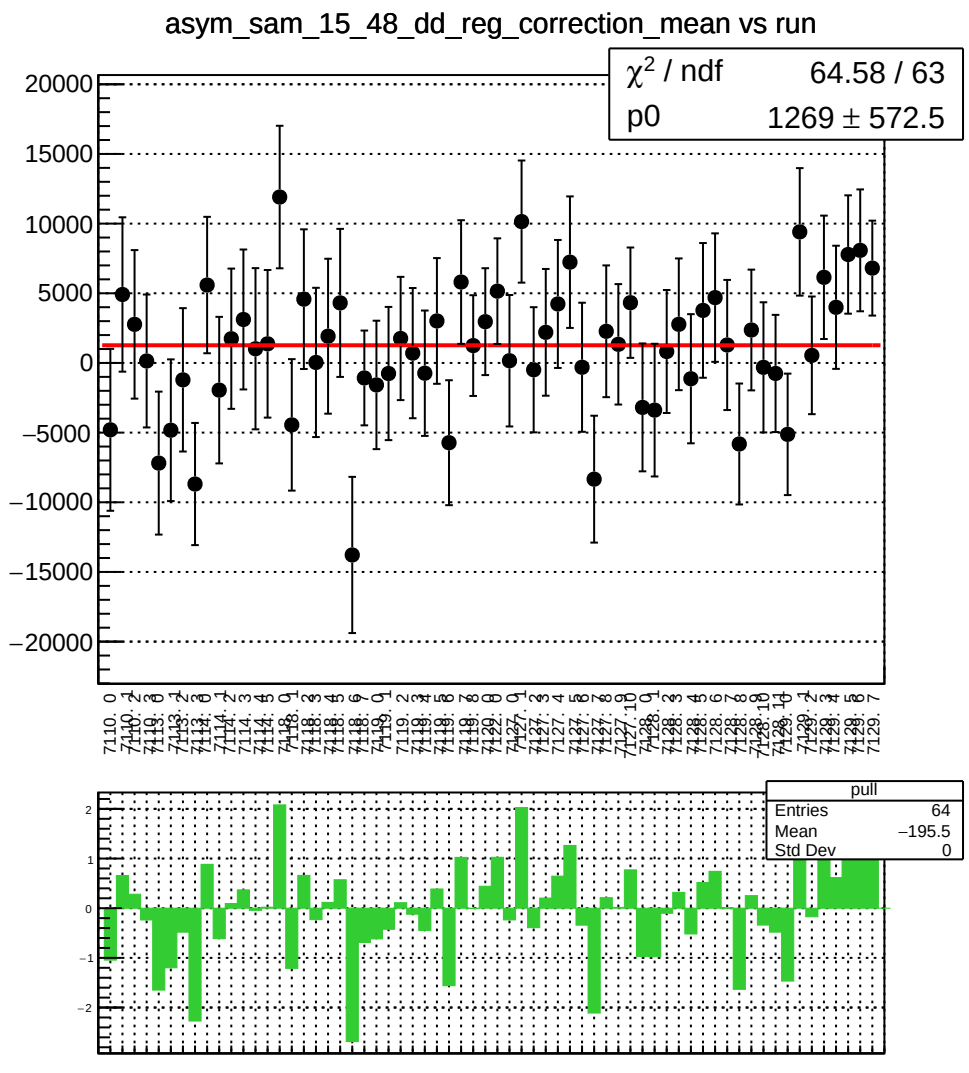

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.51 / 63
p0 −1.725e−15 ± 8.953e−15
pull
Entries 64
Mean 71.53
Std Dev 0

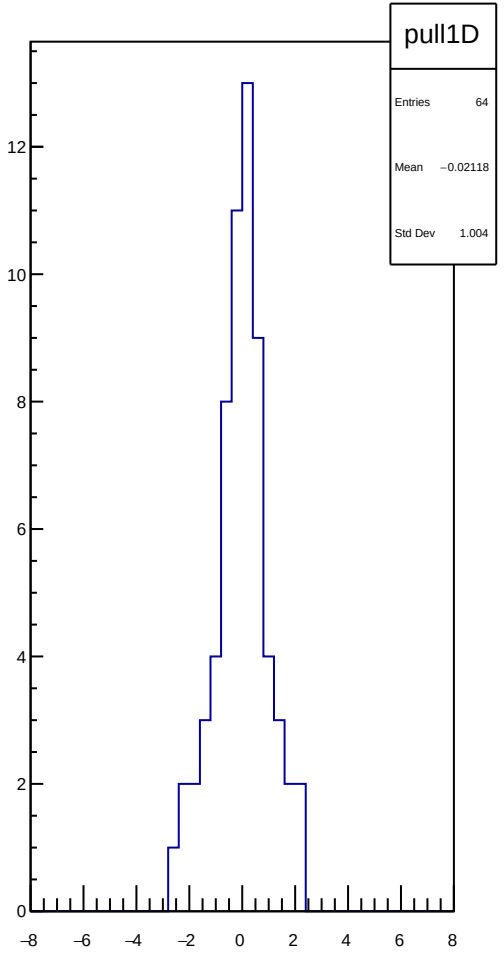

pull1D
Entries 64
Mean −0.03569
Std Dev 0.8237

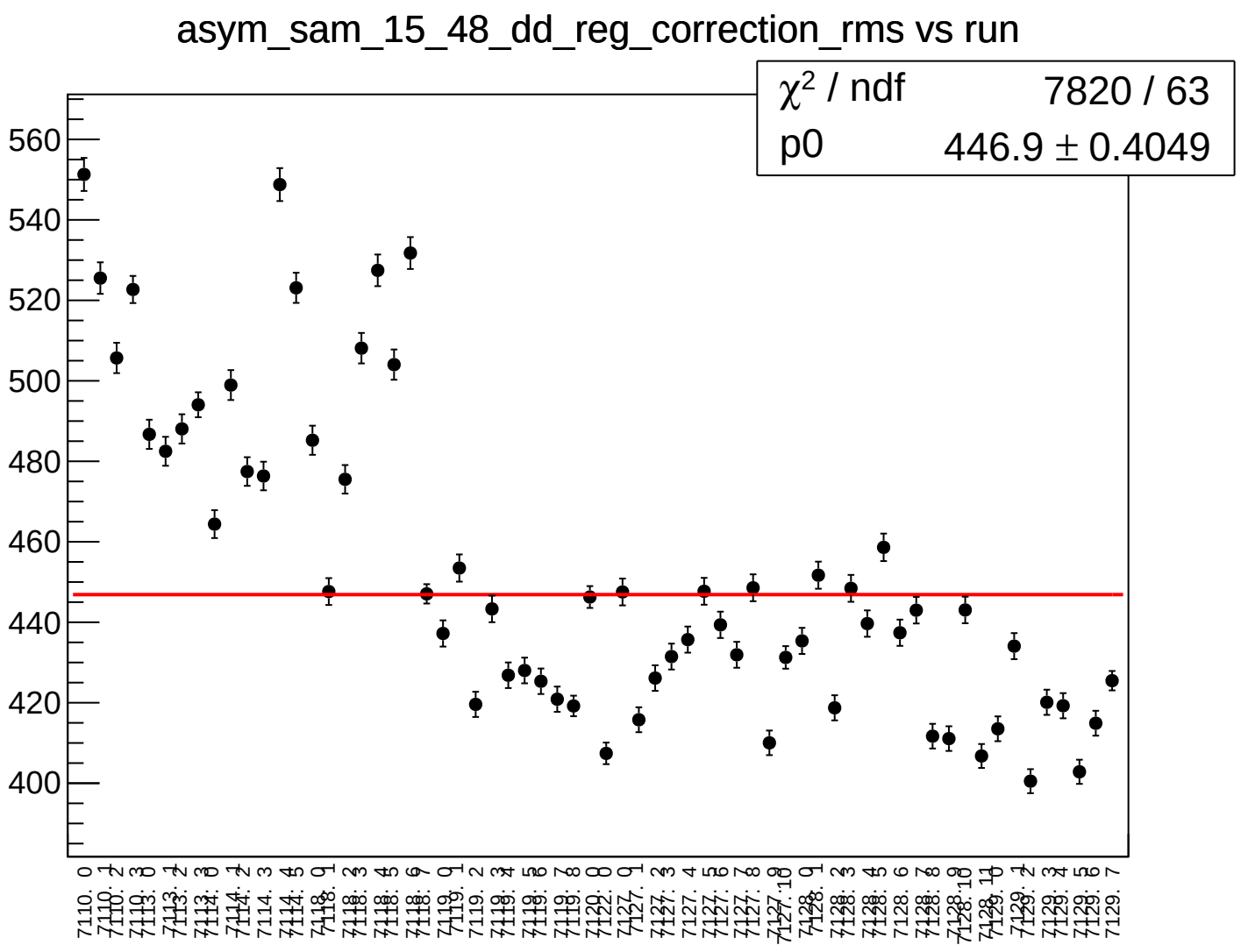

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.496e+05 / 63
p0 4.807e−12 ± 6.331e−15
60
50
40
30
20
10

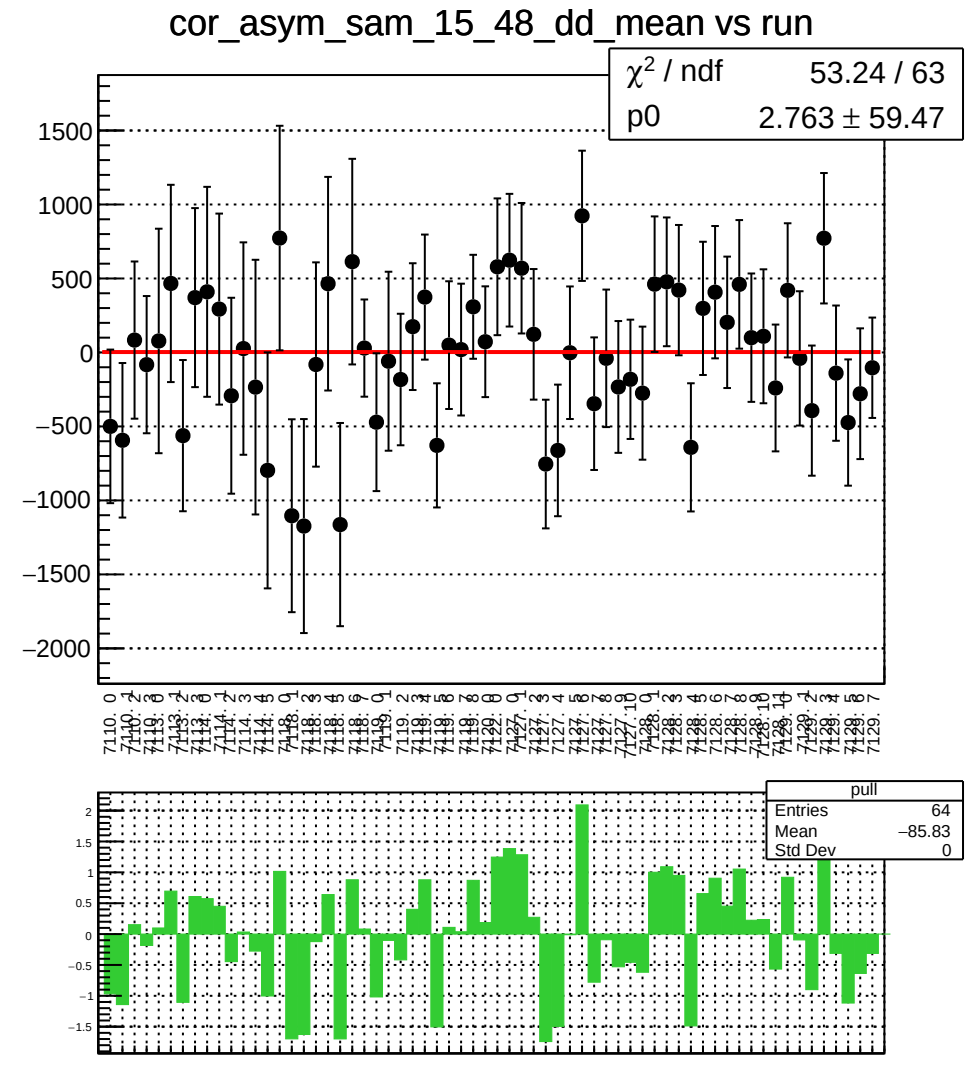

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.24 / 63
p0 2.765 ± 59.47
pull
Entries 64
Mean −85.86
Std Dev 0
pull1D
Entries 64
Mean −0.01934
Std Dev 0.9118

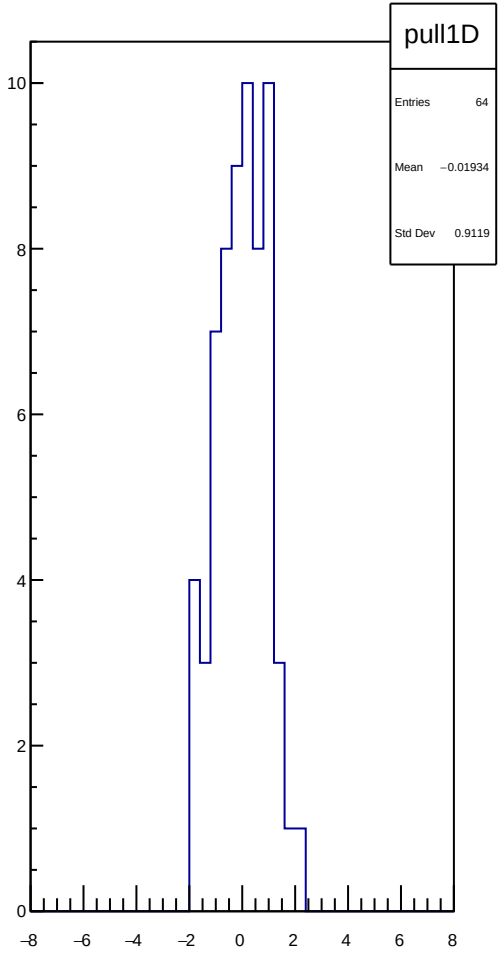

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.02e+04 / 63
p0 45.8 ± 0.04205
80
70
60
50
40

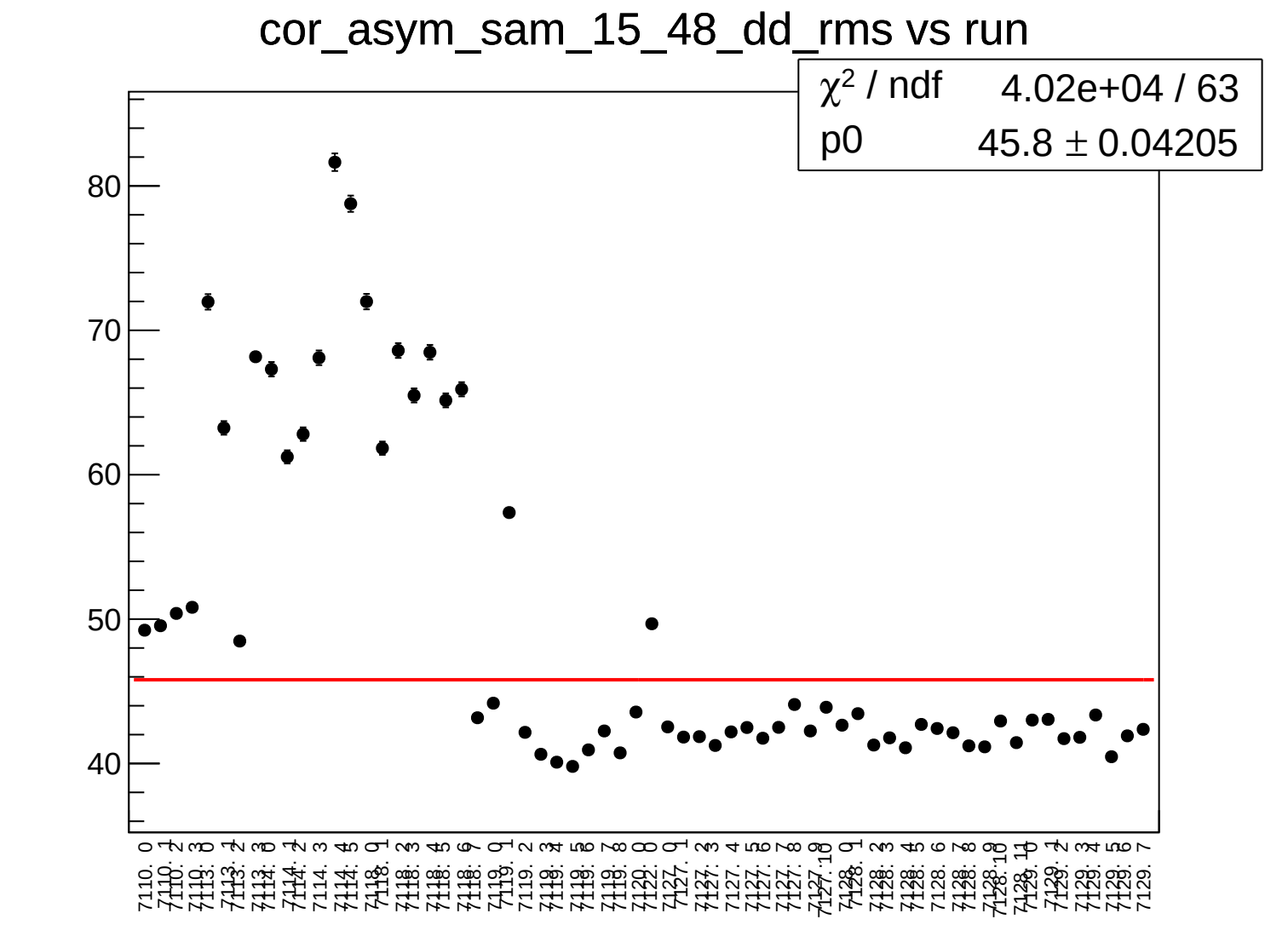

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 64.58 / 63
p0 1269 ± 572.5
pull
Entries 64
Mean −195.5
Std Dev 0

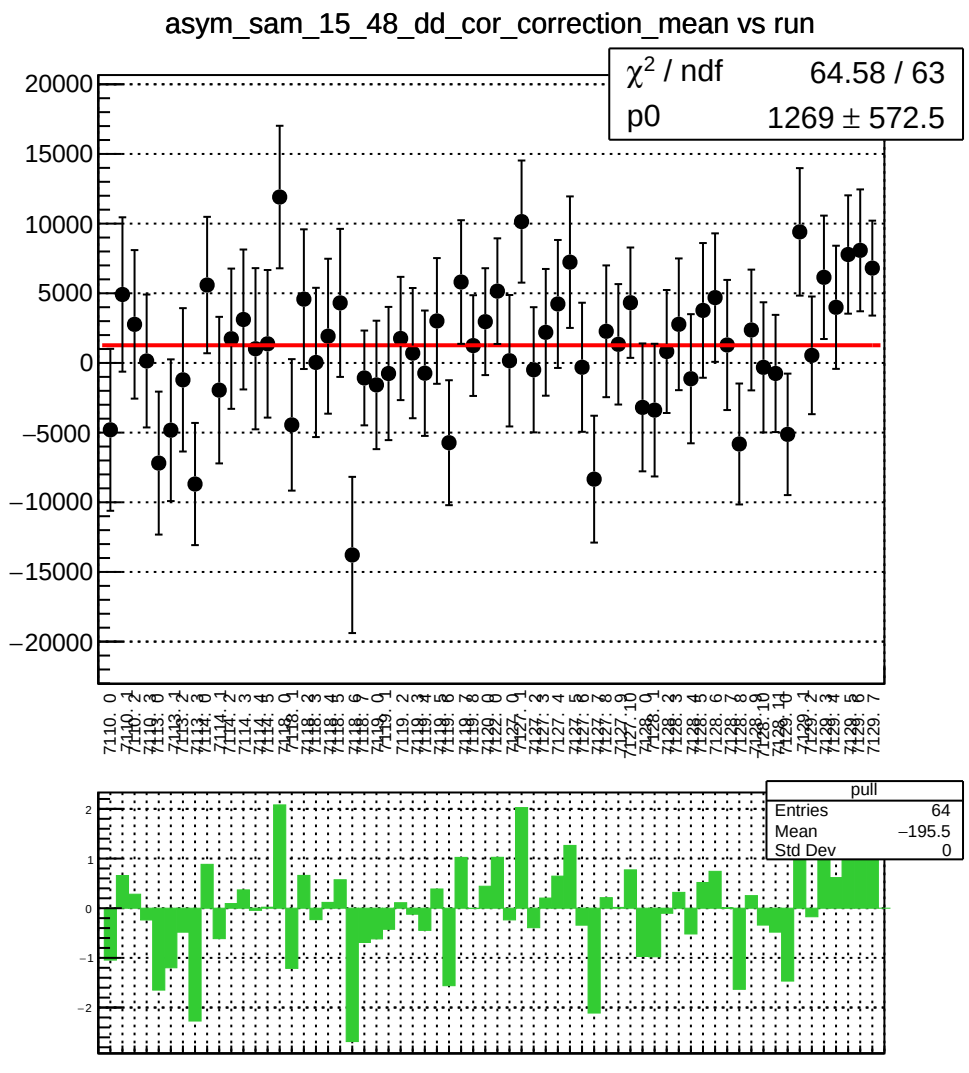

pull1D
Entries 64
Mean −0.02118
Std Dev 1.004

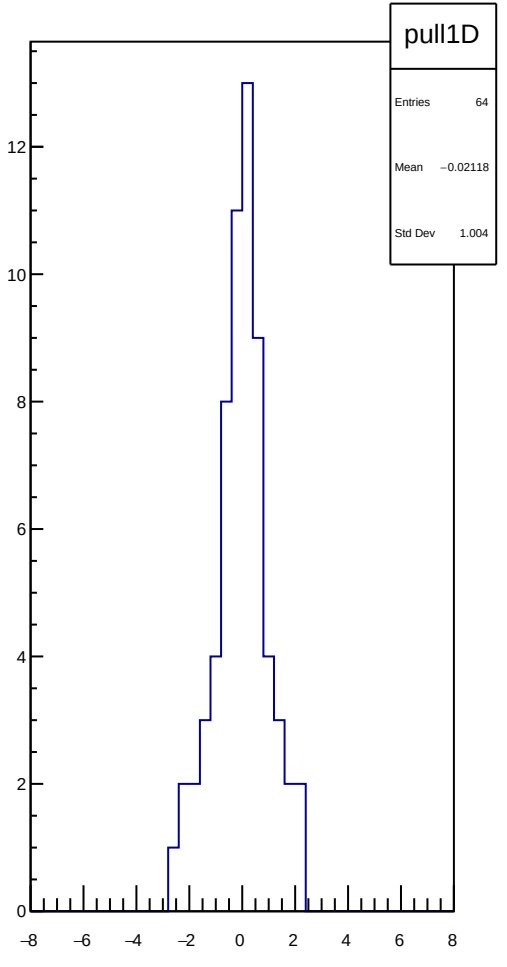

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 7820 / 63
p0 446.9 ± 0.4049
560
540
520
500
480
460
440
420
400

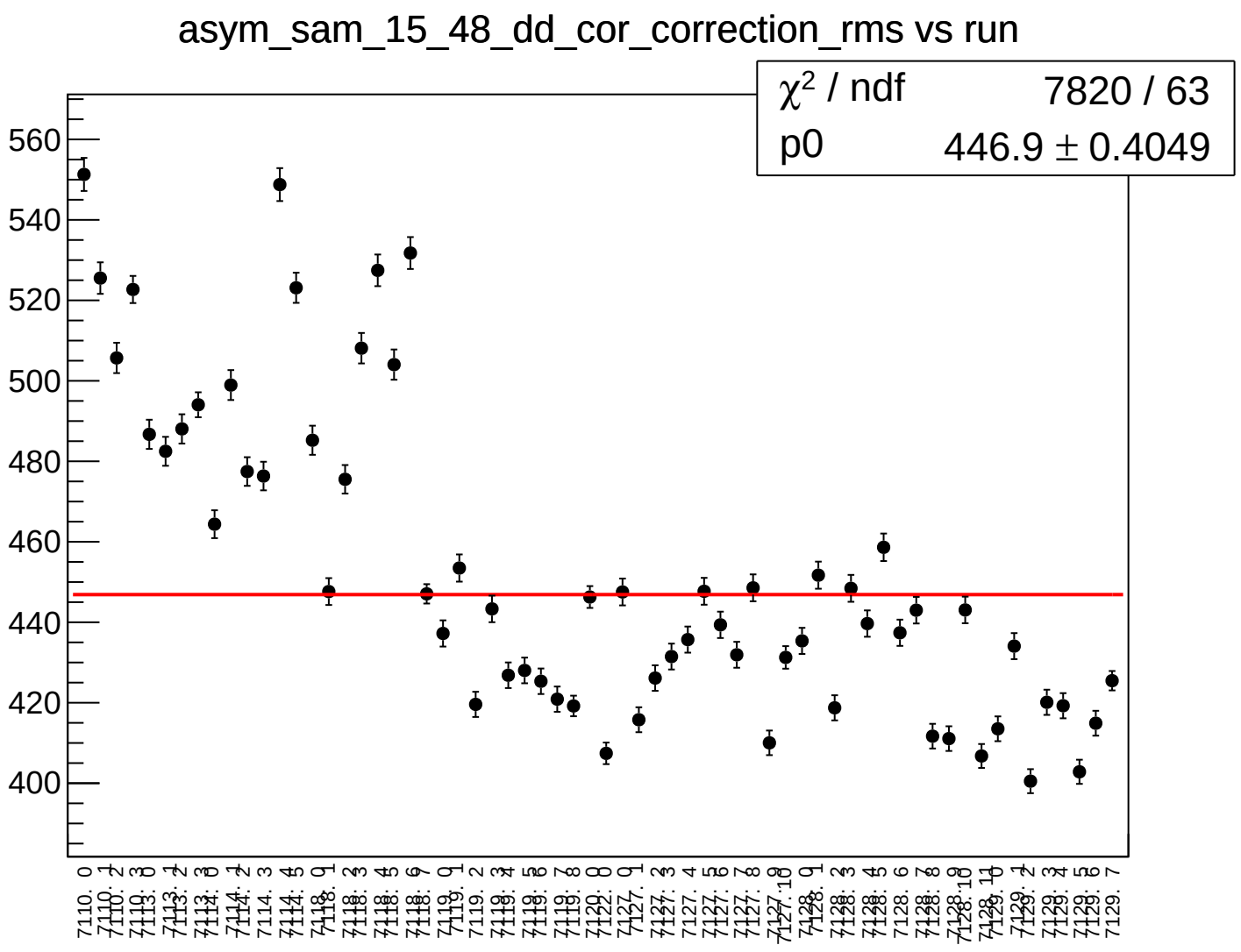

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.24 / 63
p0 2.763 ± 59.47
pull
Entries 64
Mean −85.83
Std Dev 0

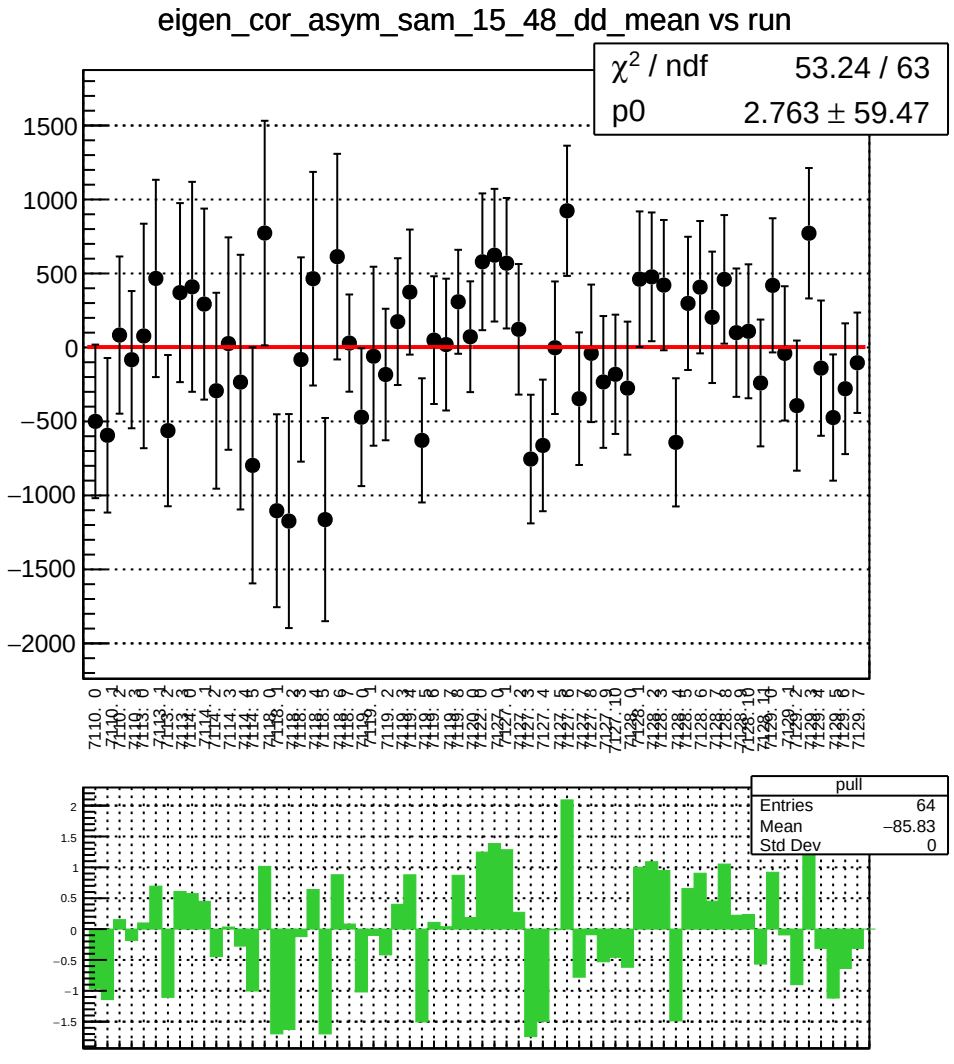

pull1D
Entries 64
Mean −0.01934
Std Dev 0.9119

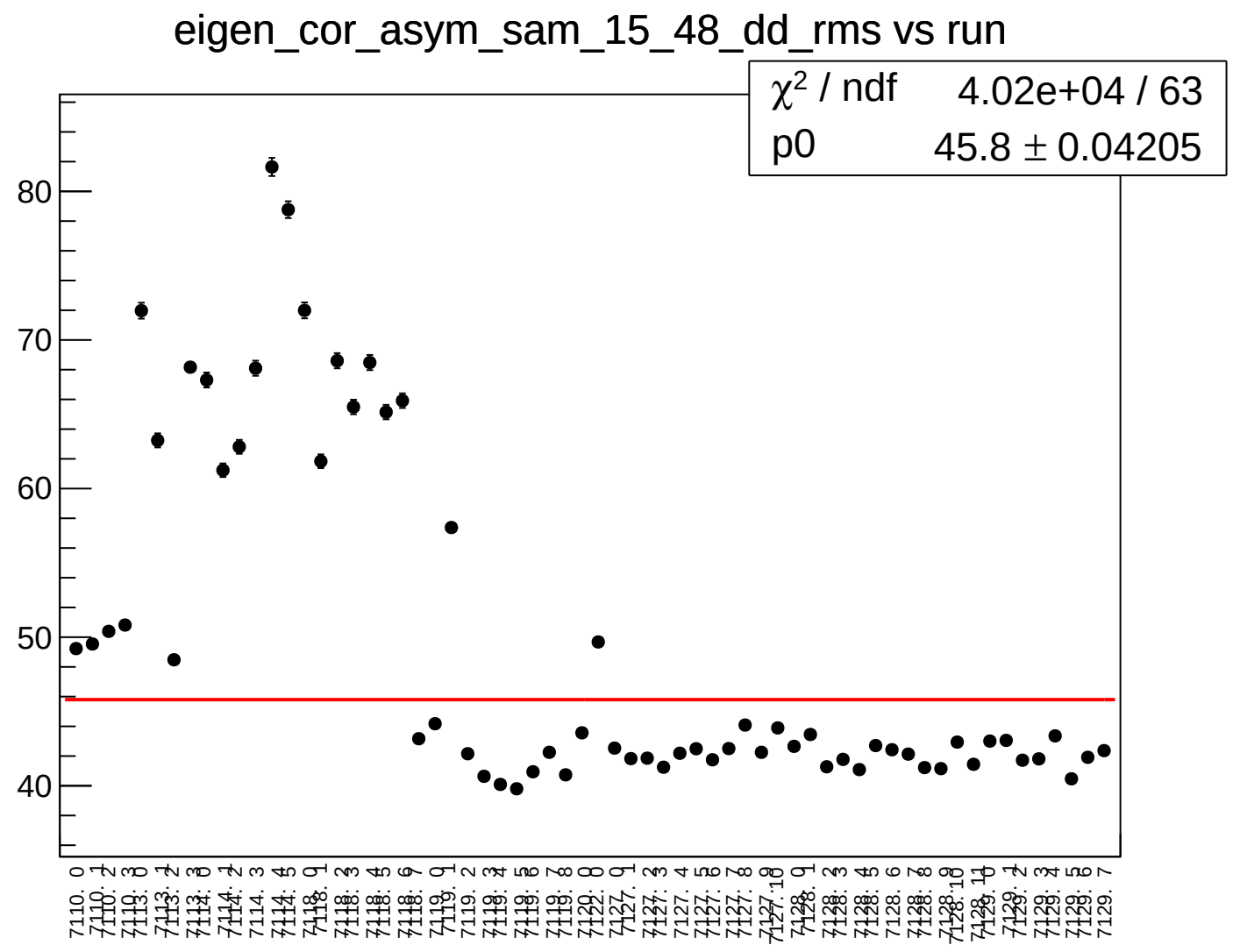

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.02e+04 / 63
p0 45.8 ± 0.04205
80
70
60
50
40

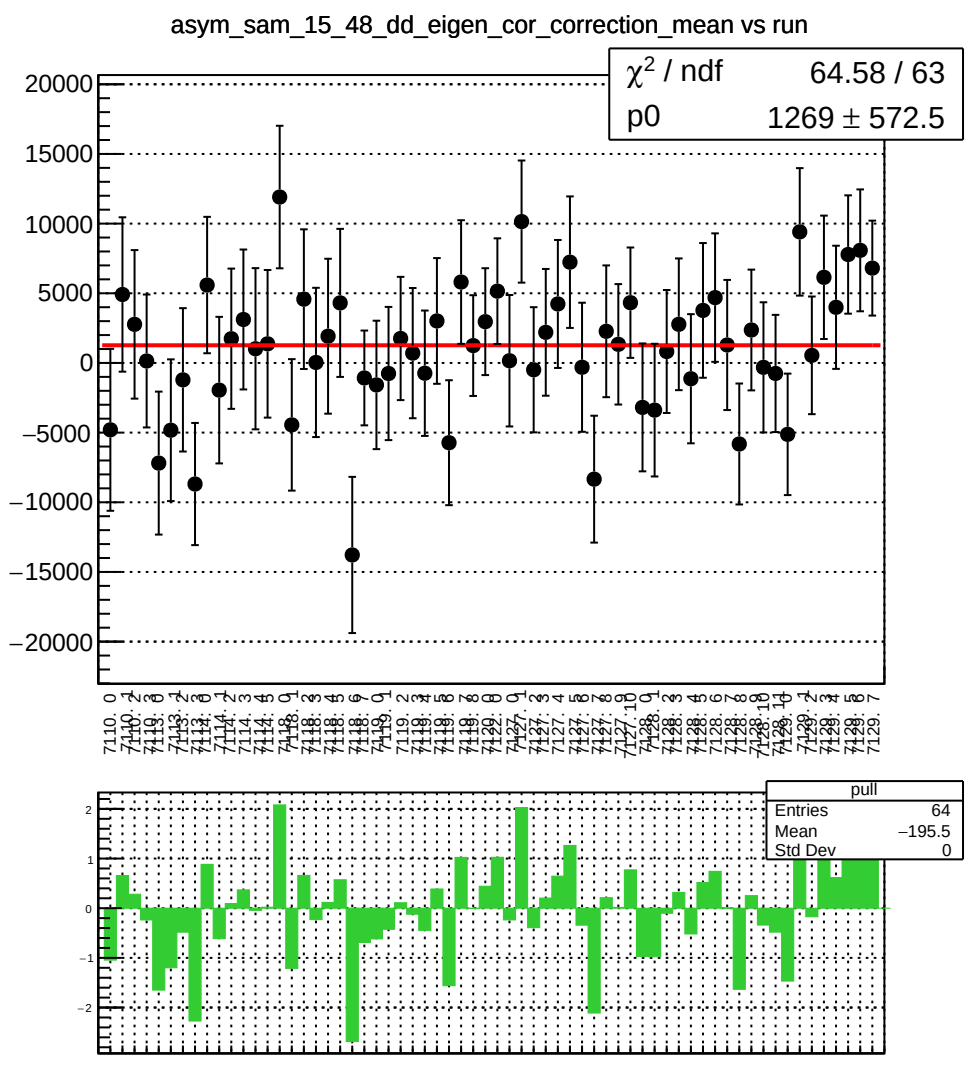

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 64.58 / 63
p0 1269 ± 572.5
pull
Entries 64
Mean −195.5
Std Dev 0

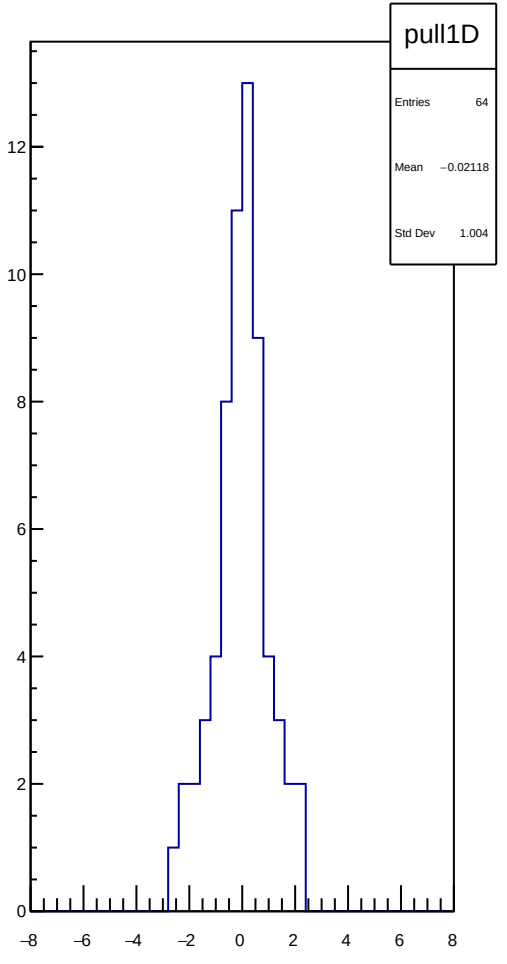

pull1D
Entries 64
Mean −0.02118
Std Dev 1.004

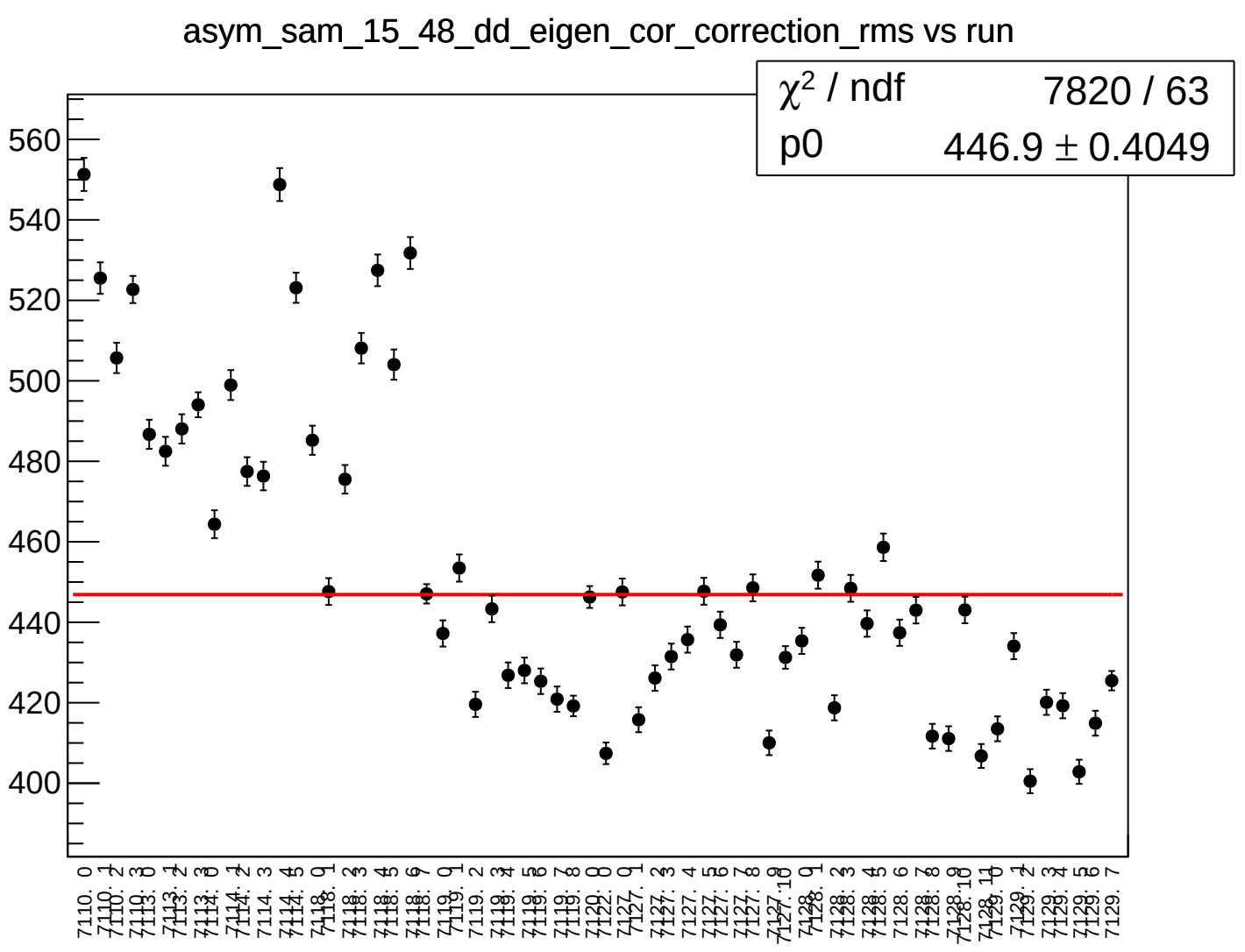

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 7820 / 63
p0 446.9 ± 0.4049
560
540
520
500
480
460
440
420
400

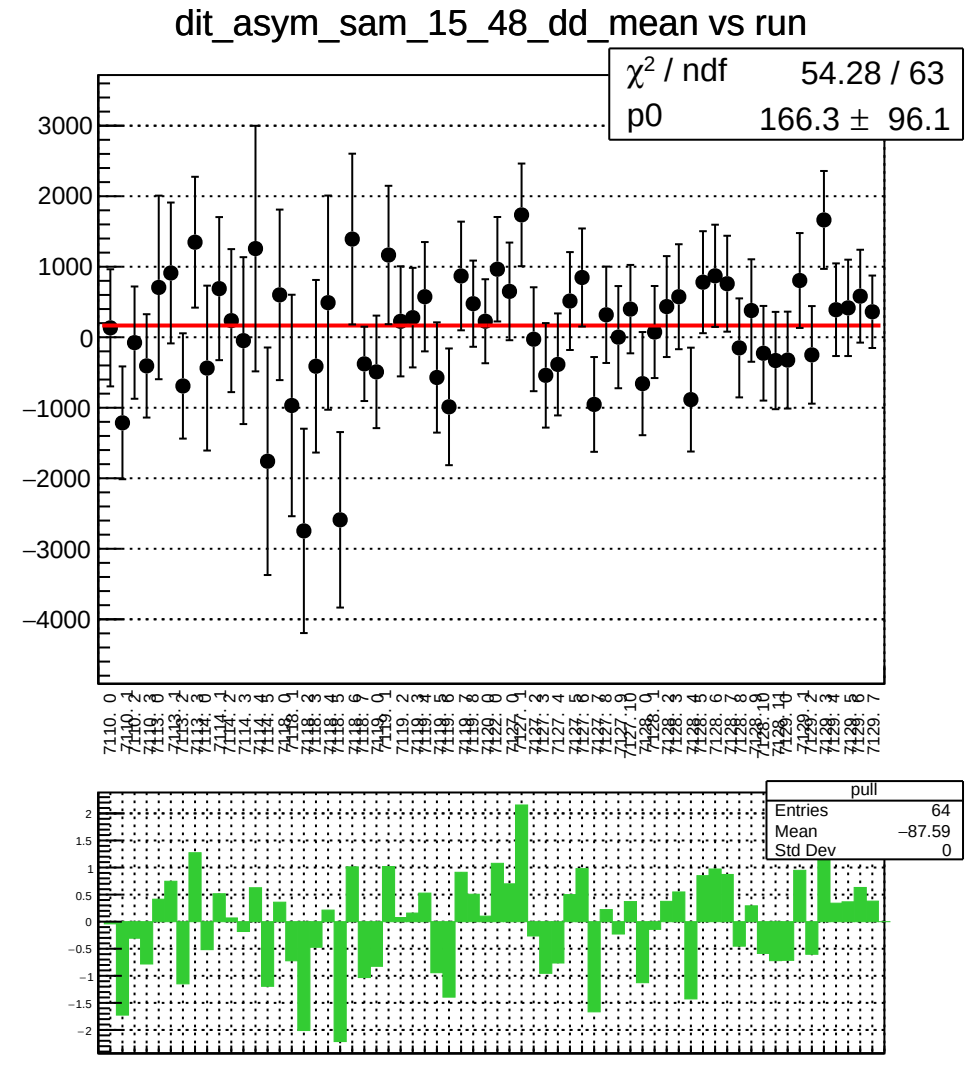

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.24 / 63
p0 2.763 ± 59.47
pull
Entries 64
Mean −85.83
Std Dev 0
pull1D
Entries 64
Mean −0.01934
Std Dev 0.9119

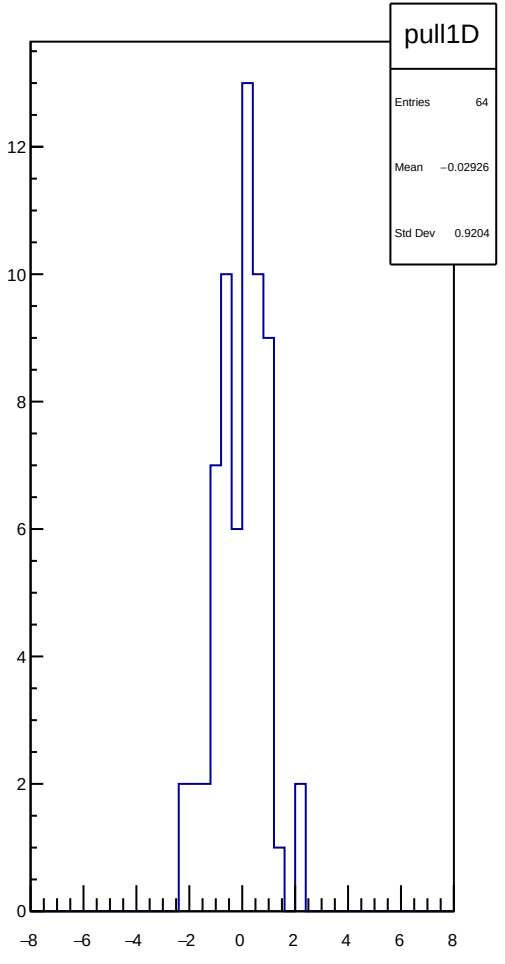

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.02e+04 / 63
p0 45.8 ± 0.04205
80
70
60
50
40

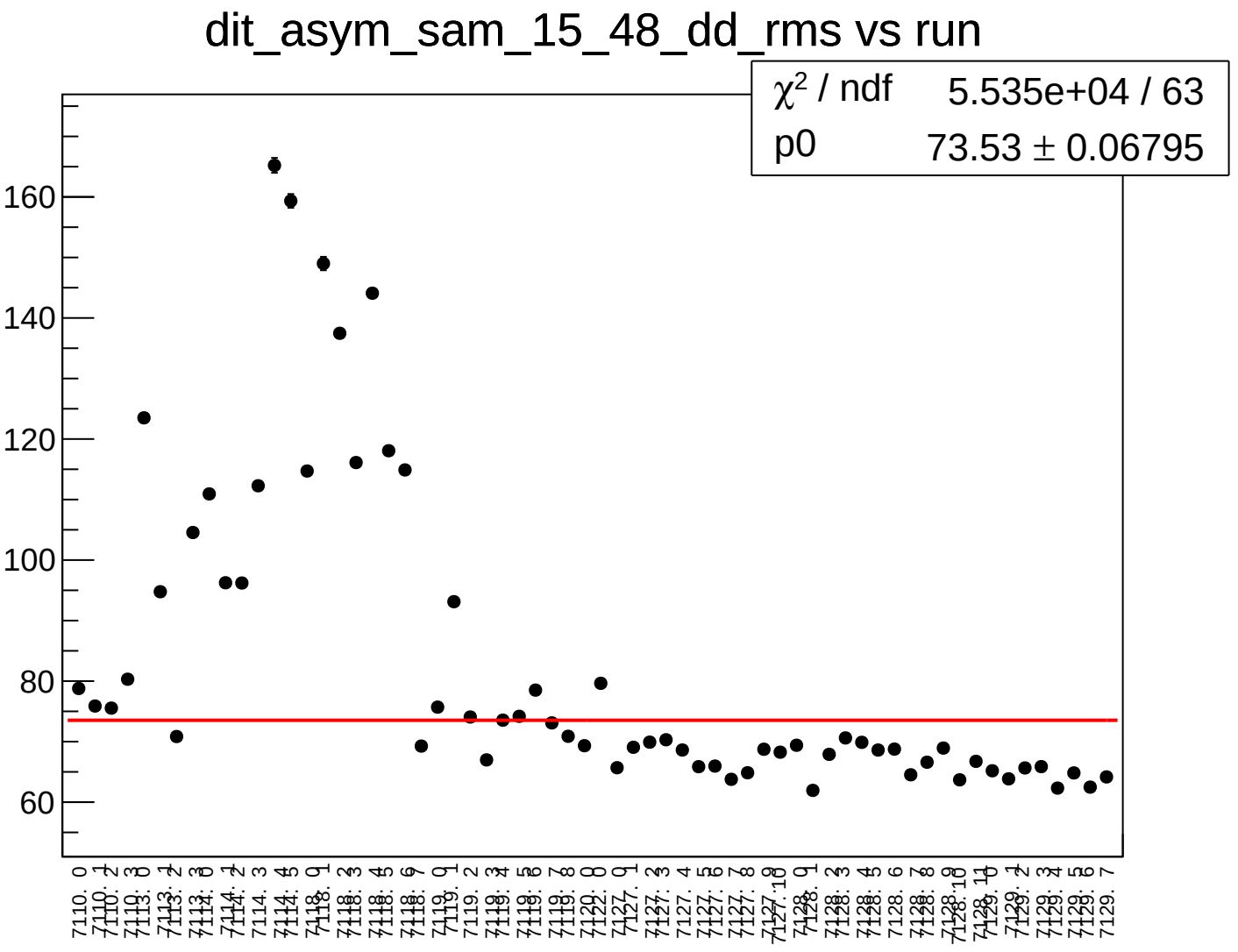

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.58 / 63
p0 1269 ± 572.5
pull
Entries 64
Mean −195.5
Std Dev 0

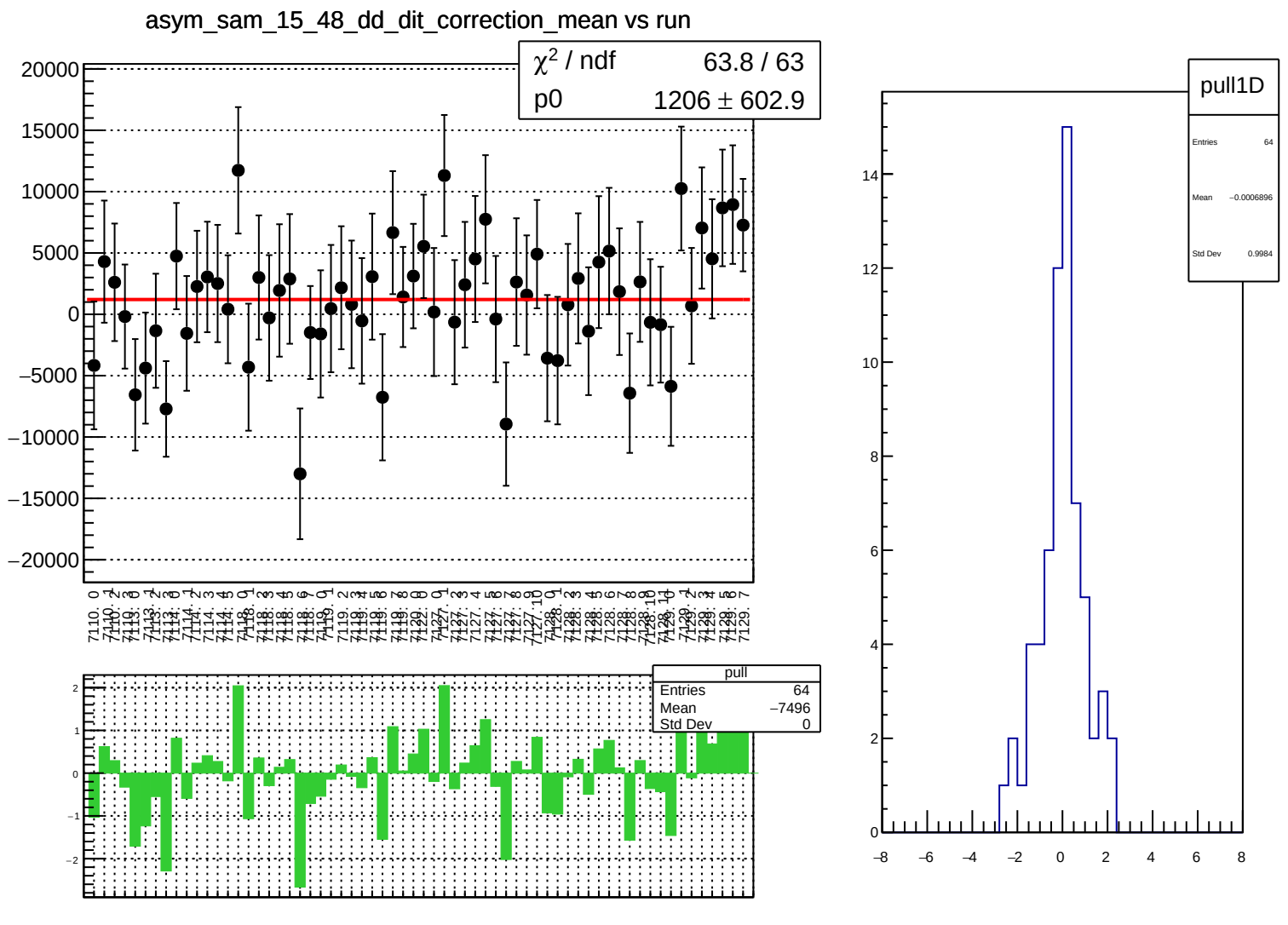

pull1D
Entries 64
Mean −0.02118
Std Dev 1.004

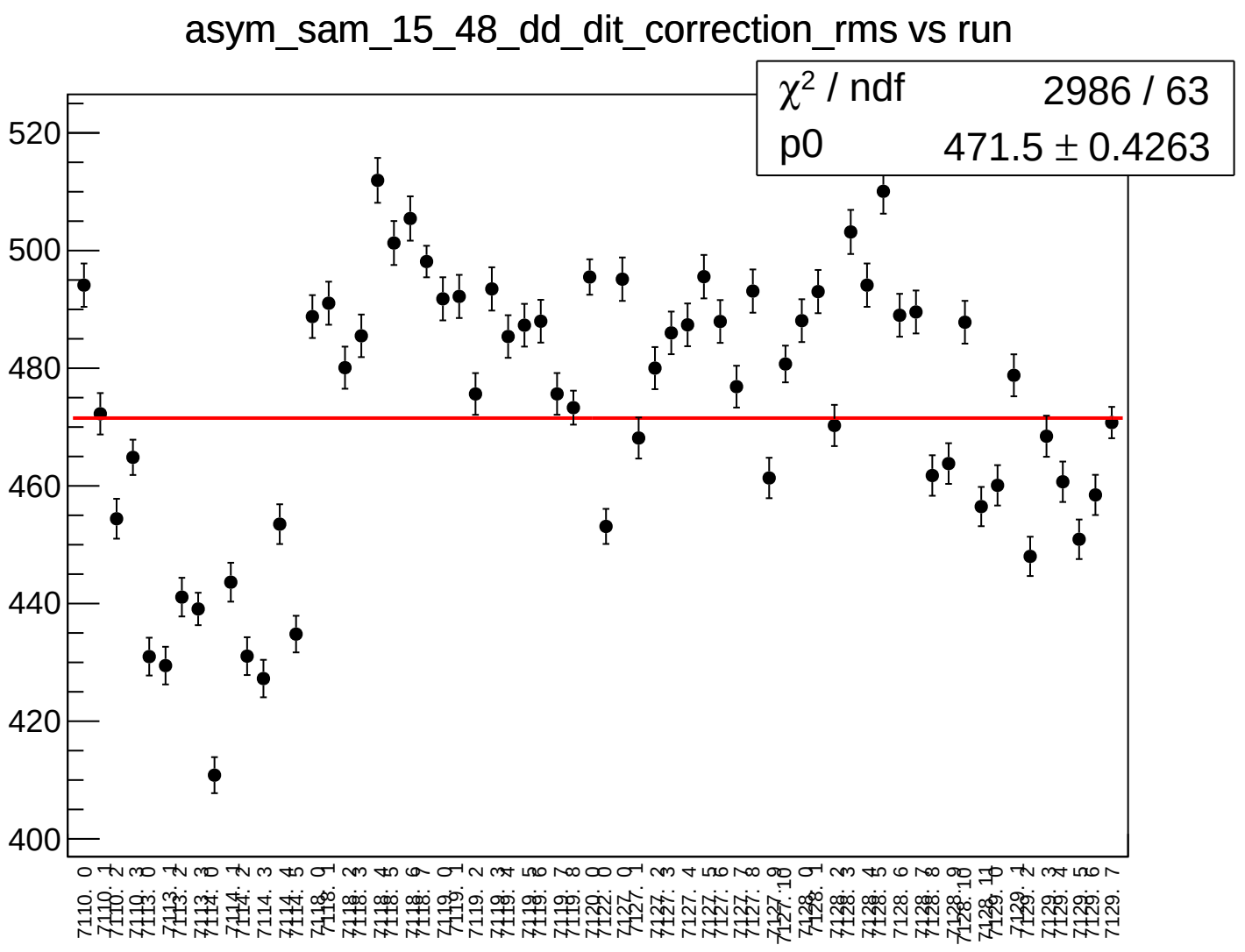

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 7820 / 63
p0 446.9 ± 0.4049
560
540
520
500
480
460
440
420
400

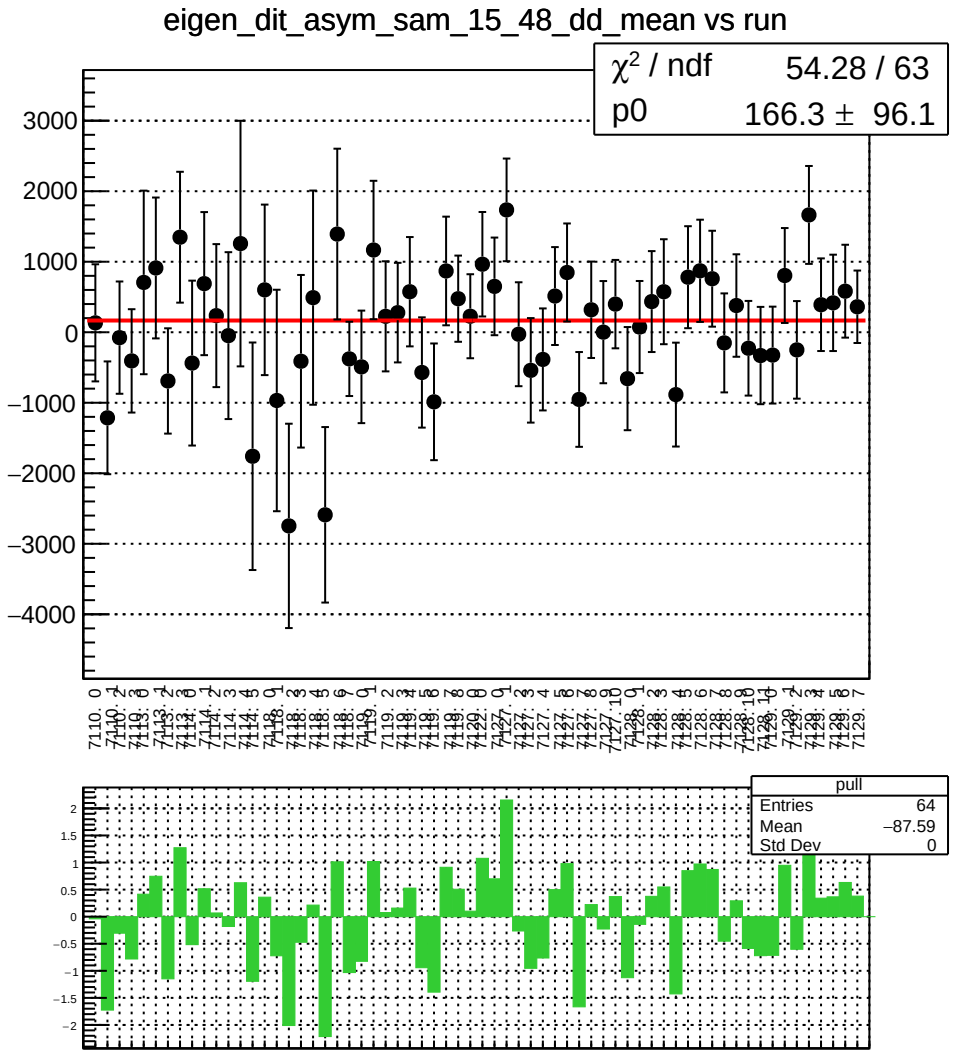

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 54.28 / 63
p0 166.3 ± 96.1
pull
Entries 64
Mean −87.59
Std Dev 0

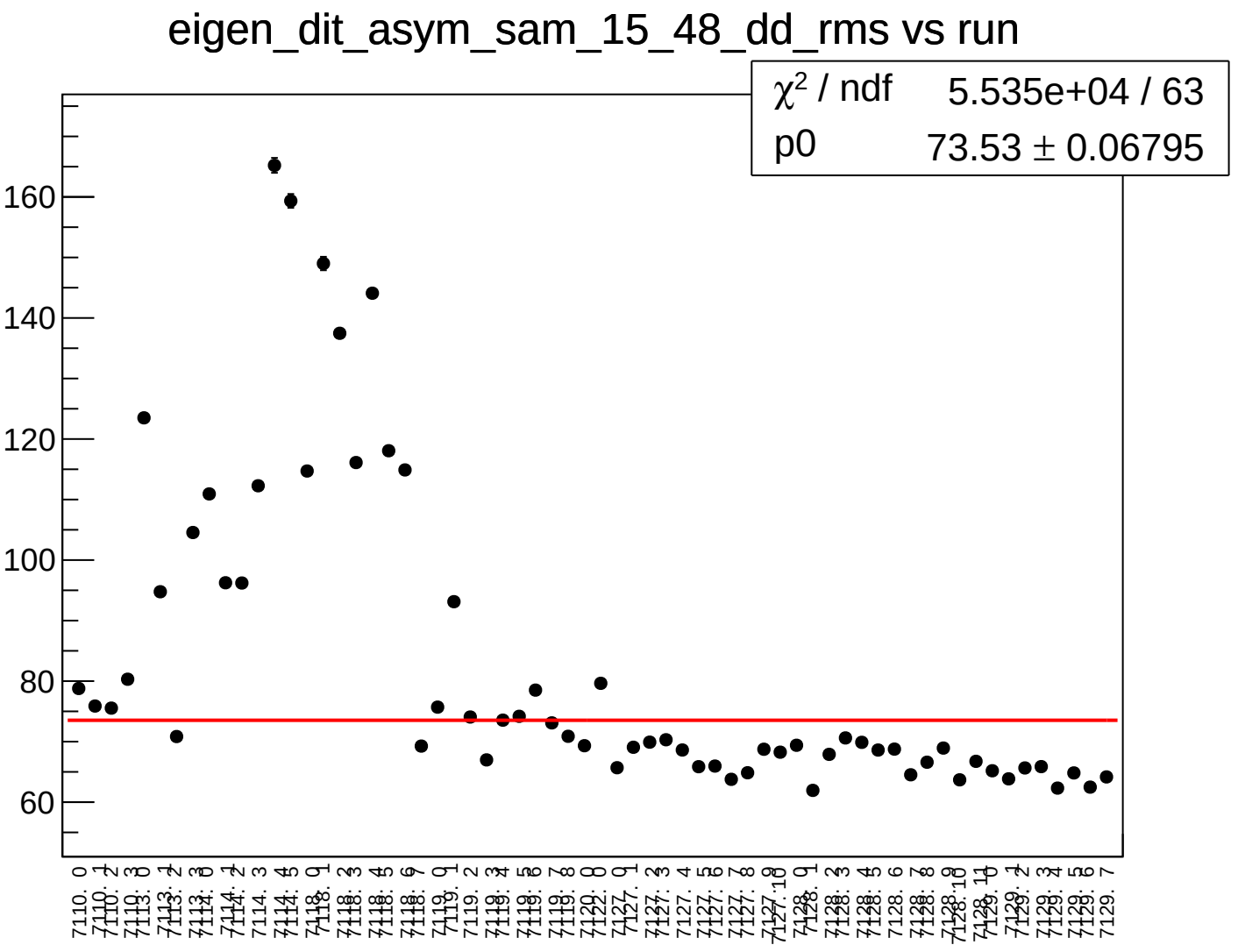

pull1D
Entries 64
Mean −0.02926
Std Dev 0.9204

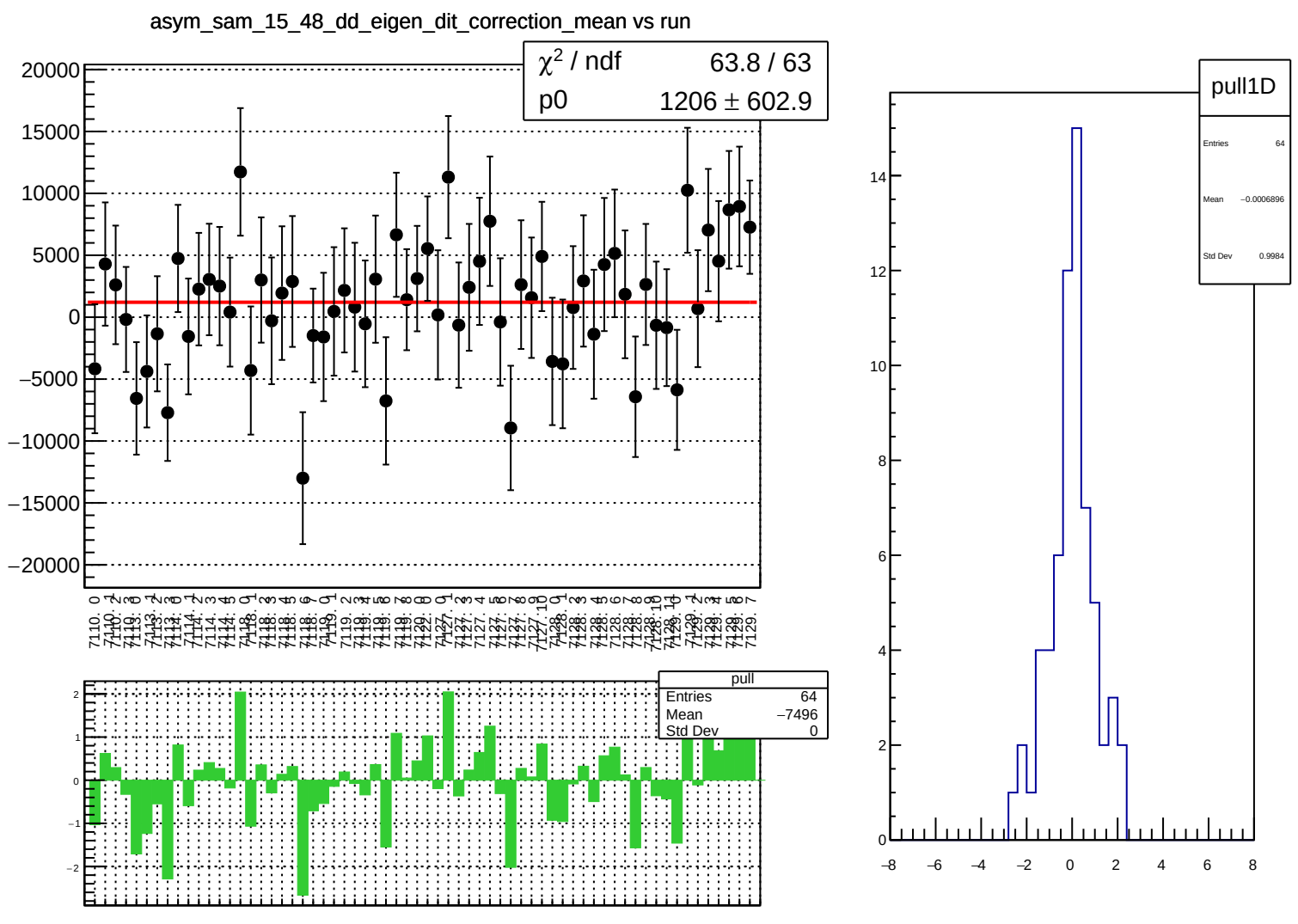

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 5.535e+04 / 63
p0 73.53 ± 0.06795
160
140
120
100
80
60

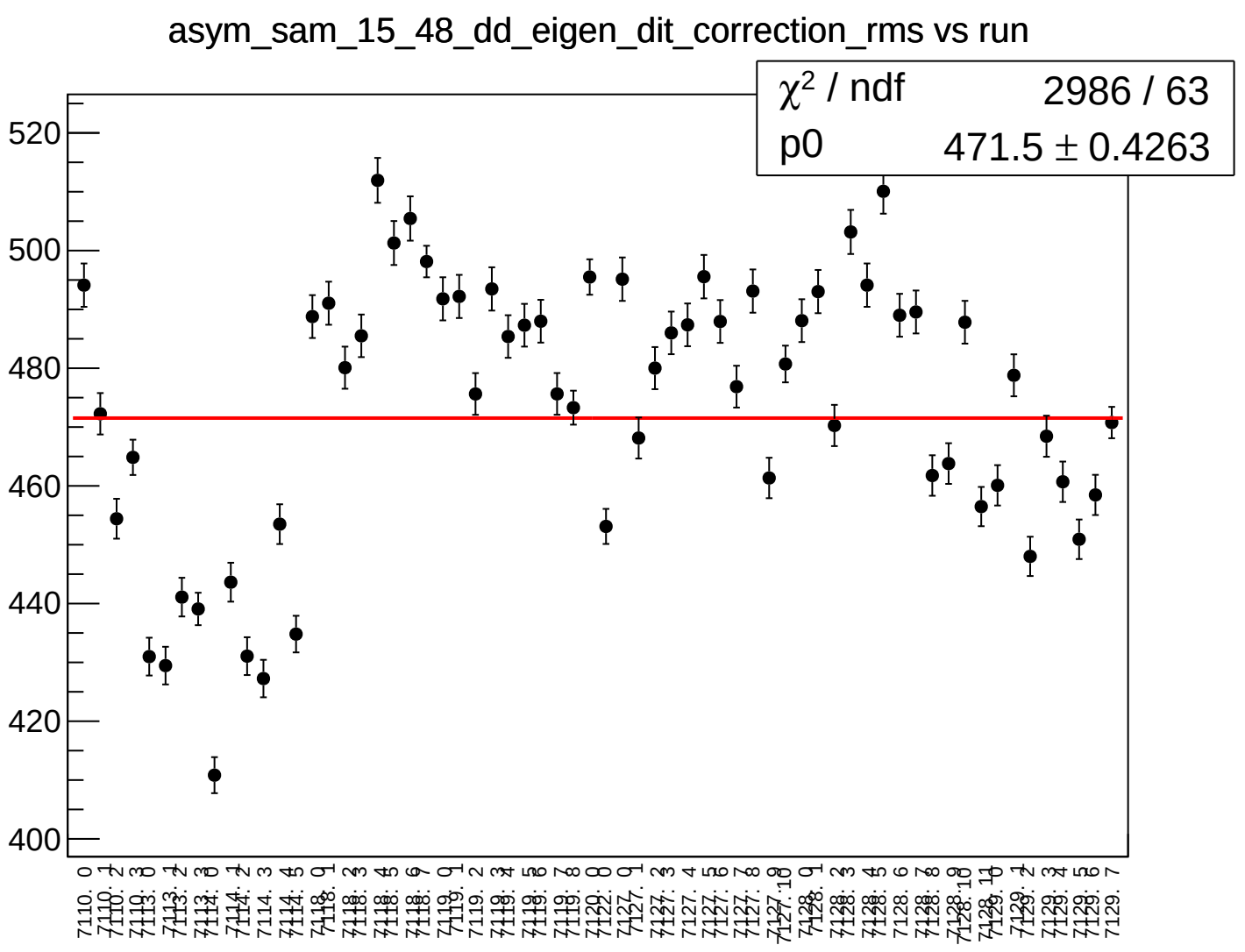

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 63.8 / 63
p0 1206 ± 602.9
pull
Entries 64
Mean −7496
Std Dev 0
pull1D
Entries 64
Mean −0.0006896
Std Dev 0.9984

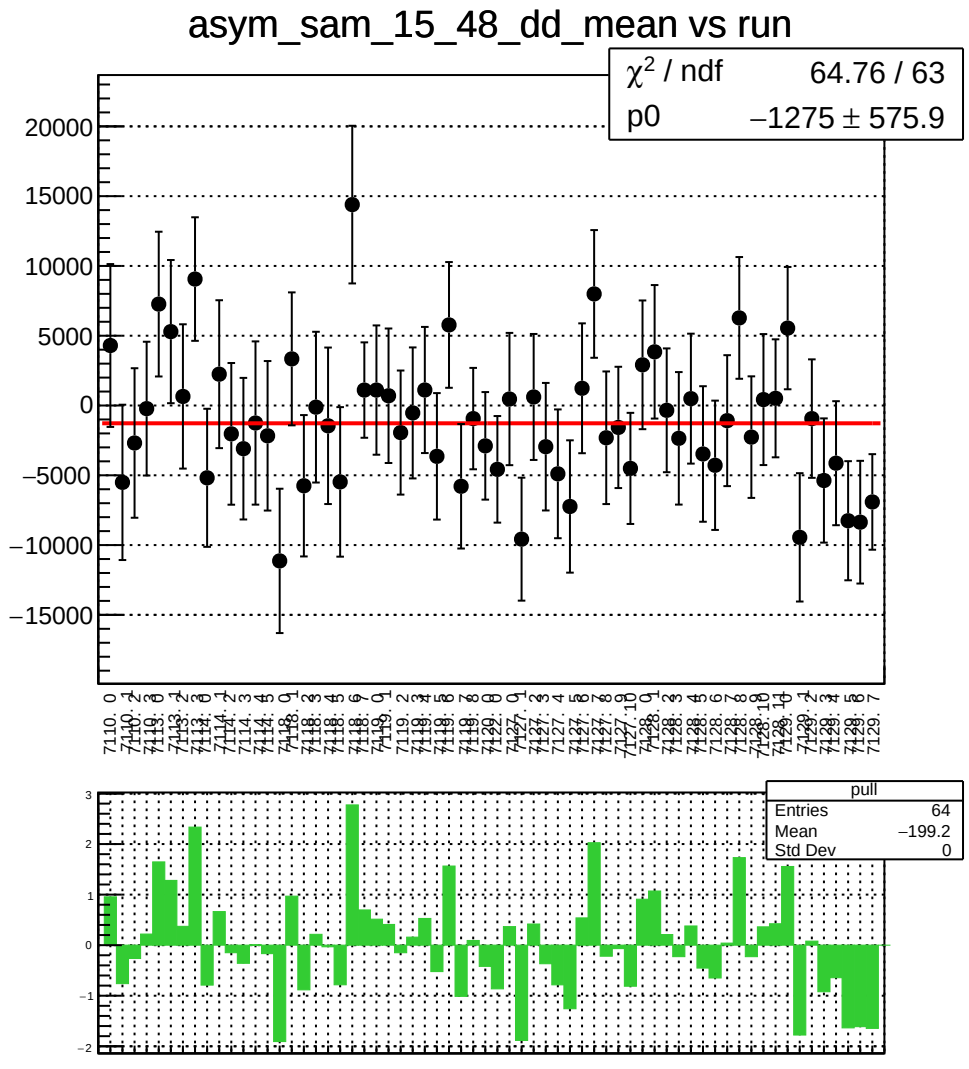

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2986 / 63
p0 471.5 ± 0.4263
520
500
480
460
440
420
400

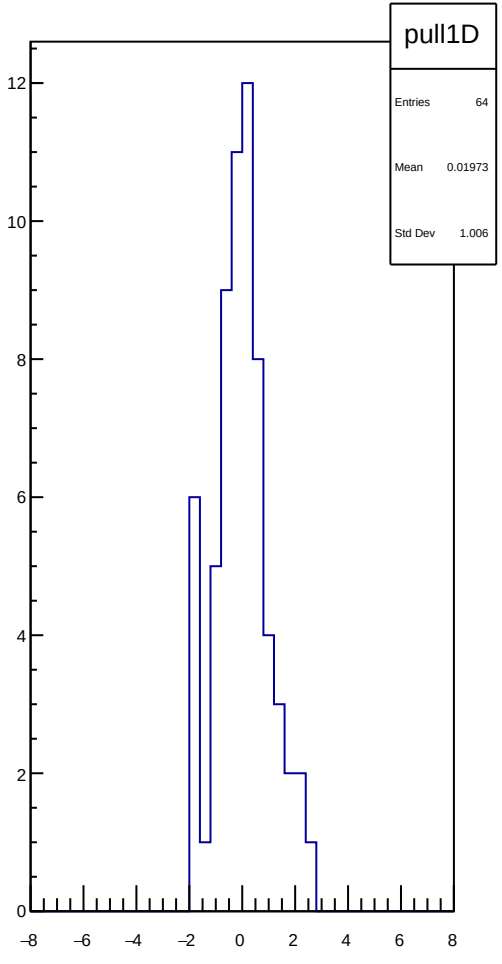

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 54.28 / 63
p0 166.3 ± 96.1
pull
Entries 64
Mean −87.59
Std Dev 0
pull1D
Entries 64
Mean −0.02926
Std Dev 0.9204

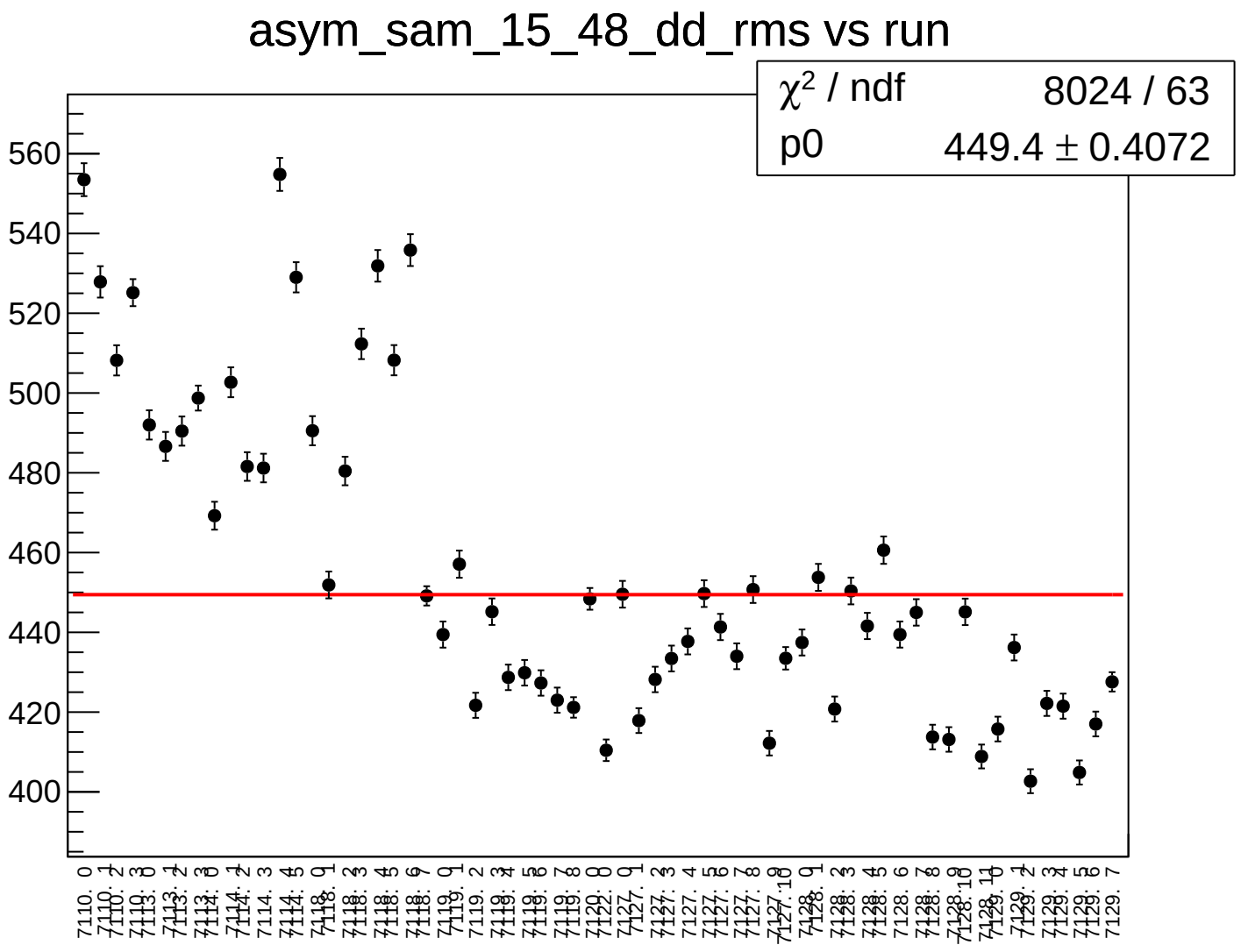

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 5.535e+04 / 63
p0 73.53 ± 0.06795
160
140
120
100
80
60

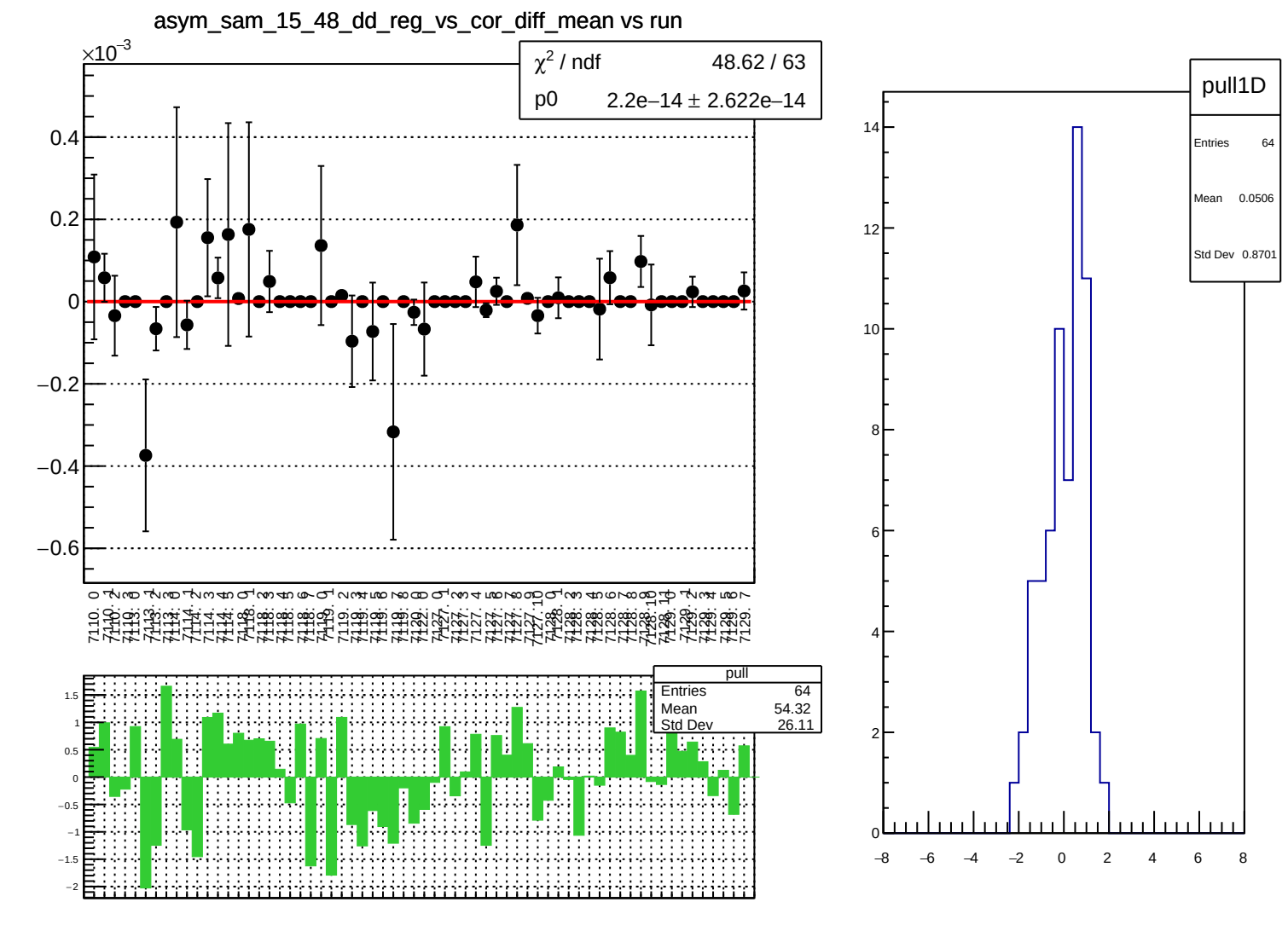

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.8 / 63
p0 1206 ± 602.9
pull
Entries 64
Mean −7496
Std Dev 0
pull1D
Entries 64
Mean −0.0006896
Std Dev 0.9984

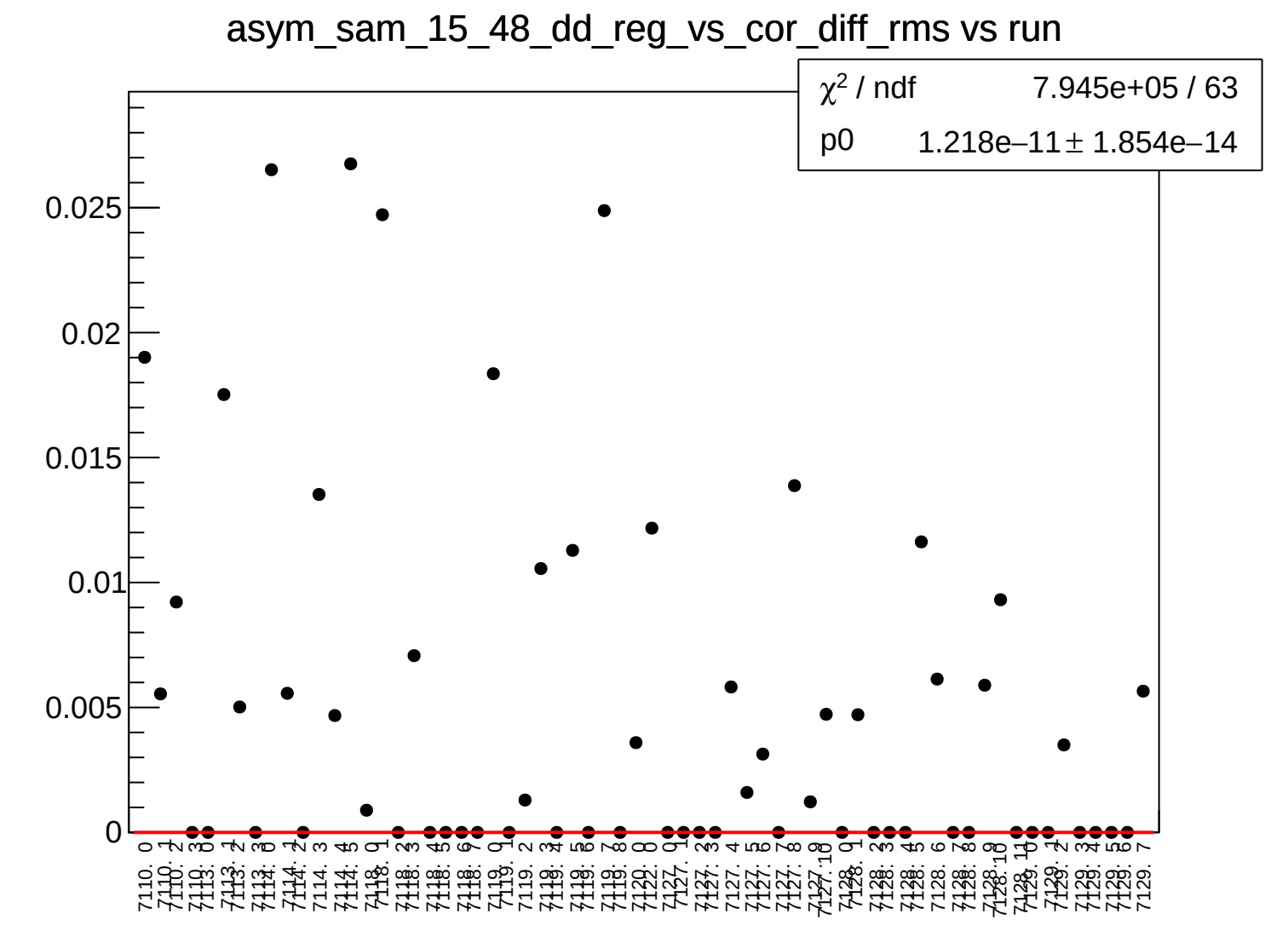

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2986 / 63
p0 471.5 ± 0.4263
520
500
480
460
440
420
400

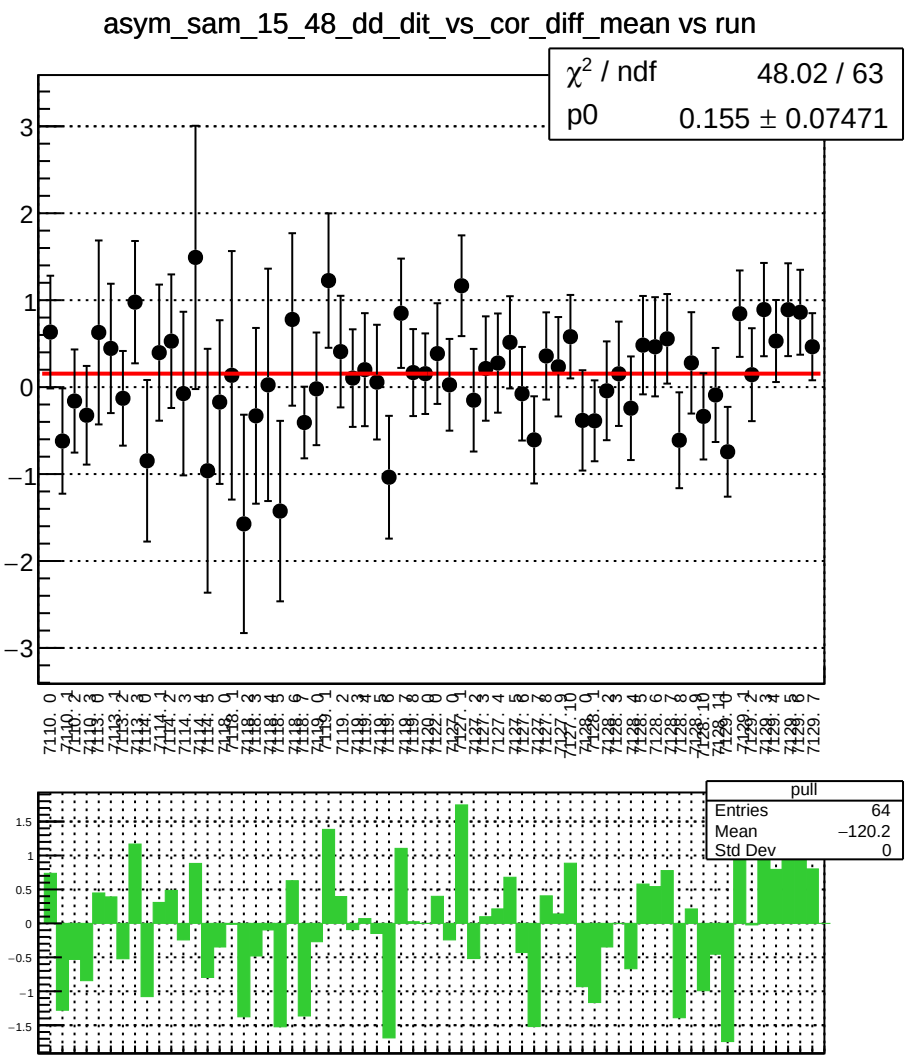

asym_sam_15_48_dd_mean vs run
χ² / ndf 64.76 / 63
p0 −1275 ± 575.9
pull
Entries 64
Mean −199.2
Std Dev 0

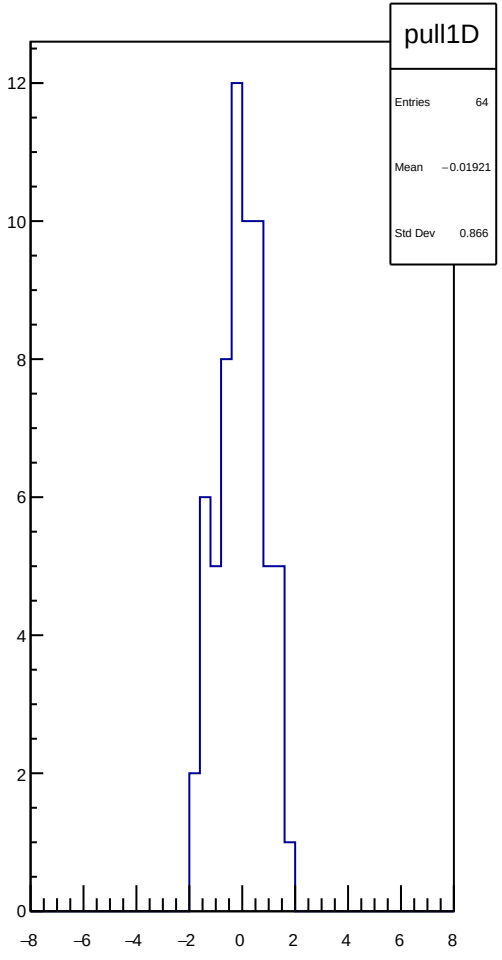

pull1D
Entries 64
Mean 0.01973
Std Dev 1.006

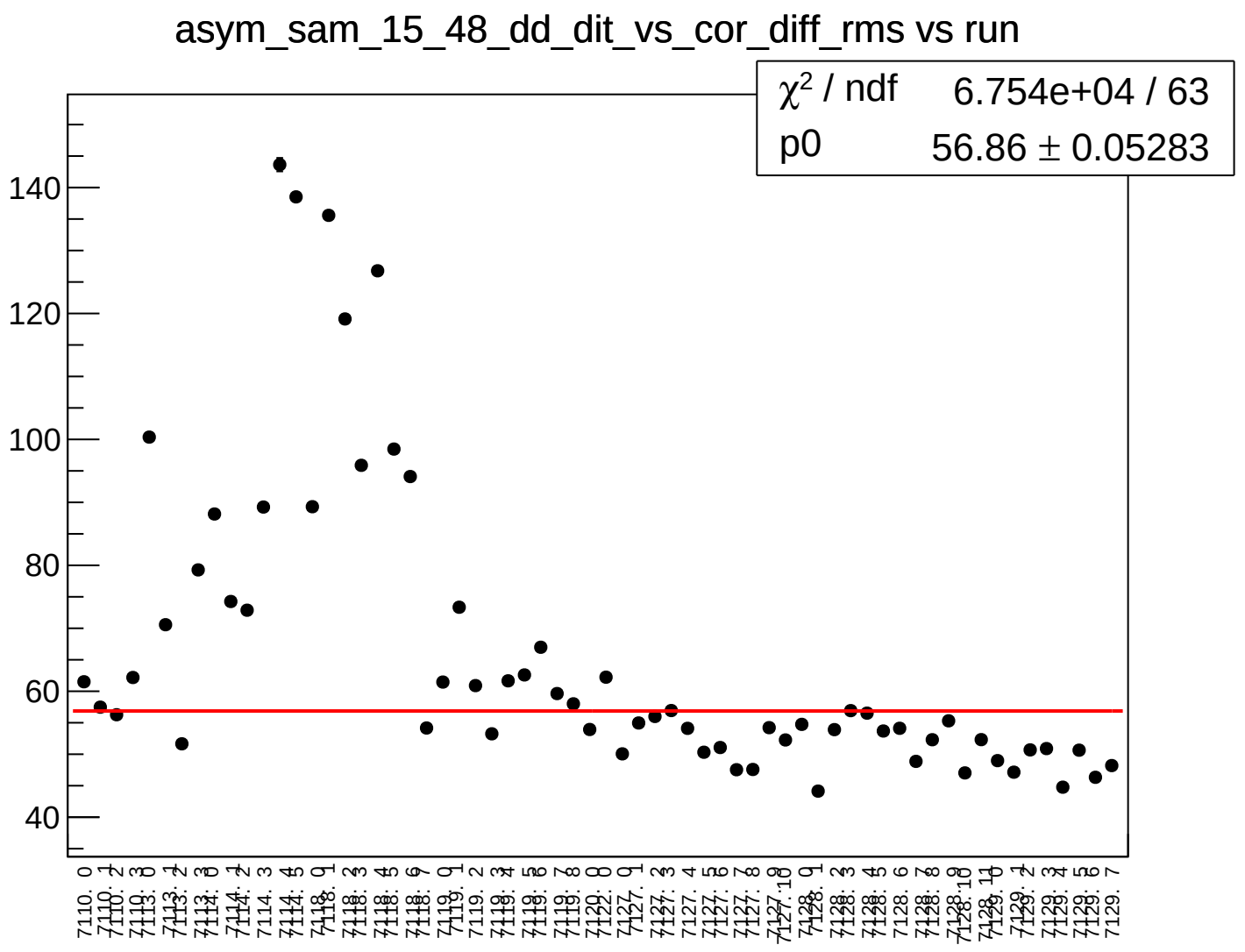

asym_sam_15_48_dd_rms vs run
χ² / ndf 8024 / 63
p0 449.4 ± 0.4072
560
540
520
500
480
460
440
420
400
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

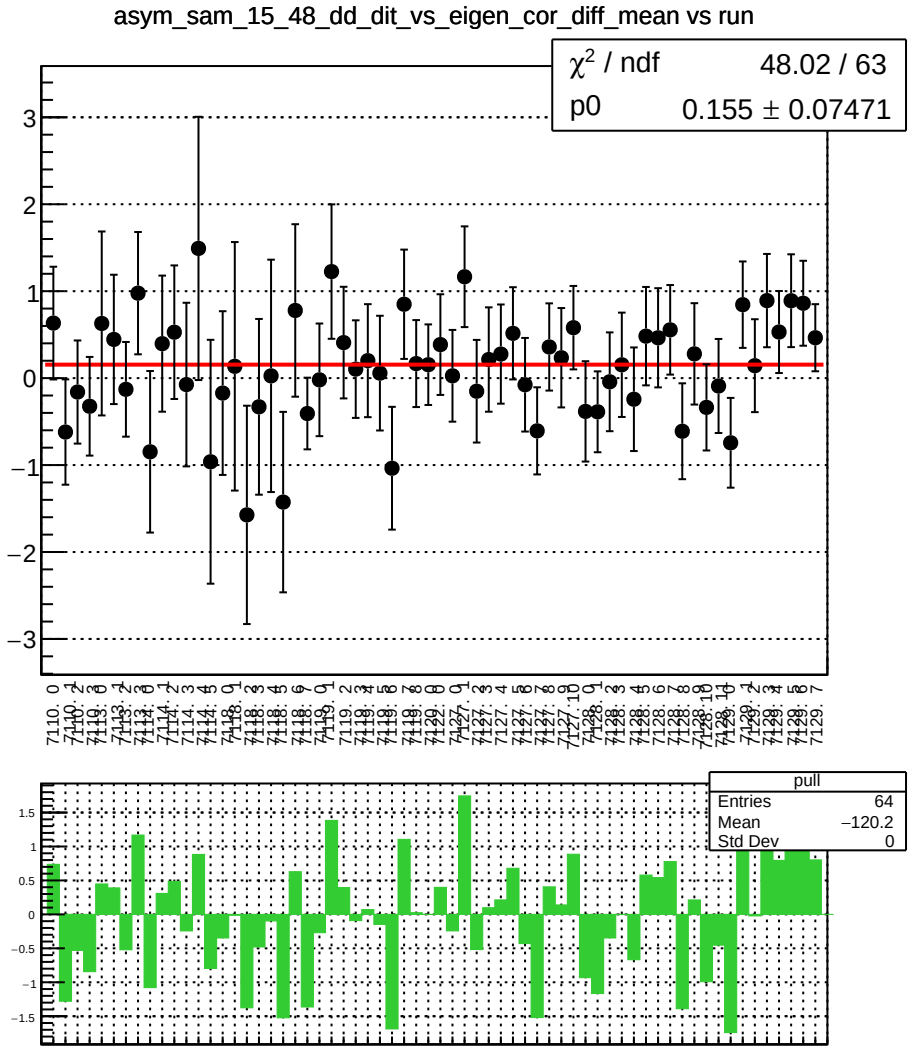

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 48.62 / 63
p0 2.2e−14 ± 2.622e−14
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 64
Mean 54.32
Std Dev 26.11
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean 0.0506
Std Dev 0.8701
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

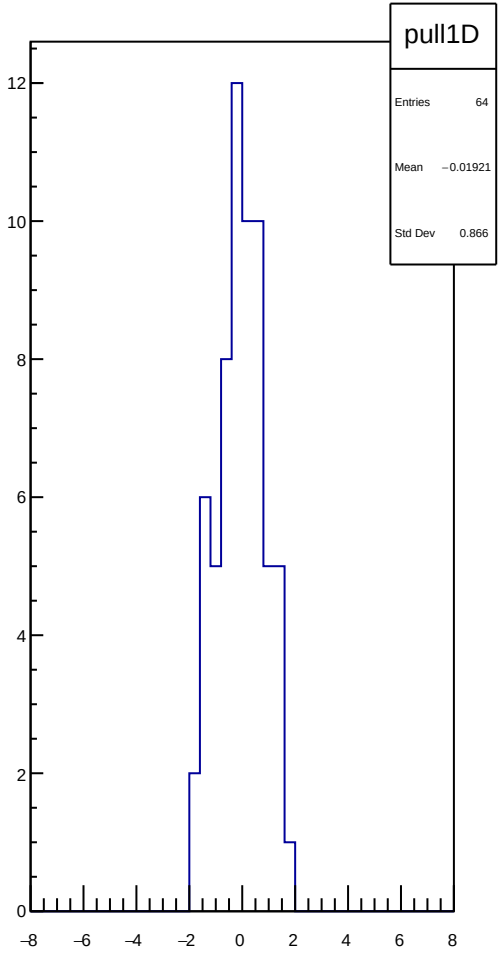

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.945e+05 / 63
p0 1.218e−11 ± 1.854e−14
0.025
0.02
0.015
0.01
0.005
0

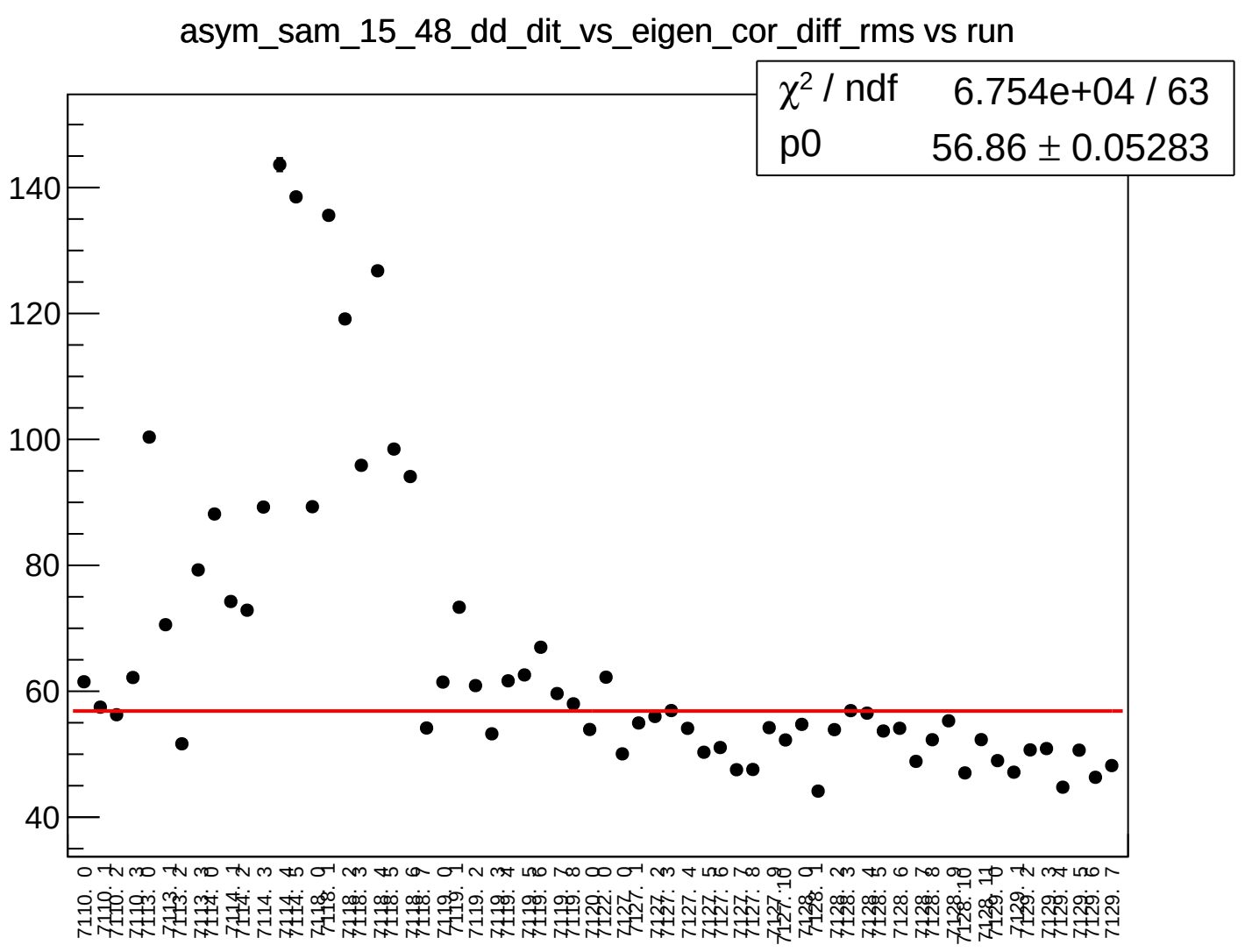

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.02 / 63
p0 0.155 ± 0.07471
pull
Entries 64
Mean −120.2
Std Dev 0

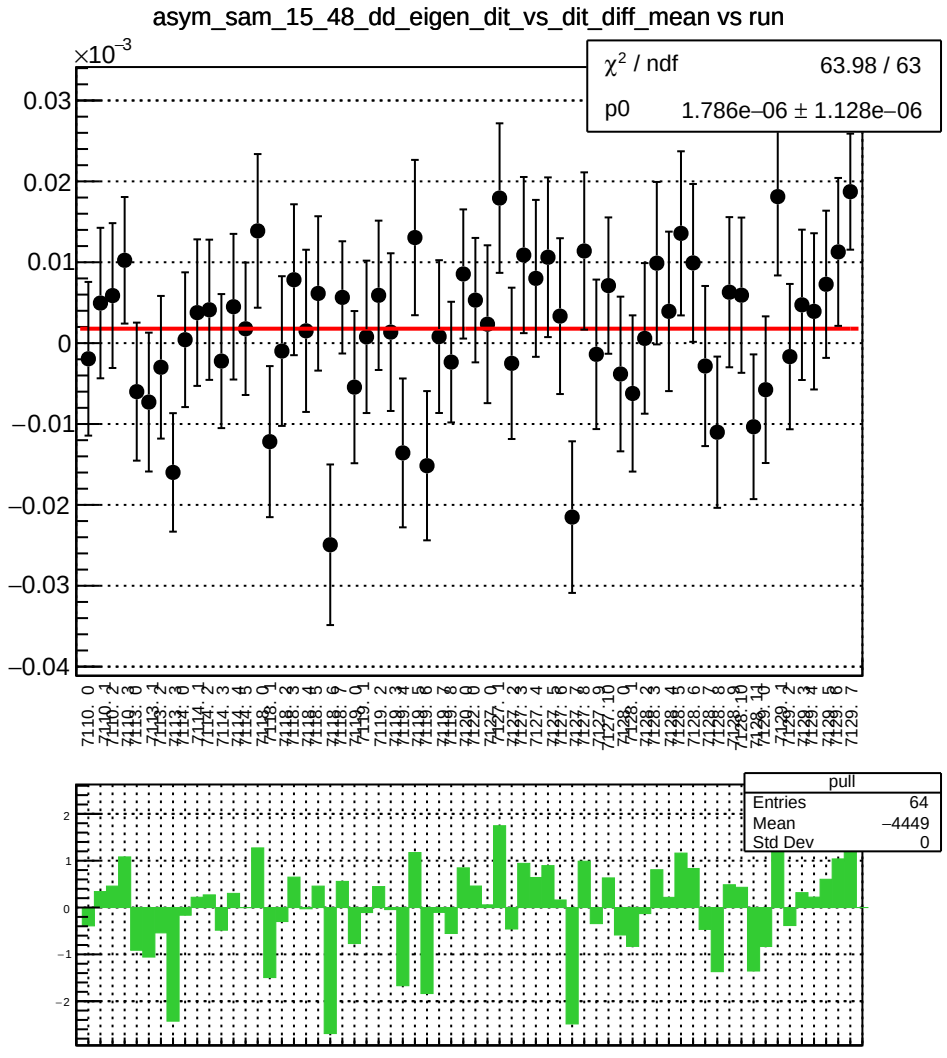

pull1D
Entries 64
Mean −0.01921
Std Dev 0.866

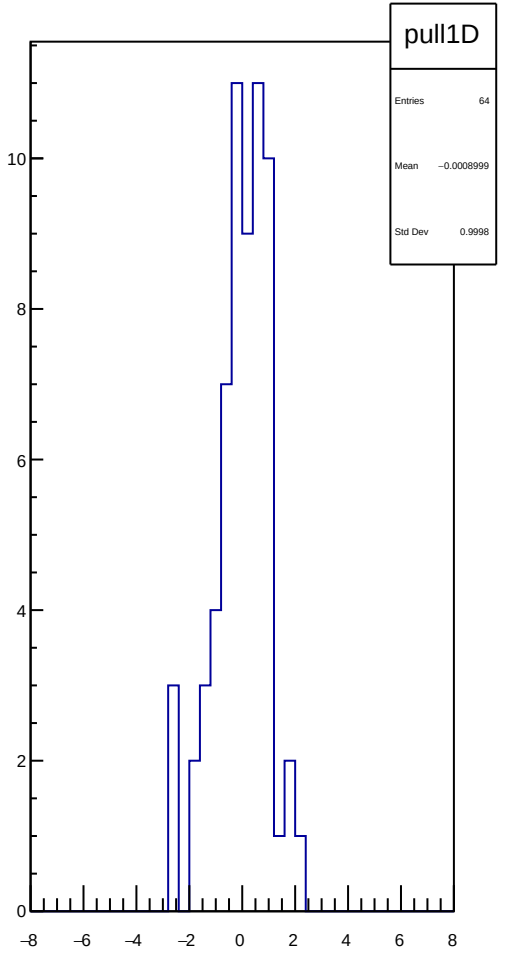

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.754e+04 / 63
p0 56.86 ± 0.05283
140
120
100
80
60
40

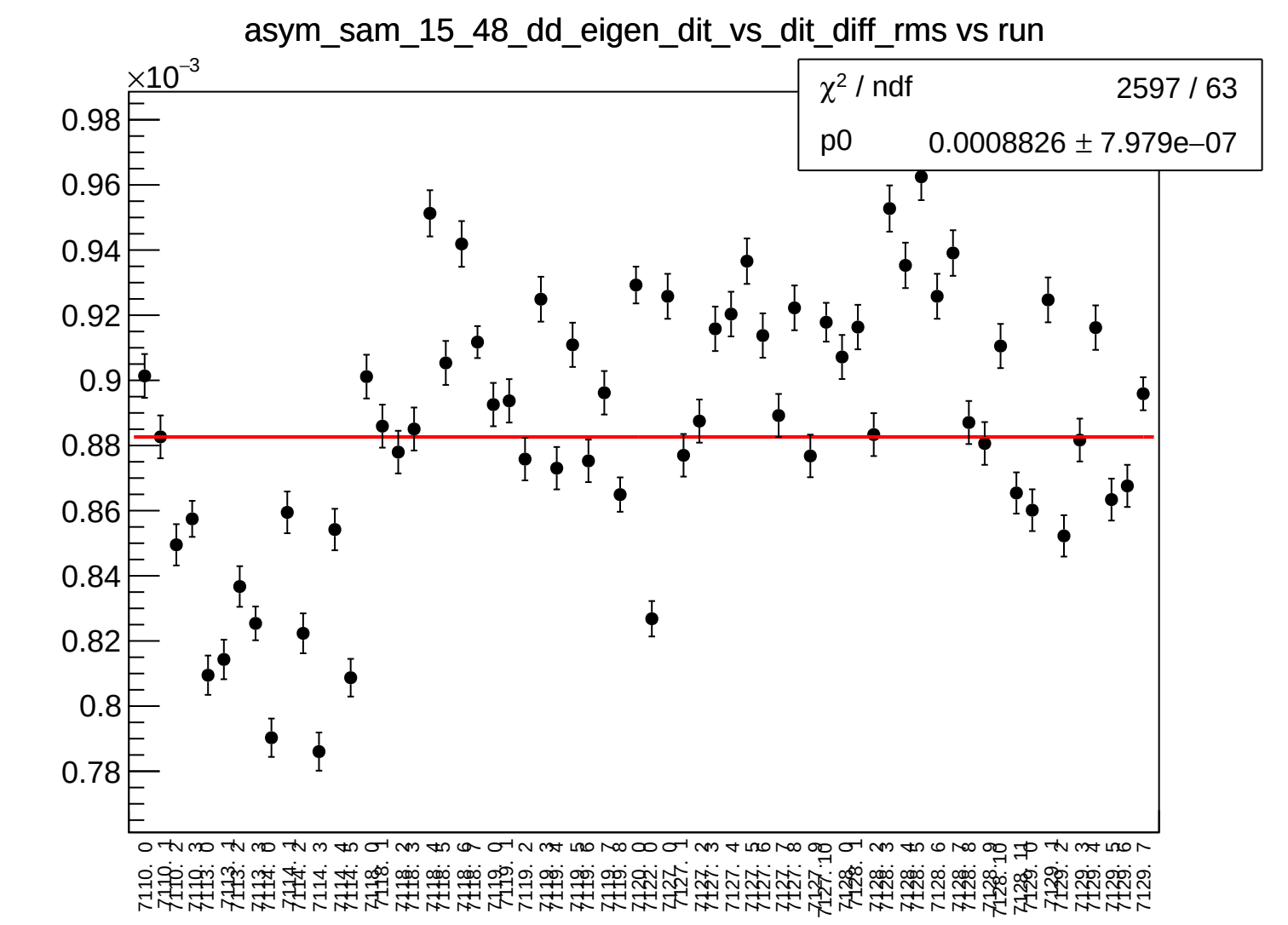

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.02 / 63
p0 0.155 ± 0.07471
pull
Entries 64
Mean −120.2
Std Dev 0

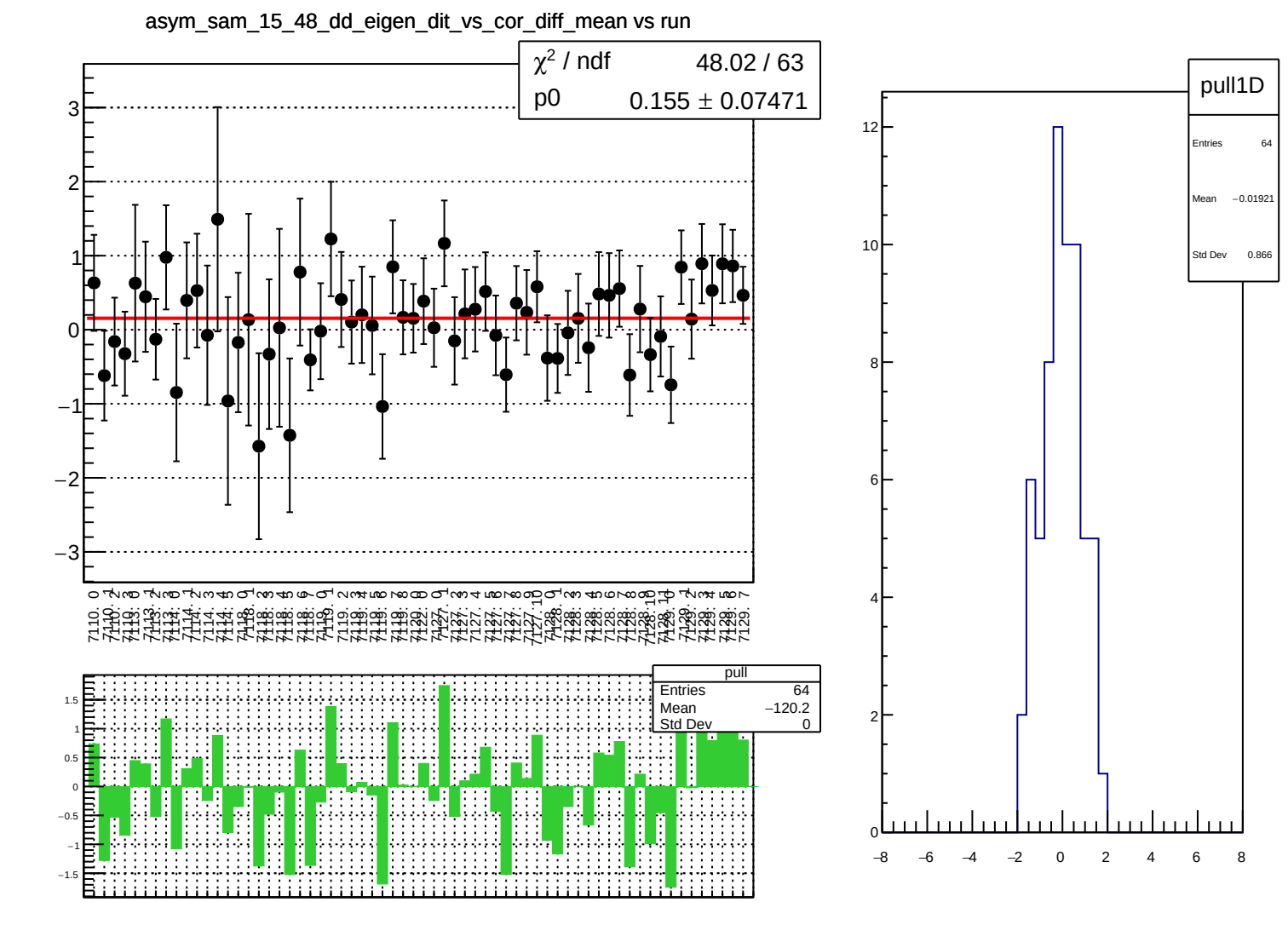

pull1D
Entries 64
Mean −0.01921
Std Dev 0.866

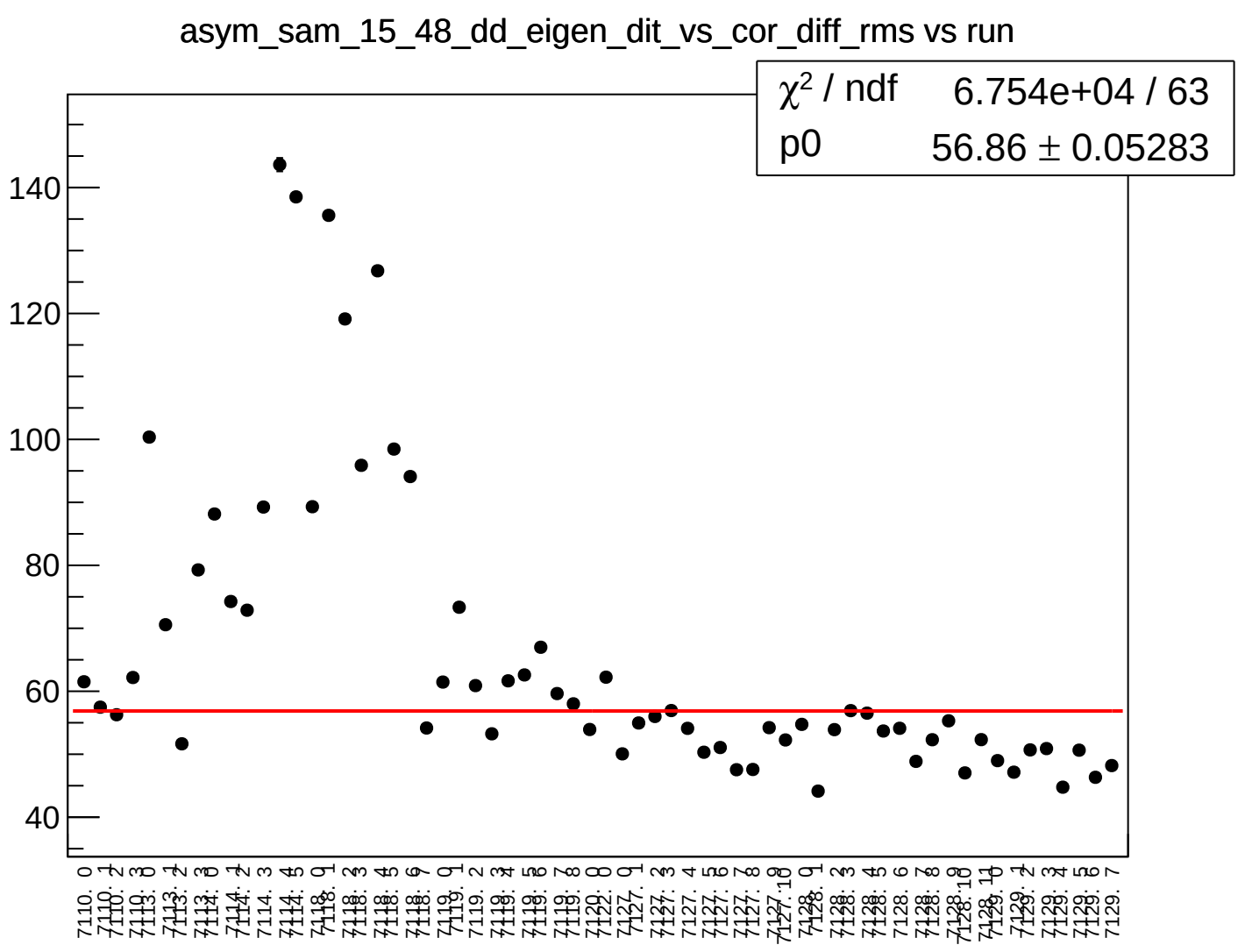

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.754e+04 / 63
p0 56.86 ± 0.05283
140
120
100
80
60
40


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.98 / 63
p0 1.786e−06 ± 1.128e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 64
Mean −4449
Std Dev 0
2
1
0
−1
−2

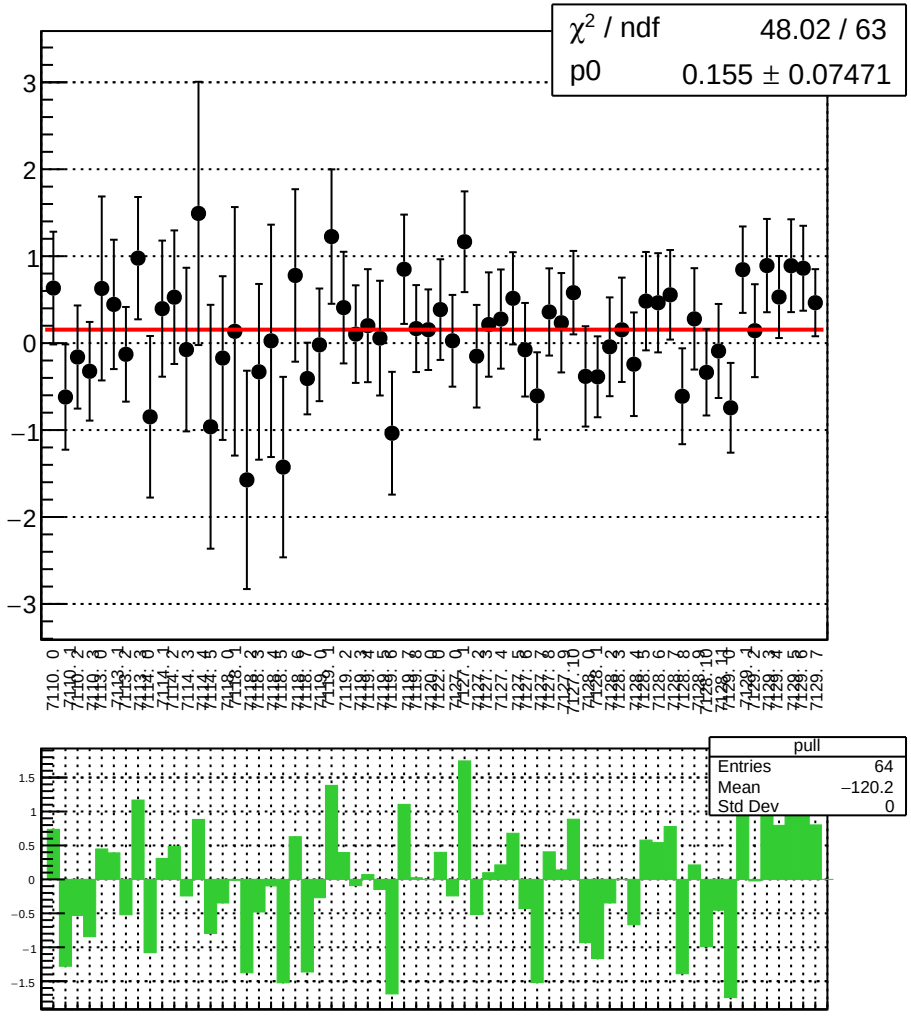

pull1D
Entries 64
Mean −0.0008999
Std Dev 0.9998
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

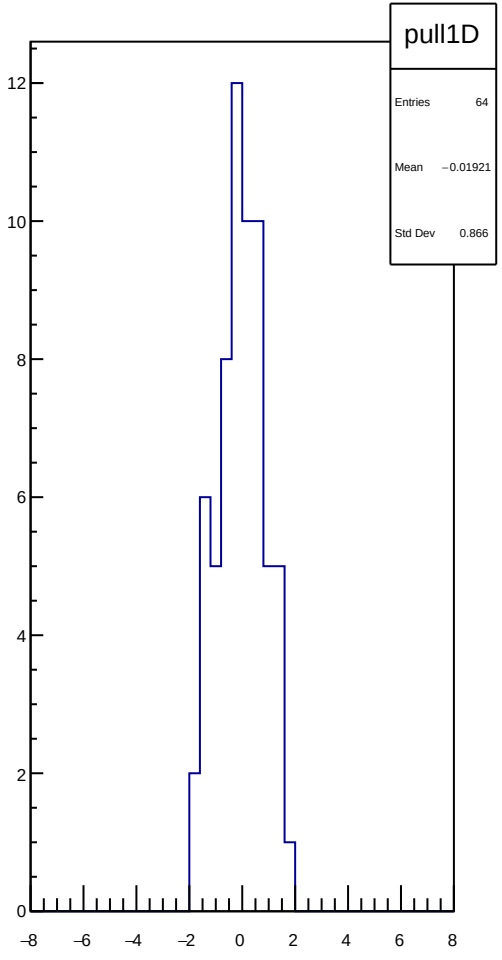

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2597 / 63
p0 0.0008826 ± 7.979e−07
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78

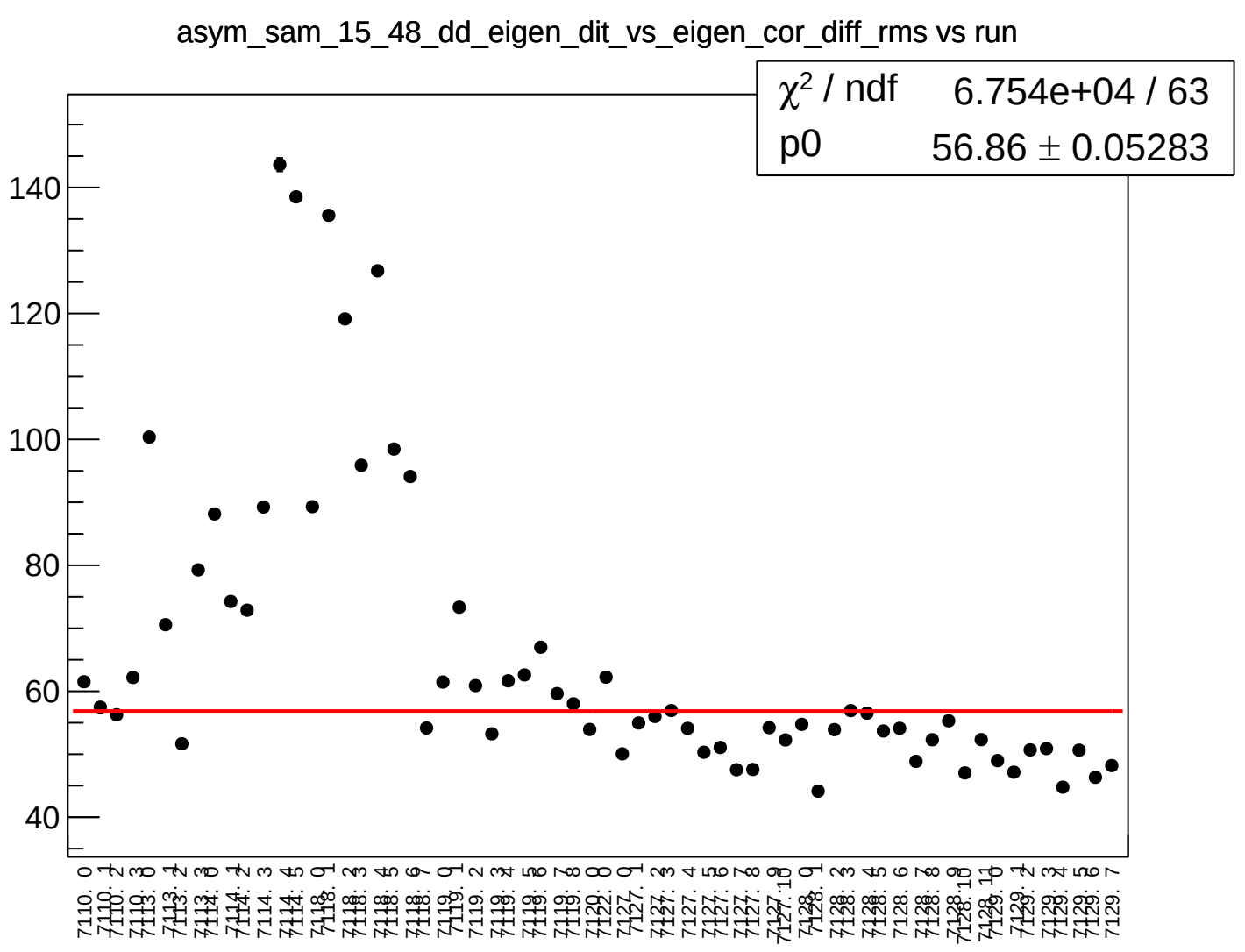

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.02 / 63
p0 0.155 ± 0.07471
pull
Entries 64
Mean −120.2
Std Dev 0
pull1D
Entries 64
Mean −0.01921
Std Dev 0.866

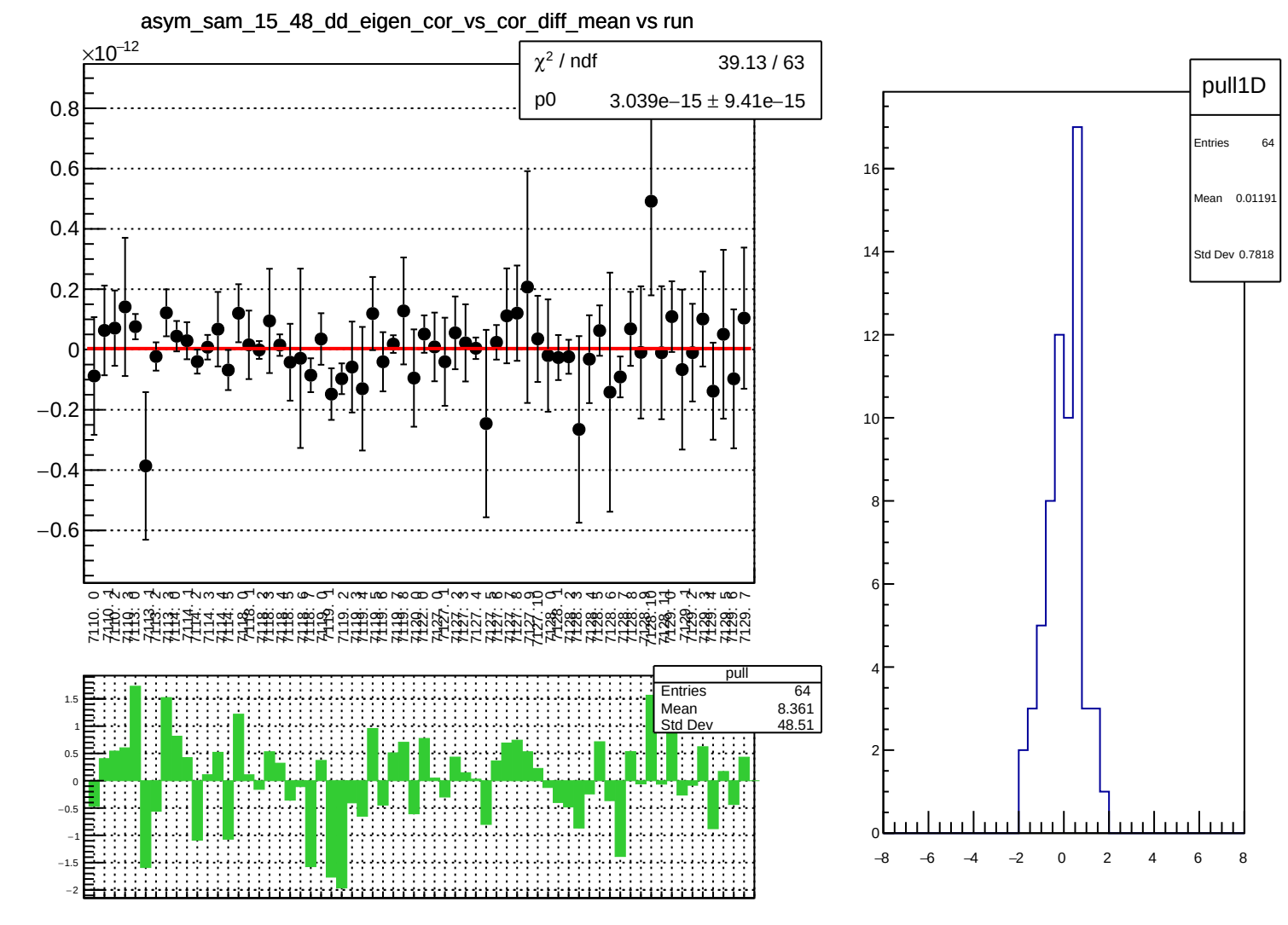

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.754e+04 / 63
p0 56.86 ± 0.05283
140
120
100
80
60
40

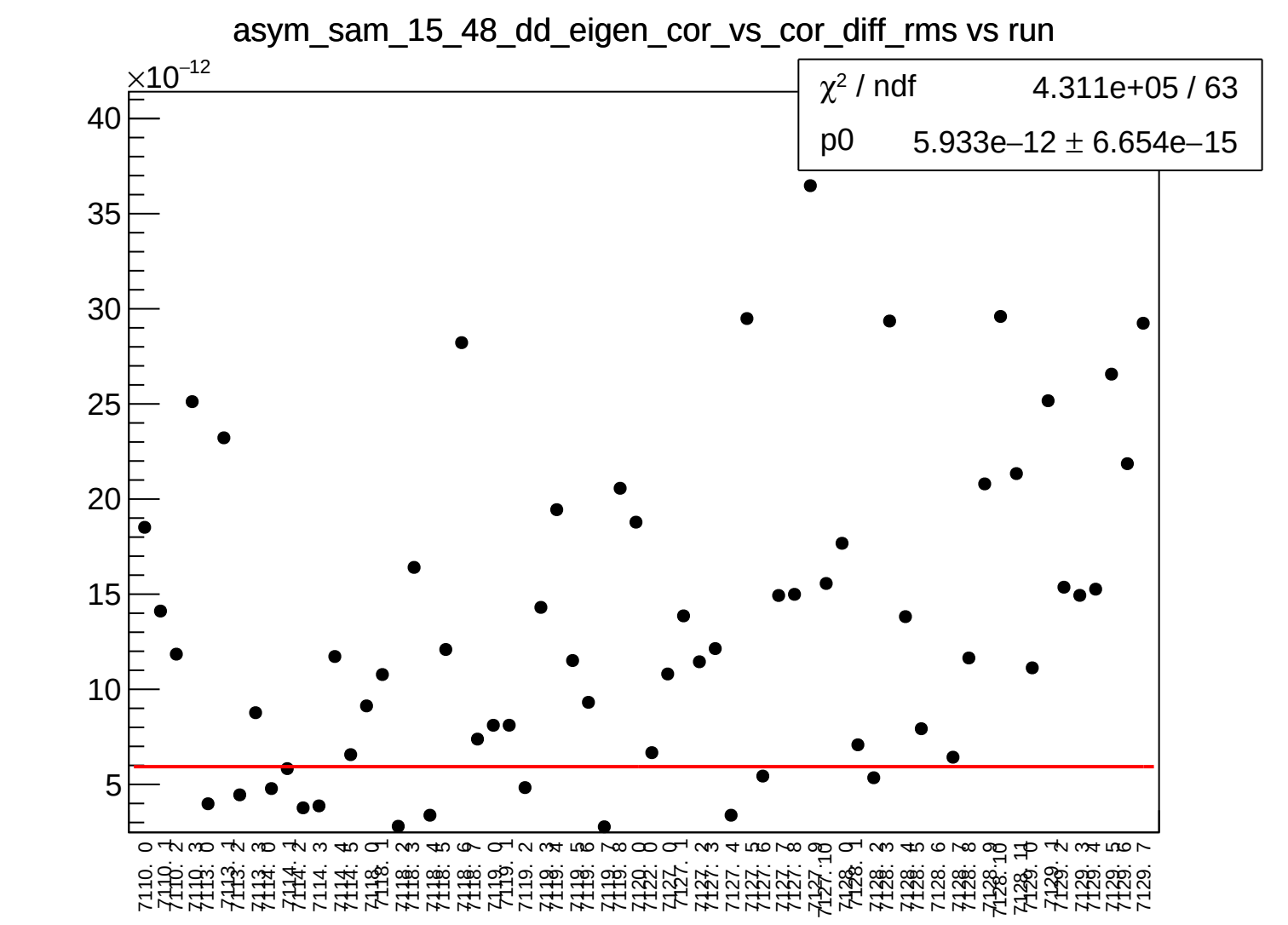
asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

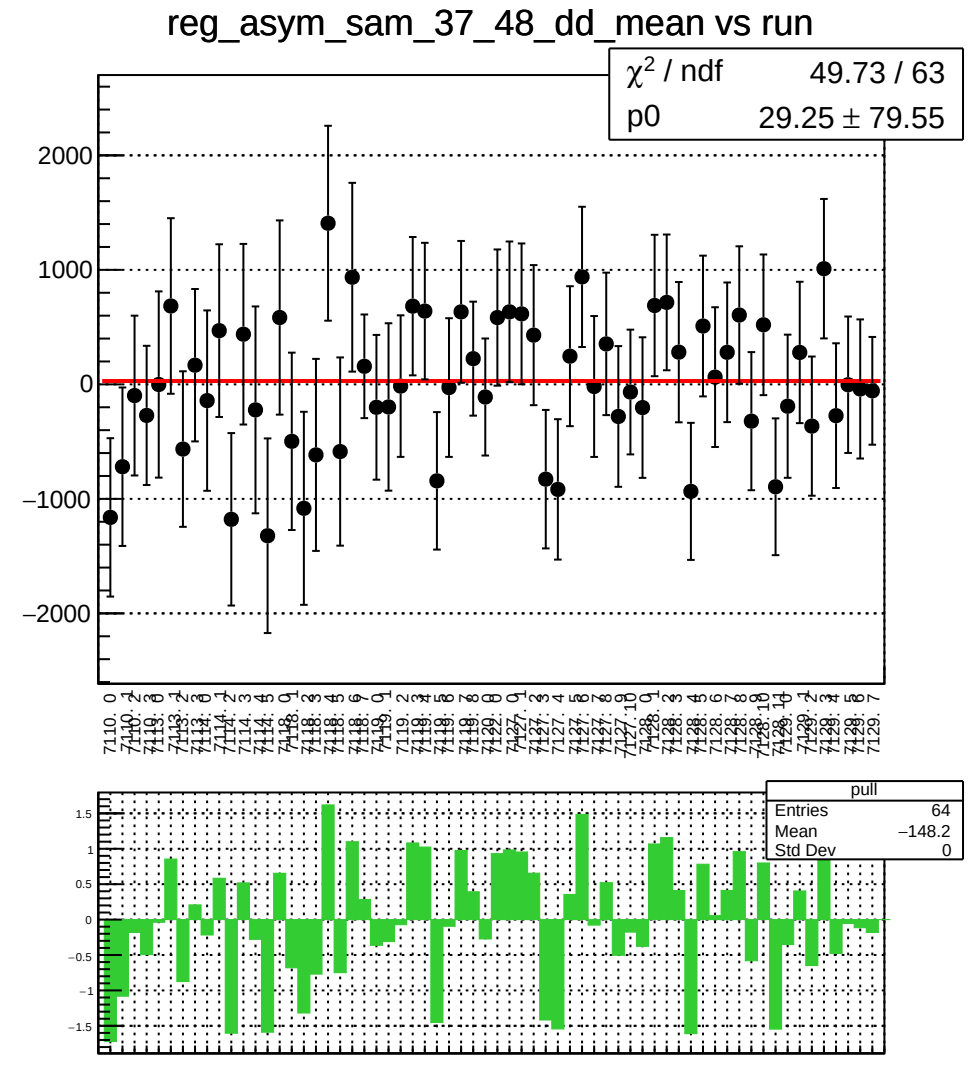


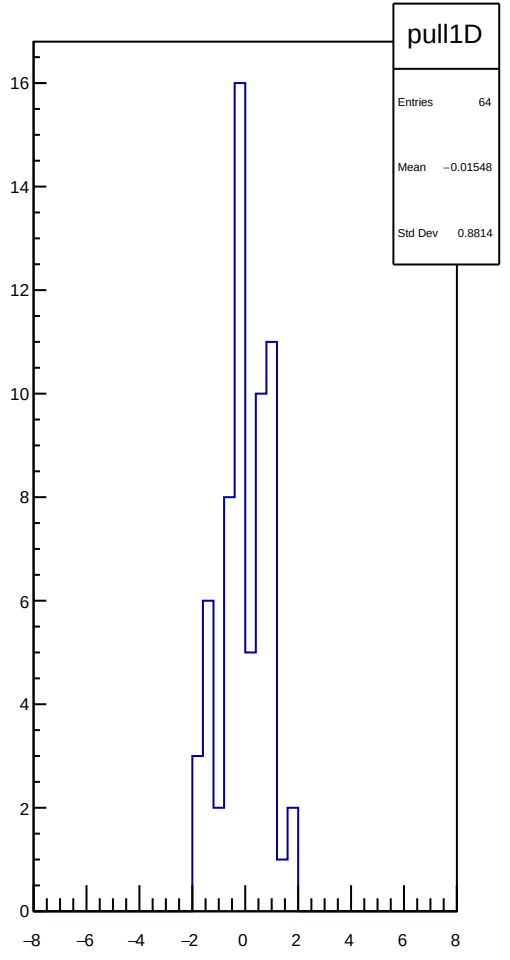


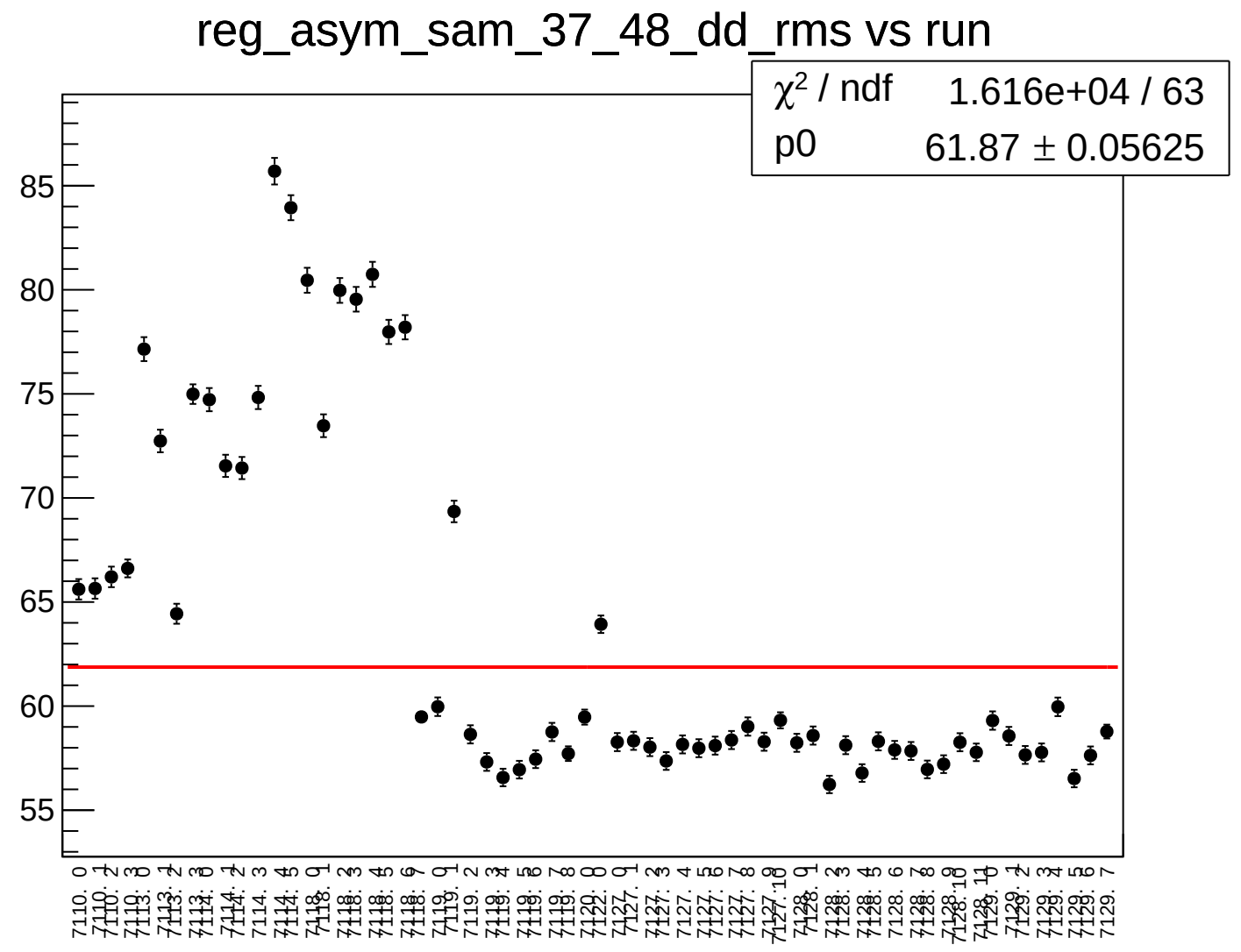

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.754e+04 / 63
p0 56.86 ± 0.05283
140
120
100
80
60
40

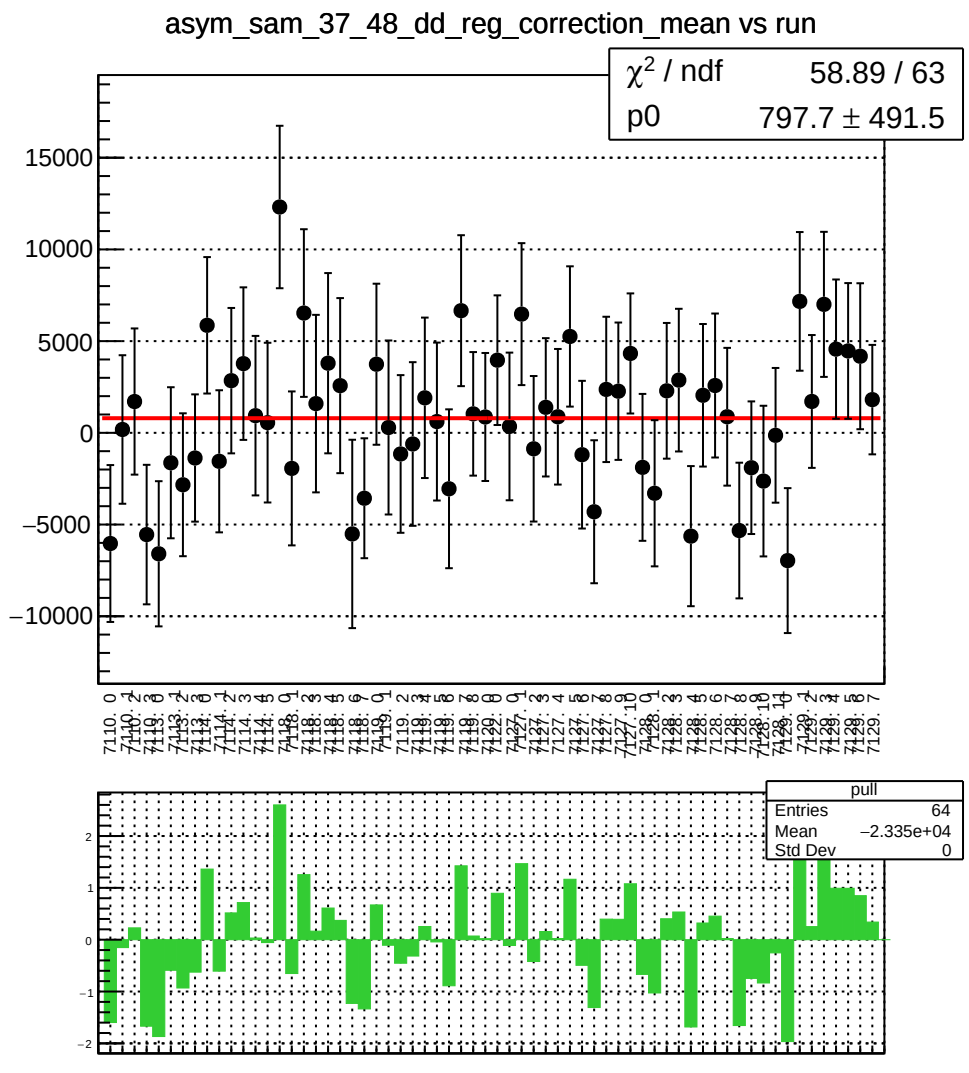

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.13 / 63
p0 3.039e−15 ± 9.41e−15
pull
Entries 64
Mean 8.361
Std Dev 48.51
pull1D
Entries 64
Mean 0.01191
Std Dev 0.7818

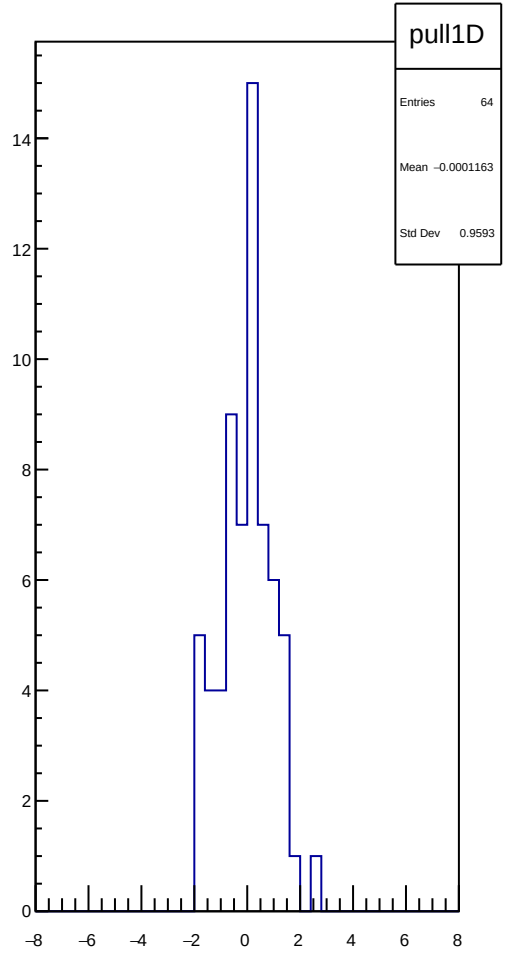

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.311e+05 / 63
p0 5.933e−12 ± 6.654e−15
40
35
30
25
20
15
10
5

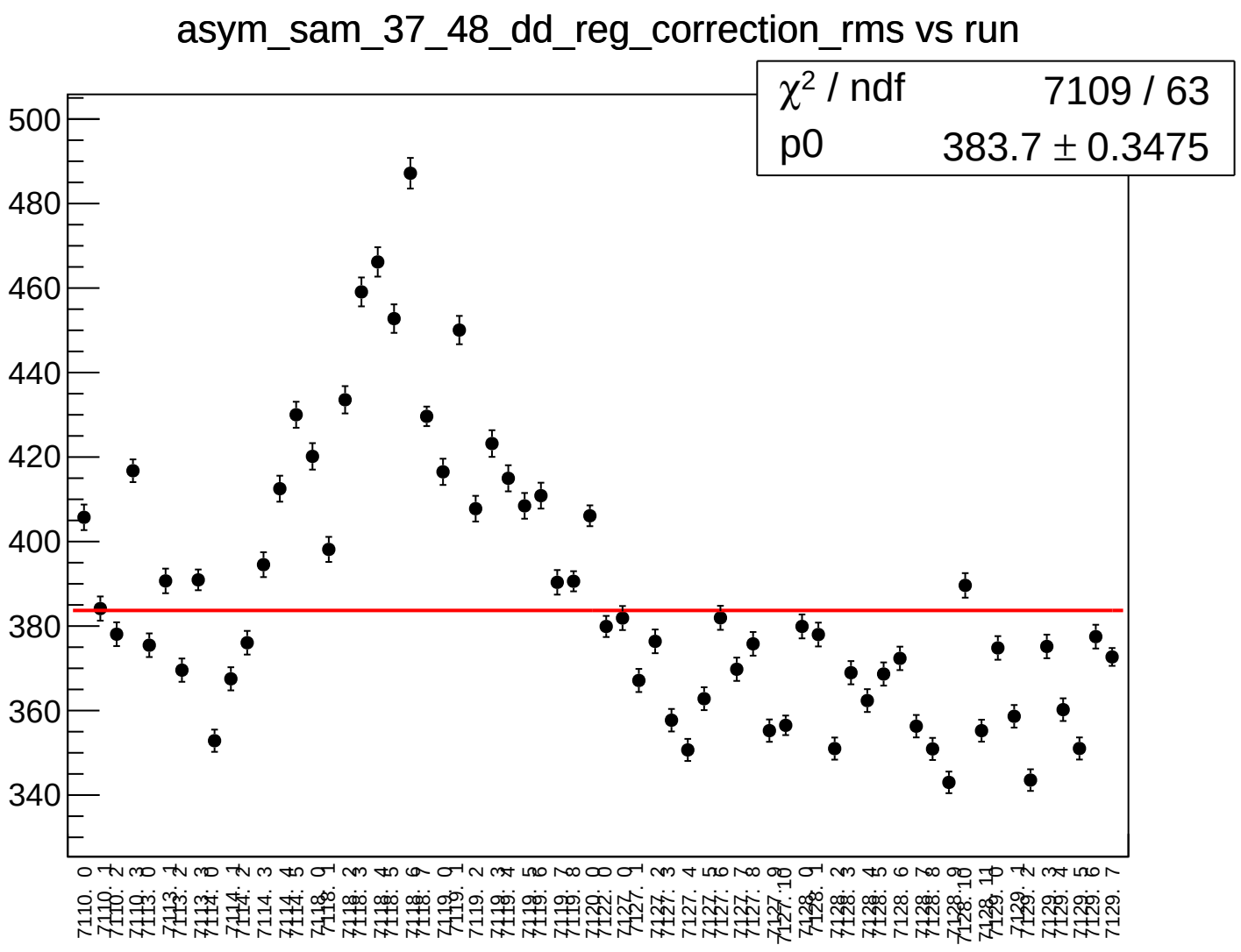

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 49.73 / 63
p0 29.25 ± 79.55
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −148.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

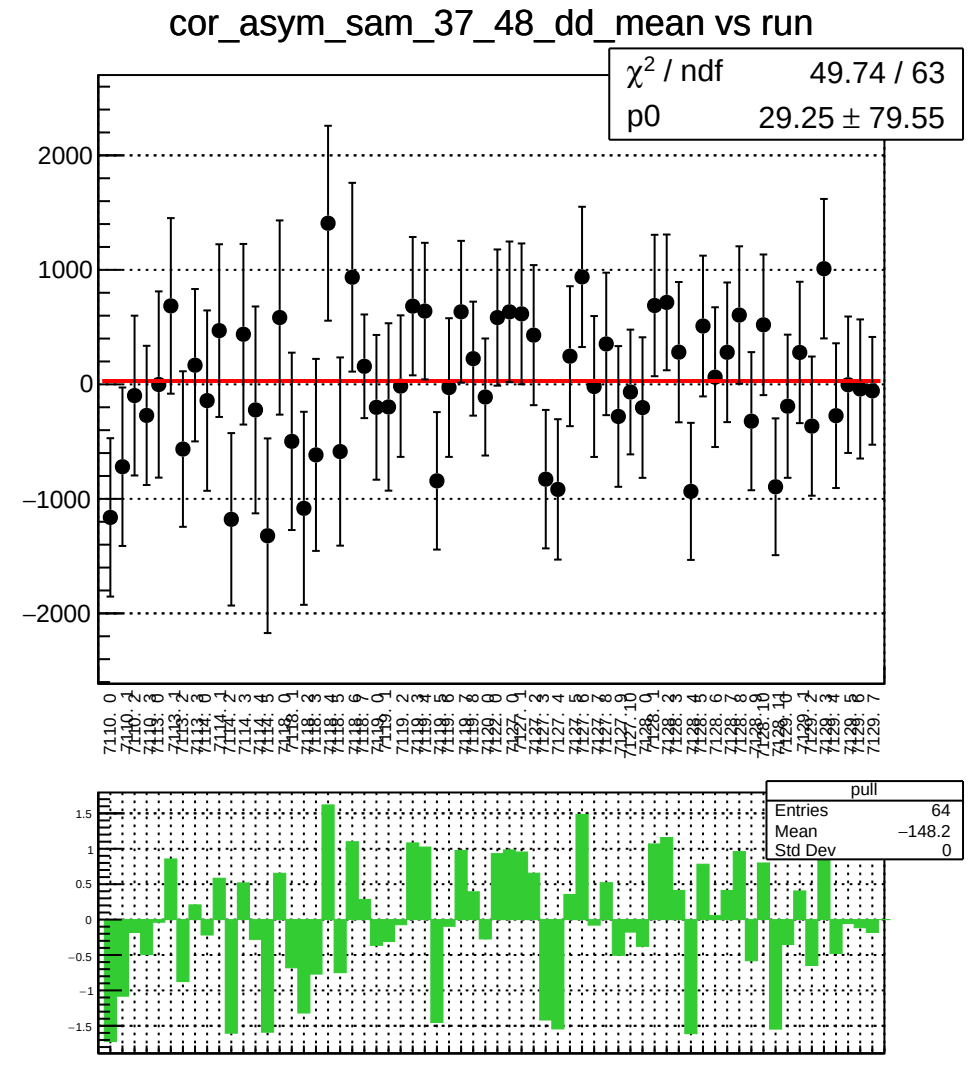

pull1D
Entries 64
Mean −0.01548
Std Dev 0.8814
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

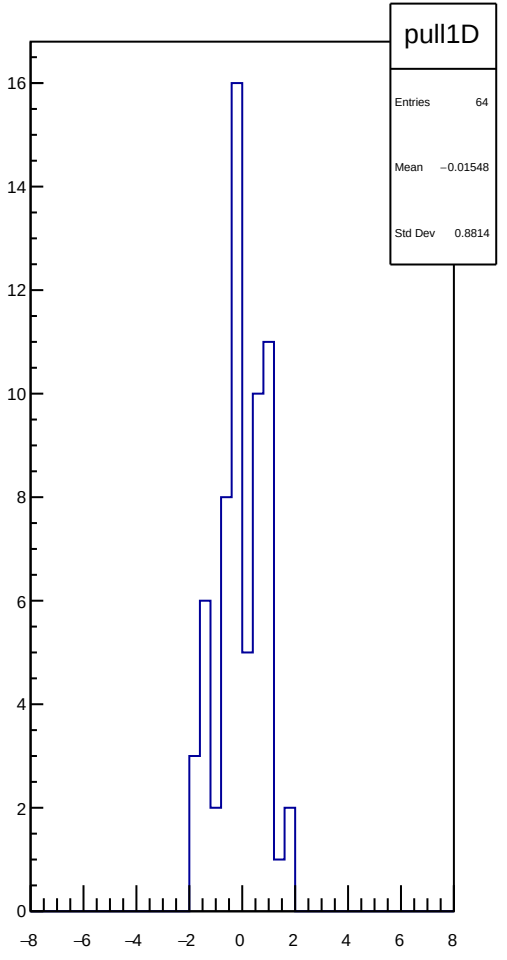

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.616e+04 / 63
p0 61.87 ± 0.05625
85
80
75
70
65
60
55

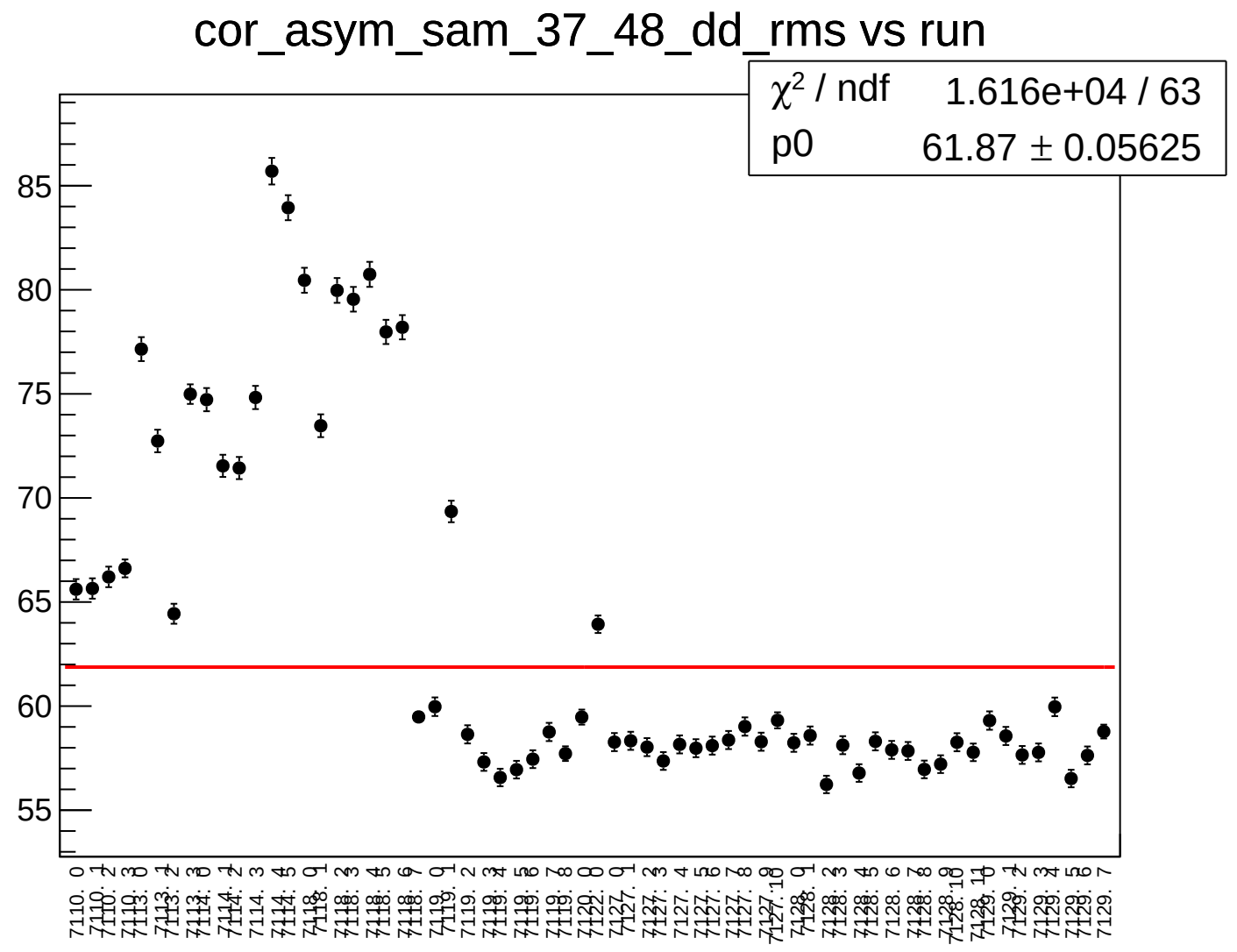

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 58.89 / 63
p0 797.7 ± 491.5
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −2.335e+04
Std Dev 0
2
1
0
−1
−2

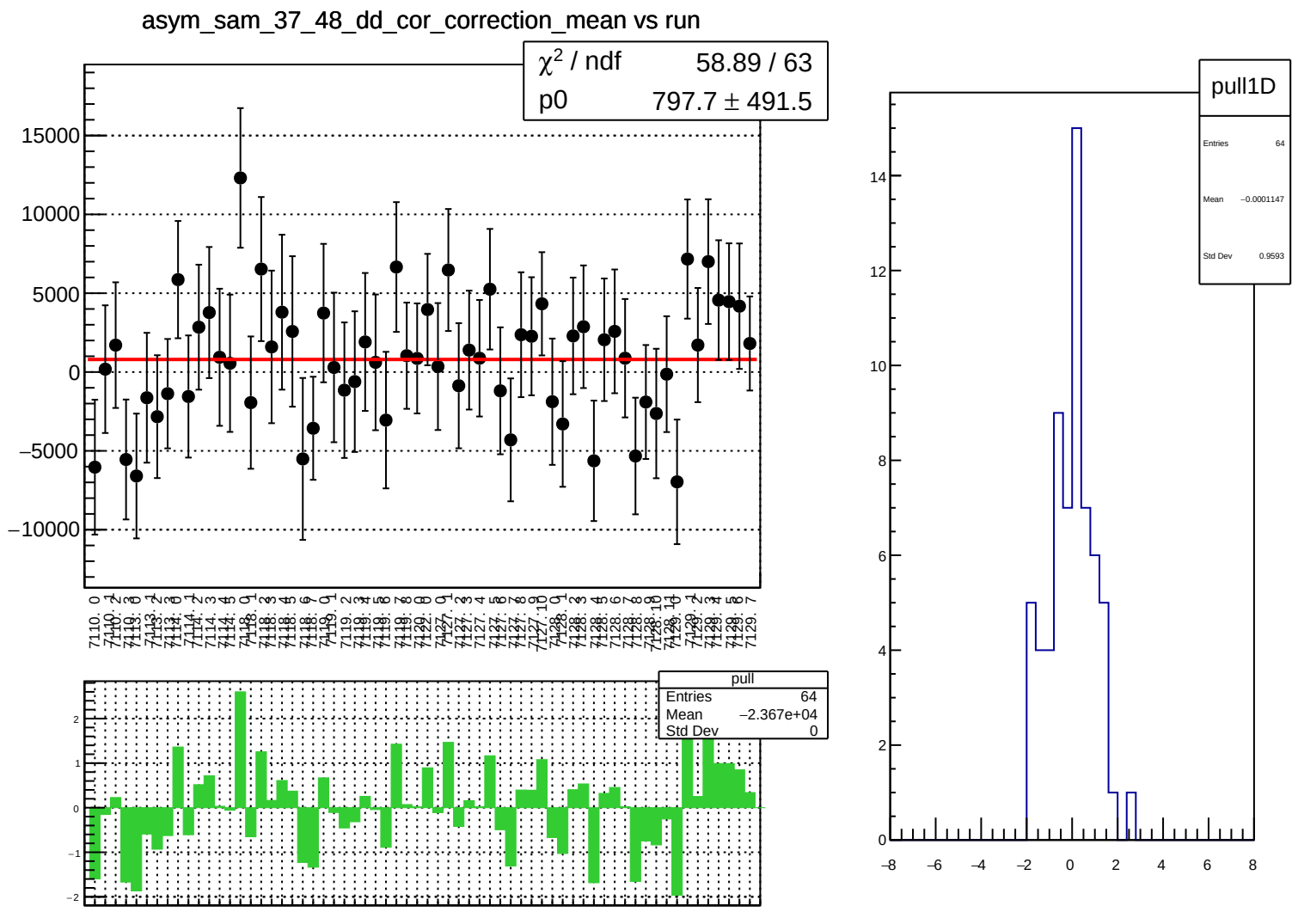

pull1D
Entries 64
Mean −0.0001163
Std Dev 0.9593
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

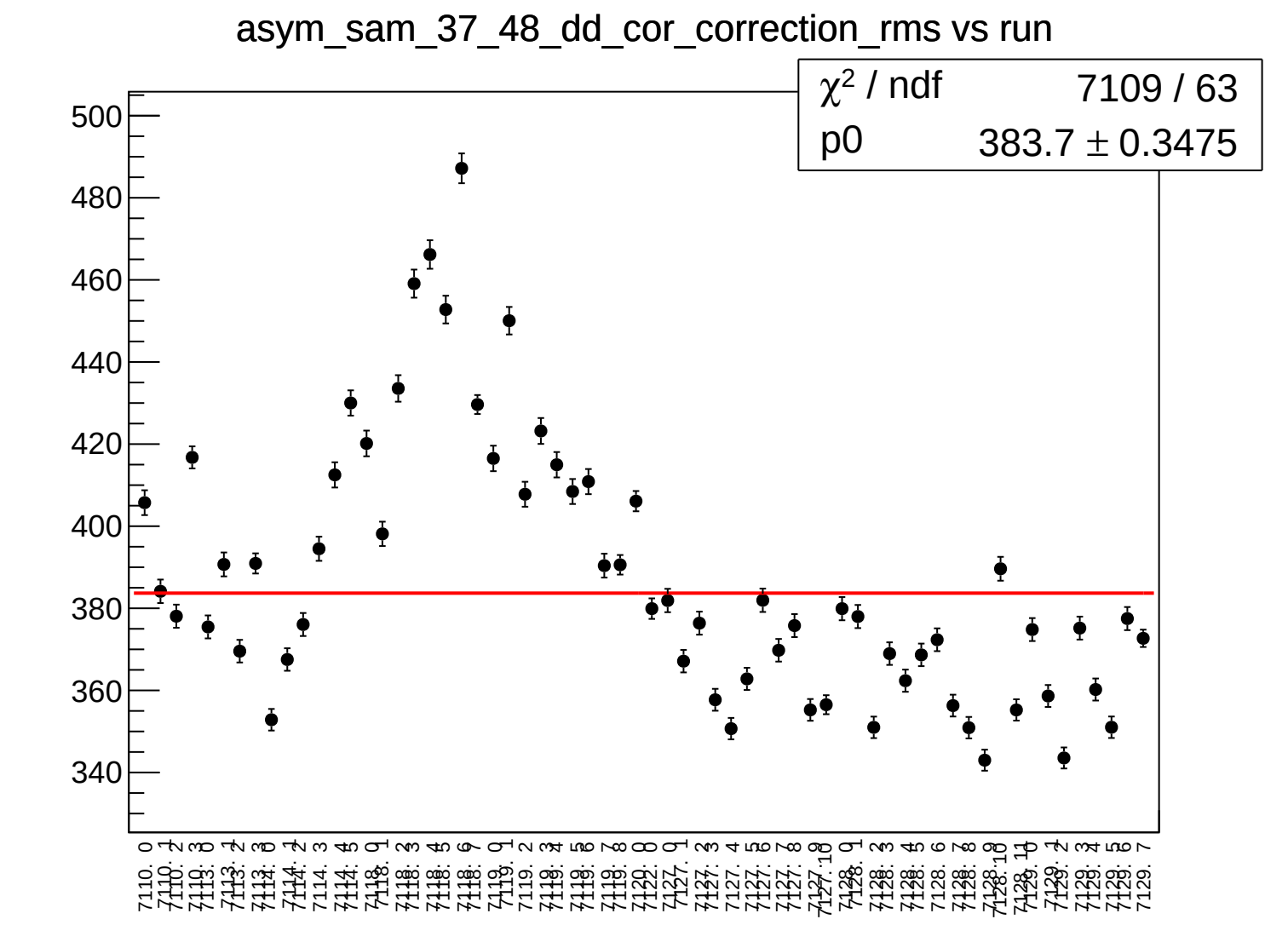

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 7109 / 63
p0 383.7 ± 0.3475
500
480
460
440
420
400
380
360
340

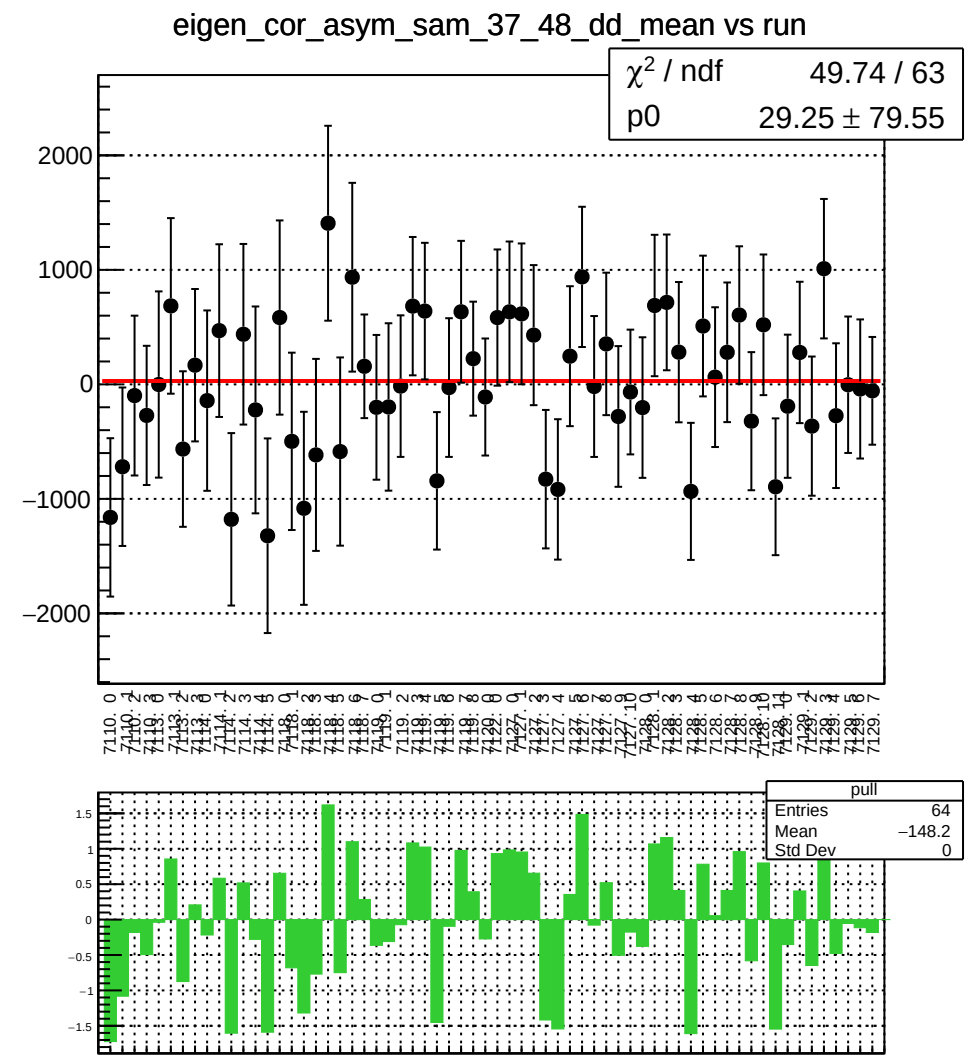

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 49.74 / 63
p0 29.25 ± 79.55
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −148.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

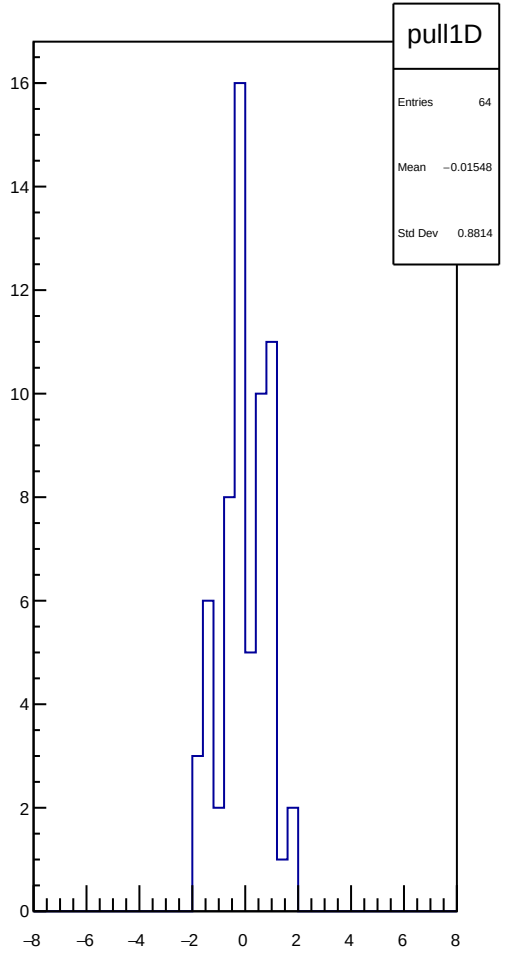

pull1D
Entries 64
Mean −0.01548
Std Dev 0.8814
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

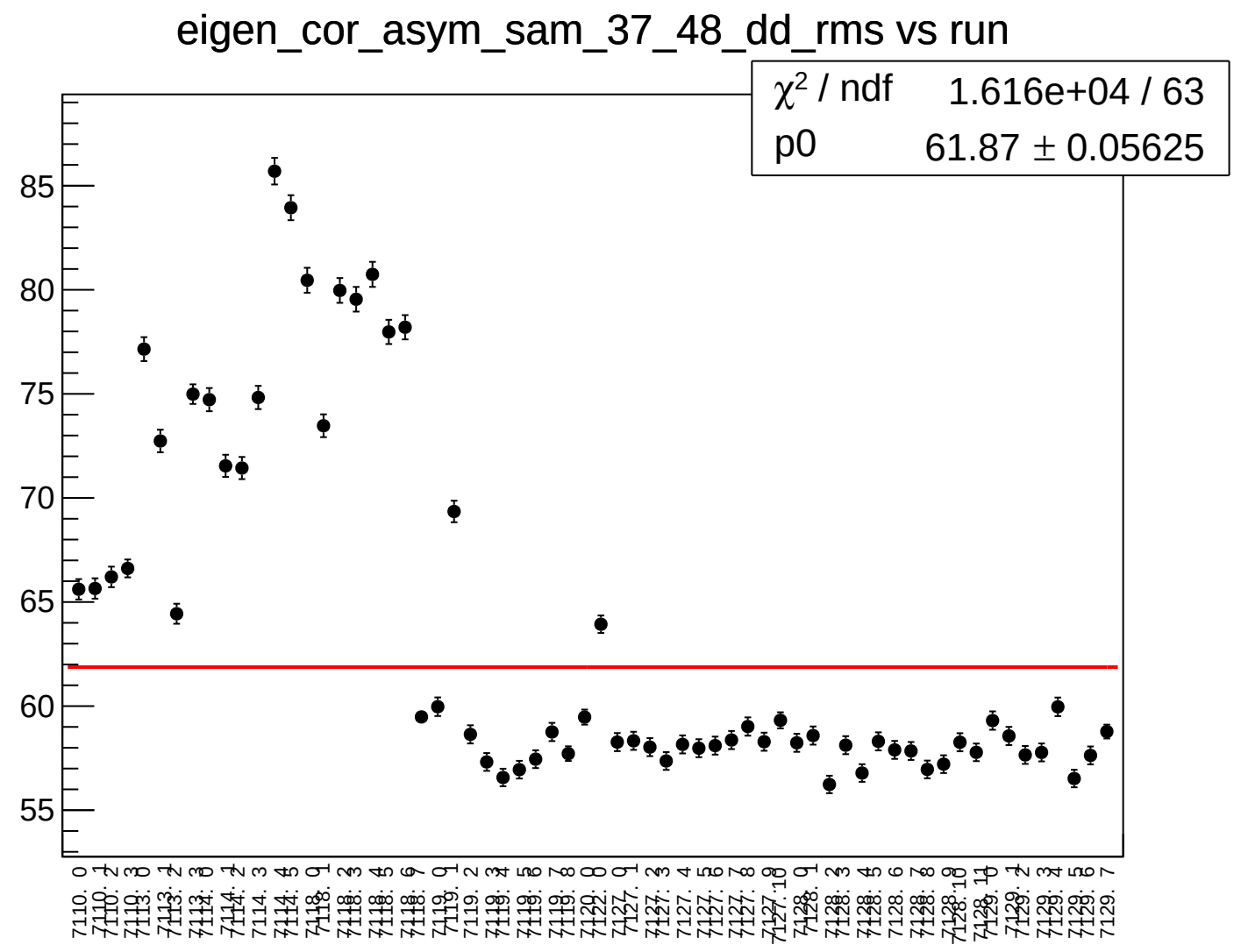

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.616e+04 / 63
p0 61.87 ± 0.05625
85
80
75
70
65
60
55

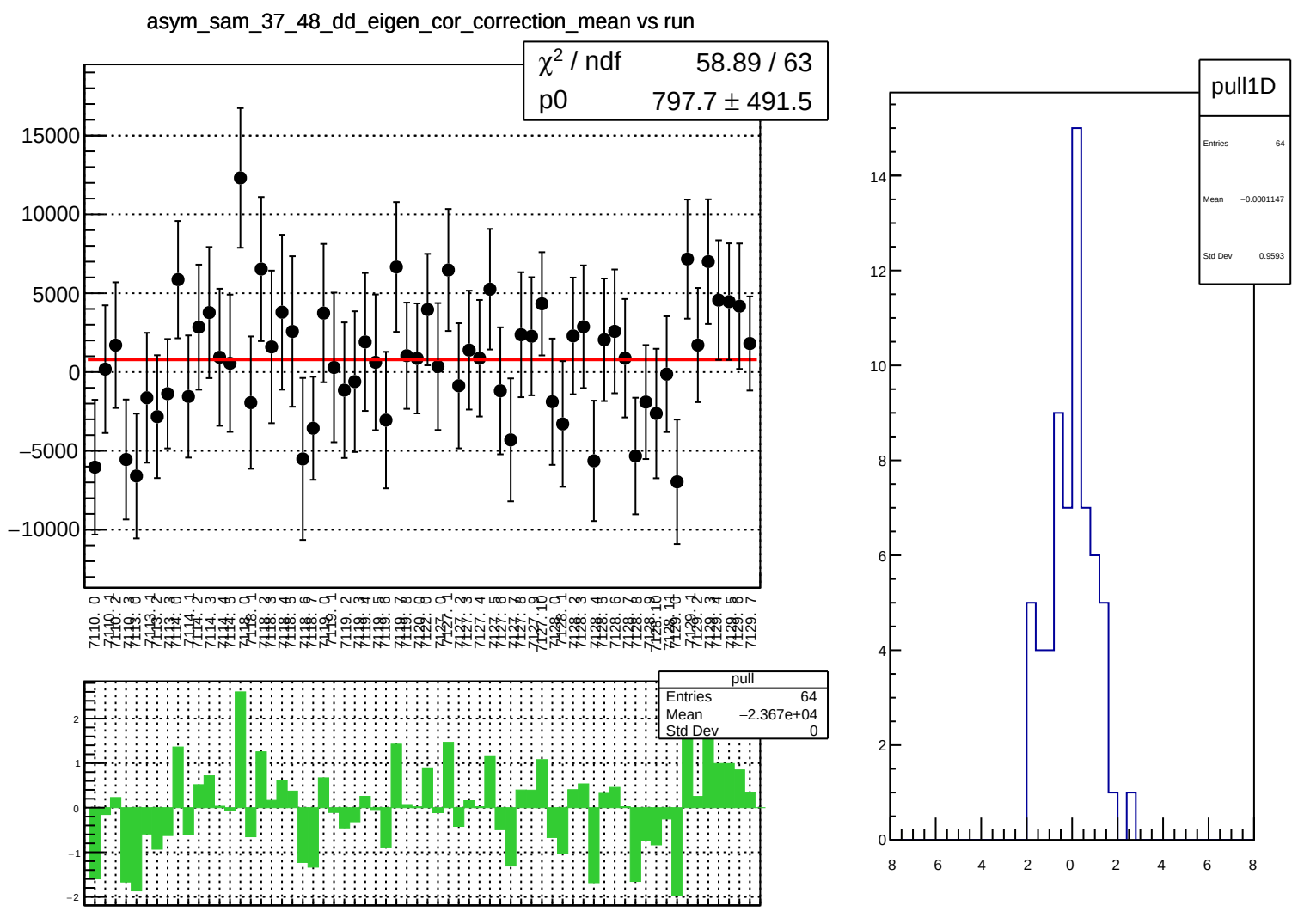

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 58.89 / 63
p0 797.7 ± 491.5
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −2.367e+04
Std Dev 0
pull1D
Entries 64
Mean −0.0001147
Std Dev 0.9593

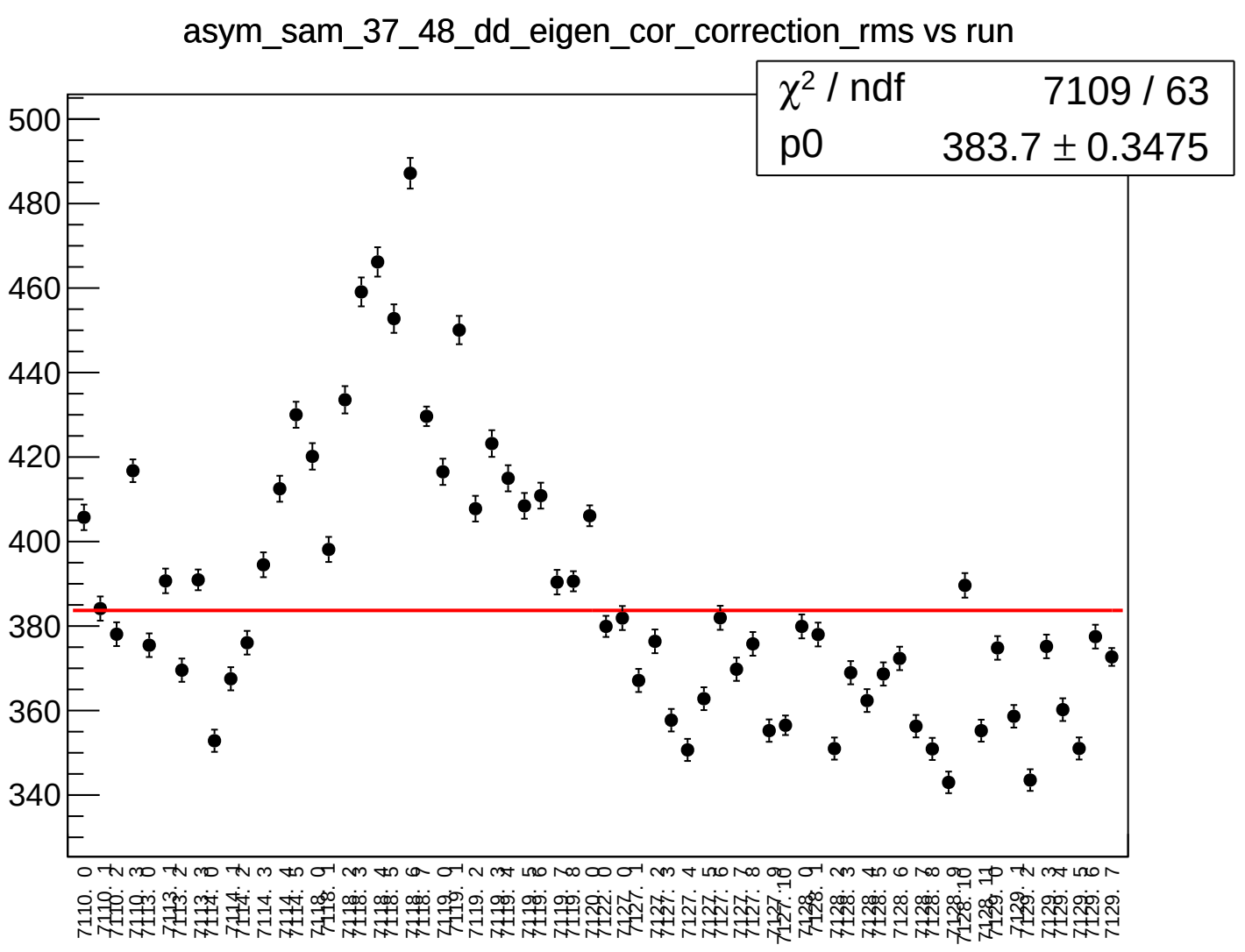

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 7109 / 63
p0 383.7 ± 0.3475
500
480
460
440
420
400
380
360
340

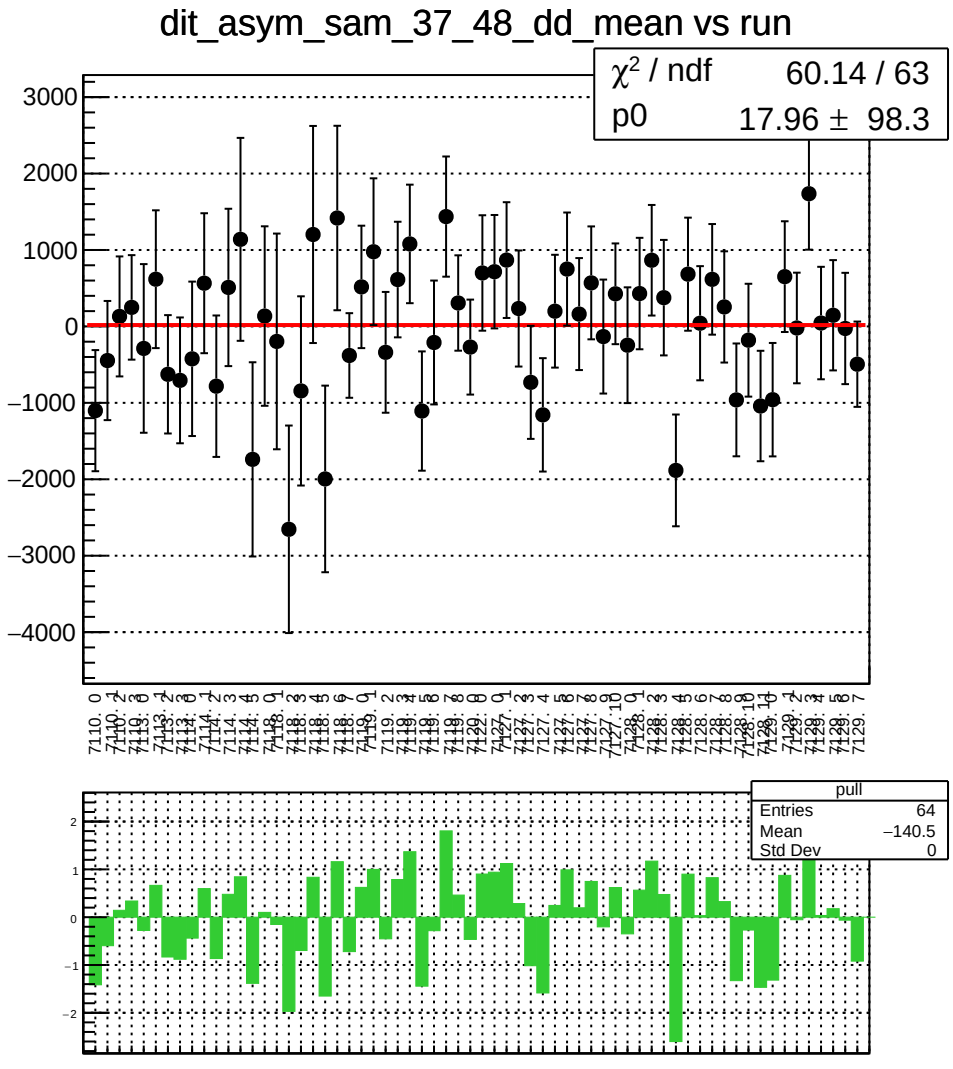

eigen_cor_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 49.74 / 63
p0 29.25 ± 79.55
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −148.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

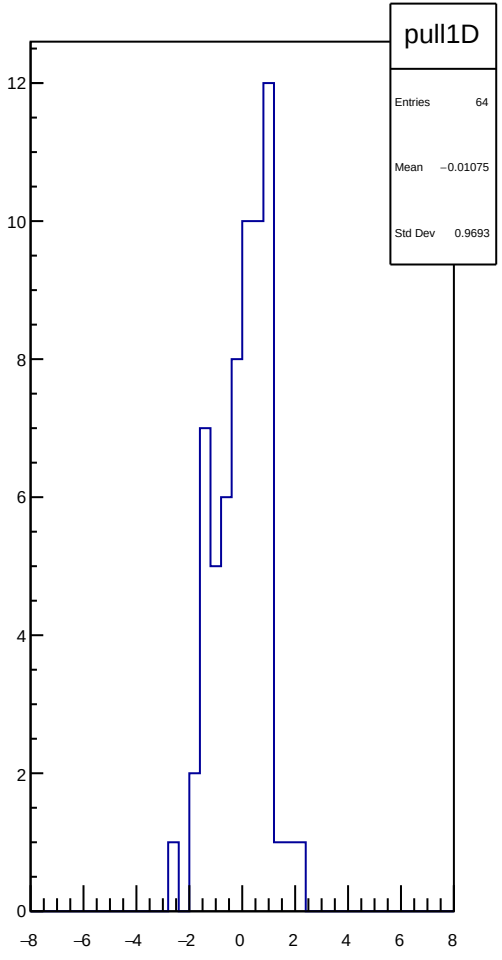

pull1D
Entries 64
Mean −0.01548
Std Dev 0.8814
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

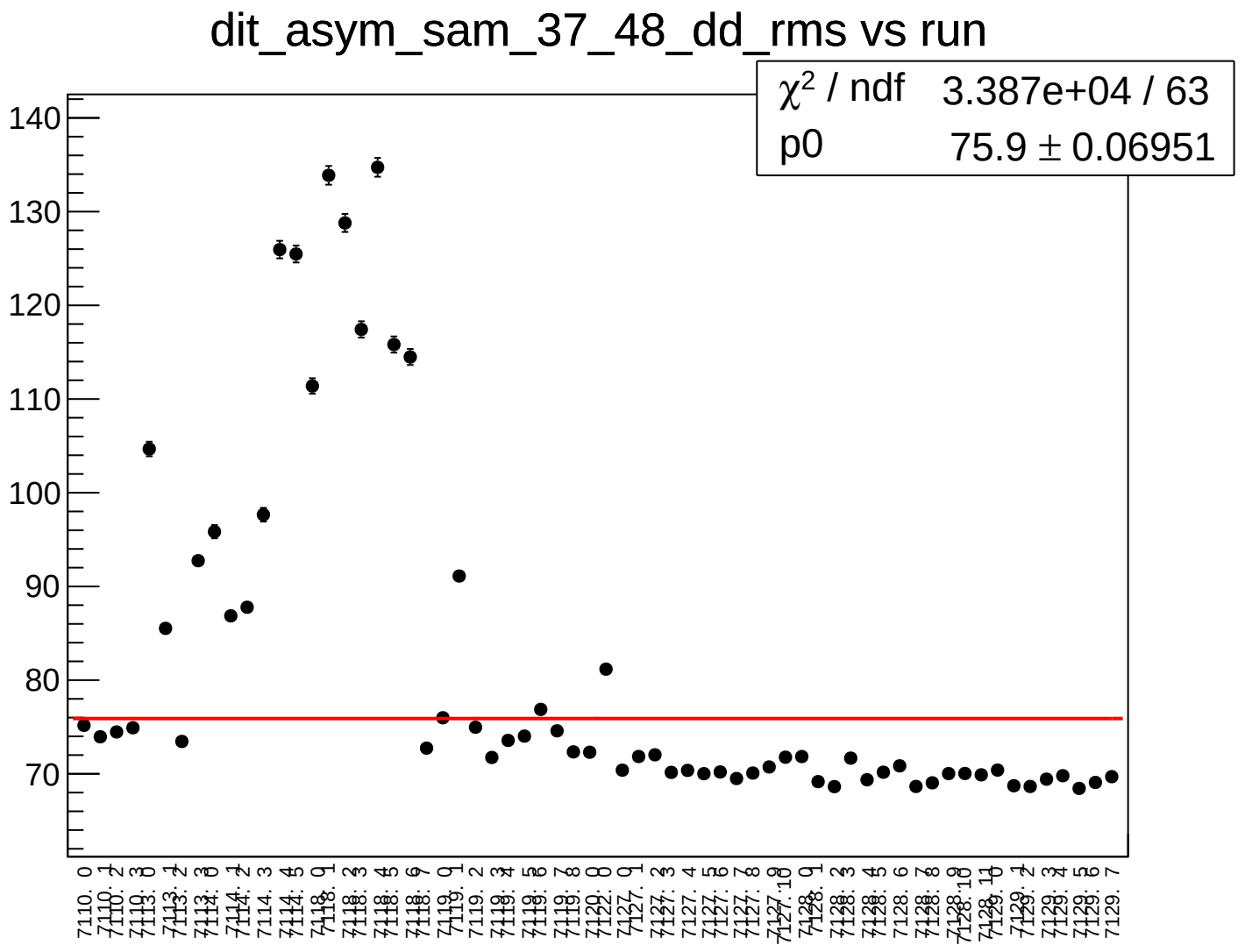

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.616e+04 / 63
p0 61.87 ± 0.05625
85
80
75
70
65
60
55

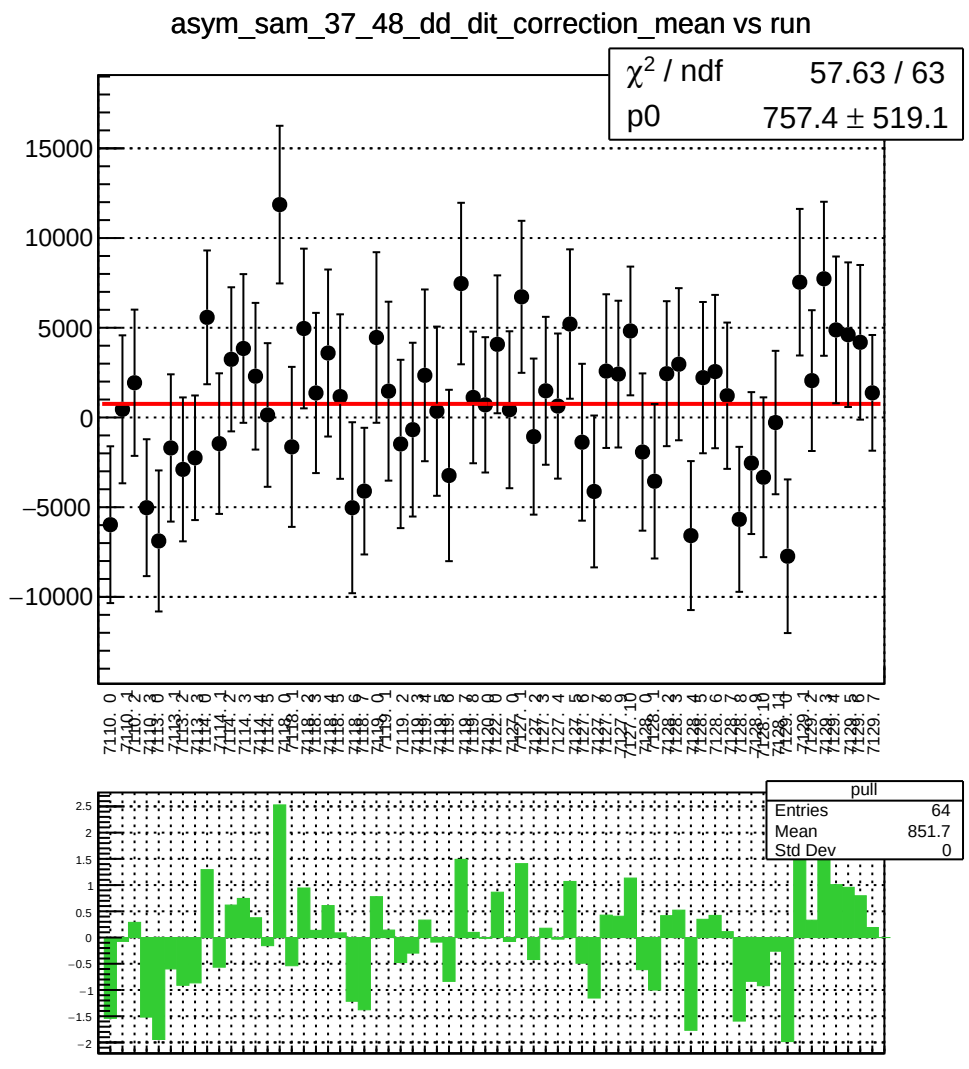

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 58.89 / 63
p0 797.7 ± 491.5
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −2.367e+04
Std Dev 0
pull1D
Entries 64
Mean −0.0001147
Std Dev 0.9593

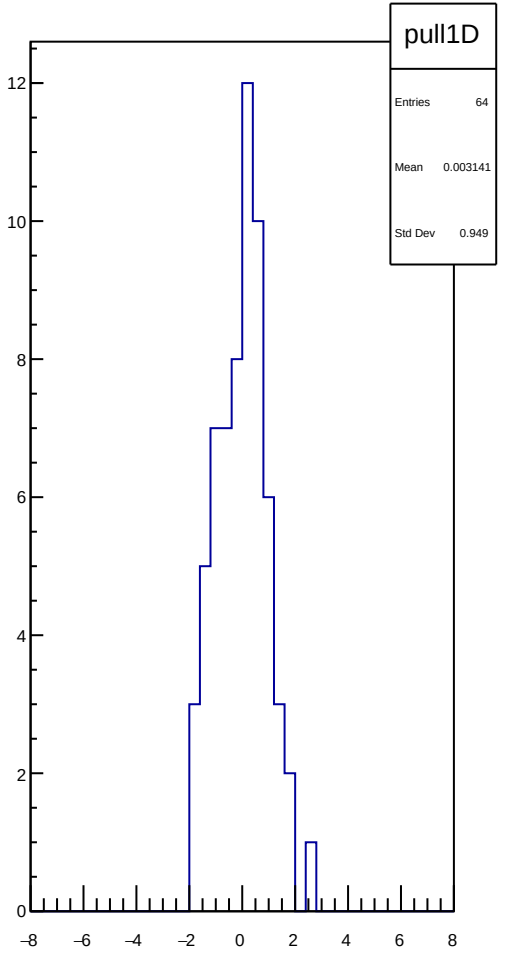

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 7109 / 63
p0 383.7 ± 0.3475
500
480
460
440
420
400
380
360
340

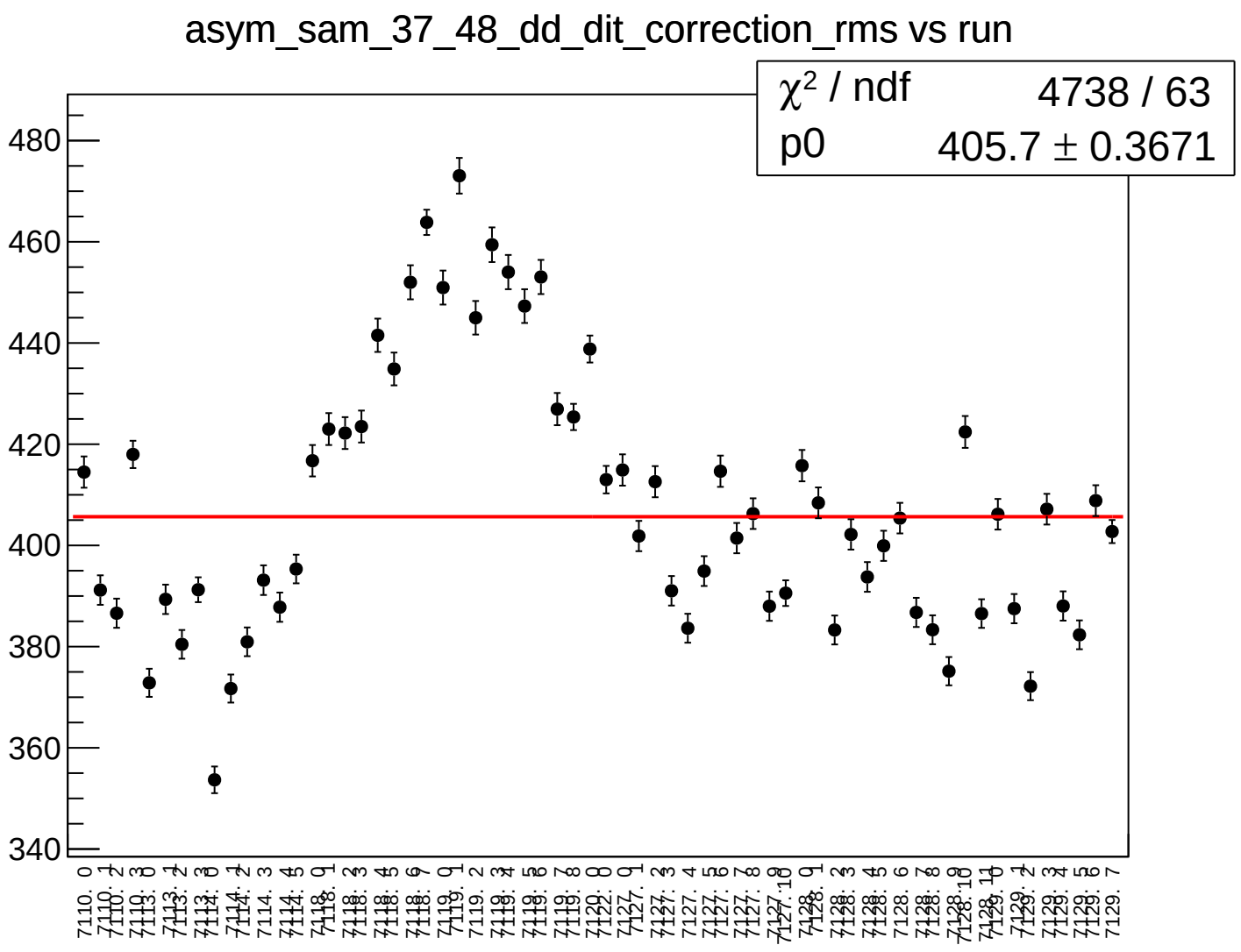

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 60.14 / 63
p0 17.96 ± 98.3
pull
Entries 64
Mean −140.5
Std Dev 0

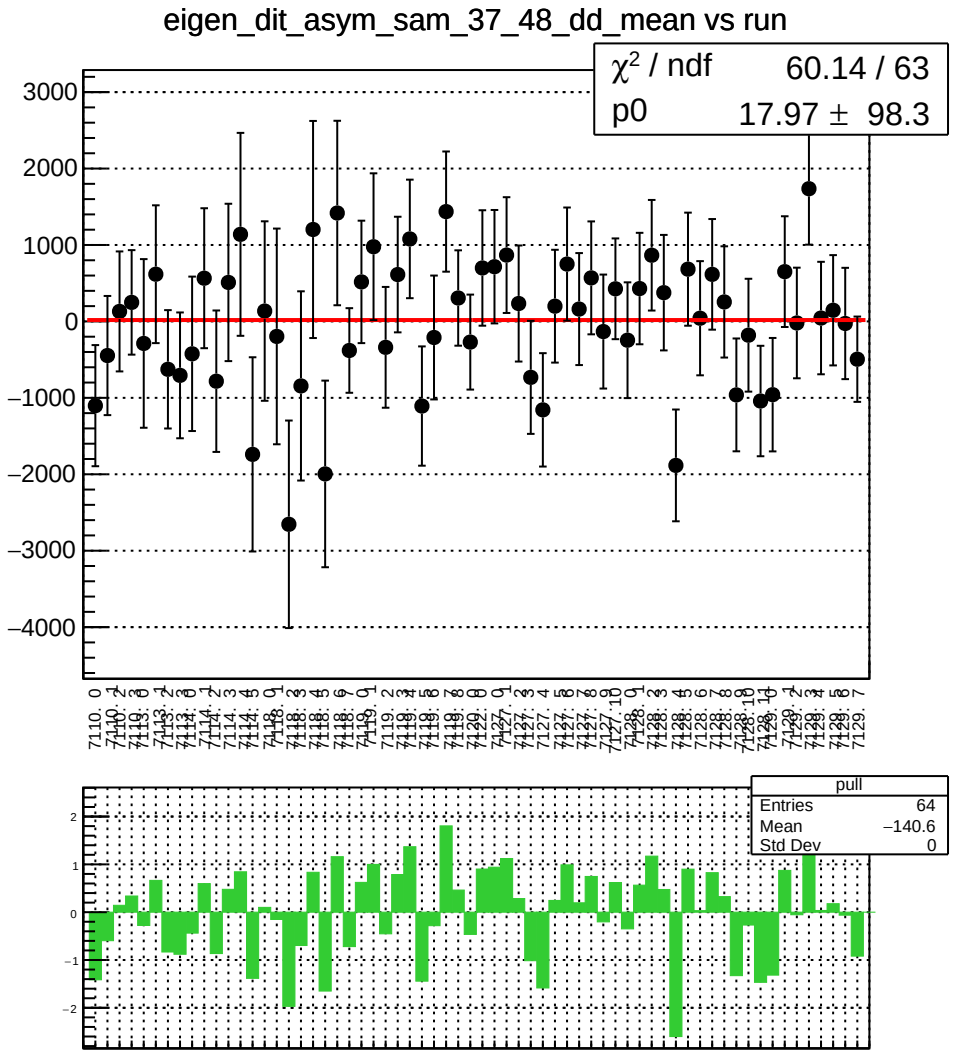

pull1D
Entries 64
Mean −0.01075
Std Dev 0.9693

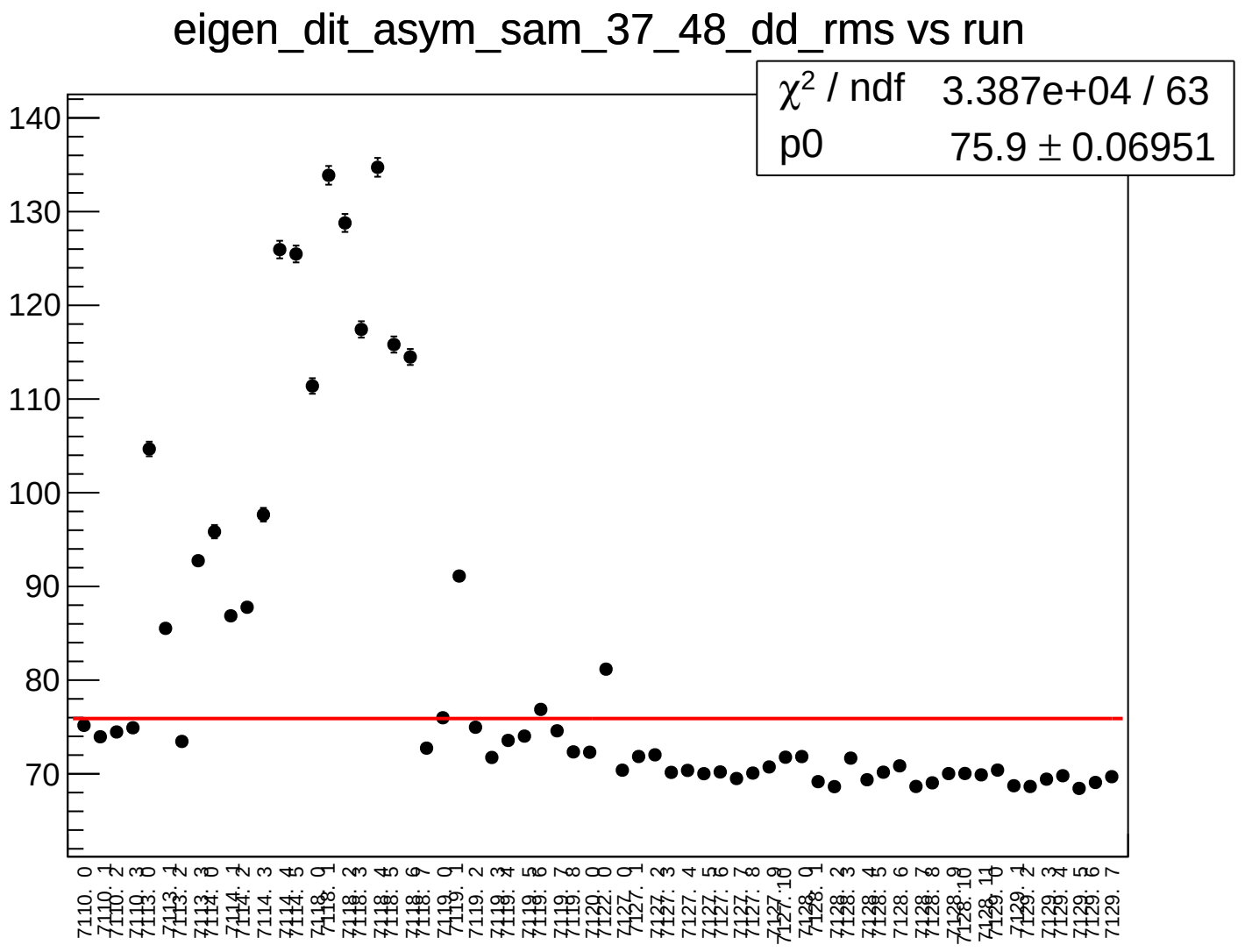

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3.387e+04 / 63
p0 75.9 ± 0.06951
140
130
120
110
100
90
80
70

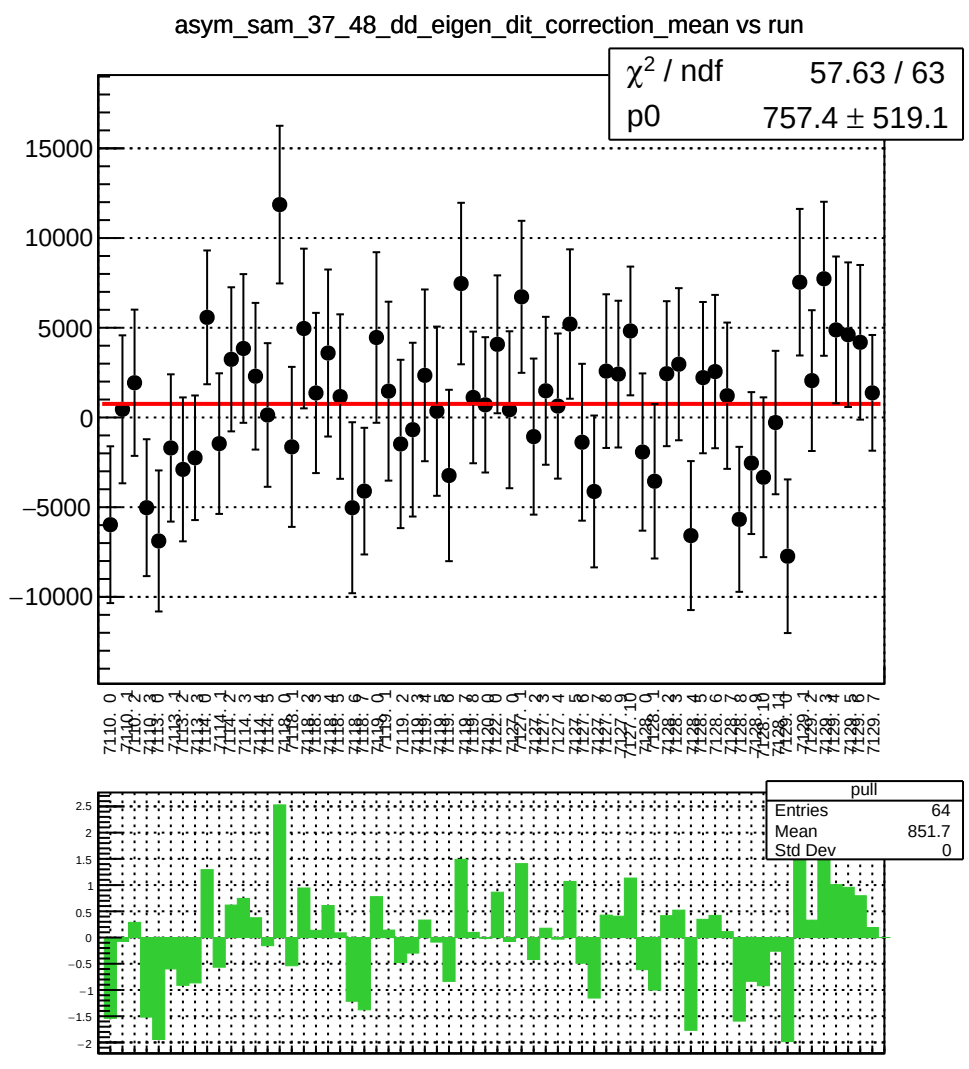

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 57.63 / 63
p0 757.4 ± 519.1
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 851.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

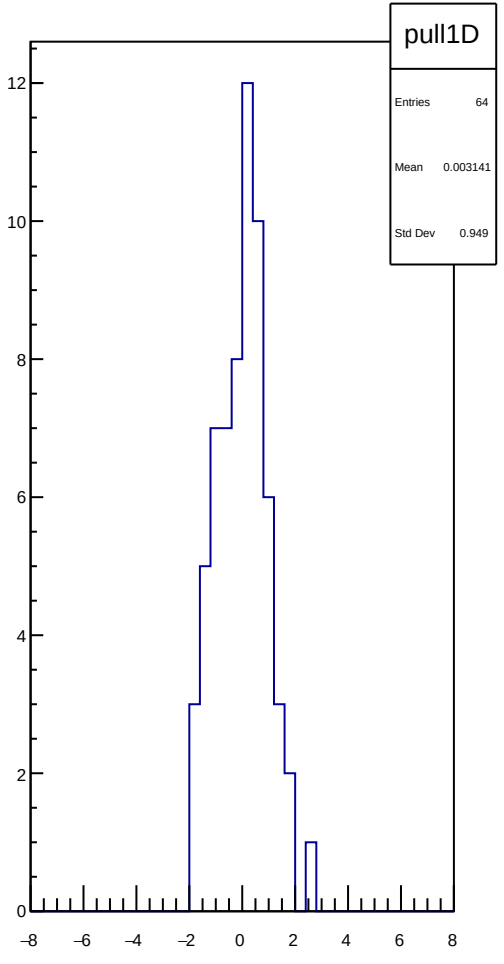

pull1D
Entries 64
Mean 0.003141
Std Dev 0.949
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

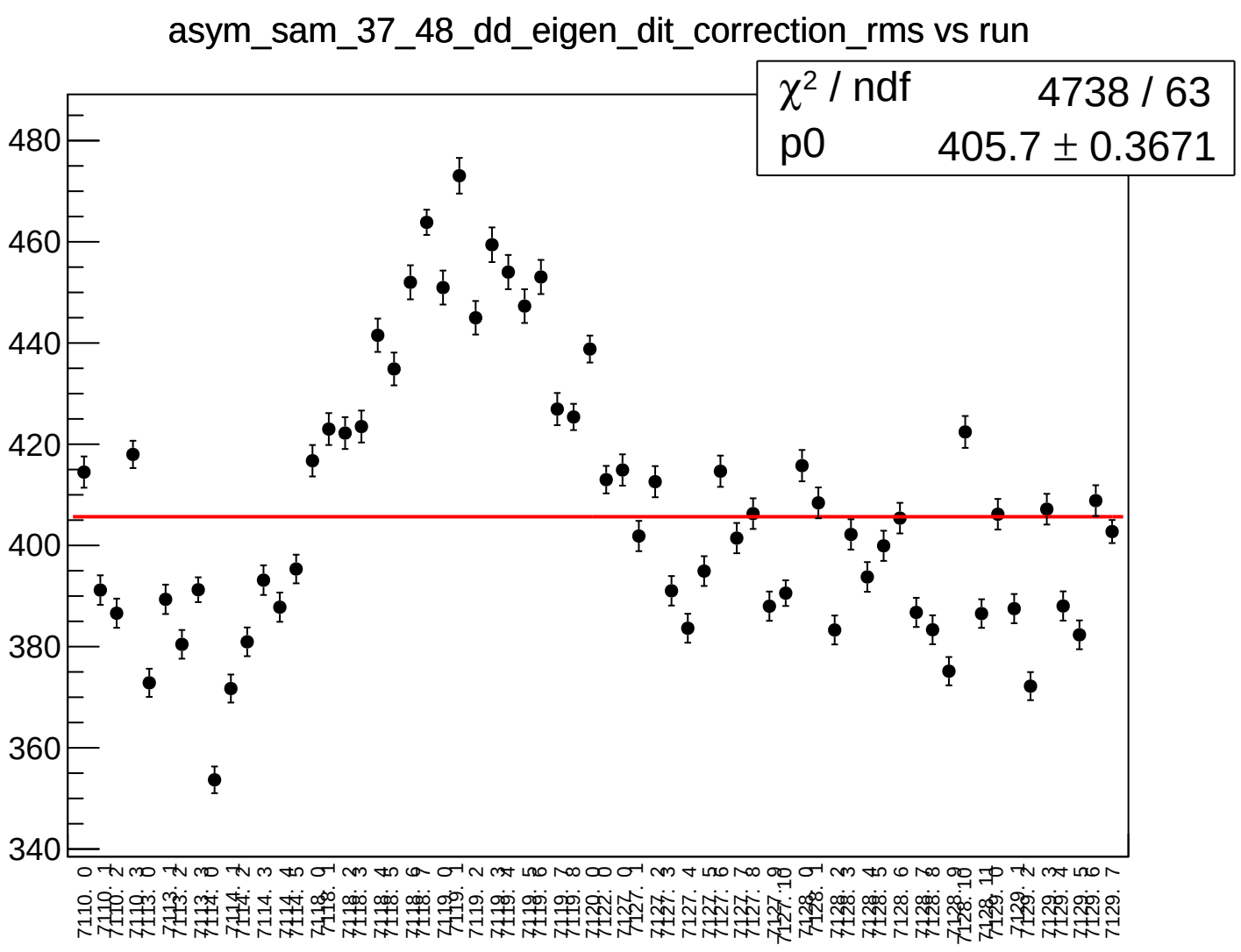

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 4738 / 63
p0 405.7 ± 0.3671
480
460
440
420
400
380
360
340

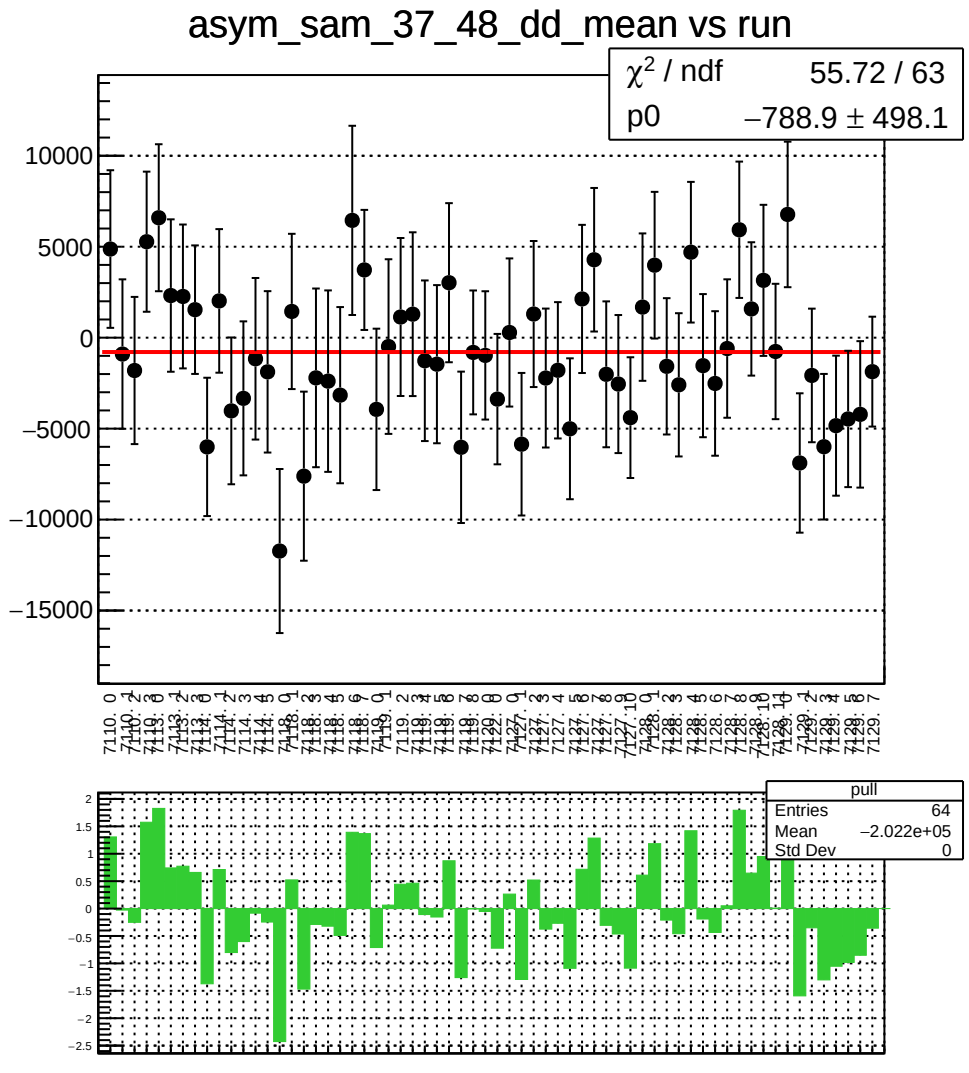

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 60.14 / 63
p0 17.97 ± 98.3
pull
Entries 64
Mean −140.6
Std Dev 0
pull1D
Entries 64
Mean −0.01075
Std Dev 0.9693

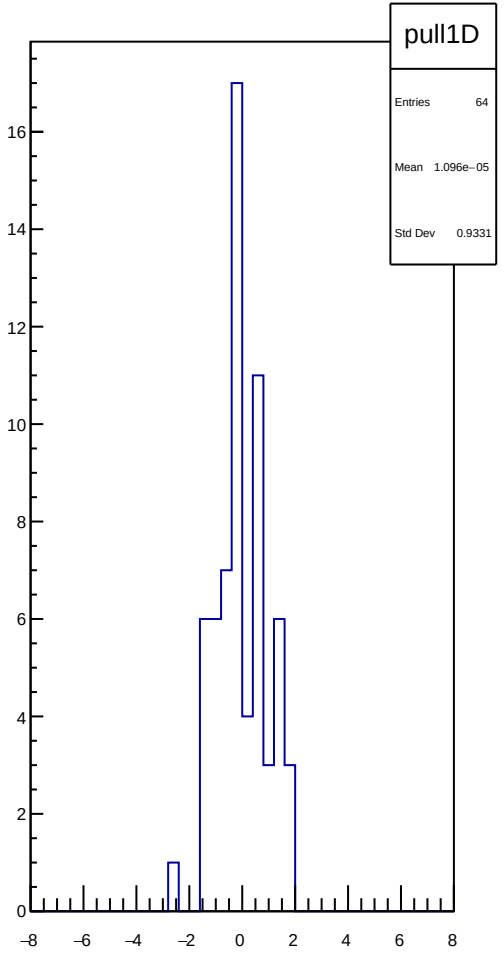

eigen_dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 3.387e+04 / 63
p0 75.9 ± 0.06951
140
130
120
110
100
90
80
70

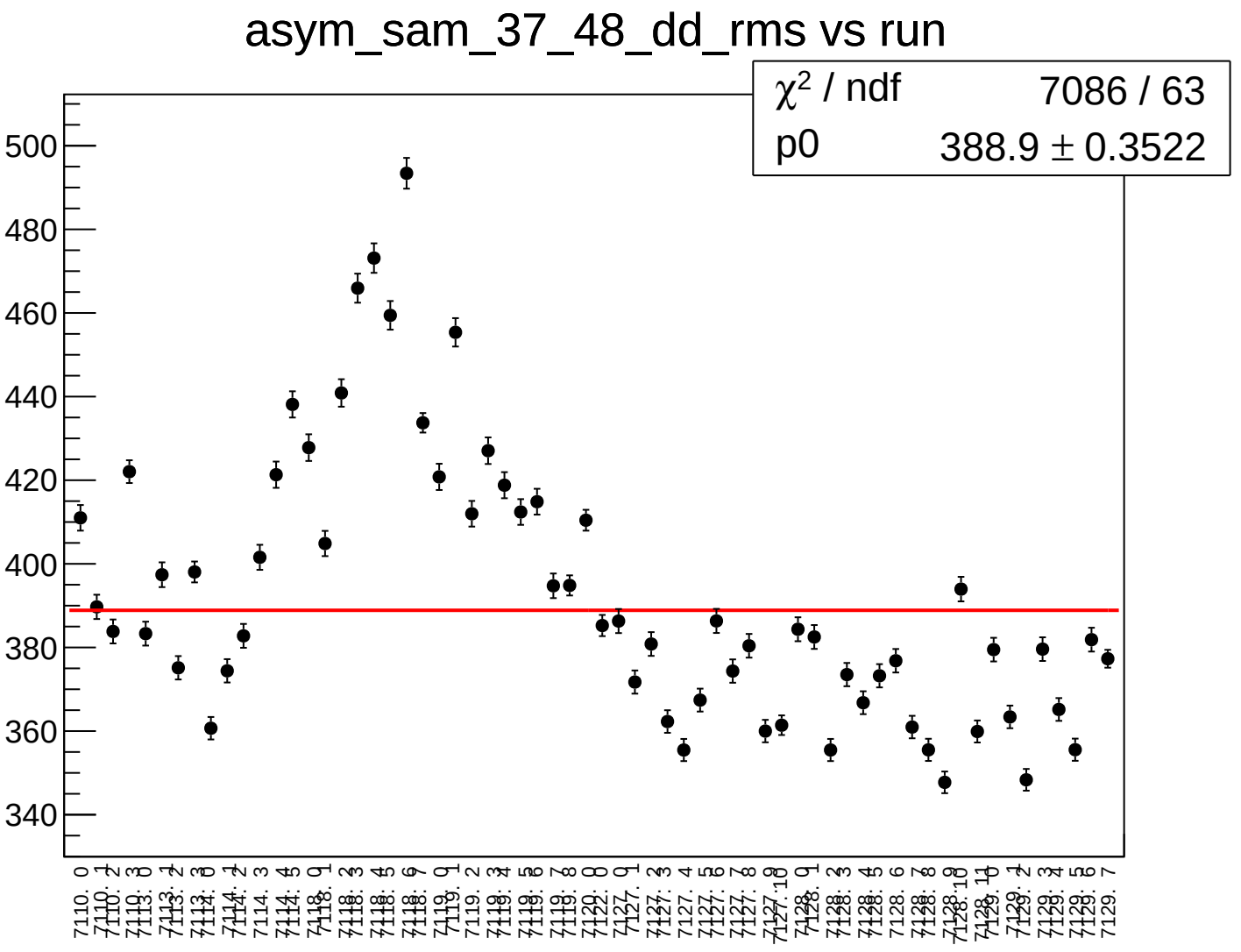

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.63 / 63
p0 757.4 ± 519.1
15000
10000
5000
0
−5000
−10000
pull
Entries 64
Mean 851.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

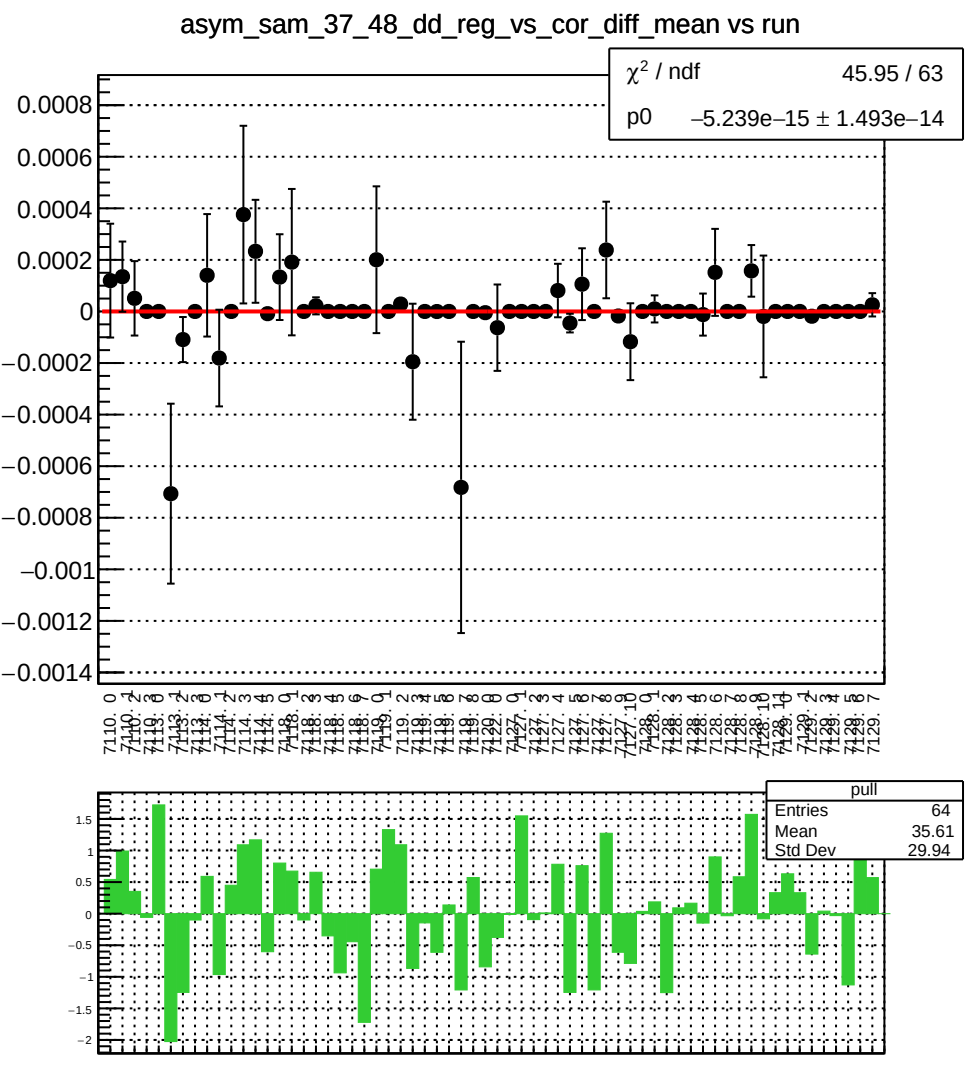

pull1D
Entries 64
Mean 0.003141
Std Dev 0.949
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

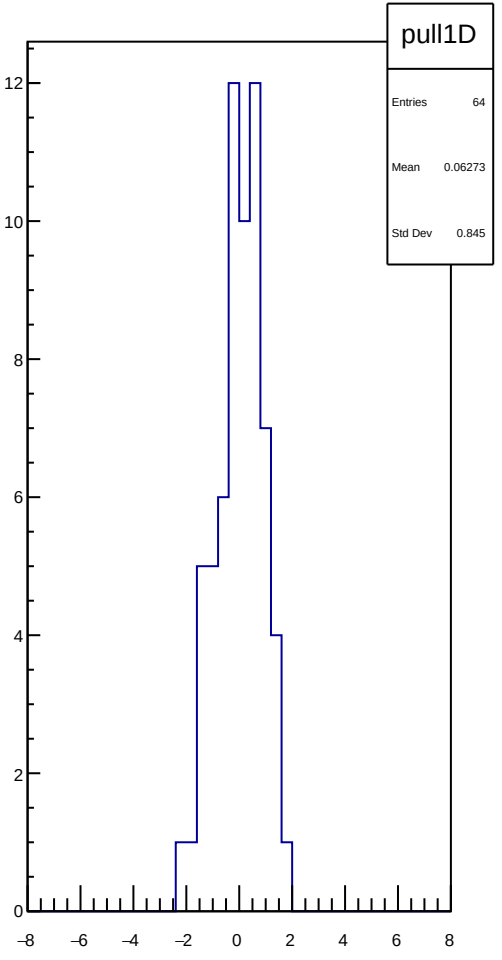

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4738 / 63
p0 405.7 ± 0.3671
480
460
440
420
400
380
360
340

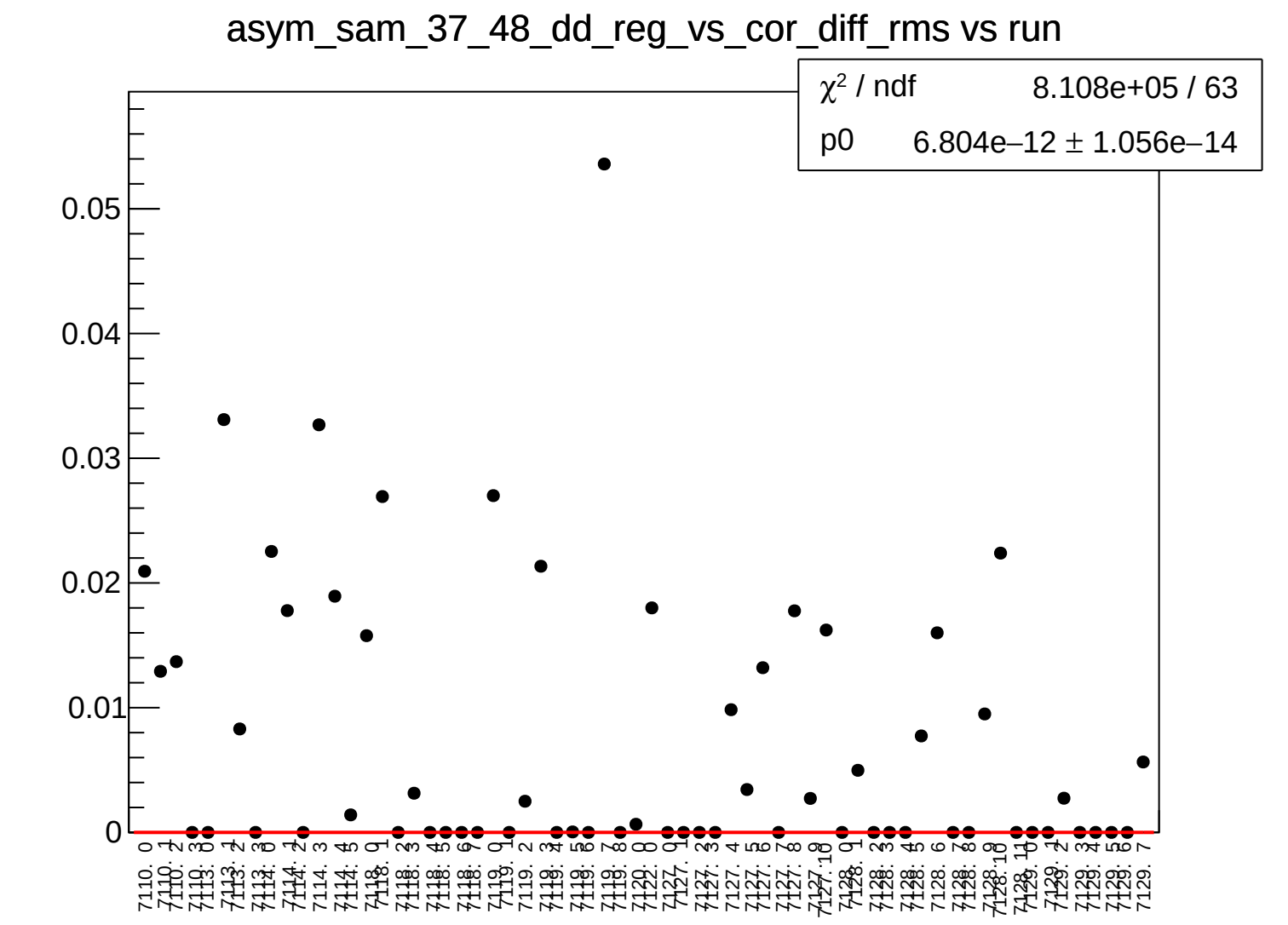

asym_sam_37_48_dd_mean vs run
χ² / ndf 55.72 / 63
p0 −788.9 ± 498.1
pull
Entries 64
Mean −2.022e+05
Std Dev 0

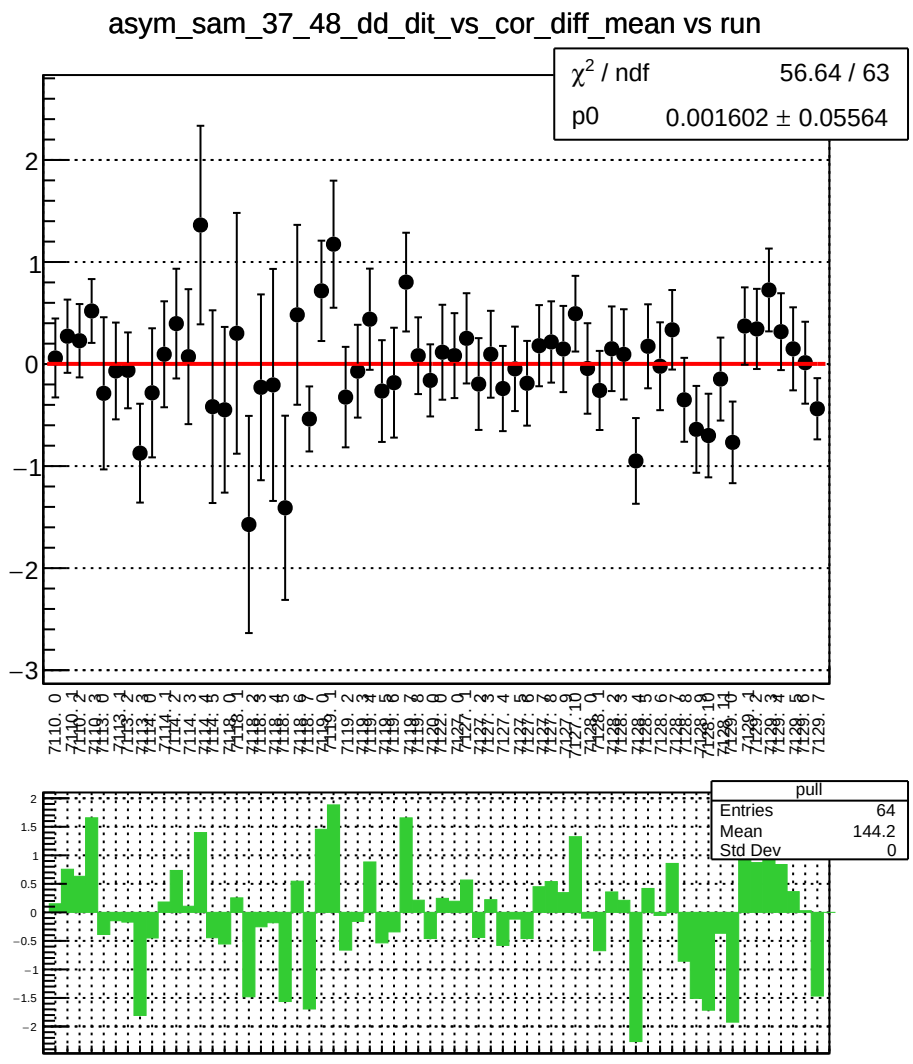

pull1D
Entries 64
Mean 1.096e−05
Std Dev 0.9331

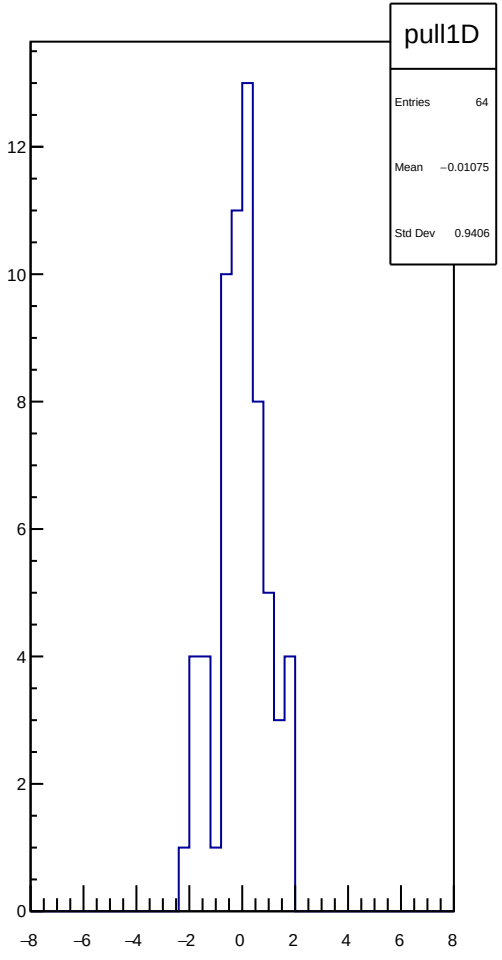

asym_sam_37_48_dd_rms vs run
χ² / ndf 7086 / 63
p0 388.9 ± 0.3522
500
480
460
440
420
400
380
360
340

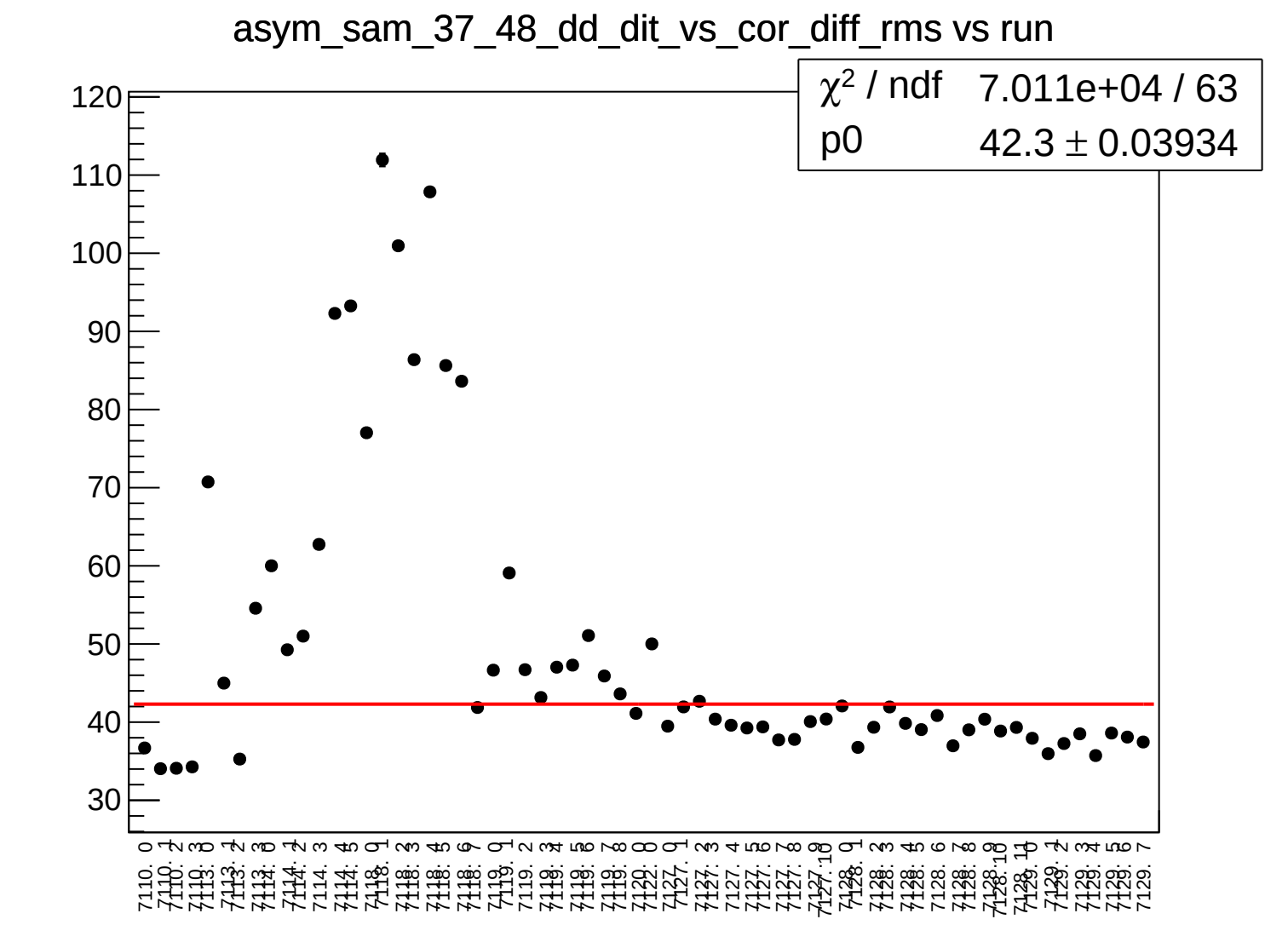

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.95 / 63
p0 −5.239e−15 ± 1.493e−14
pull
Entries 64
Mean 35.61
Std Dev 29.94

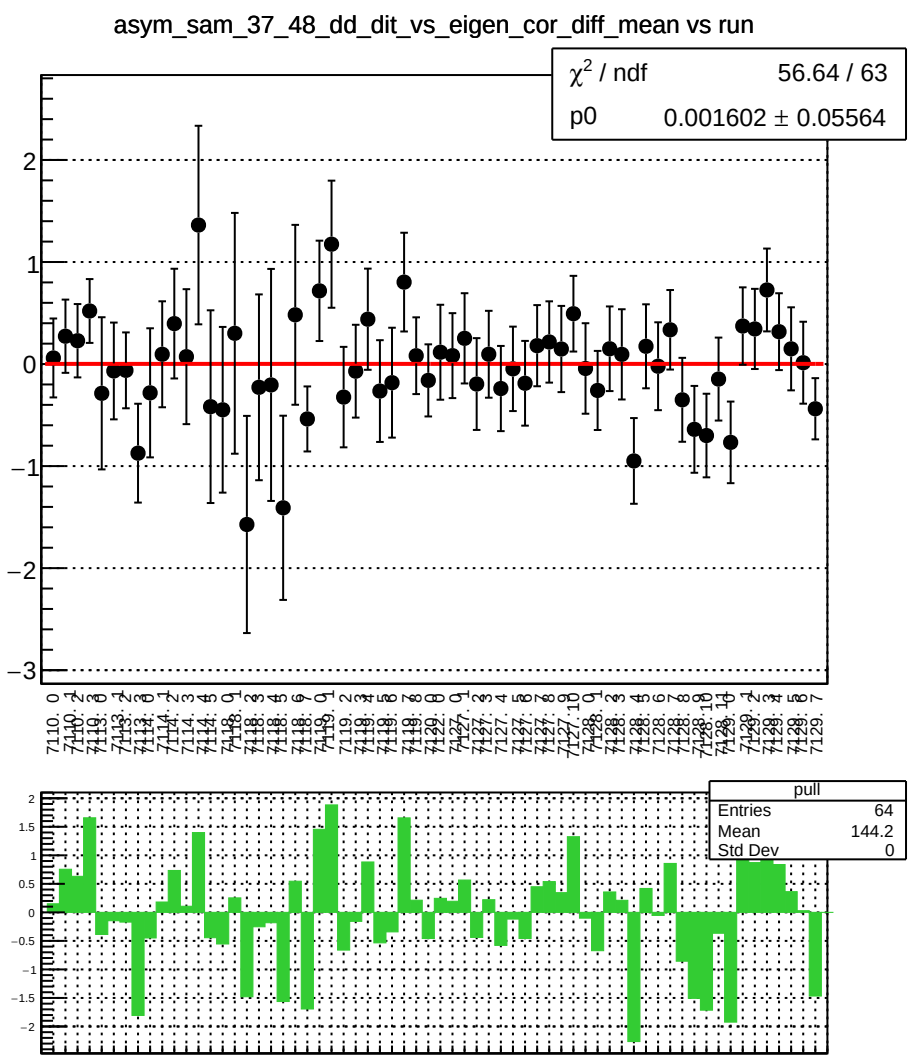

pull1D
Entries 64
Mean 0.06273
Std Dev 0.845

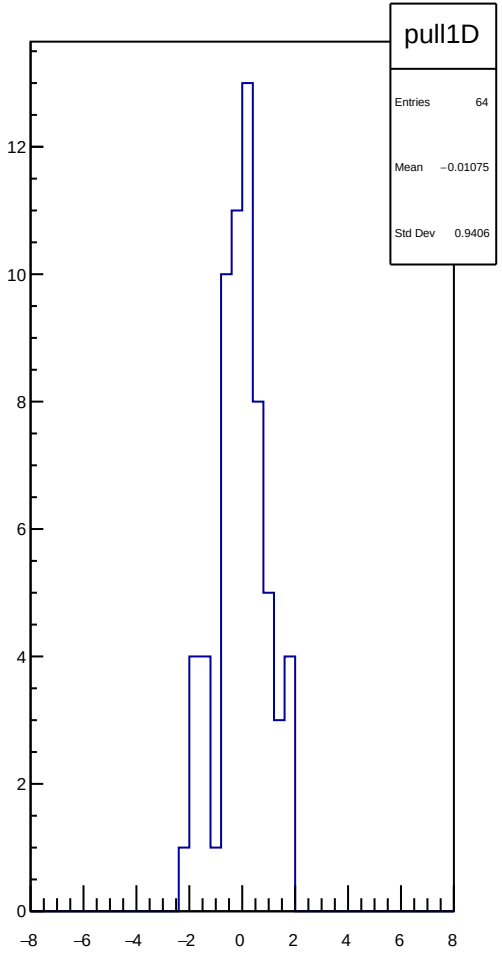

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.108e+05 / 63
p0 6.804e−12 ± 1.056e−14
0.05
0.04
0.03
0.02
0.01
0

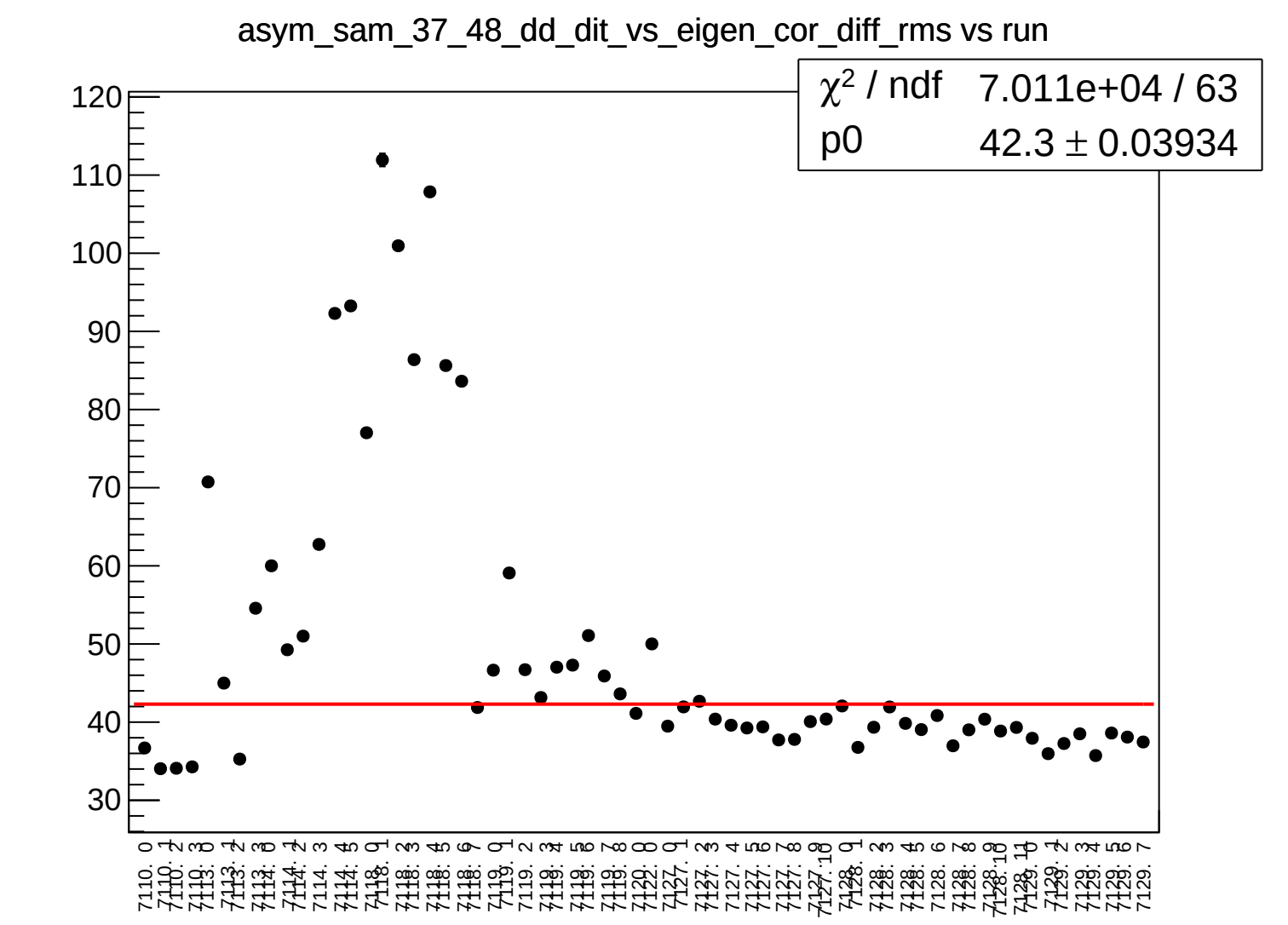

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.64 / 63
p0 0.001602 ± 0.05564
pull
Entries 64
Mean 144.2
Std Dev 0

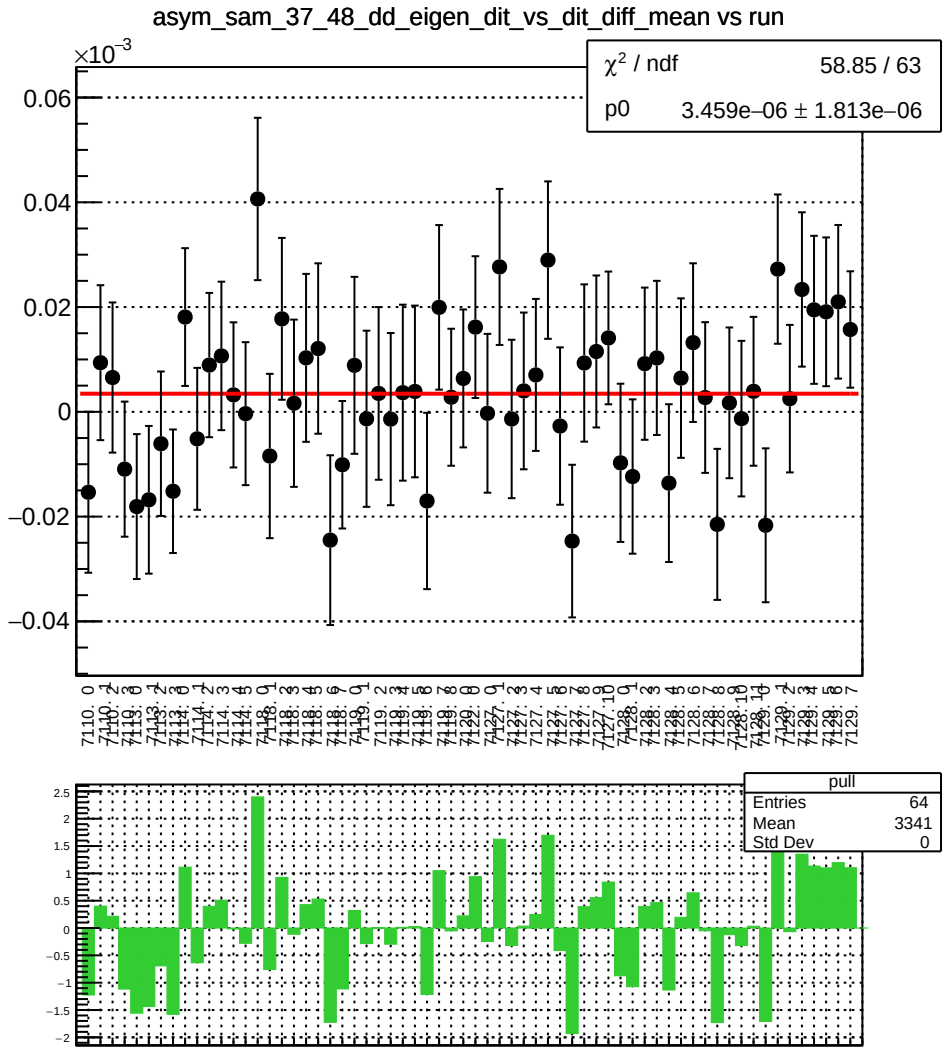

pull1D
Entries 64
Mean −0.01075
Std Dev 0.9406

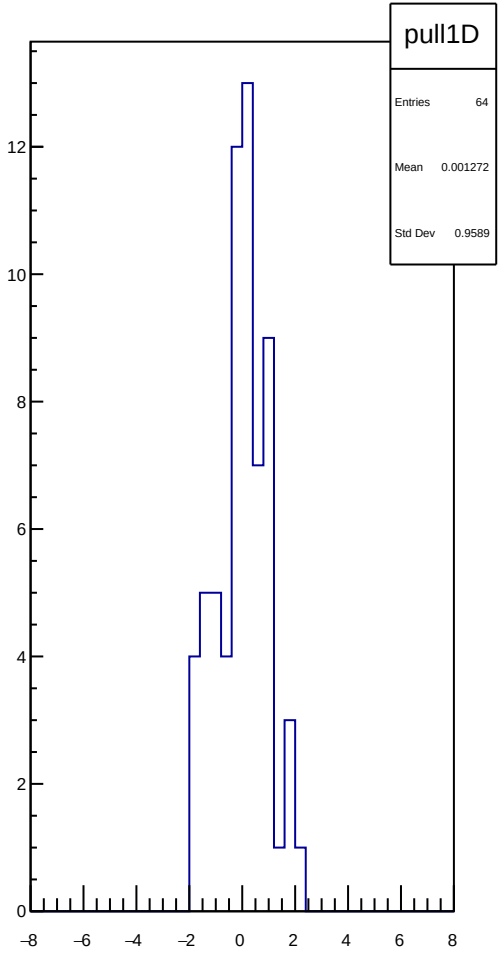

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.011e+04 / 63
p0 42.3 ± 0.03934
120
110
100
90
80
70
60
50
40
30

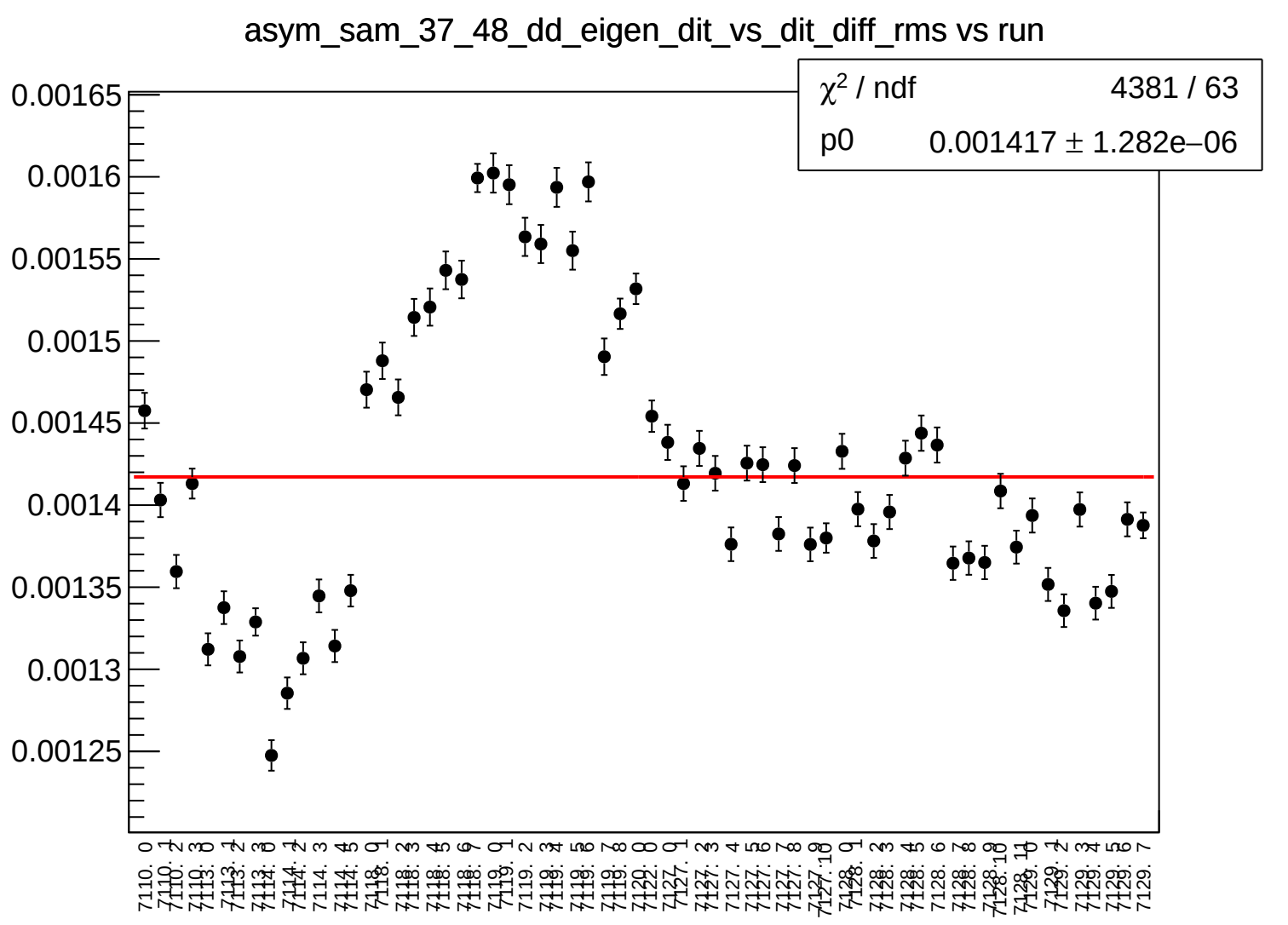

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.64 / 63
p0 0.001602 ± 0.05564
pull
Entries 64
Mean 144.2
Std Dev 0


pull1D
Entries 64
Mean −0.01075
Std Dev 0.9406

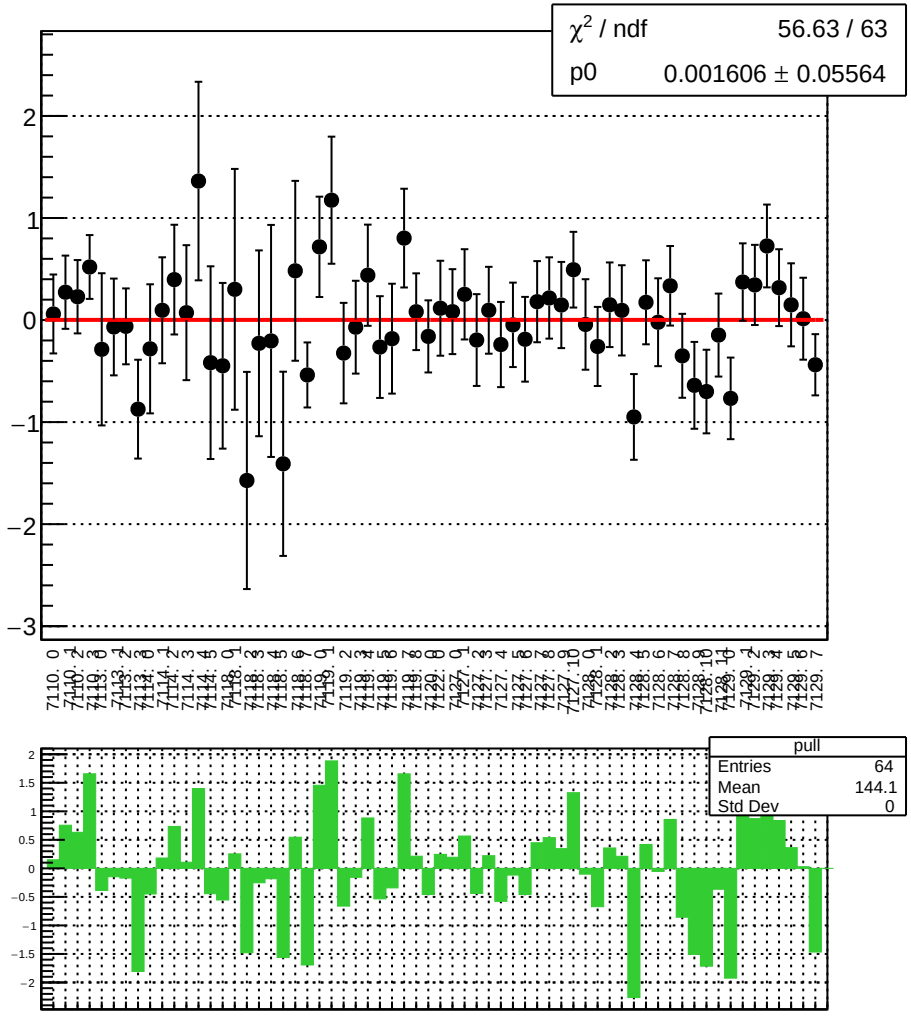

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.011e+04 / 63
p0 42.3 ± 0.03934
120
110
100
90
80
70
60
50
40
30

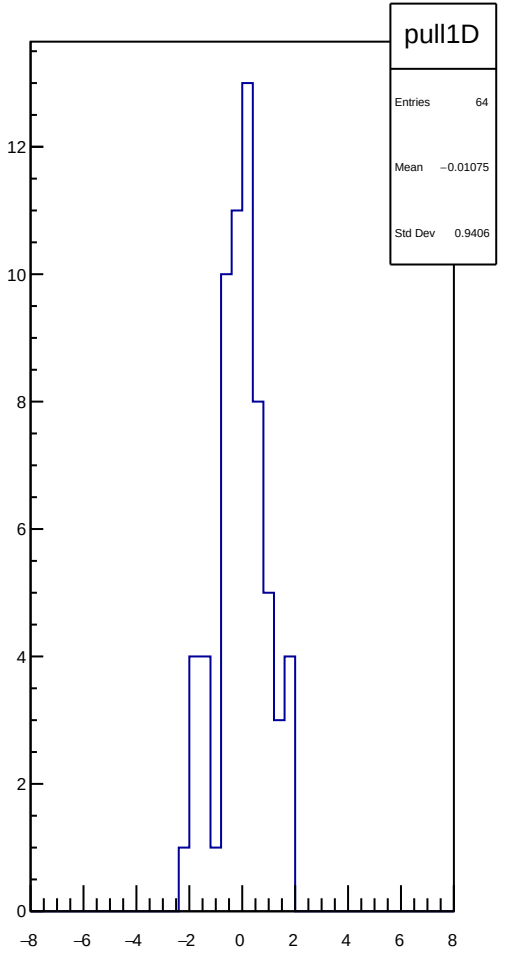

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.85 / 63
p0 3.459e−06 ± 1.813e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 64
Mean 3341
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

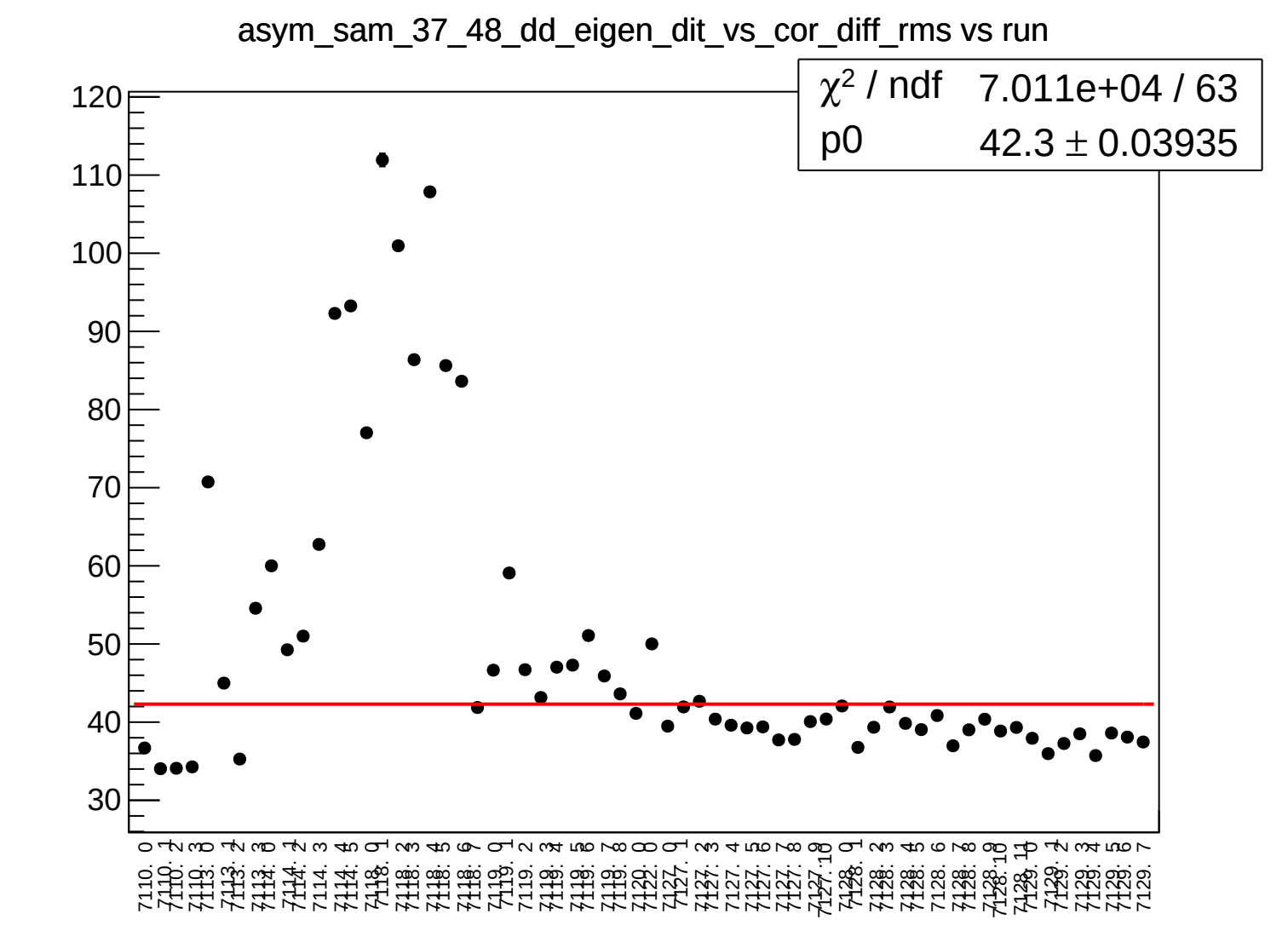

pull1D
Entries 64
Mean 0.001272
Std Dev 0.9589
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

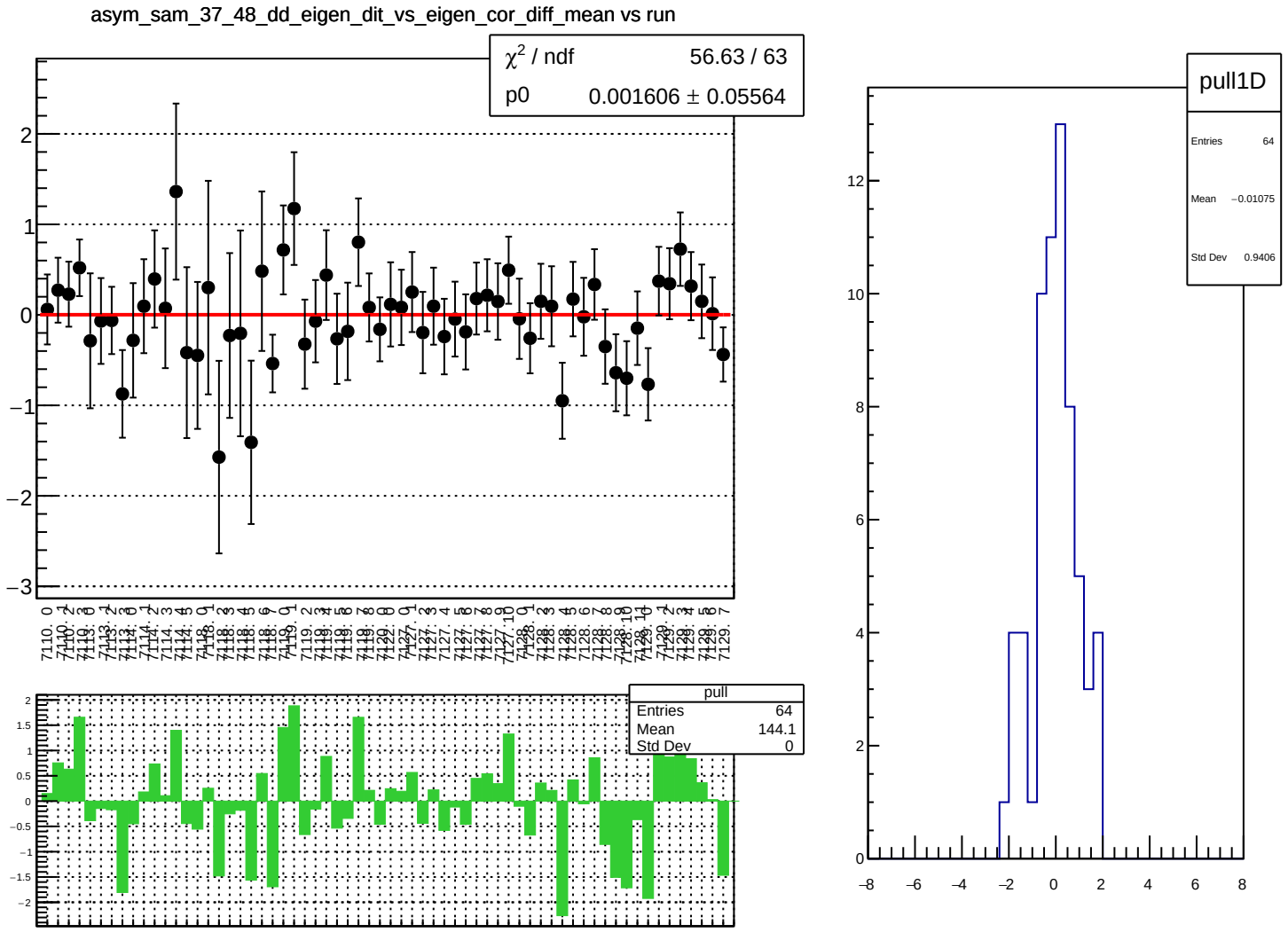

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4381 / 63
p0 0.001417 ± 1.282e−06
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125

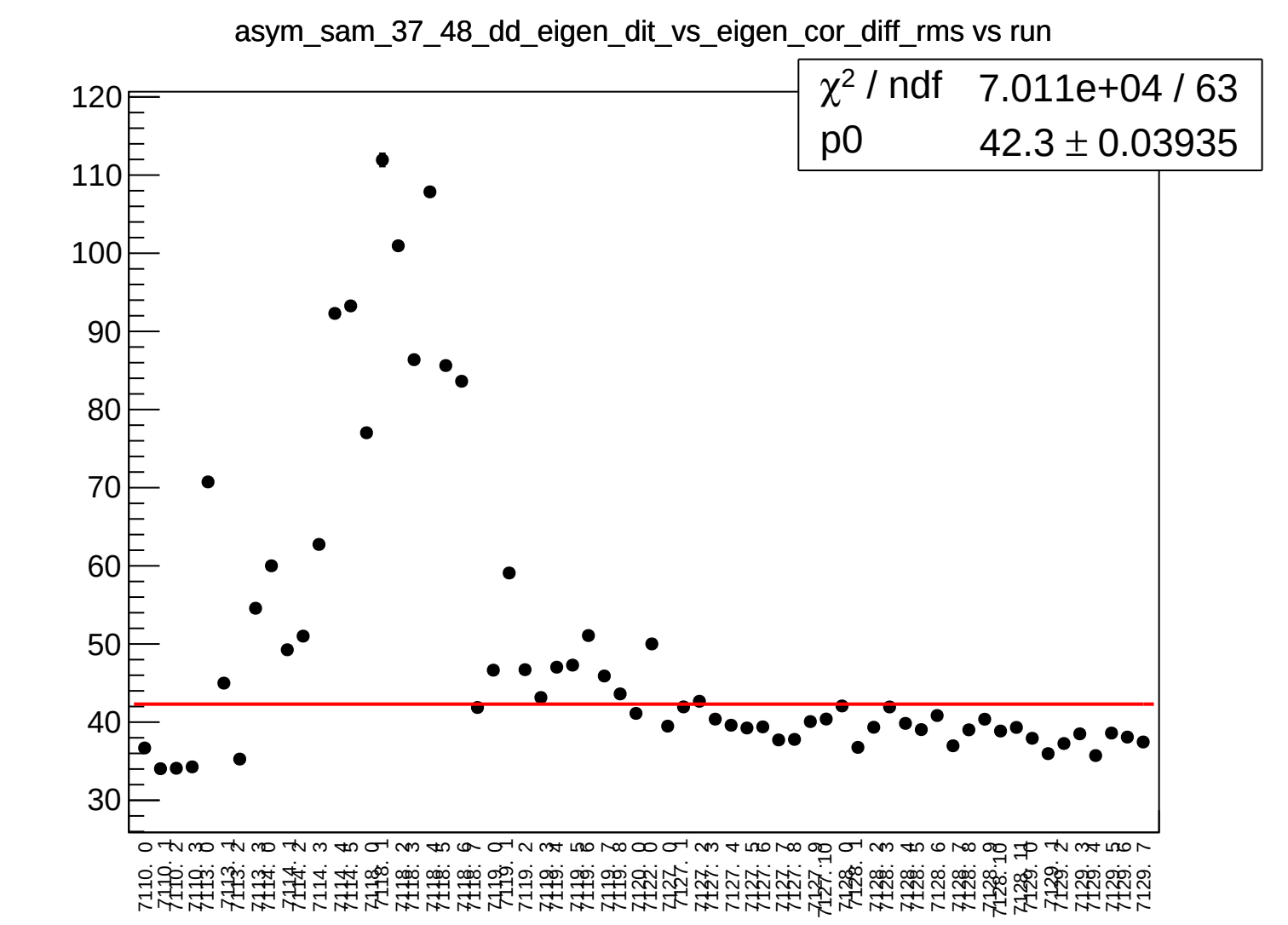
asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run

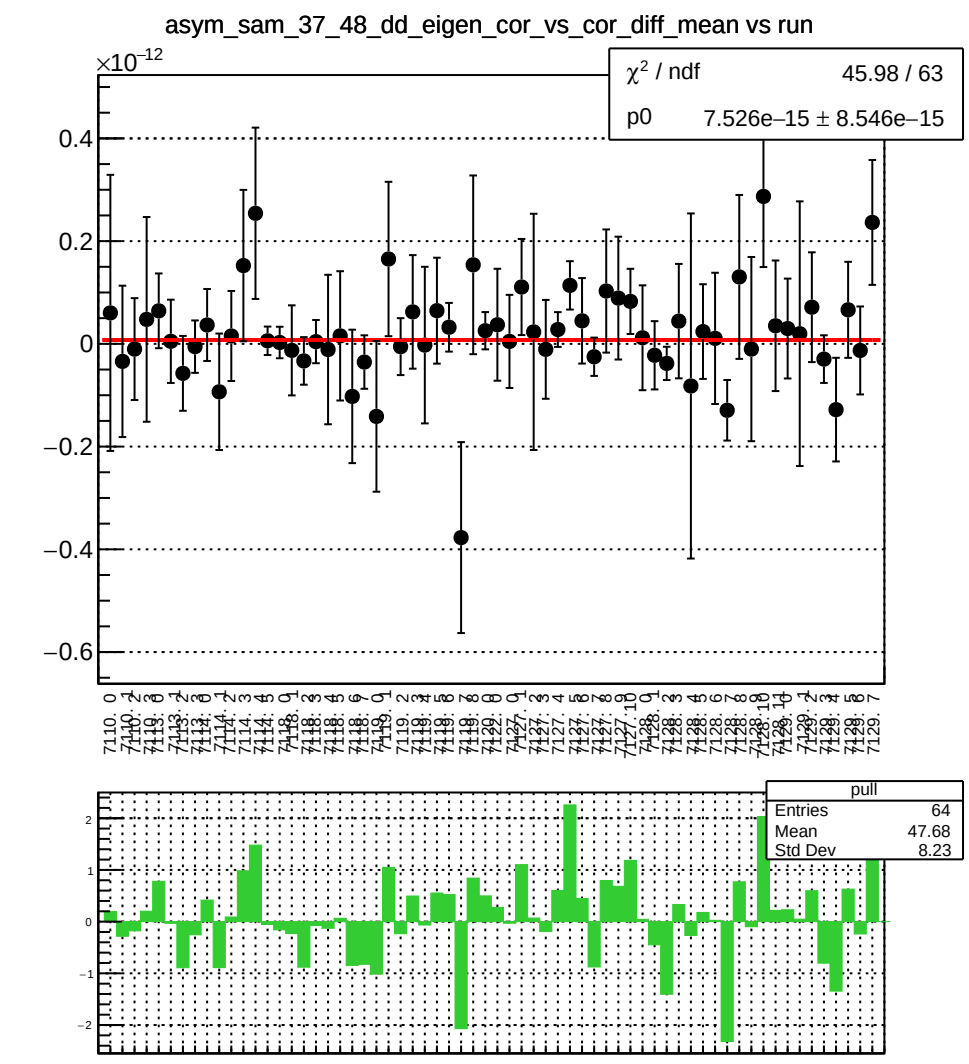


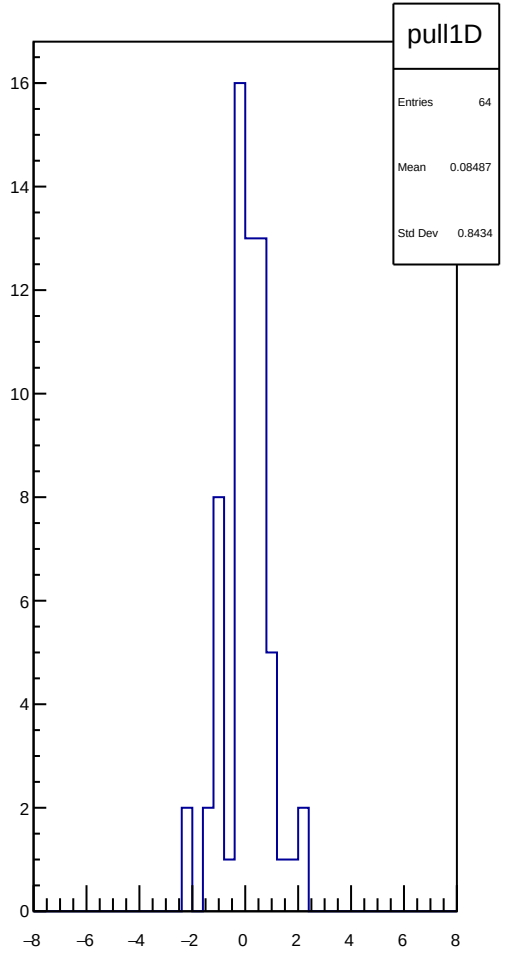


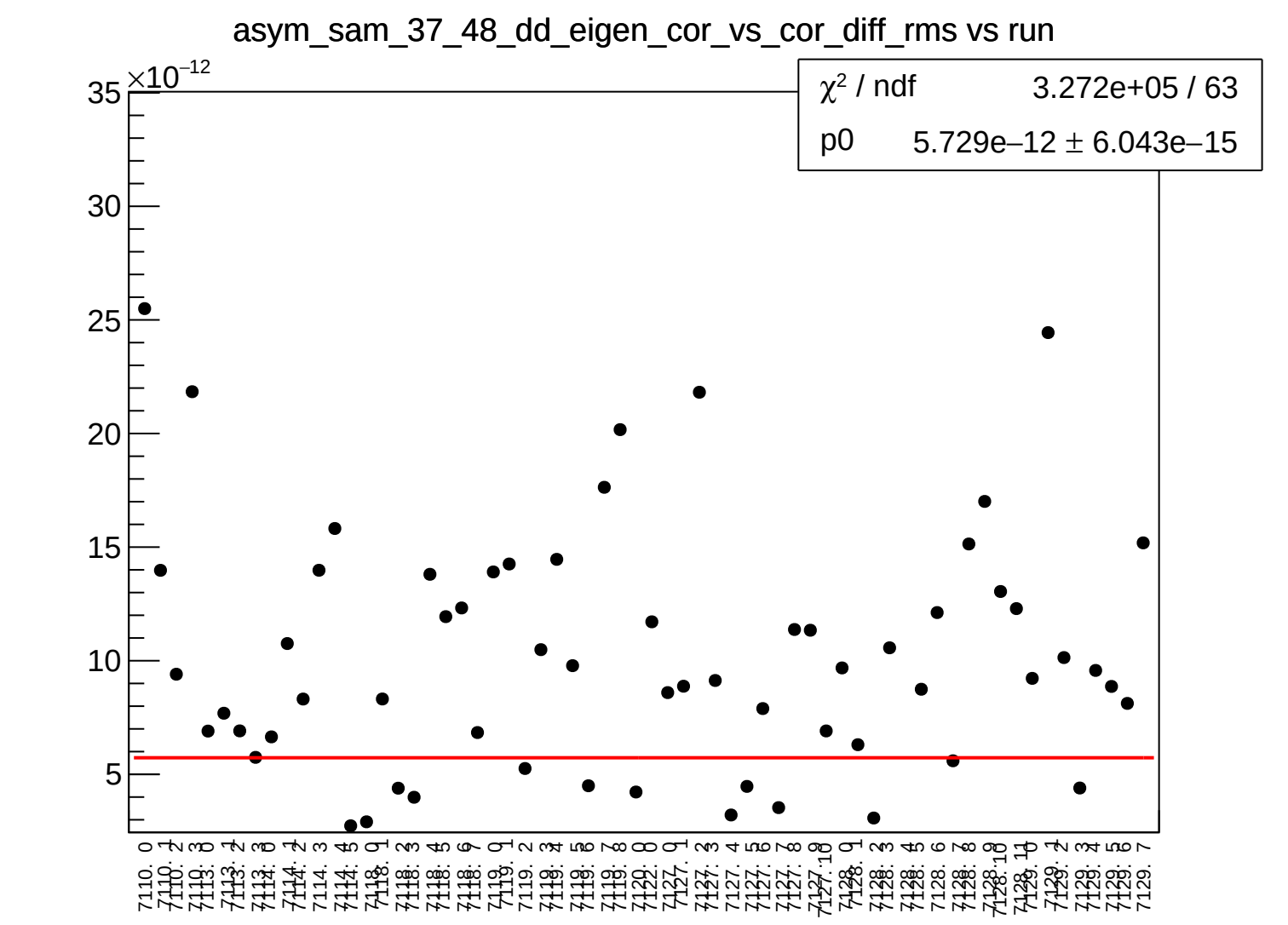

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.011e+04 / 63
p0 42.3 ± 0.03935
120
110
100
90
80
70
60
50
40
30

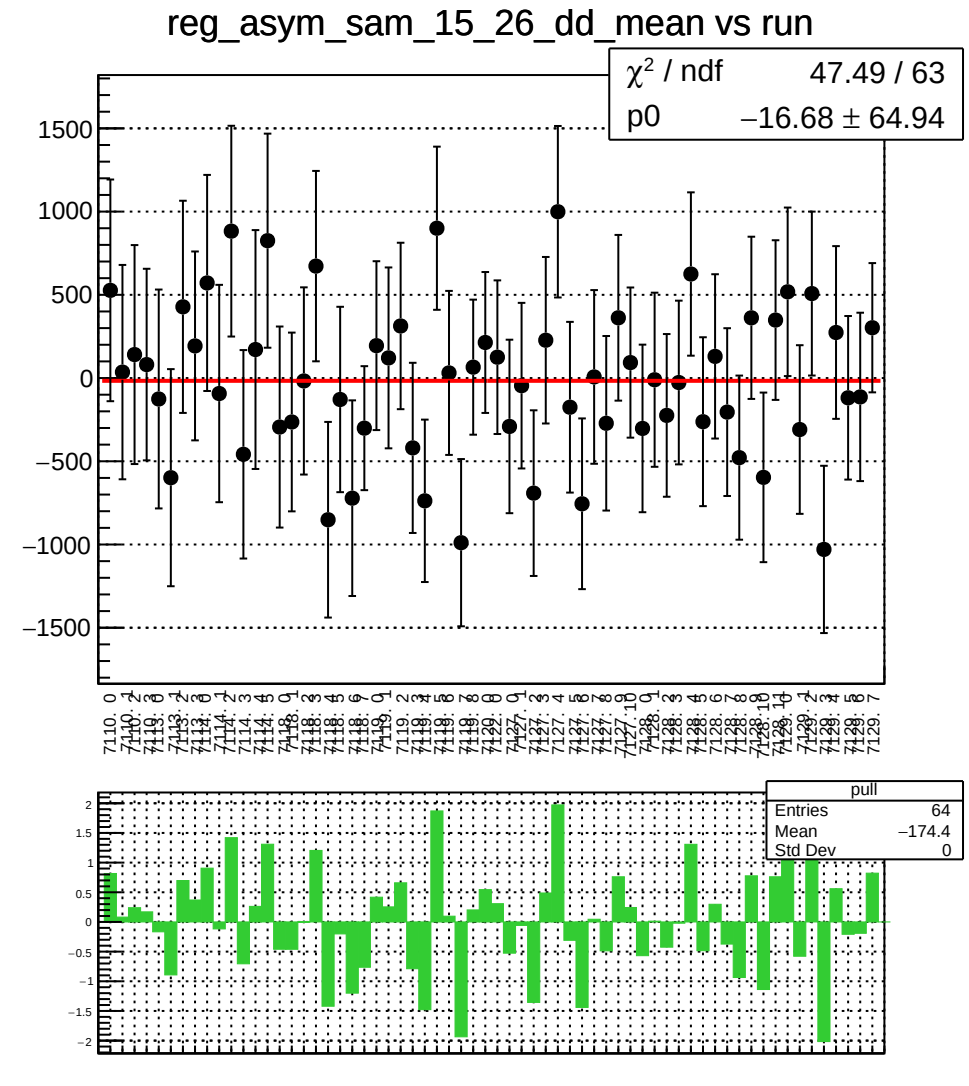

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.63 / 63
p0 0.001606 ± 0.05564
pull
Entries 64
Mean 144.1
Std Dev 0
pull1D
Entries 64
Mean −0.01075
Std Dev 0.9406

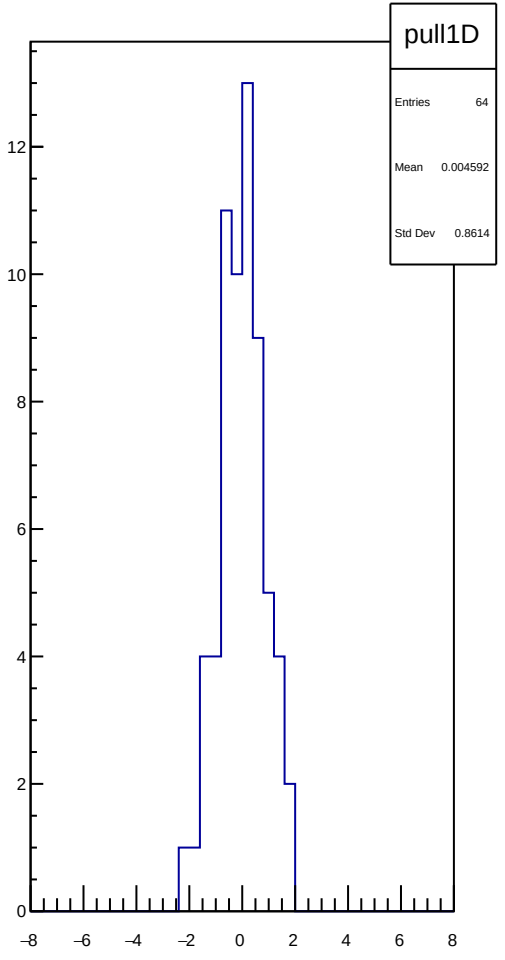

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.011e+04 / 63
p0 42.3 ± 0.03935
120
110
100
90
80
70
60
50
40
30

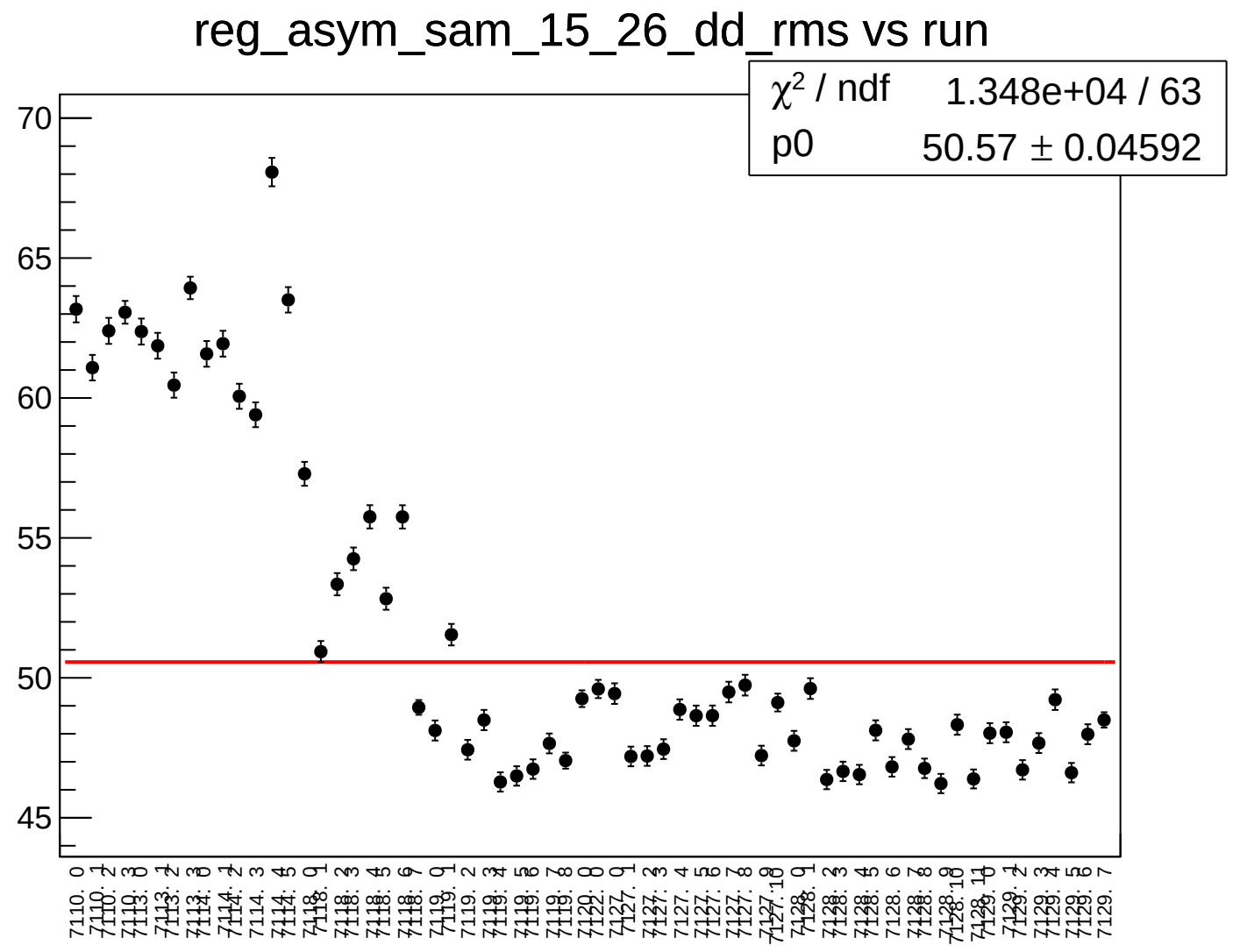

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.98 / 63
p0 7.526e−15 ± 8.546e−15
pull
Entries 64
Mean 47.68
Std Dev 8.23

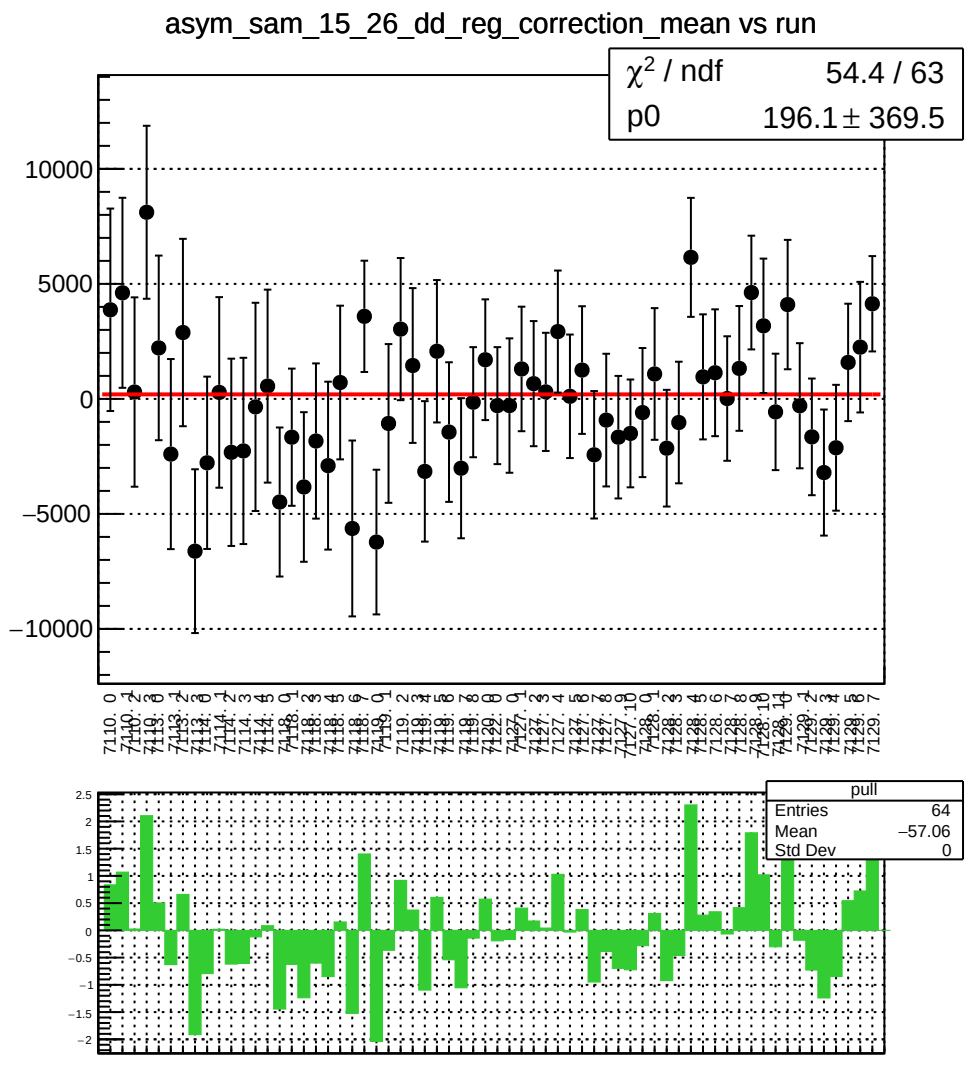

pull1D
Entries 64
Mean 0.08487
Std Dev 0.8434

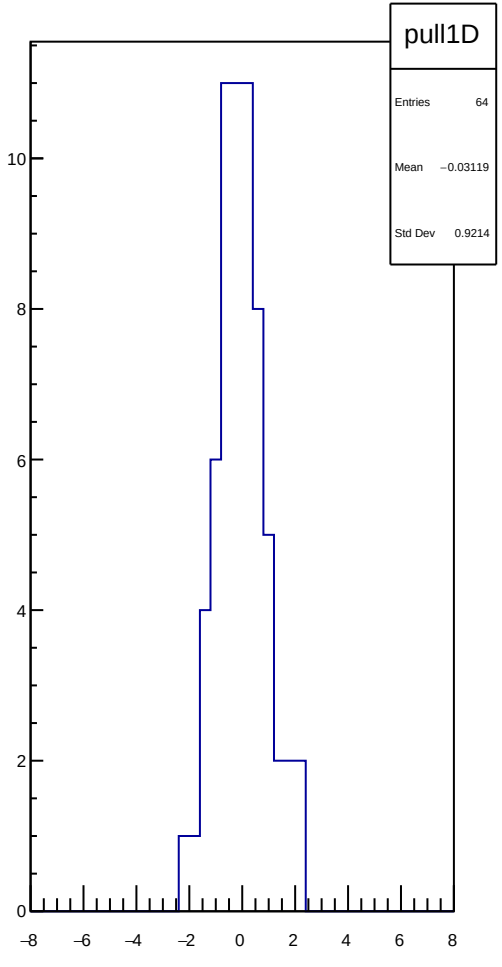

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
35
30
25
20
15
10
5
χ² / ndf 3.272e+05 / 63
p0 5.729e−12 ± 6.043e−15

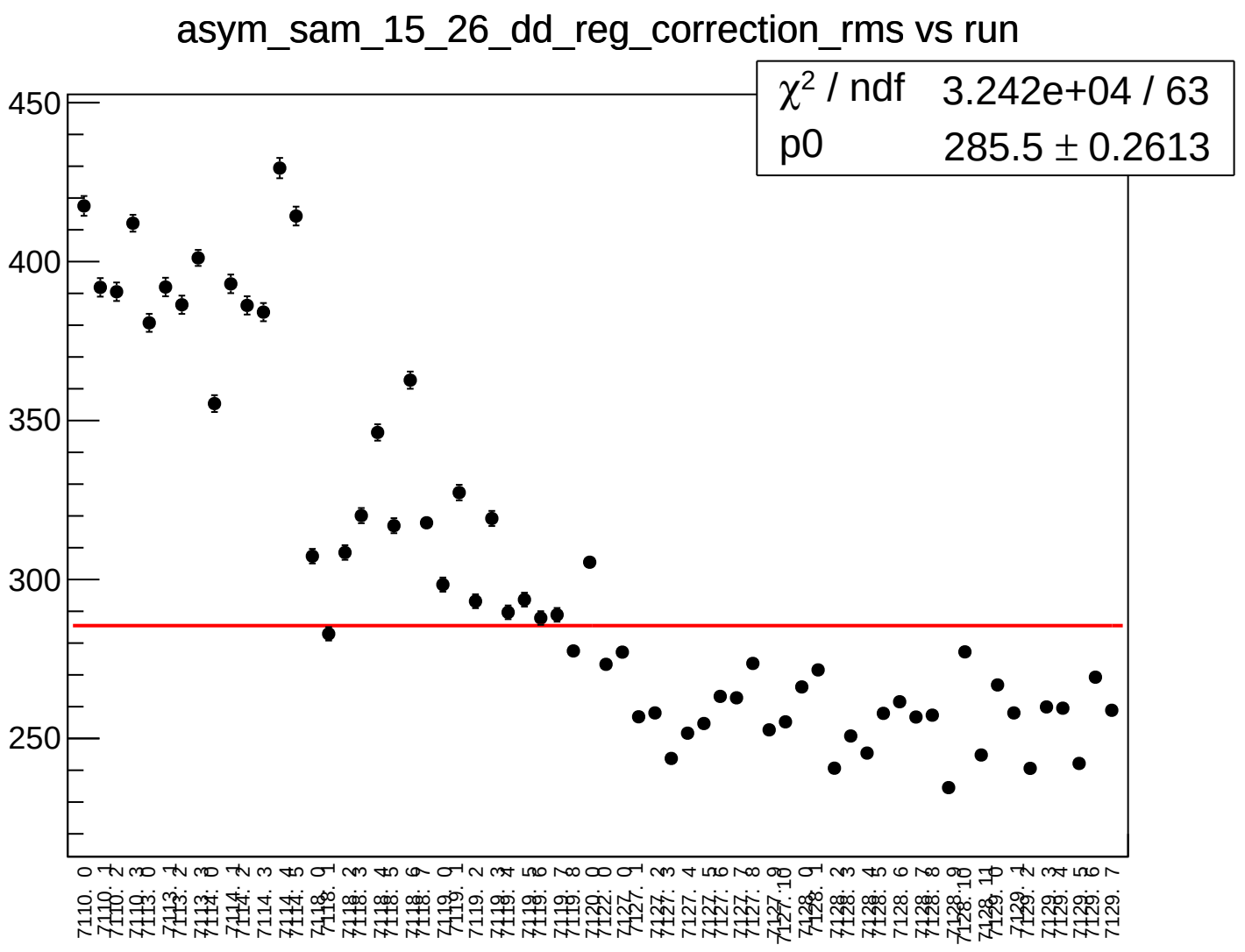

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 47.49 / 63
p0 −16.68 ± 64.94
pull
Entries 64
Mean −174.4
Std Dev 0

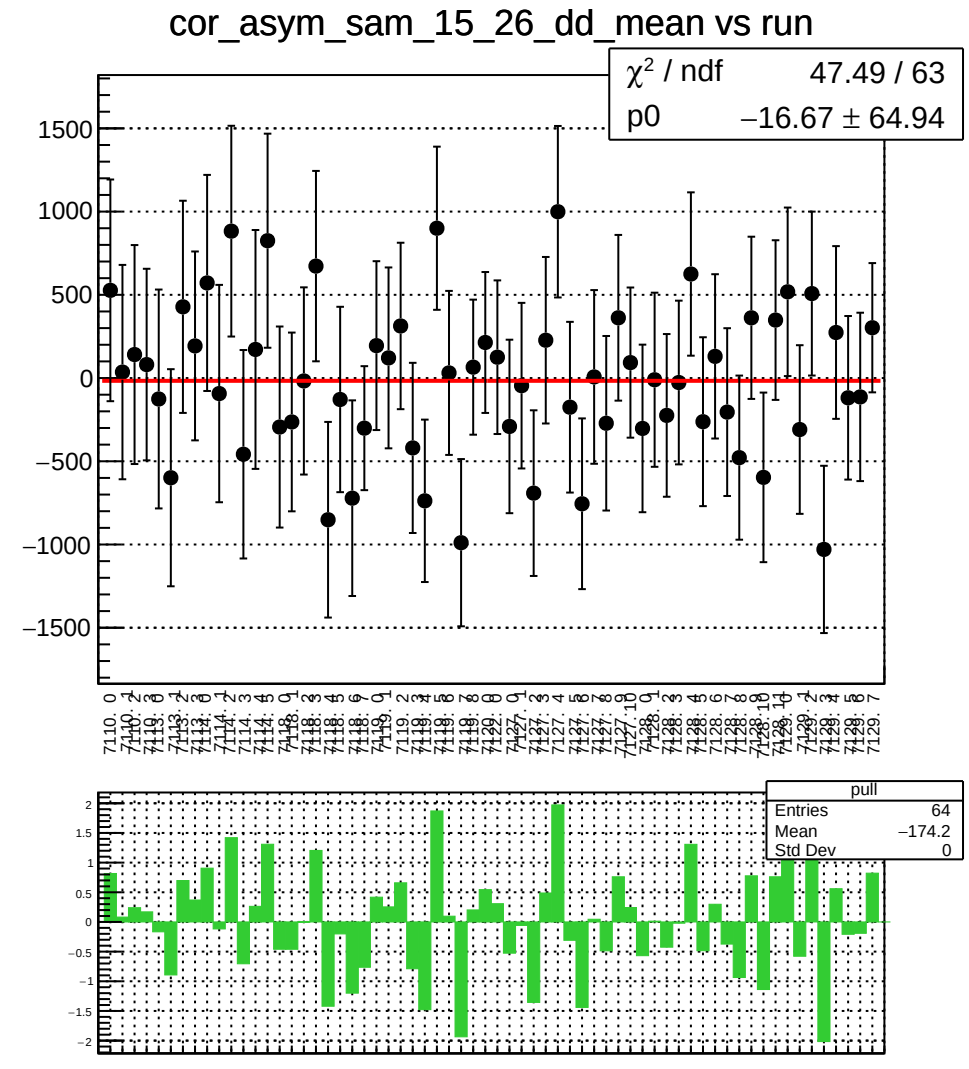

pull1D
Entries 64
Mean 0.004592
Std Dev 0.8614

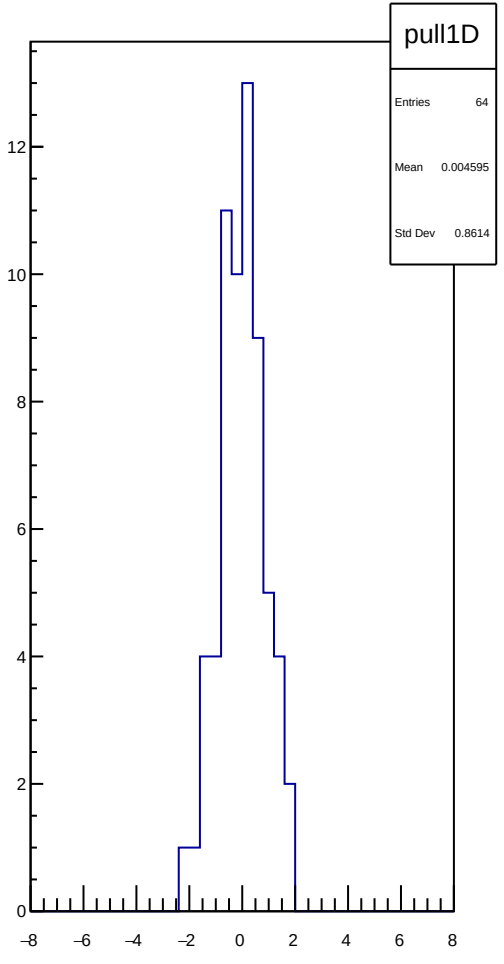

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.348e+04 / 63
p0 50.57 ± 0.04592
70
65
60
55
50
45

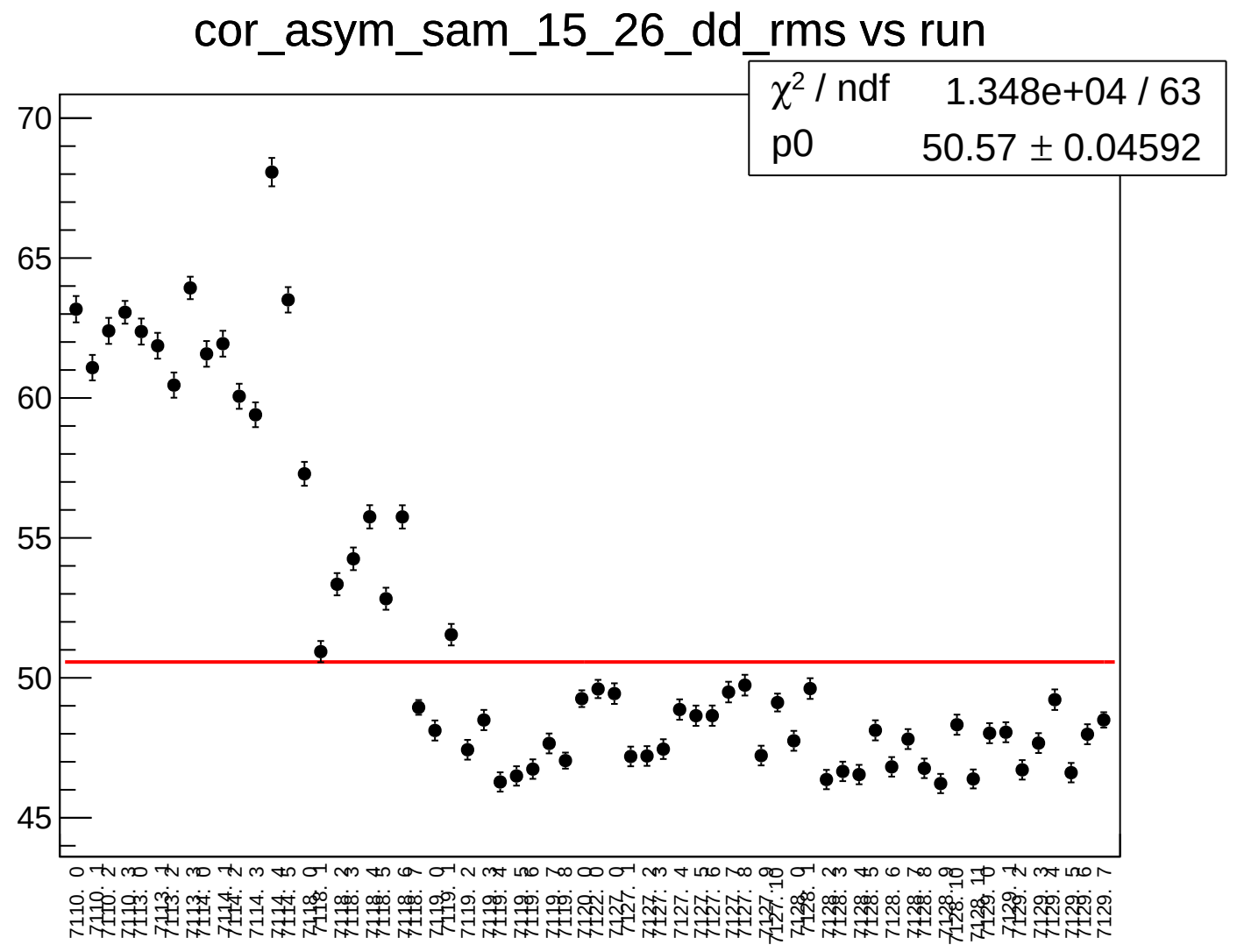

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 54.4 / 63
p0 196.1 ± 369.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −57.06
Std Dev 0

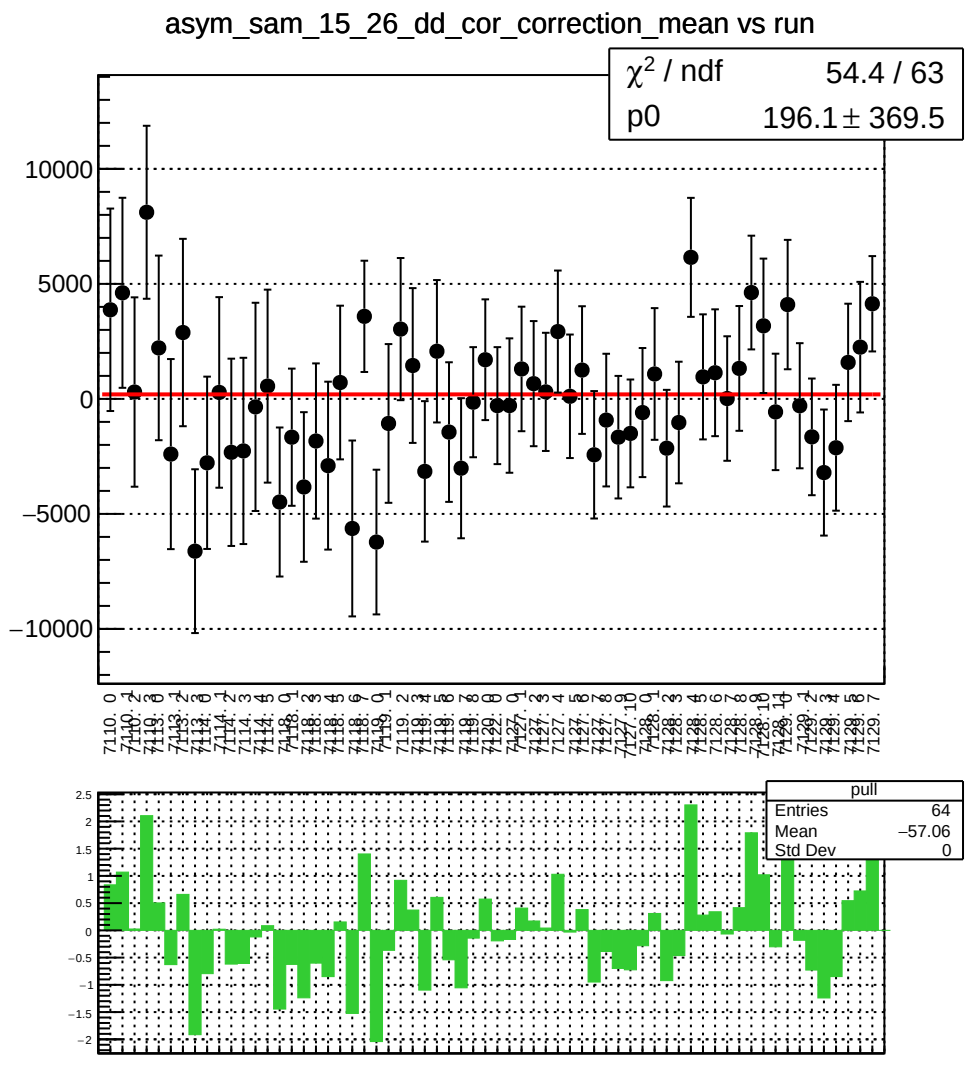

pull1D
Entries 64
Mean −0.03119
Std Dev 0.9214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

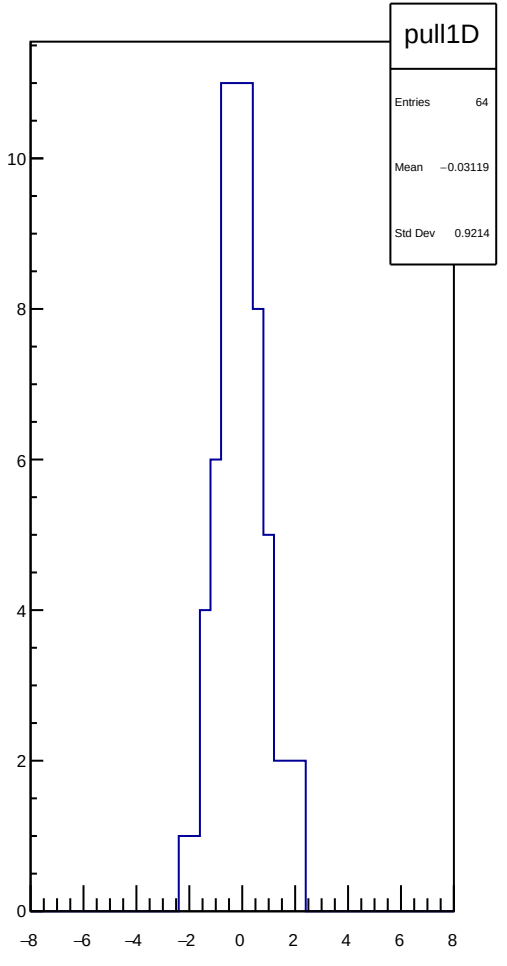

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 3.242e+04 / 63
p0 285.5 ± 0.2613
450
400
350
300
250

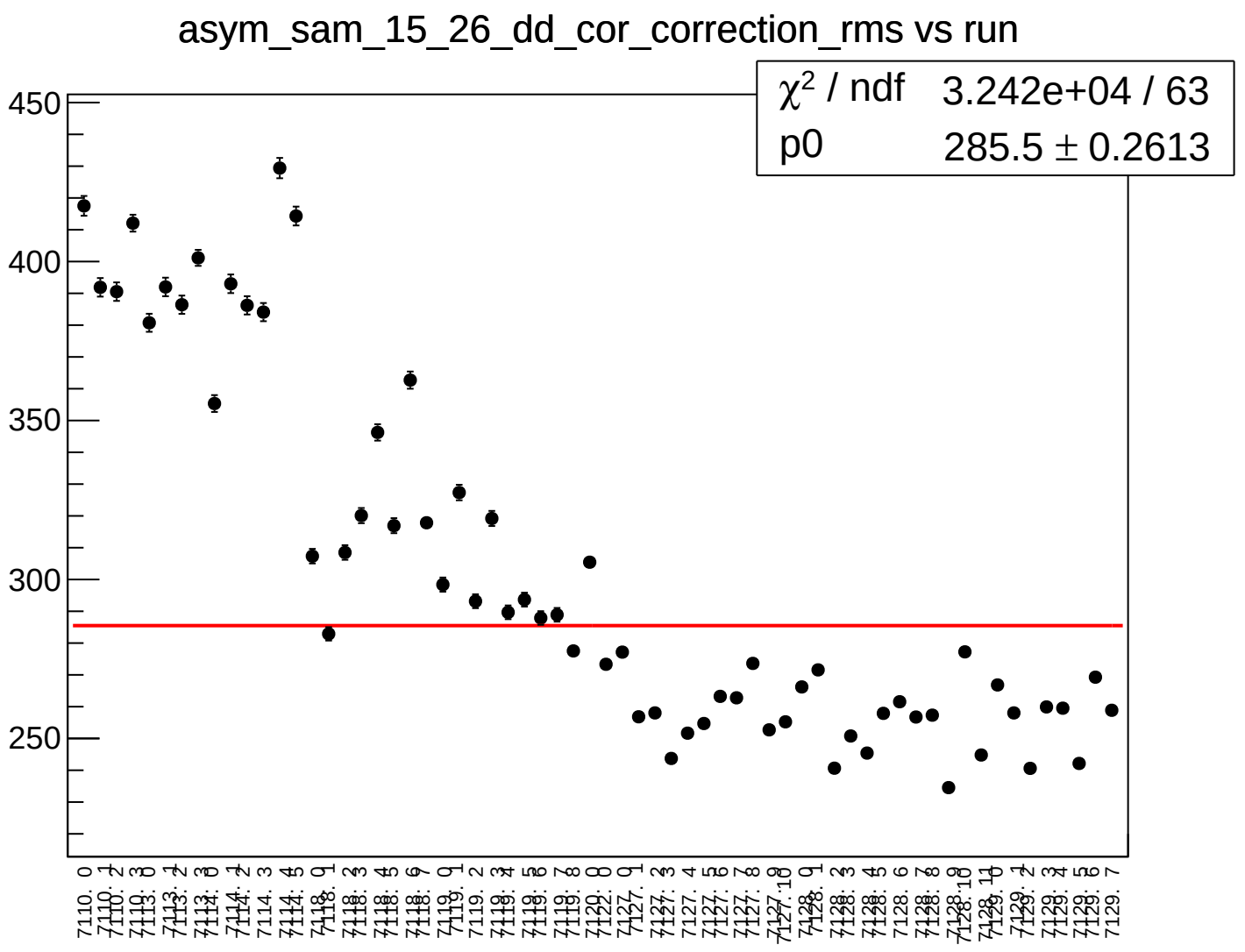

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 47.49 / 63
p0 −16.67 ± 64.94
pull
Entries 64
Mean −174.2
Std Dev 0

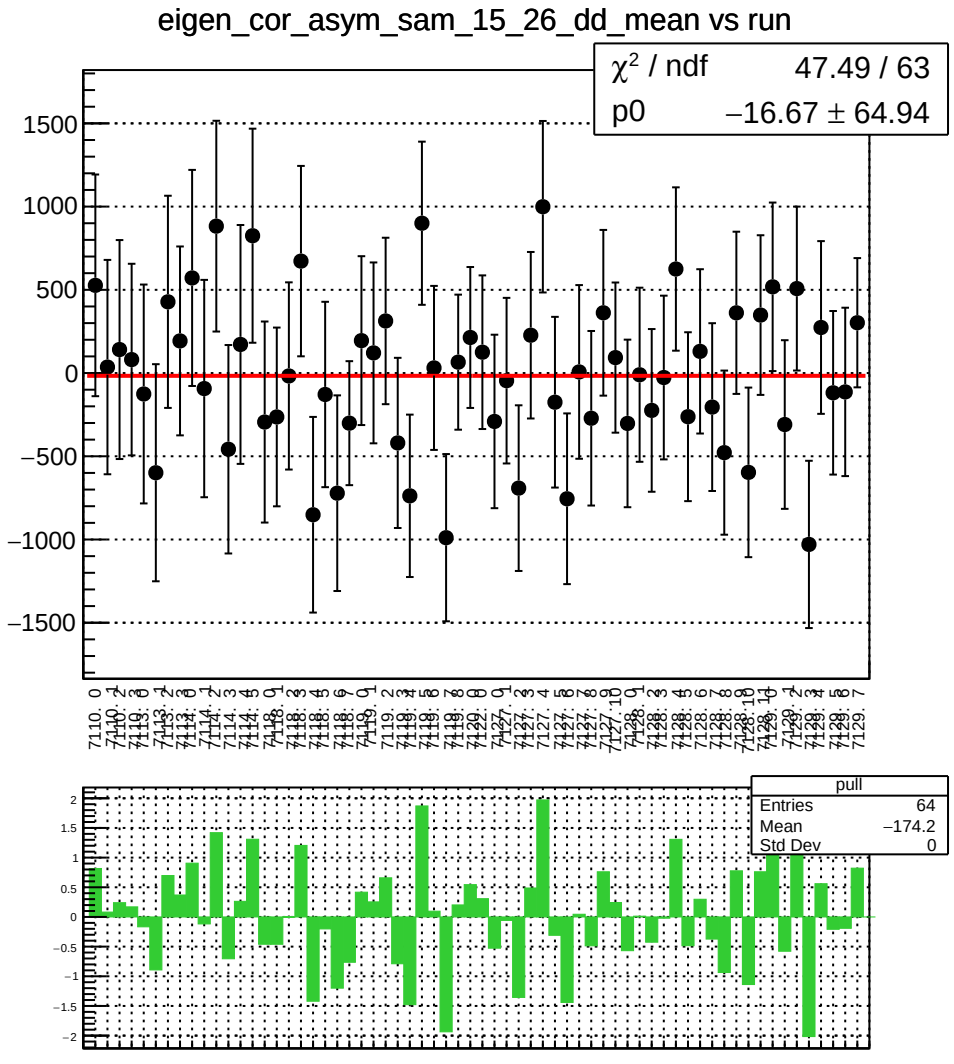

pull1D
Entries 64
Mean 0.004595
Std Dev 0.8614

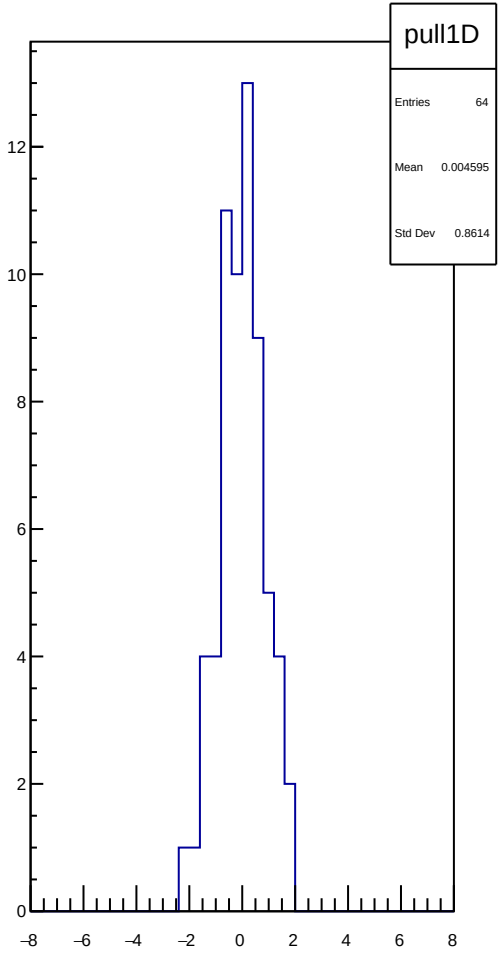

cor_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.348e+04 / 63
p0 50.57 ± 0.04592
70
65
60
55
50
45

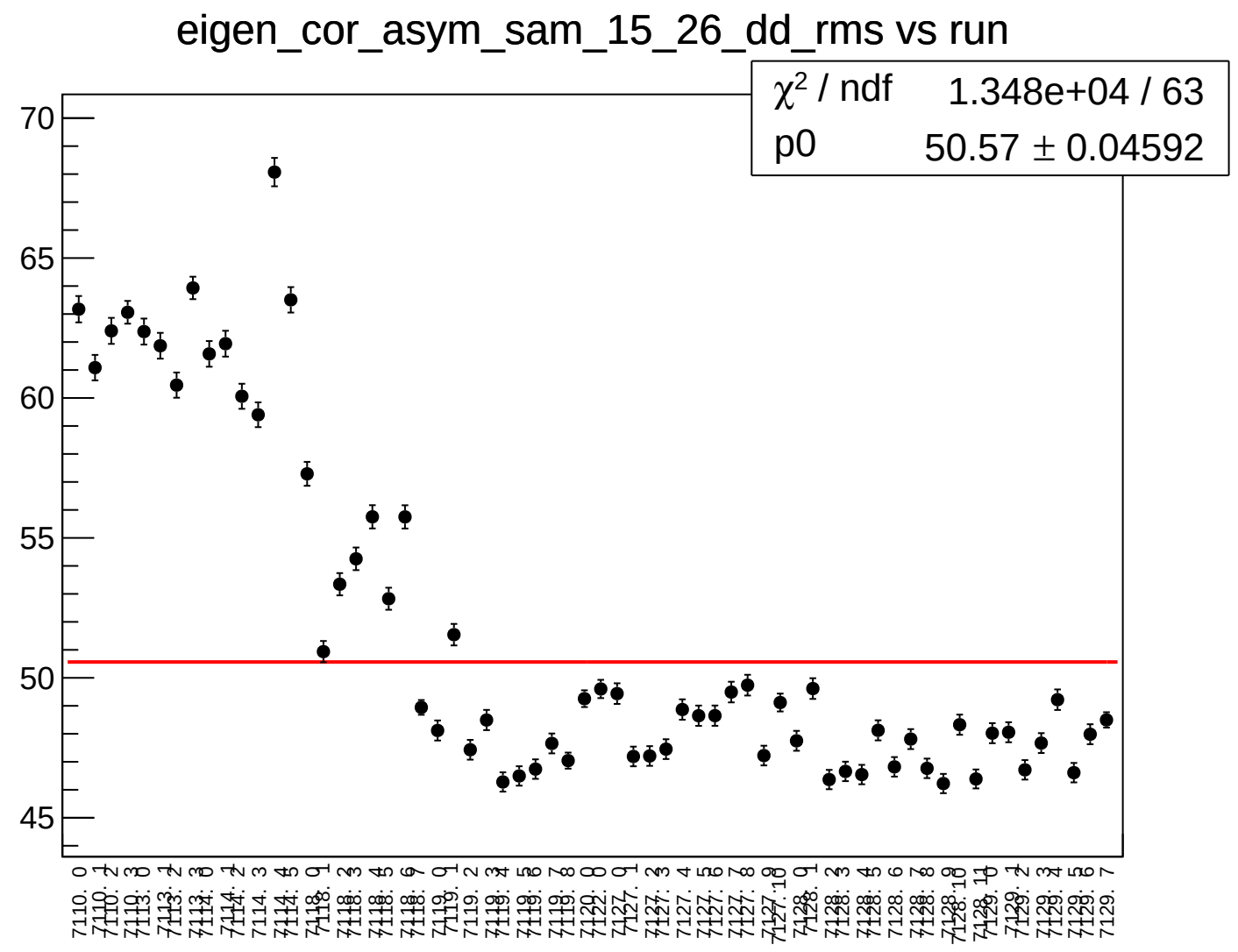

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 54.4 / 63
p0 196.1 ± 369.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −57.06
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

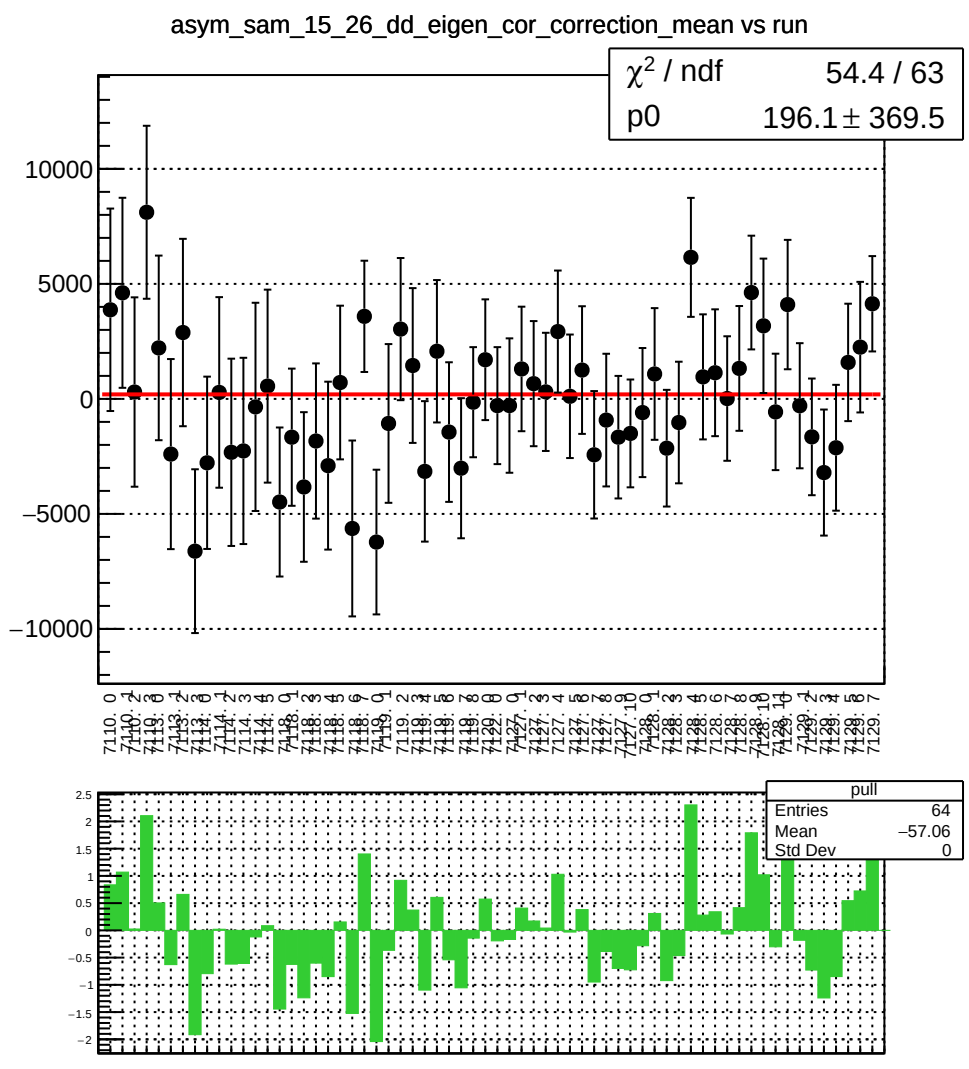

pull1D
Entries 64
Mean −0.03119
Std Dev 0.9214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

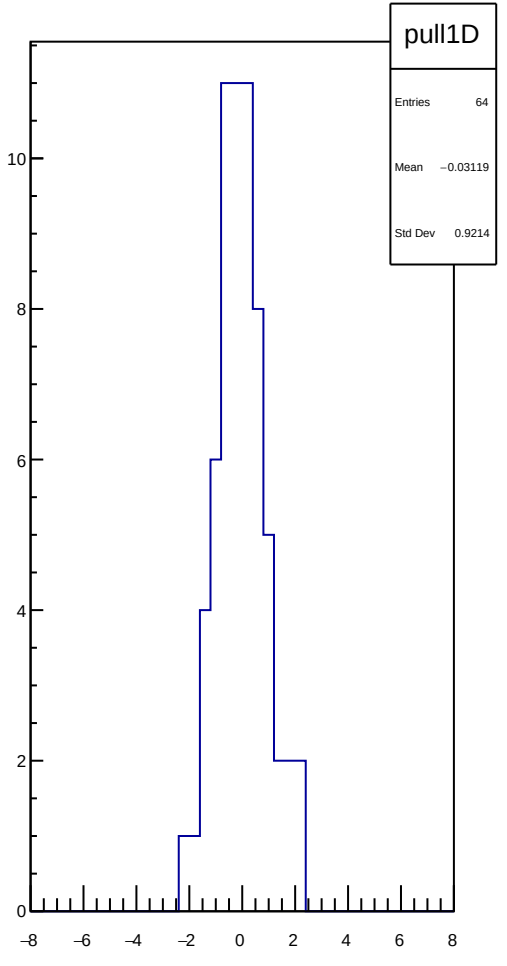

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 3.242e+04 / 63
p0 285.5 ± 0.2613
450
400
350
300
250

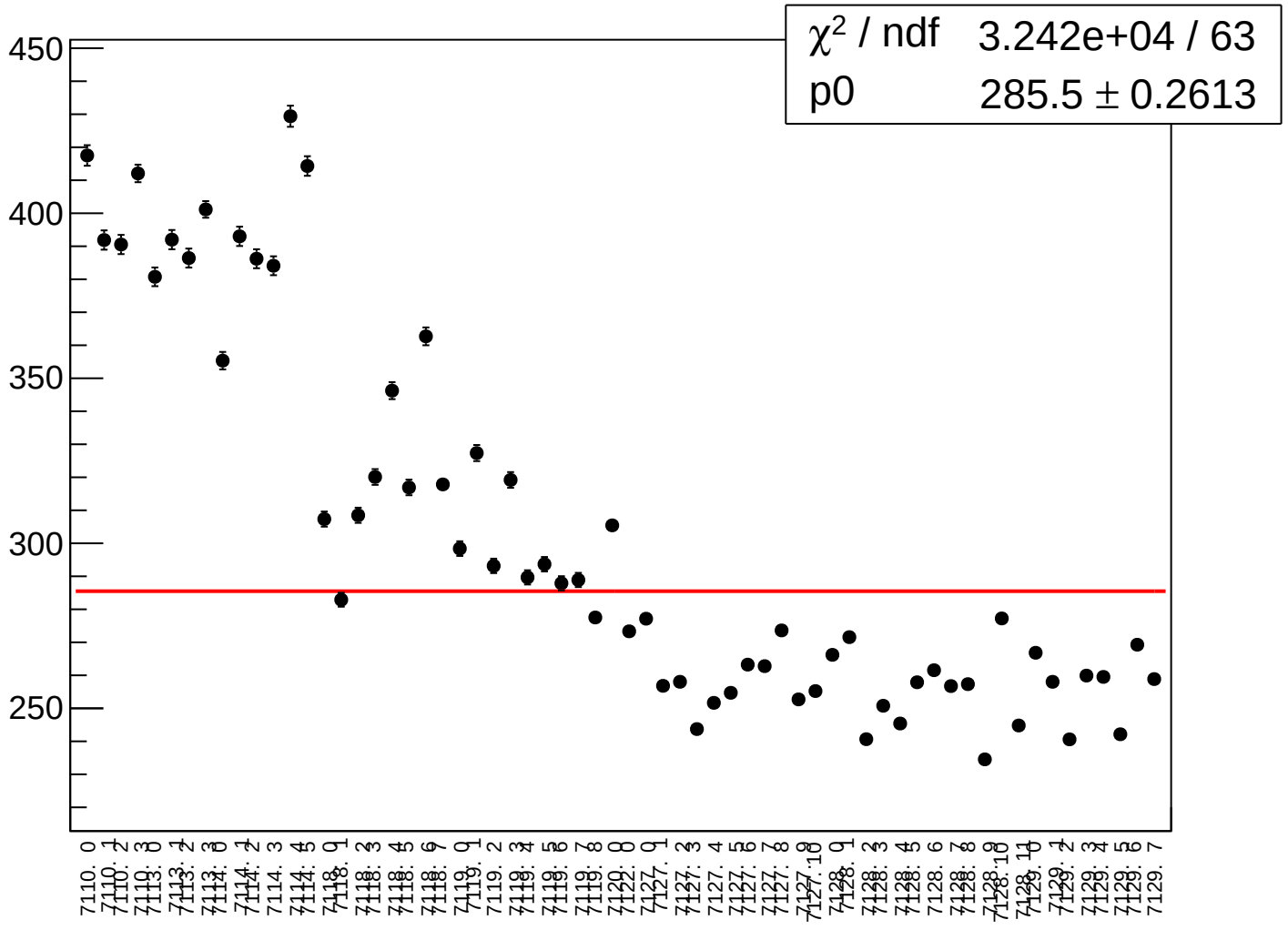

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 47.49 / 63
p0 −16.67 ± 64.94
pull
Entries 64
Mean −174.2
Std Dev 0

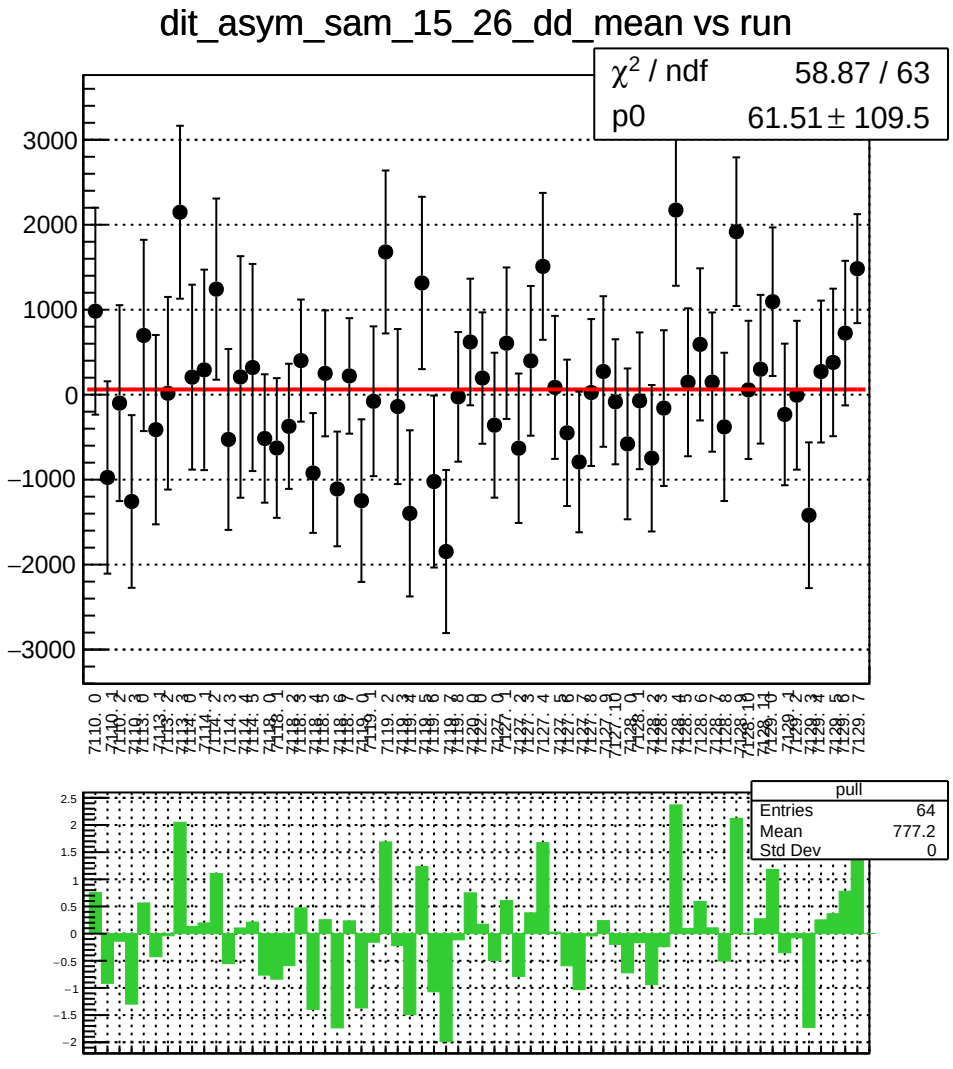

pull1D
Entries 64
Mean 0.004595
Std Dev 0.8614

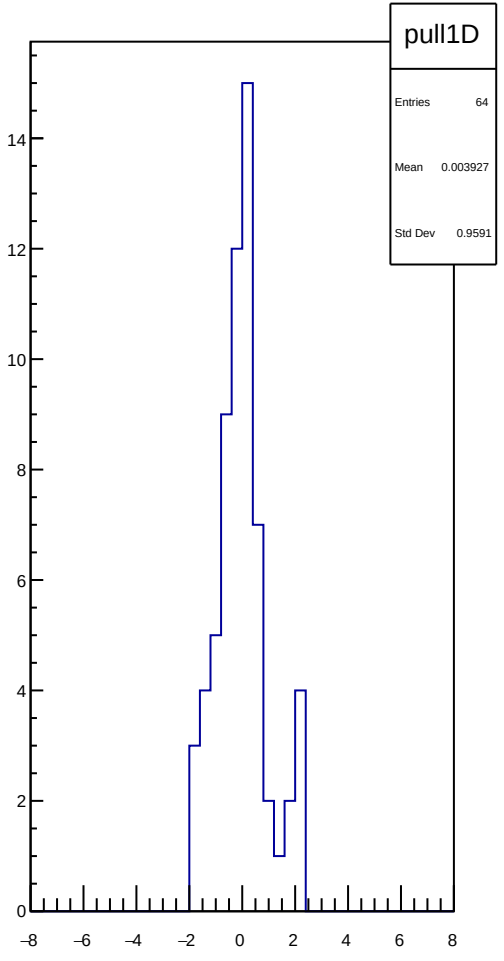

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.348e+04 / 63
p0 50.57 ± 0.04592
70
65
60
55
50
45

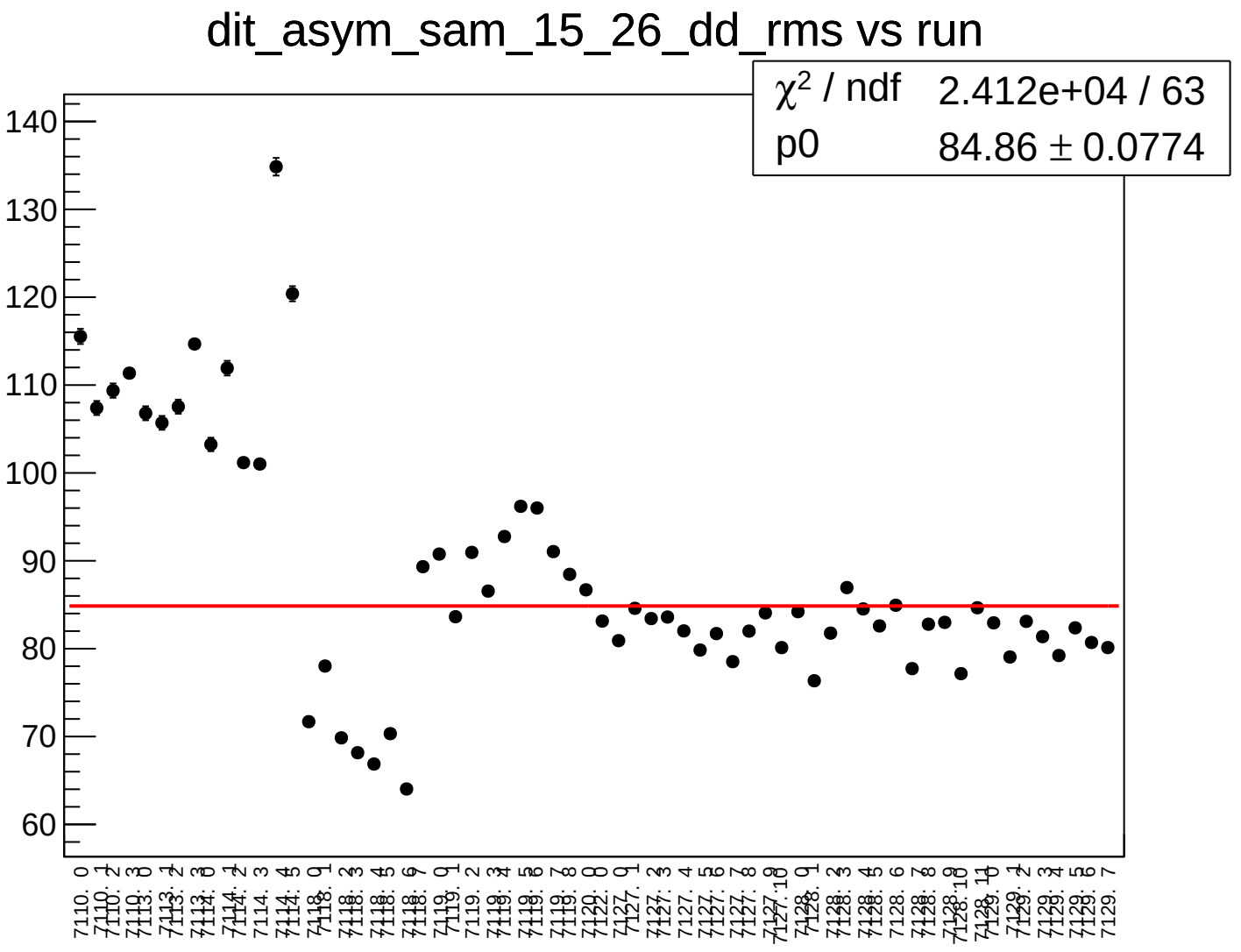

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.4 / 63
p0 196.1 ± 369.5
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −57.06
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

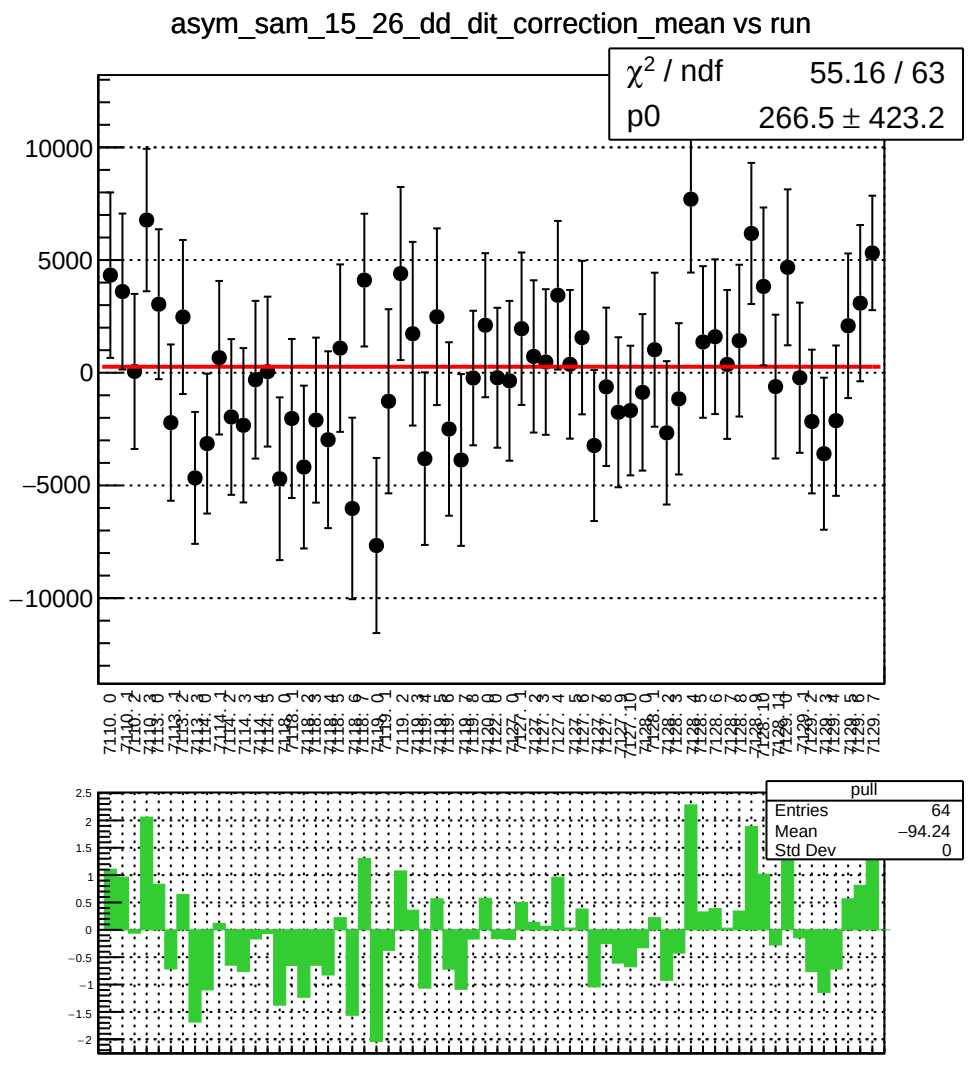

pull1D
Entries 64
Mean −0.03119
Std Dev 0.9214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

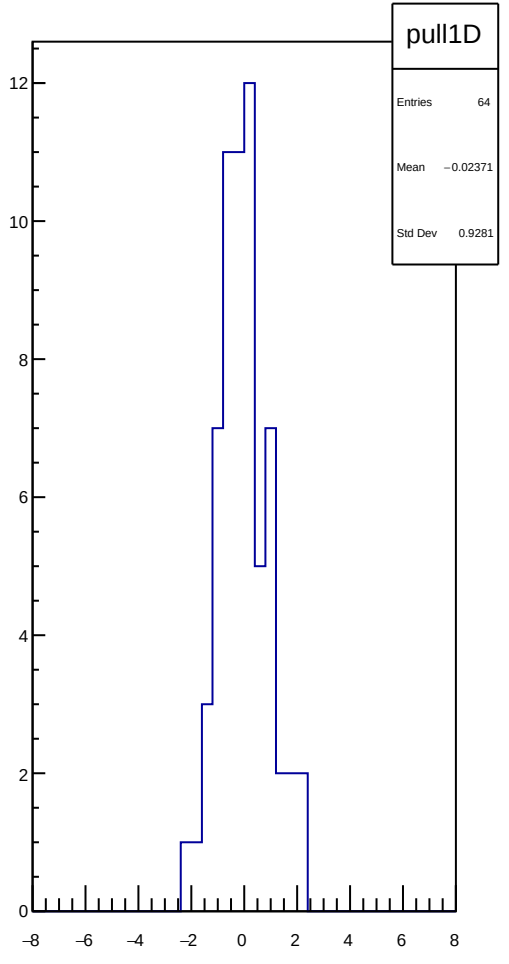

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.242e+04 / 63
p0 285.5 ± 0.2613
450
400
350
300
250

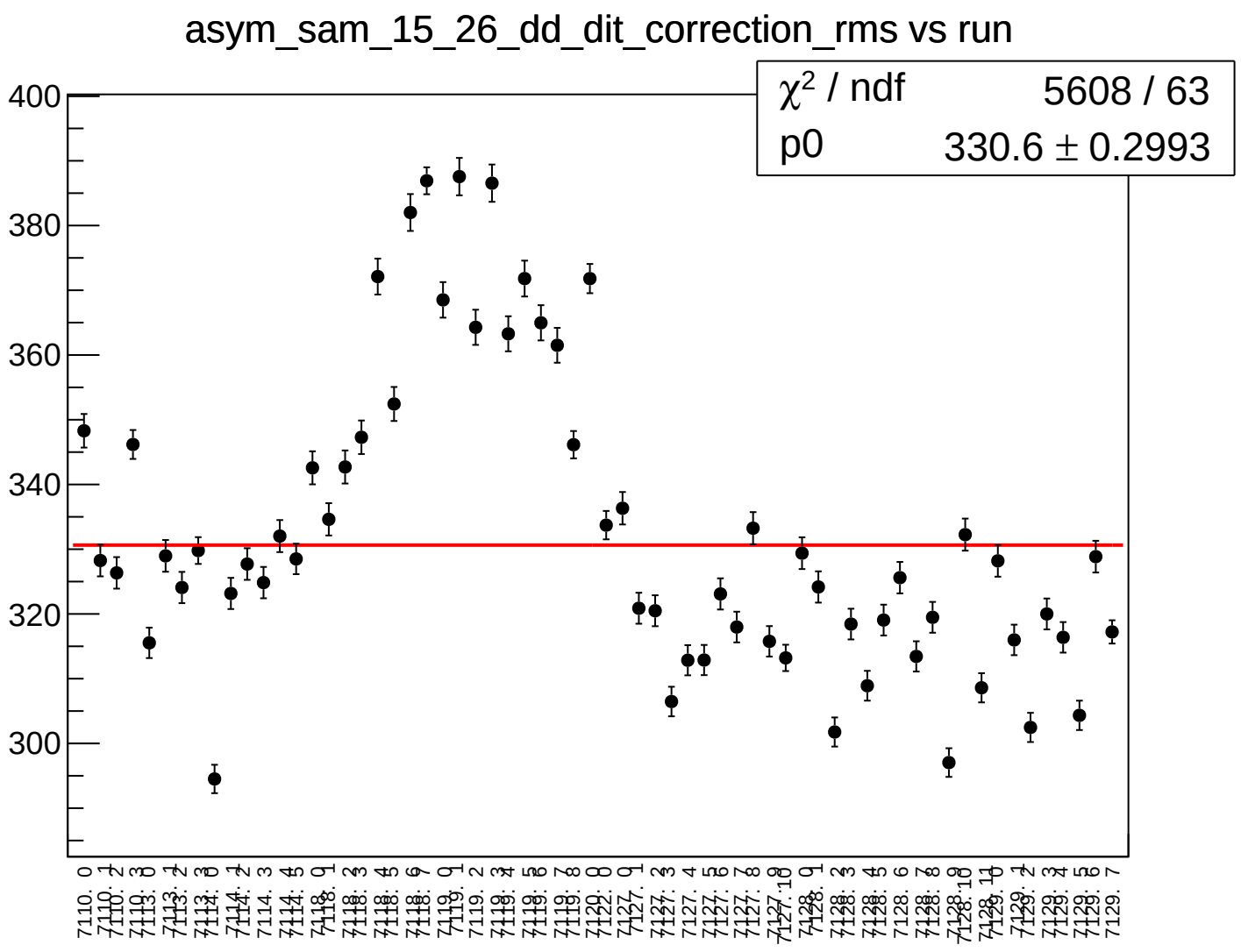

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 58.87 / 63
p0 61.51 ± 109.5
pull
Entries 64
Mean 777.2
Std Dev 0

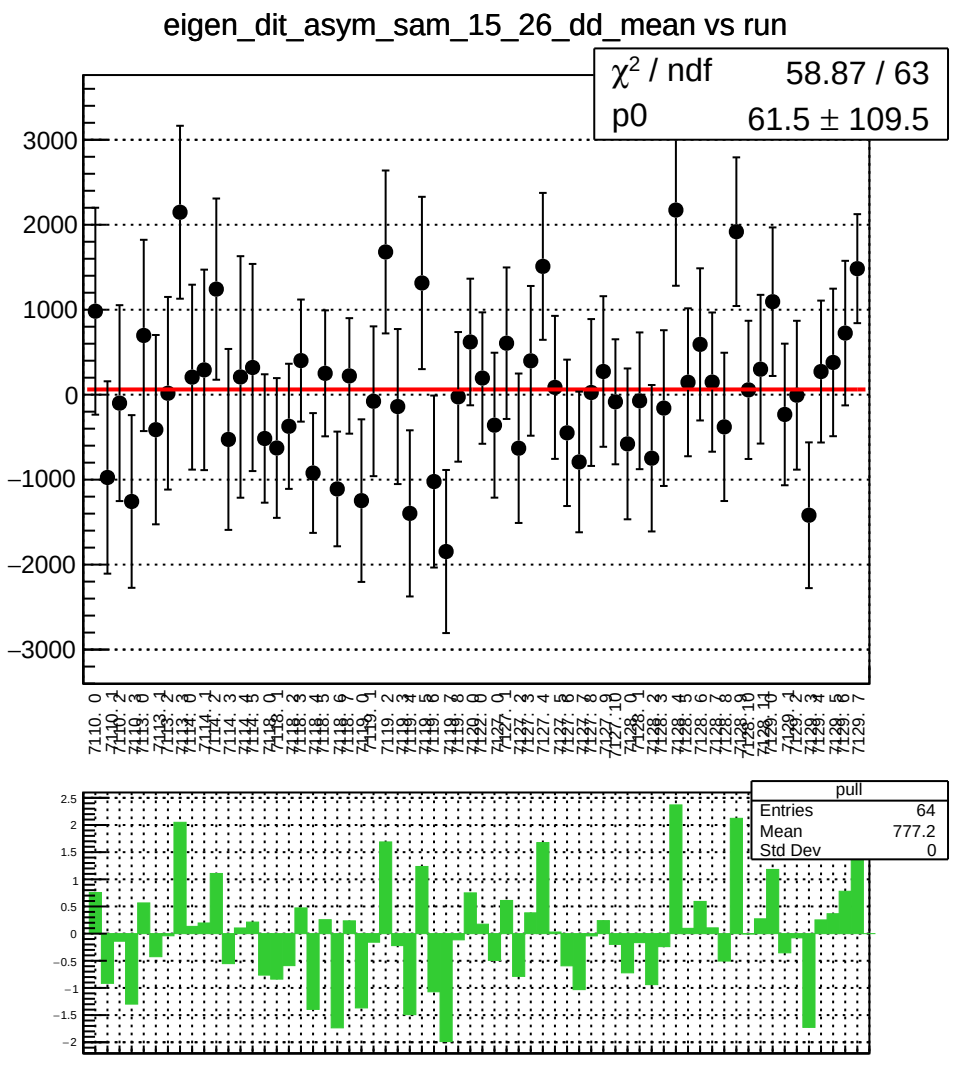

pull1D
Entries 64
Mean 0.003927
Std Dev 0.9591

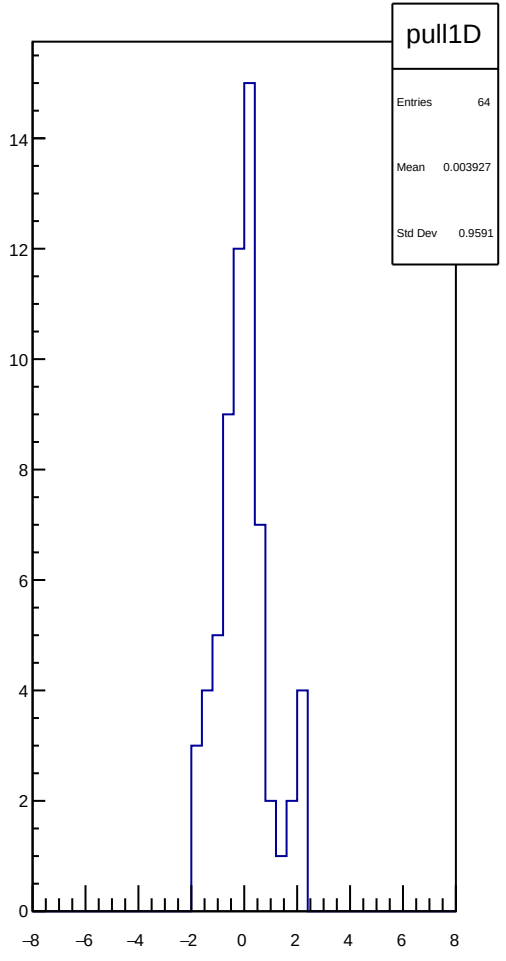

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.412e+04 / 63
p0 84.86 ± 0.0774
140
130
120
110
100
90
80
70
60

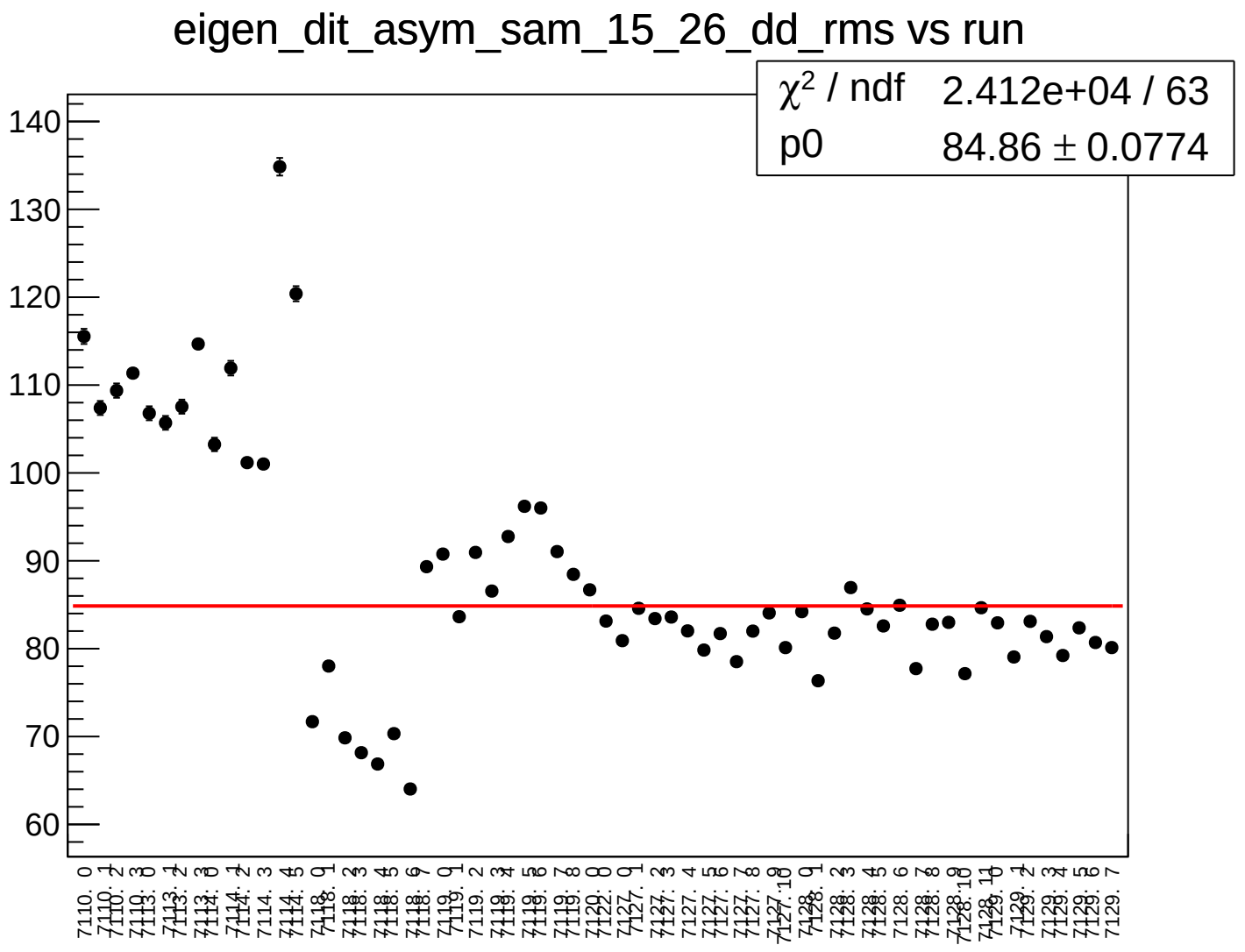

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 55.16 / 63
p0 266.5 ± 423.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −94.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

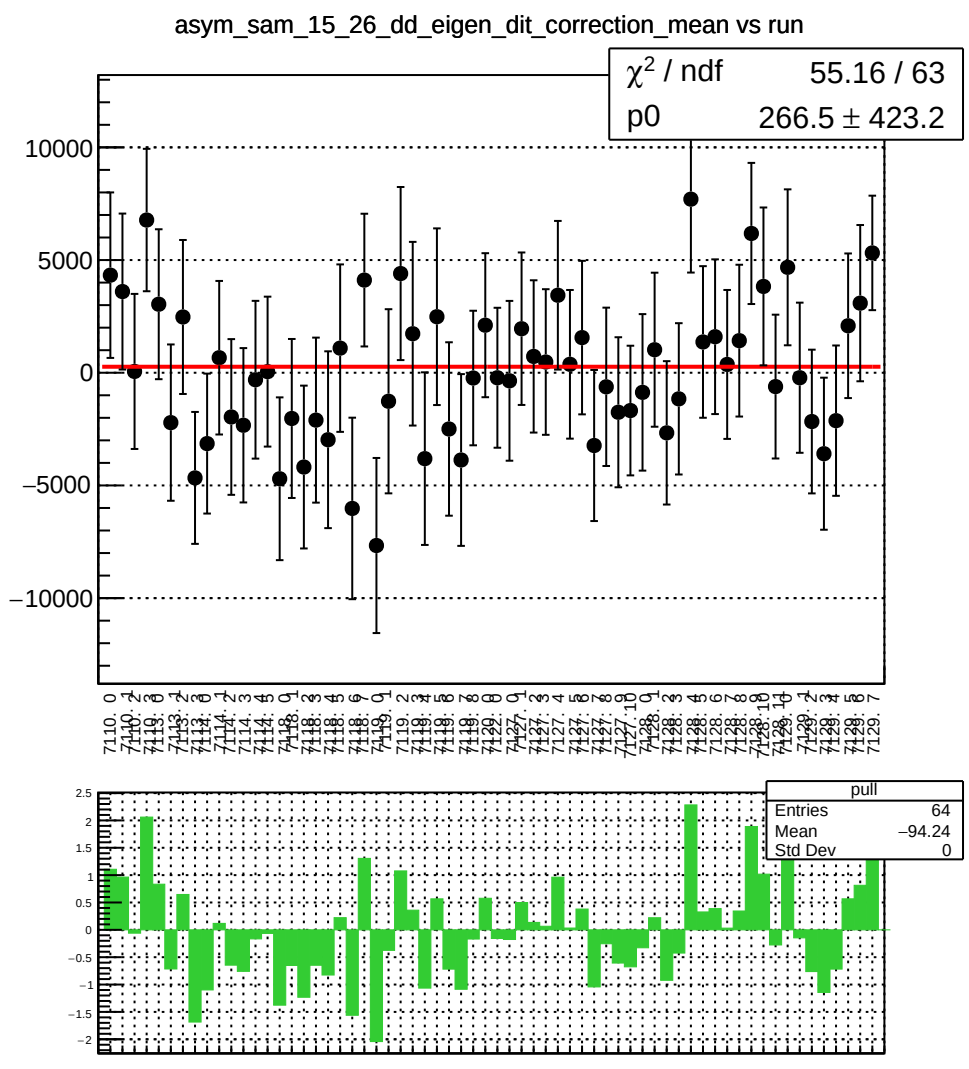

pull1D
Entries 64
Mean −0.02371
Std Dev 0.9281
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

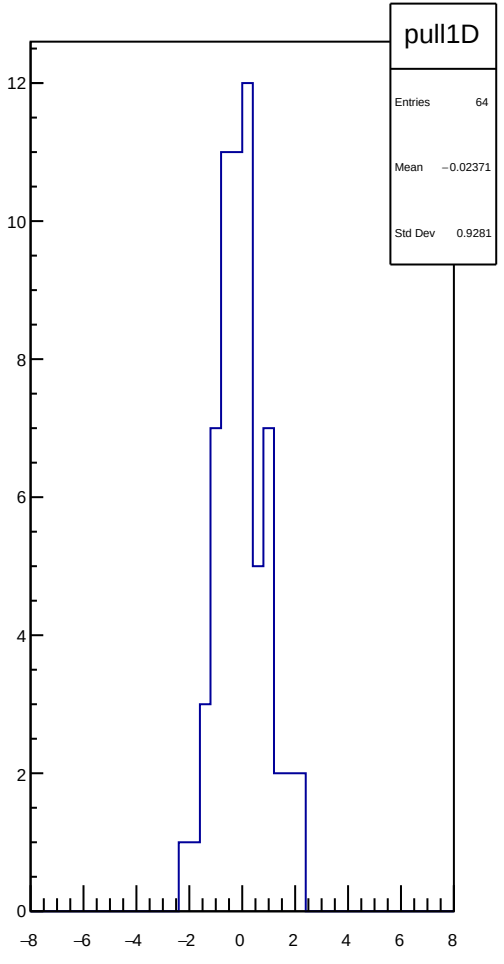

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 5608 / 63
p0 330.6 ± 0.2993
400
380
360
340
320
300

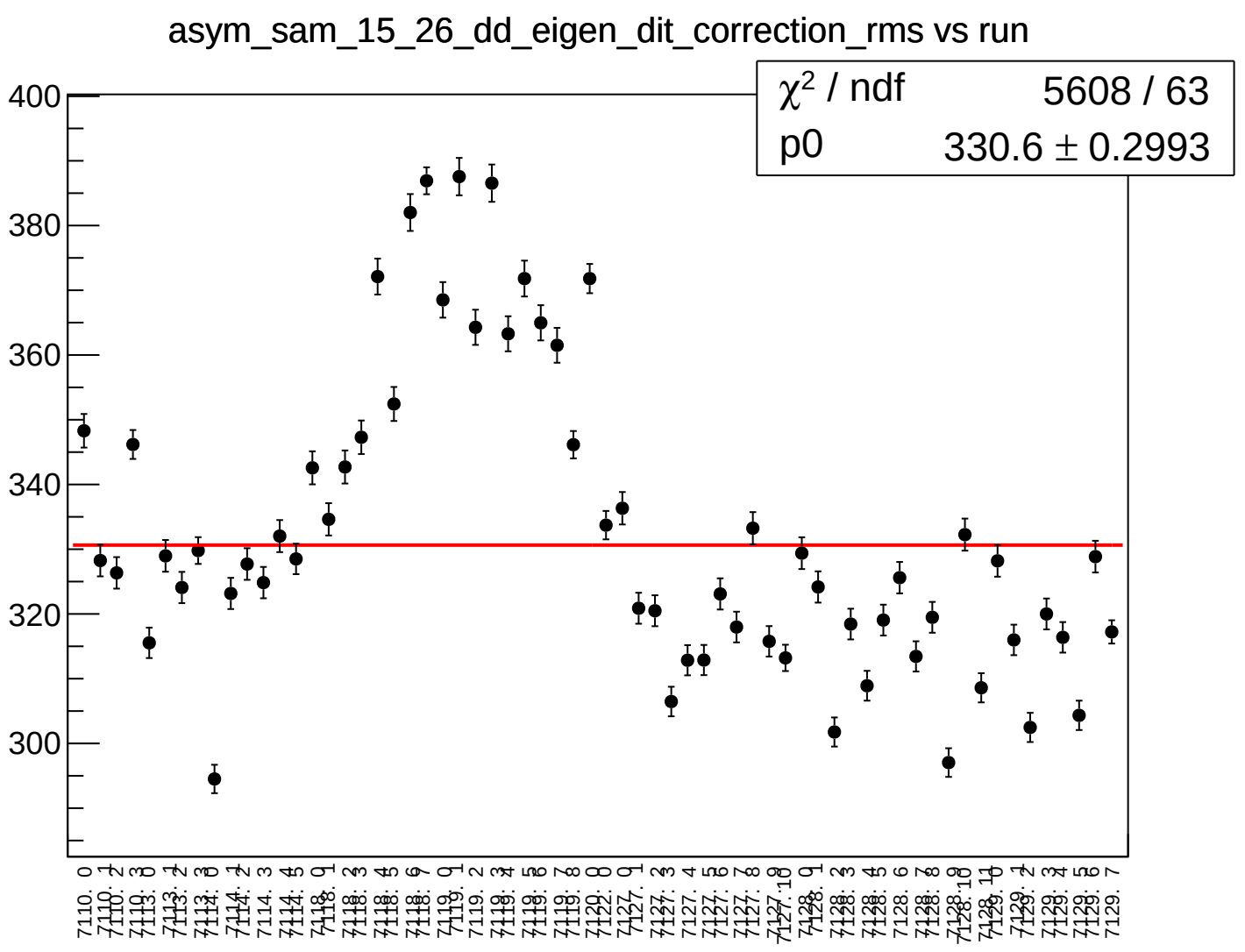

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 58.87 / 63
p0 61.5 ± 109.5
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 64
Mean 777.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

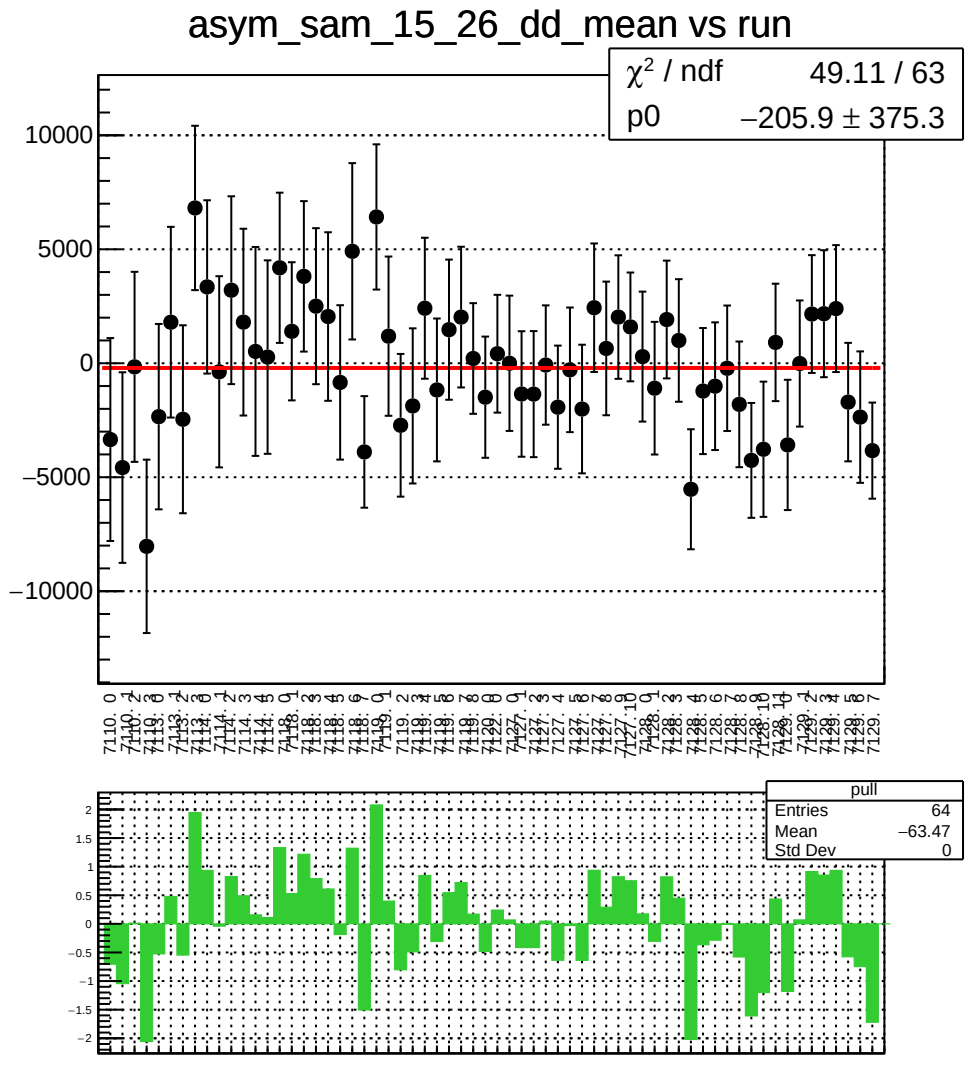

pull1D
Entries 64
Mean 0.003927
Std Dev 0.9591
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

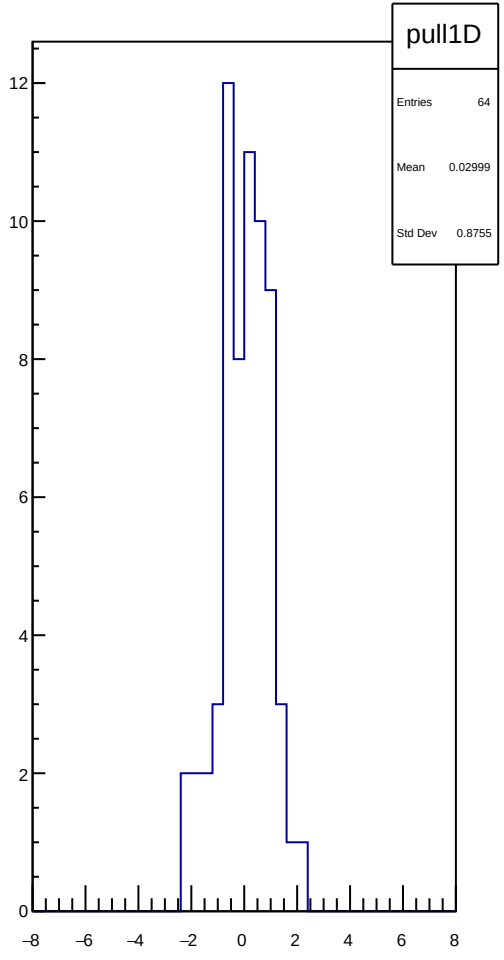

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.412e+04 / 63
p0 84.86 ± 0.0774
140
130
120
110
100
90
80
70
60

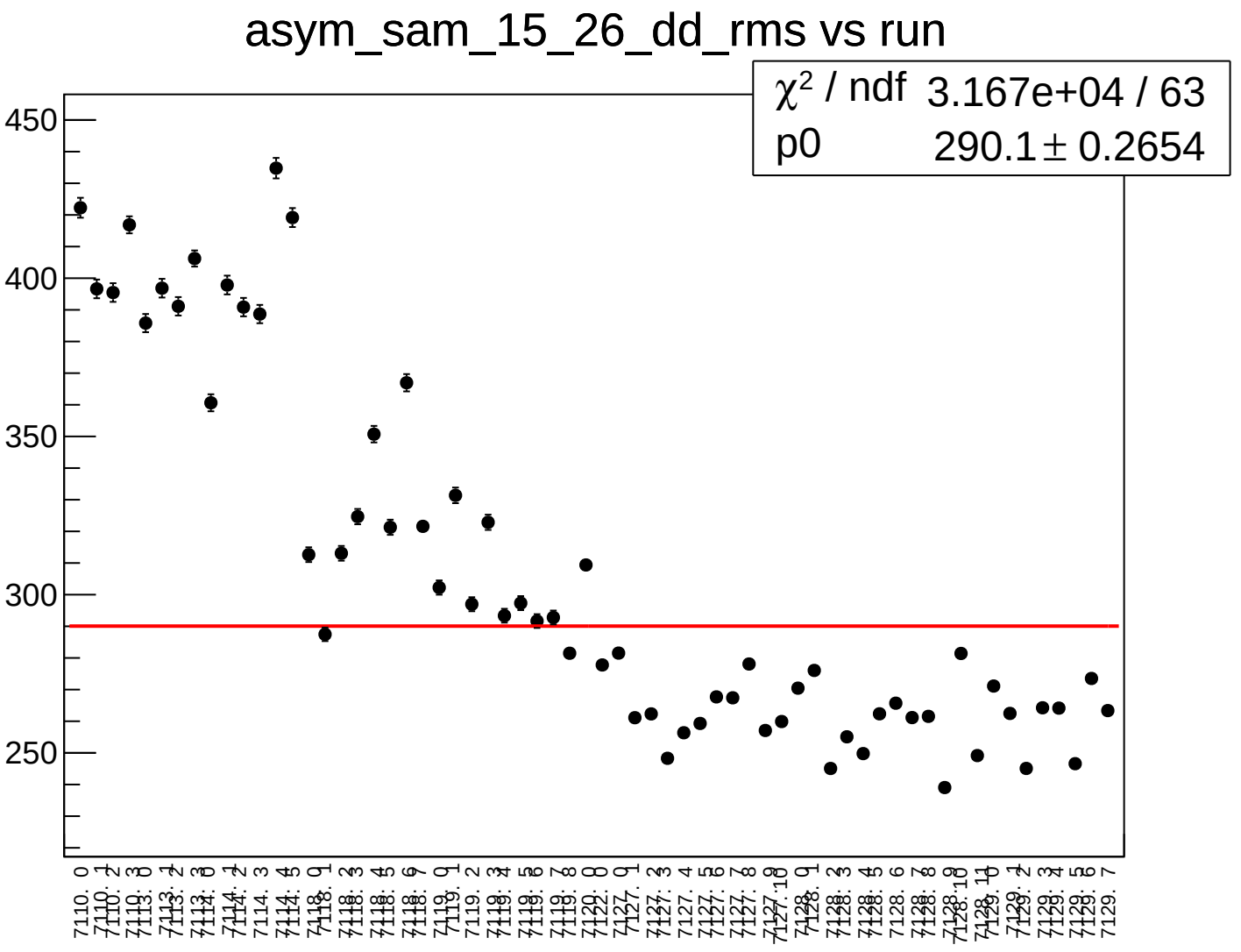

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.16 / 63
p0 266.5 ± 423.2
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −94.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

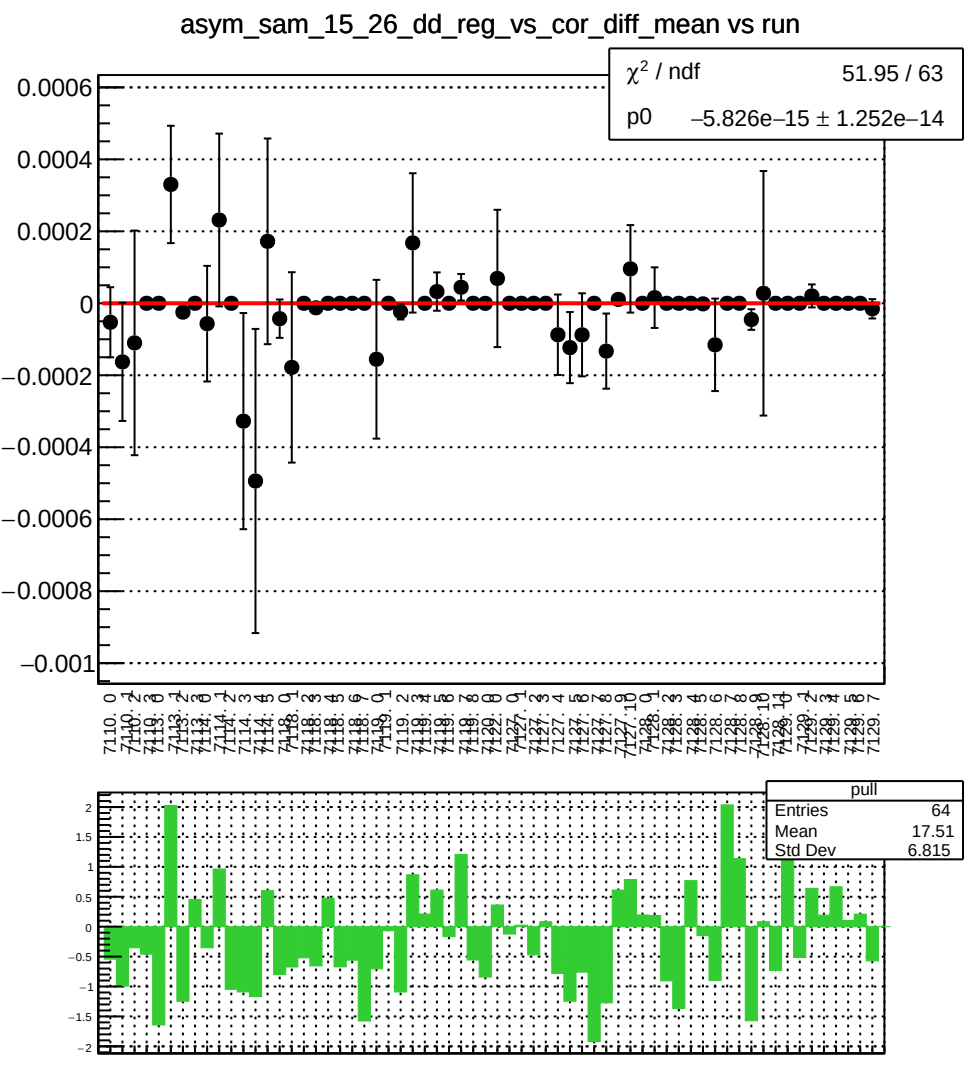

pull1D
Entries 64
Mean −0.02371
Std Dev 0.9281
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

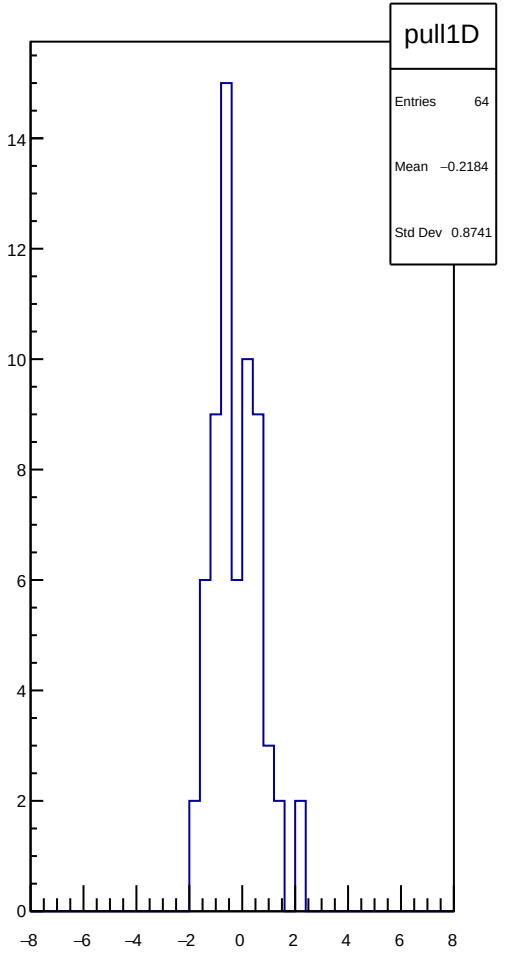

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 5608 / 63
p0 330.6 ± 0.2993
400
380
360
340
320
300

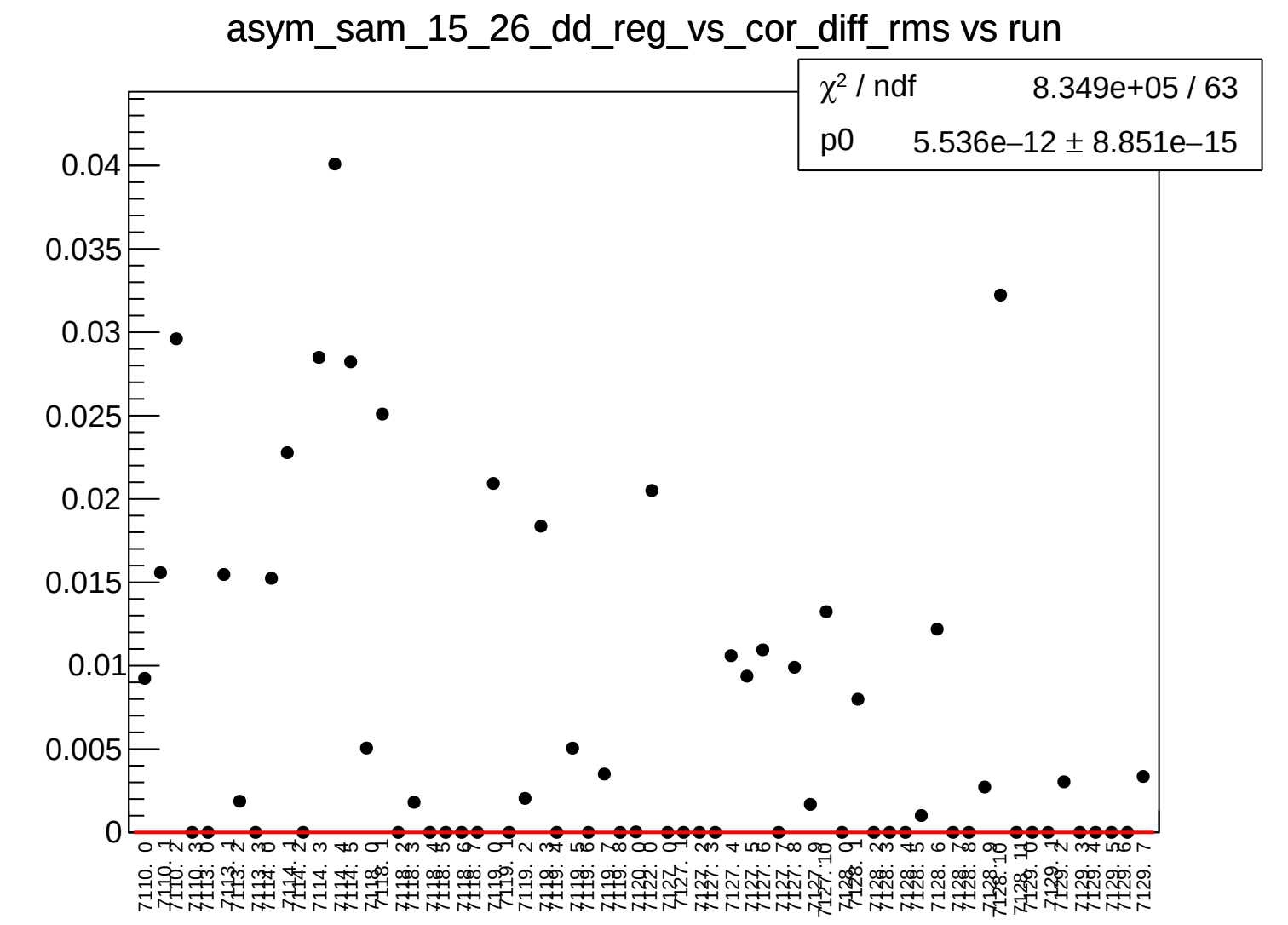

asym_sam_15_26_dd_mean vs run
χ² / ndf 49.11 / 63
p0 −205.9 ± 375.3
10000
5000
0
−5000
−10000
pull
Entries 64
Mean −63.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

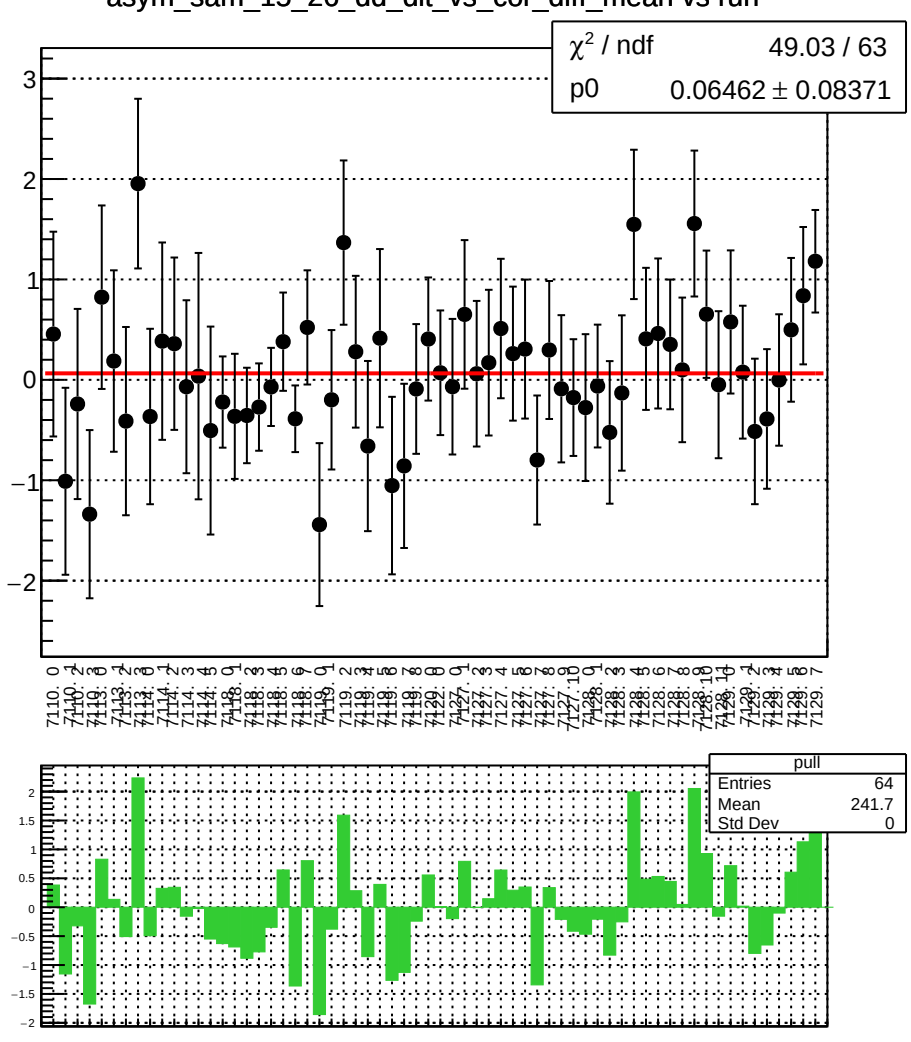

pull1D
Entries 64
Mean 0.02999
Std Dev 0.8755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

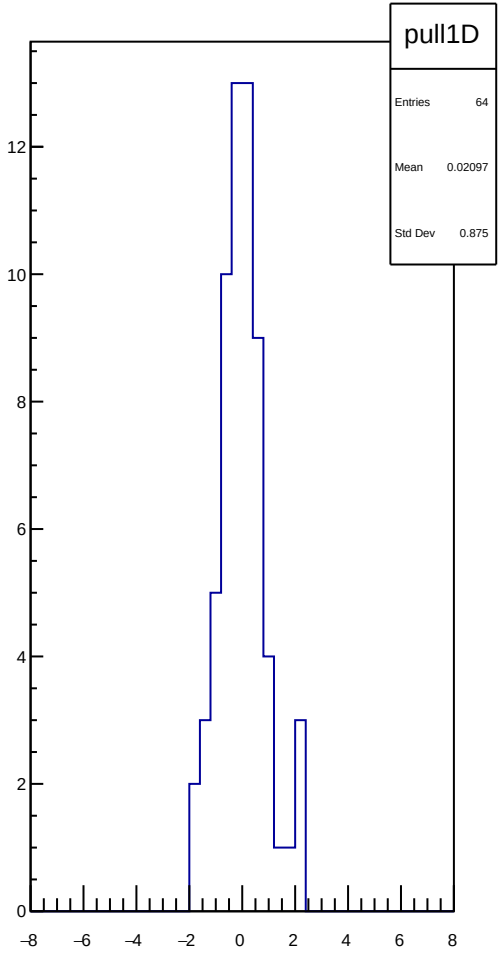

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 3.167e+04 / 63
p0 290.1 ± 0.2654
450
400
350
300
250

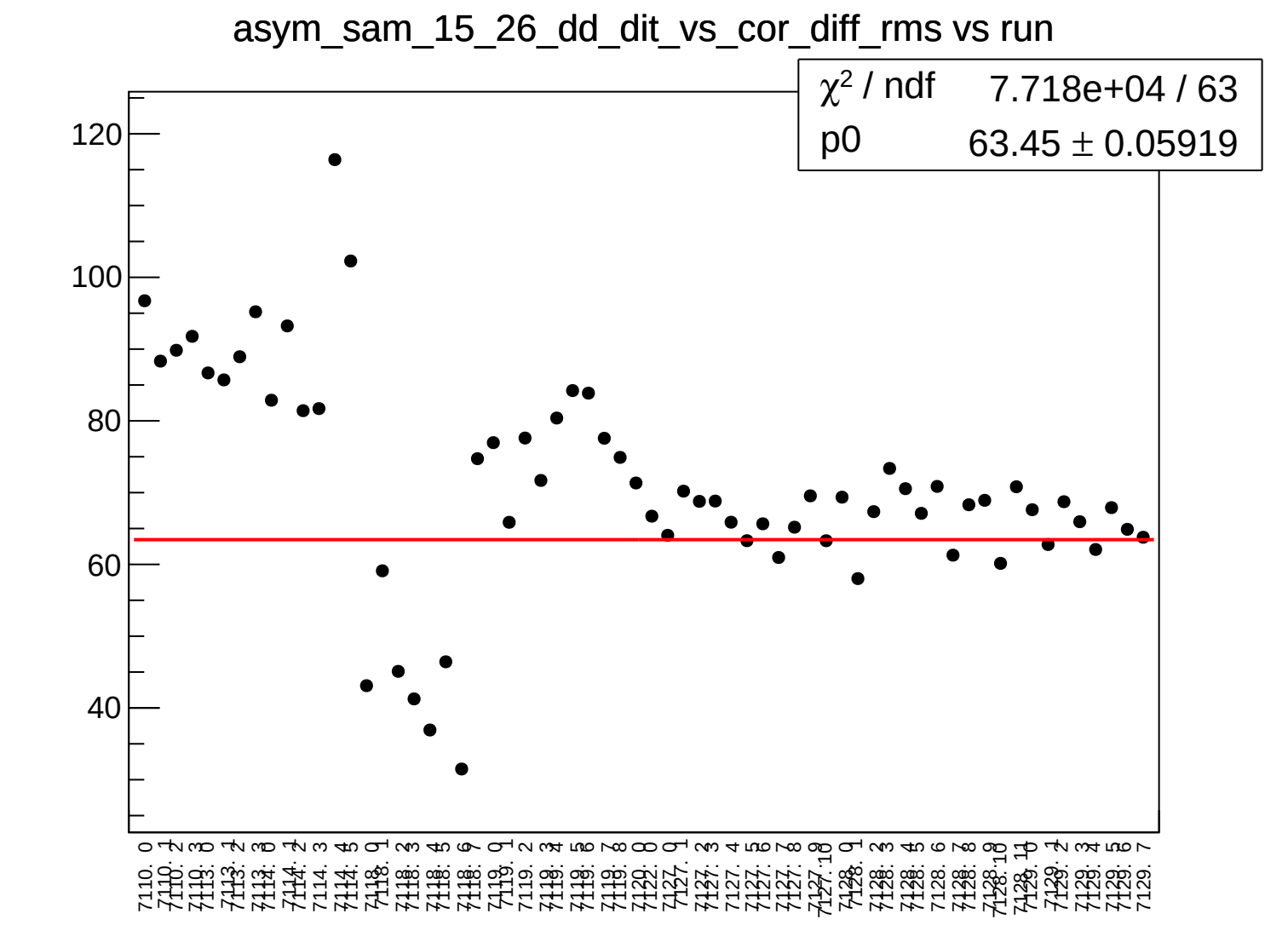

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.95 / 63
p0 −5.826e−15 ± 1.252e−14
pull
Entries 64
Mean 17.51
Std Dev 6.815

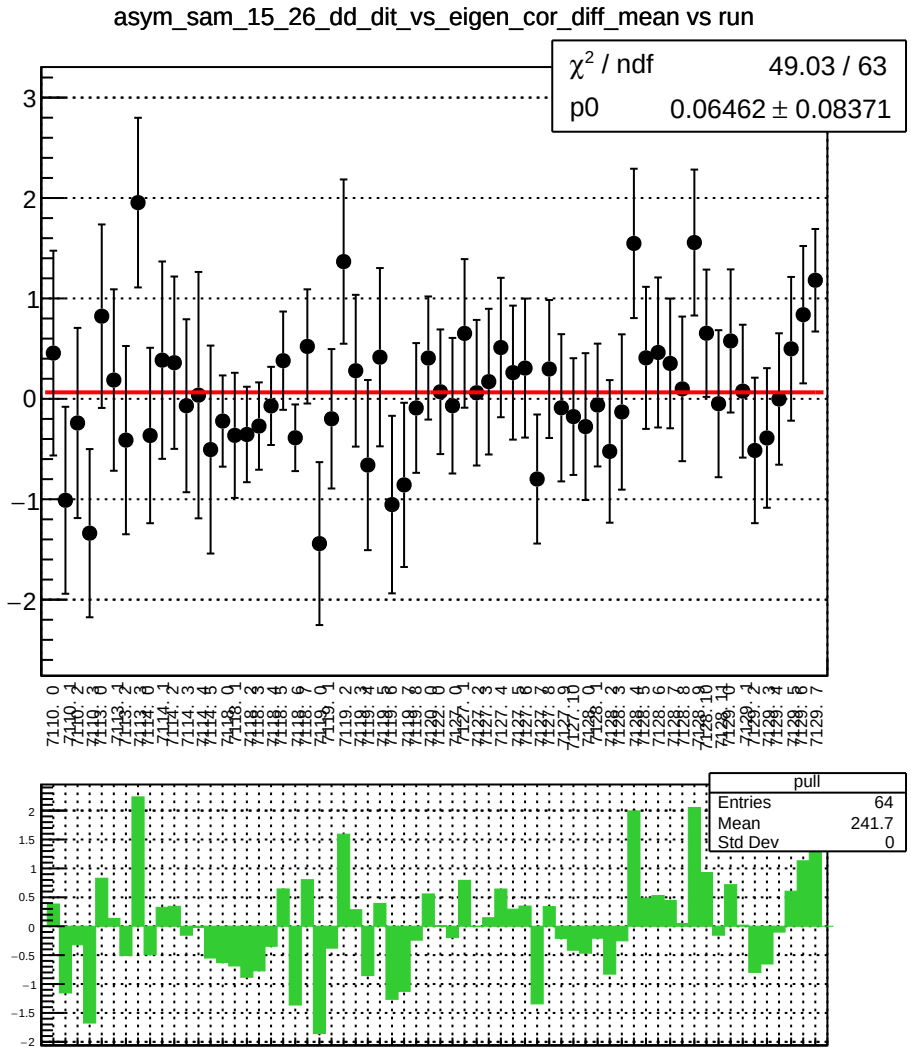

pull1D
Entries 64
Mean −0.2184
Std Dev 0.8741

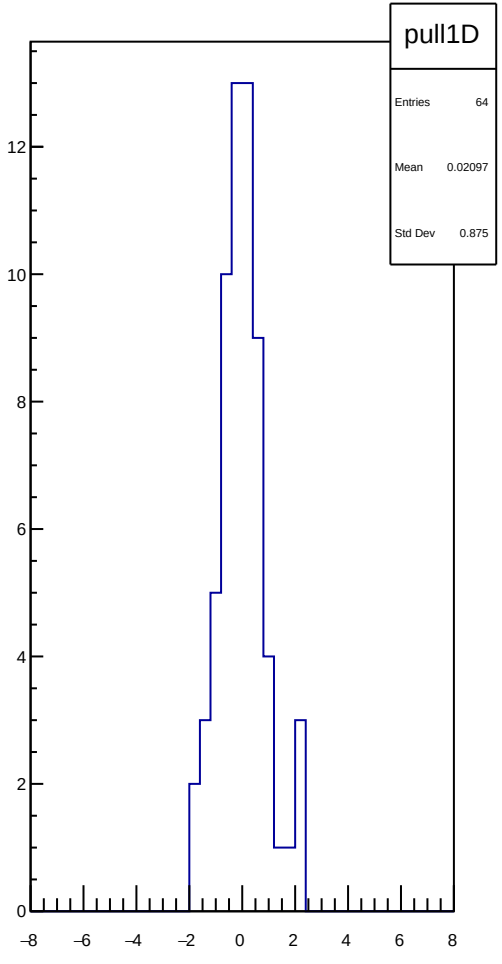

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.349e+05 / 63
p0 5.536e−12 ± 8.851e−15
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

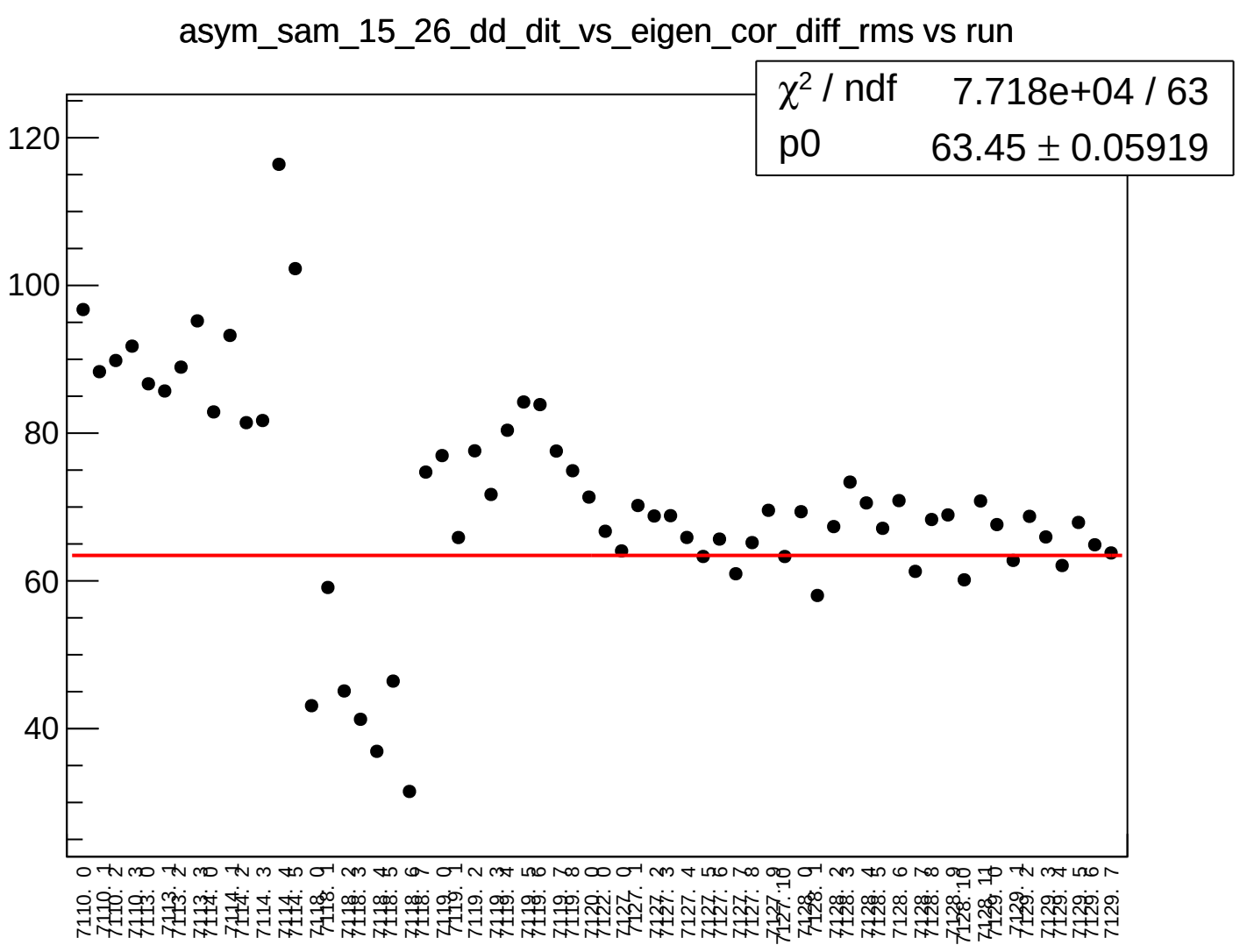

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.03 / 63
p0 0.06462 ± 0.08371
pull
Entries 64
Mean 241.7
Std Dev 0

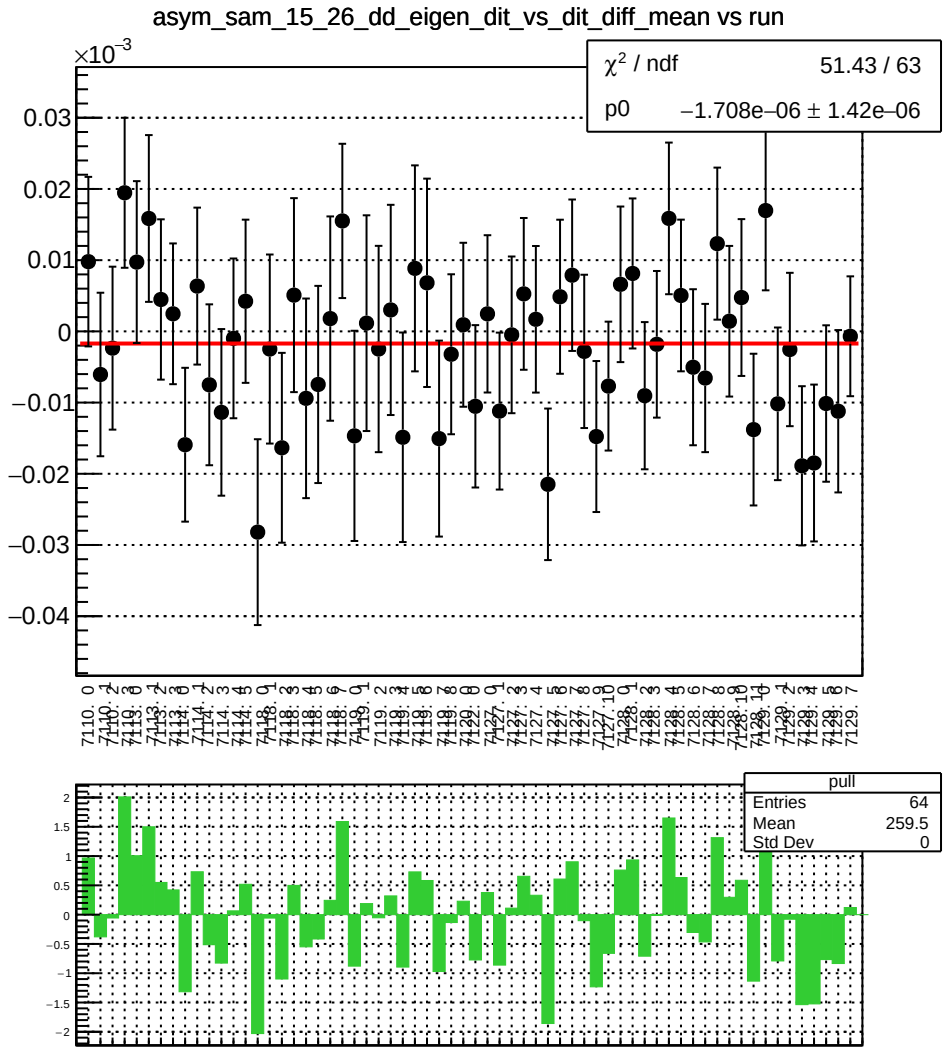

pull1D
Entries 64
Mean 0.02097
Std Dev 0.875

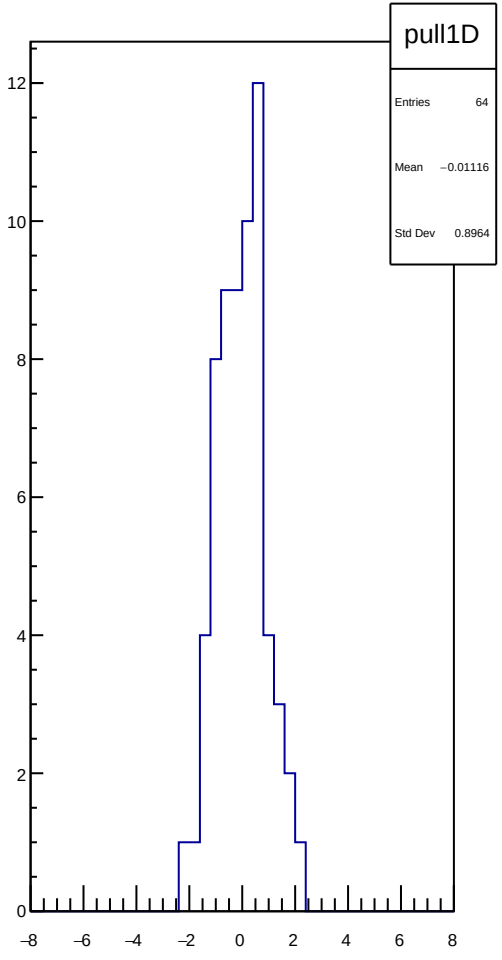

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.718e+04 / 63
p0 63.45 ± 0.05919
120
100
80
60
40

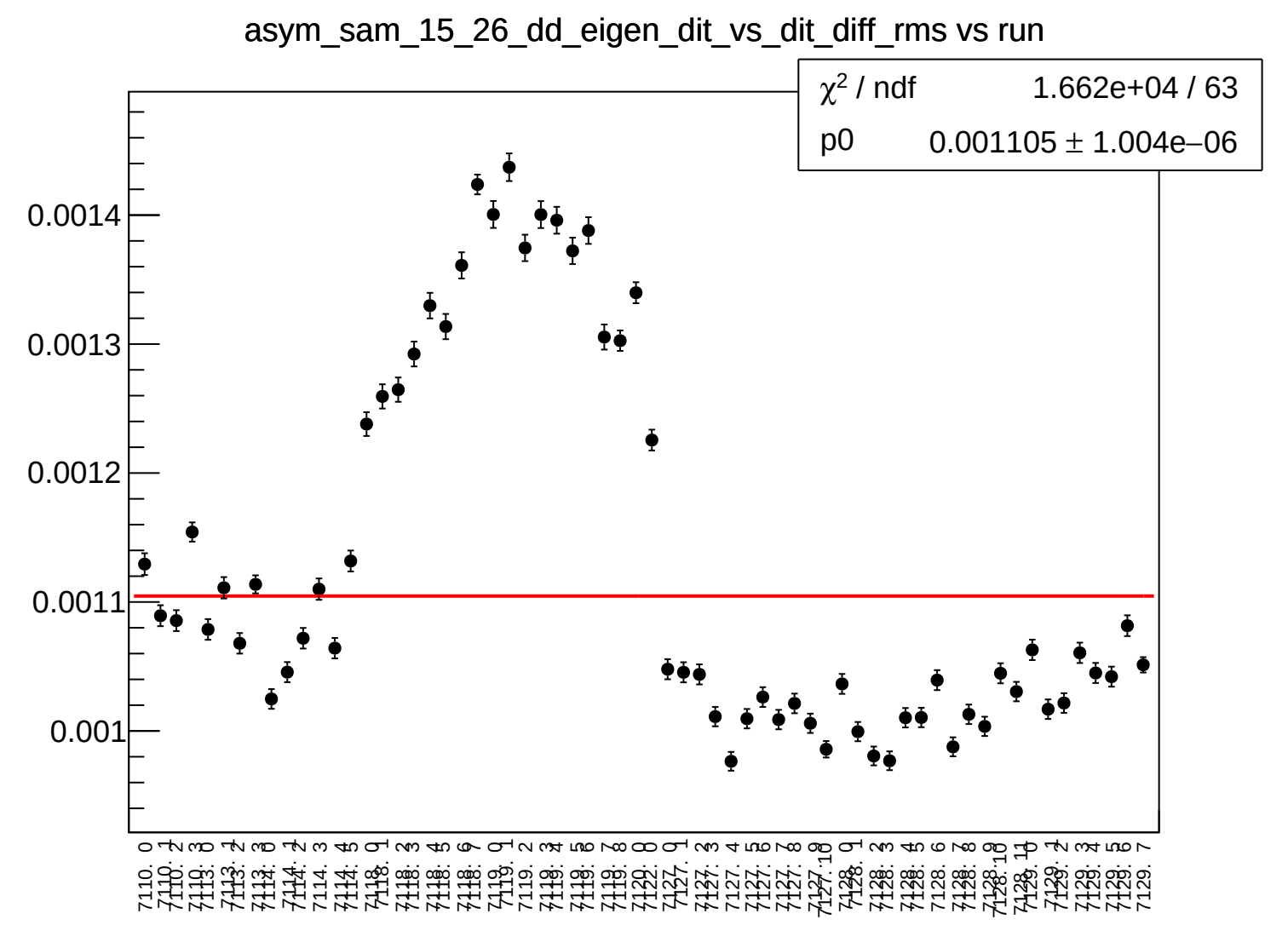

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.03 / 63
p0 0.06462 ± 0.08371
pull
Entries 64
Mean 241.7
Std Dev 0

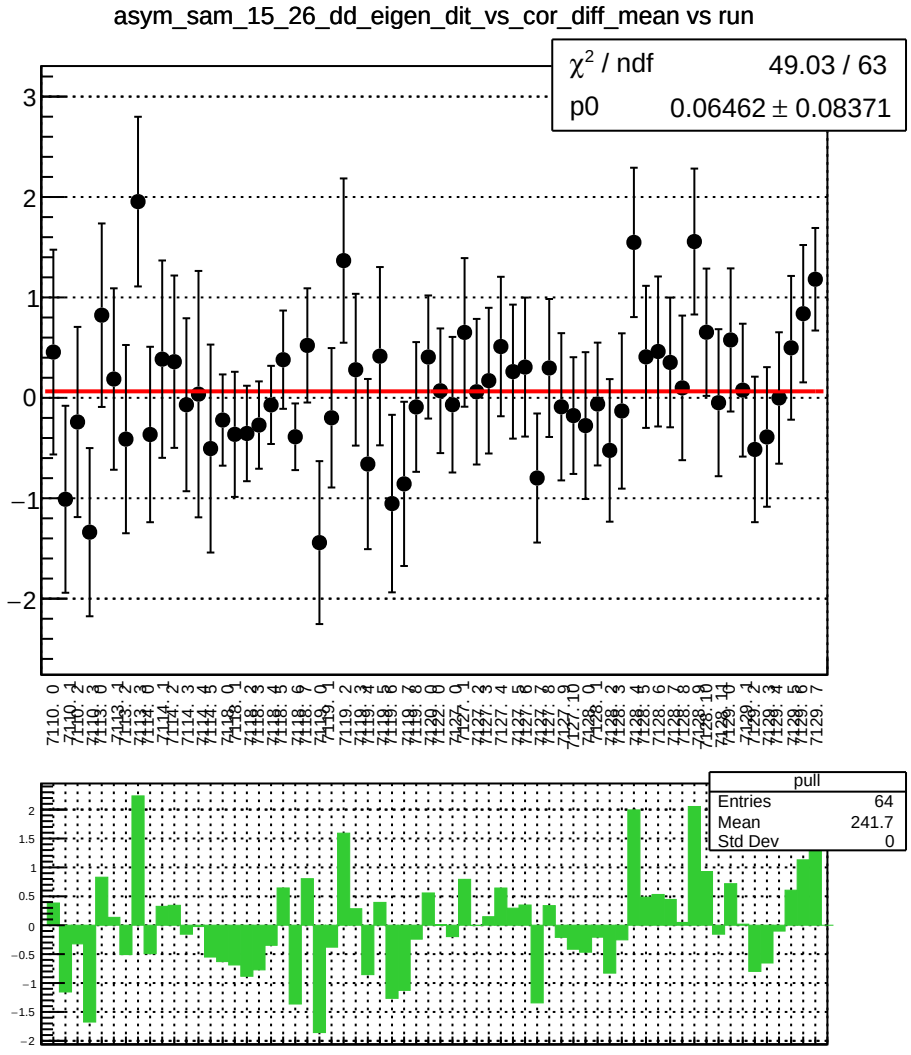

pull1D
Entries 64
Mean 0.02097
Std Dev 0.875

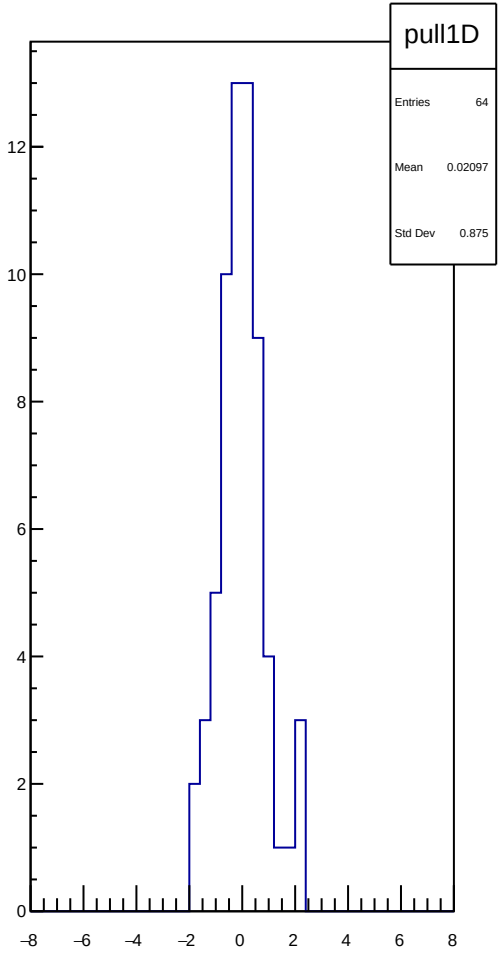

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 7.718e+04 / 63
p0 63.45 ± 0.05919
120
100
80
60
40

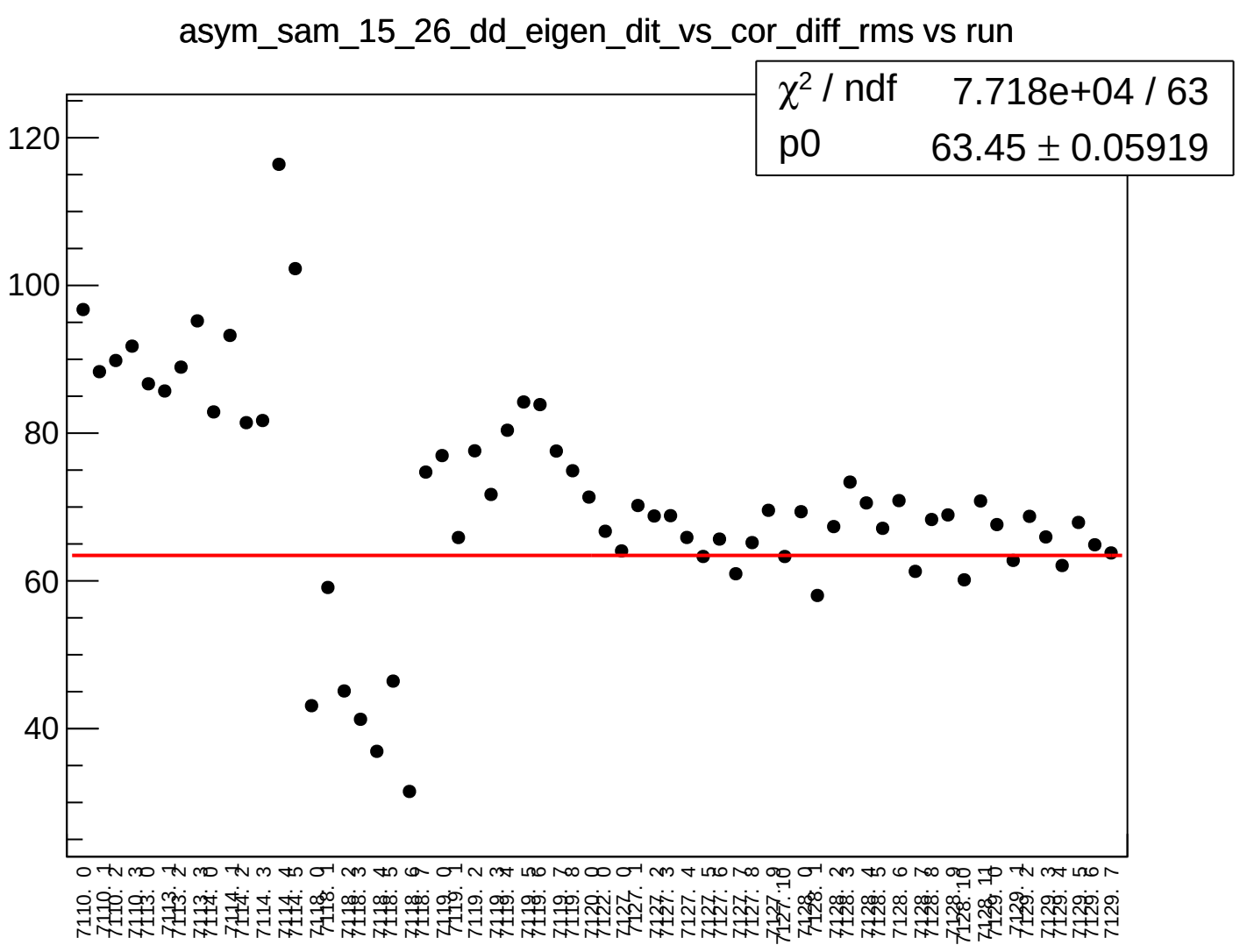

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.43 / 63
p0 −1.708e−06 ± 1.42e−06
pull
Entries 64
Mean 259.5
Std Dev 0

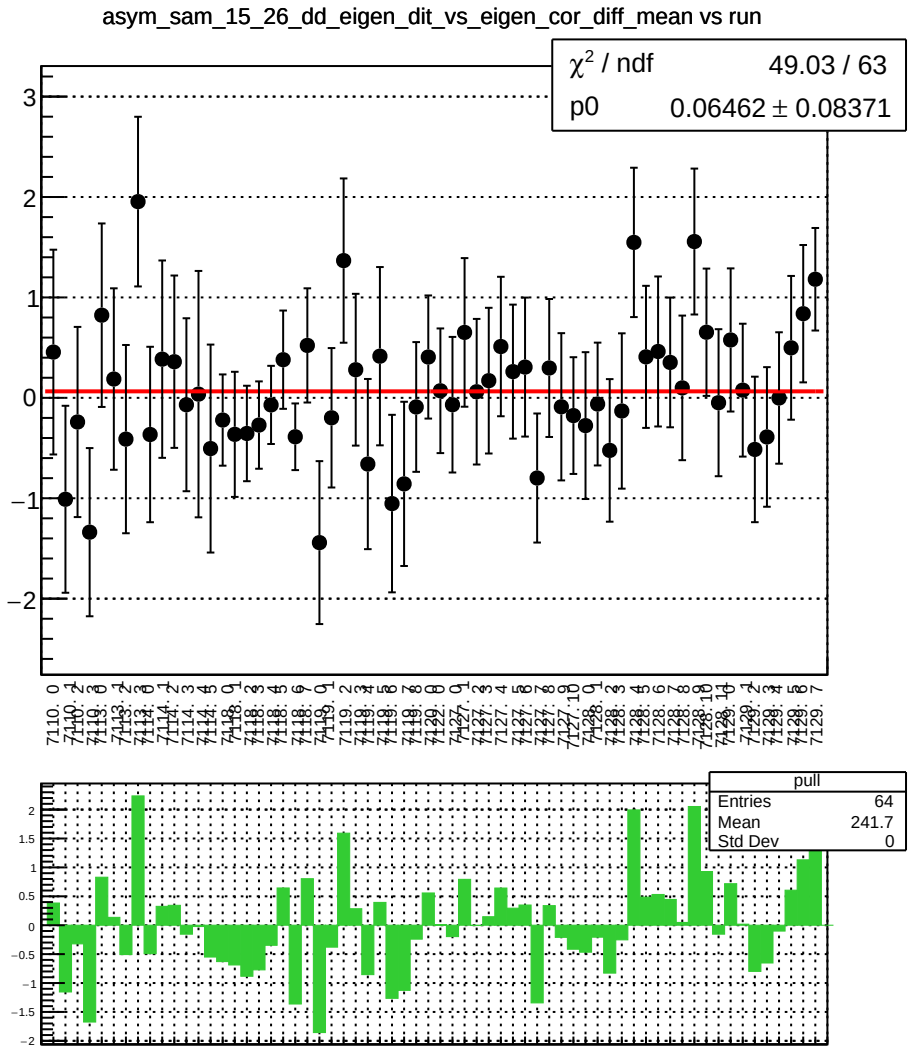

pull1D
Entries 64
Mean −0.01116
Std Dev 0.8964

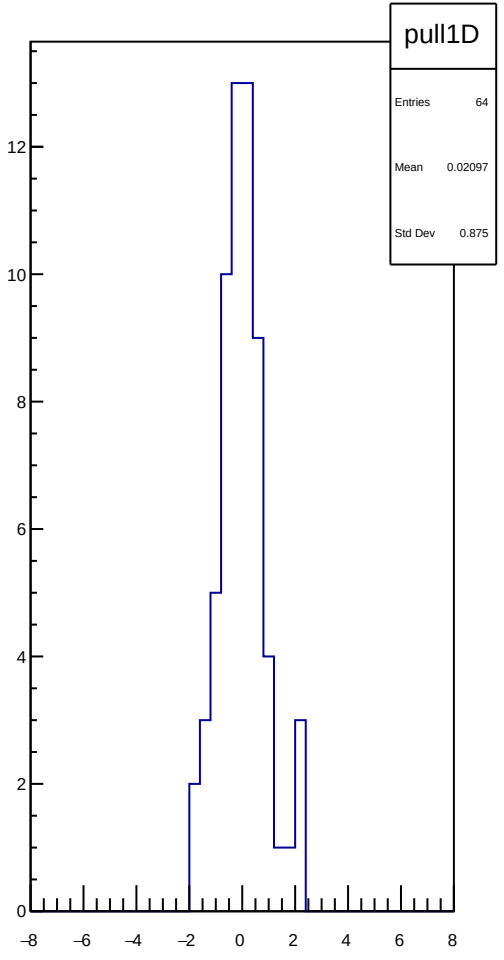

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.662e+04 / 63
p0 0.001105 ± 1.004e−06
0.0014
0.0013
0.0012
0.0011
0.001

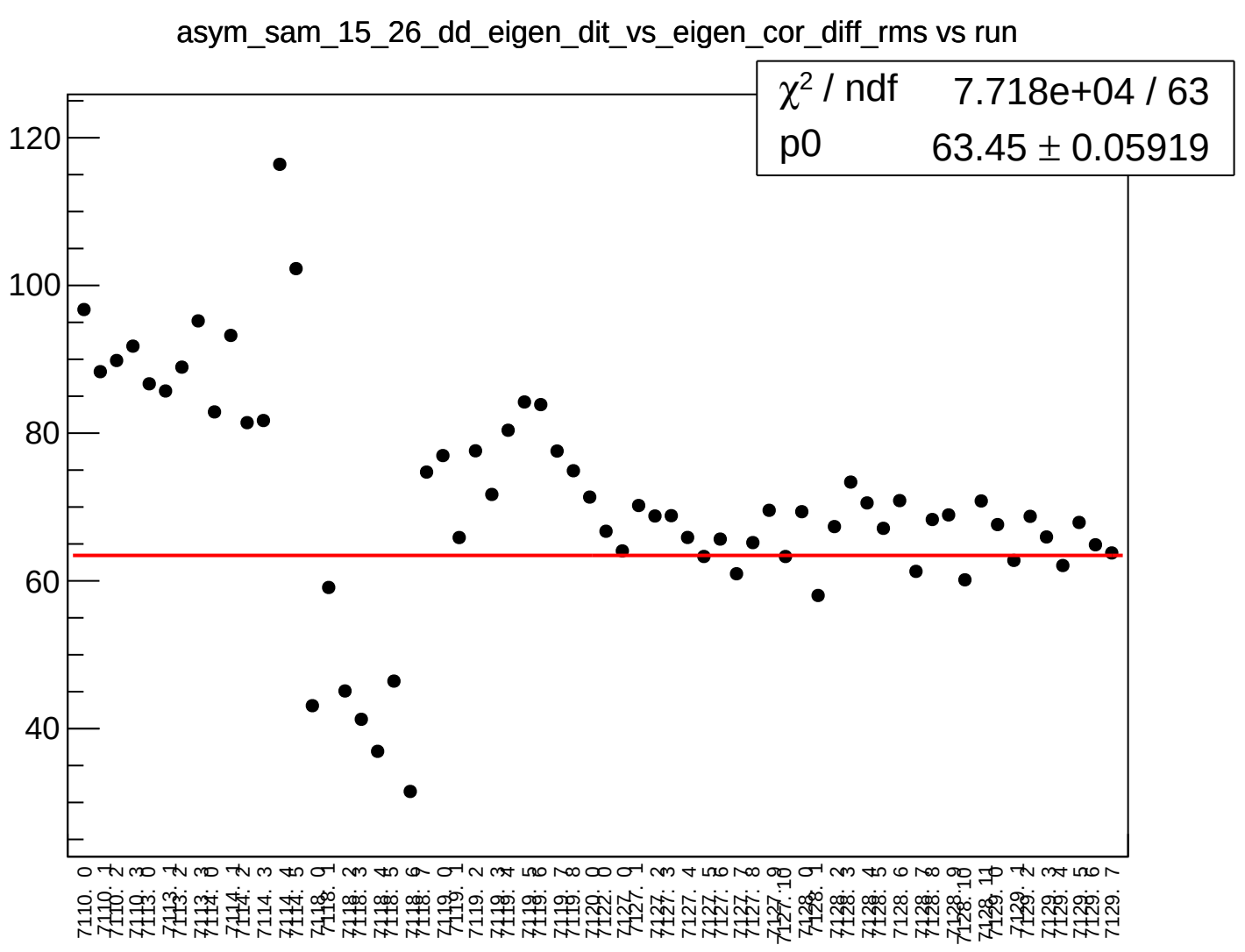

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.03 / 63
p0 0.06462 ± 0.08371
pull
Entries 64
Mean 241.7
Std Dev 0

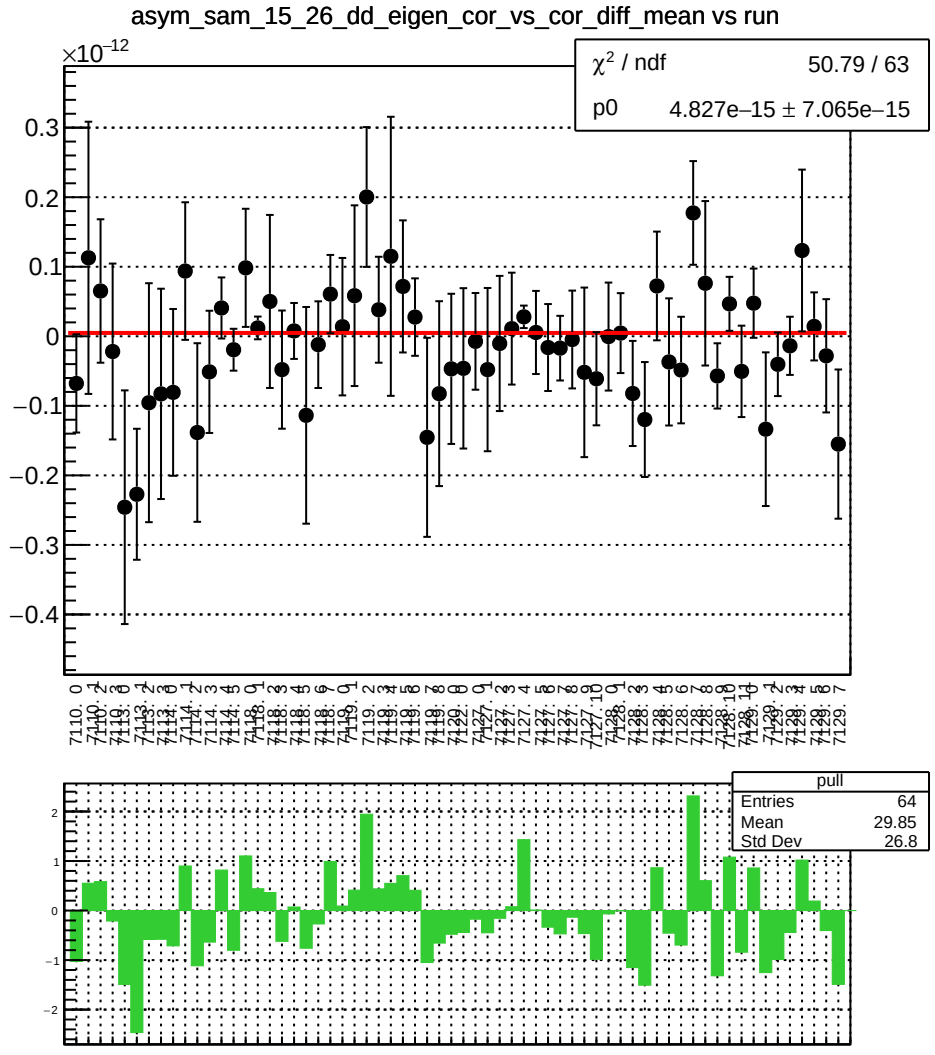

pull1D
Entries 64
Mean 0.02097
Std Dev 0.875

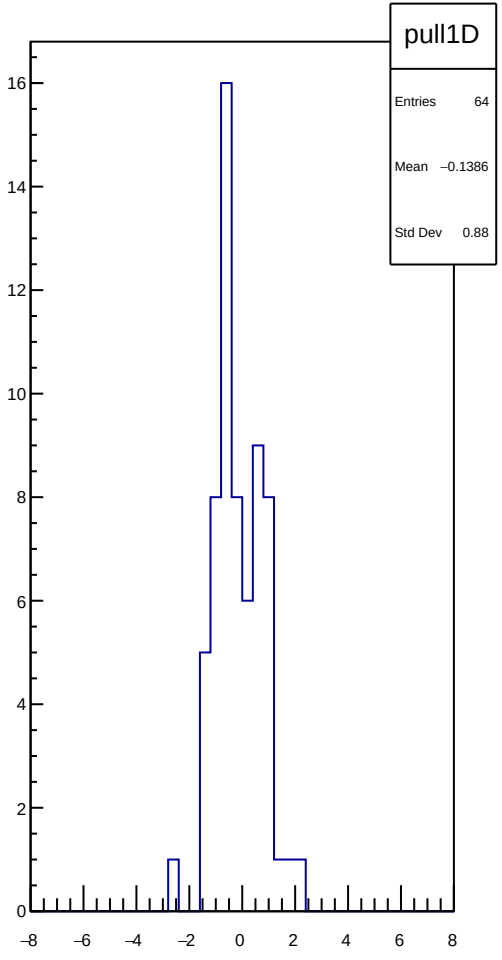

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.718e+04 / 63
p0 63.45 ± 0.05919
120
100
80
60
40

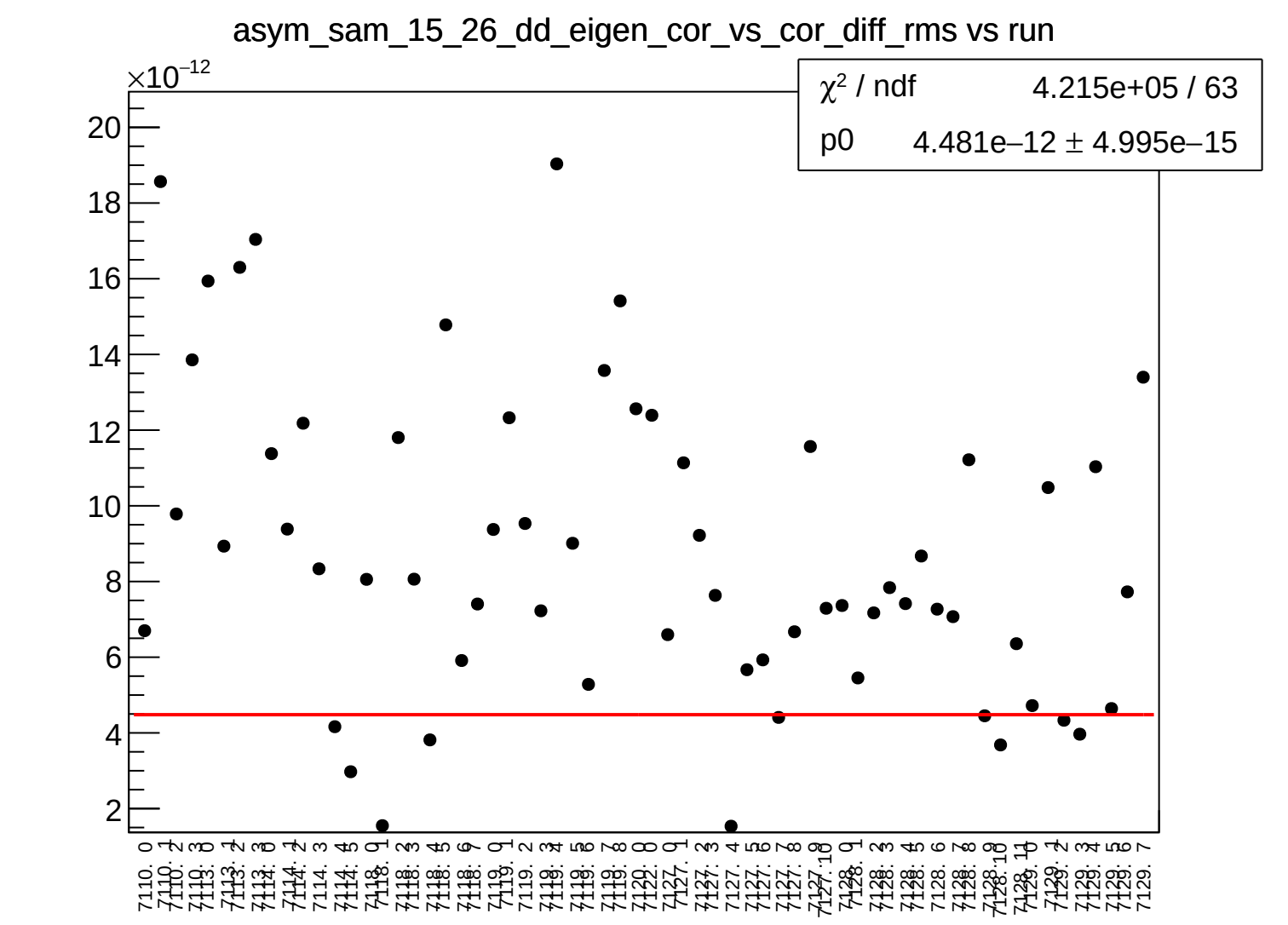

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.03 / 63
p0 0.06462 ± 0.08371
pull
Entries 64
Mean 241.7
Std Dev 0

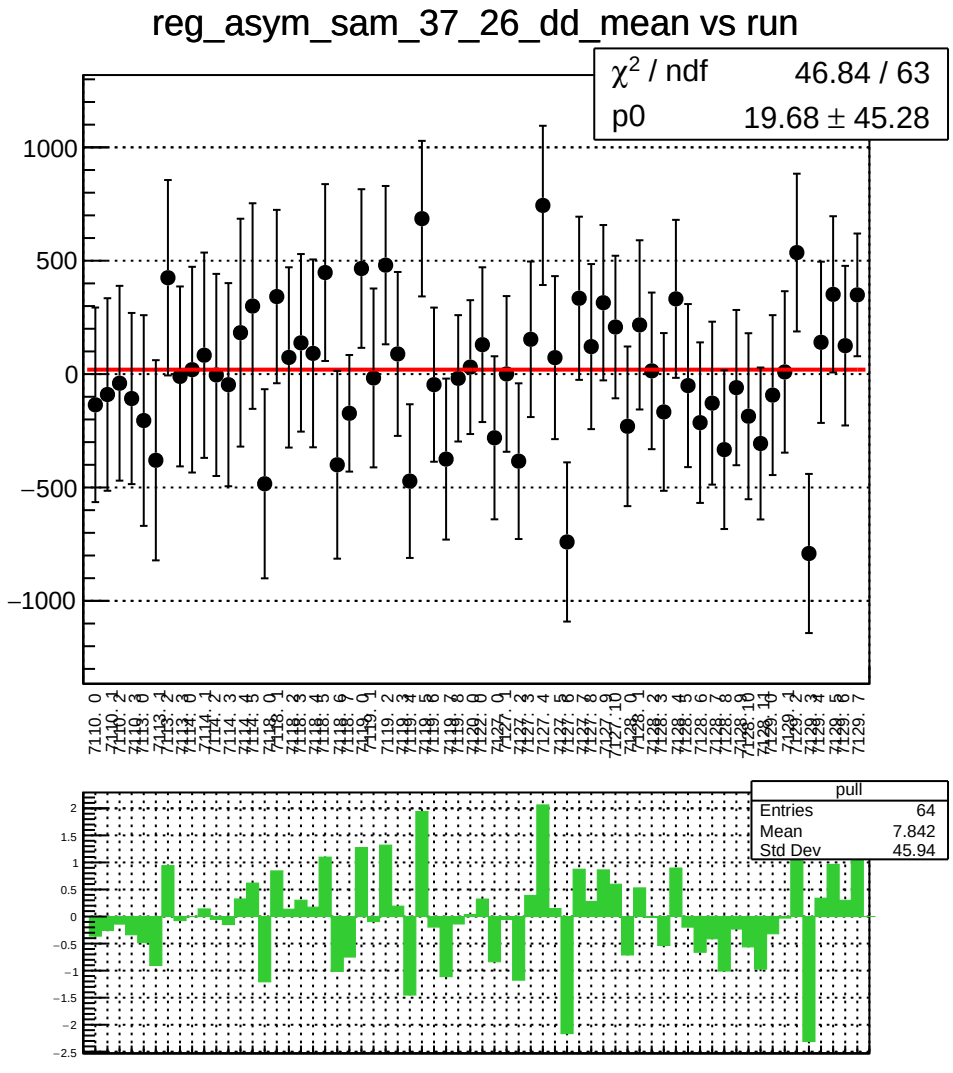

pull1D
Entries 64
Mean 0.02097
Std Dev 0.875

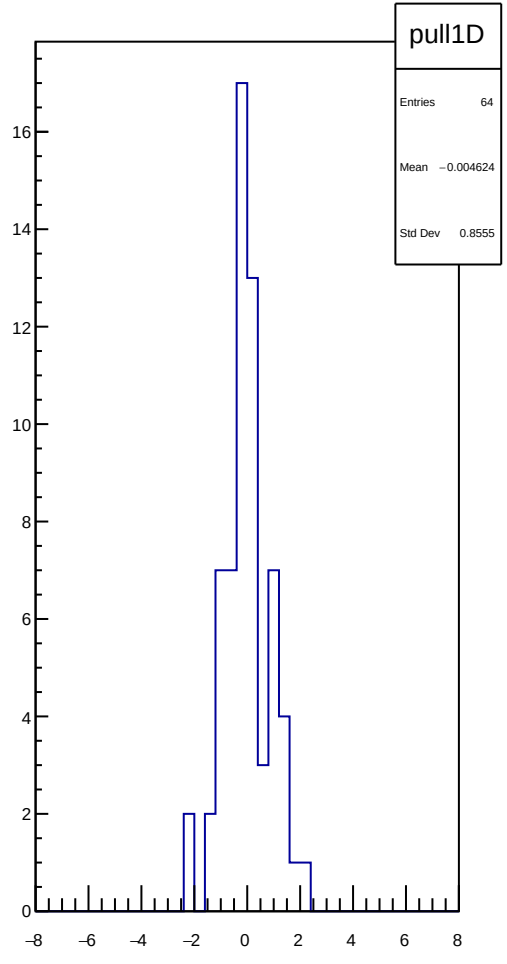

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.718e+04 / 63
p0 63.45 ± 0.05919
120
100
80
60
40

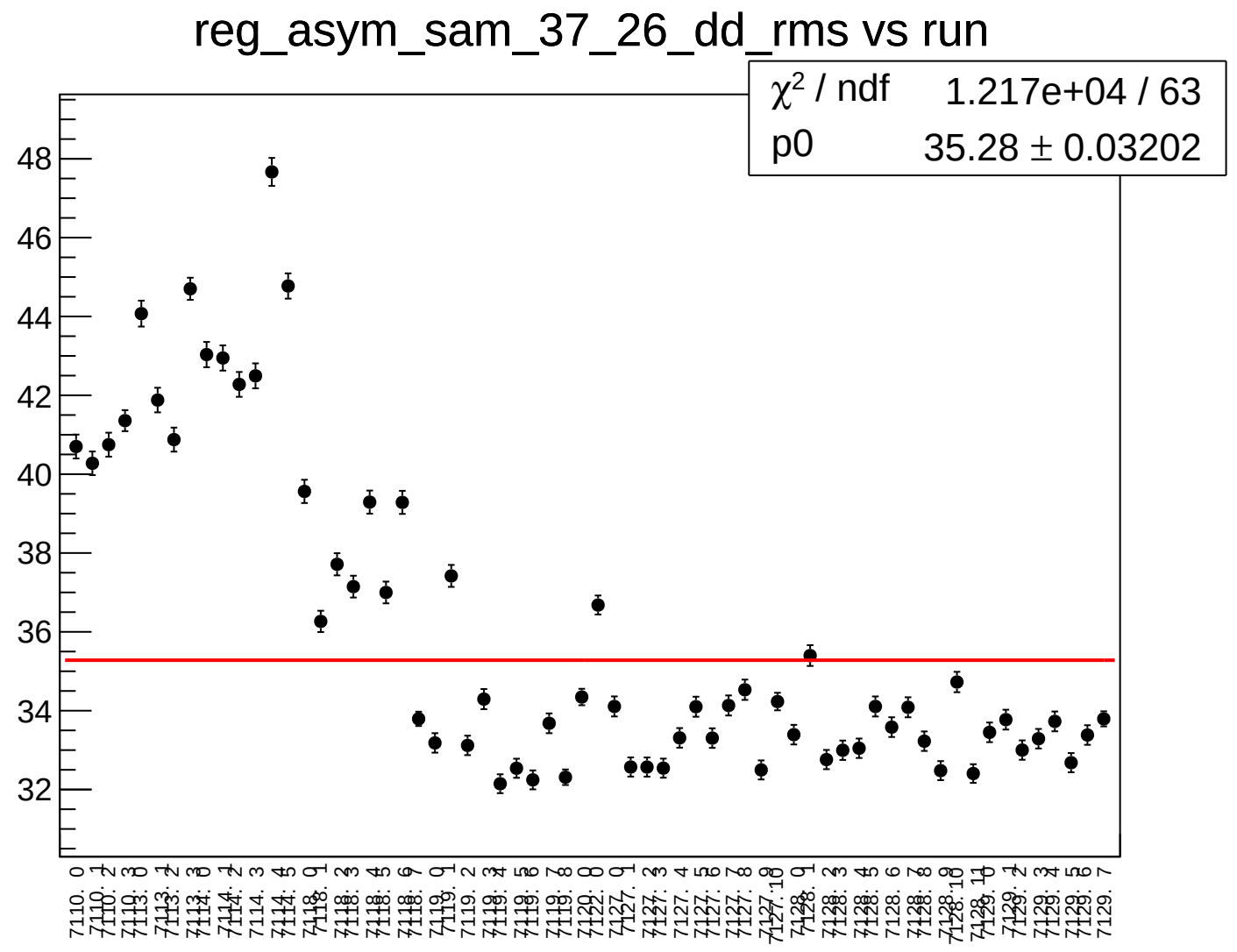

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.79 / 63
p0 4.827e−15 ± 7.065e−15
pull
Entries 64
Mean 29.85
Std Dev 26.8

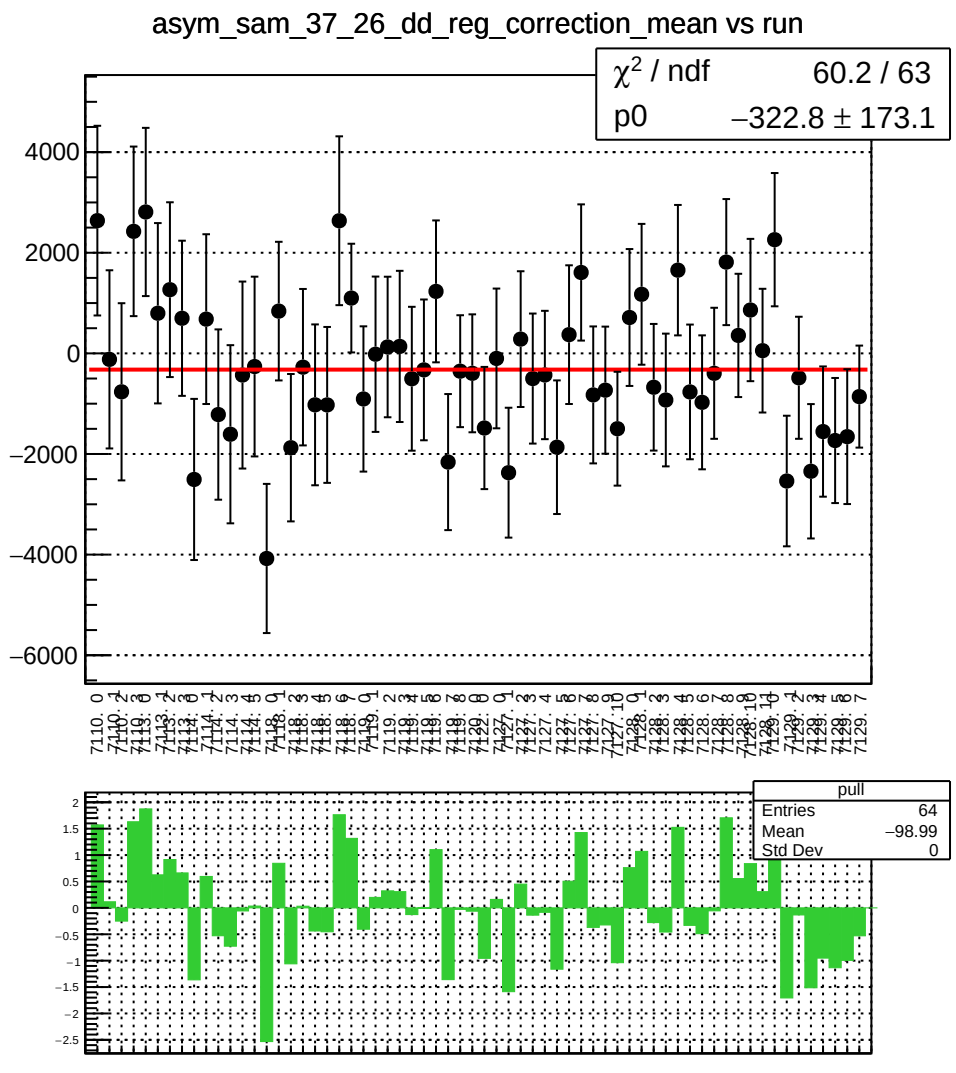

pull1D
Entries 64
Mean −0.1386
Std Dev 0.88

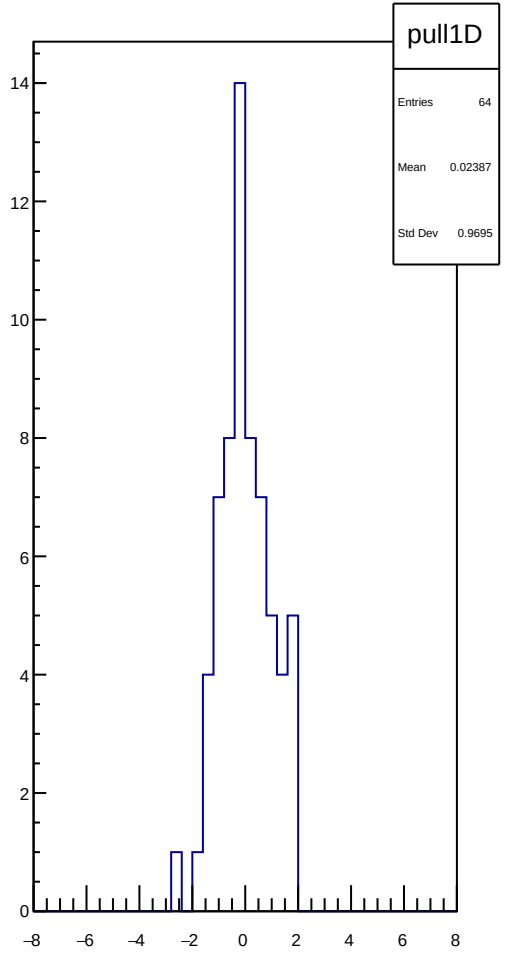

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.215e+05 / 63
p0 4.481e−12 ± 4.995e−15
20
18
16
14
12
10
8
6
4
2

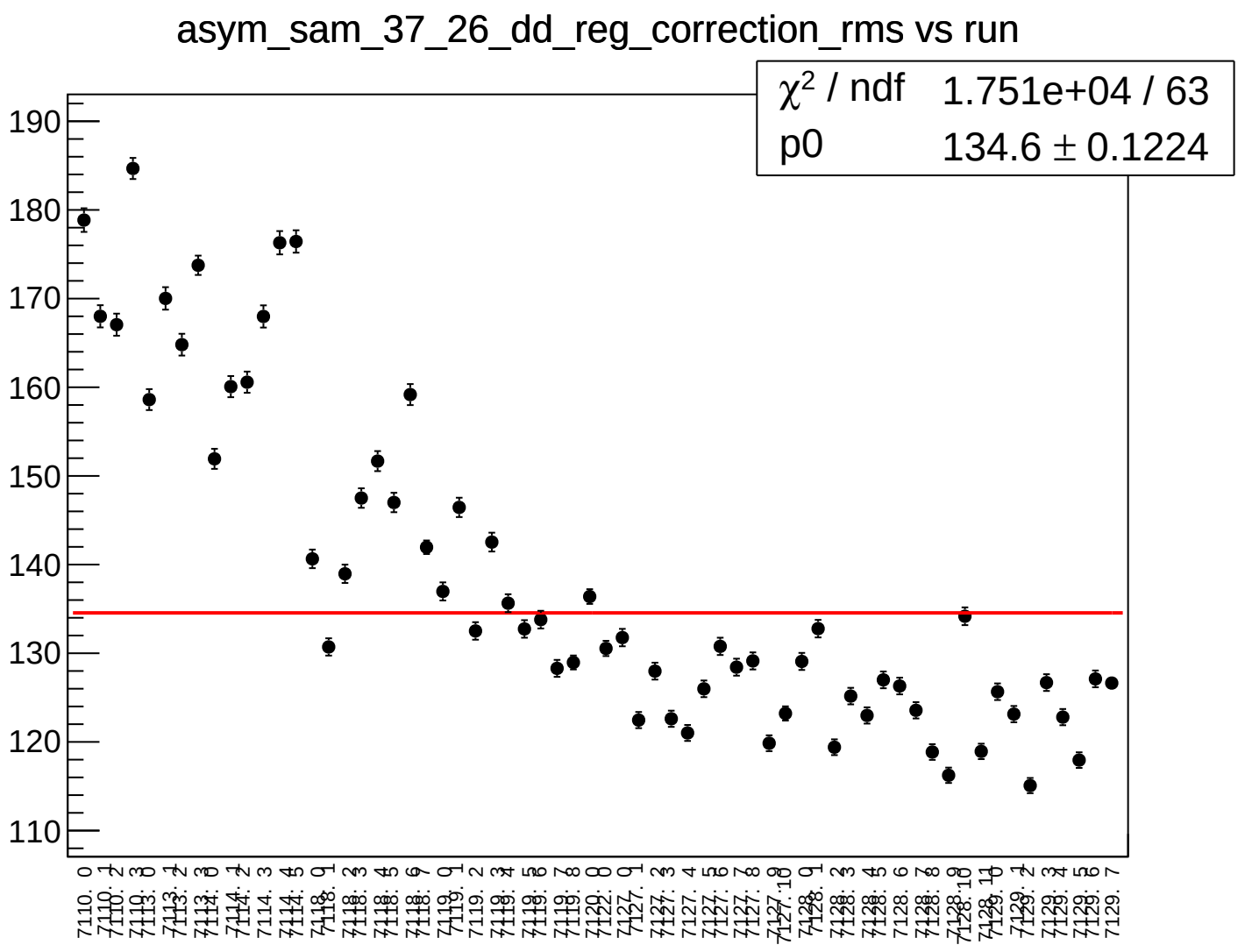

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 46.84 / 63
p0 19.68 ± 45.28
1000
500
0
−500
−1000
pull
Entries 64
Mean 7.842
Std Dev 45.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

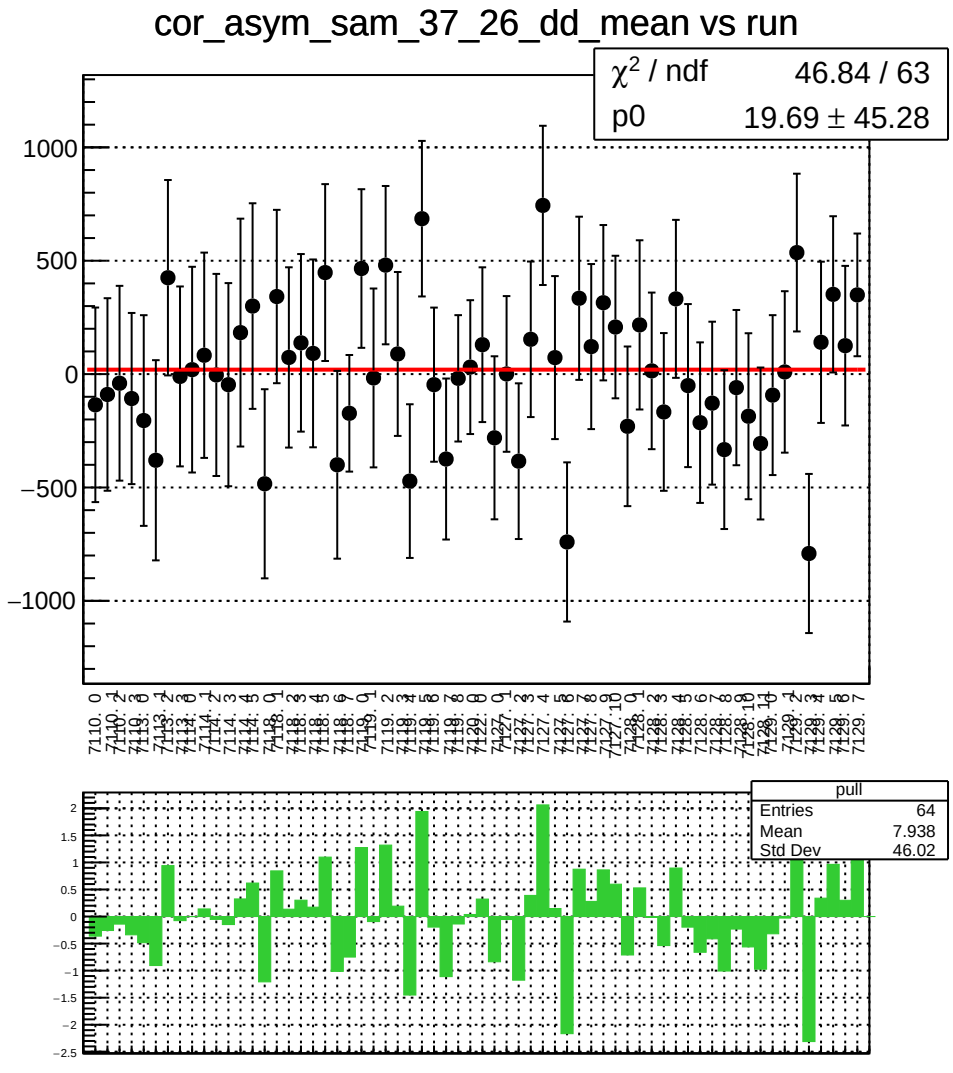

pull1D
Entries 64
Mean −0.004624
Std Dev 0.8555
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

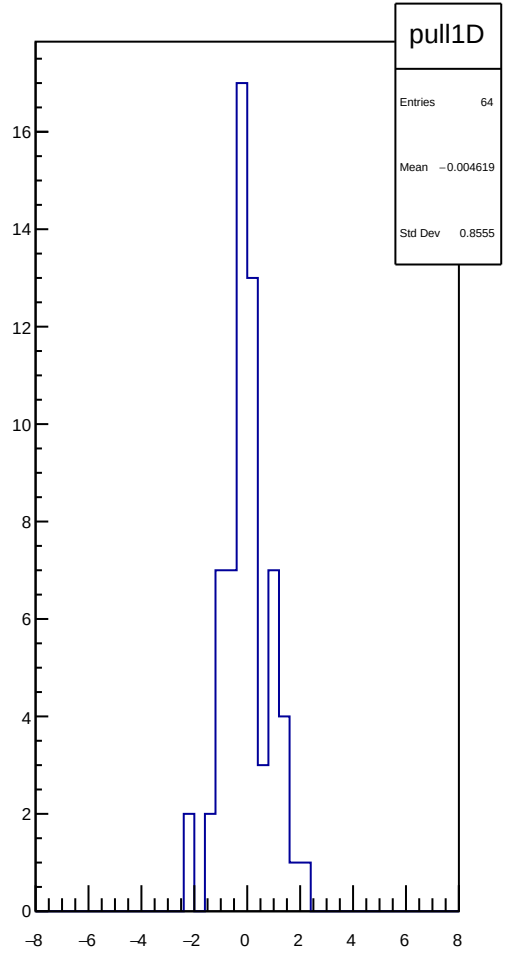

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.217e+04 / 63
p0 35.28 ± 0.03202
48
46
44
42
40
38
36
34
32

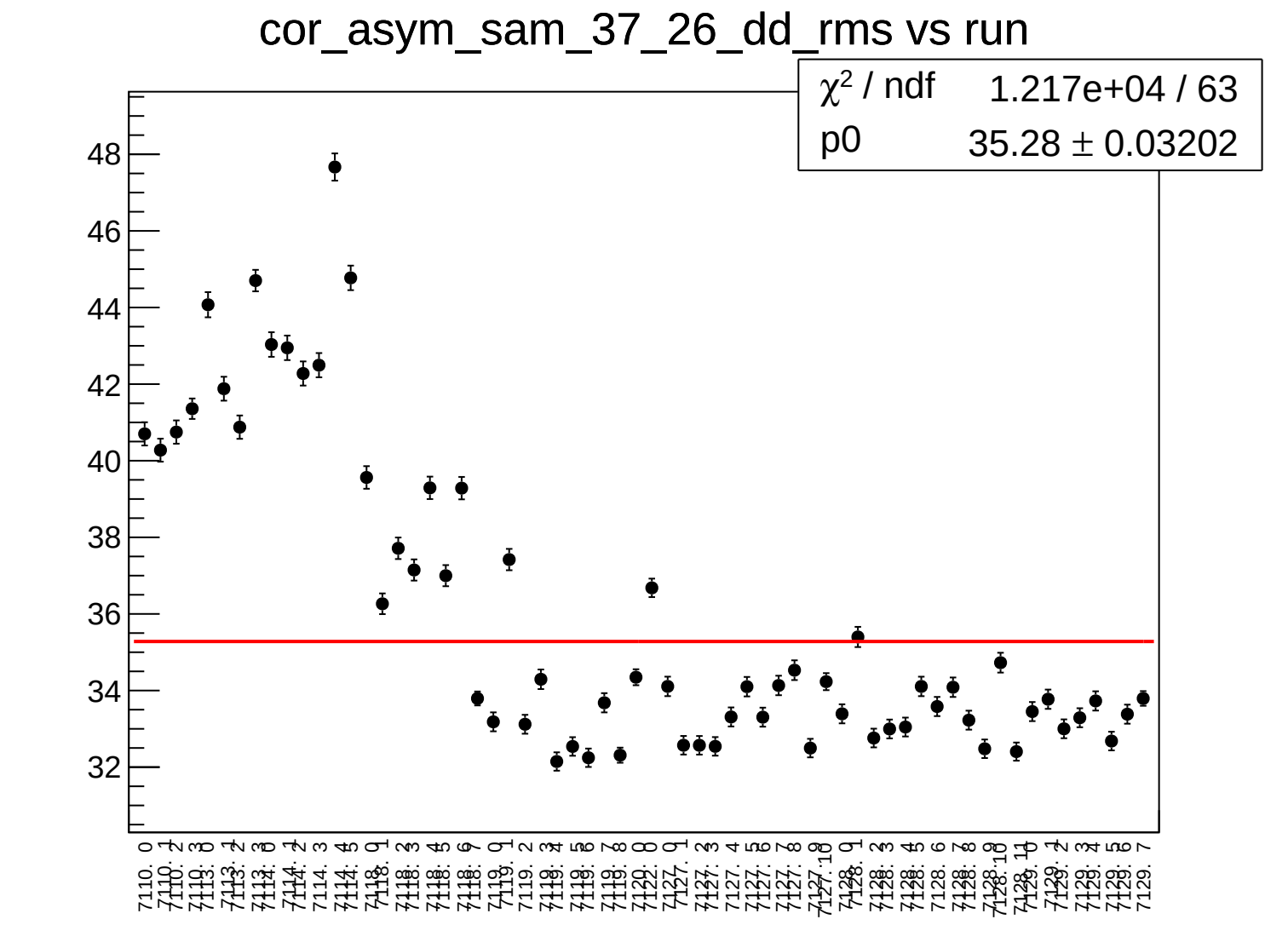

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 60.2 / 63
p0 −322.8 ± 173.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean −98.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

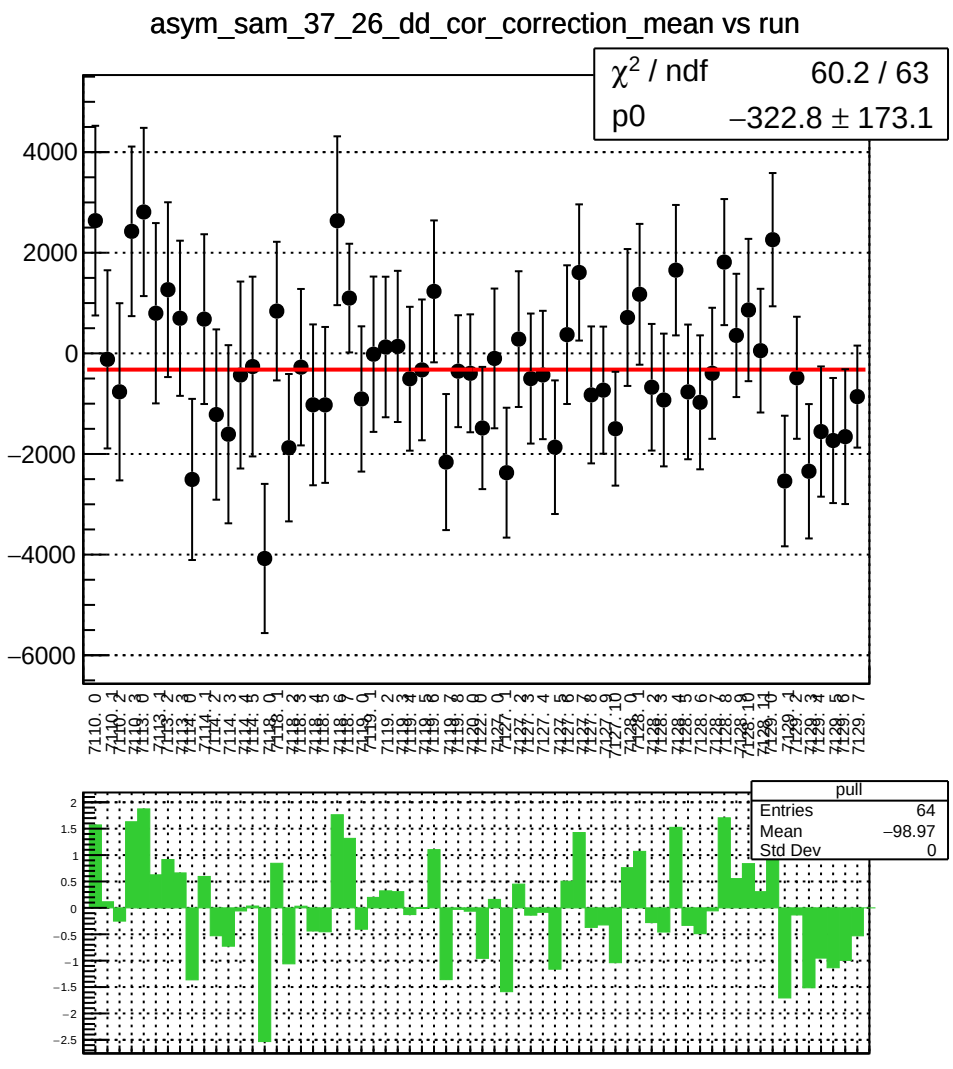

pull1D
Entries 64
Mean 0.02387
Std Dev 0.9695
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

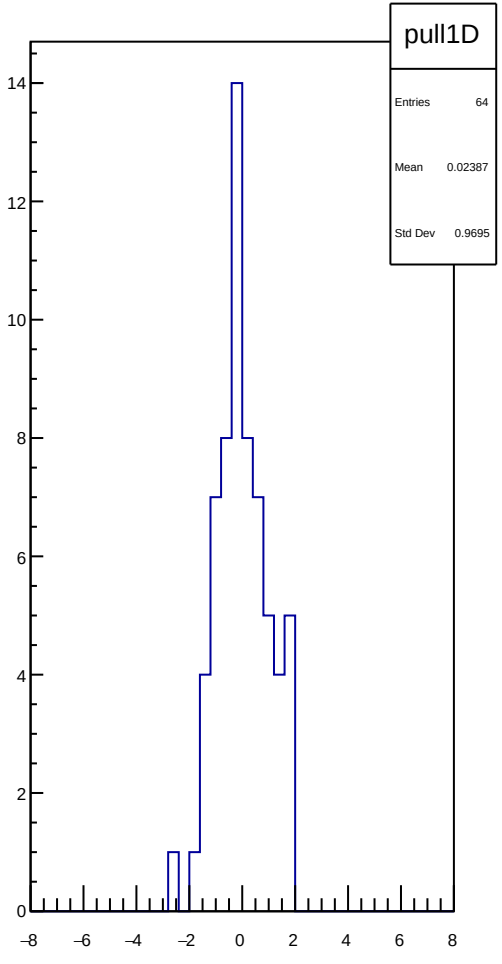

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 1.751e+04 / 63
p0 134.6 ± 0.1224
190
180
170
160
150
140
130
120
110

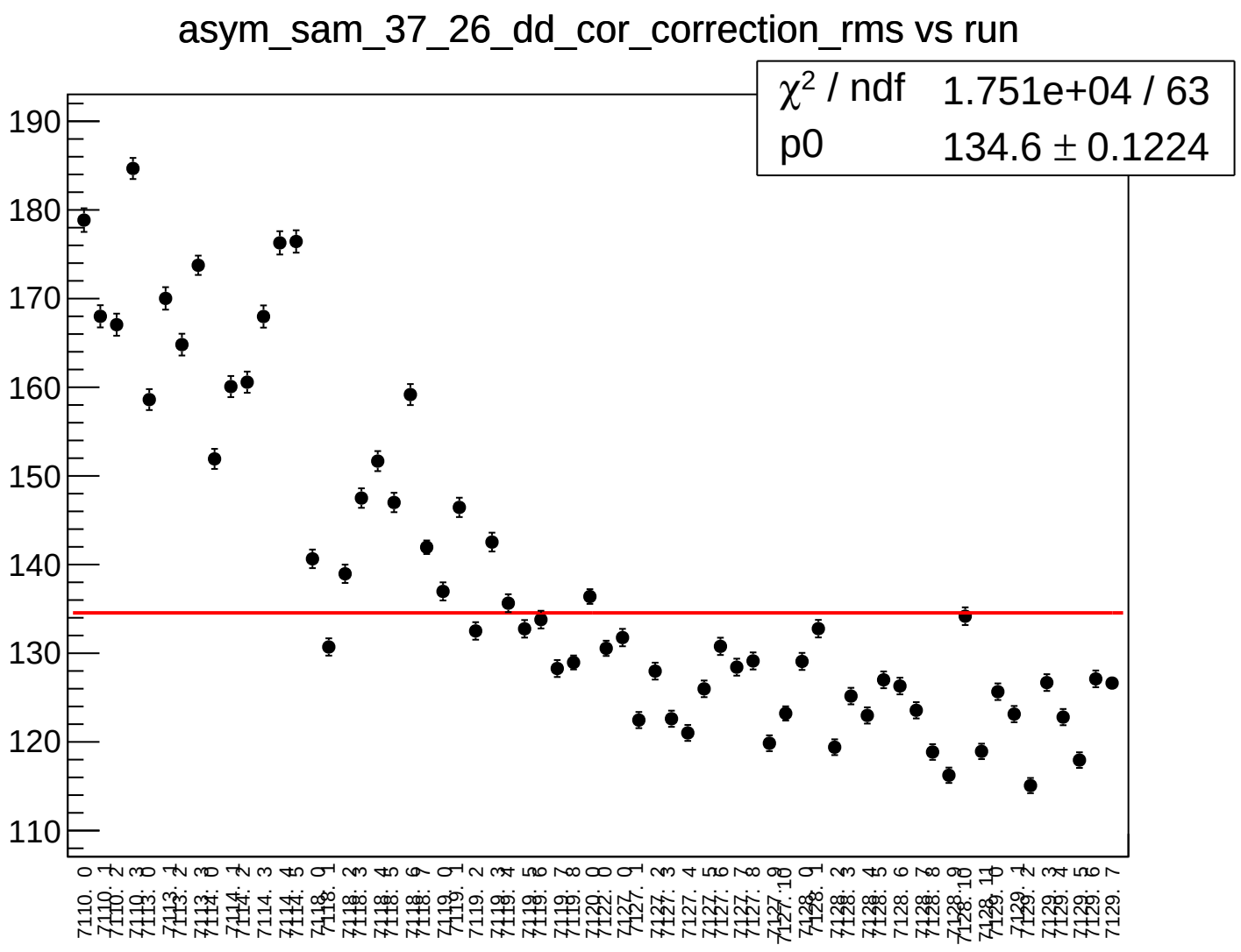

cor_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 46.84 / 63
p0 19.69 ± 45.28
1000
500
0
−500
−1000
pull
Entries 64
Mean 7.938
Std Dev 46.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

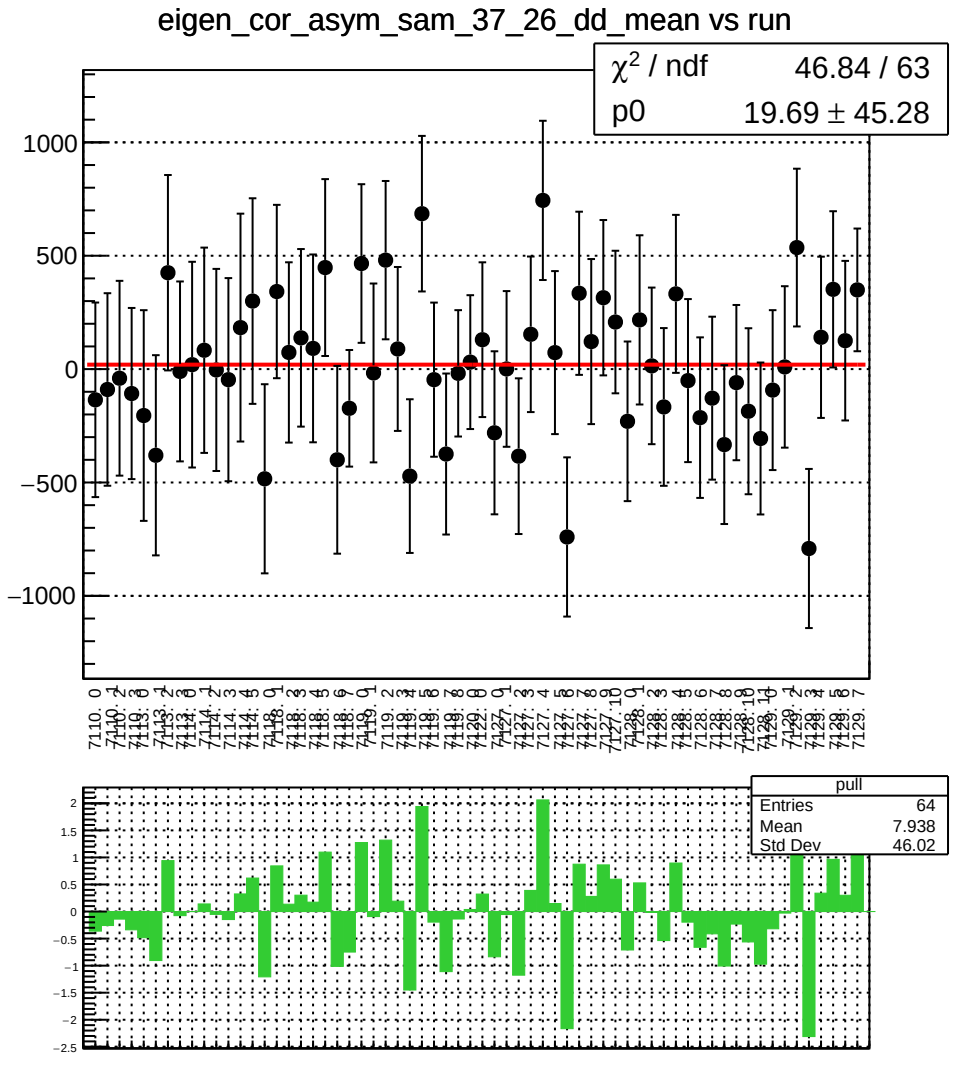

pull1D
Entries 64
Mean −0.004619
Std Dev 0.8555
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

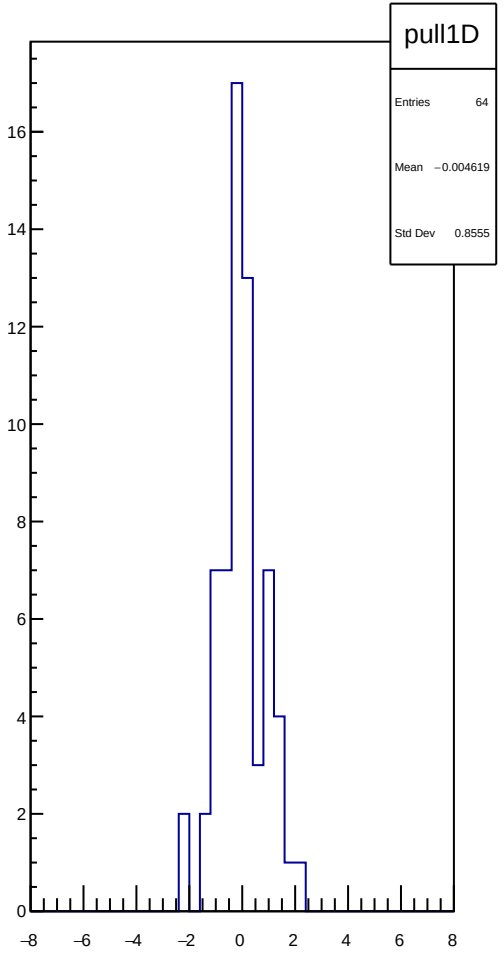

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.217e+04 / 63
p0 35.28 ± 0.03202
48
46
44
42
40
38
36
34
32

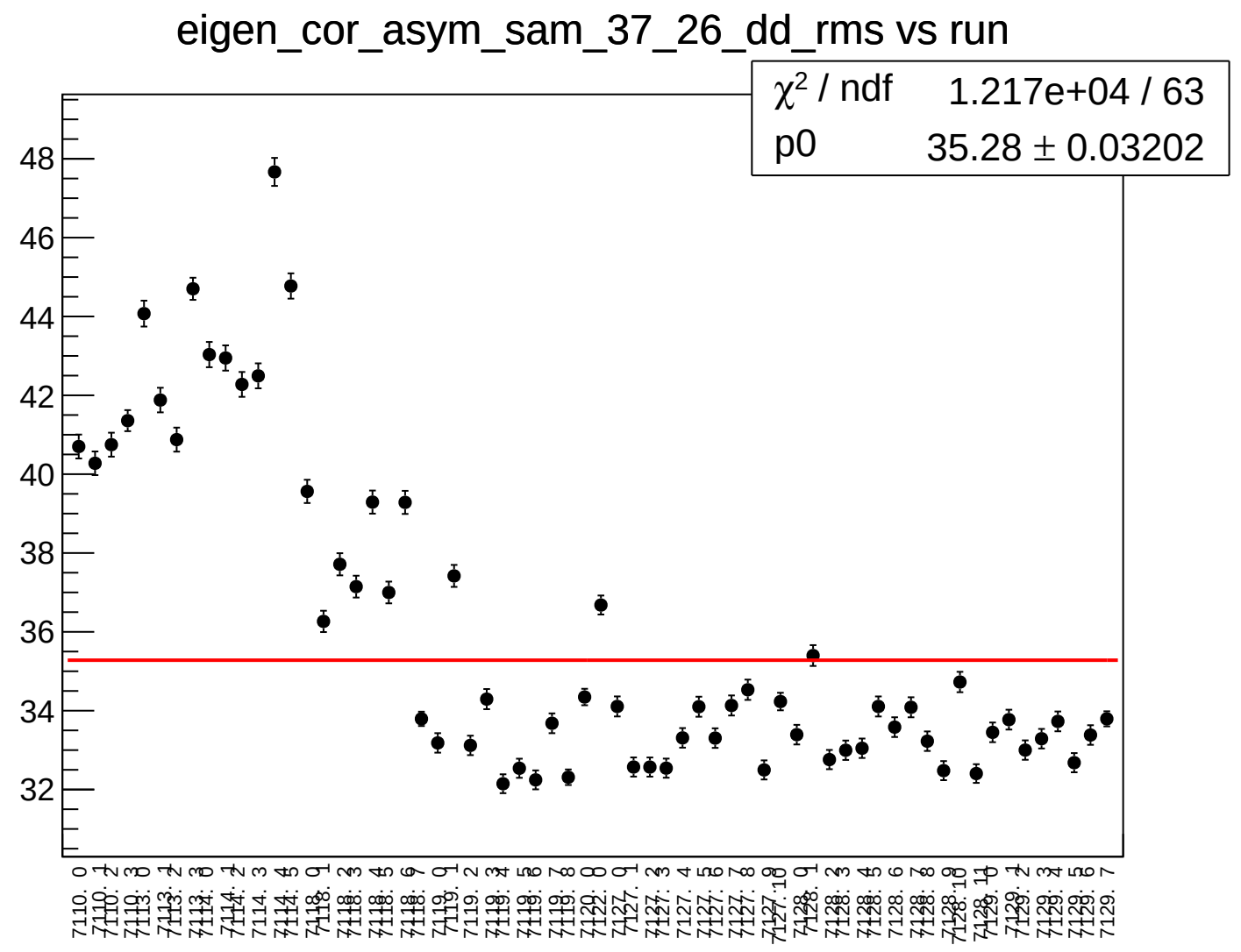

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 60.2 / 63
p0 −322.8 ± 173.1
pull
Entries 64
Mean −98.97
Std Dev 0

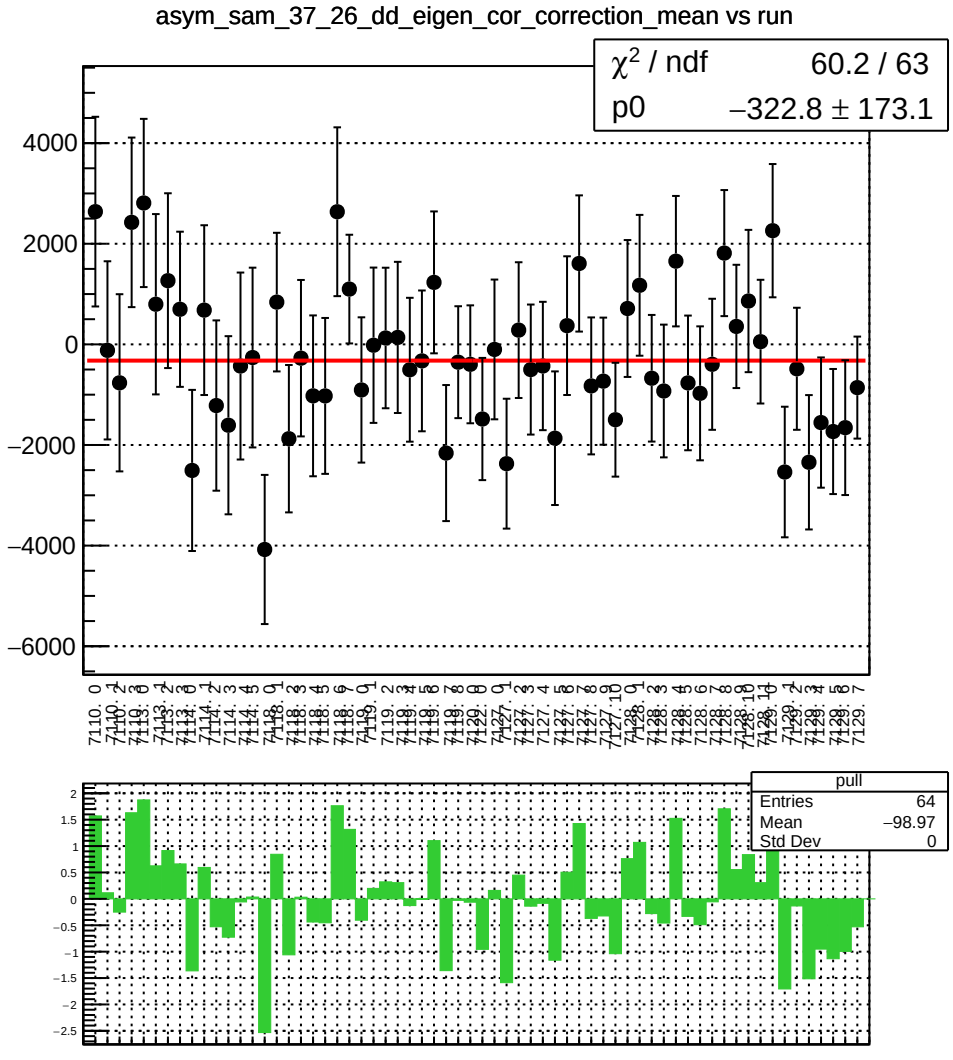

pull1D
Entries 64
Mean 0.02387
Std Dev 0.9695

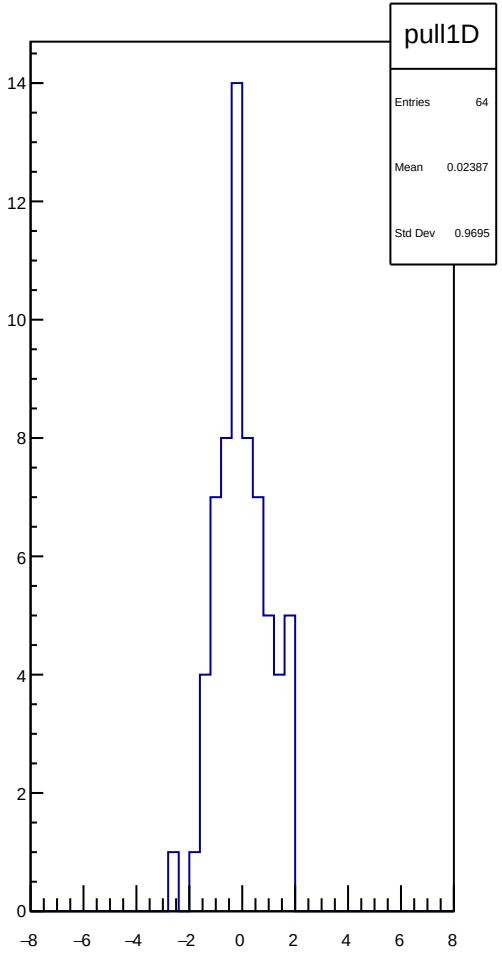

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 1.751e+04 / 63
p0 134.6 ± 0.1224
190
180
170
160
150
140
130
120
110

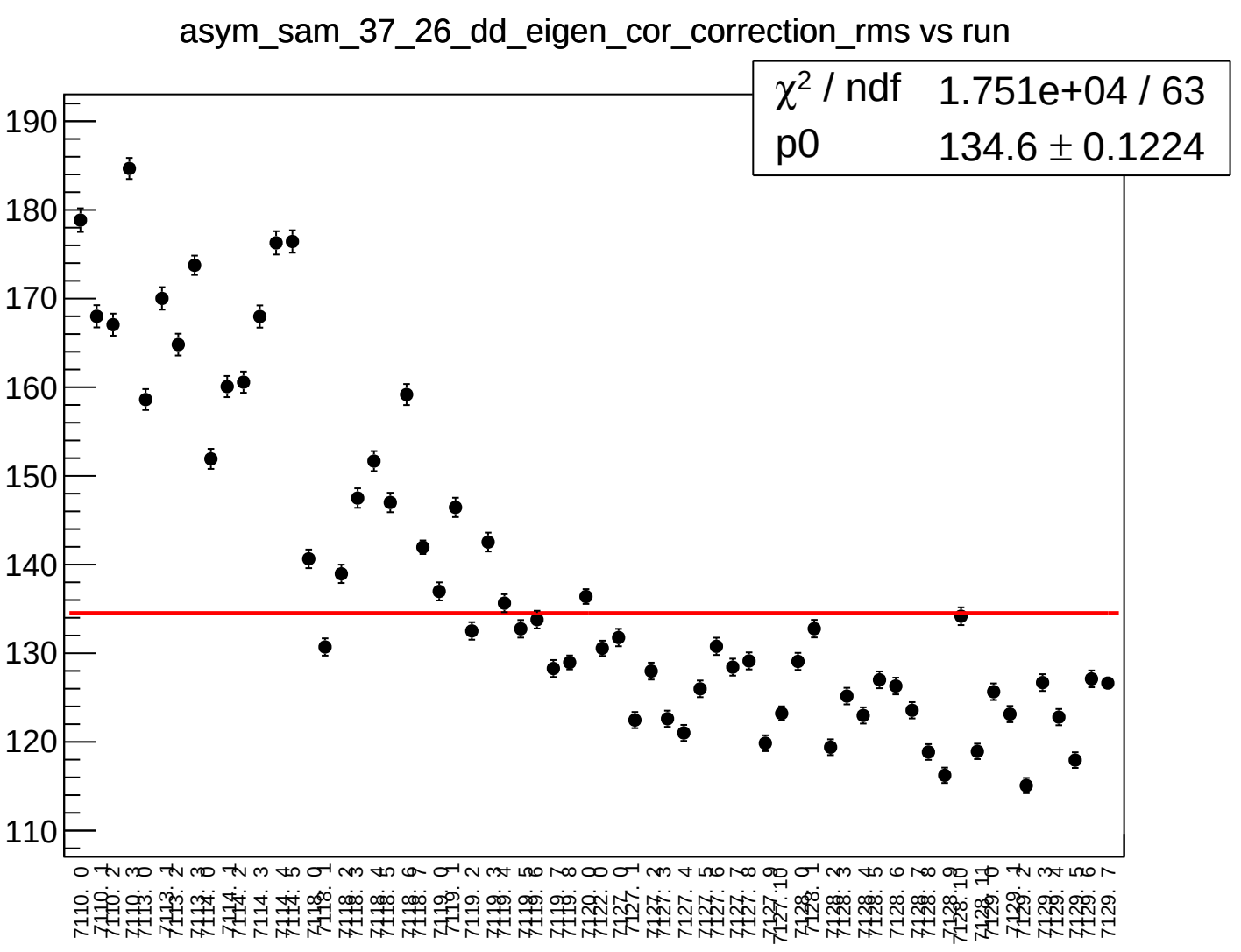

eigen_cor_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 46.84 / 63
p0 19.69 ± 45.28
1000
500
0
−500
−1000
pull
Entries 64
Mean 7.938
Std Dev 46.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

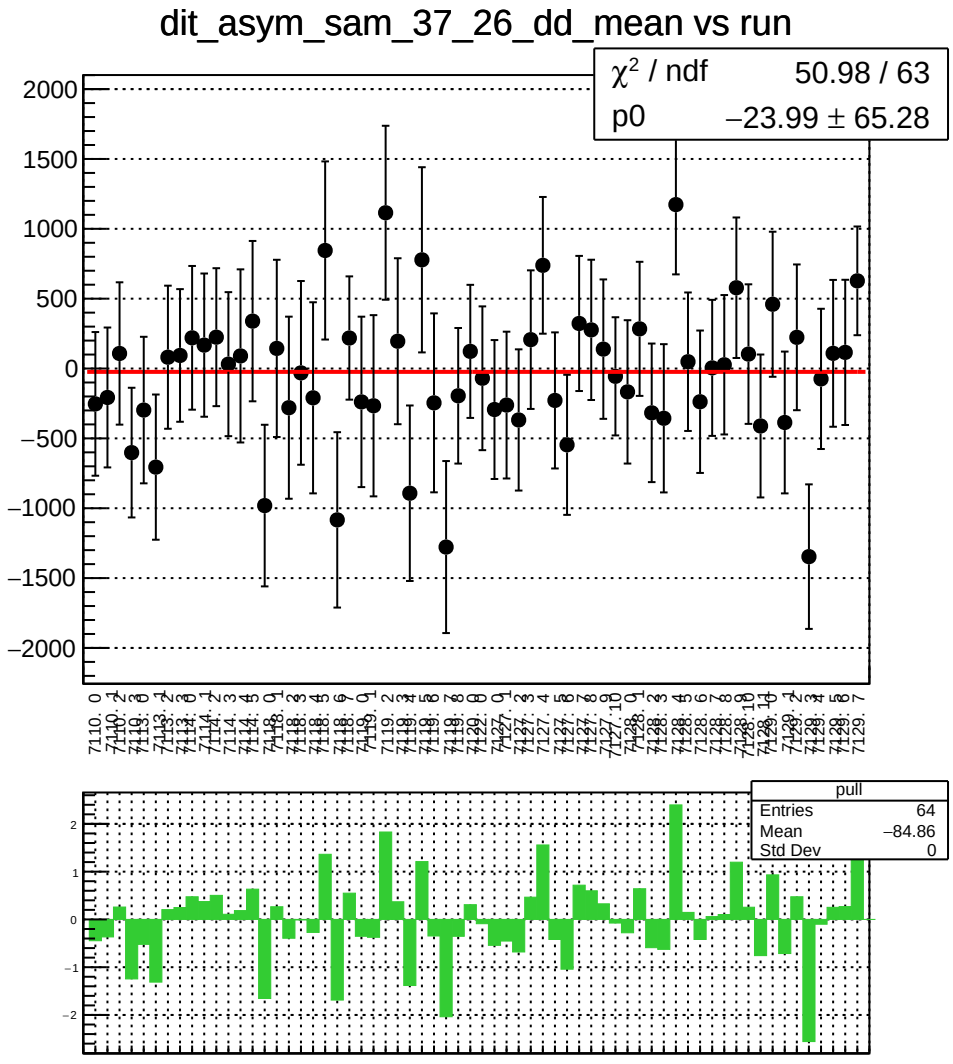

pull1D
Entries 64
Mean −0.004619
Std Dev 0.8555
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

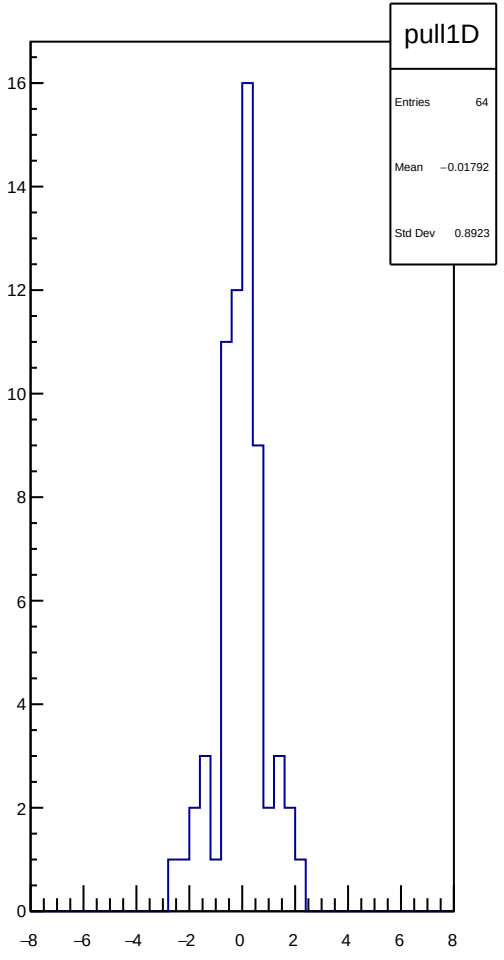

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.217e+04 / 63
p0 35.28 ± 0.03202
48
46
44
42
40
38
36
34
32

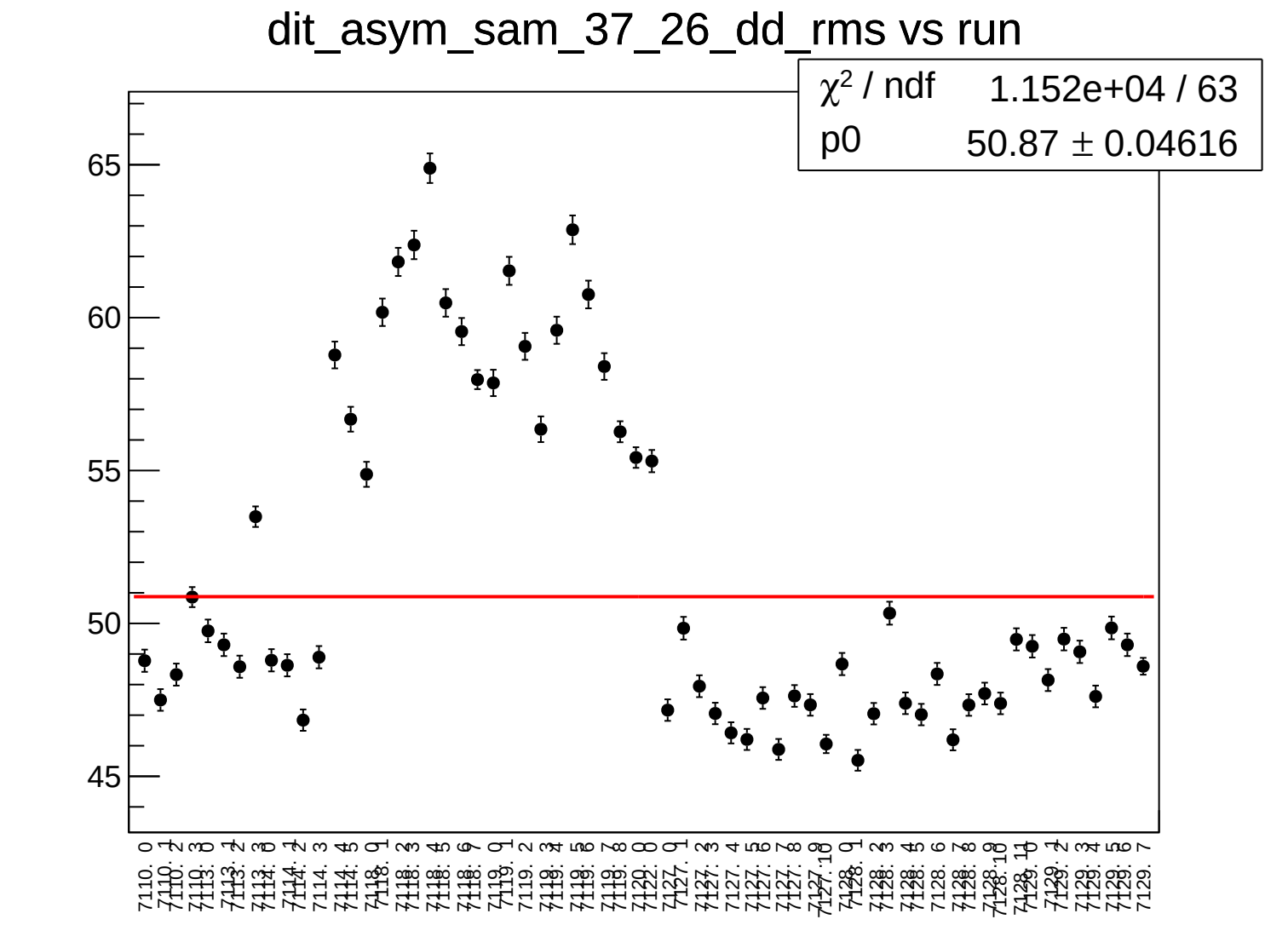

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.2 / 63
p0 −322.8 ± 173.1
pull
Entries 64
Mean −98.97
Std Dev 0

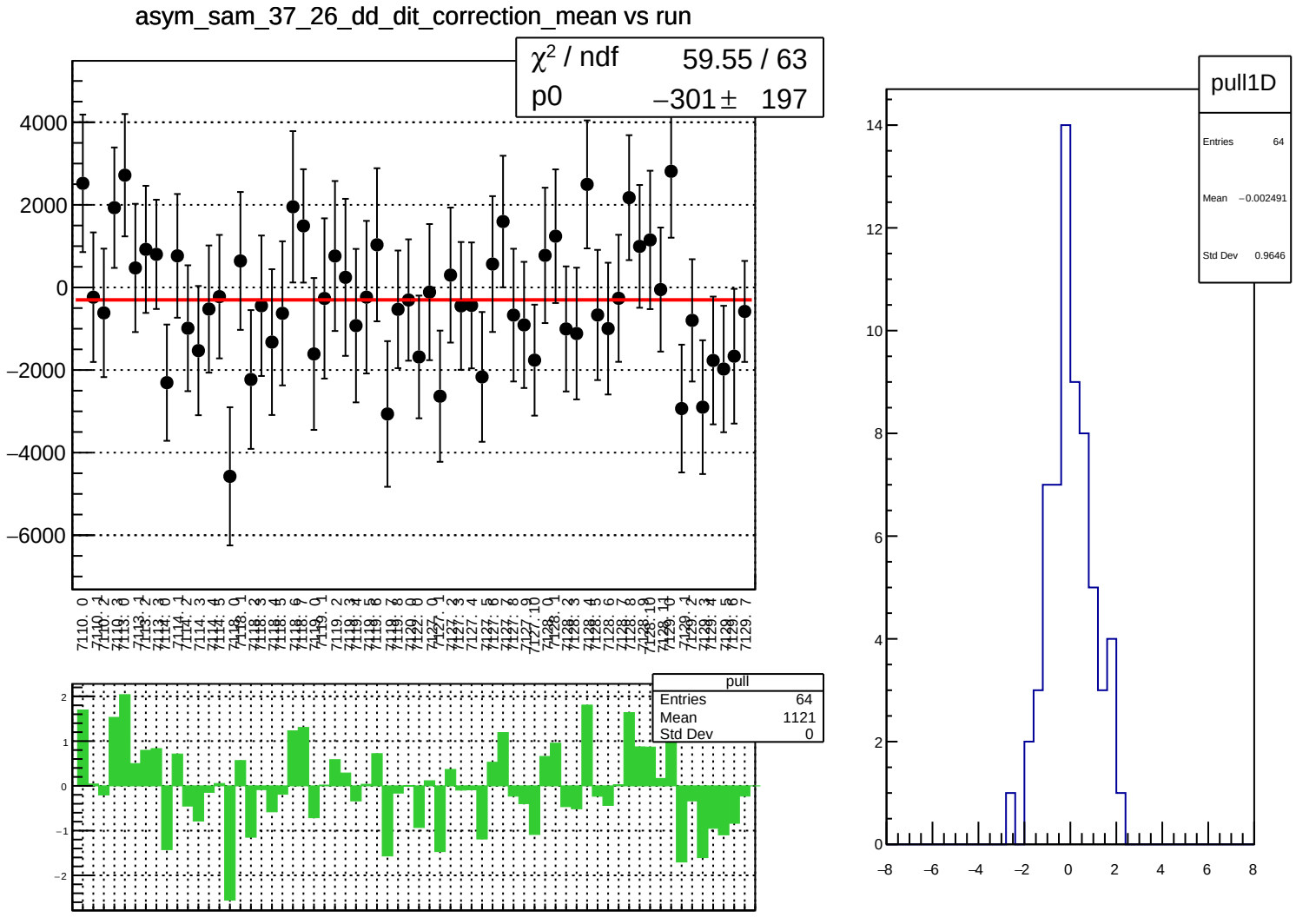

pull1D
Entries 64
Mean 0.02387
Std Dev 0.9695

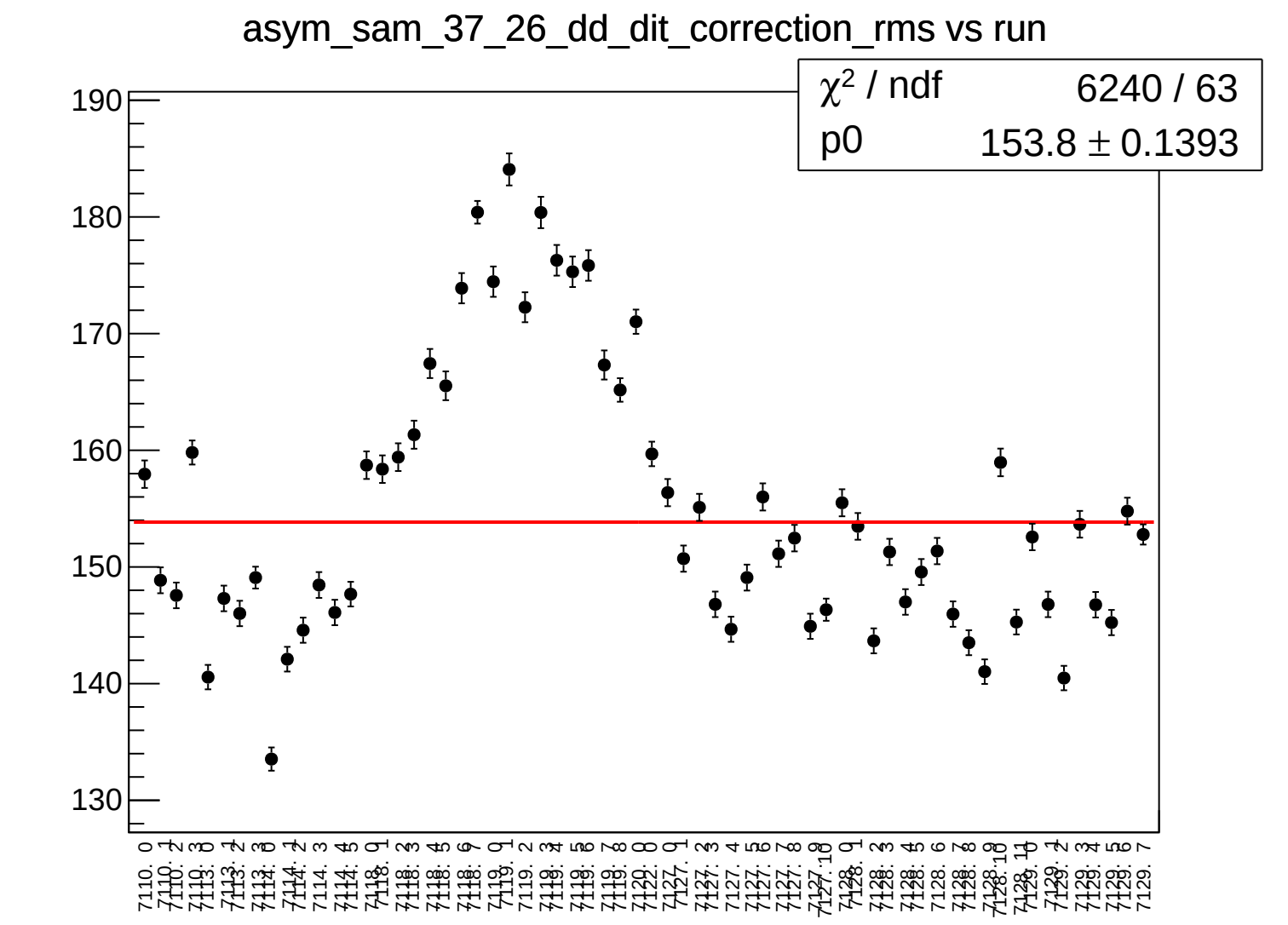

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.751e+04 / 63
p0 134.6 ± 0.1224
190
180
170
160
150
140
130
120
110

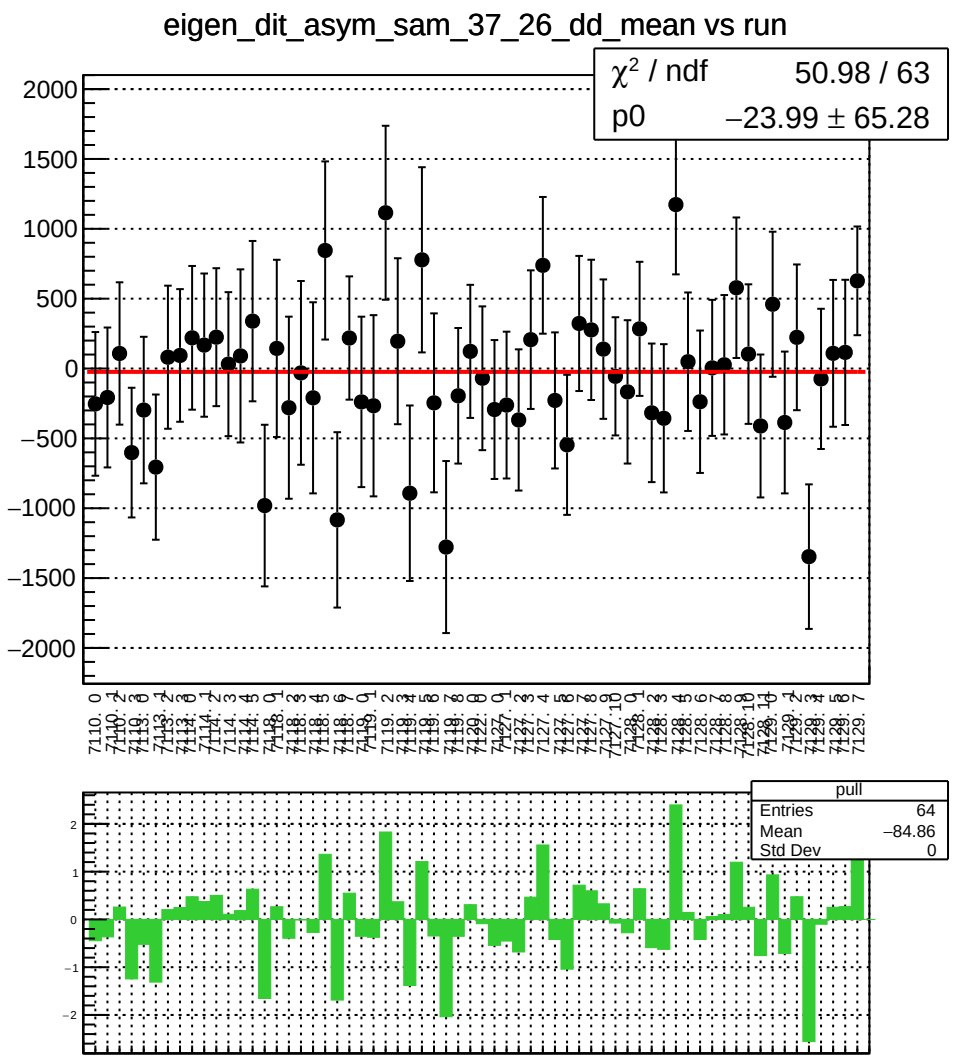

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.98 / 63
p0 −23.99 ± 65.28
pull
Entries 64
Mean −84.86
Std Dev 0

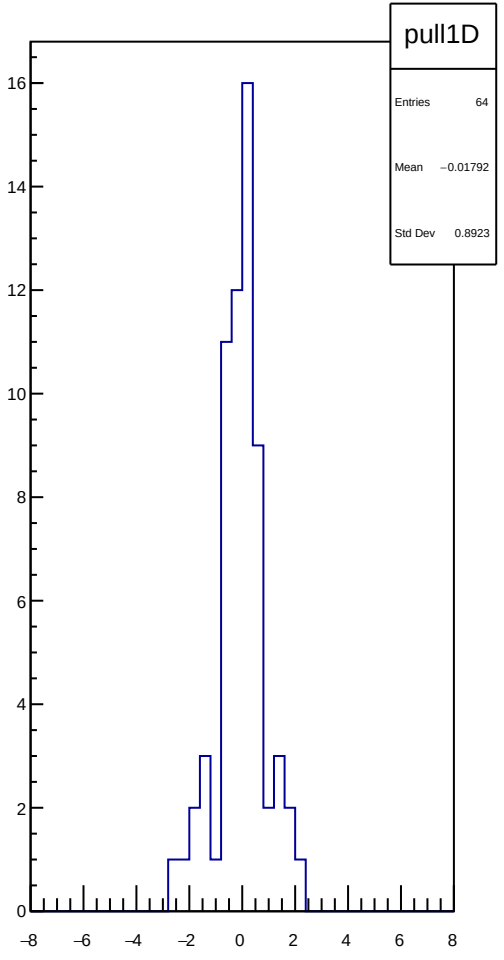

pull1D
Entries 64
Mean −0.01792
Std Dev 0.8923

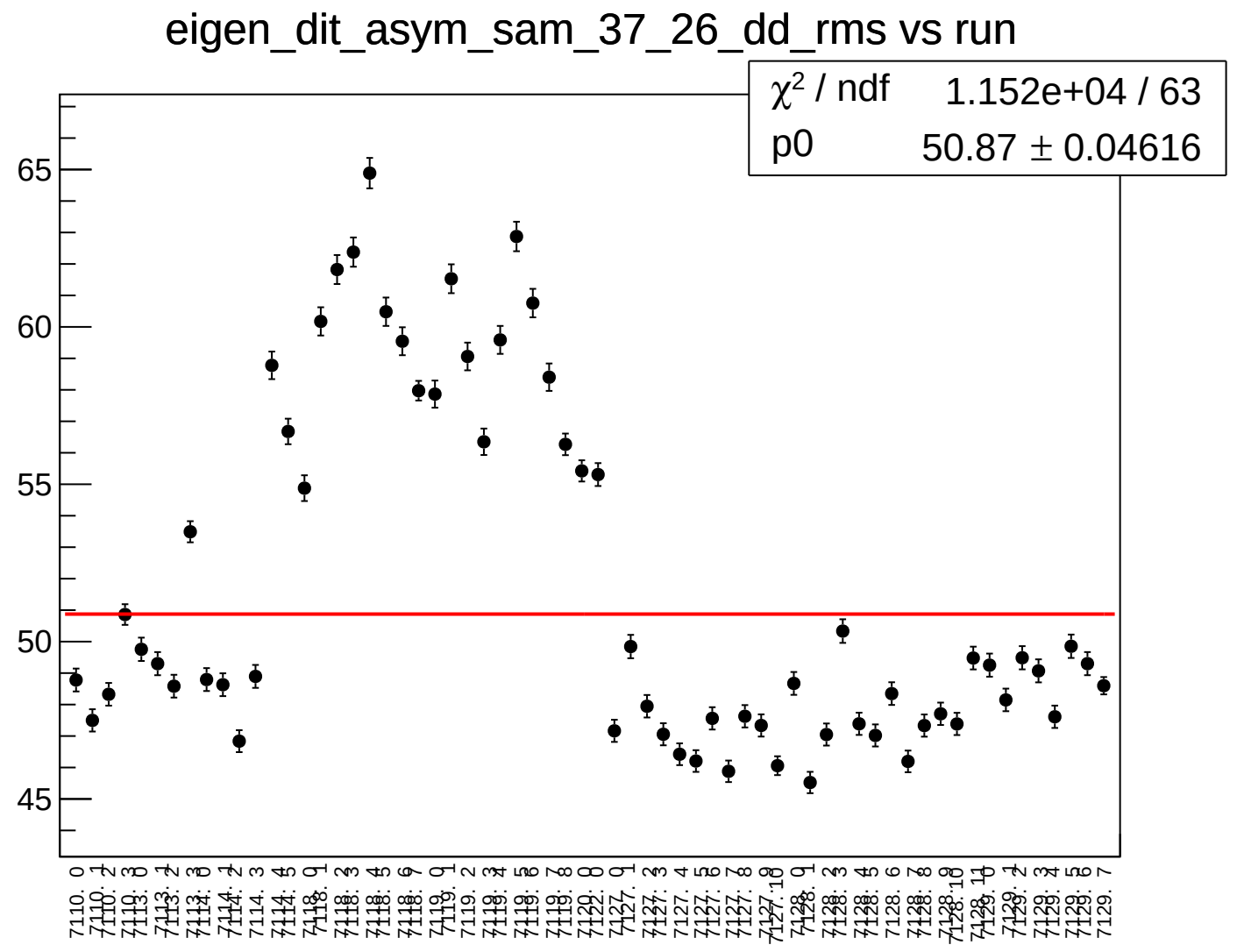

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.152e+04 / 63
p0 50.87 ± 0.04616
65
60
55
50
45

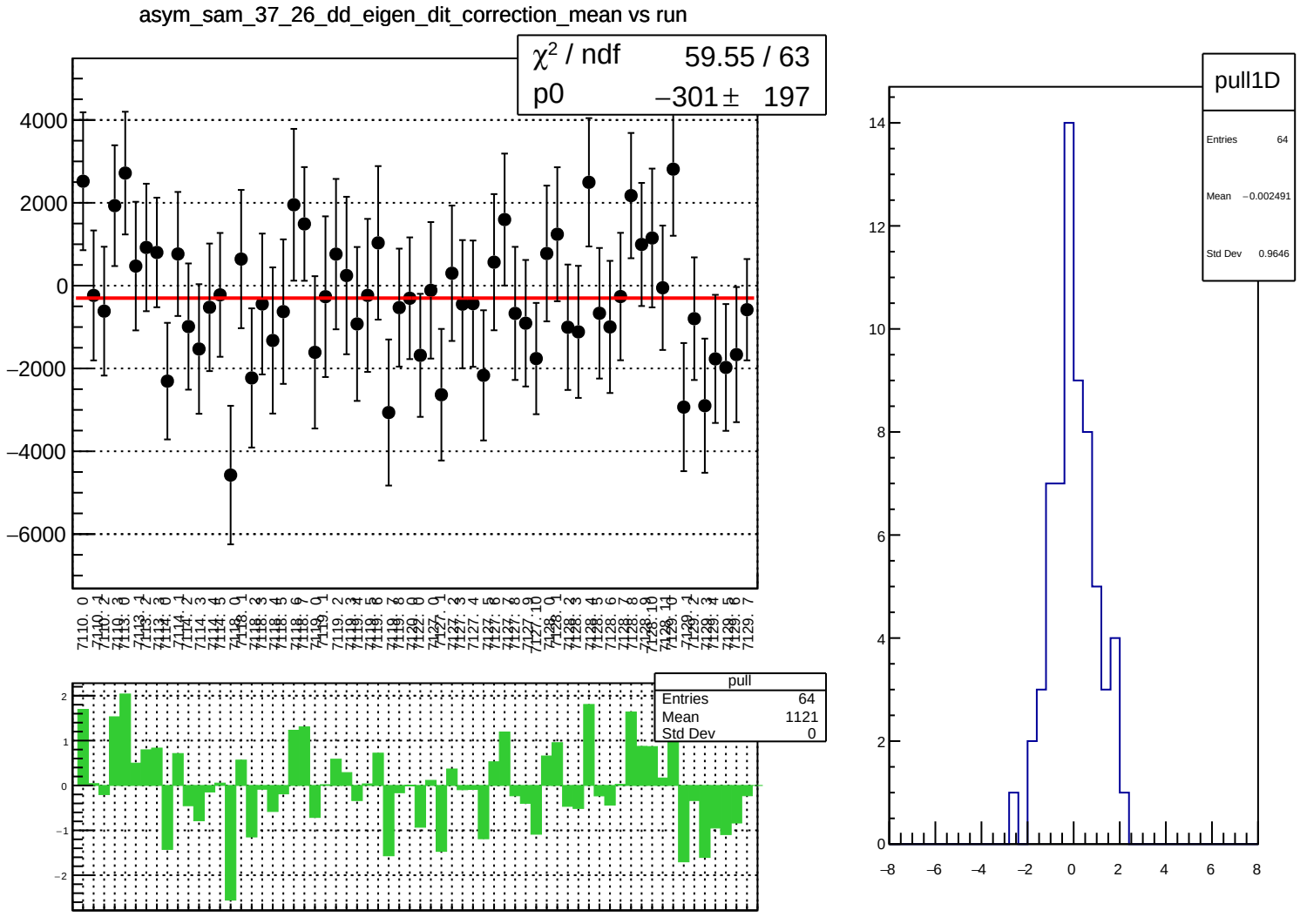

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 59.55 / 63
p0 −301 ± 197
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean 1121
Std Dev 0
pull1D
Entries 64
Mean −0.002491
Std Dev 0.9646
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

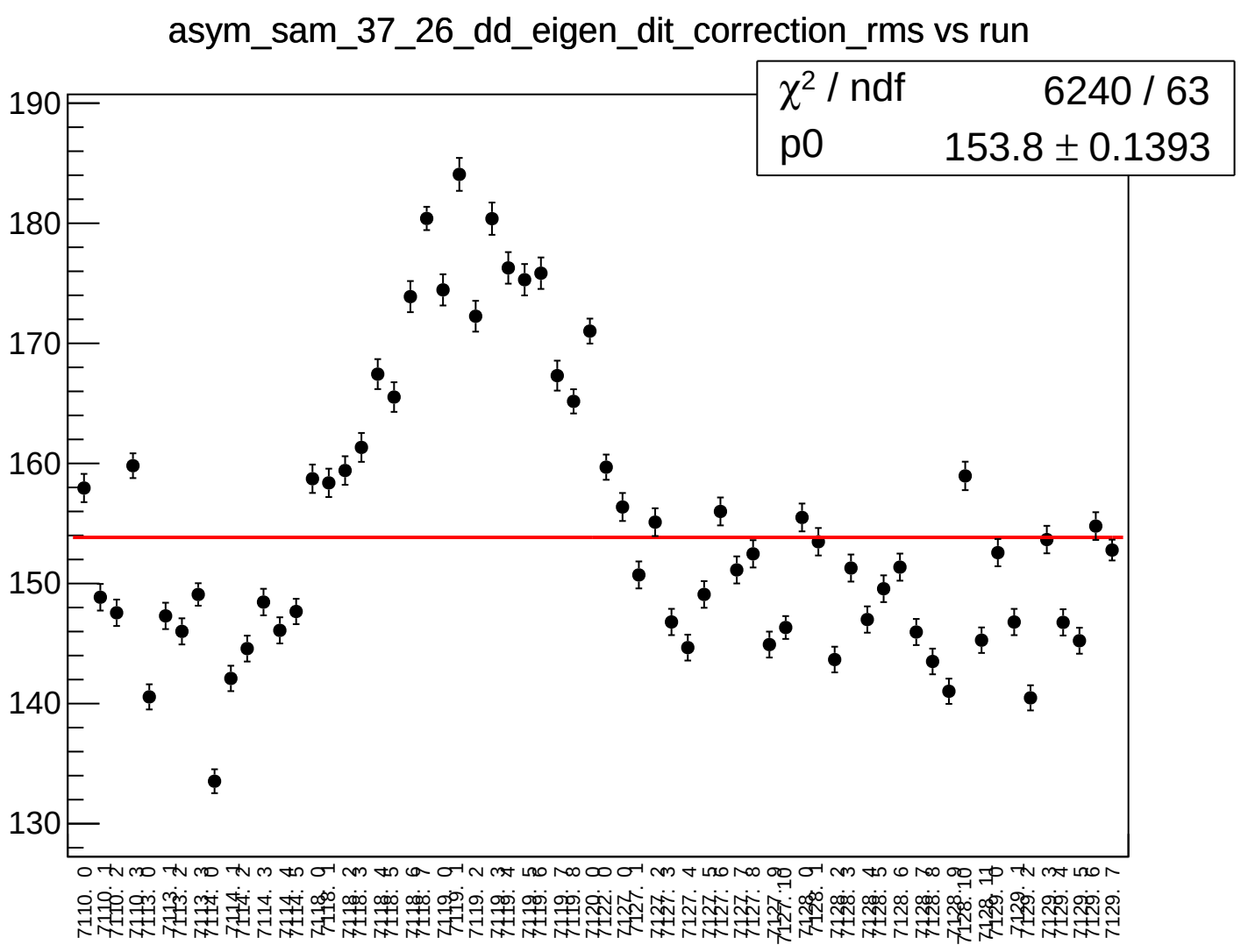

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 6240 / 63
p0 153.8 ± 0.1393
190
180
170
160
150
140
130

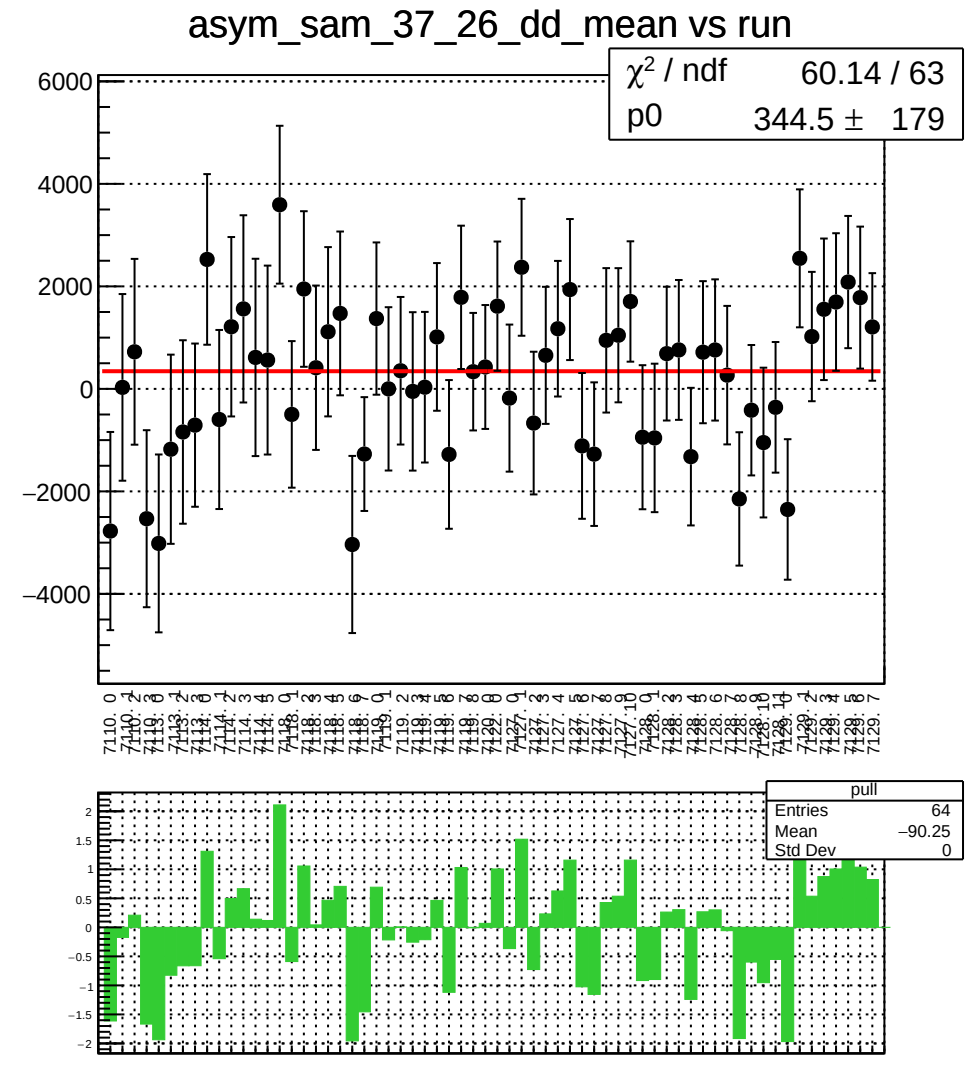

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.98 / 63
p0 −23.99 ± 65.28
pull
Entries 64
Mean −84.86
Std Dev 0

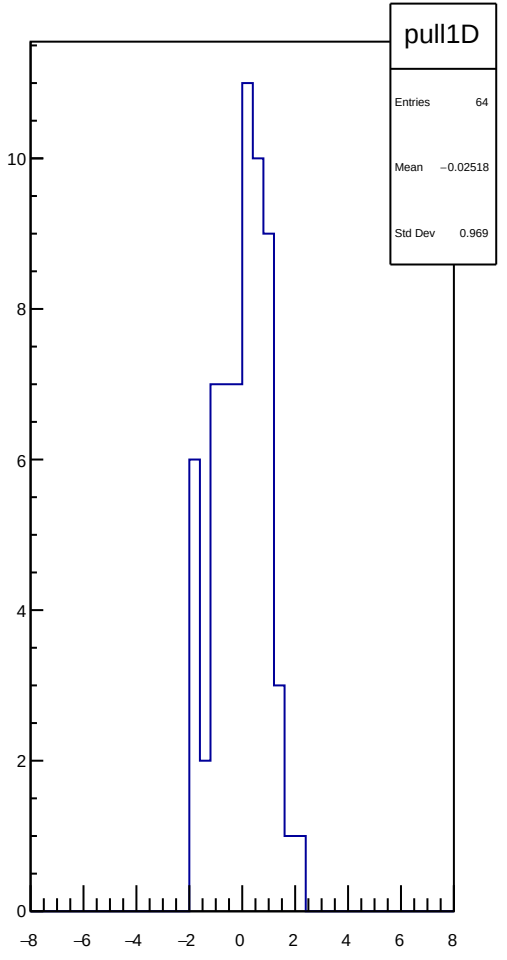

pull1D
Entries 64
Mean −0.01792
Std Dev 0.8923

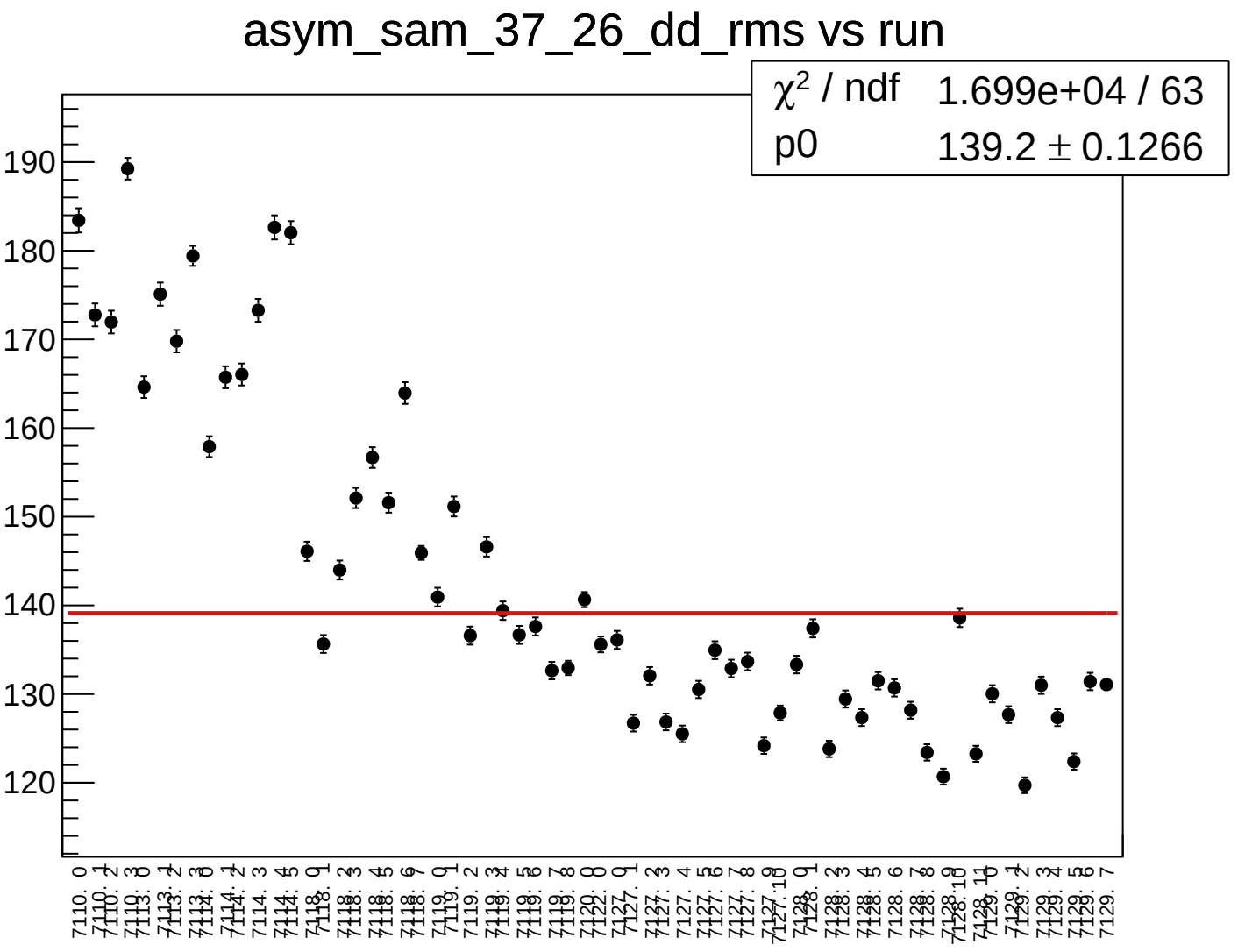

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.152e+04 / 63
p0 50.87 ± 0.04616
65
60
55
50
45

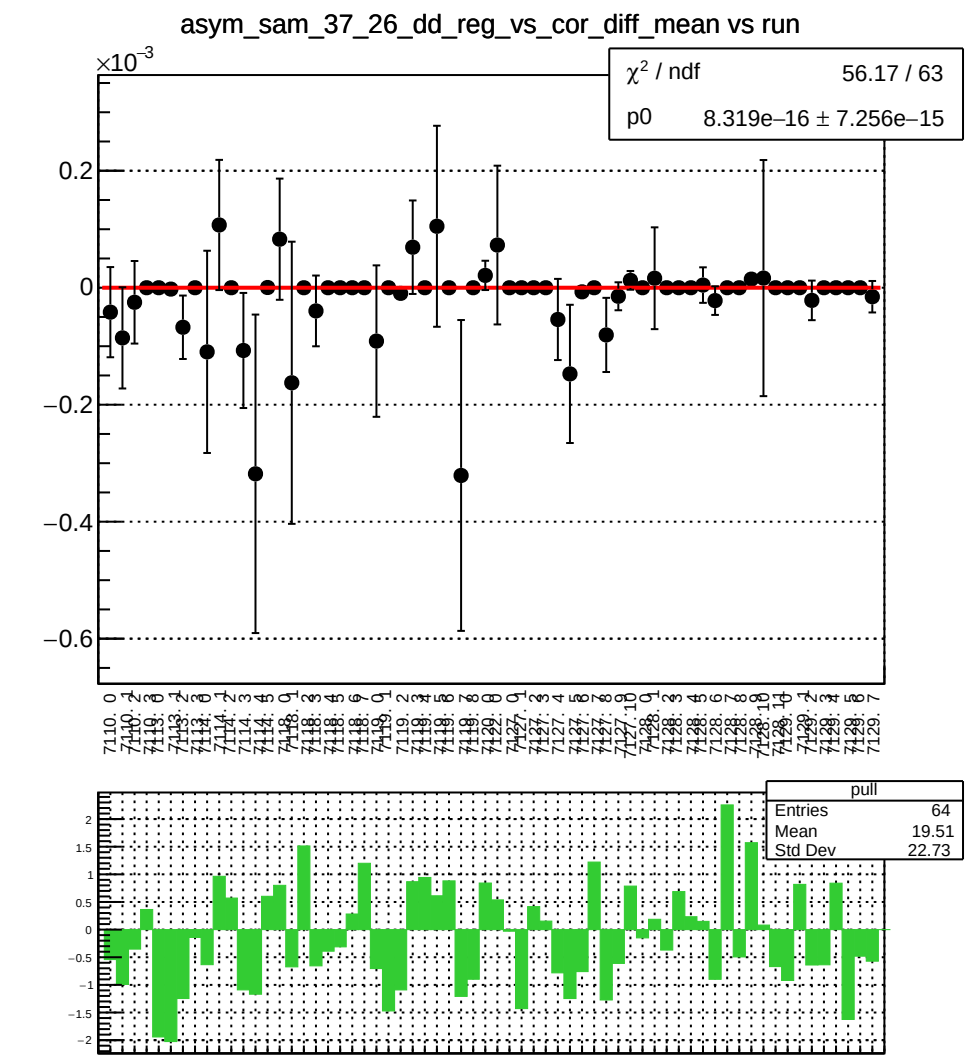

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.55 / 63
p0 −301 ± 197
4000
2000
0
−2000
−4000
−6000
pull
Entries 64
Mean 1121
Std Dev 0
pull1D
Entries 64
Mean −0.002491
Std Dev 0.9646
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

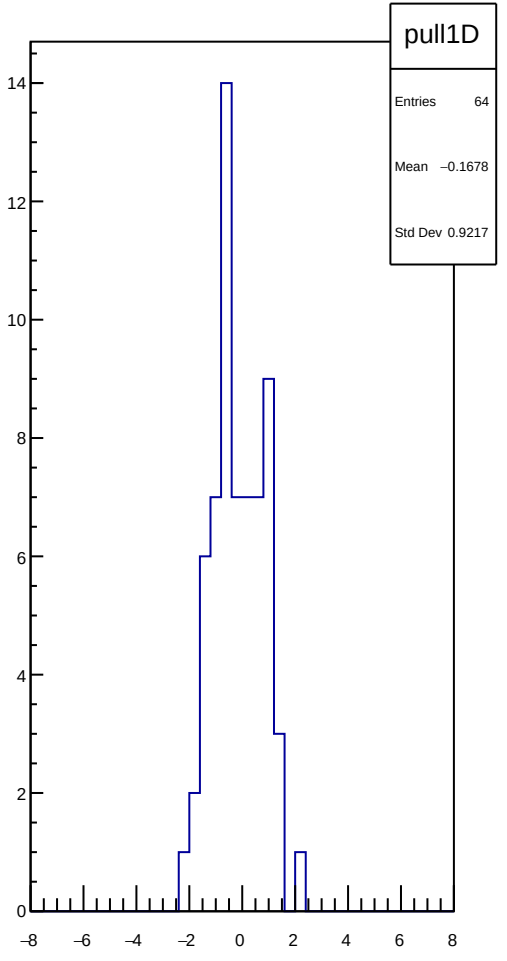

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 6240 / 63
p0 153.8 ± 0.1393
190
180
170
160
150
140
130

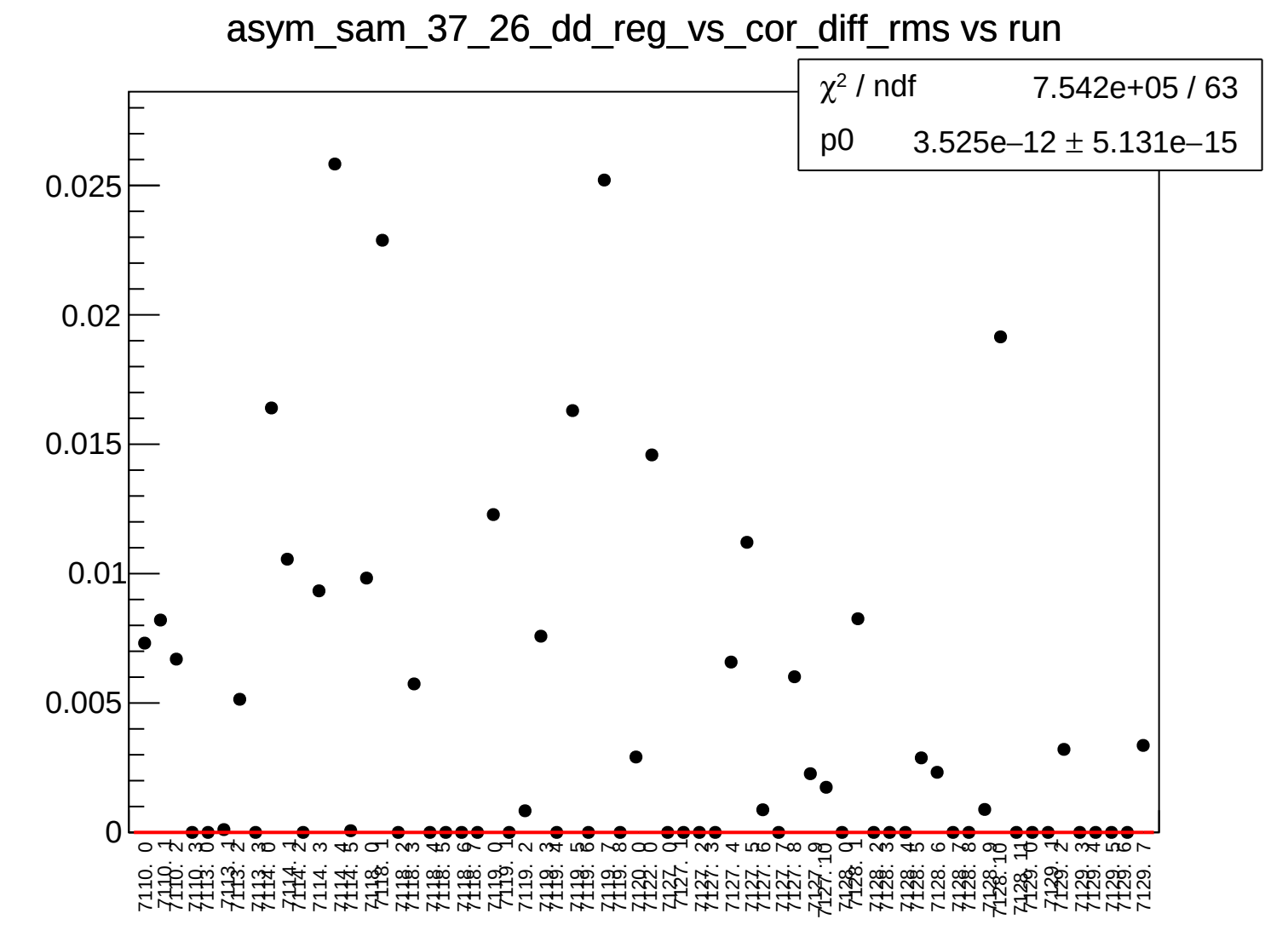

asym_sam_37_26_dd_mean vs run
χ² / ndf 60.14 / 63
p0 344.5 ± 179
pull
Entries 64
Mean −90.25
Std Dev 0

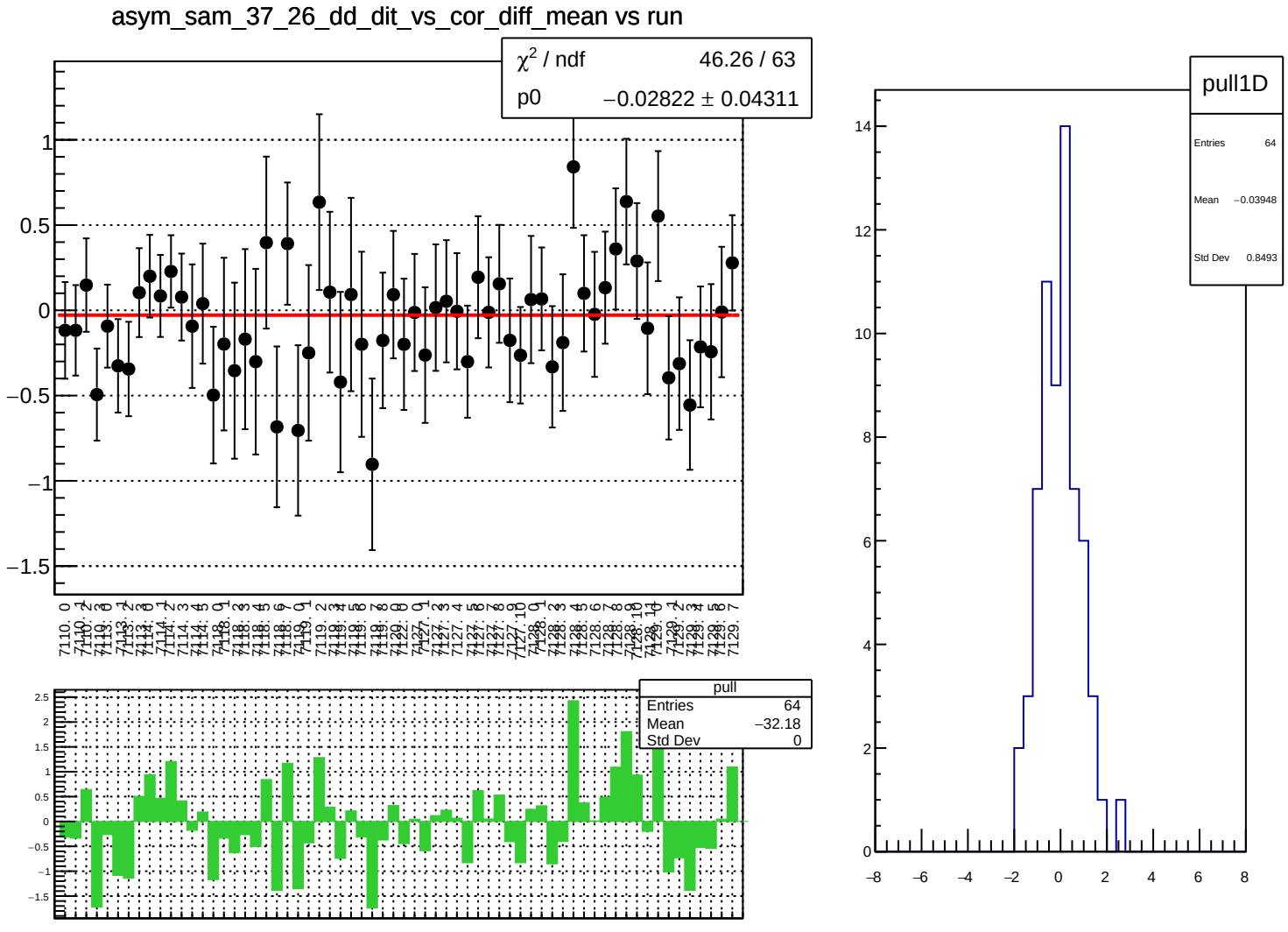

pull1D
Entries 64
Mean −0.02518
Std Dev 0.969

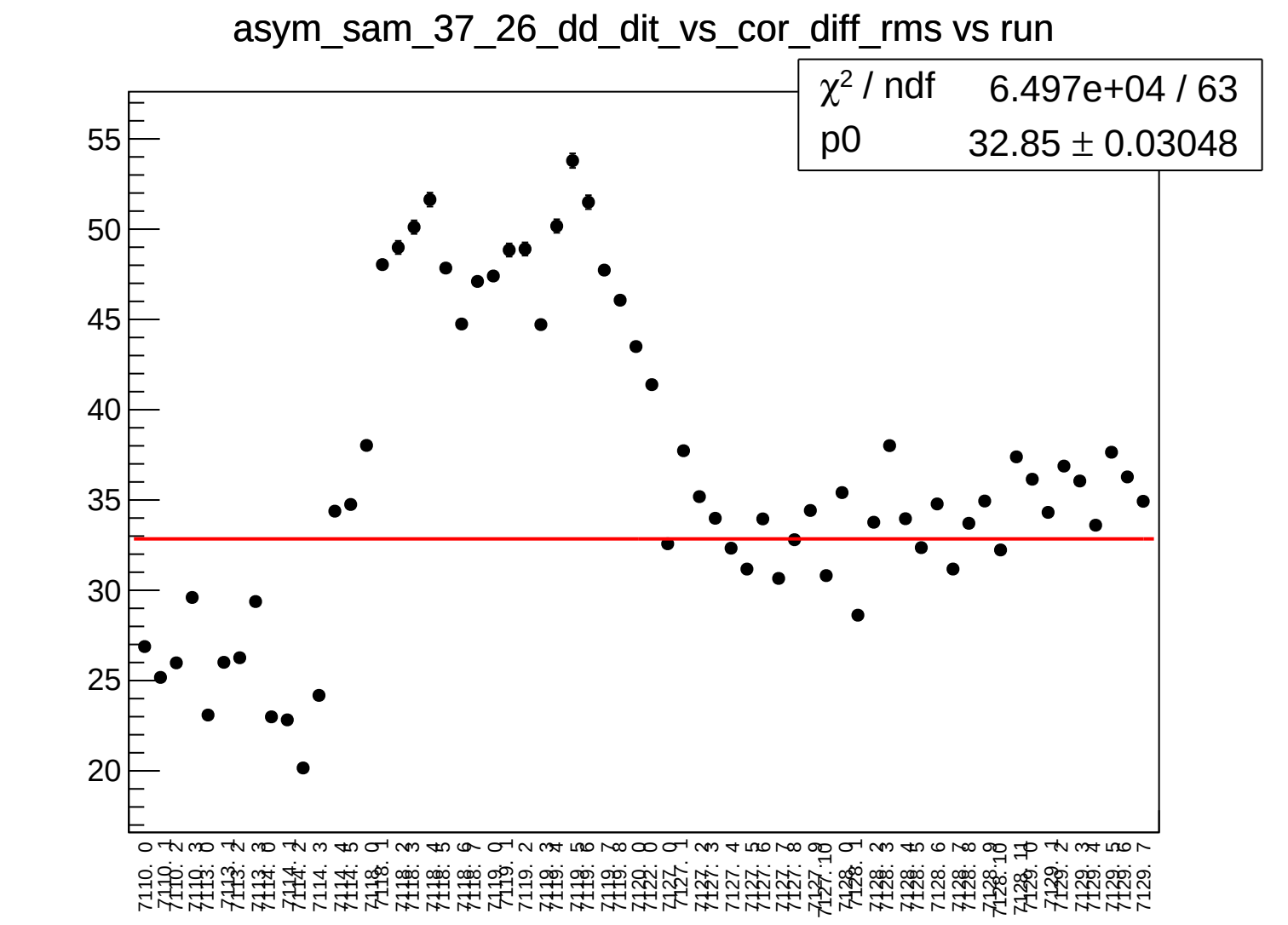

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.699e+04 / 63
p0 139.2 ± 0.1266
190
180
170
160
150
140
130
120

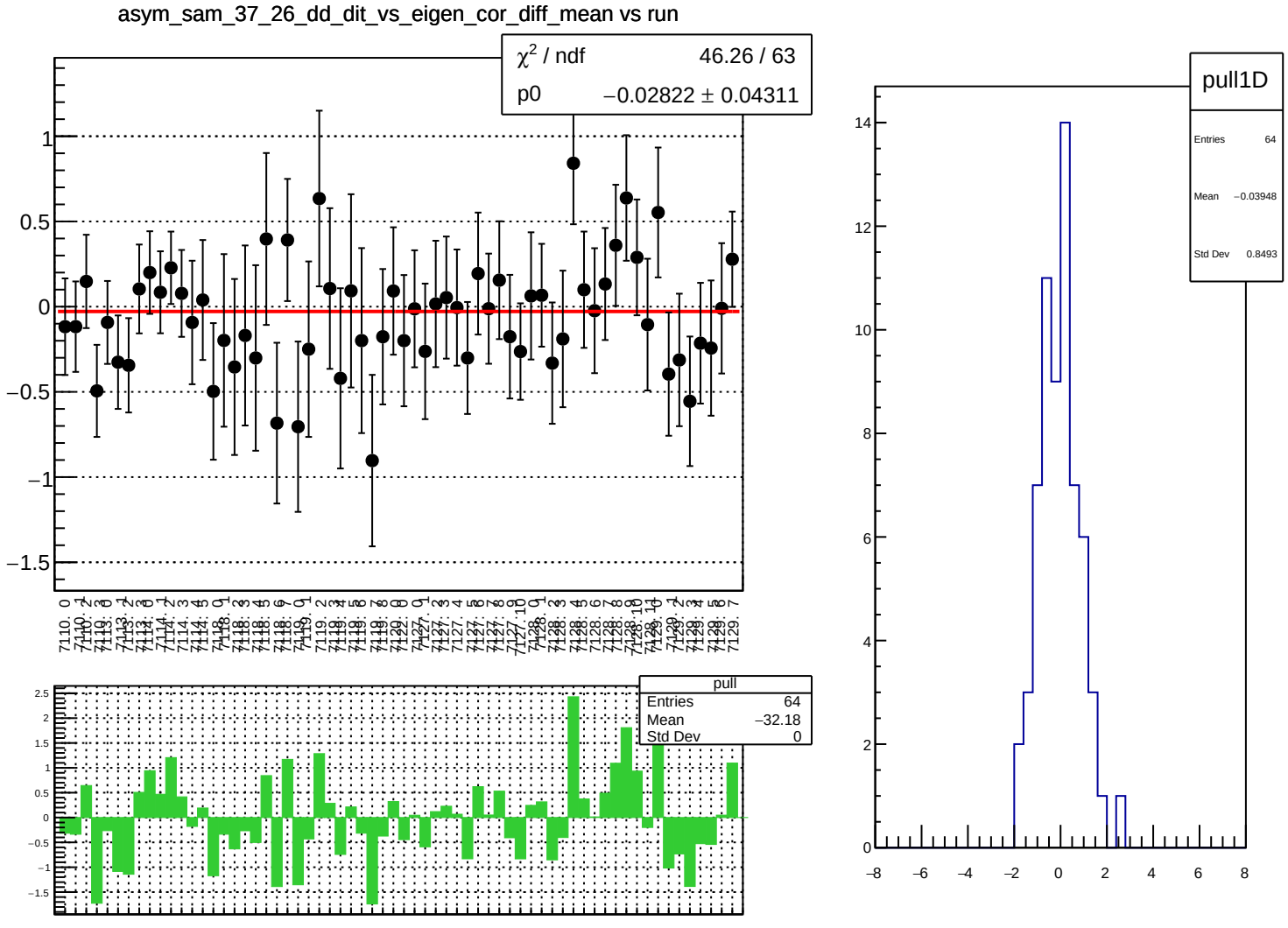

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 56.17 / 63
p0 8.319e−16 ± 7.256e−15
0.2
0
−0.2
−0.4
−0.6
pull
Entries 64
Mean 19.51
Std Dev 22.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

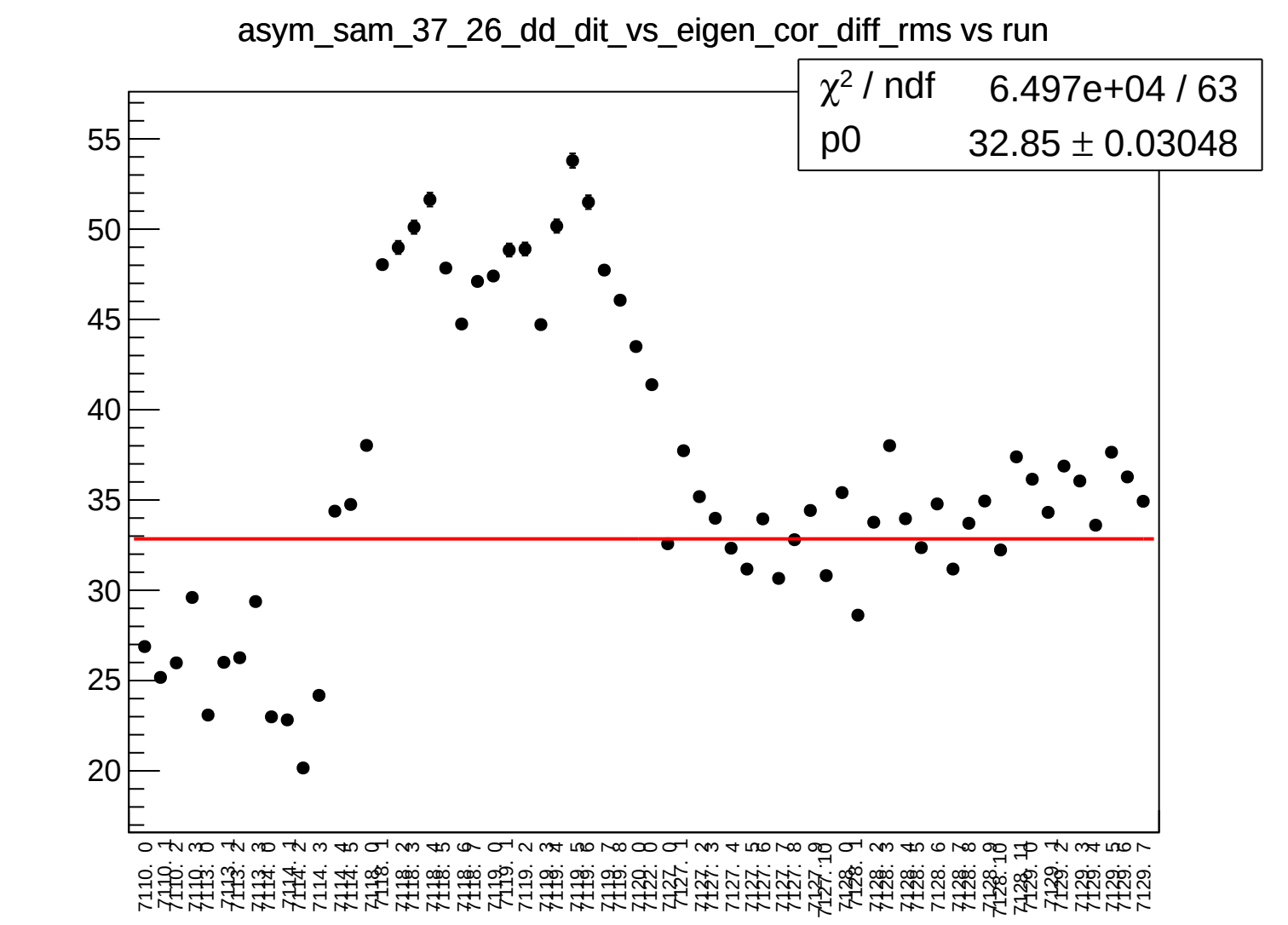

pull1D
Entries 64
Mean −0.1678
Std Dev 0.9217
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

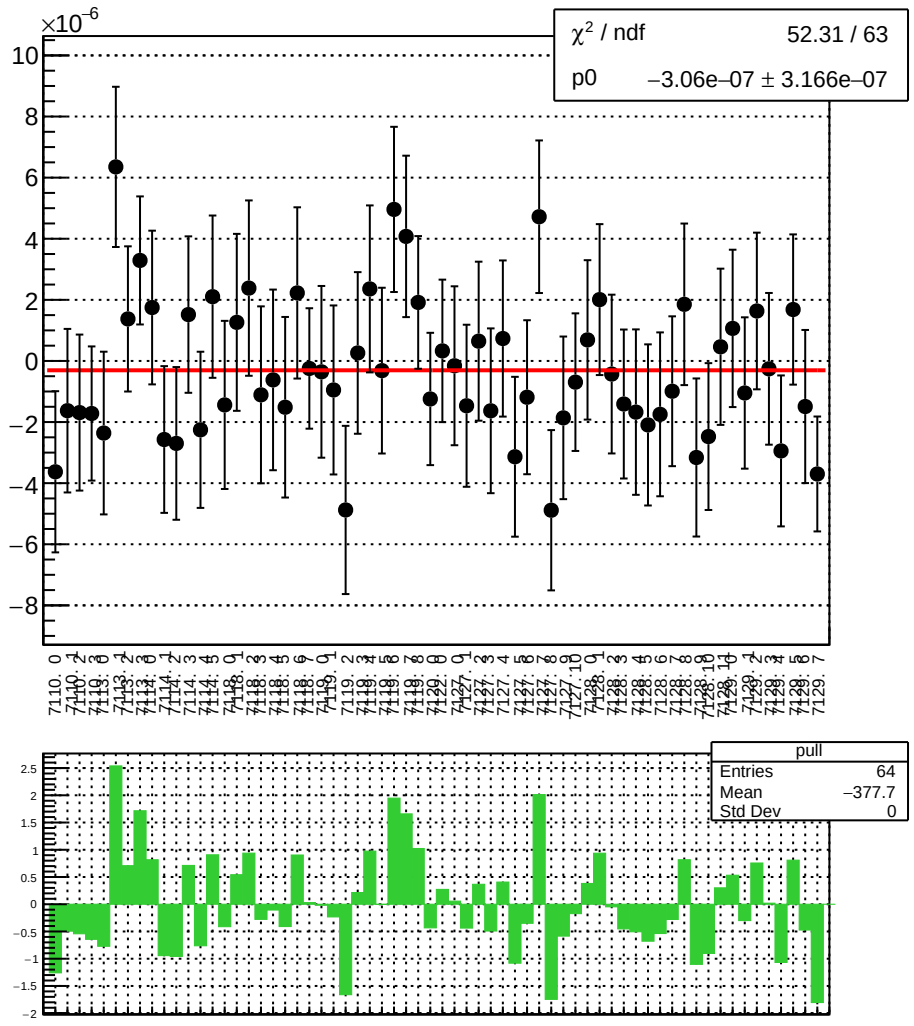

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.542e+05 / 63
p0 3.525e−12 ± 5.131e−15
0.025
0.02
0.015
0.01
0.005
0

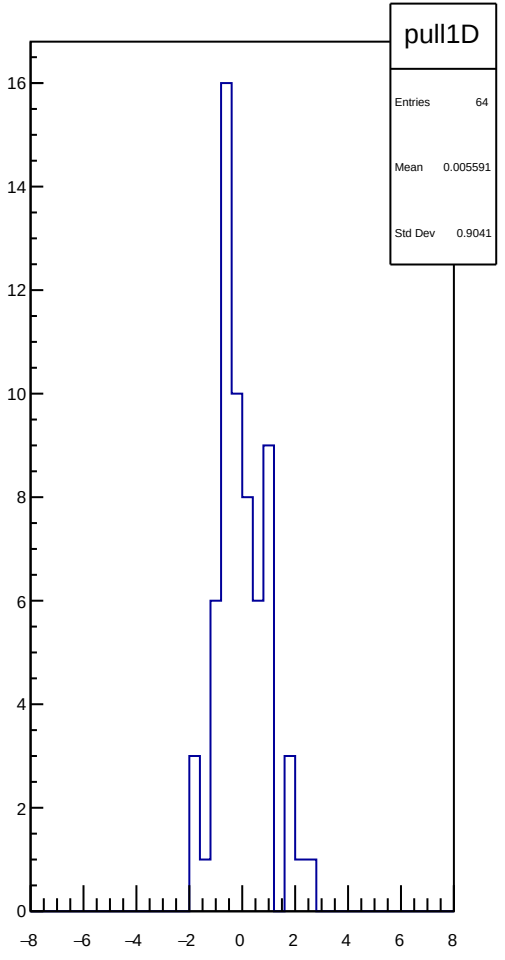

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.26 / 63
p0 −0.02822 ± 0.04311
pull
Entries 64
Mean −32.18
Std Dev 0
pull1D
Entries 64
Mean −0.03948
Std Dev 0.8493

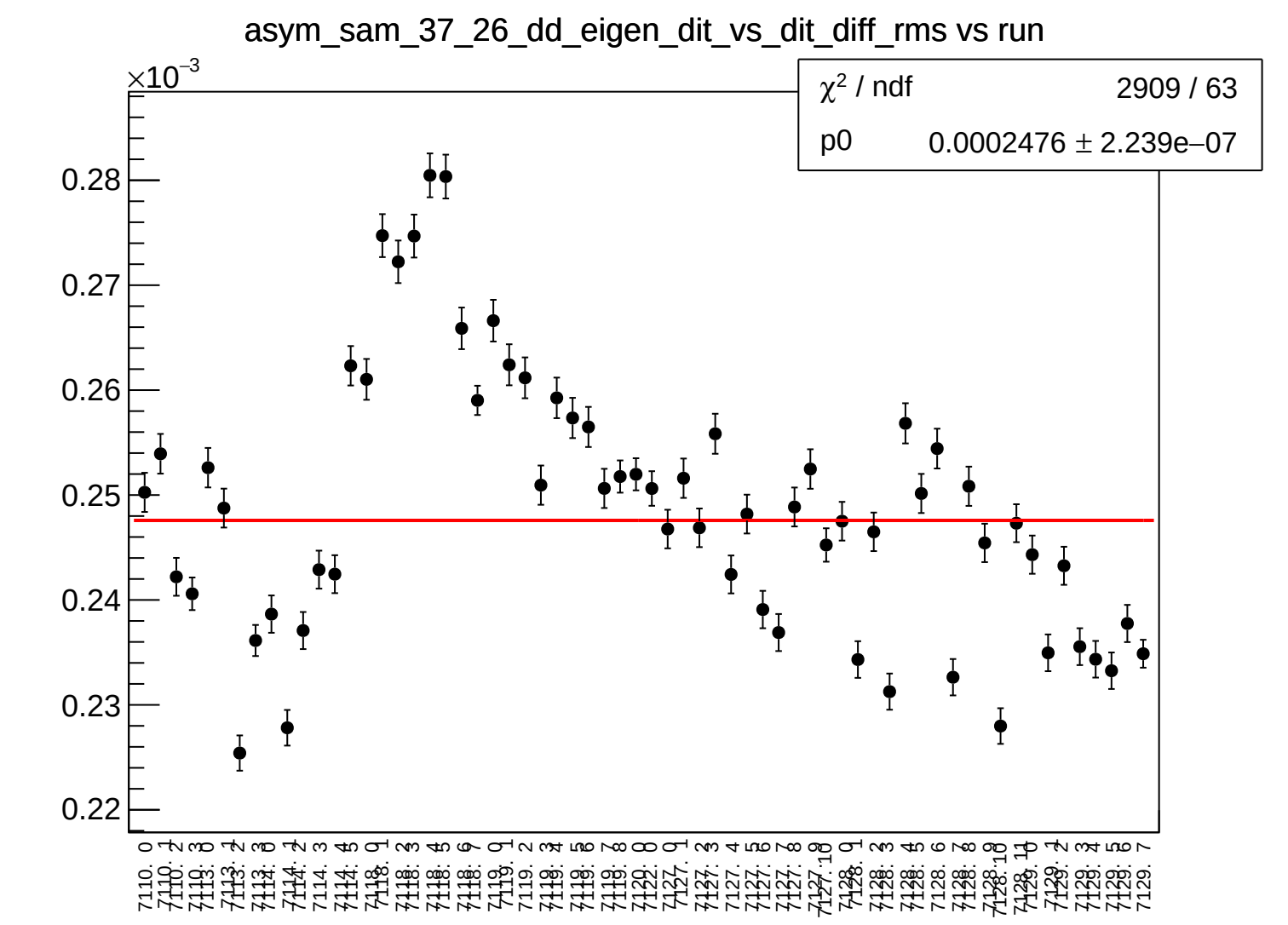

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.497e+04 / 63
p0 32.85 ± 0.03048
55
50
45
40
35
30
25
20

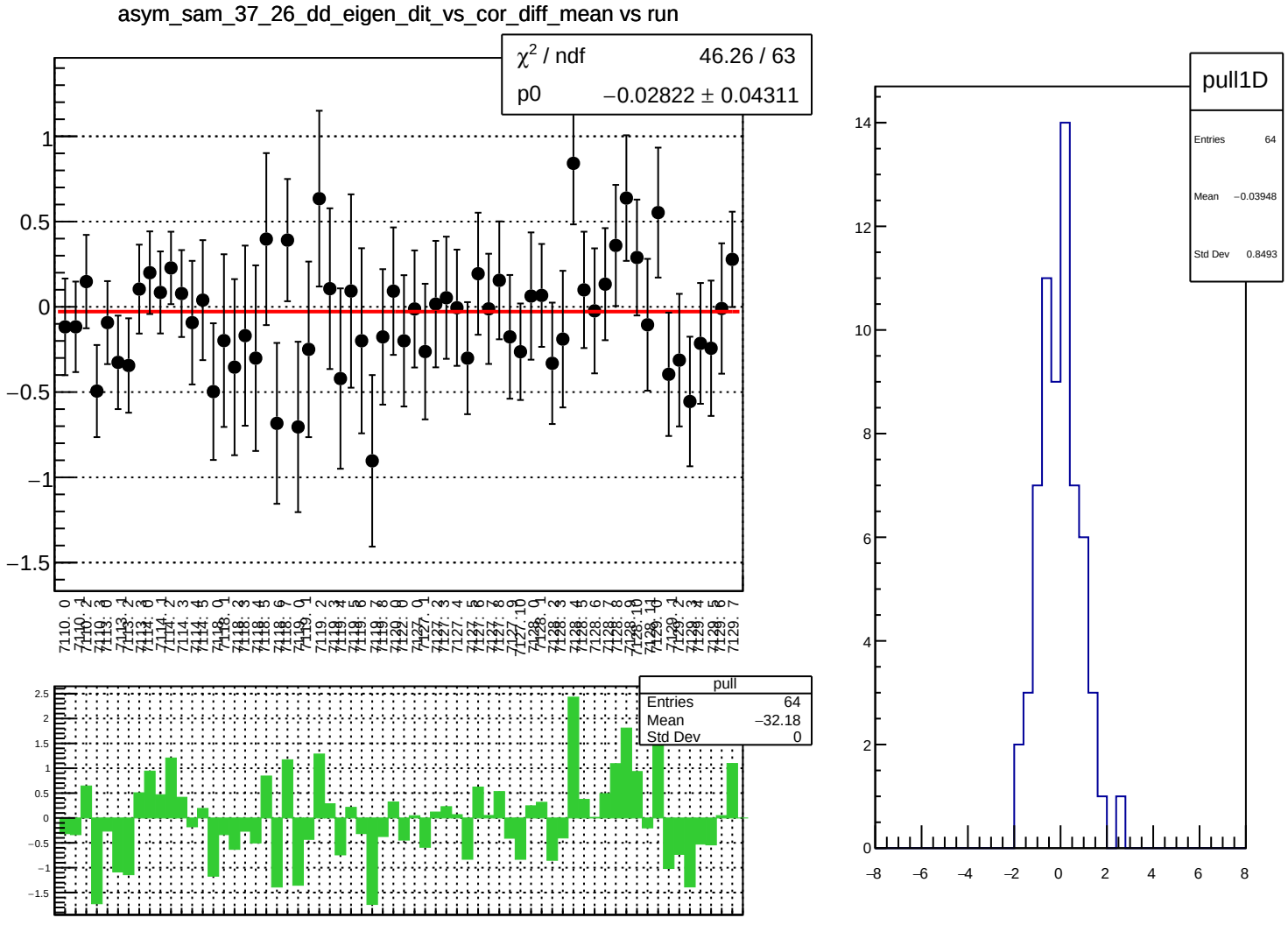

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.26 / 63
p0 −0.02822 ± 0.04311
pull
Entries 64
Mean −32.18
Std Dev 0
pull1D
Entries 64
Mean −0.03948
Std Dev 0.8493

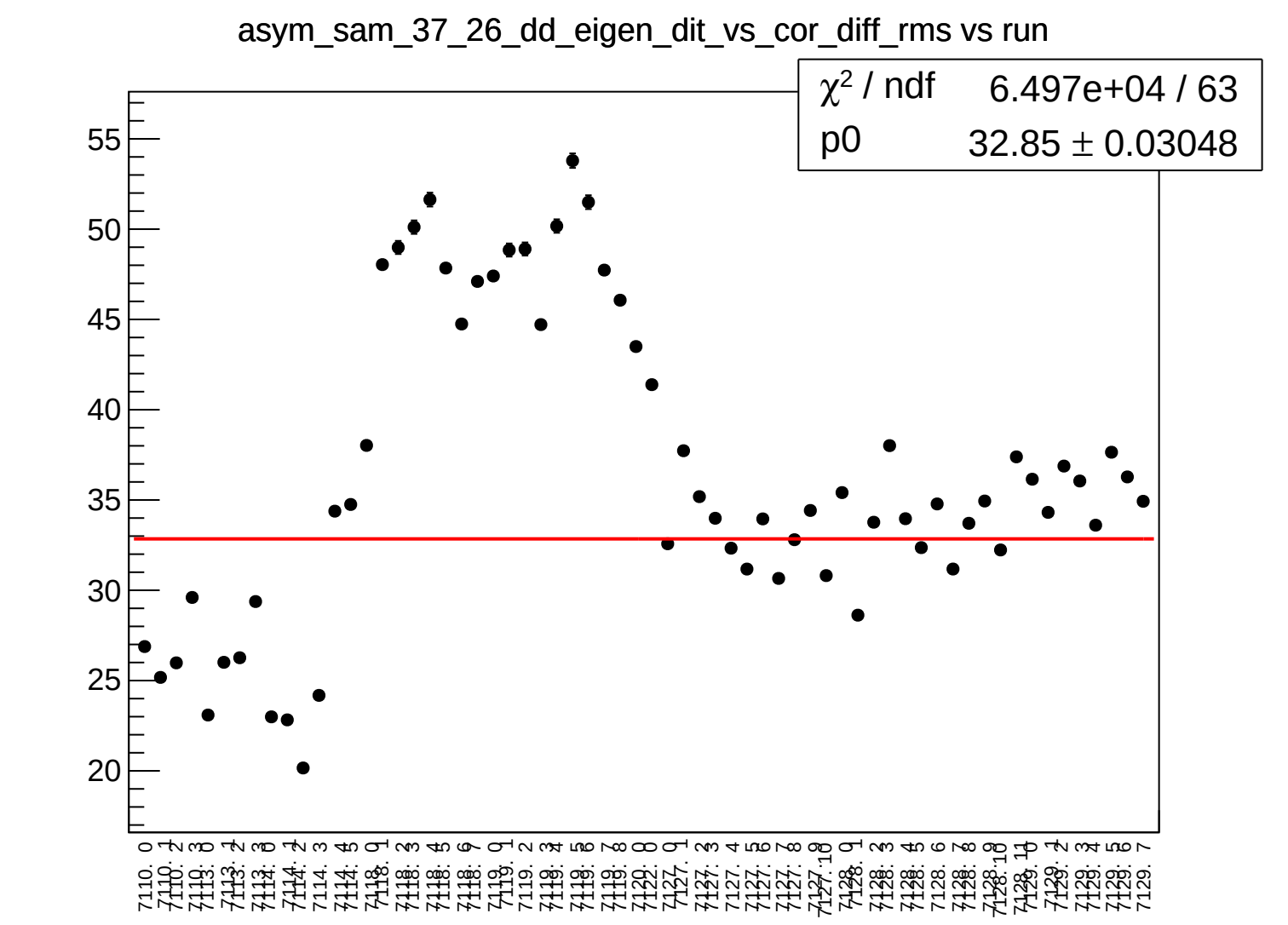

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.497e+04 / 63
p0 32.85 ± 0.03048
55
50
45
40
35
30
25
20

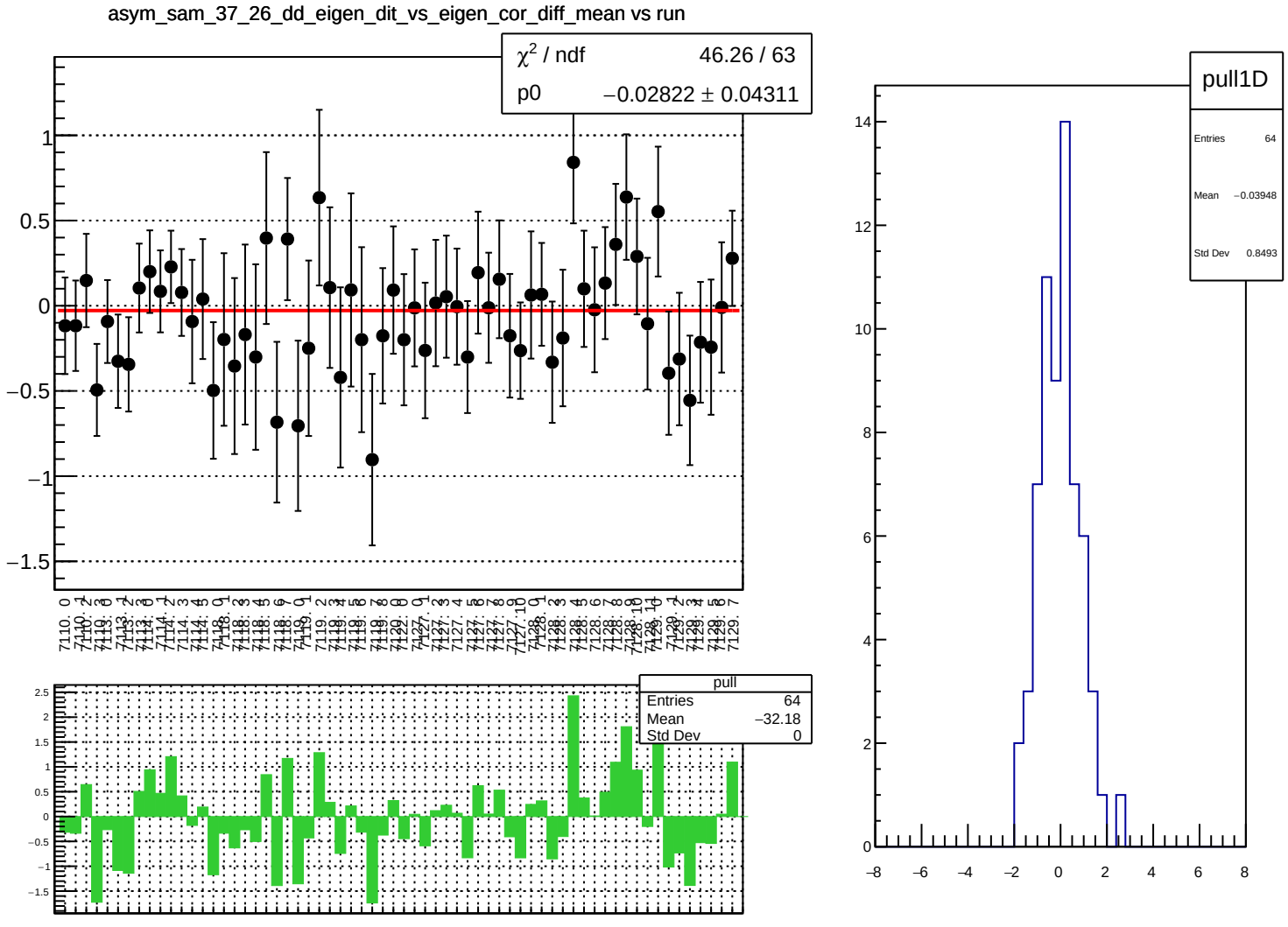

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 52.31 / 63
p0 −3.06e−07 ± 3.166e−07
pull
Entries 64
Mean −377.7
Std Dev 0

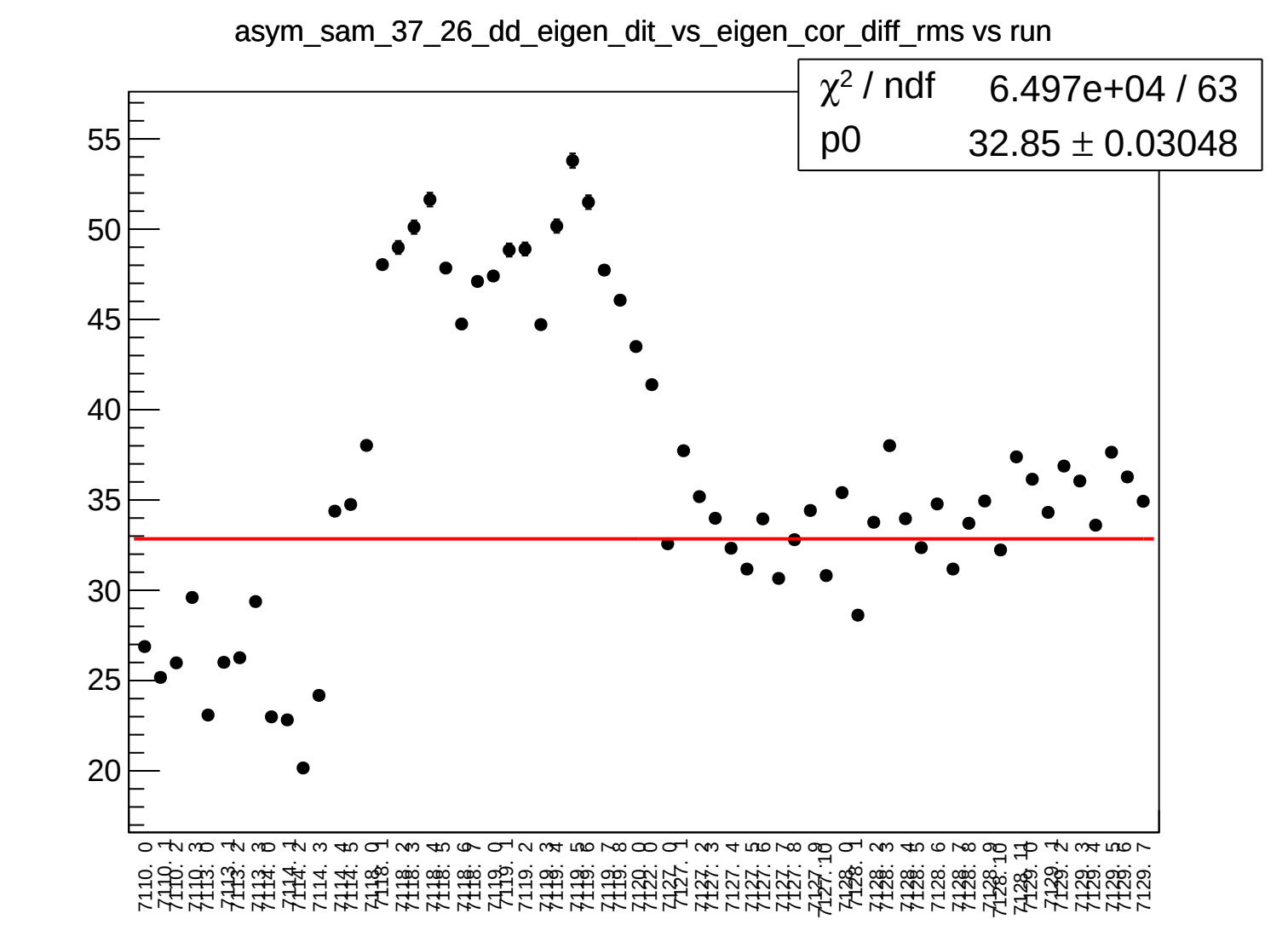

pull1D
Entries 64
Mean 0.005591
Std Dev 0.9041

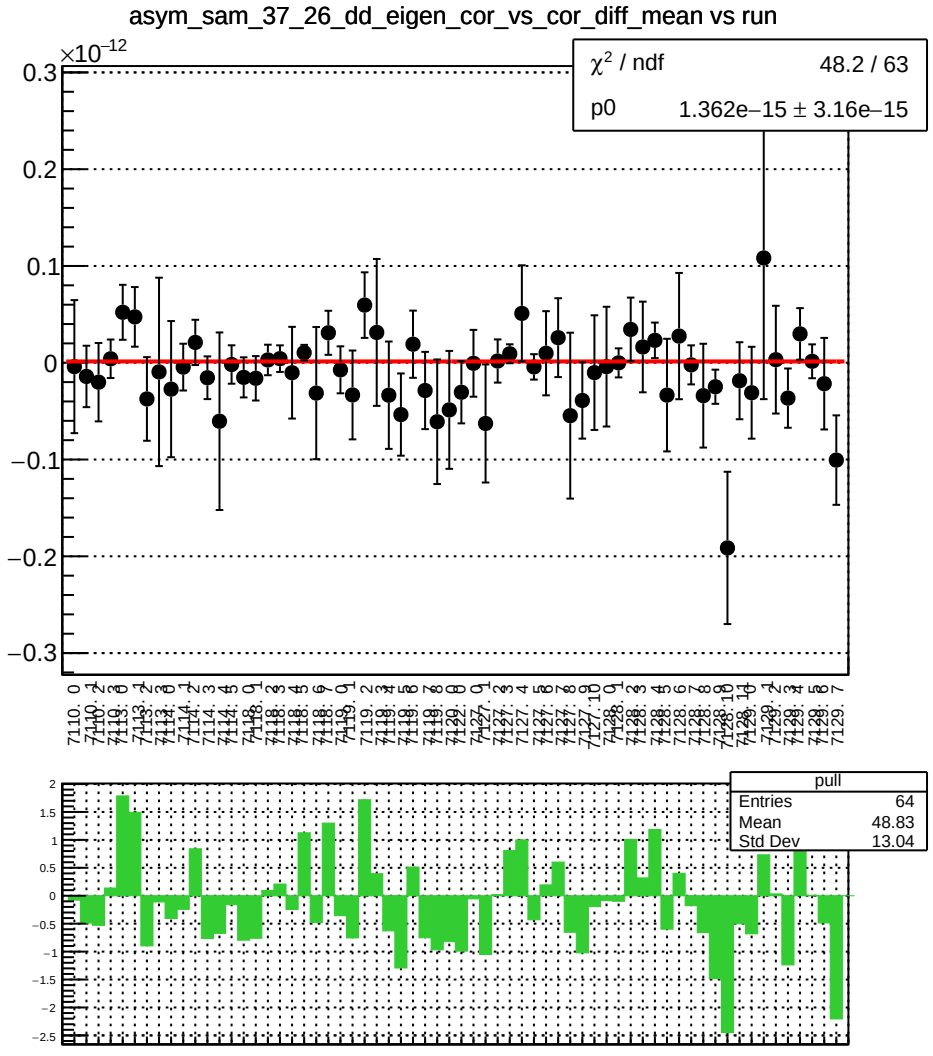

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2909 / 63
p0 0.0002476 ± 2.239e−07
0.28
0.27
0.26
0.25
0.24
0.23
0.22

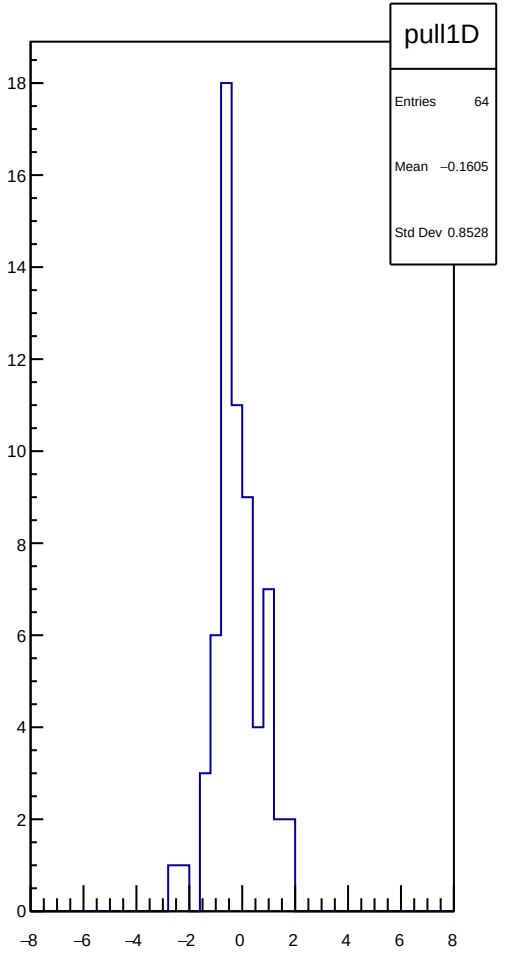

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.26 / 63
p0 −0.02822 ± 0.04311
pull
Entries 64
Mean −32.18
Std Dev 0
pull1D
Entries 64
Mean −0.03948
Std Dev 0.8493

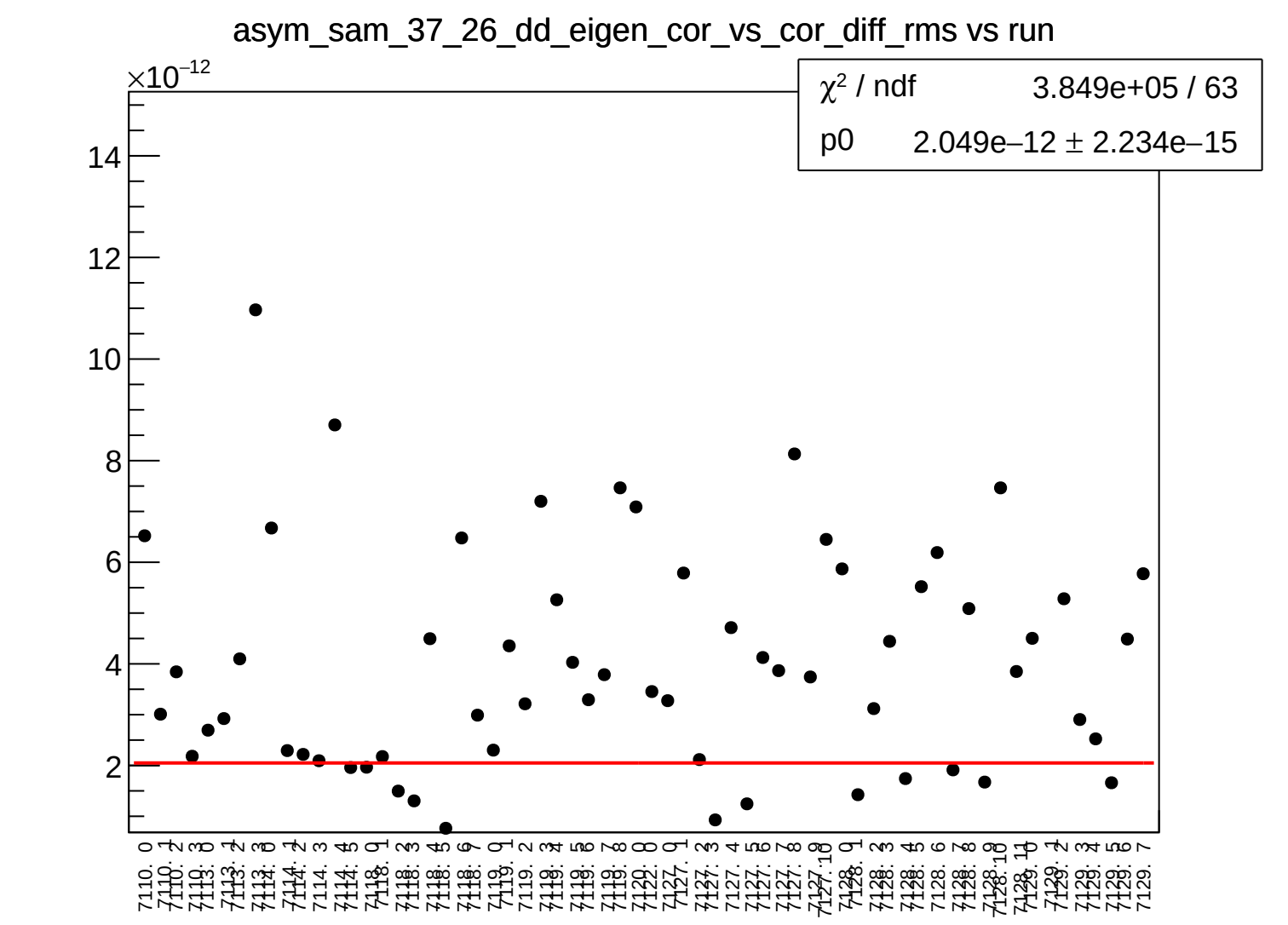

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.497e+04 / 63
p0 32.85 ± 0.03048
55
50
45
40
35
30
25
20

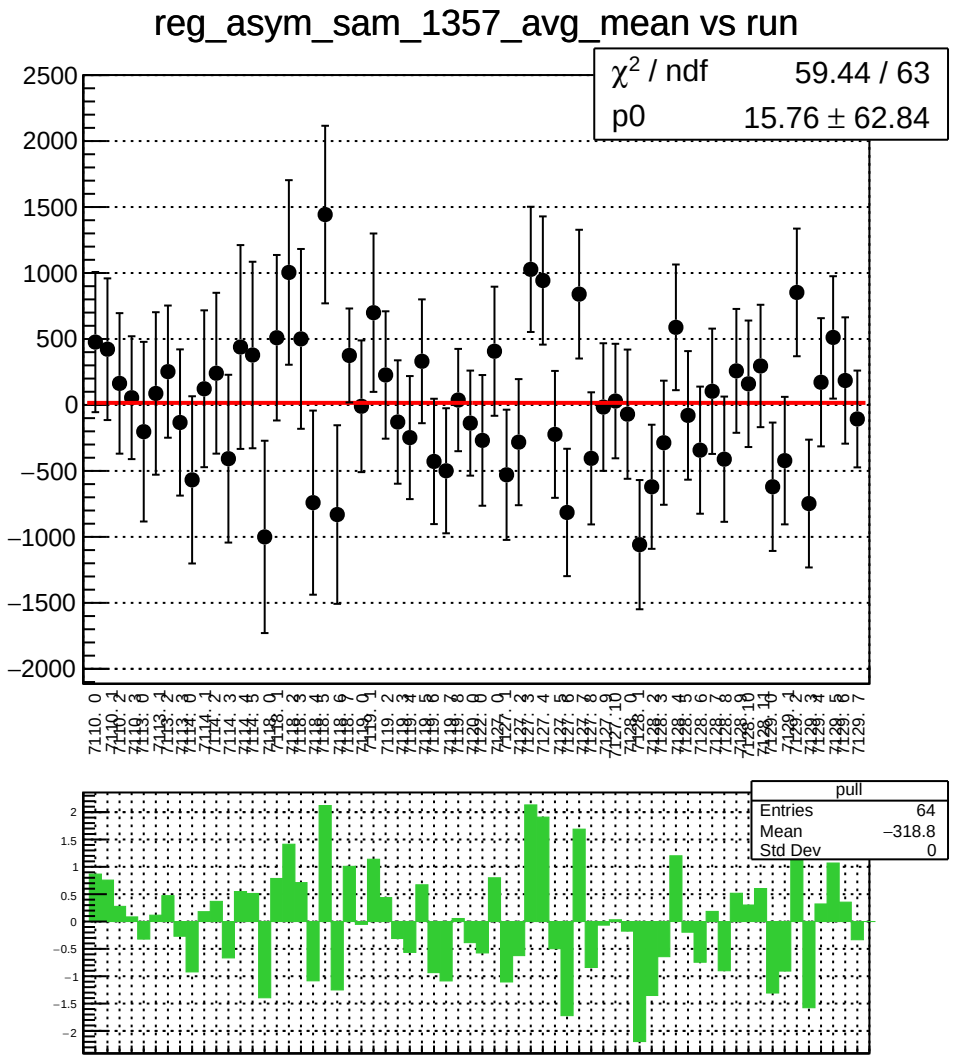

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.26 / 63
p0 −0.02822 ± 0.04311
pull
Entries 64
Mean −32.18
Std Dev 0
pull1D
Entries 64
Mean −0.03948
Std Dev 0.8493

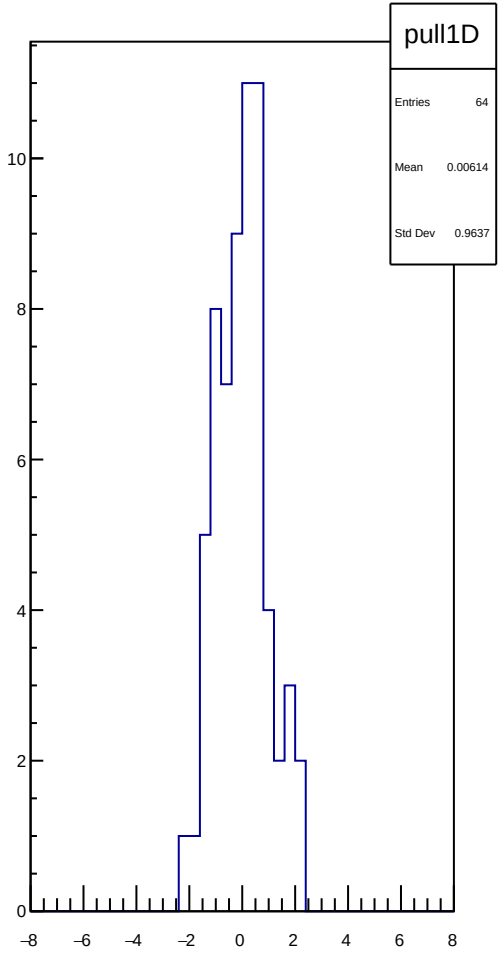

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.497e+04 / 63
p0 32.85 ± 0.03048
55
50
45
40
35
30
25
20

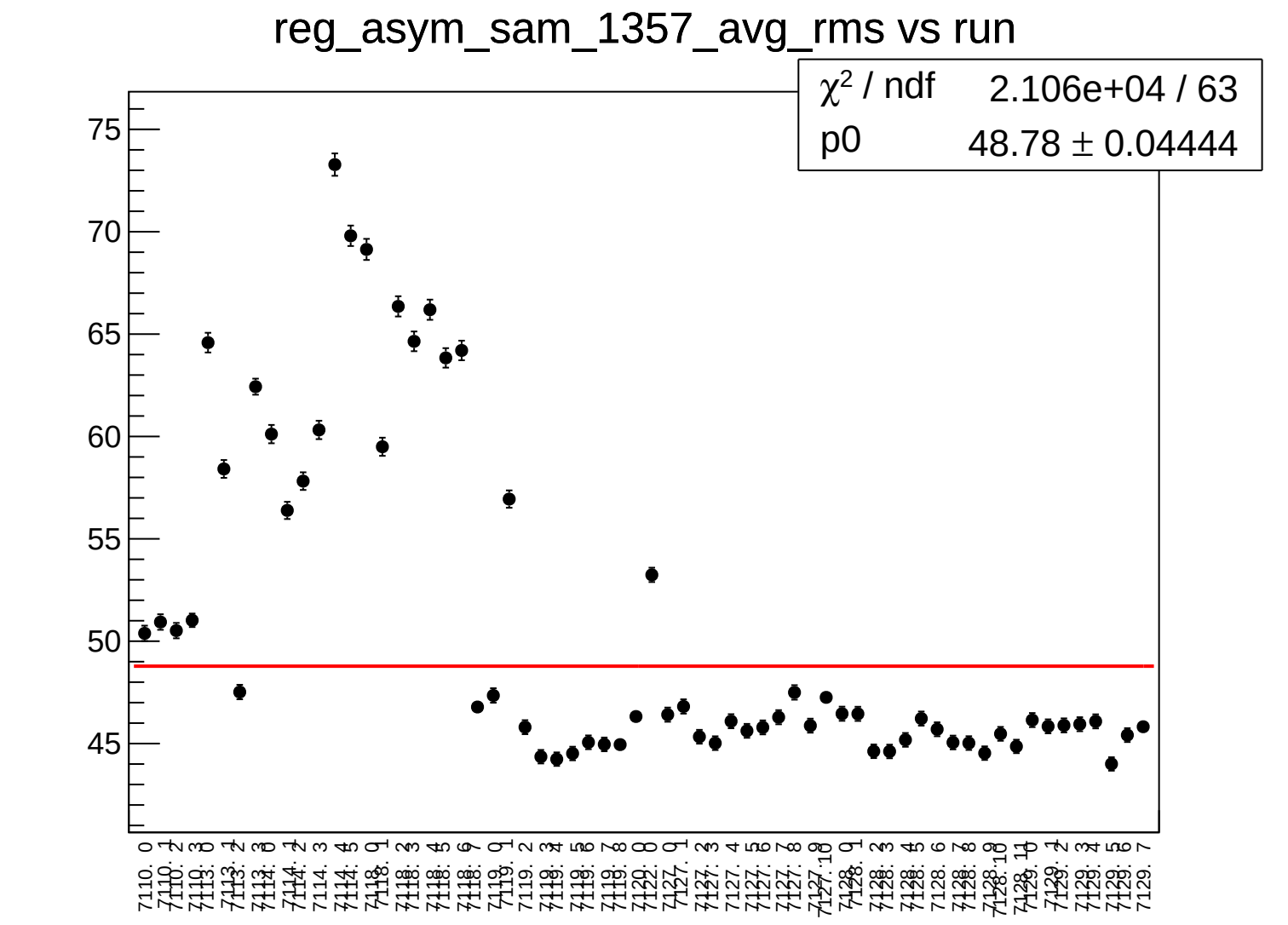

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.2 / 63
p0 1.362e−15 ± 3.16e−15
pull
Entries 64
Mean 48.83
Std Dev 13.04

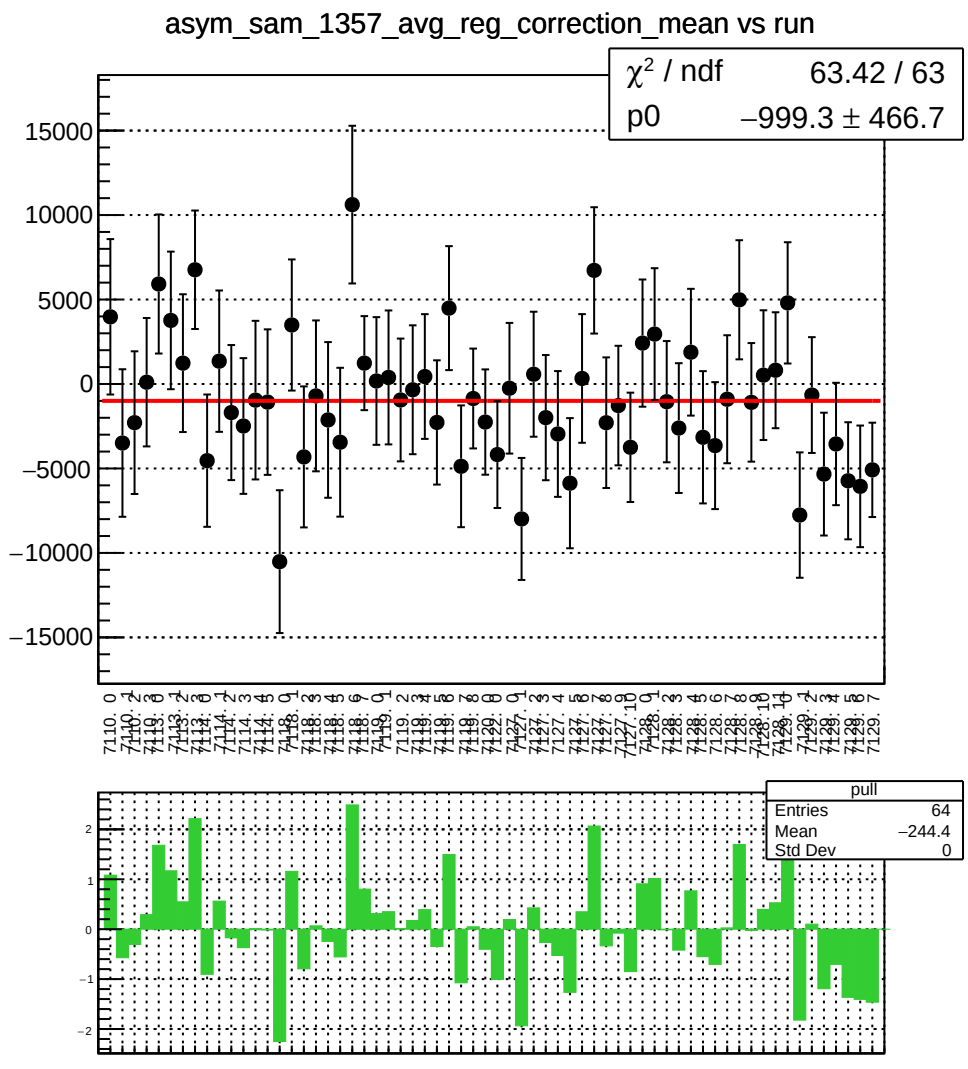

pull1D
Entries 64
Mean −0.1605
Std Dev 0.8528

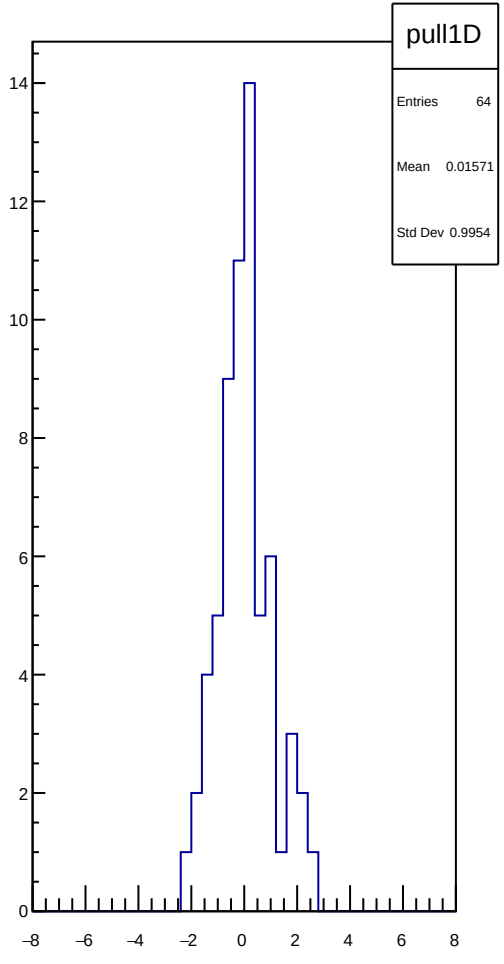

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.849e+05 / 63
p0 2.049e−12 ± 2.234e−15
14
12
10
8
6
4
2

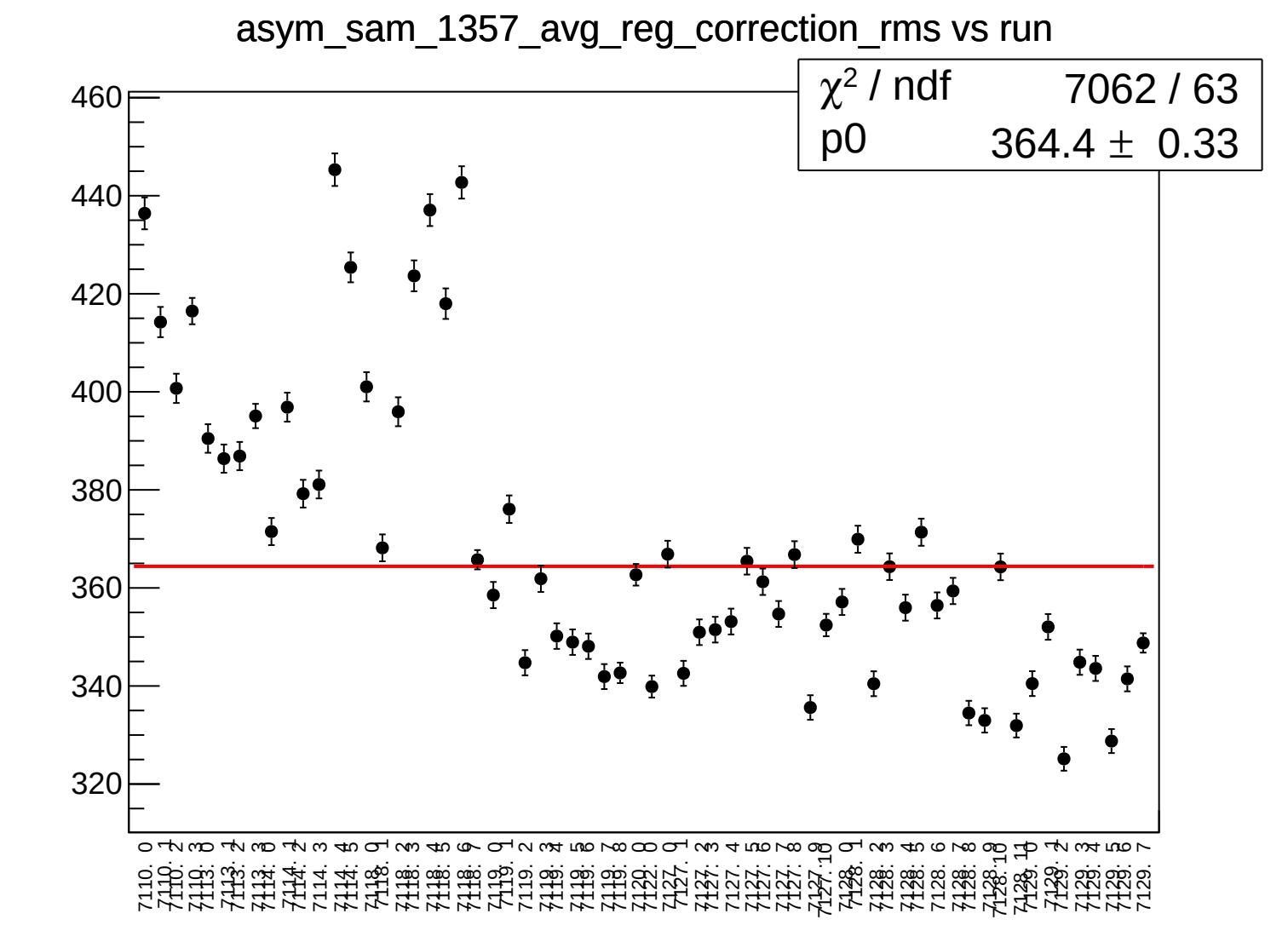

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 59.44 / 63
p0 15.76 ± 62.84
pull
Entries 64
Mean −318.8
Std Dev 0

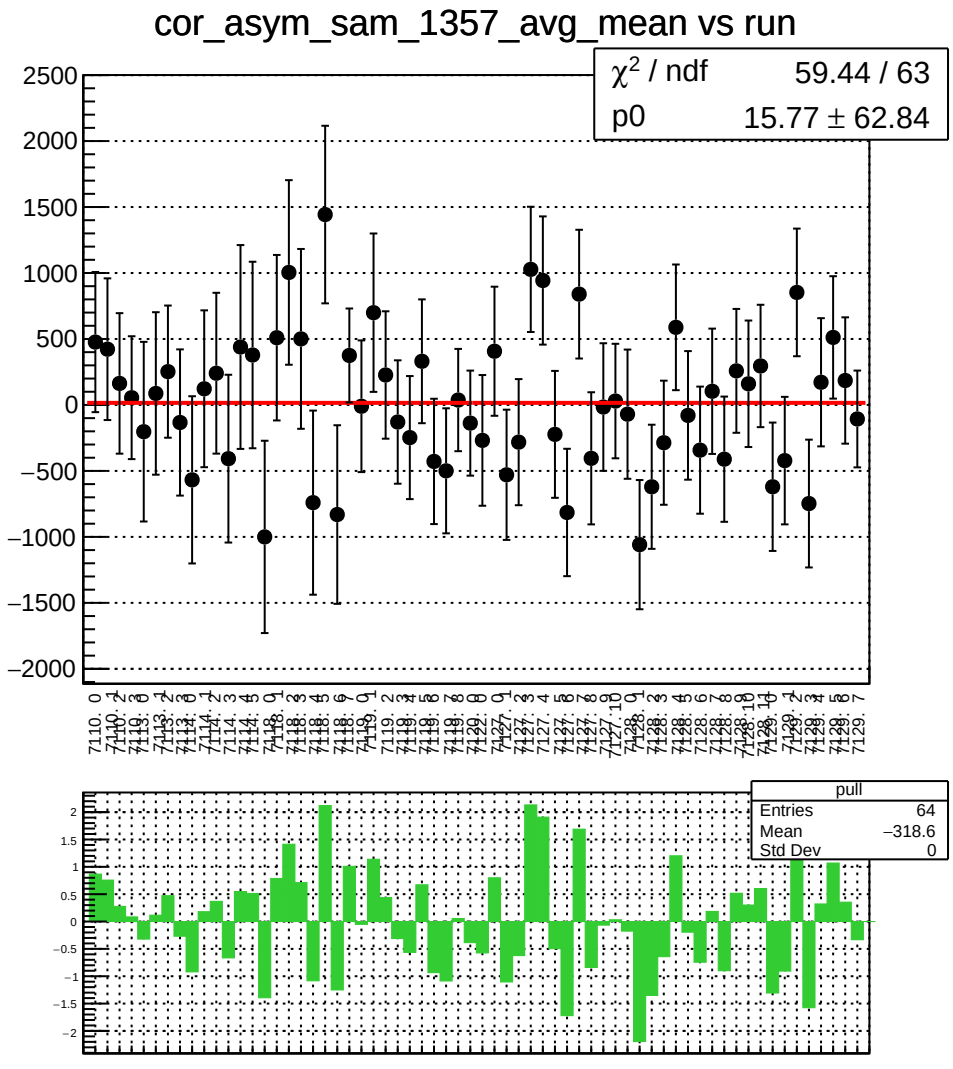

pull1D
Entries 64
Mean 0.00614
Std Dev 0.9637

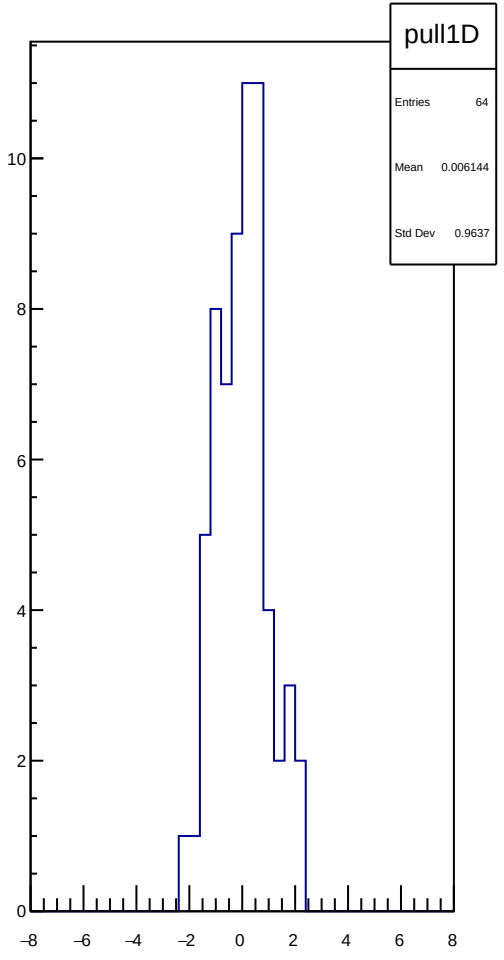

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 2.106e+04 / 63
p0 48.78 ± 0.04444
75
70
65
60
55
50
45

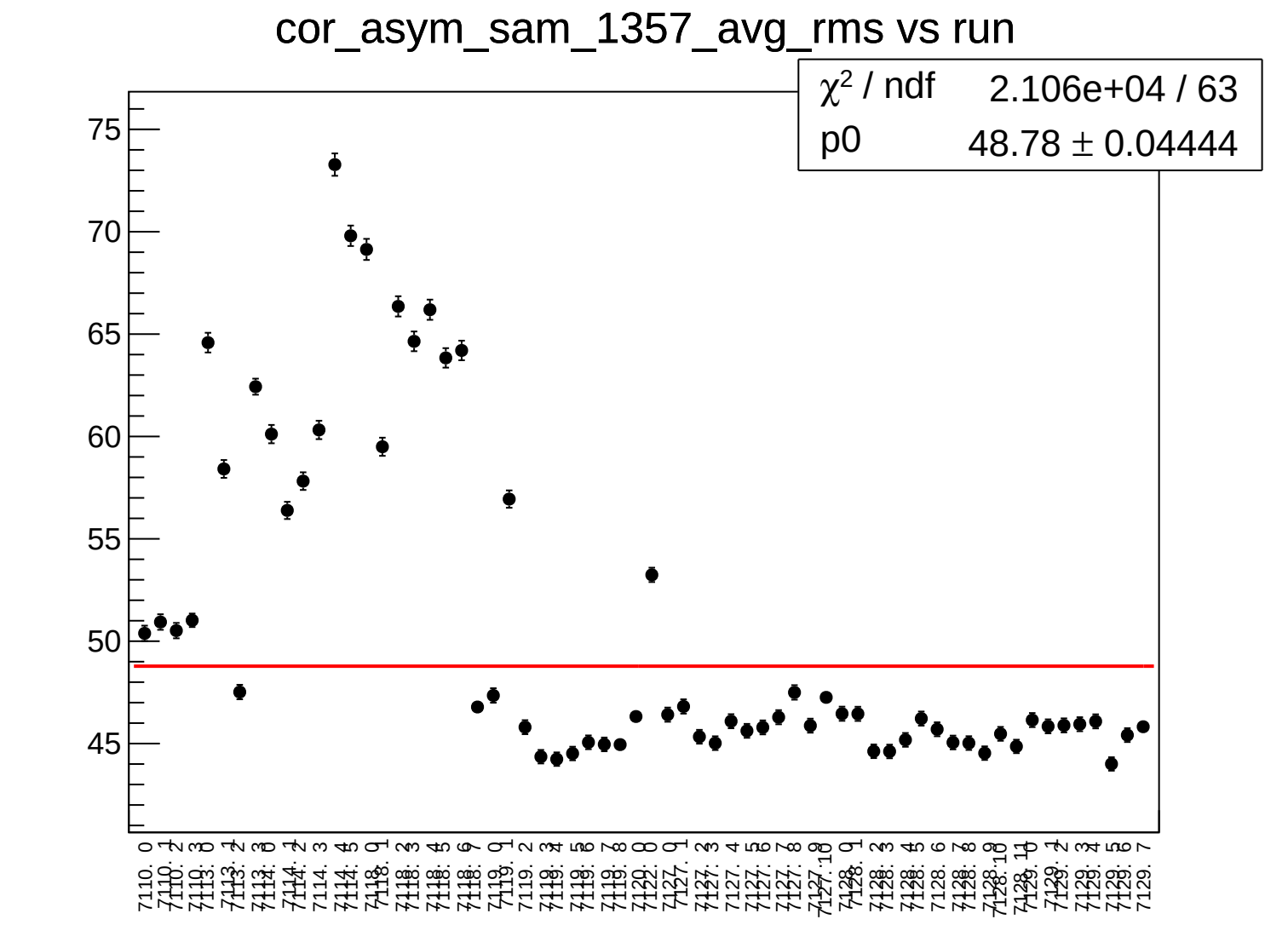

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 63.42 / 63
p0 −999.3 ± 466.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −244.4
Std Dev 0
2
1
0
−1
−2

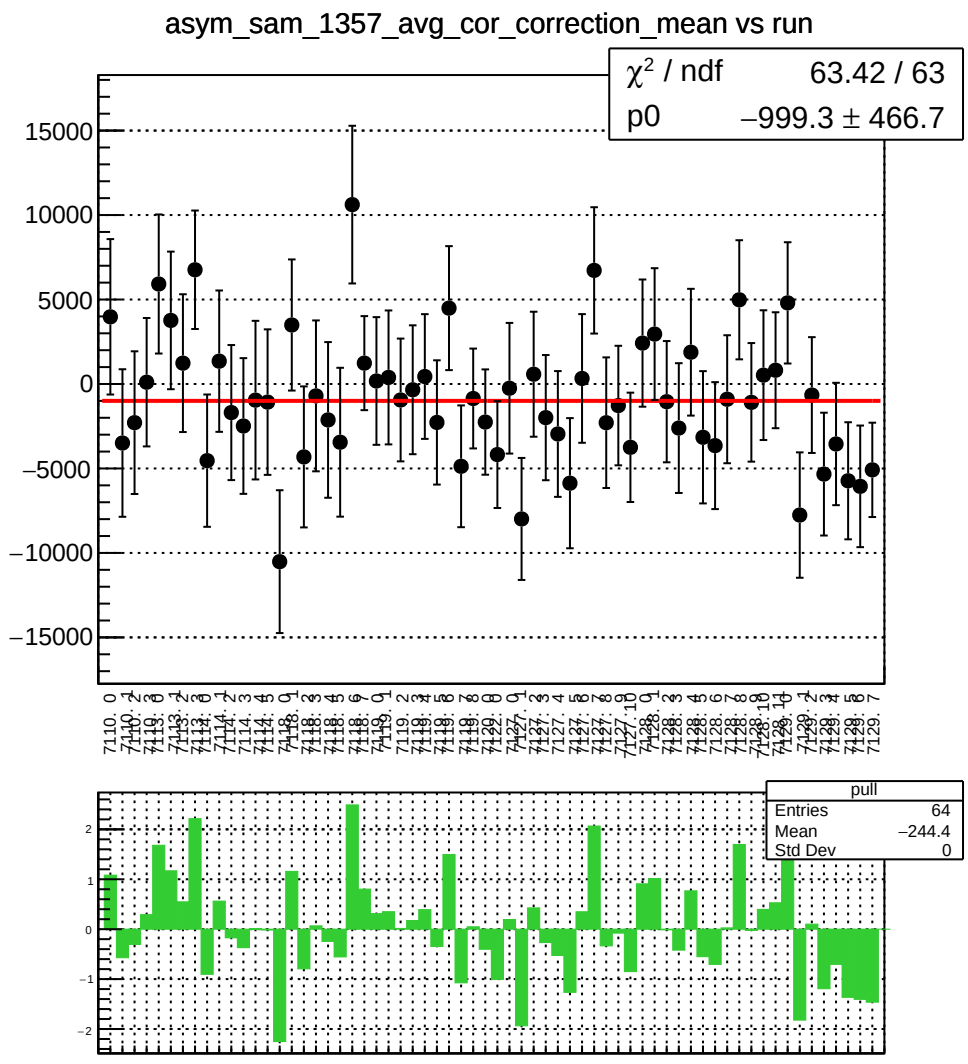

pull1D
Entries 64
Mean 0.01571
Std Dev 0.9954
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

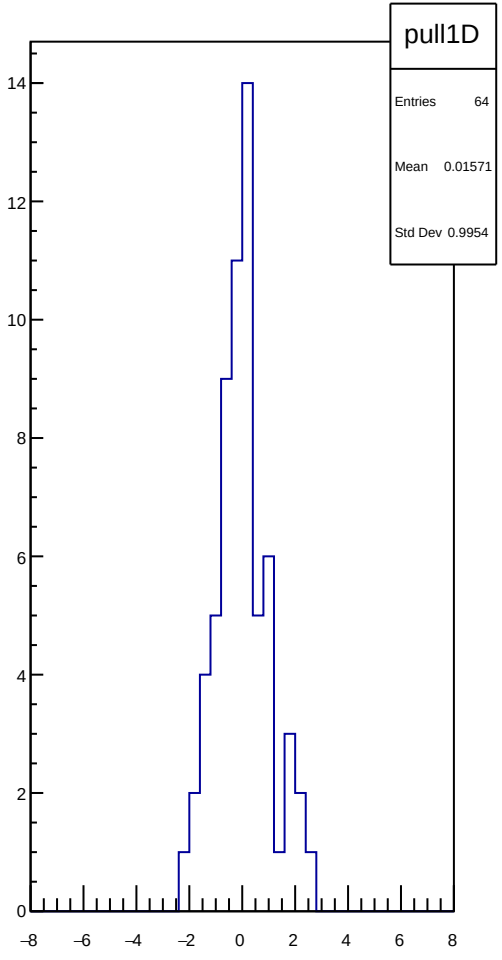

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 7062 / 63
p0 364.4 ± 0.33
460
440
420
400
380
360
340
320

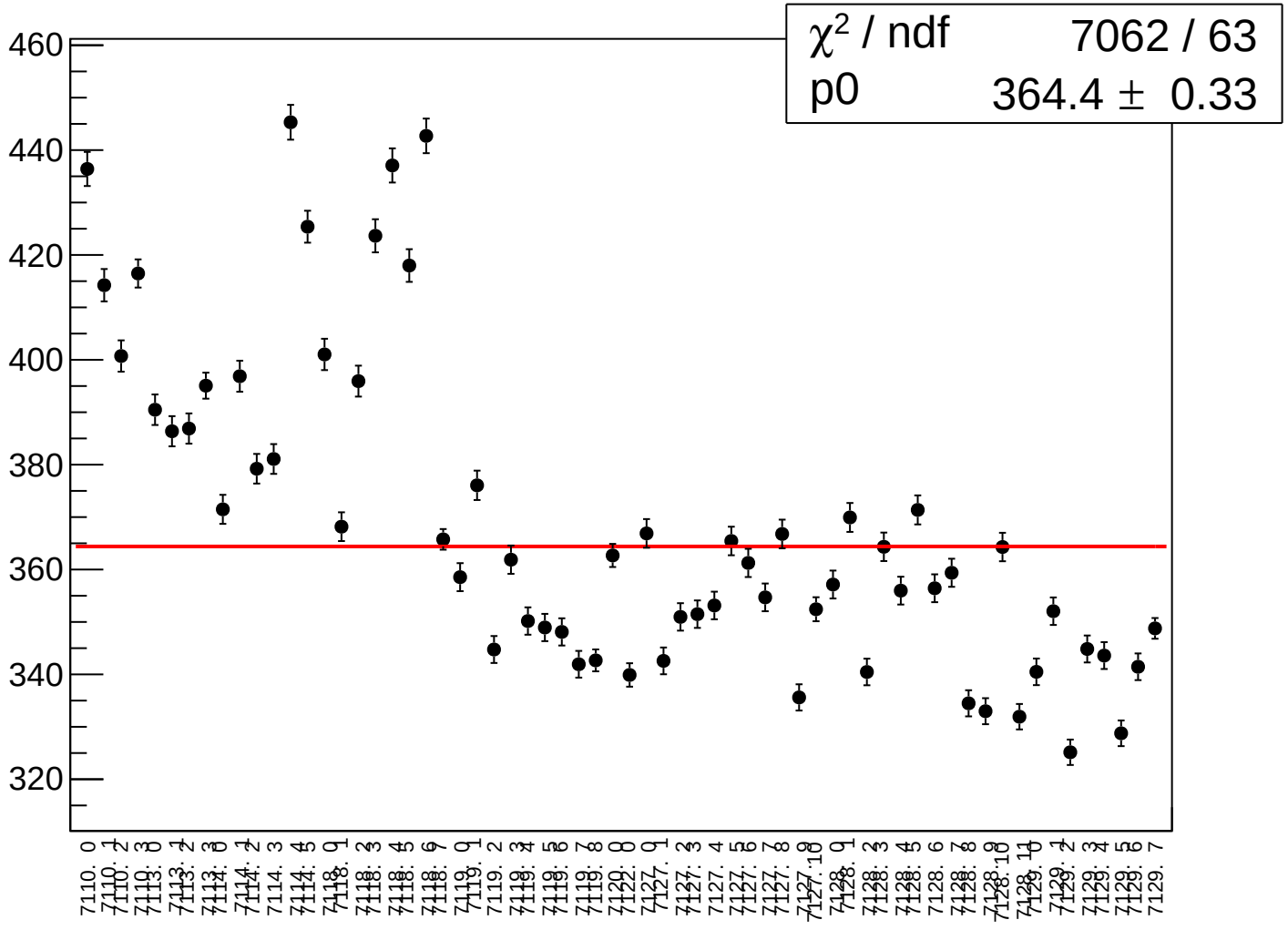

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 59.44 / 63
p0 15.77 ± 62.84
pull
Entries 64
Mean −318.6
Std Dev 0

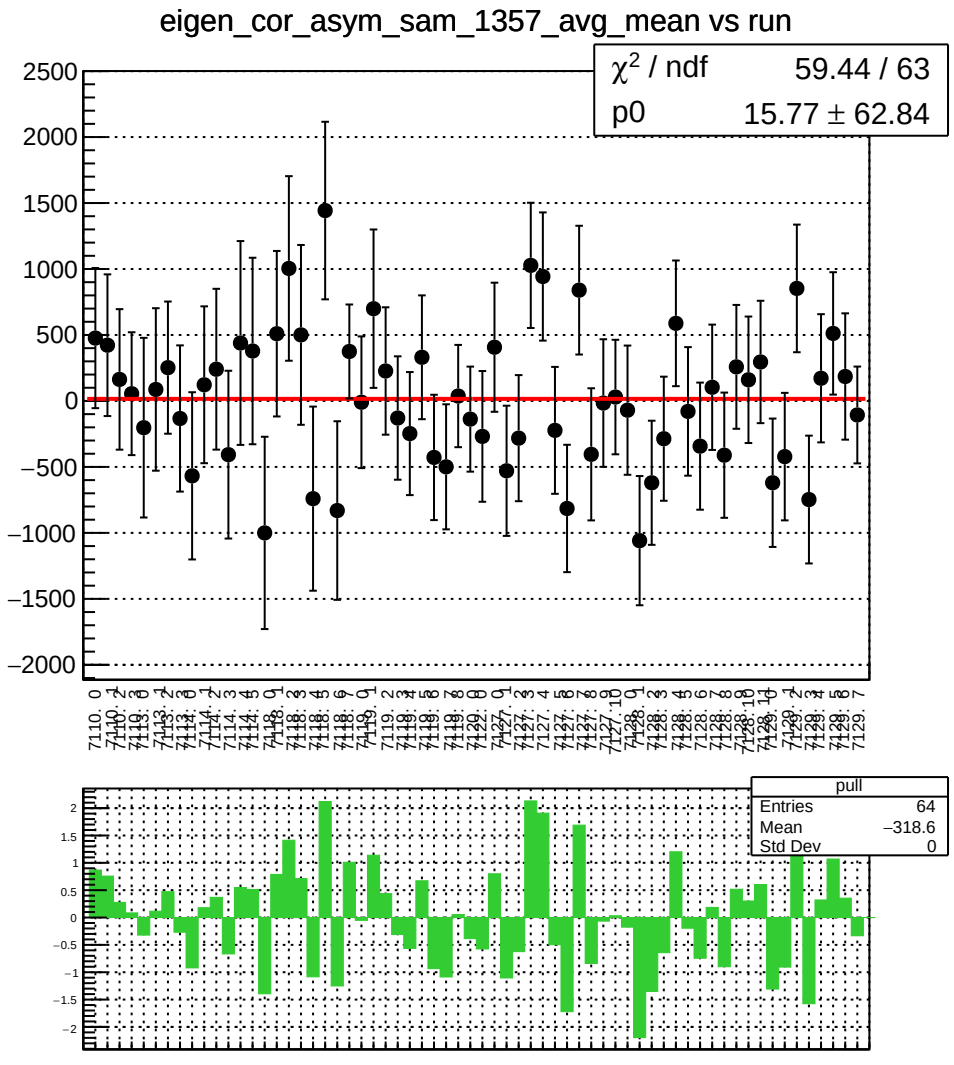

pull1D
Entries 64
Mean 0.006144
Std Dev 0.9637

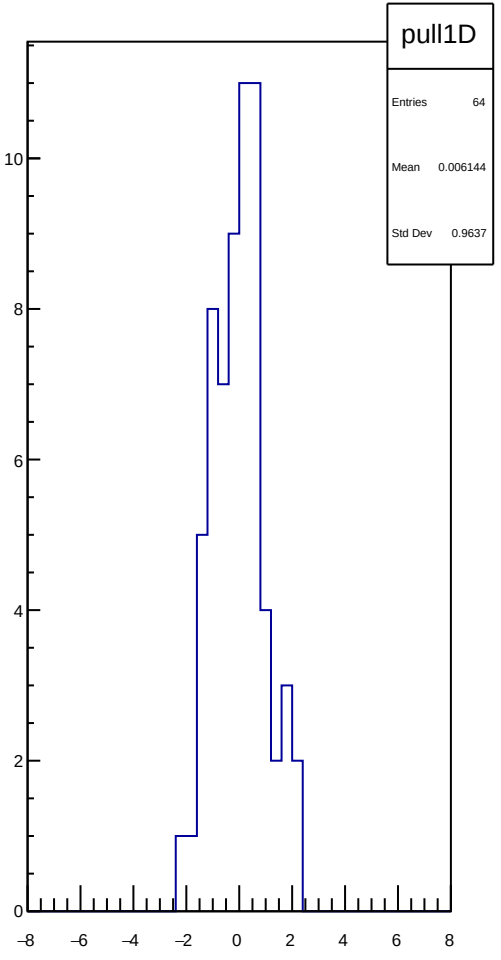

cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.106e+04 / 63
p0 48.78 ± 0.04444
75
70
65
60
55
50
45

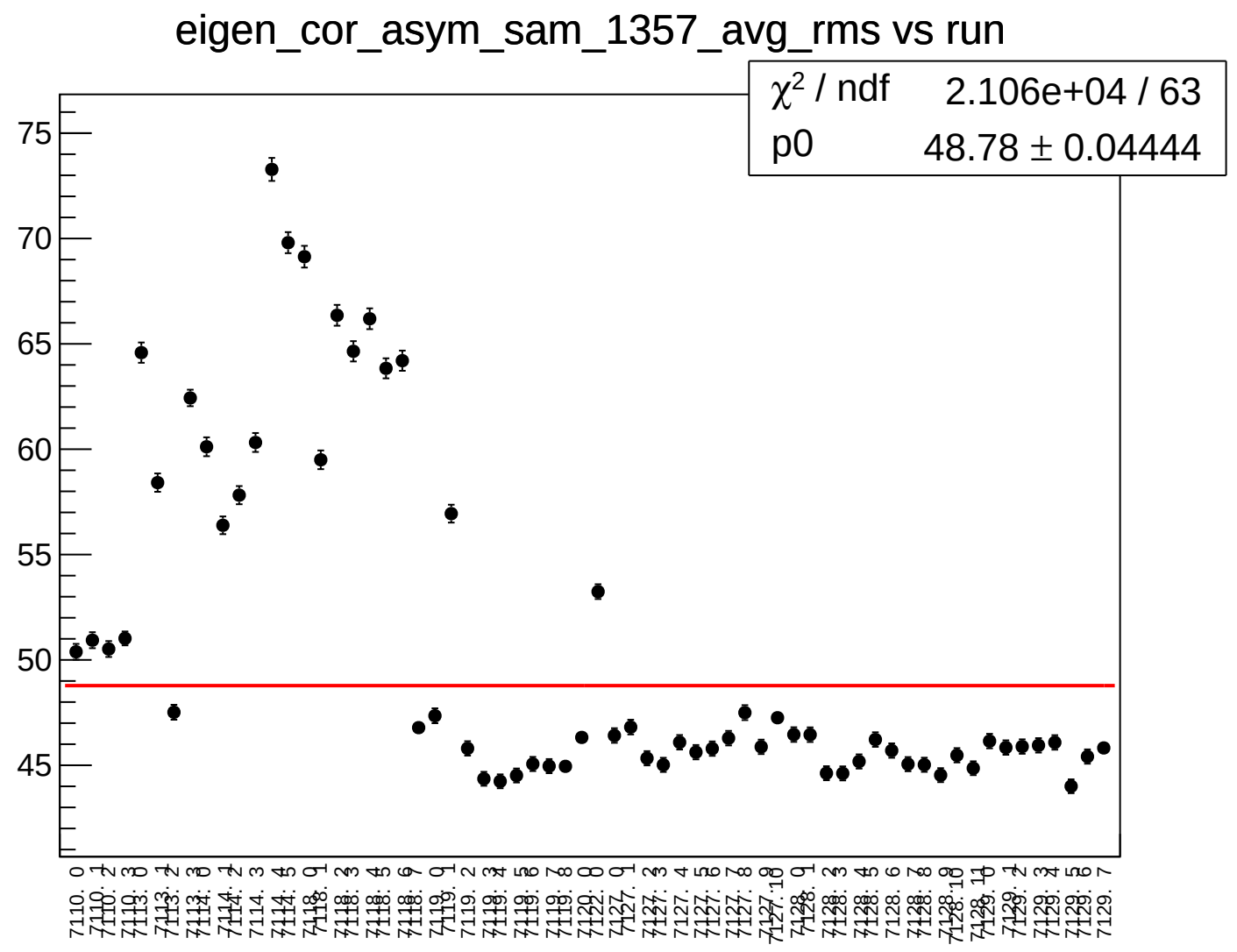

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 63.42 / 63
p0 −999.3 ± 466.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −244.4
Std Dev 0
2
1
0
−1
−2

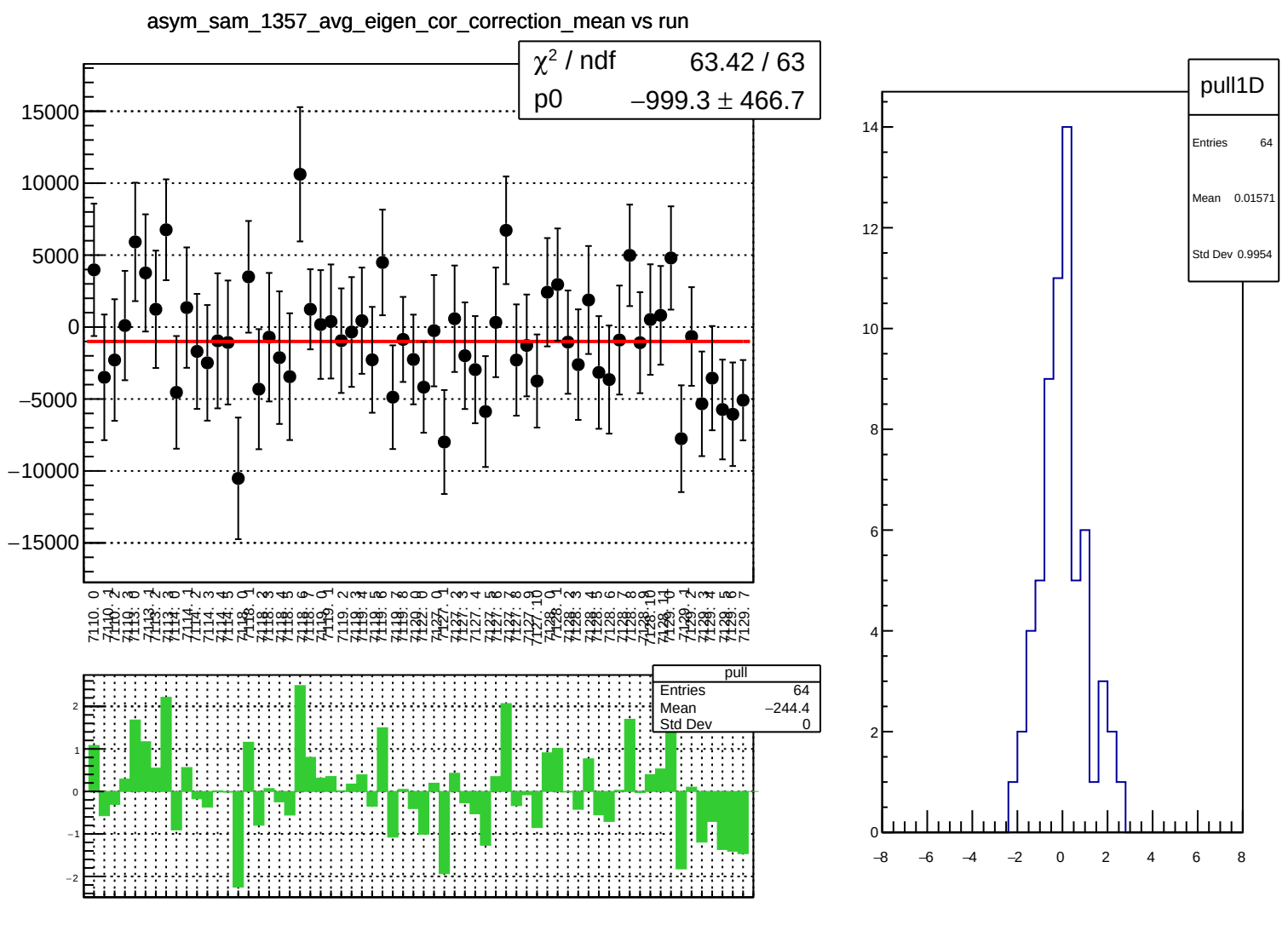

pull1D
Entries 64
Mean 0.01571
Std Dev 0.9954
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

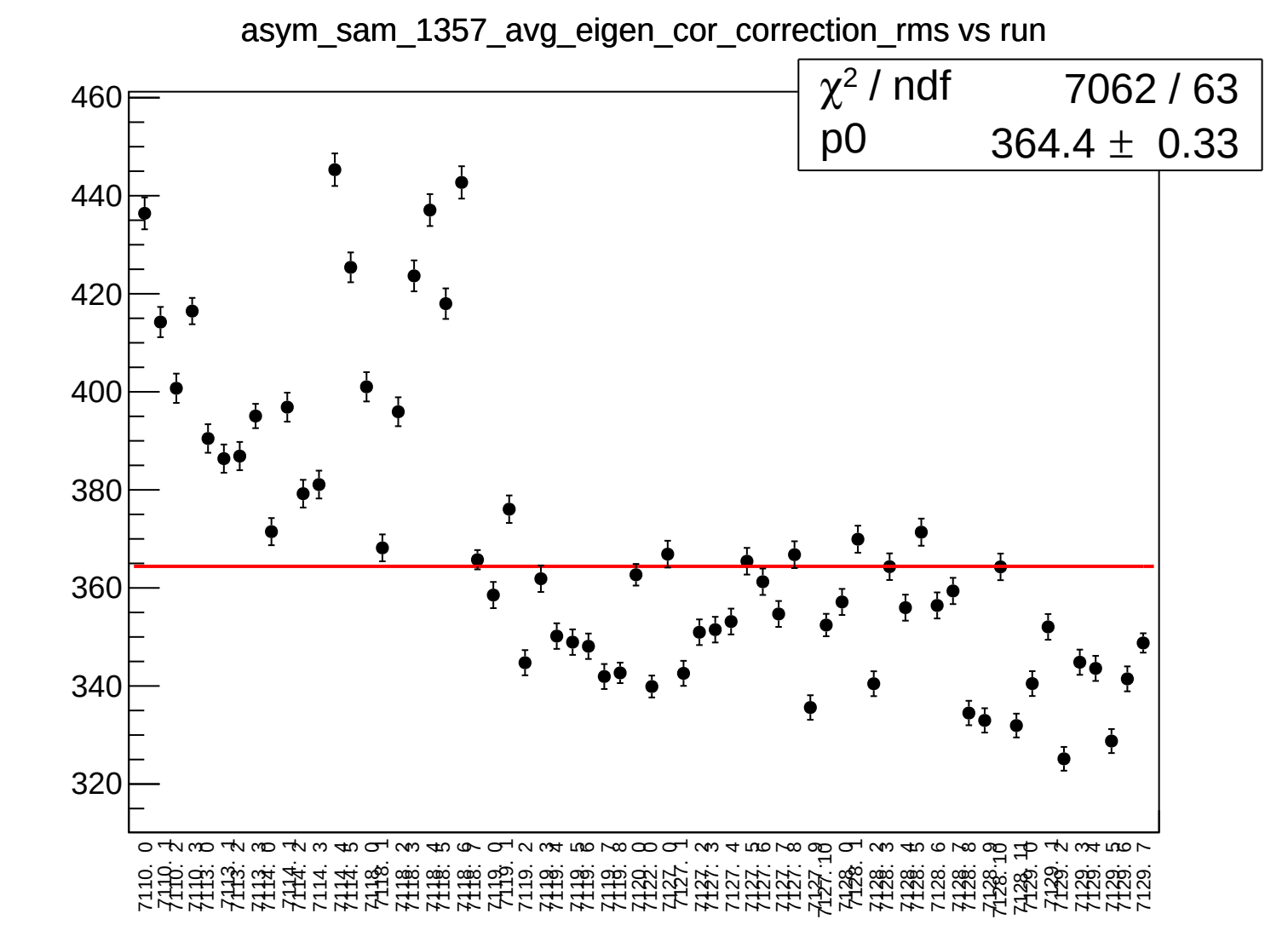

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 7062 / 63
p0 364.4 ± 0.33
460
440
420
400
380
360
340
320

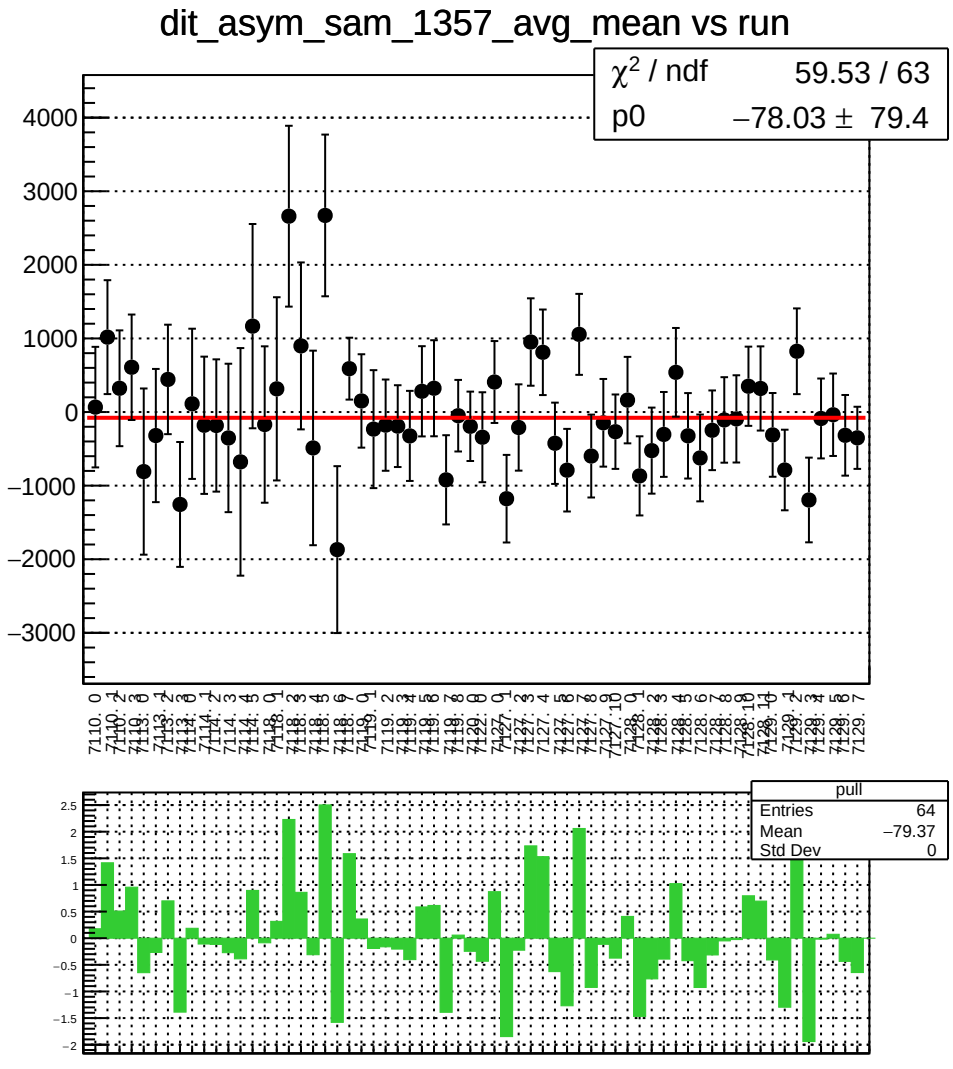

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 59.44 / 63
p0 15.77 ± 62.84
pull
Entries 64
Mean −318.6
Std Dev 0

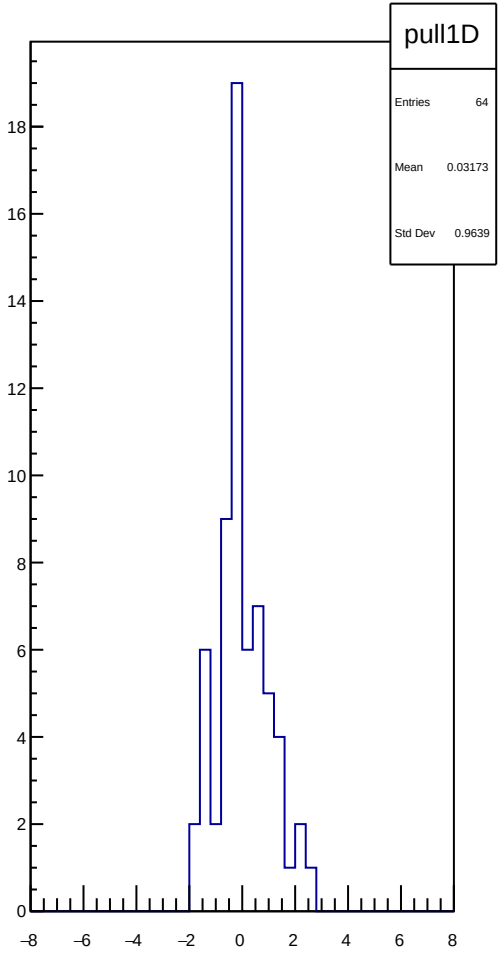

pull1D
Entries 64
Mean 0.006144
Std Dev 0.9637

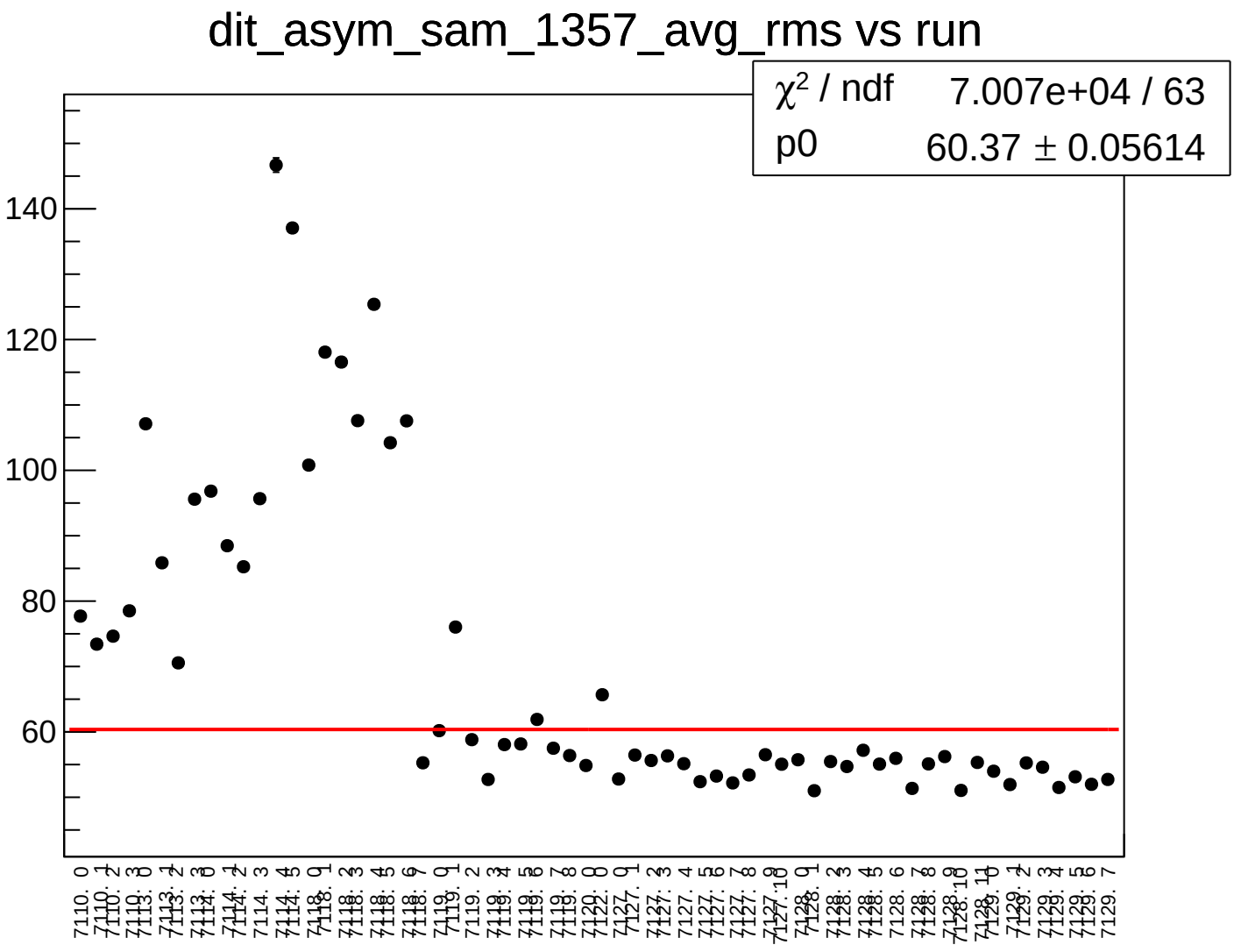

eigen_cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.106e+04 / 63
p0 48.78 ± 0.04444
75
70
65
60
55
50
45

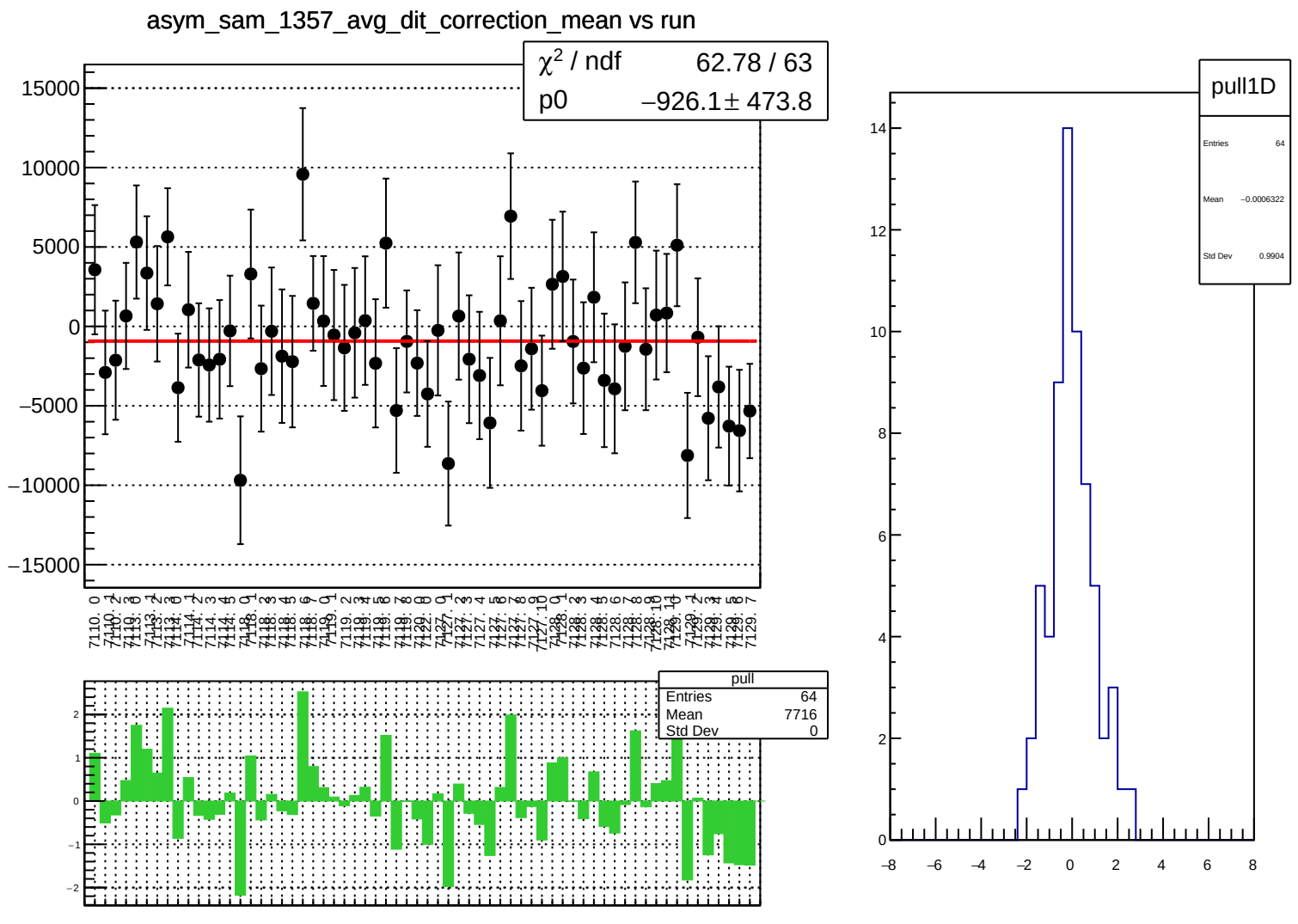

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 63.42 / 63
p0 −999.3 ± 466.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 64
Mean −244.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 64
Mean 0.01571
Std Dev 0.9954
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

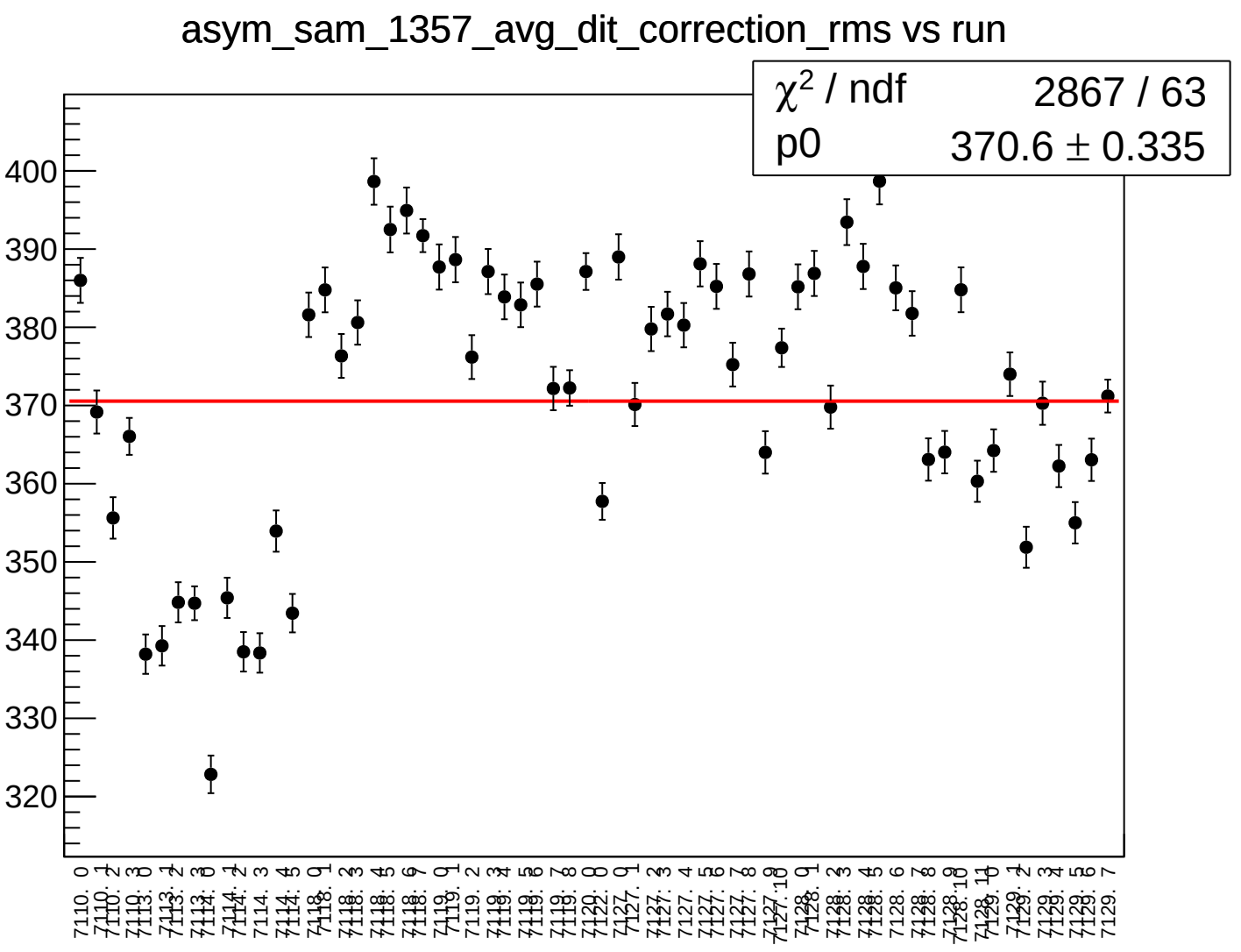

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 7062 / 63
p0 364.4 ± 0.33
460
440
420
400
380
360
340
320

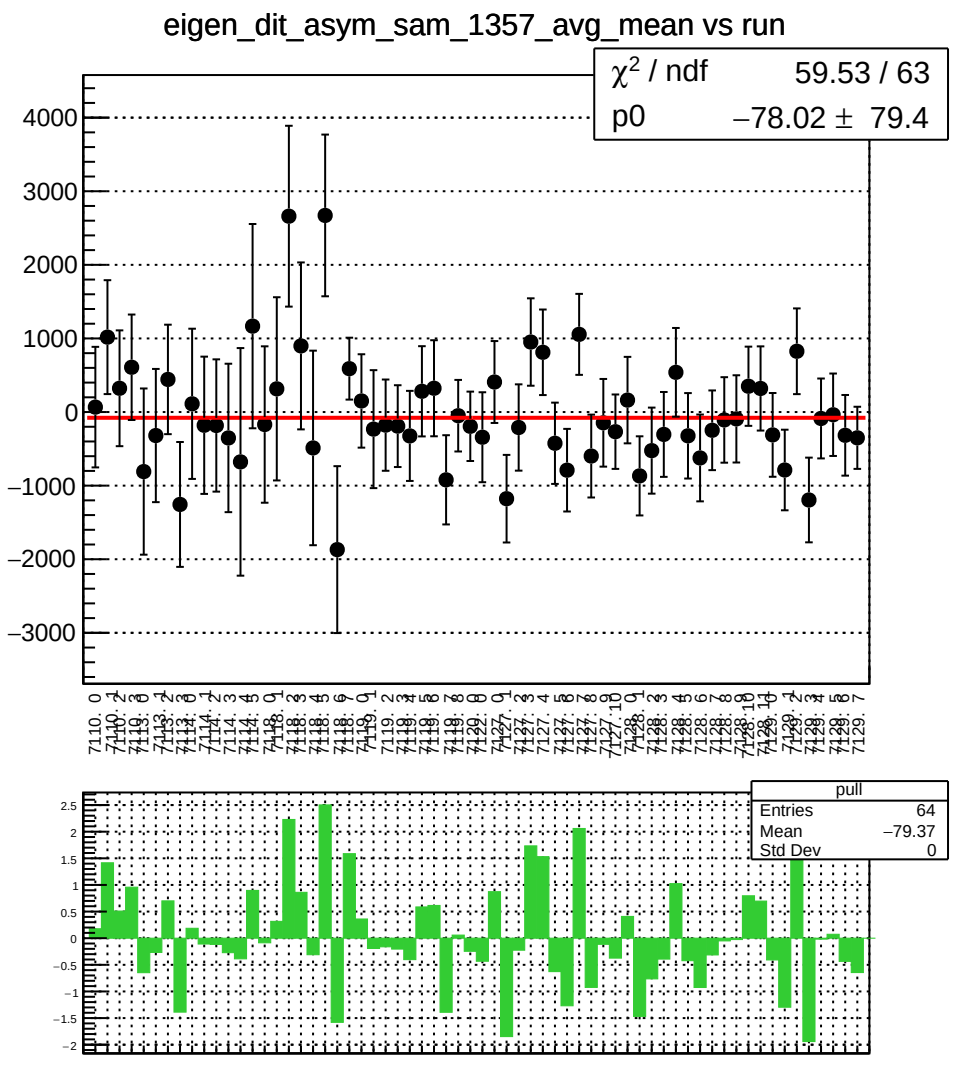

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 59.53 / 63
p0 −78.03 ± 79.4
pull
Entries 64
Mean −79.37
Std Dev 0

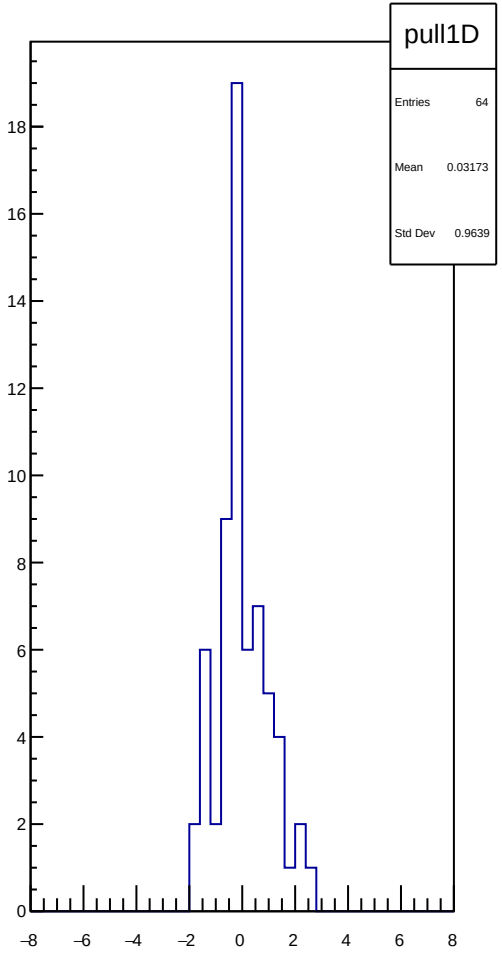

pull1D
Entries 64
Mean 0.03173
Std Dev 0.9639

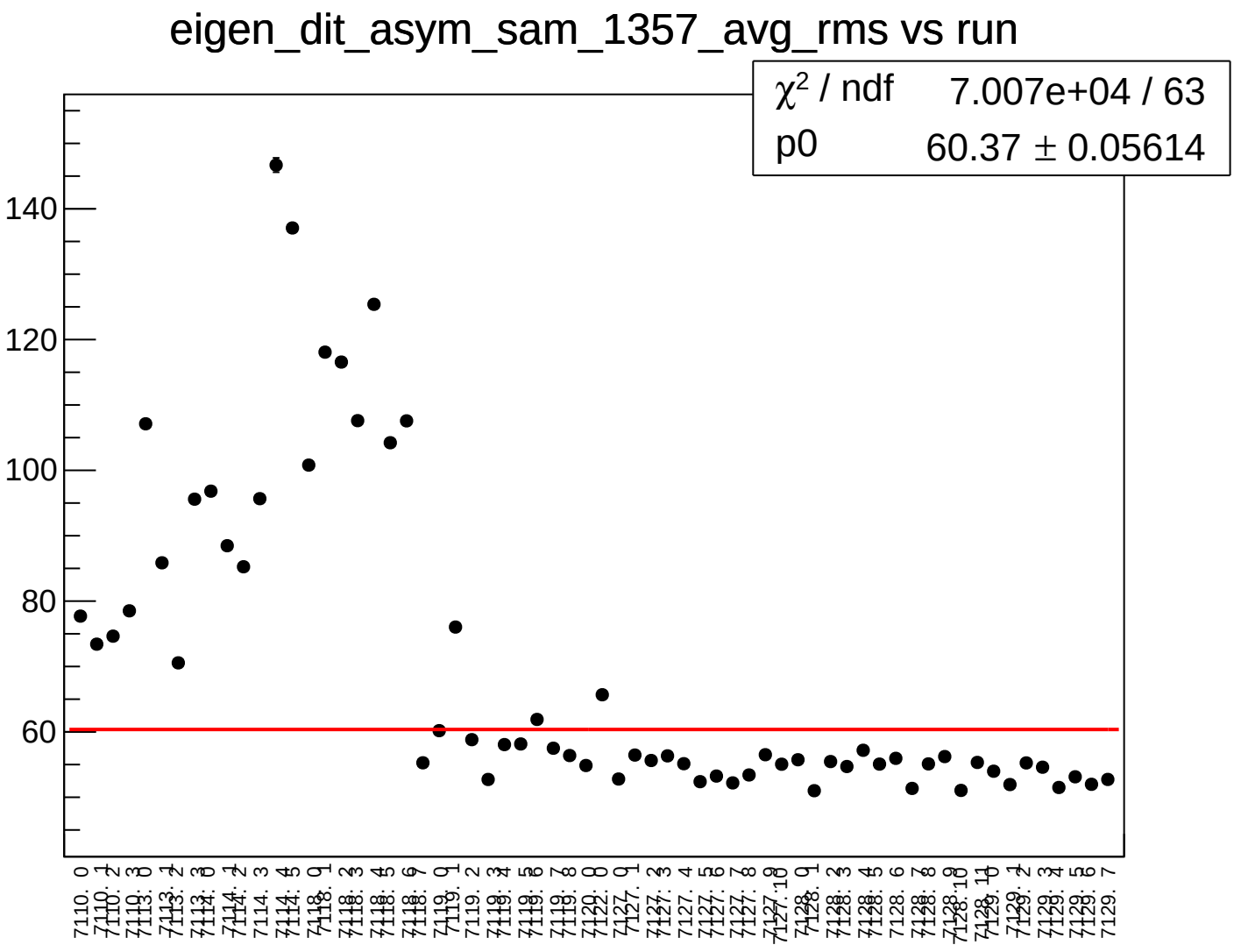

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 7.007e+04 / 63
p0 60.37 ± 0.05614
140
120
100
80
60

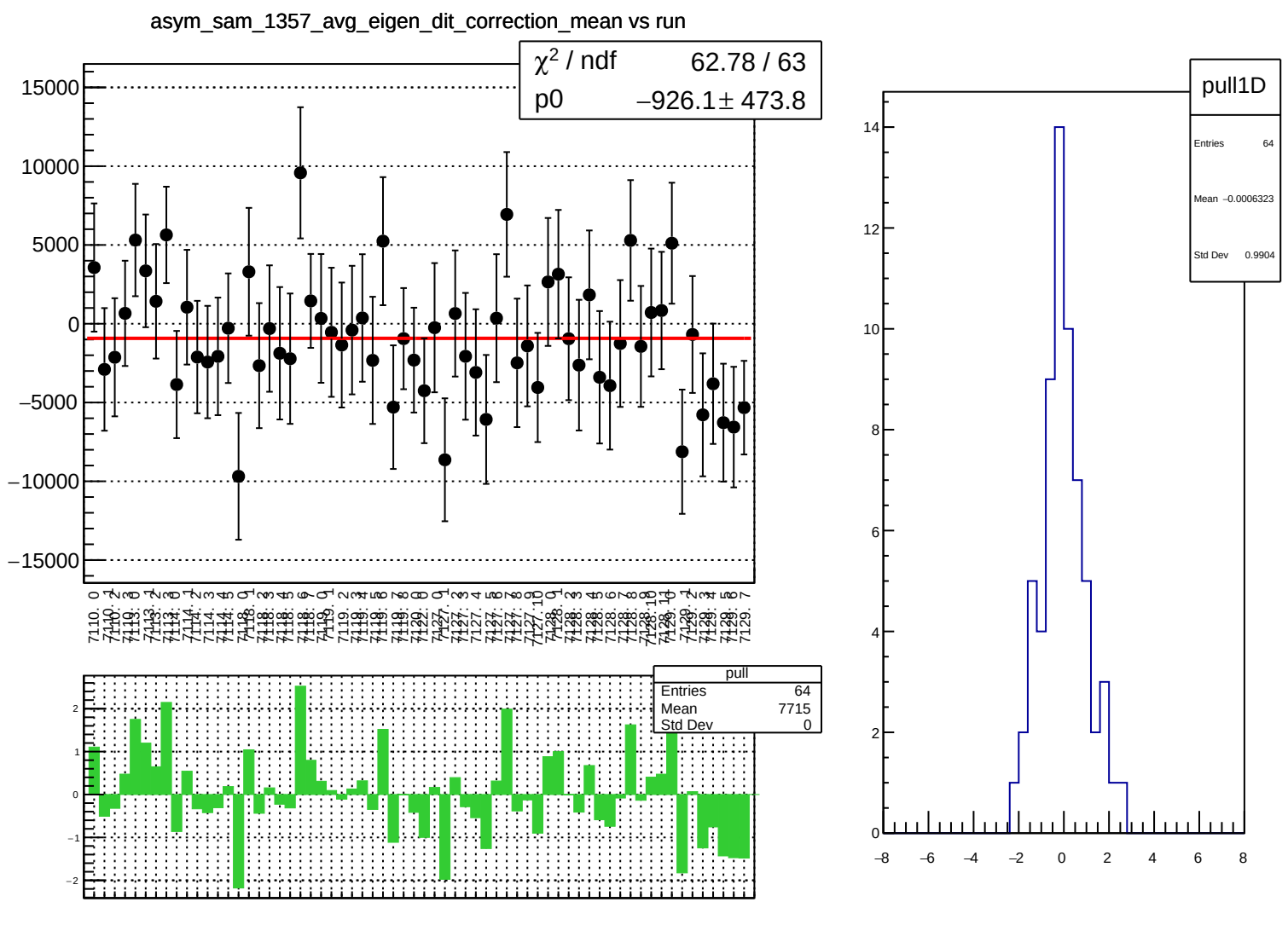

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 62.78 / 63
p0 −926.1 ± 473.8
pull
Entries 64
Mean 7716
Std Dev 0
pull1D
Entries 64
Mean −0.0006322
Std Dev 0.9904

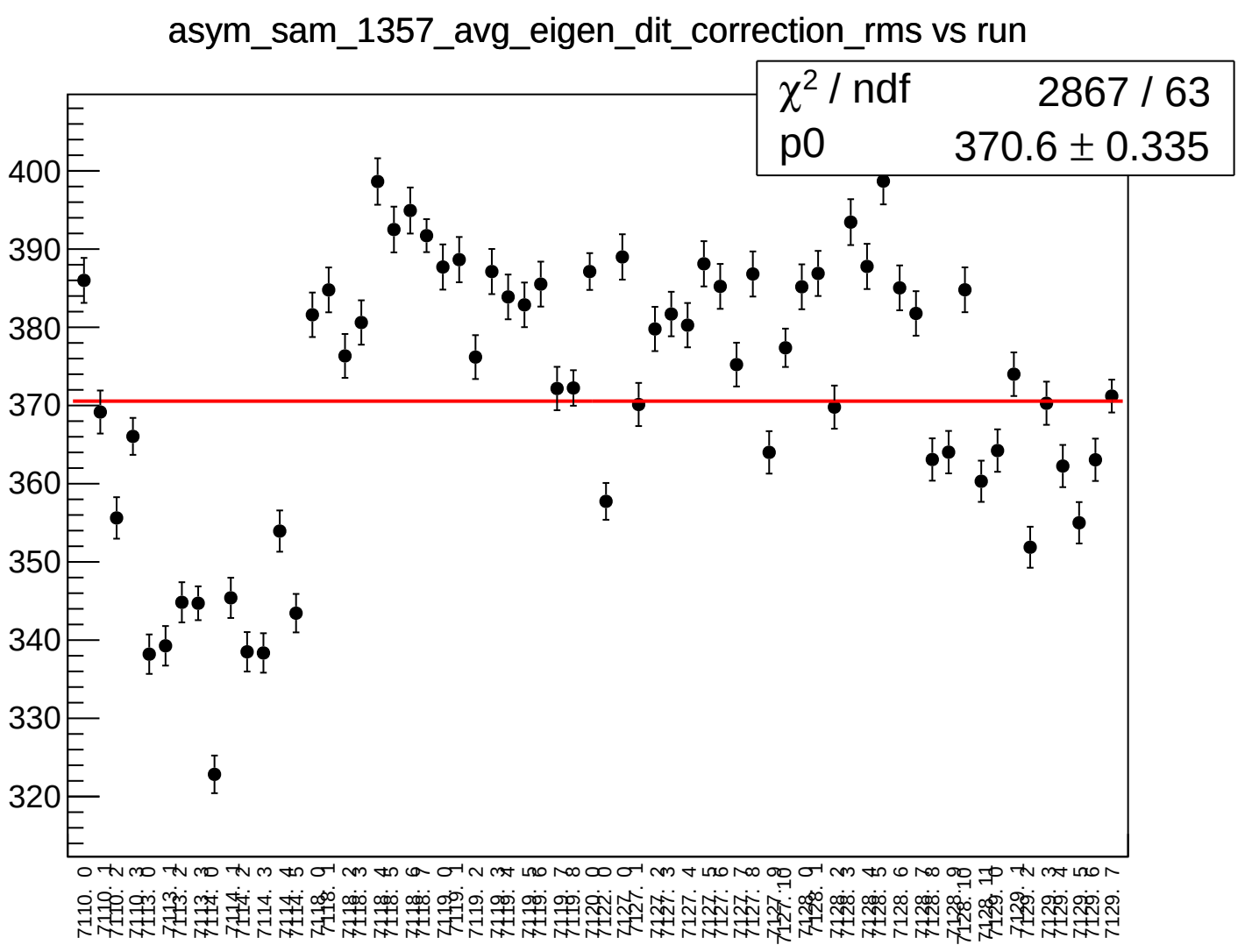

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 2867 / 63
p0 370.6 ± 0.335
400
390
380
370
360
350
340
330
320

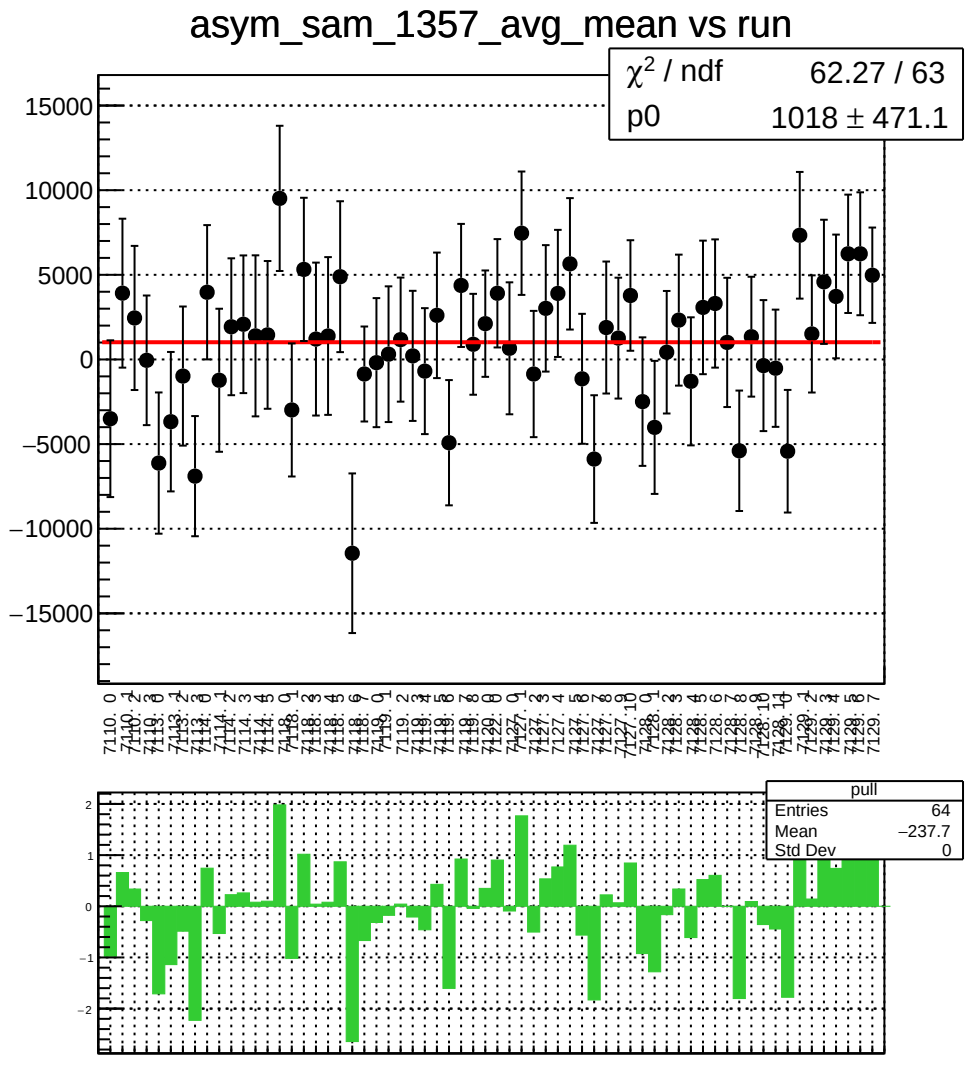

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 59.53 / 63
p0 −78.02 ± 79.4
pull
Entries 64
Mean −79.37
Std Dev 0

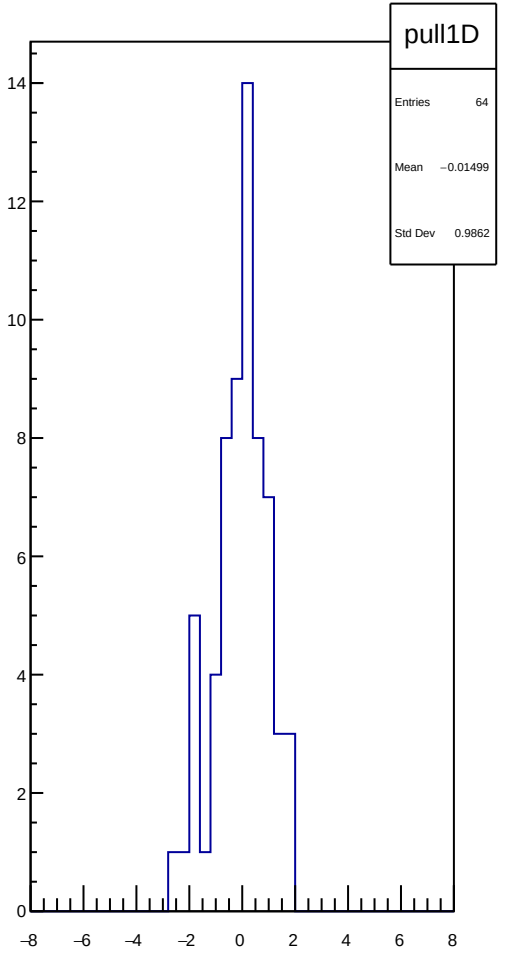

pull1D
Entries 64
Mean 0.03173
Std Dev 0.9639

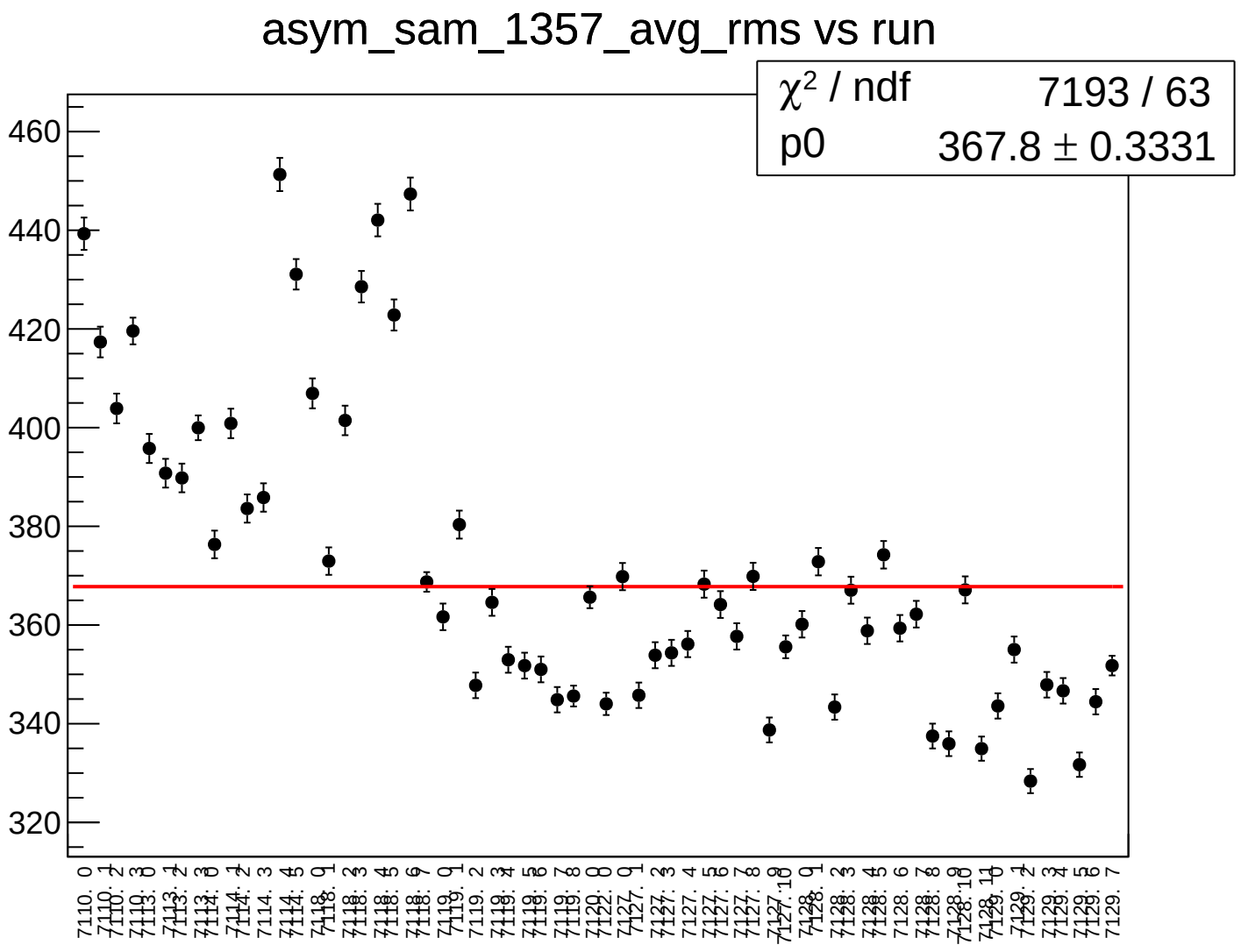

eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 7.007e+04 / 63
p0 60.37 ± 0.05614
140
120
100
80
60

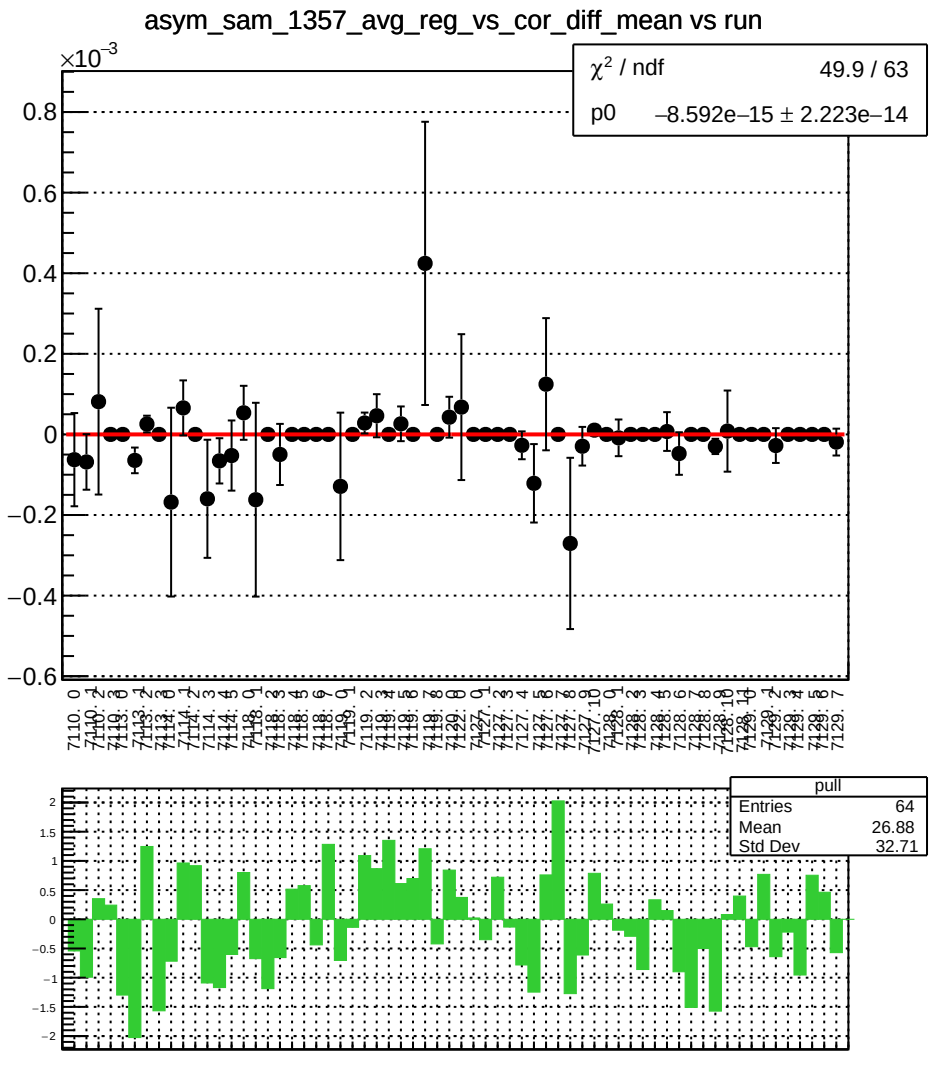

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 62.78 / 63
p0 −926.1 ± 473.8
pull
Entries 64
Mean 7715
Std Dev 0
pull1D
Entries 64
Mean −0.0006323
Std Dev 0.9904

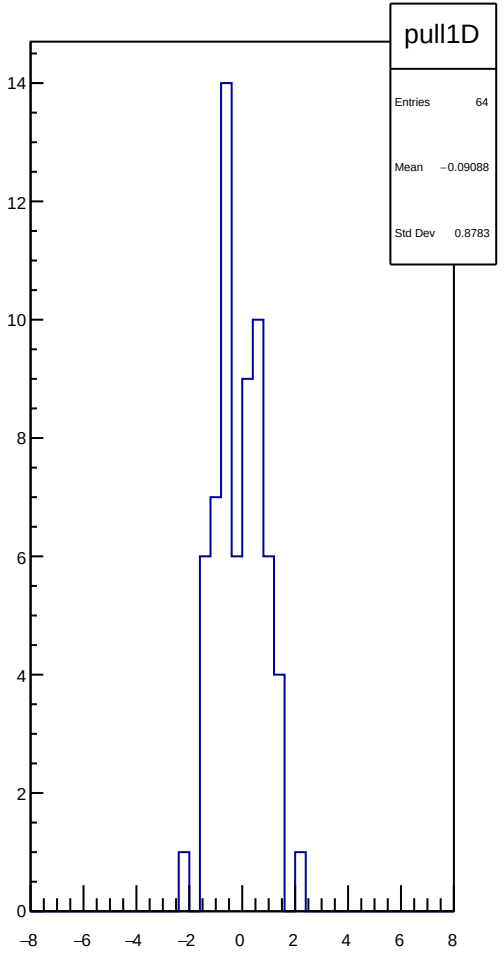

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 2867 / 63
p0 370.6 ± 0.335
400
390
380
370
360
350
340
330
320

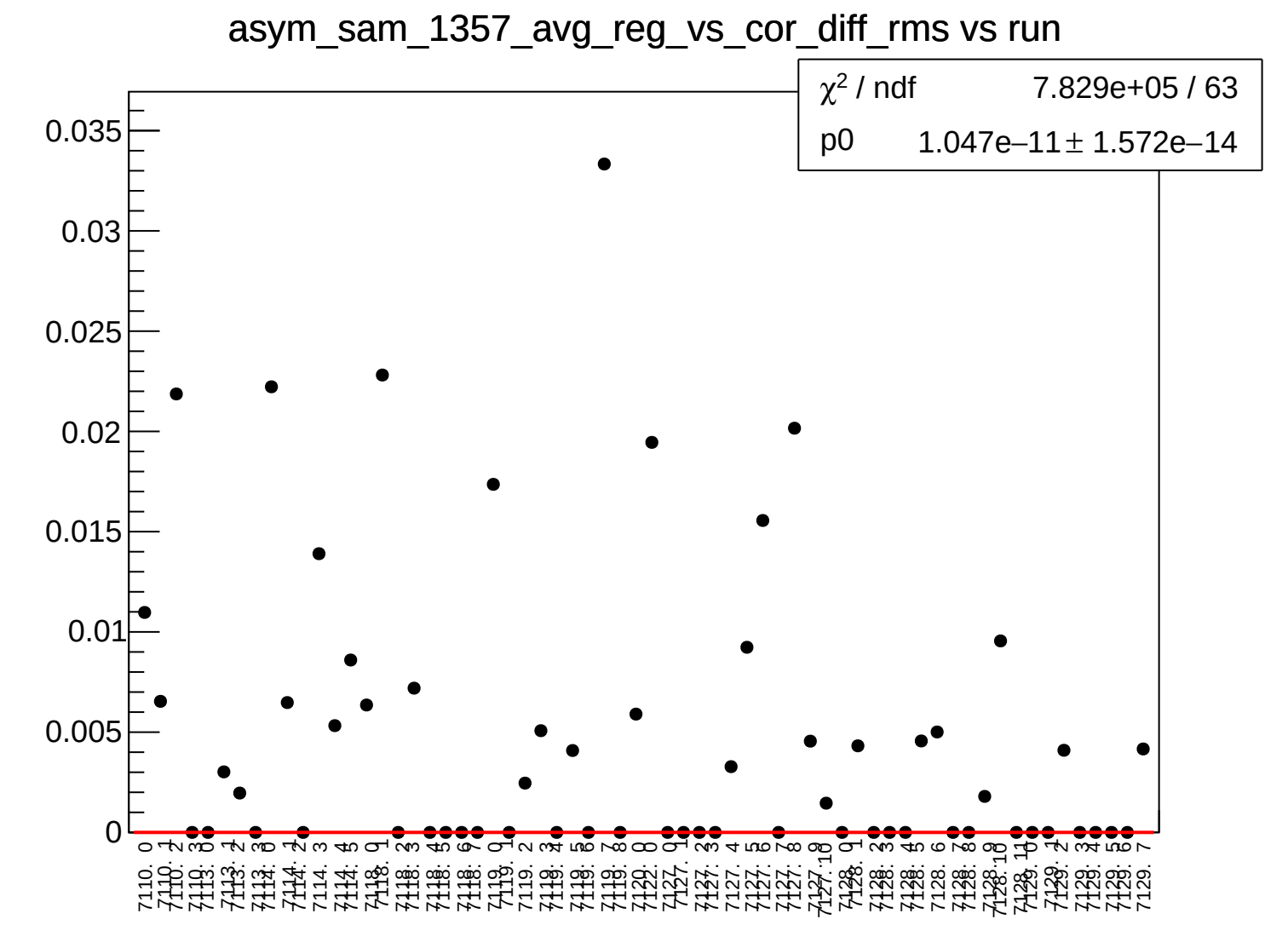

asym_sam_1357_avg_mean vs run
χ² / ndf 62.27 / 63
p0 1018 ± 471.1
pull
Entries 64
Mean −237.7
Std Dev 0

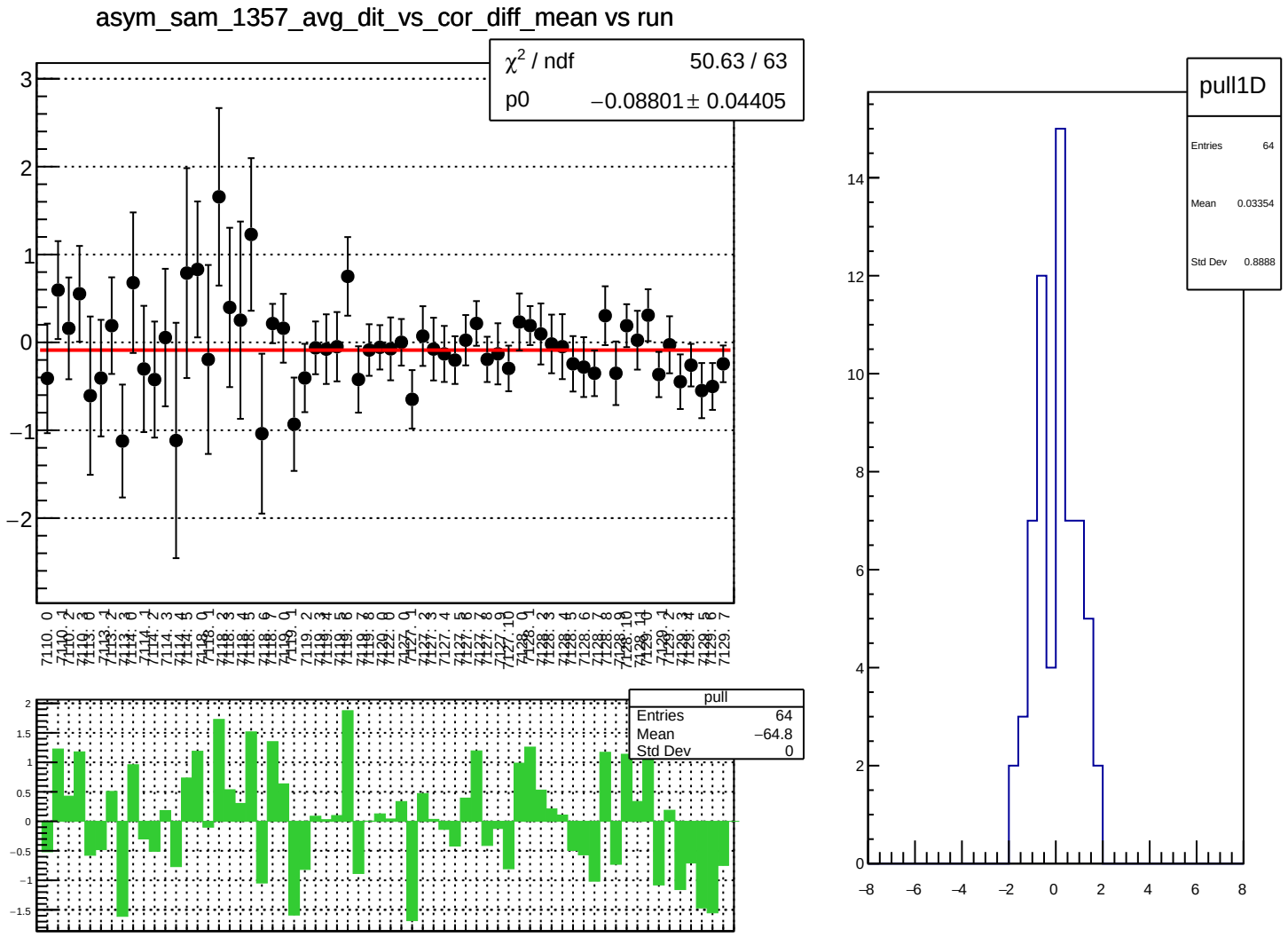

pull1D
Entries 64
Mean −0.01499
Std Dev 0.9862

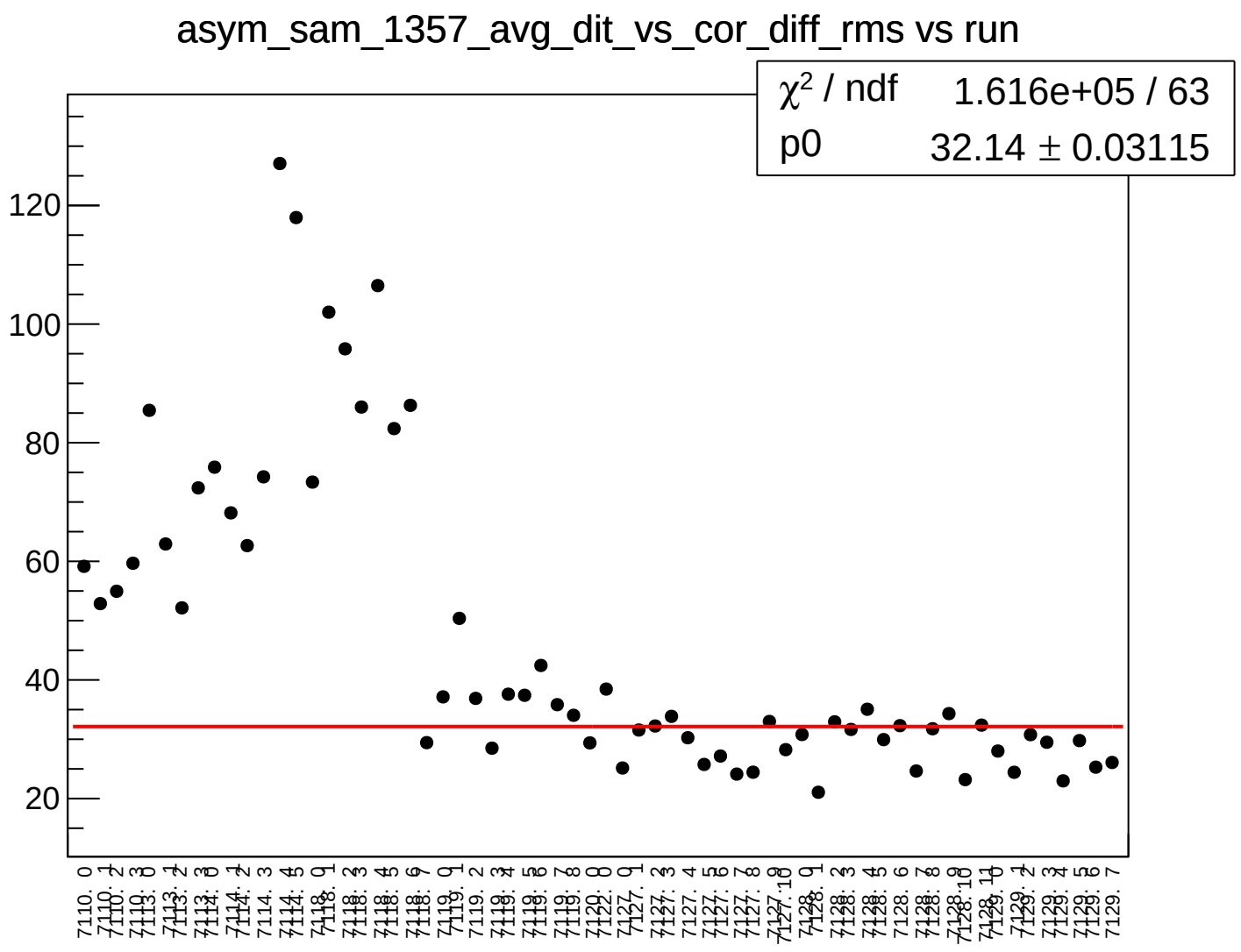

asym_sam_1357_avg_rms vs run
χ² / ndf 7193 / 63
p0 367.8 ± 0.3331
460
440
420
400
380
360
340
320

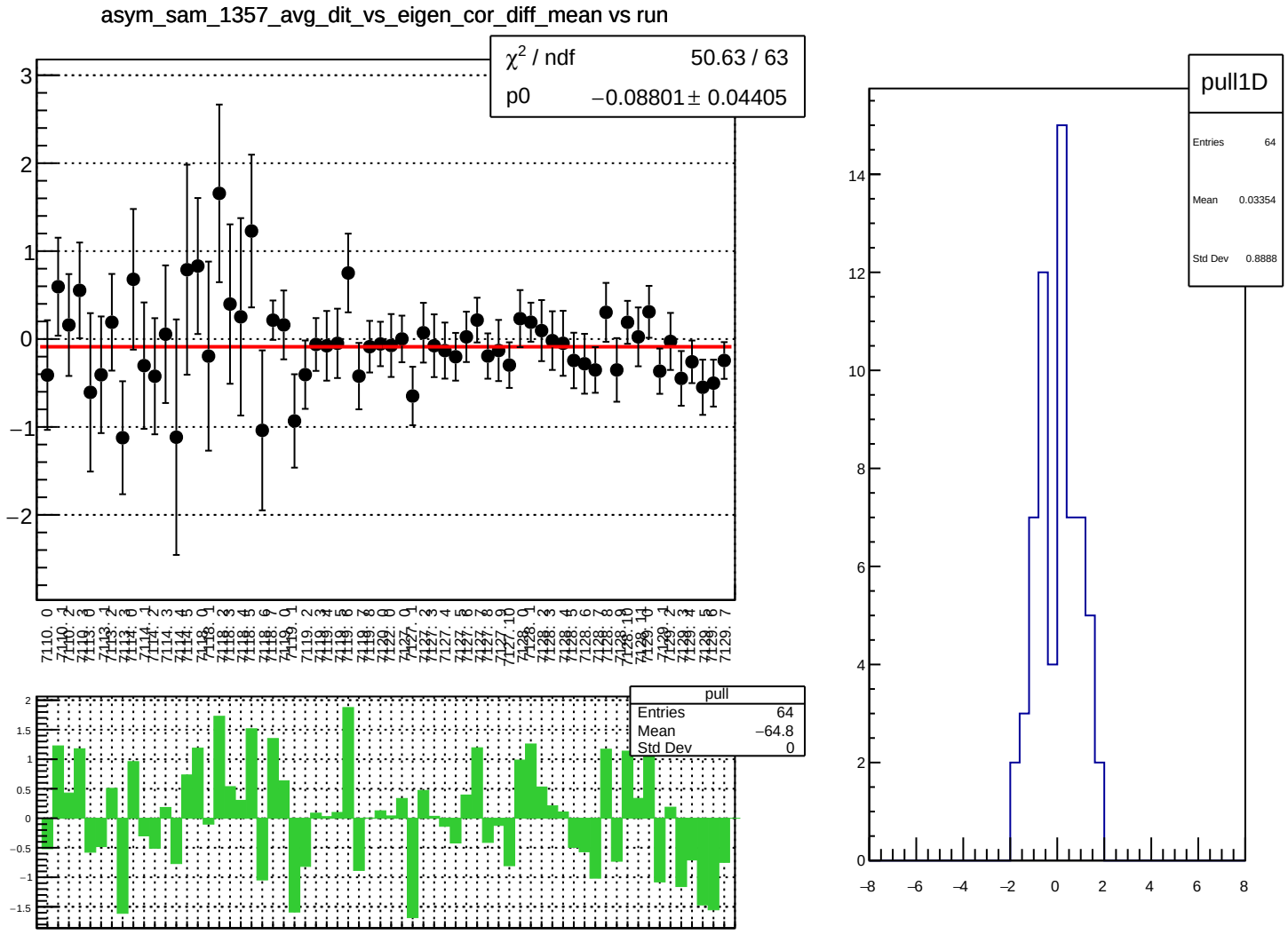

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 49.9 / 63
p0 −8.592e−15 ± 2.223e−14
pull
Entries 64
Mean 26.88
Std Dev 32.71

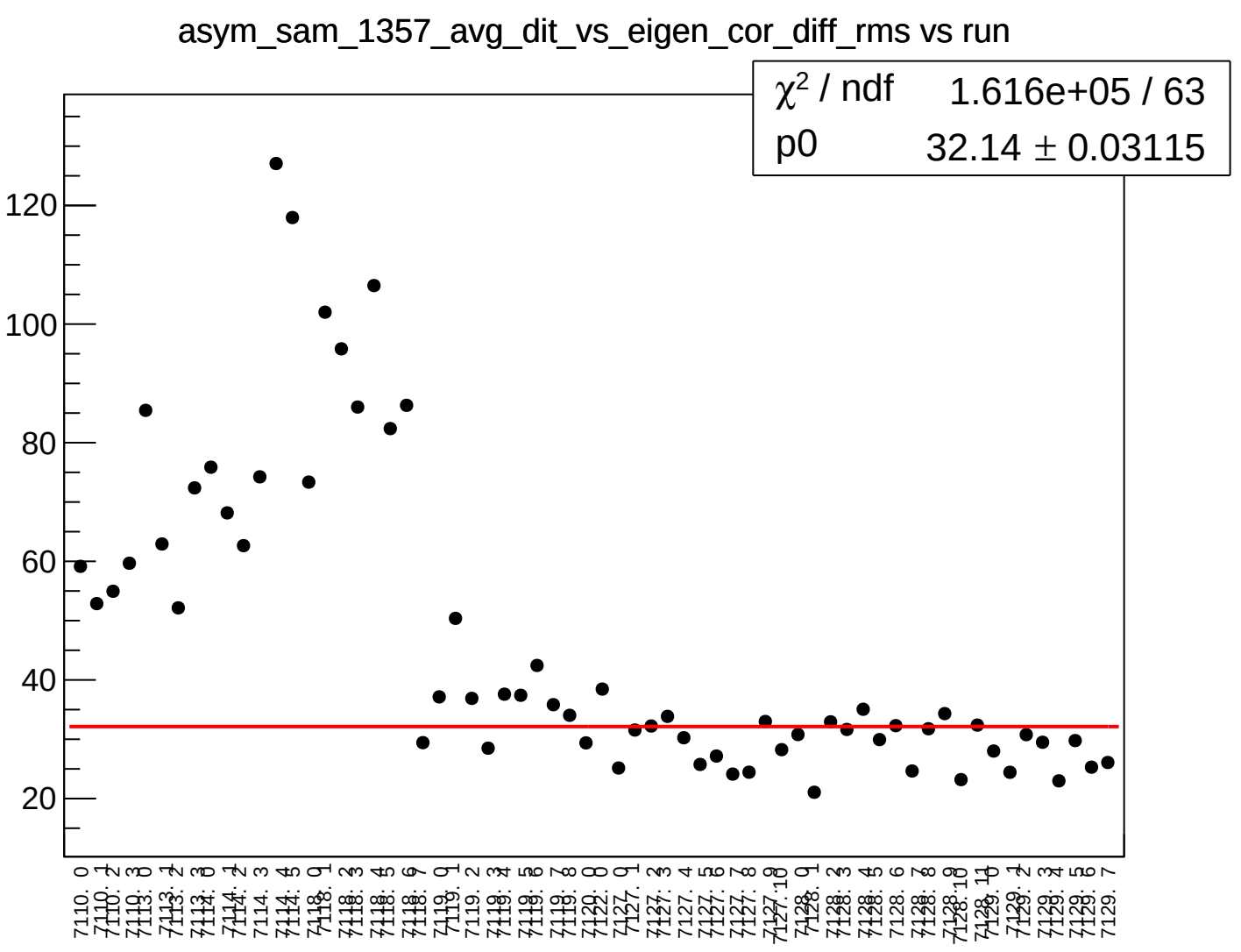

pull1D
Entries 64
Mean −0.09088
Std Dev 0.8783

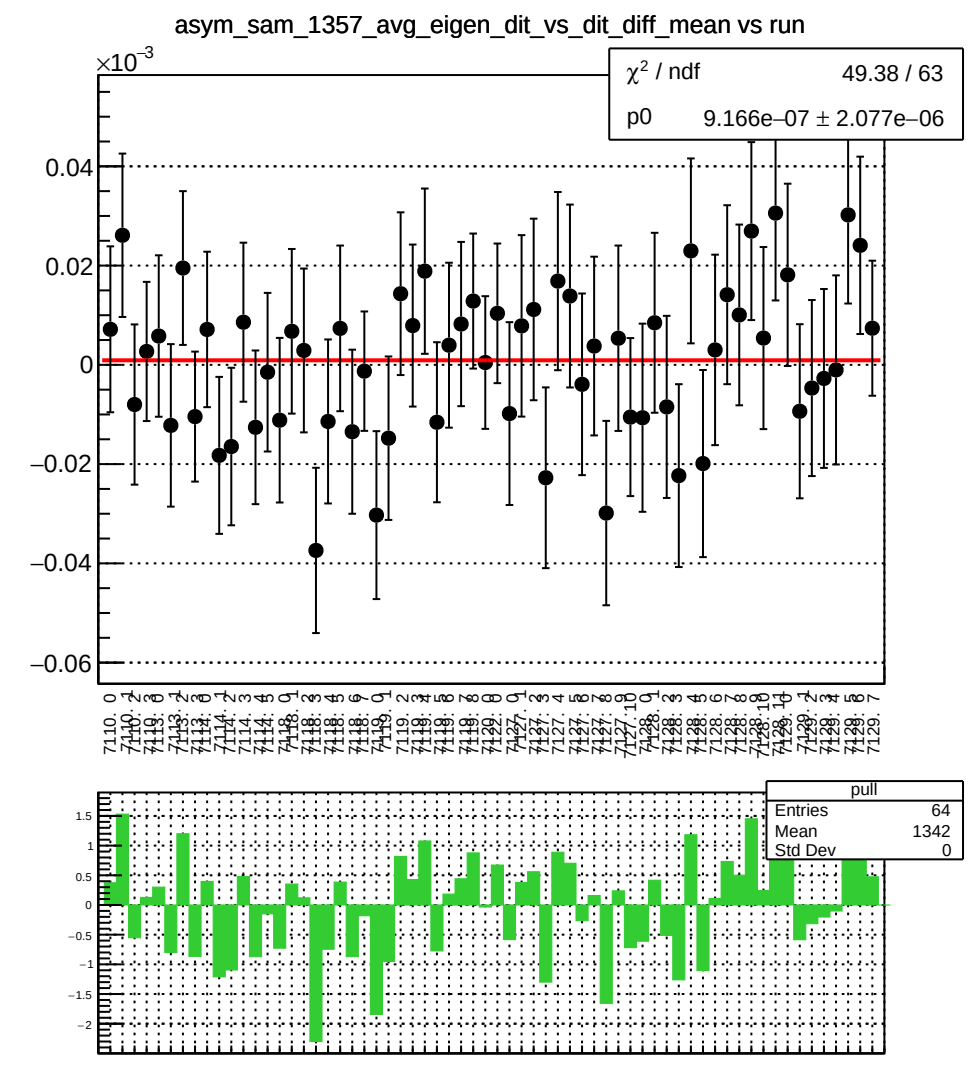

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.829e+05 / 63
p0 1.047e−11 ± 1.572e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

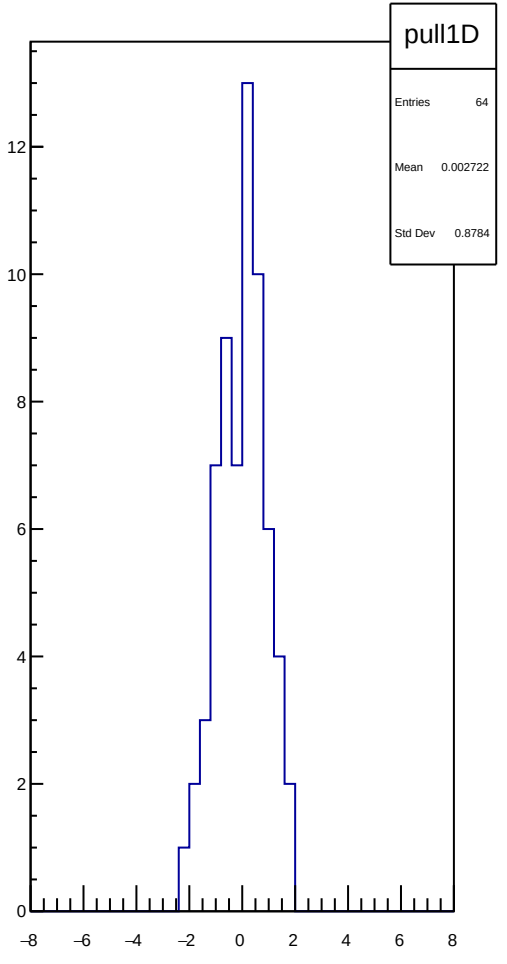

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.63 / 63
p0 −0.08801 ± 0.04405
pull
Entries 64
Mean −64.8
Std Dev 0
pull1D
Entries 64
Mean 0.03354
Std Dev 0.8888

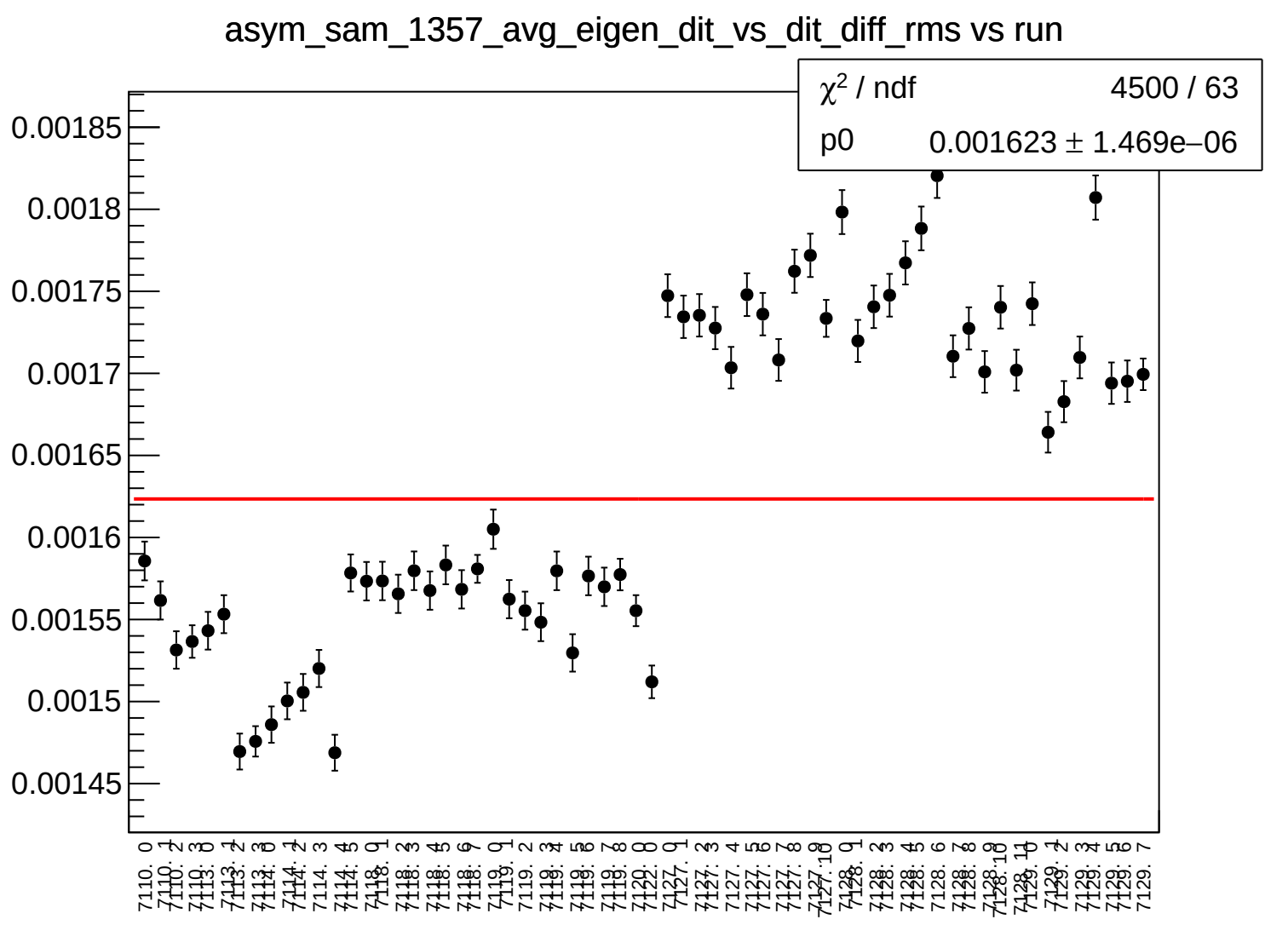

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.616e+05 / 63
p0 32.14 ± 0.03115
120
100
80
60
40
20

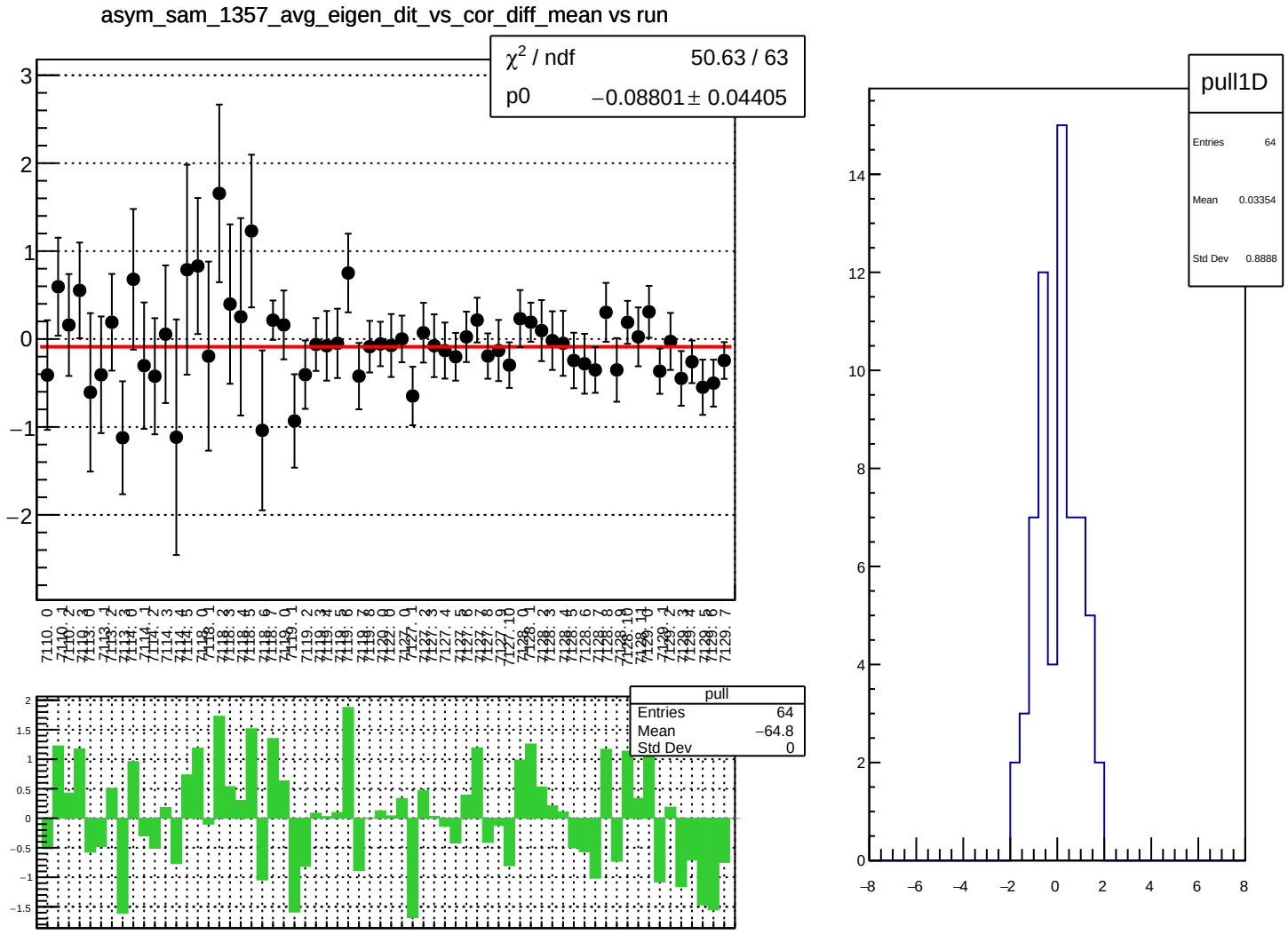

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.63 / 63
p0 −0.08801 ± 0.04405
pull
Entries 64
Mean −64.8
Std Dev 0
pull1D
Entries 64
Mean 0.03354
Std Dev 0.8888

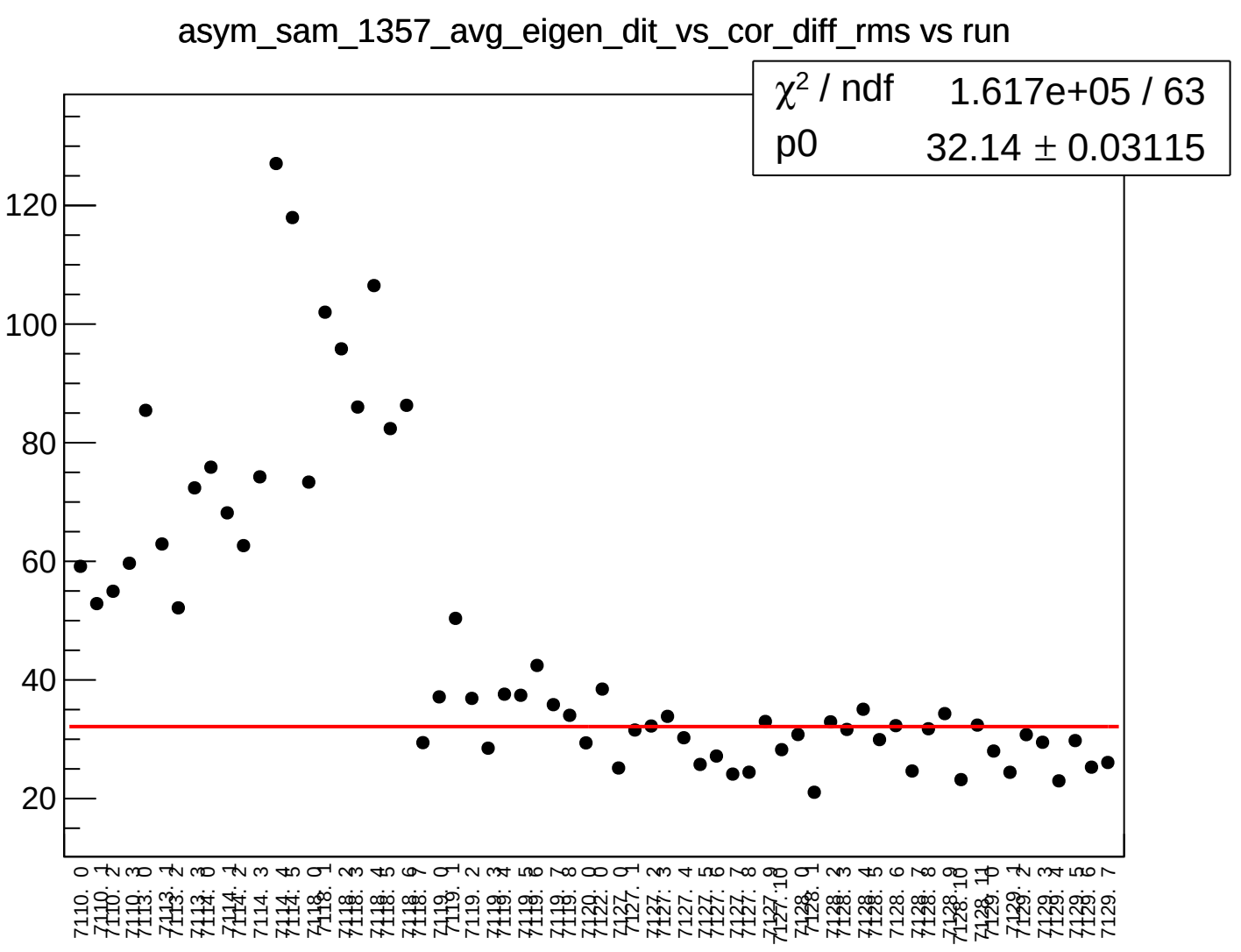

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.616e+05 / 63
p0 32.14 ± 0.03115
120
100
80
60
40
20


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.38 / 63
p0 9.166e−07 ± 2.077e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 1342
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

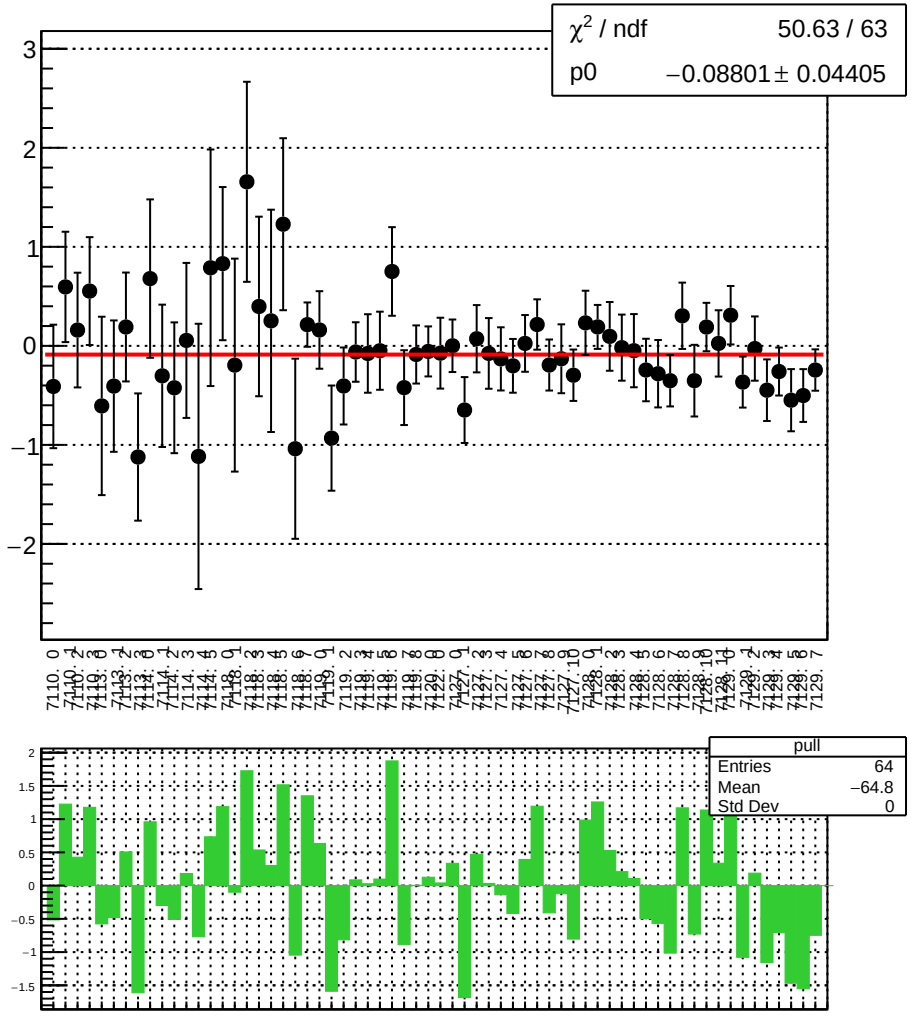

pull1D
Entries 64
Mean 0.002722
Std Dev 0.8784
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

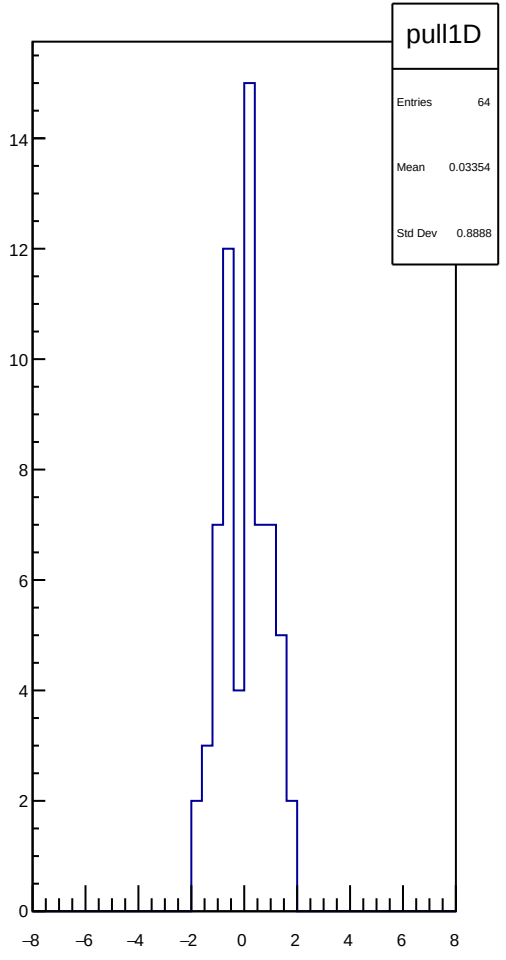

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4500 / 63
p0 0.001623 ± 1.469e−06
0.00185
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145

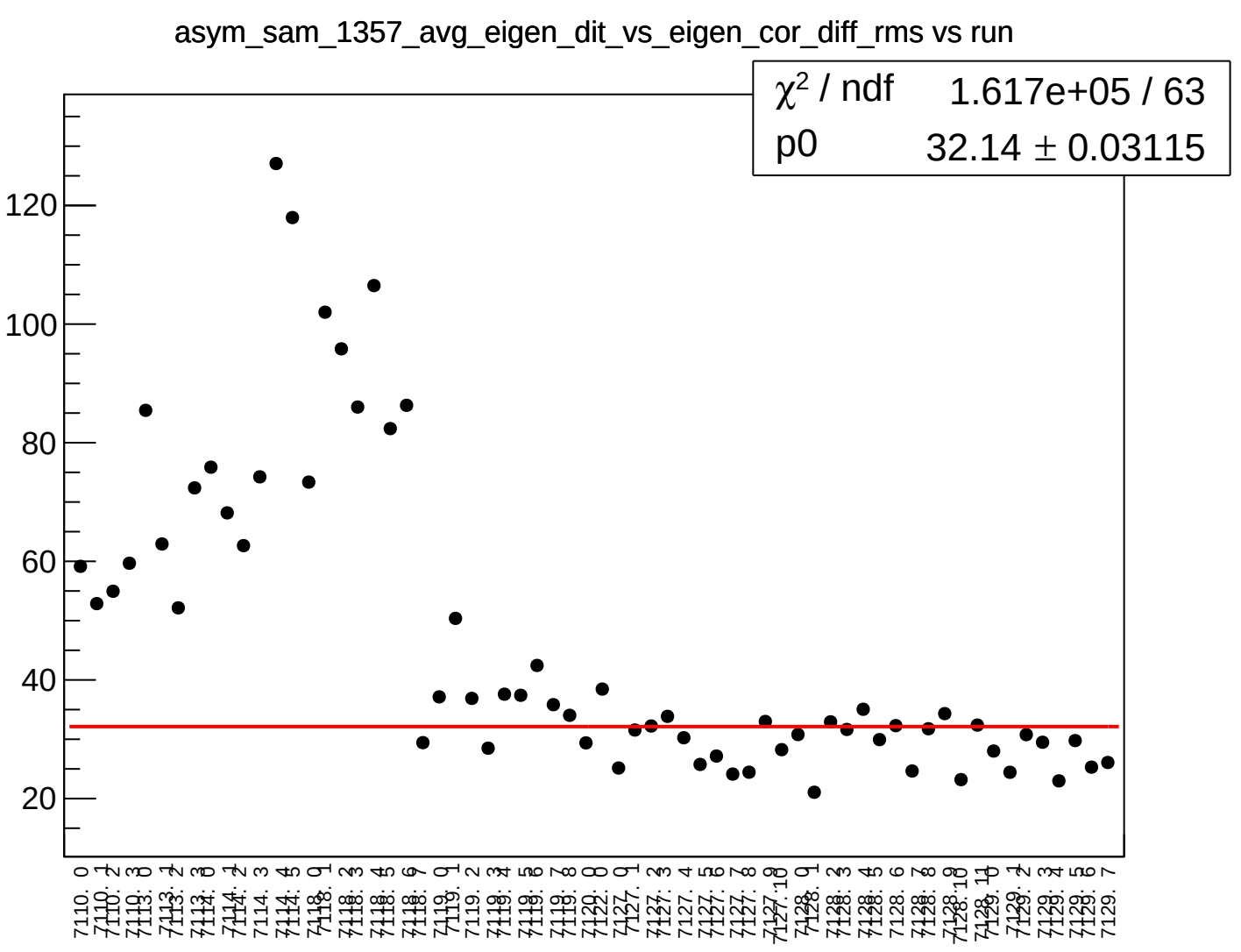

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.63 / 63
p0 −0.08801 ± 0.04405
pull
Entries 64
Mean −64.8
Std Dev 0
pull1D
Entries 64
Mean 0.03354
Std Dev 0.8888

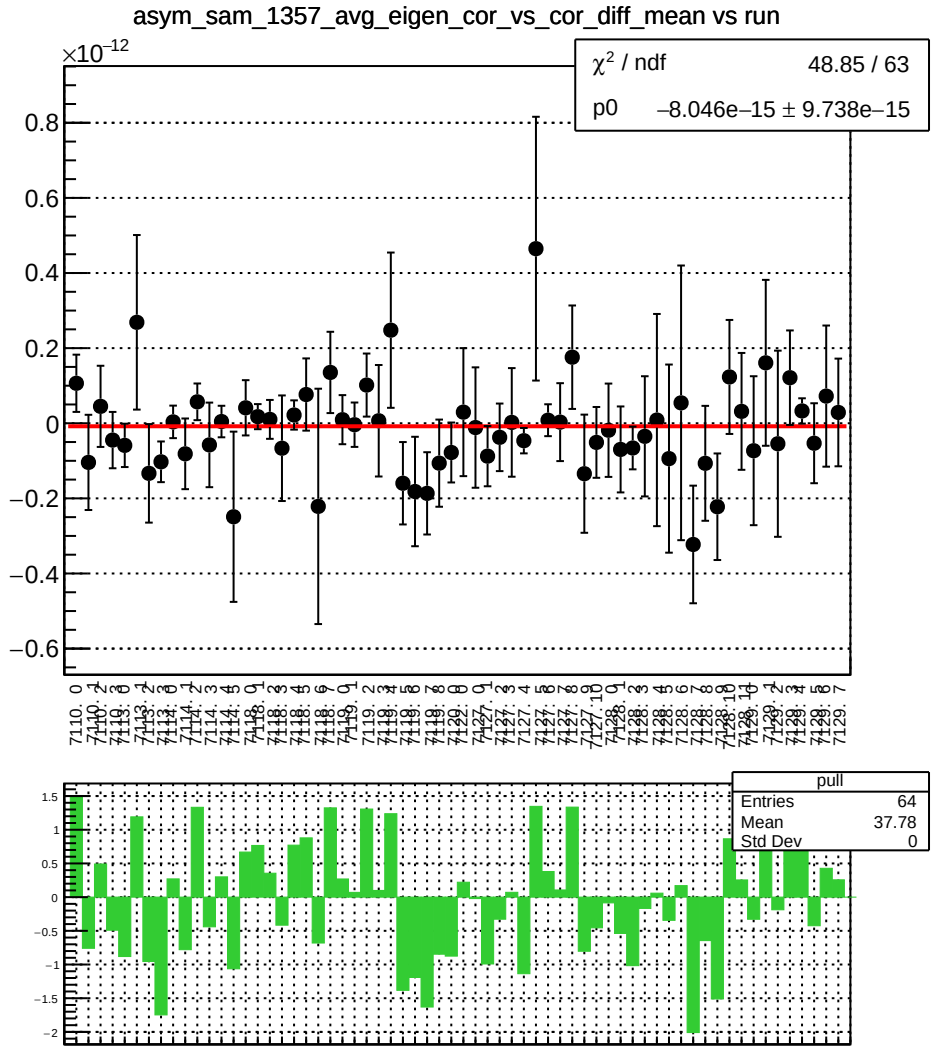

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.617e+05 / 63
p0 32.14 ± 0.03115
120
100
80
60
40
20

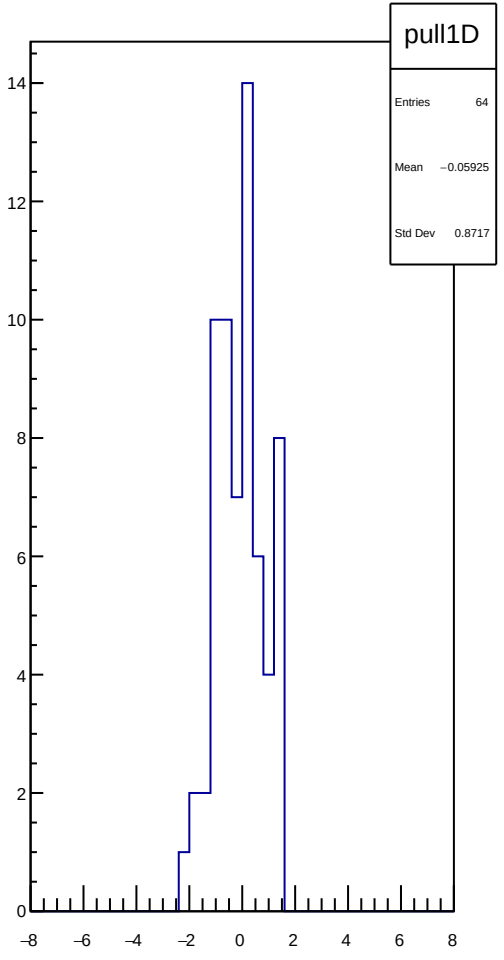
asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

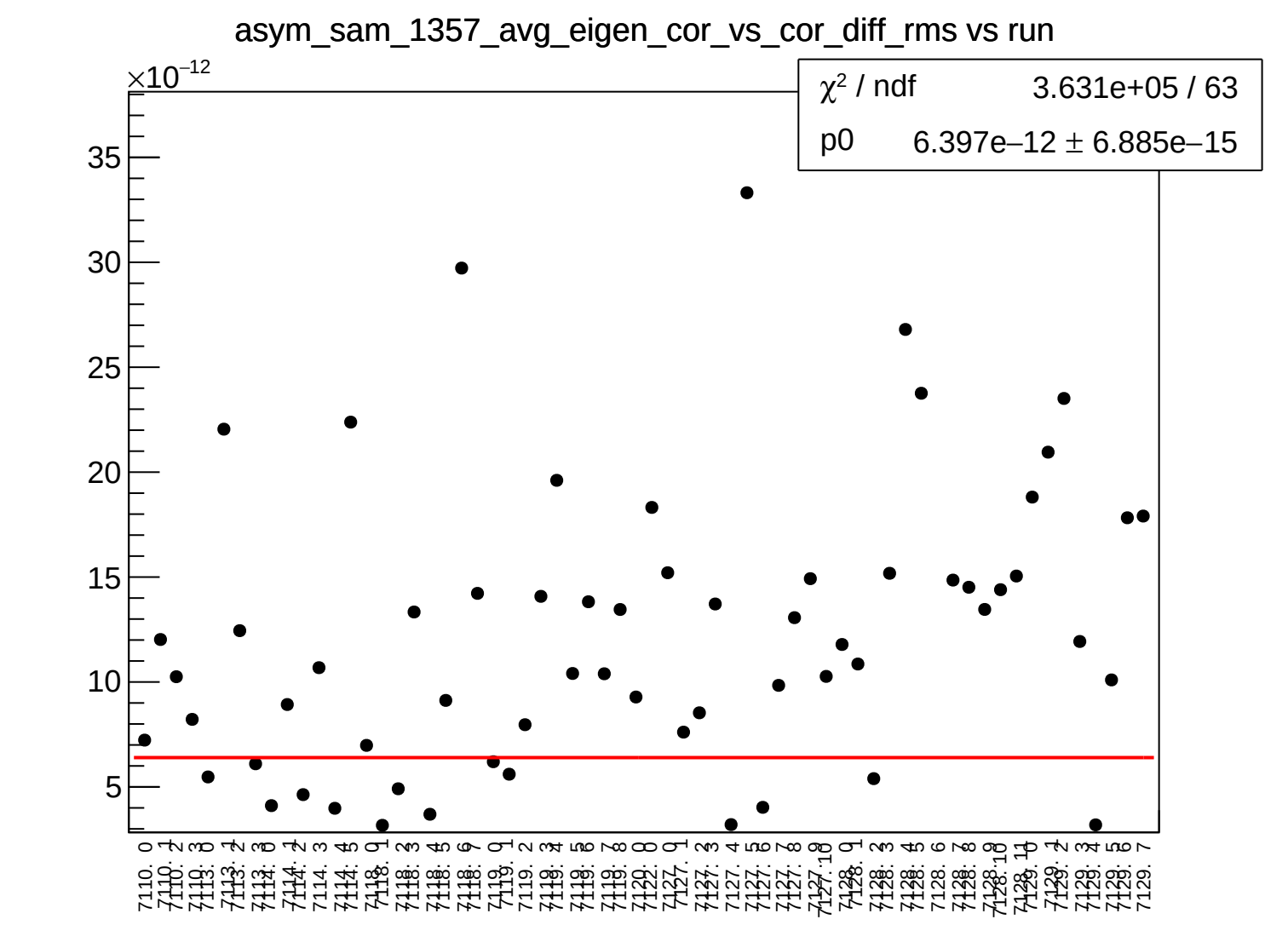


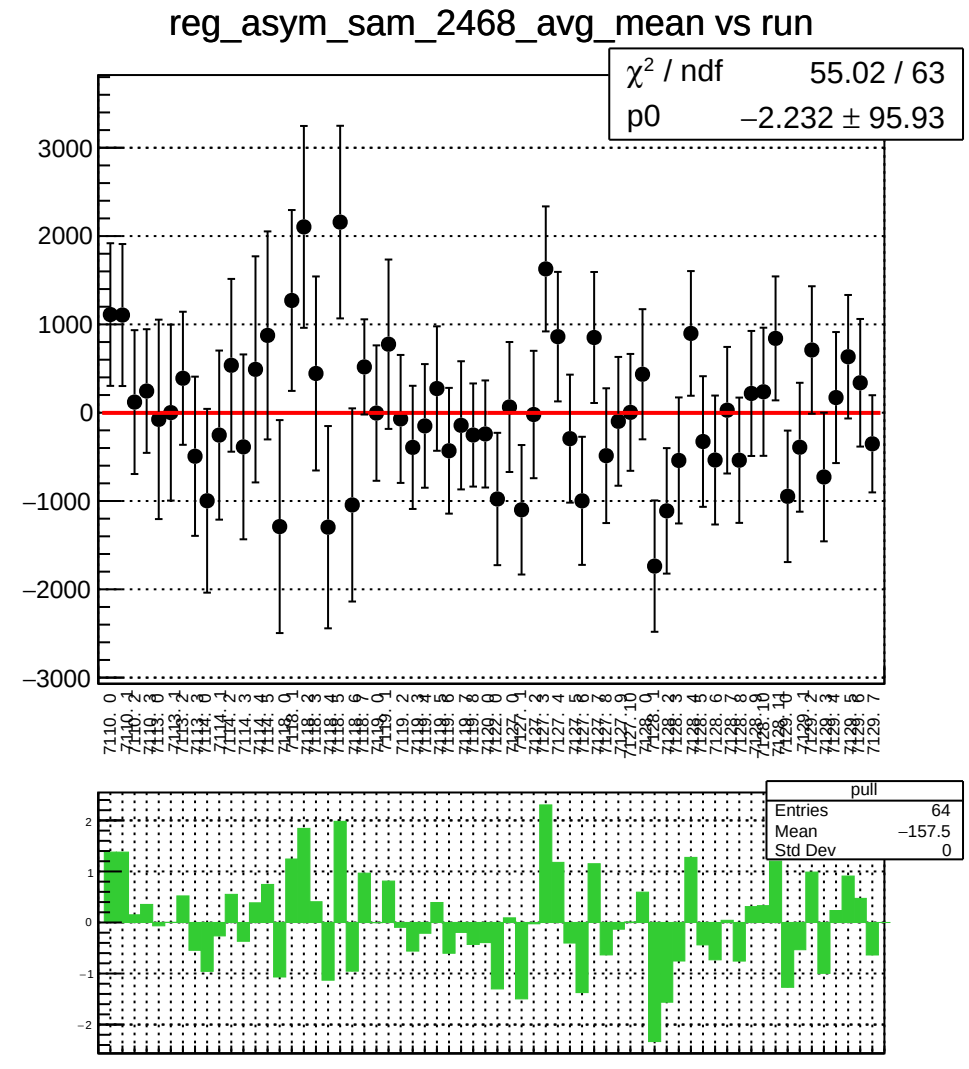


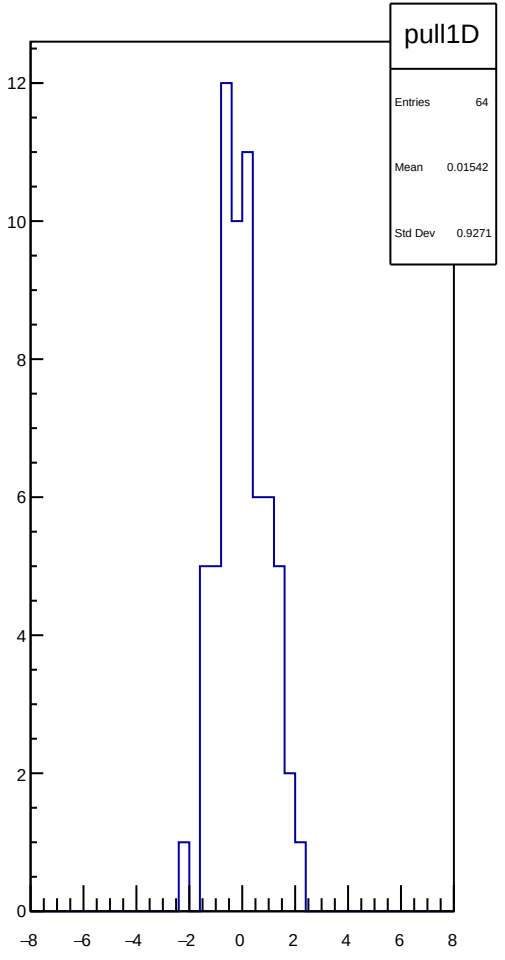

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.617e+05 / 63
p0 32.14 ± 0.03115
120
100
80
60
40
20

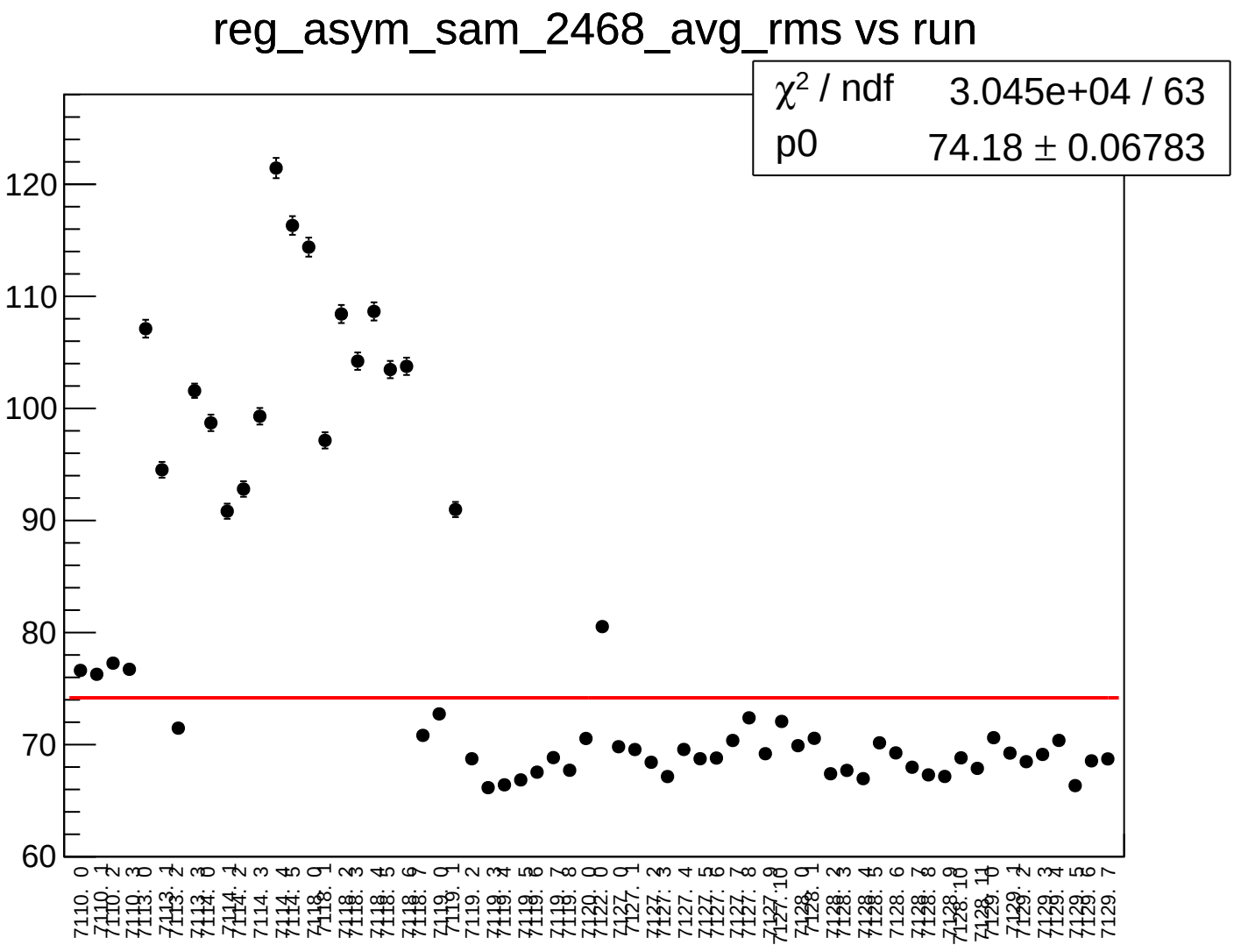

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.85 / 63
p0 −8.046e−15 ± 9.738e−15
pull
Entries 64
Mean 37.78
Std Dev 0

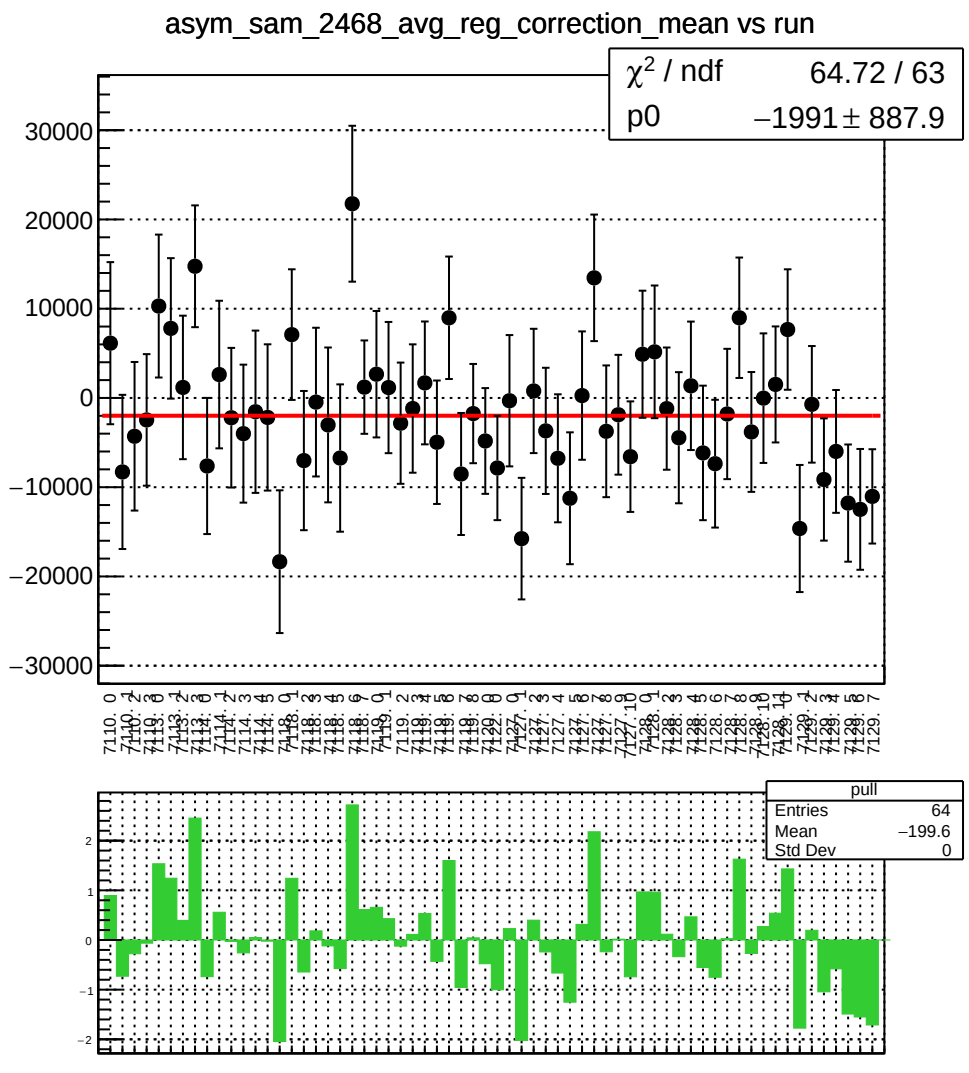

pull1D
Entries 64
Mean −0.05925
Std Dev 0.8717

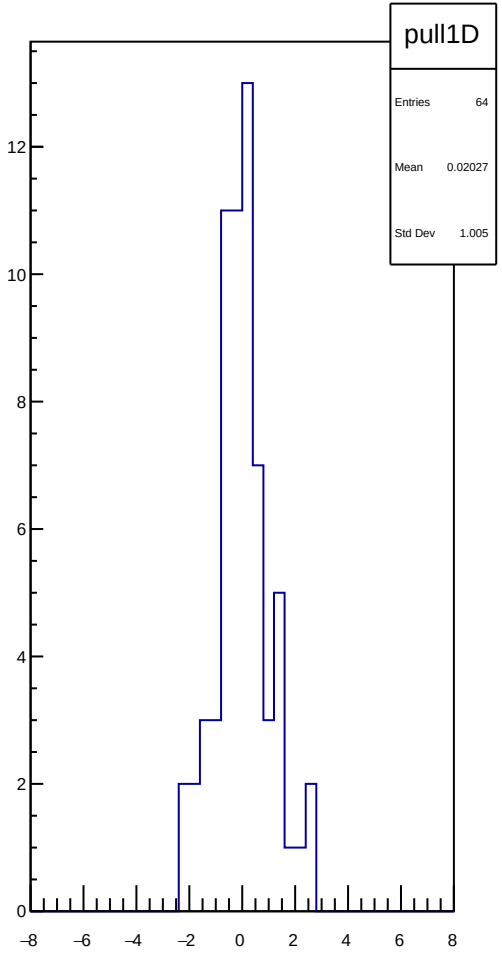

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.631e+05 / 63
p0 6.397e−12 ± 6.885e−15
35
30
25
20
15
10
5

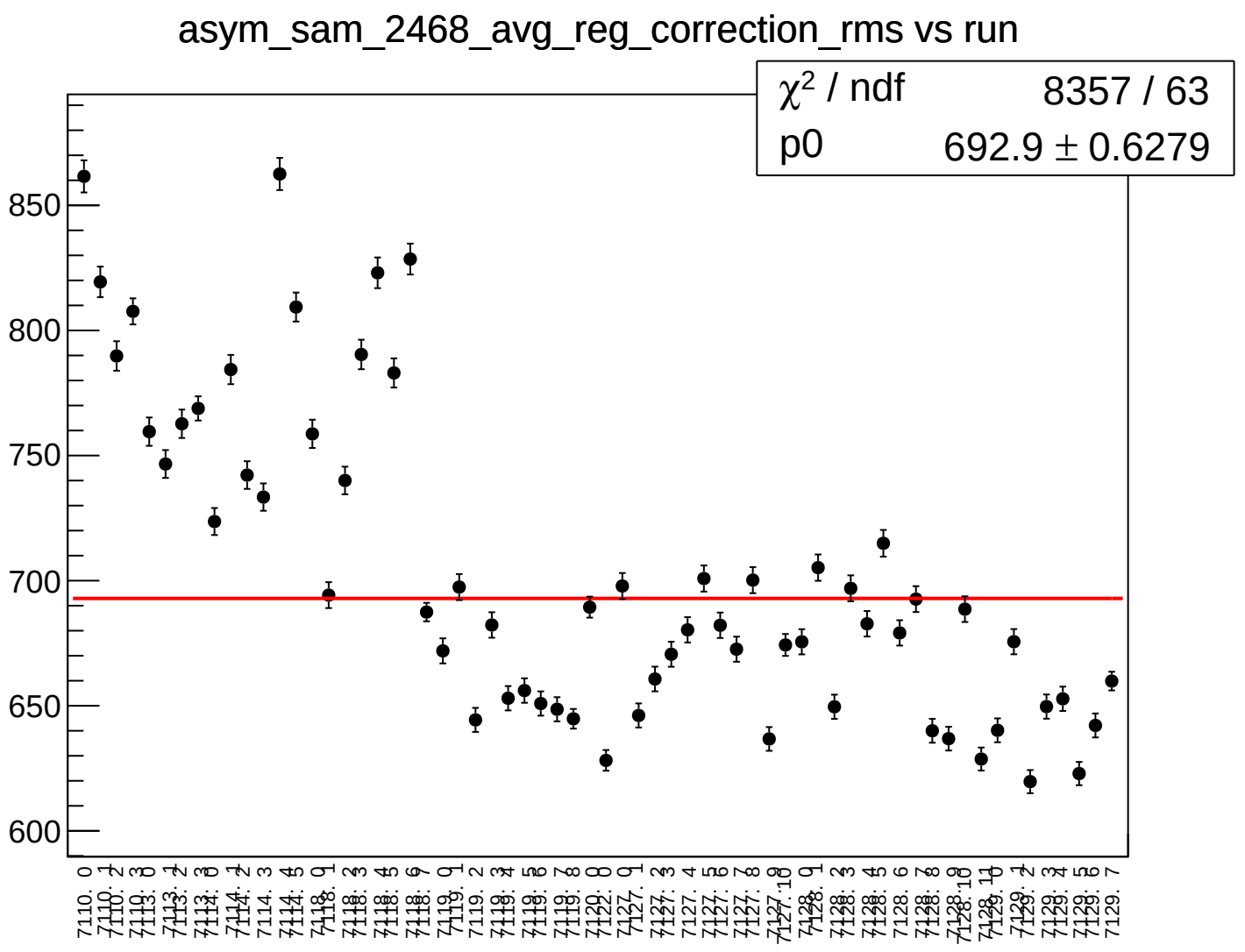

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 55.02 / 63
p0 −2.232 ± 95.93
pull
Entries 64
Mean −157.5
Std Dev 0

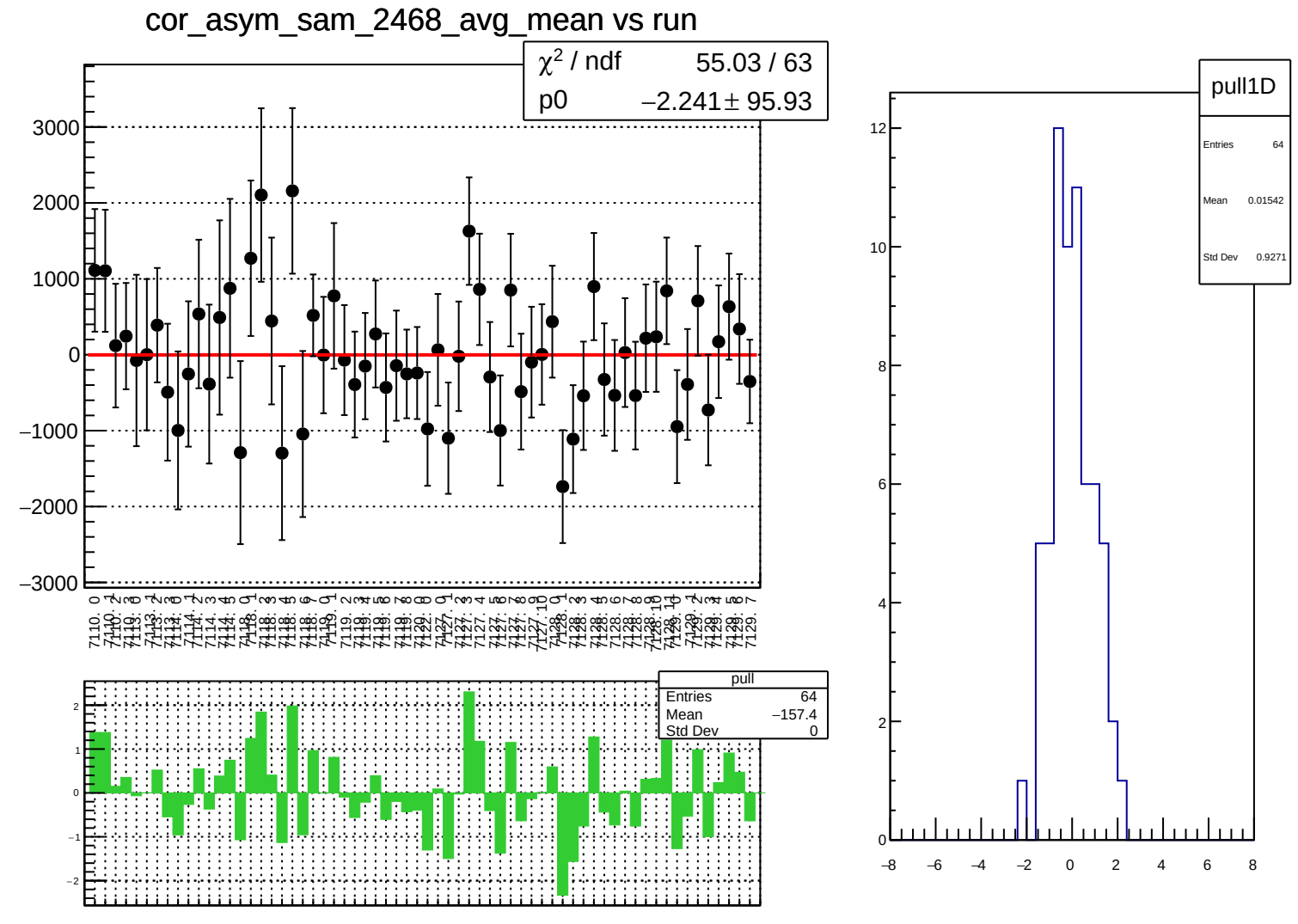

pull1D
Entries 64
Mean 0.01542
Std Dev 0.9271

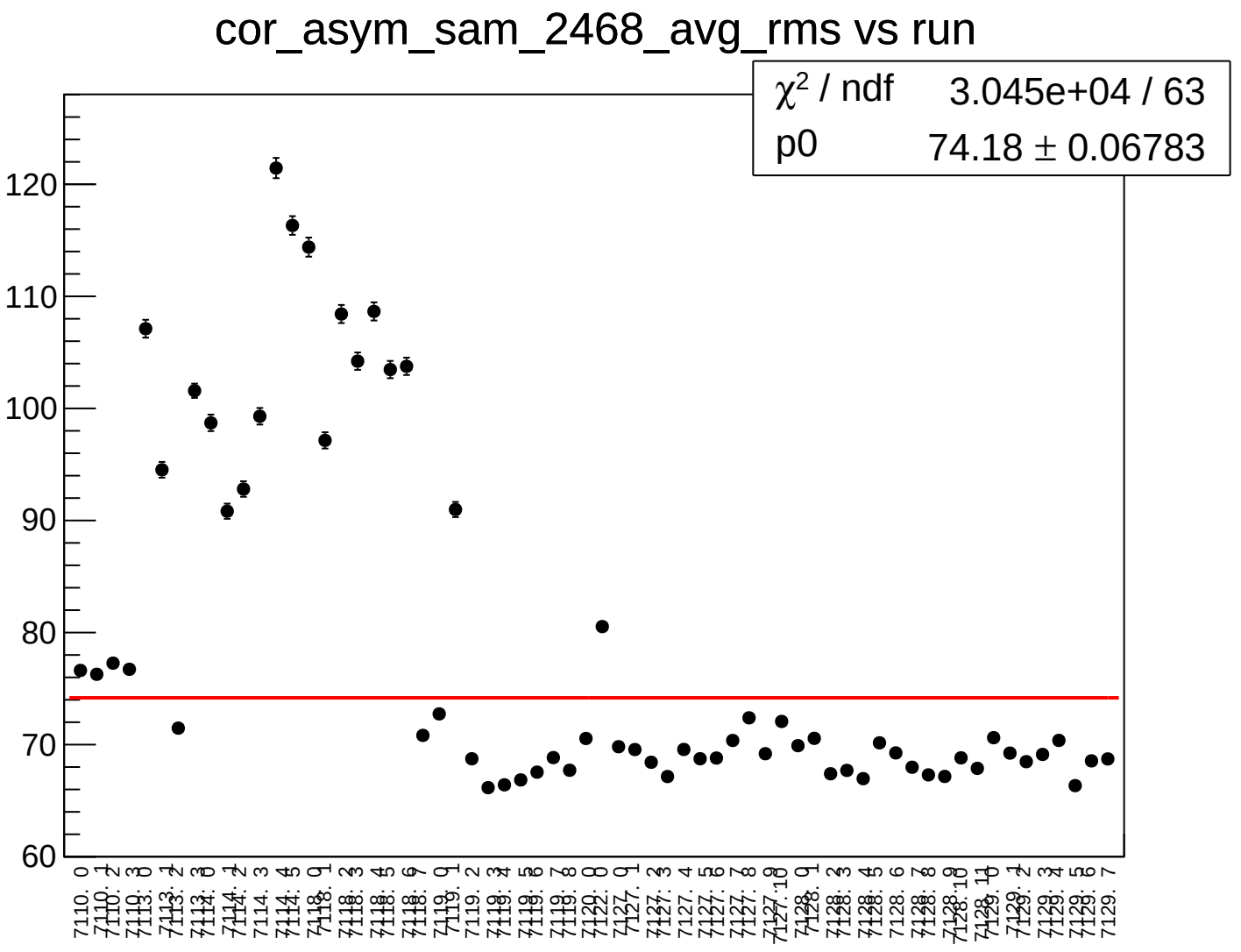

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.045e+04 / 63
p0 74.18 ± 0.06783
120
110
100
90
80
70
60

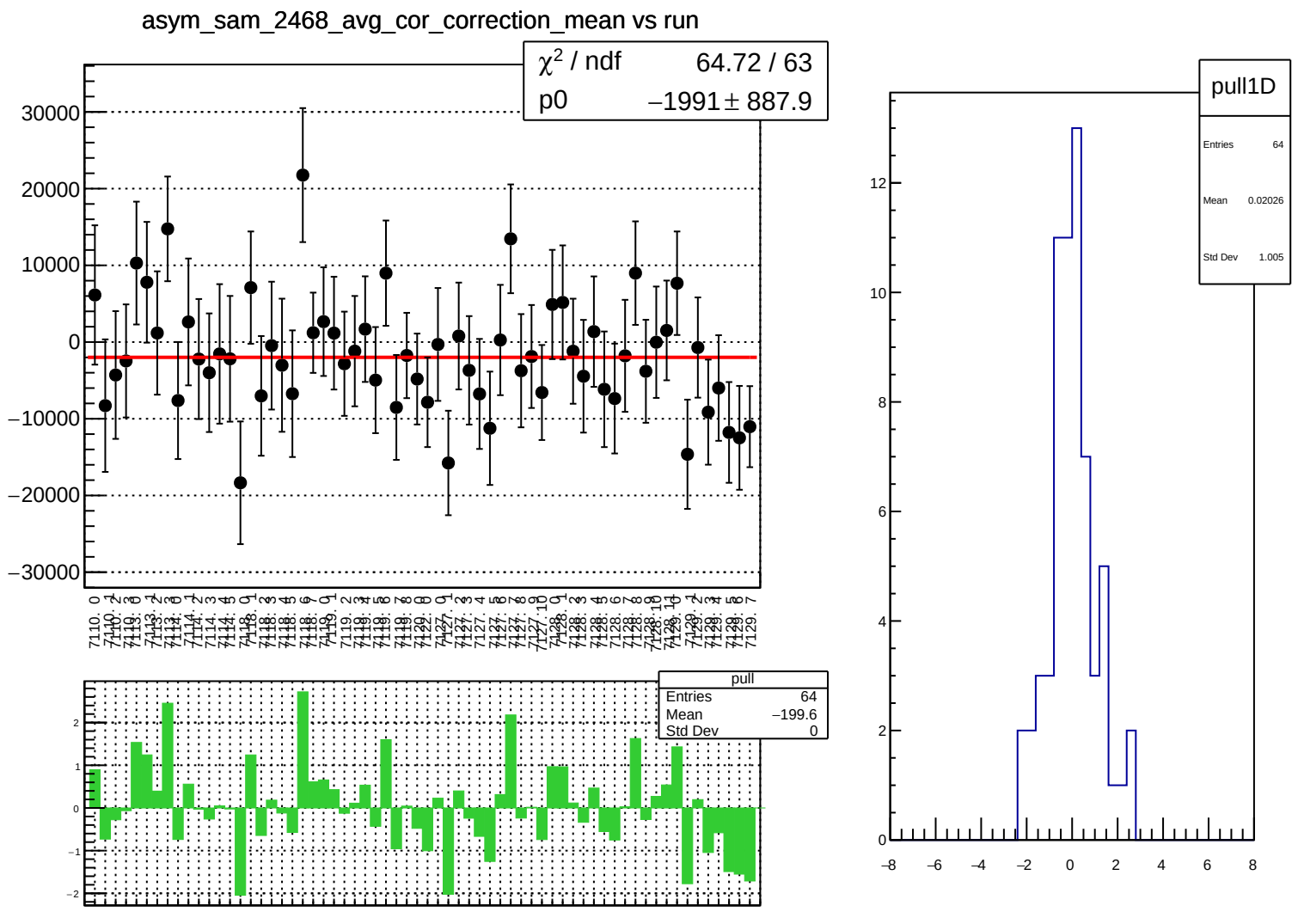

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 64.72 / 63
p0 −1991 ± 887.9
pull
Entries 64
Mean −199.6
Std Dev 0

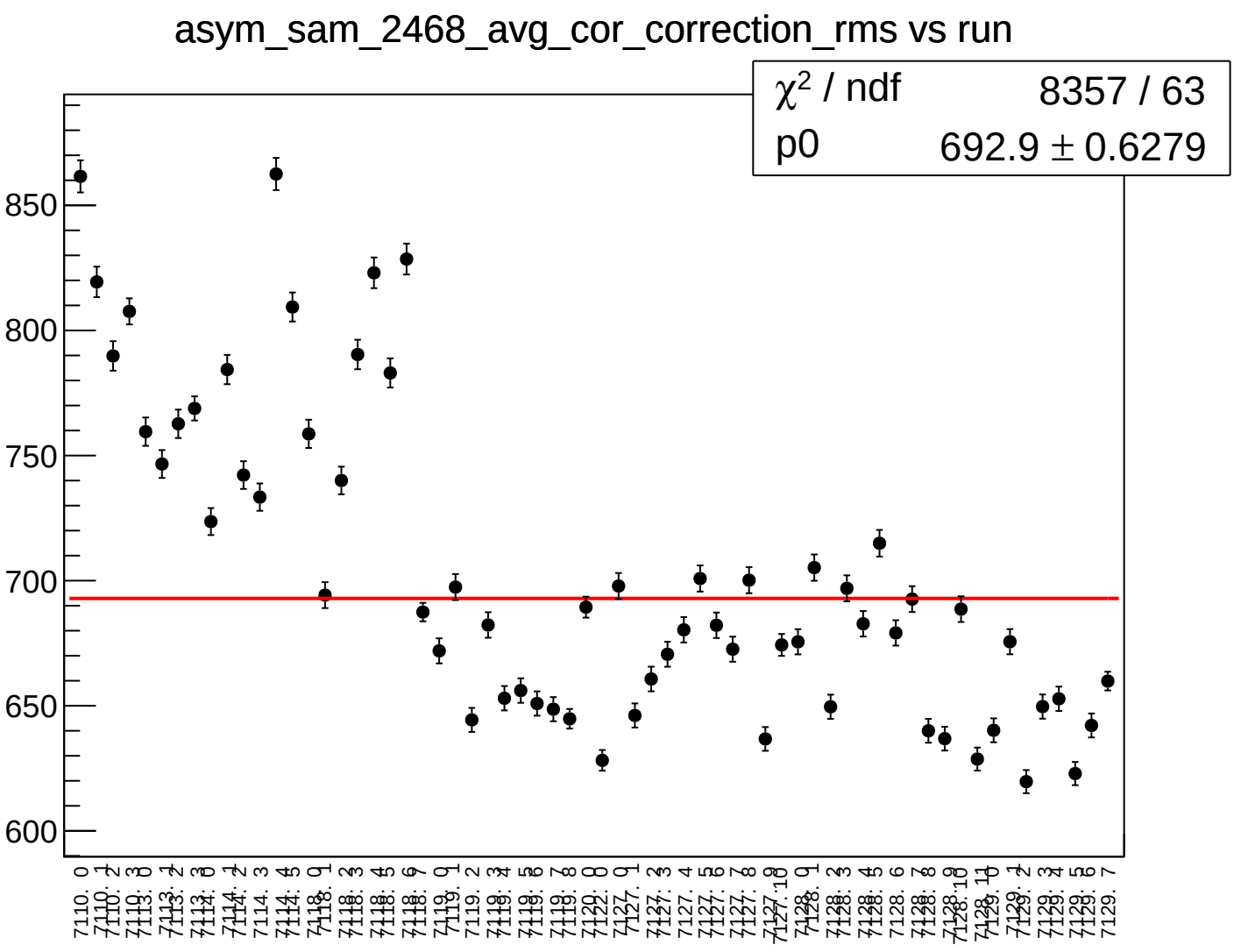

pull1D
Entries 64
Mean 0.02027
Std Dev 1.005

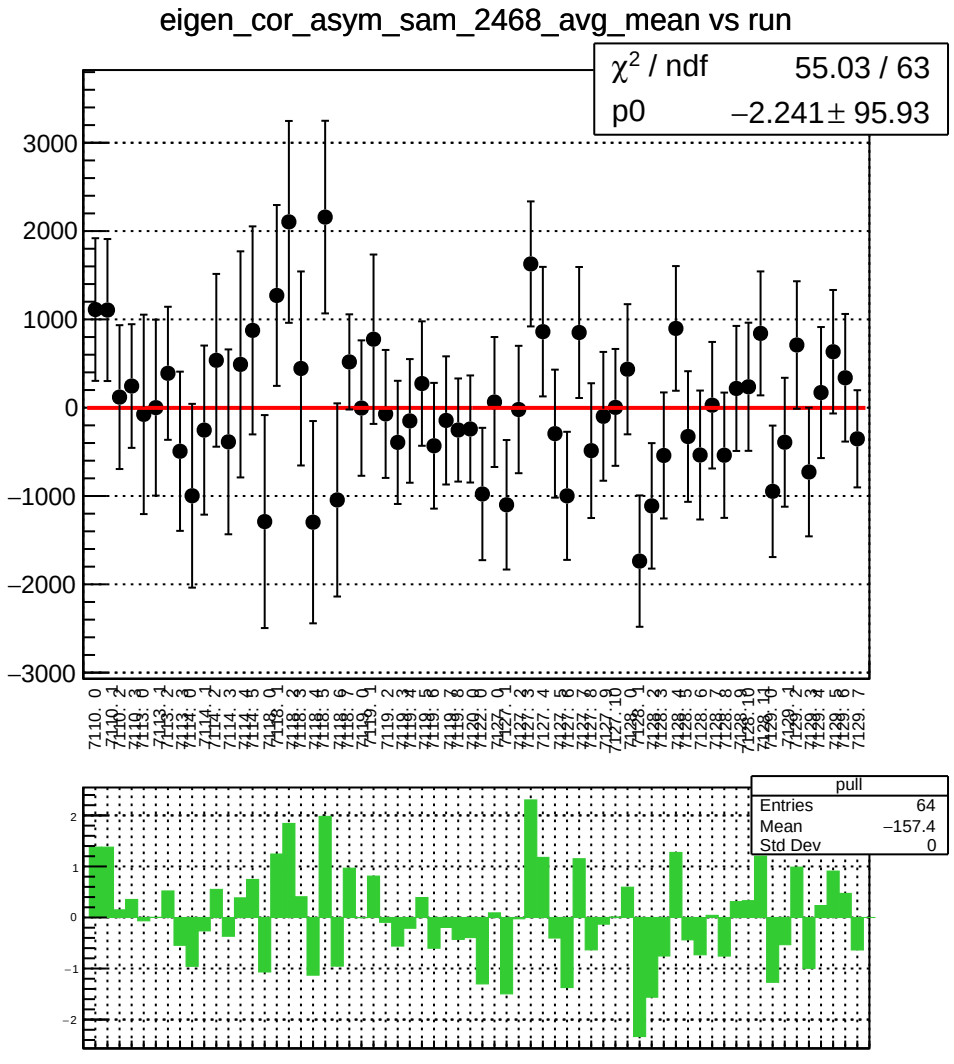

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 8357 / 63
p0 692.9 ± 0.6279
850
800
750
700
650
600

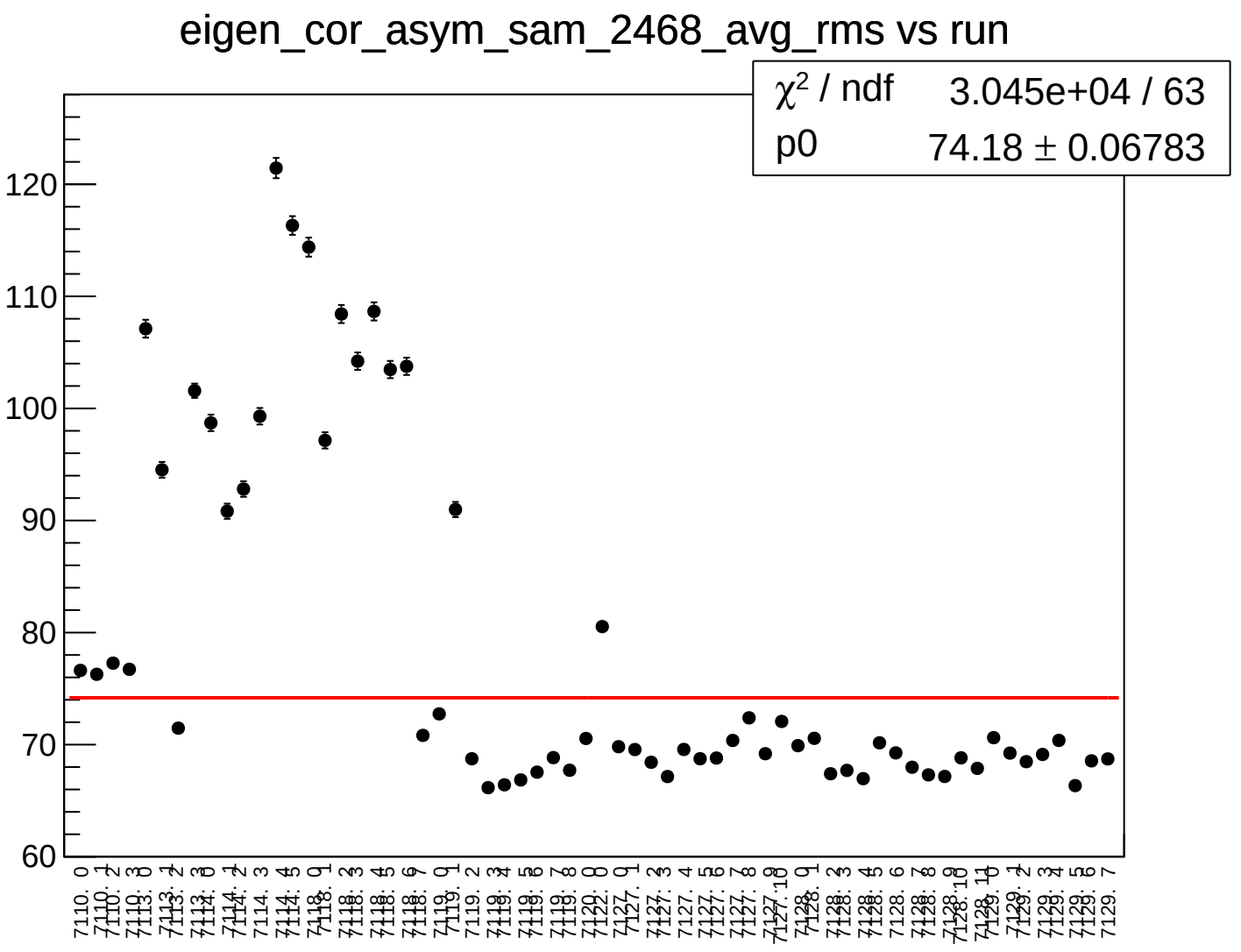

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 55.03 / 63
p0 −2.241± 95.93
pull
Entries 64
Mean −157.4
Std Dev 0
pull1D
Entries 64
Mean 0.01542
Std Dev 0.9271

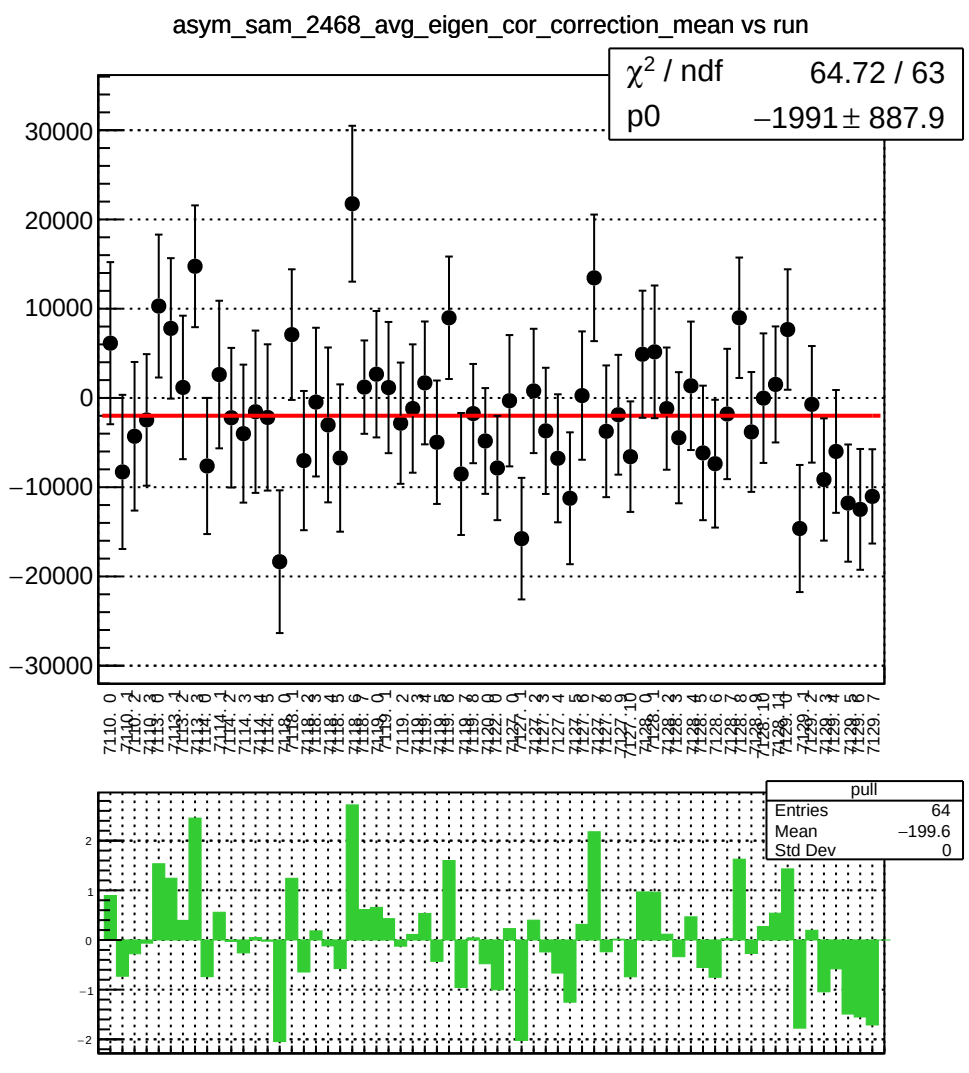

cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.045e+04 / 63
p0 74.18 ± 0.06783
120
110
100
90
80
70
60

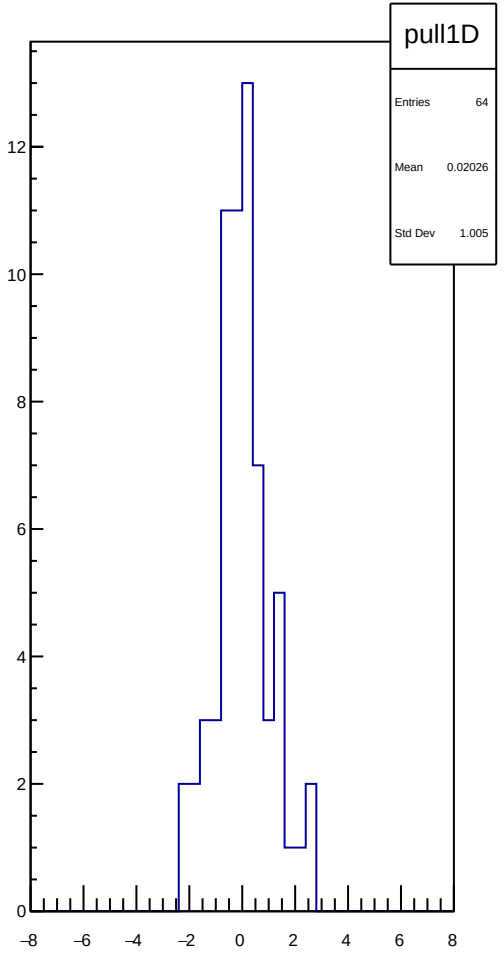

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 64.72 / 63
p0 −1991 ± 887.9
pull
Entries 64
Mean −199.6
Std Dev 0
pull1D
Entries 64
Mean 0.02026
Std Dev 1.005

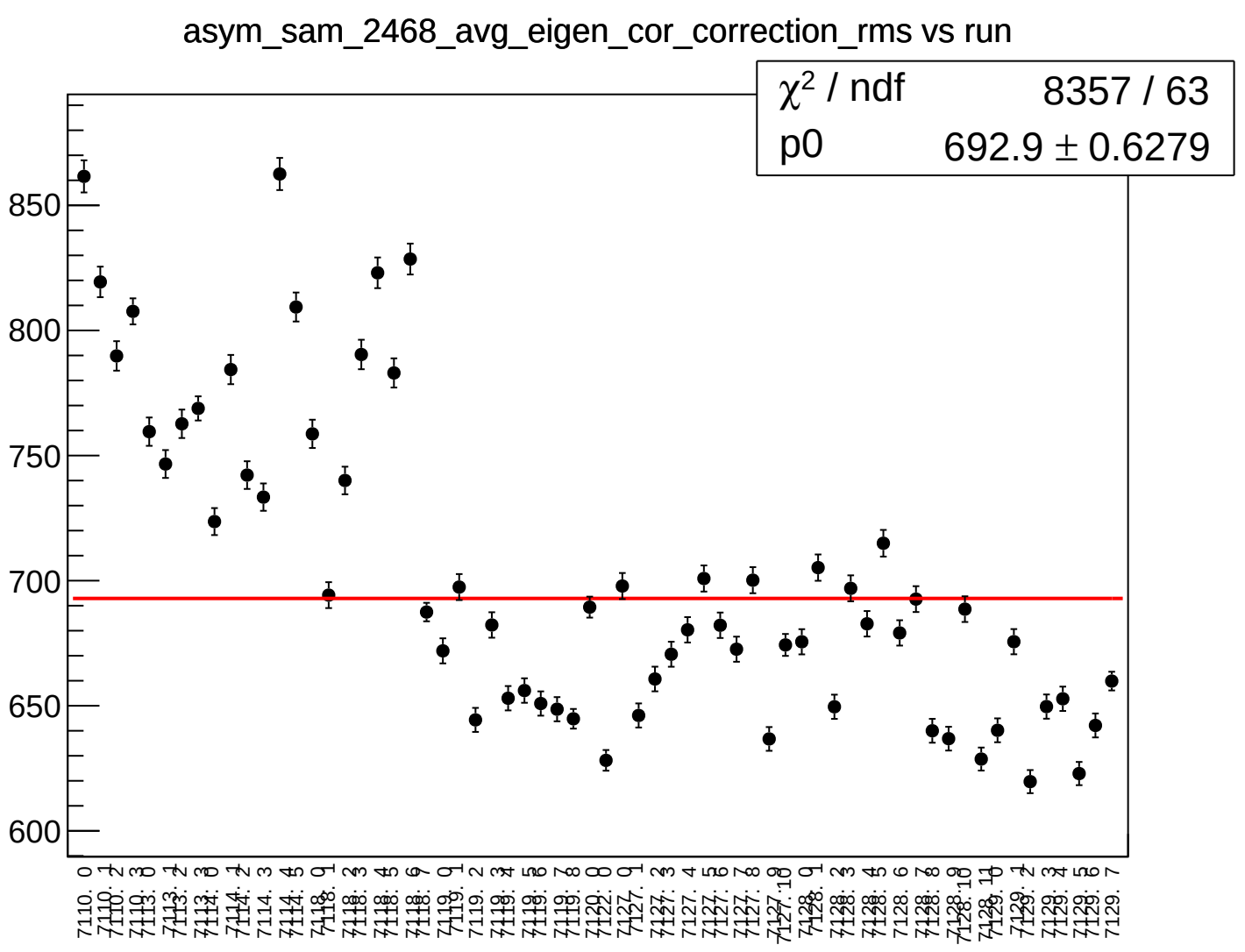

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 8357 / 63
p0 692.9 ± 0.6279
850
800
750
700
650
600

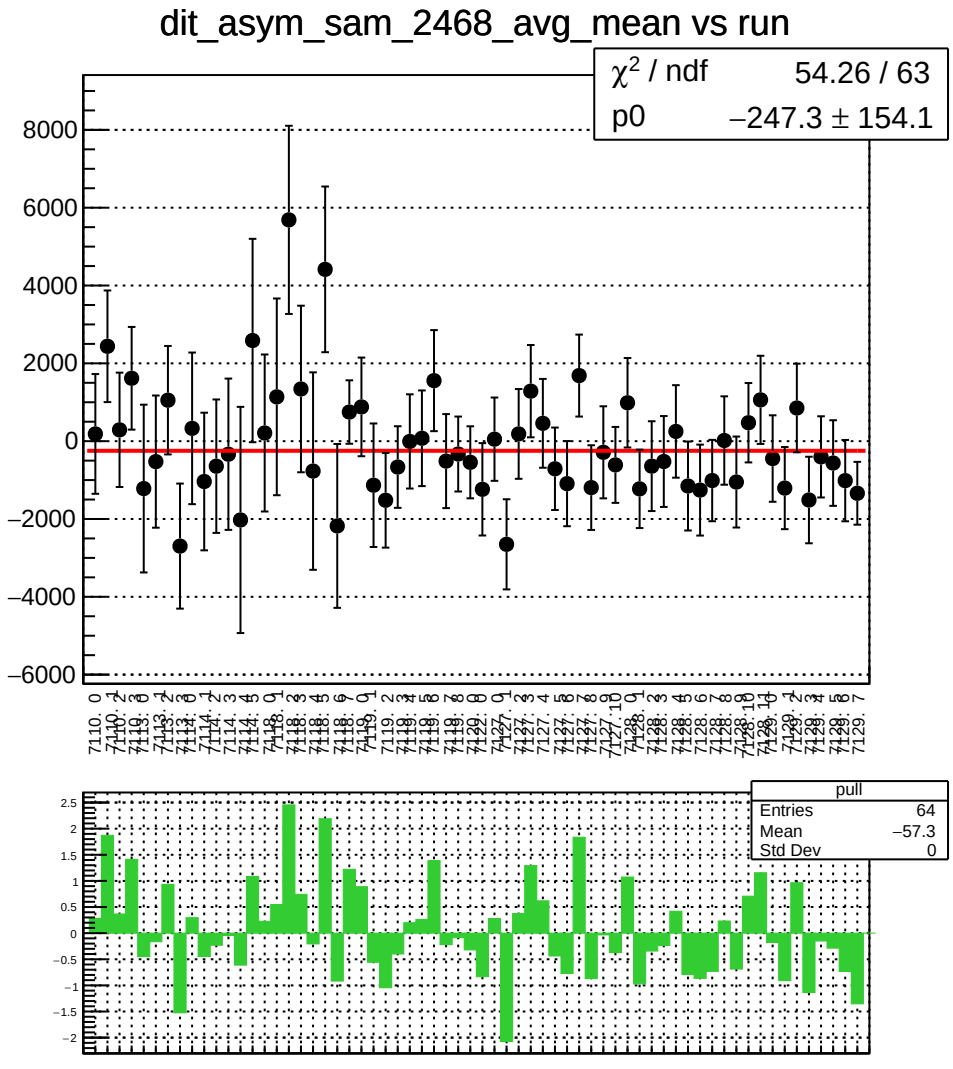

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 55.03 / 63
p0 −2.241 ± 95.93
pull
Entries 64
Mean −157.4
Std Dev 0
pull1D
Entries 64
Mean 0.01542
Std Dev 0.9271

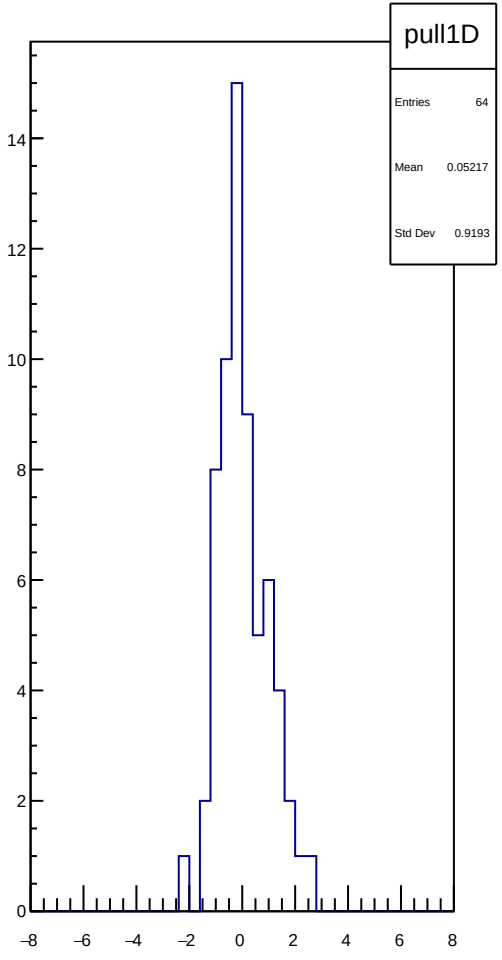

eigen_cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.045e+04 / 63
p0 74.18 ± 0.06783
120
110
100
90
80
70
60

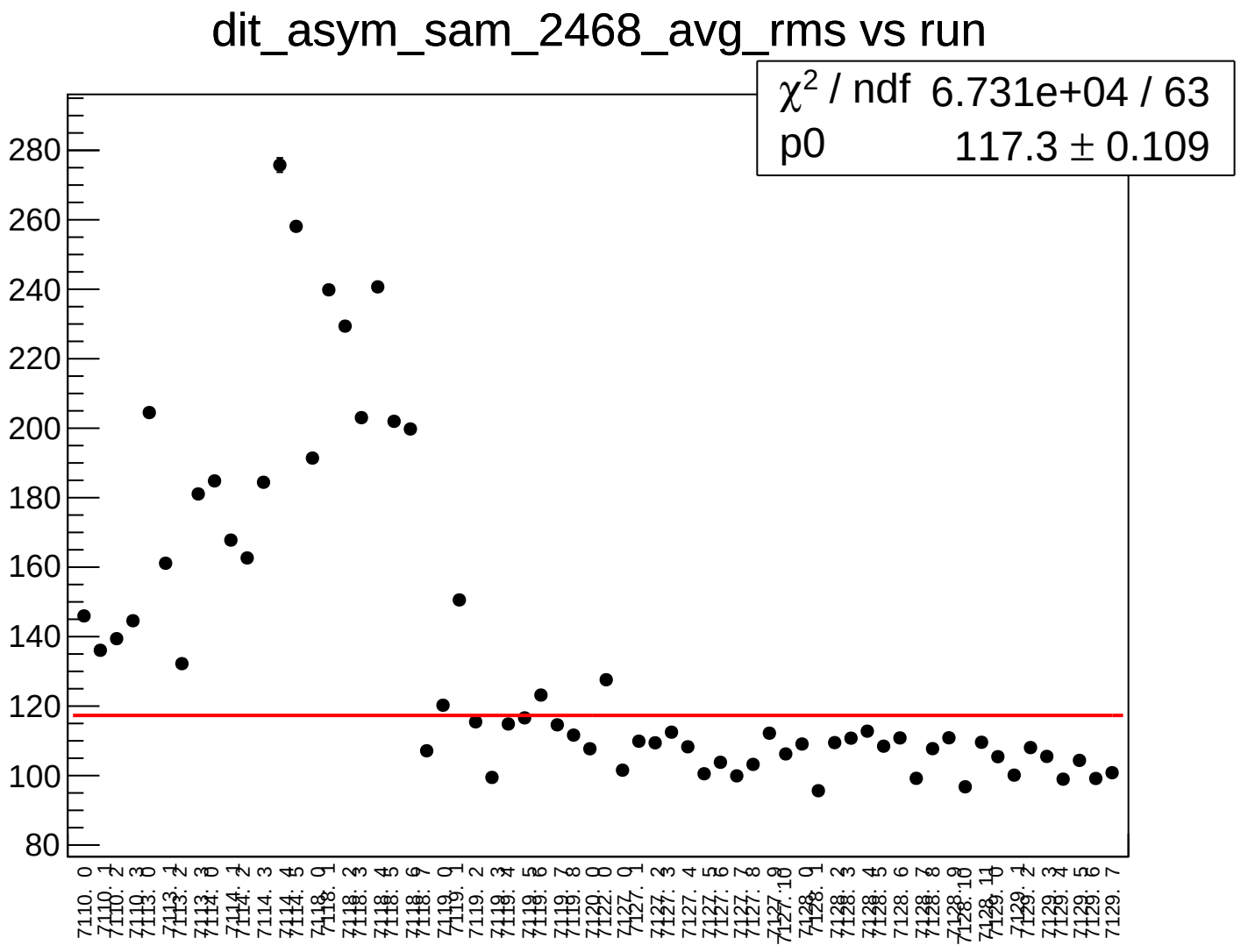

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.72 / 63
p0 −1991 ± 887.9
pull
Entries 64
Mean −199.6
Std Dev 0

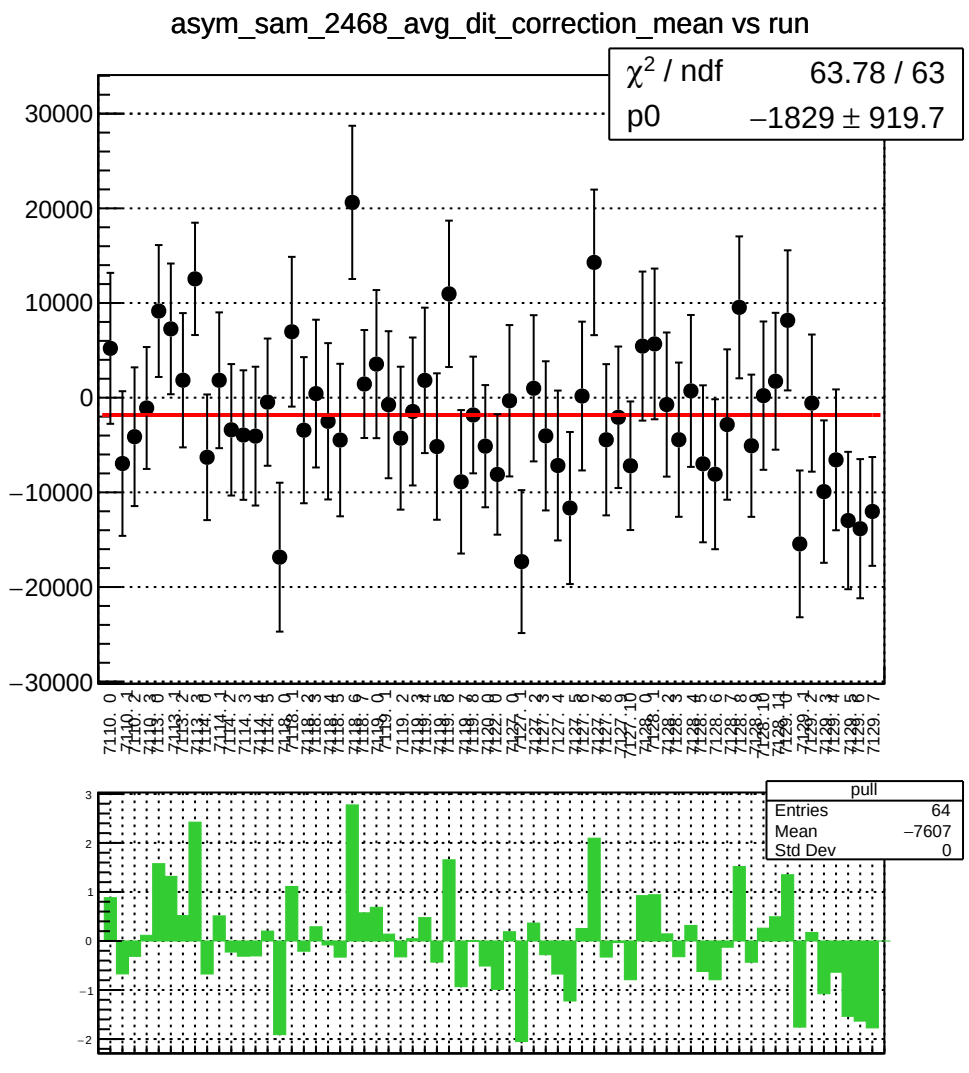

pull1D
Entries 64
Mean 0.02026
Std Dev 1.005

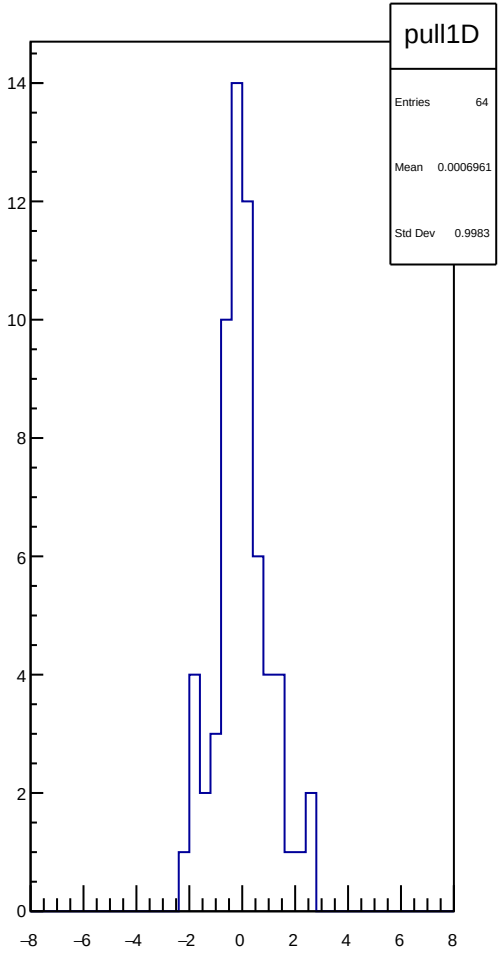

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 8357 / 63
p0 692.9 ± 0.6279
850
800
750
700
650
600

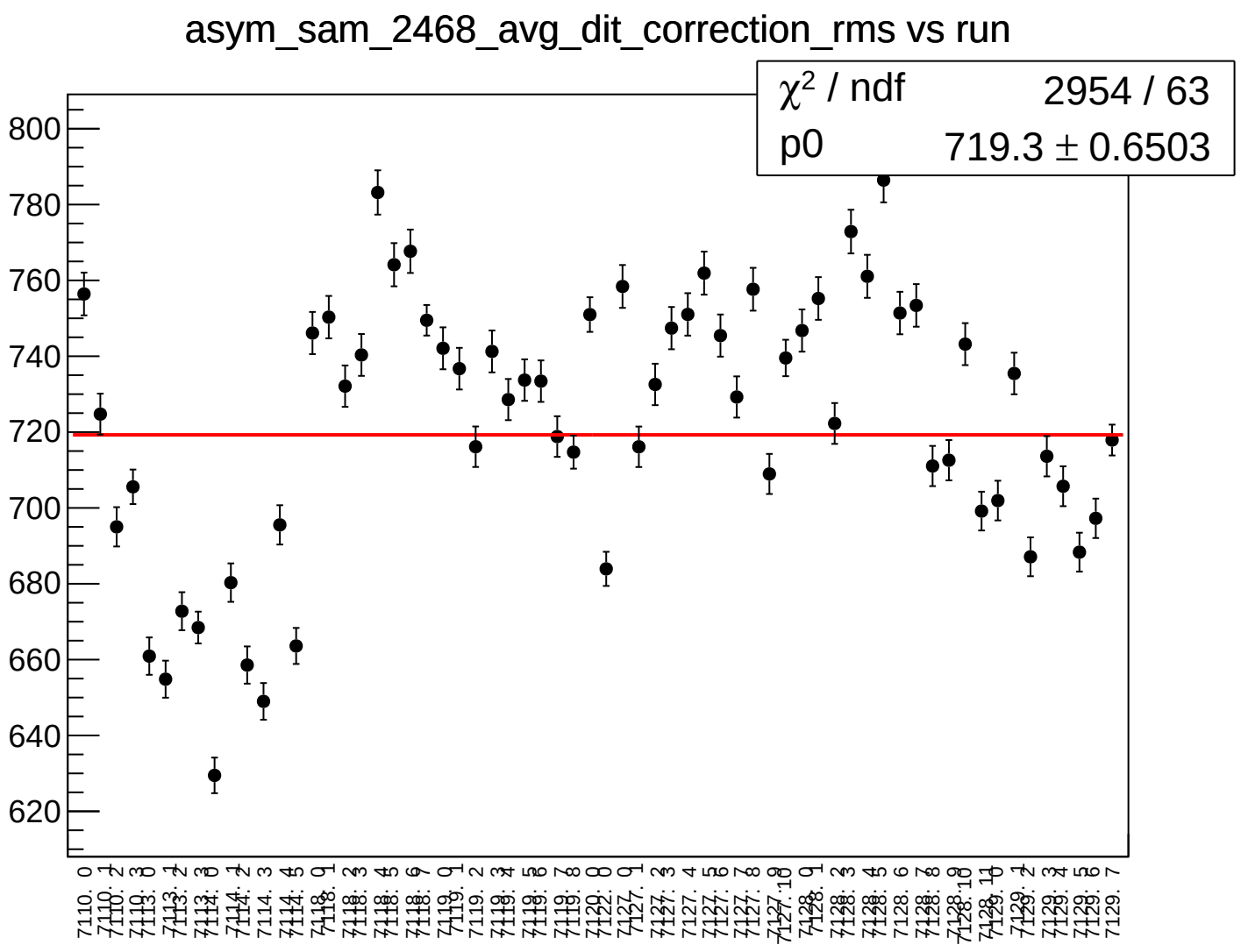

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 54.26 / 63
p0 −247.3 ± 154.1
pull
Entries 64
Mean −57.3
Std Dev 0

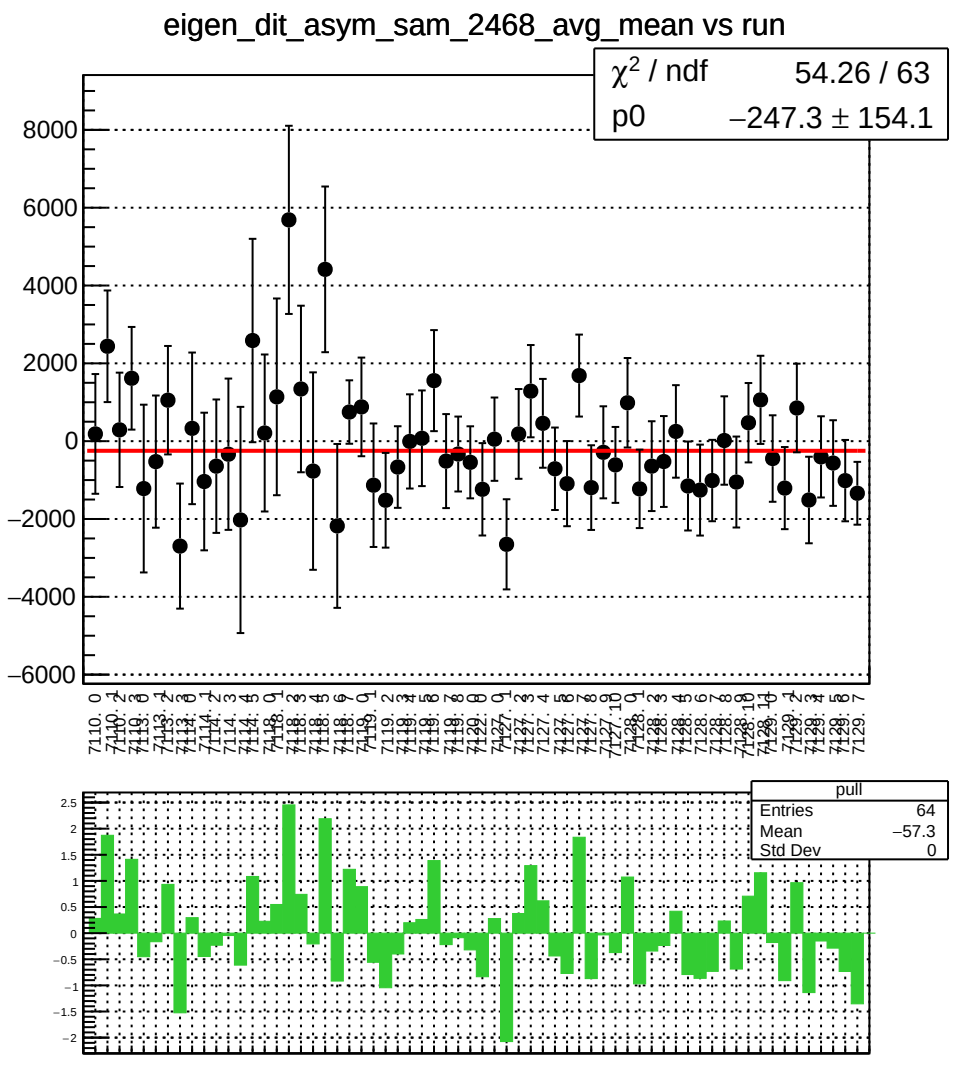

pull1D
Entries 64
Mean 0.05217
Std Dev 0.9193

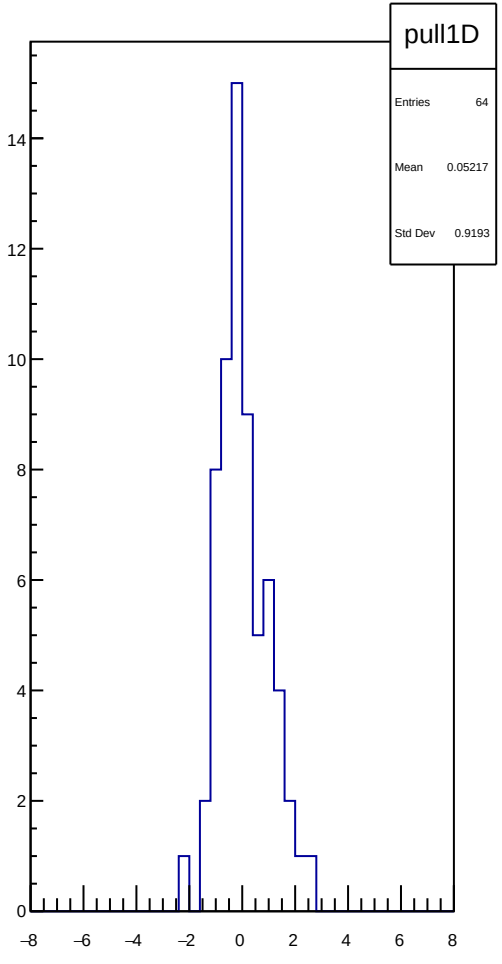

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 6.731e+04 / 63
p0 117.3 ± 0.109
280
260
240
220
200
180
160
140
120
100
80

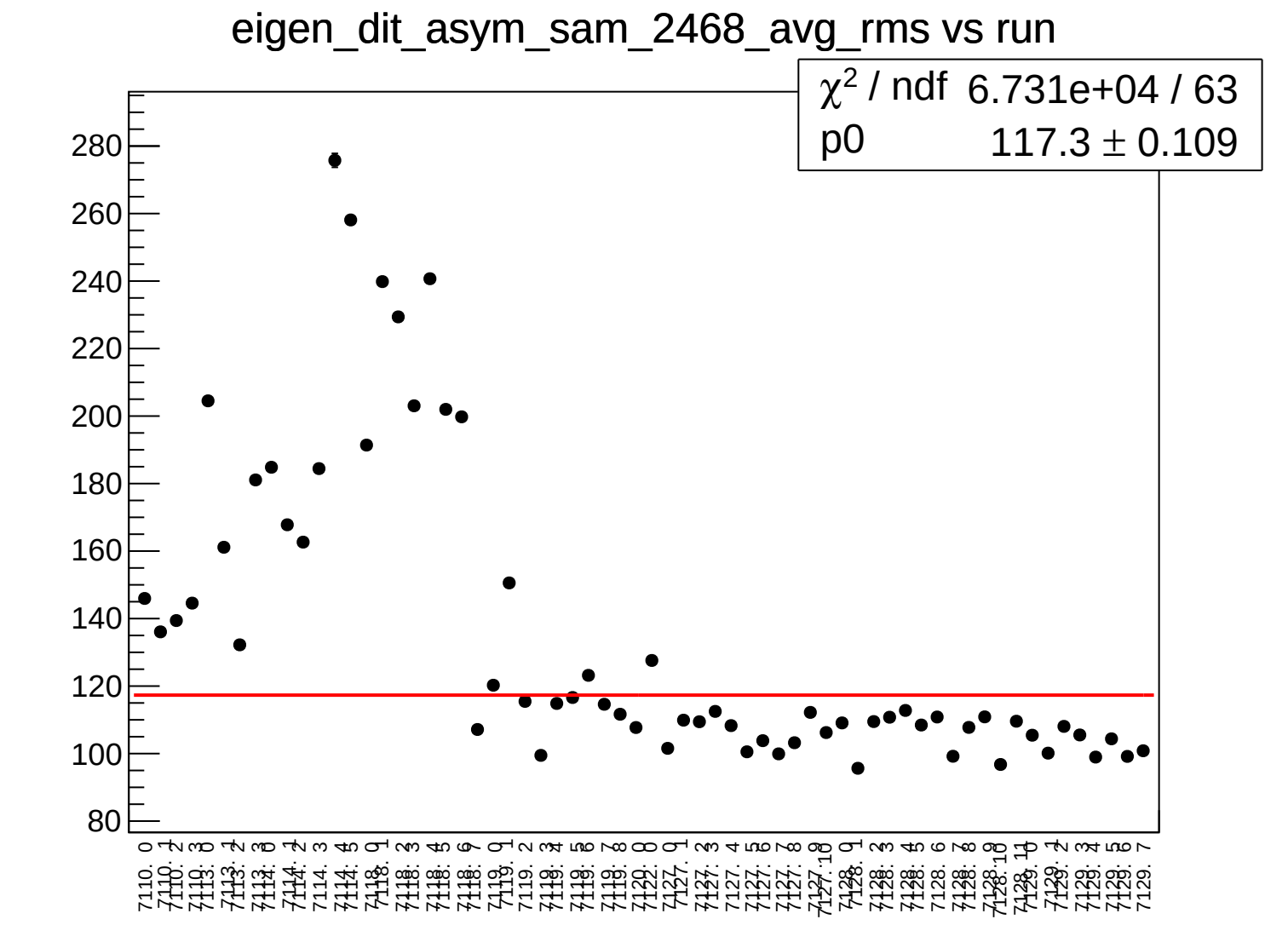

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 63.78 / 63
p0 −1829 ± 919.7
pull
Entries 64
Mean −7607
Std Dev 0

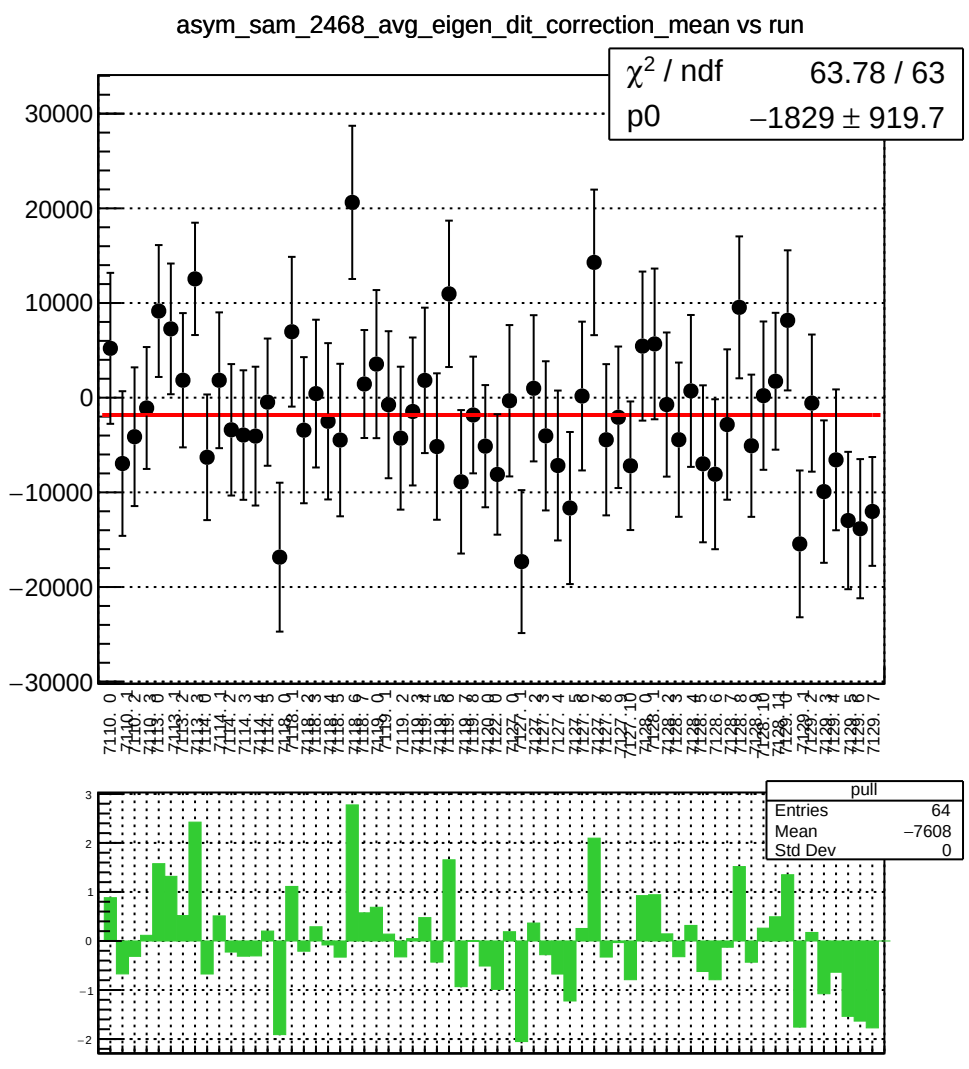

pull1D
Entries 64
Mean 0.0006961
Std Dev 0.9983

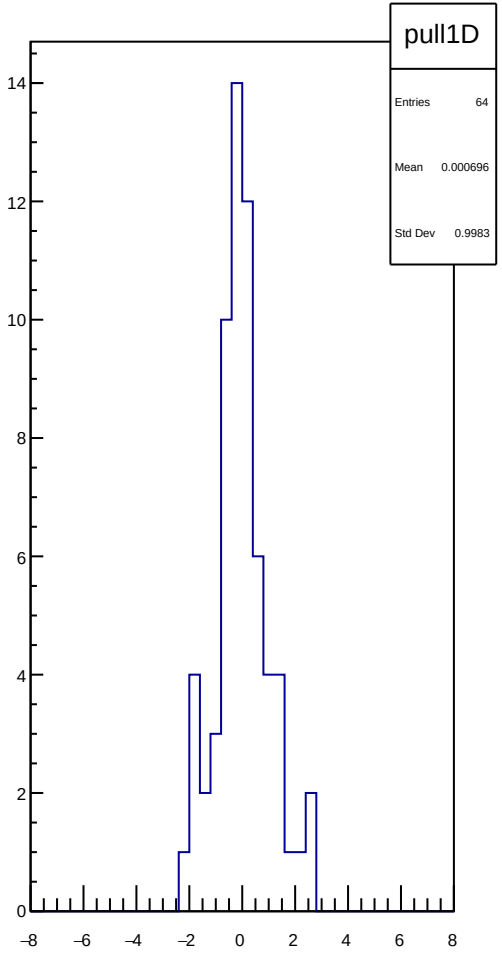

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 2954 / 63
p0 719.3 ± 0.6503
800
780
760
740
720
700
680
660
640
620

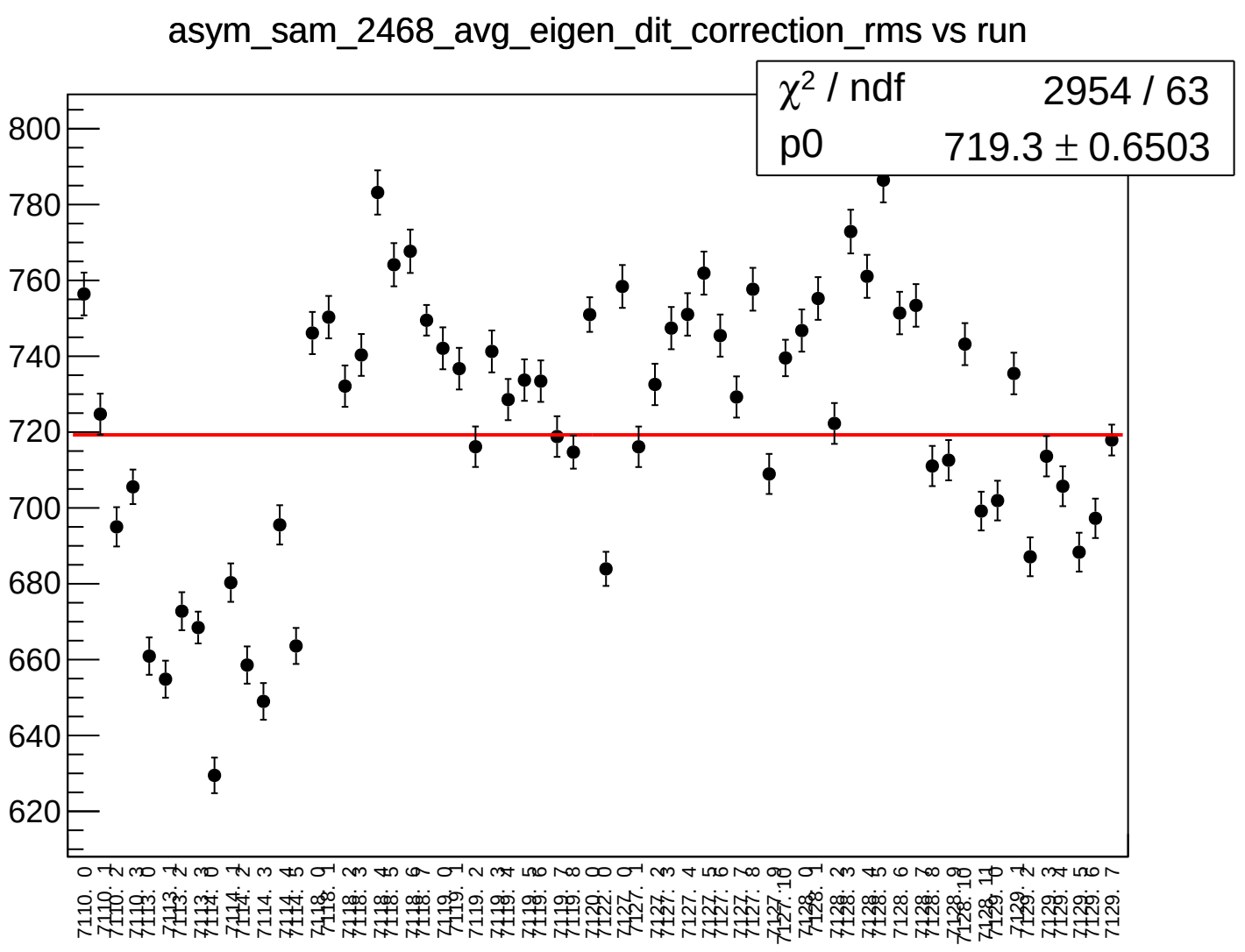

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 54.26 / 63
p0 −247.3 ± 154.1
pull
Entries 64
Mean −57.3
Std Dev 0

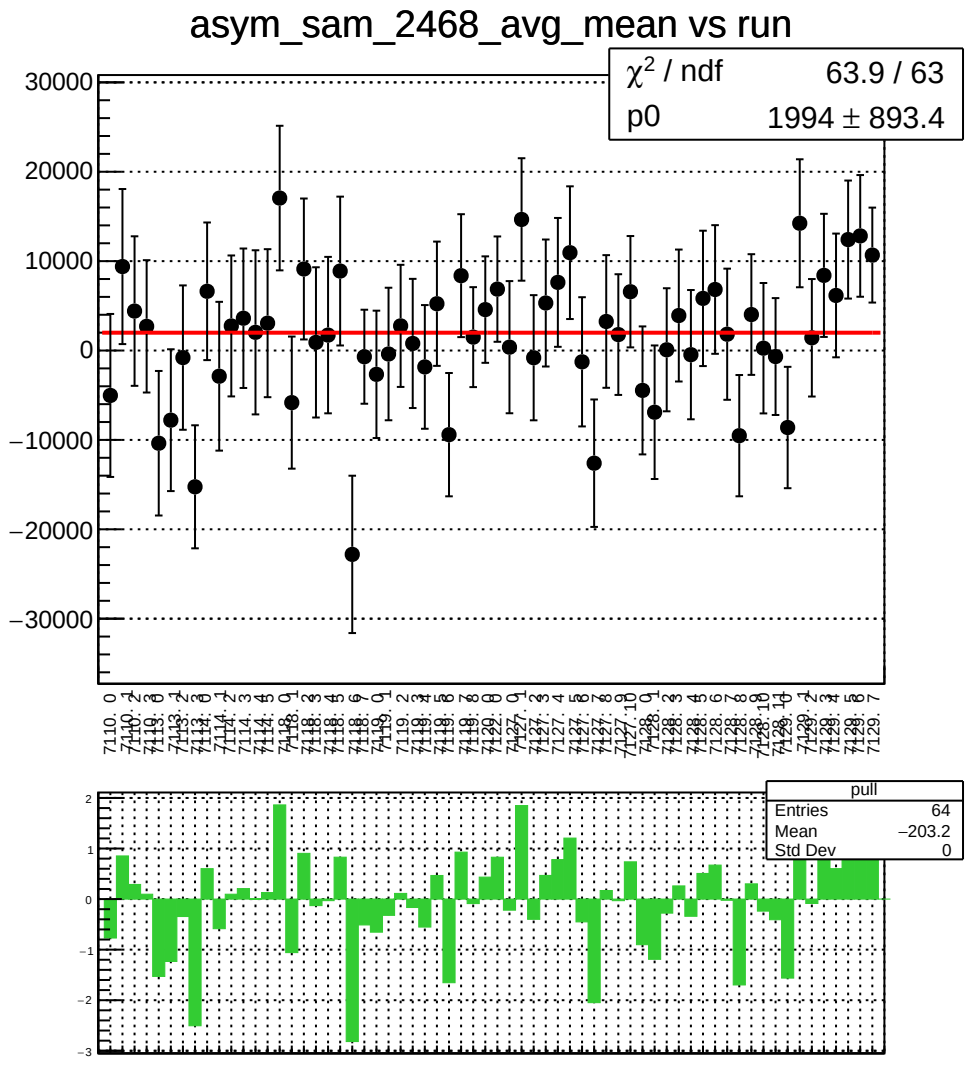

pull1D
Entries 64
Mean 0.05217
Std Dev 0.9193

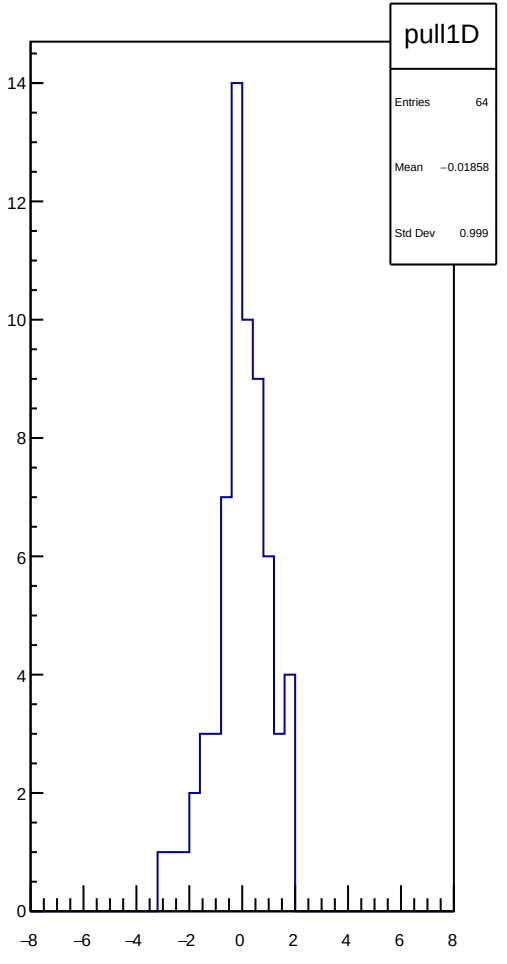

eigen_dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 6.731e+04 / 63
p0 117.3 ± 0.109
280
260
240
220
200
180
160
140
120
100
80

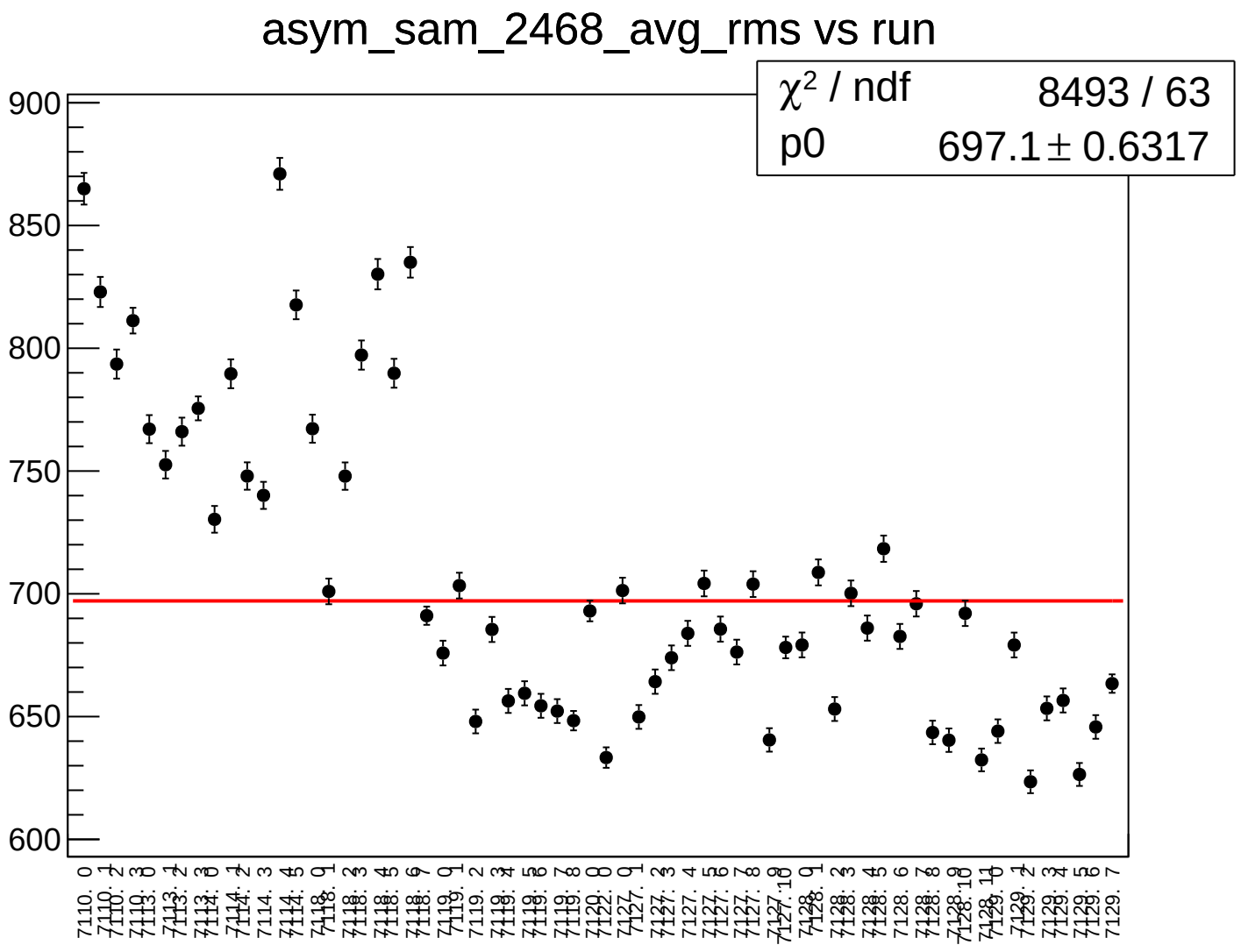

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.78 / 63
p0 −1829 ± 919.7
pull
Entries 64
Mean −7608
Std Dev 0

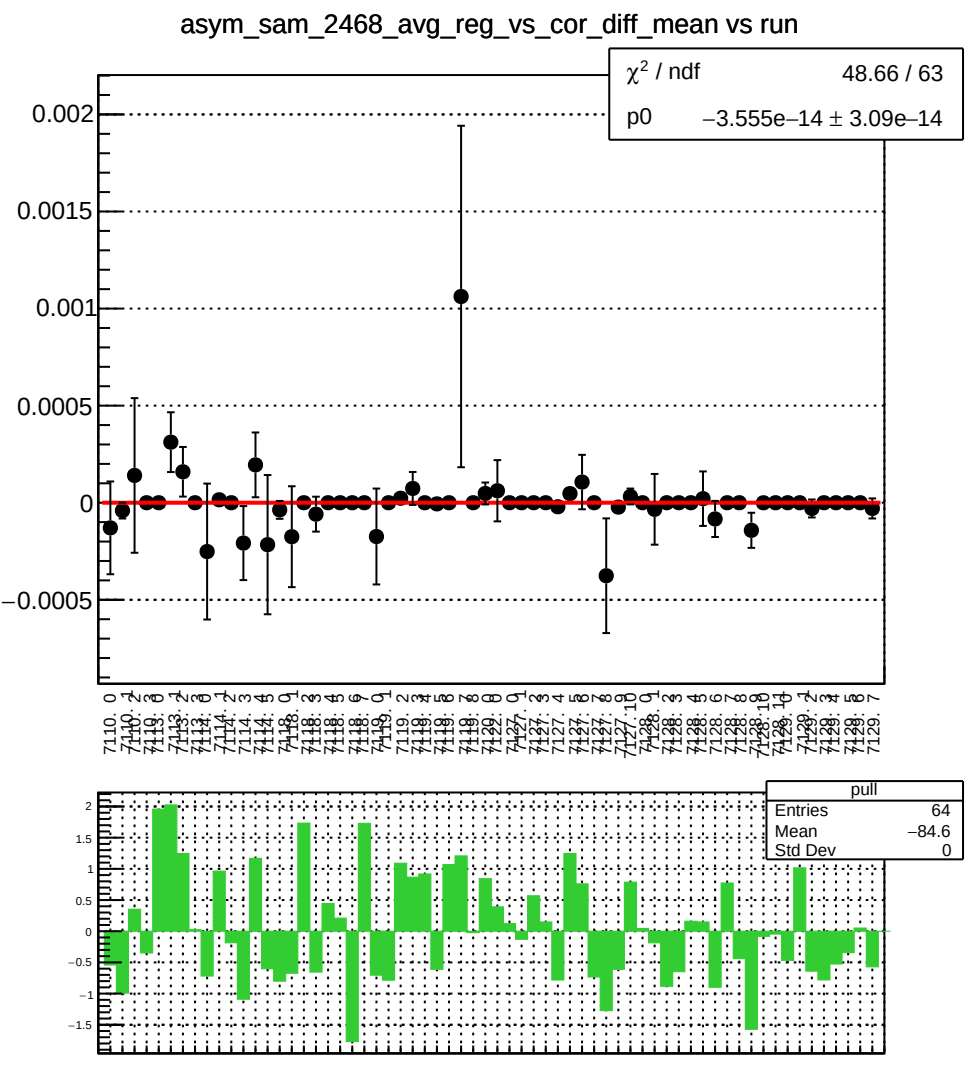

pull1D
Entries 64
Mean 0.000696
Std Dev 0.9983

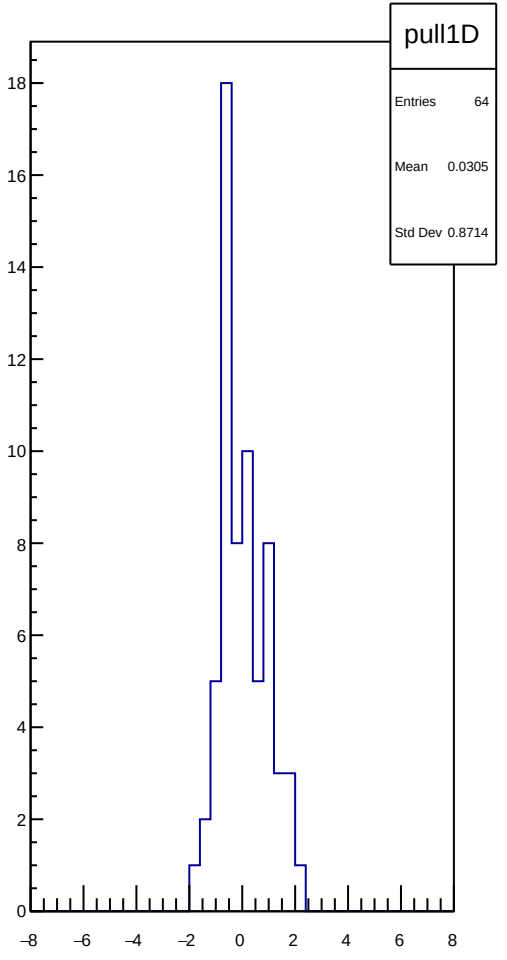

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2954 / 63
p0 719.3 ± 0.6503
800
780
760
740
720
700
680
660
640
620

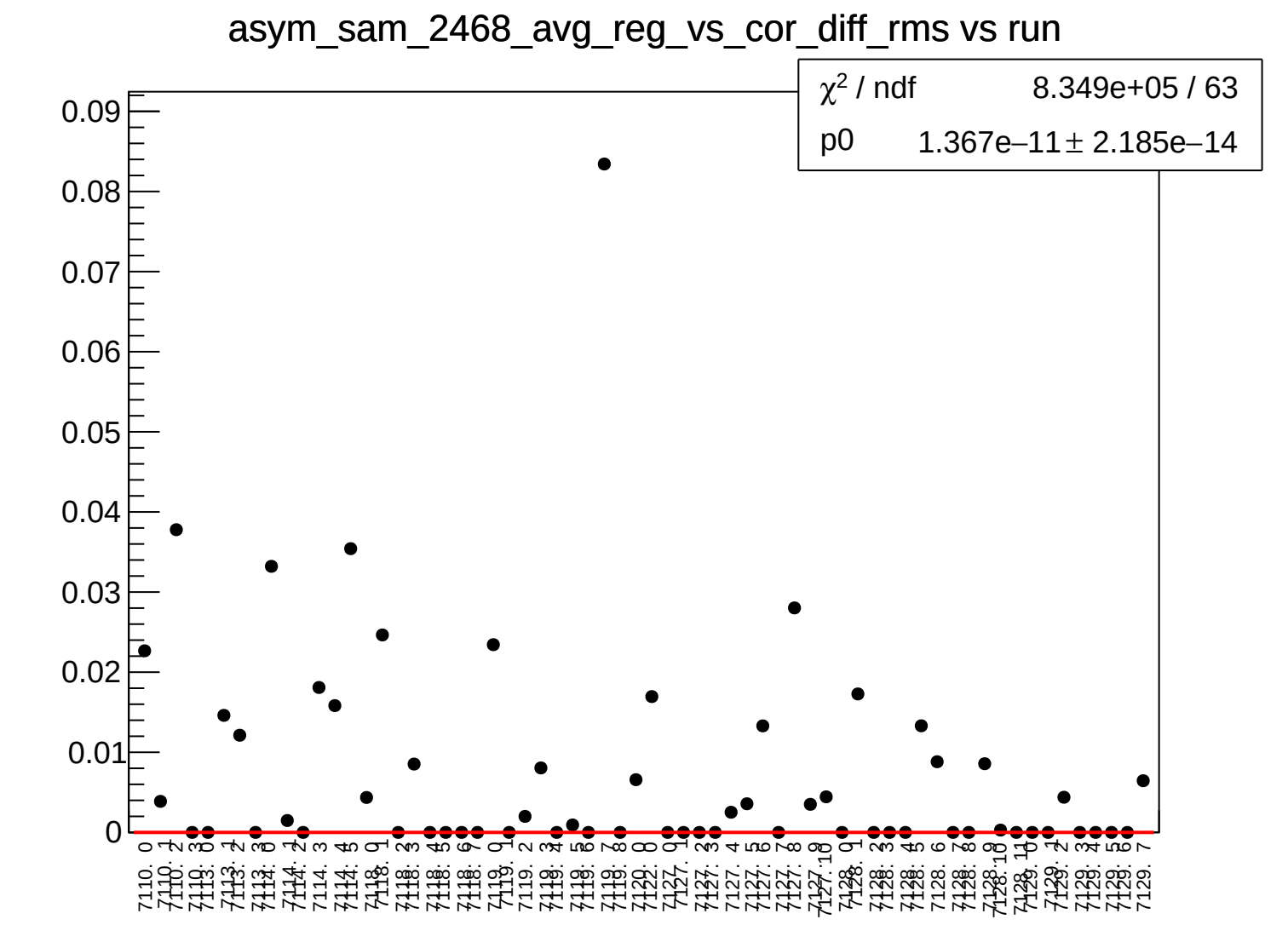

asym_sam_2468_avg_mean vs run
χ² / ndf 63.9 / 63
p0 1994 ± 893.4
pull
Entries 64
Mean −203.2
Std Dev 0

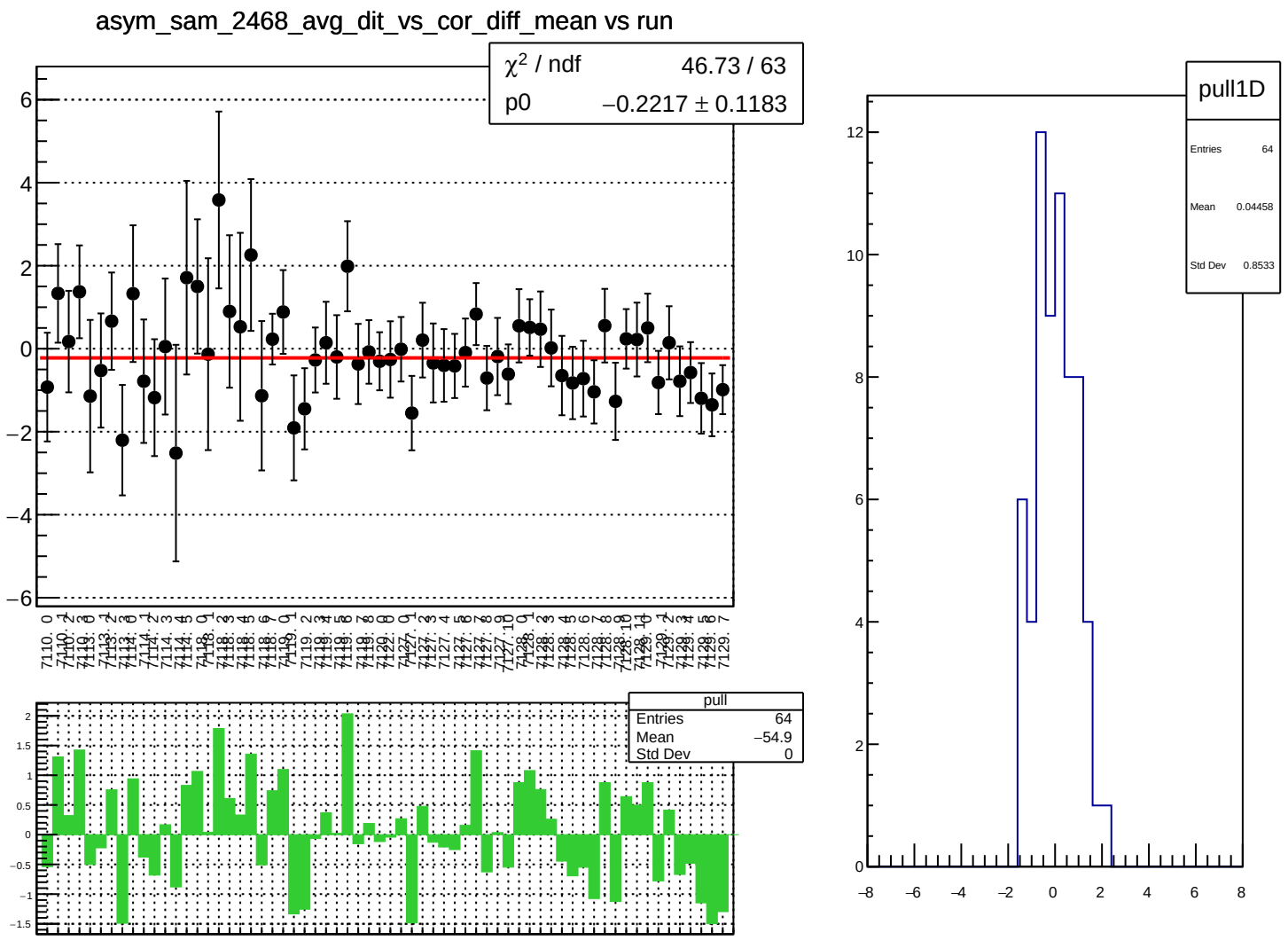

pull1D
Entries 64
Mean −0.01858
Std Dev 0.999

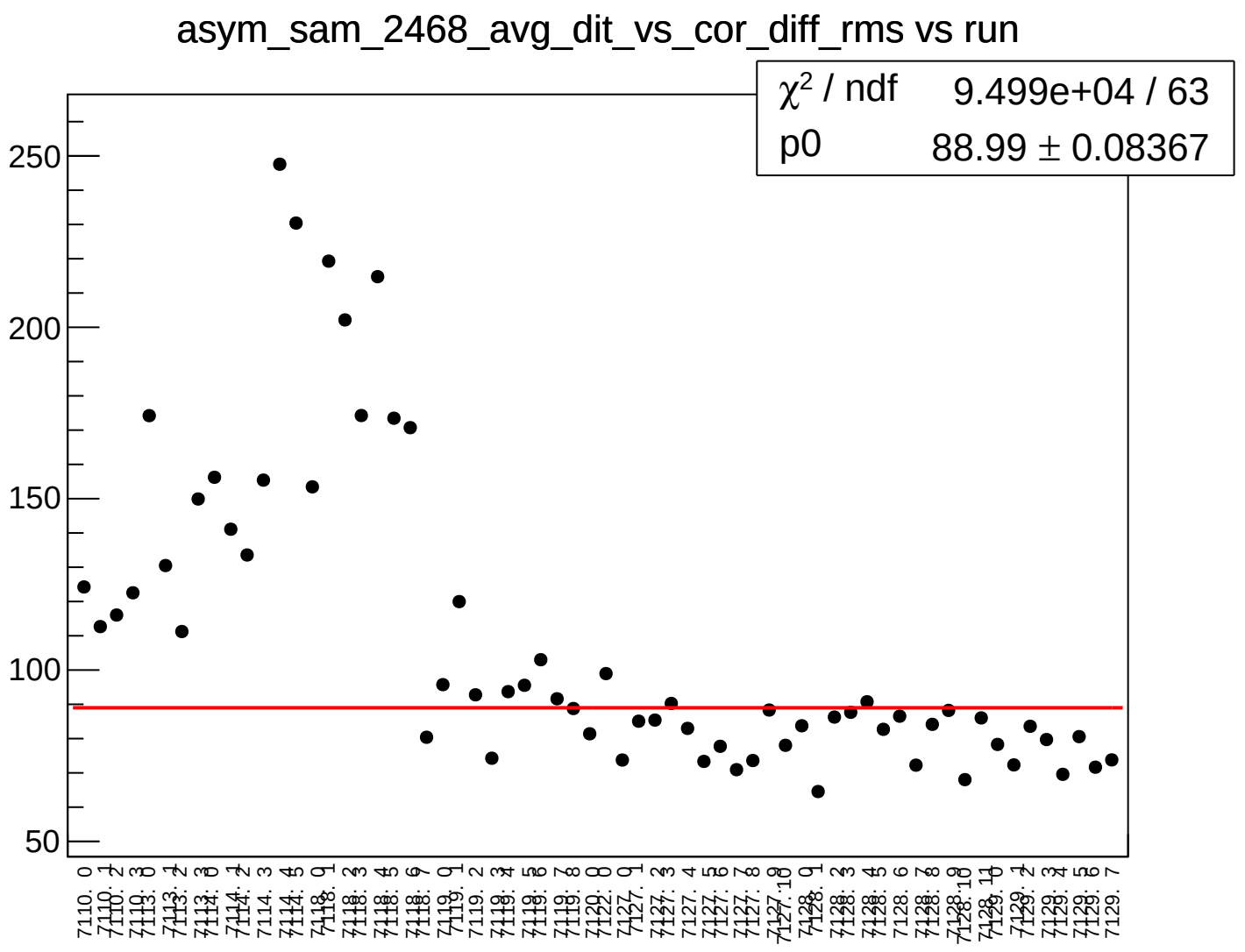

asym_sam_2468_avg_rms vs run
χ² / ndf 8493 / 63
p0 697.1 ± 0.6317
900
850
800
750
700
650
600

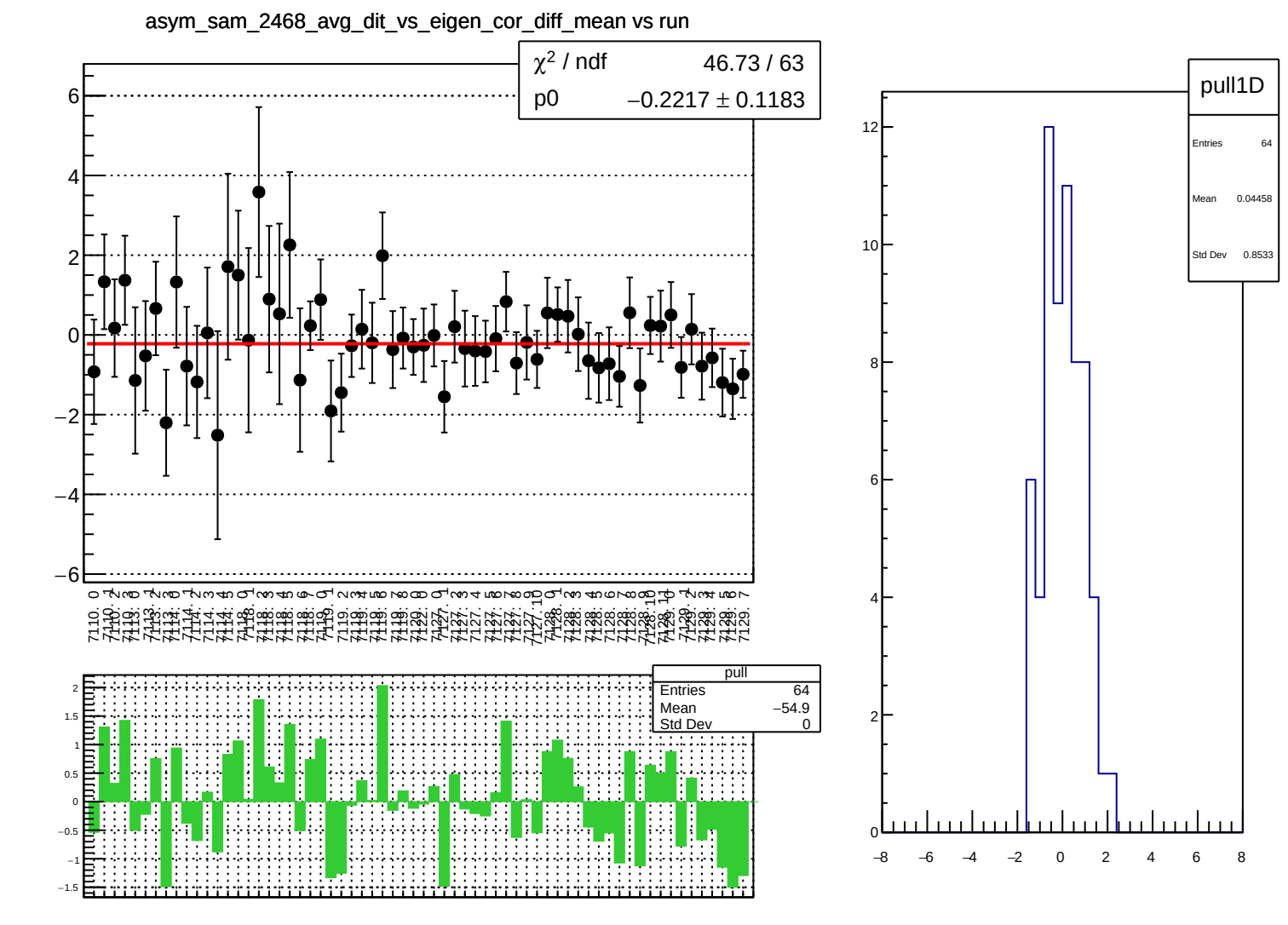

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.66 / 63
p0 −3.555e−14 ± 3.09e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 64
Mean −84.6
Std Dev 0

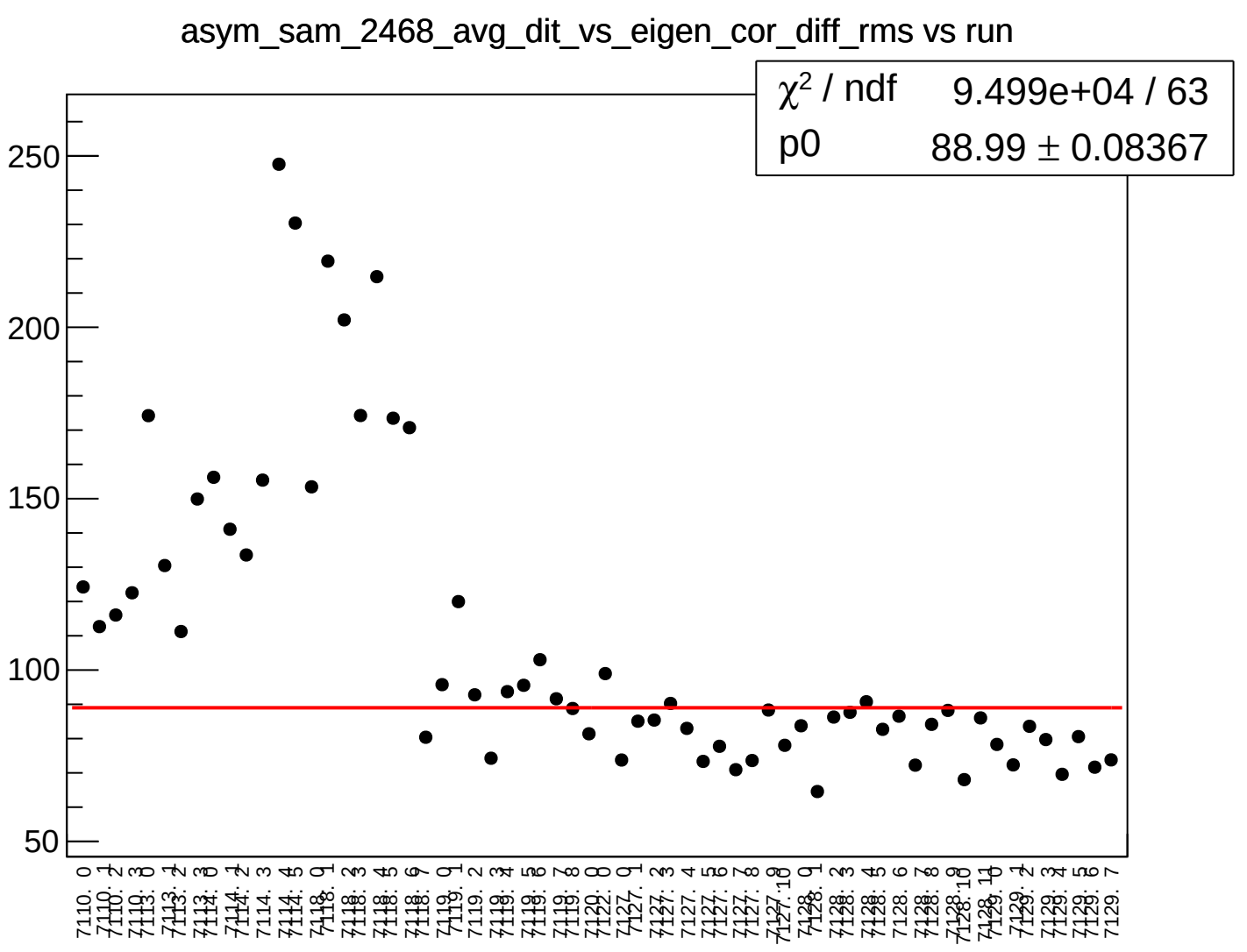

pull1D
Entries 64
Mean 0.0305
Std Dev 0.8714

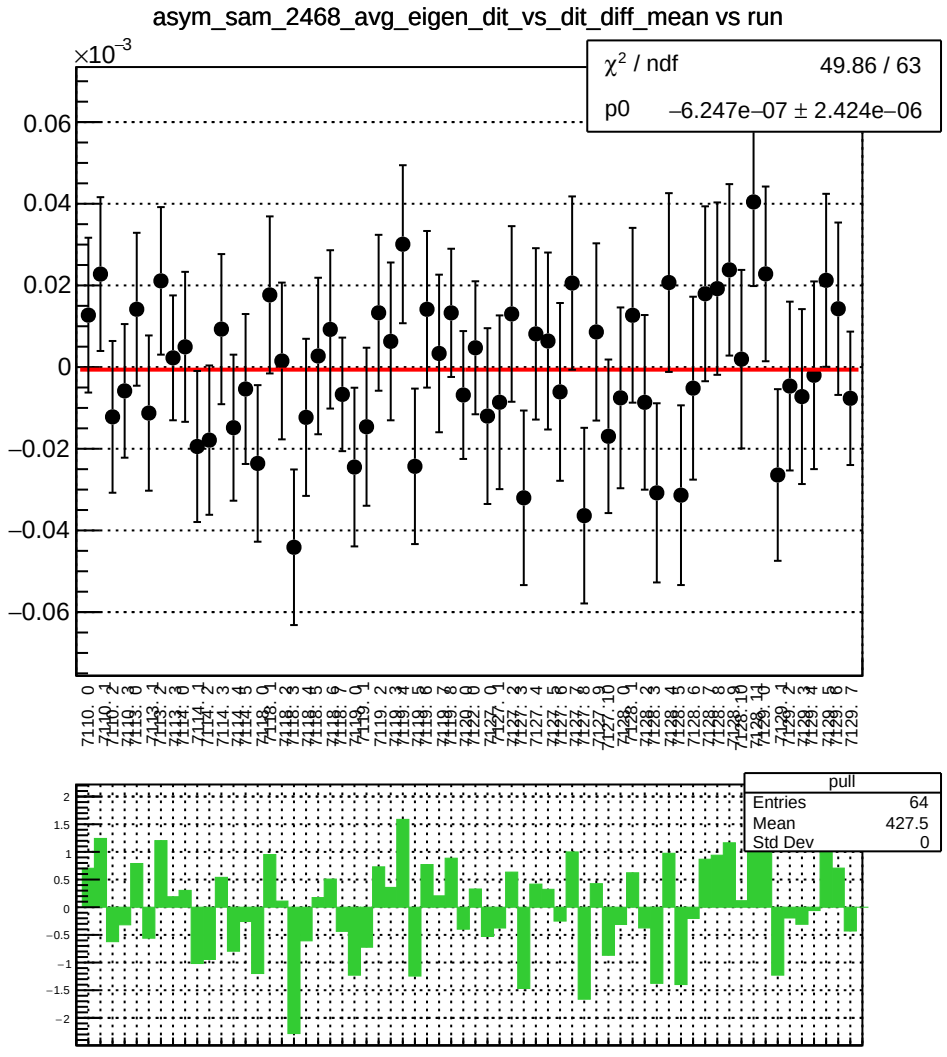

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.349e+05 / 63
p0 1.367e−11 ± 2.185e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7114. 5
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7127. 10
7128. 0
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7128. 10
7128. 11
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

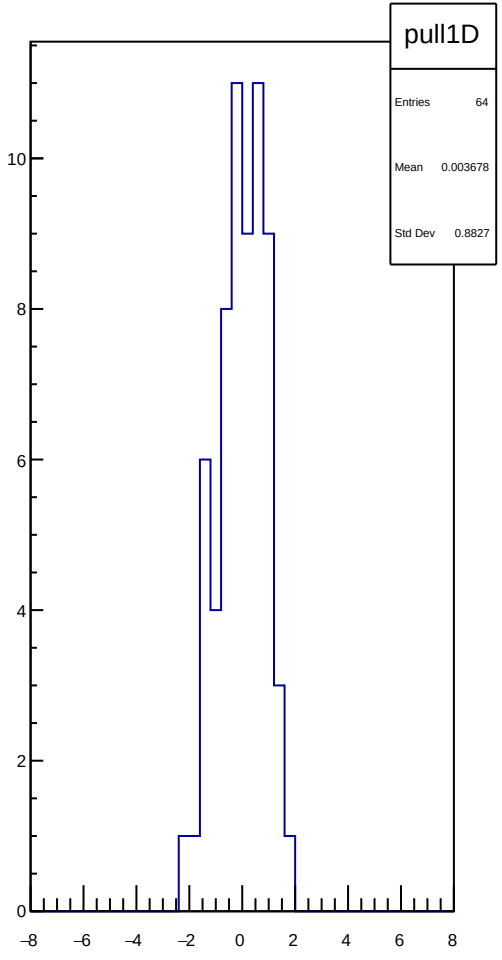

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.73 / 63
p0 −0.2217 ± 0.1183
pull
Entries 64
Mean −54.9
Std Dev 0
pull1D
Entries 64
Mean 0.04458
Std Dev 0.8533

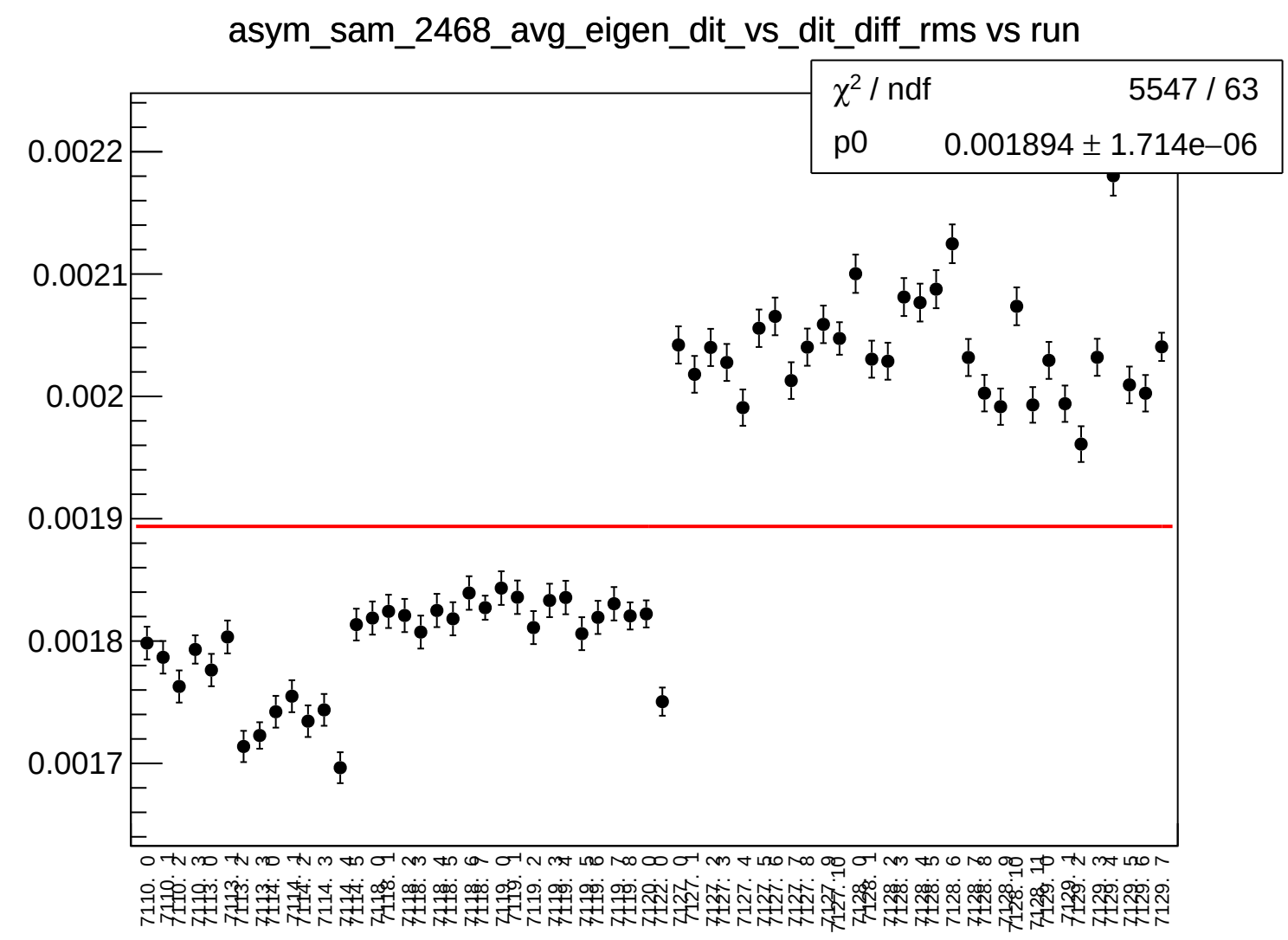

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.499e+04 / 63
p0 88.99 ± 0.08367
250
200
150
100
50

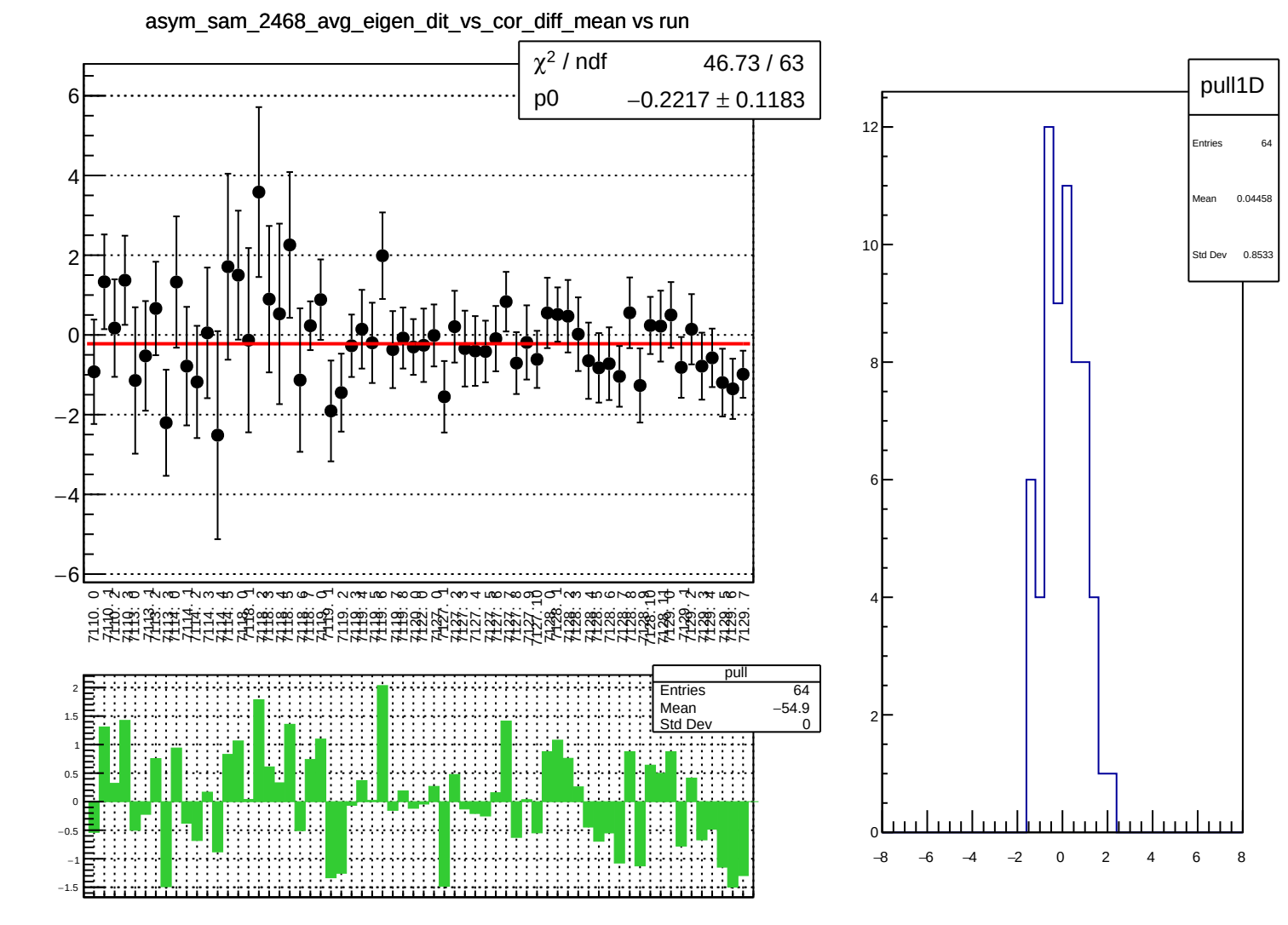

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.73 / 63
p0 −0.2217 ± 0.1183
pull
Entries 64
Mean −54.9
Std Dev 0
pull1D
Entries 64
Mean 0.04458
Std Dev 0.8533

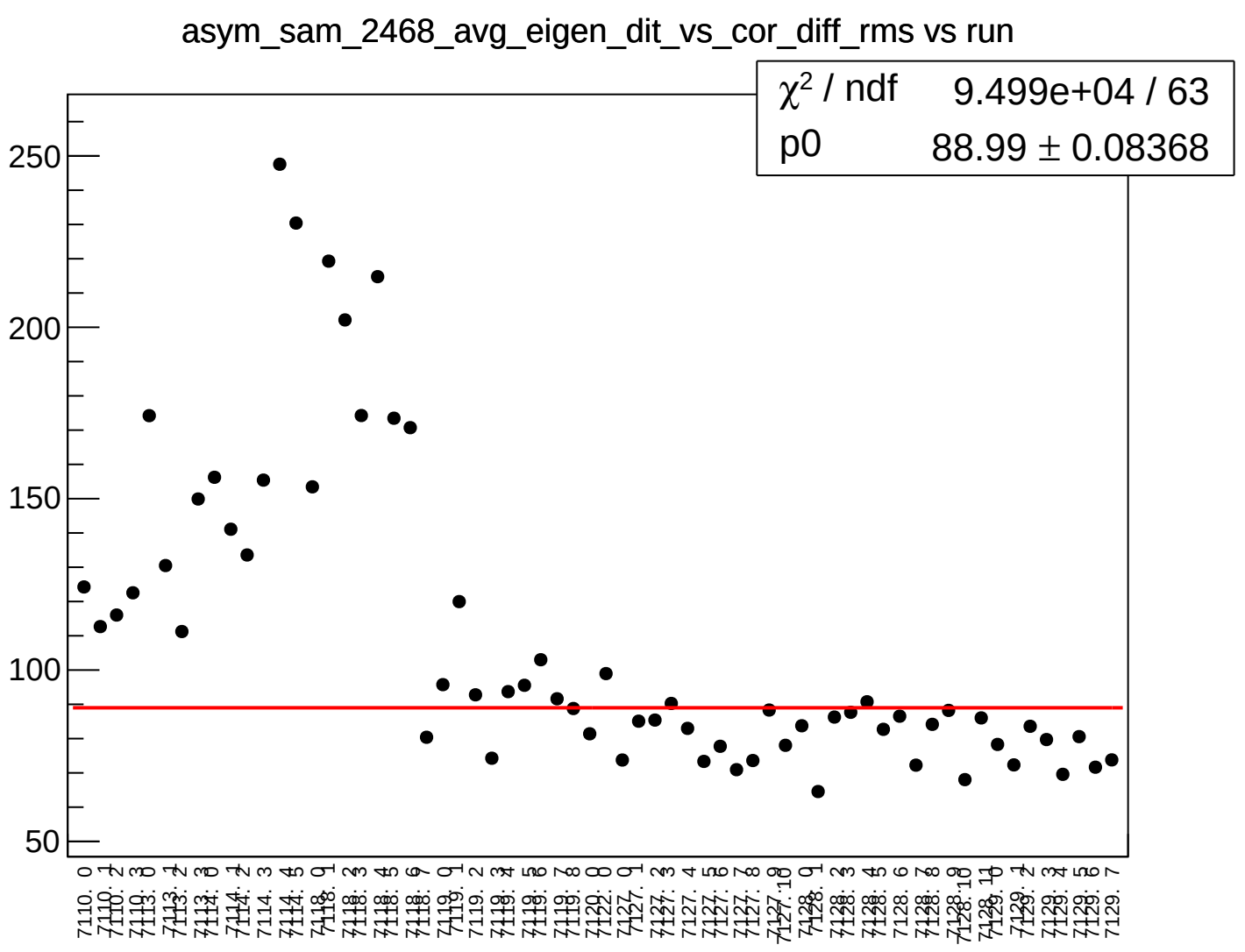

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.499e+04 / 63
p0 88.99 ± 0.08367
250
200
150
100
50

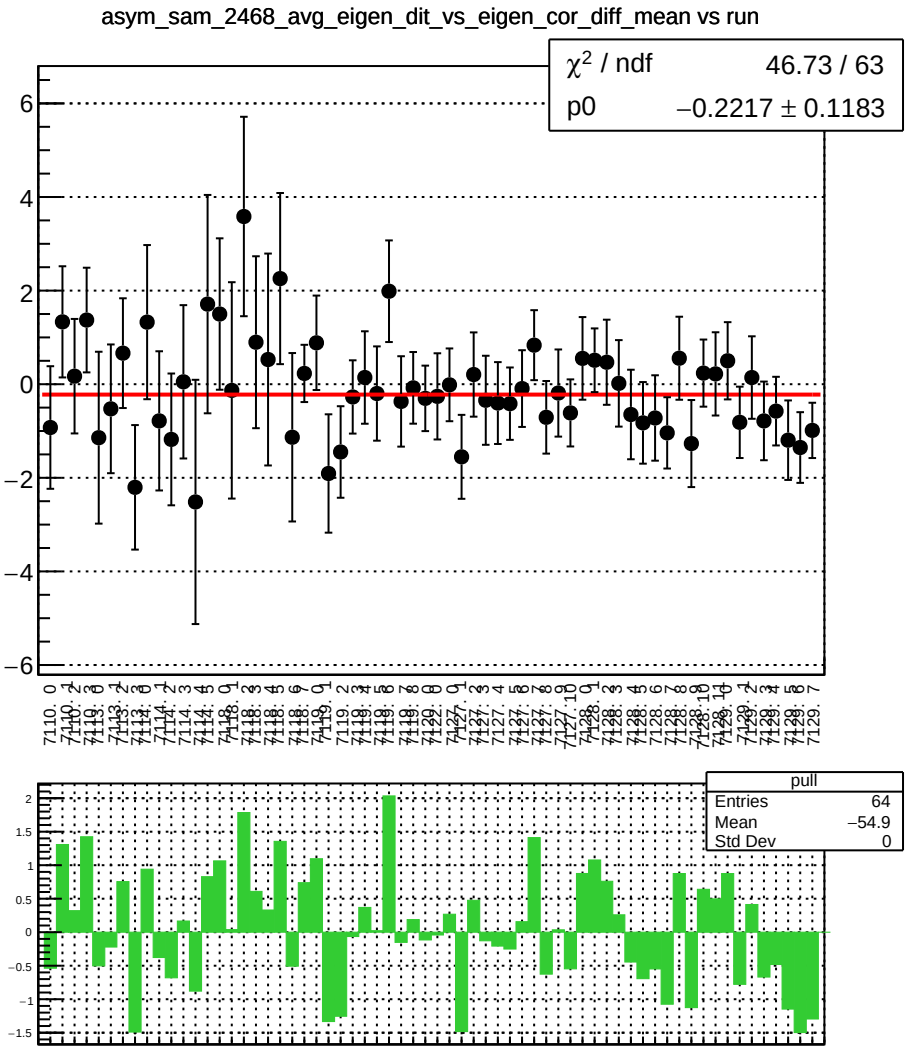

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.86 / 63
p0 −6.247e−07 ± 2.424e−06
pull
Entries 64
Mean 427.5
Std Dev 0

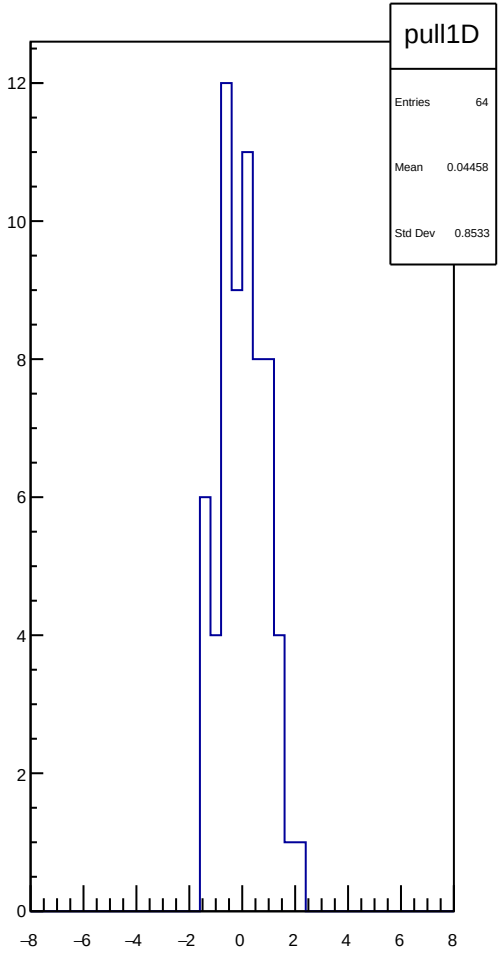

pull1D
Entries 64
Mean 0.003678
Std Dev 0.8827

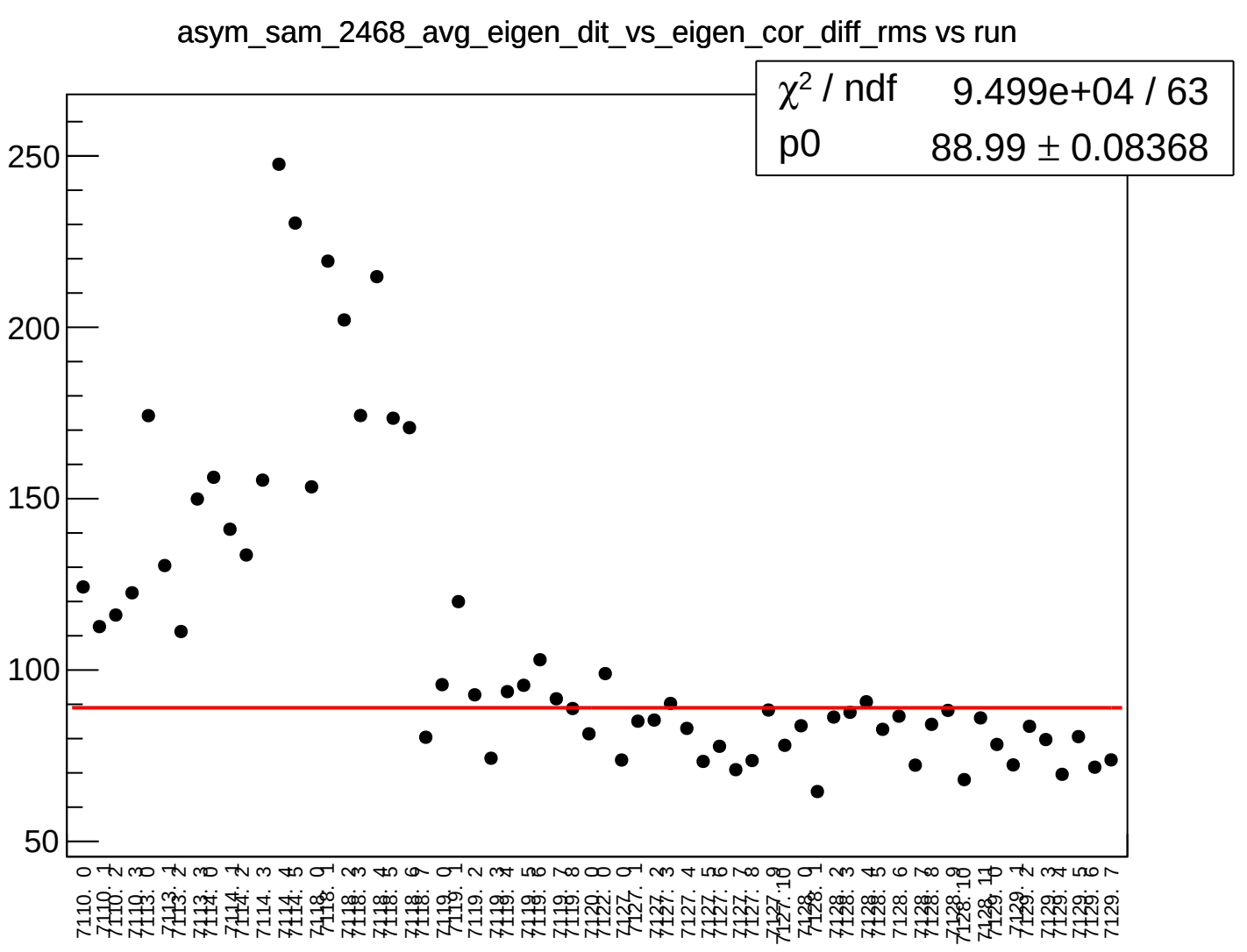

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5547 / 63
p0 0.001894 ± 1.714e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

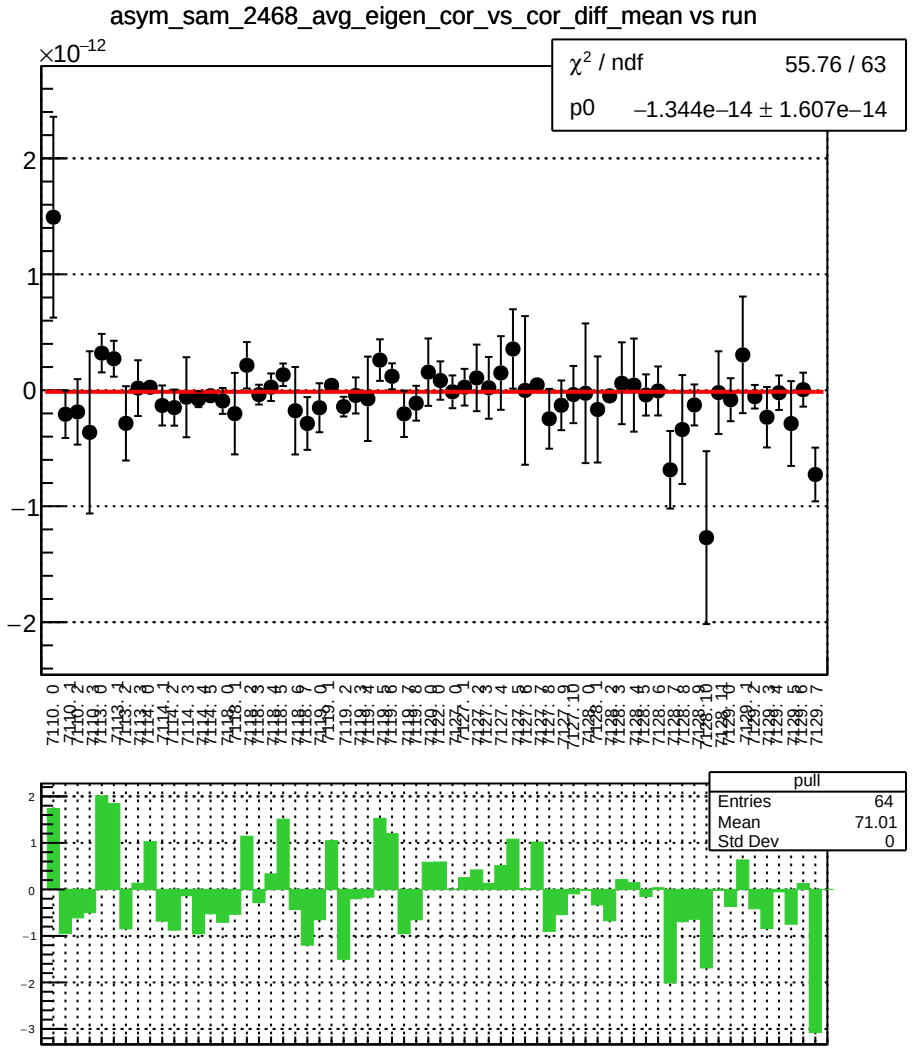

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.73 / 63
p0 −0.2217 ± 0.1183
pull
Entries 64
Mean −54.9
Std Dev 0
pull1D
Entries 64
Mean 0.04458
Std Dev 0.8533

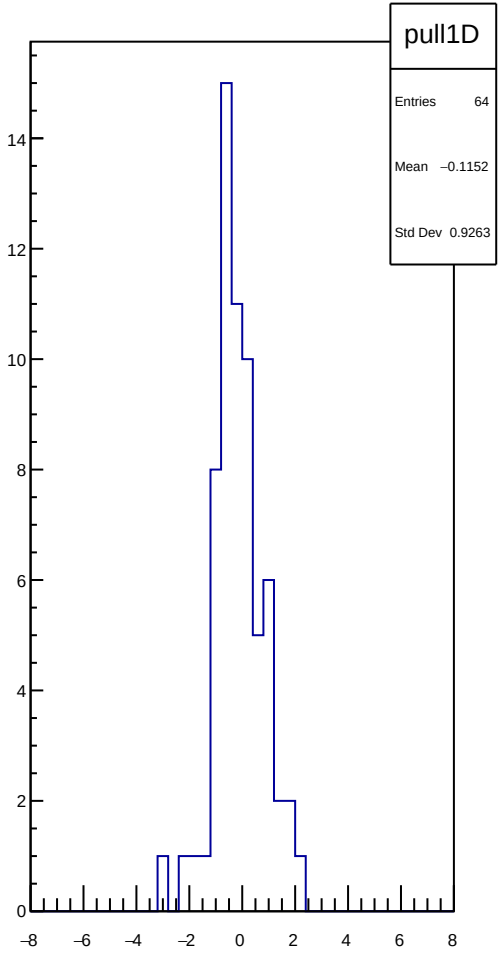

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.499e+04 / 63
p0 88.99 ± 0.08368
250
200
150
100
50

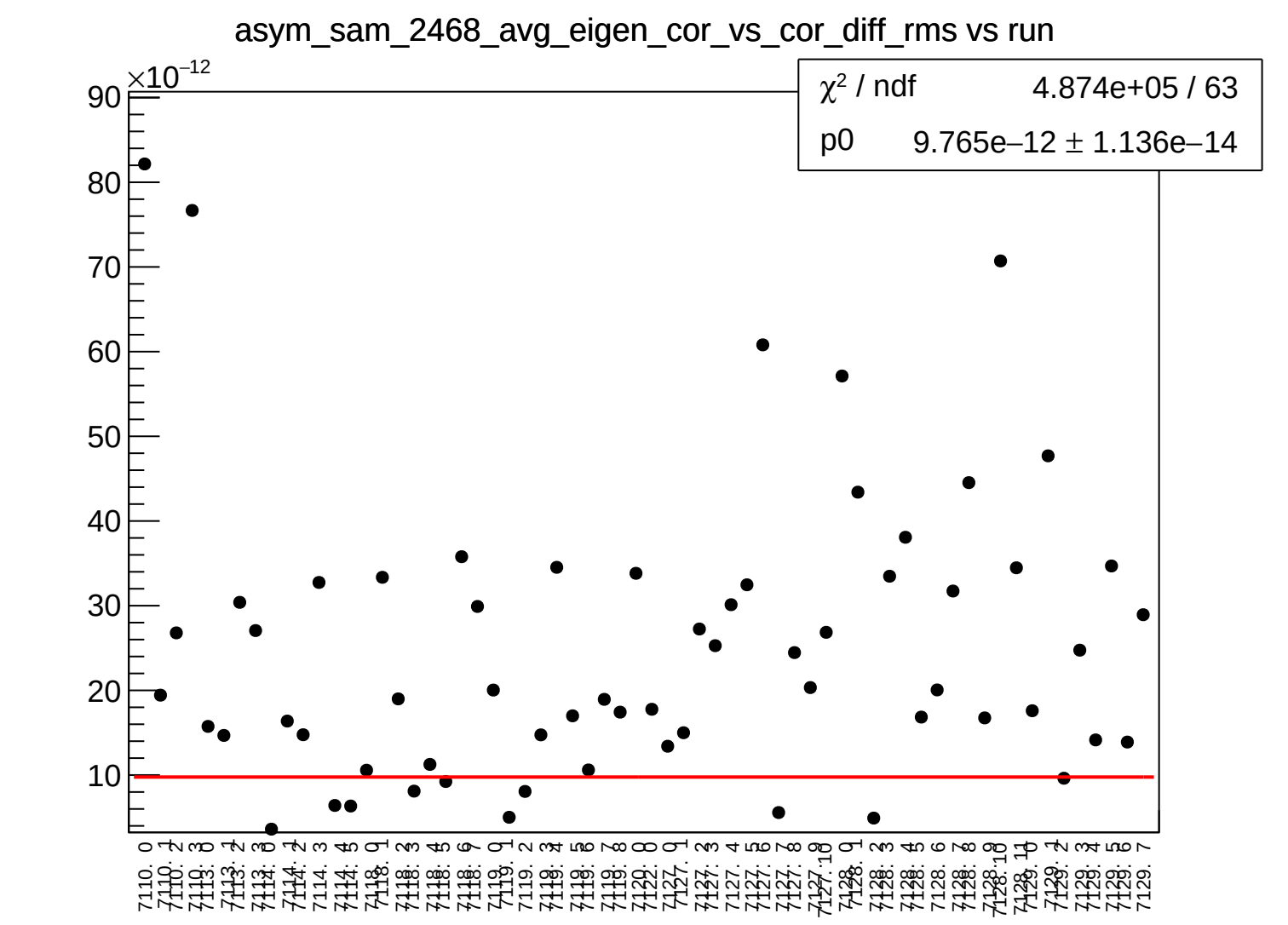

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.73 / 63
p0 −0.2217 ± 0.1183
pull
Entries 64
Mean −54.9
Std Dev 0

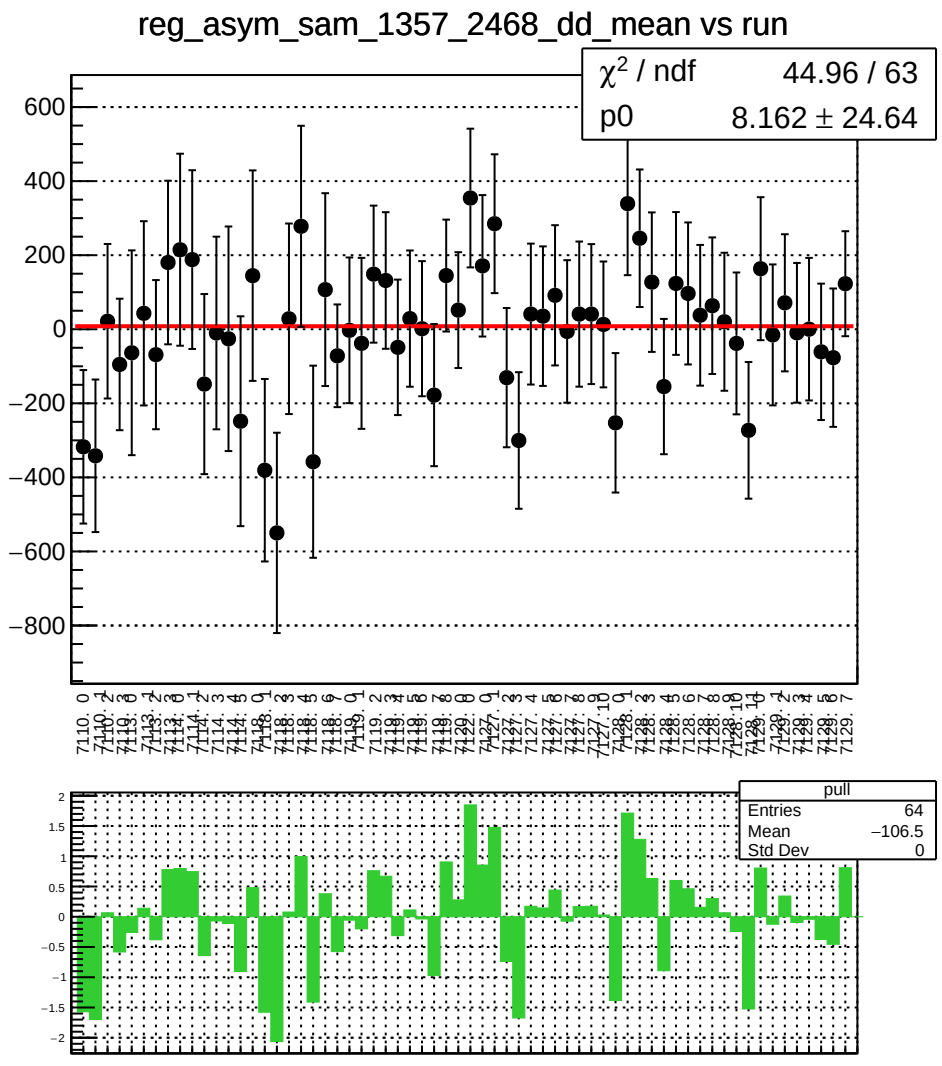

pull1D
Entries 64
Mean 0.04458
Std Dev 0.8533

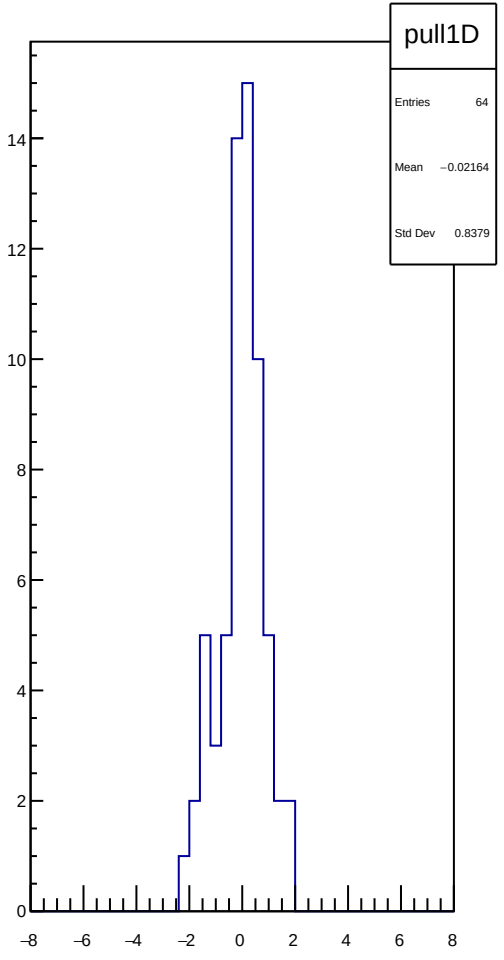

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.499e+04 / 63
p0 88.99 ± 0.08368
250
200
150
100
50

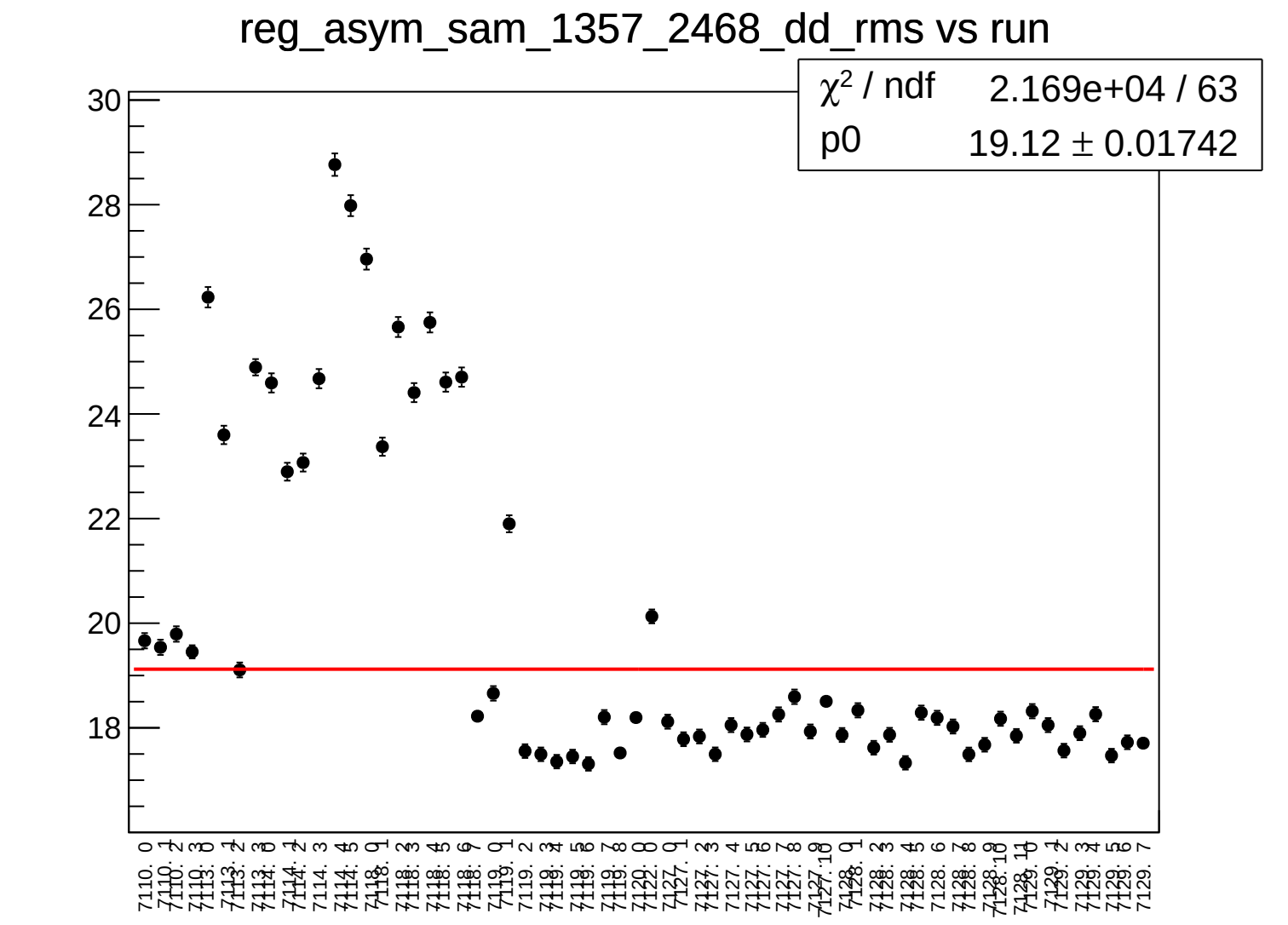

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 55.76 / 63
p0 −1.344e−14 ± 1.607e−14
pull
Entries 64
Mean 71.01
Std Dev 0

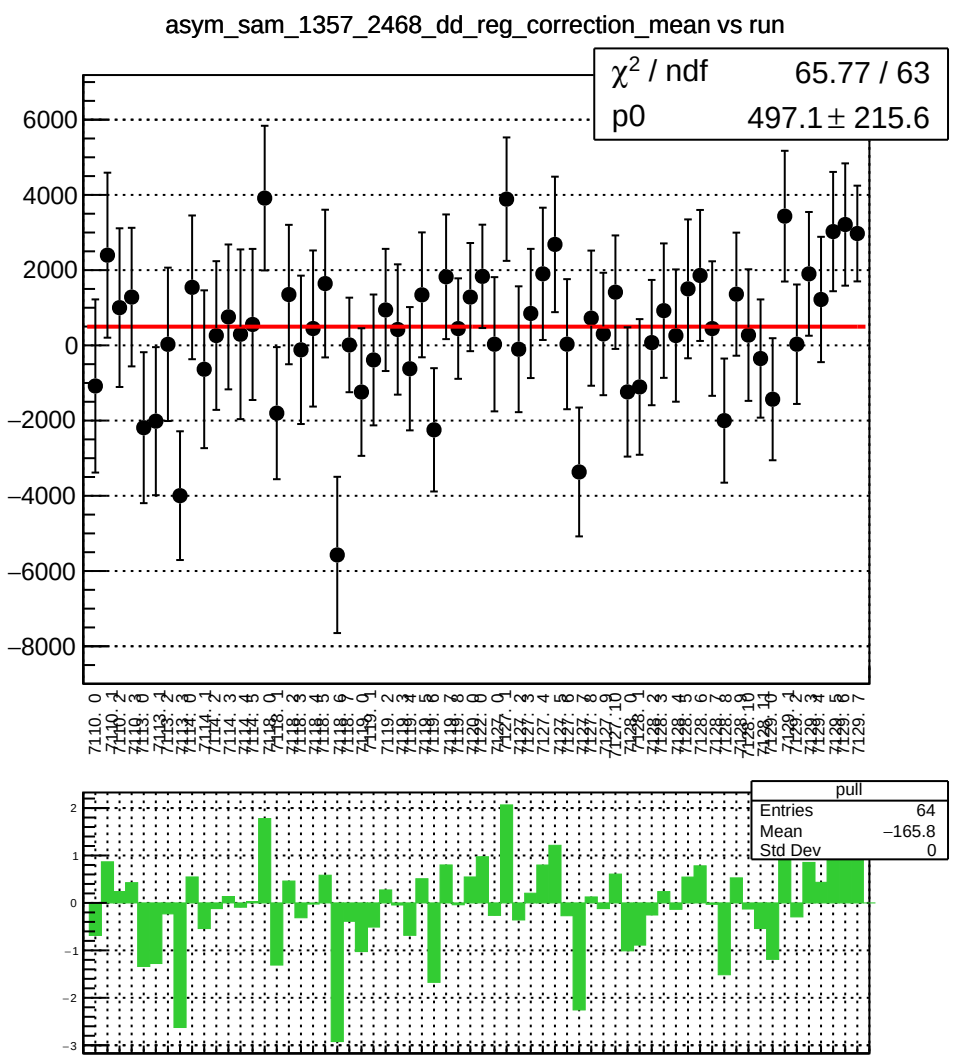

pull1D
Entries 64
Mean −0.1152
Std Dev 0.9263

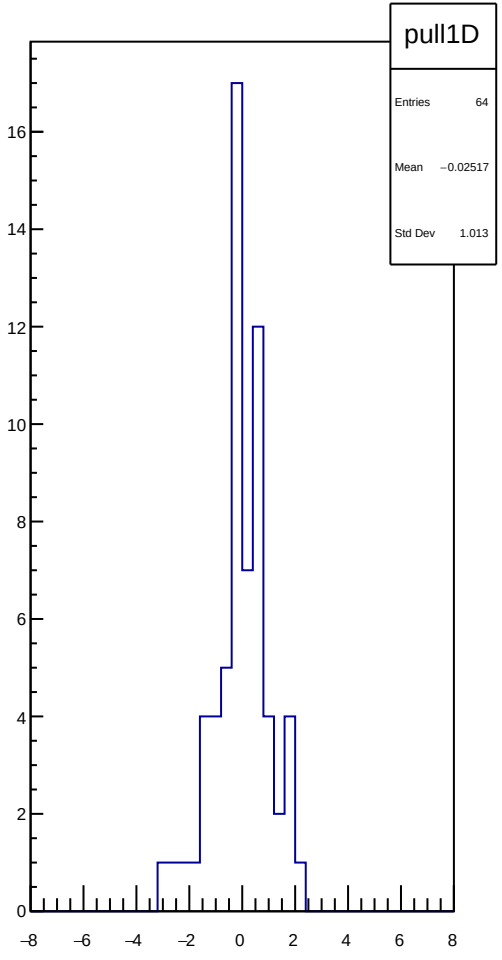

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
90
80
70
60
50
40
30
20
10
χ² / ndf 4.874e+05 / 63
p0 9.765e−12 ± 1.136e−14

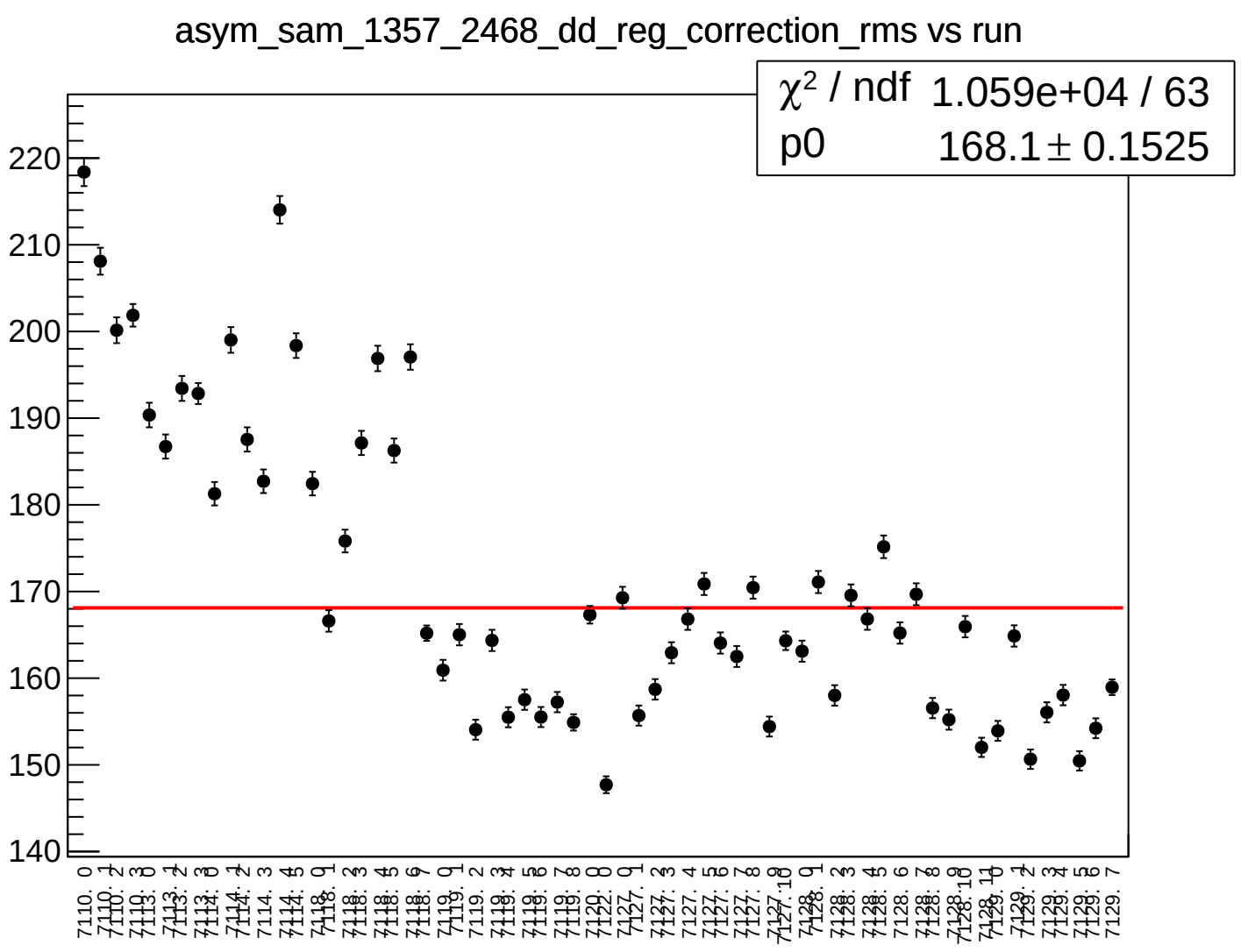

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 44.96 / 63
p0 8.162 ± 24.64
pull
Entries 64
Mean −106.5
Std Dev 0

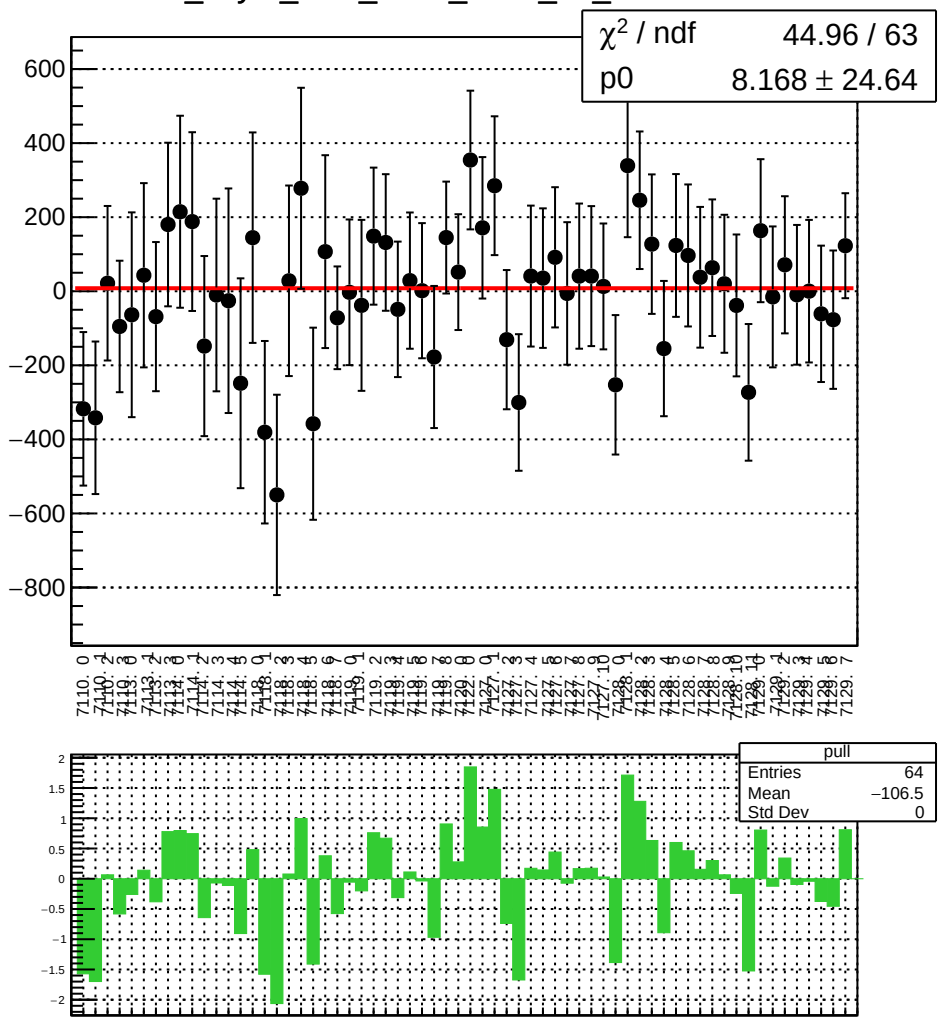

pull1D
Entries 64
Mean −0.02164
Std Dev 0.8379

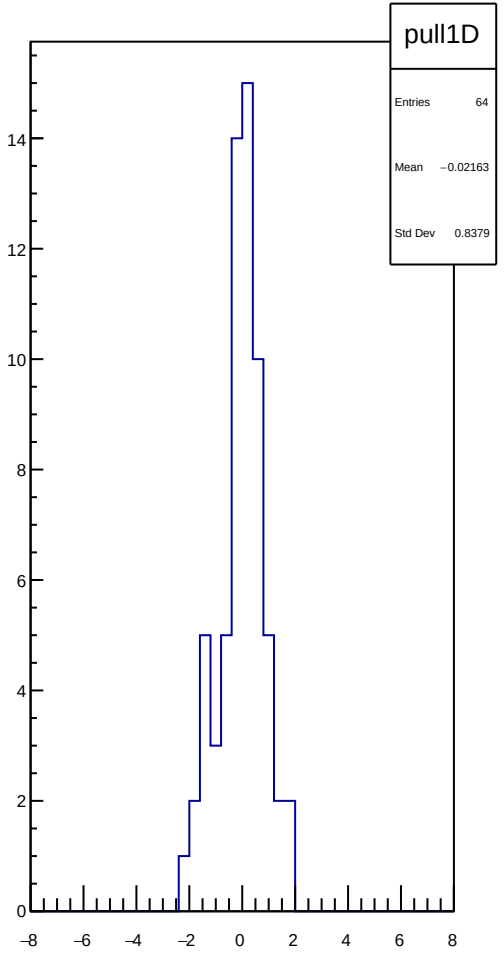

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.169e+04 / 63
p0 19.12 ± 0.01742
30
28
26
24
22
20
18

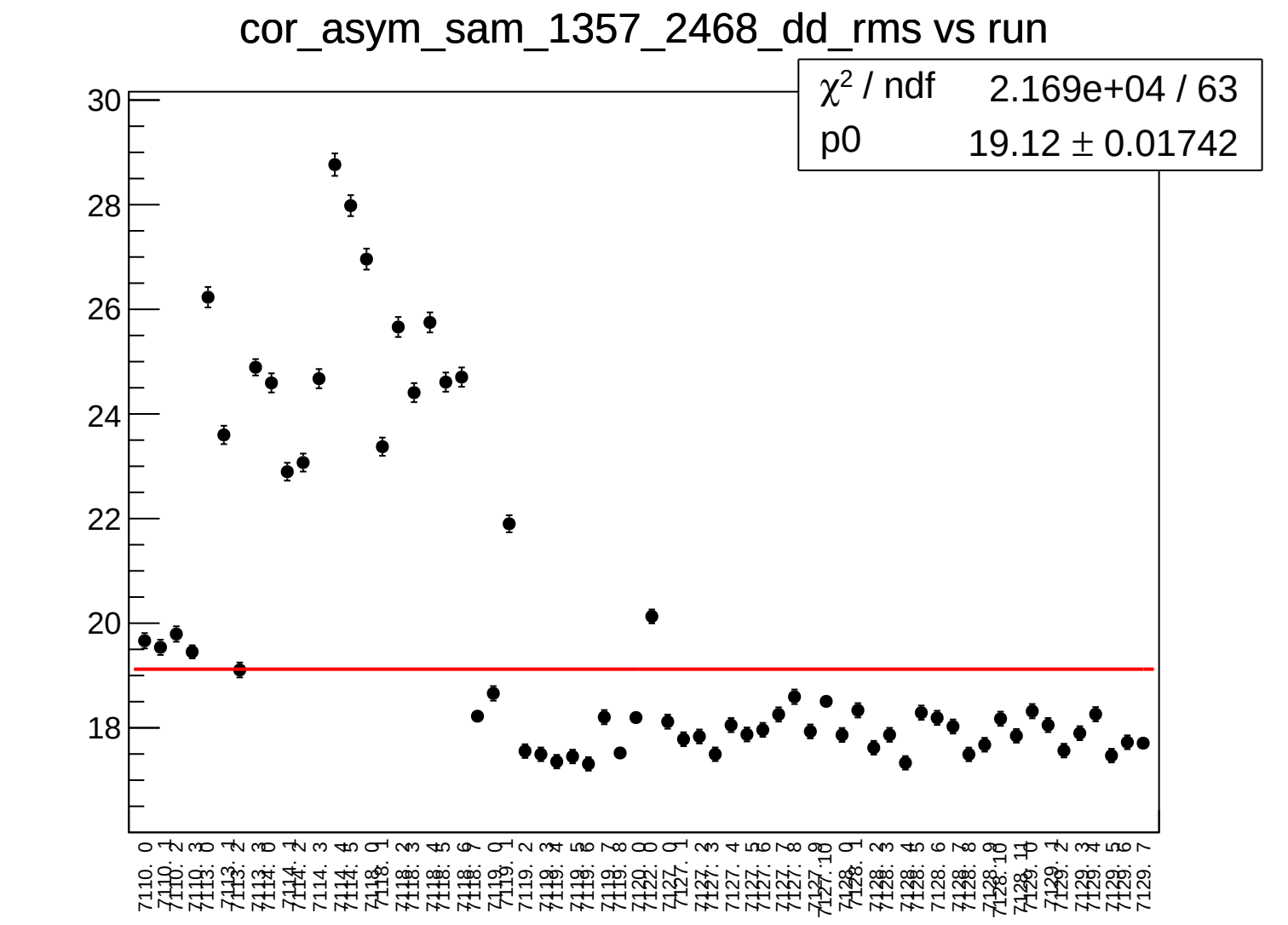

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 65.77 / 63
p0 497.1 ± 215.6
pull
Entries 64
Mean −165.8
Std Dev 0

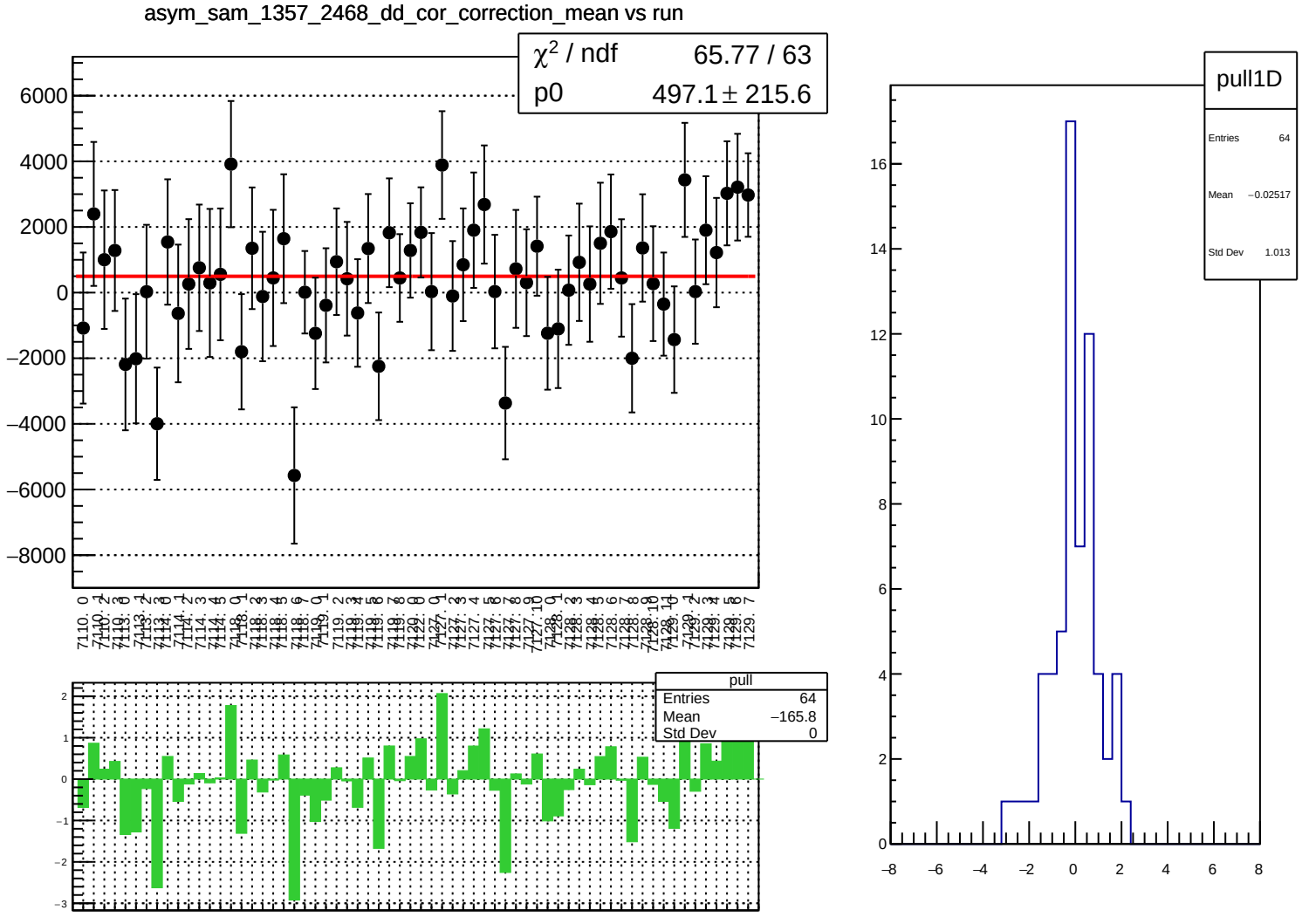

pull1D
Entries 64
Mean −0.02517
Std Dev 1.013

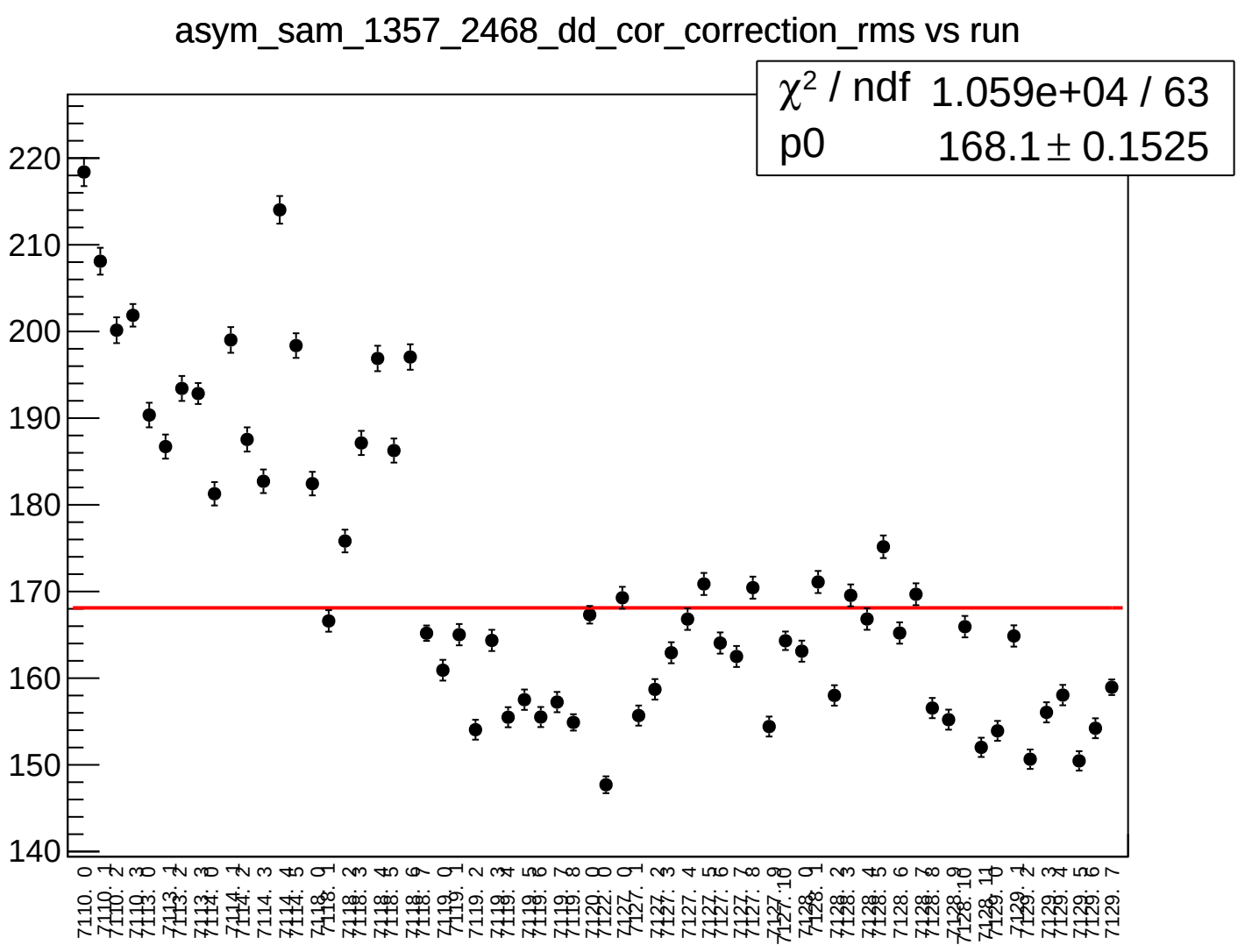

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1.059e+04 / 63
p0 168.1 ± 0.1525
220
210
200
190
180
170
160
150
140

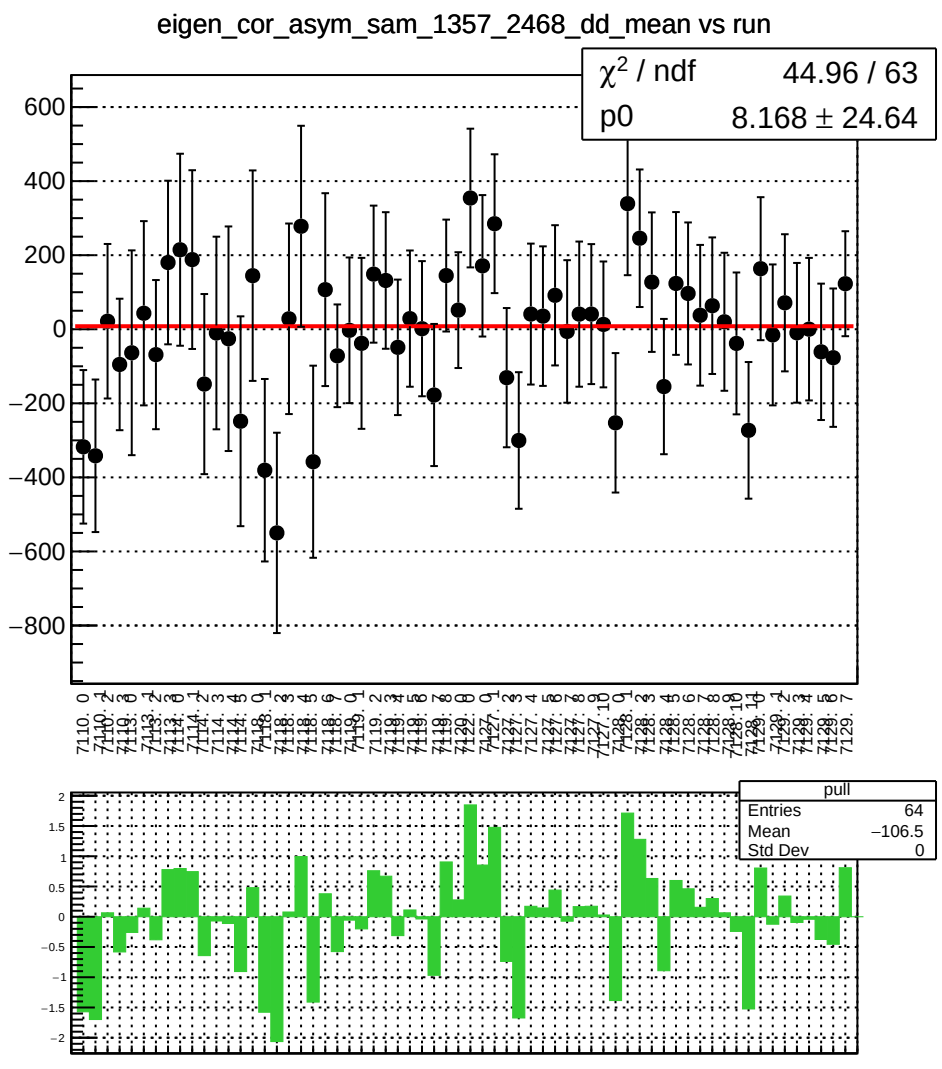

cor_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 44.96 / 63
p0 8.168 ± 24.64
pull
Entries 64
Mean −106.5
Std Dev 0

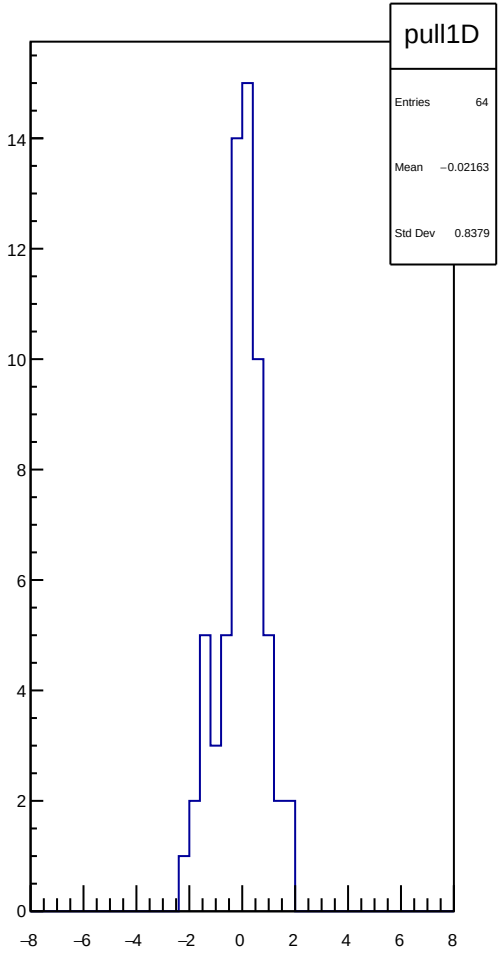

pull1D
Entries 64
Mean −0.02163
Std Dev 0.8379

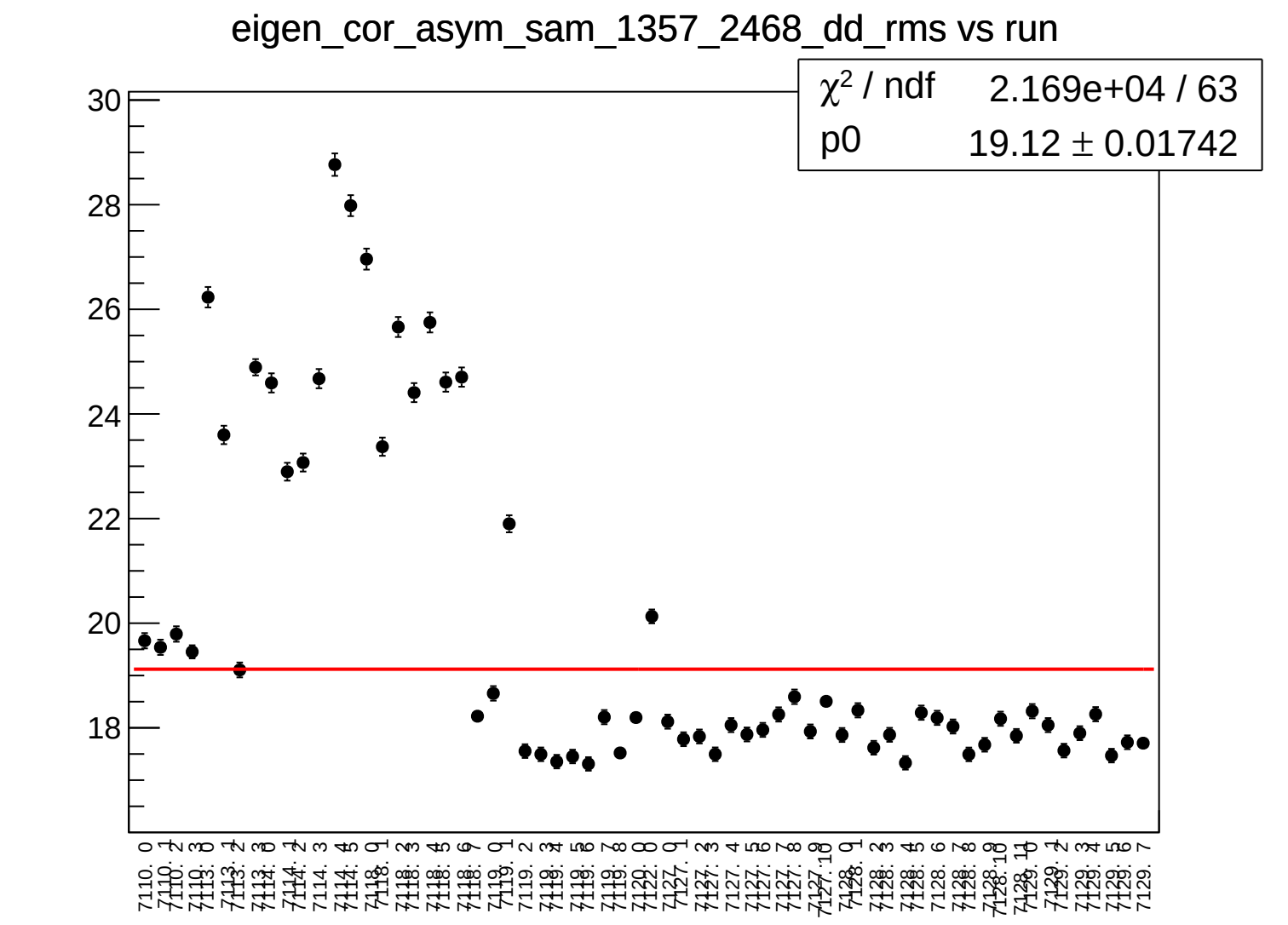

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.169e+04 / 63
p0 19.12 ± 0.01742
30
28
26
24
22
20
18

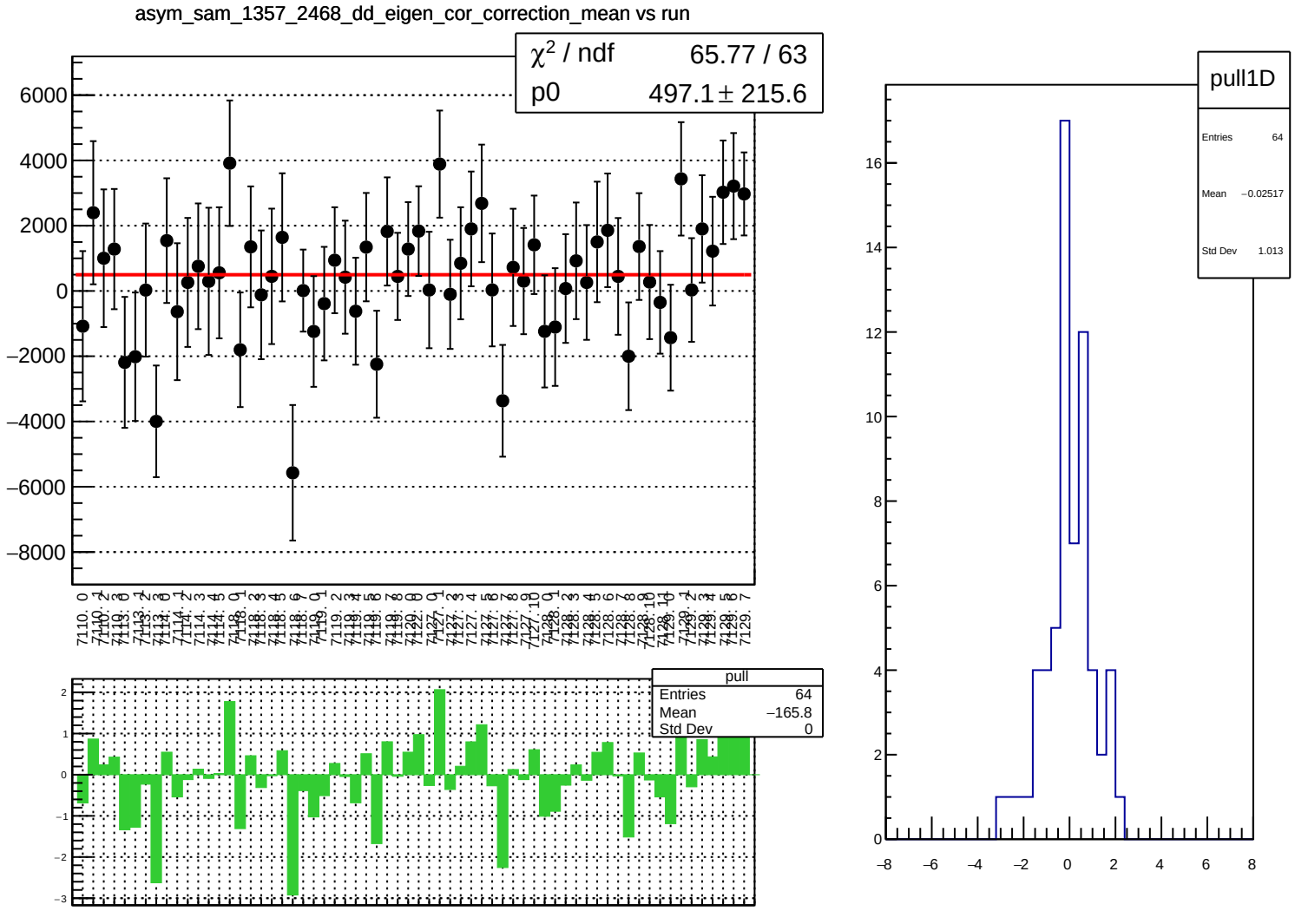

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 65.77 / 63
p0 497.1 ± 215.6
pull
Entries 64
Mean −165.8
Std Dev 0
pull1D
Entries 64
Mean −0.02517
Std Dev 1.013

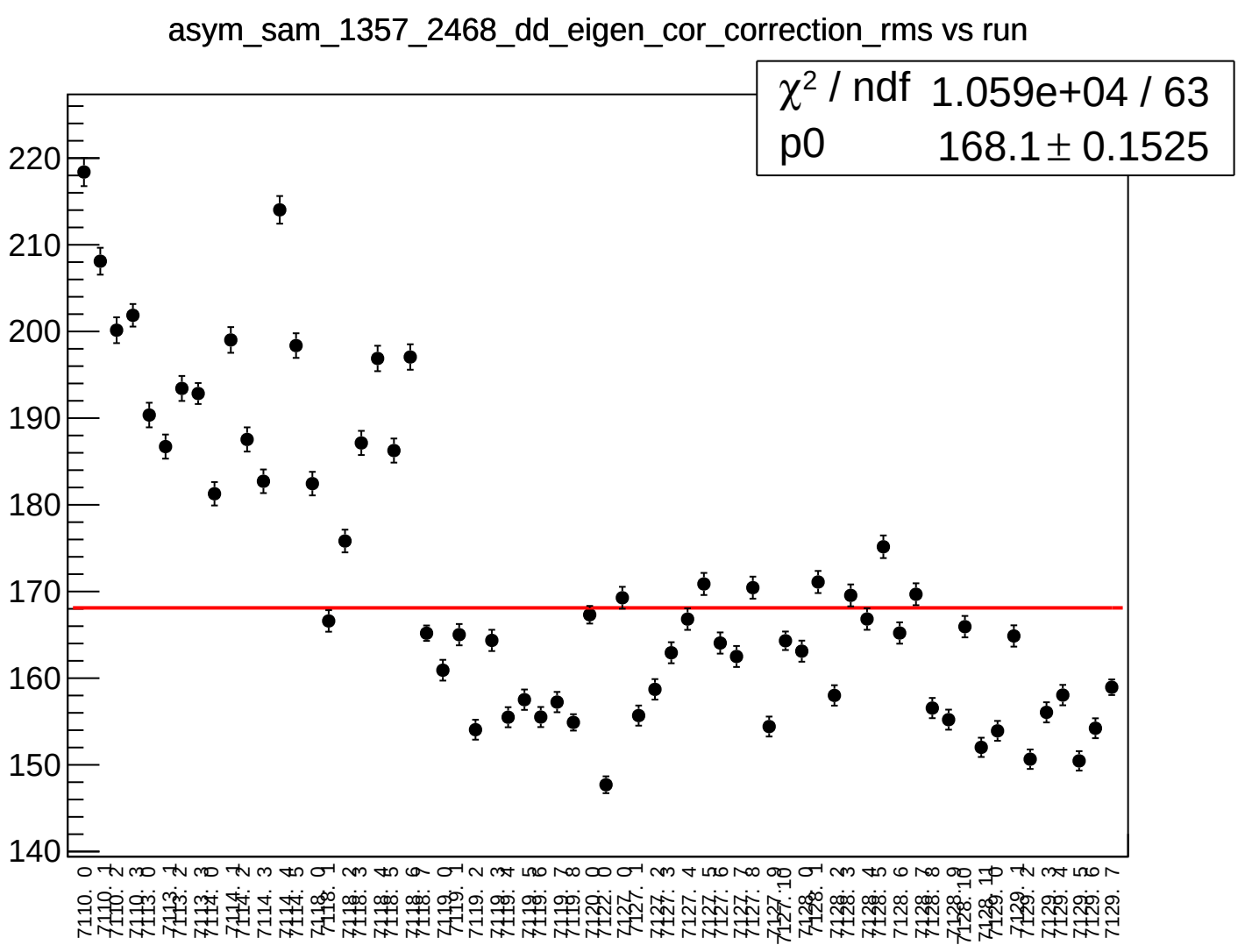

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1.059e+04 / 63
p0 168.1 ± 0.1525
220
210
200
190
180
170
160
150
140

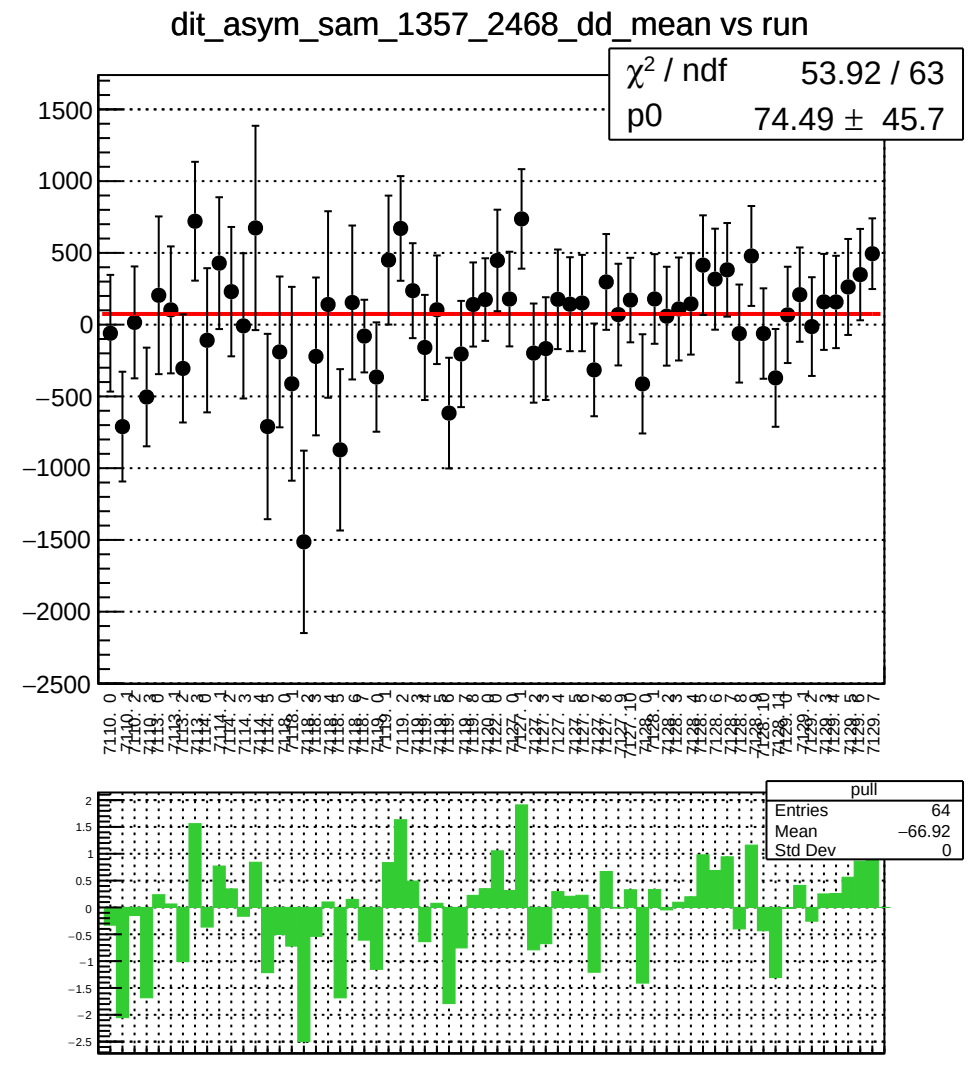

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 44.96 / 63
p0 8.168 ± 24.64
pull
Entries 64
Mean −106.5
Std Dev 0

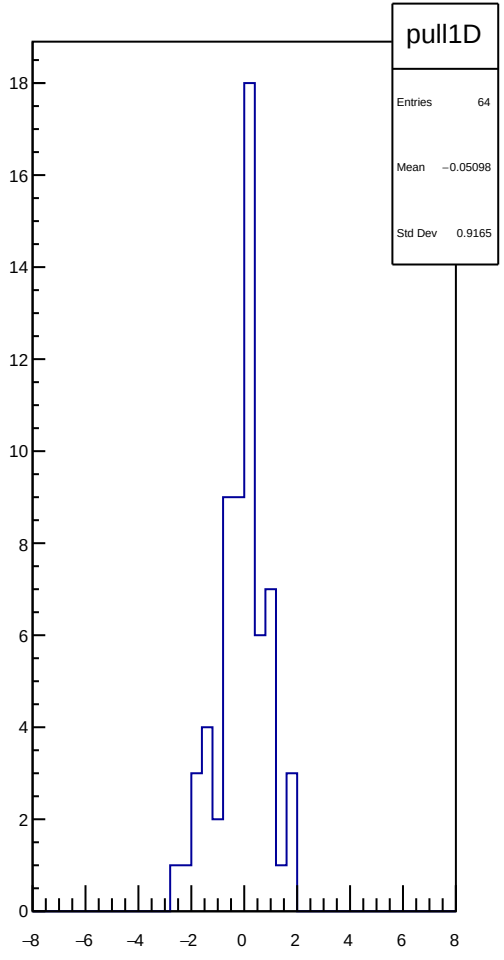

pull1D
Entries 64
Mean −0.02163
Std Dev 0.8379

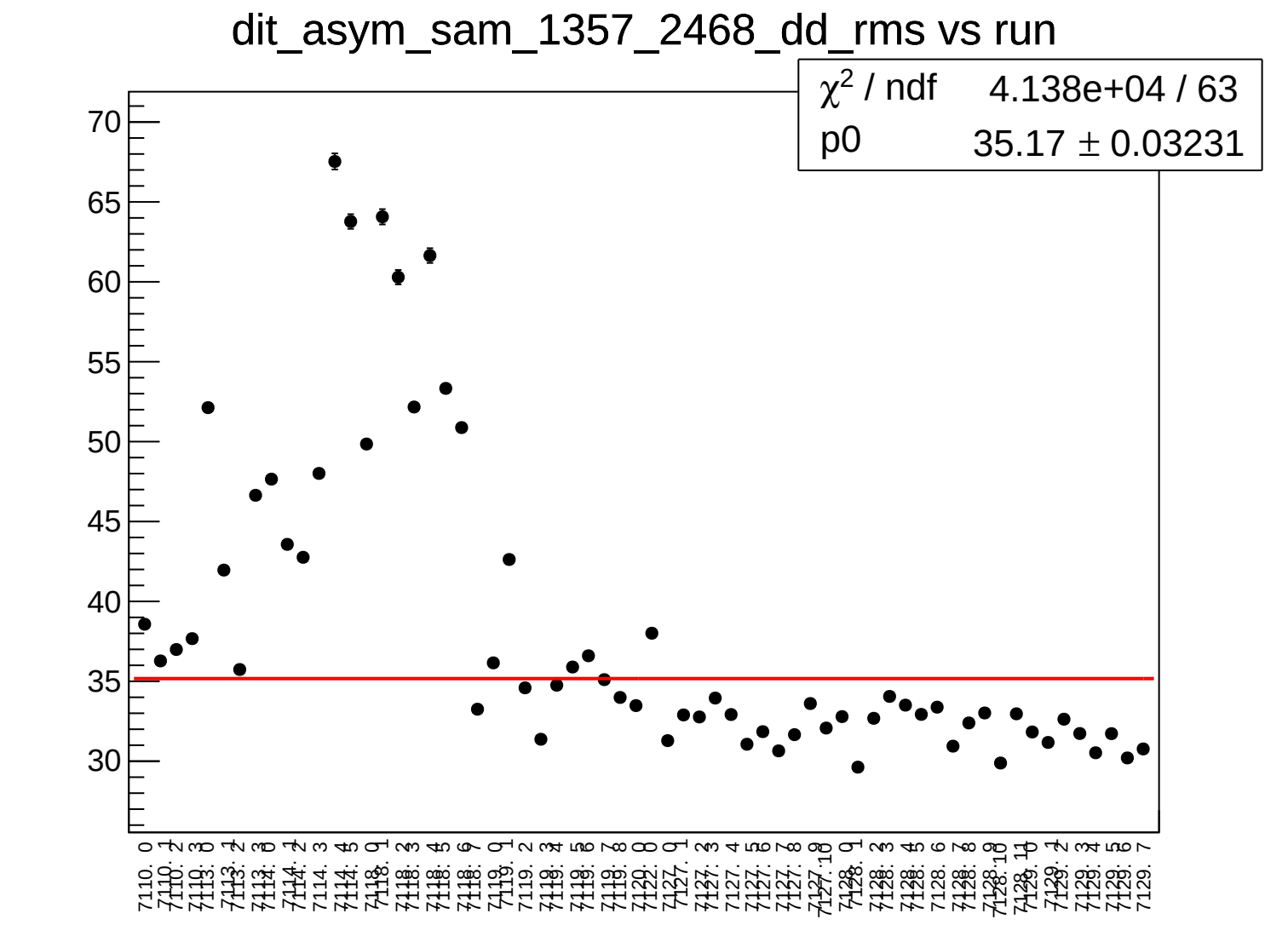

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 2.169e+04 / 63
p0 19.12 ± 0.01742
30
28
26
24
22
20
18

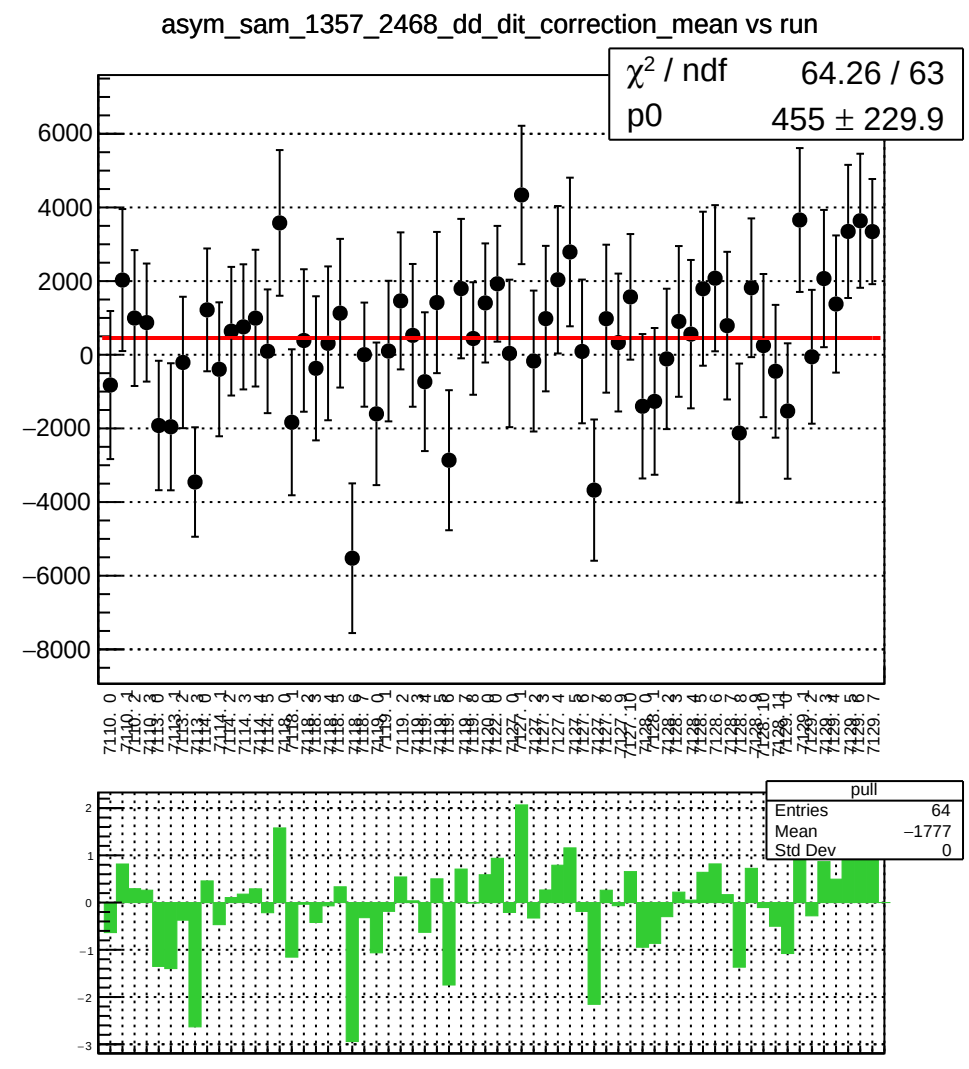

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.77 / 63
p0 497.1 ± 215.6
pull
Entries 64
Mean −165.8
Std Dev 0
pull1D
Entries 64
Mean −0.02517
Std Dev 1.013

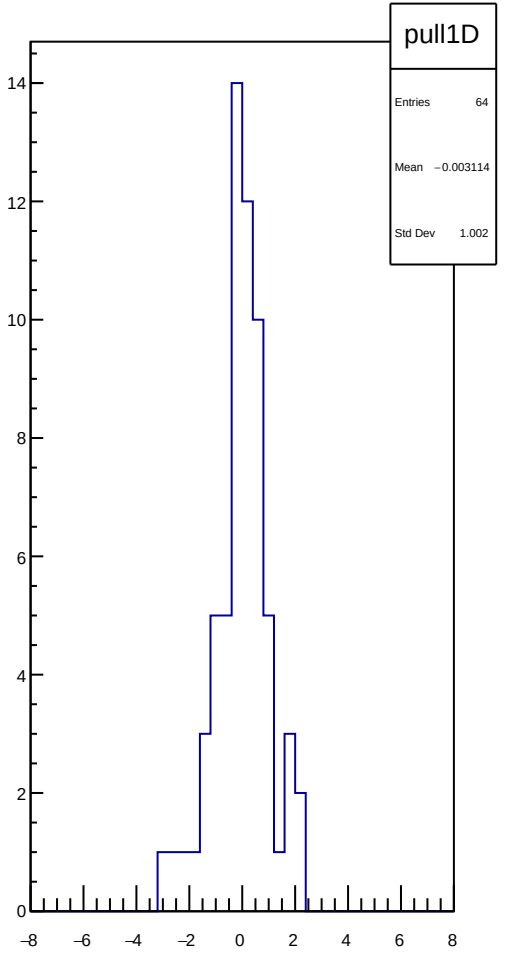

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.059e+04 / 63
p0 168.1 ± 0.1525
220
210
200
190
180
170
160
150
140

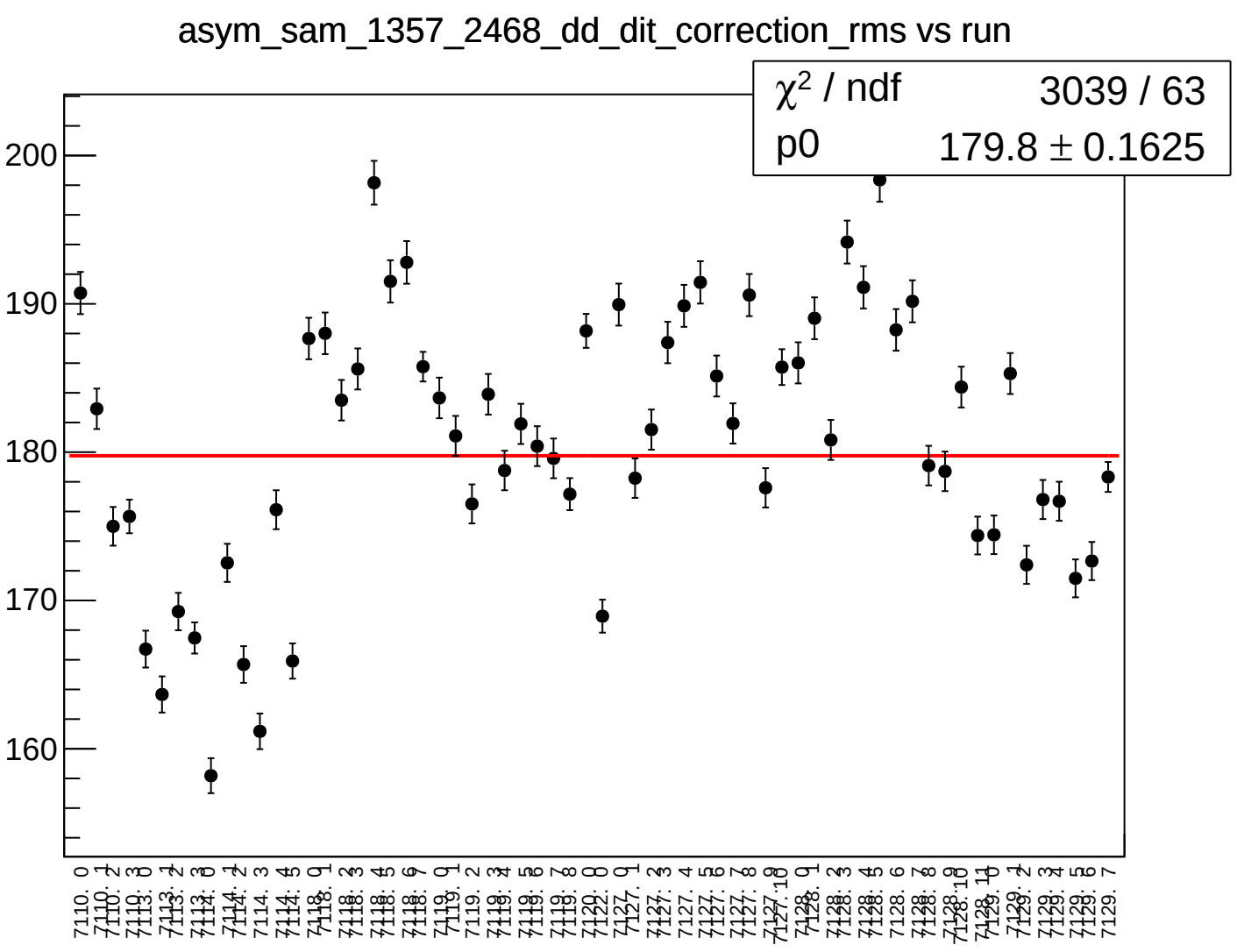

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 53.92 / 63
p0 74.49 ± 45.7
pull
Entries 64
Mean −66.92
Std Dev 0

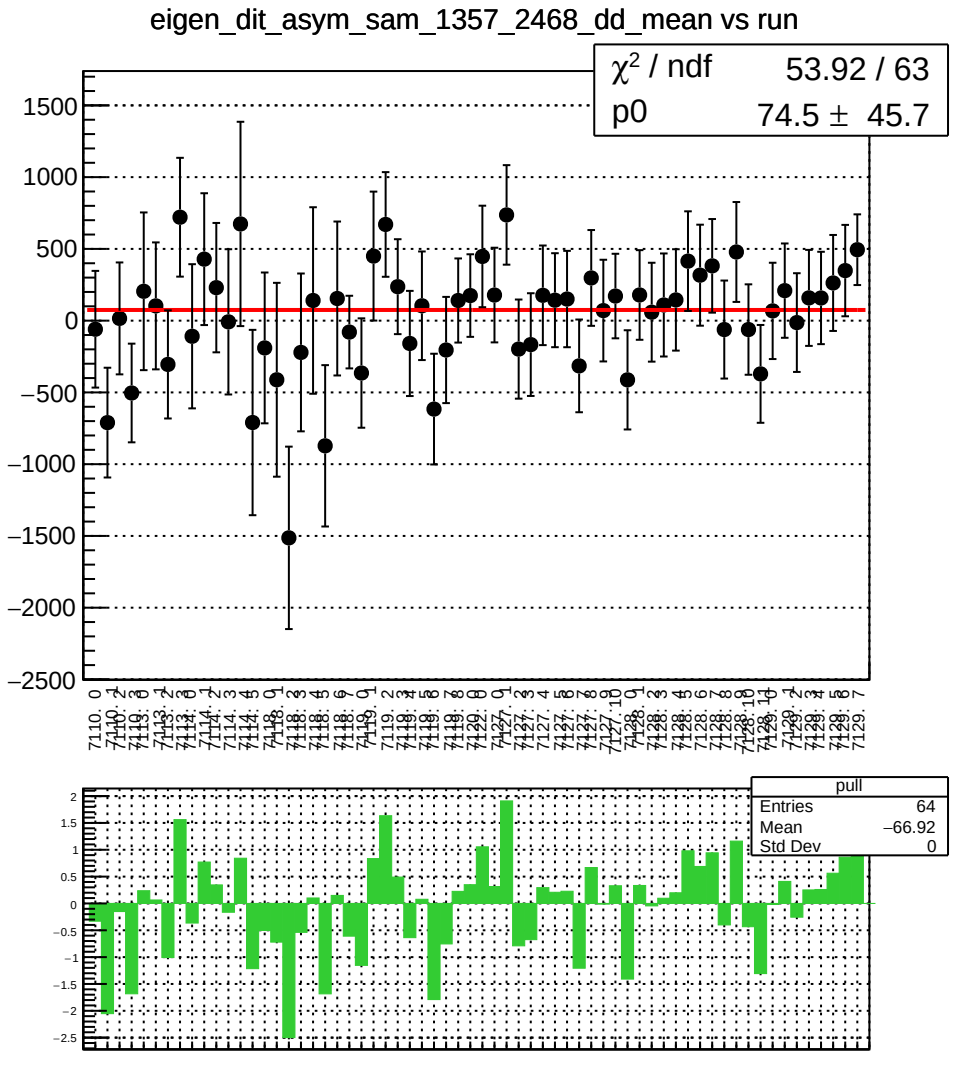

pull1D
Entries 64
Mean −0.05098
Std Dev 0.9165

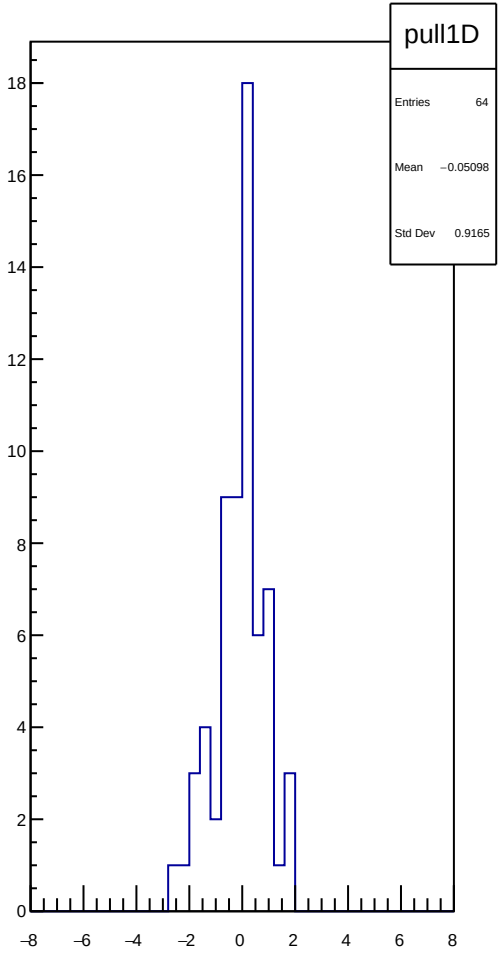

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 4.138e+04 / 63
p0 35.17 ± 0.03231
70
65
60
55
50
45
40
35
30

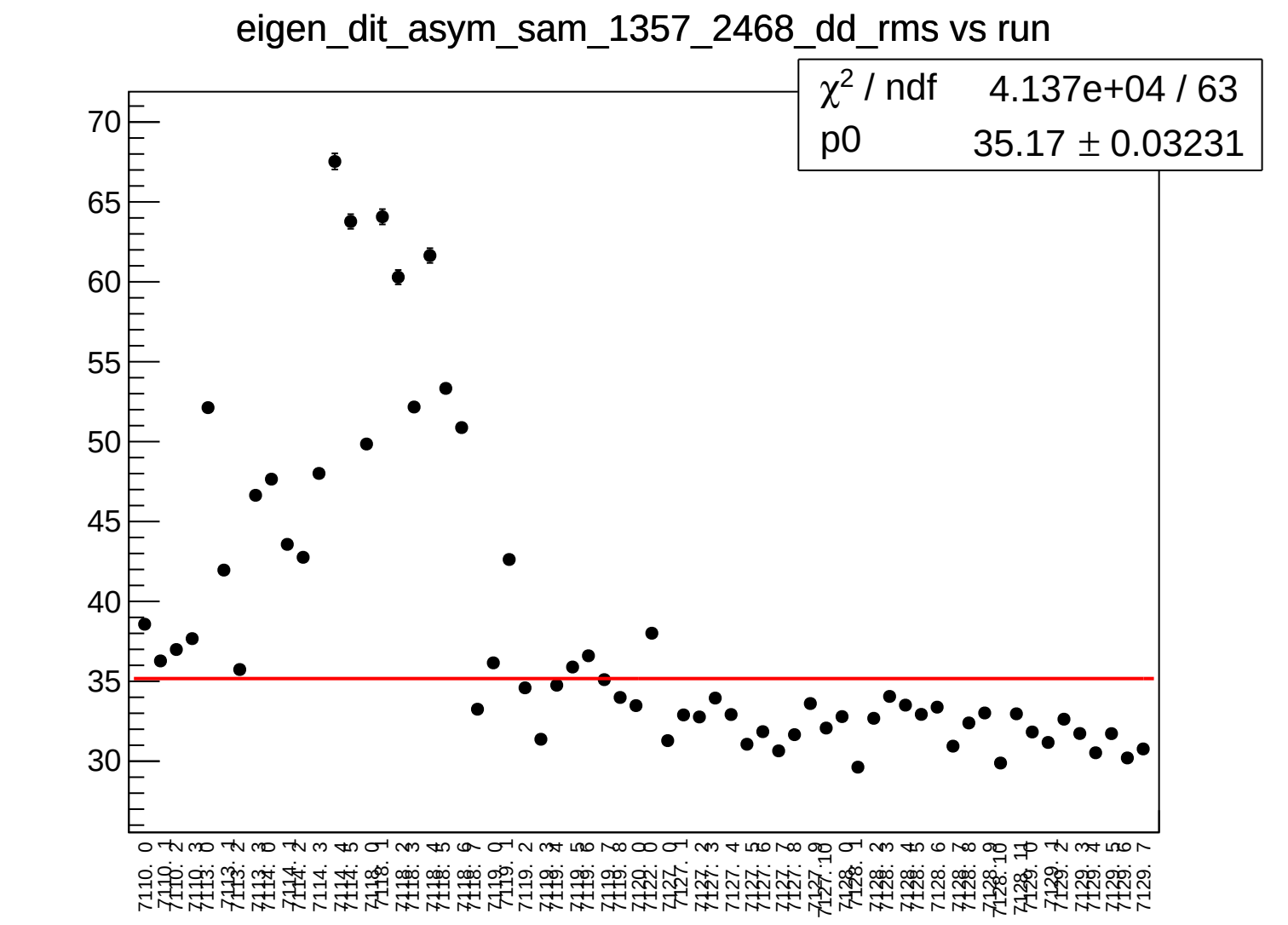

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 64.26 / 63
p0 455 ± 229.9
pull
Entries 64
Mean −1777
Std Dev 0

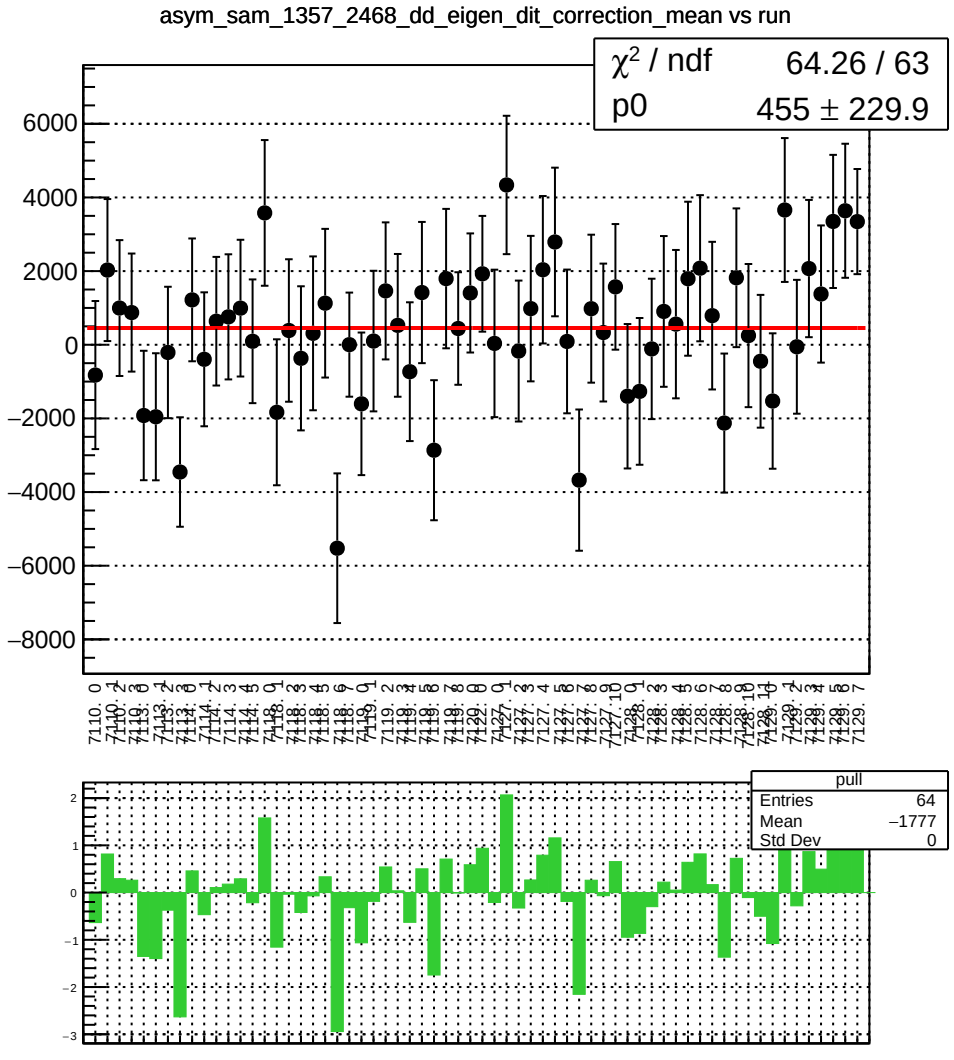

pull1D
Entries 64
Mean −0.003114
Std Dev 1.002

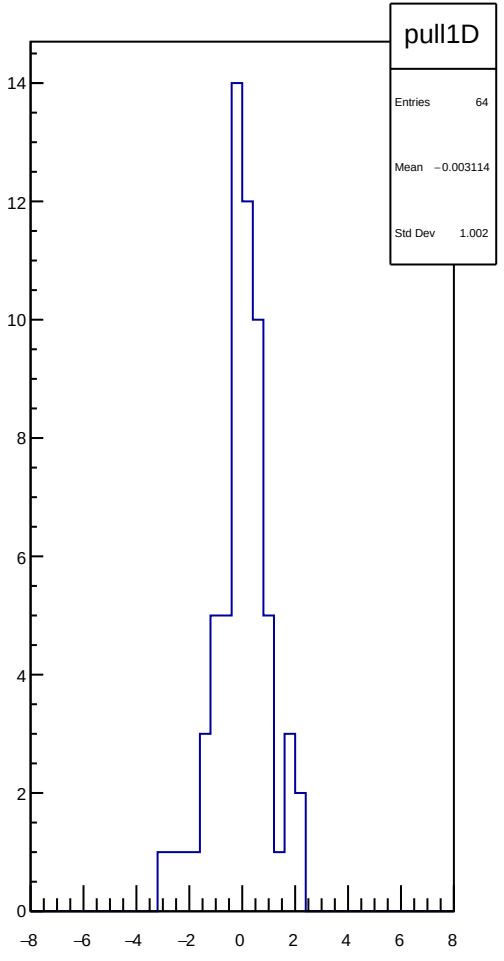

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3039 / 63
p0 179.8 ± 0.1625
200
190
180
170
160

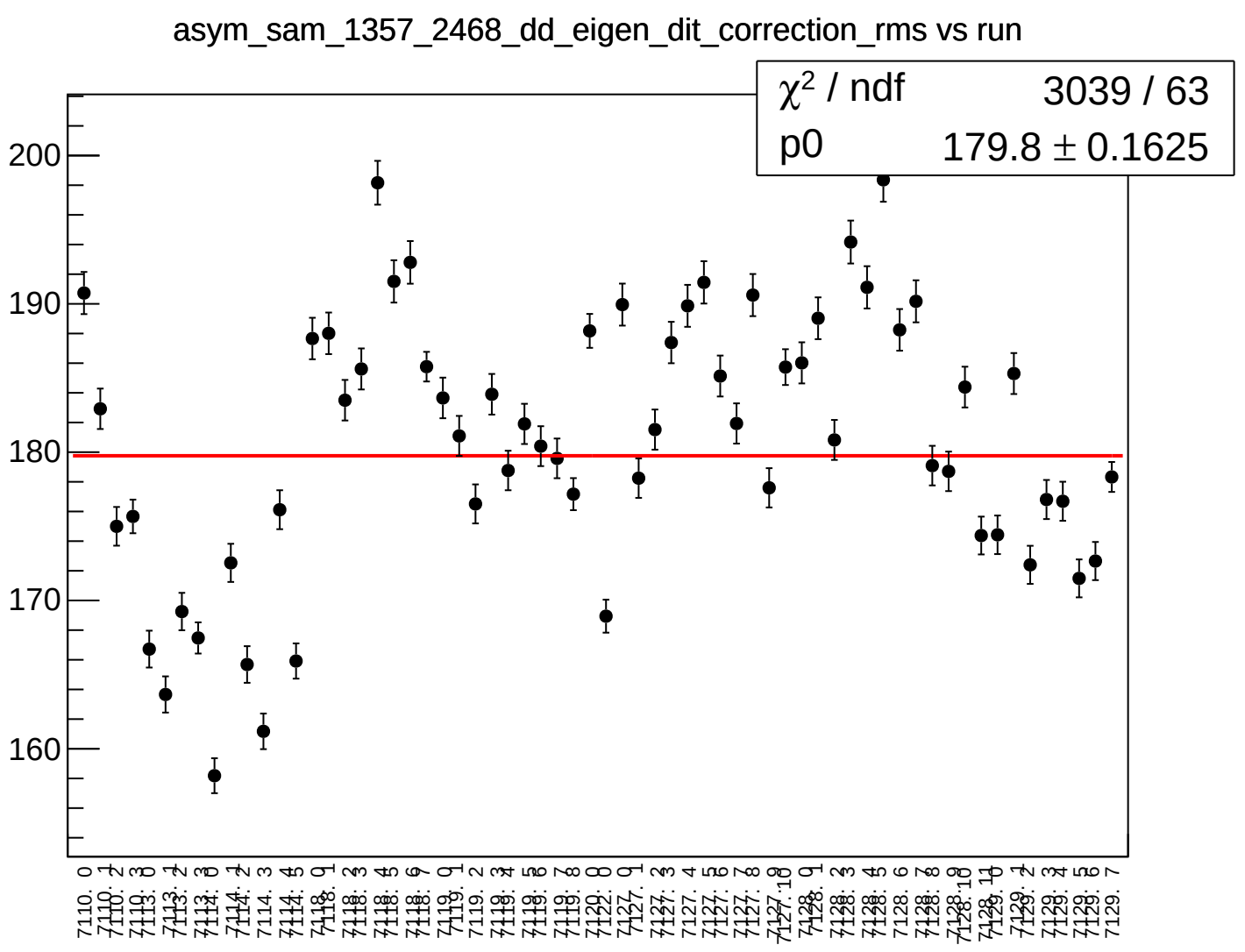

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 53.92 / 63
p0 74.5 ± 45.7
pull
Entries 64
Mean −66.92
Std Dev 0

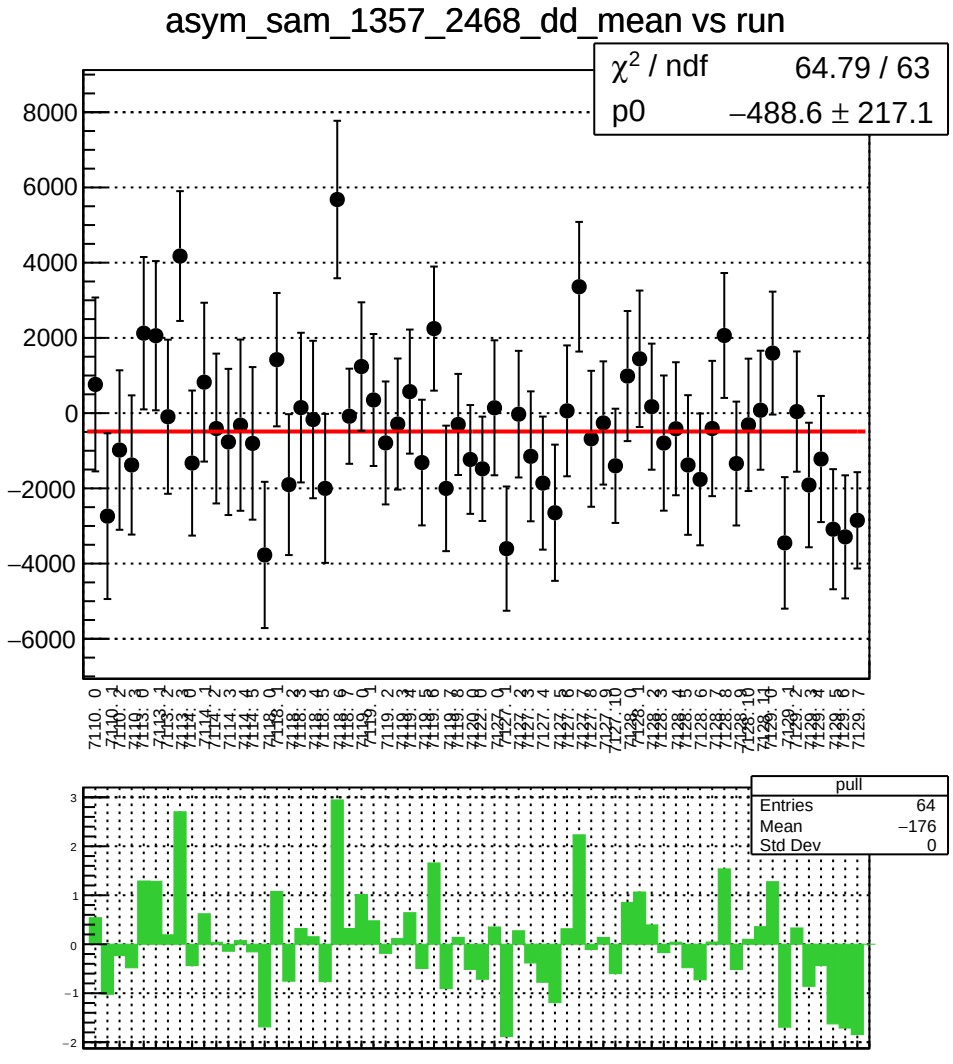

pull1D
Entries 64
Mean −0.05098
Std Dev 0.9165

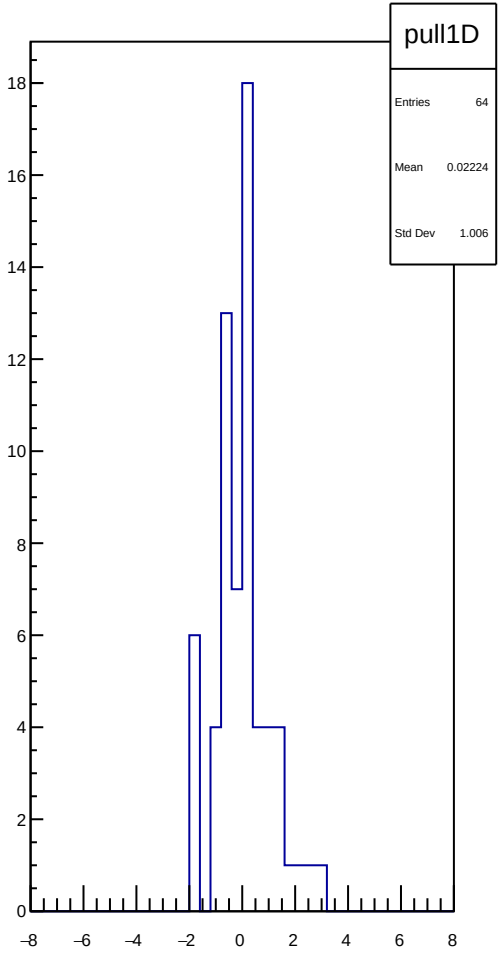

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 4.137e+04 / 63
p0 35.17 ± 0.03231
70
65
60
55
50
45
40
35
30

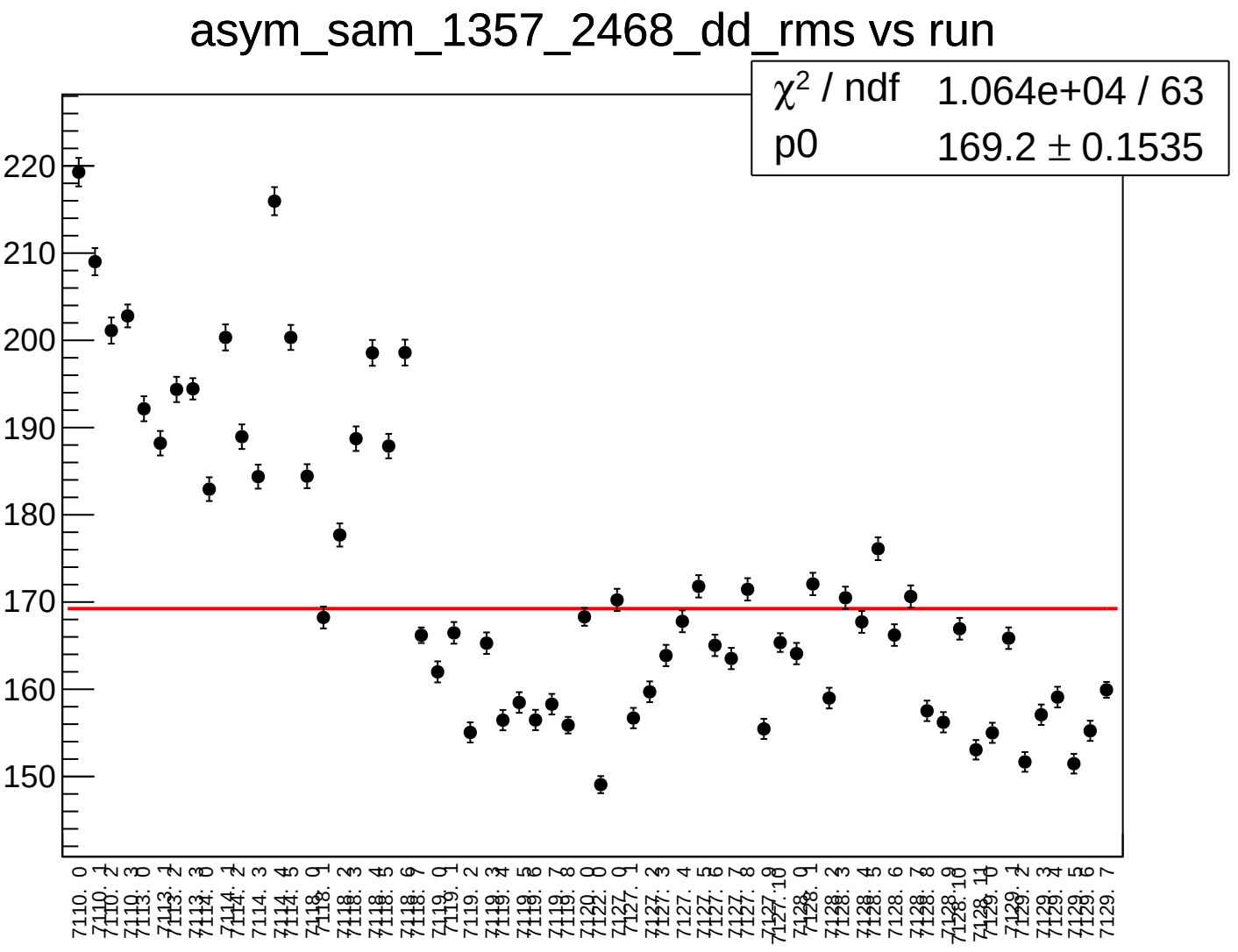

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 64.26 / 63
p0 455 ± 229.9
pull
Entries 64
Mean −1777
Std Dev 0

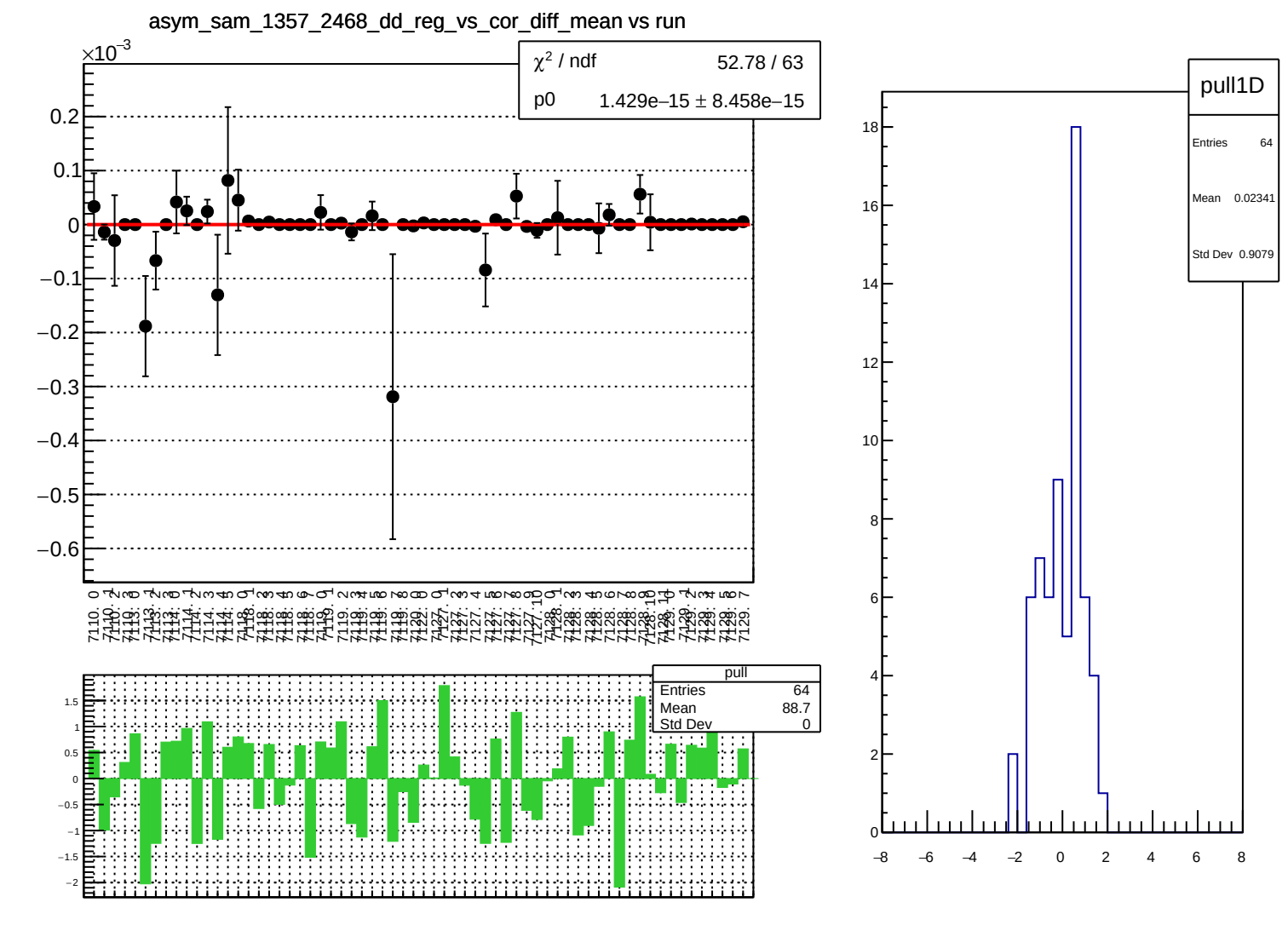

pull1D
Entries 64
Mean −0.003114
Std Dev 1.002

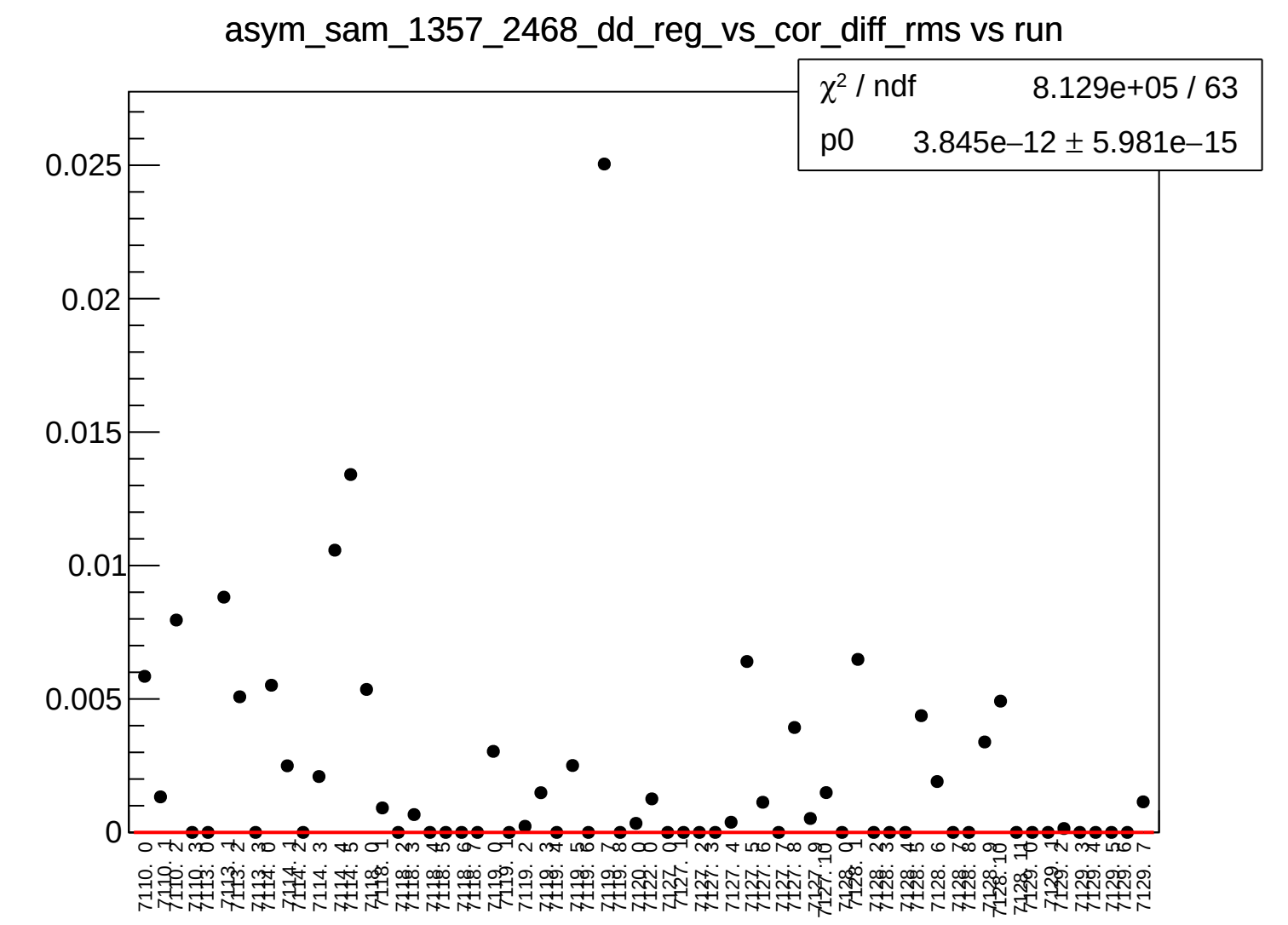

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3039 / 63
p0 179.8 ± 0.1625
200
190
180
170
160

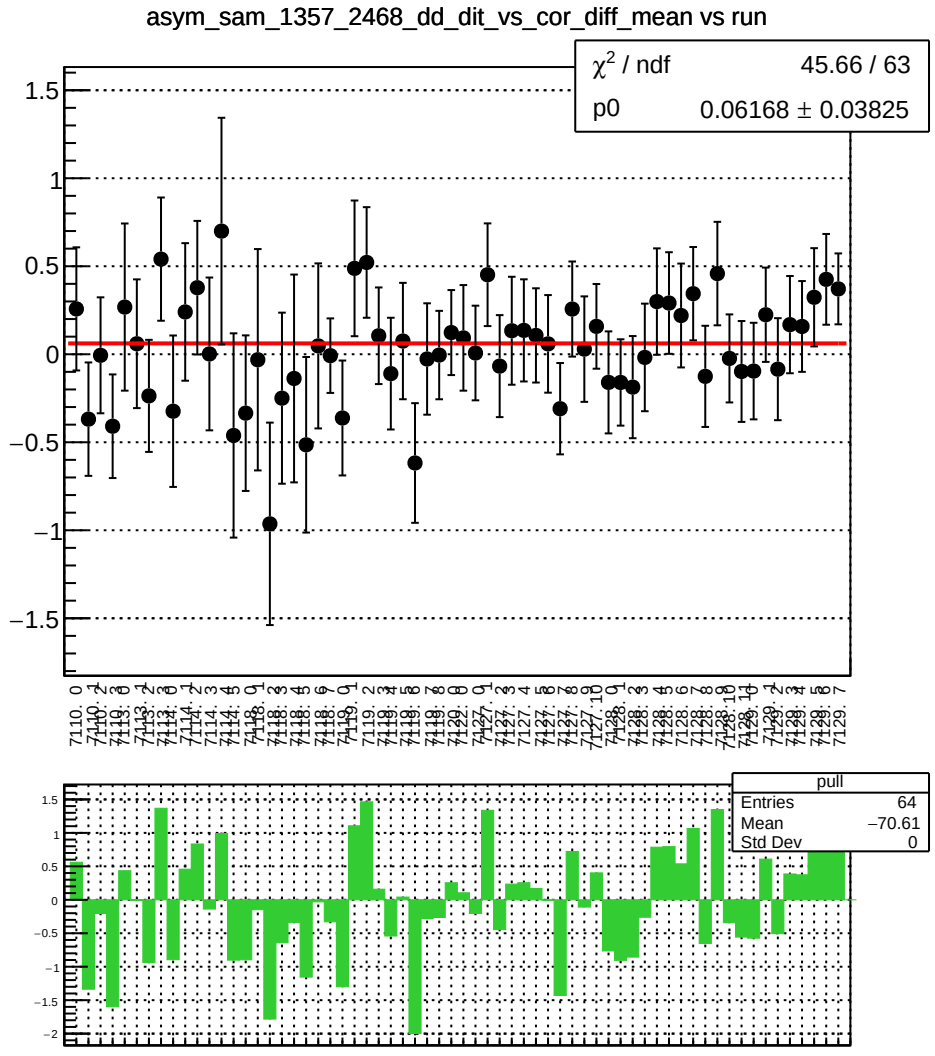

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.79 / 63
p0 −488.6 ± 217.1
pull
Entries 64
Mean −176
Std Dev 0

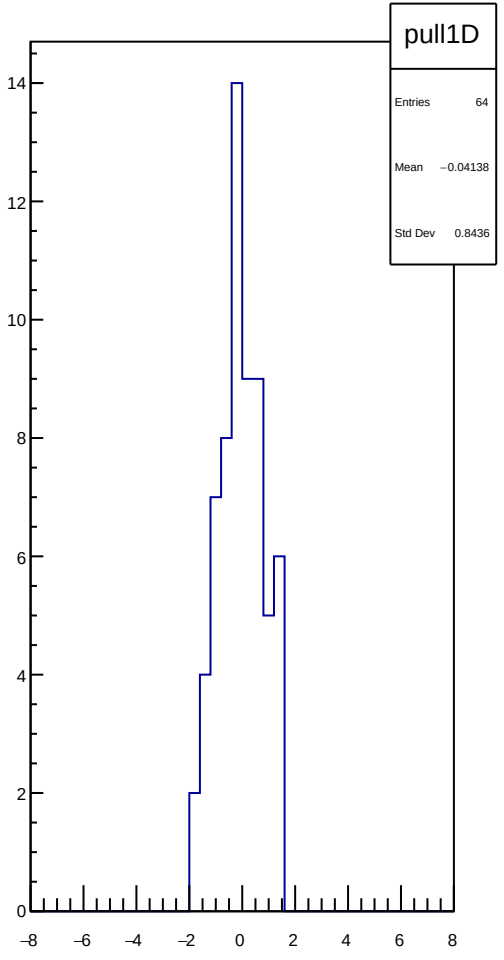

pull1D
Entries 64
Mean 0.02224
Std Dev 1.006

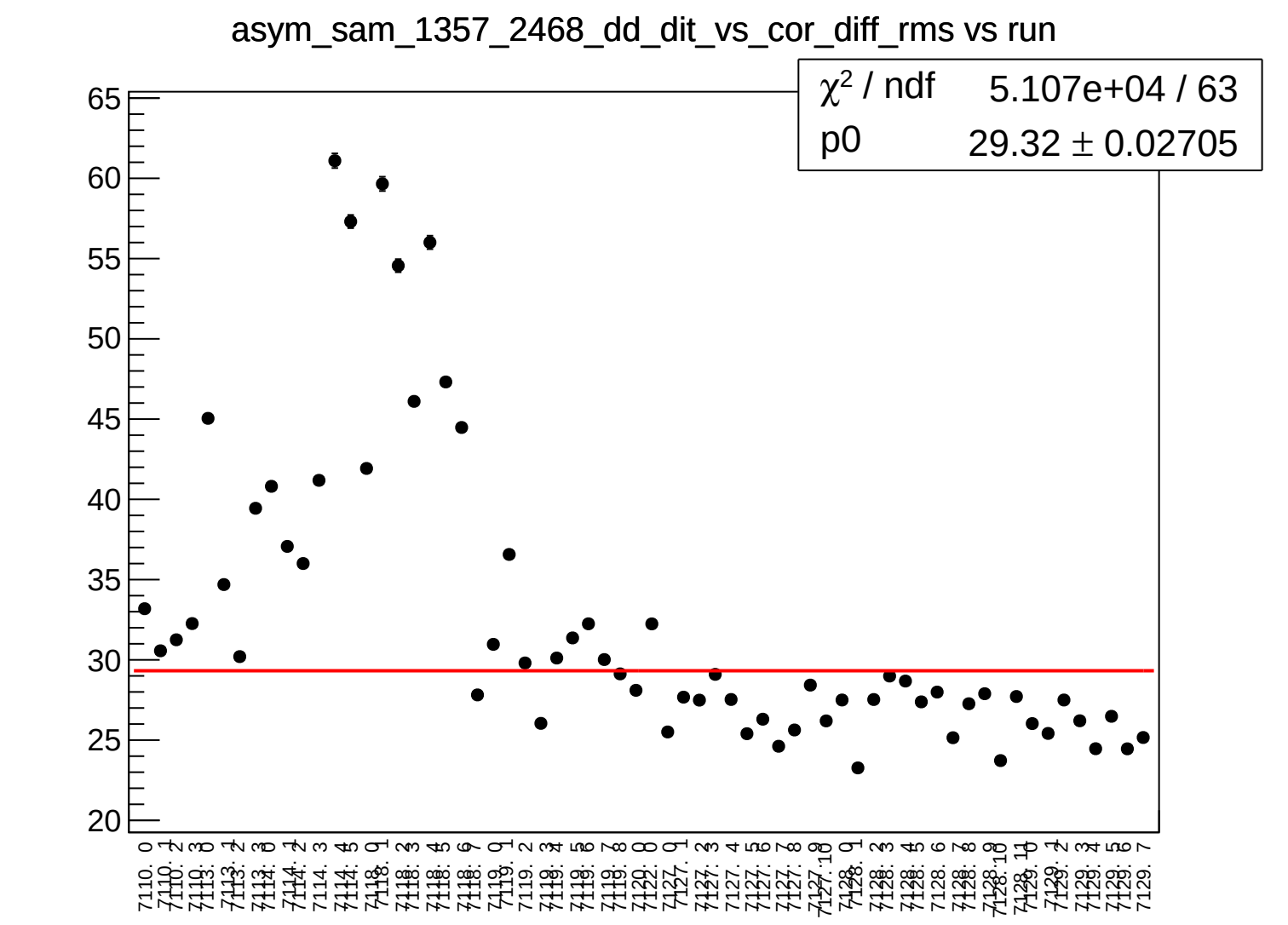

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.064e+04 / 63
p0 169.2 ± 0.1535
220
210
200
190
180
170
160
150

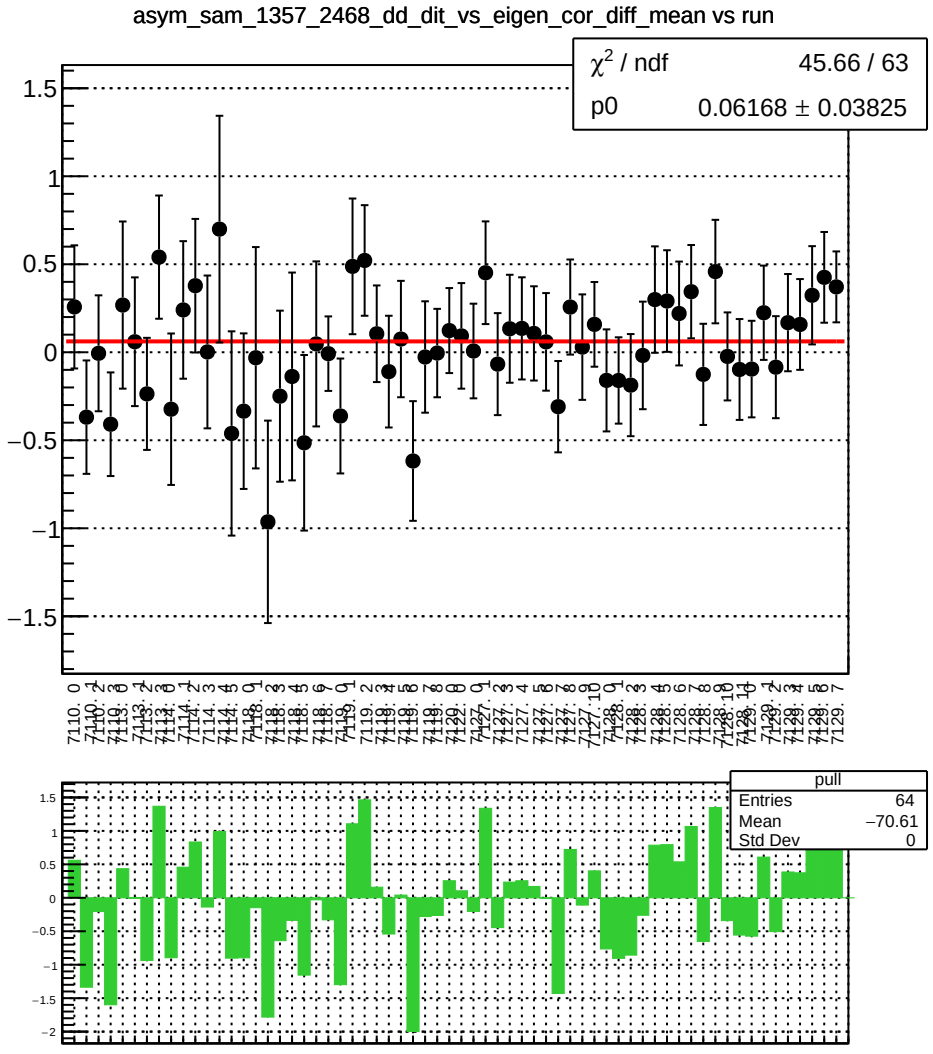

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 52.78 / 63
p0 1.429e−15 ± 8.458e−15
pull
Entries 64
Mean 88.7
Std Dev 0
pull1D
Entries 64
Mean 0.02341
Std Dev 0.9079

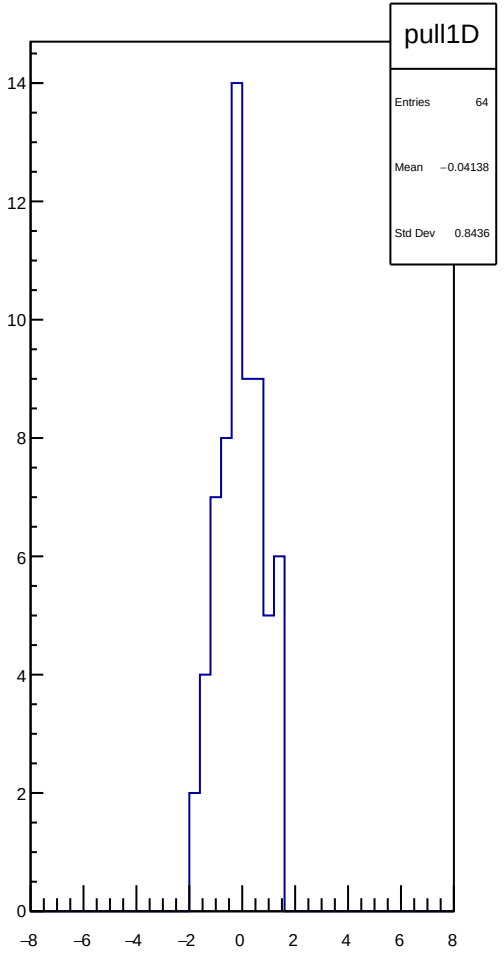

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.129e+05 / 63
p0 3.845e−12 ± 5.981e−15
0.025
0.02
0.015
0.01
0.005
0

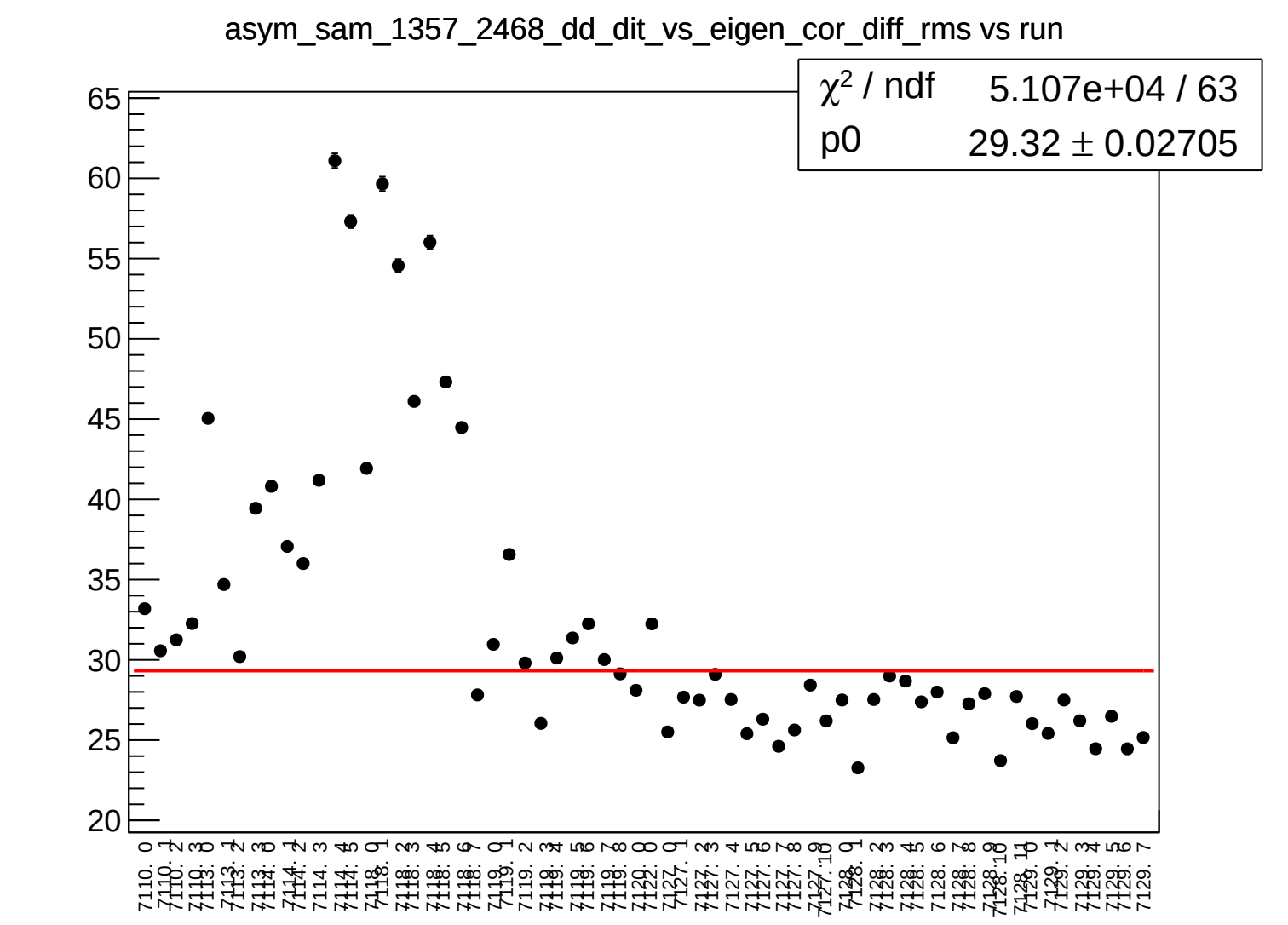

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.66 / 63
p0 0.06168 ± 0.03825
pull
Entries 64
Mean −70.61
Std Dev 0

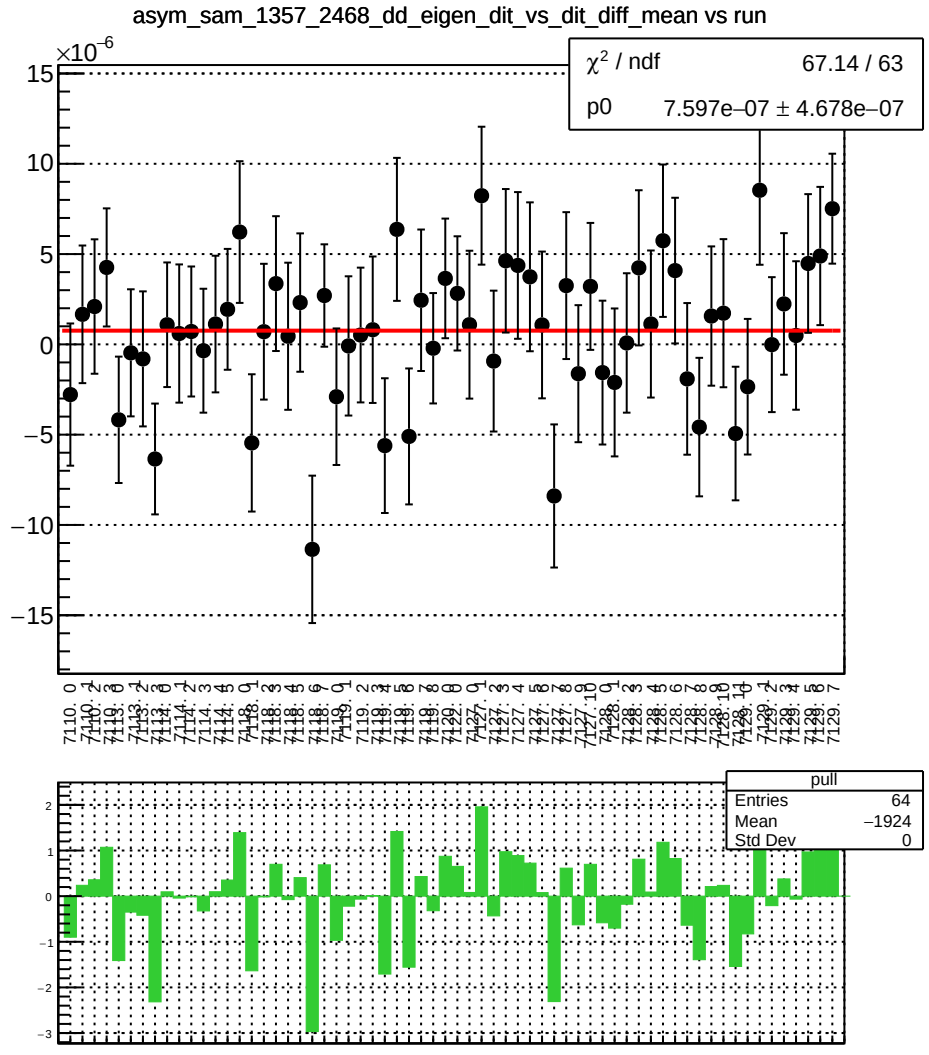

pull1D
Entries 64
Mean −0.04138
Std Dev 0.8436

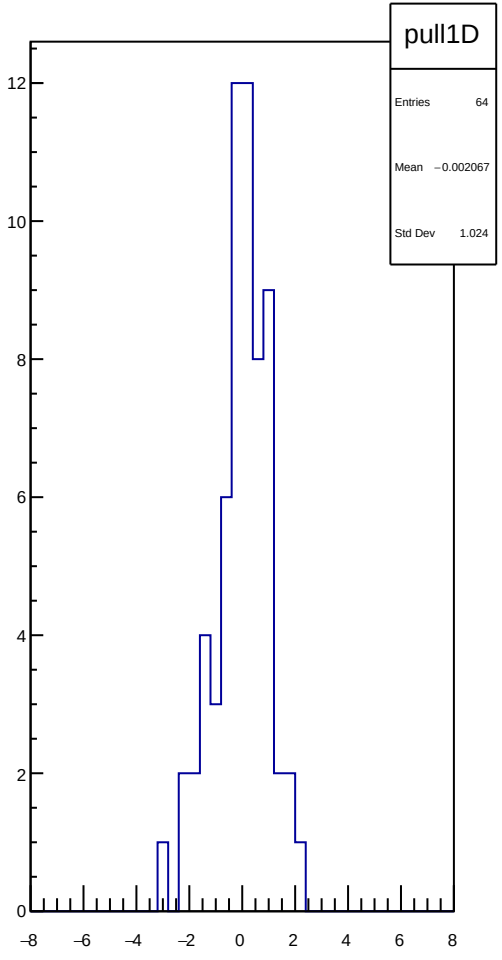

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.107e+04 / 63
p0 29.32 ± 0.02705
65
60
55
50
45
40
35
30
25
20

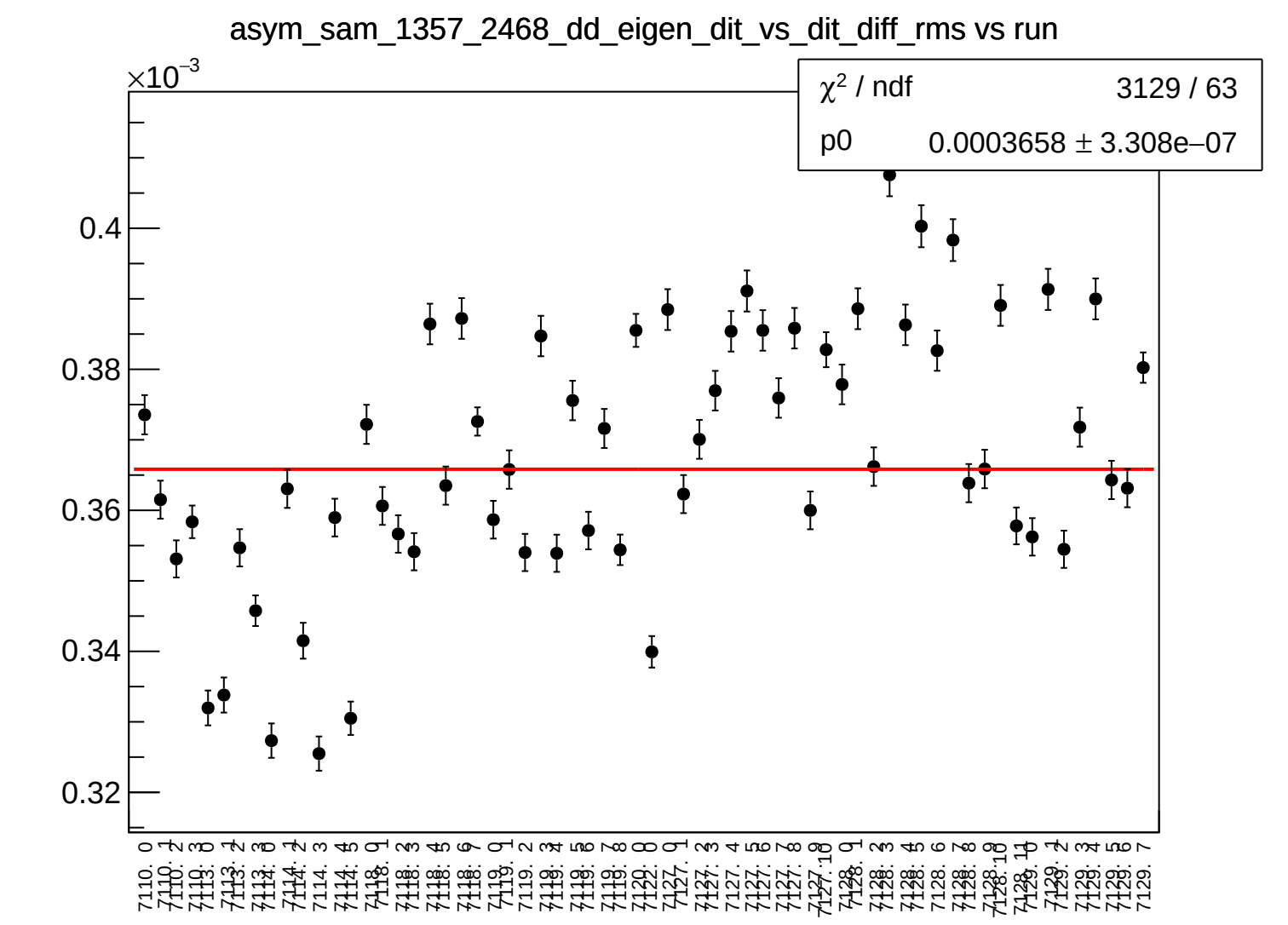

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.66 / 63
p0 0.06168 ± 0.03825
pull
Entries 64
Mean −70.61
Std Dev 0

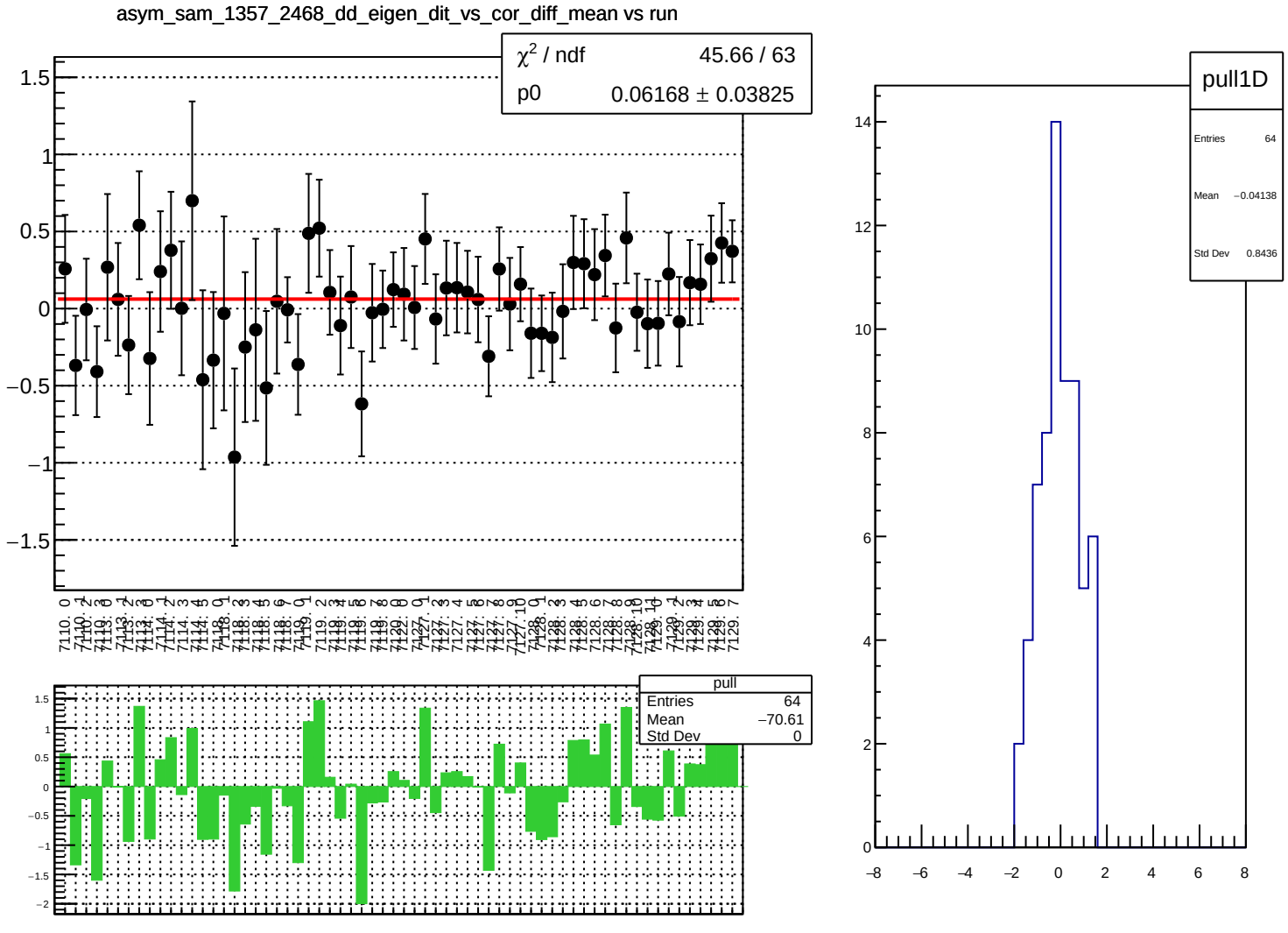

pull1D
Entries 64
Mean −0.04138
Std Dev 0.8436

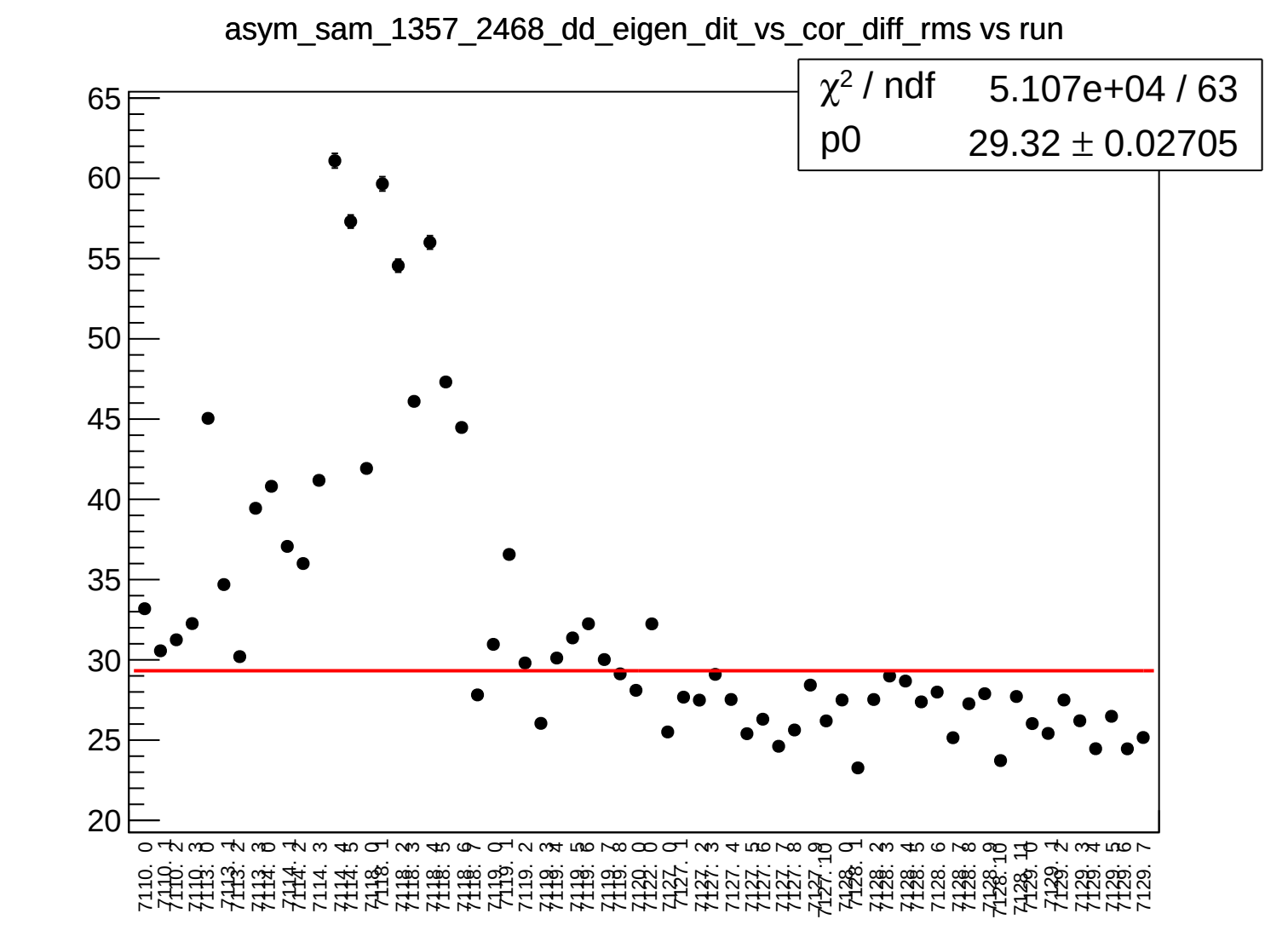

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.107e+04 / 63
p0 29.32 ± 0.02705
65
60
55
50
45
40
35
30
25
20

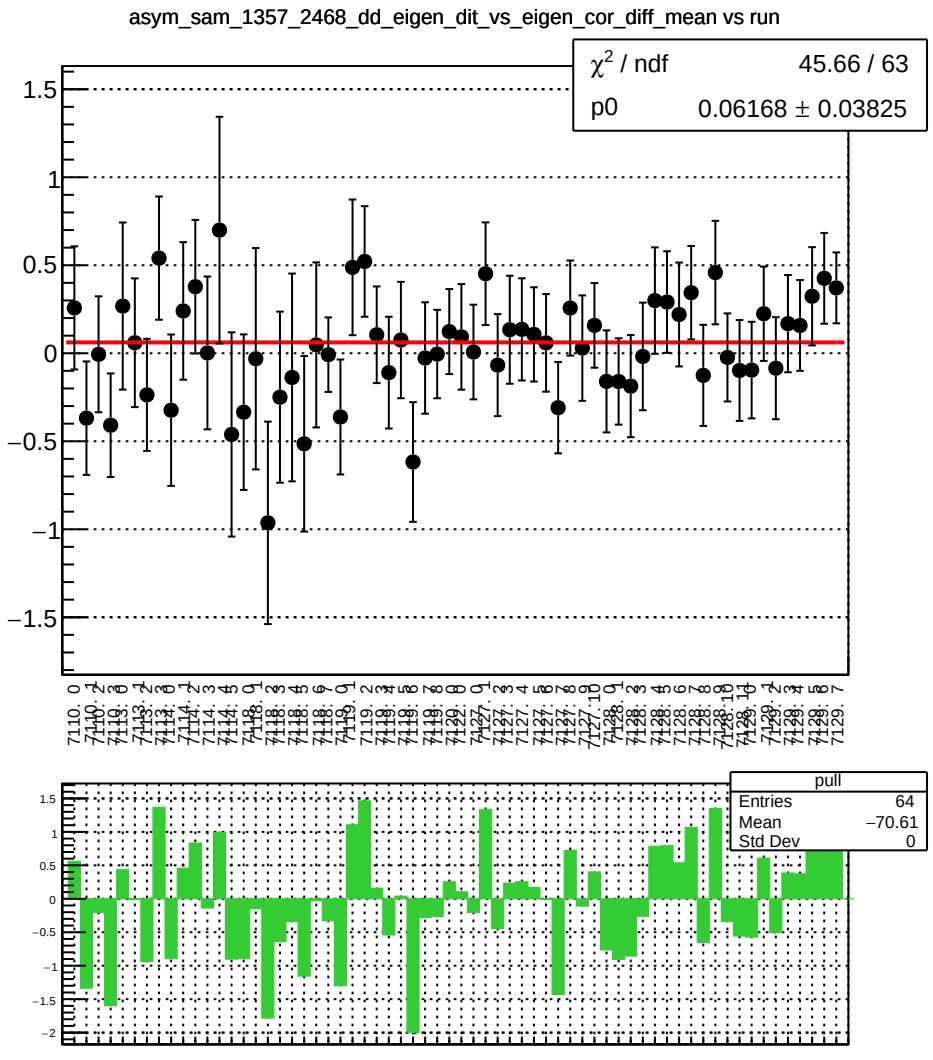

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 67.14 / 63
p0 7.597e−07 ± 4.678e−07
pull
Entries 64
Mean −1924
Std Dev 0

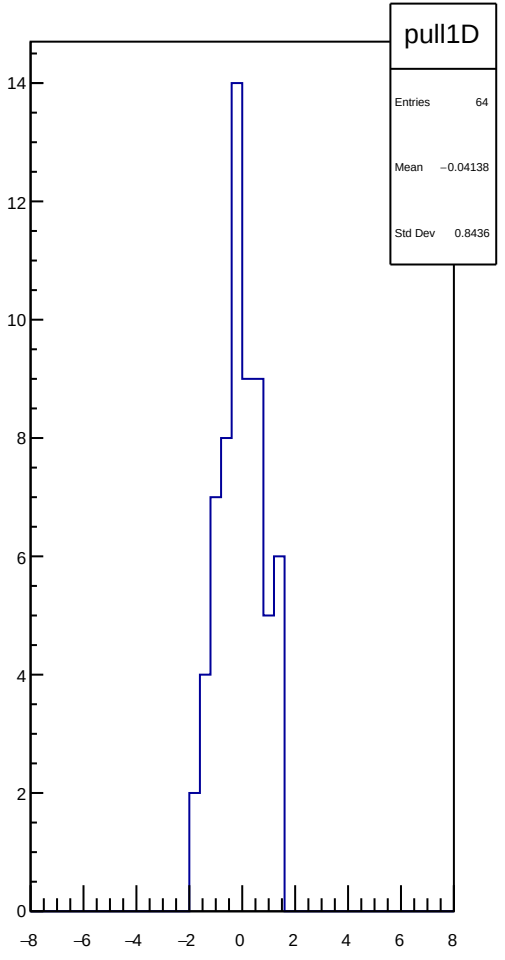

pull1D
Entries 64
Mean −0.002067
Std Dev 1.024

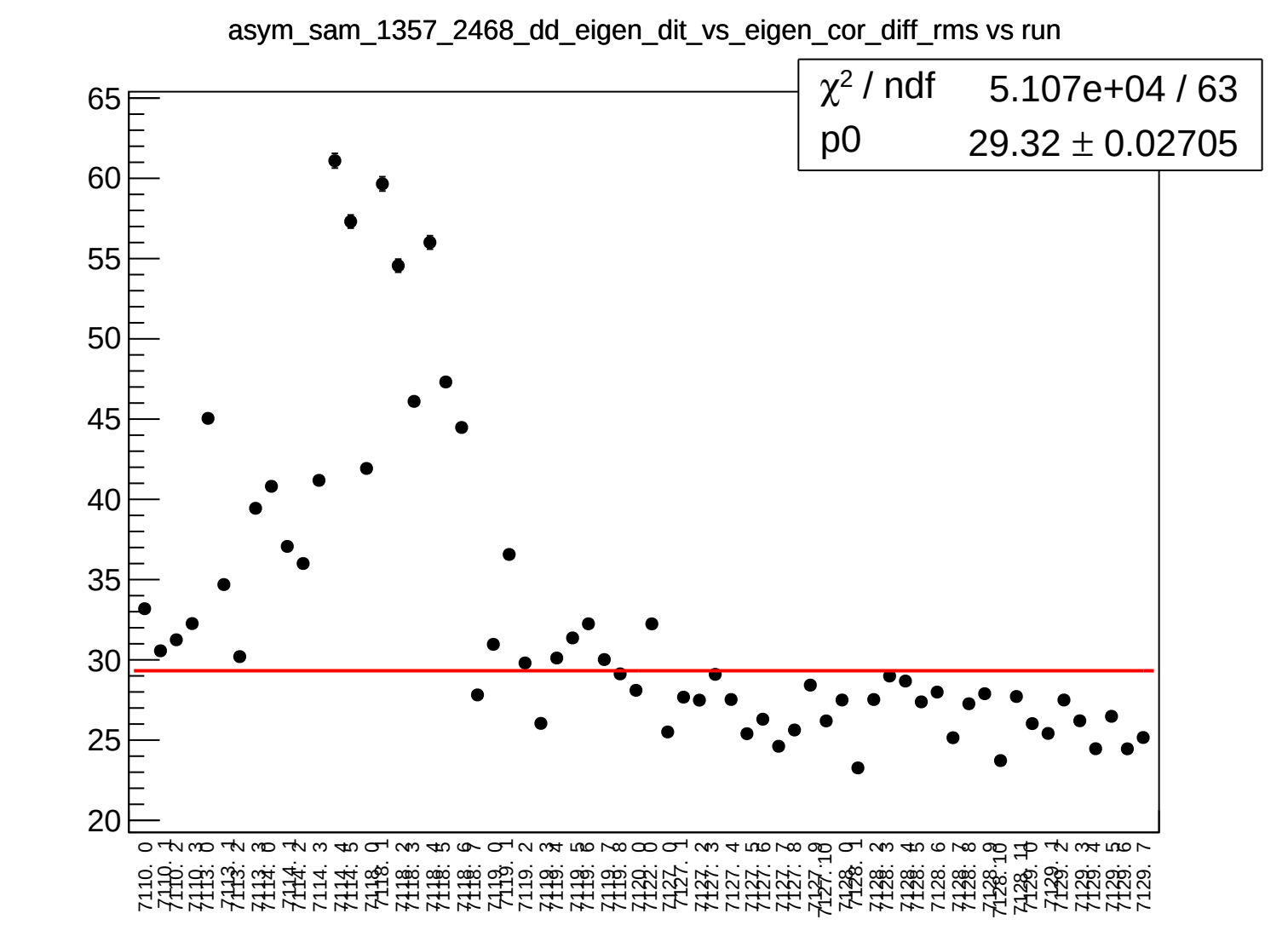

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3129 / 63
p0 0.0003658 ± 3.308e−07
0.4
0.38
0.36
0.34
0.32

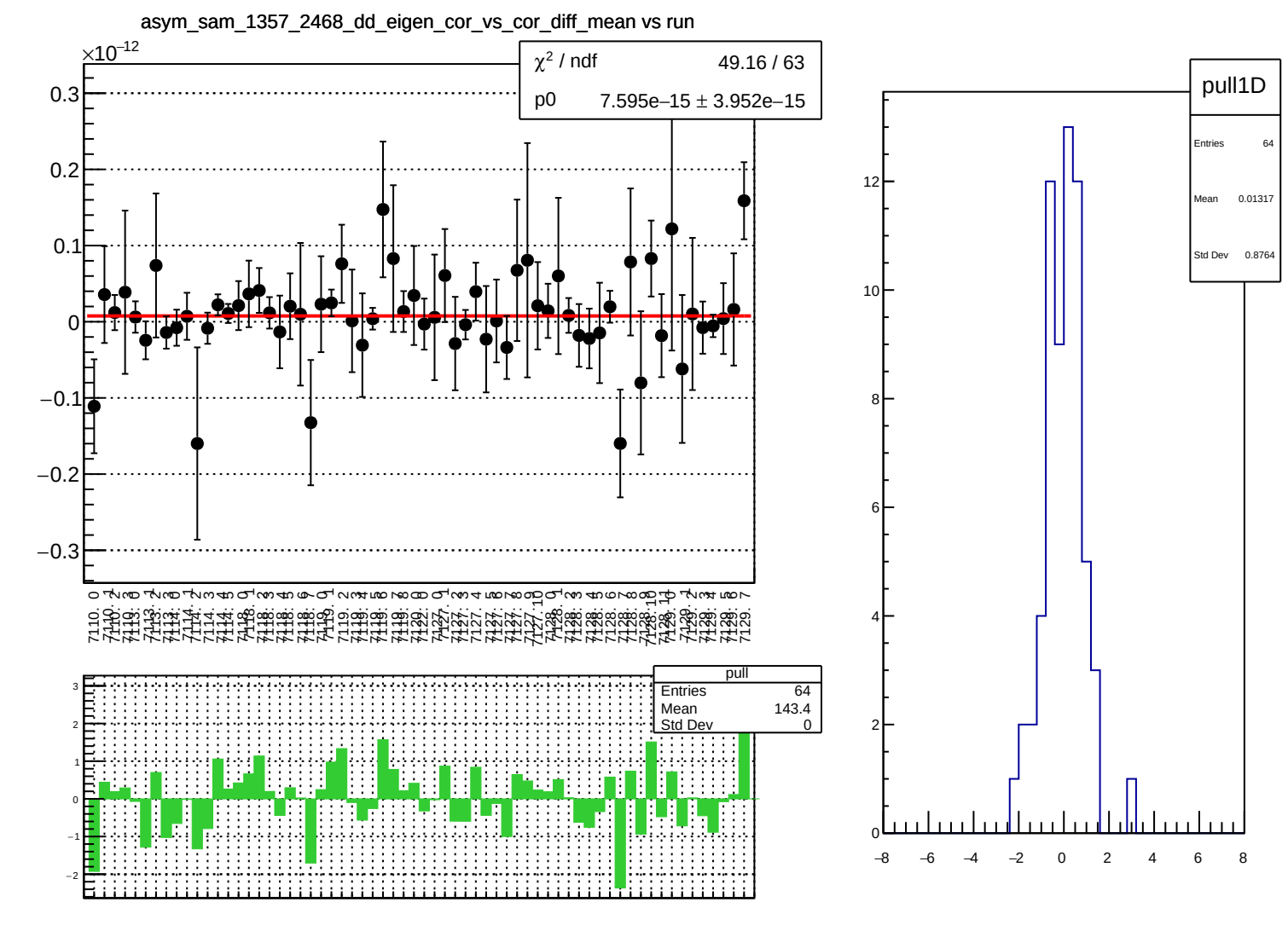

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.66 / 63
p0 0.06168 ± 0.03825
pull
Entries 64
Mean −70.61
Std Dev 0
pull1D
Entries 64
Mean −0.04138
Std Dev 0.8436

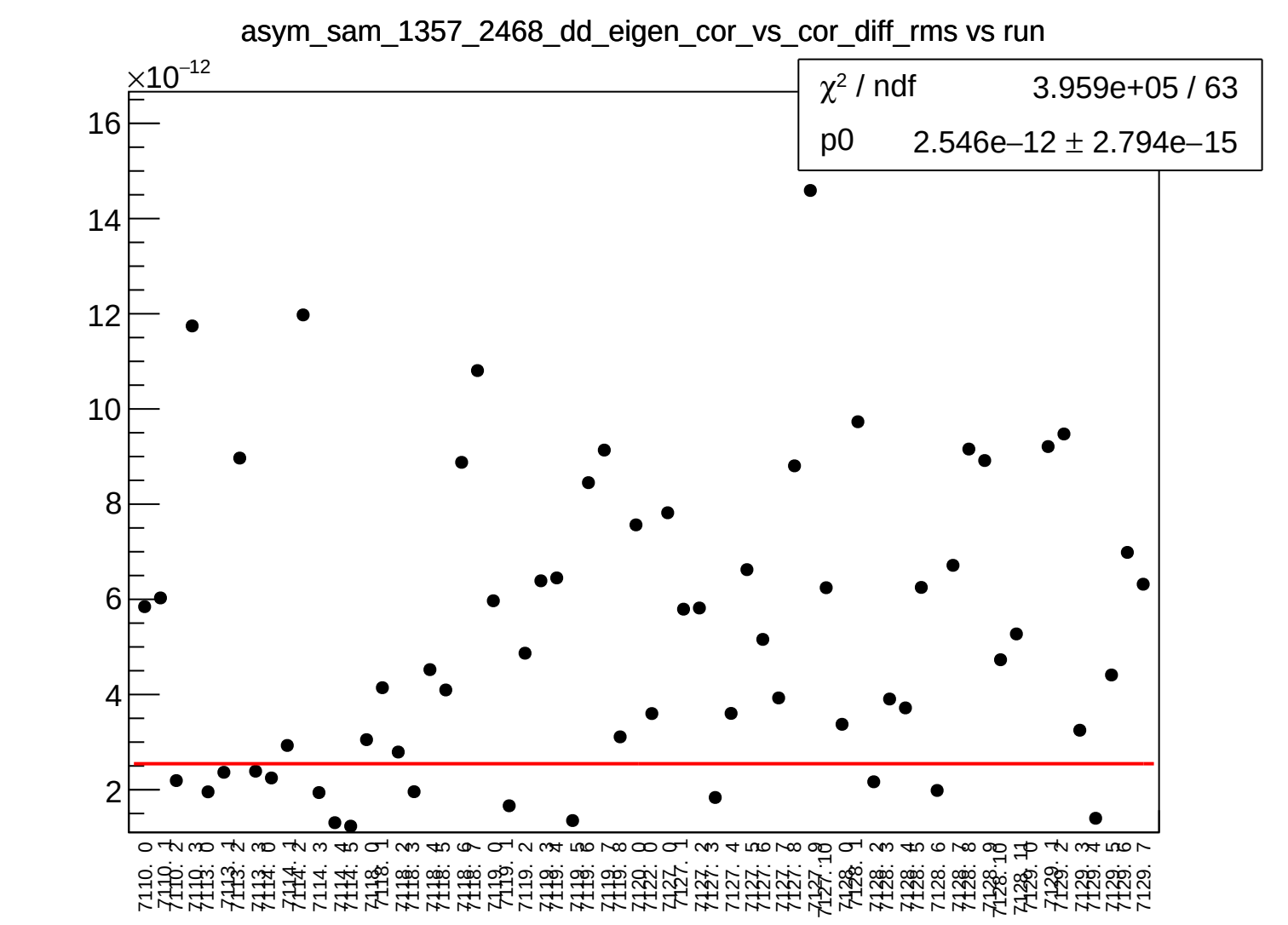

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.107e+04 / 63
p0 29.32 ± 0.02705
65
60
55
50
45
40
35
30
25
20

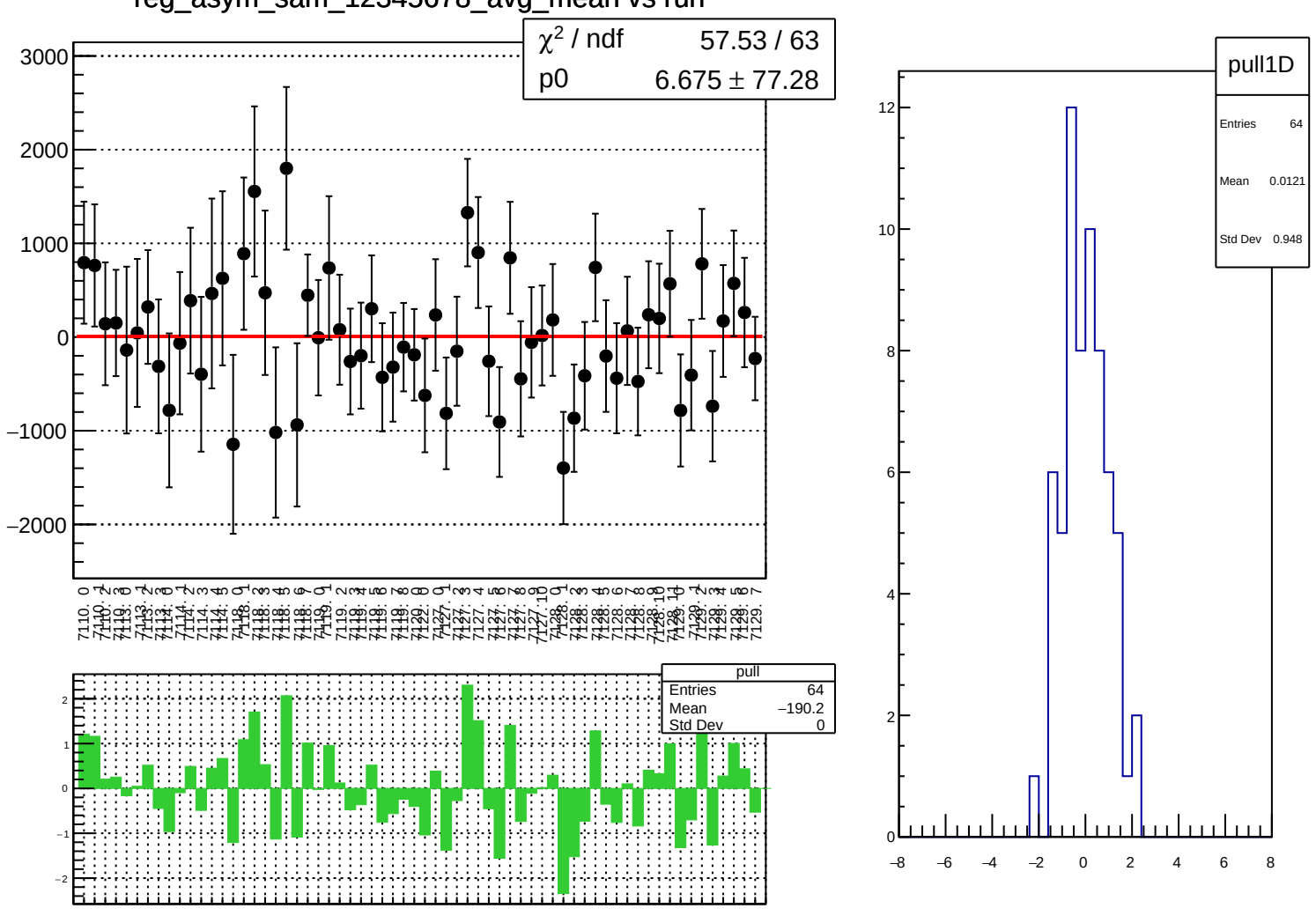

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.66 / 63
p0 0.06168 ± 0.03825
pull
Entries 64
Mean −70.61
Std Dev 0

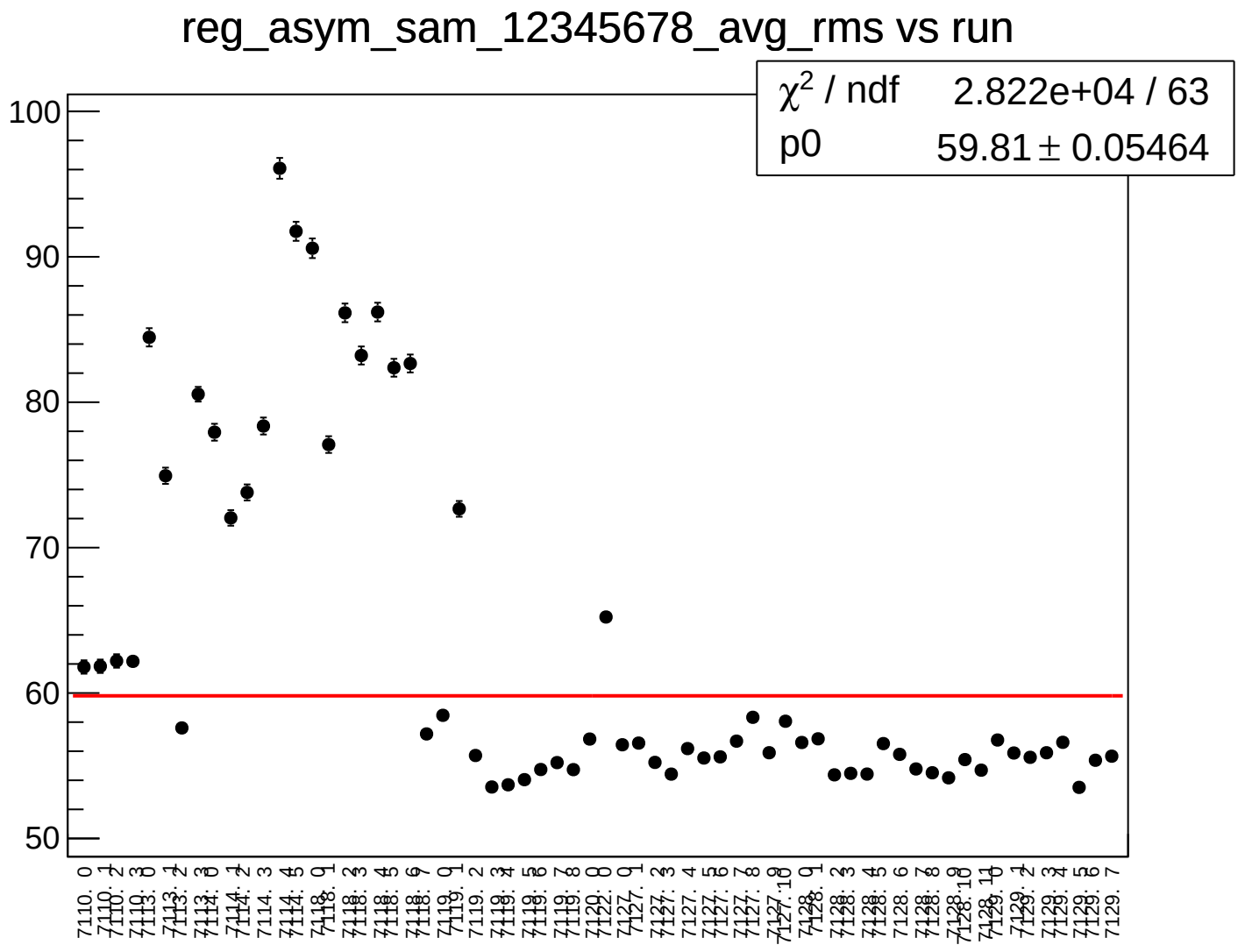

pull1D
Entries 64
Mean −0.04138
Std Dev 0.8436

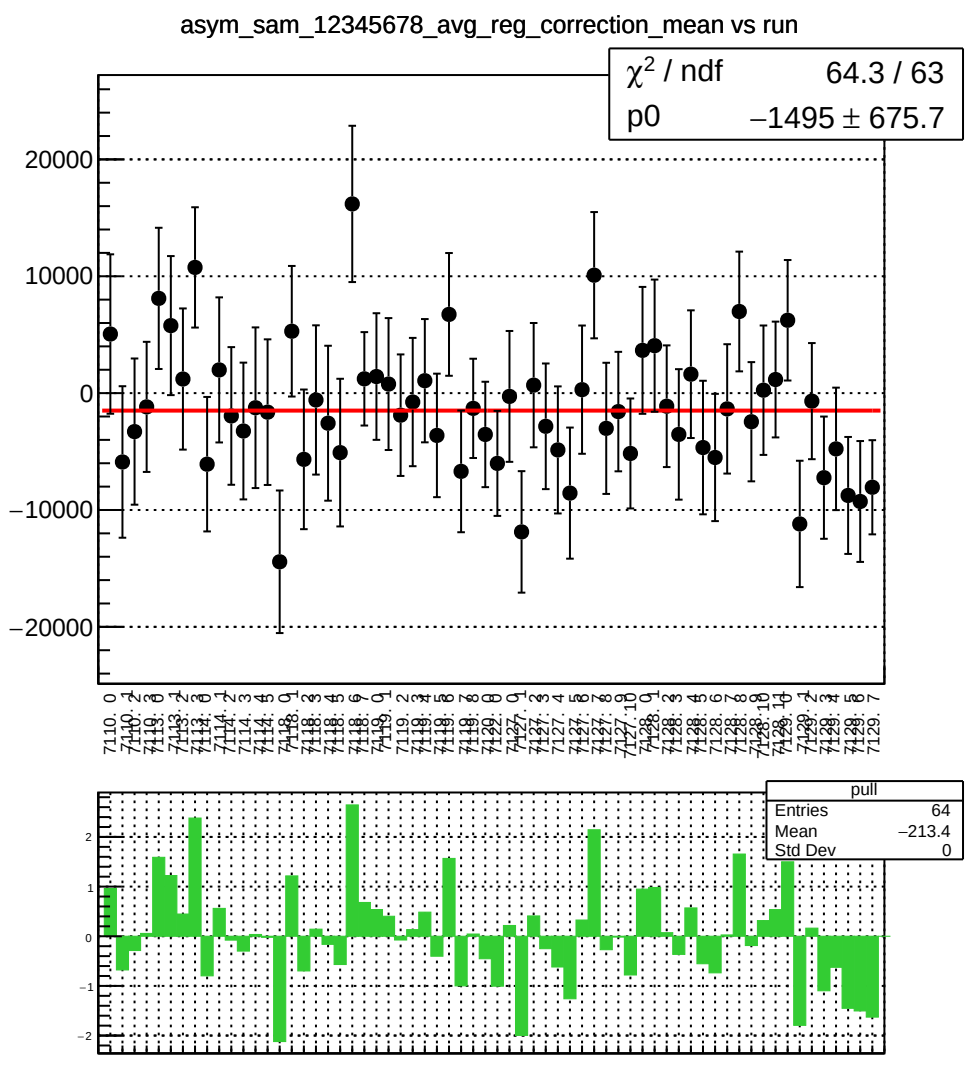

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.107e+04 / 63
p0 29.32 ± 0.02705
65
60
55
50
45
40
35
30
25
20

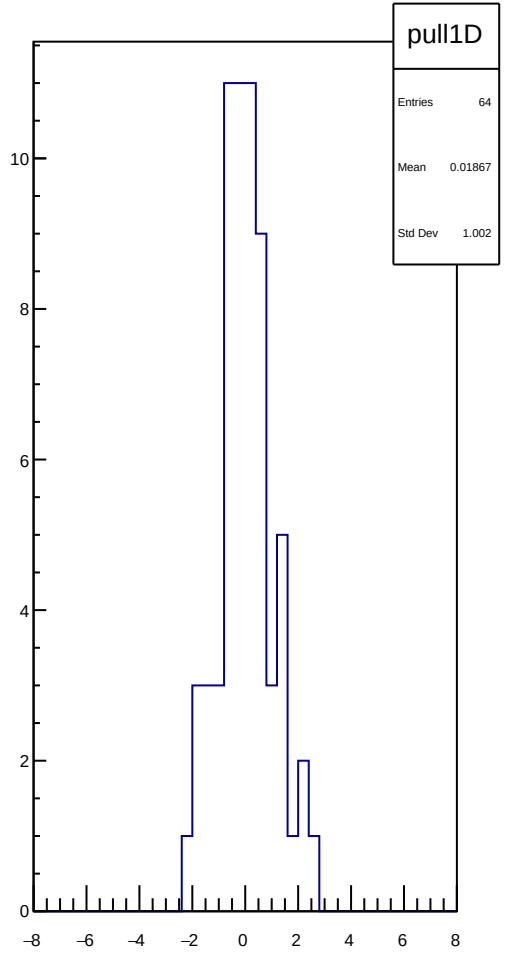

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.16 / 63
p0 7.595e−15 ± 3.952e−15
pull
Entries 64
Mean 143.4
Std Dev 0
pull1D
Entries 64
Mean 0.01317
Std Dev 0.8764

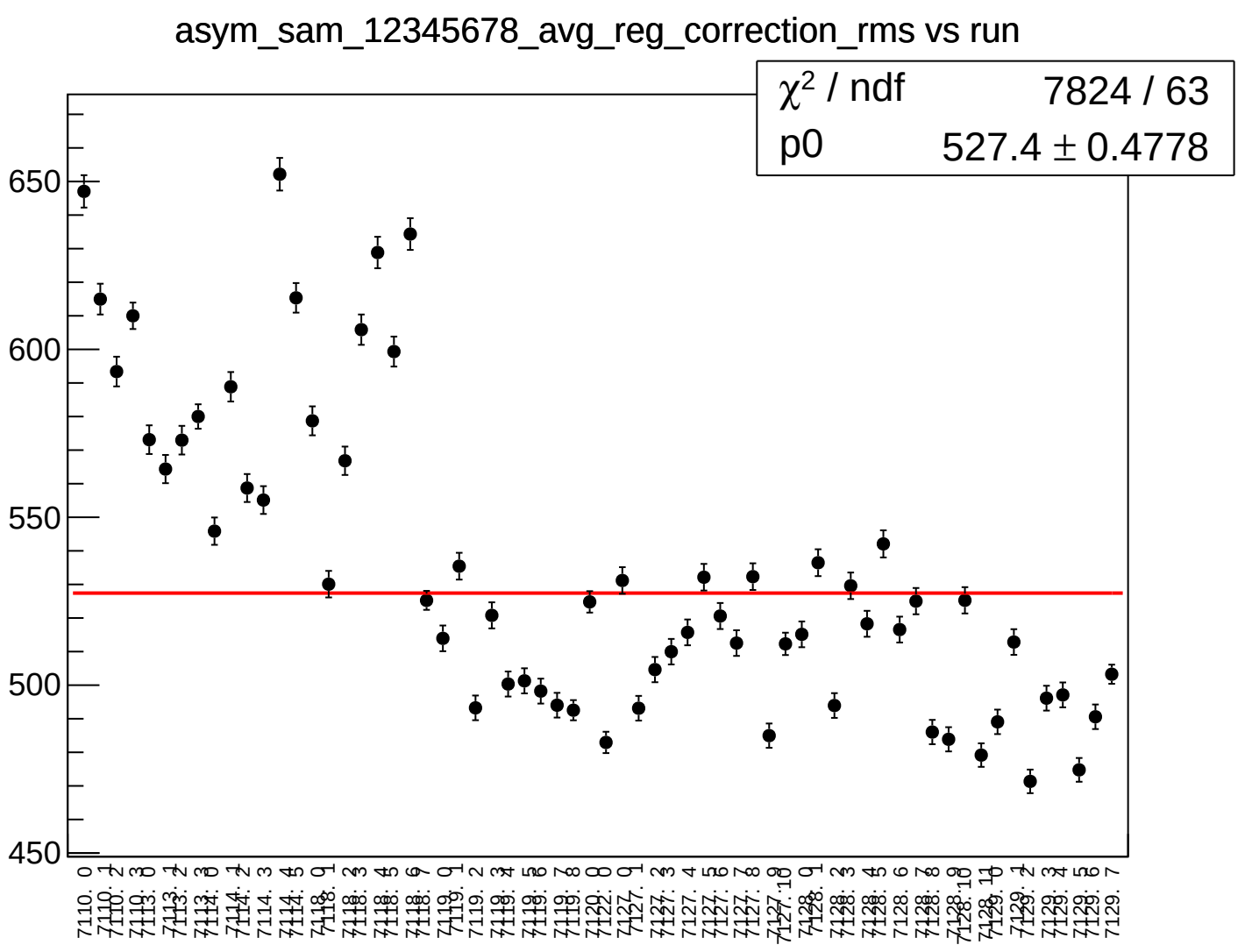

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.959e+05 / 63
p0 2.546e−12 ± 2.794e−15
16
14
12
10
8
6
4
2

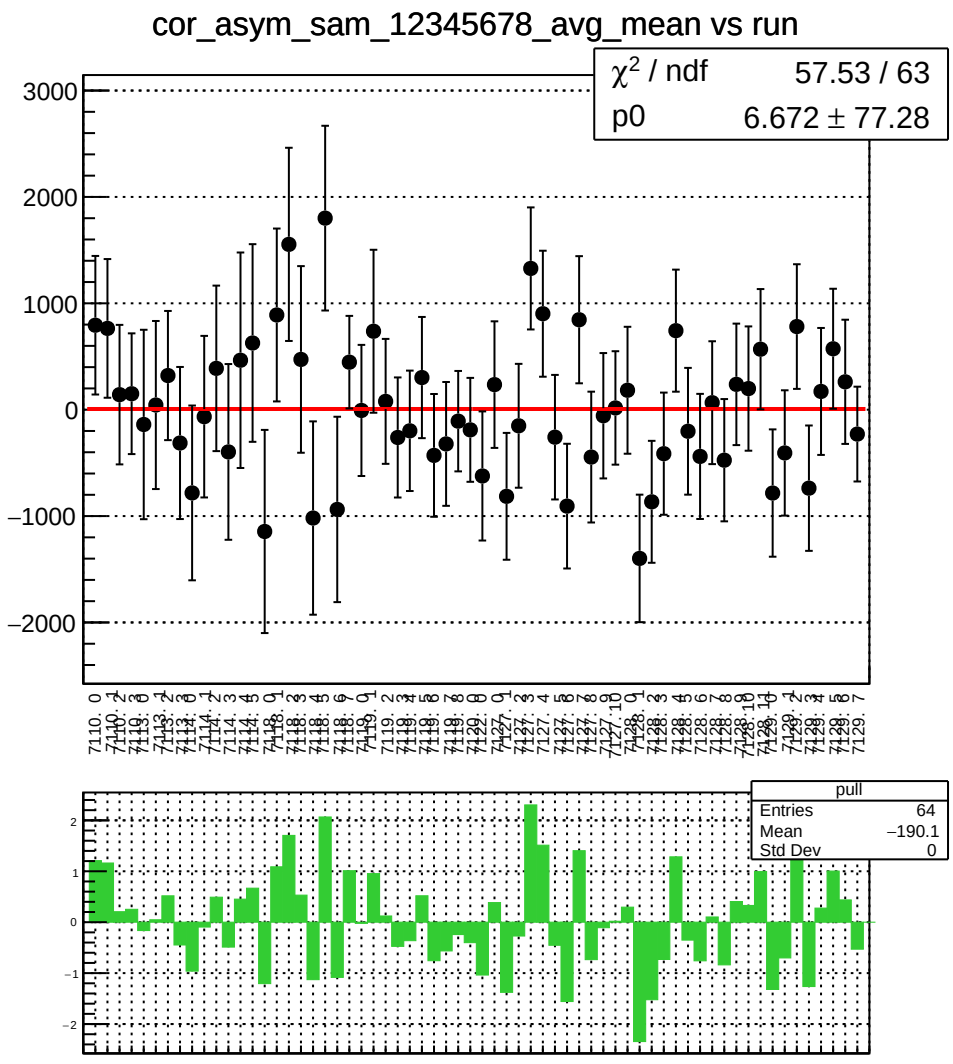

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 57.53 / 63
p0 6.675 ± 77.28
pull
Entries 64
Mean −190.2
Std Dev 0
pull1D
Entries 64
Mean 0.0121
Std Dev 0.948

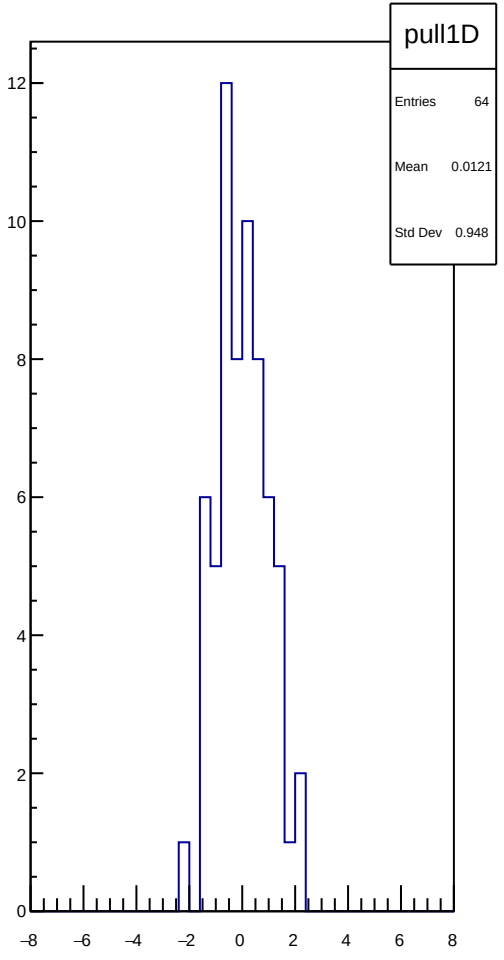

reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.822e+04 / 63
p0 59.81 ± 0.05464
100
90
80
70
60
50

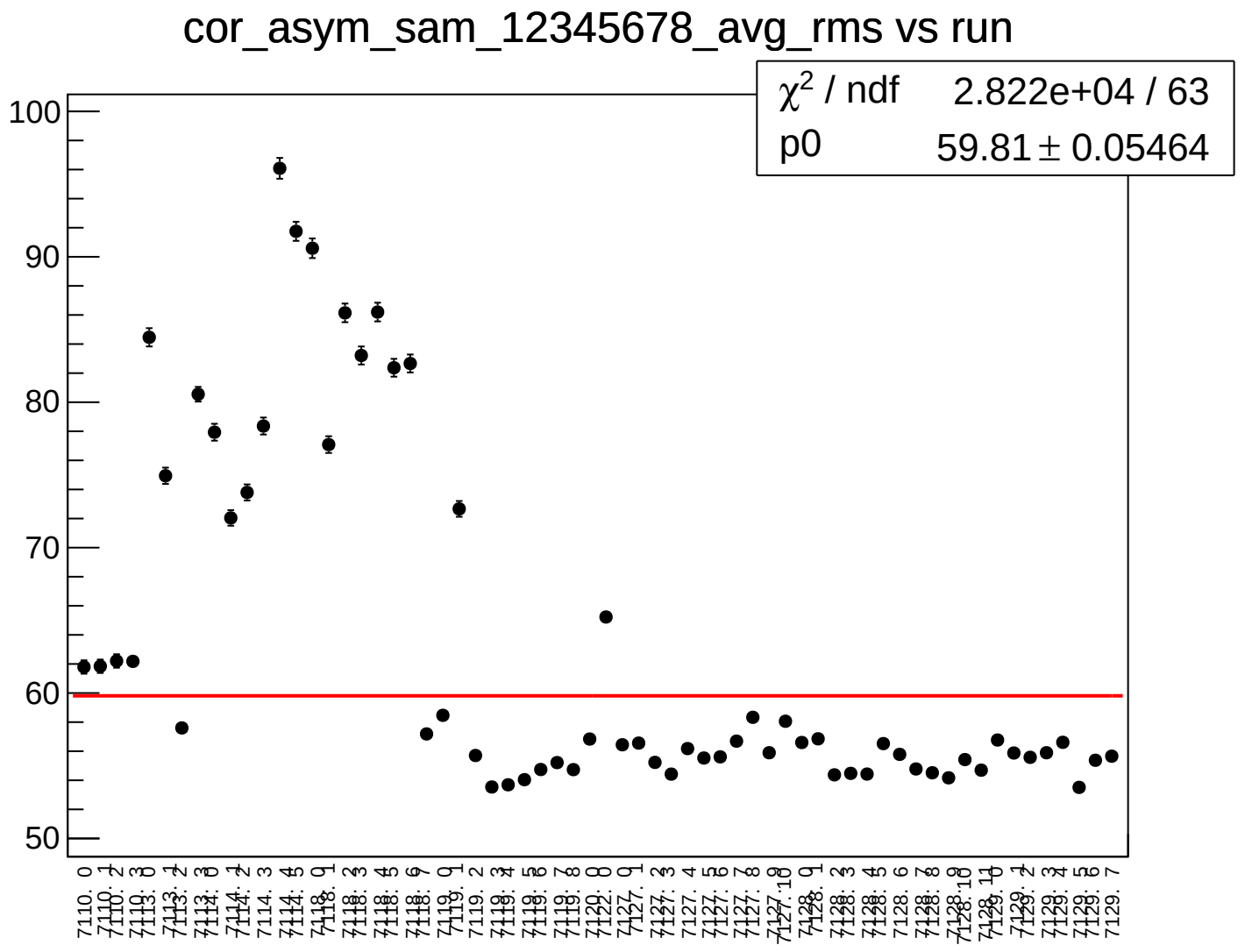

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 64.3 / 63
p0 −1495 ± 675.7
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −213.4
Std Dev 0
2
1
0
−1
−2

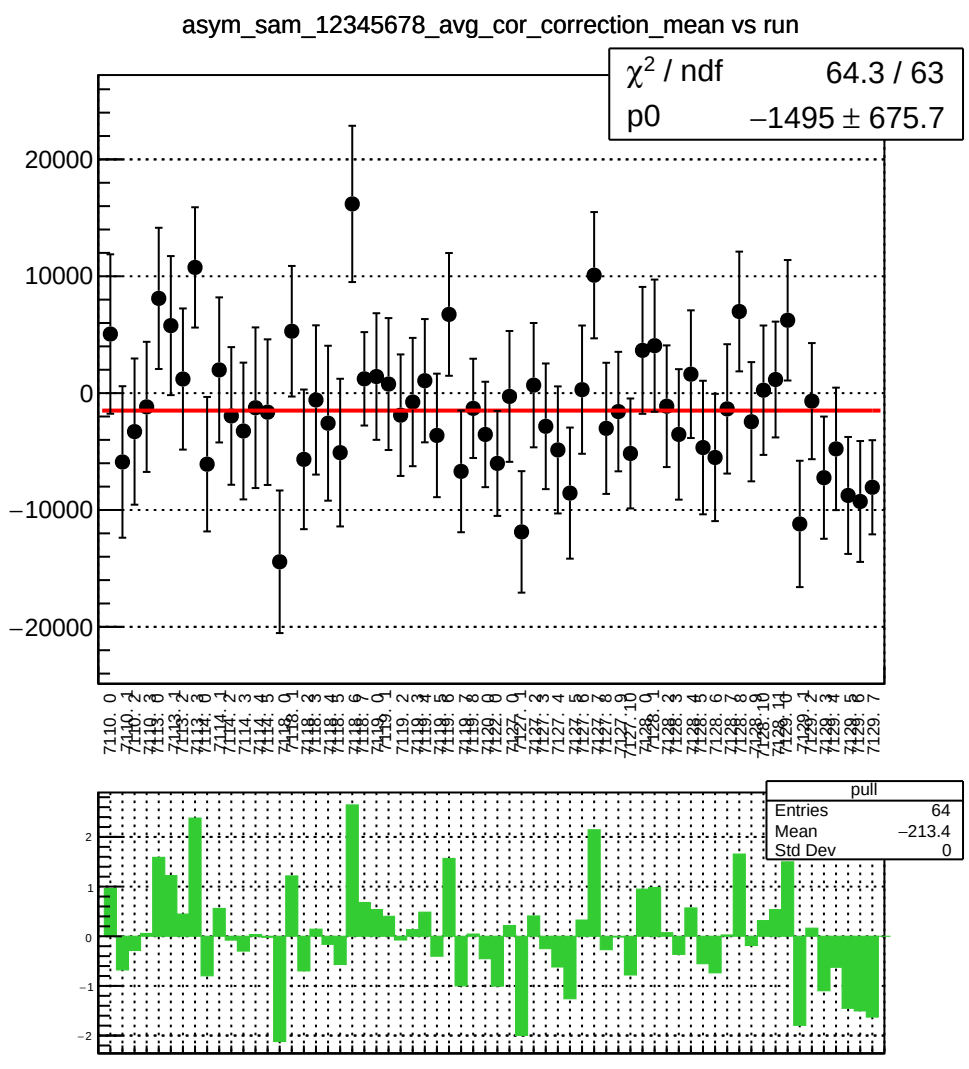

pull1D
Entries 64
Mean 0.01867
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

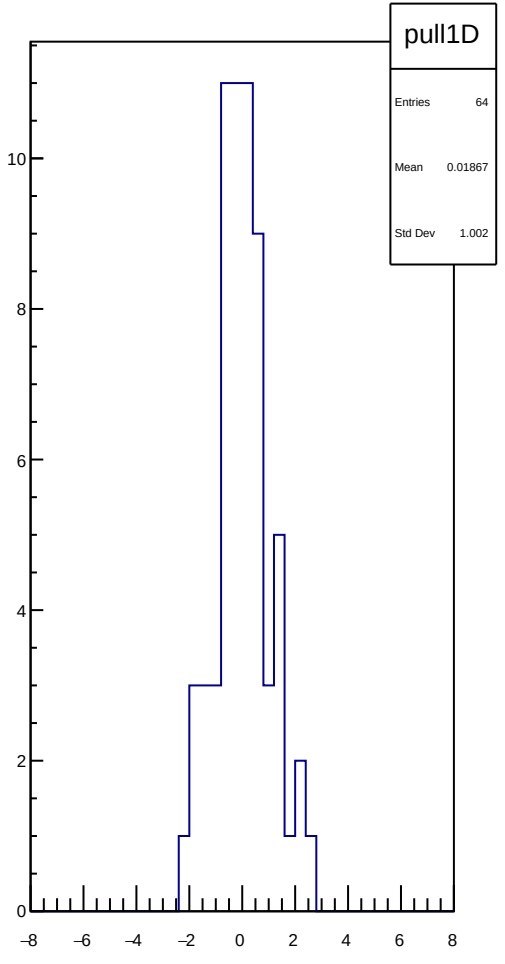

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 7824 / 63
p0 527.4 ± 0.4778
650
600
550
500
450

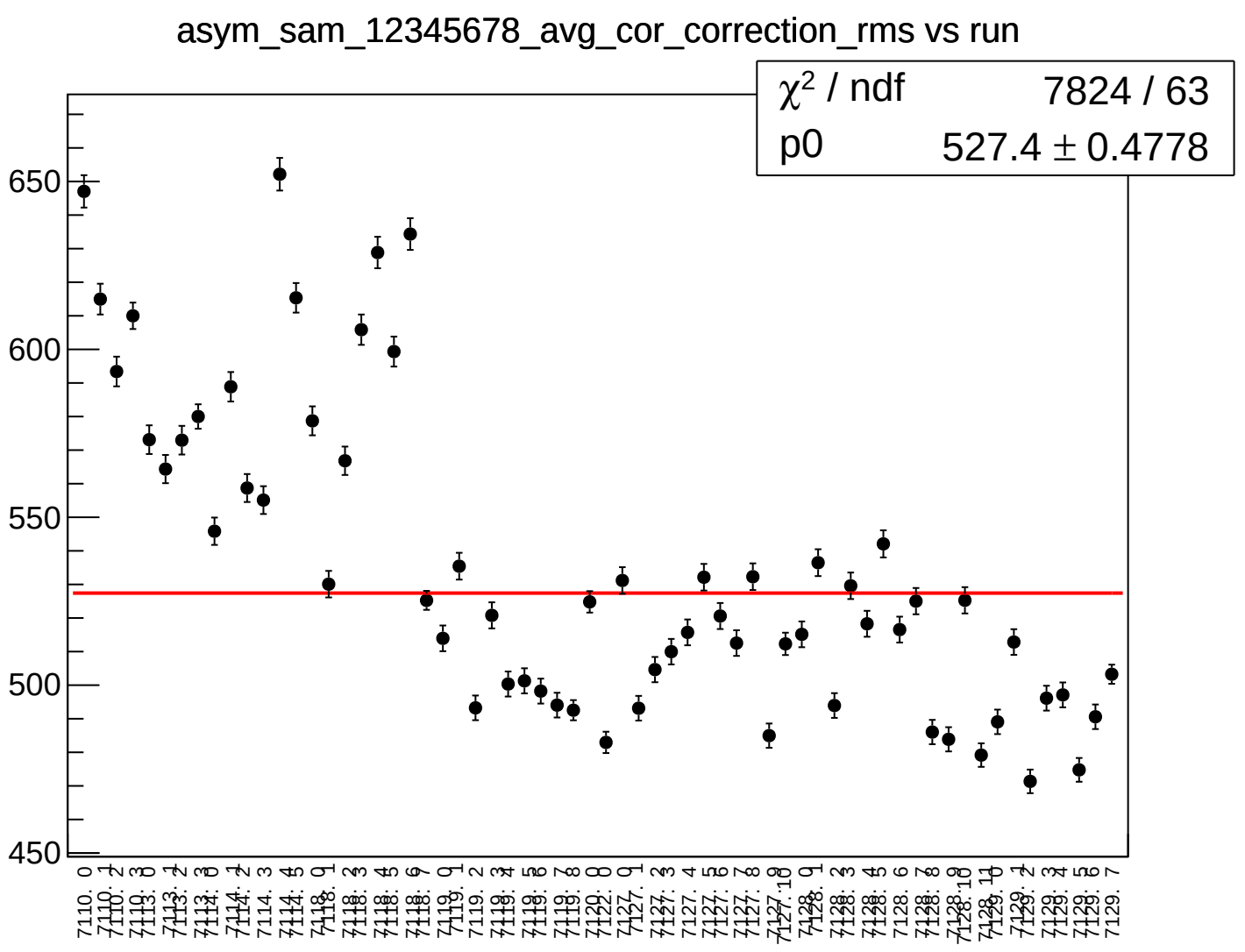

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 57.53 / 63
p0 6.672 ± 77.28
pull
Entries 64
Mean −190.1
Std Dev 0

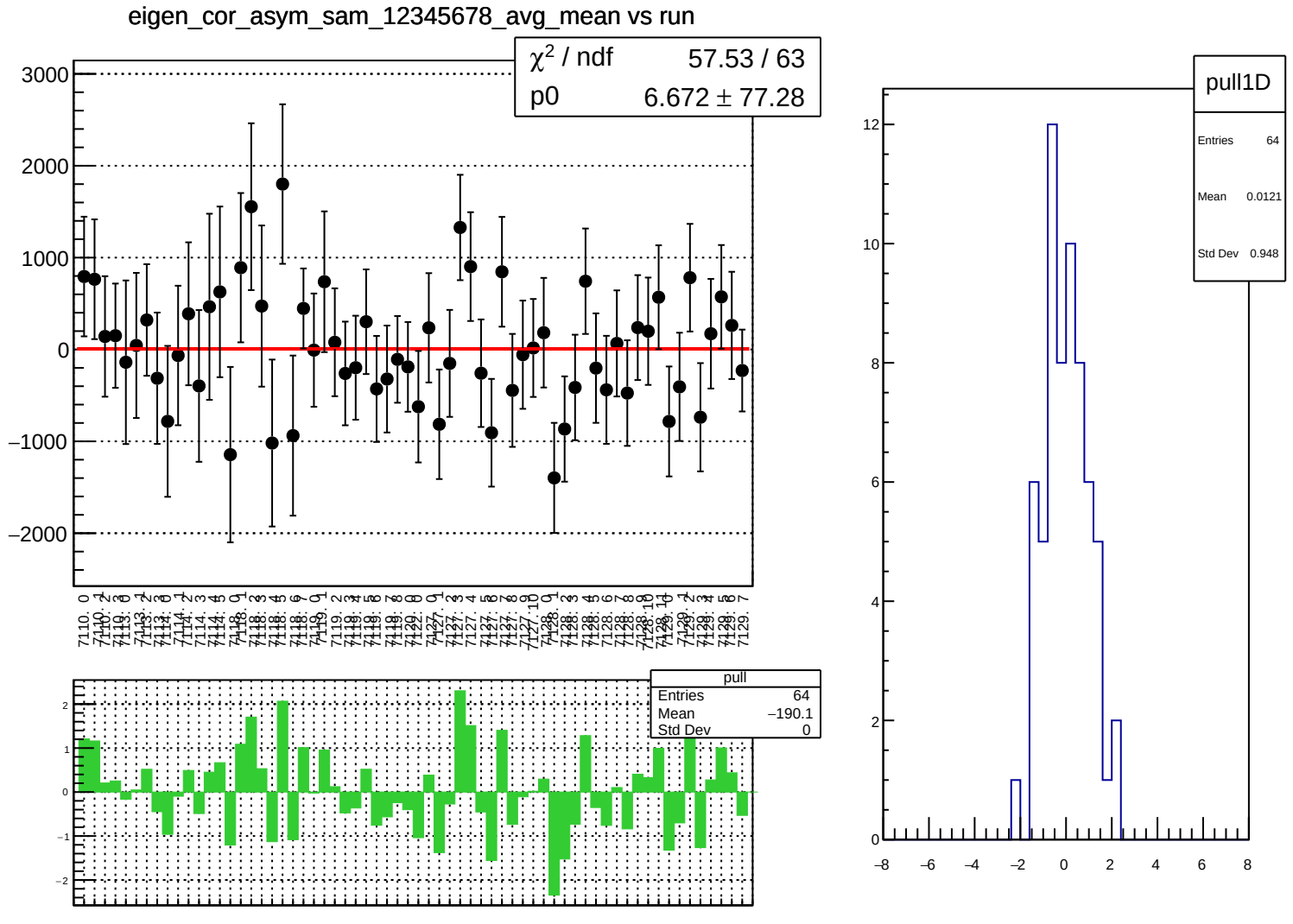

pull1D
Entries 64
Mean 0.0121
Std Dev 0.948

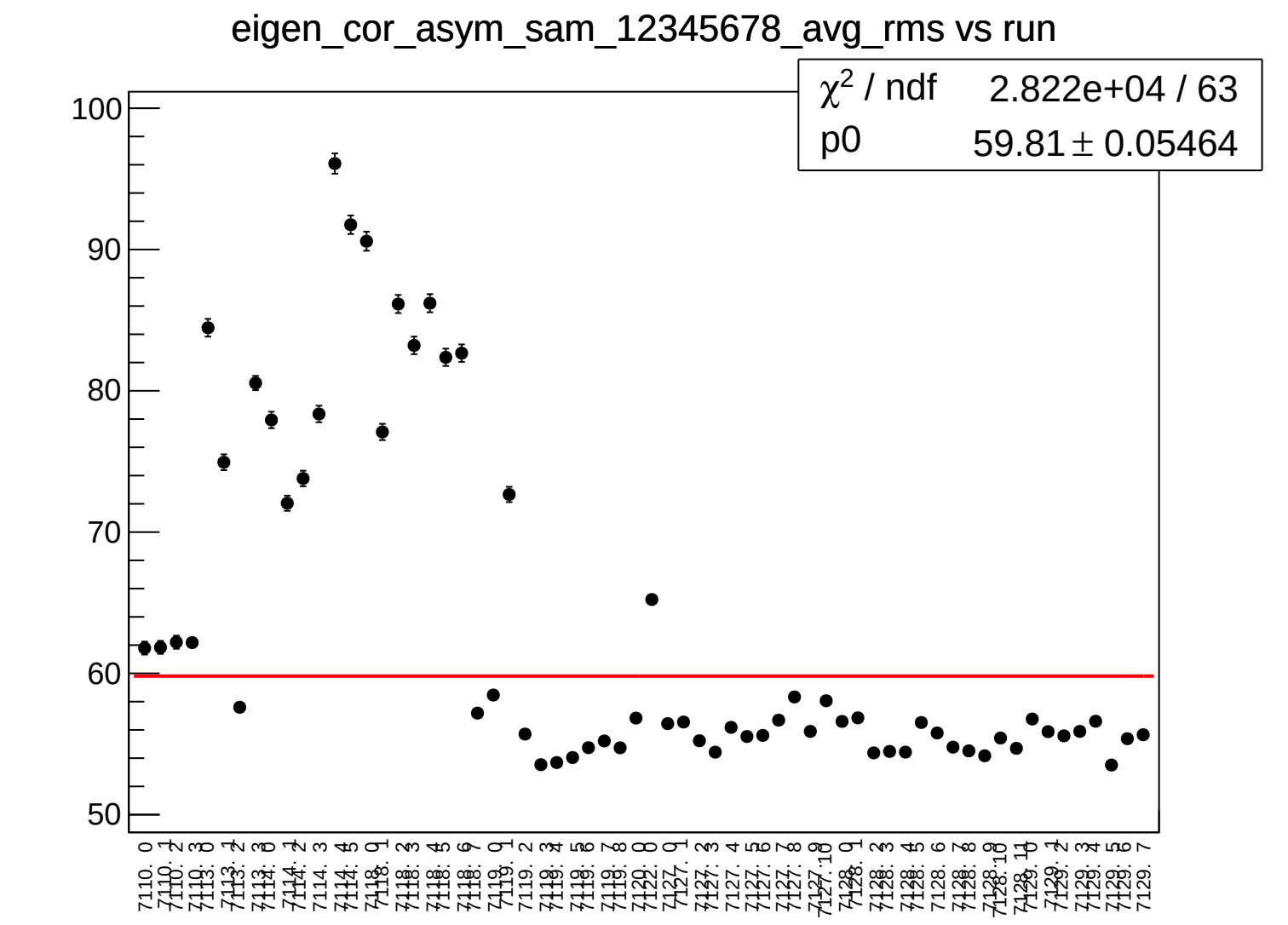

cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.822e+04 / 63
p0 59.81 ± 0.05464
100
90
80
70
60
50

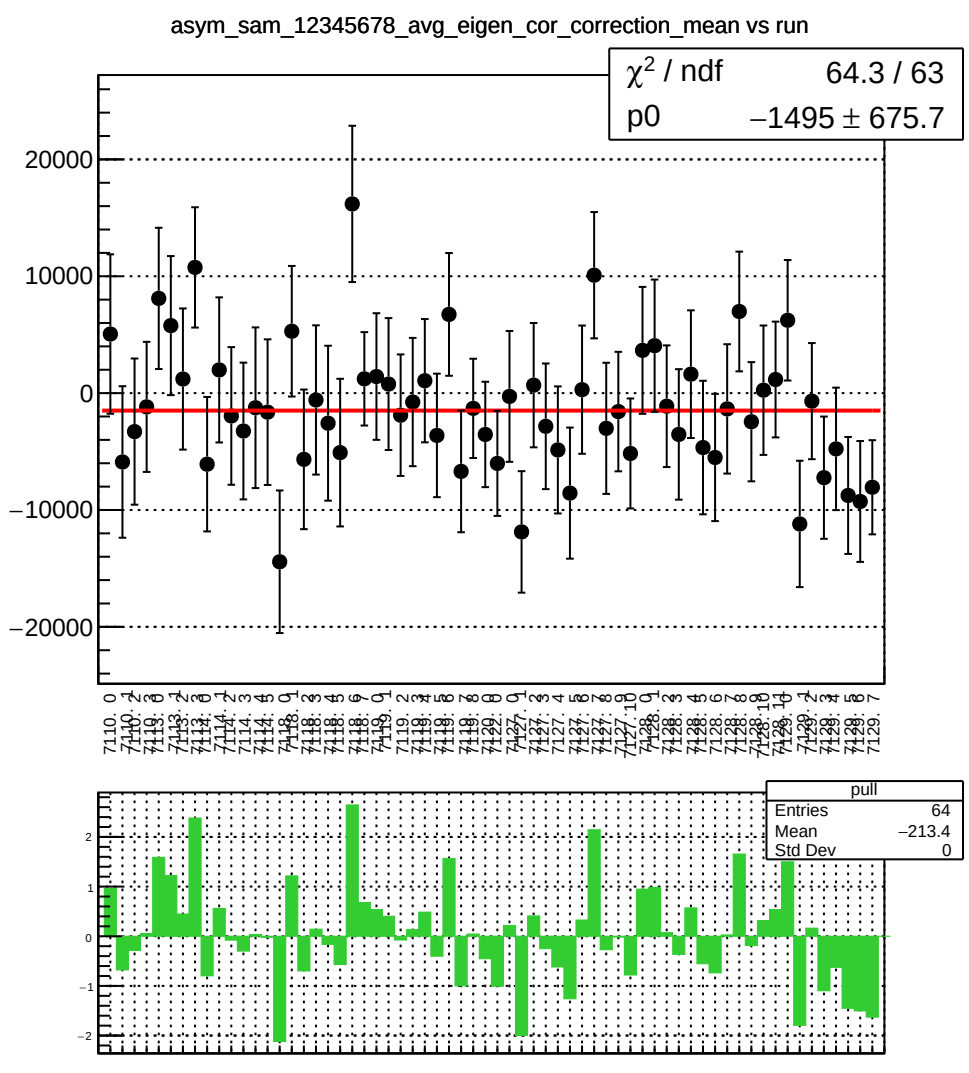

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 64.3 / 63
p0 −1495 ± 675.7
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −213.4
Std Dev 0
2
1
0
−1
−2

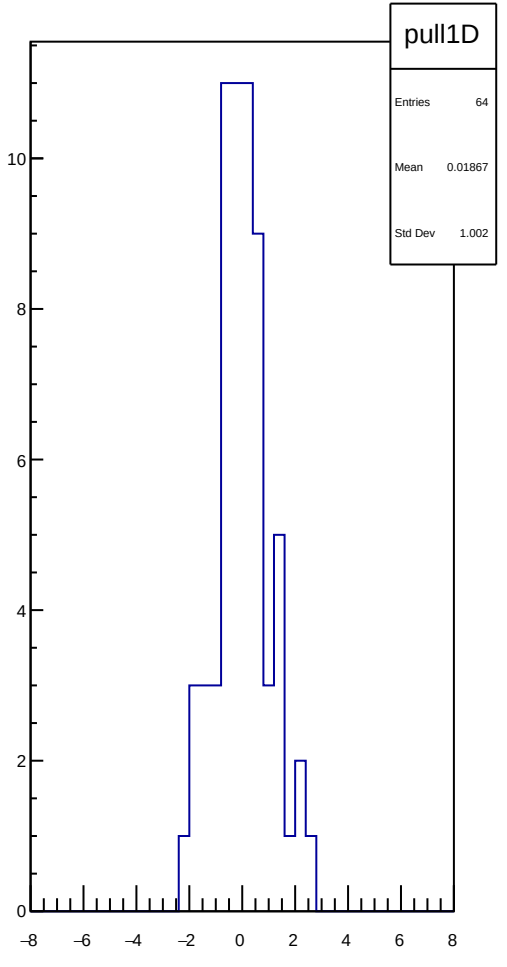

pull1D
Entries 64
Mean 0.01867
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

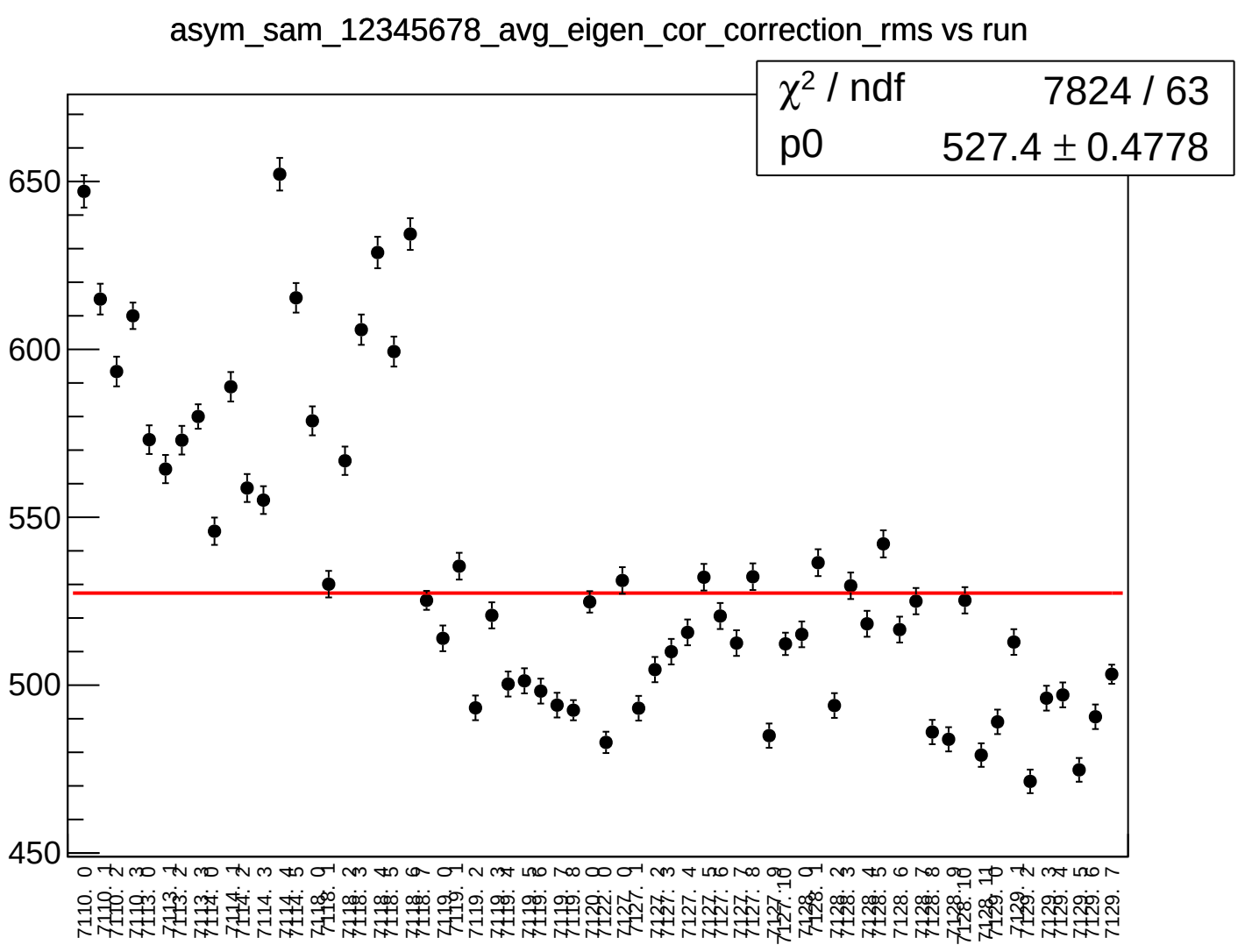

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 7824 / 63
p0 527.4 ± 0.4778
650
600
550
500
450

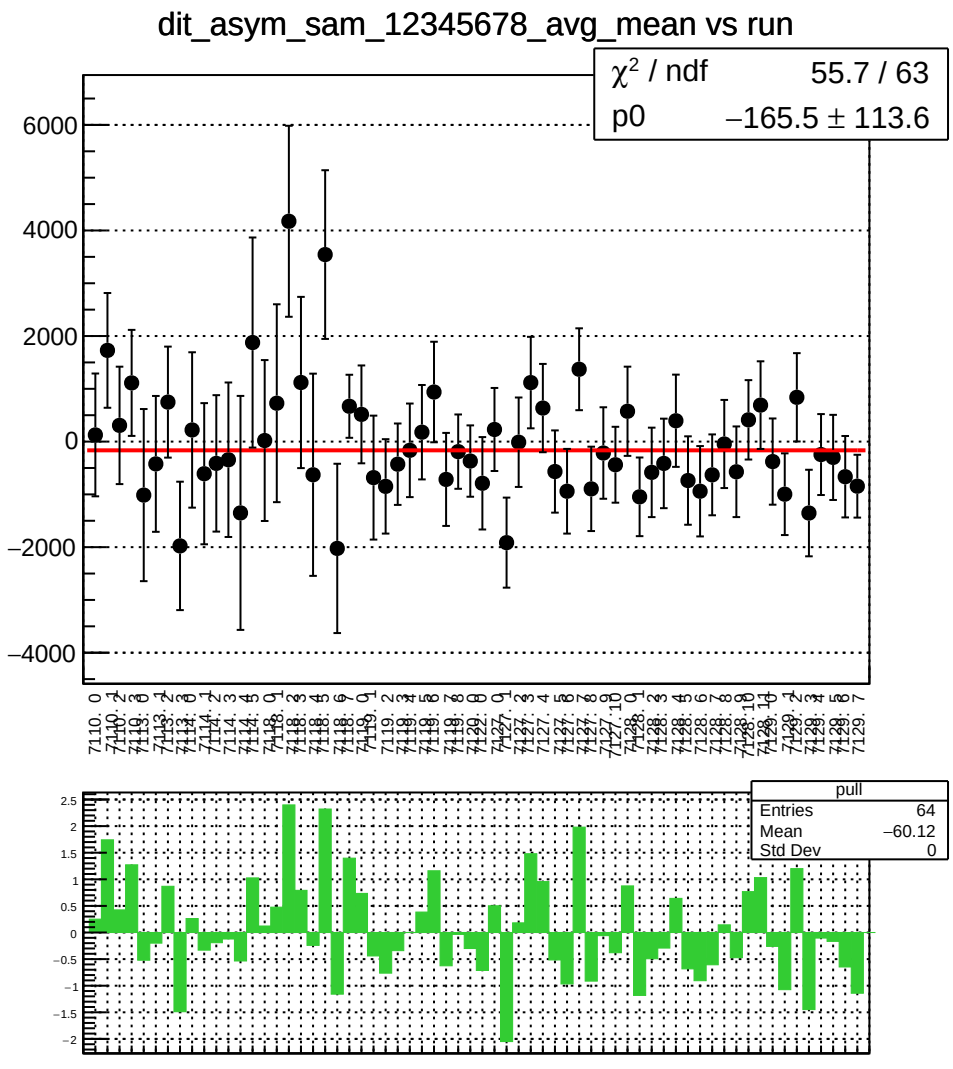

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 57.53 / 63
p0 6.672 ± 77.28
3000
2000
1000
0
−1000
−2000
pull
Entries 64
Mean −190.1
Std Dev 0
pull1D
Entries 64
Mean 0.0121
Std Dev 0.948

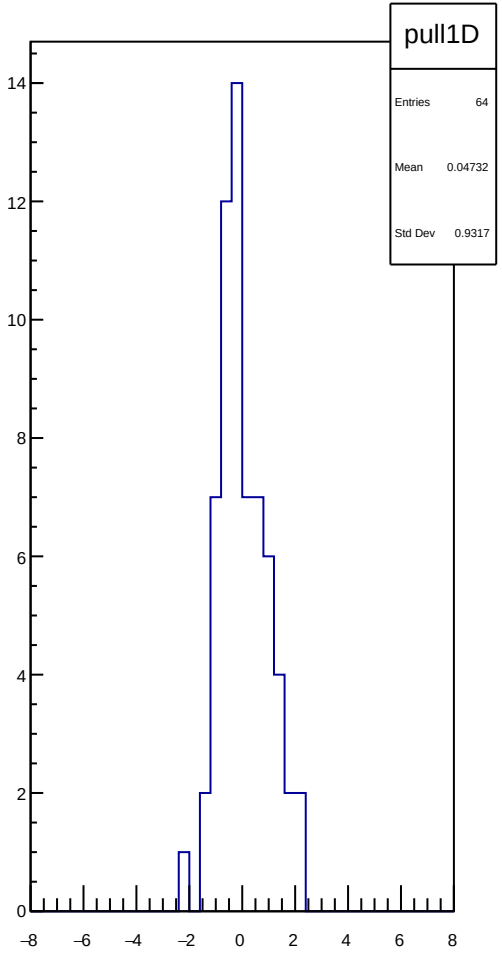

eigen_cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.822e+04 / 63
p0 59.81 ± 0.05464
100
90
80
70
60
50

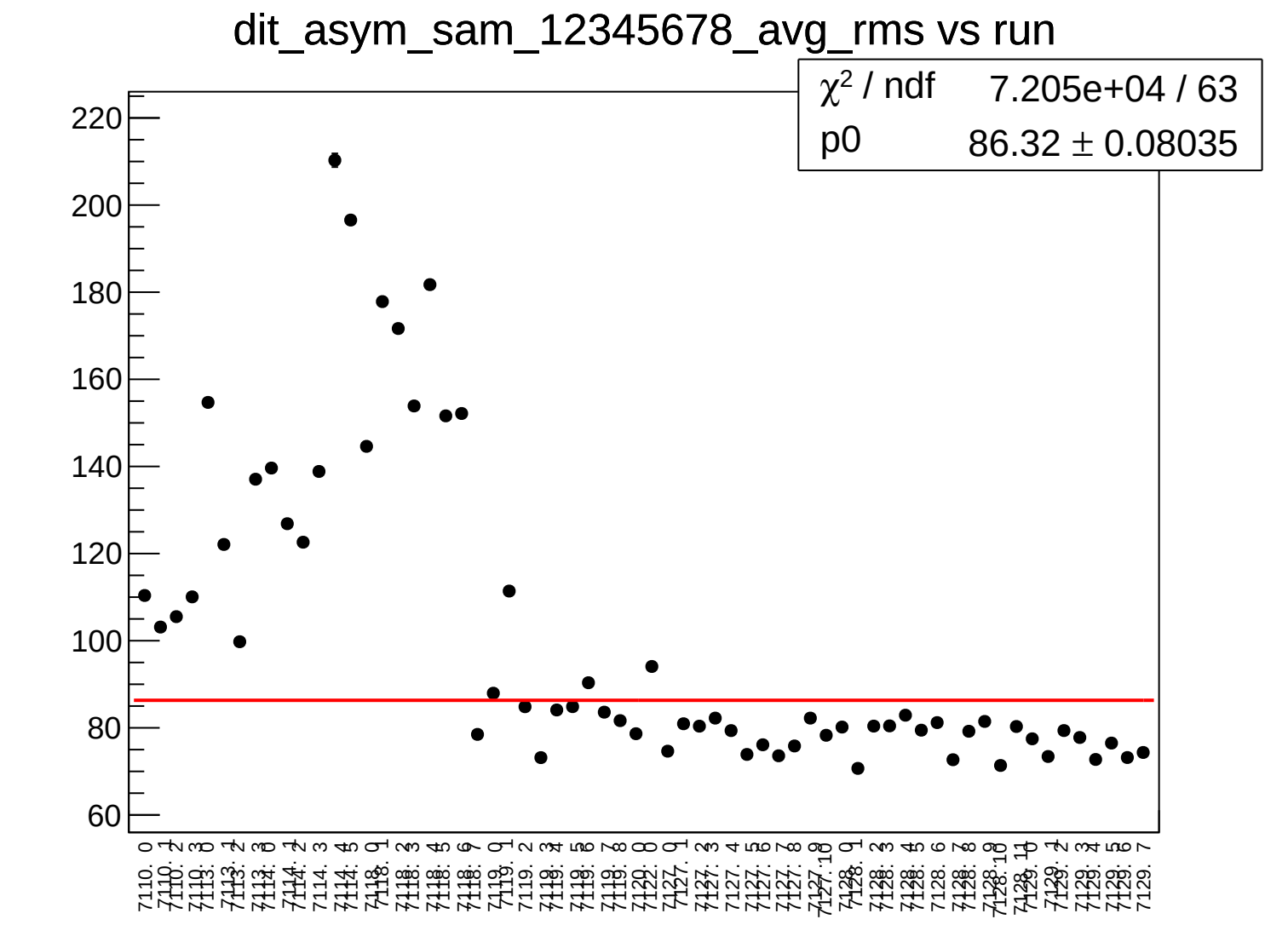

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.3 / 63
p0 −1495 ± 675.7
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −213.4
Std Dev 0
2
1
0
−1
−2

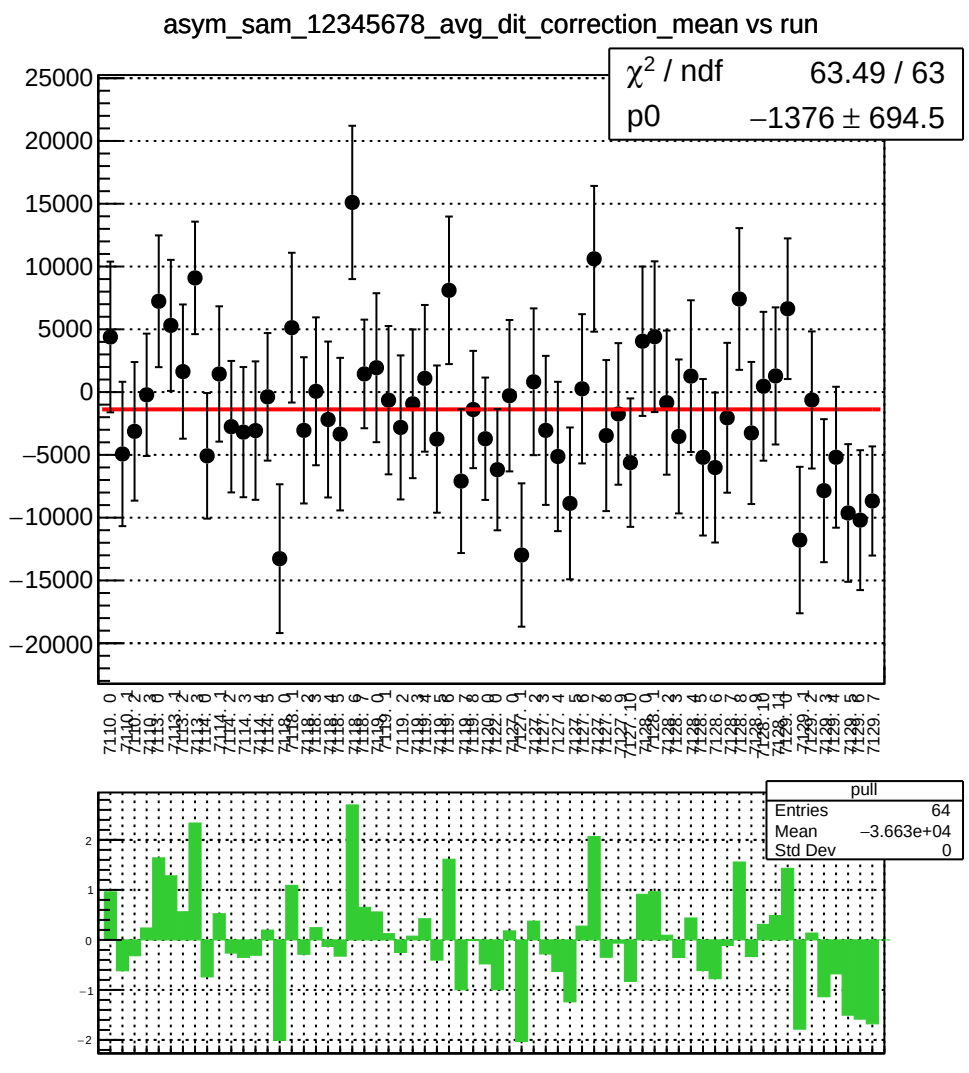

pull1D
Entries 64
Mean 0.01867
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

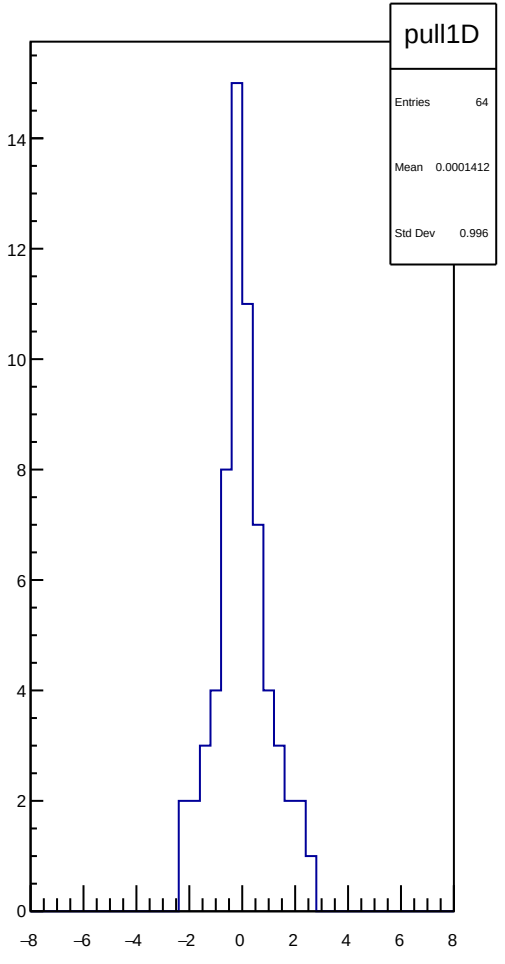

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 7824 / 63
p0 527.4 ± 0.4778
650
600
550
500
450

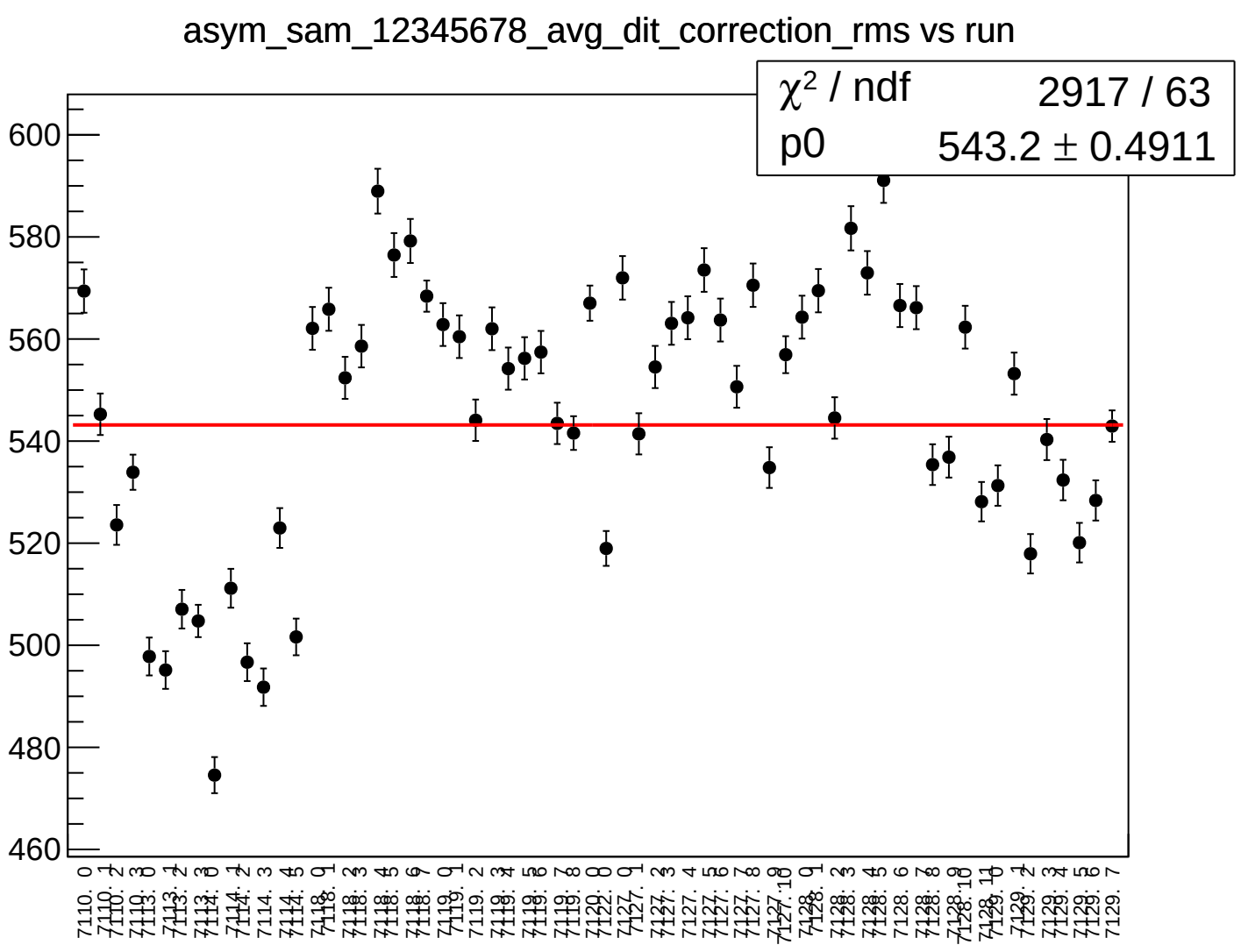

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 55.7 / 63
p0 −165.5 ± 113.6
pull
Entries 64
Mean −60.12
Std Dev 0

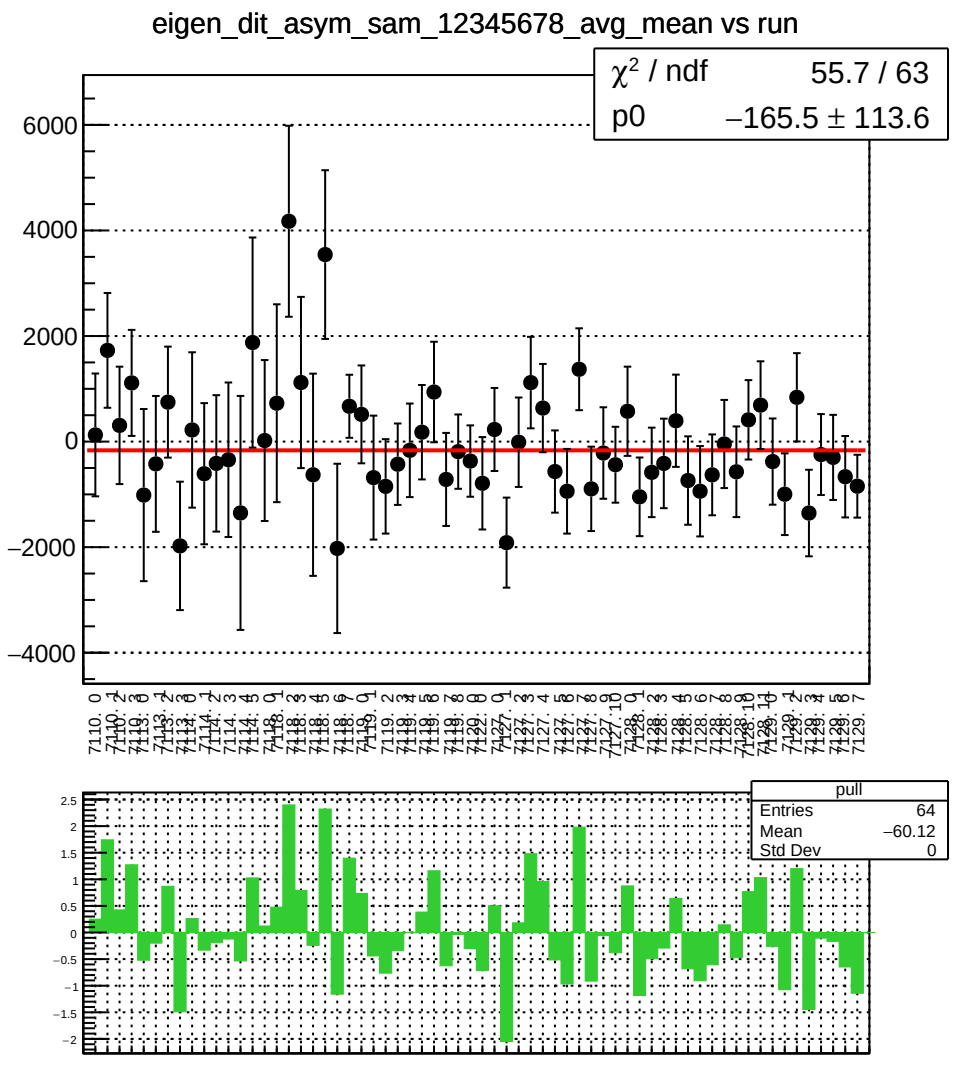

pull1D
Entries 64
Mean 0.04732
Std Dev 0.9317

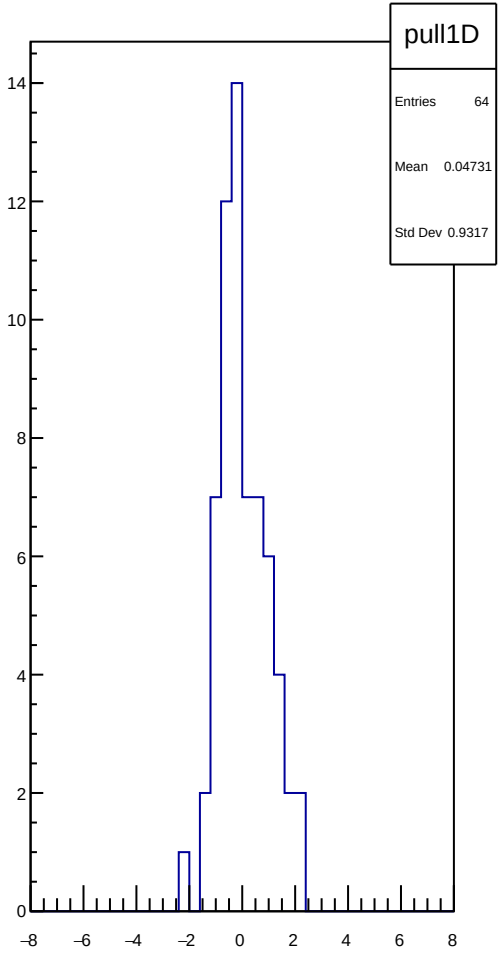

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 7.205e+04 / 63
p0 86.32 ± 0.08035
220
200
180
160
140
120
100
80
60

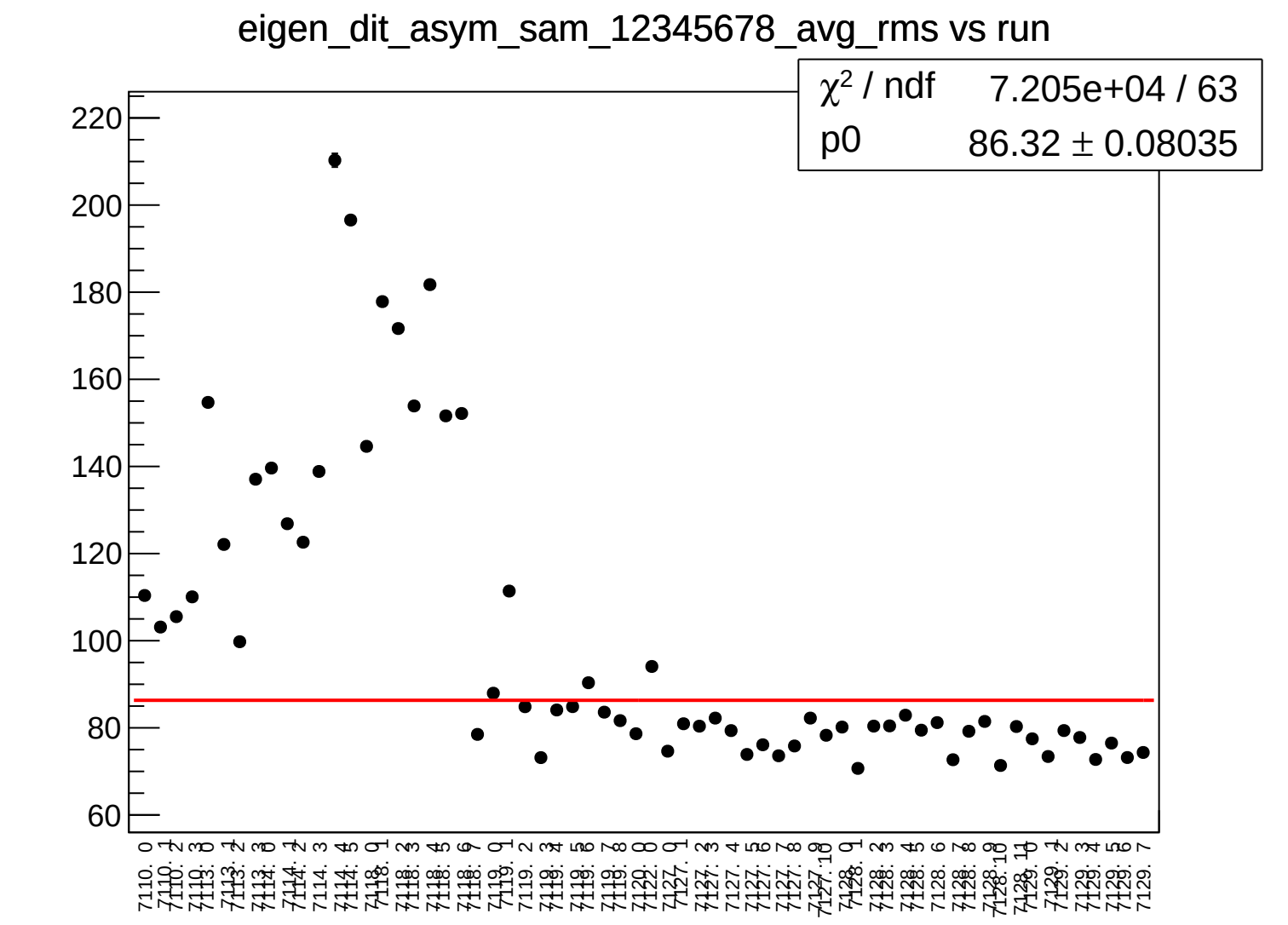

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 63.49 / 63
p0 −1376 ± 694.5
pull
Entries 64
Mean −3.663e+04
Std Dev 0

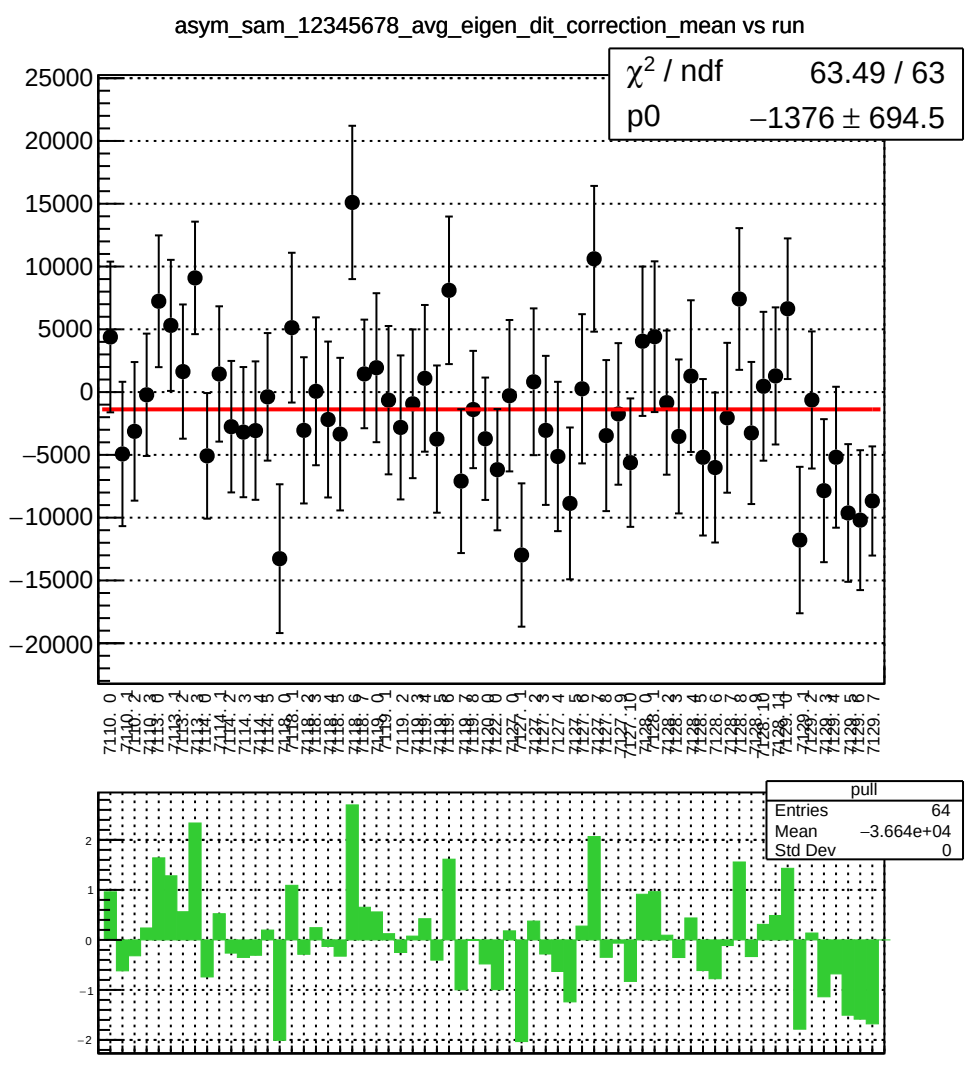

pull1D
Entries 64
Mean 0.0001412
Std Dev 0.996

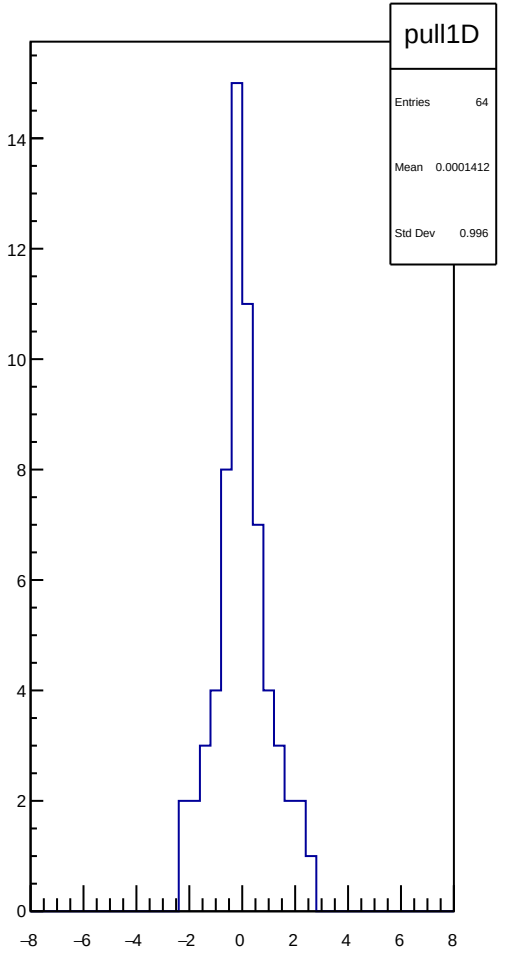

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 2917 / 63
p0 543.2 ± 0.4911
600
580
560
540
520
500
480
460

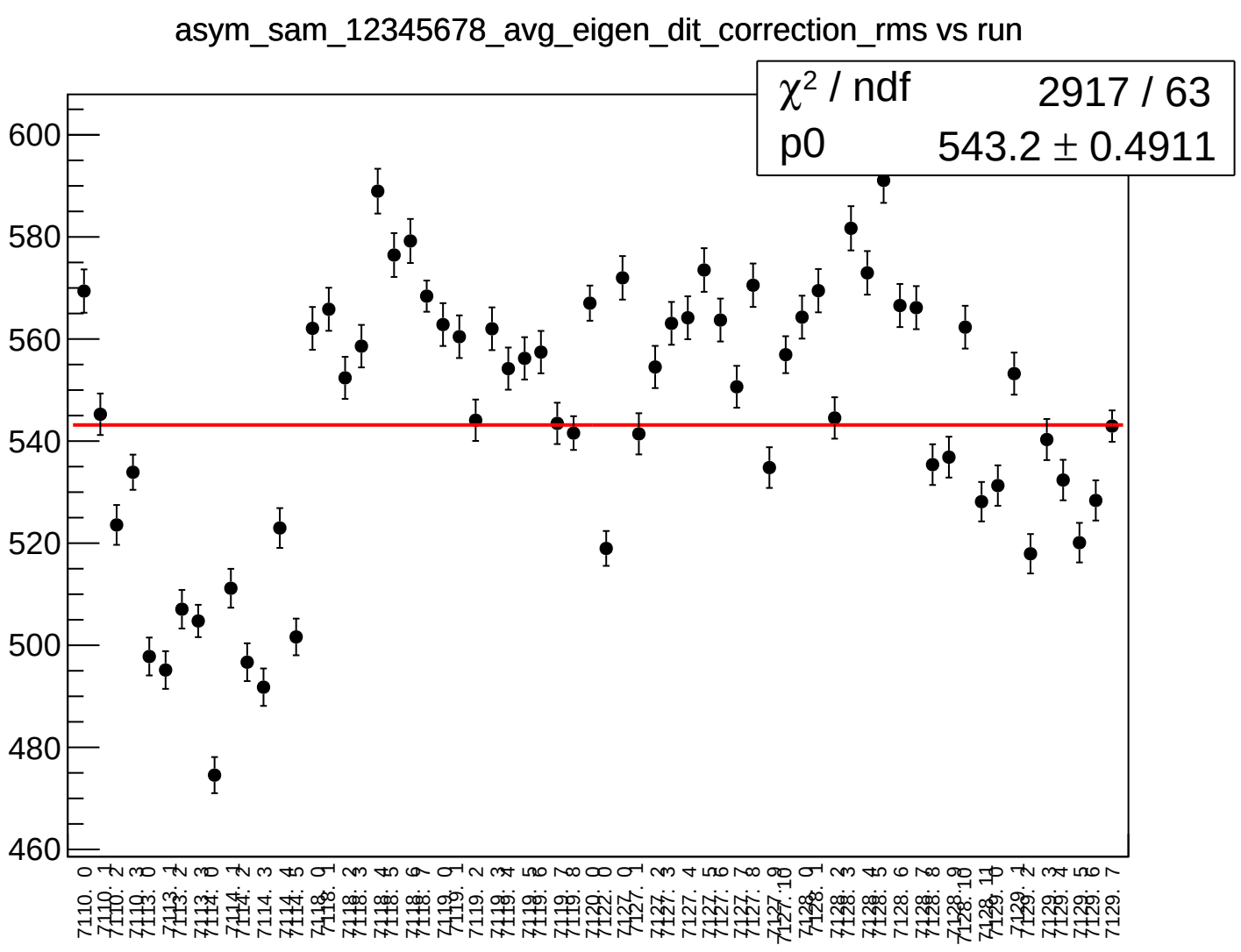

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 55.7 / 63
p0 −165.5 ± 113.6
6000
4000
2000
0
−2000
−4000
pull
Entries 64
Mean −60.12
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

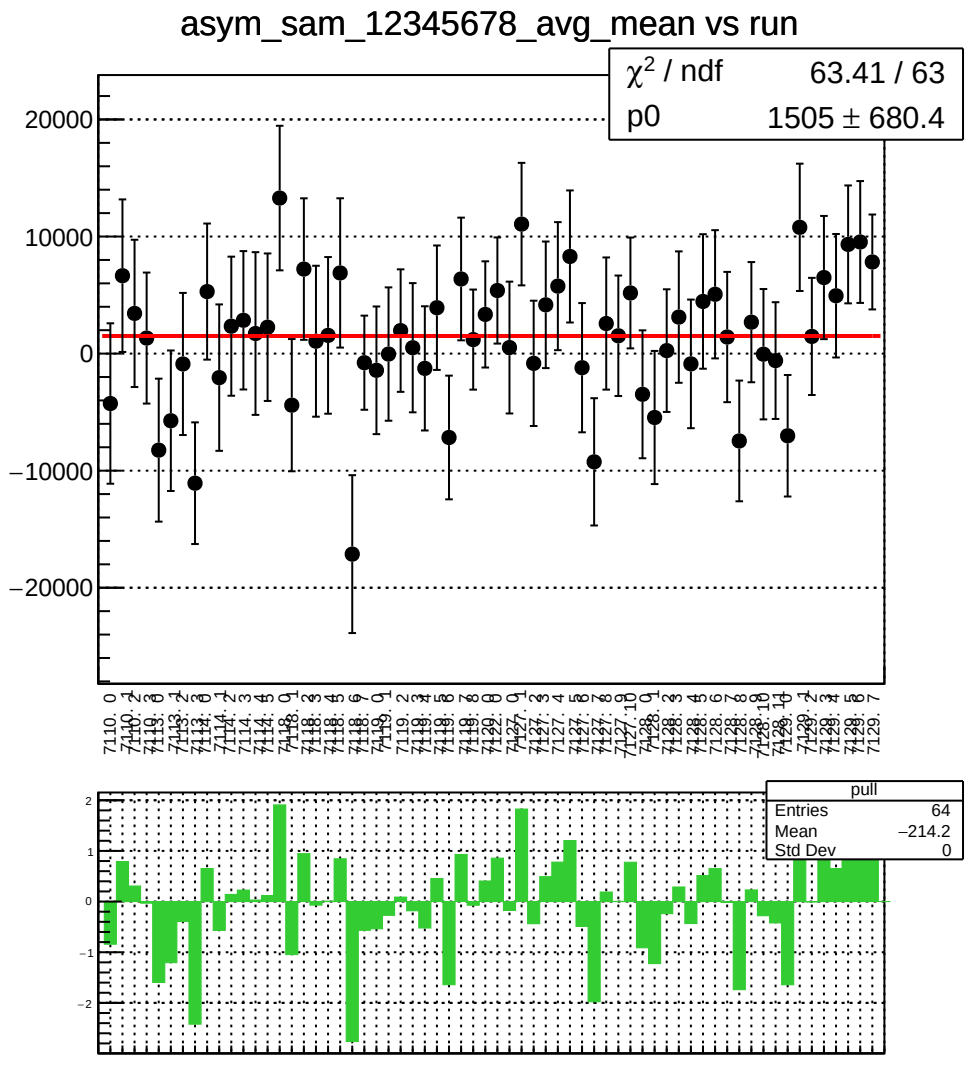

pull1D
Entries 64
Mean 0.04731
Std Dev 0.9317
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

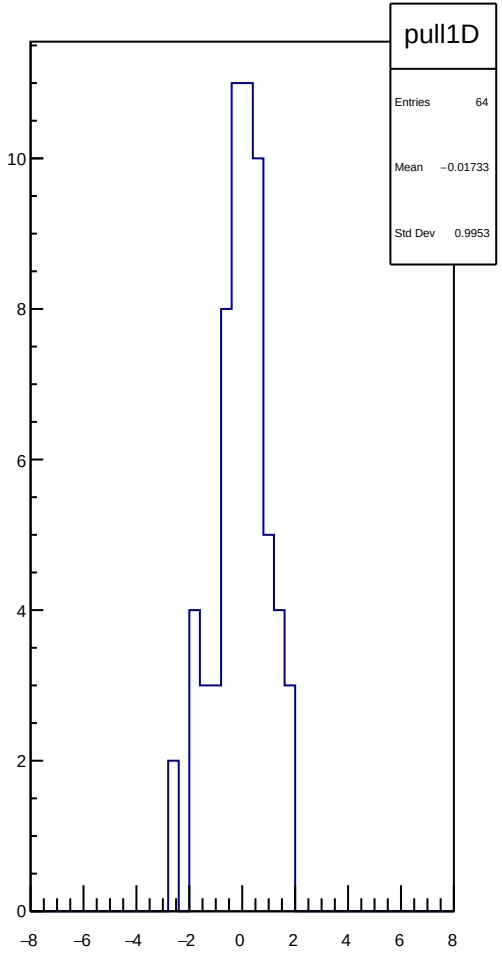

eigen_dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 7.205e+04 / 63
p0 86.32 ± 0.08035
220
200
180
160
140
120
100
80
60

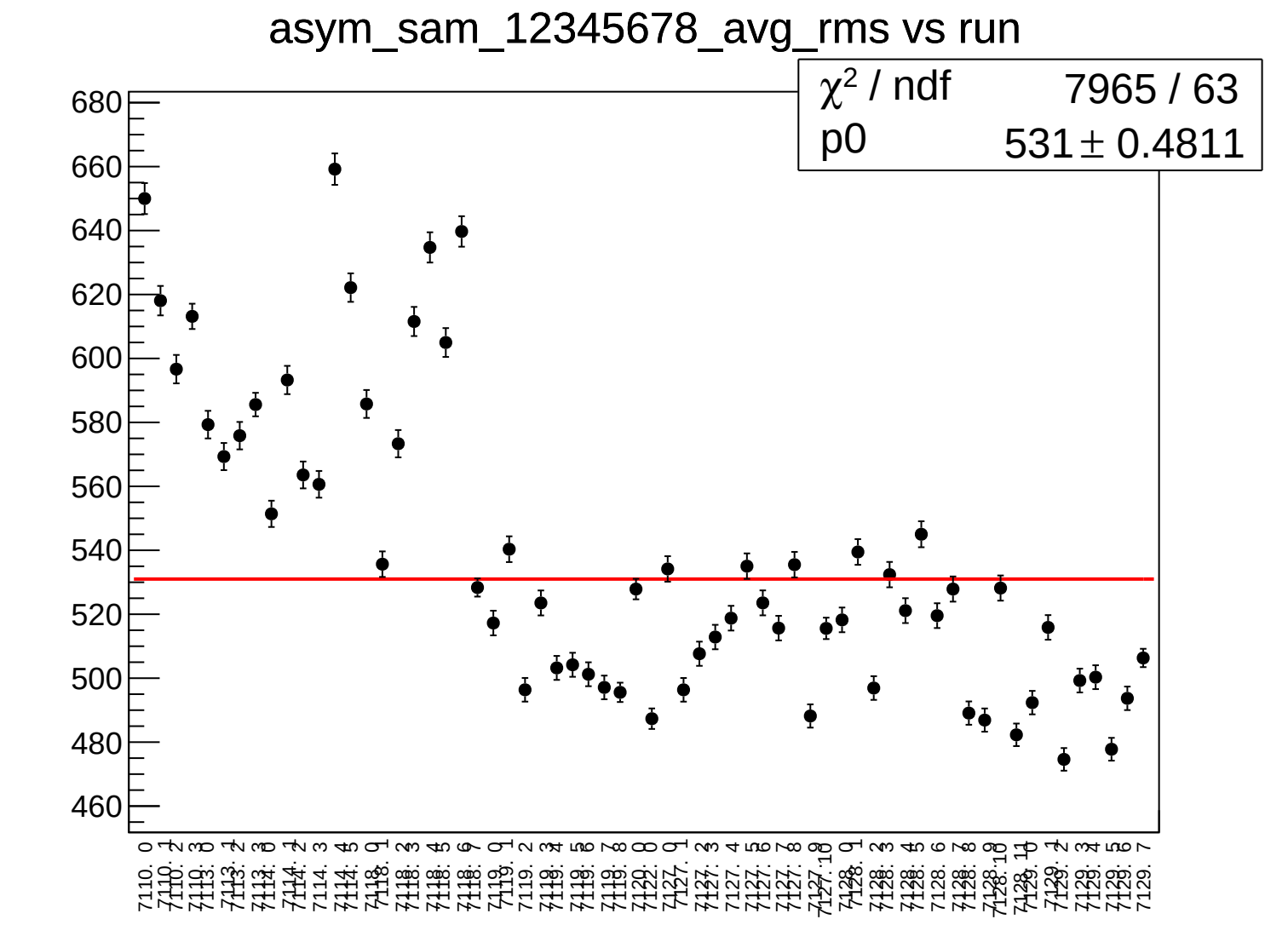

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.49 / 63
p0 −1376 ± 694.5
pull
Entries 64
Mean −3.664e+04
Std Dev 0

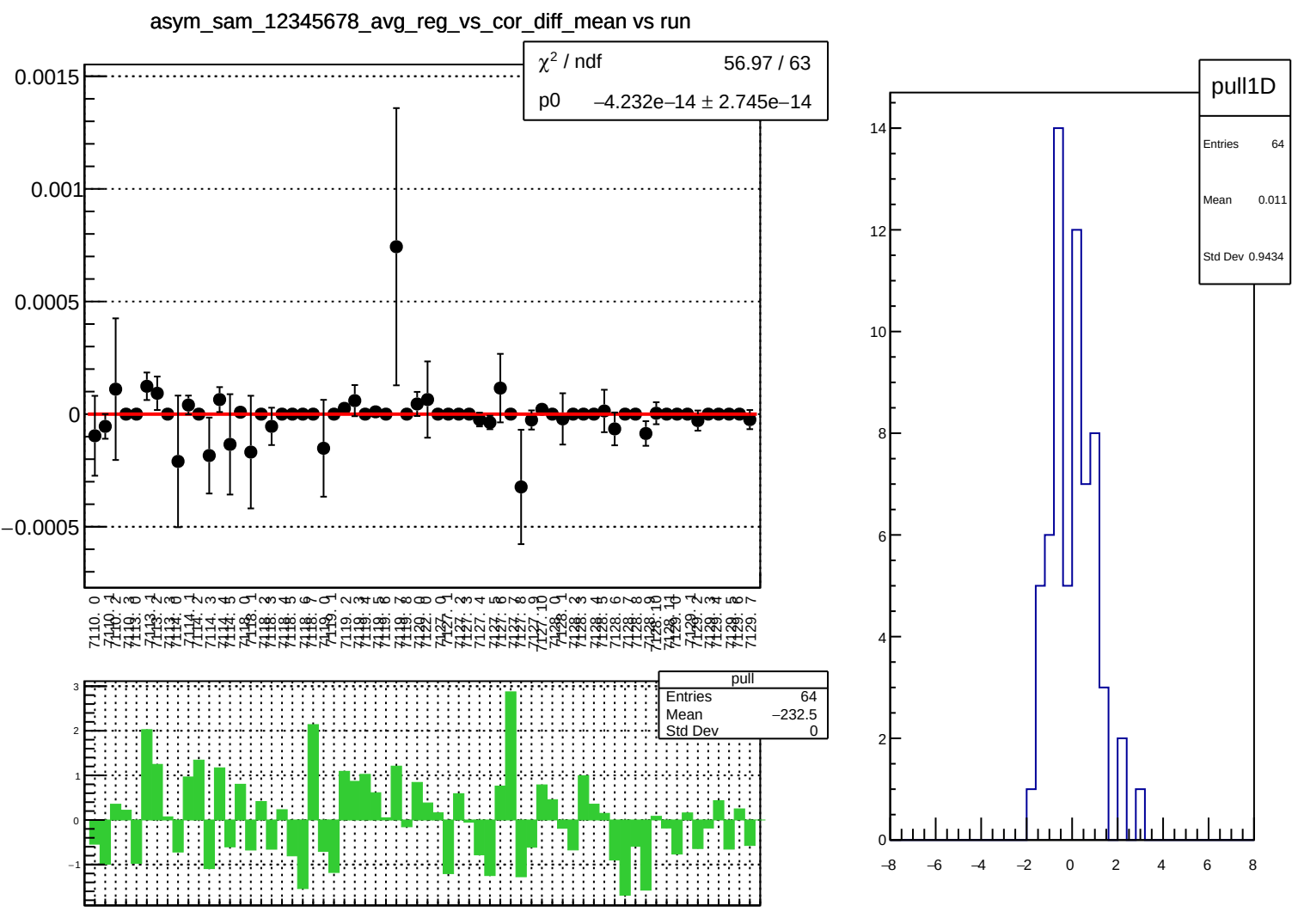

pull1D
Entries 64
Mean 0.0001412
Std Dev 0.996

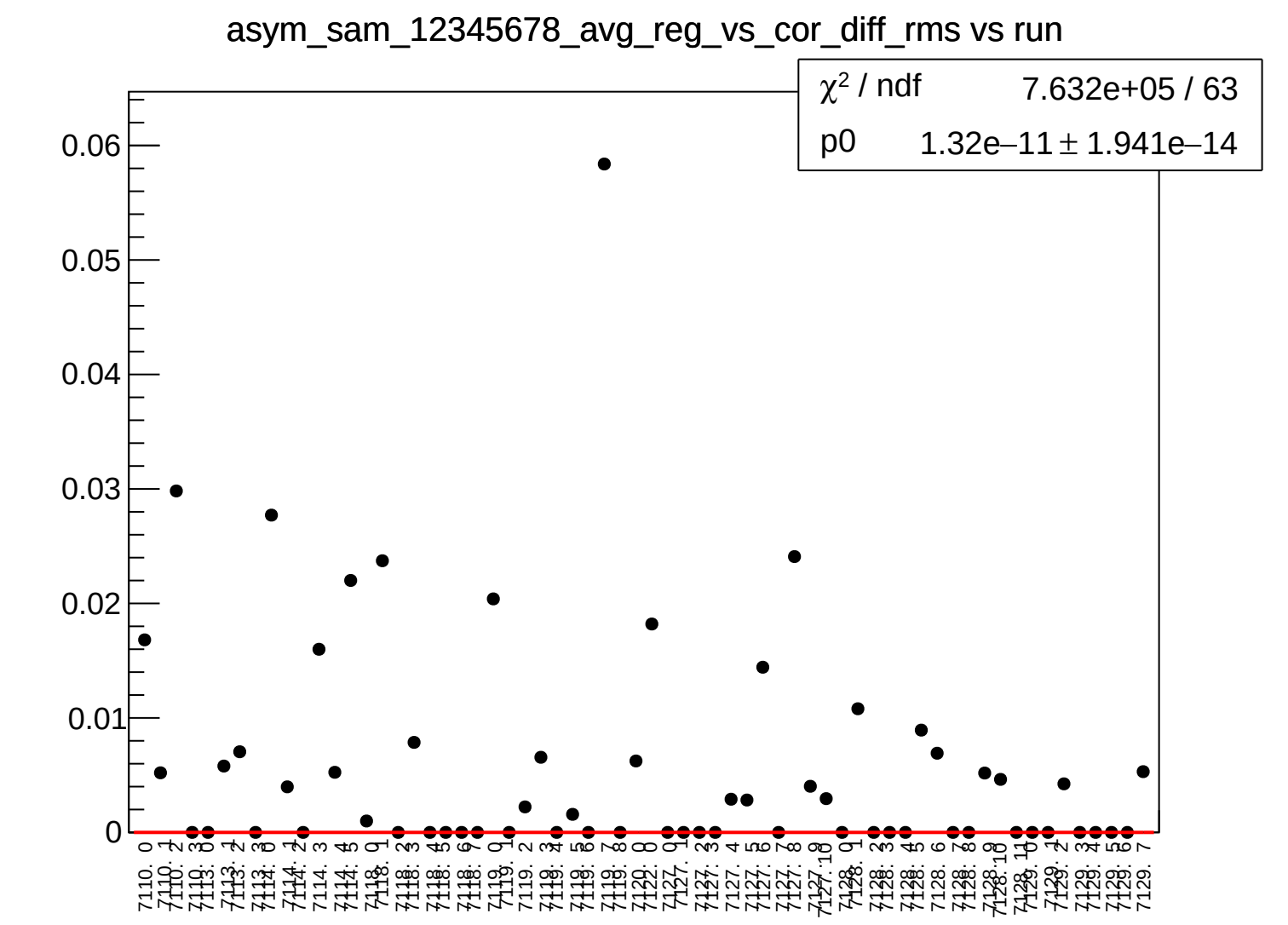

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 2917 / 63
p0 543.2 ± 0.4911
600
580
560
540
520
500
480
460

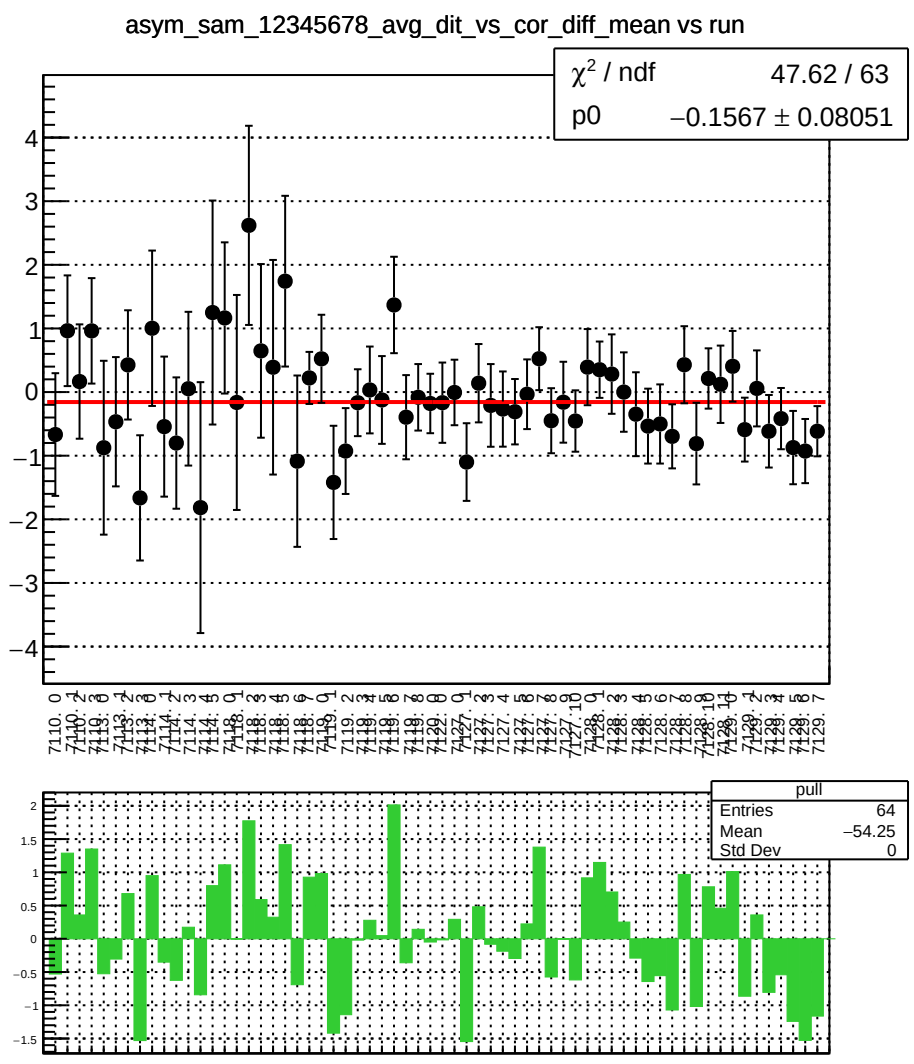

asym_sam_12345678_avg_mean vs run
χ² / ndf 63.41 / 63
p0 1505 ± 680.4
20000
10000
0
−10000
−20000
pull
Entries 64
Mean −214.2
Std Dev 0
2
1
0
−1
−2

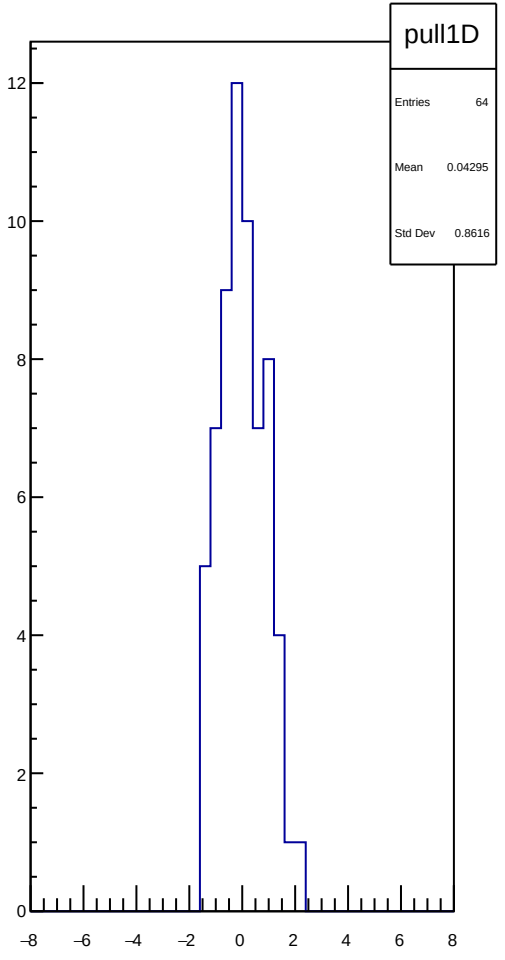

pull1D
Entries 64
Mean −0.01733
Std Dev 0.9953
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

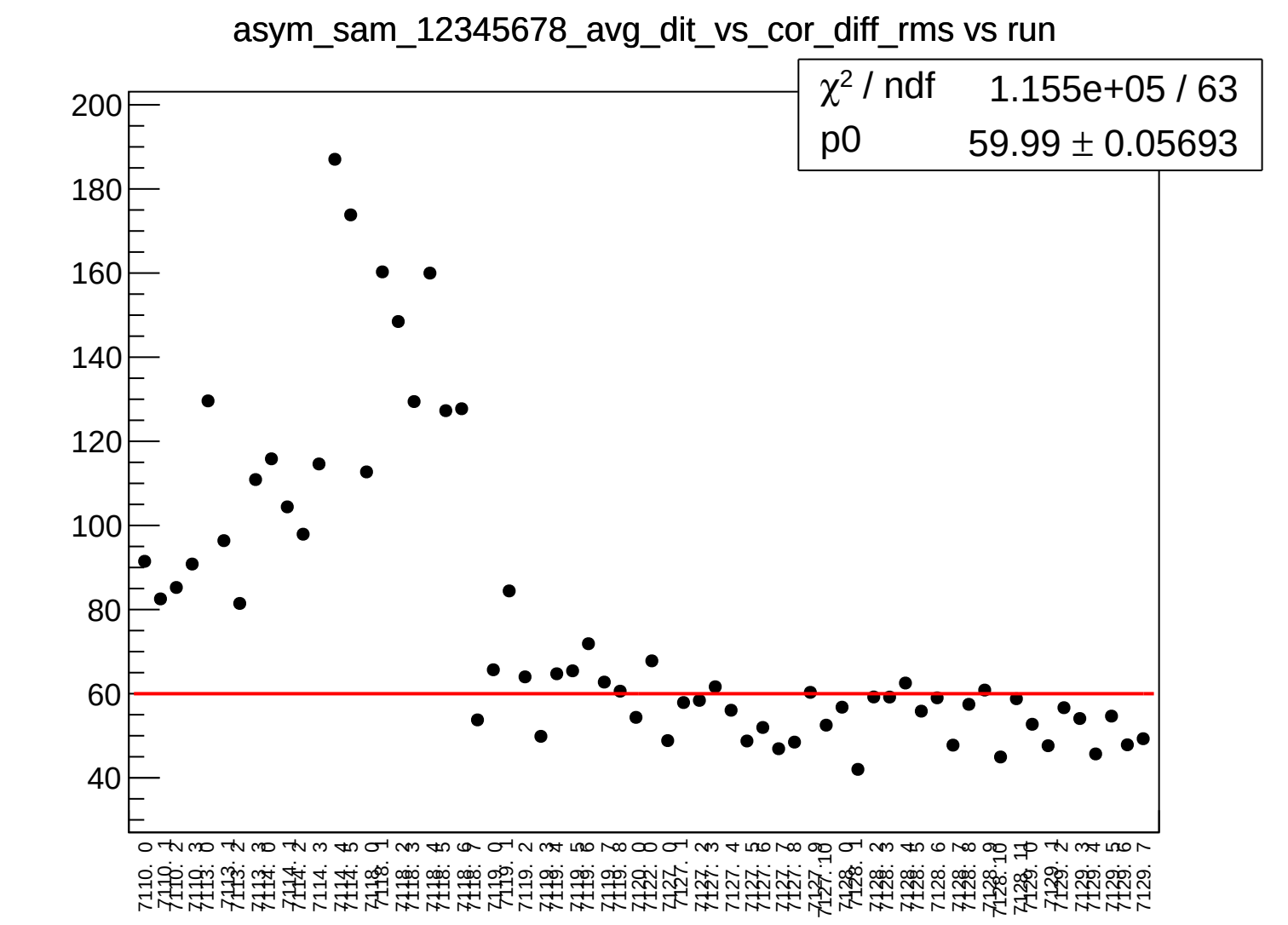

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 7965 / 63
p0 531 ± 0.4811
680
660
640
620
600
580
560
540
520
500
480
460

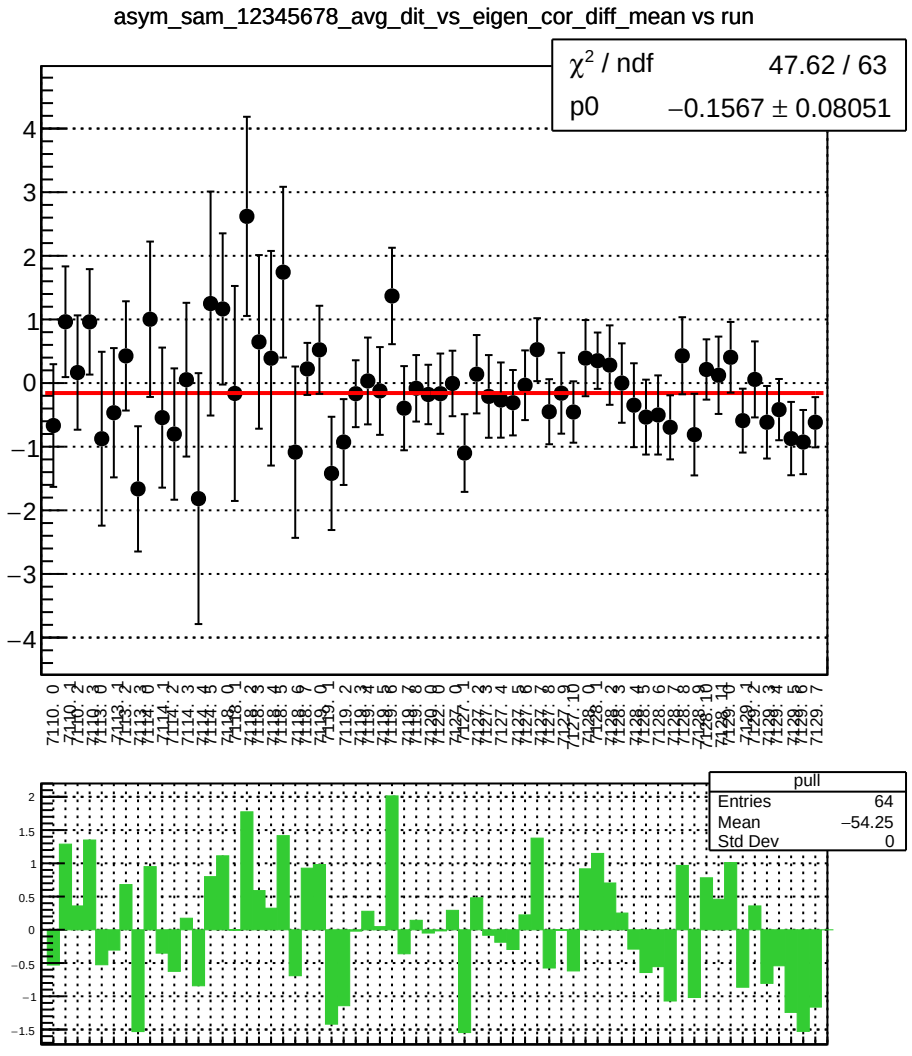

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.97 / 63
p0 −4.232e−14 ± 2.745e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 64
Mean −232.5
Std Dev 0
pull1D
Entries 64
Mean 0.011
Std Dev 0.9434

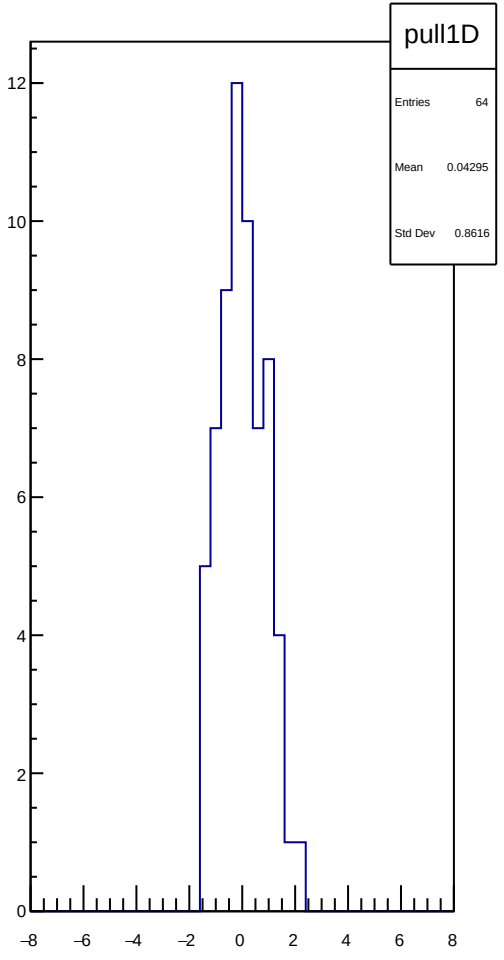

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.632e+05 / 63
p0 1.32e−11 ± 1.941e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

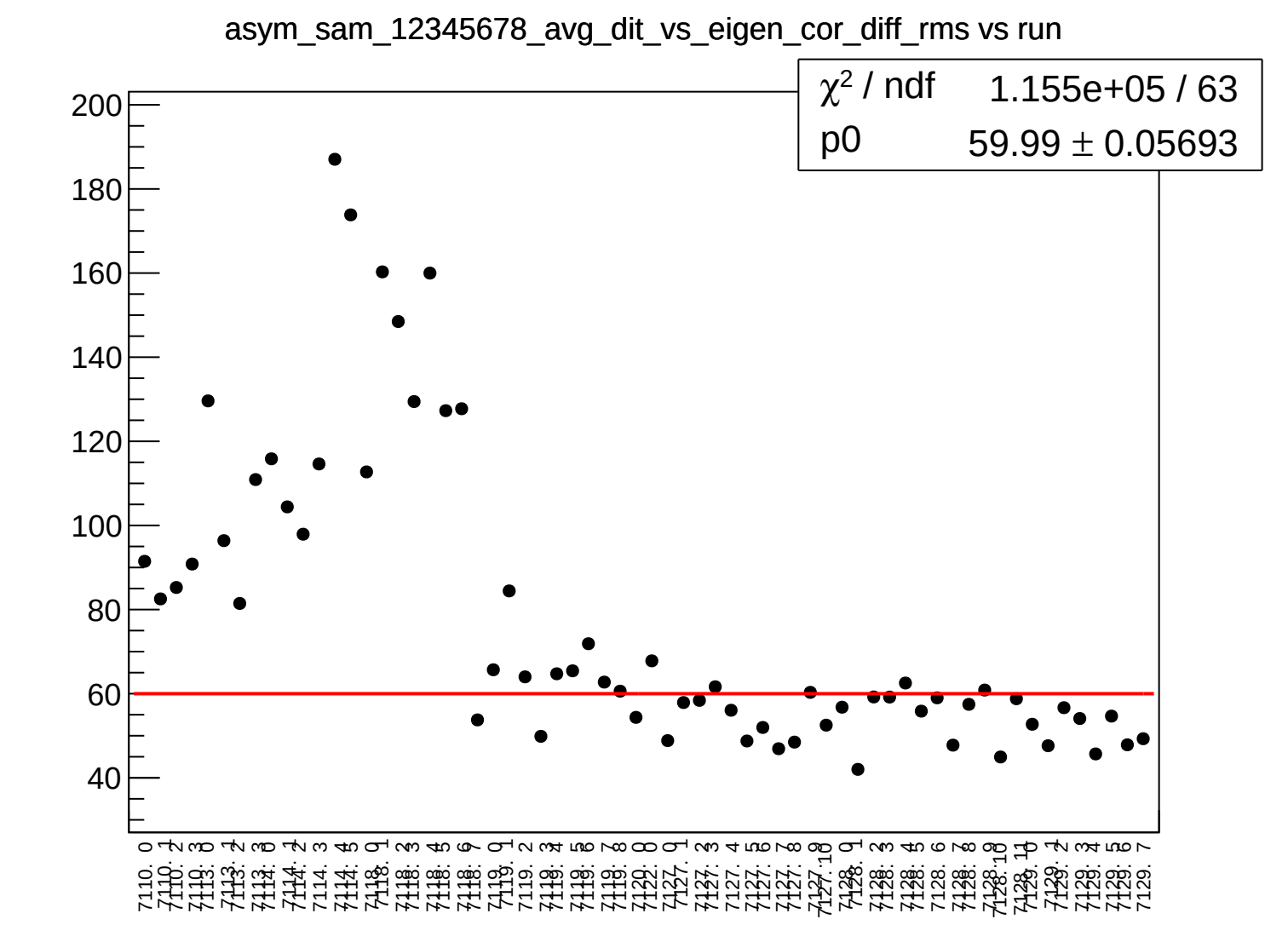

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.62 / 63
p0 −0.1567 ± 0.08051
pull
Entries 64
Mean −54.25
Std Dev 0

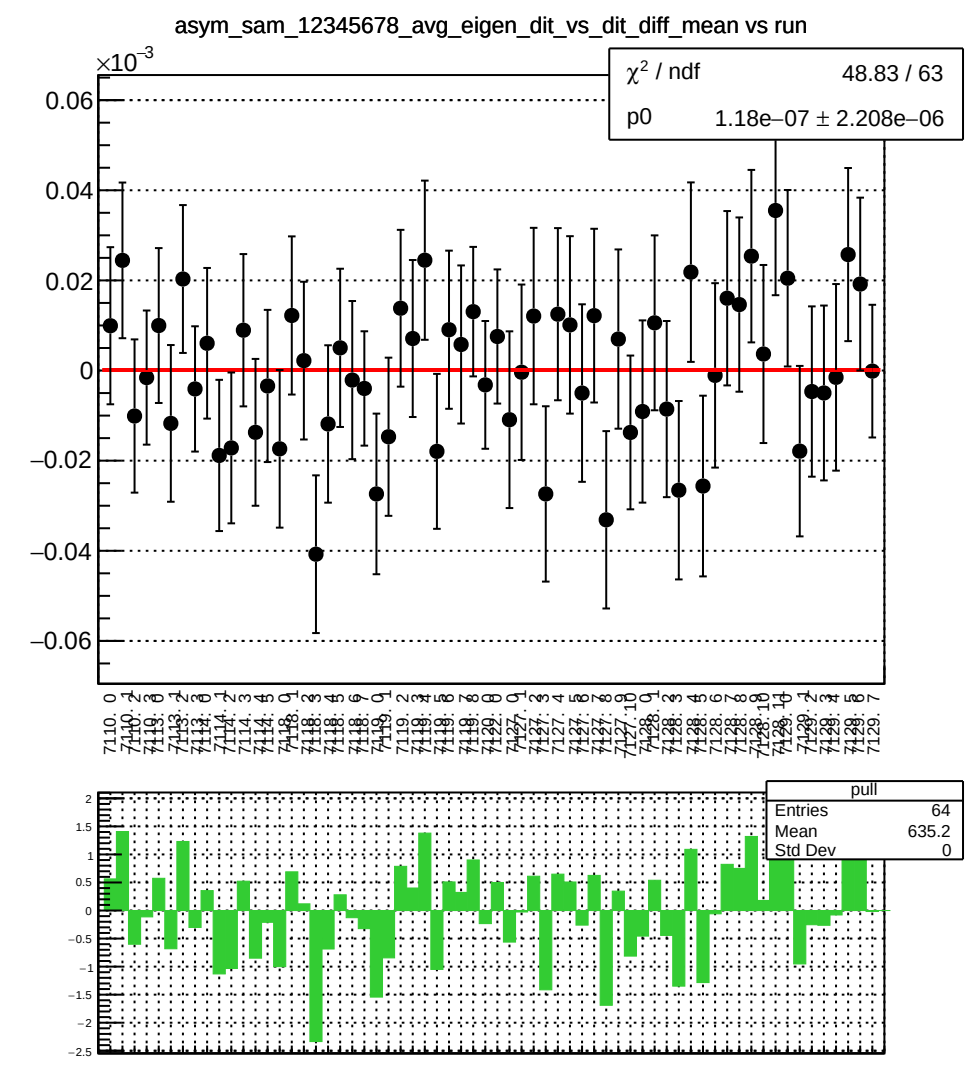

pull1D
Entries 64
Mean 0.04295
Std Dev 0.8616

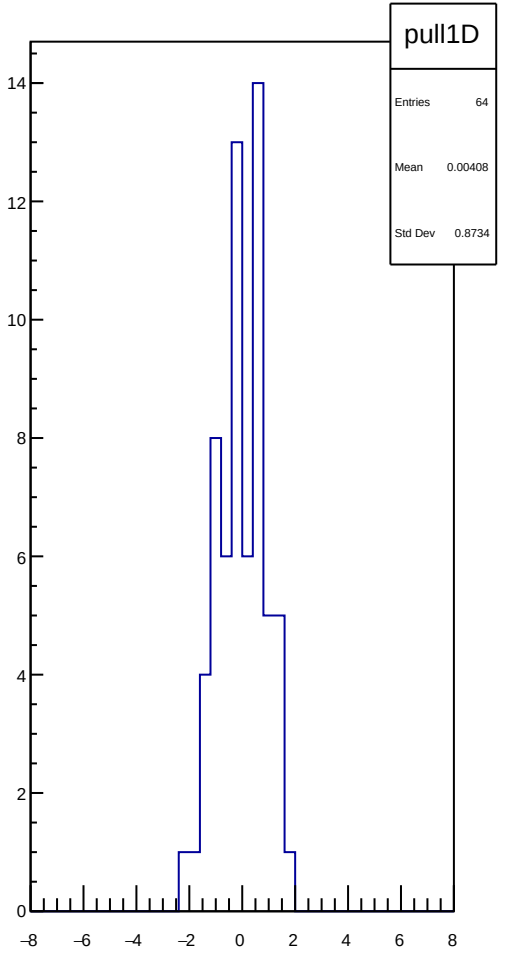

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.155e+05 / 63
p0 59.99 ± 0.05693
200
180
160
140
120
100
80
60
40

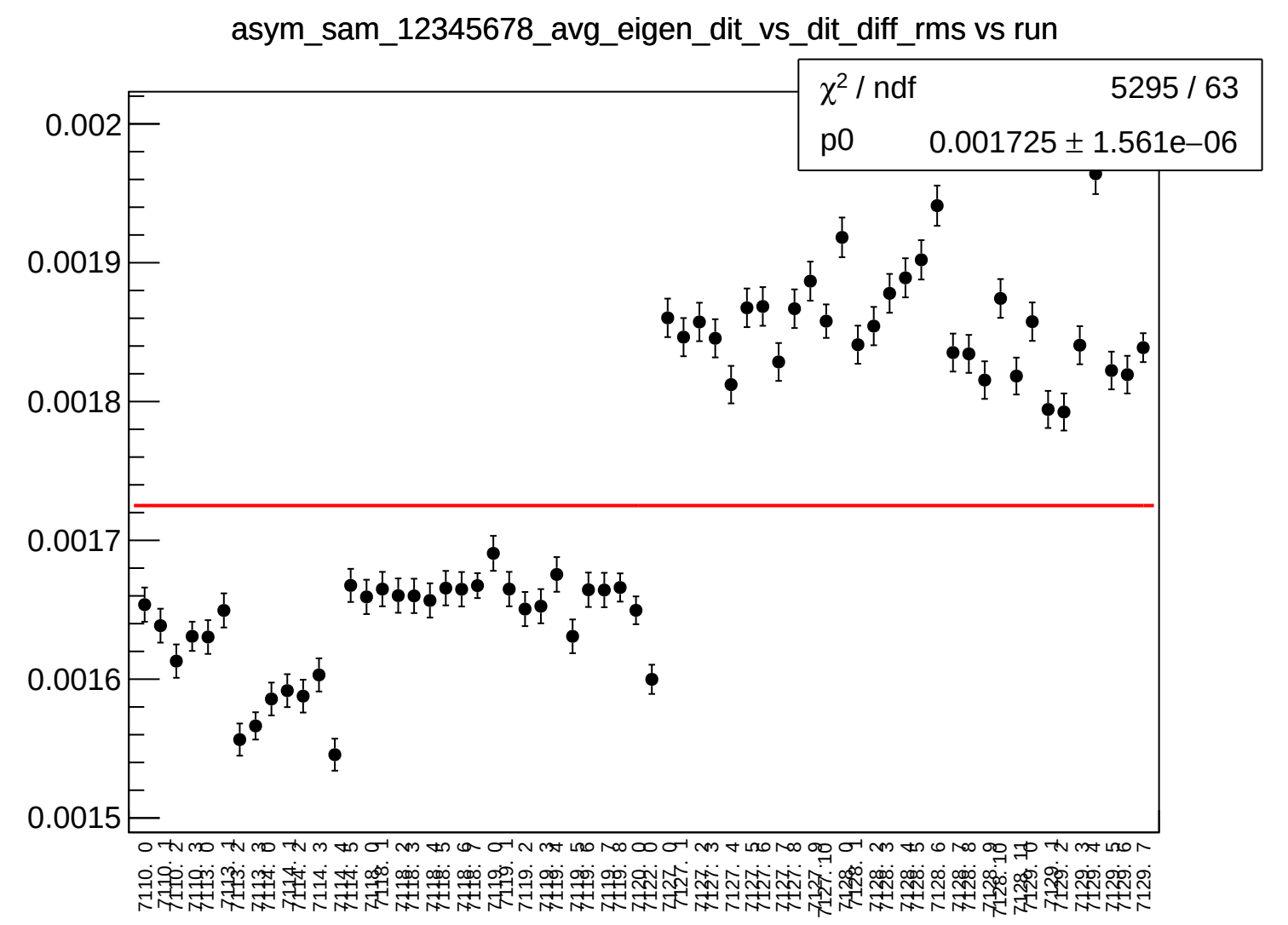

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.62 / 63
p0 −0.1567 ± 0.08051
pull
Entries 64
Mean −54.25
Std Dev 0

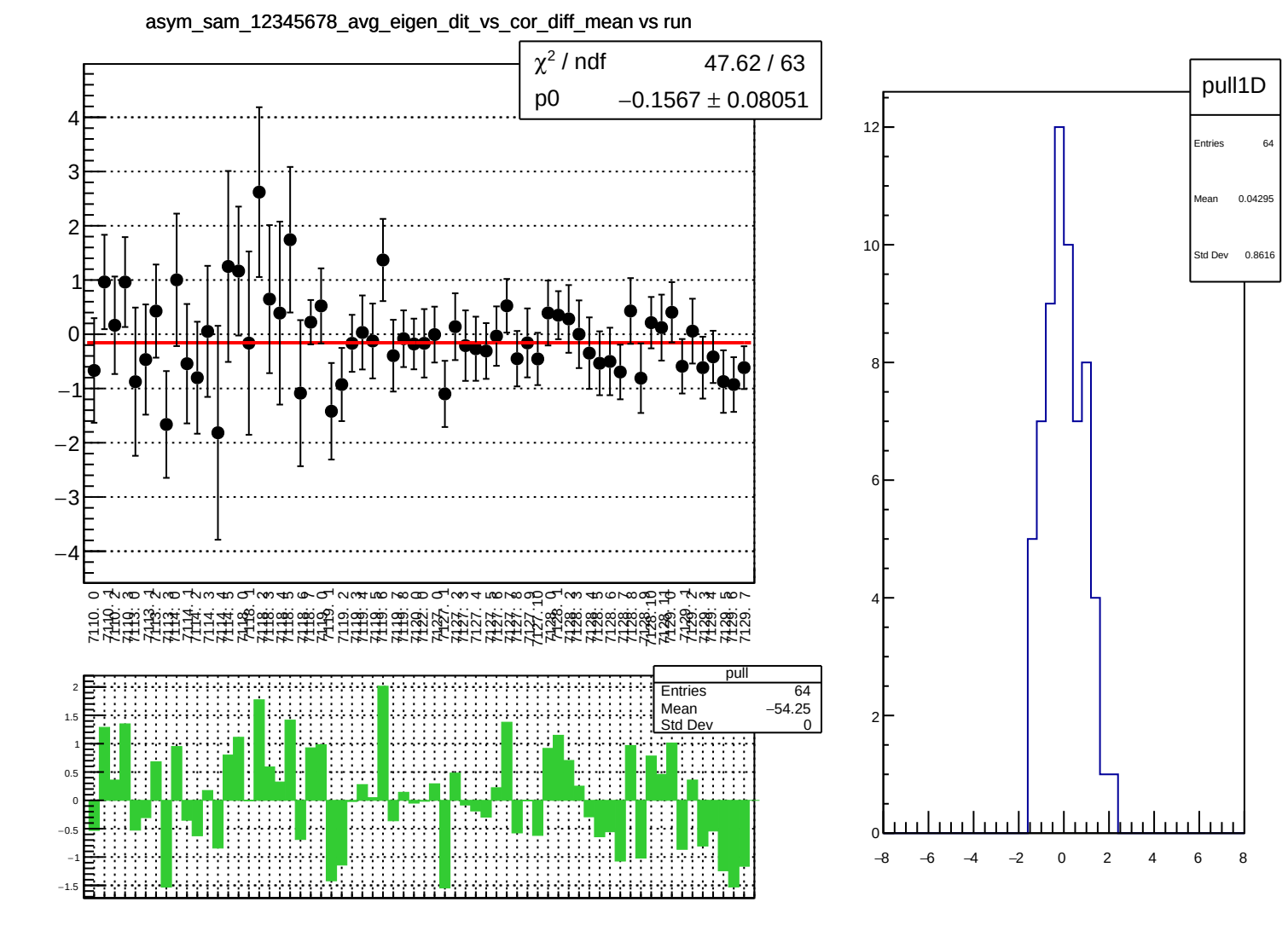

pull1D
Entries 64
Mean 0.04295
Std Dev 0.8616

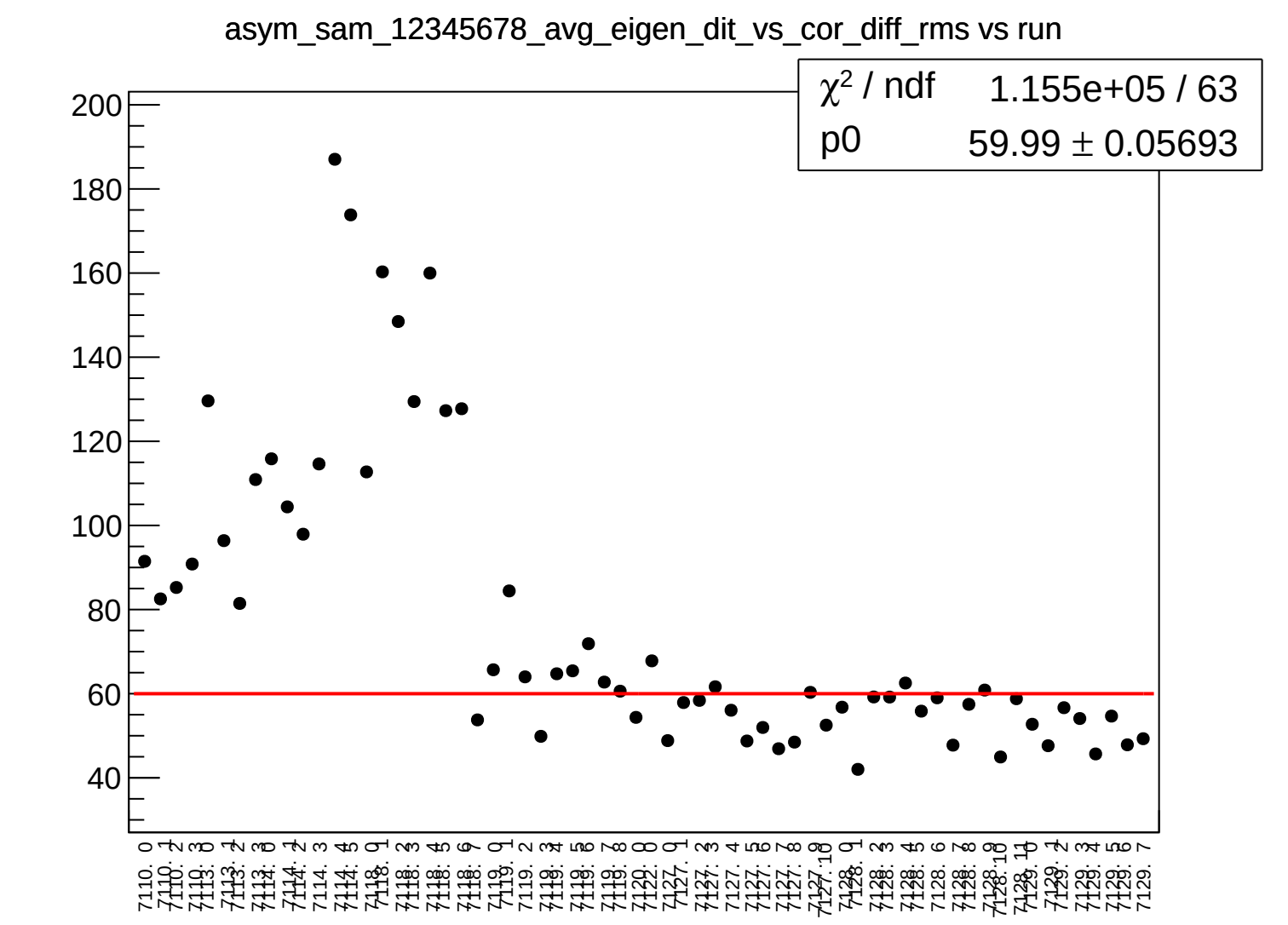

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.155e+05 / 63
p0 59.99 ± 0.05693
200
180
160
140
120
100
80
60
40

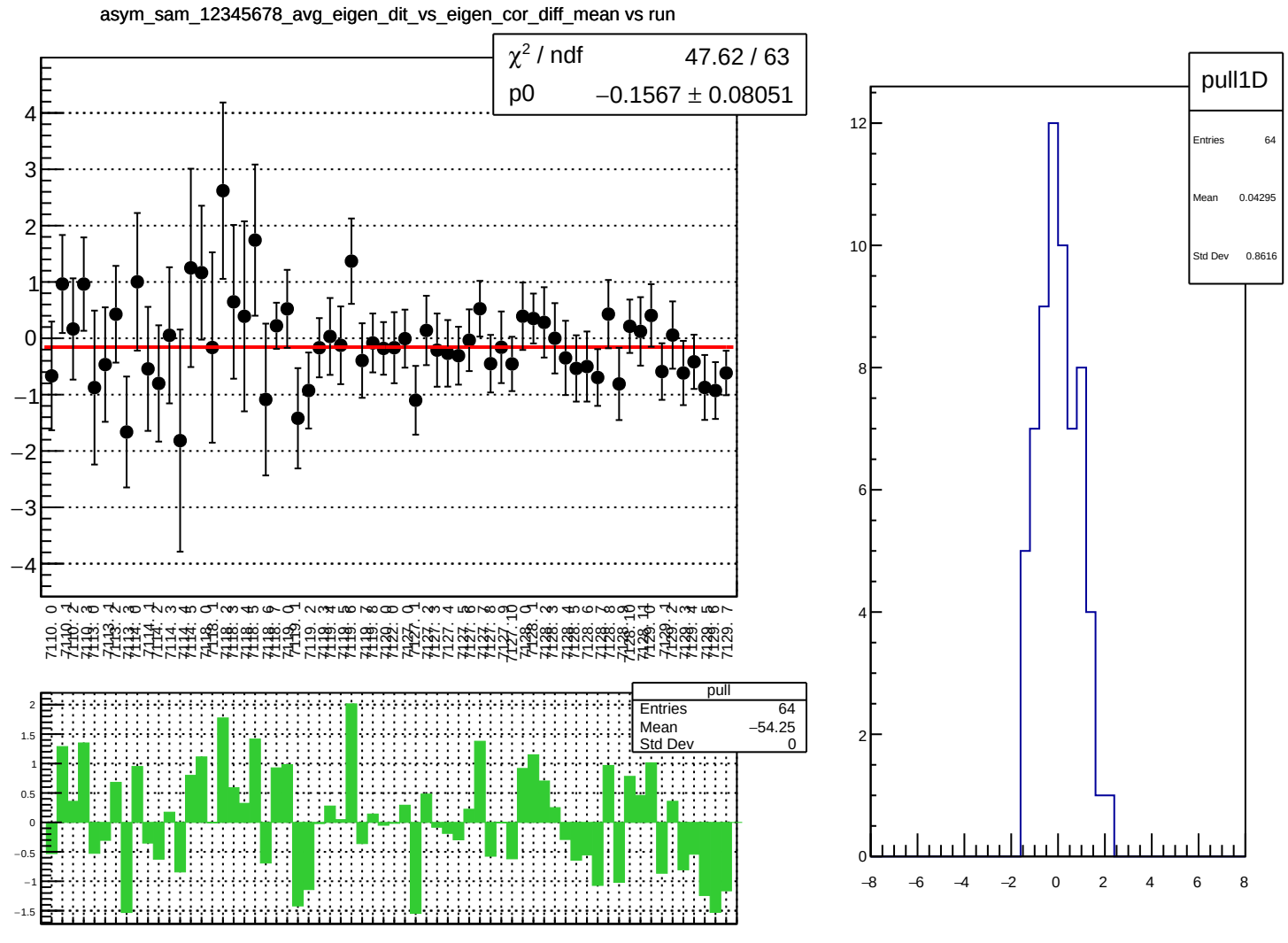

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.83 / 63
p0 1.18e−07 ± 2.208e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 64
Mean 635.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

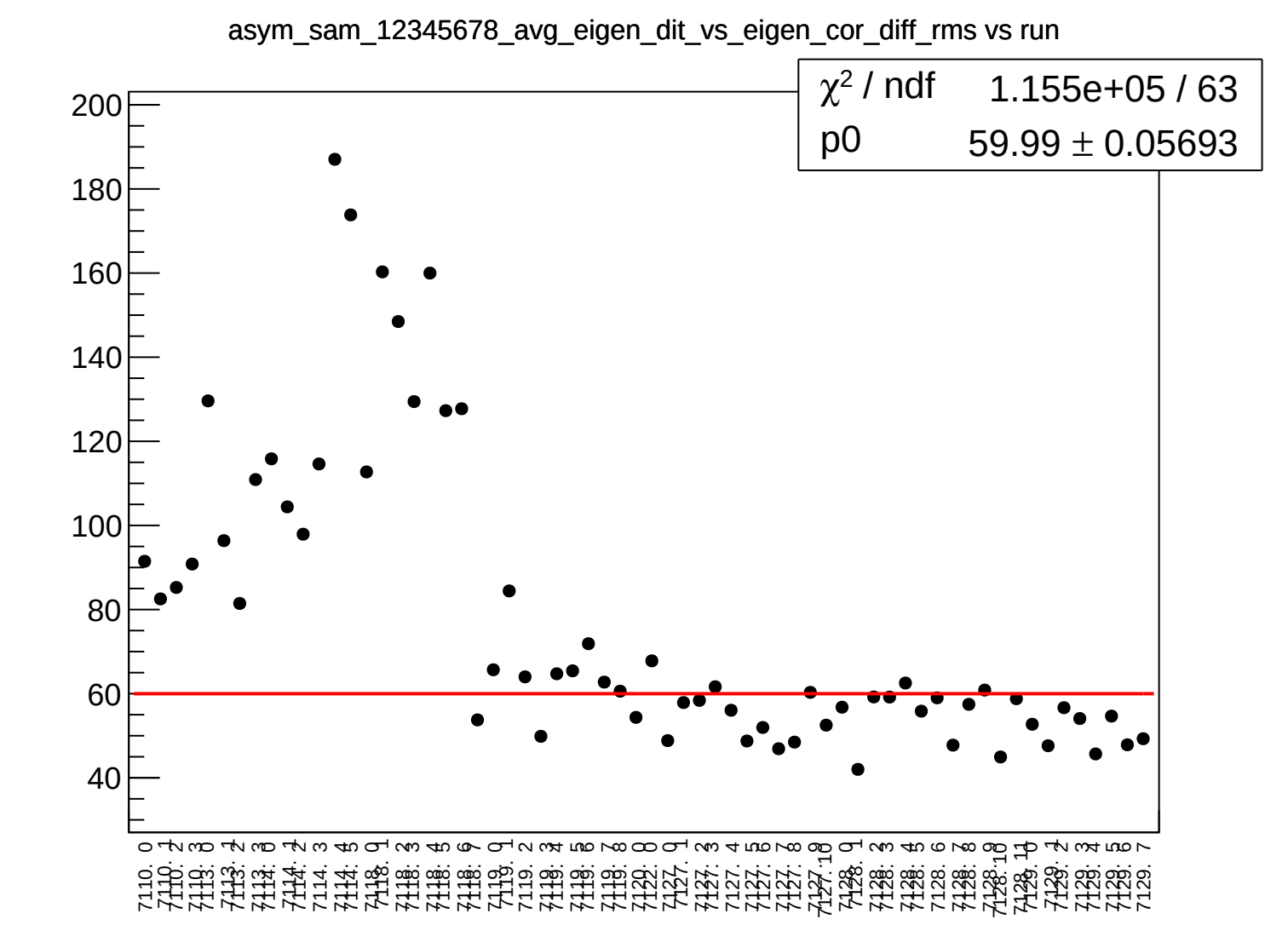

pull1D
Entries 64
Mean 0.00408
Std Dev 0.8734
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

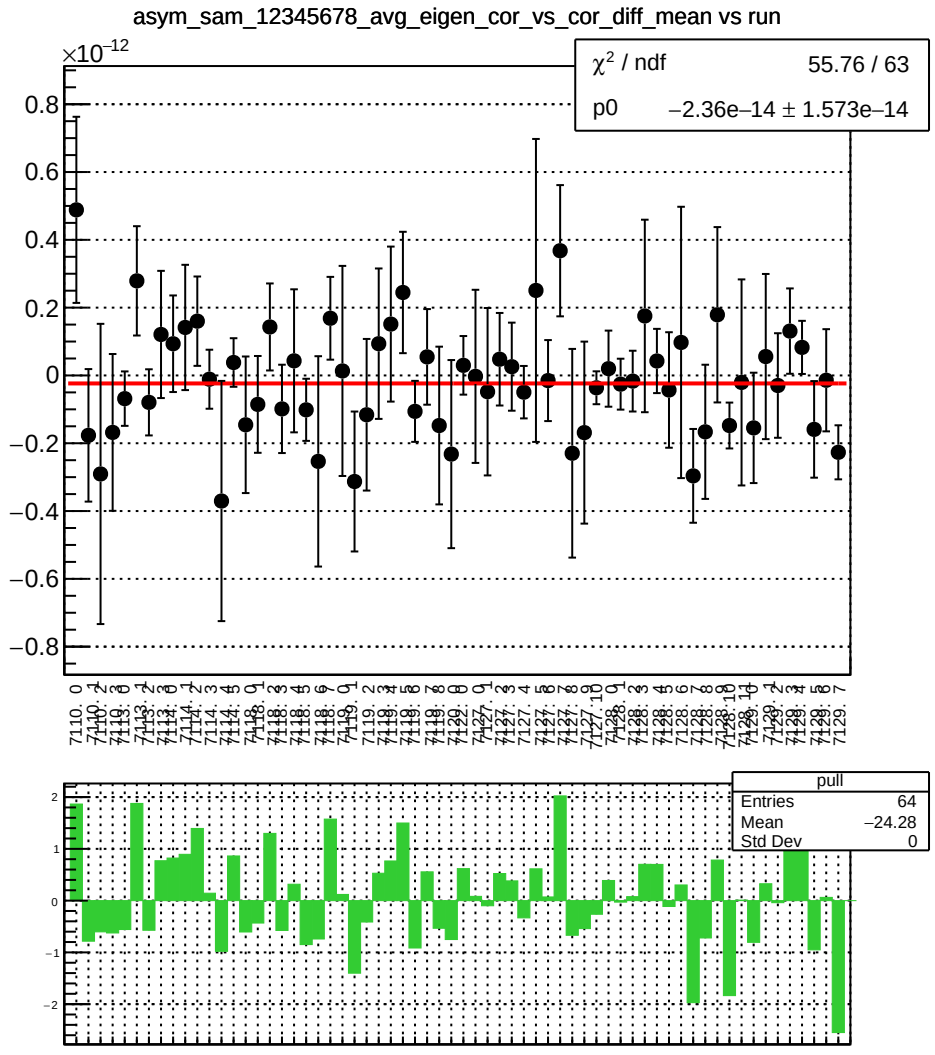

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5295 / 63
p0 0.001725 ± 1.561e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

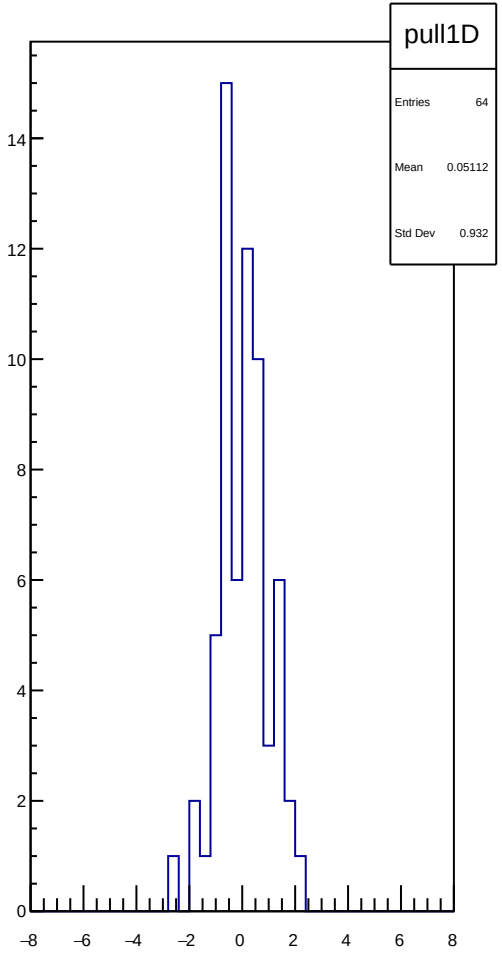

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.62 / 63
p0 −0.1567 ± 0.08051
pull
Entries 64
Mean −54.25
Std Dev 0
pull1D
Entries 64
Mean 0.04295
Std Dev 0.8616

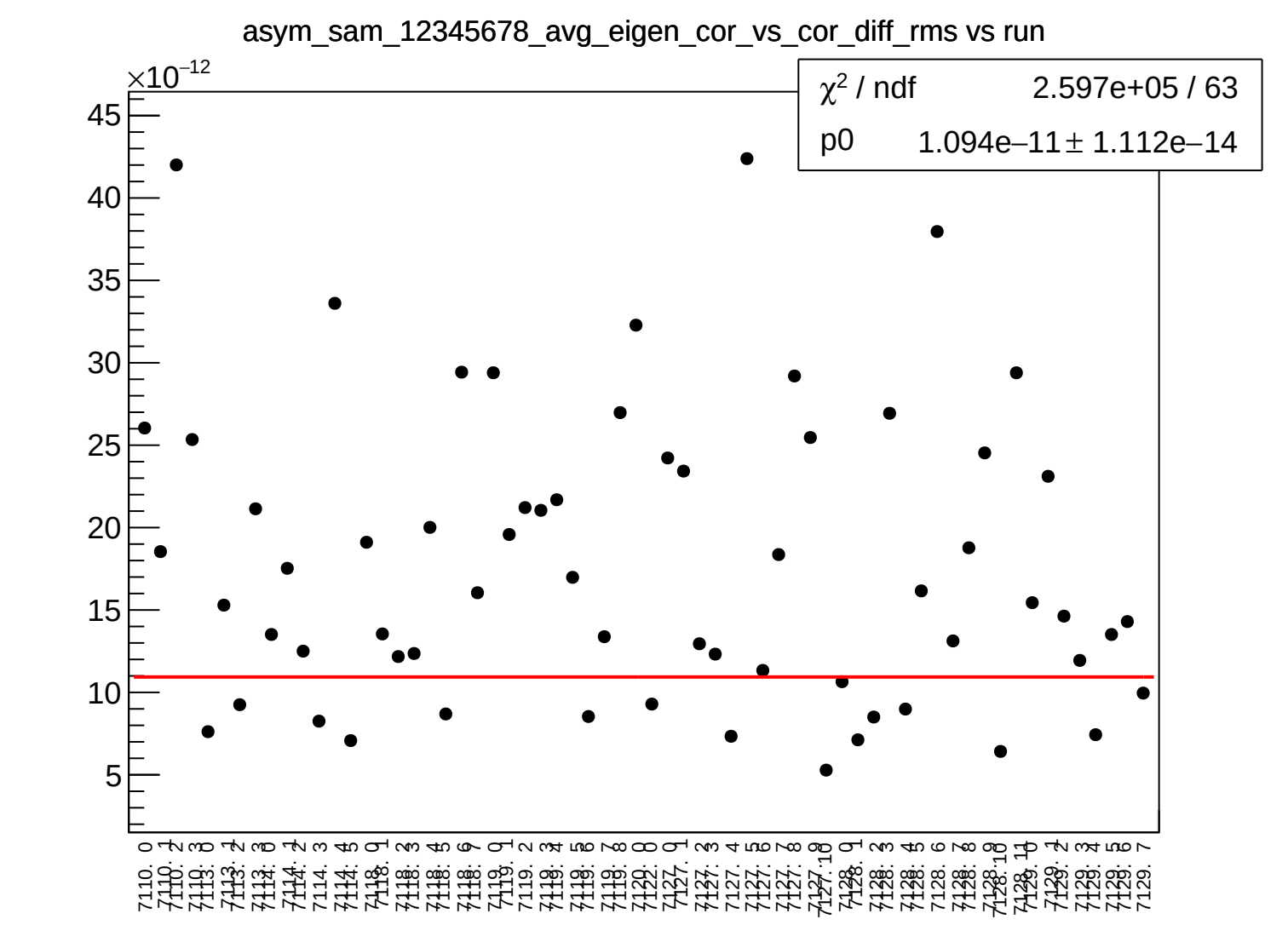

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.155e+05 / 63
p0 59.99 ± 0.05693
200
180
160
140
120
100
80
60
40

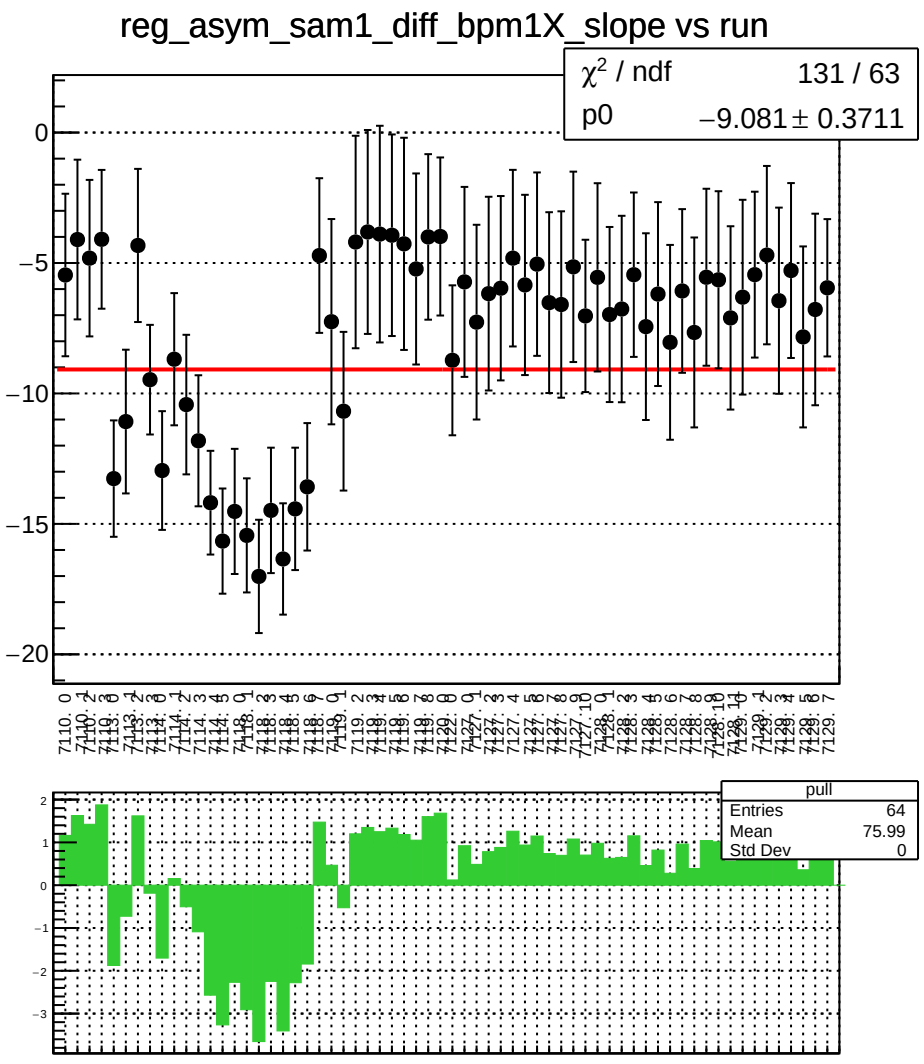

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.62 / 63
p0 −0.1567 ± 0.08051
pull
Entries 64
Mean −54.25
Std Dev 0
pull1D
Entries 64
Mean 0.04295
Std Dev 0.8616

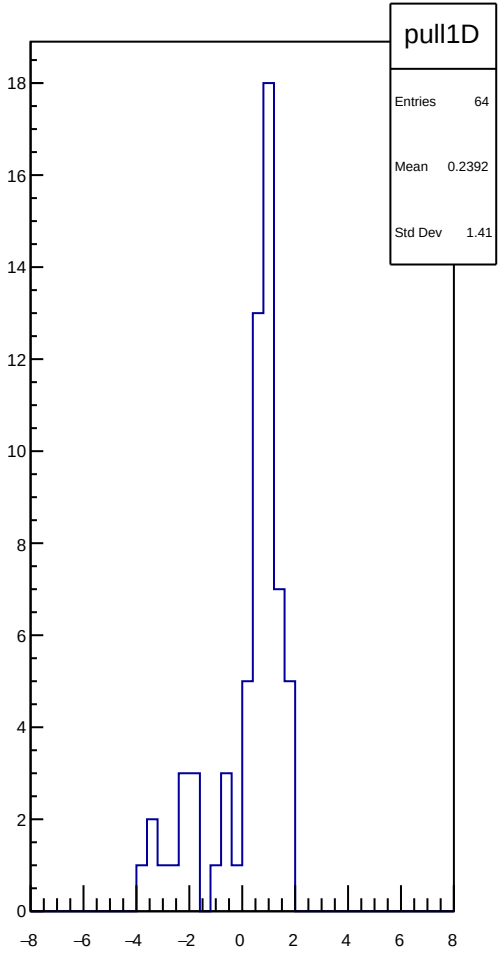

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.155e+05 / 63
p0 59.99 ± 0.05693
200
180
160
140
120
100
80
60
40

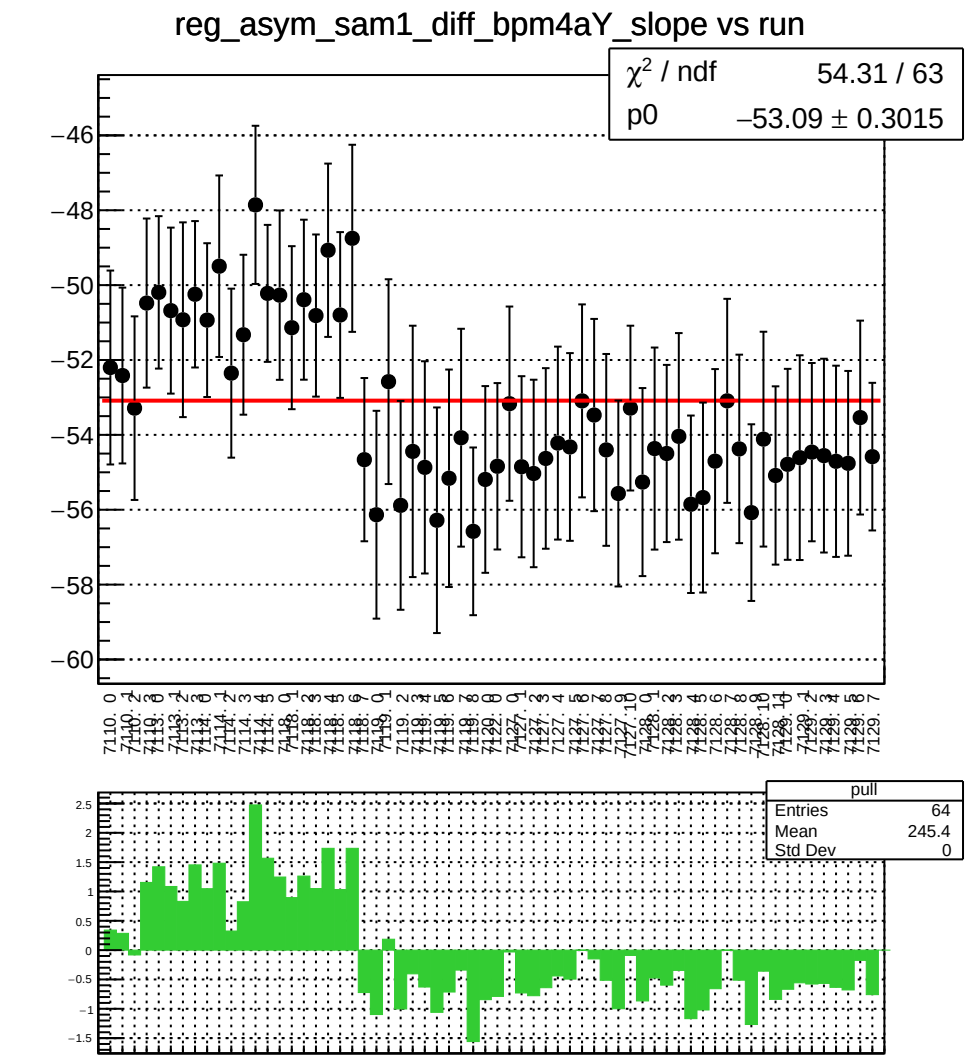

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.76 / 63
p0 −2.36e−14 ± 1.573e−14
pull
Entries 64
Mean −24.28
Std Dev 0

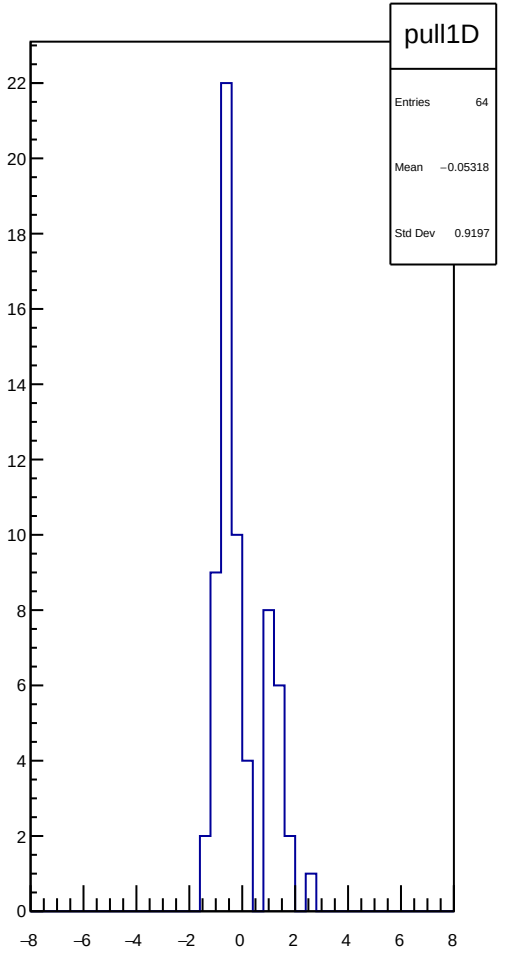

pull1D
Entries 64
Mean 0.05112
Std Dev 0.932

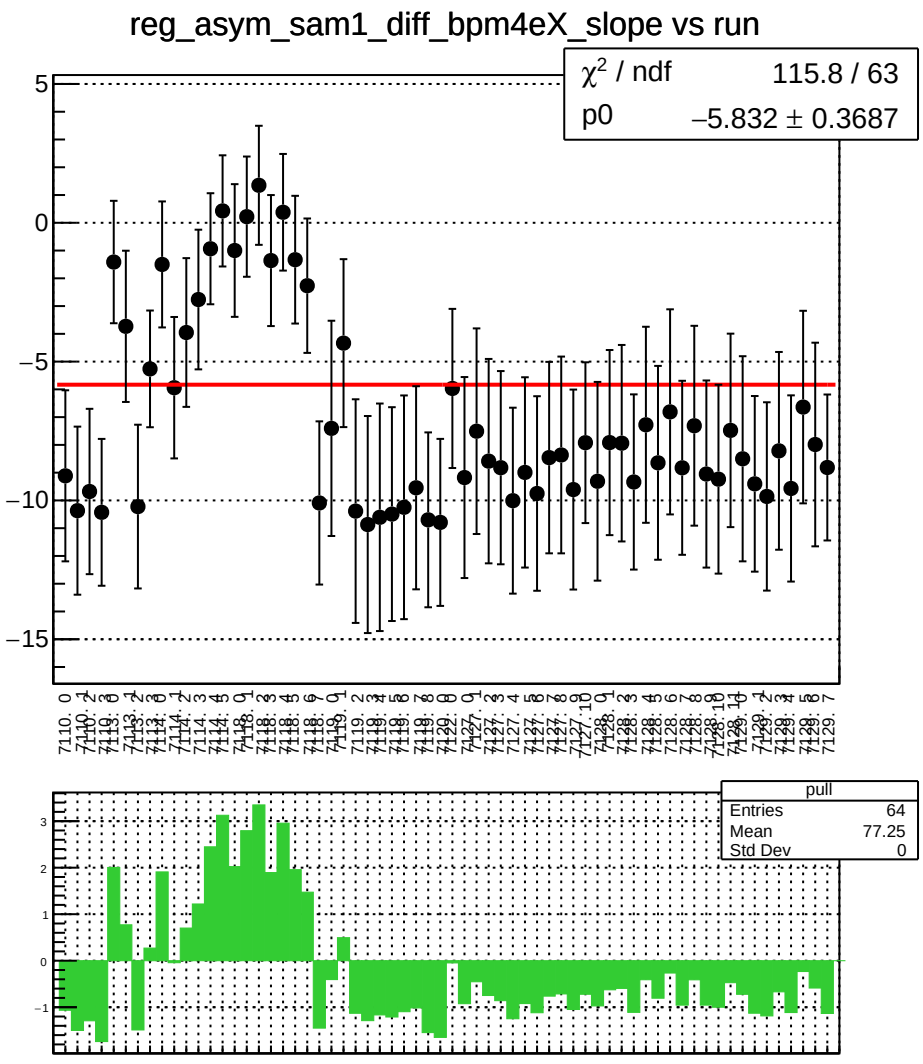

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.597e+05 / 63
p0 1.094e−11 ± 1.112e−14
45
40
35
30
25
20
15
10
5

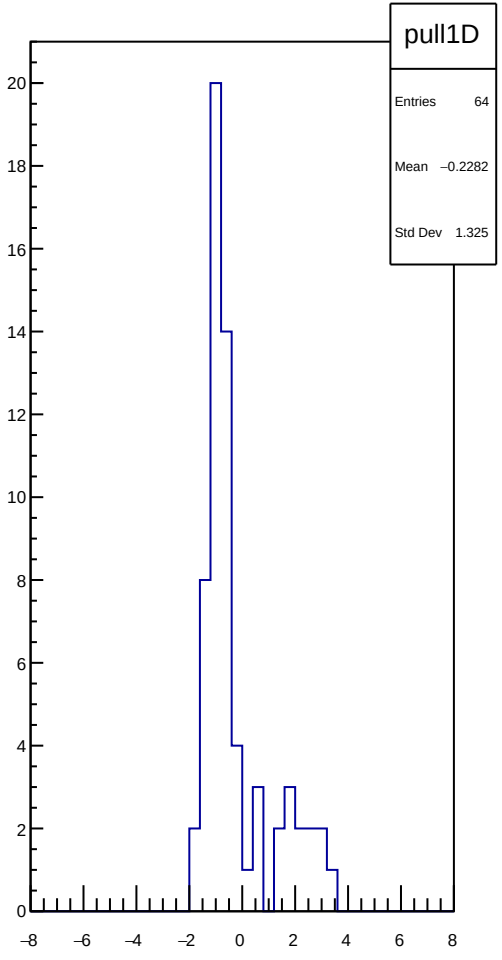

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 131 / 63
p0 −9.081 ± 0.3711
pull
Entries 64
Mean 75.99
Std Dev 0

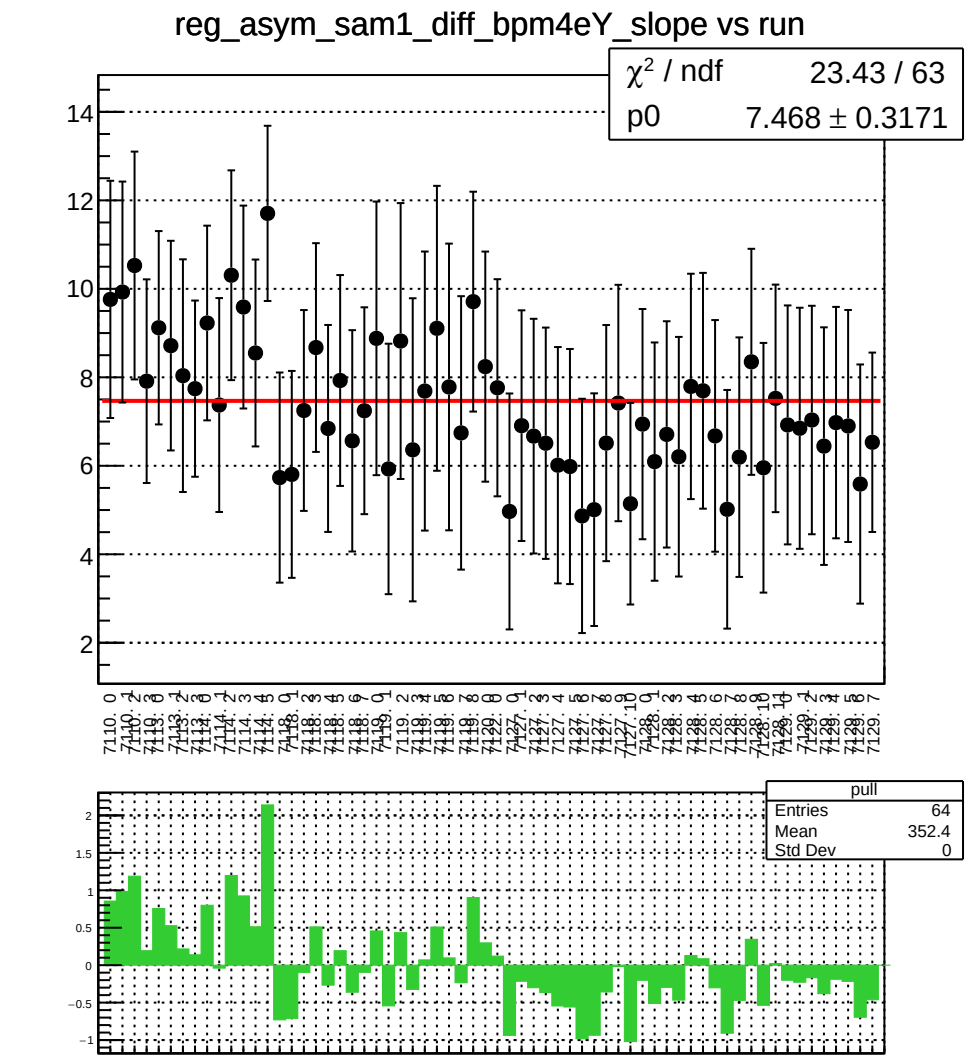

pull1D
Entries 64
Mean 0.2392
Std Dev 1.41

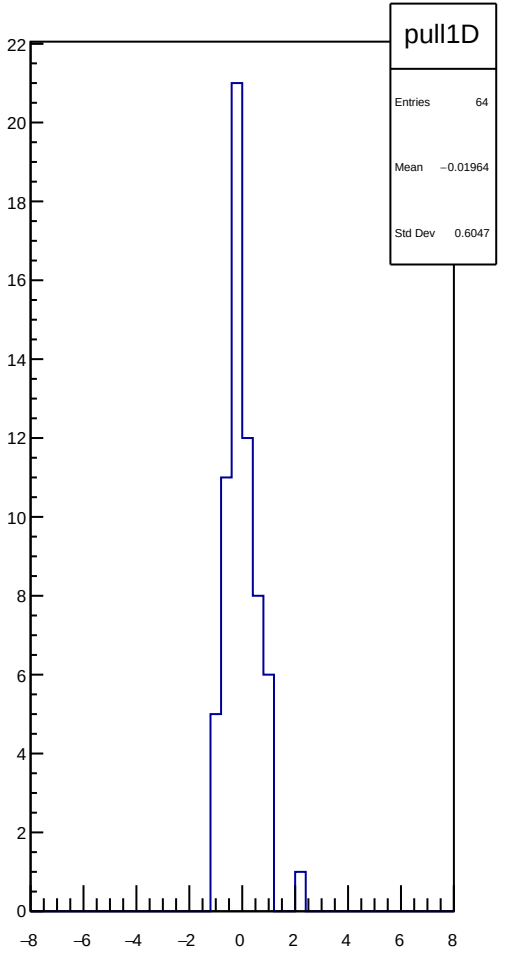

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 54.31 / 63
p0 −53.09 ± 0.3015
pull
Entries 64
Mean 245.4
Std Dev 0

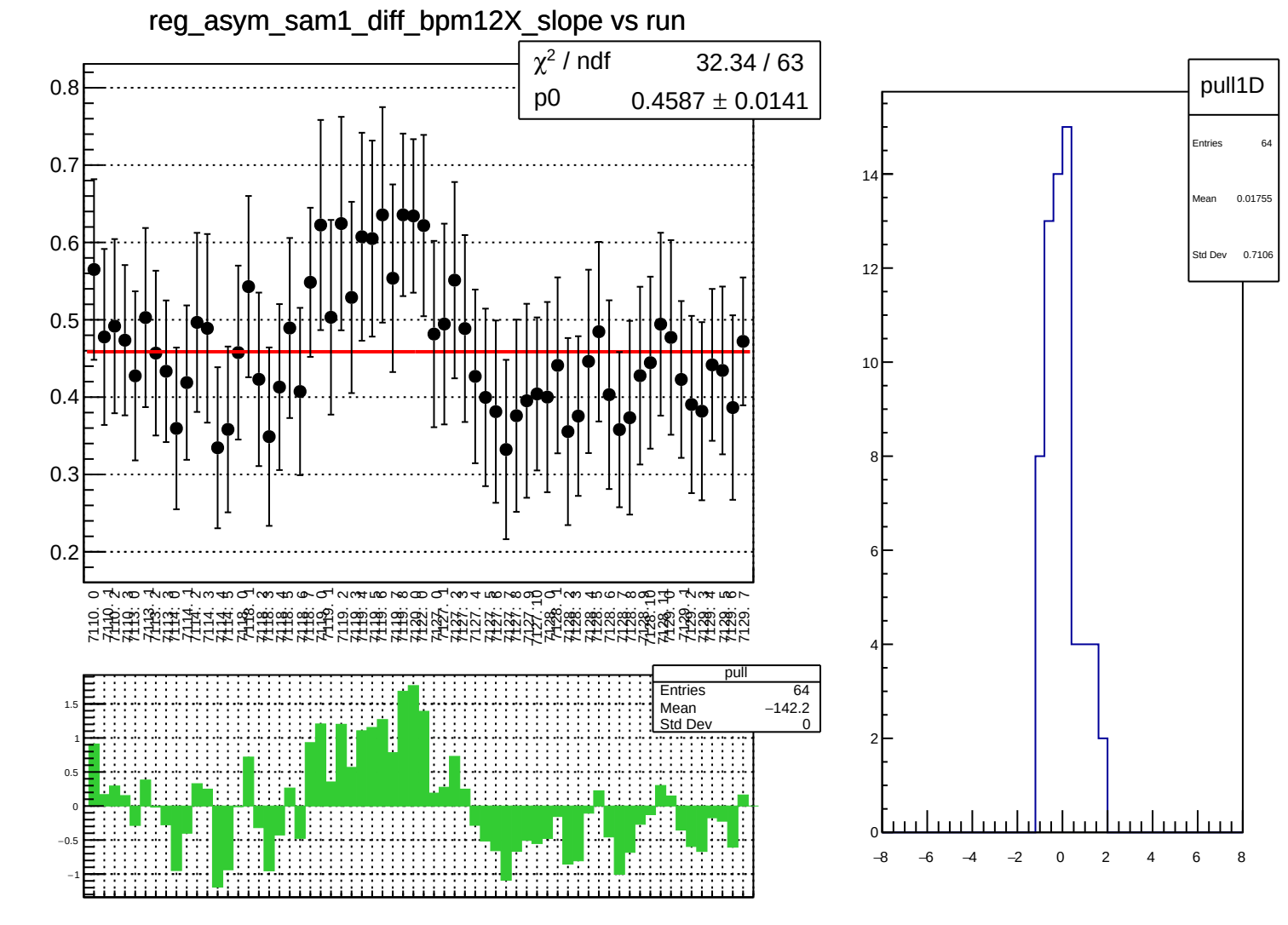

pull1D
Entries 64
Mean −0.05318
Std Dev 0.9197

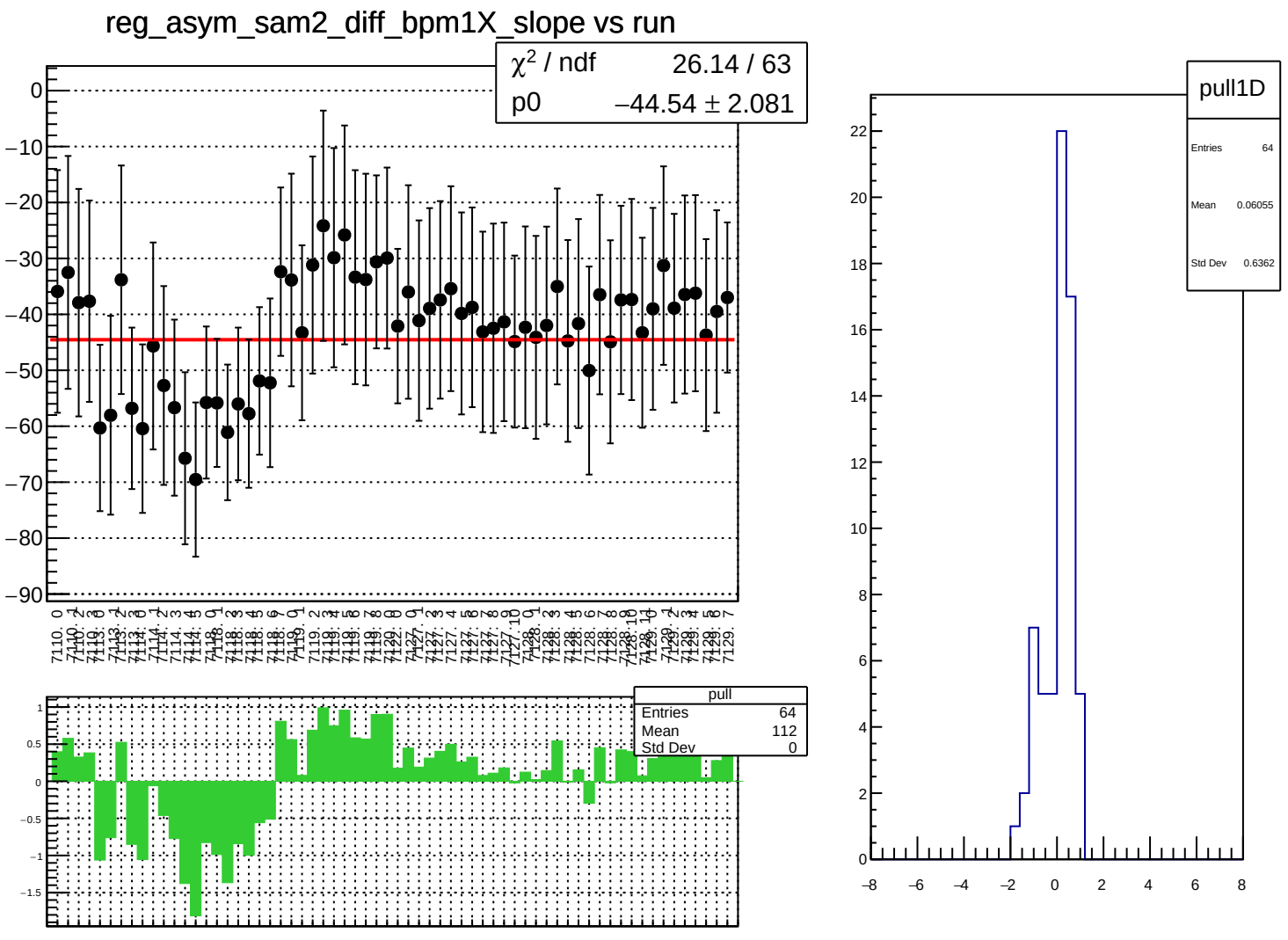

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 115.8 / 63
p0 −5.832 ± 0.3687
pull
Entries 64
Mean 77.25
Std Dev 0

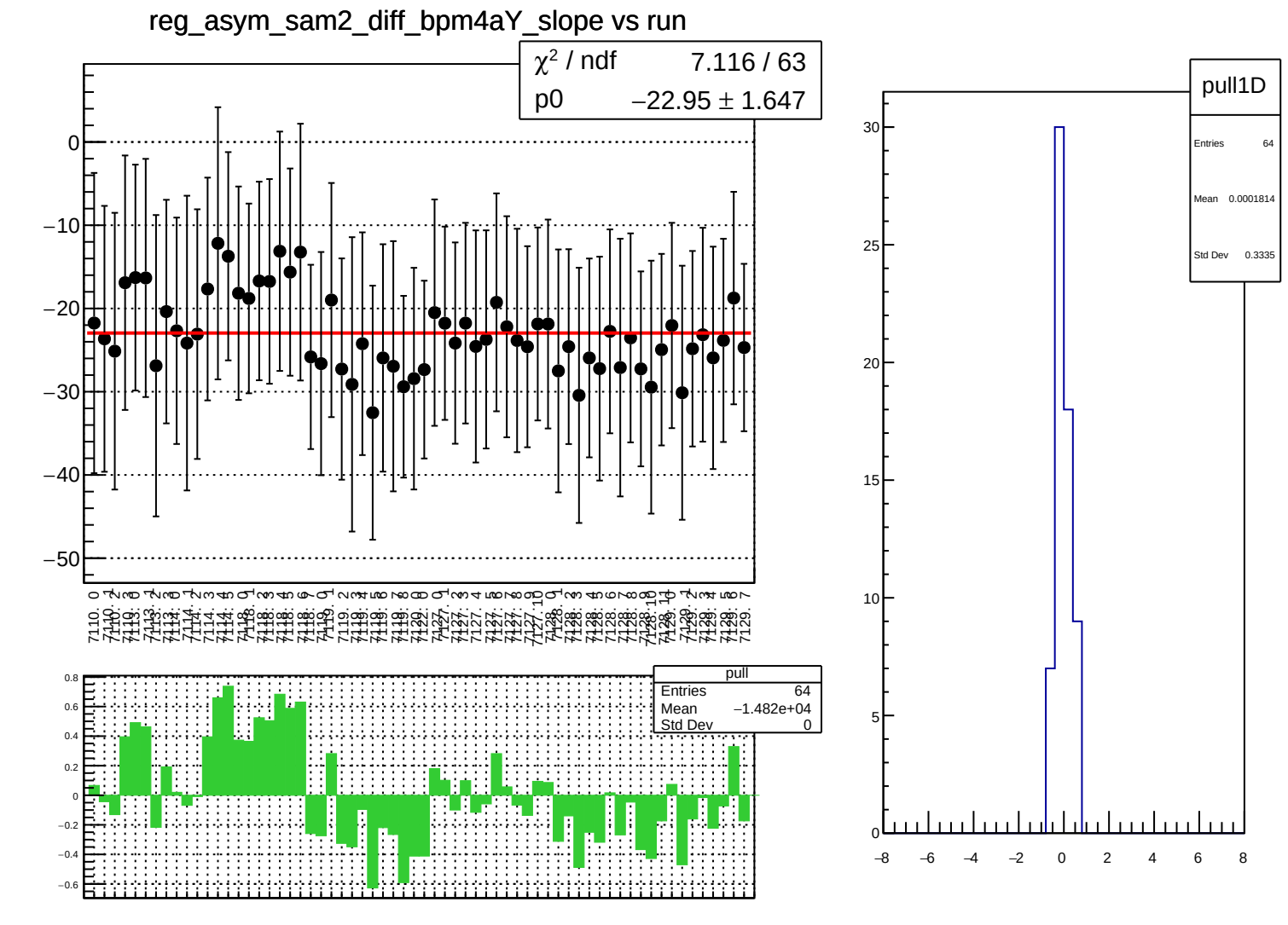

pull1D
Entries 64
Mean −0.2282
Std Dev 1.325

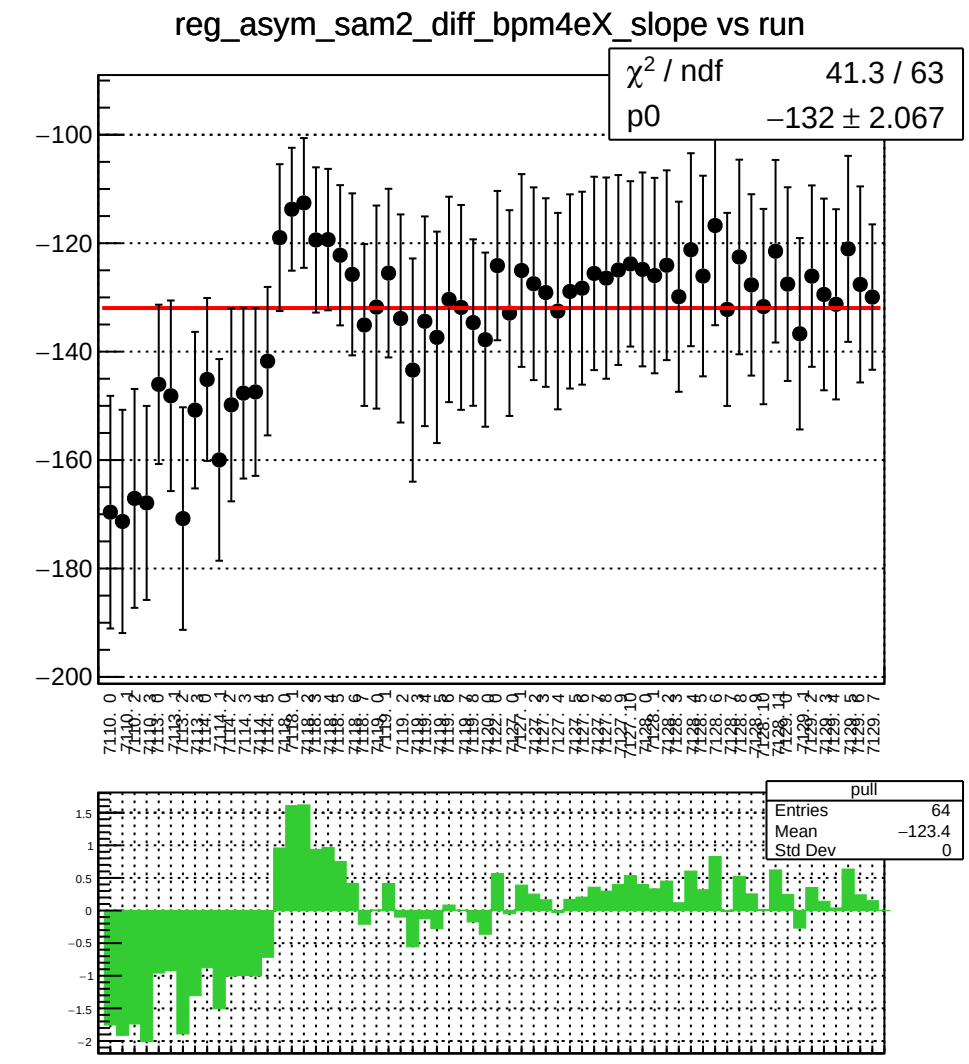

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 23.43 / 63
p0 7.468 ± 0.3171
pull
Entries 64
Mean 352.4
Std Dev 0

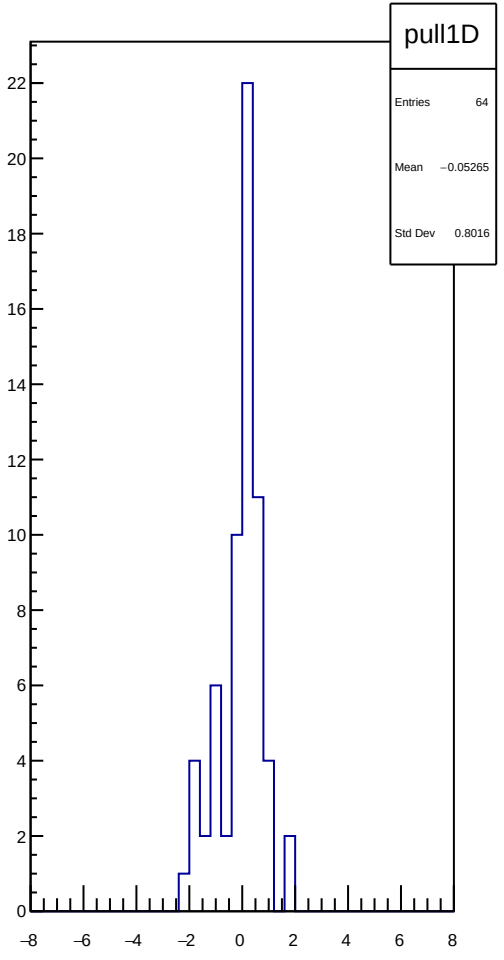

pull1D
Entries 64
Mean −0.01964
Std Dev 0.6047

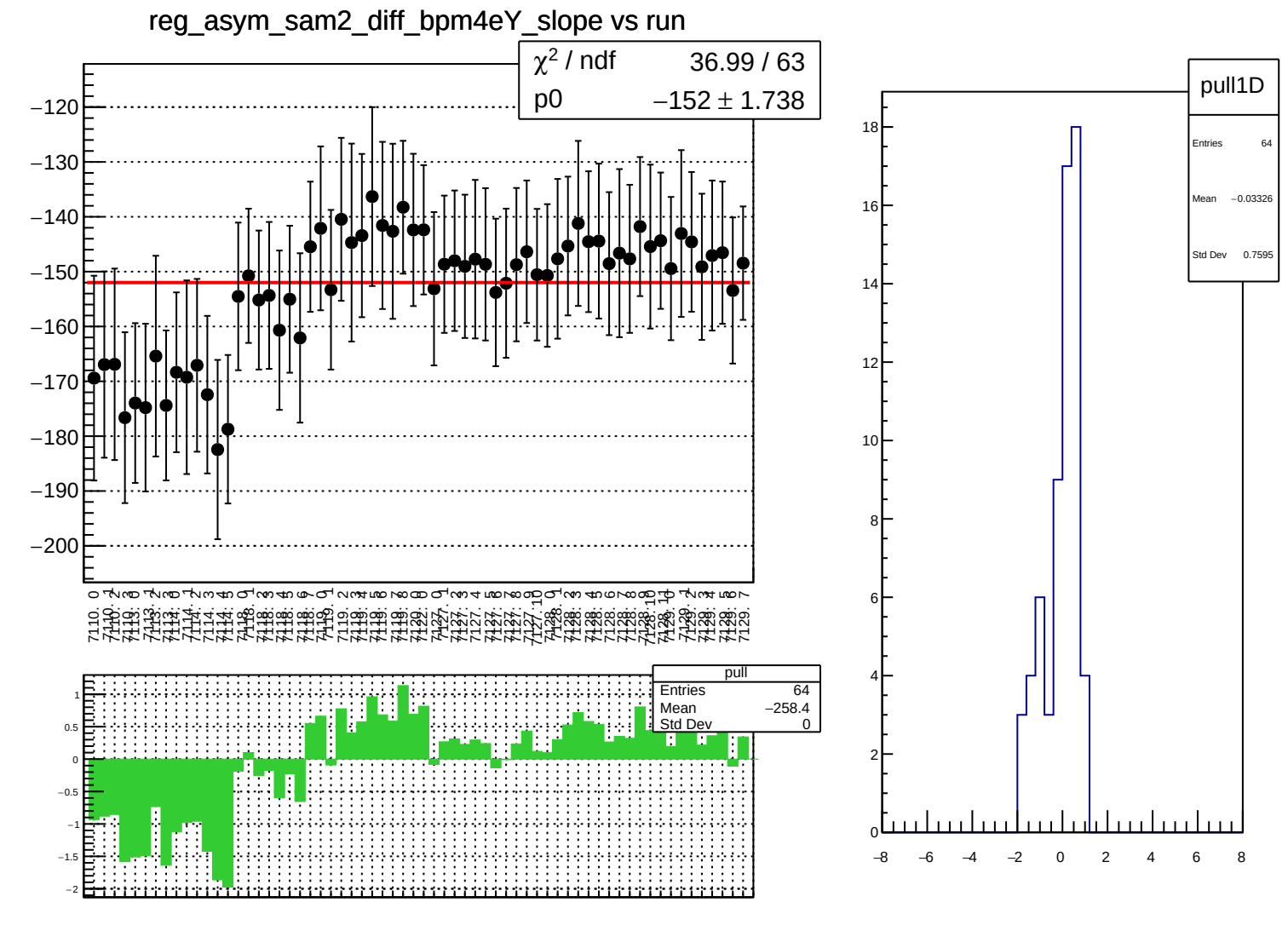

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 32.34 / 63
p0 0.4587 ± 0.0141
pull
Entries 64
Mean −142.2
Std Dev 0
pull1D
Entries 64
Mean 0.01755
Std Dev 0.7106

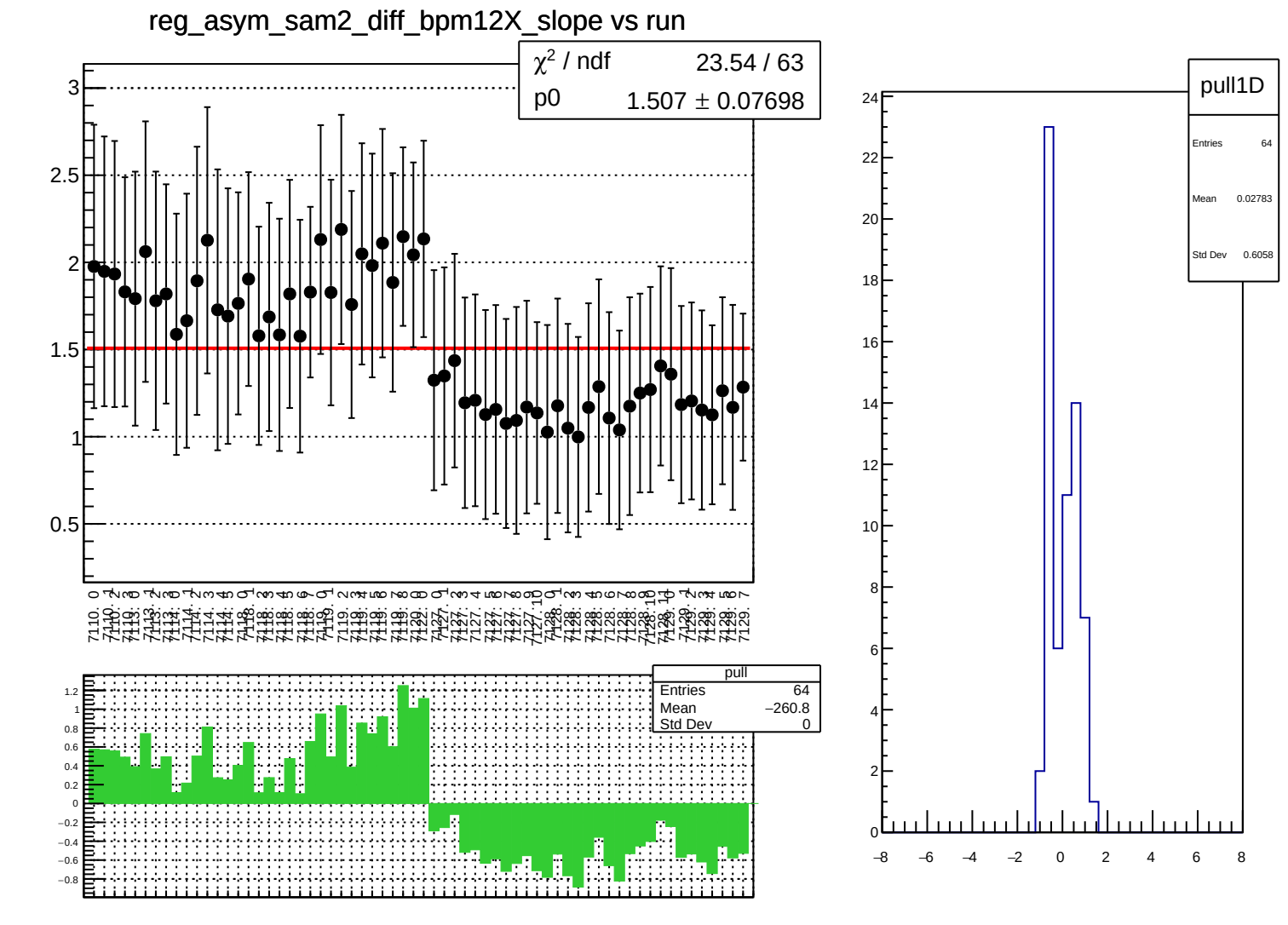

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 26.14 / 63
p0 −44.54 ± 2.081
pull
Entries 64
Mean 112
Std Dev 0
pull1D
Entries 64
Mean 0.06055
Std Dev 0.6362

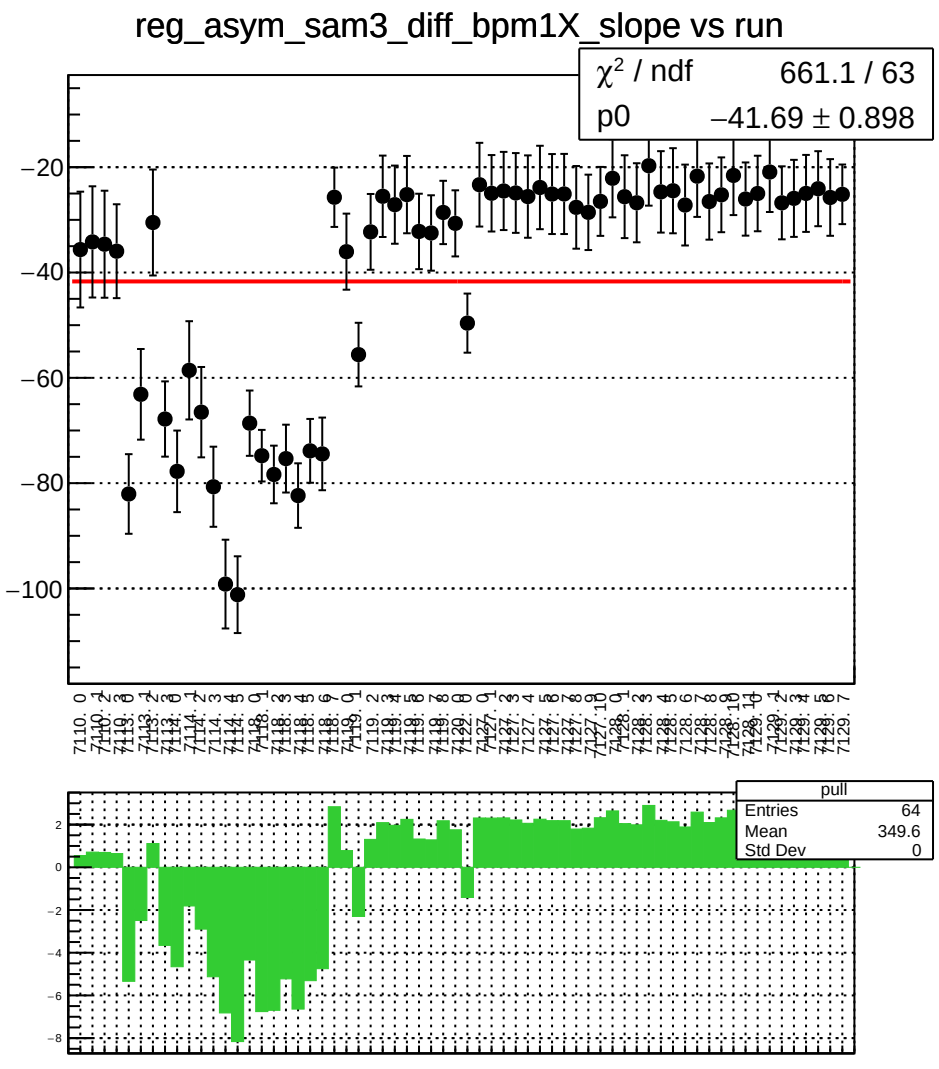

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.116 / 63
p0 −22.95 ± 1.647
pull
Entries 64
Mean −1.482e+04
Std Dev 0
pull1D
Entries 64
Mean 0.0001814
Std Dev 0.3335

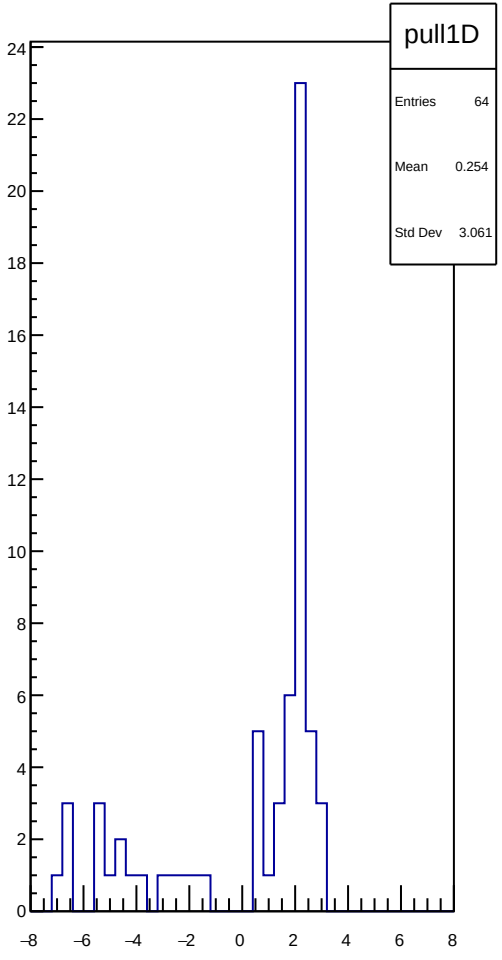

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 41.3 / 63
p0 −132 ± 2.067
pull
Entries 64
Mean −123.4
Std Dev 0

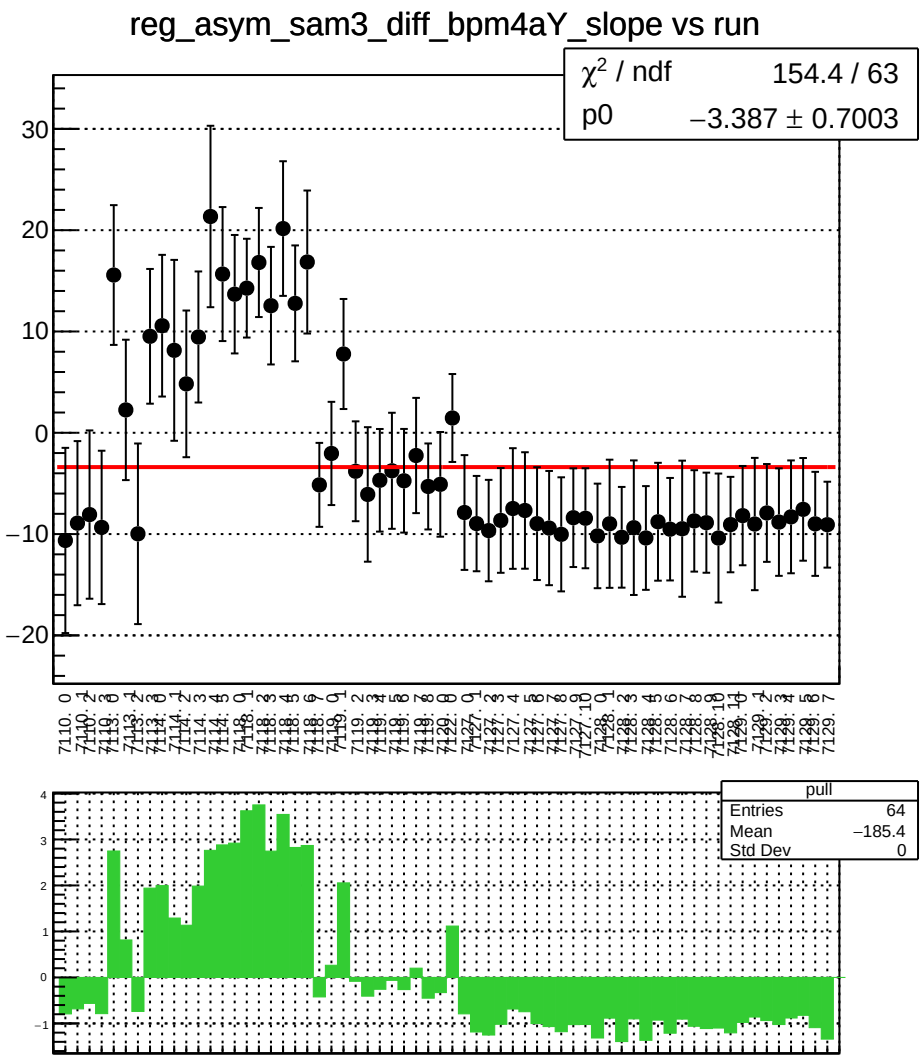

pull1D
Entries 64
Mean −0.05265
Std Dev 0.8016

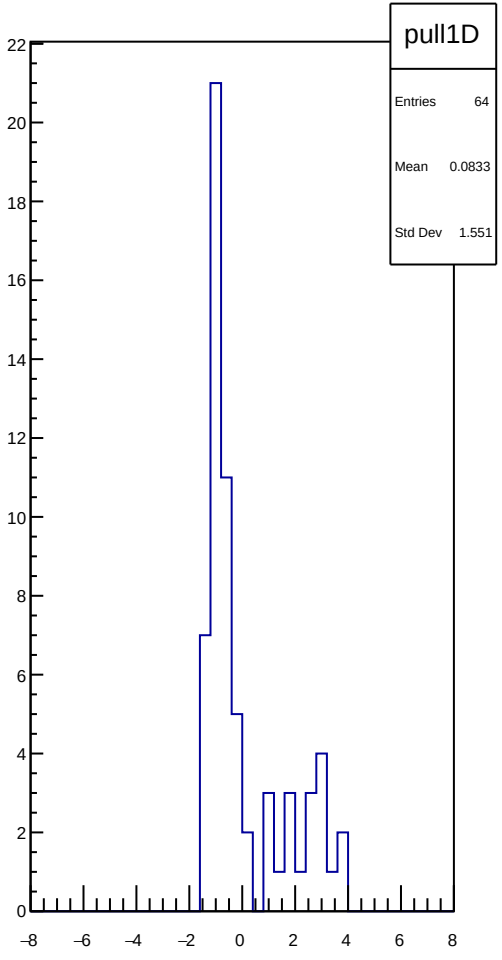

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 36.99 / 63
p0 −152 ± 1.738
pull
Entries 64
Mean −258.4
Std Dev 0
pull1D
Entries 64
Mean −0.03326
Std Dev 0.7595

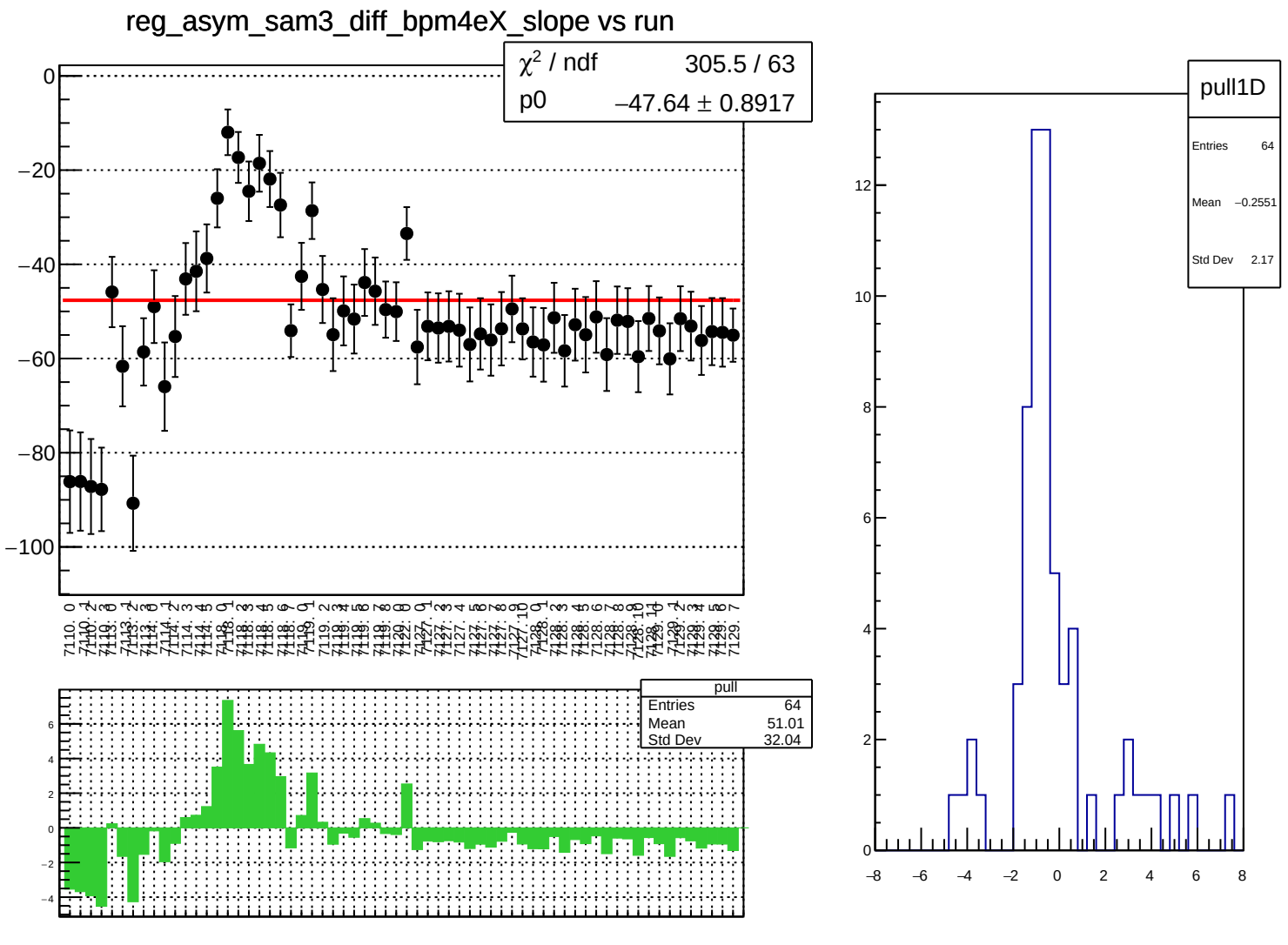

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 23.54 / 63
p0 1.507 ± 0.07698
pull
Entries 64
Mean −260.8
Std Dev 0
pull1D
Entries 64
Mean 0.02783
Std Dev 0.6058

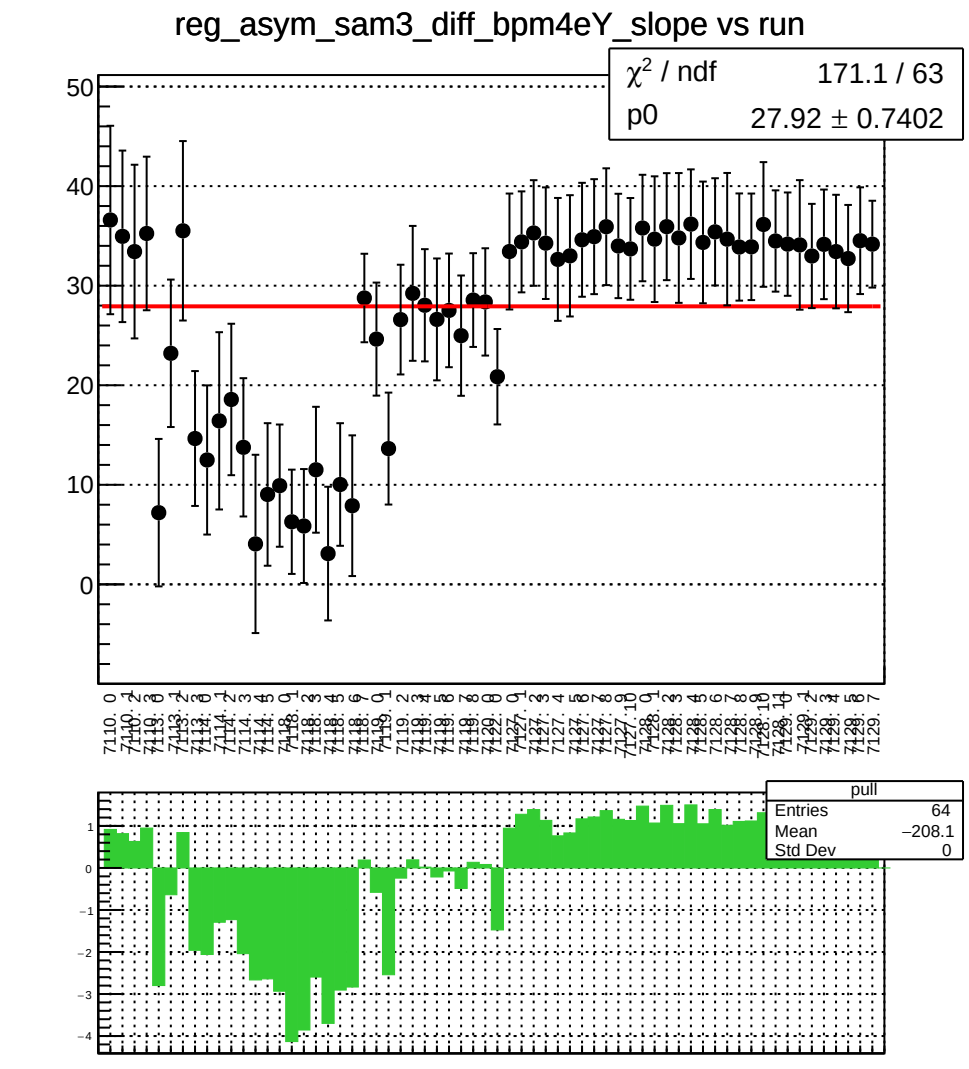

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 661.1 / 63
p0 −41.69 ± 0.898
pull
Entries 64
Mean 349.6
Std Dev 0

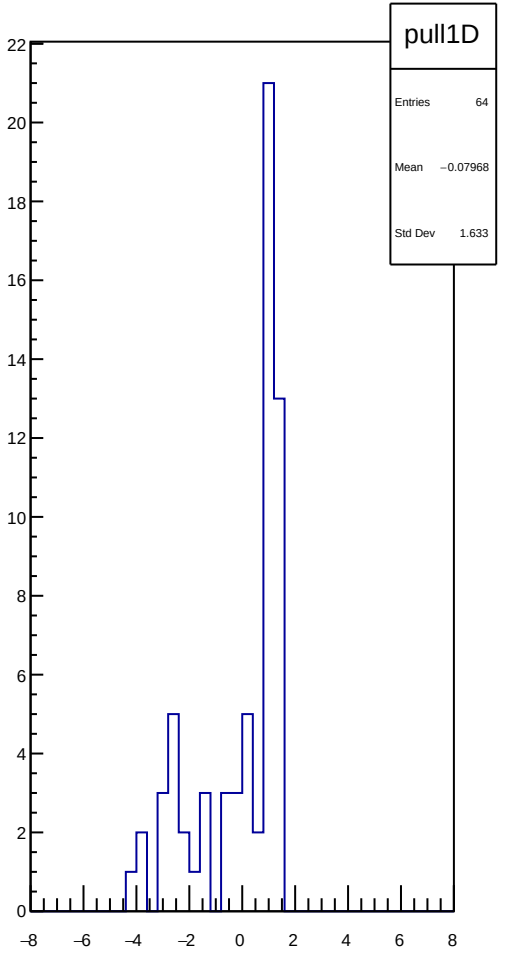

pull1D
Entries 64
Mean 0.254
Std Dev 3.061

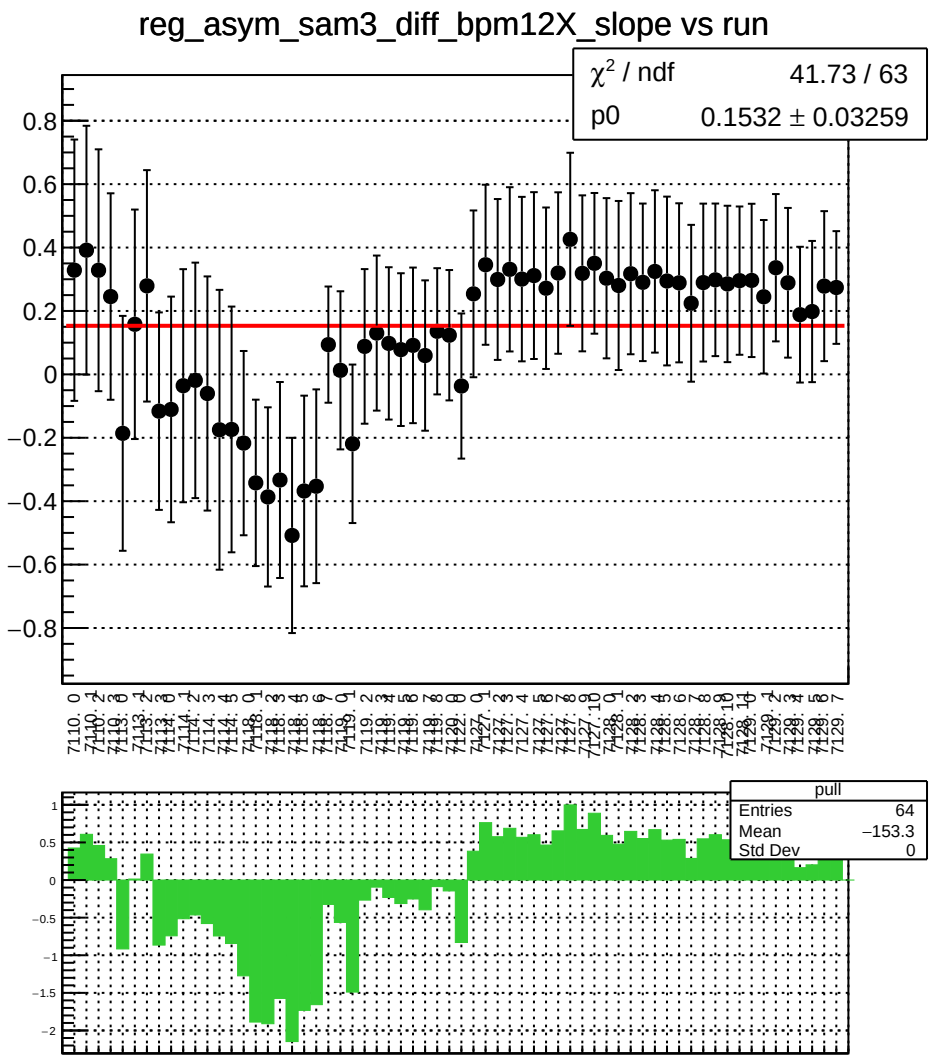

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 154.4 / 63
p0 −3.387 ± 0.7003
pull
Entries 64
Mean −185.4
Std Dev 0

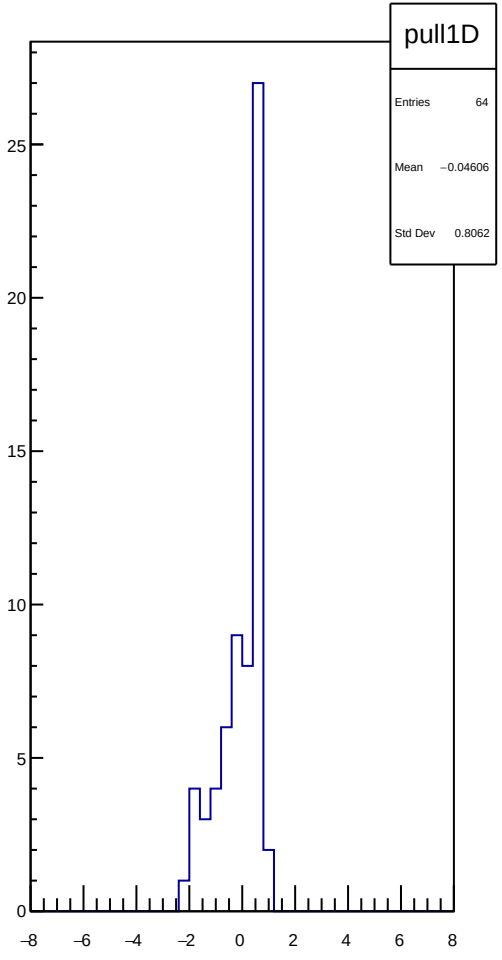

pull1D
Entries 64
Mean 0.0833
Std Dev 1.551

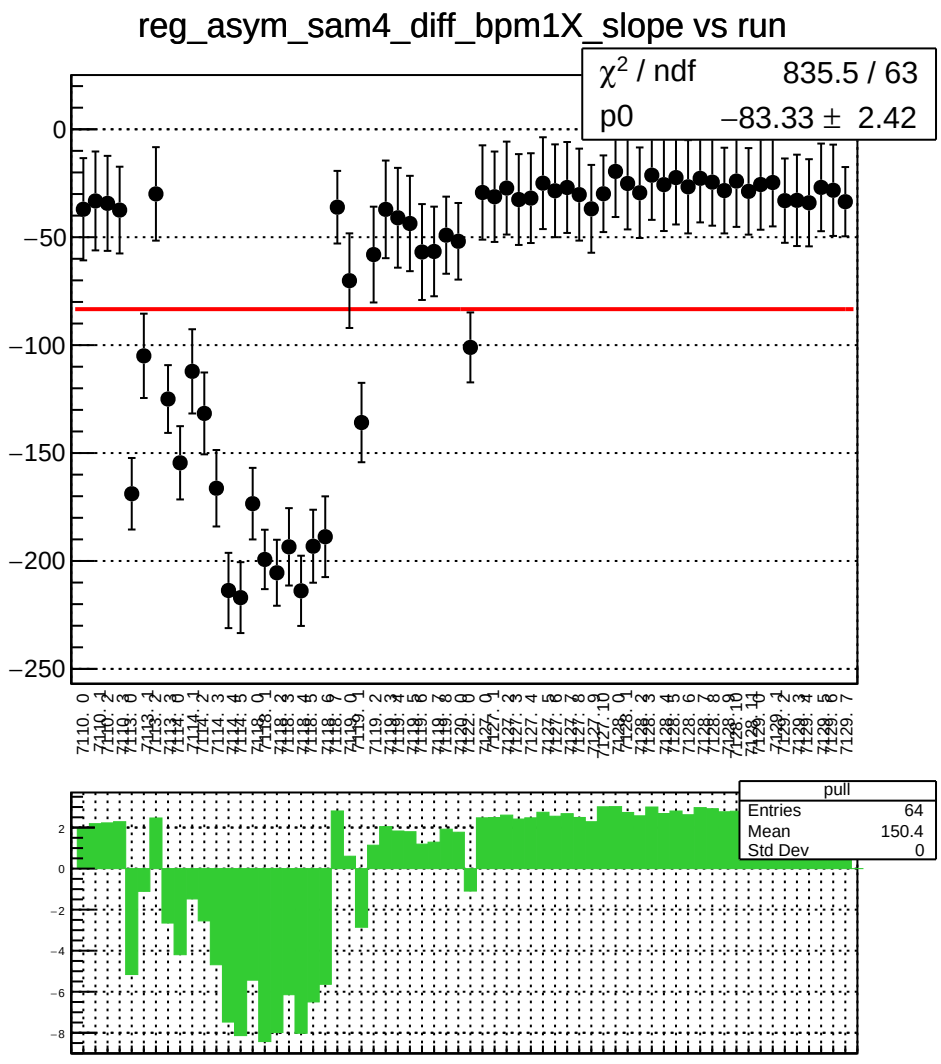

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 305.5 / 63
p0 −47.64 ± 0.8917
pull
Entries 64
Mean 51.01
Std Dev 32.04
pull1D
Entries 64
Mean −0.2551
Std Dev 2.17

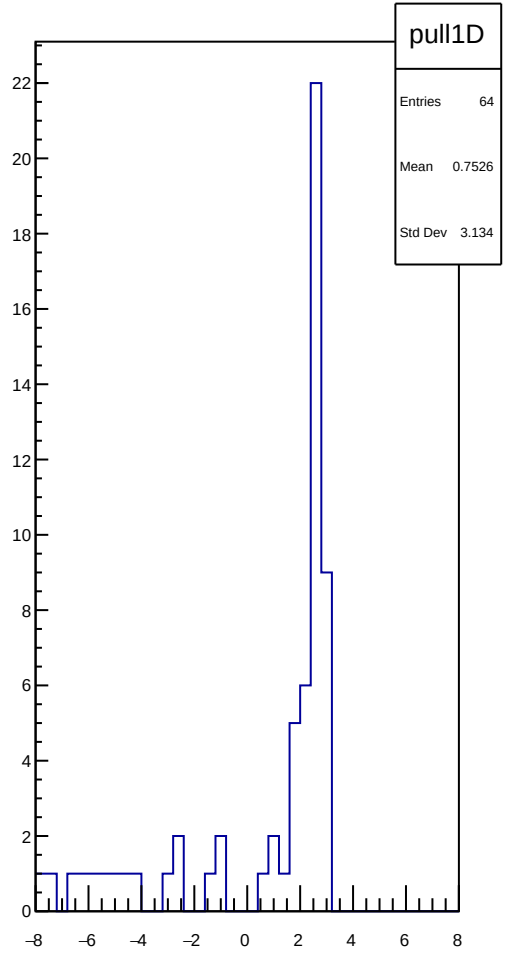

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 171.1 / 63
p0 27.92 ± 0.7402
pull
Entries 64
Mean −208.1
Std Dev 0

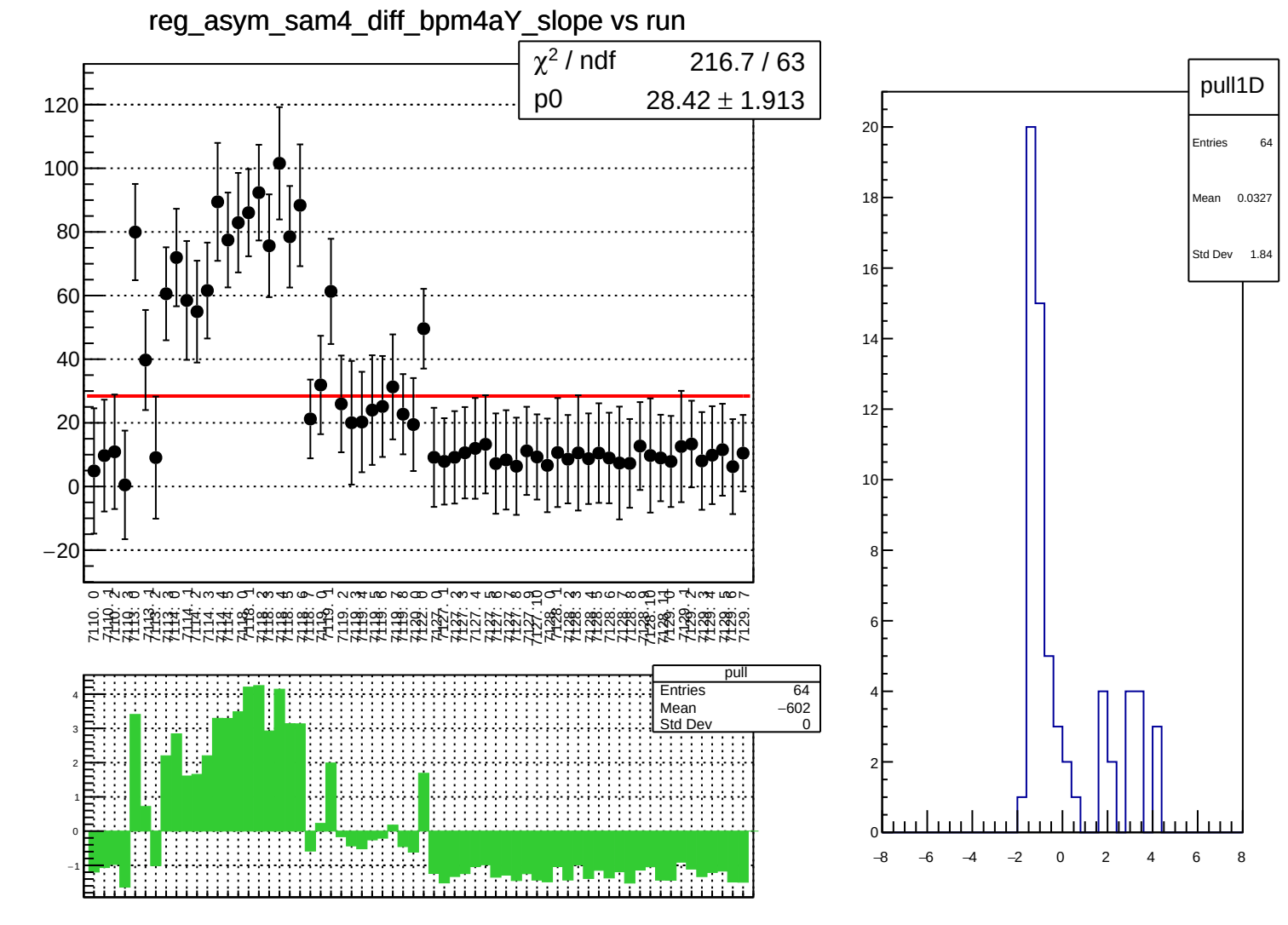

pull1D
Entries 64
Mean −0.07968
Std Dev 1.633

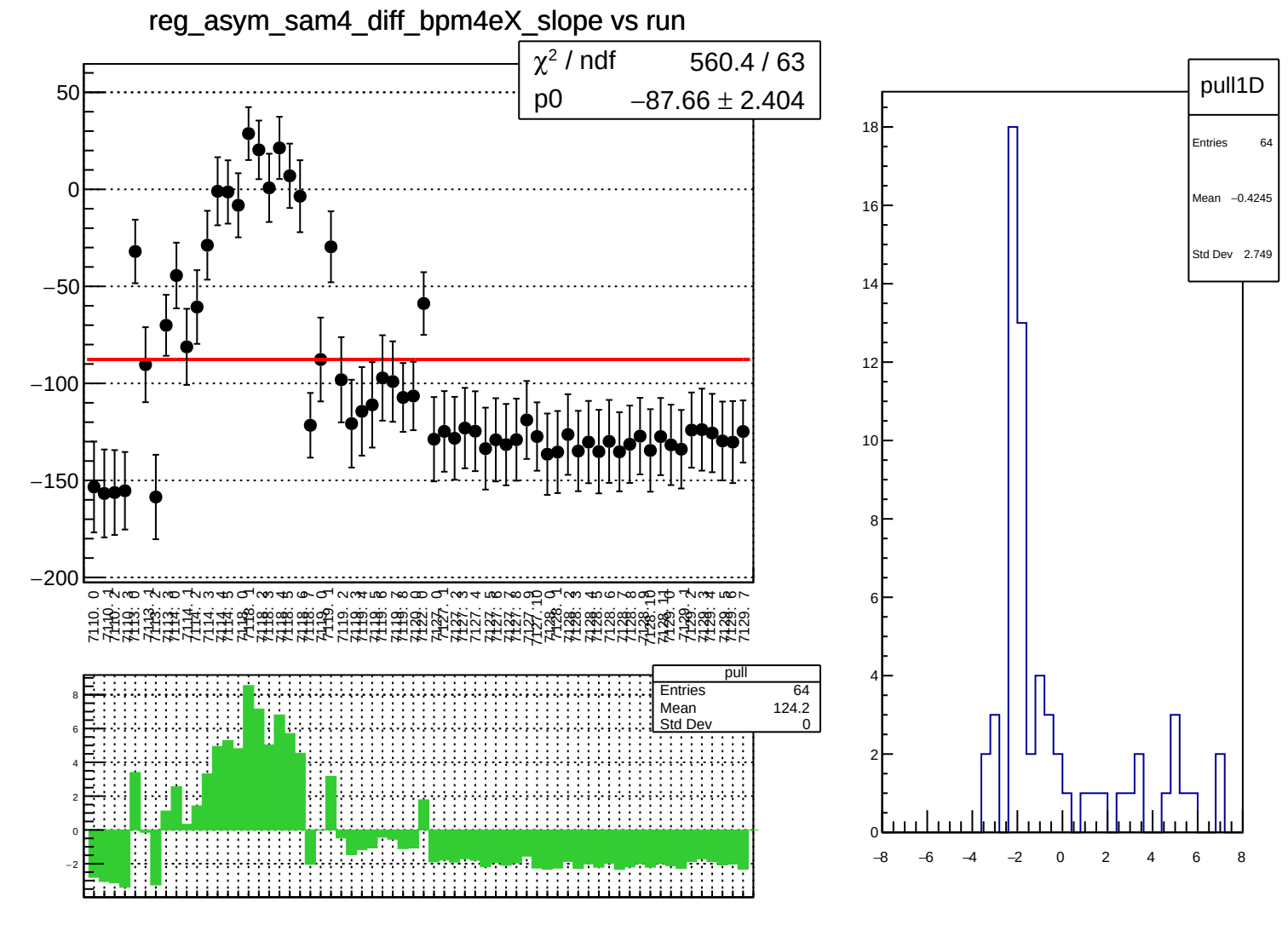

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 41.73 / 63
p0 0.1532 ± 0.03259
pull
Entries 64
Mean −153.3
Std Dev 0

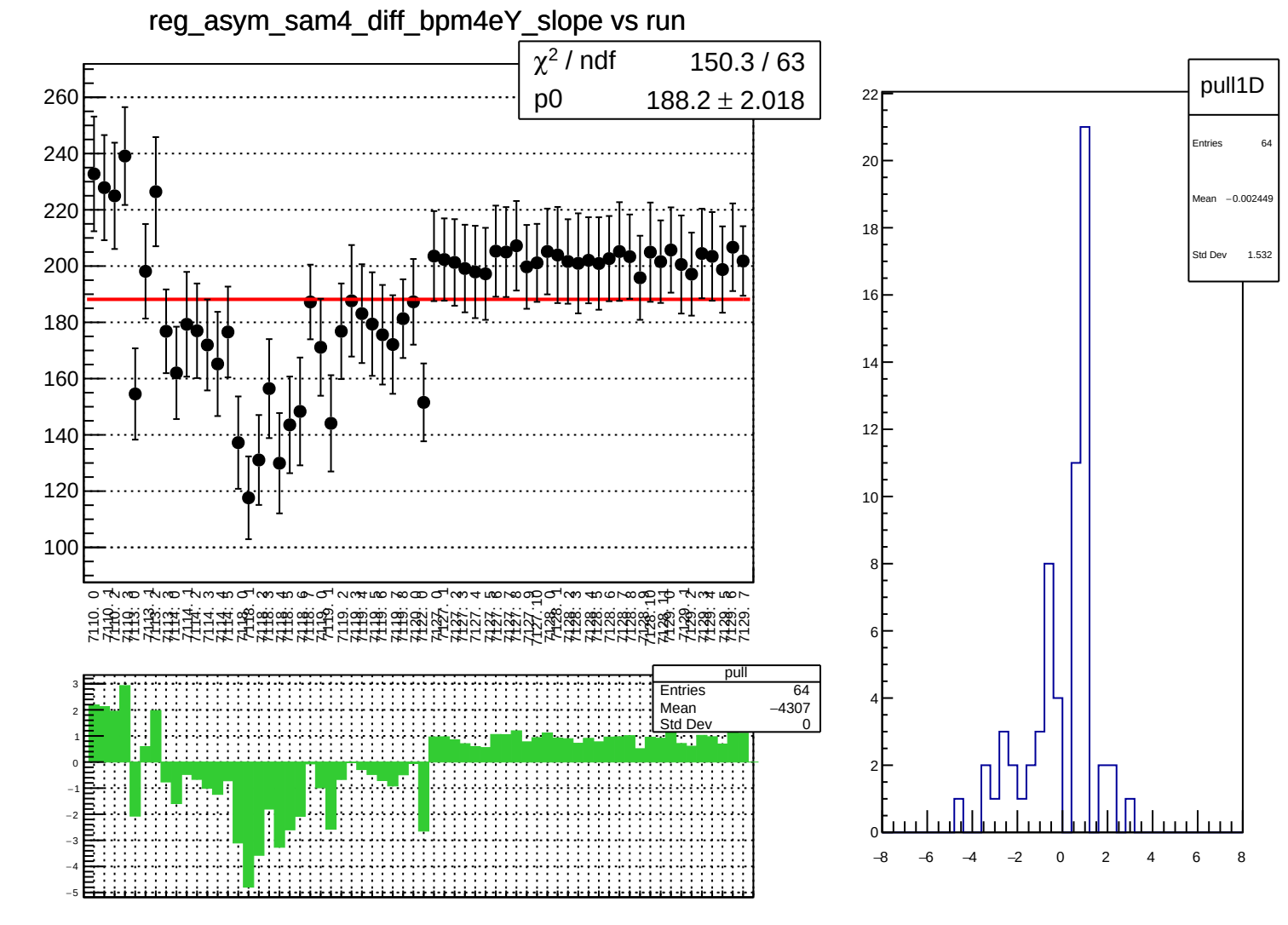

pull1D
Entries 64
Mean −0.04606
Std Dev 0.8062

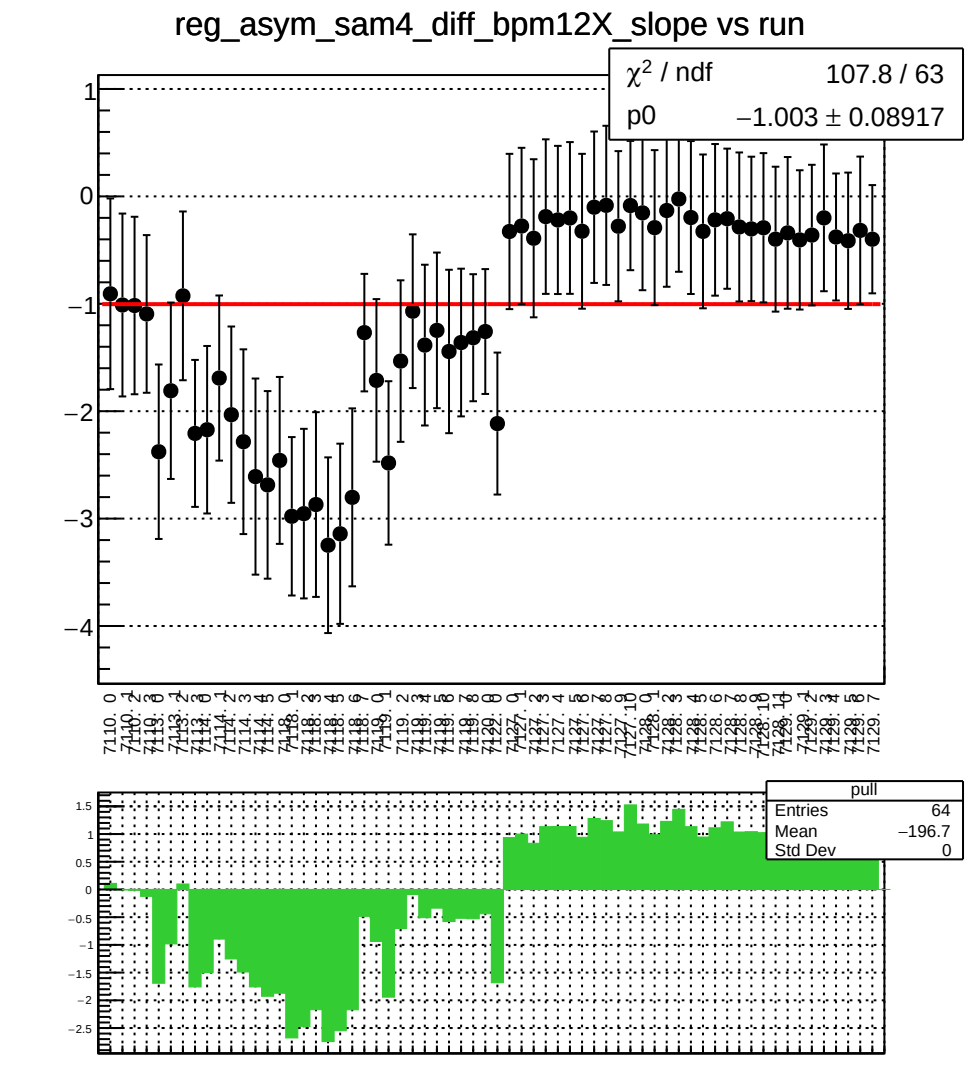

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 835.5 / 63
p0 −83.33 ± 2.42
pull
Entries 64
Mean 150.4
Std Dev 0

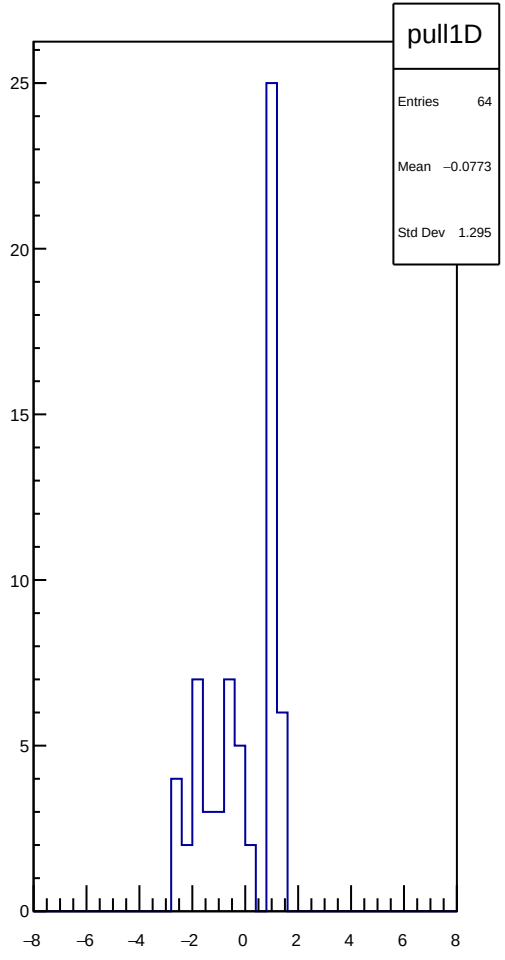

pull1D
Entries 64
Mean 0.7526
Std Dev 3.134

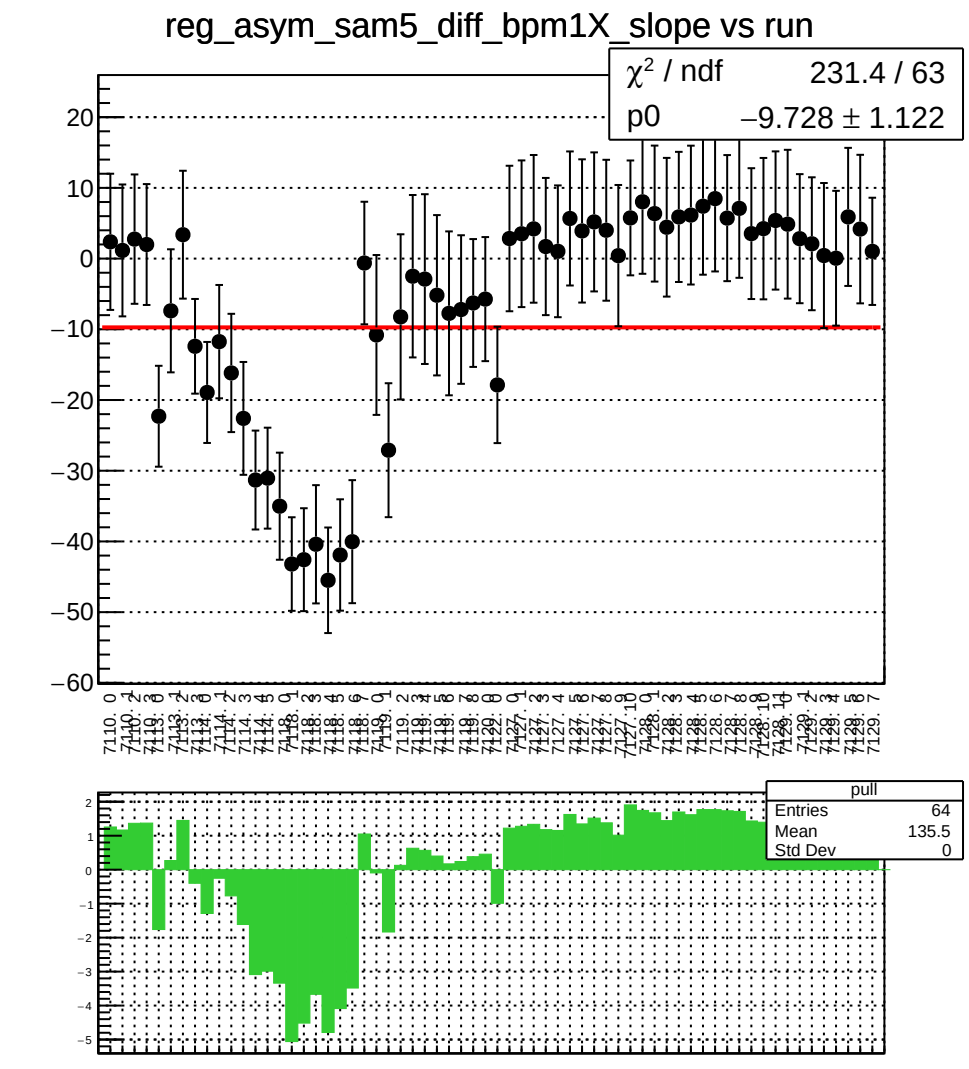

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 216.7 / 63
p0 28.42 ± 1.913
pull
Entries 64
Mean −602
Std Dev 0
pull1D
Entries 64
Mean 0.0327
Std Dev 1.84

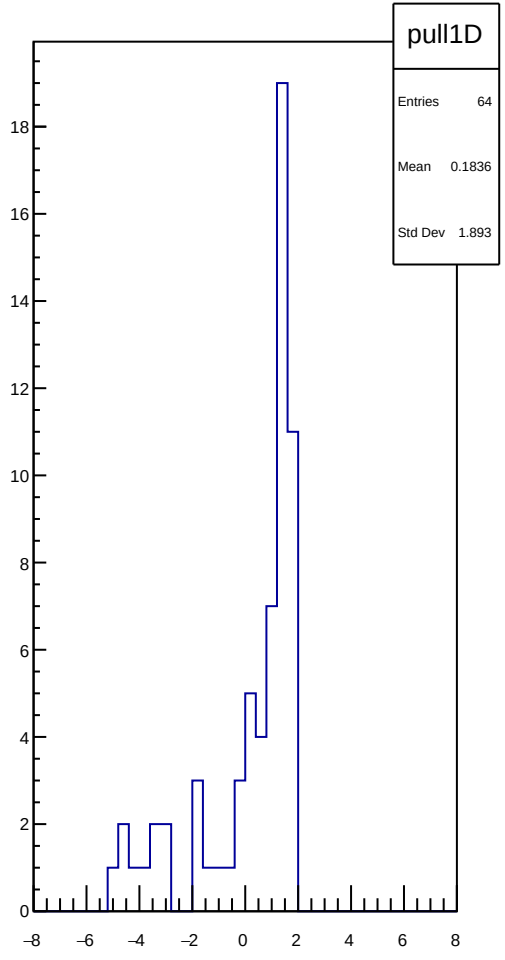

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 560.4 / 63
p0 −87.66 ± 2.404
pull
Entries 64
Mean 124.2
Std Dev 0
pull1D
Entries 64
Mean −0.4245
Std Dev 2.749

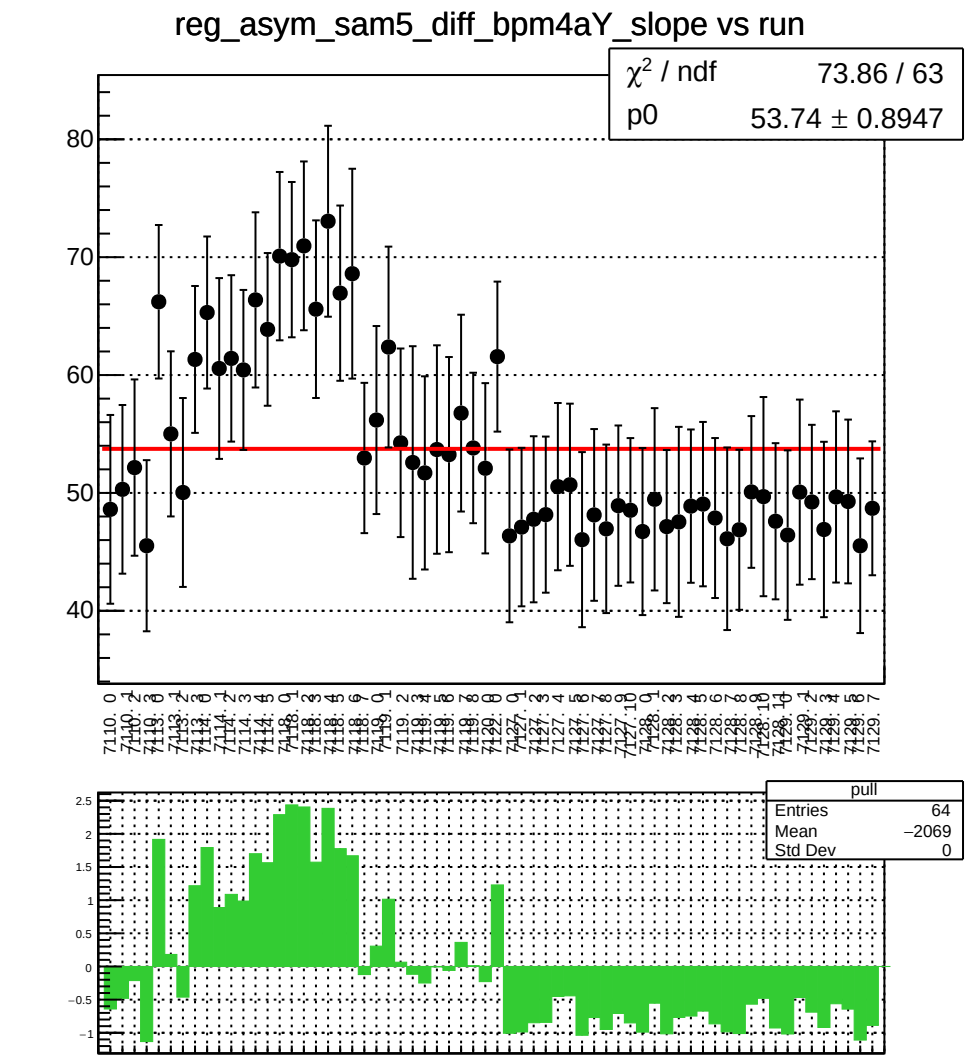

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 150.3 / 63
p0 188.2 ± 2.018
pull
Entries 64
Mean −4307
Std Dev 0
pull1D
Entries 64
Mean −0.002449
Std Dev 1.532

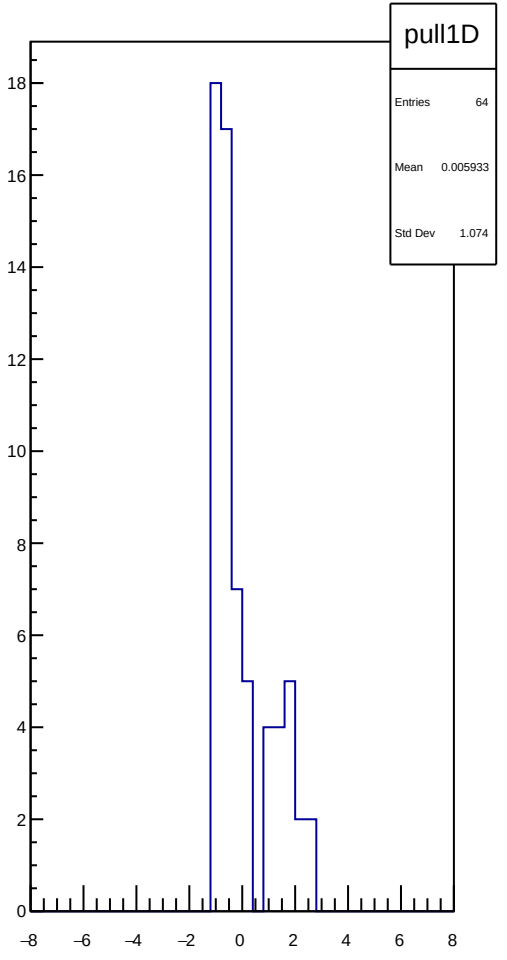

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 107.8 / 63
p0 −1.003 ± 0.08917
pull
Entries 64
Mean −196.7
Std Dev 0

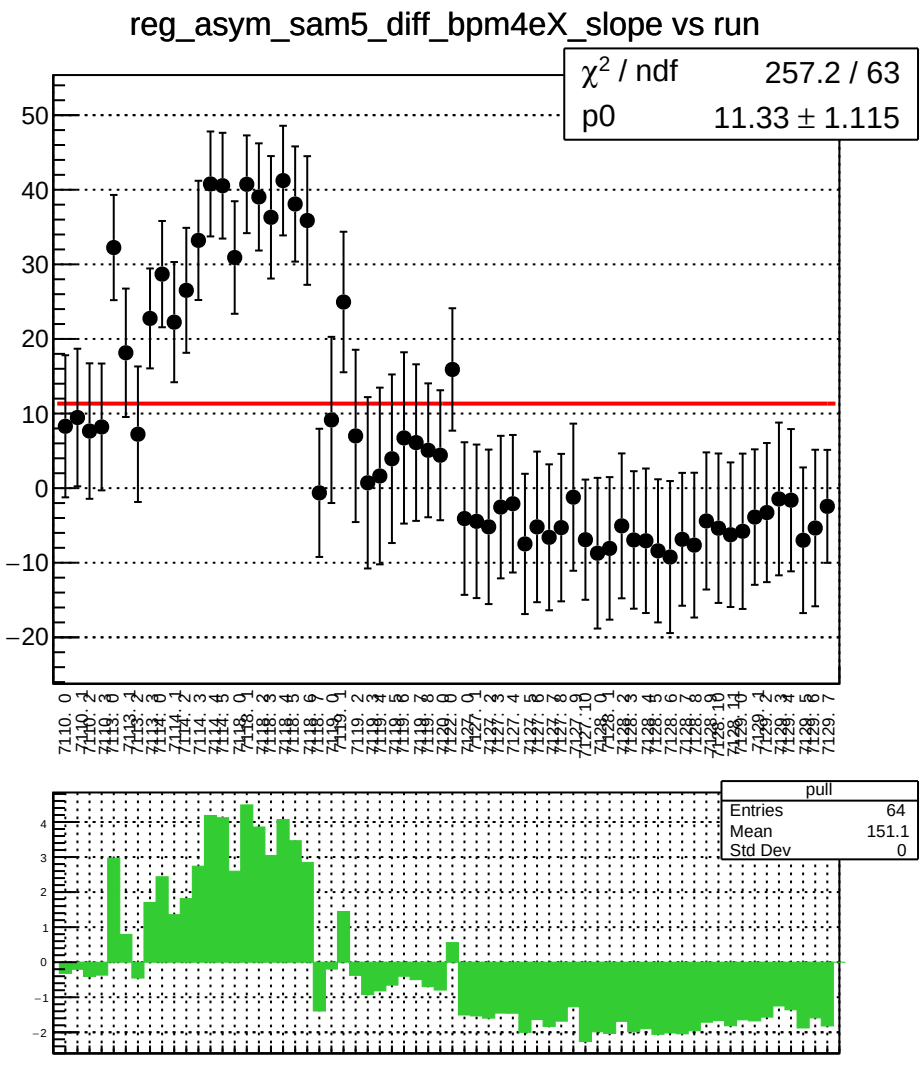

pull1D
Entries 64
Mean −0.0773
Std Dev 1.295

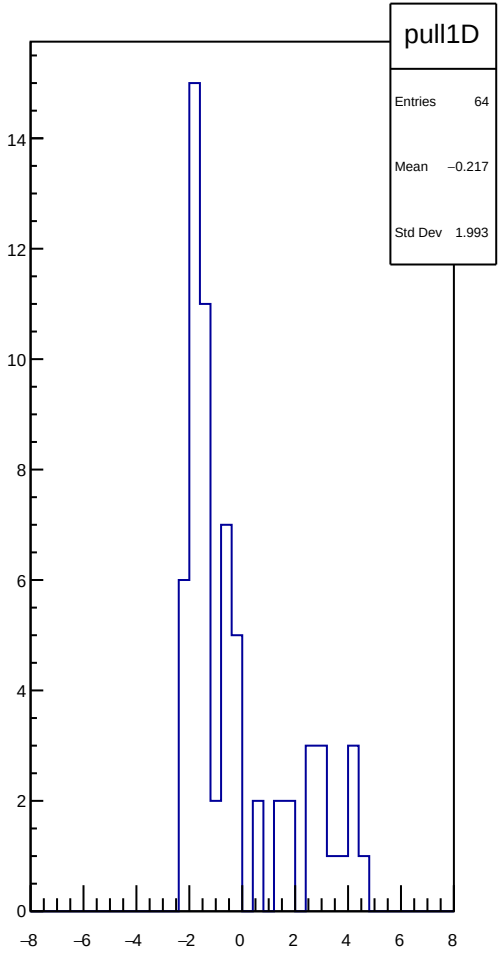

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 231.4 / 63
p0 −9.728 ± 1.122
pull
Entries 64
Mean 135.5
Std Dev 0

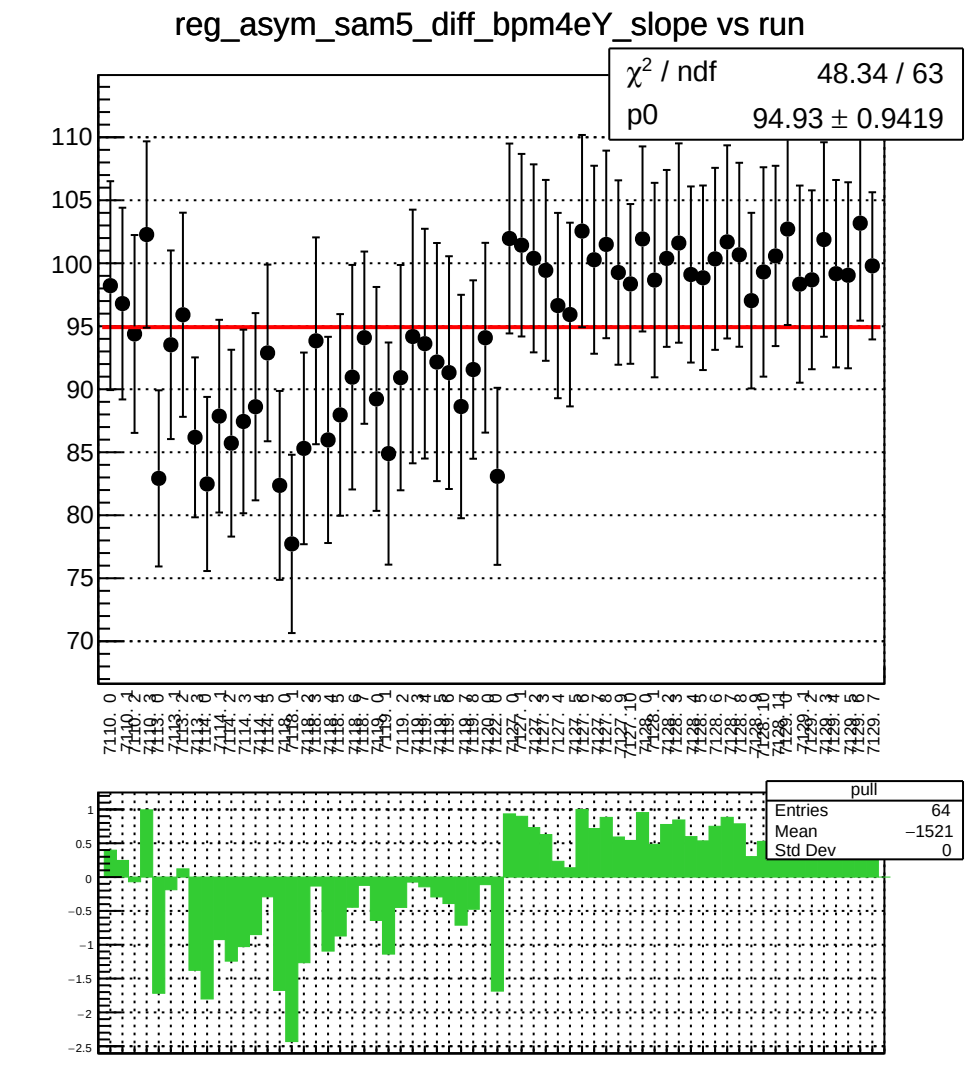

pull1D
Entries 64
Mean 0.1836
Std Dev 1.893

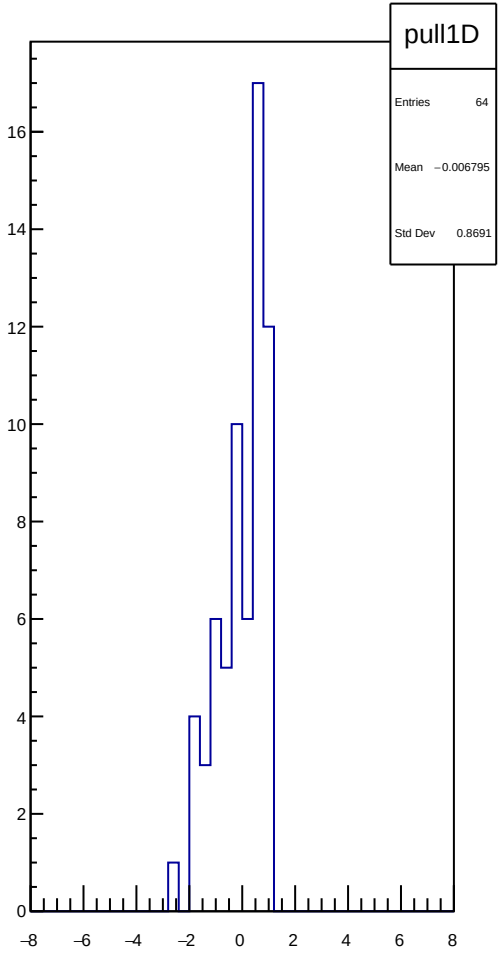

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 73.86 / 63
p0 53.74 ± 0.8947
pull
Entries 64
Mean −2069
Std Dev 0

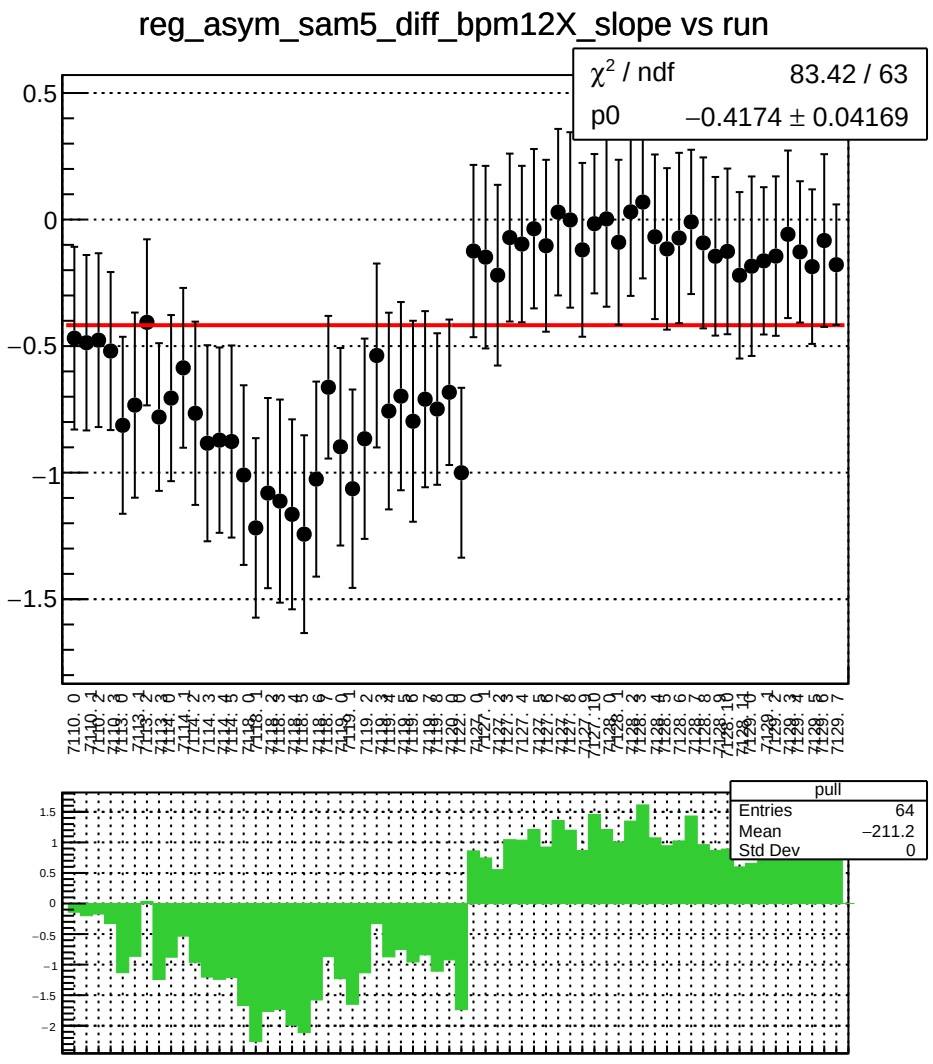

pull1D
Entries 64
Mean 0.005933
Std Dev 1.074

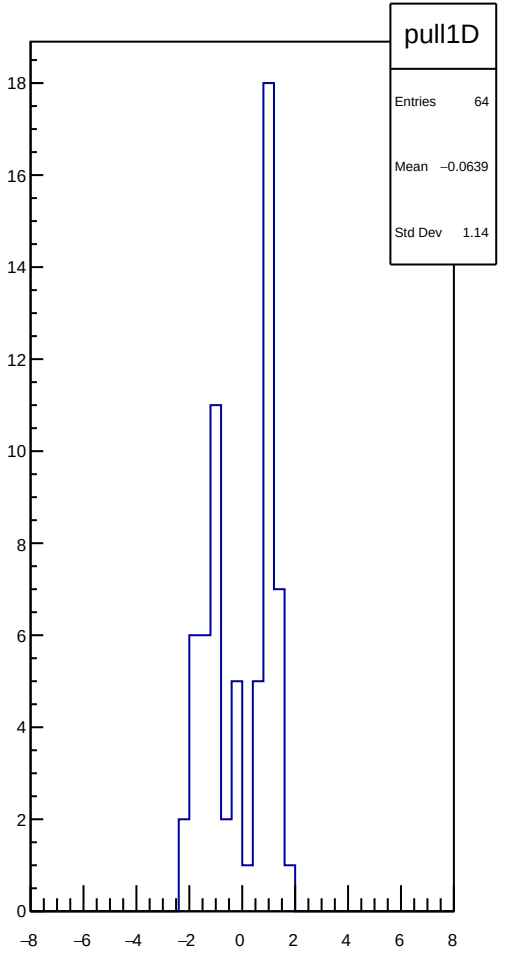

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 257.2 / 63
p0 11.33 ± 1.115
pull
Entries 64
Mean 151.1
Std Dev 0

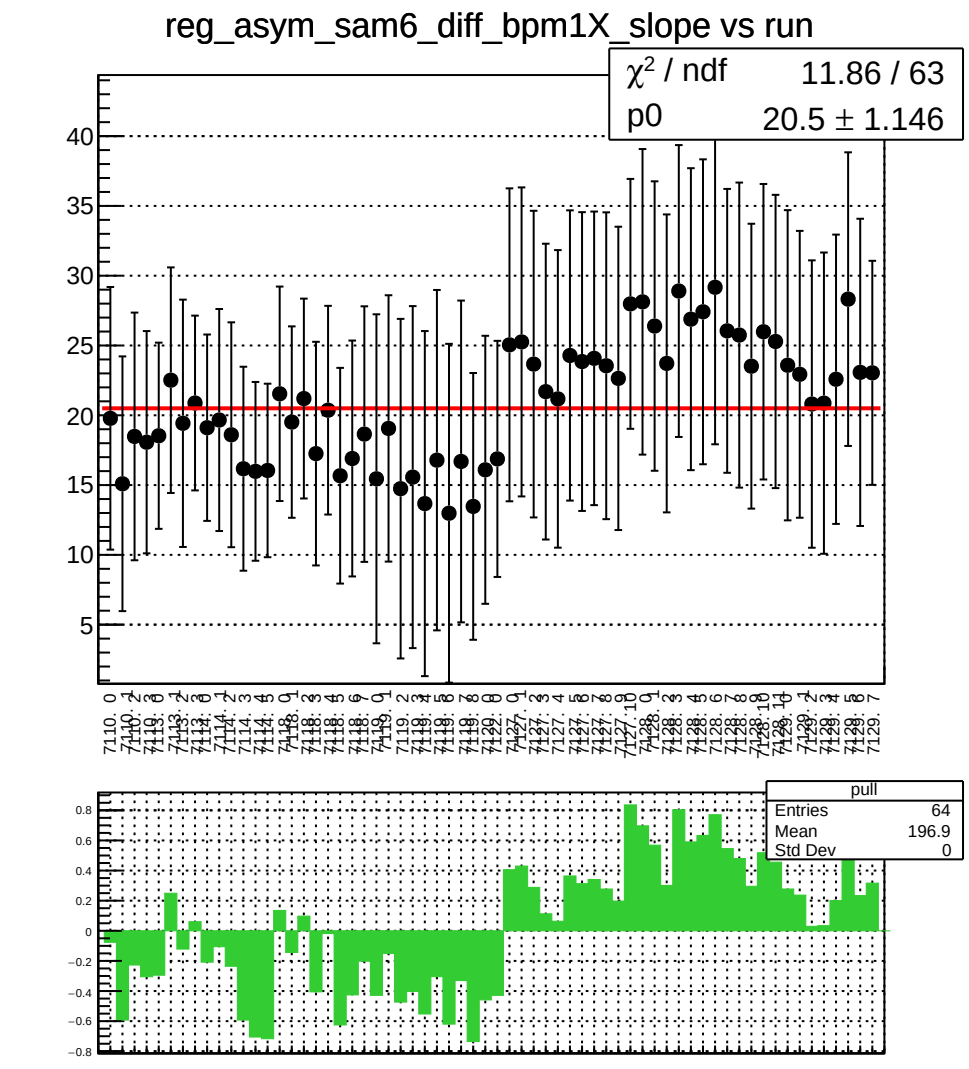

pull1D
Entries 64
Mean −0.217
Std Dev 1.993

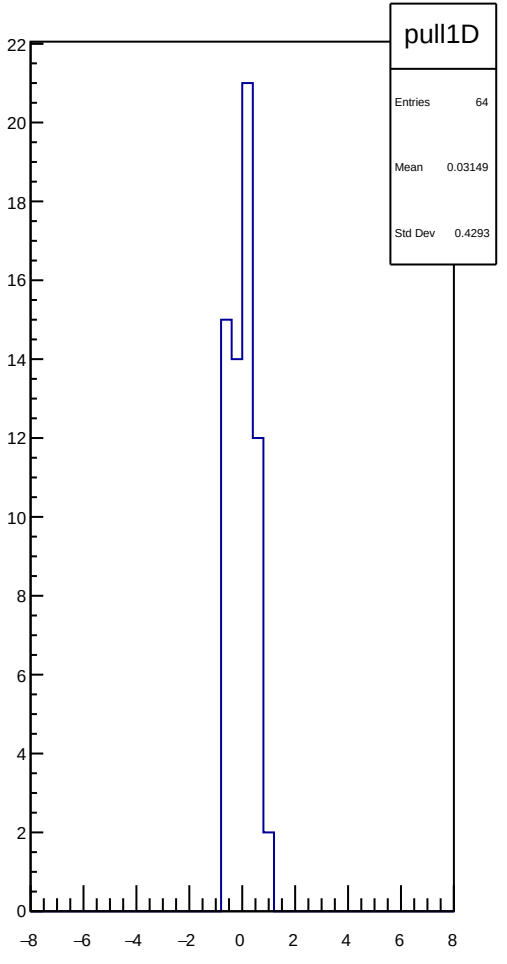

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 48.34 / 63
p0 94.93 ± 0.9419
pull
Entries 64
Mean −1521
Std Dev 0

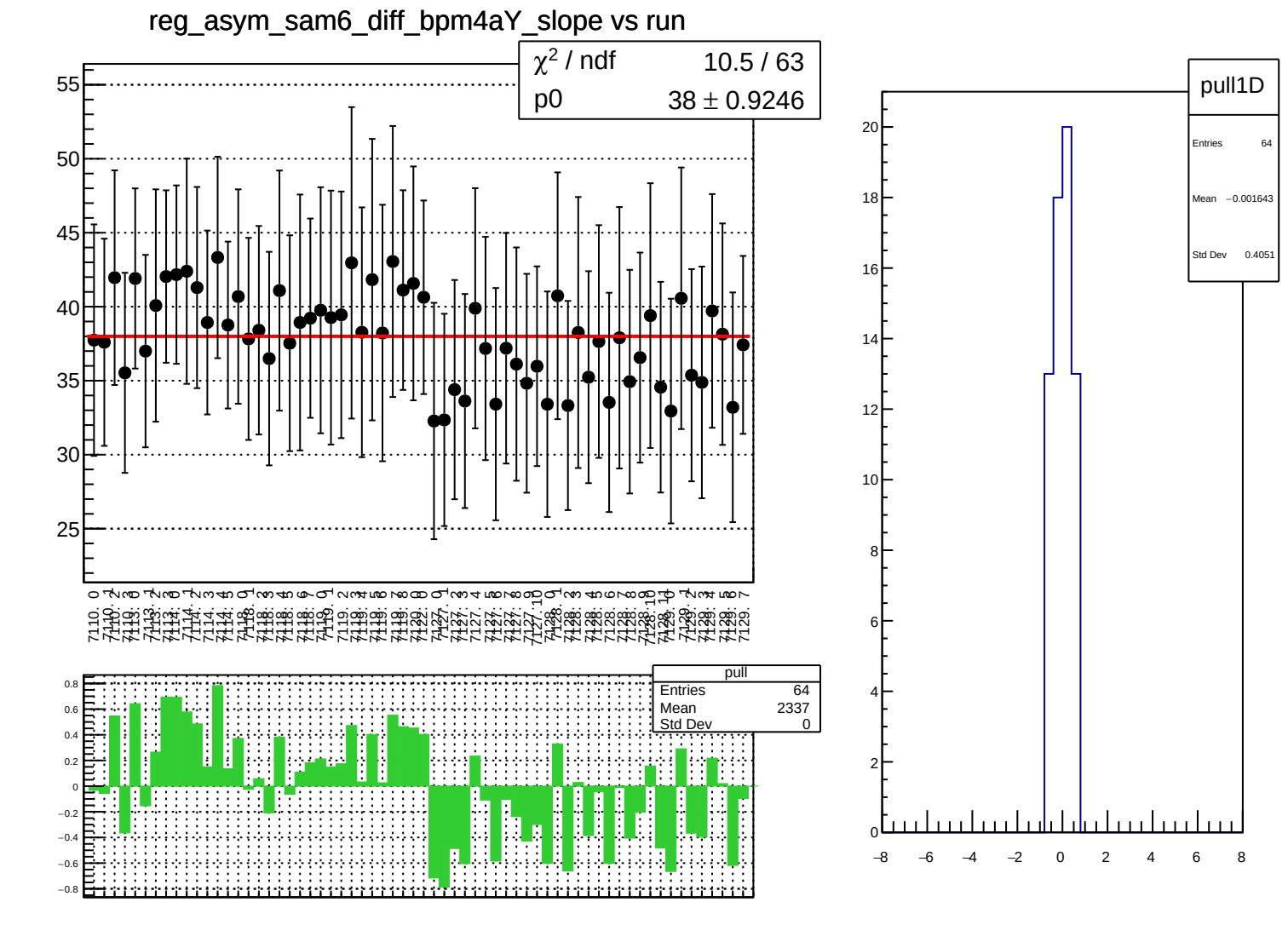

pull1D
Entries 64
Mean −0.006795
Std Dev 0.8691

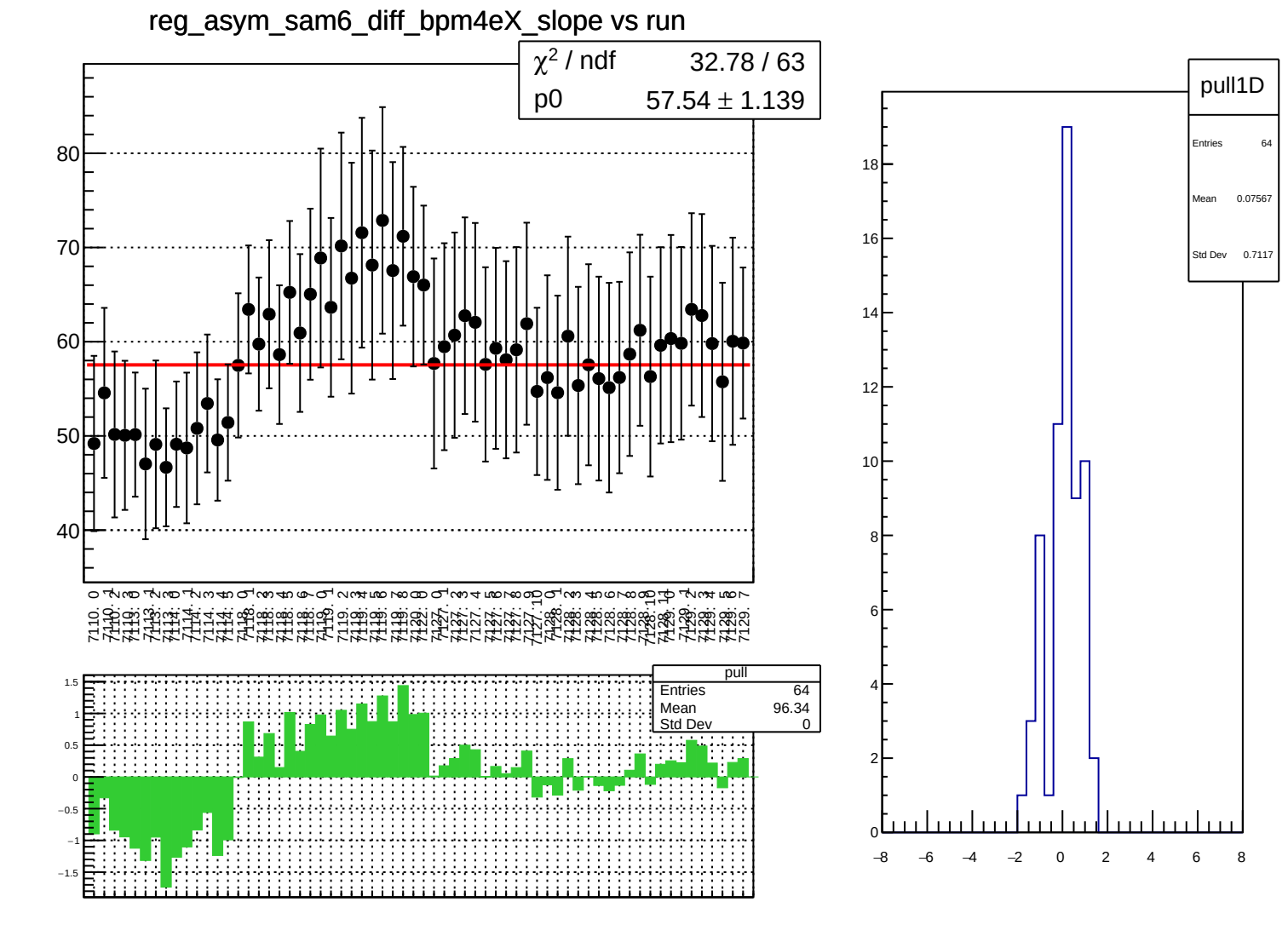

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 83.42 / 63
p0 −0.4174 ± 0.04169
pull
Entries 64
Mean −211.2
Std Dev 0

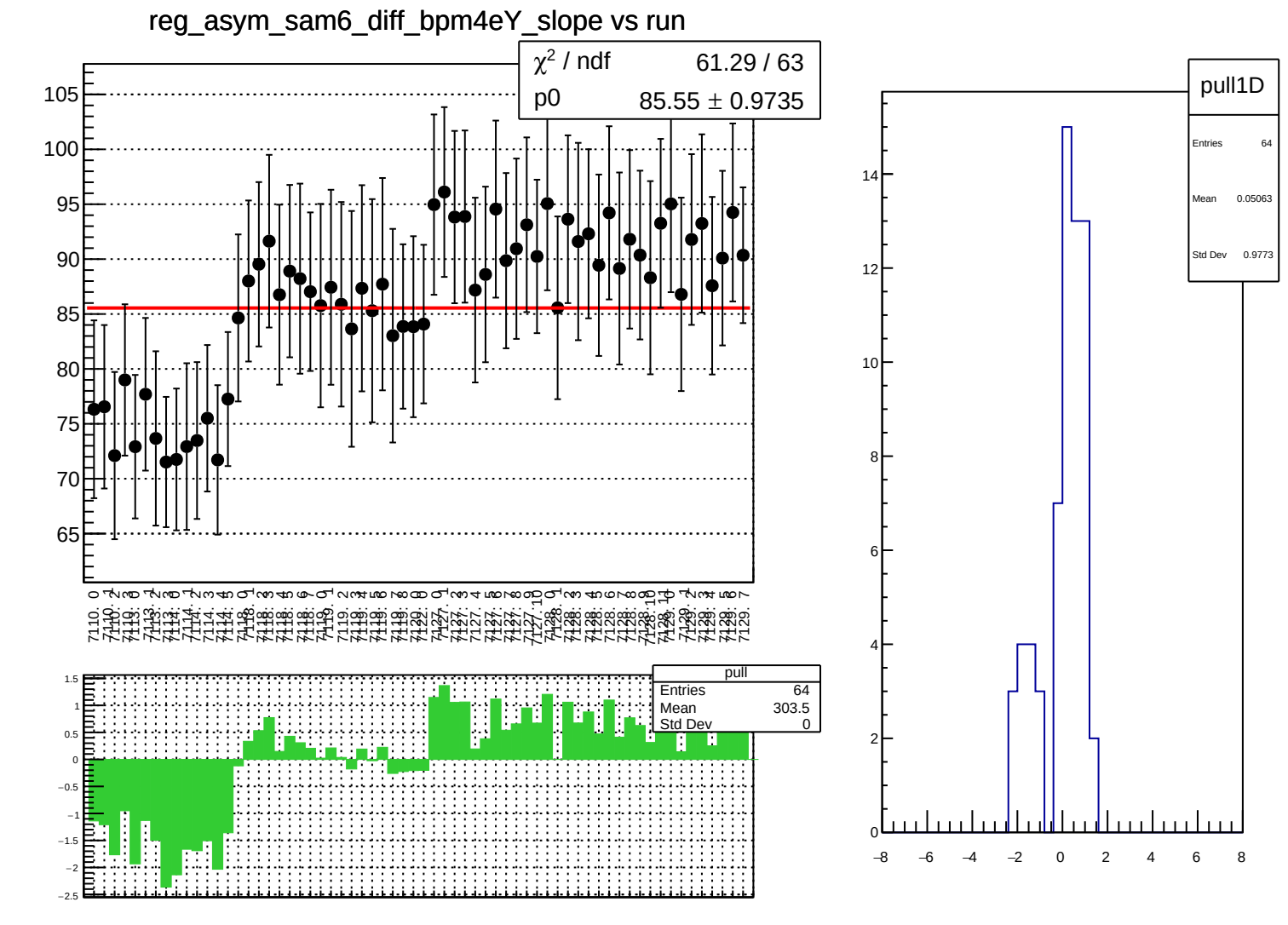

pull1D
Entries 64
Mean −0.0639
Std Dev 1.14

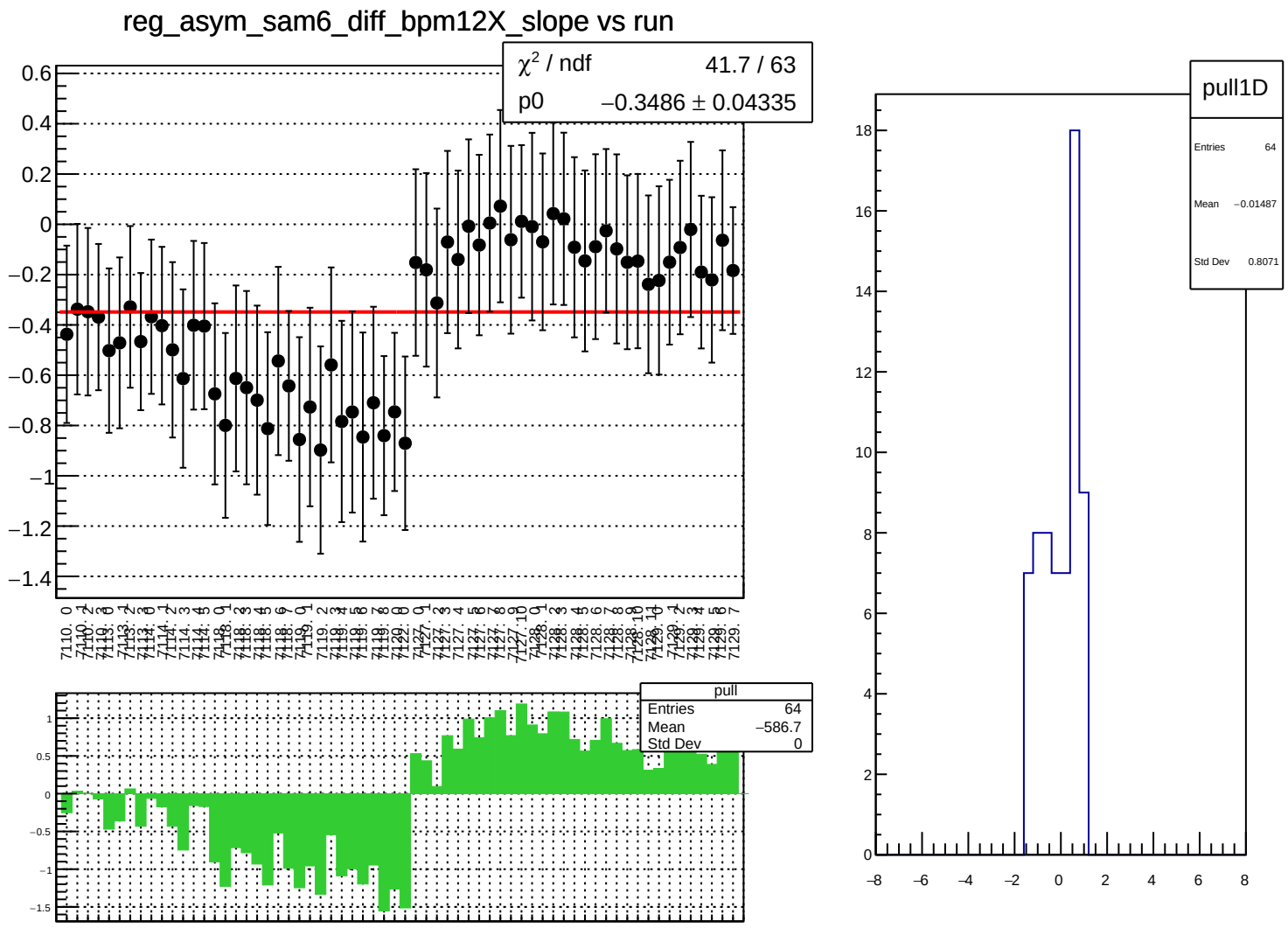

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 11.86 / 63
p0 20.5 ± 1.146
pull
Entries 64
Mean 196.9
Std Dev 0

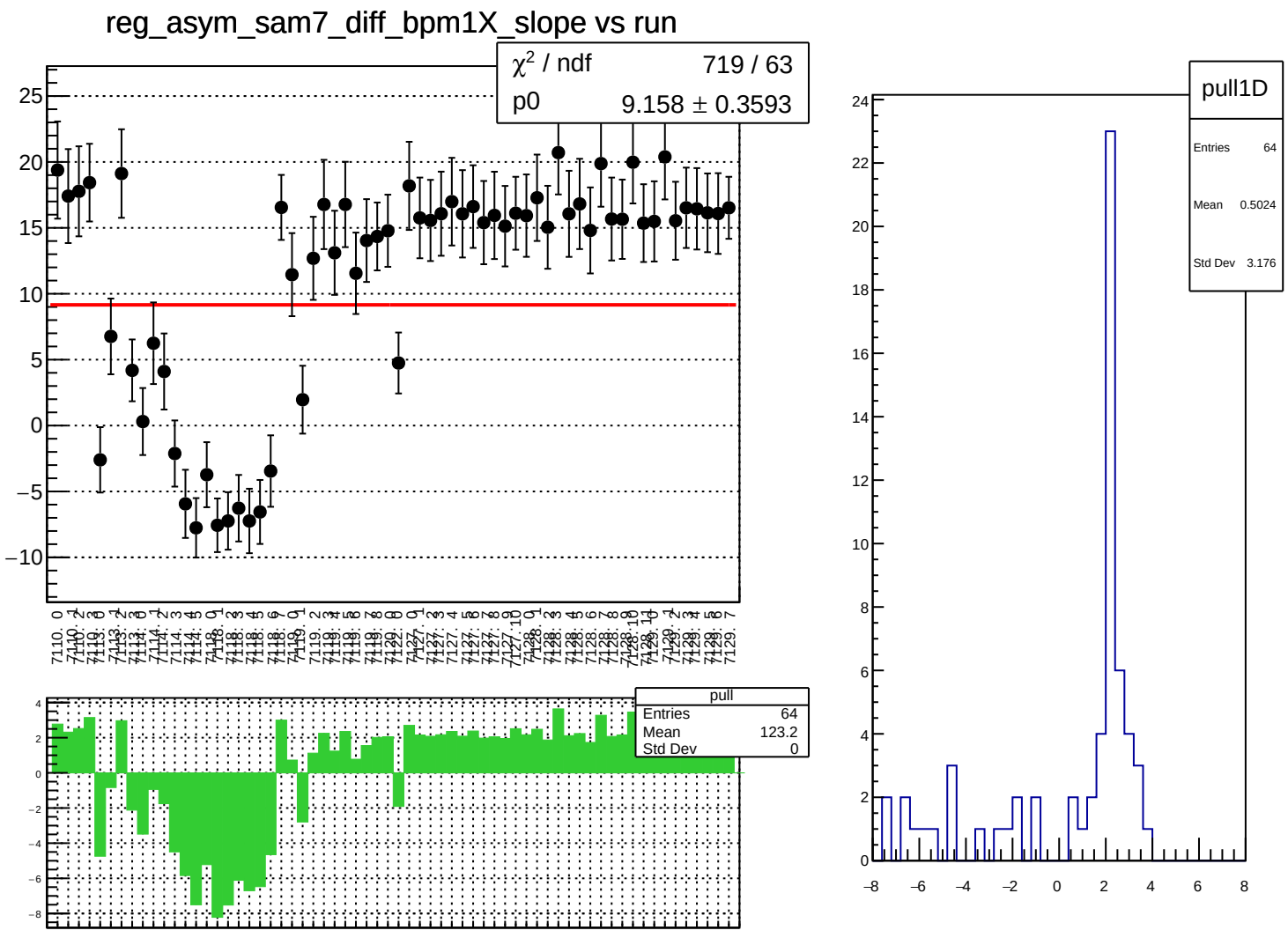

pull1D
Entries 64
Mean 0.03149
Std Dev 0.4293

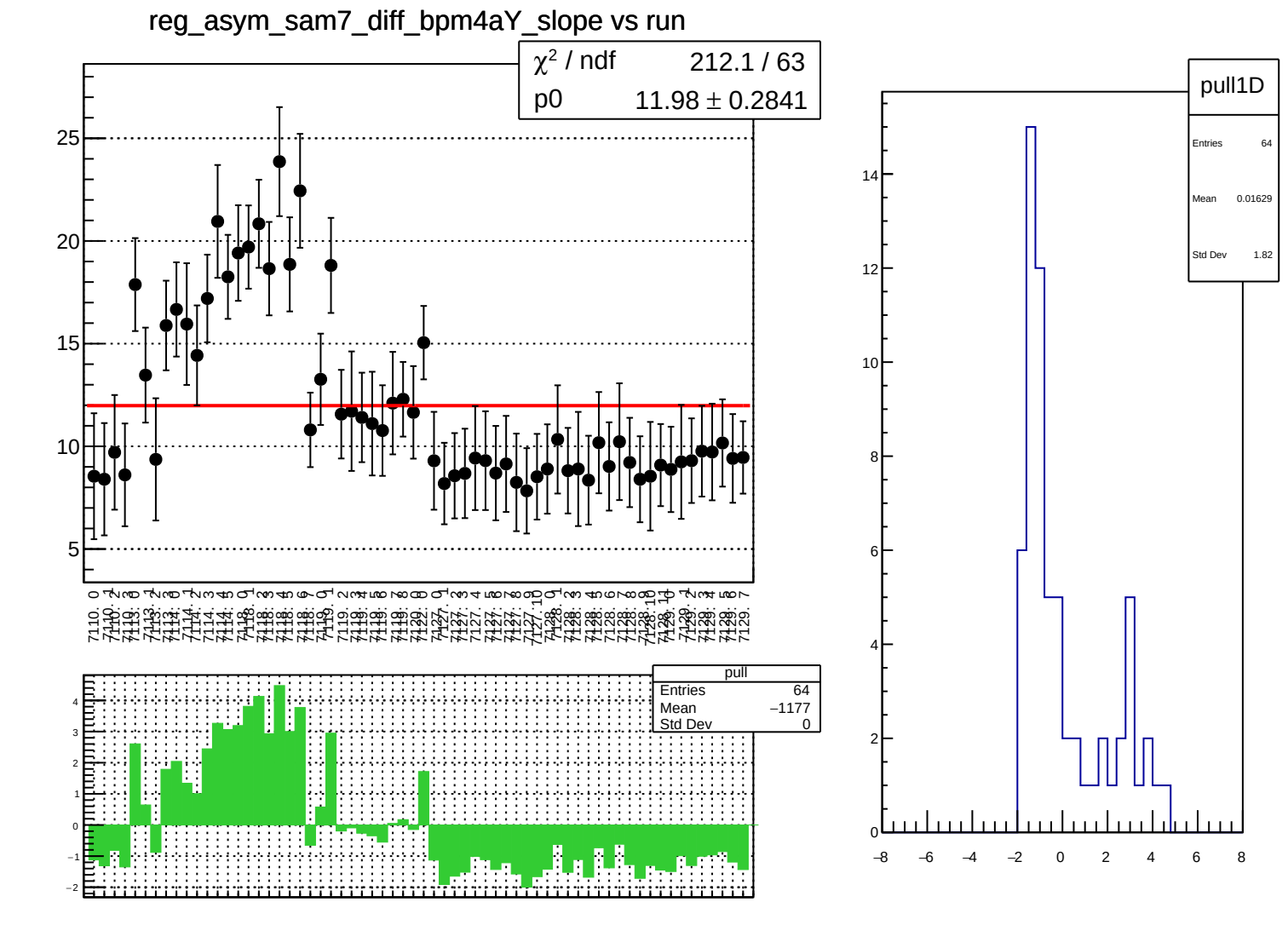

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 10.5 / 63
p0 38 ± 0.9246
pull
Entries 64
Mean 2337
Std Dev 0
pull1D
Entries 64
Mean −0.001643
Std Dev 0.4051

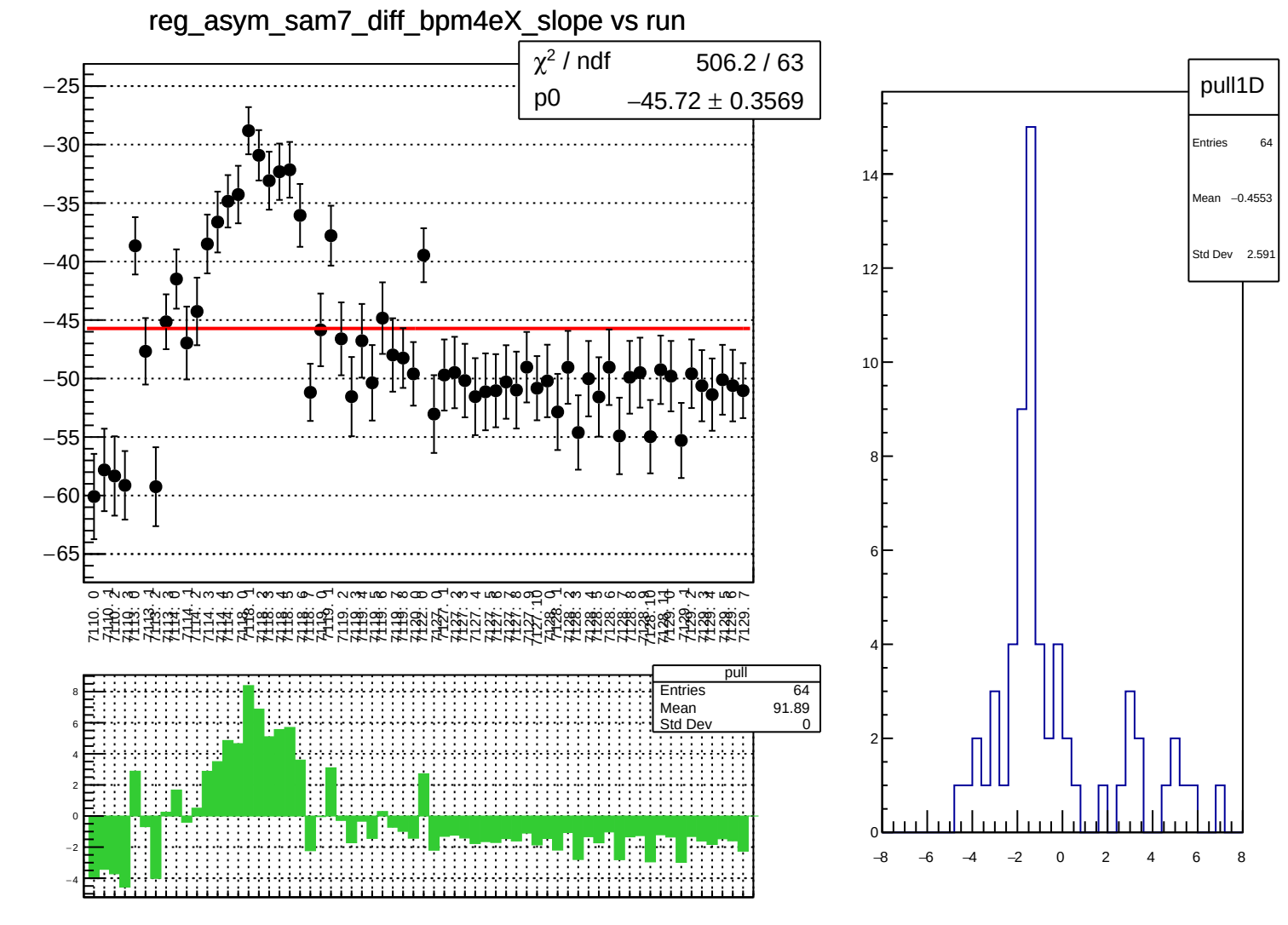

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 32.78 / 63
p0 57.54 ± 1.139
pull
Entries 64
Mean 96.34
Std Dev 0
pull1D
Entries 64
Mean 0.07567
Std Dev 0.7117

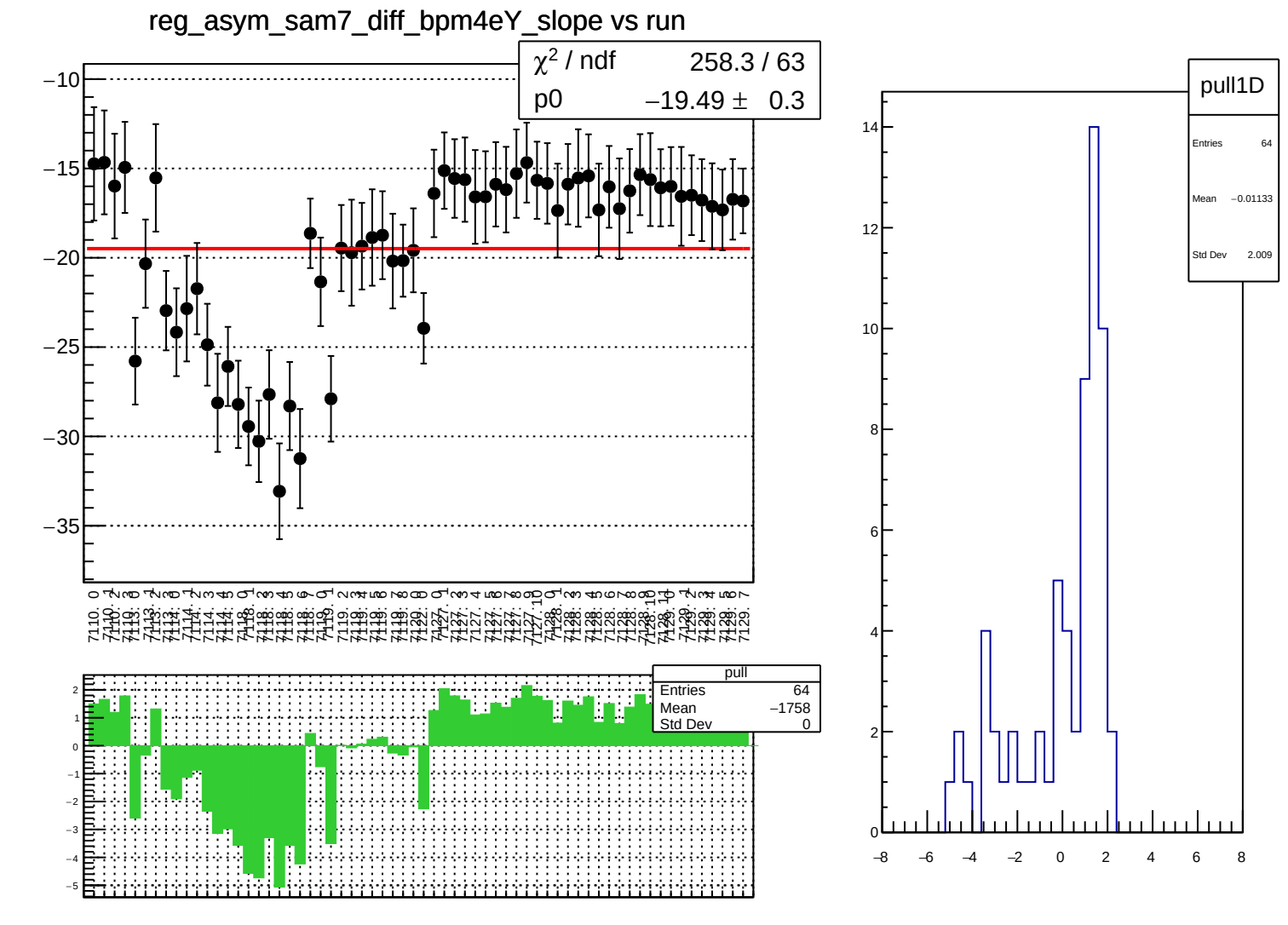

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 61.29 / 63
p0 85.55 ± 0.9735
pull
Entries 64
Mean 303.5
Std Dev 0
pull1D
Entries 64
Mean 0.05063
Std Dev 0.9773

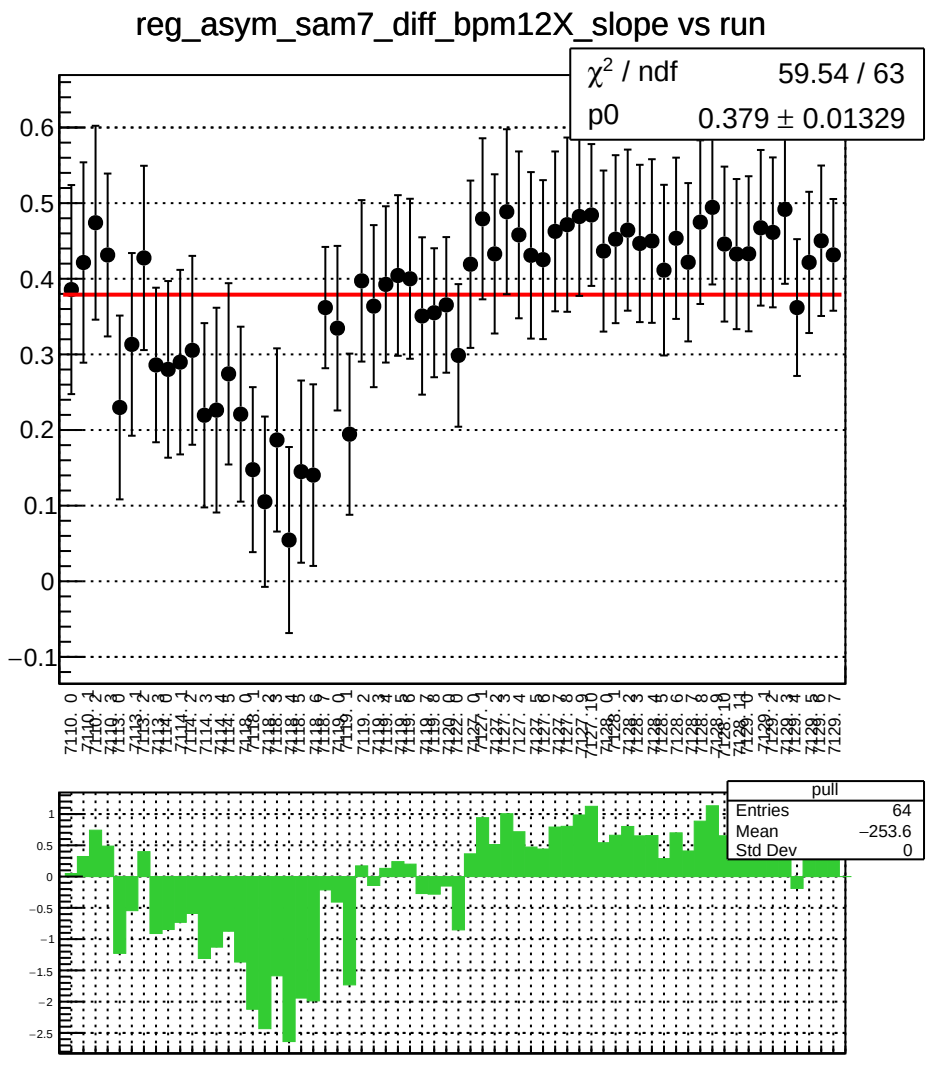

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 41.7 / 63
p0 −0.3486 ± 0.04335
pull
Entries 64
Mean −586.7
Std Dev 0
pull1D
Entries 64
Mean −0.01487
Std Dev 0.8071

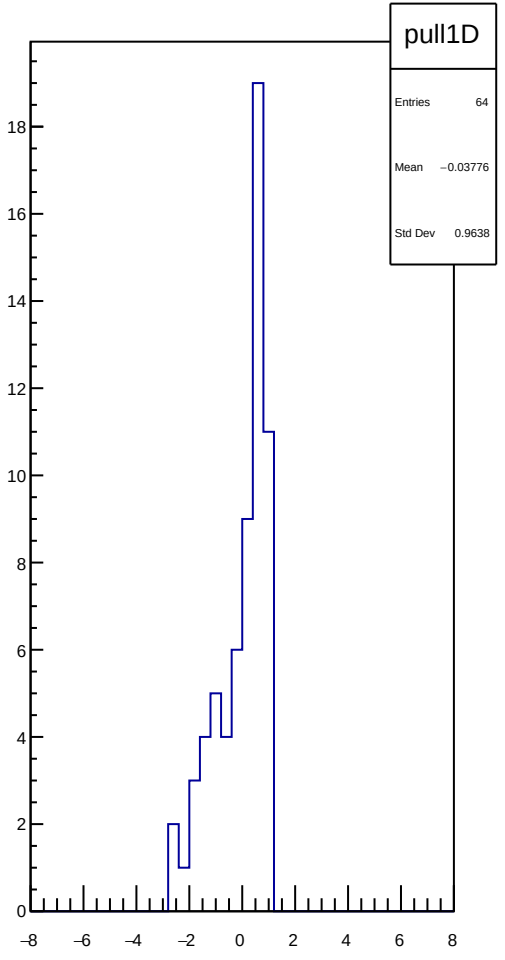

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 719 / 63
p0 9.158 ± 0.3593
pull
Entries 64
Mean 123.2
Std Dev 0
pull1D
Entries 64
Mean 0.5024
Std Dev 3.176

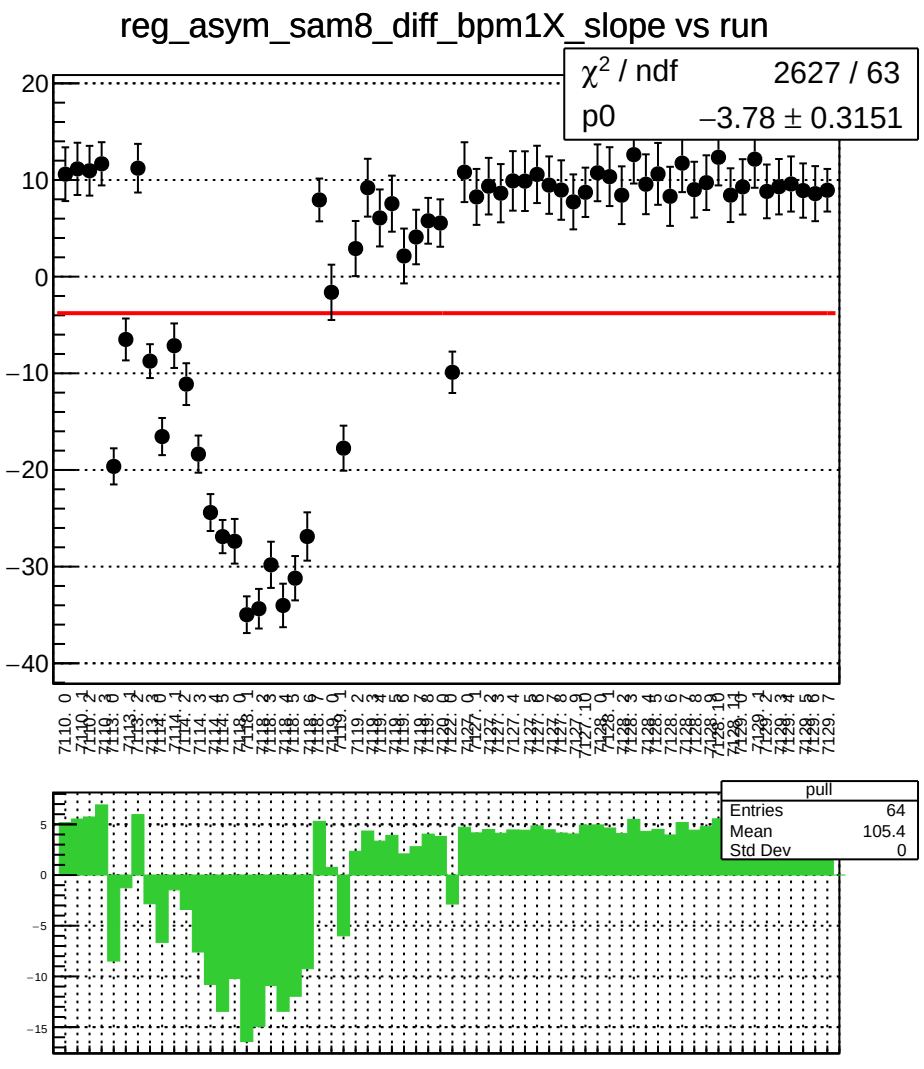

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 212.1 / 63
p0 11.98 ± 0.2841
pull
Entries 64
Mean −1177
Std Dev 0
pull1D
Entries 64
Mean 0.01629
Std Dev 1.82

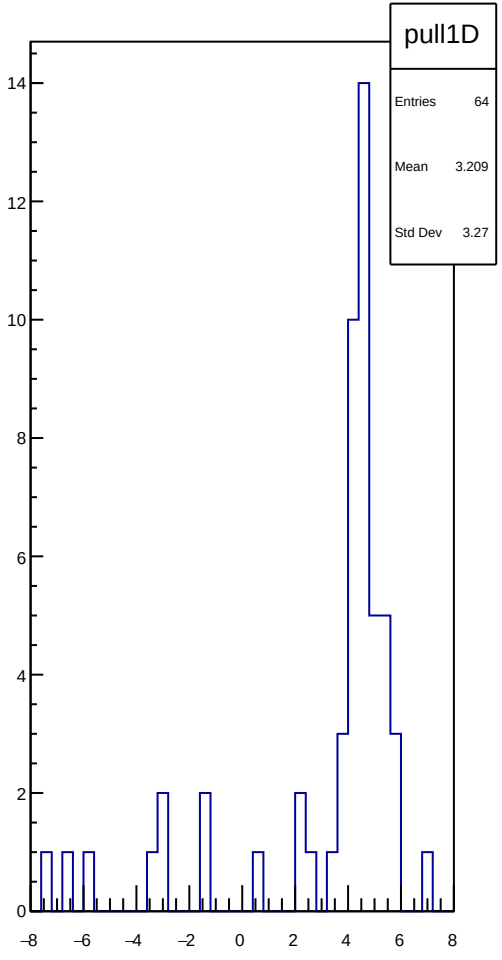

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 506.2 / 63
p0 −45.72 ± 0.3569
pull
Entries 64
Mean 91.89
Std Dev 0
pull1D
Entries 64
Mean −0.4553
Std Dev 2.591

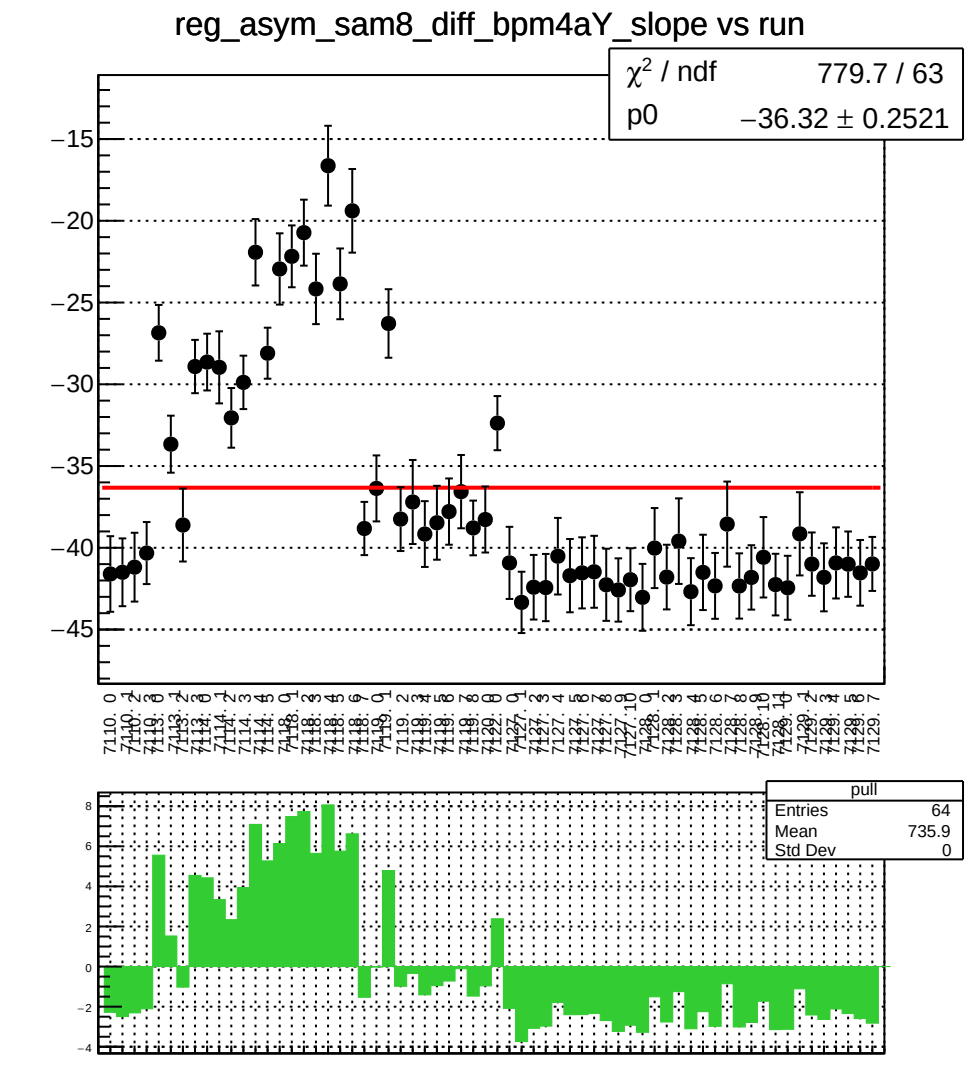

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 258.3 / 63
p0 −19.49 ± 0.3
pull
Entries 64
Mean −1758
Std Dev 0
pull1D
Entries 64
Mean −0.01133
Std Dev 2.009

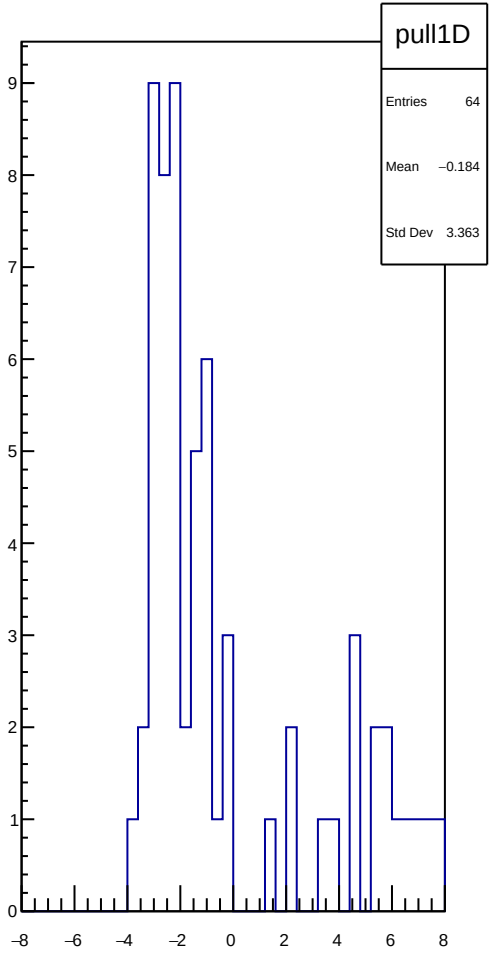

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 59.54 / 63
p0 0.379 ± 0.01329
pull
Entries 64
Mean −253.6
Std Dev 0

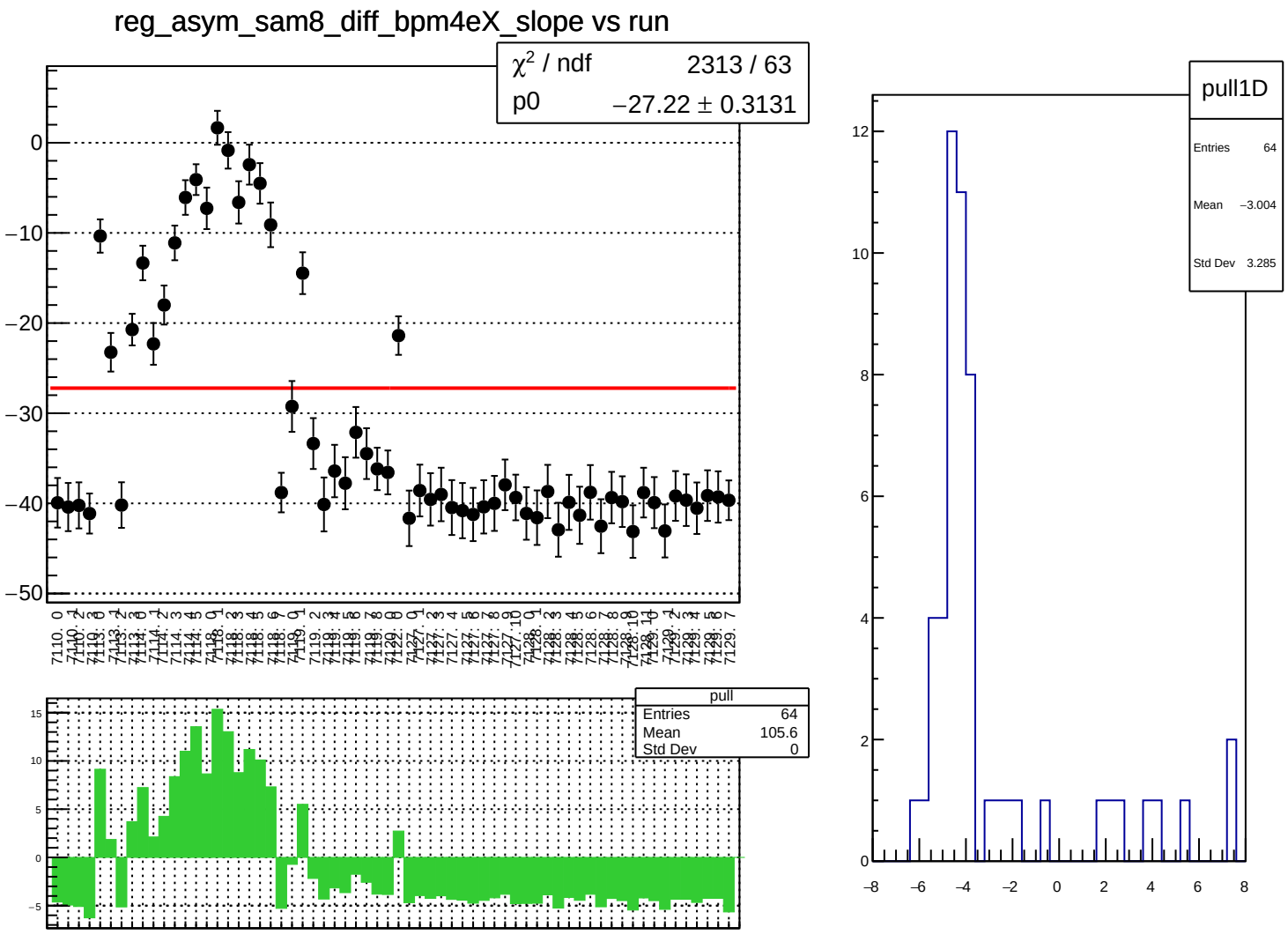

pull1D
Entries 64
Mean −0.03776
Std Dev 0.9638

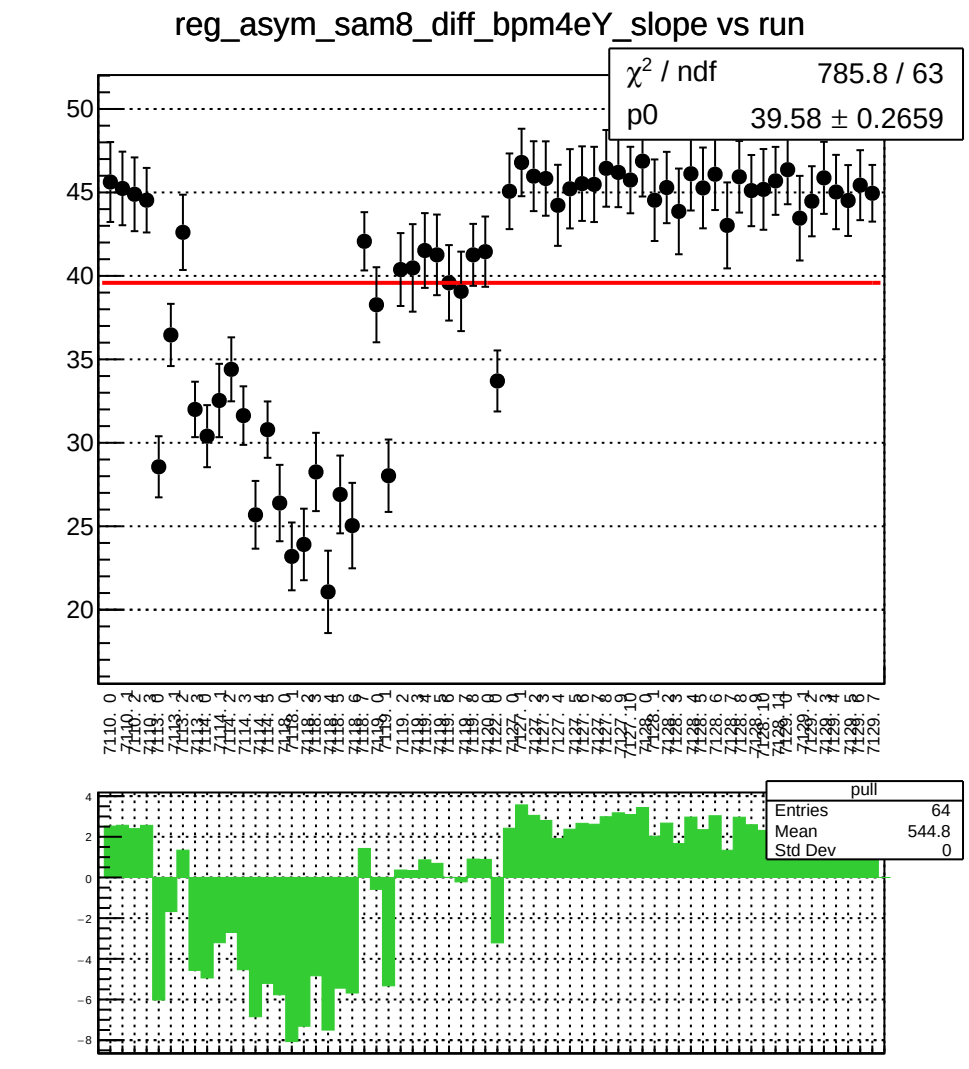

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2627 / 63
p0 −3.78 ± 0.3151
pull
Entries 64
Mean 105.4
Std Dev 0

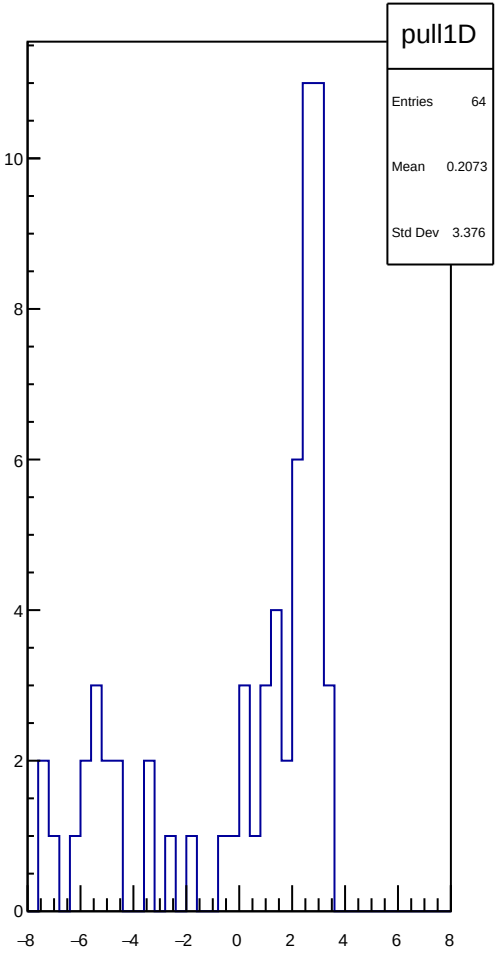

pull1D
Entries 64
Mean 3.209
Std Dev 3.27

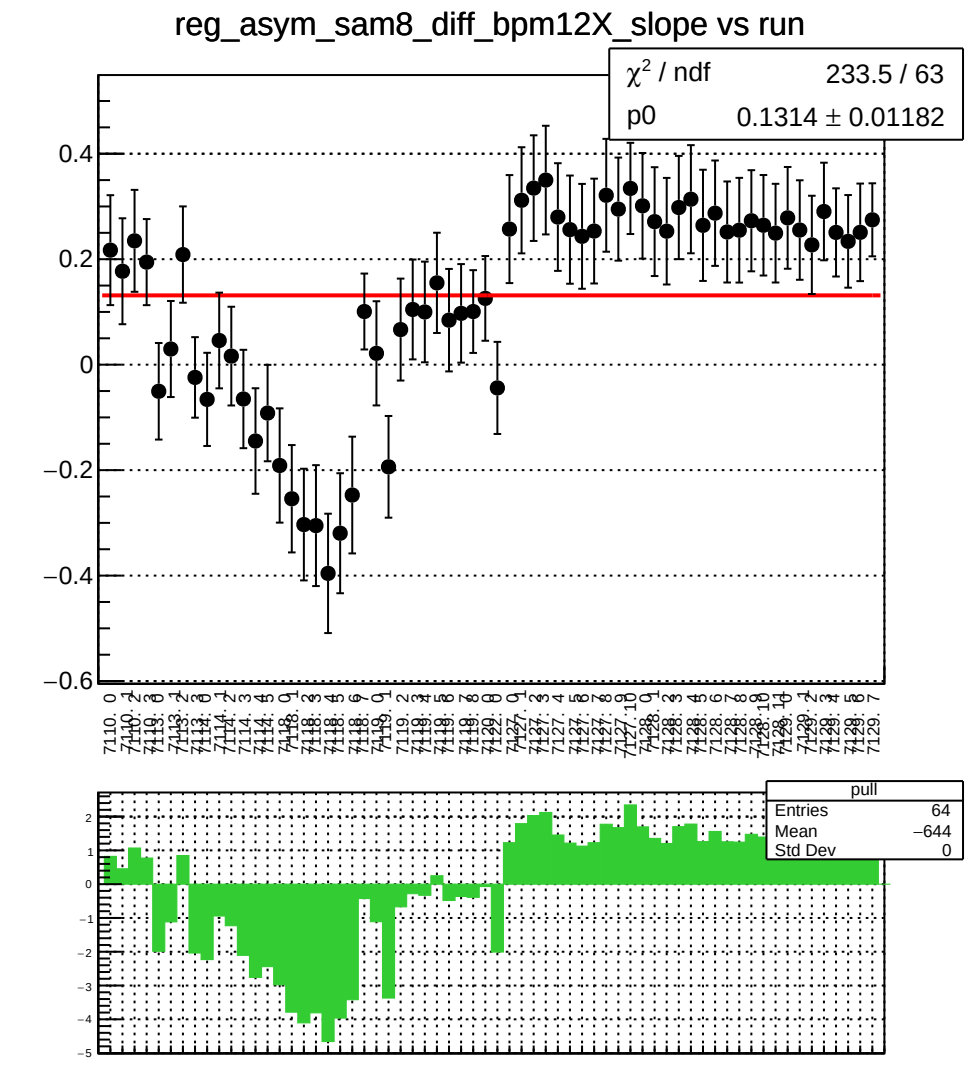

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 779.7 / 63
p0 −36.32 ± 0.2521
pull
Entries 64
Mean 735.9
Std Dev 0

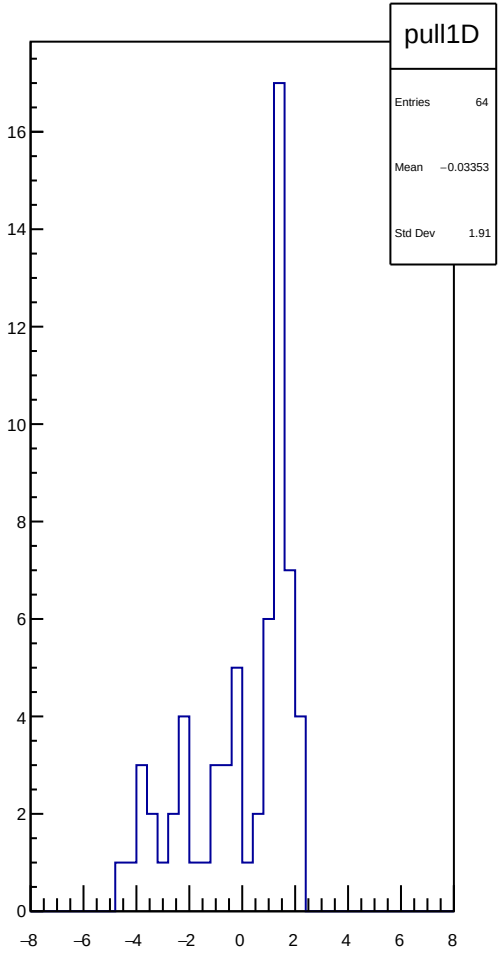

pull1D
Entries 64
Mean −0.184
Std Dev 3.363

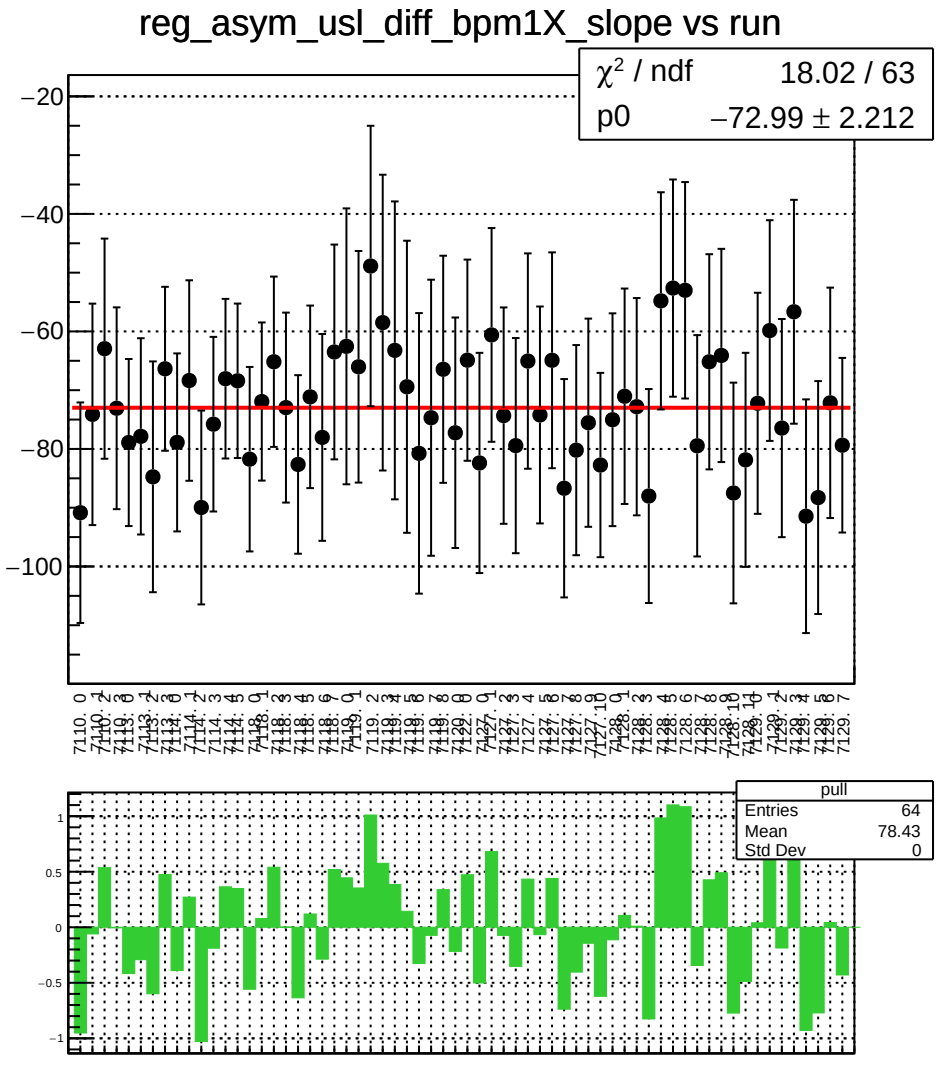

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2313 / 63
p0 −27.22 ± 0.3131
pull
Entries 64
Mean 105.6
Std Dev 0
pull1D
Entries 64
Mean −3.004
Std Dev 3.285

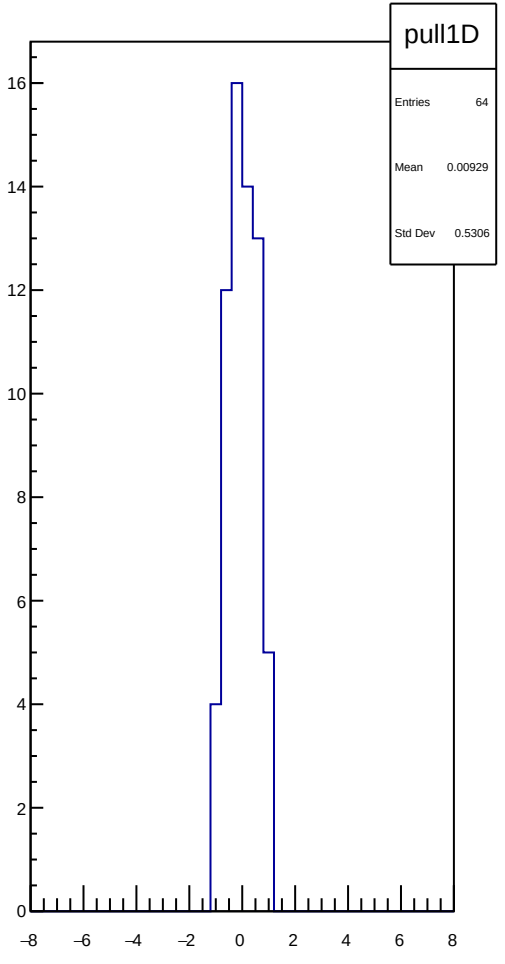

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 785.8 / 63
p0 39.58 ± 0.2659
pull
Entries 64
Mean 544.8
Std Dev 0

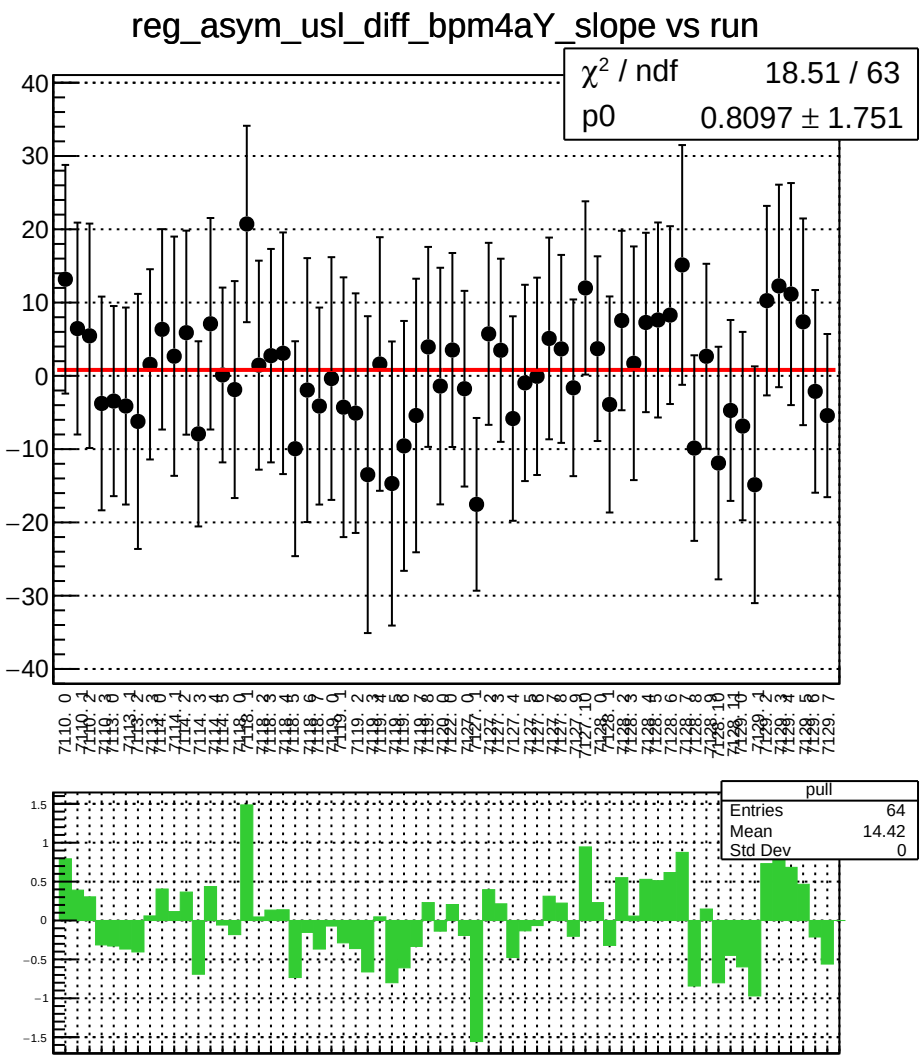

pull1D
Entries 64
Mean 0.2073
Std Dev 3.376

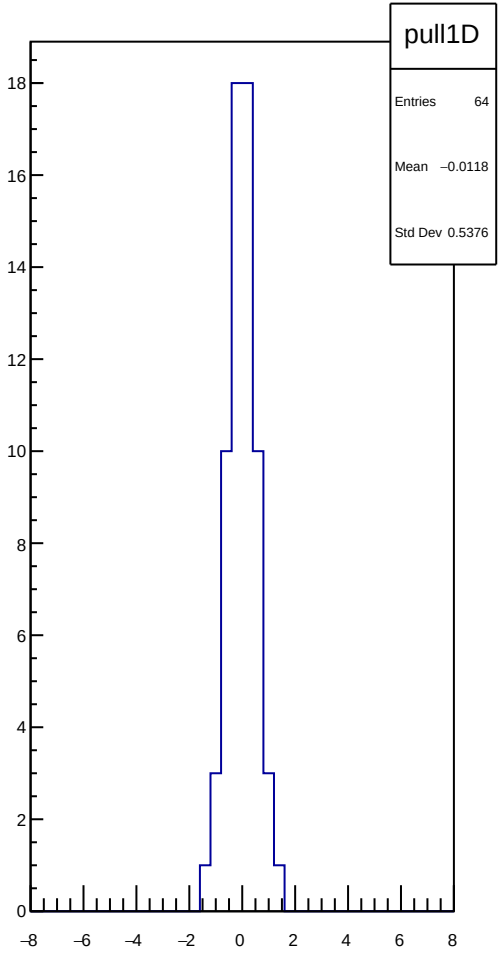

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 233.5 / 63
p0 0.1314 ± 0.01182
pull
Entries 64
Mean −644
Std Dev 0

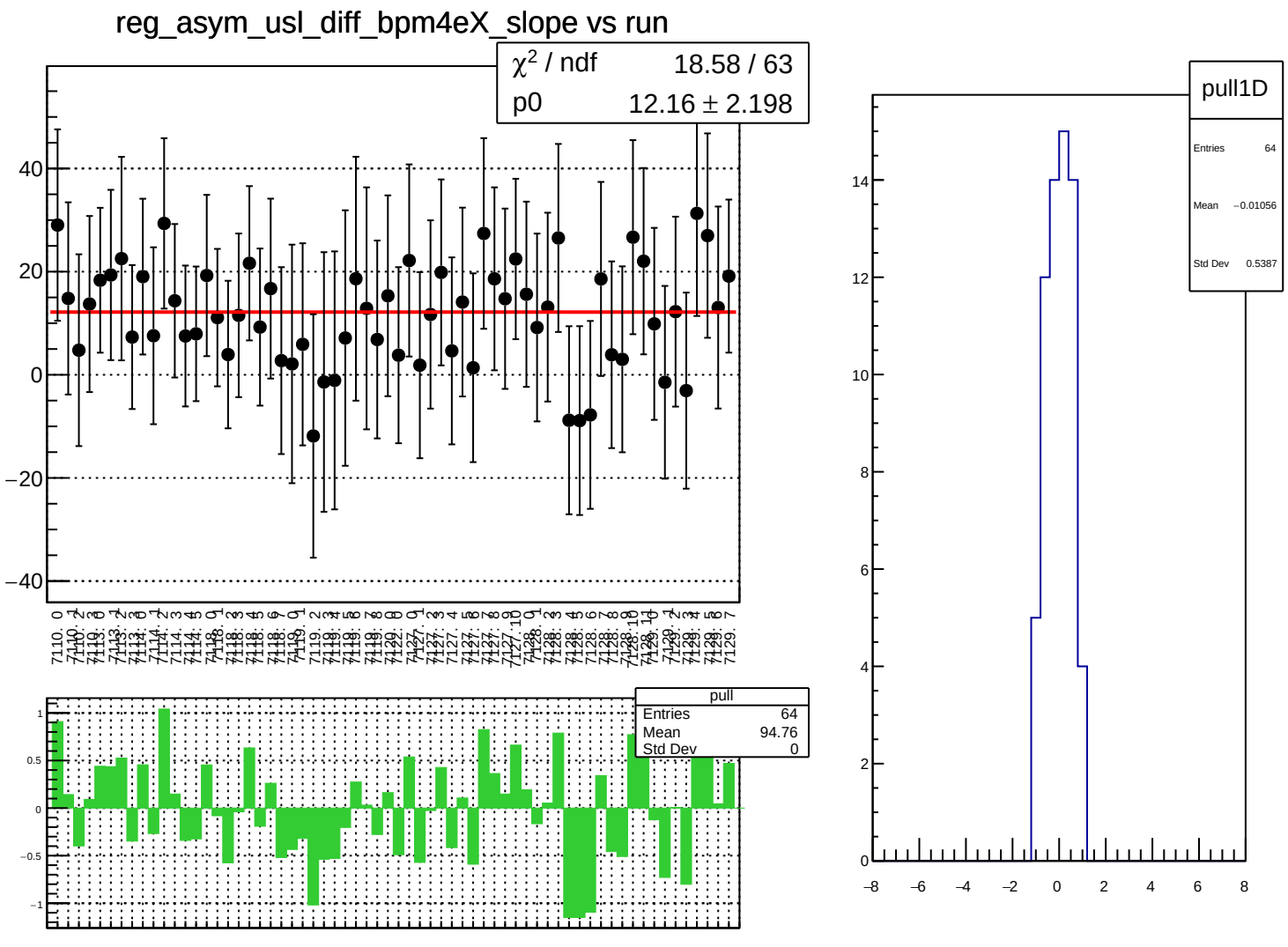

pull1D
Entries 64
Mean −0.03353
Std Dev 1.91

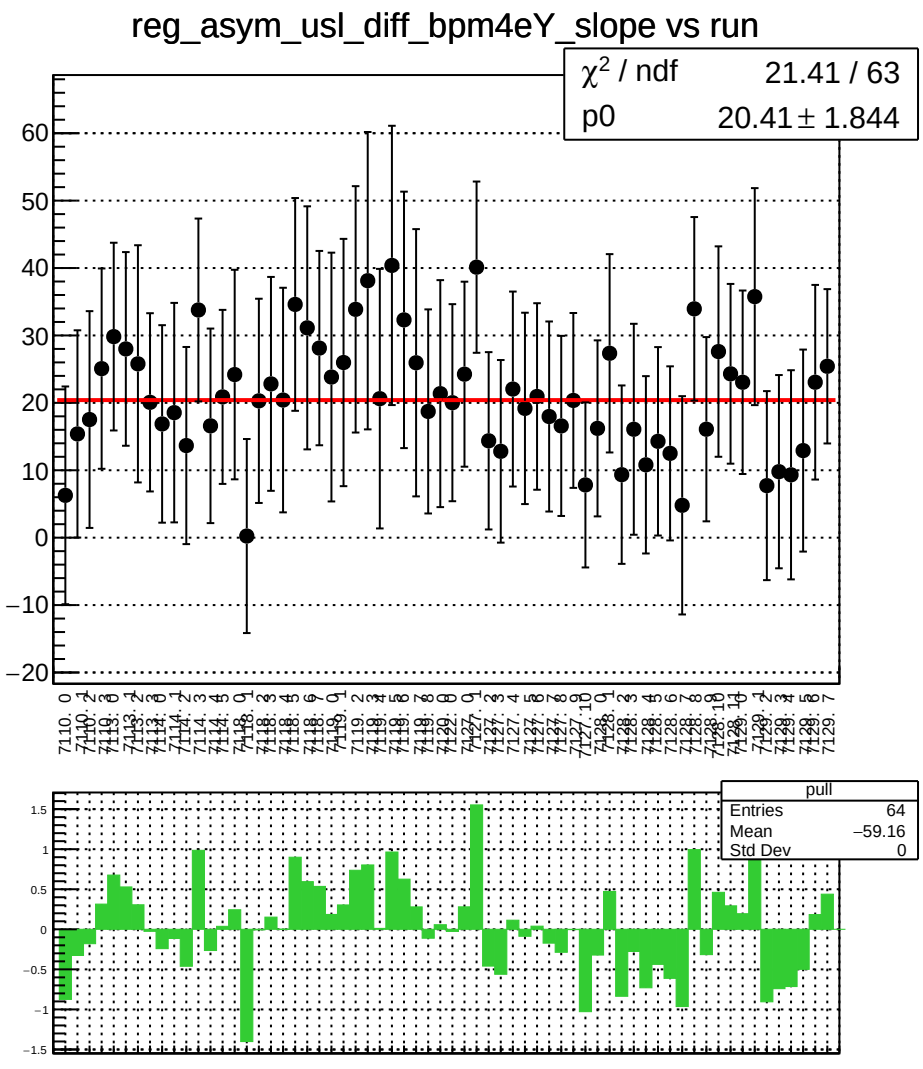

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 18.02 / 63
p0 −72.99 ± 2.212
pull
Entries 64
Mean 78.43
Std Dev 0

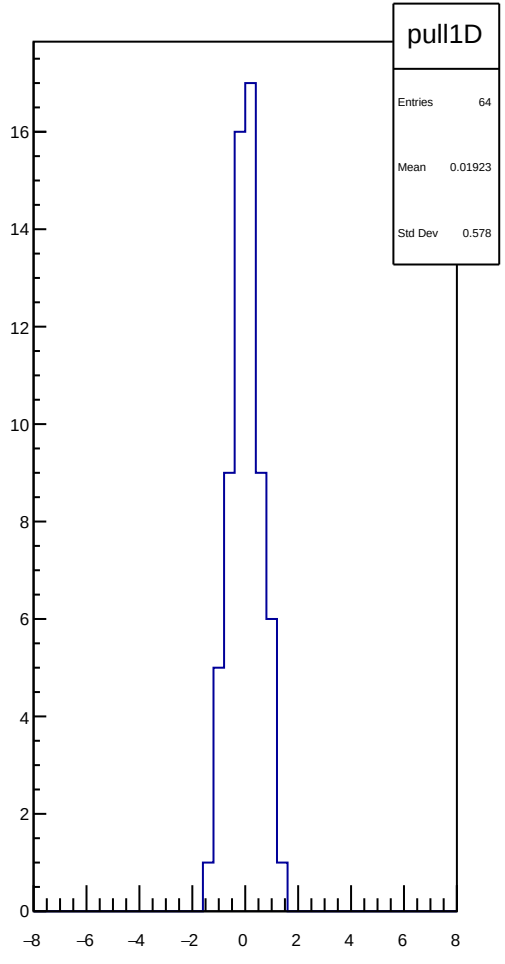

pull1D
Entries 64
Mean 0.00929
Std Dev 0.5306

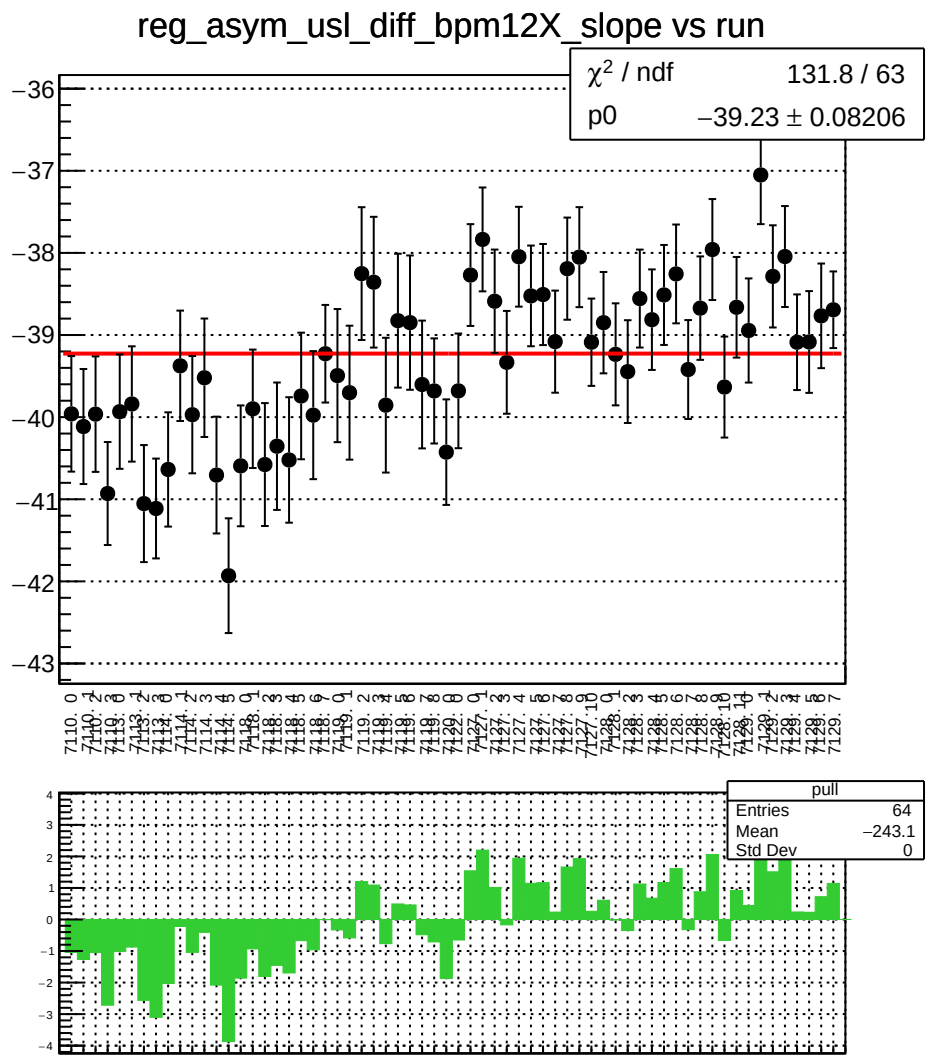

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 18.51 / 63
p0 0.8097 ± 1.751
pull
Entries 64
Mean 14.42
Std Dev 0

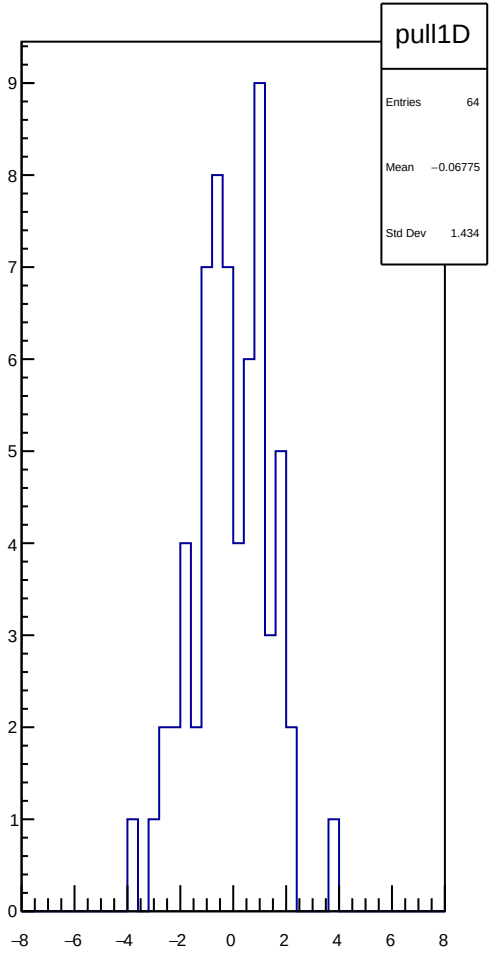

pull1D
Entries 64
Mean −0.0118
Std Dev 0.5376

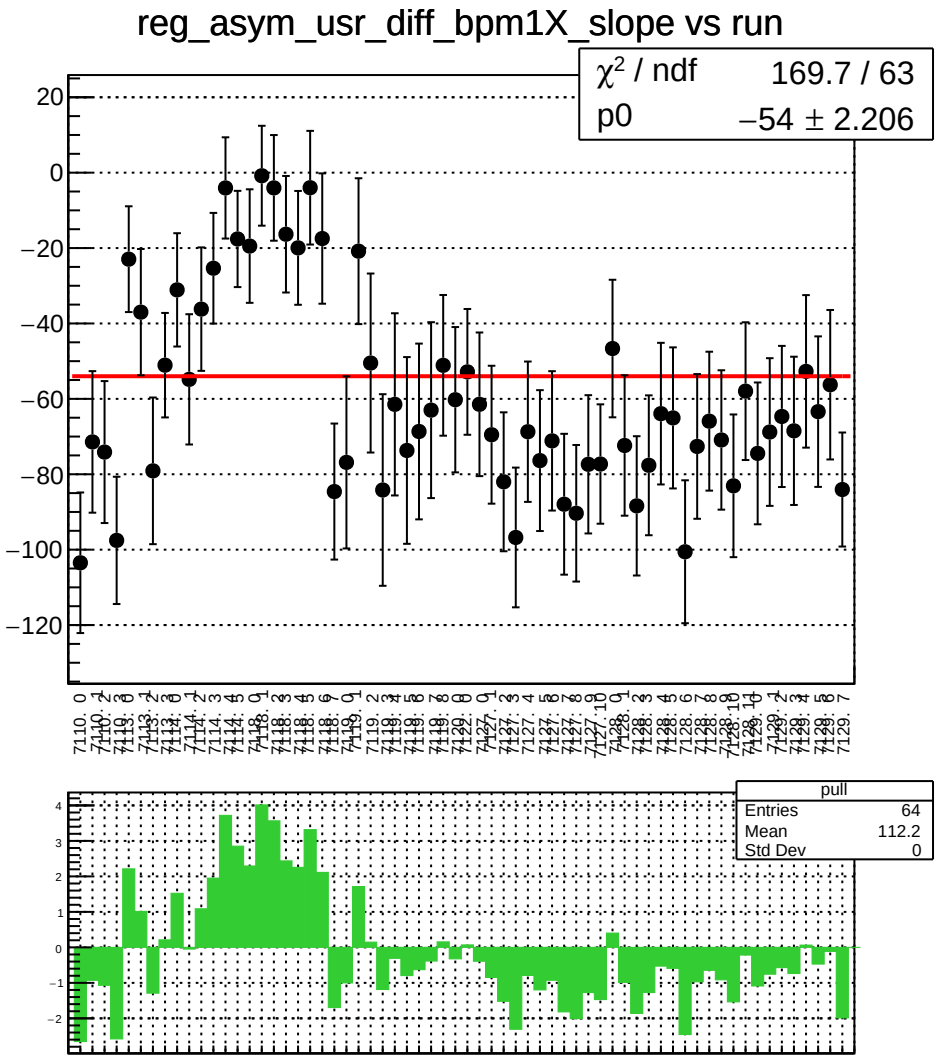

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 18.58 / 63
p0 12.16 ± 2.198
pull
Entries 64
Mean 94.76
Std Dev 0
pull1D
Entries 64
Mean −0.01056
Std Dev 0.5387

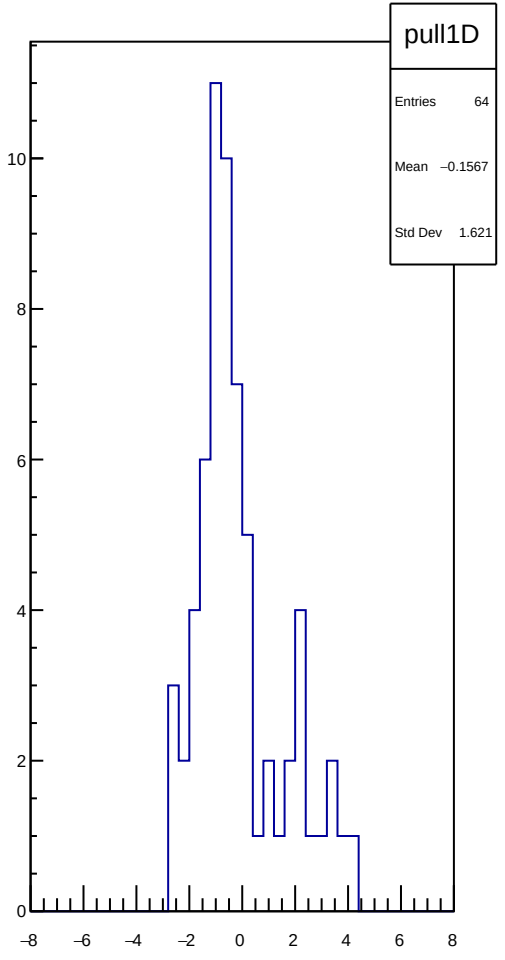

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 21.41 / 63
p0 20.41 ± 1.844
pull
Entries 64
Mean −59.16
Std Dev 0

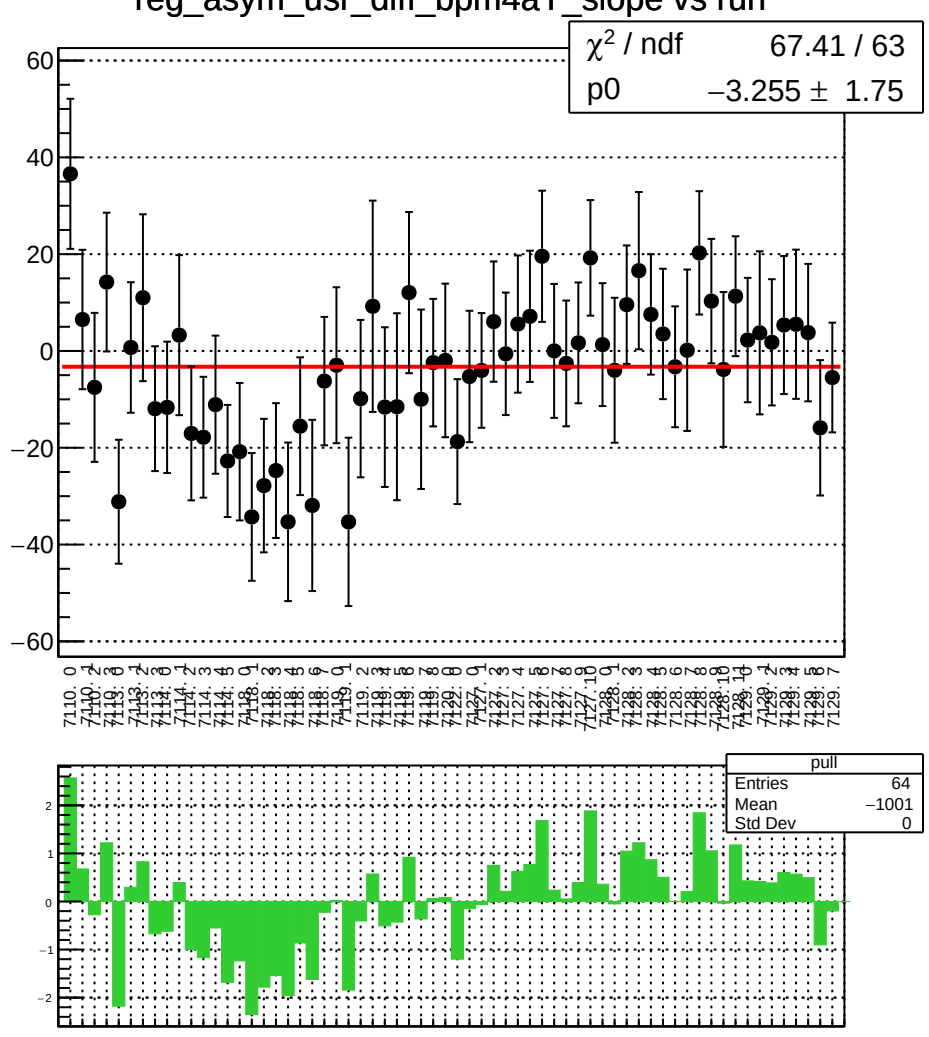

pull1D
Entries 64
Mean 0.01923
Std Dev 0.578

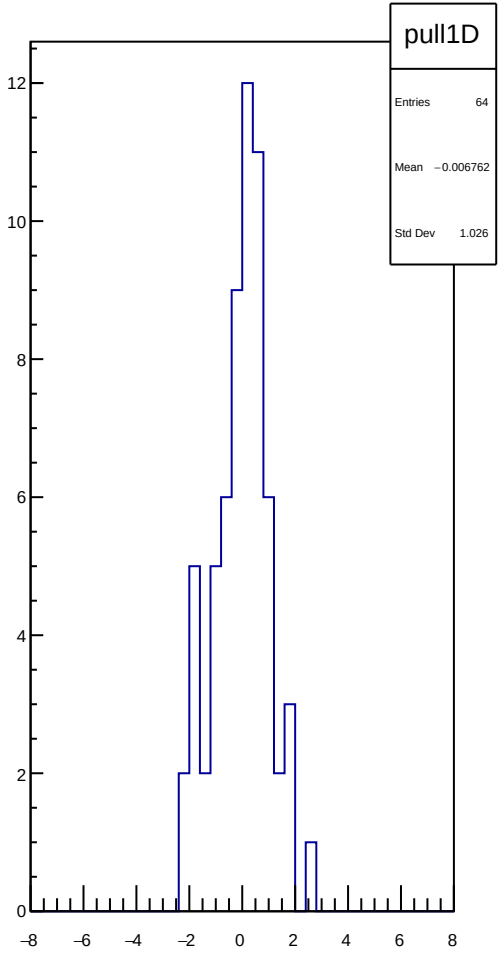

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 131.8 / 63
p0 −39.23 ± 0.08206
pull
Entries 64
Mean −243.1
Std Dev 0

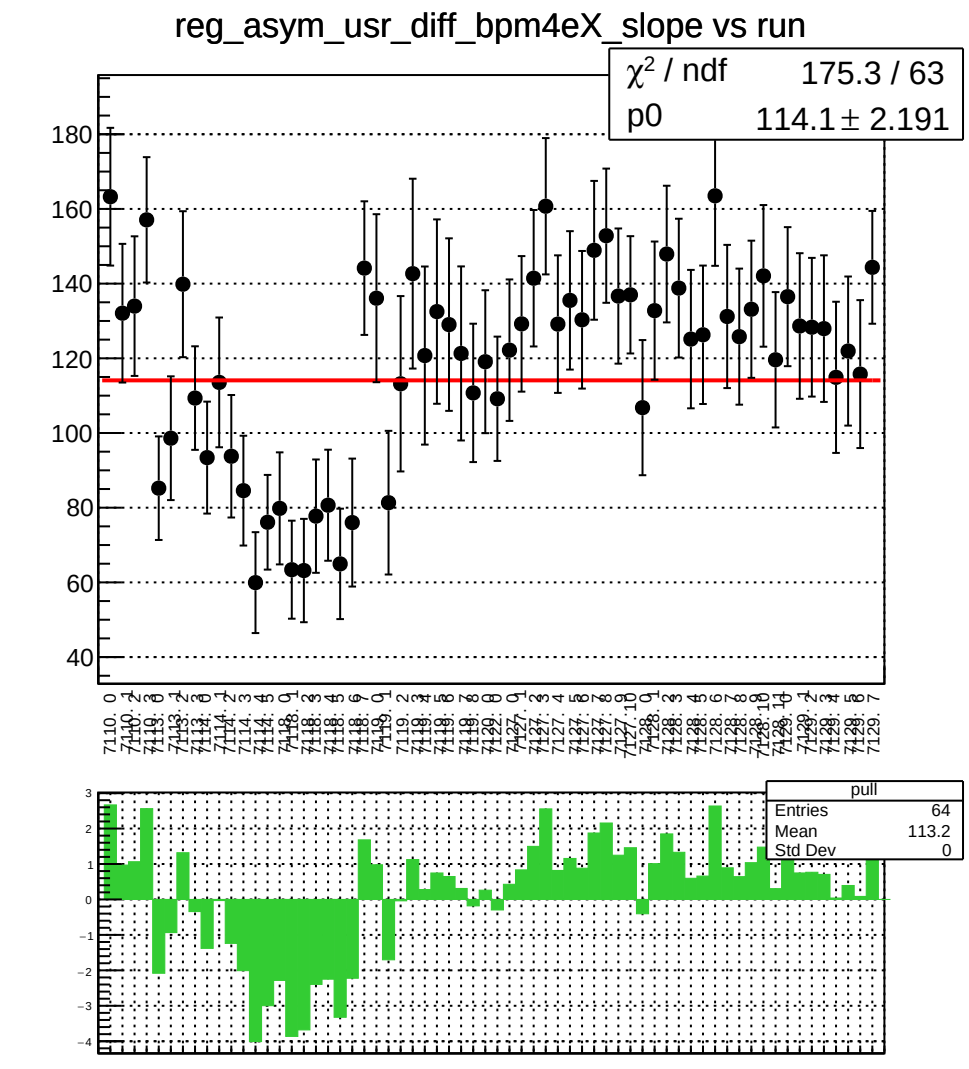

pull1D
Entries 64
Mean −0.06775
Std Dev 1.434

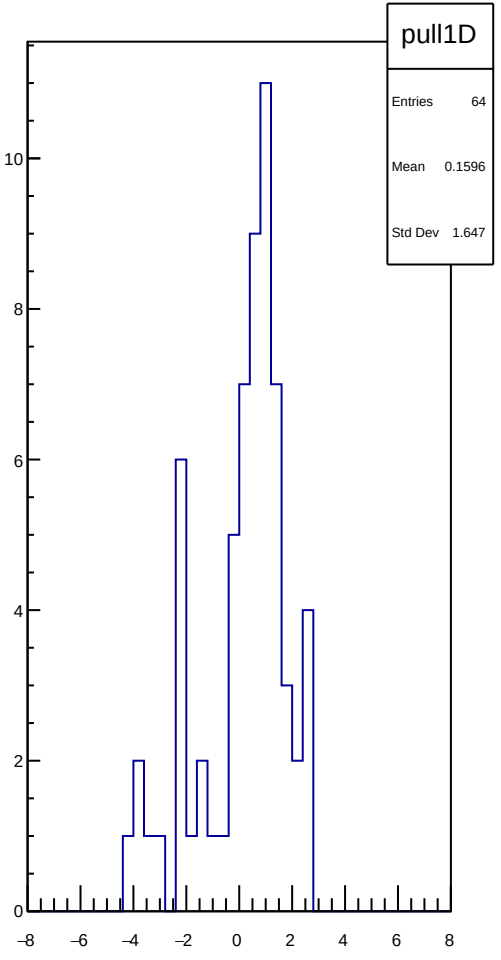

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 169.7 / 63
p0 −54 ± 2.206
pull
Entries 64
Mean 112.2
Std Dev 0

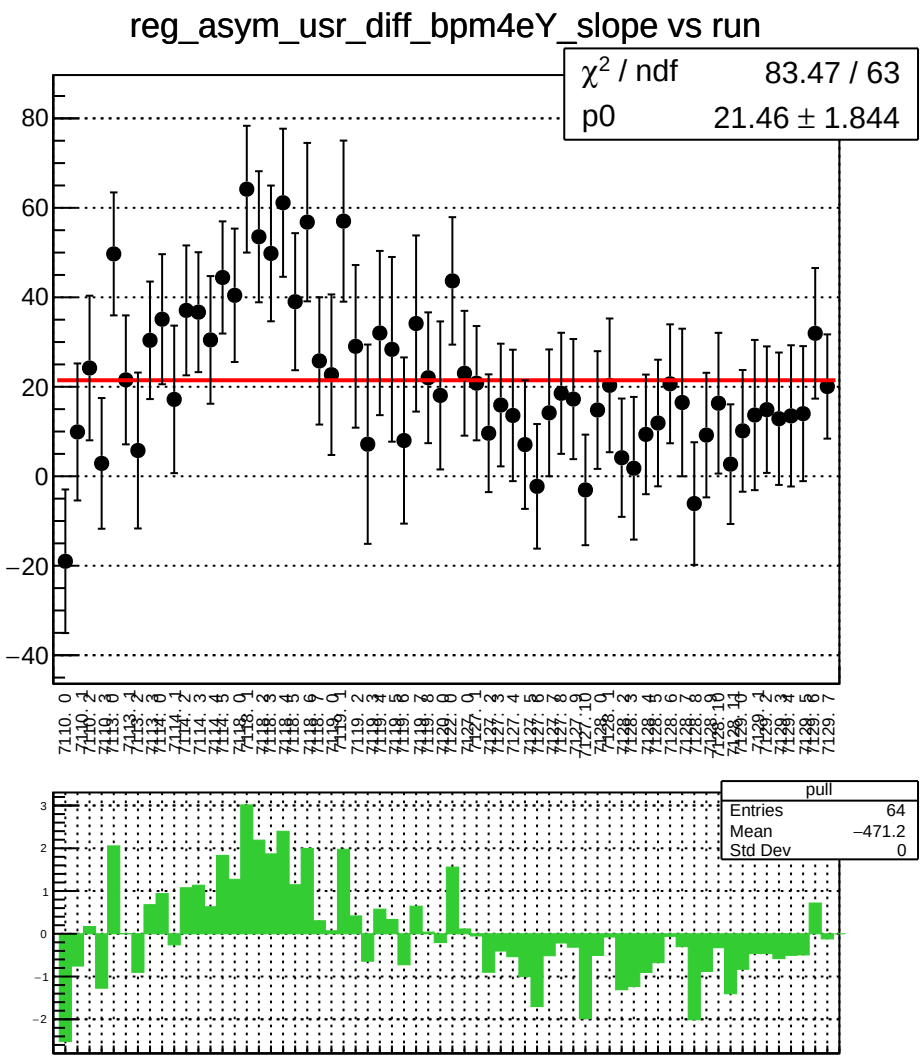

pull1D
Entries 64
Mean −0.1567
Std Dev 1.621

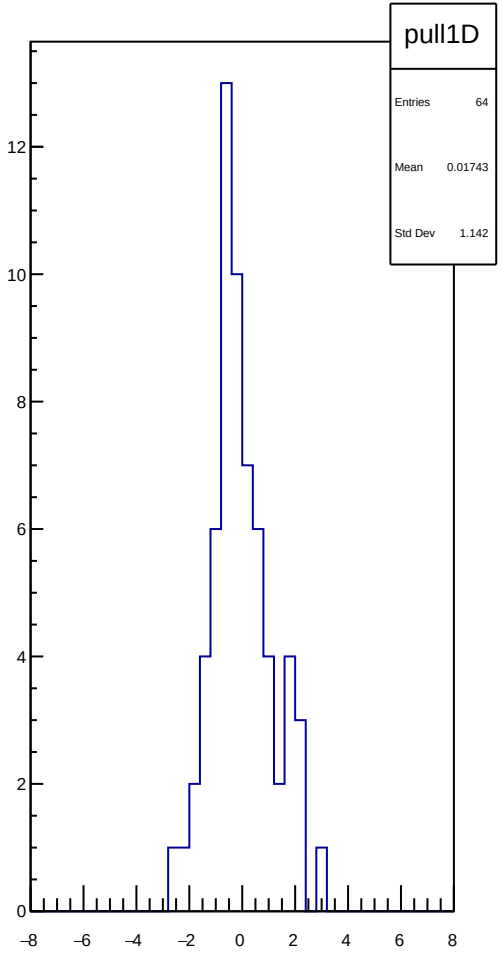

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 67.41 / 63
p0 −3.255 ± 1.75
pull
Entries 64
Mean −1001
Std Dev 0

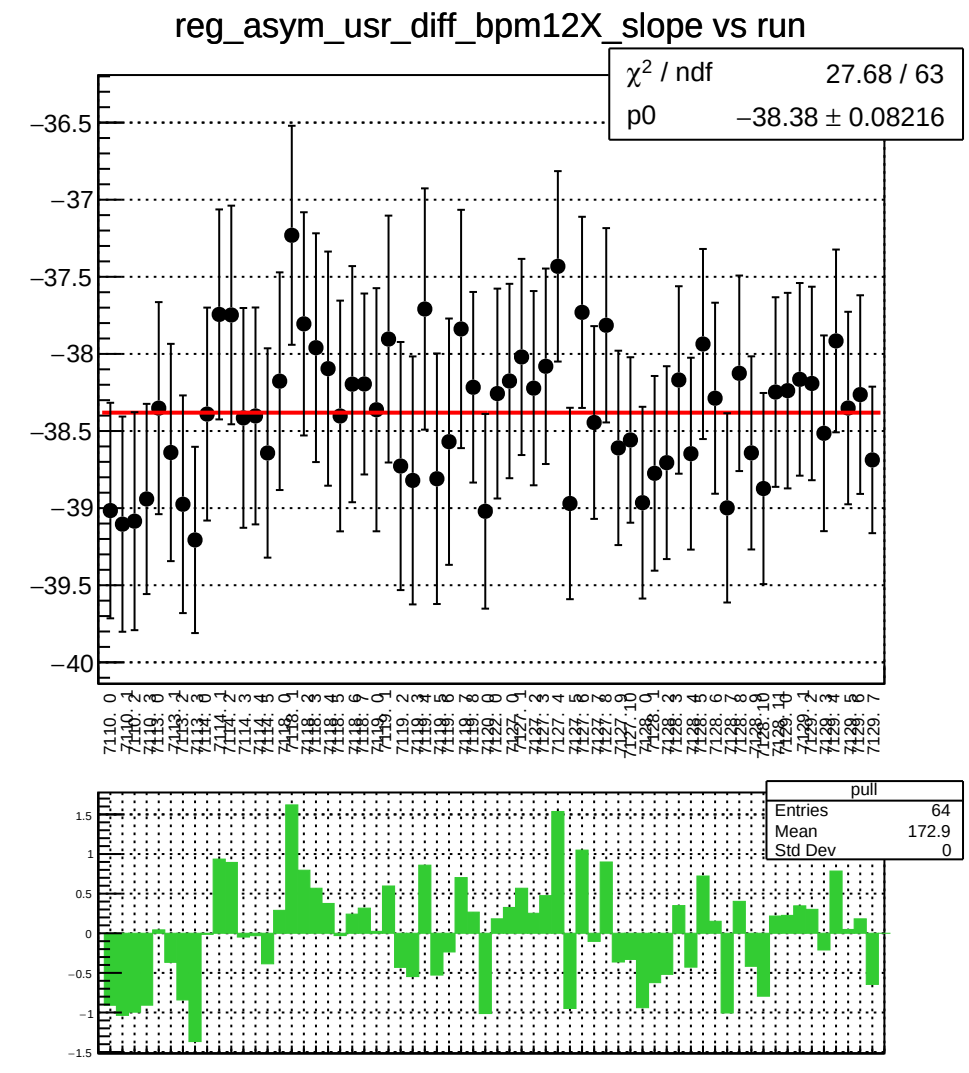

pull1D
Entries 64
Mean −0.006762
Std Dev 1.026

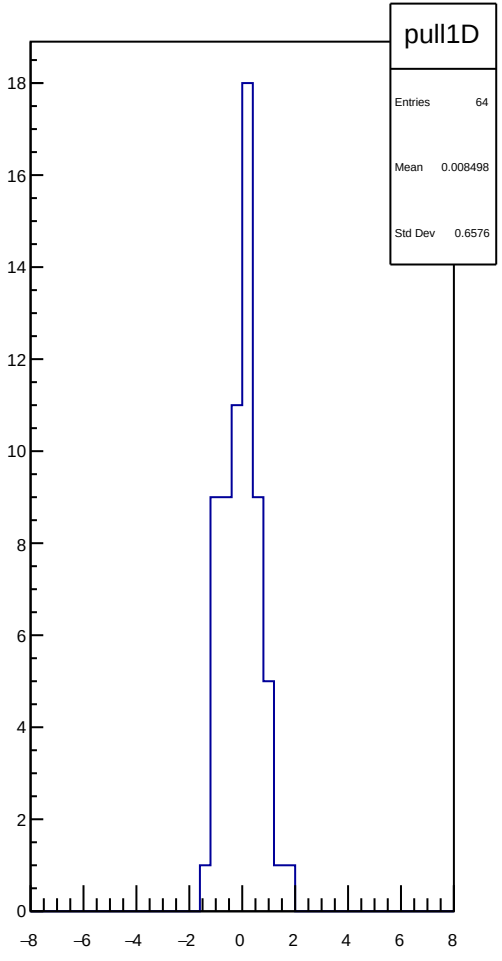

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 175.3 / 63
p0 114.1 ± 2.191
pull
Entries 64
Mean 113.2
Std Dev 0

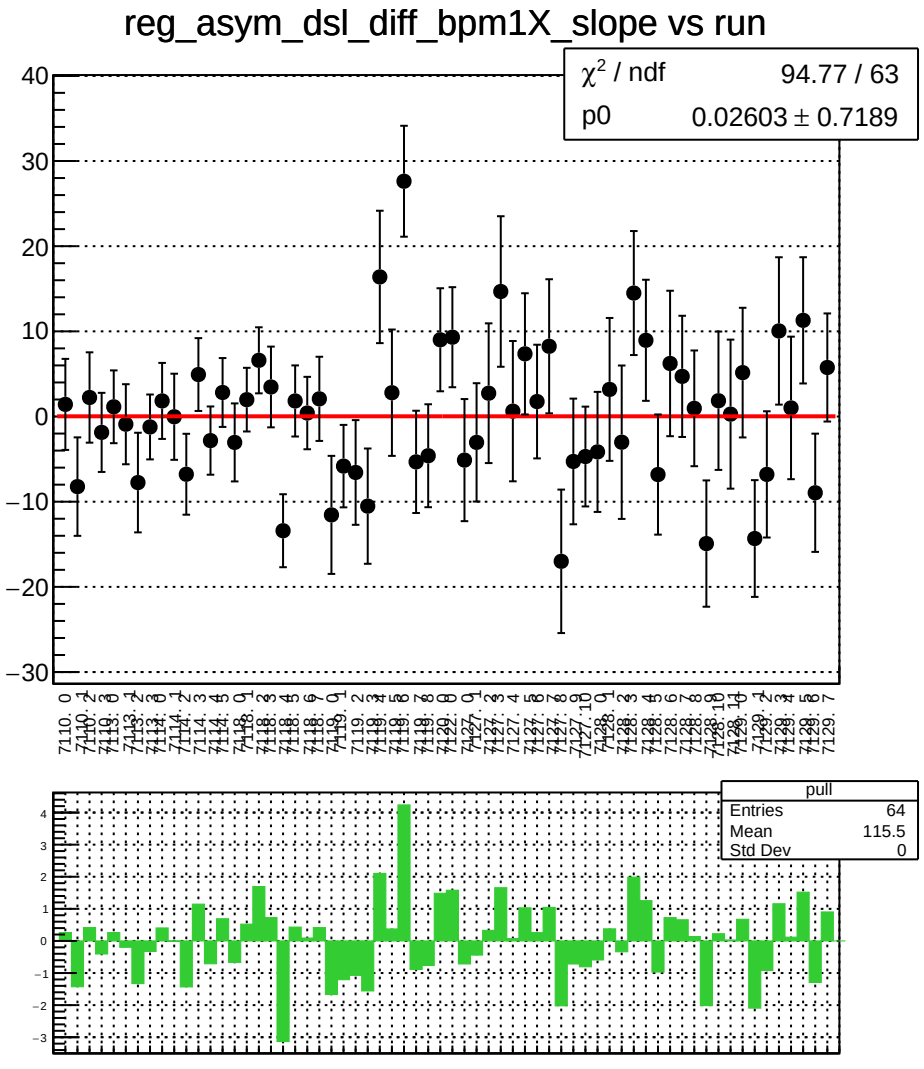

pull1D
Entries 64
Mean 0.1596
Std Dev 1.647

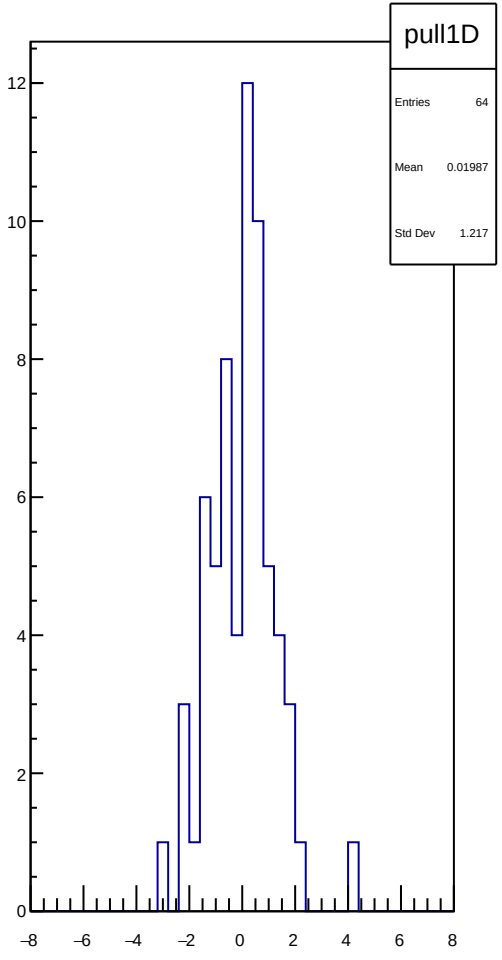

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 83.47 / 63
p0 21.46 ± 1.844
pull
Entries 64
Mean −471.2
Std Dev 0

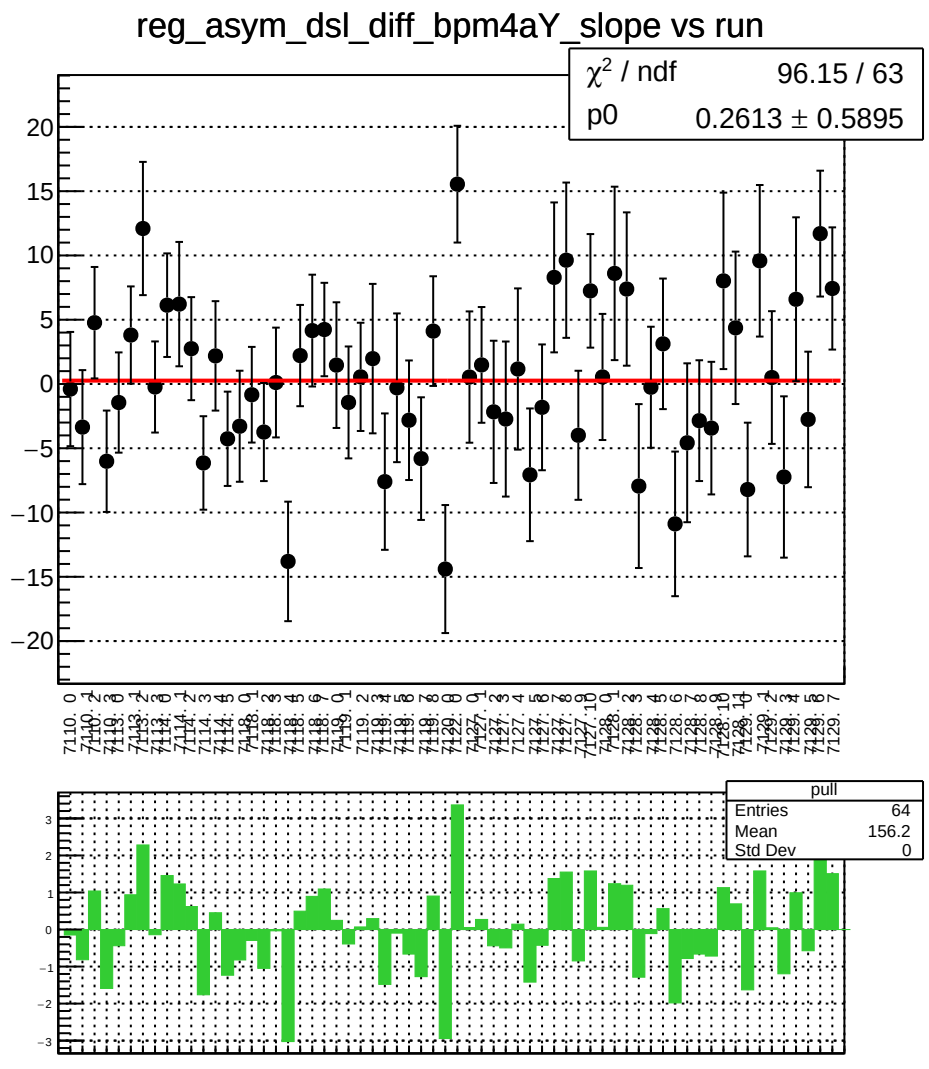

pull1D
Entries 64
Mean 0.01743
Std Dev 1.142

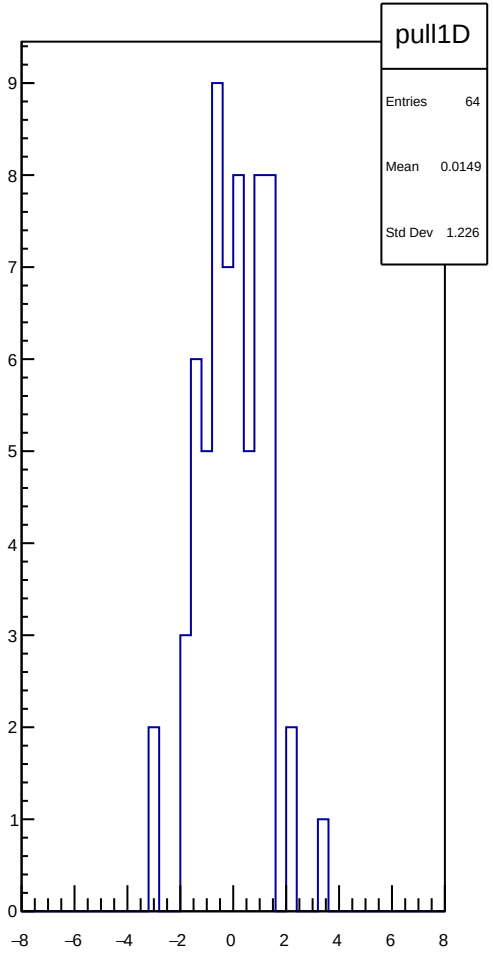

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 27.68 / 63
p0 −38.38 ± 0.08216
pull
Entries 64
Mean 172.9
Std Dev 0

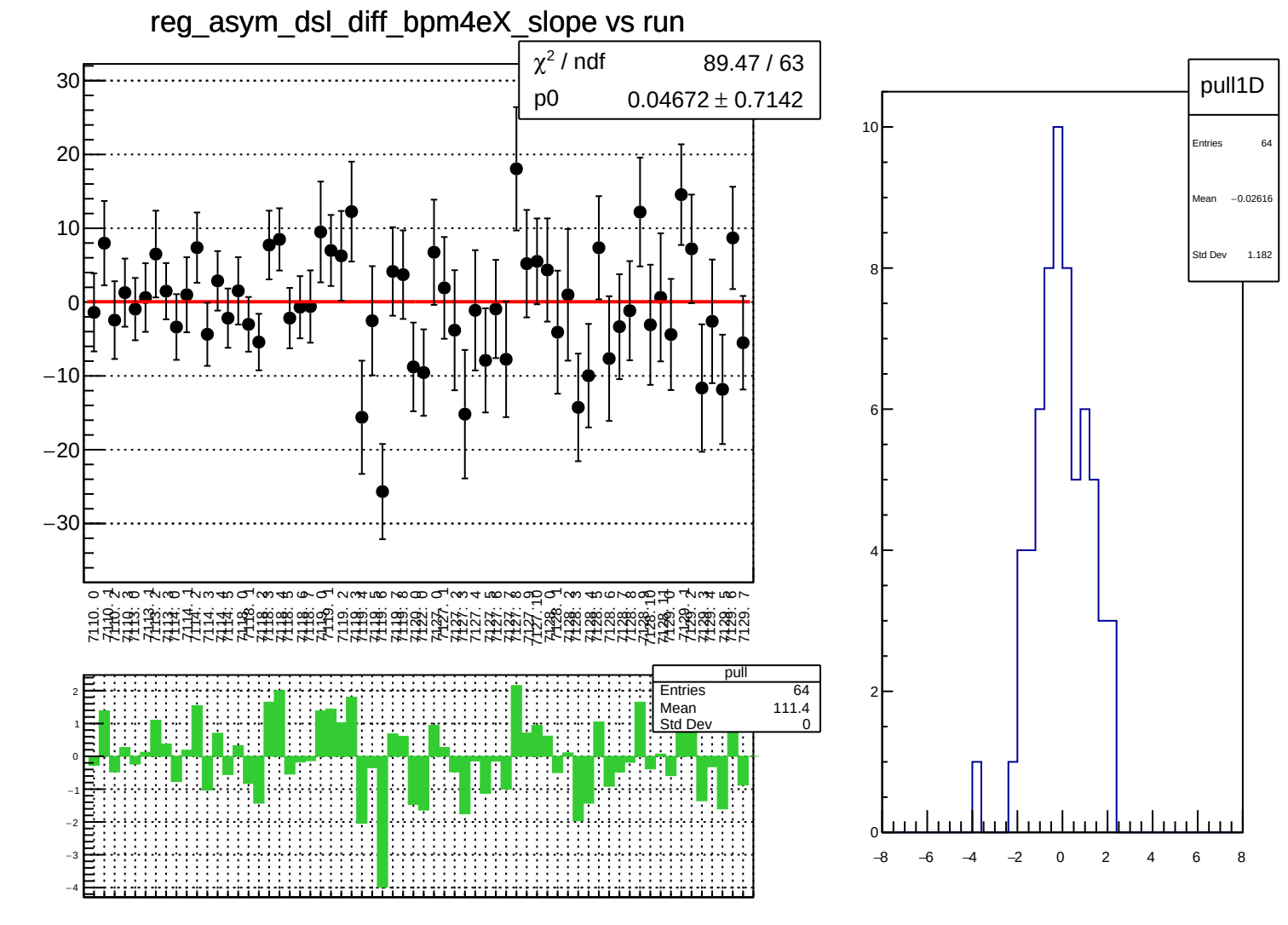

pull1D
Entries 64
Mean 0.008498
Std Dev 0.6576

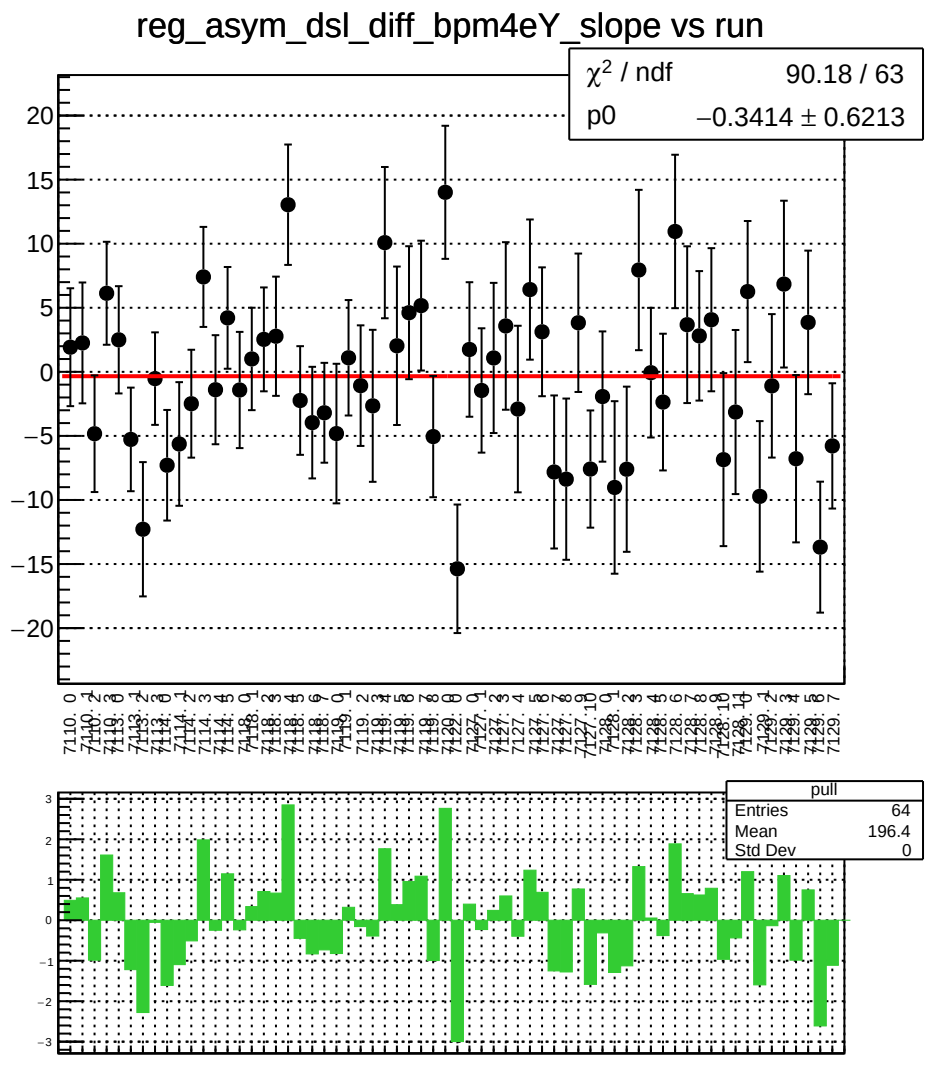

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 94.77 / 63
p0 0.02603 ± 0.7189
pull
Entries 64
Mean 115.5
Std Dev 0

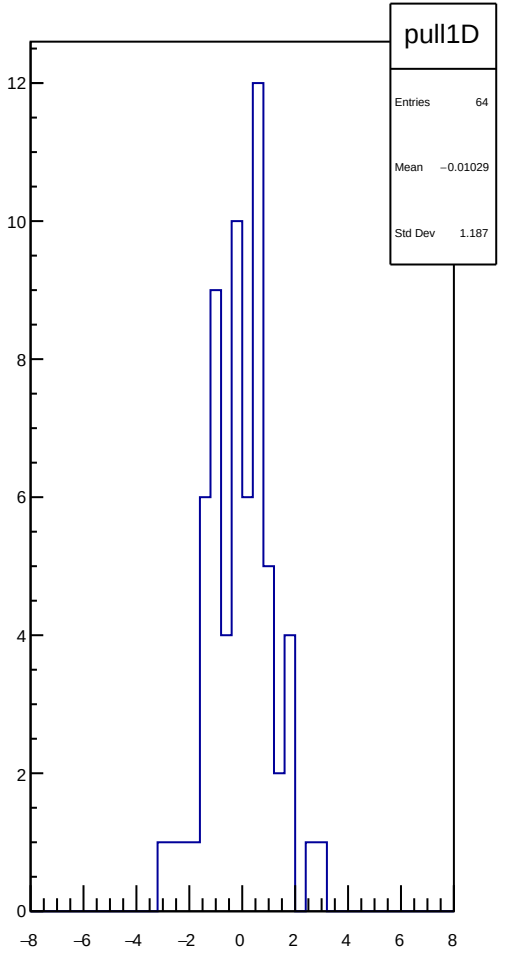

pull1D
Entries 64
Mean 0.01987
Std Dev 1.217

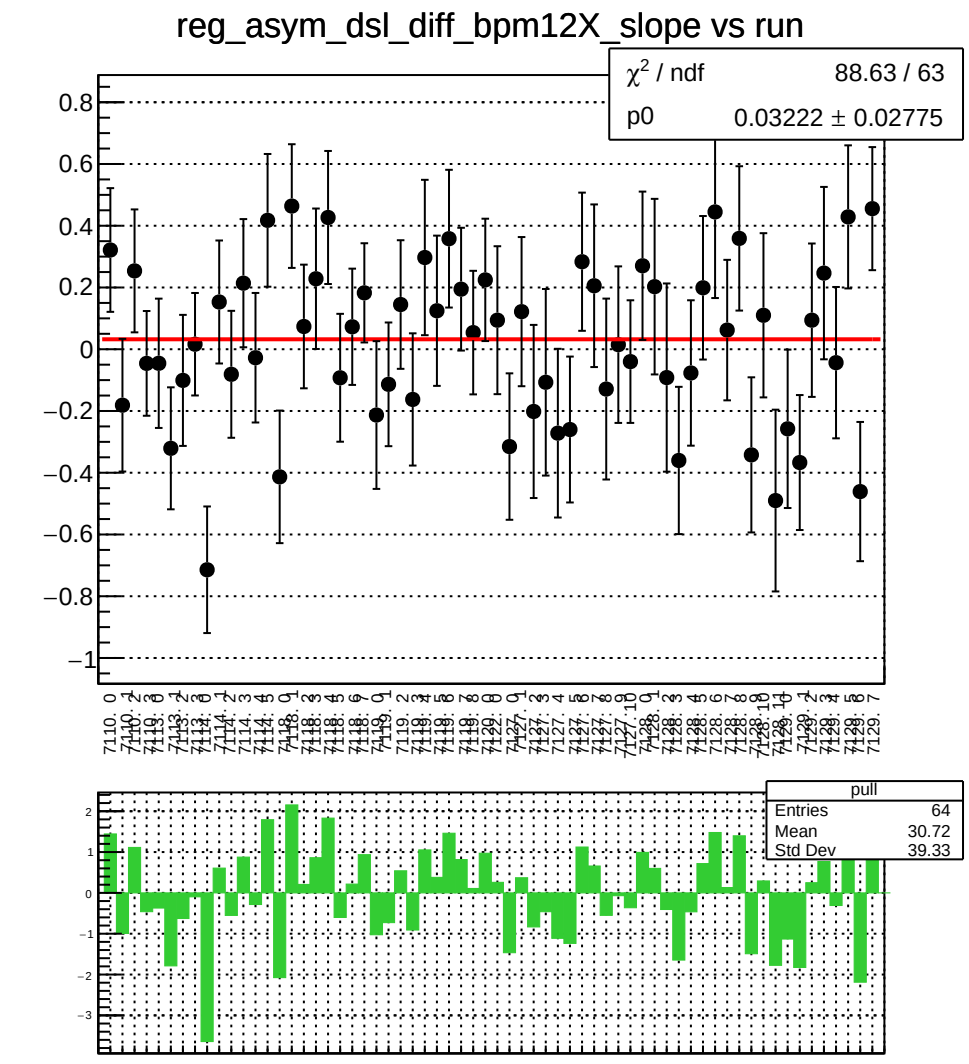

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 96.15 / 63
p0 0.2613 ± 0.5895
pull
Entries 64
Mean 156.2
Std Dev 0

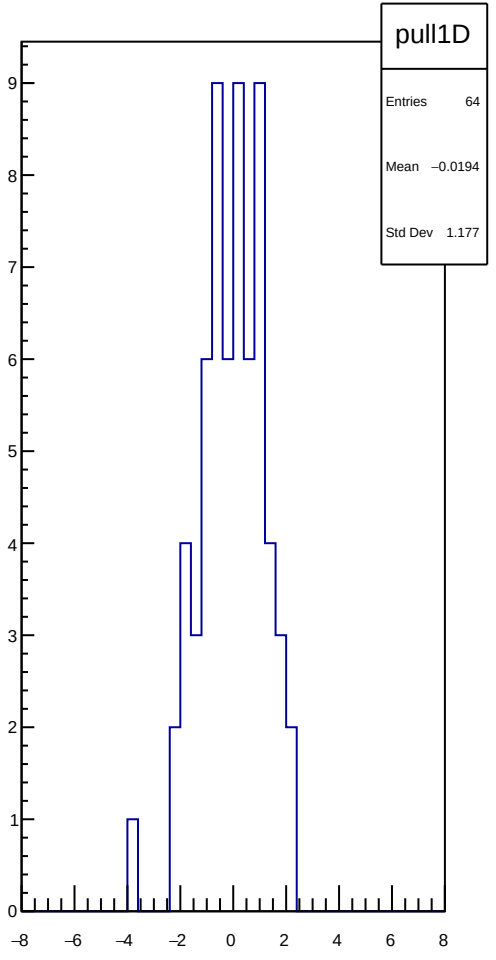

pull1D
Entries 64
Mean 0.0149
Std Dev 1.226

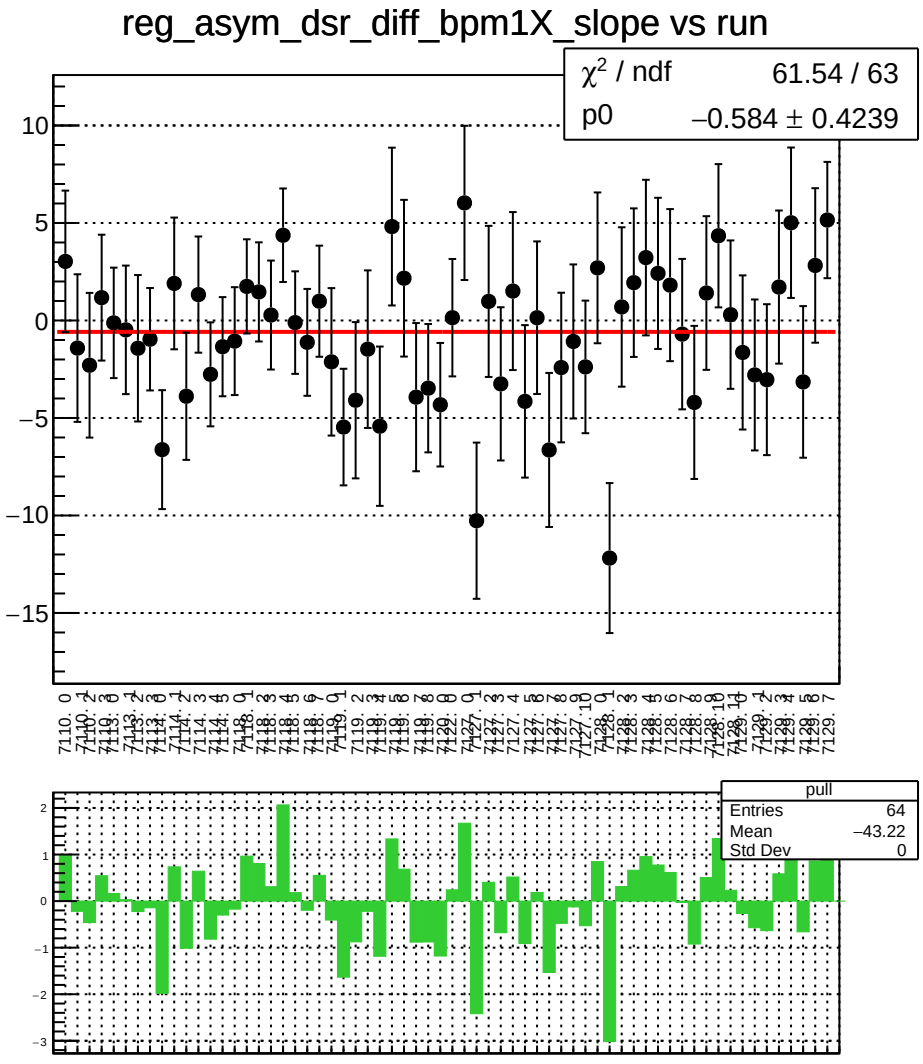

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 89.47 / 63
p0 0.04672 ± 0.7142
pull
Entries 64
Mean 111.4
Std Dev 0
pull1D
Entries 64
Mean −0.02616
Std Dev 1.182

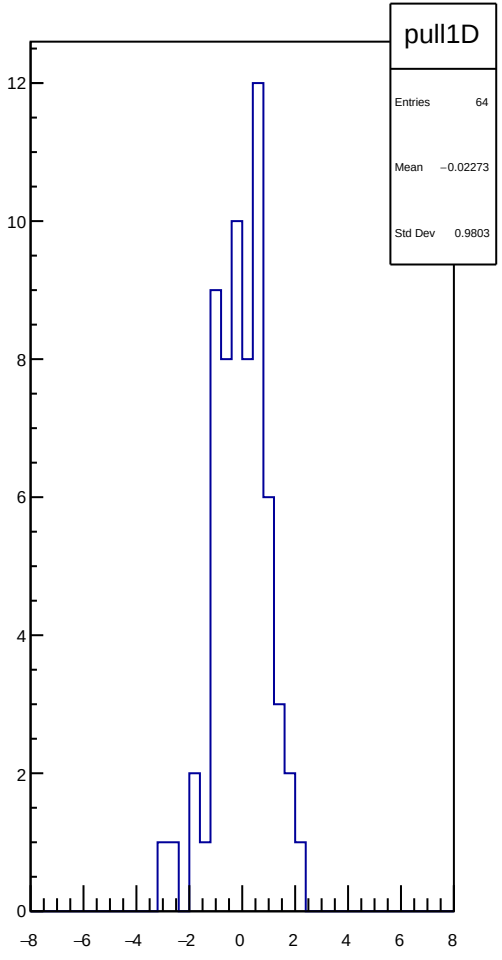

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 90.18 / 63
p0 −0.3414 ± 0.6213
pull
Entries 64
Mean 196.4
Std Dev 0

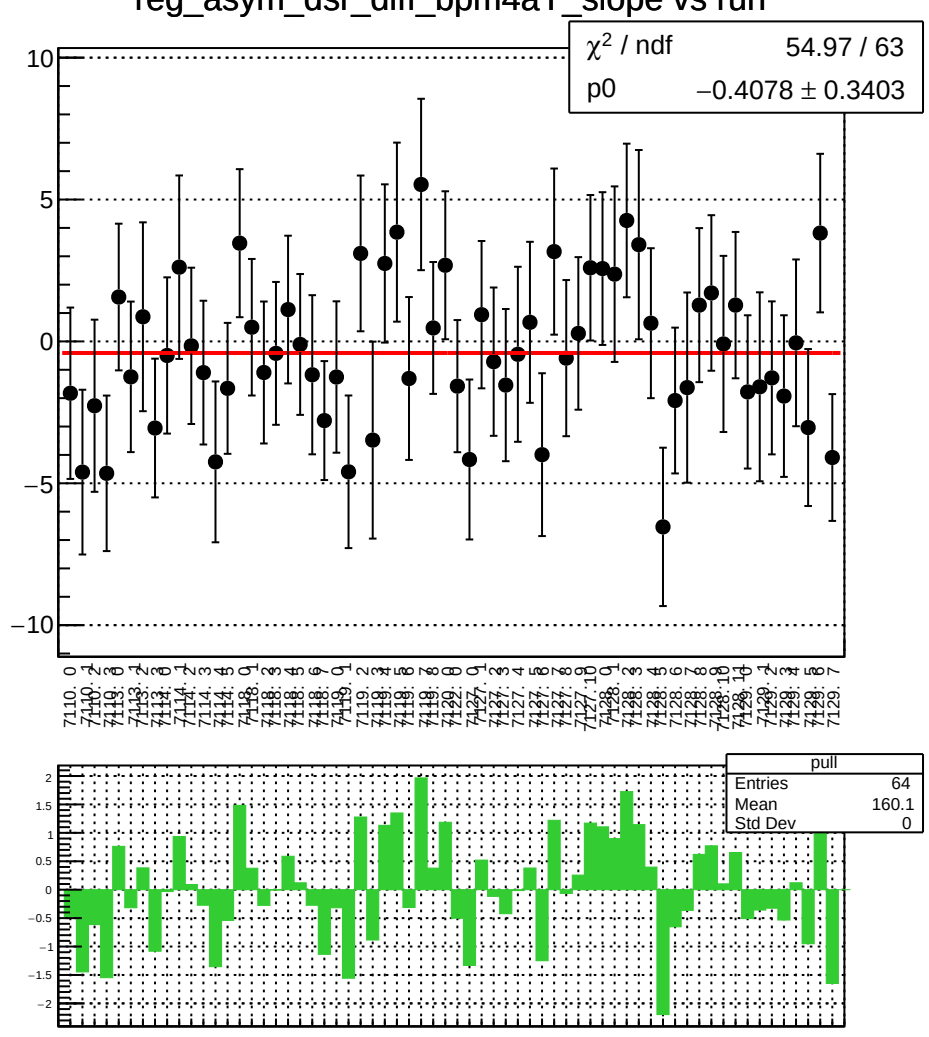

pull1D
Entries 64
Mean −0.01029
Std Dev 1.187

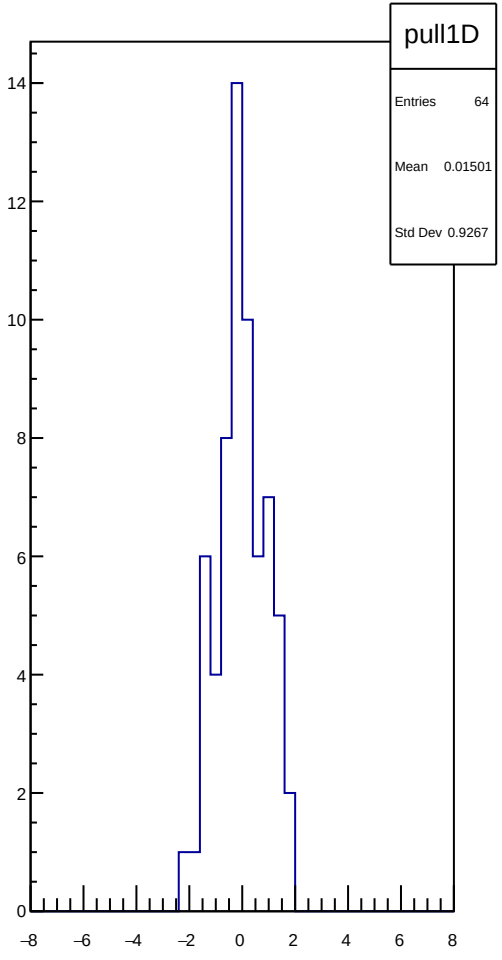

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 88.63 / 63
p0 0.03222 ± 0.02775
pull
Entries 64
Mean 30.72
Std Dev 39.33

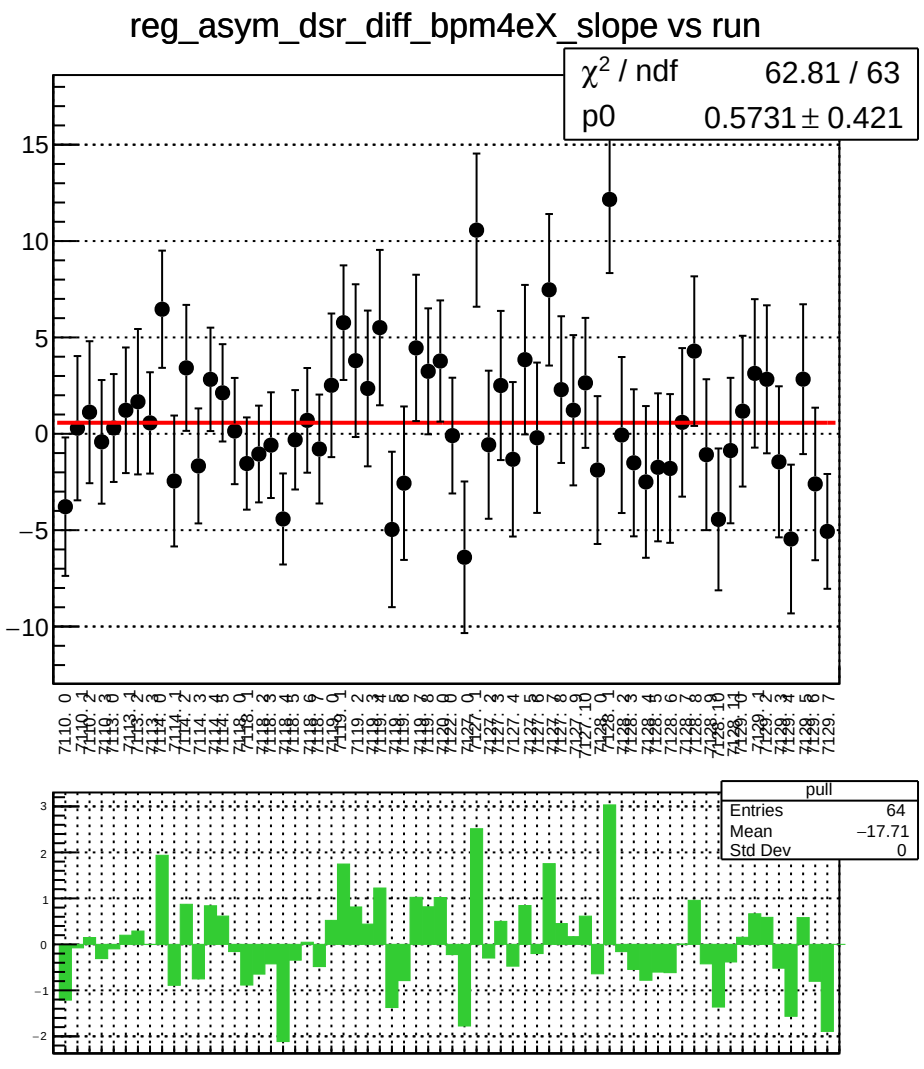

pull1D
Entries 64
Mean −0.0194
Std Dev 1.177

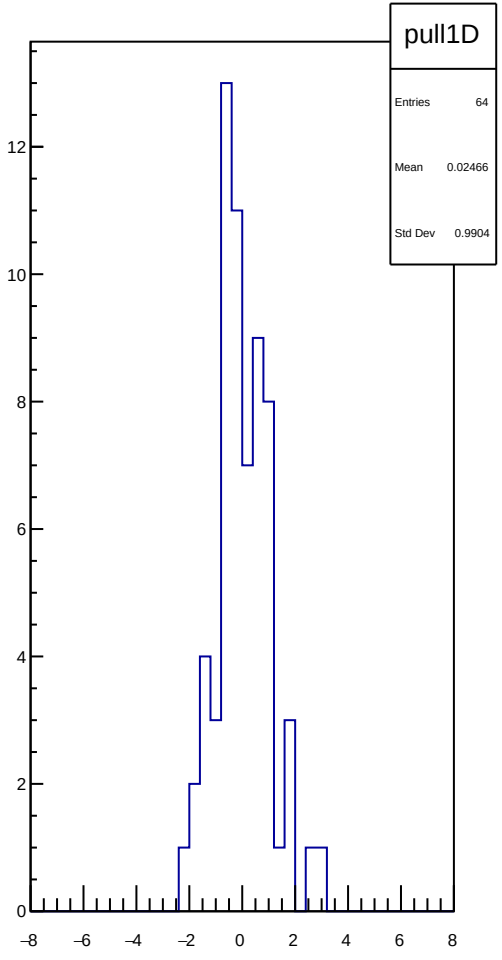

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 61.54 / 63
p0 −0.584 ± 0.4239
pull
Entries 64
Mean −43.22
Std Dev 0

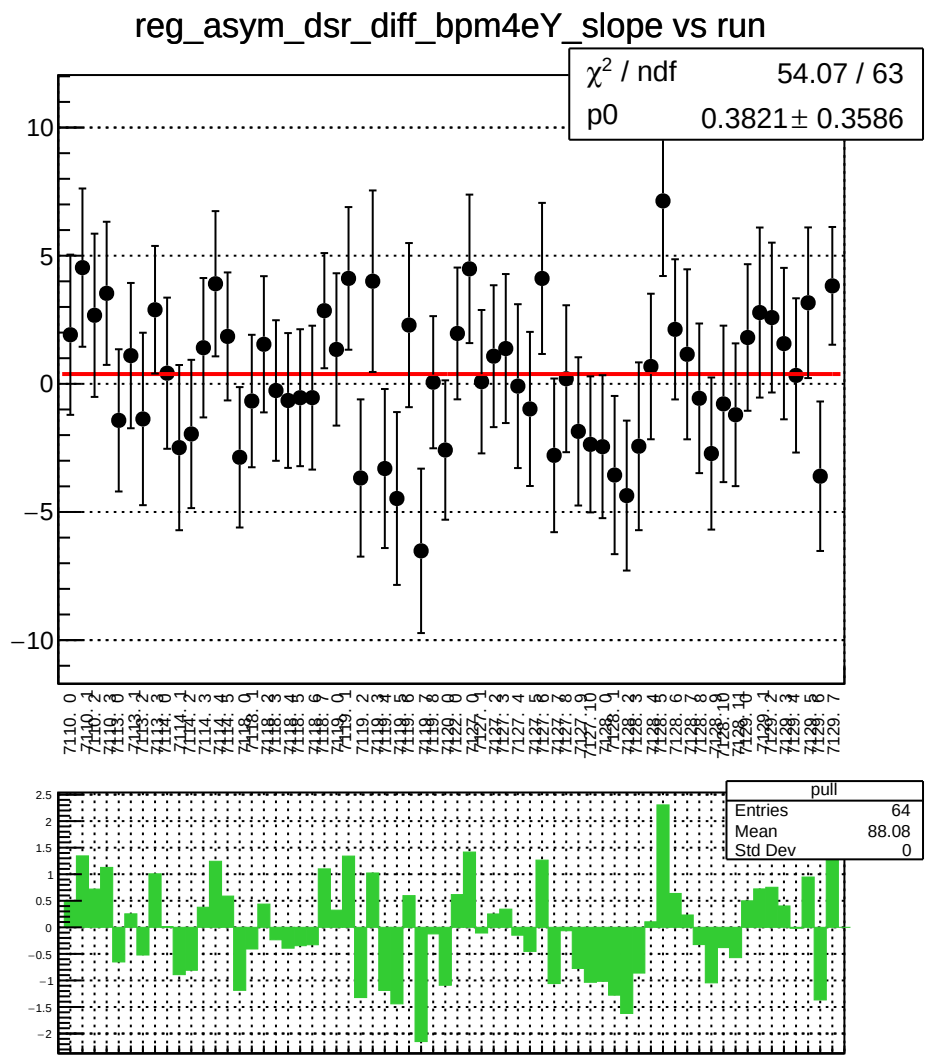

pull1D
Entries 64
Mean −0.02273
Std Dev 0.9803

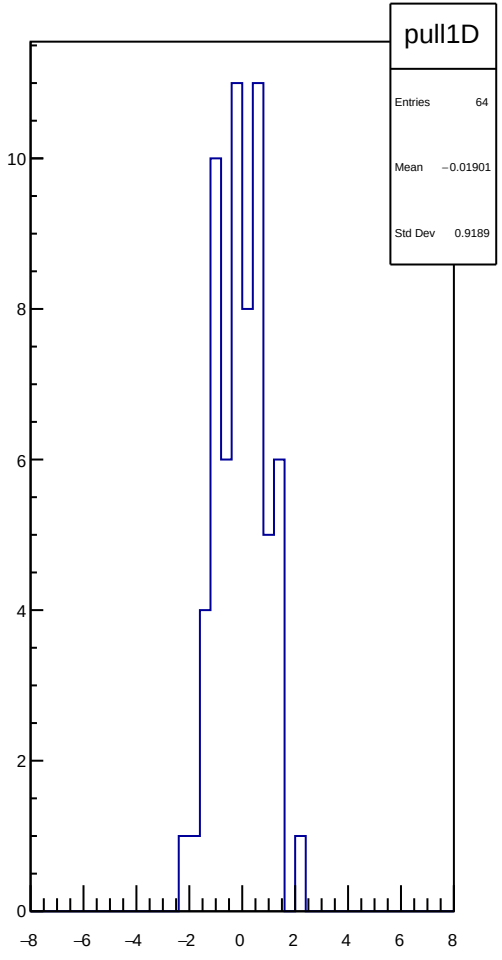

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 54.97 / 63
p0 −0.4078 ± 0.3403
pull
Entries 64
Mean 160.1
Std Dev 0

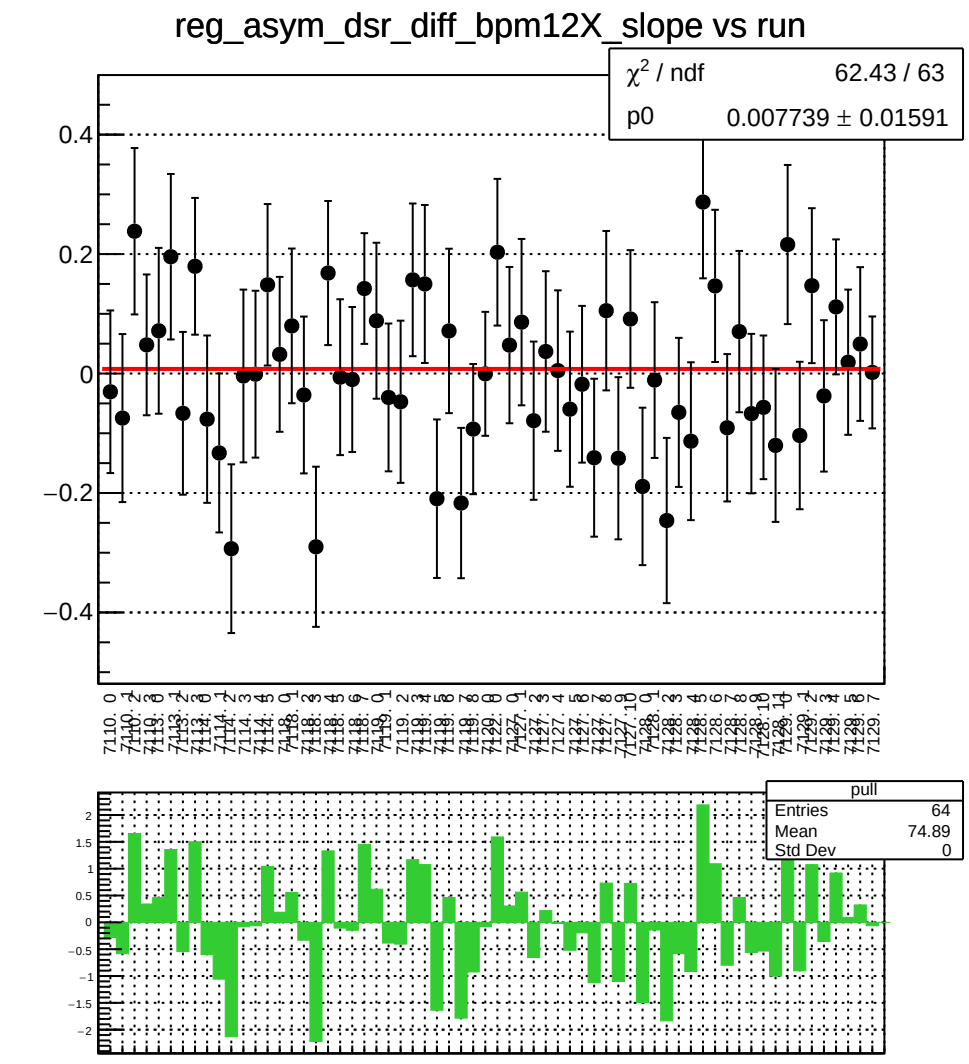

pull1D
Entries 64
Mean 0.01501
Std Dev 0.9267

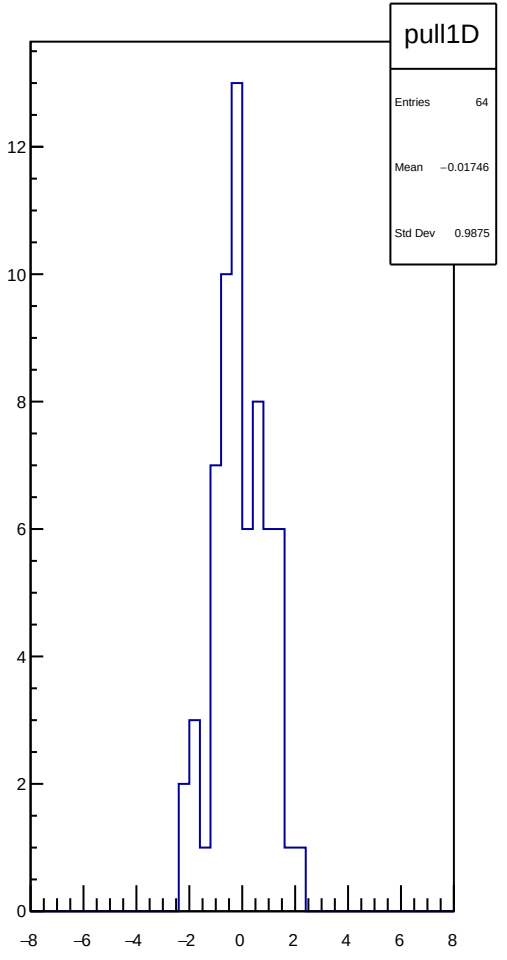

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 62.81 / 63
p0 0.5731 ± 0.421
pull
Entries 64
Mean −17.71
Std Dev 0

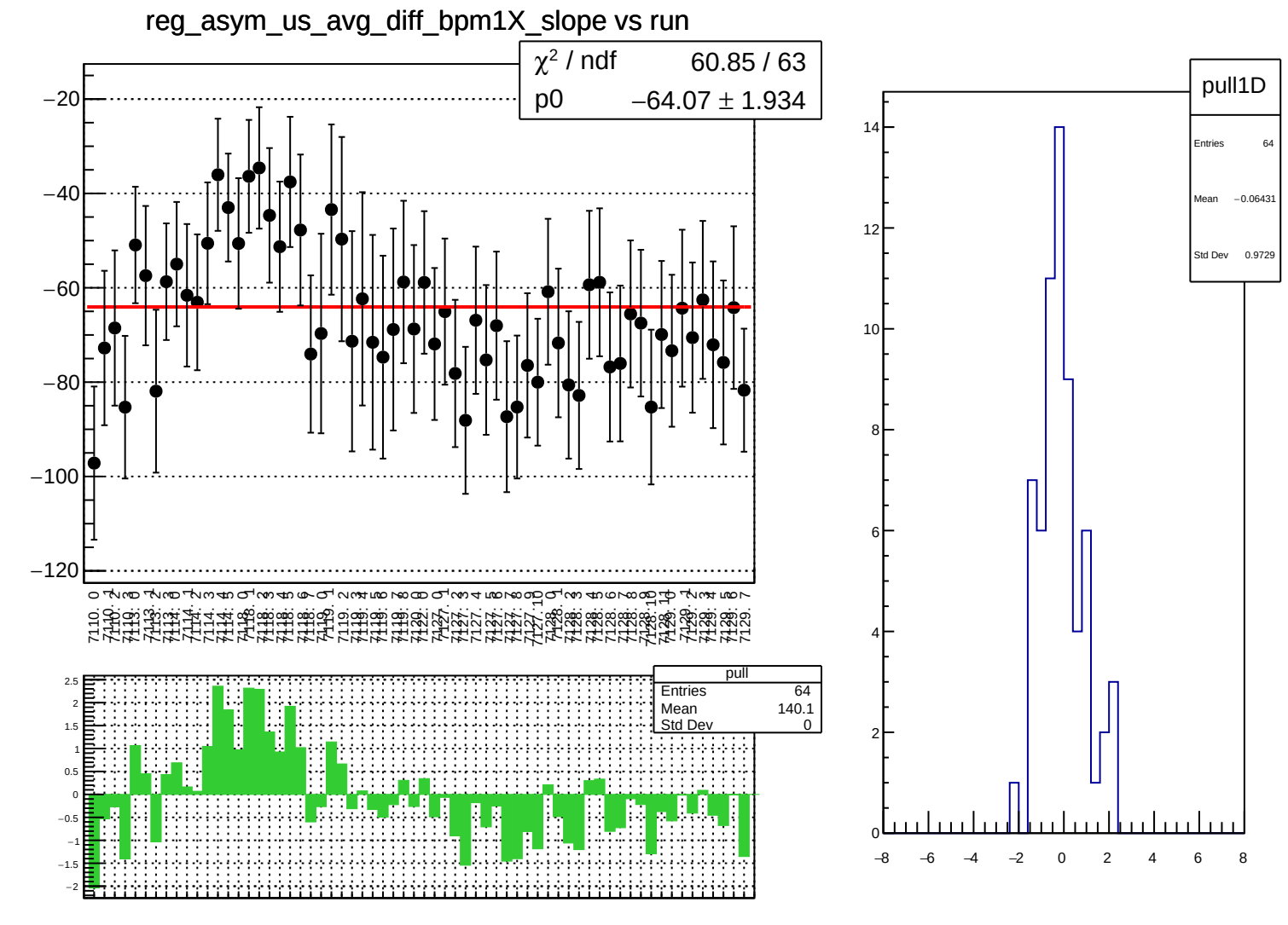

pull1D
Entries 64
Mean 0.02466
Std Dev 0.9904

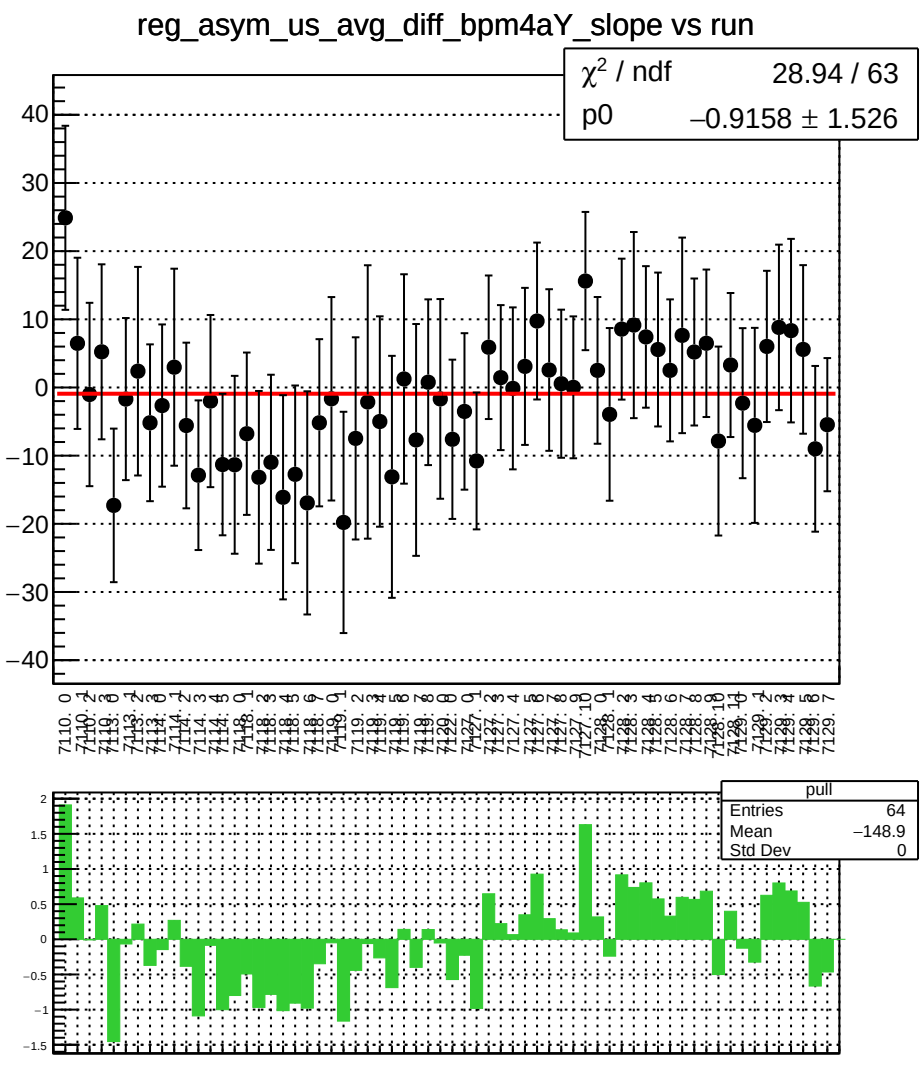

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 54.07 / 63
p0 0.3821 ± 0.3586
pull
Entries 64
Mean 88.08
Std Dev 0

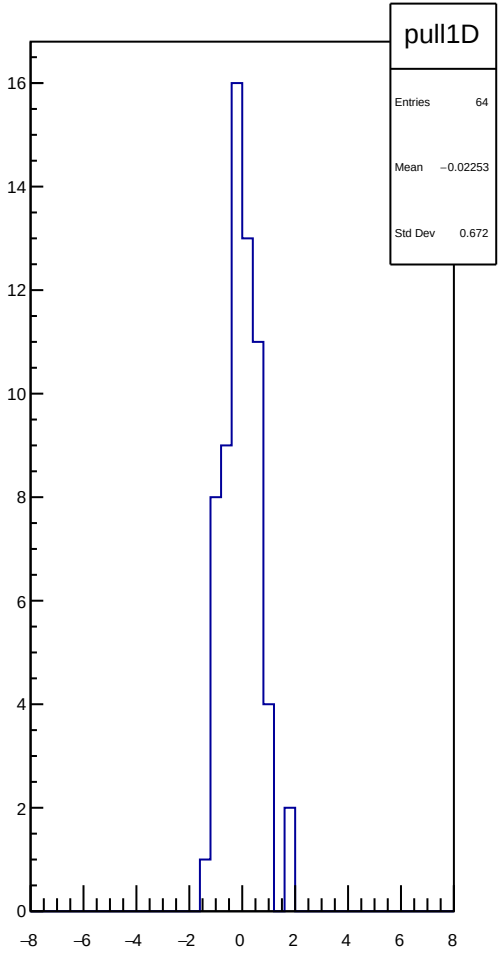

pull1D
Entries 64
Mean −0.01901
Std Dev 0.9189

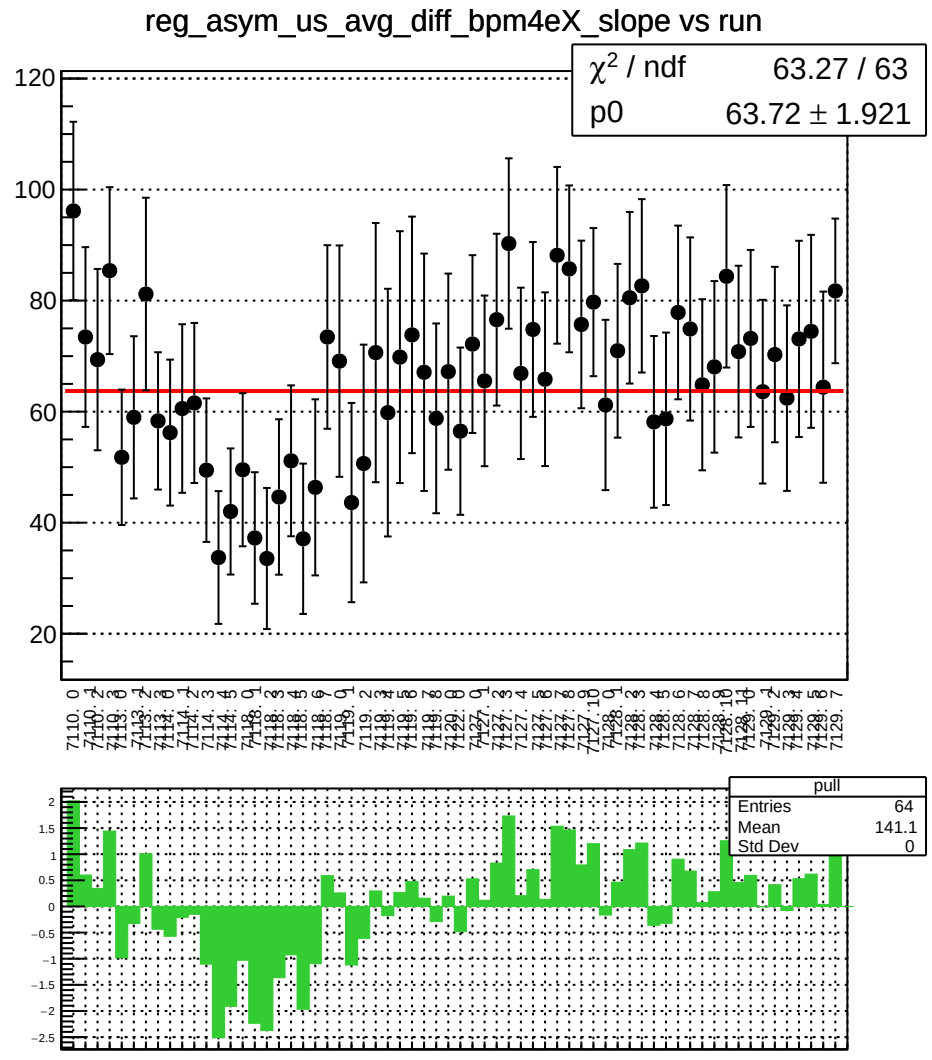

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 62.43 / 63
p0 0.007739 ± 0.01591
0.4
0.2
0
−0.2
−0.4
pull
Entries 64
Mean 74.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

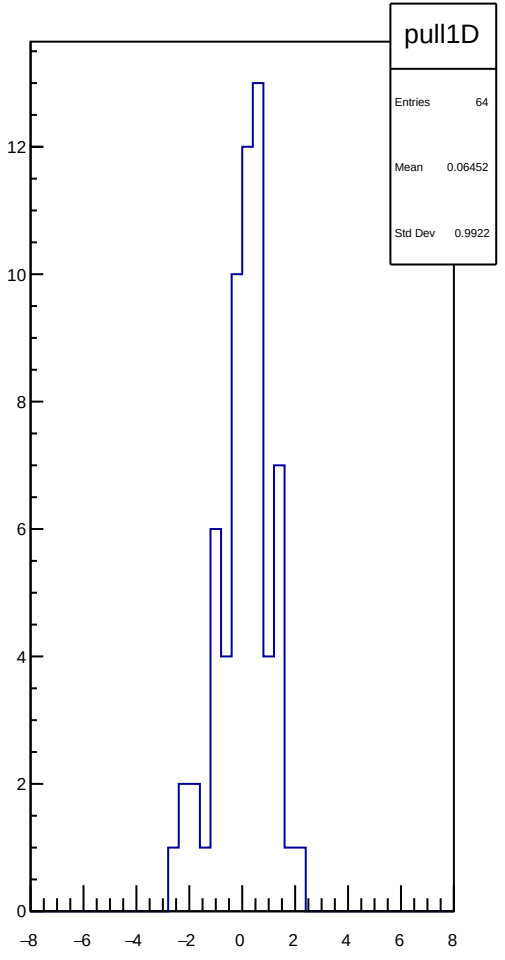

pull1D
Entries 64
Mean −0.01746
Std Dev 0.9875
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

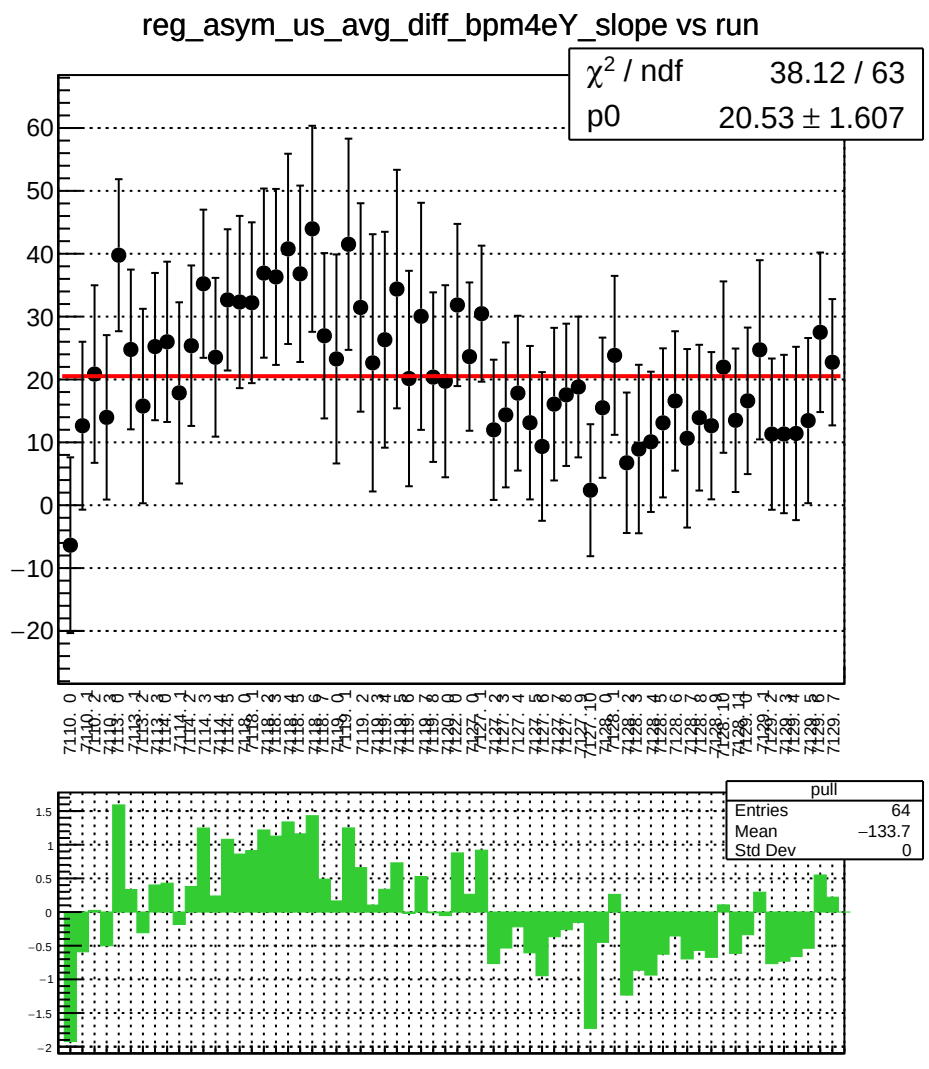

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 60.85 / 63
p0 −64.07 ± 1.934
pull
Entries 64
Mean 140.1
Std Dev 0
pull1D
Entries 64
Mean −0.06431
Std Dev 0.9729

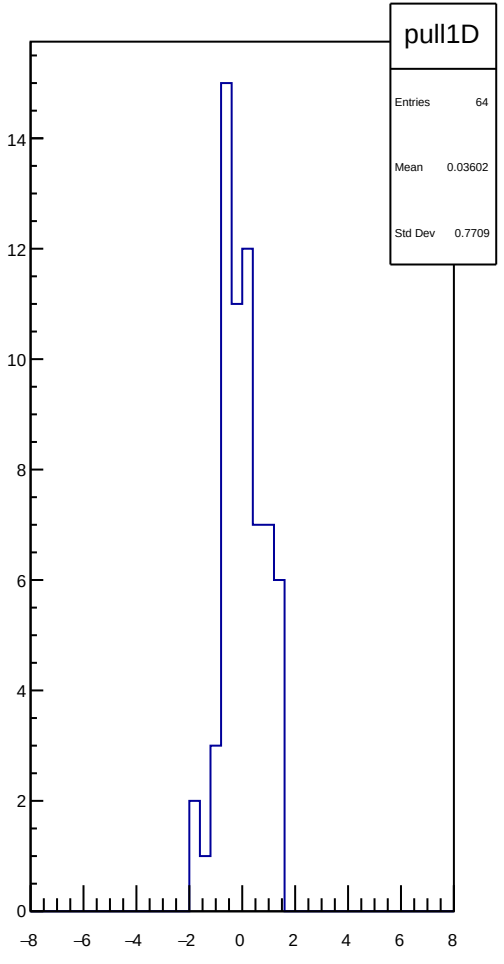

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.94 / 63
p0 −0.9158 ± 1.526
pull
Entries 64
Mean −148.9
Std Dev 0

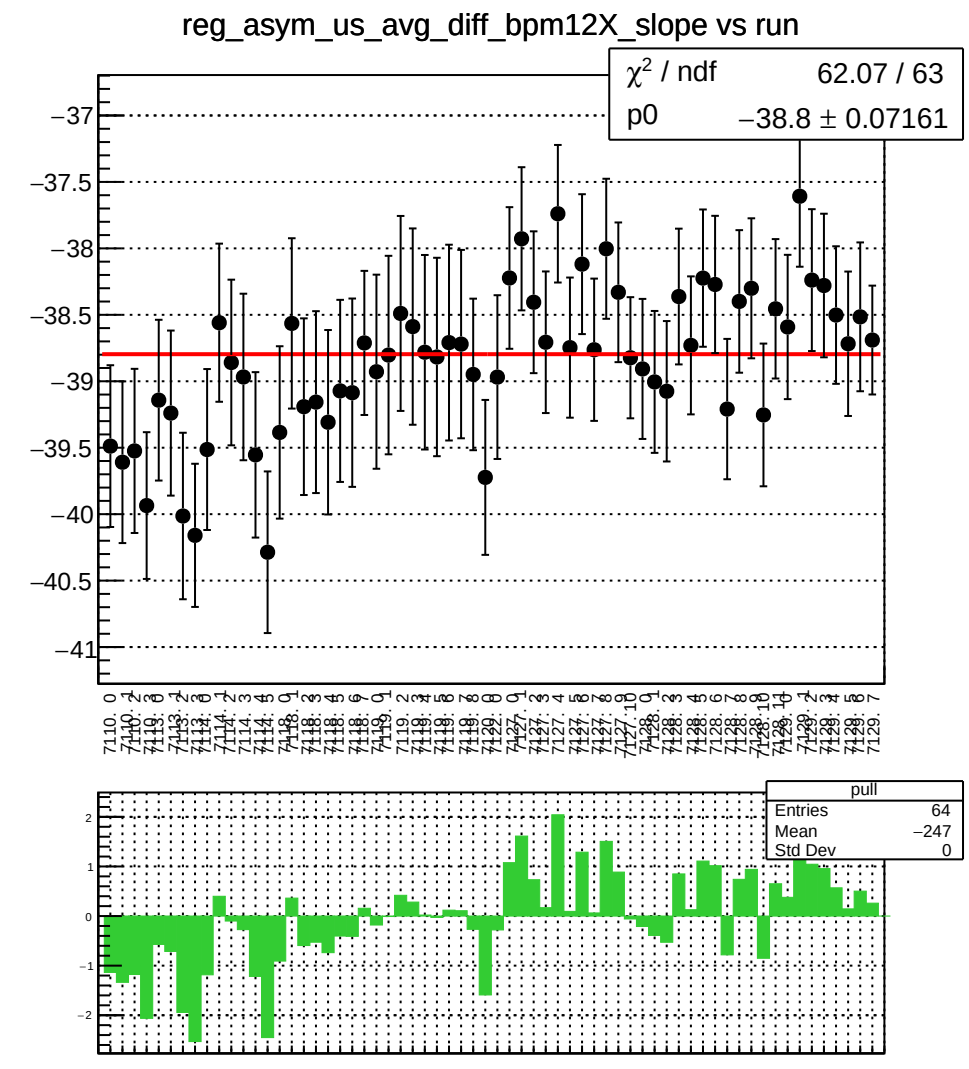

pull1D
Entries 64
Mean −0.02253
Std Dev 0.672

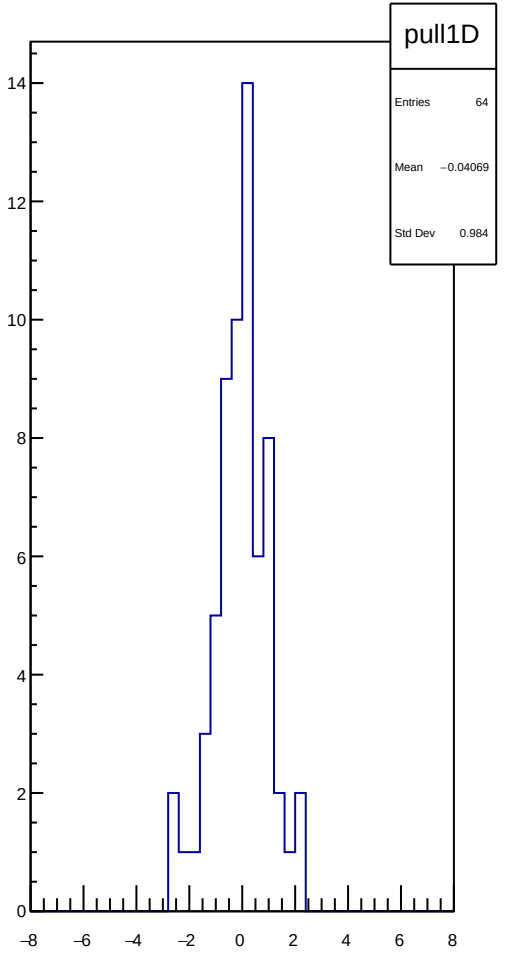

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.27 / 63
p0 63.72 ± 1.921
pull
Entries 64
Mean 141.1
Std Dev 0

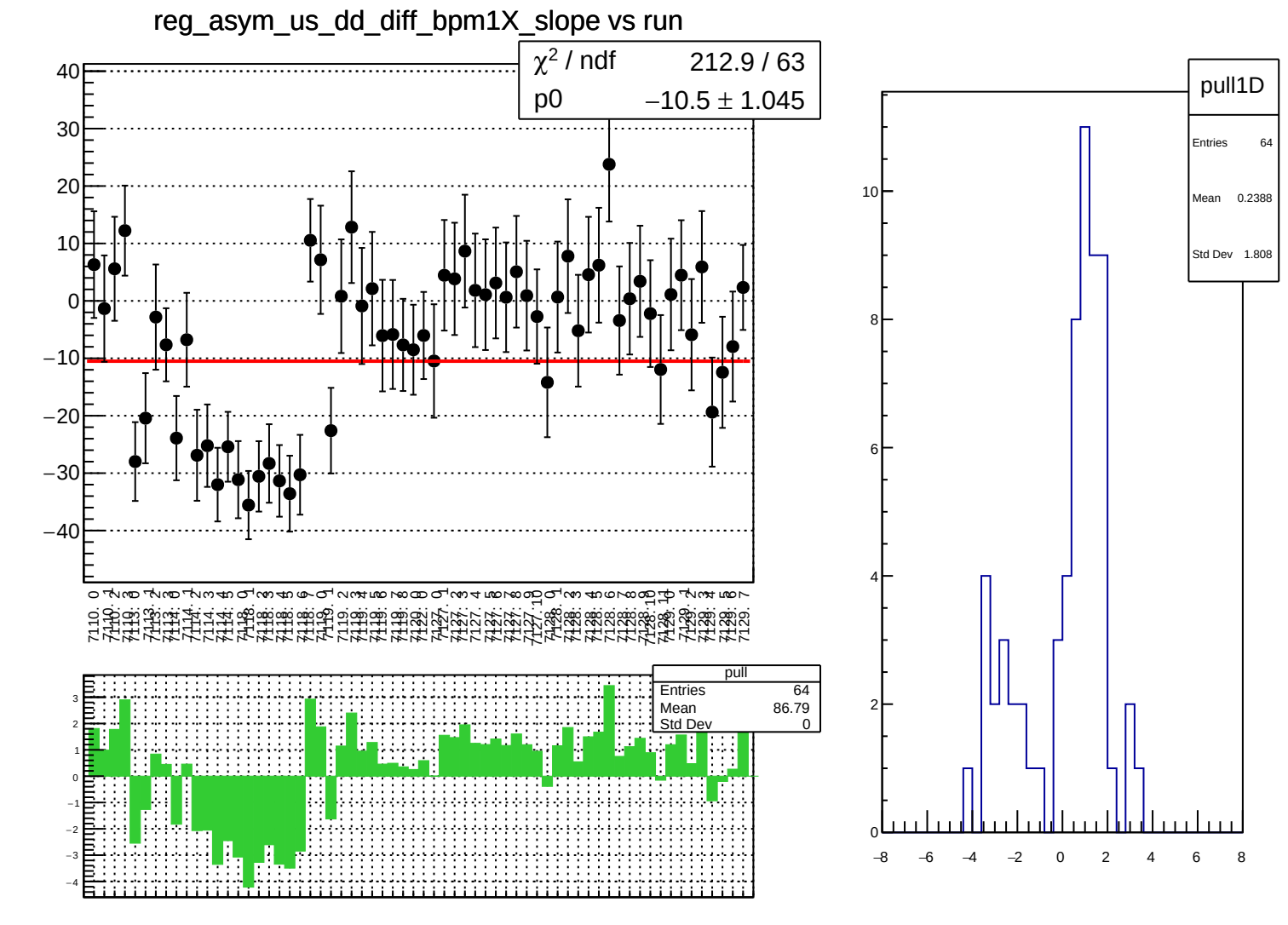

pull1D
Entries 64
Mean 0.06452
Std Dev 0.9922

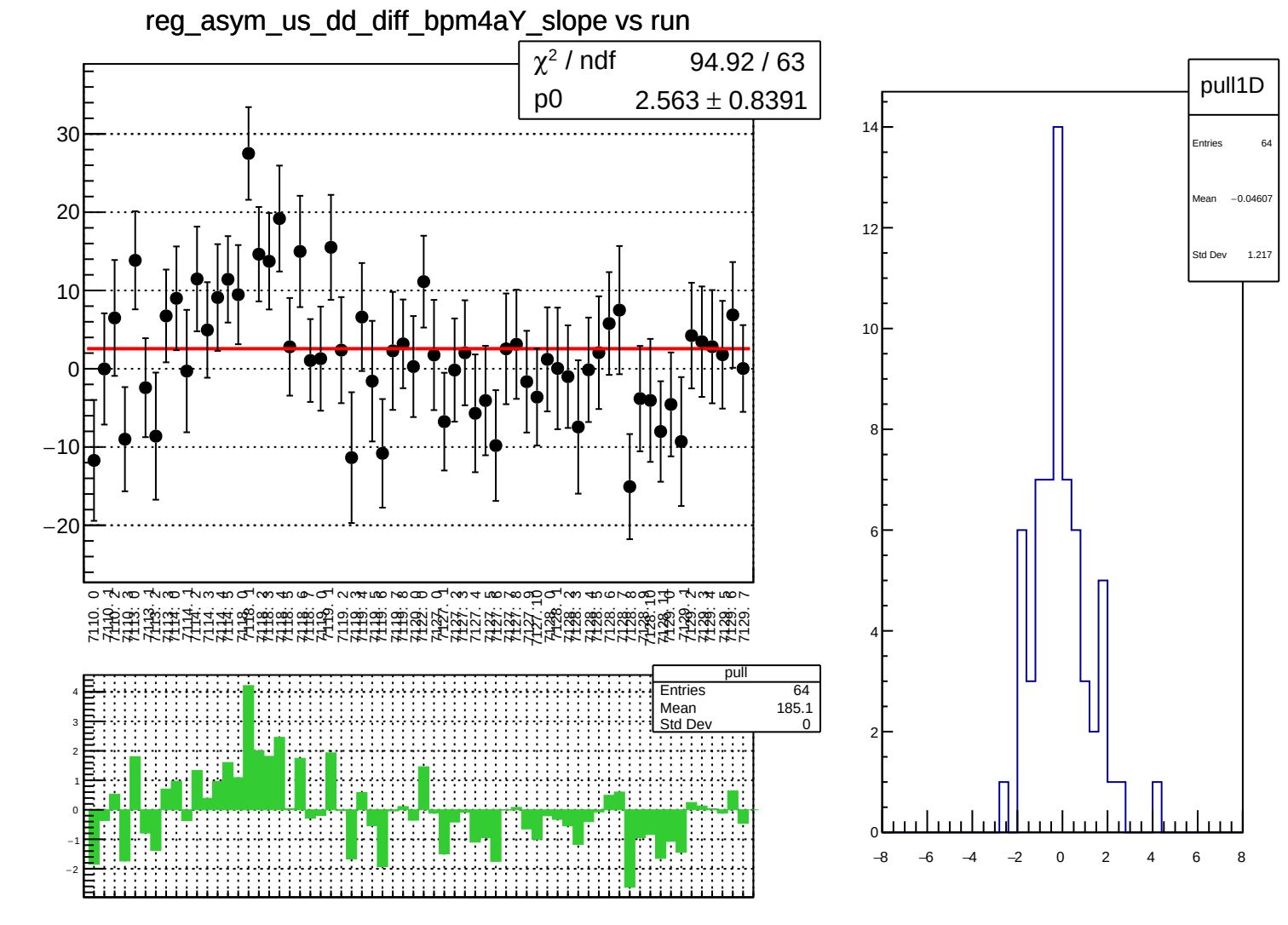

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.12 / 63
p0 20.53 ± 1.607
pull
Entries 64
Mean −133.7
Std Dev 0

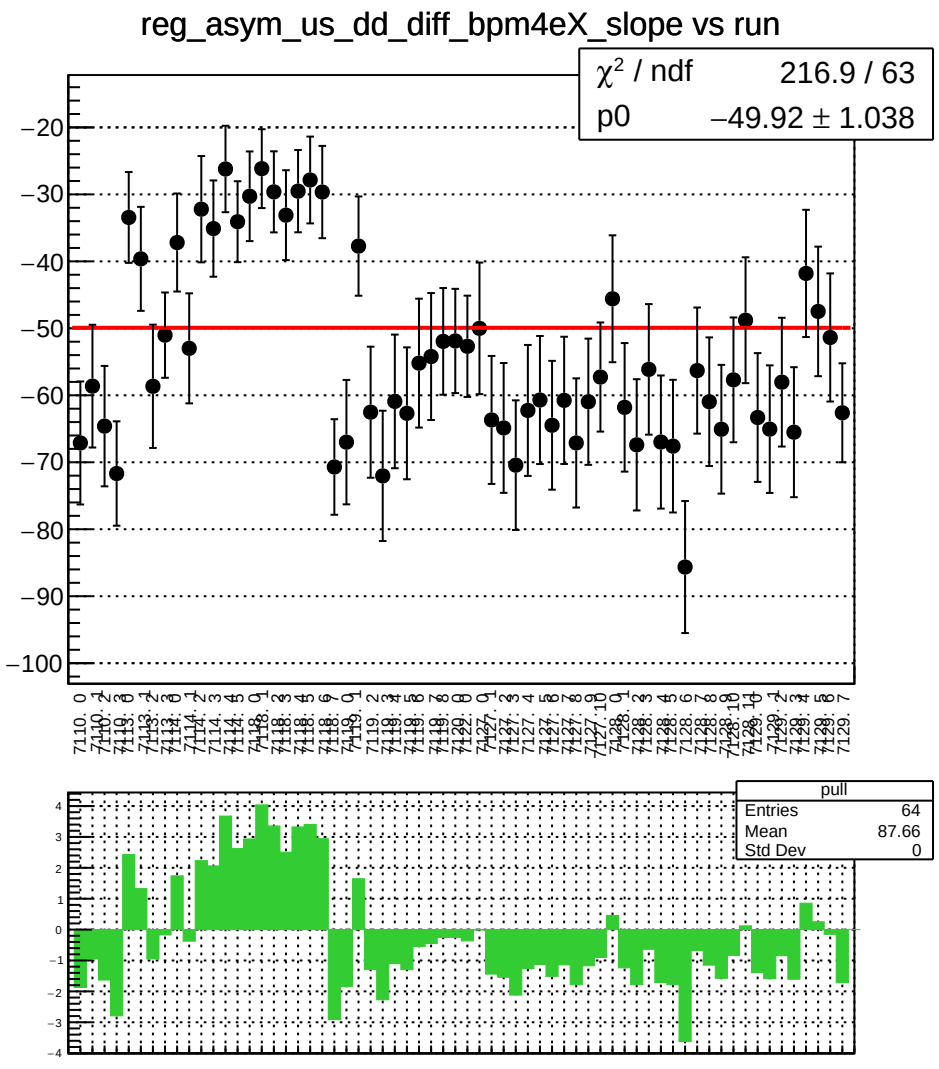

pull1D
Entries 64
Mean 0.03602
Std Dev 0.7709

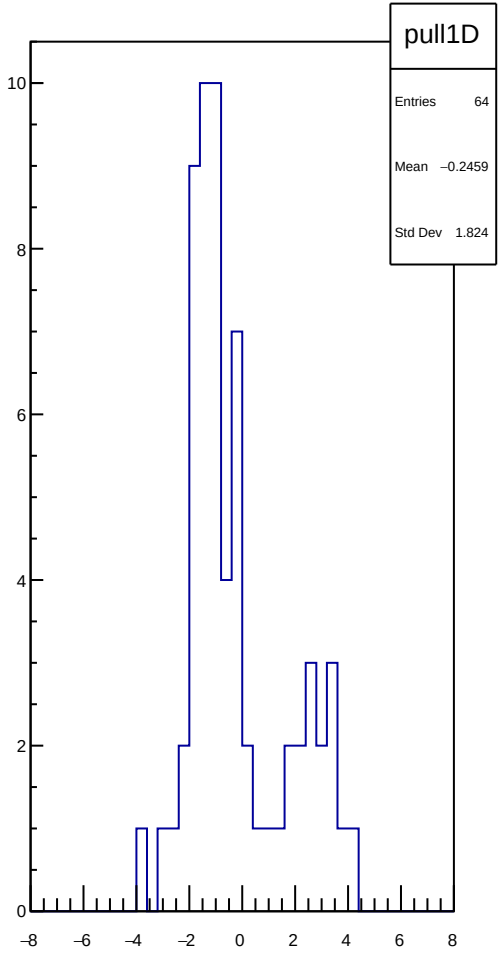

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 62.07 / 63
p0 −38.8 ± 0.07161
pull
Entries 64
Mean −247
Std Dev 0

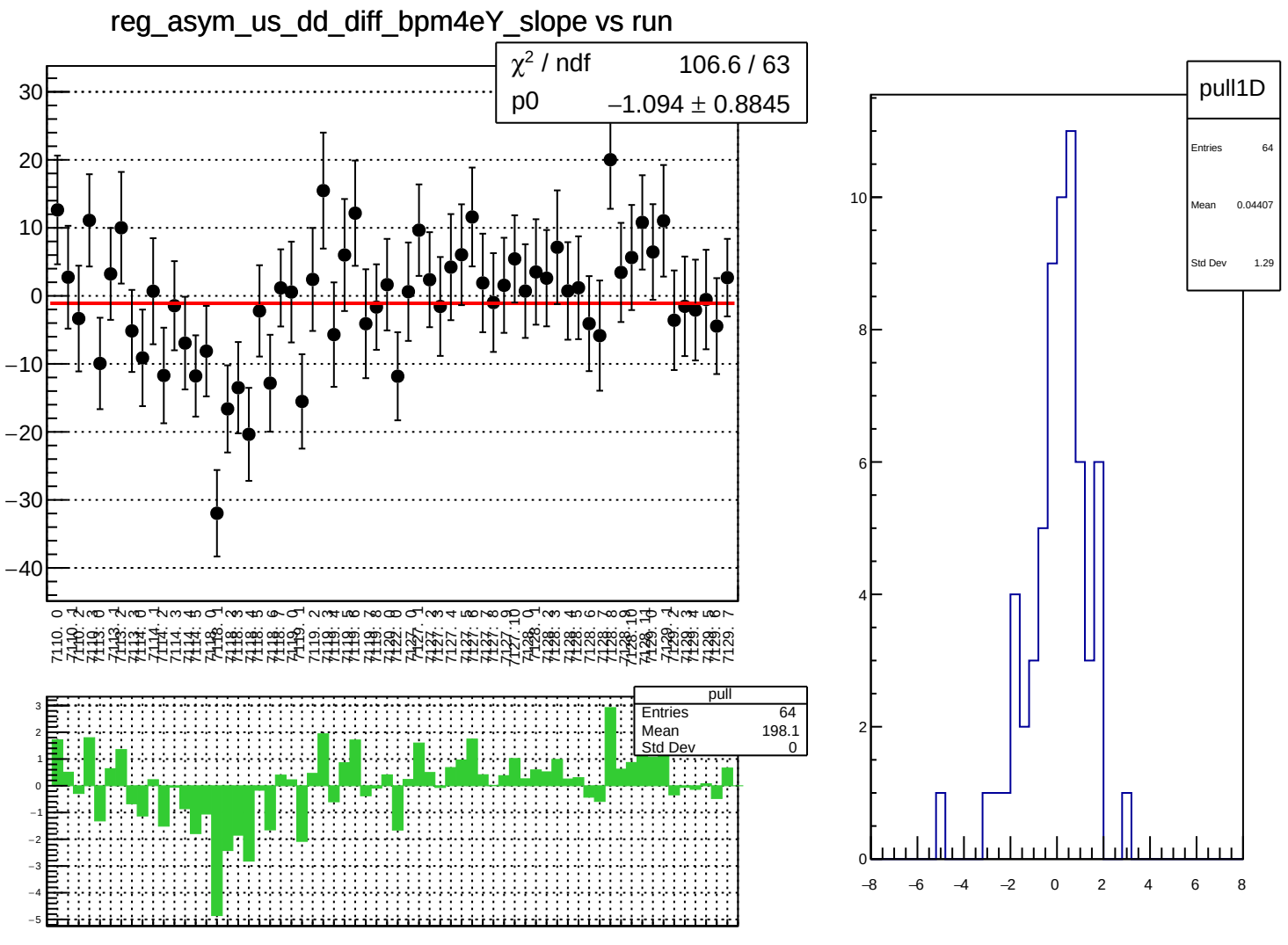

pull1D
Entries 64
Mean −0.04069
Std Dev 0.984

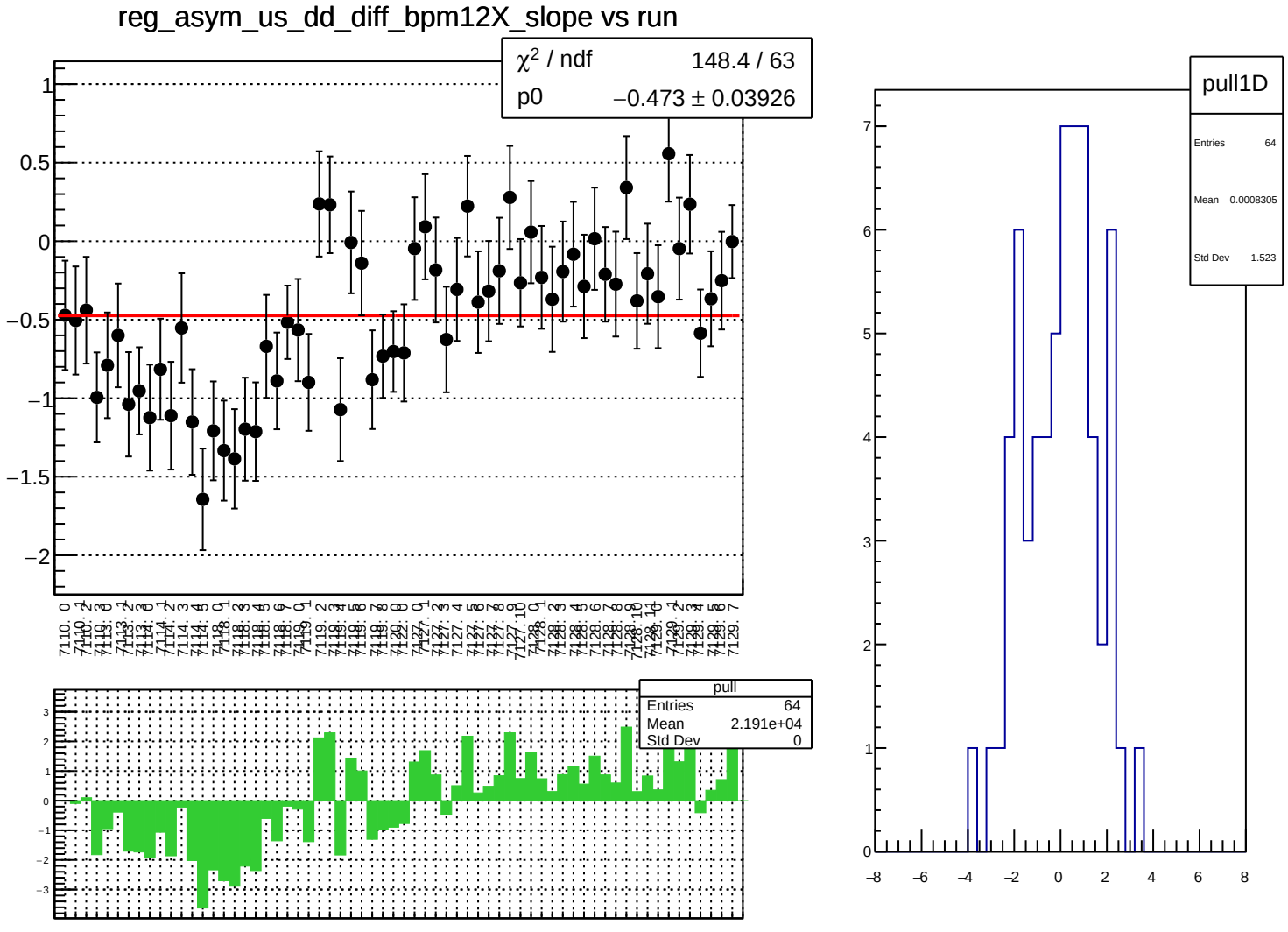

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 212.9 / 63
p0 −10.5 ± 1.045
pull
Entries 64
Mean 86.79
Std Dev 0
pull1D
Entries 64
Mean 0.2388
Std Dev 1.808

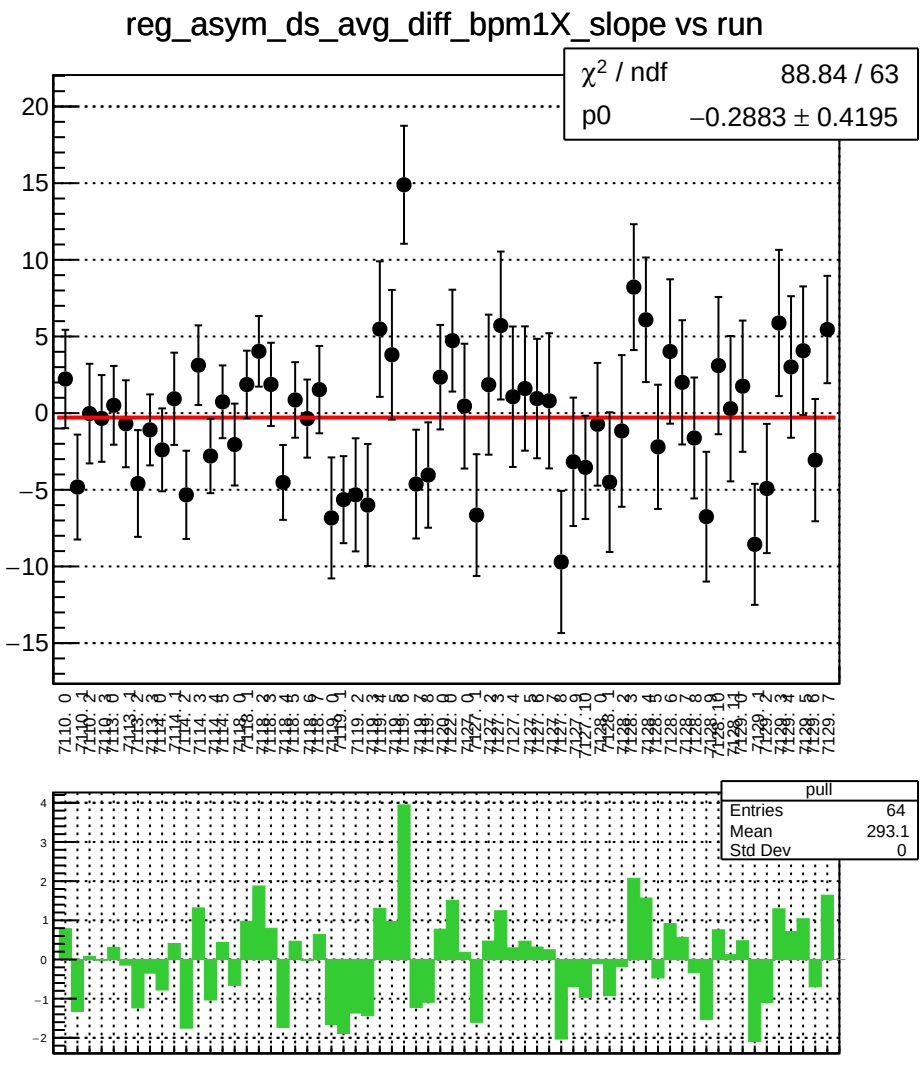

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 94.92 / 63
p0 2.563 ± 0.8391
pull
Entries 64
Mean 185.1
Std Dev 0
pull1D
Entries 64
Mean −0.04607
Std Dev 1.217

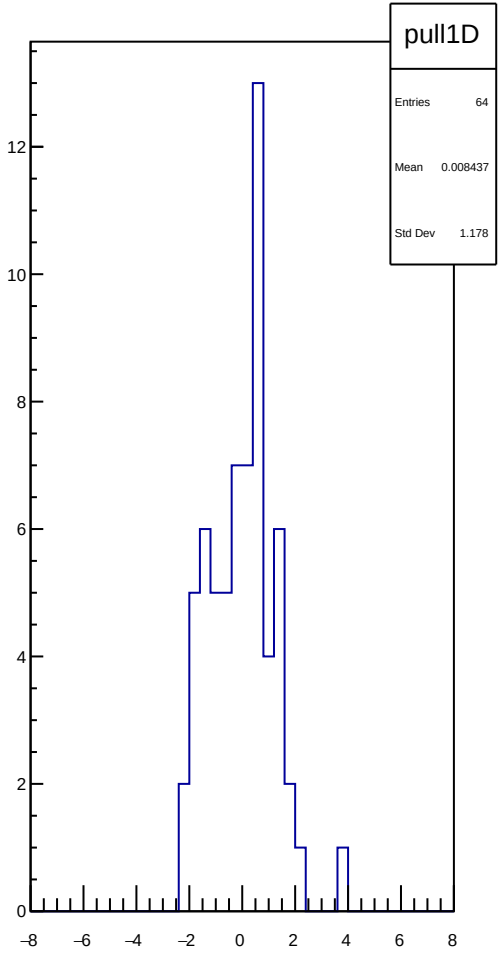

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 216.9 / 63
p0 −49.92 ± 1.038
pull
Entries 64
Mean 87.66
Std Dev 0

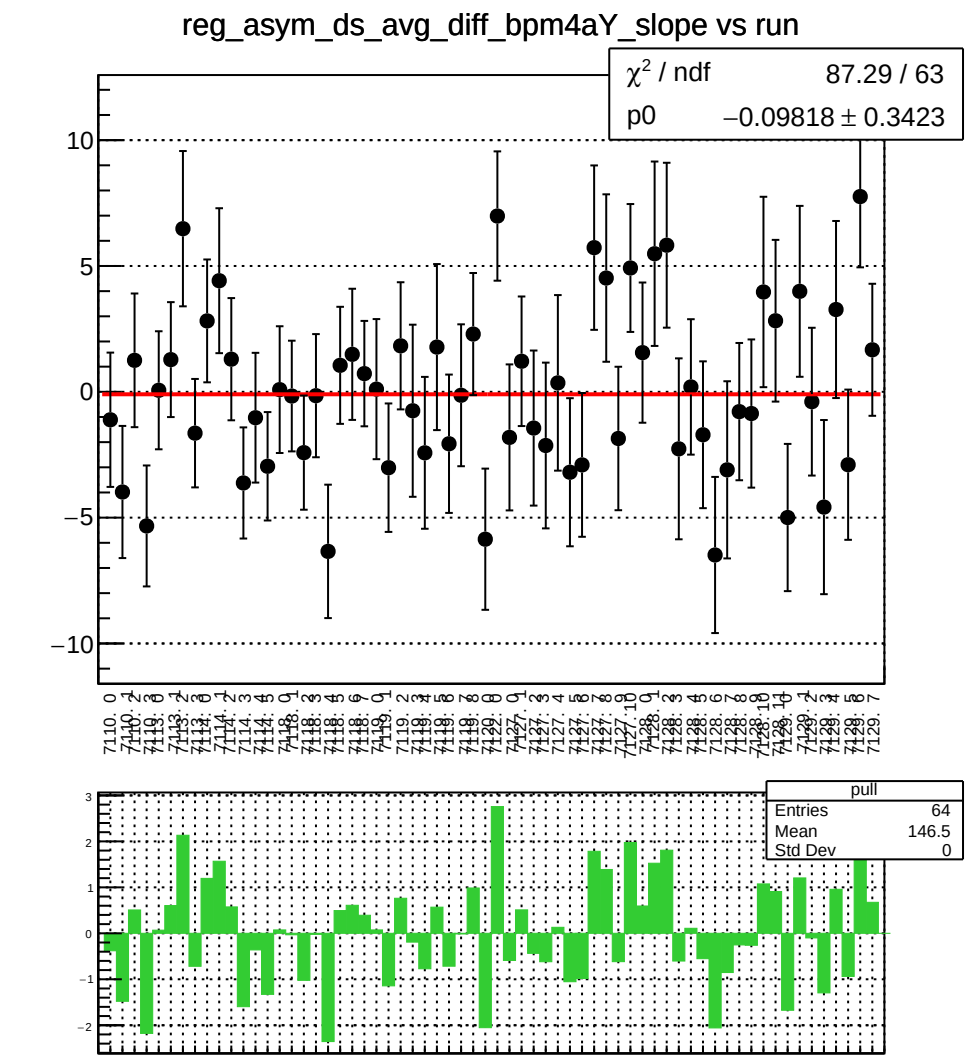

pull1D
Entries 64
Mean −0.2459
Std Dev 1.824

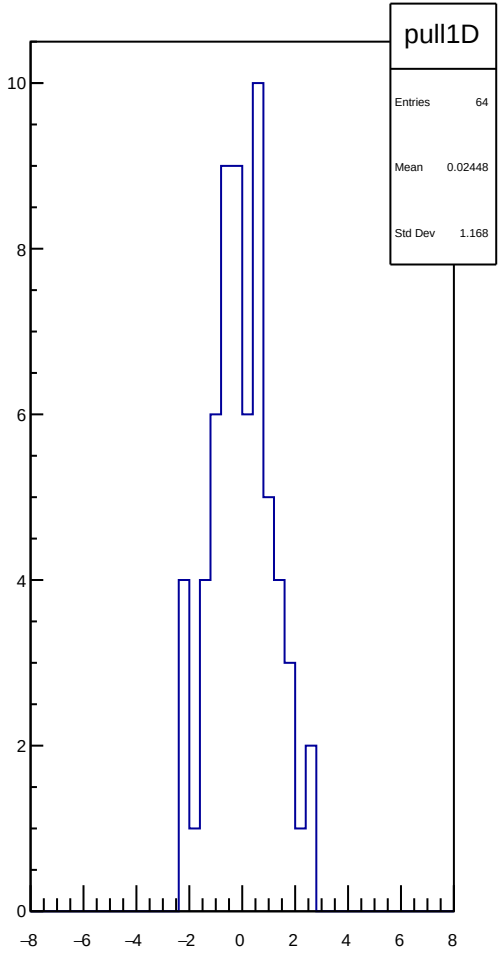

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 106.6 / 63
p0 −1.094 ± 0.8845
pull
Entries 64
Mean 198.1
Std Dev 0
pull1D
Entries 64
Mean 0.04407
Std Dev 1.29

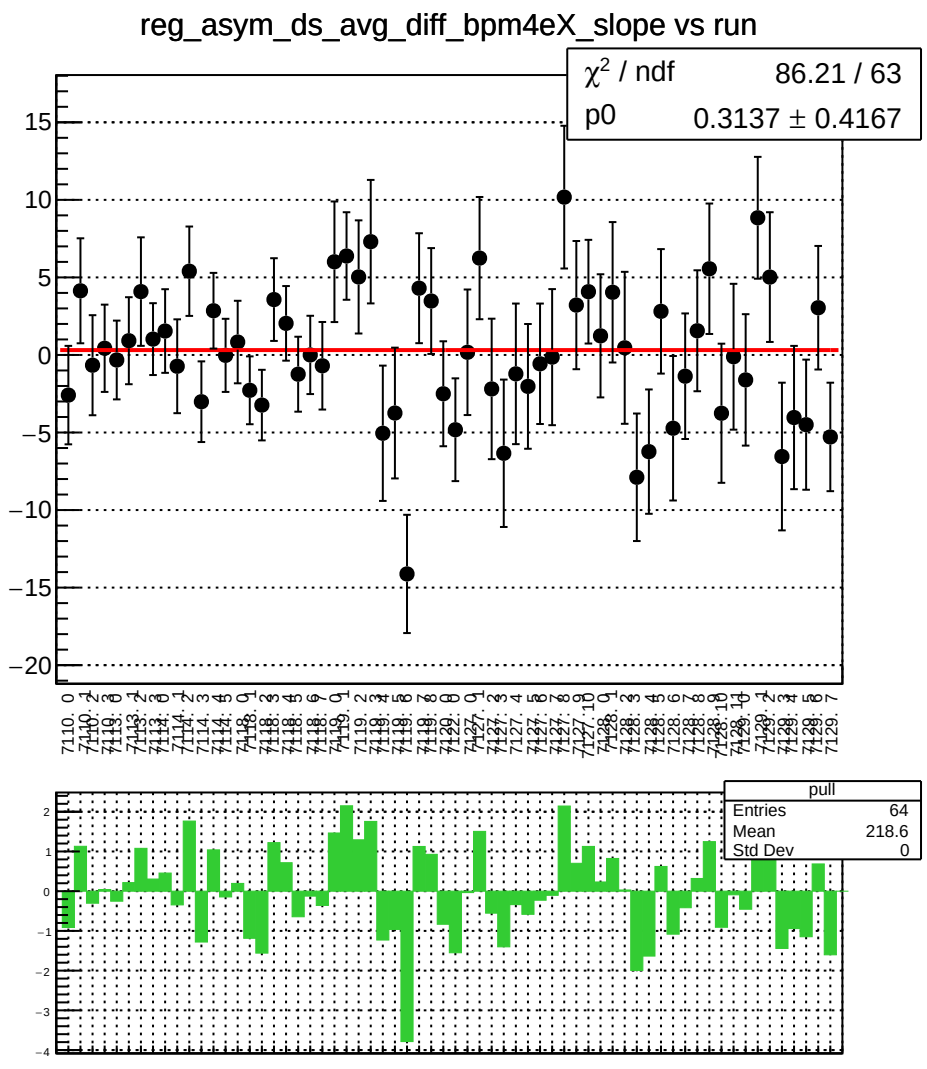

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 148.4 / 63
p0 −0.473 ± 0.03926
pull
Entries 64
Mean 2.191e+04
Std Dev 0
pull1D
Entries 64
Mean 0.0008305
Std Dev 1.523

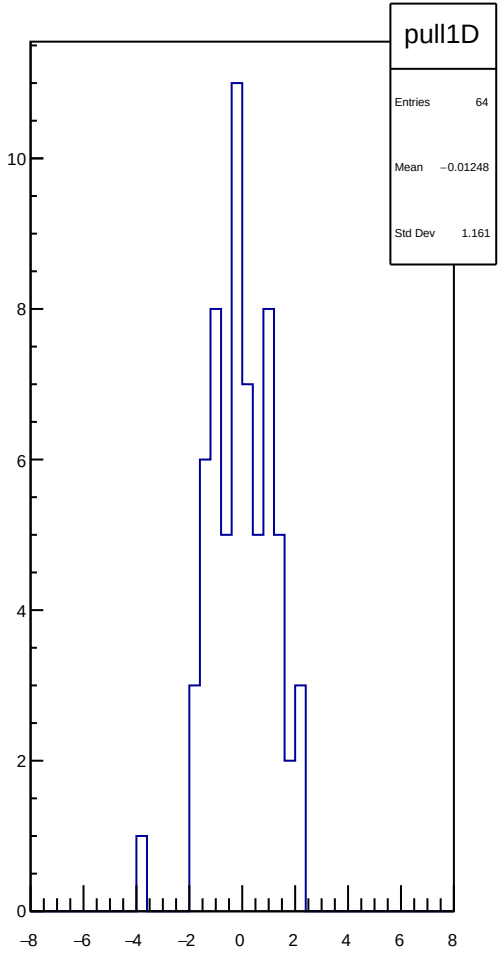

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 88.84 / 63
p0 −0.2883 ± 0.4195
pull
Entries 64
Mean 293.1
Std Dev 0

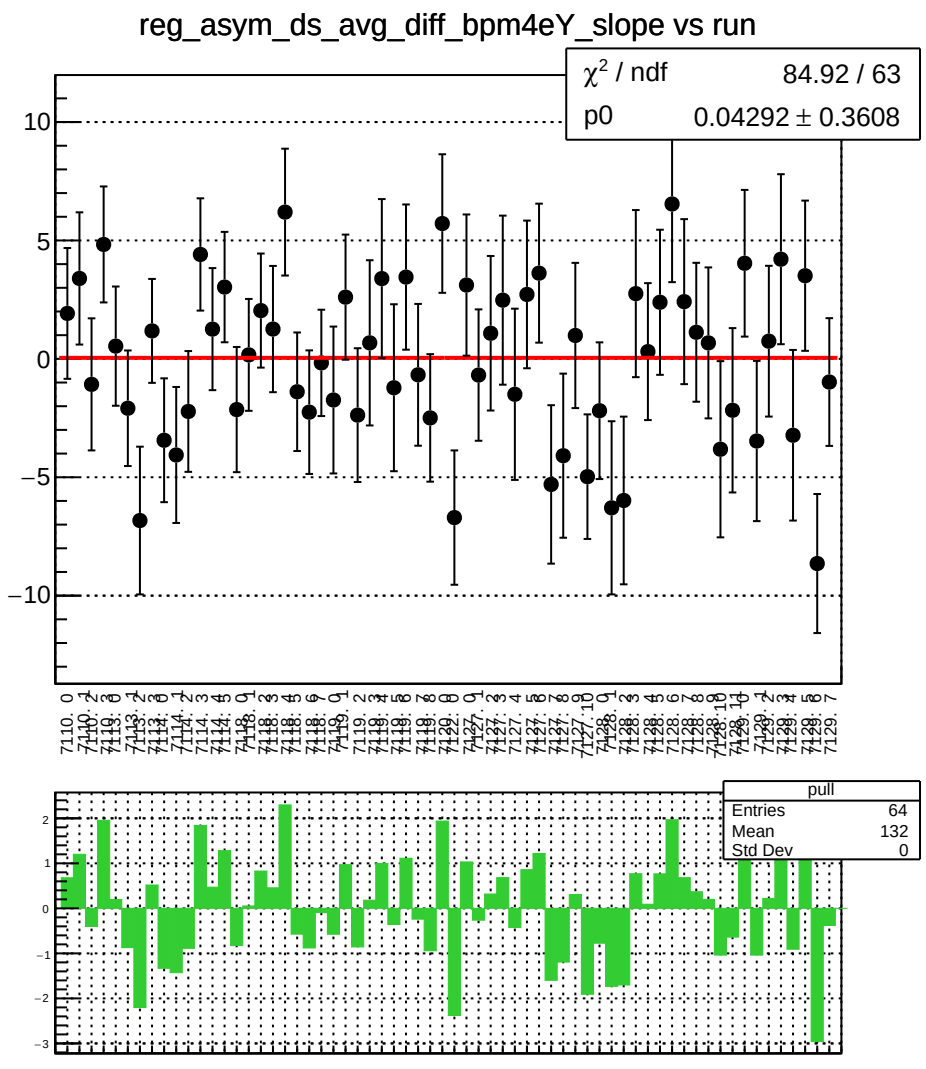

pull1D
Entries 64
Mean 0.008437
Std Dev 1.178

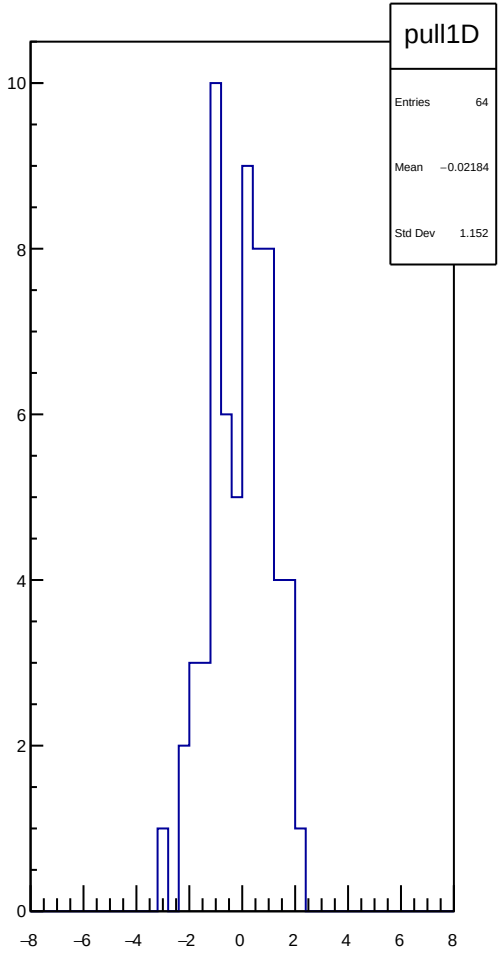

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.29 / 63
p0 −0.09818 ± 0.3423
pull
Entries 64
Mean 146.5
Std Dev 0

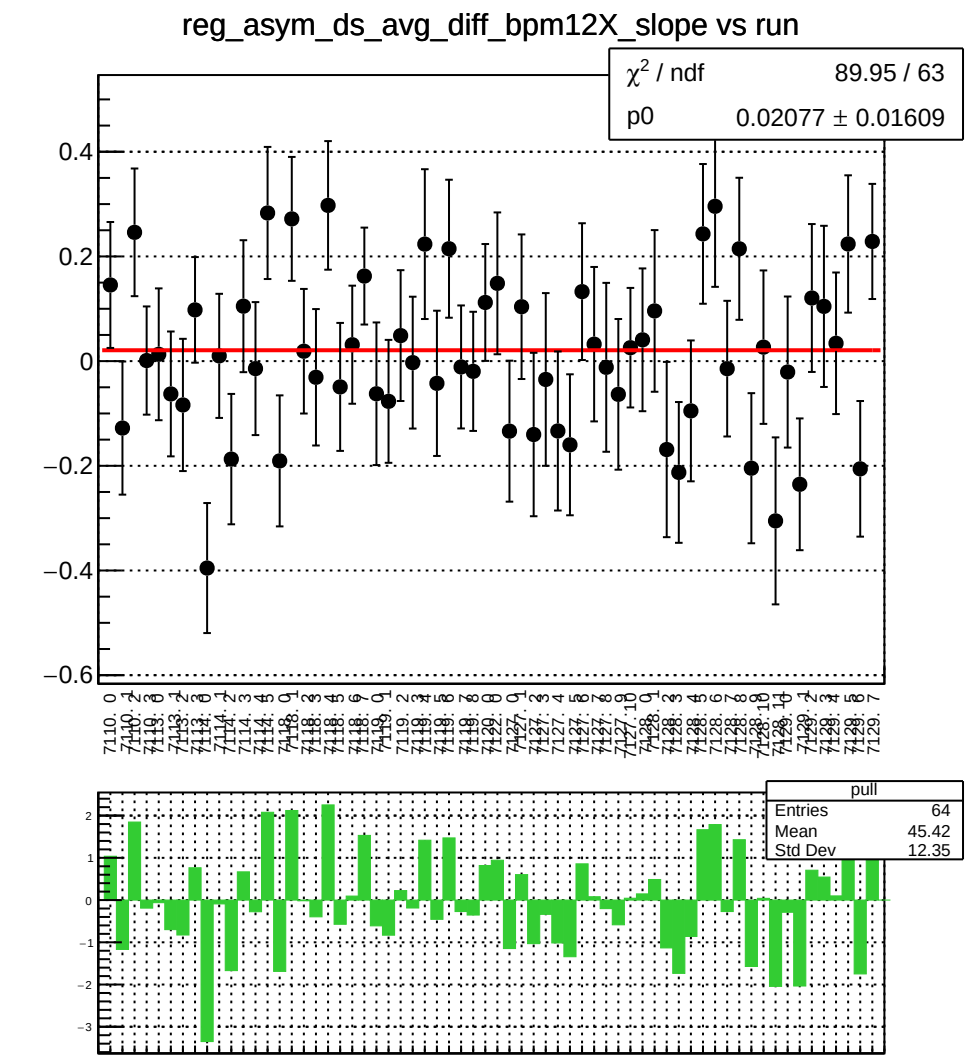

pull1D
Entries 64
Mean 0.02448
Std Dev 1.168

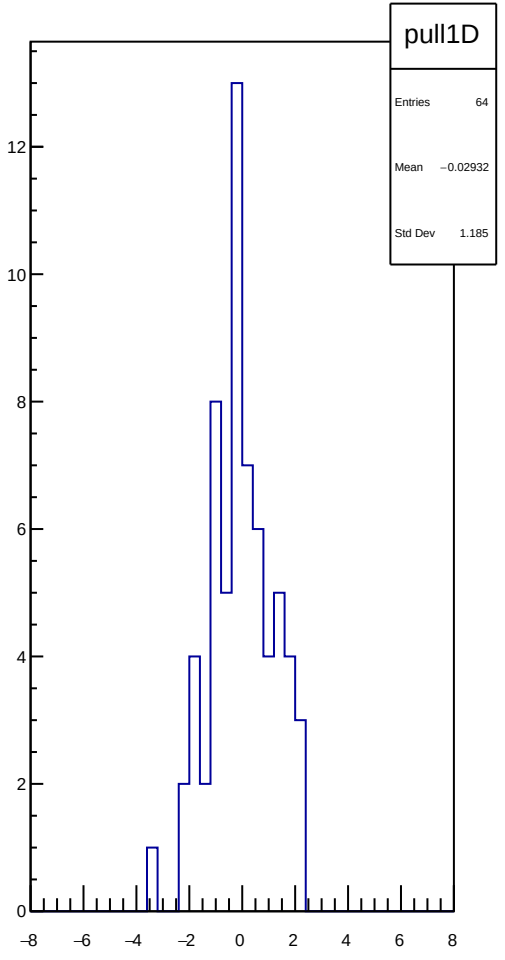

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.21 / 63
p0 0.3137 ± 0.4167
pull
Entries 64
Mean 218.6
Std Dev 0

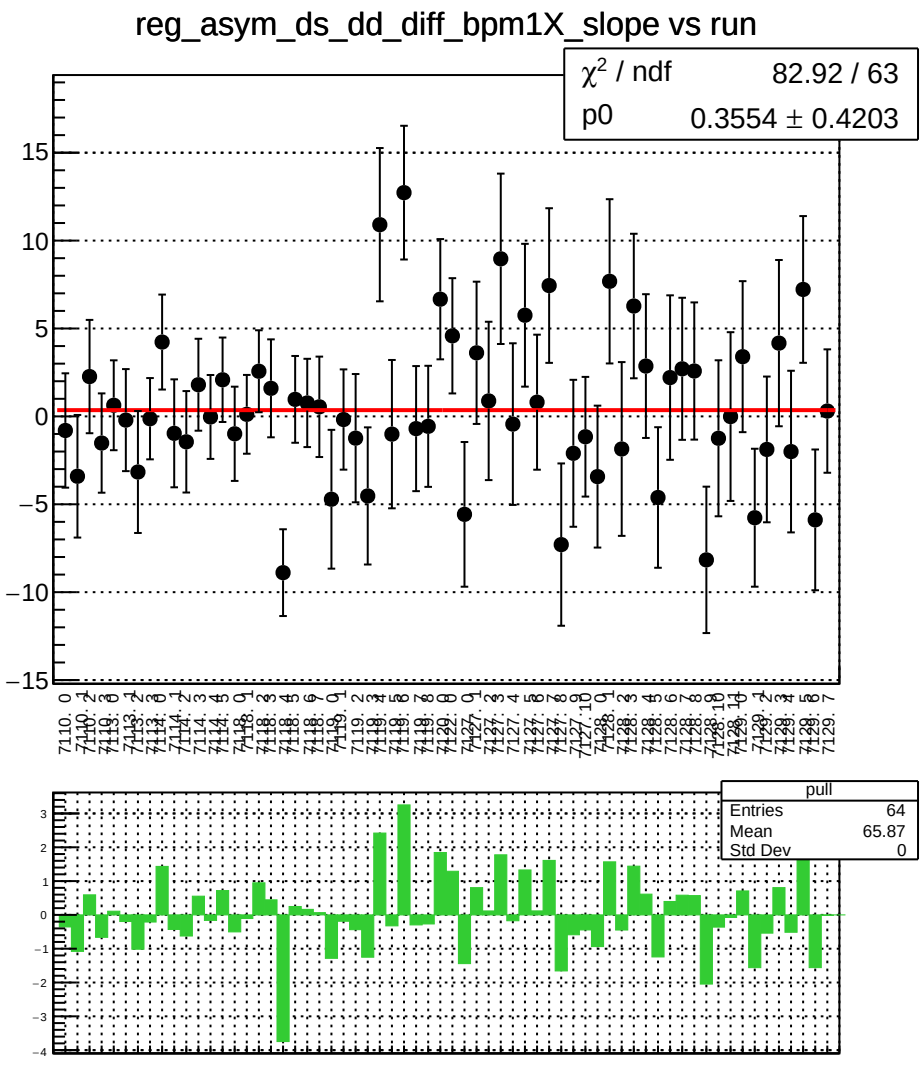

pull1D
Entries 64
Mean −0.01248
Std Dev 1.161

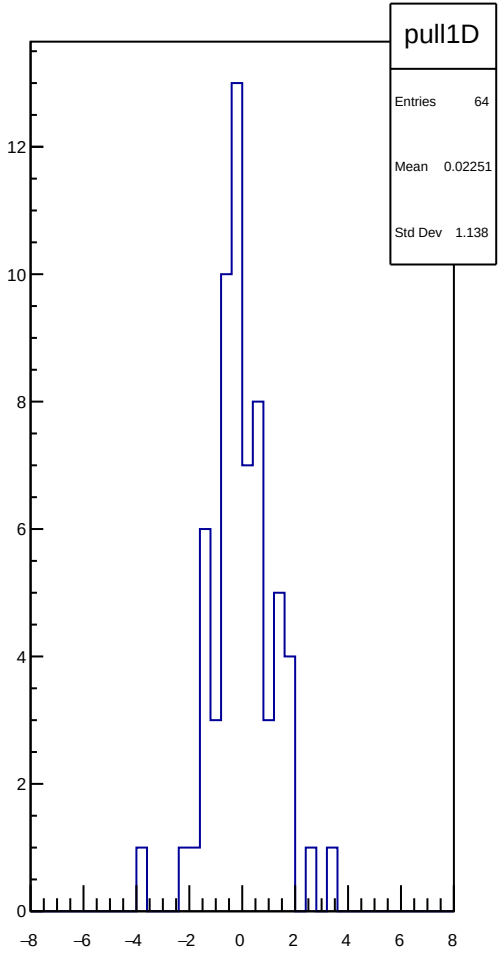

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 84.92 / 63
p0 0.04292 ± 0.3608
pull
Entries 64
Mean 132
Std Dev 0

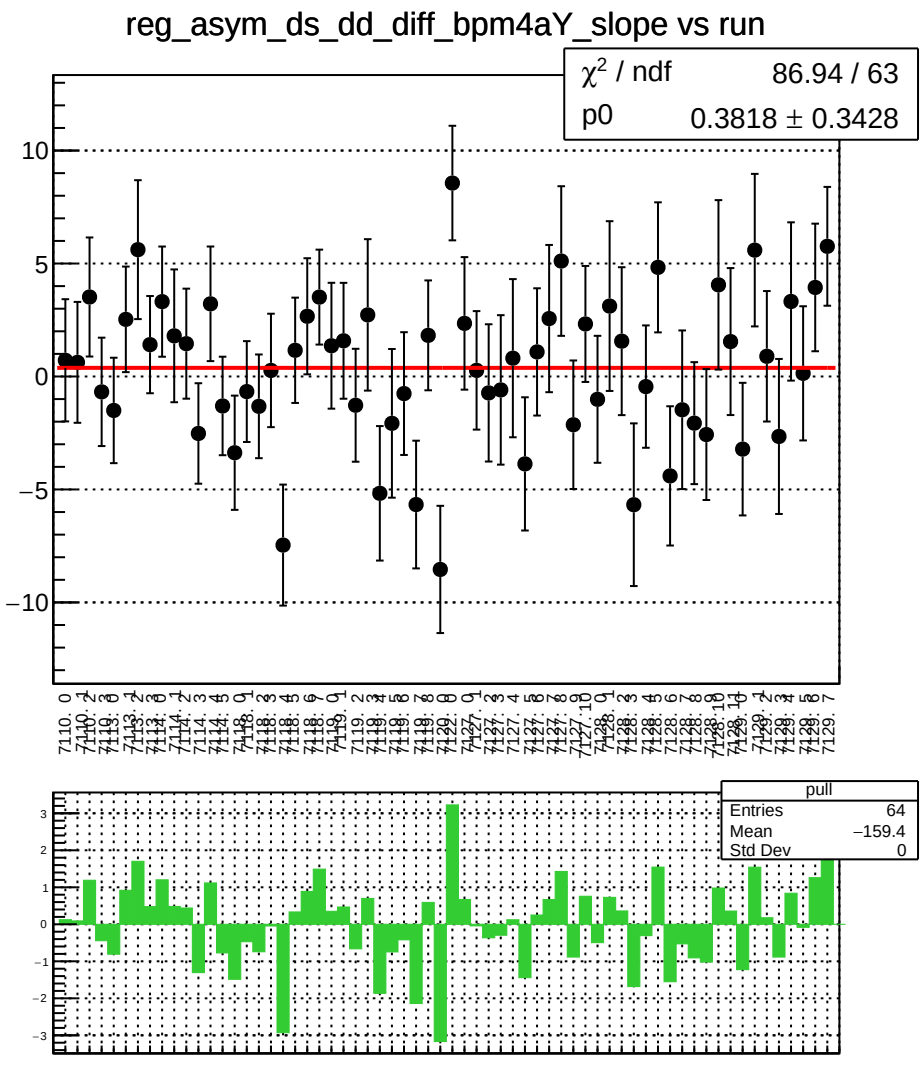

pull1D
Entries 64
Mean −0.02184
Std Dev 1.152

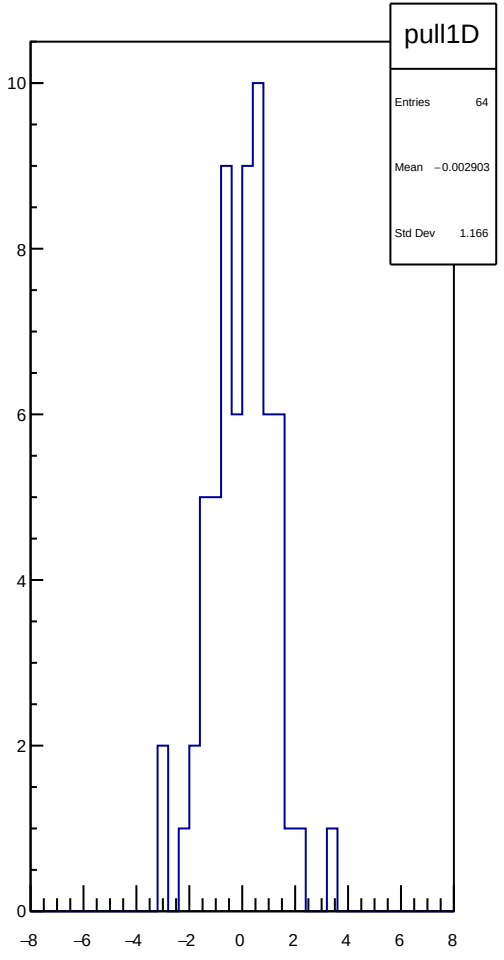

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 89.95 / 63
p0 0.02077 ± 0.01609
pull
Entries 64
Mean 45.42
Std Dev 12.35

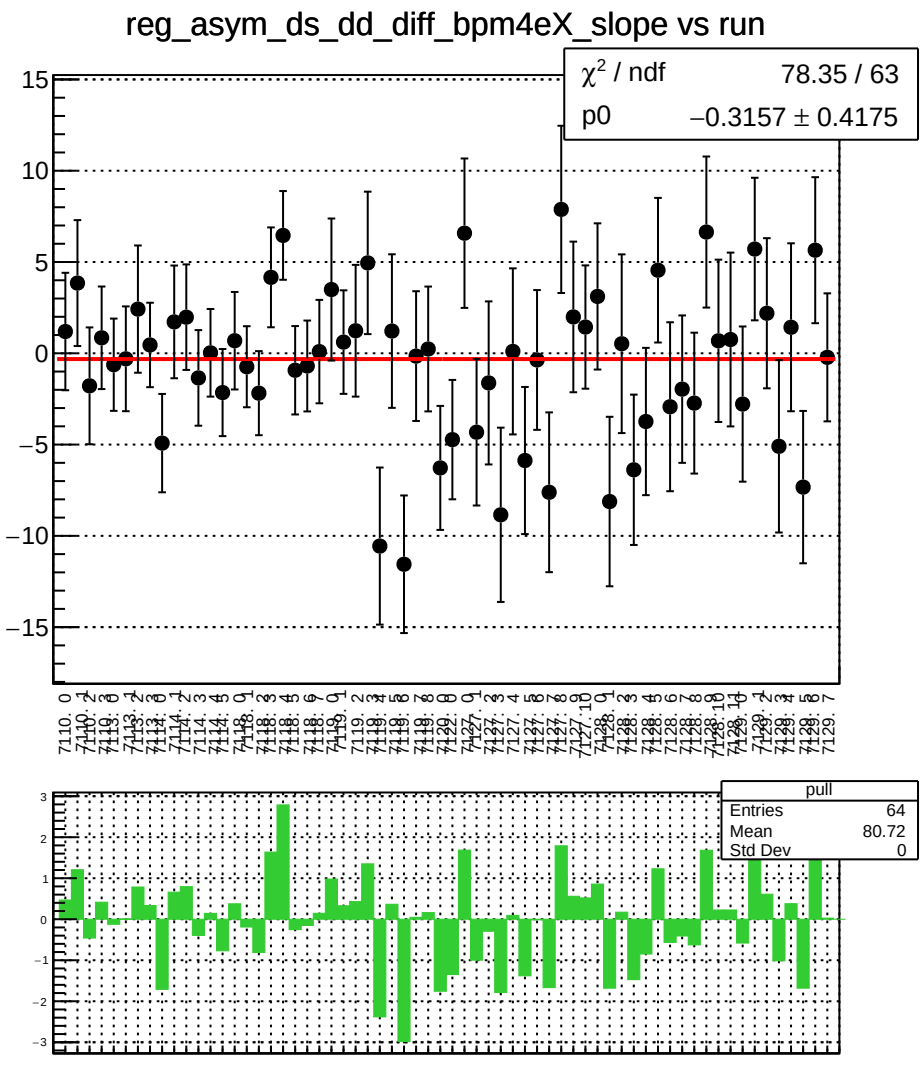

pull1D
Entries 64
Mean −0.02932
Std Dev 1.185

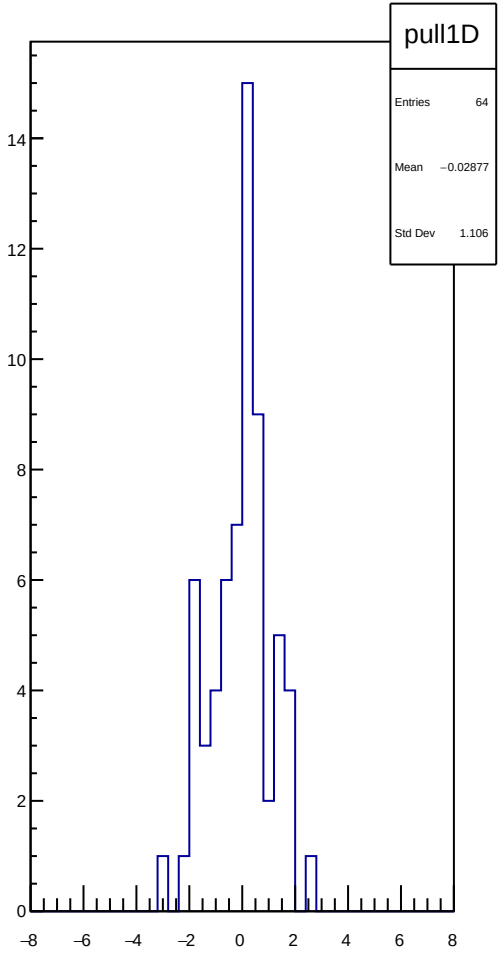

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 82.92 / 63
p0 0.3554 ± 0.4203
pull
Entries 64
Mean 65.87
Std Dev 0

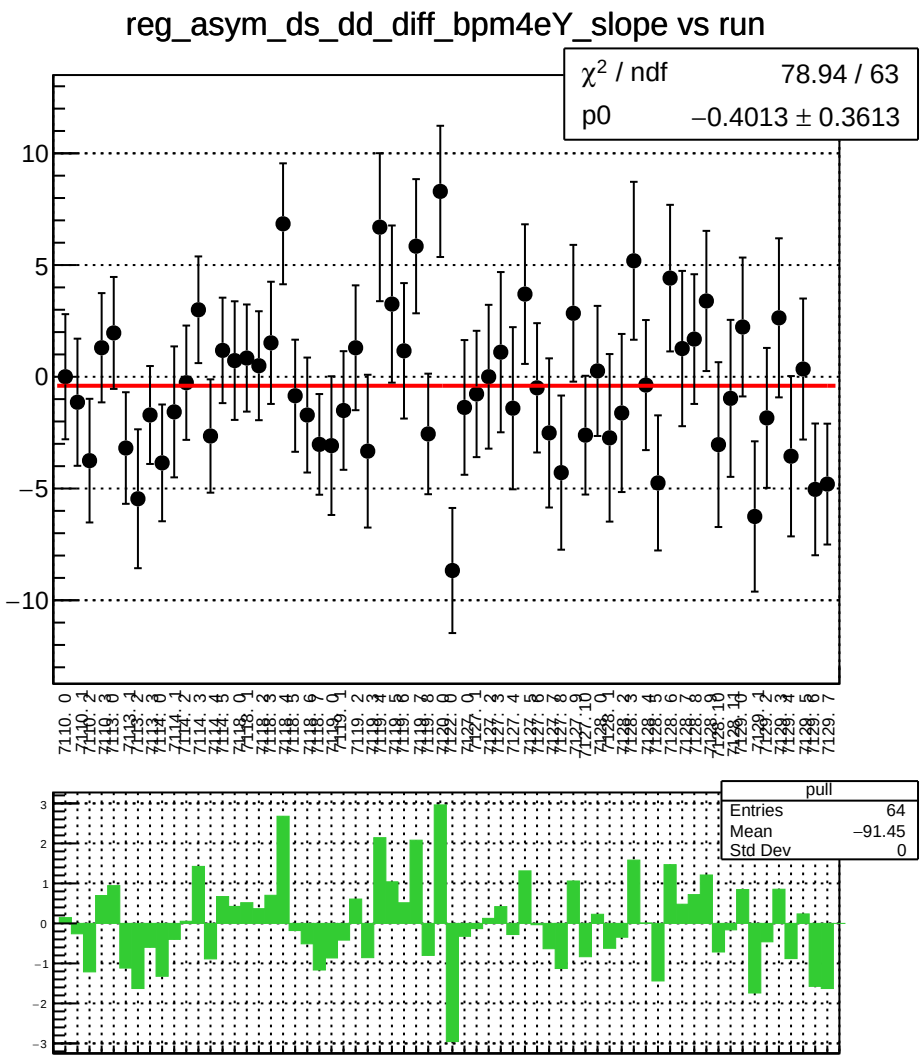

pull1D
Entries 64
Mean 0.02251
Std Dev 1.138

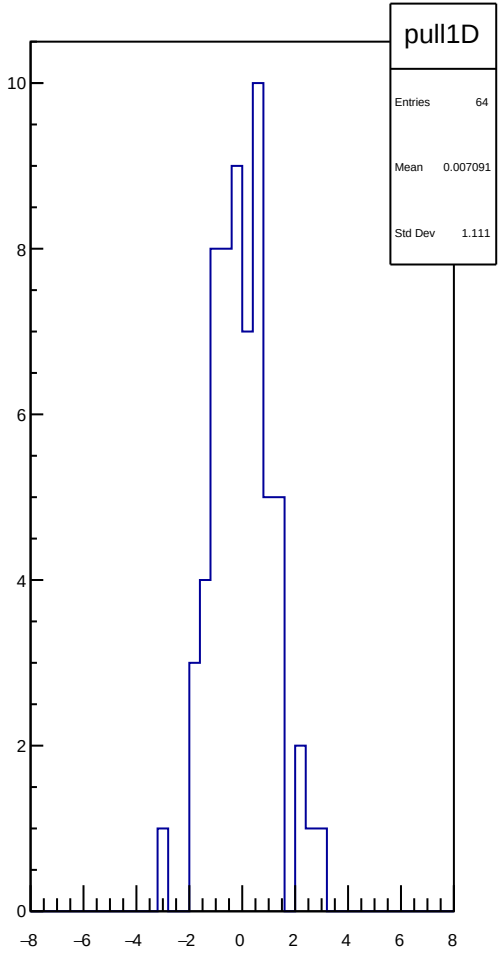

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.94 / 63
p0 0.3818 ± 0.3428
pull
Entries 64
Mean −159.4
Std Dev 0

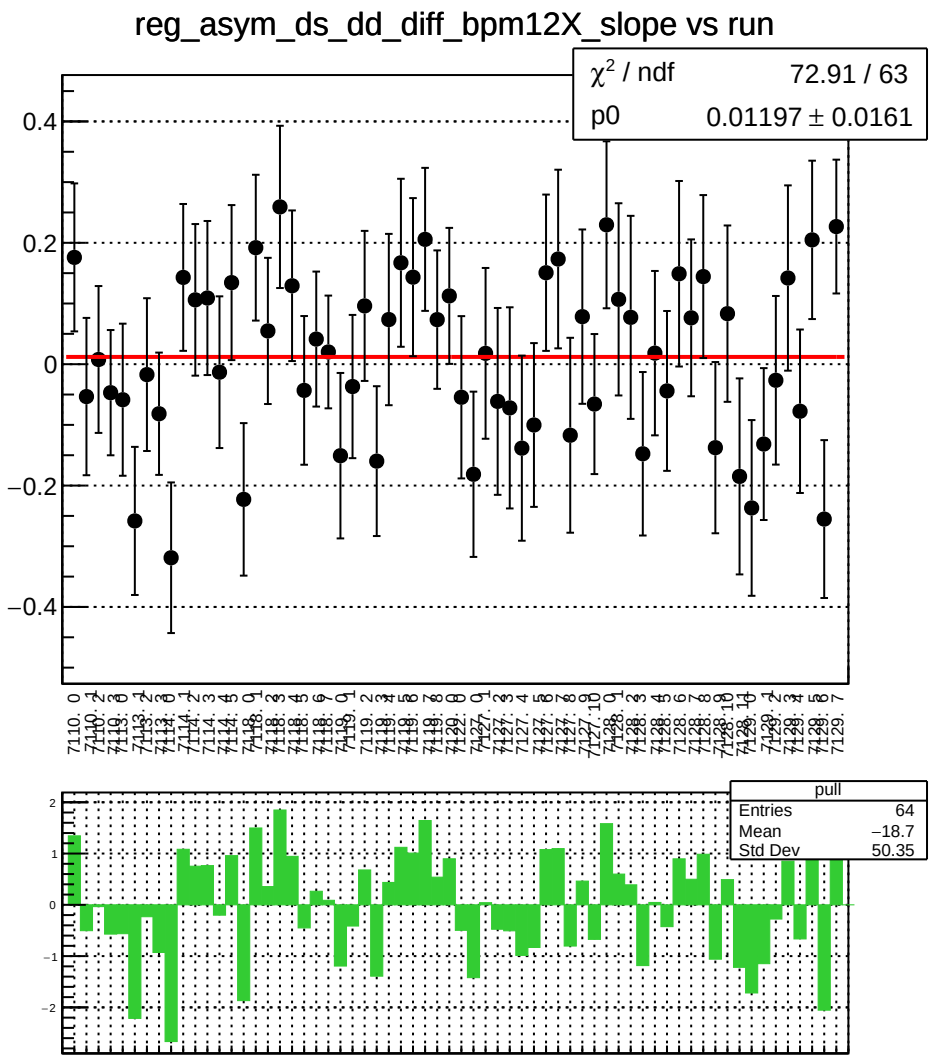

pull1D
Entries 64
Mean −0.002903
Std Dev 1.166

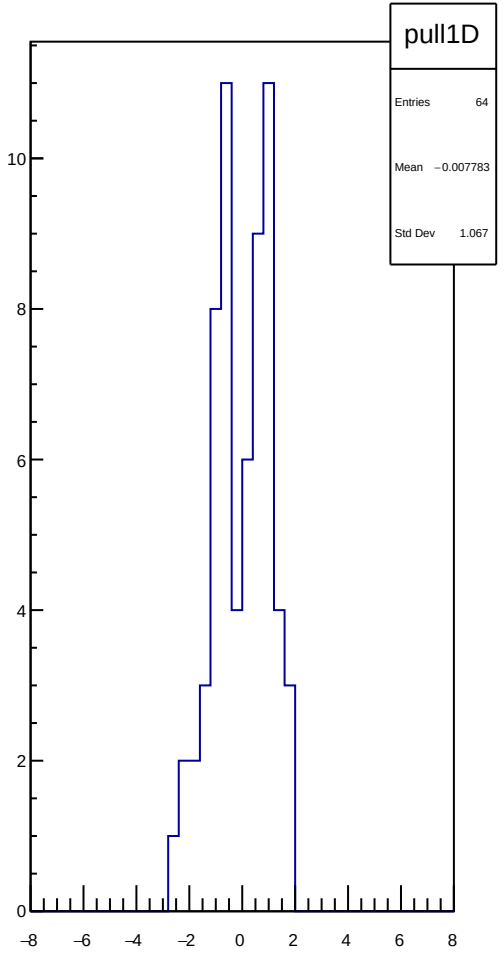

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 78.35 / 63
p0 −0.3157 ± 0.4175
pull
Entries 64
Mean 80.72
Std Dev 0

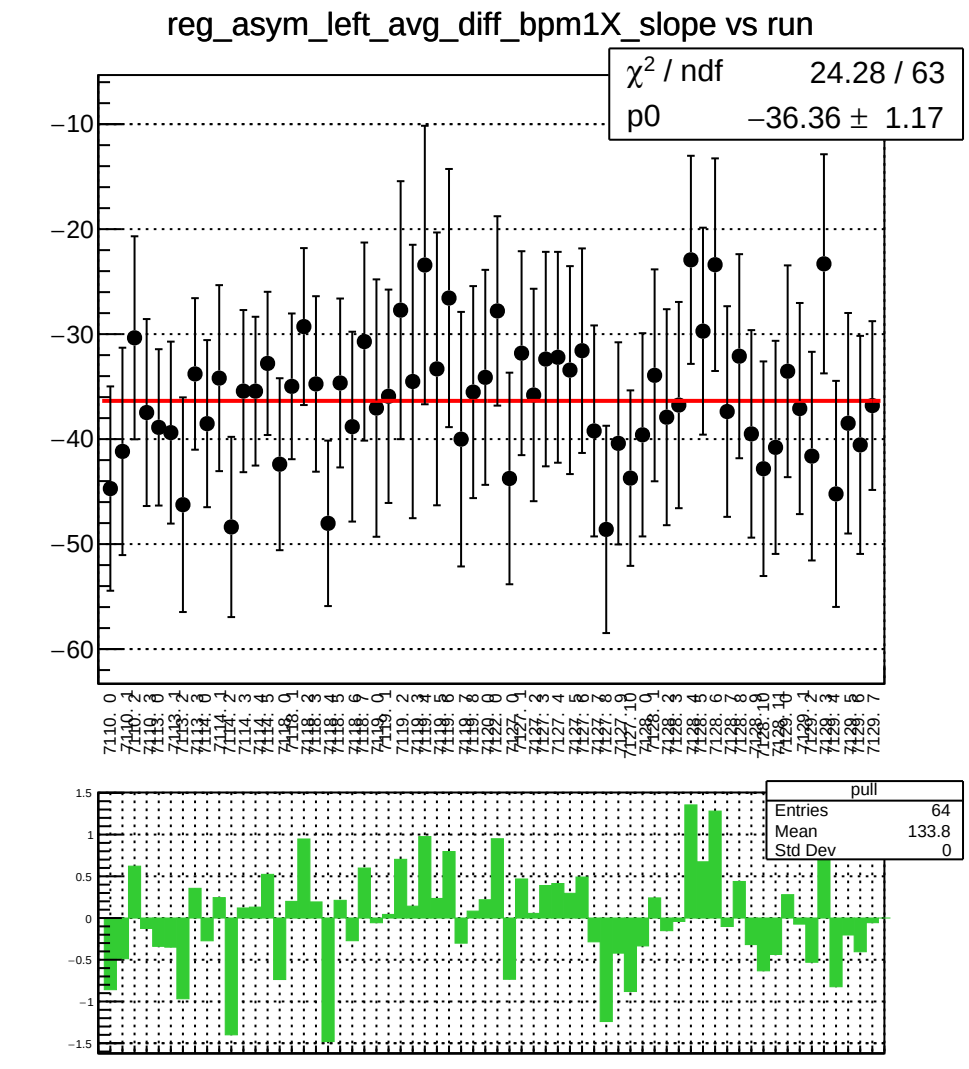

pull1D
Entries 64
Mean −0.02877
Std Dev 1.106

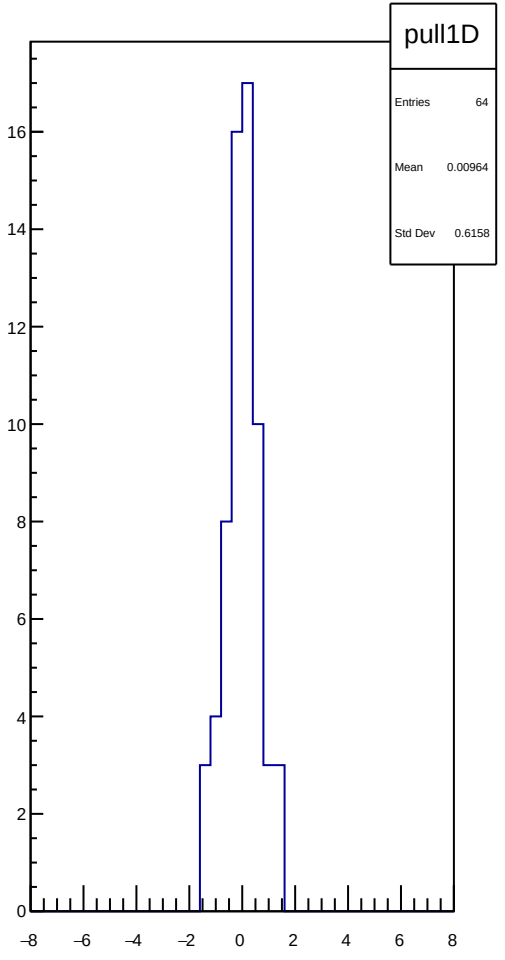

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.94 / 63
p0 −0.4013 ± 0.3613
pull
Entries 64
Mean −91.45
Std Dev 0

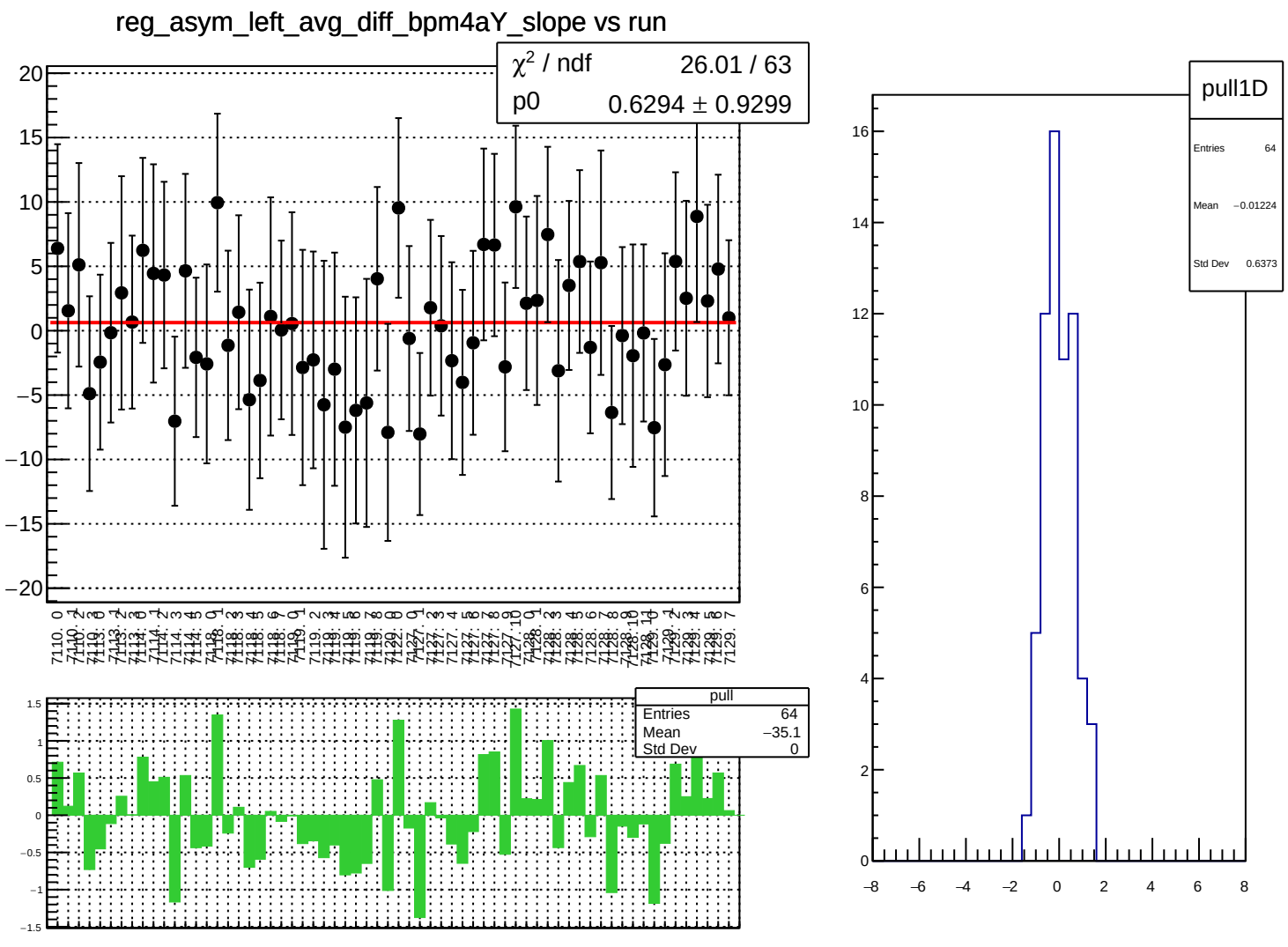

pull1D
Entries 64
Mean 0.007091
Std Dev 1.111

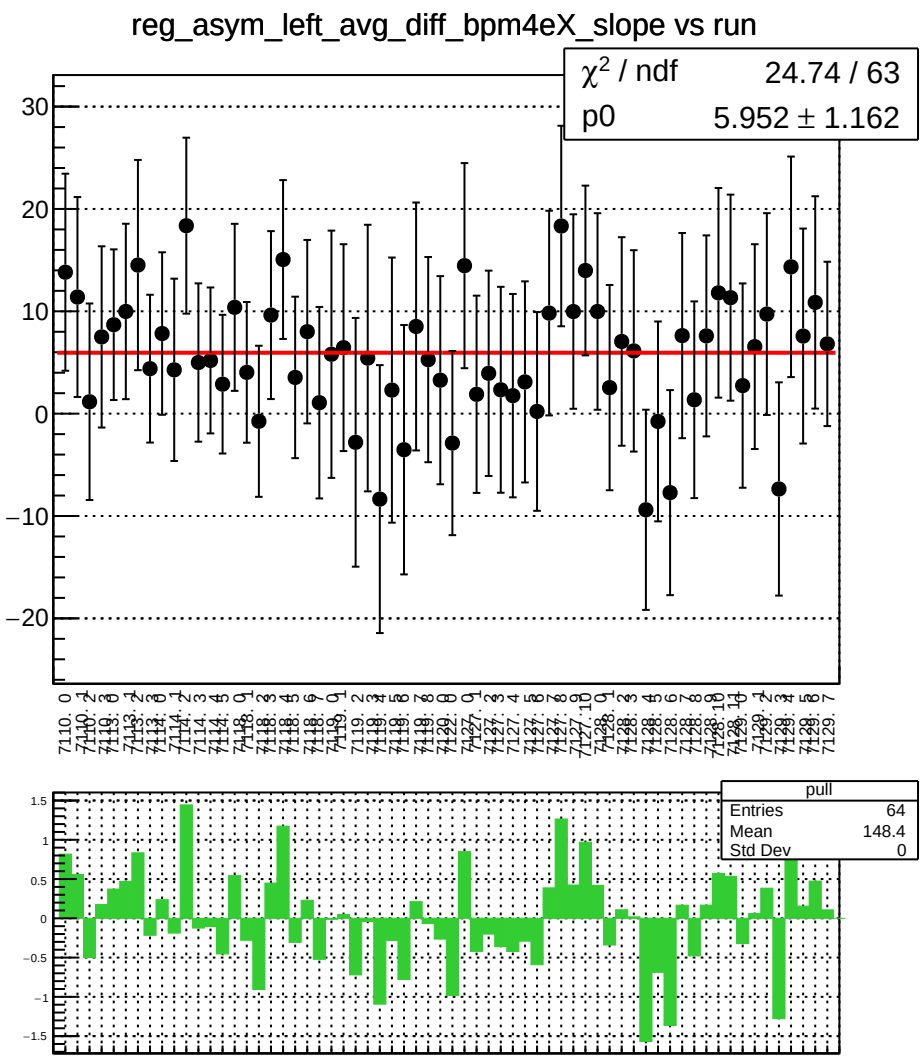

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 72.91 / 63
p0 0.01197 ± 0.0161
pull
Entries 64
Mean −18.7
Std Dev 50.35

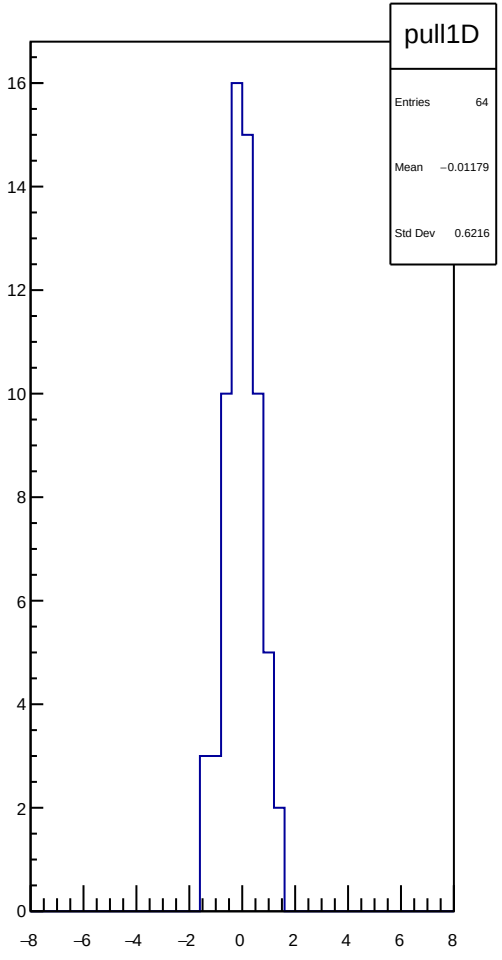

pull1D
Entries 64
Mean −0.007783
Std Dev 1.067

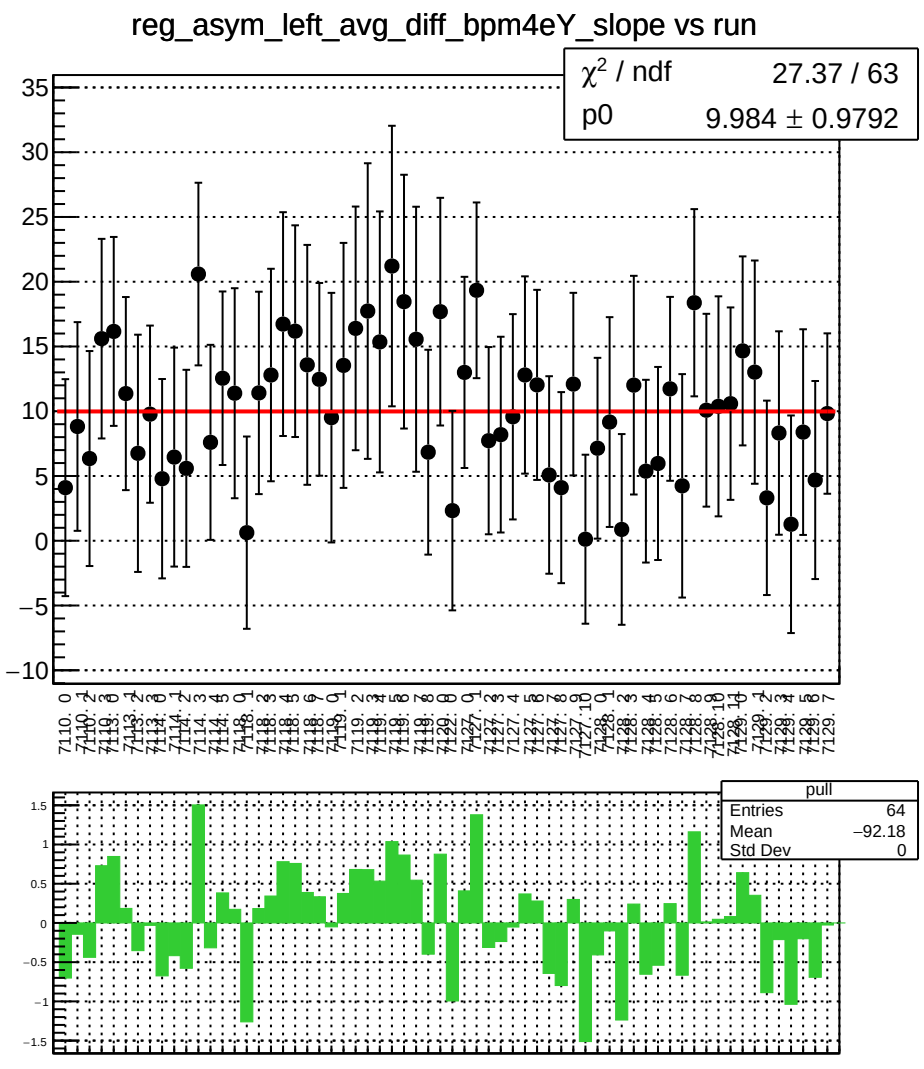

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 24.28 / 63
p0 −36.36 ± 1.17
pull
Entries 64
Mean 133.8
Std Dev 0

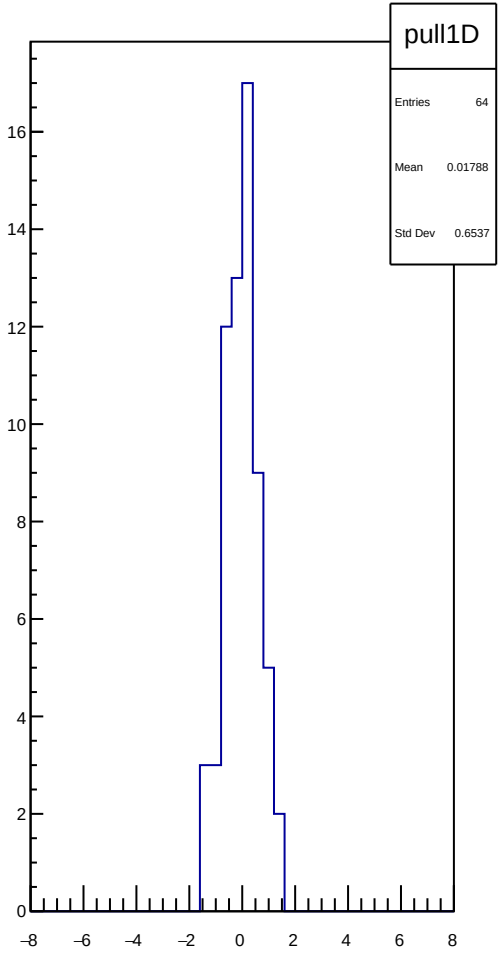

pull1D
Entries 64
Mean 0.00964
Std Dev 0.6158

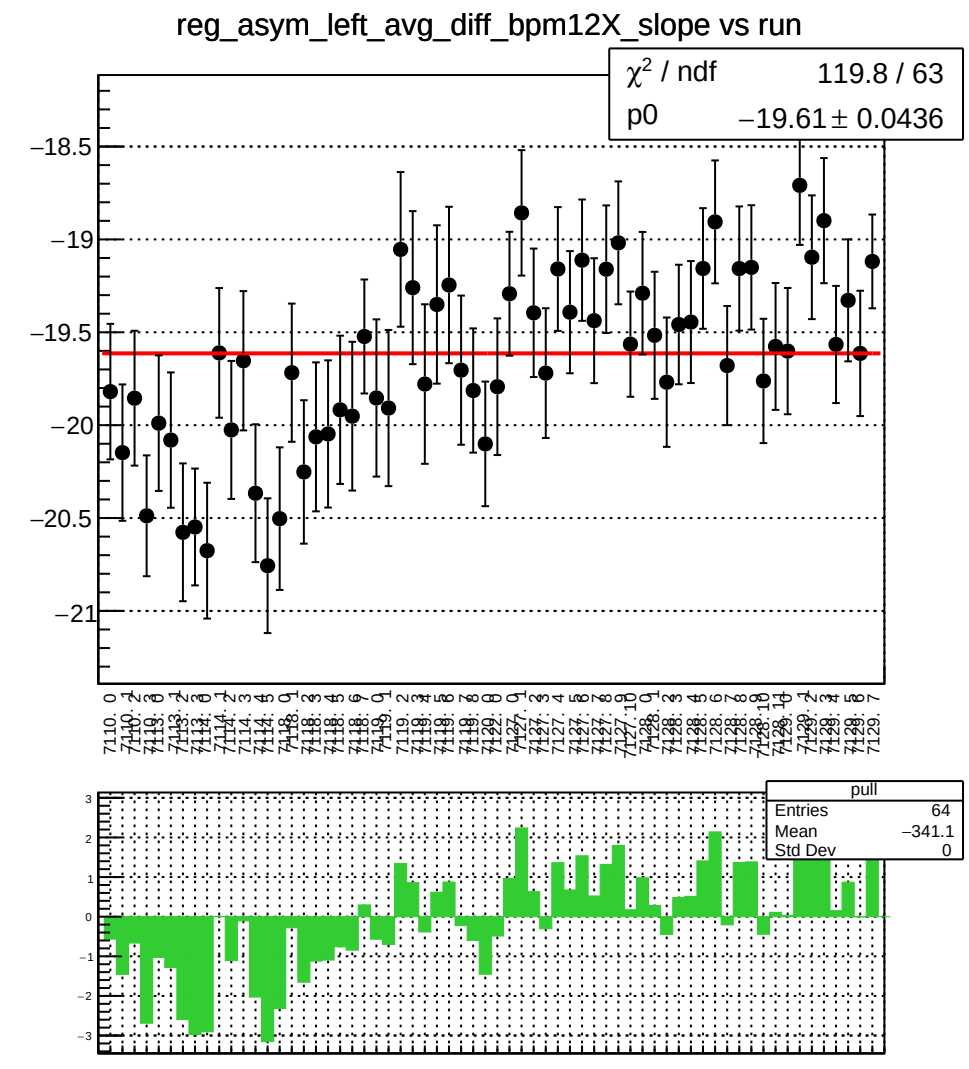

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.01 / 63
p0 0.6294 ± 0.9299
pull
Entries 64
Mean −35.1
Std Dev 0
pull1D
Entries 64
Mean −0.01224
Std Dev 0.6373

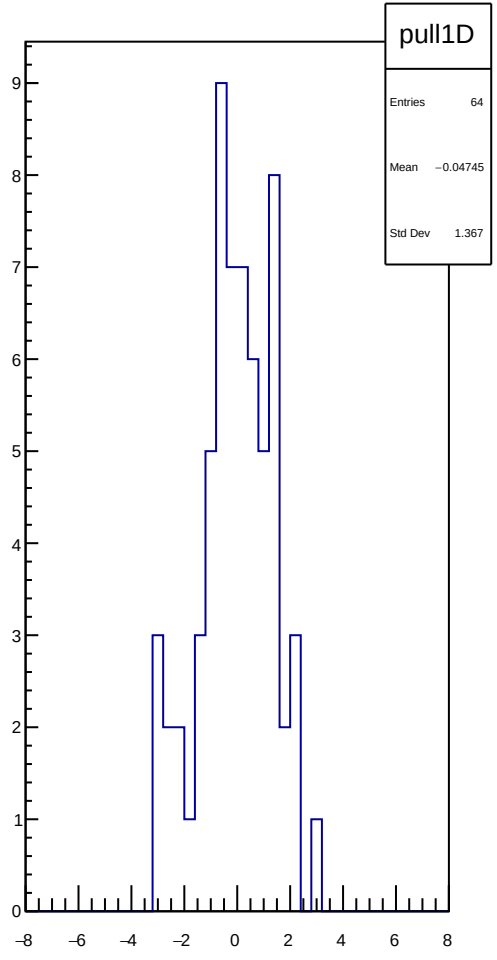

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.74 / 63
p0 5.952 ± 1.162
pull
Entries 64
Mean 148.4
Std Dev 0

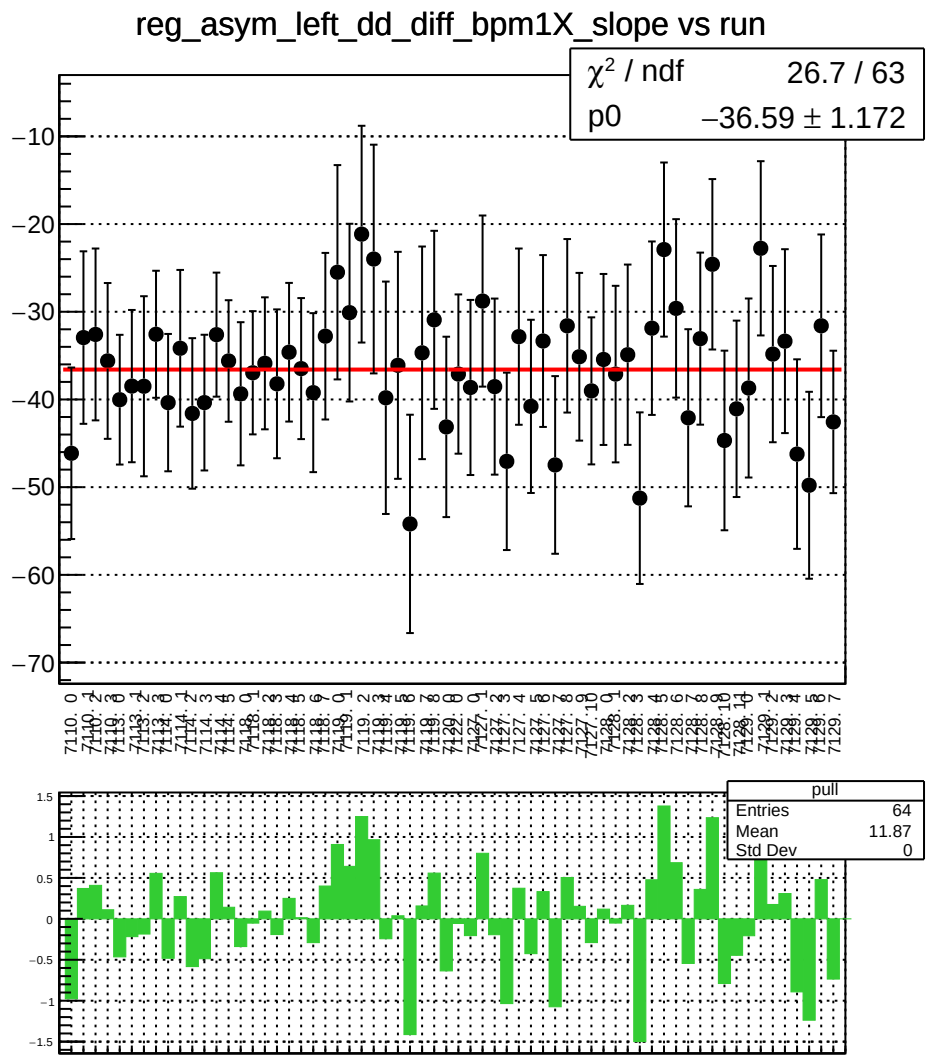

pull1D
Entries 64
Mean −0.01179
Std Dev 0.6216

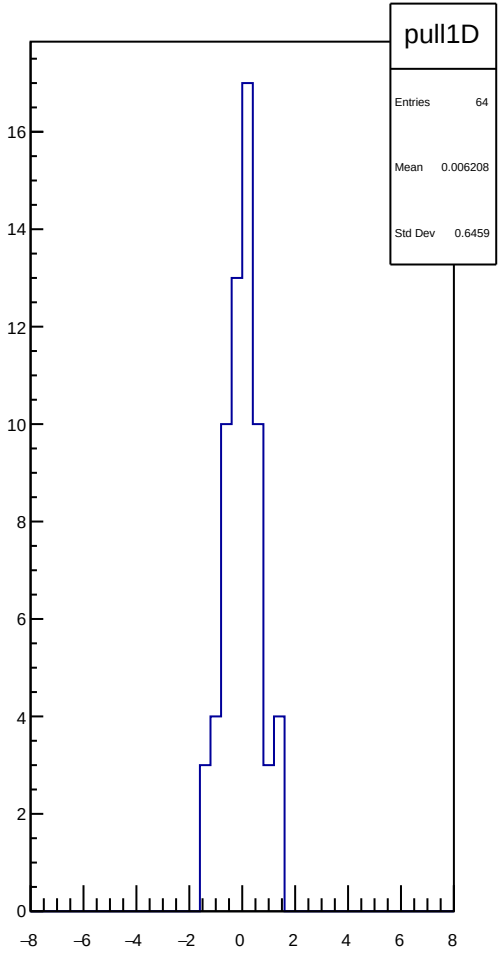

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.37 / 63
p0 9.984 ± 0.9792
pull
Entries 64
Mean −92.18
Std Dev 0

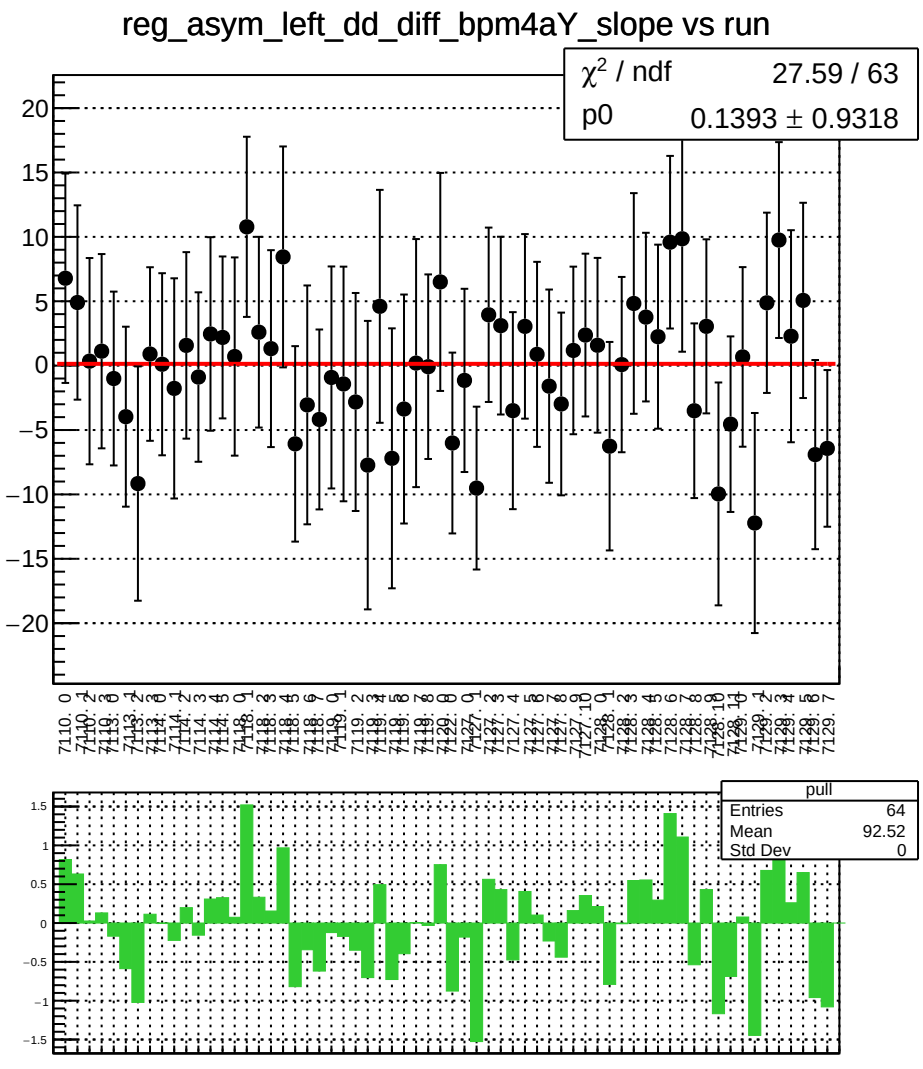

pull1D
Entries 64
Mean 0.01788
Std Dev 0.6537

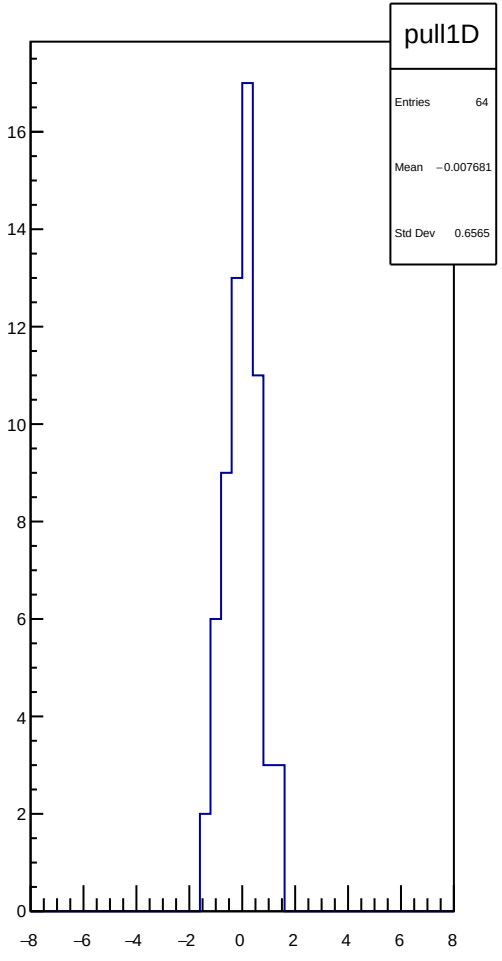

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 119.8 / 63
p0 −19.61 ± 0.0436
pull
Entries 64
Mean −341.1
Std Dev 0

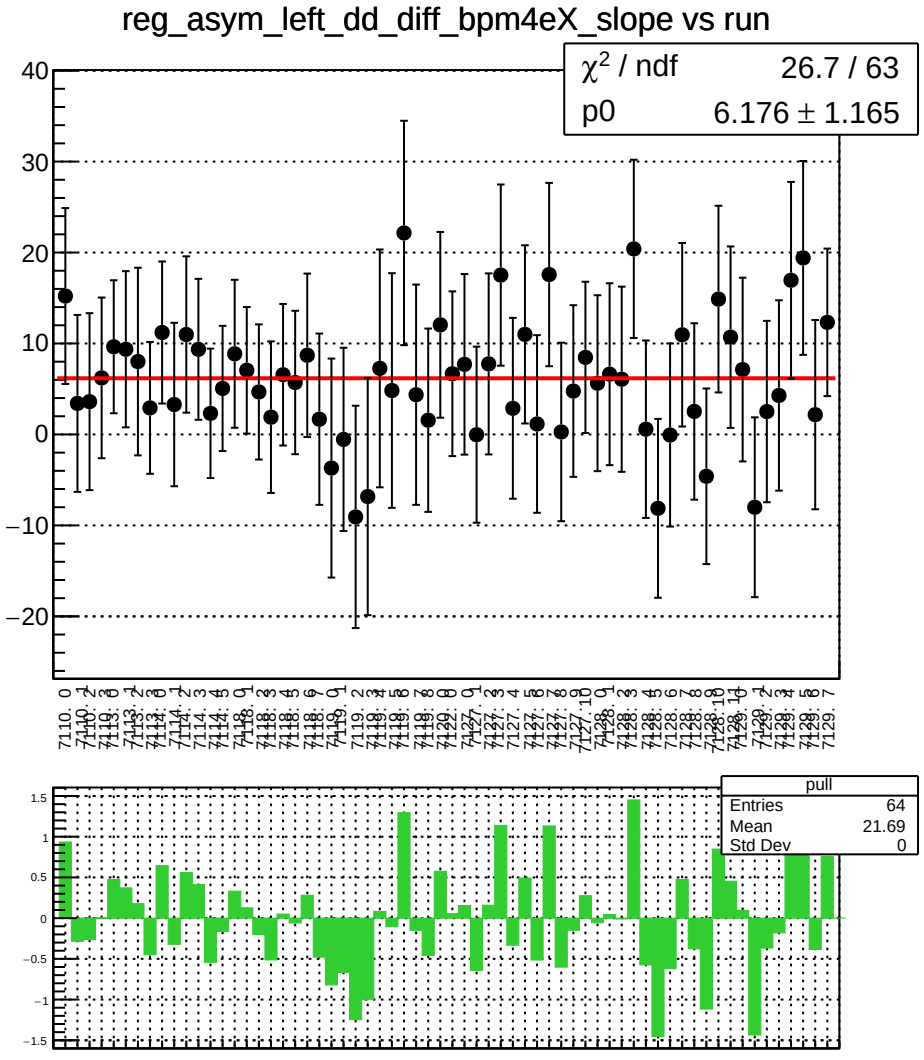

pull1D
Entries 64
Mean −0.04745
Std Dev 1.367

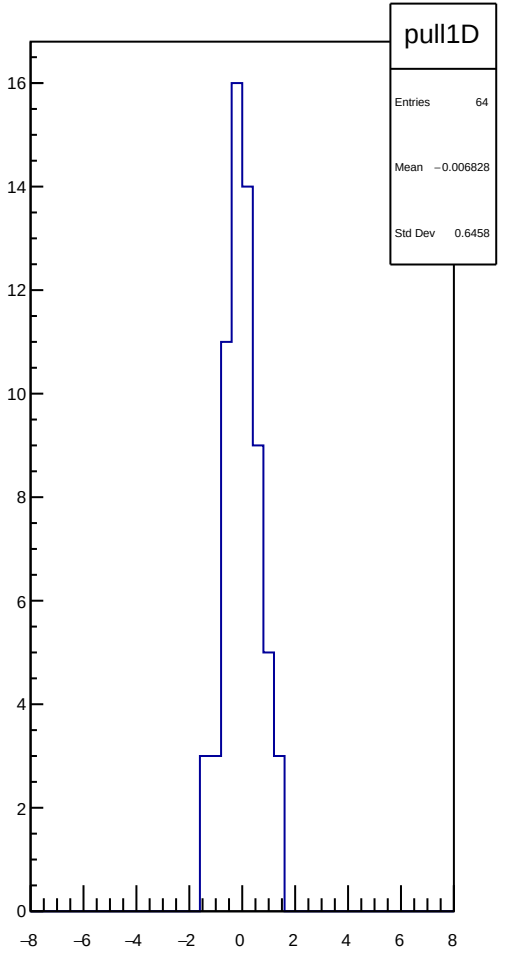

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 26.7 / 63
p0 −36.59 ± 1.172
pull
Entries 64
Mean 11.87
Std Dev 0

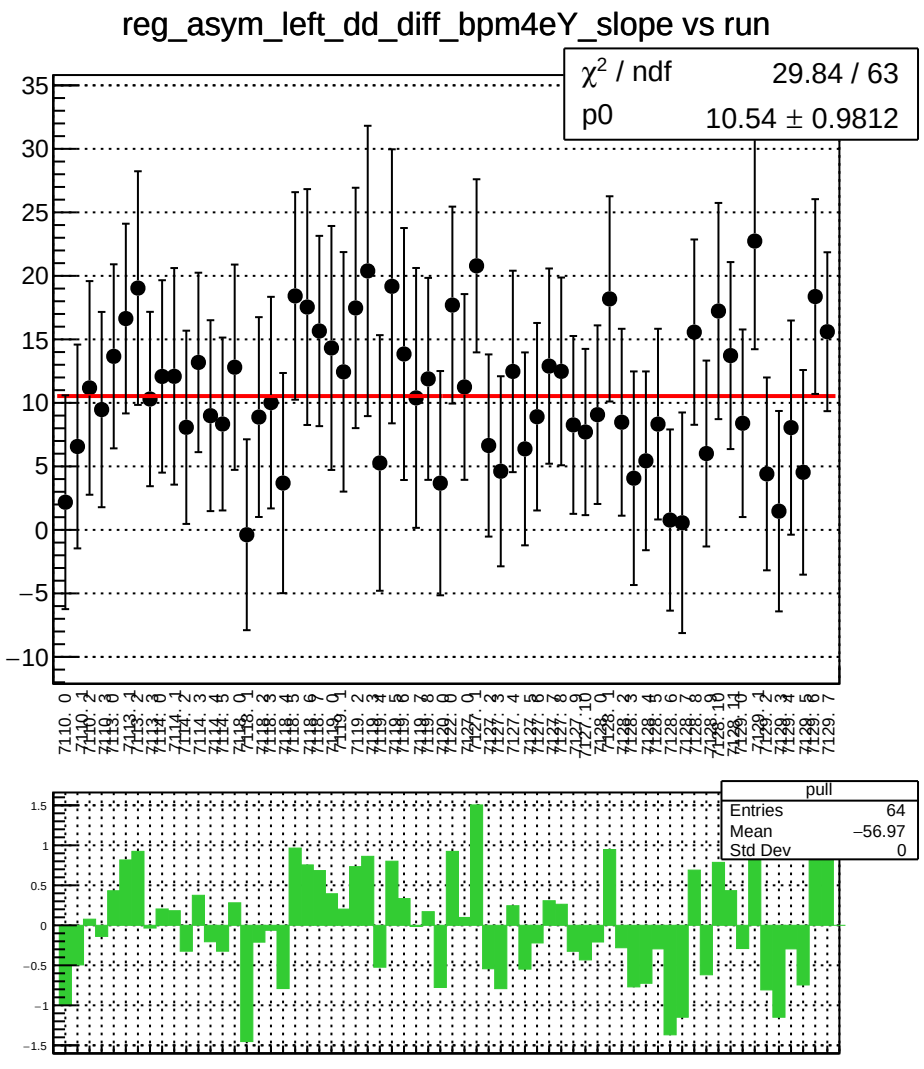

pull1D
Entries 64
Mean 0.006208
Std Dev 0.6459

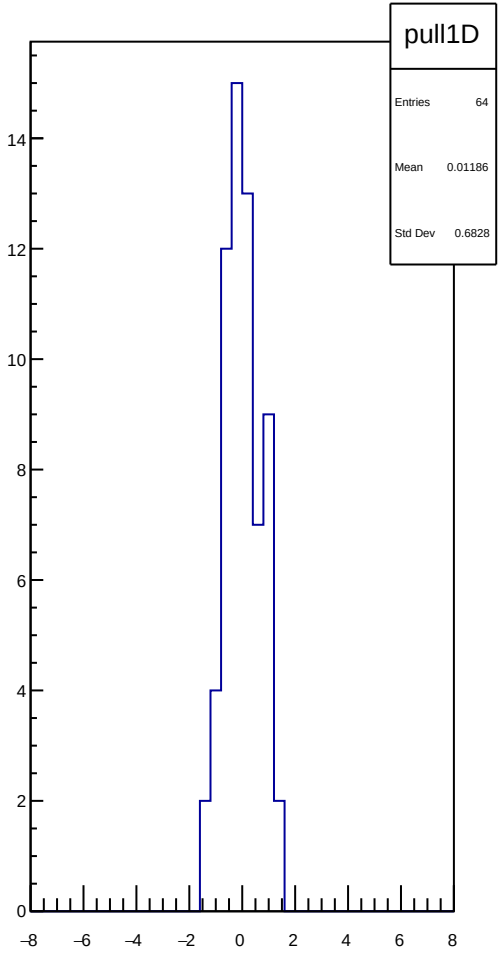

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.59 / 63
p0 0.1393 ± 0.9318
pull
Entries 64
Mean 92.52
Std Dev 0

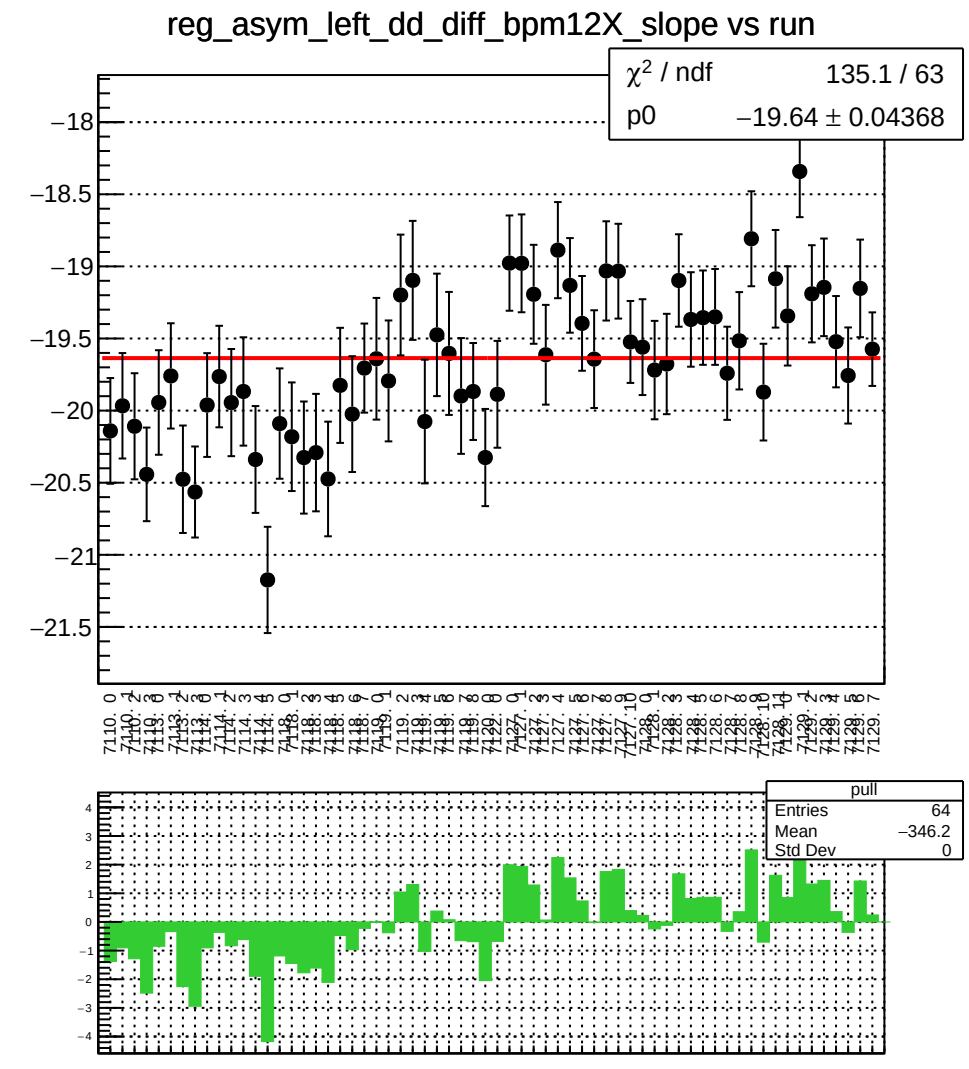

pull1D
Entries 64
Mean −0.007681
Std Dev 0.6565

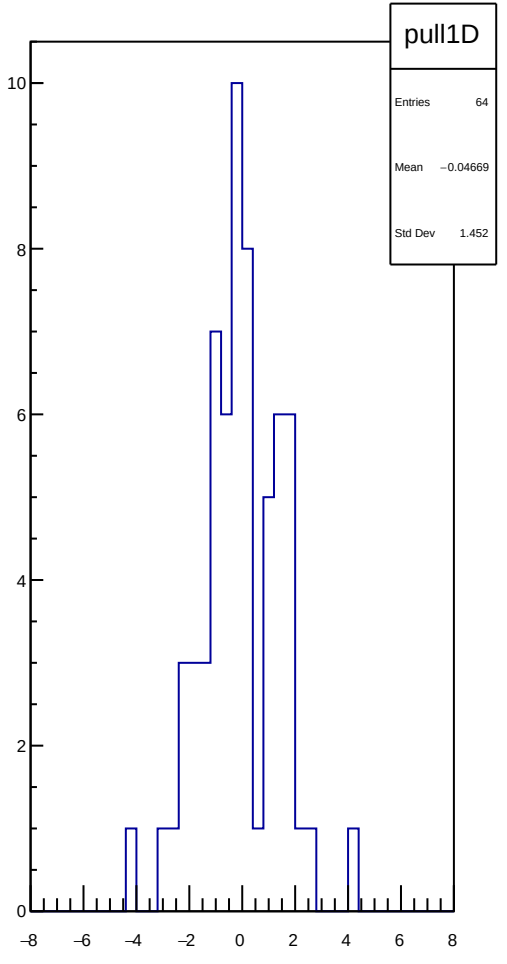

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.7 / 63
p0 6.176 ± 1.165
pull
Entries 64
Mean 21.69
Std Dev 0

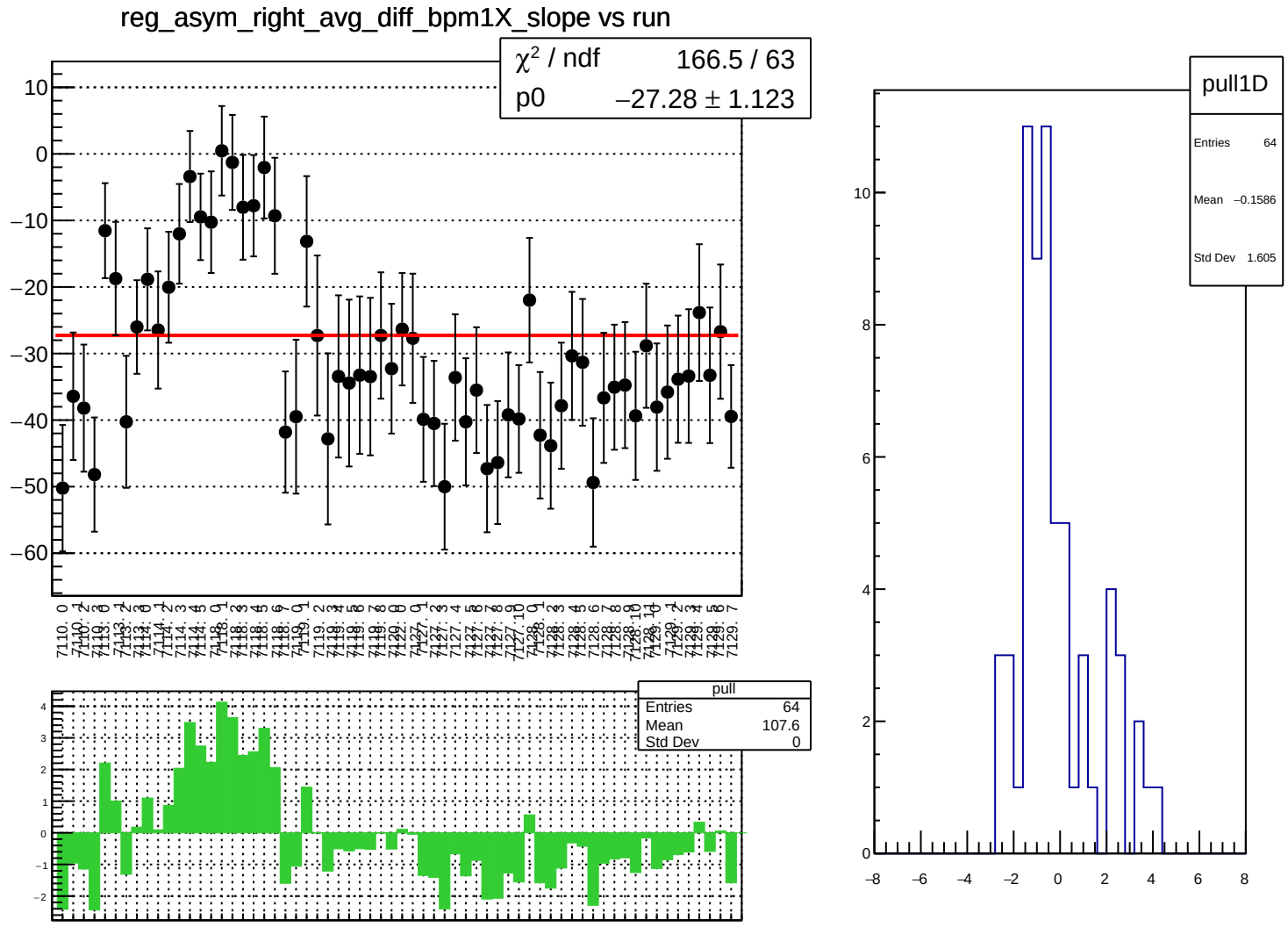

pull1D
Entries 64
Mean −0.006828
Std Dev 0.6458

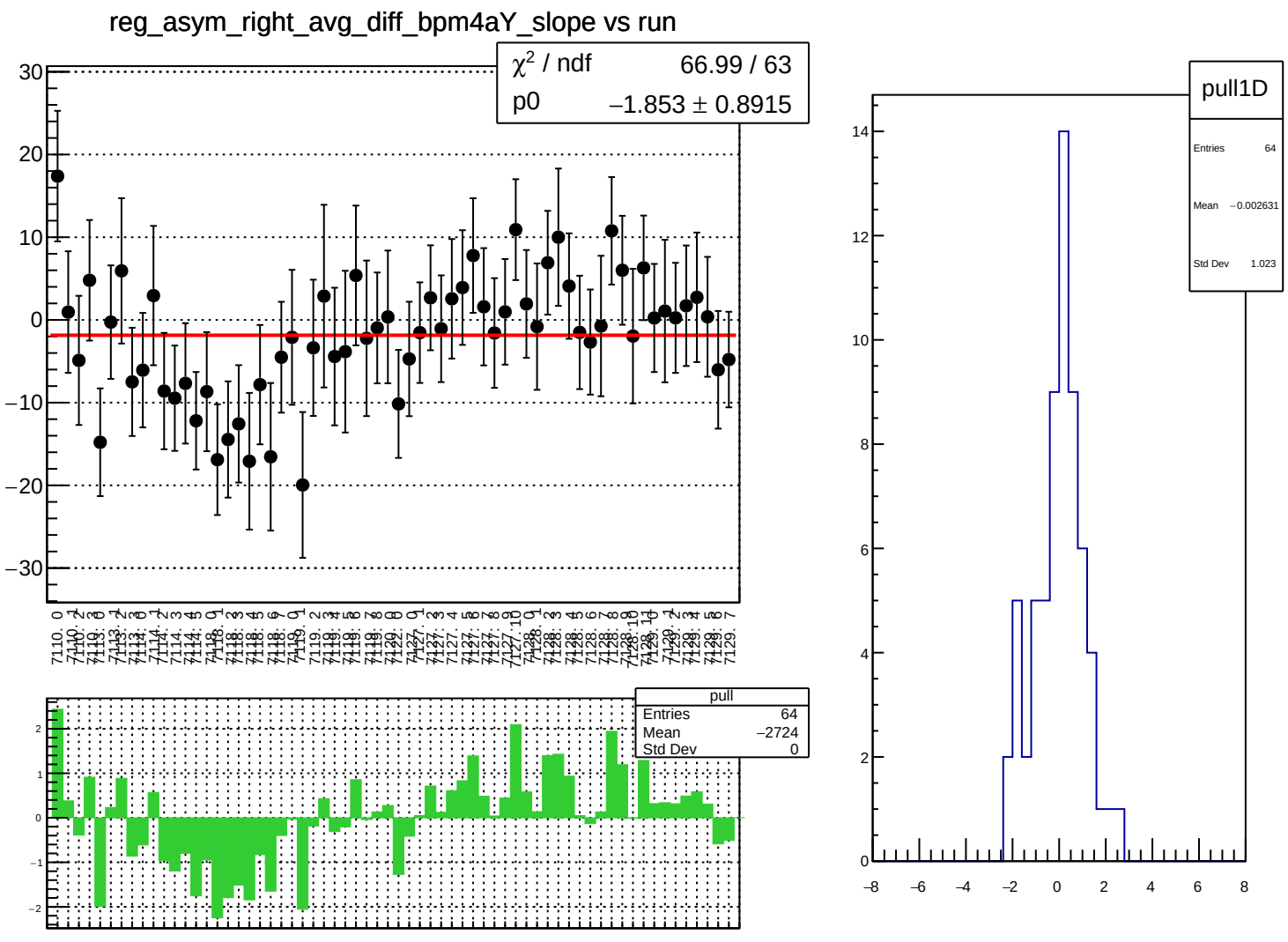

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.84 / 63
p0 10.54 ± 0.9812
pull
Entries 64
Mean −56.97
Std Dev 0

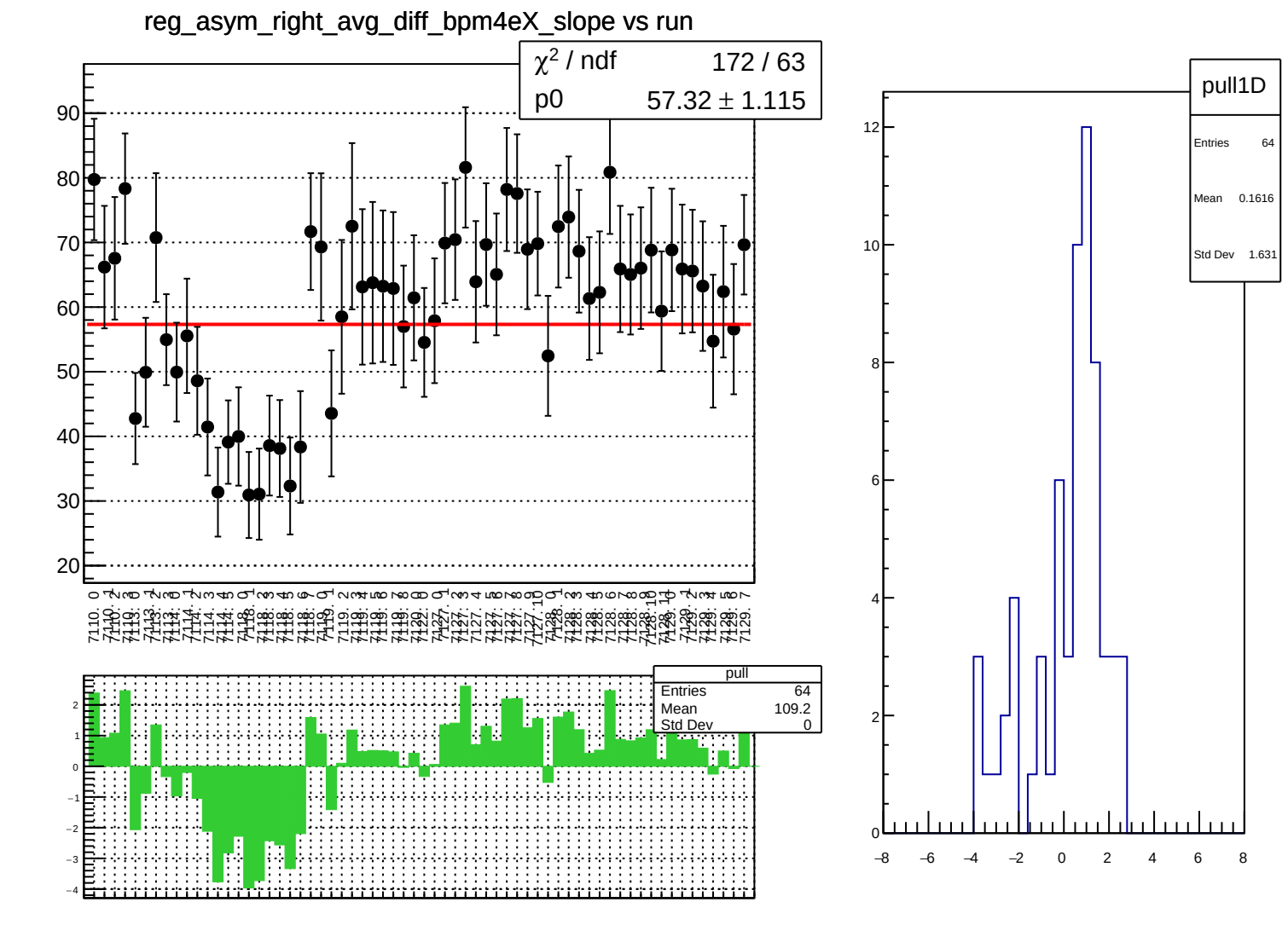

pull1D
Entries 64
Mean 0.01186
Std Dev 0.6828

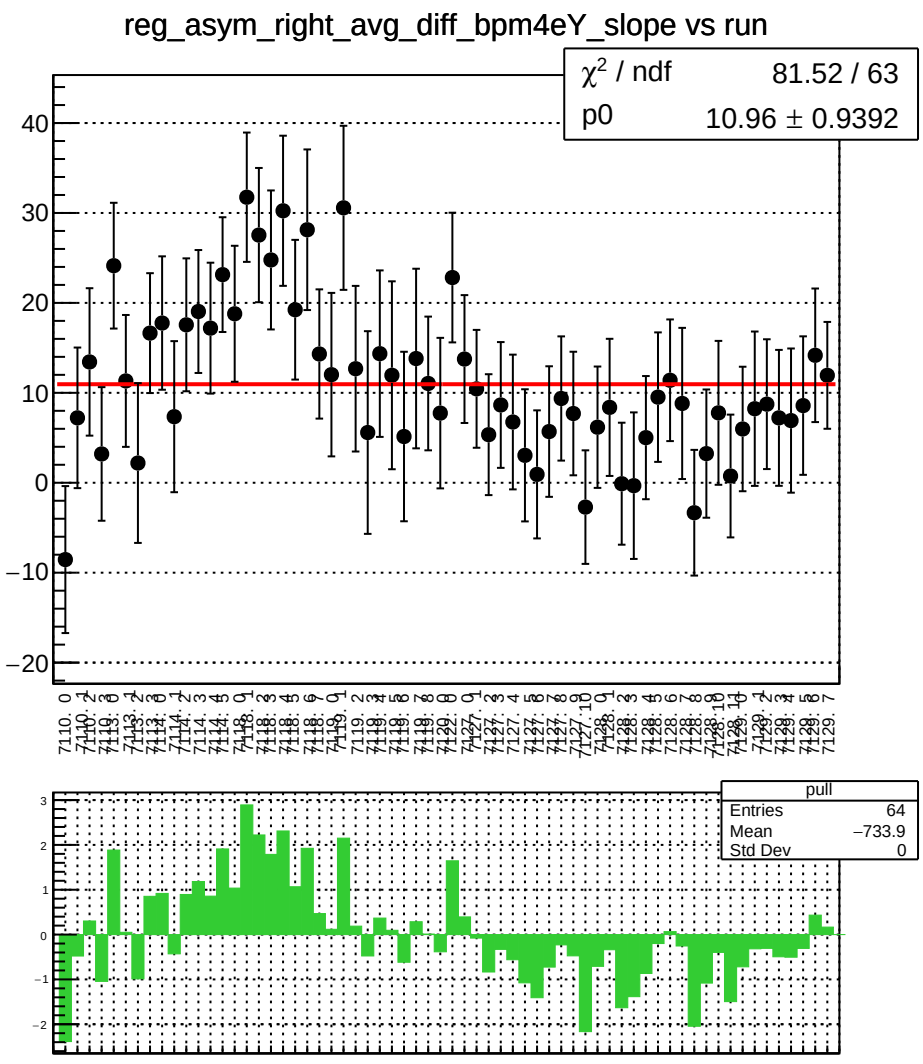

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 135.1 / 63
p0 −19.64 ± 0.04368
pull
Entries 64
Mean −346.2
Std Dev 0

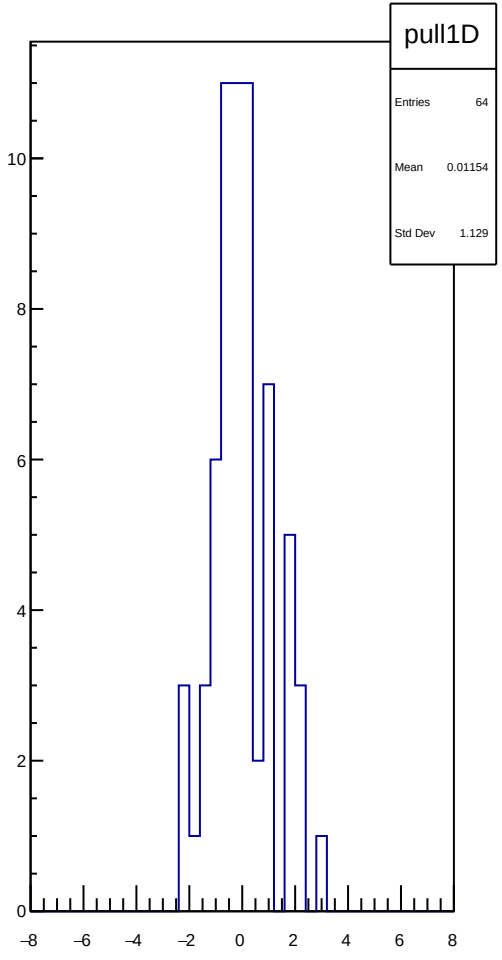

pull1D
Entries 64
Mean −0.04669
Std Dev 1.452

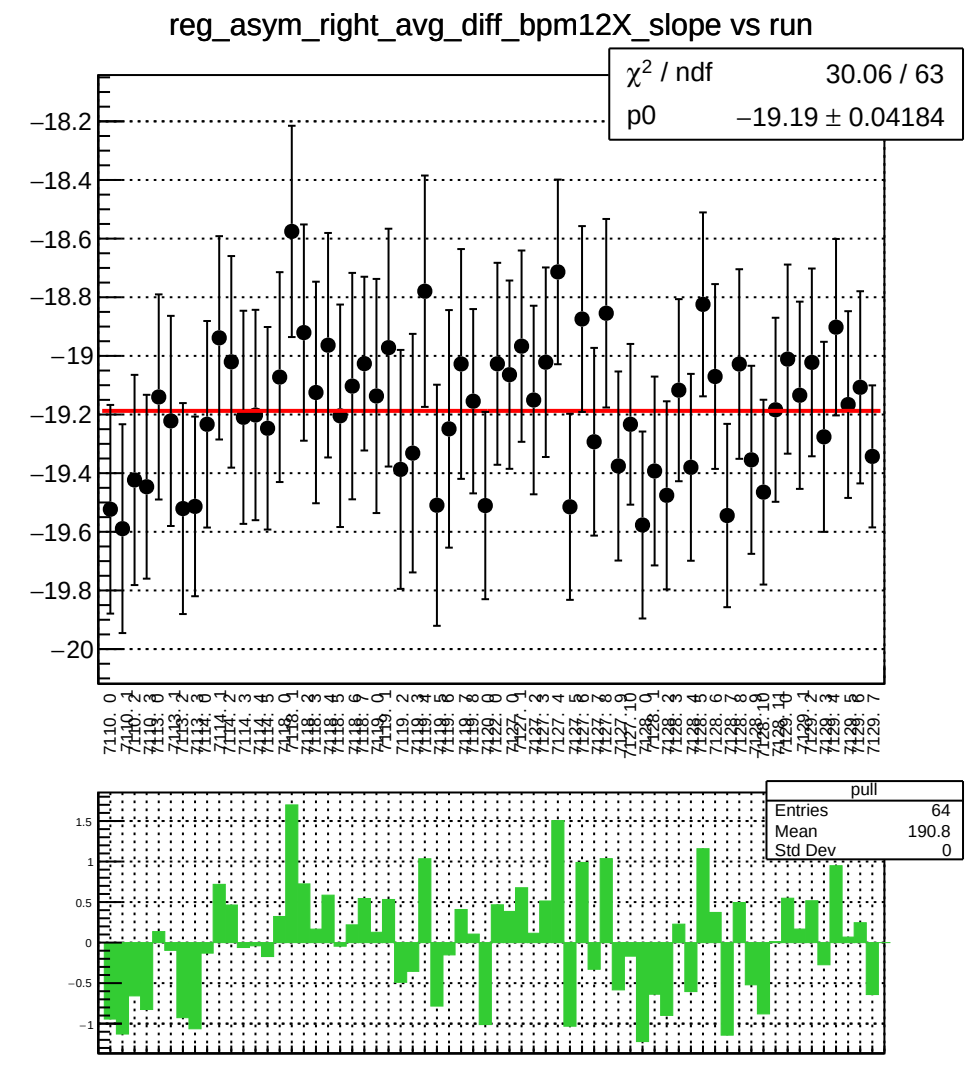

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 166.5 / 63
p0 −27.28 ± 1.123
pull
Entries 64
Mean 107.6
Std Dev 0
pull1D
Entries 64
Mean −0.1586
Std Dev 1.605

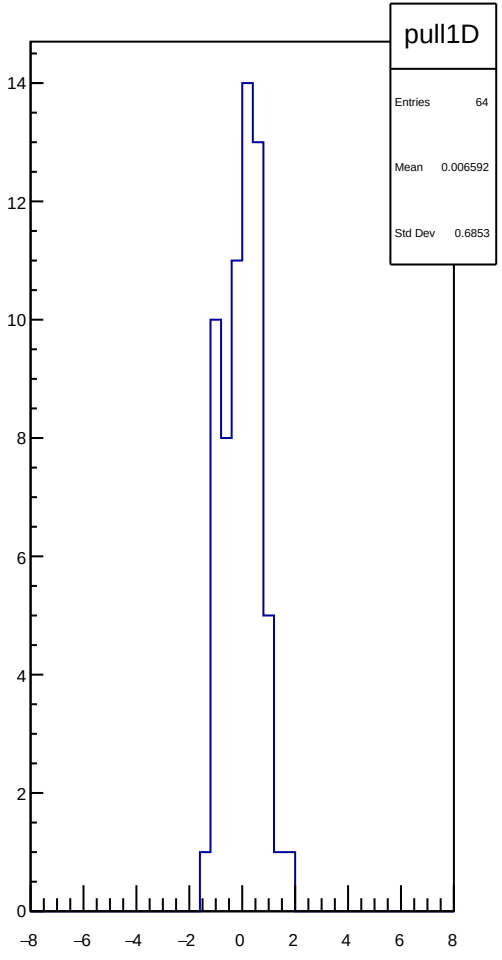

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.99 / 63
p0 −1.853 ± 0.8915
pull
Entries 64
Mean −2724
Std Dev 0
pull1D
Entries 64
Mean −0.002631
Std Dev 1.023

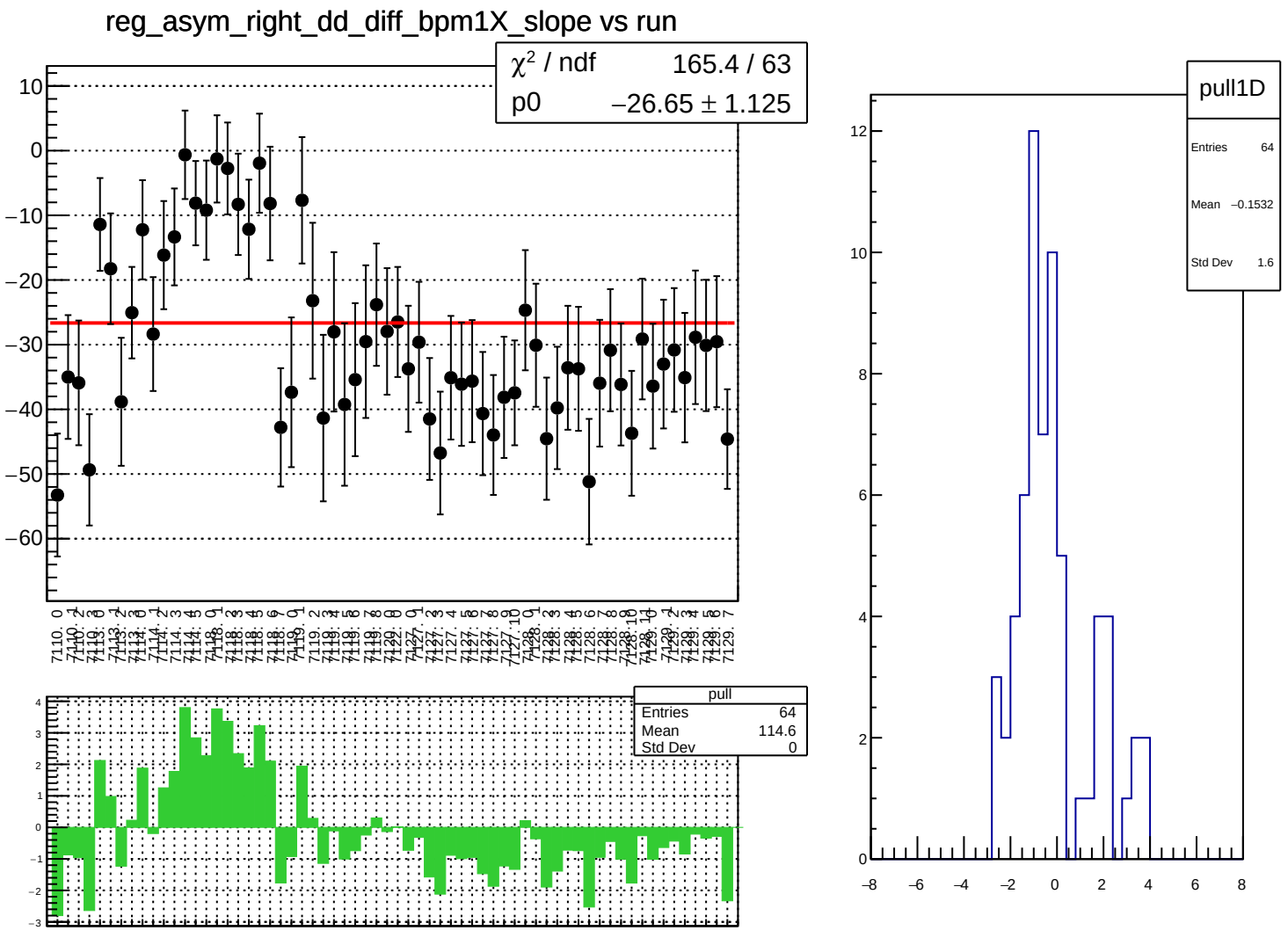

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 172 / 63
p0 57.32 ± 1.115
pull
Entries 64
Mean 109.2
Std Dev 0
pull1D
Entries 64
Mean 0.1616
Std Dev 1.631

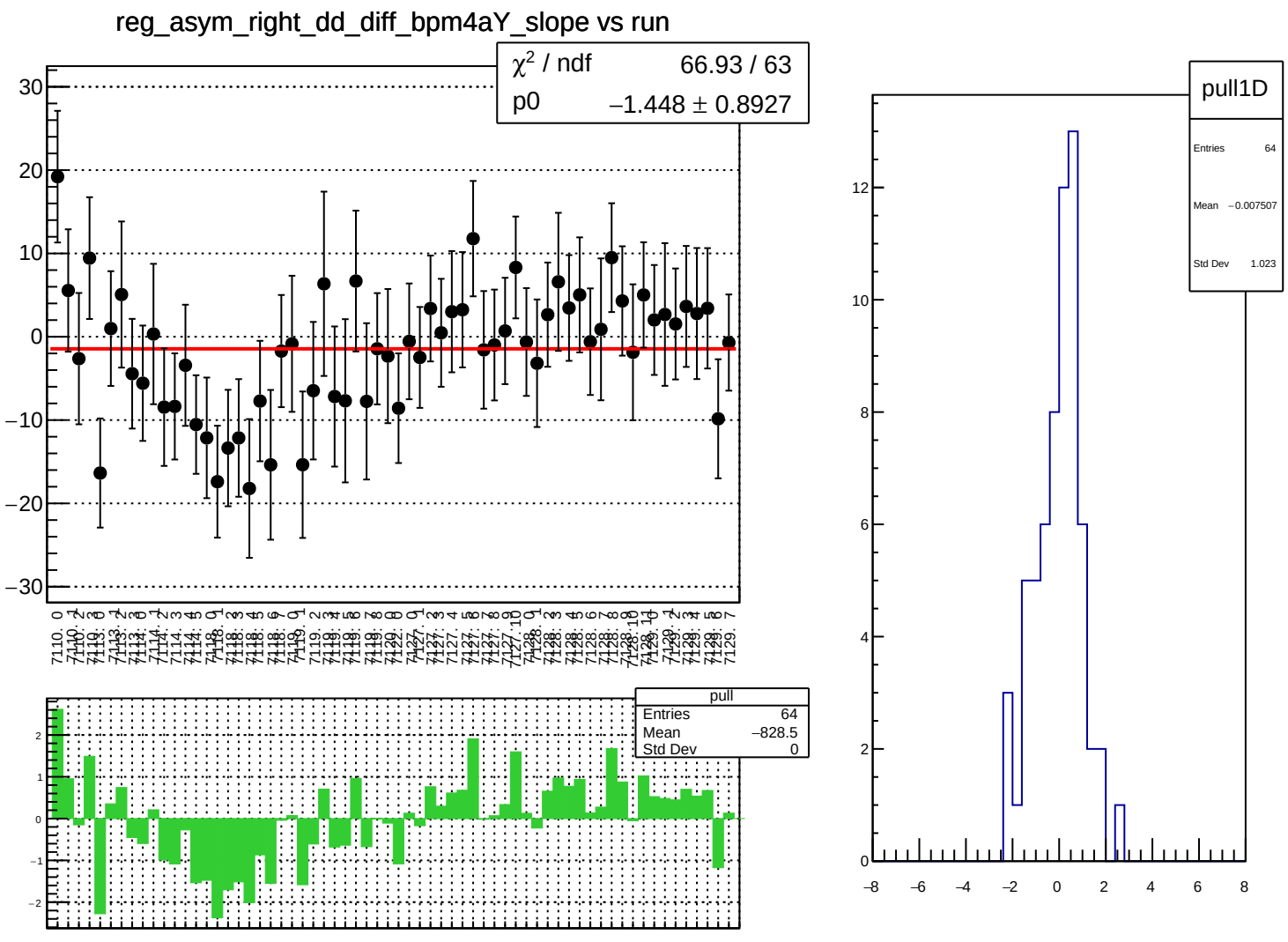

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 81.52 / 63
p0 10.96 ± 0.9392
pull
Entries 64
Mean −733.9
Std Dev 0

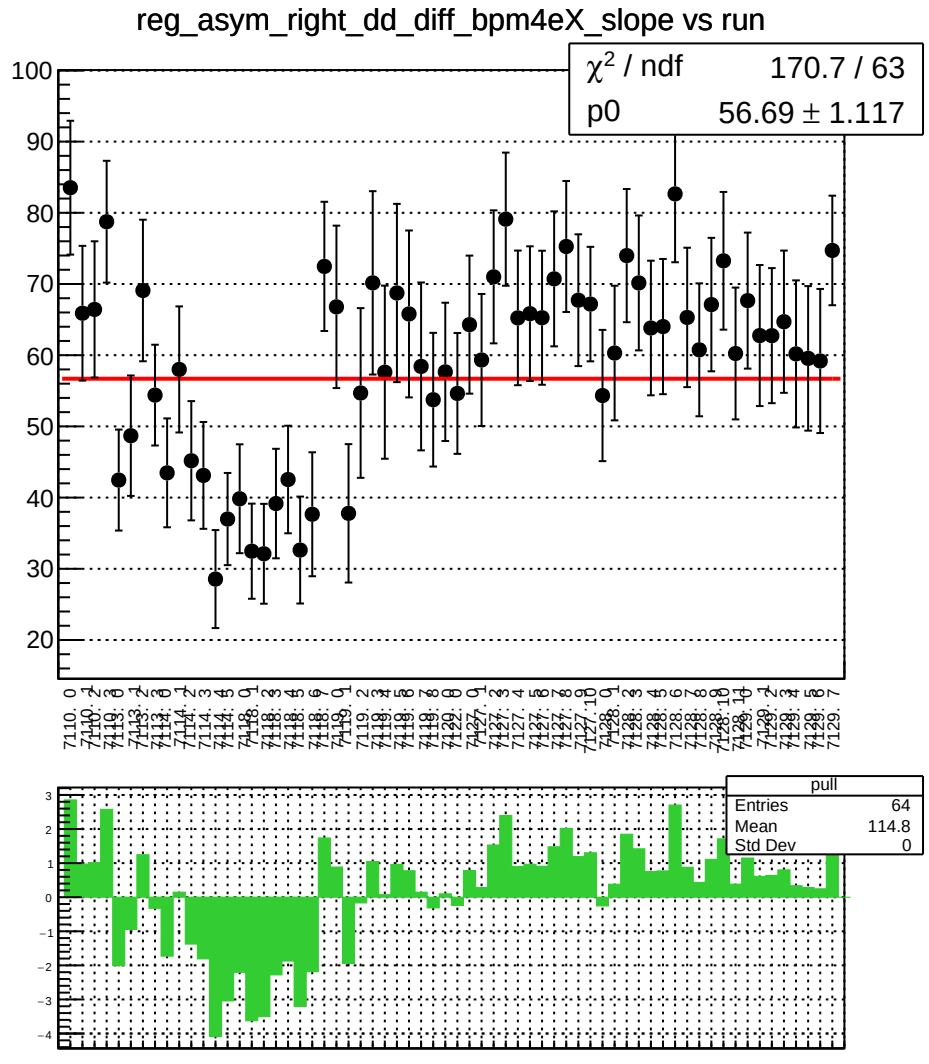

pull1D
Entries 64
Mean 0.01154
Std Dev 1.129

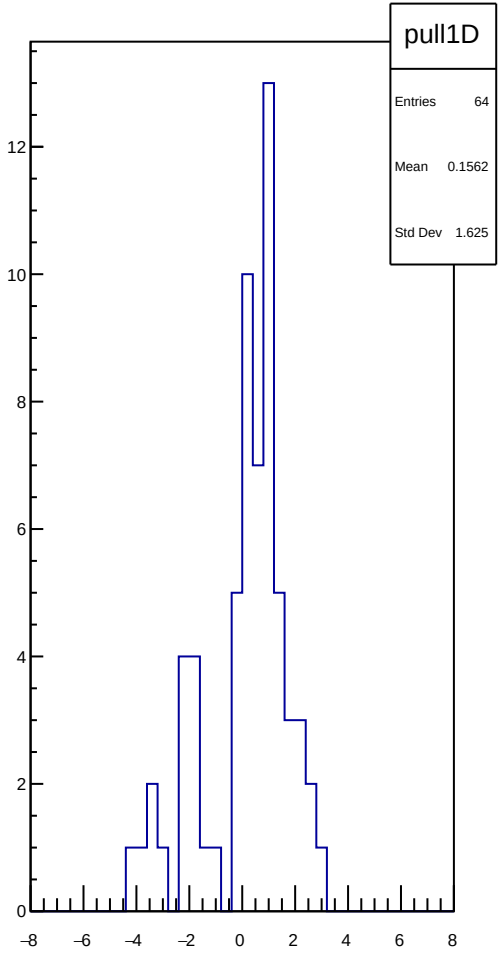

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 30.06 / 63
p0 −19.19 ± 0.04184
pull
Entries 64
Mean 190.8
Std Dev 0

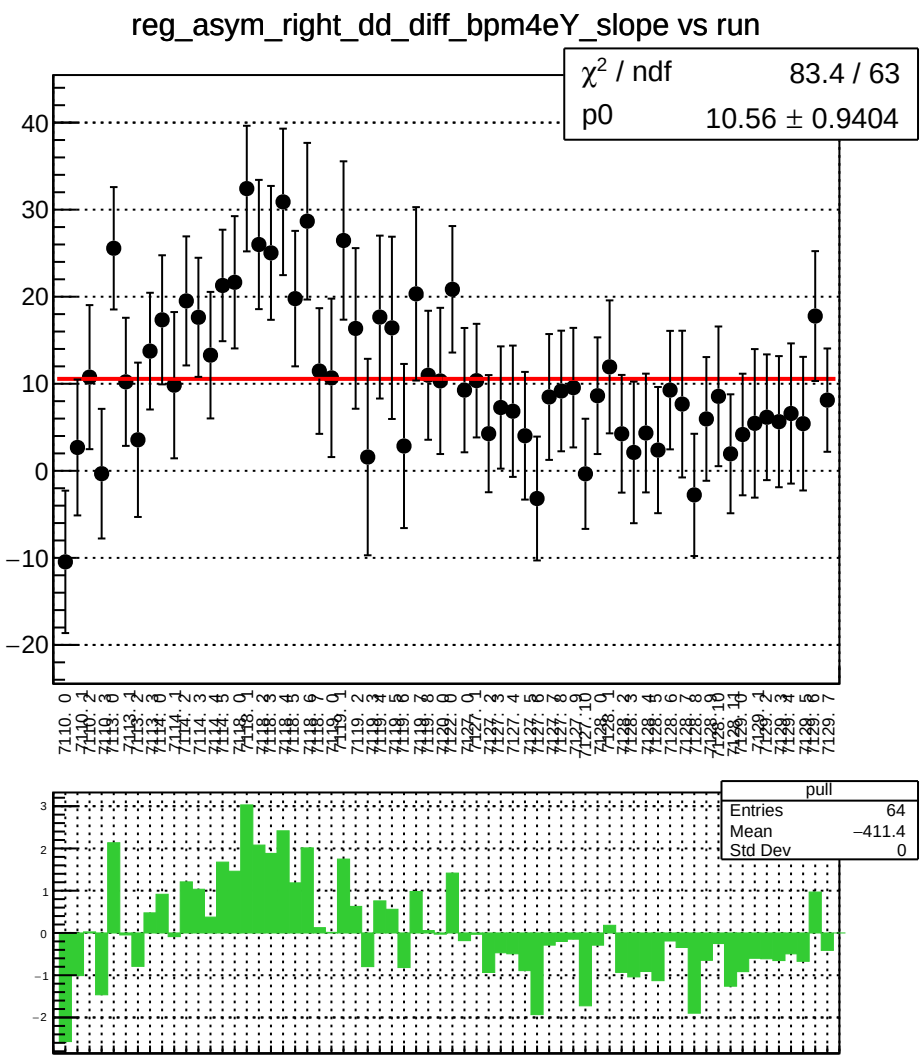

pull1D
Entries 64
Mean 0.006592
Std Dev 0.6853

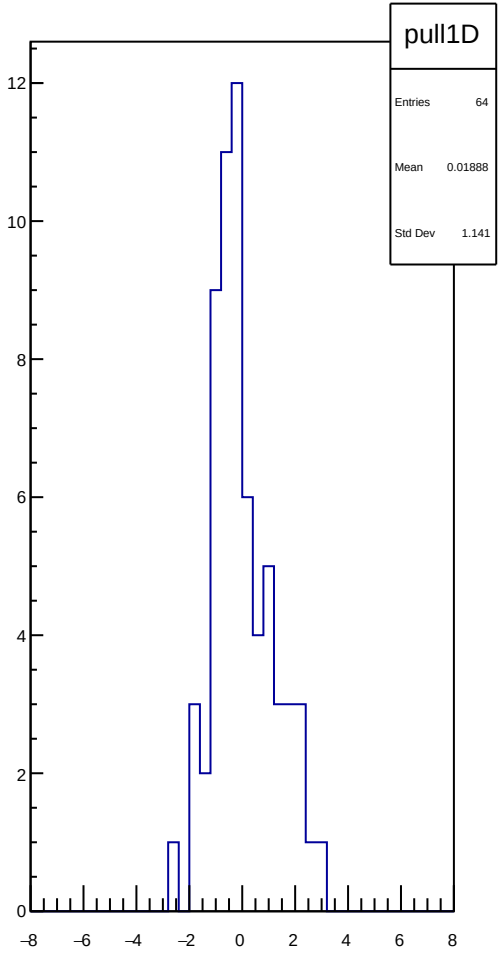

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 165.4 / 63
p0 −26.65 ± 1.125
pull
Entries 64
Mean 114.6
Std Dev 0
pull1D
Entries 64
Mean −0.1532
Std Dev 1.6

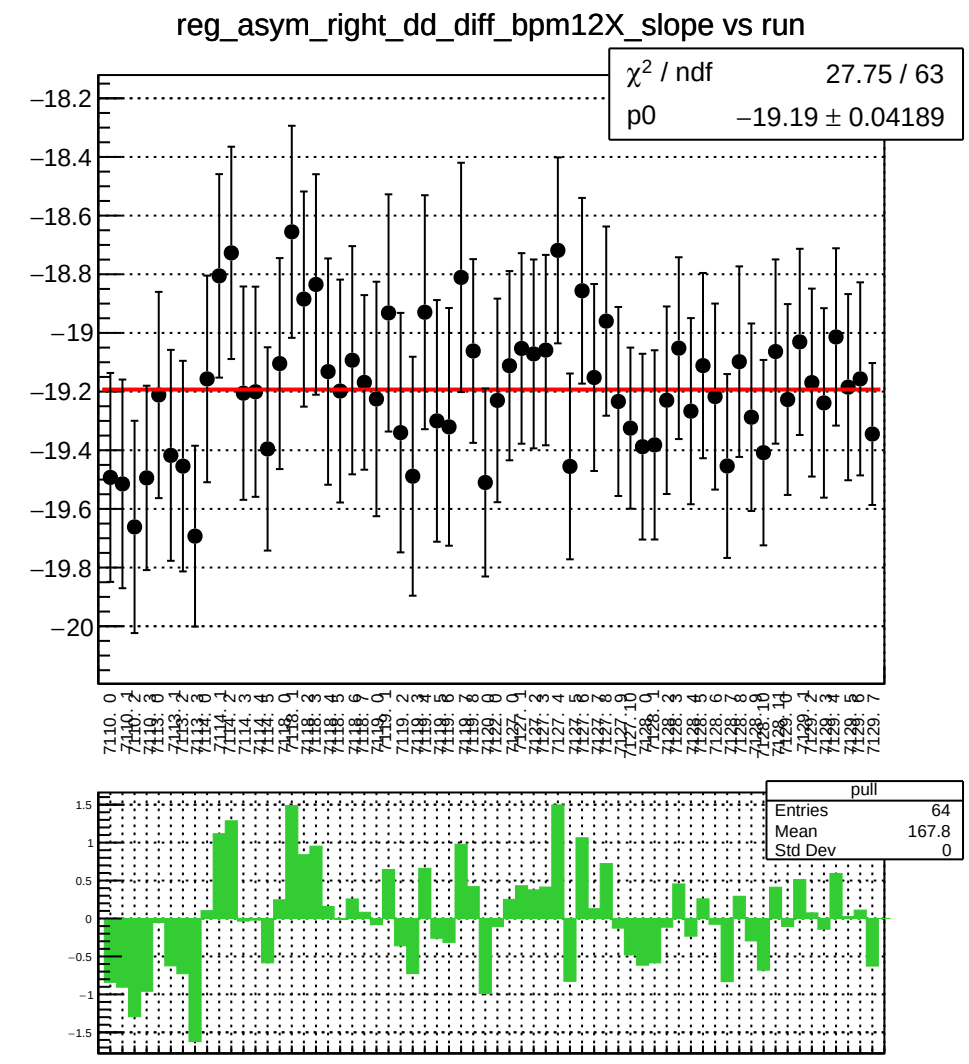

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.93 / 63
p0 −1.448 ± 0.8927
pull
Entries 64
Mean −828.5
Std Dev 0
pull1D
Entries 64
Mean −0.007507
Std Dev 1.023

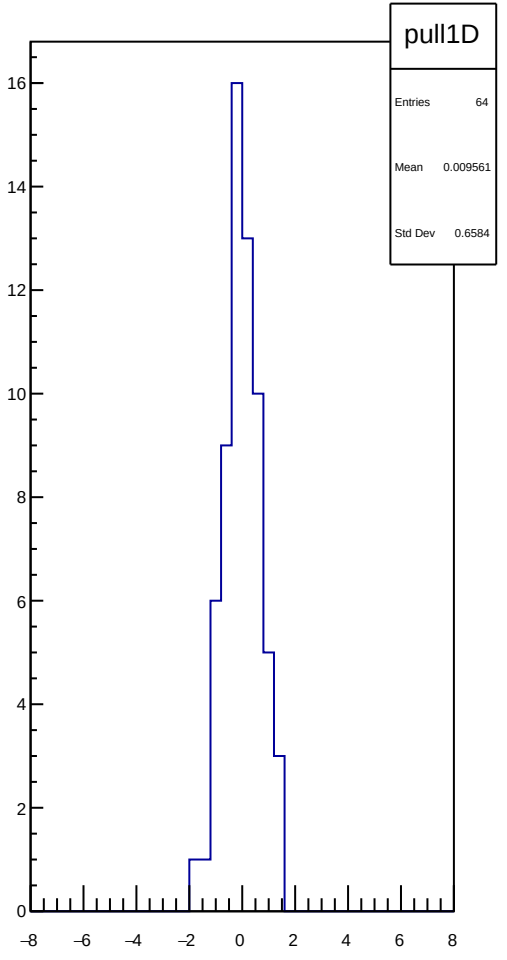

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 170.7 / 63
p0 56.69 ± 1.117
pull
Entries 64
Mean 114.8
Std Dev 0

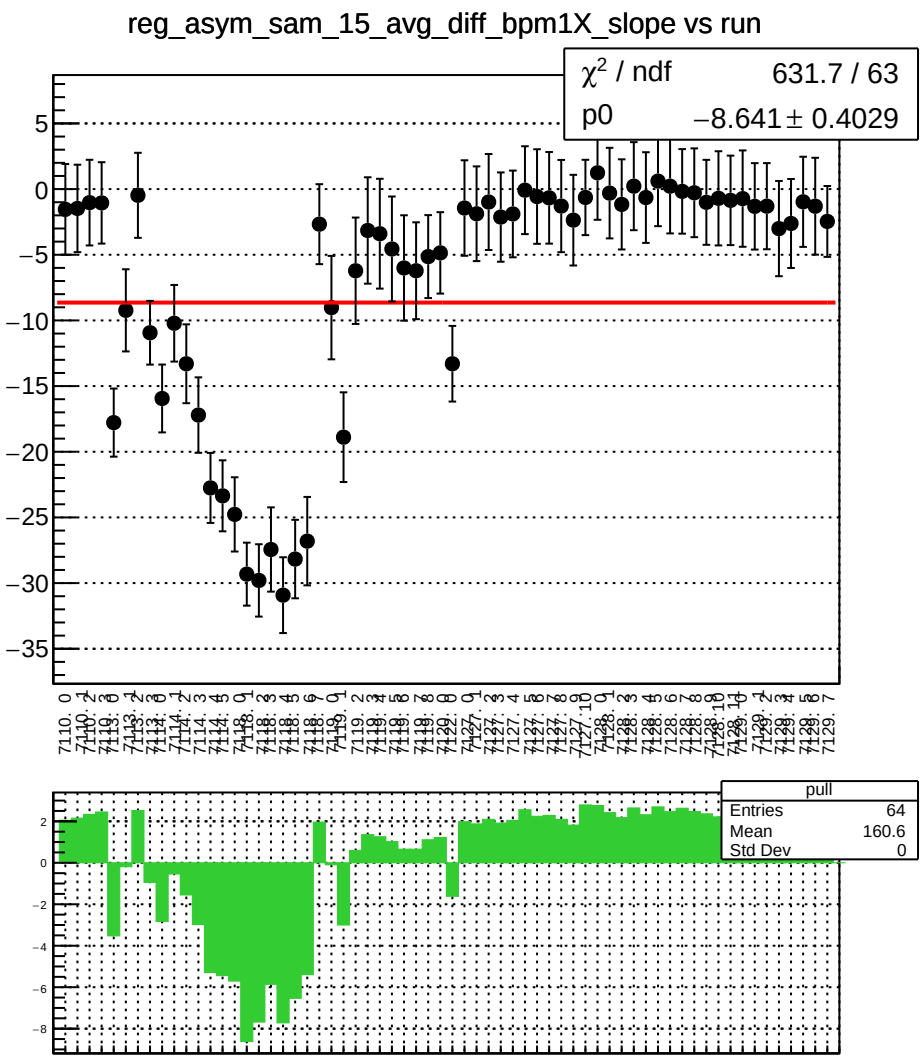

pull1D
Entries 64
Mean 0.1562
Std Dev 1.625

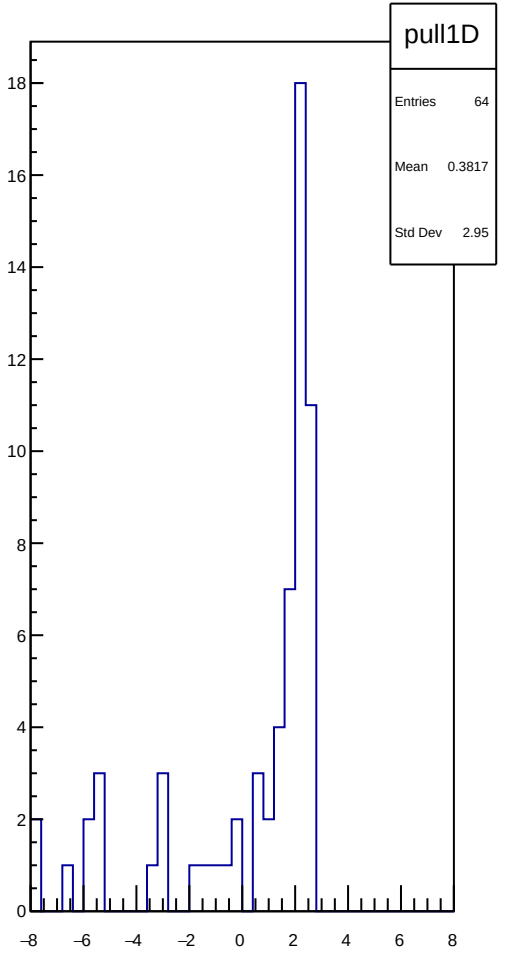

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.4 / 63
p0 10.56 ± 0.9404
pull
Entries 64
Mean −411.4
Std Dev 0

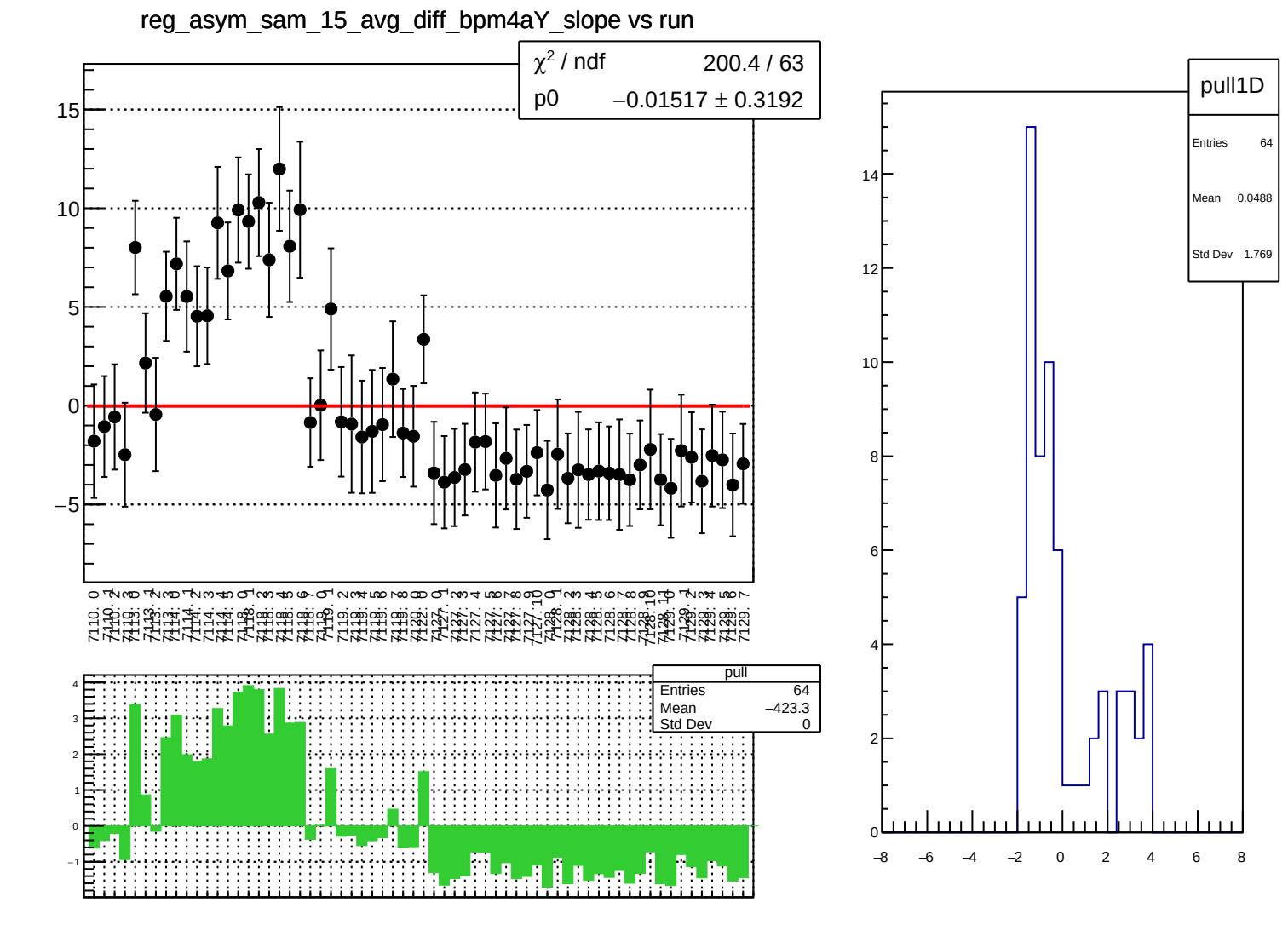

pull1D
Entries 64
Mean 0.01888
Std Dev 1.141

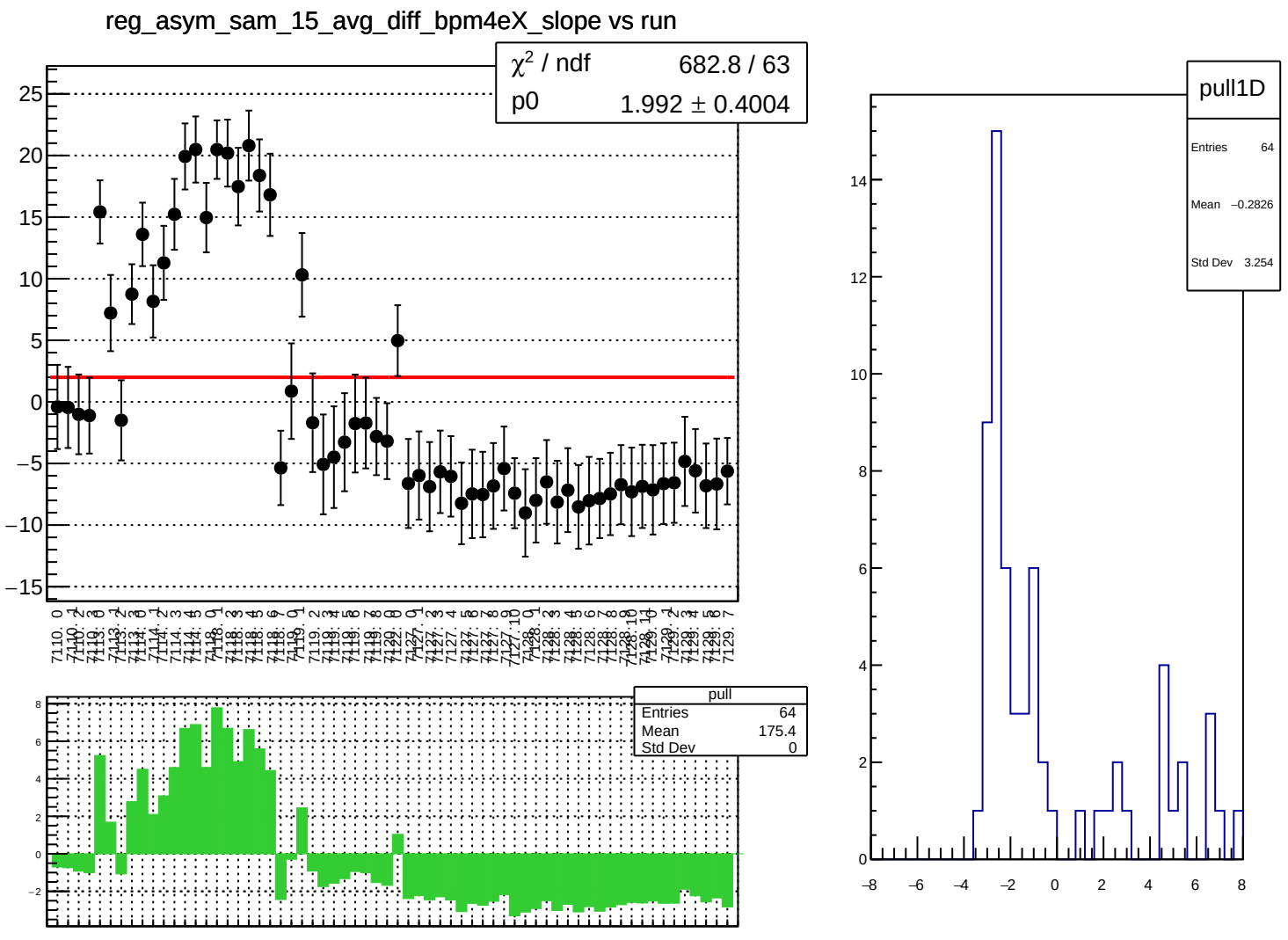

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 27.75 / 63
p0 −19.19 ± 0.04189
pull
Entries 64
Mean 167.8
Std Dev 0

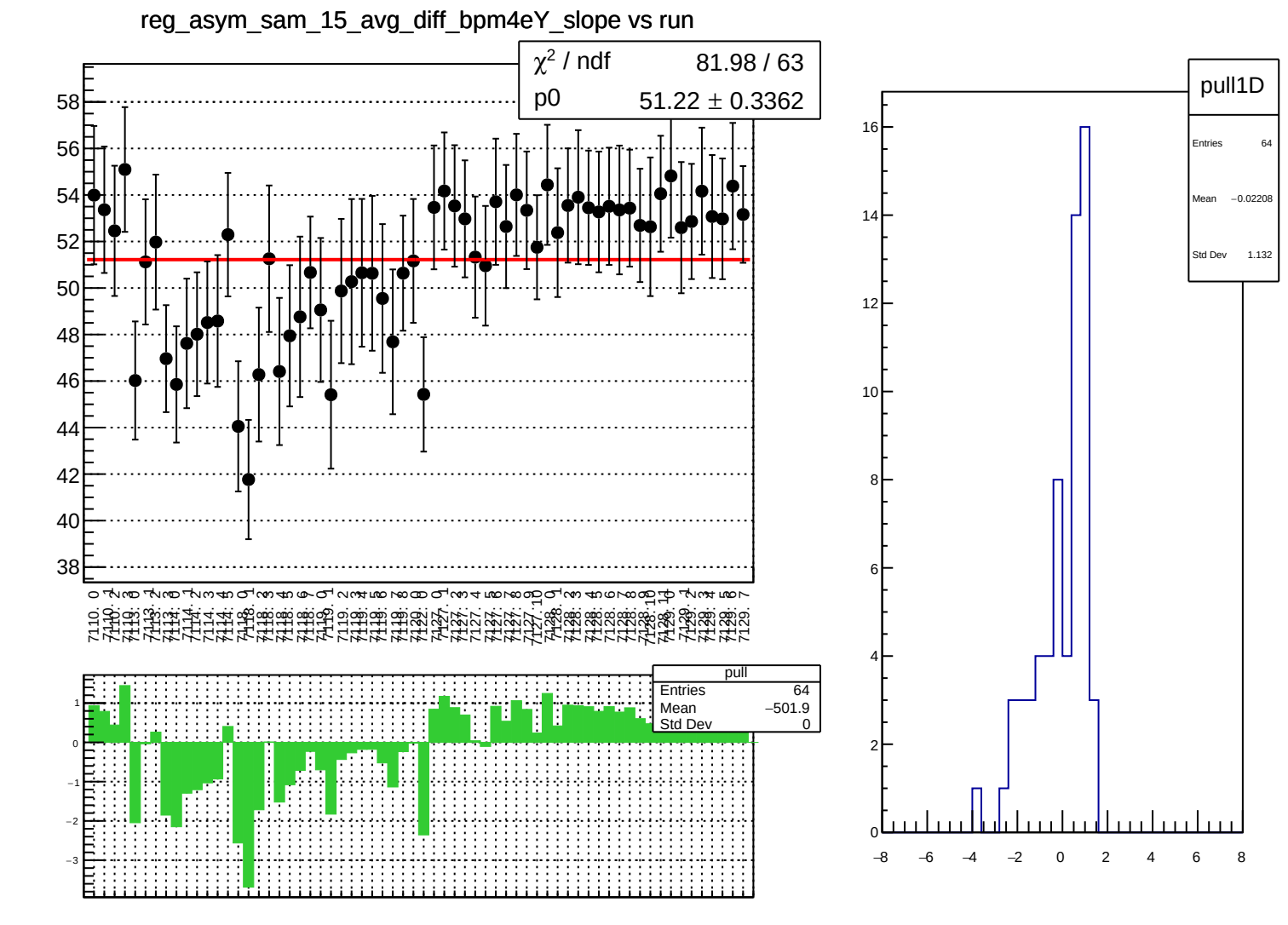

pull1D
Entries 64
Mean 0.009561
Std Dev 0.6584

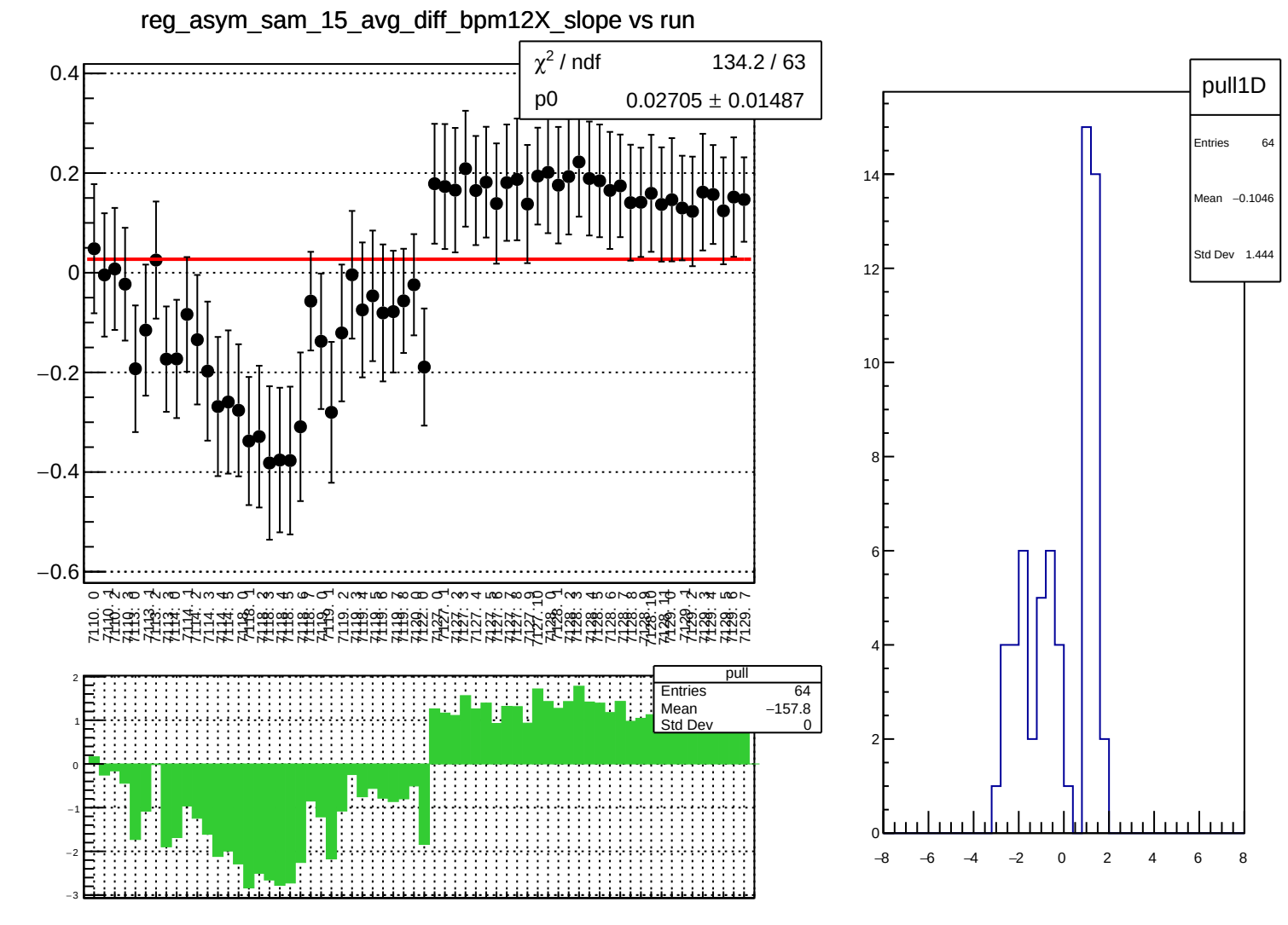

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 631.7 / 63
p0 −8.641 ± 0.4029
pull
Entries 64
Mean 160.6
Std Dev 0

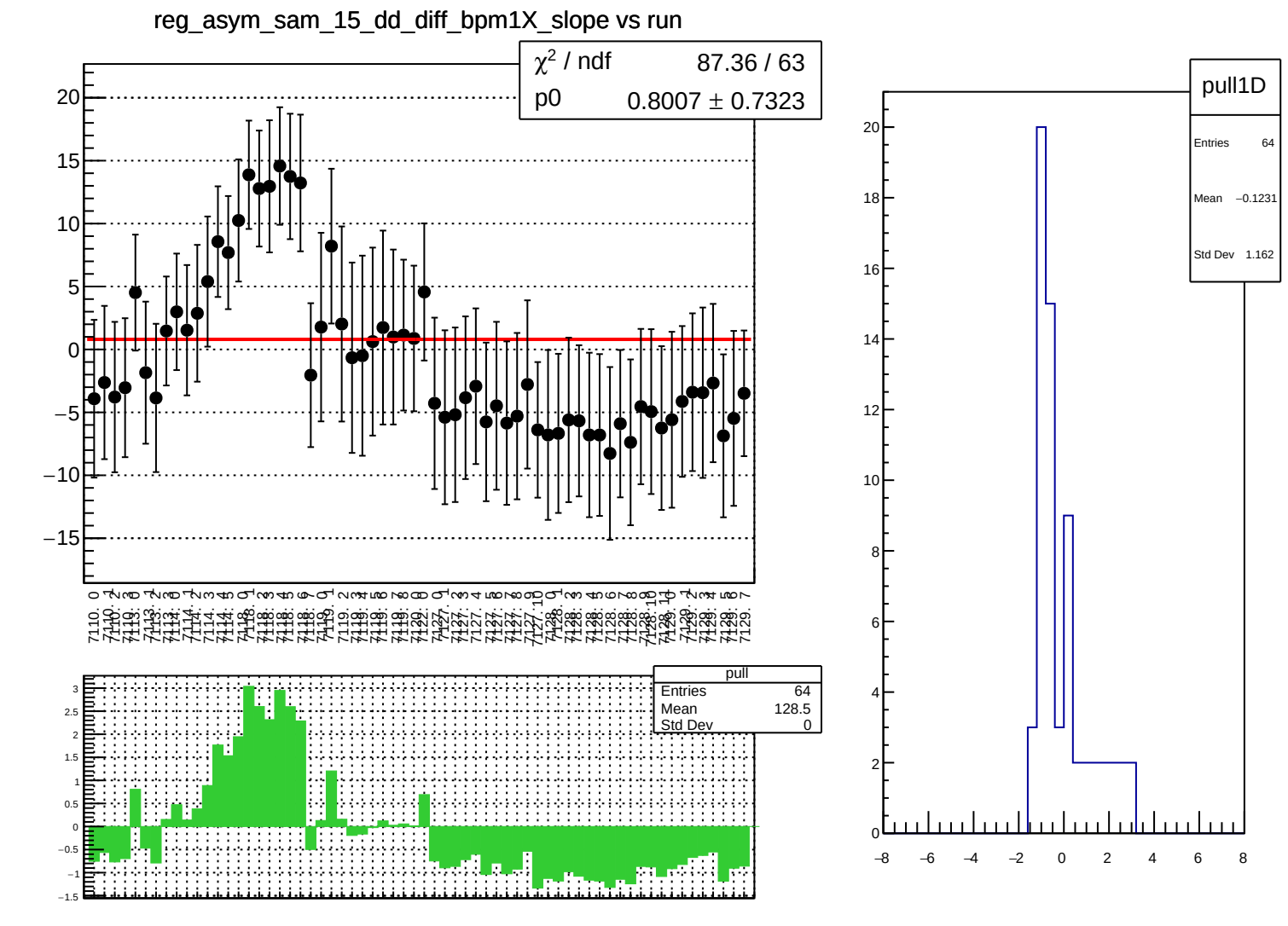

pull1D
Entries 64
Mean 0.3817
Std Dev 2.95

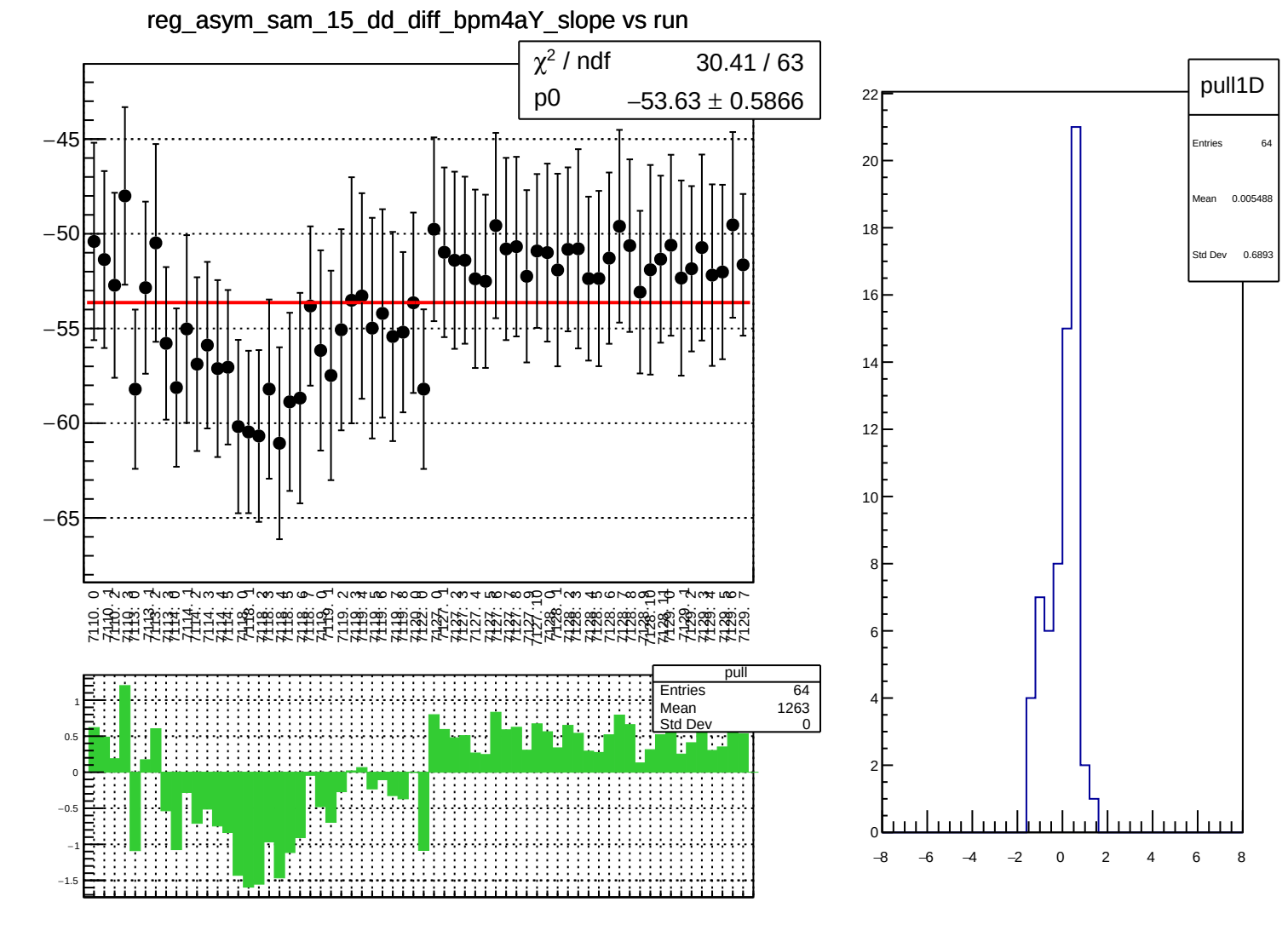

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 200.4 / 63
p0 −0.01517 ± 0.3192
pull
Entries 64
Mean −423.3
Std Dev 0
pull1D
Entries 64
Mean 0.0488
Std Dev 1.769

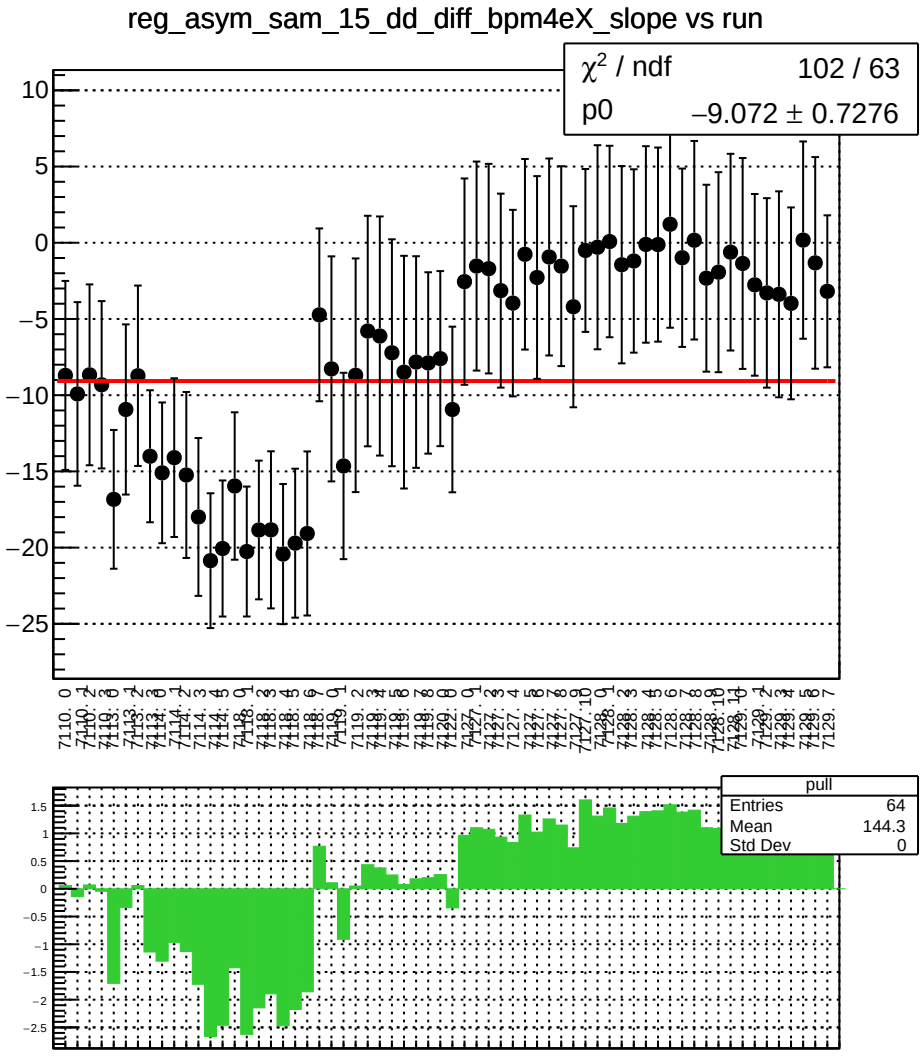

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 682.8 / 63
p0 1.992 ± 0.4004
pull
Entries 64
Mean 175.4
Std Dev 0
pull1D
Entries 64
Mean −0.2826
Std Dev 3.254

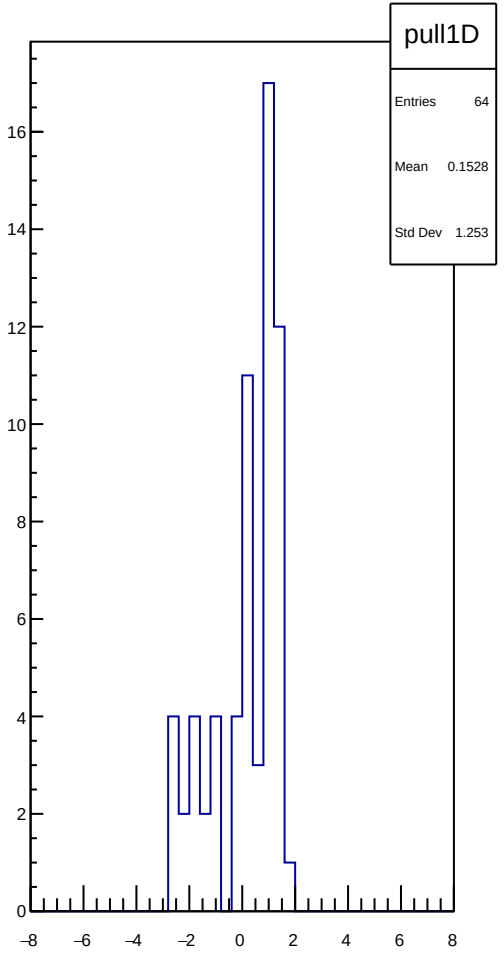

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 81.98 / 63
p0 51.22 ± 0.3362
pull
Entries 64
Mean −501.9
Std Dev 0
pull1D
Entries 64
Mean −0.02208
Std Dev 1.132

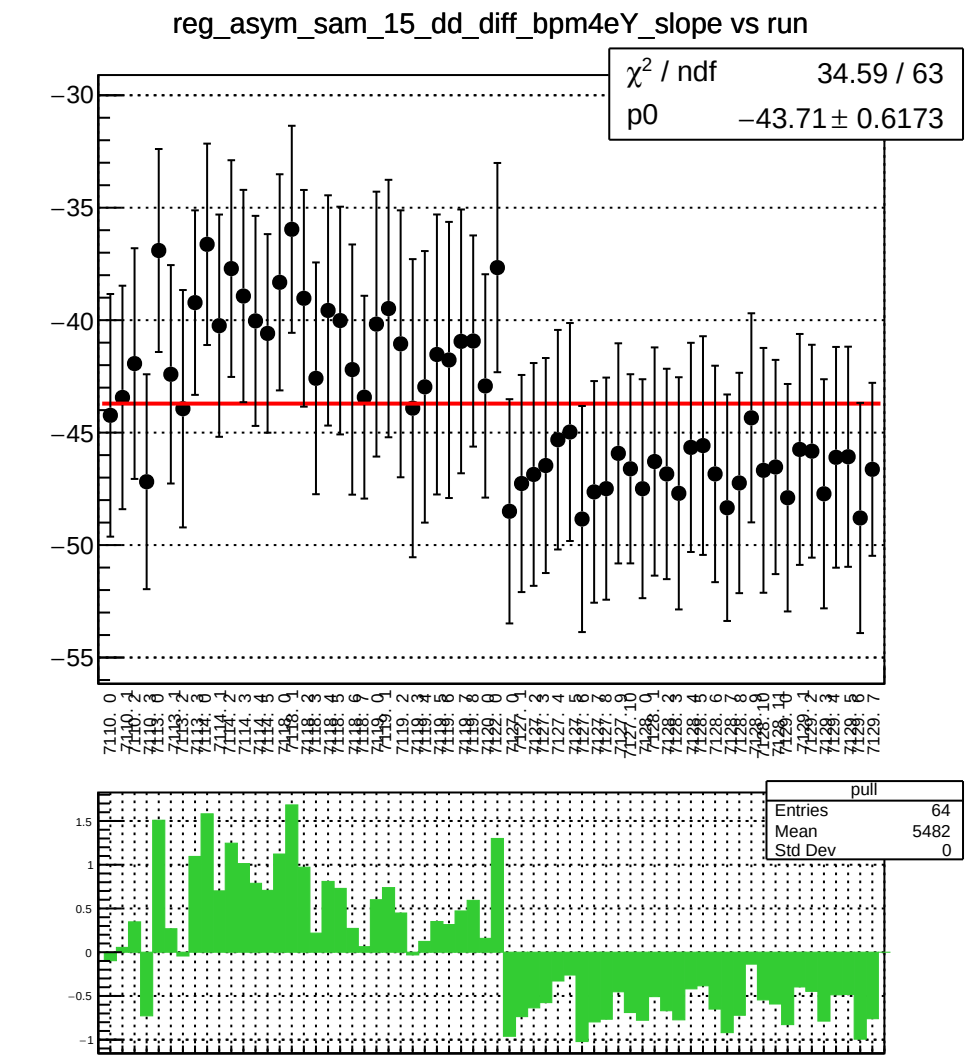

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 134.2 / 63
p0 0.02705 ± 0.01487
pull
Entries 64
Mean −157.8
Std Dev 0
pull1D
Entries 64
Mean −0.1046
Std Dev 1.444

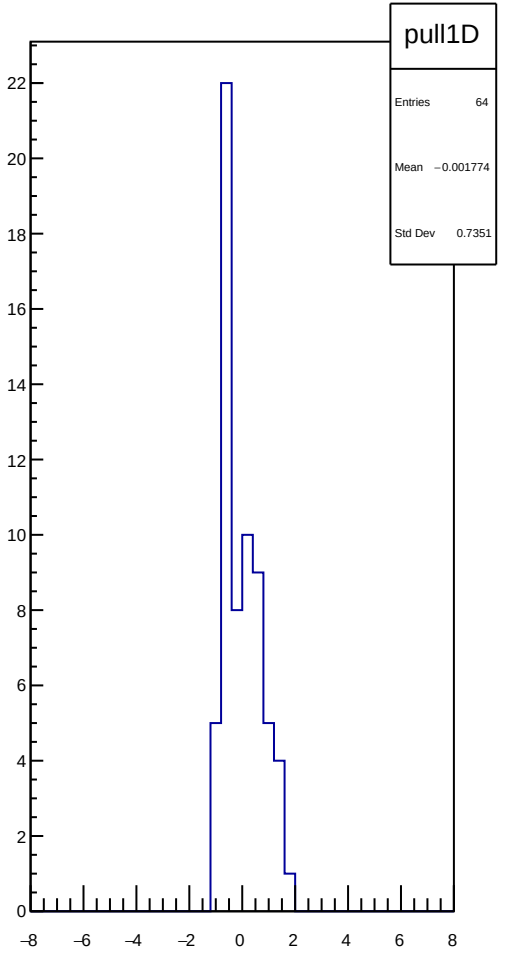

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 87.36 / 63
p0 0.8007 ± 0.7323
pull
Entries 64
Mean 128.5
Std Dev 0
pull1D
Entries 64
Mean −0.1231
Std Dev 1.162

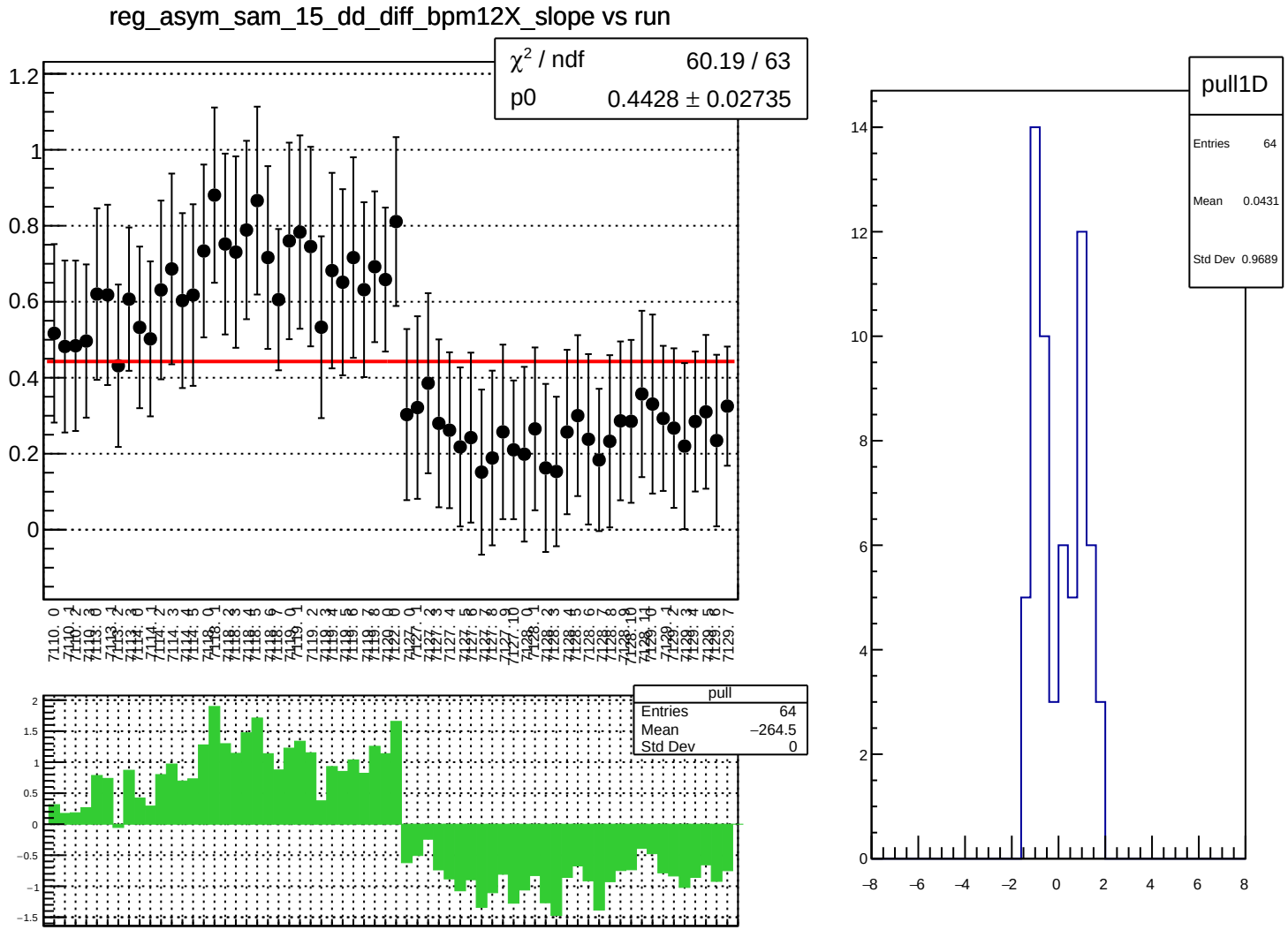

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.41 / 63
p0 −53.63 ± 0.5866
pull
Entries 64
Mean 1263
Std Dev 0
pull1D
Entries 64
Mean 0.005488
Std Dev 0.6893

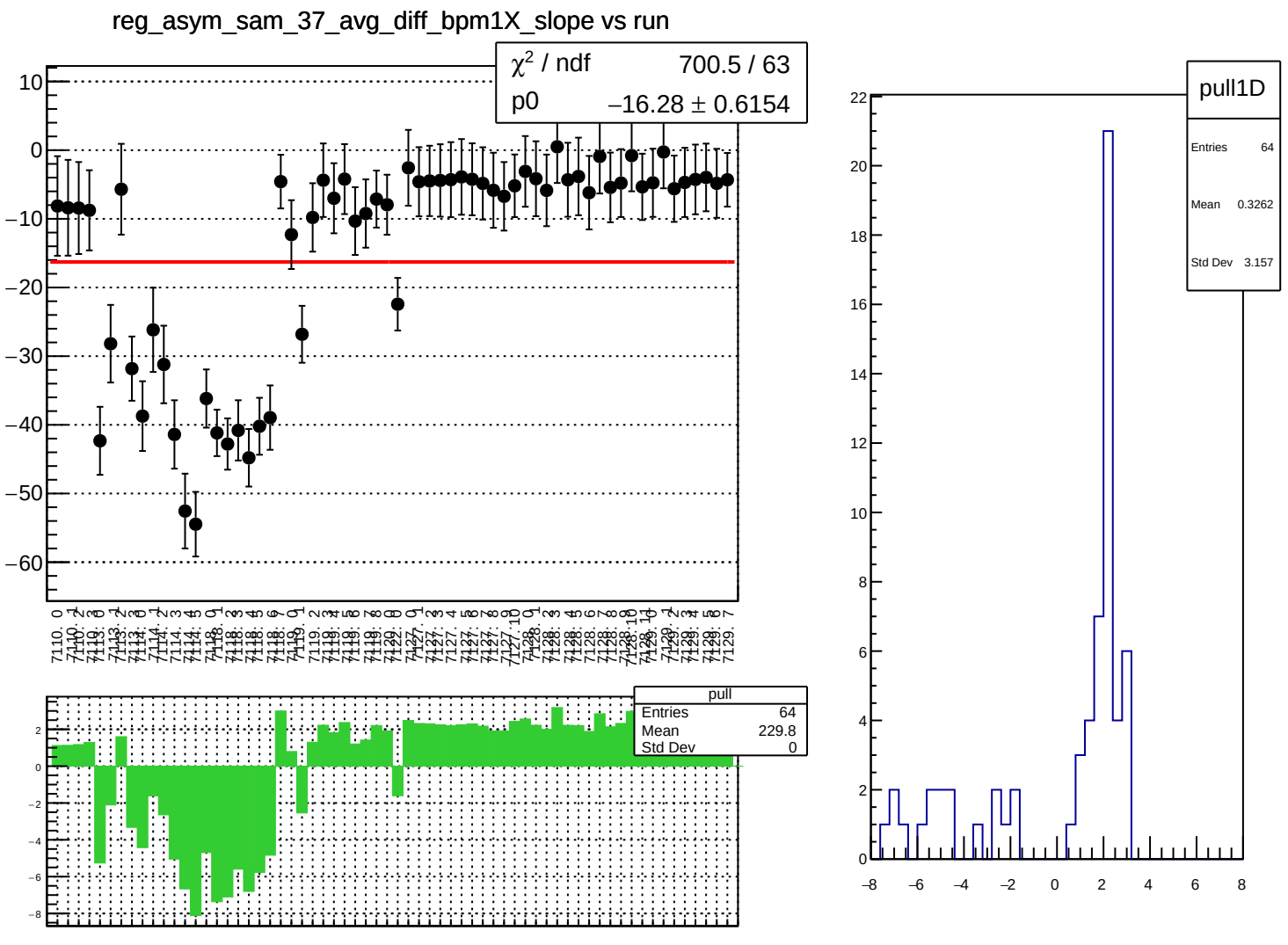

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 102 / 63
p0 −9.072 ± 0.7276
pull
Entries 64
Mean 144.3
Std Dev 0

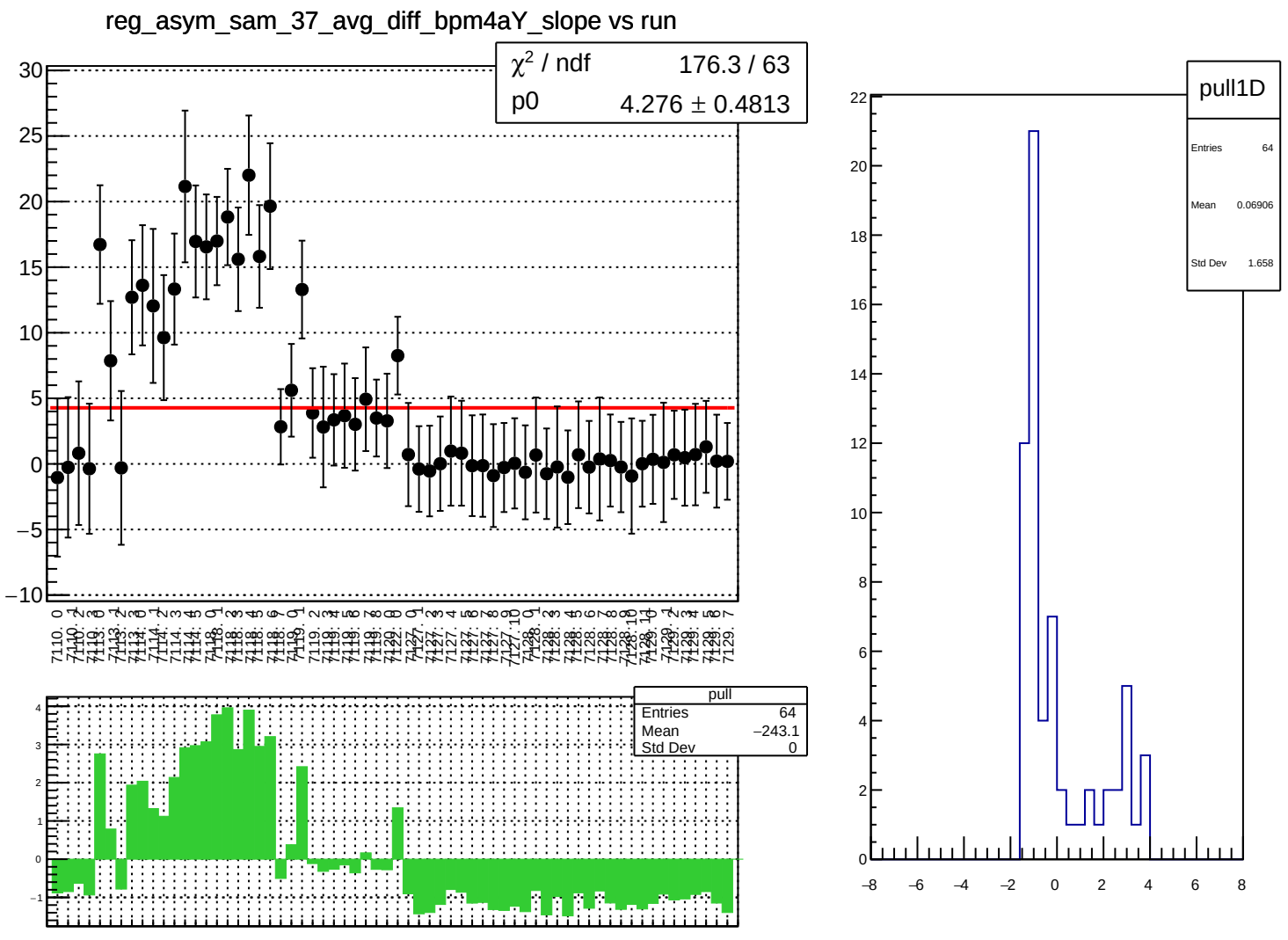

pull1D
Entries 64
Mean 0.1528
Std Dev 1.253

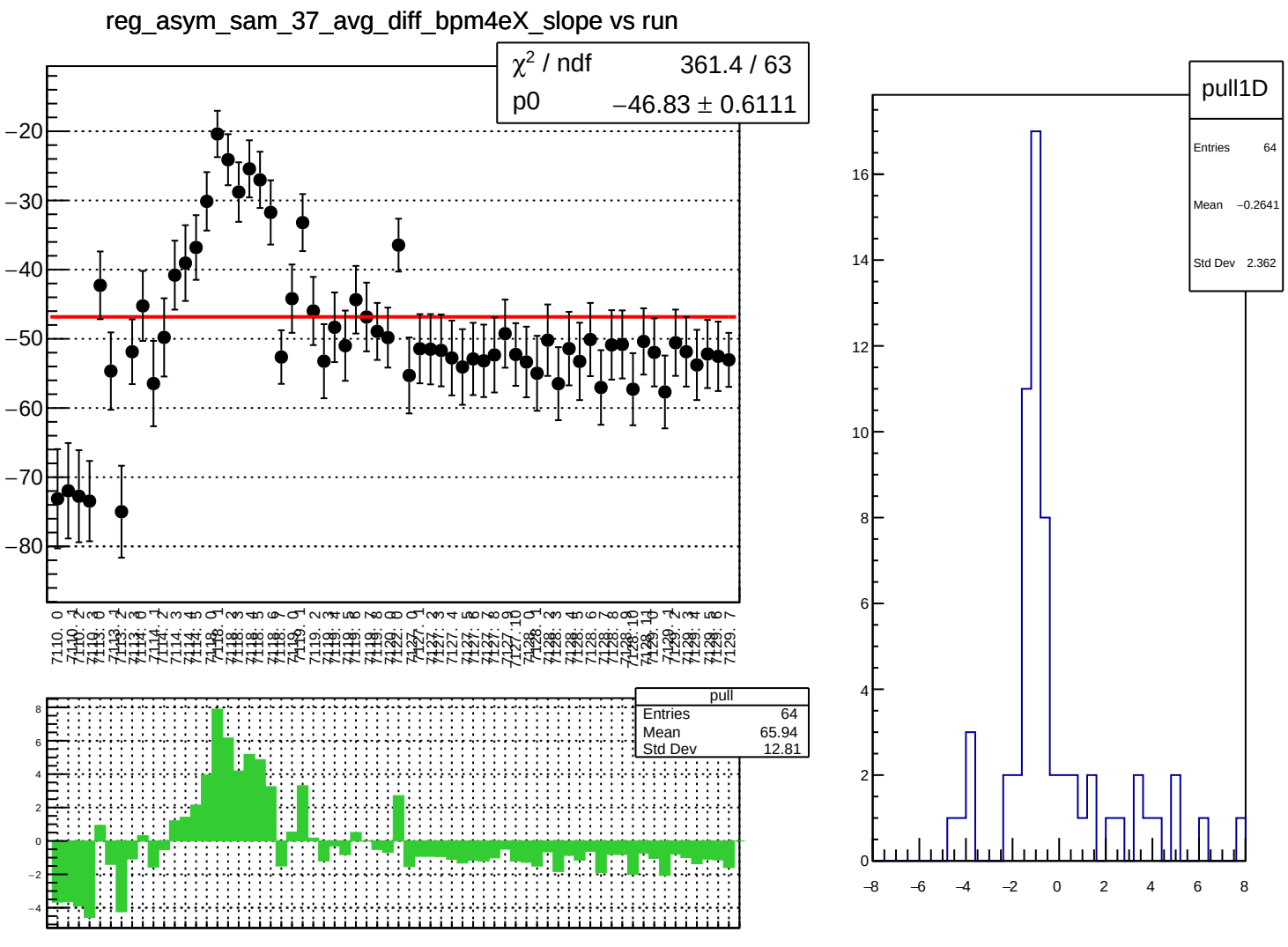

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.59 / 63
p0 −43.71 ± 0.6173
pull
Entries 64
Mean 5482
Std Dev 0

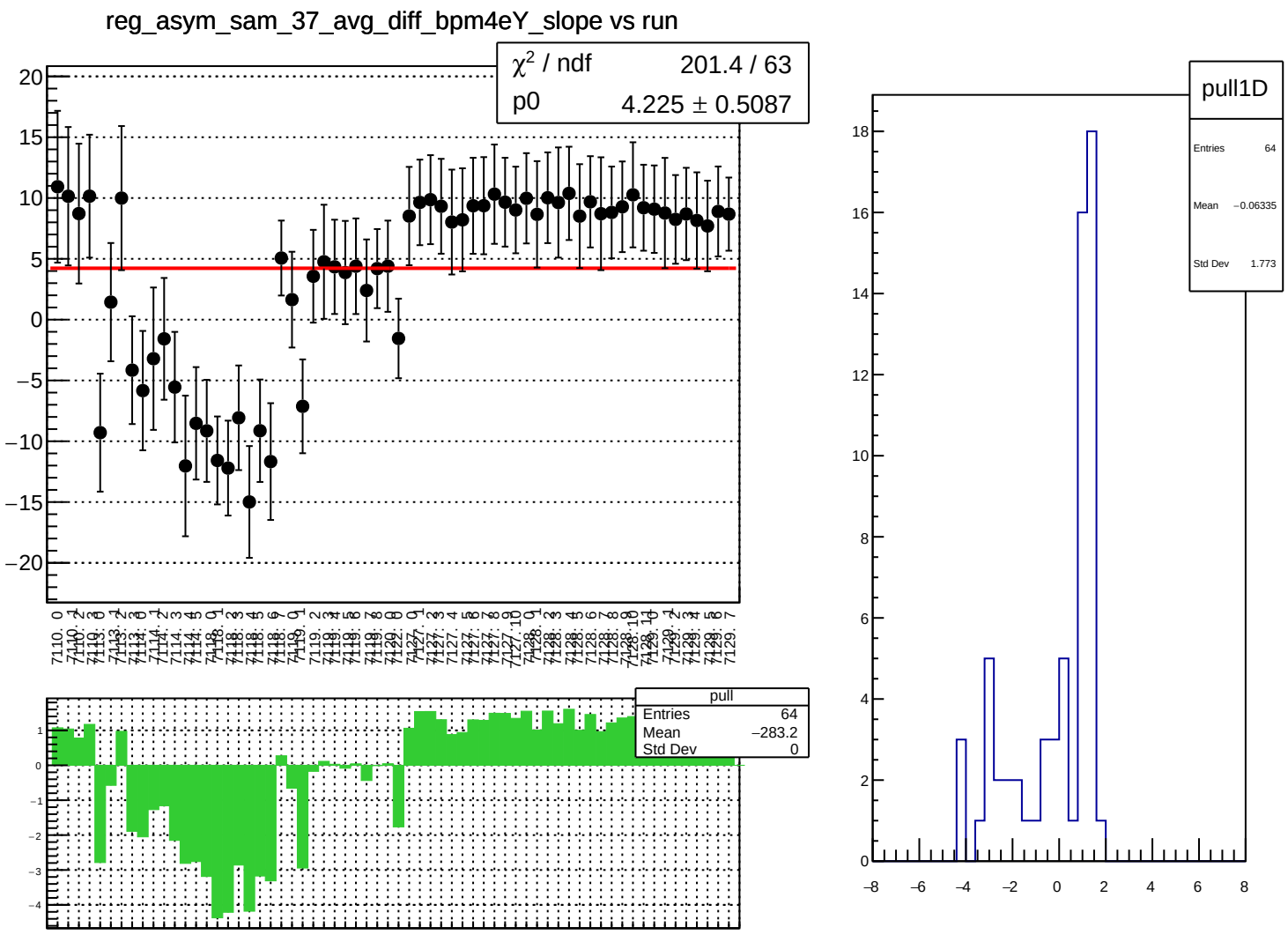

pull1D
Entries 64
Mean −0.001774
Std Dev 0.7351

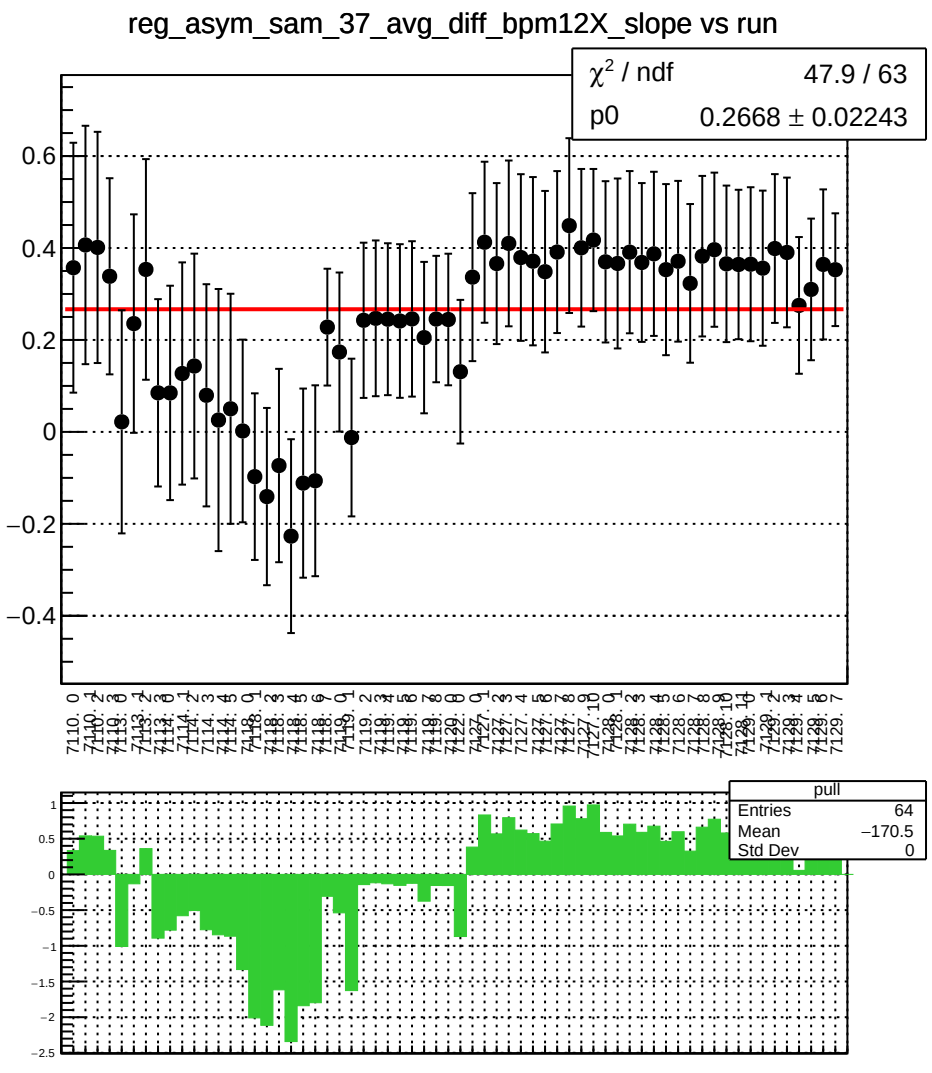

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 60.19 / 63
p0 0.4428 ± 0.02735
pull
Entries 64
Mean −264.5
Std Dev 0
pull1D
Entries 64
Mean 0.0431
Std Dev 0.9689

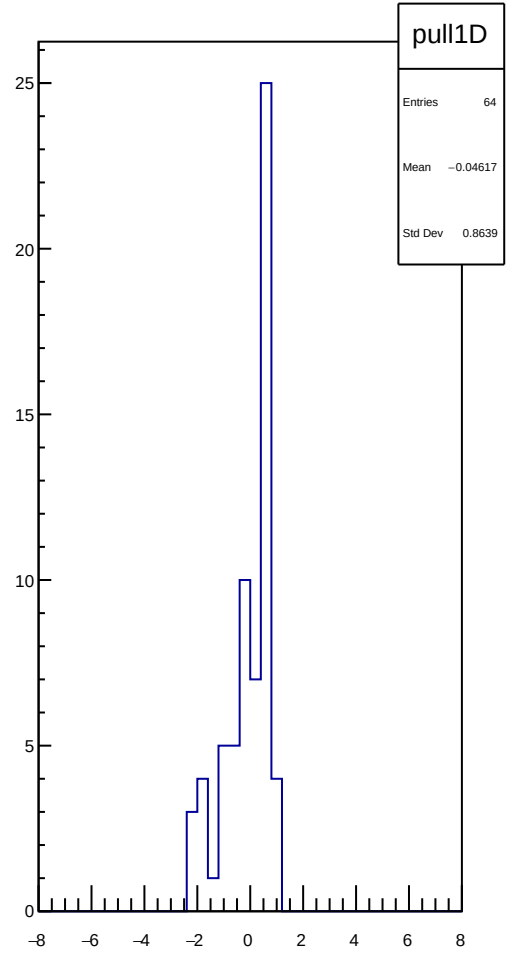

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 700.5 / 63
p0 −16.28 ± 0.6154
pull
Entries 64
Mean 229.8
Std Dev 0
pull1D
Entries 64
Mean 0.3262
Std Dev 3.157

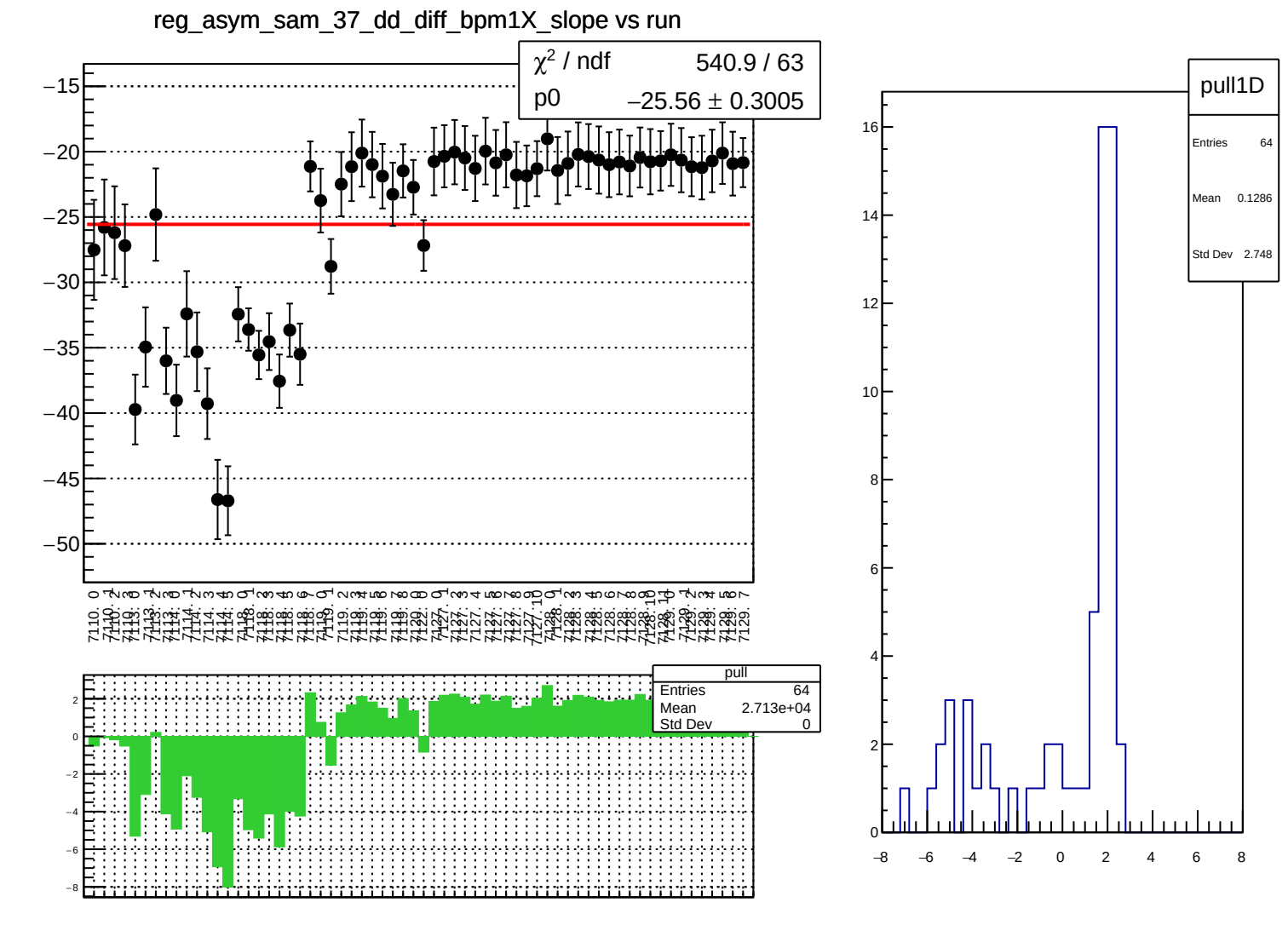

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 176.3 / 63
p0 4.276 ± 0.4813
pull
Entries 64
Mean −243.1
Std Dev 0
pull1D
Entries 64
Mean 0.06906
Std Dev 1.658

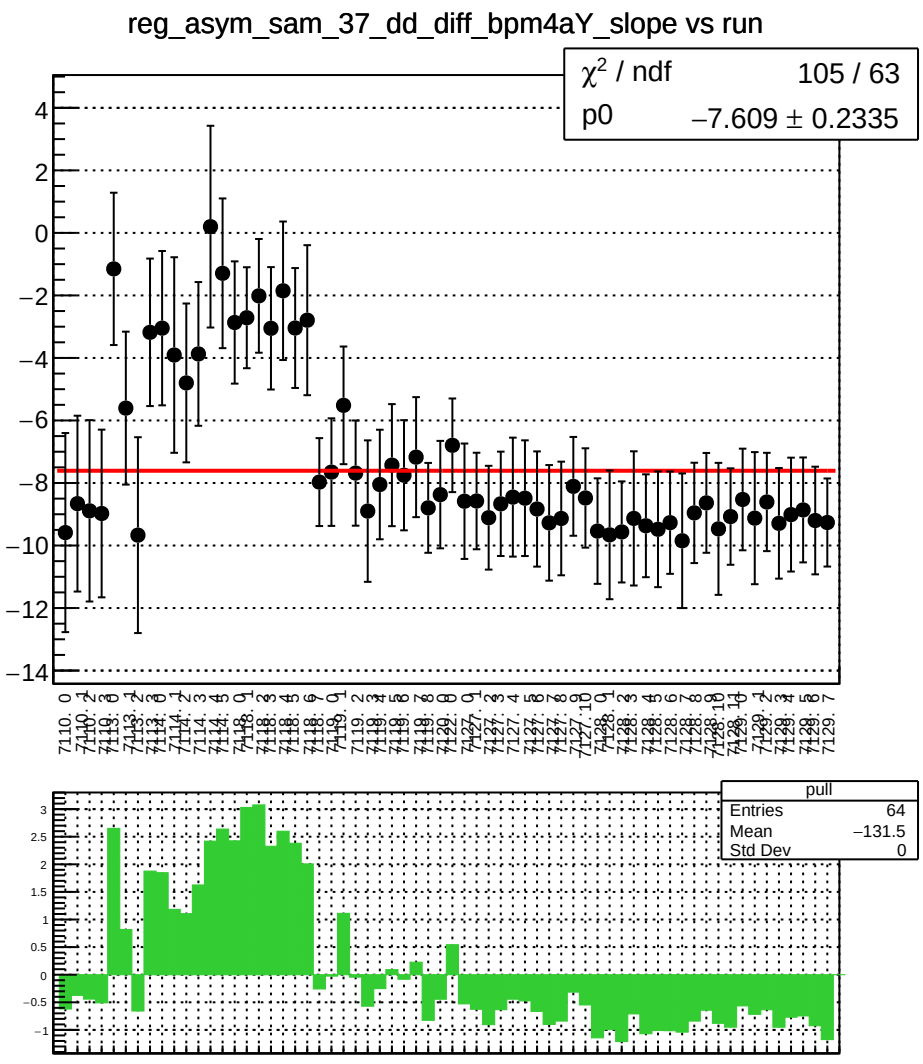

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 361.4 / 63
p0 −46.83 ± 0.6111
pull
Entries 64
Mean 65.94
Std Dev 12.81
pull1D
Entries 64
Mean −0.2641
Std Dev 2.362

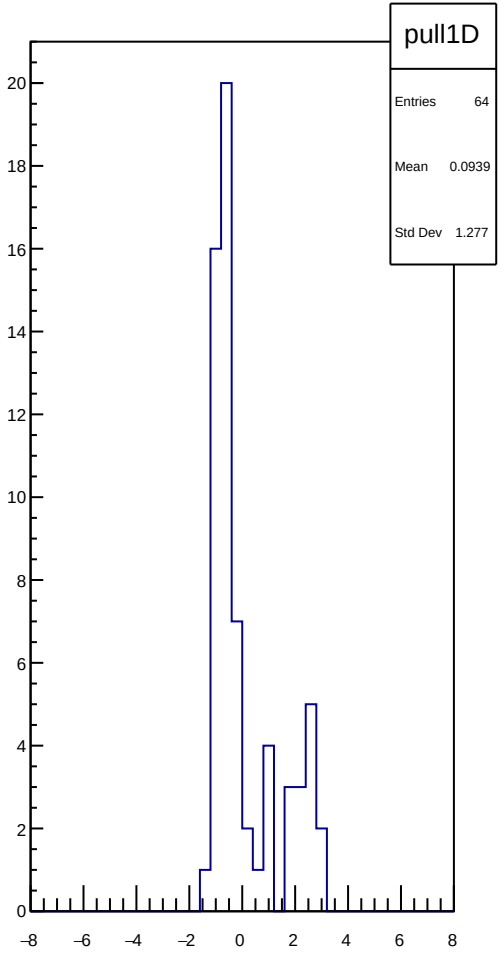

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 201.4 / 63
p0 4.225 ± 0.5087
pull
Entries 64
Mean −283.2
Std Dev 0
pull1D
Entries 64
Mean −0.06335
Std Dev 1.773

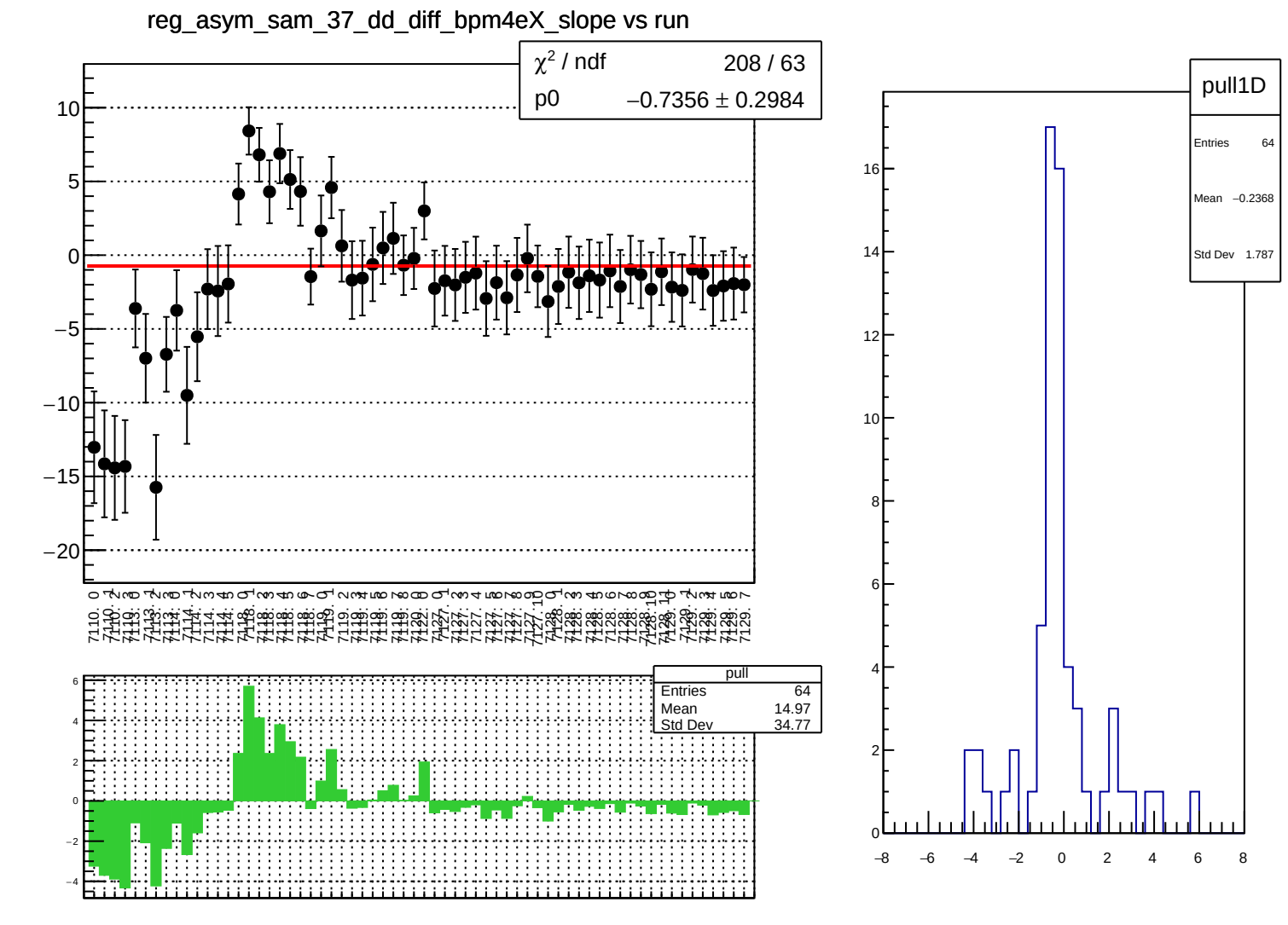

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 47.9 / 63
p0 0.2668 ± 0.02243
pull
Entries 64
Mean −170.5
Std Dev 0

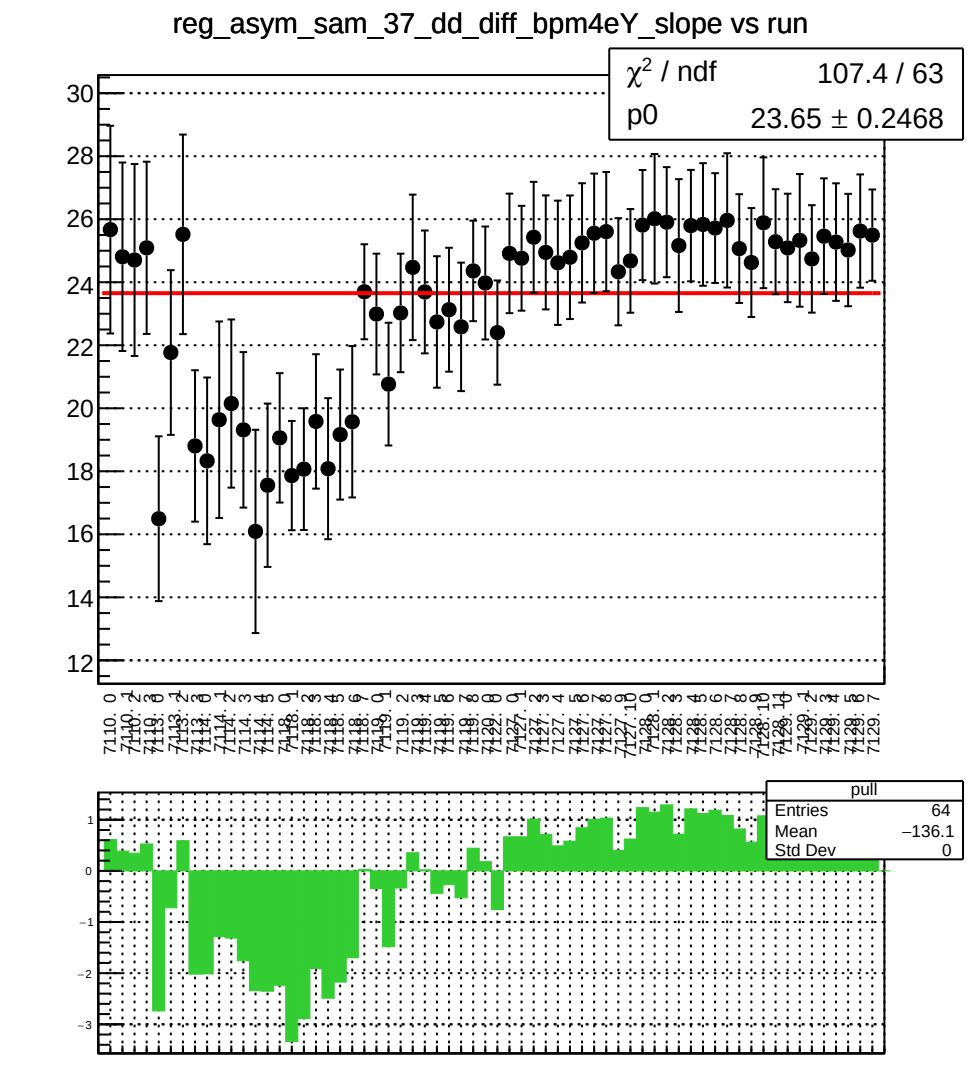

pull1D
Entries 64
Mean −0.04617
Std Dev 0.8639

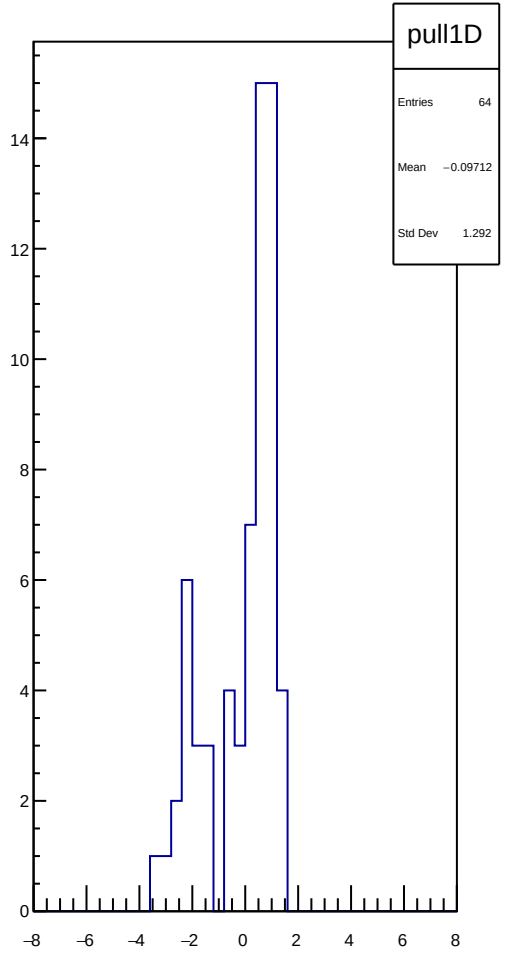

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 540.9 / 63
p0 −25.56 ± 0.3005
pull
Entries 64
Mean 2.713e+04
Std Dev 0
pull1D
Entries 64
Mean 0.1286
Std Dev 2.748

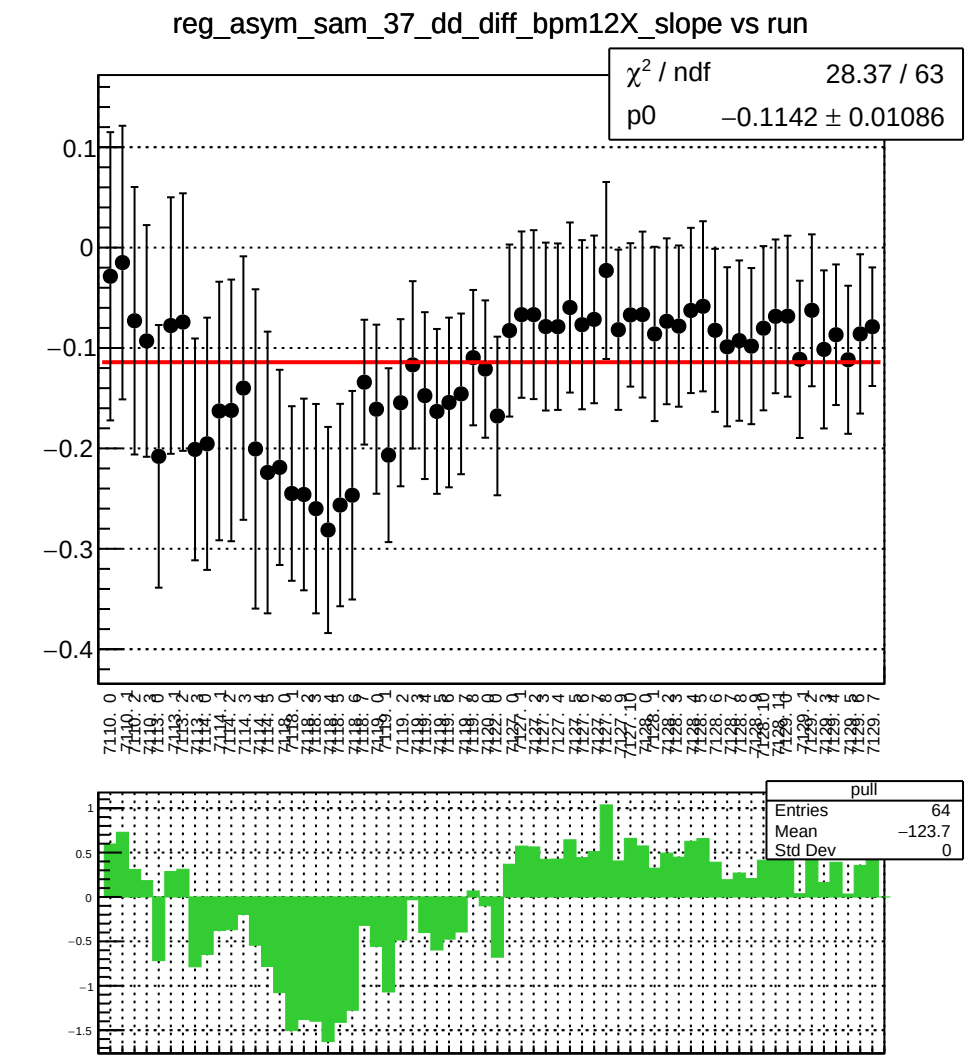

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 105 / 63
p0 −7.609 ± 0.2335
pull
Entries 64
Mean −131.5
Std Dev 0

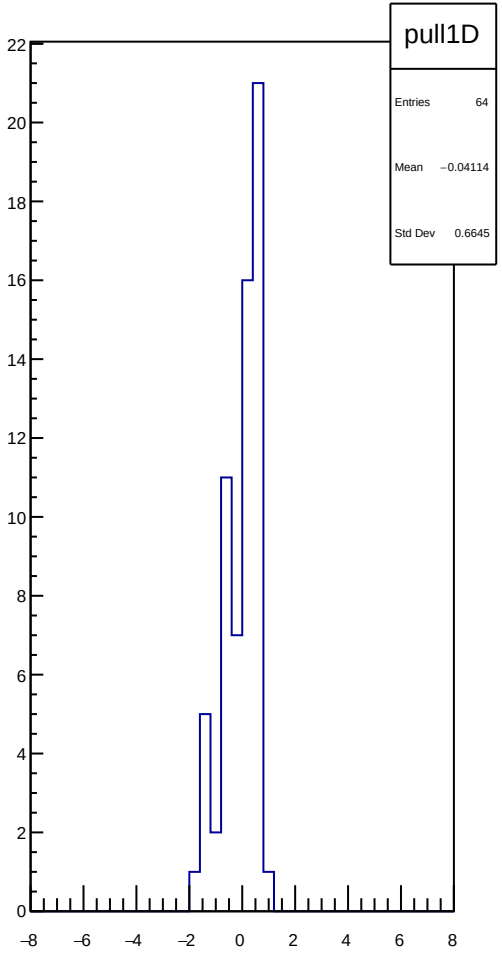

pull1D
Entries 64
Mean 0.0939
Std Dev 1.277

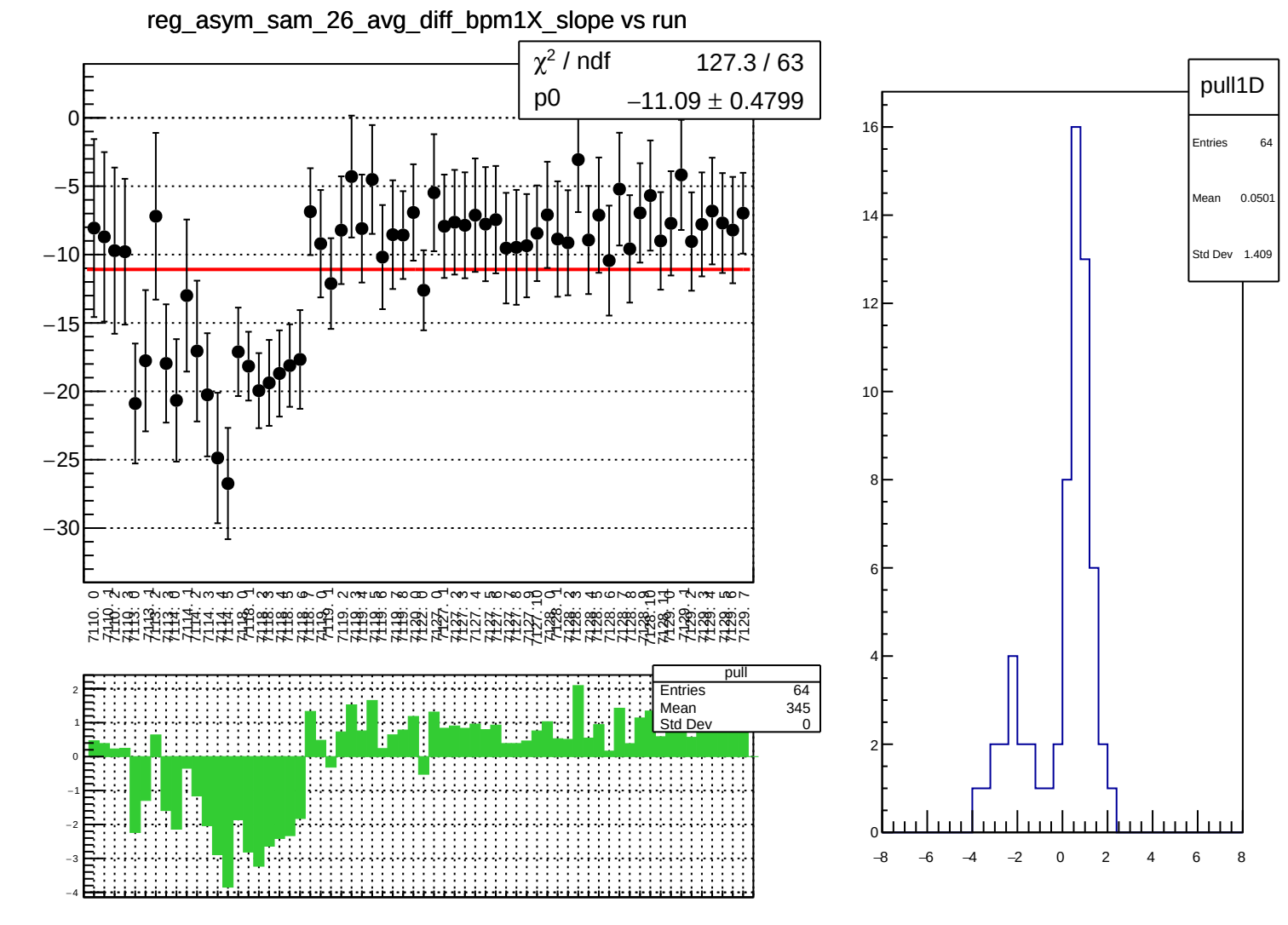

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 208 / 63
p0 −0.7356 ± 0.2984
pull
Entries 64
Mean 14.97
Std Dev 34.77
pull1D
Entries 64
Mean −0.2368
Std Dev 1.787

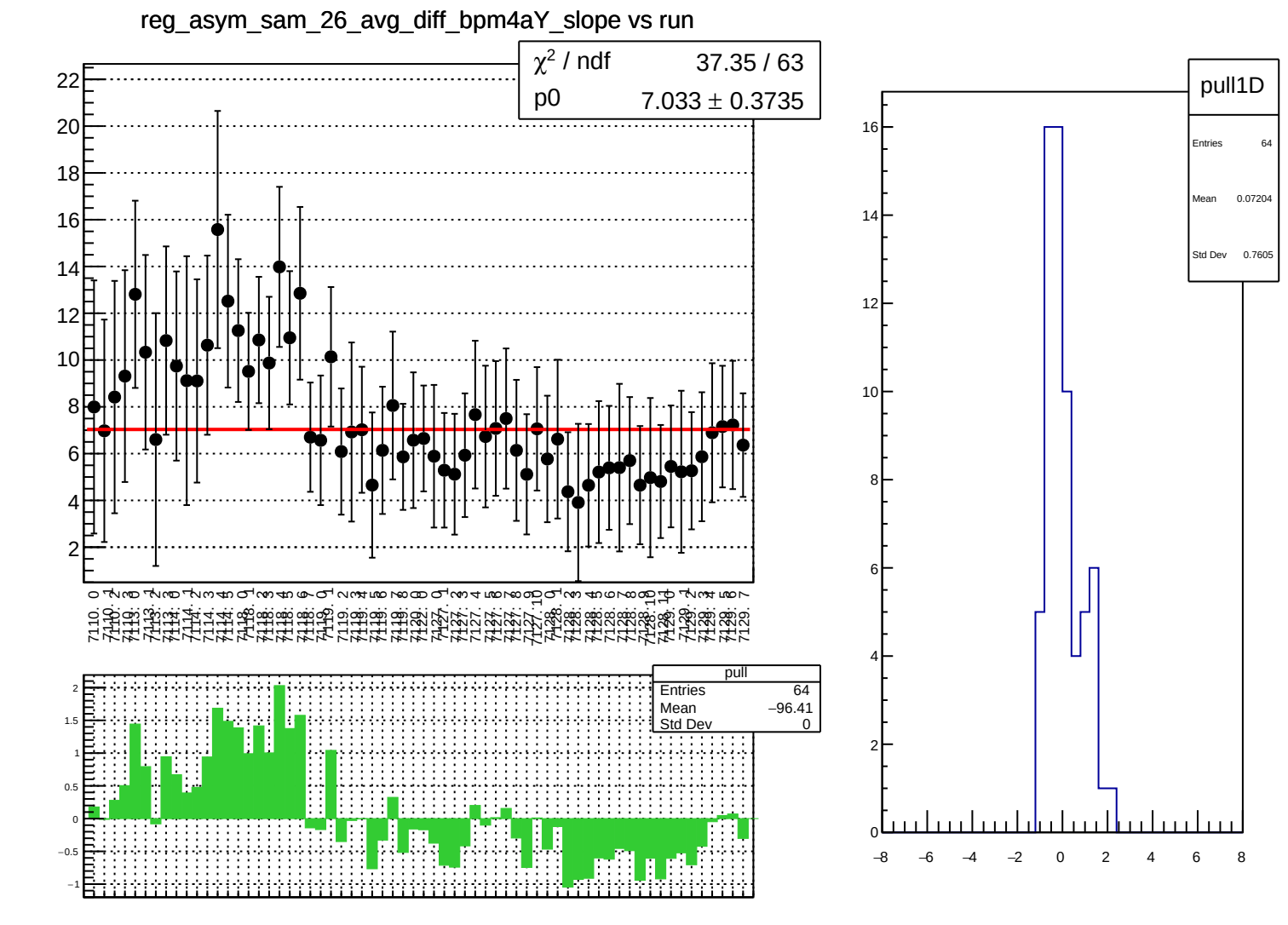

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.4 / 63
p0 23.65 ± 0.2468
pull
Entries 64
Mean −136.1
Std Dev 0

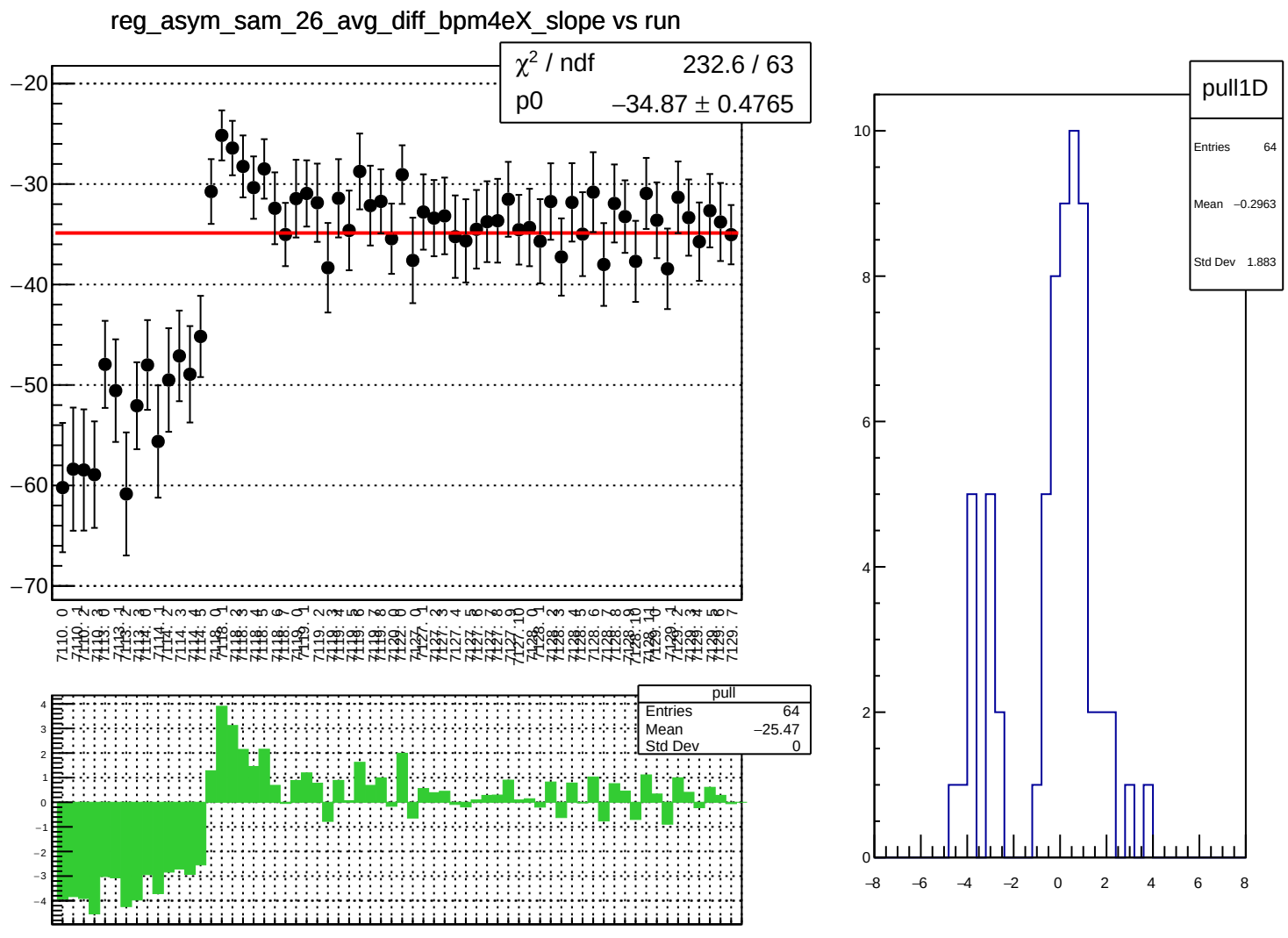

pull1D
Entries 64
Mean −0.09712
Std Dev 1.292

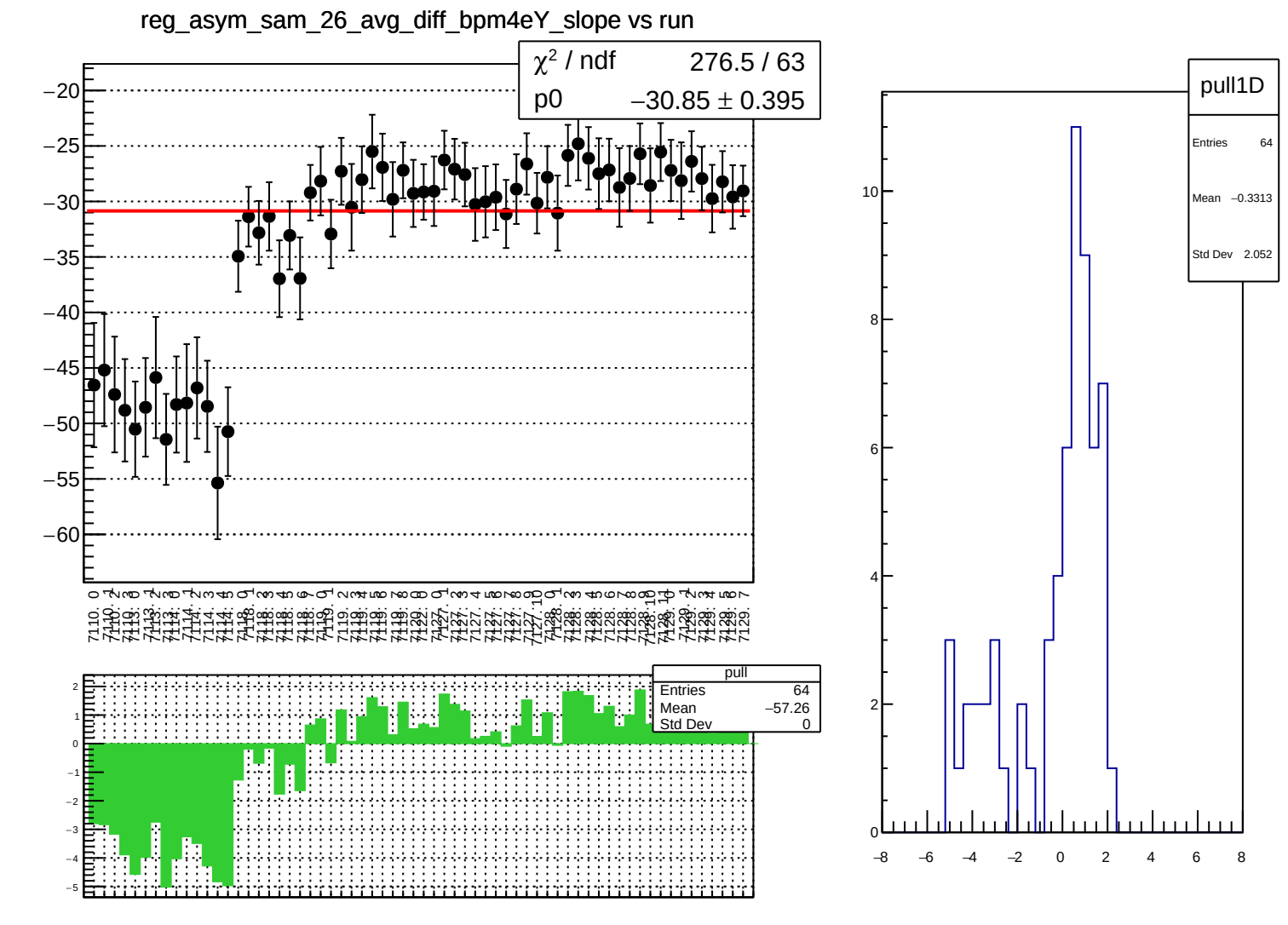

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 28.37 / 63
p0 −0.1142 ± 0.01086
pull
Entries 64
Mean −123.7
Std Dev 0

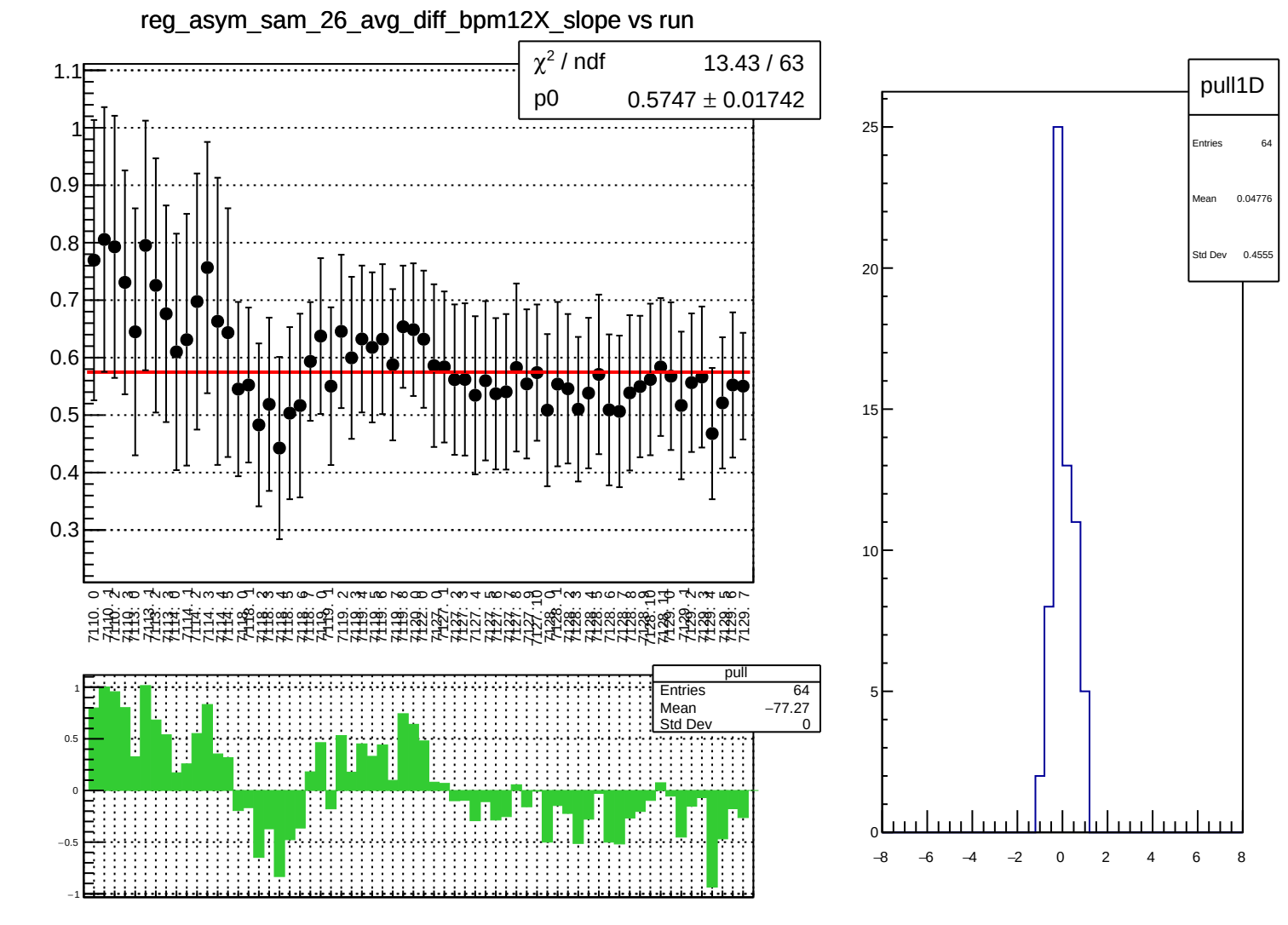

pull1D
Entries 64
Mean −0.04114
Std Dev 0.6645

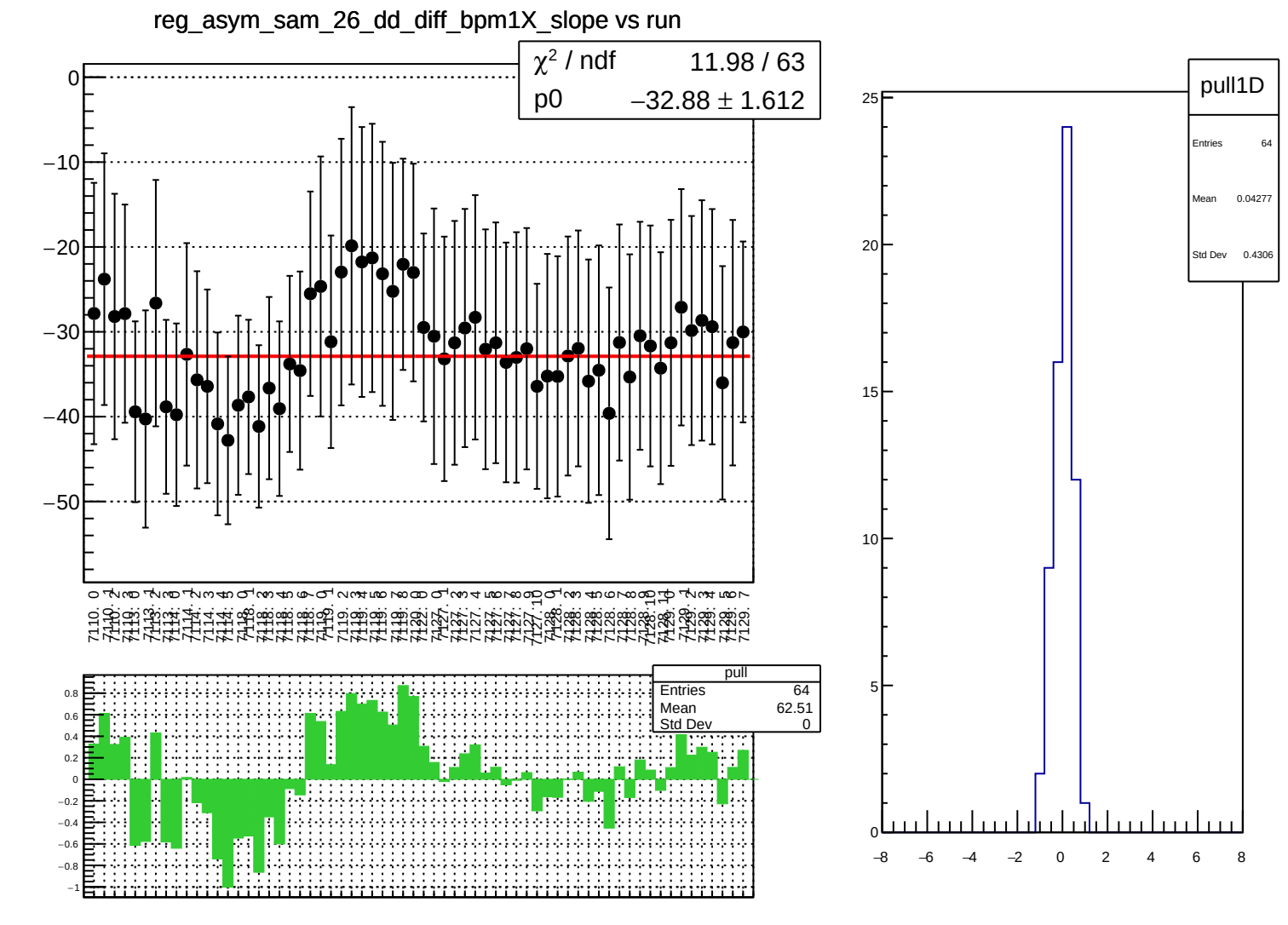

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 127.3 / 63
p0 −11.09 ± 0.4799
pull
Entries 64
Mean 345
Std Dev 0
pull1D
Entries 64
Mean 0.0501
Std Dev 1.409

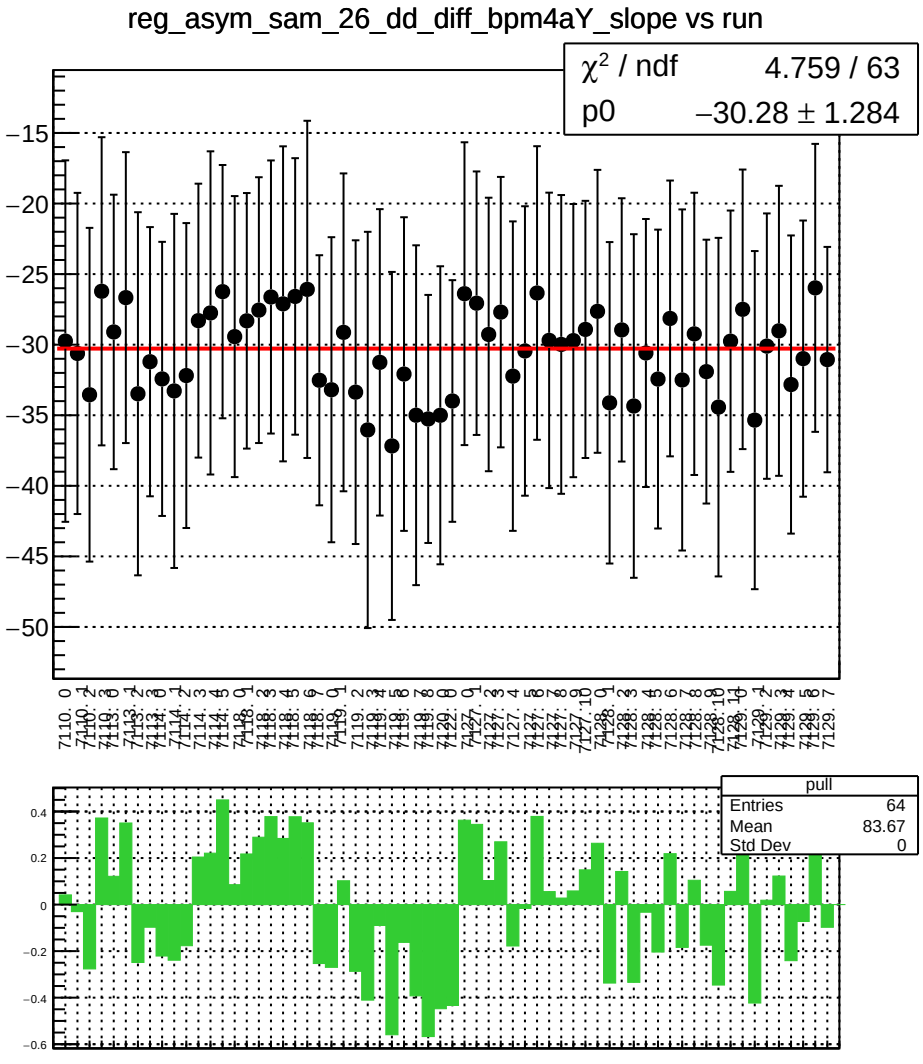

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.35 / 63
p0 7.033 ± 0.3735
pull
Entries 64
Mean −96.41
Std Dev 0
pull1D
Entries 64
Mean 0.07204
Std Dev 0.7605

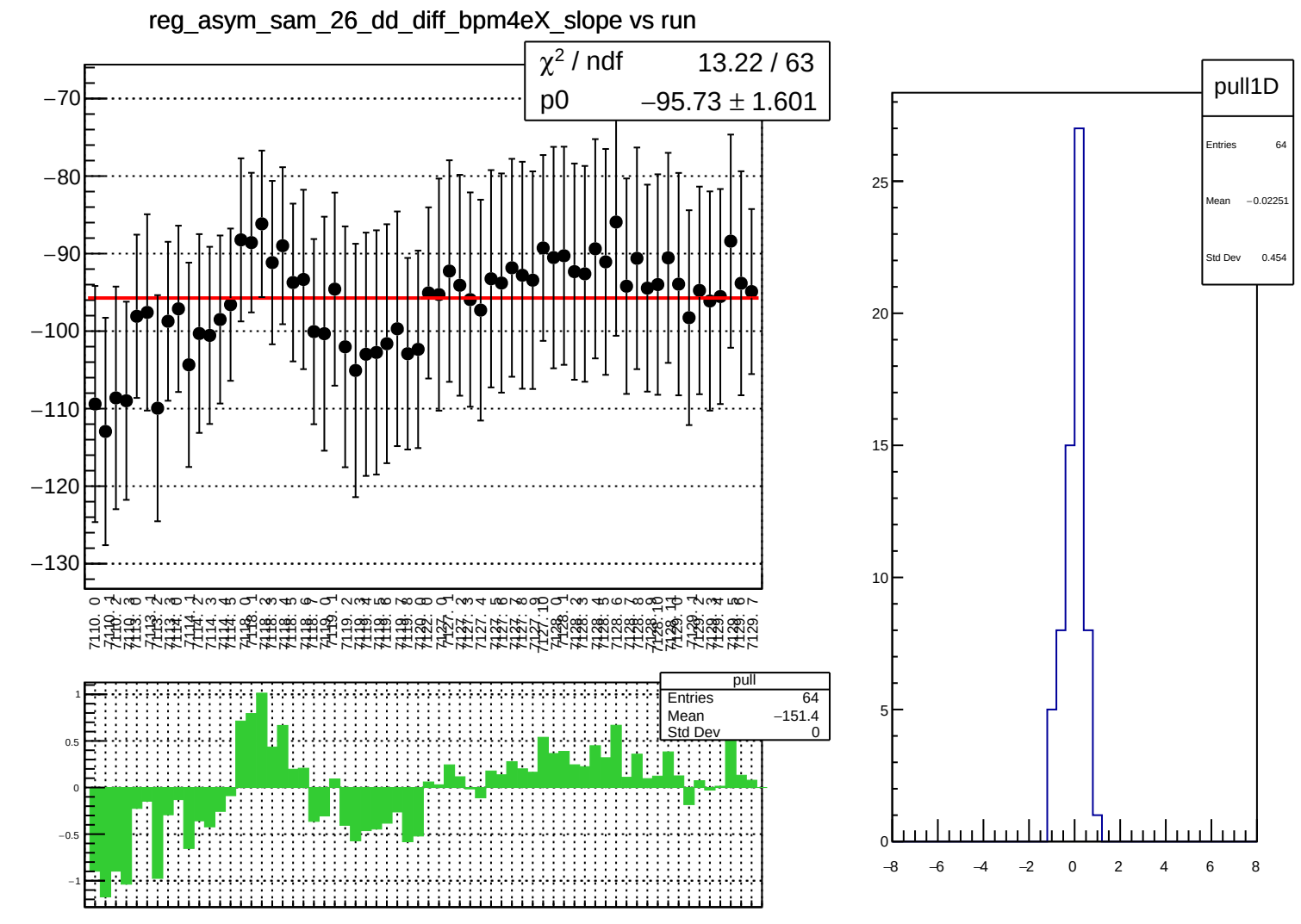

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 232.6 / 63
p0 −34.87 ± 0.4765
pull
Entries 64
Mean −25.47
Std Dev 0
pull1D
Entries 64
Mean −0.2963
Std Dev 1.883

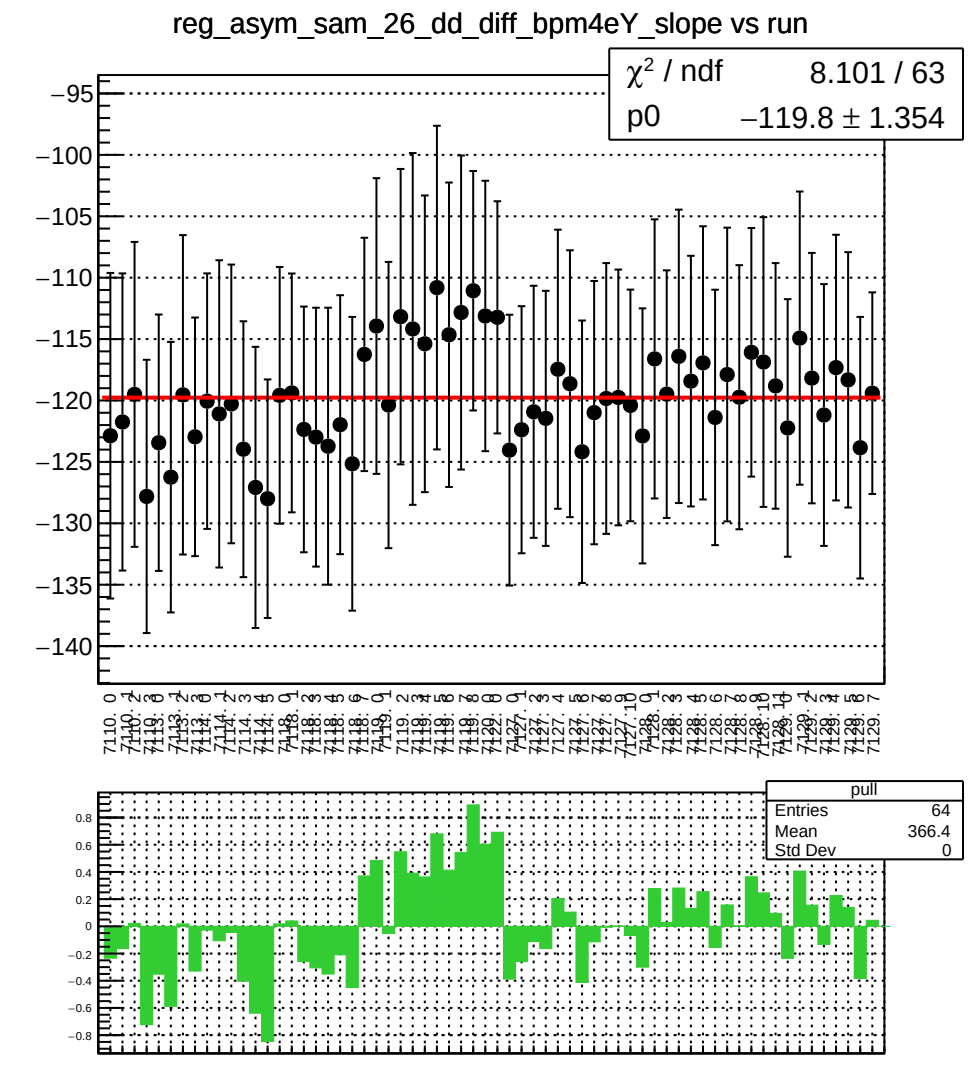

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 276.5 / 63
p0 −30.85 ± 0.395
pull
Entries 64
Mean −57.26
Std Dev 0
pull1D
Entries 64
Mean −0.3313
Std Dev 2.052

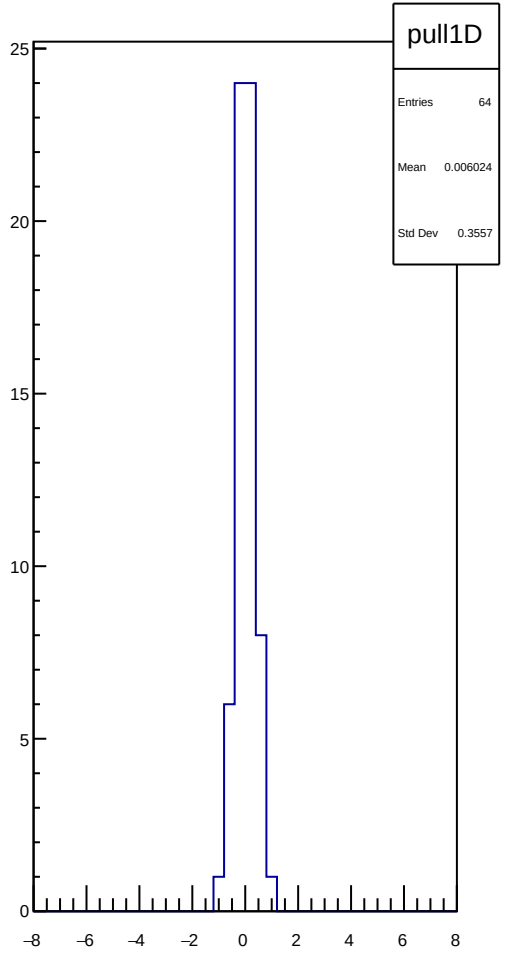

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 13.43 / 63
p0 0.5747 ± 0.01742
pull
Entries 64
Mean −77.27
Std Dev 0
pull1D
Entries 64
Mean 0.04776
Std Dev 0.4555

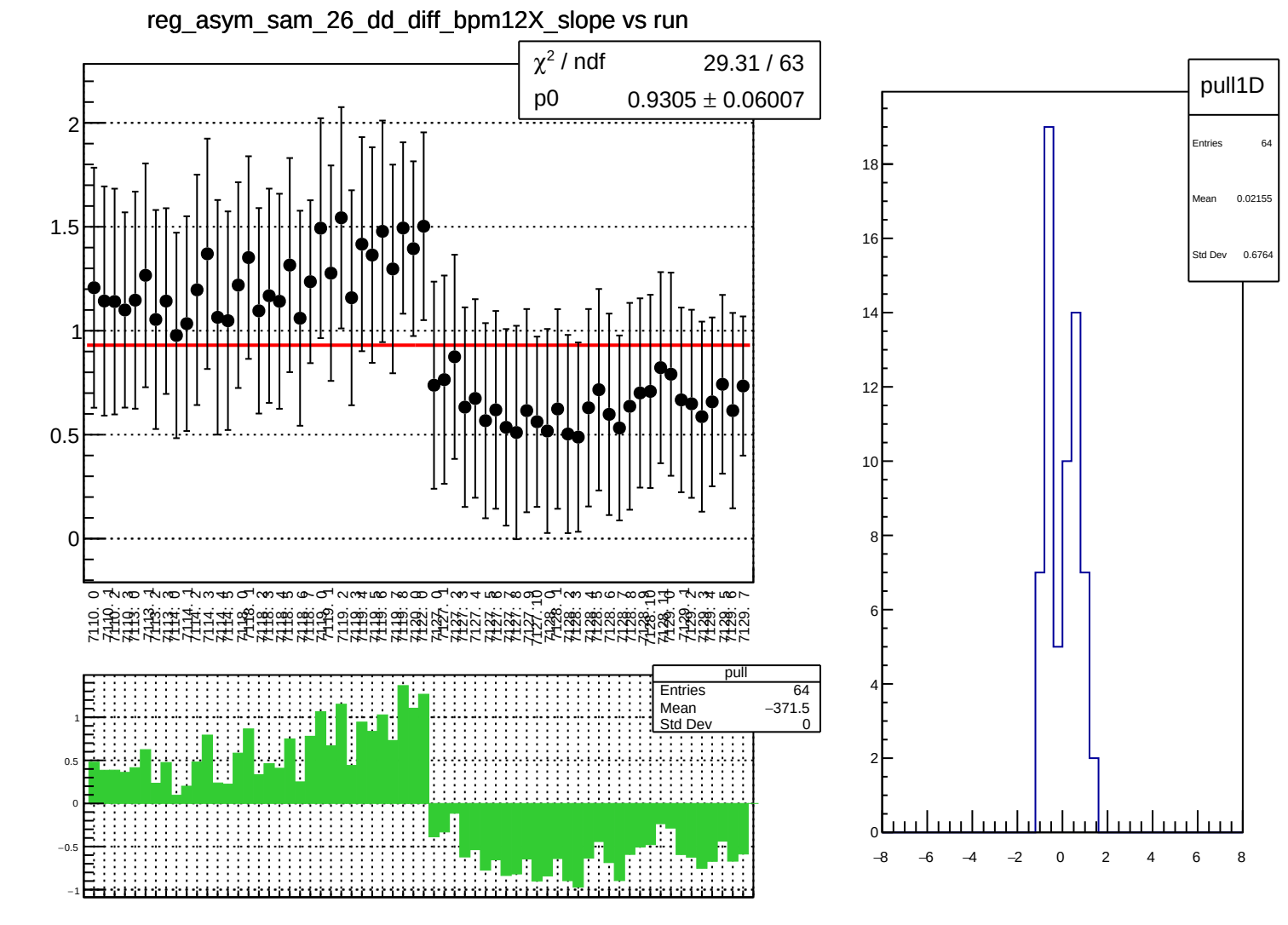

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.98 / 63
p0 −32.88 ± 1.612
pull
Entries 64
Mean 62.51
Std Dev 0
pull1D
Entries 64
Mean 0.04277
Std Dev 0.4306

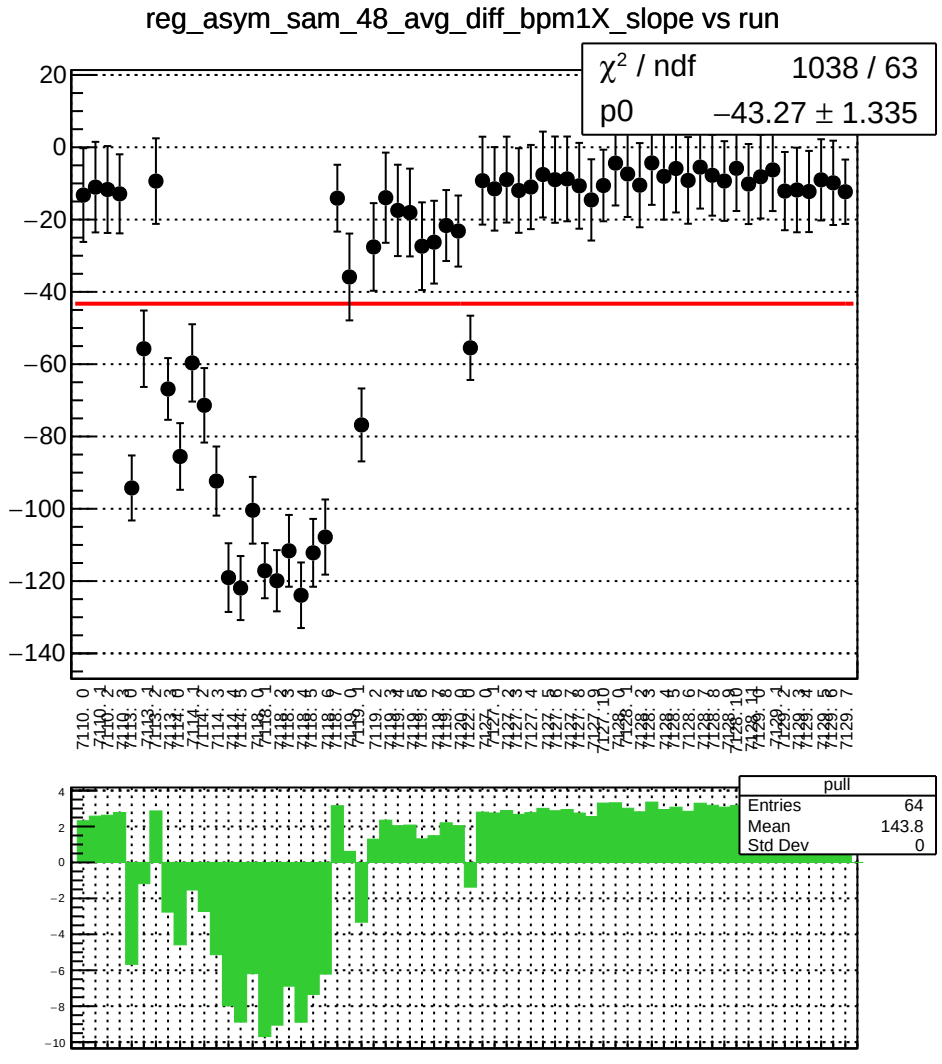

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.759 / 63
p0 −30.28 ± 1.284
pull
Entries 64
Mean 83.67
Std Dev 0
pull1D
Entries 64
Mean −0.009001
Std Dev 0.2725

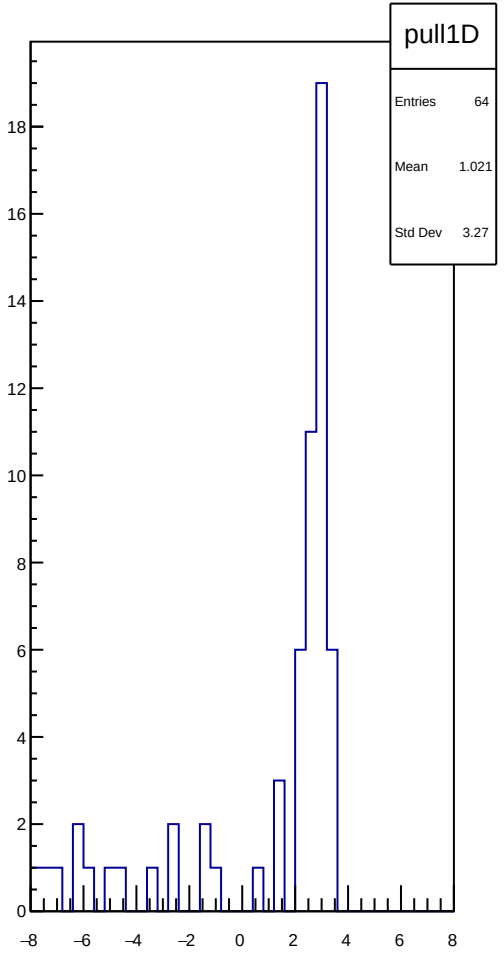

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.22 / 63
p0 −95.73 ± 1.601
−70
−80
−90
−100
−110
−120
−130
pull
Entries 64
Mean −151.4
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 64
Mean −0.02251
Std Dev 0.454
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

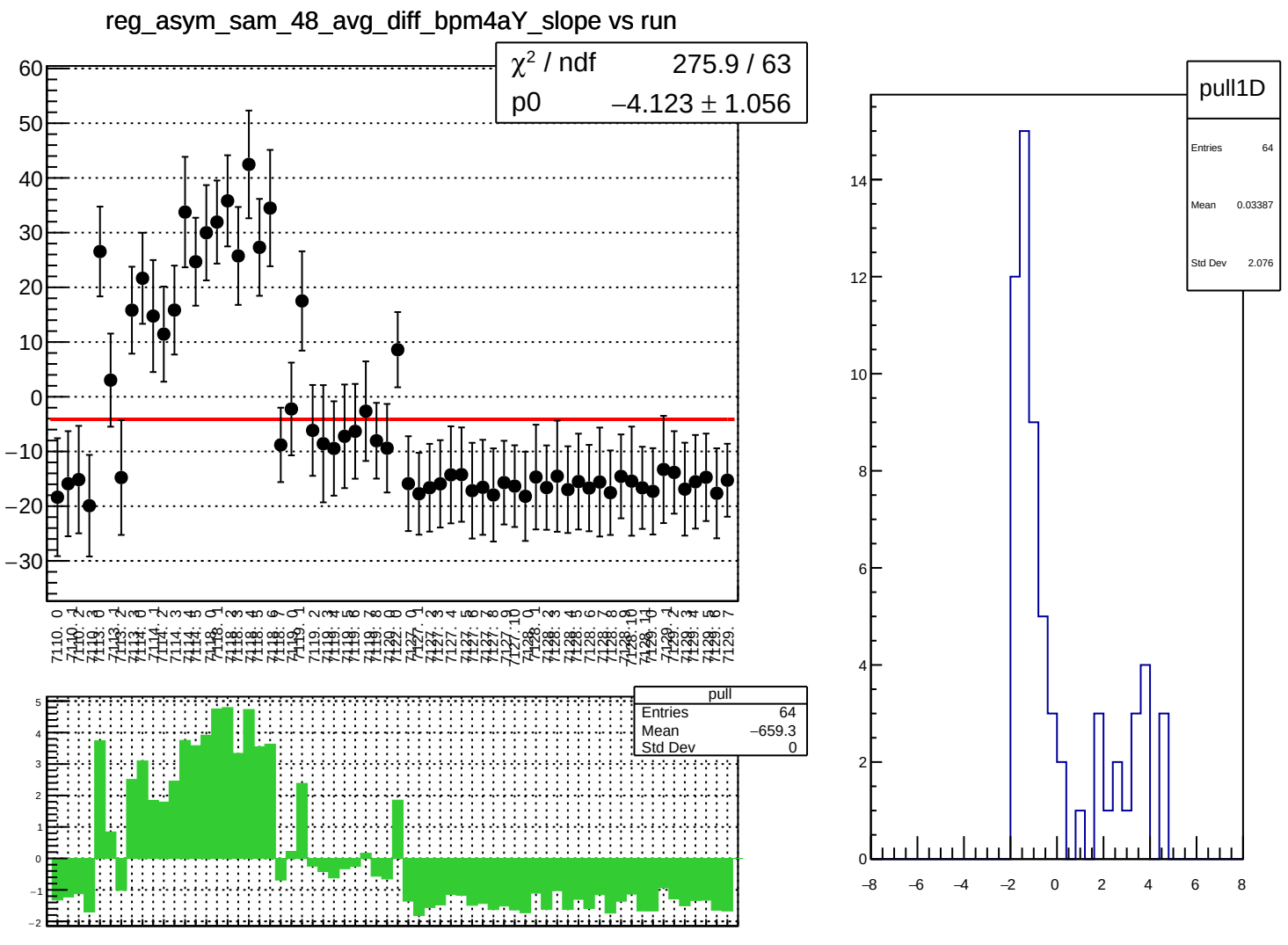

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.101 / 63
p0 −119.8 ± 1.354
pull
Entries 64
Mean 366.4
Std Dev 0

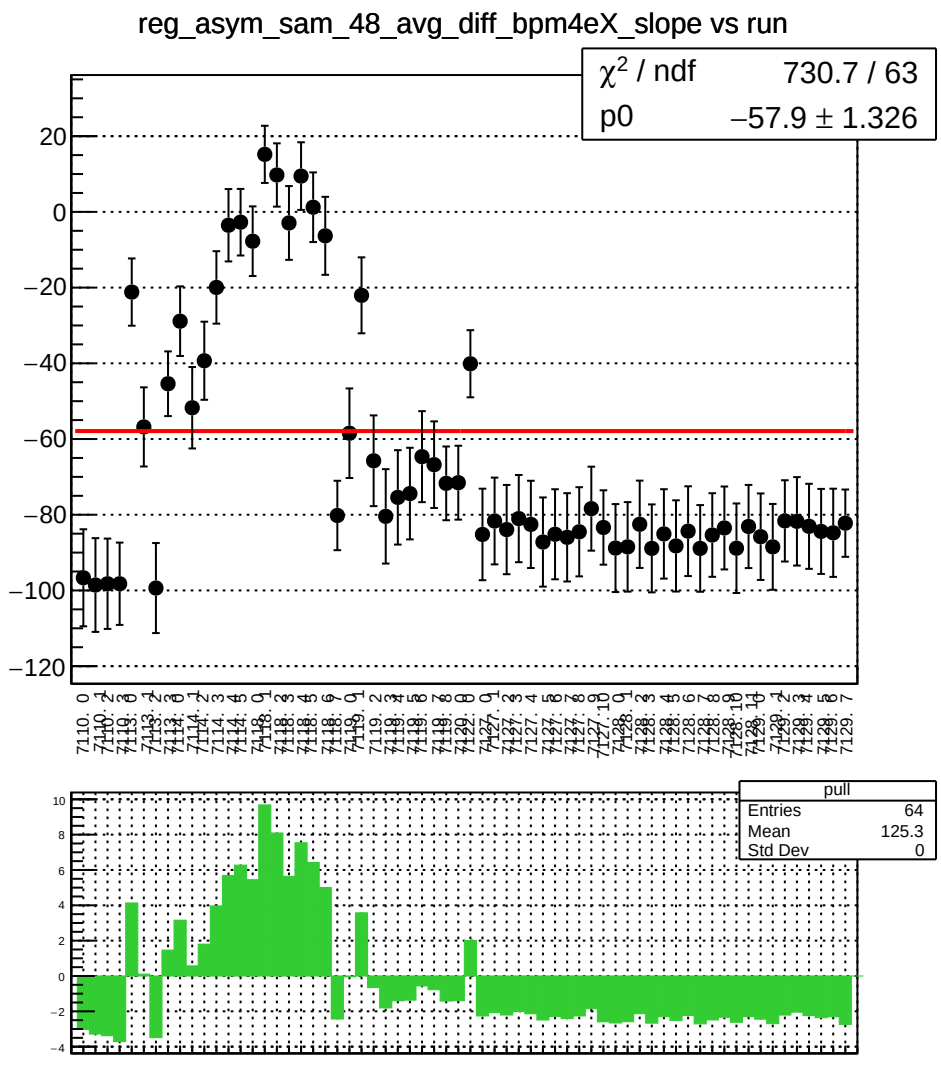

pull1D
Entries 64
Mean 0.006024
Std Dev 0.3557

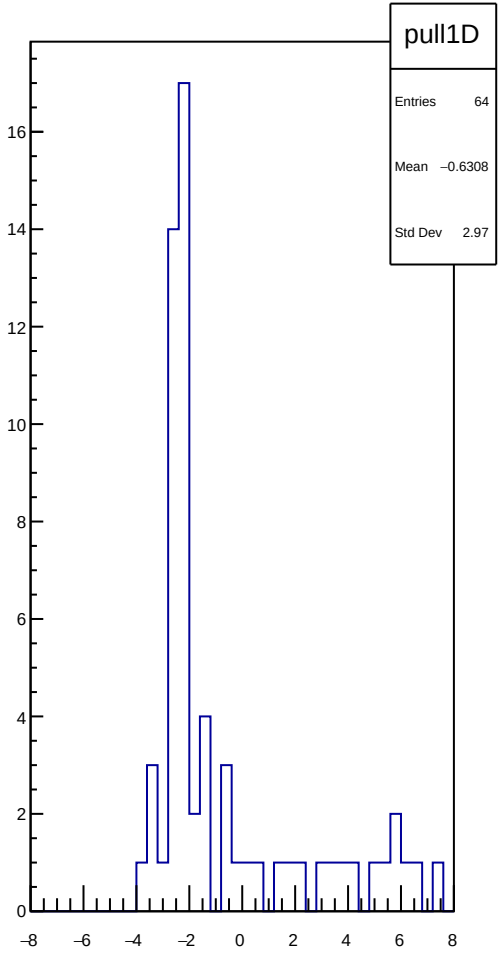

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 29.31 / 63
p0 0.9305 ± 0.06007
pull
Entries 64
Mean −371.5
Std Dev 0
pull1D
Entries 64
Mean 0.02155
Std Dev 0.6764

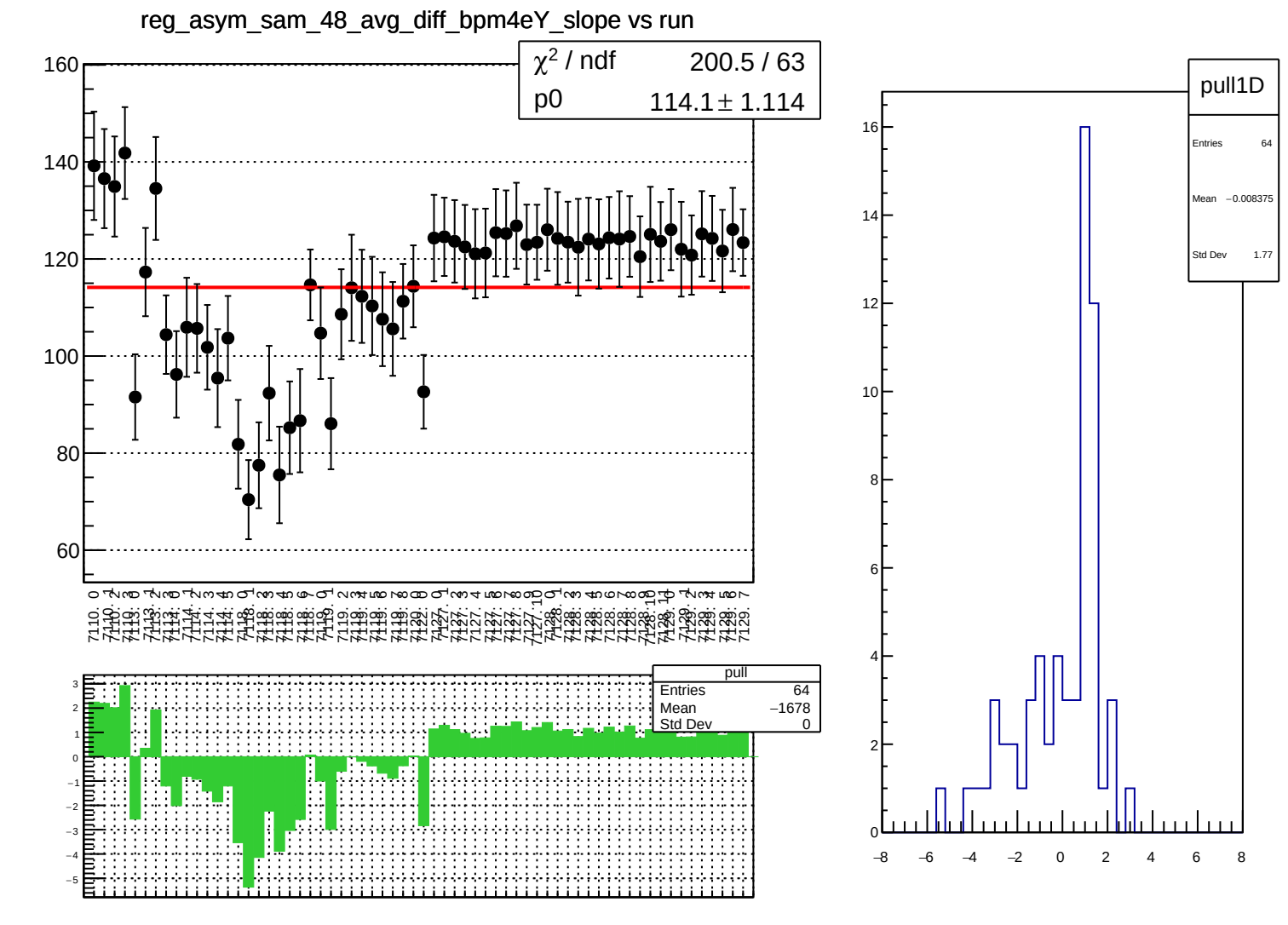

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1038 / 63
p0 −43.27 ± 1.335
pull
Entries 64
Mean 143.8
Std Dev 0

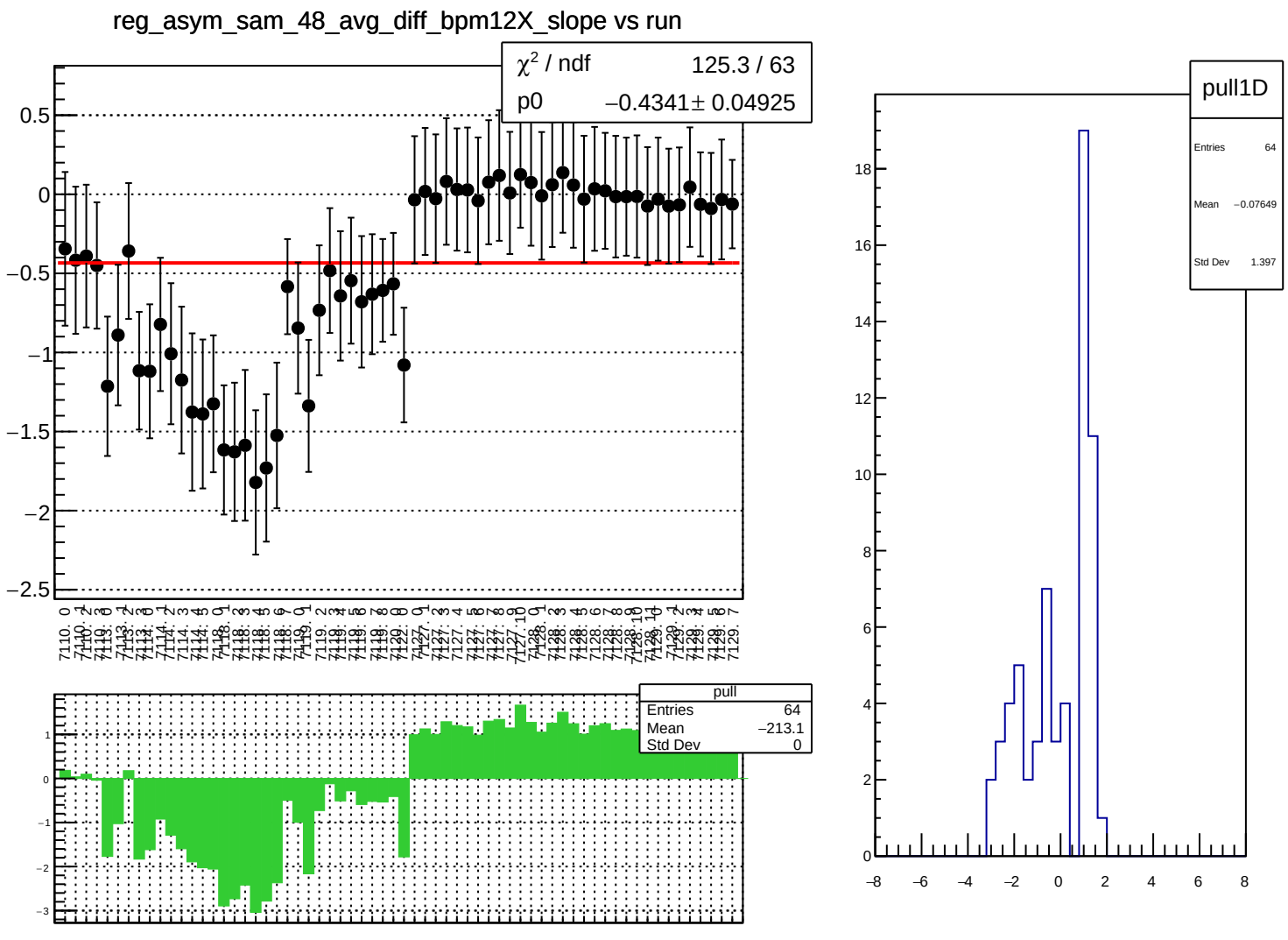

pull1D
Entries 64
Mean 1.021
Std Dev 3.27

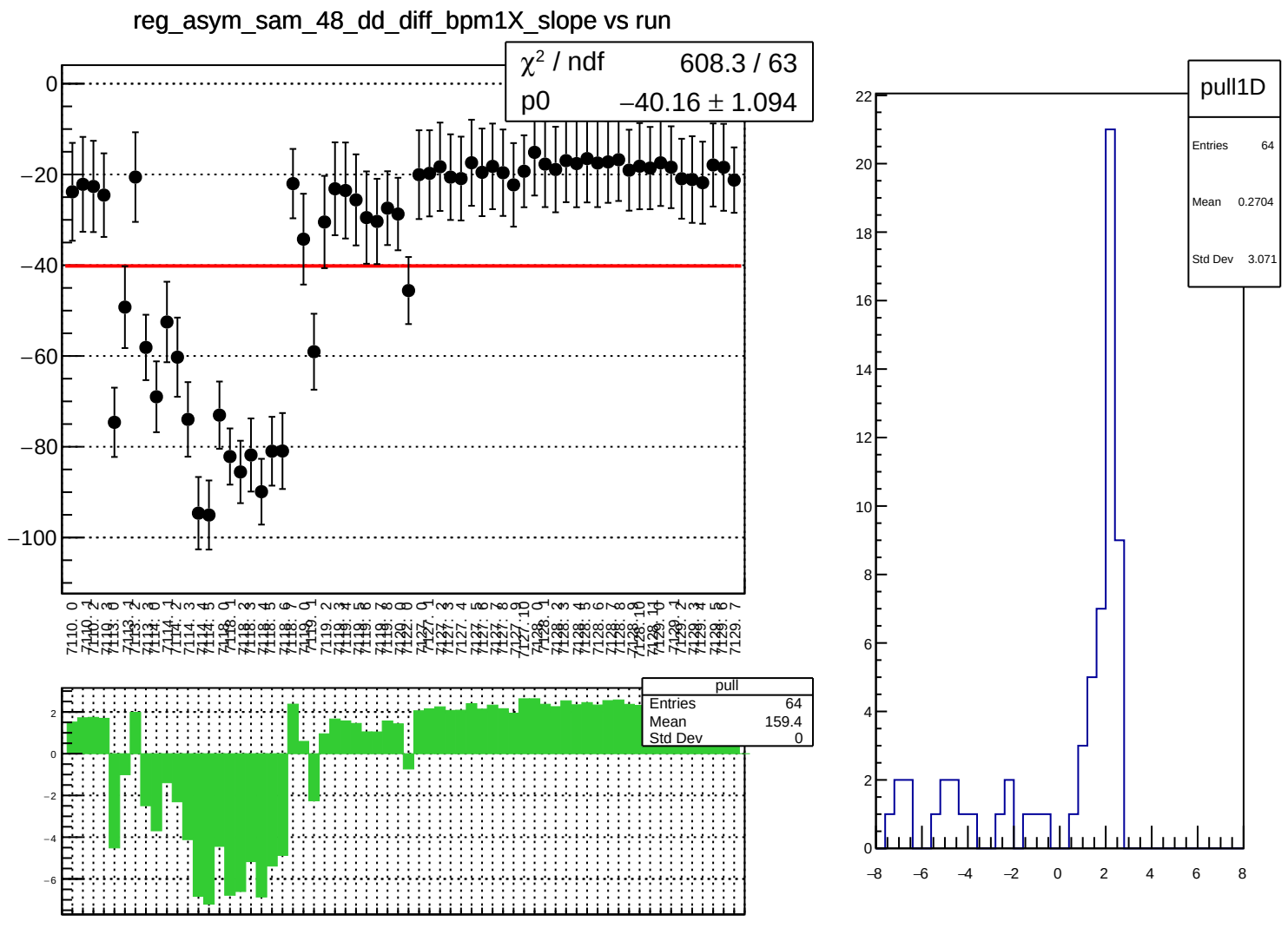

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 275.9 / 63
p0 −4.123 ± 1.056
pull
Entries 64
Mean −659.3
Std Dev 0
pull1D
Entries 64
Mean 0.03387
Std Dev 2.076

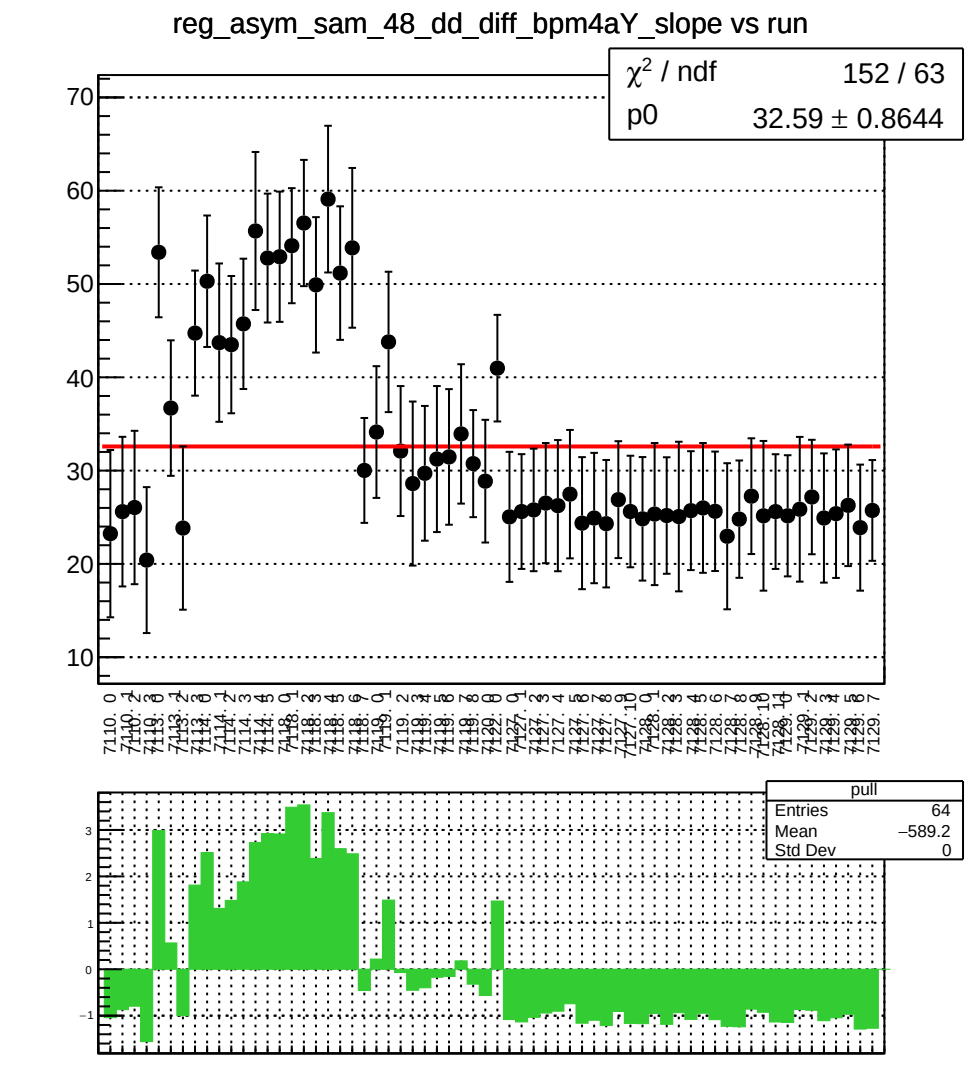

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 730.7 / 63
p0 −57.9 ± 1.326
pull
Entries 64
Mean 125.3
Std Dev 0

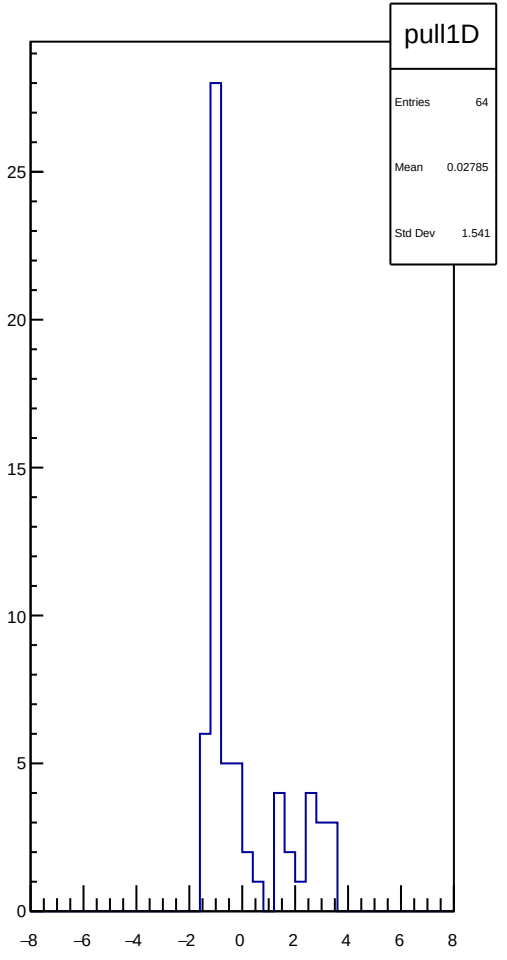

pull1D
Entries 64
Mean −0.6308
Std Dev 2.97

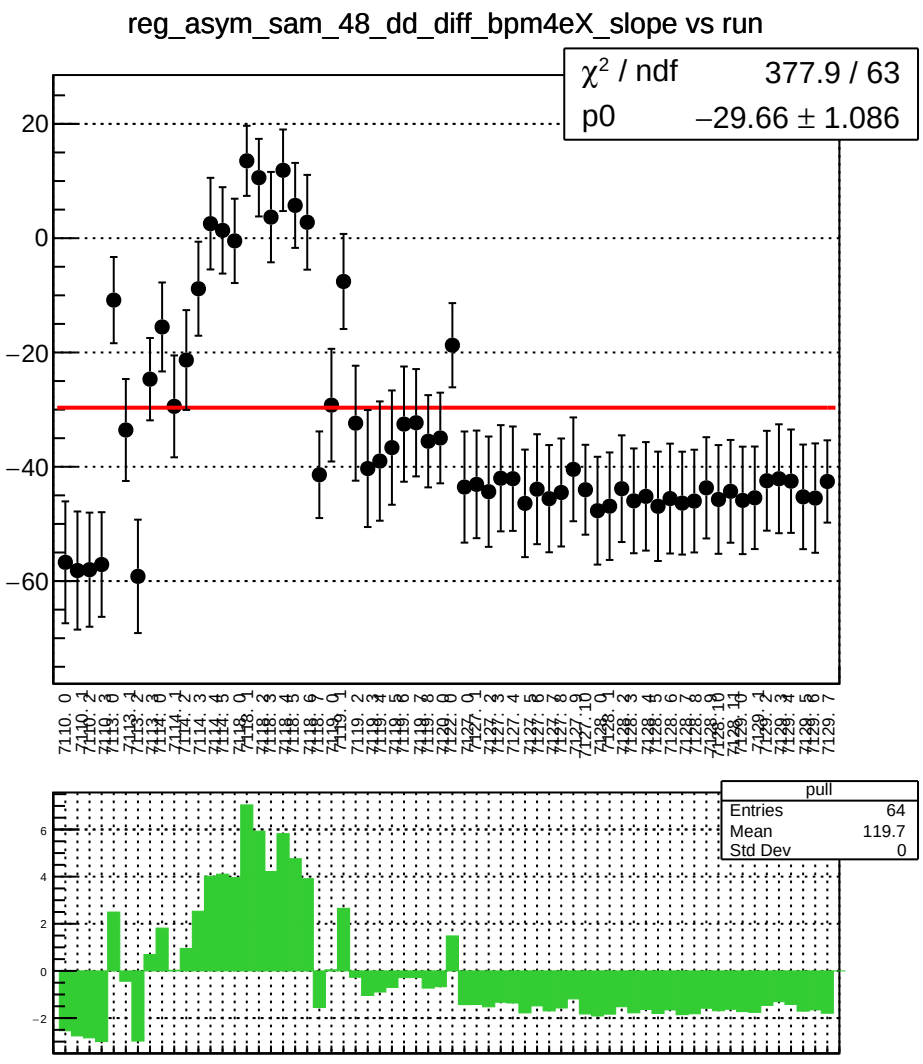

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 200.5 / 63
p0 114.1 ± 1.114
pull
Entries 64
Mean −1678
Std Dev 0
pull1D
Entries 64
Mean −0.008375
Std Dev 1.77

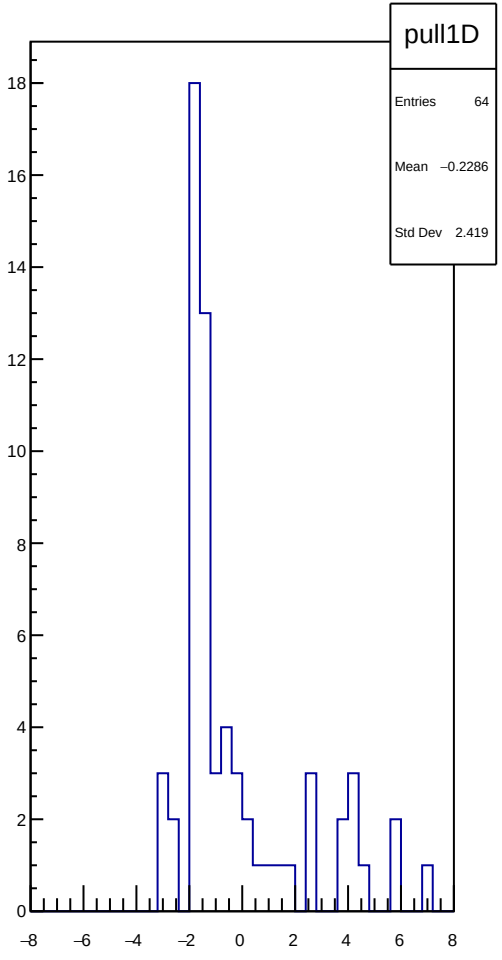

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 125.3 / 63
p0 −0.4341± 0.04925
pull
Entries 64
Mean −213.1
Std Dev 0
pull1D
Entries 64
Mean −0.07649
Std Dev 1.397

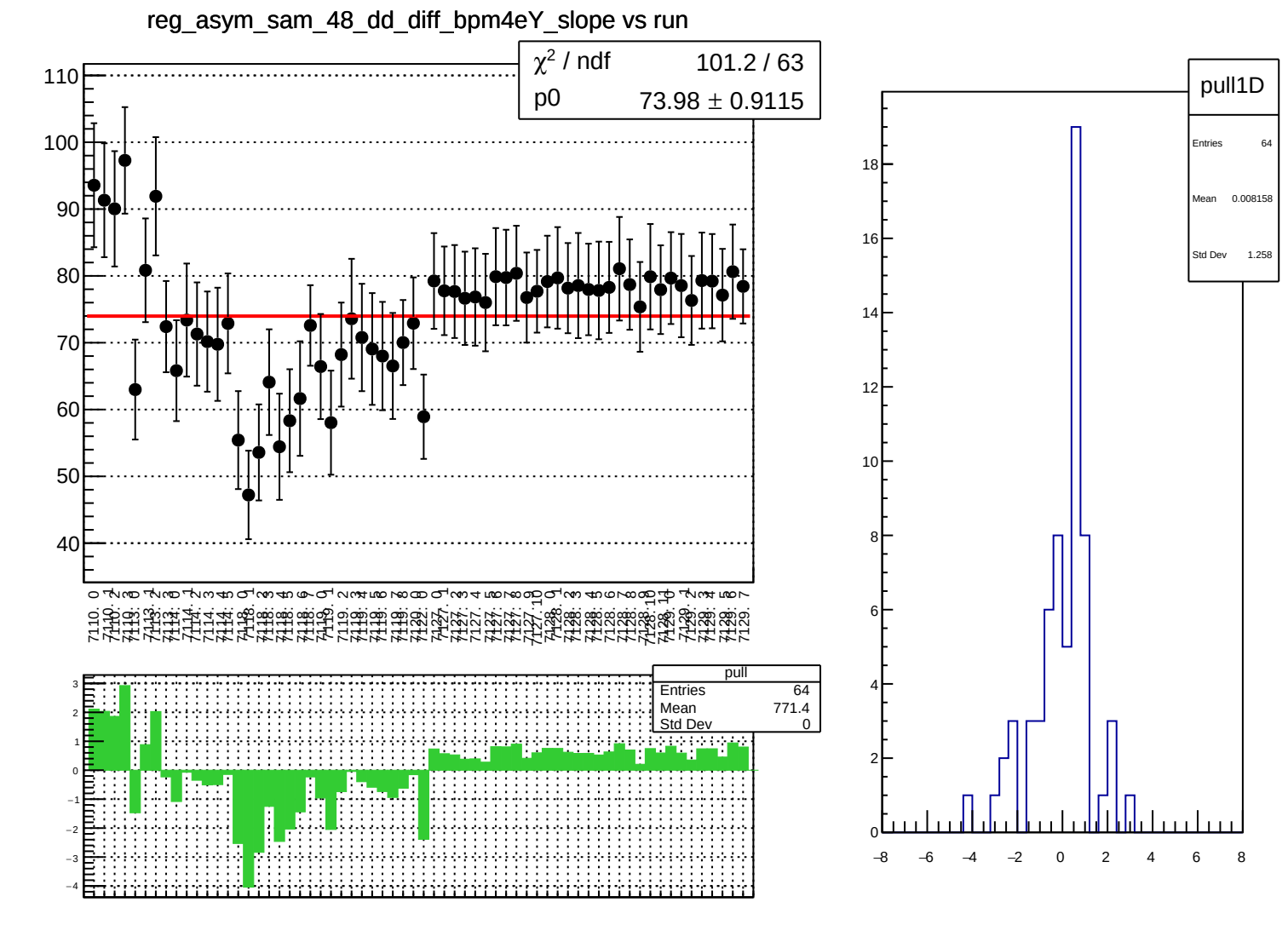

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 608.3 / 63
p0 −40.16 ± 1.094
pull
Entries 64
Mean 159.4
Std Dev 0
pull1D
Entries 64
Mean 0.2704
Std Dev 3.071

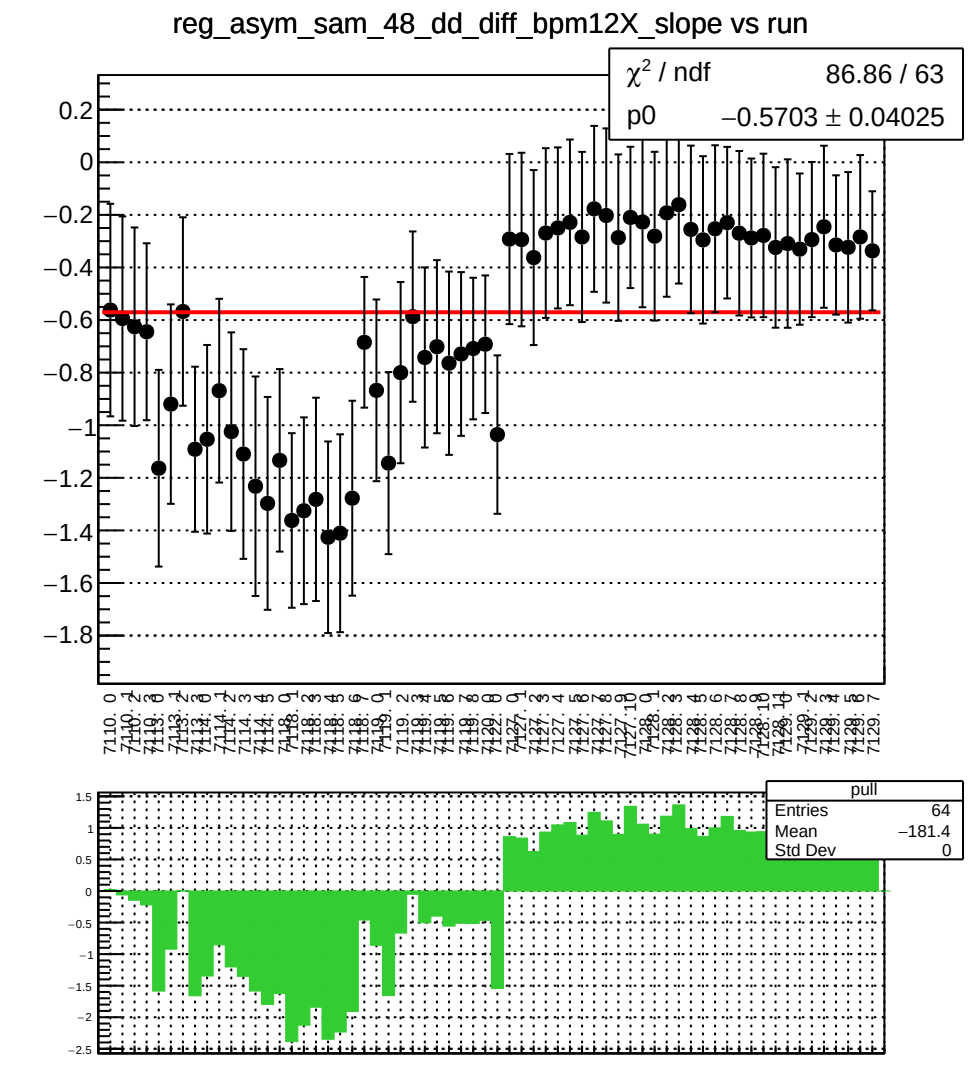

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 152 / 63
p0 32.59 ± 0.8644
pull
Entries 64
Mean −589.2
Std Dev 0

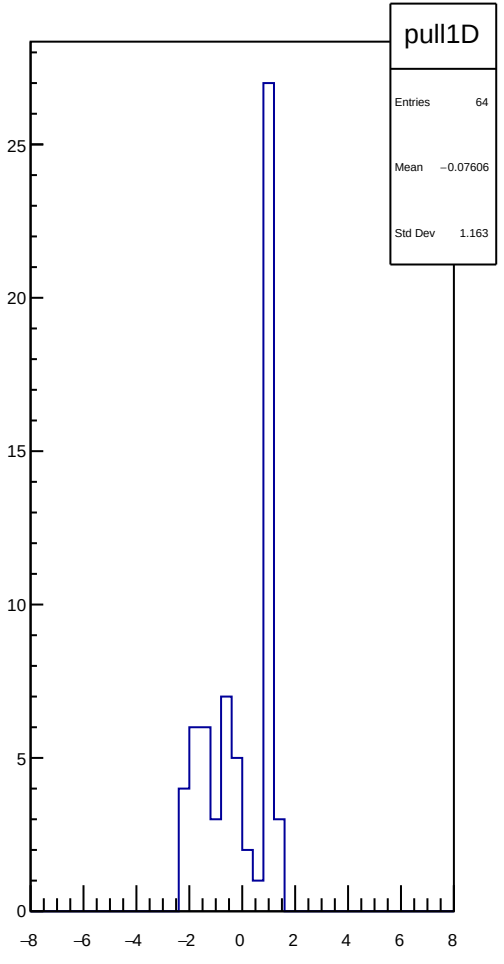

pull1D
Entries 64
Mean 0.02785
Std Dev 1.541

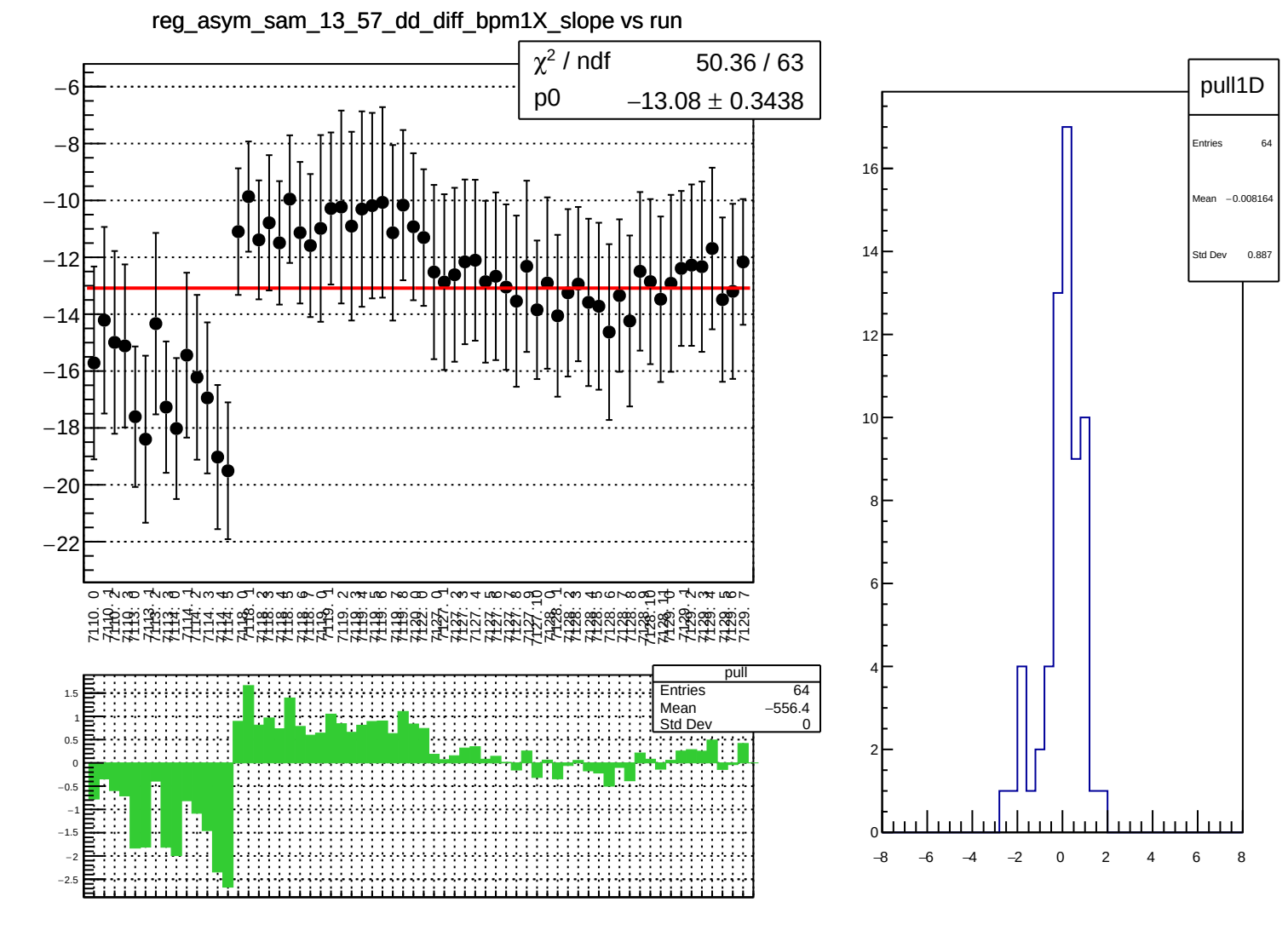

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 377.9 / 63
p0 −29.66 ± 1.086
pull
Entries 64
Mean 119.7
Std Dev 0

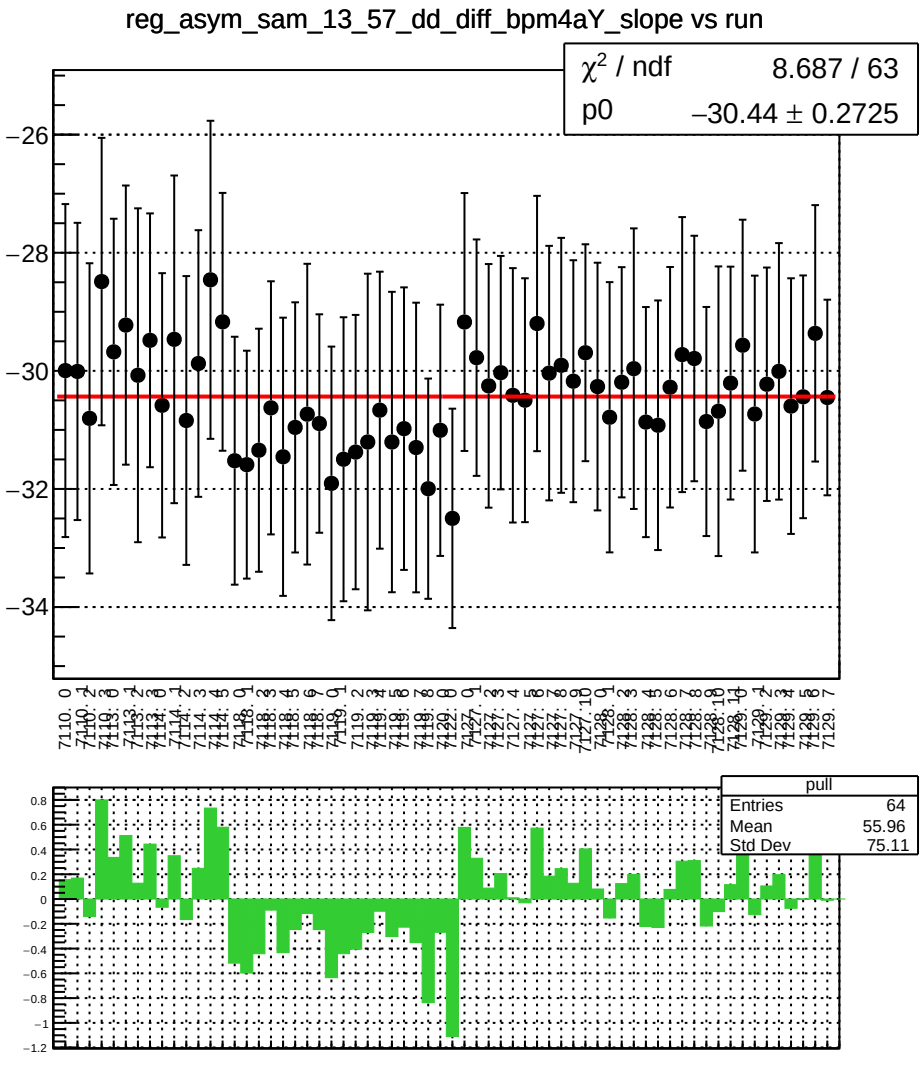

pull1D
Entries 64
Mean −0.2286
Std Dev 2.419

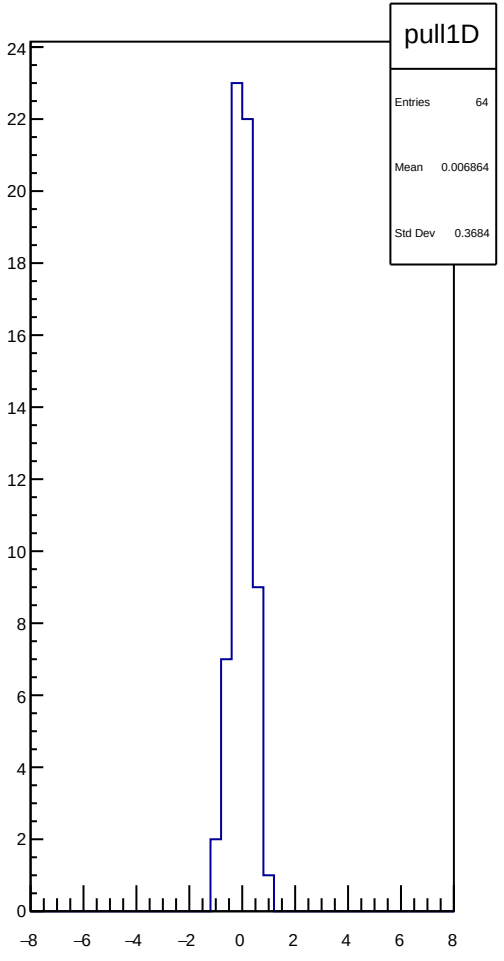

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 101.2 / 63
p0 73.98 ± 0.9115
pull
Entries 64
Mean 771.4
Std Dev 0
pull1D
Entries 64
Mean 0.008158
Std Dev 1.258

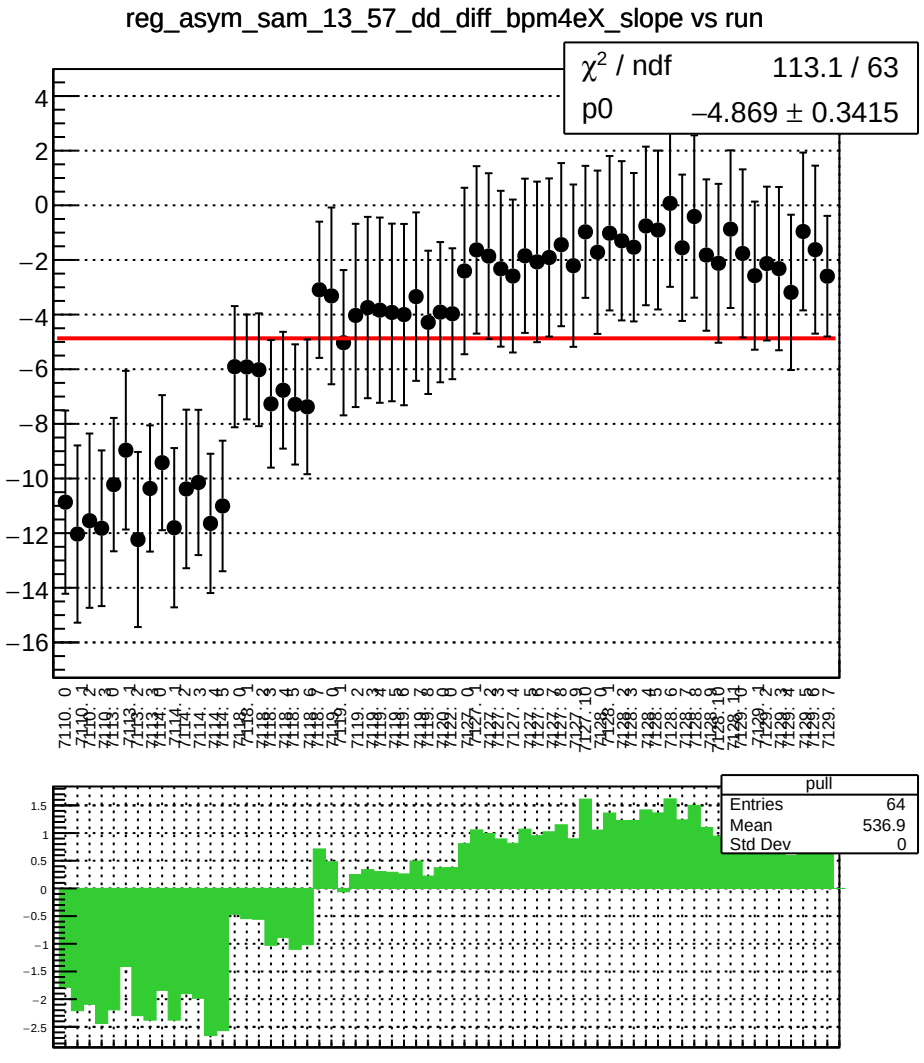

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 86.86 / 63
p0 −0.5703 ± 0.04025
pull
Entries 64
Mean −181.4
Std Dev 0

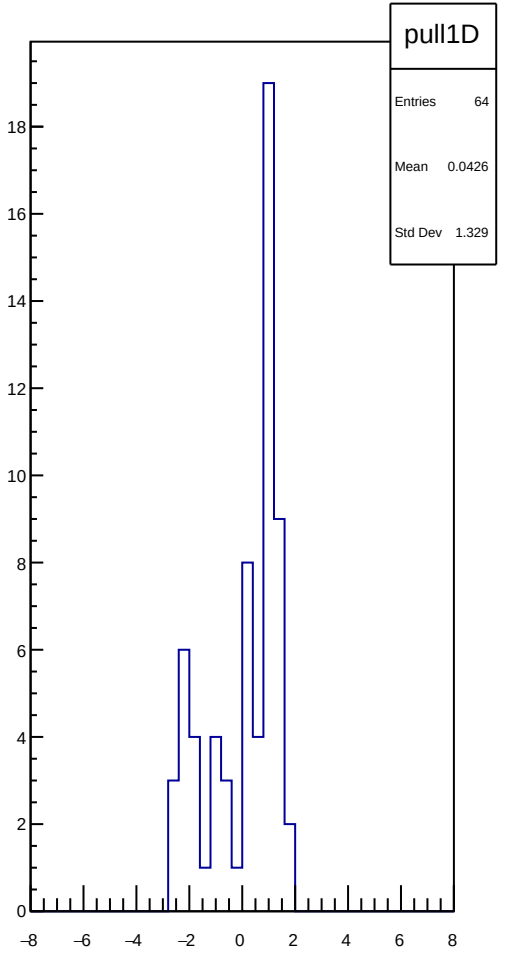

pull1D
Entries 64
Mean −0.07606
Std Dev 1.163

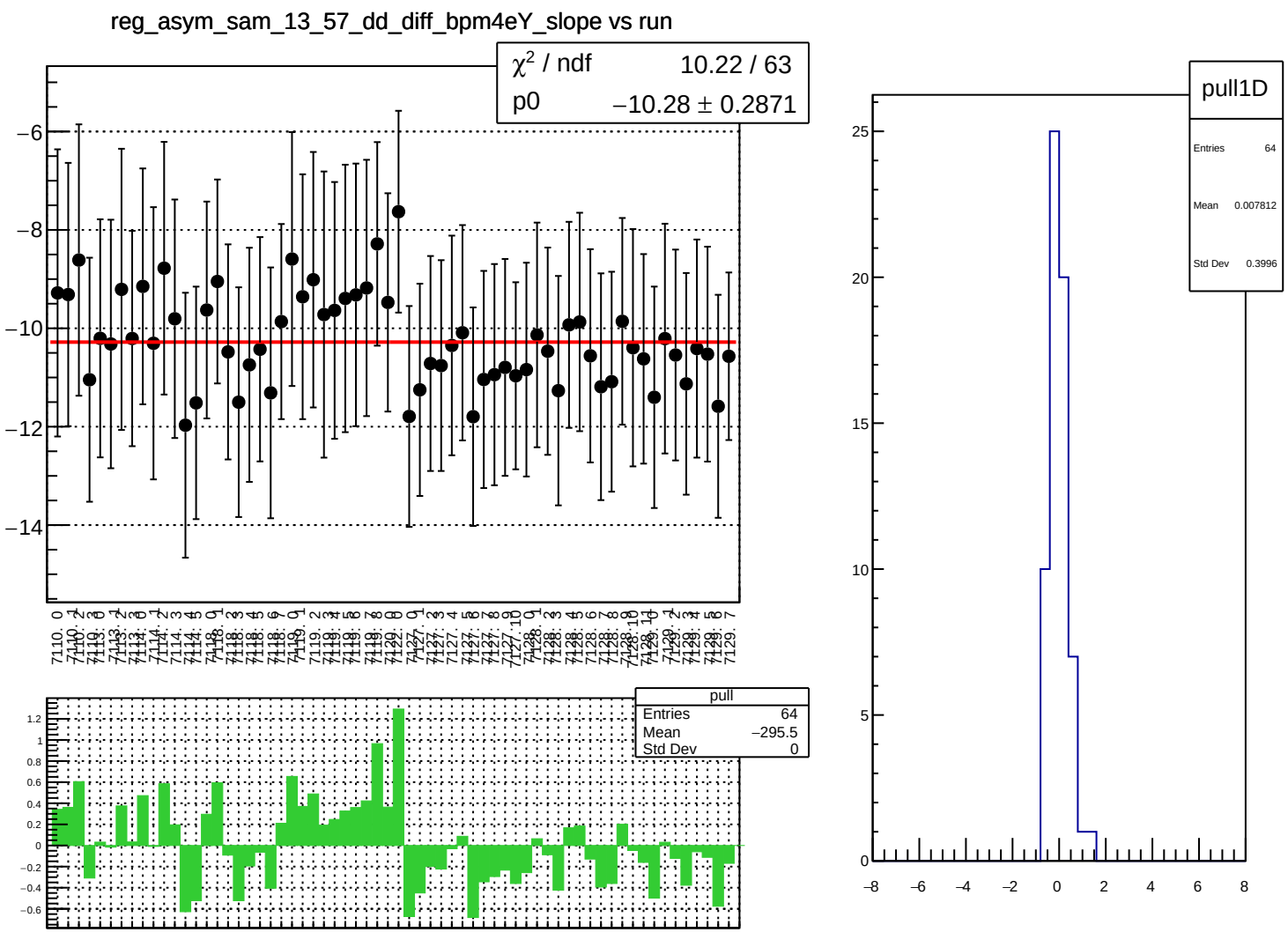

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 50.36 / 63
p0 −13.08 ± 0.3438
pull
Entries 64
Mean −556.4
Std Dev 0
pull1D
Entries 64
Mean −0.008164
Std Dev 0.887

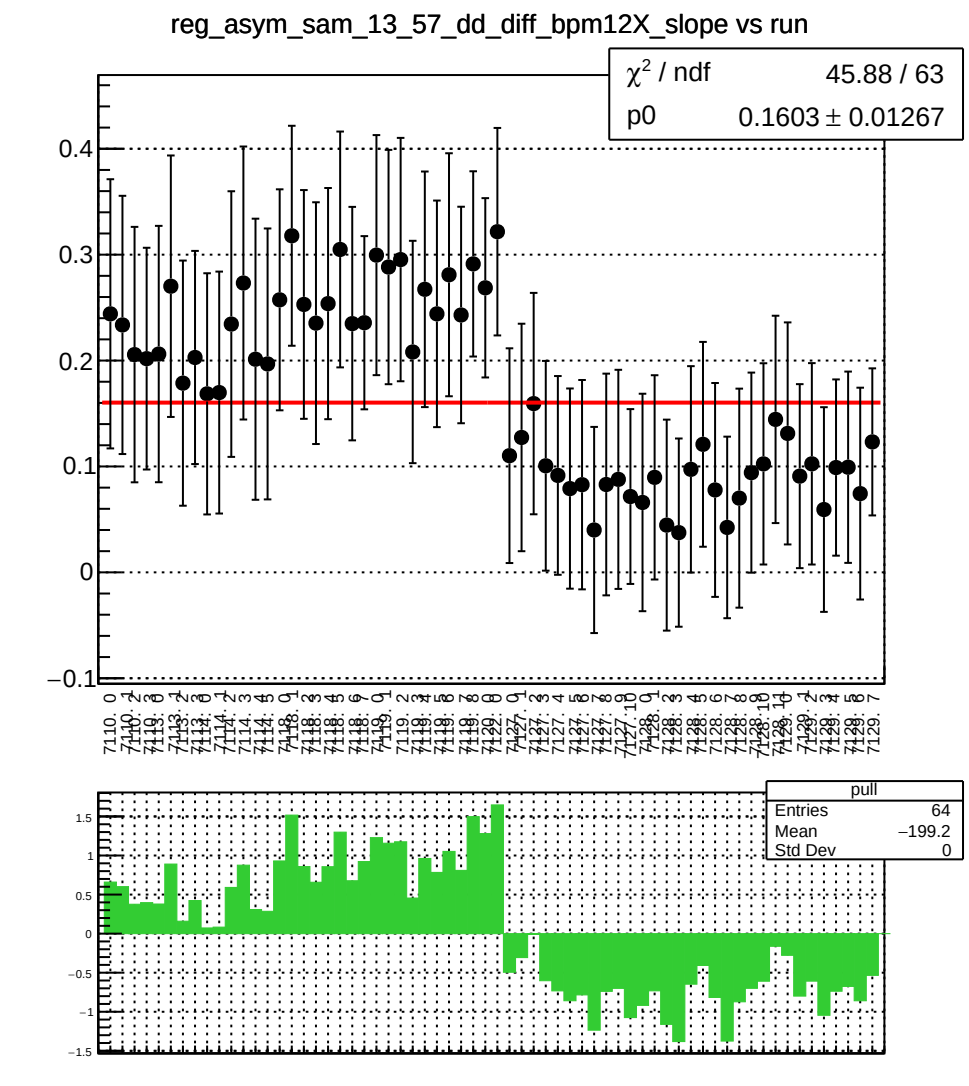

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.687 / 63
p0 −30.44 ± 0.2725
pull
Entries 64
Mean 55.96
Std Dev 75.11

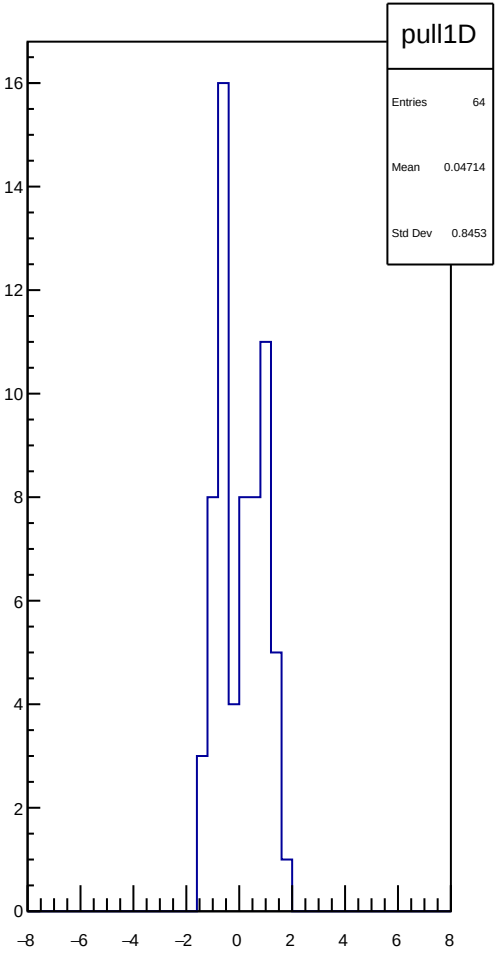

pull1D
Entries 64
Mean 0.006864
Std Dev 0.3684

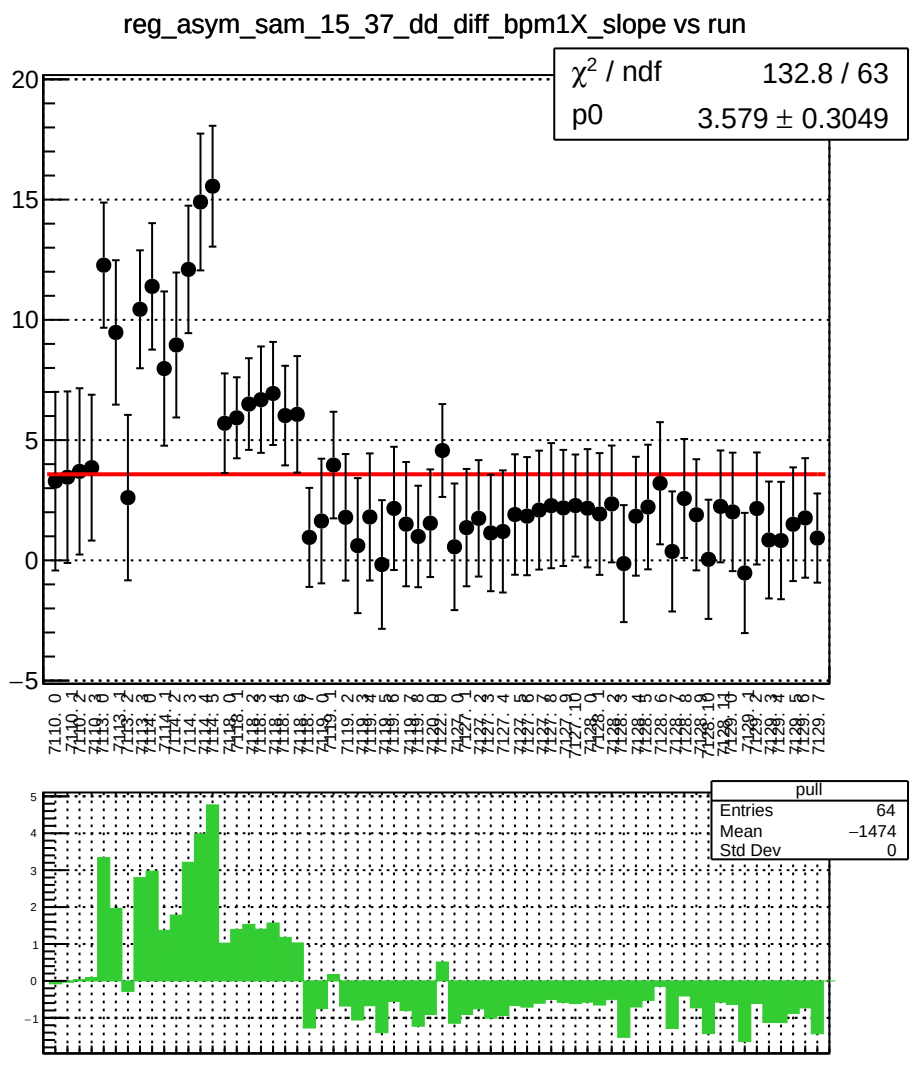

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 113.1 / 63
p0 −4.869 ± 0.3415
pull
Entries 64
Mean 536.9
Std Dev 0

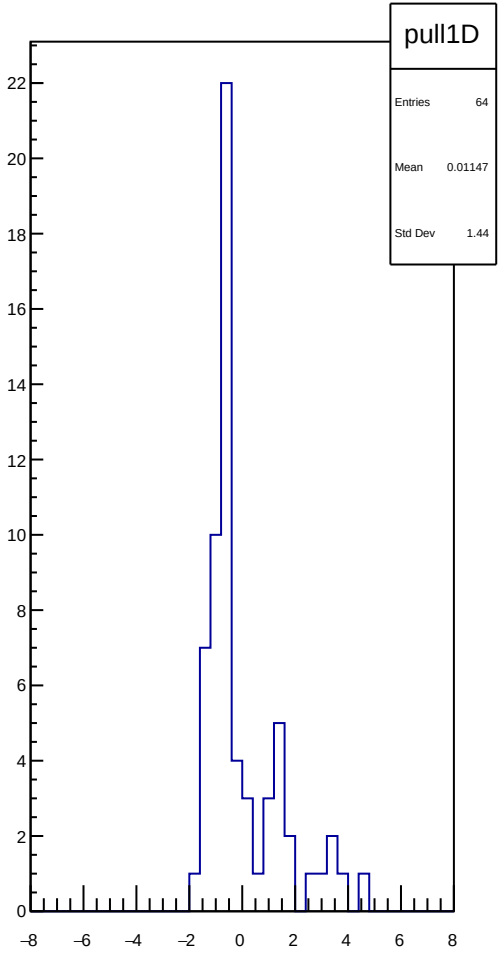

pull1D
Entries 64
Mean 0.0426
Std Dev 1.329

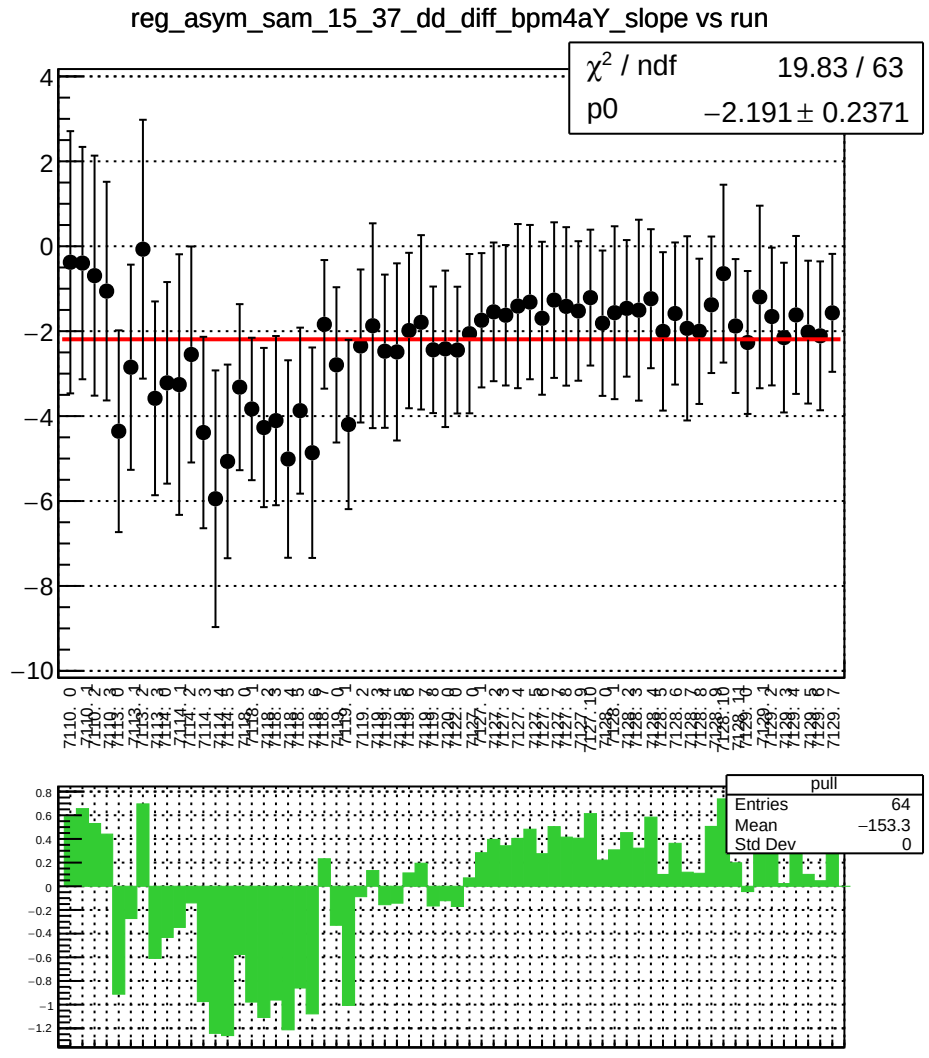

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.22 / 63
p0 −10.28 ± 0.2871
pull
Entries 64
Mean −295.5
Std Dev 0
pull1D
Entries 64
Mean 0.007812
Std Dev 0.3996

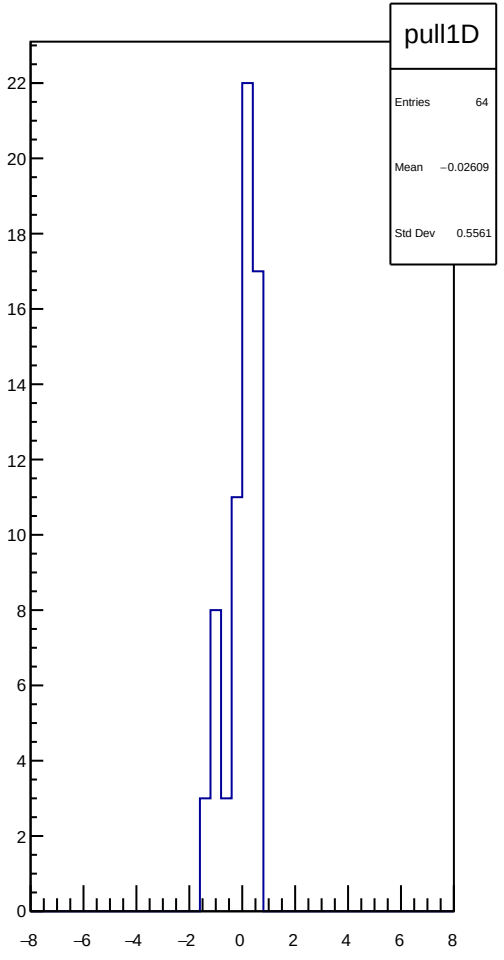

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 45.88 / 63
p0 0.1603 ± 0.01267
pull
Entries 64
Mean −199.2
Std Dev 0

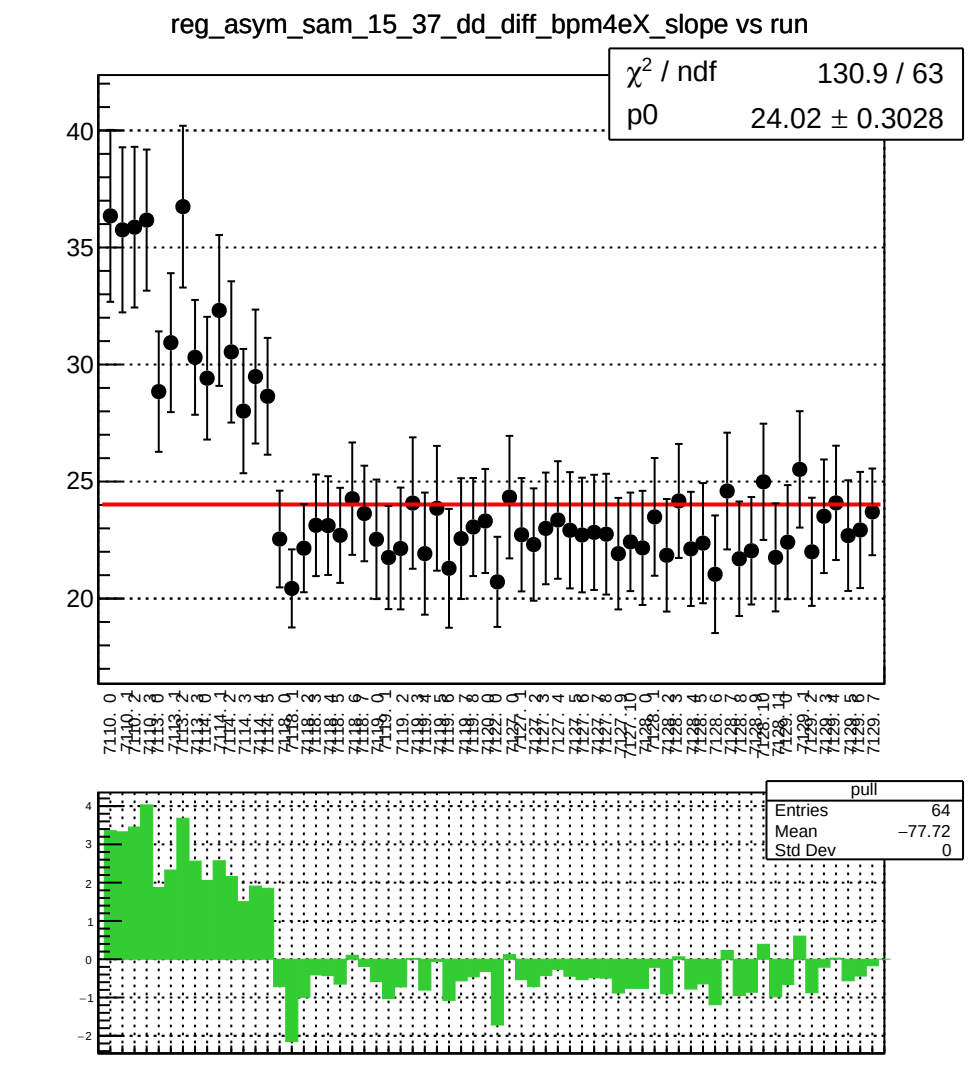

pull1D
Entries 64
Mean 0.04714
Std Dev 0.8453

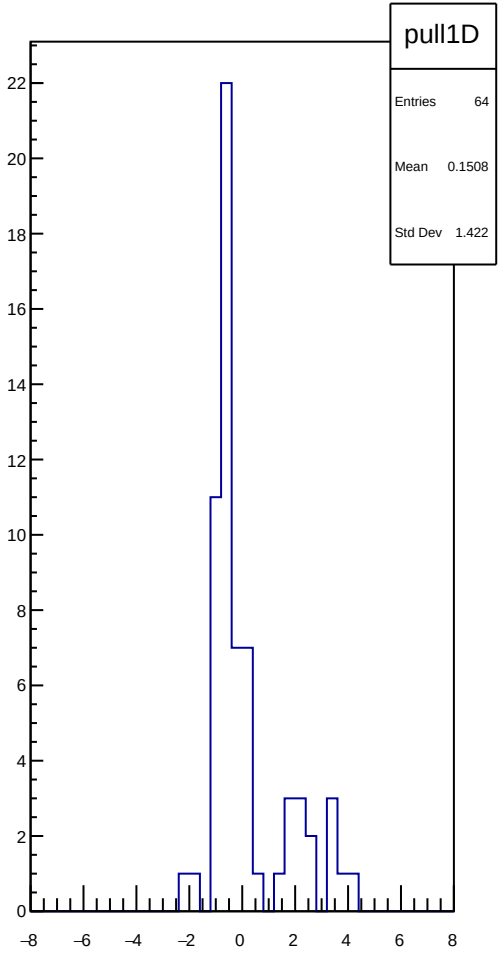

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 132.8 / 63
p0 3.579 ± 0.3049
pull
Entries 64
Mean −1474
Std Dev 0

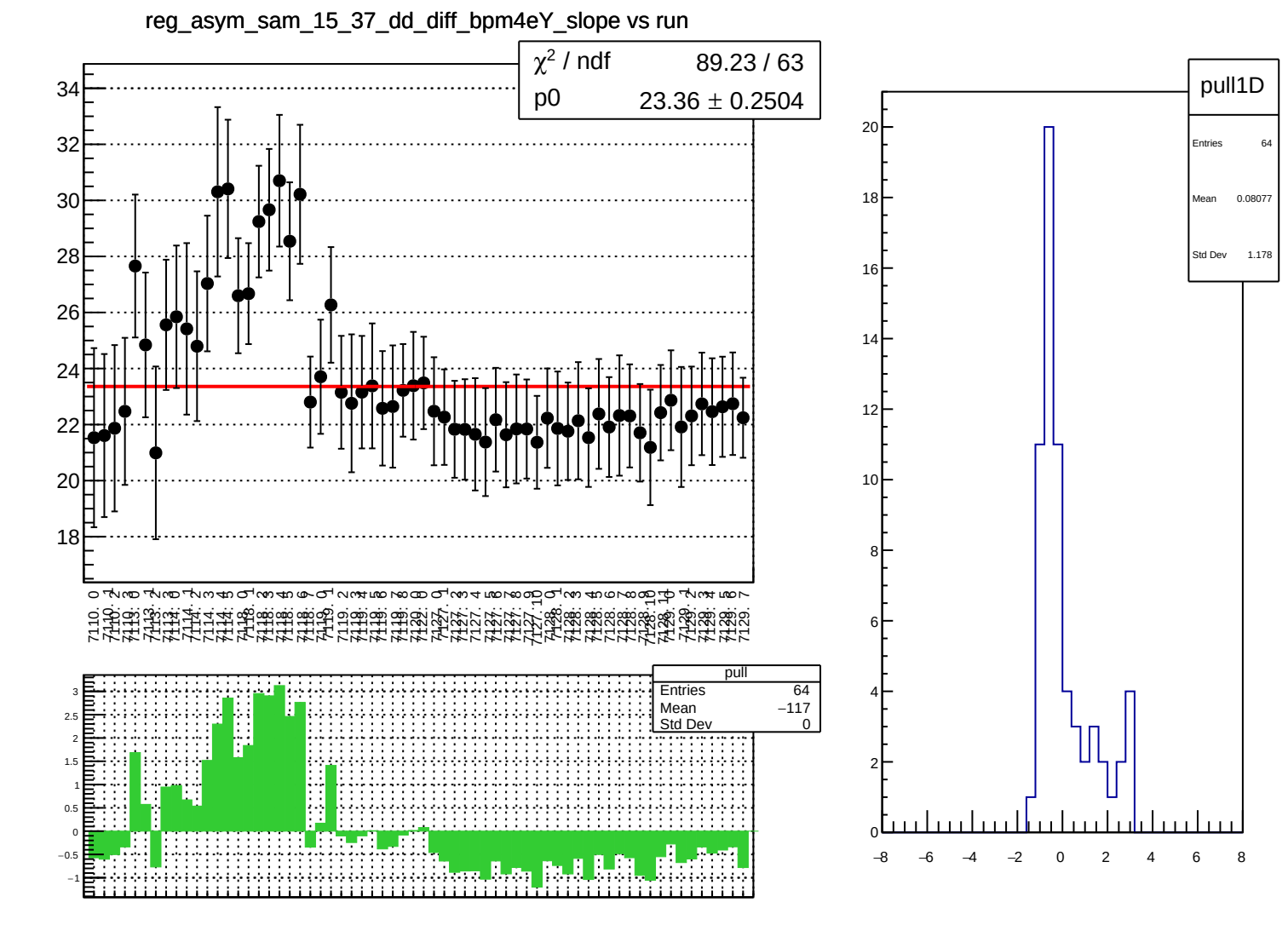

pull1D
Entries 64
Mean 0.01147
Std Dev 1.44

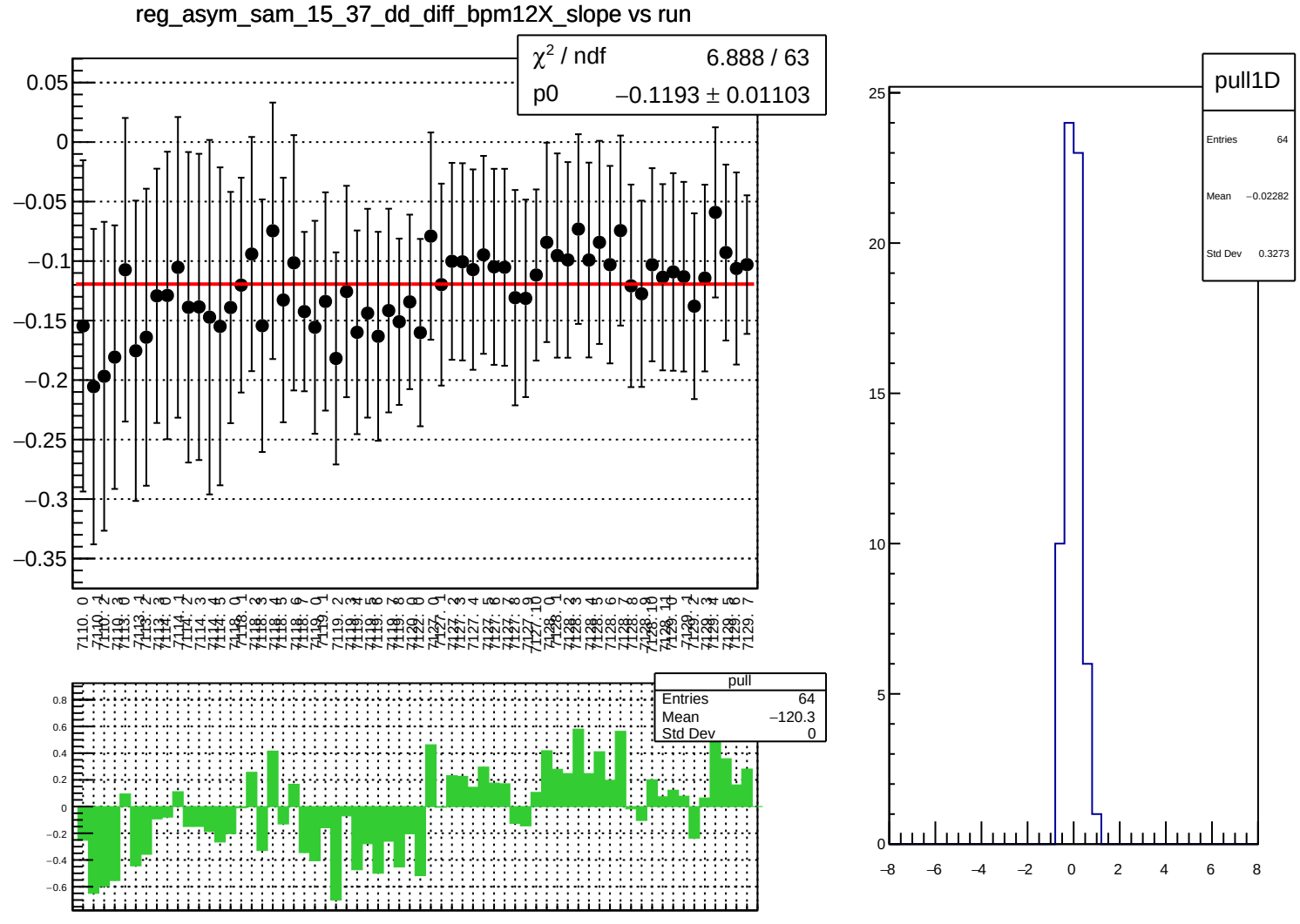

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.83 / 63
p0 −2.191 ± 0.2371
pull
Entries 64
Mean −153.3
Std Dev 0

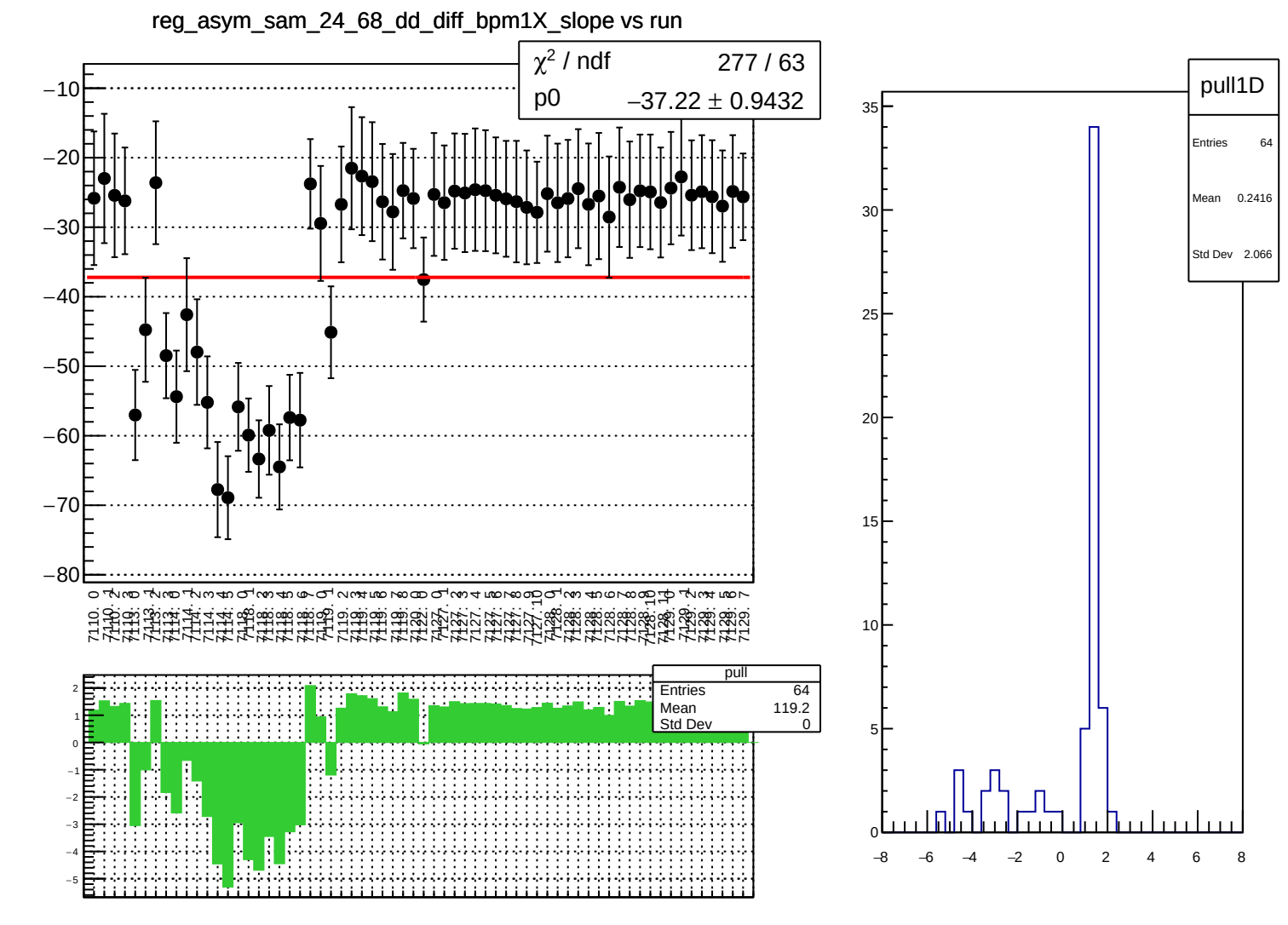

pull1D
Entries 64
Mean −0.02609
Std Dev 0.5561

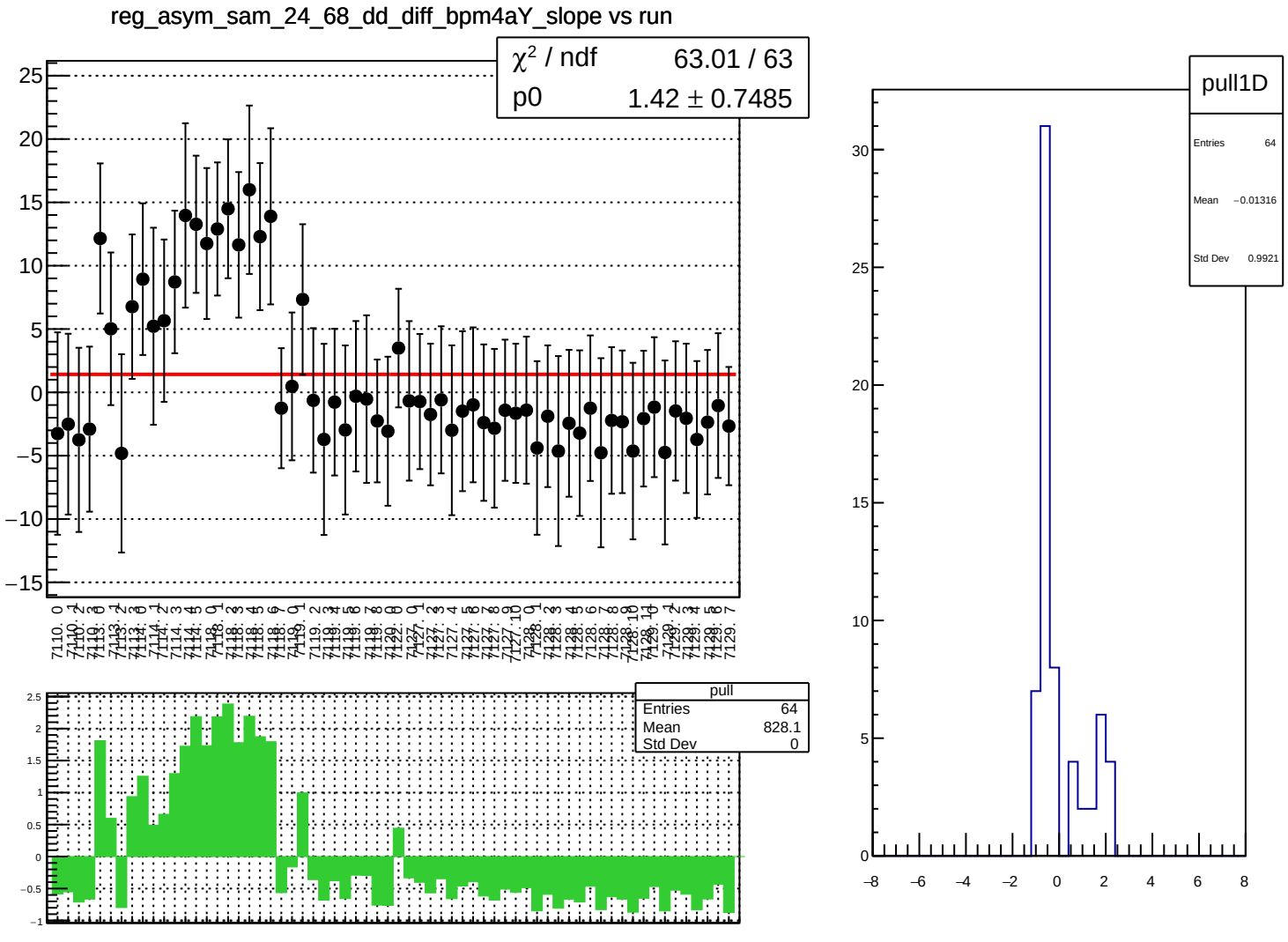

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 130.9 / 63
p0 24.02 ± 0.3028
pull
Entries 64
Mean −77.72
Std Dev 0

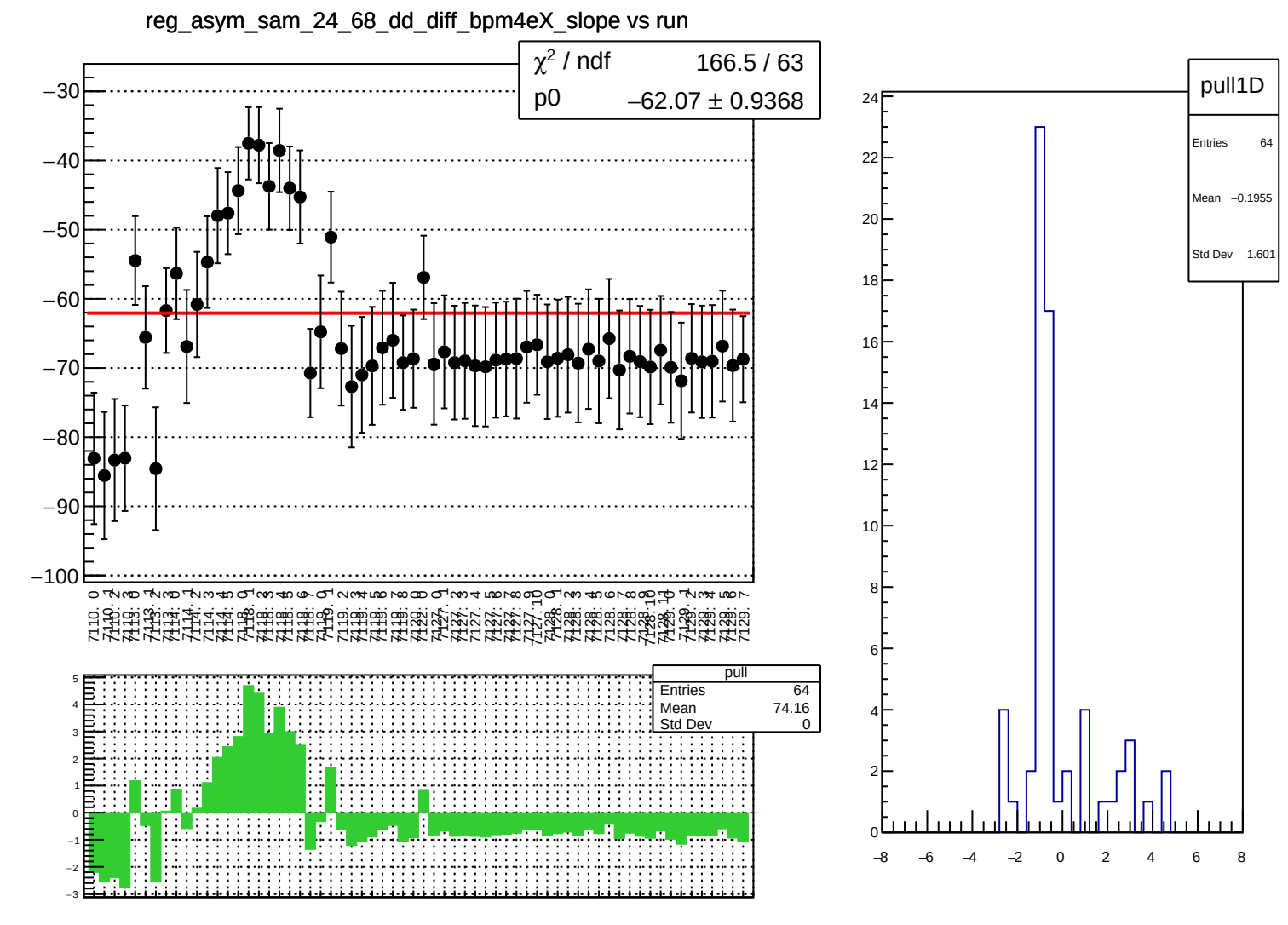

pull1D
Entries 64
Mean 0.1508
Std Dev 1.422

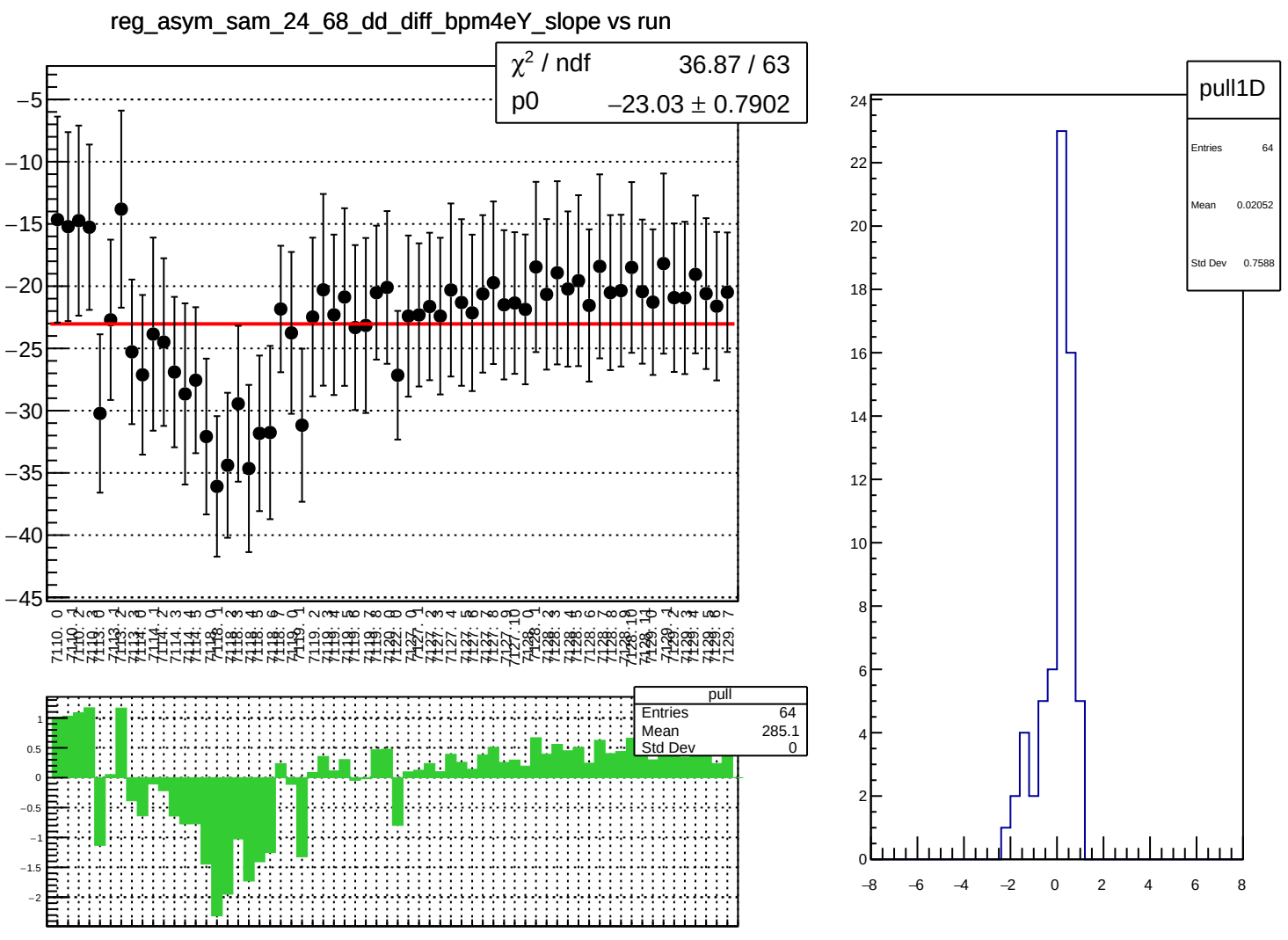

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.23 / 63
p0 23.36 ± 0.2504
pull
Entries 64
Mean −117
Std Dev 0
pull1D
Entries 64
Mean 0.08077
Std Dev 1.178

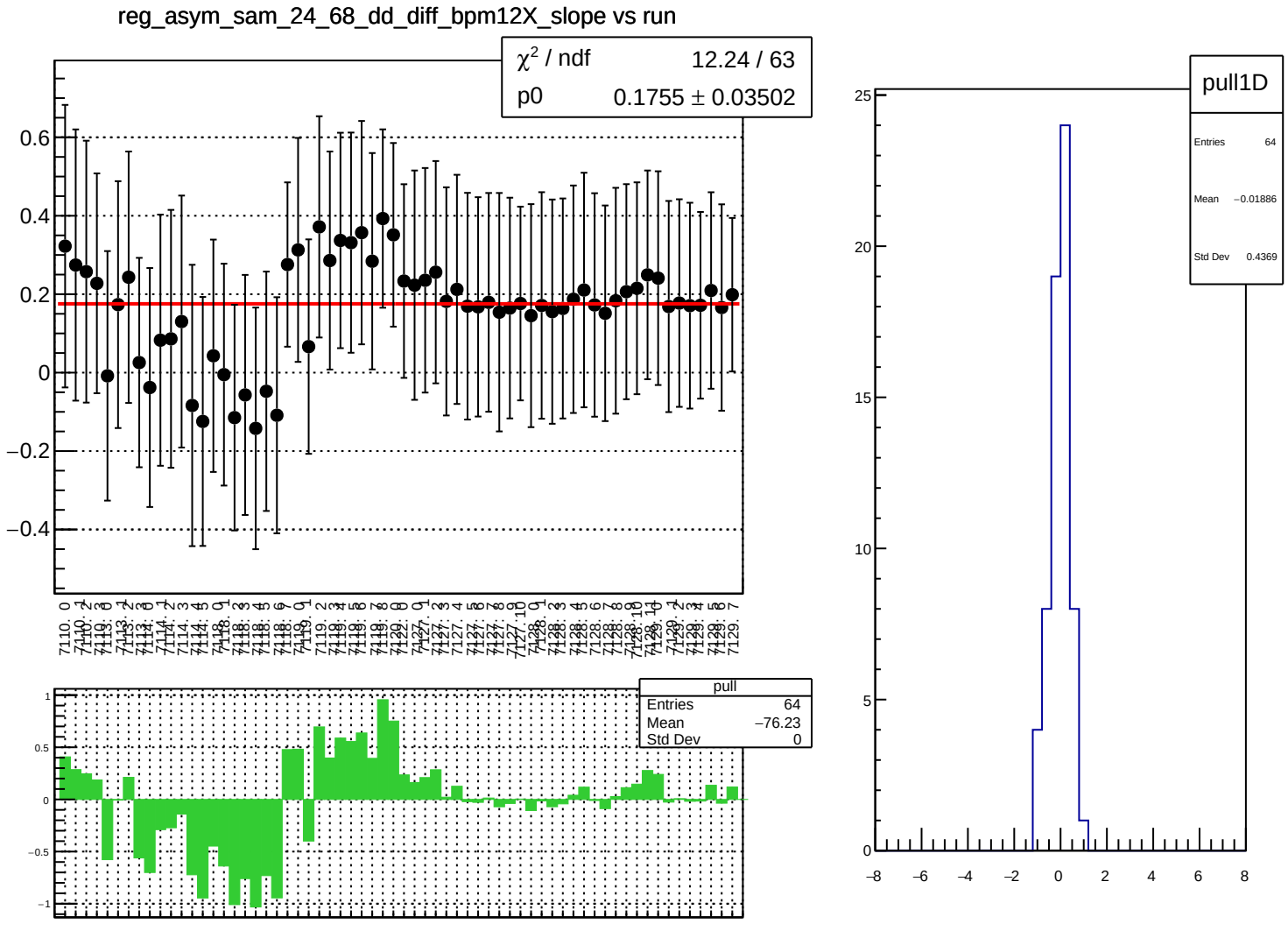

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.888 / 63
p0 −0.1193 ± 0.01103
pull
Entries 64
Mean −120.3
Std Dev 0
pull1D
Entries 64
Mean −0.02282
Std Dev 0.3273

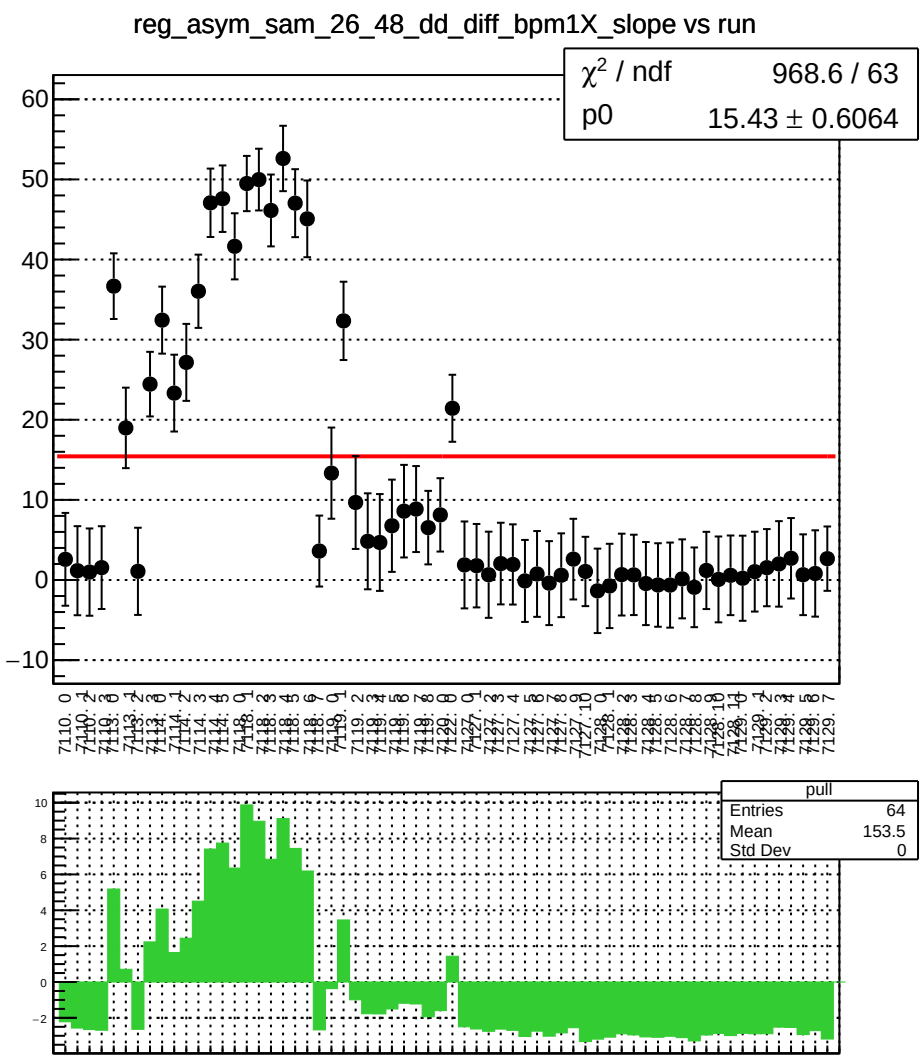

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 277 / 63
p0 −37.22 ± 0.9432
pull
Entries 64
Mean 119.2
Std Dev 0
pull1D
Entries 64
Mean 0.2416
Std Dev 2.066

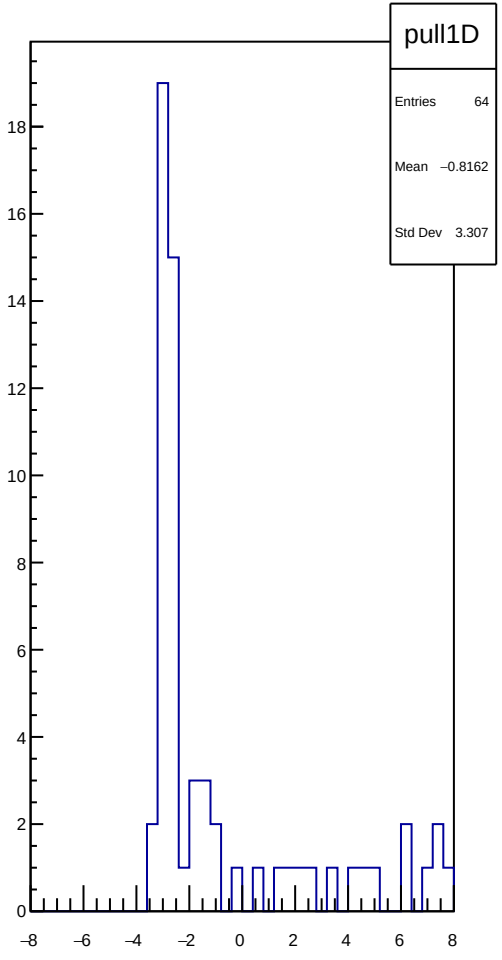

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.01 / 63
p0 1.42 ± 0.7485
pull
Entries 64
Mean 828.1
Std Dev 0
pull1D
Entries 64
Mean −0.01316
Std Dev 0.9921

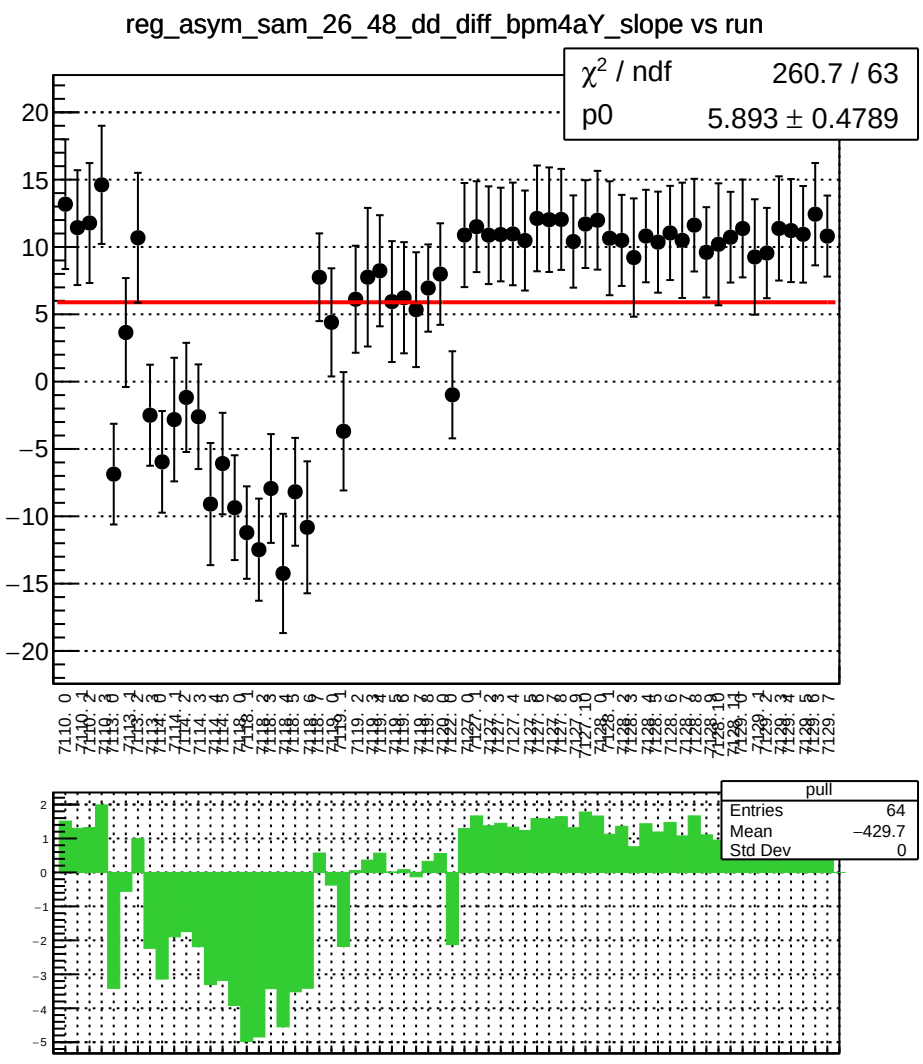

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 166.5 / 63
p0 −62.07 ± 0.9368
pull
Entries 64
Mean 74.16
Std Dev 0
pull1D
Entries 64
Mean −0.1955
Std Dev 1.601

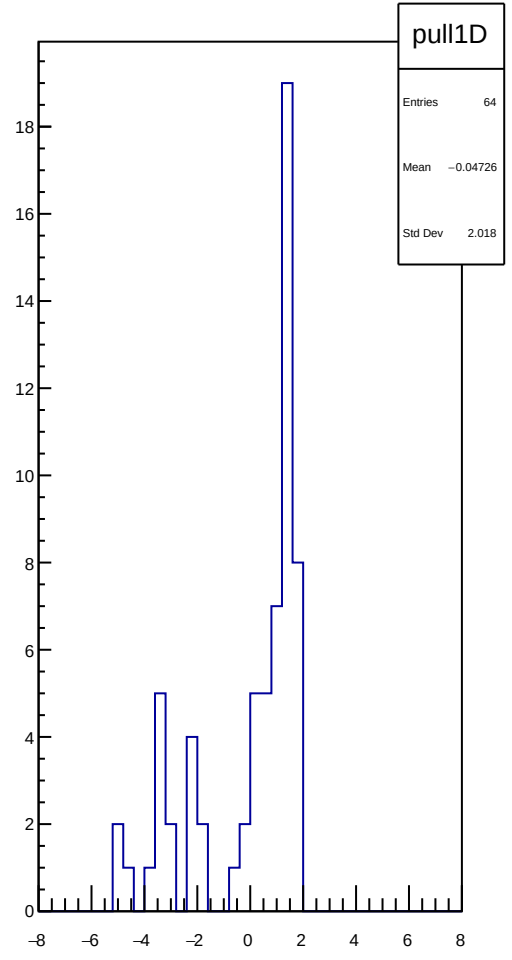

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.87 / 63
p0 −23.03 ± 0.7902
pull
Entries 64
Mean 285.1
Std Dev 0
pull1D
Entries 64
Mean 0.02052
Std Dev 0.7588

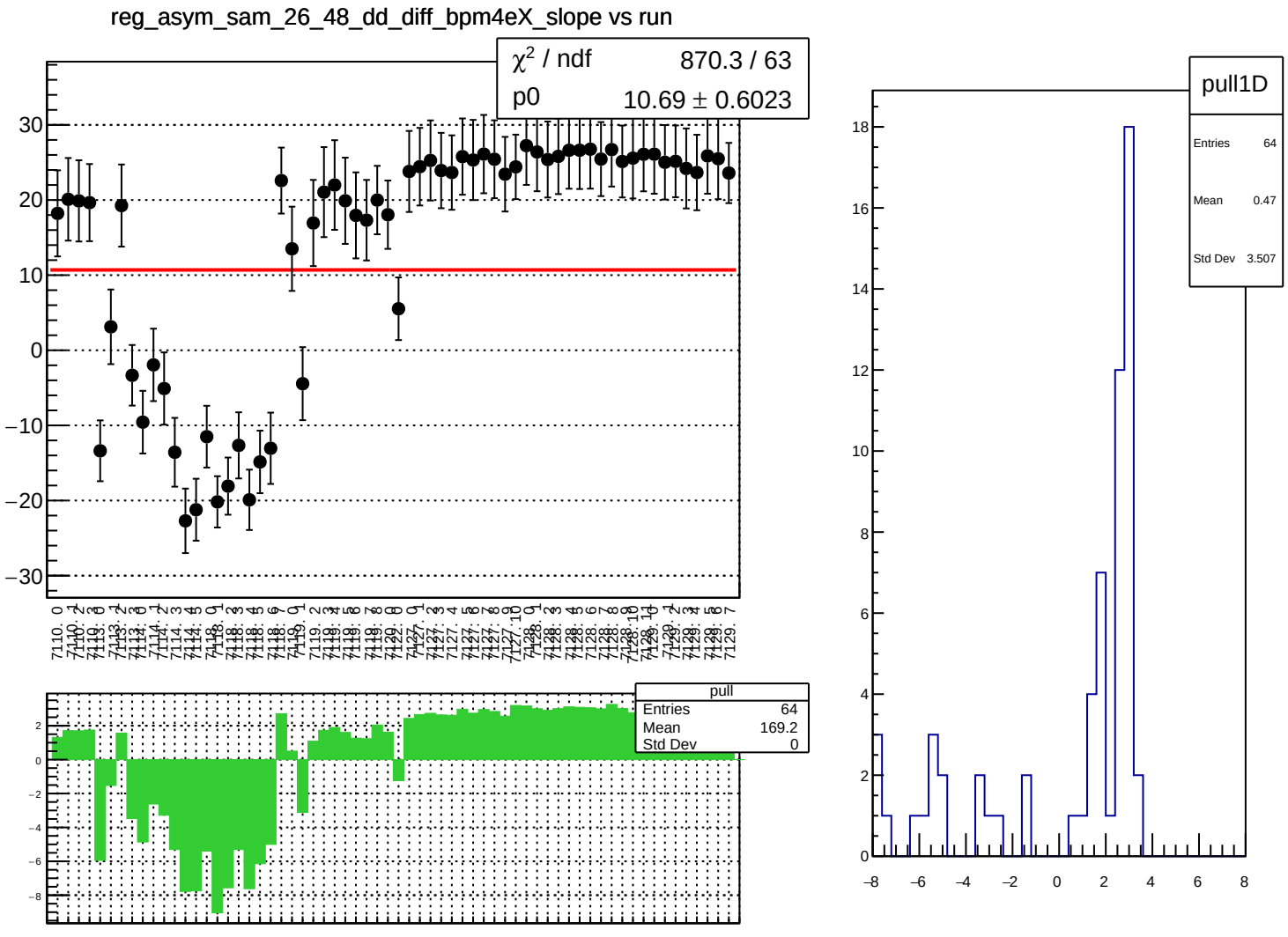

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 12.24 / 63
p0 0.1755 ± 0.03502
pull
Entries 64
Mean −76.23
Std Dev 0
pull1D
Entries 64
Mean −0.01886
Std Dev 0.4369

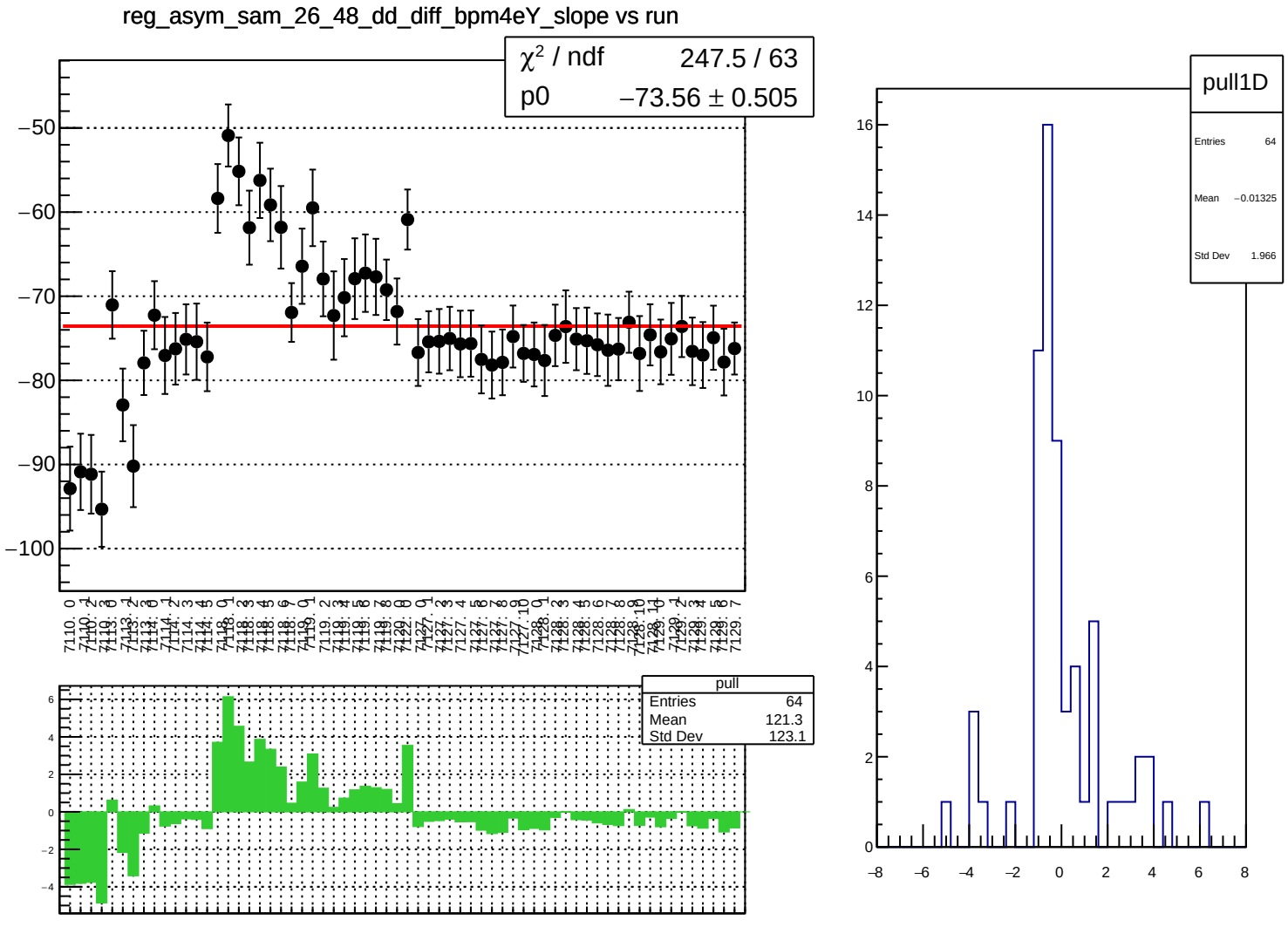

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 968.6 / 63
p0 15.43 ± 0.6064
pull
Entries 64
Mean 153.5
Std Dev 0

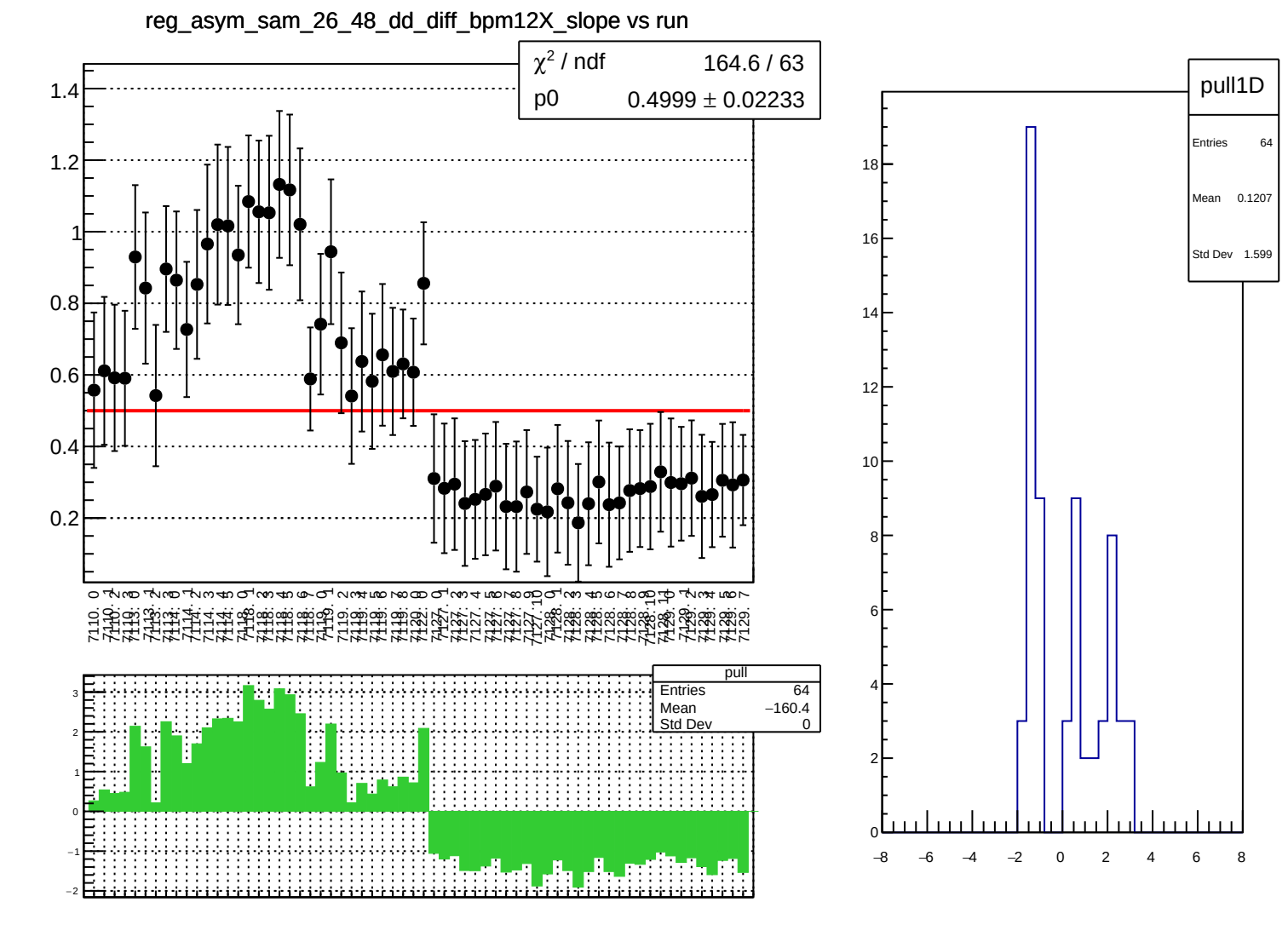

pull1D
Entries 64
Mean −0.8162
Std Dev 3.307

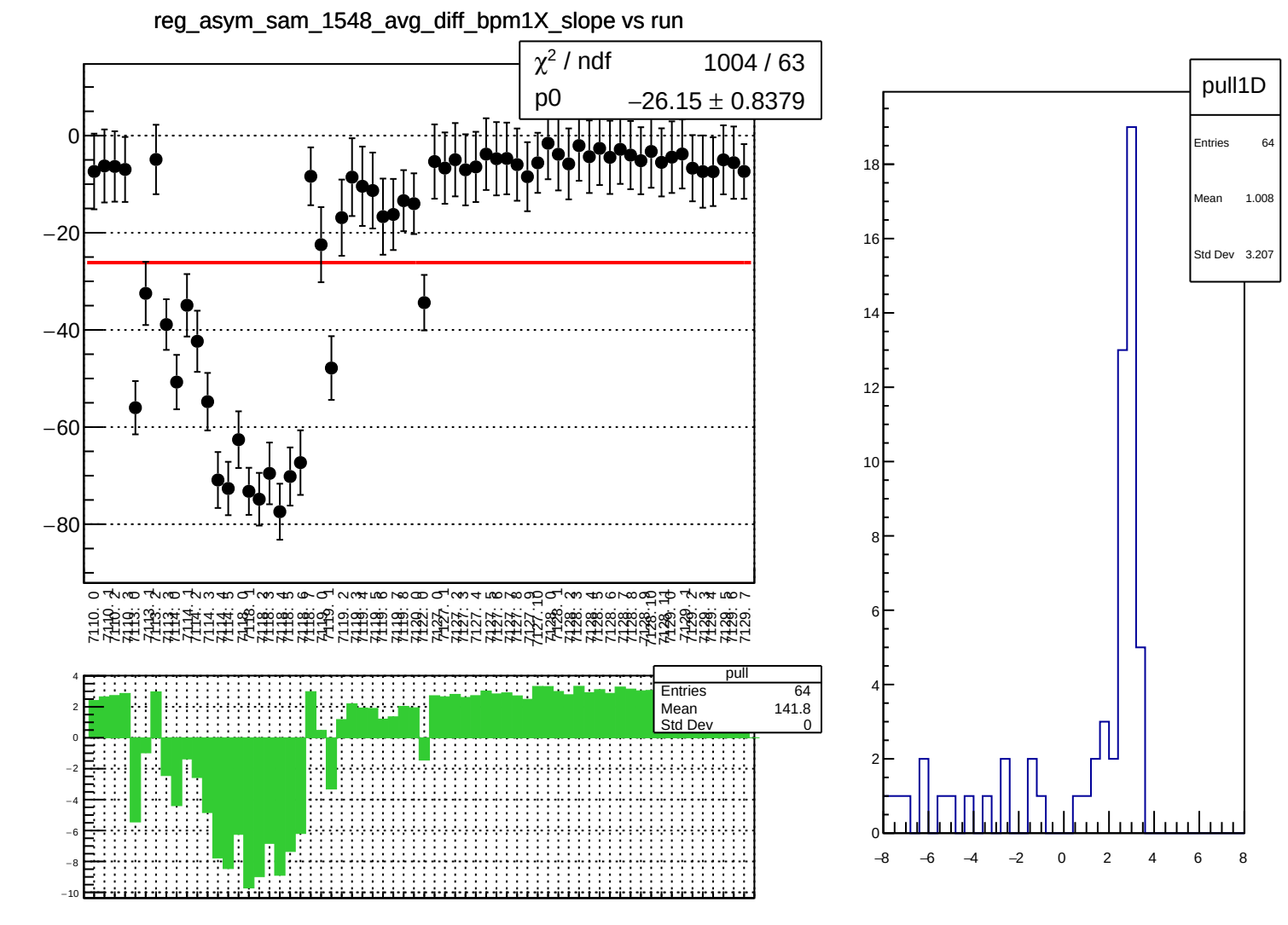

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 260.7 / 63
p0 5.893 ± 0.4789
pull
Entries 64
Mean −429.7
Std Dev 0

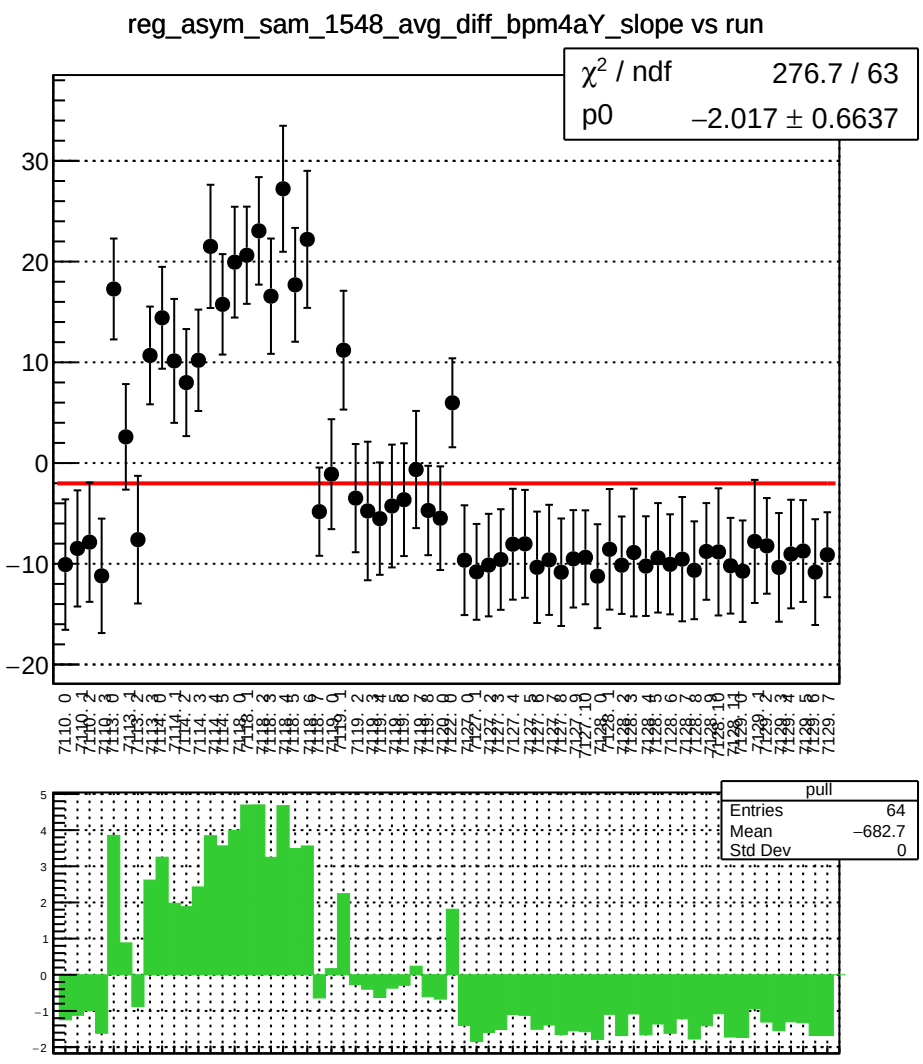

pull1D
Entries 64
Mean −0.04726
Std Dev 2.018

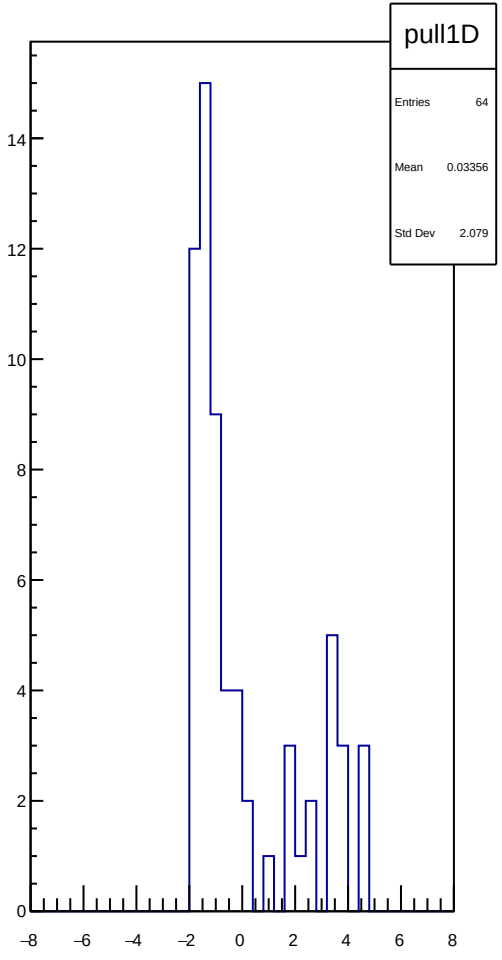

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 870.3 / 63
p0 10.69 ± 0.6023
pull
Entries 64
Mean 169.2
Std Dev 0
pull1D
Entries 64
Mean 0.47
Std Dev 3.507

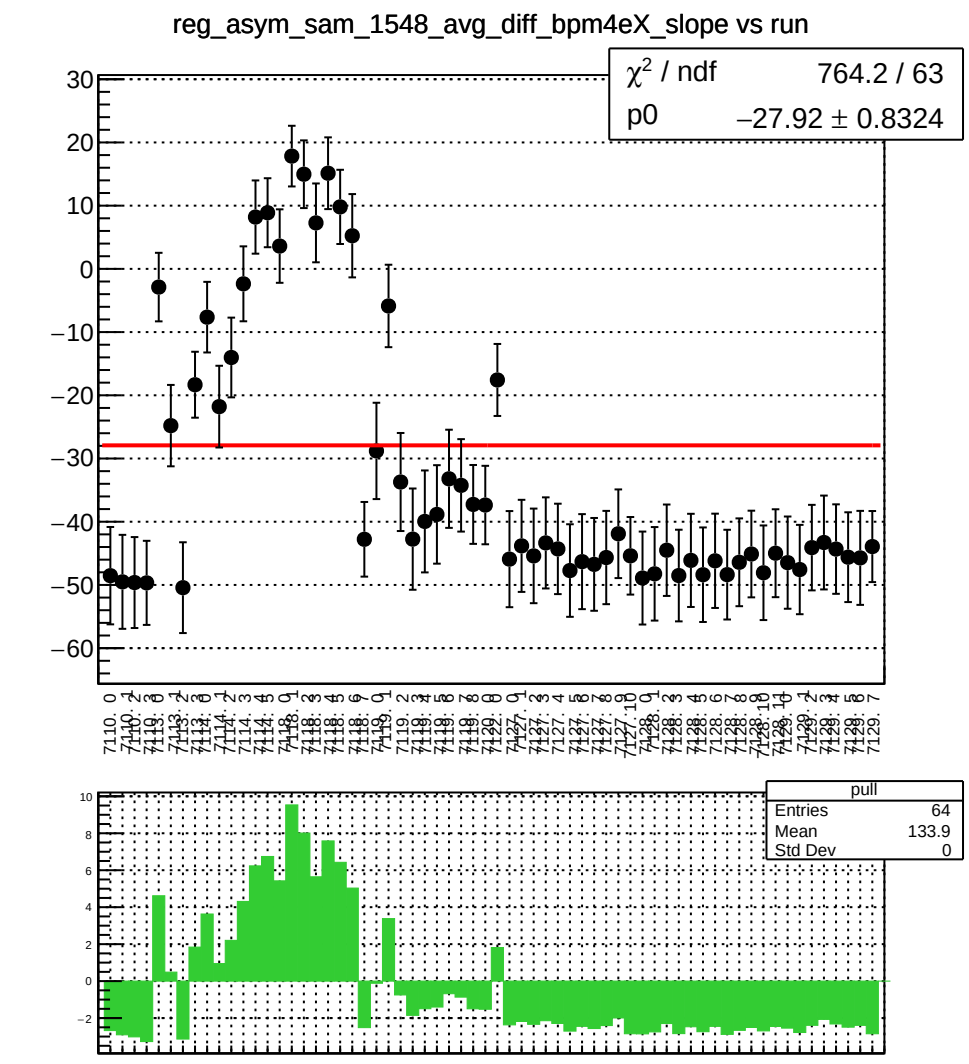

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 247.5 / 63
p0 −73.56 ± 0.505
pull
Entries 64
Mean 121.3
Std Dev 123.1
pull1D
Entries 64
Mean −0.01325
Std Dev 1.966

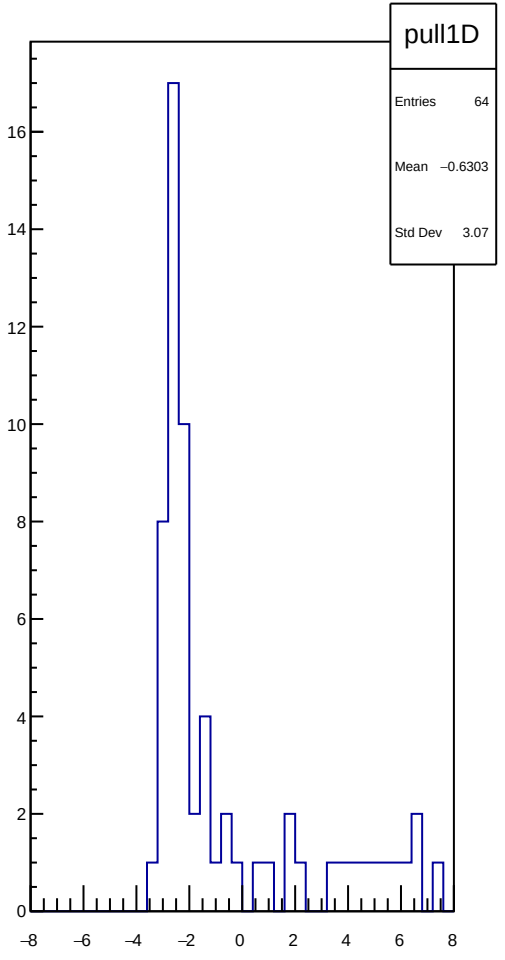

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 164.6 / 63
p0 0.4999 ± 0.02233
pull
Entries 64
Mean −160.4
Std Dev 0
pull1D
Entries 64
Mean 0.1207
Std Dev 1.599

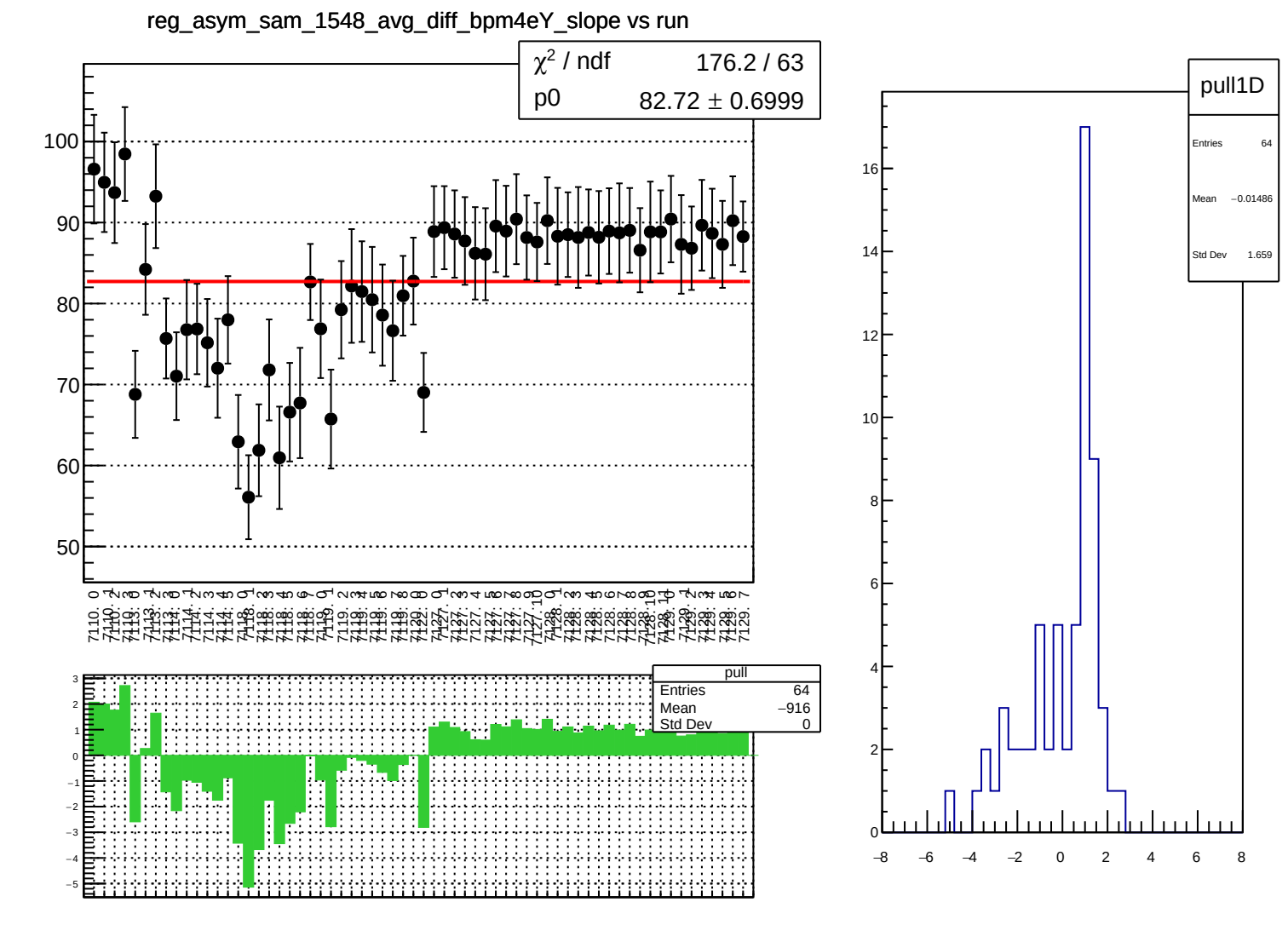

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1004 / 63
p0 −26.15 ± 0.8379
pull
Entries 64
Mean 141.8
Std Dev 0
pull1D
Entries 64
Mean 1.008
Std Dev 3.207

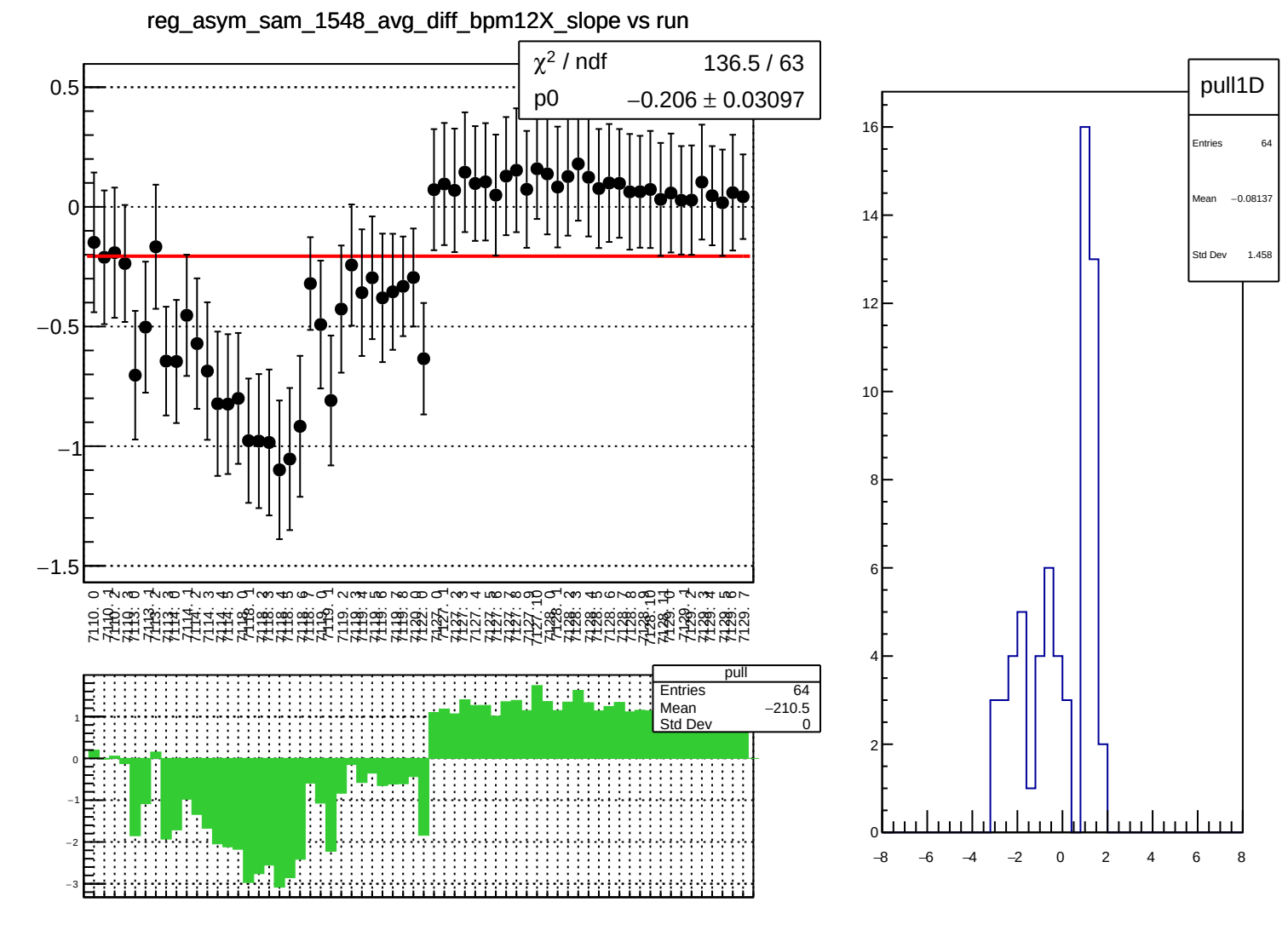

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 276.7 / 63
p0 −2.017 ± 0.6637
pull
Entries 64
Mean −682.7
Std Dev 0

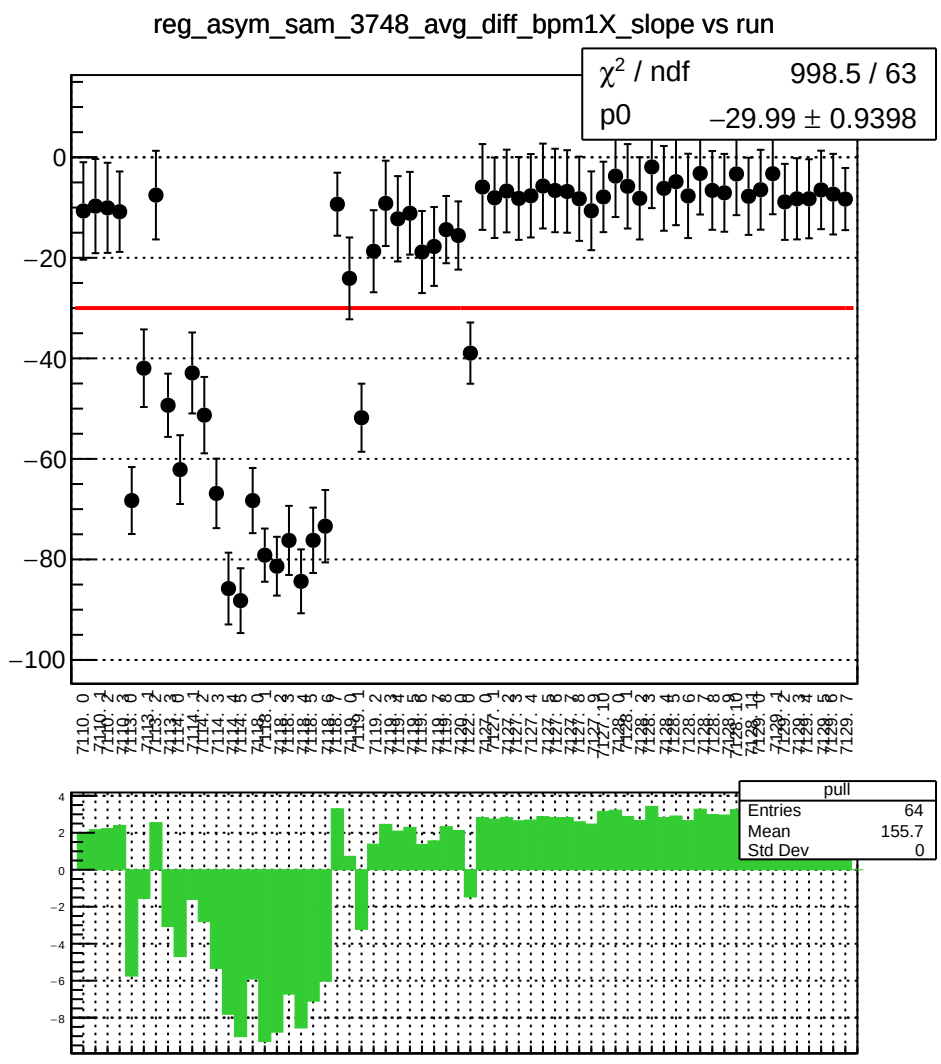

pull1D
Entries 64
Mean 0.03356
Std Dev 2.079

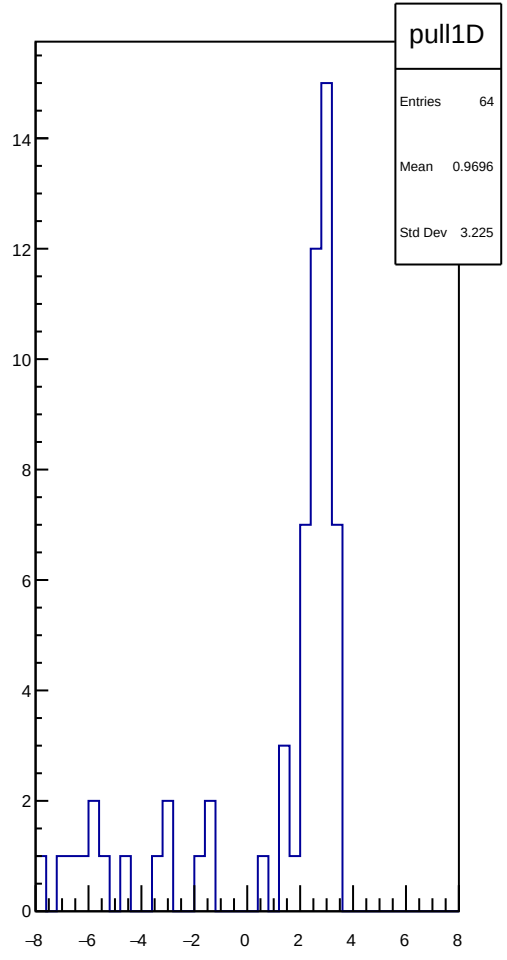

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 764.2 / 63
p0 −27.92 ± 0.8324
pull
Entries 64
Mean 133.9
Std Dev 0

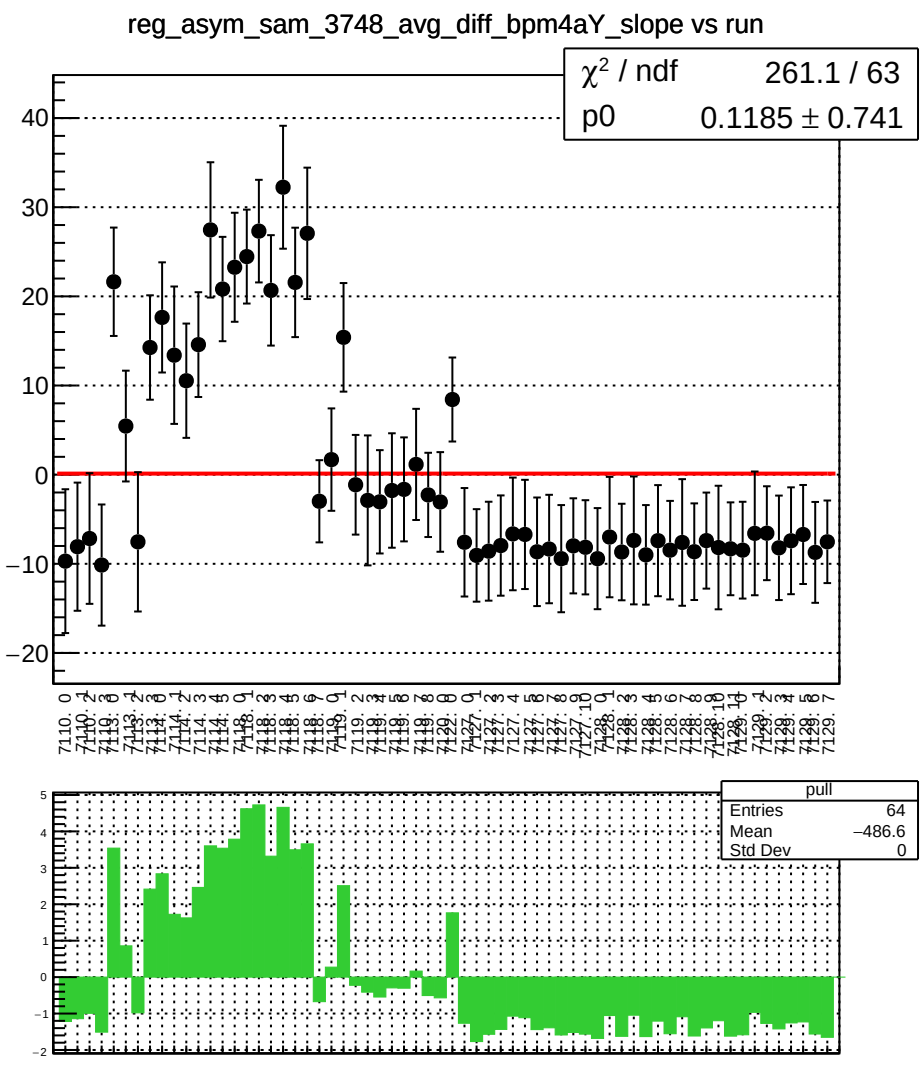

pull1D
Entries 64
Mean −0.6303
Std Dev 3.07

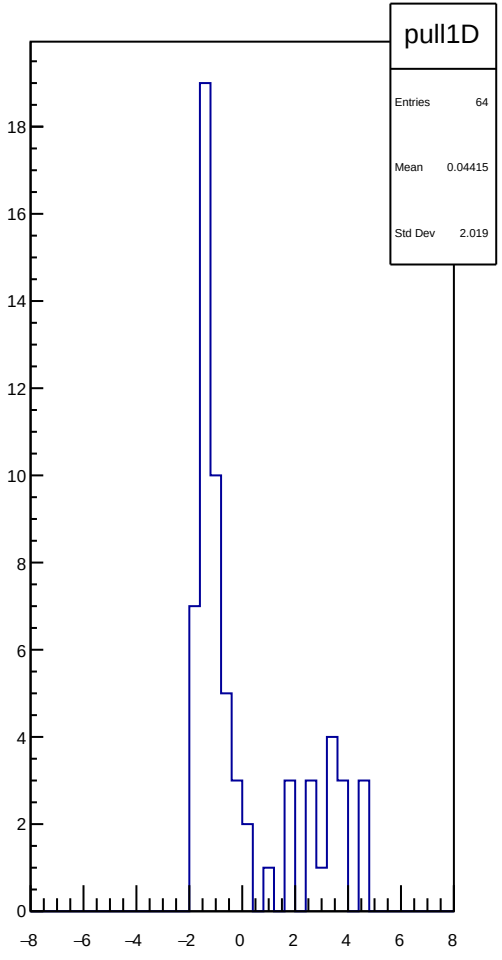

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 176.2 / 63
p0 82.72 ± 0.6999
pull
Entries 64
Mean −916
Std Dev 0
pull1D
Entries 64
Mean −0.01486
Std Dev 1.659

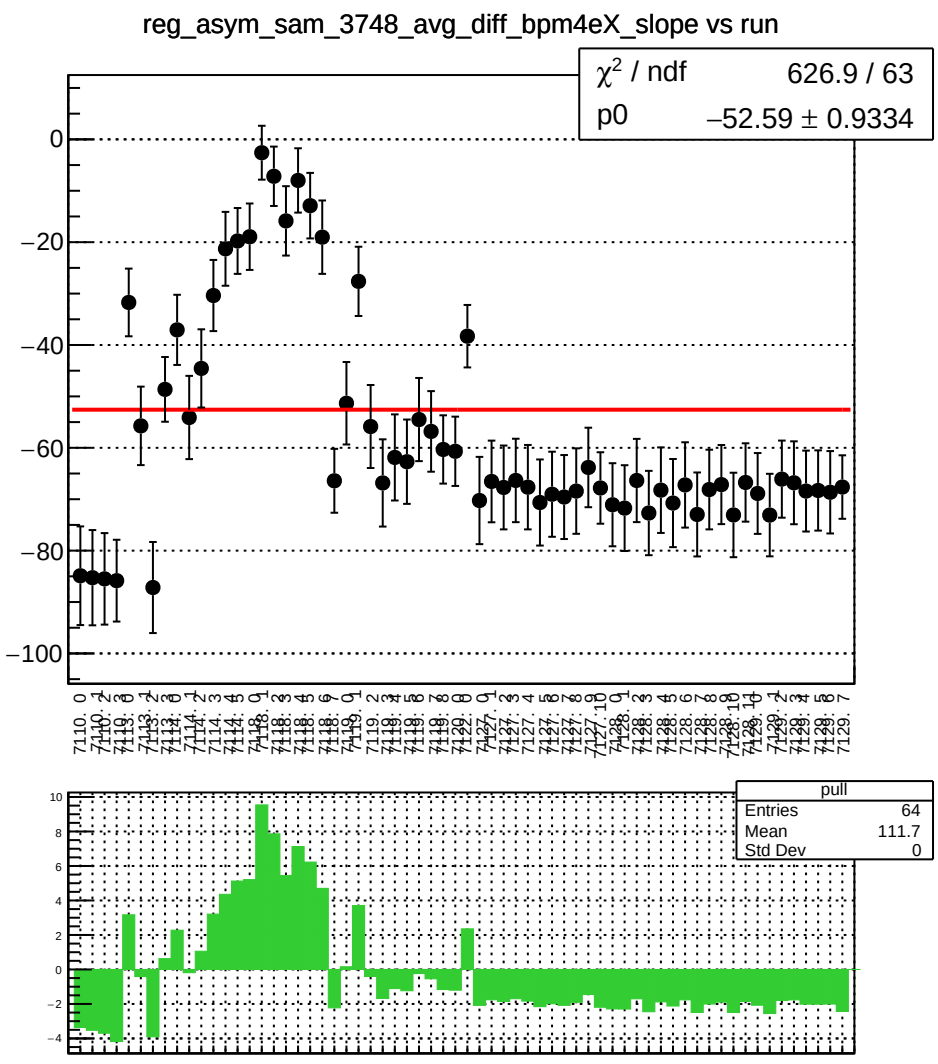

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 136.5 / 63
p0 −0.206 ± 0.03097
pull
Entries 64
Mean −210.5
Std Dev 0
pull1D
Entries 64
Mean −0.08137
Std Dev 1.458

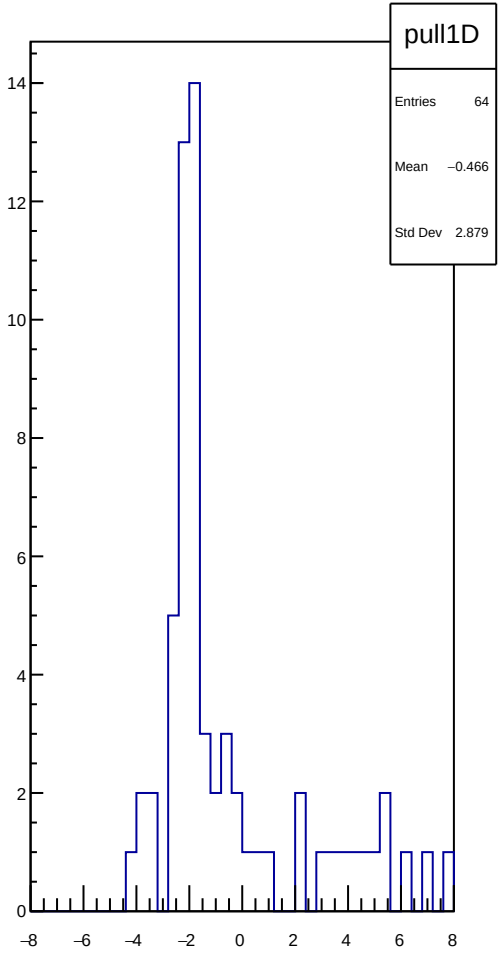

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 998.5 / 63
p0 −29.99 ± 0.9398
pull
Entries 64
Mean 155.7
Std Dev 0

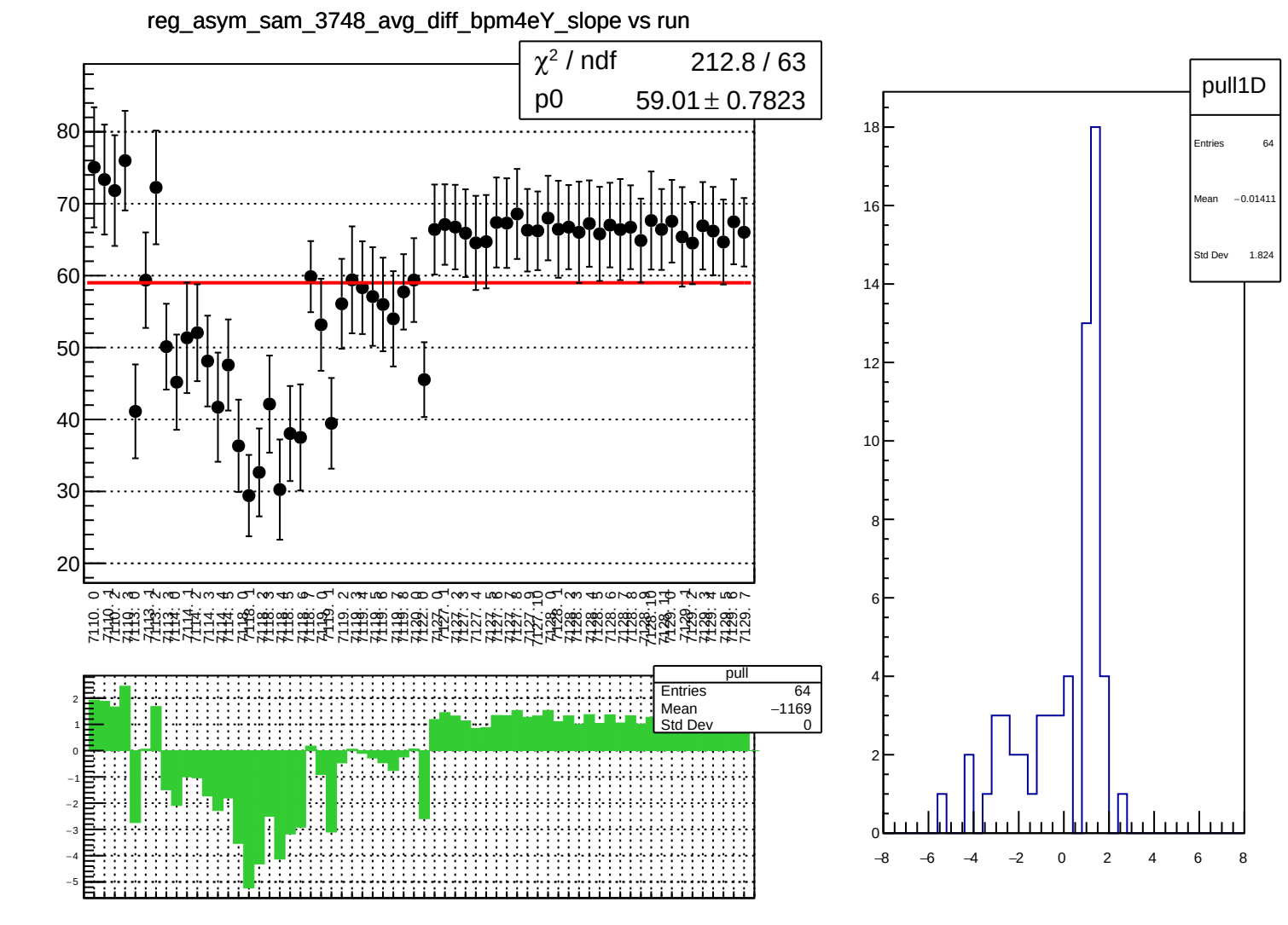

pull1D
Entries 64
Mean 0.9696
Std Dev 3.225

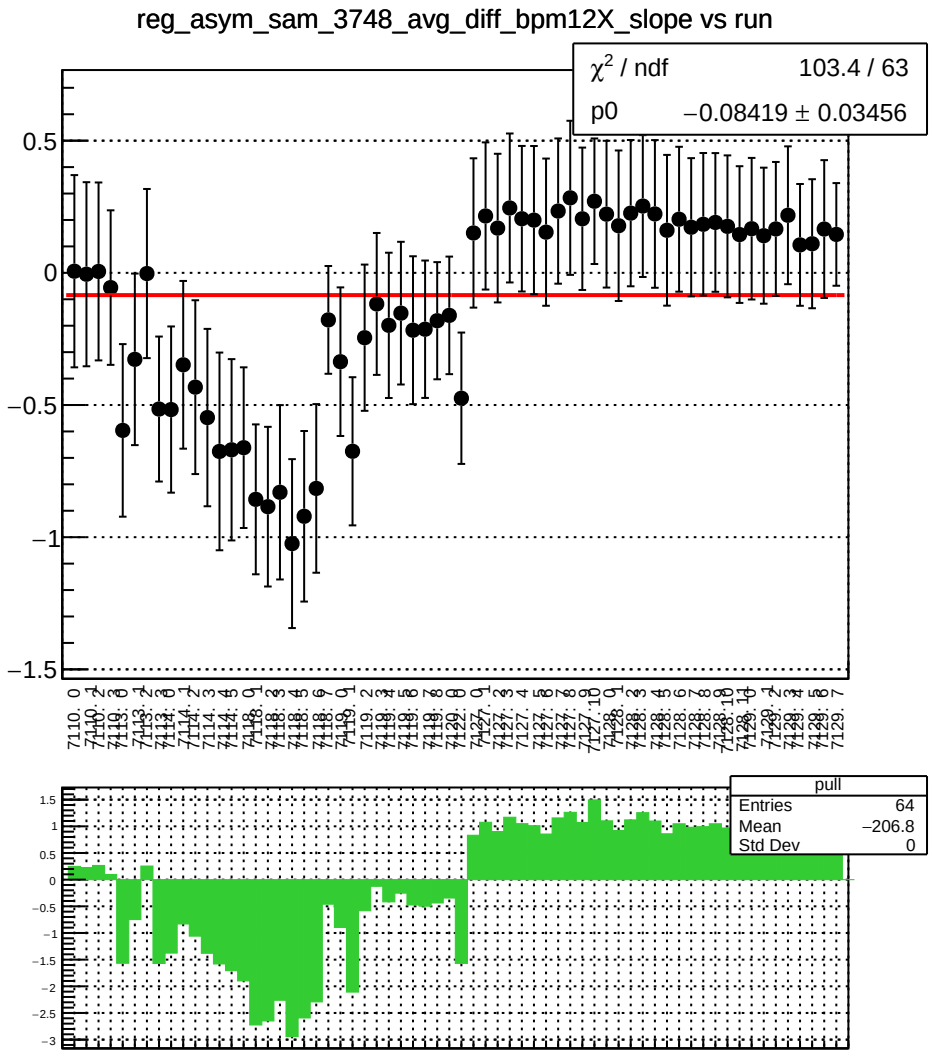

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 261.1 / 63
p0 0.1185 ± 0.741
pull
Entries 64
Mean −486.6
Std Dev 0

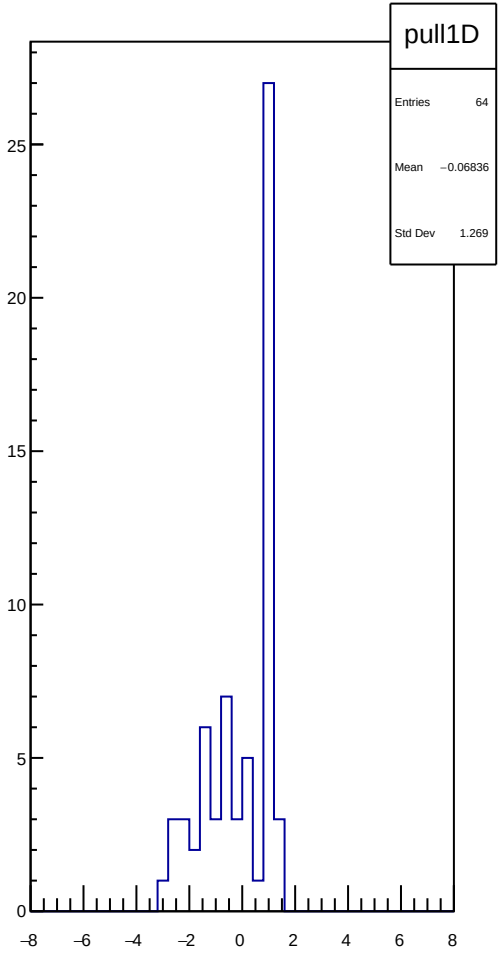

pull1D
Entries 64
Mean 0.04415
Std Dev 2.019

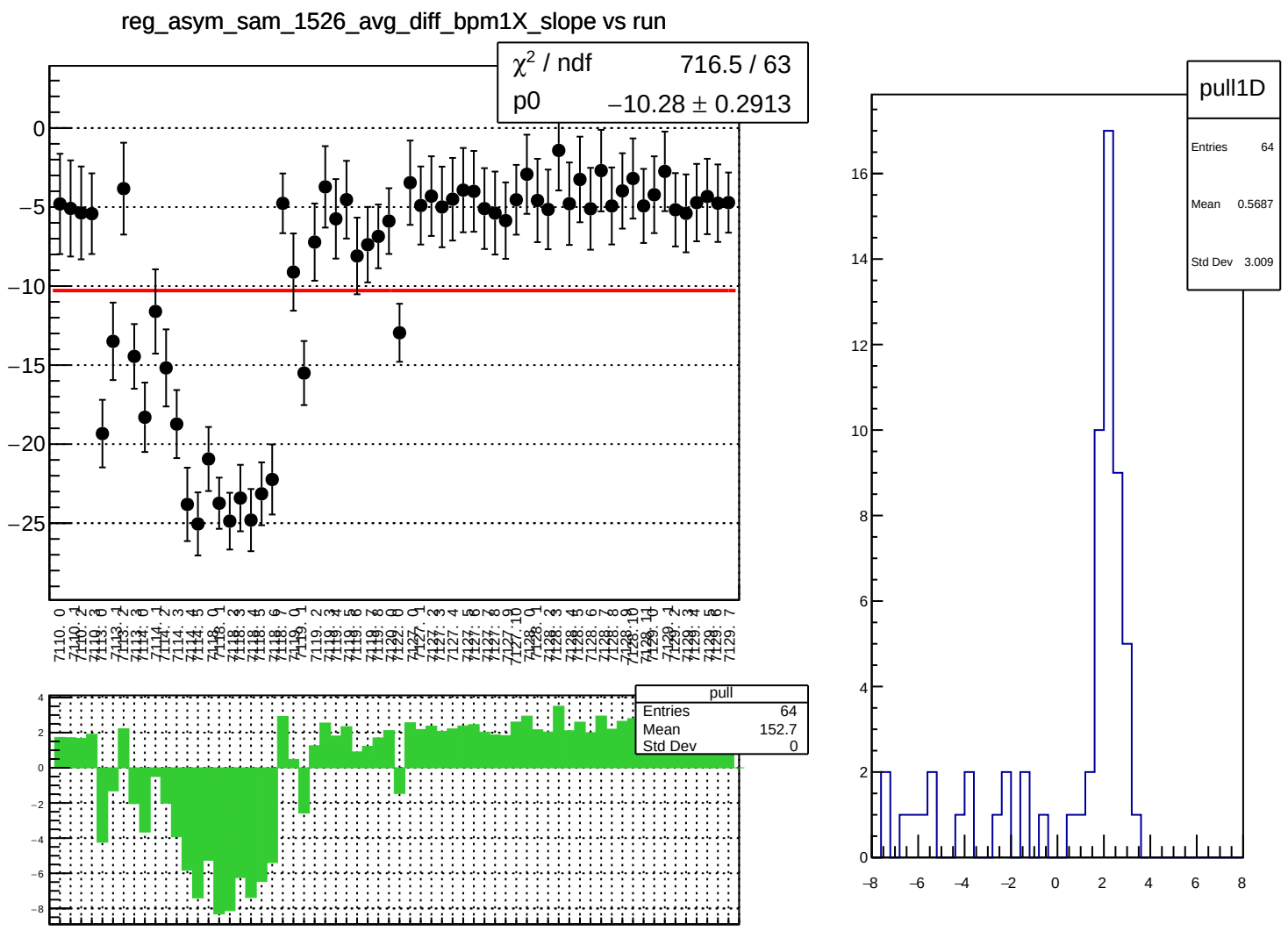

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 626.9 / 63
p0 −52.59 ± 0.9334
pull
Entries 64
Mean 111.7
Std Dev 0

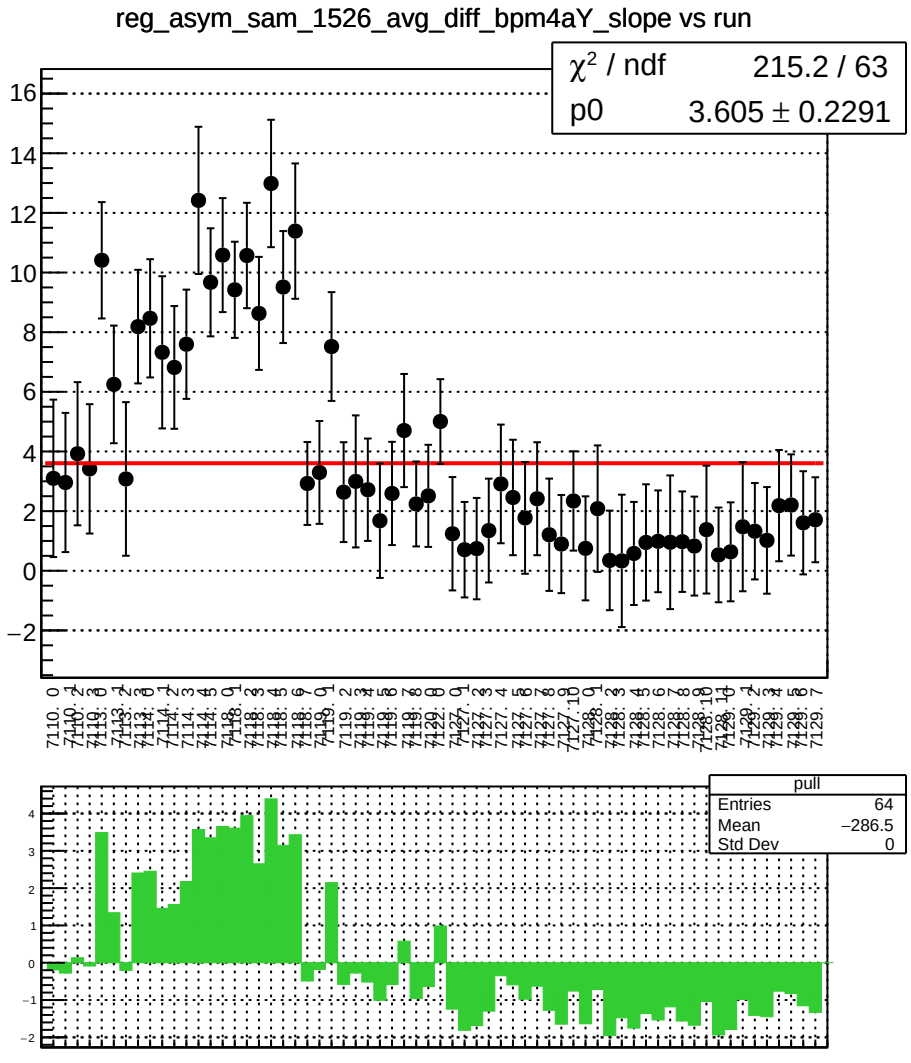

pull1D
Entries 64
Mean −0.466
Std Dev 2.879

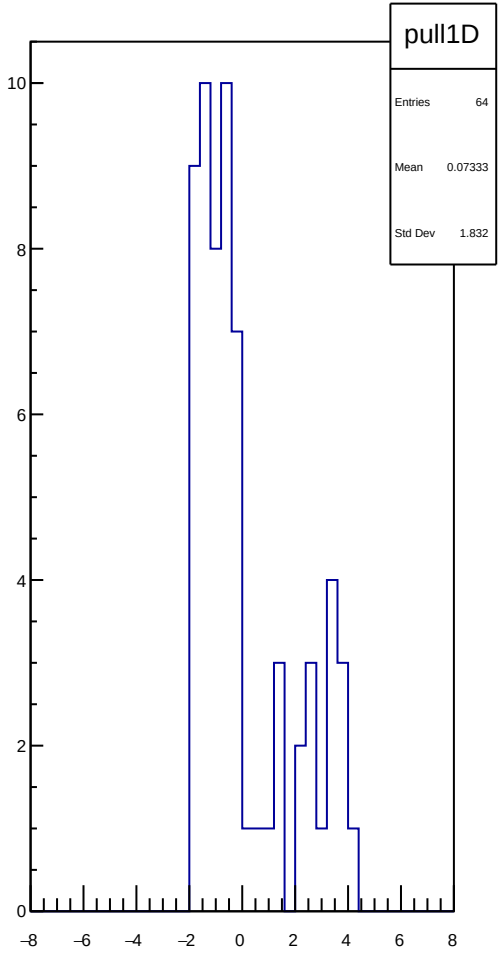

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 212.8 / 63
p0 59.01 ± 0.7823
pull
Entries 64
Mean −1169
Std Dev 0
pull1D
Entries 64
Mean −0.01411
Std Dev 1.824

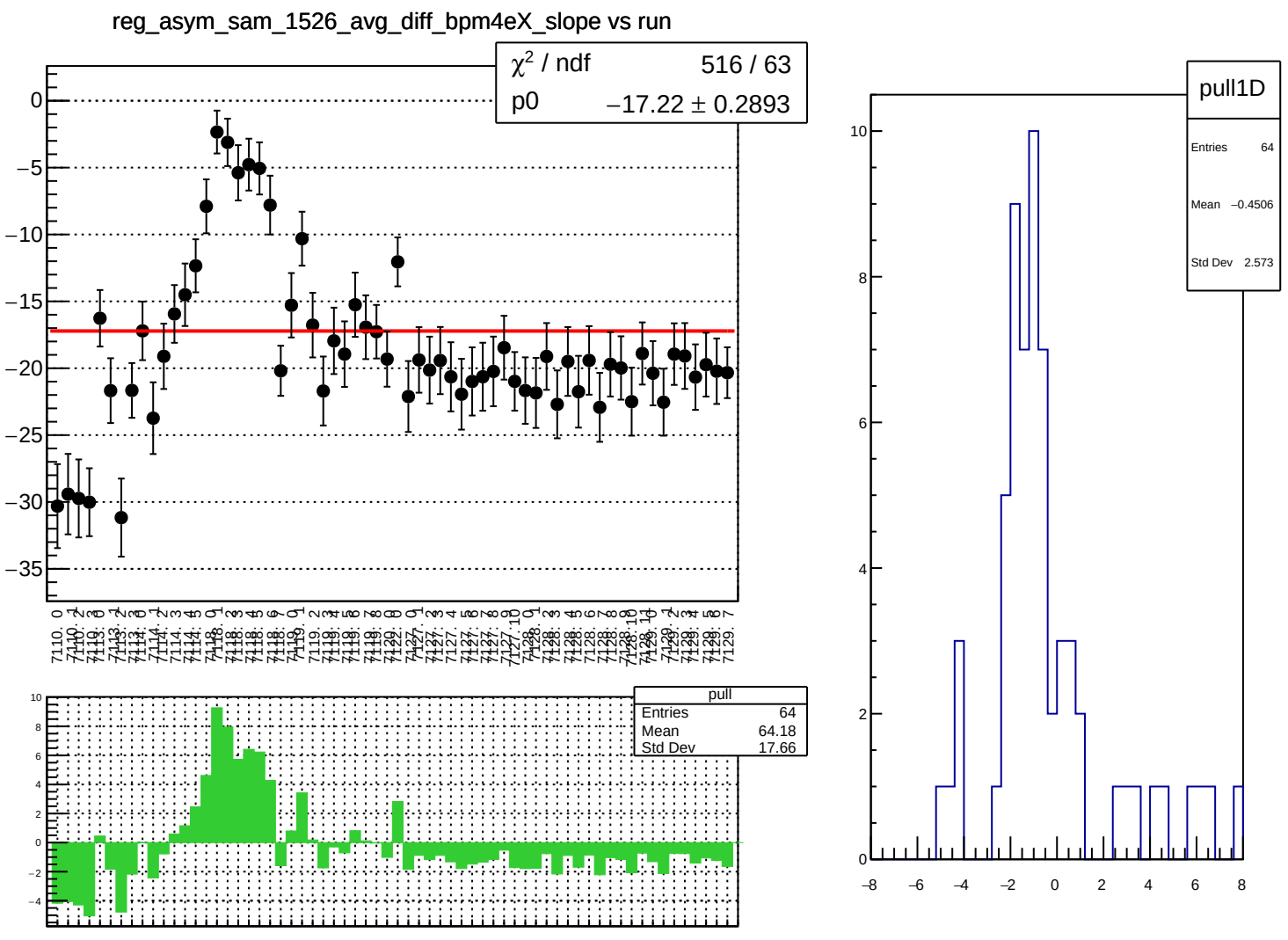

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 103.4 / 63
p0 −0.08419 ± 0.03456
pull
Entries 64
Mean −206.8
Std Dev 0

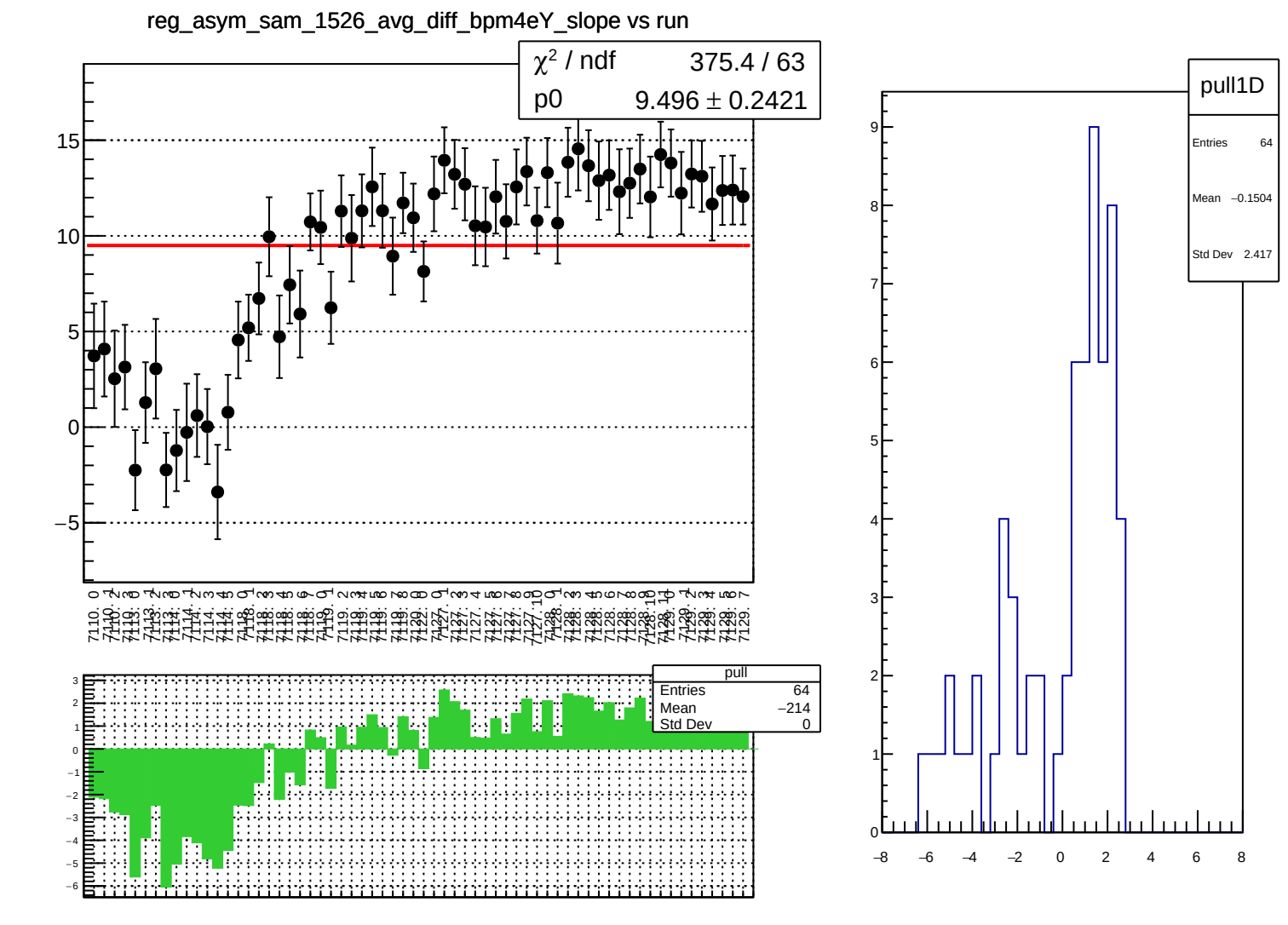

pull1D
Entries 64
Mean −0.06836
Std Dev 1.269

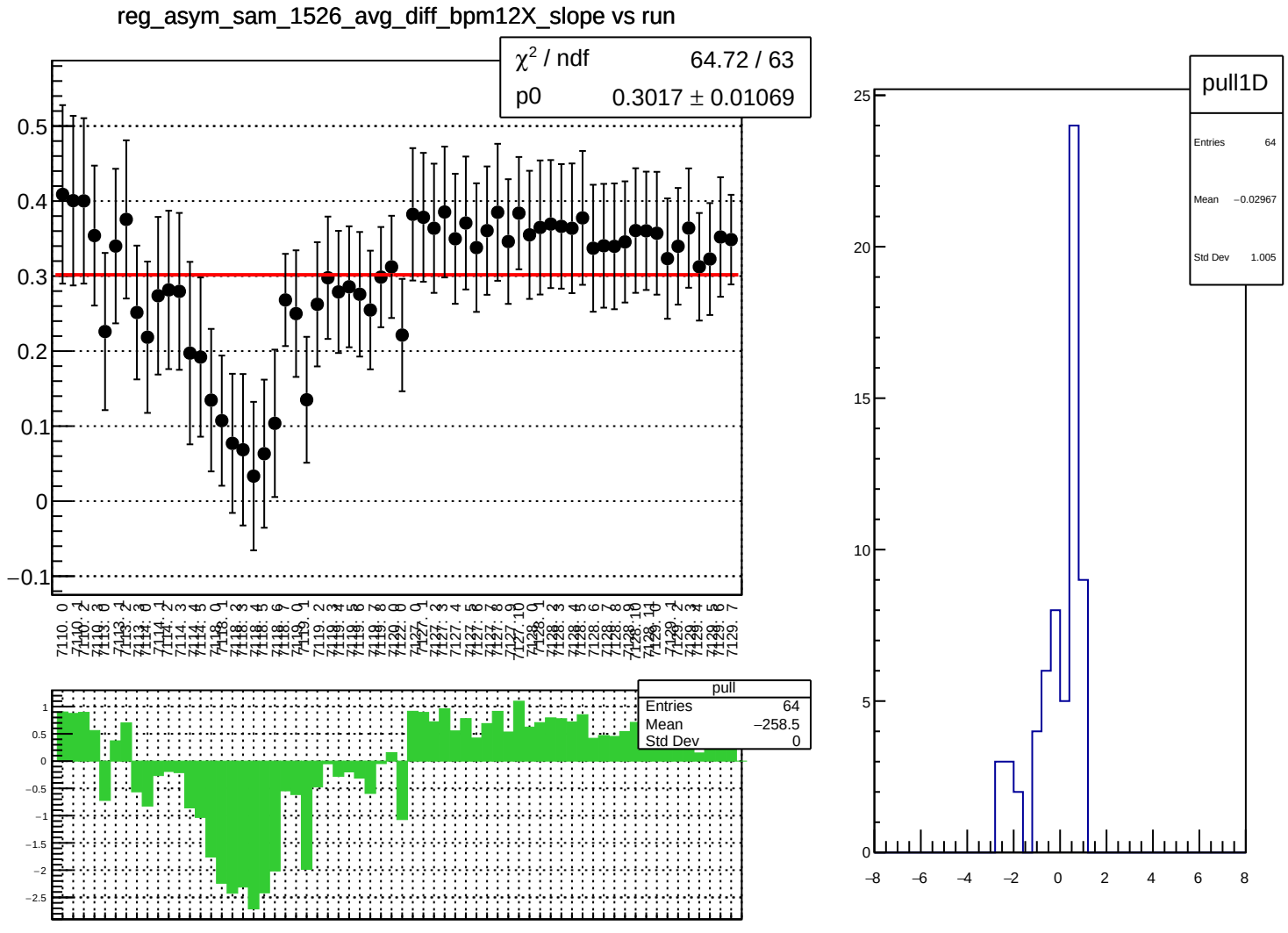

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 716.5 / 63
p0 −10.28 ± 0.2913
pull
Entries 64
Mean 152.7
Std Dev 0
pull1D
Entries 64
Mean 0.5687
Std Dev 3.009

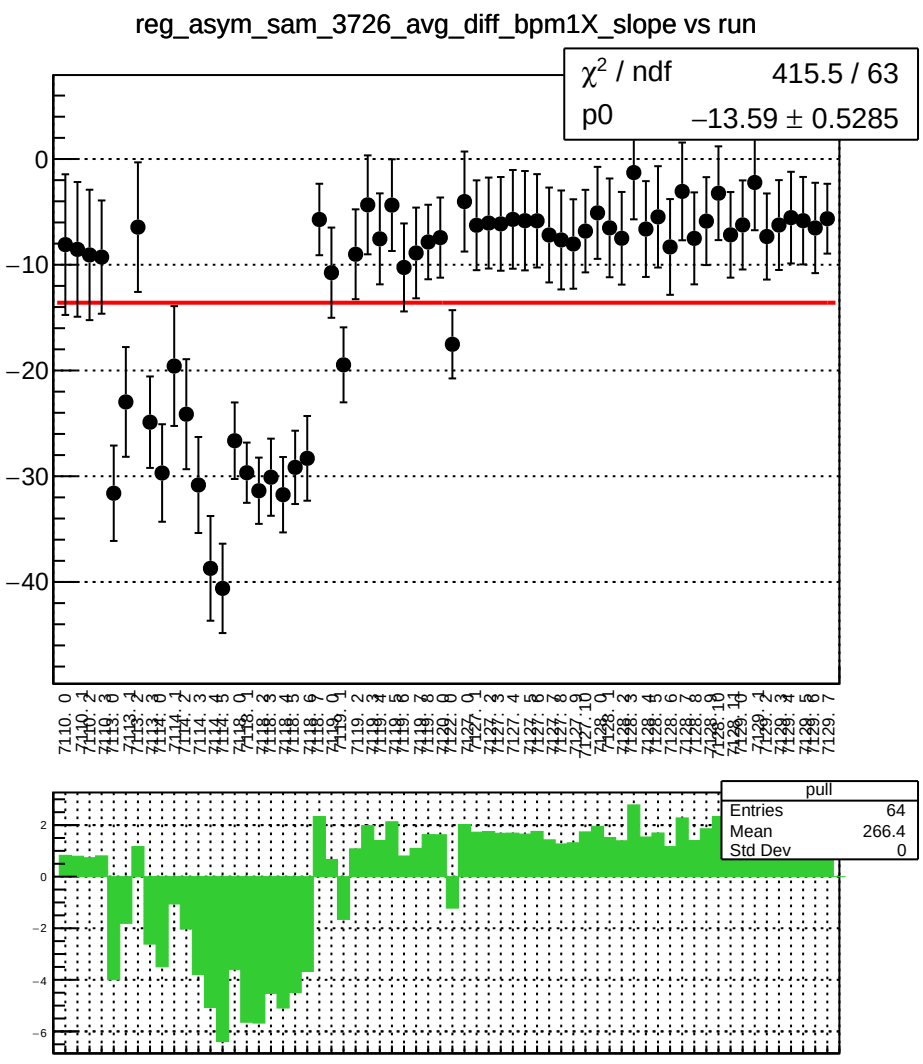

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 215.2 / 63
p0 3.605 ± 0.2291
pull
Entries 64
Mean −286.5
Std Dev 0

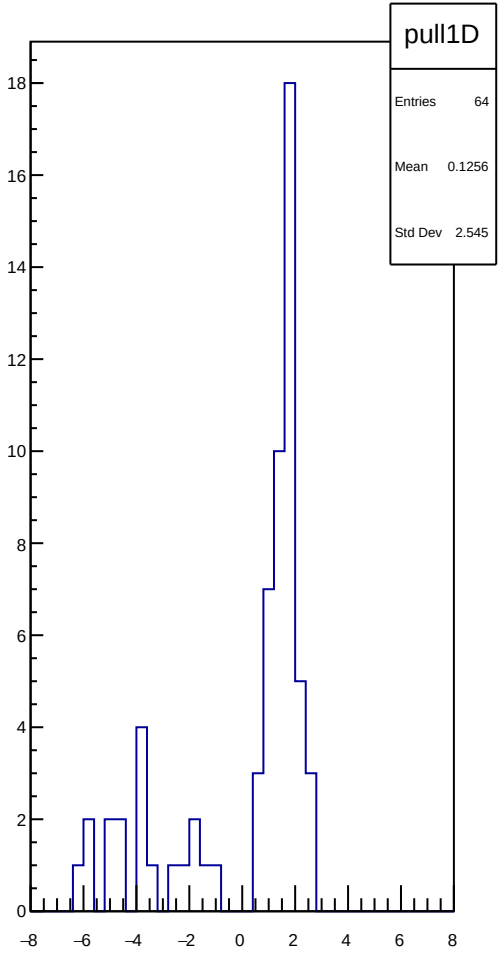

pull1D
Entries 64
Mean 0.07333
Std Dev 1.832

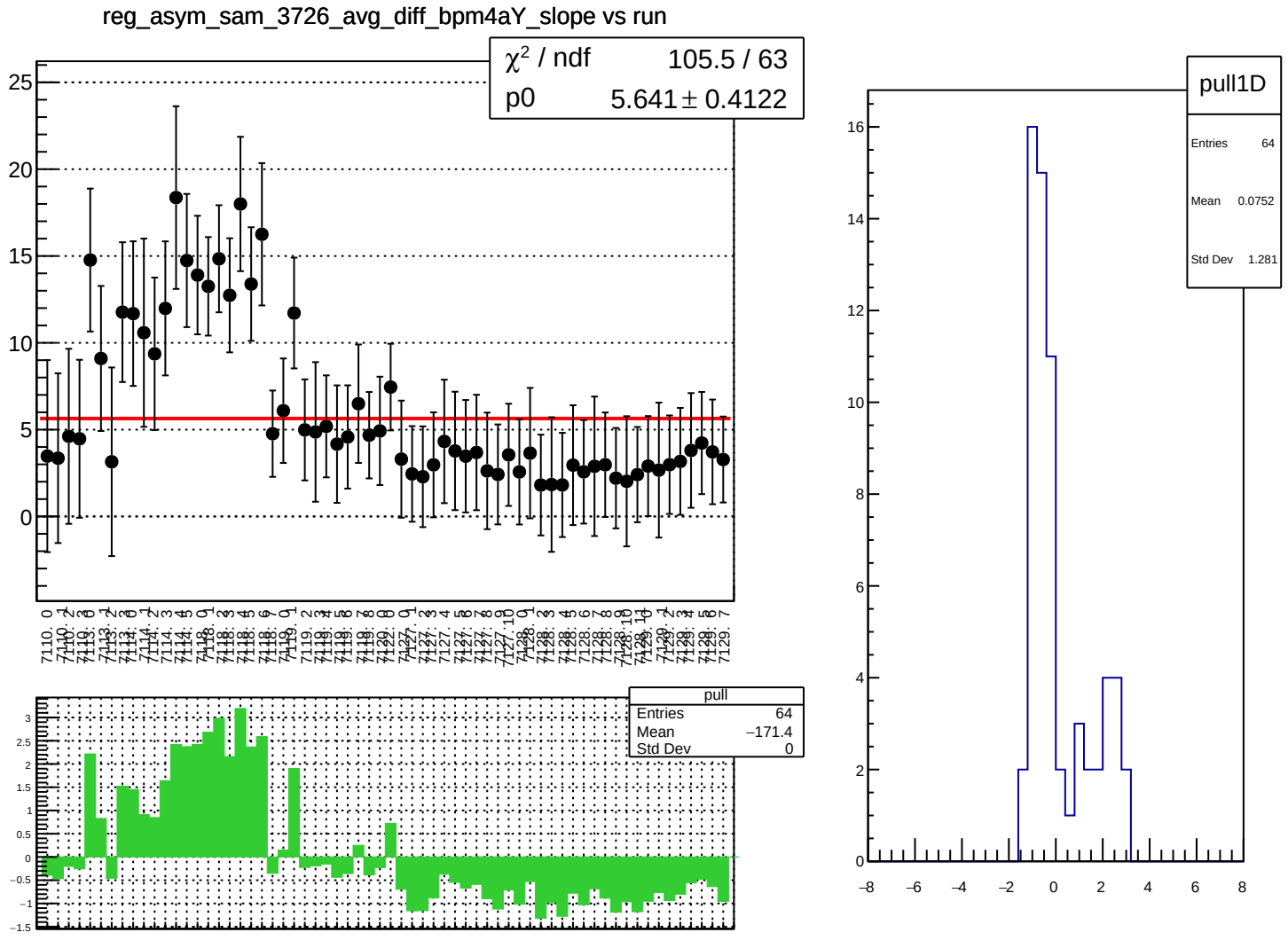

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 516 / 63
p0 −17.22 ± 0.2893
pull
Entries 64
Mean 64.18
Std Dev 17.66
pull1D
Entries 64
Mean −0.4506
Std Dev 2.573

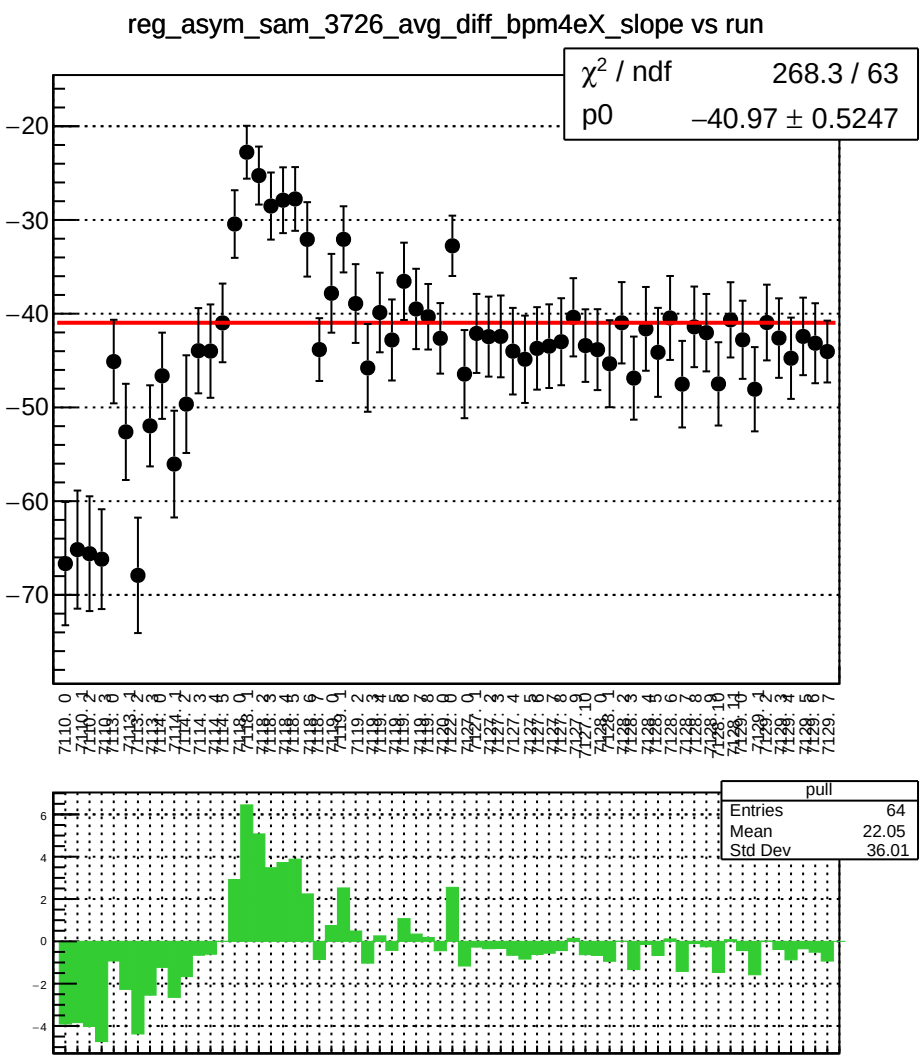

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 375.4 / 63
p0 9.496 ± 0.2421
pull
Entries 64
Mean −214
Std Dev 0
pull1D
Entries 64
Mean −0.1504
Std Dev 2.417

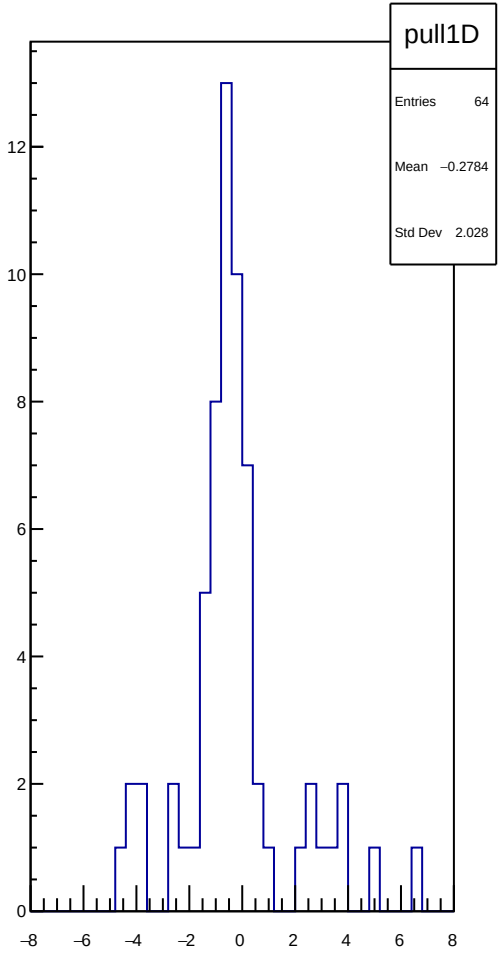

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 64.72 / 63
p0 0.3017 ± 0.01069
pull
Entries 64
Mean −258.5
Std Dev 0
pull1D
Entries 64
Mean −0.02967
Std Dev 1.005

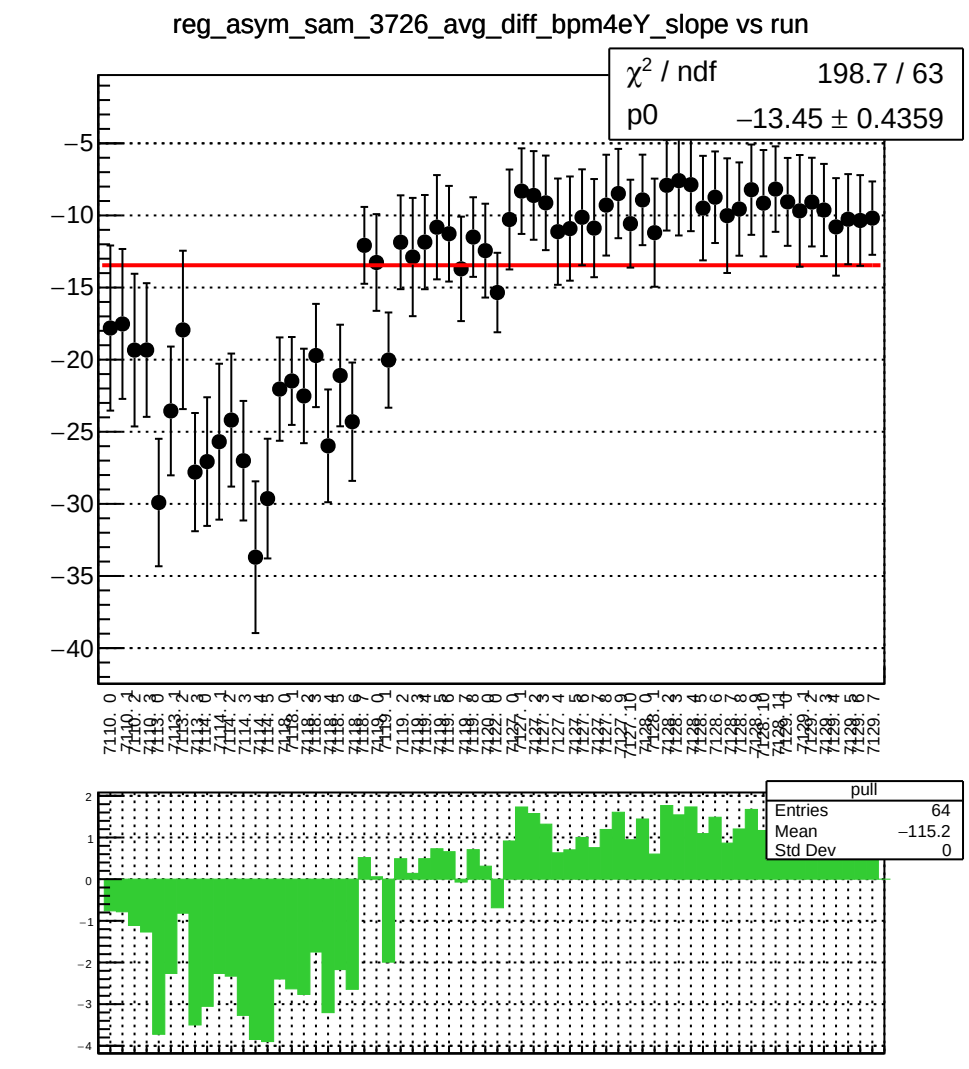

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 415.5 / 63
p0 −13.59 ± 0.5285
pull
Entries 64
Mean 266.4
Std Dev 0

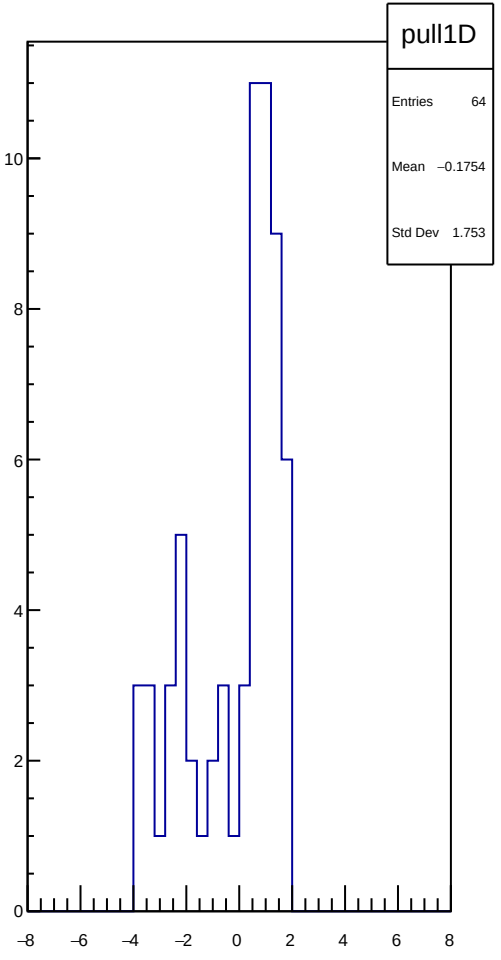

pull1D
Entries 64
Mean 0.1256
Std Dev 2.545

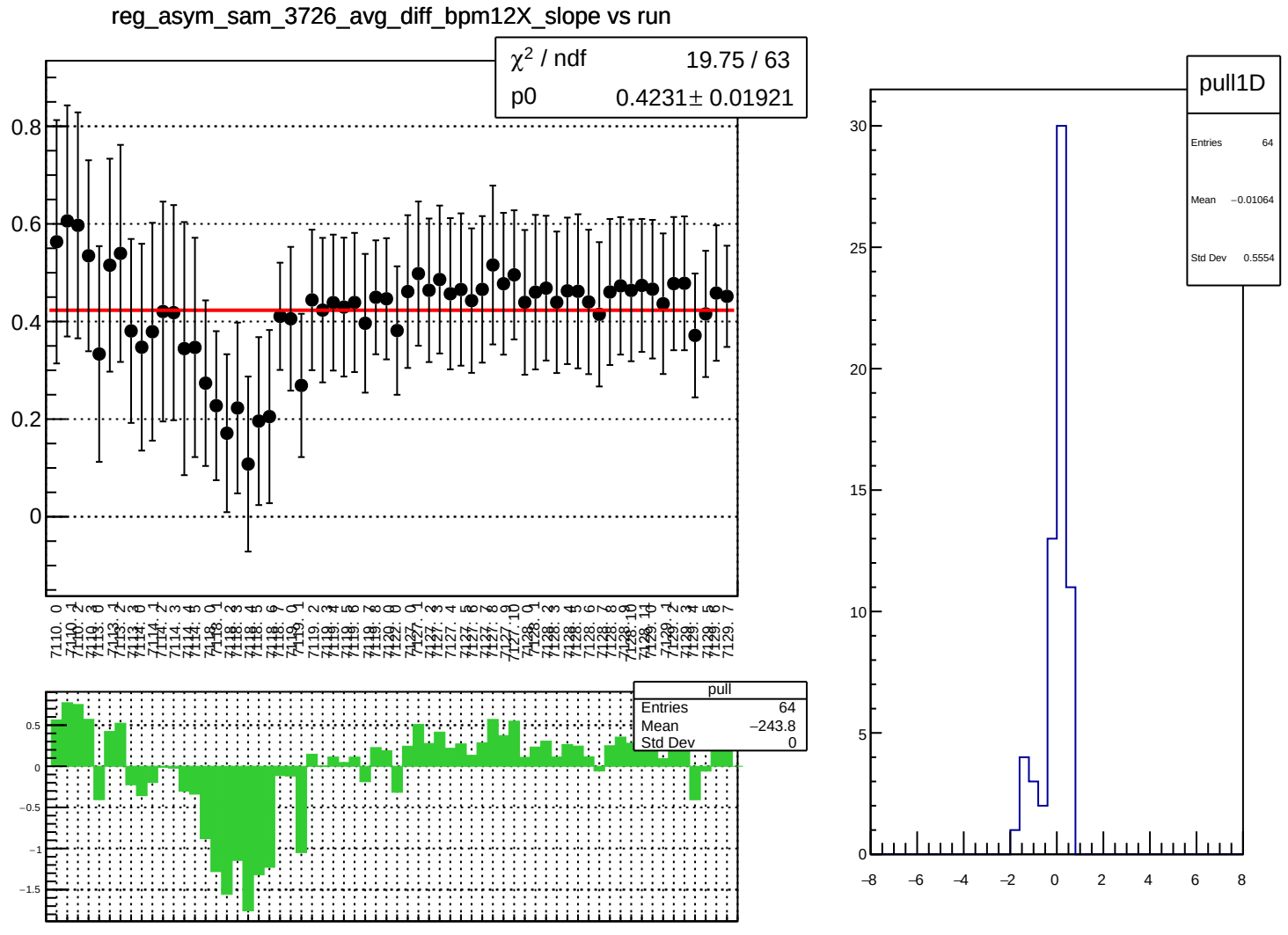

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.5 / 63
p0 5.641 ± 0.4122
pull
Entries 64
Mean −171.4
Std Dev 0
pull1D
Entries 64
Mean 0.0752
Std Dev 1.281

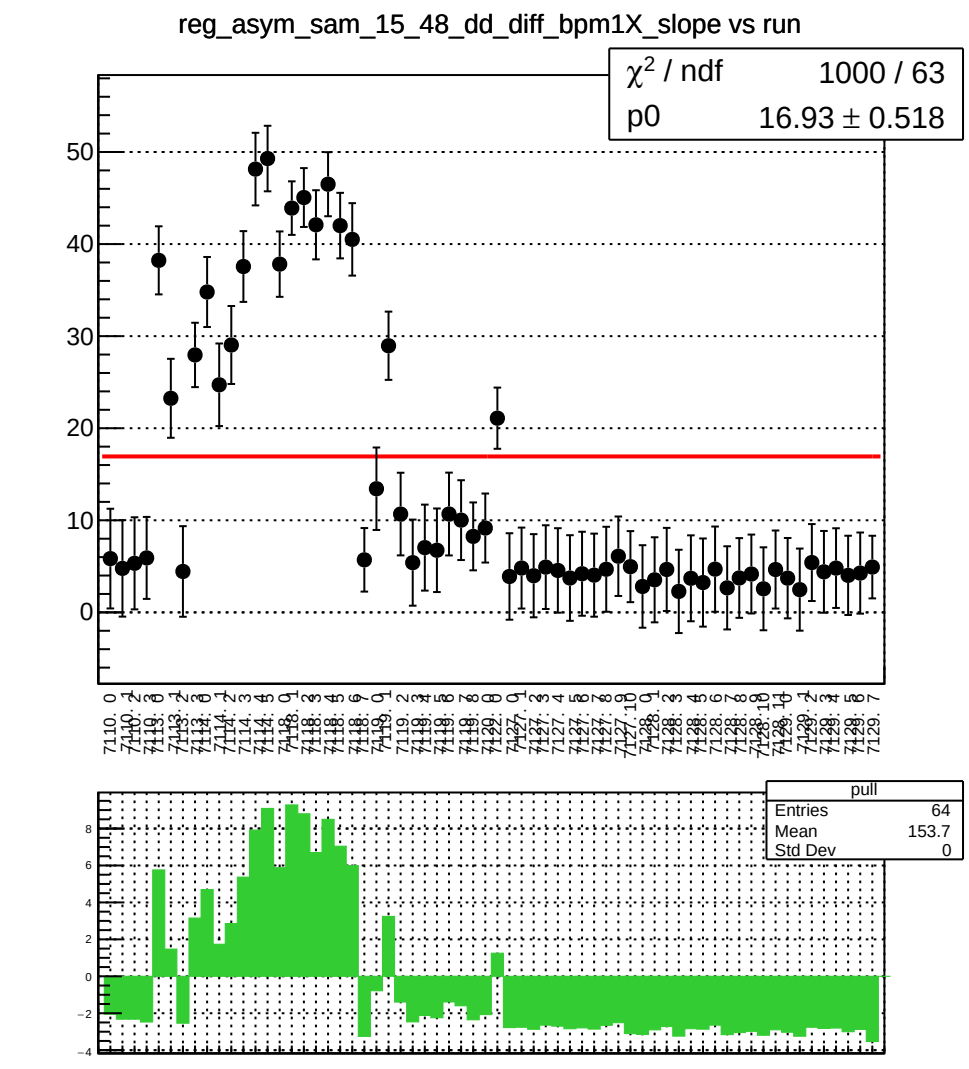

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 268.3 / 63
p0 −40.97 ± 0.5247
pull
Entries 64
Mean 22.05
Std Dev 36.01

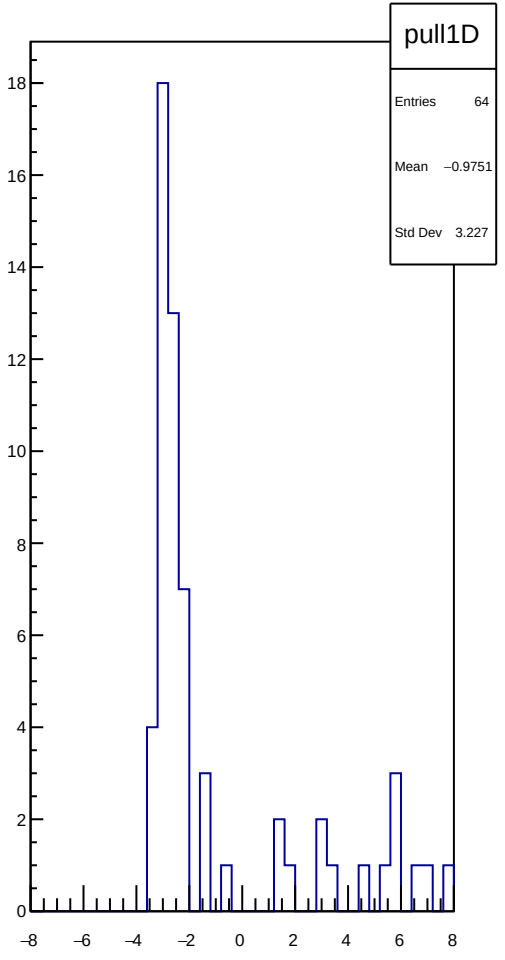

pull1D
Entries 64
Mean −0.2784
Std Dev 2.028

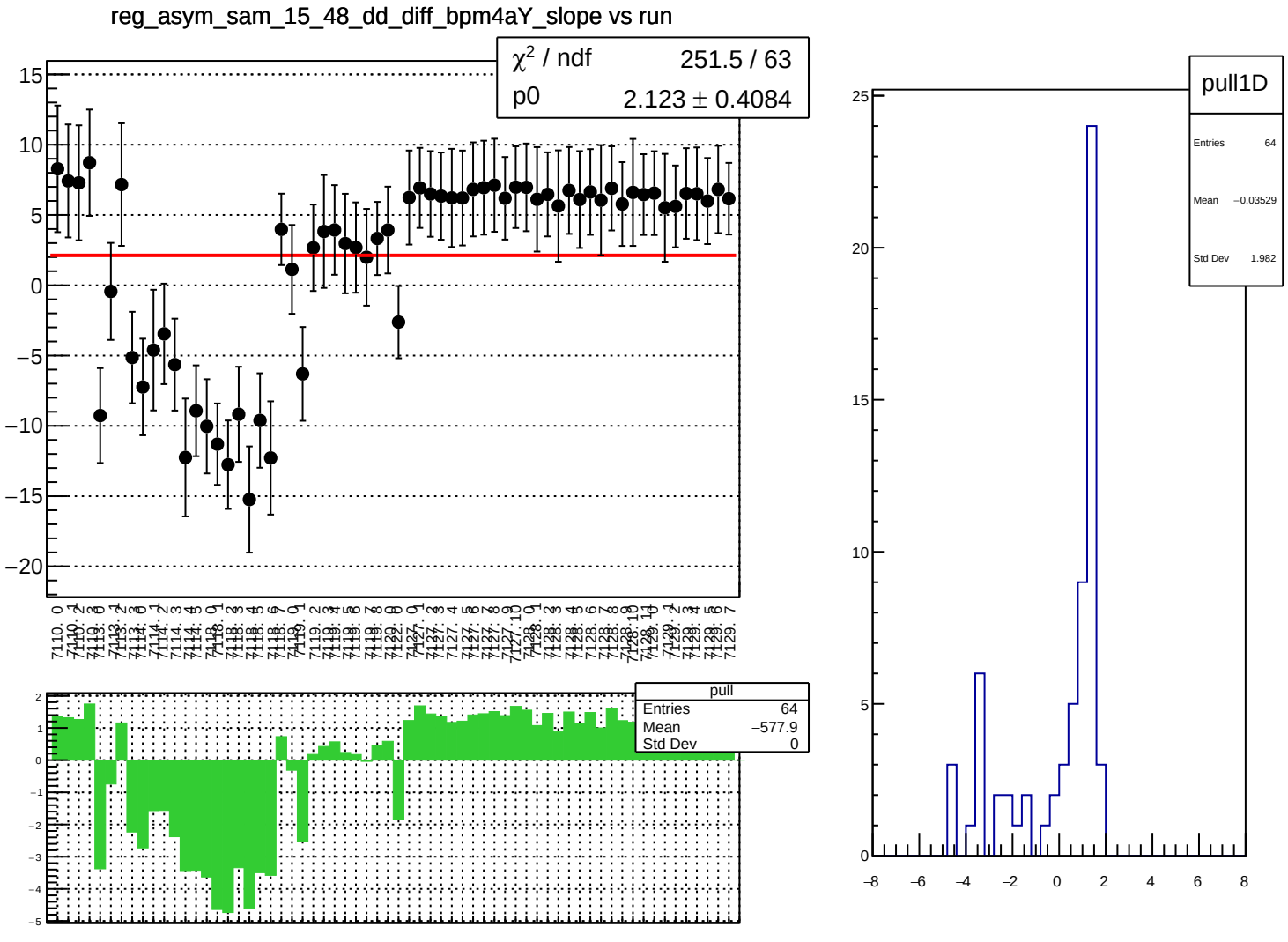

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 198.7 / 63
p0 −13.45 ± 0.4359
pull
Entries 64
Mean −115.2
Std Dev 0

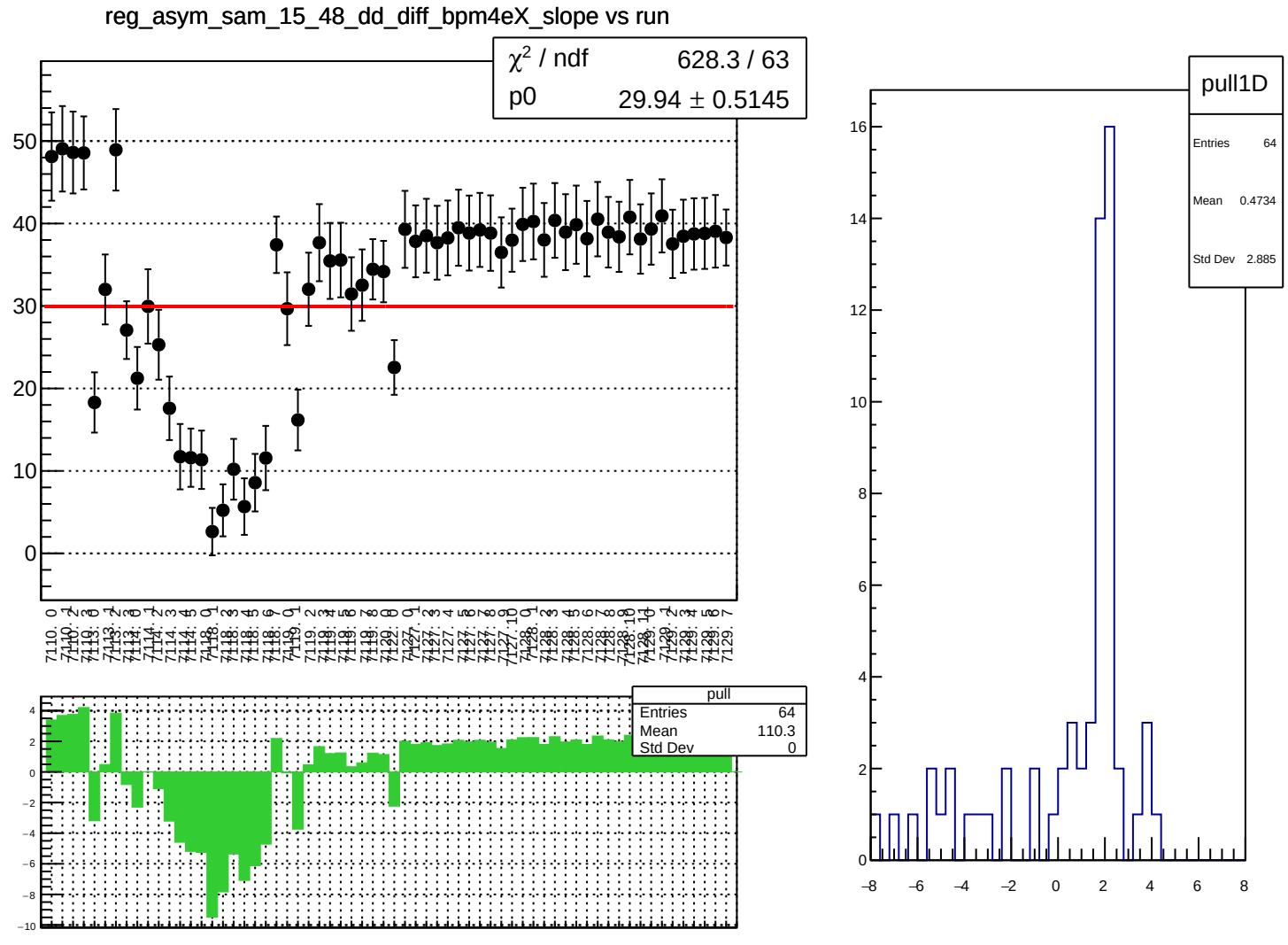

pull1D
Entries 64
Mean −0.1754
Std Dev 1.753

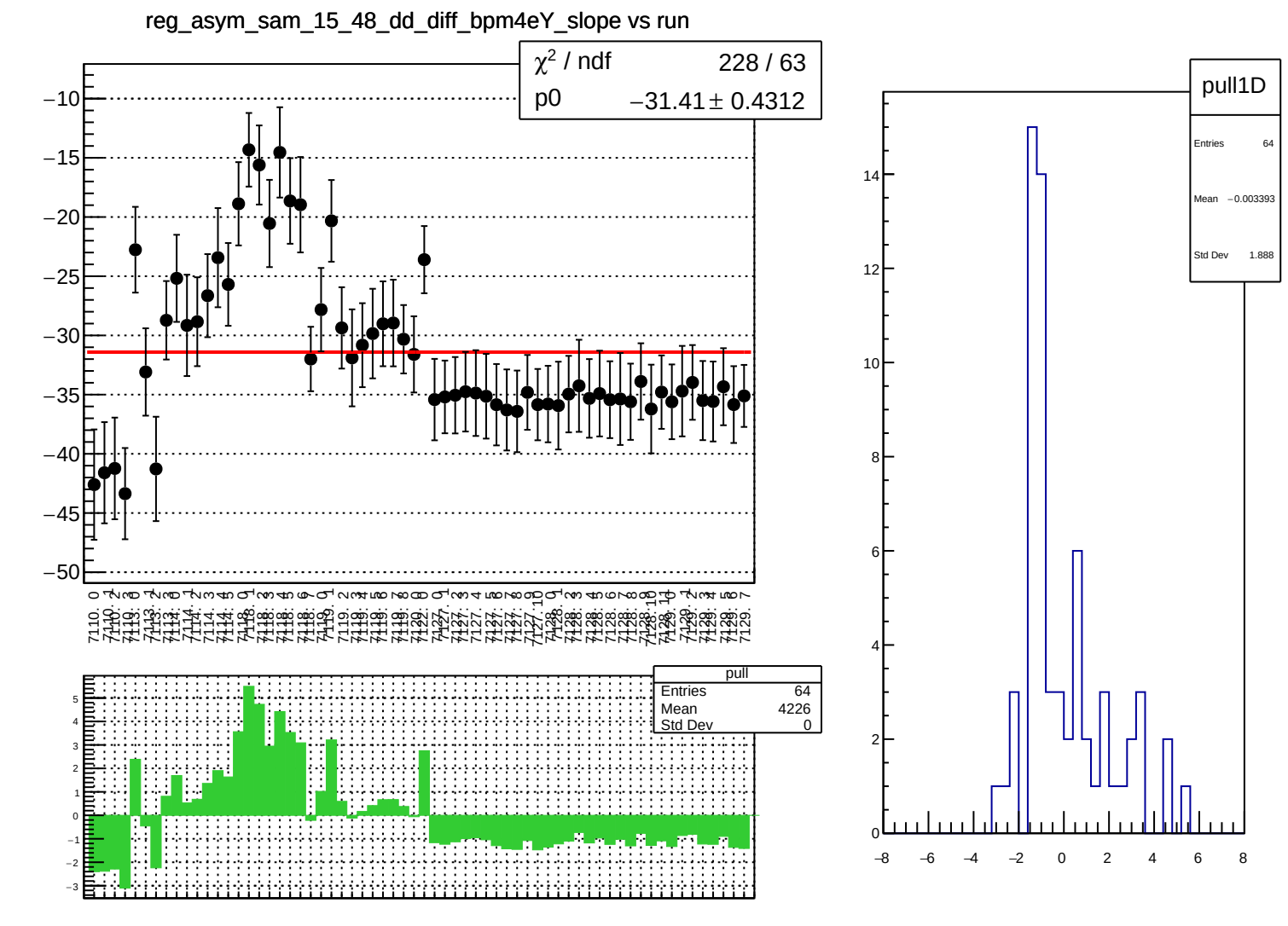

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 19.75 / 63
p0 0.4231± 0.01921
pull
Entries 64
Mean −243.8
Std Dev 0
pull1D
Entries 64
Mean −0.01064
Std Dev 0.5554

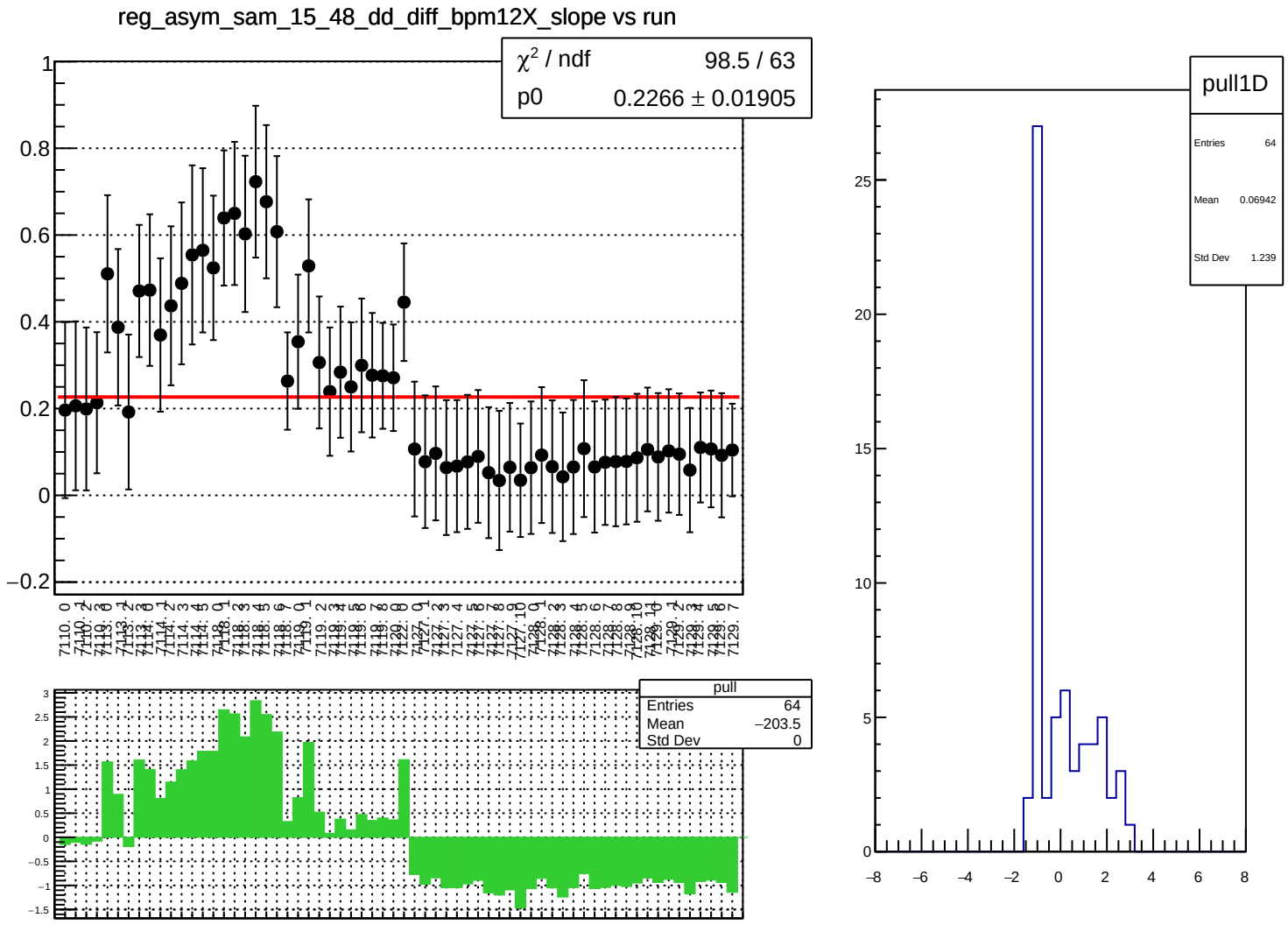

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1000 / 63
p0 16.93 ± 0.518
pull
Entries 64
Mean 153.7
Std Dev 0

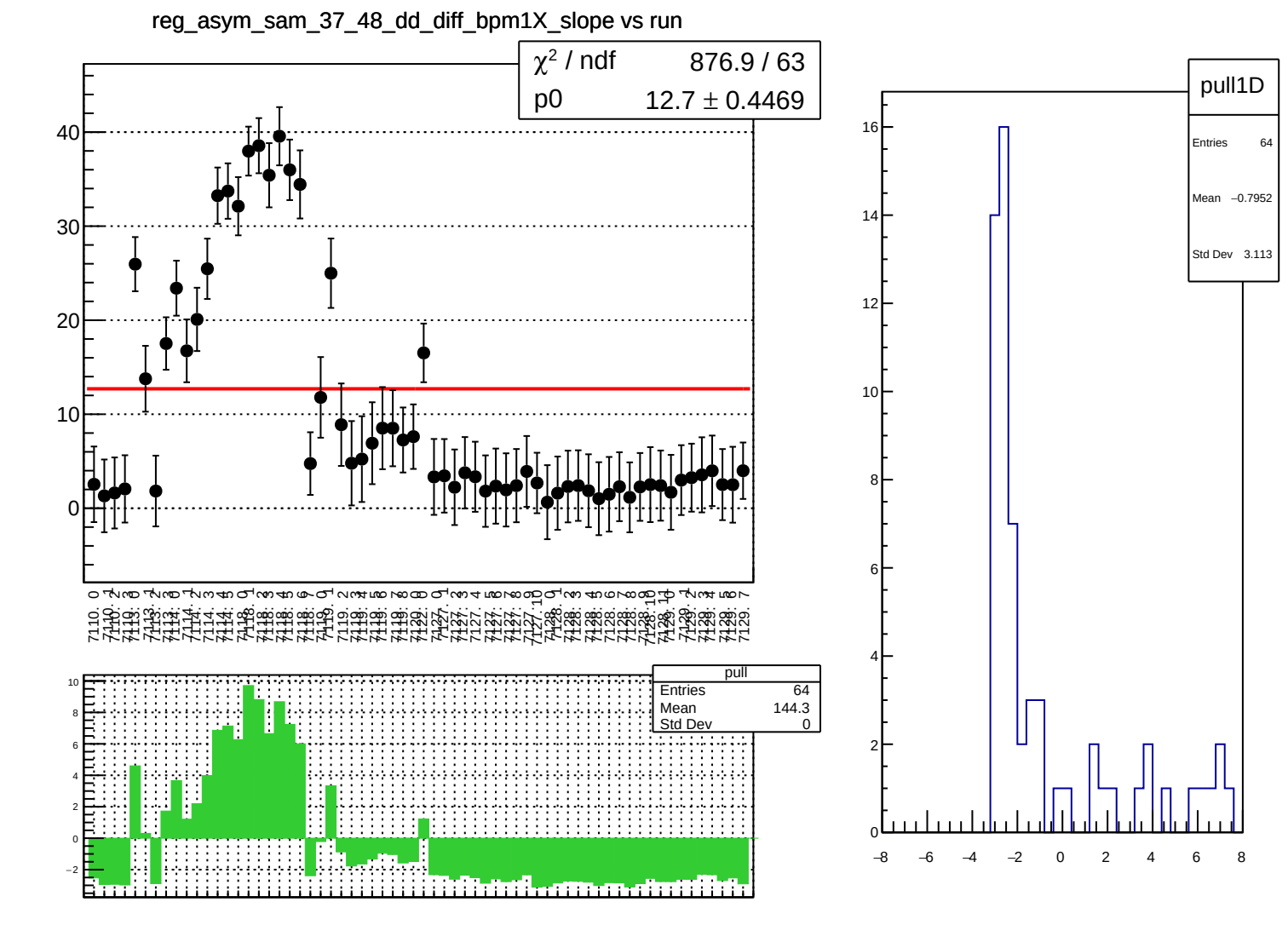

pull1D
Entries 64
Mean −0.9751
Std Dev 3.227

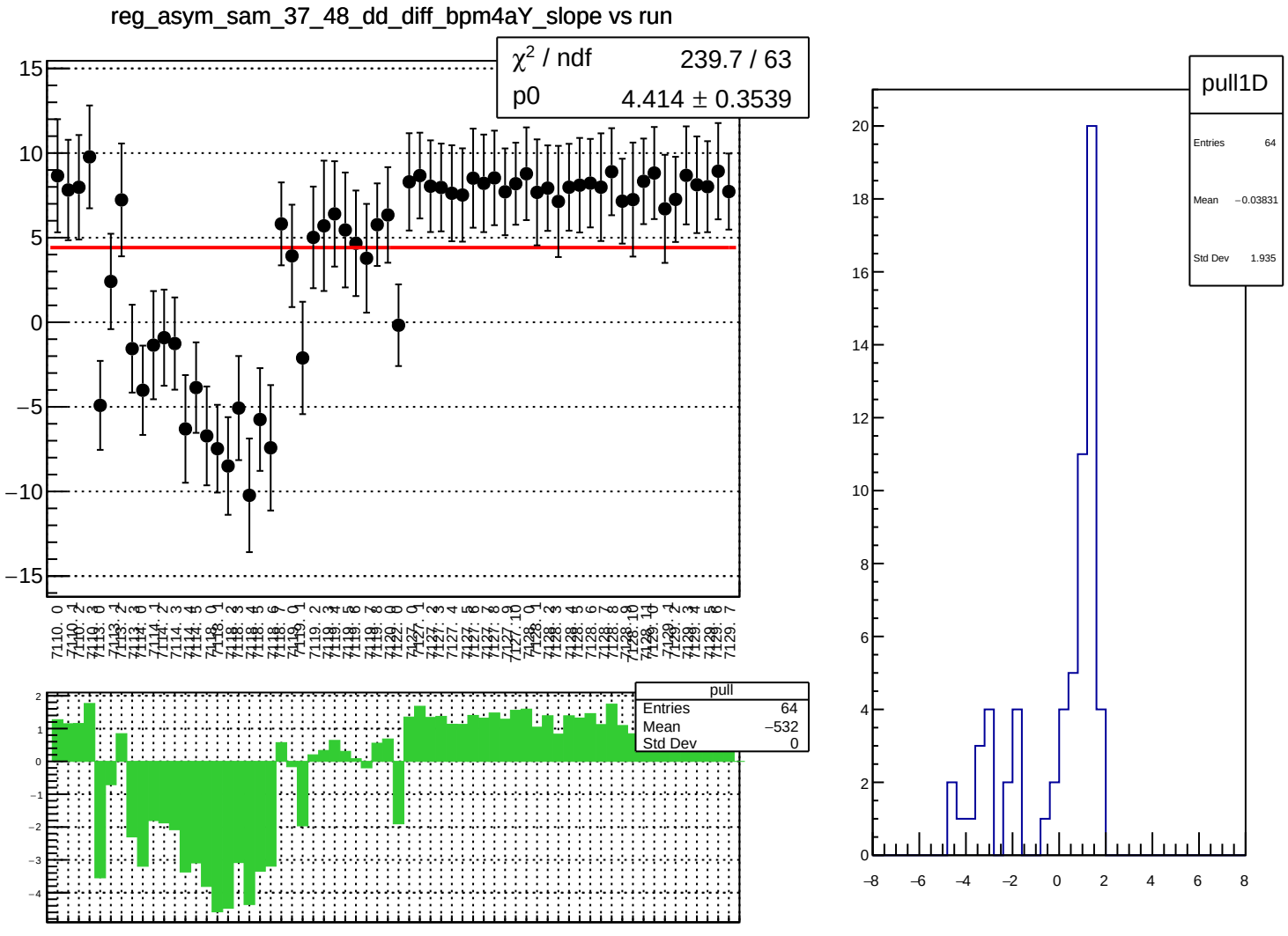

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 251.5 / 63
p0 2.123 ± 0.4084
pull
Entries 64
Mean −577.9
Std Dev 0
pull1D
Entries 64
Mean −0.03529
Std Dev 1.982

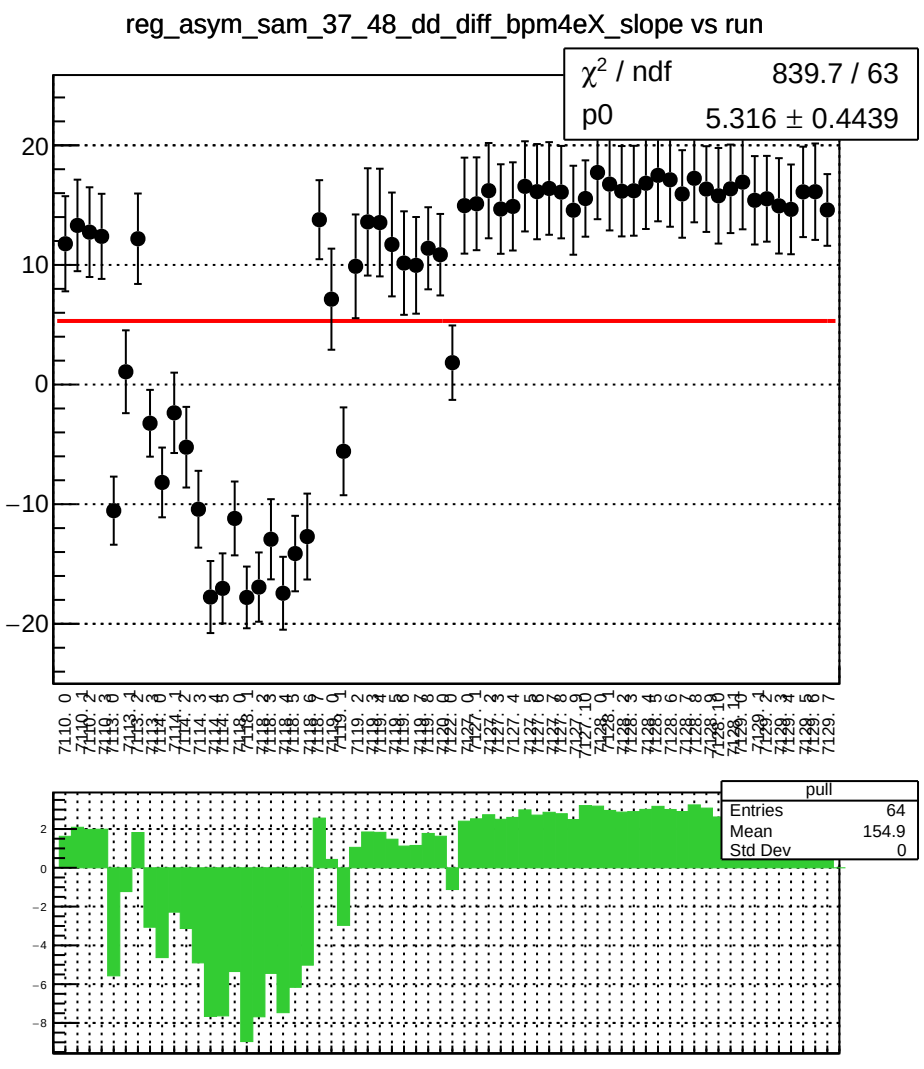

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 628.3 / 63
p0 29.94 ± 0.5145
pull
Entries 64
Mean 110.3
Std Dev 0
pull1D
Entries 64
Mean 0.4734
Std Dev 2.885

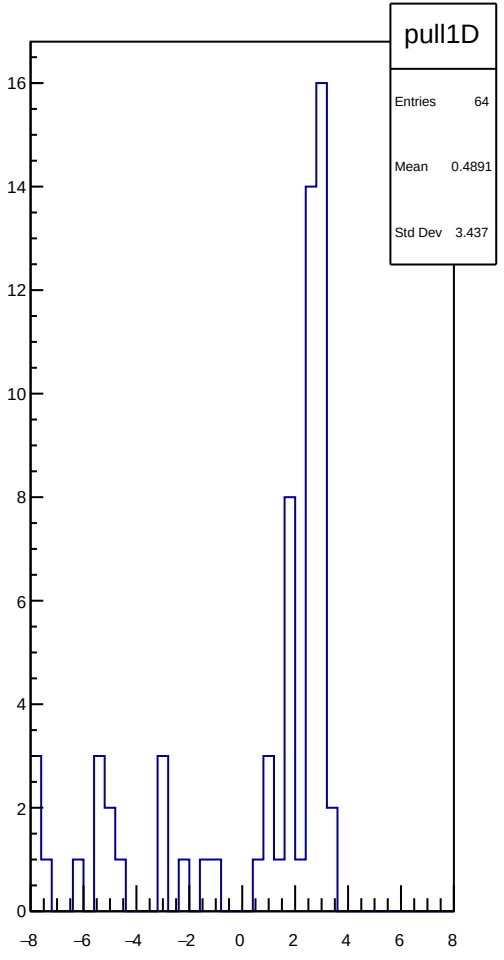

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 228 / 63
p0 −31.41 ± 0.4312
pull
Entries 64
Mean 4226
Std Dev 0
pull1D
Entries 64
Mean −0.003393
Std Dev 1.888

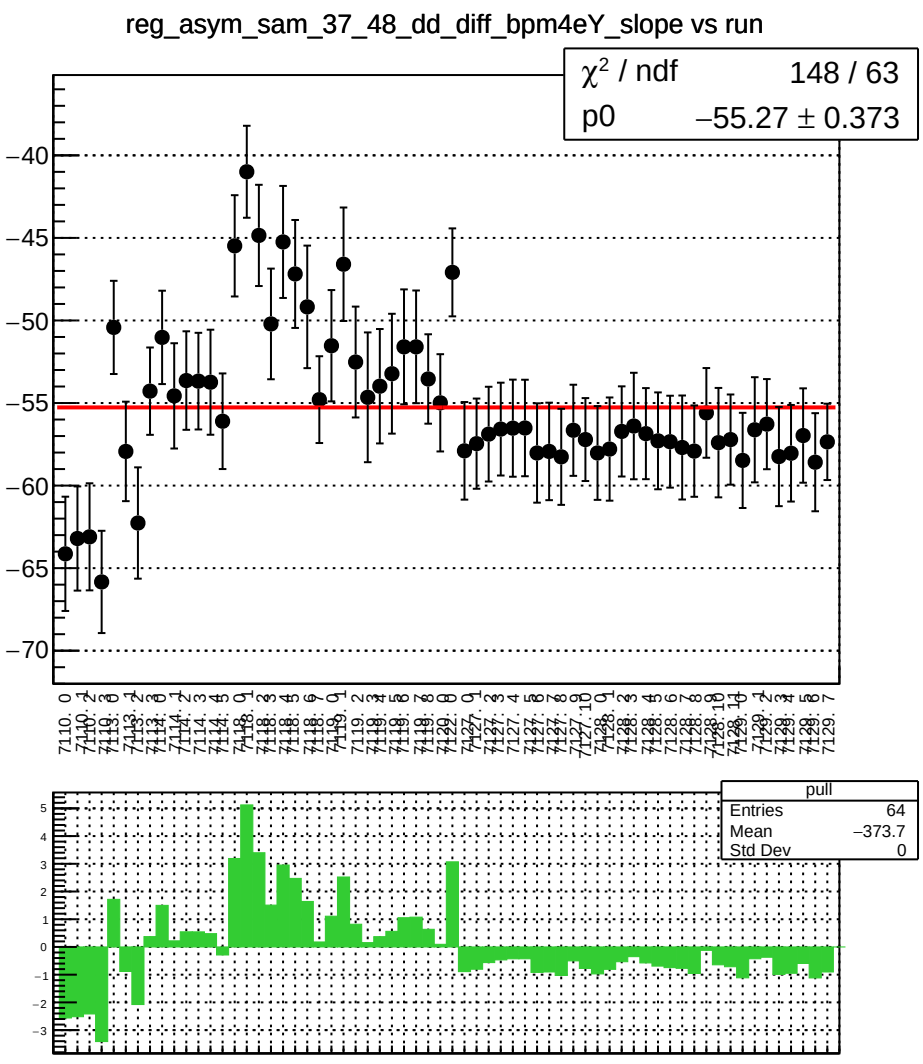

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 98.5 / 63
p0 0.2266 ± 0.01905
pull
Entries 64
Mean −203.5
Std Dev 0
pull1D
Entries 64
Mean 0.06942
Std Dev 1.239

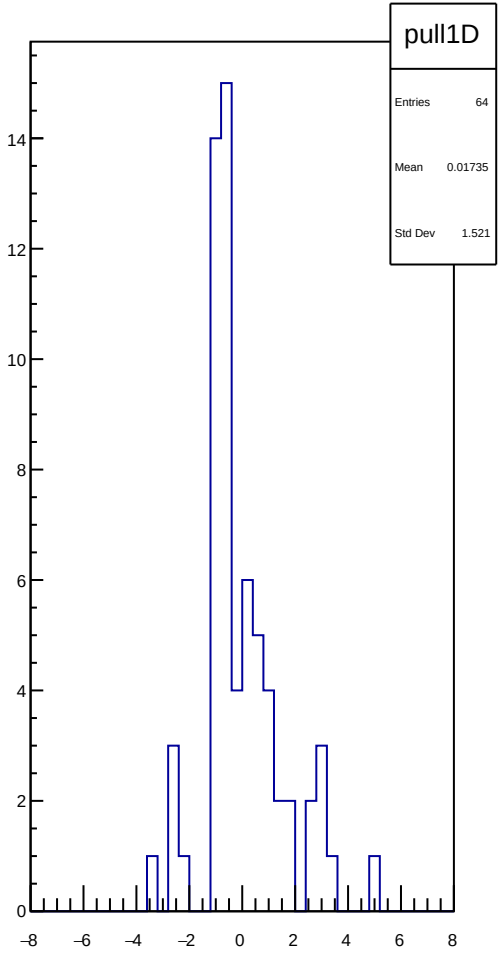

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 876.9 / 63
p0 12.7 ± 0.4469
pull
Entries 64
Mean 144.3
Std Dev 0
pull1D
Entries 64
Mean −0.7952
Std Dev 3.113

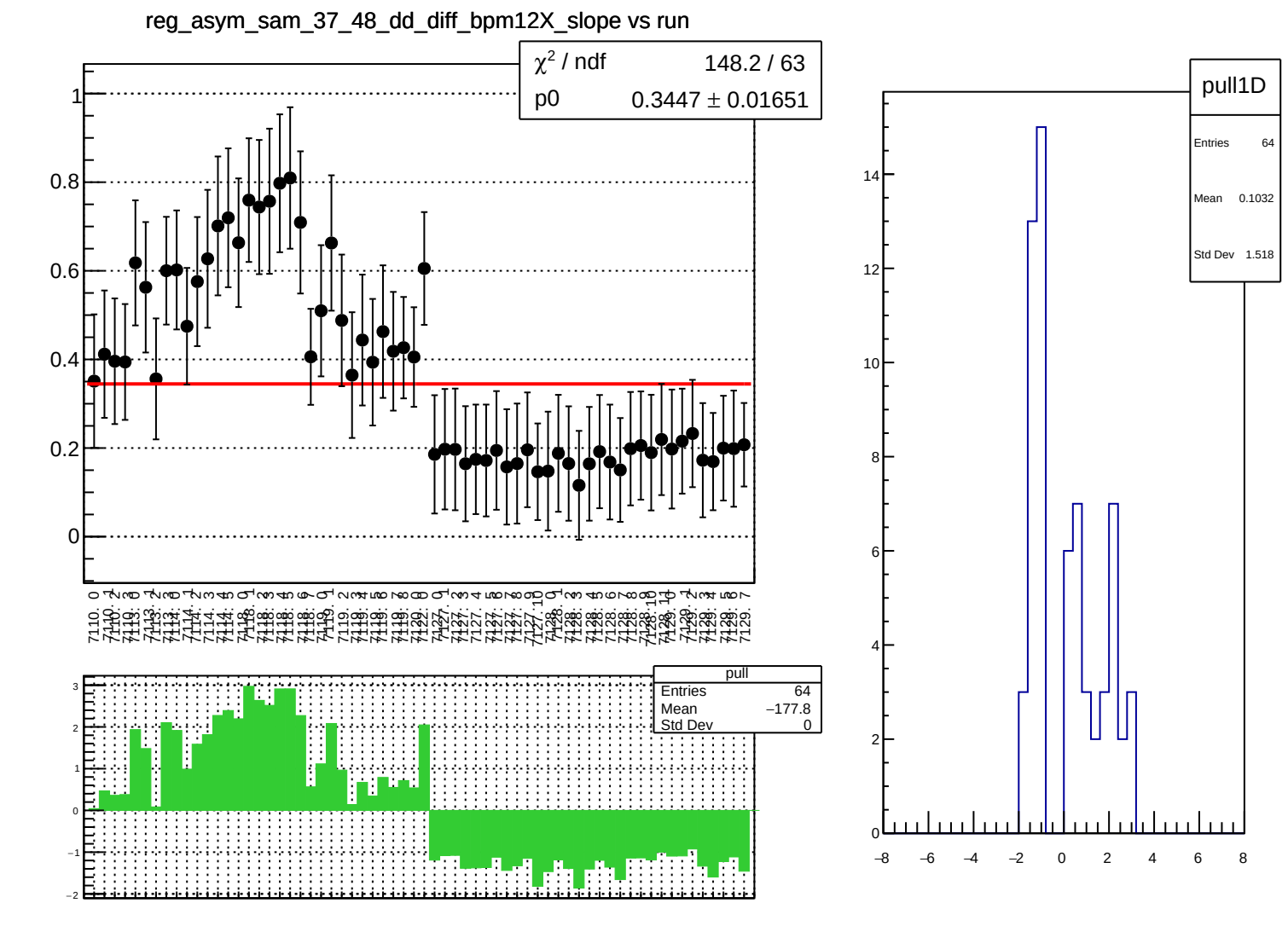

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 239.7 / 63
p0 4.414 ± 0.3539
pull
Entries 64
Mean −532
Std Dev 0
pull1D
Entries 64
Mean −0.03831
Std Dev 1.935

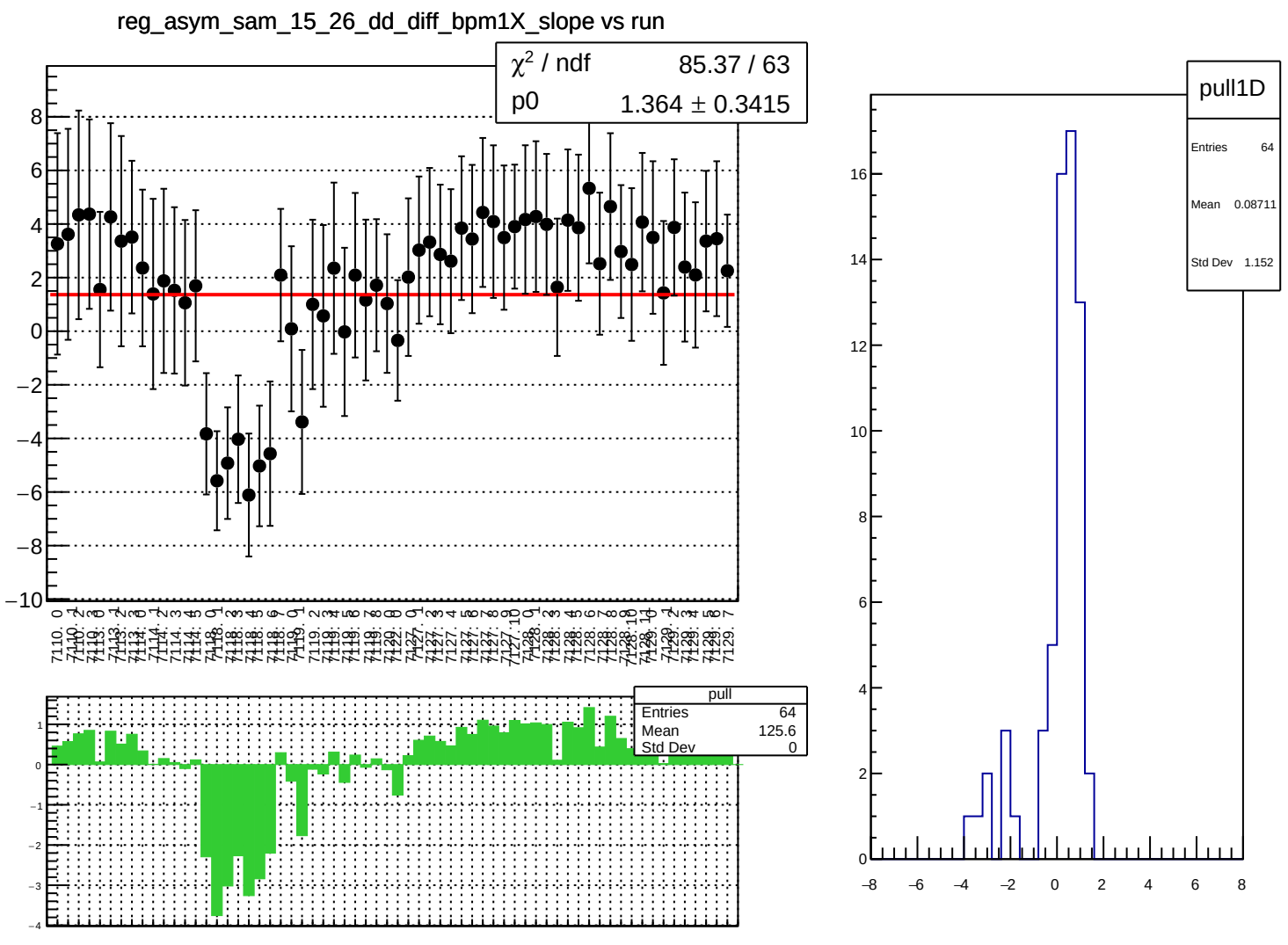

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 839.7 / 63
p0 5.316 ± 0.4439
pull
Entries 64
Mean 154.9
Std Dev 0

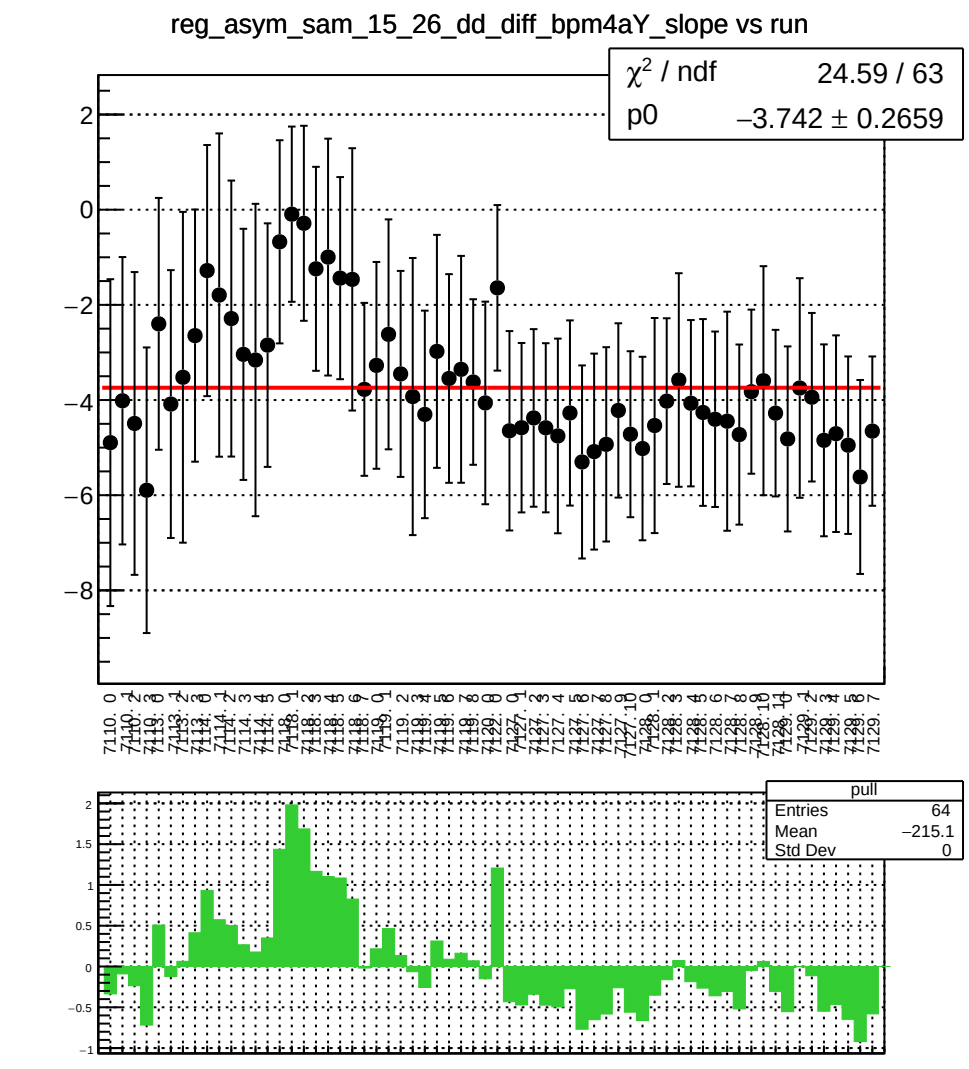

pull1D
Entries 64
Mean 0.4891
Std Dev 3.437

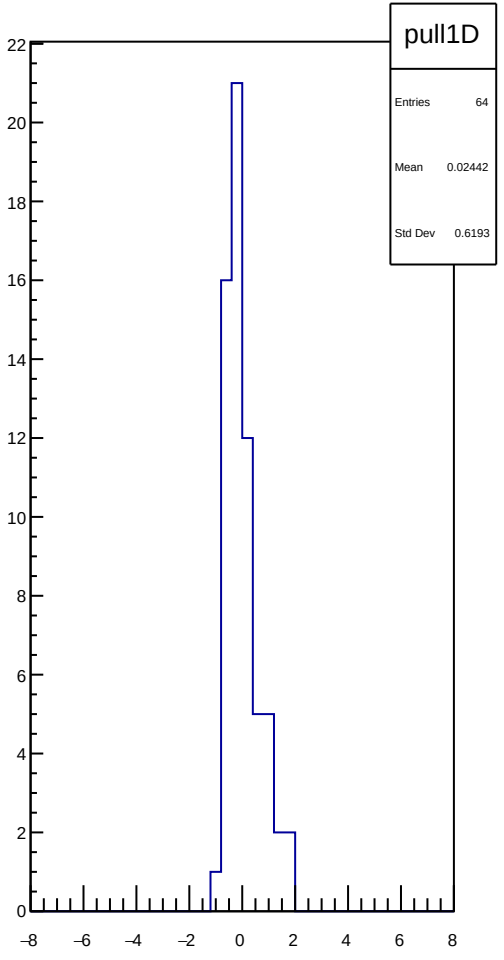

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 148 / 63
p0 −55.27 ± 0.373
pull
Entries 64
Mean −373.7
Std Dev 0

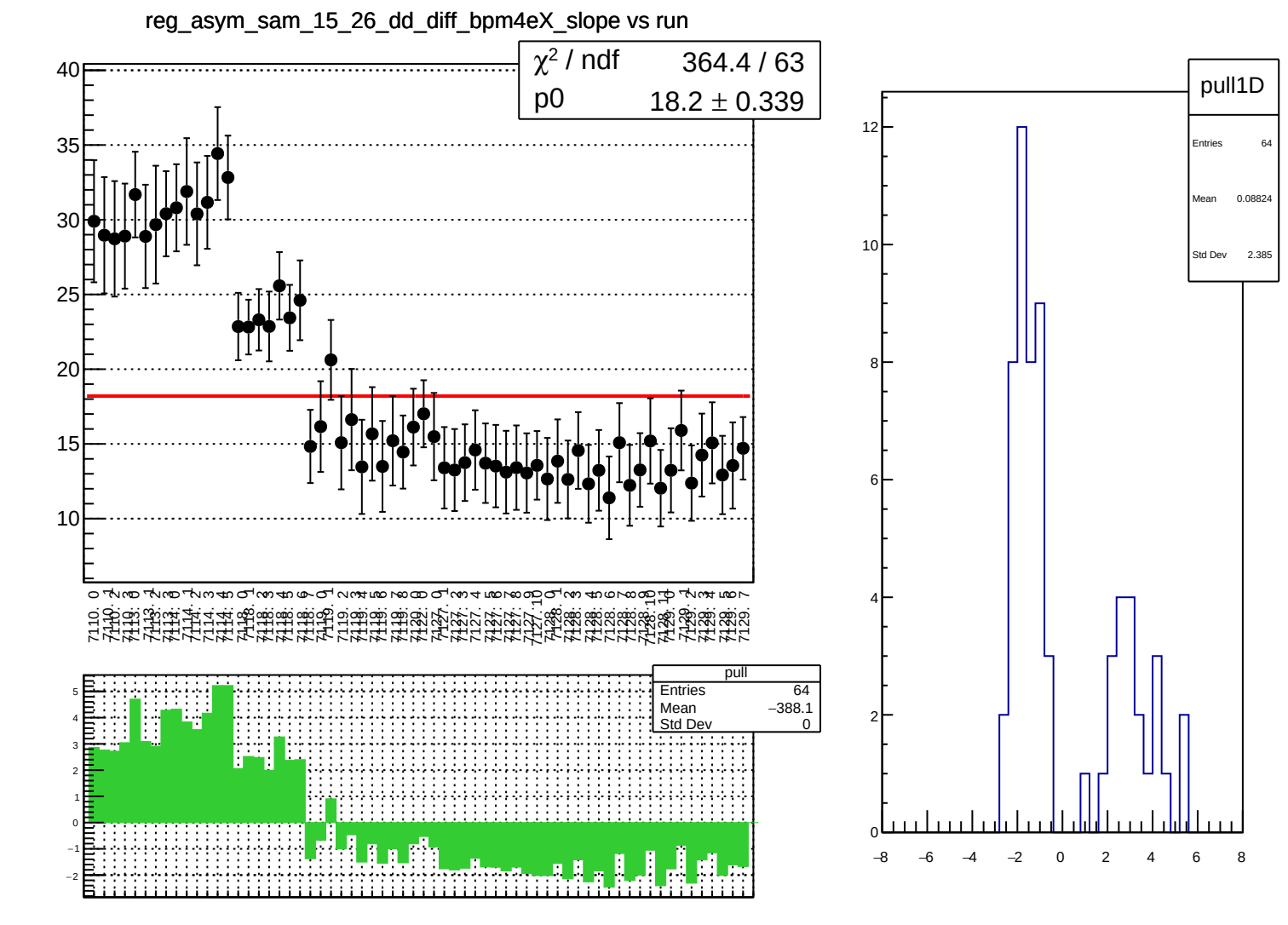

pull1D
Entries 64
Mean 0.01735
Std Dev 1.521

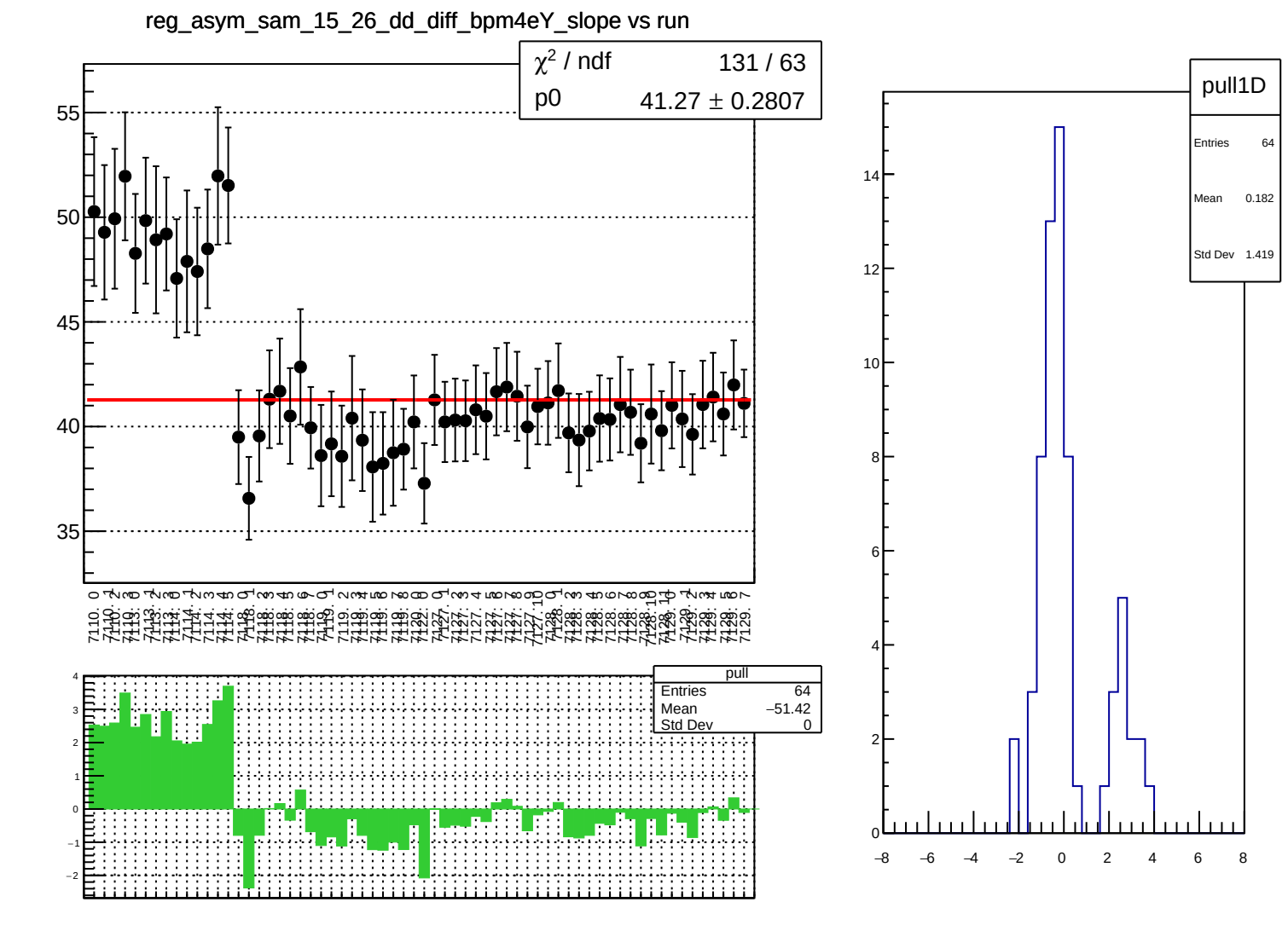

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 148.2 / 63
p0 0.3447 ± 0.01651
pull
Entries 64
Mean −177.8
Std Dev 0
pull1D
Entries 64
Mean 0.1032
Std Dev 1.518

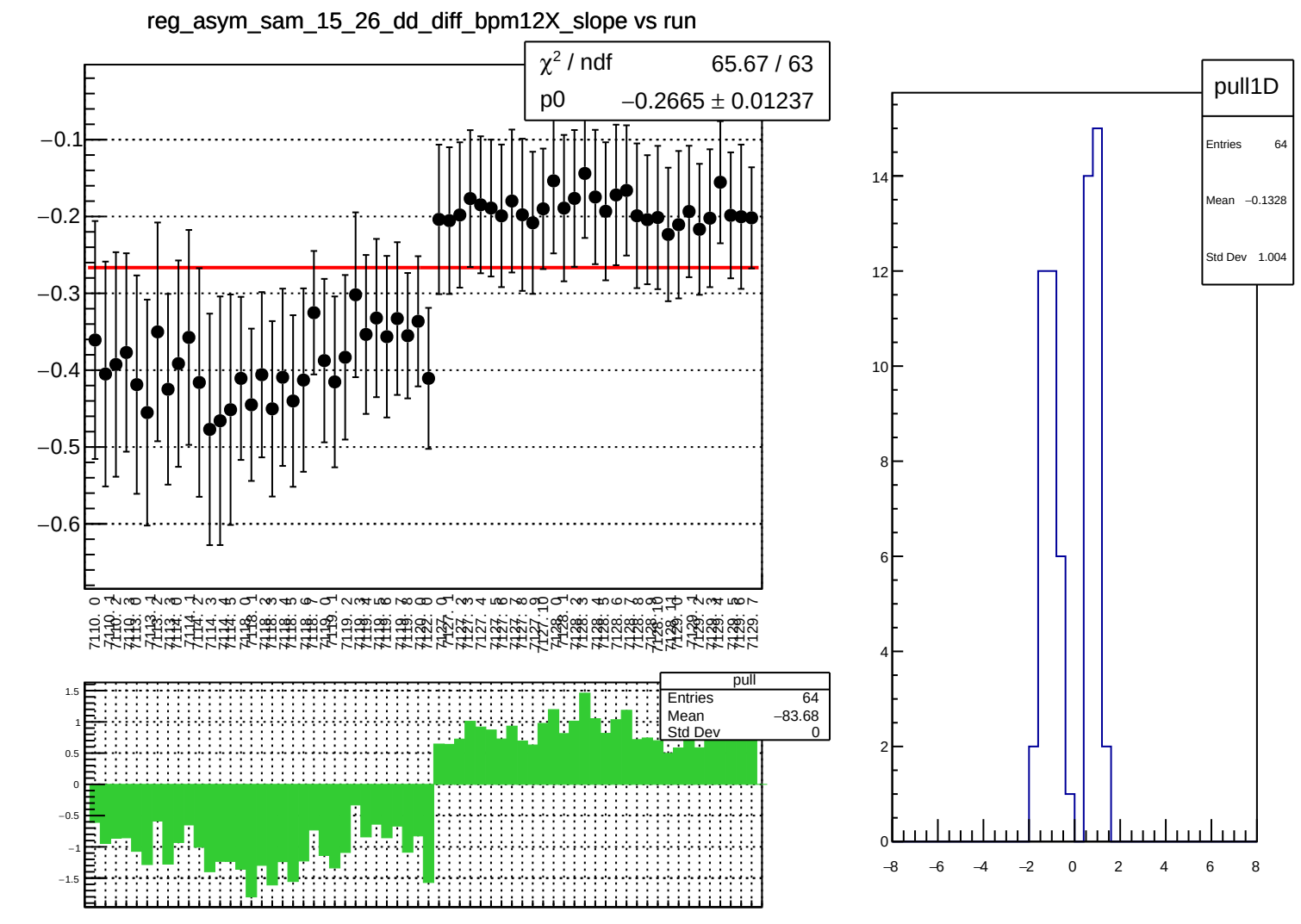

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 85.37 / 63
p0 1.364 ± 0.3415
pull
Entries 64
Mean 125.6
Std Dev 0
pull1D
Entries 64
Mean 0.08711
Std Dev 1.152

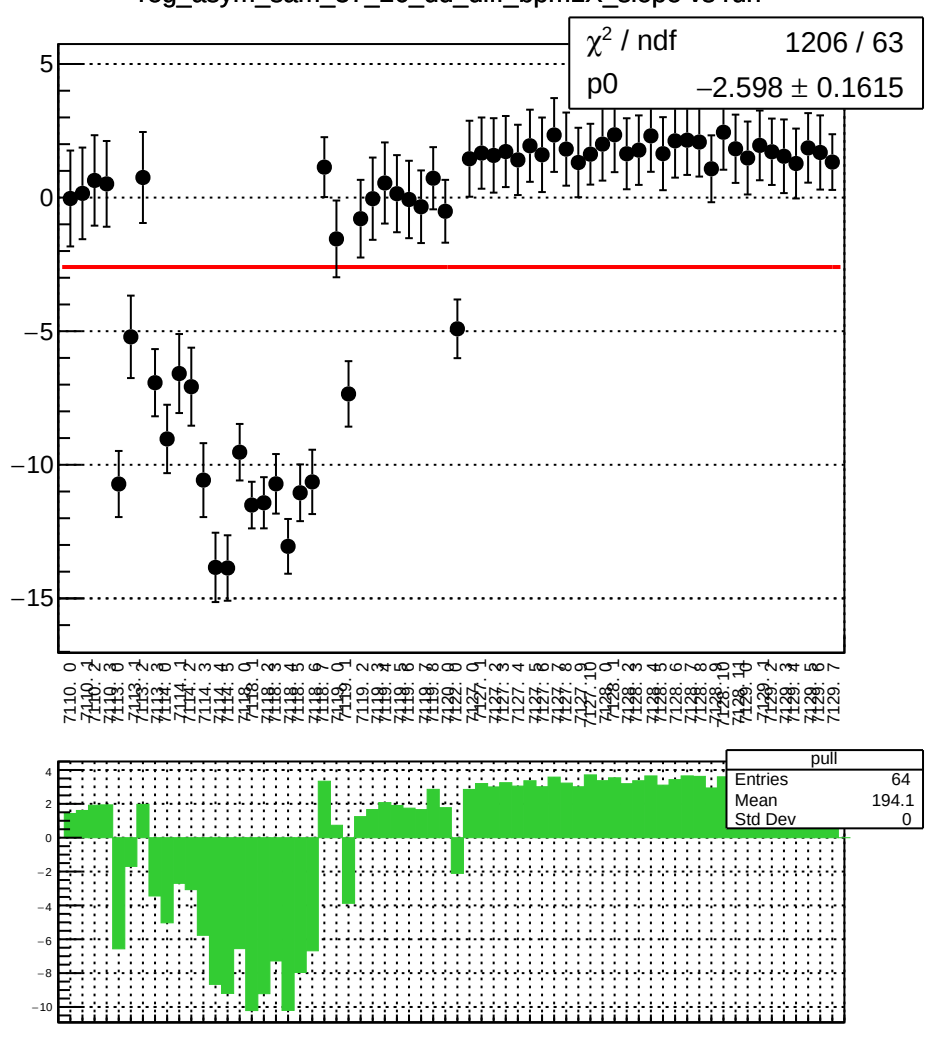

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.59 / 63
p0 −3.742 ± 0.2659
pull
Entries 64
Mean −215.1
Std Dev 0

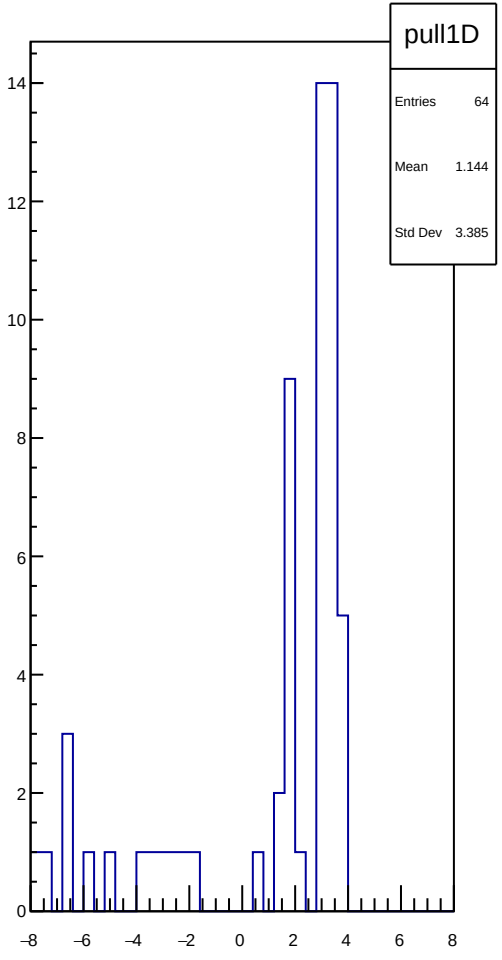

pull1D
Entries 64
Mean 0.02442
Std Dev 0.6193

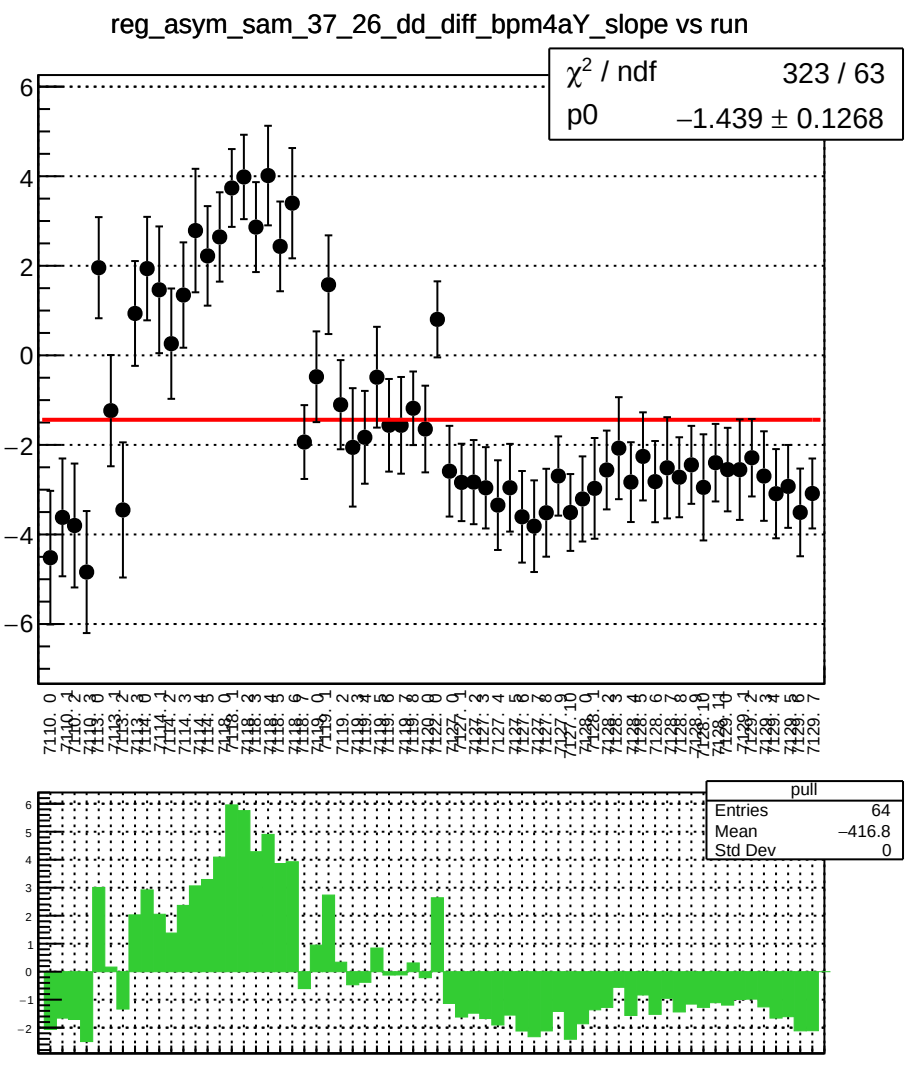

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 364.4 / 63
p0 18.2 ± 0.339
pull
Entries 64
Mean −388.1
Std Dev 0
pull1D
Entries 64
Mean 0.08824
Std Dev 2.385

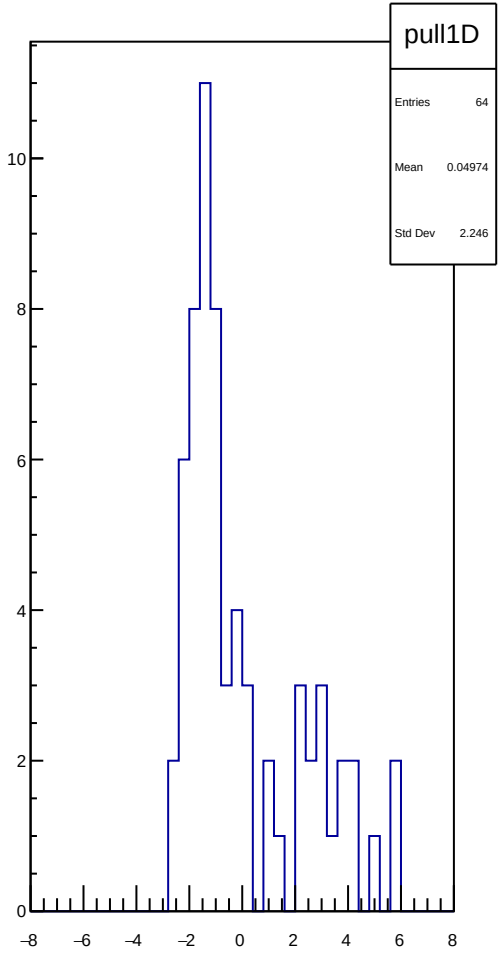

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 131 / 63
p0 41.27 ± 0.2807
pull
Entries 64
Mean −51.42
Std Dev 0
pull1D
Entries 64
Mean 0.182
Std Dev 1.419

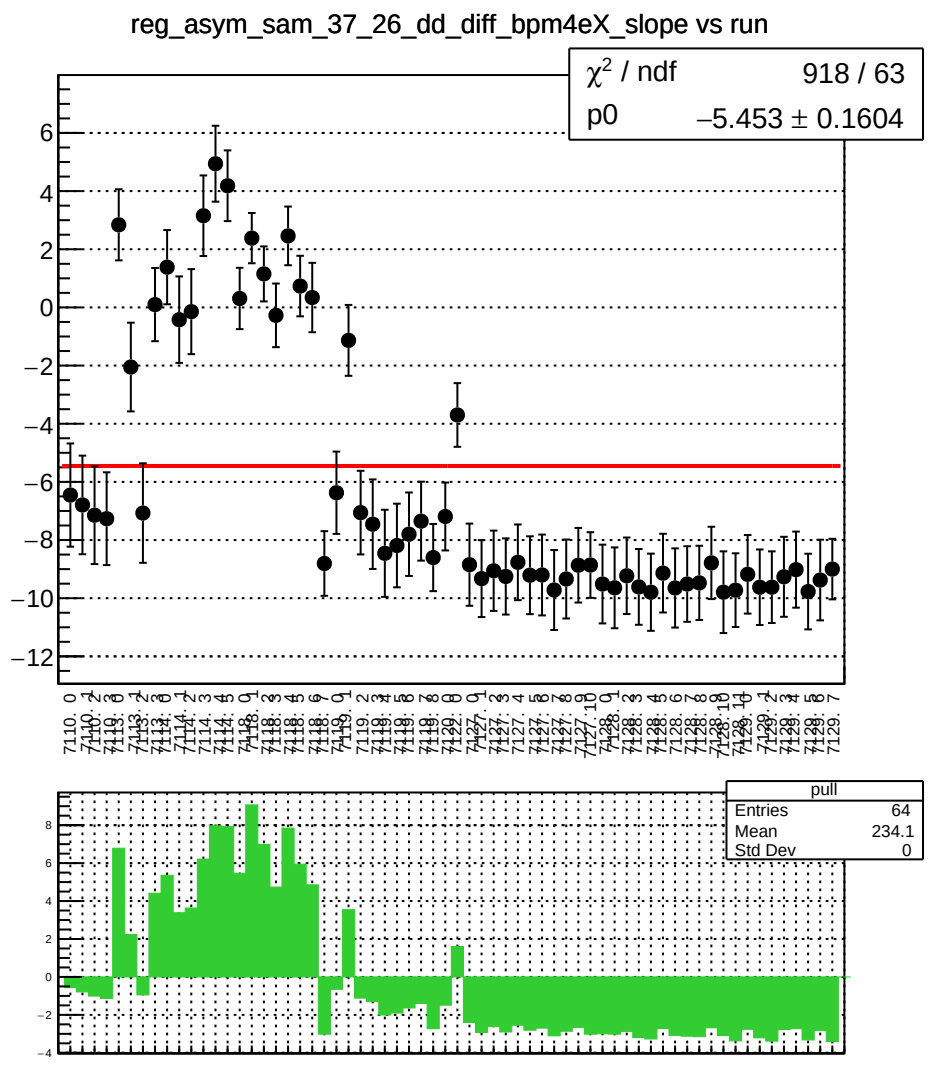

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 65.67 / 63
p0 −0.2665 ± 0.01237
pull
Entries 64
Mean −83.68
Std Dev 0
pull1D
Entries 64
Mean −0.1328
Std Dev 1.004

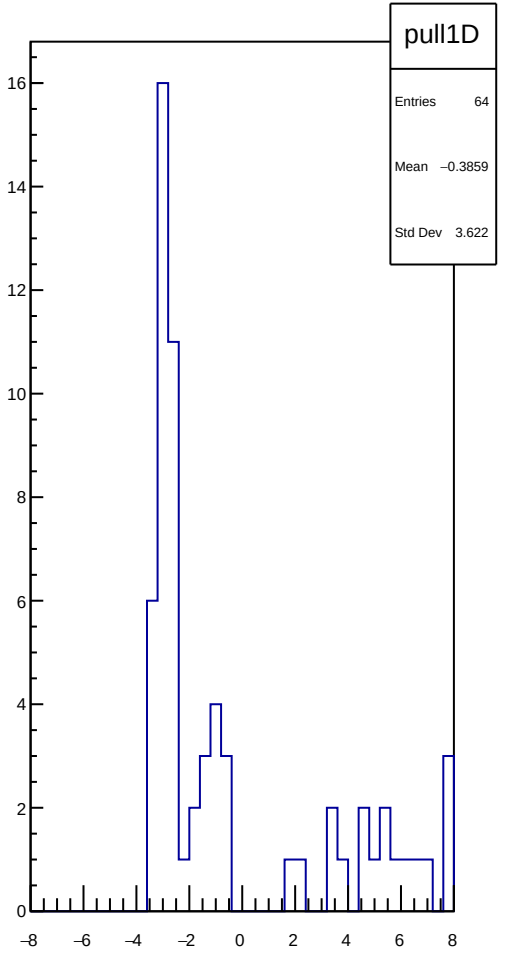

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1206 / 63
p0 −2.598 ± 0.1615
pull
Entries 64
Mean 194.1
Std Dev 0

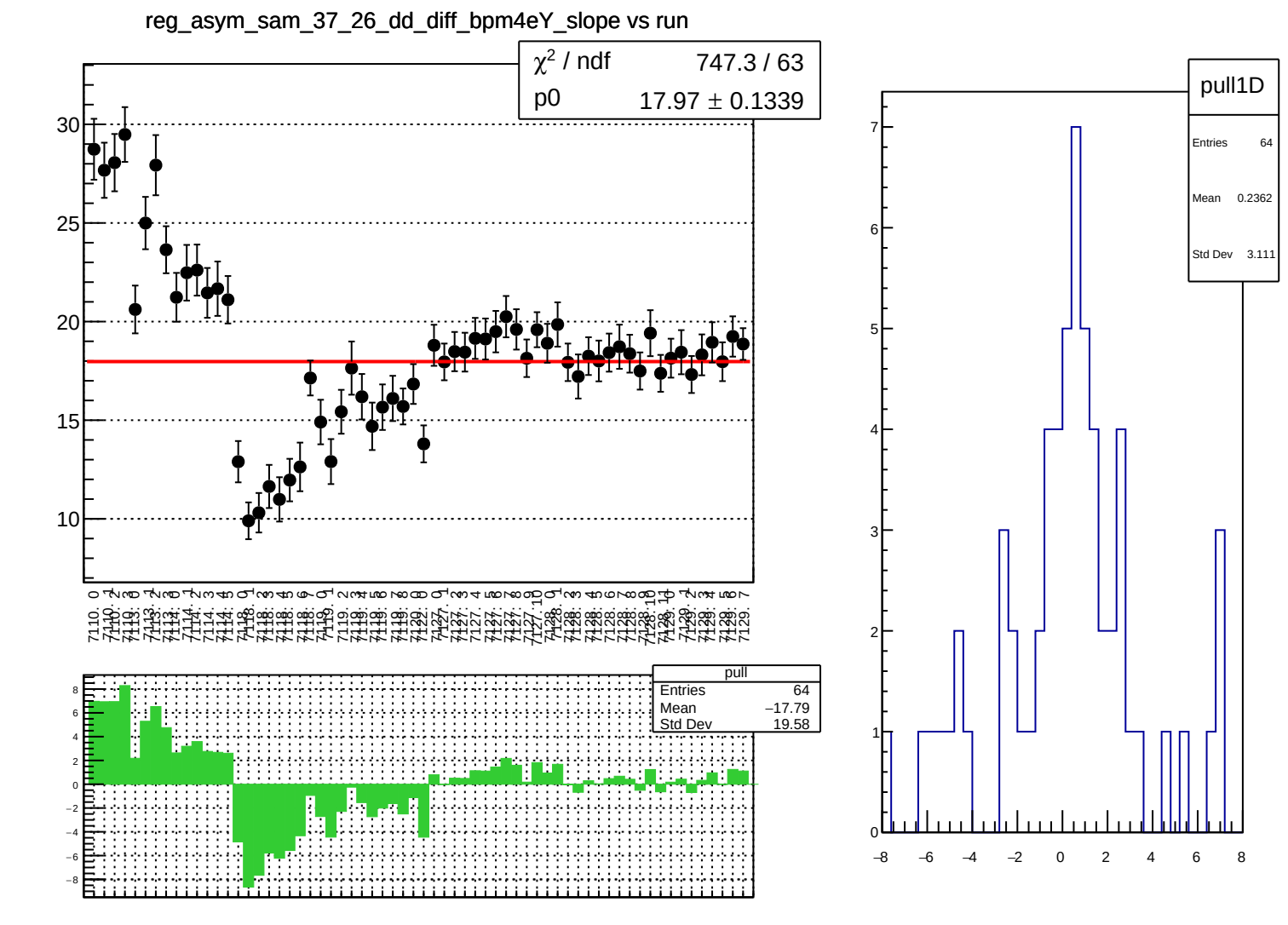

pull1D
Entries 64
Mean 1.144
Std Dev 3.385

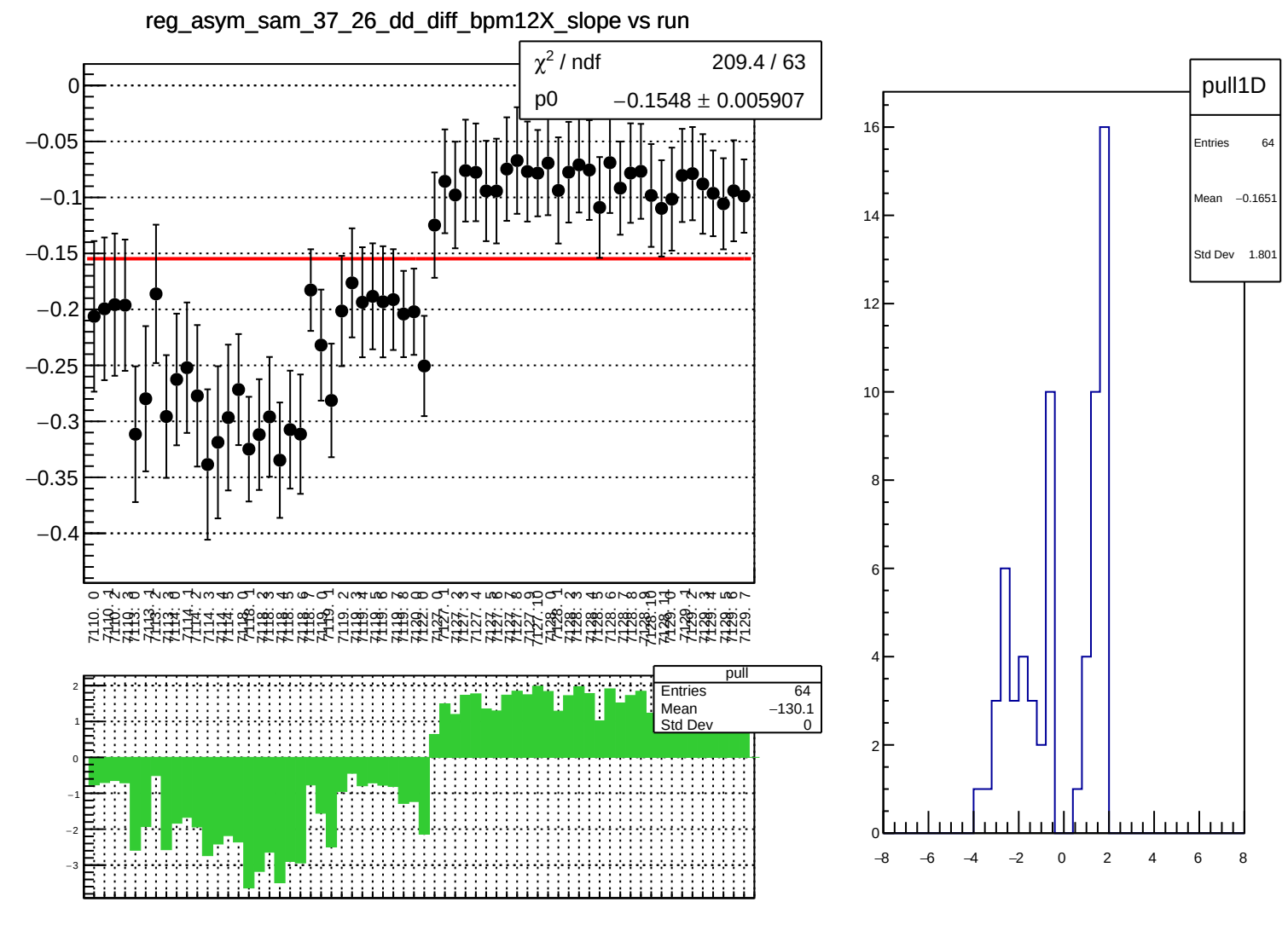

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 323 / 63
p0 −1.439 ± 0.1268
pull
Entries 64
Mean −416.8
Std Dev 0

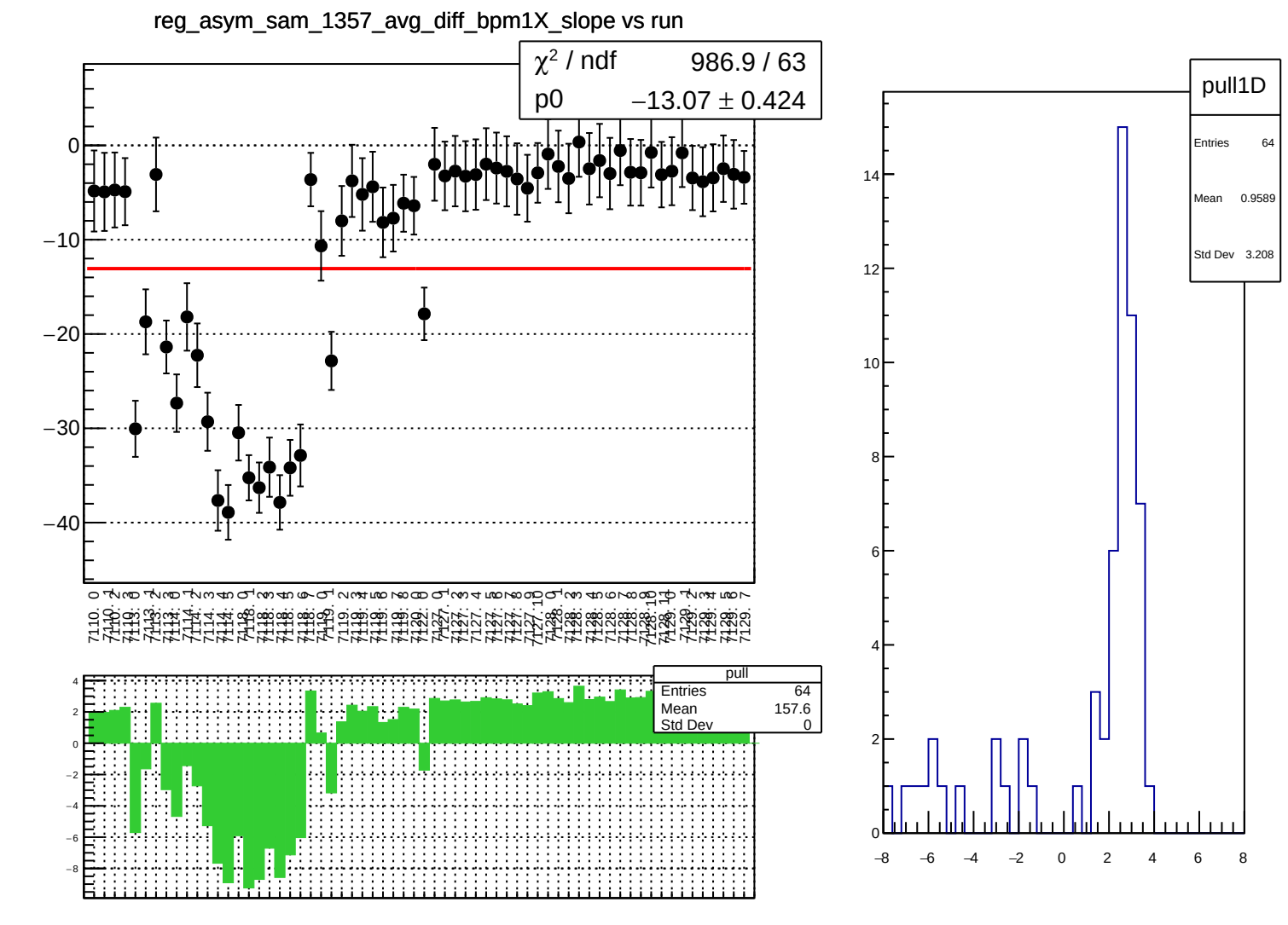

pull1D
Entries 64
Mean 0.04974
Std Dev 2.246

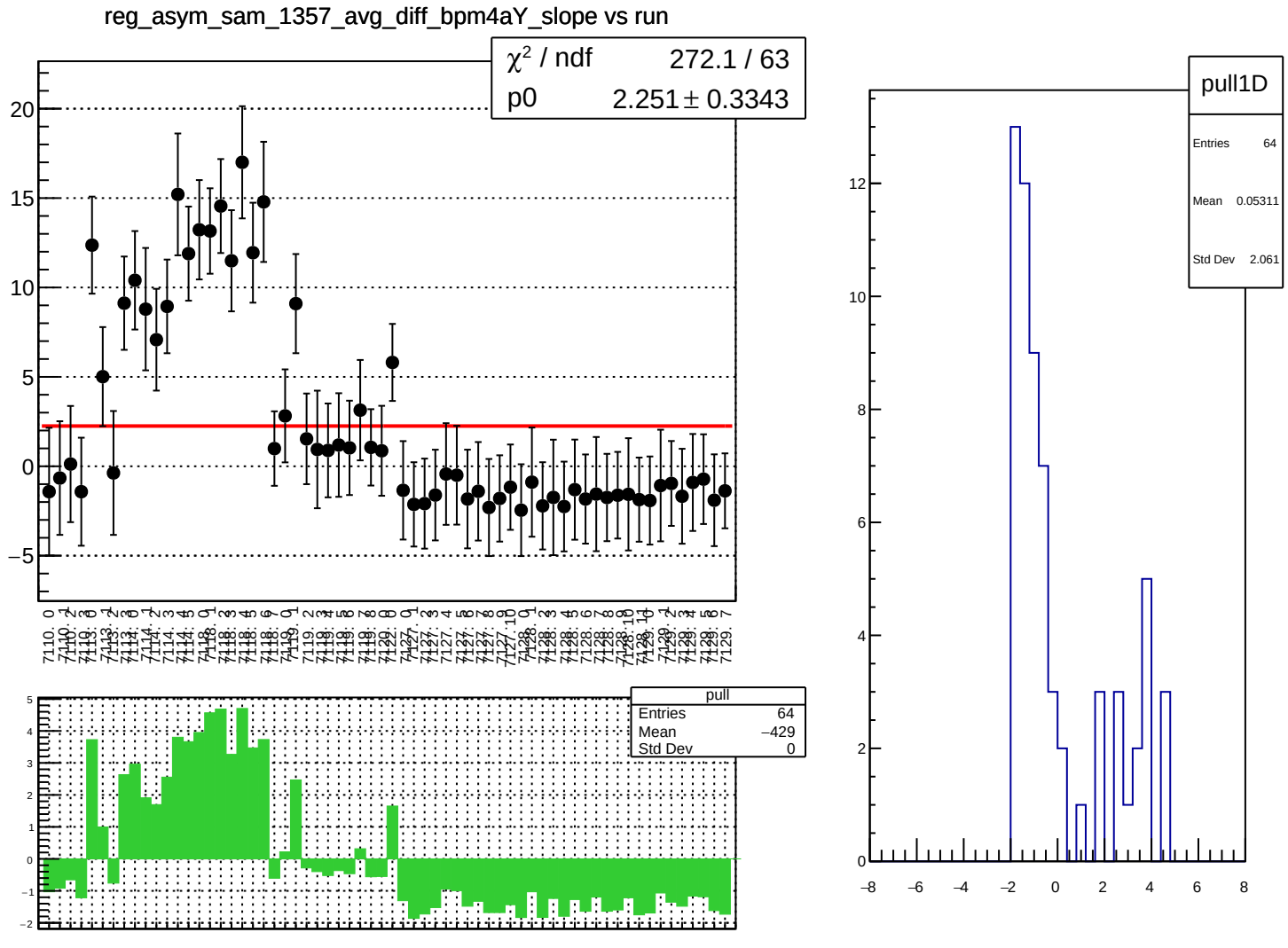

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 918 / 63
p0 −5.453 ± 0.1604
pull
Entries 64
Mean 234.1
Std Dev 0

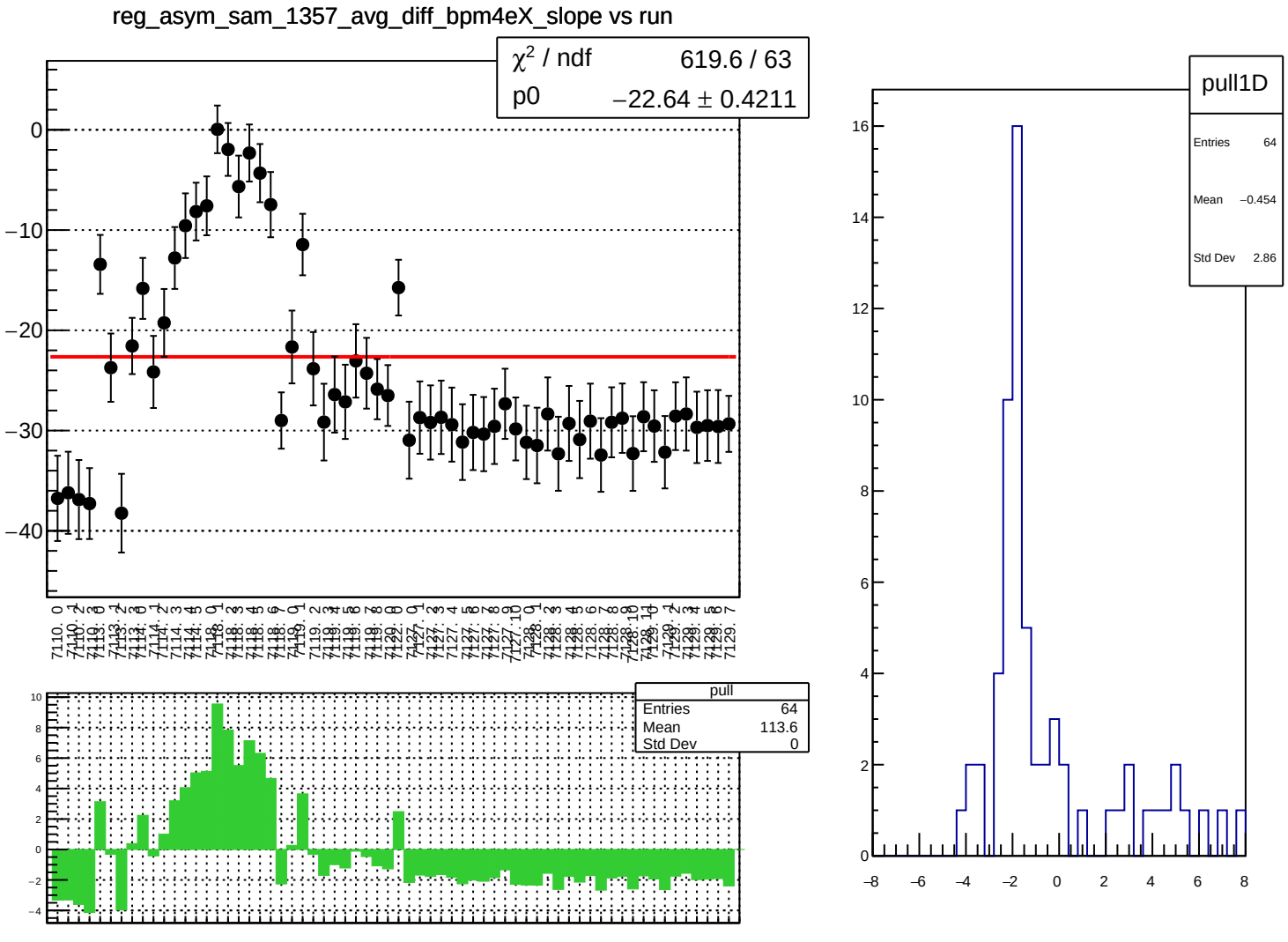

pull1D
Entries 64
Mean −0.3859
Std Dev 3.622

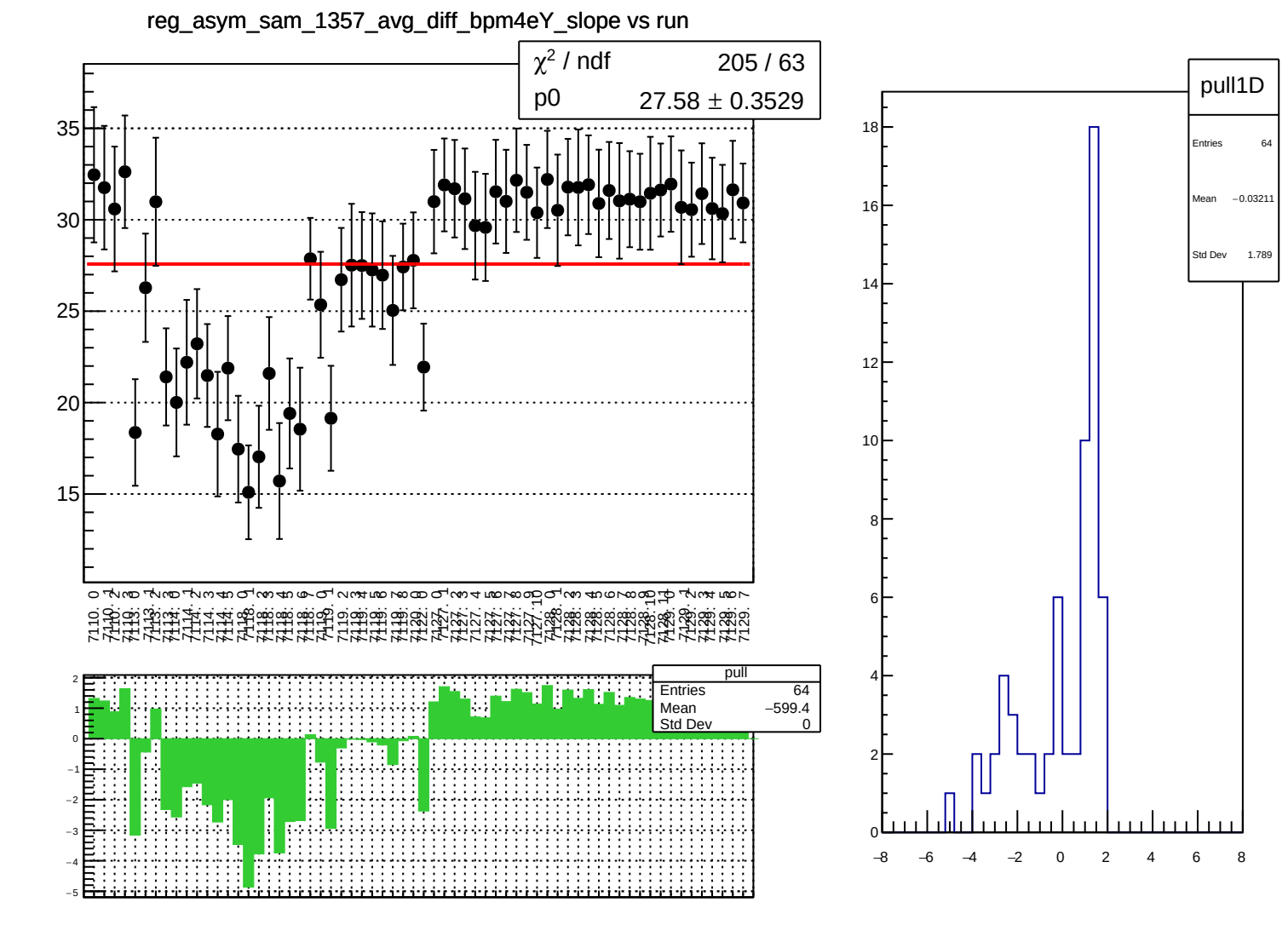

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 747.3 / 63
p0 17.97 ± 0.1339
pull
Entries 64
Mean −17.79
Std Dev 19.58
pull1D
Entries 64
Mean 0.2362
Std Dev 3.111

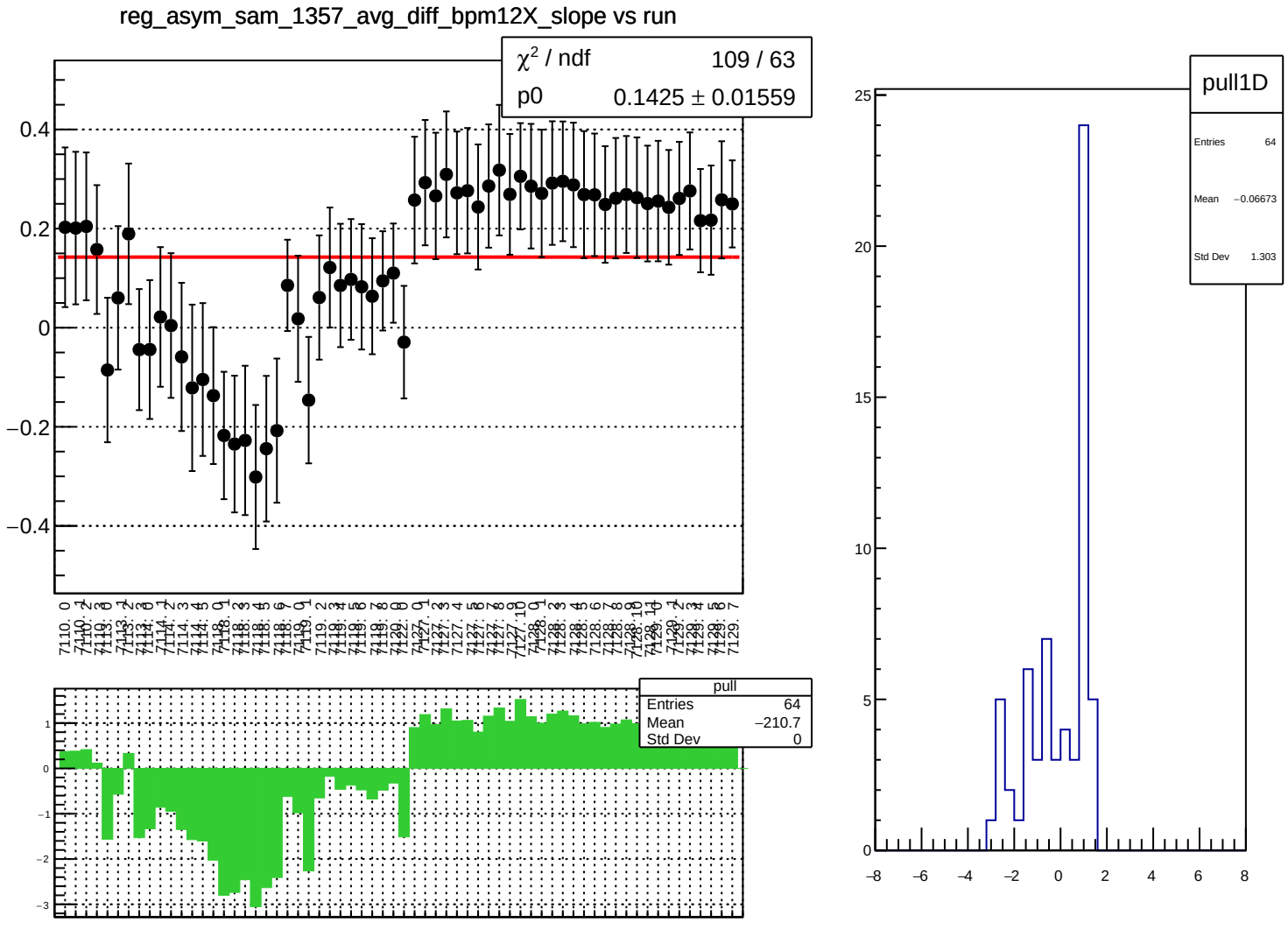

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 209.4 / 63
p0 −0.1548 ± 0.005907
pull
Entries 64
Mean −130.1
Std Dev 0
pull1D
Entries 64
Mean −0.1651
Std Dev 1.801

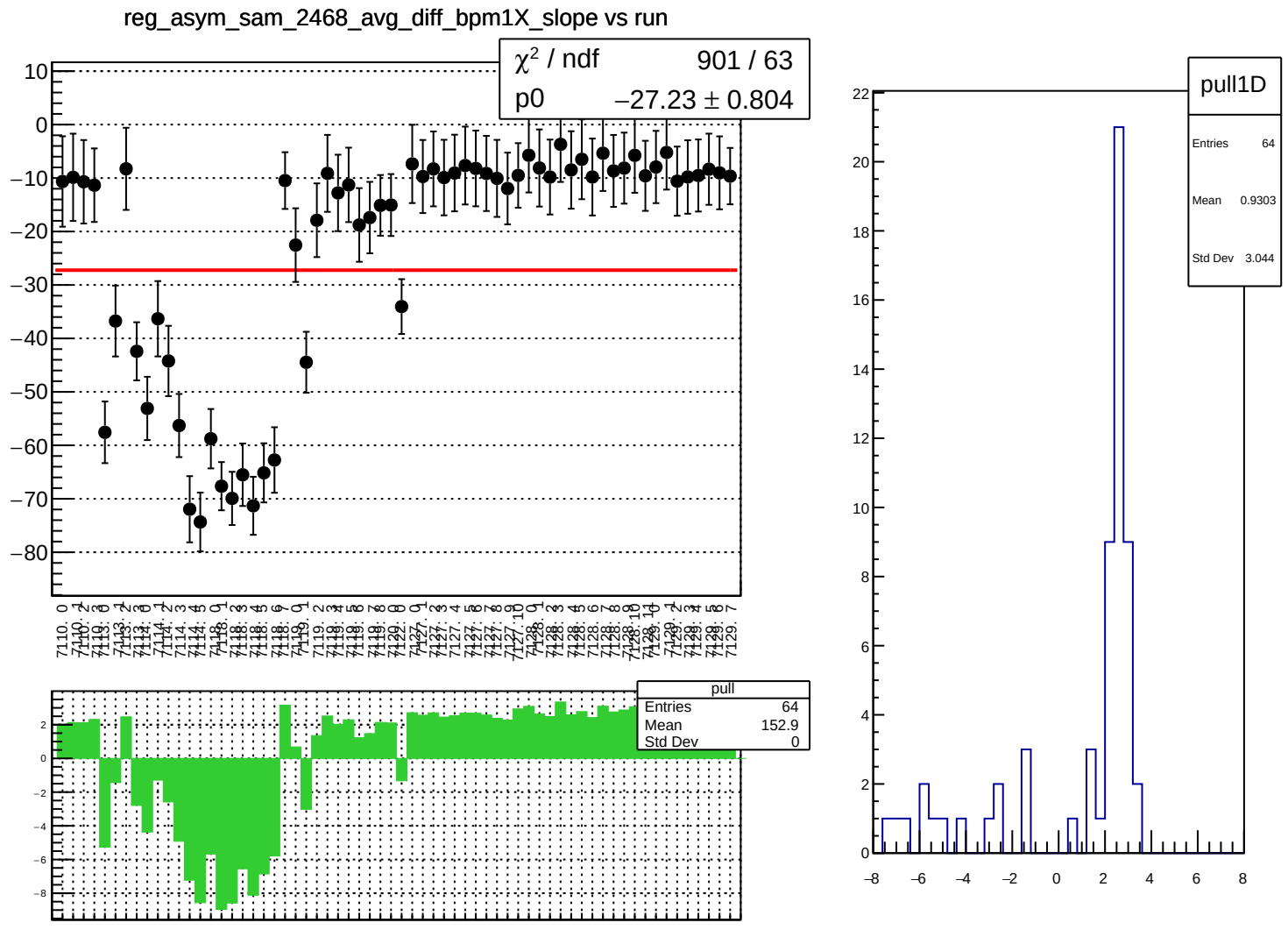

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 986.9 / 63
p0 −13.07 ± 0.424
pull
Entries 64
Mean 157.6
Std Dev 0
pull1D
Entries 64
Mean 0.9589
Std Dev 3.208

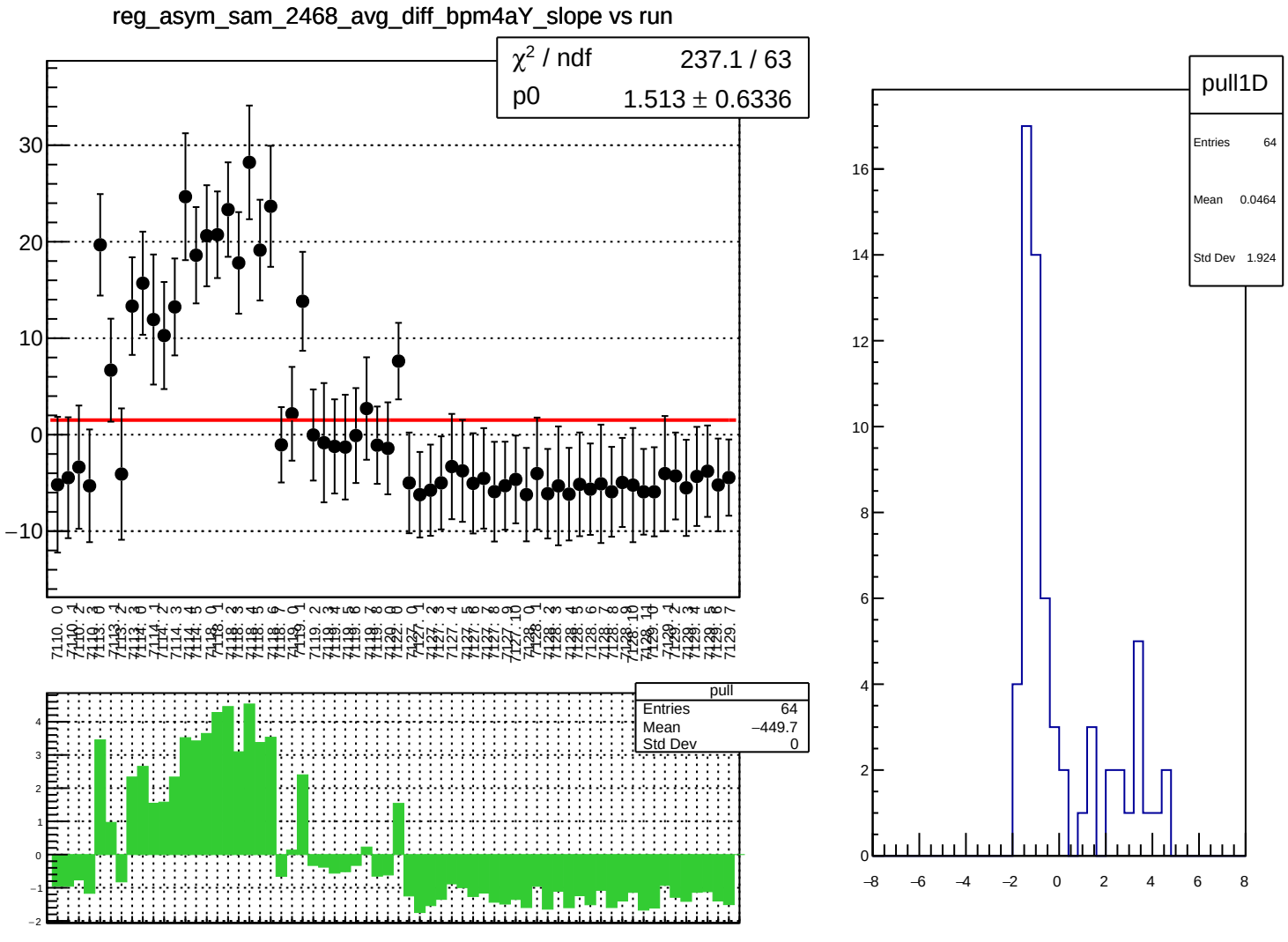

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 272.1 / 63
p0 2.251 ± 0.3343
pull
Entries 64
Mean −429
Std Dev 0
pull1D
Entries 64
Mean 0.05311
Std Dev 2.061

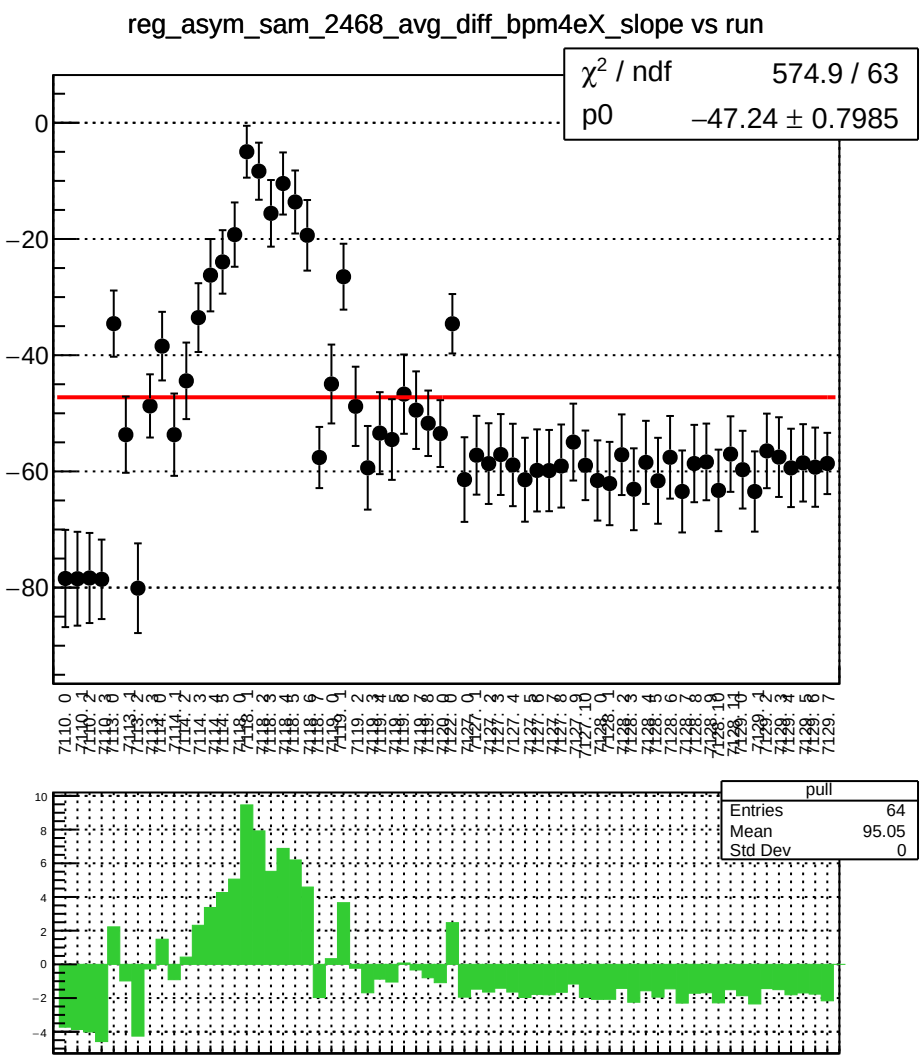

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 619.6 / 63
p0 −22.64 ± 0.4211
pull
Entries 64
Mean 113.6
Std Dev 0
pull1D
Entries 64
Mean −0.454
Std Dev 2.86

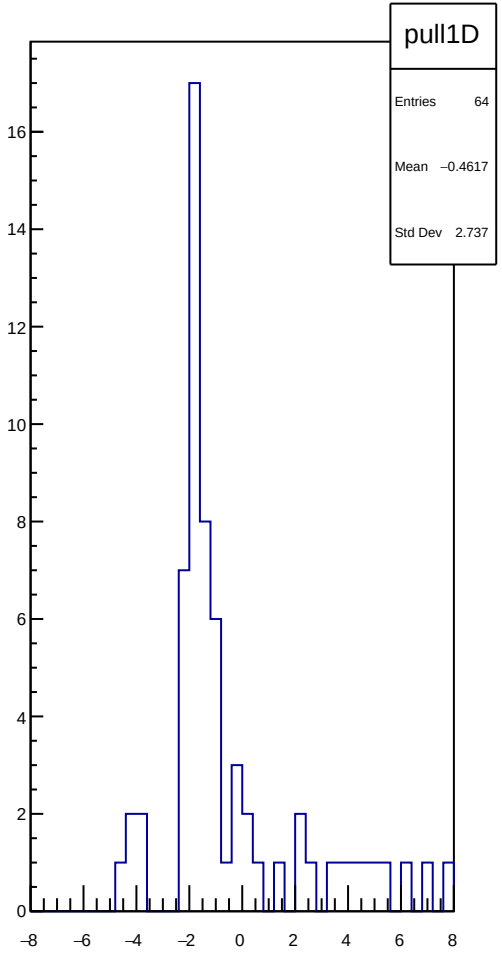

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 205 / 63
p0 27.58 ± 0.3529
pull
Entries 64
Mean −599.4
Std Dev 0
pull1D
Entries 64
Mean −0.03211
Std Dev 1.789

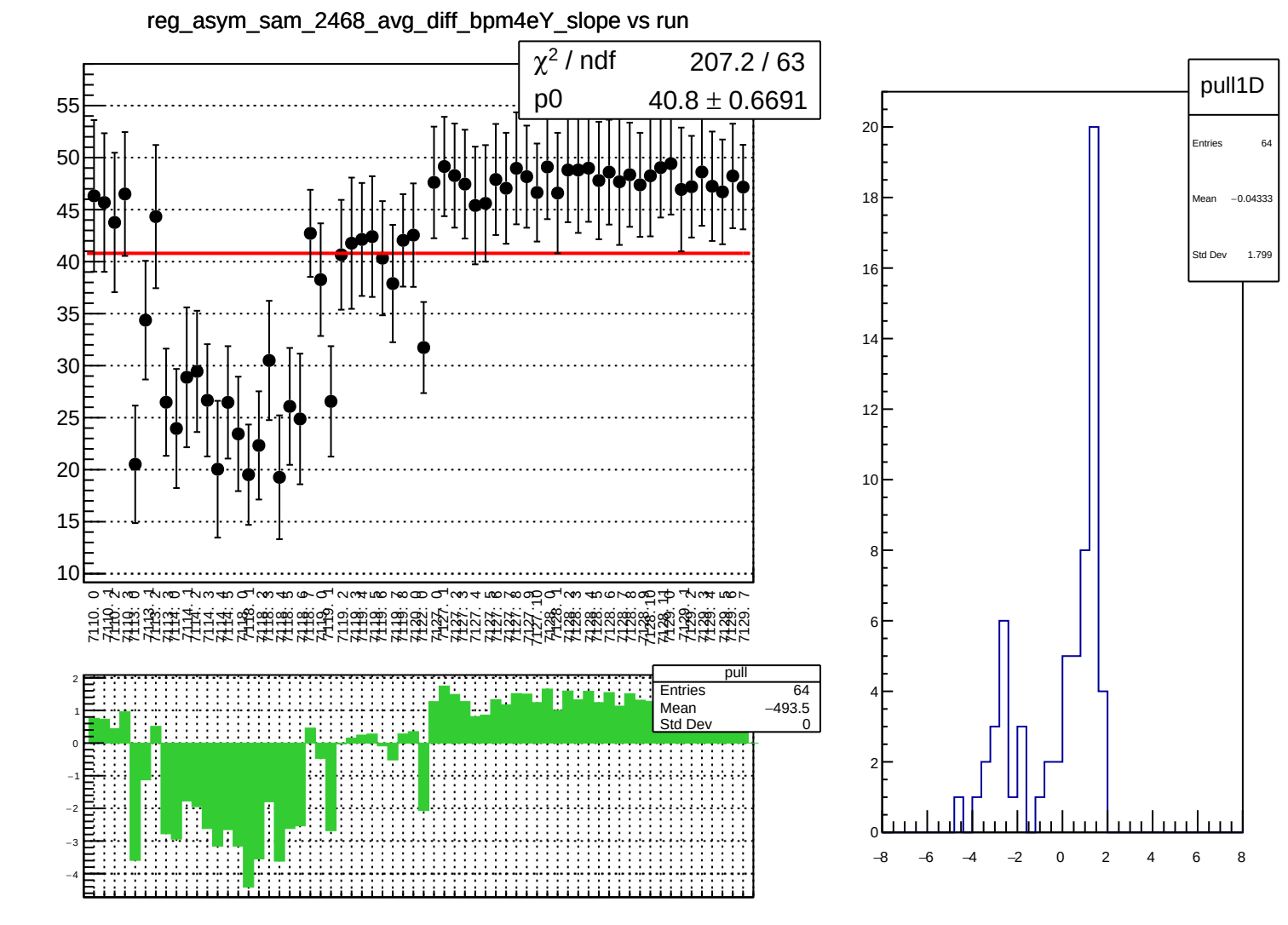

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 109 / 63
p0 0.1425 ± 0.01559
pull
Entries 64
Mean −210.7
Std Dev 0
pull1D
Entries 64
Mean −0.06673
Std Dev 1.303

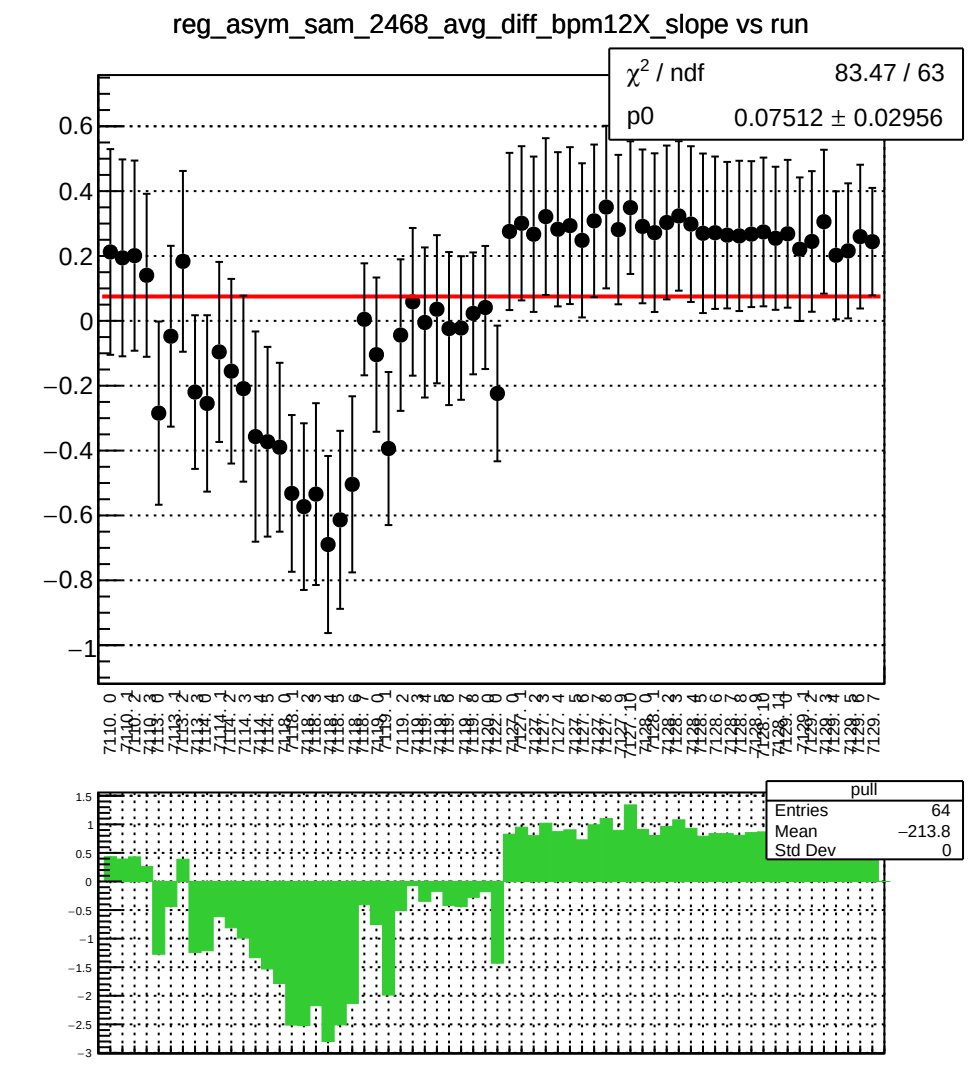

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 901 / 63
p0 −27.23 ± 0.804
pull
Entries 64
Mean 152.9
Std Dev 0
pull1D
Entries 64
Mean 0.9303
Std Dev 3.044

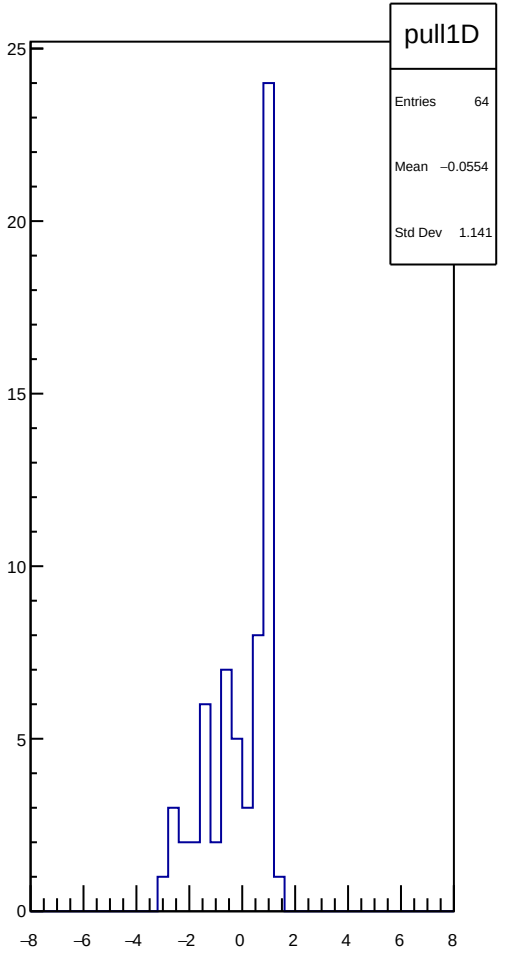

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 237.1 / 63
p0 1.513 ± 0.6336
pull
Entries 64
Mean −449.7
Std Dev 0
pull1D
Entries 64
Mean 0.0464
Std Dev 1.924

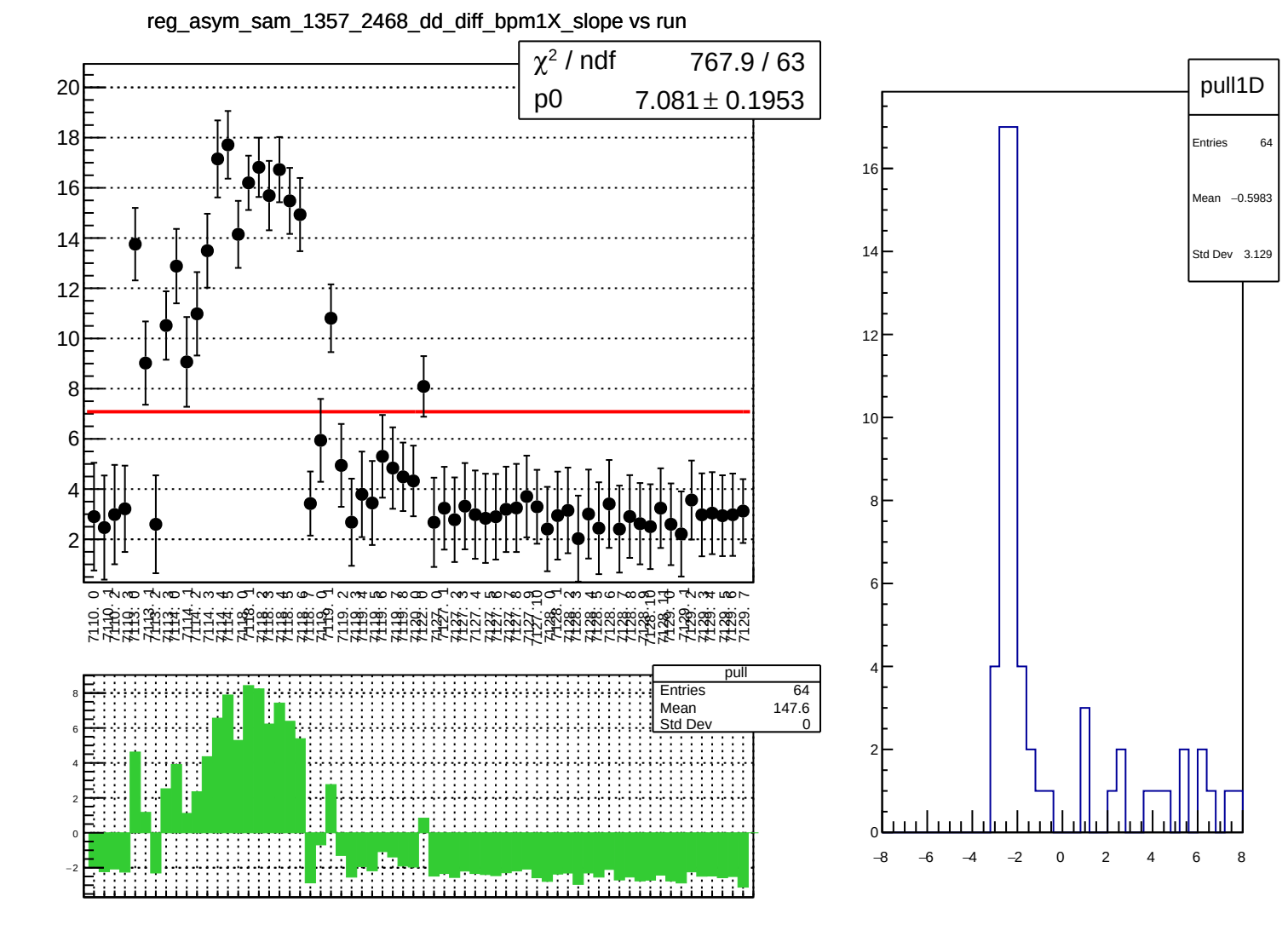

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 574.9 / 63
p0 −47.24 ± 0.7985
pull
Entries 64
Mean 95.05
Std Dev 0

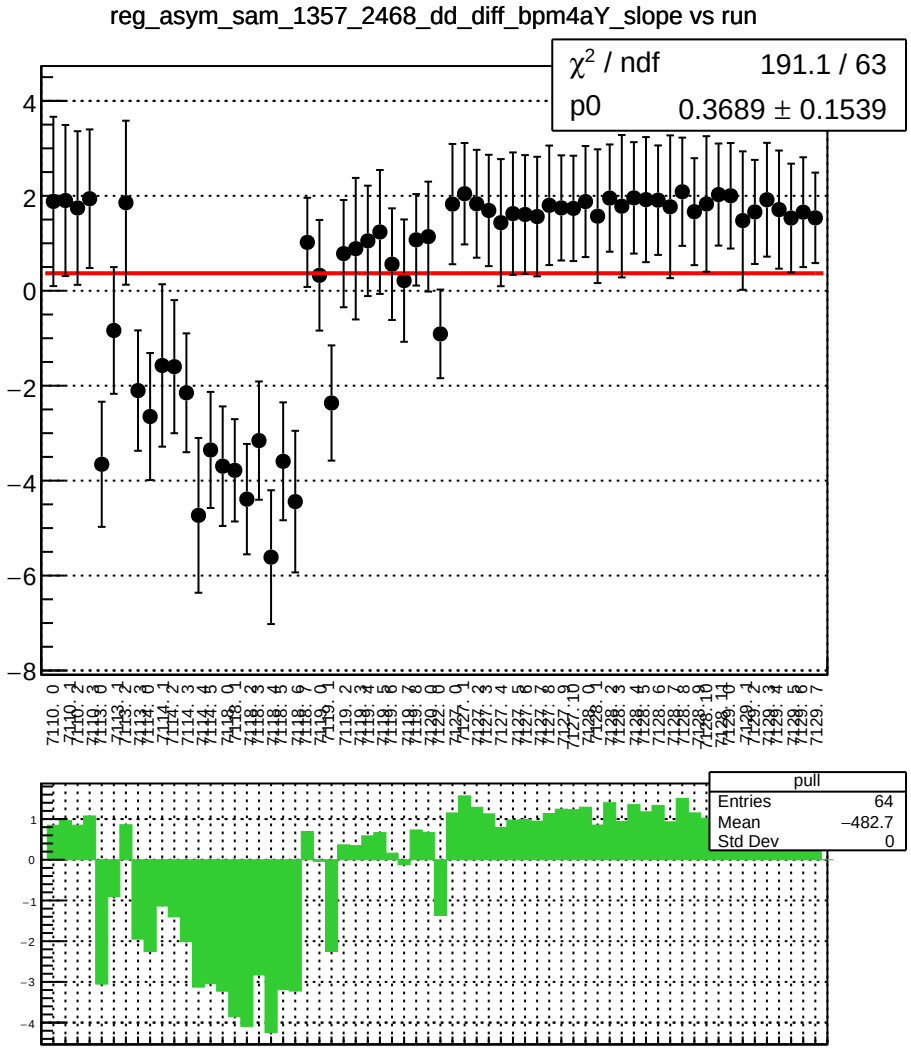

pull1D
Entries 64
Mean −0.4617
Std Dev 2.737

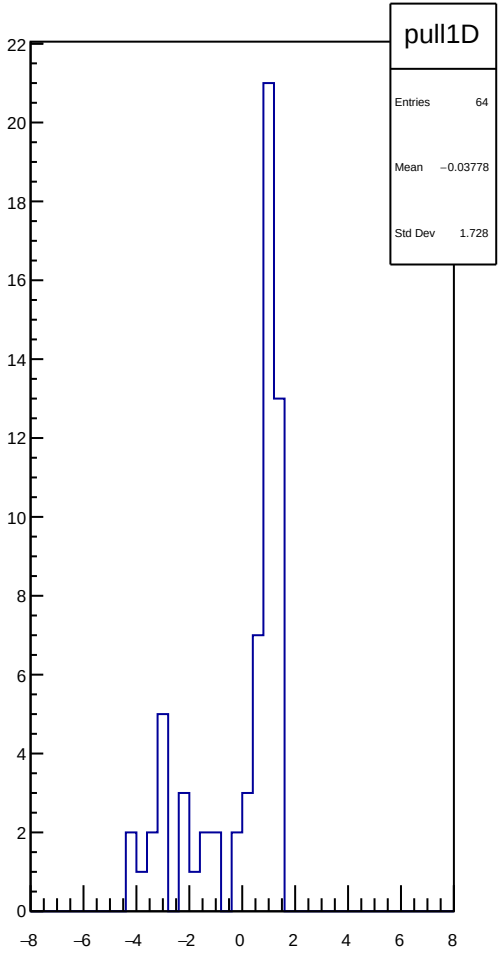

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 207.2 / 63
p0 40.8 ± 0.6691
pull
Entries 64
Mean −493.5
Std Dev 0
pull1D
Entries 64
Mean −0.04333
Std Dev 1.799

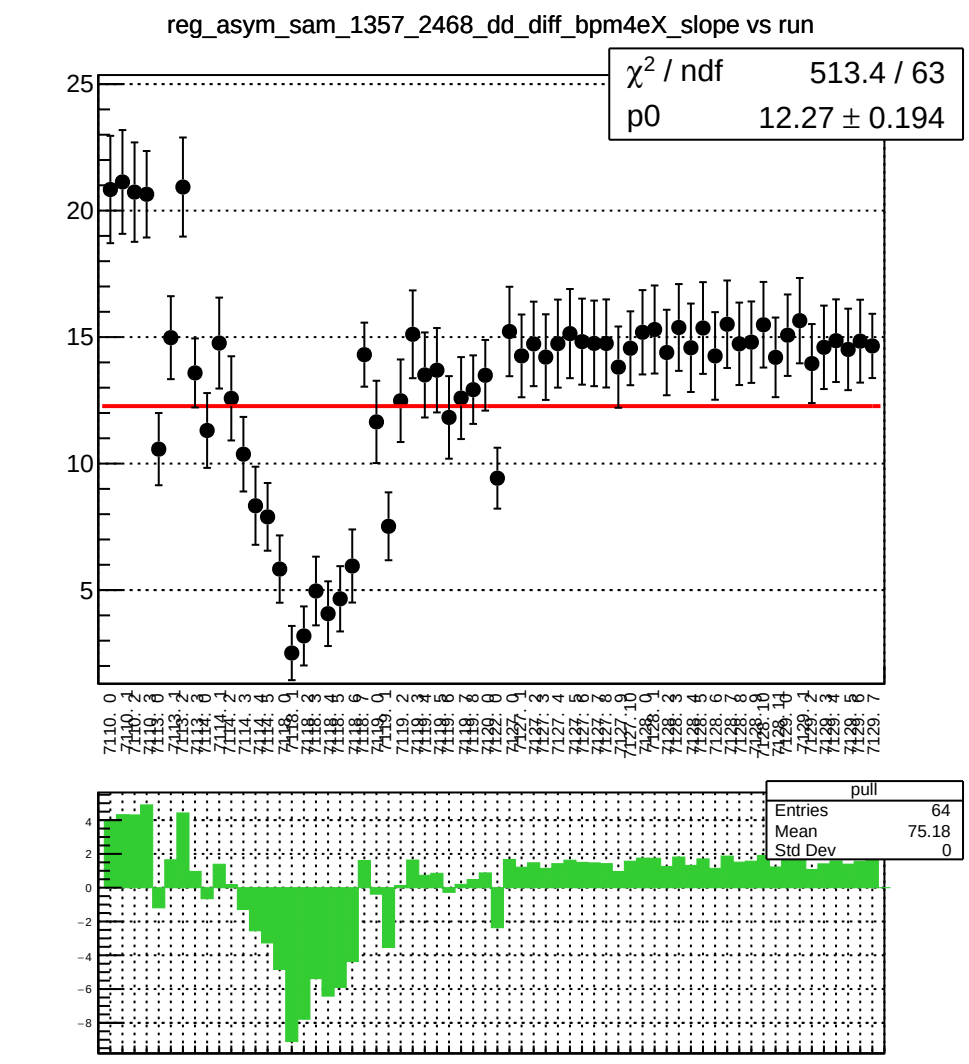

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 83.47 / 63
p0 0.07512 ± 0.02956
pull
Entries 64
Mean −213.8
Std Dev 0

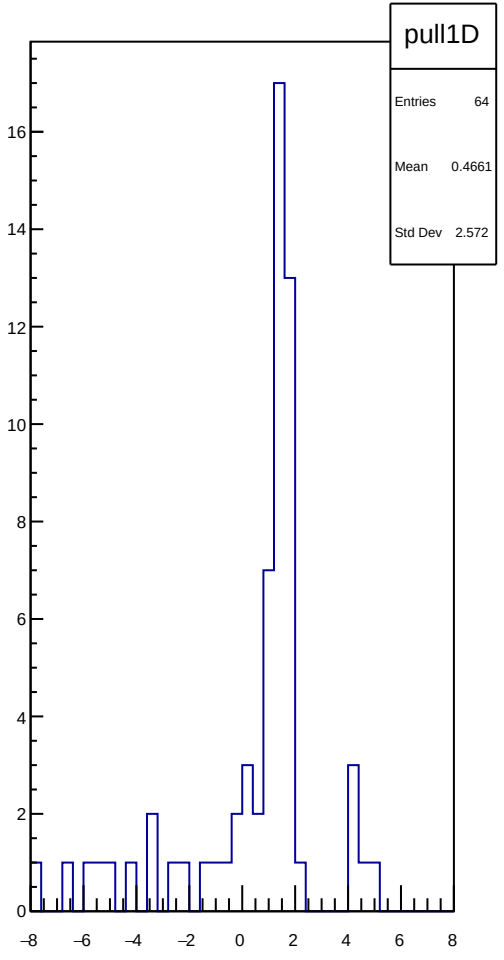

pull1D
Entries 64
Mean −0.0554
Std Dev 1.141

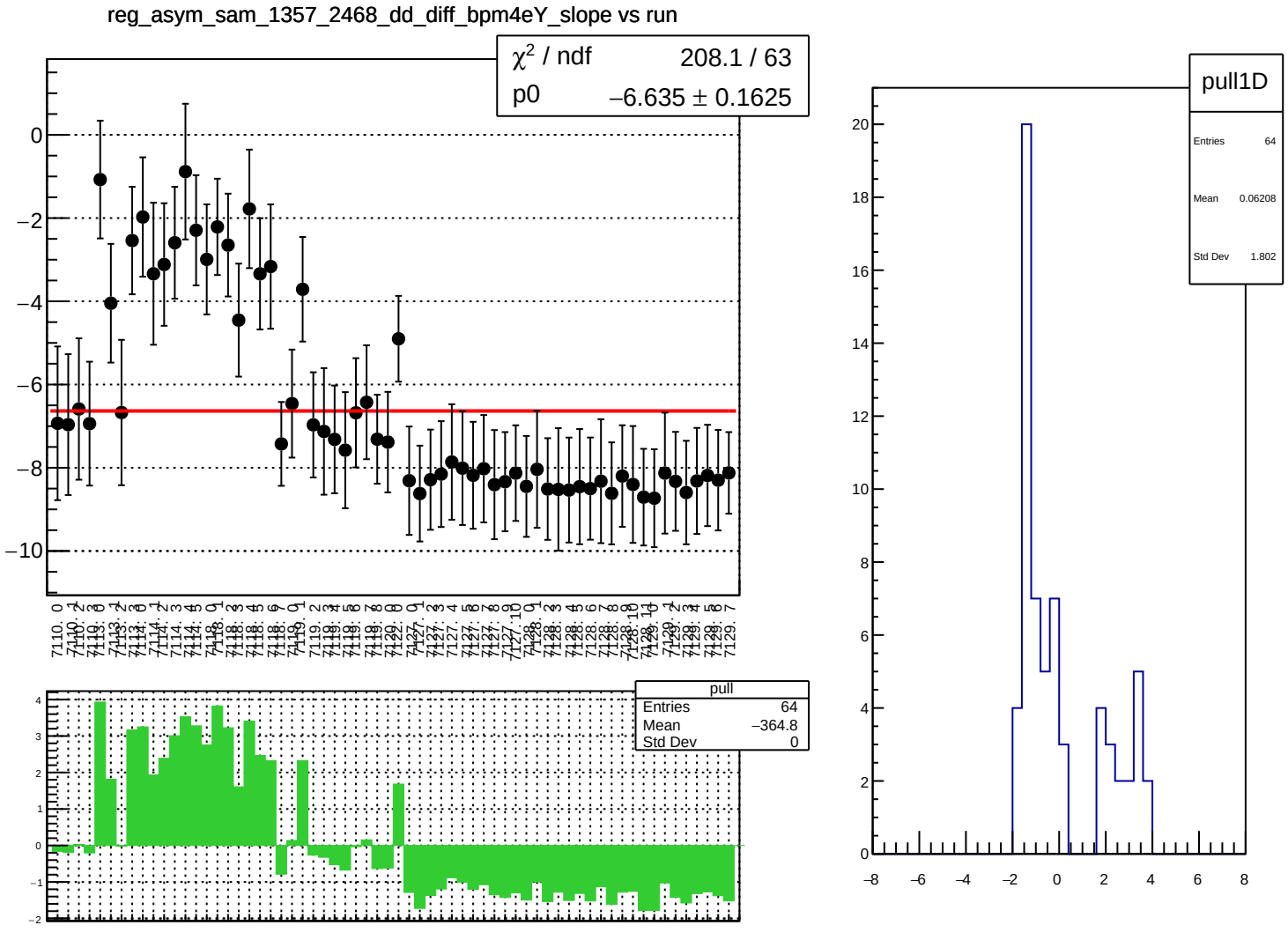

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 767.9 / 63
p0 7.081 ± 0.1953
pull
Entries 64
Mean 147.6
Std Dev 0
pull1D
Entries 64
Mean −0.5983
Std Dev 3.129

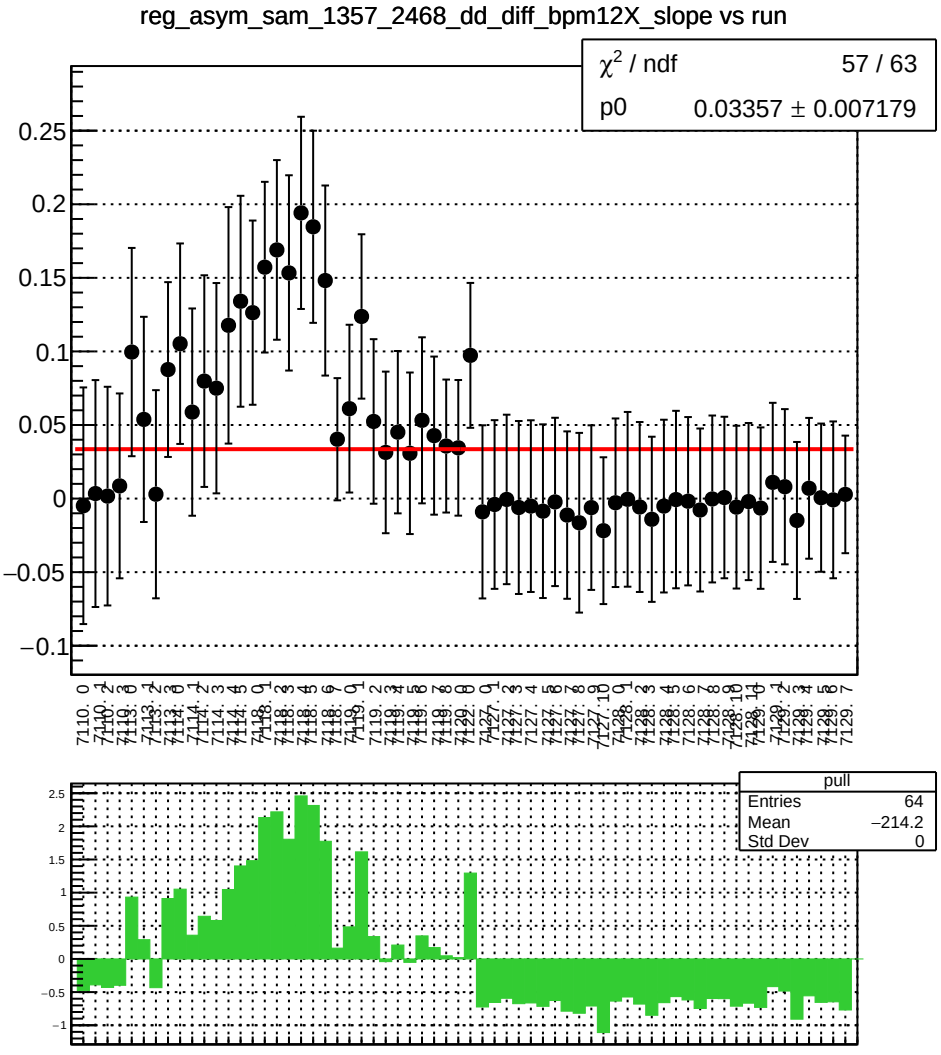

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 191.1 / 63
p0 0.3689 ± 0.1539
pull
Entries 64
Mean −482.7
Std Dev 0

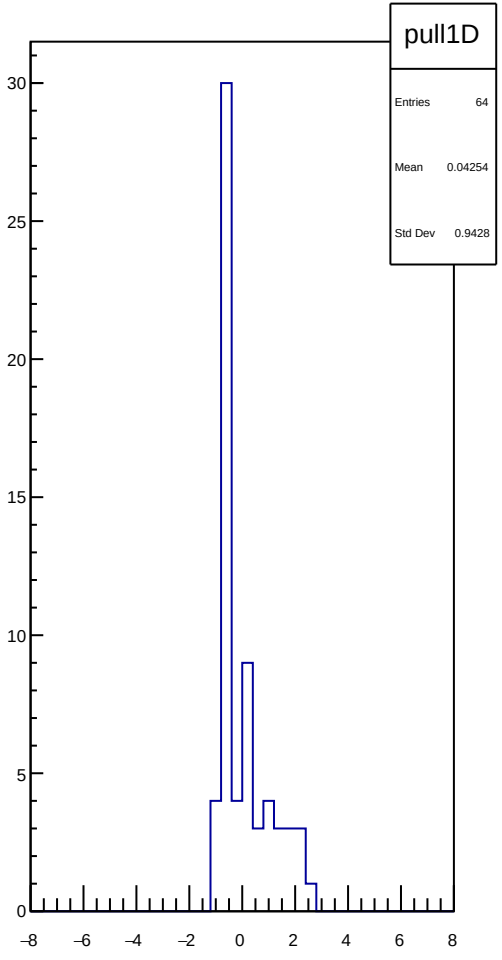

pull1D
Entries 64
Mean −0.03778
Std Dev 1.728

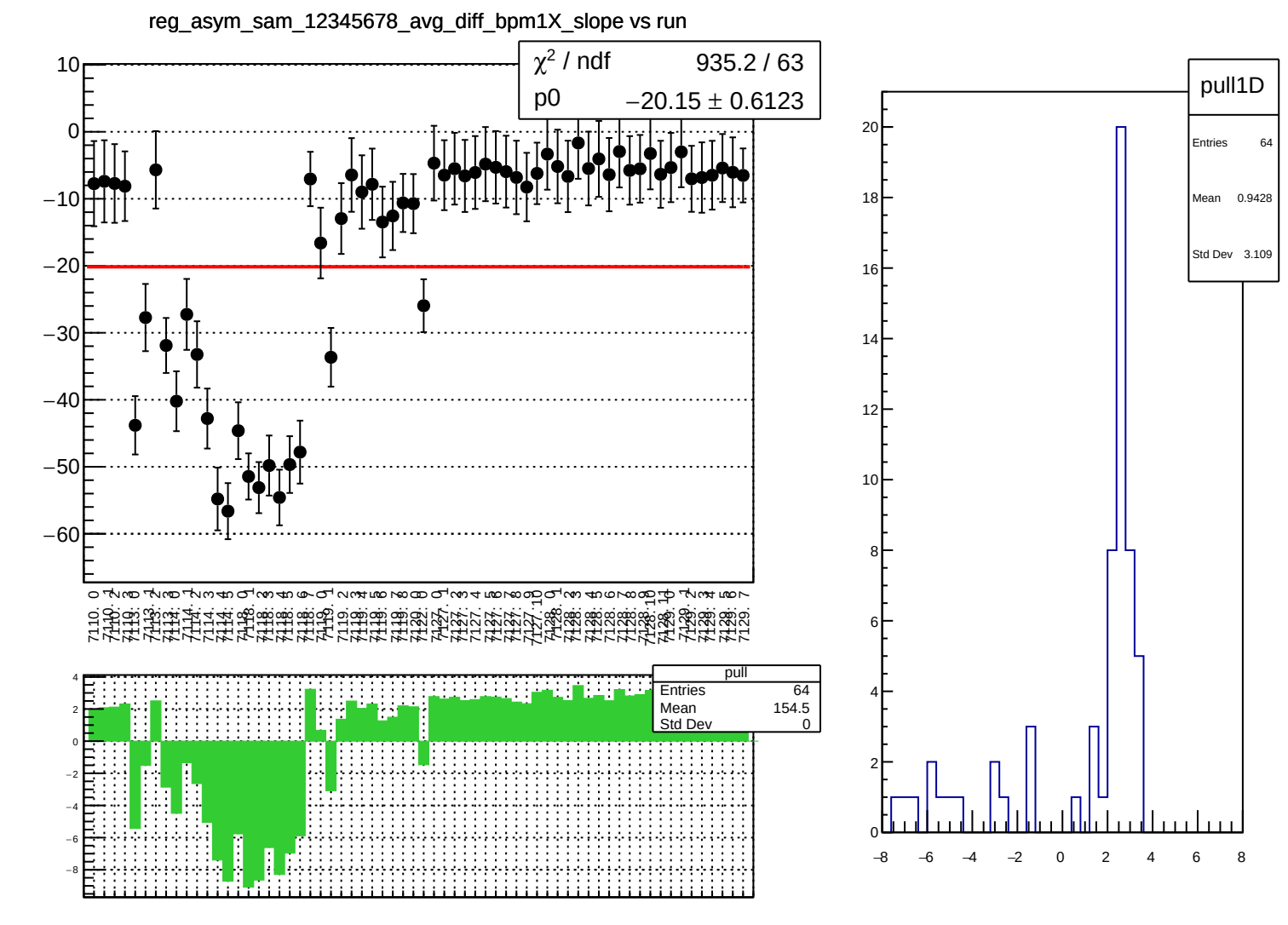

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 513.4 / 63
p0 12.27 ± 0.194
pull
Entries 64
Mean 75.18
Std Dev 0

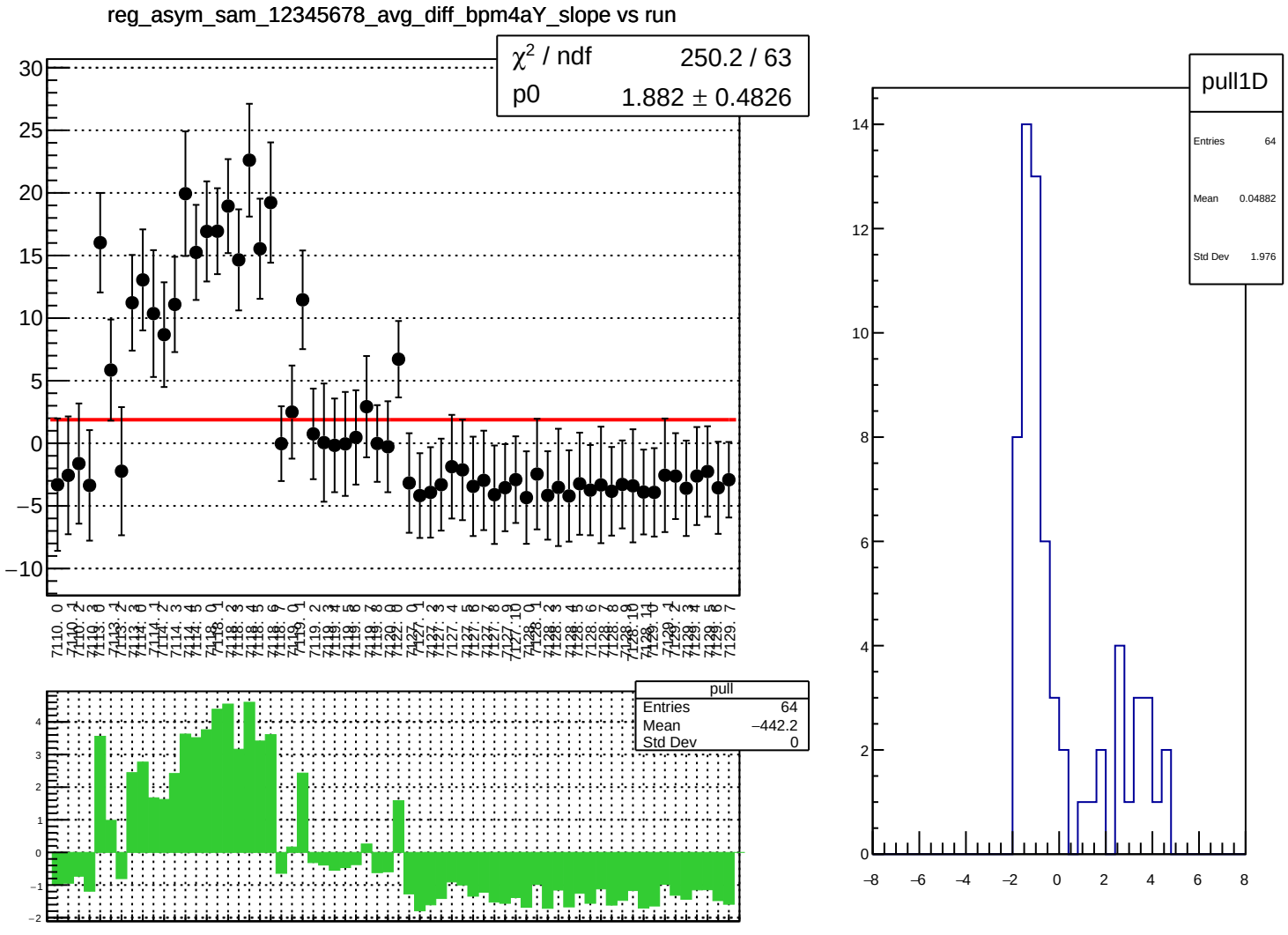

pull1D
Entries 64
Mean 0.4661
Std Dev 2.572

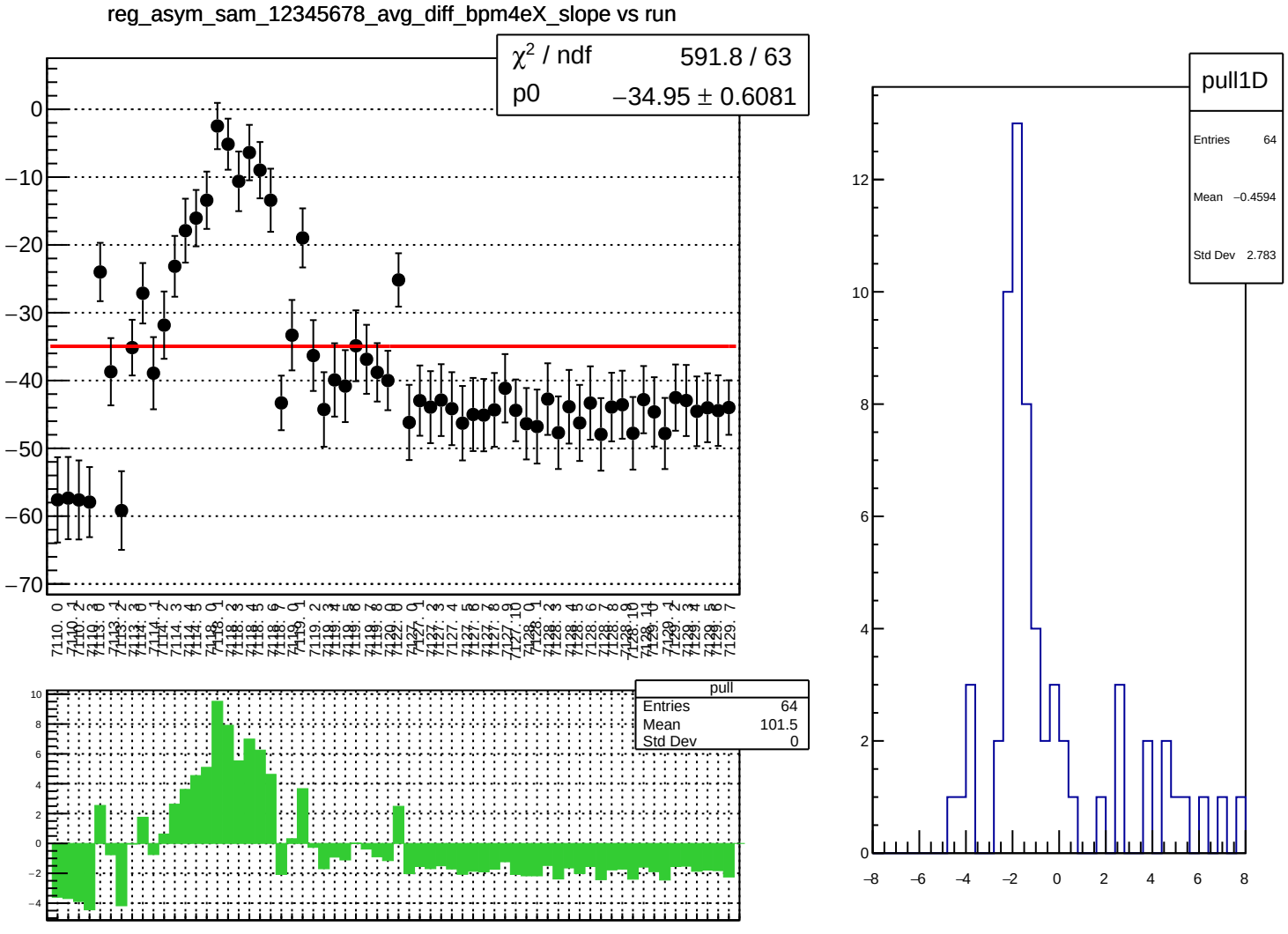

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 208.1 / 63
p0 −6.635 ± 0.1625
pull
Entries 64
Mean −364.8
Std Dev 0
pull1D
Entries 64
Mean 0.06208
Std Dev 1.802

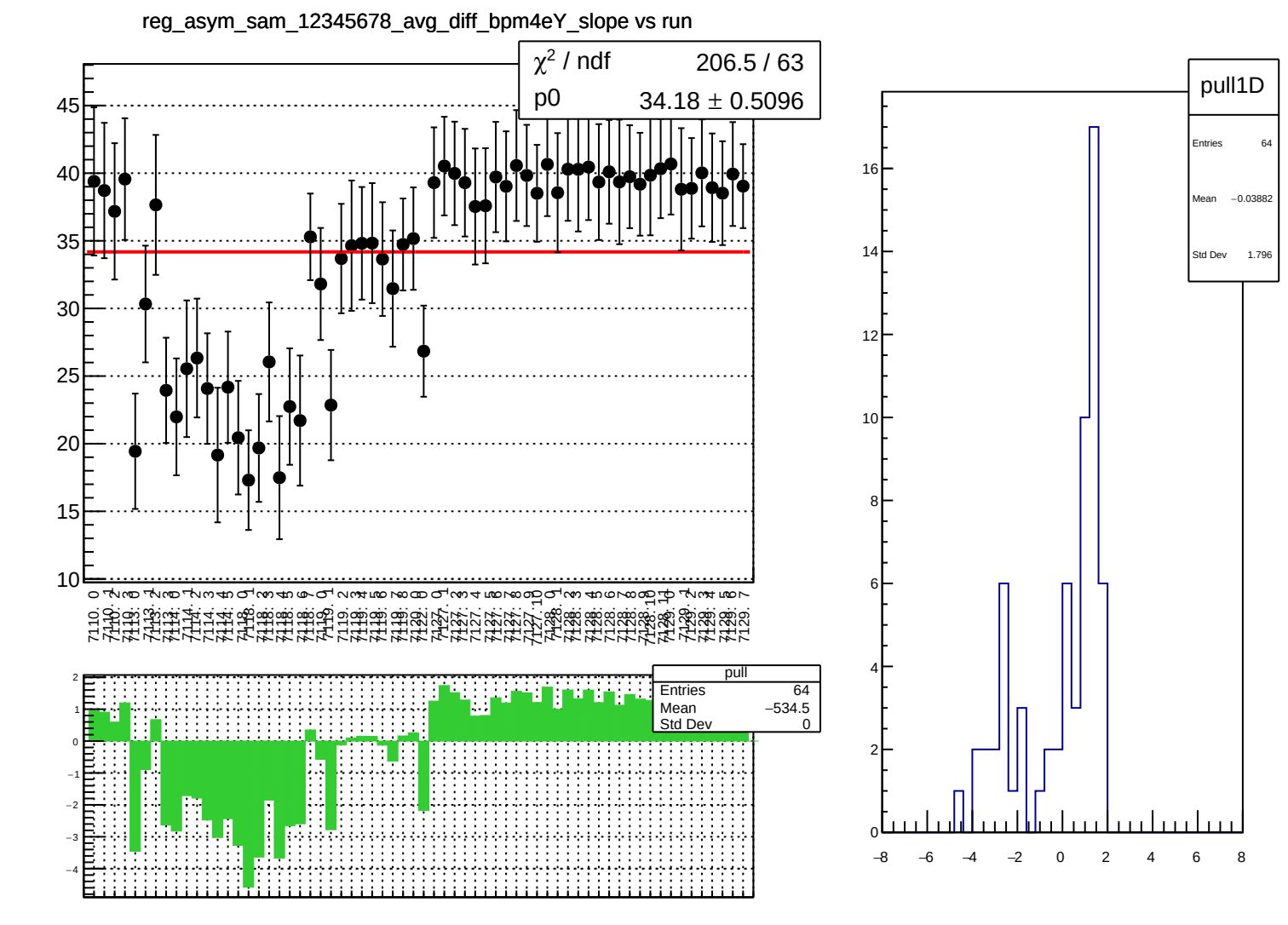

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 57 / 63
p0 0.03357 ± 0.007179
pull
Entries 64
Mean −214.2
Std Dev 0

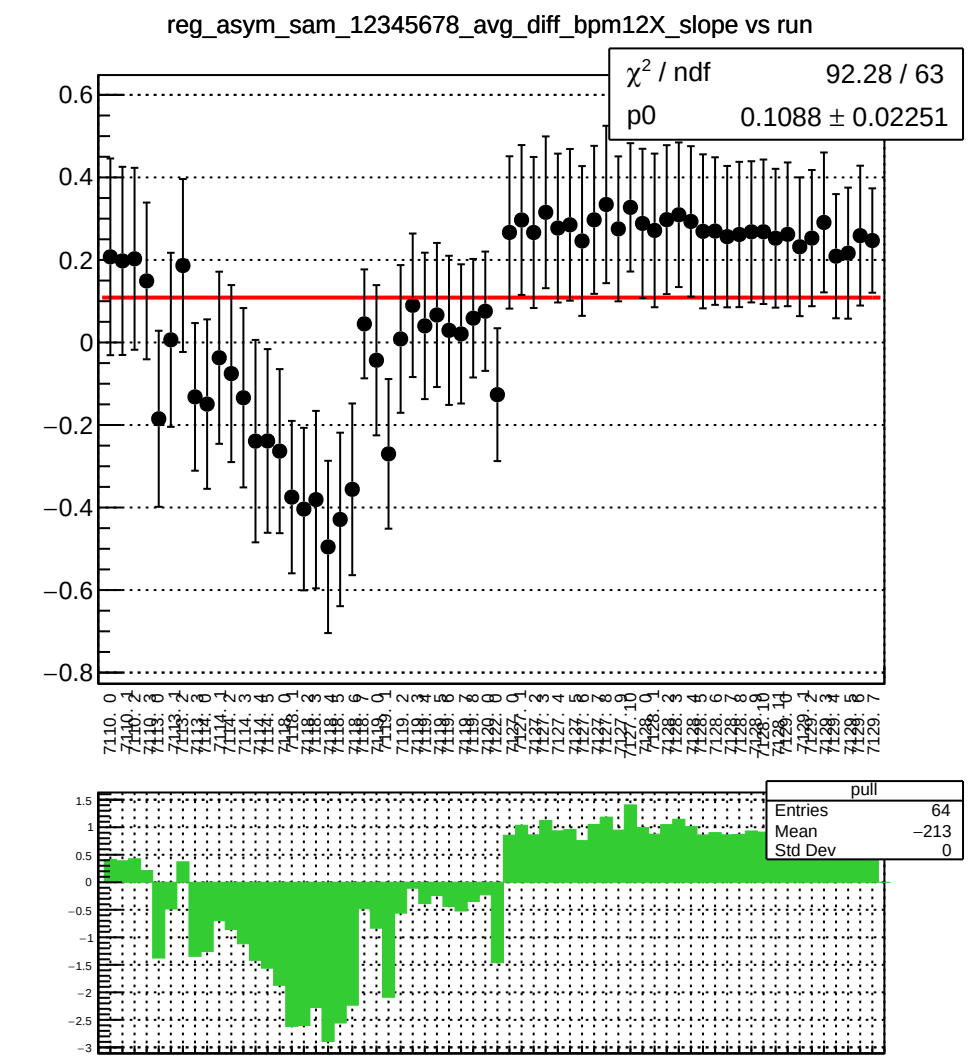

pull1D
Entries 64
Mean 0.04254
Std Dev 0.9428

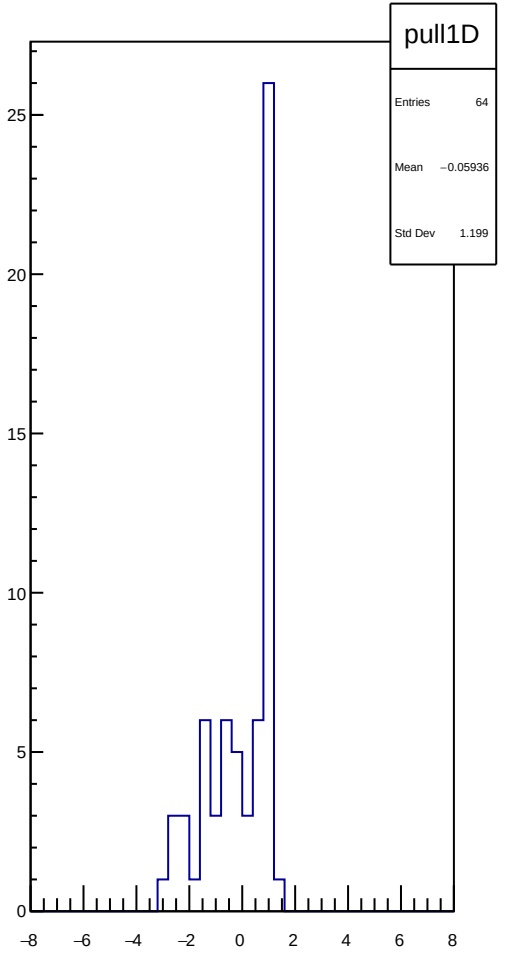

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 935.2 / 63
p0 −20.15 ± 0.6123
pull
Entries 64
Mean 154.5
Std Dev 0
pull1D
Entries 64
Mean 0.9428
Std Dev 3.109

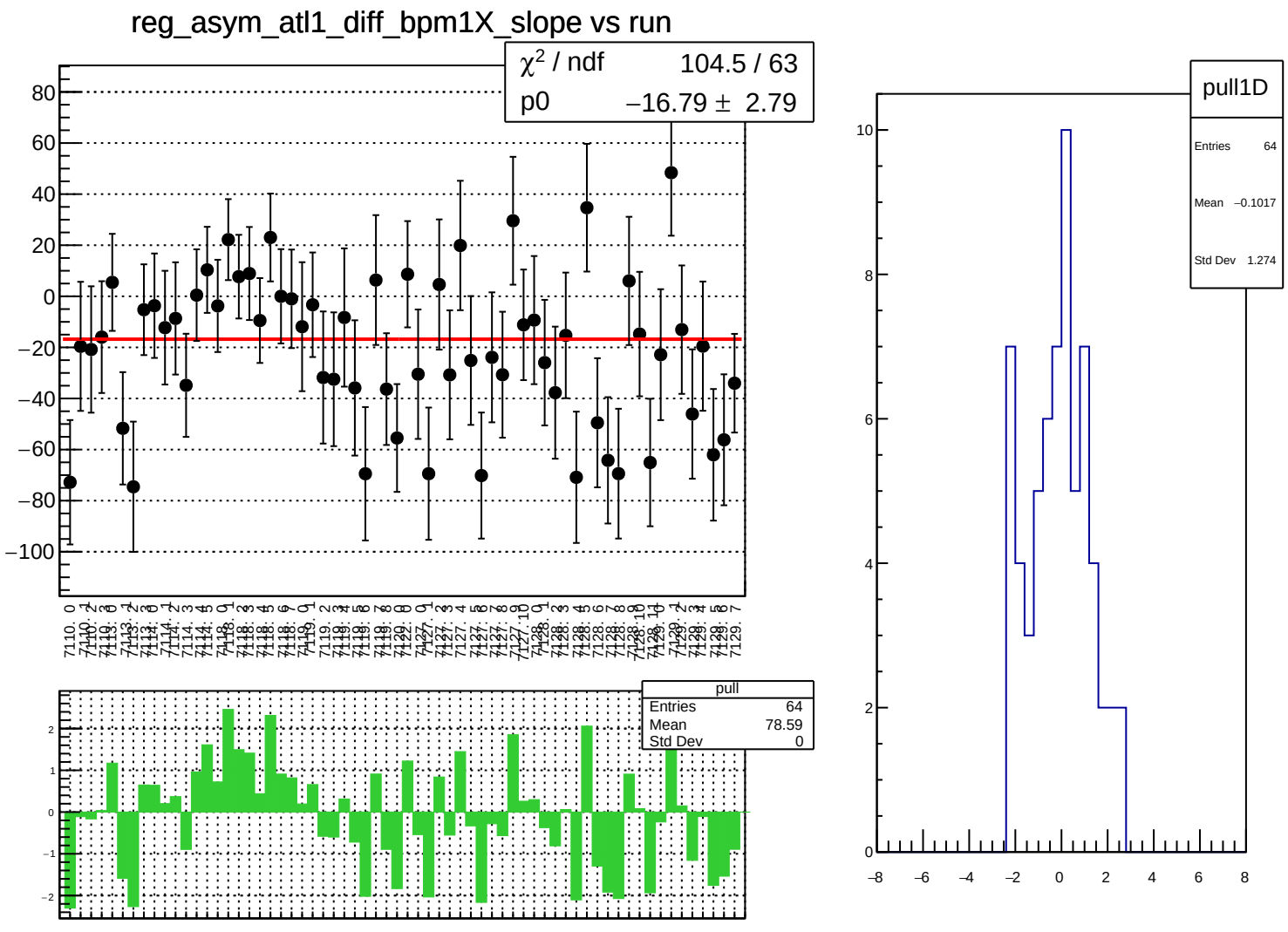

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 250.2 / 63
p0 1.882 ± 0.4826
pull
Entries 64
Mean −442.2
Std Dev 0
pull1D
Entries 64
Mean 0.04882
Std Dev 1.976

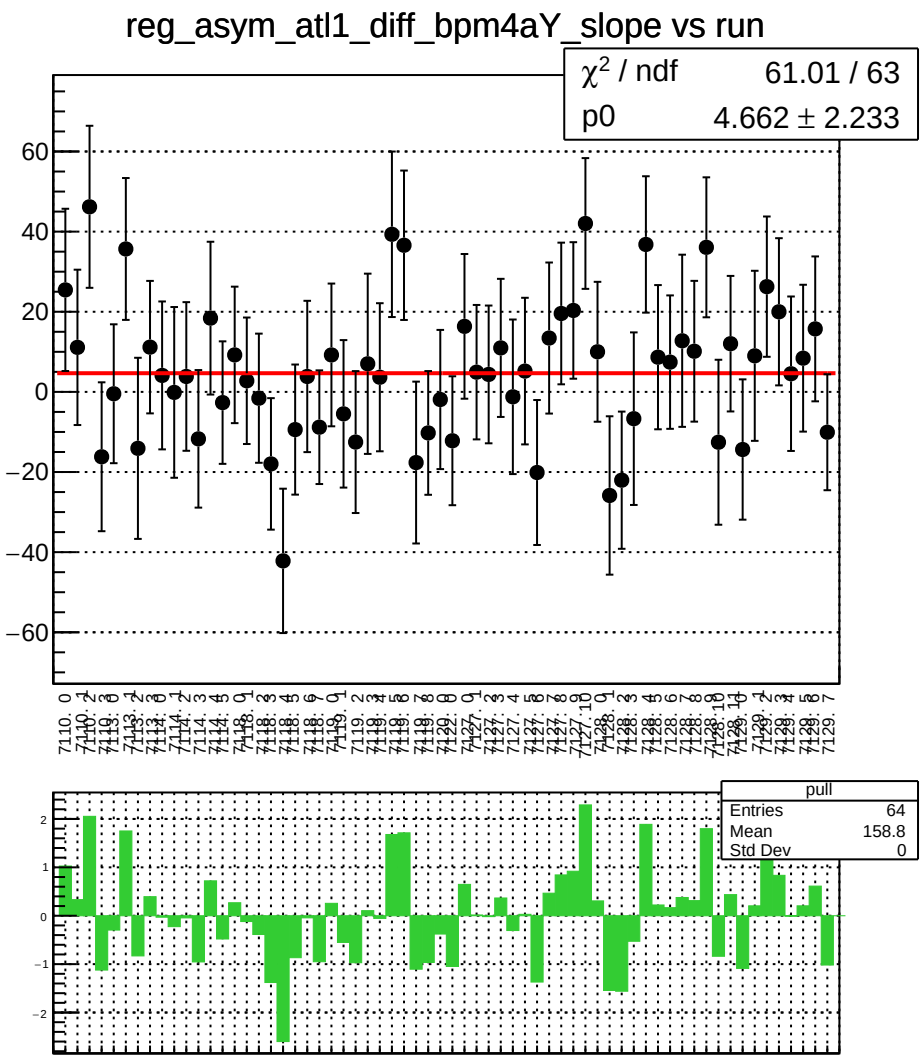

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 591.8 / 63
p0 −34.95 ± 0.6081
pull
Entries 64
Mean 101.5
Std Dev 0
pull1D
Entries 64
Mean −0.4594
Std Dev 2.783

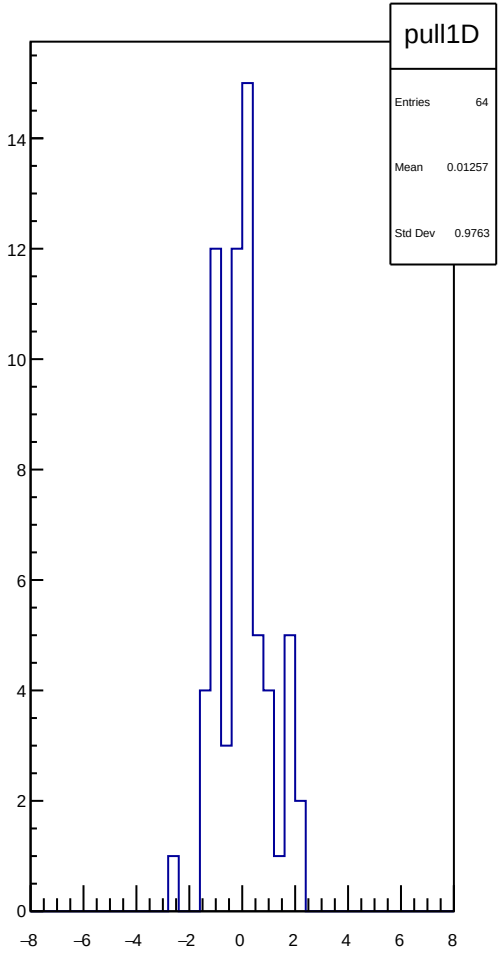

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 206.5 / 63
p0 34.18 ± 0.5096
pull
Entries 64
Mean −534.5
Std Dev 0
pull1D
Entries 64
Mean −0.03882
Std Dev 1.796

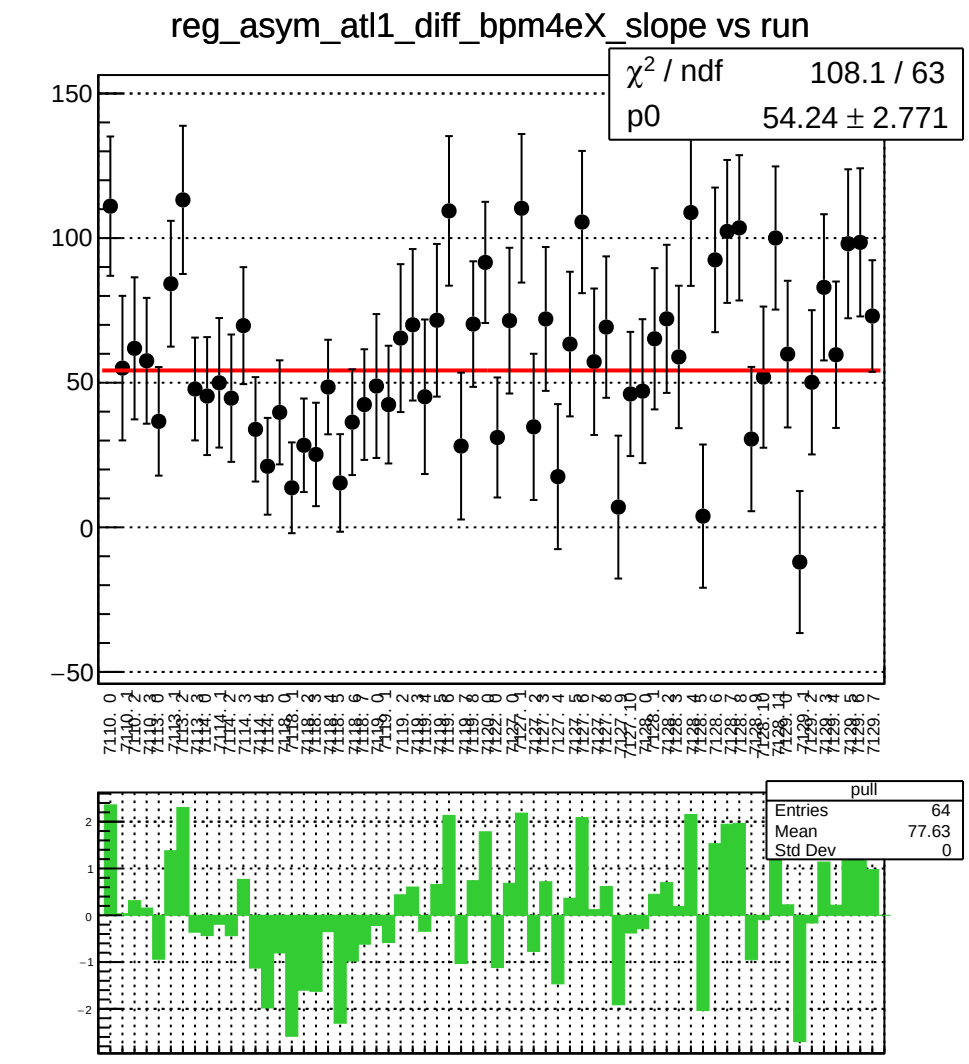

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 92.28 / 63
p0 0.1088 ± 0.02251
pull
Entries 64
Mean −213
Std Dev 0

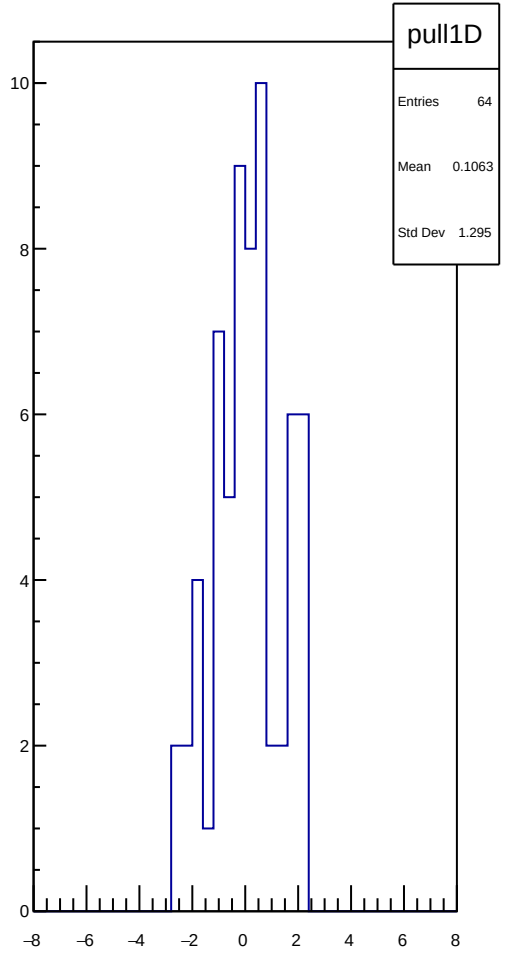

pull1D
Entries 64
Mean −0.05936
Std Dev 1.199

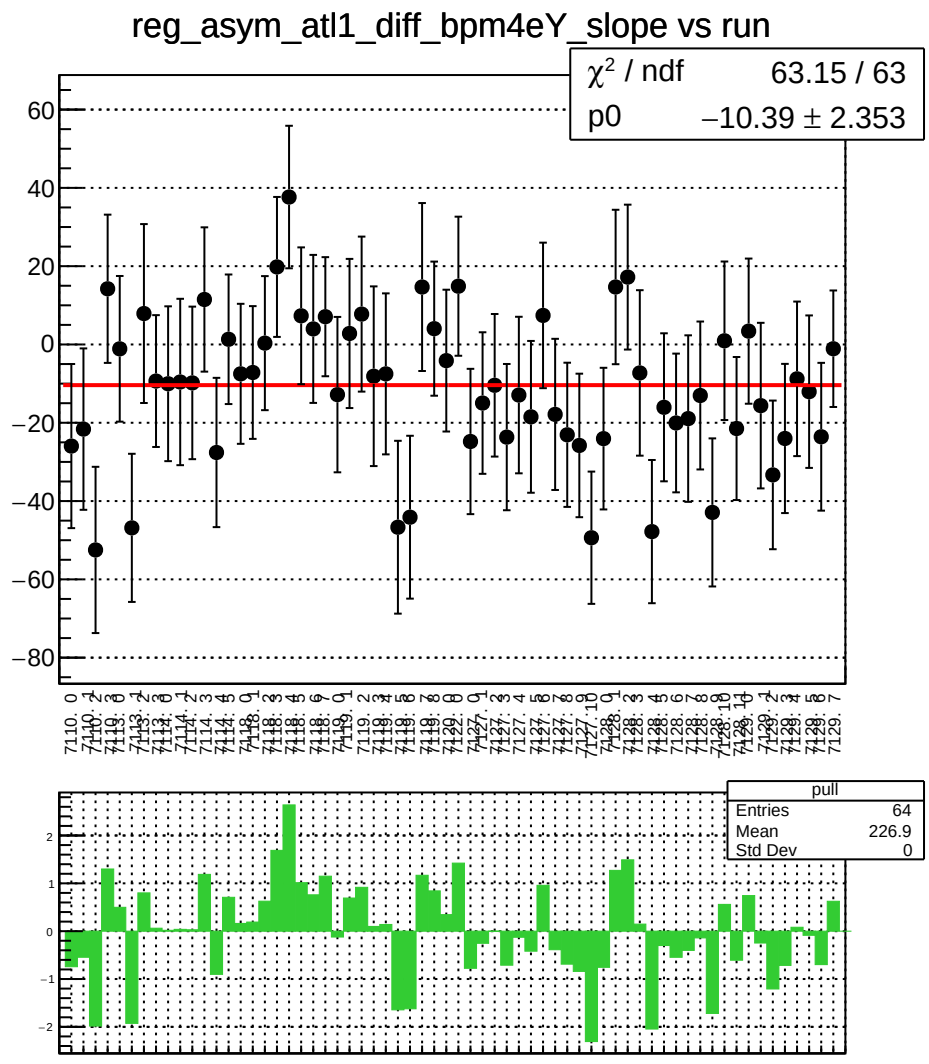

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 104.5 / 63
p0 −16.79 ± 2.79
pull
Entries 64
Mean 78.59
Std Dev 0
pull1D
Entries 64
Mean −0.1017
Std Dev 1.274

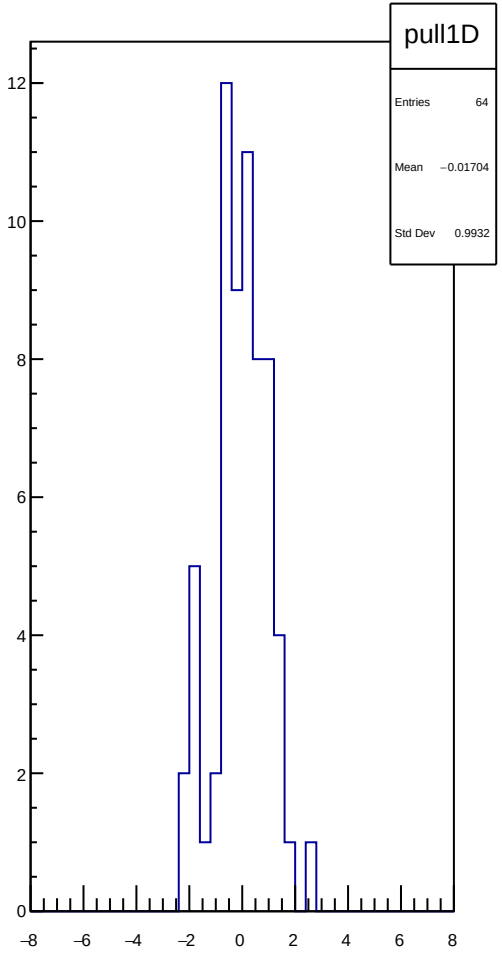

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 61.01 / 63
p0 4.662 ± 2.233
pull
Entries 64
Mean 158.8
Std Dev 0

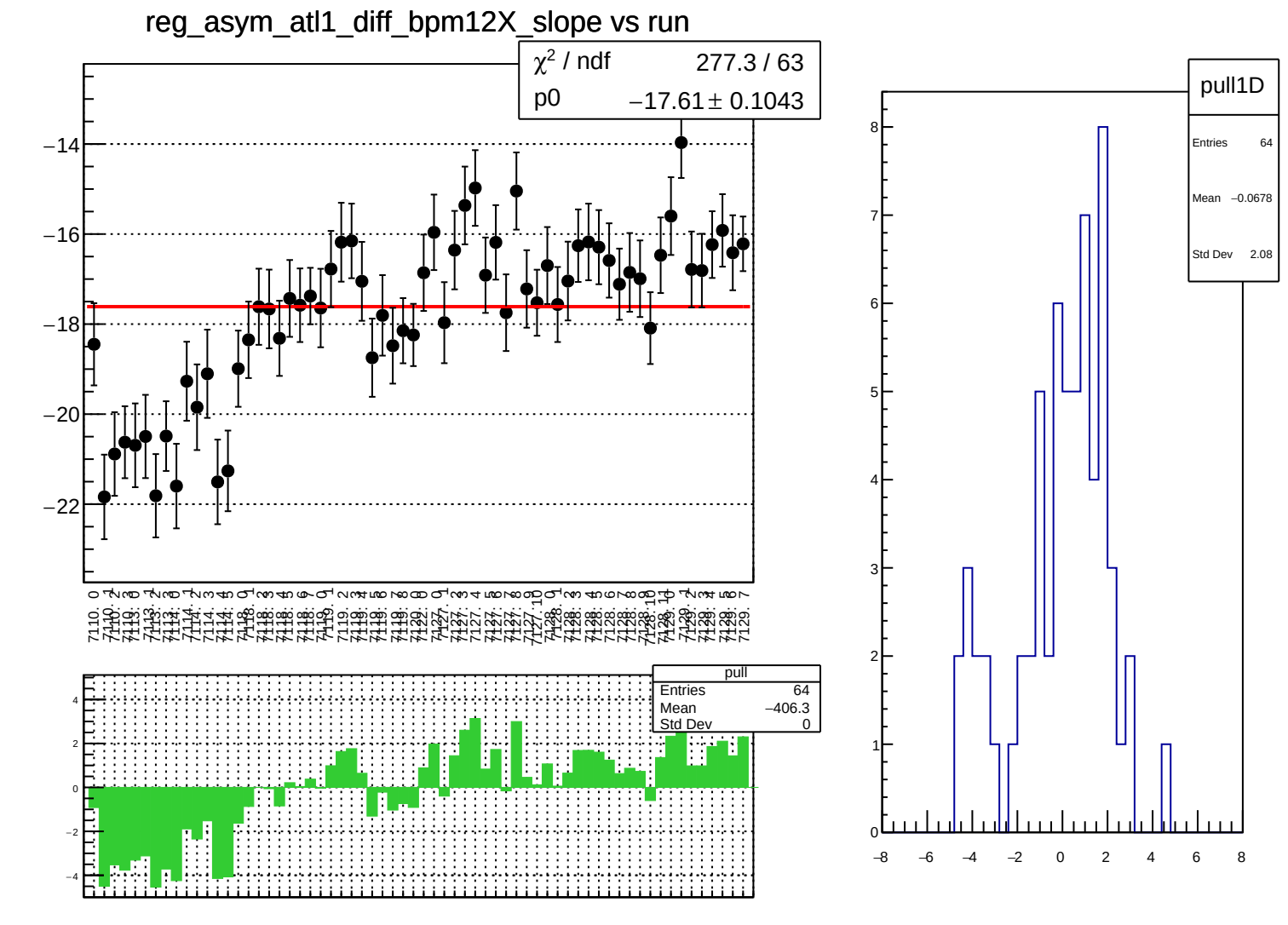

pull1D
Entries 64
Mean 0.01257
Std Dev 0.9763

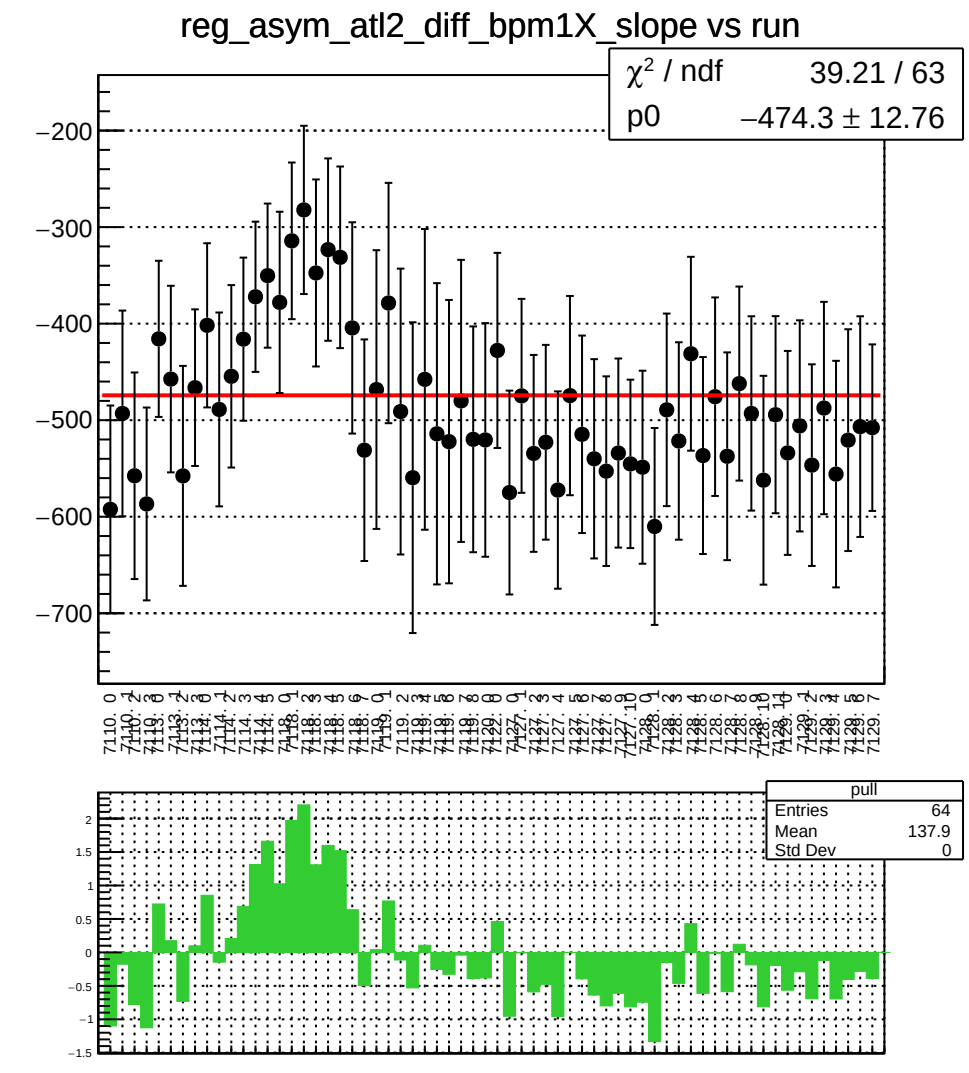

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 108.1 / 63
p0 54.24 ± 2.771
150
100
50
0
−50
pull
Entries 64
Mean 77.63
Std Dev 0
2
1
0
−1
−2

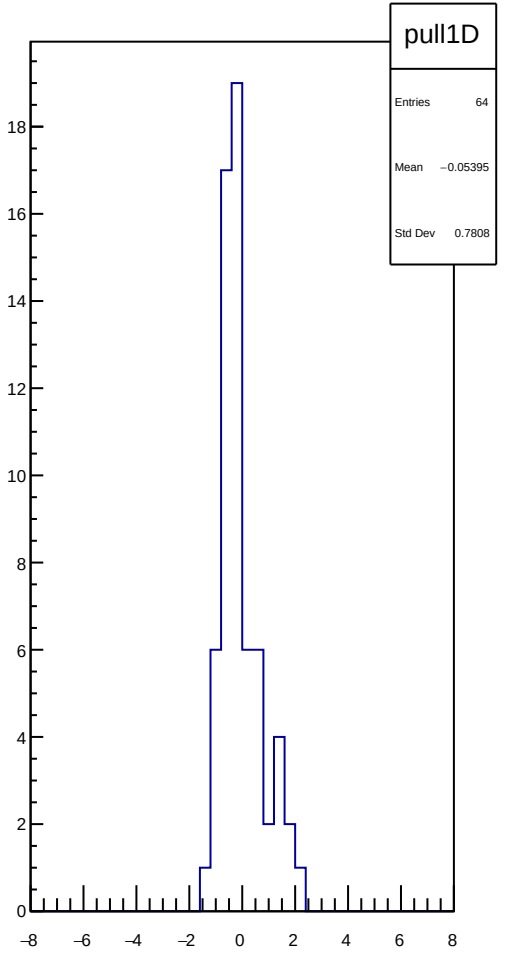

pull1D
Entries 64
Mean 0.1063
Std Dev 1.295
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

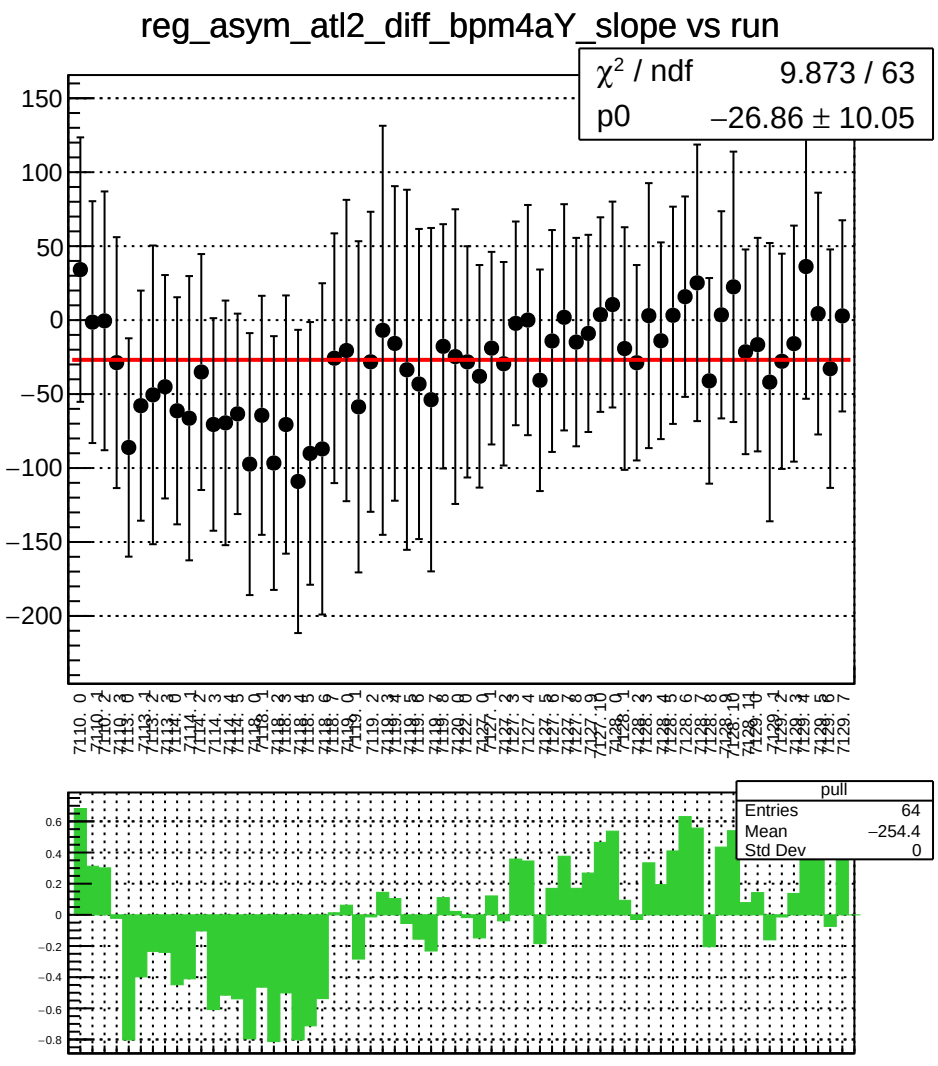

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 63.15 / 63
p0 −10.39 ± 2.353
pull
Entries 64
Mean 226.9
Std Dev 0

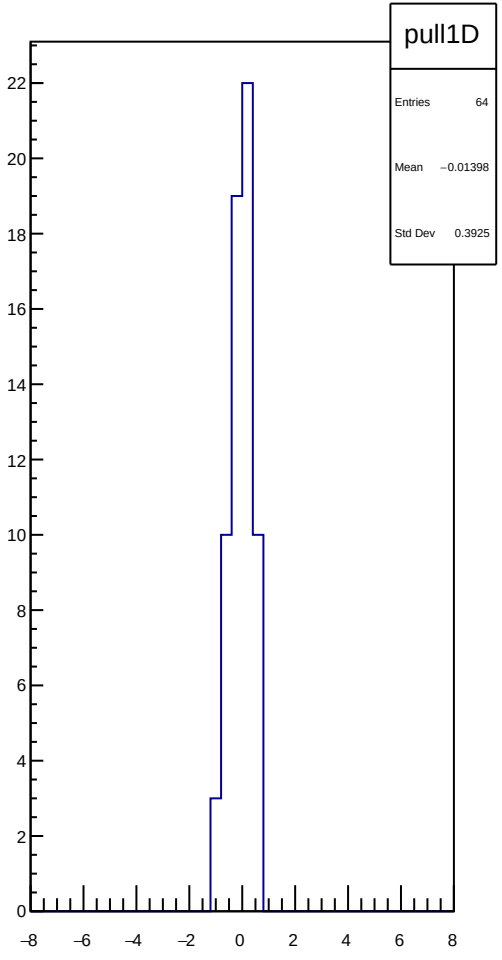

pull1D
Entries 64
Mean −0.01704
Std Dev 0.9932

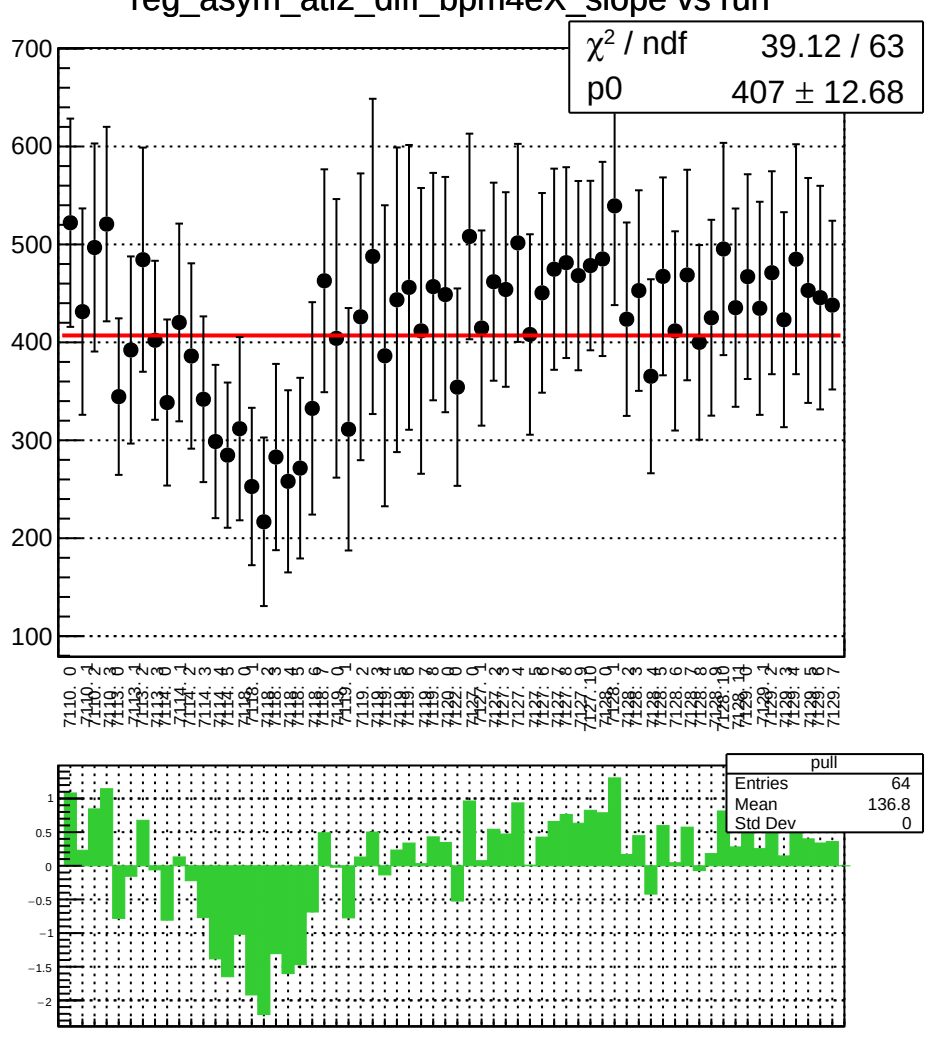

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 277.3 / 63
p0 −17.61 ± 0.1043
pull
Entries 64
Mean −406.3
Std Dev 0
pull1D
Entries 64
Mean −0.0678
Std Dev 2.08

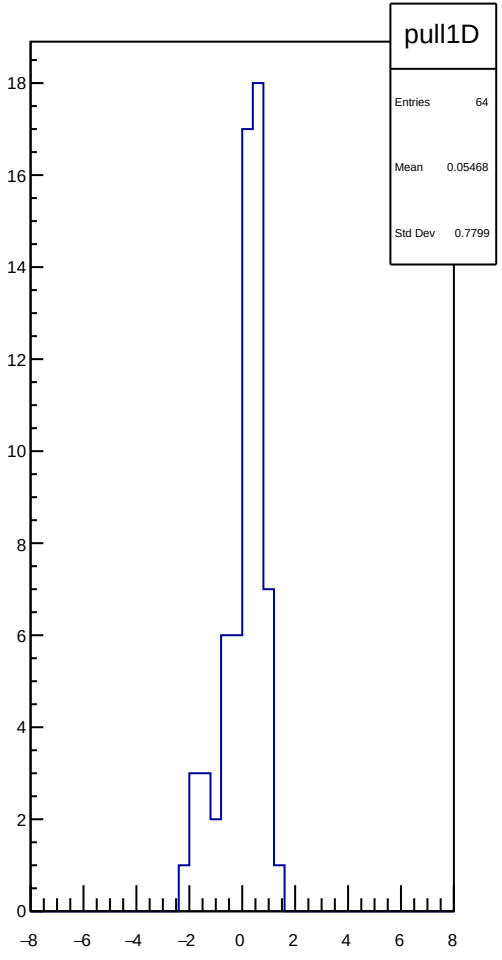

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 39.21 / 63
p0 −474.3 ± 12.76
pull
Entries 64
Mean 137.9
Std Dev 0

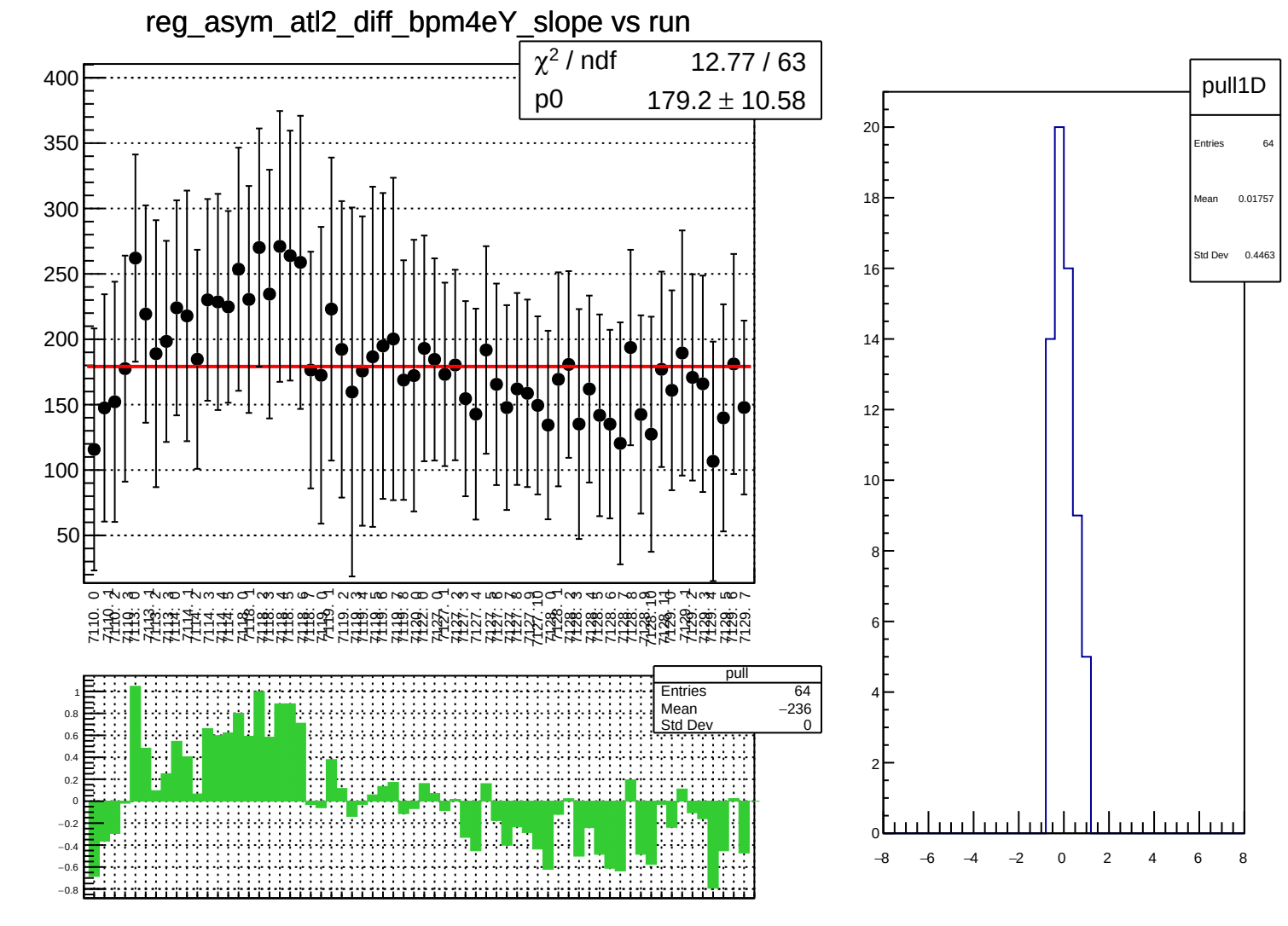

pull1D
Entries 64
Mean −0.05395
Std Dev 0.7808

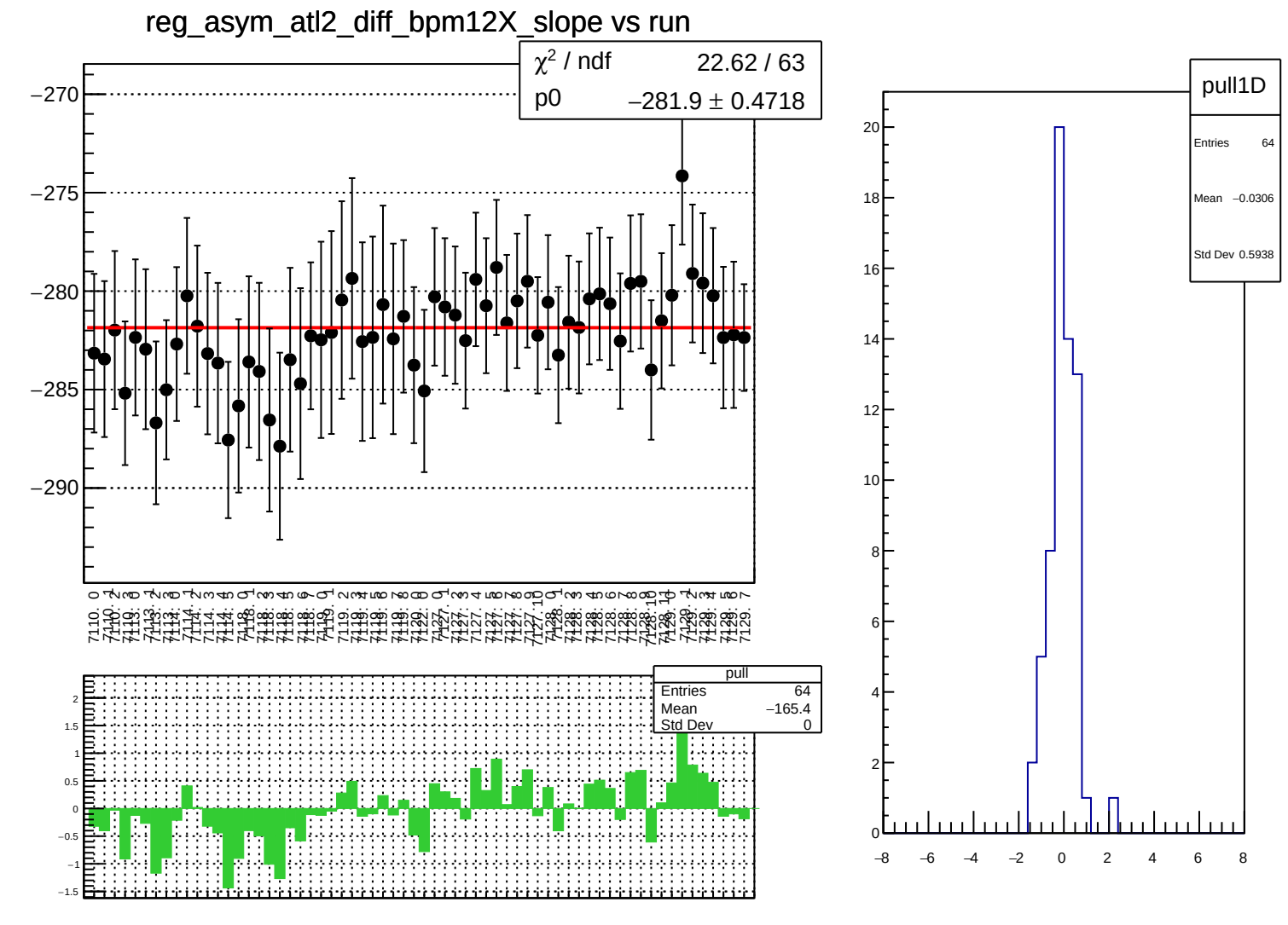

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.873 / 63
p0 −26.86 ± 10.05
pull
Entries 64
Mean −254.4
Std Dev 0

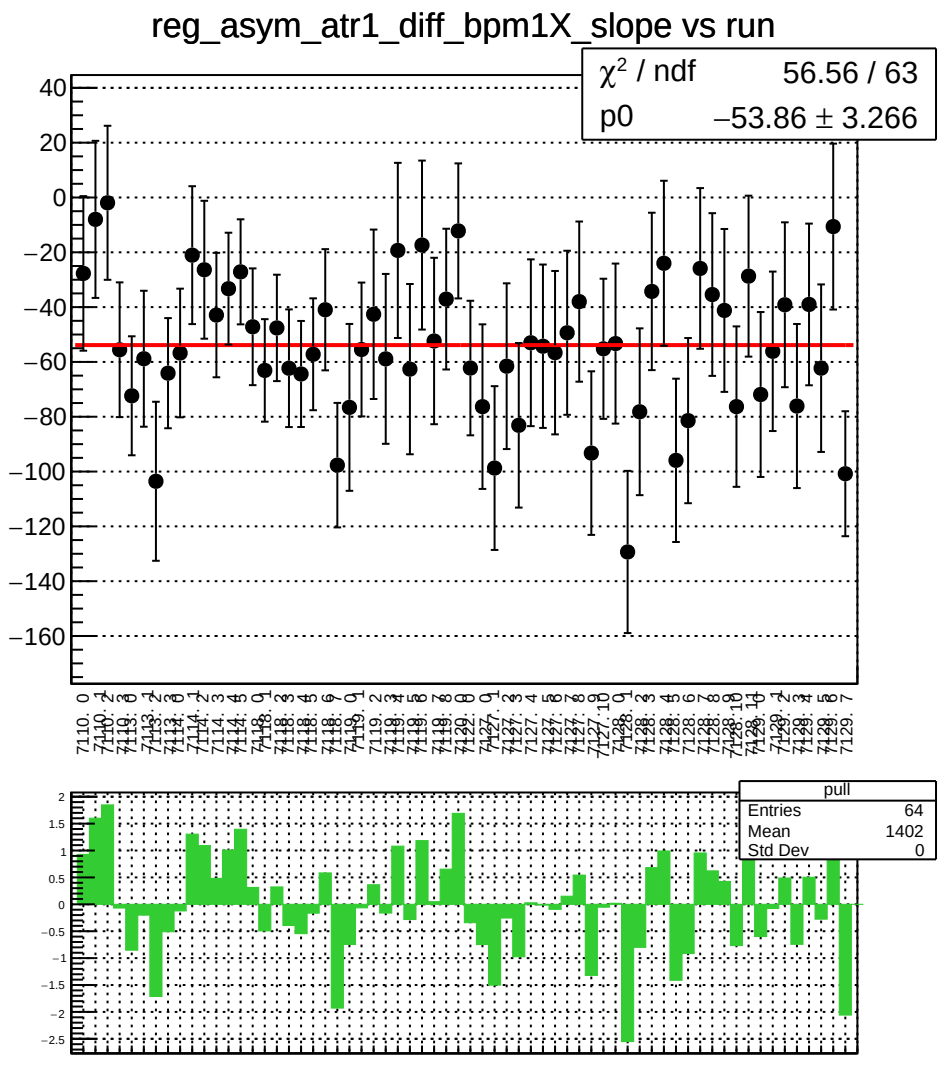

pull1D
Entries 64
Mean −0.01398
Std Dev 0.3925

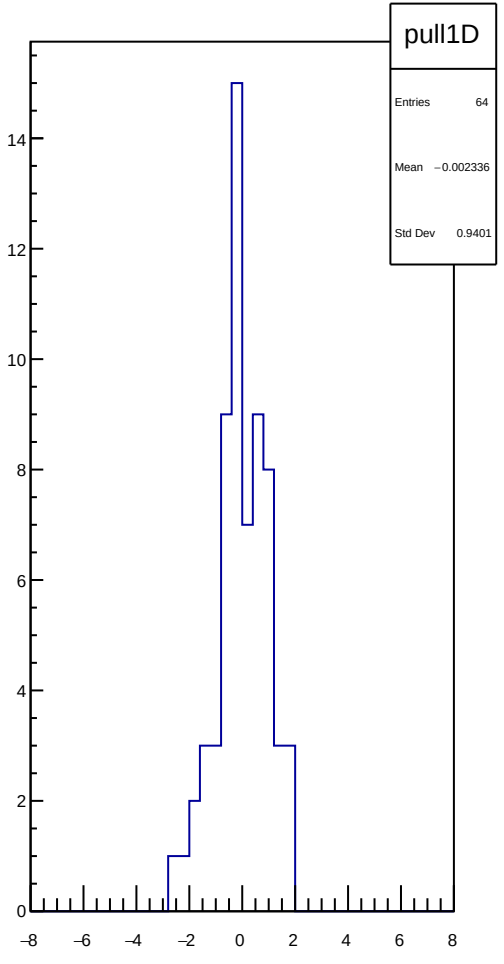

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 39.12 / 63
p0 407 ± 12.68
pull
Entries 64
Mean 136.8
Std Dev 0

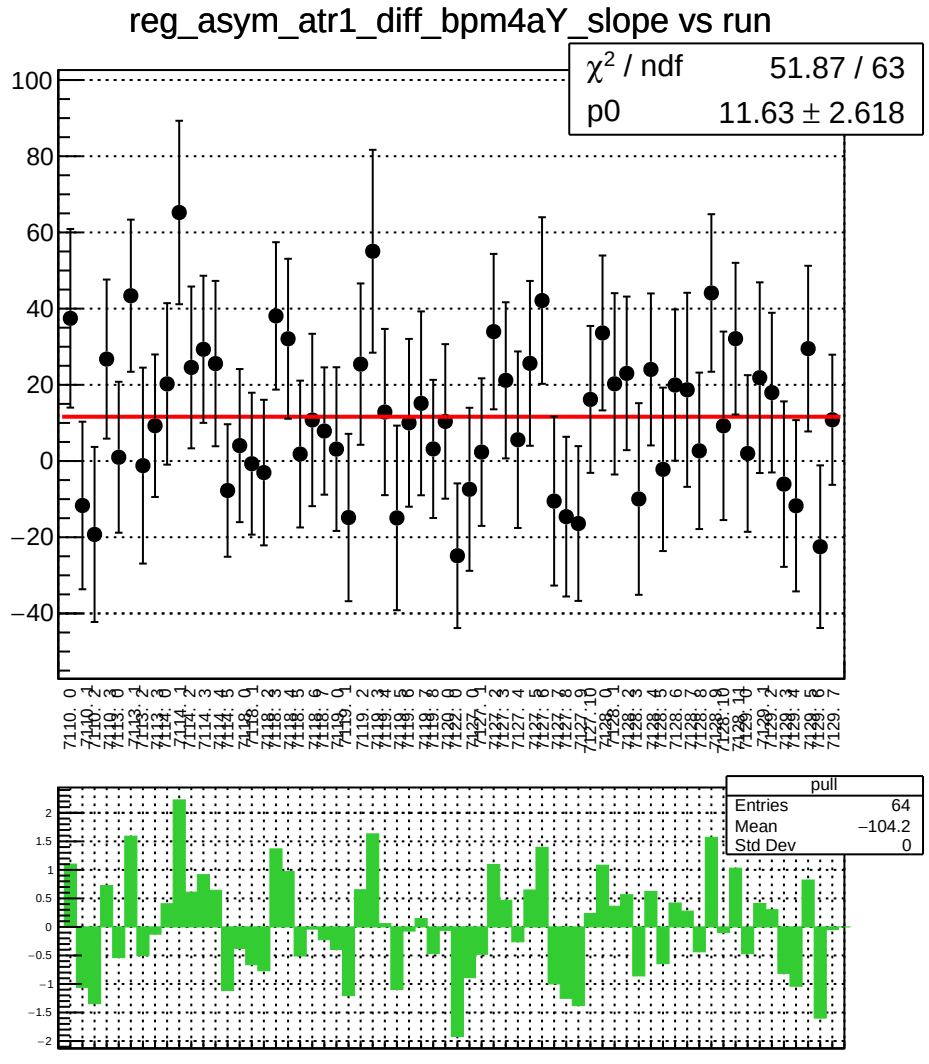

pull1D
Entries 64
Mean 0.05468
Std Dev 0.7799

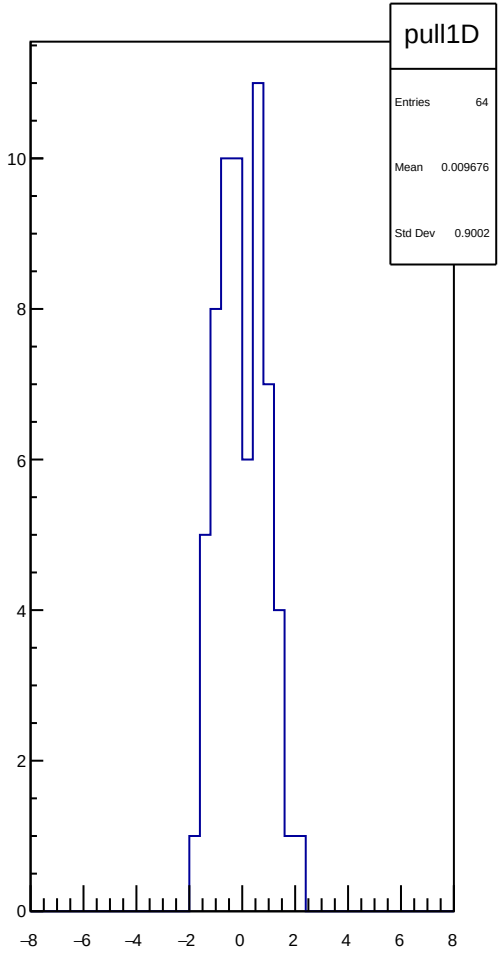

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.77 / 63
p0 179.2 ± 10.58
pull
Entries 64
Mean −236
Std Dev 0
pull1D
Entries 64
Mean 0.01757
Std Dev 0.4463

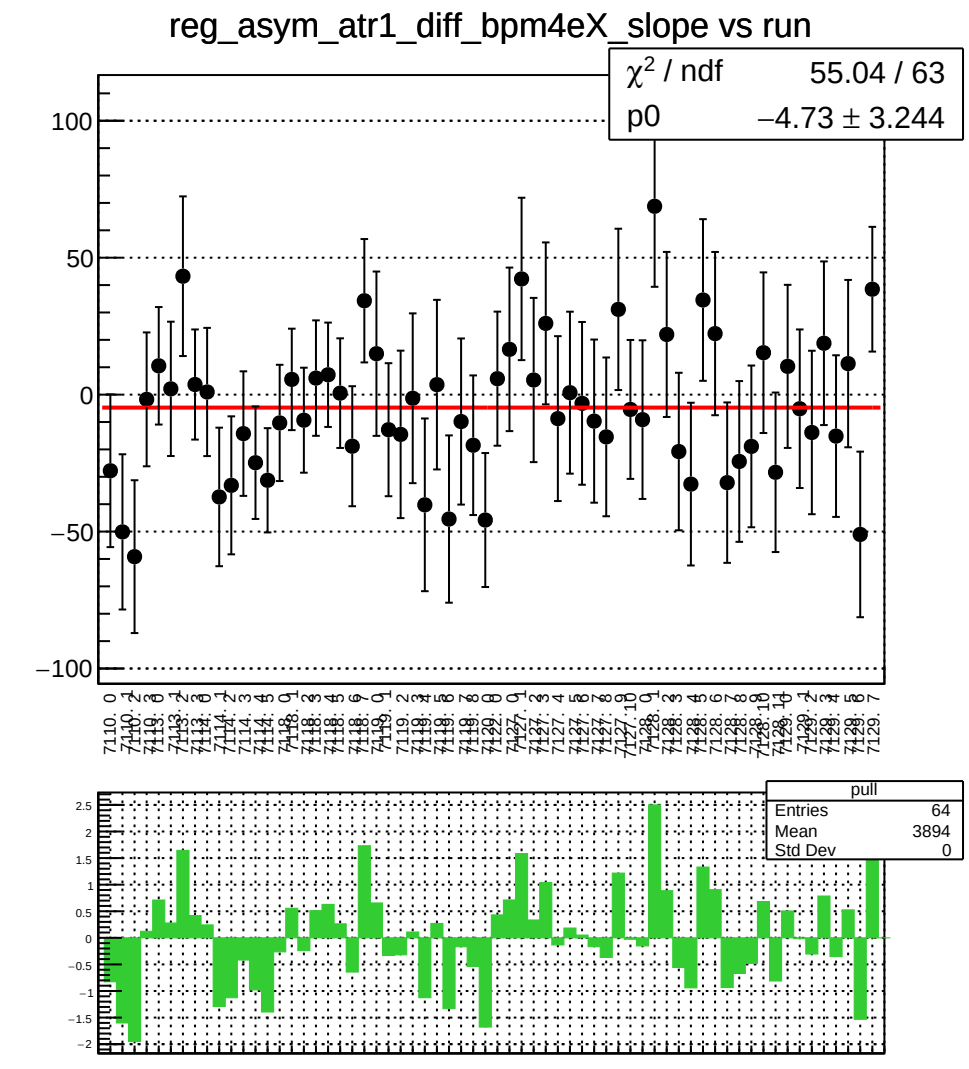

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.62 / 63
p0 −281.9 ± 0.4718
−270
−275
−280
−285
−290
pull
Entries 64
Mean −165.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 64
Mean −0.0306
Std Dev 0.5938
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

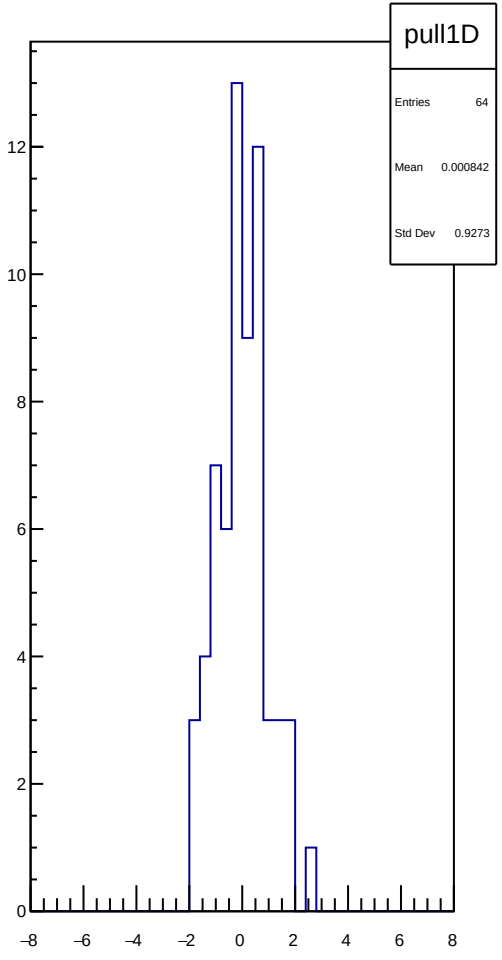

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 56.56 / 63
p0 −53.86 ± 3.266
pull
Entries 64
Mean 1402
Std Dev 0

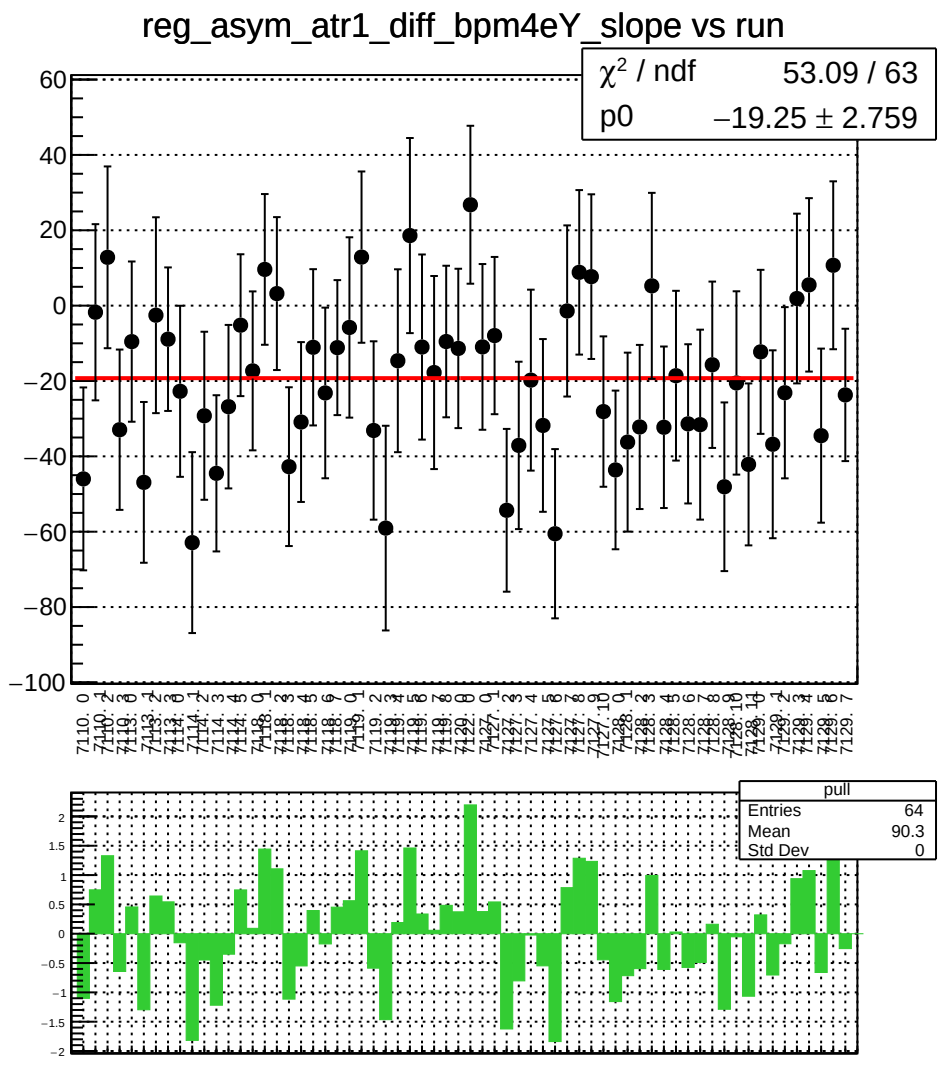

pull1D
Entries 64
Mean −0.002336
Std Dev 0.9401

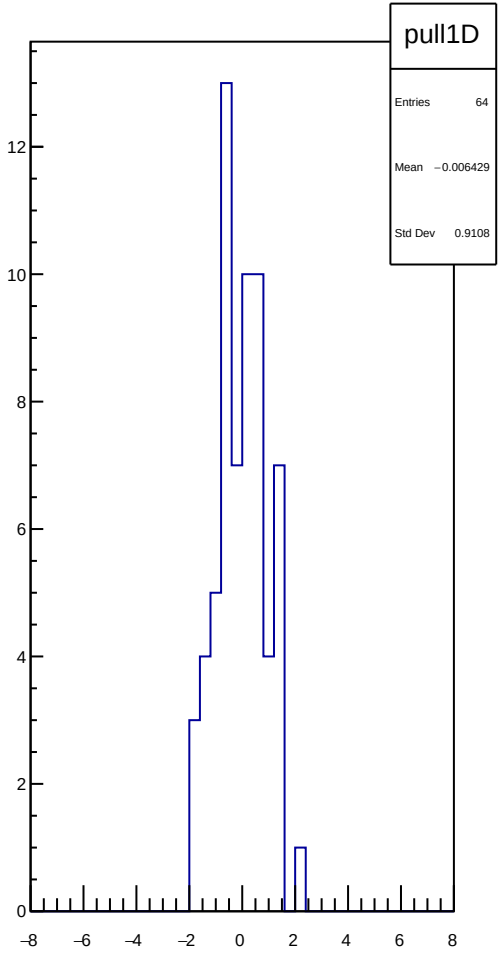

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 51.87 / 63
p0 11.63 ± 2.618
pull
Entries 64
Mean −104.2
Std Dev 0

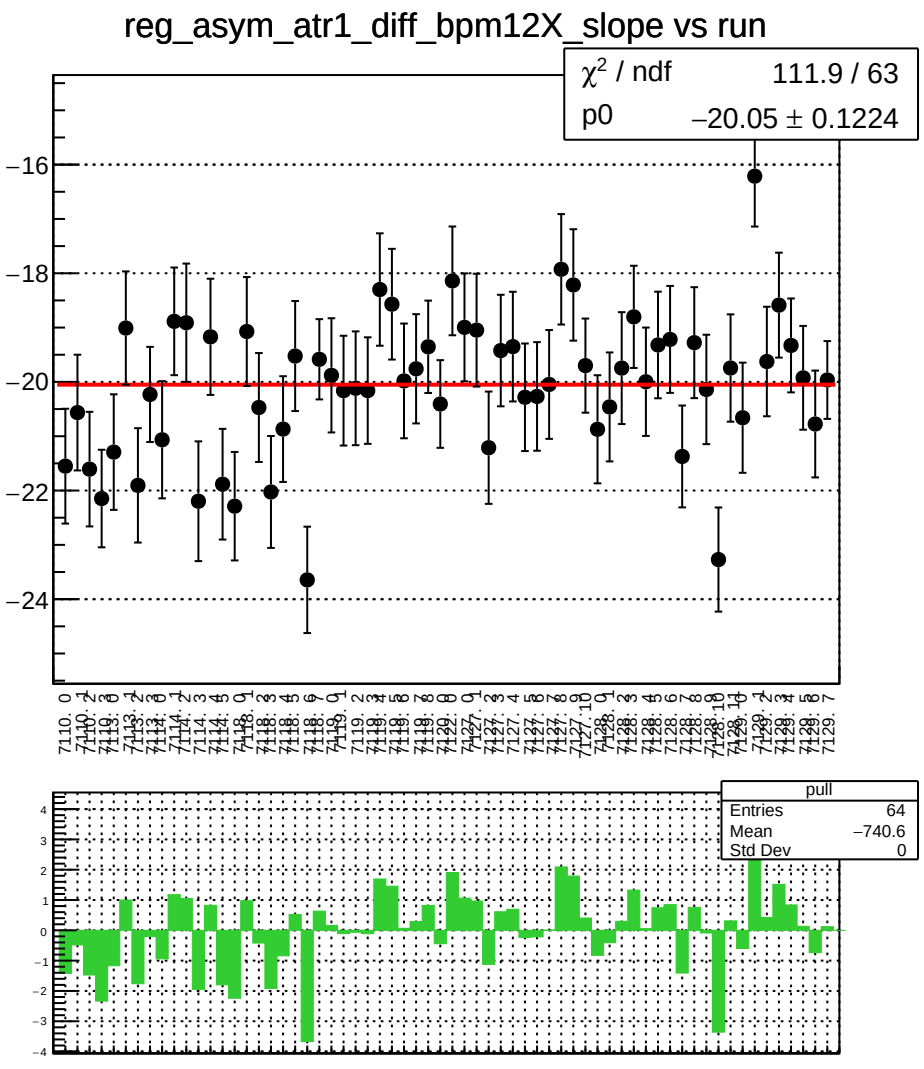

pull1D
Entries 64
Mean 0.009676
Std Dev 0.9002

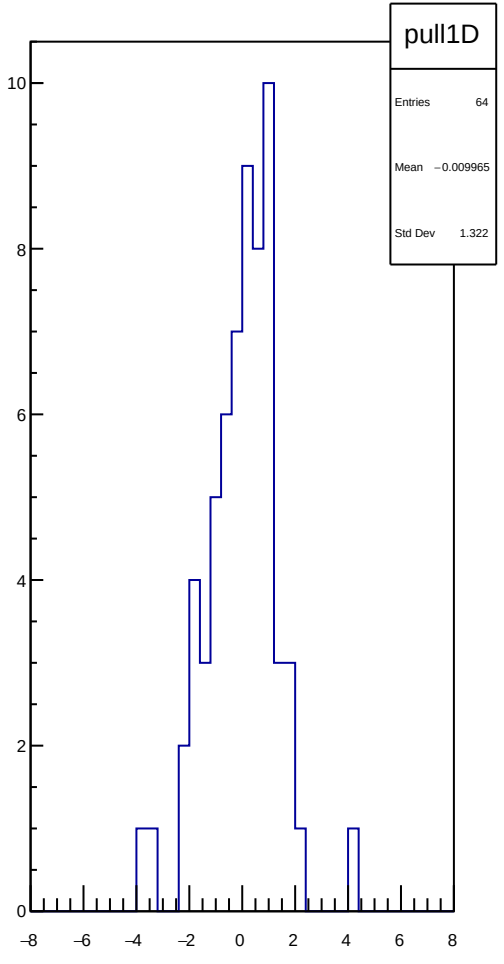

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 55.04 / 63
p0 −4.73 ± 3.244
pull
Entries 64
Mean 3894
Std Dev 0

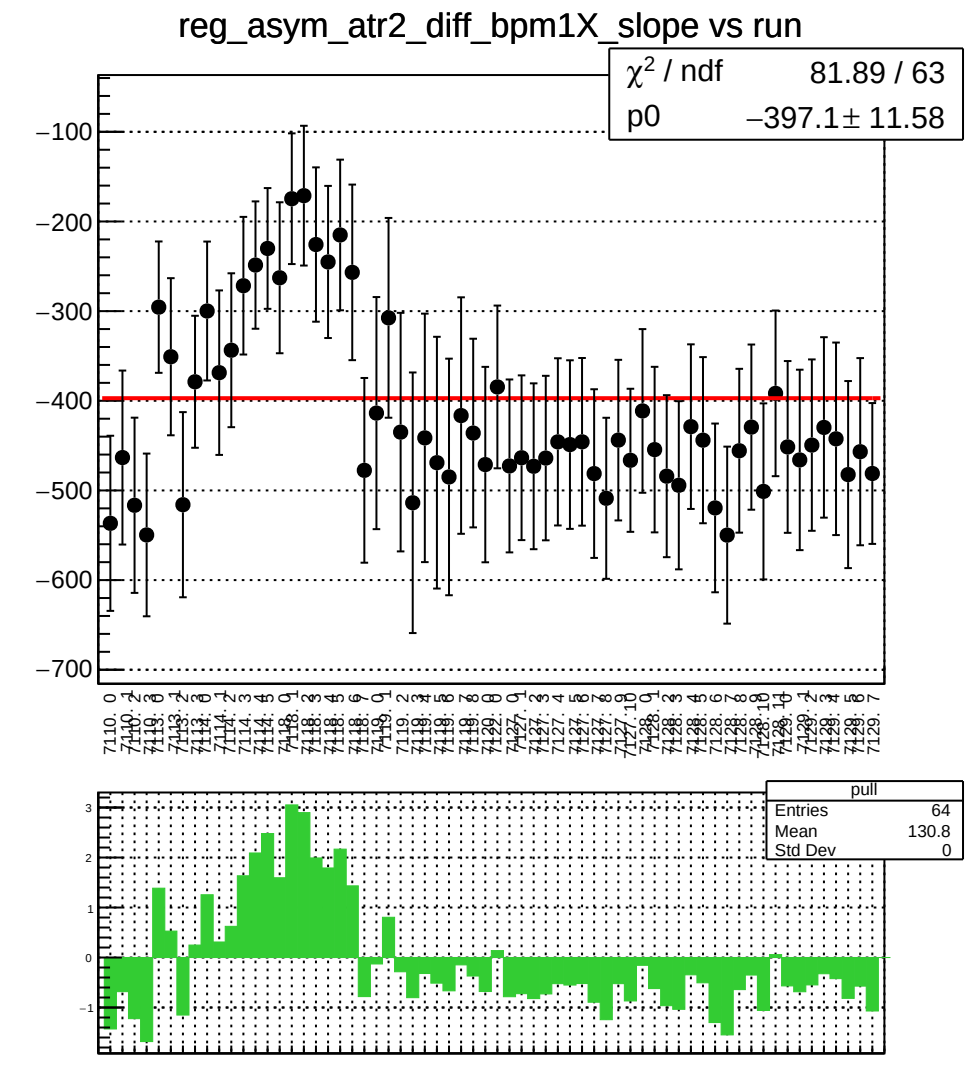

pull1D
Entries 64
Mean 0.000842
Std Dev 0.9273

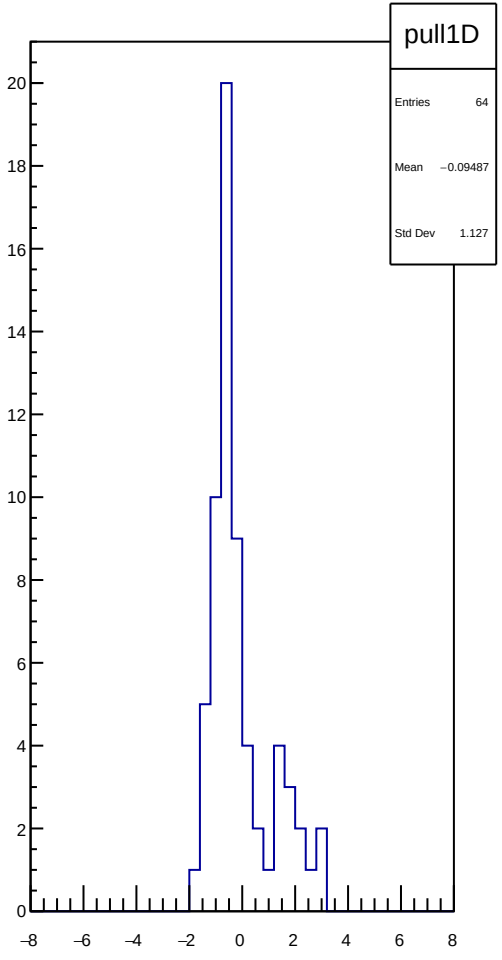

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 53.09 / 63
p0 −19.25 ± 2.759
pull
Entries 64
Mean 90.3
Std Dev 0

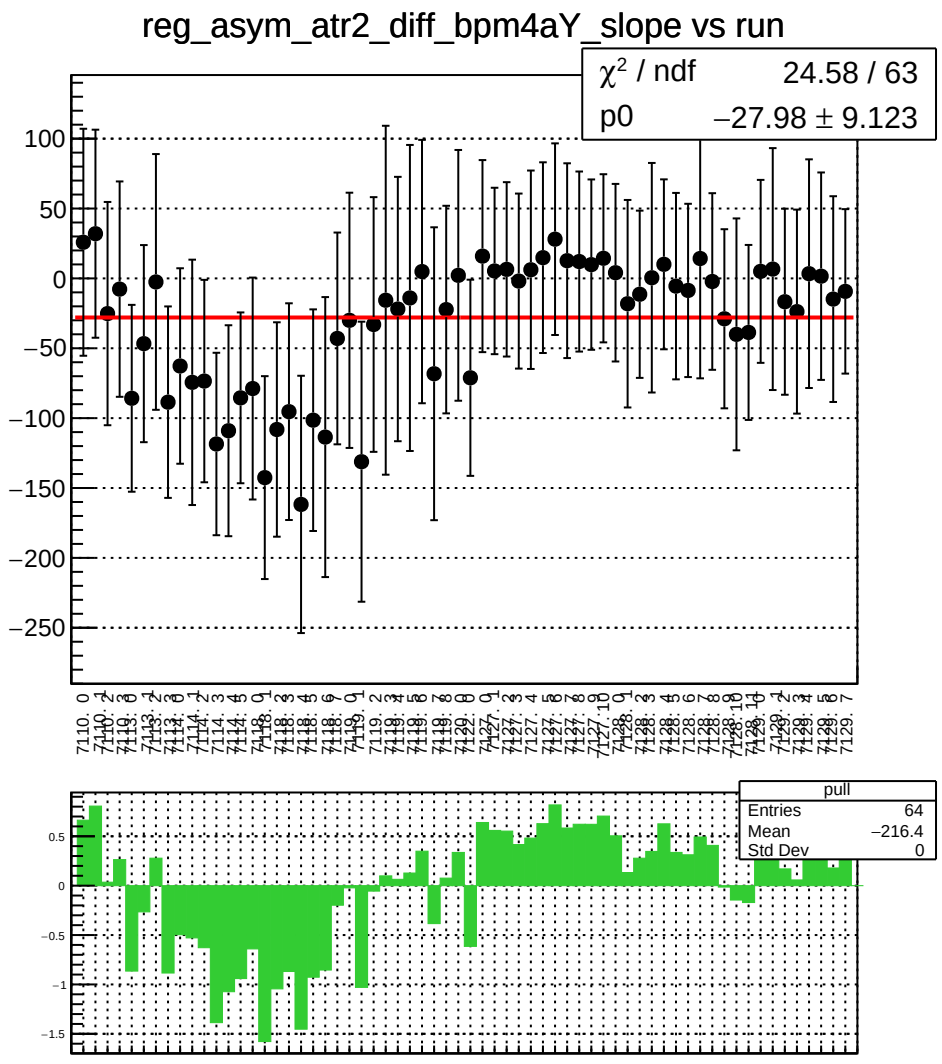

pull1D
Entries 64
Mean −0.006429
Std Dev 0.9108

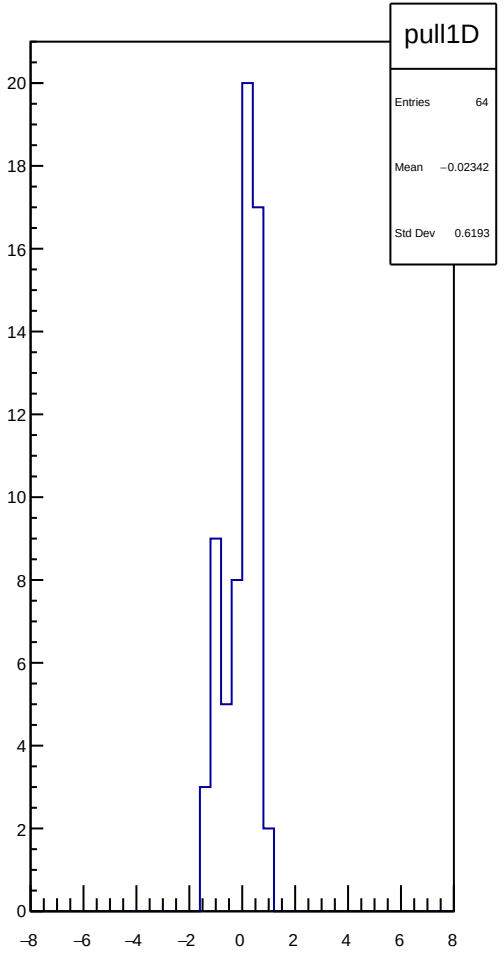

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 111.9 / 63
p0 −20.05 ± 0.1224
pull
Entries 64
Mean −740.6
Std Dev 0

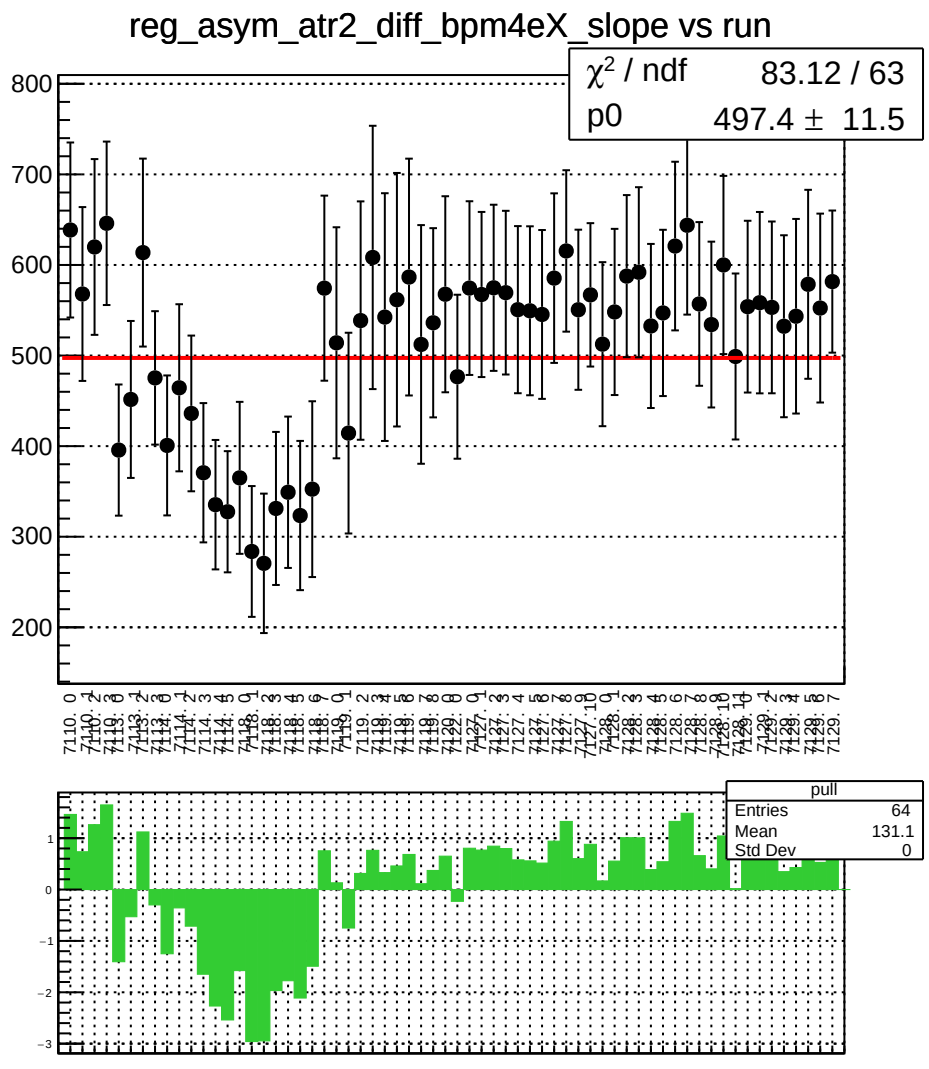

pull1D
Entries 64
Mean −0.009965
Std Dev 1.322

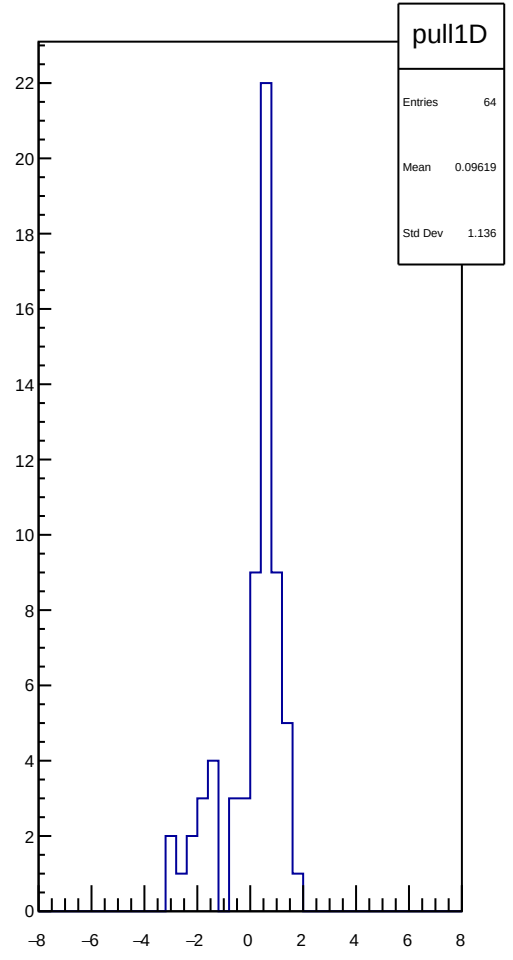

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 81.89 / 63
p0 −397.1± 11.58
pull
Entries 64
Mean 130.8
Std Dev 0

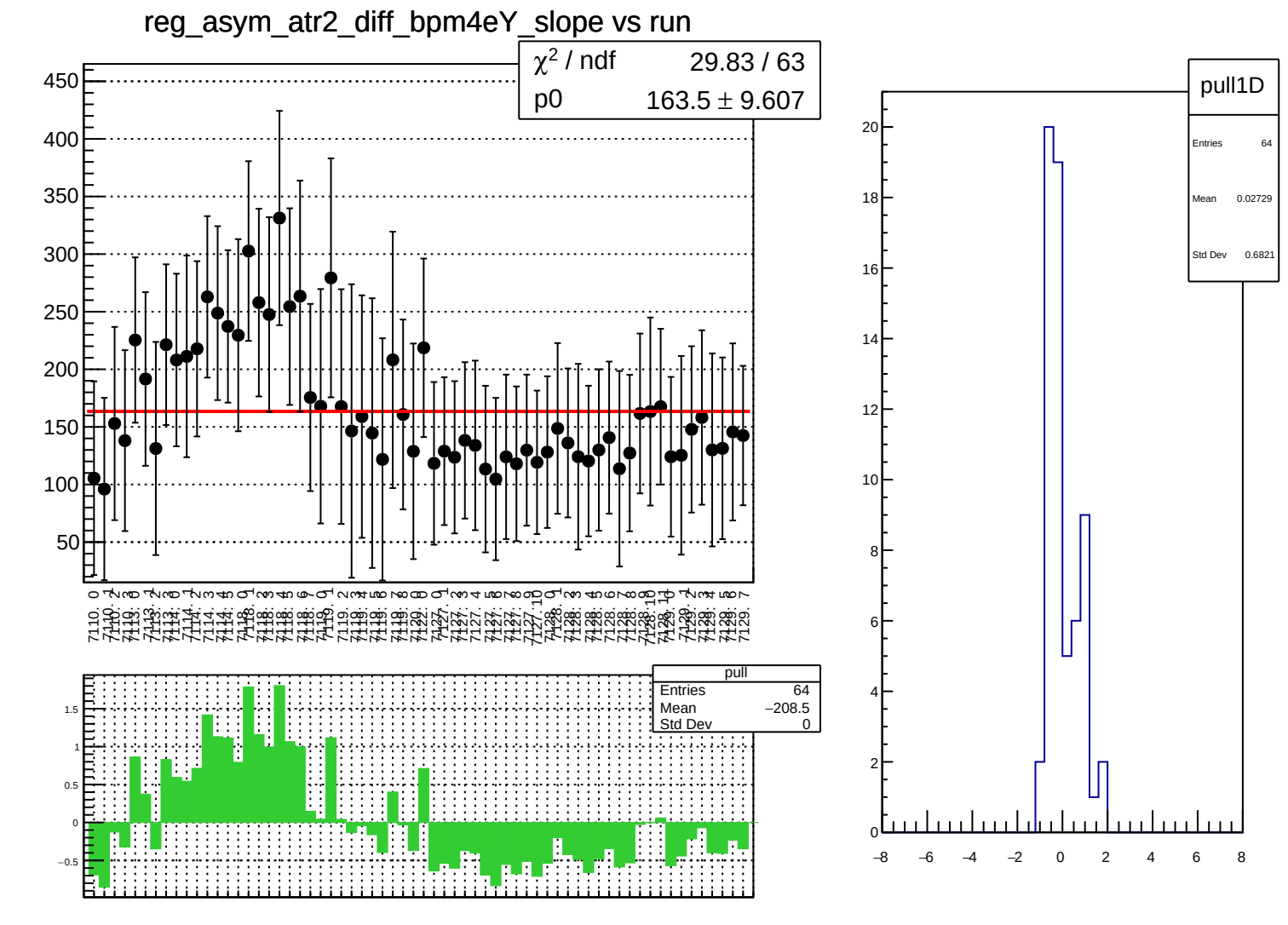

pull1D
Entries 64
Mean −0.09487
Std Dev 1.127

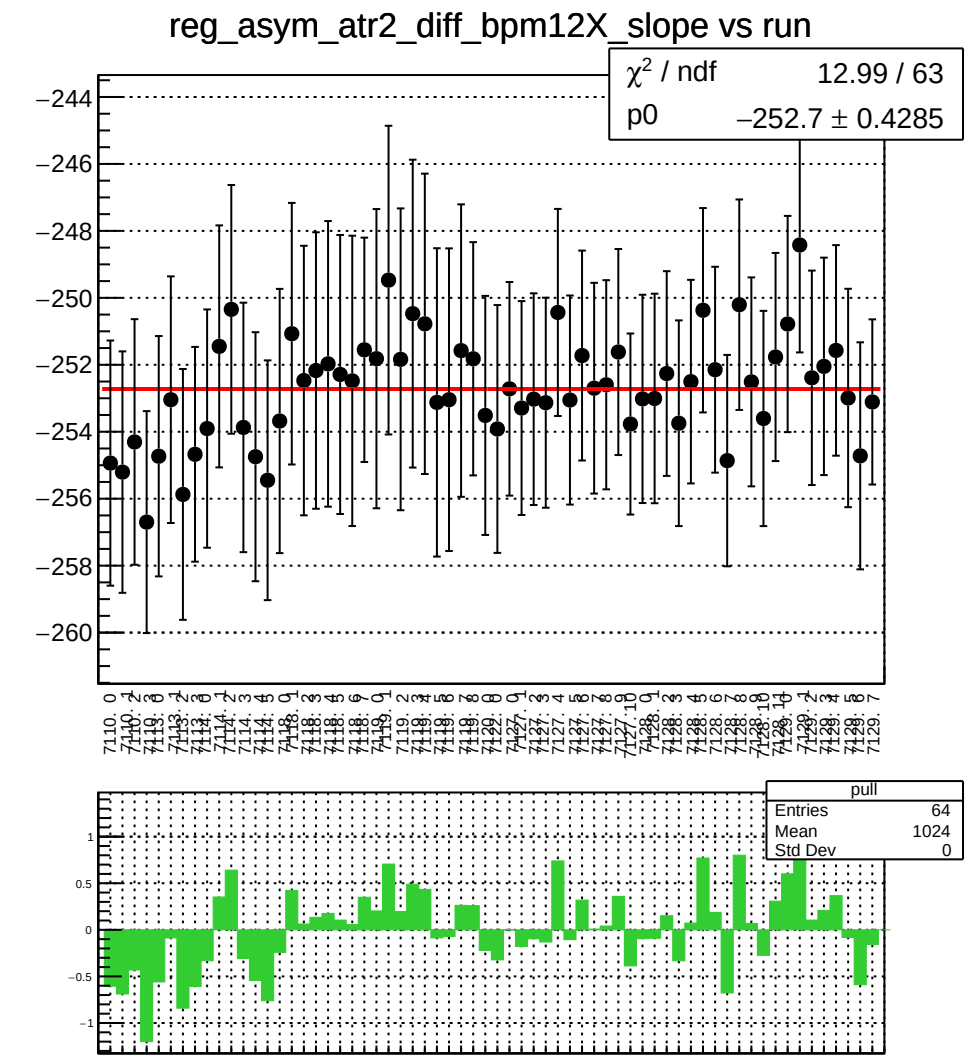

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 24.58 / 63
p0 −27.98 ± 9.123
pull
Entries 64
Mean −216.4
Std Dev 0

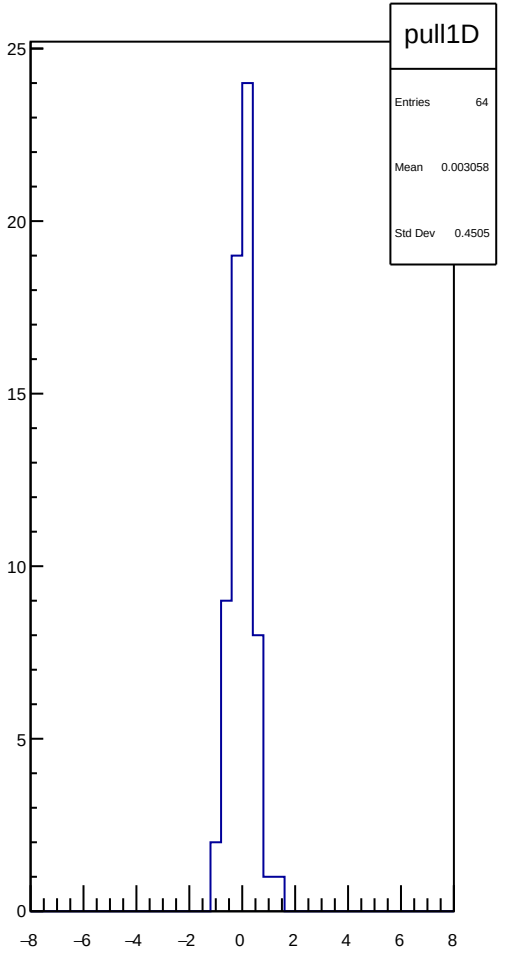

pull1D
Entries 64
Mean −0.02342
Std Dev 0.6193

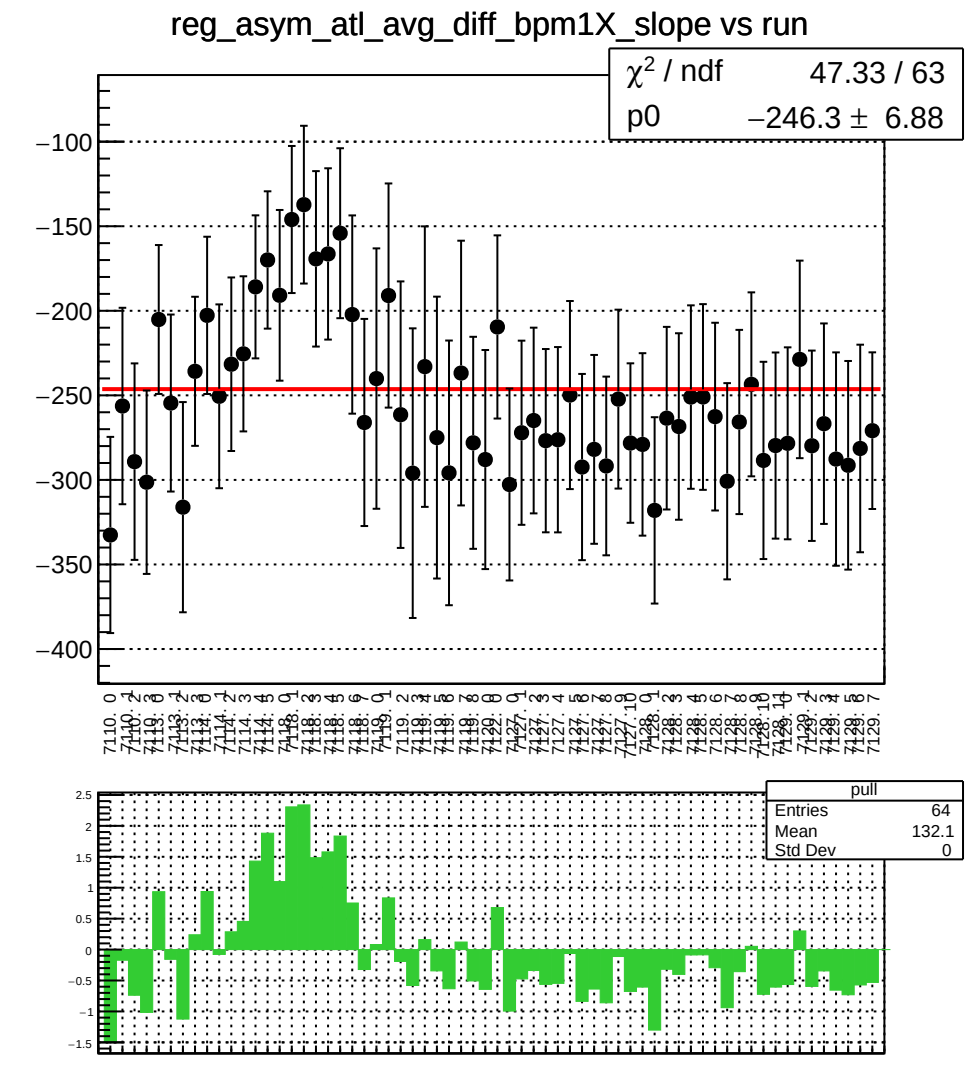

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 83.12 / 63
p0 497.4 ± 11.5
pull
Entries 64
Mean 131.1
Std Dev 0

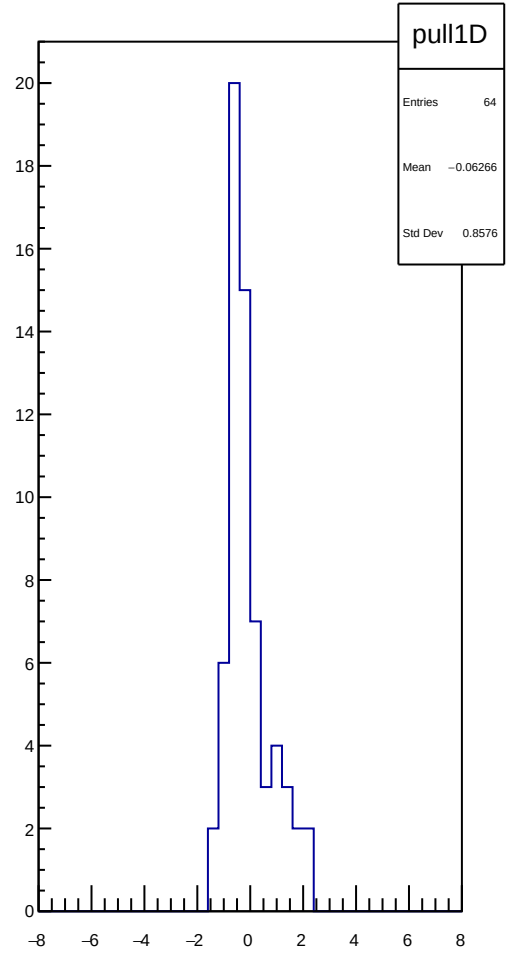

pull1D
Entries 64
Mean 0.09619
Std Dev 1.136

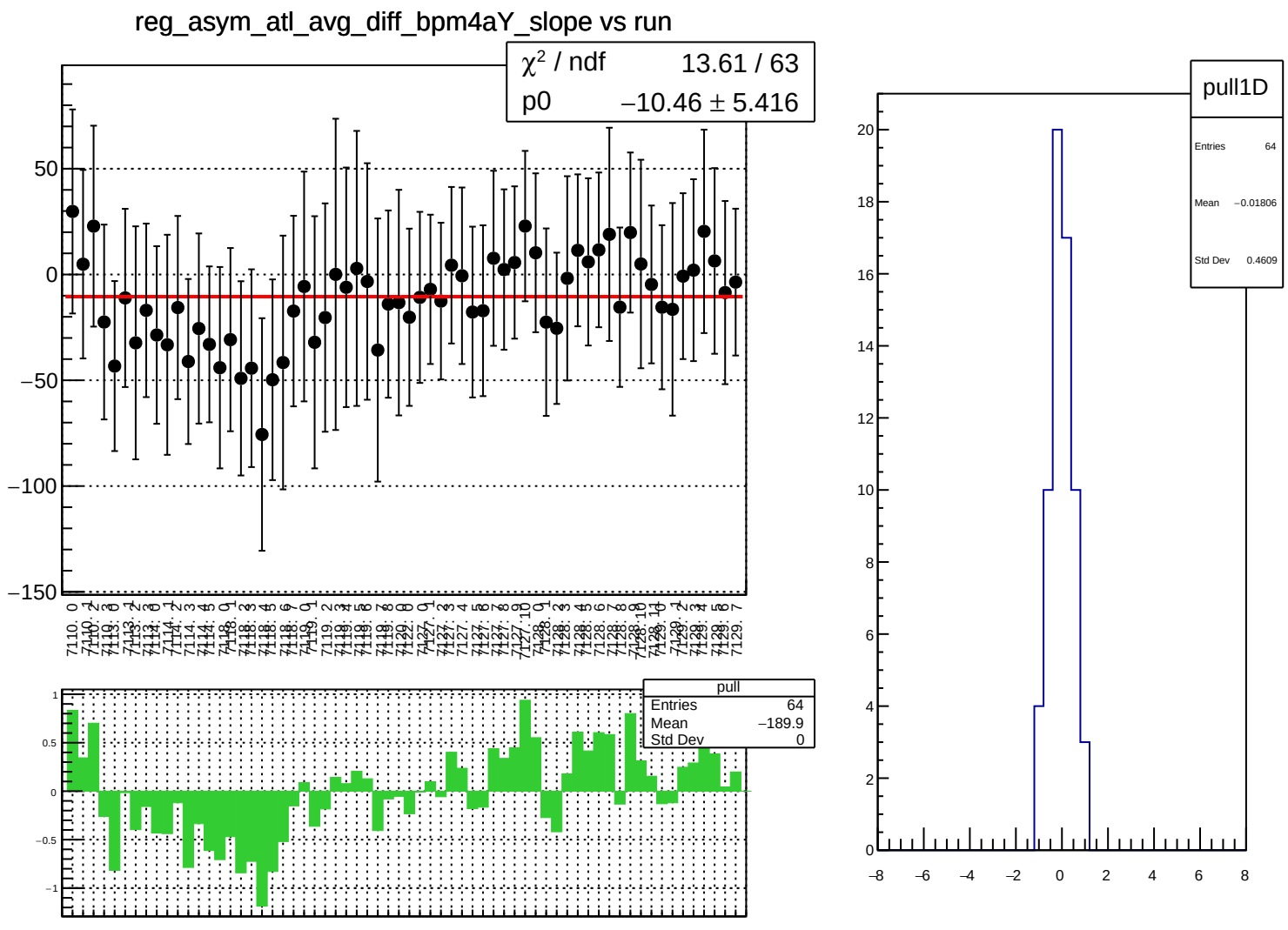

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 29.83 / 63
p0 163.5 ± 9.607
pull
Entries 64
Mean −208.5
Std Dev 0
pull1D
Entries 64
Mean 0.02729
Std Dev 0.6821

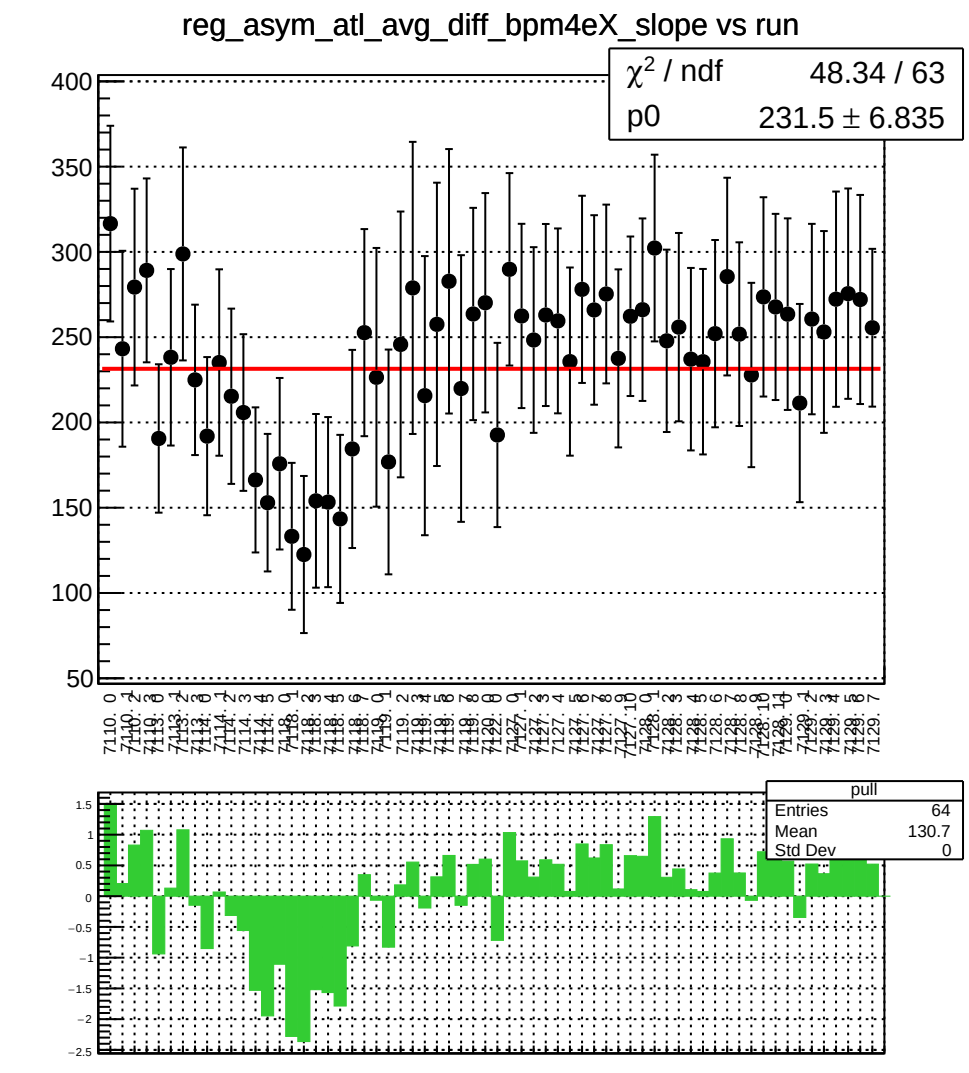

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 12.99 / 63
p0 −252.7 ± 0.4285
pull
Entries 64
Mean 1024
Std Dev 0

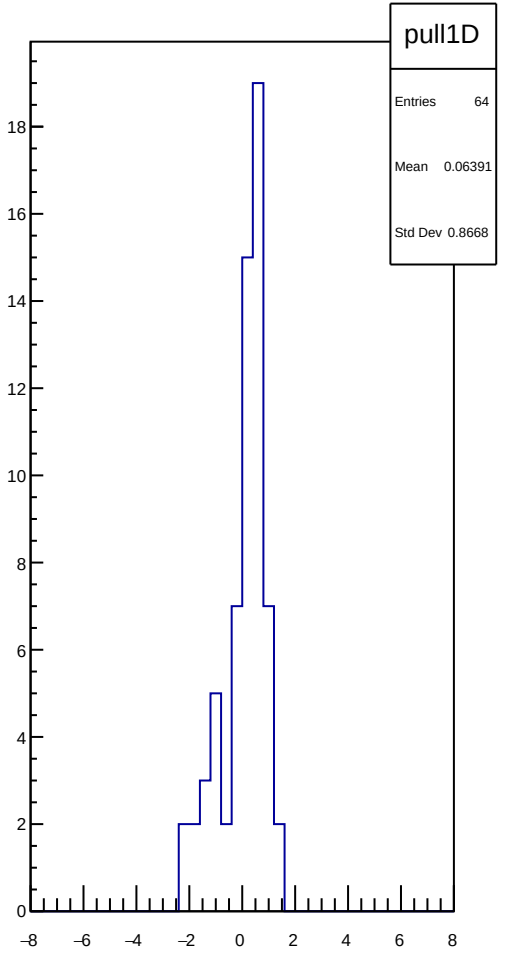

pull1D
Entries 64
Mean 0.003058
Std Dev 0.4505

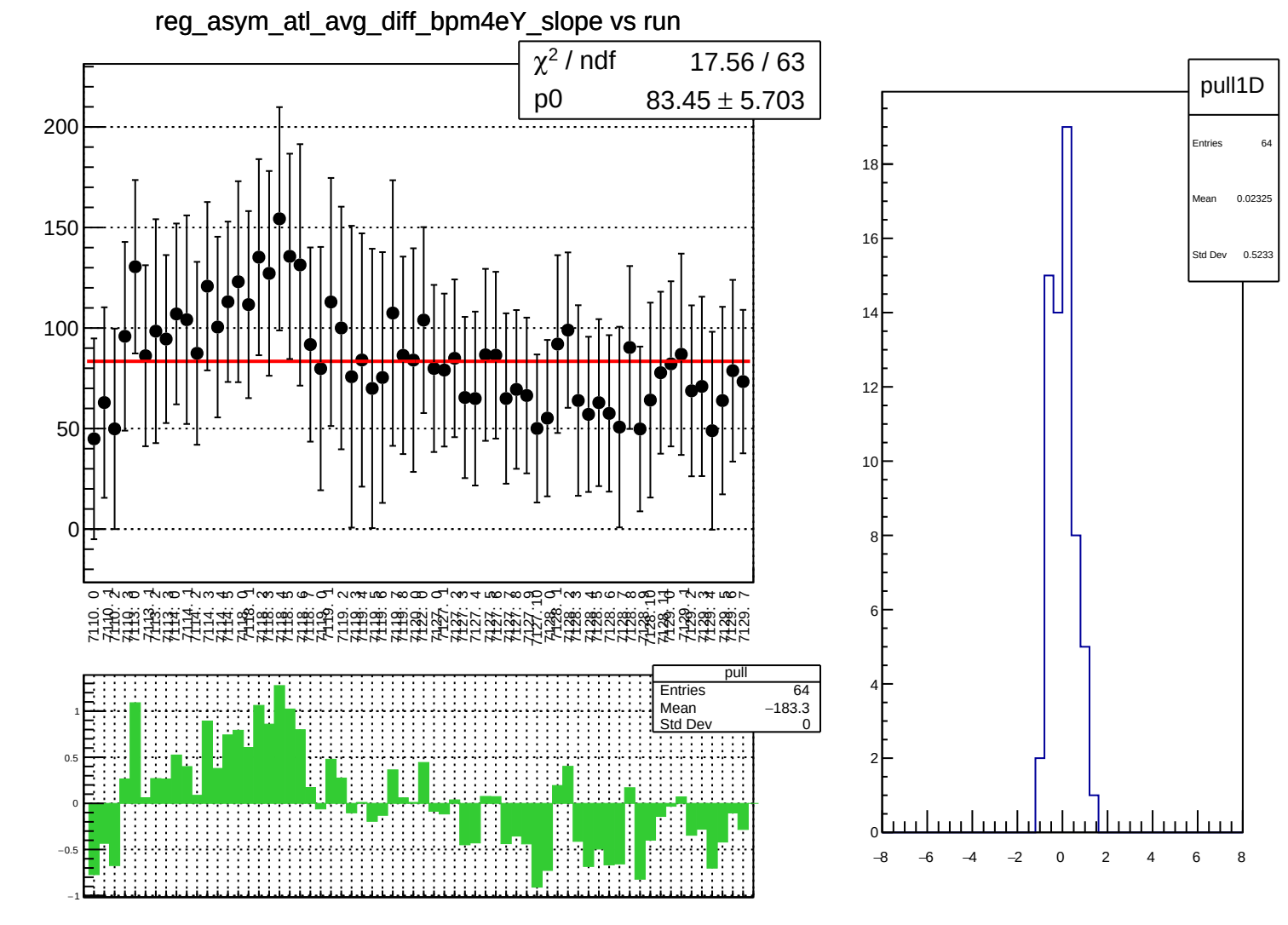

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 47.33 / 63
p0 −246.3 ± 6.88
pull
Entries 64
Mean 132.1
Std Dev 0

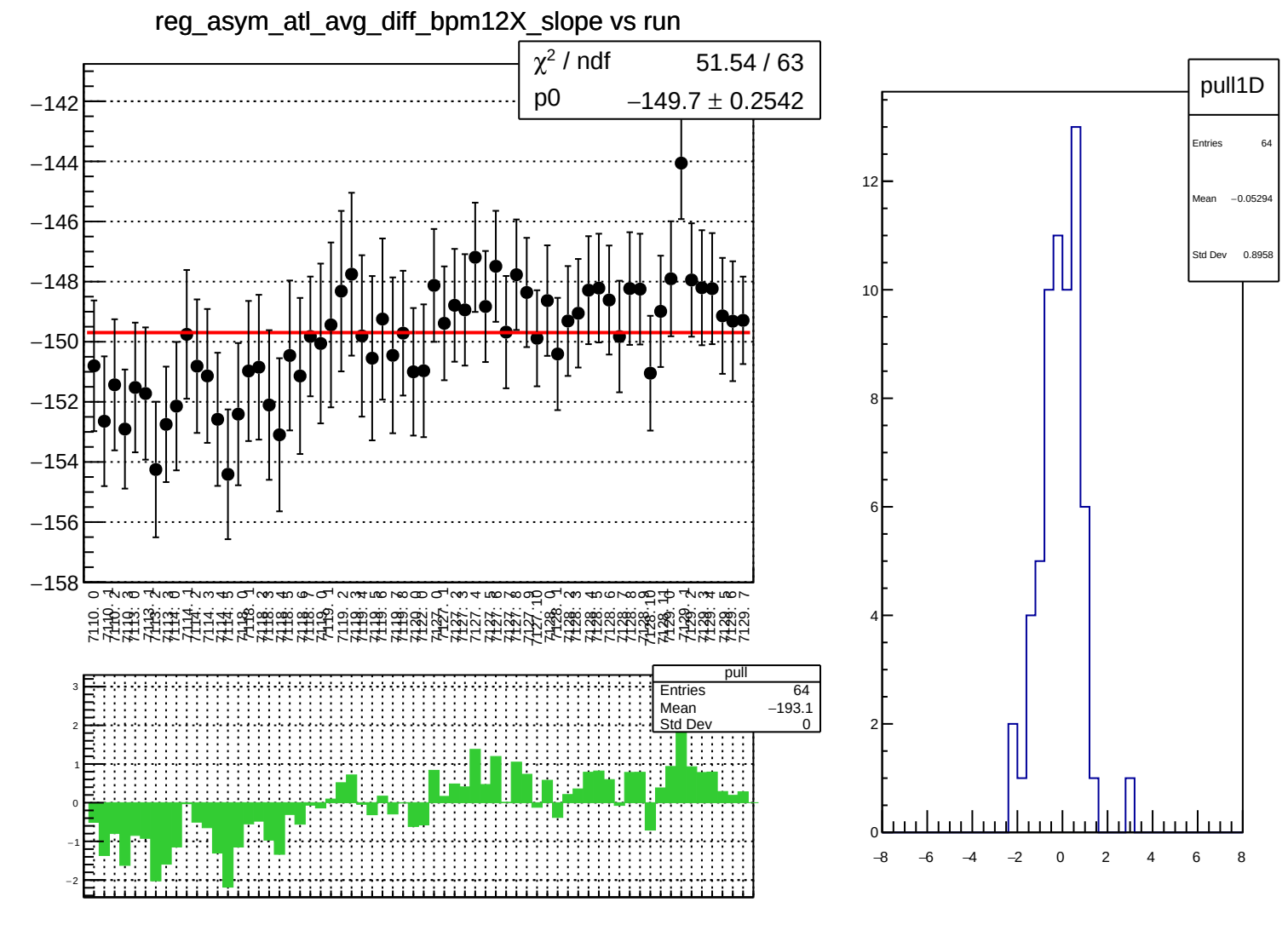

pull1D
Entries 64
Mean −0.06266
Std Dev 0.8576

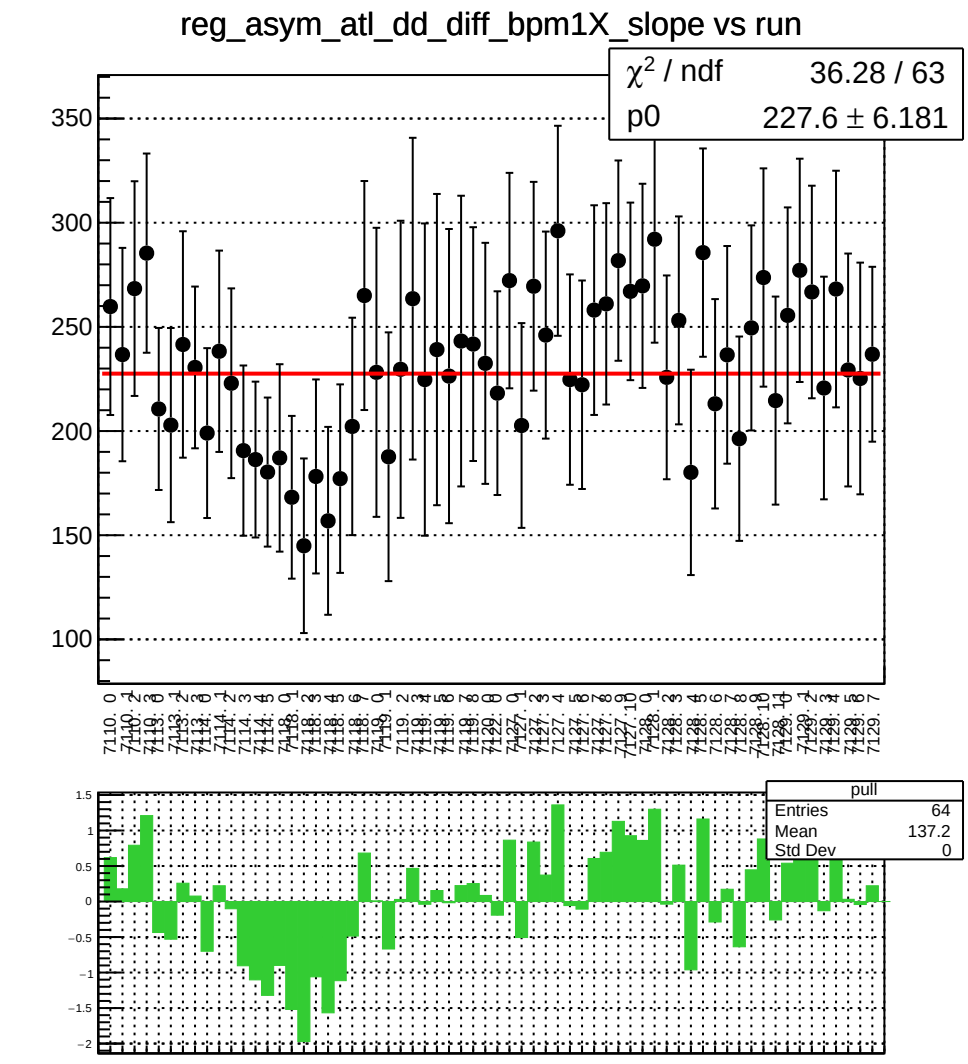

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.61 / 63
p0 −10.46 ± 5.416
pull
Entries 64
Mean −189.9
Std Dev 0
pull1D
Entries 64
Mean −0.01806
Std Dev 0.4609

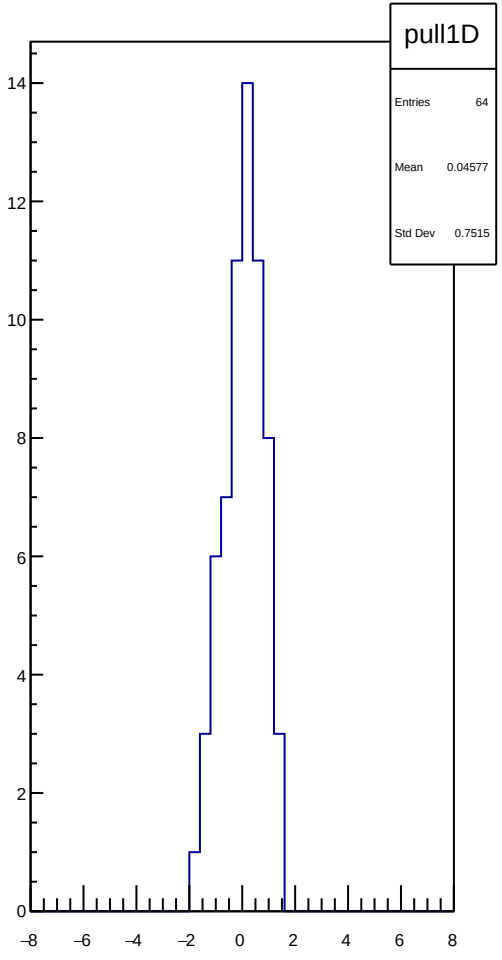

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.34 / 63
p0 231.5 ± 6.835
pull
Entries 64
Mean 130.7
Std Dev 0

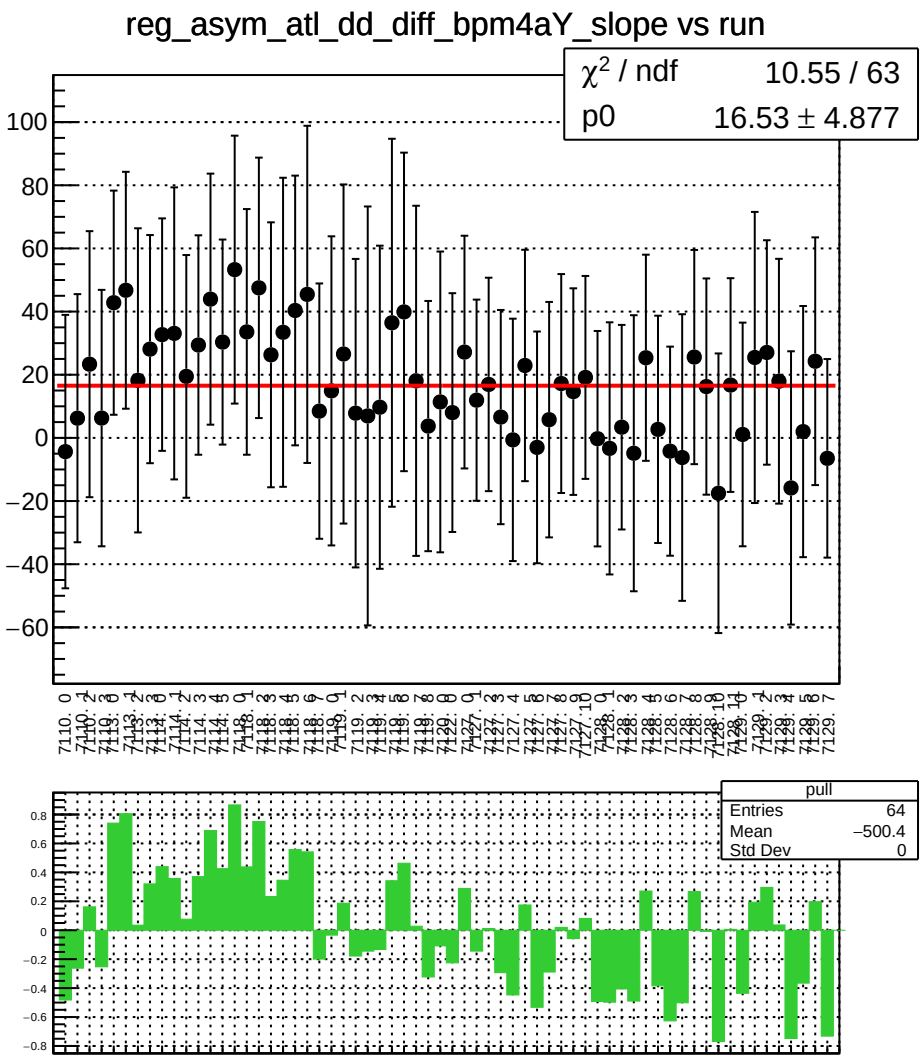

pull1D
Entries 64
Mean 0.06391
Std Dev 0.8668

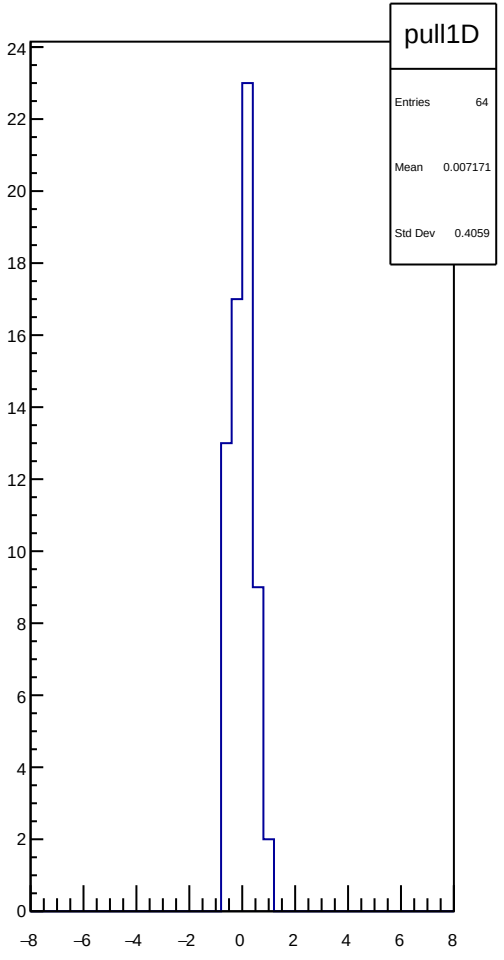

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.56 / 63
p0 83.45 ± 5.703
pull
Entries 64
Mean −183.3
Std Dev 0
pull1D
Entries 64
Mean 0.02325
Std Dev 0.5233

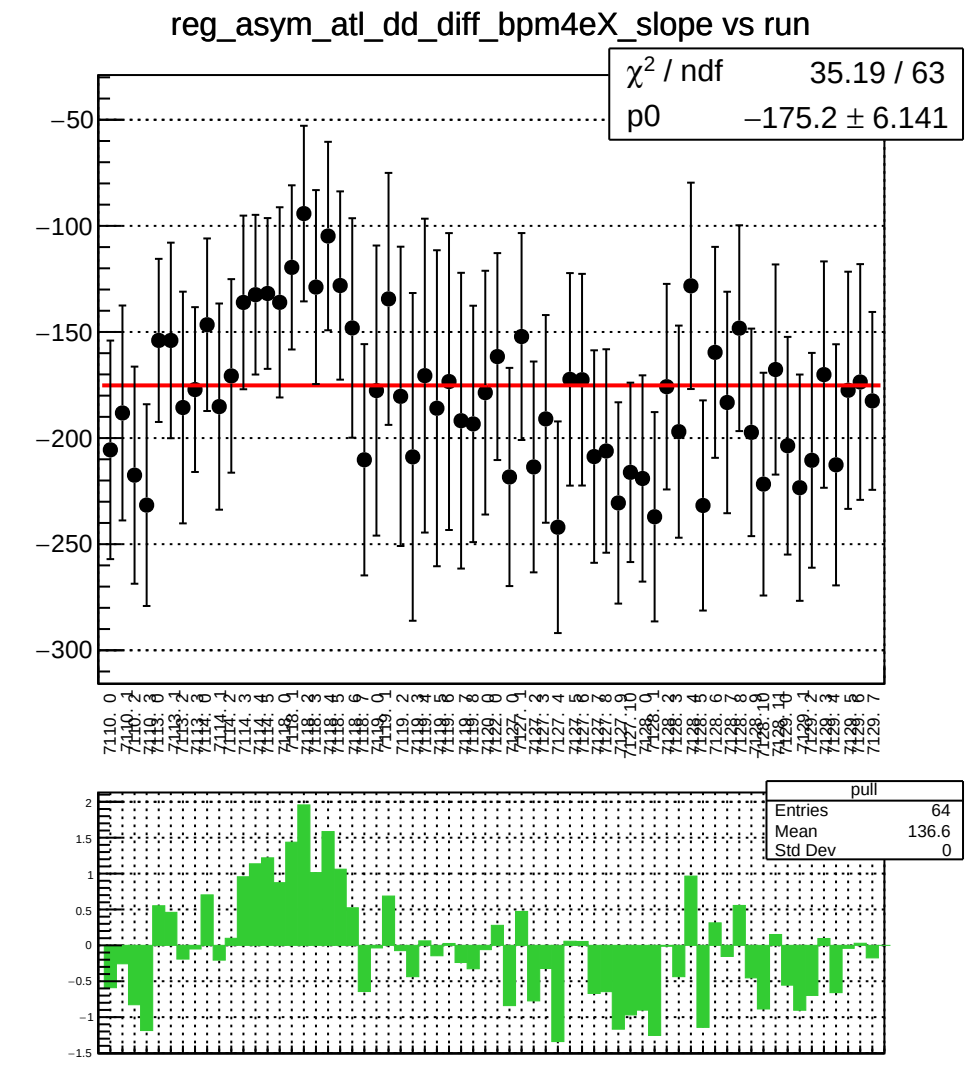

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 51.54 / 63
p0 −149.7 ± 0.2542
pull
Entries 64
Mean −193.1
Std Dev 0
pull1D
Entries 64
Mean −0.05294
Std Dev 0.8958

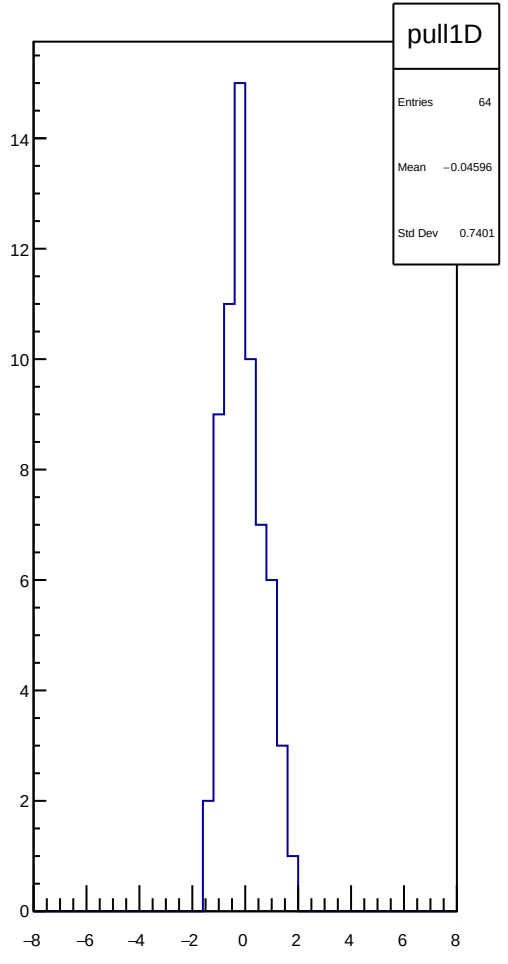

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 36.28 / 63
p0 227.6 ± 6.181
pull
Entries 64
Mean 137.2
Std Dev 0

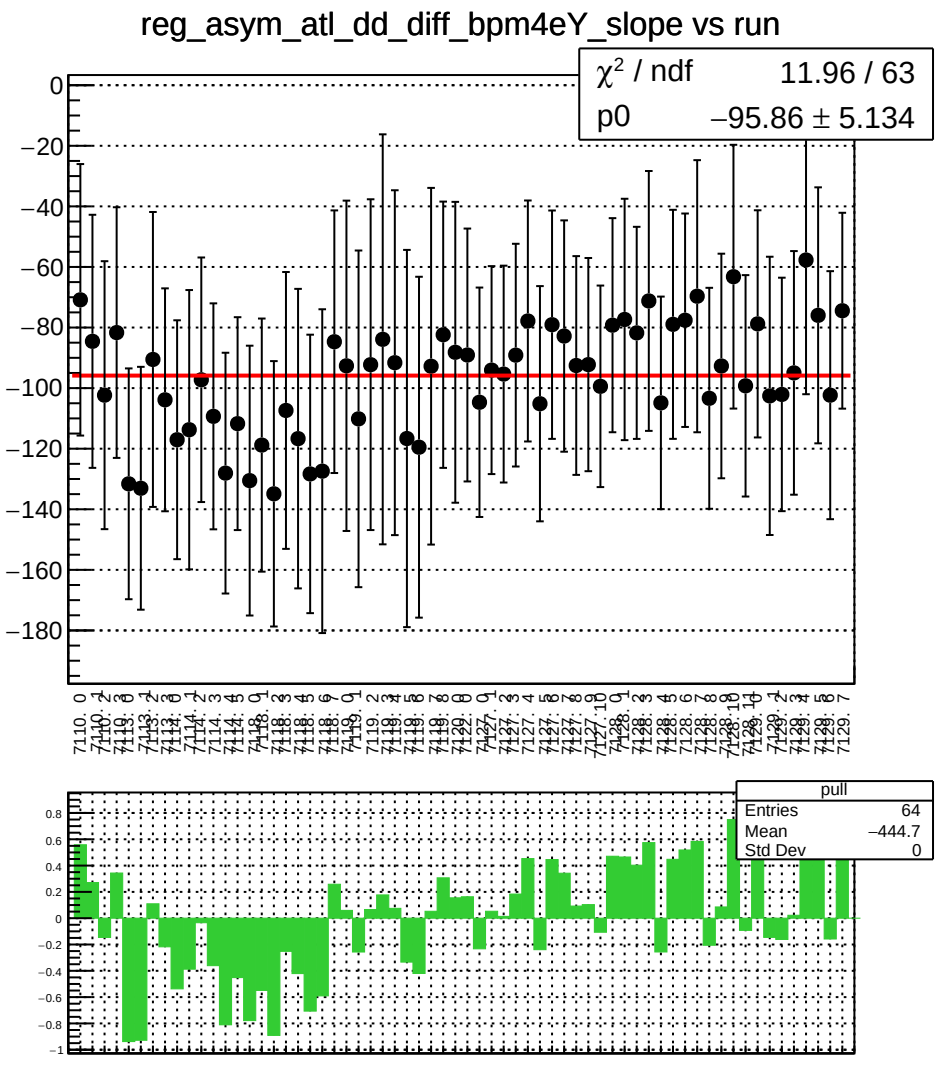

pull1D
Entries 64
Mean 0.04577
Std Dev 0.7515

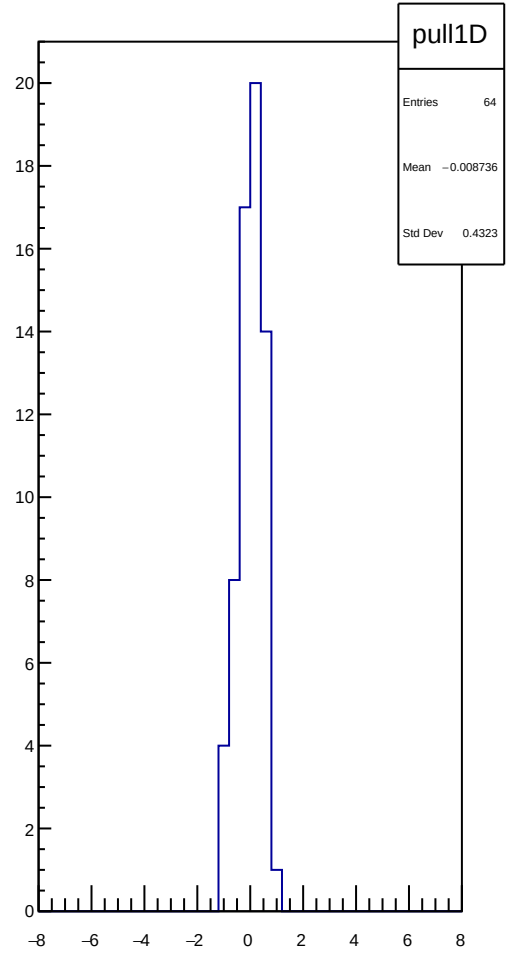

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.55 / 63
p0 16.53 ± 4.877
pull
Entries 64
Mean −500.4
Std Dev 0

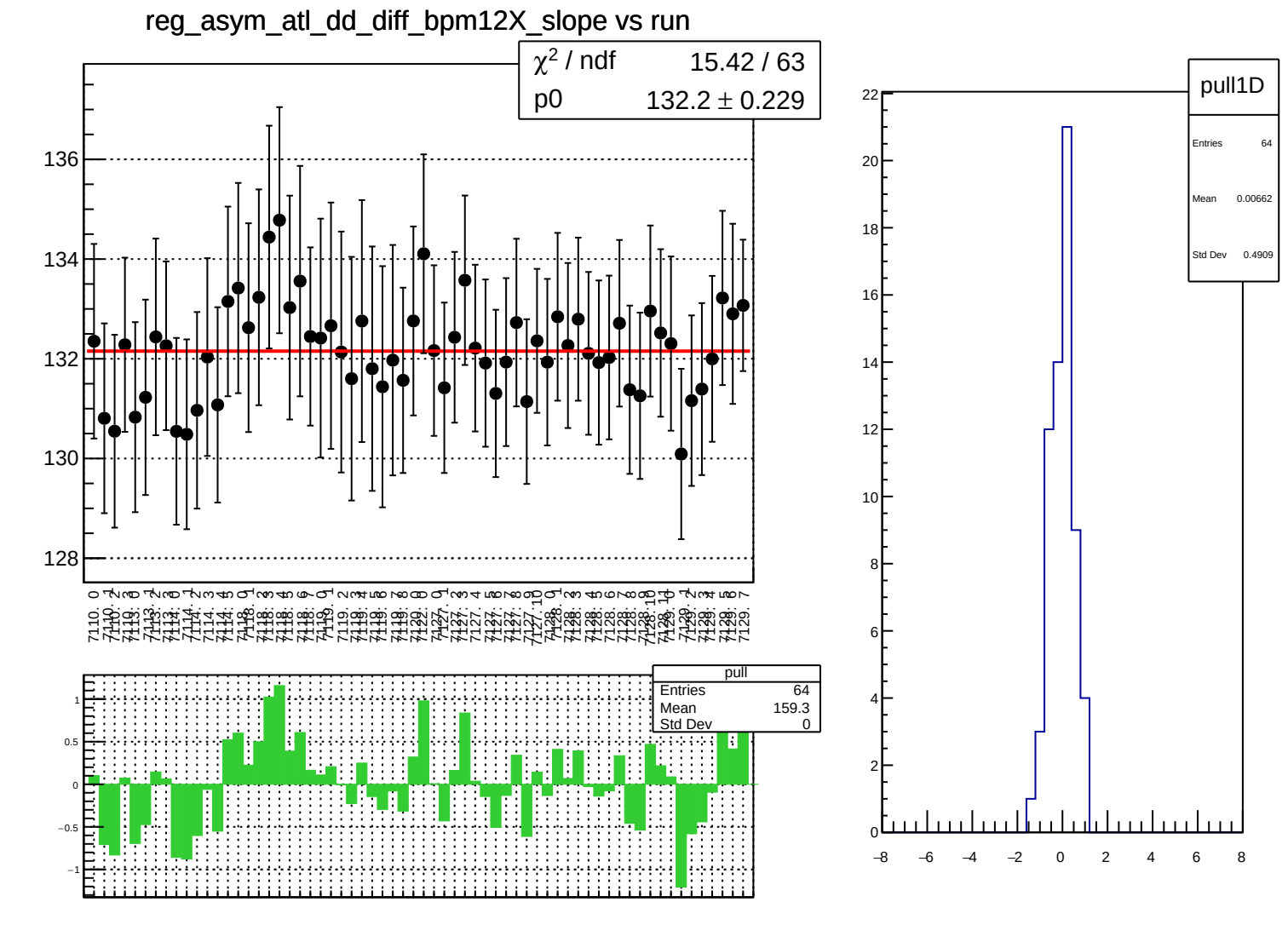

pull1D
Entries 64
Mean 0.007171
Std Dev 0.4059

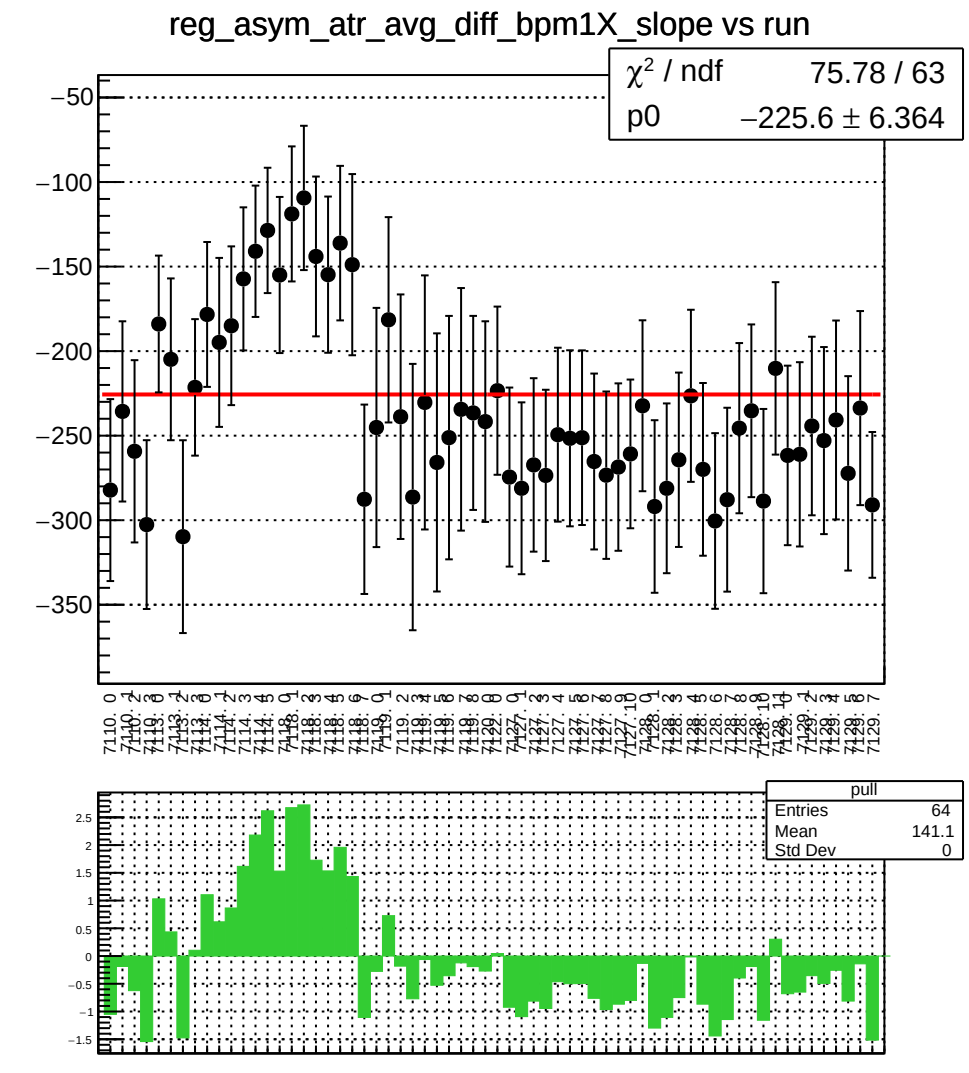

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.19 / 63
p0 −175.2 ± 6.141
pull
Entries 64
Mean 136.6
Std Dev 0

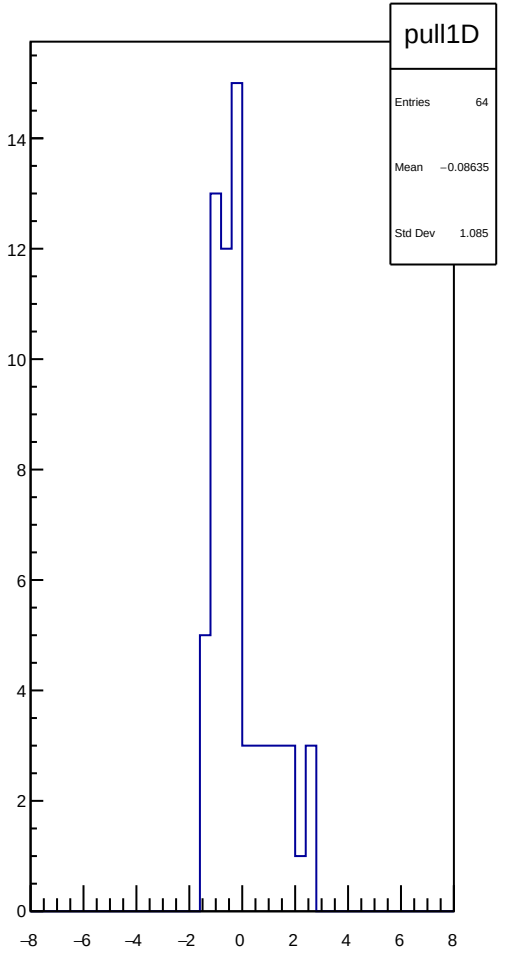

pull1D
Entries 64
Mean −0.04596
Std Dev 0.7401

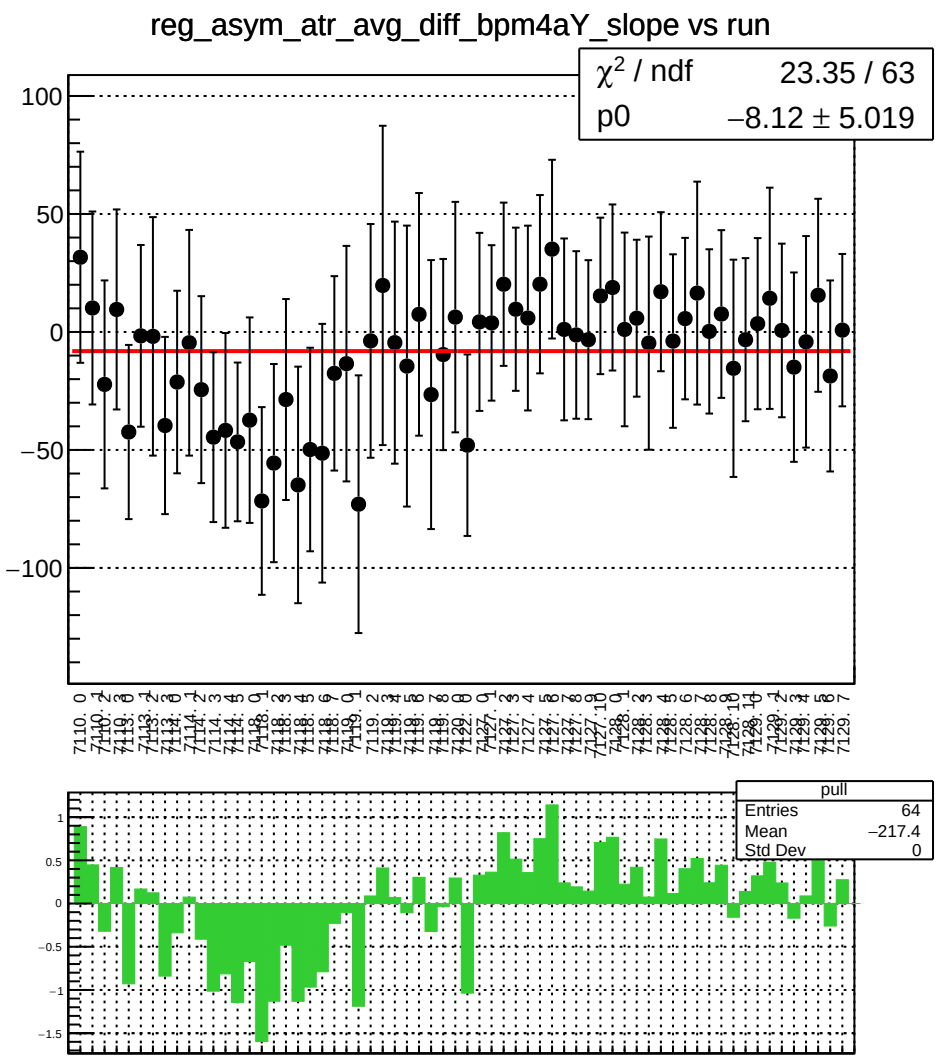

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.96 / 63
p0 −95.86 ± 5.134
pull
Entries 64
Mean −444.7
Std Dev 0

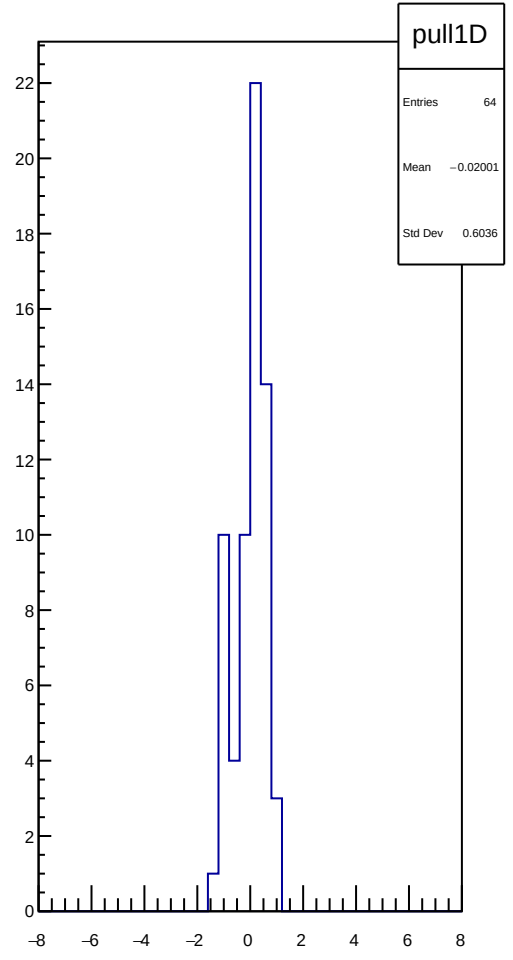

pull1D
Entries 64
Mean −0.008736
Std Dev 0.4323

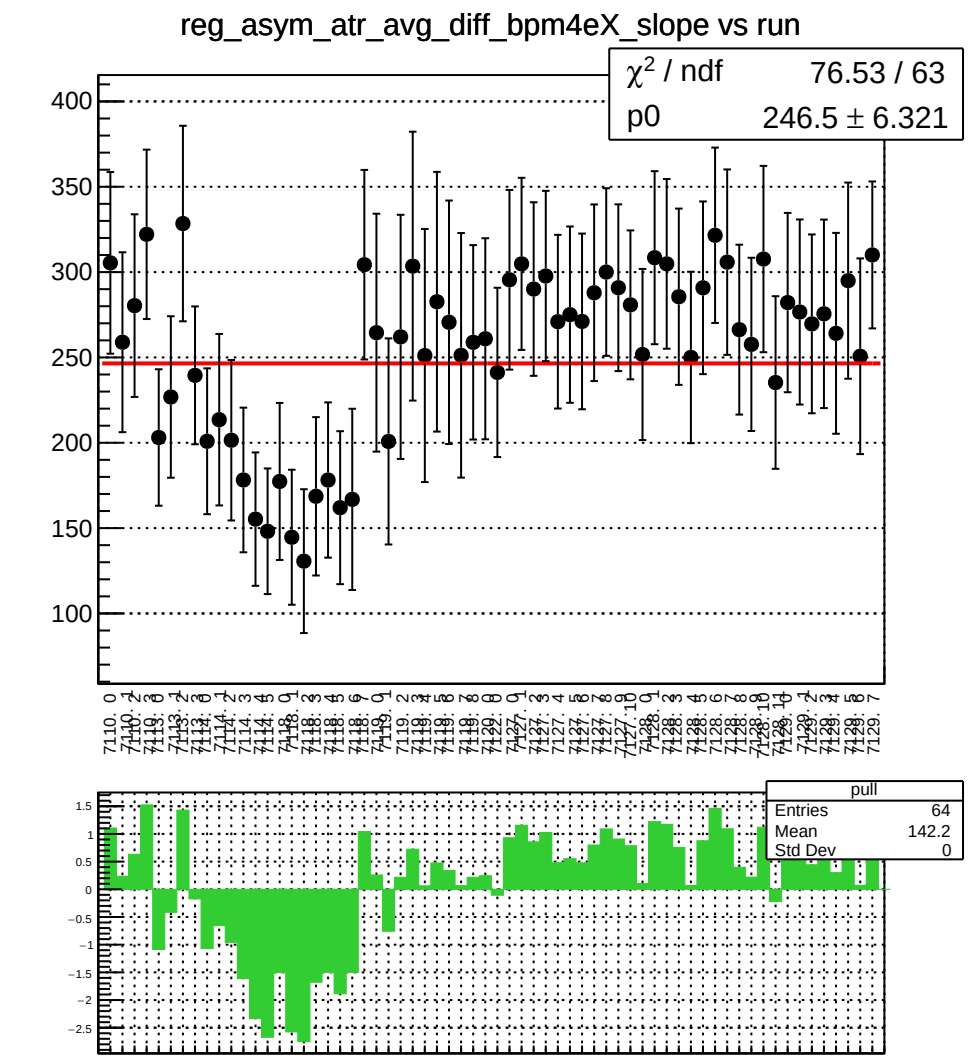

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 15.42 / 63
p0 132.2 ± 0.229
pull
Entries 64
Mean 159.3
Std Dev 0
pull1D
Entries 64
Mean 0.00662
Std Dev 0.4909

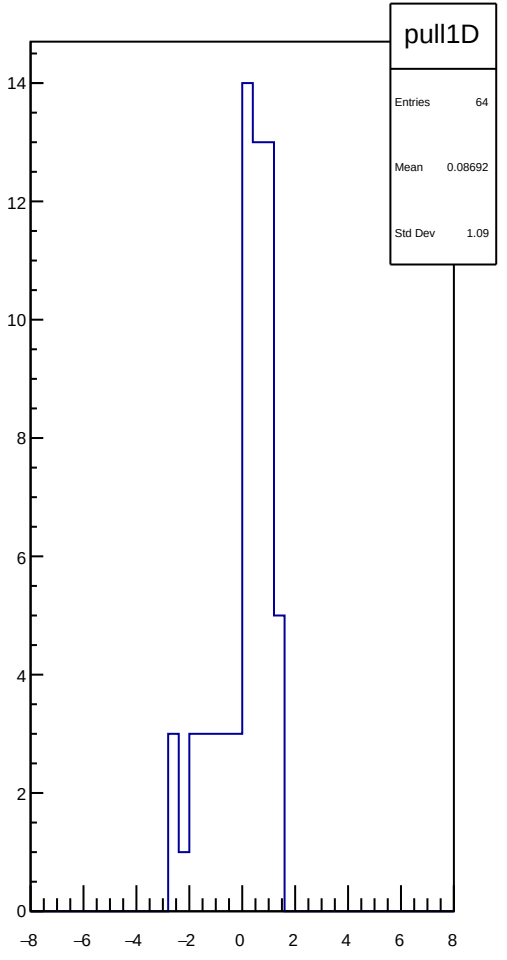

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 75.78 / 63
p0 −225.6 ± 6.364
pull
Entries 64
Mean 141.1
Std Dev 0

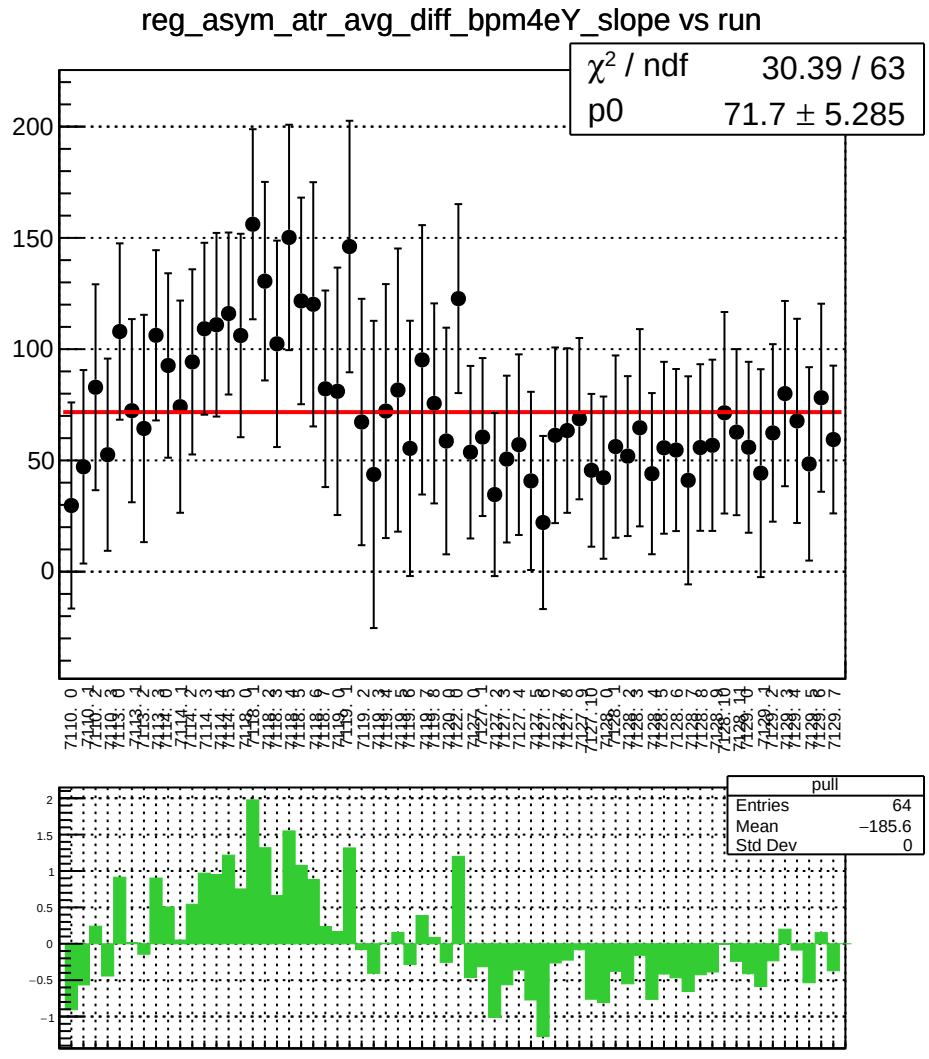

pull1D
Entries 64
Mean −0.08635
Std Dev 1.085

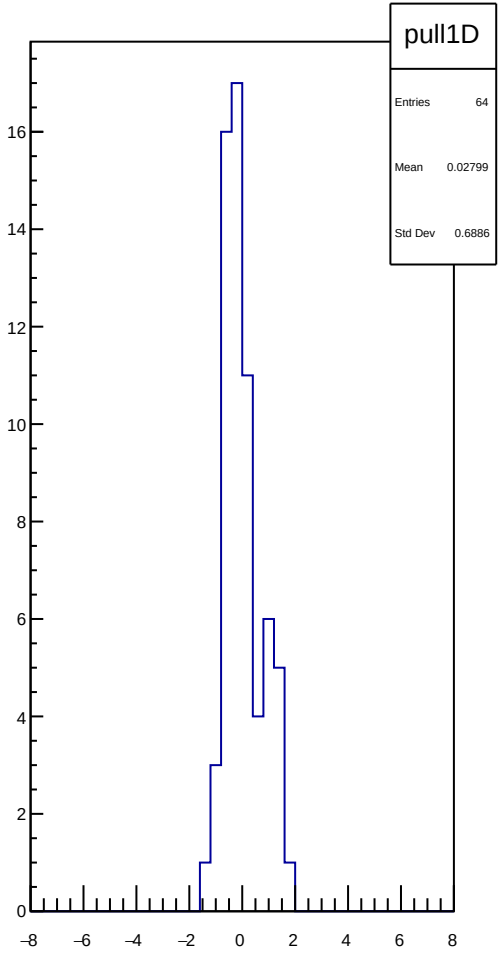

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.35 / 63
p0 −8.12 ± 5.019
pull
Entries 64
Mean −217.4
Std Dev 0

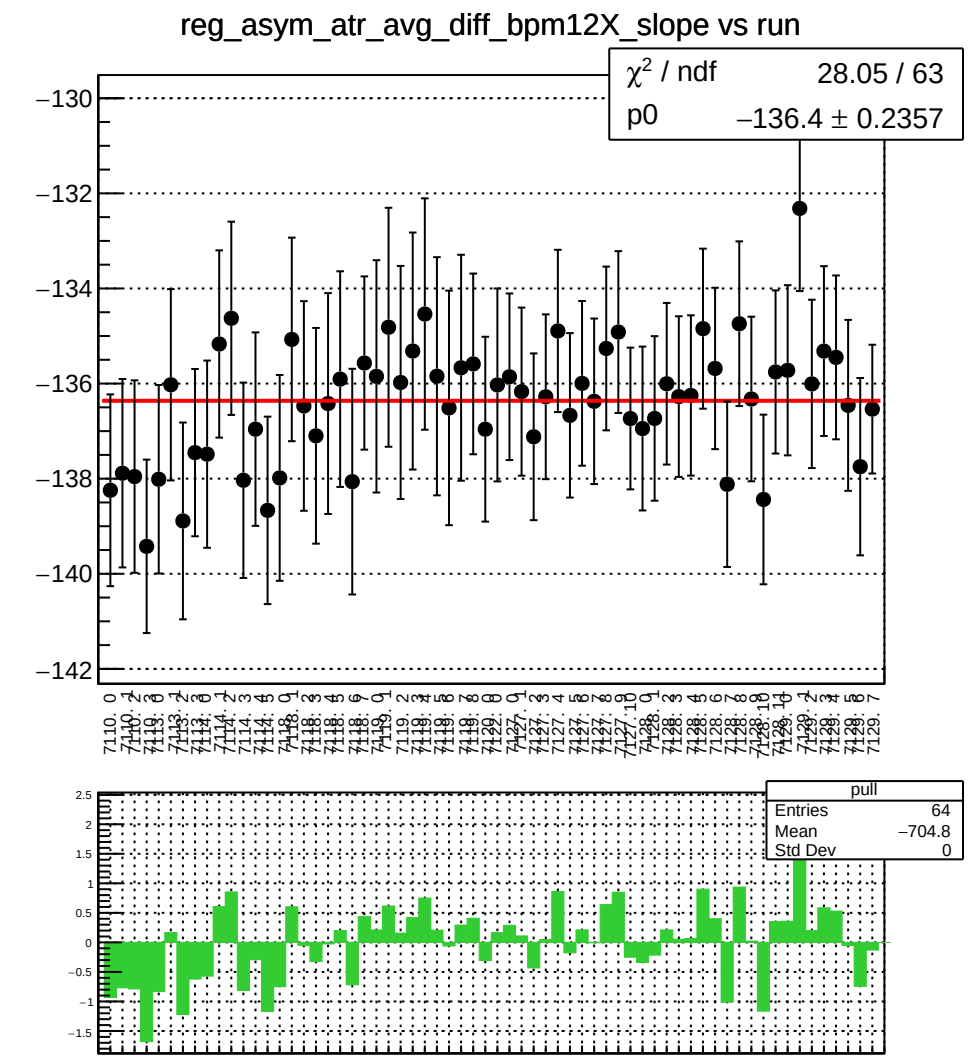

pull1D
Entries 64
Mean −0.02001
Std Dev 0.6036

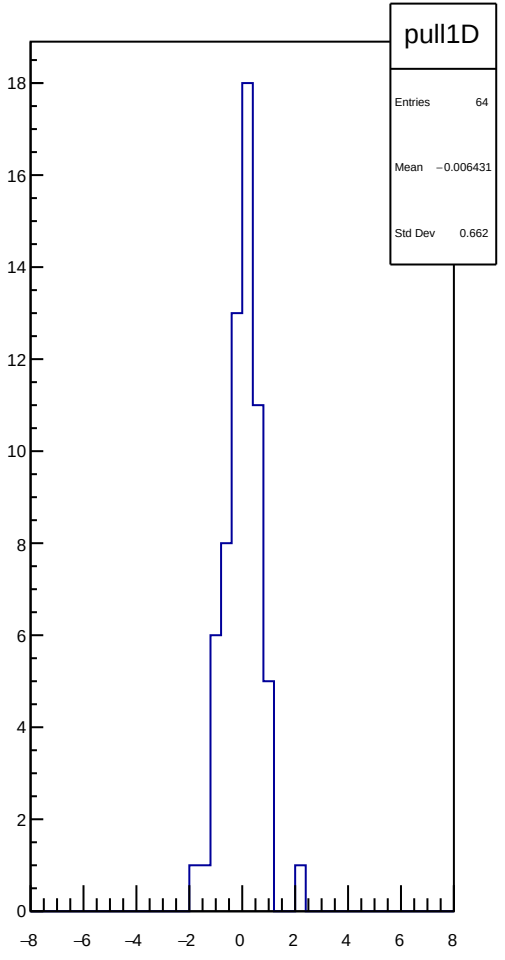

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.53 / 63
p0 246.5 ± 6.321
pull
Entries 64
Mean 142.2
Std Dev 0

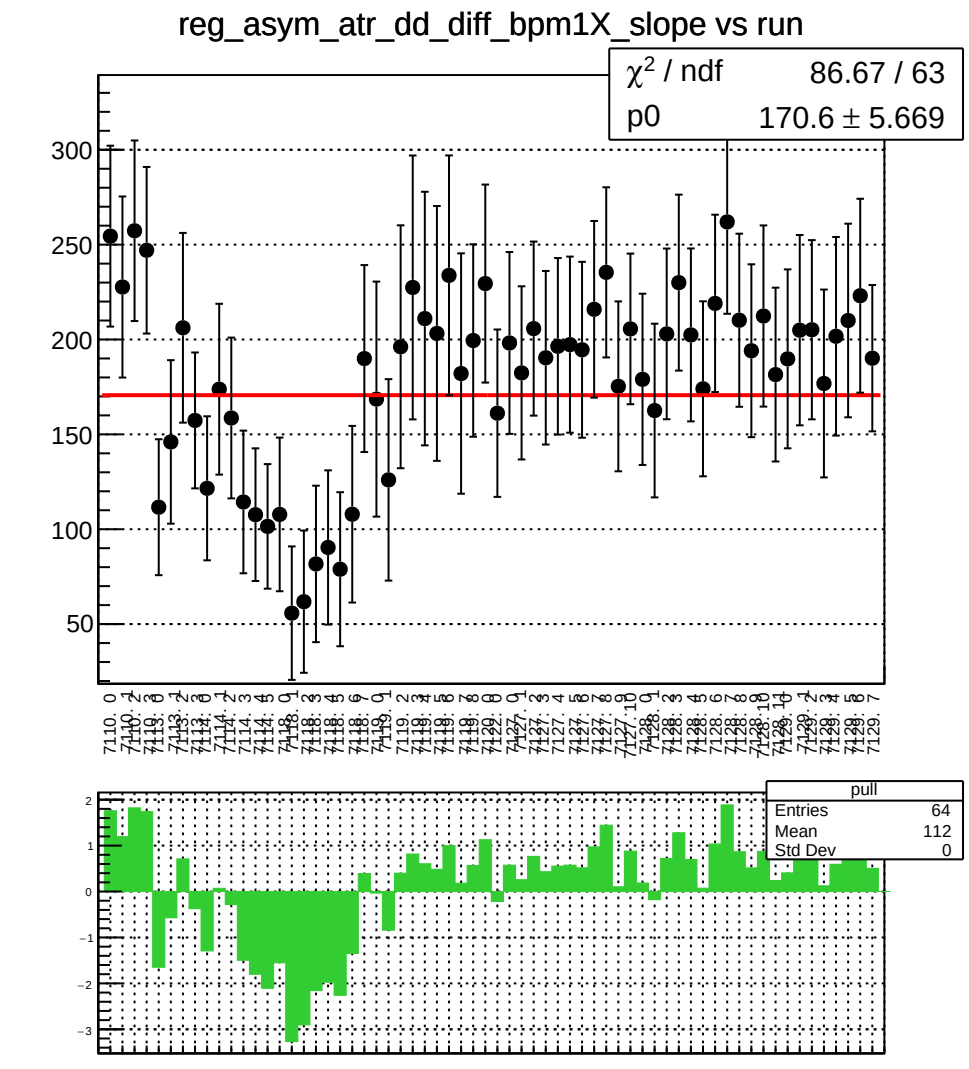

pull1D
Entries 64
Mean 0.08692
Std Dev 1.09

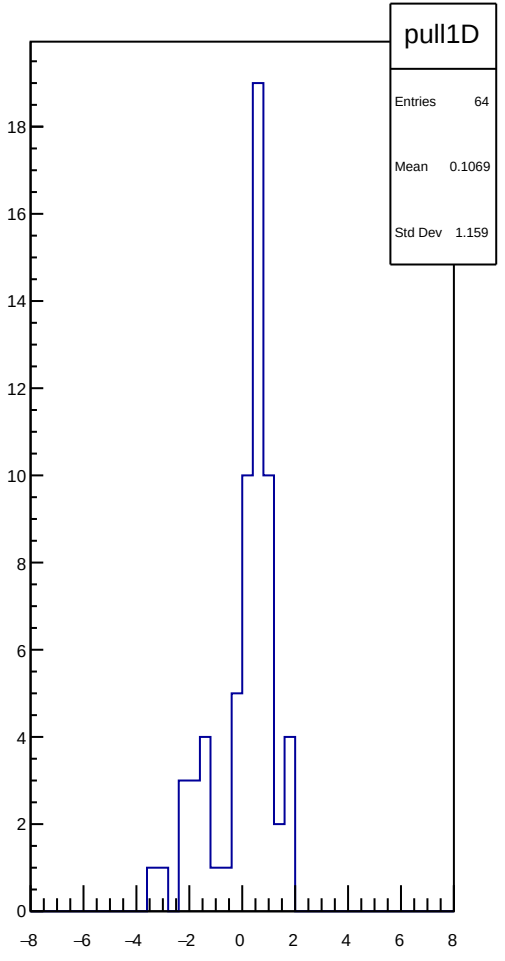

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.39 / 63
p0 71.7 ± 5.285
pull
Entries 64
Mean −185.6
Std Dev 0

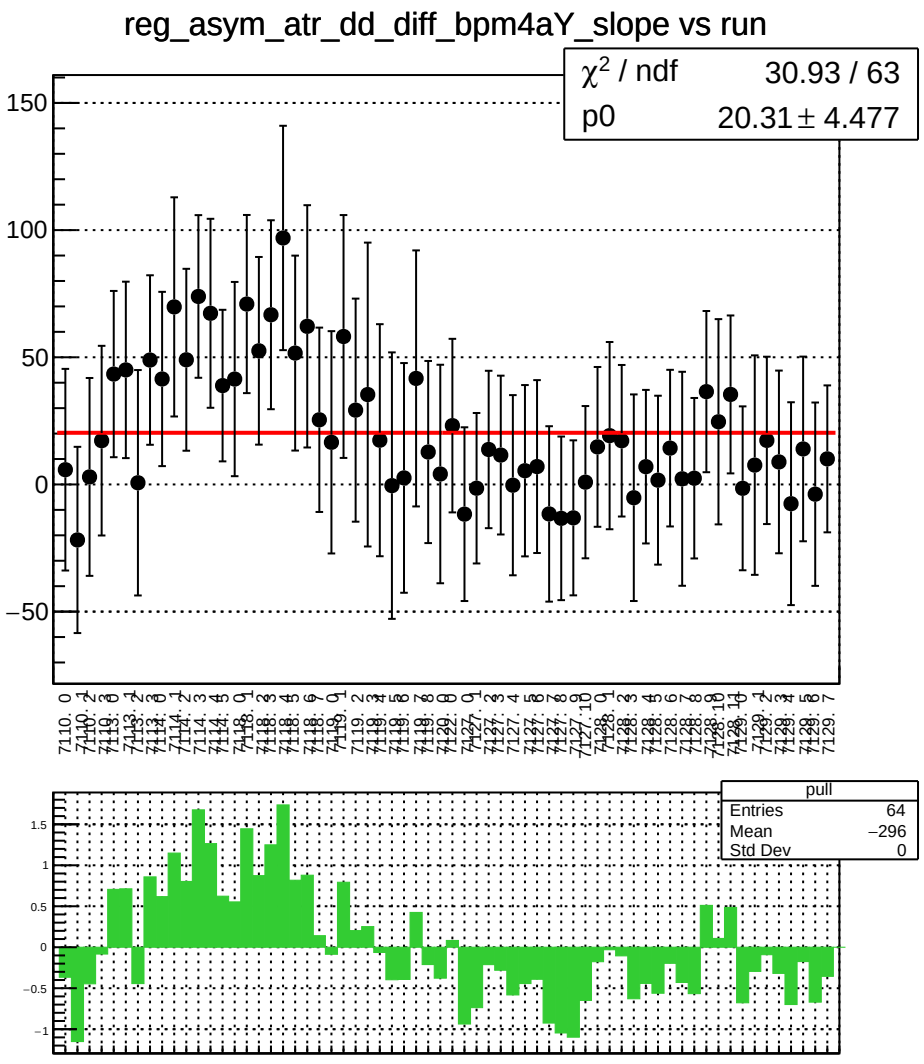

pull1D
Entries 64
Mean 0.02799
Std Dev 0.6886

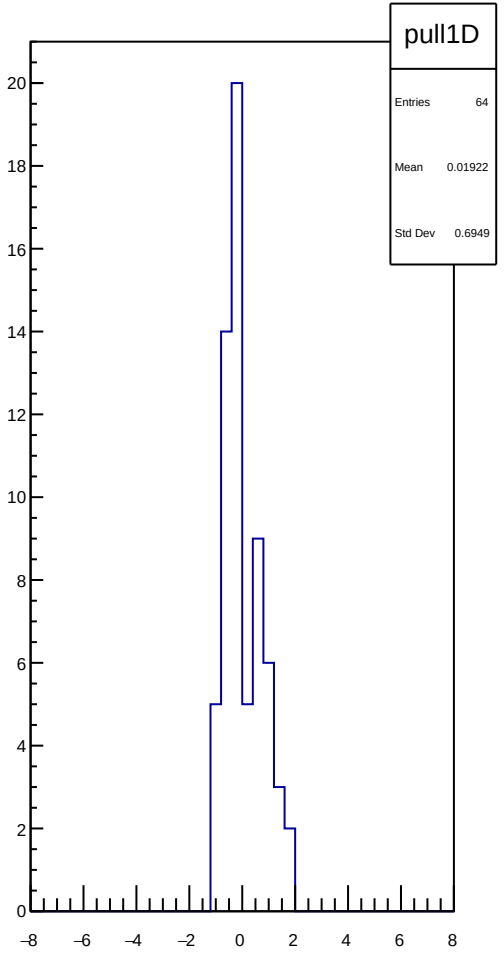

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 28.05 / 63
p0 −136.4 ± 0.2357
pull
Entries 64
Mean −704.8
Std Dev 0

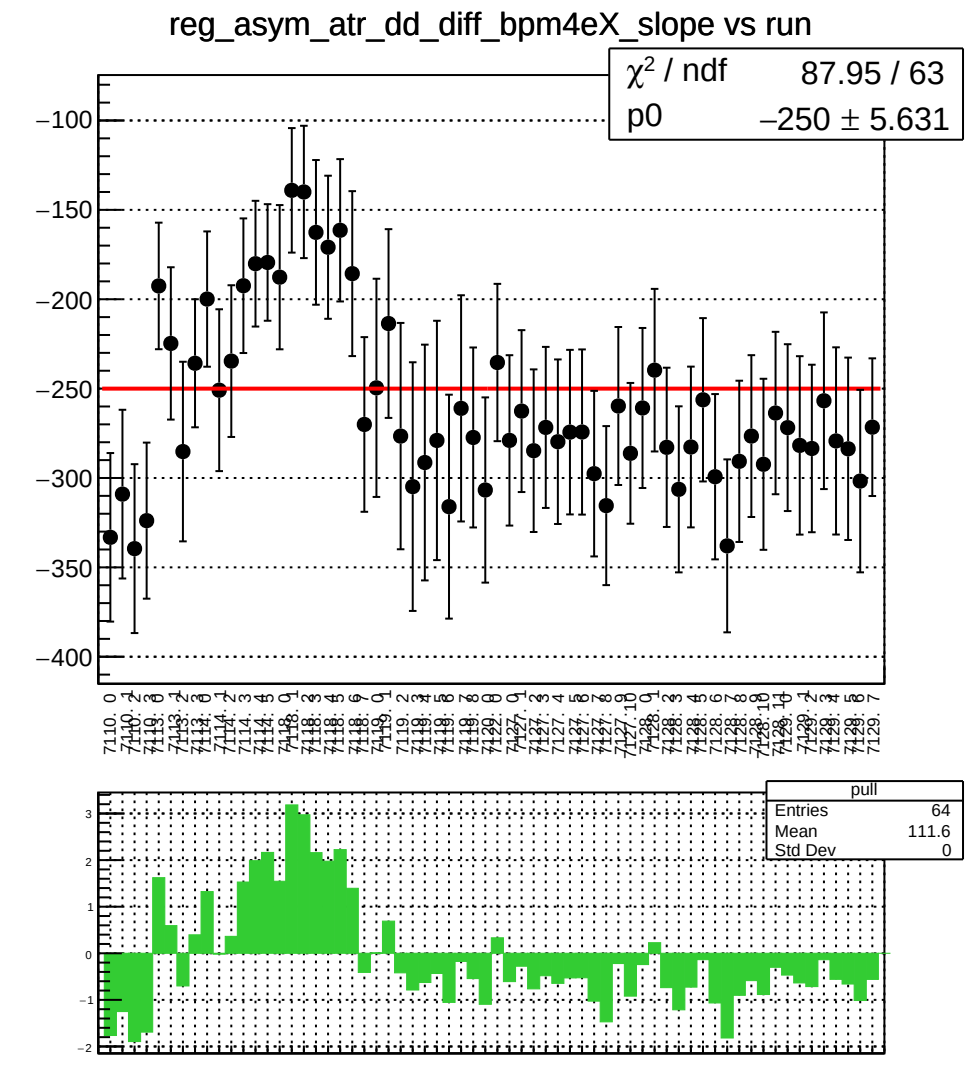

pull1D
Entries 64
Mean −0.006431
Std Dev 0.662

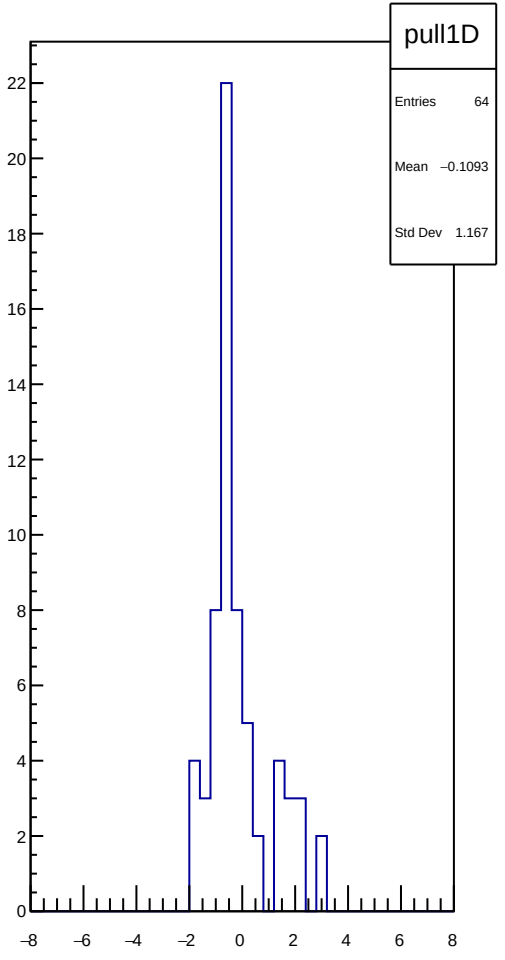

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 86.67 / 63
p0 170.6 ± 5.669
pull
Entries 64
Mean 112
Std Dev 0

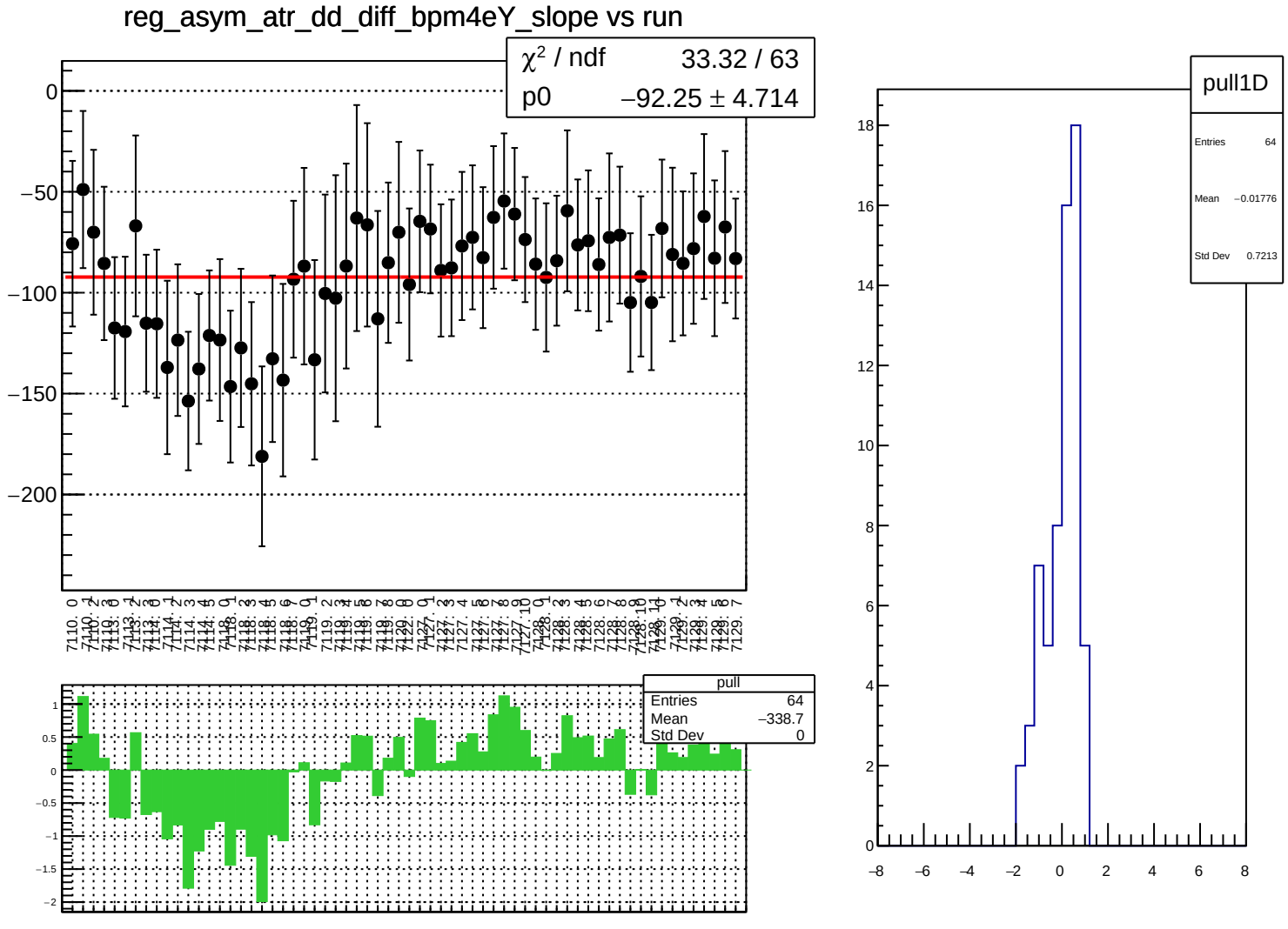

pull1D
Entries 64
Mean 0.1069
Std Dev 1.159

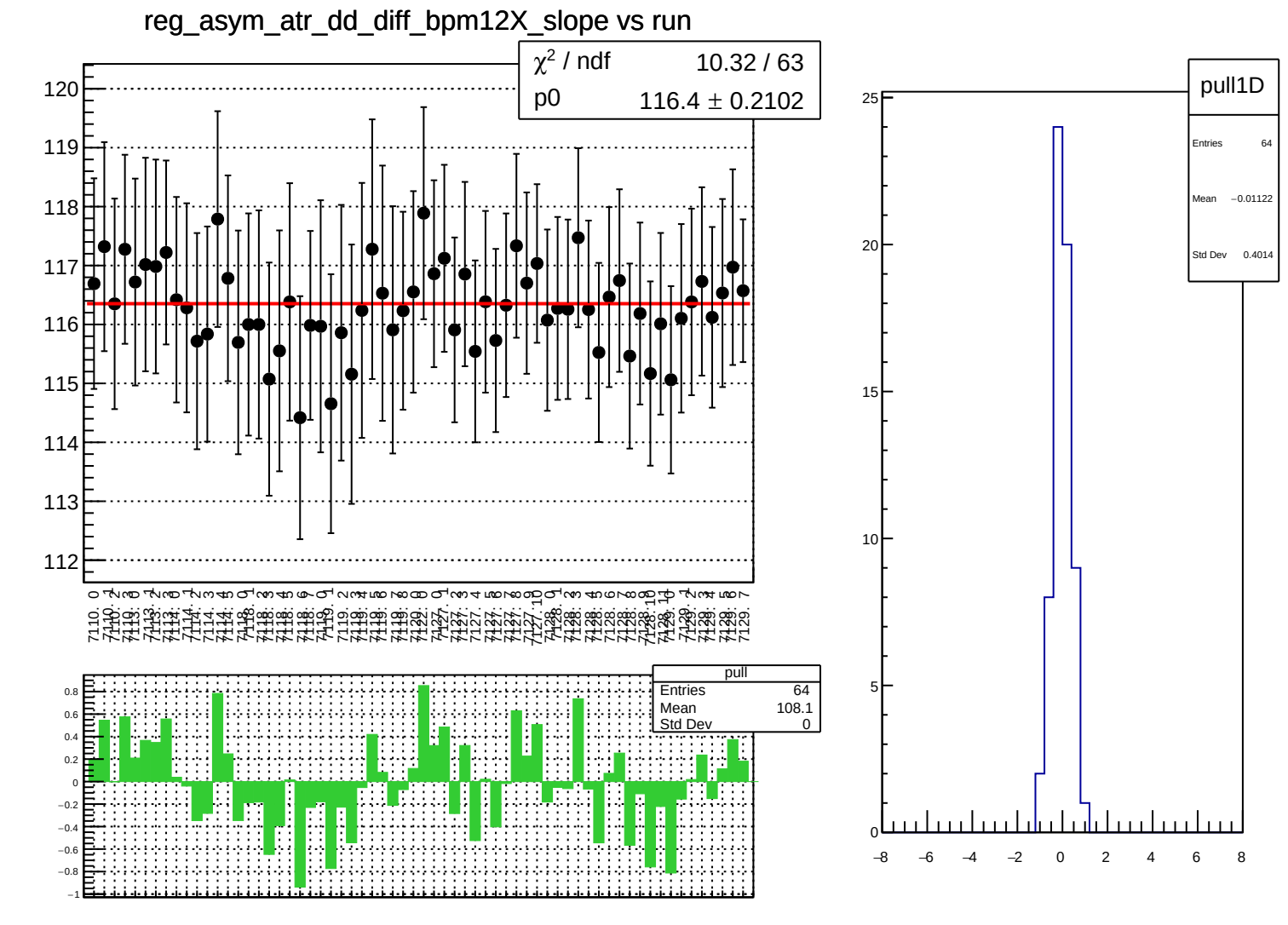

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.93 / 63
p0 20.31 ± 4.477
150
100
50
0
−50
pull
Entries 64
Mean −296
Std Dev 0
1.5
1
0.5
0
−0.5
−1

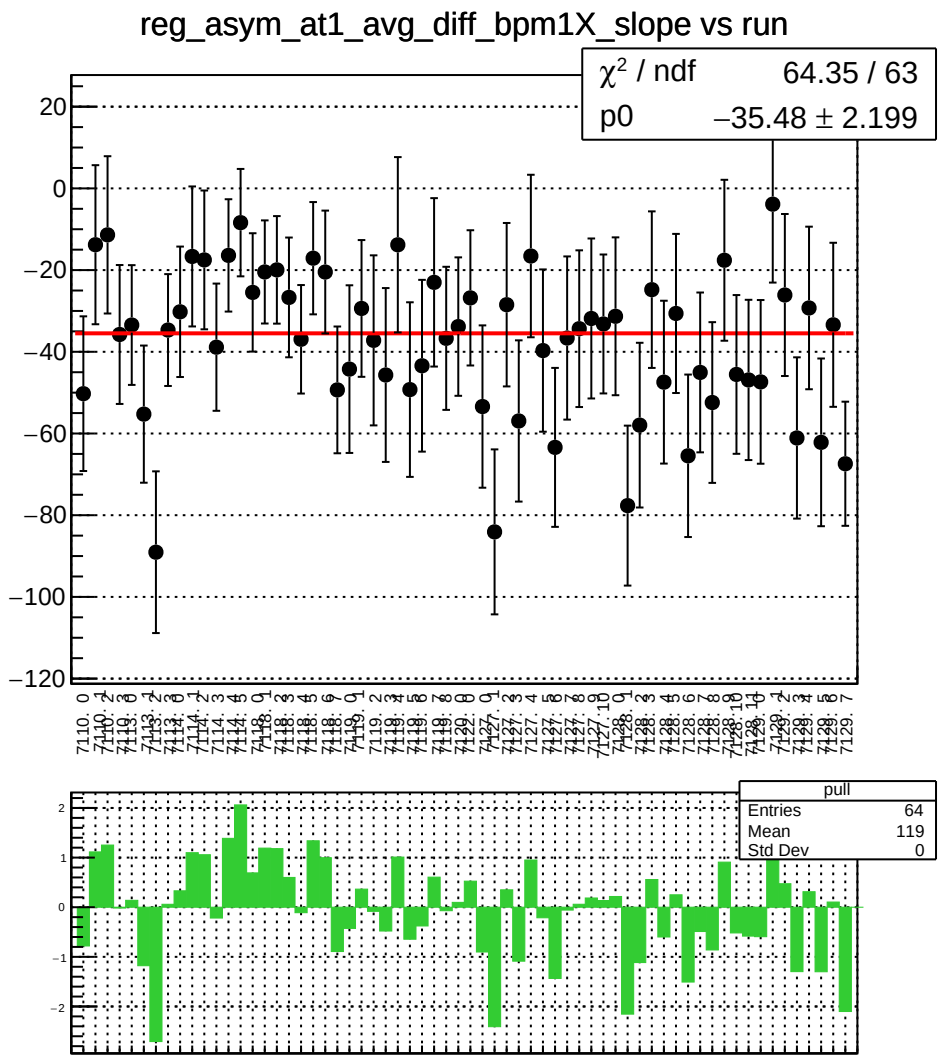

pull1D
Entries 64
Mean 0.01922
Std Dev 0.6949
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

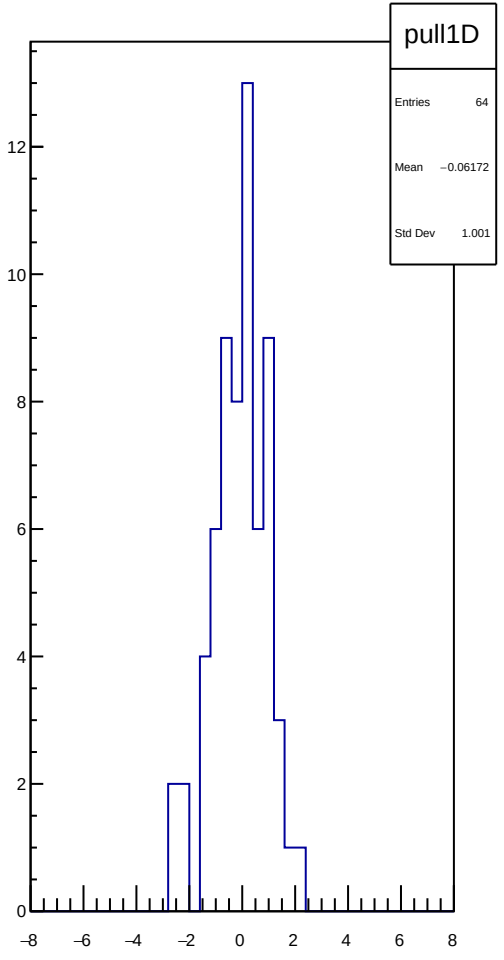

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.95 / 63
p0 −250 ± 5.631
pull
Entries 64
Mean 111.6
Std Dev 0

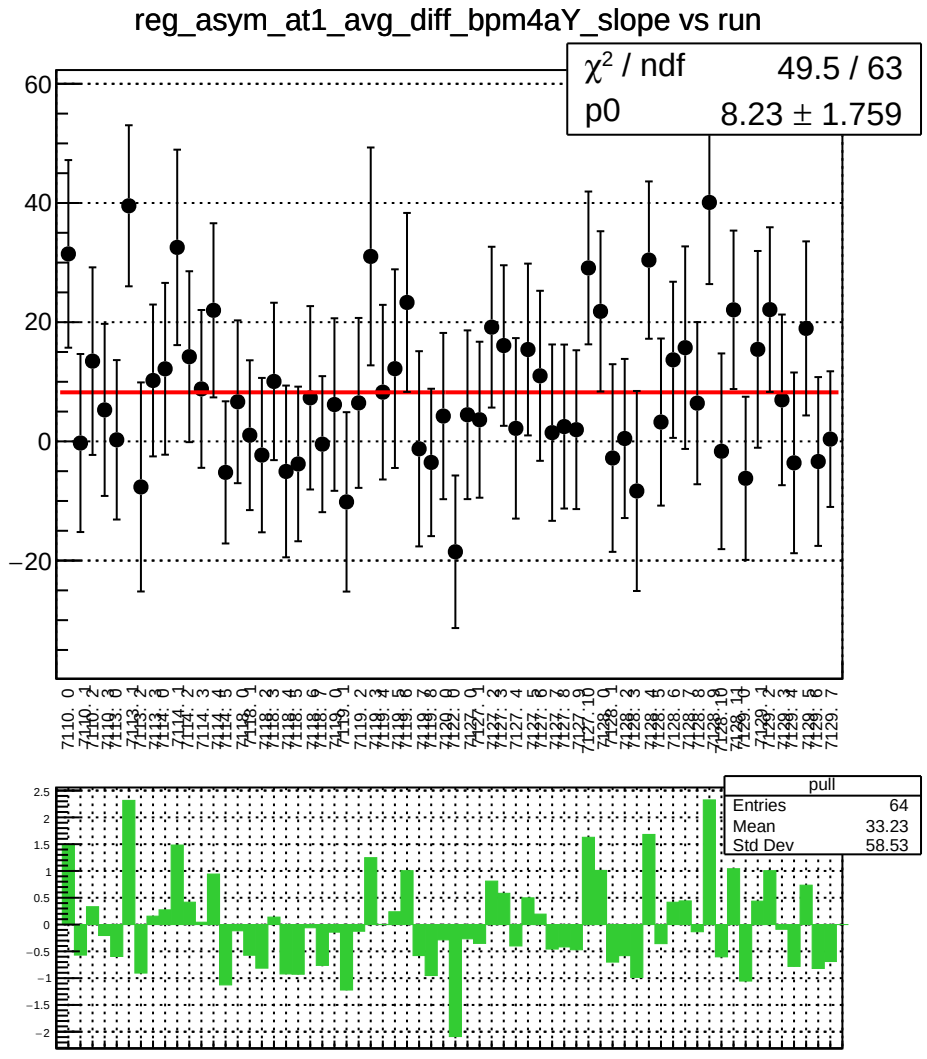

pull1D
Entries 64
Mean −0.1093
Std Dev 1.167

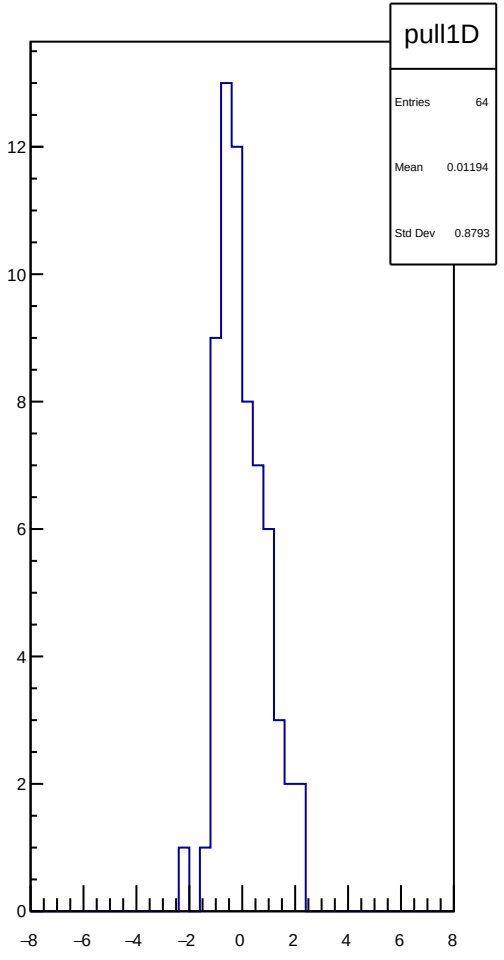

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.32 / 63
p0 −92.25 ± 4.714
pull
Entries 64
Mean −338.7
Std Dev 0
pull1D
Entries 64
Mean −0.01776
Std Dev 0.7213

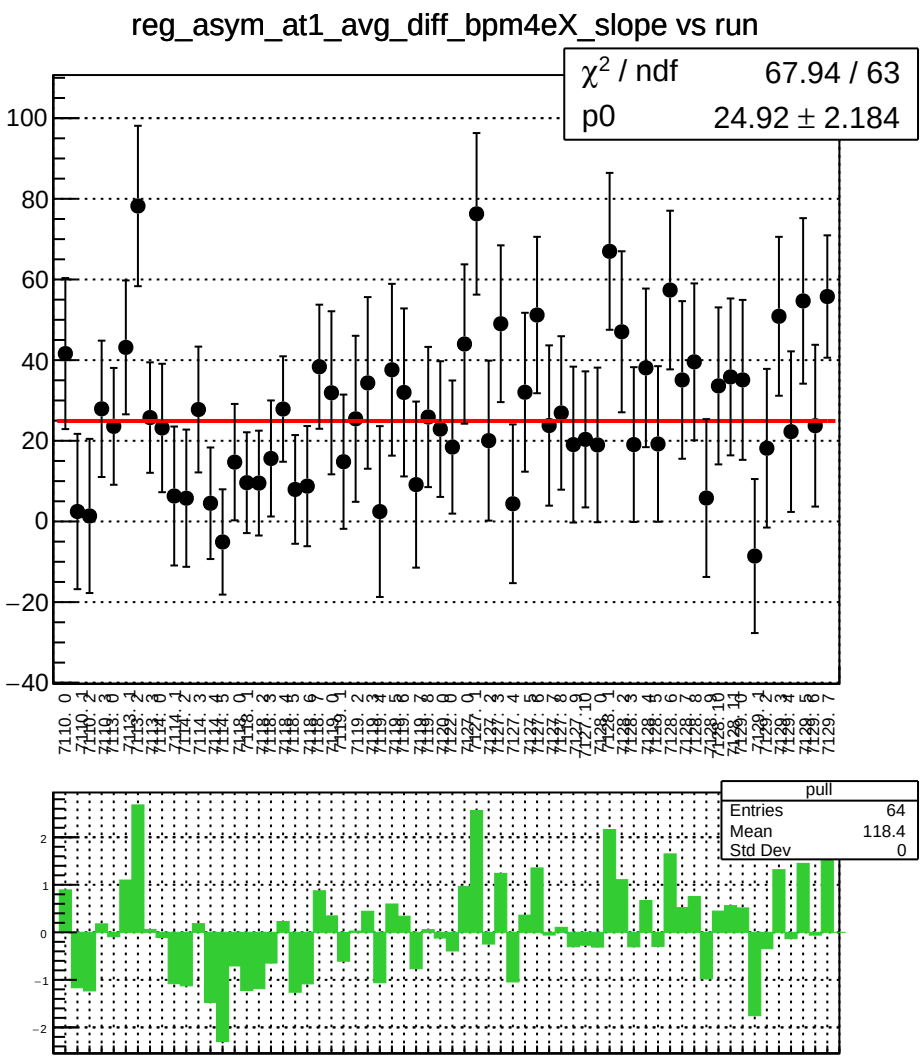

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 10.32 / 63
p0 116.4 ± 0.2102
pull
Entries 64
Mean 108.1
Std Dev 0
pull1D
Entries 64
Mean −0.01122
Std Dev 0.4014

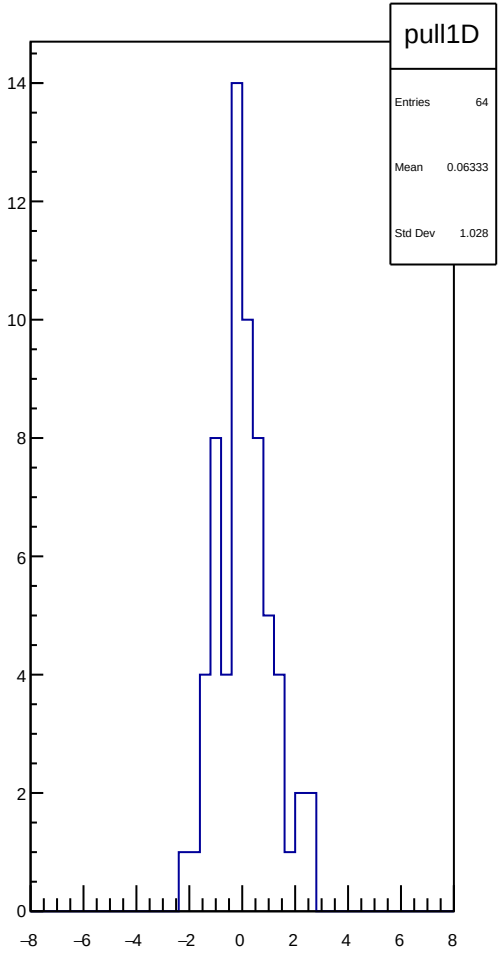

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 64.35 / 63
p0 −35.48 ± 2.199
pull
Entries 64
Mean 119
Std Dev 0

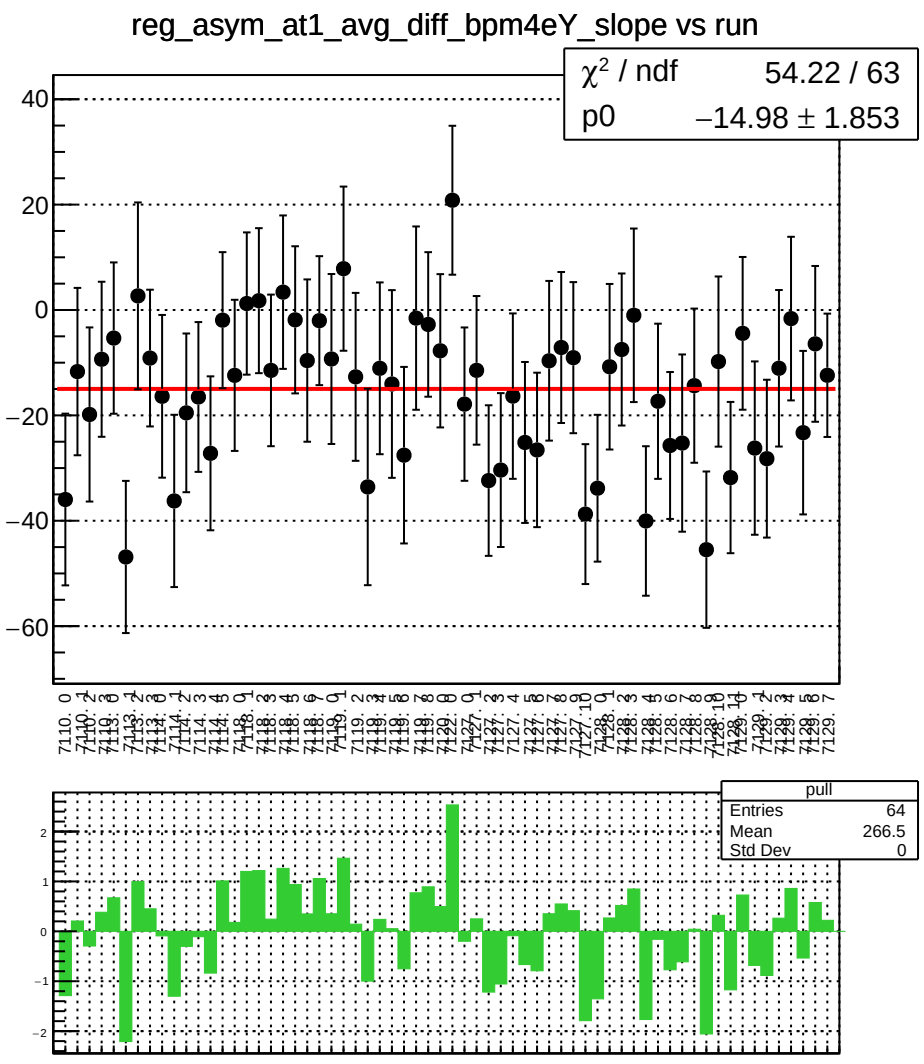

pull1D
Entries 64
Mean −0.06172
Std Dev 1.001

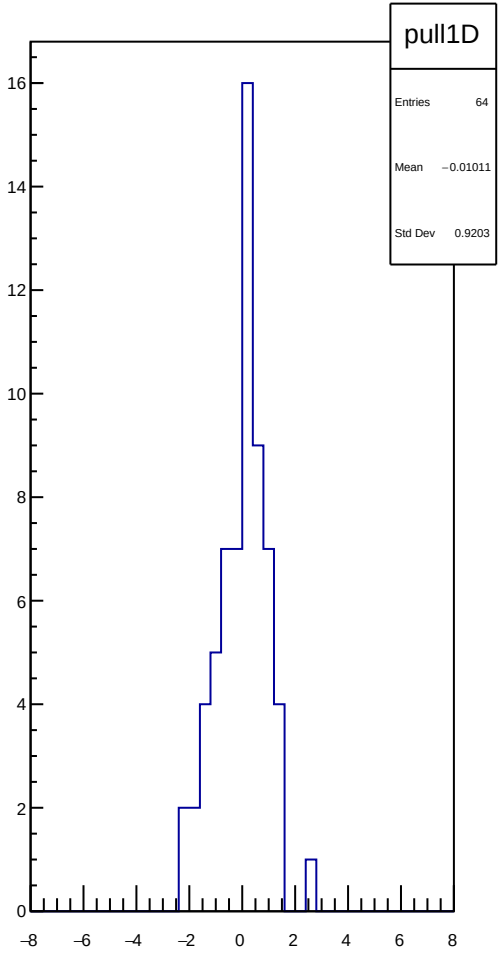

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.5 / 63
p0 8.23 ± 1.759
pull
Entries 64
Mean 33.23
Std Dev 58.53

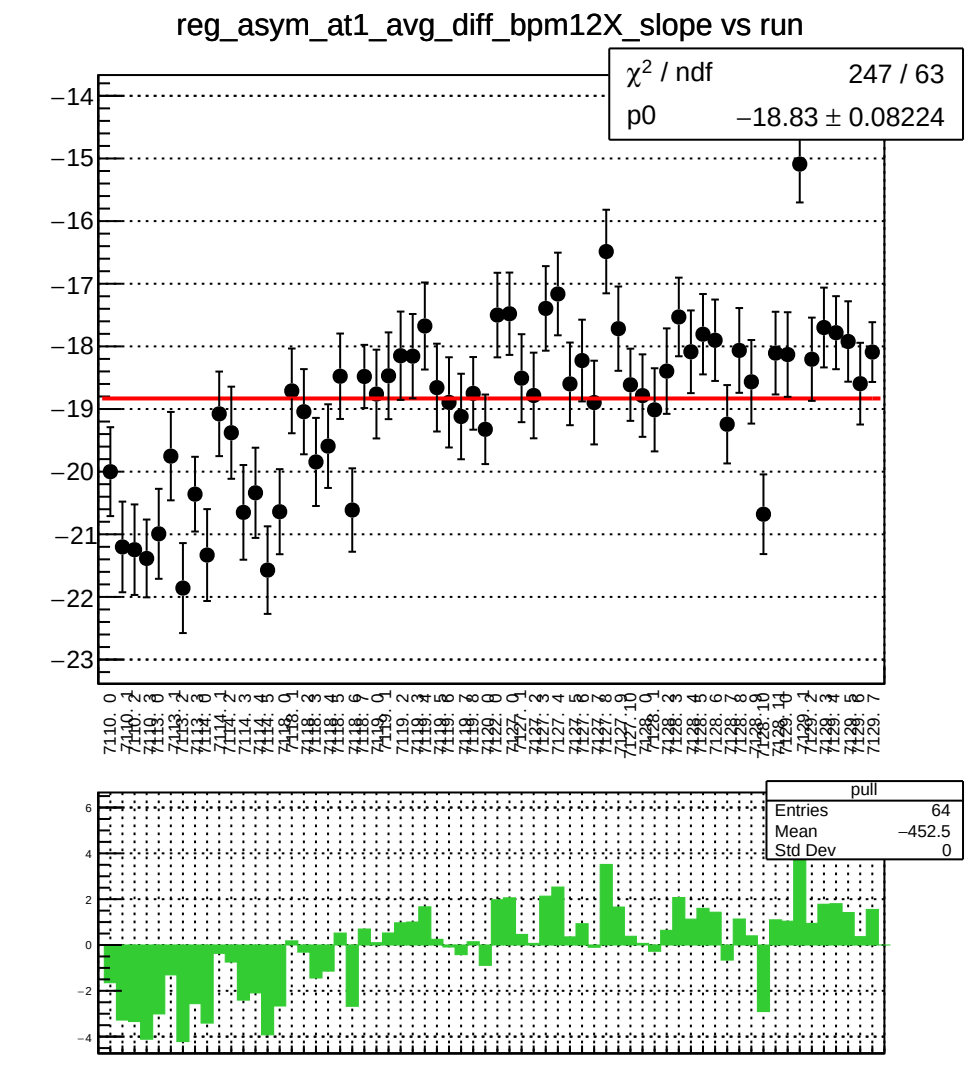

pull1D
Entries 64
Mean 0.01194
Std Dev 0.8793

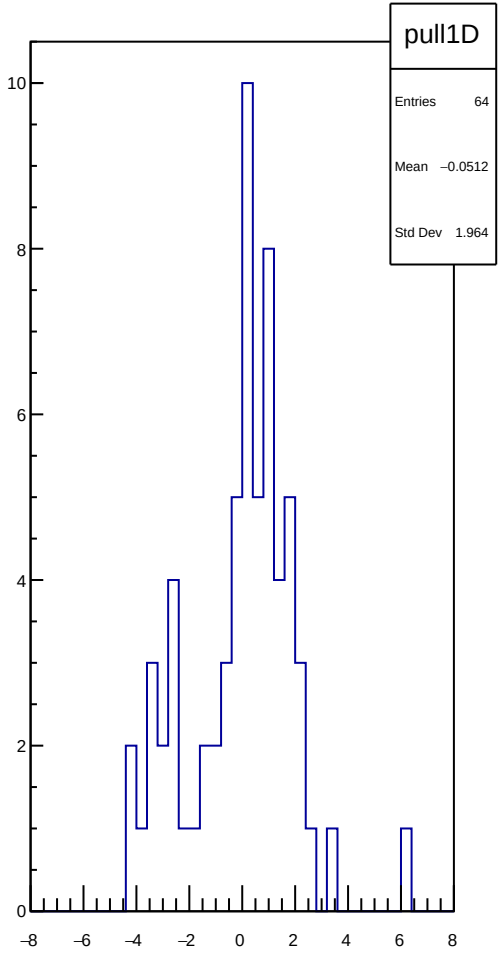

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.94 / 63
p0 24.92 ± 2.184
pull
Entries 64
Mean 118.4
Std Dev 0

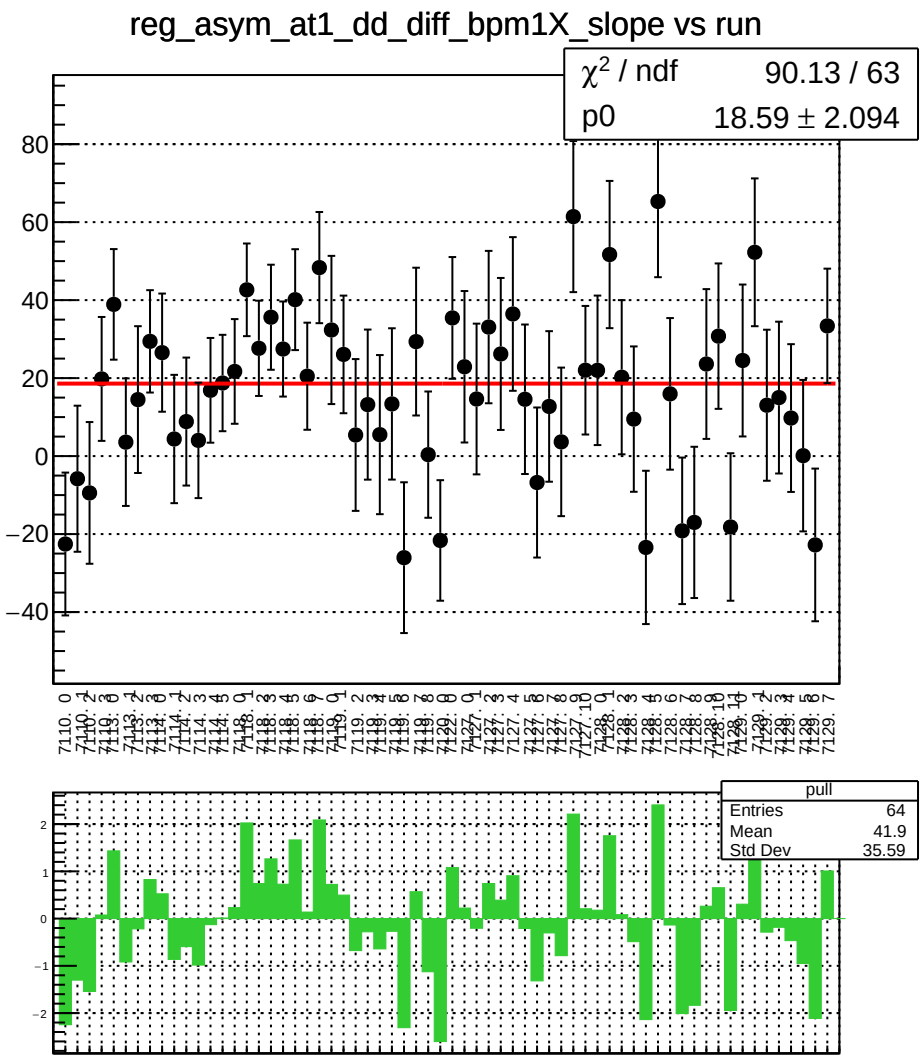

pull1D
Entries 64
Mean 0.06333
Std Dev 1.028

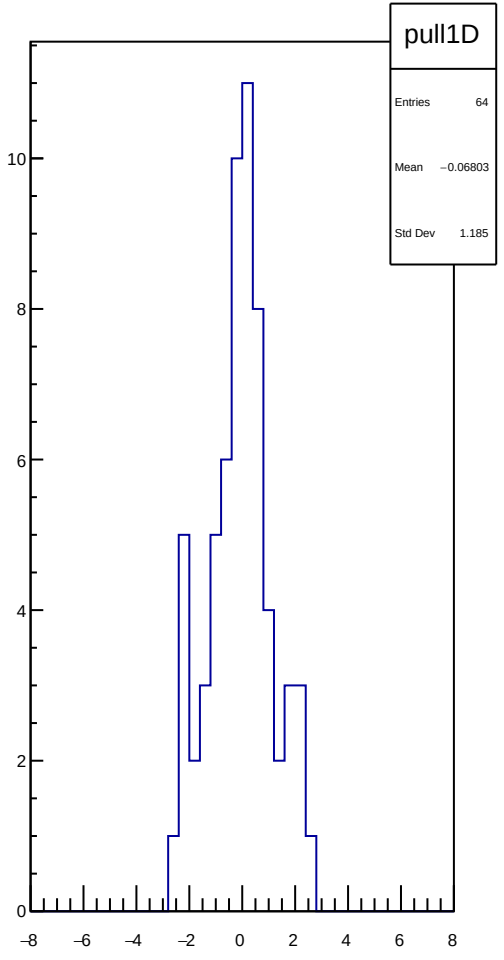

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.22 / 63
p0 −14.98 ± 1.853
pull
Entries 64
Mean 266.5
Std Dev 0

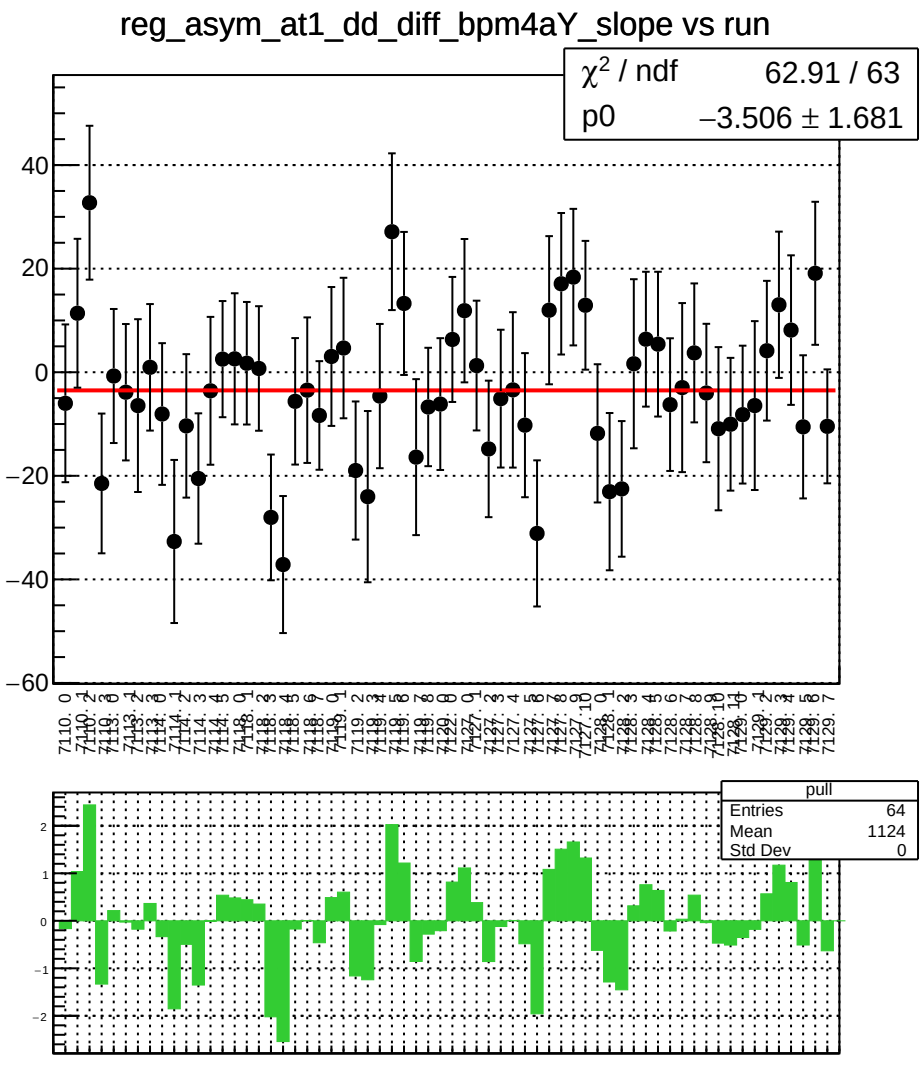

pull1D
Entries 64
Mean −0.01011
Std Dev 0.9203

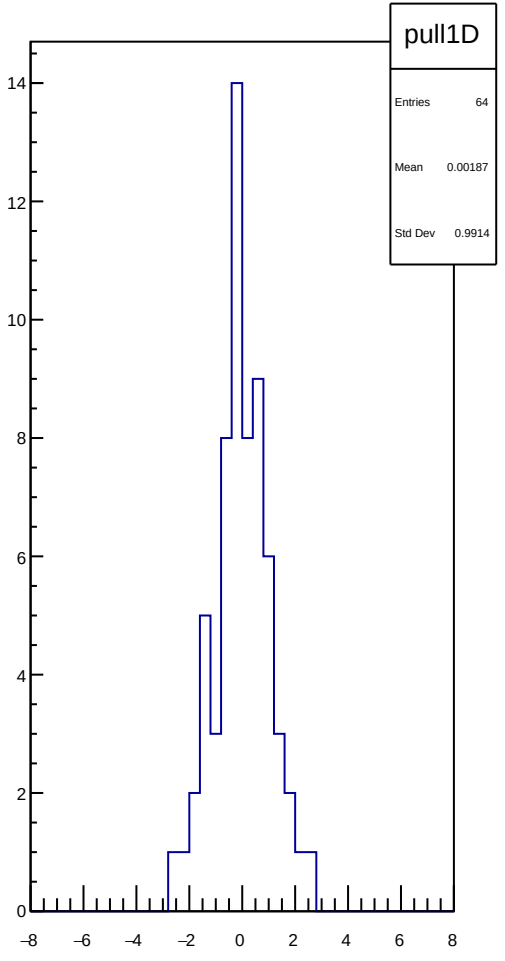

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 247 / 63
p0 −18.83 ± 0.08224
pull
Entries 64
Mean −452.5
Std Dev 0

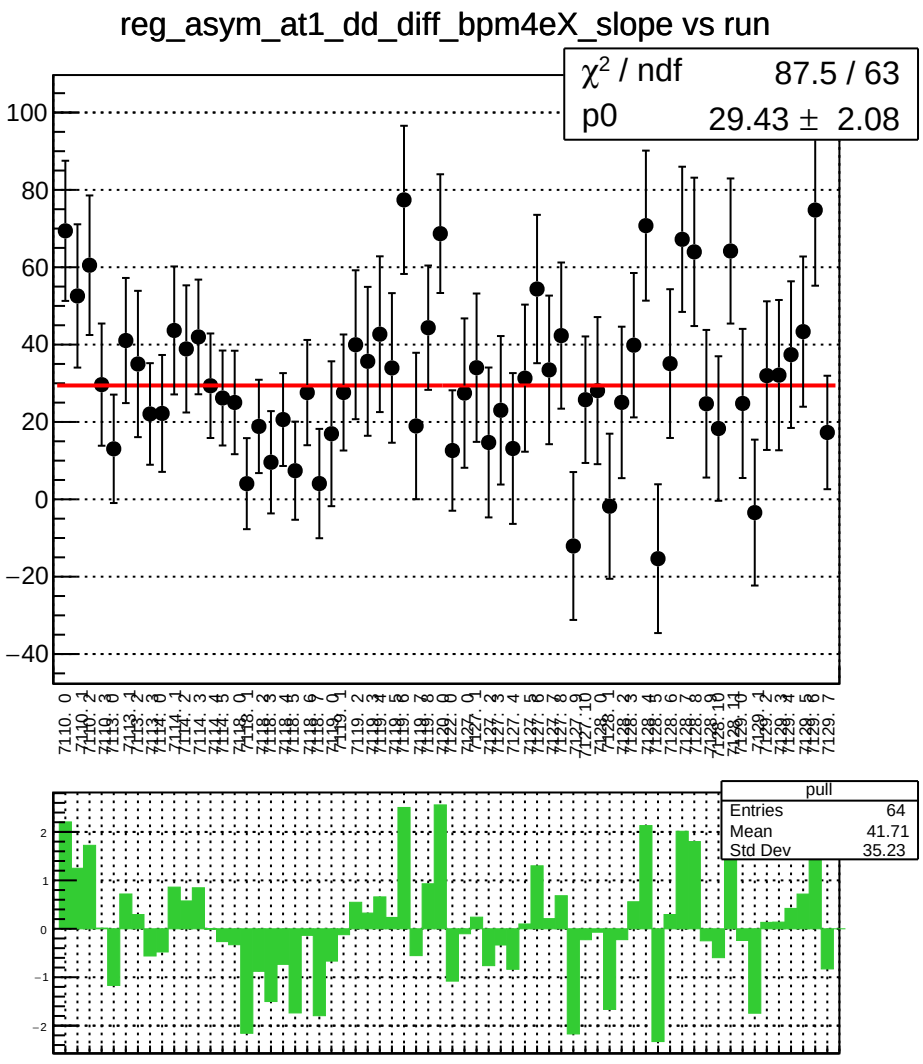

pull1D
Entries 64
Mean −0.0512
Std Dev 1.964

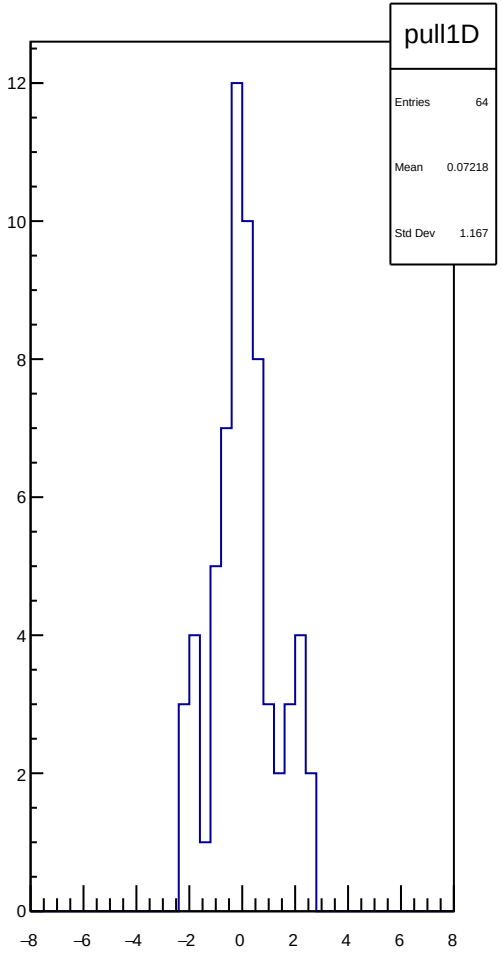

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 90.13 / 63
p0 18.59 ± 2.094
pull
Entries 64
Mean 41.9
Std Dev 35.59

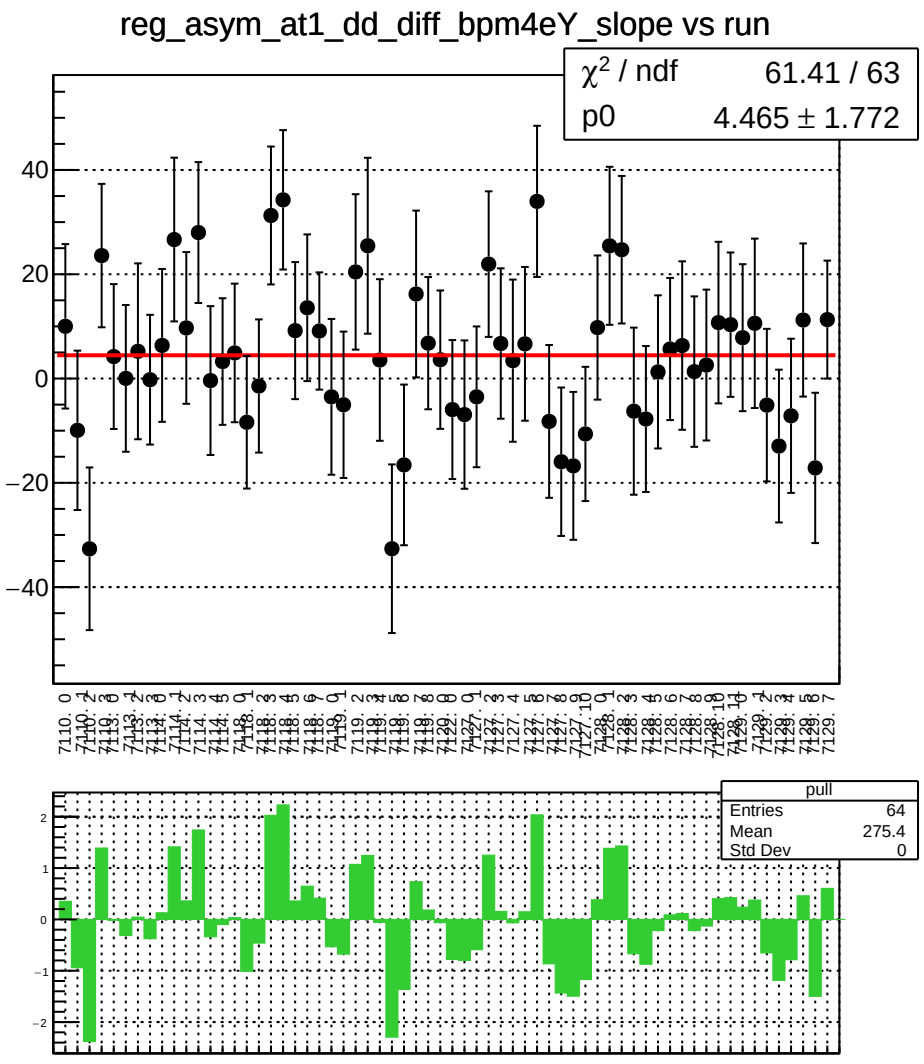

pull1D
Entries 64
Mean −0.06803
Std Dev 1.185

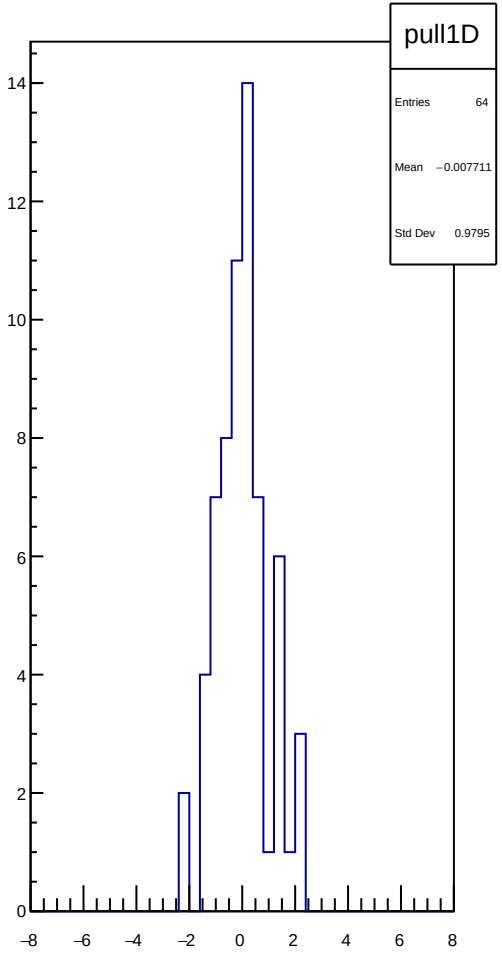

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.91 / 63
p0 −3.506 ± 1.681
pull
Entries 64
Mean 1124
Std Dev 0

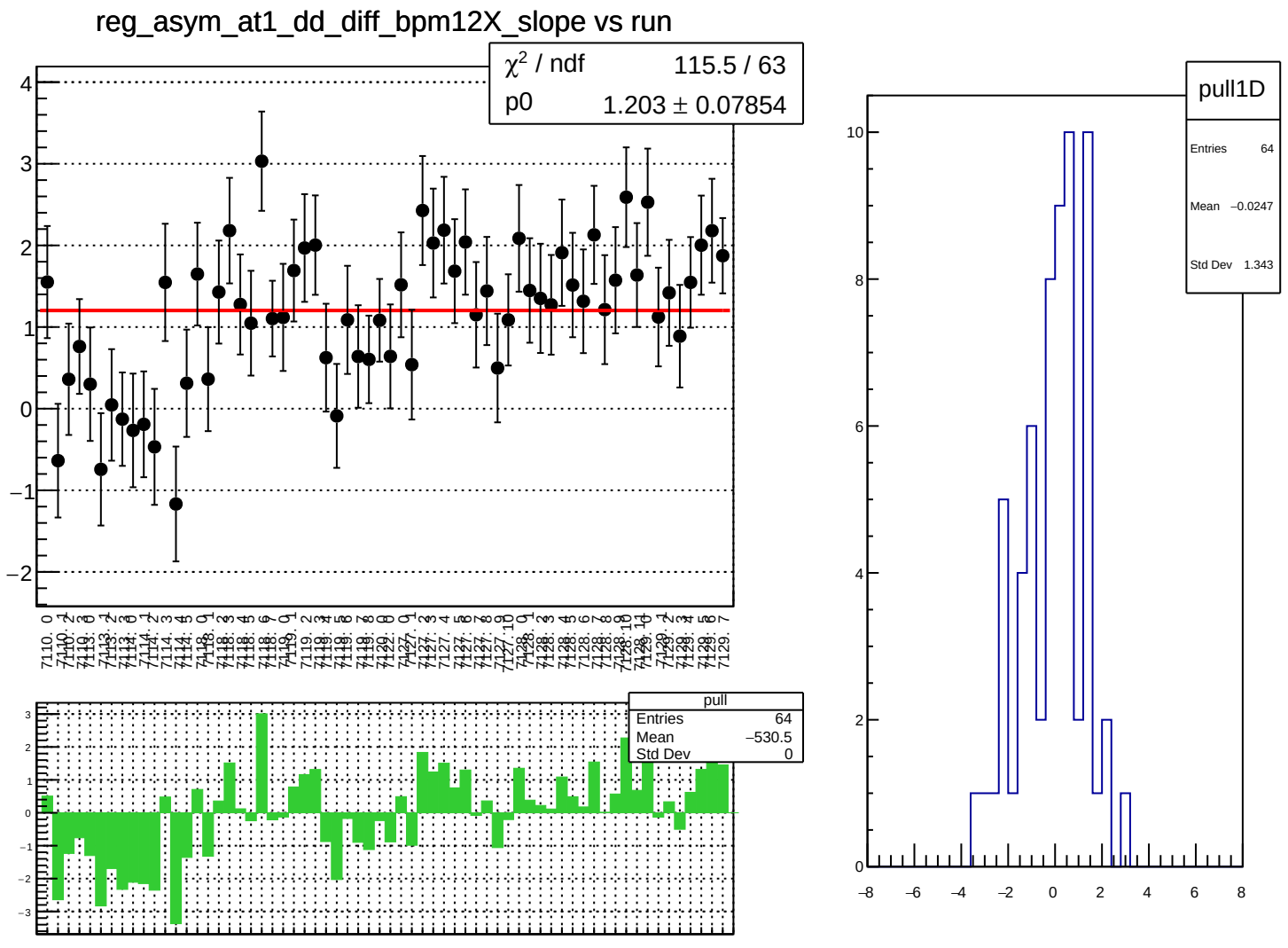

pull1D
Entries 64
Mean 0.00187
Std Dev 0.9914

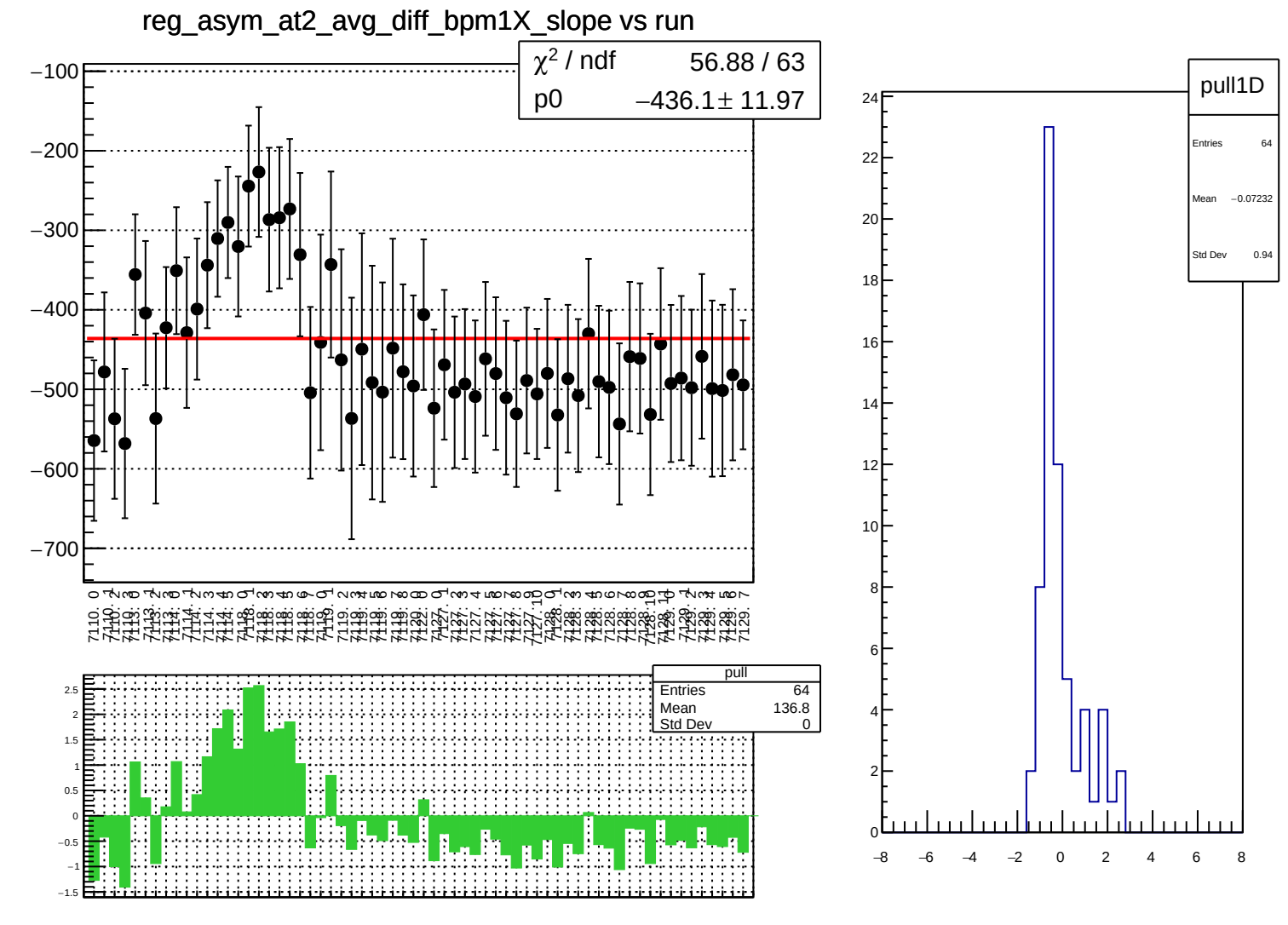

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.5 / 63
p0 29.43 ± 2.08
pull
Entries 64
Mean 41.71
Std Dev 35.23

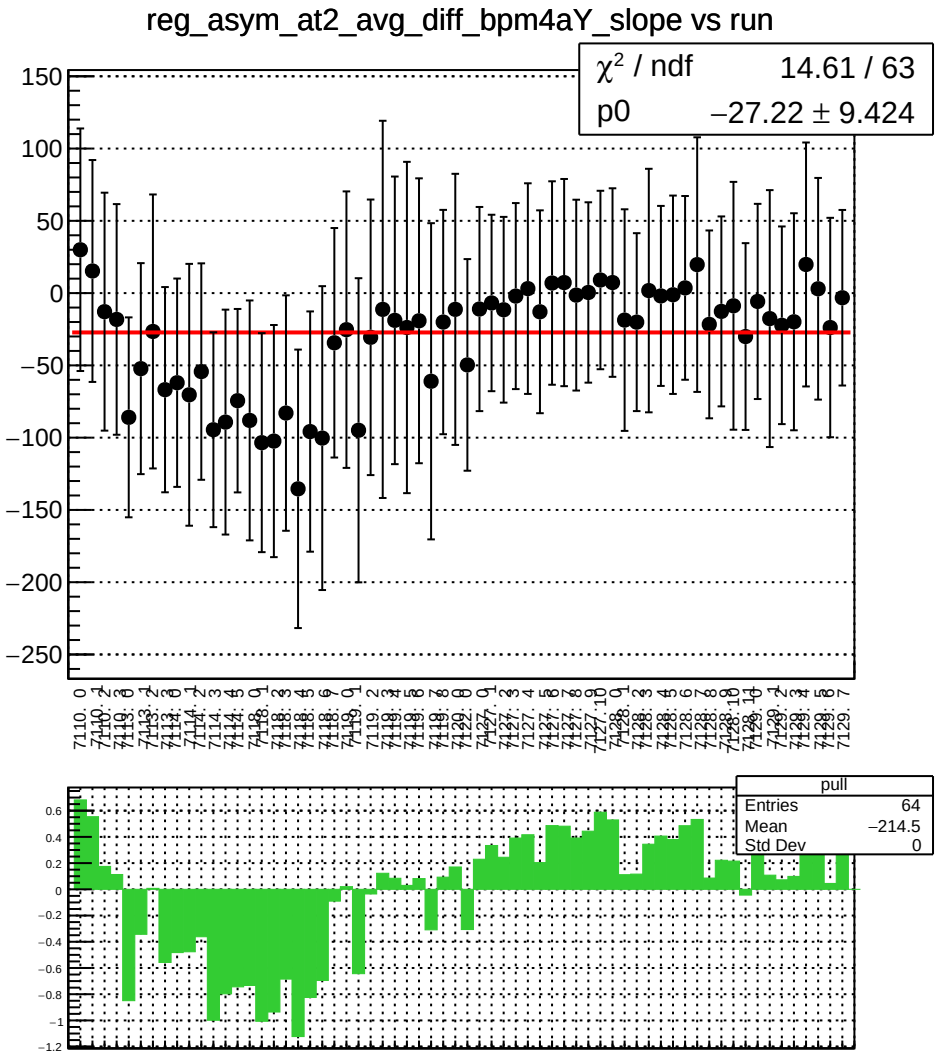

pull1D
Entries 64
Mean 0.07218
Std Dev 1.167

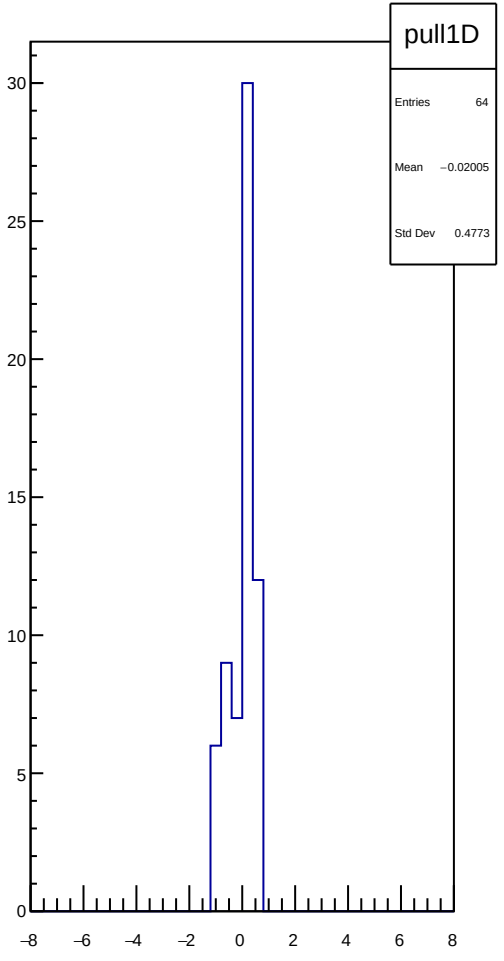

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.41 / 63
p0 4.465 ± 1.772
pull
Entries 64
Mean 275.4
Std Dev 0

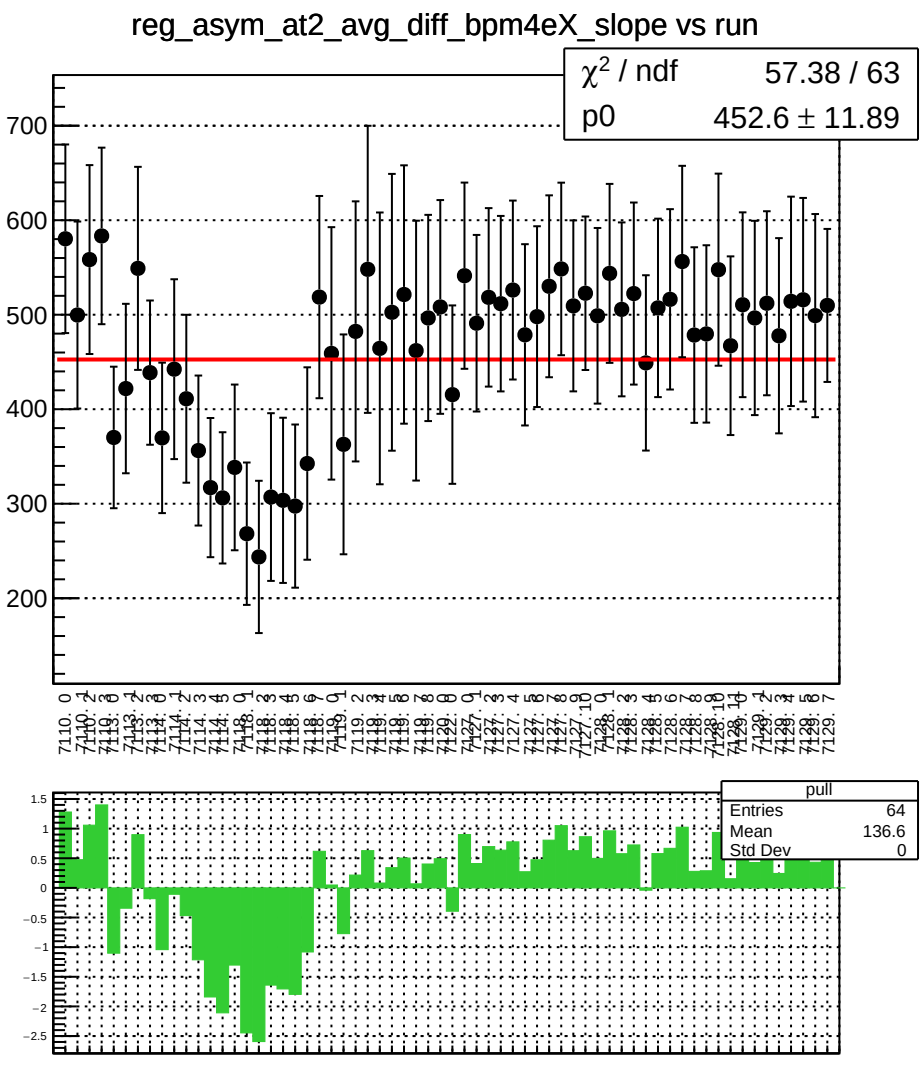

pull1D
Entries 64
Mean −0.007711
Std Dev 0.9795

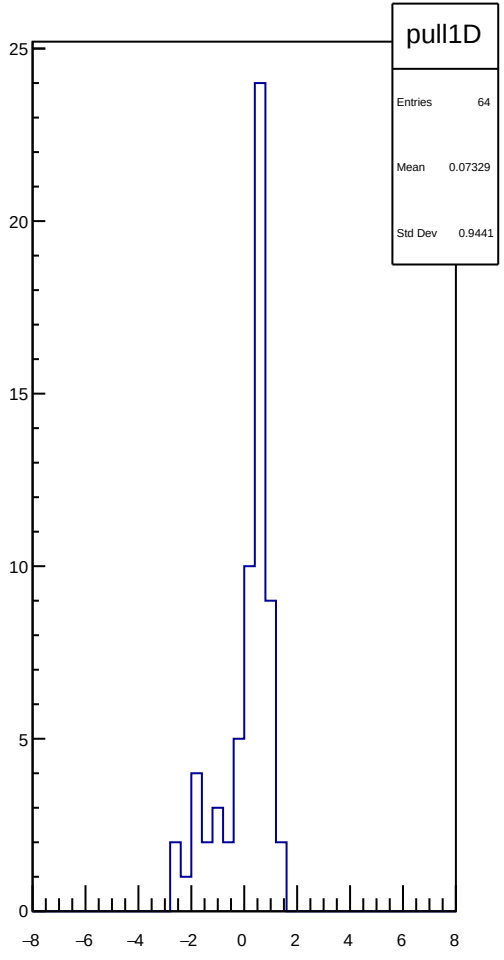

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 115.5 / 63
p0 1.203 ± 0.07854
pull
Entries 64
Mean −530.5
Std Dev 0
pull1D
Entries 64
Mean −0.0247
Std Dev 1.343

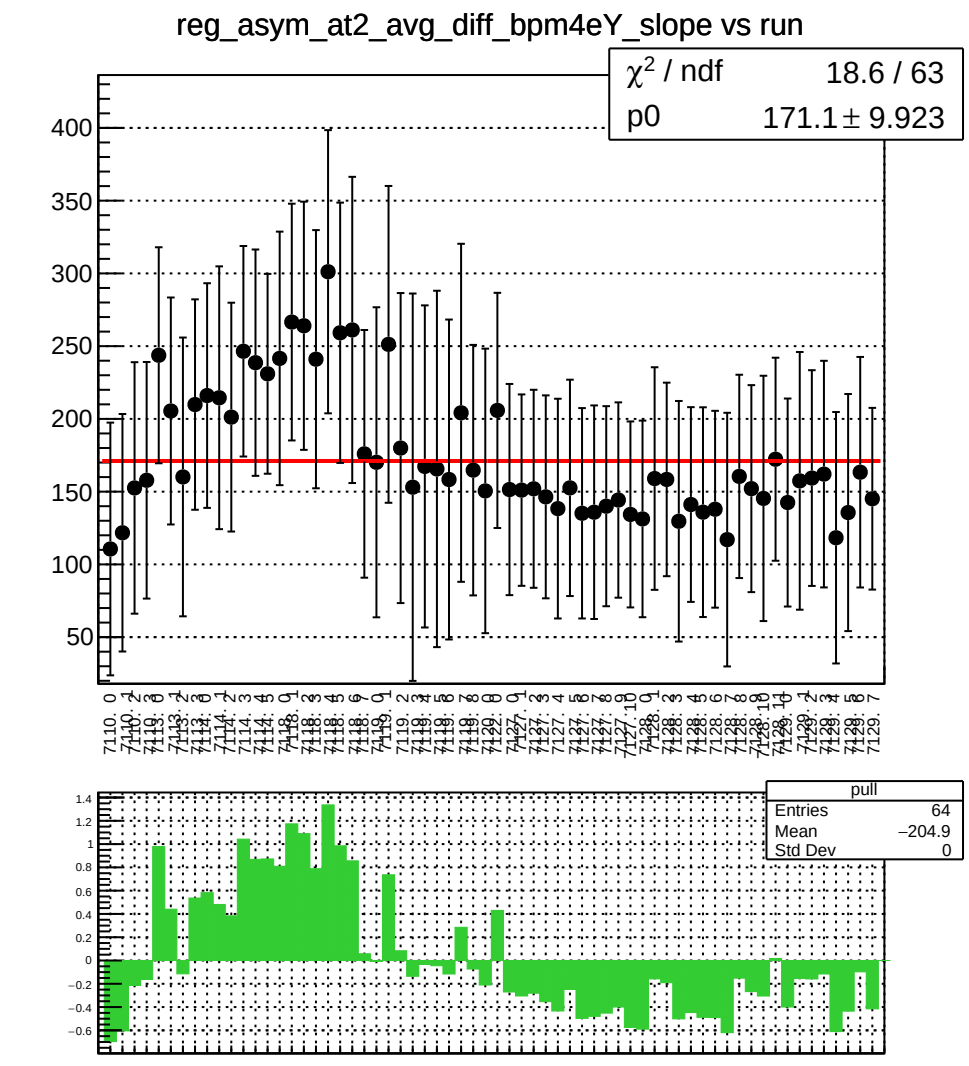

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 56.88 / 63
p0 −436.1 ± 11.97
pull
Entries 64
Mean 136.8
Std Dev 0
pull1D
Entries 64
Mean −0.07232
Std Dev 0.94

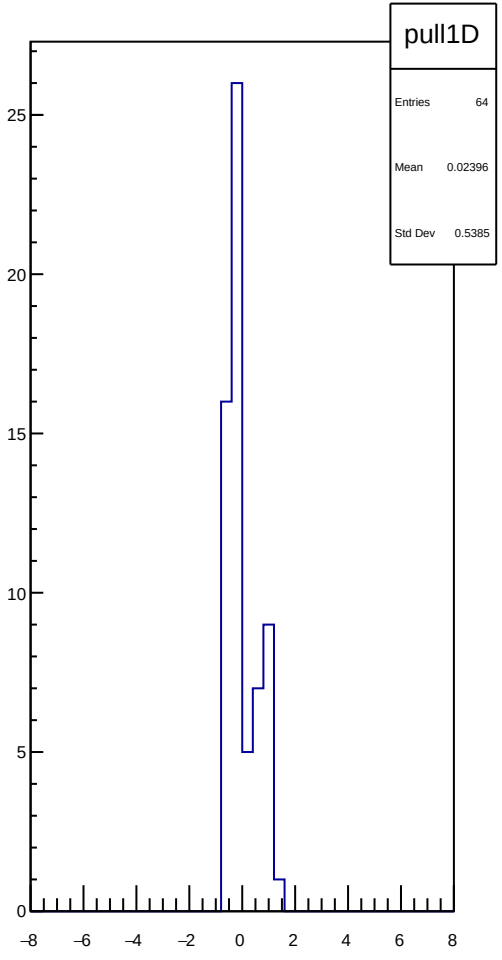

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.61 / 63
p0 −27.22 ± 9.424
pull
Entries 64
Mean −214.5
Std Dev 0

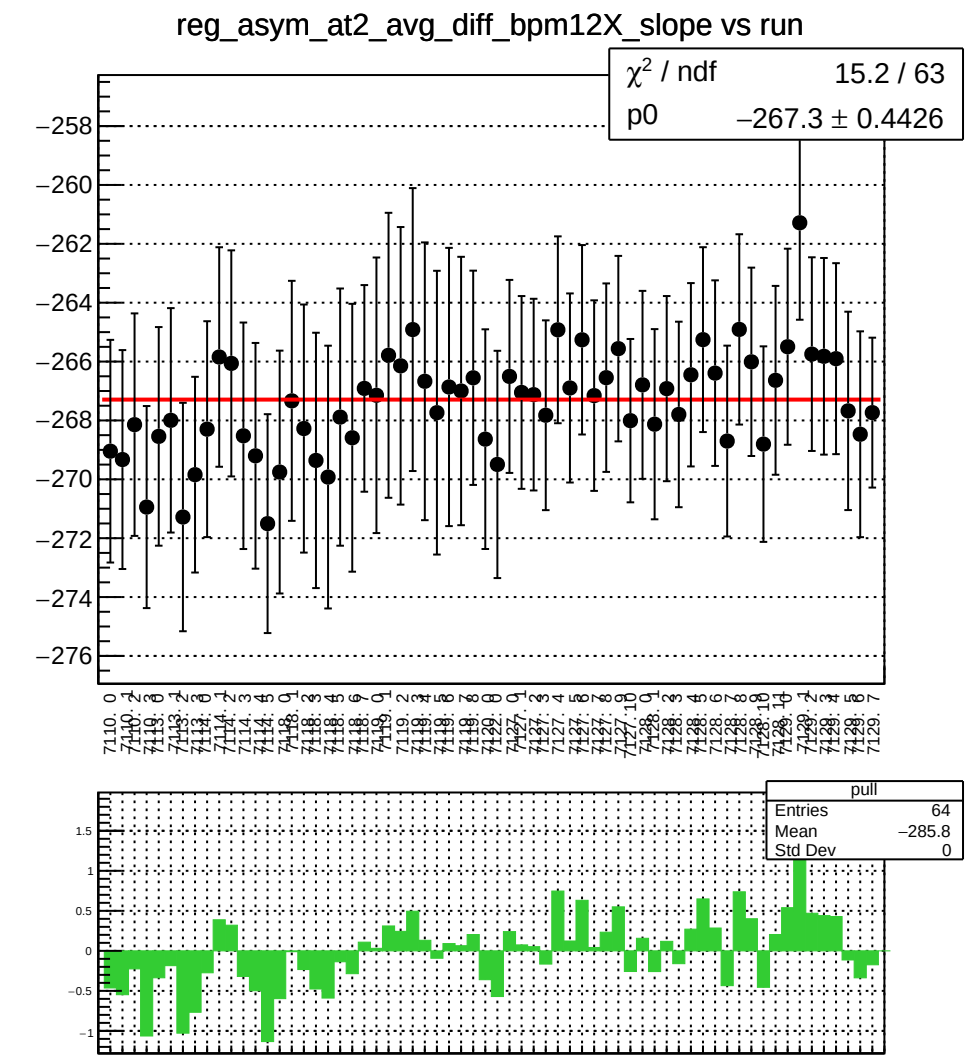

pull1D
Entries 64
Mean −0.02005
Std Dev 0.4773

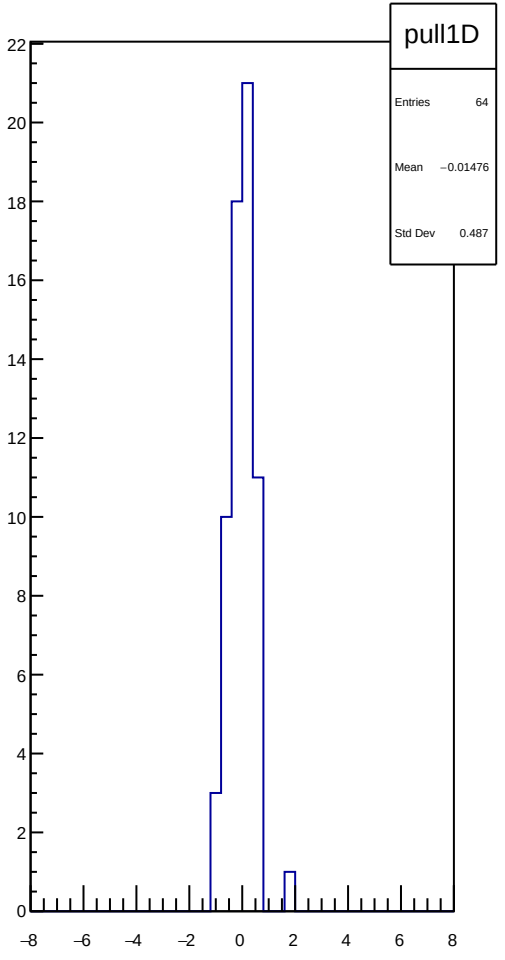

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.38 / 63
p0 452.6 ± 11.89
700
600
500
400
300
200
pull
Entries 64
Mean 136.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

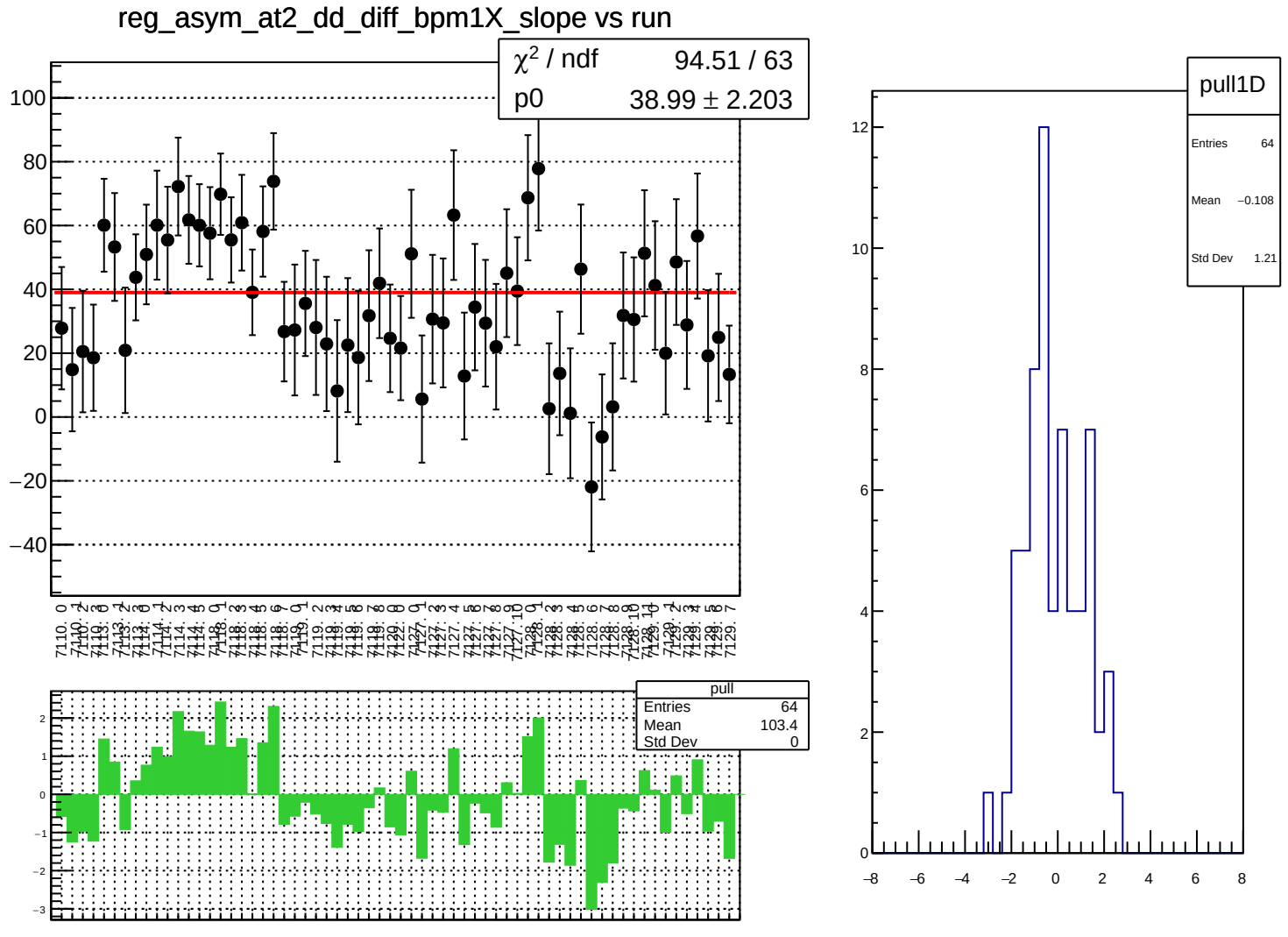

pull1D
Entries 64
Mean 0.07329
Std Dev 0.9441
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

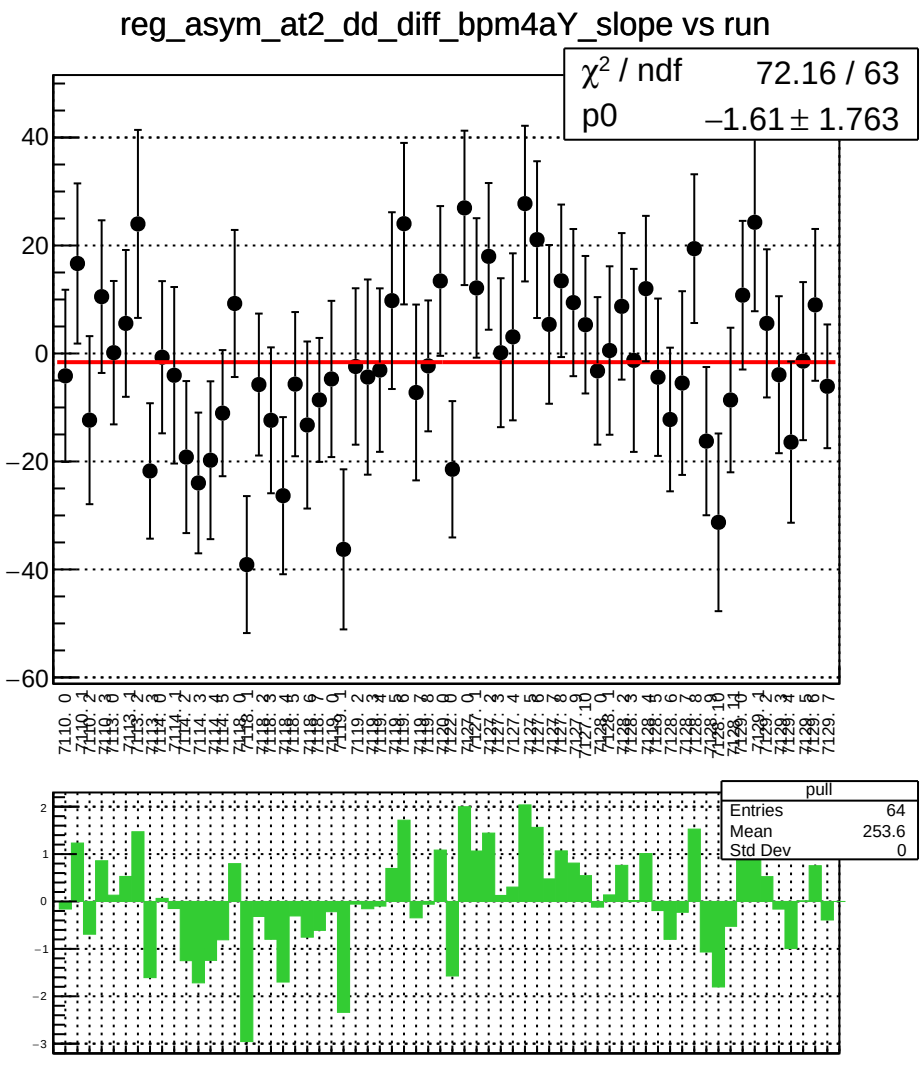

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.6 / 63
p0 171.1 ± 9.923
pull
Entries 64
Mean −204.9
Std Dev 0

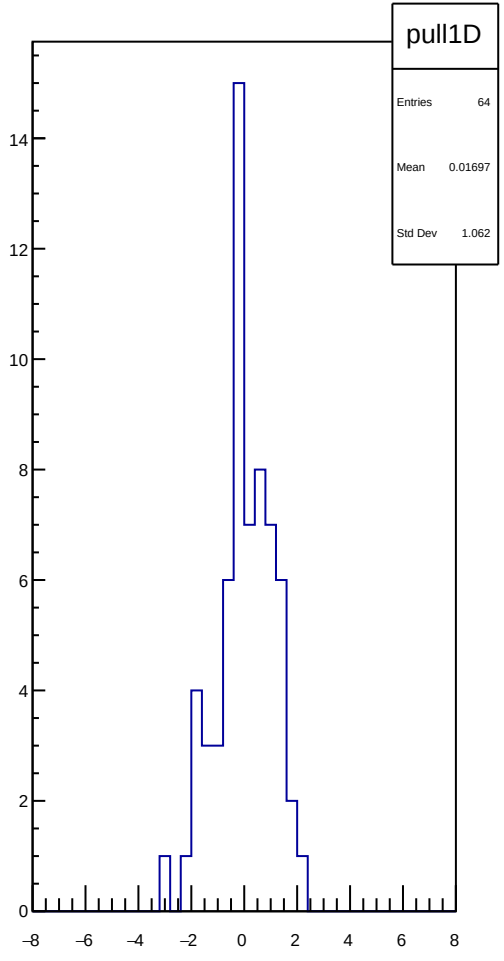

pull1D
Entries 64
Mean 0.02396
Std Dev 0.5385

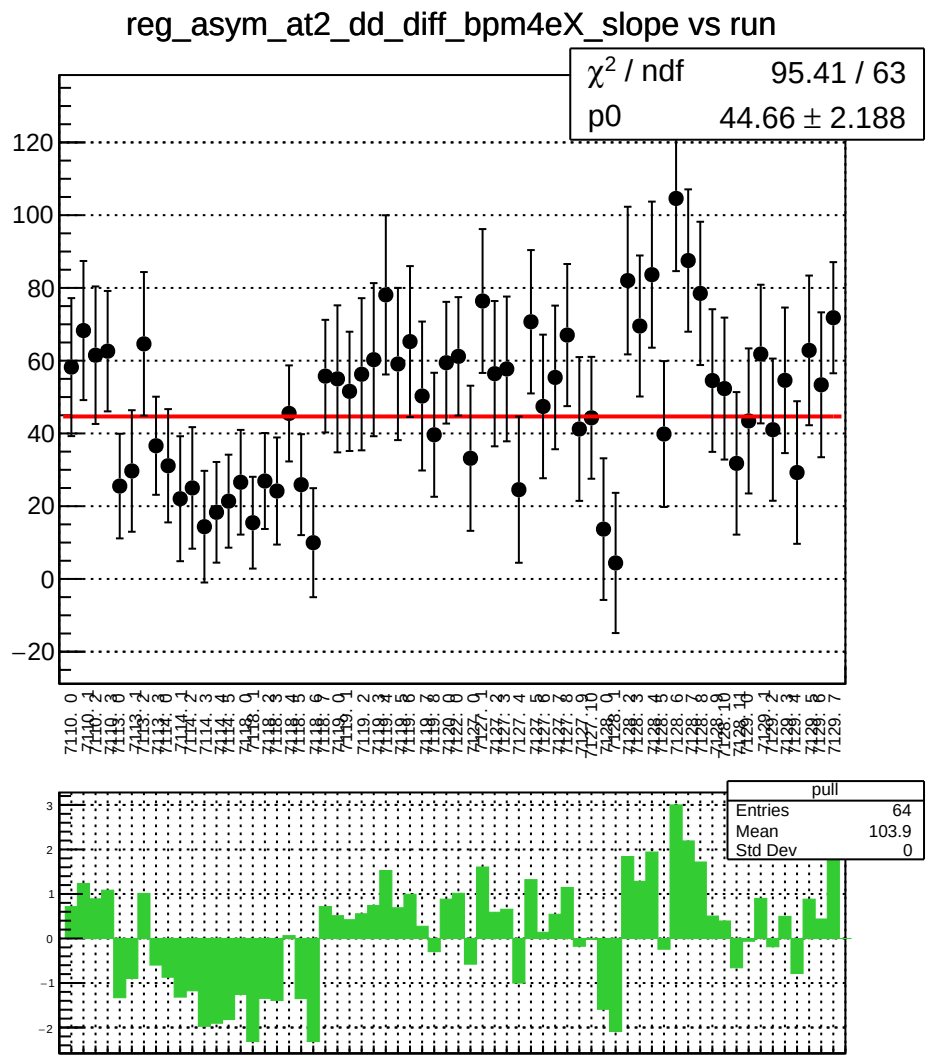

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.2 / 63
p0 −267.3 ± 0.4426
pull
Entries 64
Mean −285.8
Std Dev 0

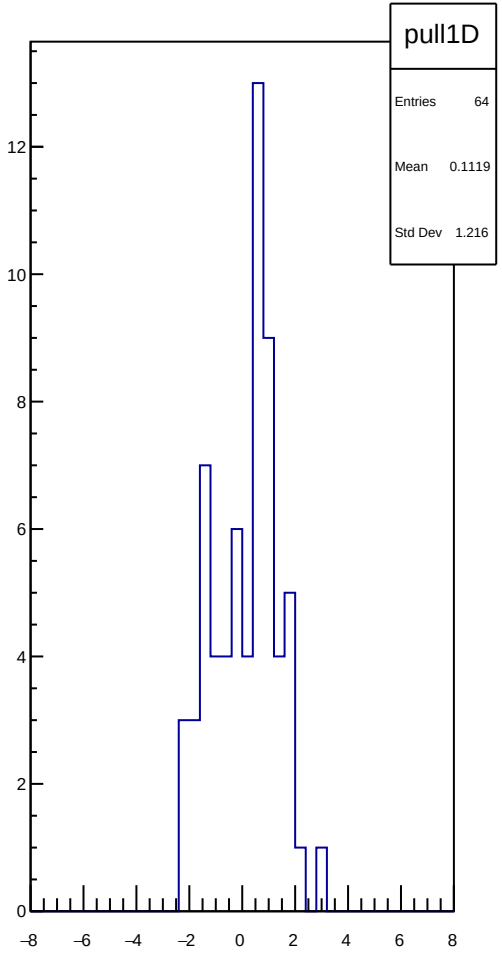

pull1D
Entries 64
Mean −0.01476
Std Dev 0.487

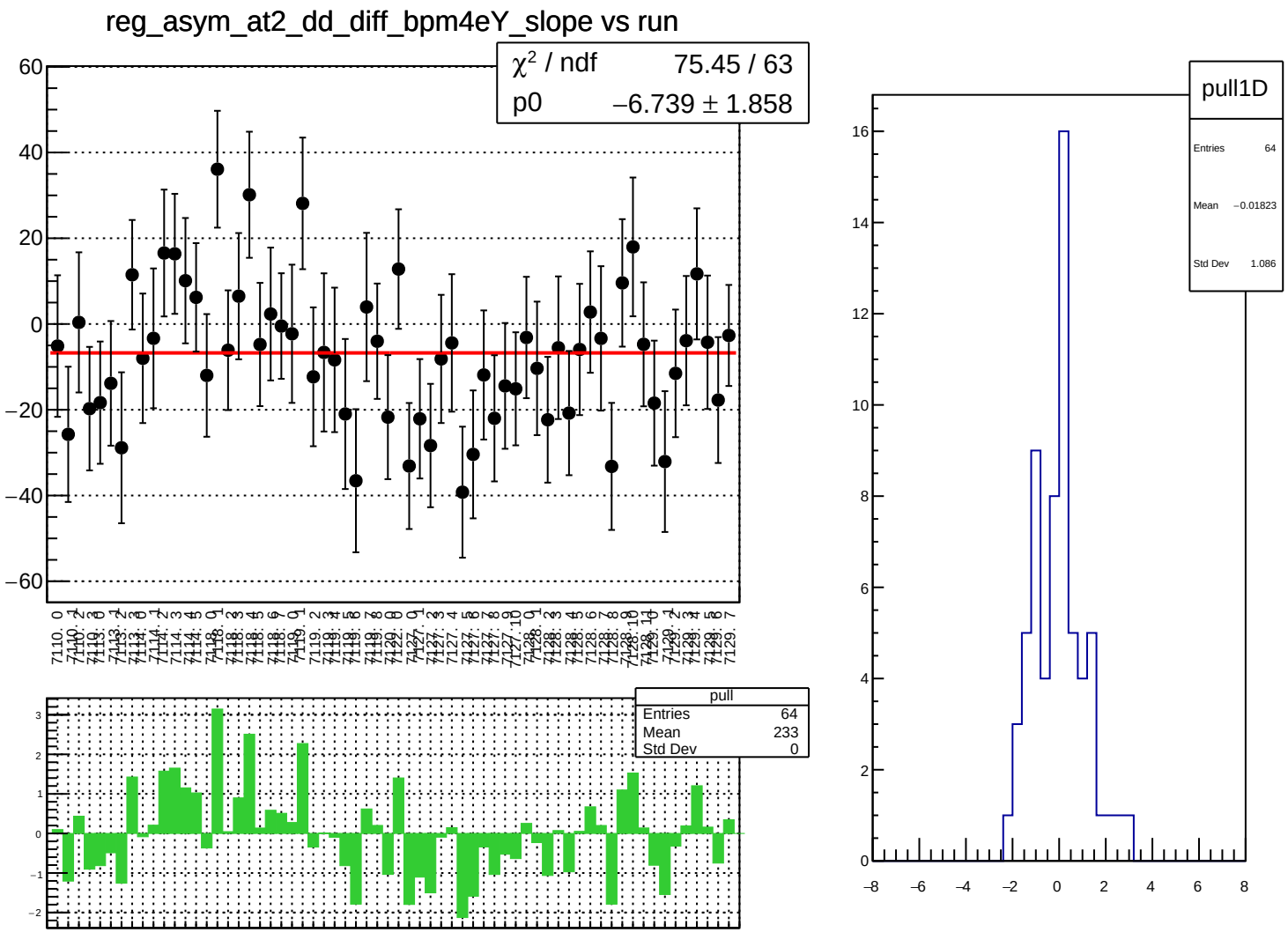

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 94.51 / 63
p0 38.99 ± 2.203
pull
Entries 64
Mean 103.4
Std Dev 0
pull1D
Entries 64
Mean −0.108
Std Dev 1.21

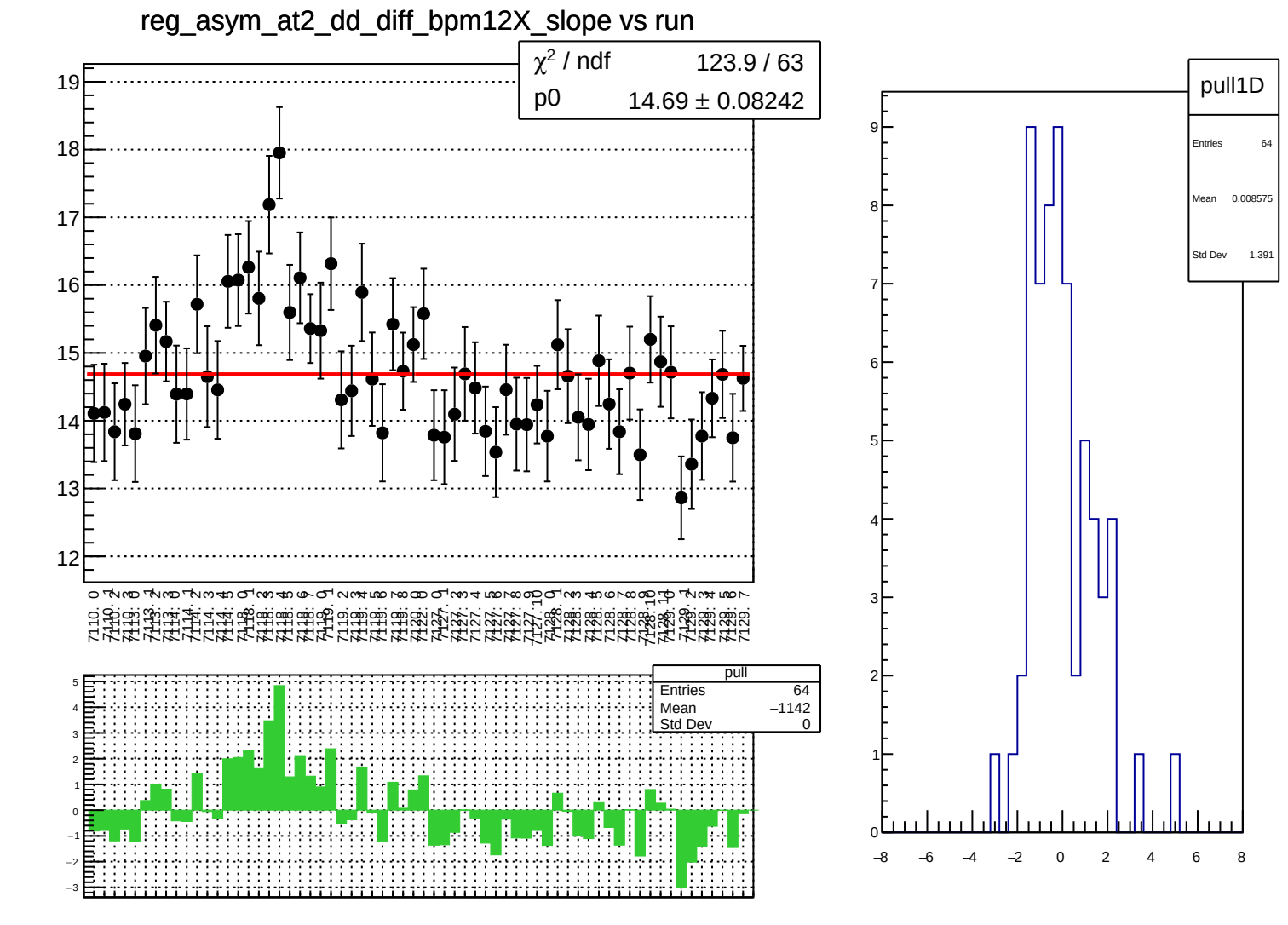

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.16 / 63
p0 −1.61 ± 1.763
pull
Entries 64
Mean 253.6
Std Dev 0

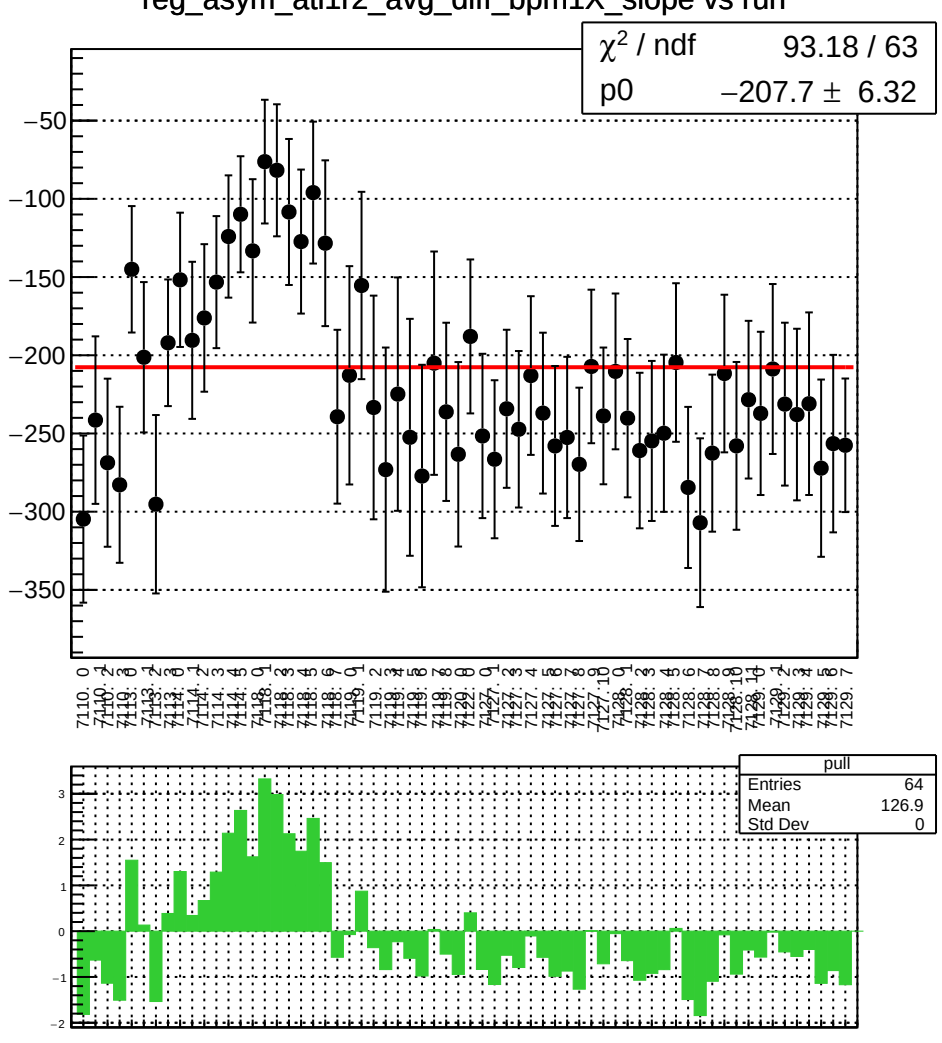

pull1D
Entries 64
Mean 0.01697
Std Dev 1.062

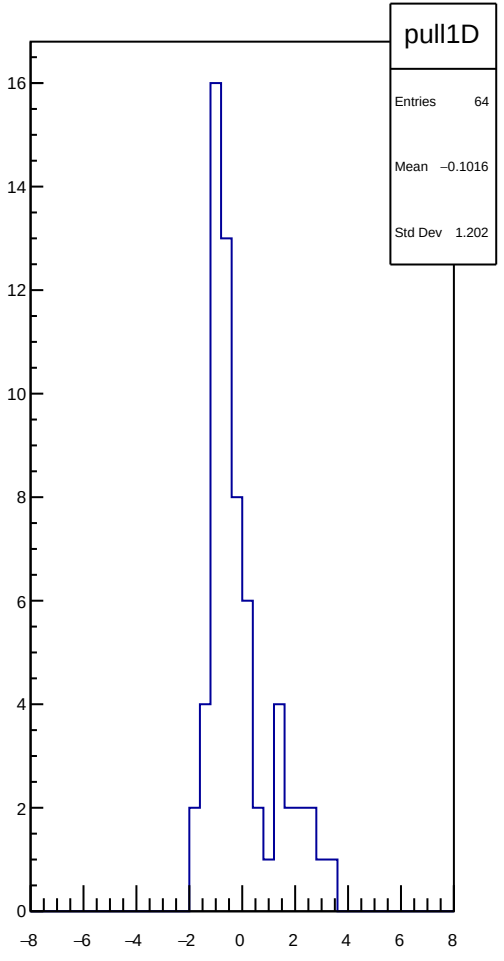

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.41 / 63
p0 44.66 ± 2.188
pull
Entries 64
Mean 103.9
Std Dev 0

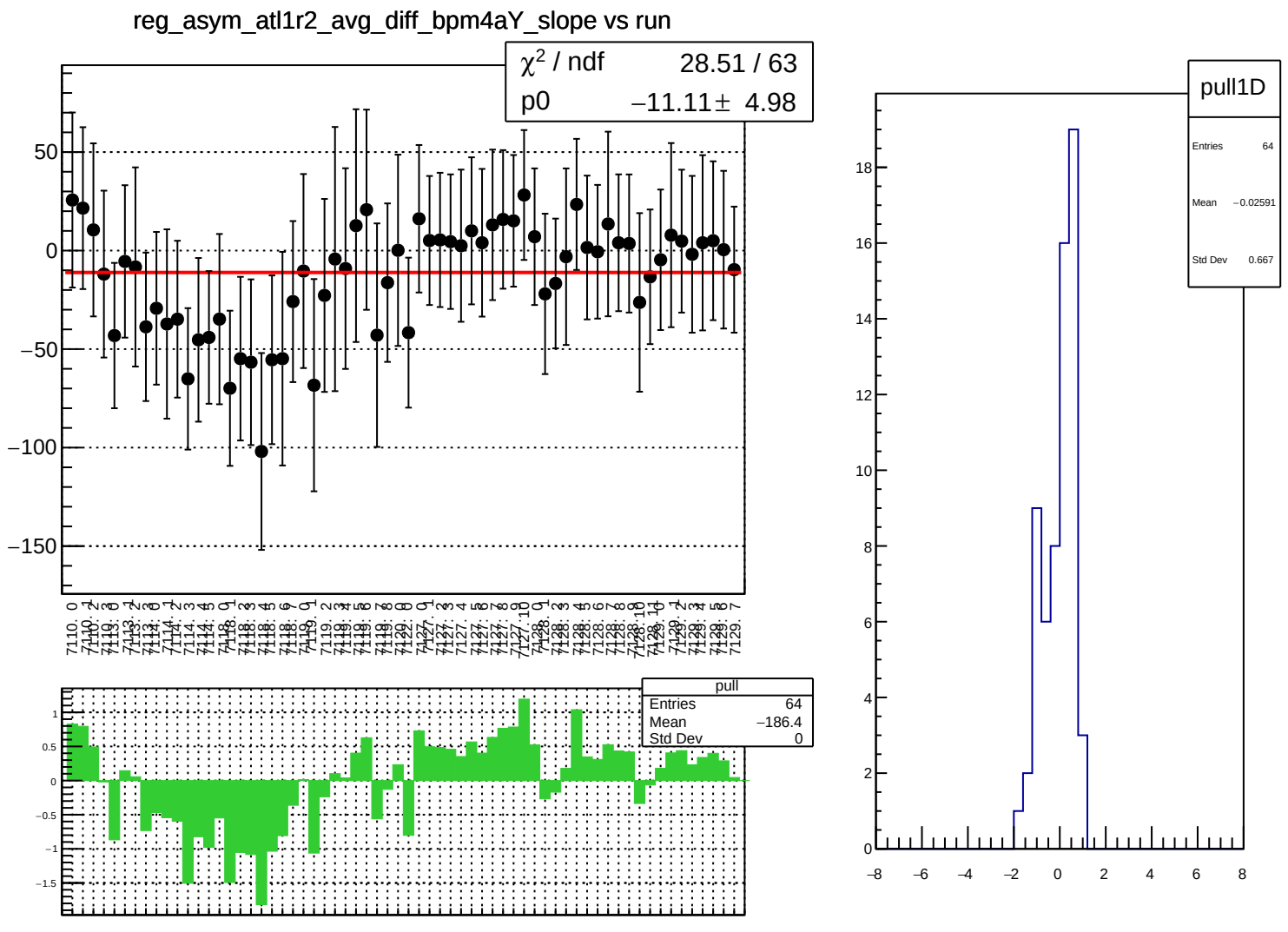

pull1D
Entries 64
Mean 0.1119
Std Dev 1.216

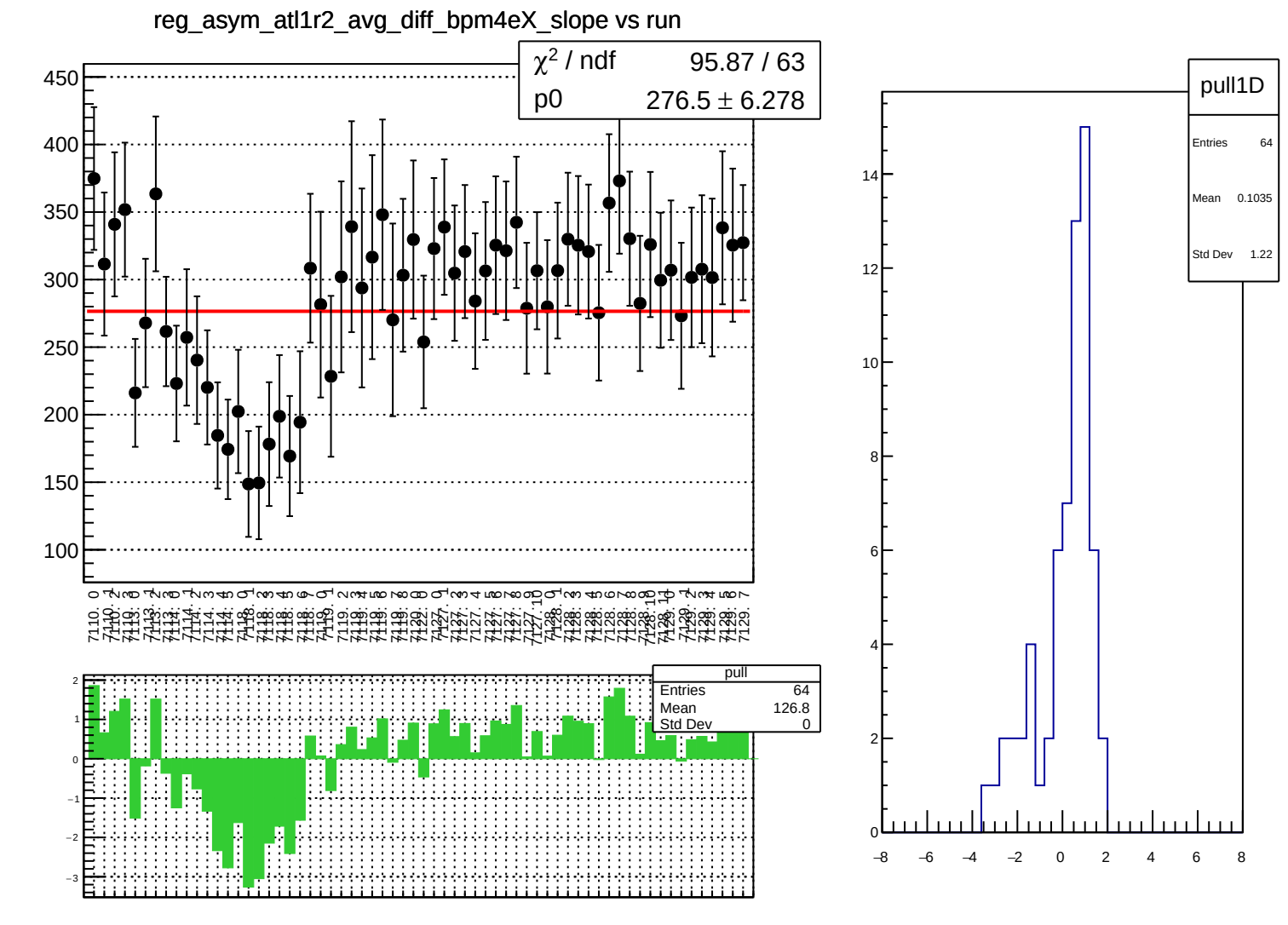

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.45 / 63
p0 −6.739 ± 1.858
pull
Entries 64
Mean 233
Std Dev 0
pull1D
Entries 64
Mean −0.01823
Std Dev 1.086

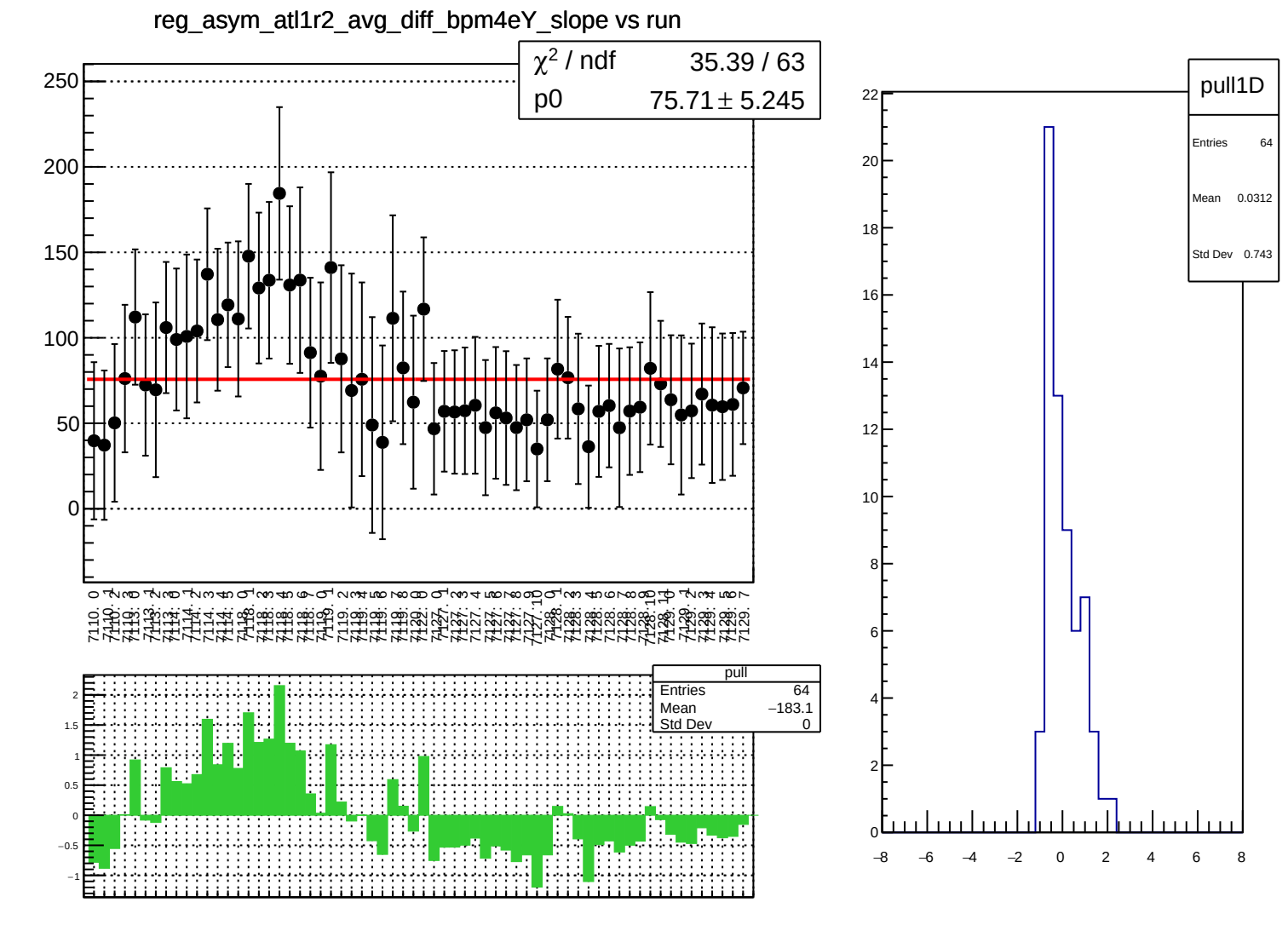

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 123.9 / 63
p0 14.69 ± 0.08242
pull
Entries 64
Mean −1142
Std Dev 0
pull1D
Entries 64
Mean 0.008575
Std Dev 1.391

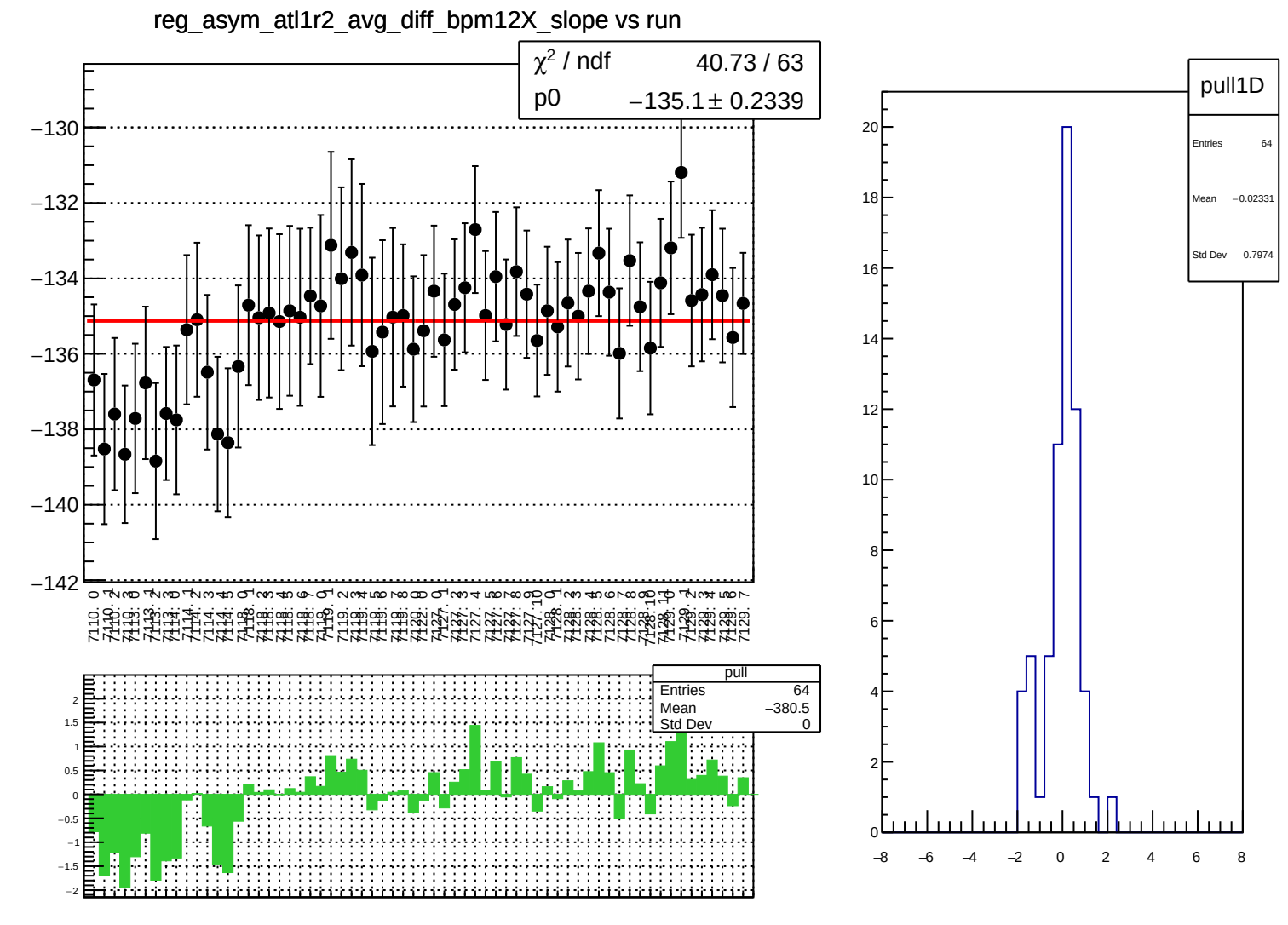

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 93.18 / 63
p0 −207.7 ± 6.32
pull
Entries 64
Mean 126.9
Std Dev 0

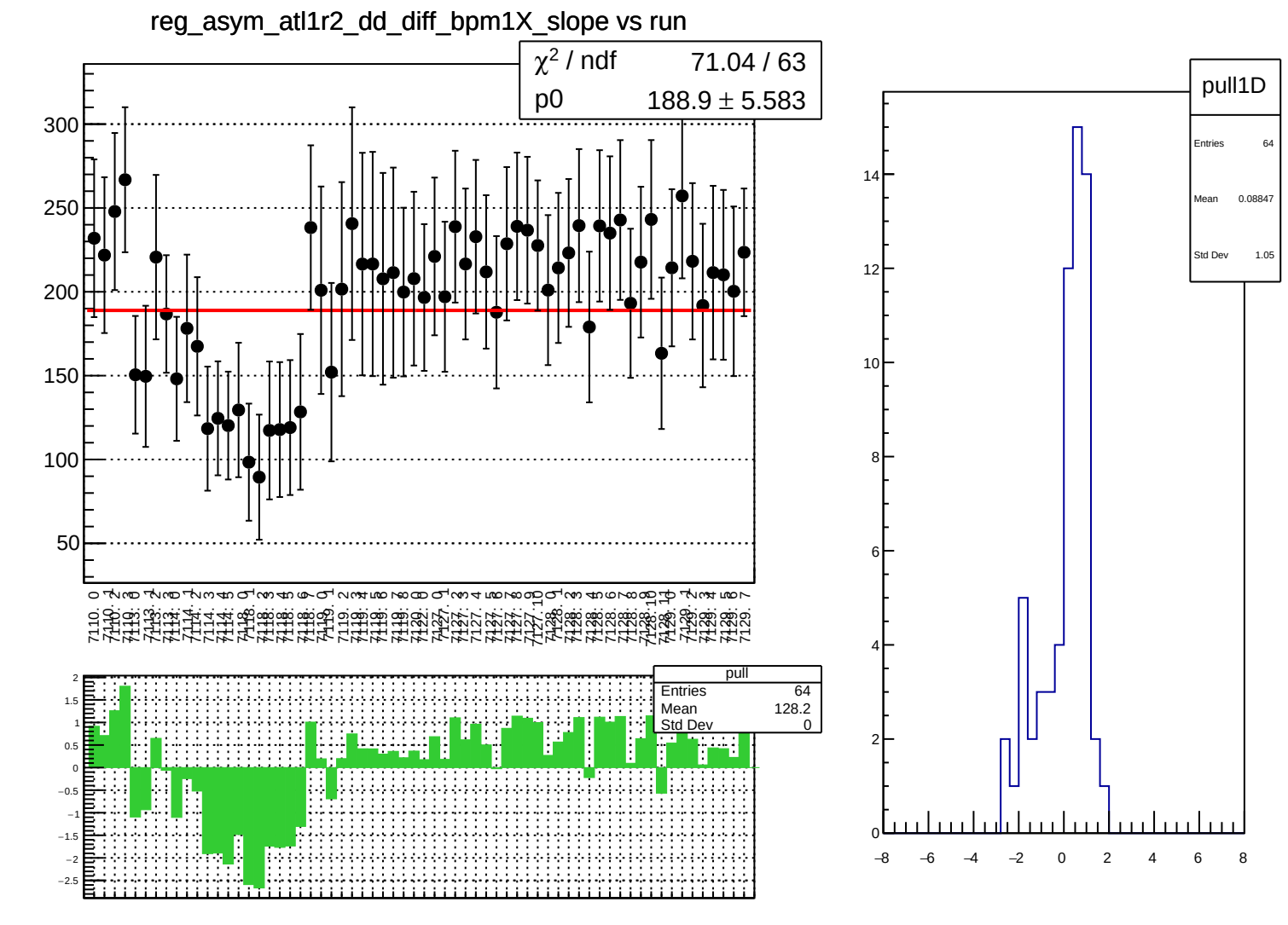

pull1D
Entries 64
Mean −0.1016
Std Dev 1.202

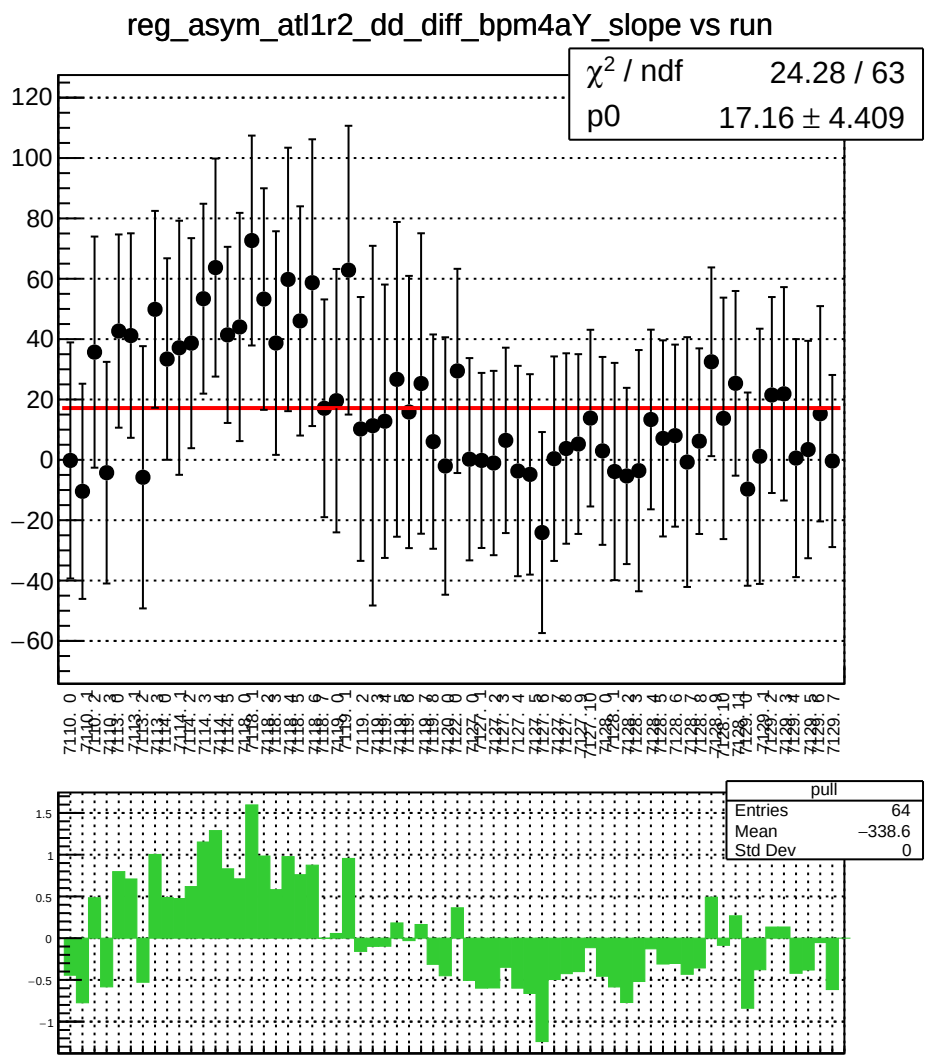

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.51 / 63
p0 −11.11 ± 4.98
pull
Entries 64
Mean −186.4
Std Dev 0
pull1D
Entries 64
Mean −0.02591
Std Dev 0.667

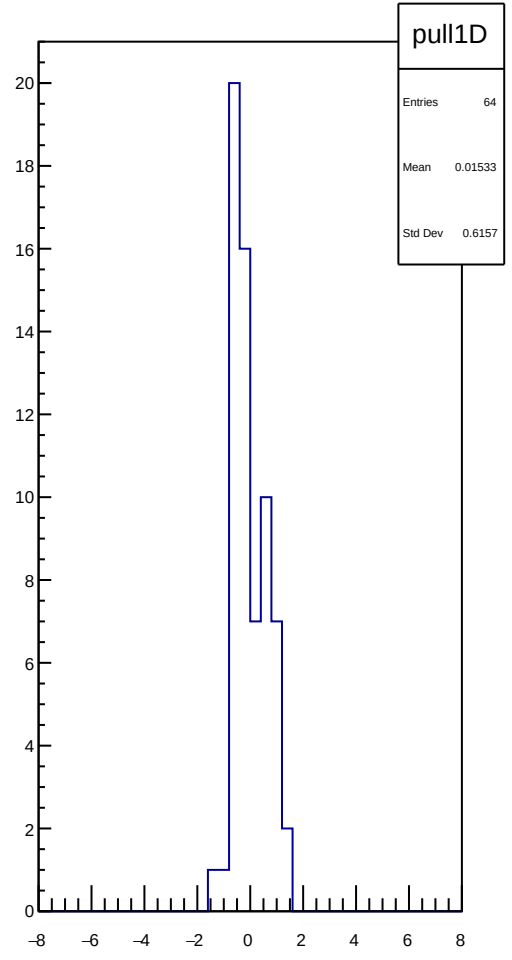

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 95.87 / 63
p0 276.5 ± 6.278
pull
Entries 64
Mean 126.8
Std Dev 0
pull1D
Entries 64
Mean 0.1035
Std Dev 1.22

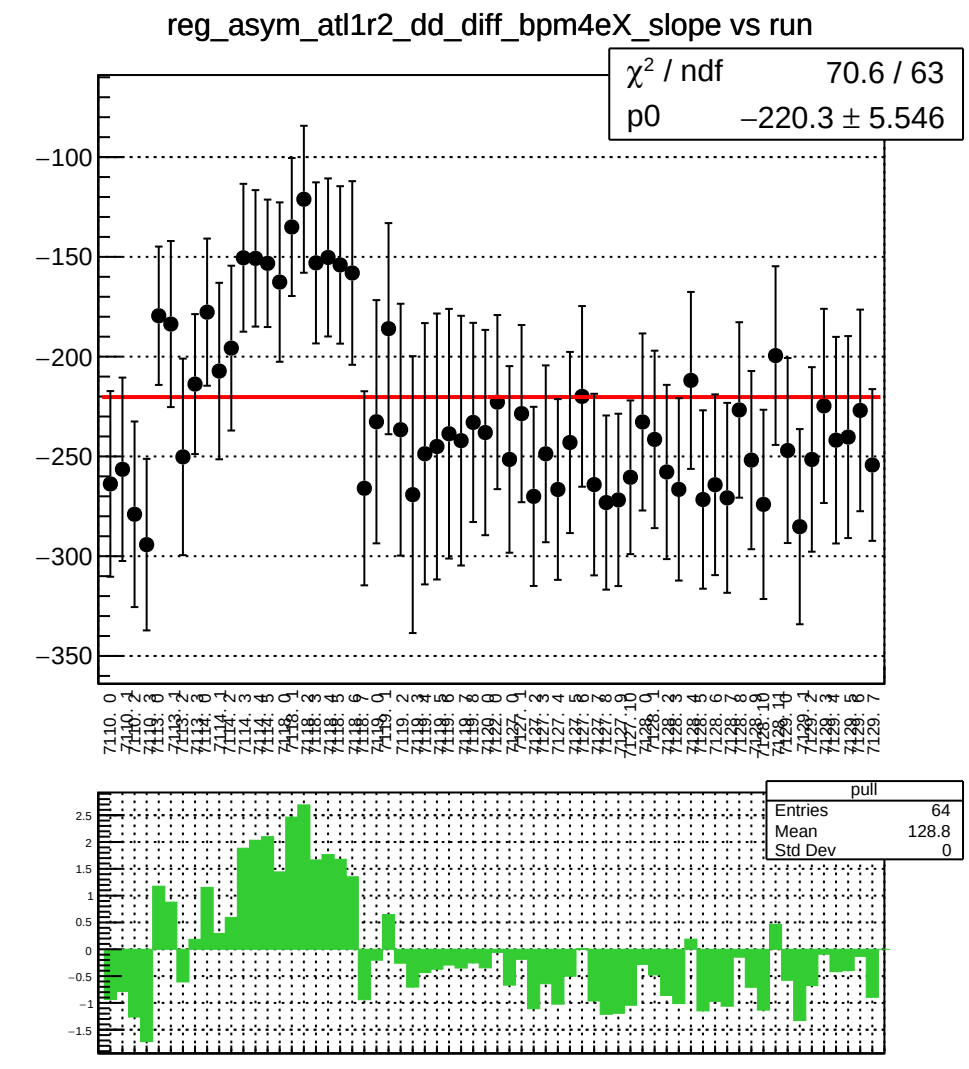

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.39 / 63
p0 75.71 ± 5.245
pull
Entries 64
Mean −183.1
Std Dev 0
pull1D
Entries 64
Mean 0.0312
Std Dev 0.743

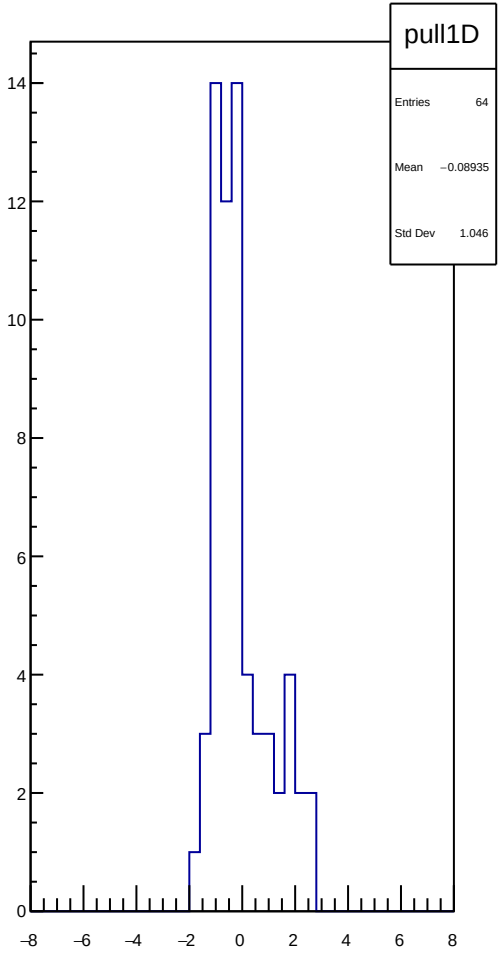

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 40.73 / 63
p0 −135.1 ± 0.2339
pull
Entries 64
Mean −380.5
Std Dev 0
pull1D
Entries 64
Mean −0.02331
Std Dev 0.7974

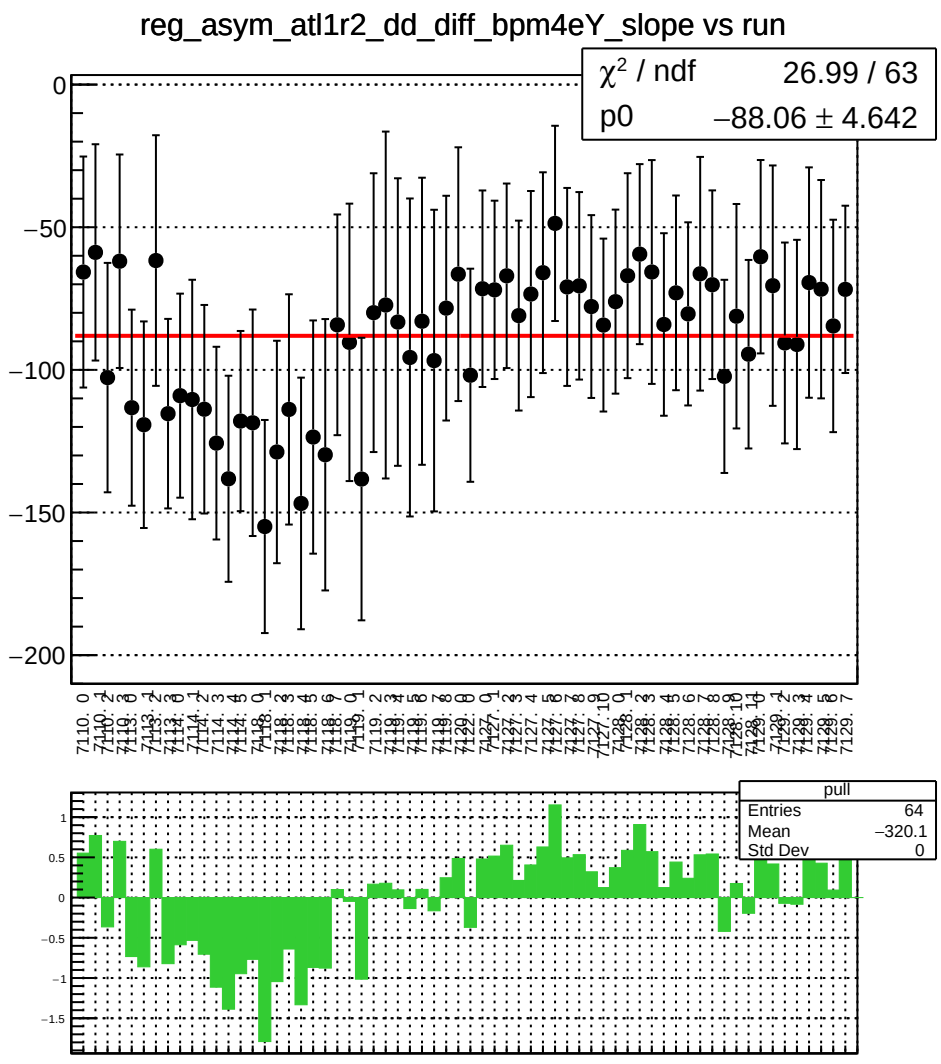

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 71.04 / 63
p0 188.9 ± 5.583
pull
Entries 64
Mean 128.2
Std Dev 0
pull1D
Entries 64
Mean 0.08847
Std Dev 1.05

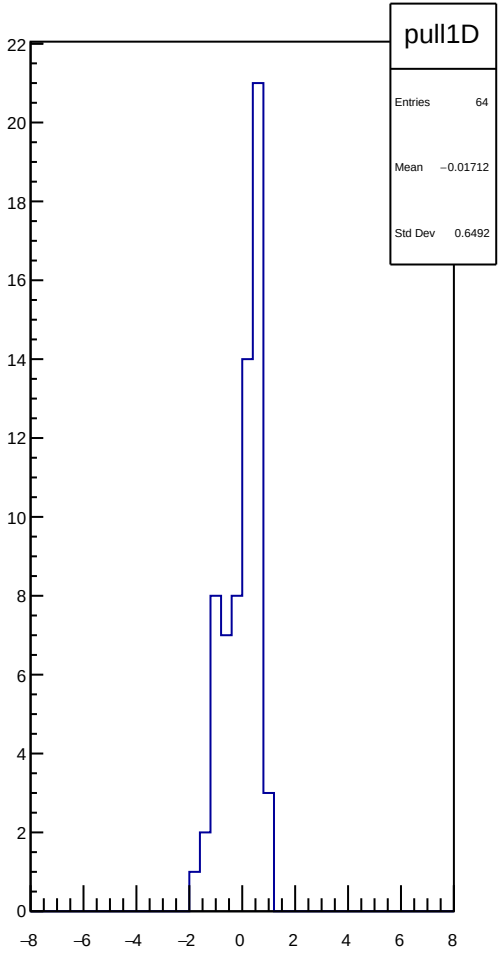

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.28 / 63
p0 17.16 ± 4.409
pull
Entries 64
Mean −338.6
Std Dev 0

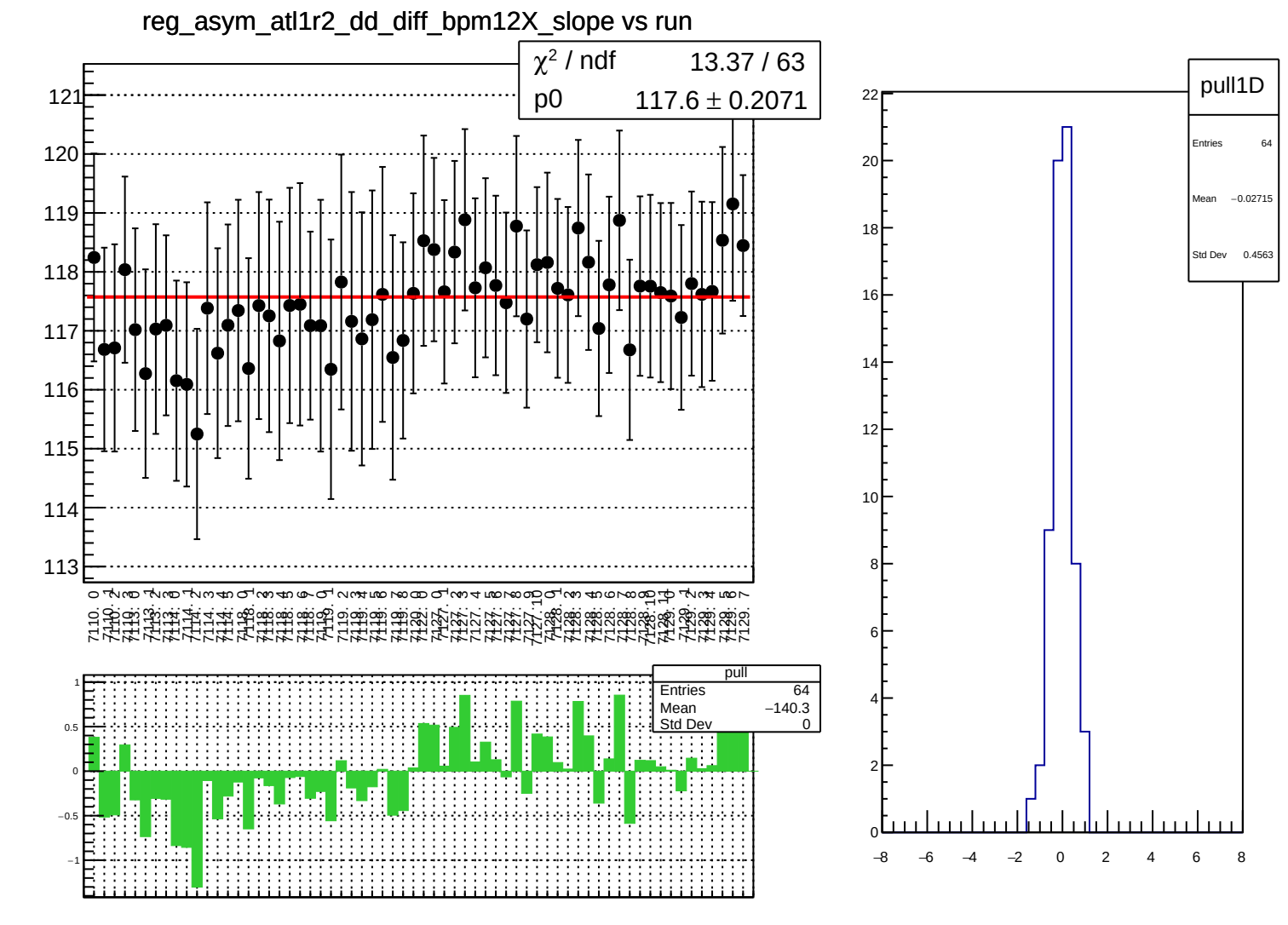

pull1D
Entries 64
Mean 0.01533
Std Dev 0.6157

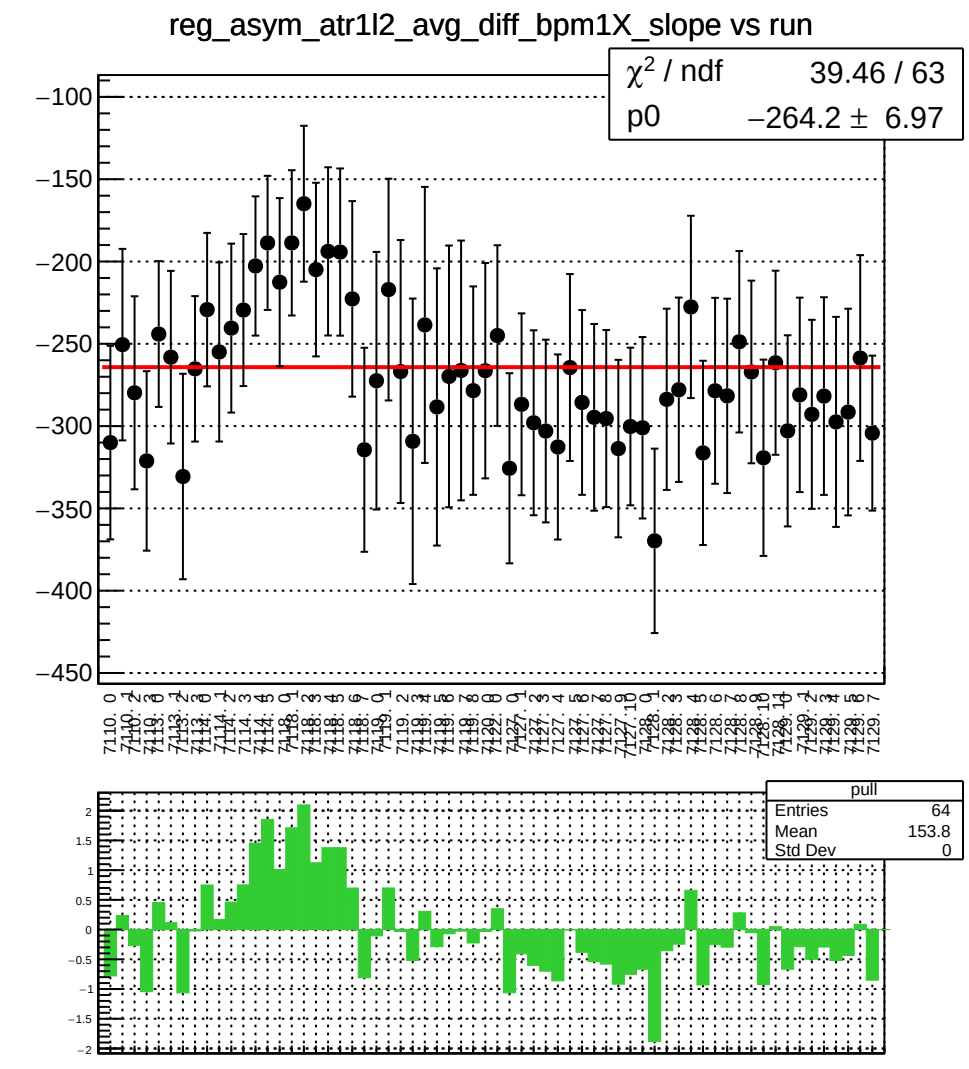

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.6 / 63
p0 −220.3 ± 5.546
pull
Entries 64
Mean 128.8
Std Dev 0

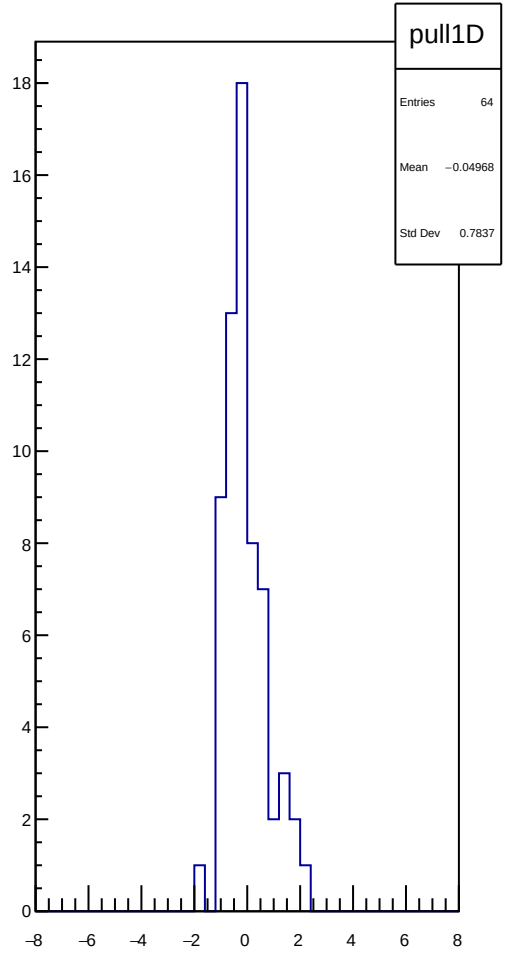

pull1D
Entries 64
Mean −0.08935
Std Dev 1.046

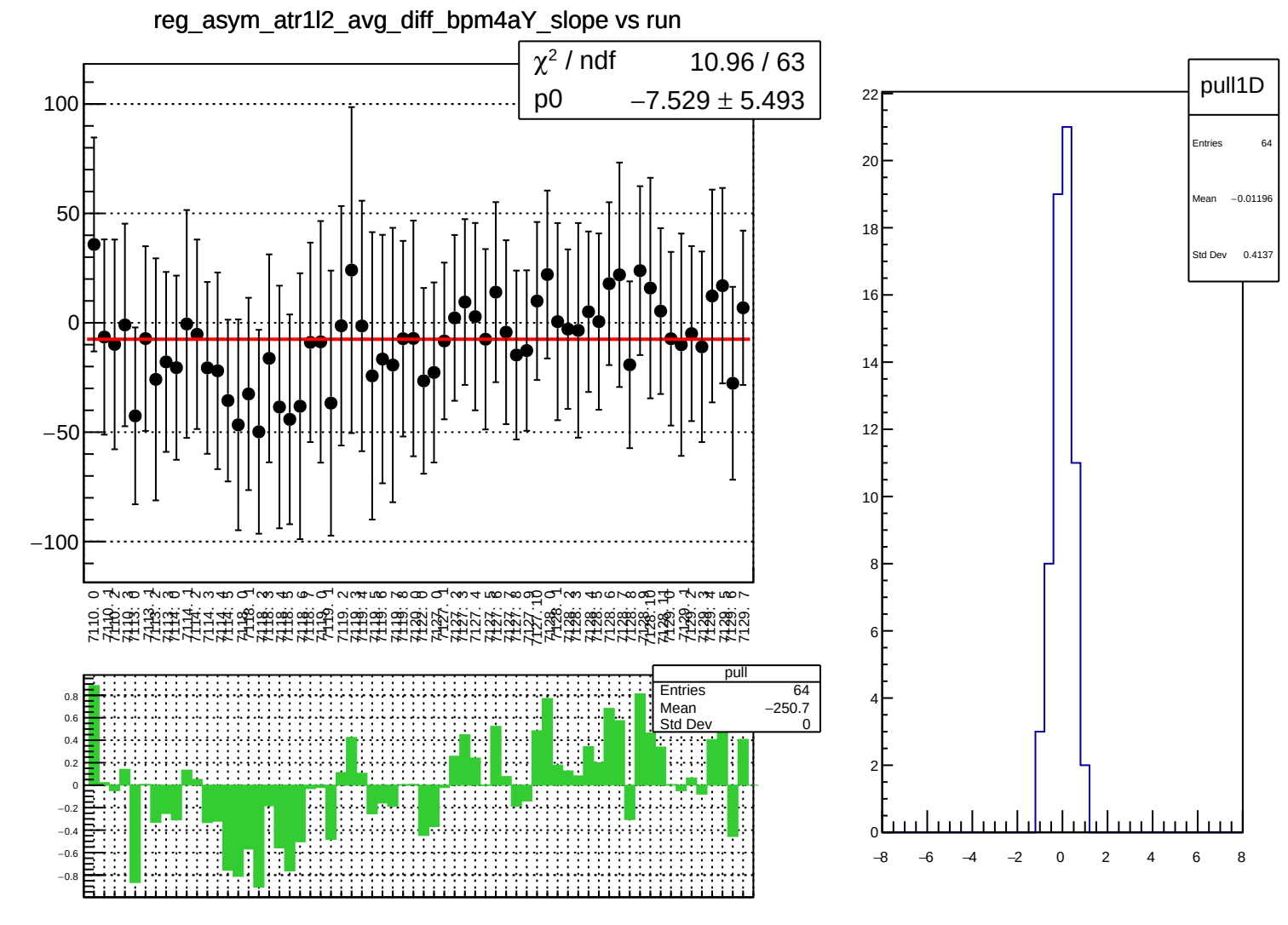

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.99 / 63
p0 −88.06 ± 4.642
pull
Entries 64
Mean −320.1
Std Dev 0

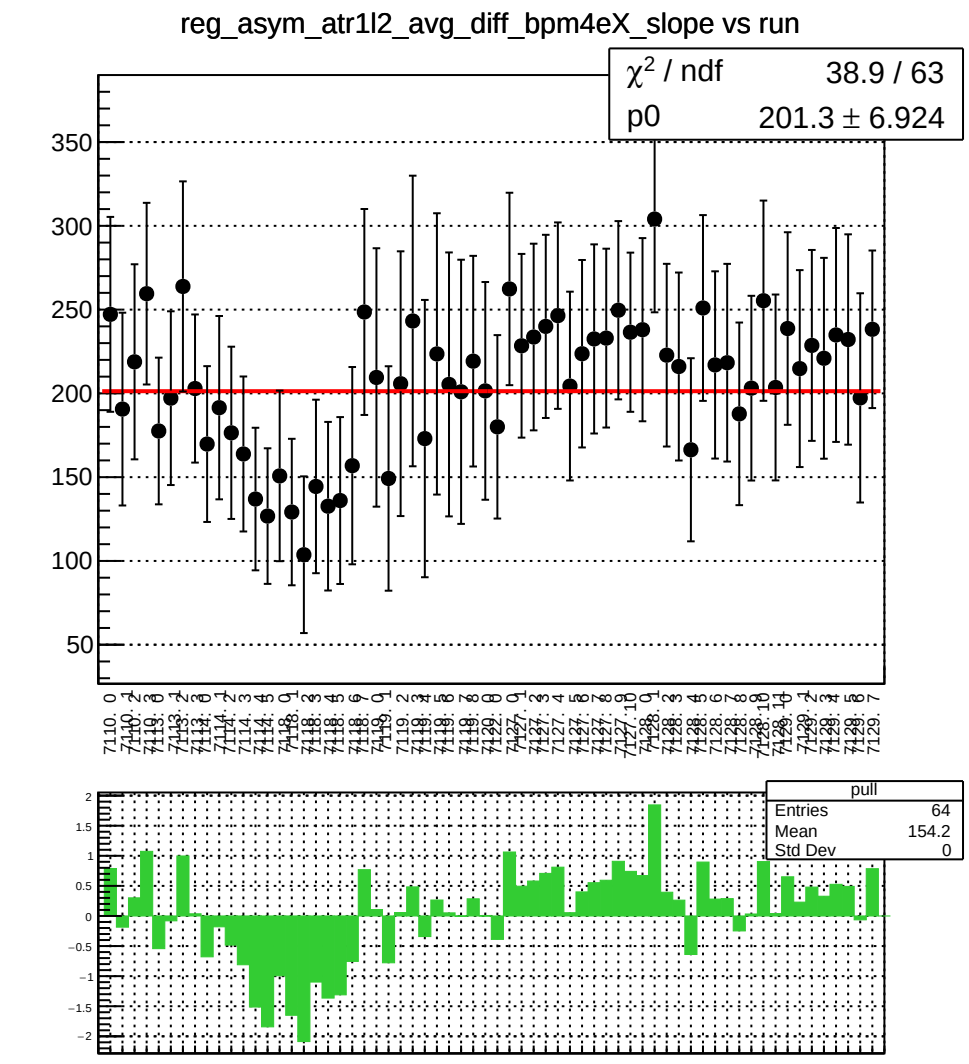

pull1D
Entries 64
Mean −0.01712
Std Dev 0.6492

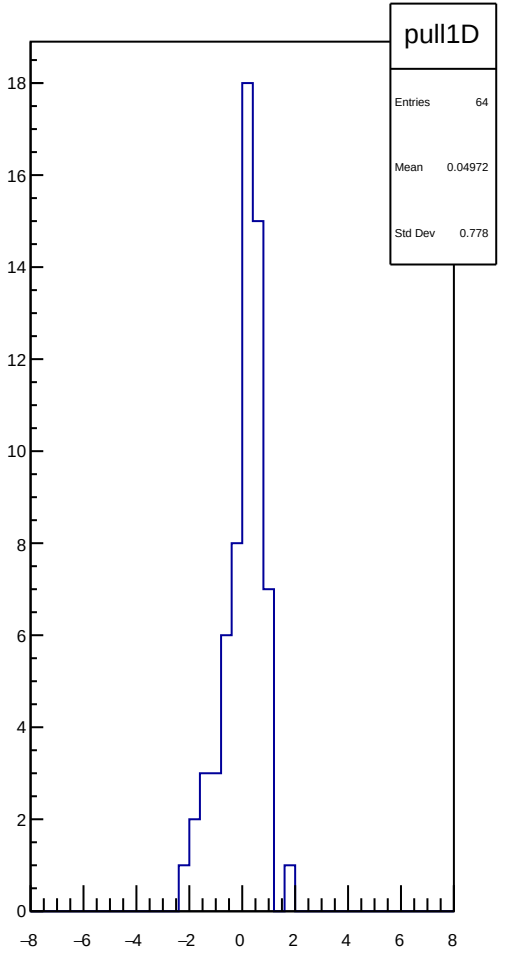

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.37 / 63
p0 117.6 ± 0.2071
pull
Entries 64
Mean −140.3
Std Dev 0
pull1D
Entries 64
Mean −0.02715
Std Dev 0.4563

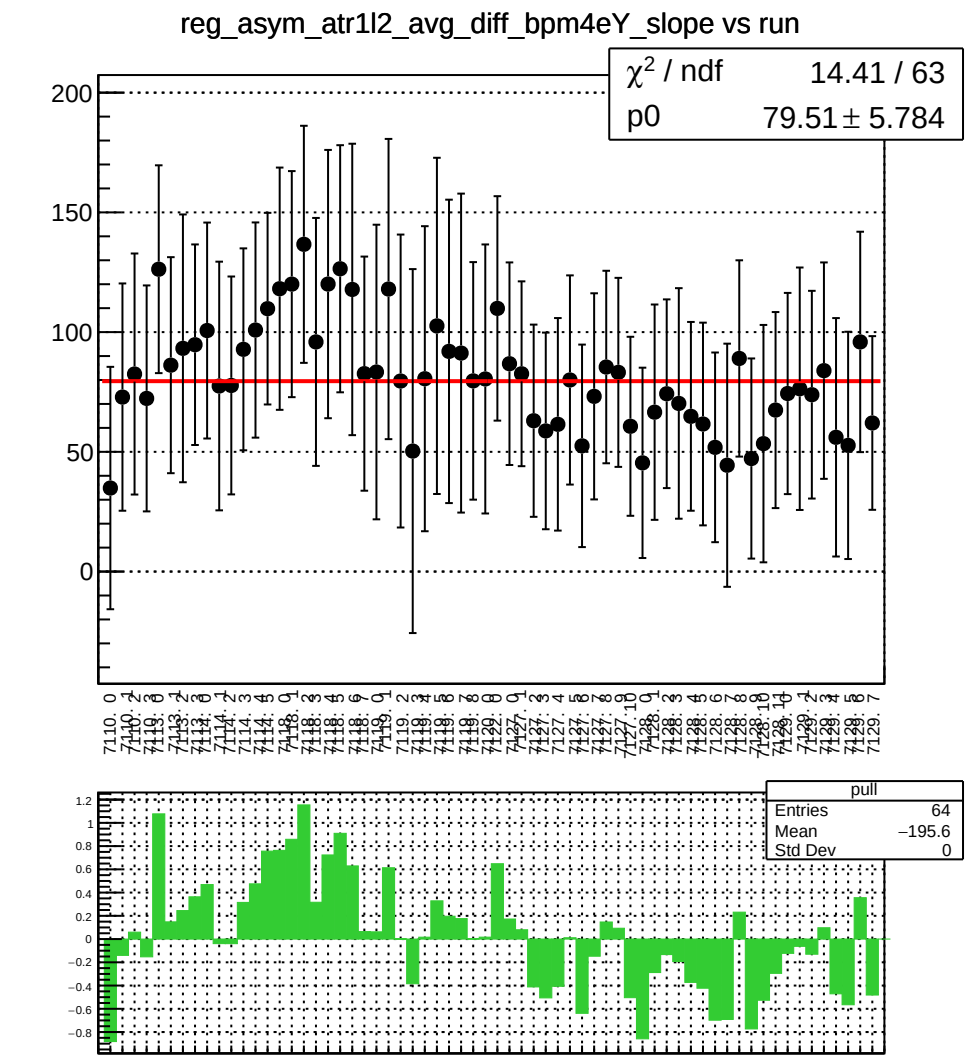

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 39.46 / 63
p0 −264.2 ± 6.97
pull
Entries 64
Mean 153.8
Std Dev 0

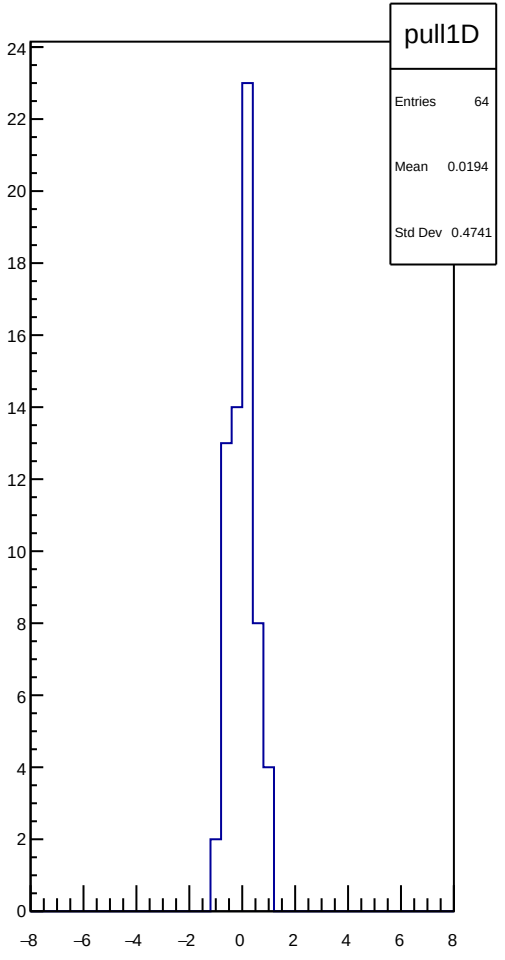

pull1D
Entries 64
Mean −0.04968
Std Dev 0.7837

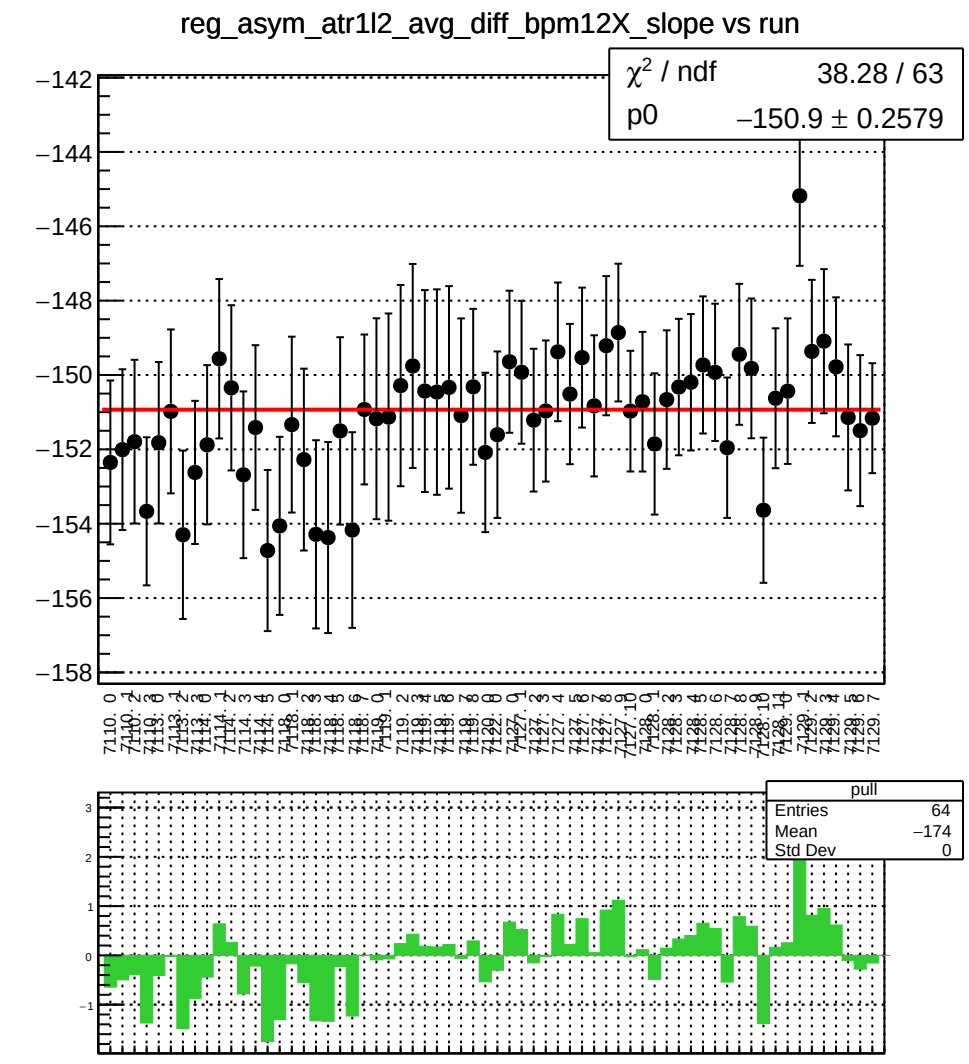

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.96 / 63
p0 −7.529 ± 5.493
pull
Entries 64
Mean −250.7
Std Dev 0
pull1D
Entries 64
Mean −0.01196
Std Dev 0.4137

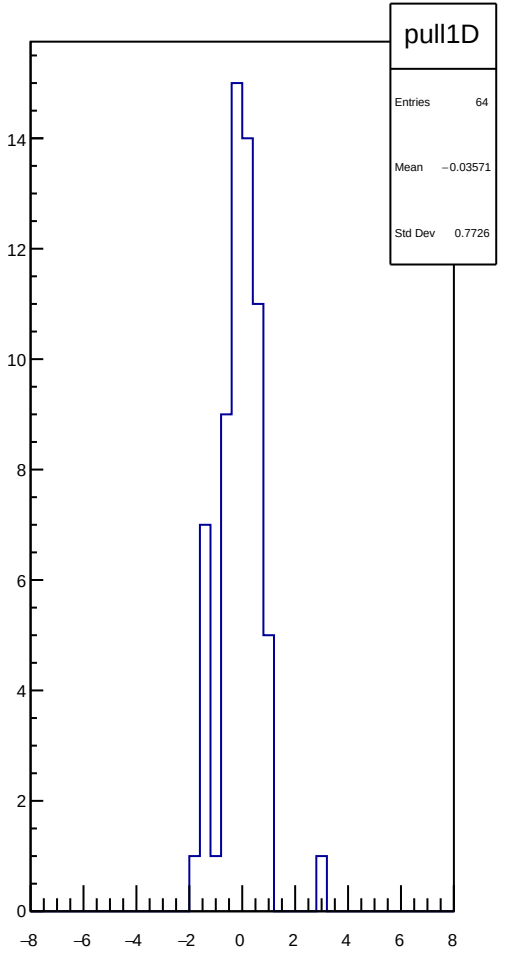

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.9 / 63
p0 201.3 ± 6.924
pull
Entries 64
Mean 154.2
Std Dev 0

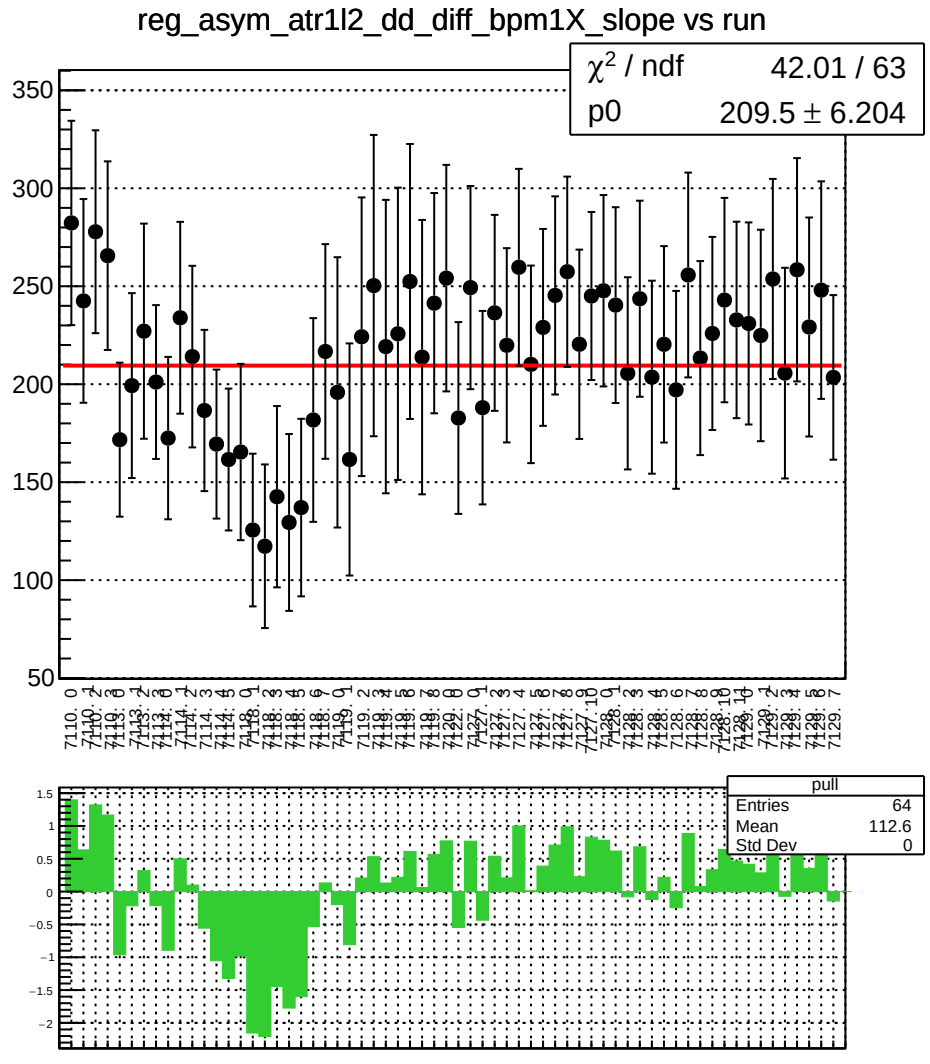

pull1D
Entries 64
Mean 0.04972
Std Dev 0.778

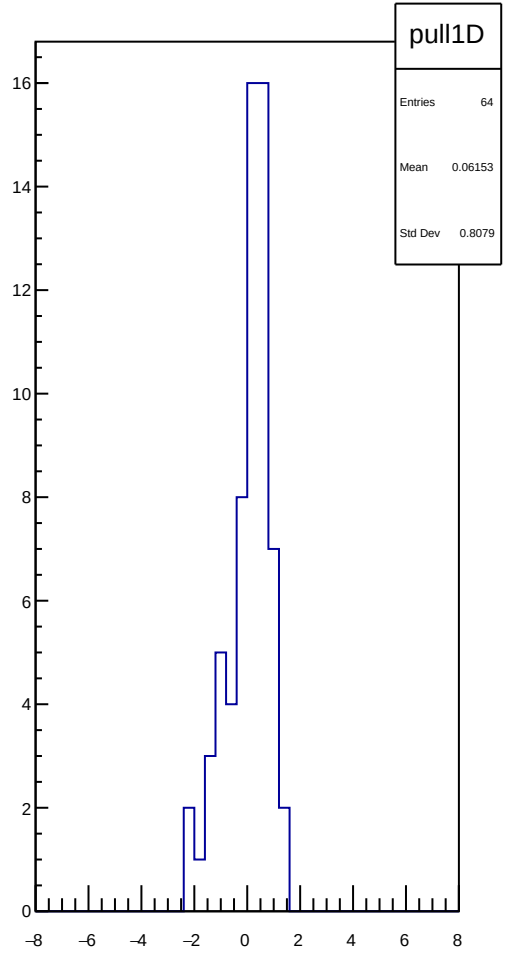

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.41 / 63
p0 79.51 ± 5.784
pull
Entries 64
Mean −195.6
Std Dev 0

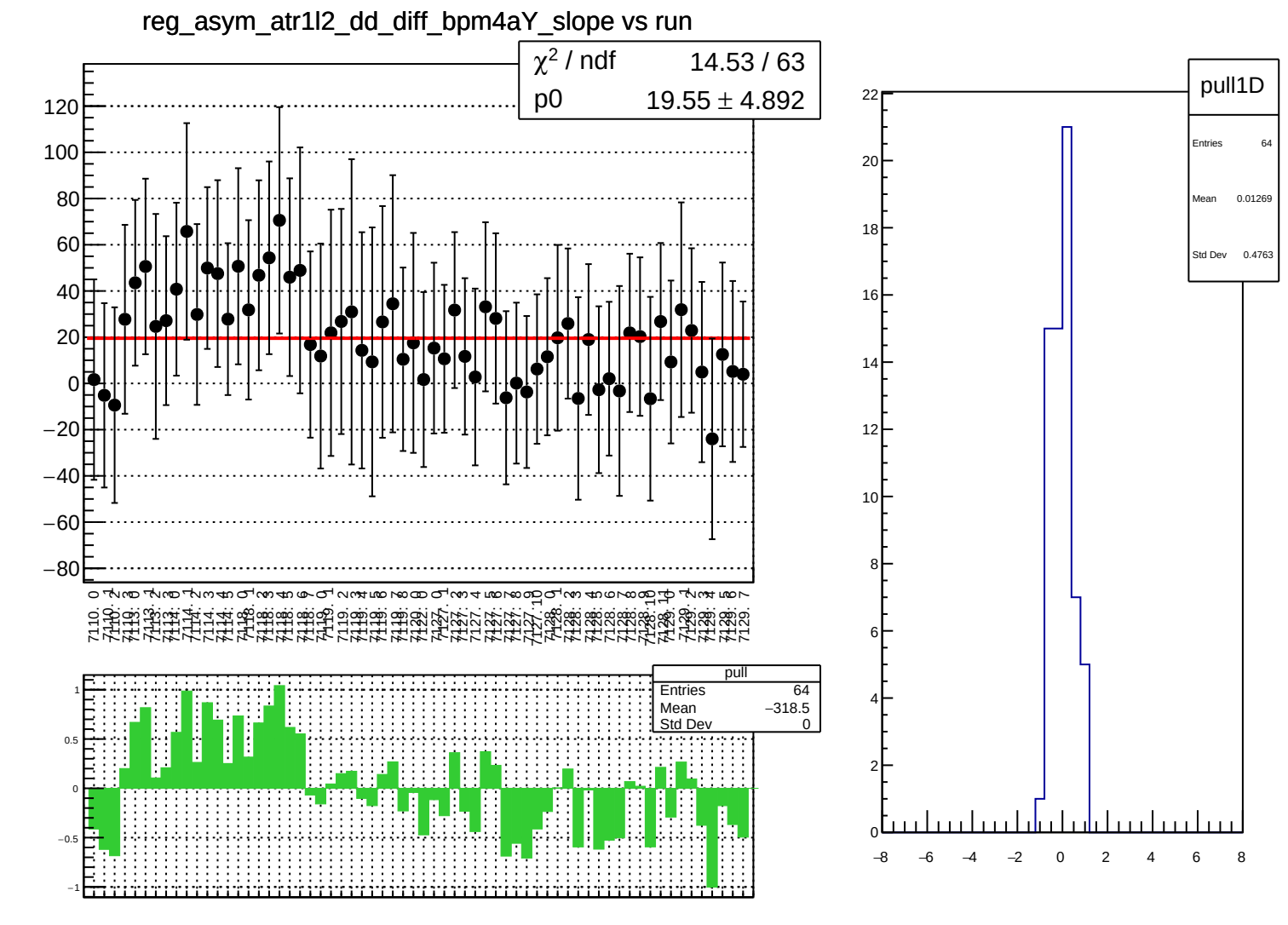

pull1D
Entries 64
Mean 0.0194
Std Dev 0.4741

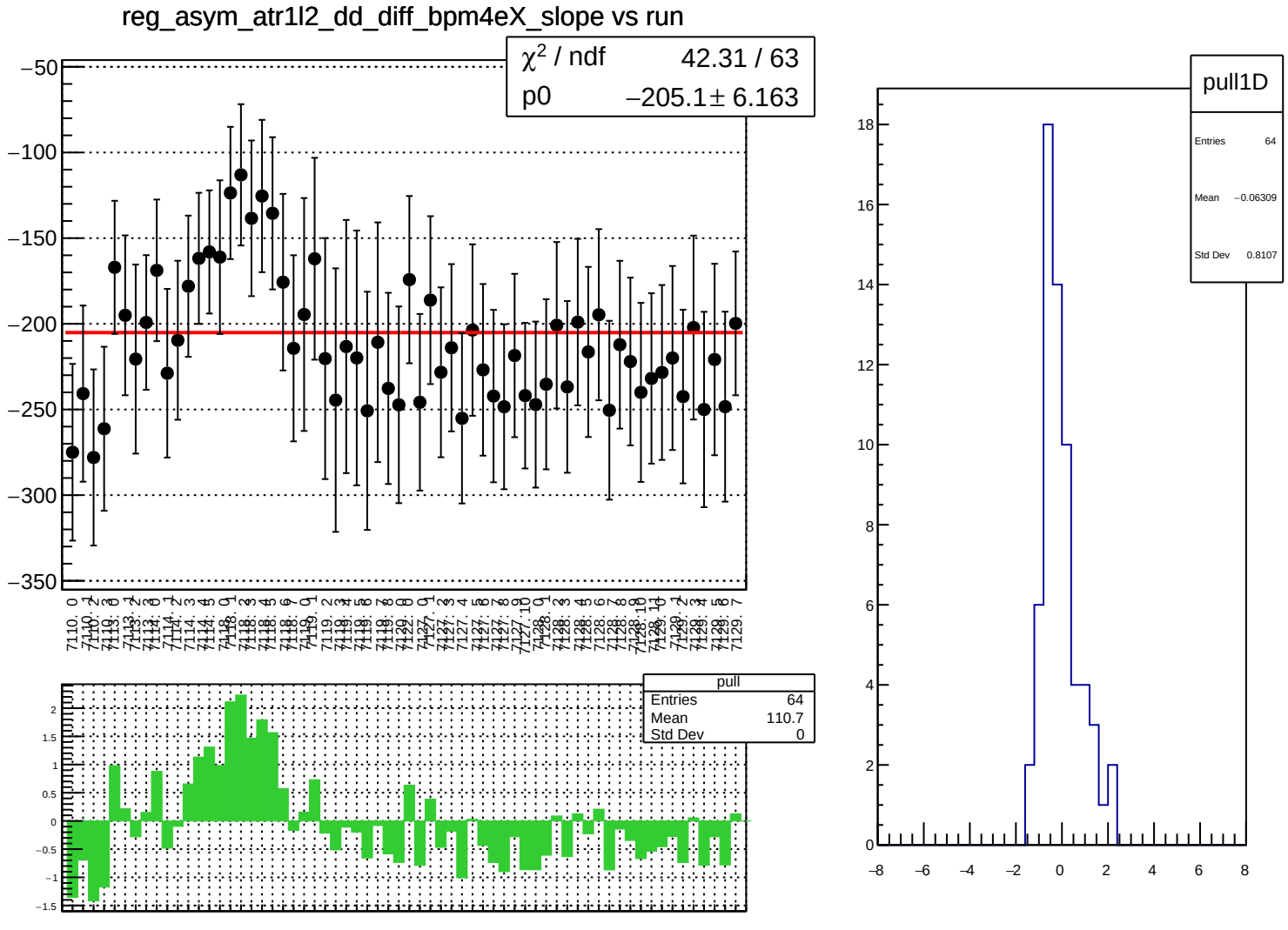

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 38.28 / 63
p0 −150.9 ± 0.2579
pull
Entries 64
Mean −174
Std Dev 0

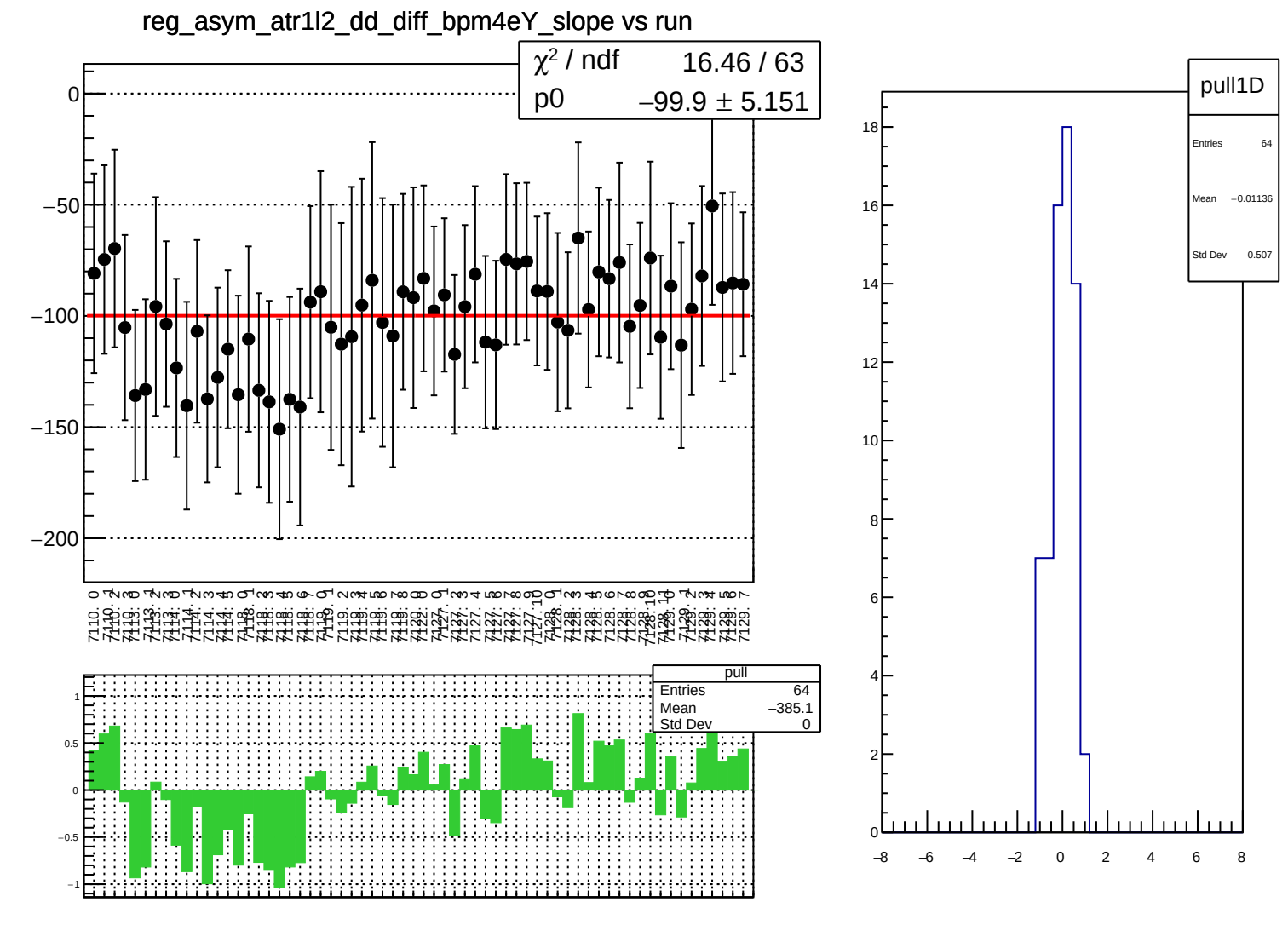

pull1D
Entries 64
Mean −0.03571
Std Dev 0.7726

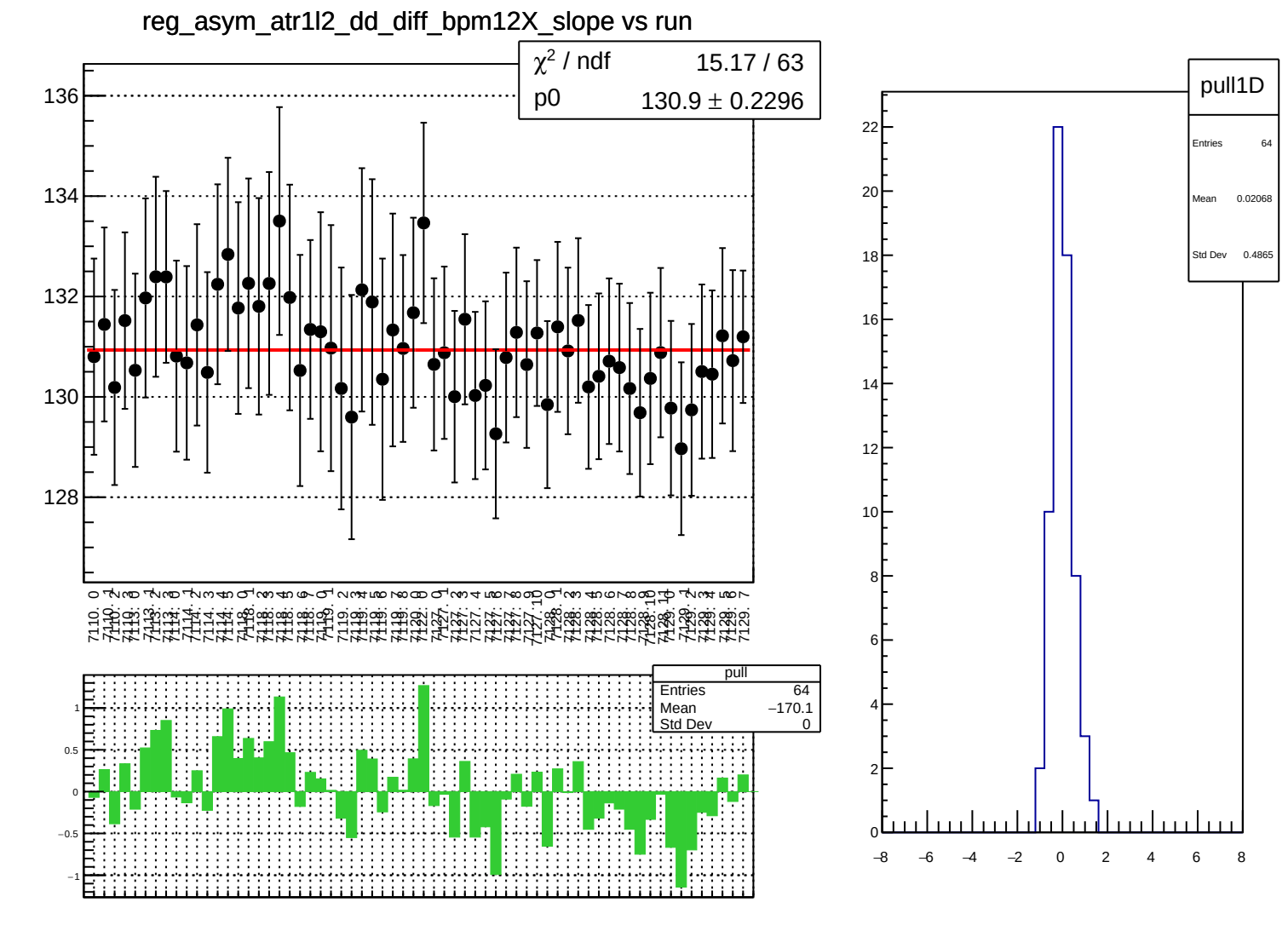

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 42.01 / 63
p0 209.5 ± 6.204
pull
Entries 64
Mean 112.6
Std Dev 0

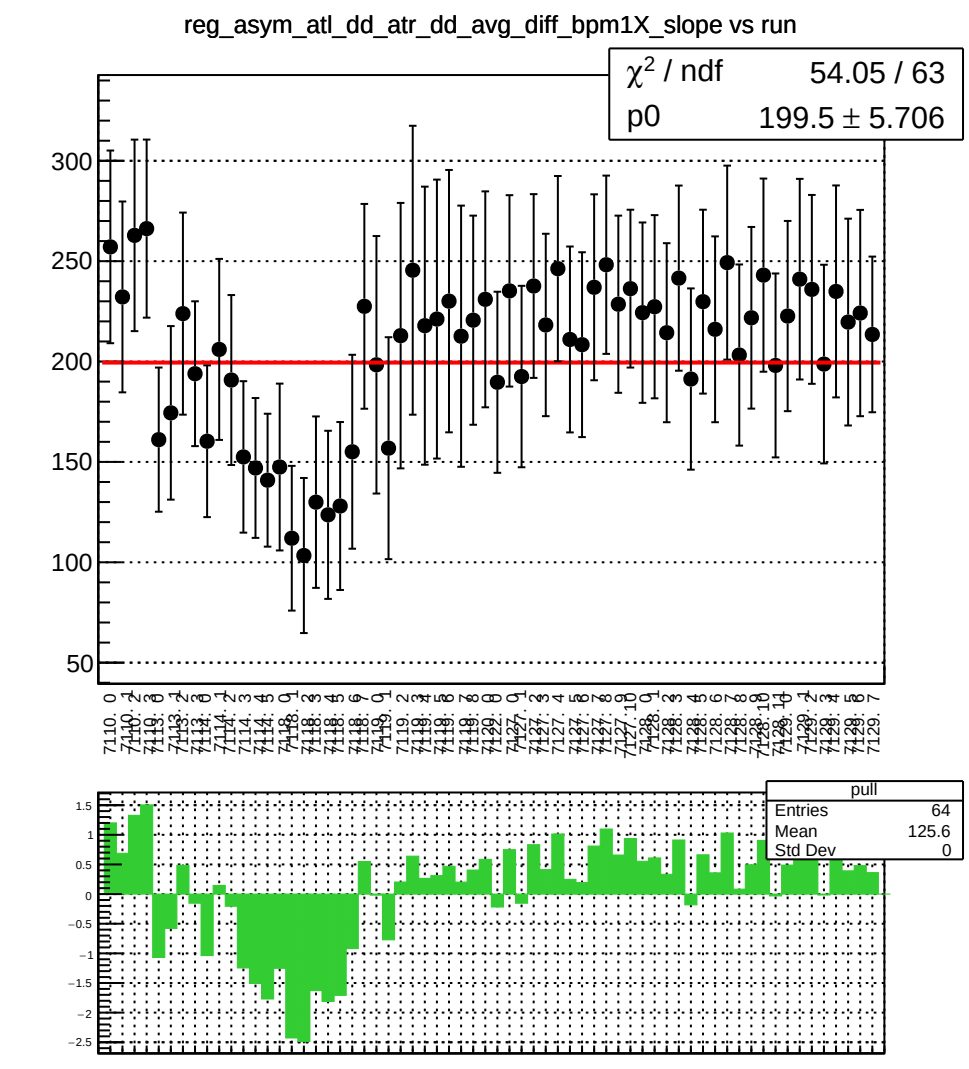

pull1D
Entries 64
Mean 0.06153
Std Dev 0.8079

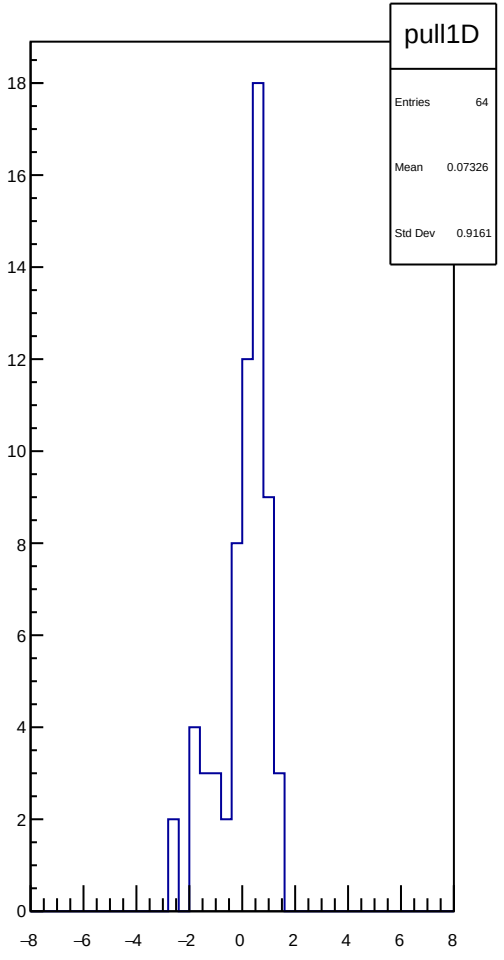

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.53 / 63
p0 19.55 ± 4.892
pull
Entries 64
Mean −318.5
Std Dev 0
pull1D
Entries 64
Mean 0.01269
Std Dev 0.4763

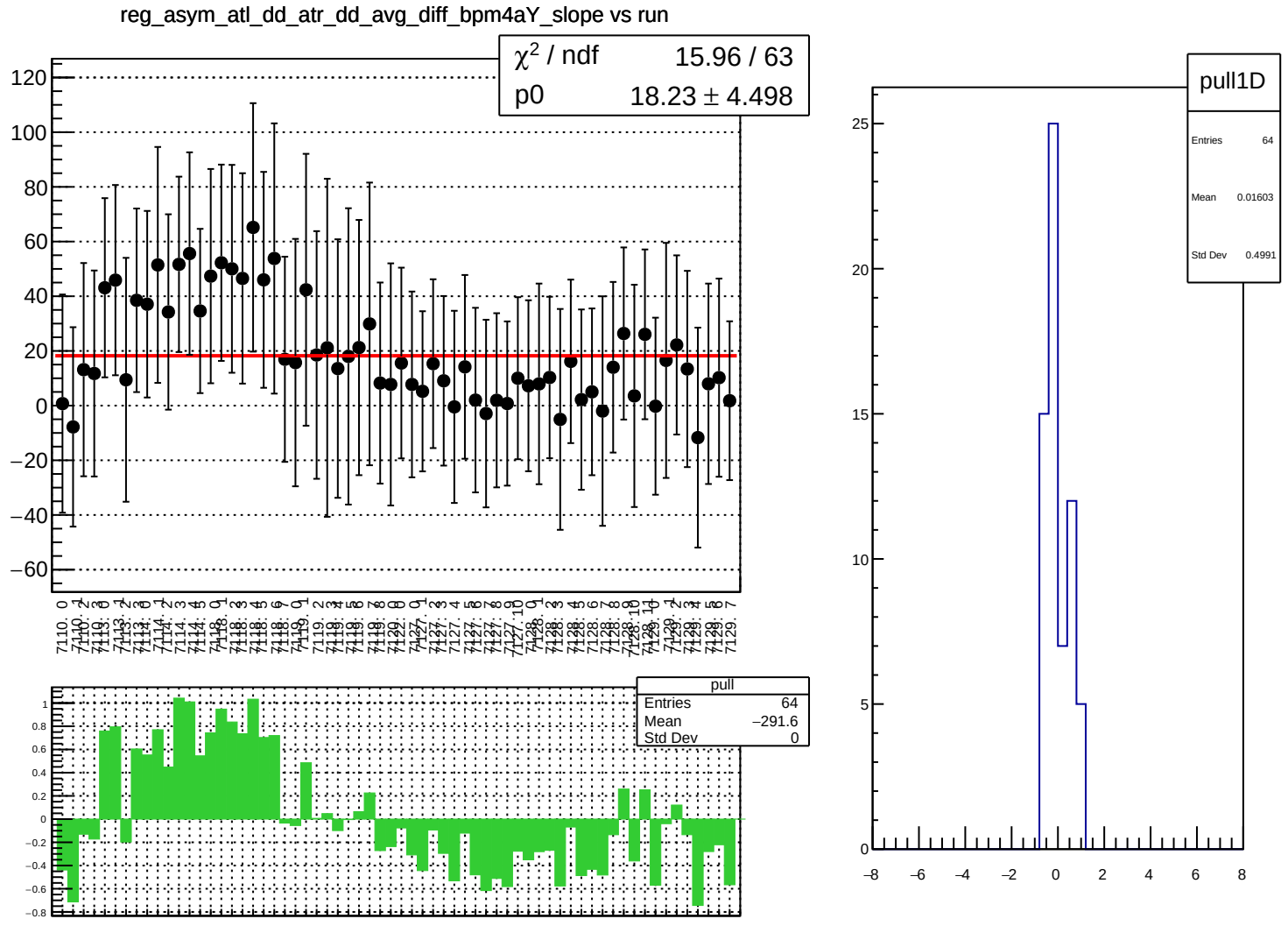

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.31 / 63
p0 −205.1 ± 6.163
pull
Entries 64
Mean 110.7
Std Dev 0
pull1D
Entries 64
Mean −0.06309
Std Dev 0.8107

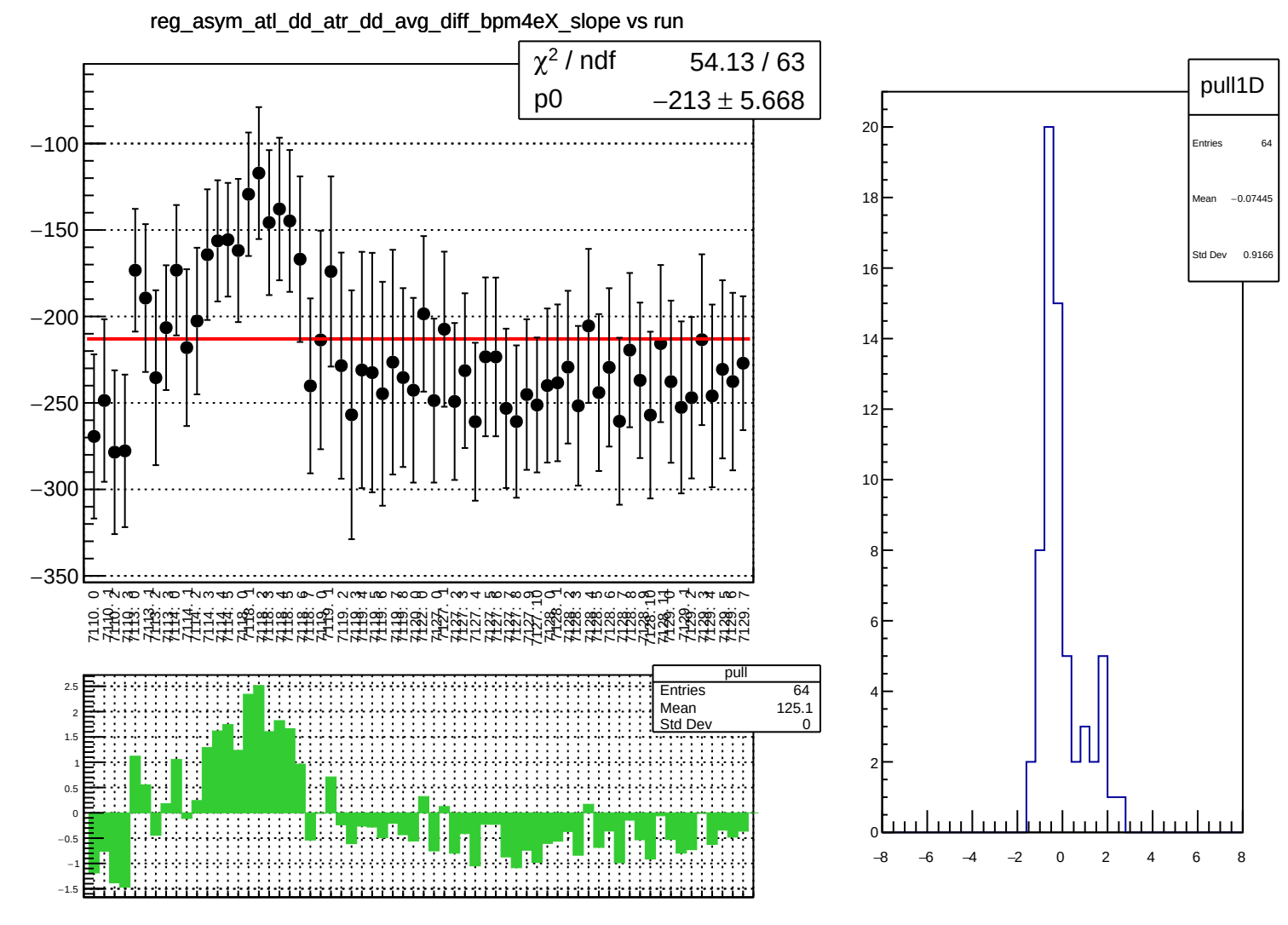

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.46 / 63
p0 −99.9 ± 5.151
pull
Entries 64
Mean −385.1
Std Dev 0
pull1D
Entries 64
Mean −0.01136
Std Dev 0.507

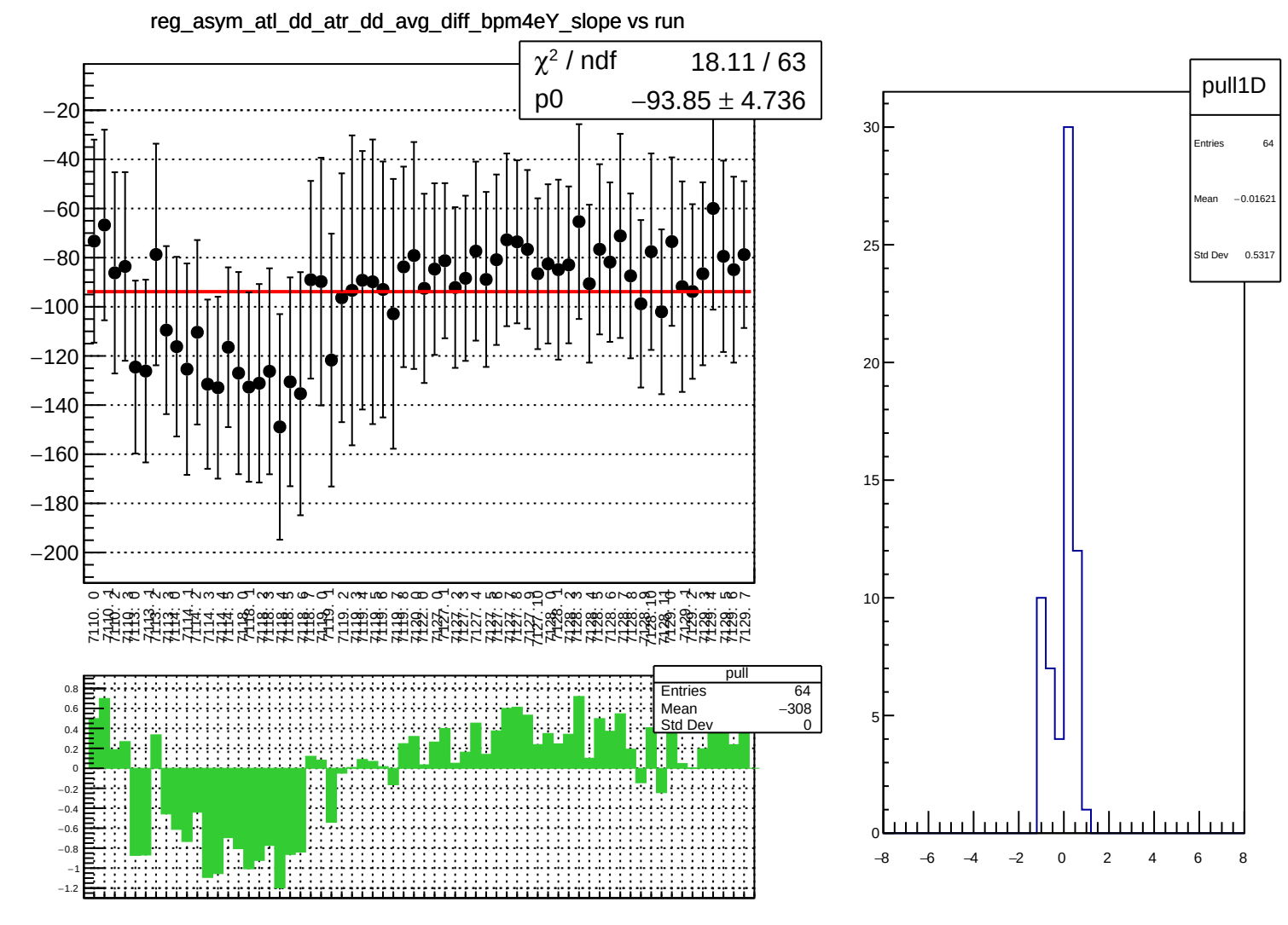

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.17 / 63
p0 130.9 ± 0.2296
pull
Entries 64
Mean −170.1
Std Dev 0
pull1D
Entries 64
Mean 0.02068
Std Dev 0.4865

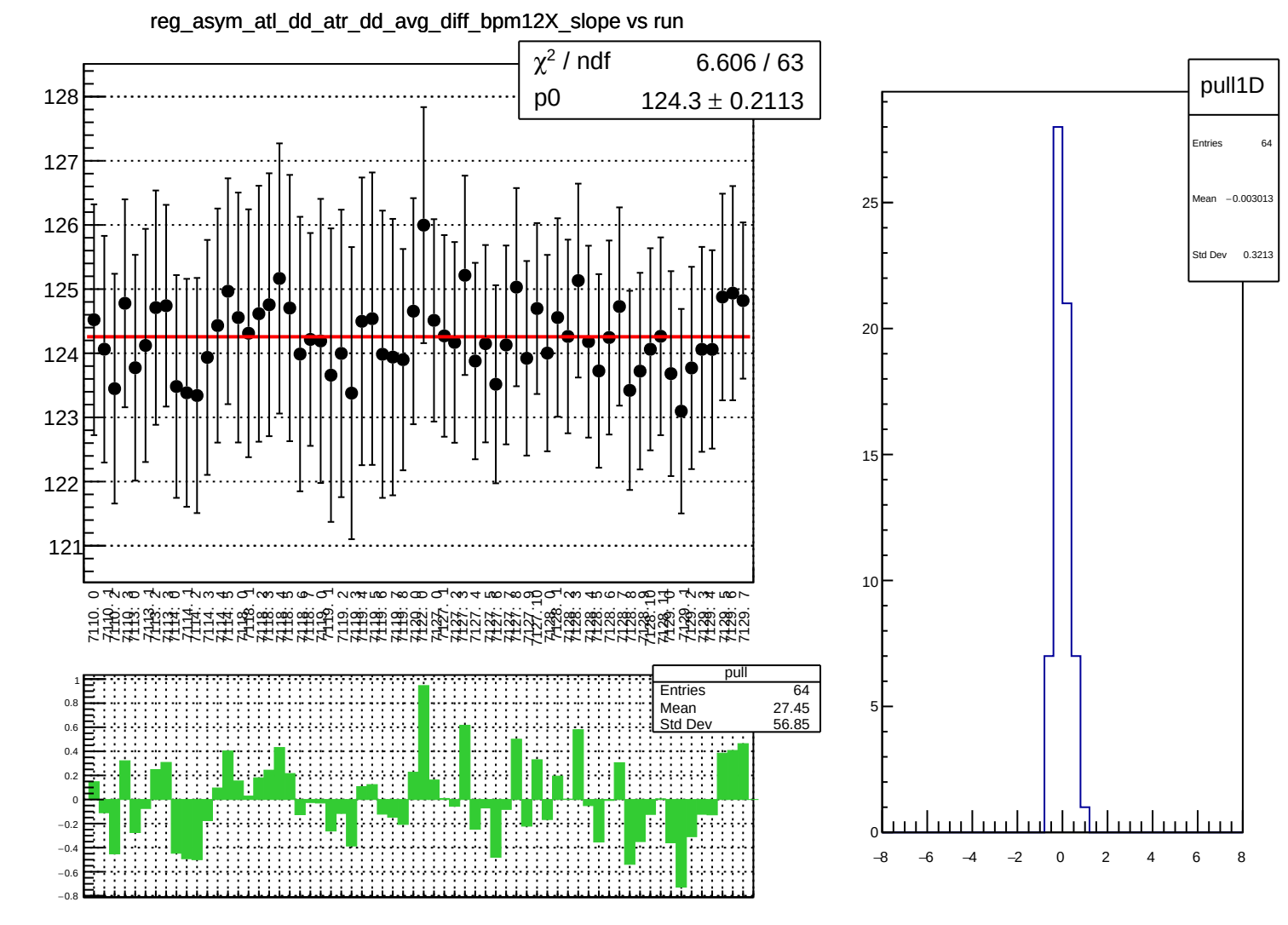

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 54.05 / 63
p0 199.5 ± 5.706
pull
Entries 64
Mean 125.6
Std Dev 0

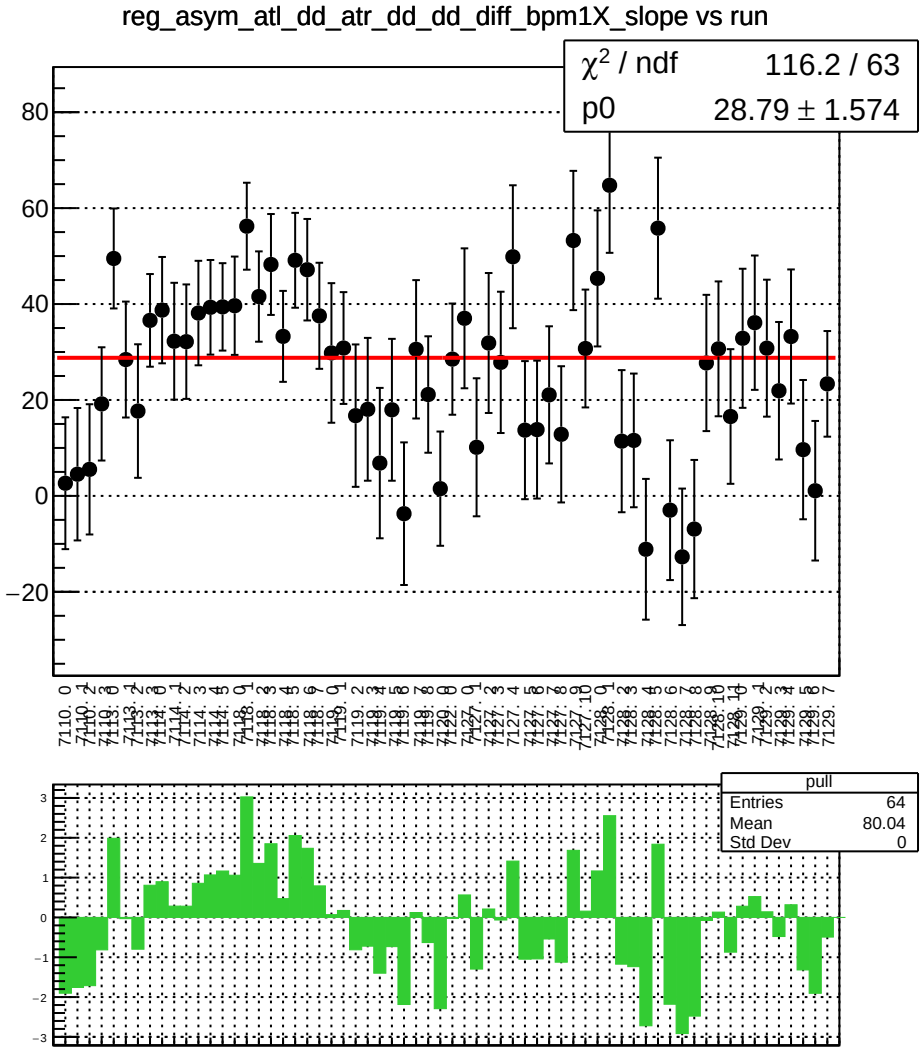

pull1D
Entries 64
Mean 0.07326
Std Dev 0.9161

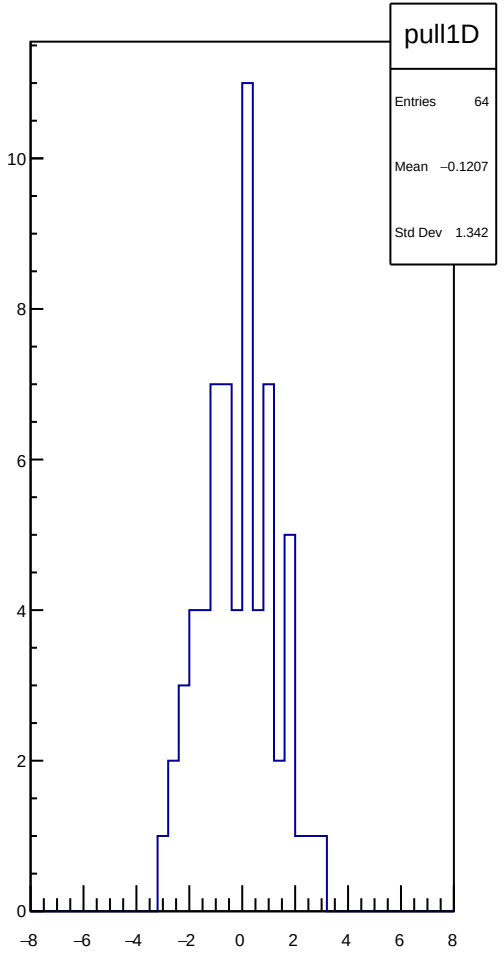

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.96 / 63
p0 18.23 ± 4.498
pull
Entries 64
Mean −291.6
Std Dev 0
pull1D
Entries 64
Mean 0.01603
Std Dev 0.4991

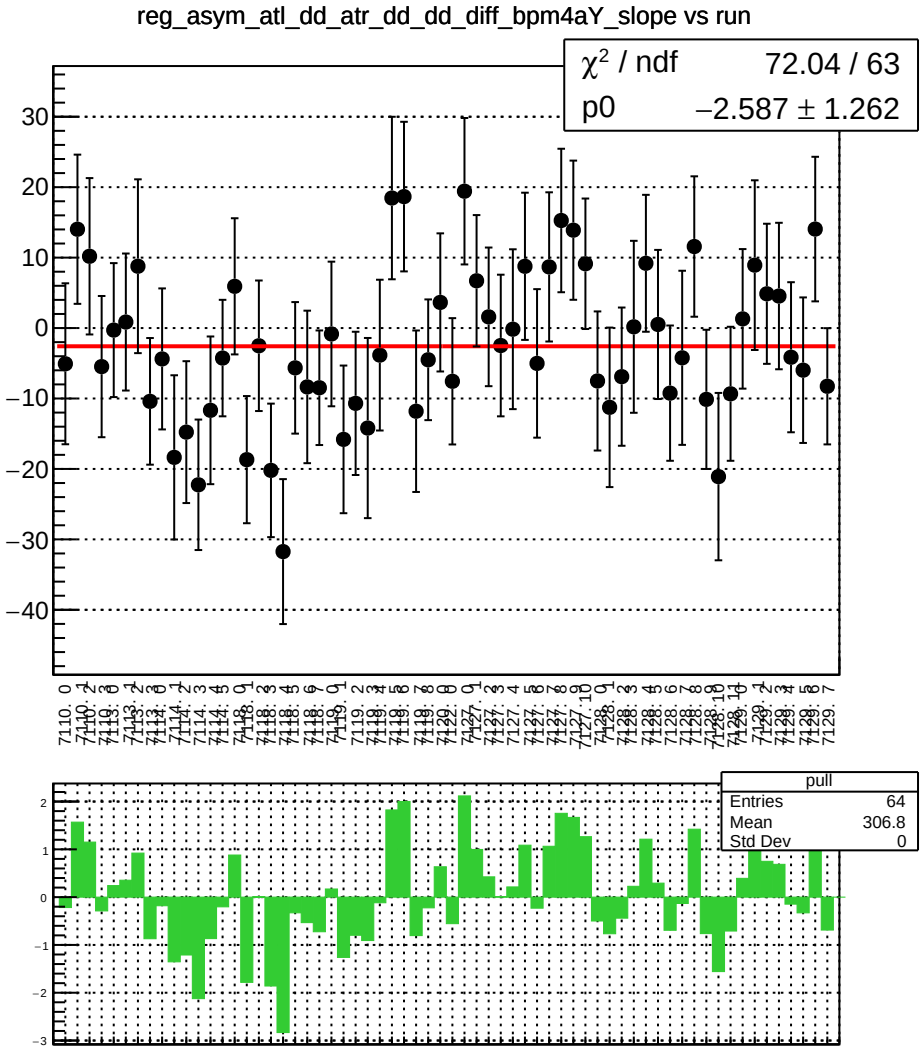

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.13 / 63
p0 −213 ± 5.668
pull
Entries 64
Mean 125.1
Std Dev 0
pull1D
Entries 64
Mean −0.07445
Std Dev 0.9166

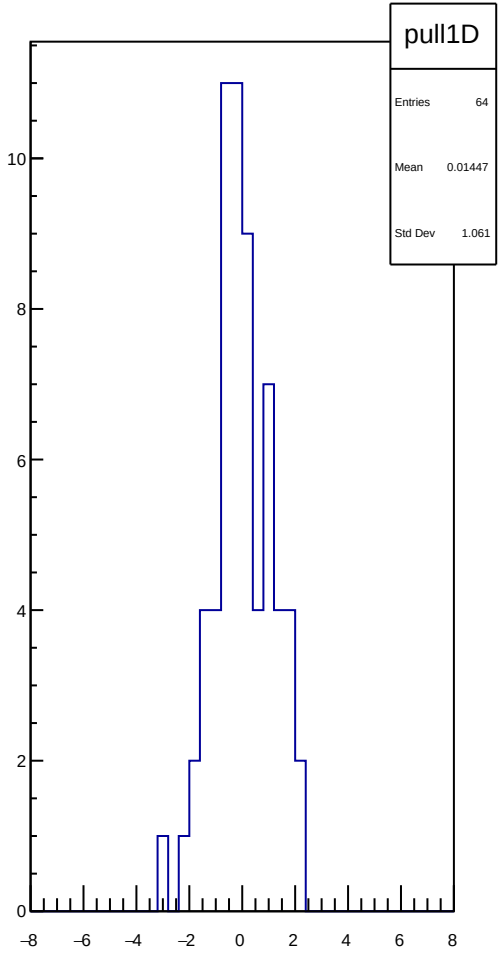

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.11 / 63
p0 −93.85 ± 4.736
pull
Entries 64
Mean −308
Std Dev 0
pull1D
Entries 64
Mean −0.01621
Std Dev 0.5317

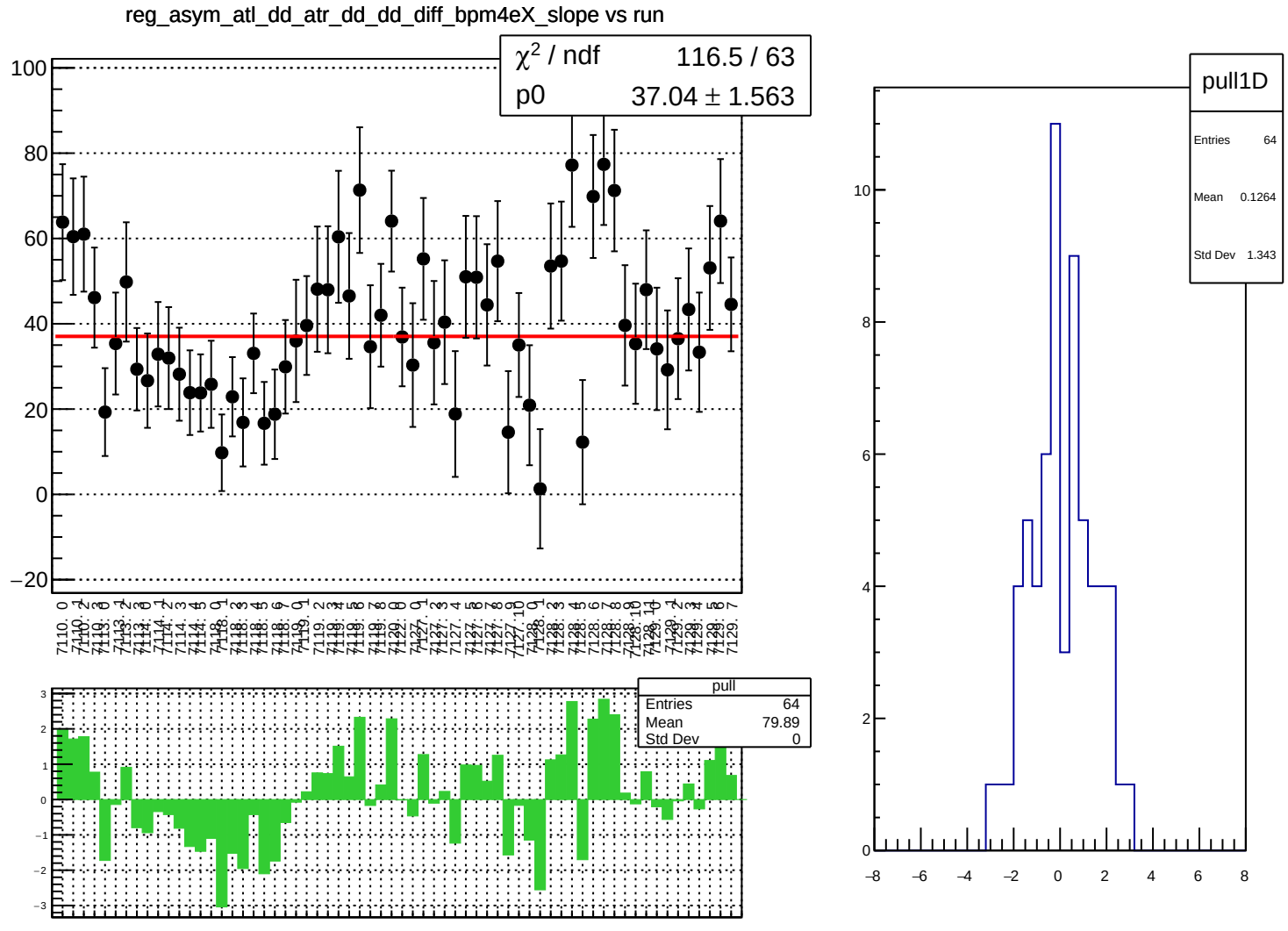

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6.606 / 63
p0 124.3 ± 0.2113
pull
Entries 64
Mean 27.45
Std Dev 56.85
pull1D
Entries 64
Mean −0.003013
Std Dev 0.3213

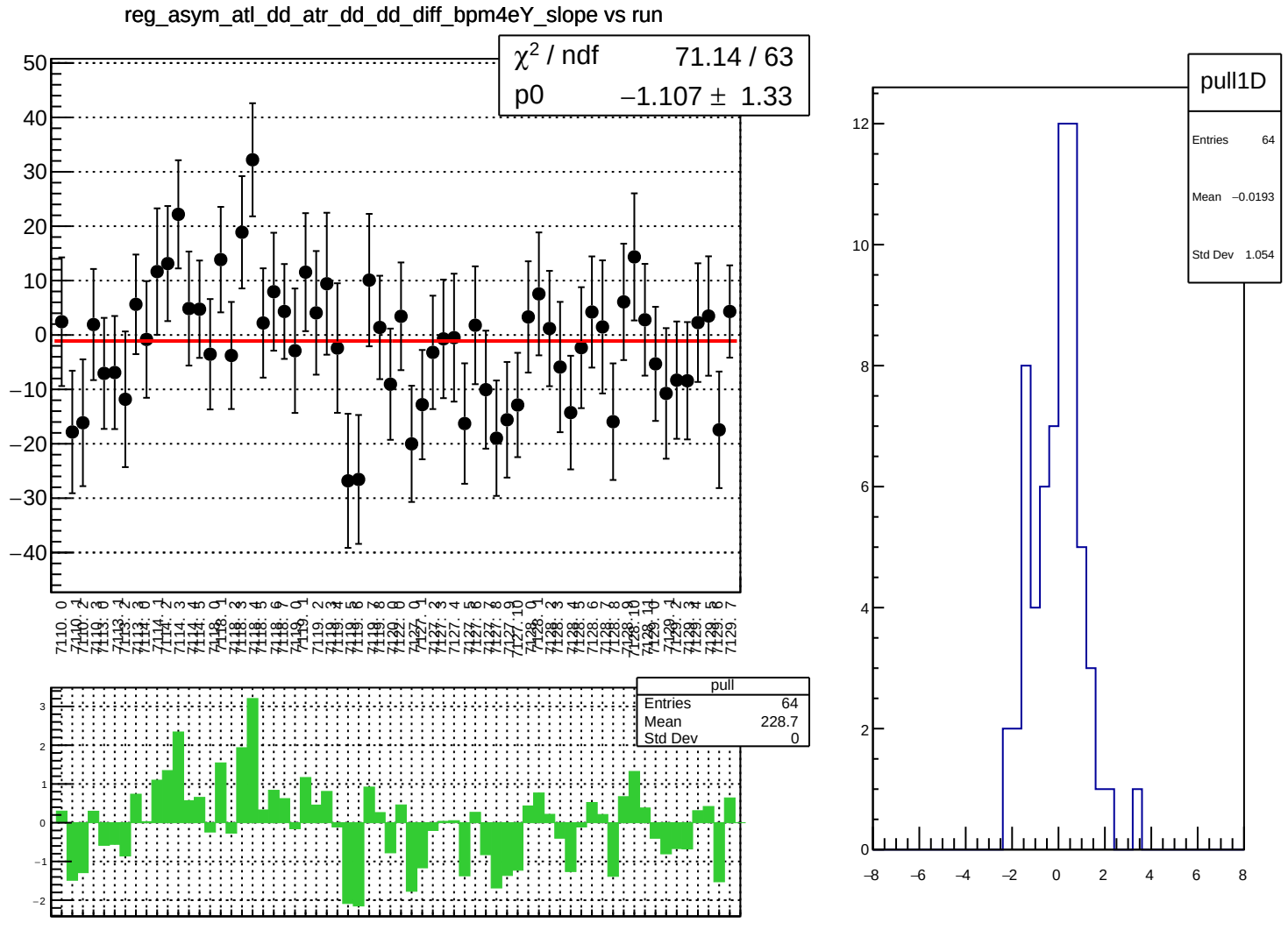

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 116.2 / 63
p0 28.79 ± 1.574
pull
Entries 64
Mean 80.04
Std Dev 0

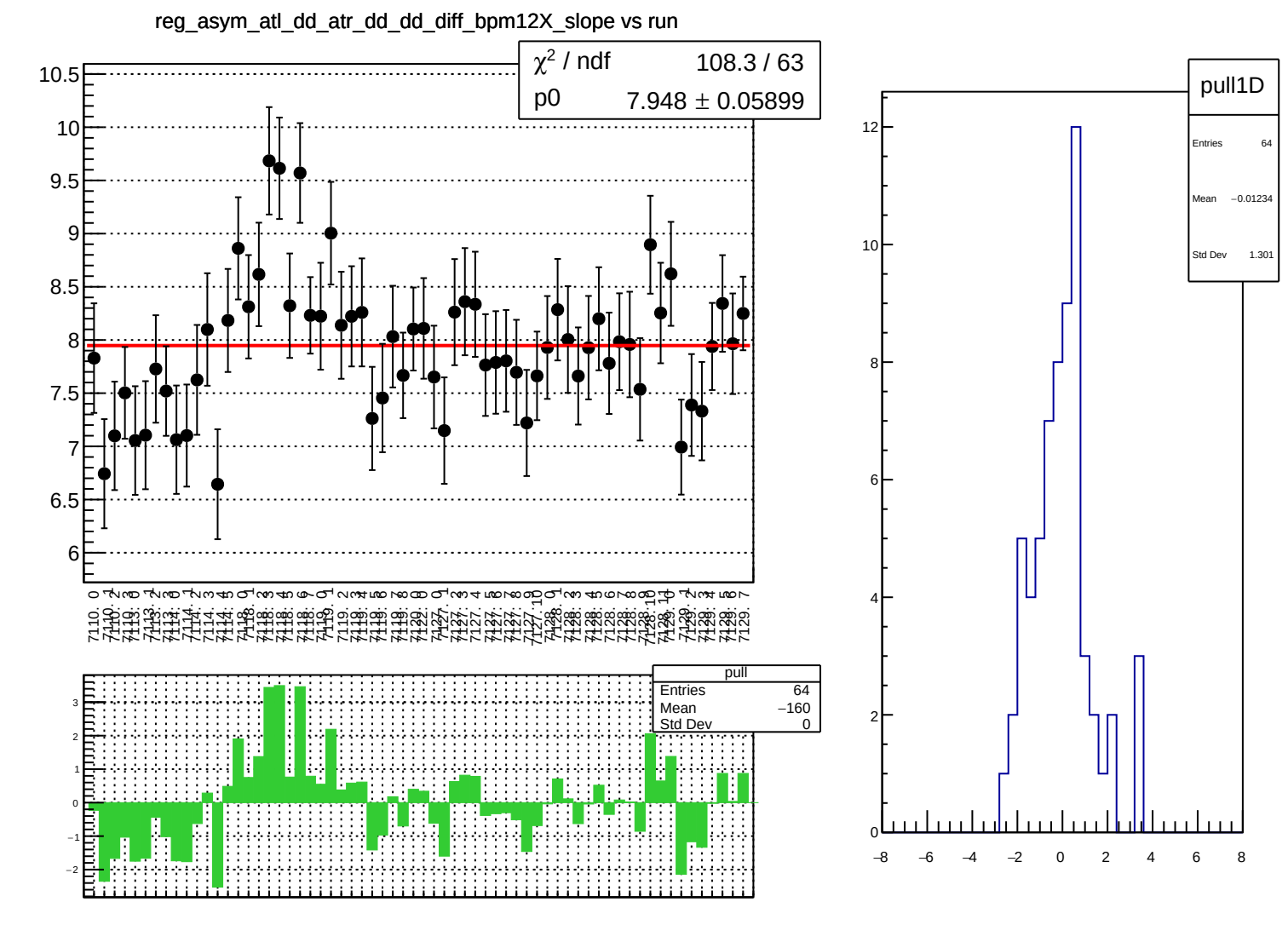

pull1D
Entries 64
Mean −0.1207
Std Dev 1.342

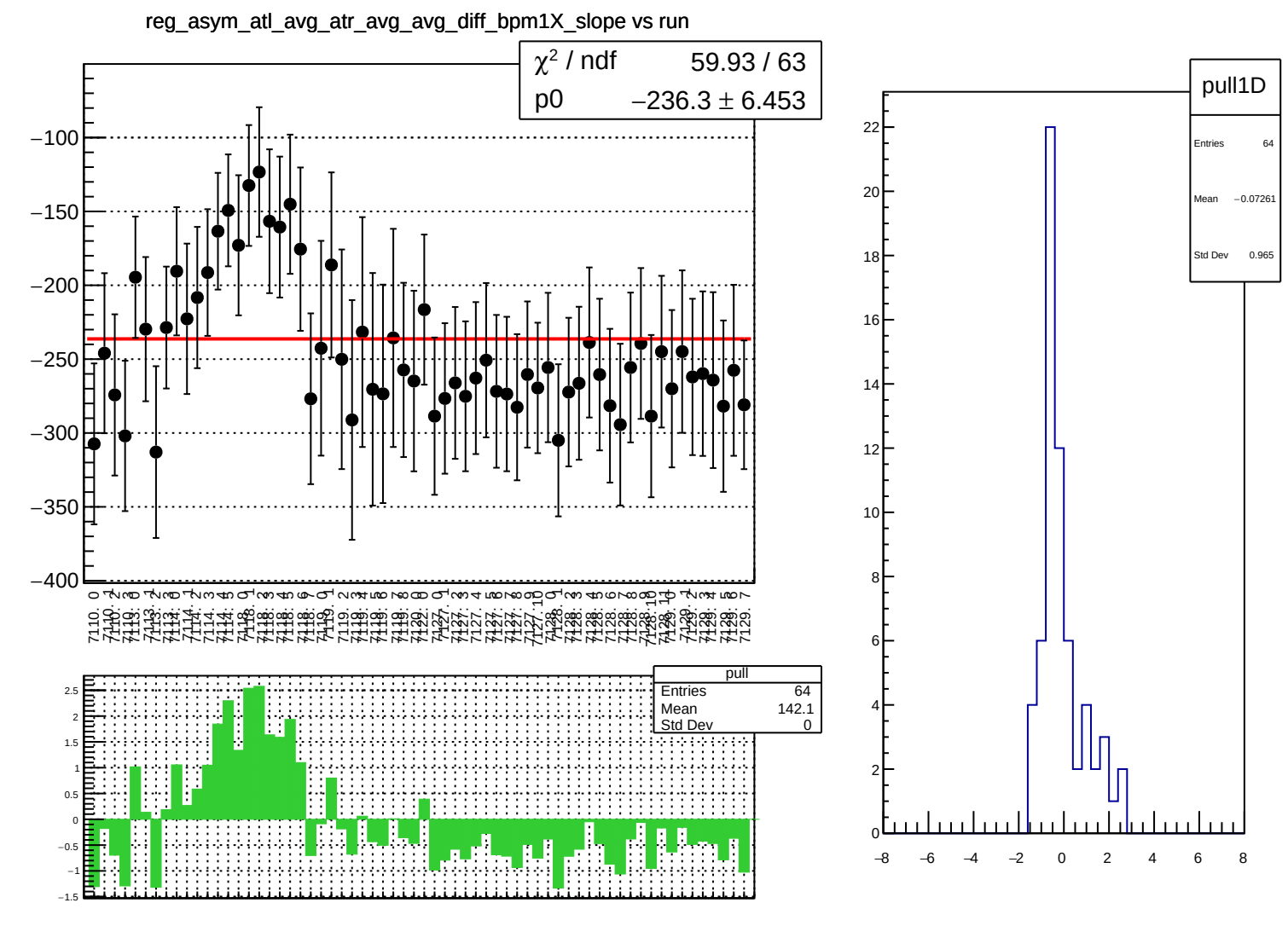

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.04 / 63
p0 −2.587 ± 1.262
pull
Entries 64
Mean 306.8
Std Dev 0

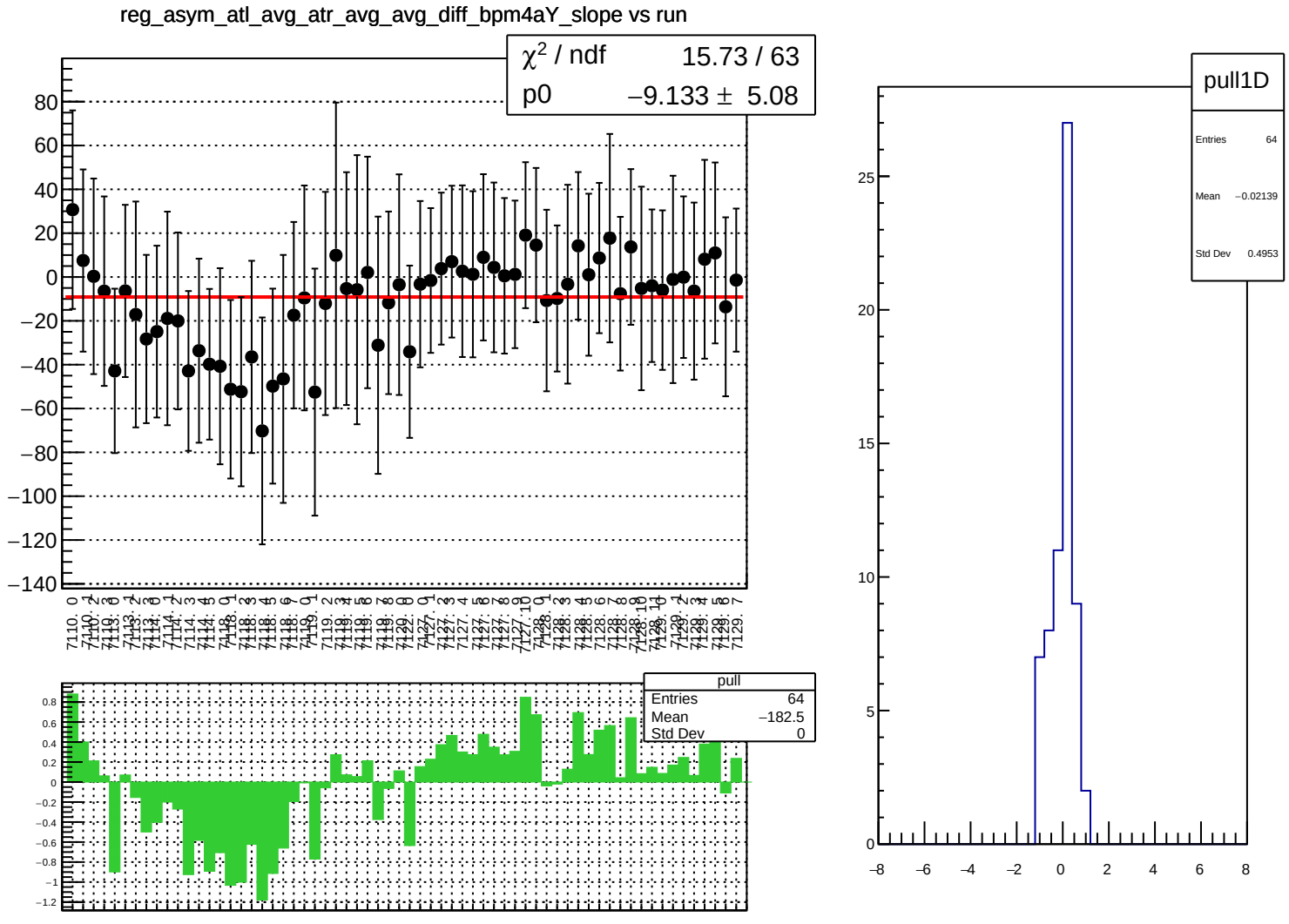

pull1D
Entries 64
Mean 0.01447
Std Dev 1.061

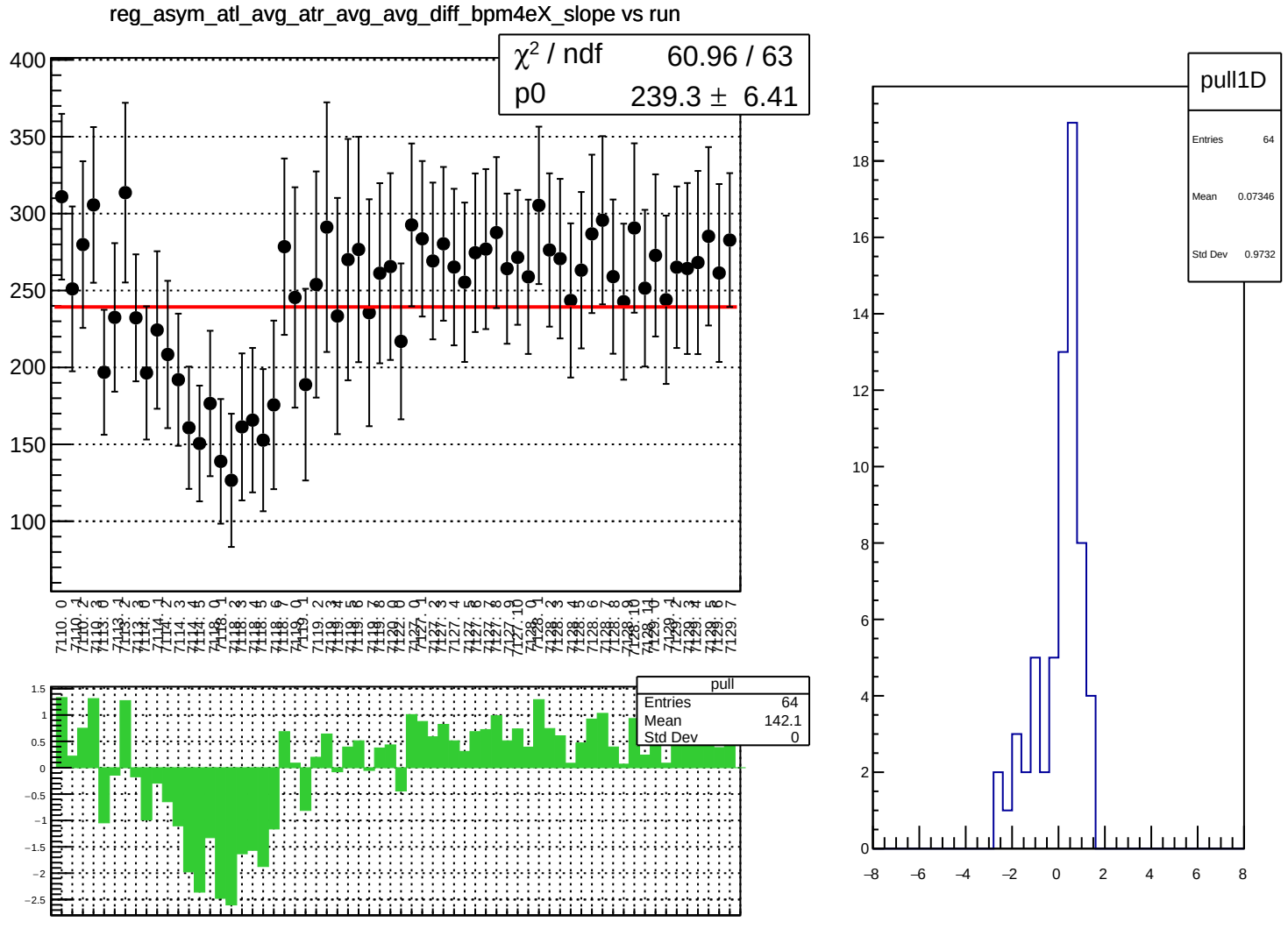

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 116.5 / 63
p0 37.04 ± 1.563
pull
Entries 64
Mean 79.89
Std Dev 0
pull1D
Entries 64
Mean 0.1264
Std Dev 1.343

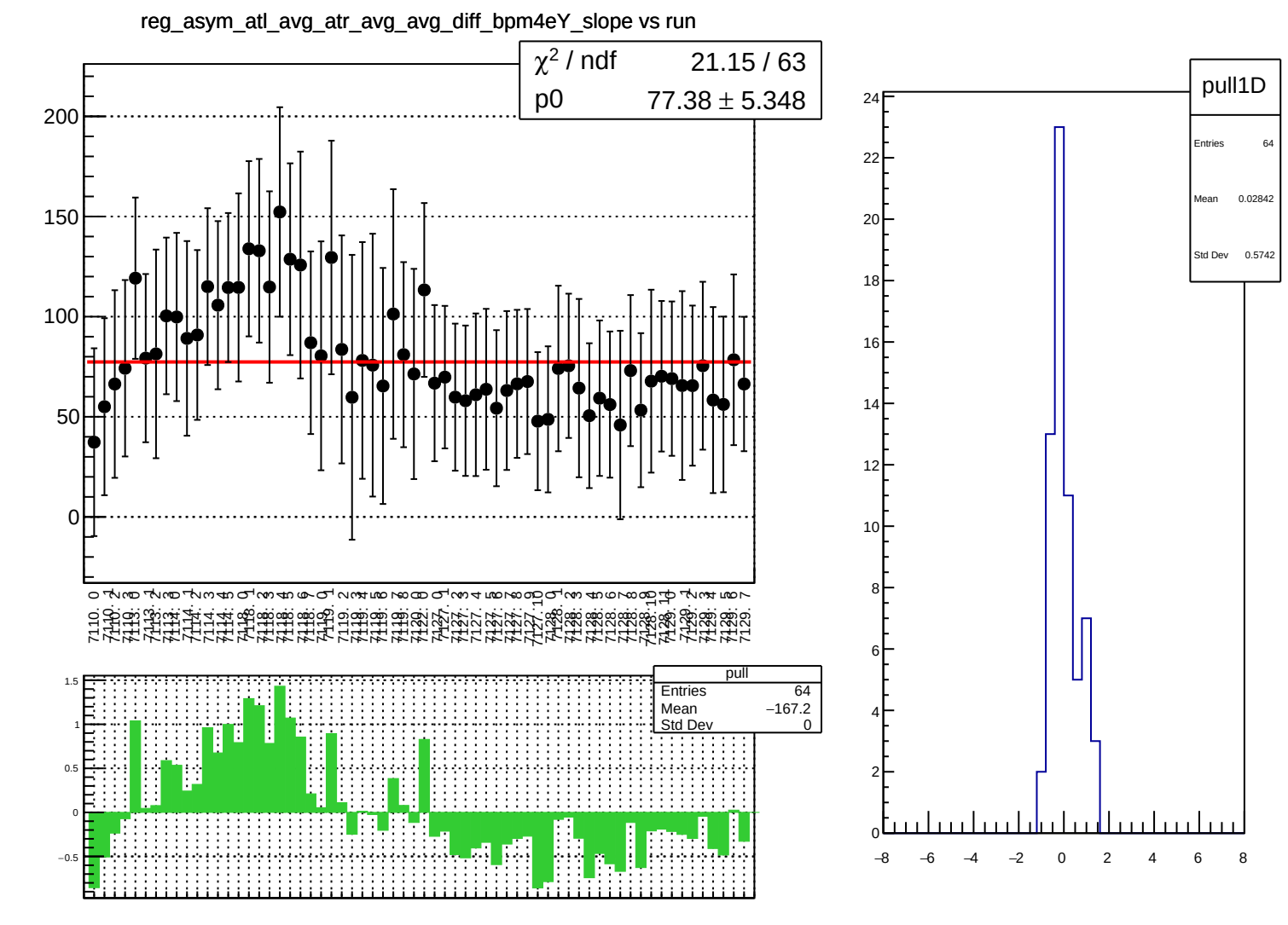

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.14 / 63
p0 −1.107 ± 1.33
pull
Entries 64
Mean 228.7
Std Dev 0
pull1D
Entries 64
Mean −0.0193
Std Dev 1.054

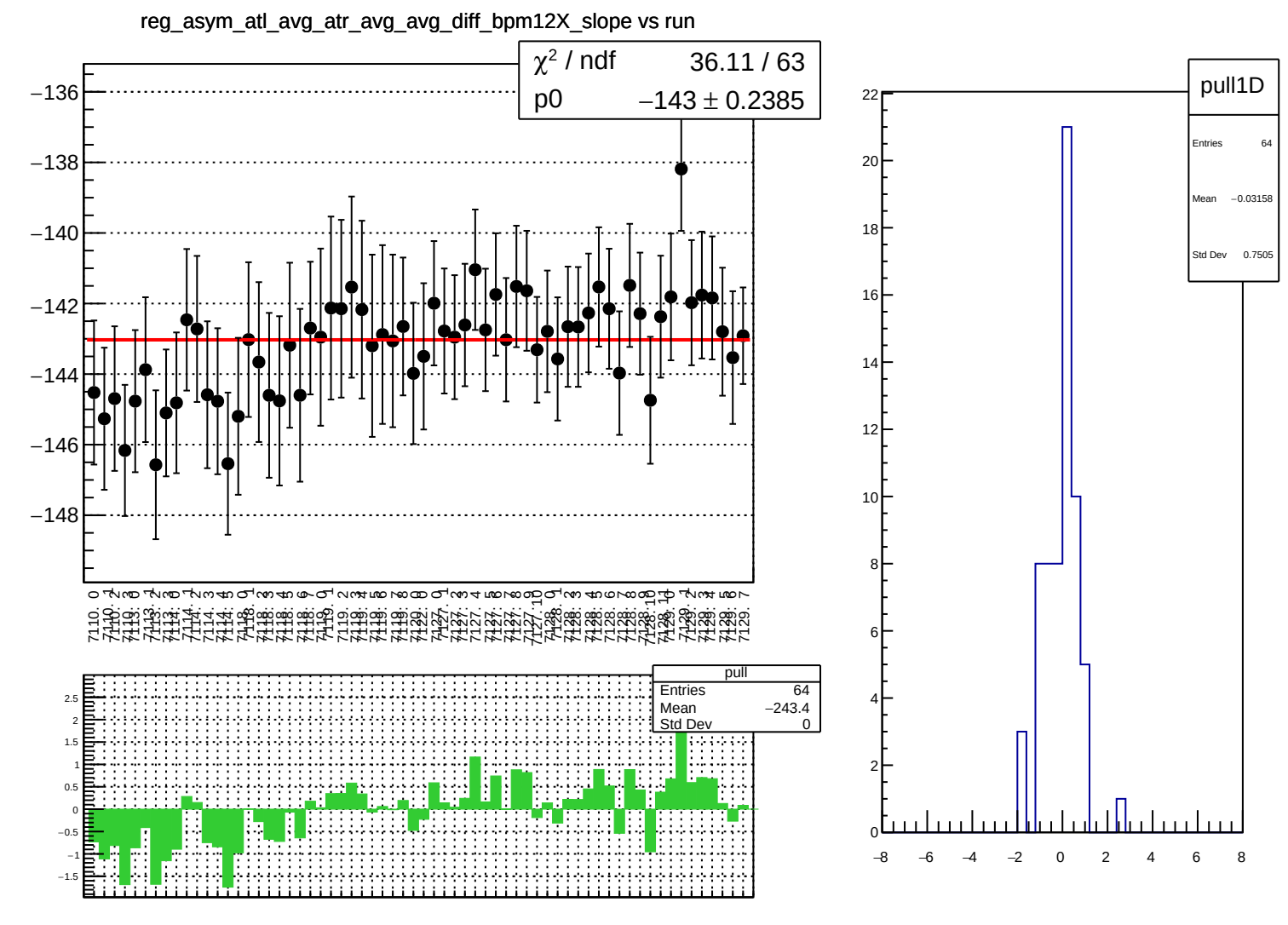

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 108.3 / 63
p0 7.948 ± 0.05899
pull
Entries 64
Mean −160
Std Dev 0
pull1D
Entries 64
Mean −0.01234
Std Dev 1.301

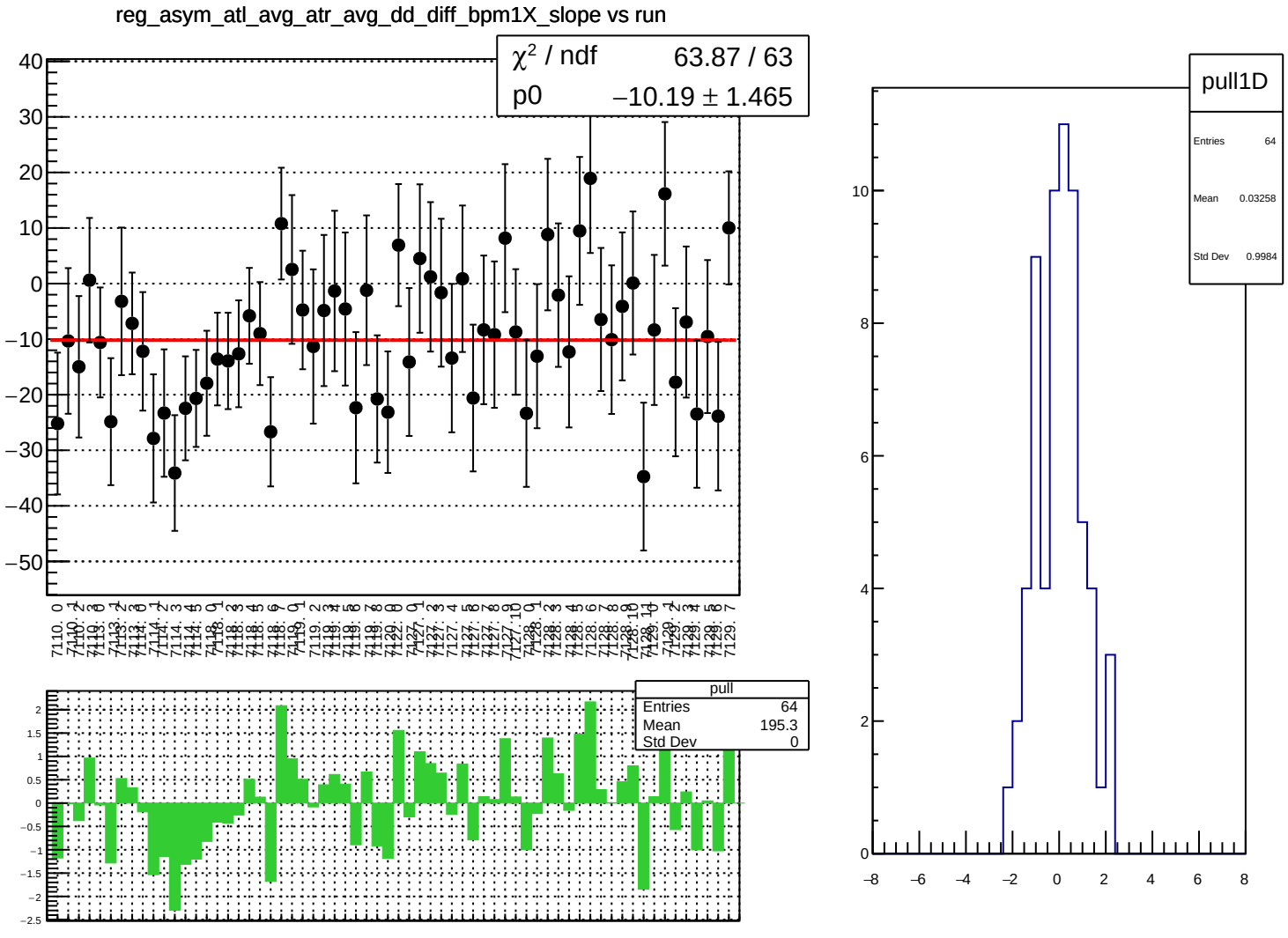

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 59.93 / 63
p0 −236.3 ± 6.453
pull
Entries 64
Mean 142.1
Std Dev 0
pull1D
Entries 64
Mean −0.07261
Std Dev 0.965

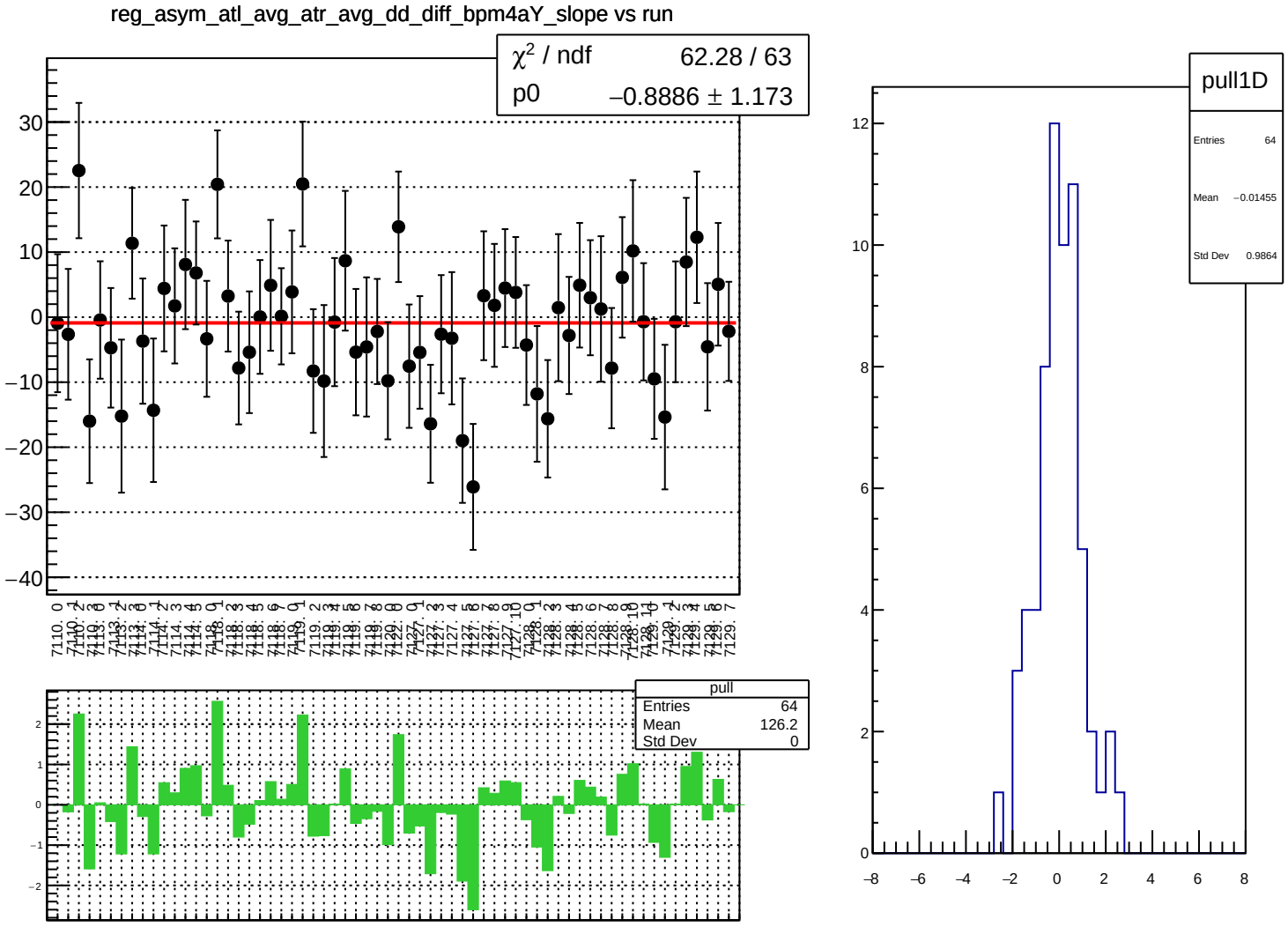

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.73 / 63
p0 −9.133 ± 5.08
pull
Entries 64
Mean −182.5
Std Dev 0
pull1D
Entries 64
Mean −0.02139
Std Dev 0.4953

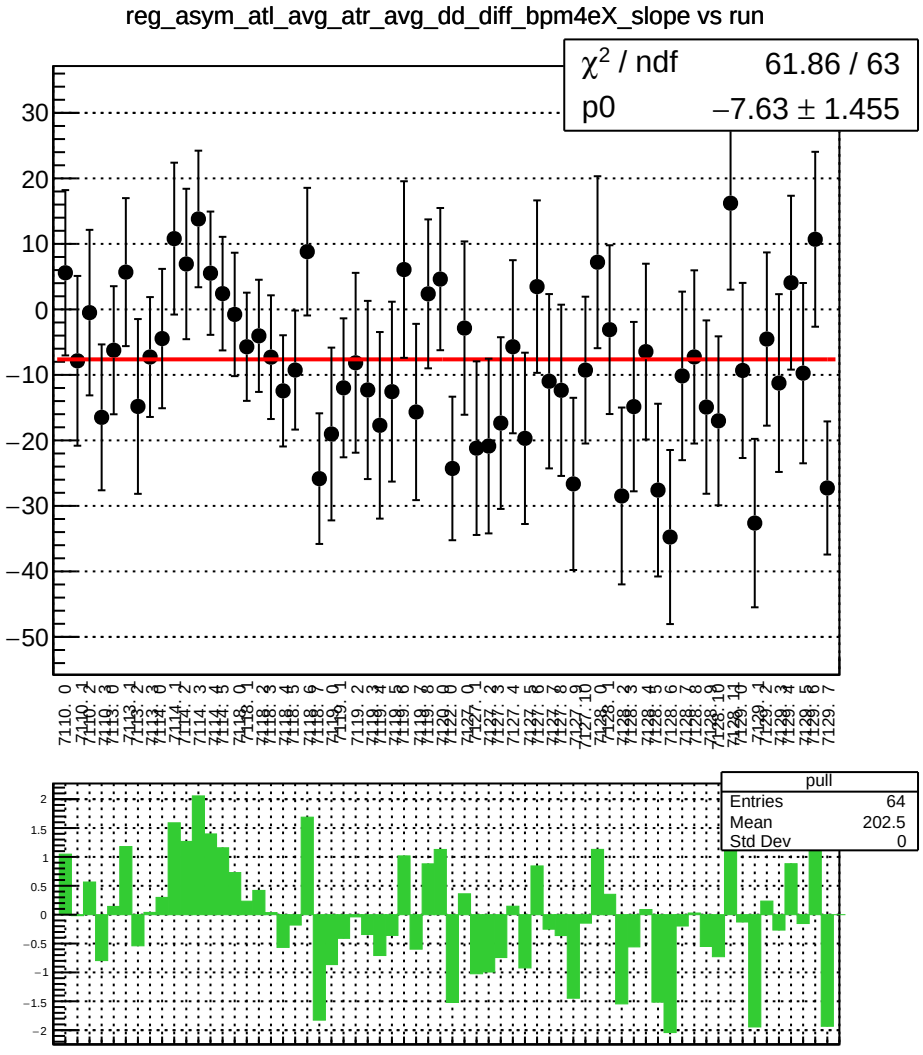

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.96 / 63
p0 239.3 ± 6.41
pull
Entries 64
Mean 142.1
Std Dev 0
pull1D
Entries 64
Mean 0.07346
Std Dev 0.9732

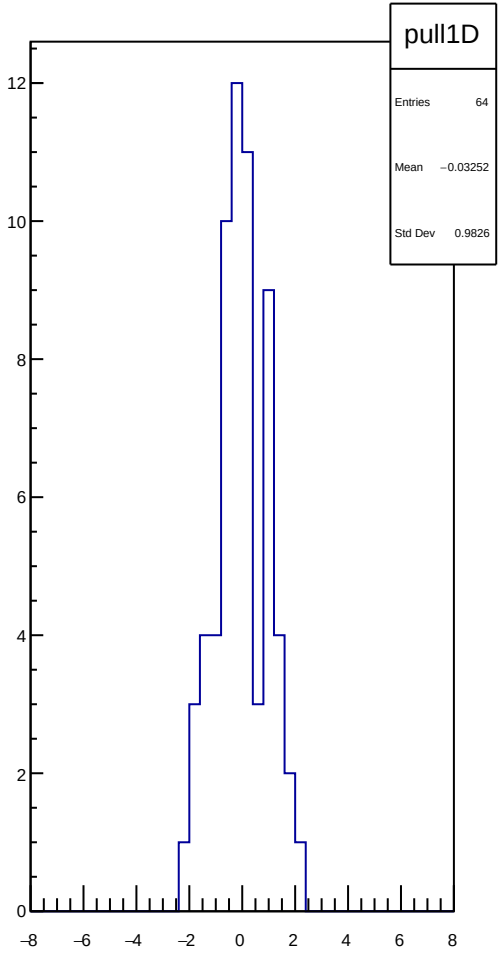

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.15 / 63
p0 77.38 ± 5.348
200
150
100
50
0
pull
Entries 64
Mean −167.2
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 64
Mean 0.02842
Std Dev 0.5742
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

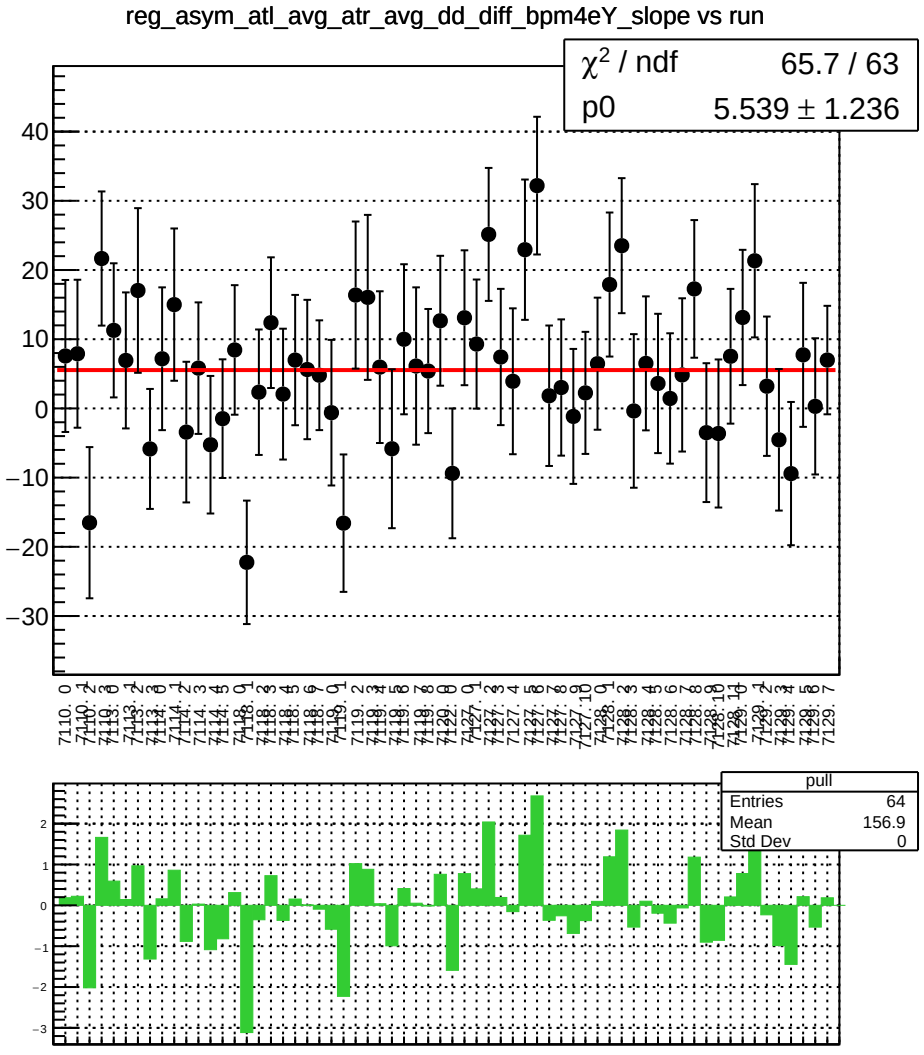

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 36.11 / 63
p0 −143 ± 0.2385
pull
Entries 64
Mean −243.4
Std Dev 0
pull1D
Entries 64
Mean −0.03158
Std Dev 0.7505

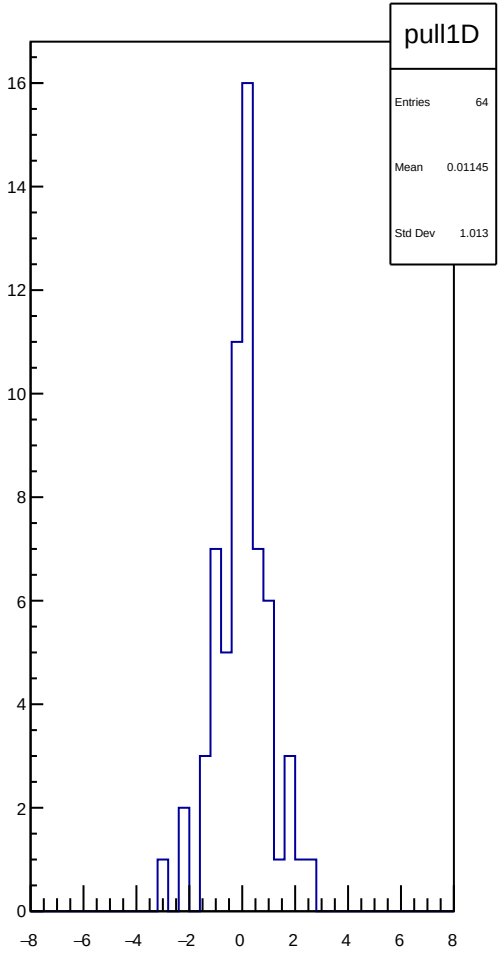

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 63.87 / 63
p0 −10.19 ± 1.465
pull
Entries 64
Mean 195.3
Std Dev 0
pull1D
Entries 64
Mean 0.03258
Std Dev 0.9984

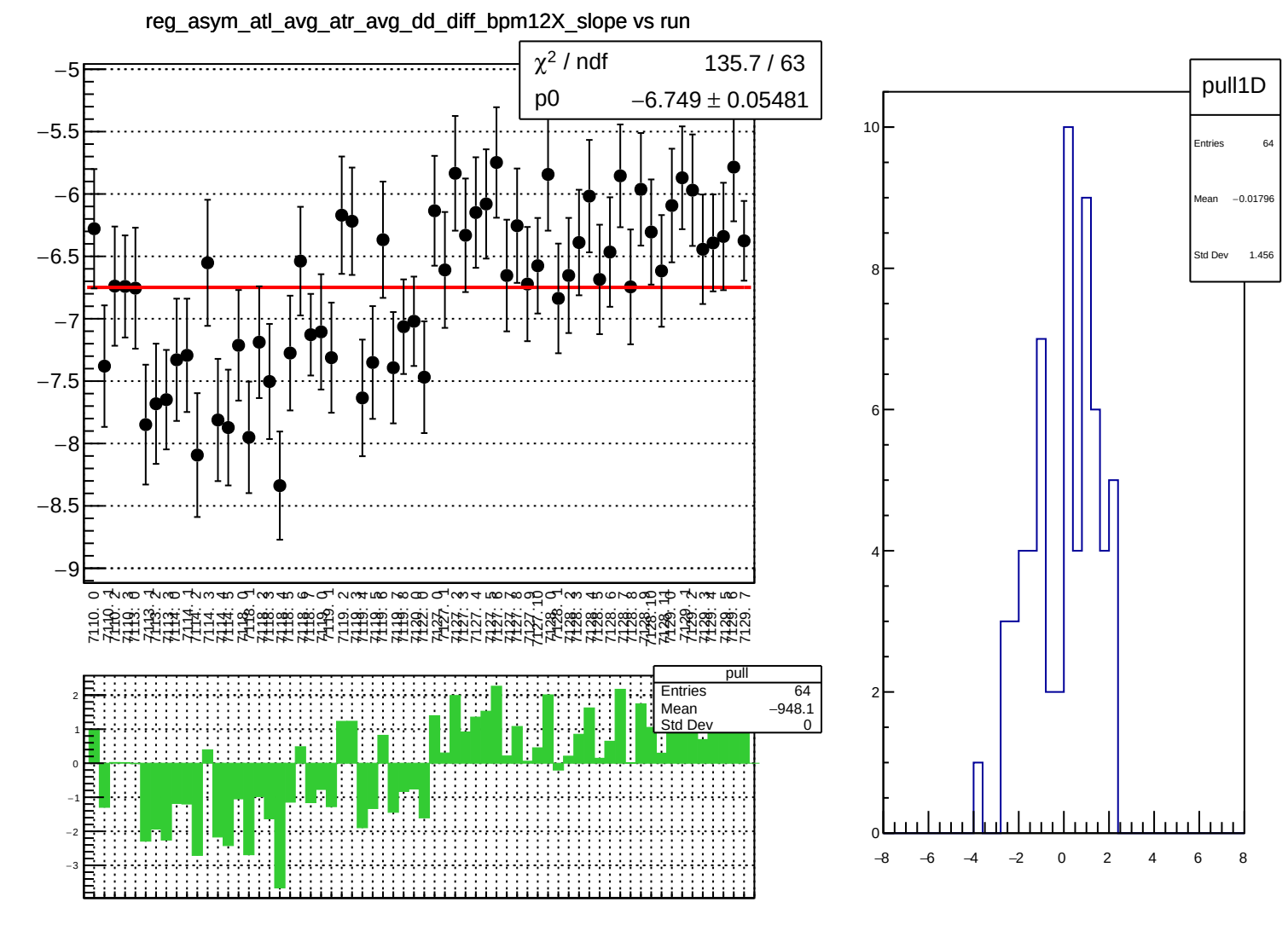

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.28 / 63
p0 −0.8886 ± 1.173
pull
Entries 64
Mean 126.2
Std Dev 0
pull1D
Entries 64
Mean −0.01455
Std Dev 0.9864

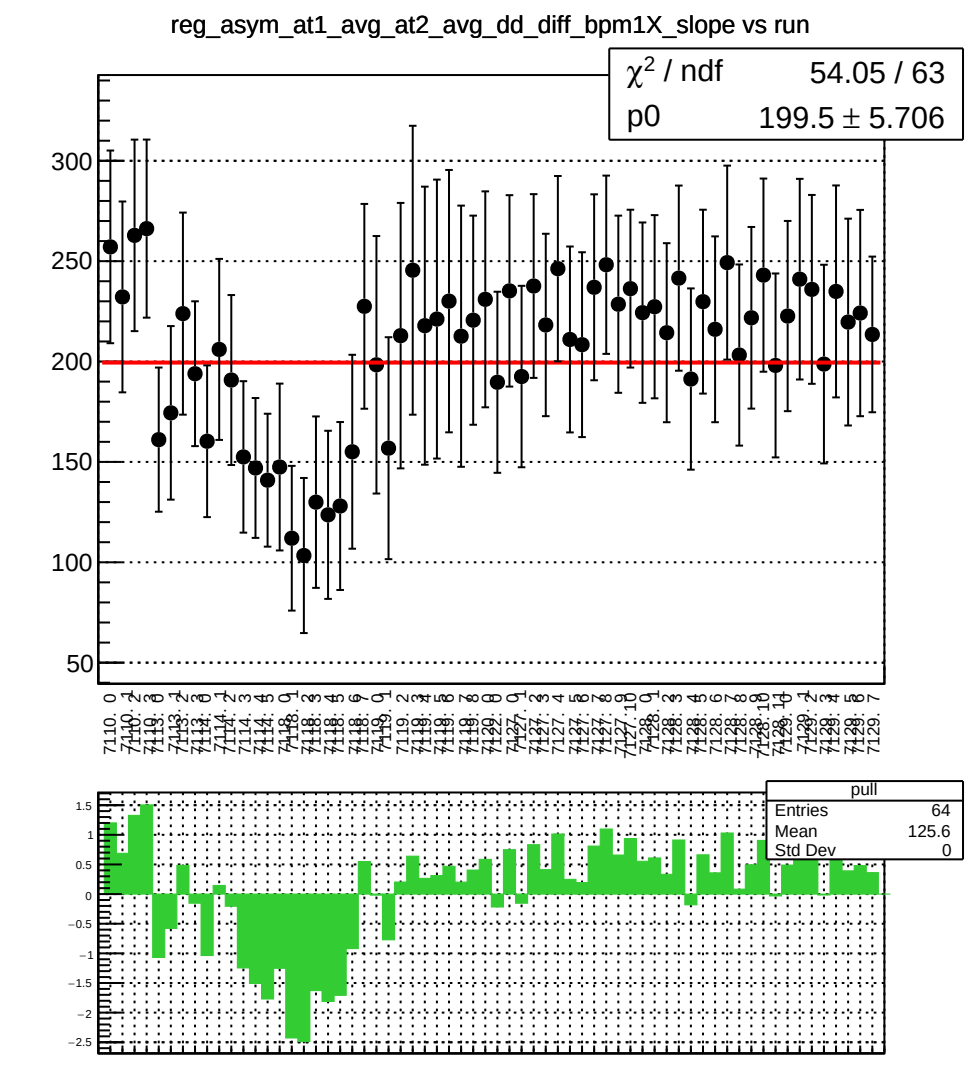

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.86 / 63
p0 −7.63 ± 1.455
pull
Entries 64
Mean 202.5
Std Dev 0

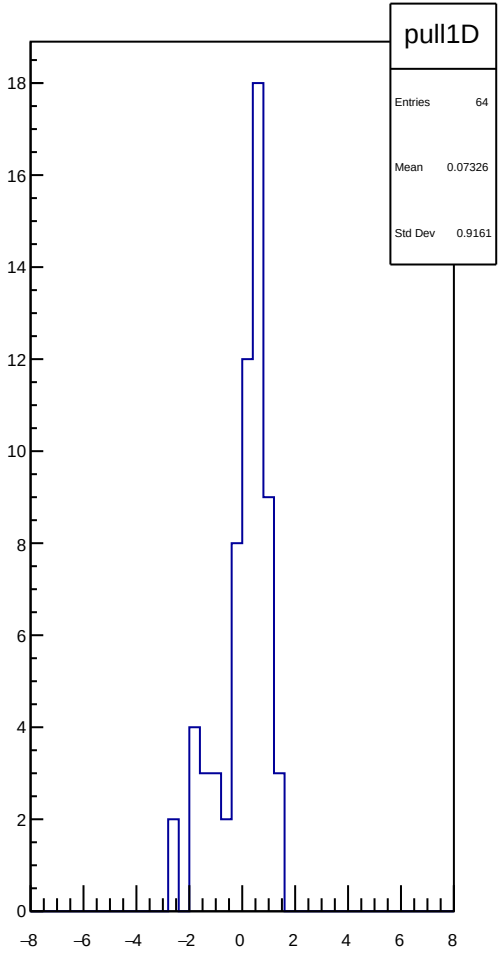

pull1D
Entries 64
Mean −0.03252
Std Dev 0.9826

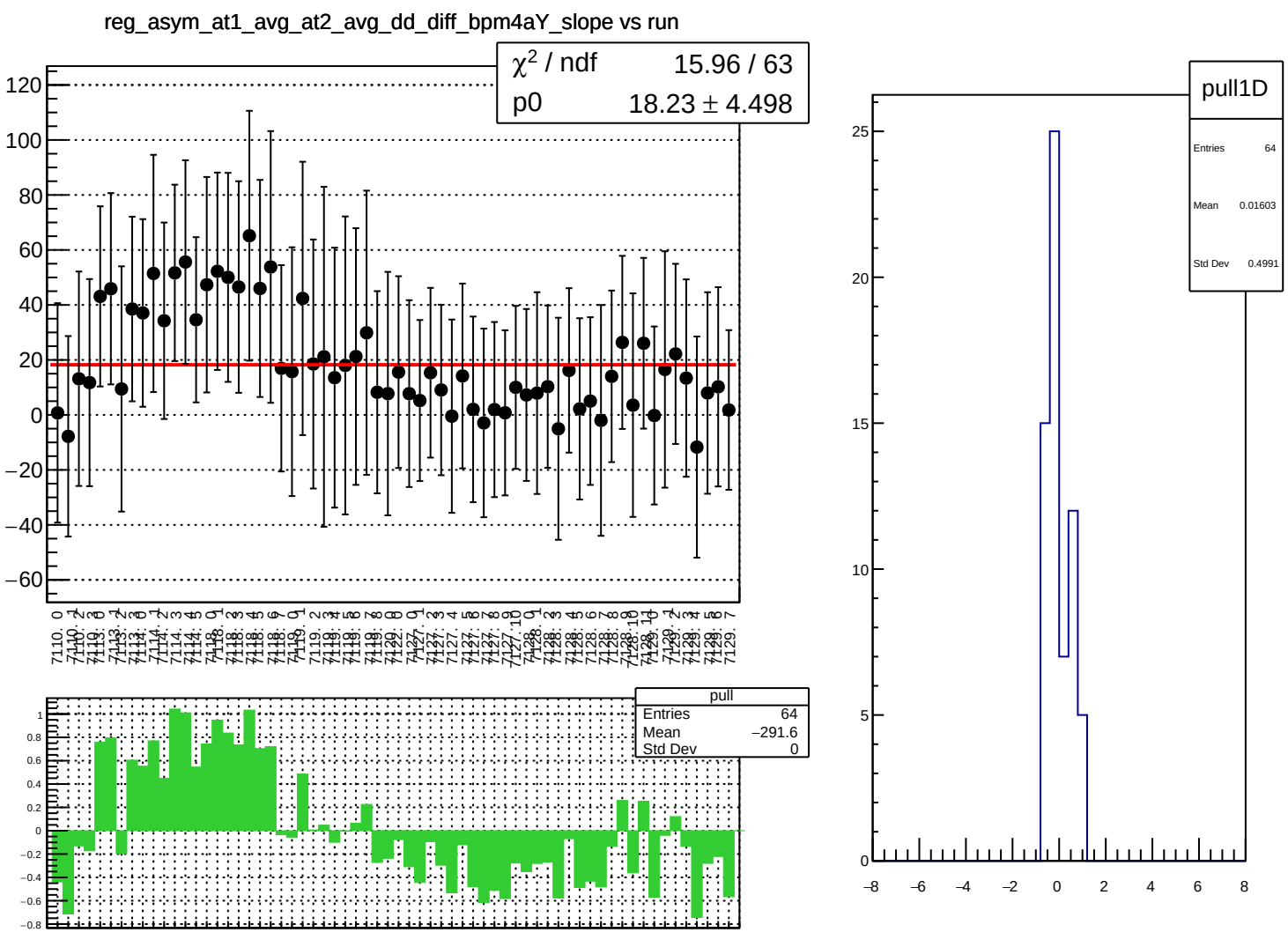

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.7 / 63
p0 5.539 ± 1.236
pull
Entries 64
Mean 156.9
Std Dev 0

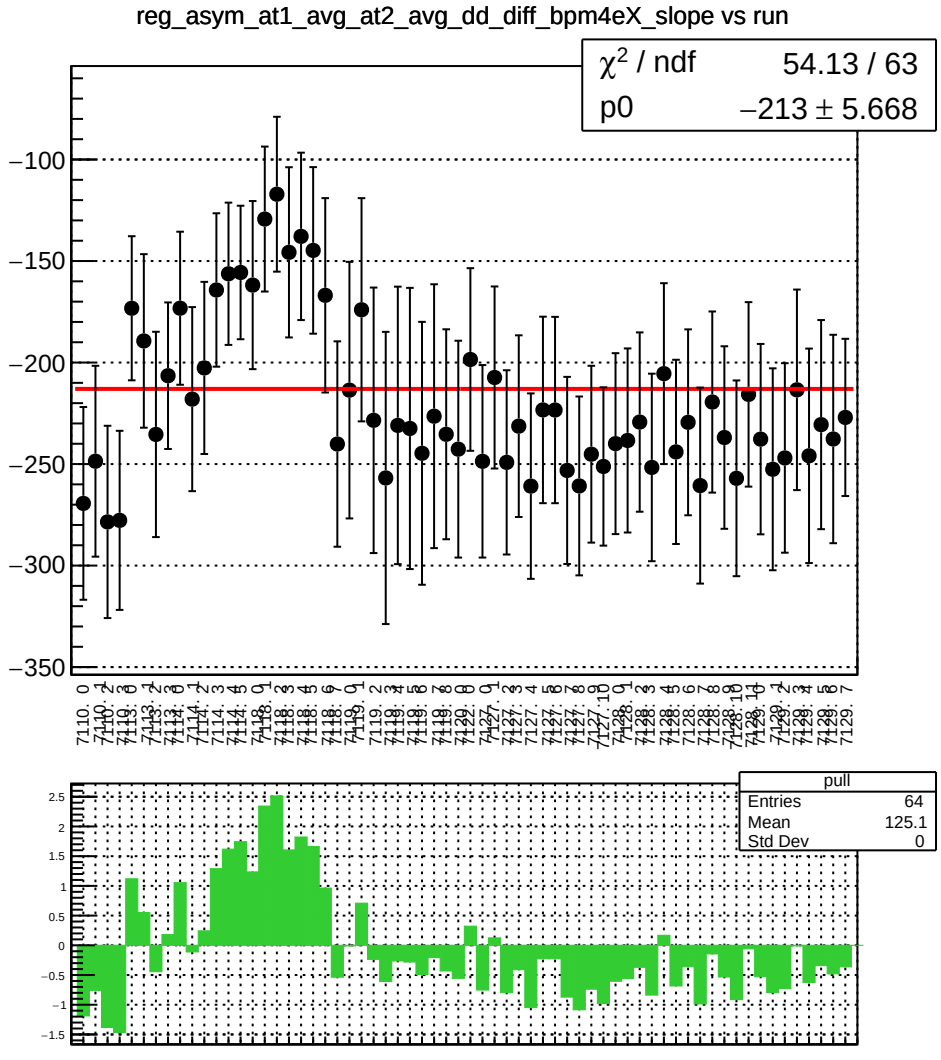

pull1D
Entries 64
Mean 0.01145
Std Dev 1.013

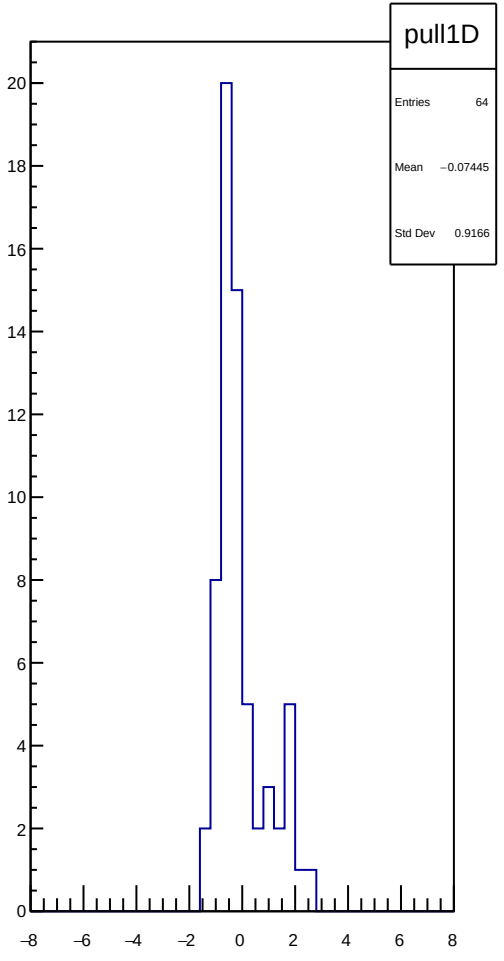

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 135.7 / 63
p0 −6.749 ± 0.05481
pull
Entries 64
Mean −948.1
Std Dev 0
pull1D
Entries 64
Mean −0.01796
Std Dev 1.456

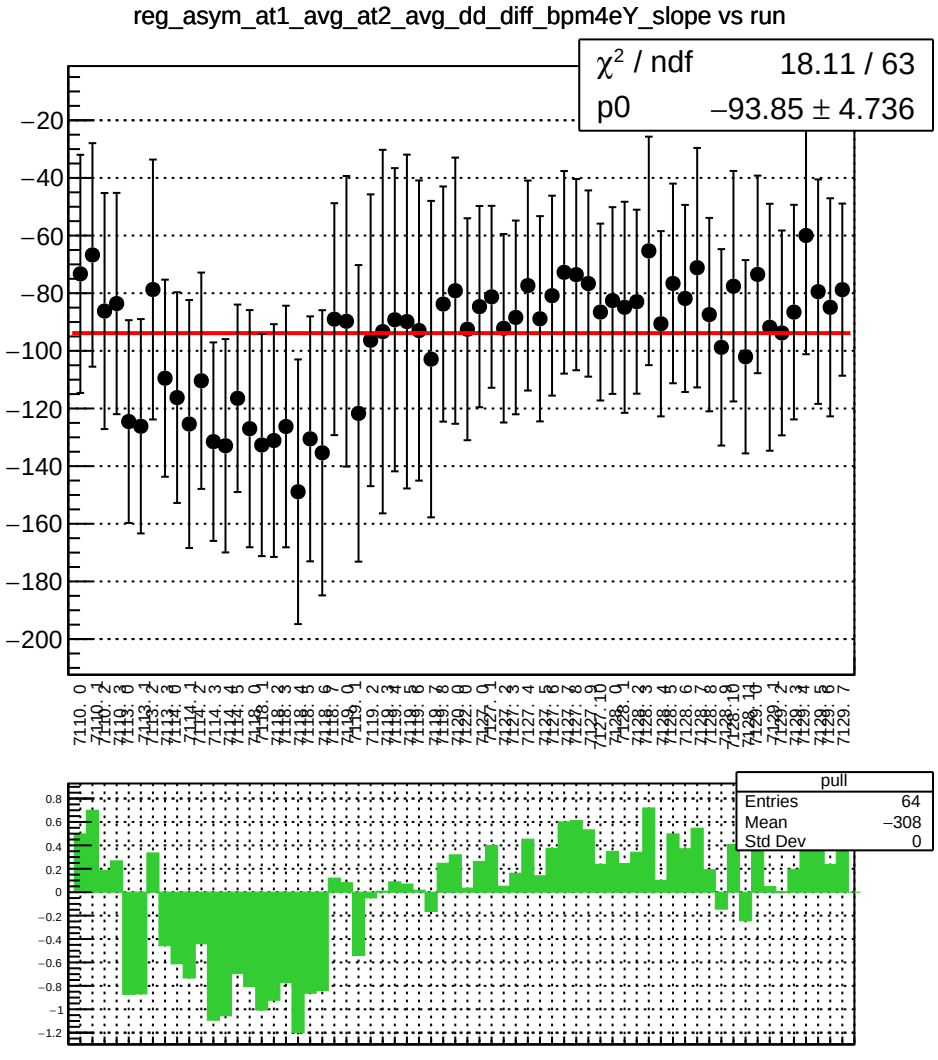

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 54.05 / 63
p0 199.5 ± 5.706
pull
Entries 64
Mean 125.6
Std Dev 0

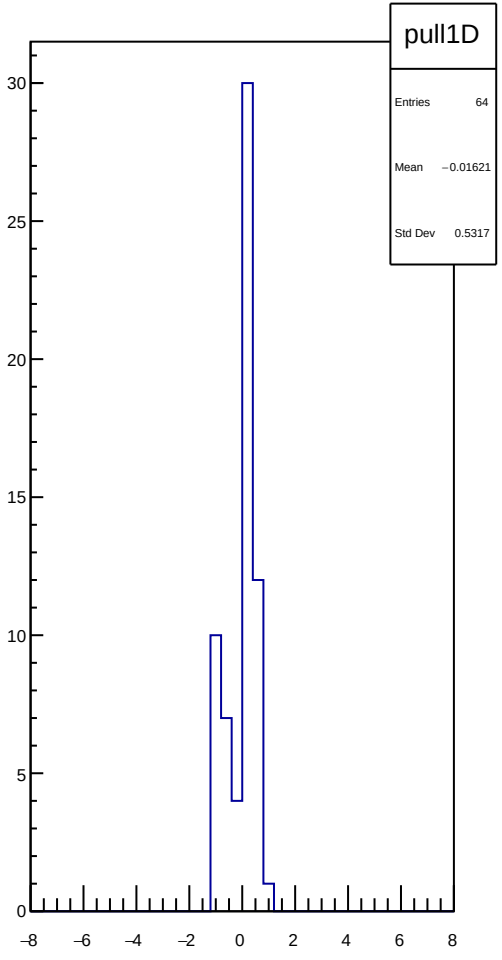

pull1D
Entries 64
Mean 0.07326
Std Dev 0.9161

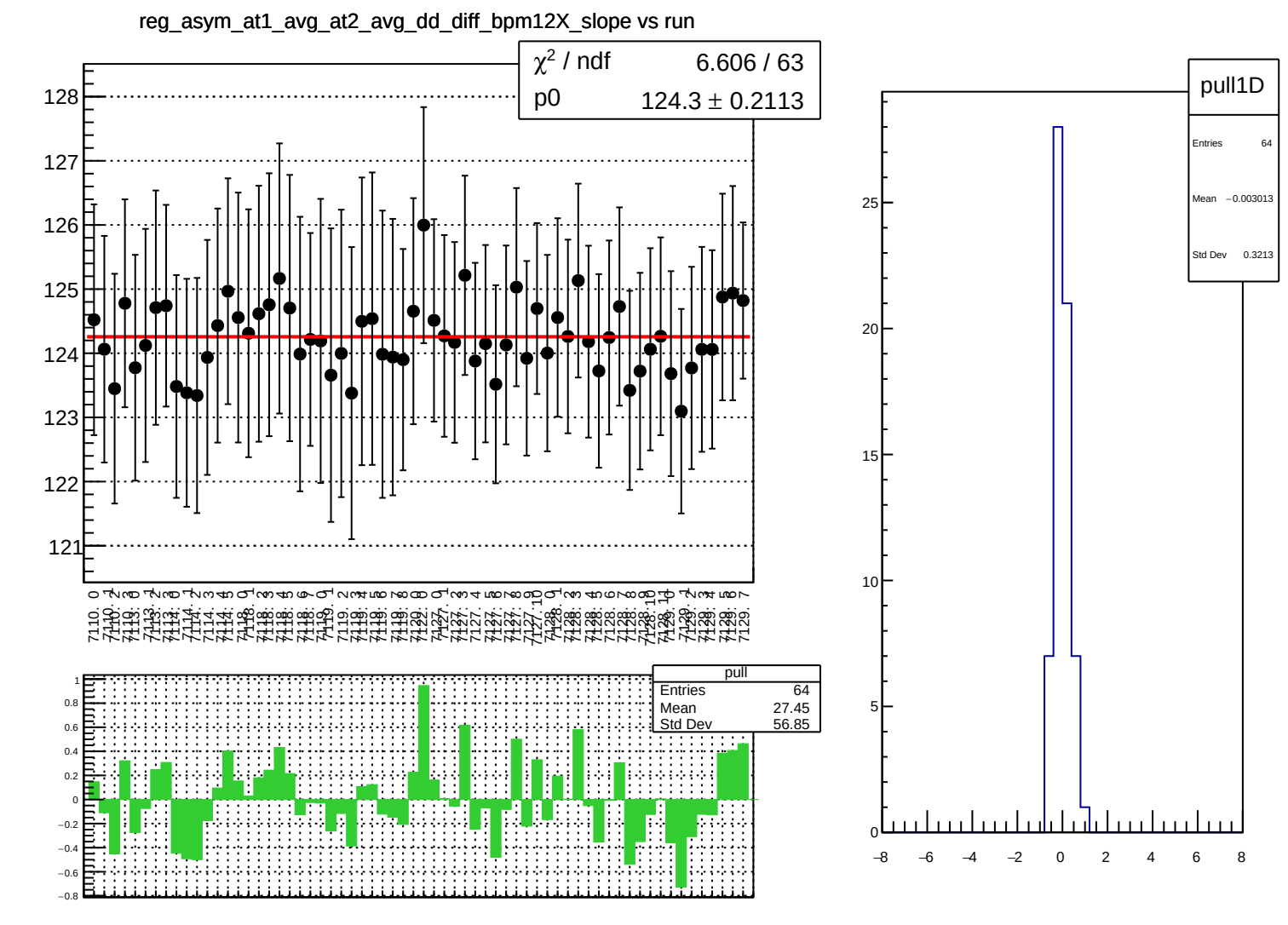

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.96 / 63
p0 18.23 ± 4.498
pull
Entries 64
Mean −291.6
Std Dev 0
pull1D
Entries 64
Mean 0.01603
Std Dev 0.4991

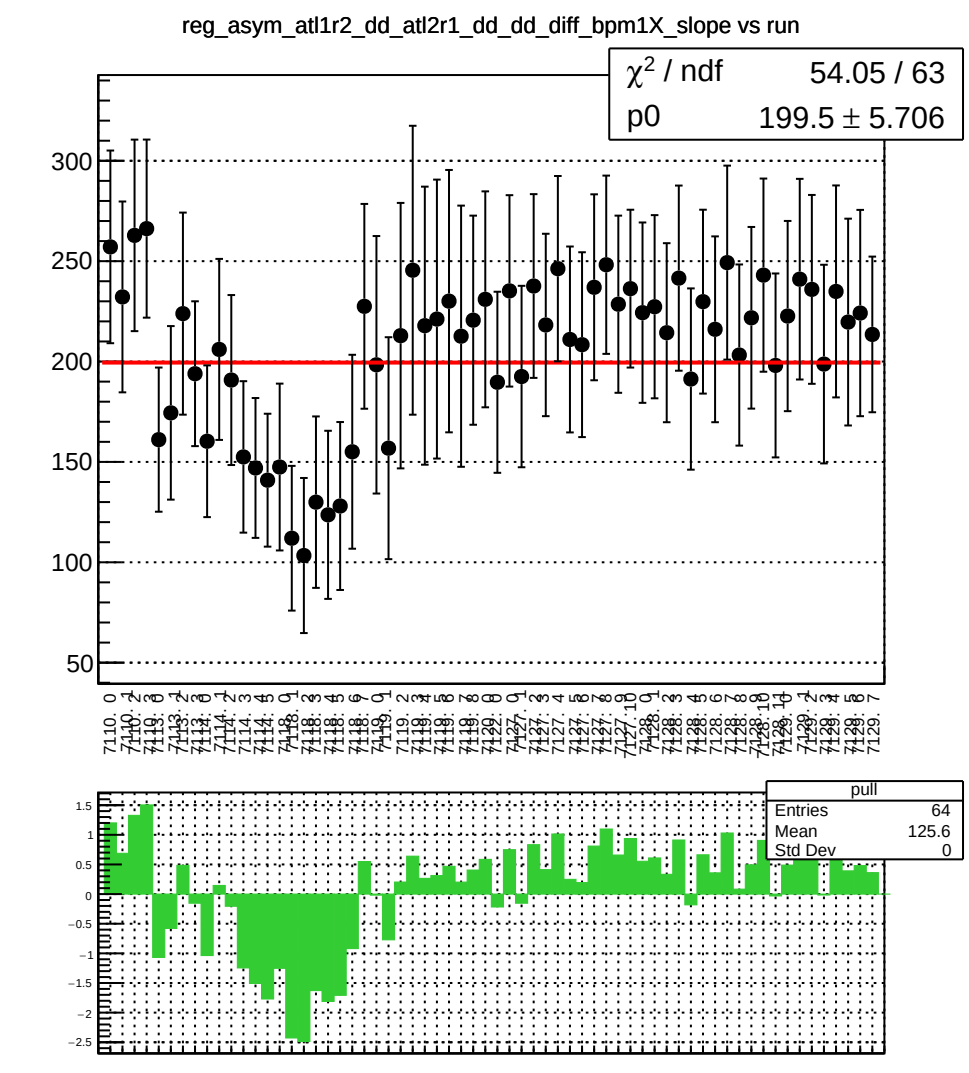

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.13 / 63
p0 −213 ± 5.668
pull
Entries 64
Mean 125.1
Std Dev 0

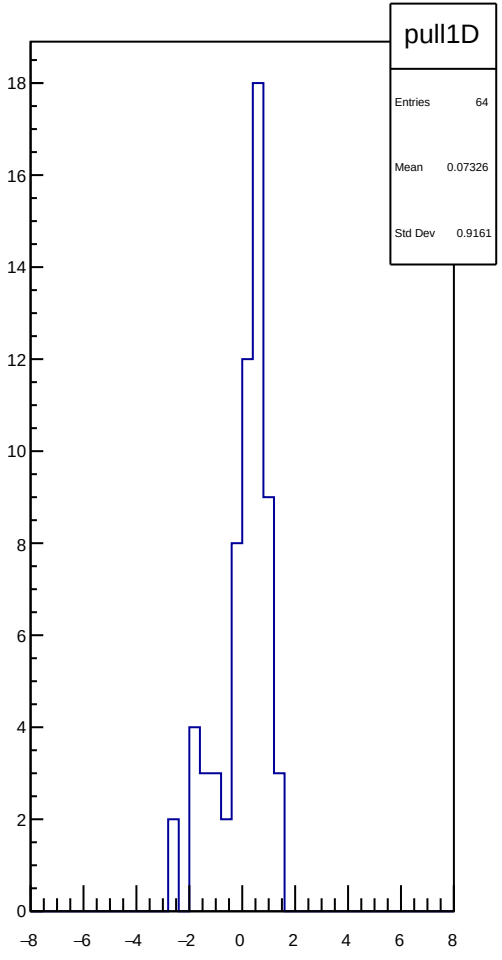

pull1D
Entries 64
Mean −0.07445
Std Dev 0.9166

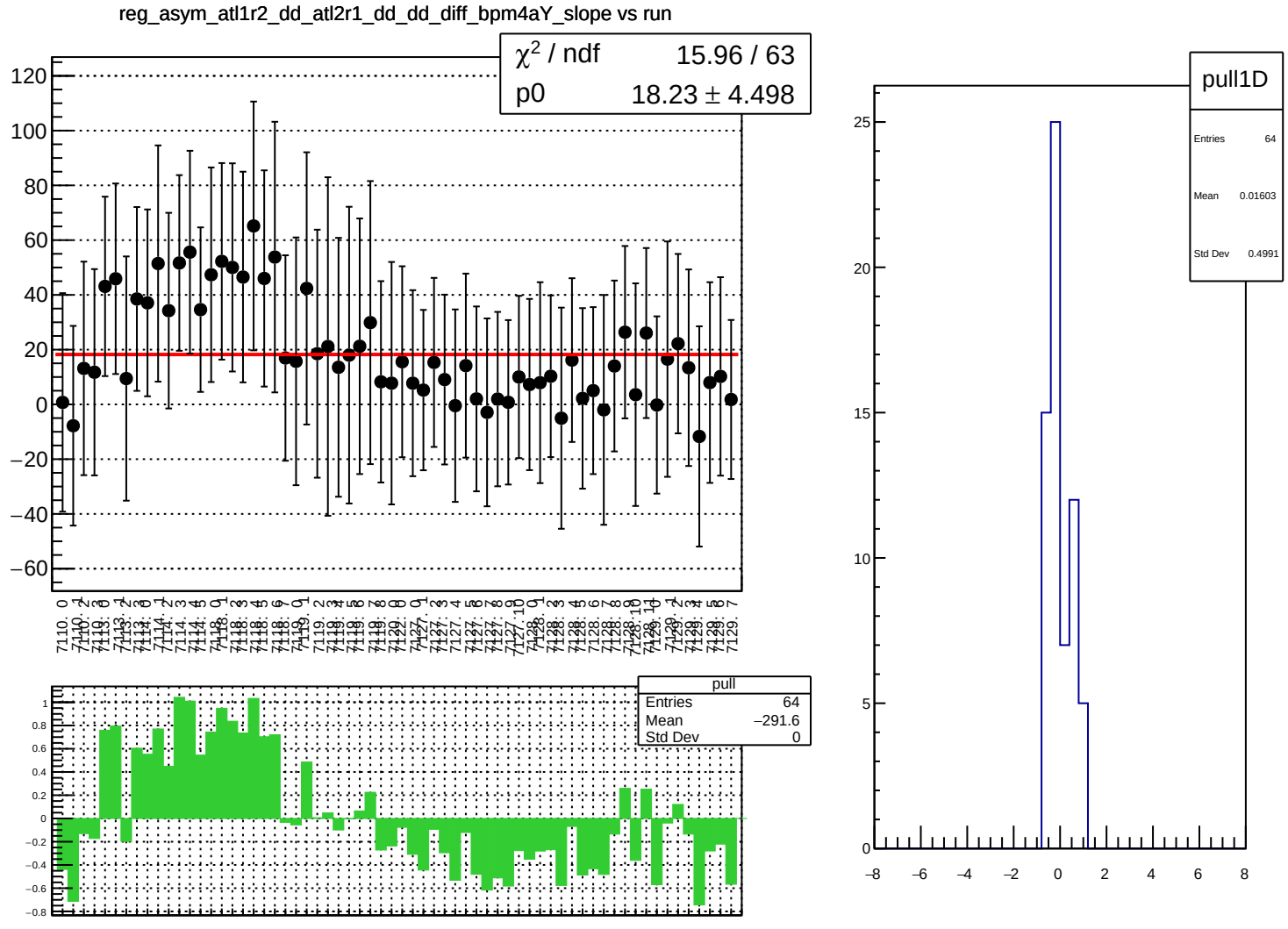

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.11 / 63
p0 −93.85 ± 4.736
pull
Entries 64
Mean −308
Std Dev 0

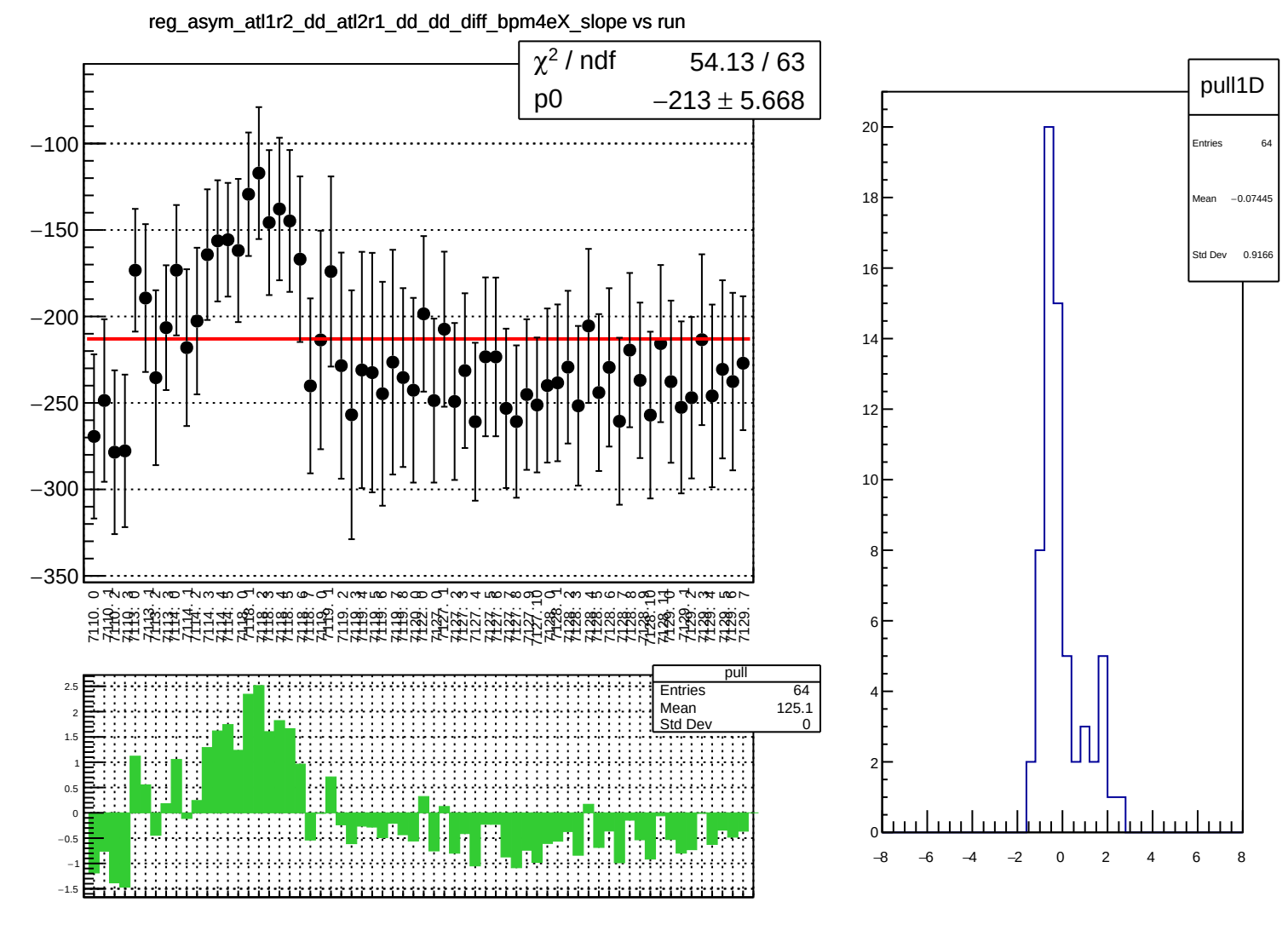

pull1D
Entries 64
Mean −0.01621
Std Dev 0.5317

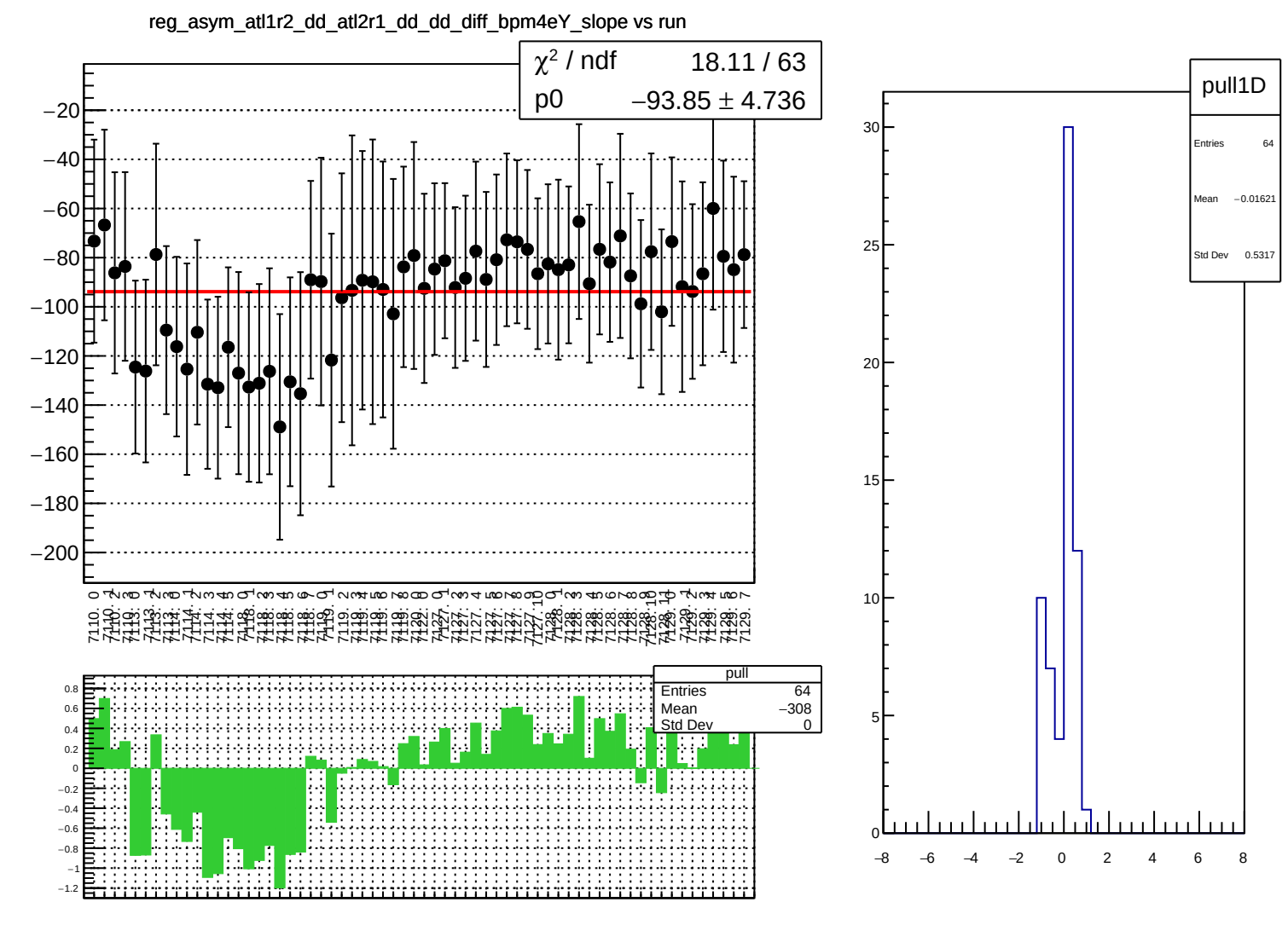

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6.606 / 63
p0 124.3 ± 0.2113
pull
Entries 64
Mean 27.45
Std Dev 56.85
pull1D
Entries 64
Mean −0.003013
Std Dev 0.3213

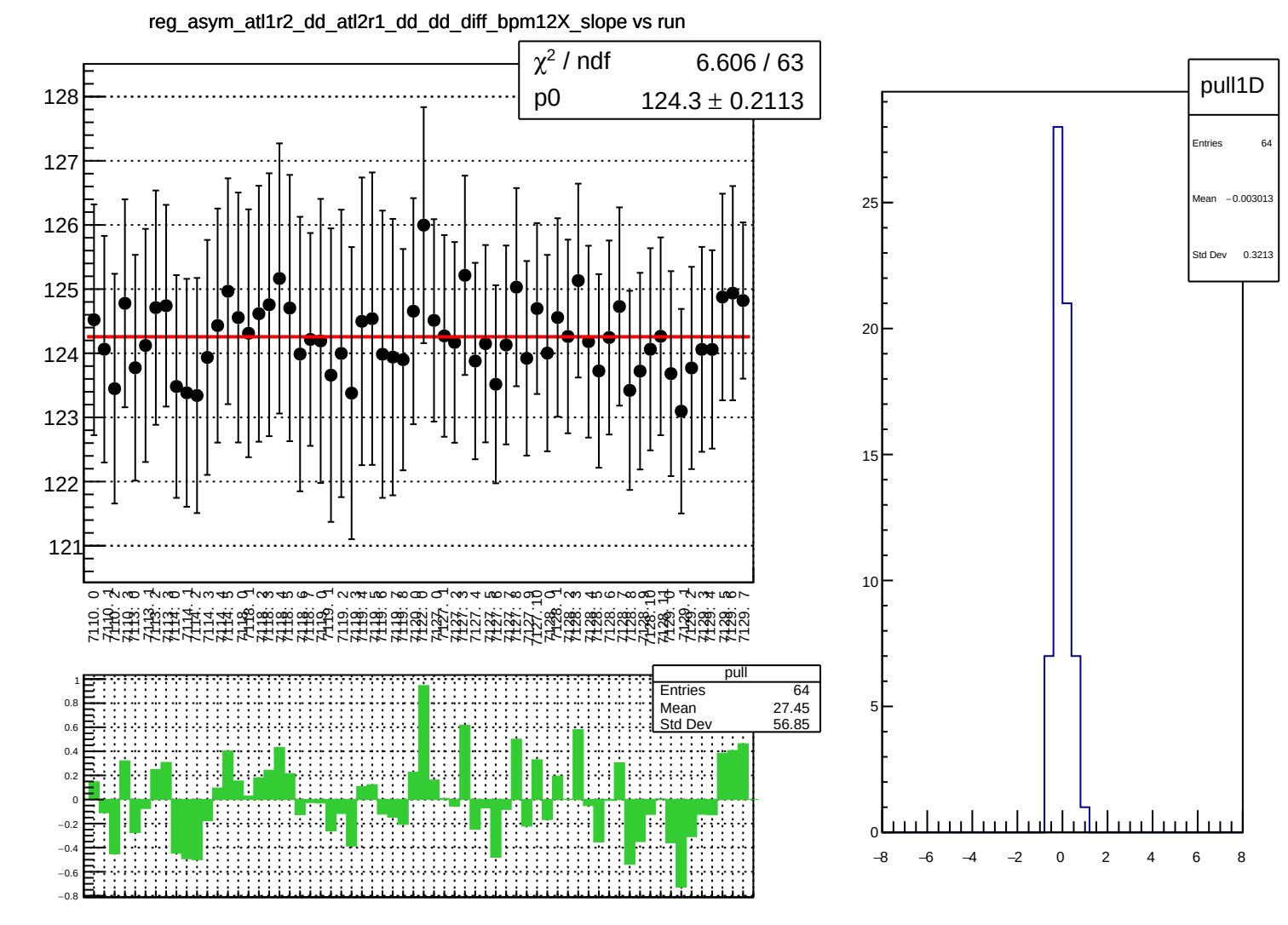

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 54.05 / 63
p0 199.5 ± 5.706
pull
Entries 64
Mean 125.6
Std Dev 0

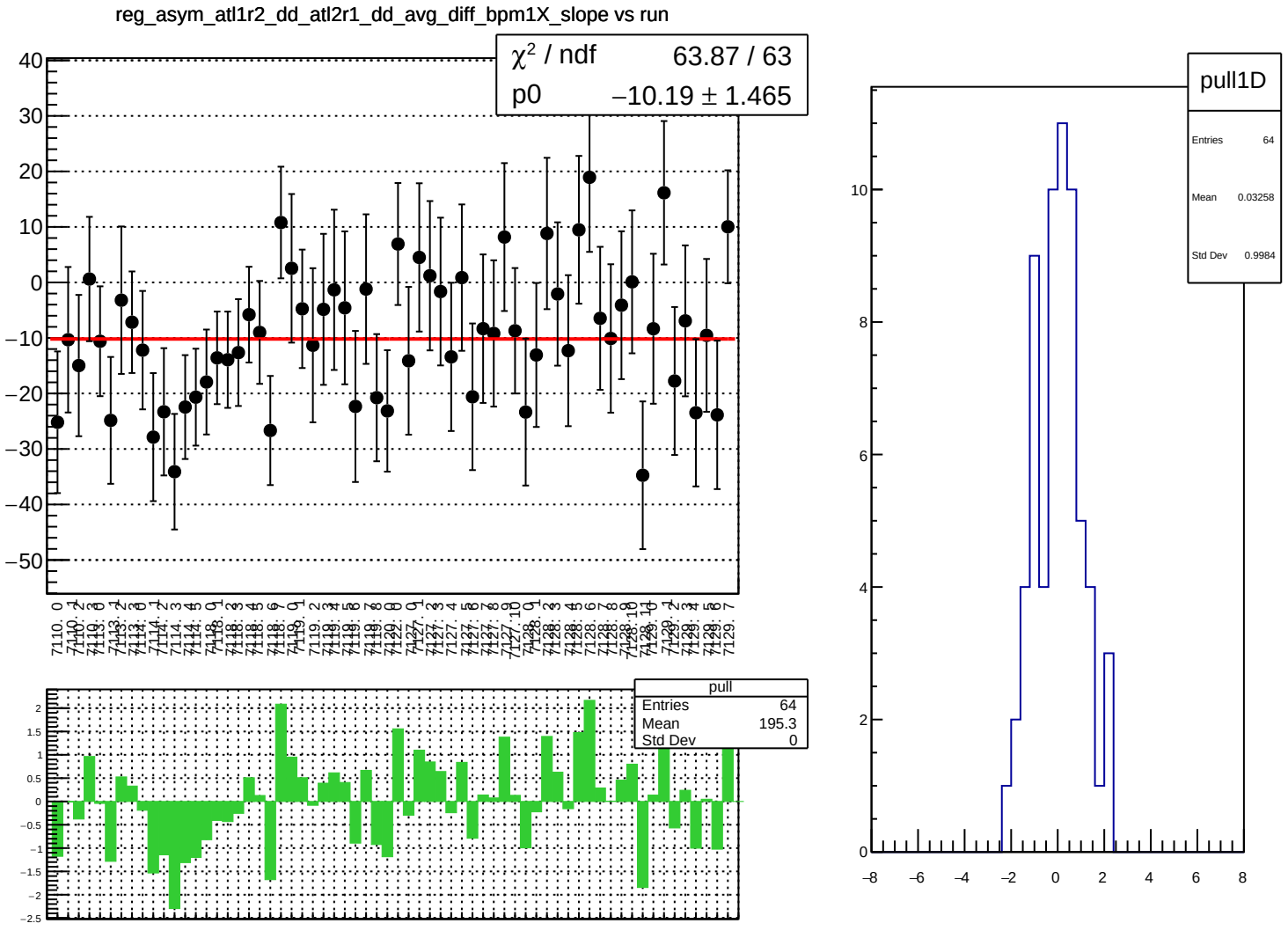

pull1D
Entries 64
Mean 0.07326
Std Dev 0.9161

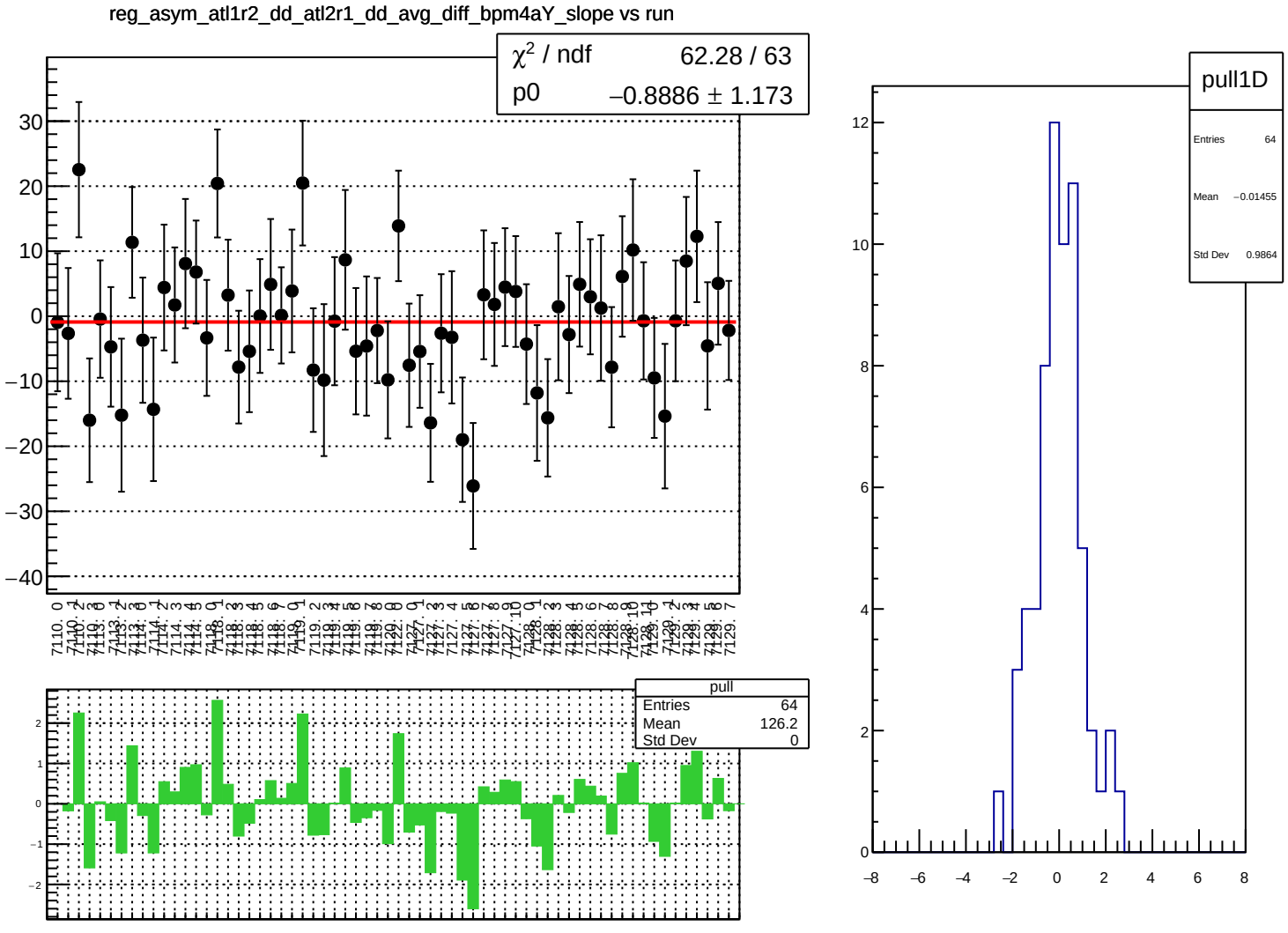

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.96 / 63
p0 18.23 ± 4.498
pull
Entries 64
Mean −291.6
Std Dev 0
pull1D
Entries 64
Mean 0.01603
Std Dev 0.4991

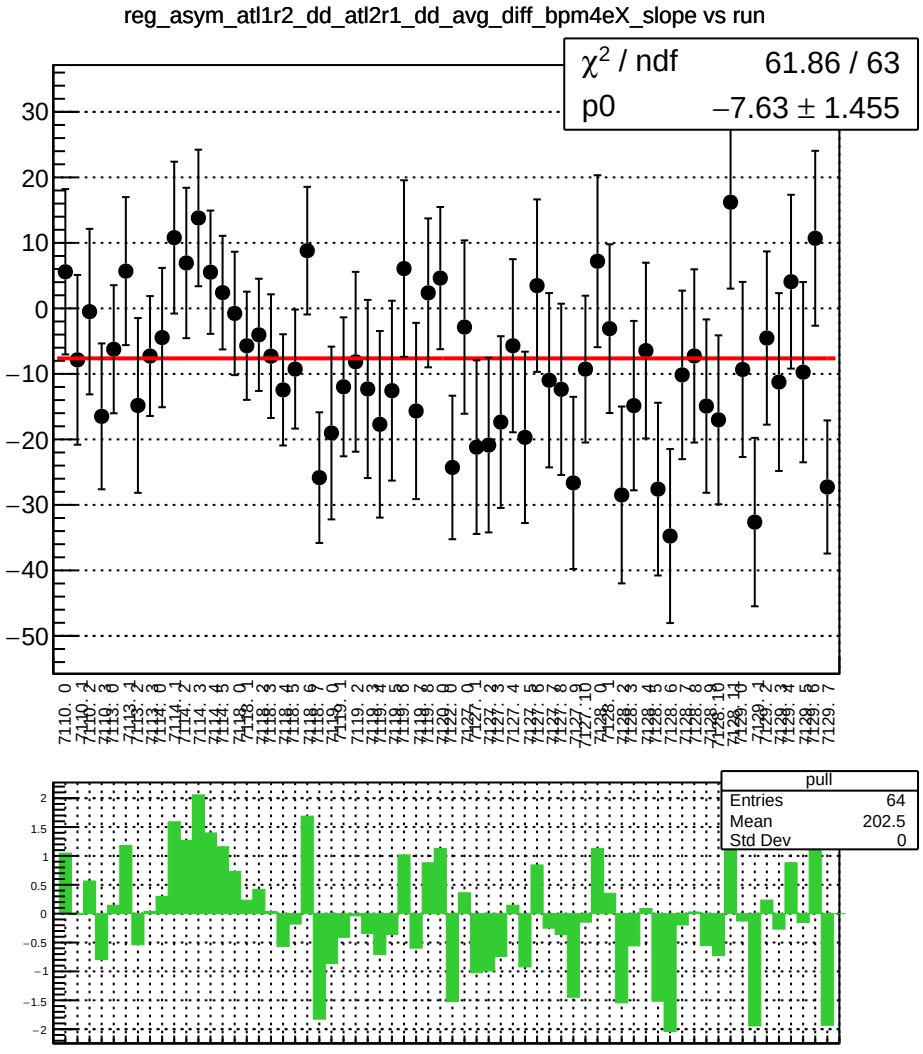

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.13 / 63
p0 −213 ± 5.668
pull
Entries 64
Mean 125.1
Std Dev 0
pull1D
Entries 64
Mean −0.07445
Std Dev 0.9166

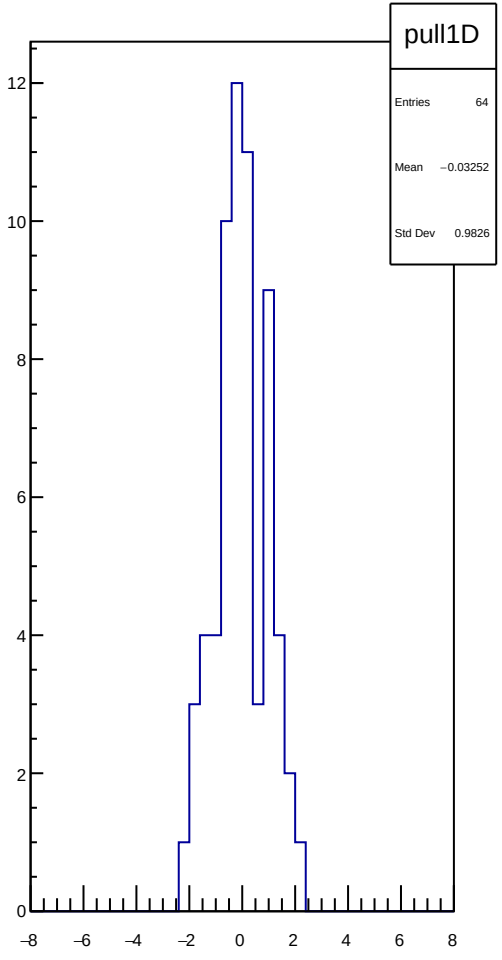

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.11 / 63
p0 −93.85 ± 4.736
pull
Entries 64
Mean −308
Std Dev 0
pull1D
Entries 64
Mean −0.01621
Std Dev 0.5317

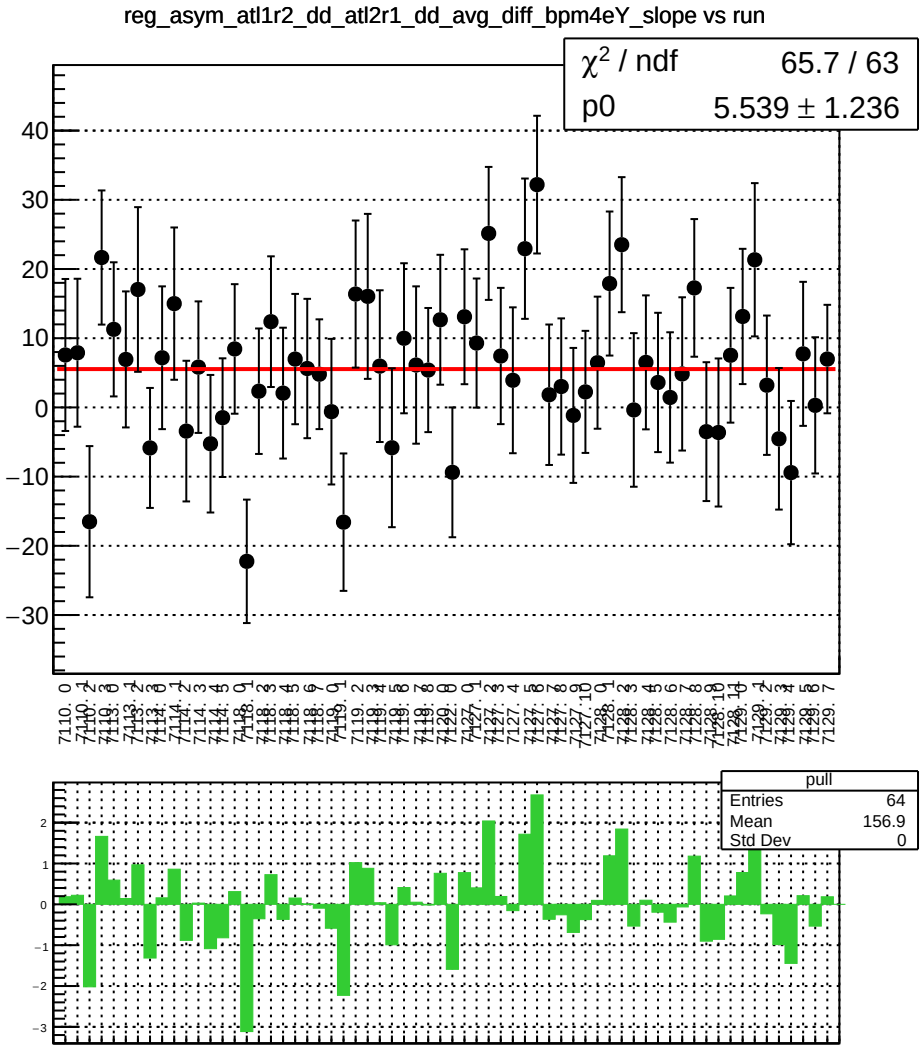

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6.606 / 63
p0 124.3 ± 0.2113
pull
Entries 64
Mean 27.45
Std Dev 56.85
pull1D
Entries 64
Mean −0.003013
Std Dev 0.3213

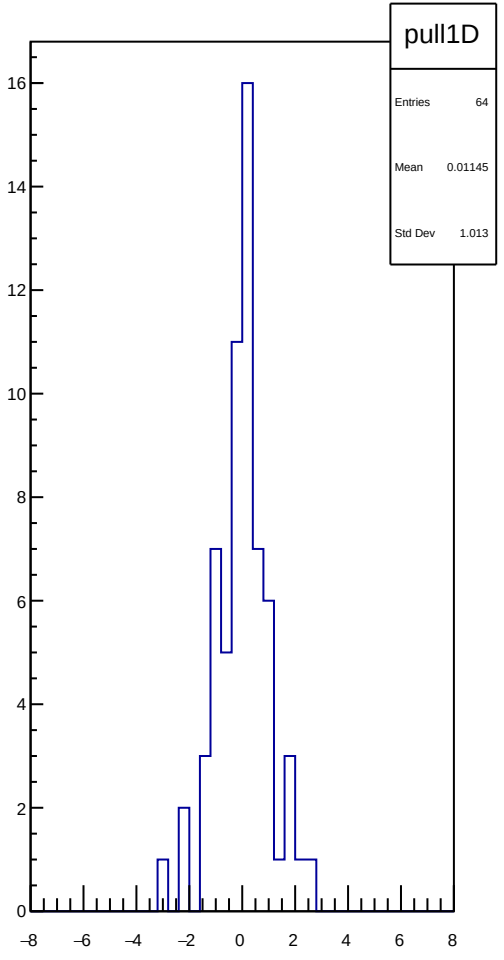

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 63.87 / 63
p0 −10.19 ± 1.465
pull
Entries 64
Mean 195.3
Std Dev 0
pull1D
Entries 64
Mean 0.03258
Std Dev 0.9984

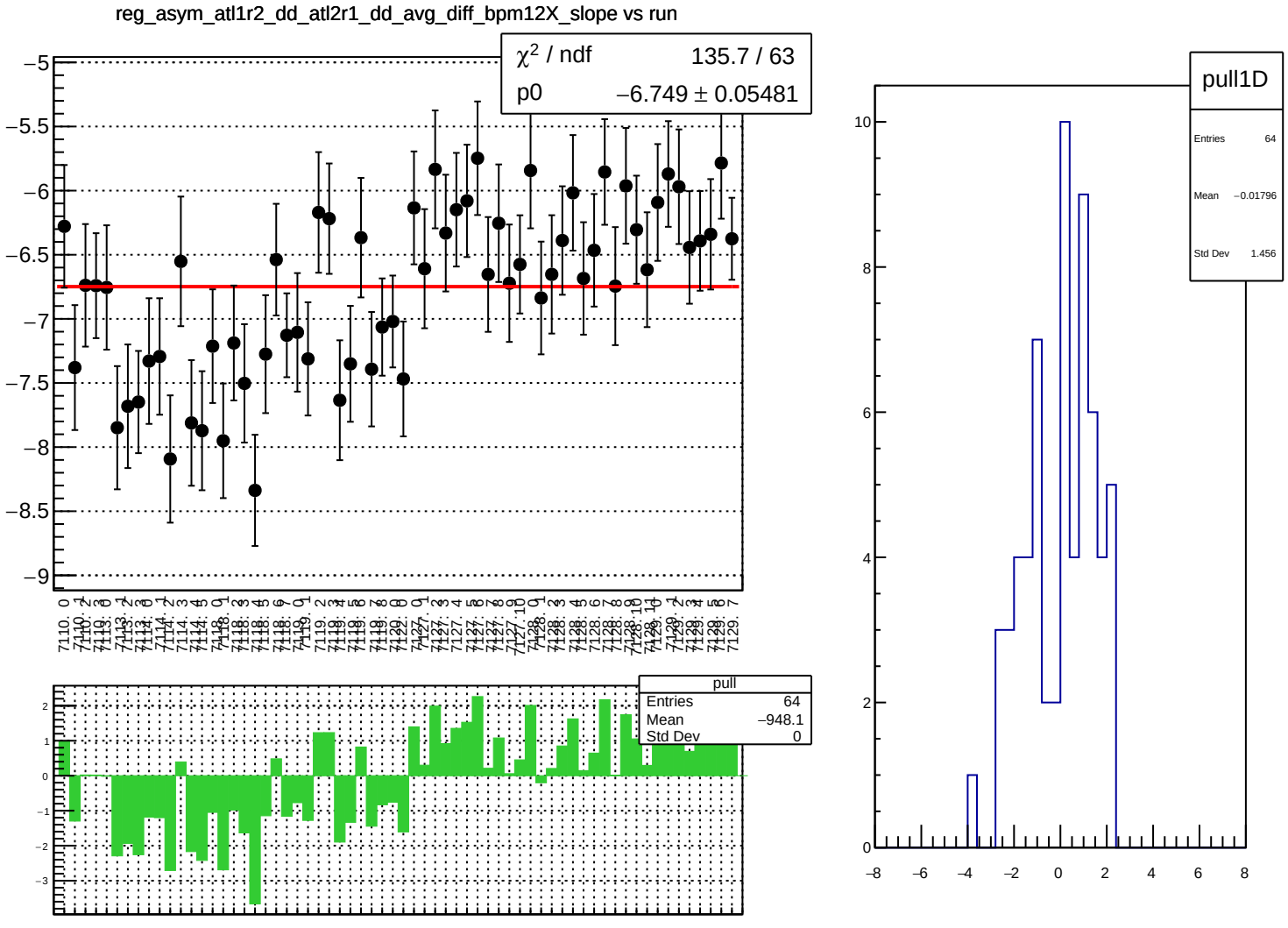

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.28 / 63
p0 −0.8886 ± 1.173
pull
Entries 64
Mean 126.2
Std Dev 0
pull1D
Entries 64
Mean −0.01455
Std Dev 0.9864

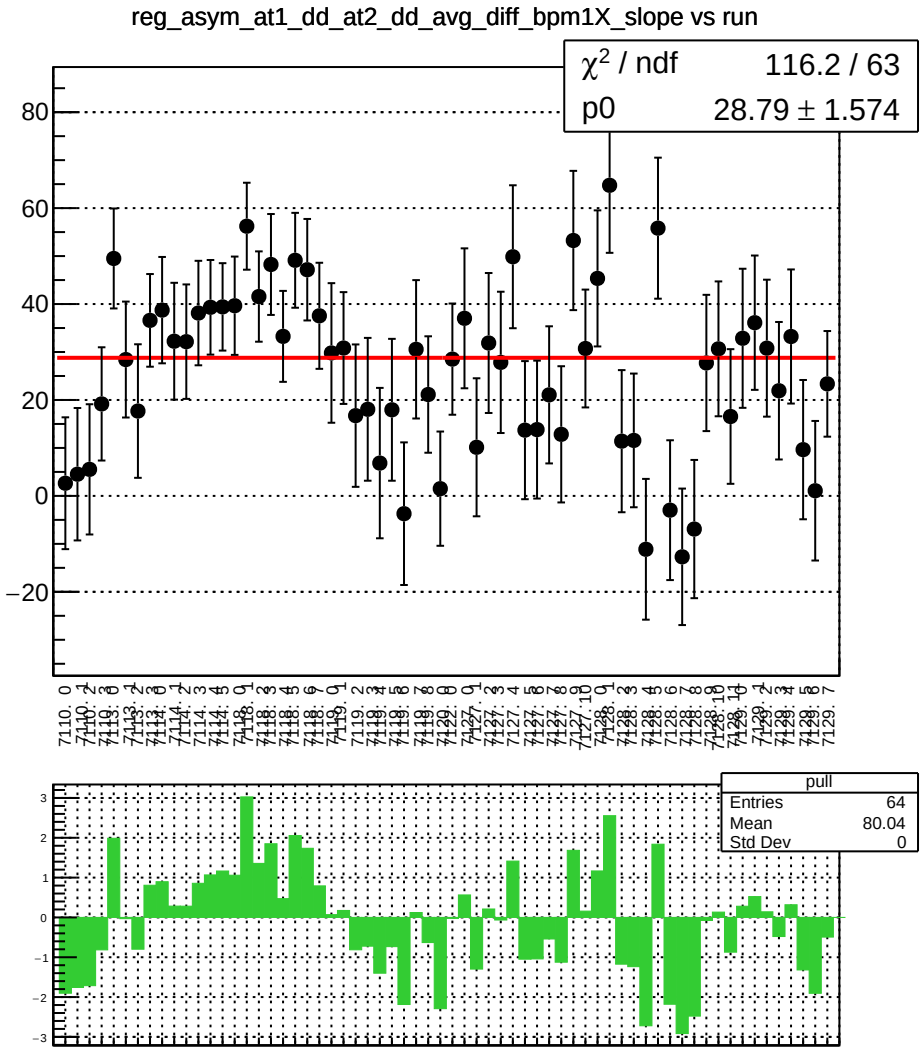

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.86 / 63
p0 −7.63 ± 1.455
pull
Entries 64
Mean 202.5
Std Dev 0

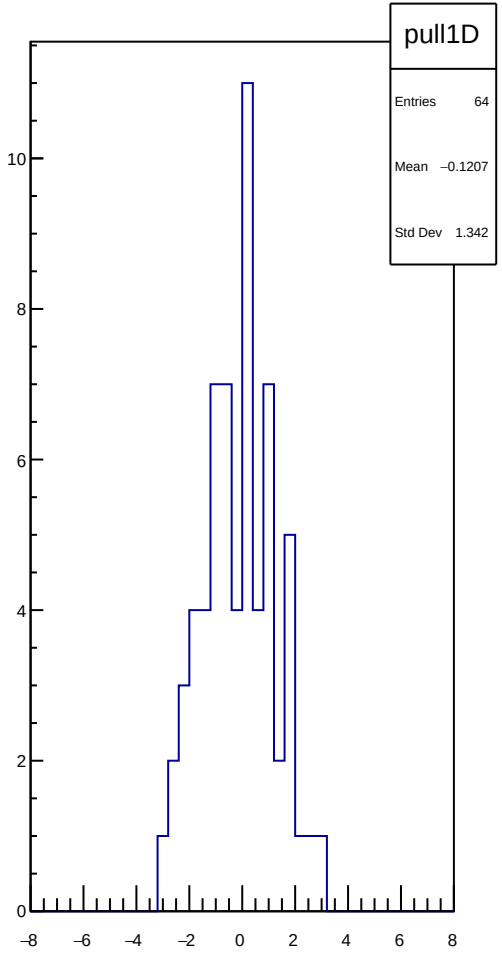

pull1D
Entries 64
Mean −0.03252
Std Dev 0.9826

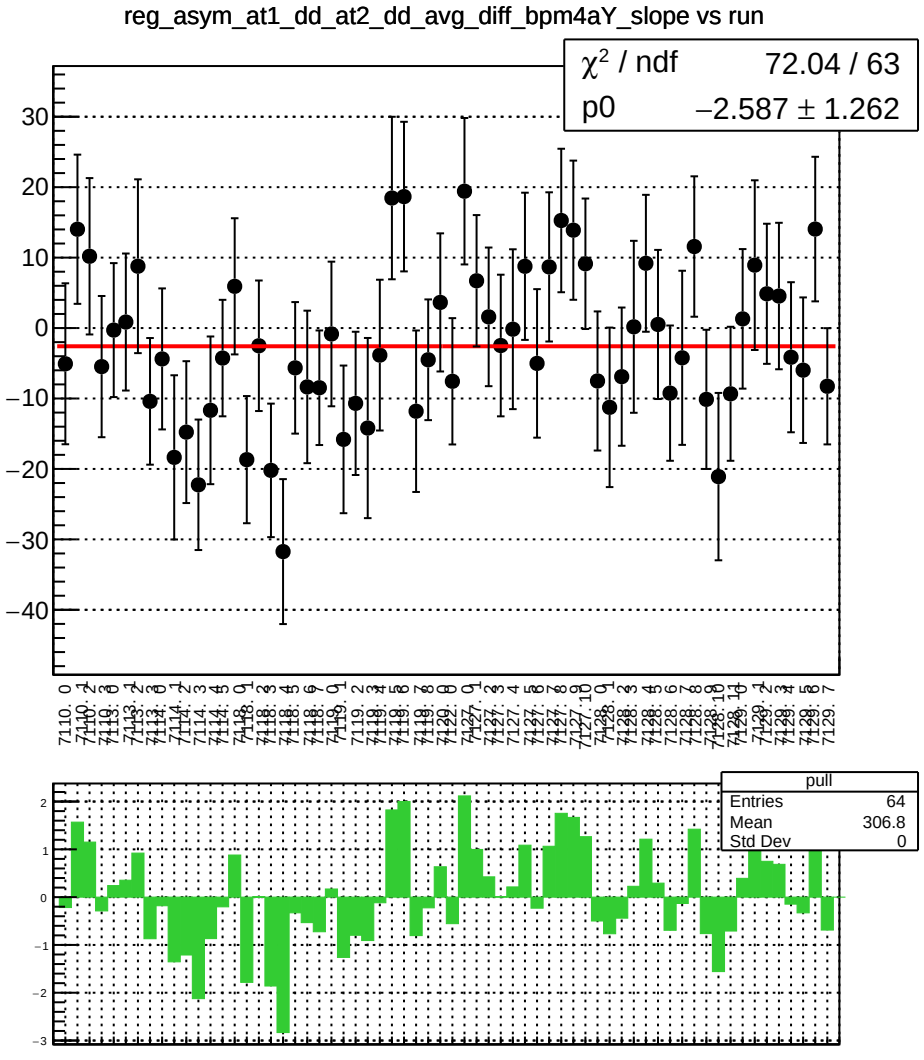

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.7 / 63
p0 5.539 ± 1.236
pull
Entries 64
Mean 156.9
Std Dev 0

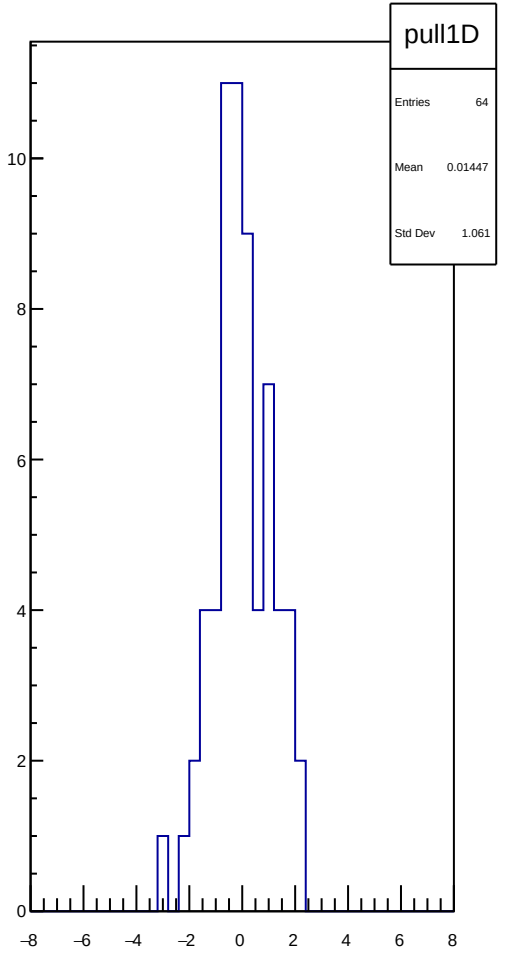

pull1D
Entries 64
Mean 0.01145
Std Dev 1.013

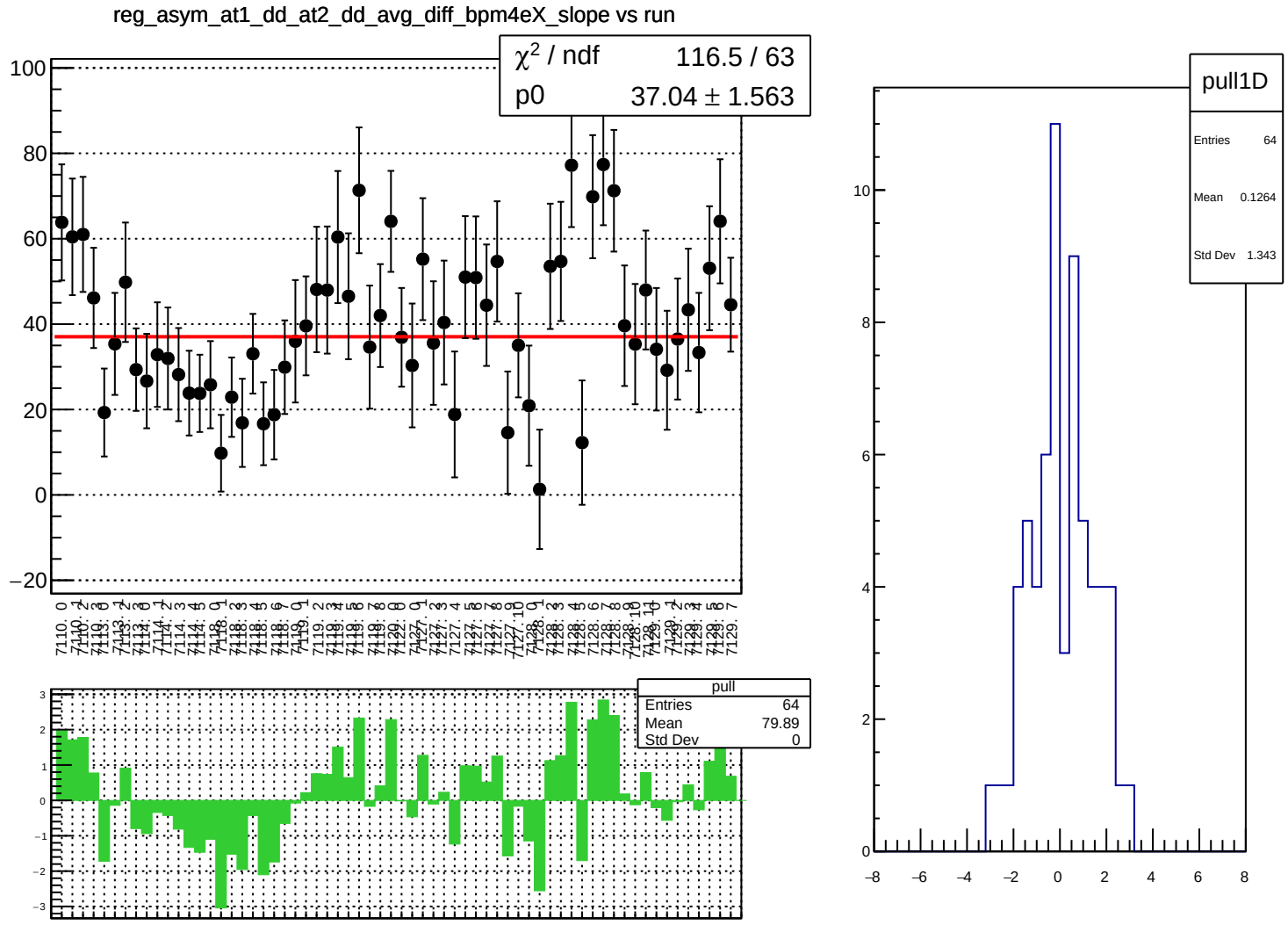

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 135.7 / 63
p0 −6.749 ± 0.05481
pull
Entries 64
Mean −948.1
Std Dev 0
pull1D
Entries 64
Mean −0.01796
Std Dev 1.456

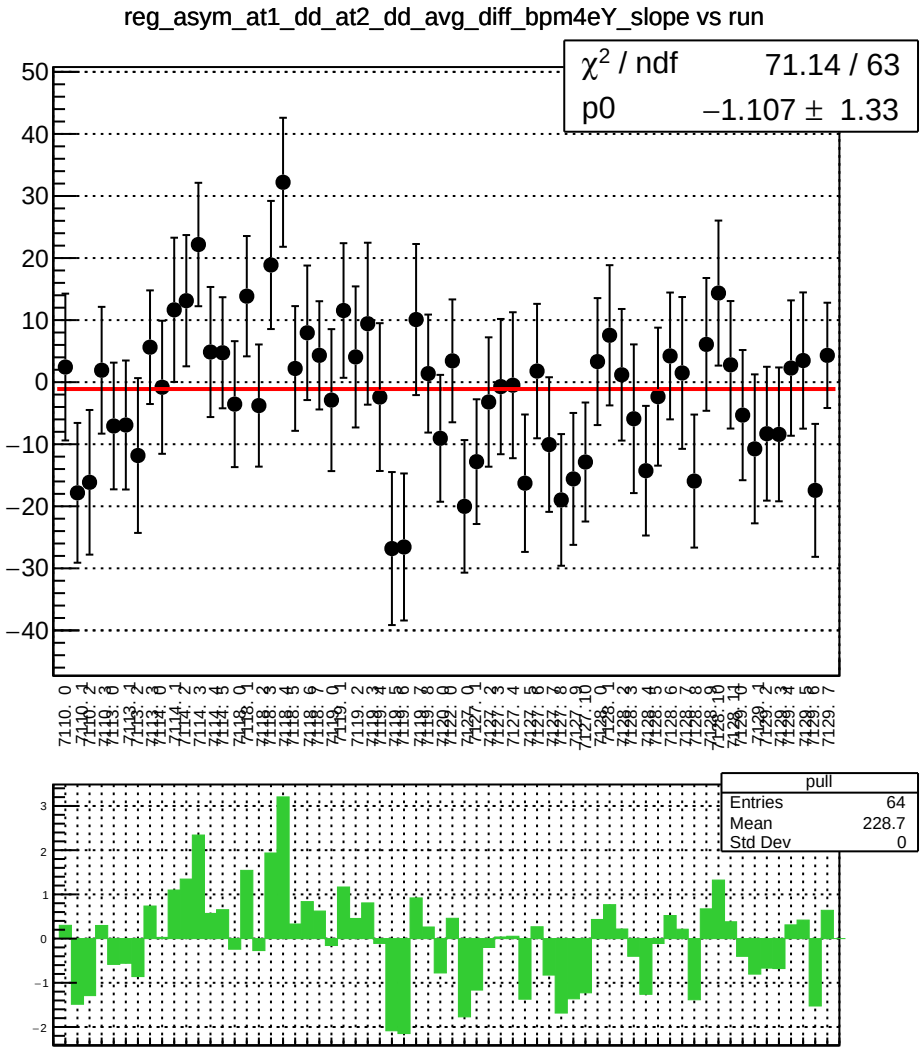

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 116.2 / 63
p0 28.79 ± 1.574
pull
Entries 64
Mean 80.04
Std Dev 0

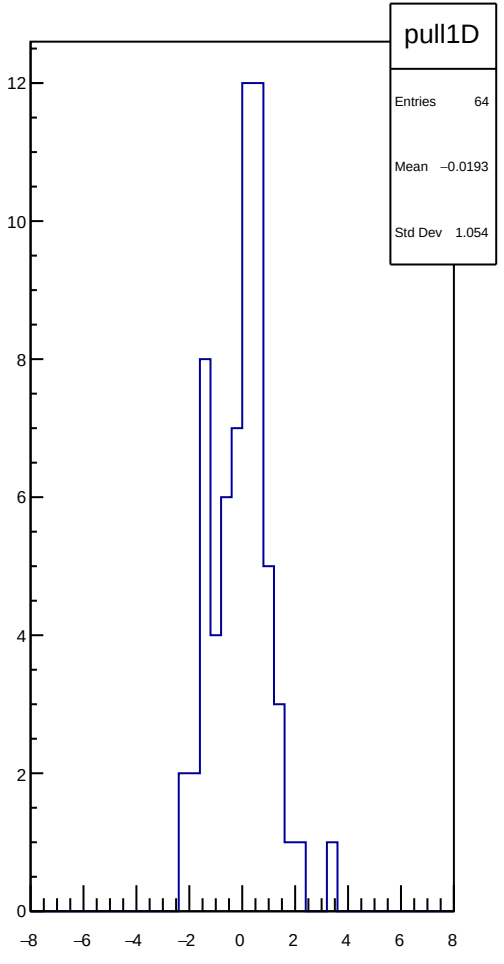

pull1D
Entries 64
Mean −0.1207
Std Dev 1.342

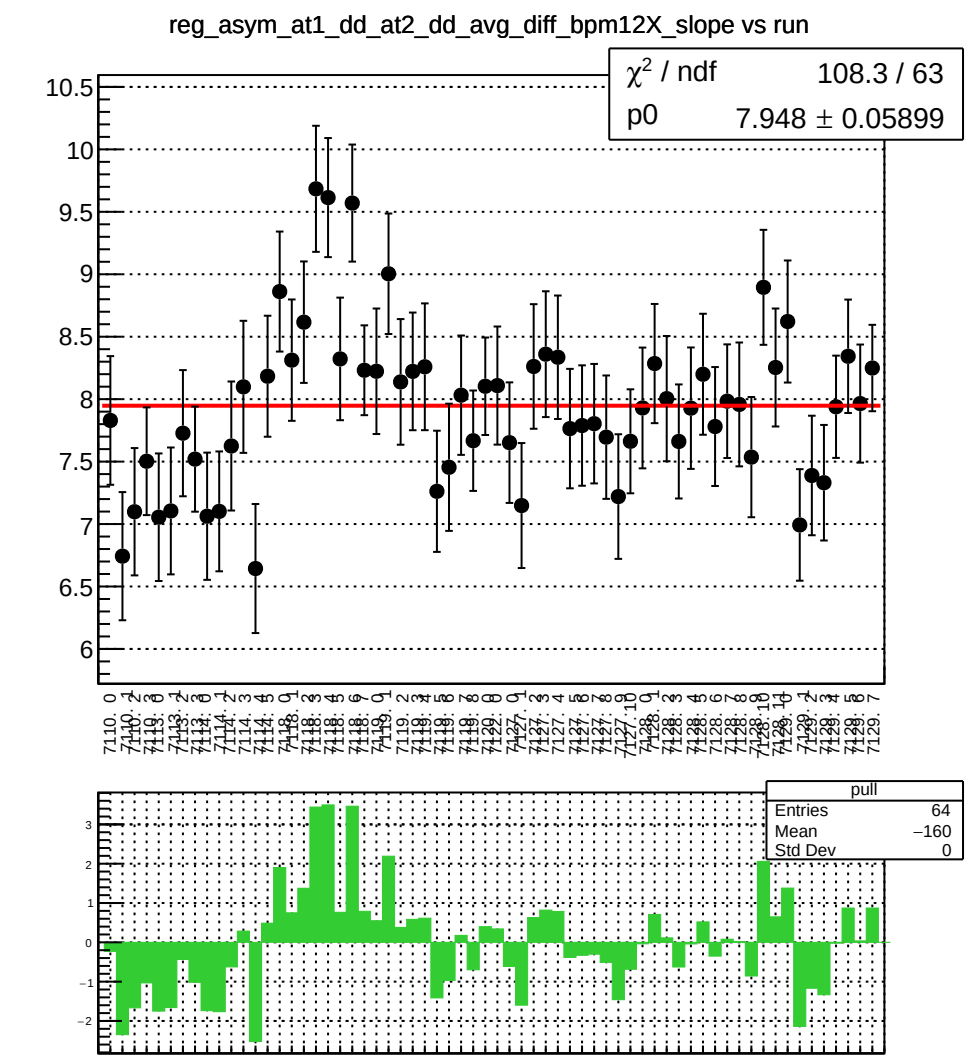

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 72.04 / 63
p0 −2.587 ± 1.262
pull
Entries 64
Mean 306.8
Std Dev 0

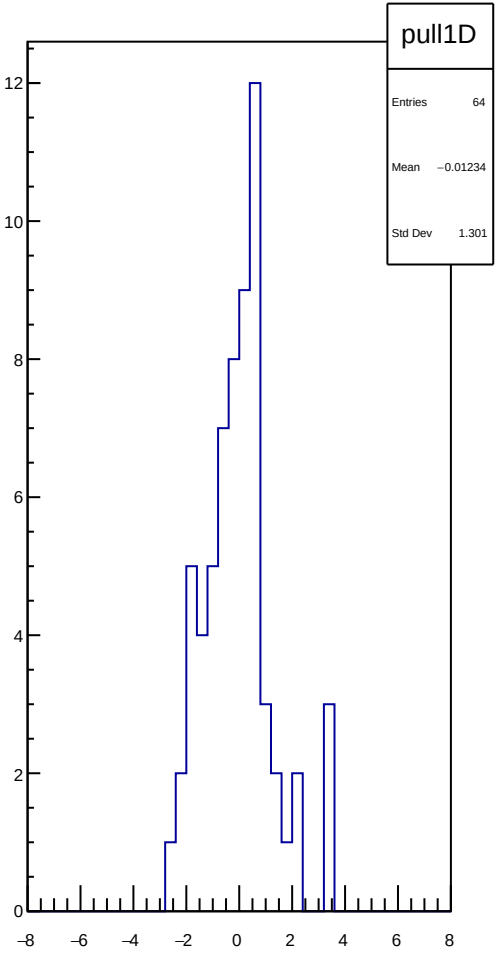

pull1D
Entries 64
Mean 0.01447
Std Dev 1.061

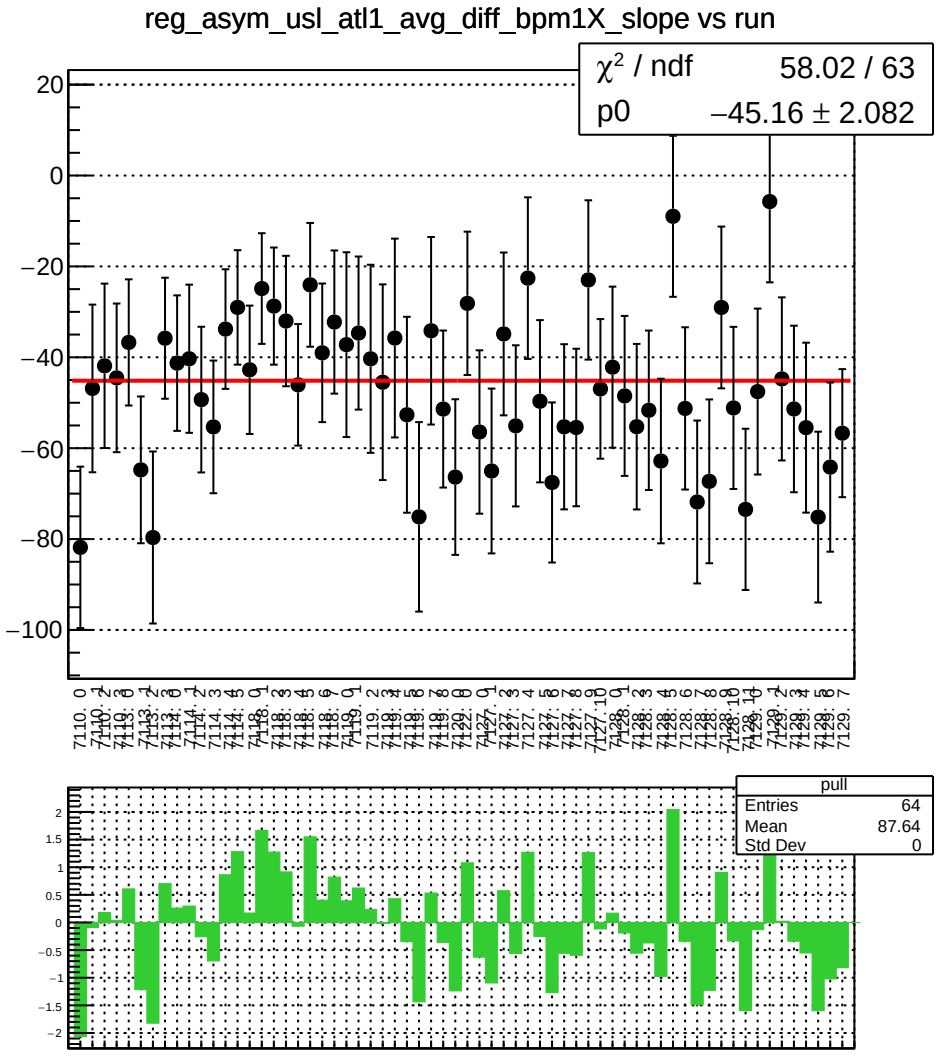

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 116.5 / 63
p0 37.04 ± 1.563
pull
Entries 64
Mean 79.89
Std Dev 0
pull1D
Entries 64
Mean 0.1264
Std Dev 1.343

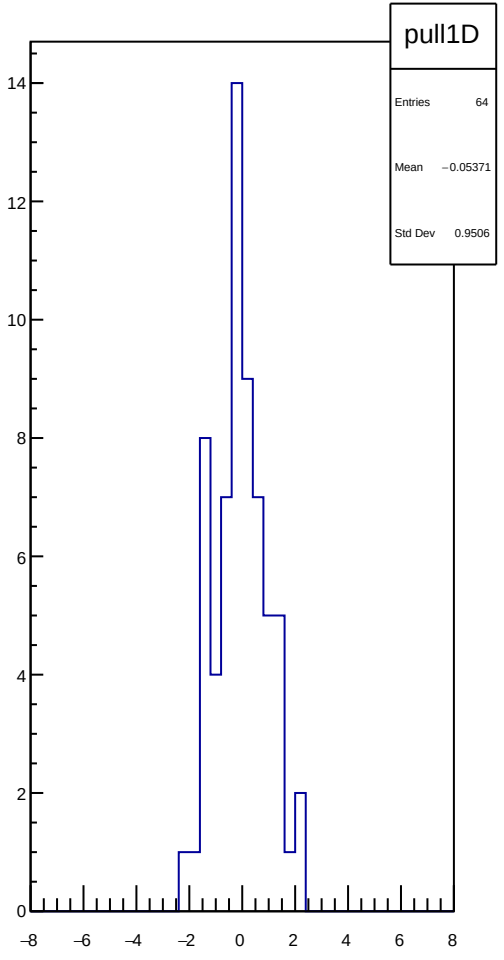

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 71.14 / 63
p0 −1.107 ± 1.33
pull
Entries 64
Mean 228.7
Std Dev 0

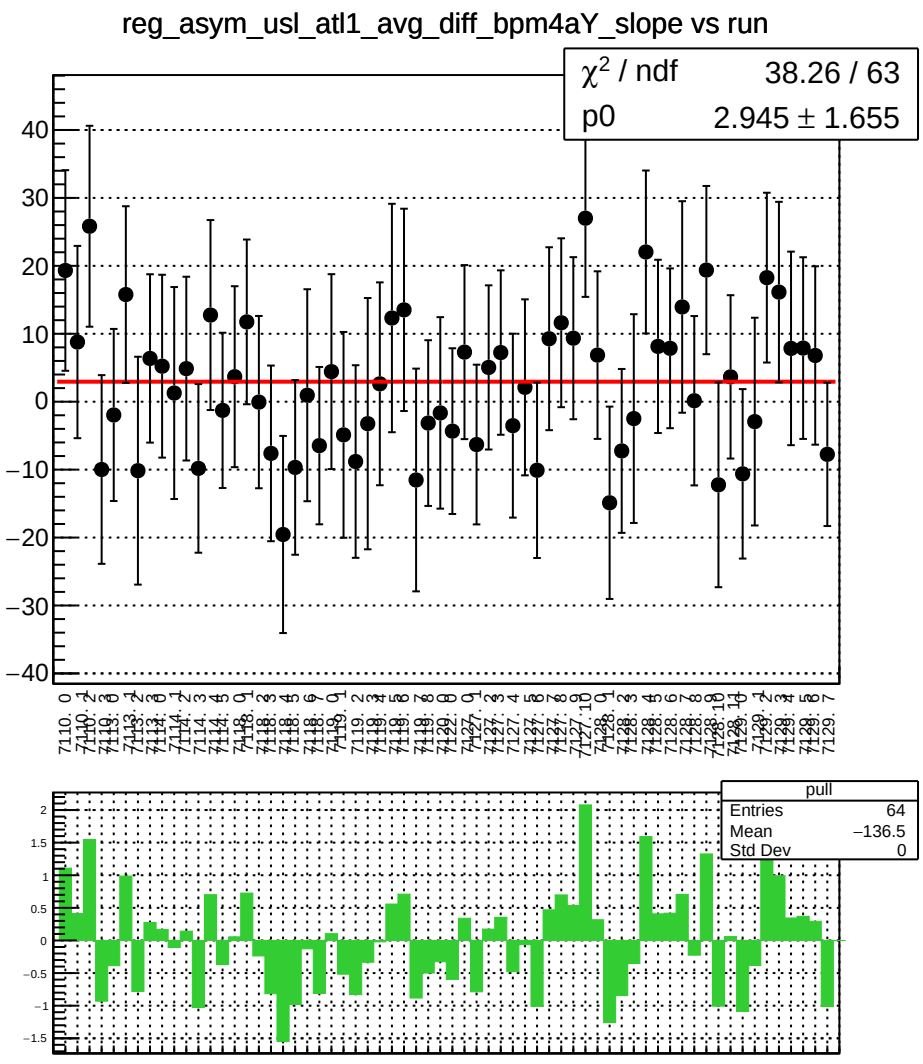

pull1D
Entries 64
Mean −0.0193
Std Dev 1.054

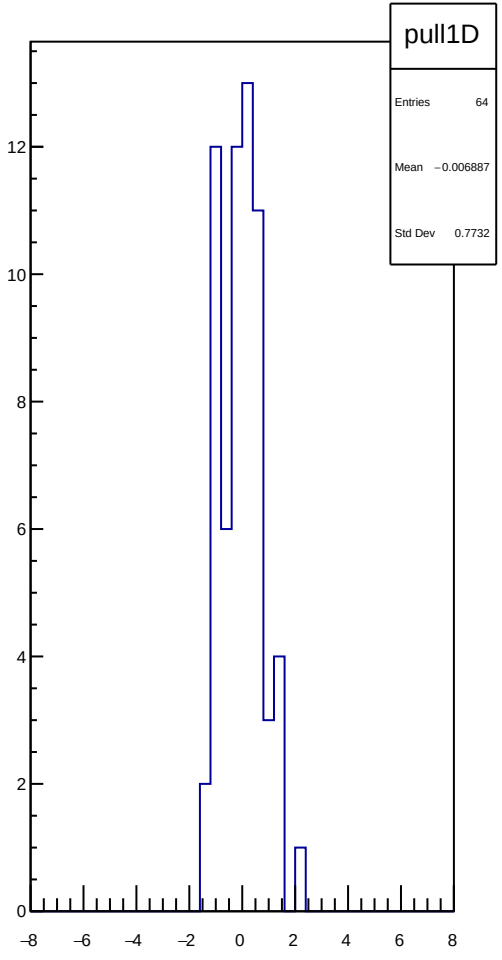

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 108.3 / 63
p0 7.948 ± 0.05899
pull
Entries 64
Mean −160
Std Dev 0

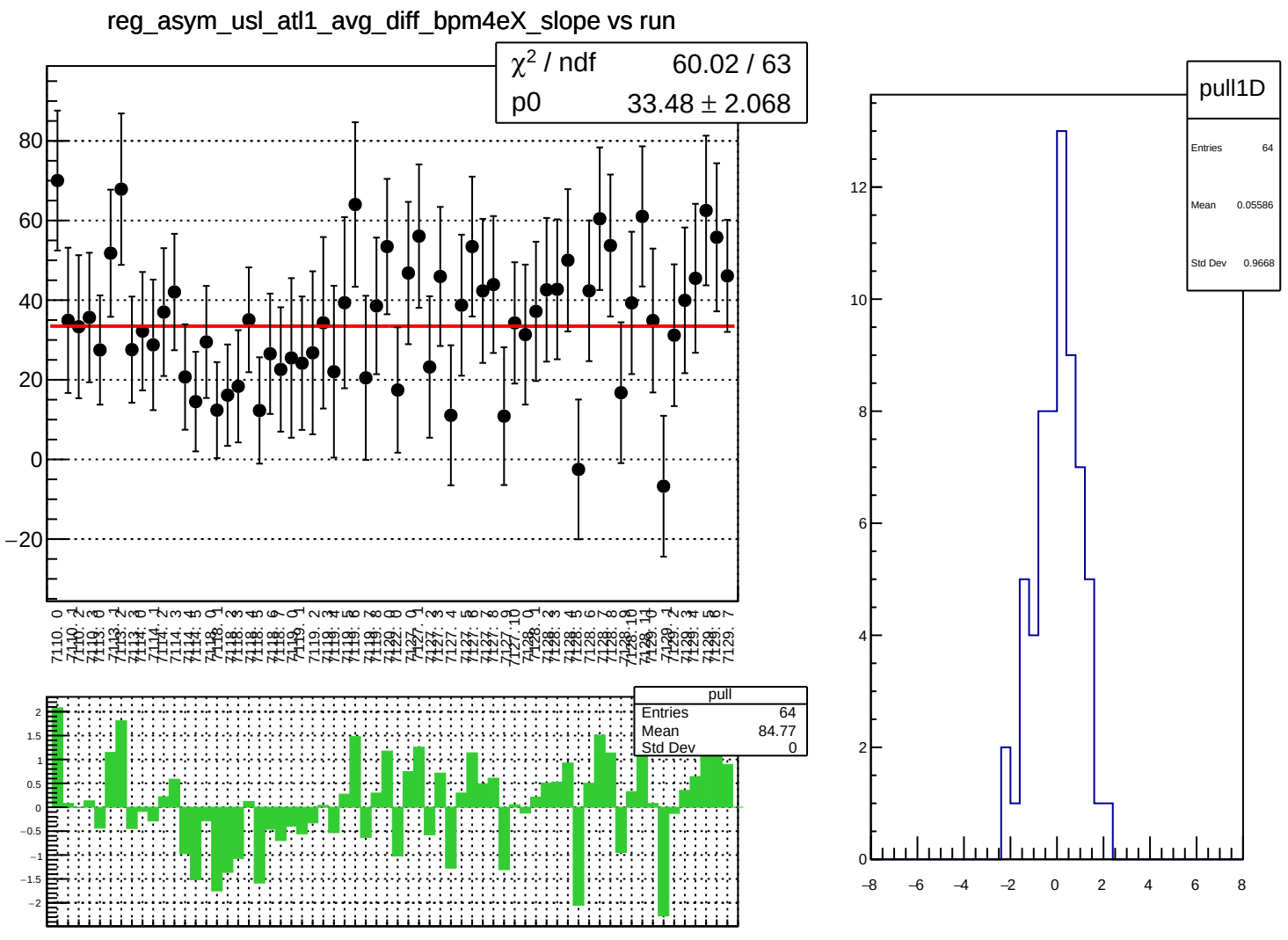

pull1D
Entries 64
Mean −0.01234
Std Dev 1.301

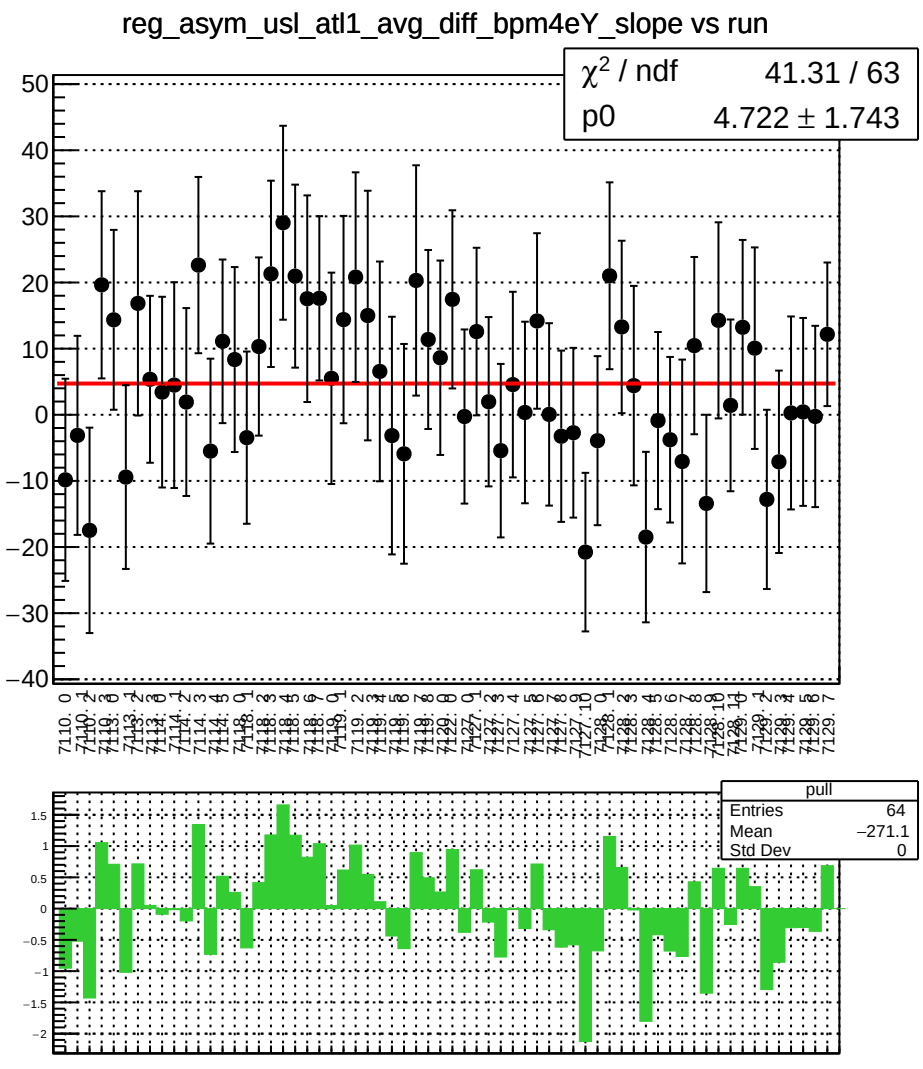

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 58.02 / 63
p0 −45.16 ± 2.082
pull
Entries 64
Mean 87.64
Std Dev 0

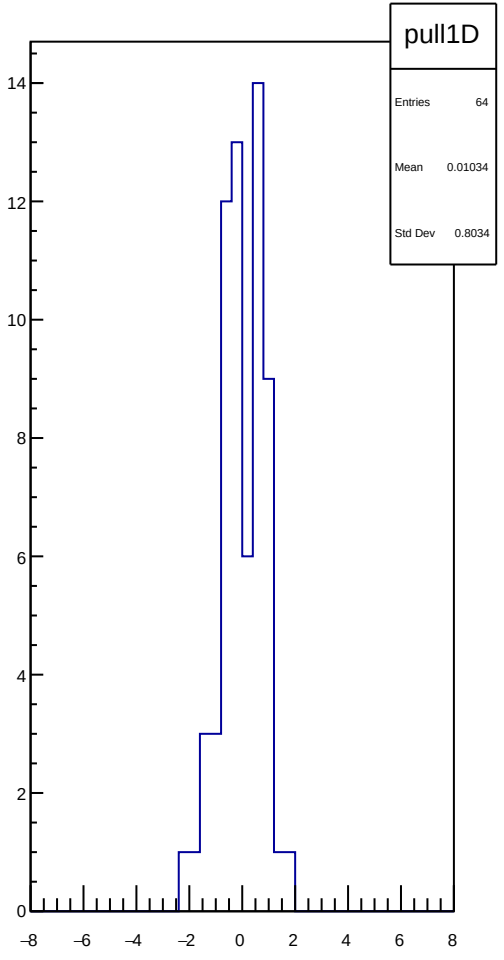

pull1D
Entries 64
Mean −0.05371
Std Dev 0.9506

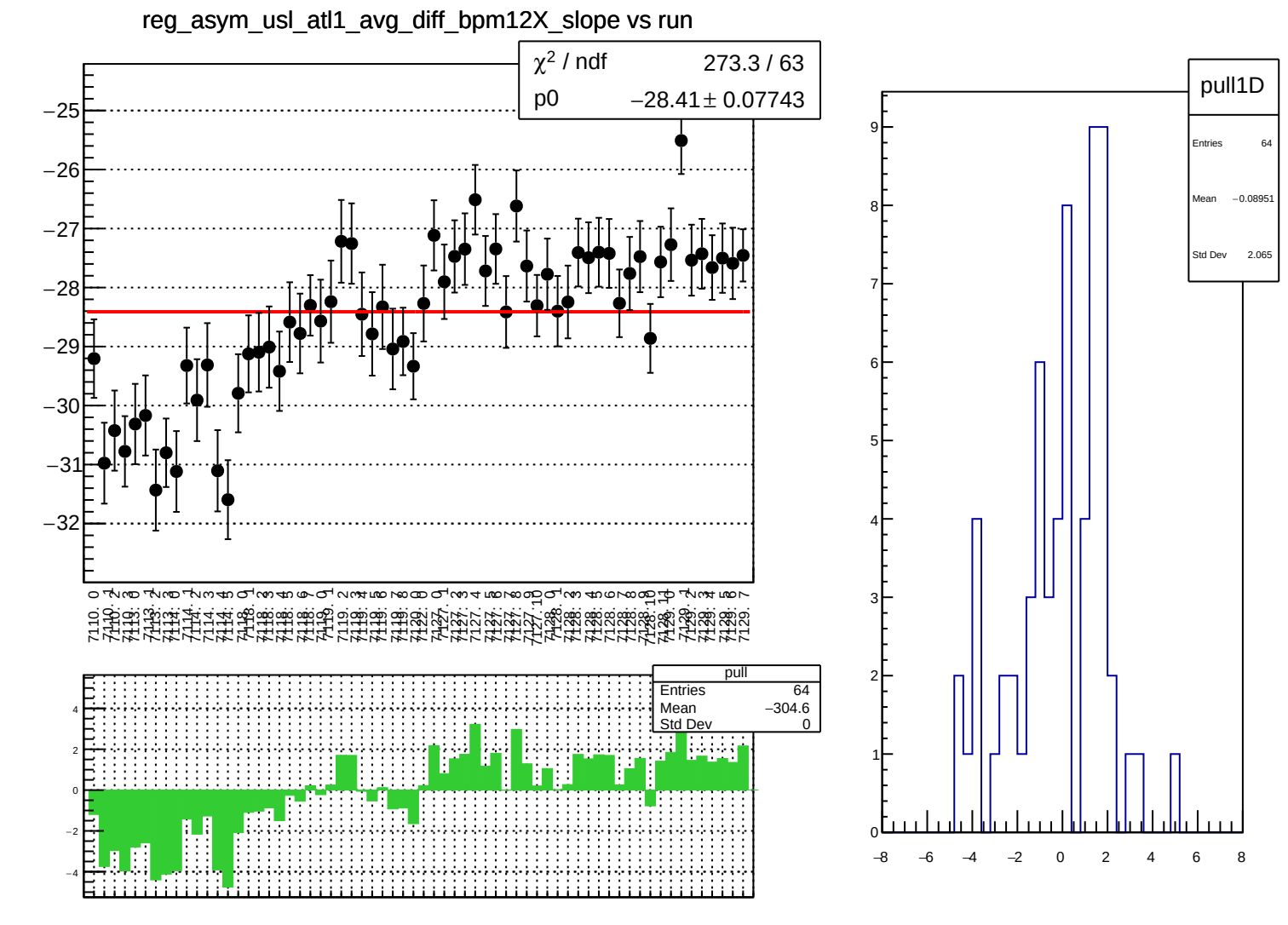

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.26 / 63
p0 2.945 ± 1.655
pull
Entries 64
Mean −136.5
Std Dev 0

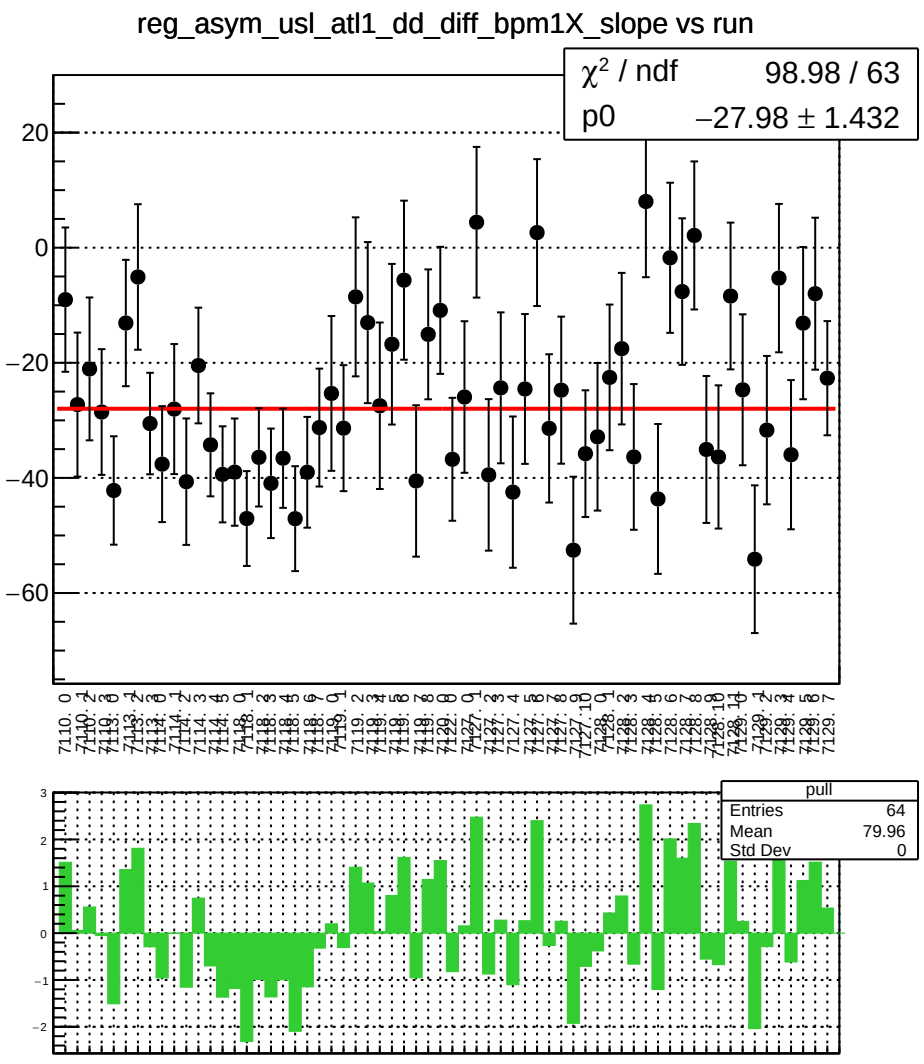

pull1D
Entries 64
Mean −0.006887
Std Dev 0.7732

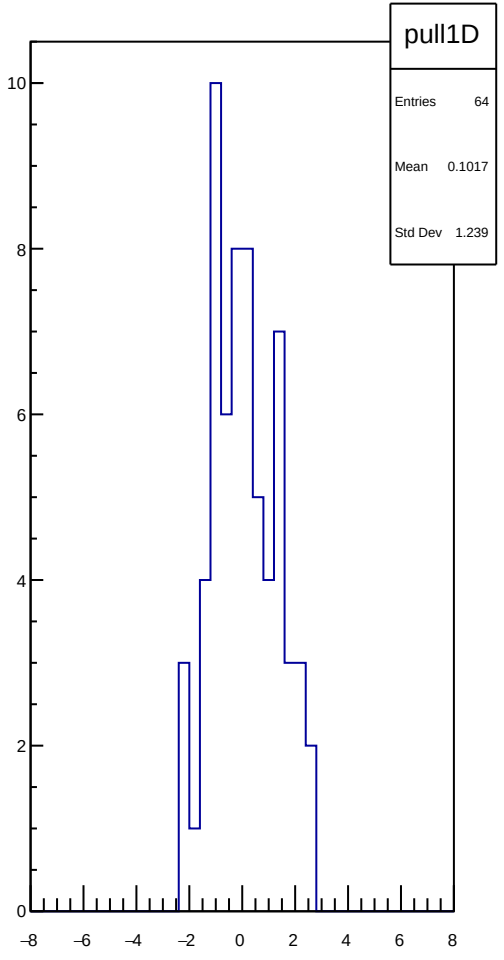

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.02 / 63
p0 33.48 ± 2.068
pull
Entries 64
Mean 84.77
Std Dev 0
pull1D
Entries 64
Mean 0.05586
Std Dev 0.9668

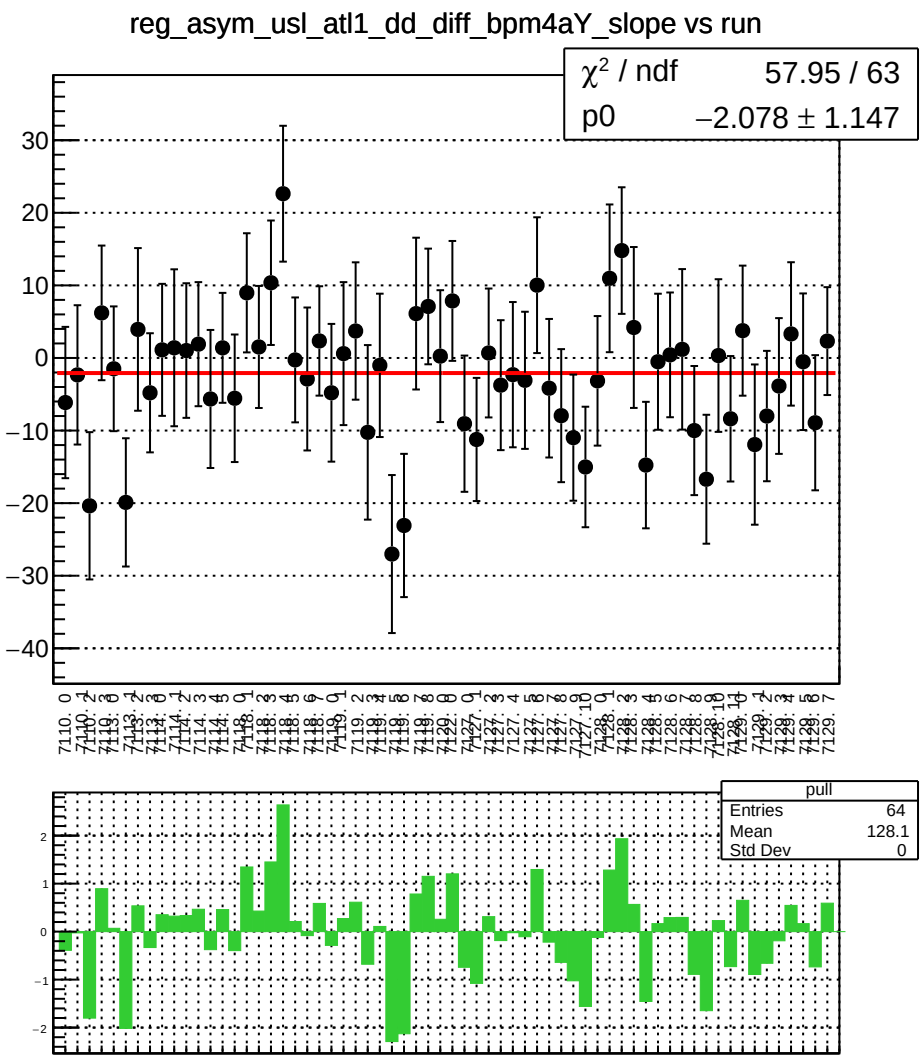

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.31 / 63
p0 4.722 ± 1.743
pull
Entries 64
Mean −271.1
Std Dev 0

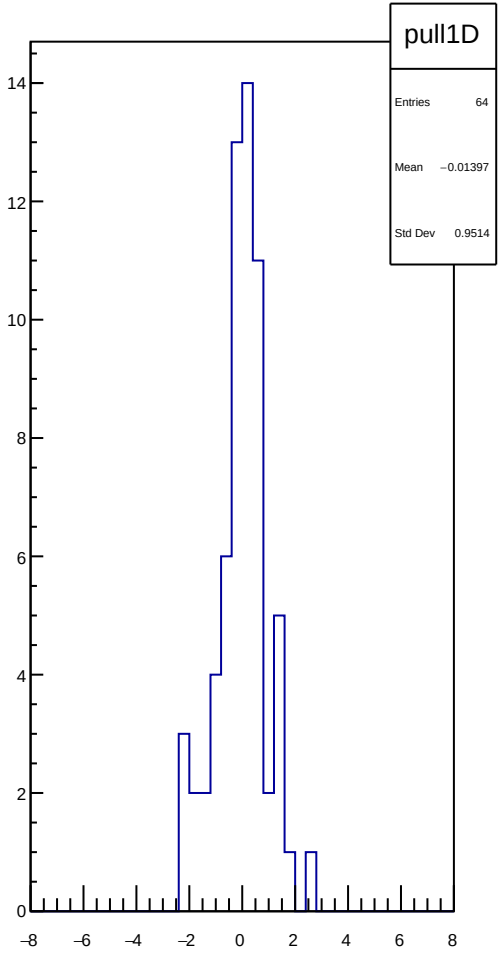

pull1D
Entries 64
Mean 0.01034
Std Dev 0.8034

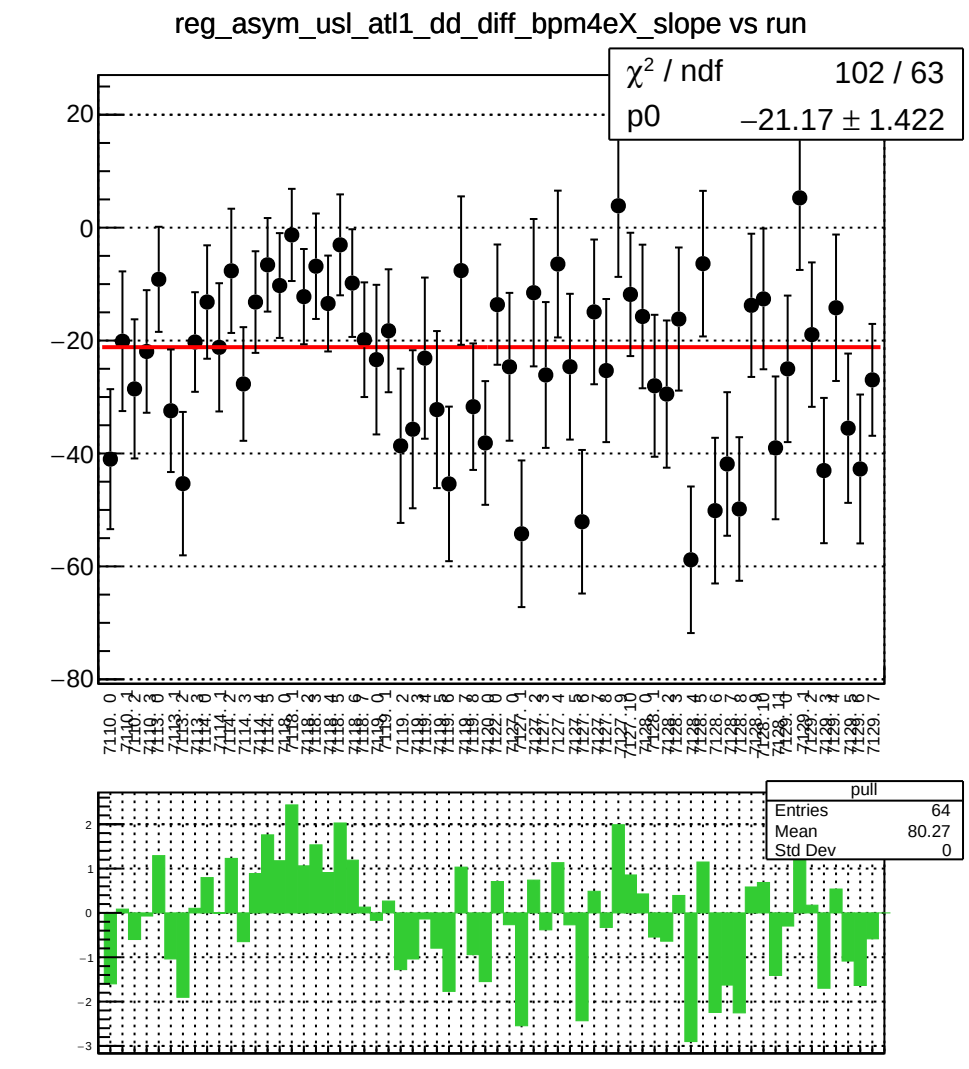

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 273.3 / 63
p0 −28.41 ± 0.07743
pull
Entries 64
Mean −304.6
Std Dev 0
pull1D
Entries 64
Mean −0.08951
Std Dev 2.065

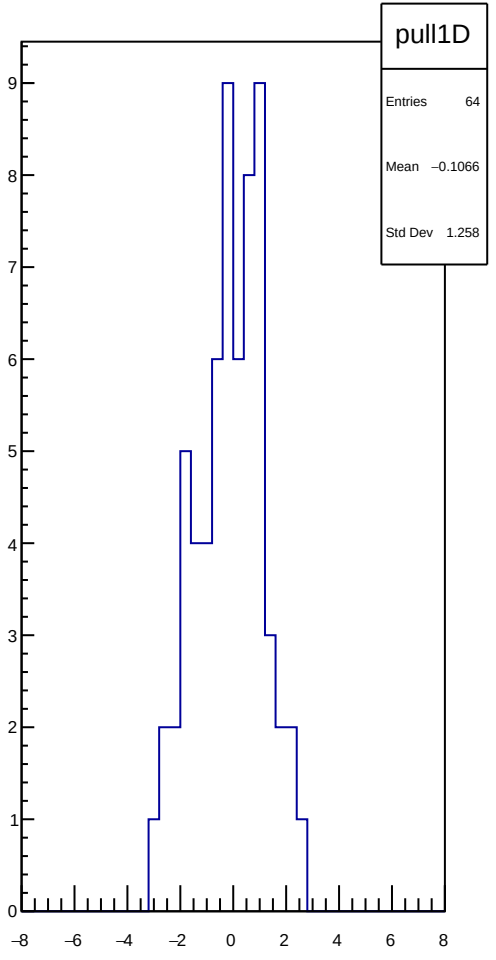

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 98.98 / 63
p0 −27.98 ± 1.432
pull
Entries 64
Mean 79.96
Std Dev 0

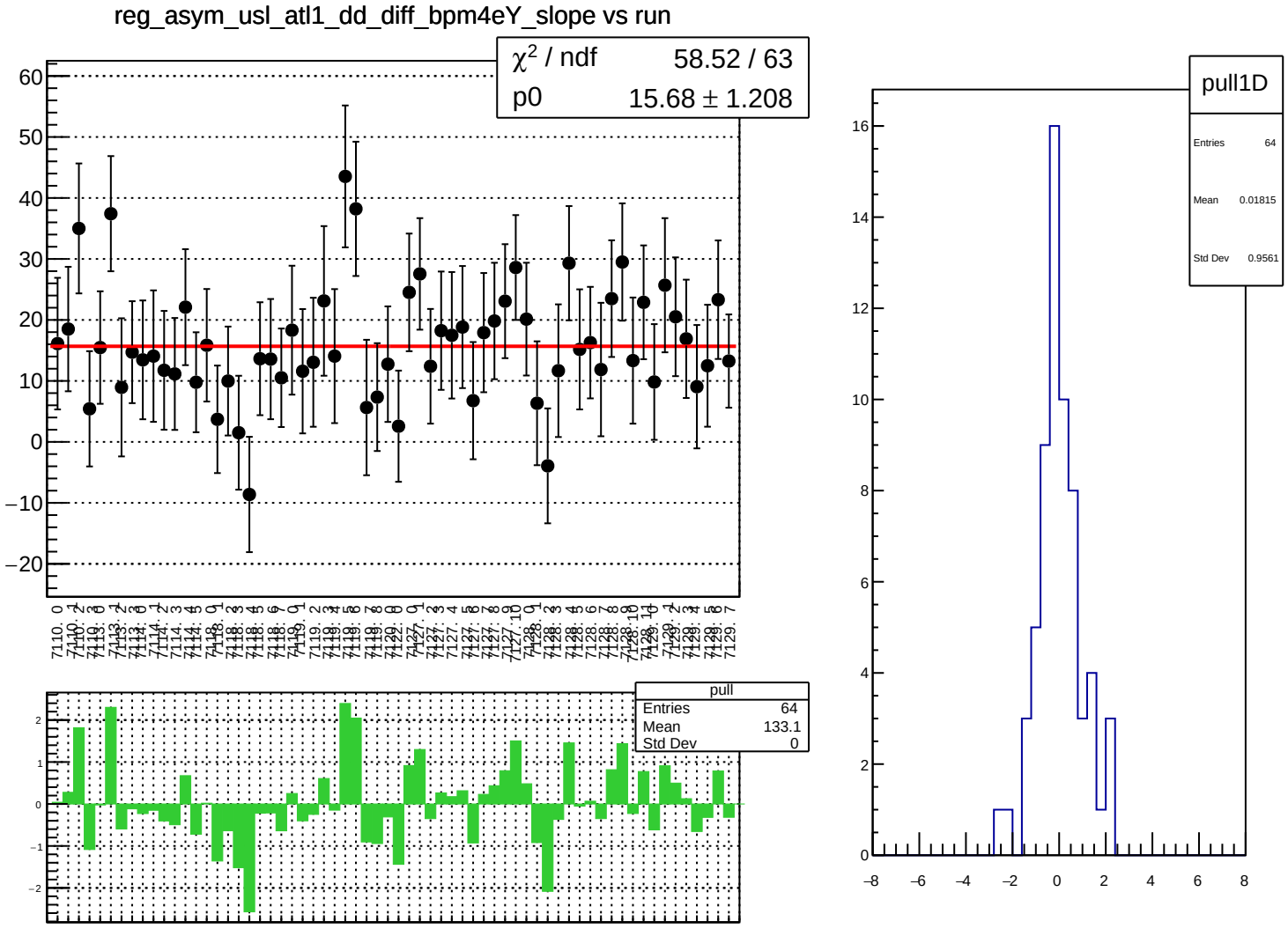

pull1D
Entries 64
Mean 0.1017
Std Dev 1.239

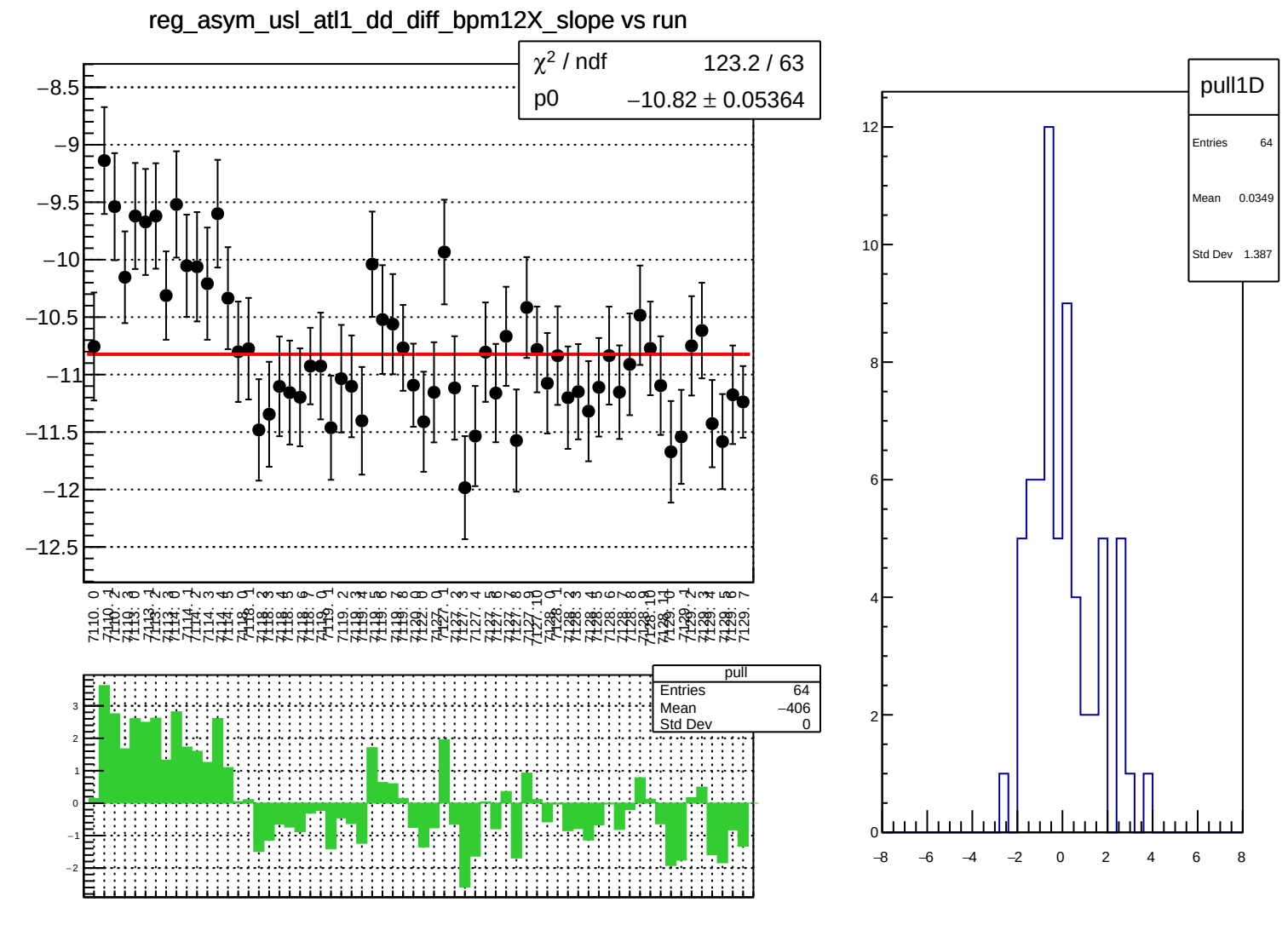

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.95 / 63
p0 −2.078 ± 1.147
pull
Entries 64
Mean 128.1
Std Dev 0

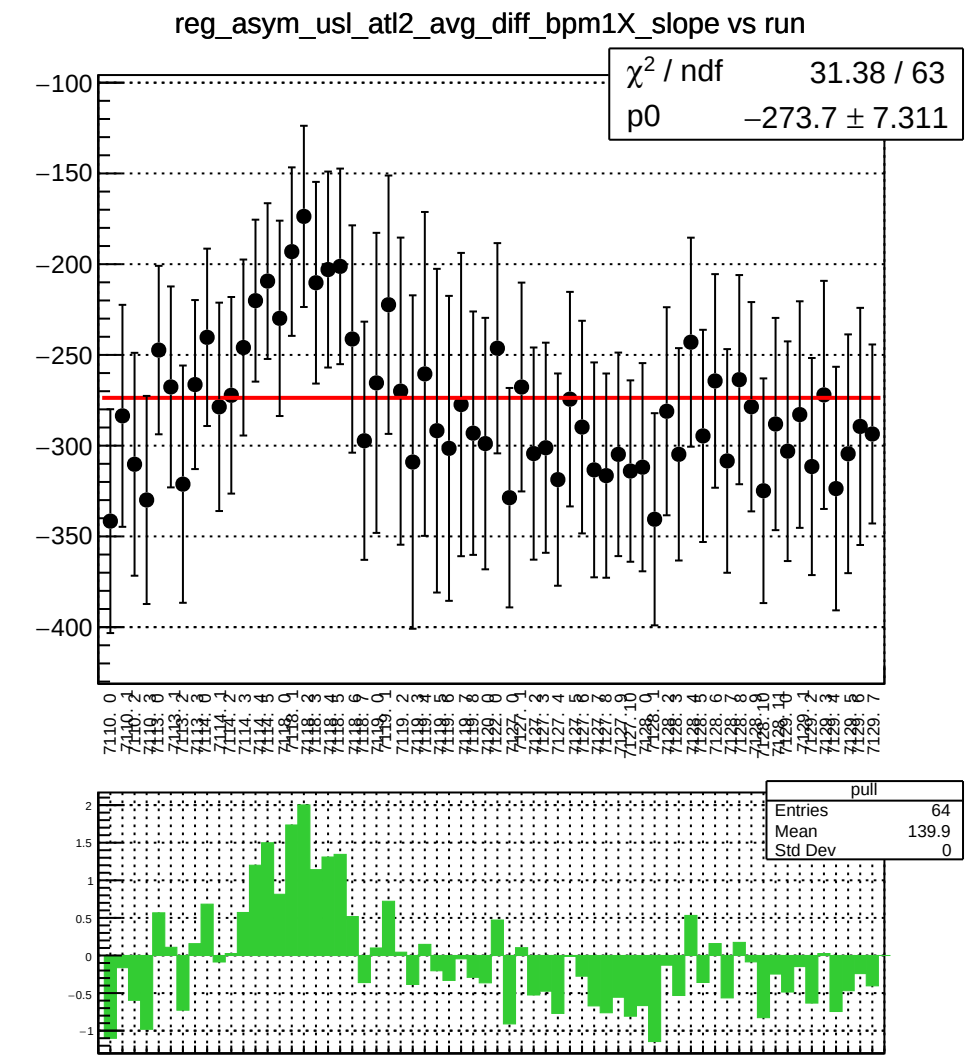

pull1D
Entries 64
Mean −0.01397
Std Dev 0.9514

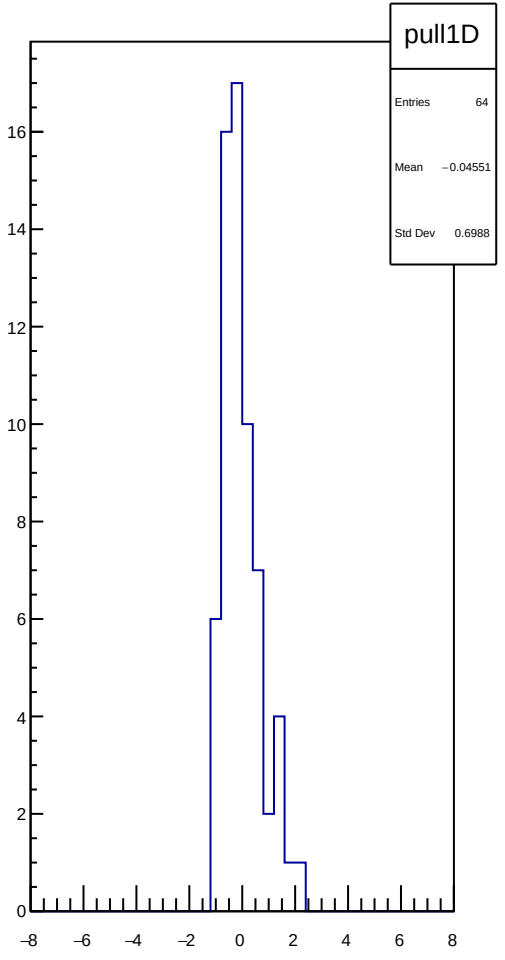

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 102 / 63
p0 −21.17 ± 1.422
pull
Entries 64
Mean 80.27
Std Dev 0

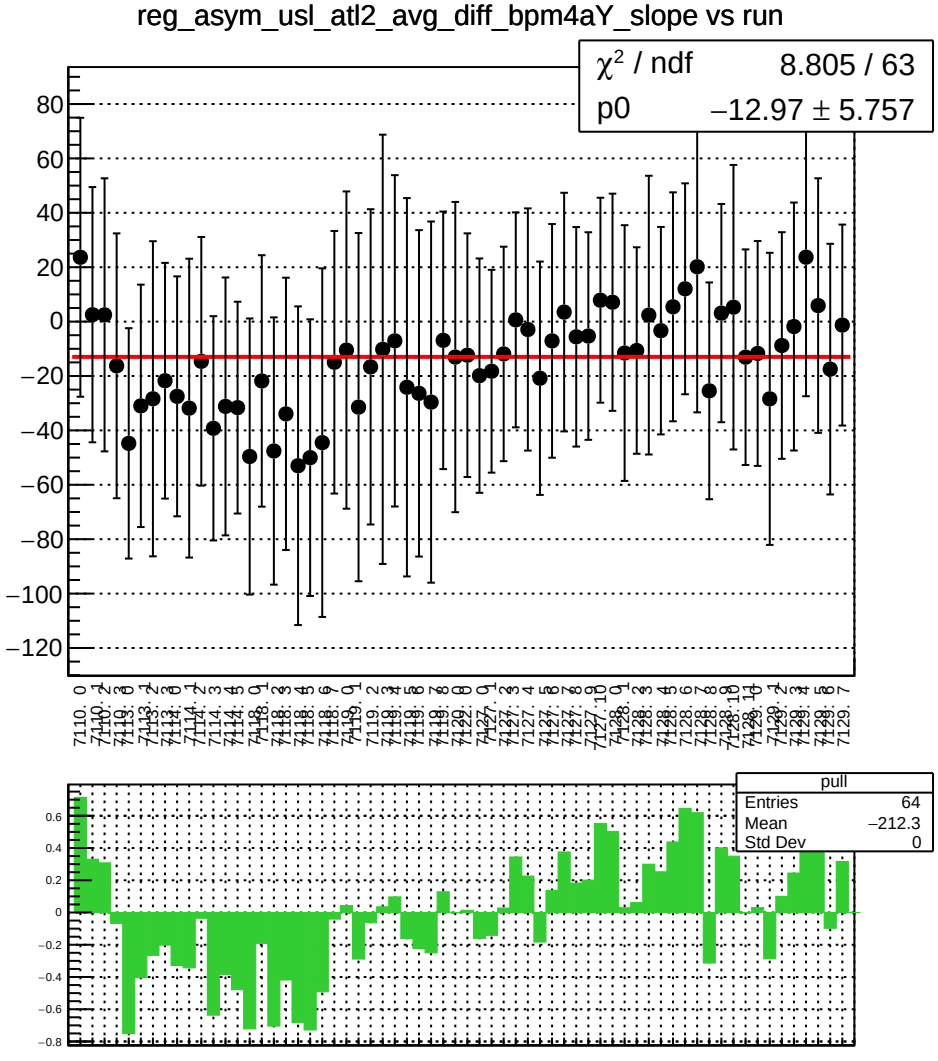

pull1D
Entries 64
Mean −0.1066
Std Dev 1.258

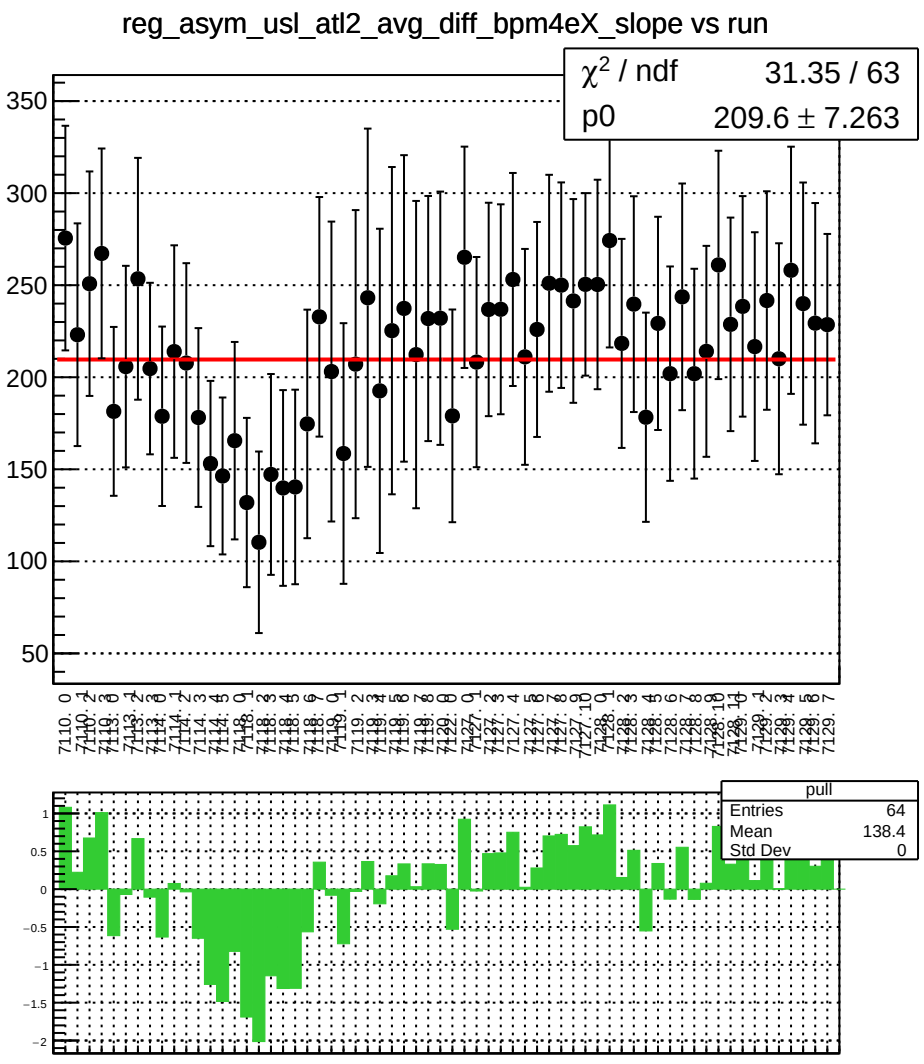

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.52 / 63
p0 15.68 ± 1.208
pull
Entries 64
Mean 133.1
Std Dev 0
pull1D
Entries 64
Mean 0.01815
Std Dev 0.9561

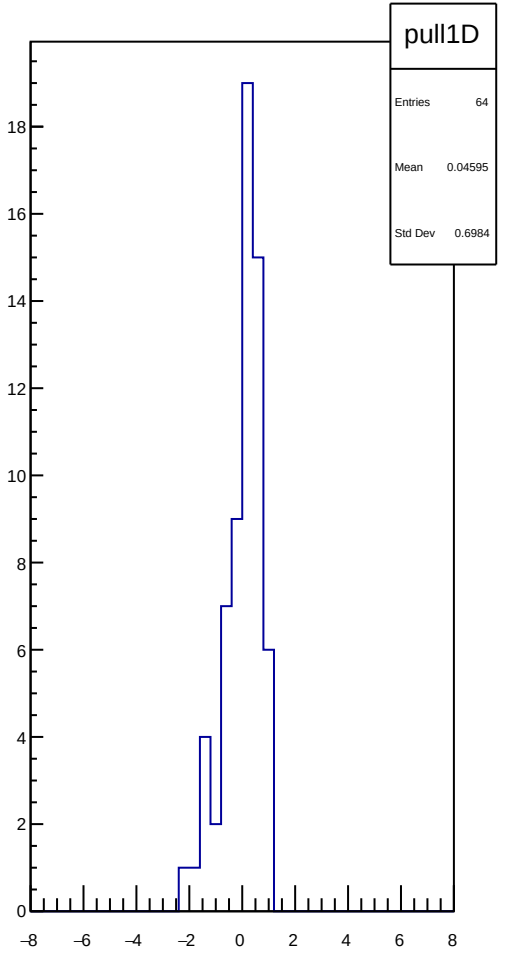

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 123.2 / 63
p0 −10.82 ± 0.05364
pull
Entries 64
Mean −406
Std Dev 0
pull1D
Entries 64
Mean 0.0349
Std Dev 1.387

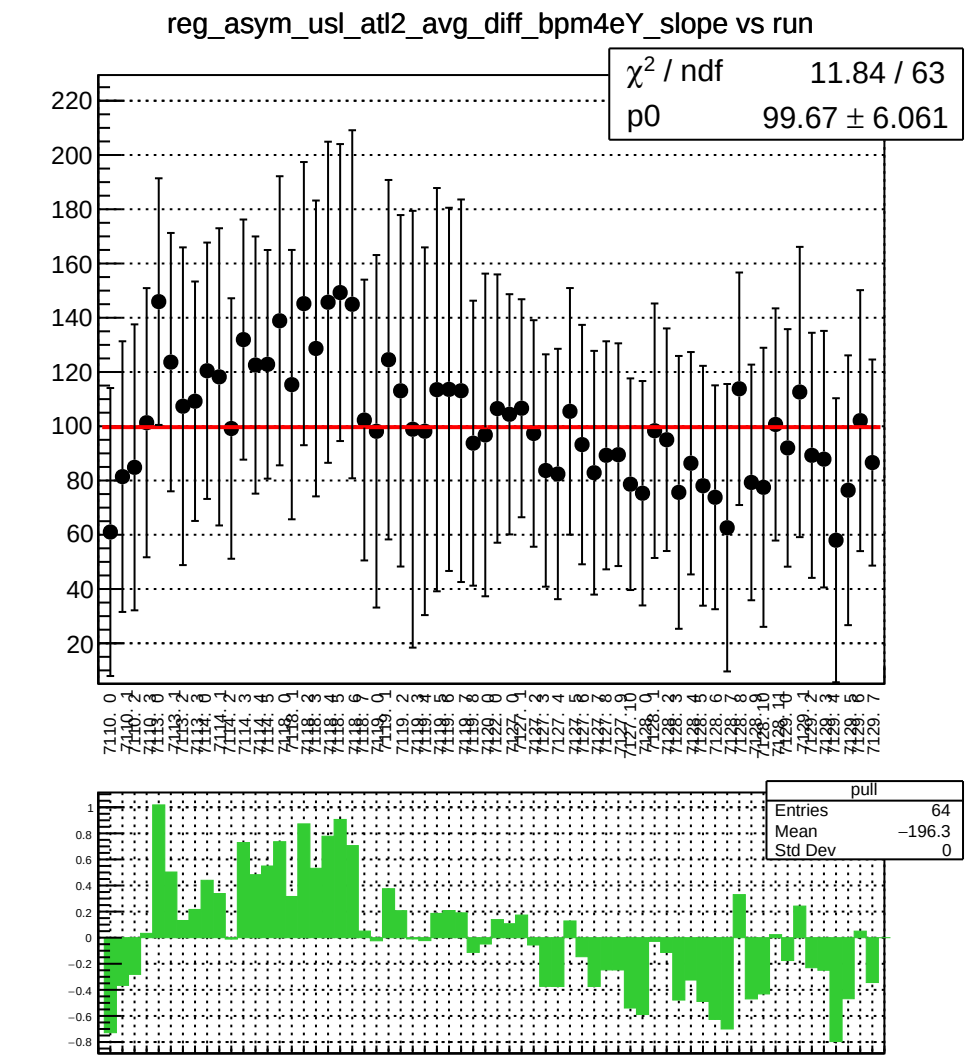

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 31.38 / 63
p0 −273.7 ± 7.311
pull
Entries 64
Mean 139.9
Std Dev 0

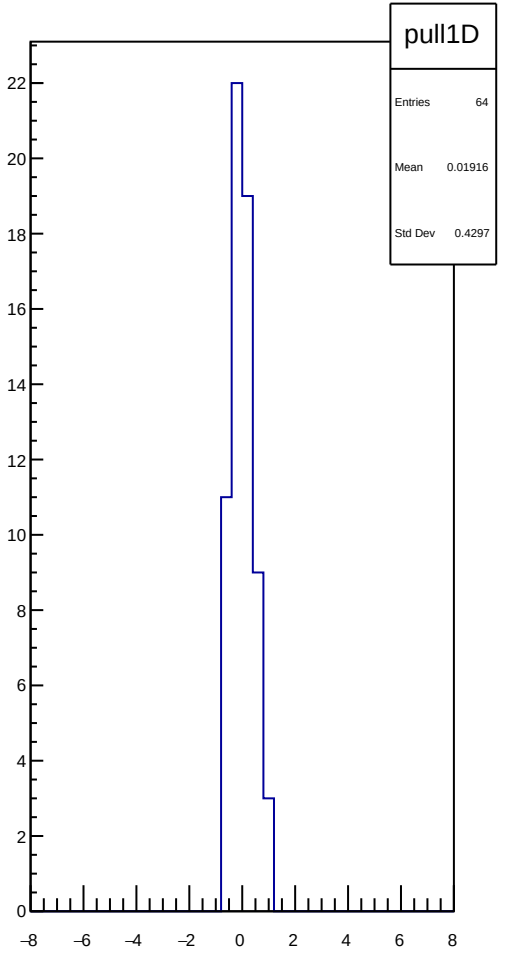

pull1D
Entries 64
Mean −0.04551
Std Dev 0.6988

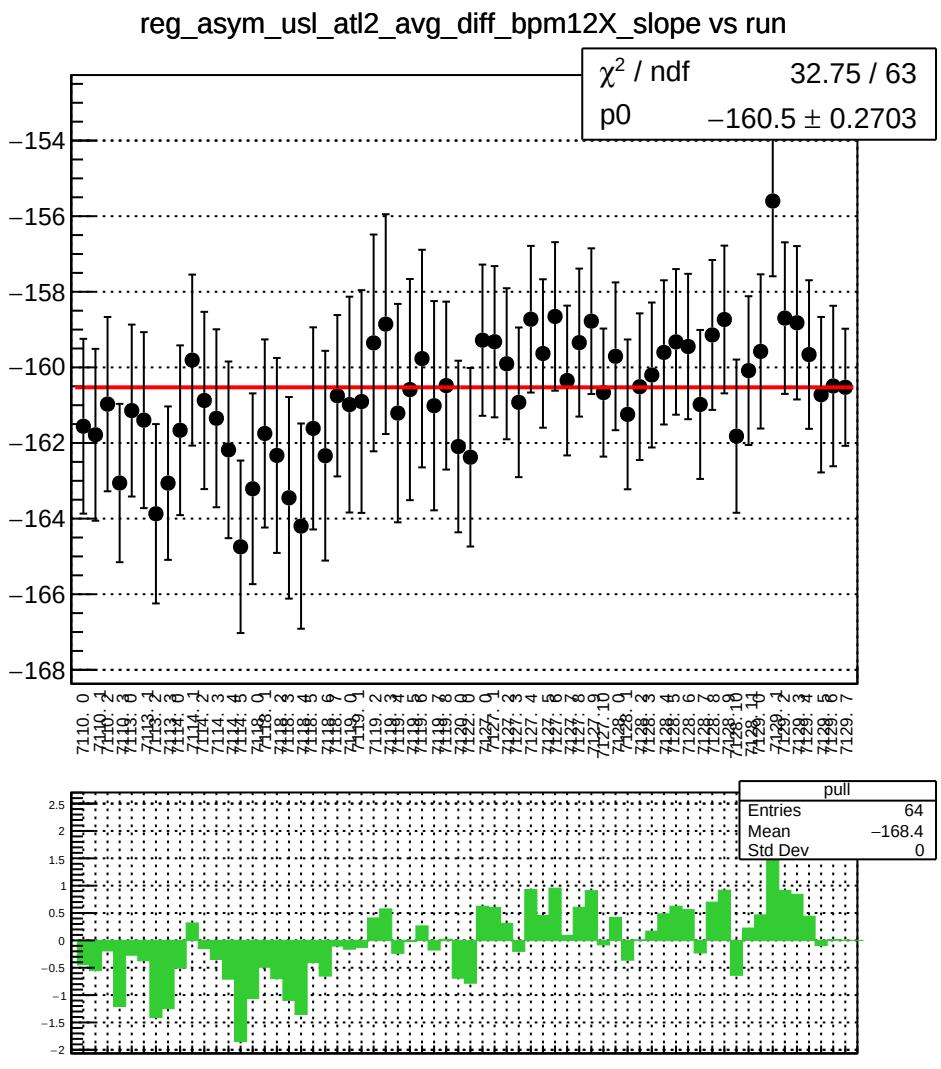

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.805 / 63
p0 −12.97 ± 5.757
pull
Entries 64
Mean −212.3
Std Dev 0
pull1D
Entries 64
Mean −0.01443
Std Dev 0.3706

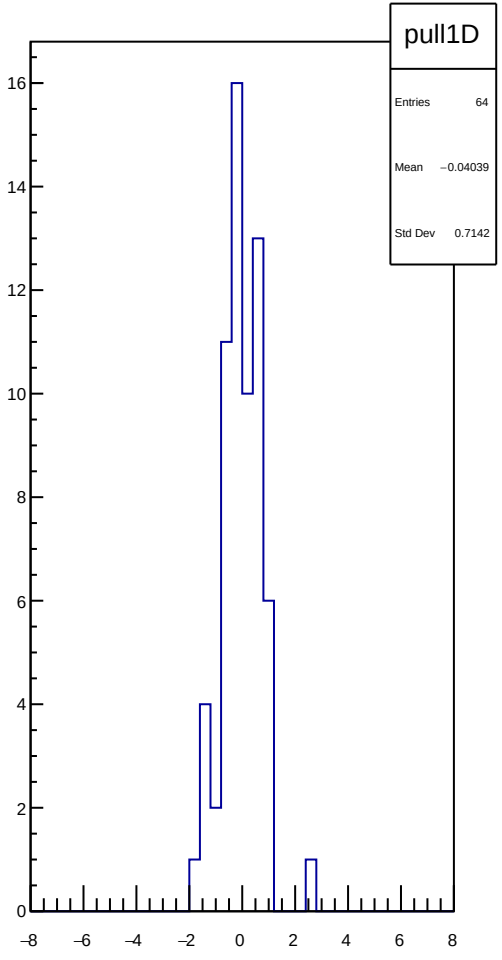

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.35 / 63
p0 209.6 ± 7.263
pull
Entries 64
Mean 138.4
Std Dev 0

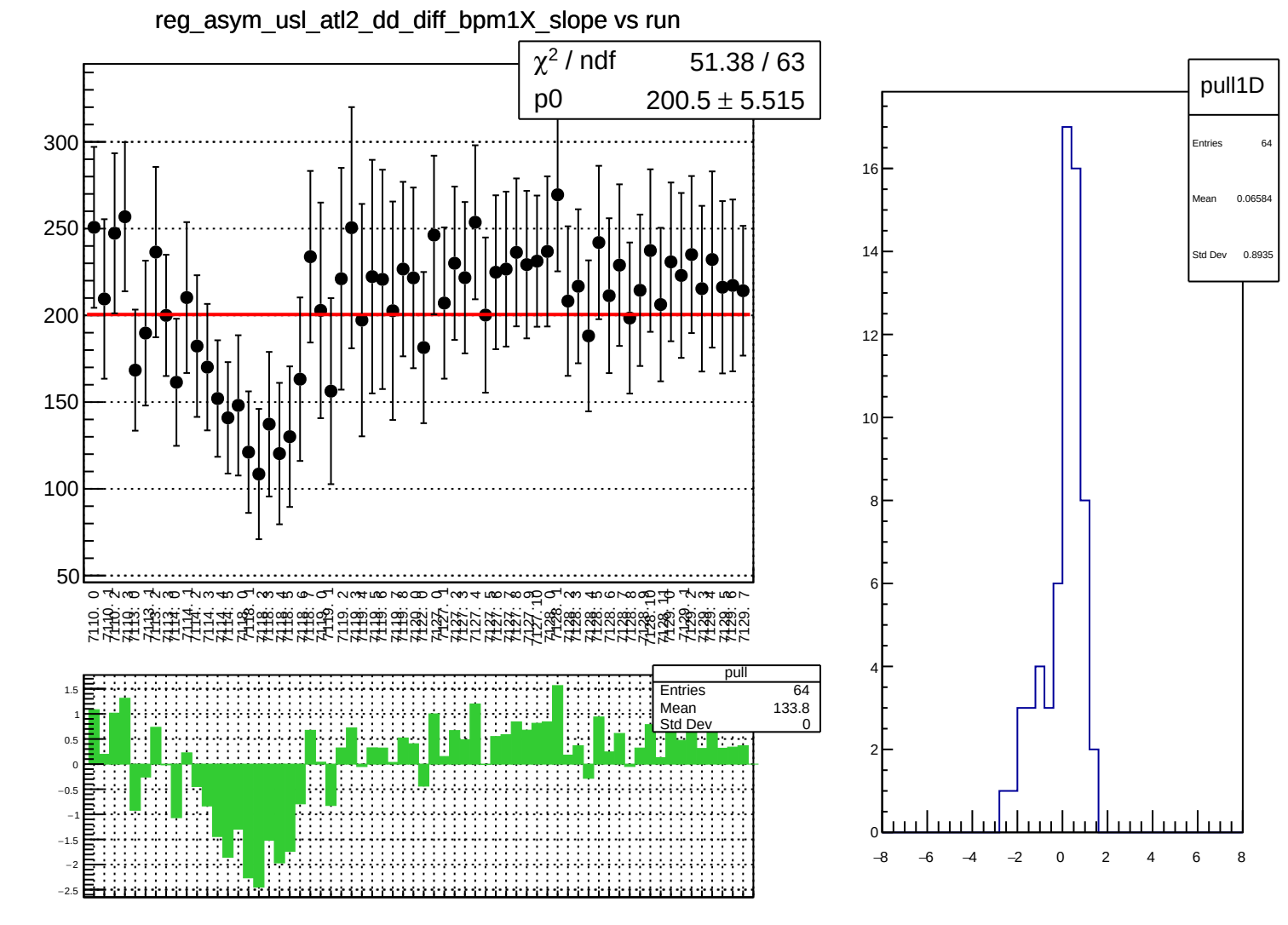

pull1D
Entries 64
Mean 0.04595
Std Dev 0.6984

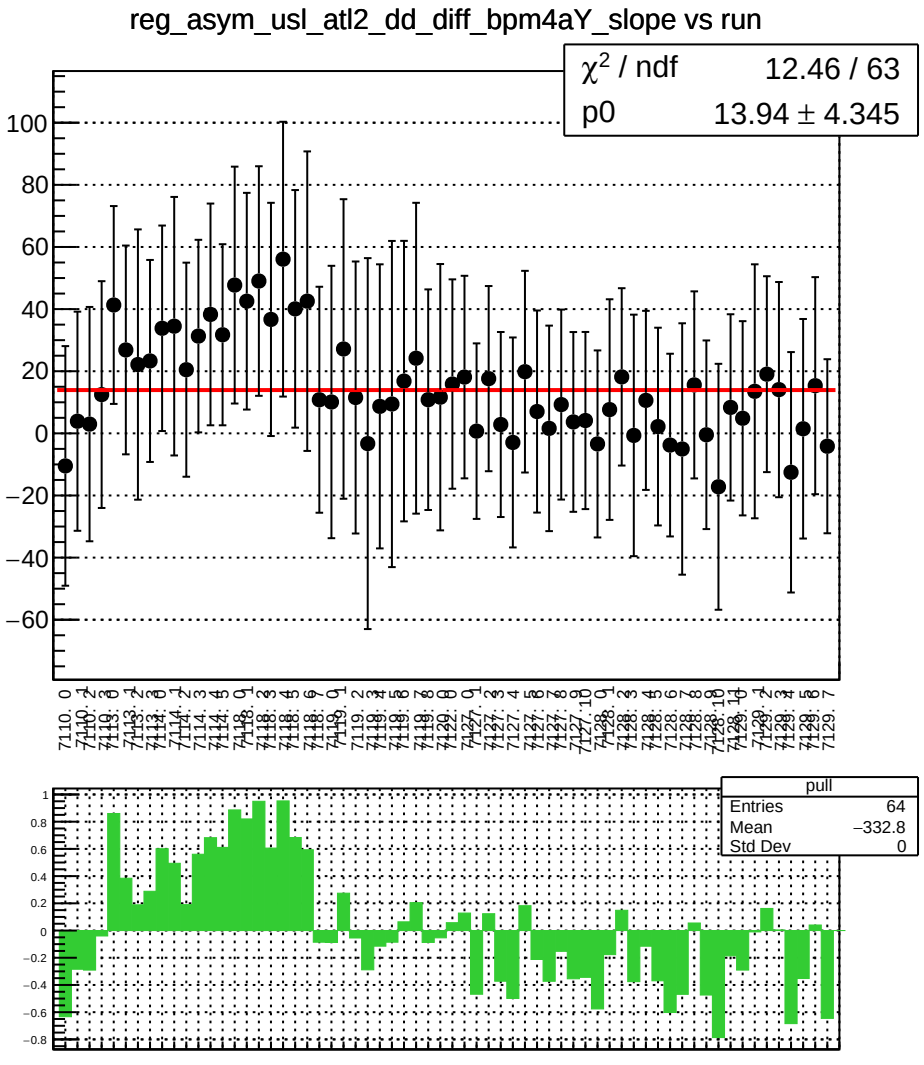

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.84 / 63
p0 99.67 ± 6.061
pull
Entries 64
Mean −196.3
Std Dev 0

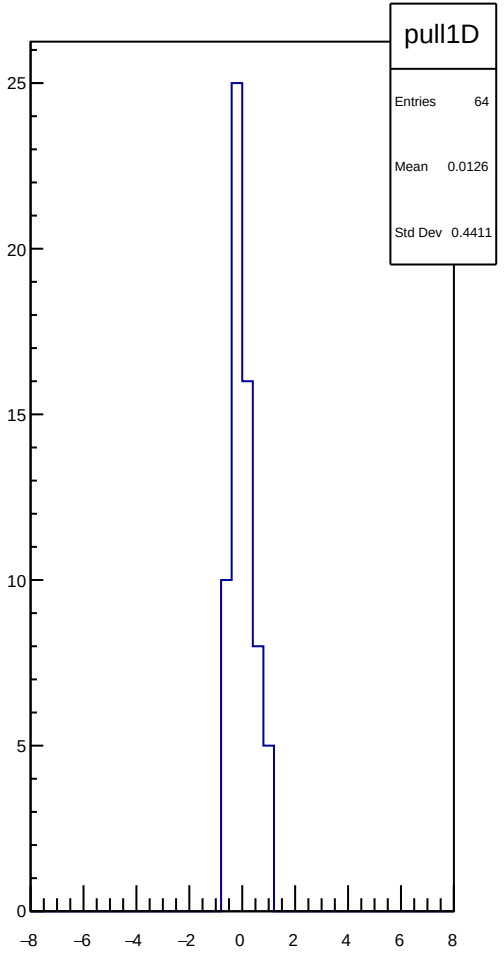

pull1D
Entries 64
Mean 0.01916
Std Dev 0.4297

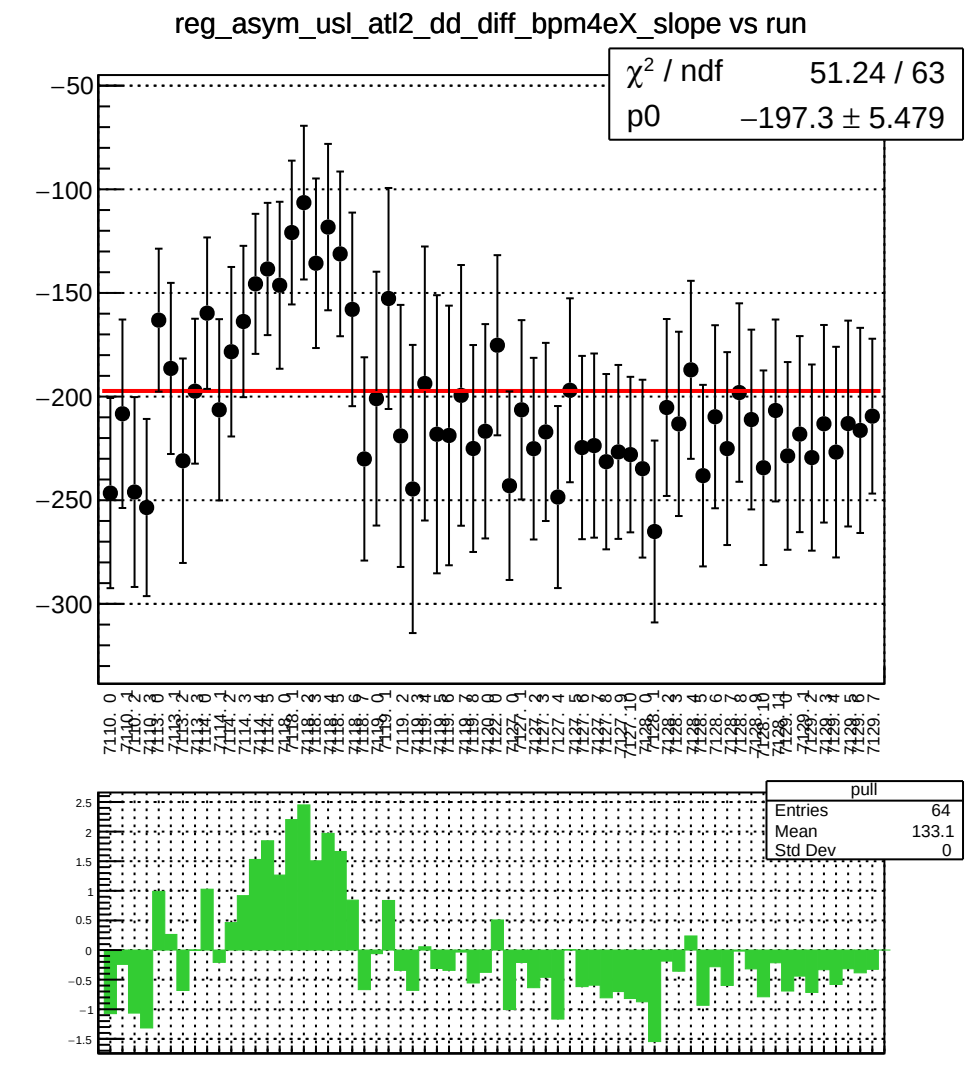

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 32.75 / 63
p0 −160.5 ± 0.2703
pull
Entries 64
Mean −168.4
Std Dev 0

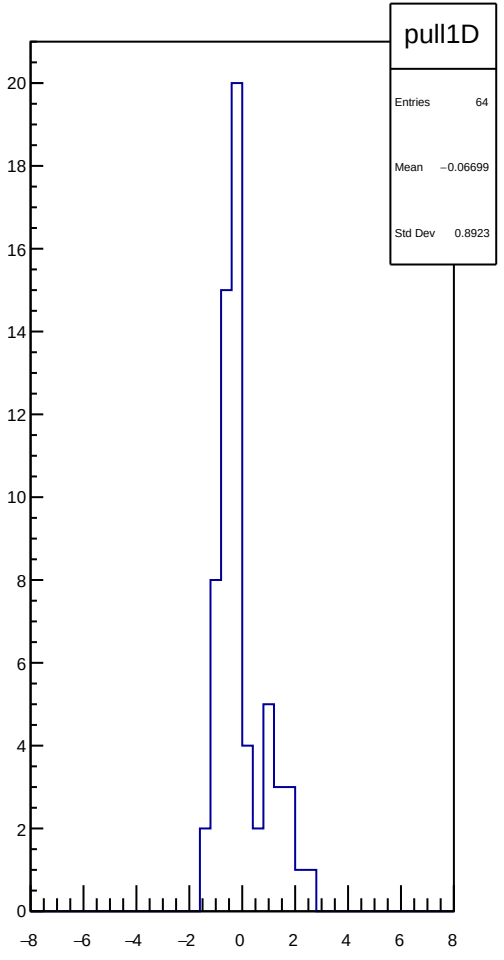

pull1D
Entries 64
Mean −0.04039
Std Dev 0.7142

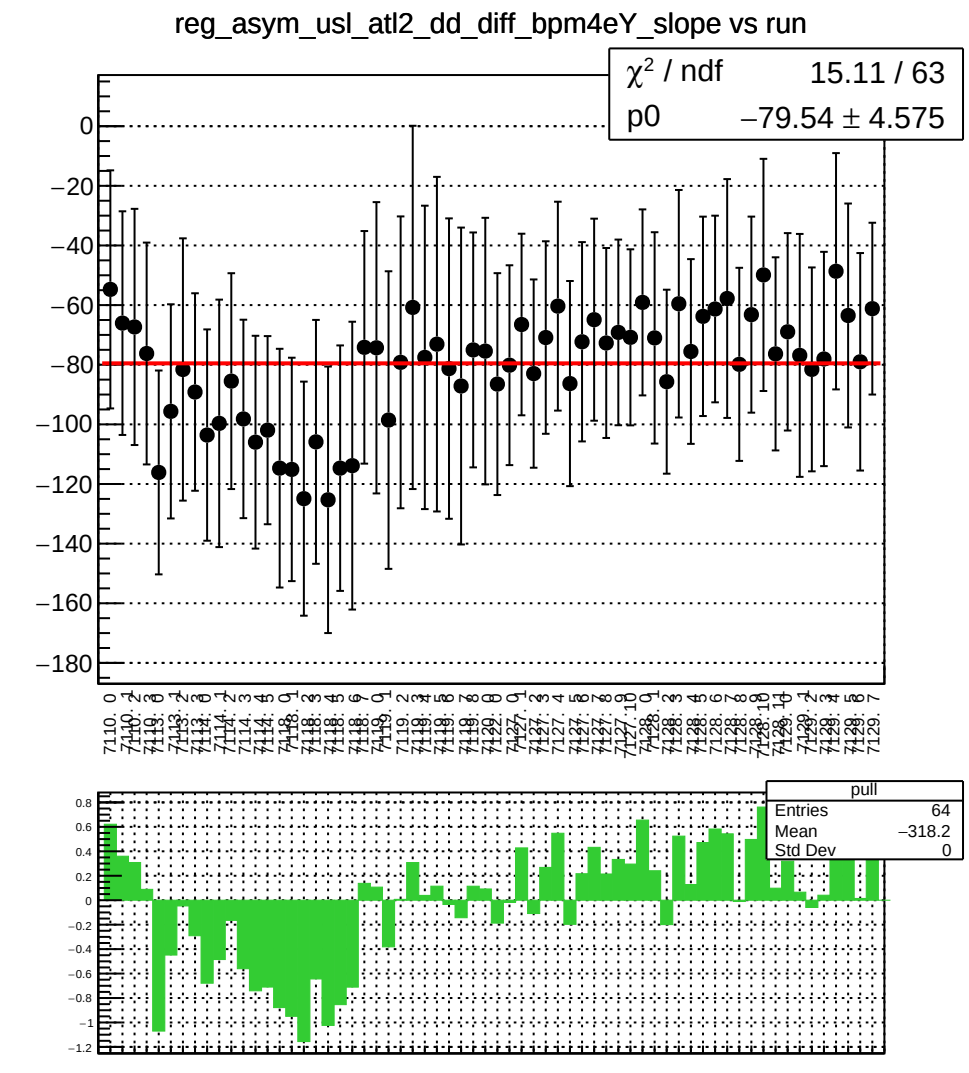

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 51.38 / 63
p0 200.5 ± 5.515
pull
Entries 64
Mean 133.8
Std Dev 0
pull1D
Entries 64
Mean 0.06584
Std Dev 0.8935

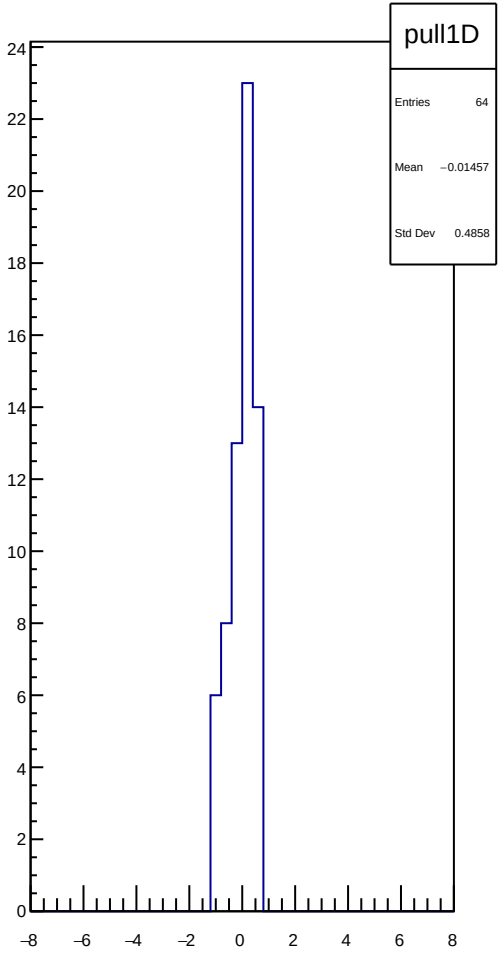

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.46 / 63
p0 13.94 ± 4.345
pull
Entries 64
Mean −332.8
Std Dev 0

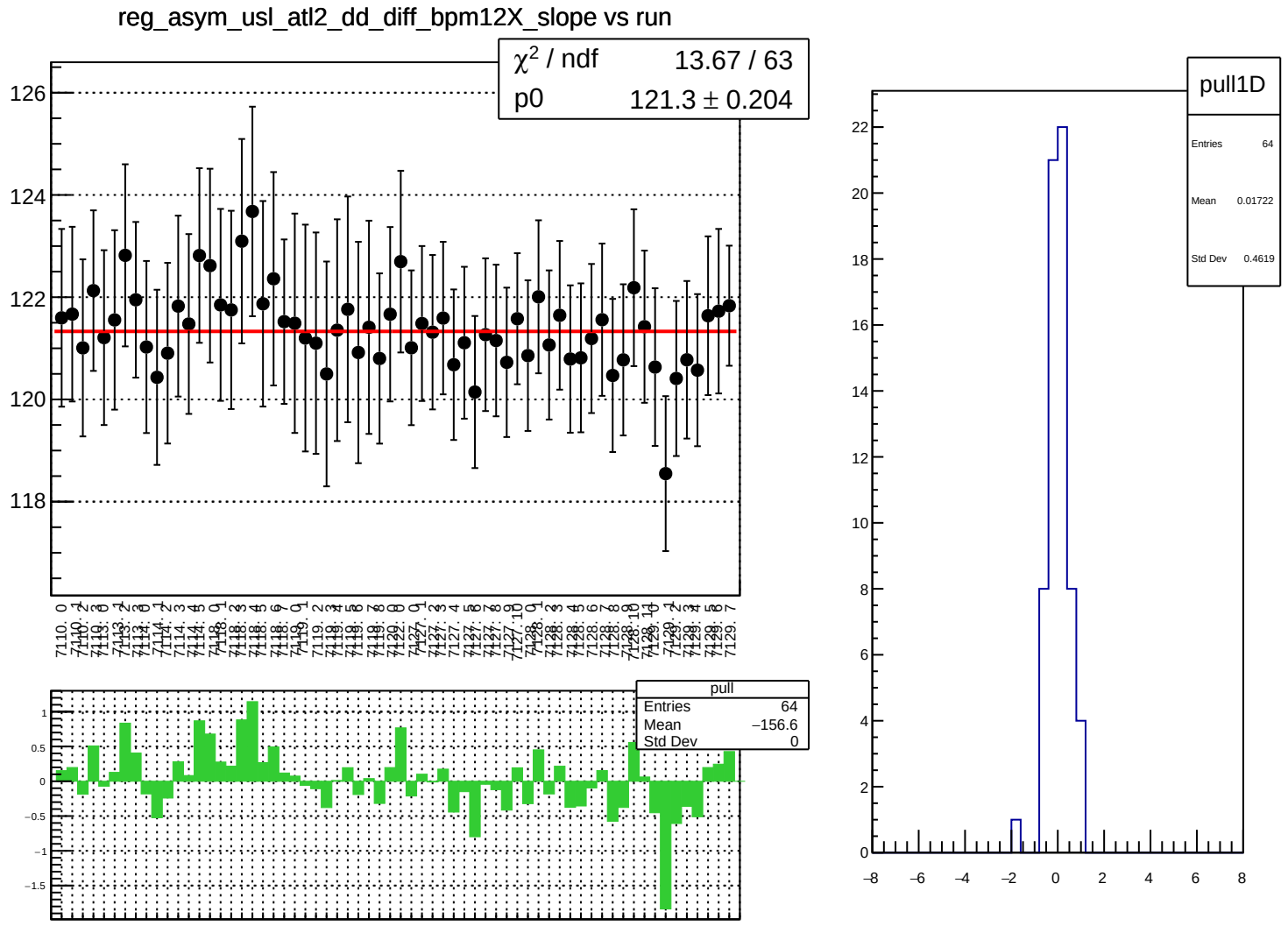

pull1D
Entries 64
Mean 0.0126
Std Dev 0.4411

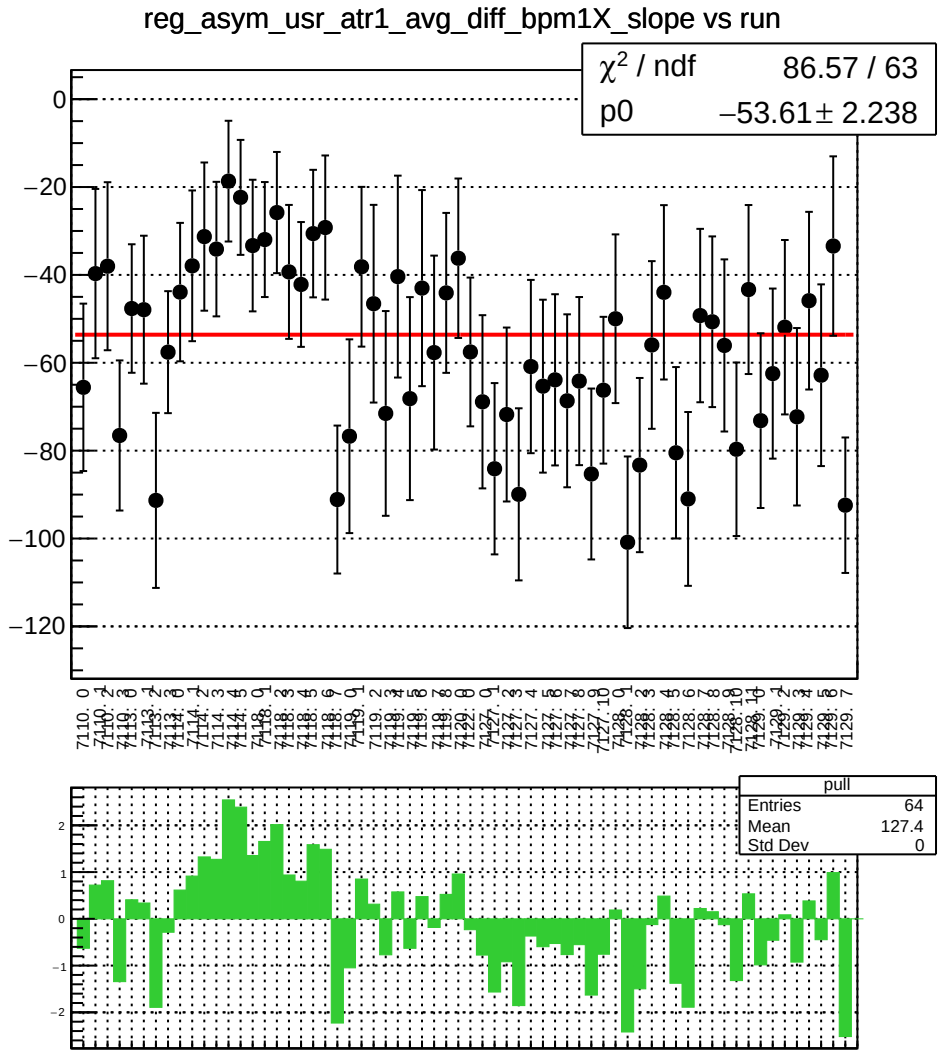

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.24 / 63
p0 −197.3 ± 5.479
pull
Entries 64
Mean 133.1
Std Dev 0

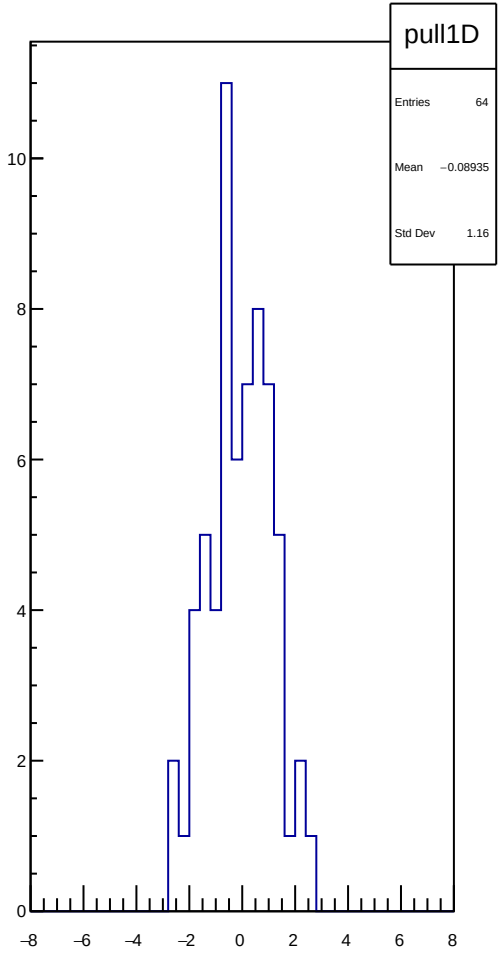

pull1D
Entries 64
Mean −0.06699
Std Dev 0.8923

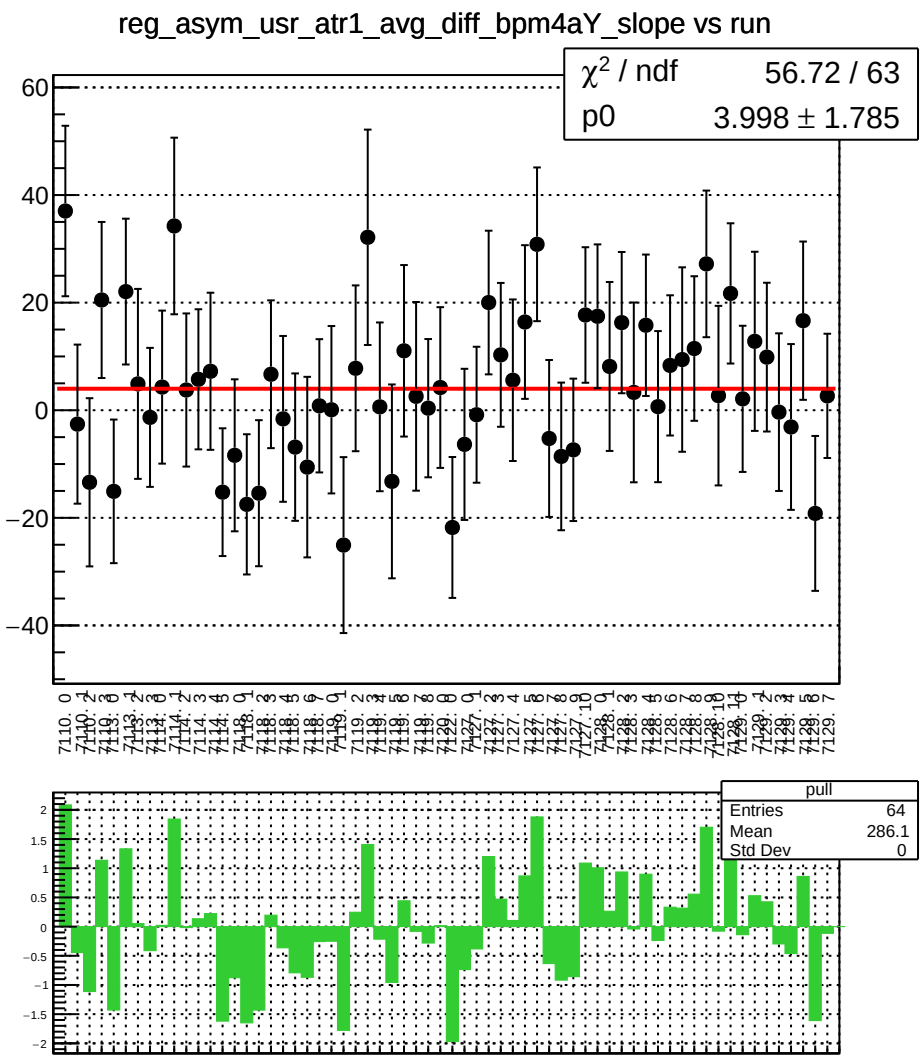

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.11 / 63
p0 −79.54 ± 4.575
pull
Entries 64
Mean −318.2
Std Dev 0

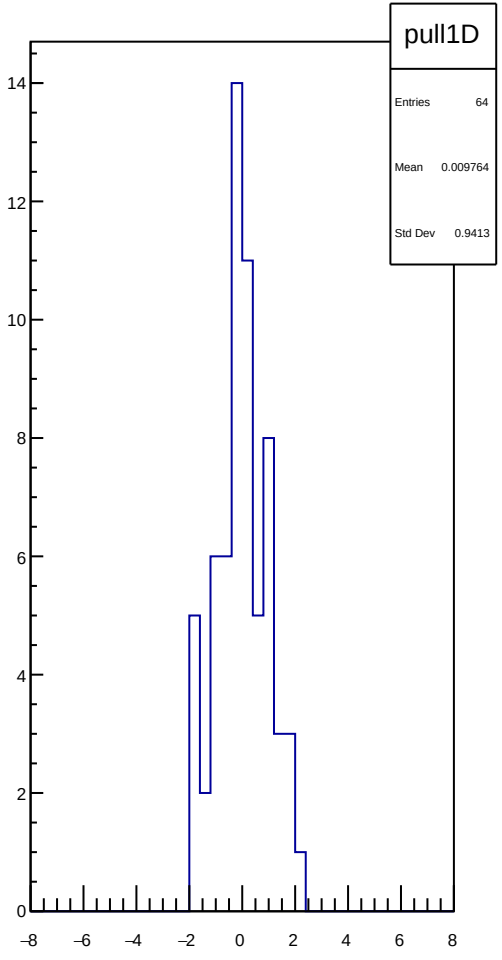

pull1D
Entries 64
Mean −0.01457
Std Dev 0.4858

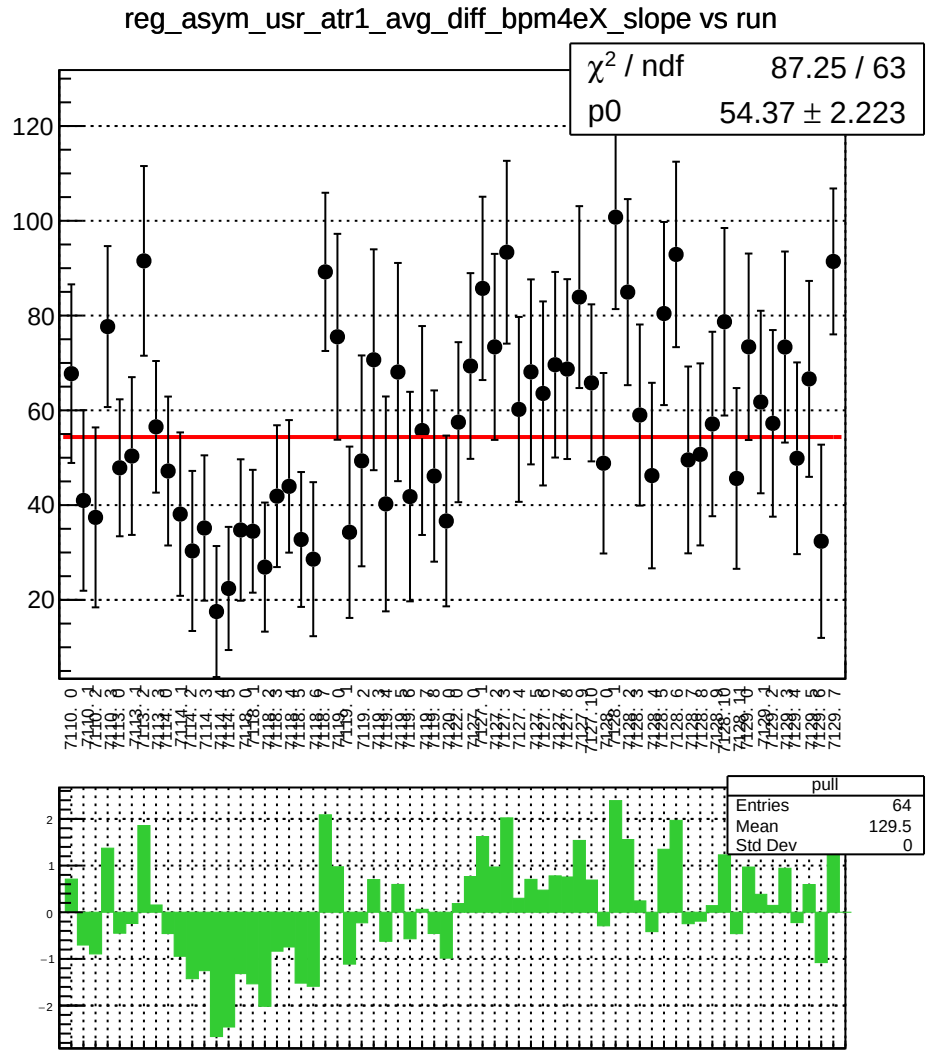

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.67 / 63
p0 121.3 ± 0.204
126
124
122
120
118
pull
Entries 64
Mean −156.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 64
Mean 0.01722
Std Dev 0.4619
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

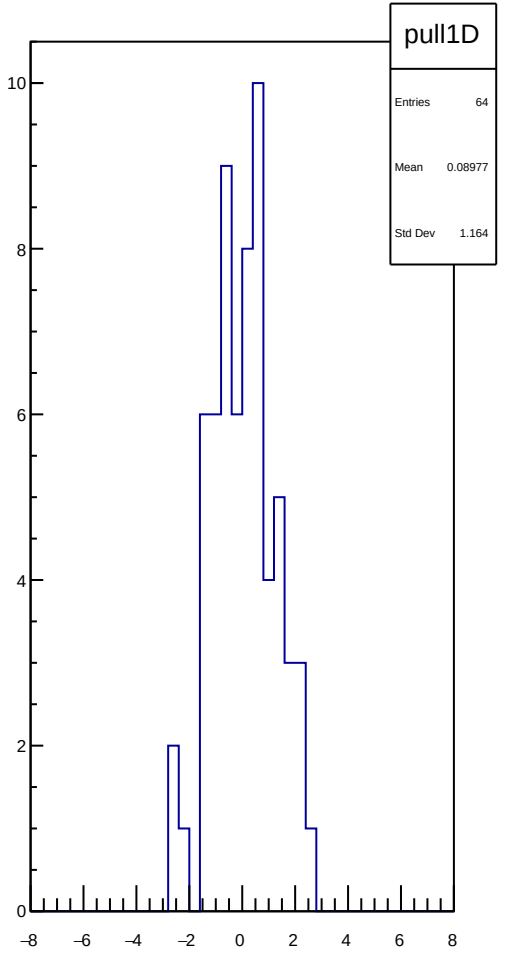

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 86.57 / 63
p0 −53.61 ± 2.238
pull
Entries 64
Mean 127.4
Std Dev 0

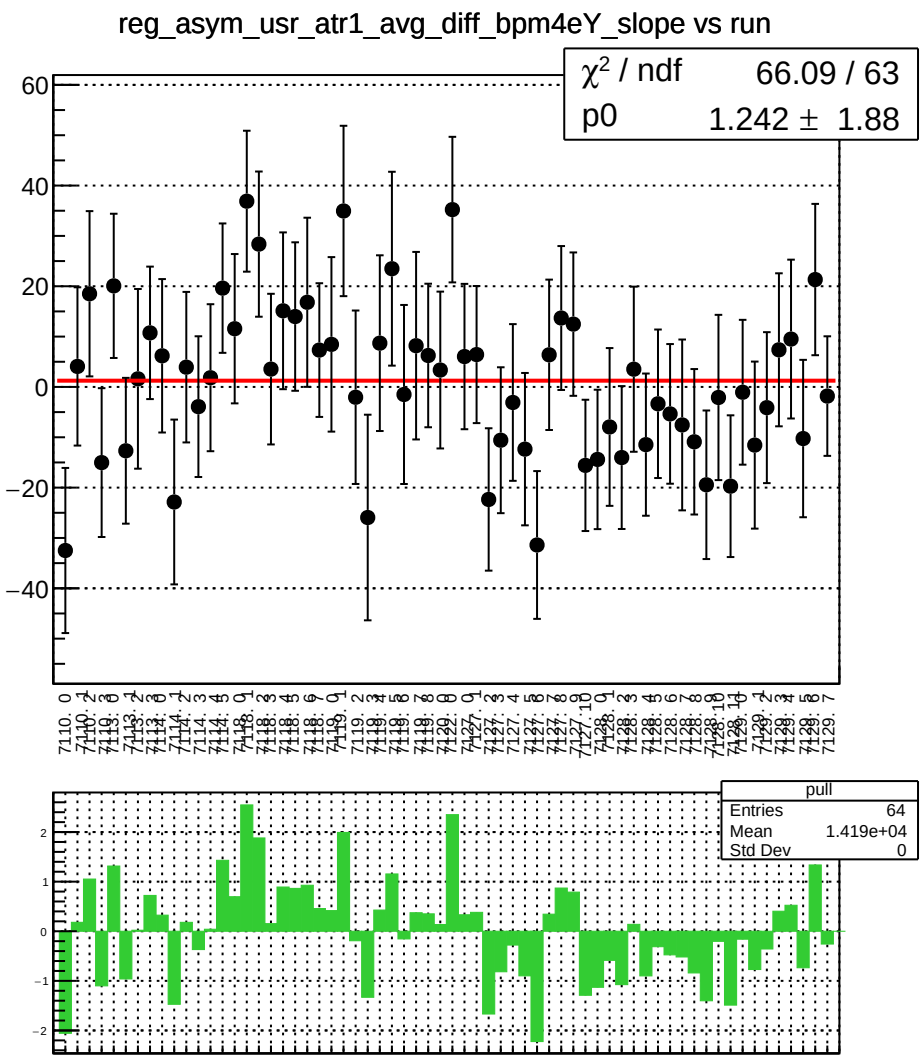

pull1D
Entries 64
Mean −0.08935
Std Dev 1.16

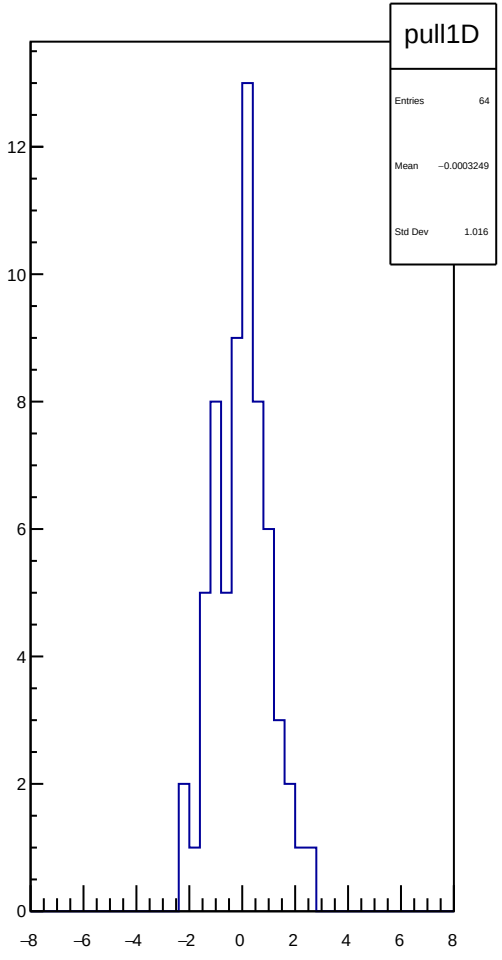

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.72 / 63
p0 3.998 ± 1.785
pull
Entries 64
Mean 286.1
Std Dev 0

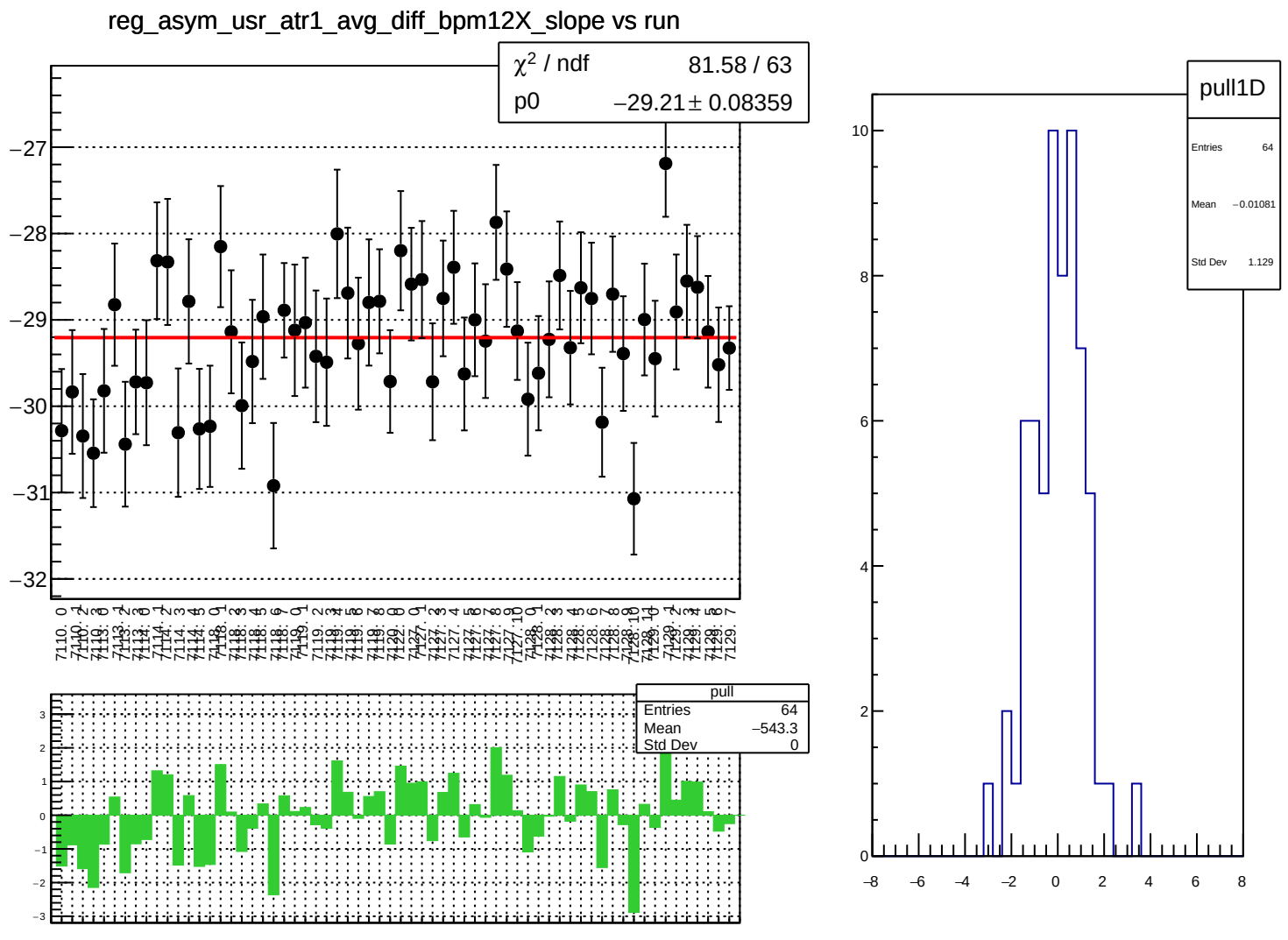

pull1D
Entries 64
Mean 0.009764
Std Dev 0.9413

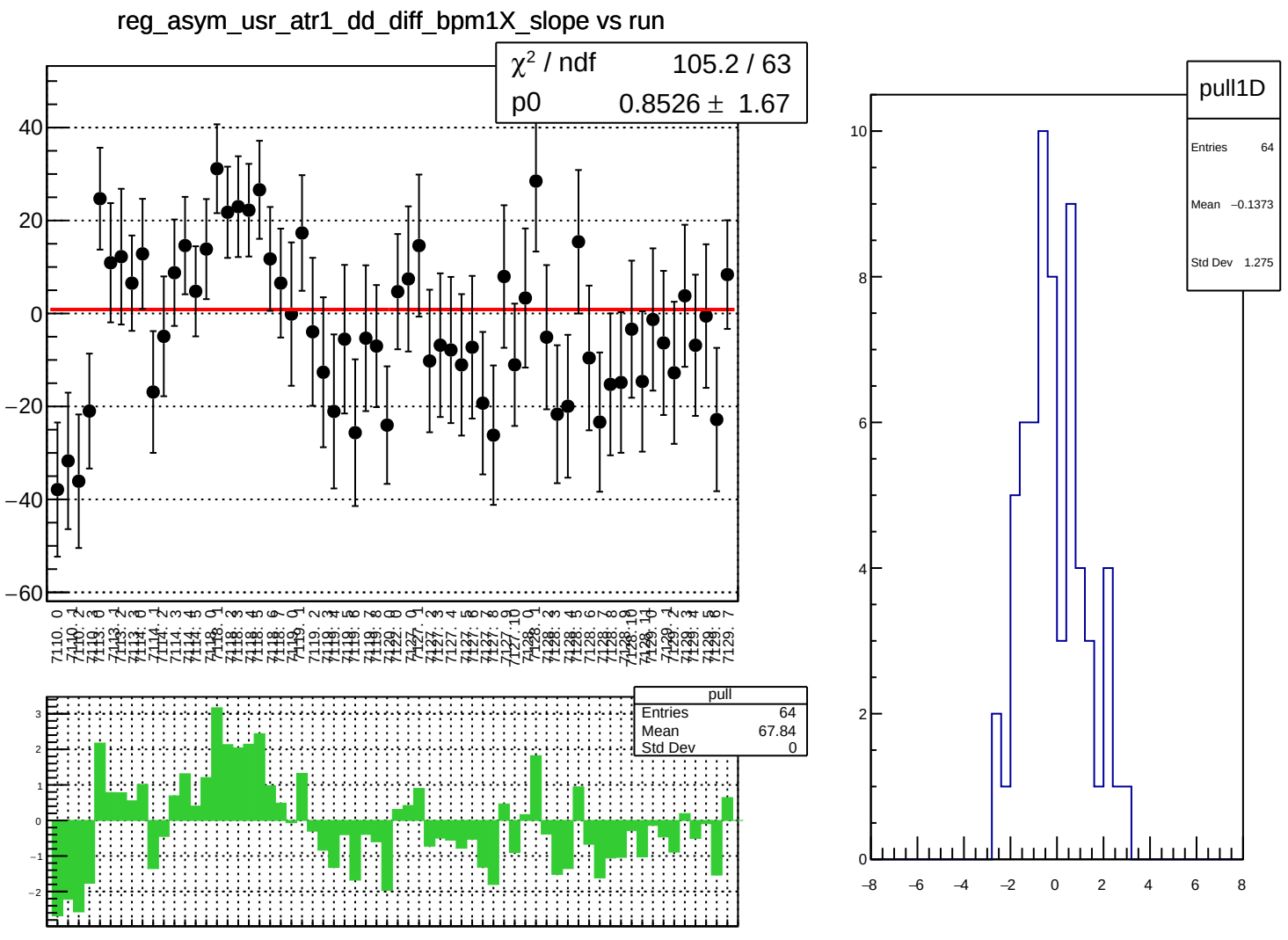

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.25 / 63
p0 54.37 ± 2.223
pull
Entries 64
Mean 129.5
Std Dev 0

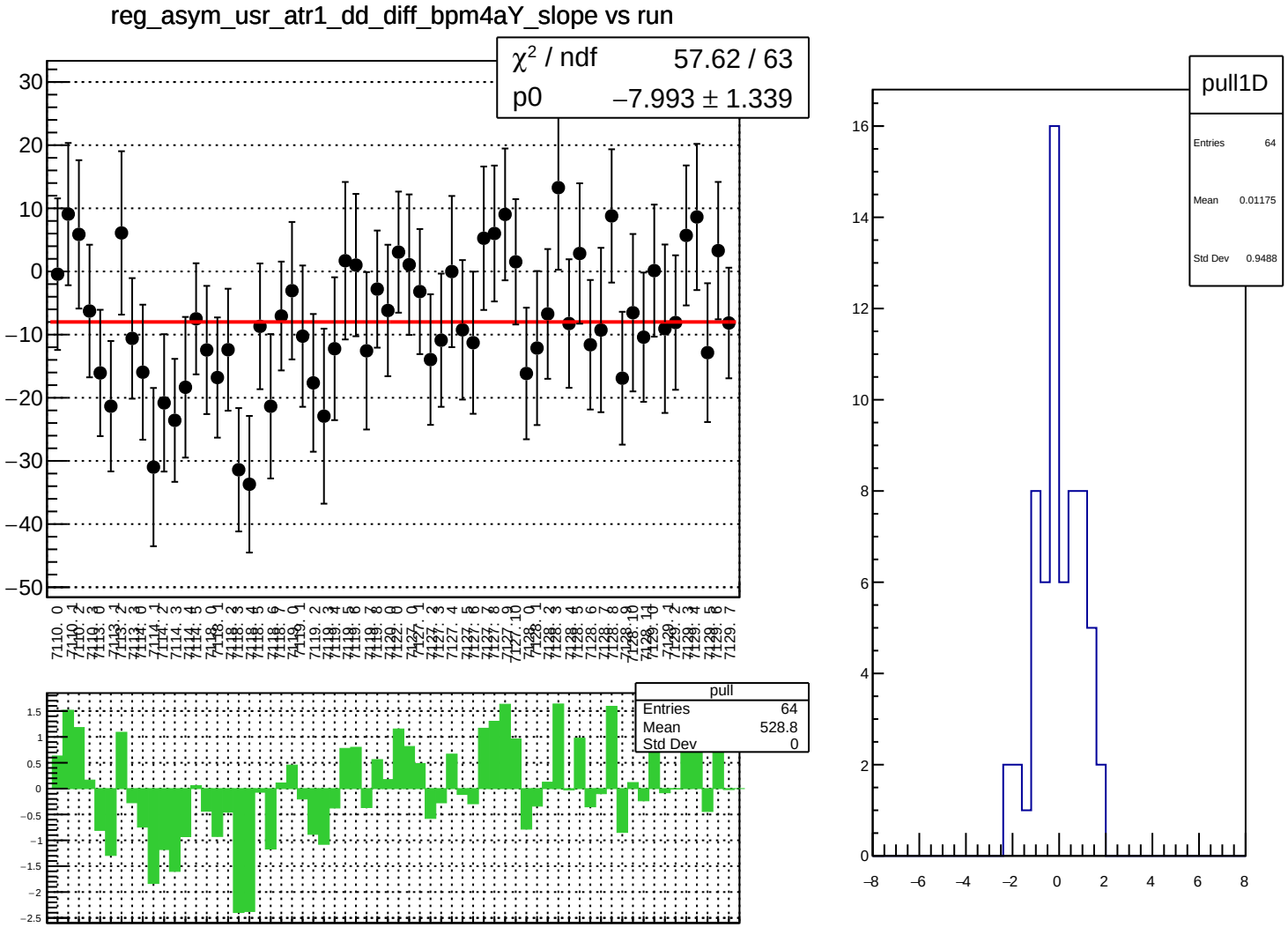

pull1D
Entries 64
Mean 0.08977
Std Dev 1.164

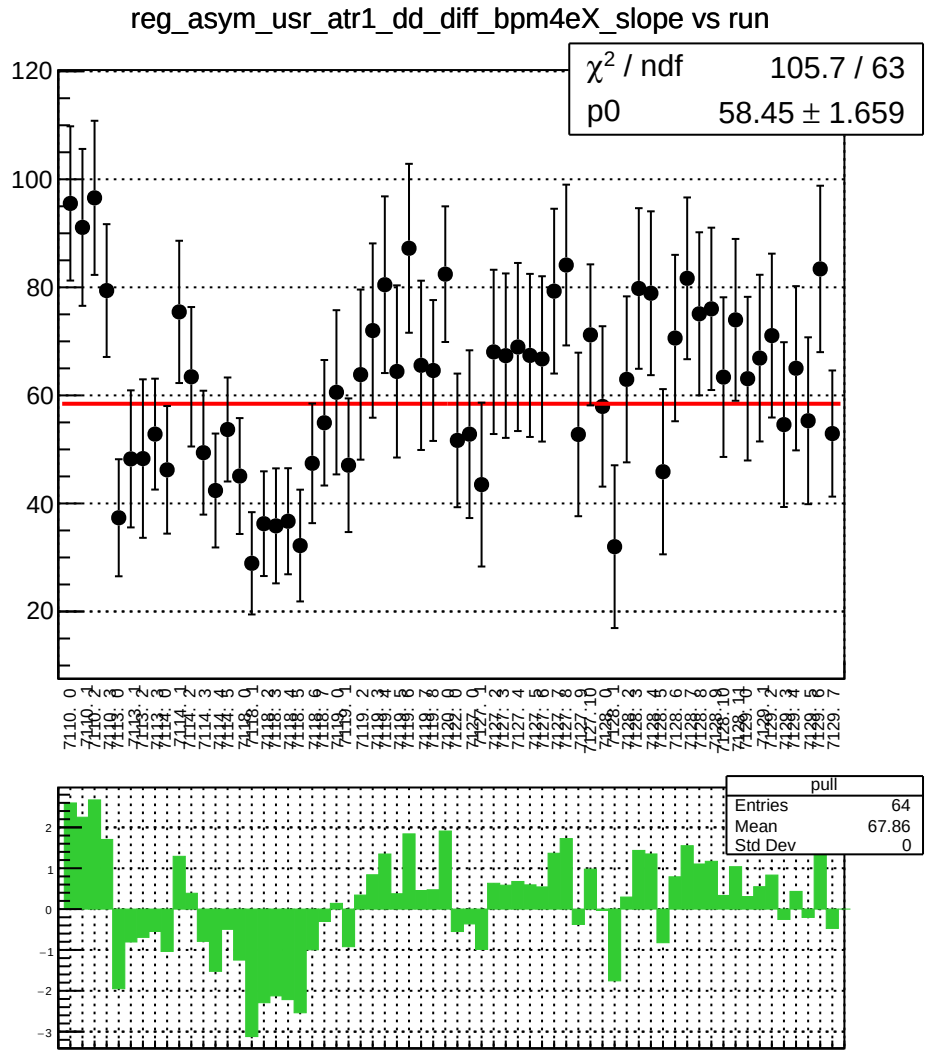

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.09 / 63
p0 1.242 ± 1.88
pull
Entries 64
Mean 1.419e+04
Std Dev 0

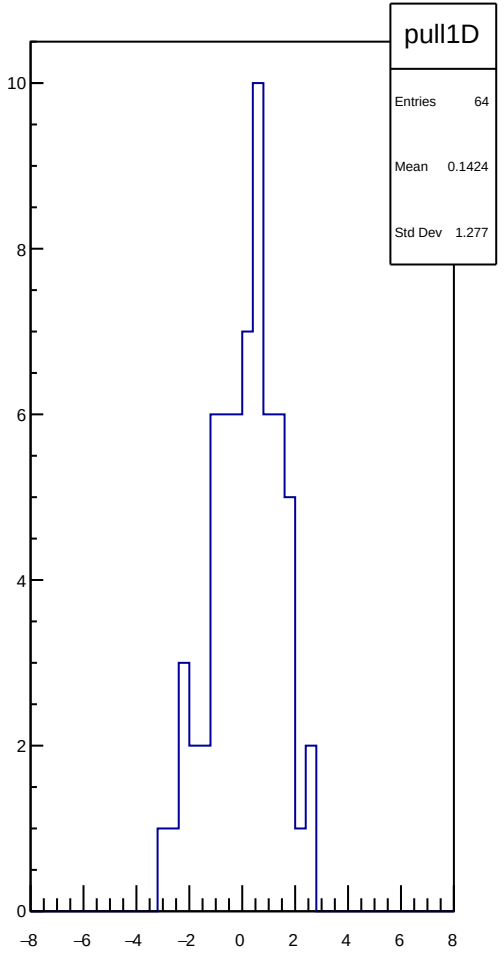

pull1D
Entries 64
Mean −0.0003249
Std Dev 1.016

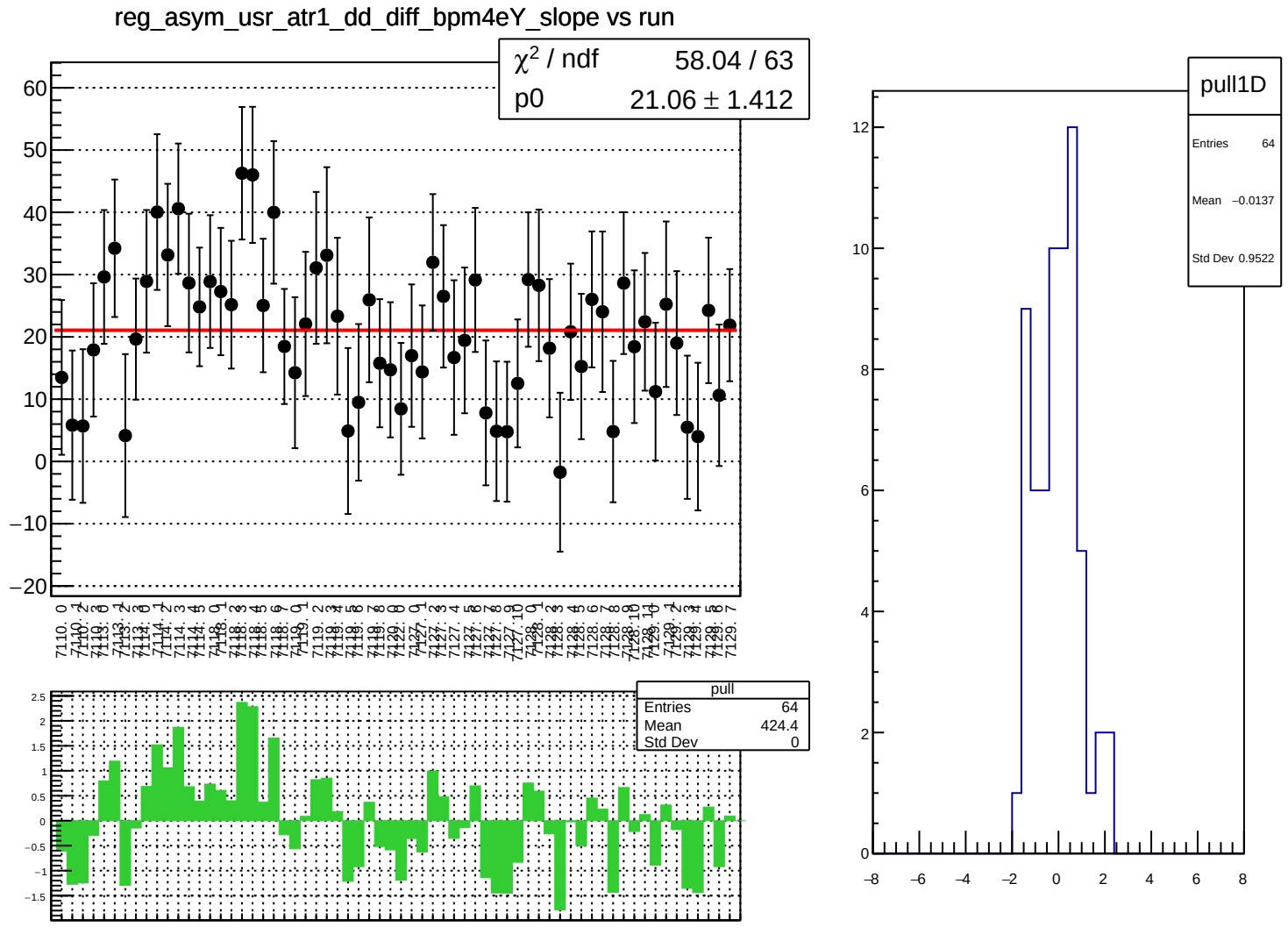

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 81.58 / 63
p0 −29.21 ± 0.08359
pull
Entries 64
Mean −543.3
Std Dev 0
pull1D
Entries 64
Mean −0.01081
Std Dev 1.129

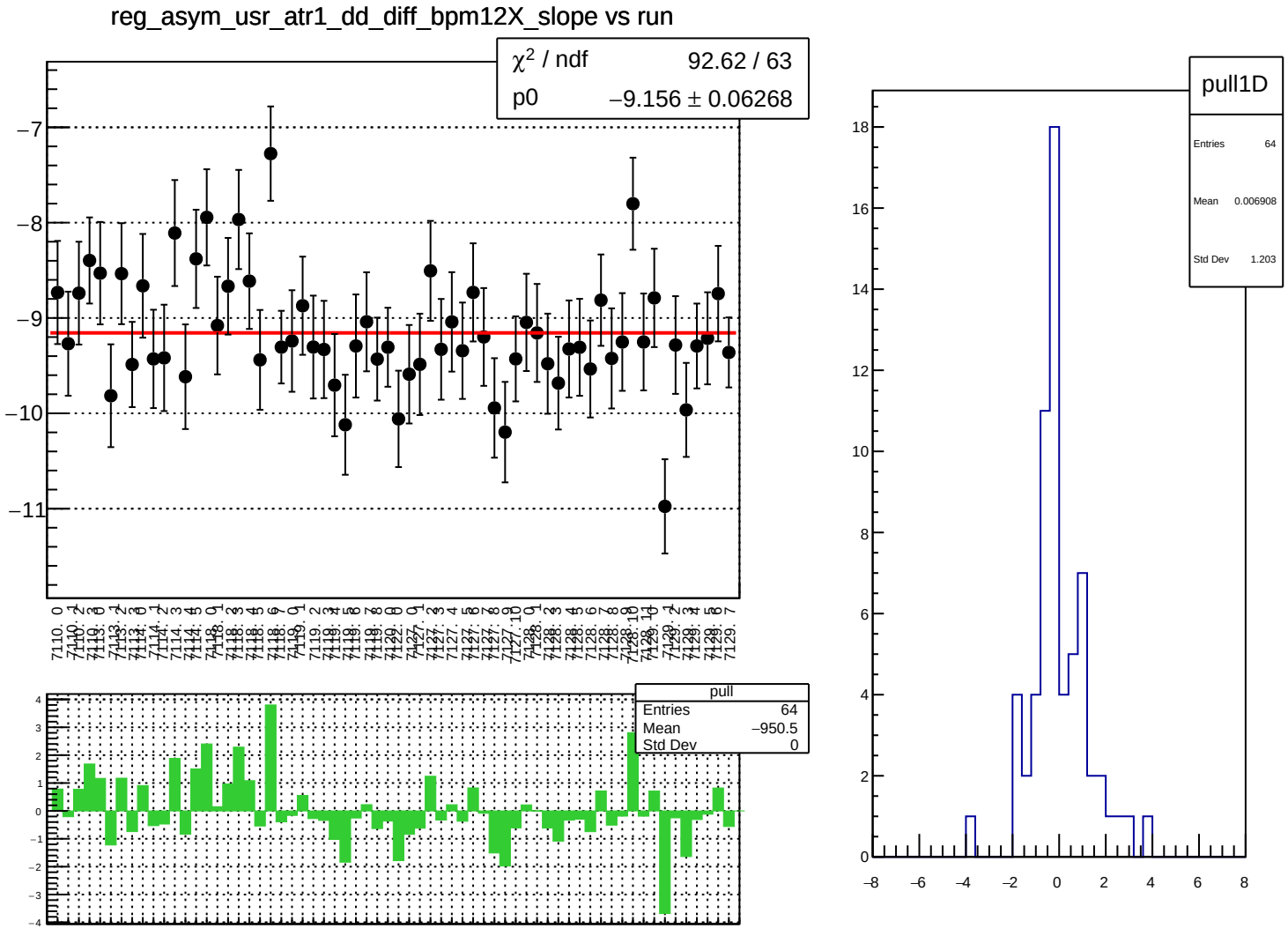

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 105.2 / 63
p0 0.8526 ± 1.67
pull
Entries 64
Mean 67.84
Std Dev 0
pull1D
Entries 64
Mean −0.1373
Std Dev 1.275

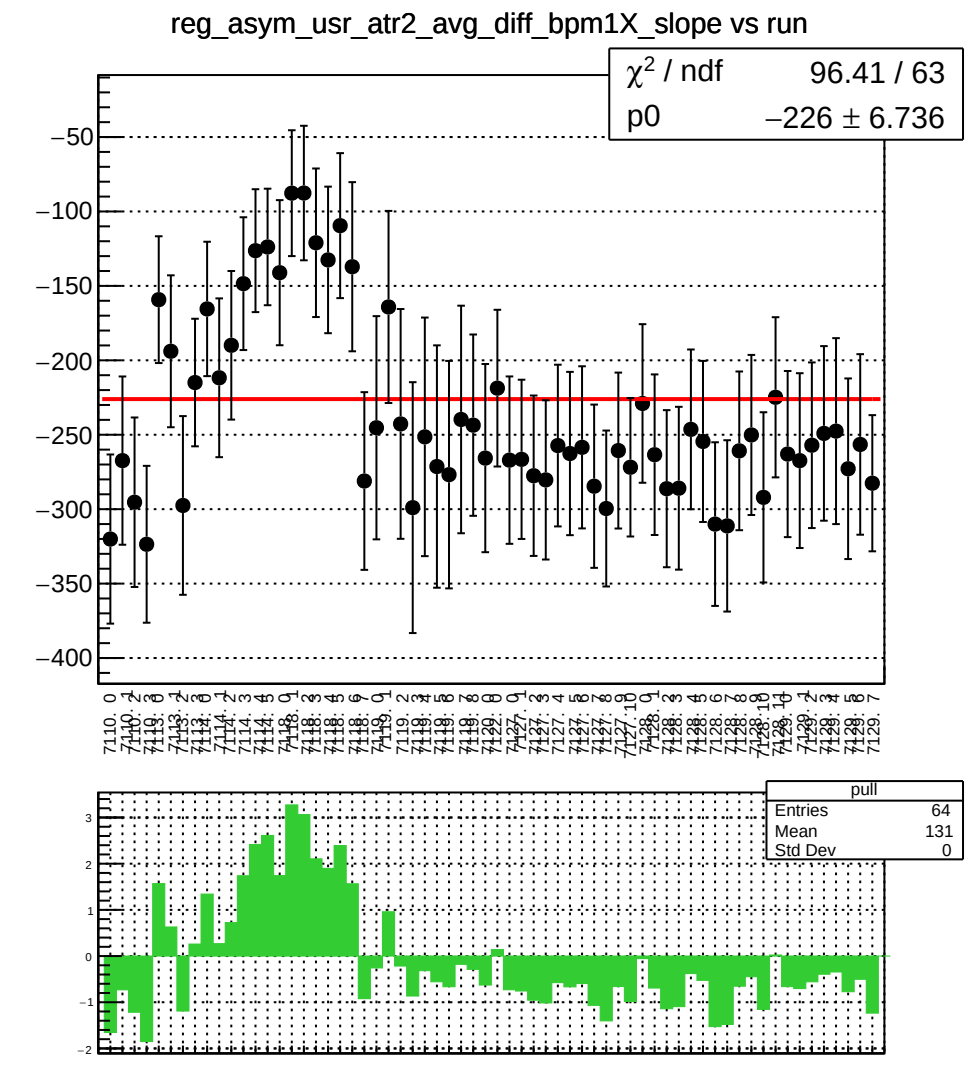

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.62 / 63
p0 −7.993 ± 1.339
pull
Entries 64
Mean 528.8
Std Dev 0
pull1D
Entries 64
Mean 0.01175
Std Dev 0.9488

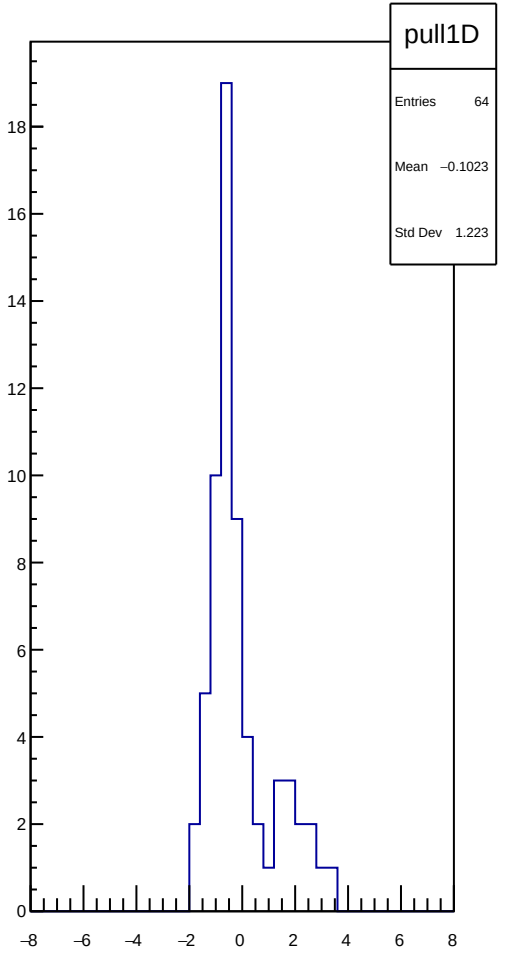

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.7 / 63
p0 58.45 ± 1.659
pull
Entries 64
Mean 67.86
Std Dev 0

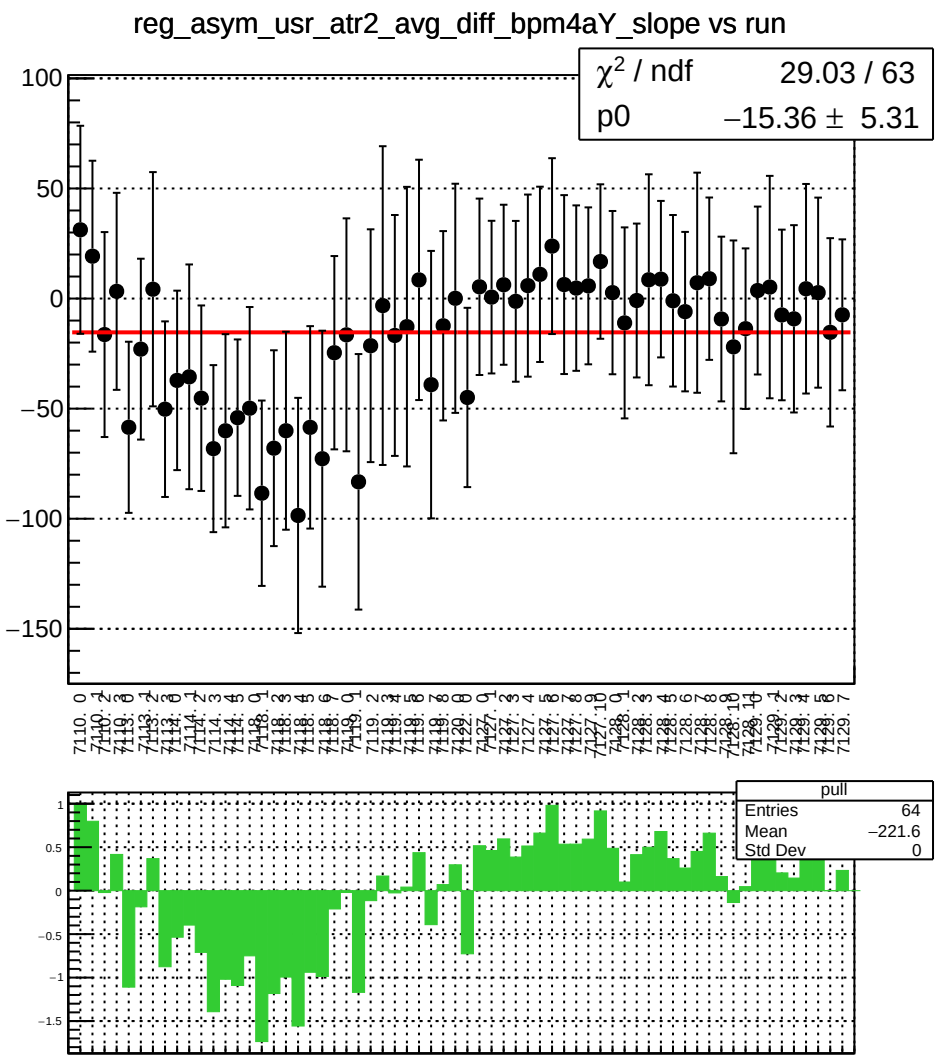

pull1D
Entries 64
Mean 0.1424
Std Dev 1.277

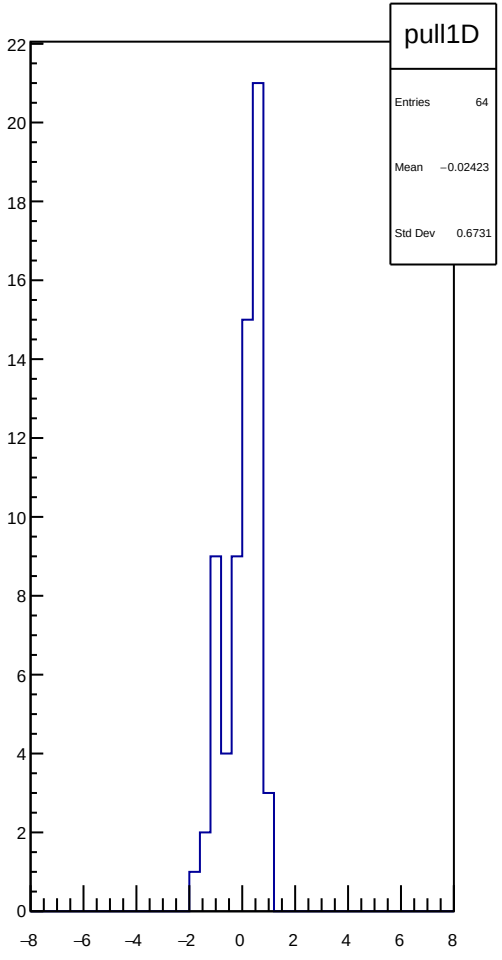

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.04 / 63
p0 21.06 ± 1.412
pull
Entries 64
Mean 424.4
Std Dev 0
pull1D
Entries 64
Mean −0.0137
Std Dev 0.9522

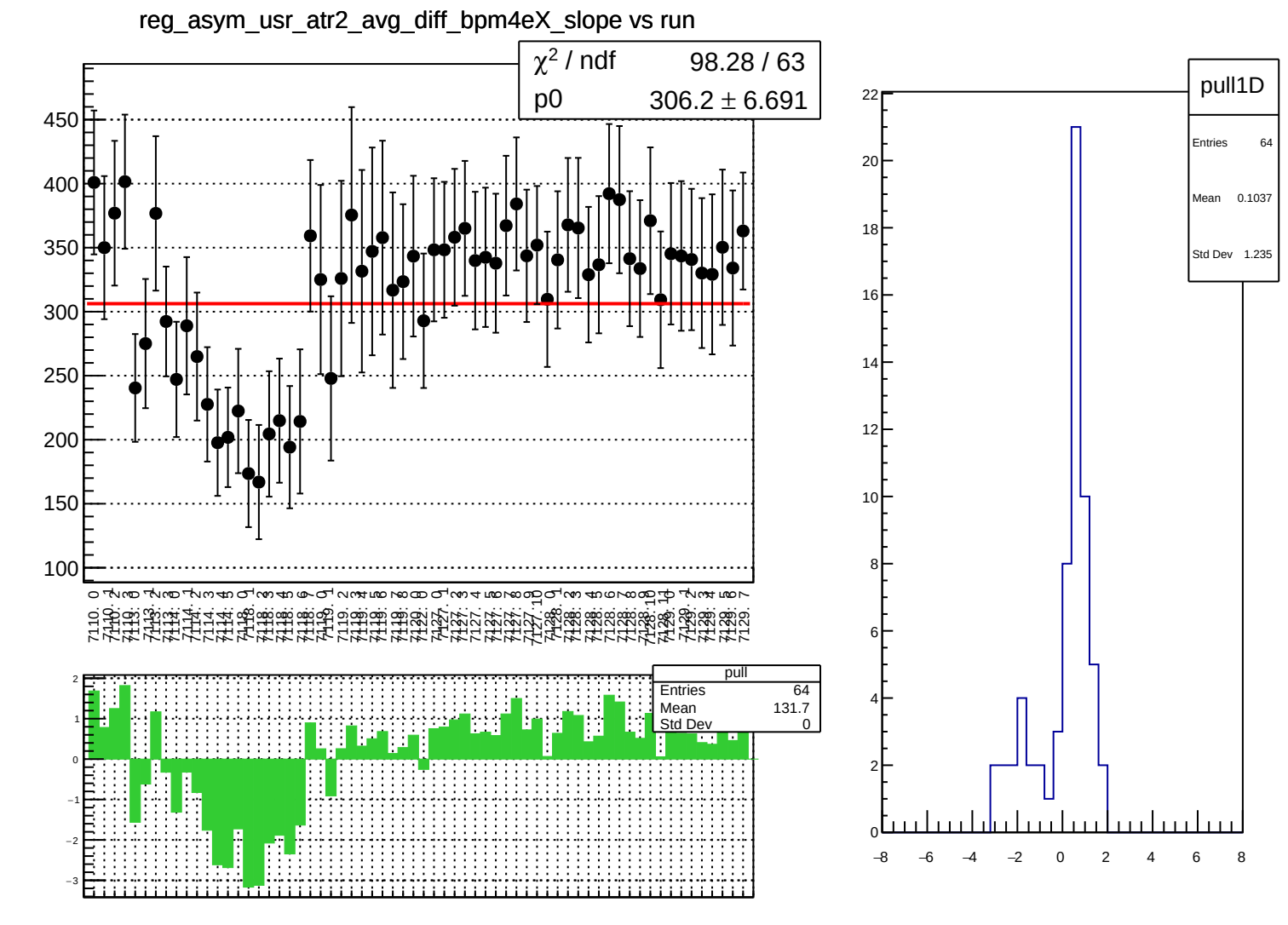

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 92.62 / 63
p0 −9.156 ± 0.06268
pull
Entries 64
Mean −950.5
Std Dev 0
pull1D
Entries 64
Mean 0.006908
Std Dev 1.203

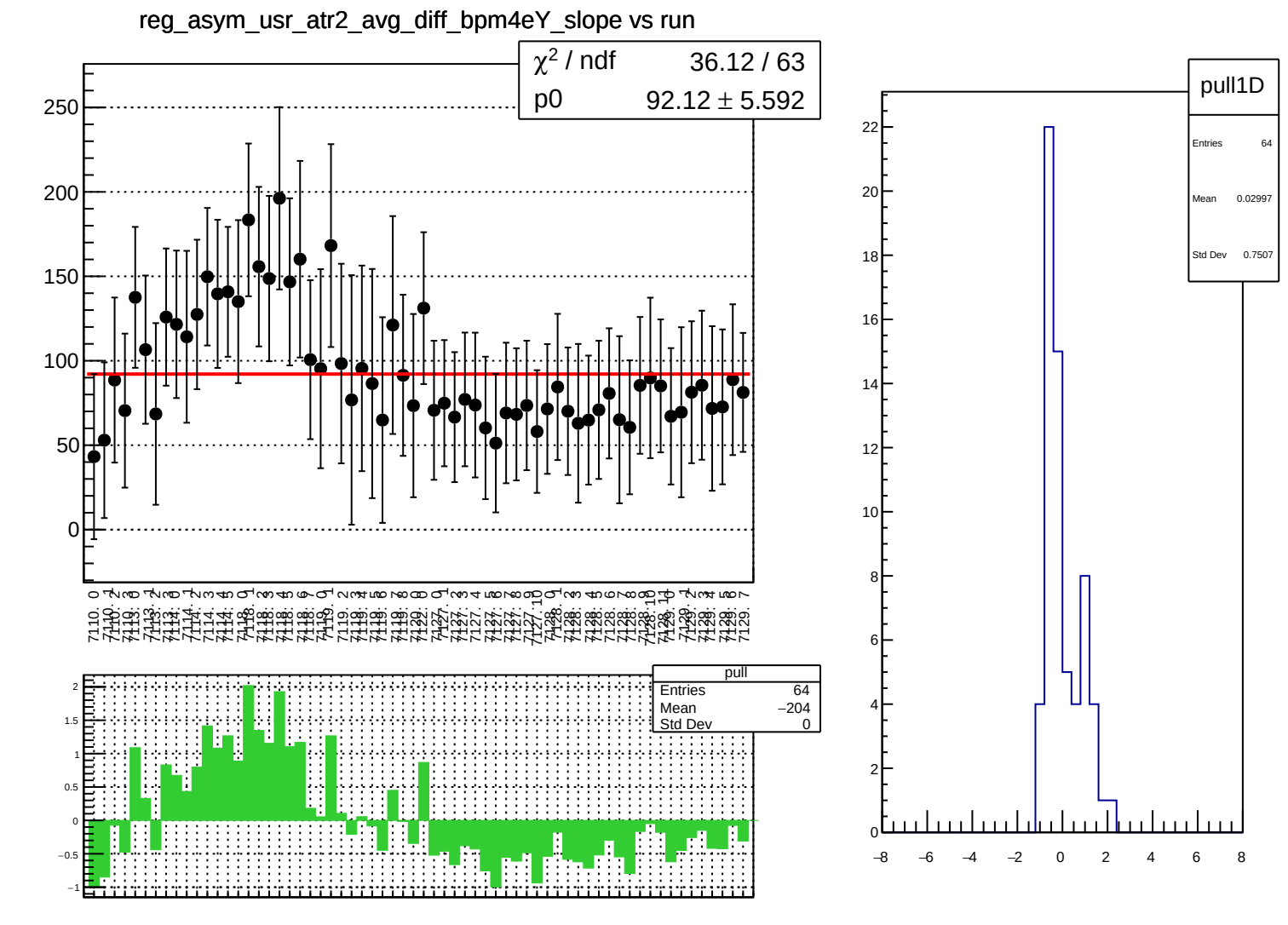

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 96.41 / 63
p0 −226 ± 6.736
pull
Entries 64
Mean 131
Std Dev 0

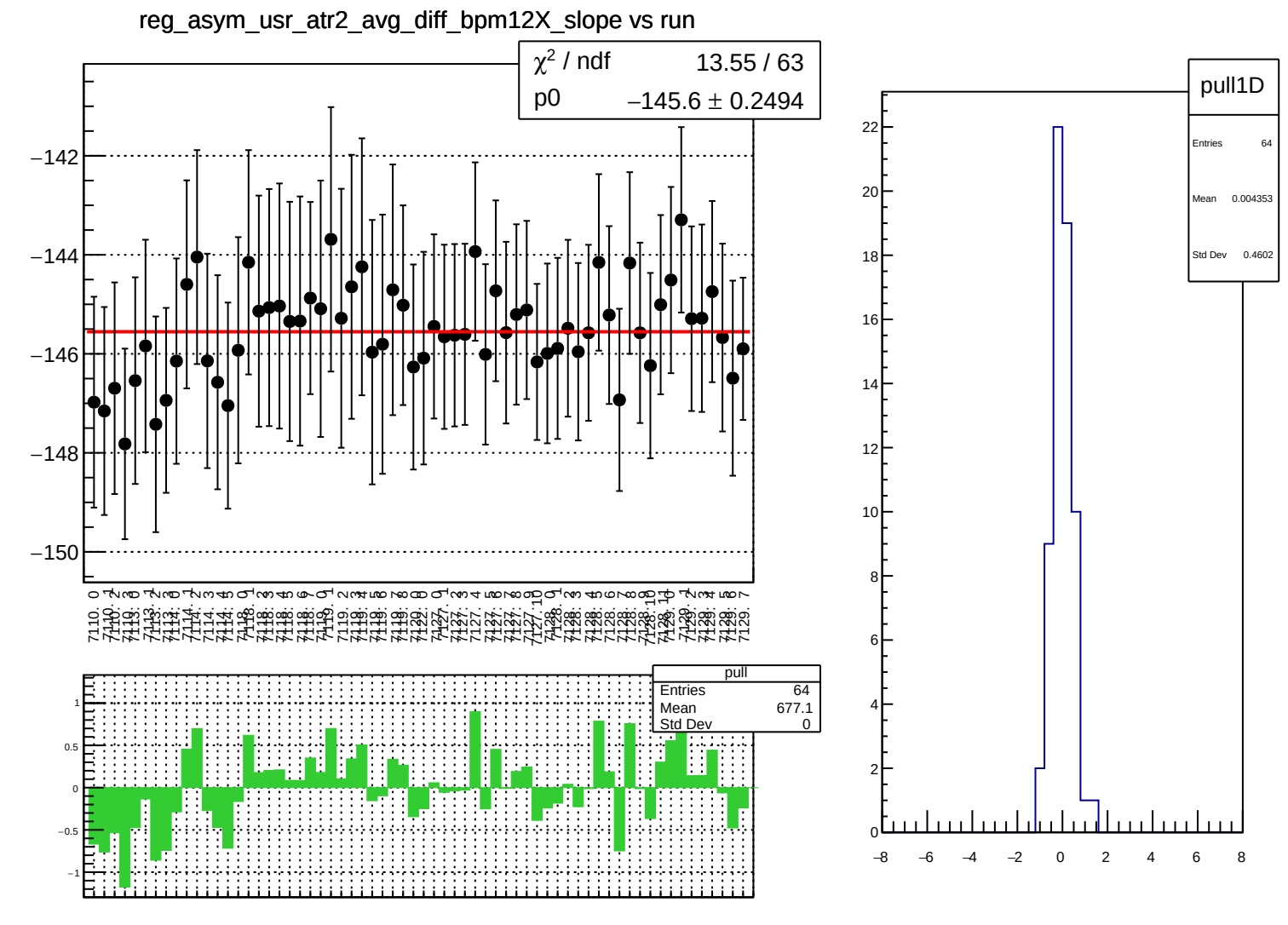

pull1D
Entries 64
Mean −0.1023
Std Dev 1.223

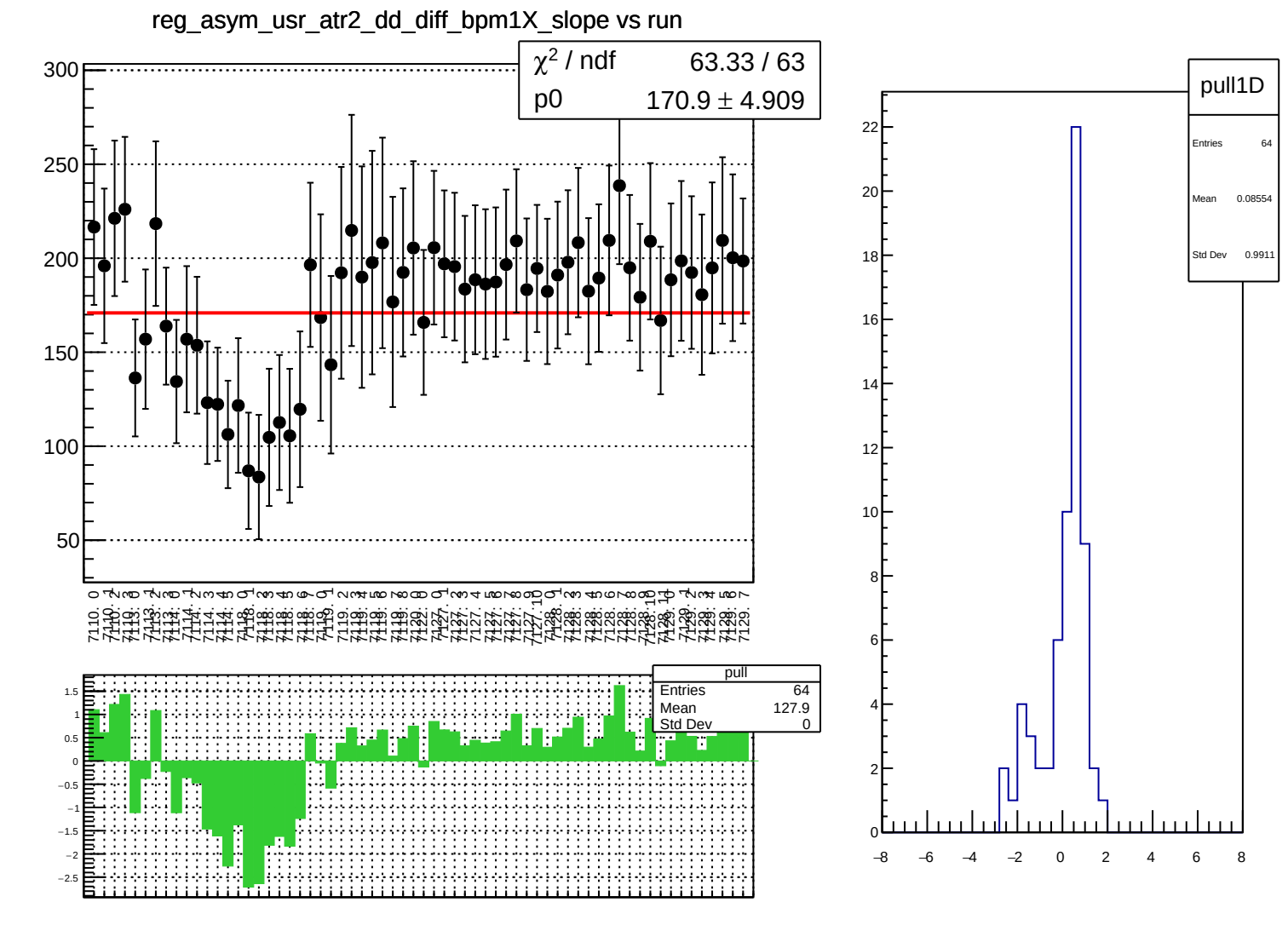

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.03 / 63
p0 −15.36 ± 5.31
pull
Entries 64
Mean −221.6
Std Dev 0

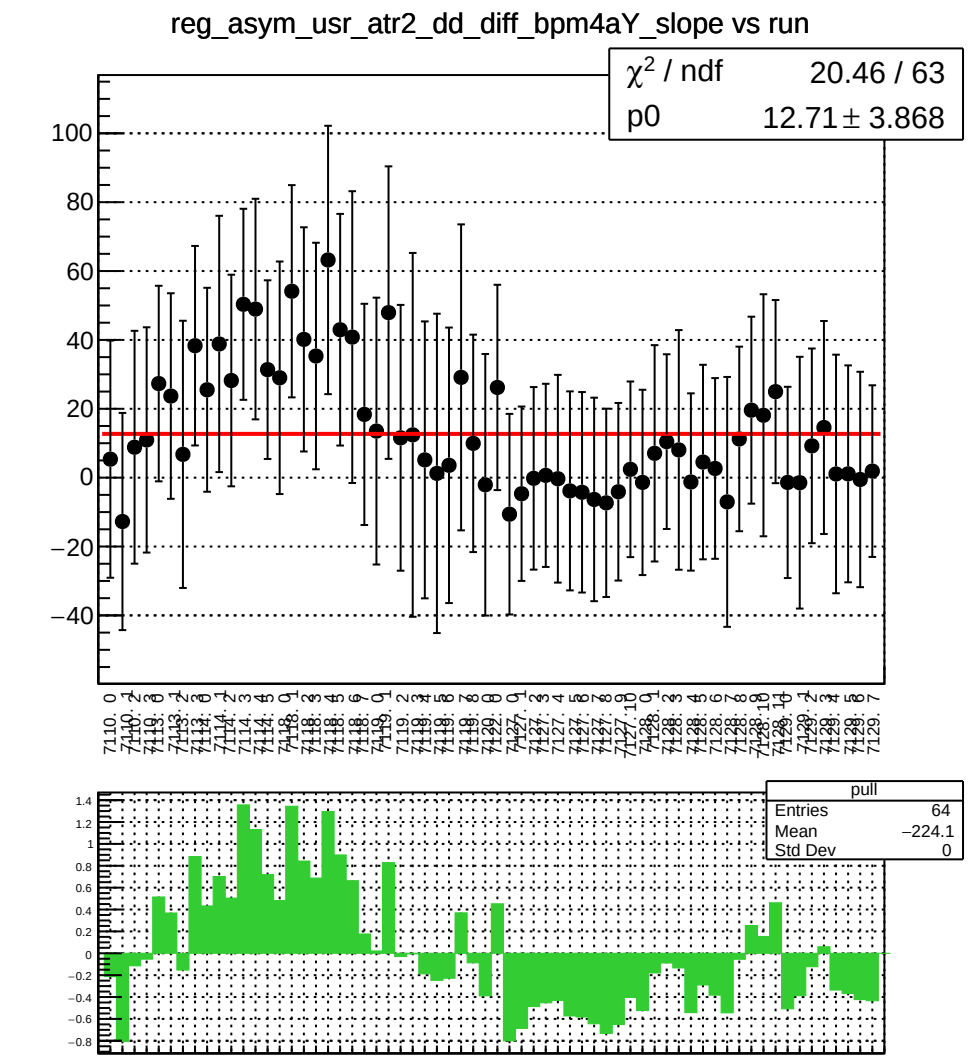

pull1D
Entries 64
Mean −0.02423
Std Dev 0.6731

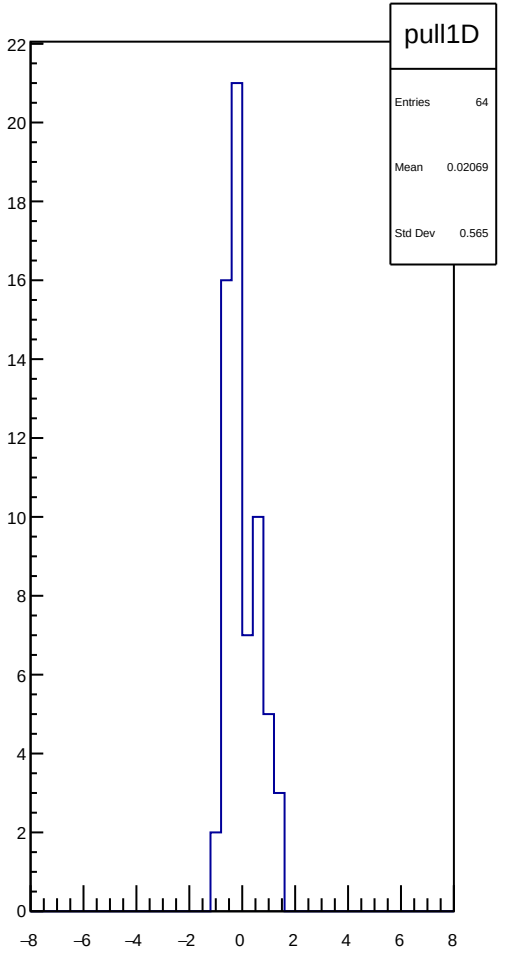

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 98.28 / 63
p0 306.2 ± 6.691
pull
Entries 64
Mean 131.7
Std Dev 0
pull1D
Entries 64
Mean 0.1037
Std Dev 1.235

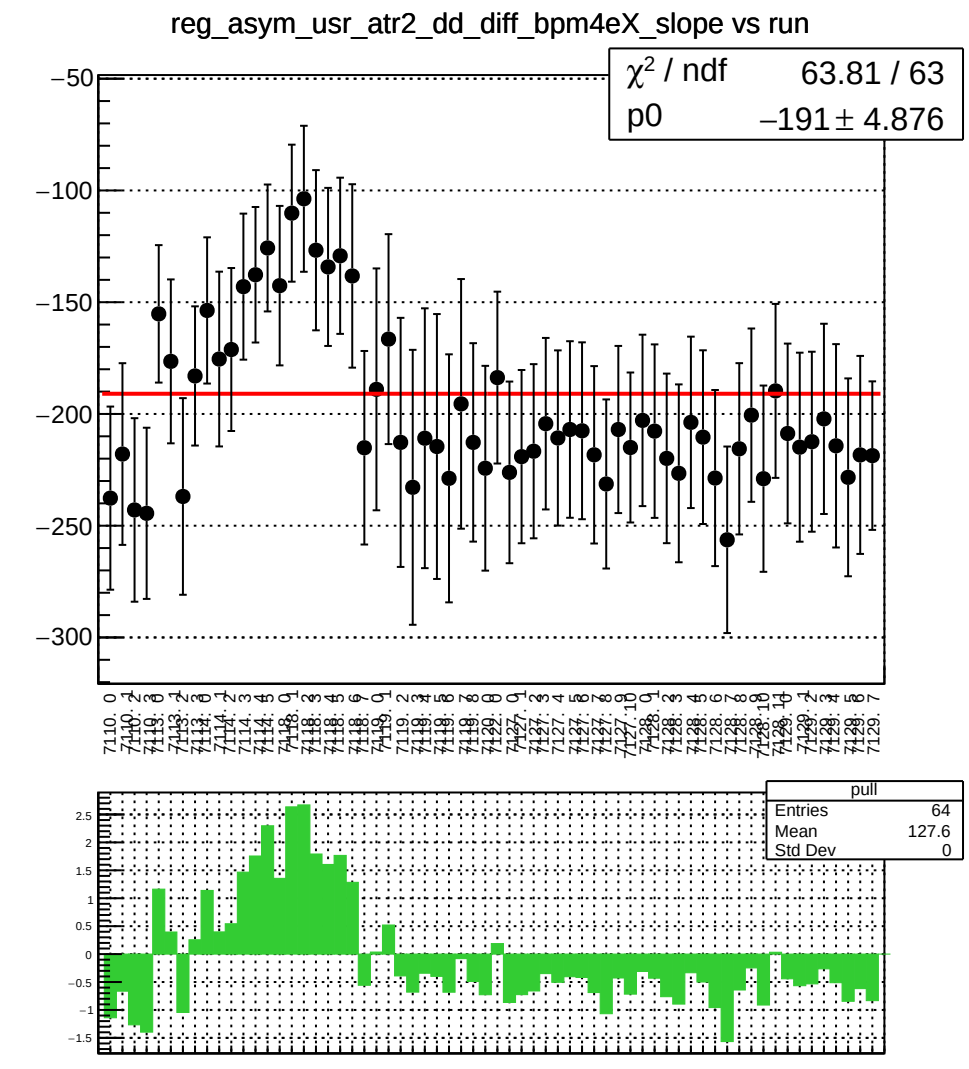

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.12 / 63
p0 92.12 ± 5.592
pull
Entries 64
Mean −204
Std Dev 0
pull1D
Entries 64
Mean 0.02997
Std Dev 0.7507

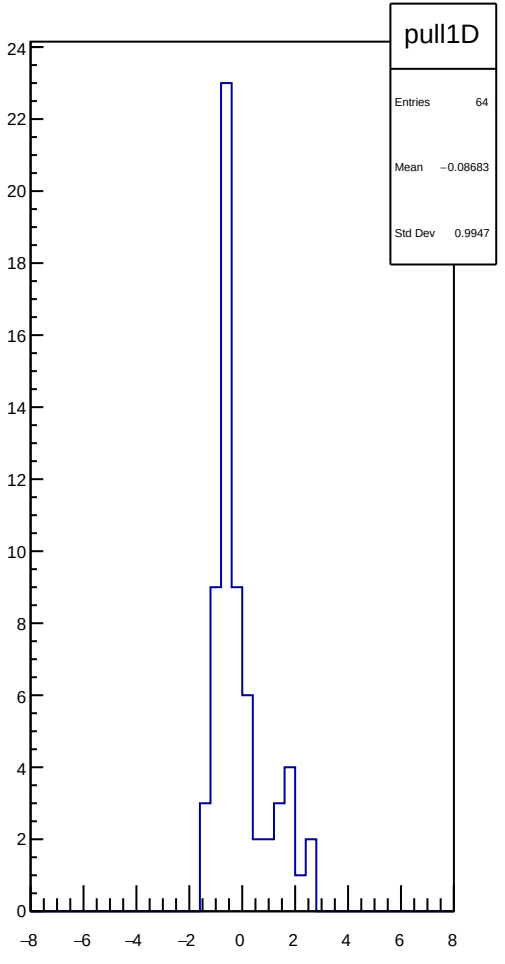

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.55 / 63
p0 −145.6 ± 0.2494
pull
Entries 64
Mean 677.1
Std Dev 0
pull1D
Entries 64
Mean 0.004353
Std Dev 0.4602

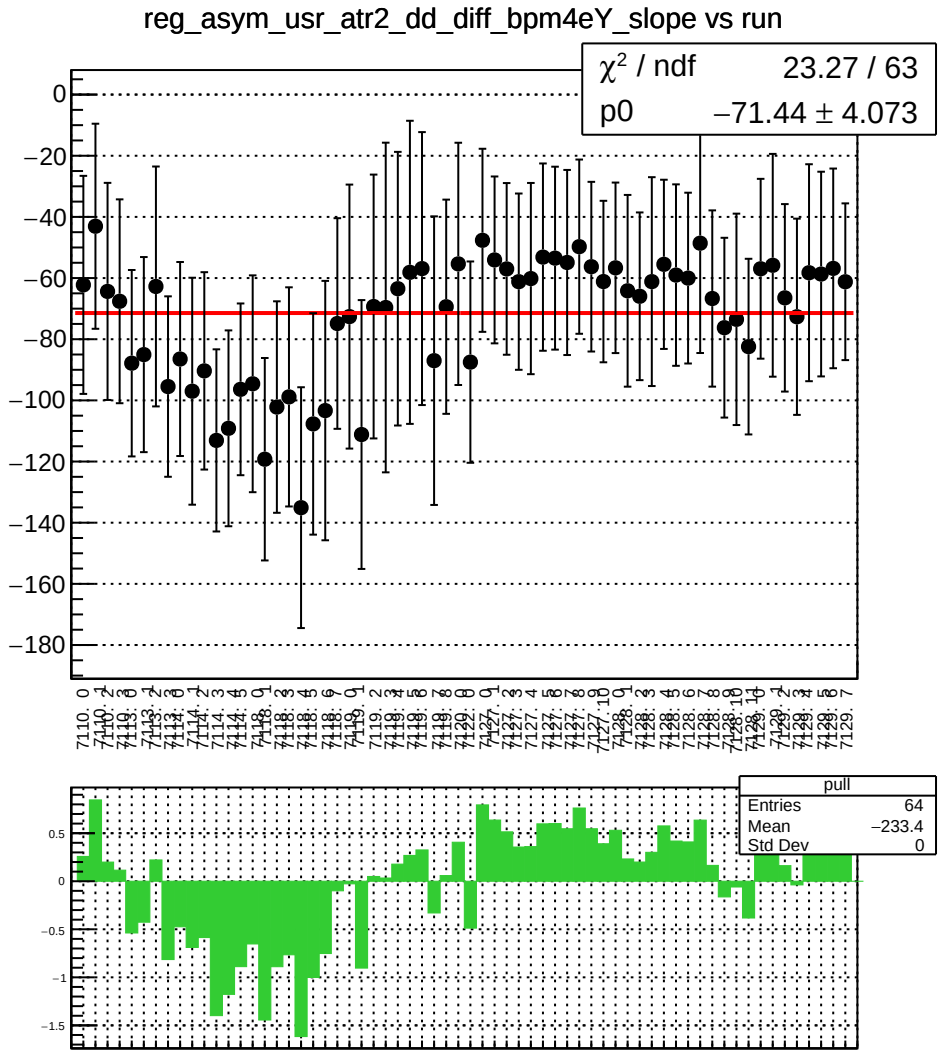

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 63.33 / 63
p0 170.9 ± 4.909
pull
Entries 64
Mean 127.9
Std Dev 0
pull1D
Entries 64
Mean 0.08554
Std Dev 0.9911

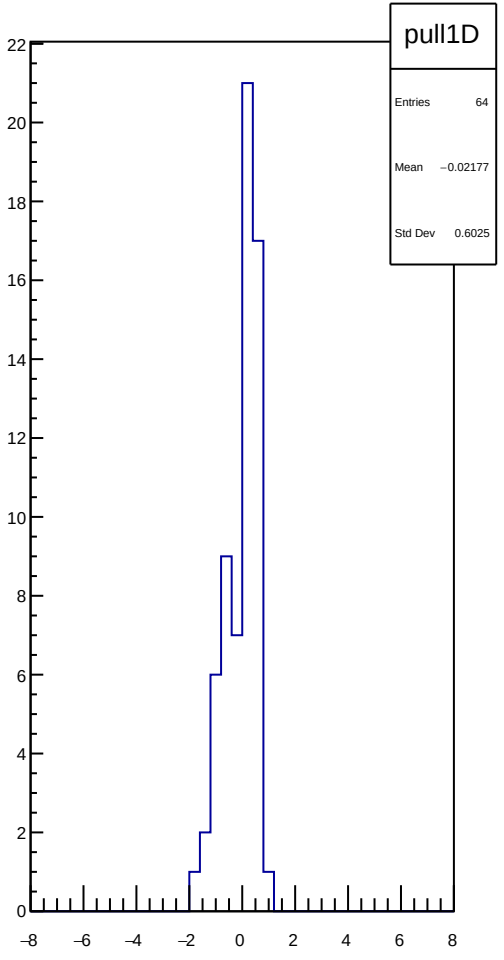

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.46 / 63
p0 12.71 ± 3.868
pull
Entries 64
Mean −224.1
Std Dev 0

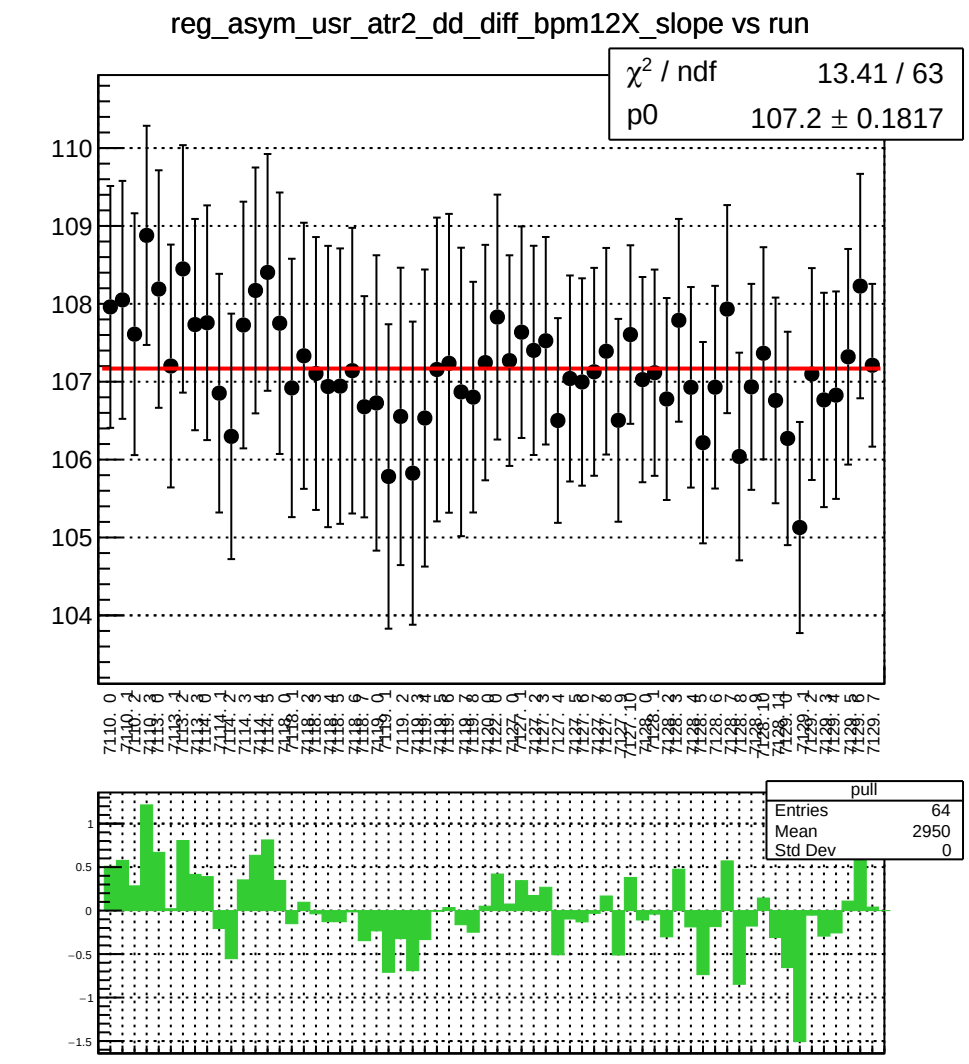

pull1D
Entries 64
Mean 0.02069
Std Dev 0.565

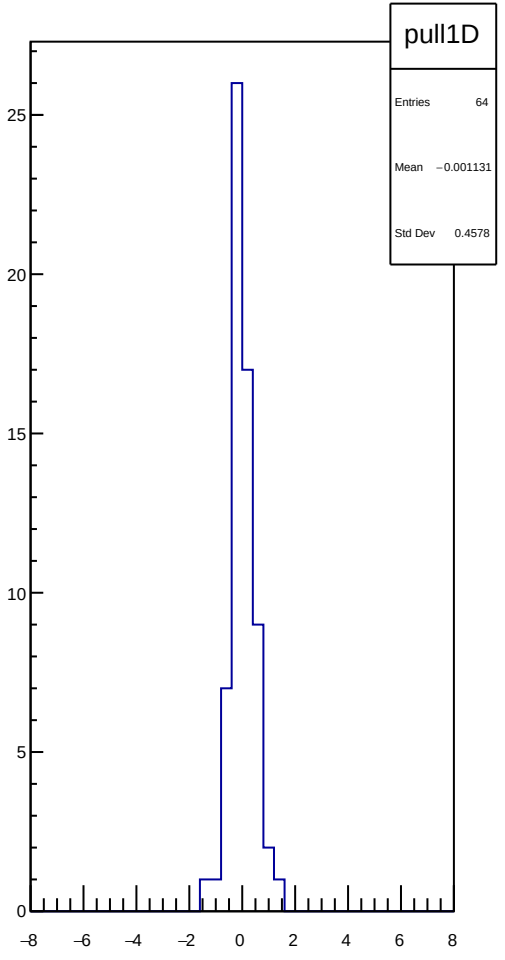

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.81 / 63
p0 −191 ± 4.876
pull
Entries 64
Mean 127.6
Std Dev 0

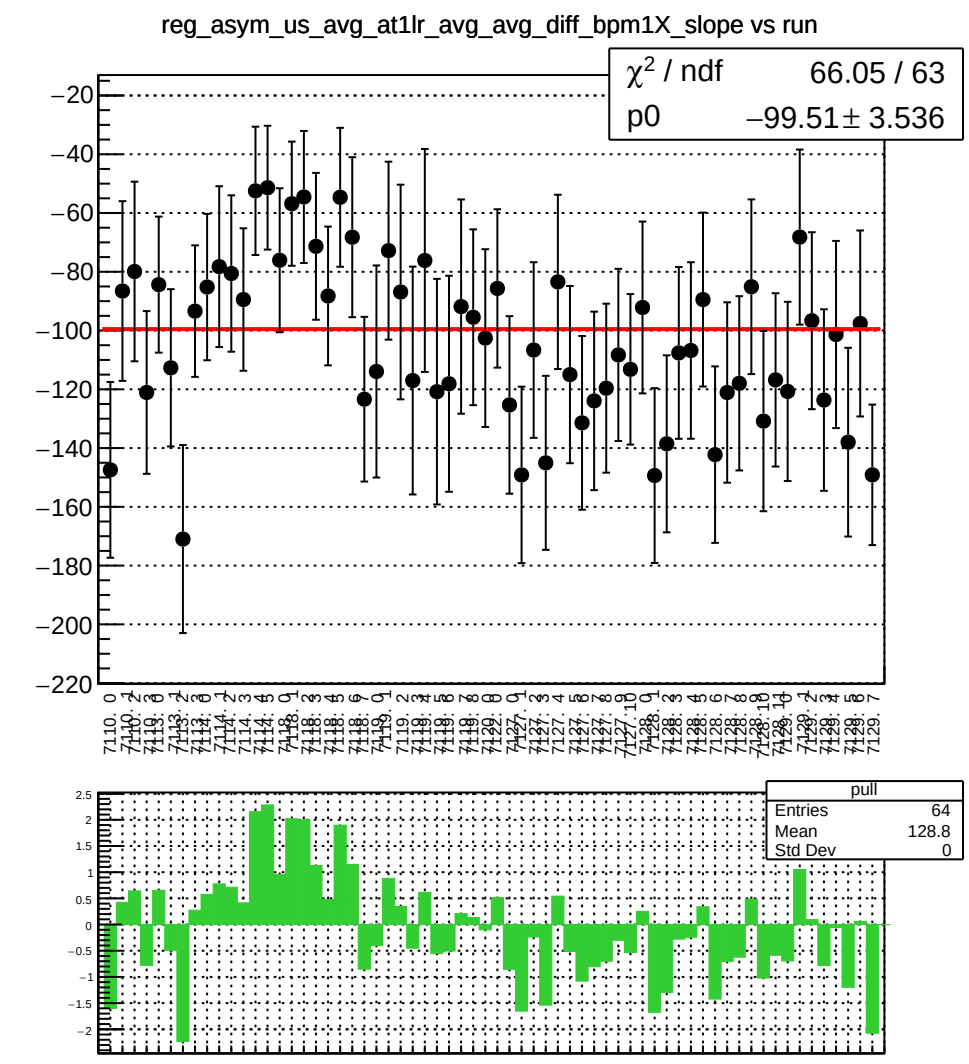

pull1D
Entries 64
Mean −0.08683
Std Dev 0.9947

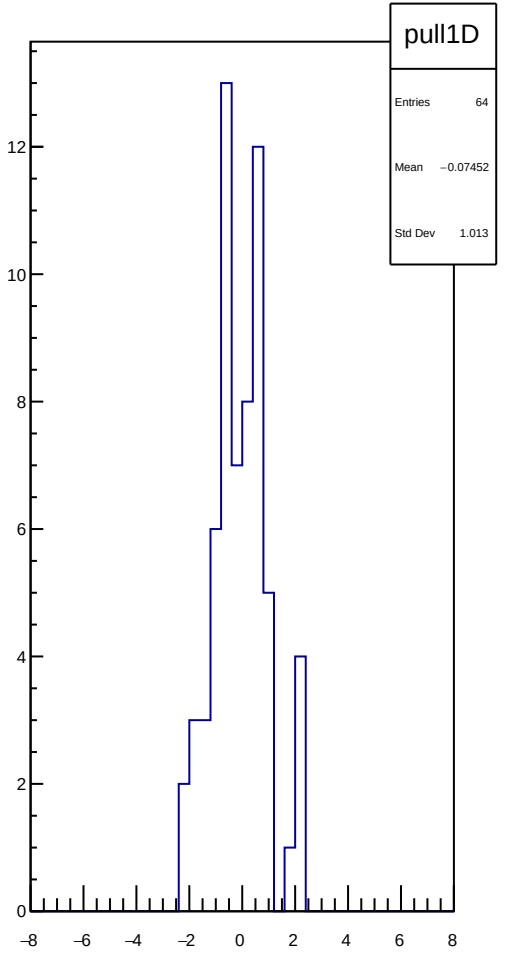

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.27 / 63
p0 −71.44 ± 4.073
pull
Entries 64
Mean −233.4
Std Dev 0

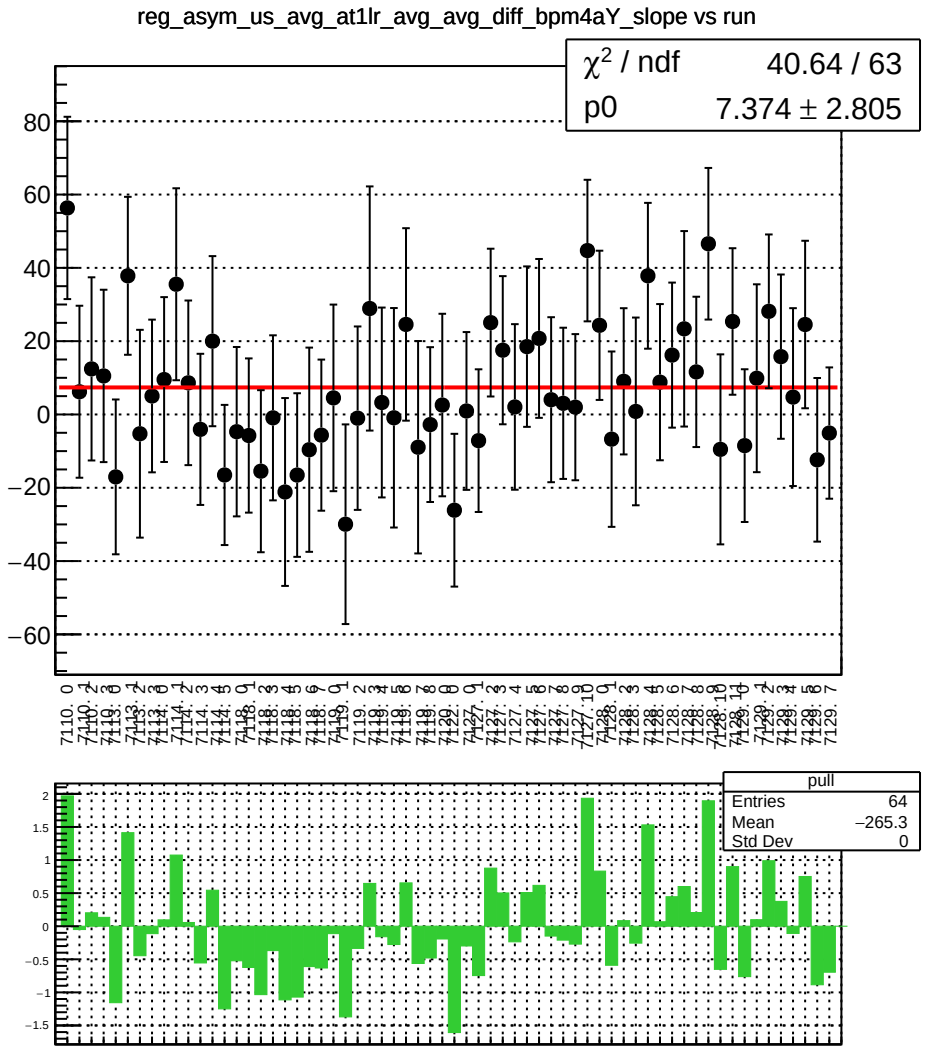

pull1D
Entries 64
Mean −0.02177
Std Dev 0.6025

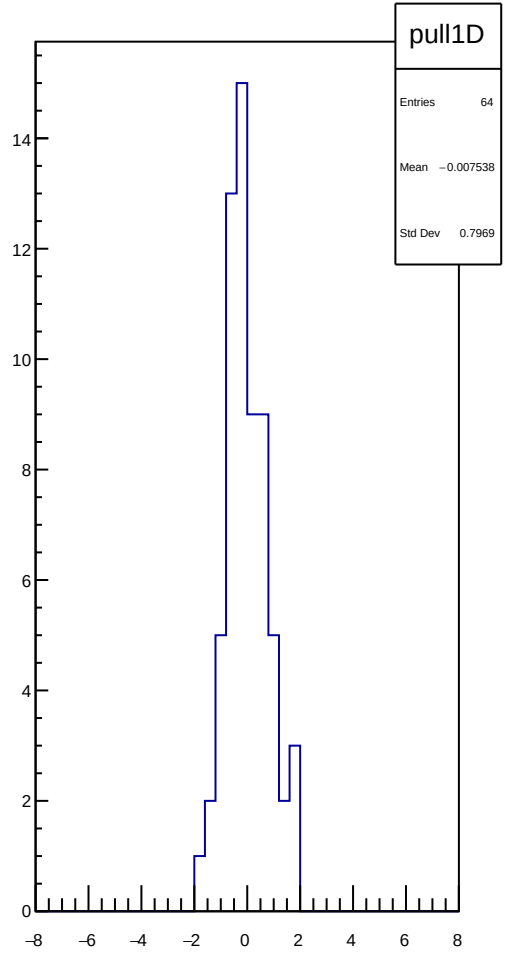

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.41 / 63
p0 107.2 ± 0.1817
pull
Entries 64
Mean 2950
Std Dev 0

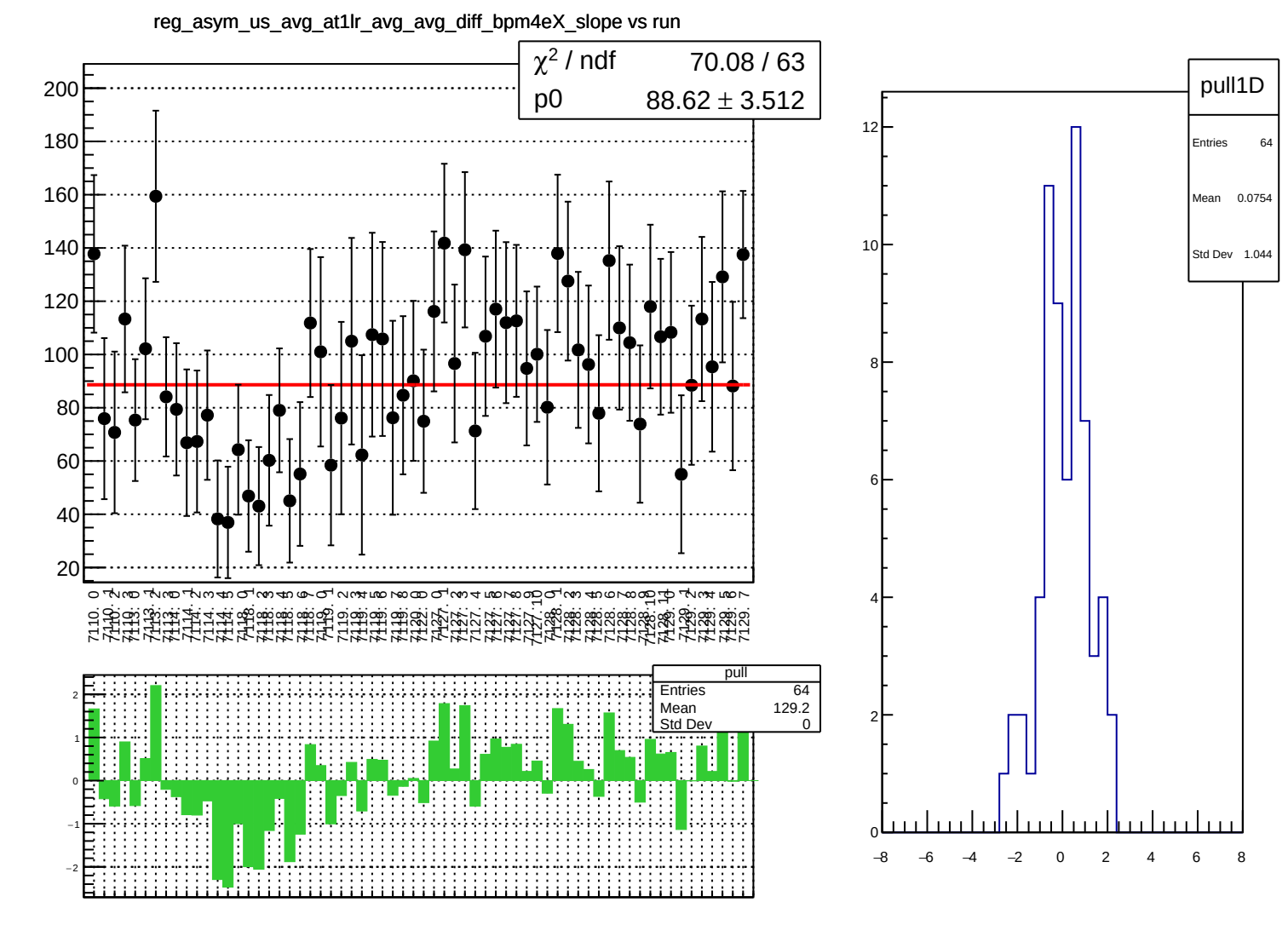

pull1D
Entries 64
Mean −0.001131
Std Dev 0.4578

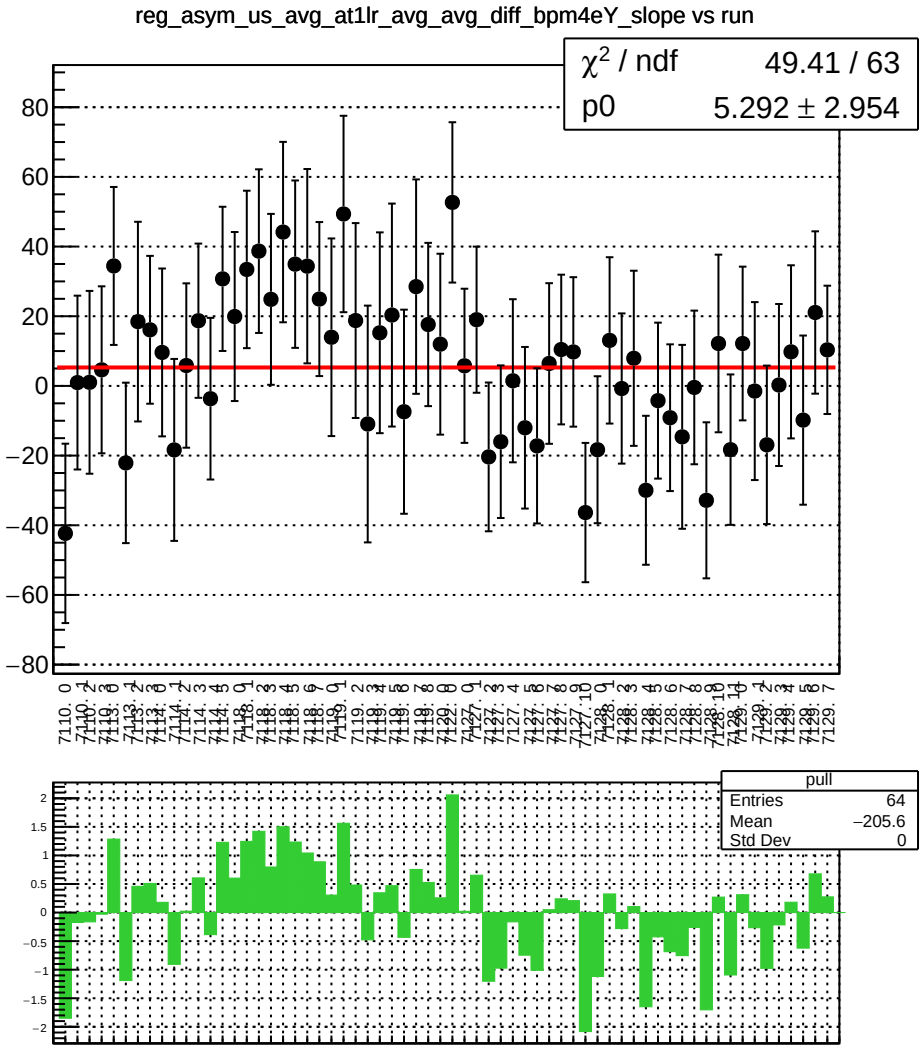

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 66.05 / 63
p0 −99.51 ± 3.536
pull
Entries 64
Mean 128.8
Std Dev 0

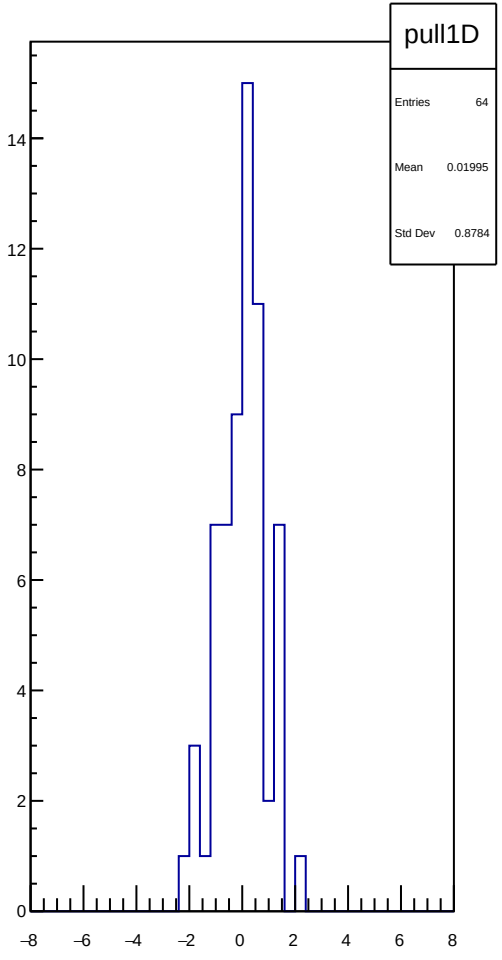

pull1D
Entries 64
Mean −0.07452
Std Dev 1.013

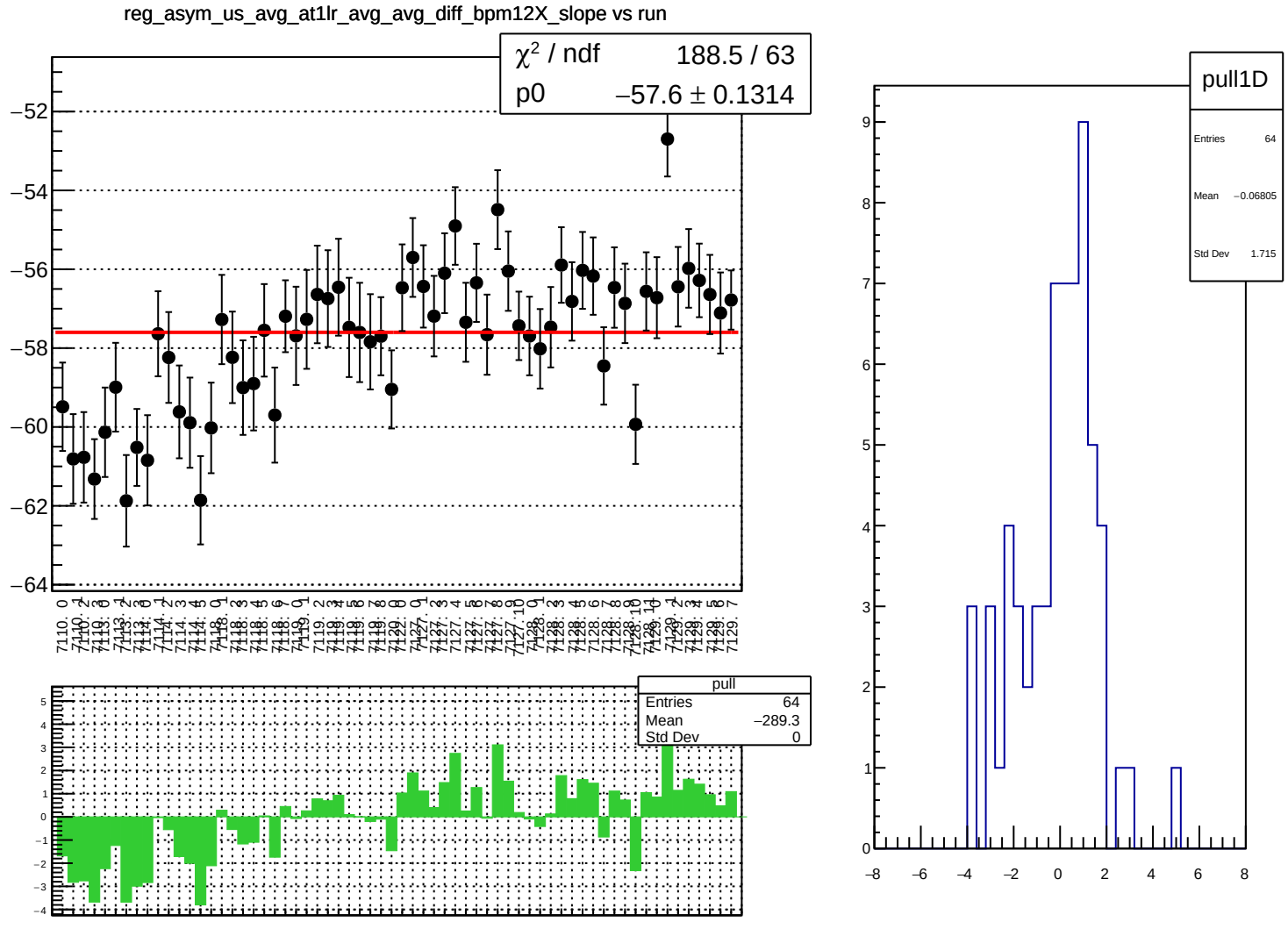

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.64 / 63
p0 7.374 ± 2.805
pull
Entries 64
Mean −265.3
Std Dev 0

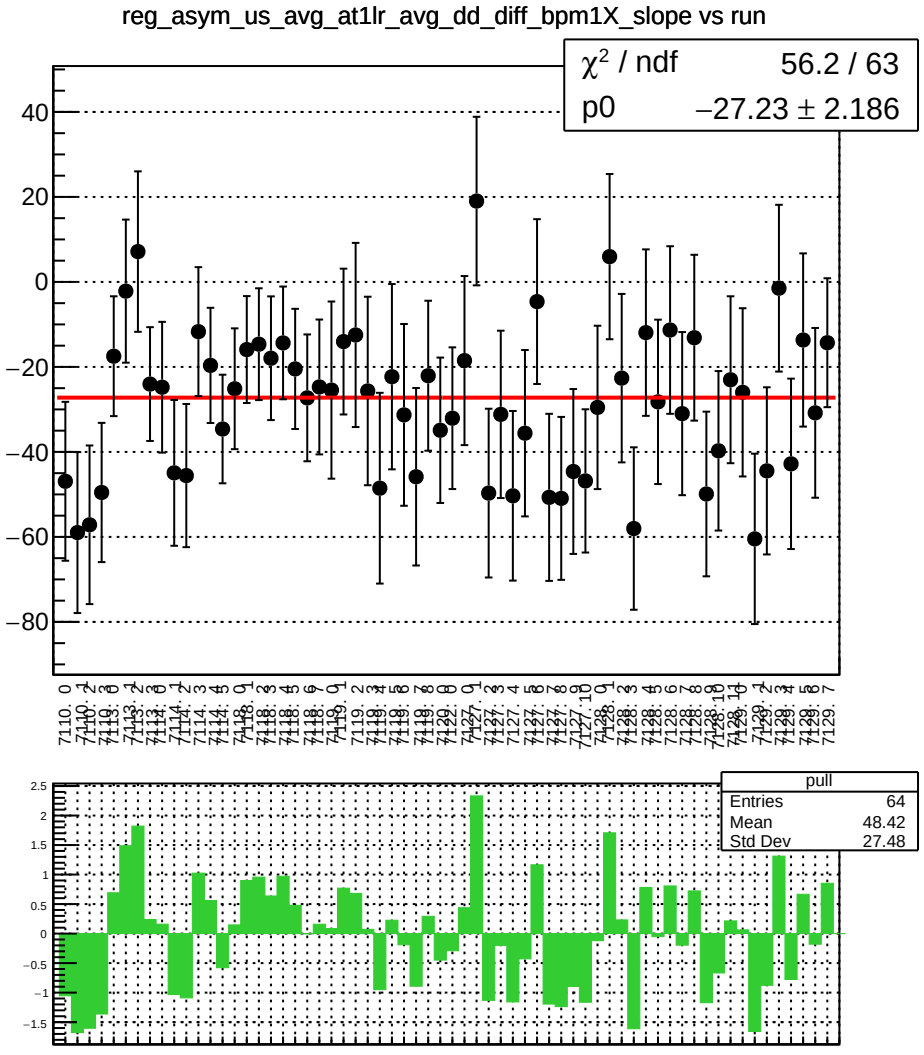

pull1D
Entries 64
Mean −0.007538
Std Dev 0.7969

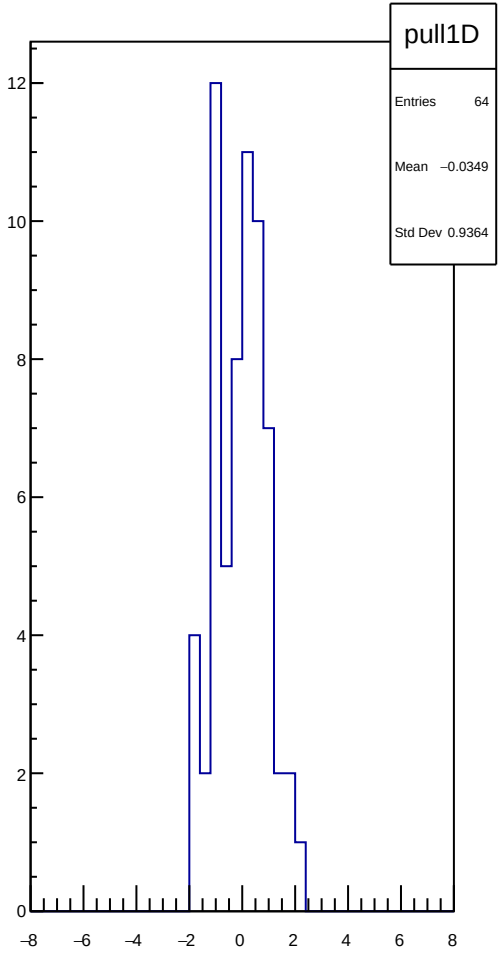

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.08 / 63
p0 88.62 ± 3.512
pull
Entries 64
Mean 129.2
Std Dev 0
pull1D
Entries 64
Mean 0.0754
Std Dev 1.044

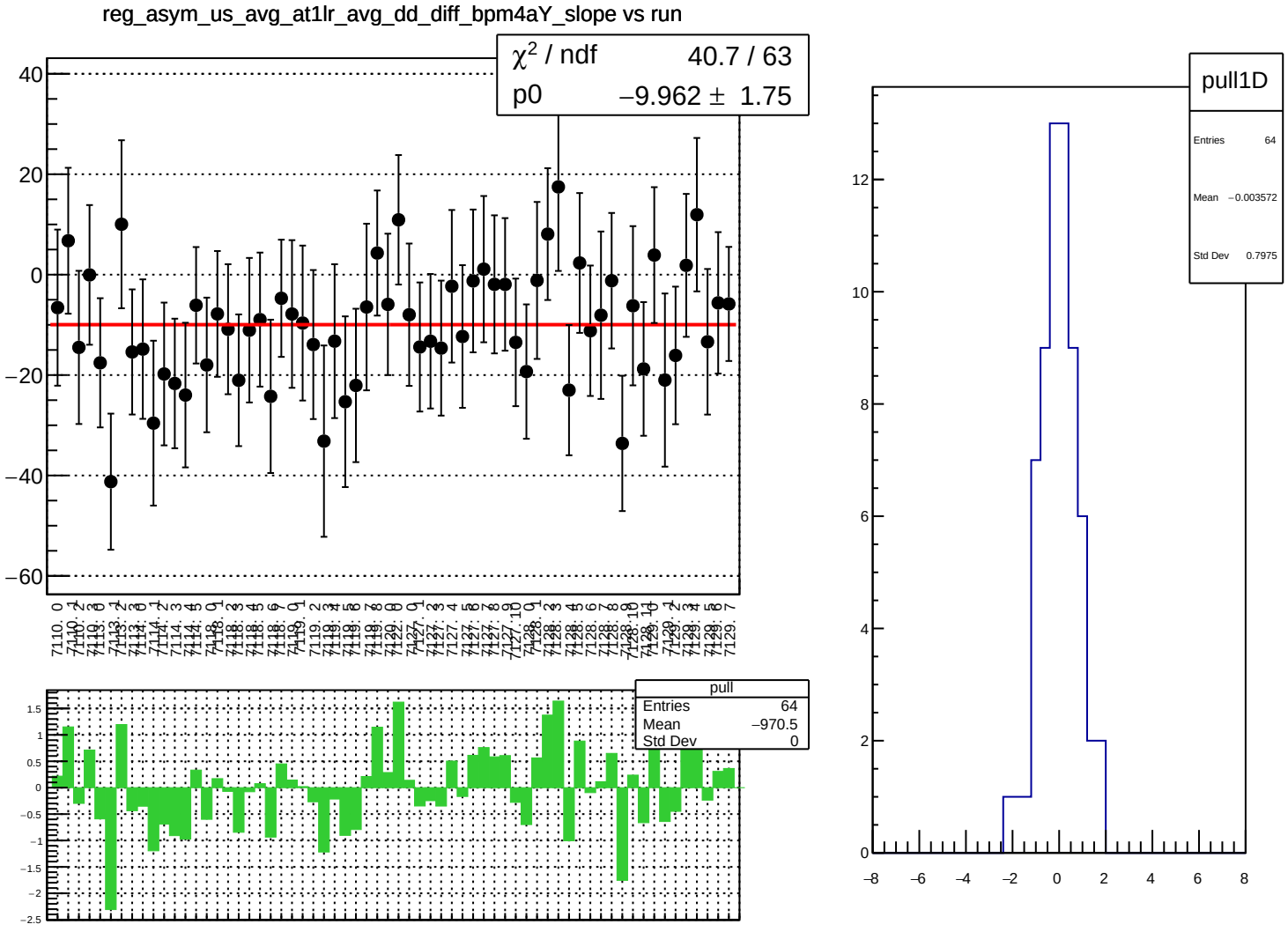

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.41 / 63
p0 5.292 ± 2.954
pull
Entries 64
Mean −205.6
Std Dev 0

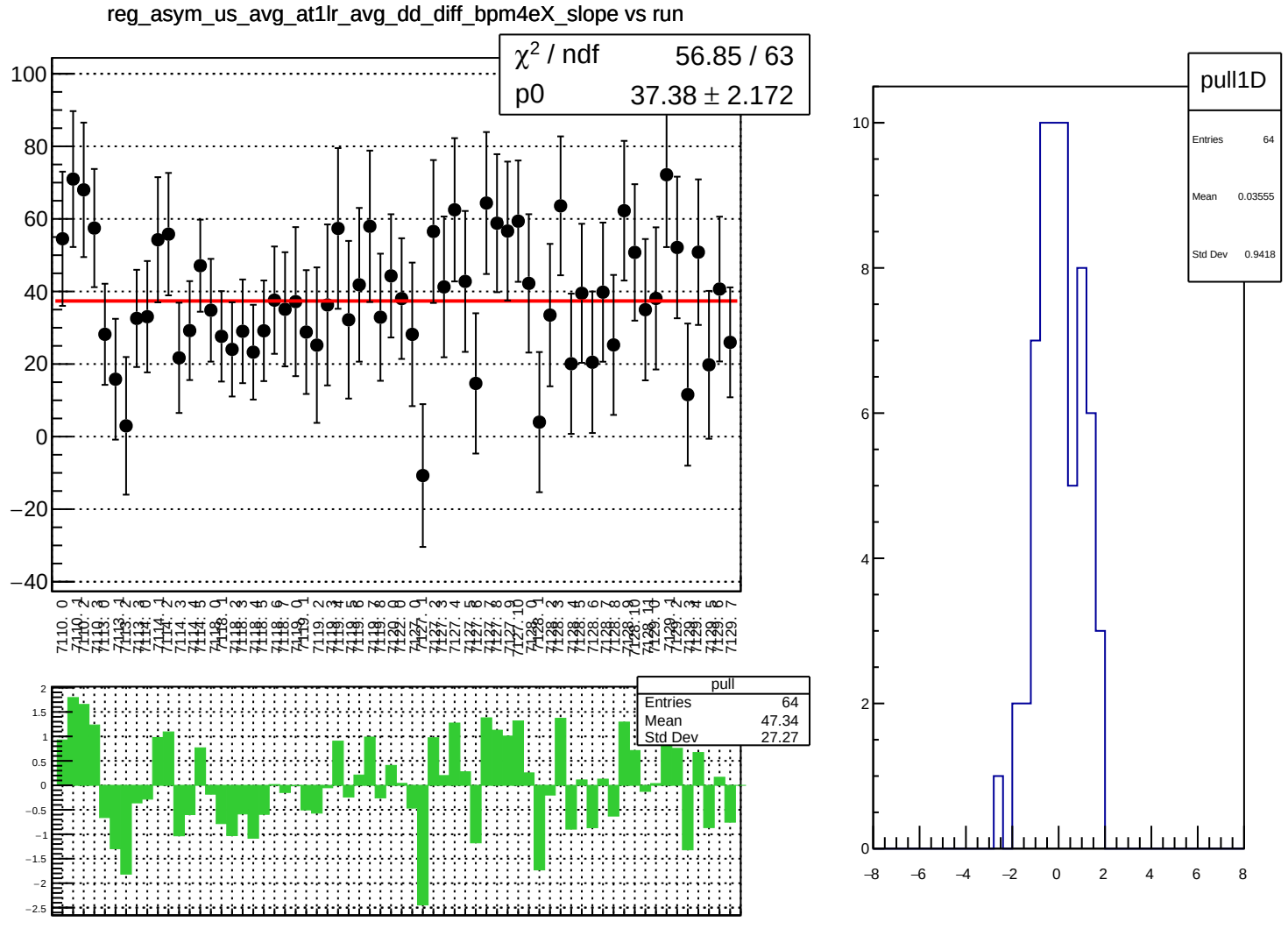

pull1D
Entries 64
Mean 0.01995
Std Dev 0.8784

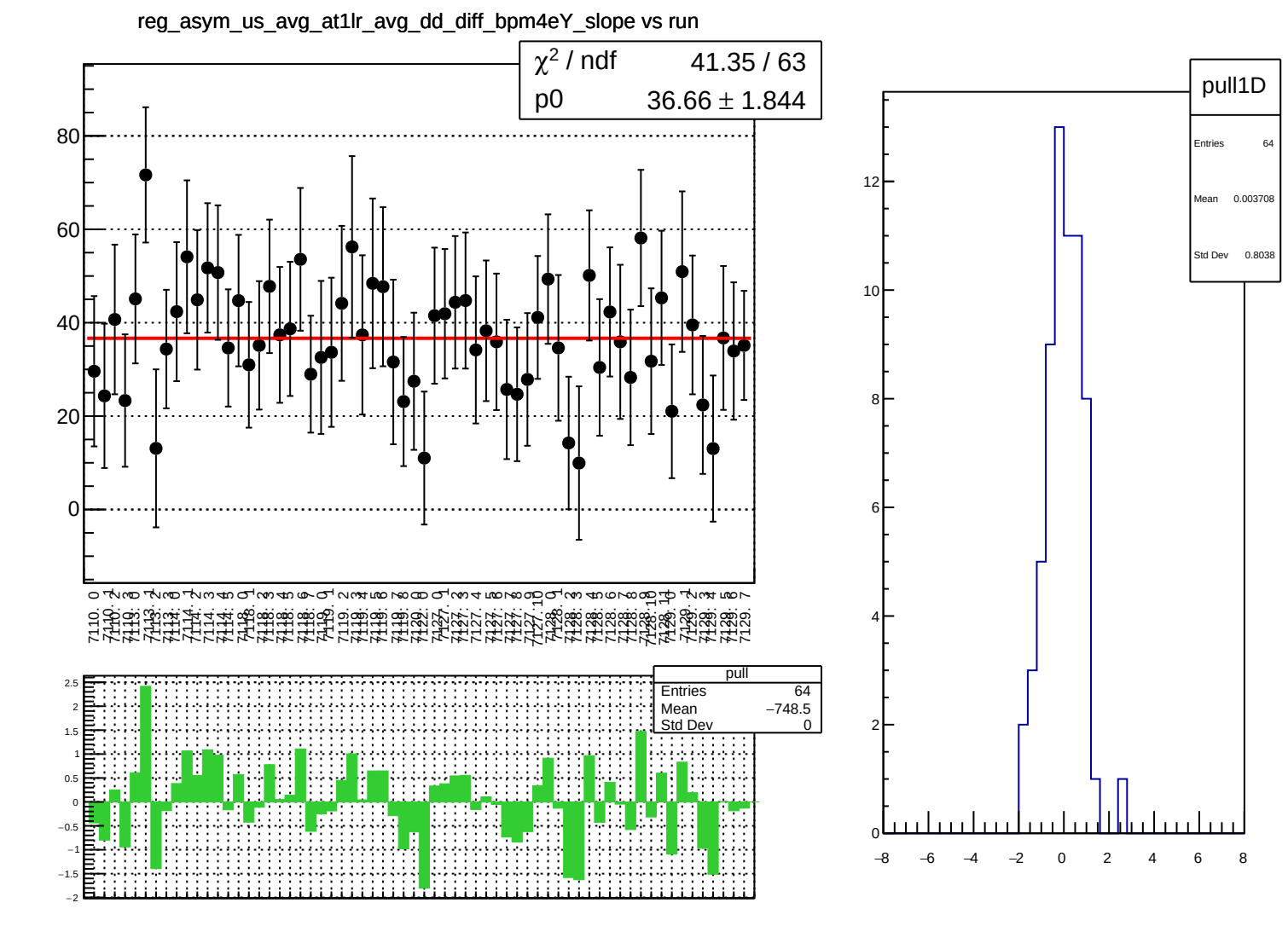

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 188.5 / 63
p0 −57.6 ± 0.1314
pull
Entries 64
Mean −289.3
Std Dev 0
pull1D
Entries 64
Mean −0.06805
Std Dev 1.715

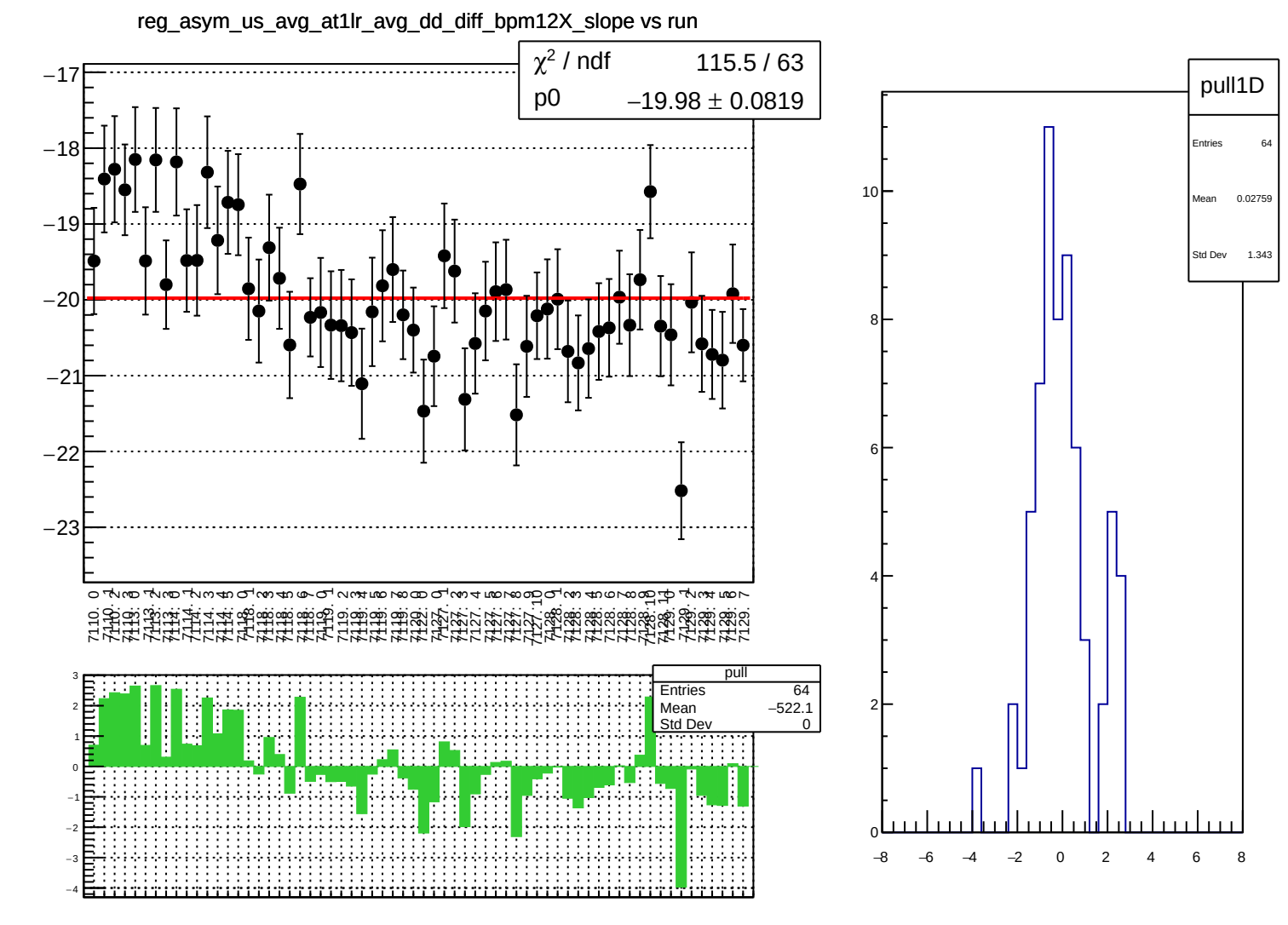

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 56.2 / 63
p0 −27.23 ± 2.186
pull
Entries 64
Mean 48.42
Std Dev 27.48

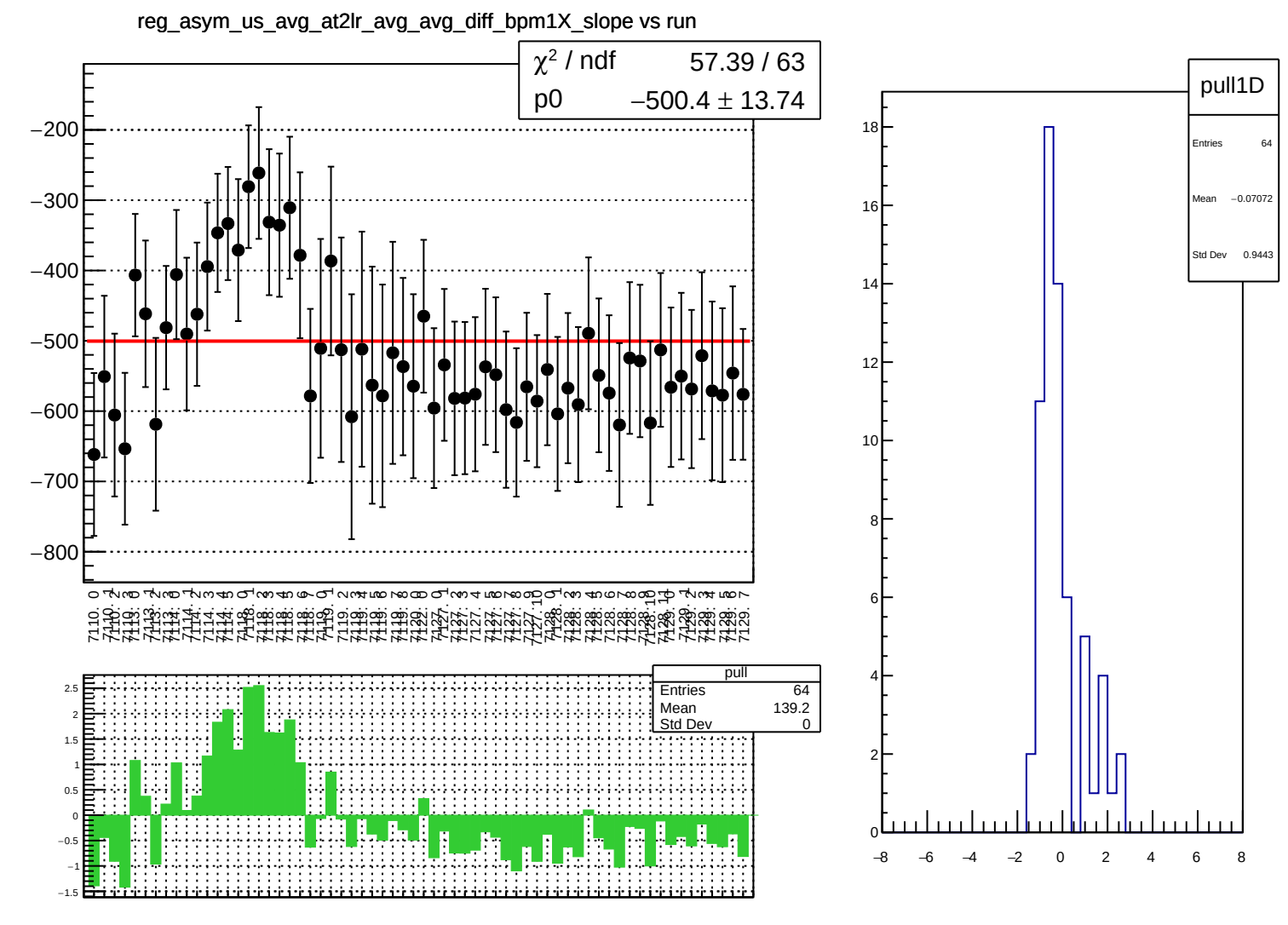

pull1D
Entries 64
Mean −0.0349
Std Dev 0.9364

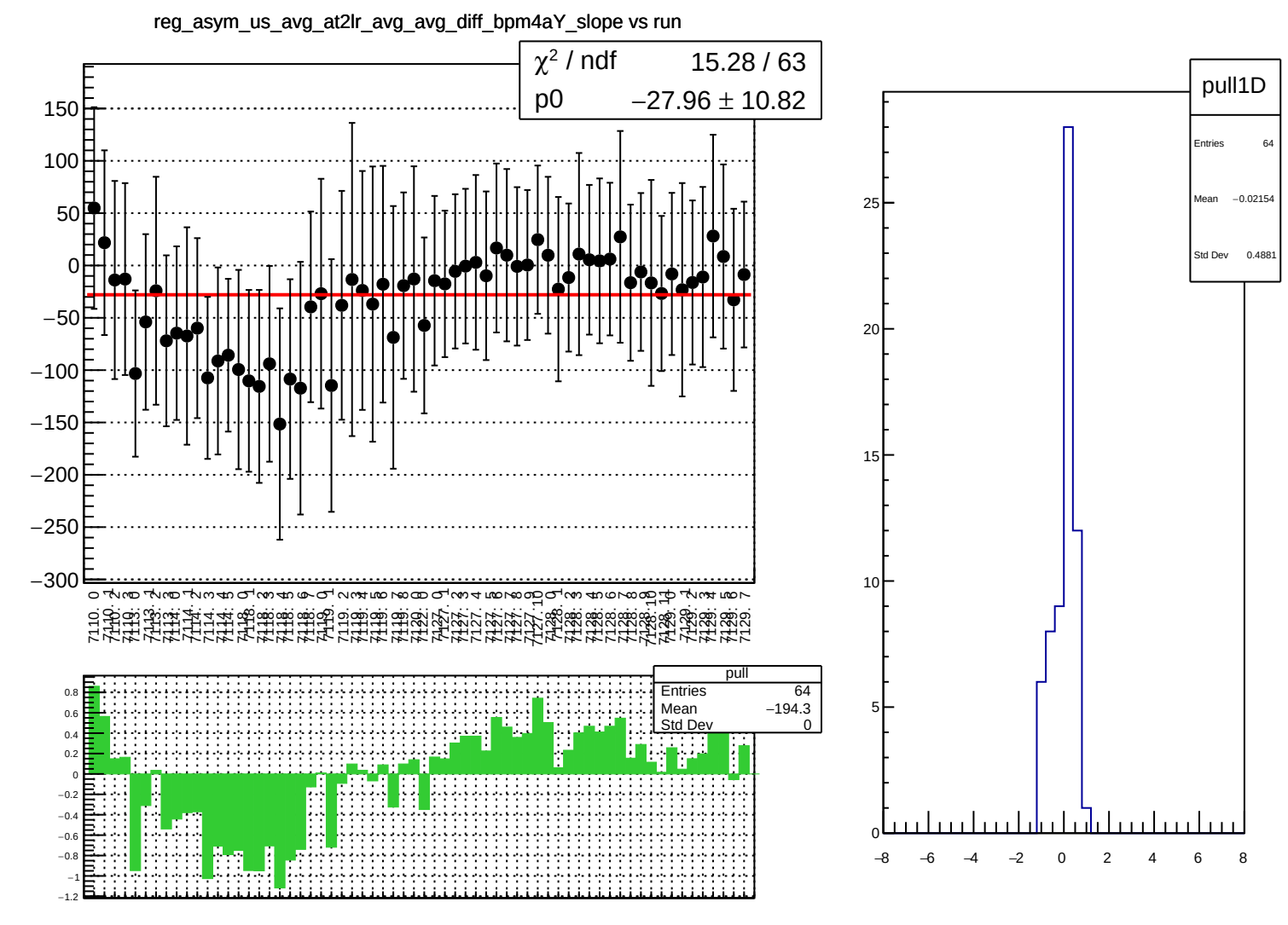

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.7 / 63
p0 −9.962 ± 1.75
pull
Entries 64
Mean −970.5
Std Dev 0
pull1D
Entries 64
Mean −0.003572
Std Dev 0.7975

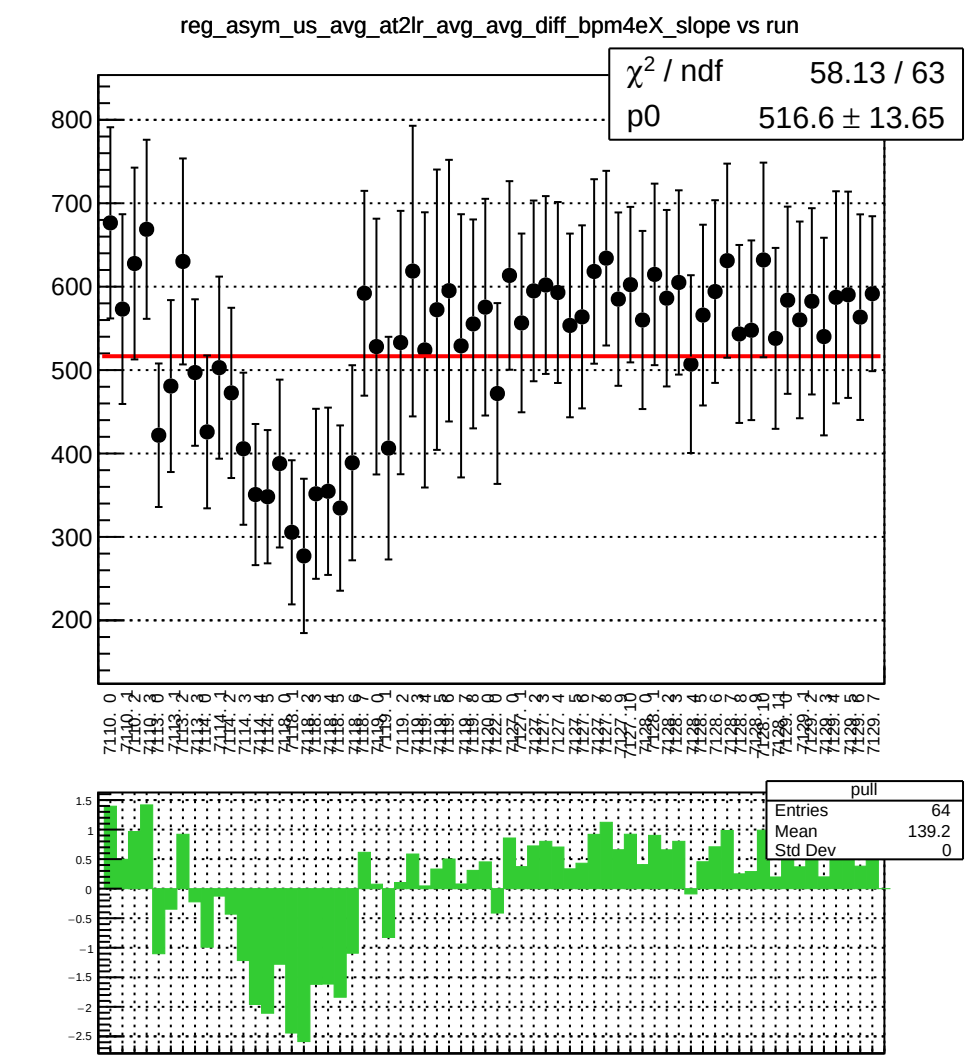

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.85 / 63
p0 37.38 ± 2.172
pull
Entries 64
Mean 47.34
Std Dev 27.27
pull1D
Entries 64
Mean 0.03555
Std Dev 0.9418

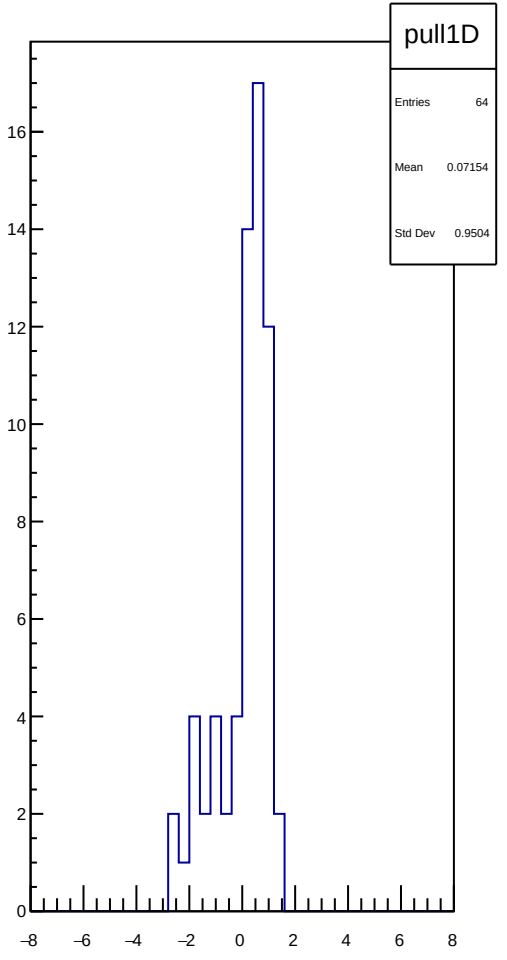

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.35 / 63
p0 36.66 ± 1.844
pull
Entries 64
Mean −748.5
Std Dev 0
pull1D
Entries 64
Mean 0.003708
Std Dev 0.8038

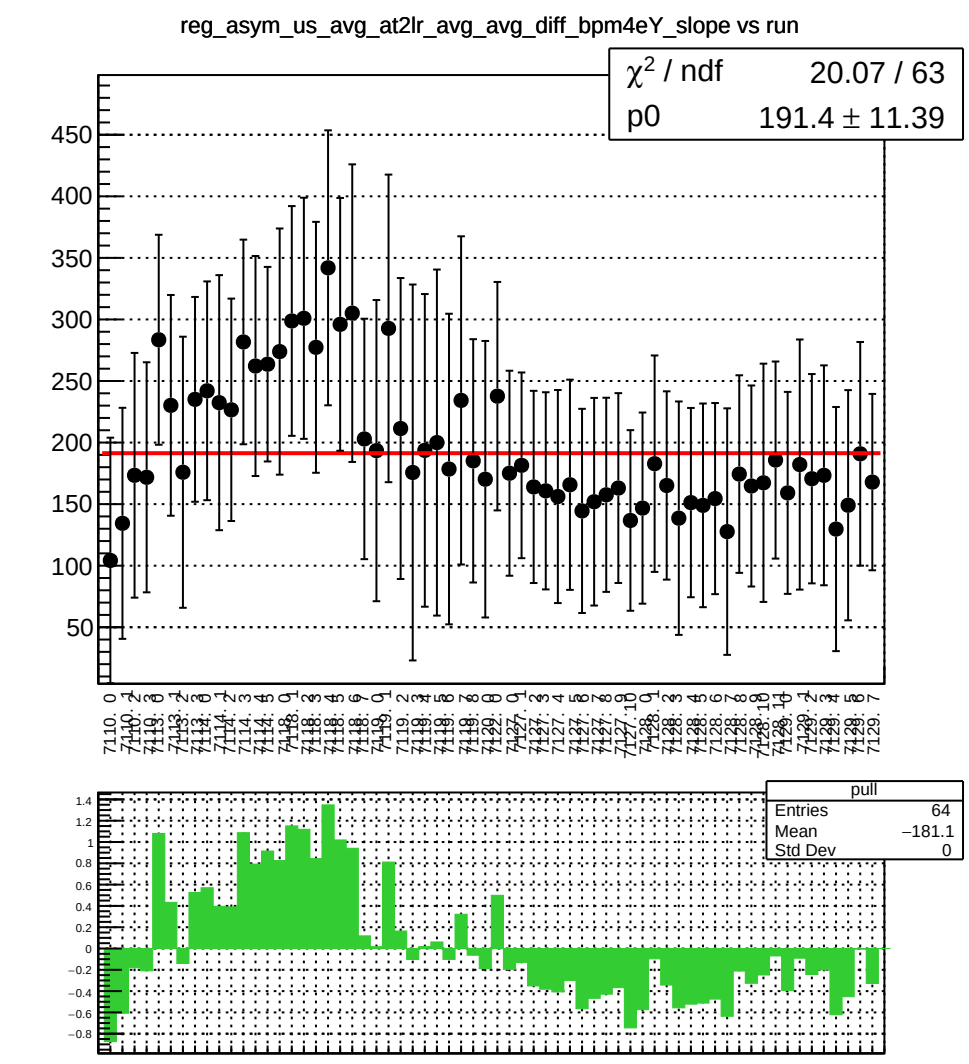

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 115.5 / 63
p0 −19.98 ± 0.0819
pull
Entries 64
Mean −522.1
Std Dev 0
pull1D
Entries 64
Mean 0.02759
Std Dev 1.343

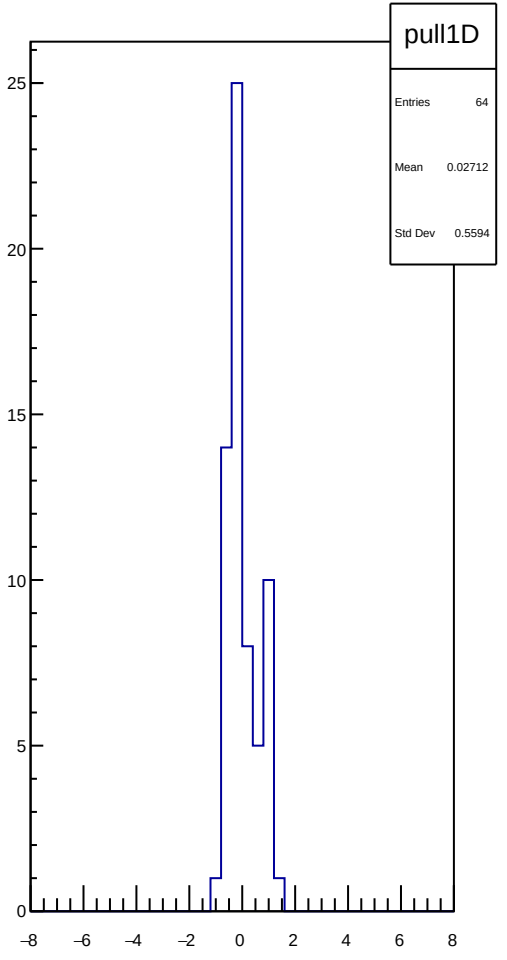

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 57.39 / 63
p0 −500.4 ± 13.74
pull
Entries 64
Mean 139.2
Std Dev 0
pull1D
Entries 64
Mean −0.07072
Std Dev 0.9443

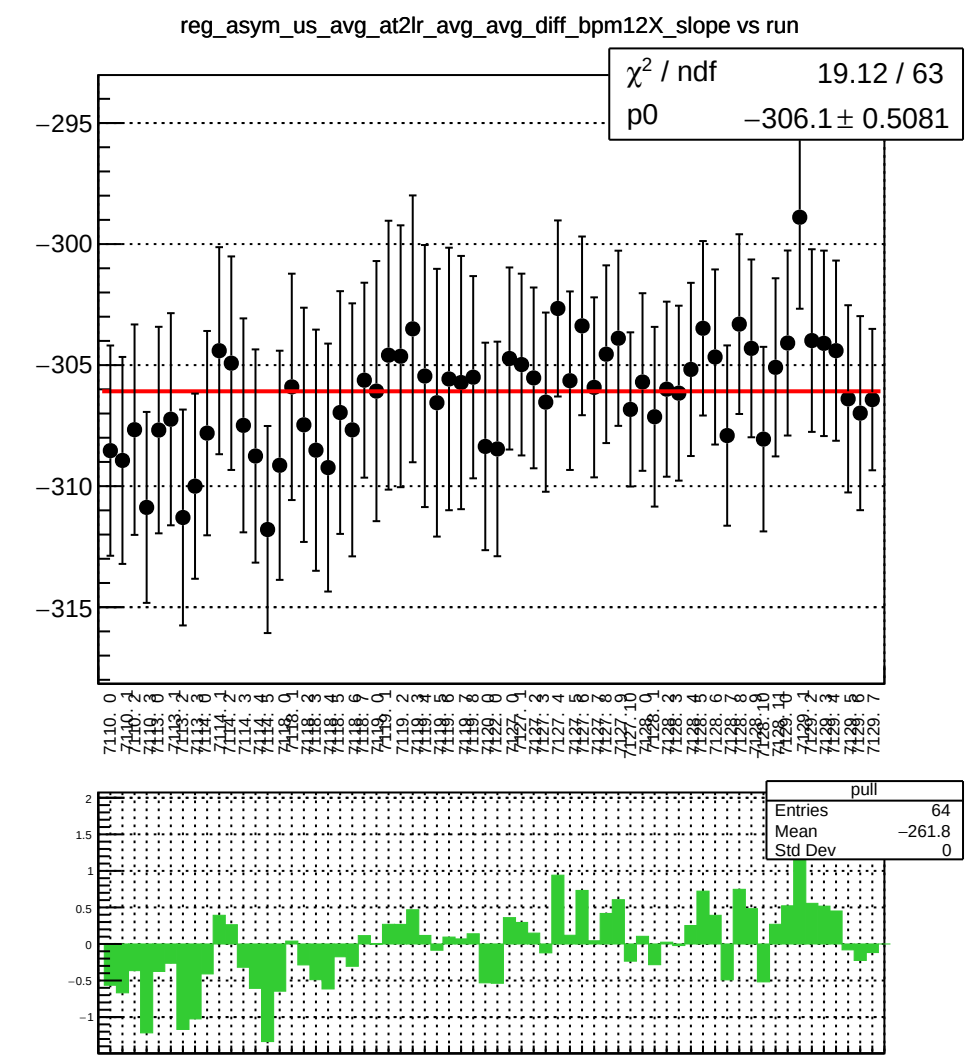

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.28 / 63
p0 −27.96 ± 10.82
pull
Entries 64
Mean −194.3
Std Dev 0
pull1D
Entries 64
Mean −0.02154
Std Dev 0.4881

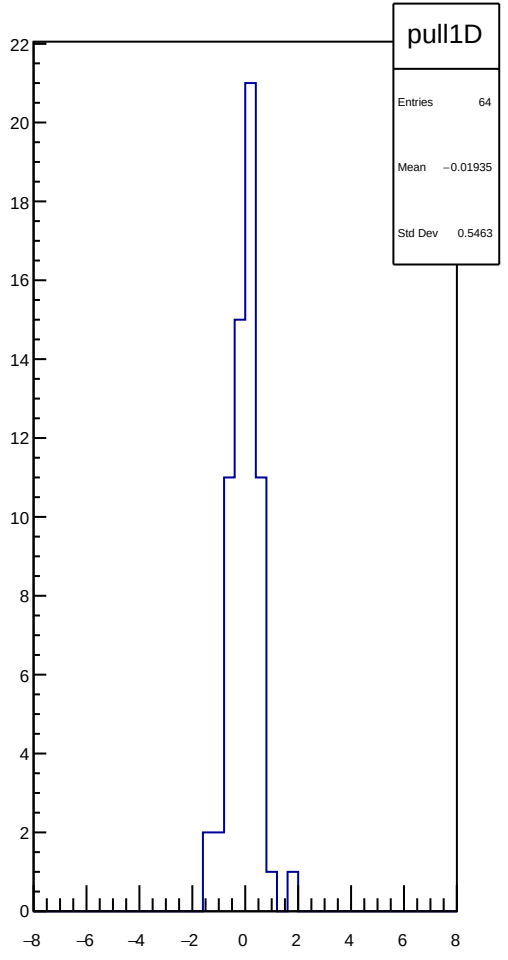

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.13 / 63
p0 516.6 ± 13.65
pull
Entries 64
Mean 139.2
Std Dev 0

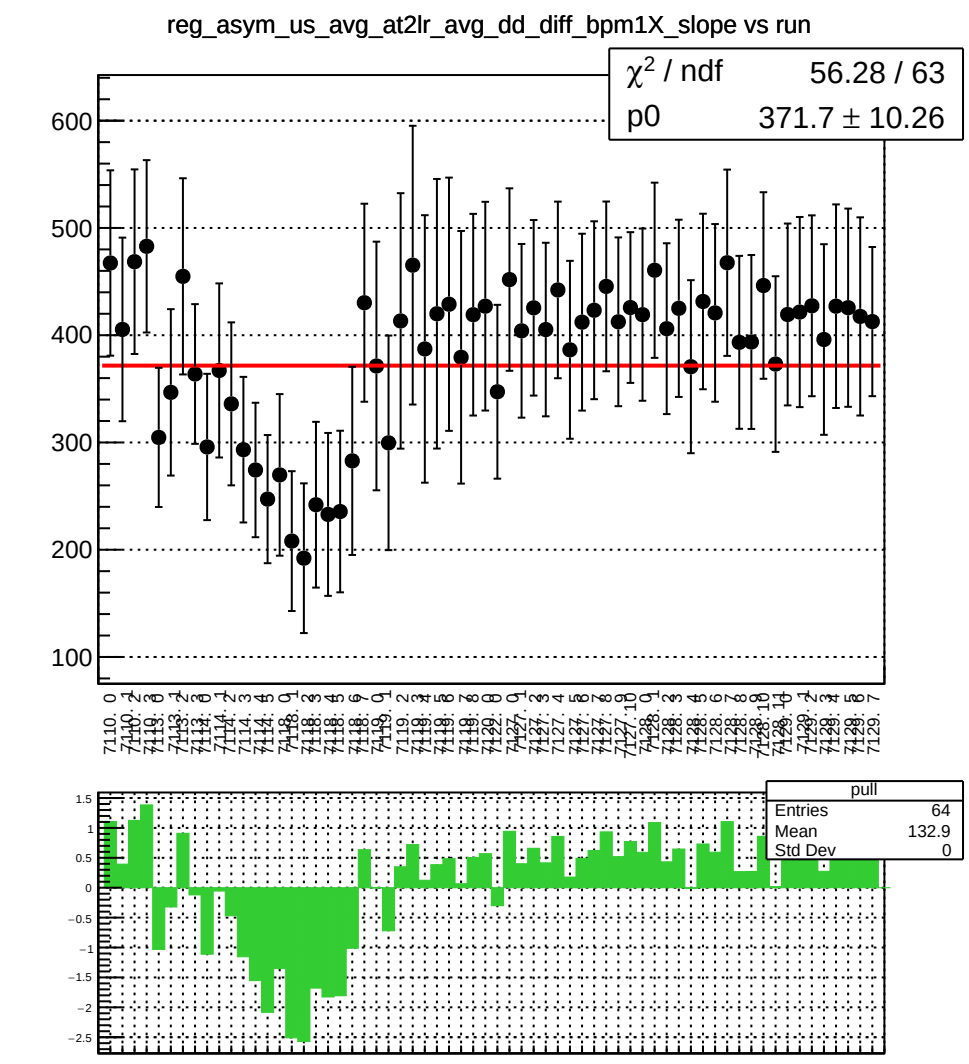

pull1D
Entries 64
Mean 0.07154
Std Dev 0.9504

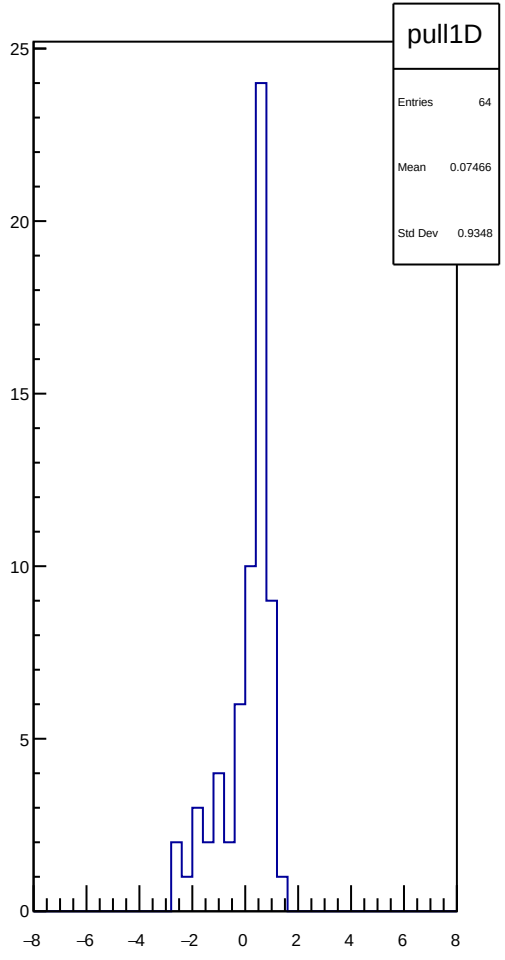

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.07 / 63
p0 191.4 ± 11.39
pull
Entries 64
Mean −181.1
Std Dev 0

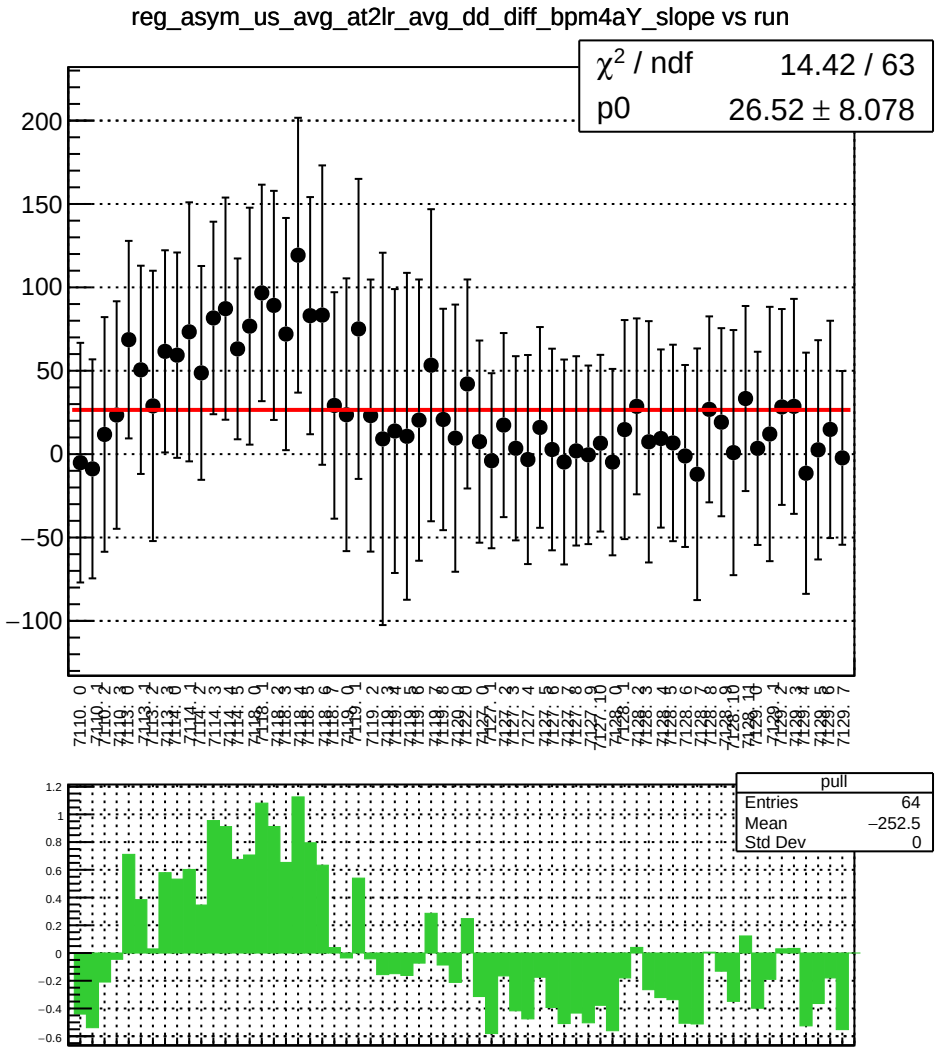

pull1D
Entries 64
Mean 0.02712
Std Dev 0.5594

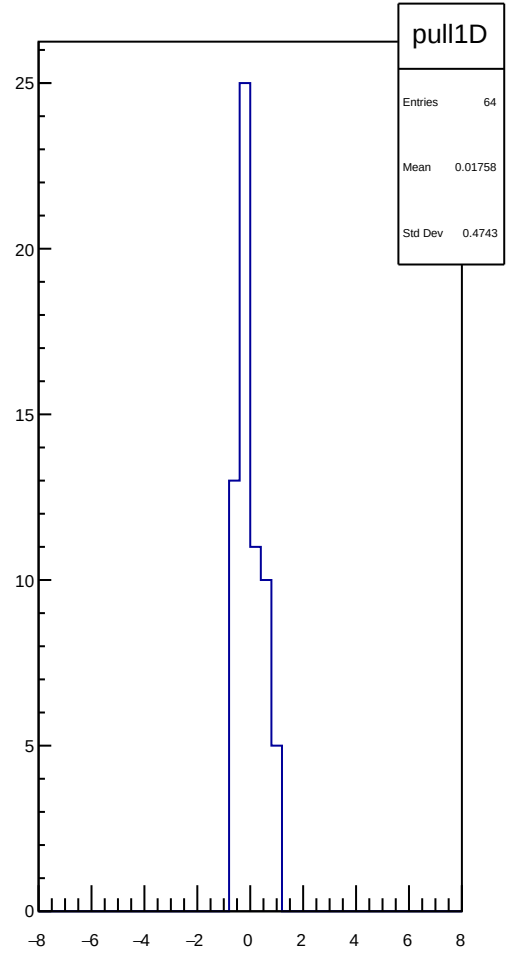

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.12 / 63
p0 −306.1 ± 0.5081
−295
−300
−305
−310
−315
pull
Entries 64
Mean −261.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

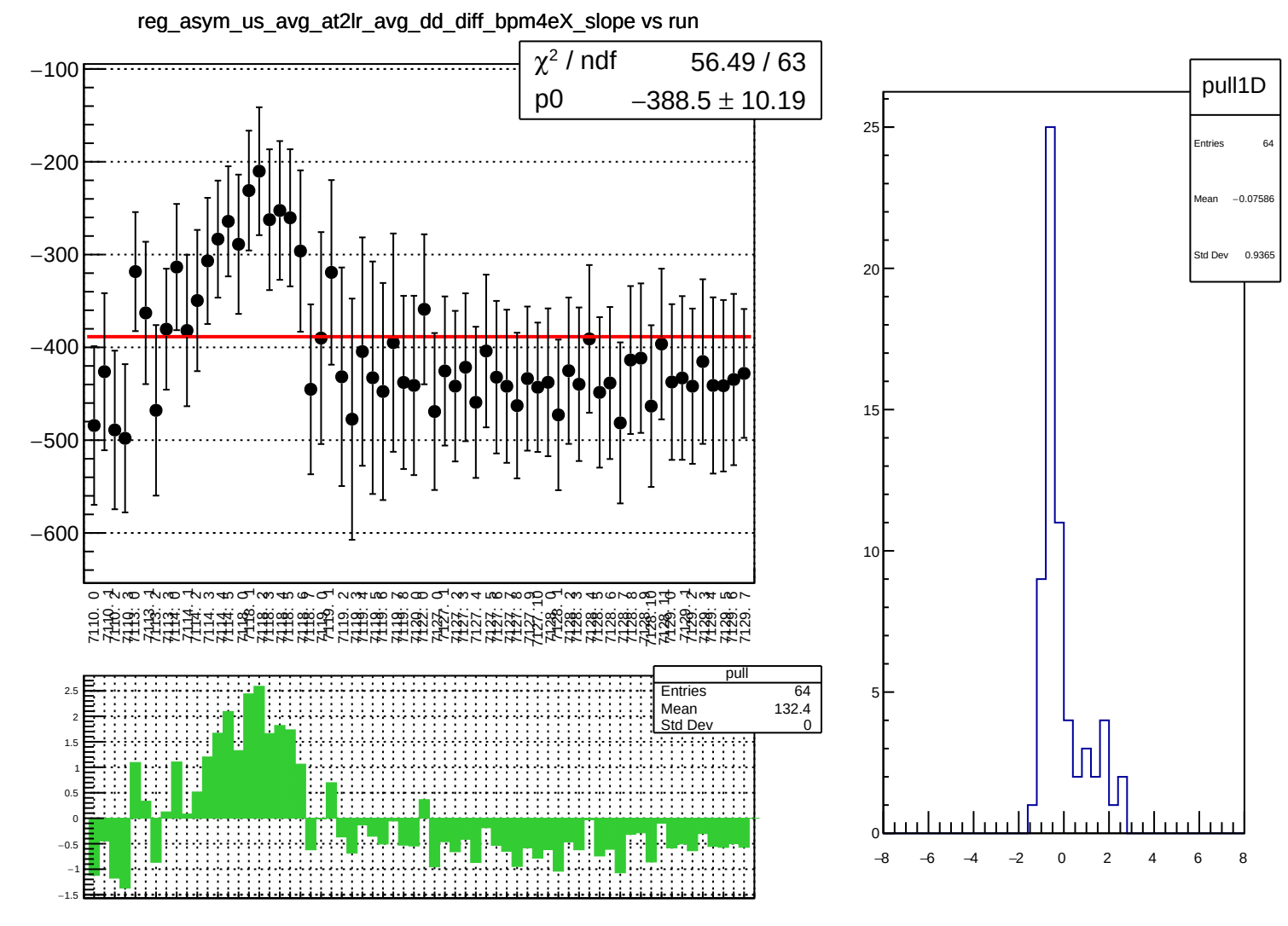

pull1D
Entries 64
Mean −0.01935
Std Dev 0.5463
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

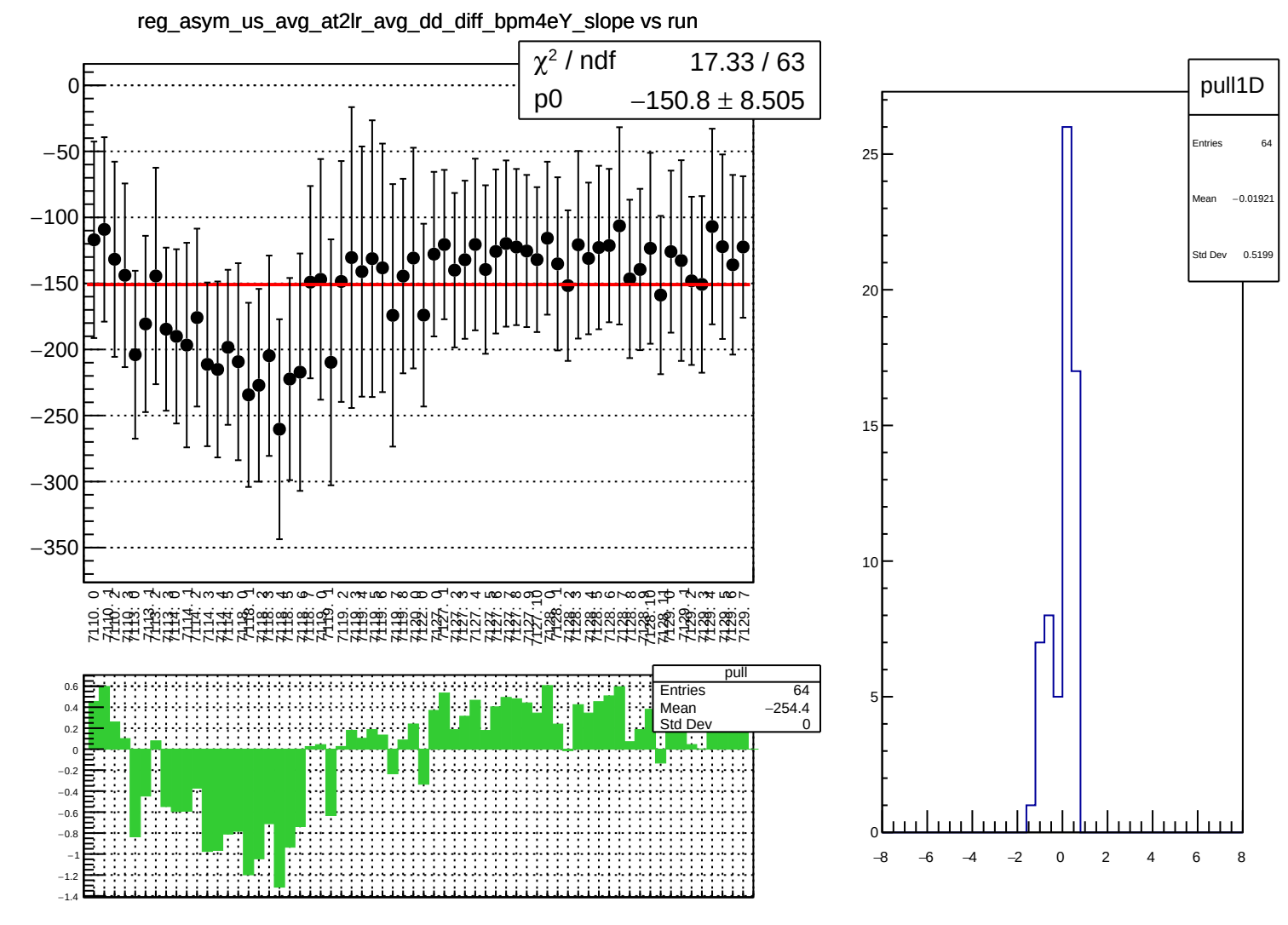

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 56.28 / 63
p0 371.7 ± 10.26
pull
Entries 64
Mean 132.9
Std Dev 0

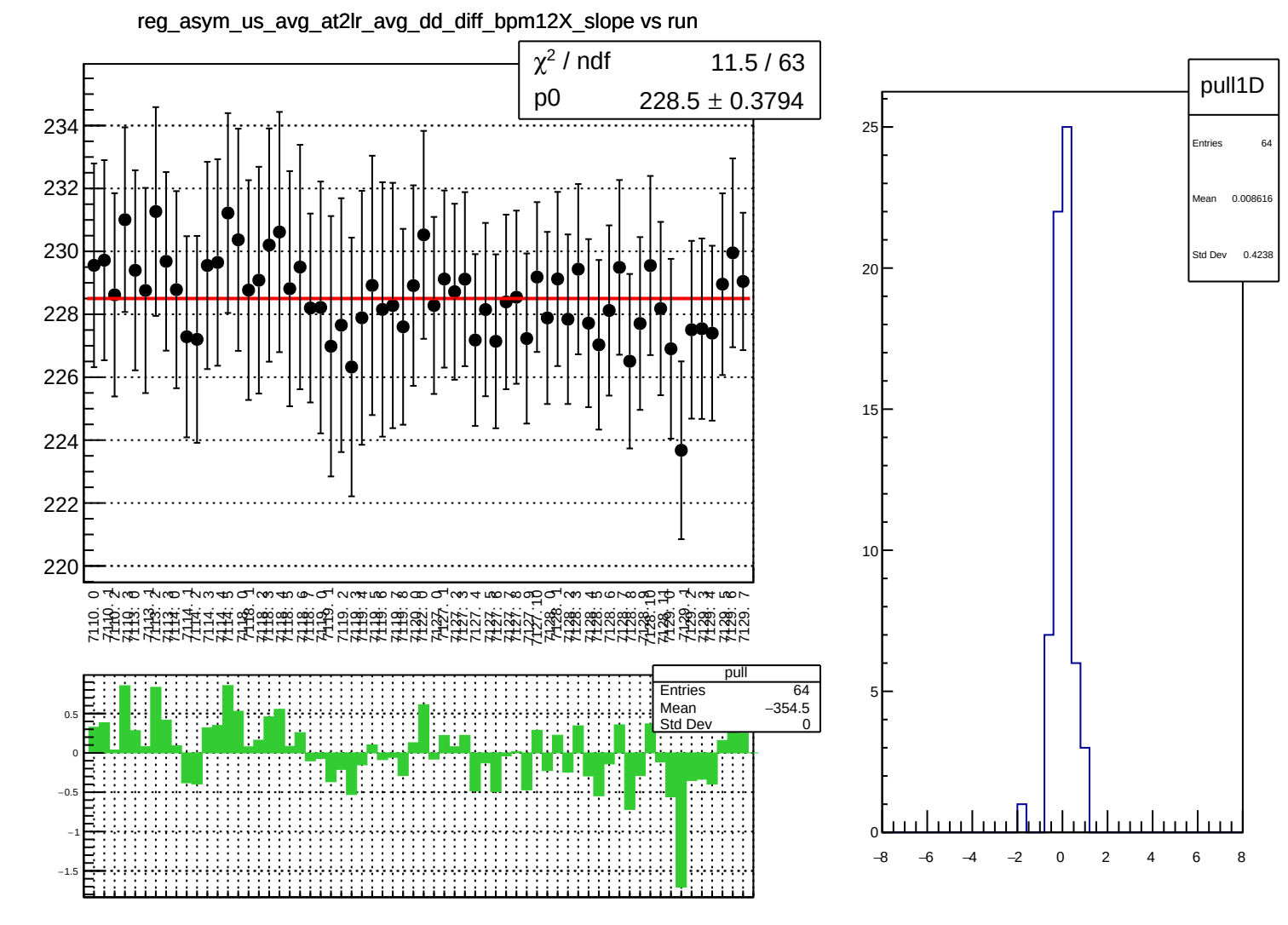

pull1D
Entries 64
Mean 0.07466
Std Dev 0.9348

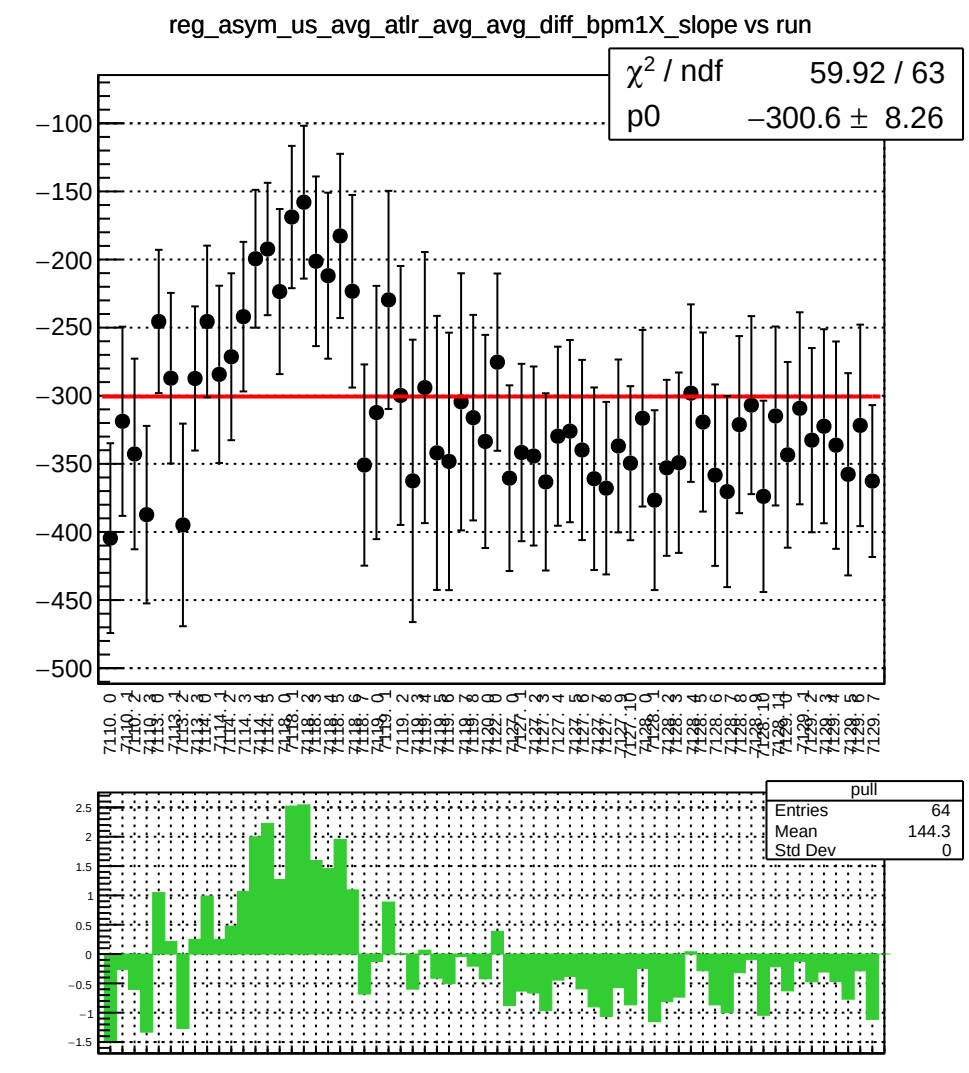

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.42 / 63
p0 26.52 ± 8.078
pull
Entries 64
Mean −252.5
Std Dev 0

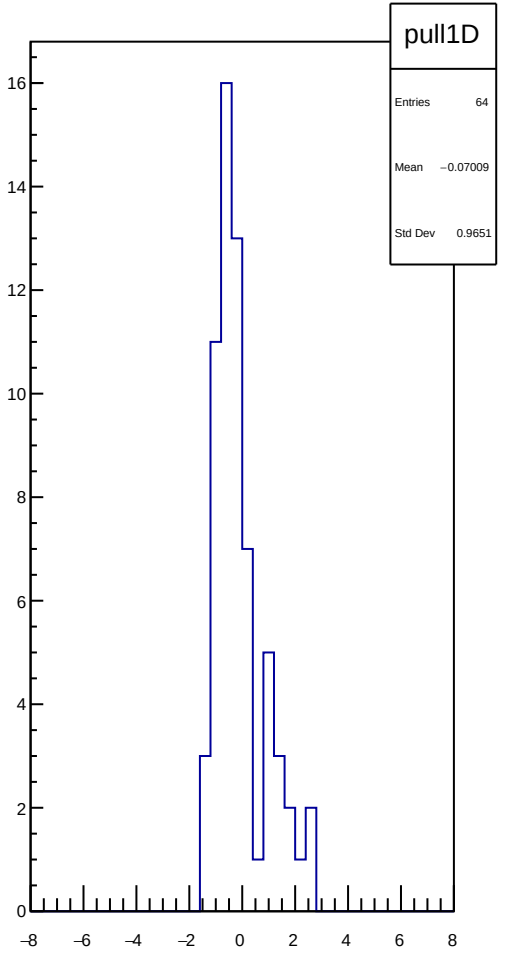

pull1D
Entries 64
Mean 0.01758
Std Dev 0.4743

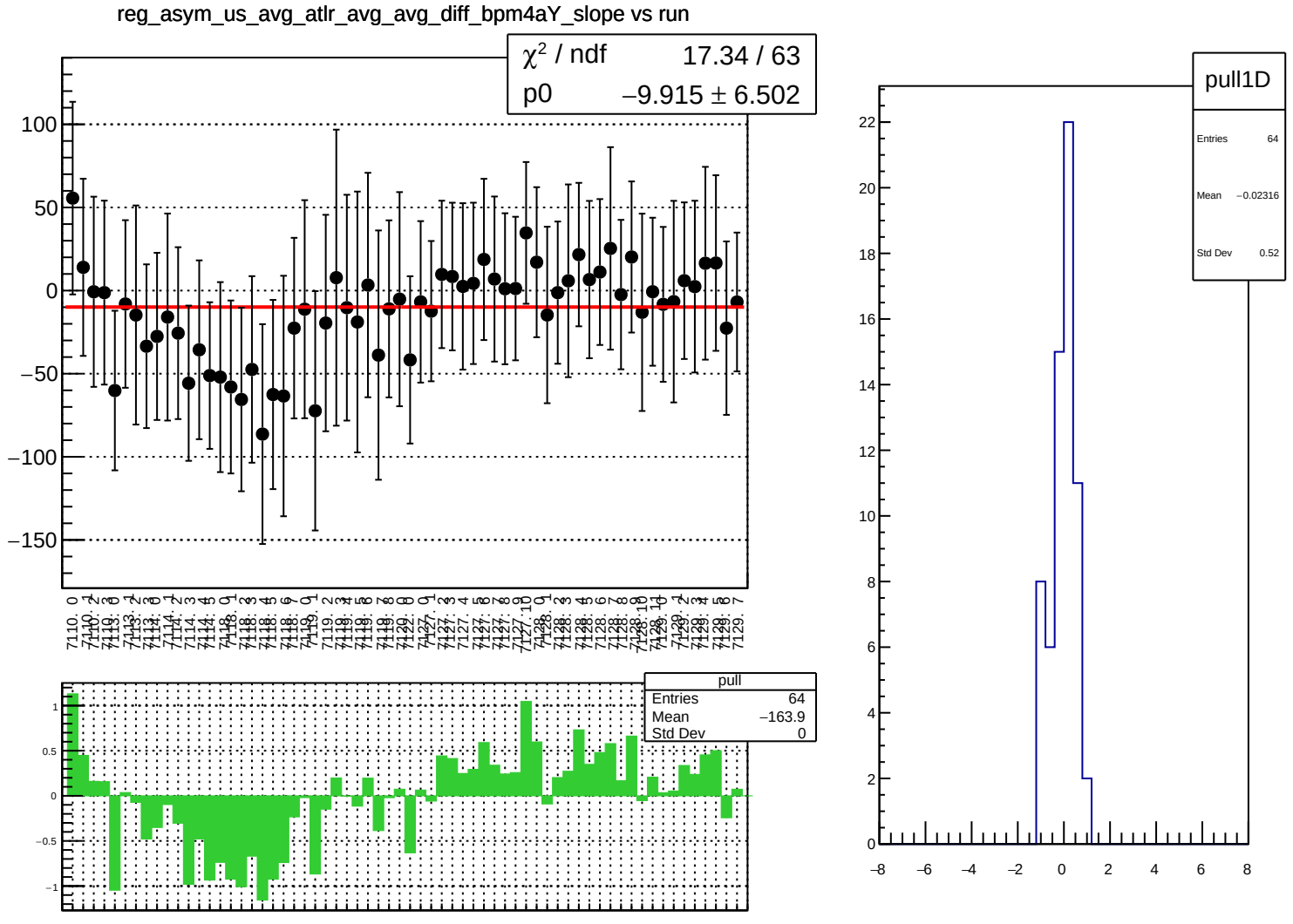

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.49 / 63
p0 −388.5 ± 10.19
pull
Entries 64
Mean 132.4
Std Dev 0
pull1D
Entries 64
Mean −0.07586
Std Dev 0.9365

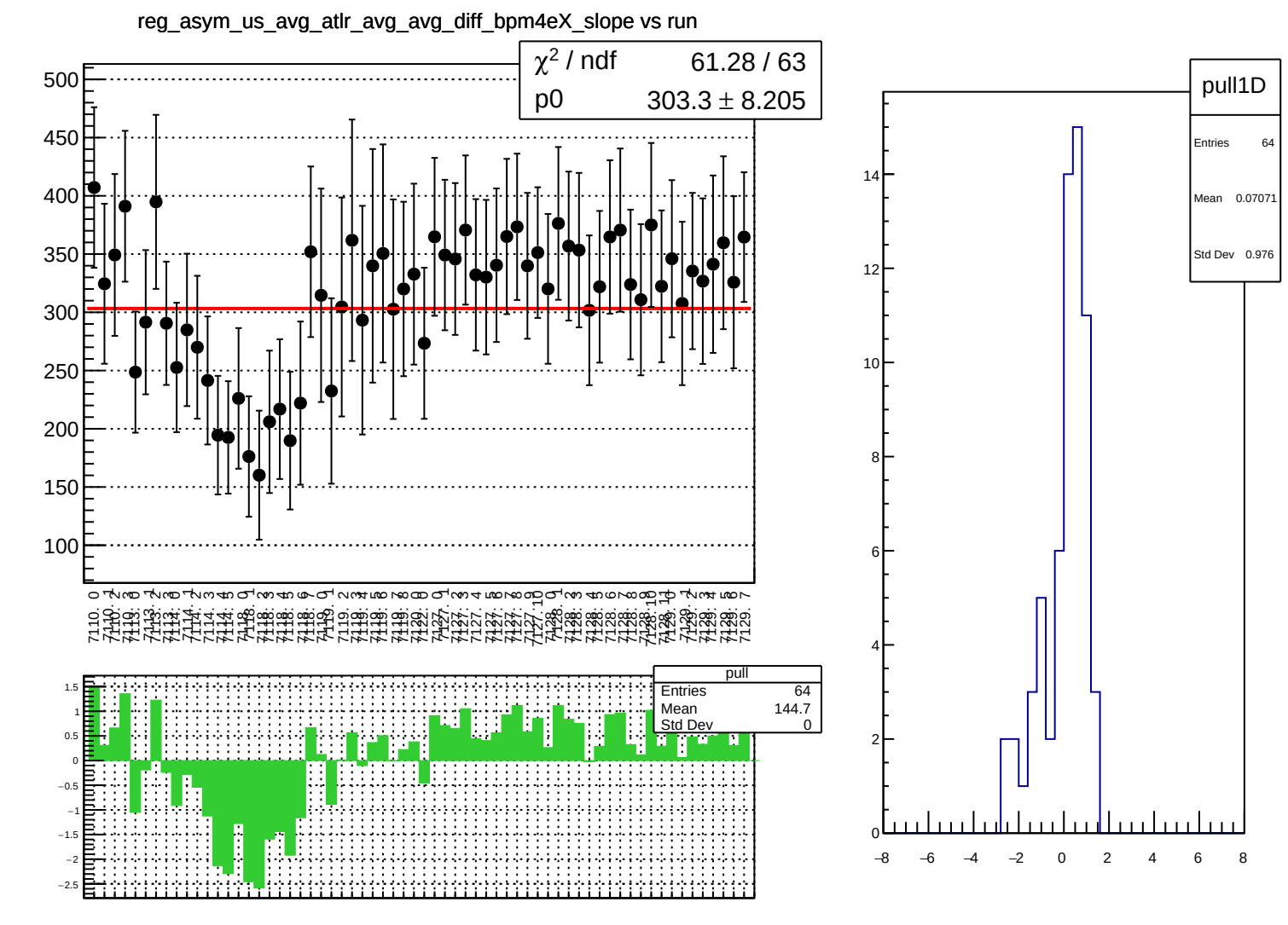

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.33 / 63
p0 −150.8 ± 8.505
pull
Entries 64
Mean −254.4
Std Dev 0
pull1D
Entries 64
Mean −0.01921
Std Dev 0.5199

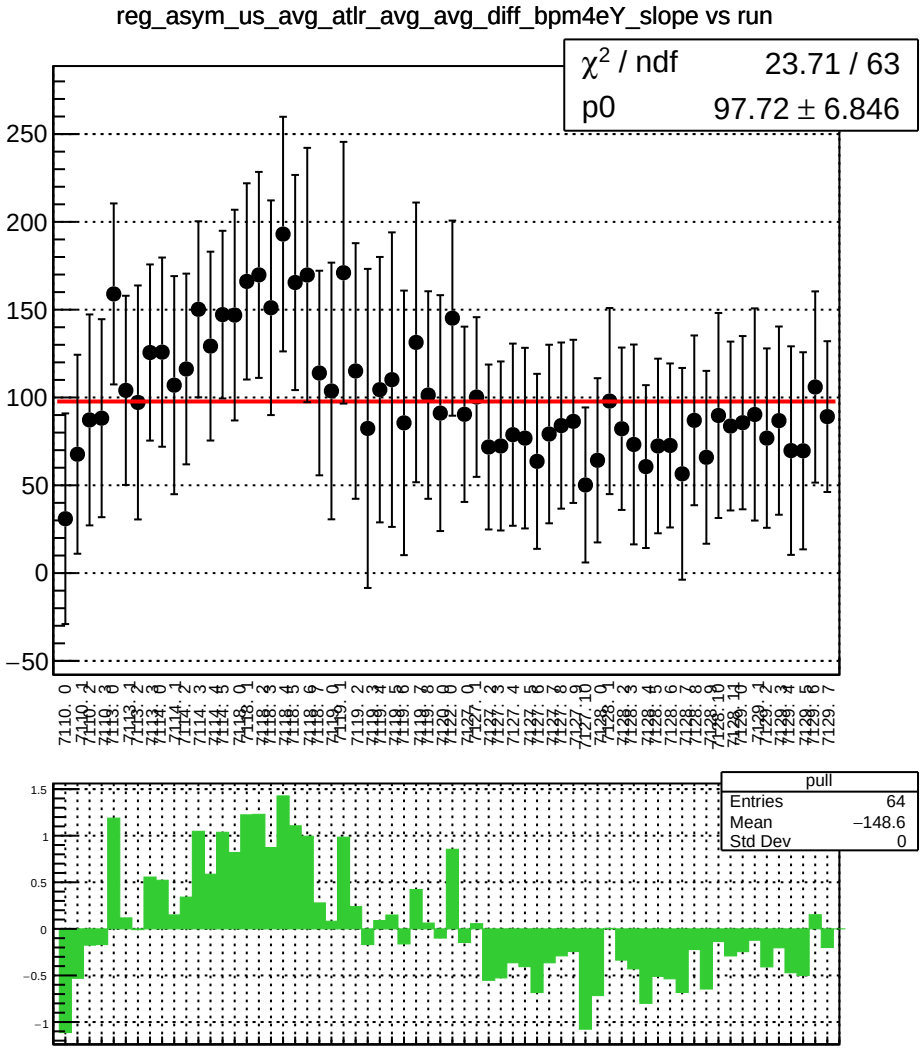

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 11.5 / 63
p0 228.5 ± 0.3794
234
232
230
228
226
224
222
220
pull
Entries 64
Mean −354.5
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 64
Mean 0.008616
Std Dev 0.4238
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

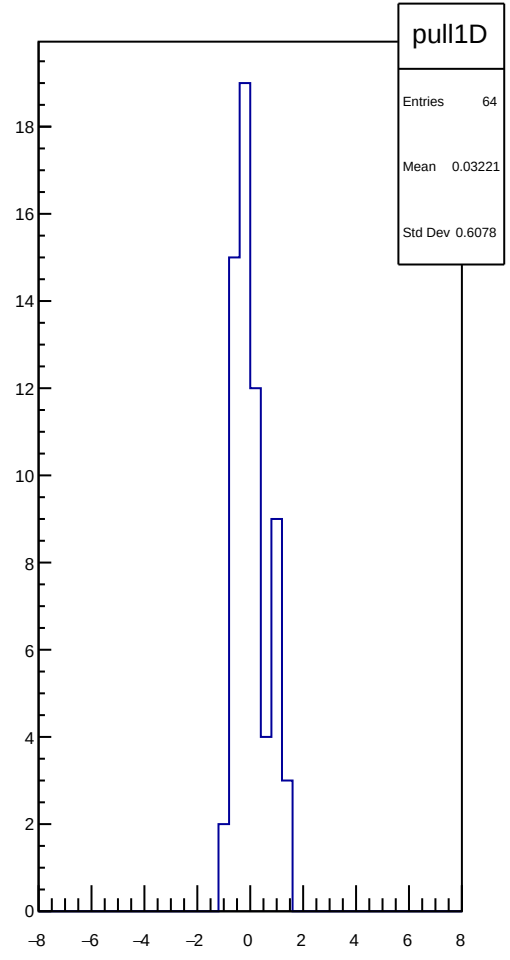

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 59.92 / 63
p0 −300.6 ± 8.26
pull
Entries 64
Mean 144.3
Std Dev 0

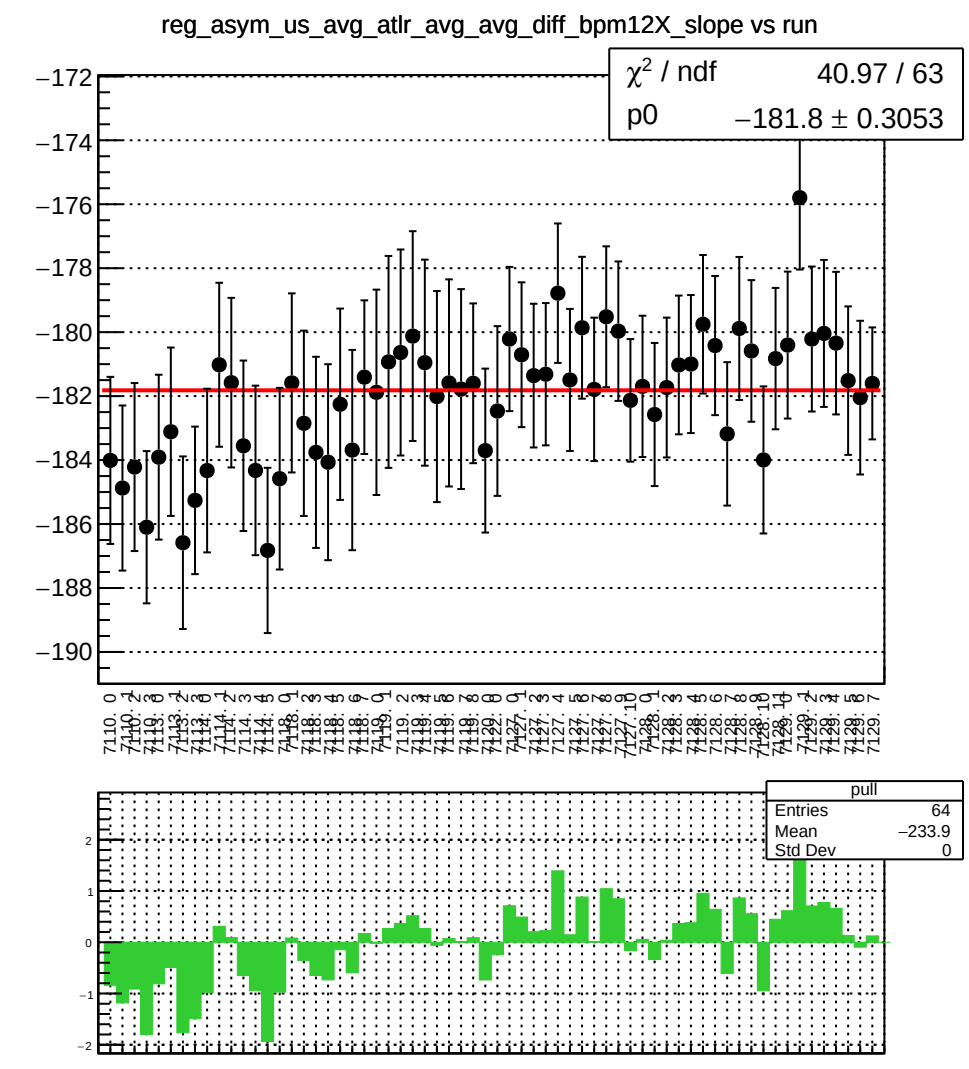

pull1D
Entries 64
Mean −0.07009
Std Dev 0.9651

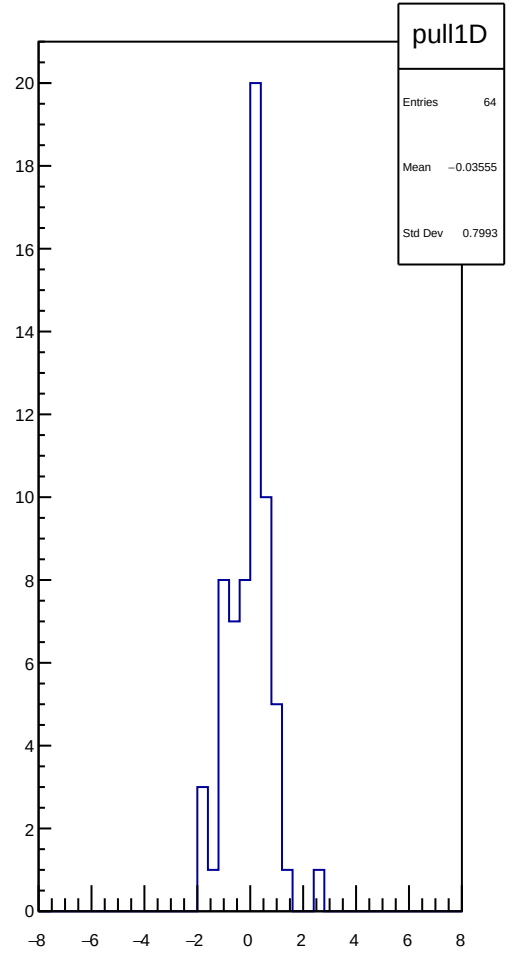

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.34 / 63
p0 −9.915 ± 6.502
pull
Entries 64
Mean −163.9
Std Dev 0
pull1D
Entries 64
Mean −0.02316
Std Dev 0.52

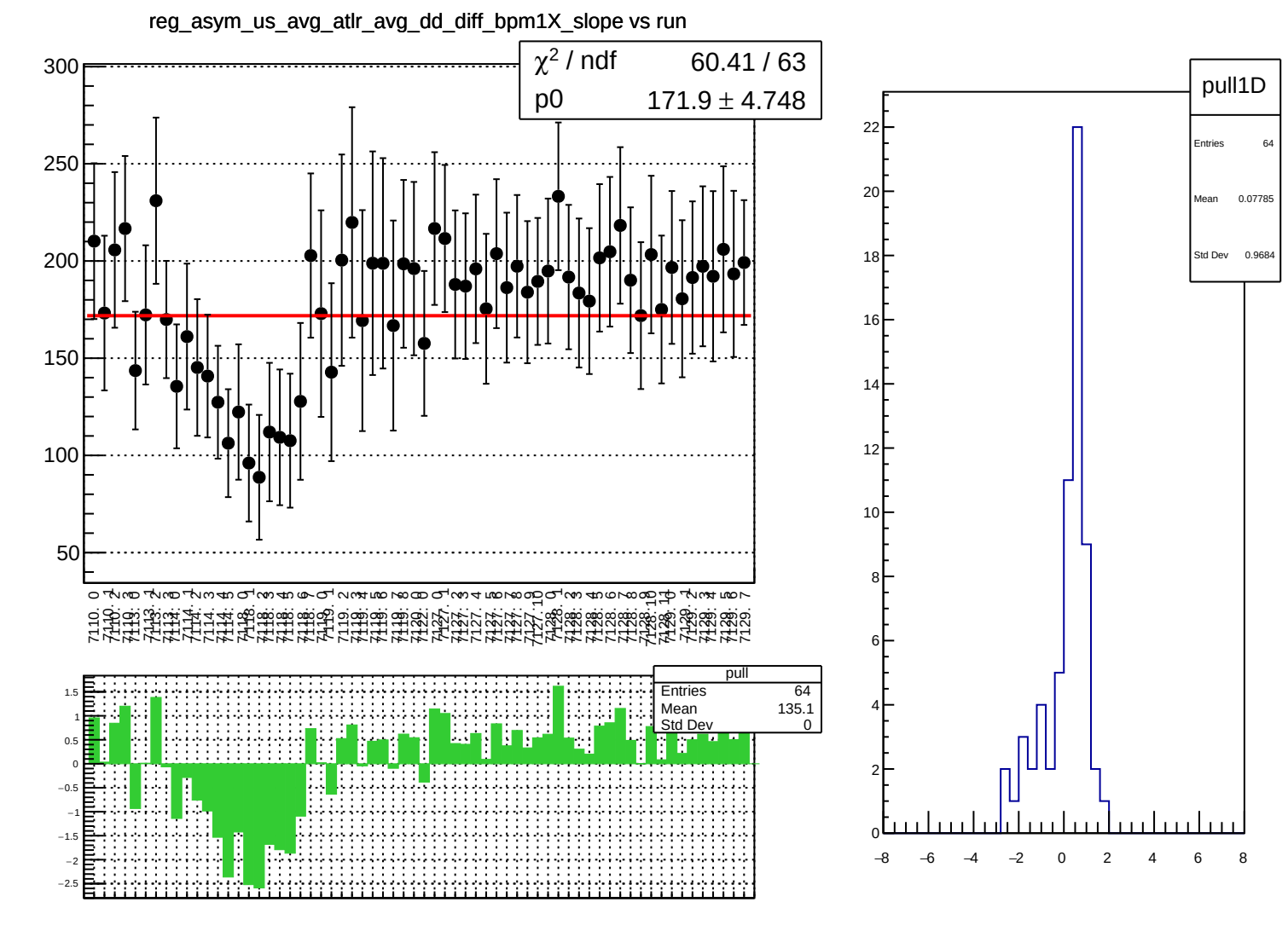

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.28 / 63
p0 303.3 ± 8.205
pull
Entries 64
Mean 144.7
Std Dev 0
pull1D
Entries 64
Mean 0.07071
Std Dev 0.976

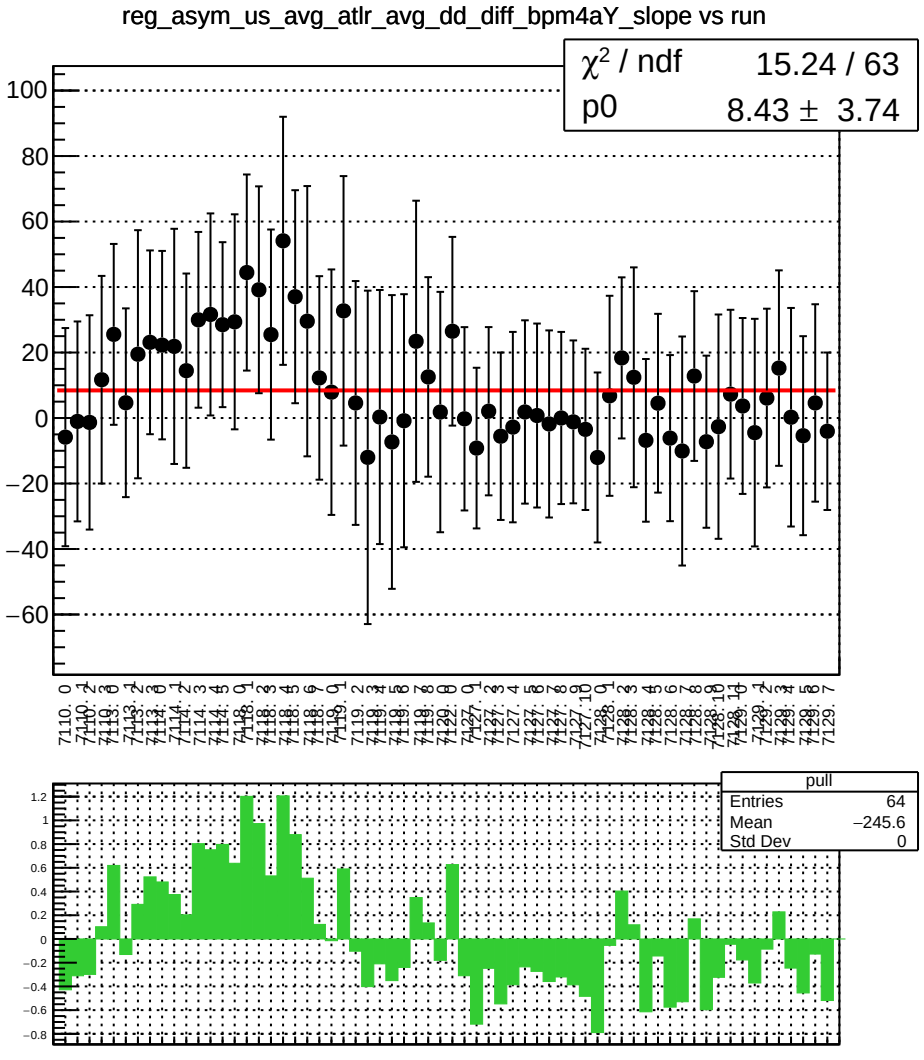

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.71 / 63
p0 97.72 ± 6.846
pull
Entries 64
Mean −148.6
Std Dev 0

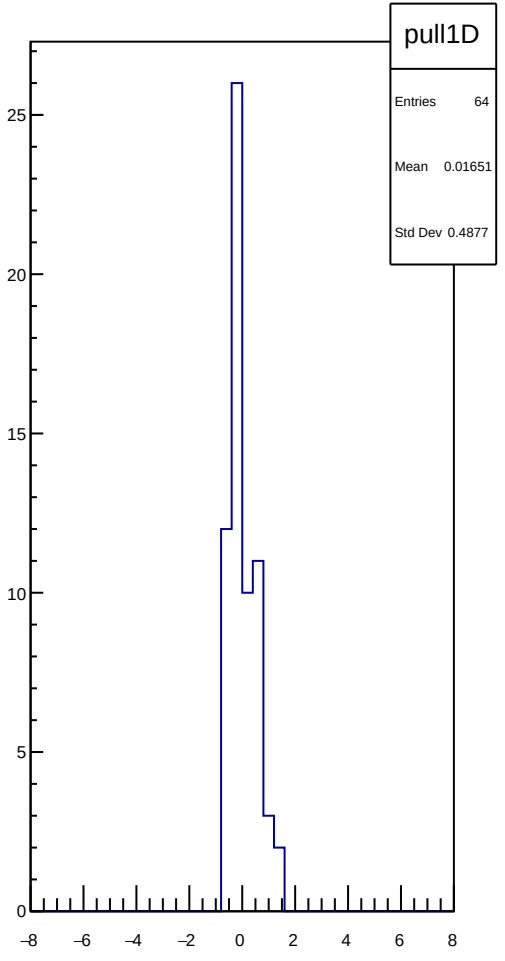

pull1D
Entries 64
Mean 0.03221
Std Dev 0.6078

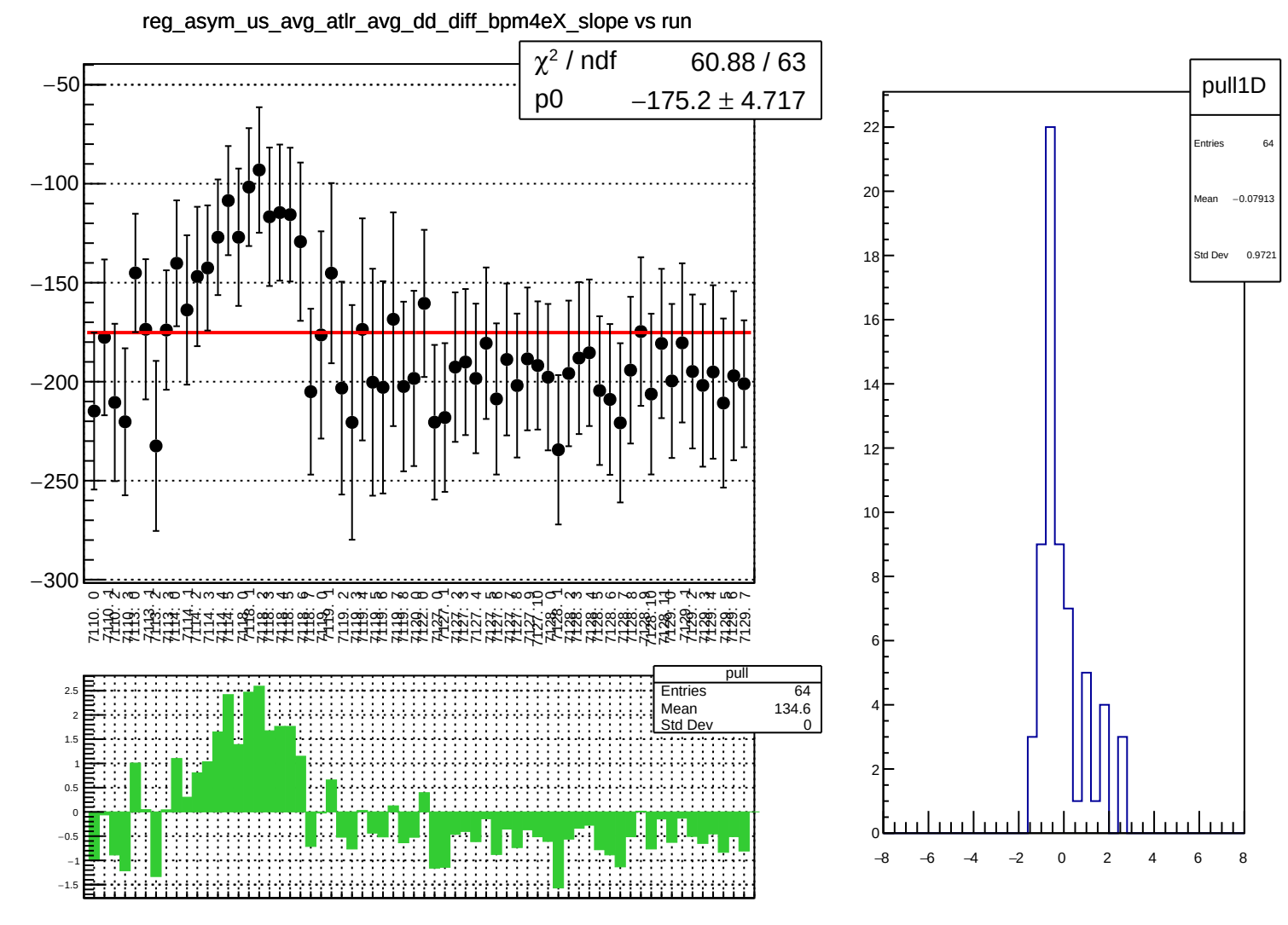

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 40.97 / 63
p0 −181.8 ± 0.3053
pull
Entries 64
Mean −233.9
Std Dev 0

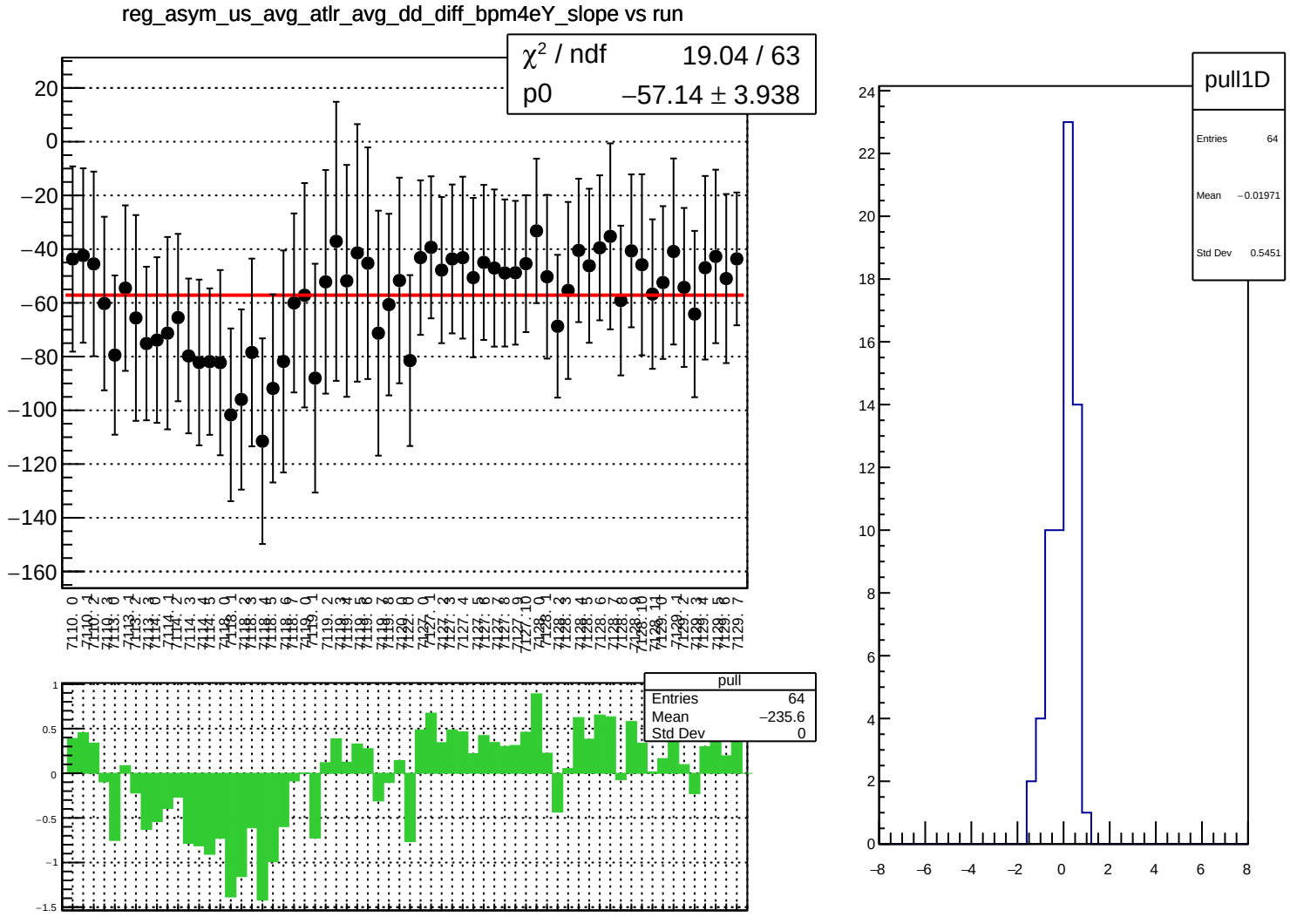

pull1D
Entries 64
Mean −0.03555
Std Dev 0.7993

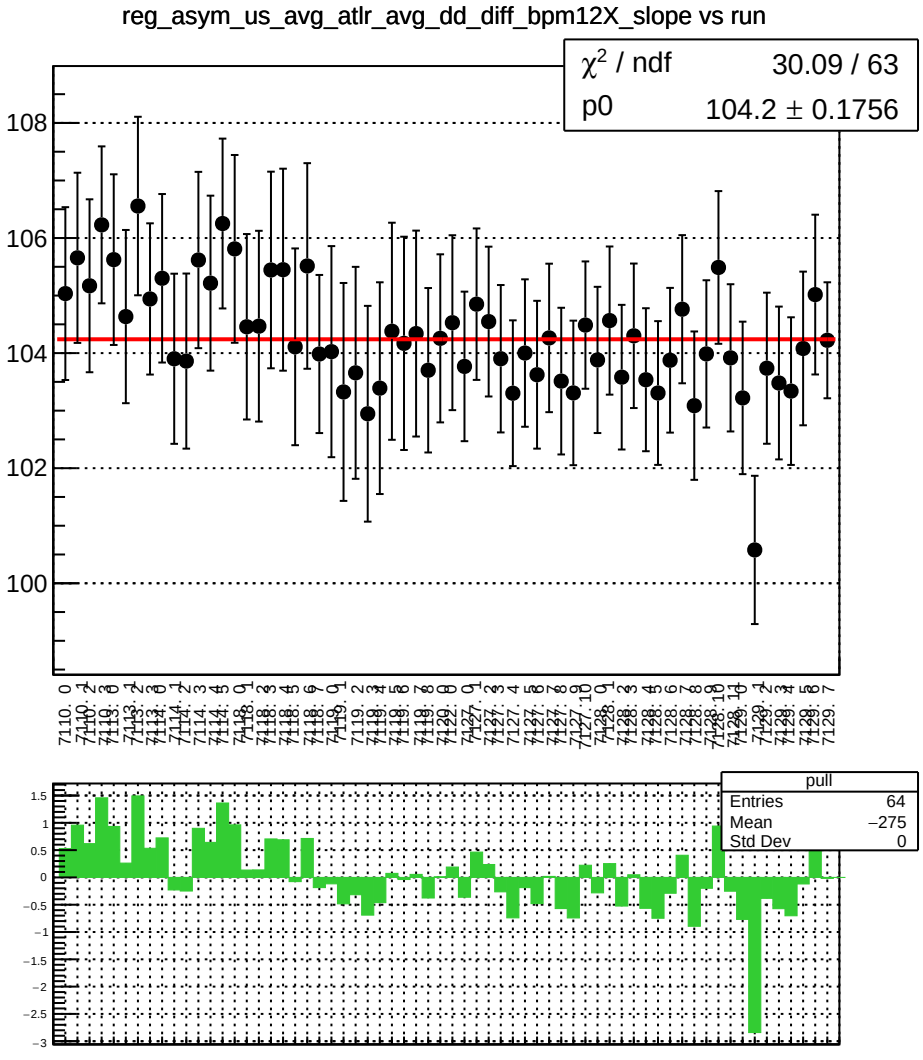

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 60.41 / 63
p0 171.9 ± 4.748
pull
Entries 64
Mean 135.1
Std Dev 0
pull1D
Entries 64
Mean 0.07785
Std Dev 0.9684

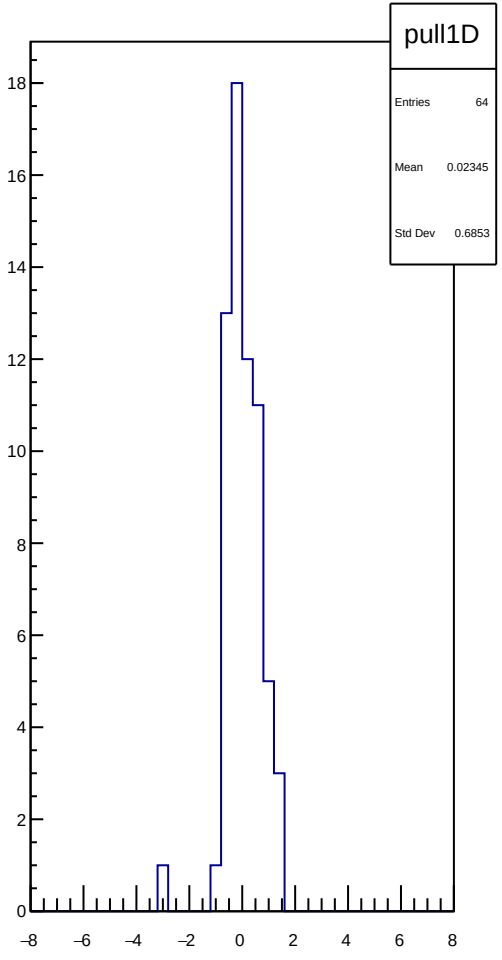

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.24 / 63
p0 8.43 ± 3.74
pull
Entries 64
Mean −245.6
Std Dev 0

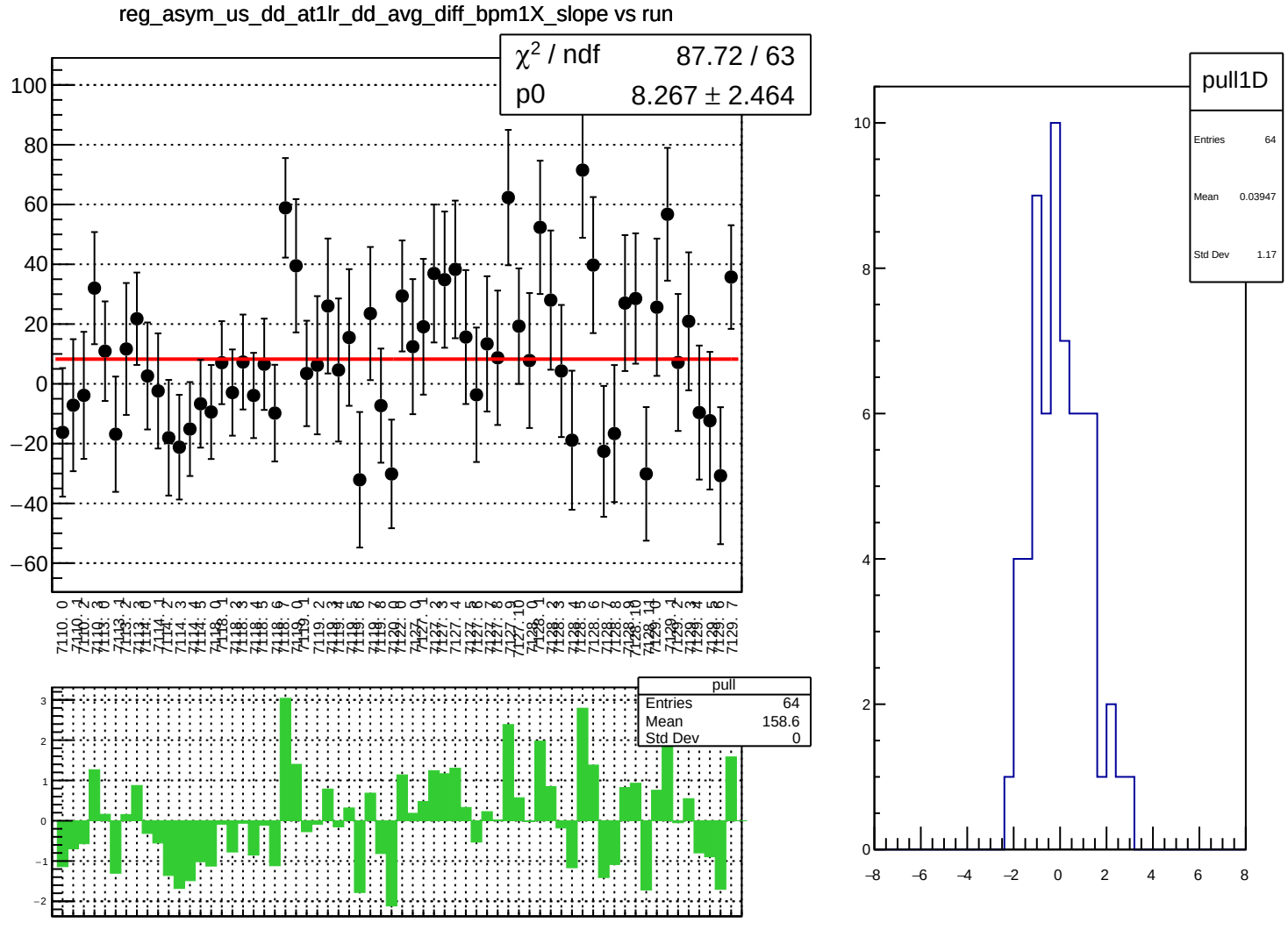

pull1D
Entries 64
Mean 0.01651
Std Dev 0.4877

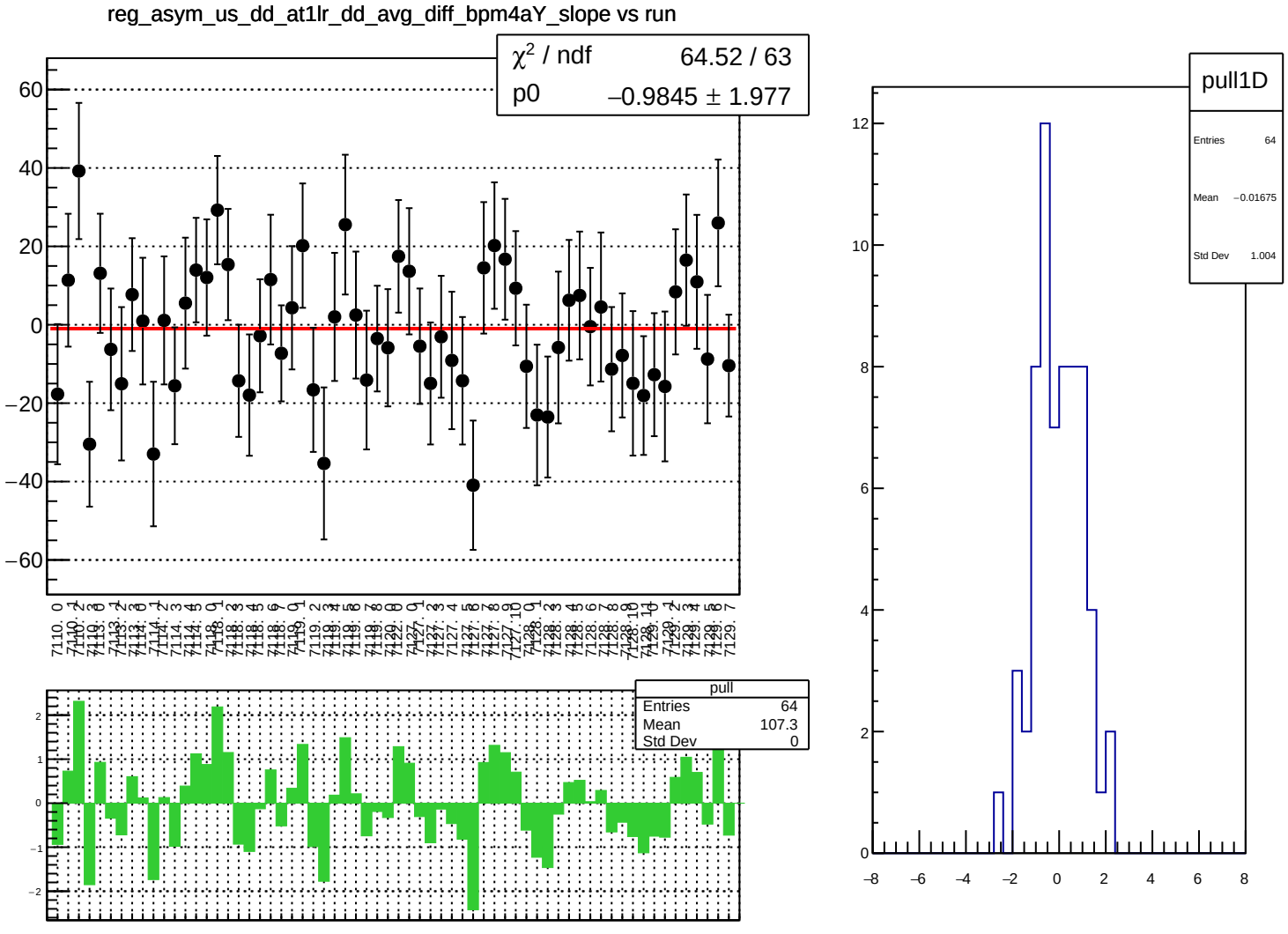

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.88 / 63
p0 −175.2 ± 4.717
pull
Entries 64
Mean 134.6
Std Dev 0
pull1D
Entries 64
Mean −0.07913
Std Dev 0.9721

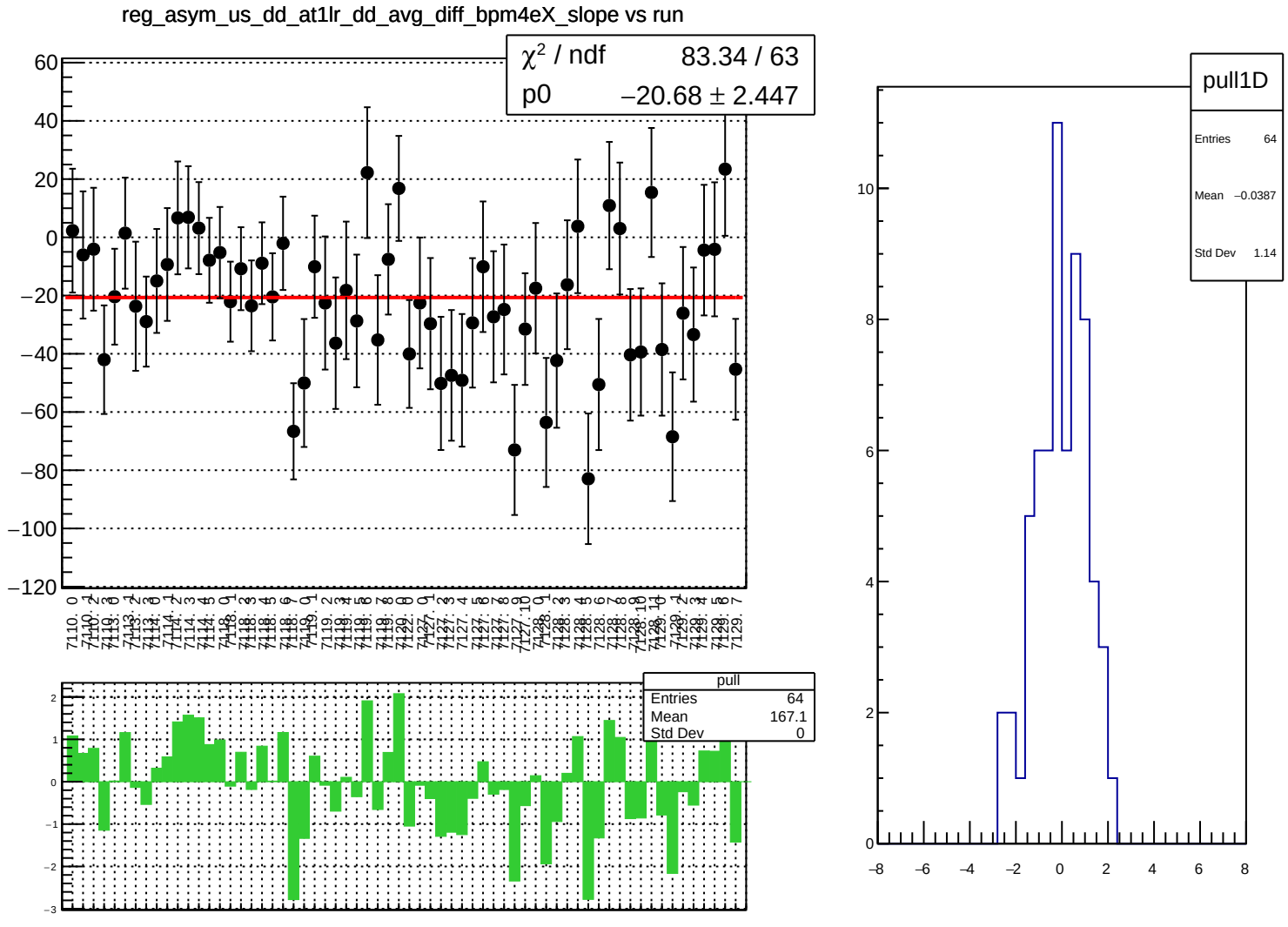

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.04 / 63
p0 −57.14 ± 3.938
pull
Entries 64
Mean −235.6
Std Dev 0
pull1D
Entries 64
Mean −0.01971
Std Dev 0.5451

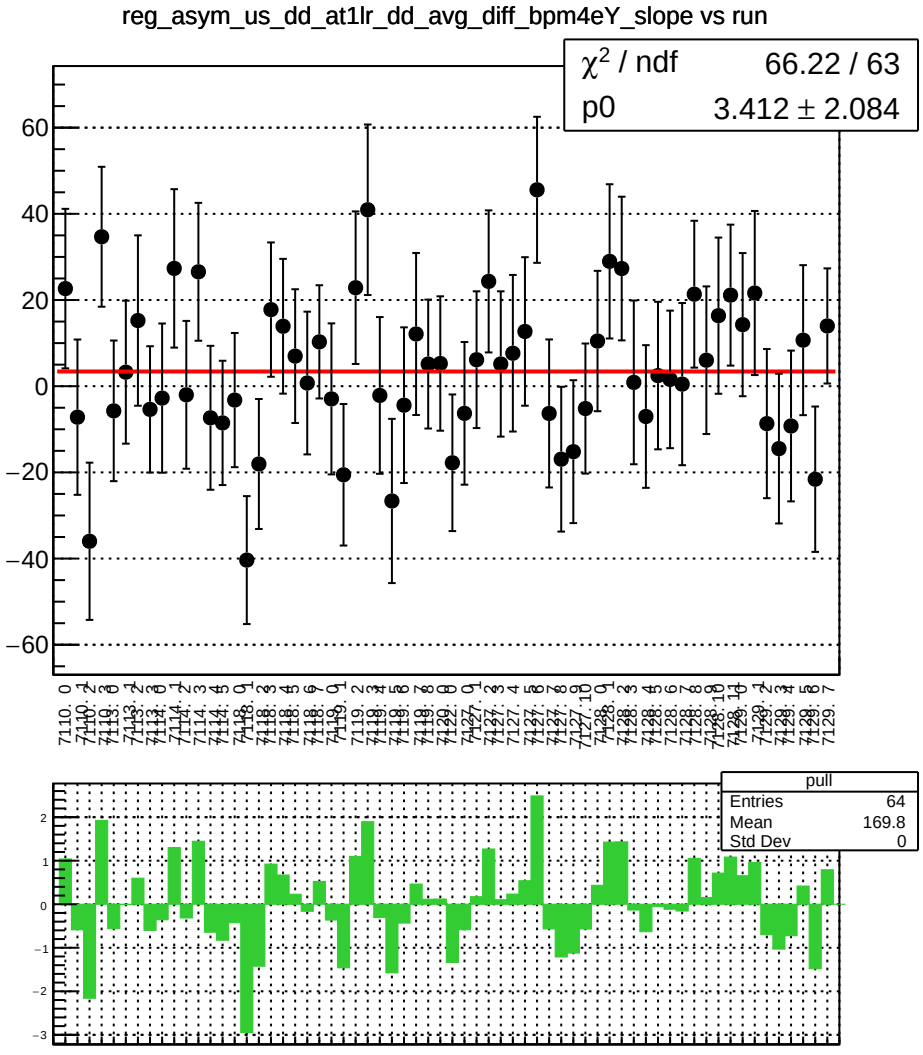

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 30.09 / 63
p0 104.2 ± 0.1756
pull
Entries 64
Mean −275
Std Dev 0

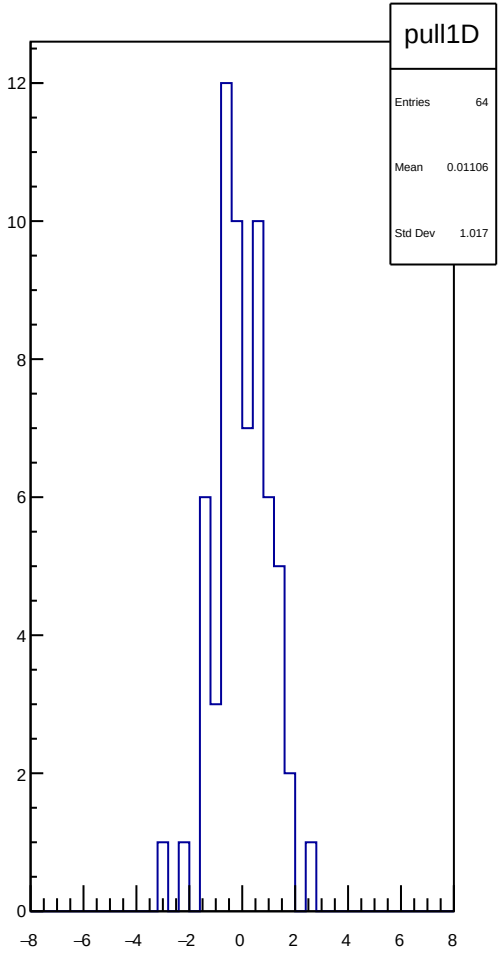

pull1D
Entries 64
Mean 0.02345
Std Dev 0.6853

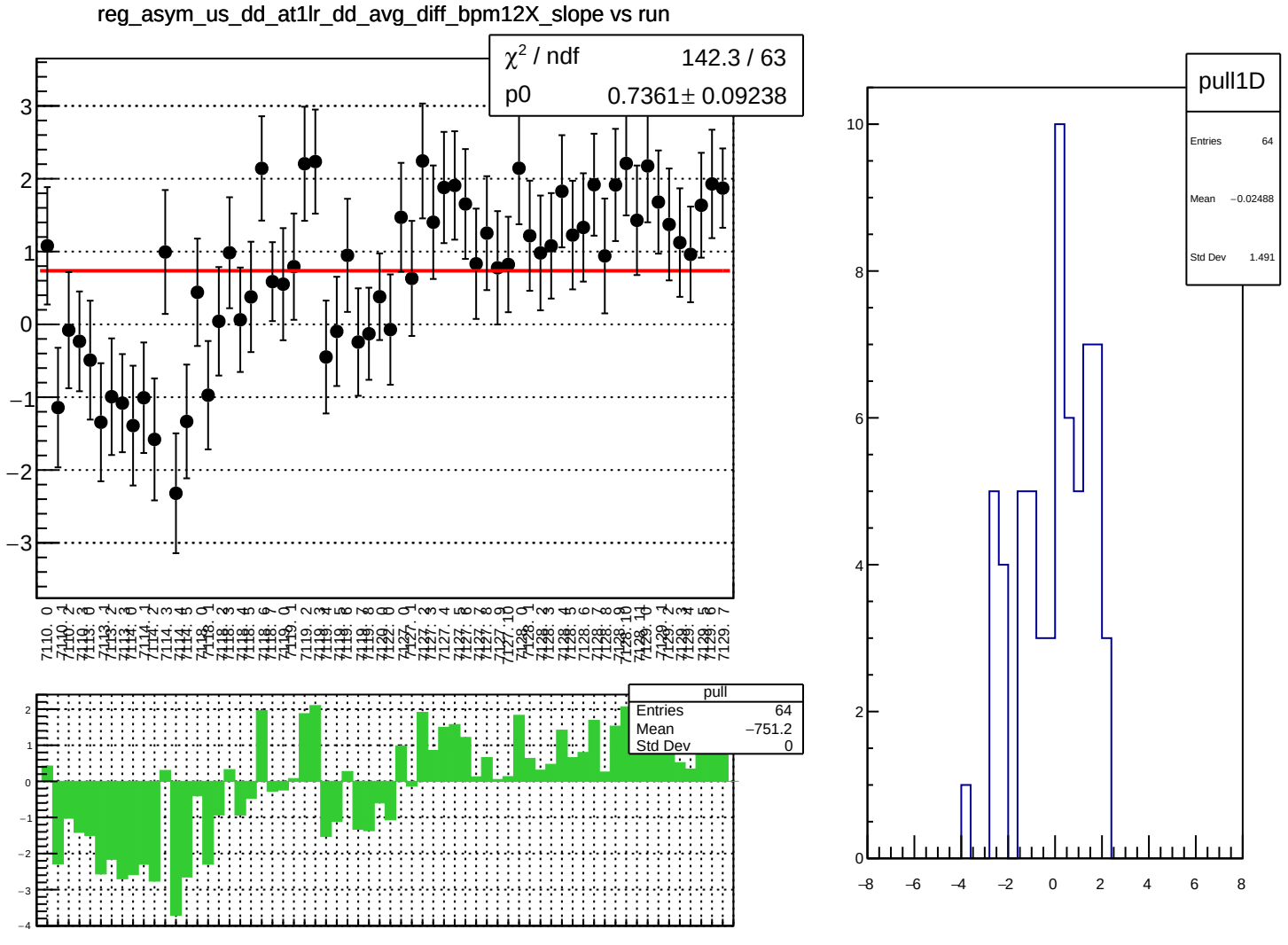

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 87.72 / 63
p0 8.267 ± 2.464
pull
Entries 64
Mean 158.6
Std Dev 0
pull1D
Entries 64
Mean 0.03947
Std Dev 1.17

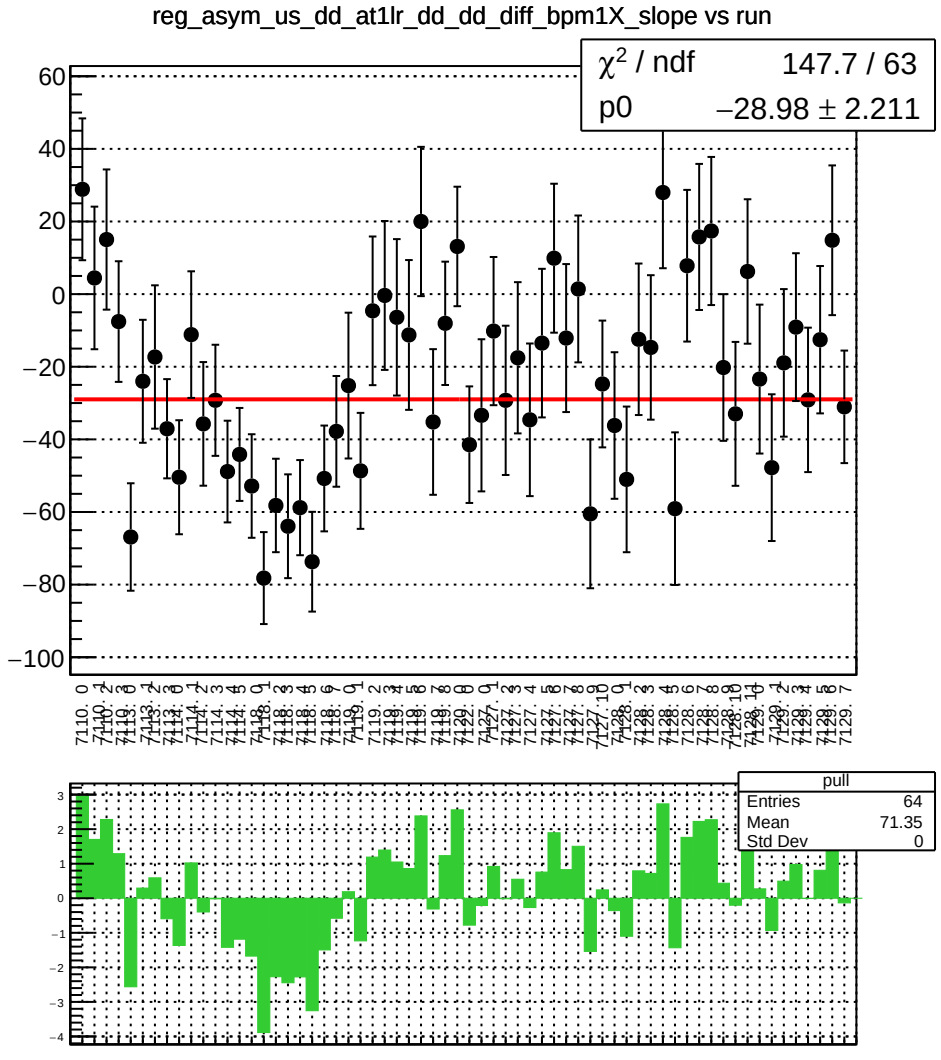

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.52 / 63
p0 −0.9845 ± 1.977
pull
Entries 64
Mean 107.3
Std Dev 0
pull1D
Entries 64
Mean −0.01675
Std Dev 1.004

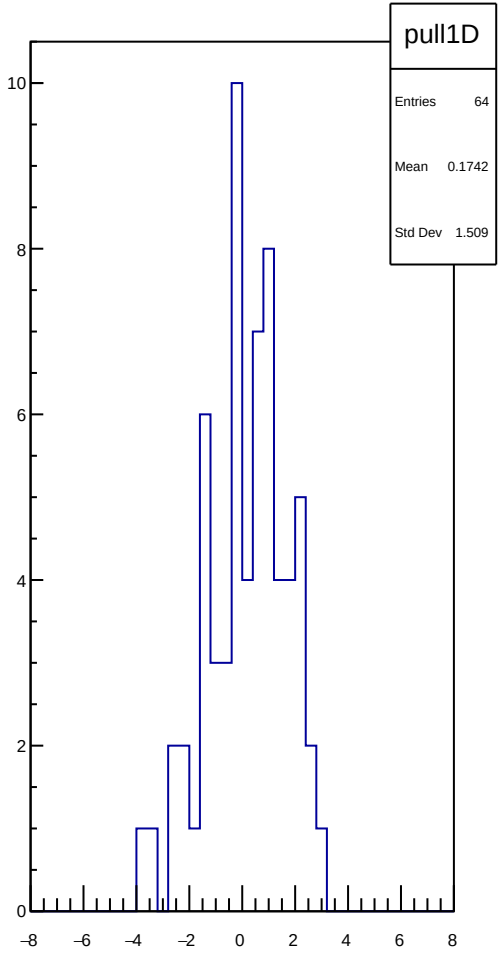

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.34 / 63
p0 −20.68 ± 2.447
pull
Entries 64
Mean 167.1
Std Dev 0
pull1D
Entries 64
Mean −0.0387
Std Dev 1.14

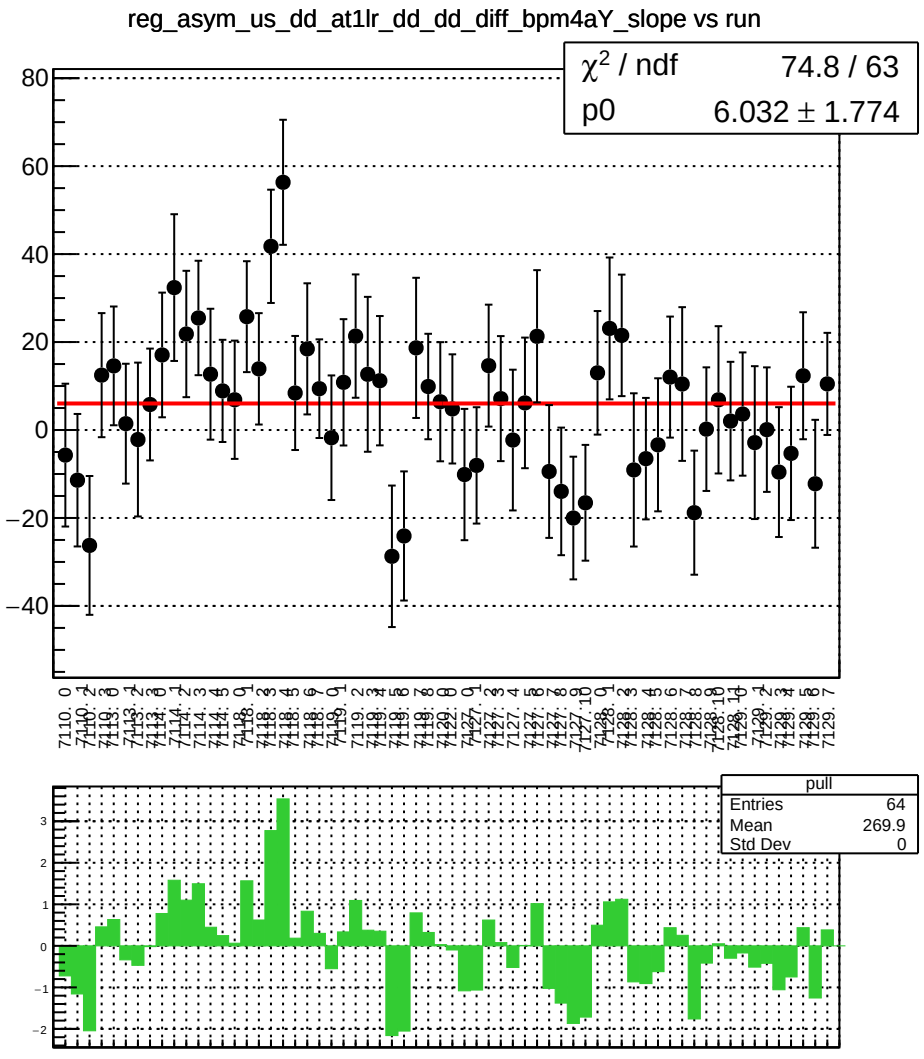

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.22 / 63
p0 3.412 ± 2.084
pull
Entries 64
Mean 169.8
Std Dev 0

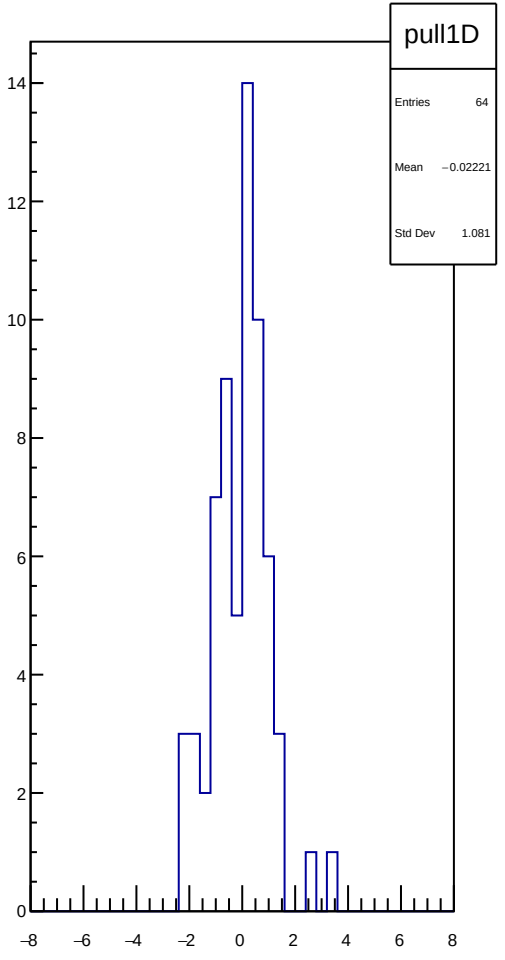

pull1D
Entries 64
Mean 0.01106
Std Dev 1.017

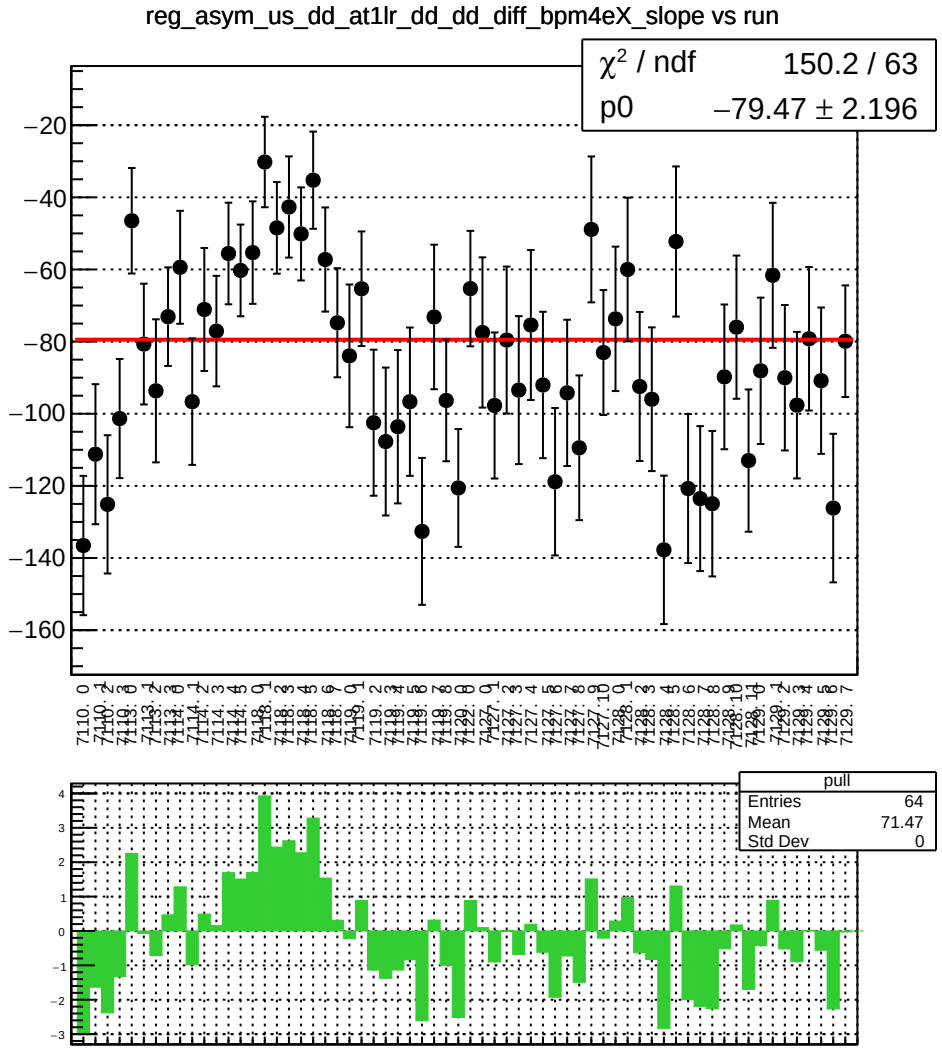

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 142.3 / 63
p0 0.7361± 0.09238
pull
Entries 64
Mean −751.2
Std Dev 0
pull1D
Entries 64
Mean −0.02488
Std Dev 1.491

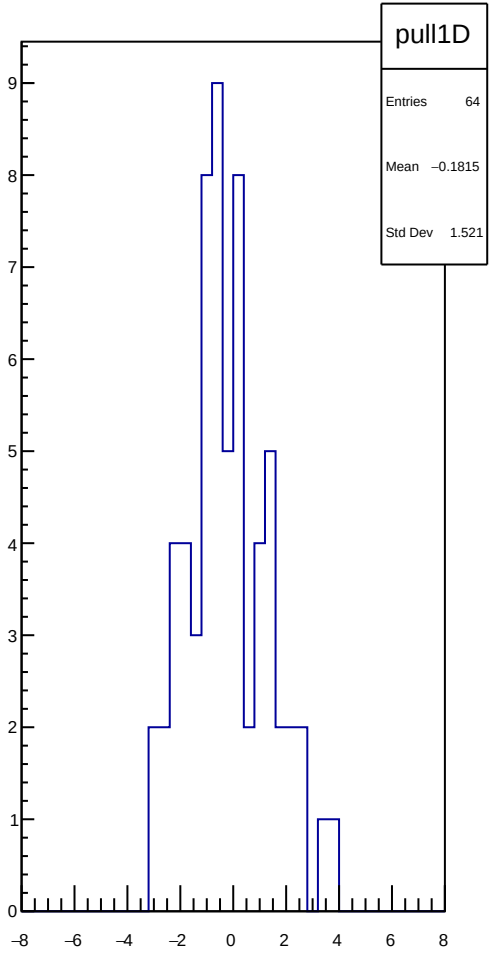

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 147.7 / 63
p0 −28.98 ± 2.211
pull
Entries 64
Mean 71.35
Std Dev 0

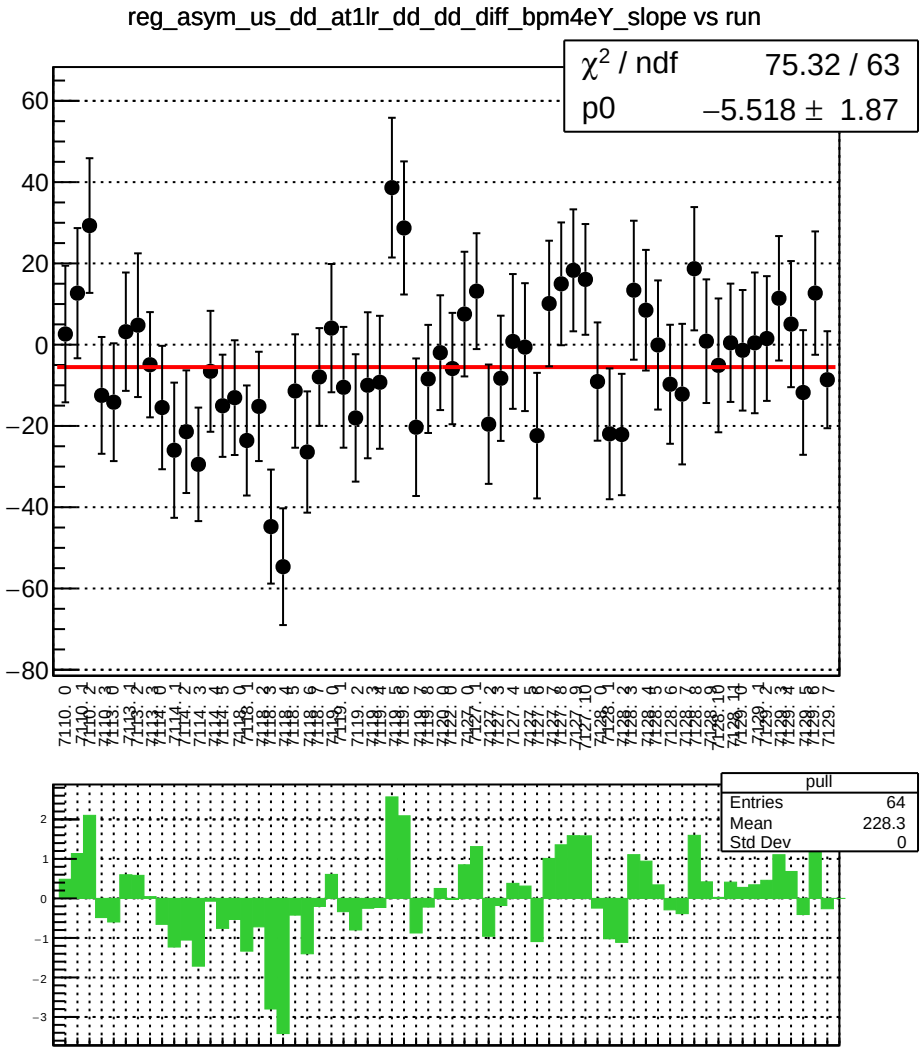

pull1D
Entries 64
Mean 0.1742
Std Dev 1.509

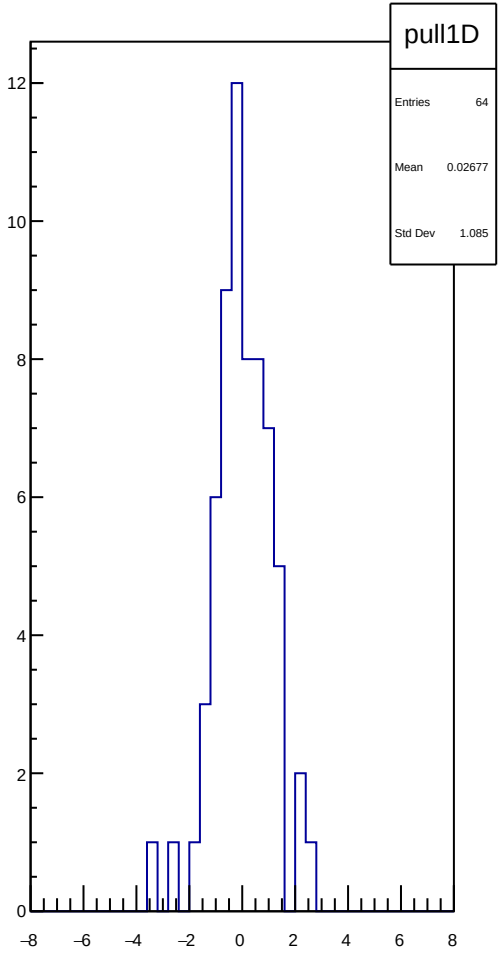

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.8 / 63
p0 6.032 ± 1.774
pull
Entries 64
Mean 269.9
Std Dev 0

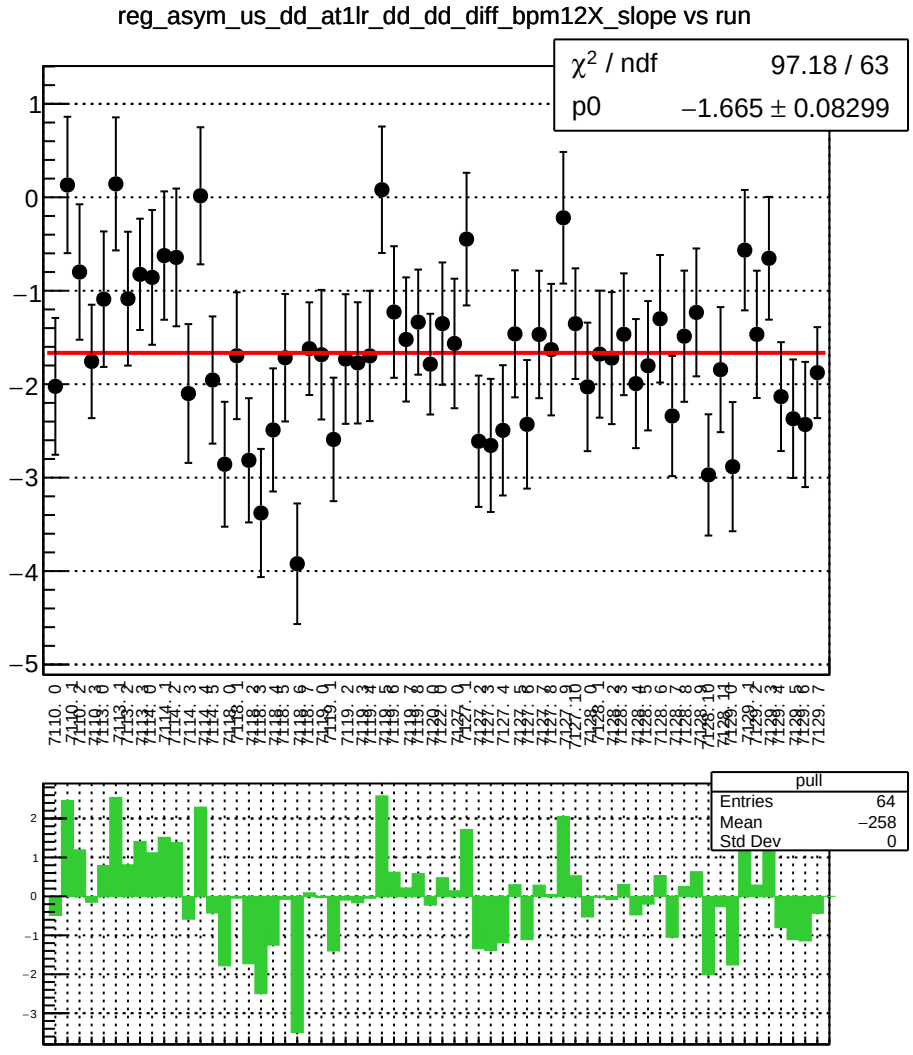

pull1D
Entries 64
Mean −0.02221
Std Dev 1.081

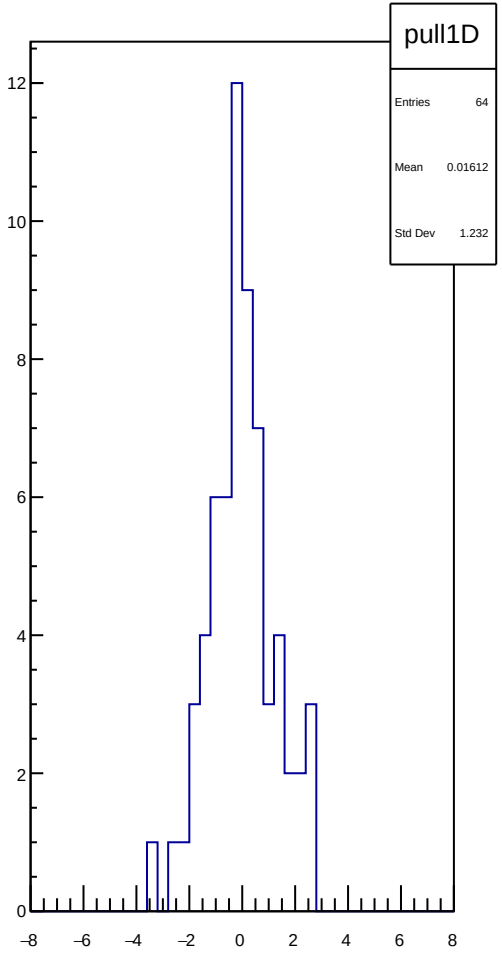

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 150.2 / 63
p0 −79.47 ± 2.196
pull
Entries 64
Mean 71.47
Std Dev 0

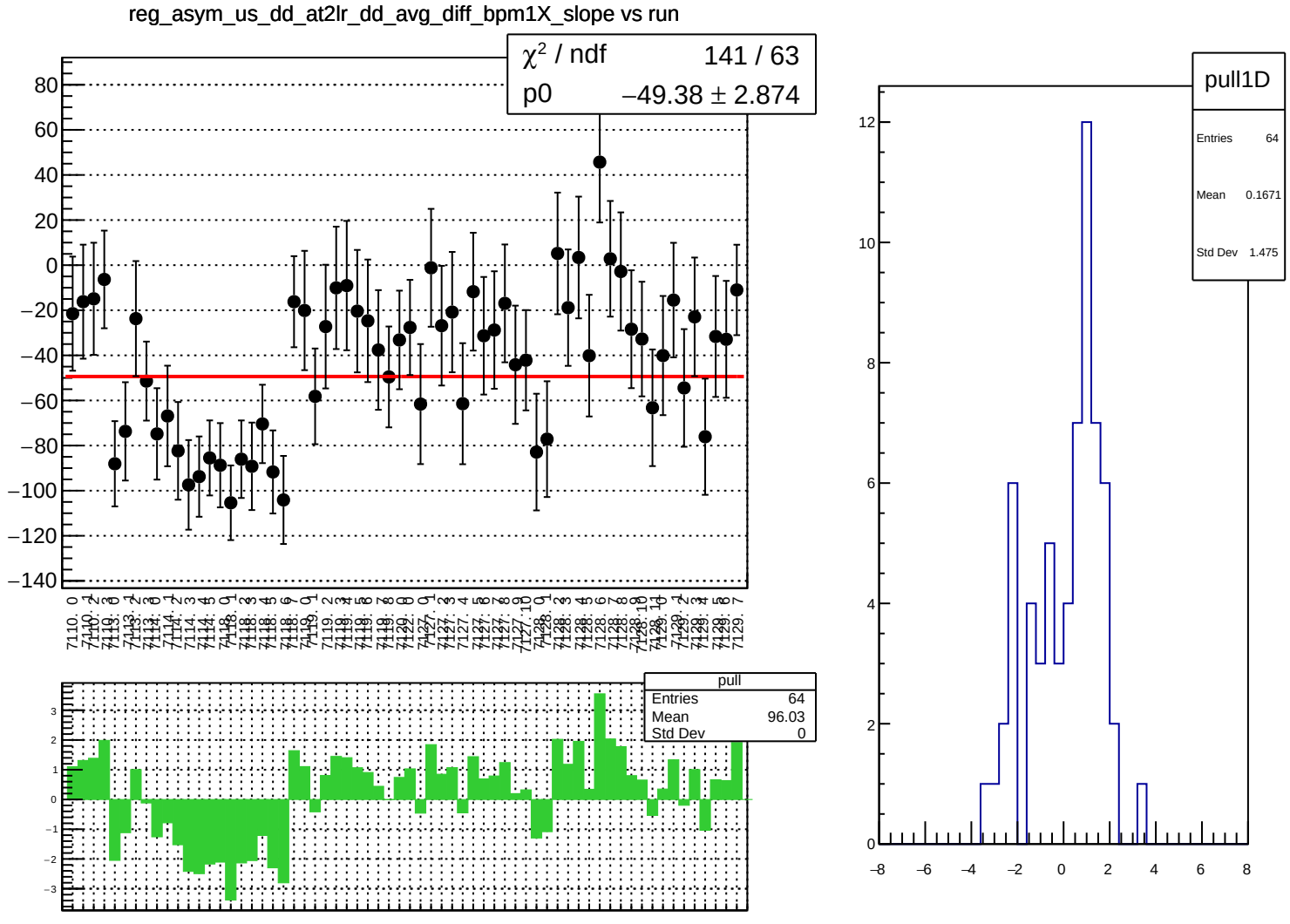

pull1D
Entries 64
Mean −0.1815
Std Dev 1.521

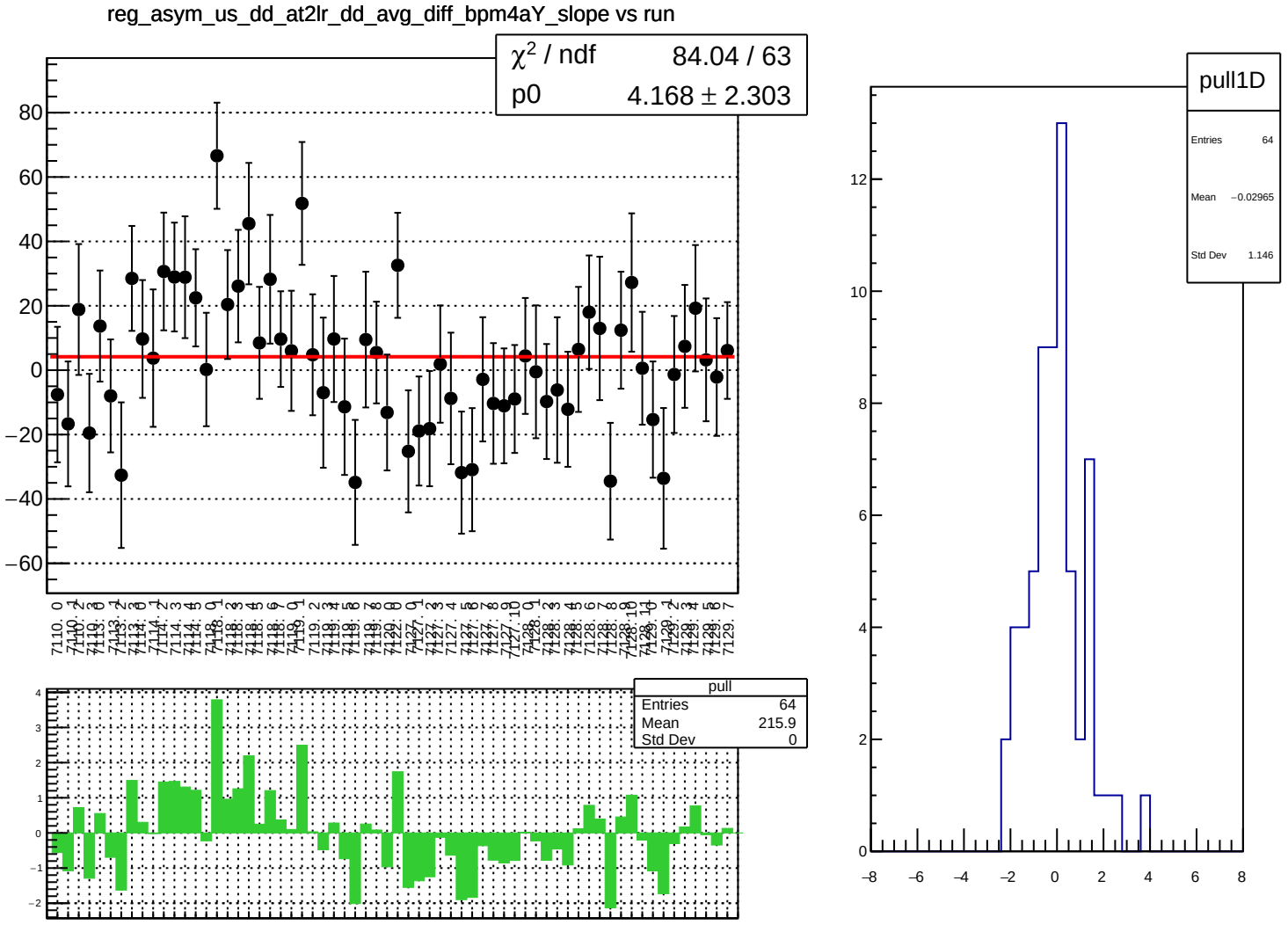

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.32 / 63
p0 −5.518 ± 1.87
pull
Entries 64
Mean 228.3
Std Dev 0

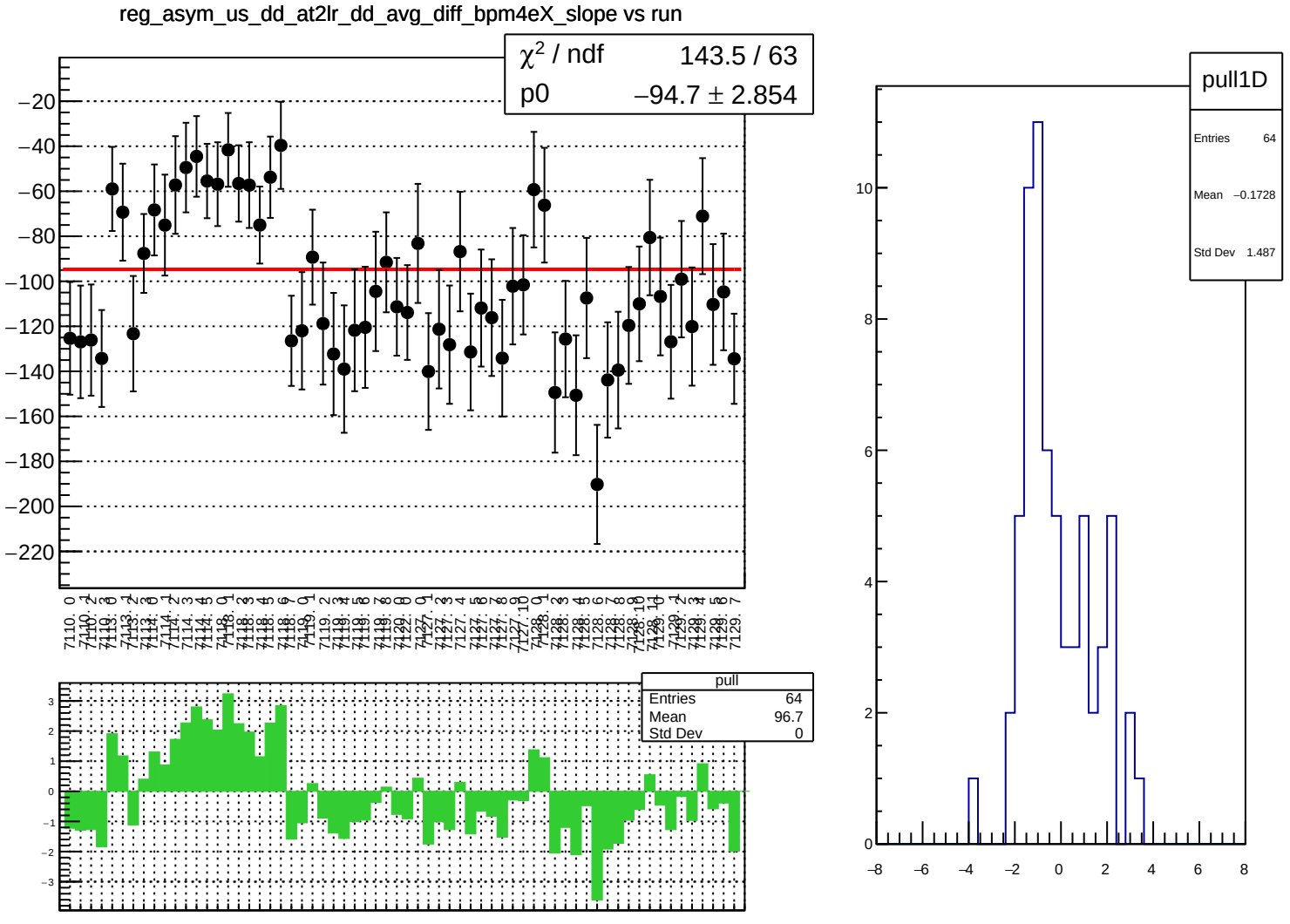

pull1D
Entries 64
Mean 0.02677
Std Dev 1.085

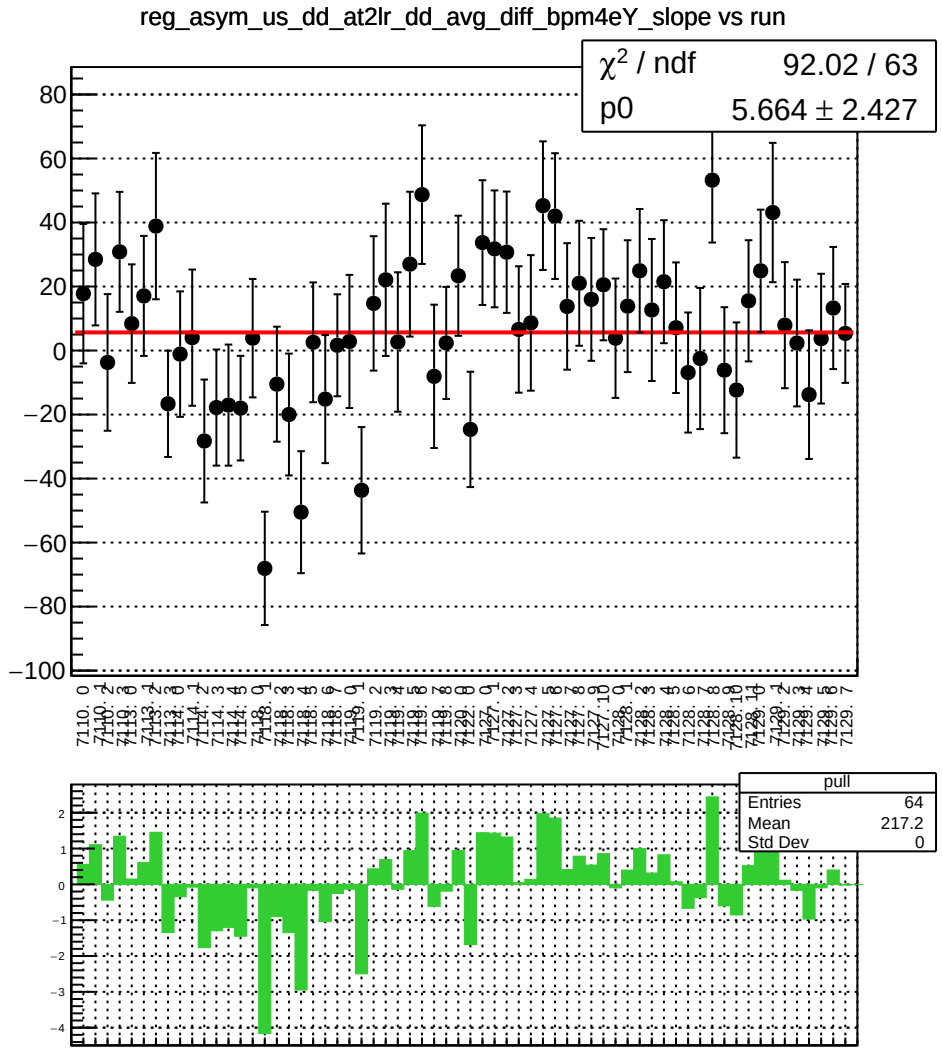

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 97.18 / 63
p0 −1.665 ± 0.08299
pull
Entries 64
Mean −258
Std Dev 0

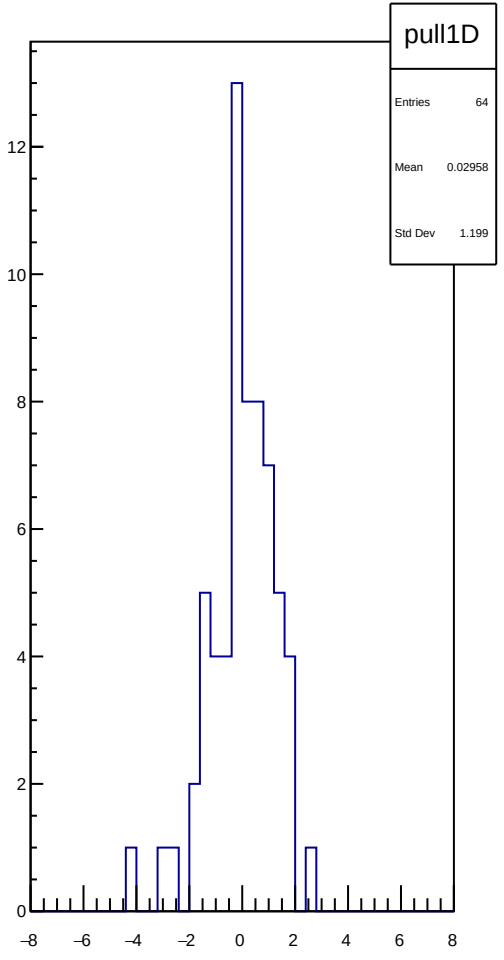

pull1D
Entries 64
Mean 0.01612
Std Dev 1.232

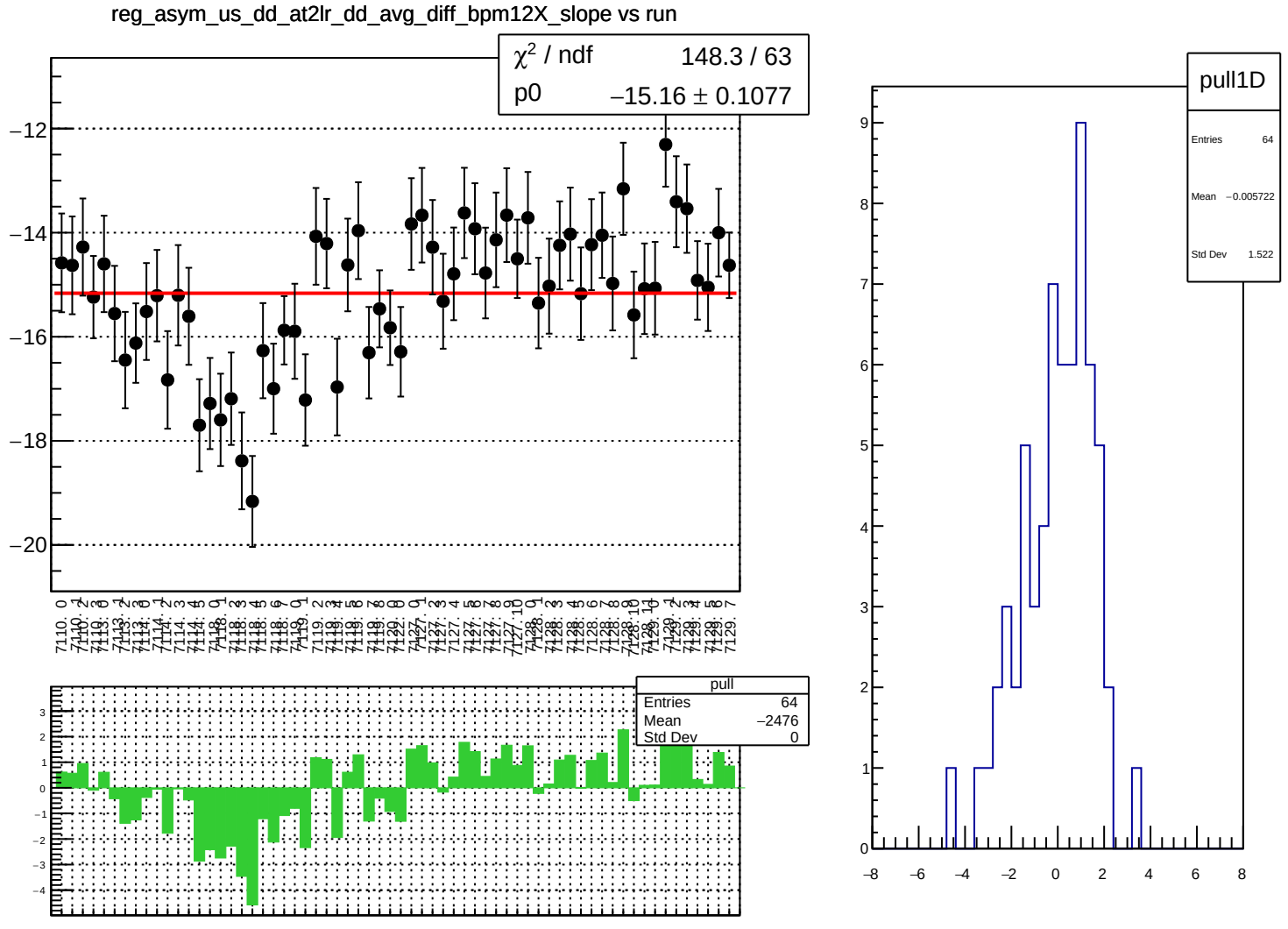

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 141 / 63
p0 −49.38 ± 2.874
pull
Entries 64
Mean 96.03
Std Dev 0
pull1D
Entries 64
Mean 0.1671
Std Dev 1.475

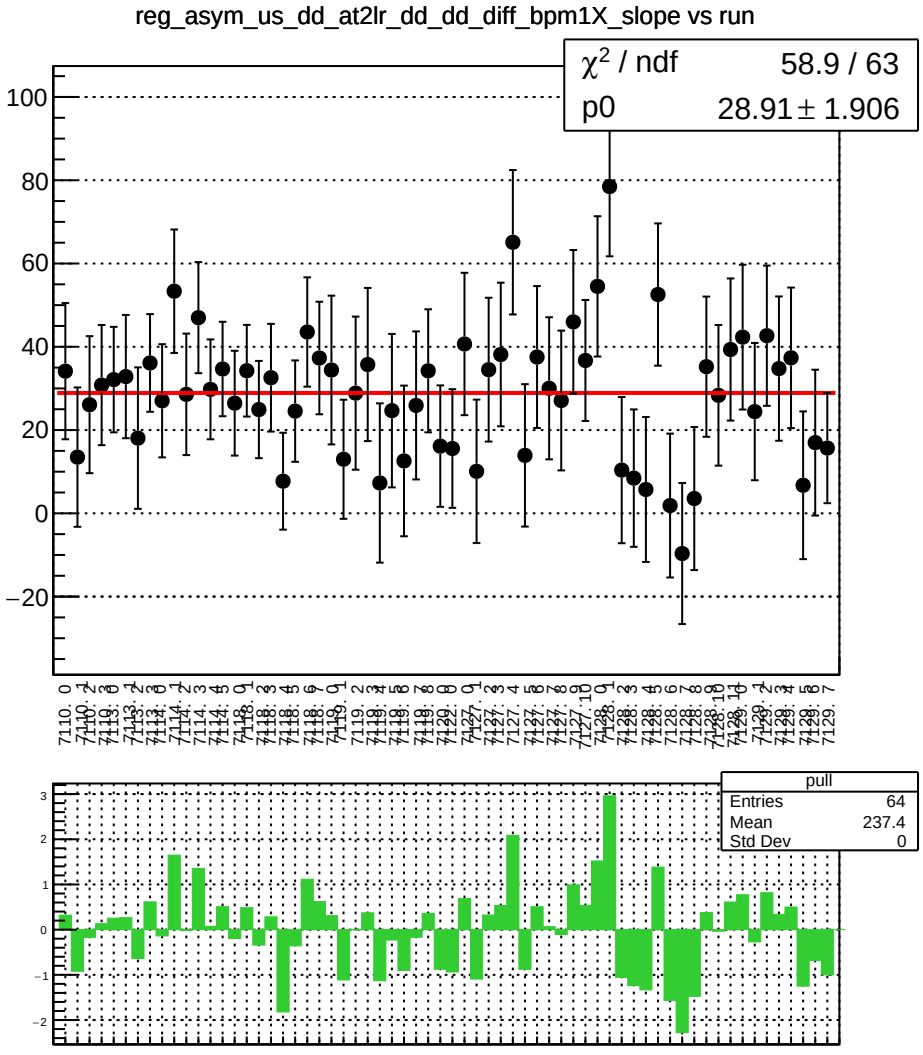

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.04 / 63
p0 4.168 ± 2.303
pull
Entries 64
Mean 215.9
Std Dev 0
pull1D
Entries 64
Mean −0.02965
Std Dev 1.146

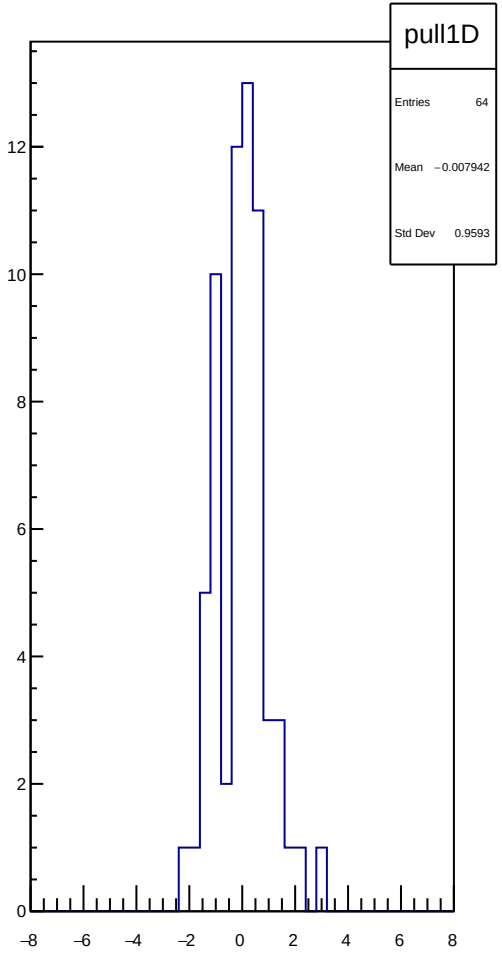

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 143.5 / 63
p0 −94.7 ± 2.854
pull
Entries 64
Mean 96.7
Std Dev 0
pull1D
Entries 64
Mean −0.1728
Std Dev 1.487

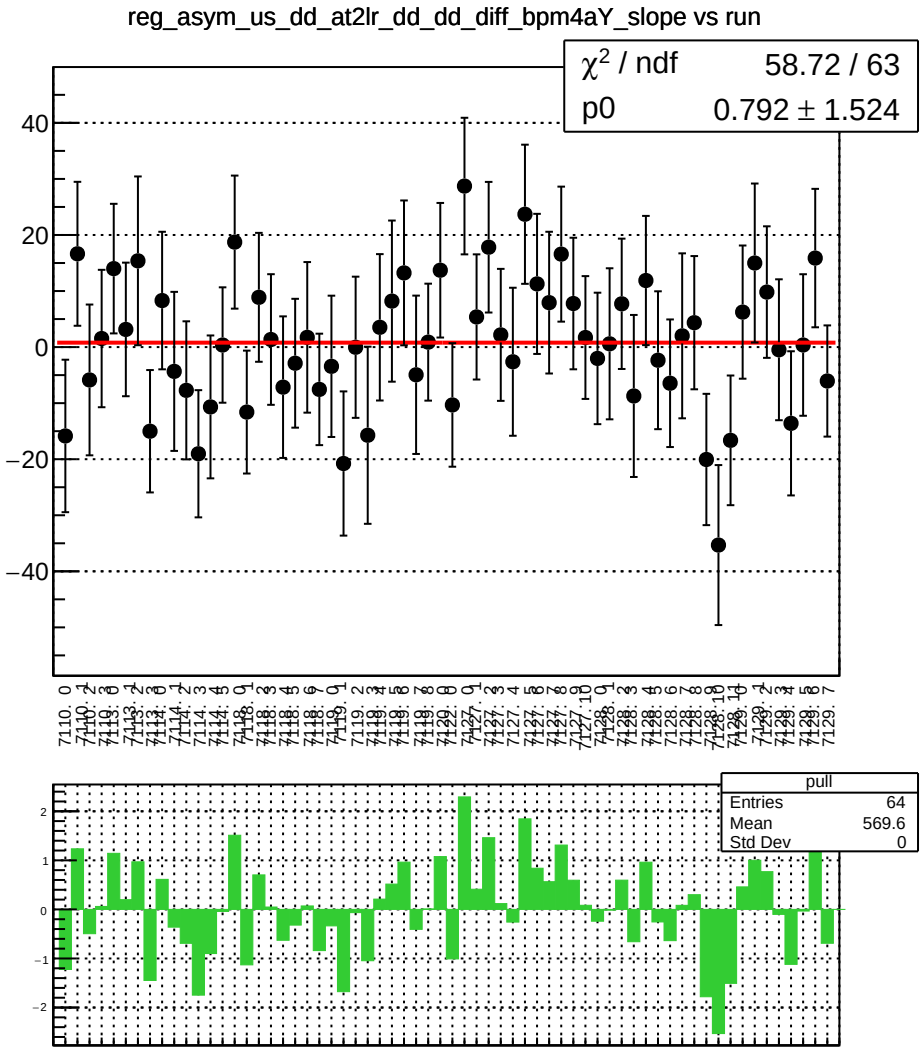

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.02 / 63
p0 5.664 ± 2.427
pull
Entries 64
Mean 217.2
Std Dev 0

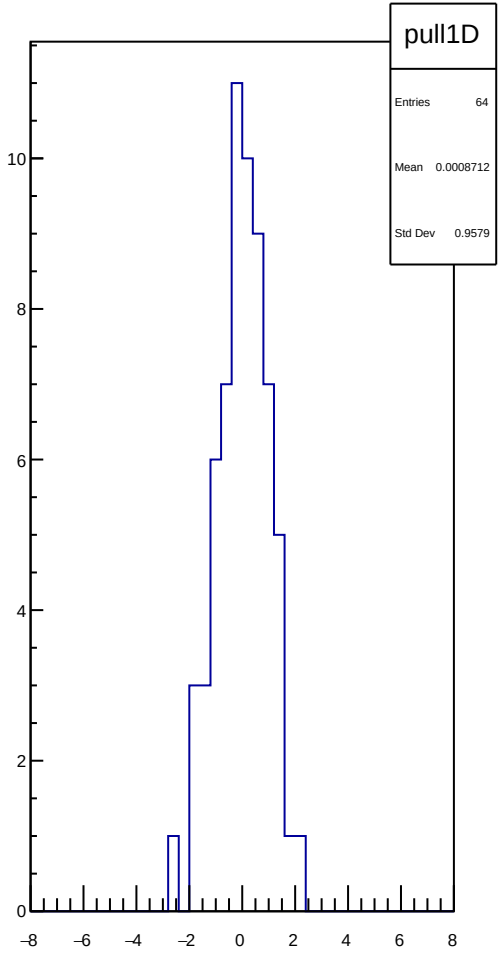

pull1D
Entries 64
Mean 0.02958
Std Dev 1.199

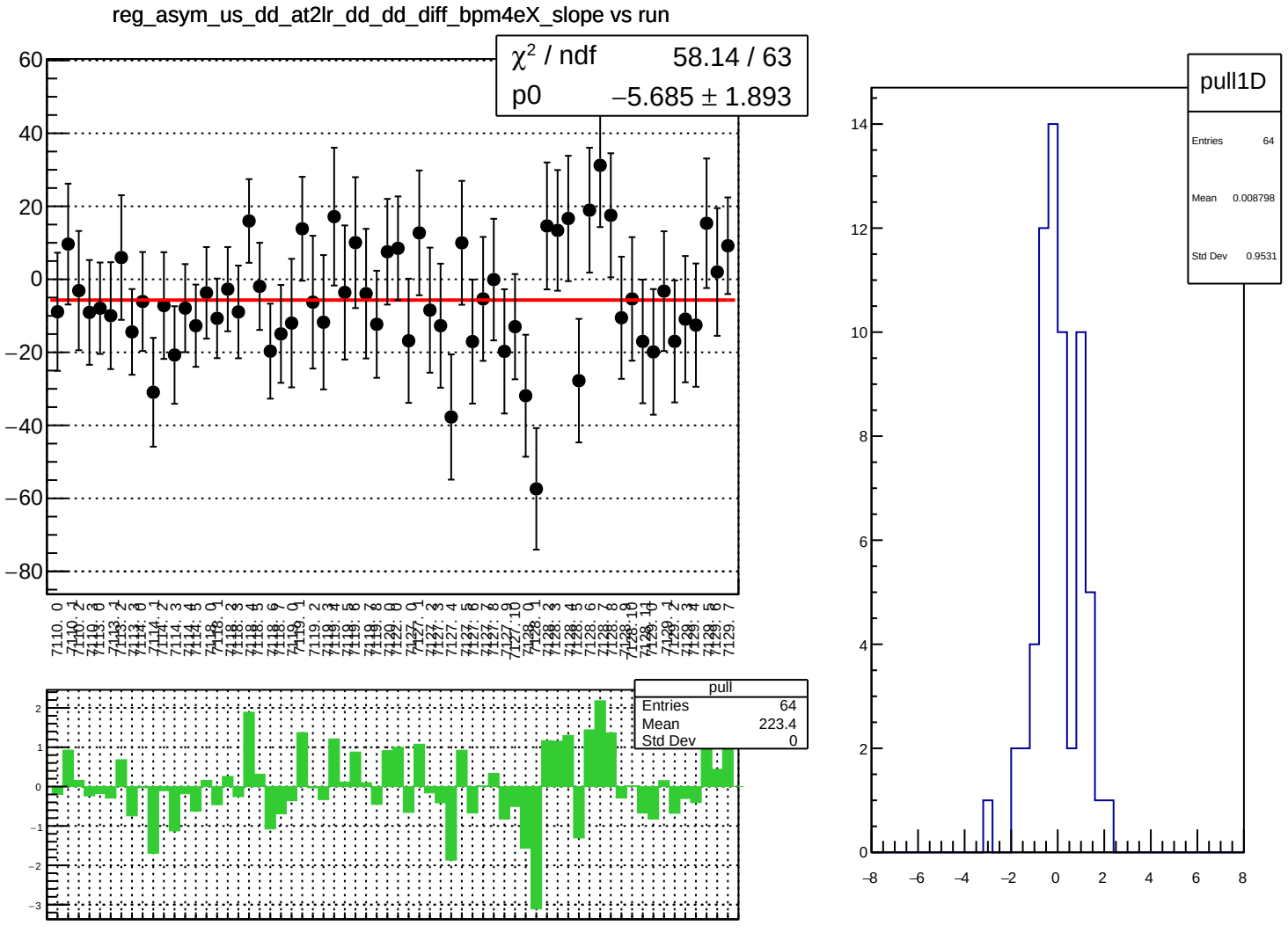

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 148.3 / 63
p0 −15.16 ± 0.1077
pull
Entries 64
Mean −2476
Std Dev 0
pull1D
Entries 64
Mean −0.005722
Std Dev 1.522

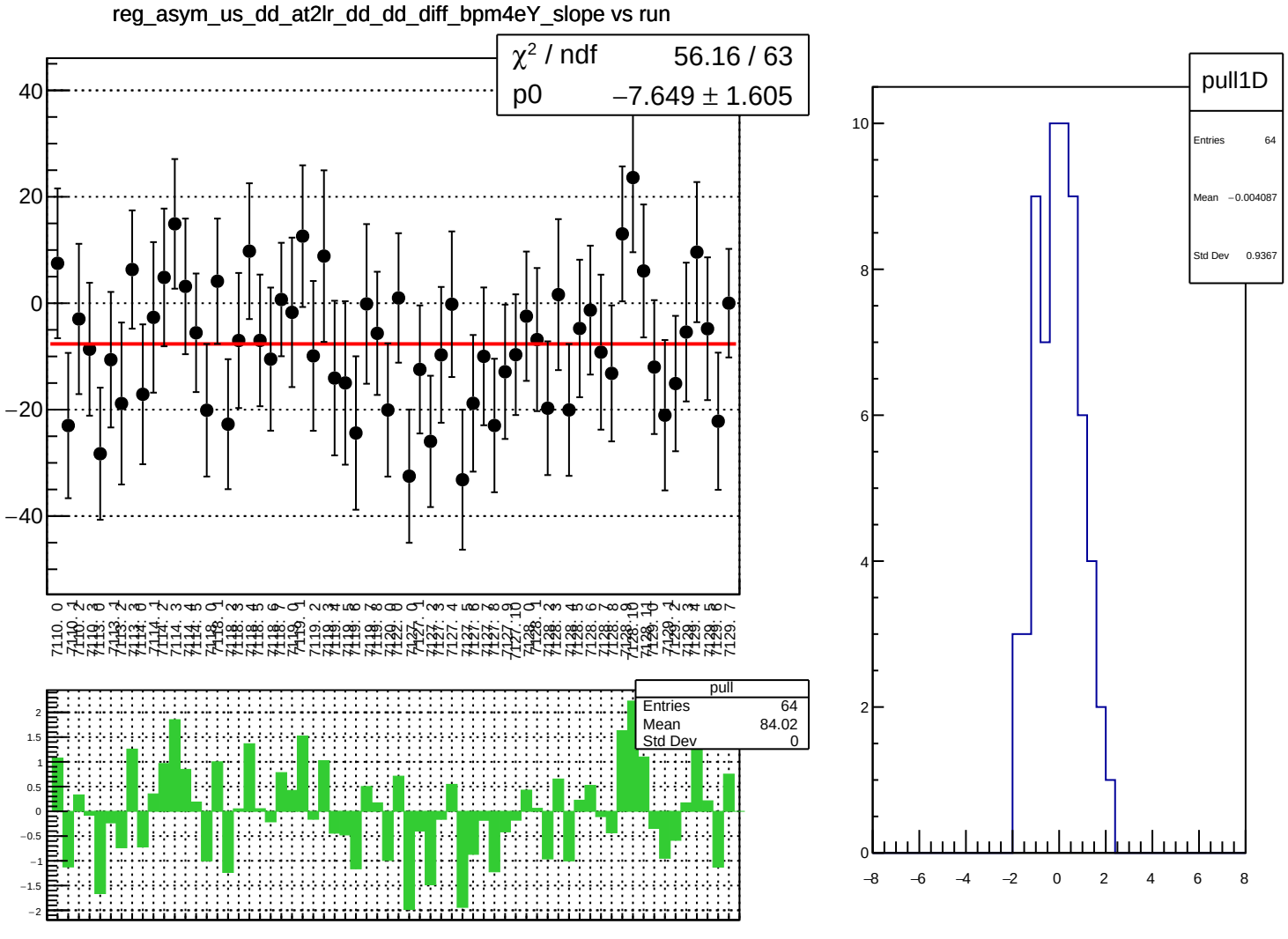

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 58.9 / 63
p0 28.91 ± 1.906
pull
Entries 64
Mean 237.4
Std Dev 0

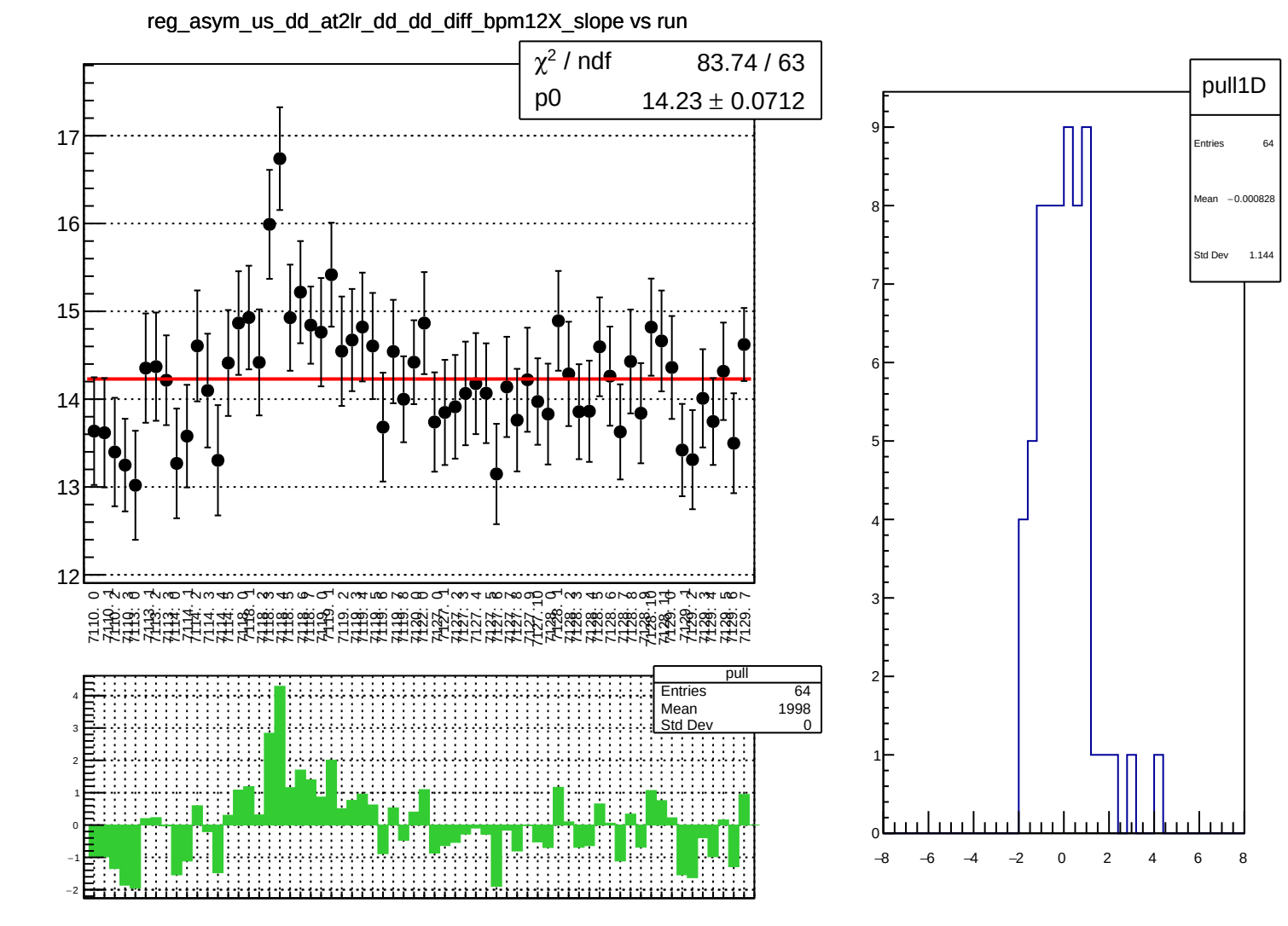

pull1D
Entries 64
Mean −0.007942
Std Dev 0.9593

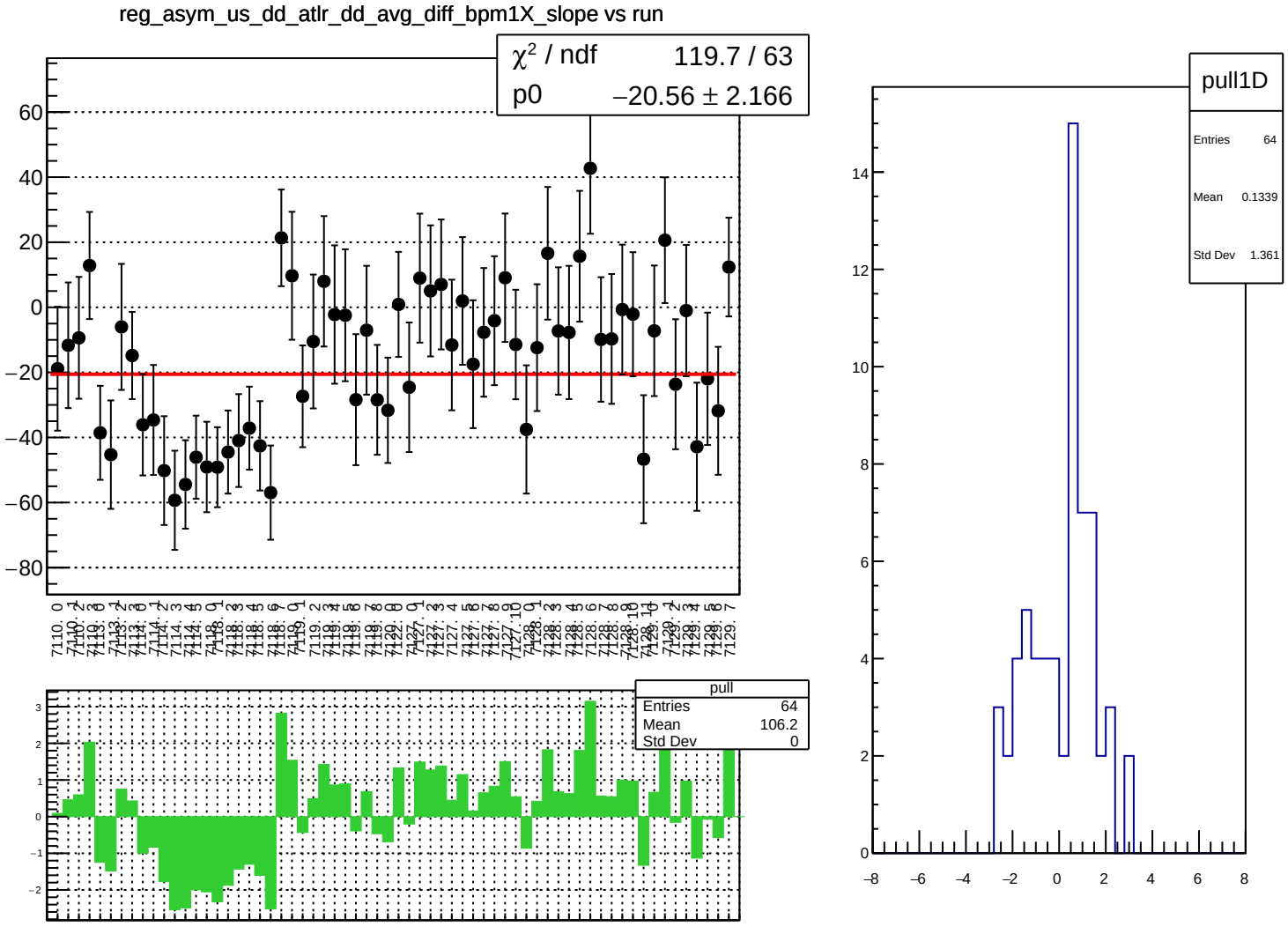

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.72 / 63
p0 0.792 ± 1.524
pull
Entries 64
Mean 569.6
Std Dev 0

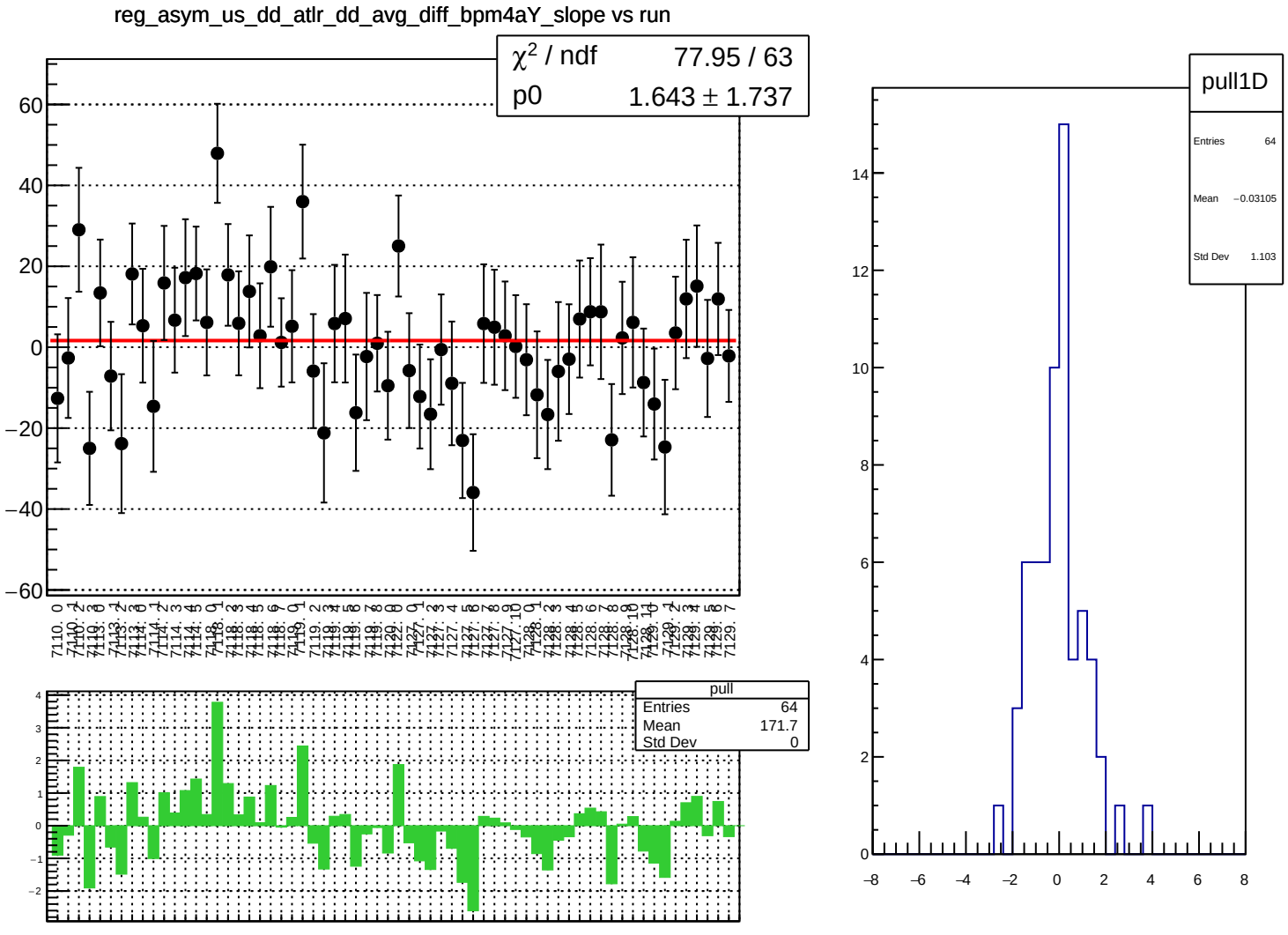

pull1D
Entries 64
Mean 0.0008712
Std Dev 0.9579

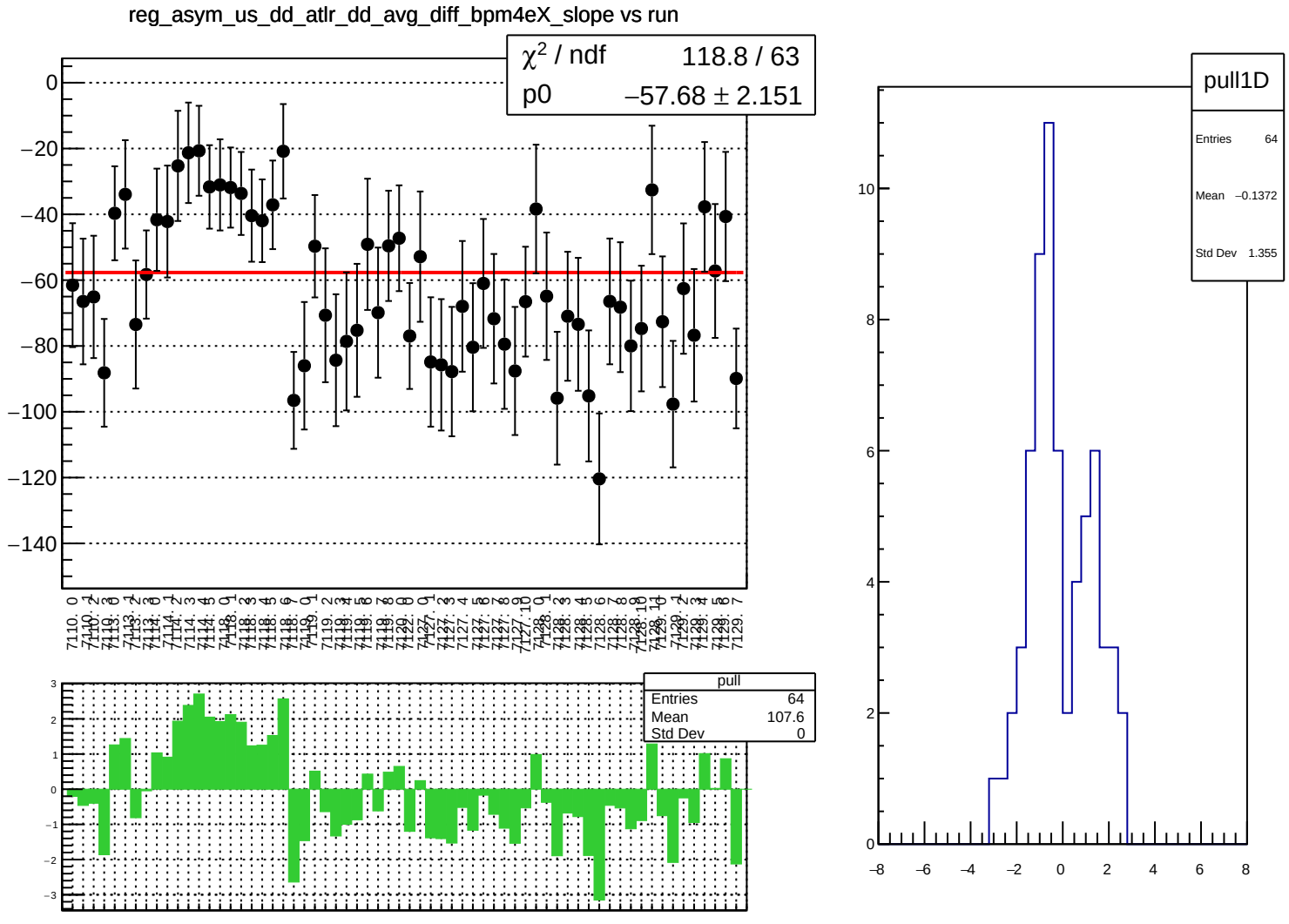

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.14 / 63
p0 −5.685 ± 1.893
pull
Entries 64
Mean 223.4
Std Dev 0
pull1D
Entries 64
Mean 0.008798
Std Dev 0.9531

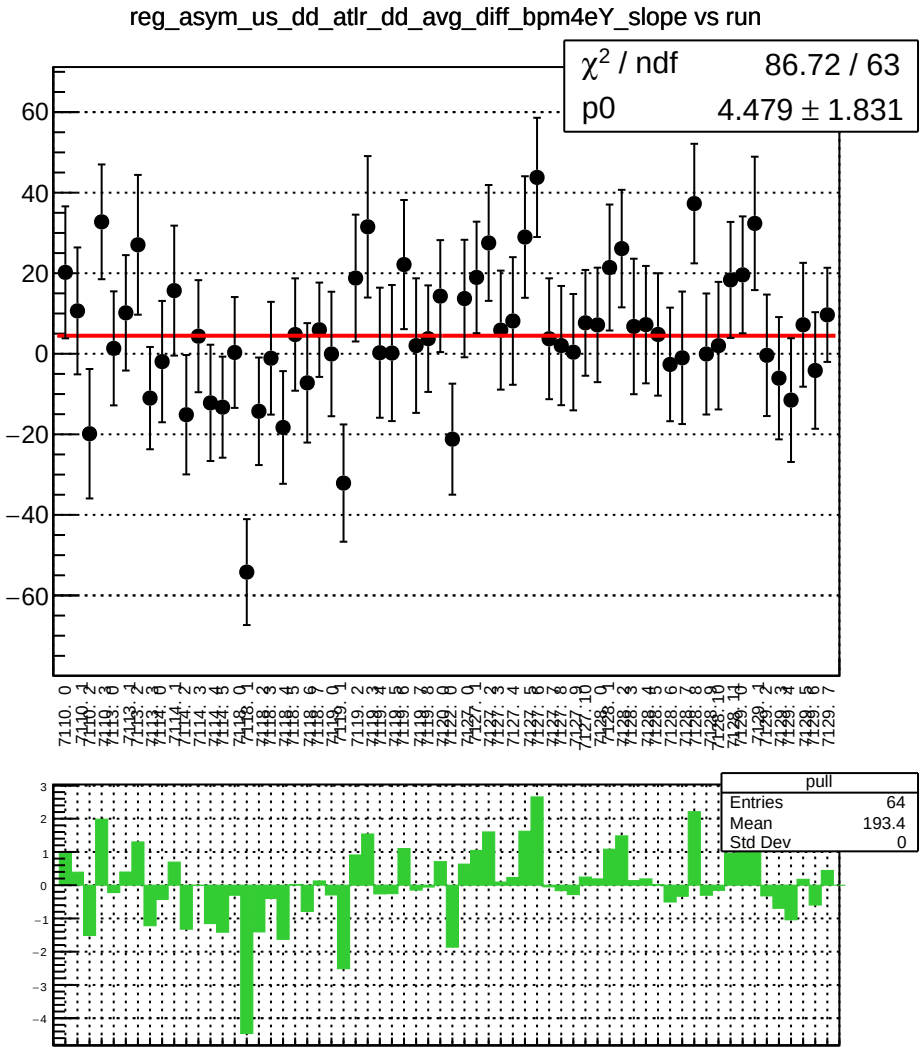

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.16 / 63
p0 −7.649 ± 1.605
pull
Entries 64
Mean 84.02
Std Dev 0
pull1D
Entries 64
Mean −0.004087
Std Dev 0.9367

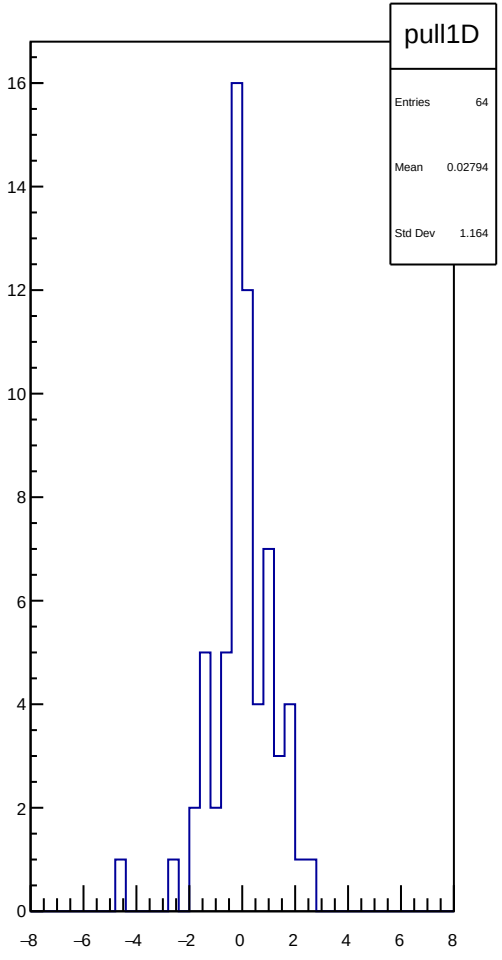

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 83.74 / 63
p0 14.23 ± 0.0712
pull
Entries 64
Mean 1998
Std Dev 0
pull1D
Entries 64
Mean −0.000828
Std Dev 1.144

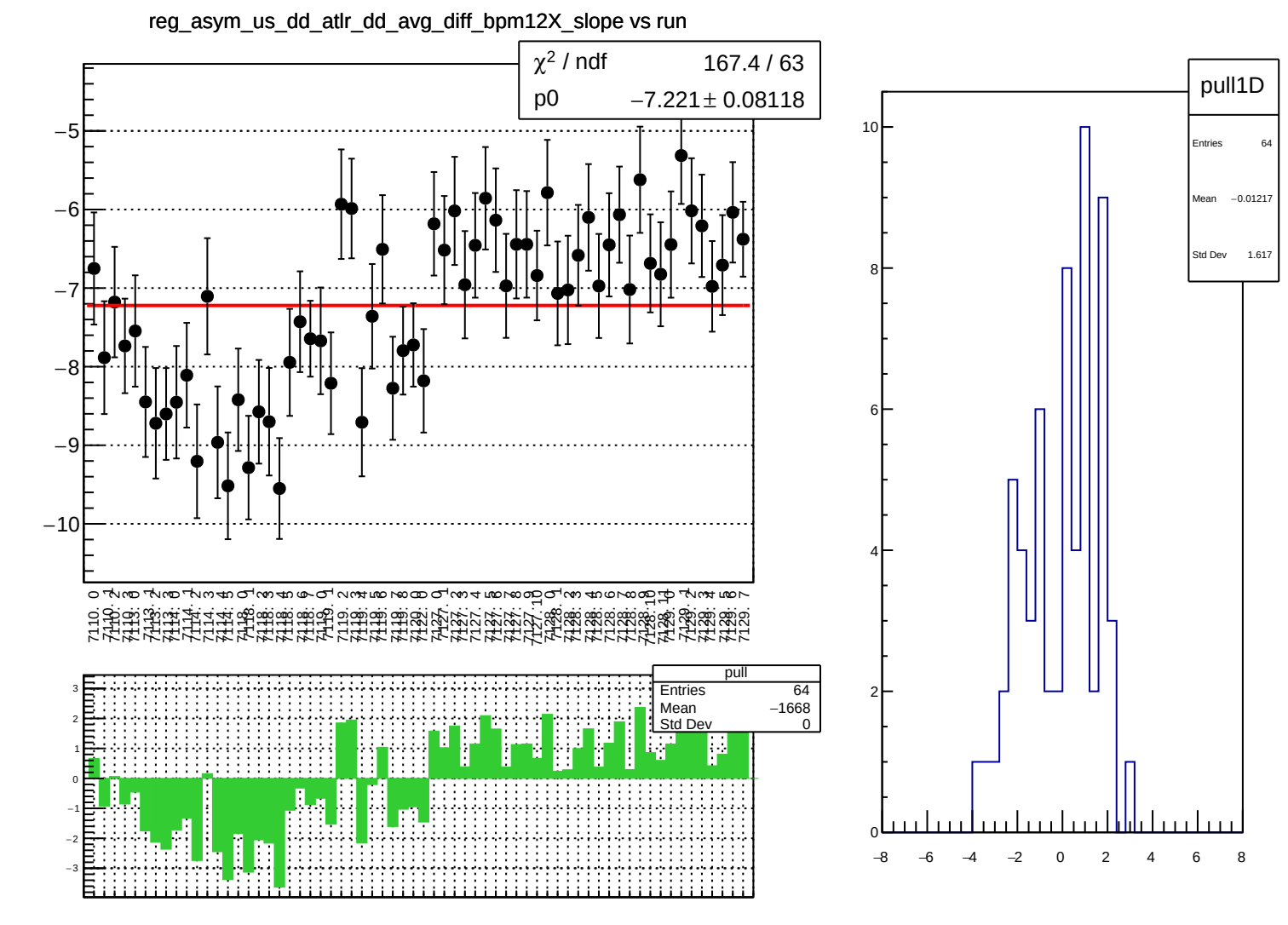

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 119.7 / 63
p0 −20.56 ± 2.166
pull
Entries 64
Mean 106.2
Std Dev 0
pull1D
Entries 64
Mean 0.1339
Std Dev 1.361

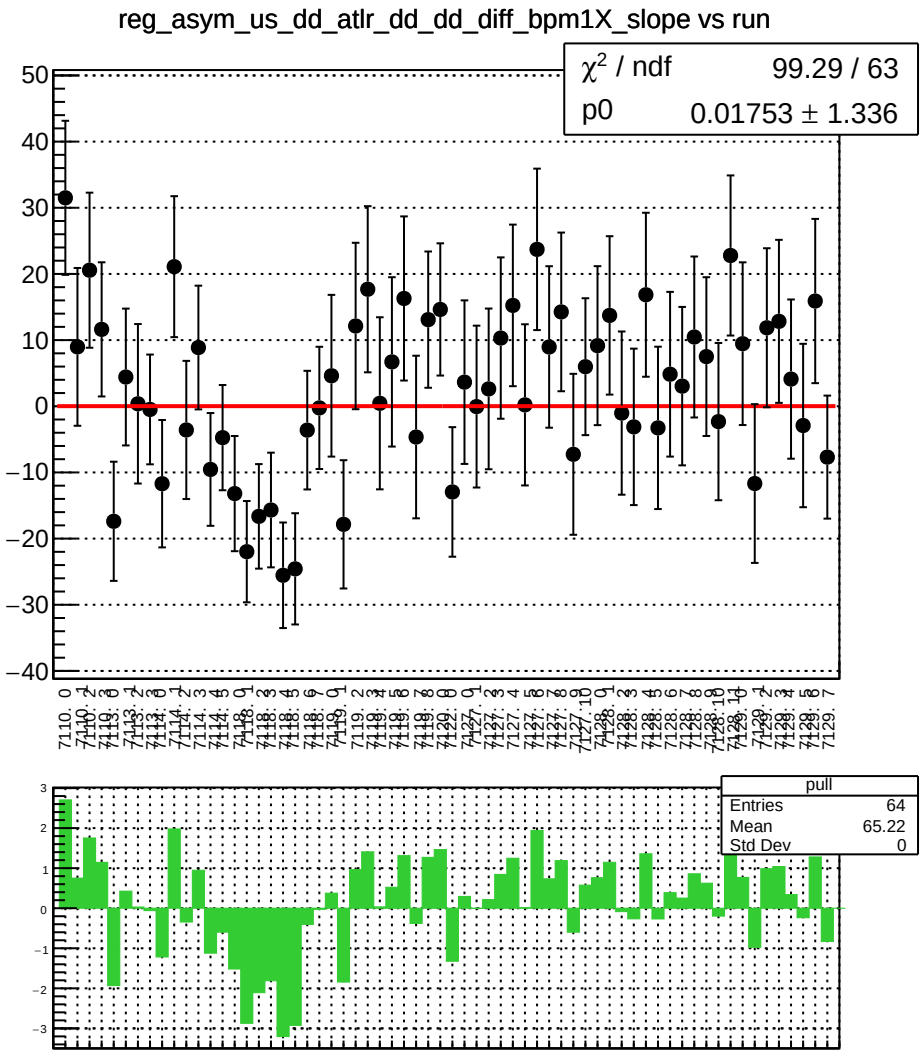

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 77.95 / 63
p0 1.643 ± 1.737
pull
Entries 64
Mean 171.7
Std Dev 0
pull1D
Entries 64
Mean −0.03105
Std Dev 1.103

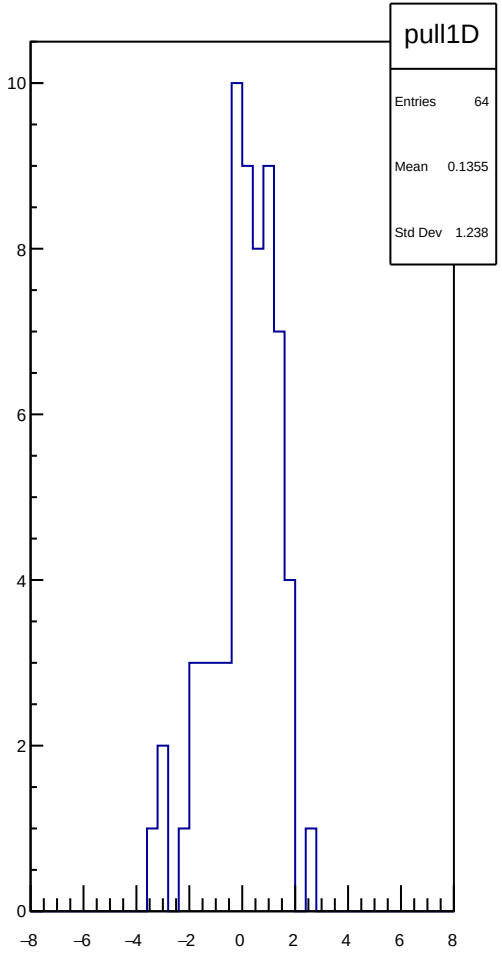

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 118.8 / 63
p0 −57.68 ± 2.151
pull
Entries 64
Mean 107.6
Std Dev 0
pull1D
Entries 64
Mean −0.1372
Std Dev 1.355

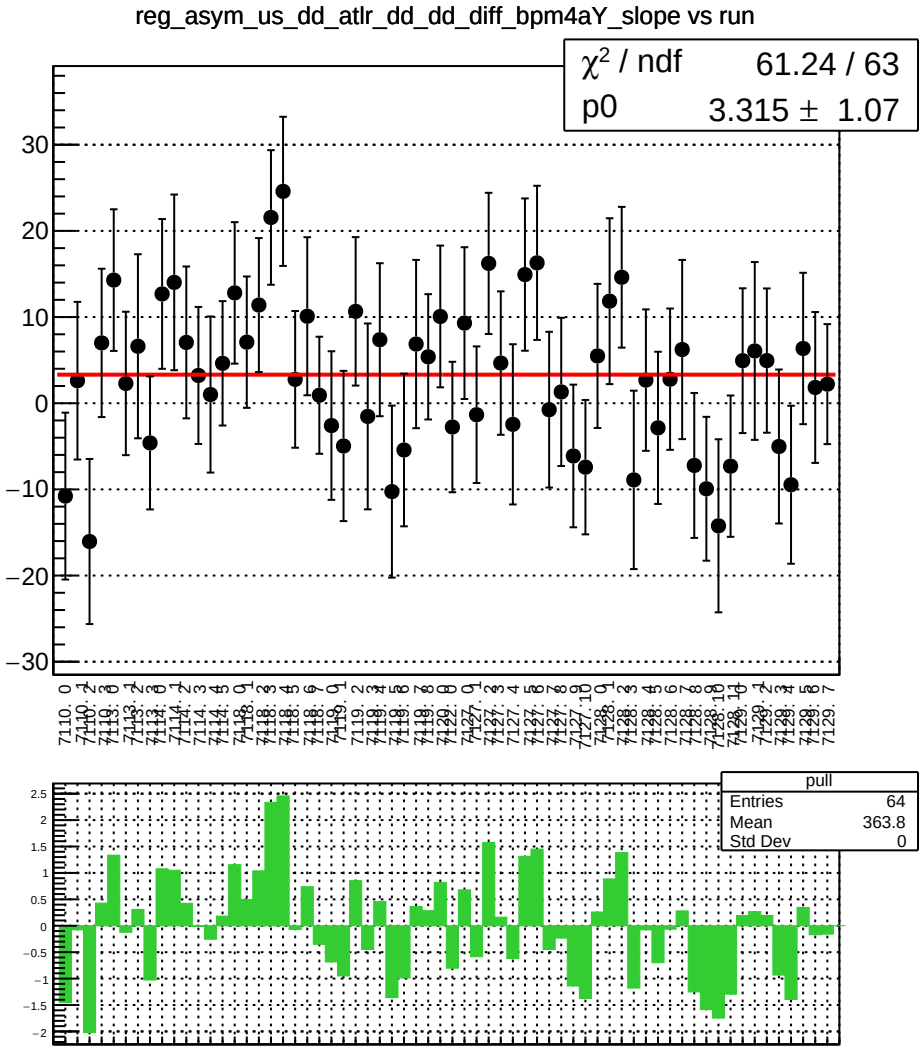

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 86.72 / 63
p0 4.479 ± 1.831
pull
Entries 64
Mean 193.4
Std Dev 0

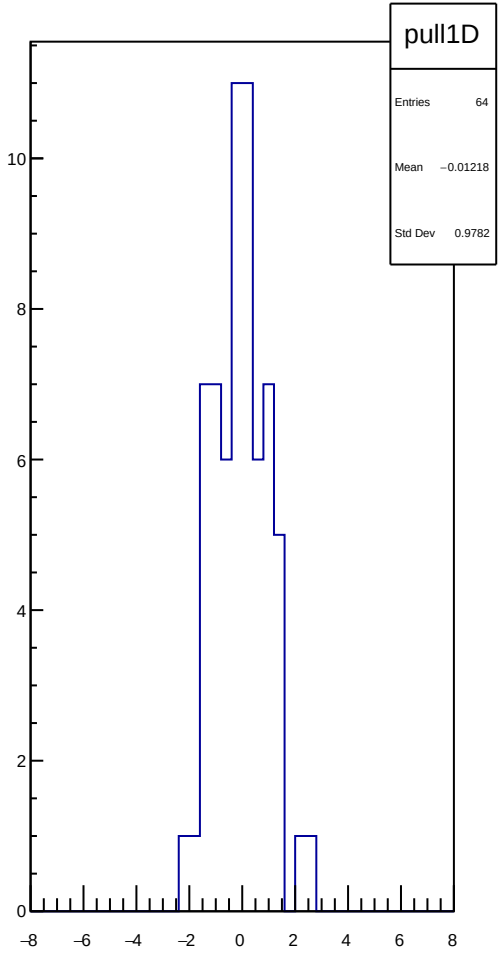

pull1D
Entries 64
Mean 0.02794
Std Dev 1.164

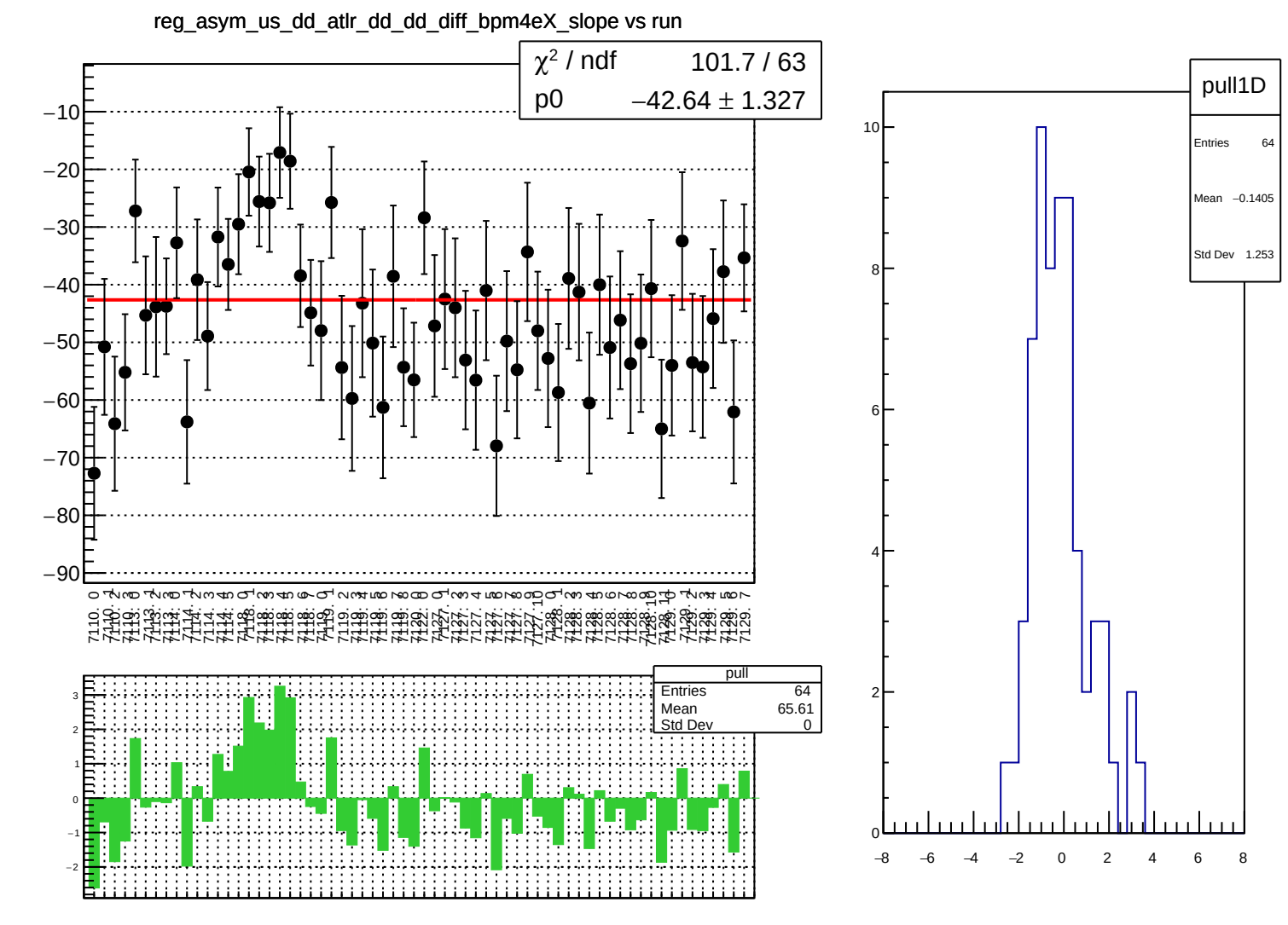

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 167.4 / 63
p0 −7.221 ± 0.08118
pull
Entries 64
Mean −1668
Std Dev 0
pull1D
Entries 64
Mean −0.01217
Std Dev 1.617

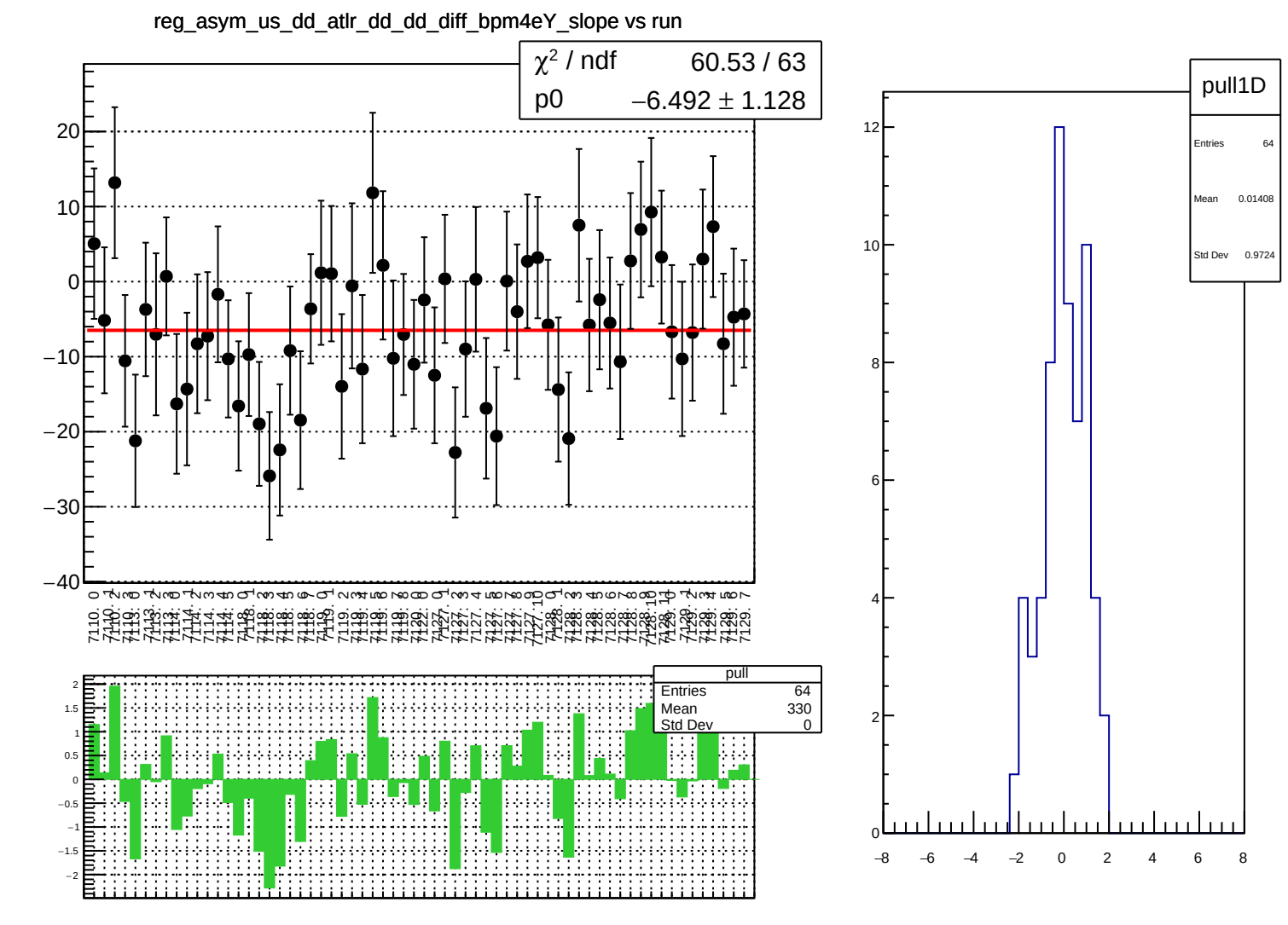

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 99.29 / 63
p0 0.01753 ± 1.336
pull
Entries 64
Mean 65.22
Std Dev 0

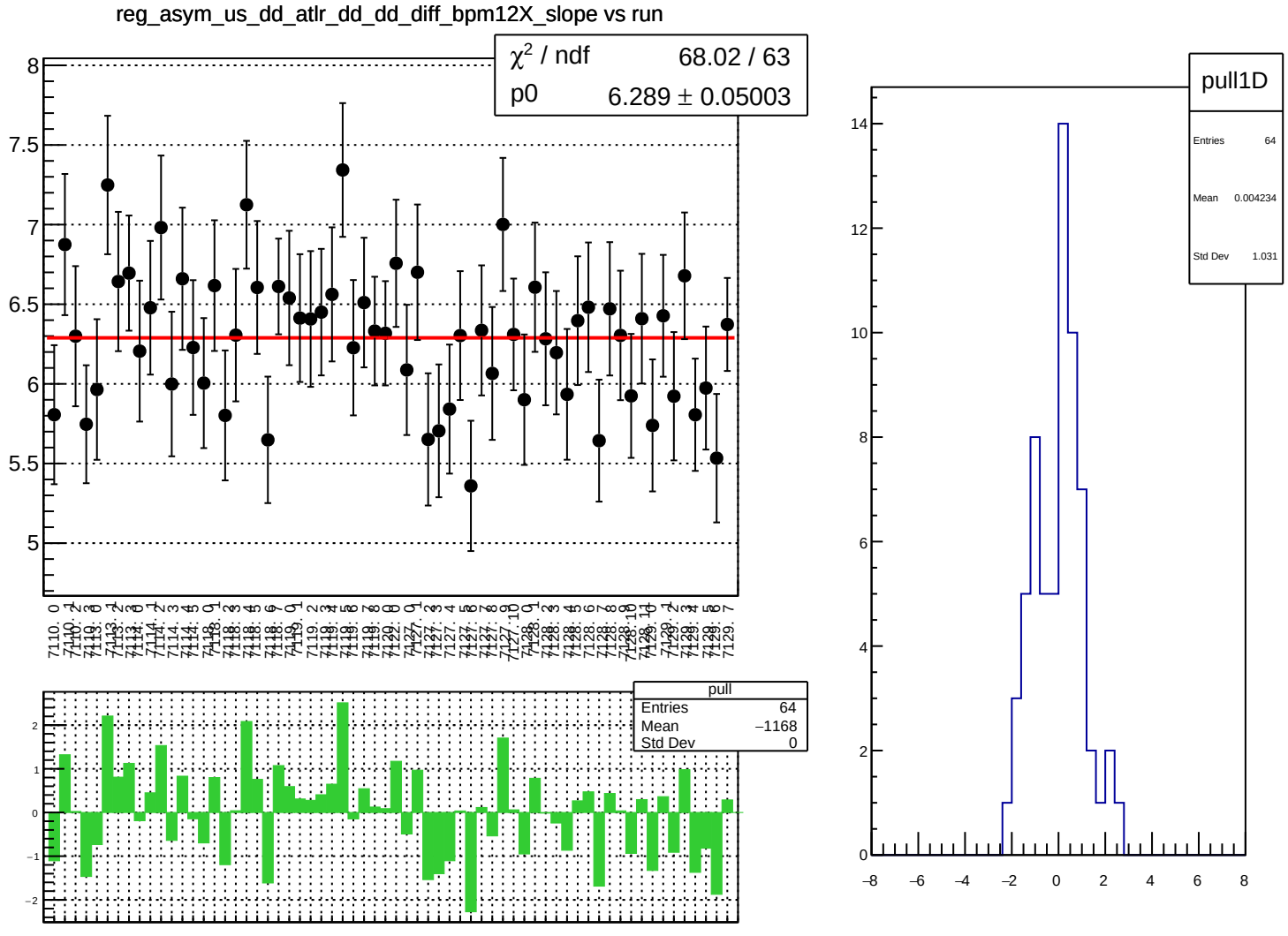

pull1D
Entries 64
Mean 0.1355
Std Dev 1.238

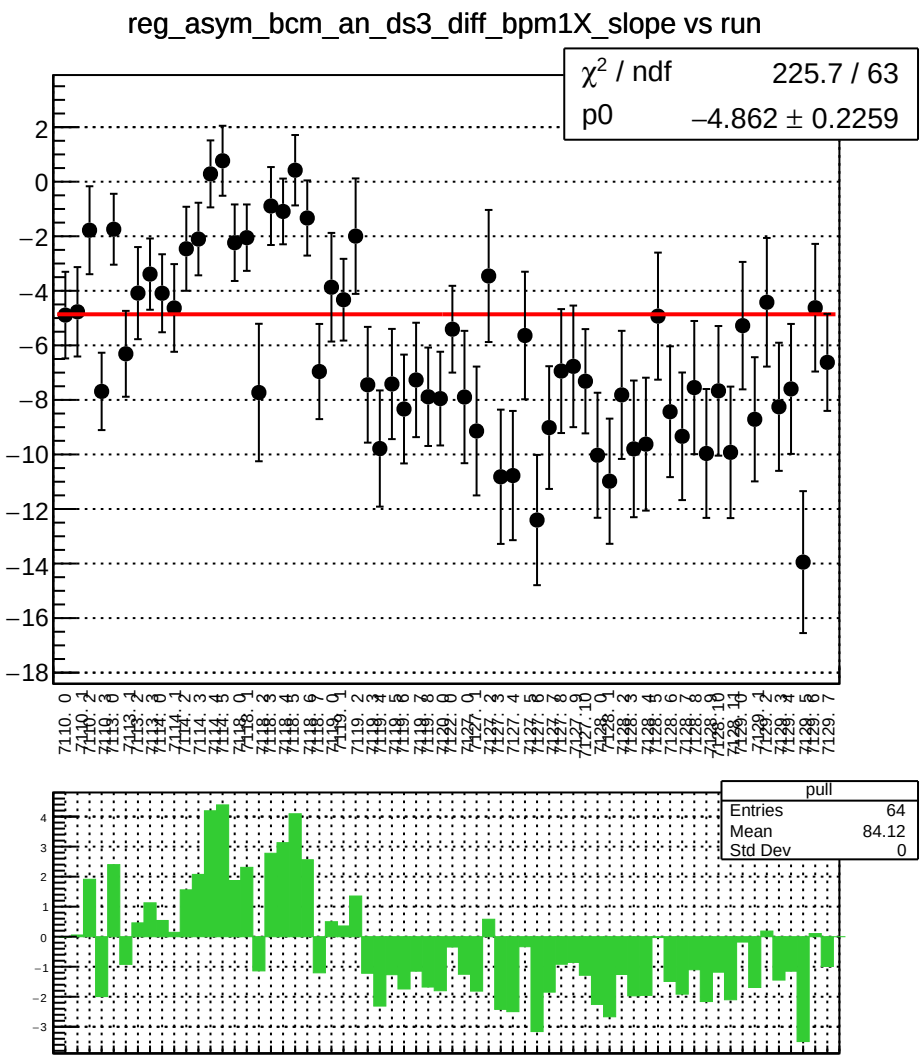

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.24 / 63
p0 3.315 ± 1.07
pull
Entries 64
Mean 363.8
Std Dev 0

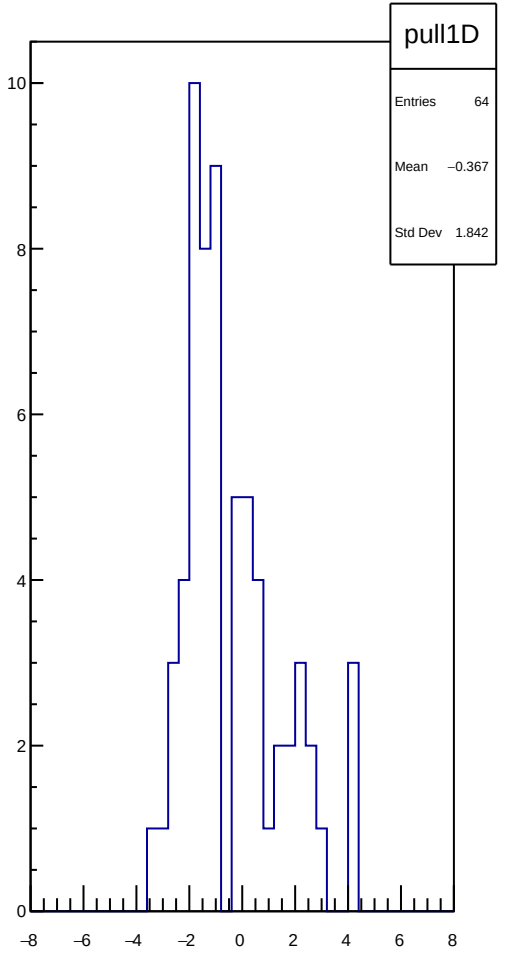

pull1D
Entries 64
Mean −0.01218
Std Dev 0.9782

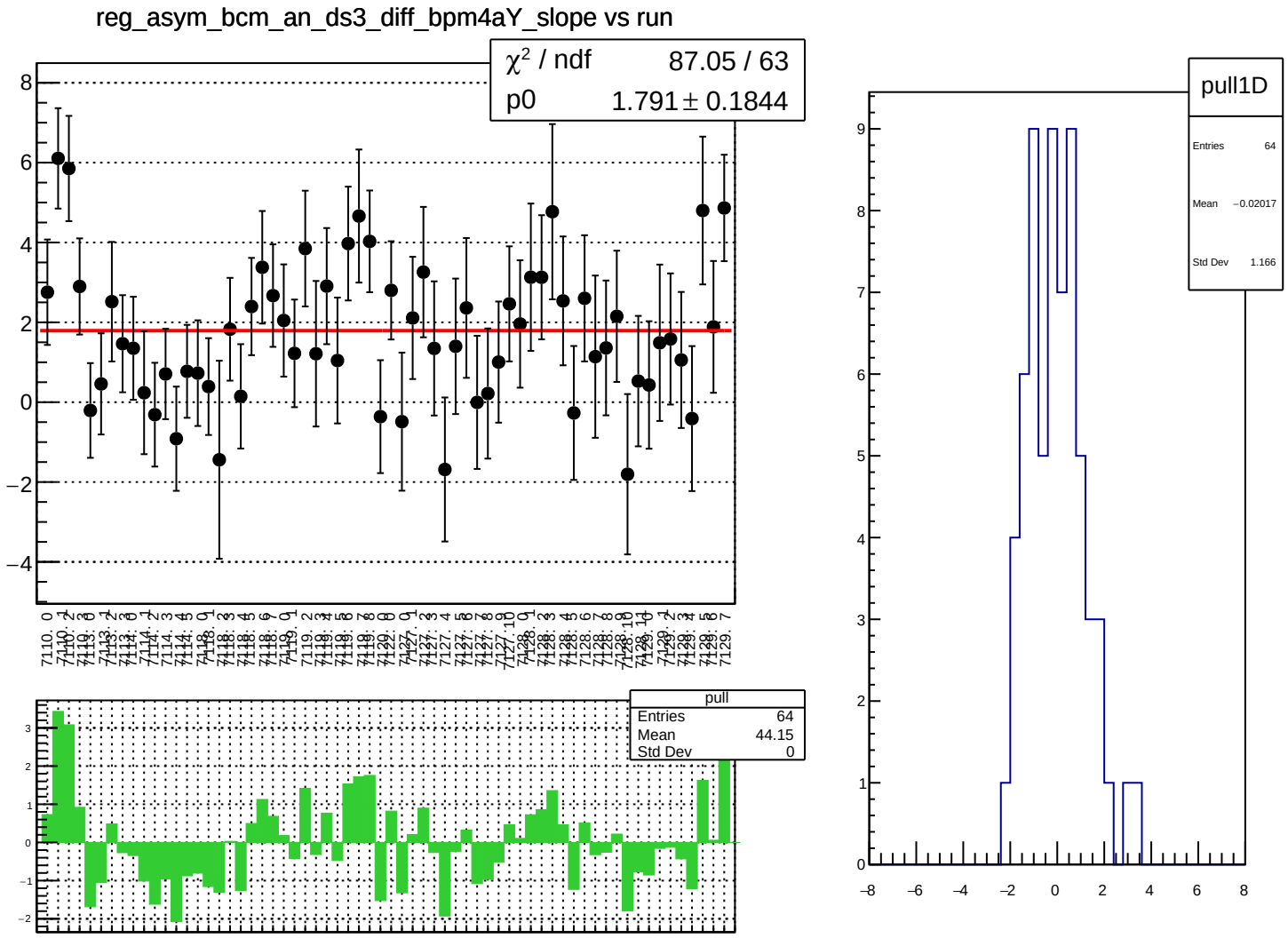

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 101.7 / 63
p0 −42.64 ± 1.327
pull
Entries 64
Mean 65.61
Std Dev 0
pull1D
Entries 64
Mean −0.1405
Std Dev 1.253

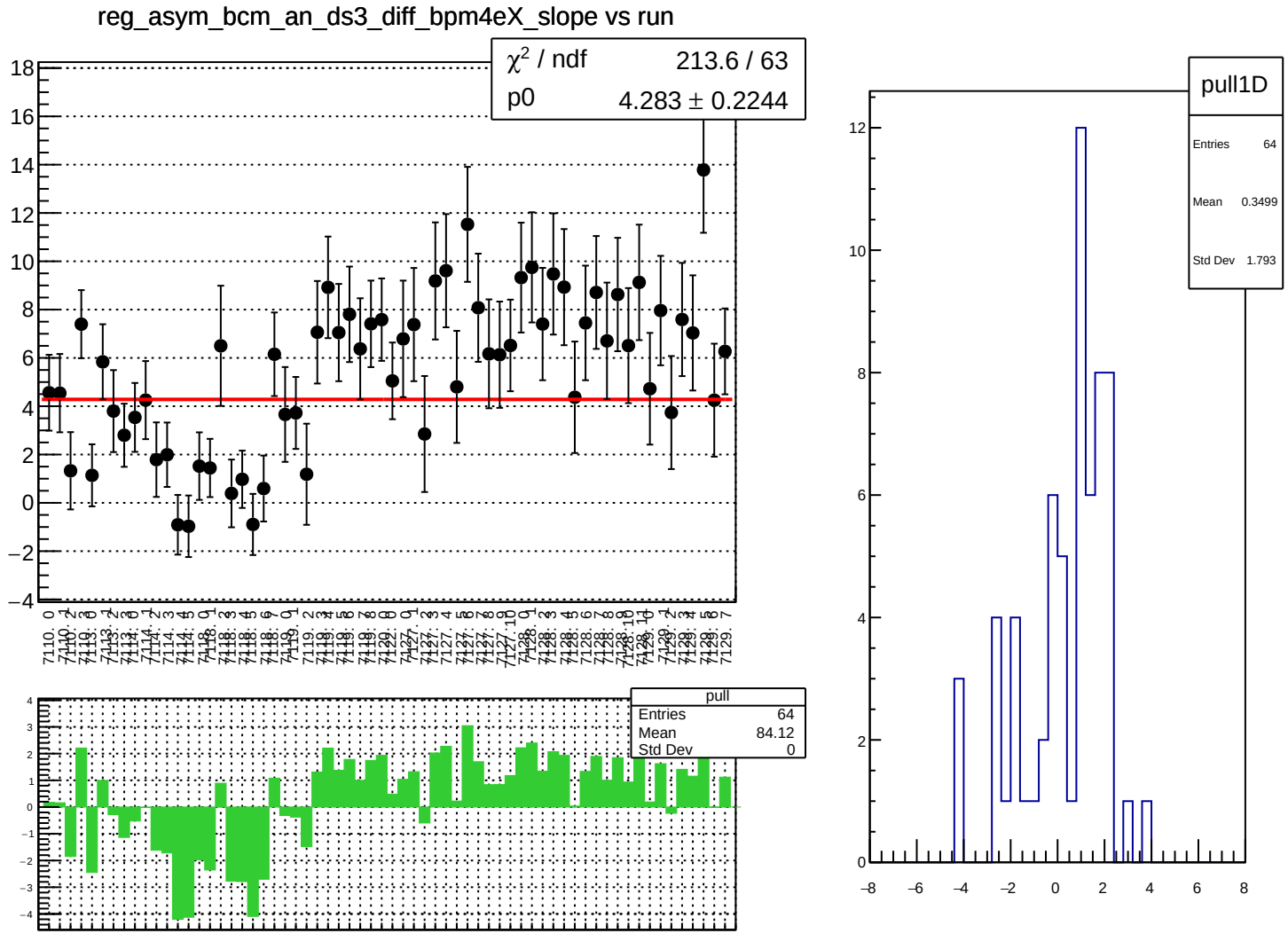

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.53 / 63
p0 −6.492 ± 1.128
pull
Entries 64
Mean 330
Std Dev 0
pull1D
Entries 64
Mean 0.01408
Std Dev 0.9724

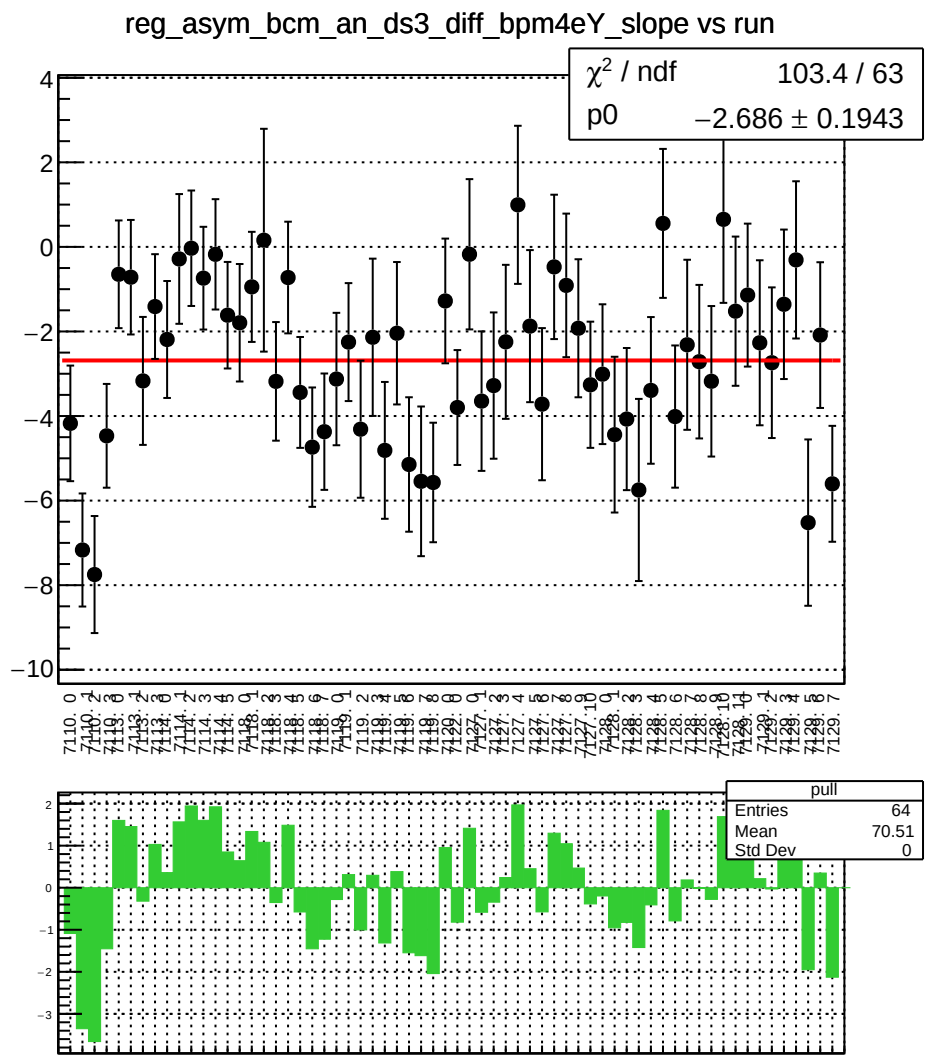

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 68.02 / 63
p0 6.289 ± 0.05003
pull
Entries 64
Mean −1168
Std Dev 0
pull1D
Entries 64
Mean 0.004234
Std Dev 1.031

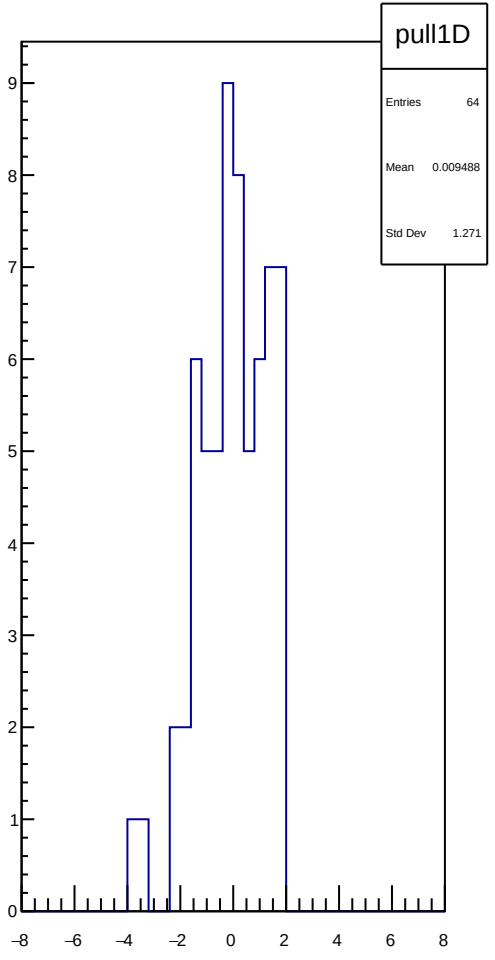

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 225.7 / 63
p0 −4.862 ± 0.2259
pull
Entries 64
Mean 84.12
Std Dev 0

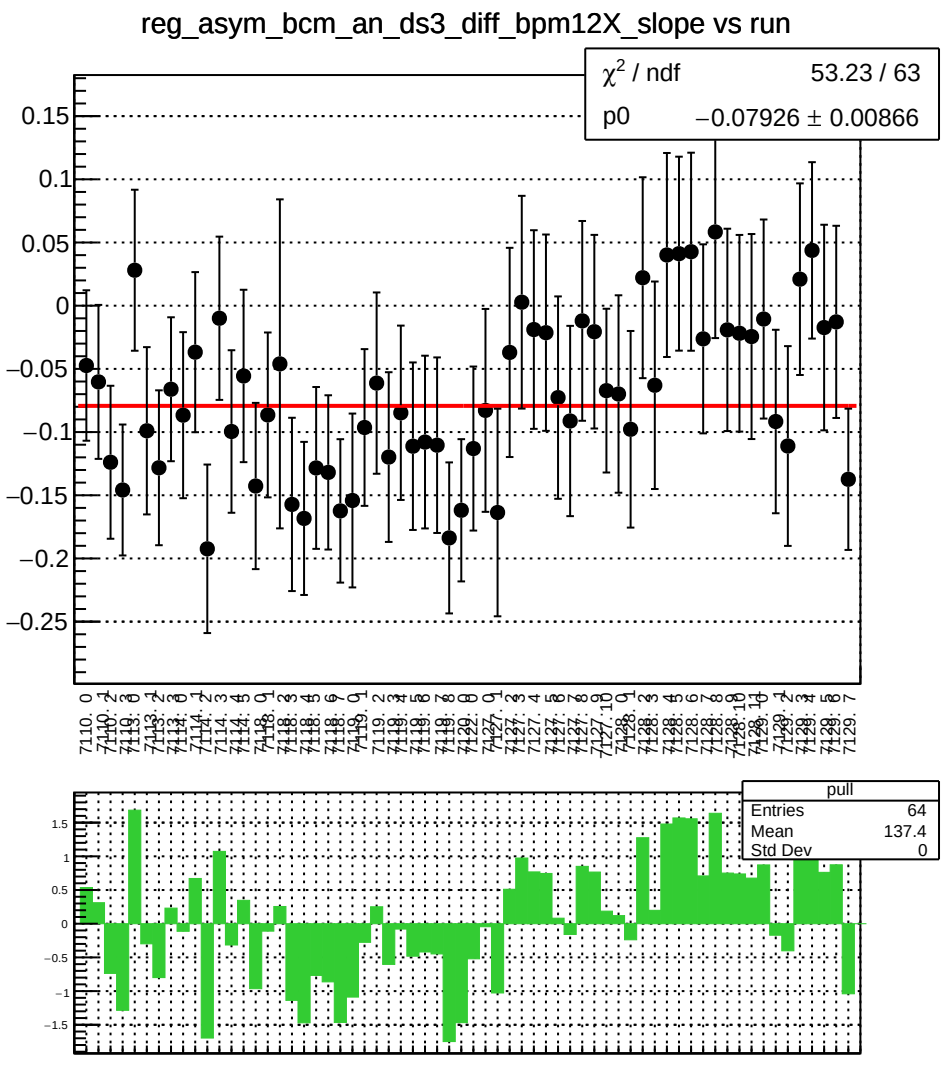

pull1D
Entries 64
Mean −0.367
Std Dev 1.842

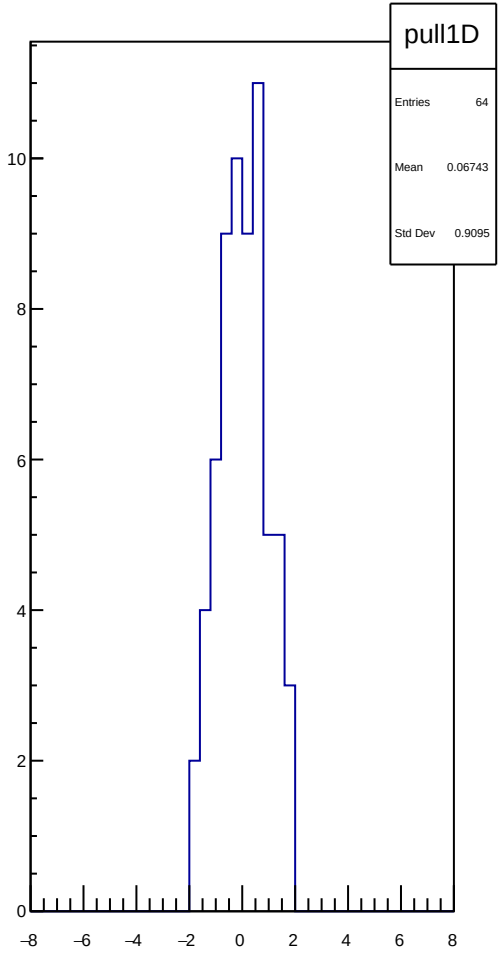

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 87.05 / 63
p0 1.791 ± 0.1844
pull
Entries 64
Mean 44.15
Std Dev 0
pull1D
Entries 64
Mean −0.02017
Std Dev 1.166

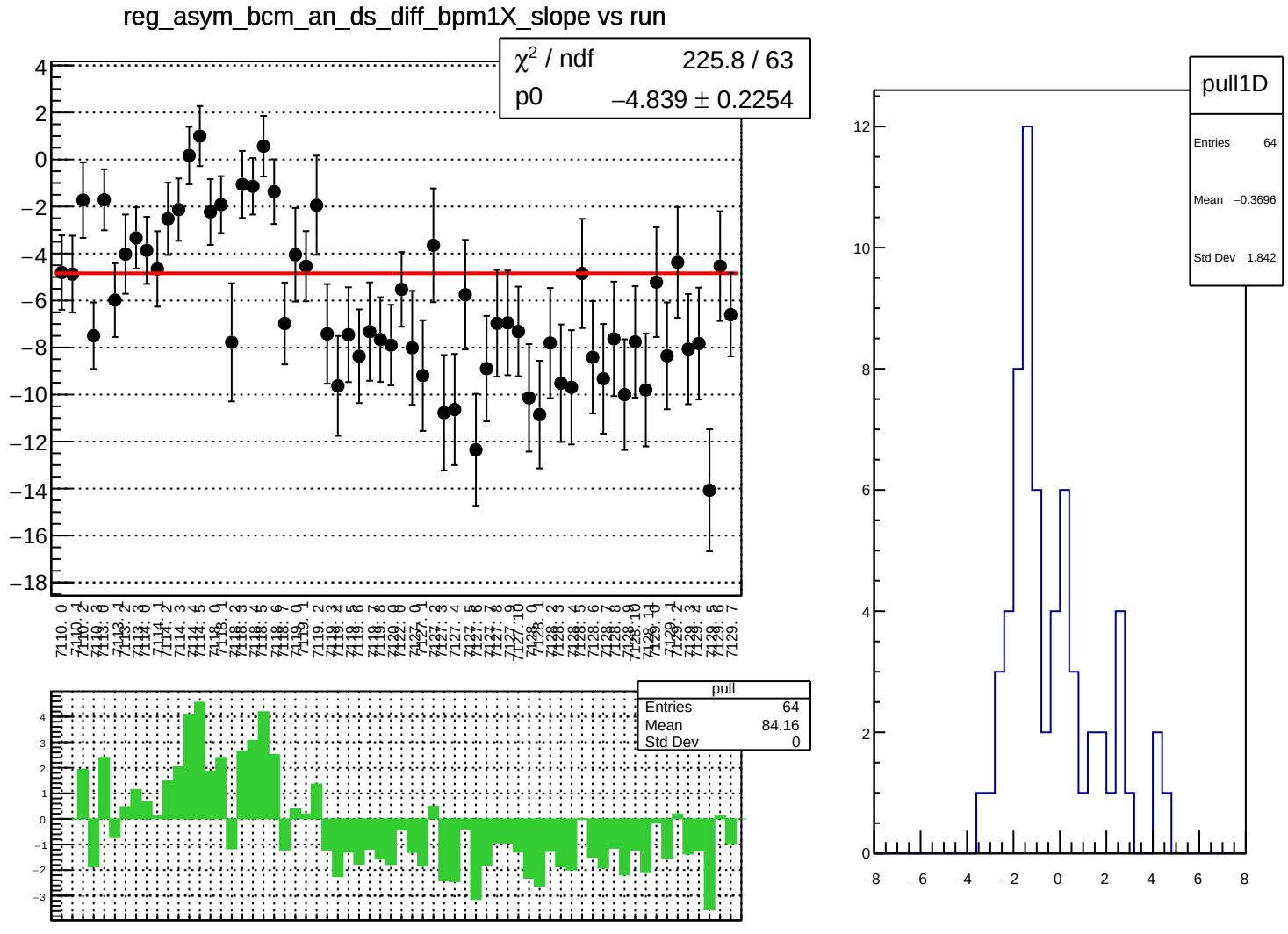

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 213.6 / 63
p0 4.283 ± 0.2244
pull
Entries 64
Mean 84.12
Std Dev 0
pull1D
Entries 64
Mean 0.3499
Std Dev 1.793

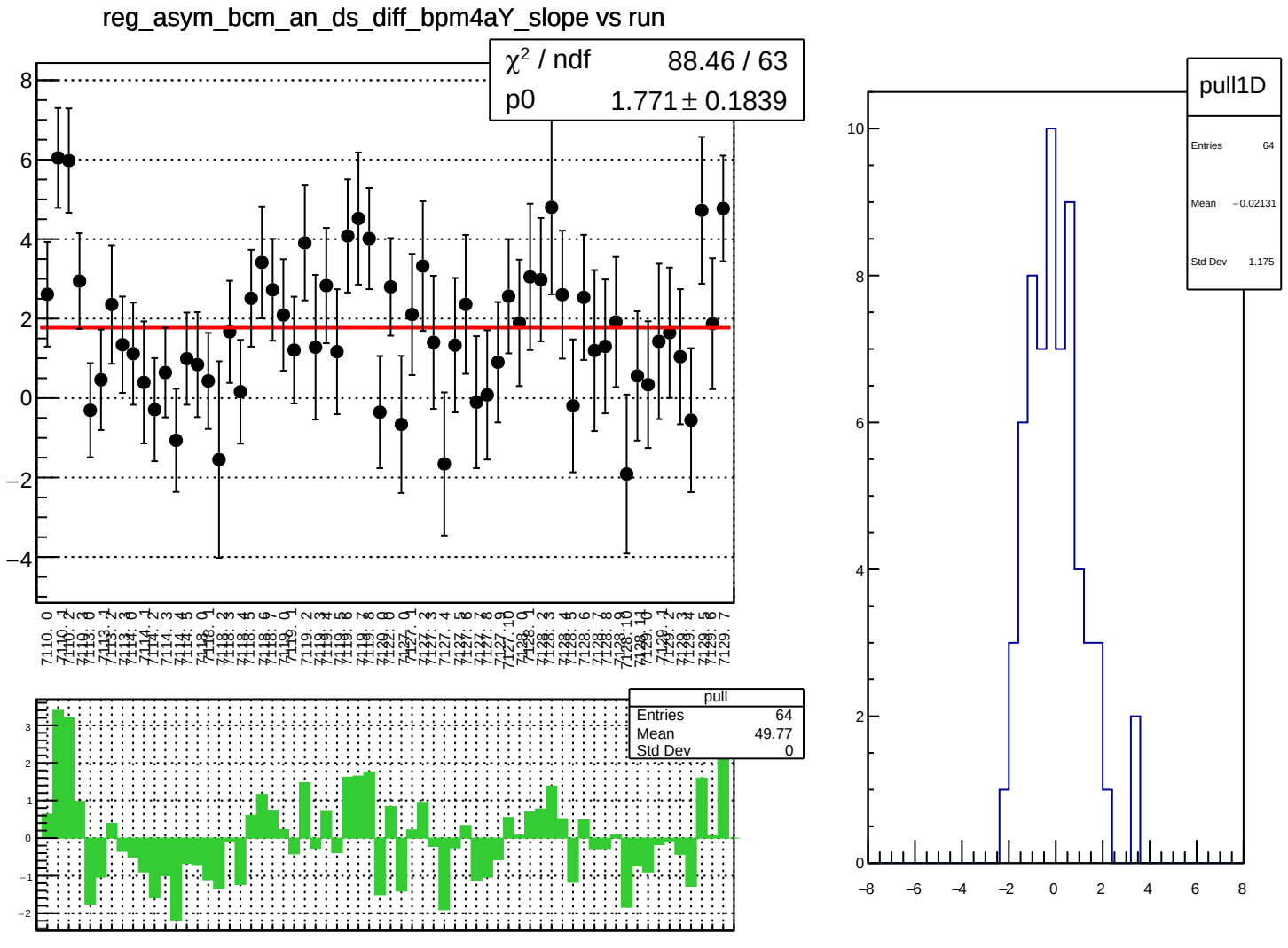

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 103.4 / 63
p0 −2.686 ± 0.1943
pull
Entries 64
Mean 70.51
Std Dev 0

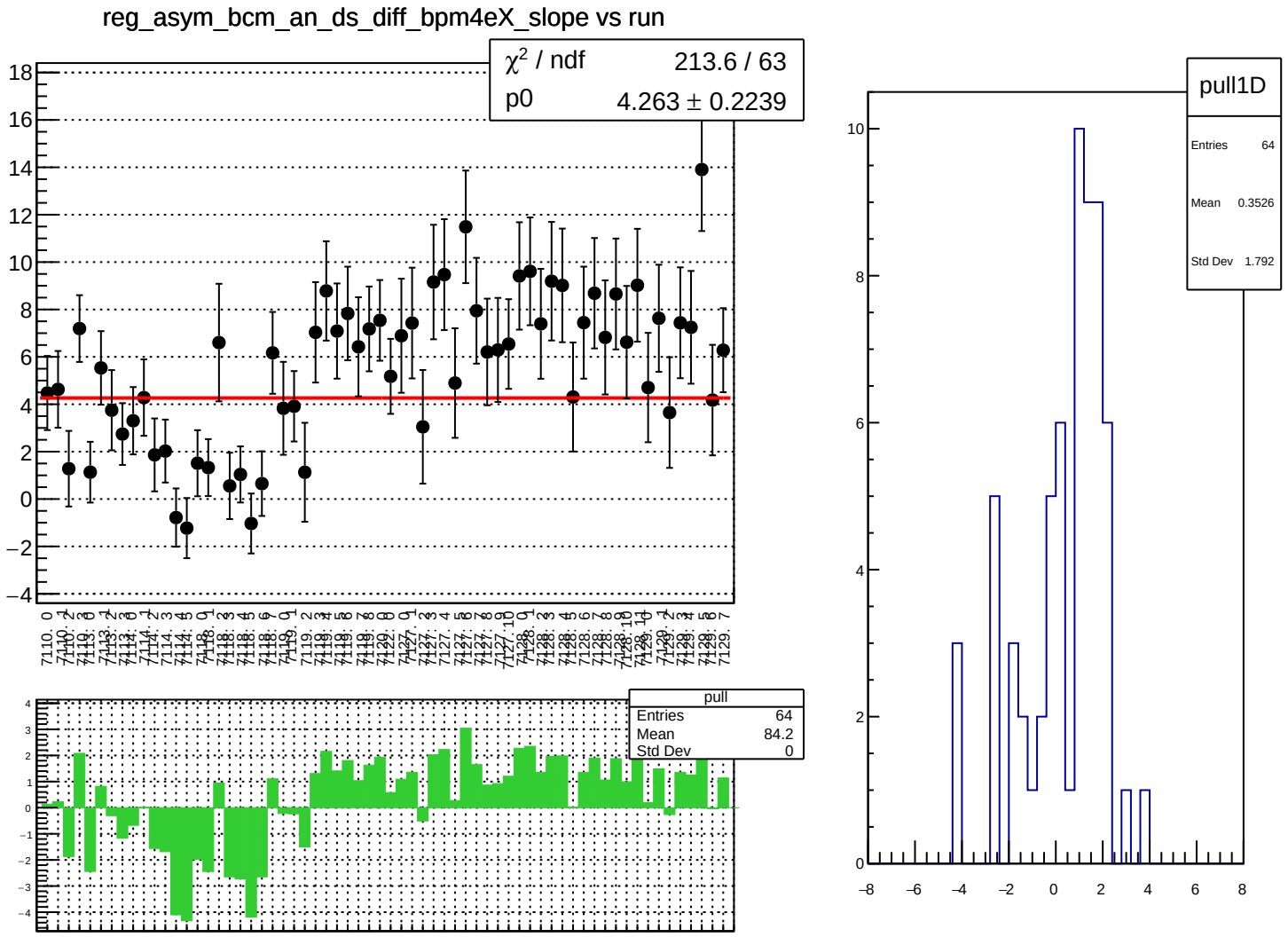

pull1D
Entries 64
Mean 0.009488
Std Dev 1.271

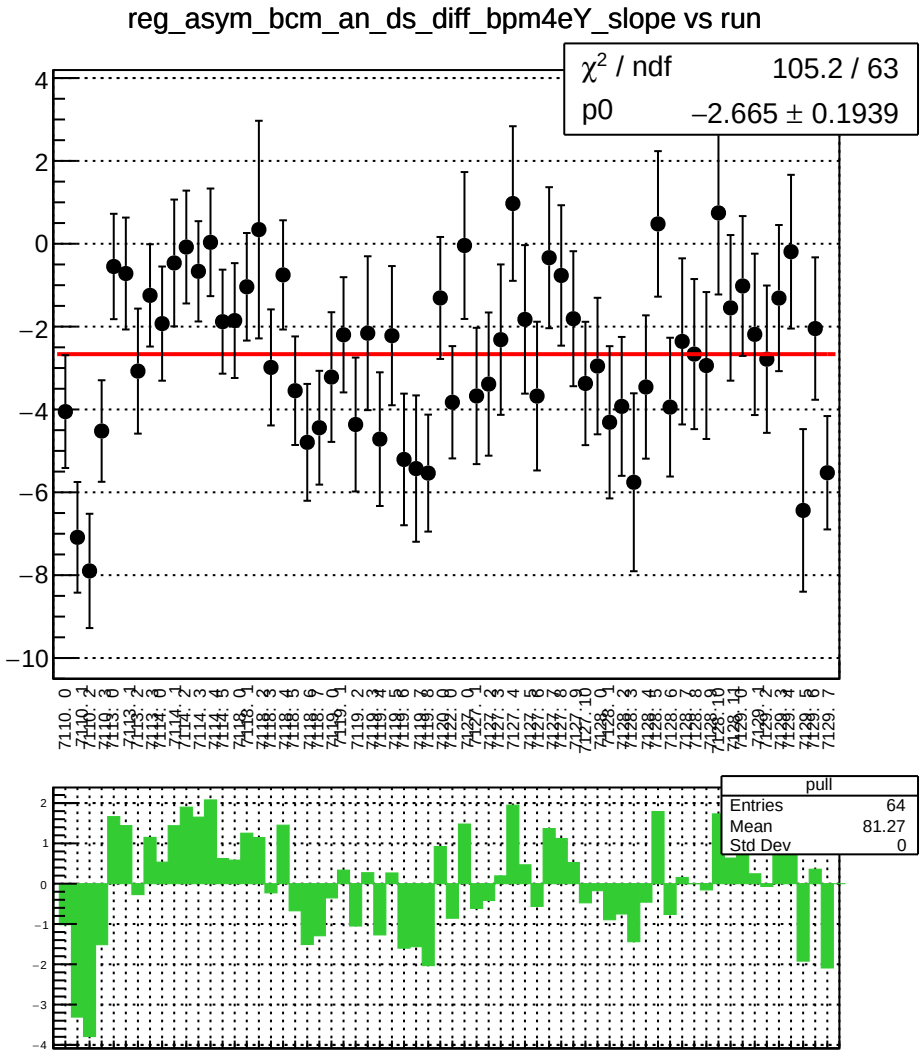

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 53.23 / 63
p0 −0.07926 ± 0.00866
pull
Entries 64
Mean 137.4
Std Dev 0

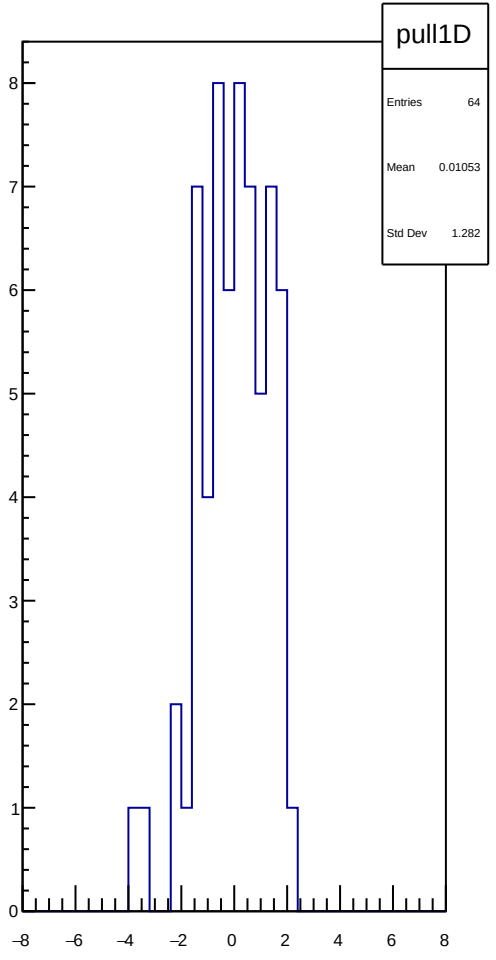

pull1D
Entries 64
Mean 0.06743
Std Dev 0.9095

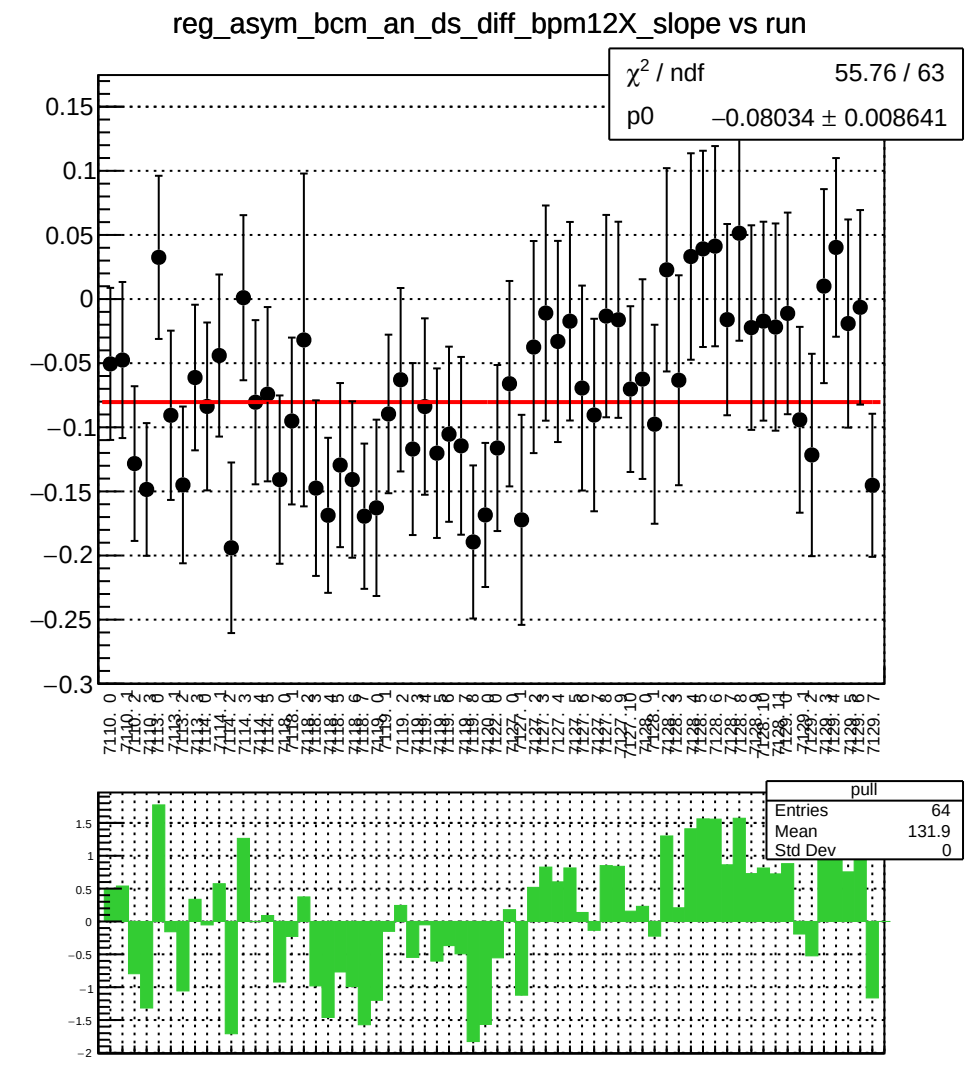

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 225.8 / 63
p0 −4.839 ± 0.2254
pull
Entries 64
Mean 84.16
Std Dev 0
pull1D
Entries 64
Mean −0.3696
Std Dev 1.842

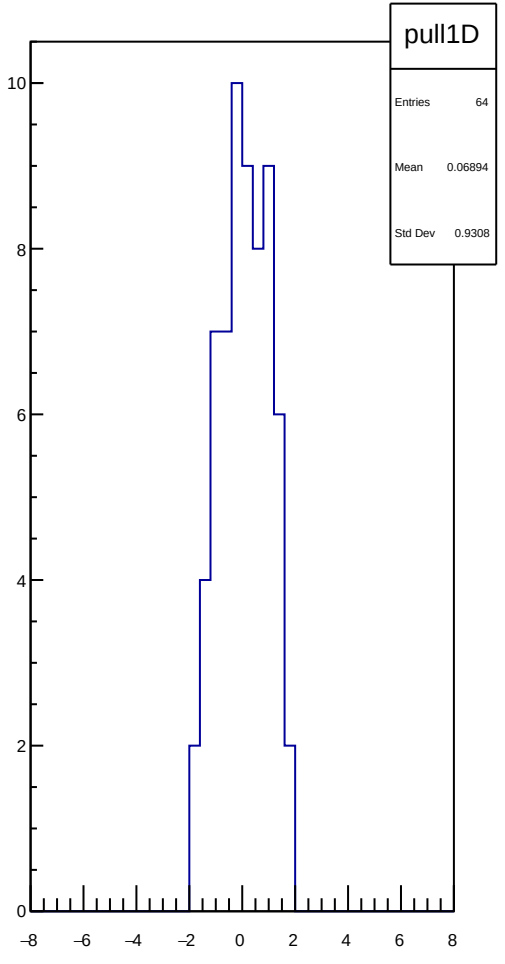

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 88.46 / 63
p0 1.771 ± 0.1839
pull
Entries 64
Mean 49.77
Std Dev 0
pull1D
Entries 64
Mean −0.02131
Std Dev 1.175

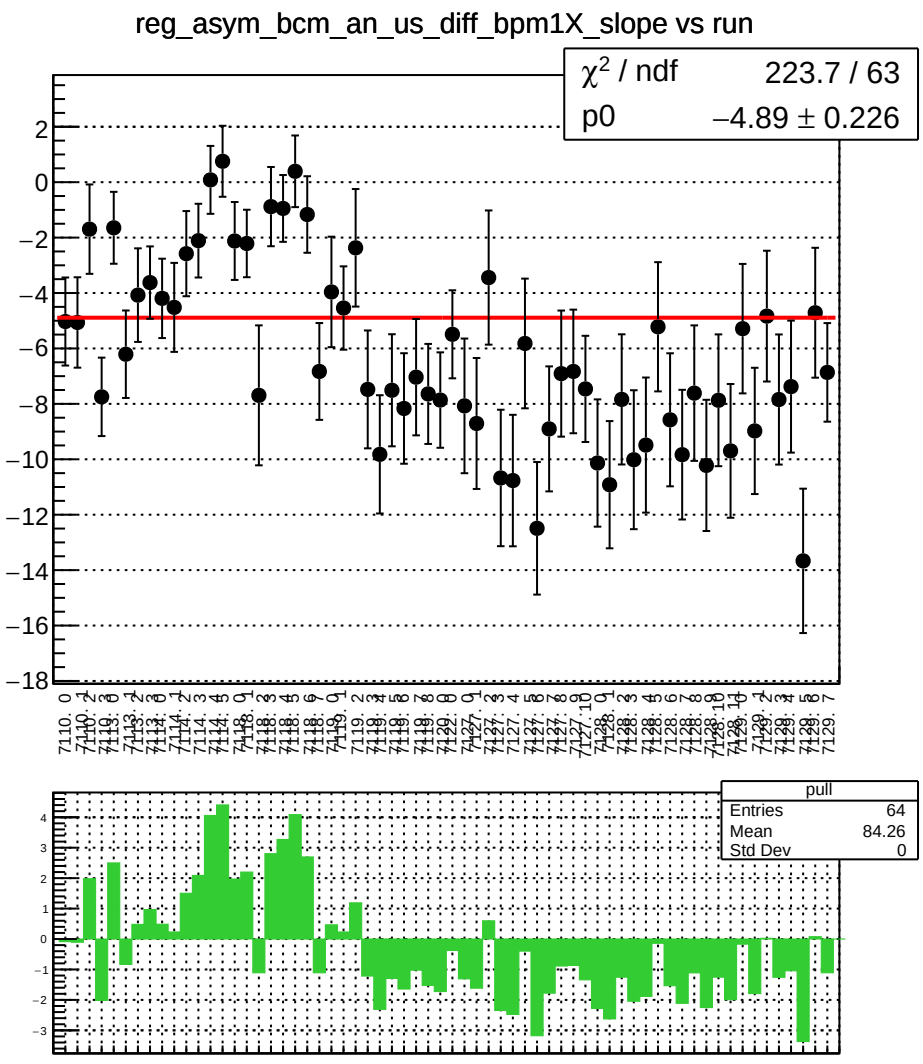

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 213.6 / 63
p0 4.263 ± 0.2239
pull
Entries 64
Mean 84.2
Std Dev 0
pull1D
Entries 64
Mean 0.3526
Std Dev 1.792

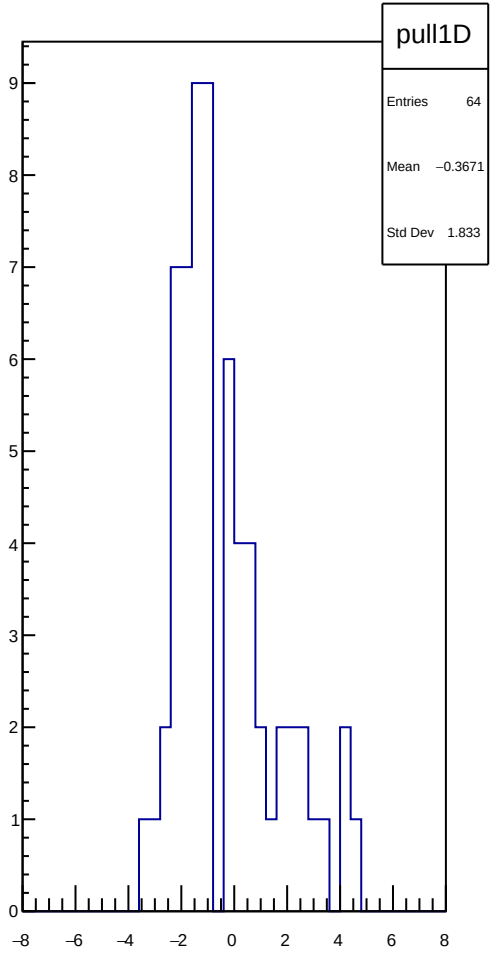

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 105.2 / 63
p0 −2.665 ± 0.1939
pull
Entries 64
Mean 81.27
Std Dev 0

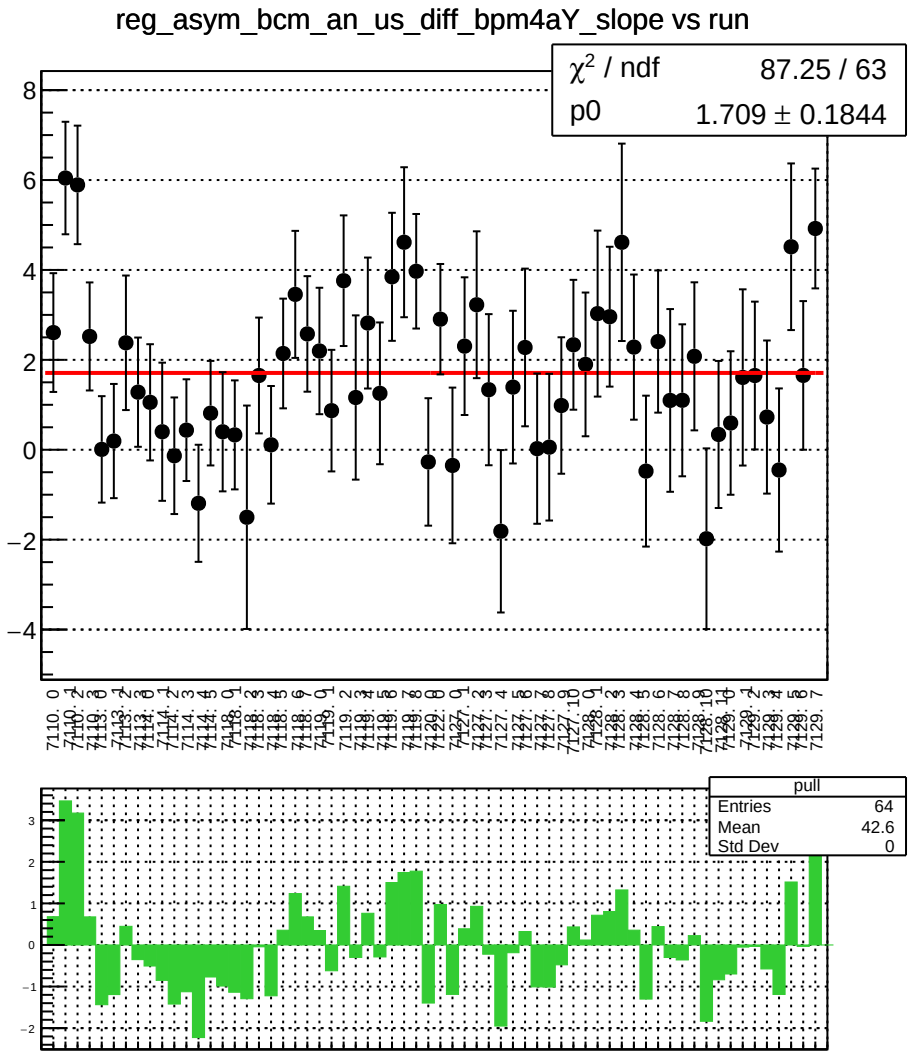

pull1D
Entries 64
Mean 0.01053
Std Dev 1.282

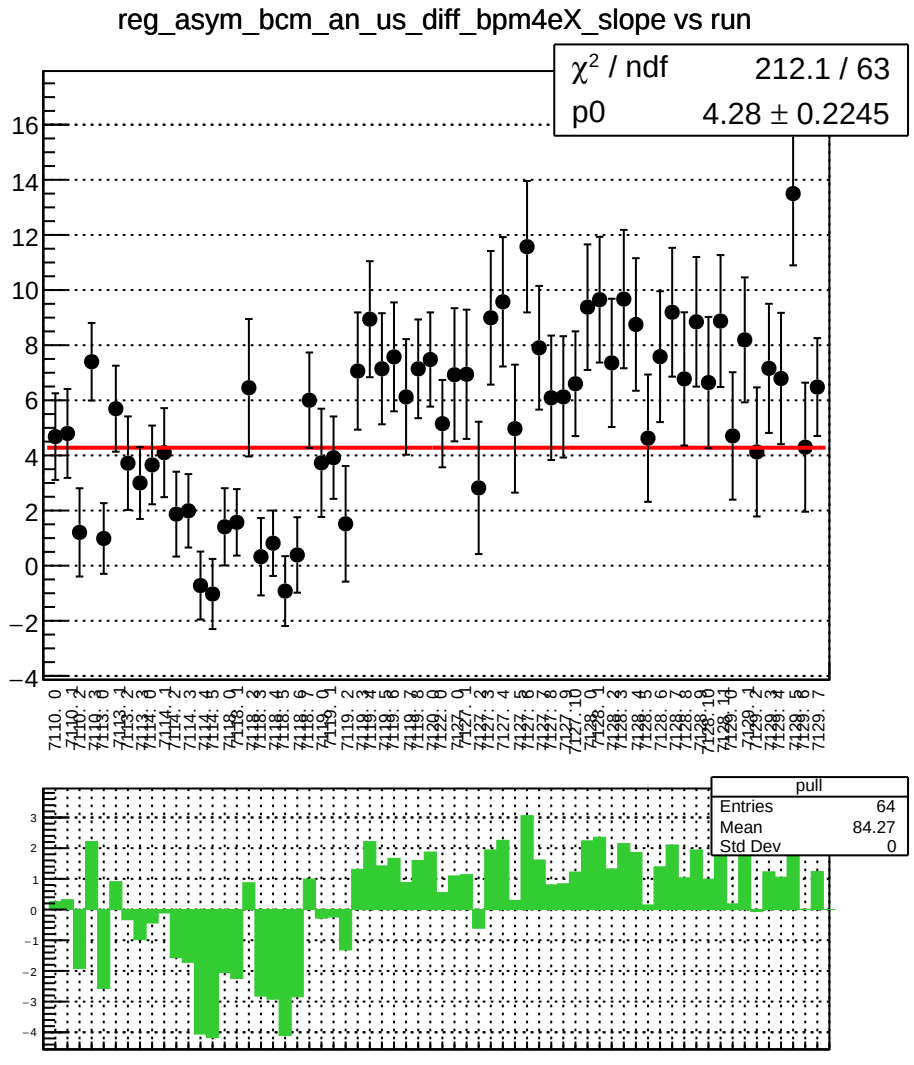

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 55.76 / 63
p0 −0.08034 ± 0.008641
pull
Entries 64
Mean 131.9
Std Dev 0

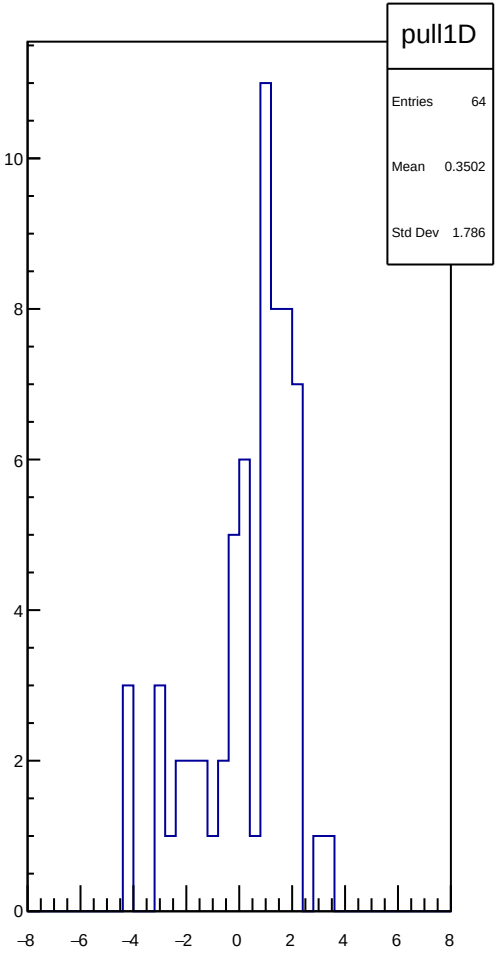

pull1D
Entries 64
Mean 0.06894
Std Dev 0.9308

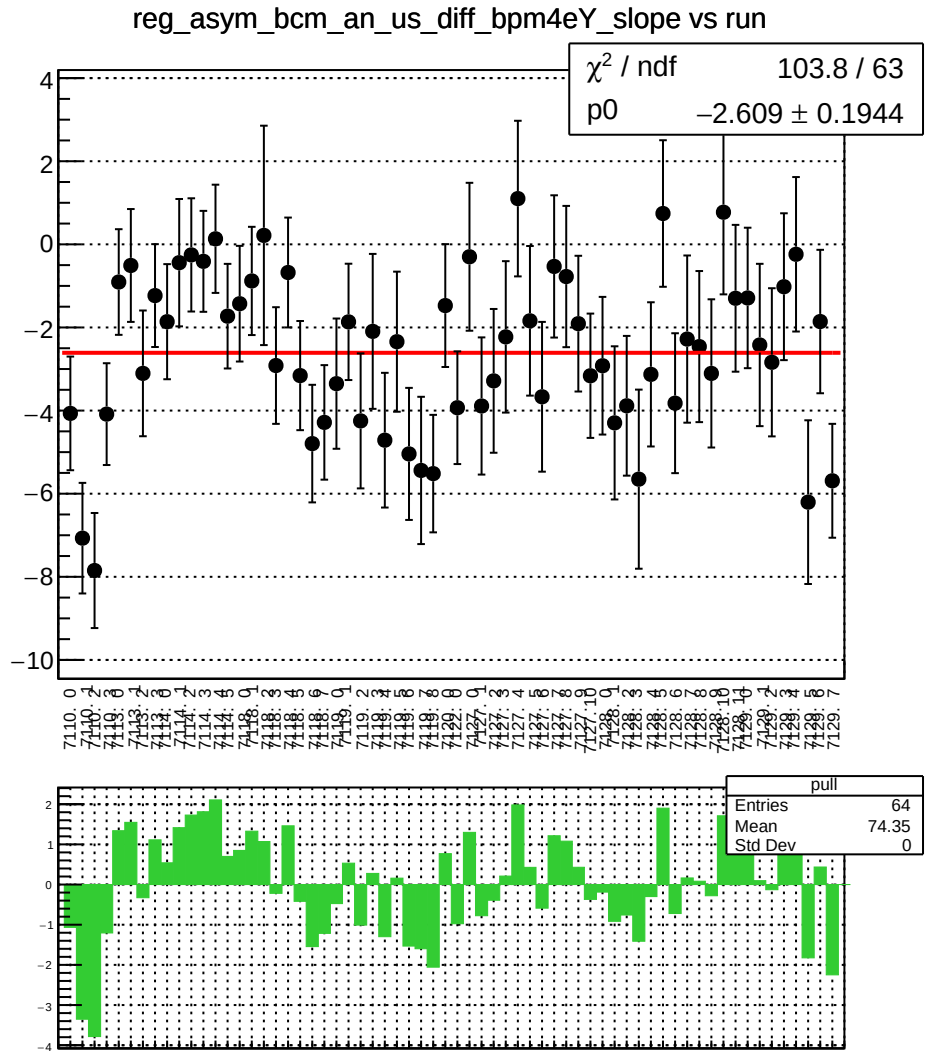

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 223.7 / 63
p0 −4.89 ± 0.226
pull
Entries 64
Mean 84.26
Std Dev 0

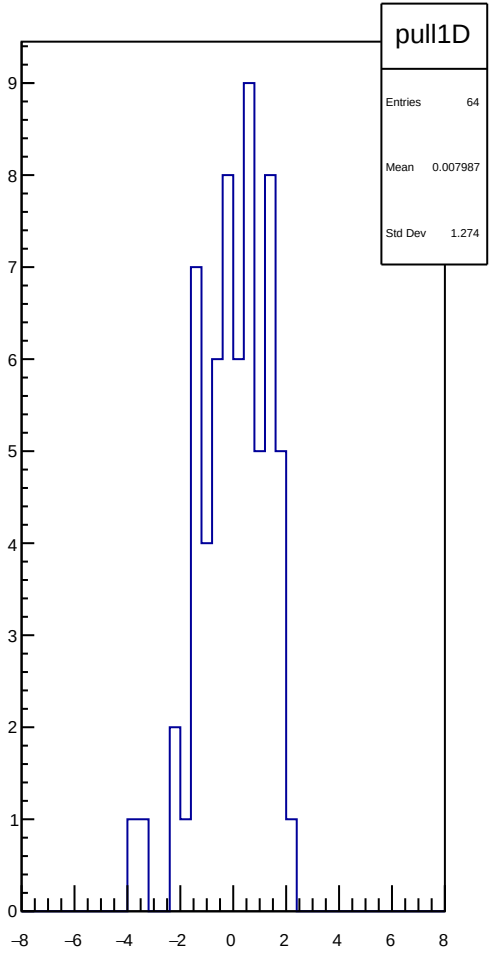

pull1D
Entries 64
Mean −0.3671
Std Dev 1.833

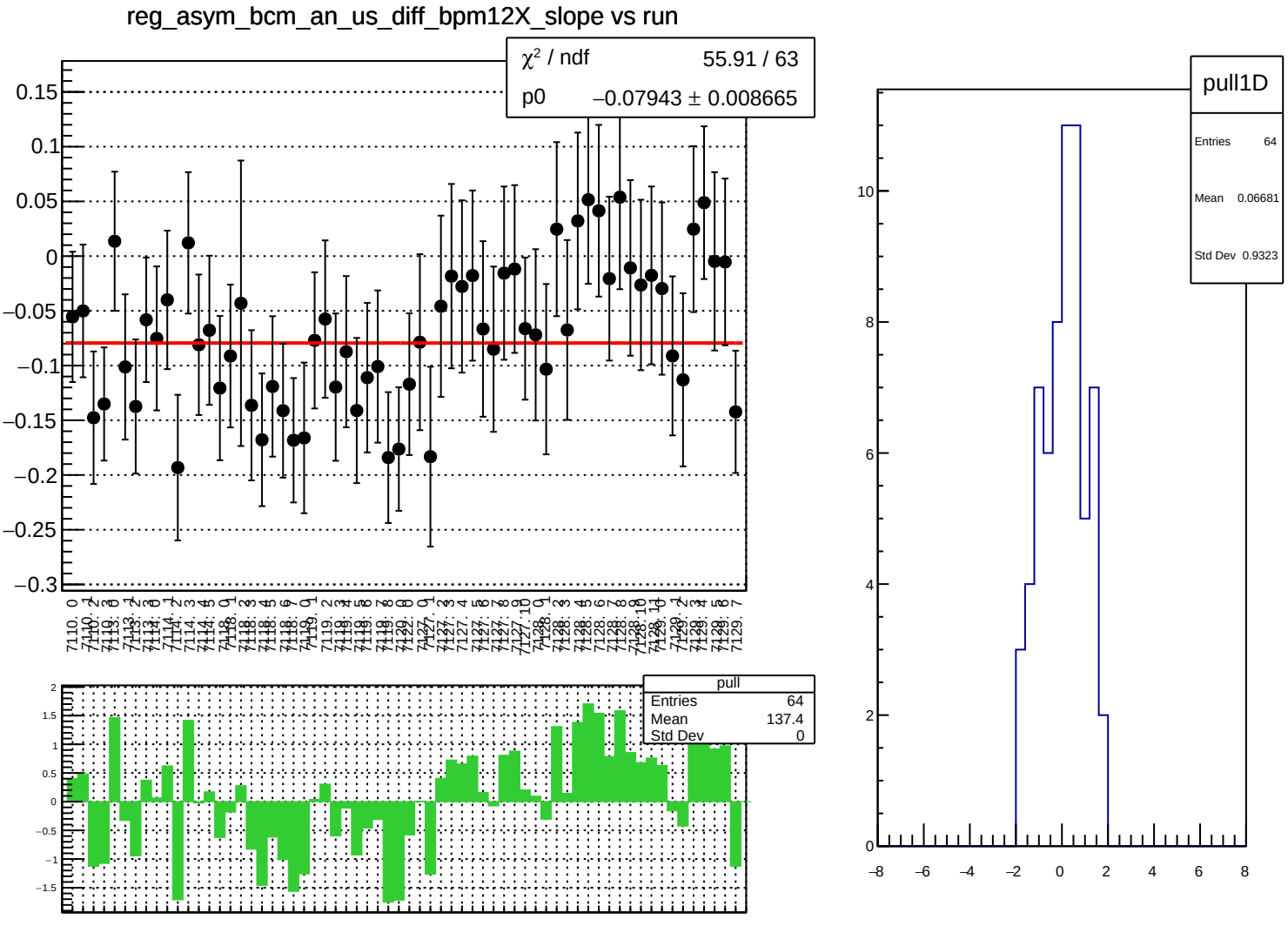

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 87.25 / 63
p0 1.709 ± 0.1844
pull
Entries 64
Mean 42.6
Std Dev 0
pull1D
Entries 64
Mean −0.01923
Std Dev 1.167

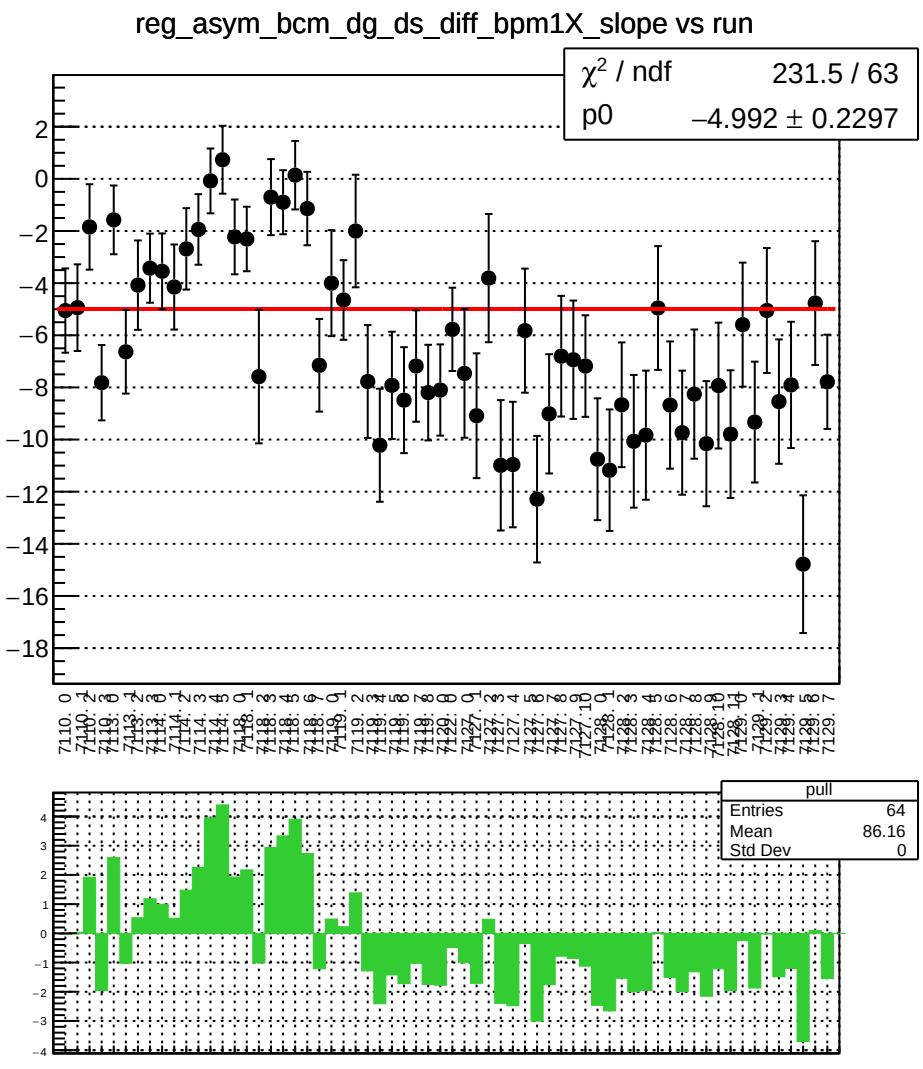

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 212.1 / 63
p0 4.28 ± 0.2245
pull
Entries 64
Mean 84.27
Std Dev 0

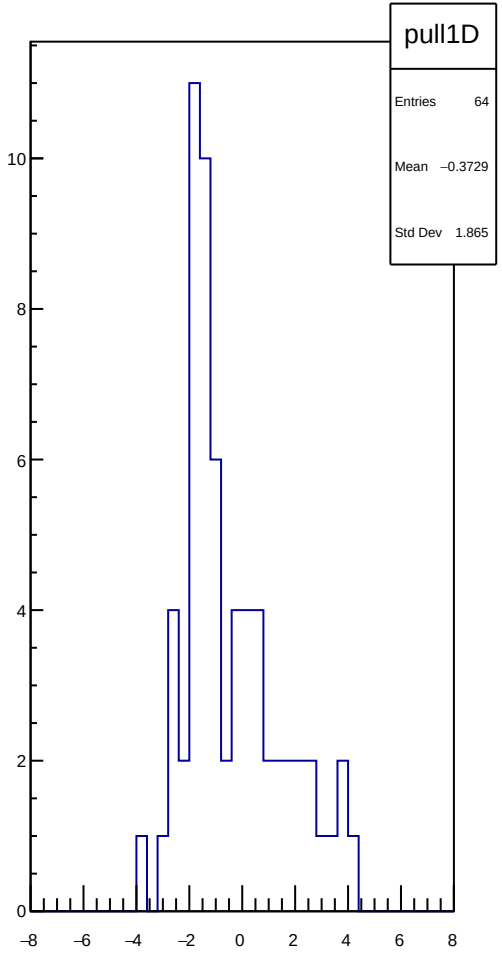

pull1D
Entries 64
Mean 0.3502
Std Dev 1.786

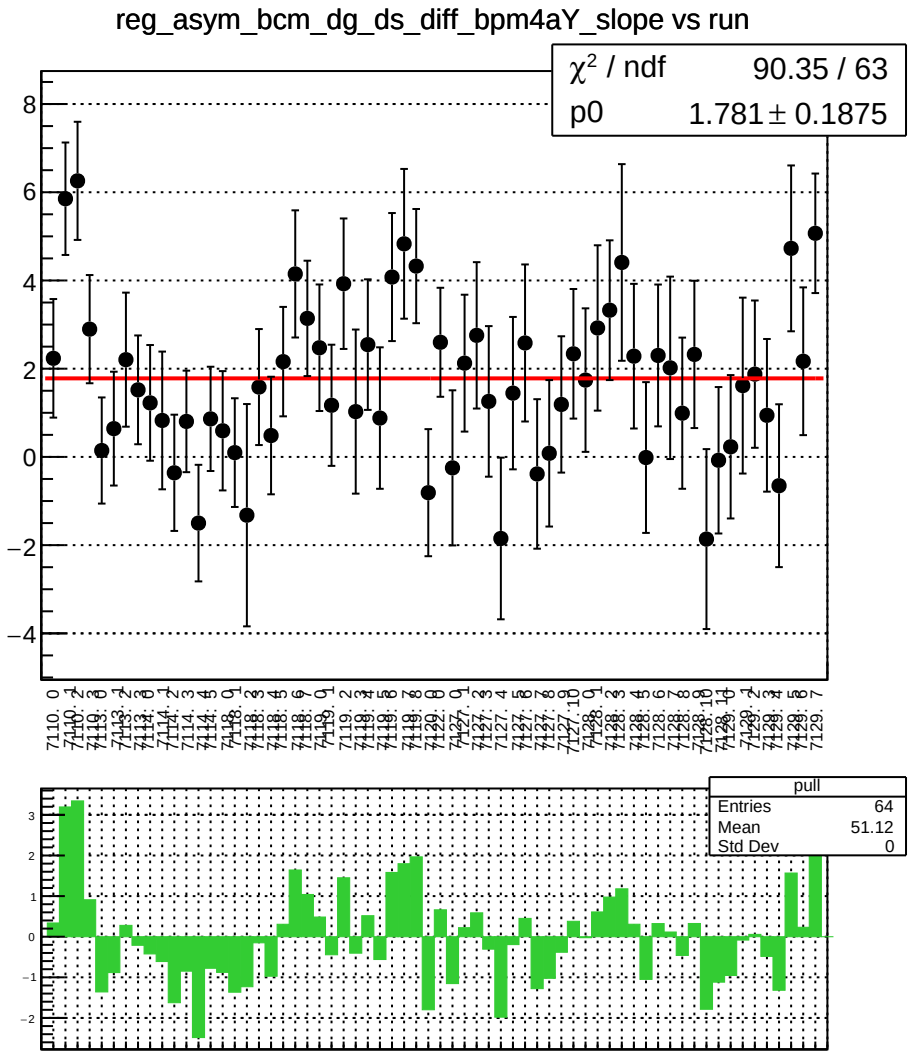

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 103.8 / 63
p0 −2.609 ± 0.1944
pull
Entries 64
Mean 74.35
Std Dev 0

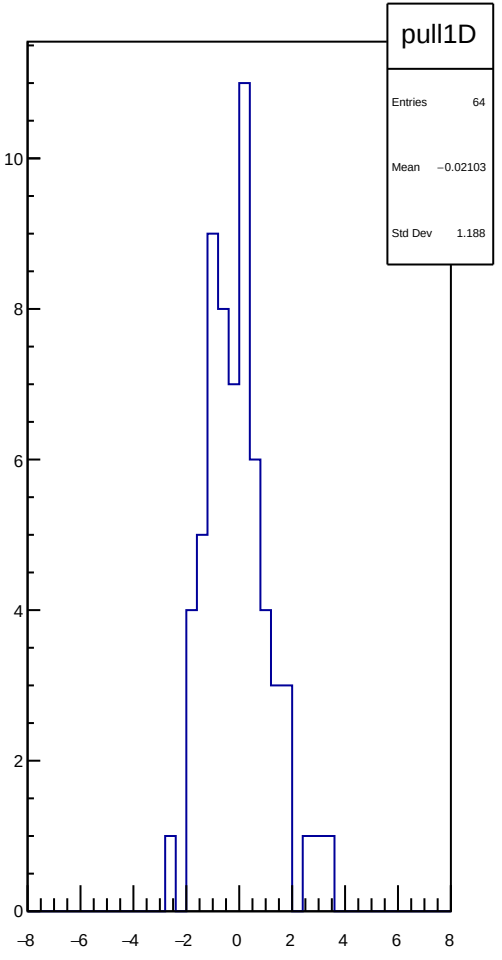

pull1D
Entries 64
Mean 0.007987
Std Dev 1.274

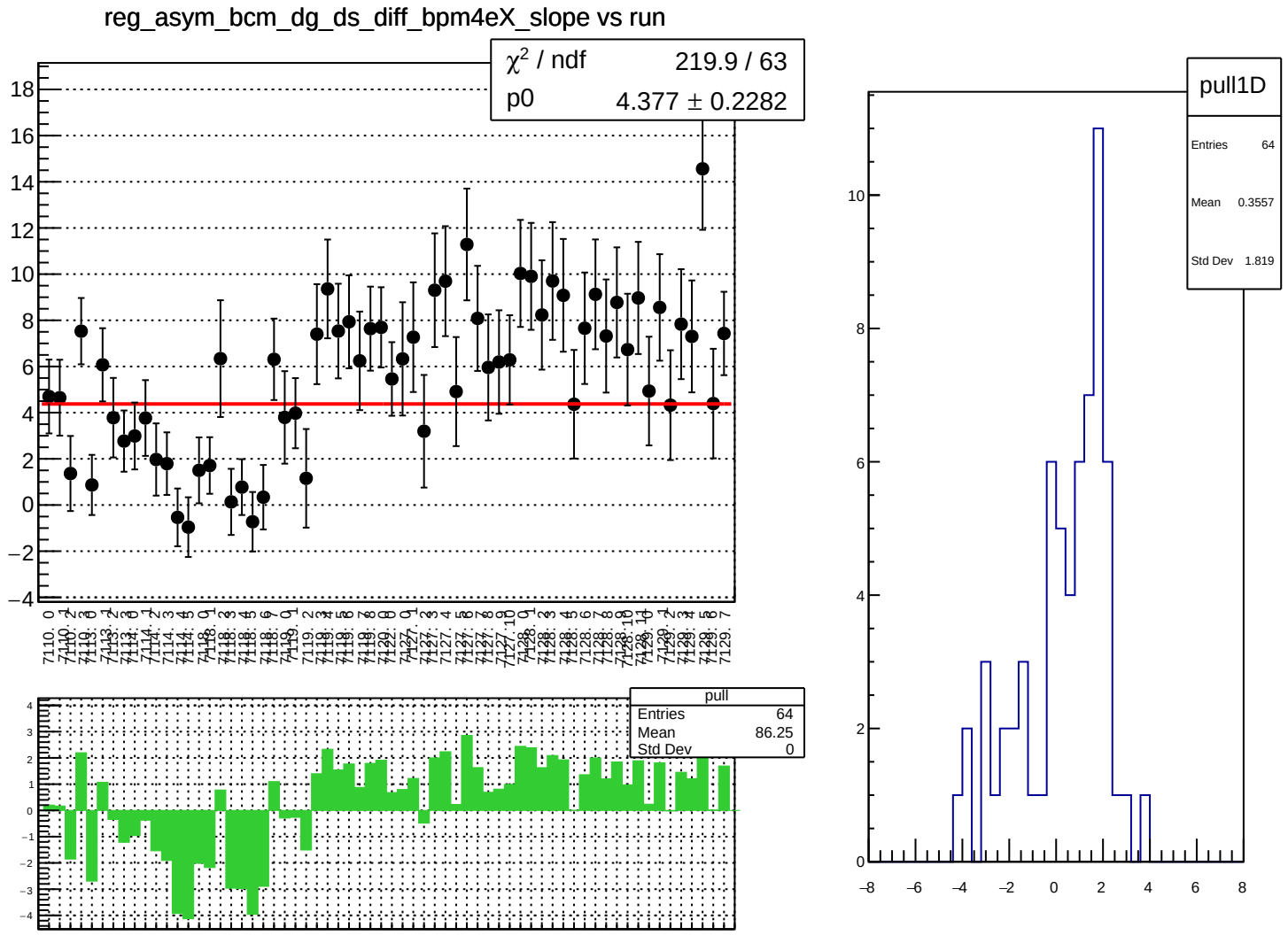

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 55.91 / 63
p0 −0.07943 ± 0.008665
pull
Entries 64
Mean 137.4
Std Dev 0
pull1D
Entries 64
Mean 0.06681
Std Dev 0.9323

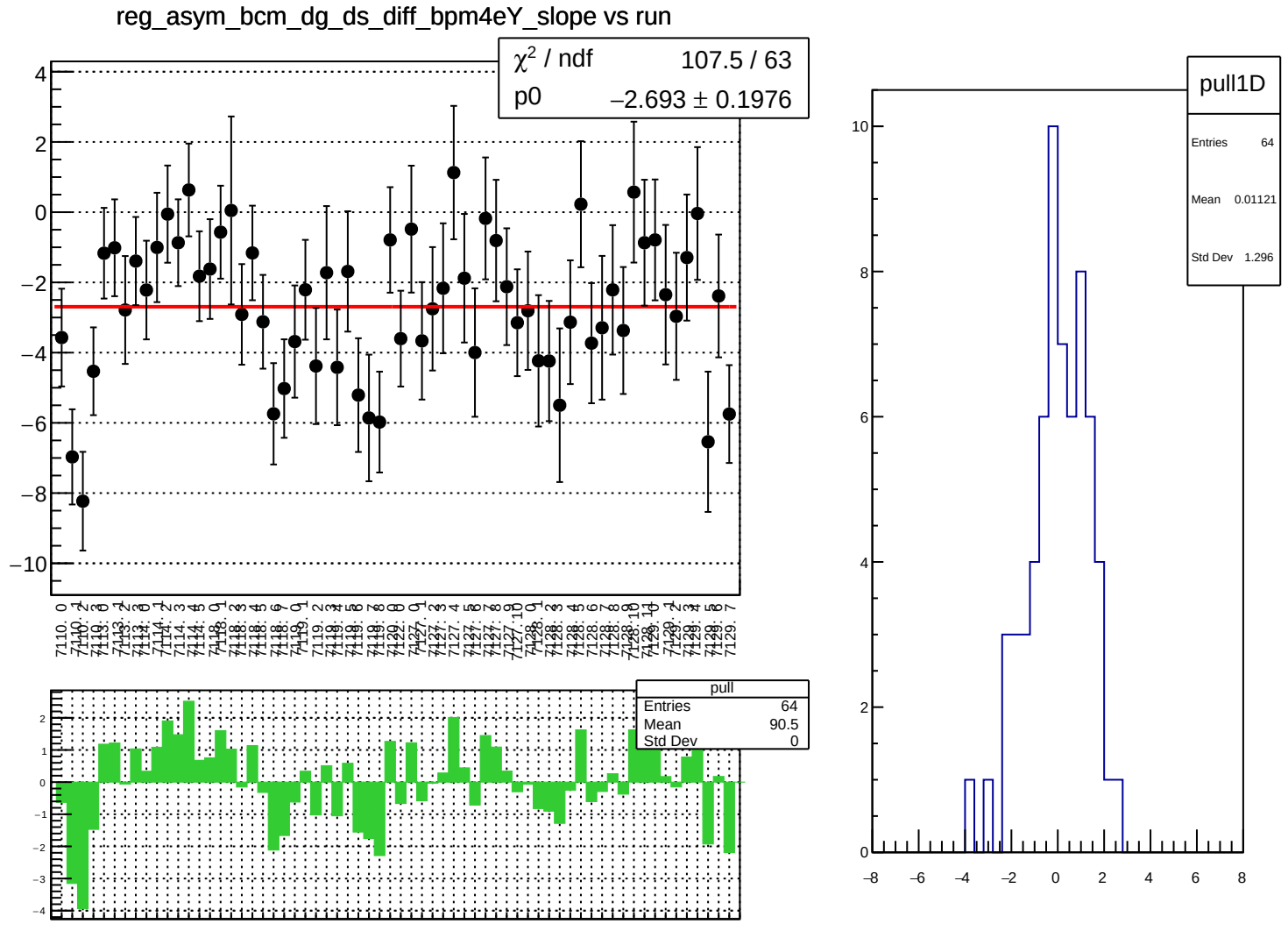

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 231.5 / 63
p0 −4.992 ± 0.2297
pull
Entries 64
Mean 86.16
Std Dev 0

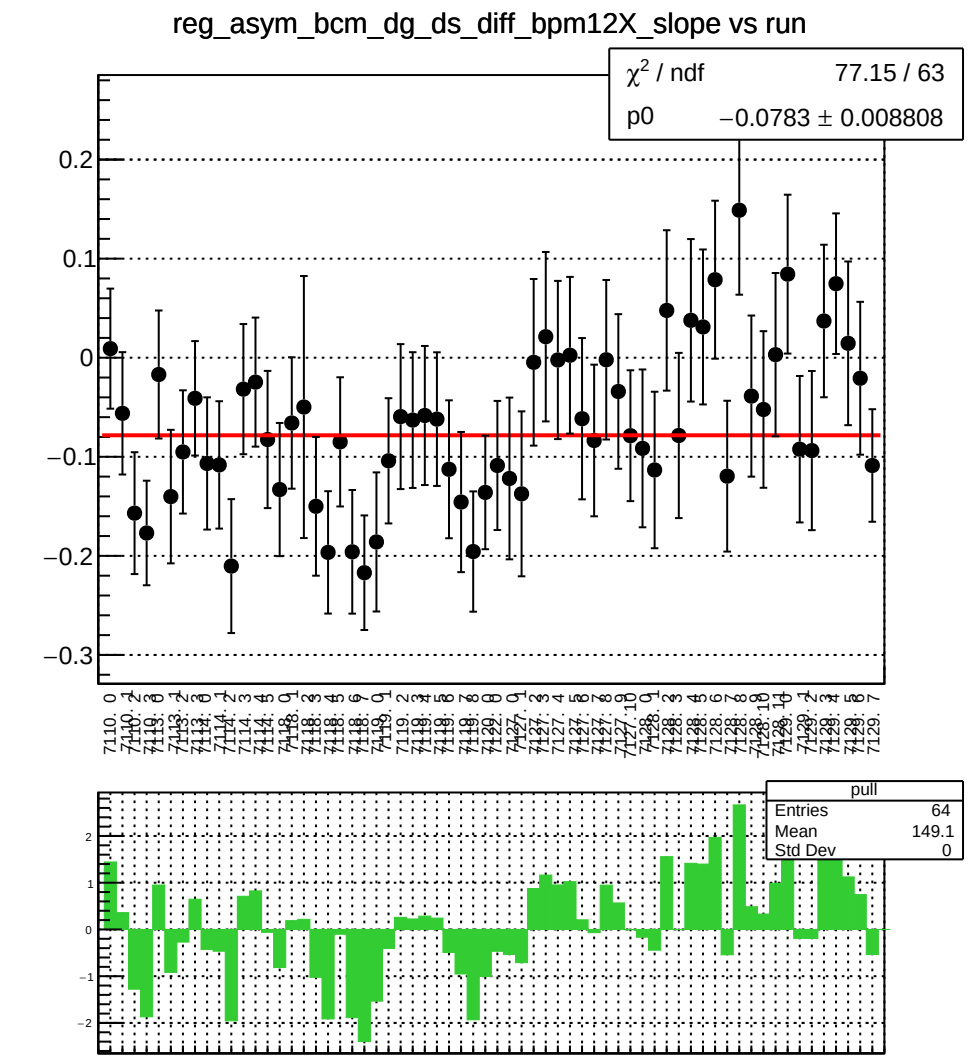

pull1D
Entries 64
Mean −0.3729
Std Dev 1.865

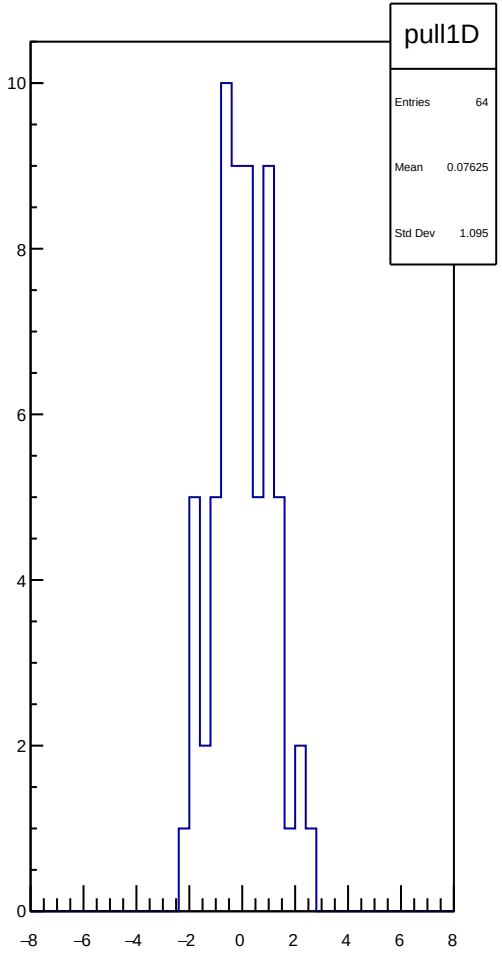

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 90.35 / 63
p0 1.781 ± 0.1875
pull
Entries 64
Mean 51.12
Std Dev 0

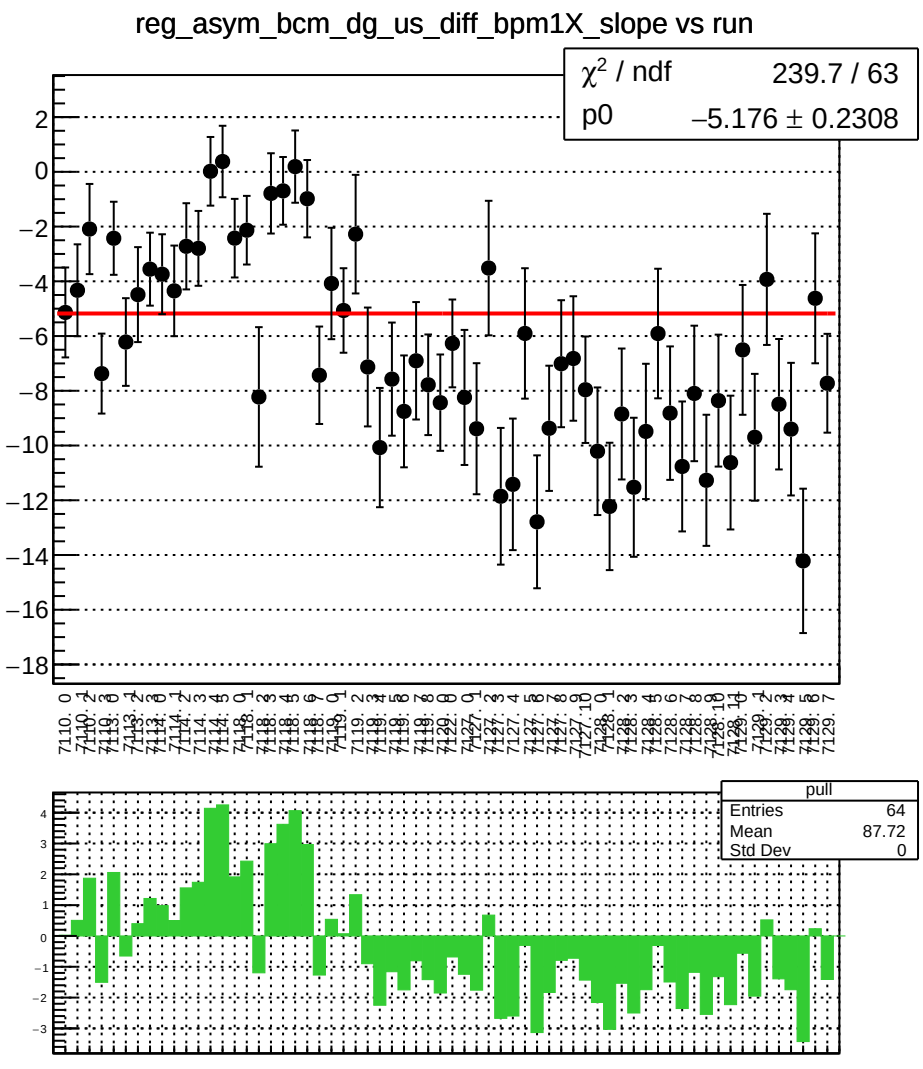

pull1D
Entries 64
Mean −0.02103
Std Dev 1.188

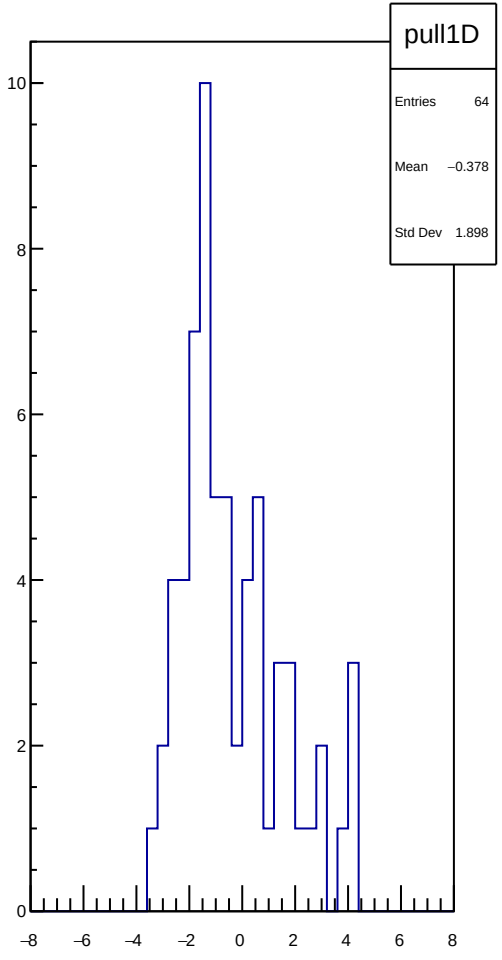

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 219.9 / 63
p0 4.377 ± 0.2282
pull
Entries 64
Mean 86.25
Std Dev 0
pull1D
Entries 64
Mean 0.3557
Std Dev 1.819

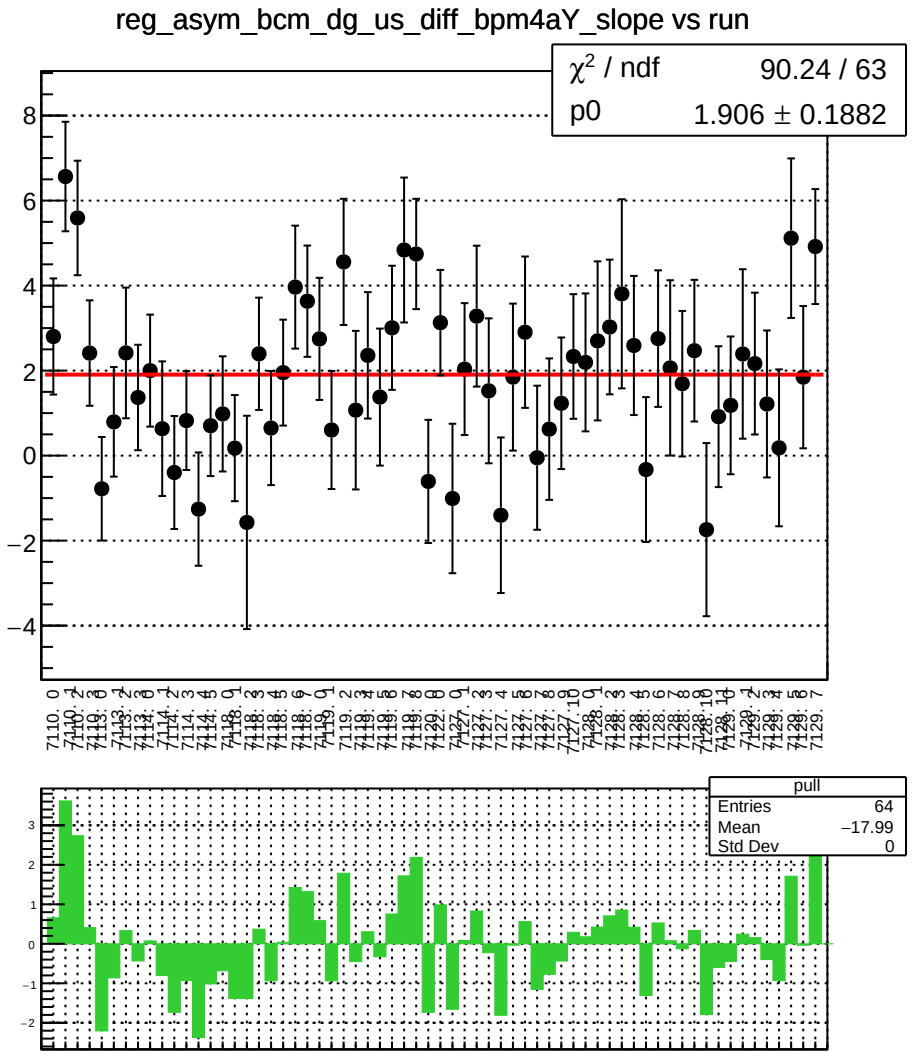

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 107.5 / 63
p0 −2.693 ± 0.1976
pull
Entries 64
Mean 90.5
Std Dev 0
pull1D
Entries 64
Mean 0.01121
Std Dev 1.296

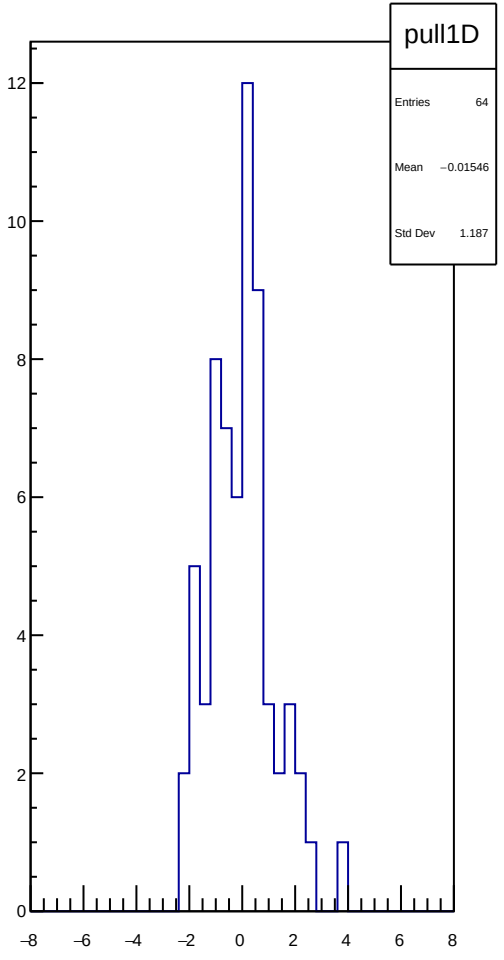

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 77.15 / 63
p0 −0.0783 ± 0.008808
pull
Entries 64
Mean 149.1
Std Dev 0

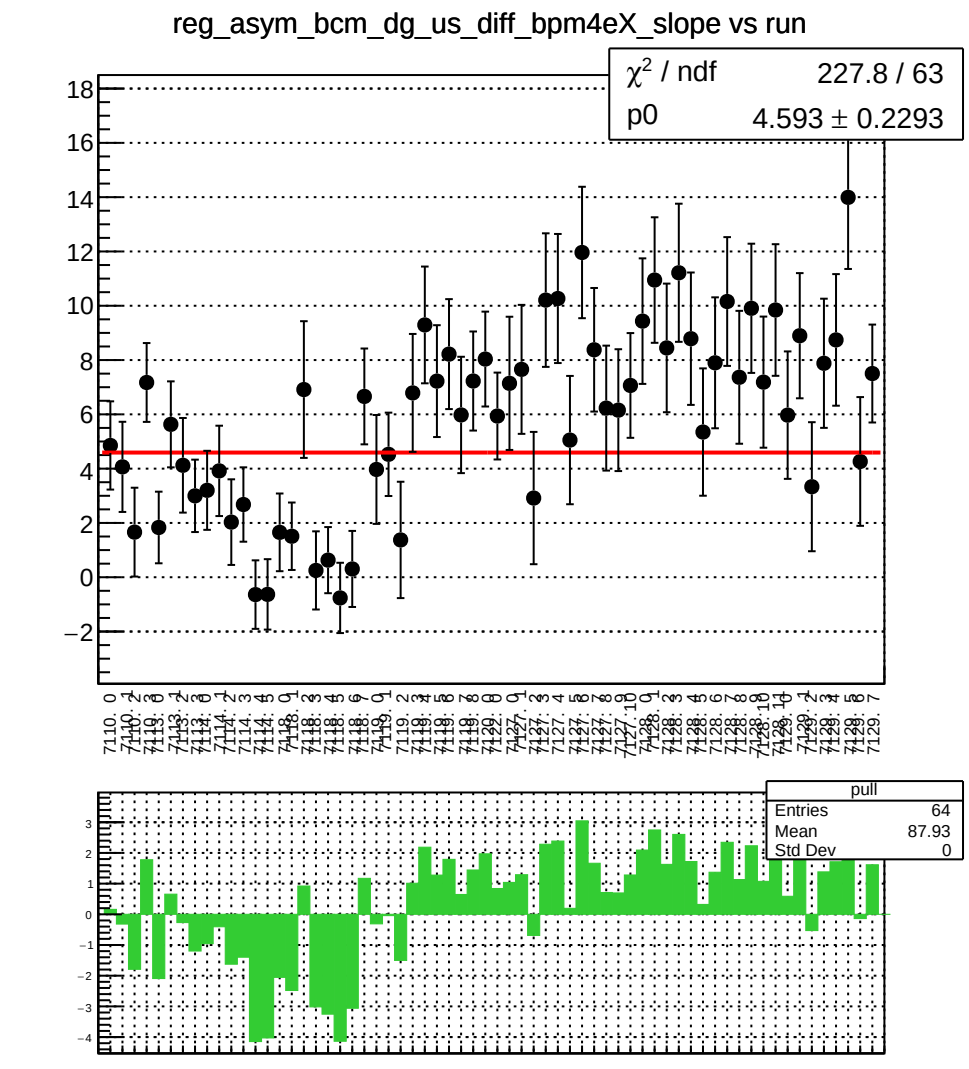

pull1D
Entries 64
Mean 0.07625
Std Dev 1.095

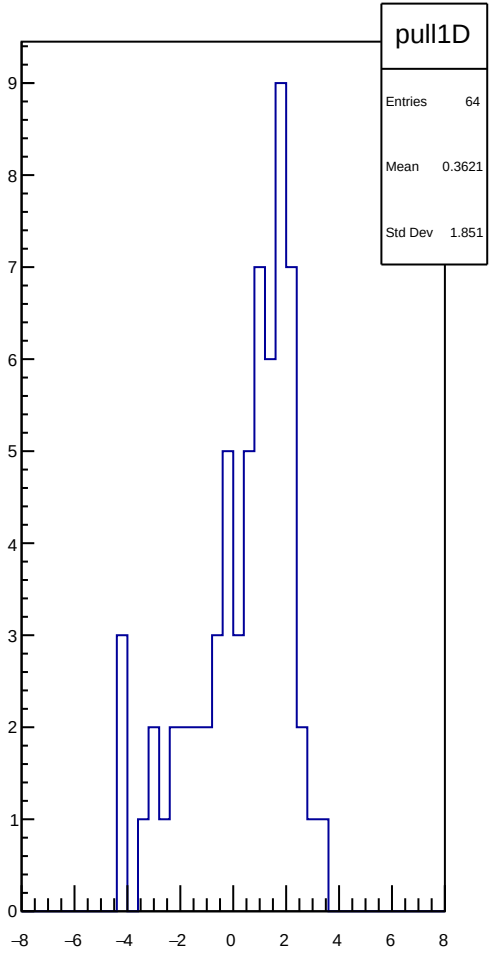

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 239.7 / 63
p0 −5.176 ± 0.2308
pull
Entries 64
Mean 87.72
Std Dev 0

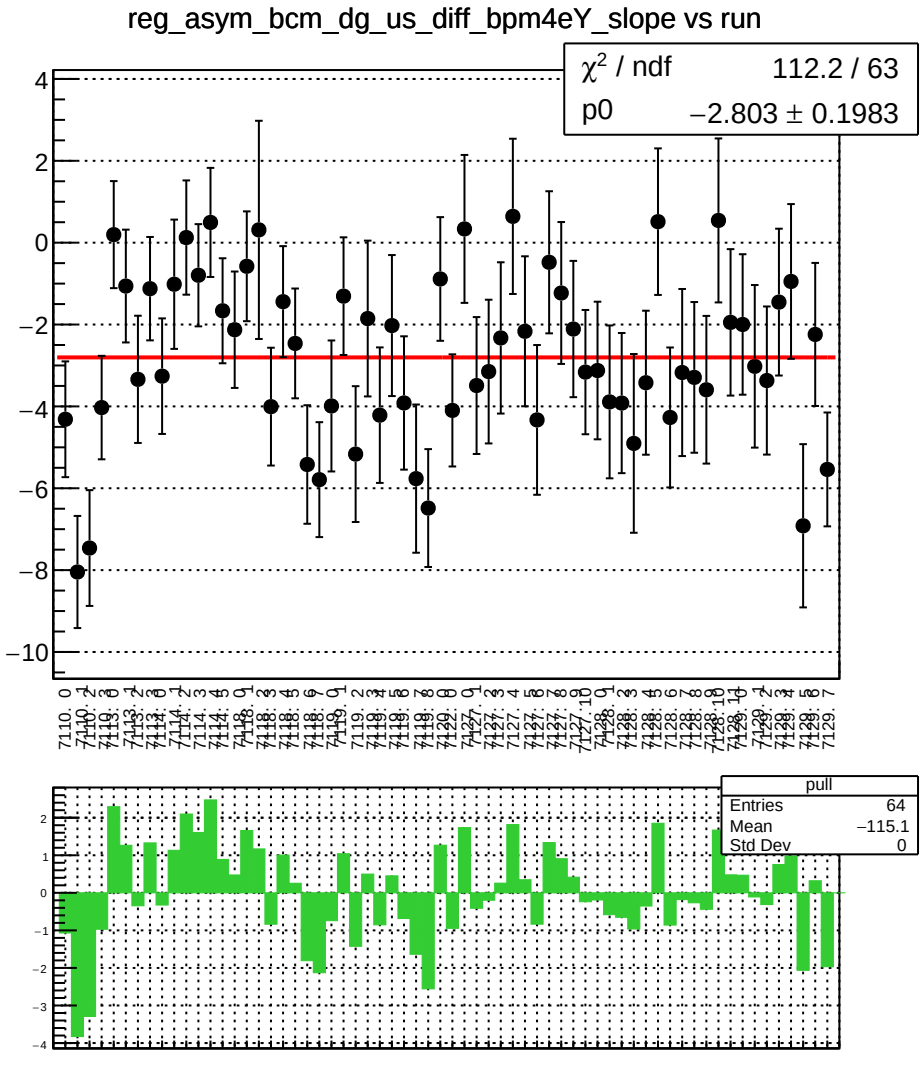

pull1D
Entries 64
Mean −0.378
Std Dev 1.898

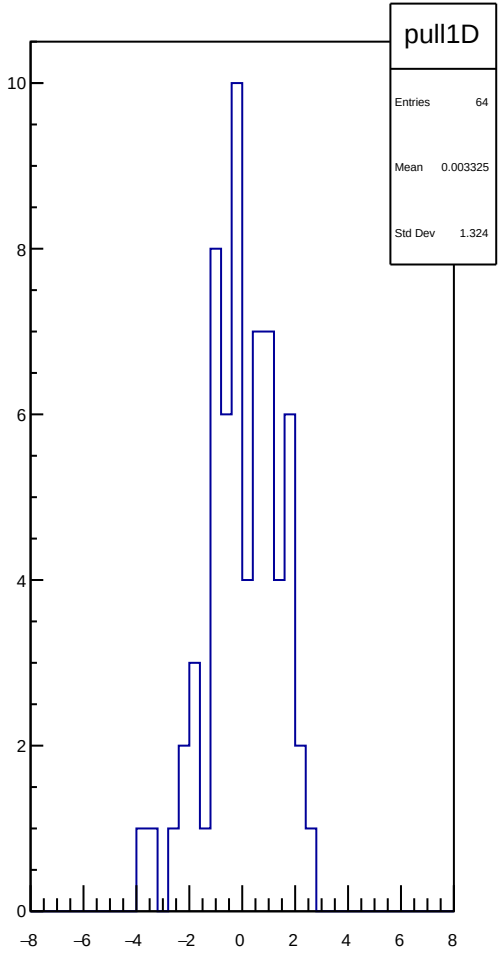

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 90.24 / 63
p0 1.906 ± 0.1882
pull
Entries 64
Mean −17.99
Std Dev 0

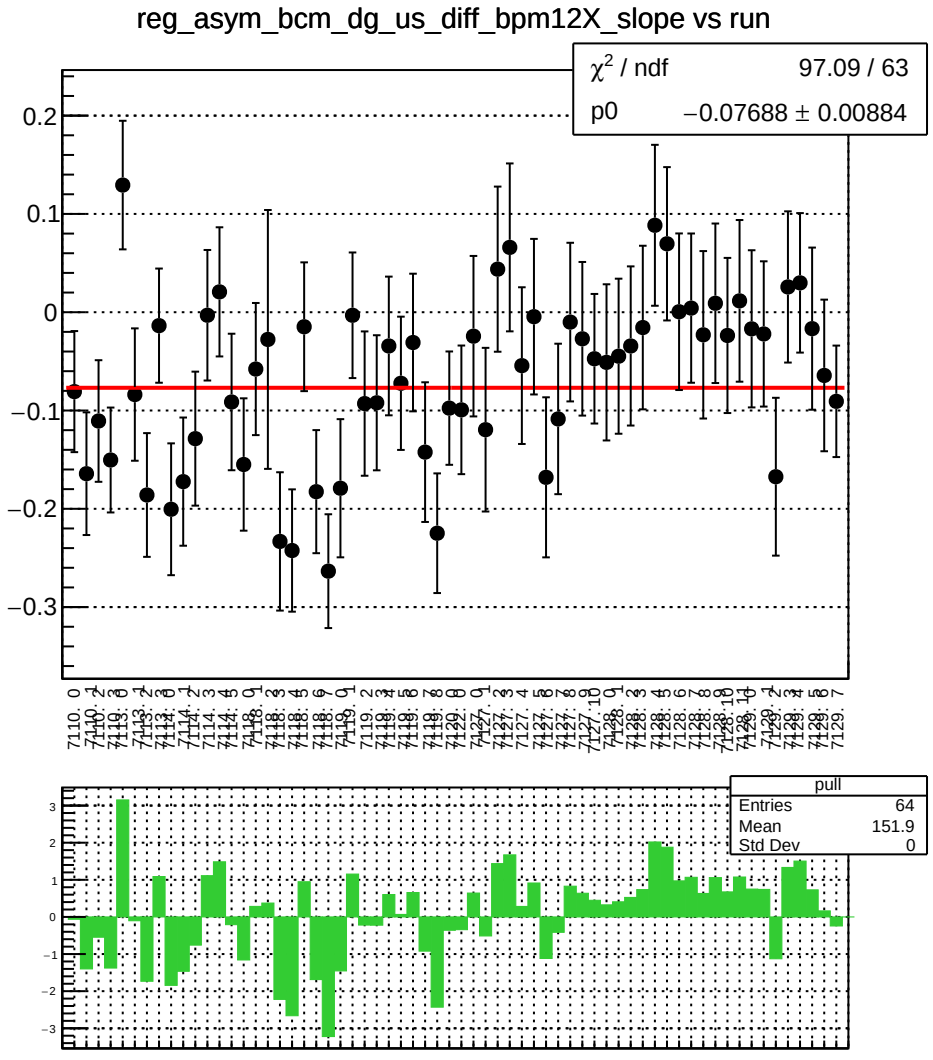

pull1D
Entries 64
Mean −0.01546
Std Dev 1.187

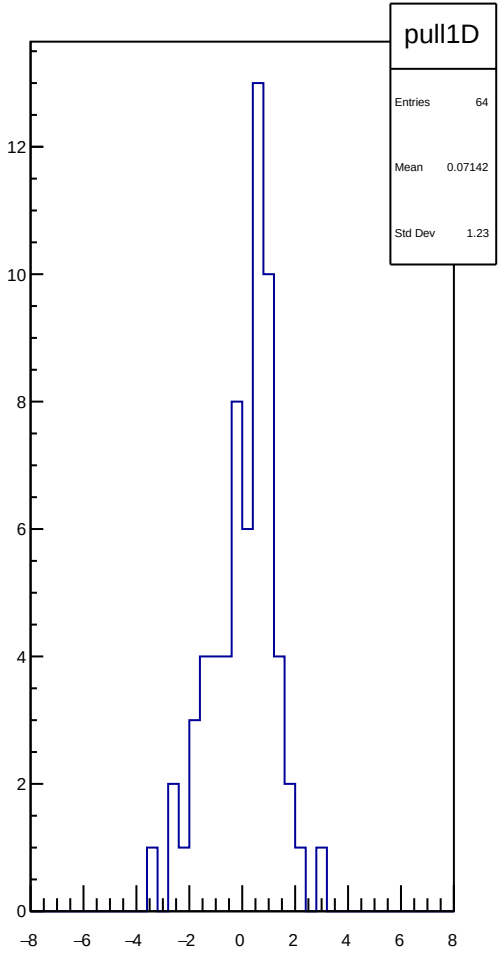

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 227.8 / 63
p0 4.593 ± 0.2293
pull
Entries 64
Mean 87.93
Std Dev 0

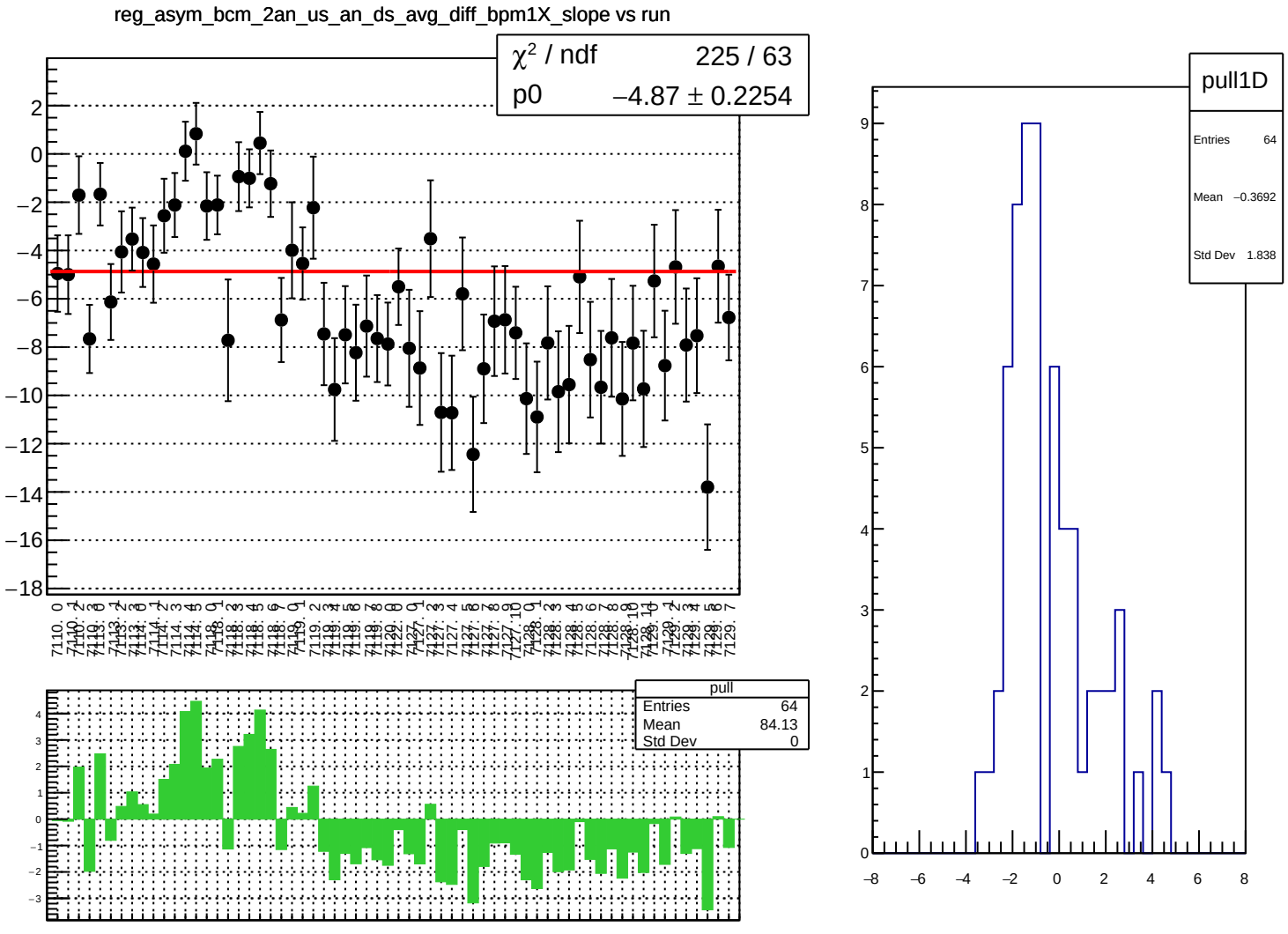

pull1D
Entries 64
Mean 0.3621
Std Dev 1.851

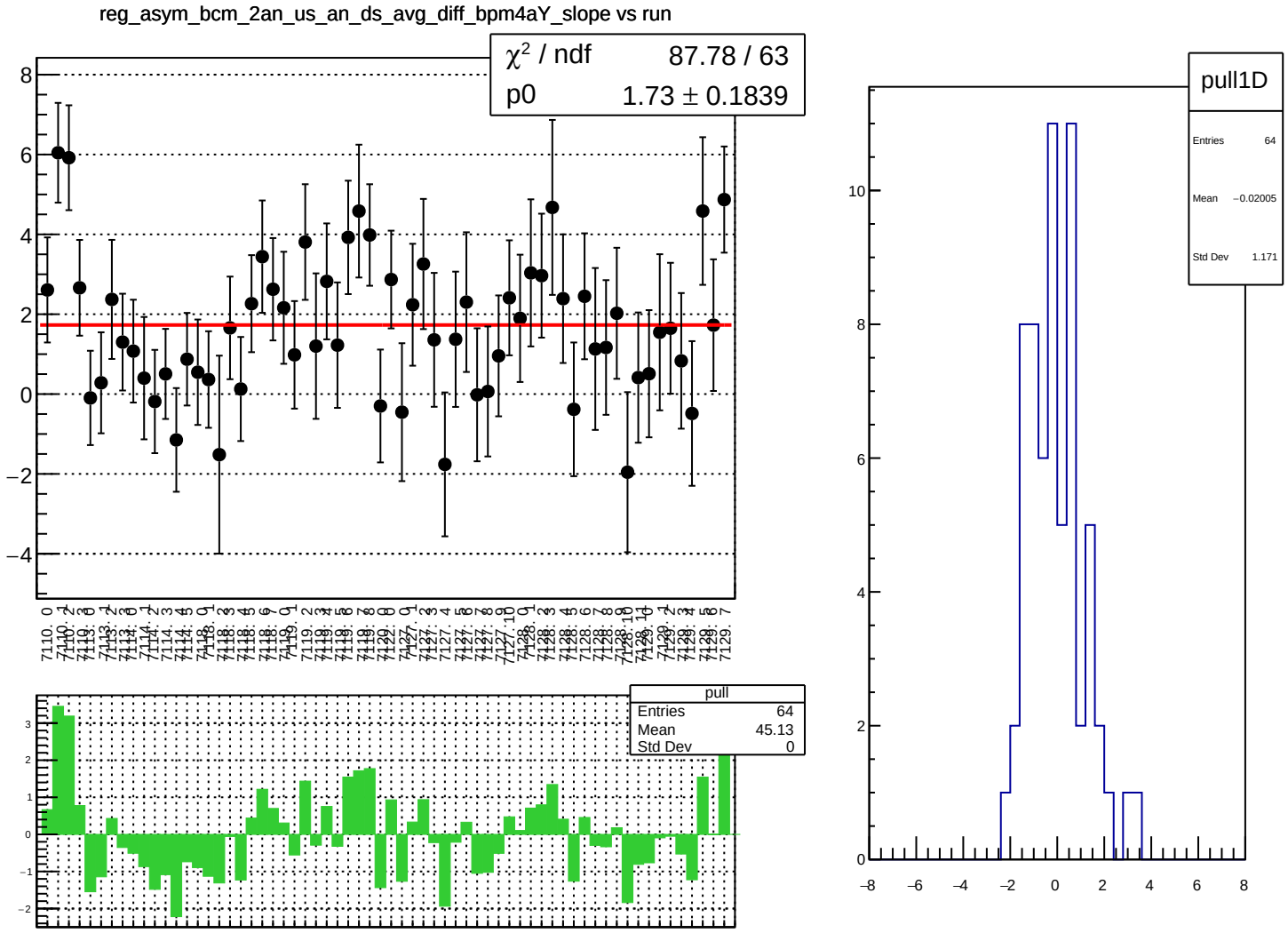

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 112.2 / 63
p0 −2.803 ± 0.1983
pull
Entries 64
Mean −115.1
Std Dev 0

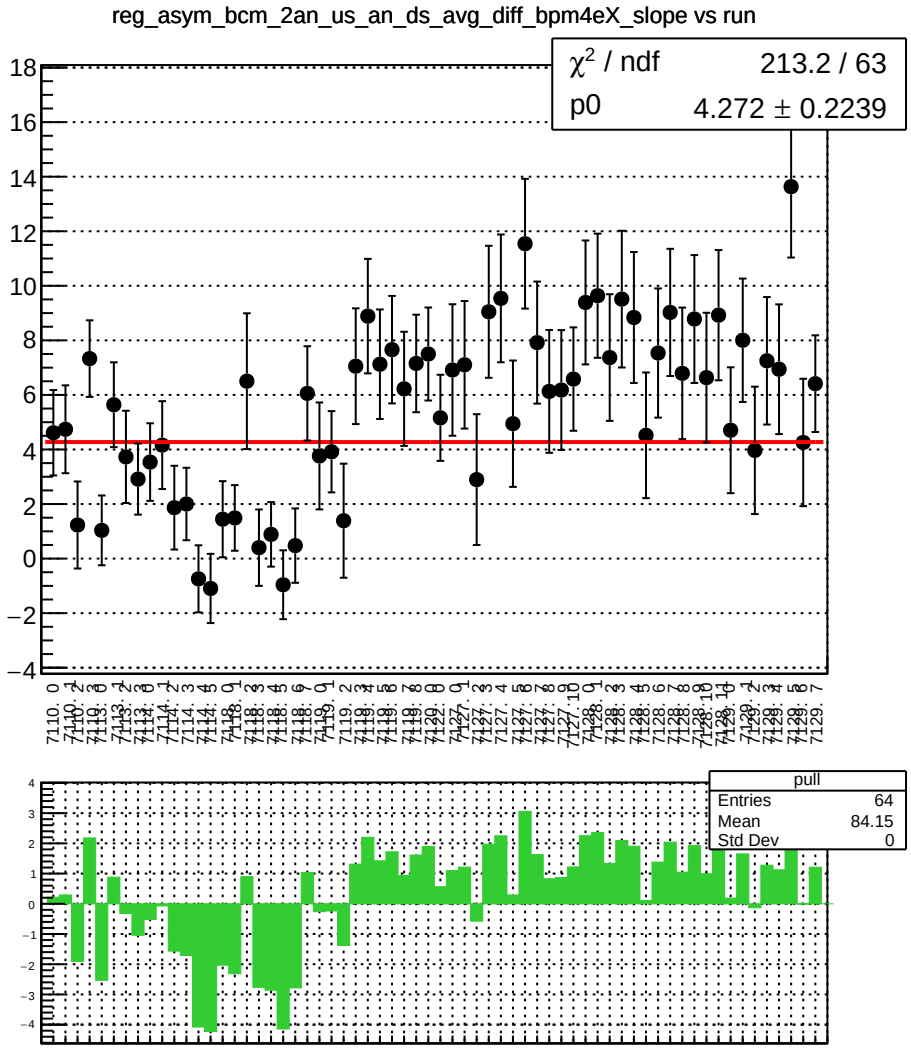

pull1D
Entries 64
Mean 0.003325
Std Dev 1.324

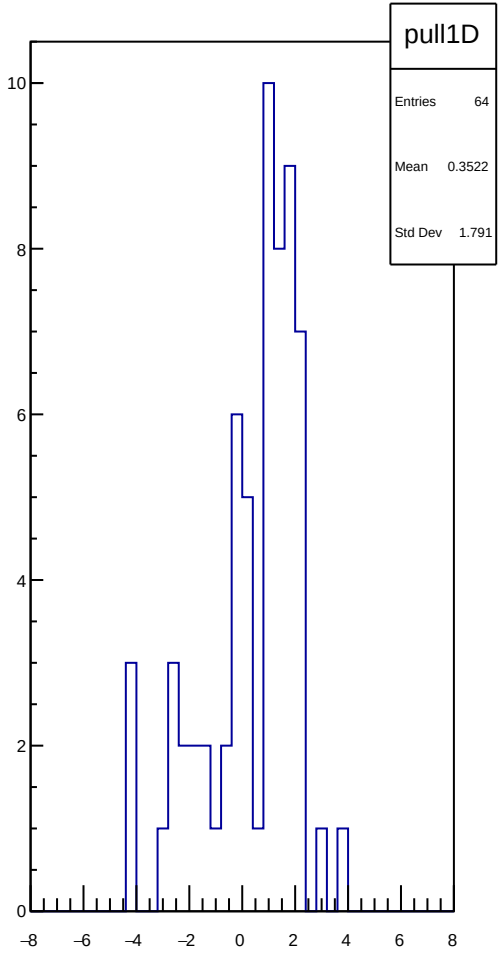

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 97.09 / 63
p0 −0.07688 ± 0.00884
pull
Entries 64
Mean 151.9
Std Dev 0

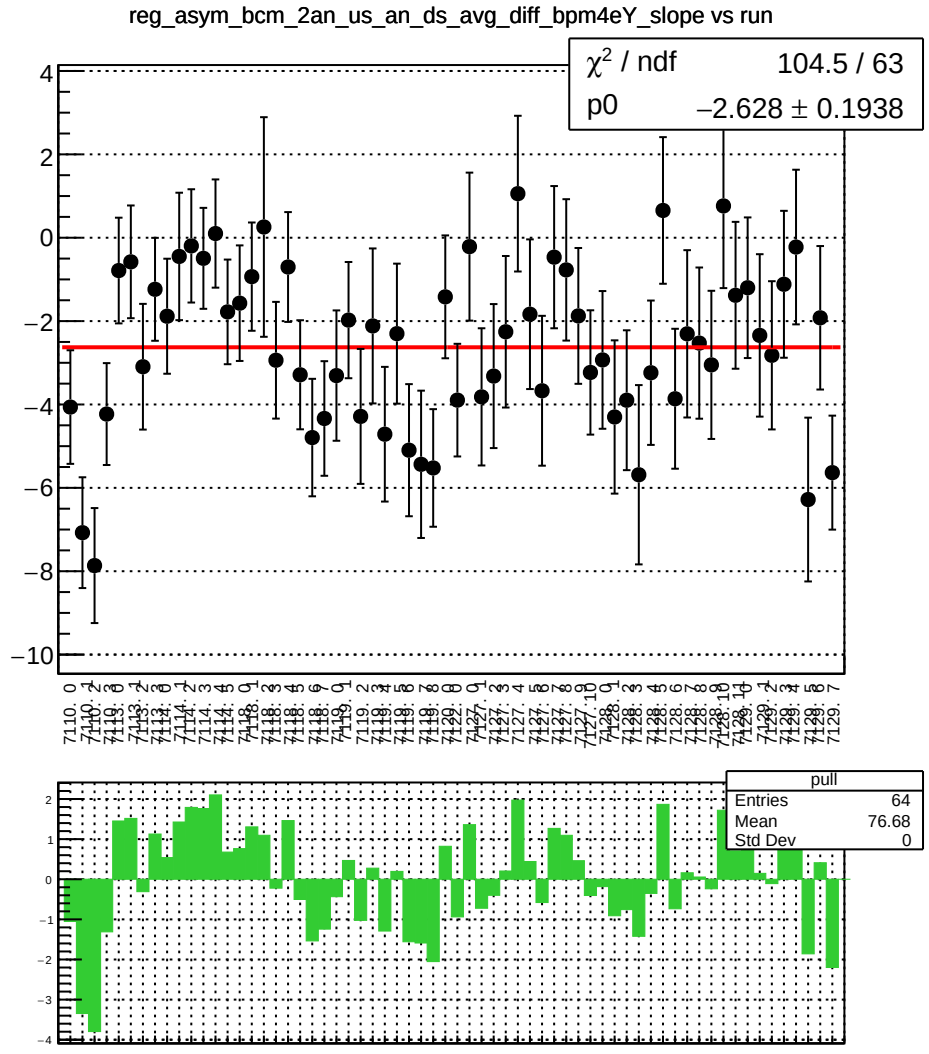

pull1D
Entries 64
Mean 0.07142
Std Dev 1.23

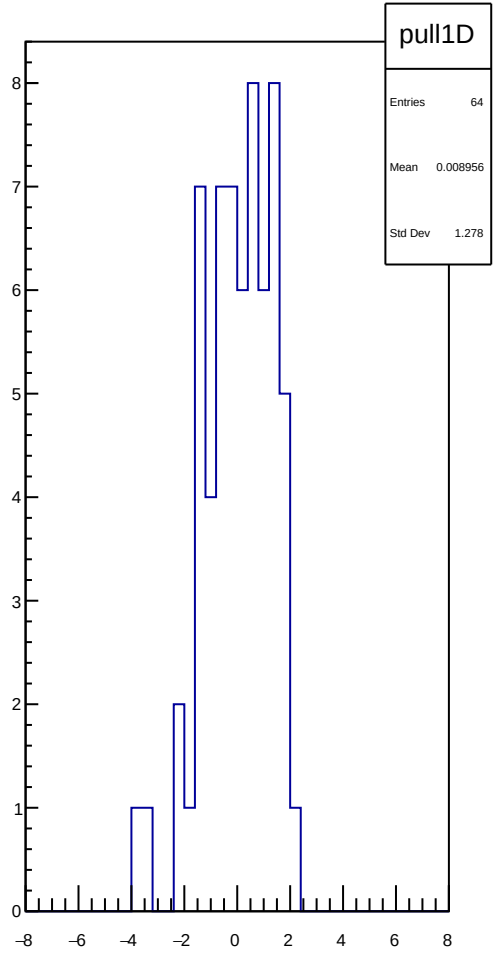

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 225 / 63
p0 −4.87 ± 0.2254
pull
Entries 64
Mean 84.13
Std Dev 0
pull1D
Entries 64
Mean −0.3692
Std Dev 1.838

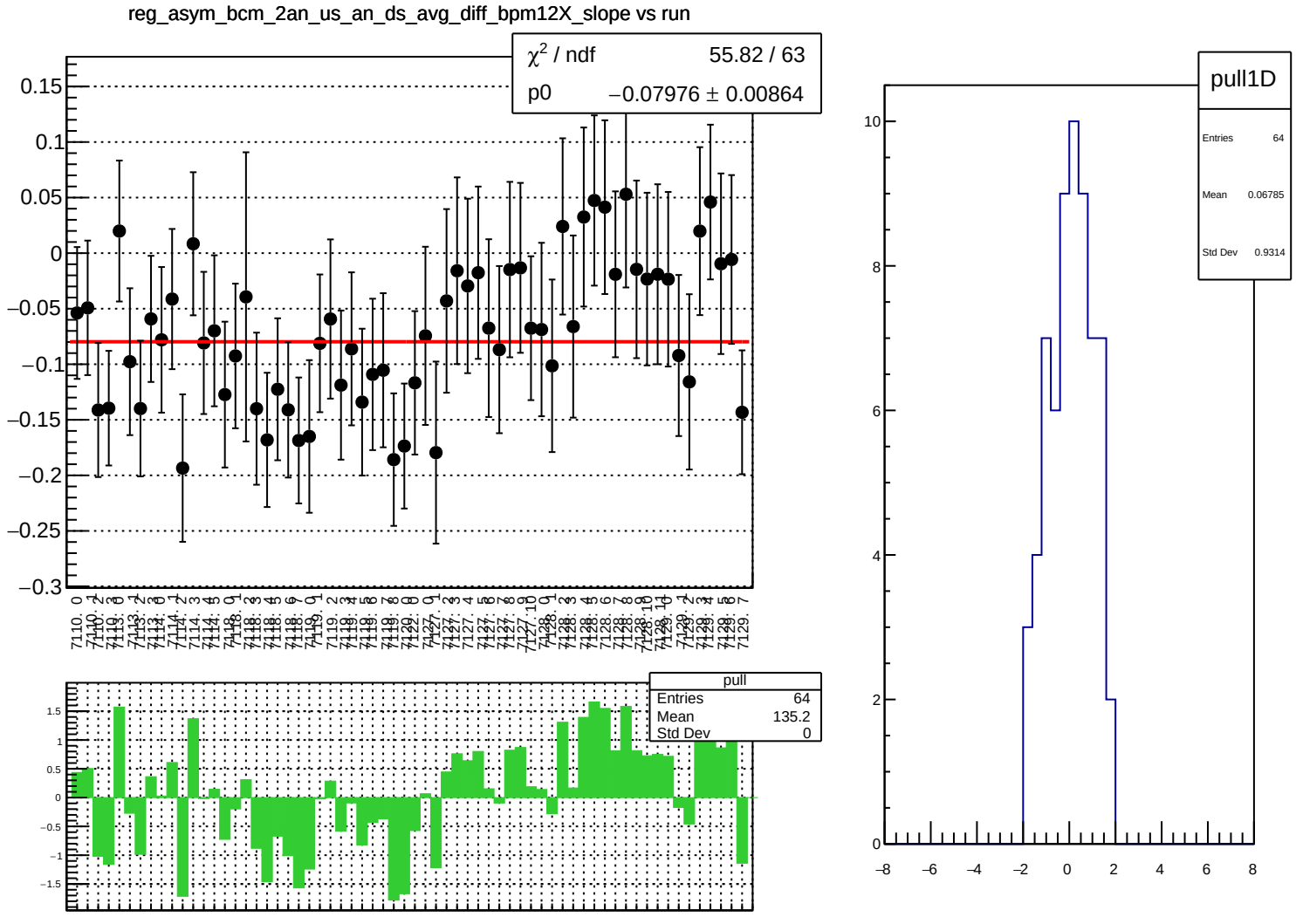

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.78 / 63
p0 1.73 ± 0.1839
pull
Entries 64
Mean 45.13
Std Dev 0
pull1D
Entries 64
Mean −0.02005
Std Dev 1.171

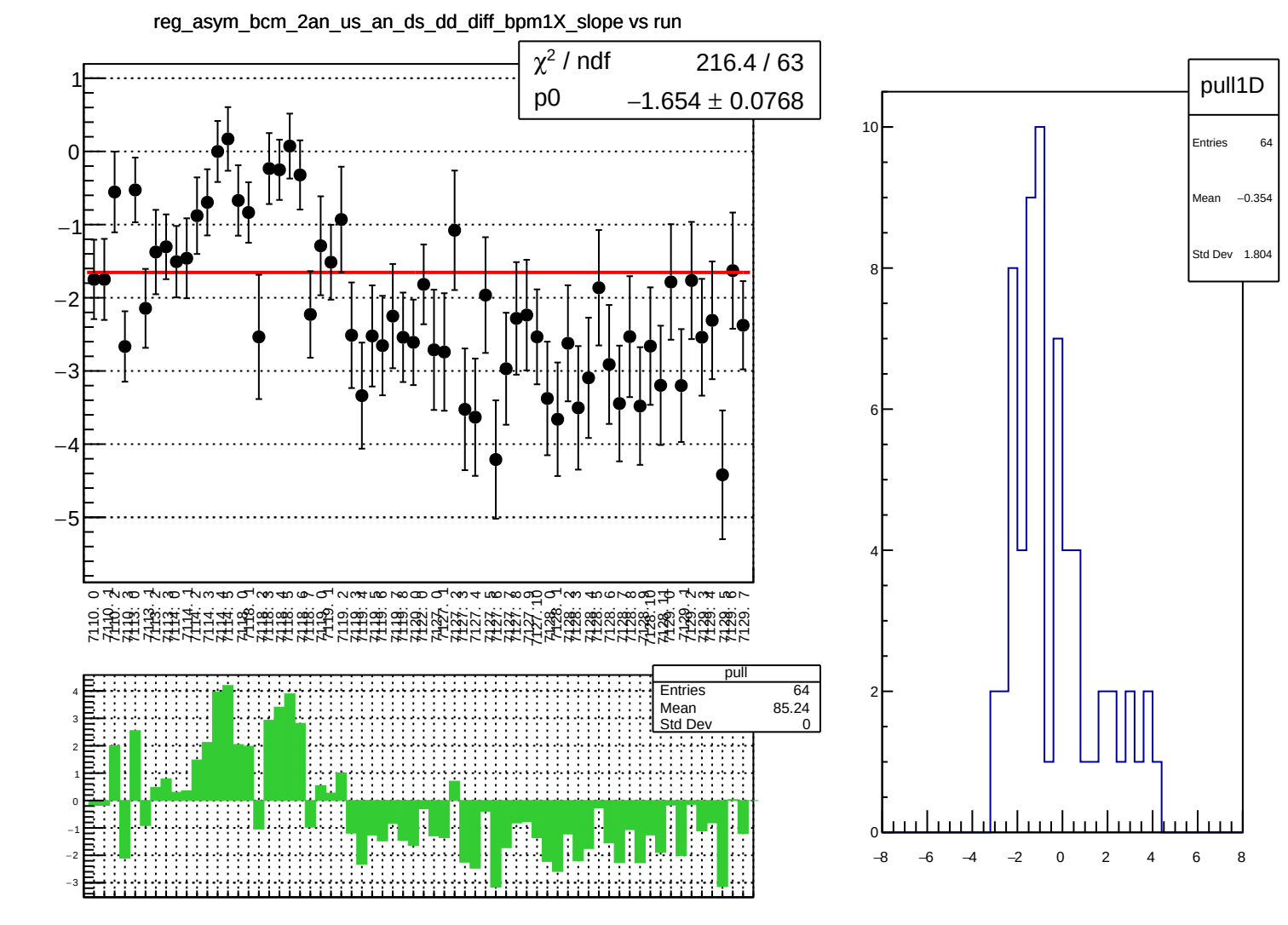

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 213.2 / 63
p0 4.272 ± 0.2239
pull
Entries 64
Mean 84.15
Std Dev 0

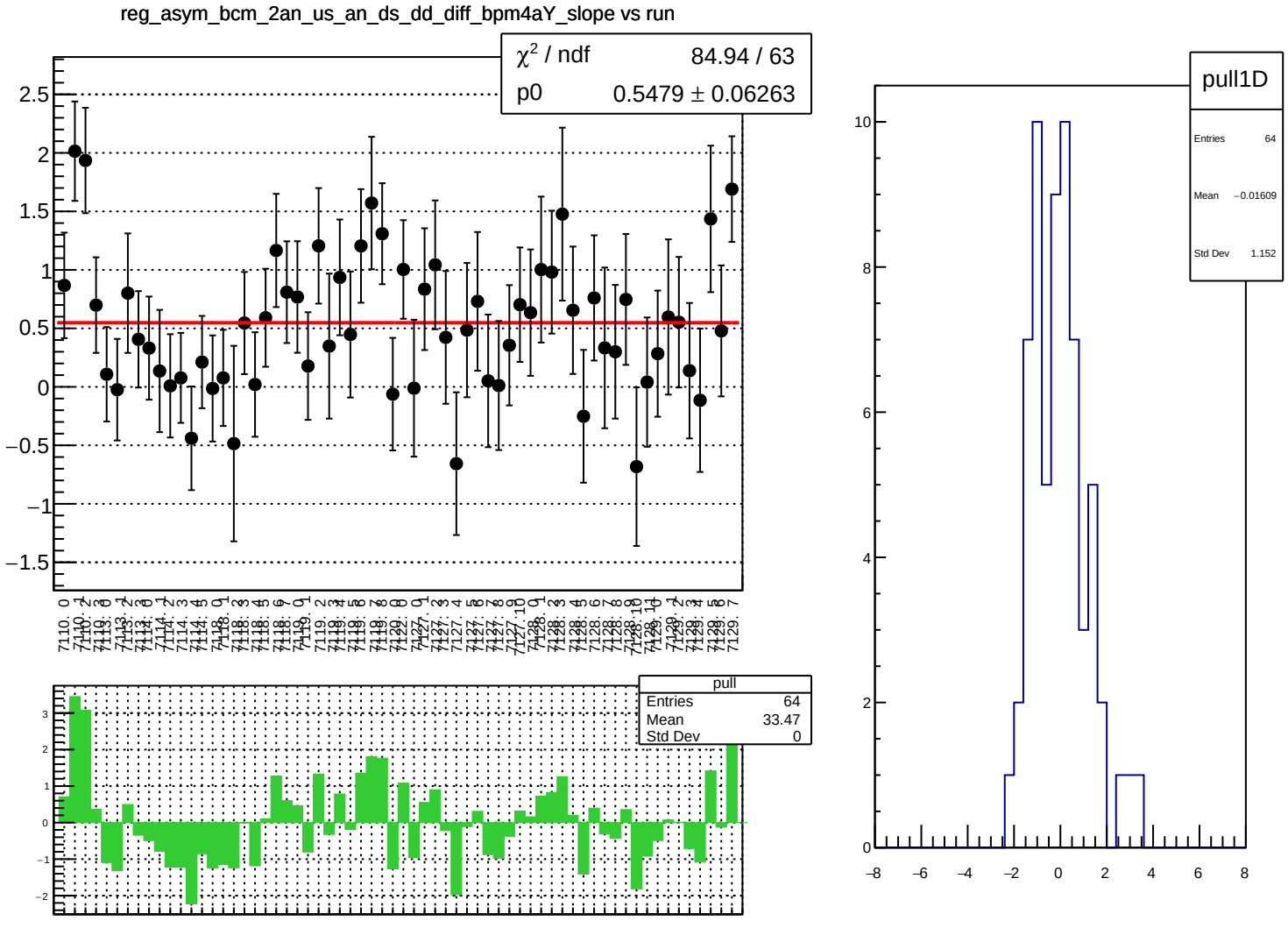

pull1D
Entries 64
Mean 0.3522
Std Dev 1.791

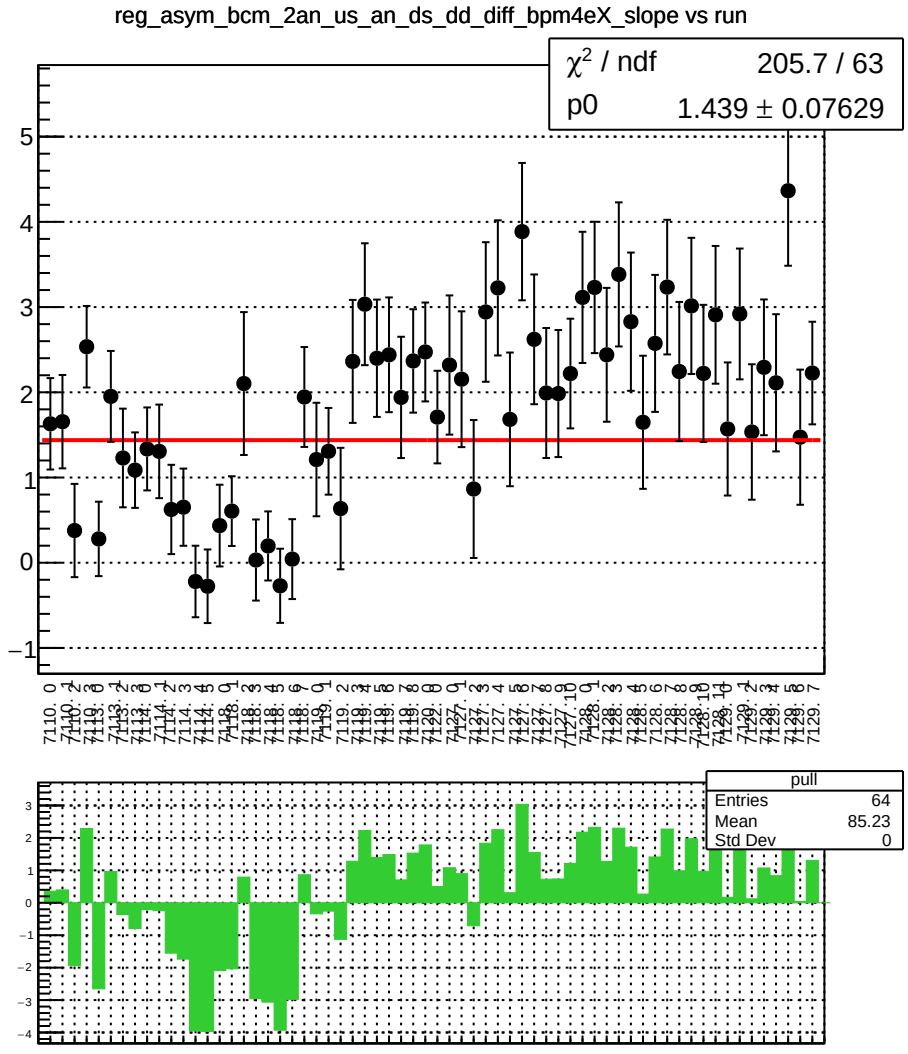

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.5 / 63
p0 −2.628 ± 0.1938
pull
Entries 64
Mean 76.68
Std Dev 0

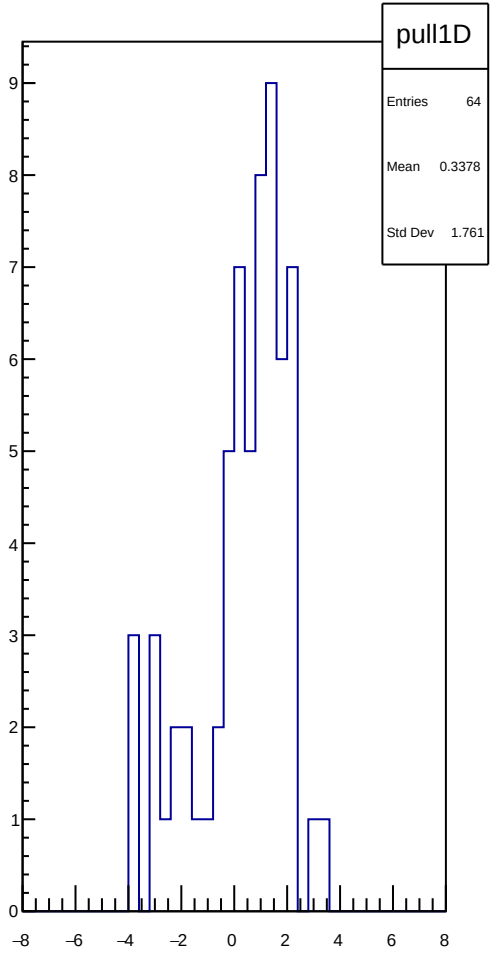

pull1D
Entries 64
Mean 0.008956
Std Dev 1.278

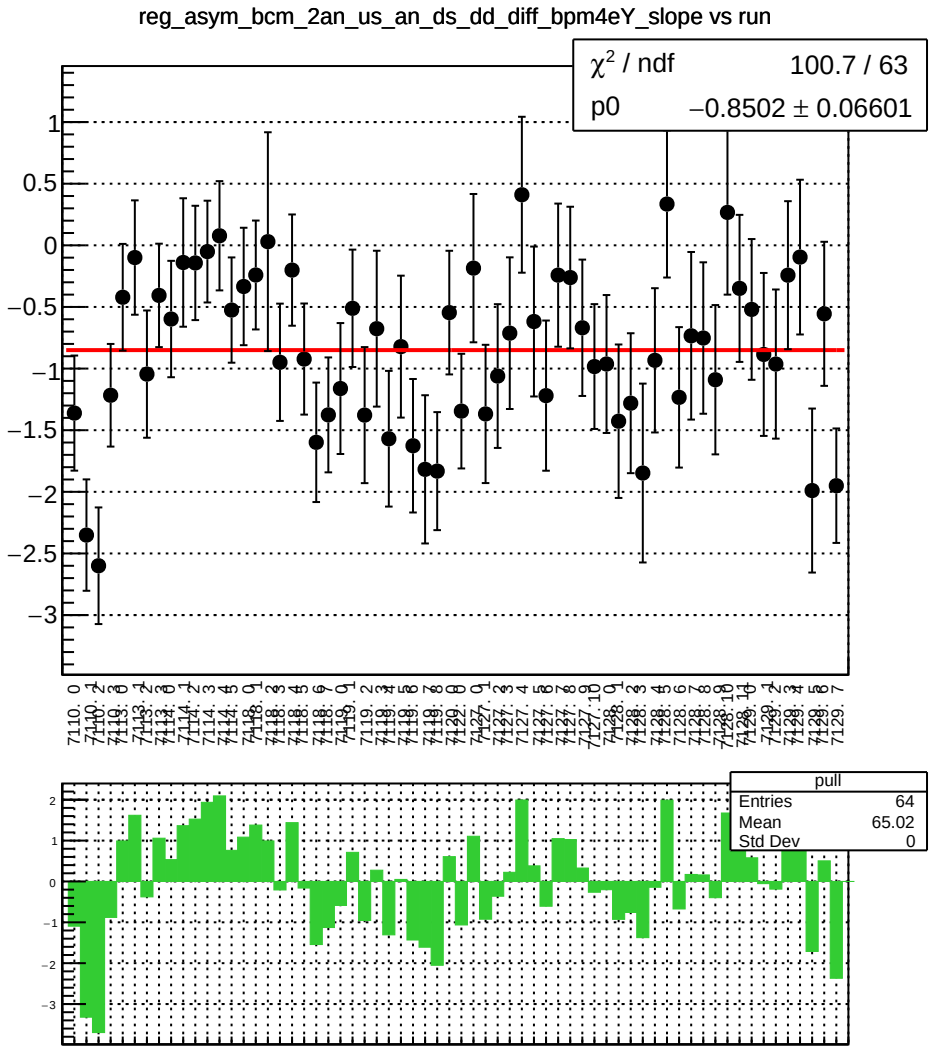

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 55.82 / 63
p0 −0.07976 ± 0.00864
pull
Entries 64
Mean 135.2
Std Dev 0
pull1D
Entries 64
Mean 0.06785
Std Dev 0.9314

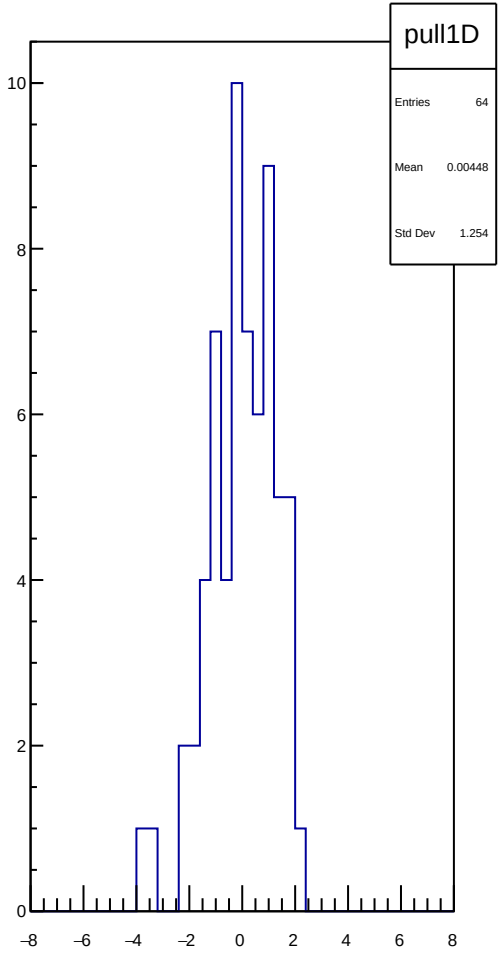

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 216.4 / 63
p0 −1.654 ± 0.0768
pull
Entries 64
Mean 85.24
Std Dev 0
pull1D
Entries 64
Mean −0.354
Std Dev 1.804

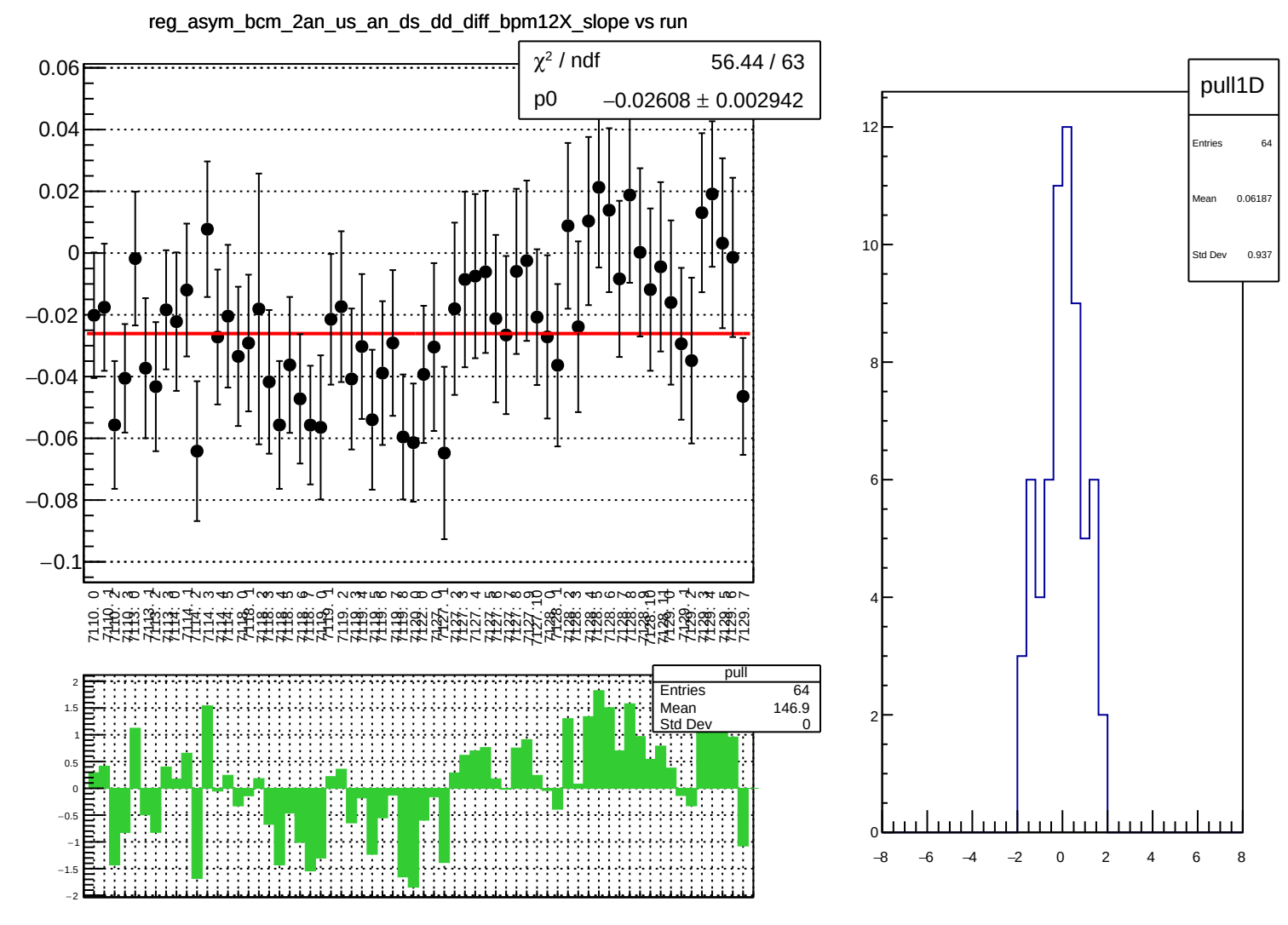

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.94 / 63
p0 0.5479 ± 0.06263
pull
Entries 64
Mean 33.47
Std Dev 0
pull1D
Entries 64
Mean −0.01609
Std Dev 1.152

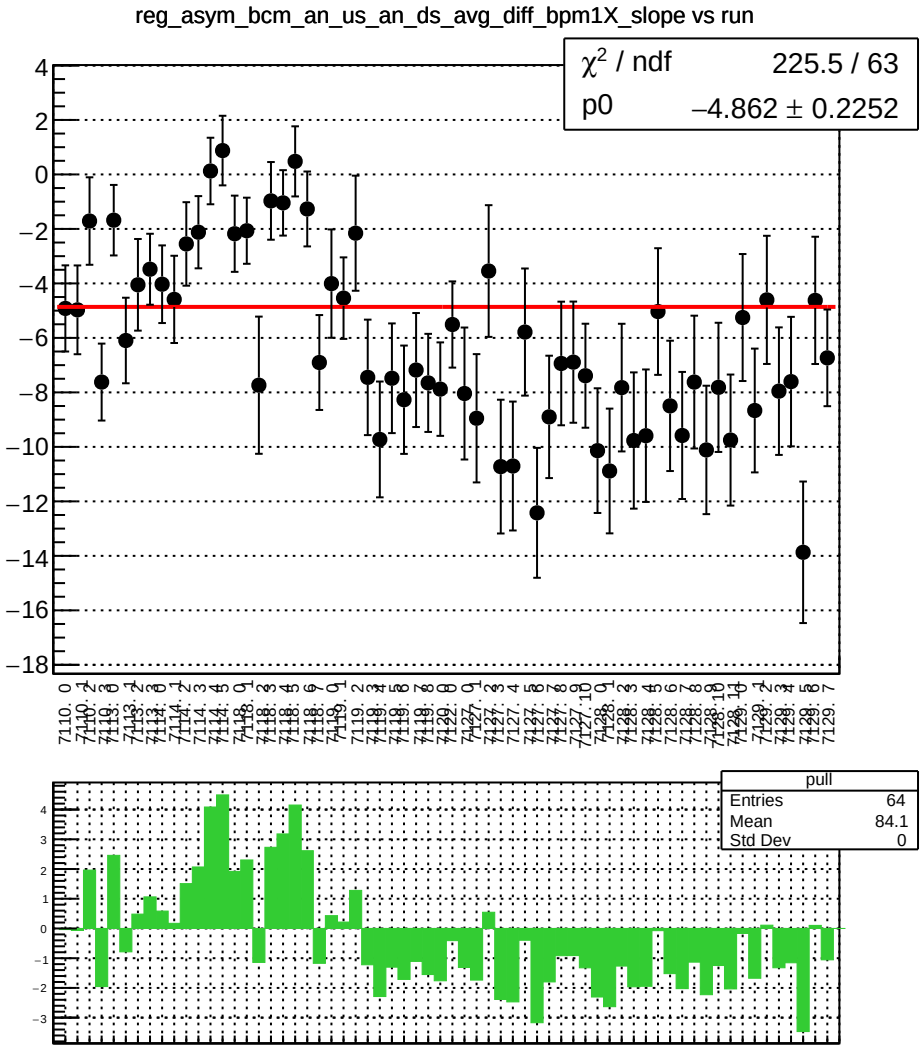

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 205.7 / 63
p0 1.439 ± 0.07629
pull
Entries 64
Mean 85.23
Std Dev 0

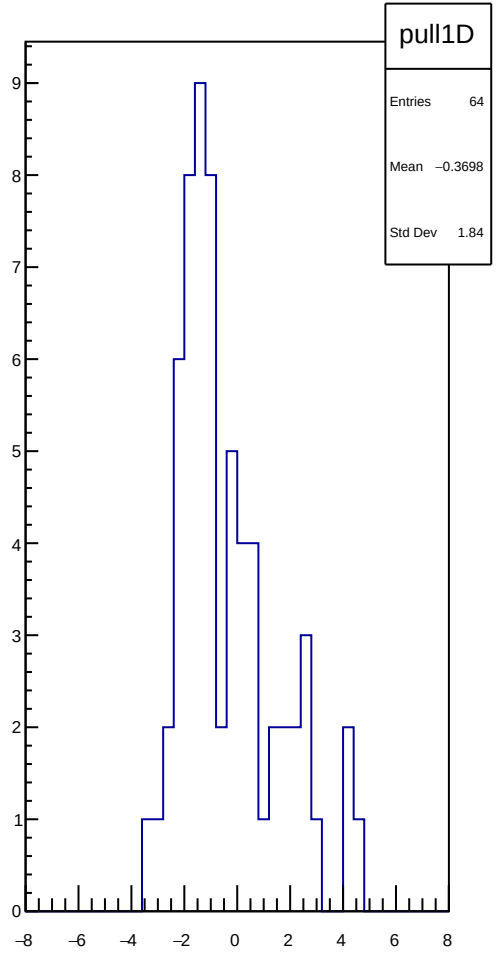

pull1D
Entries 64
Mean 0.3378
Std Dev 1.761

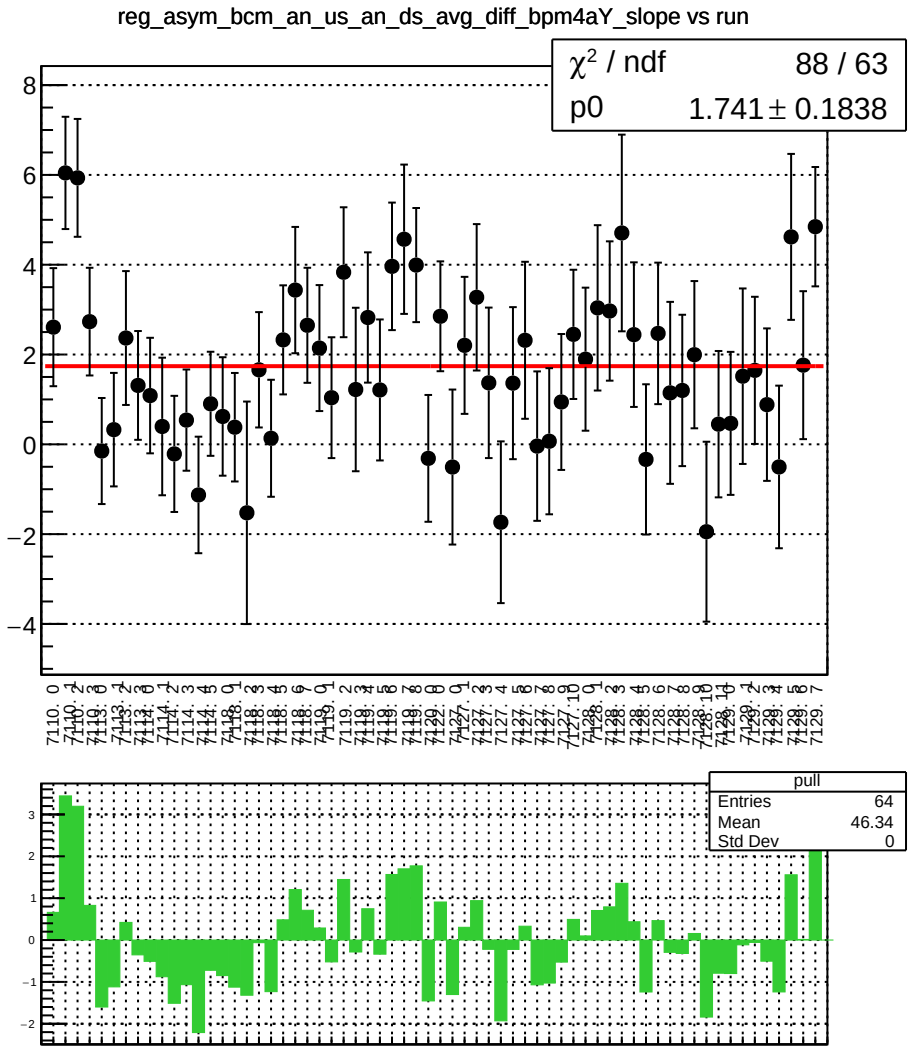

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.7 / 63
p0 −0.8502 ± 0.06601
pull
Entries 64
Mean 65.02
Std Dev 0

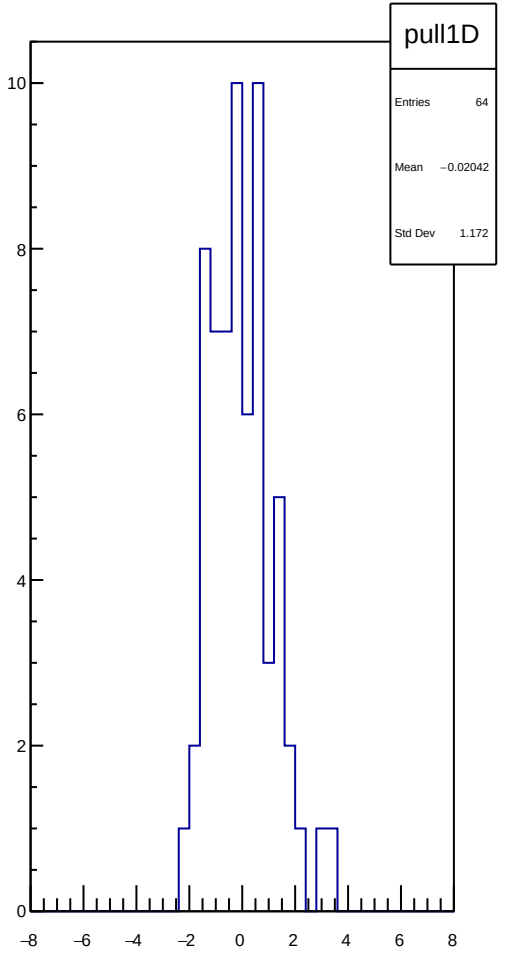

pull1D
Entries 64
Mean 0.00448
Std Dev 1.254

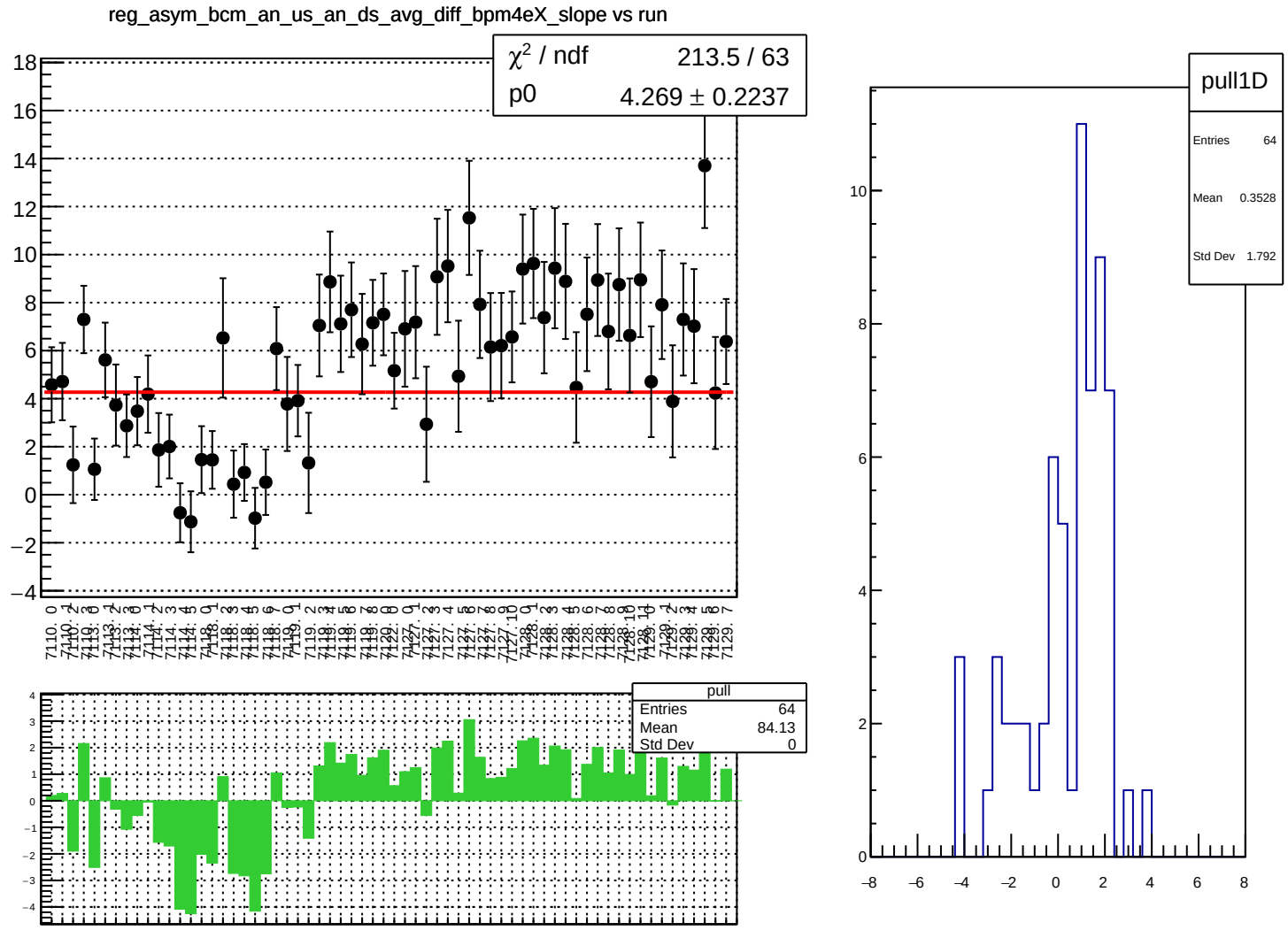

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 56.44 / 63
p0 −0.02608 ± 0.002942
pull
Entries 64
Mean 146.9
Std Dev 0
pull1D
Entries 64
Mean 0.06187
Std Dev 0.937

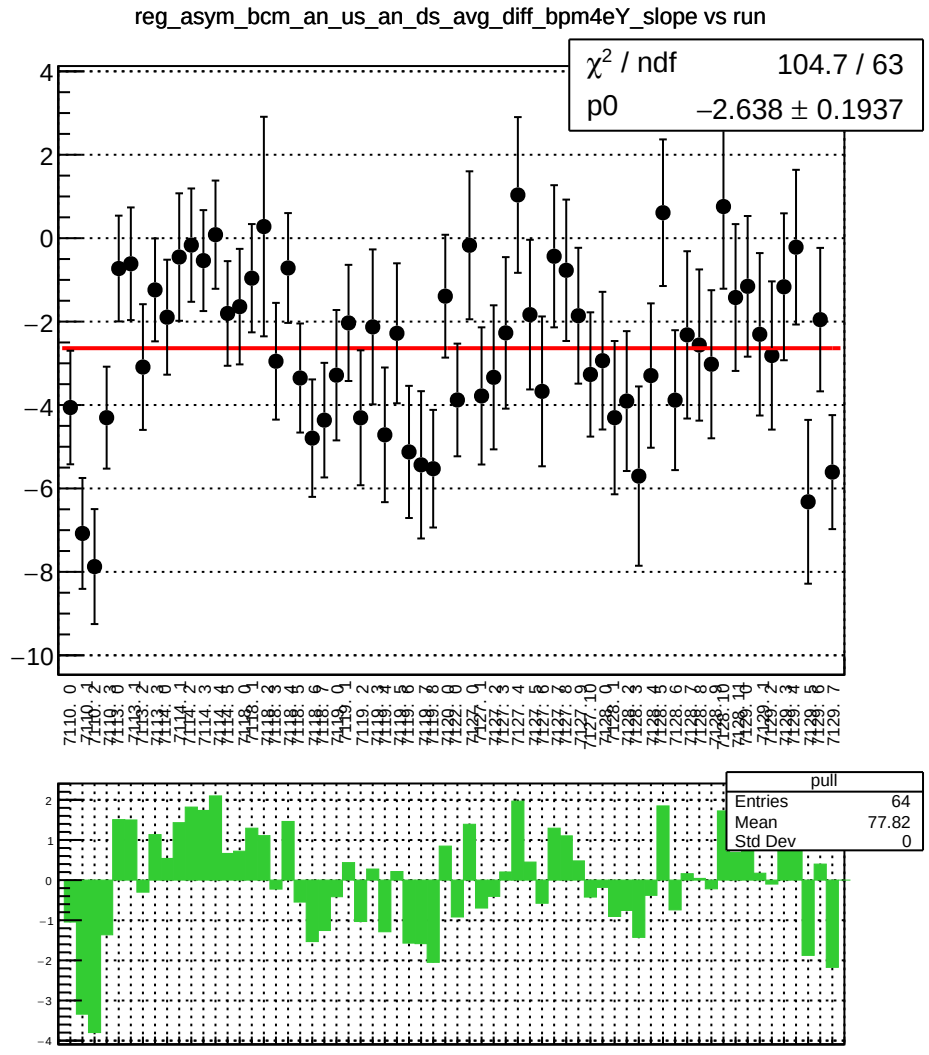

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 225.5 / 63
p0 −4.862 ± 0.2252
pull
Entries 64
Mean 84.1
Std Dev 0

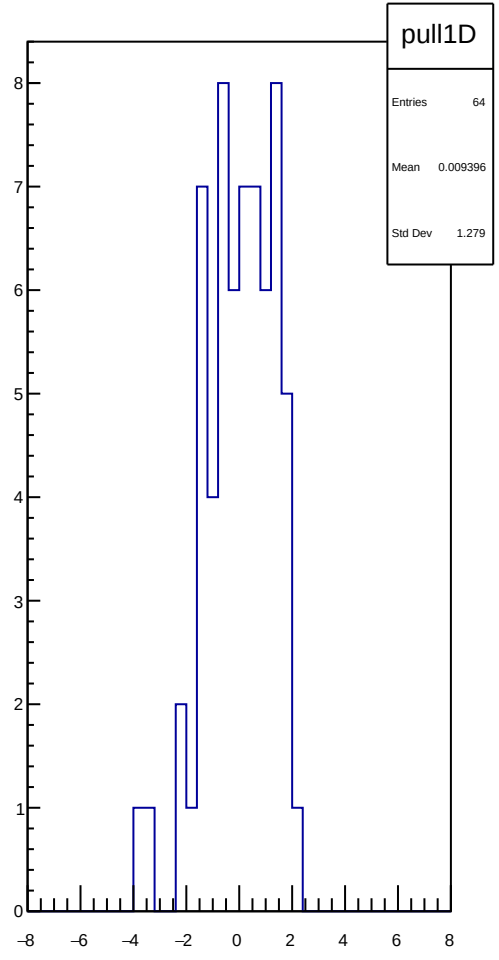

pull1D
Entries 64
Mean −0.3698
Std Dev 1.84

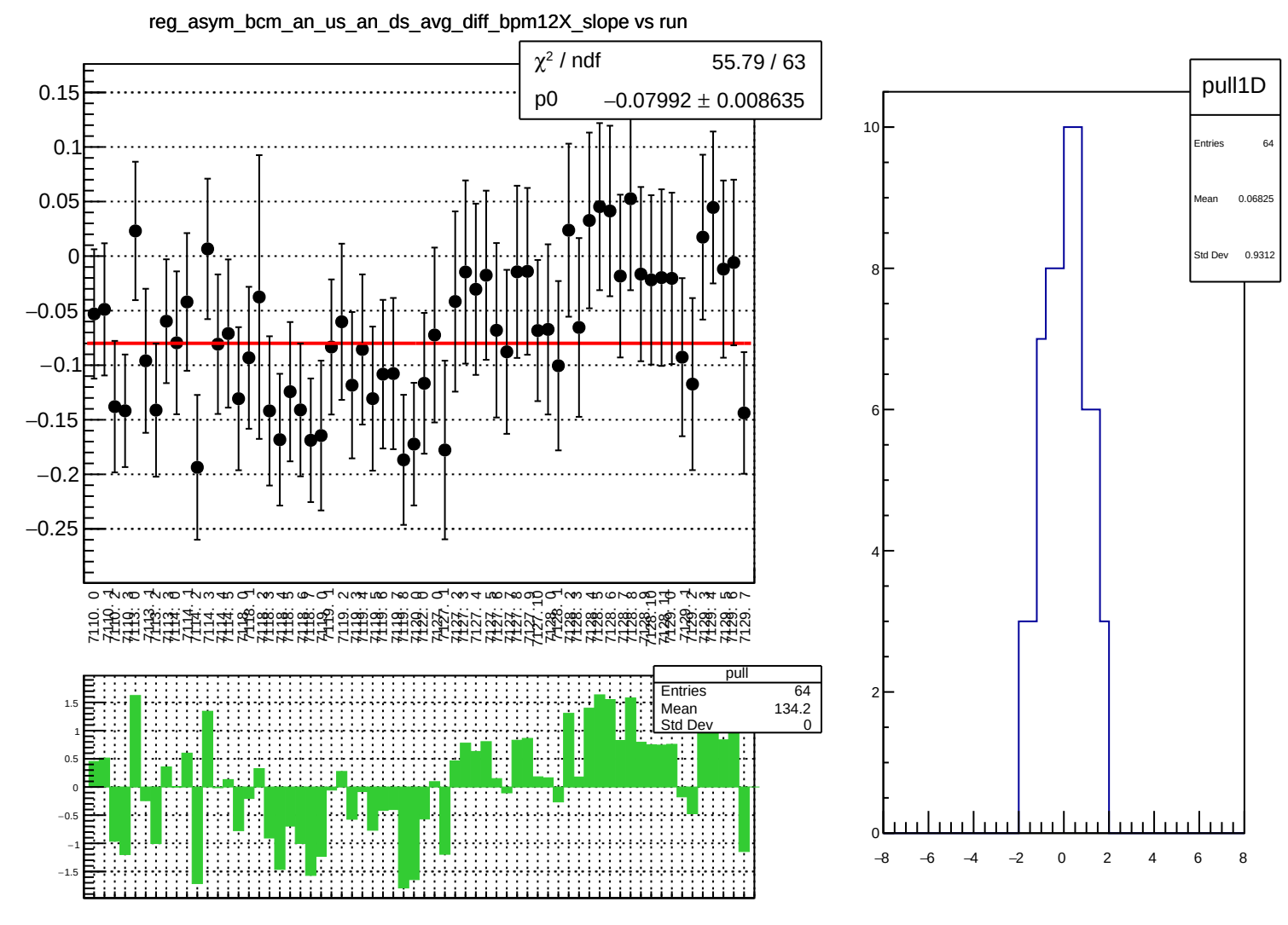

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 88 / 63
p0 1.741 ± 0.1838
pull
Entries 64
Mean 46.34
Std Dev 0

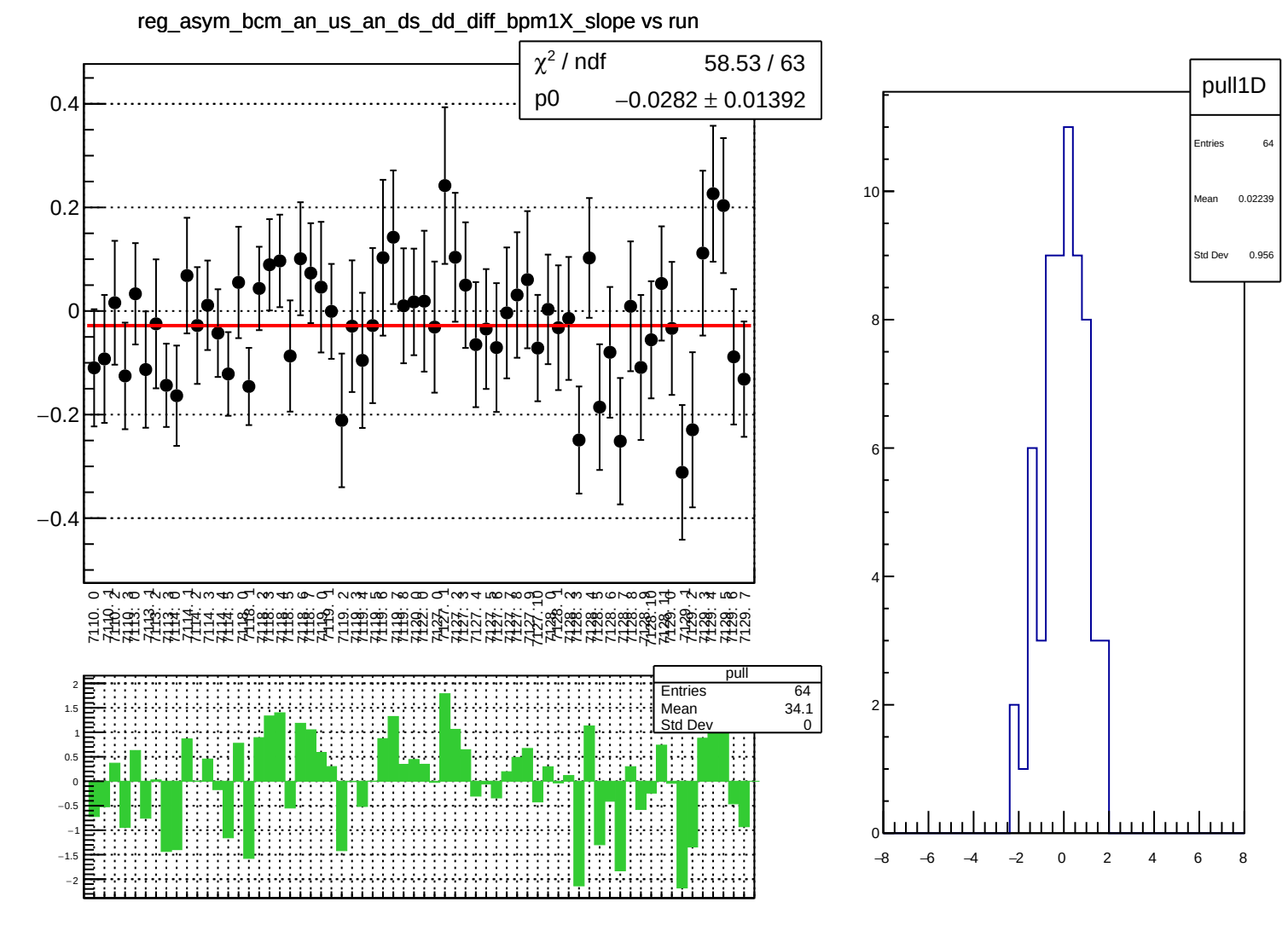

pull1D
Entries 64
Mean −0.02042
Std Dev 1.172

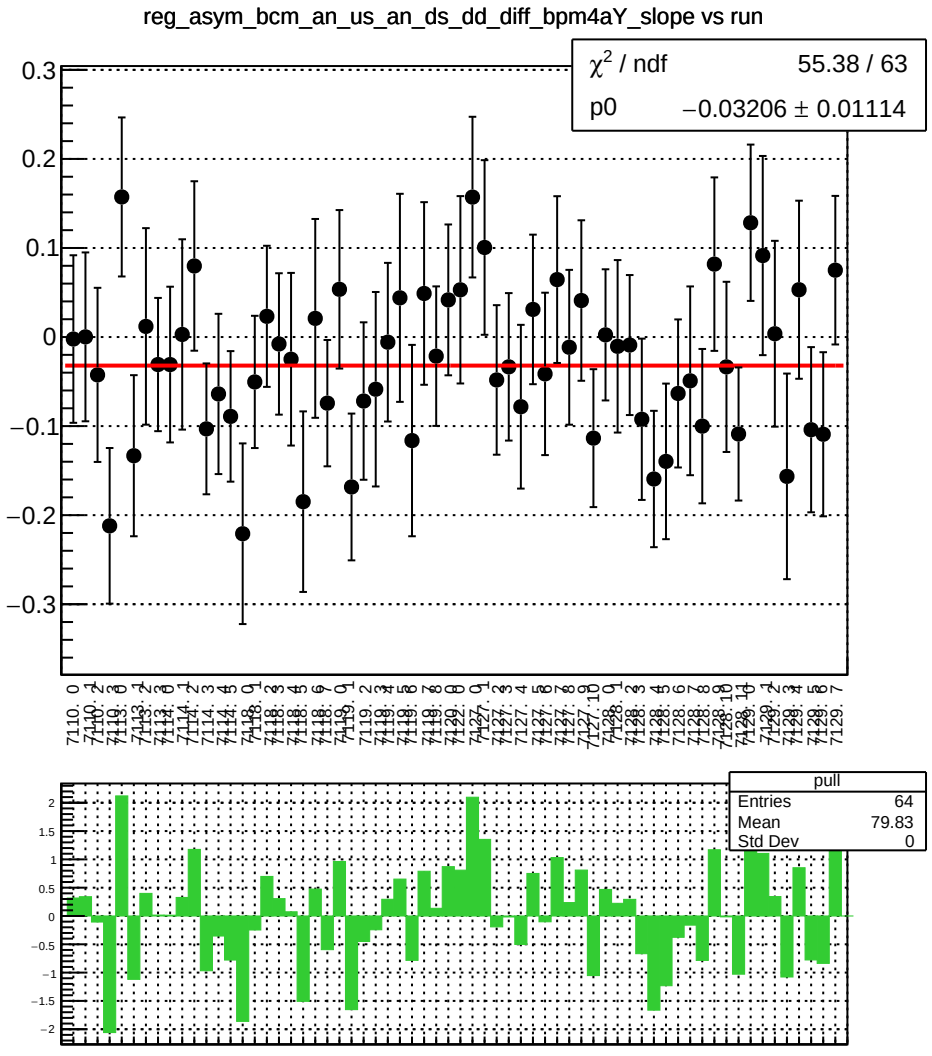

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 213.5 / 63
p0 4.269 ± 0.2237
pull
Entries 64
Mean 84.13
Std Dev 0
pull1D
Entries 64
Mean 0.3528
Std Dev 1.792

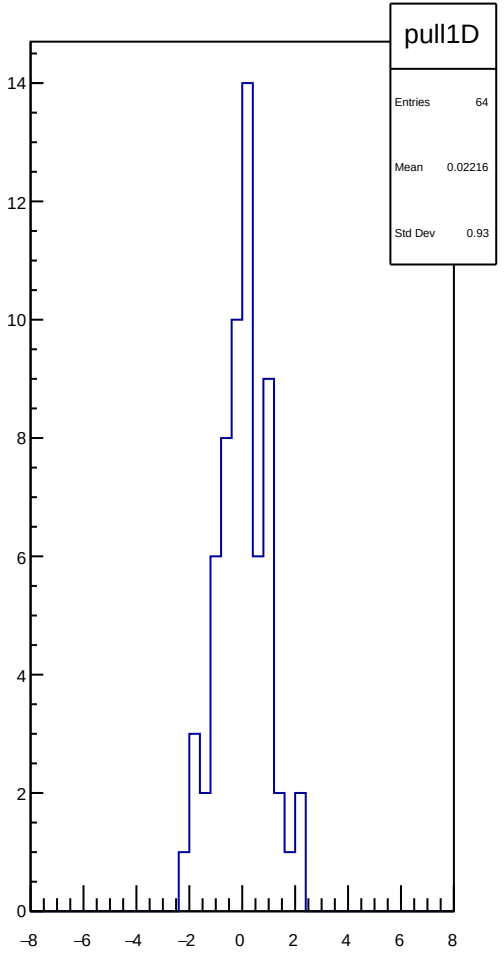

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.7 / 63
p0 −2.638 ± 0.1937
pull
Entries 64
Mean 77.82
Std Dev 0

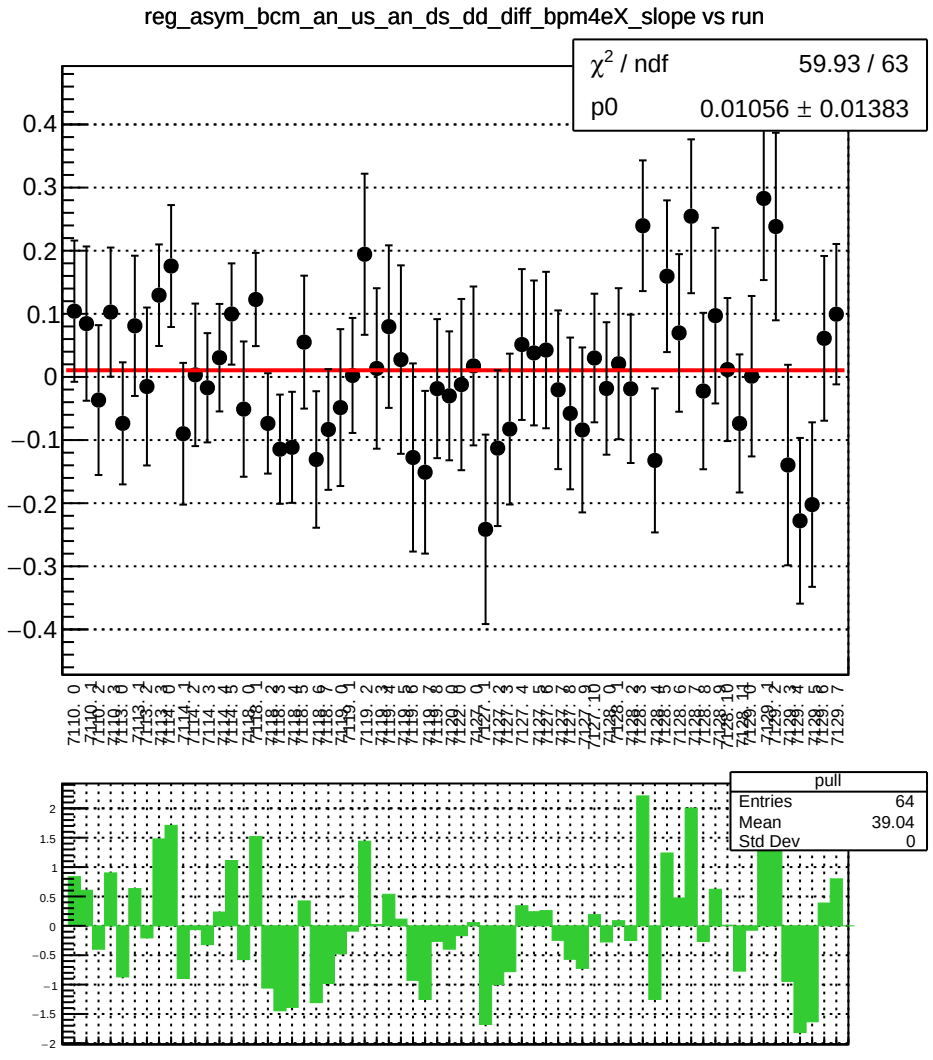

pull1D
Entries 64
Mean 0.009396
Std Dev 1.279

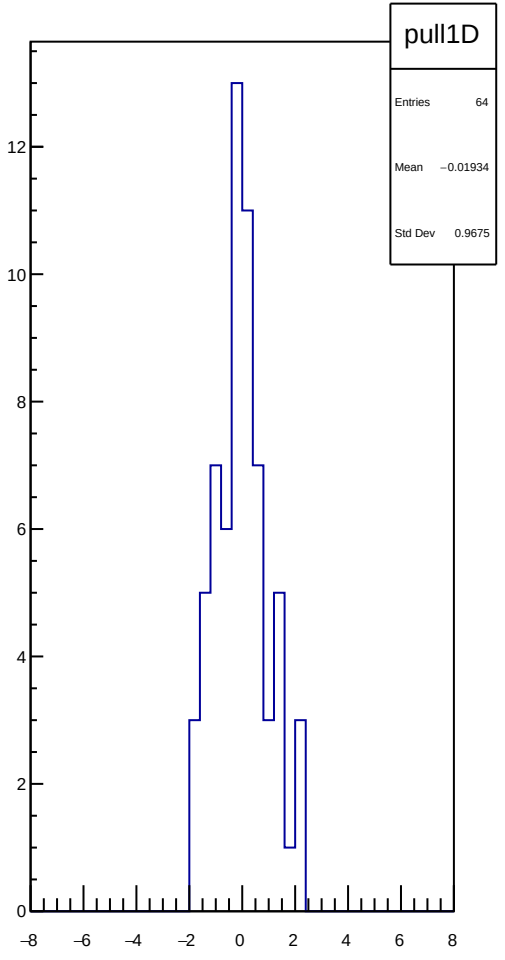

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 55.79 / 63
p0 −0.07992 ± 0.008635
pull
Entries 64
Mean 134.2
Std Dev 0
pull1D
Entries 64
Mean 0.06825
Std Dev 0.9312

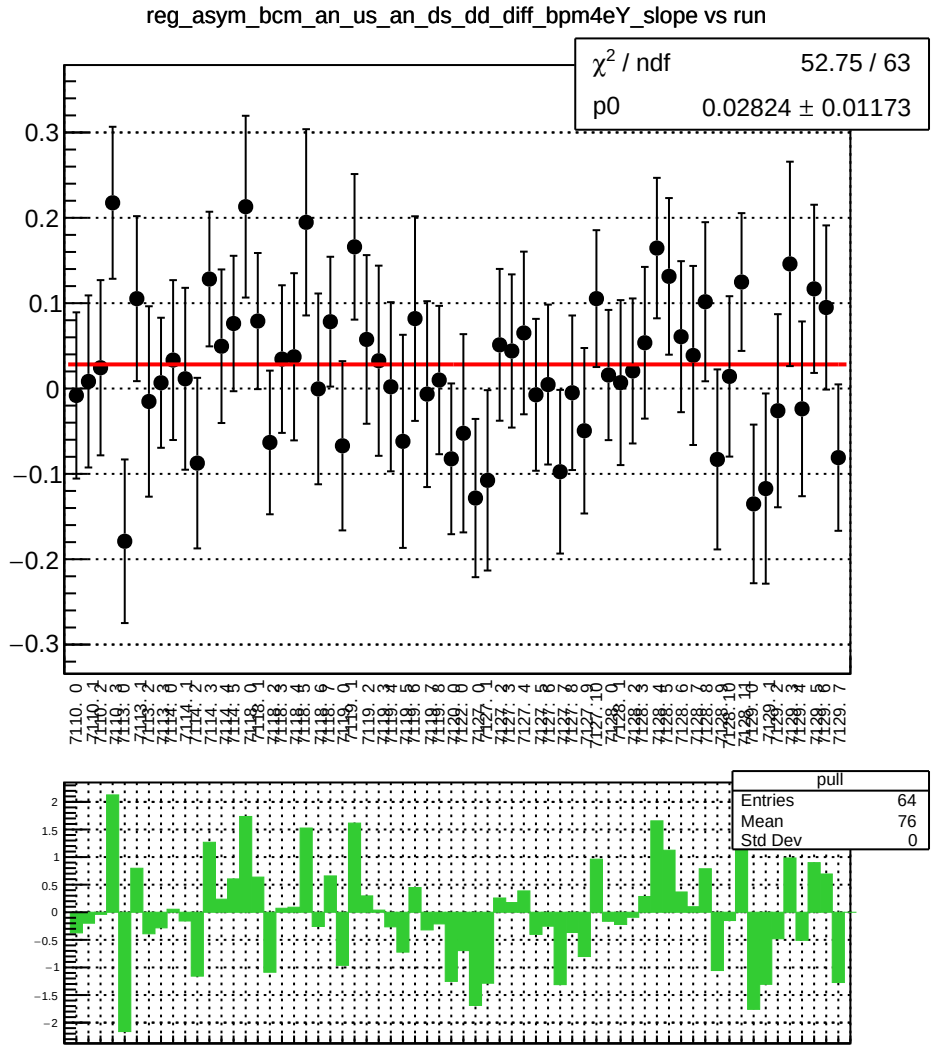

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 58.53 / 63
p0 −0.0282 ± 0.01392
0.4
0.2
0
−0.2
−0.4
pull
Entries 64
Mean 34.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 64
Mean 0.02239
Std Dev 0.956
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

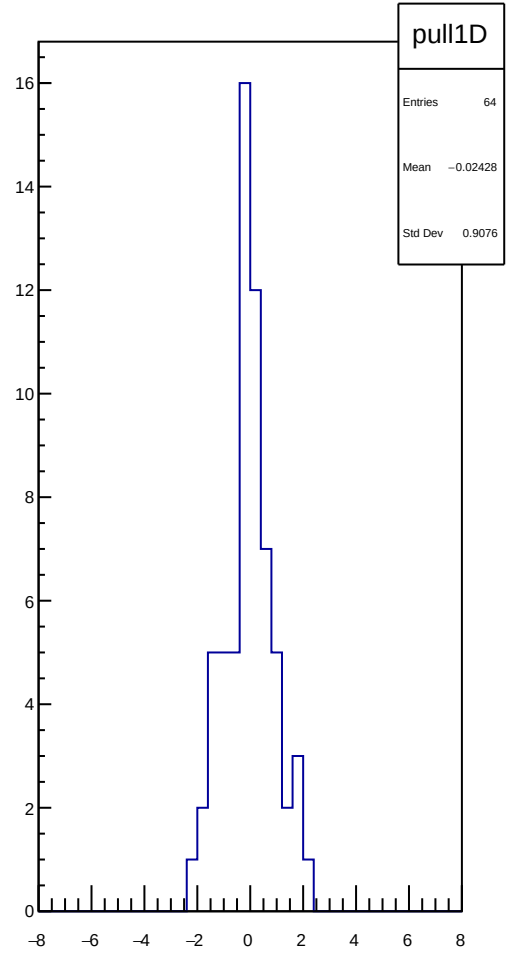

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.38 / 63
p0 −0.03206 ± 0.01114
pull
Entries 64
Mean 79.83
Std Dev 0

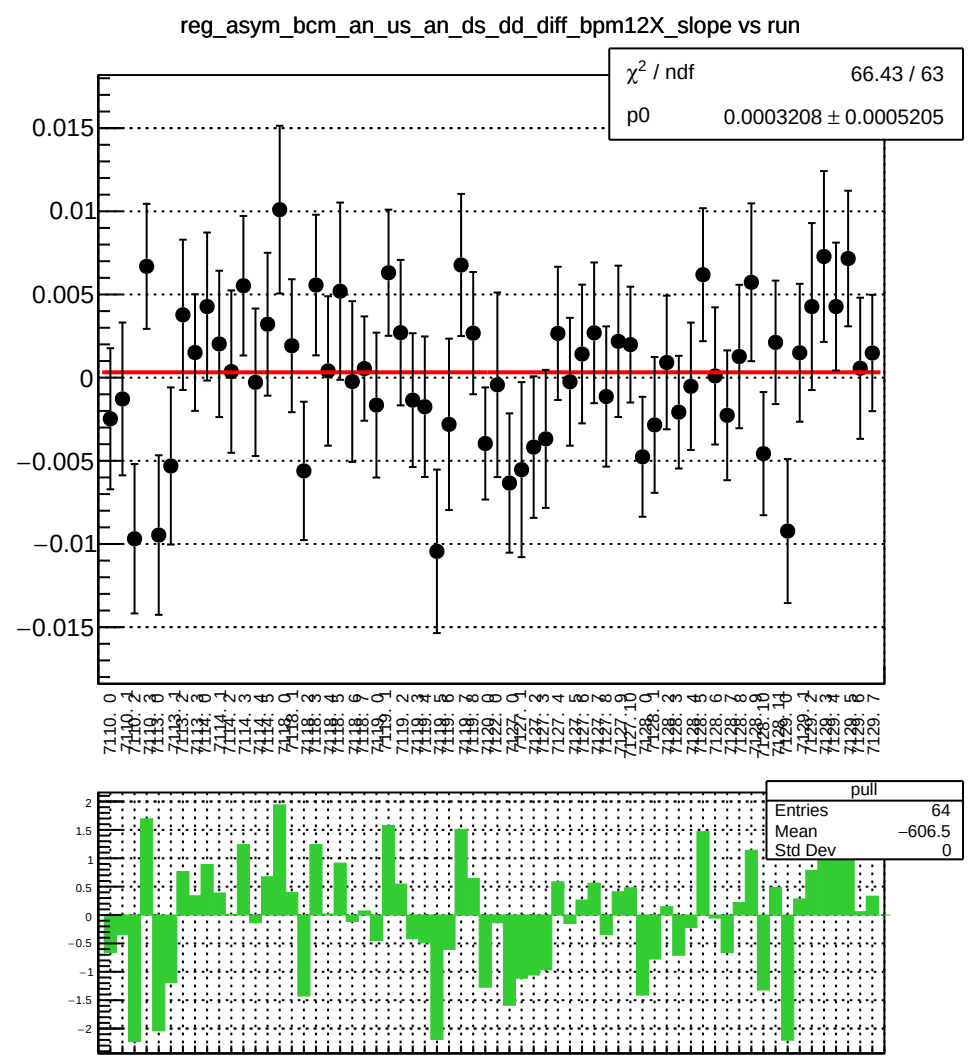

pull1D
Entries 64
Mean 0.02216
Std Dev 0.93

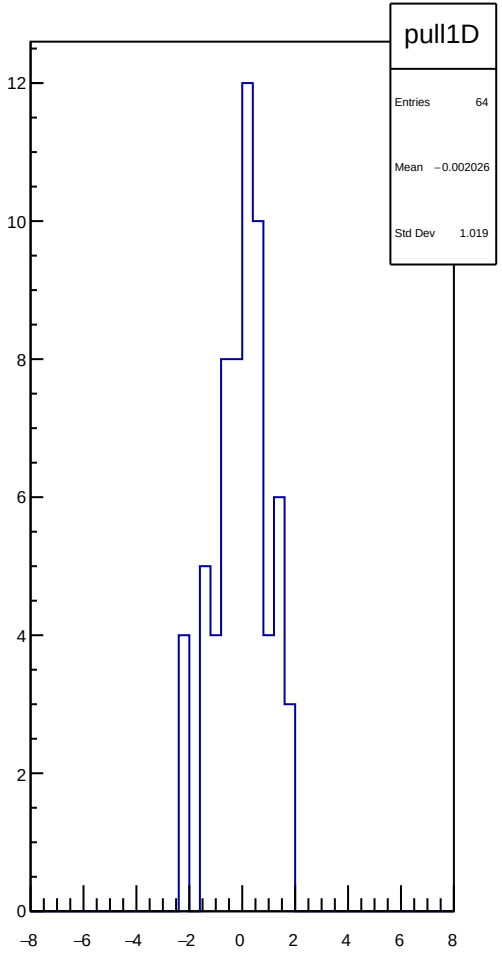

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.93 / 63
p0 0.01056 ± 0.01383
pull
Entries 64
Mean 39.04
Std Dev 0

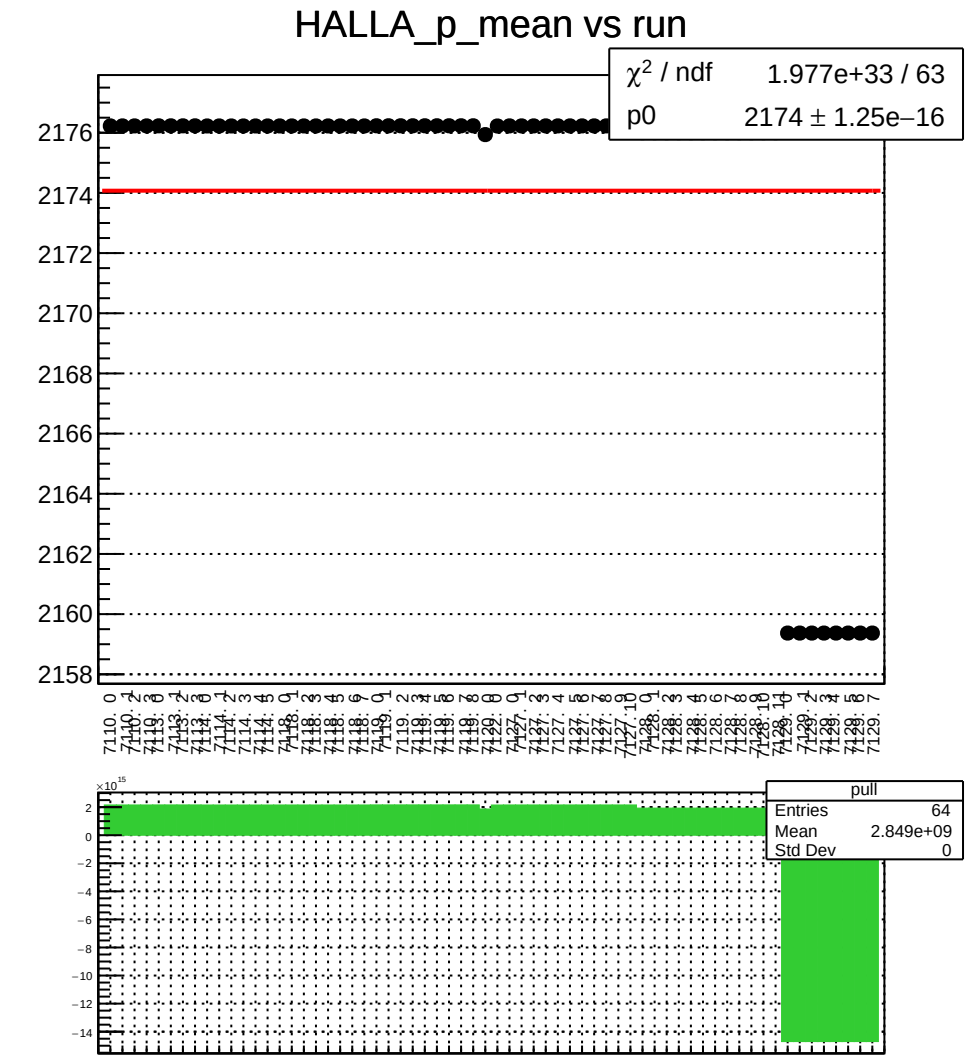

pull1D
Entries 64
Mean −0.01934
Std Dev 0.9675

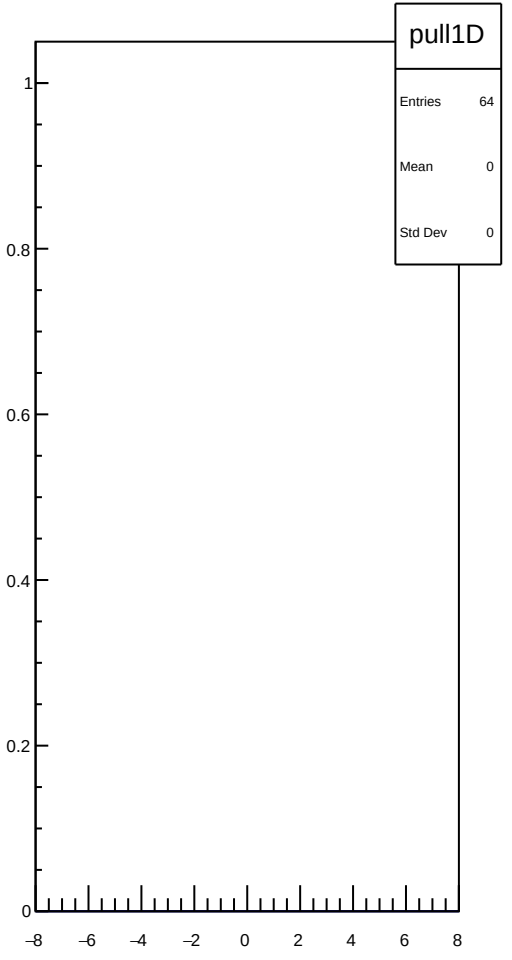

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.75 / 63
p0 0.02824 ± 0.01173
pull
Entries 64
Mean 76
Std Dev 0

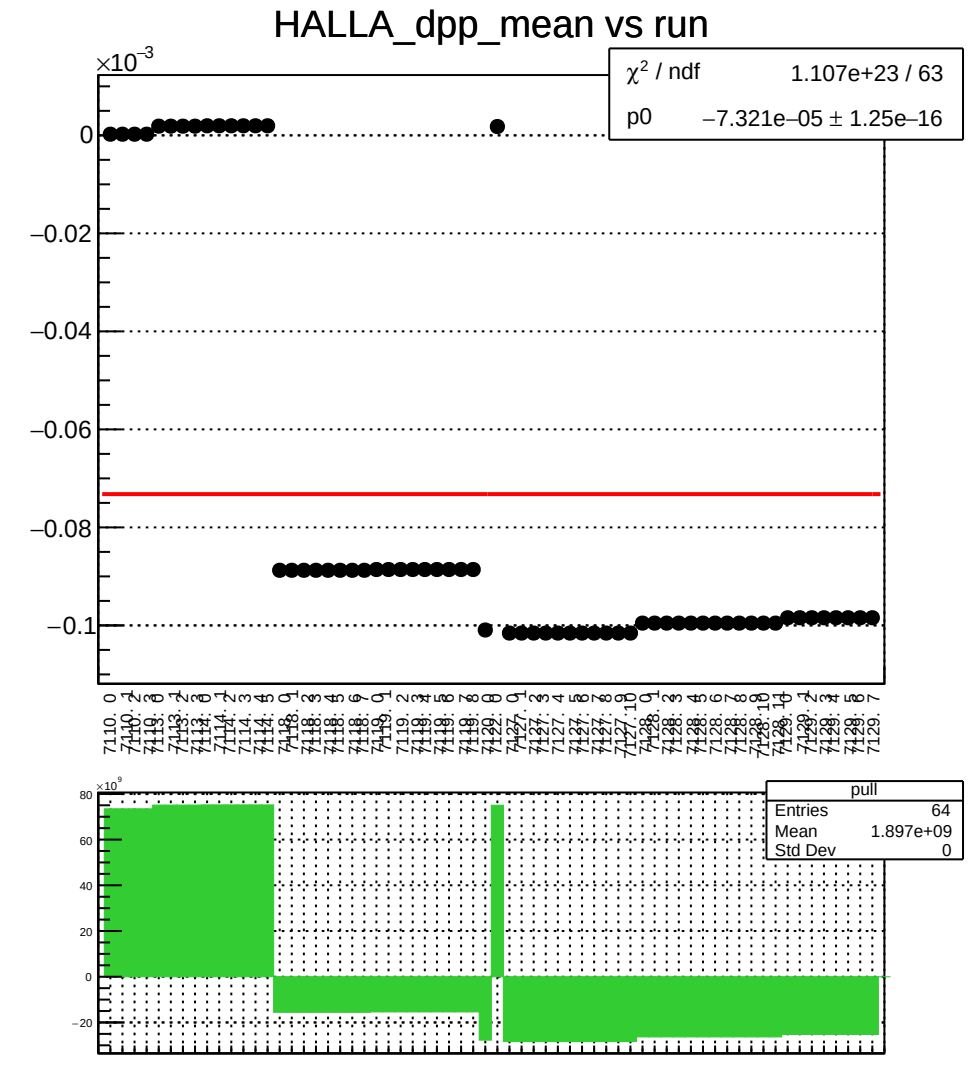

pull1D
Entries 64
Mean −0.02428
Std Dev 0.9076

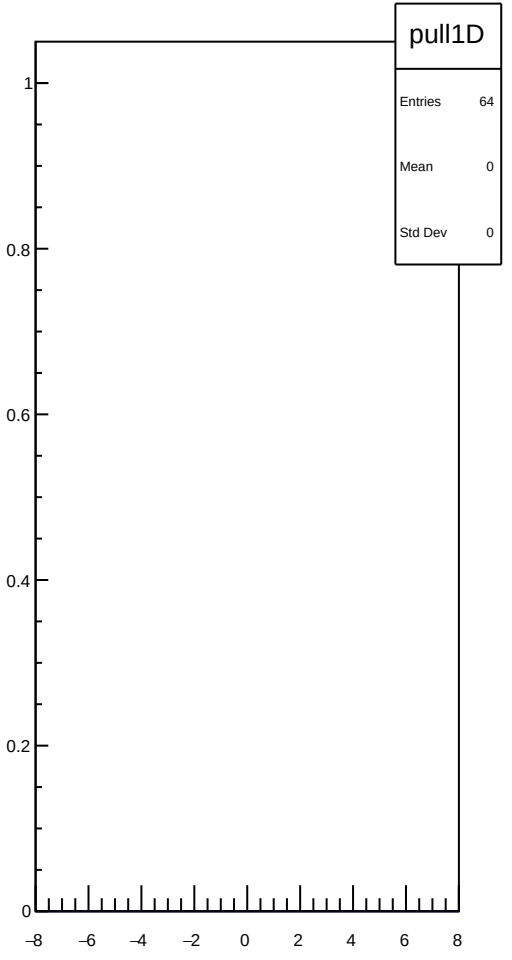

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 66.43 / 63
p0 0.0003208 ± 0.0005205
pull
Entries 64
Mean −606.5
Std Dev 0

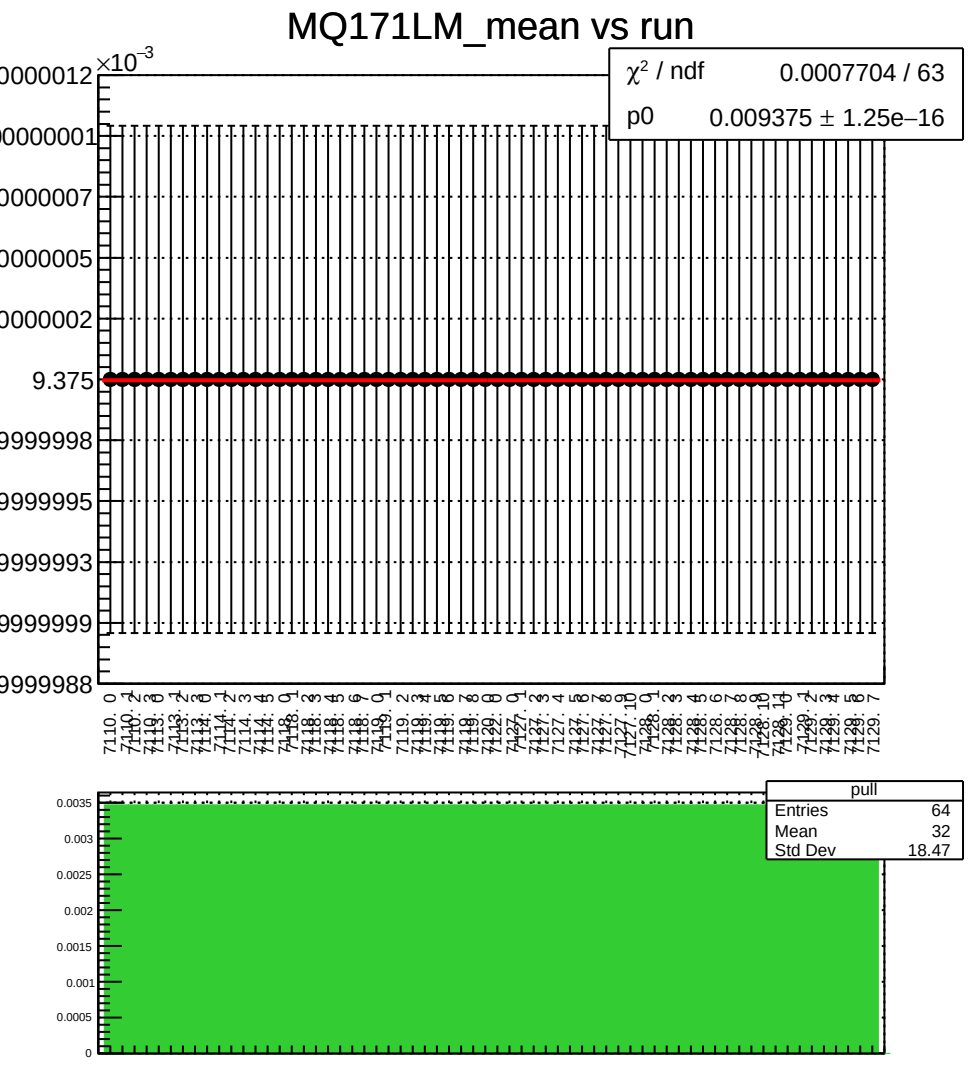

pull1D
Entries 64
Mean −0.002026
Std Dev 1.019

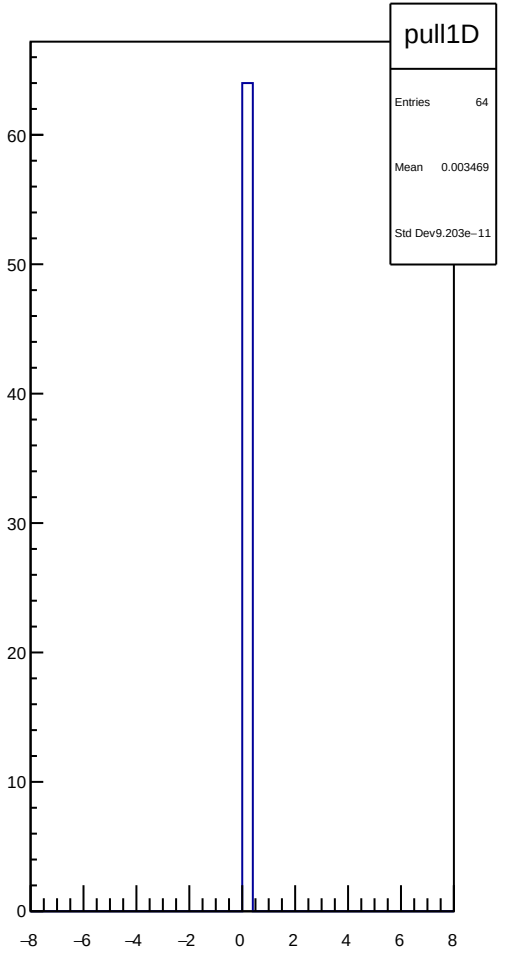

HALLA_p_mean vs run
χ² / ndf 1.977e+33 / 63
p0 2174 ± 1.25e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
pull
Entries 64
Mean 2.849e+09
Std Dev 0
×10¹⁵
2
0
−2
−4
−6
−8
−10
−12
−14

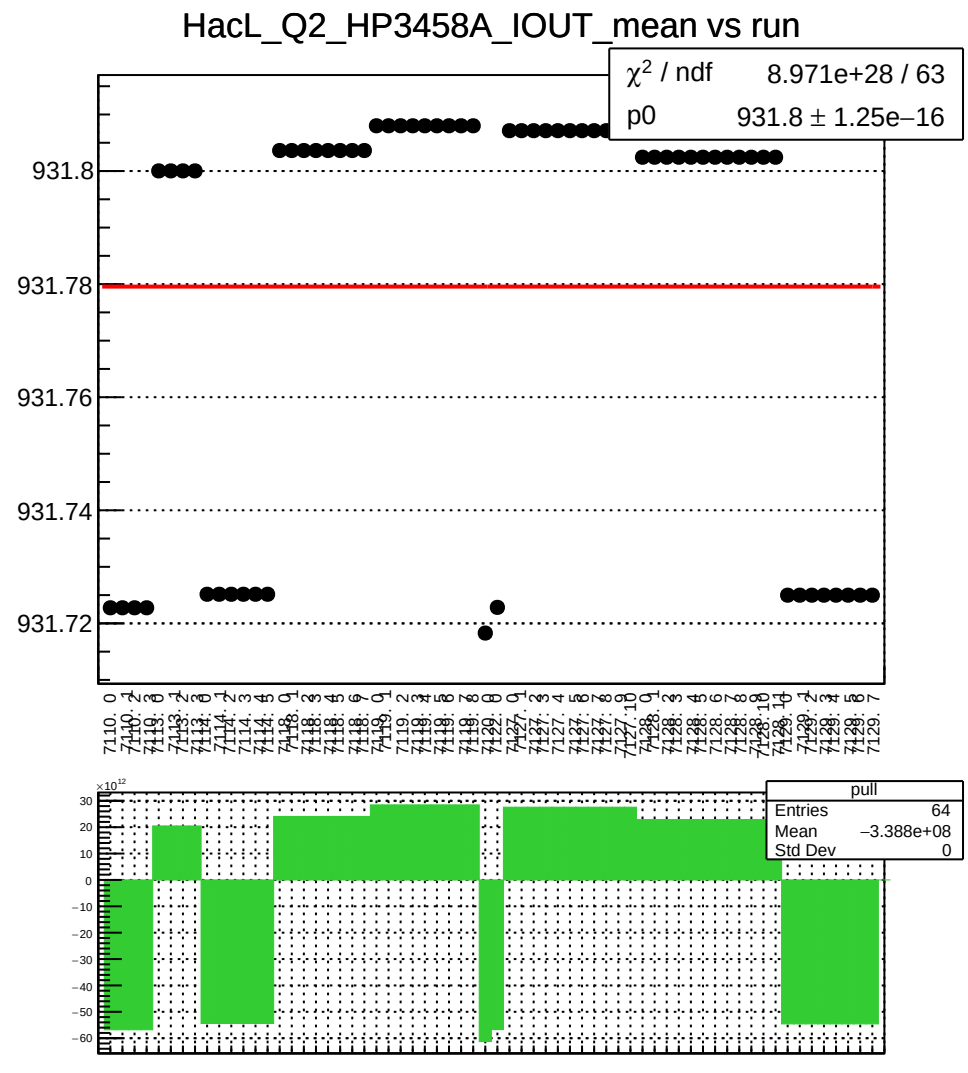

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

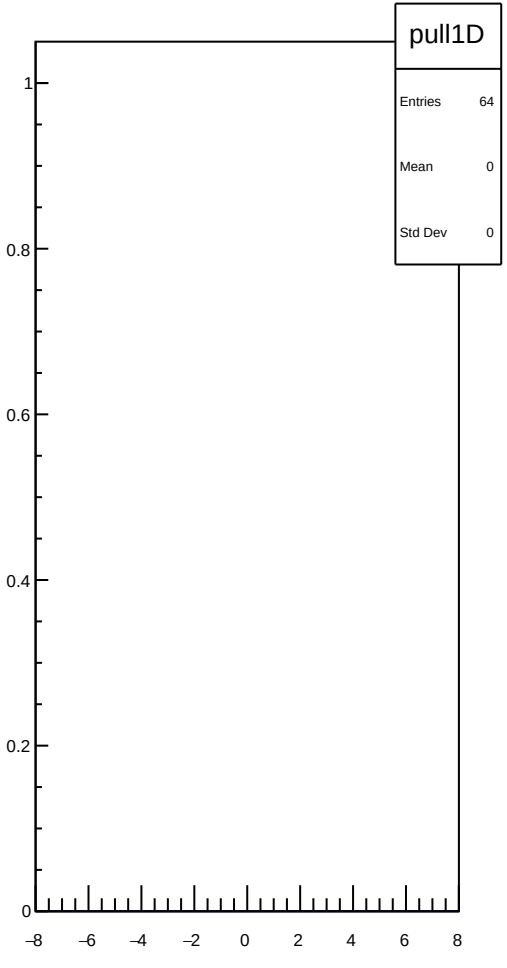

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 1.107e+23 / 63
p0 −7.321e−05 ± 1.25e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
×10⁹
pull
Entries 64
Mean 1.897e+09
Std Dev 0
80
60
40
20
0
−20

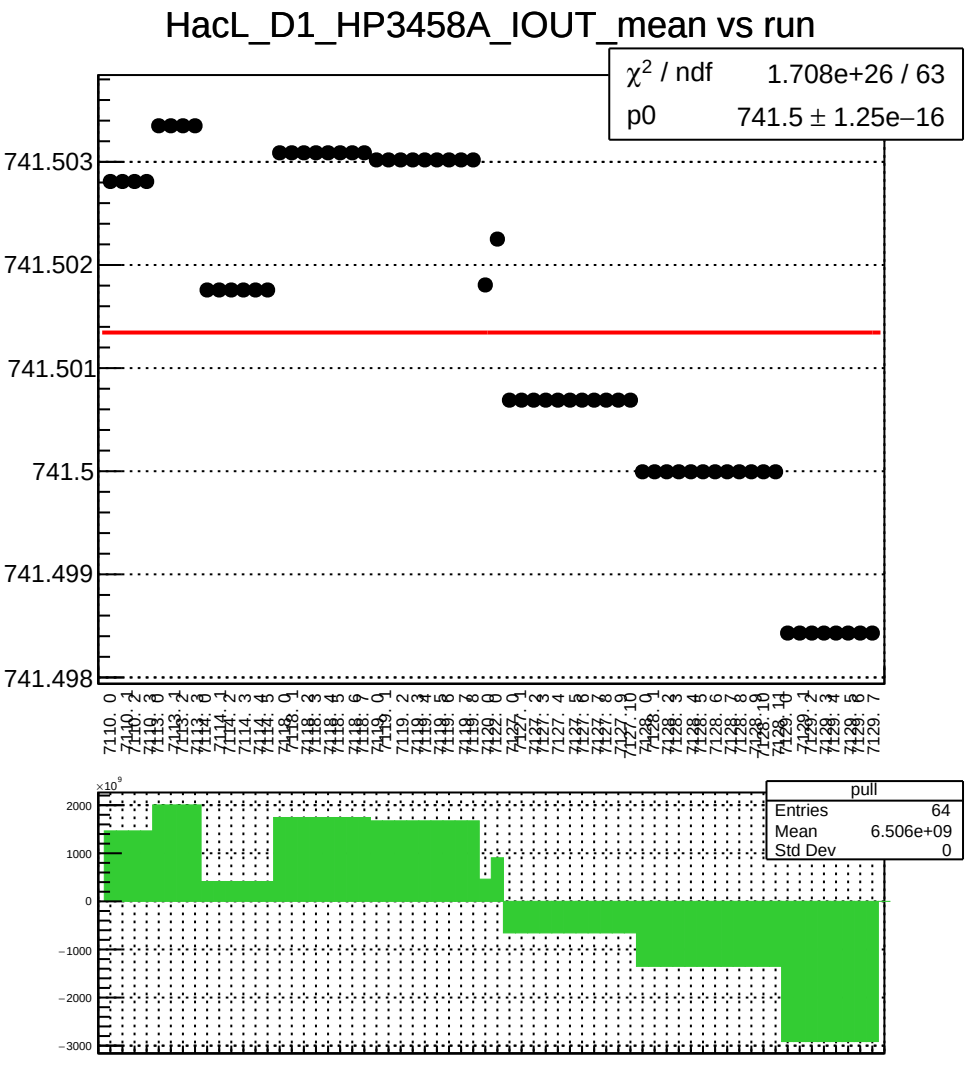

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

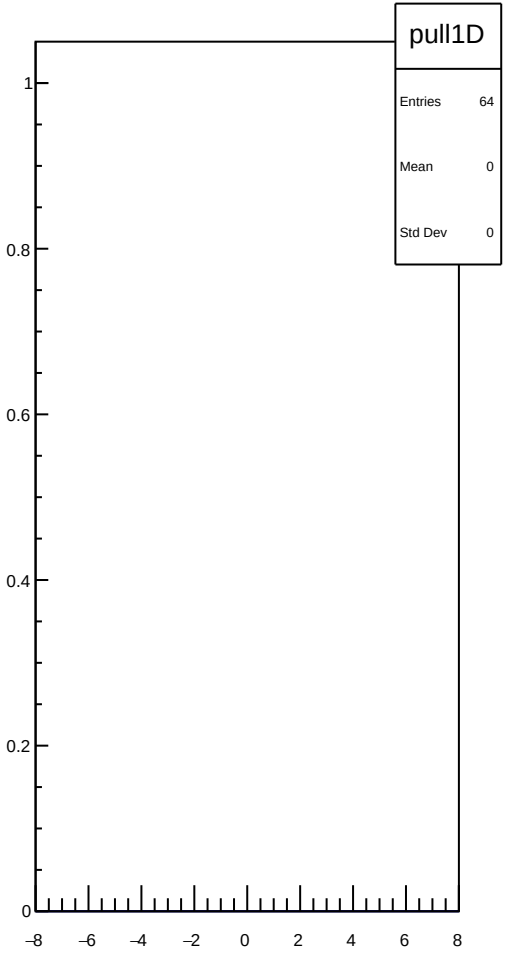

MQ171LM_mean vs run
χ² / ndf 0.0007704 / 63
p0 0.009375 ± 1.25e−16
×10⁻³
pull
Entries 64
Mean 32
Std Dev 18.47

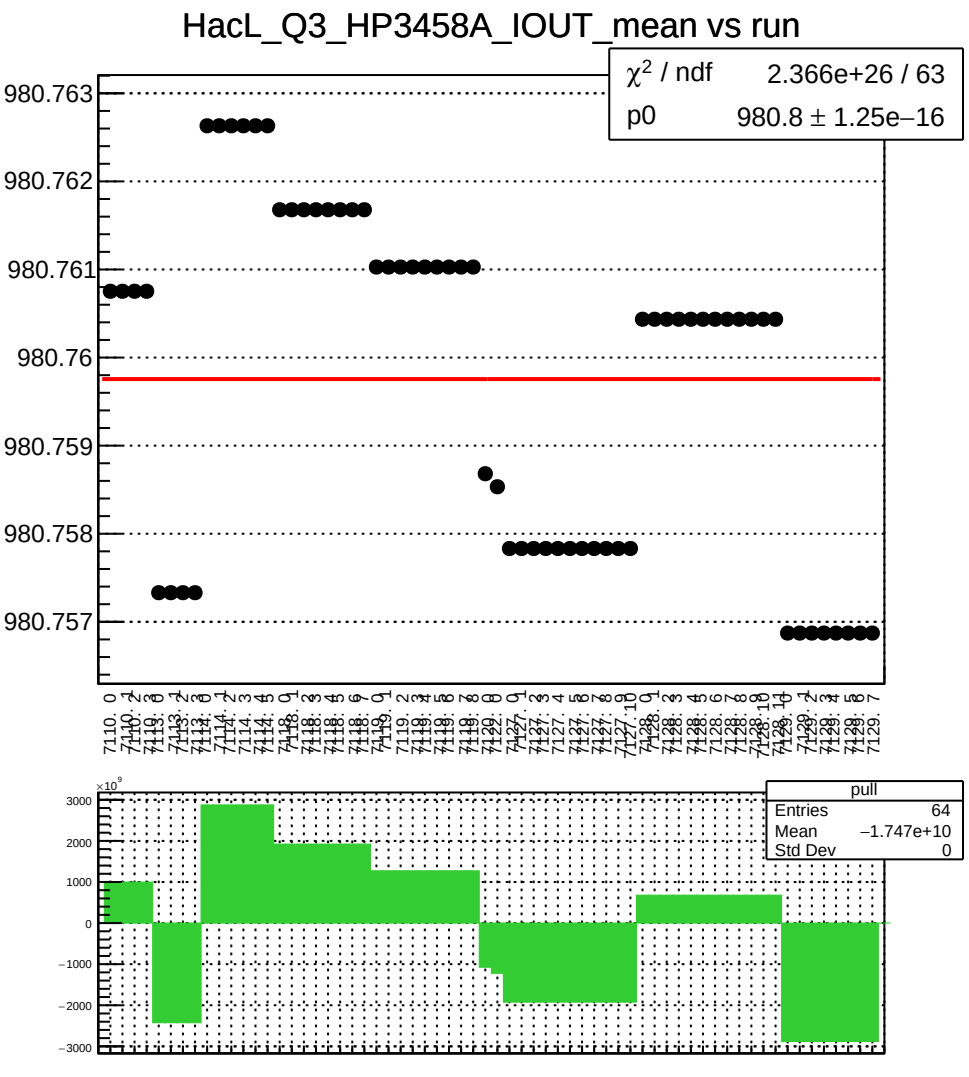

pull1D
Entries 64
Mean 0.003469
Std Dev9.203e−11

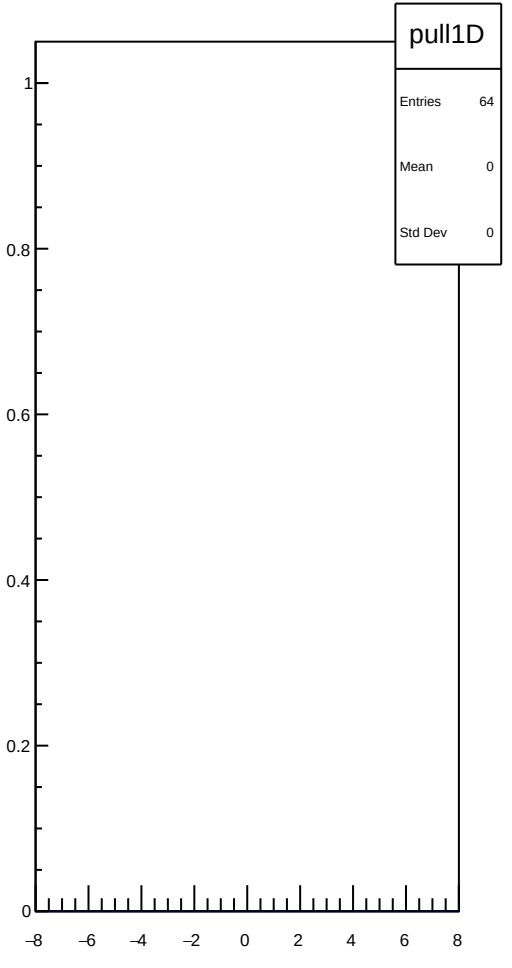

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 8.971e+28 / 63
p0 931.8 ± 1.25e−16
931.8
931.78
931.76
931.74
931.72
pull
Entries 64
Mean −3.388e+08
Std Dev 0
×10¹²
30
20
10
0
−10
−20
−30
−40
−50
−60

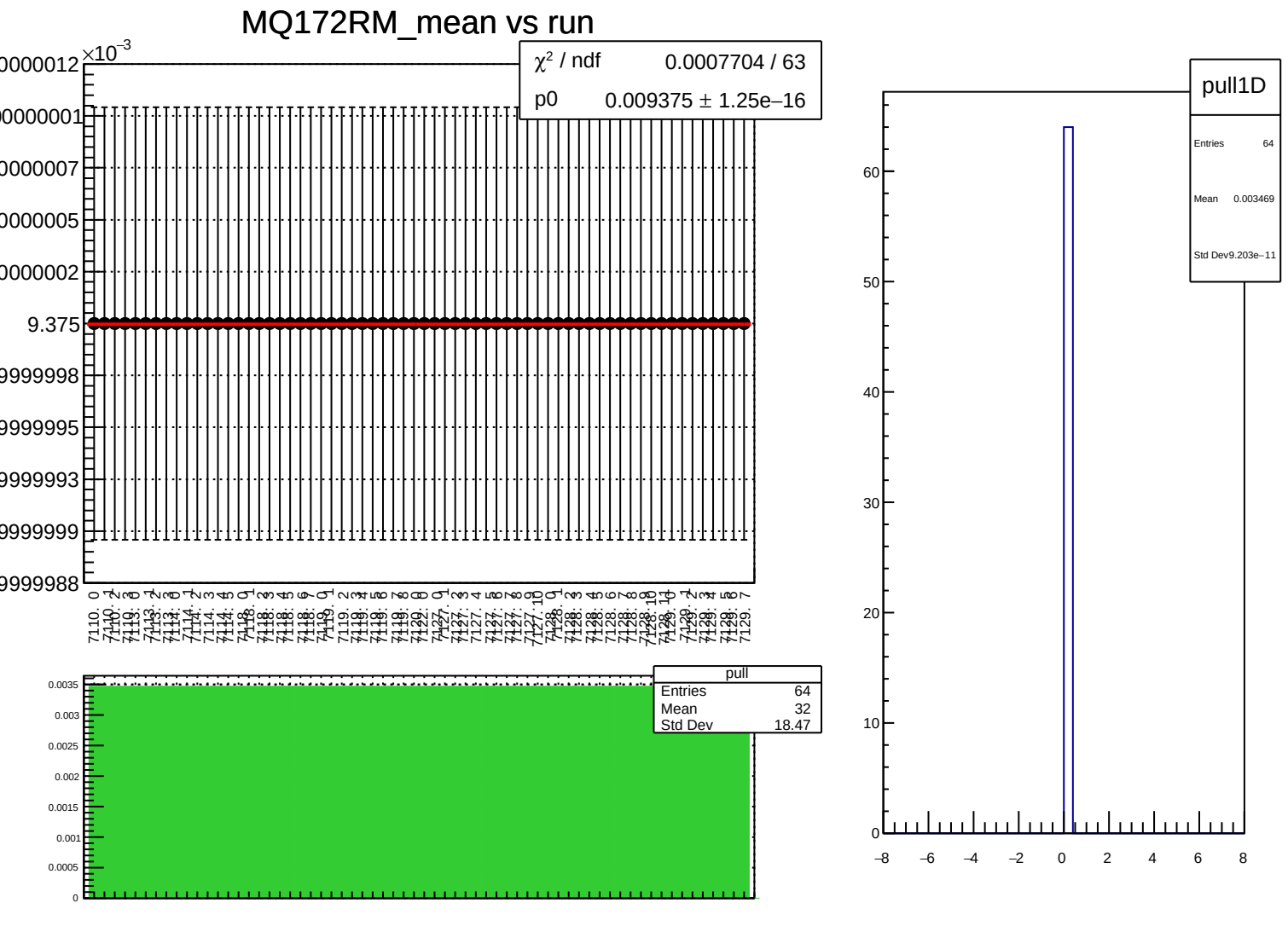

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

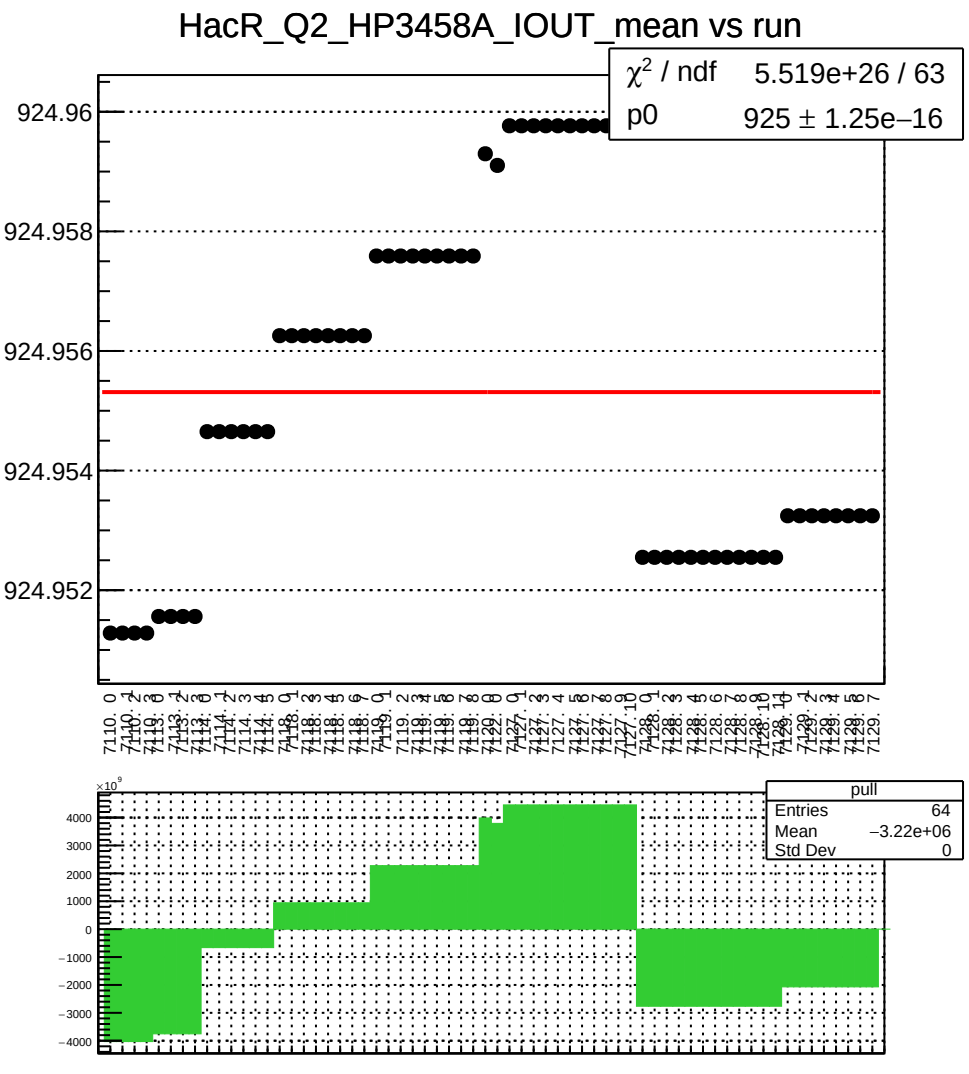

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.708e+26 / 63
p0 741.5 ± 1.25e−16
741.503
741.502
741.501
741.5
741.499
741.498
×10⁹
2000
1000
0
−1000
−2000
−3000
pull
Entries 64
Mean 6.506e+09
Std Dev 0

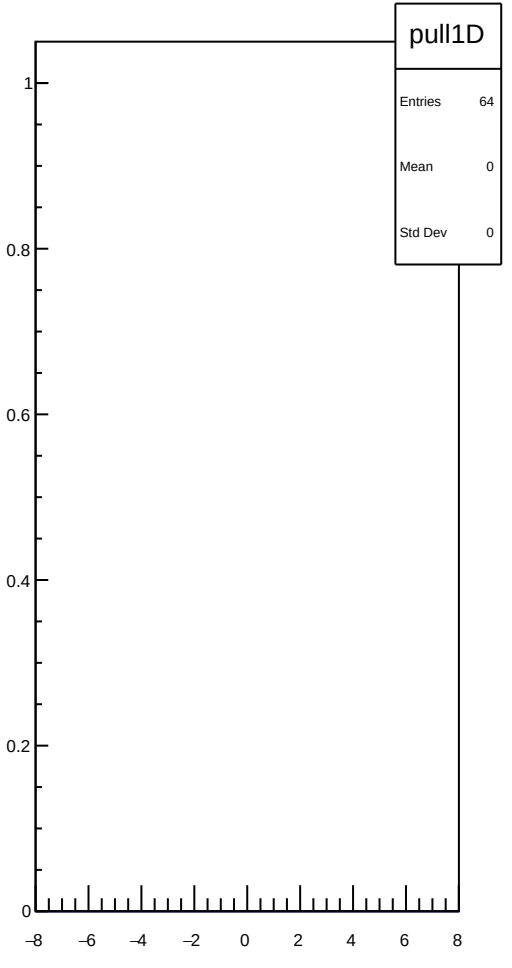

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

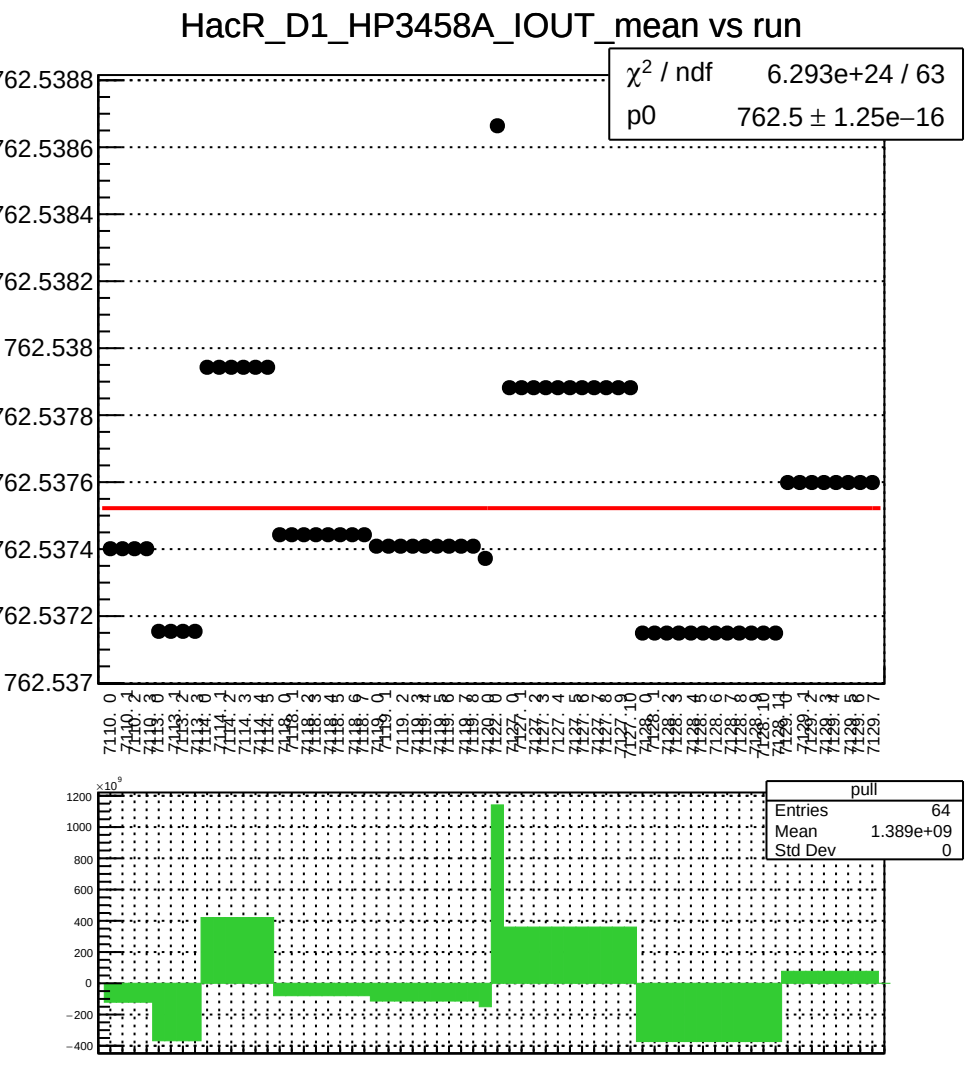

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.366e+26 / 63
p0 980.8 ± 1.25e−16
980.763
980.762
980.761
980.76
980.759
980.758
980.757
pull
Entries 64
Mean −1.747e+10
Std Dev 0
×10⁹
3000
2000
1000
0
−1000
−2000
−3000

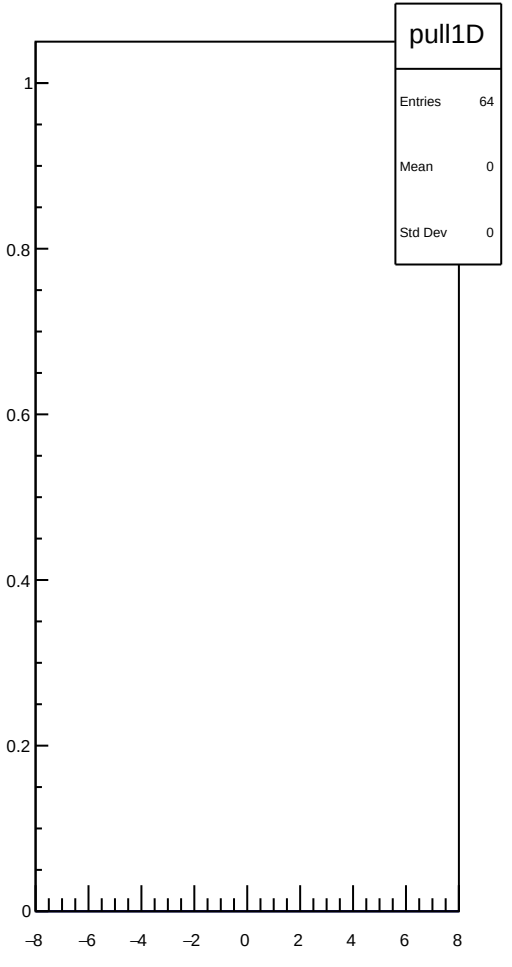

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

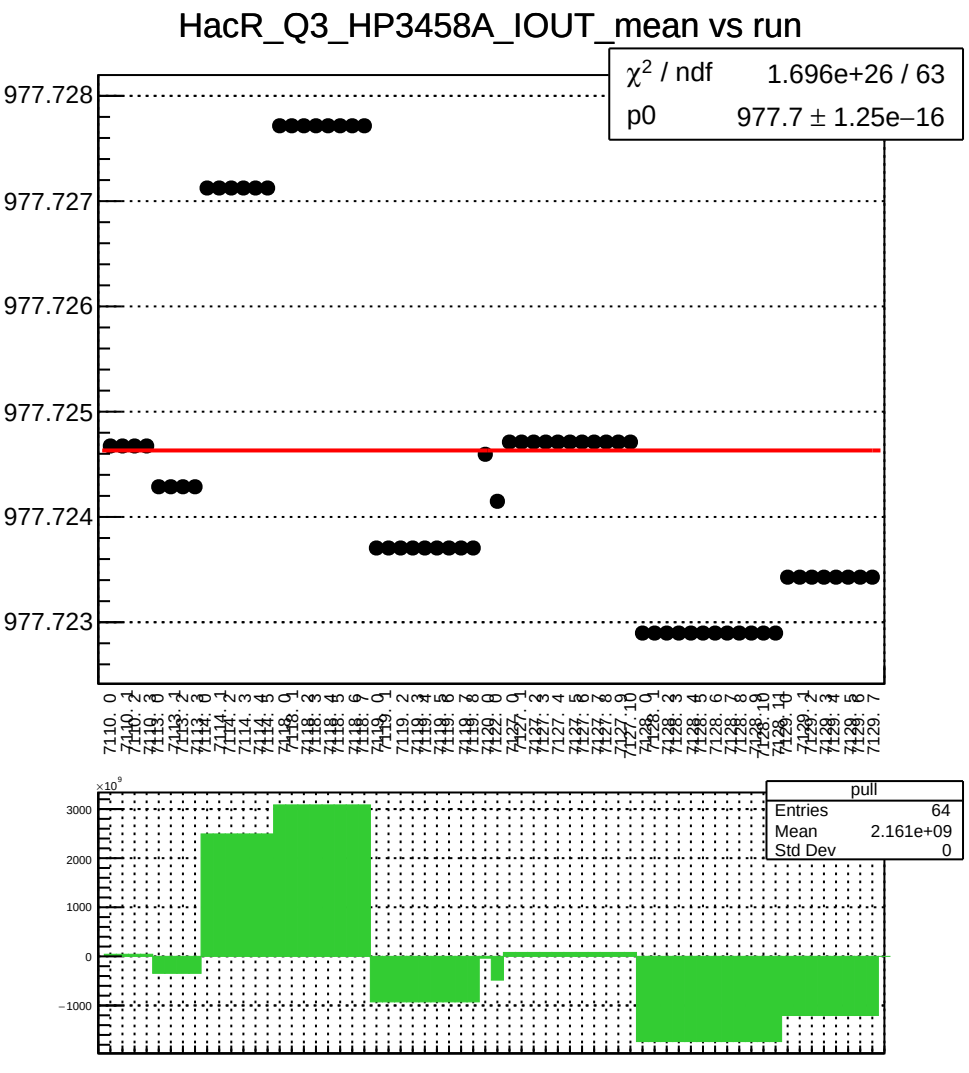

MQ172RM_mean vs run
χ² / ndf 0.0007704 / 63
p0 0.009375 ± 1.25e−16
×10⁻³
pull
Entries 64
Mean 32
Std Dev 18.47
pull1D
Entries 64
Mean 0.003469
Std Dev9.203e−11

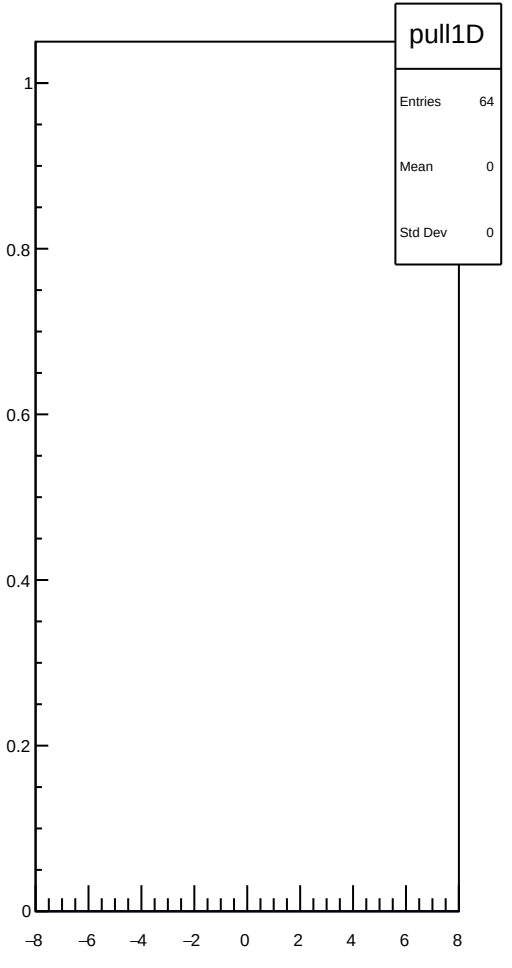

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 5.519e+26 / 63
p0 925 ± 1.25e−16
924.96
924.958
924.956
924.954
924.952
pull
Entries 64
Mean −3.22e+06
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000

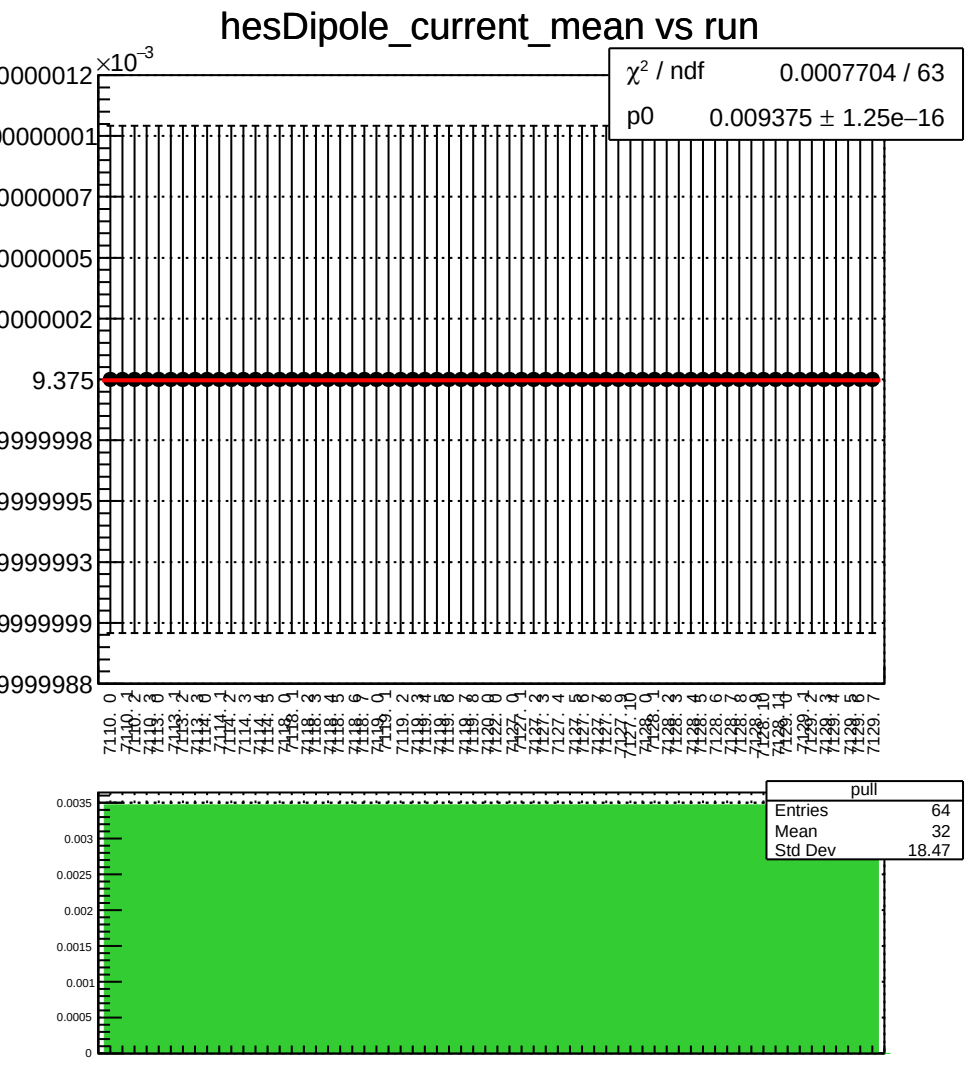

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

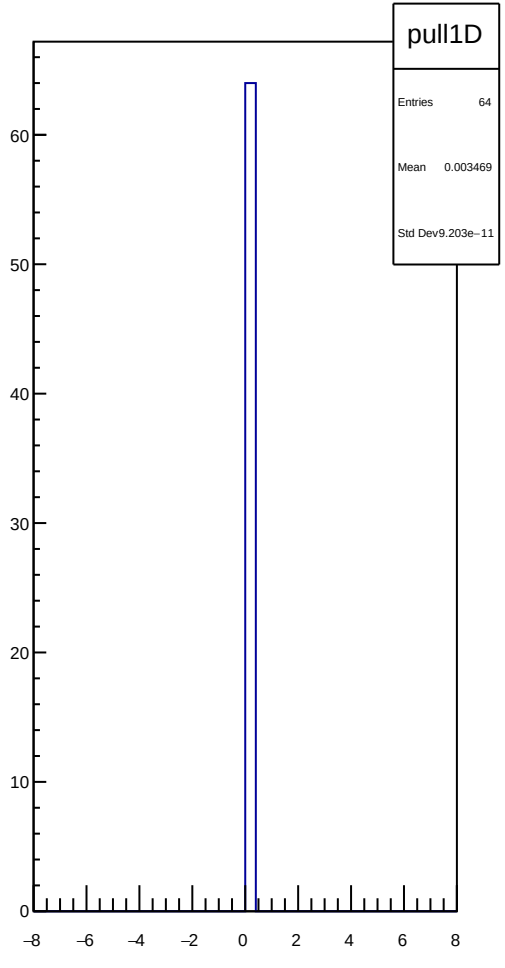

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 6.293e+24 / 63
p0 762.5 ± 1.25e−16
762.5388
762.5386
762.5384
762.5382
762.538
762.5378
762.5376
762.5374
762.5372
762.537
×10⁹
1200
1000
800
600
400
200
0
−200
−400
pull
Entries 64
Mean 1.389e+09
Std Dev 0

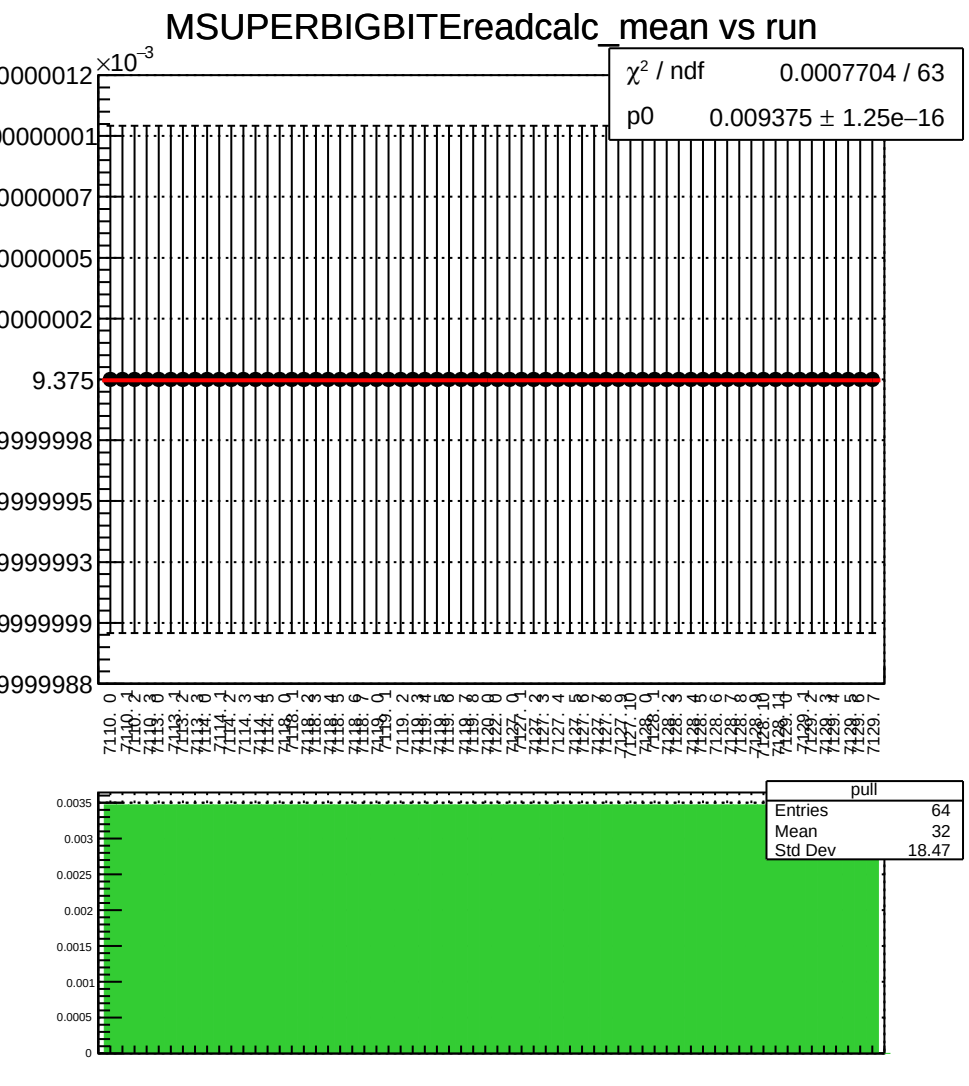

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

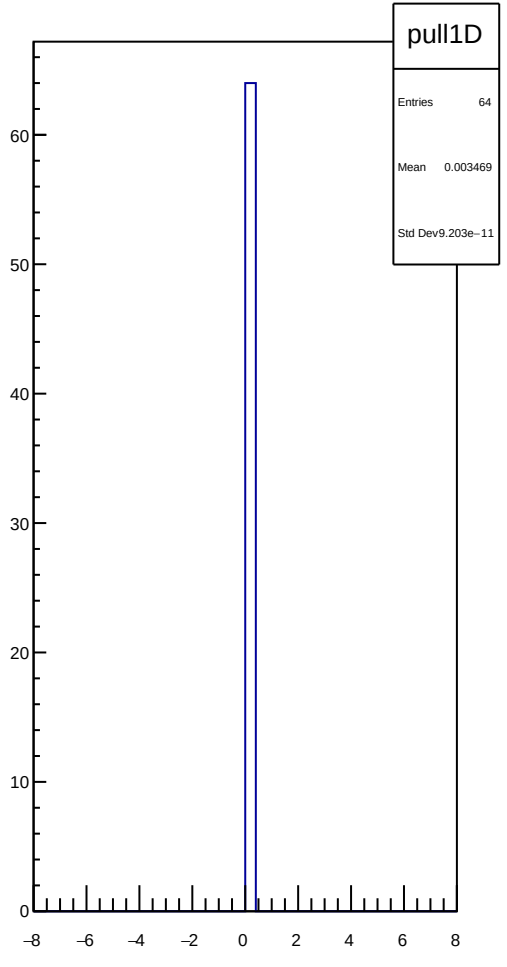

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.696e+26 / 63
p0 977.7 ± 1.25e−16
977.728
977.727
977.726
977.725
977.724
977.723
pull
Entries 64
Mean 2.161e+09
Std Dev 0
×10⁹
3000
2000
1000
0
−1000

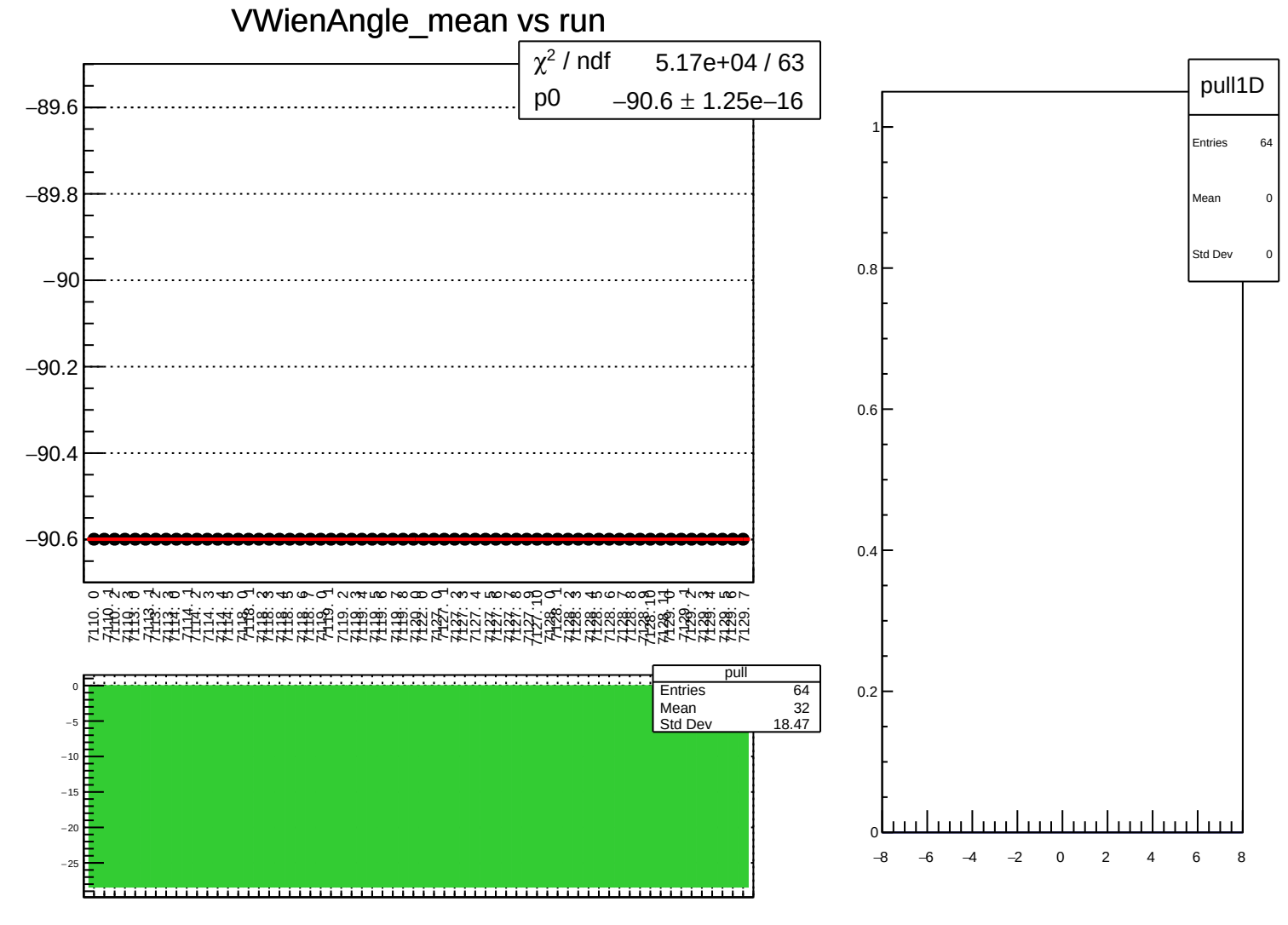

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

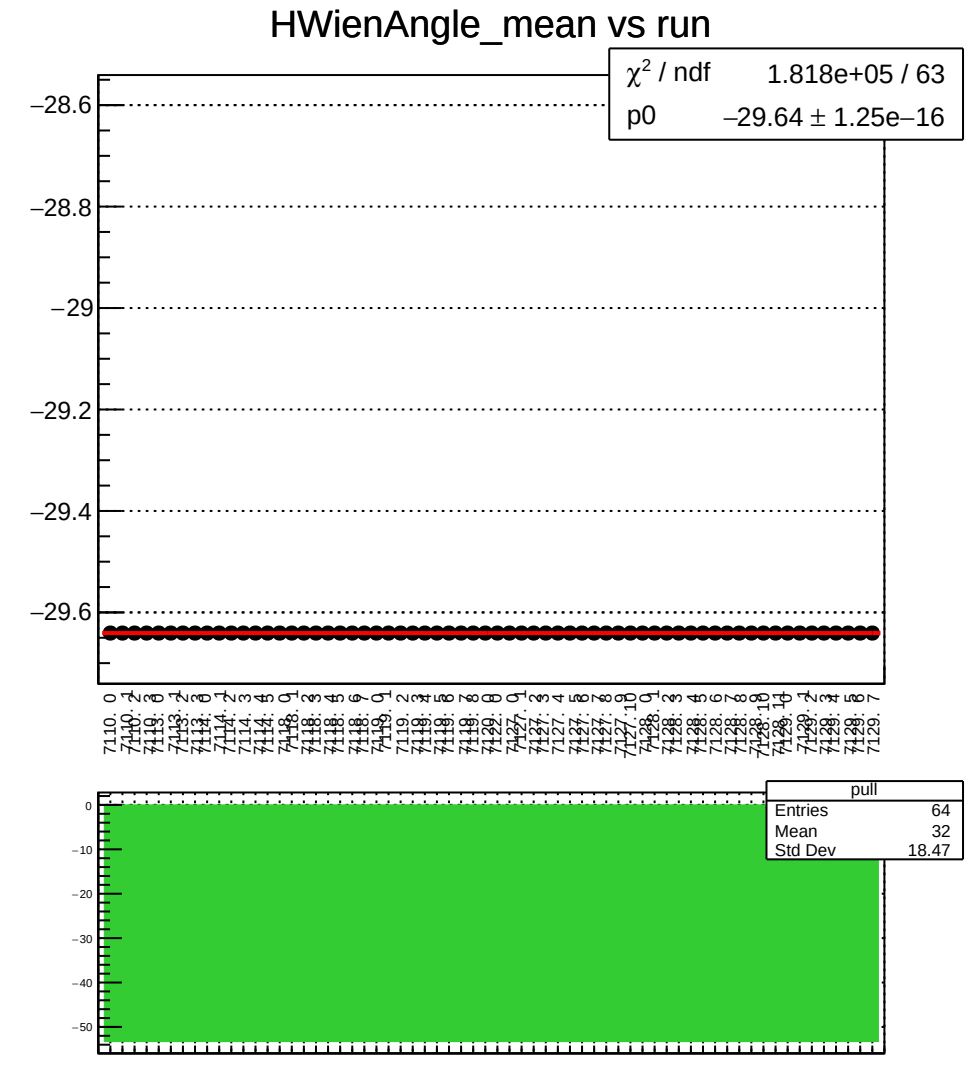

hesDipole_current_mean vs run
χ² / ndf 0.0007704 / 63
p0 0.009375 ± 1.25e−16
×10⁻³
pull
Entries 64
Mean 32
Std Dev 18.47

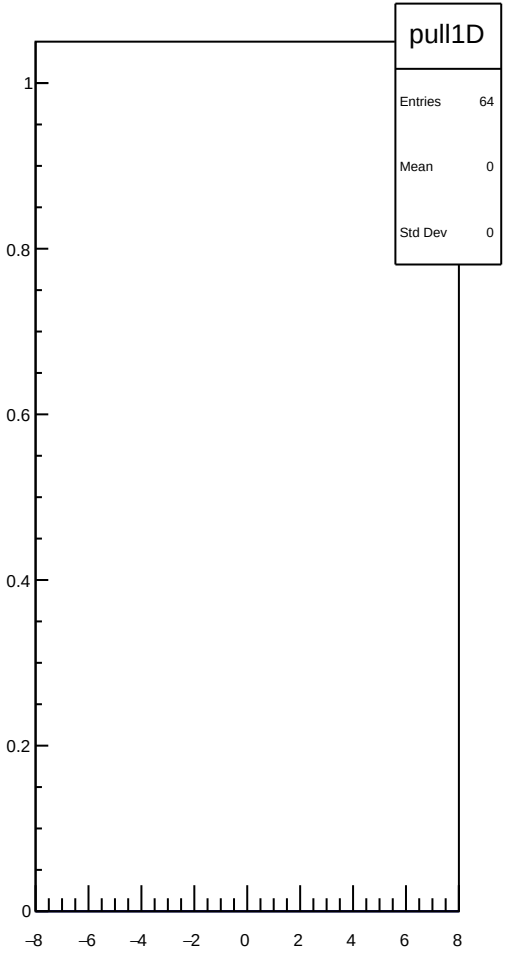

pull1D
Entries 64
Mean 0.003469
Std Dev9.203e−11

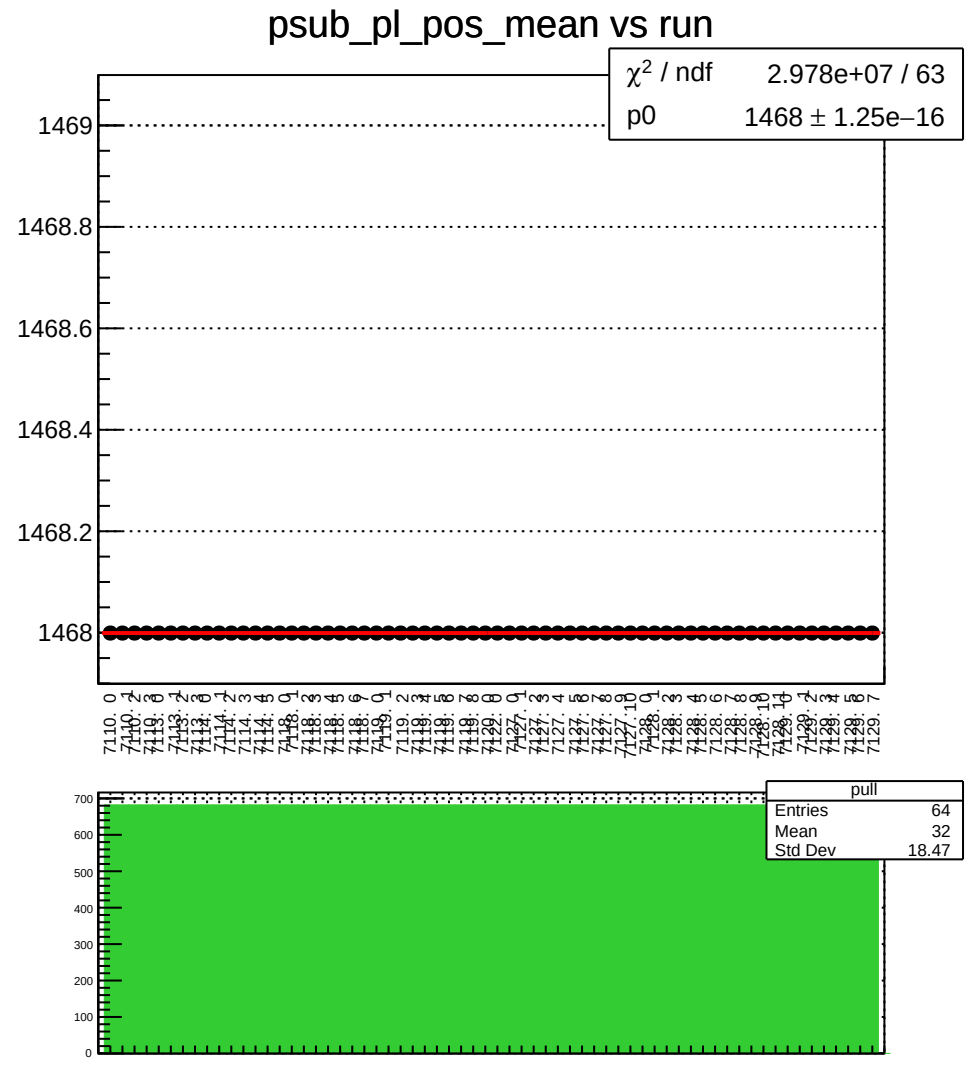

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0007704 / 63
p0 0.009375 ± 1.25e−16
×10⁻³
pull
Entries 64
Mean 32
Std Dev 18.47

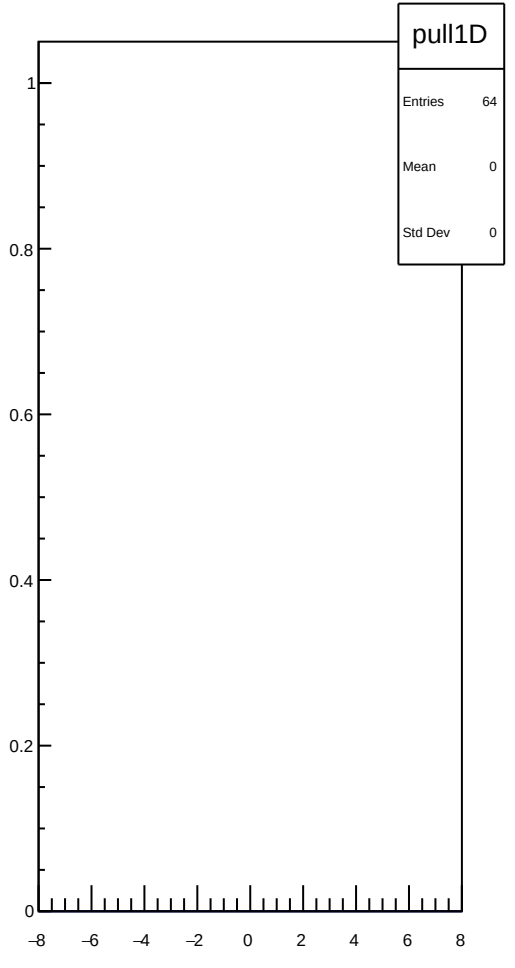

pull1D
Entries 64
Mean 0.003469
Std Dev 9.203e−11

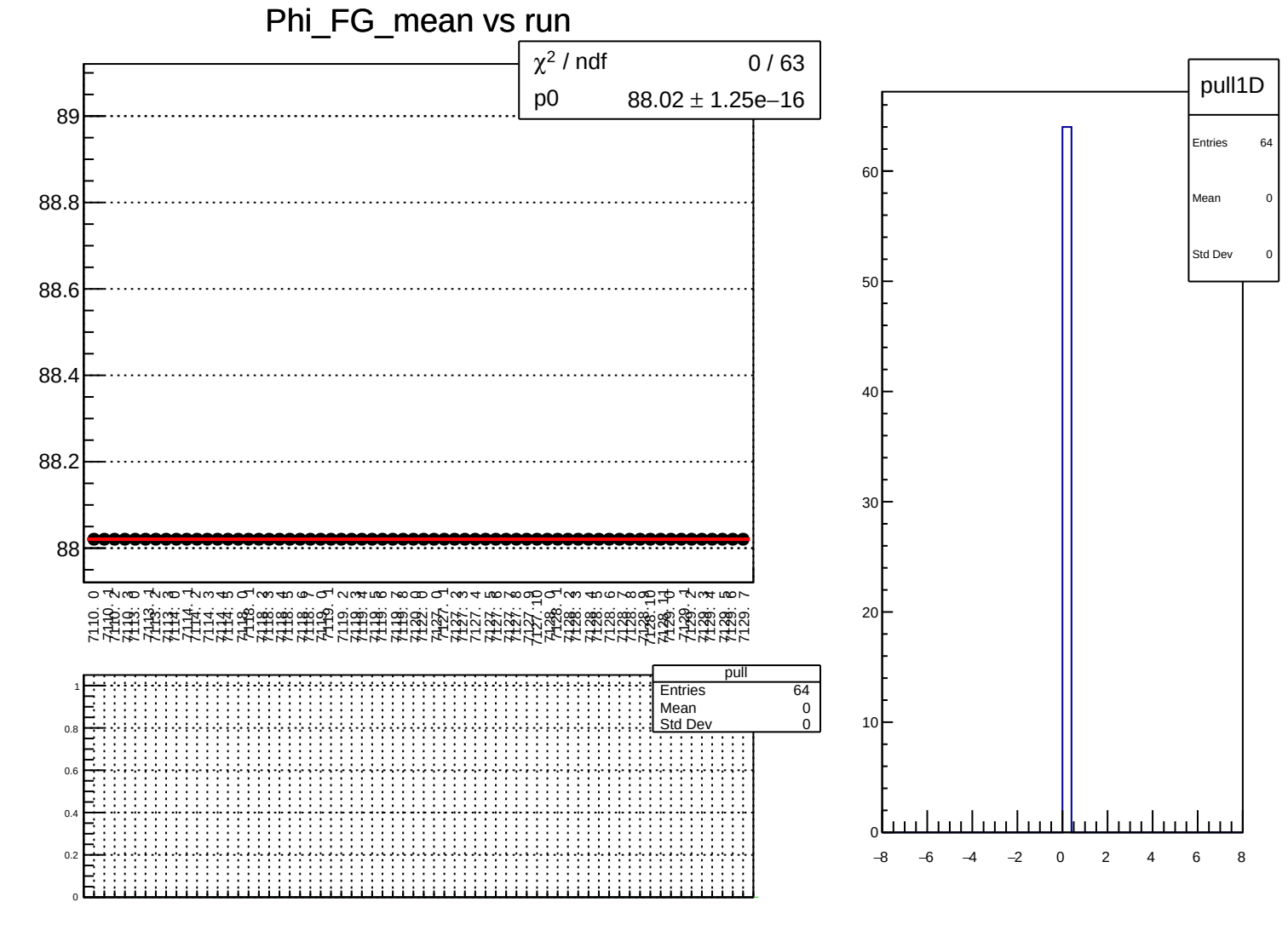

VWienAngle_mean vs run
χ² / ndf 5.17e+04 / 63
p0 −90.6 ± 1.25e−16
−89.6
−89.8
−90
−90.2
−90.4
−90.6
pull
Entries 64
Mean 32
Std Dev 18.47
0
−5
−10
−15
−20
−25
pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

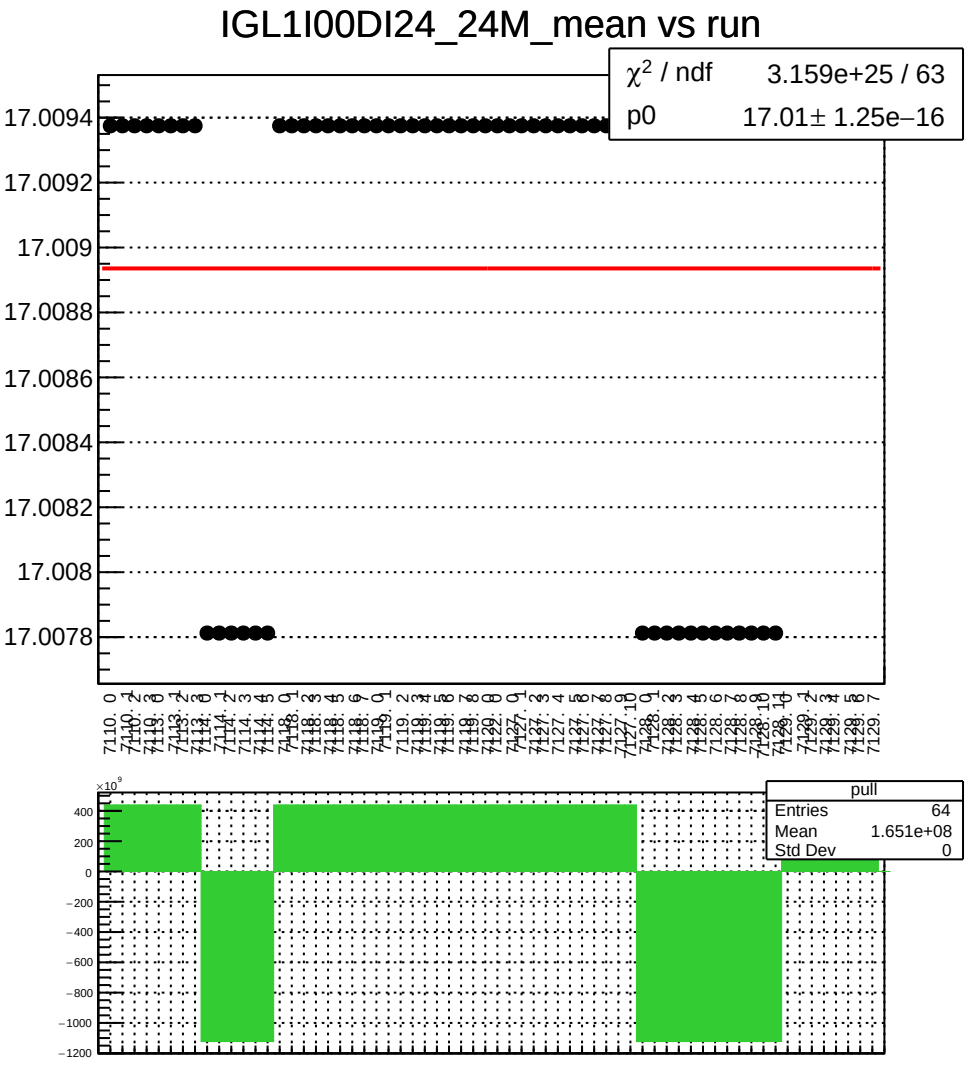

HWienAngle_mean vs run
χ² / ndf 1.818e+05 / 63
p0 −29.64 ± 1.25e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 64
Mean 32
Std Dev 18.47
0
−10
−20
−30
−40
−50

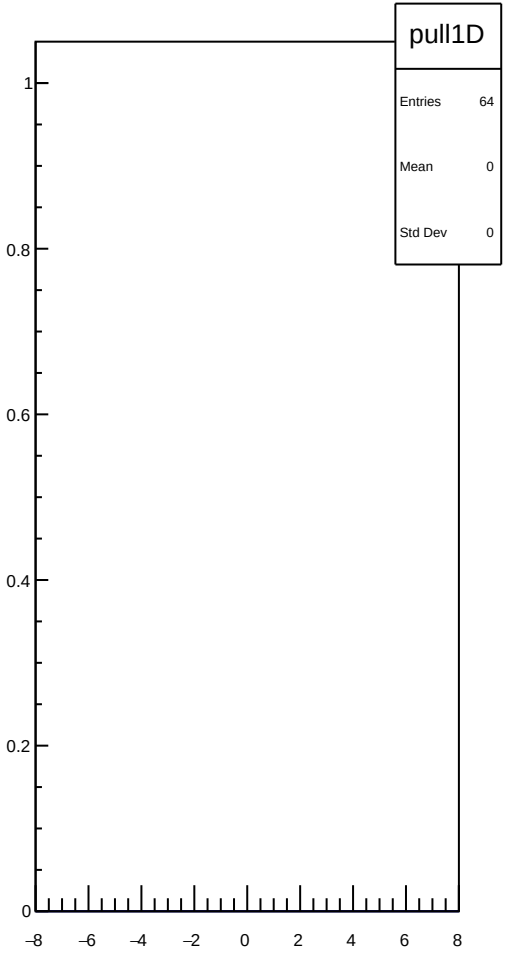

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

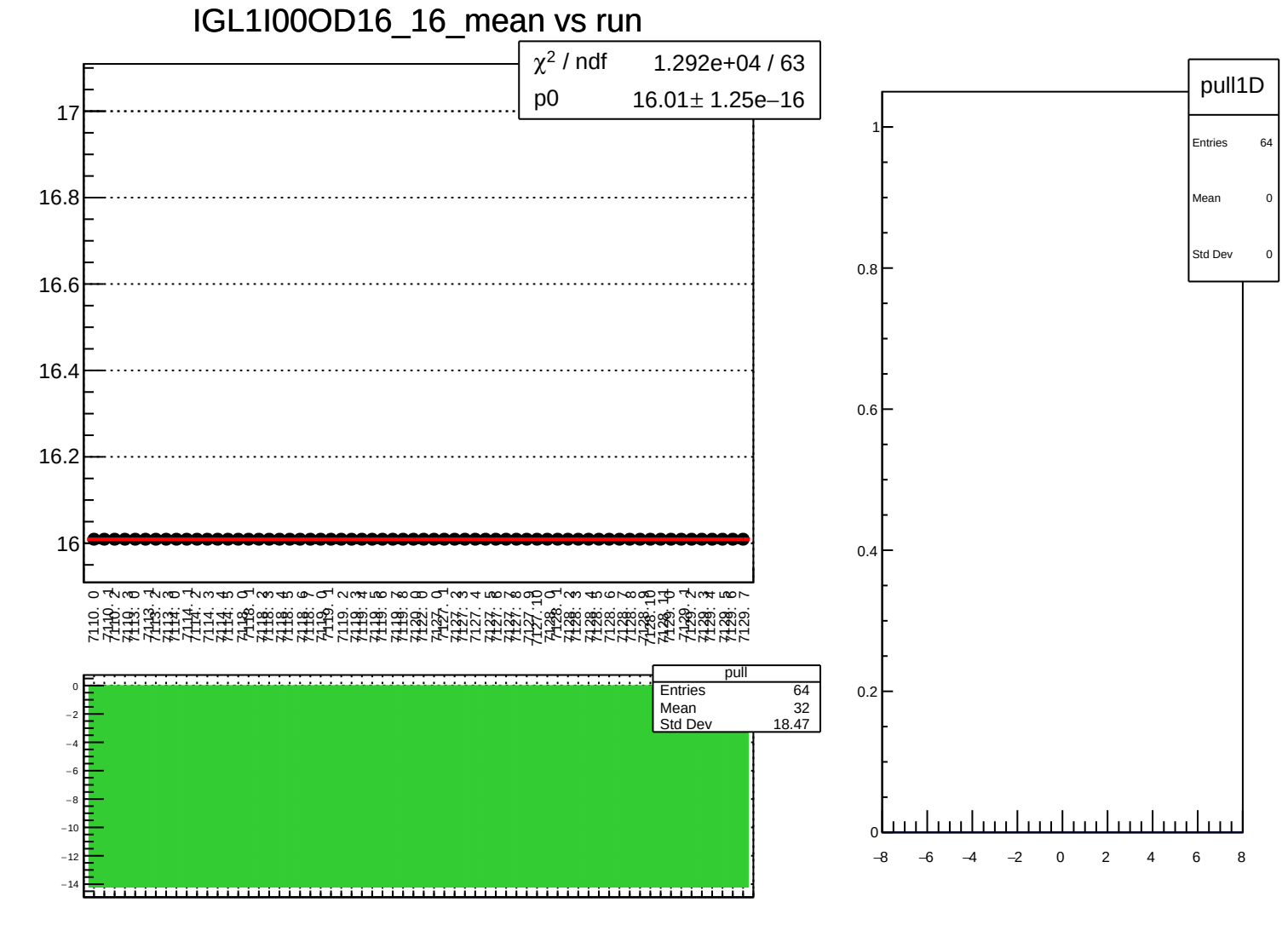

psub_pl_pos_mean vs run
χ² / ndf 2.978e+07 / 63
p0 1468 ± 1.25e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 64
Mean 32
Std Dev 18.47
700
600
500
400
300
200
100
0

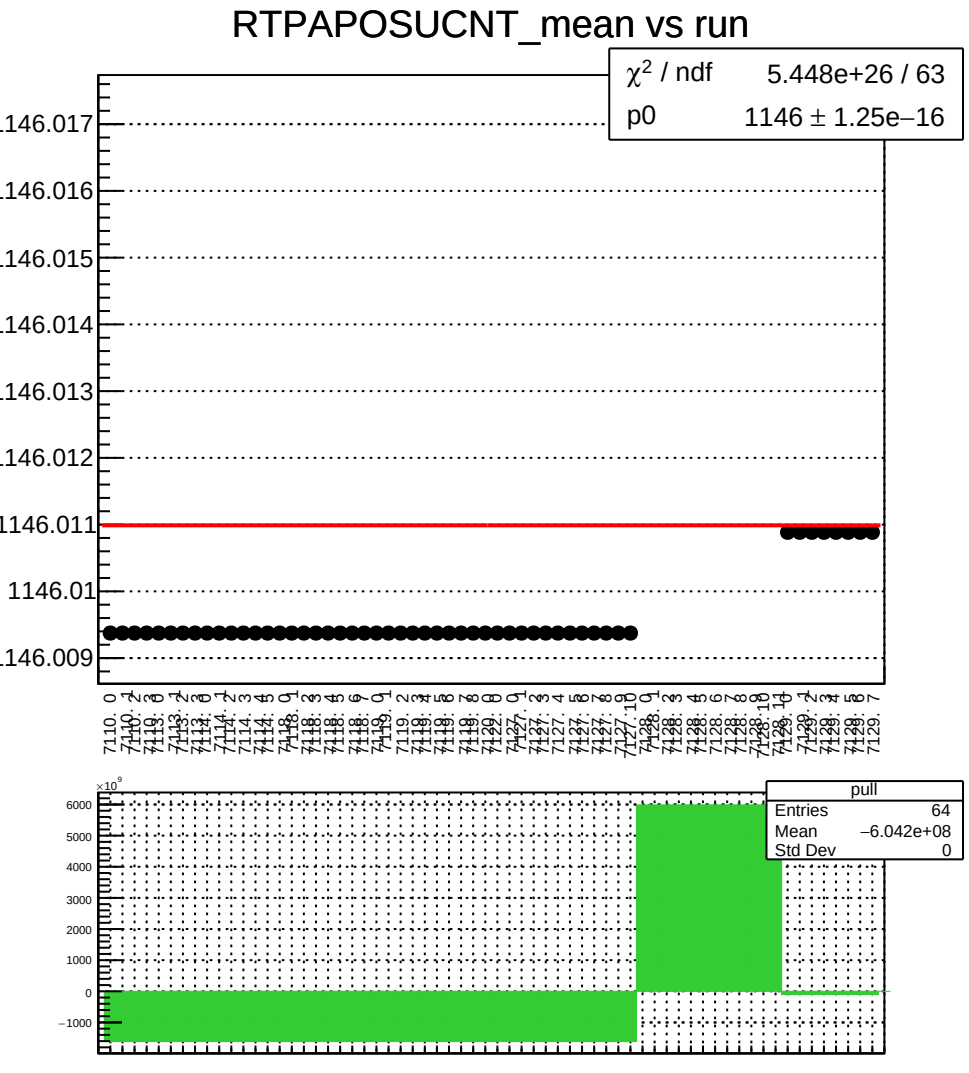

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

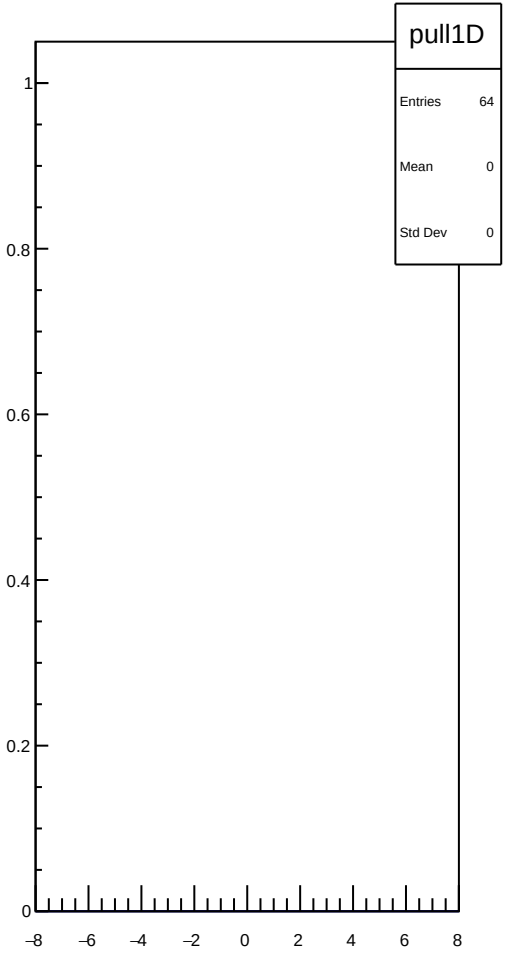

Phi_FG_mean vs run
χ² / ndf 0 / 63
p0 88.02 ± 1.25e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 64
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

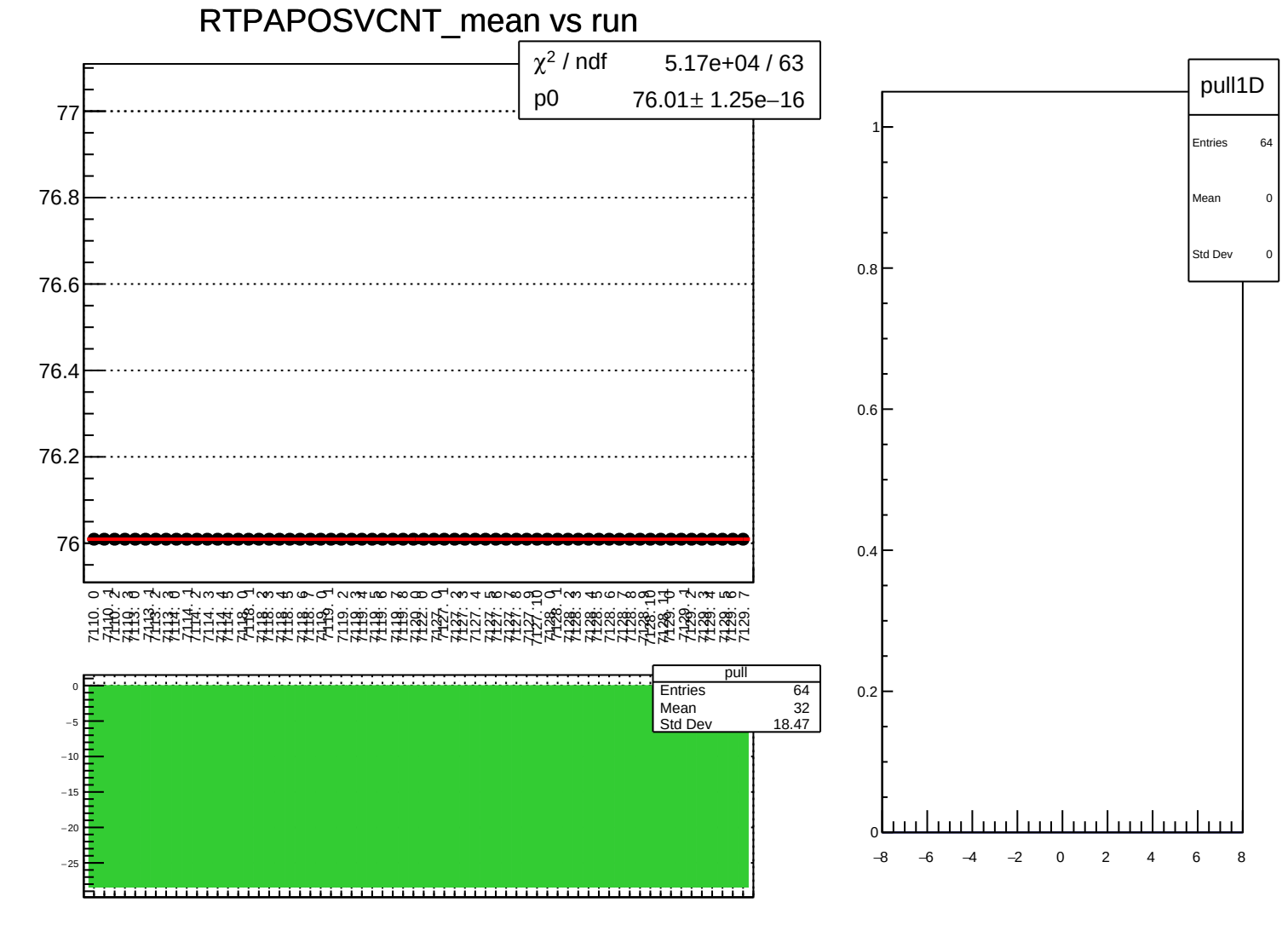

IGL1I00DI24_24M_mean vs run
χ² / ndf 3.159e+25 / 63
p0 17.01± 1.25e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
pull
Entries 64
Mean 1.651e+08
Std Dev 0
×10⁹
400
200
0
−200
−400
−600
−800
−1000
−1200

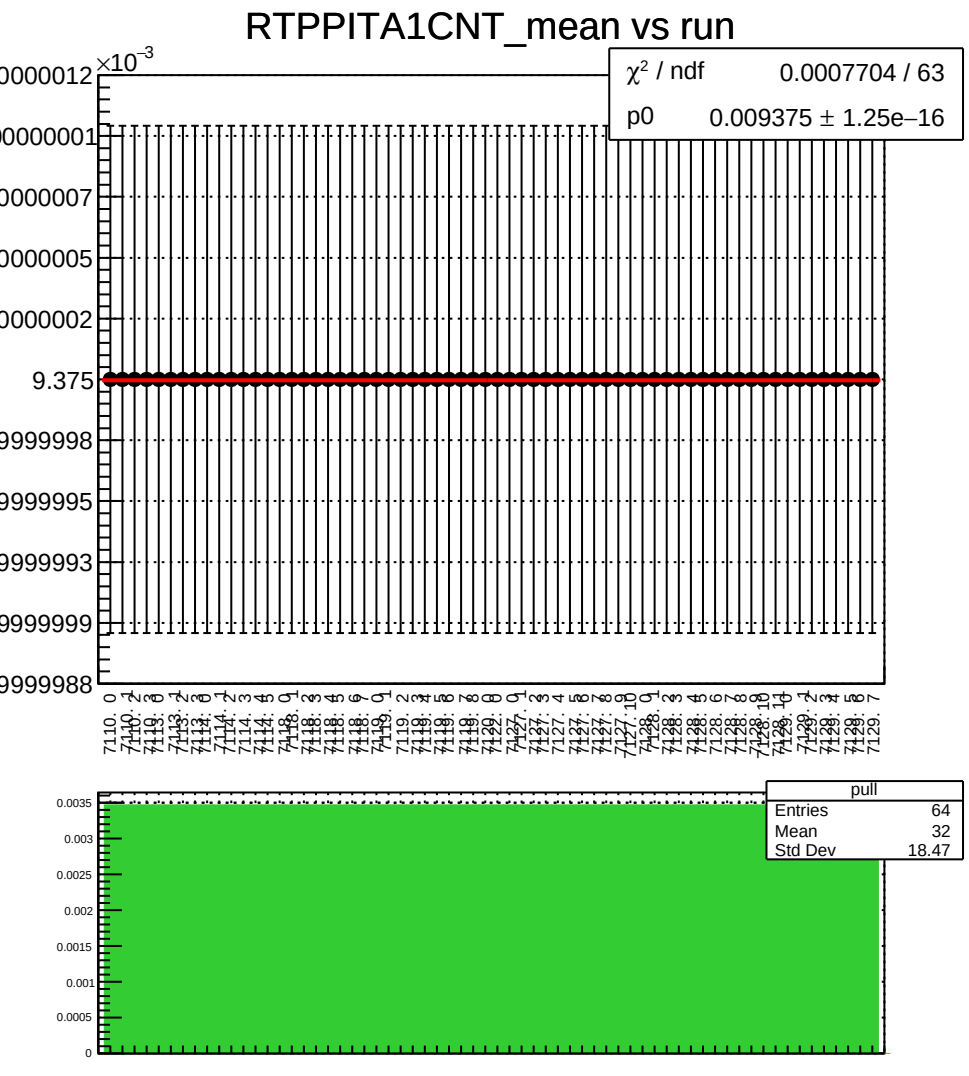

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

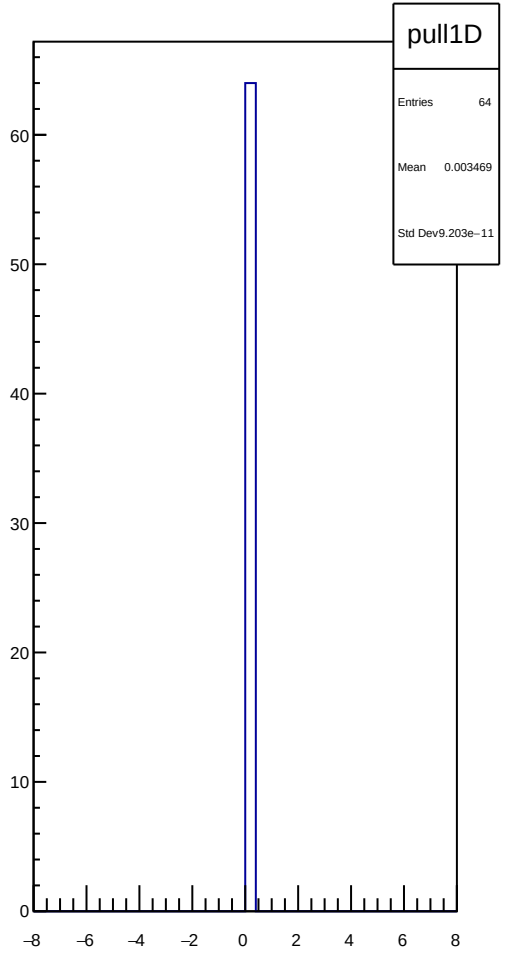

IGL1I00OD16_16_mean vs run
χ² / ndf 1.292e+04 / 63
p0 16.01± 1.25e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 64
Mean 32
Std Dev 18.47
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

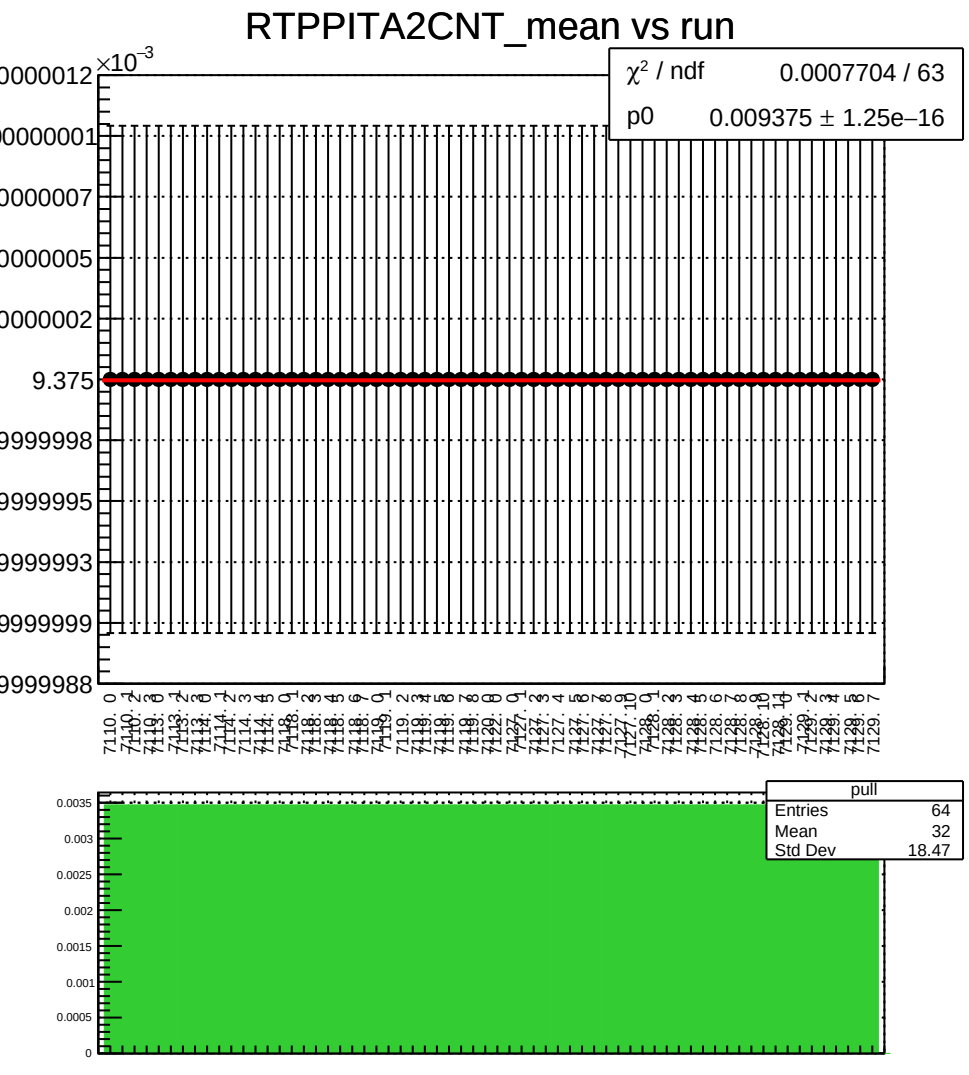

RTPAPOSUCNT_mean vs run
χ² / ndf 5.448e+26 / 63
p0 1146 ± 1.25e−16
1146.017
1146.016
1146.015
1146.014
1146.013
1146.012
1146.011
1146.01
1146.009
pull
Entries 64
Mean −6.042e+08
Std Dev 0
×10⁹
6000
5000
4000
3000
2000
1000
0
−1000

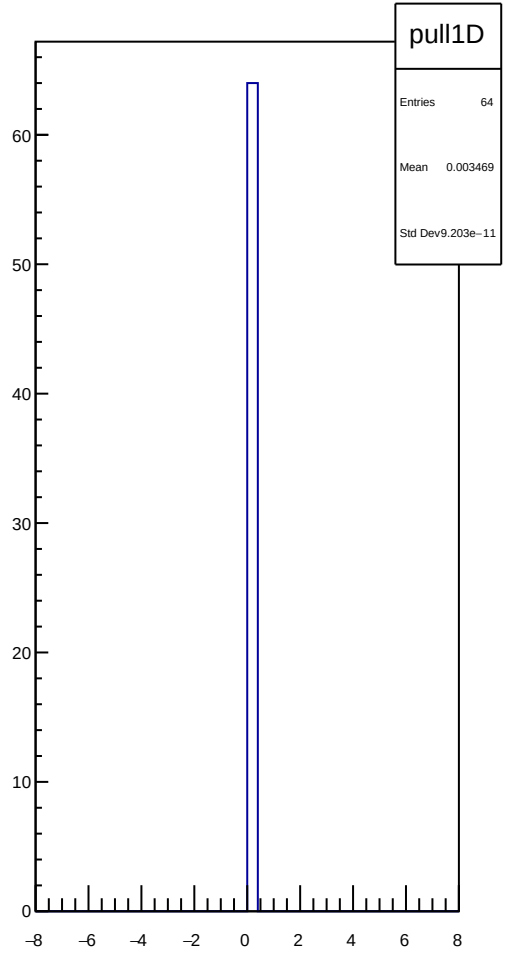

pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 5.17e+04 / 63
p0 76.01± 1.25e−16
77
76.8
76.6
76.4
76.2
76
pull
Entries 64
Mean 32
Std Dev 18.47
0
−5
−10
−15
−20
−25
pull1D
Entries 64
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.0007704 / 63
p0 0.009375 ± 1.25e−16
×10⁻³
9.375
pull
Entries 64
Mean 32
Std Dev 18.47


pull1D
Entries 64
Mean 0.003469
Std Dev 9.203e−11


RTPPITA2CNT_mean vs run
χ² / ndf 0.0007704 / 63
p0 0.009375 ± 1.25e−16
×10⁻³
pull
Entries 64
Mean 32
Std Dev 18.47


pull1D
Entries 64
Mean 0.003469
Std Dev 9.203e−11