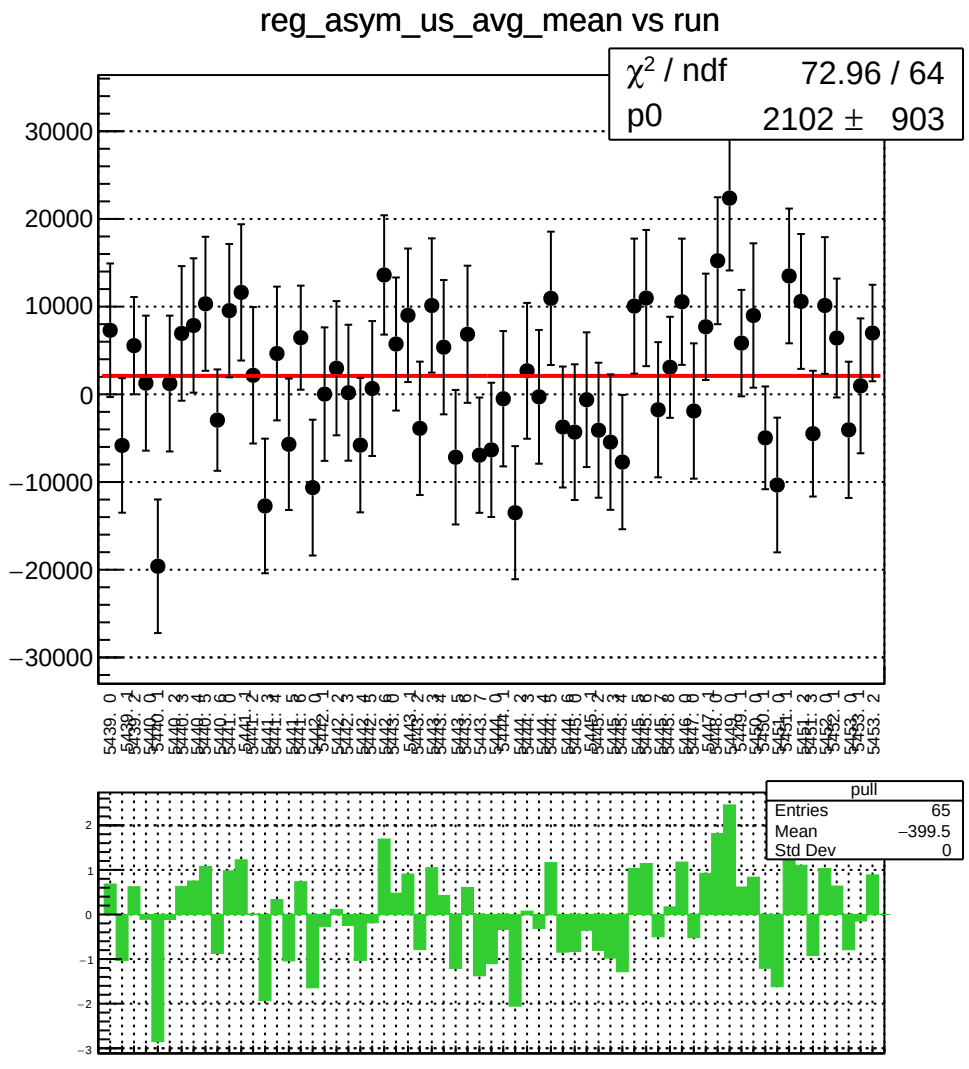
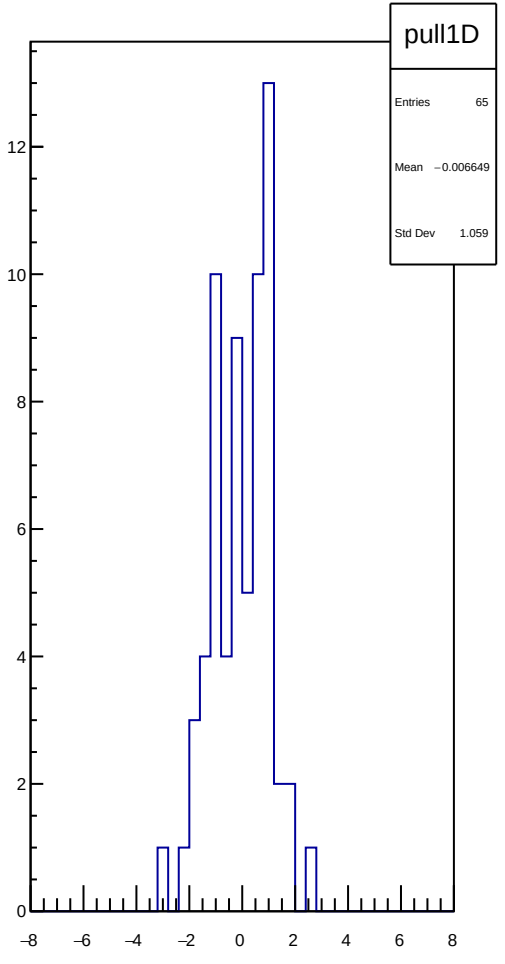
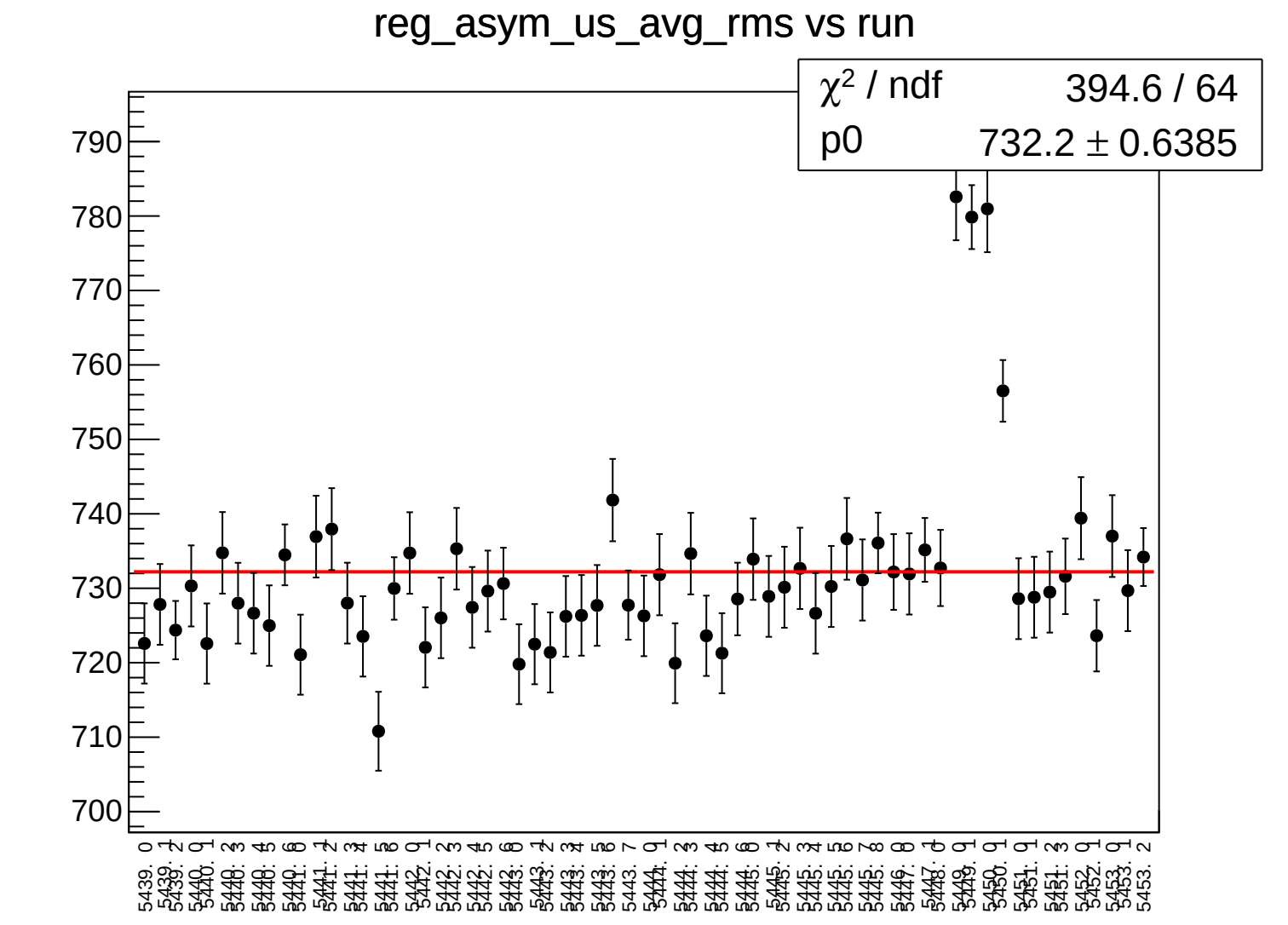
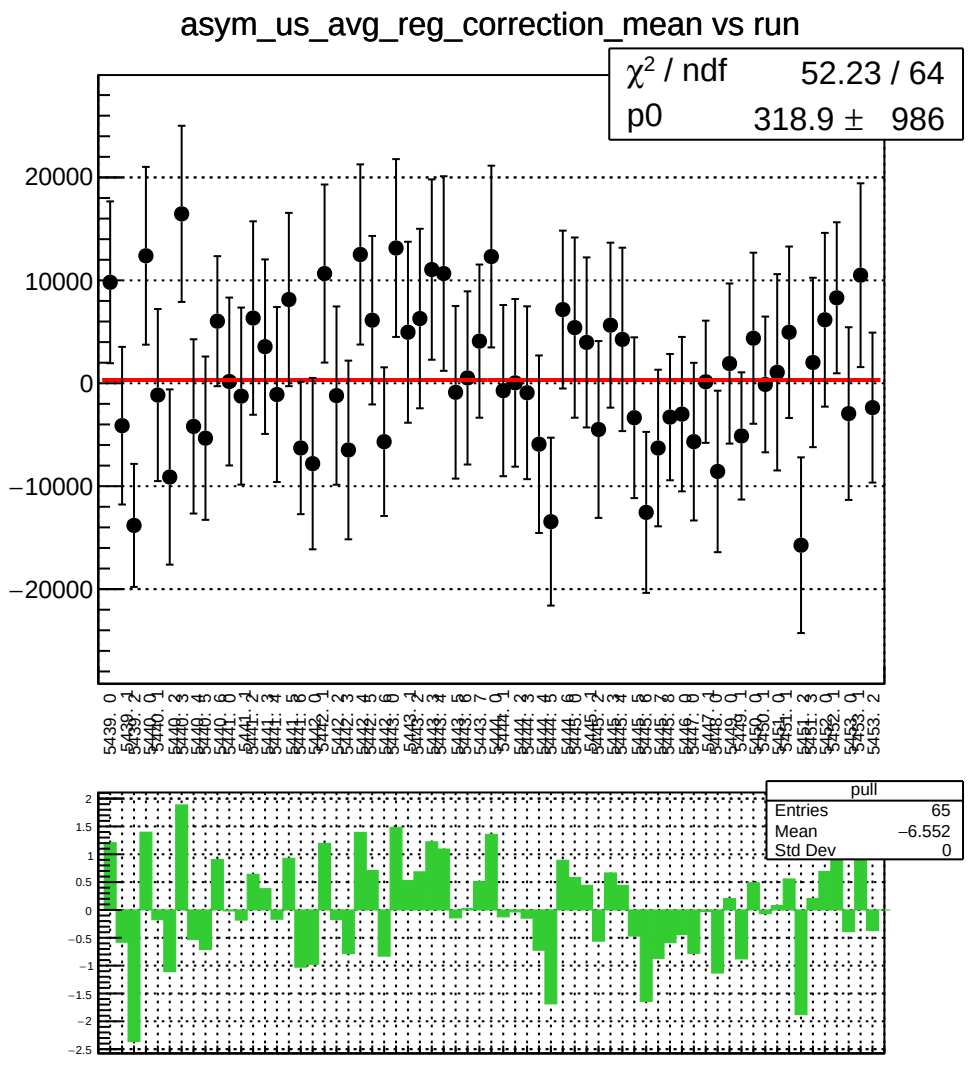
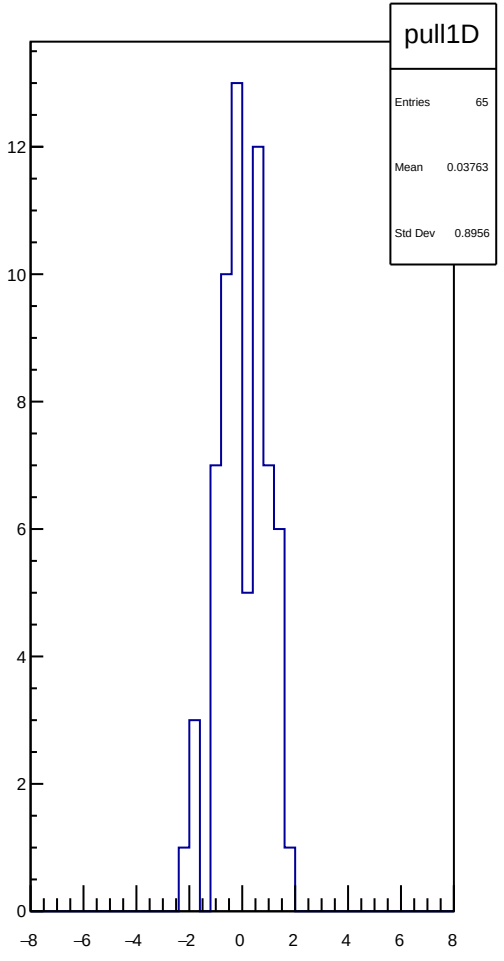
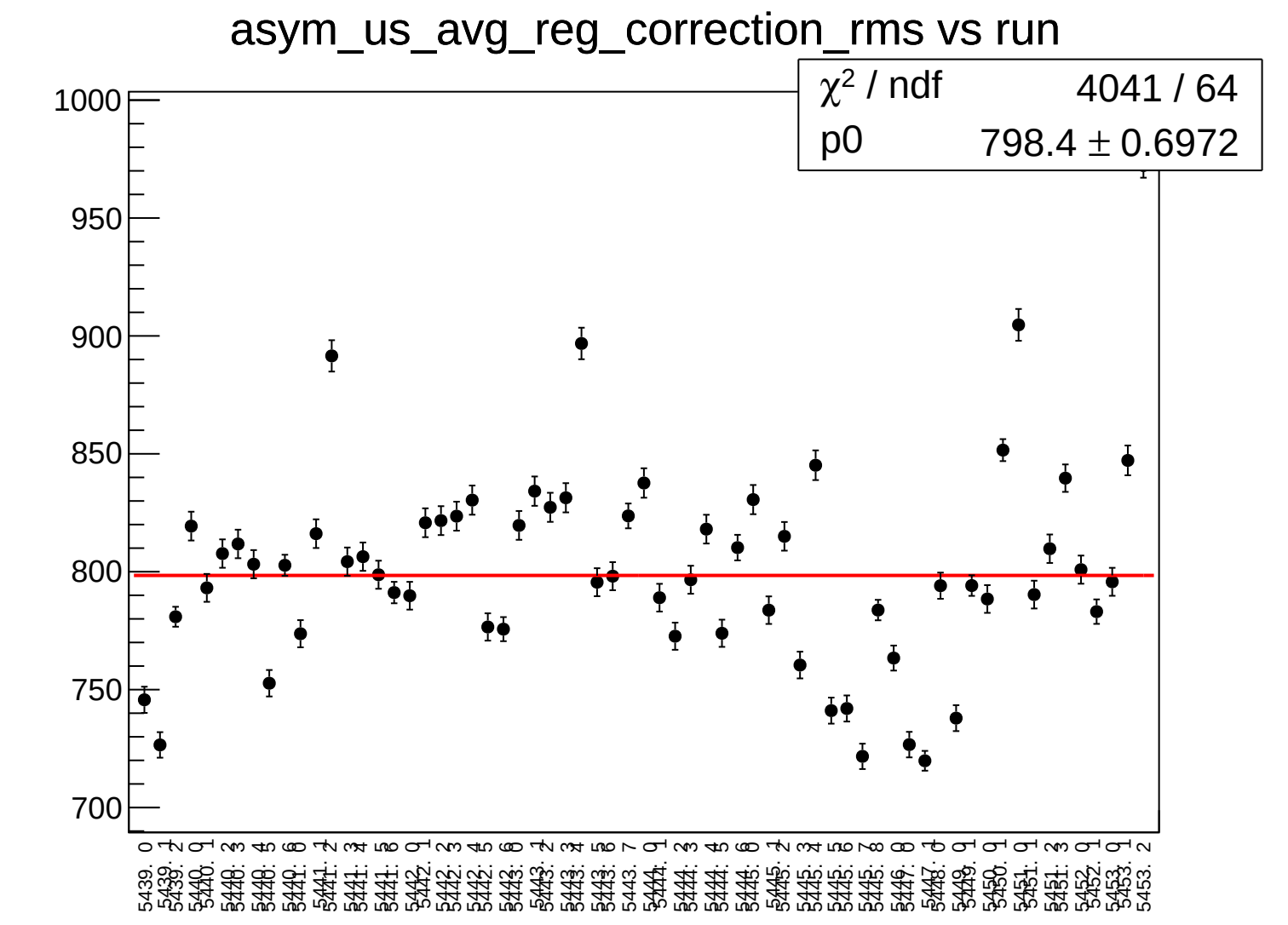

reg_asym_us_avg_mean vs run
χ² / ndf 72.96 / 64
p0 2102 ± 903
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −399.5
Std Dev 0
2
1
0
−1
−2
−3

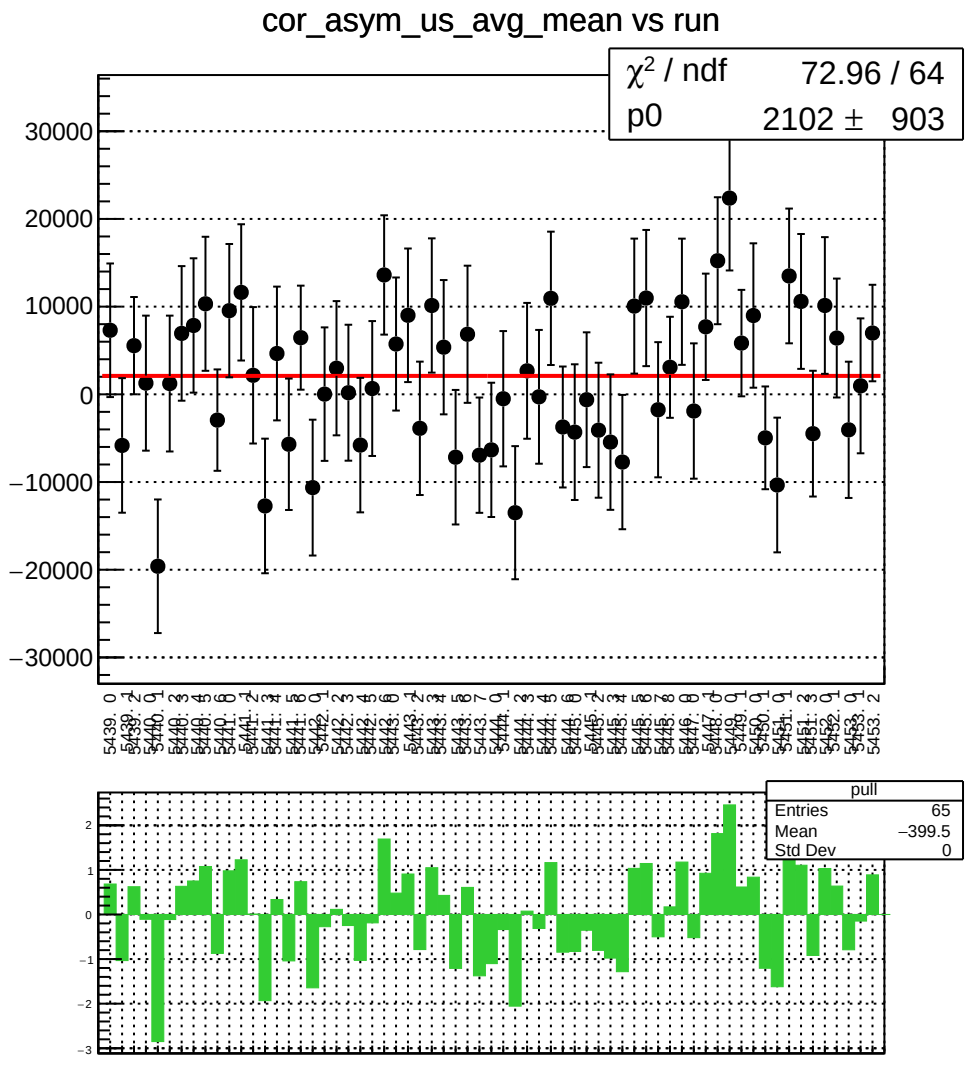

pull1D
Entries 65
Mean −0.006649
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

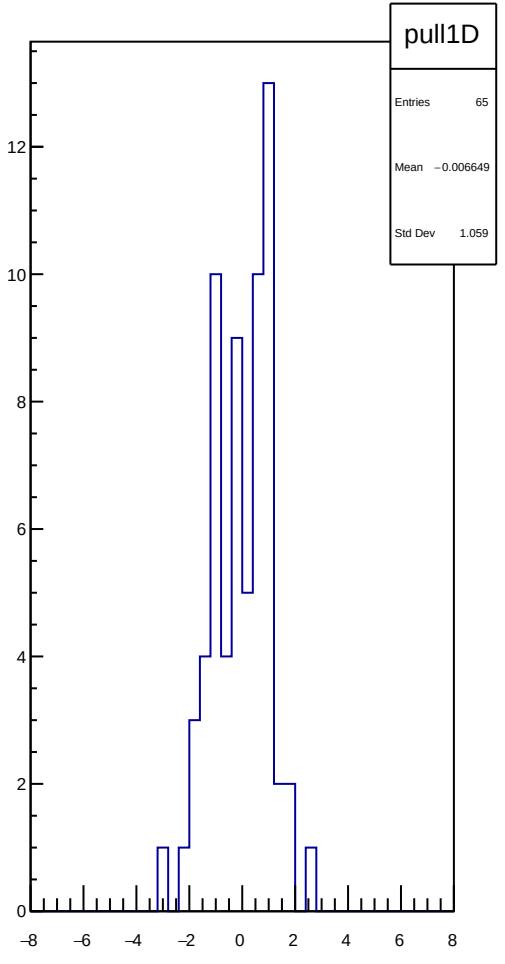

reg_asym_us_avg_rms vs run
χ^2 / ndf 394.6 / 64
p0 732.2 ± 0.6385
790
780
770
760
750
740
730
720
710
700


asym_us_avg_reg_correction_mean vs run
χ² / ndf 52.23 / 64
p0 318.9 ± 986
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −6.552
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 65
Mean 0.03763
Std Dev 0.8956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_reg_correction_rms vs run
χ² / ndf 4041 / 64
p0 798.4 ± 0.6972
1000
950
900
850
800
750
700


cor_asym_us_avg_mean vs run
χ² / ndf 72.96 / 64
p0 2102 ± 903
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −399.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 65
Mean −0.006649
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
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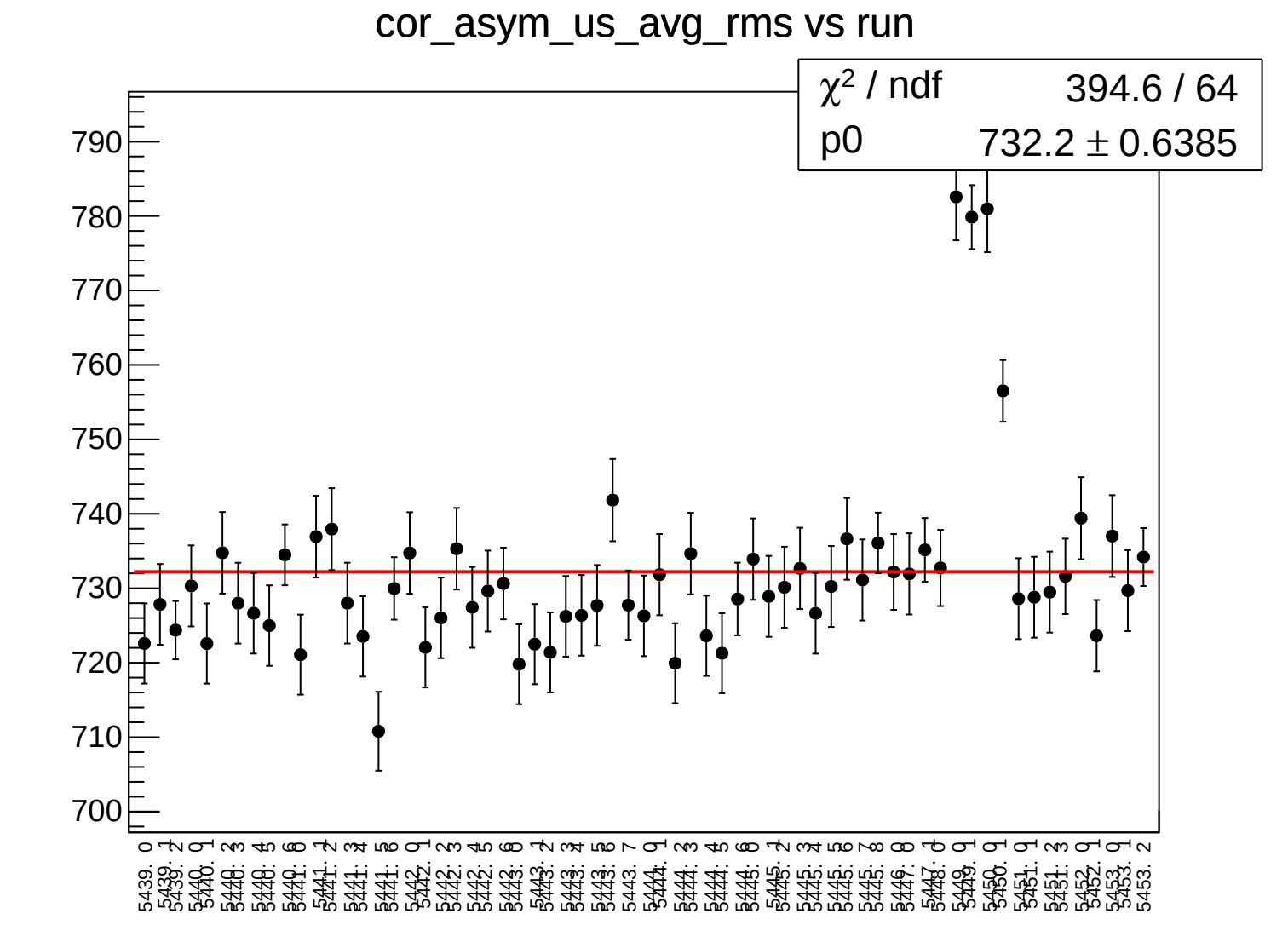
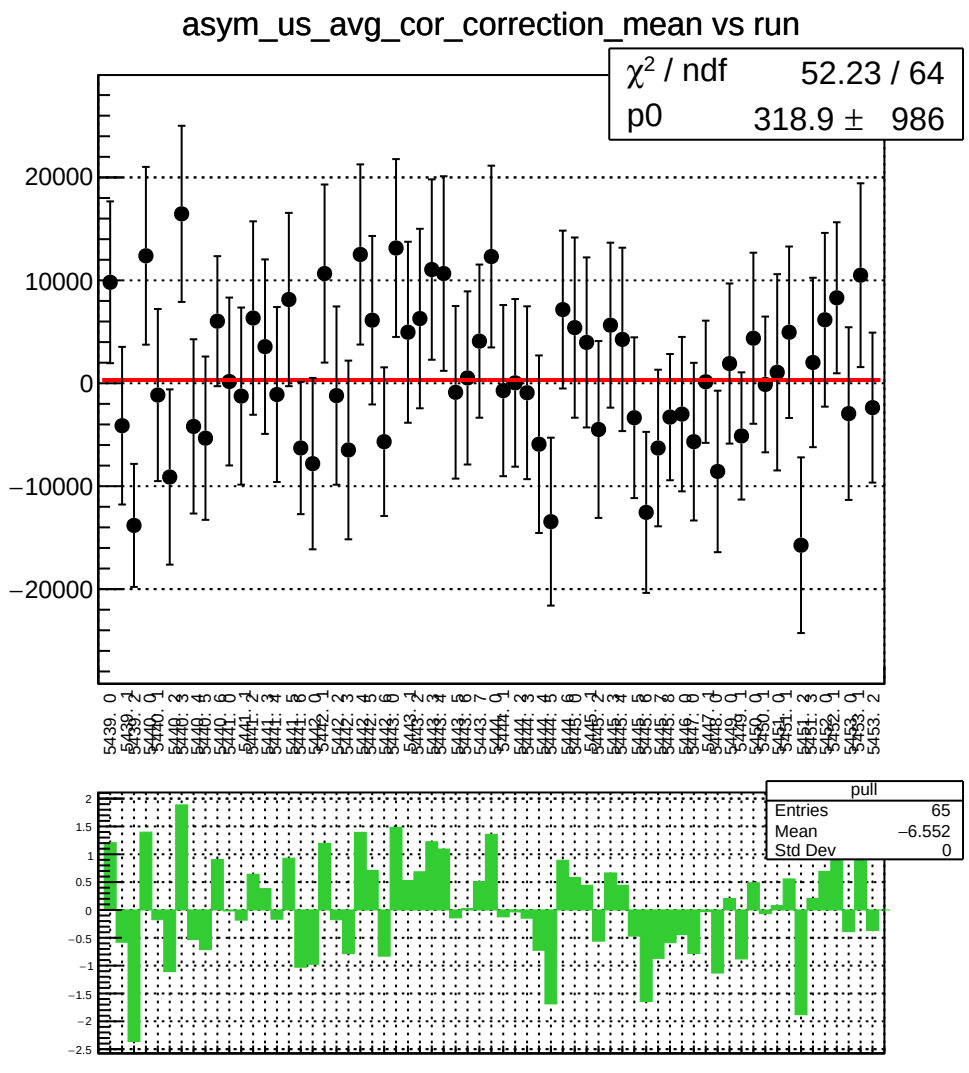
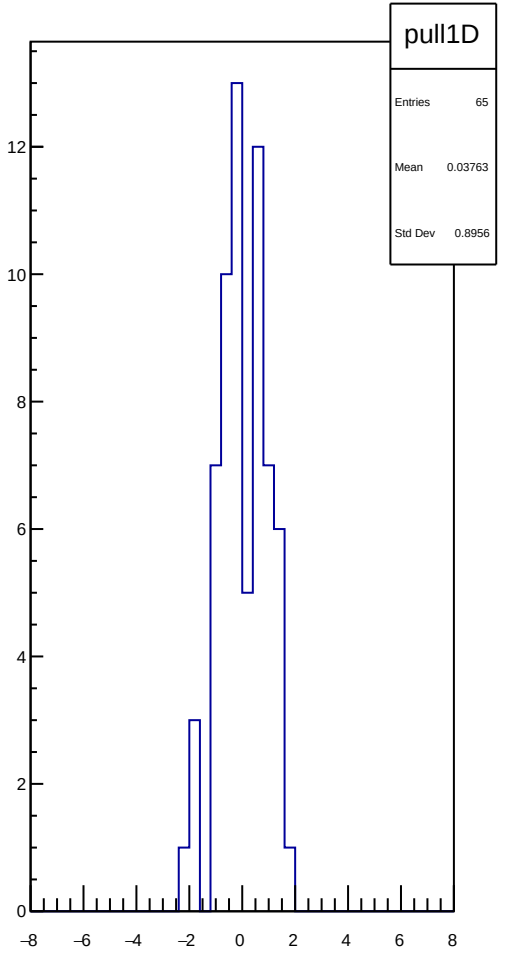
0
2
4
6
8


cor_asym_us_avg_rms vs run
χ² / ndf 394.6 / 64
p0 732.2 ± 0.6385
790
780
770
760
750
740
730
720
710
700


asym_us_avg_cor_correction_mean vs run
χ² / ndf 52.23 / 64
p0 318.9 ± 986
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −6.552
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 65
Mean 0.03763
Std Dev 0.8956
12
10
8
6
4
2
0
−8
−6
−4
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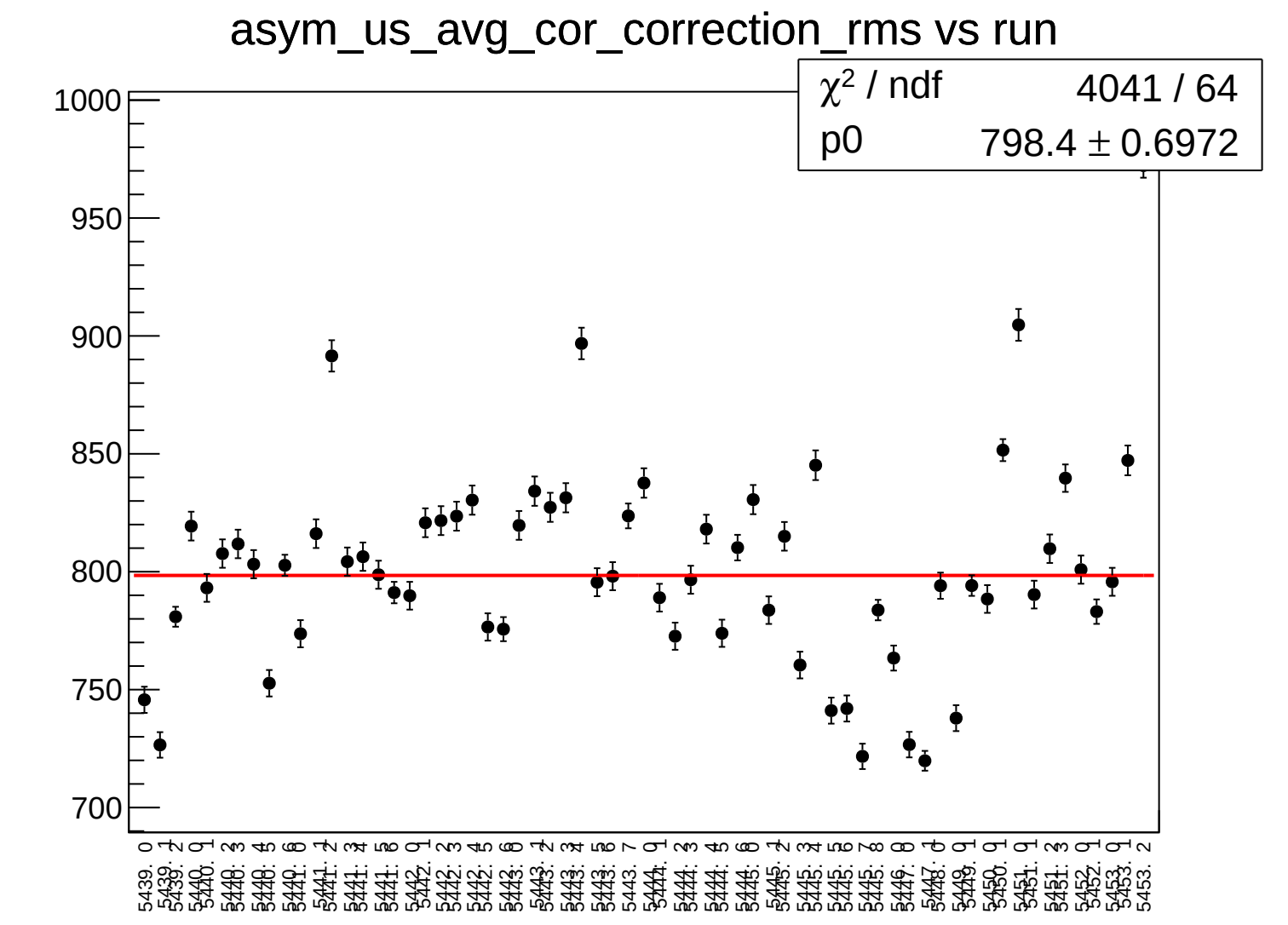
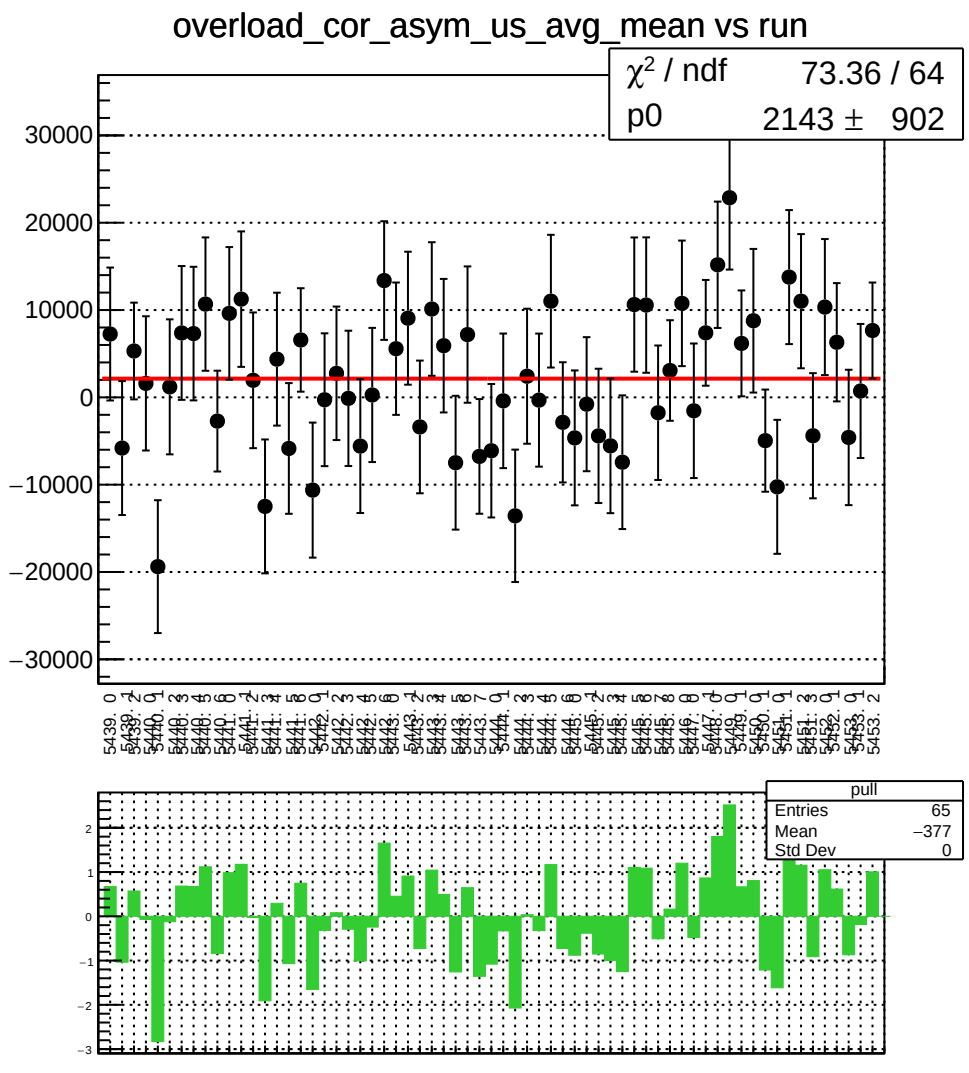
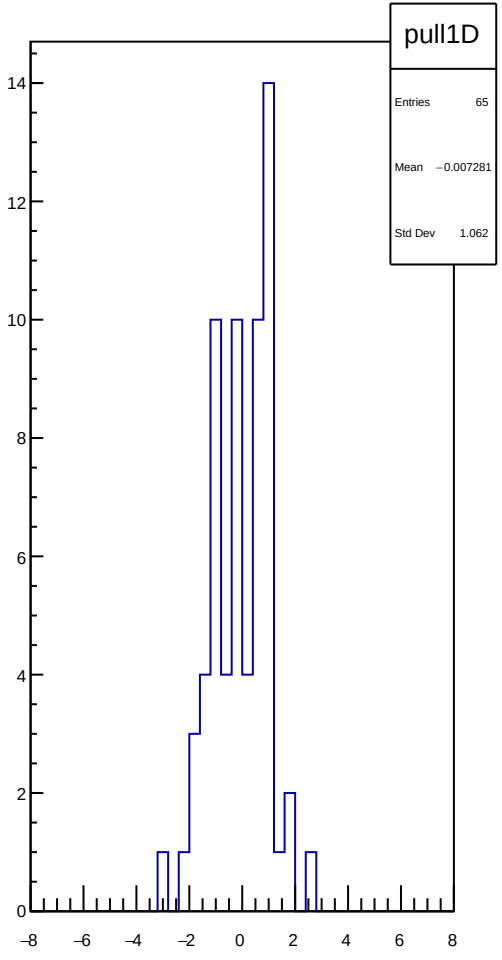
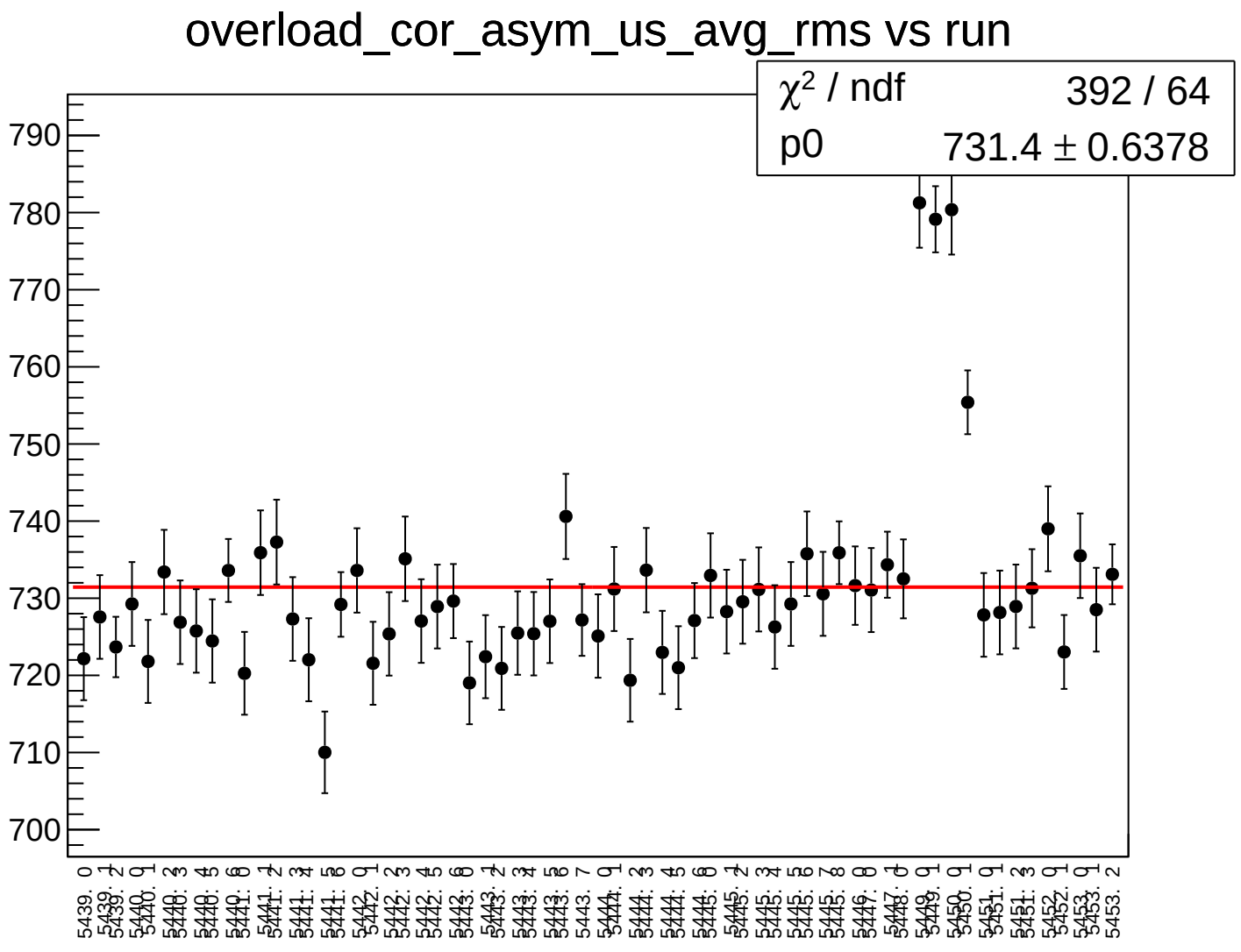
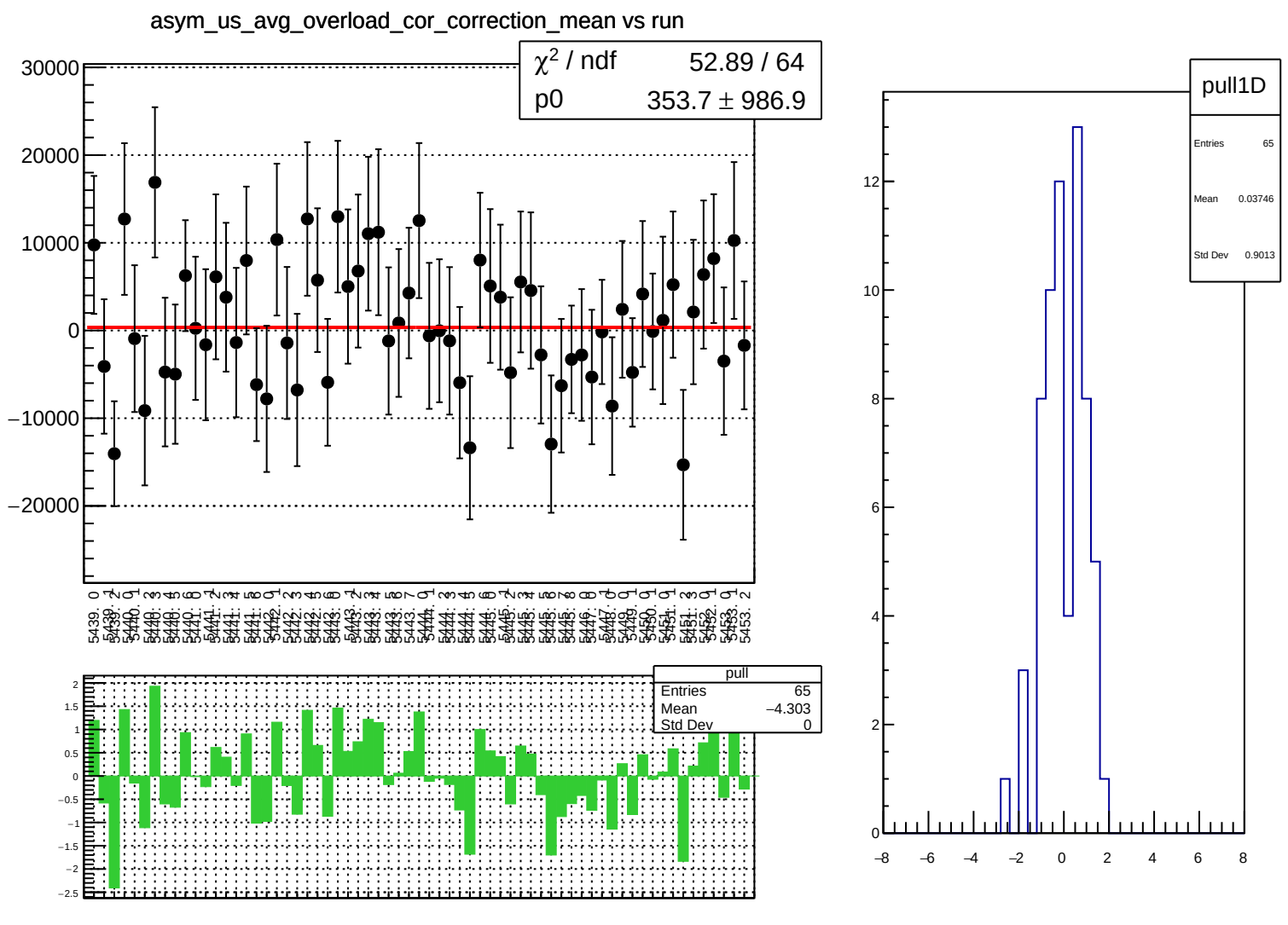
2
4
6
8

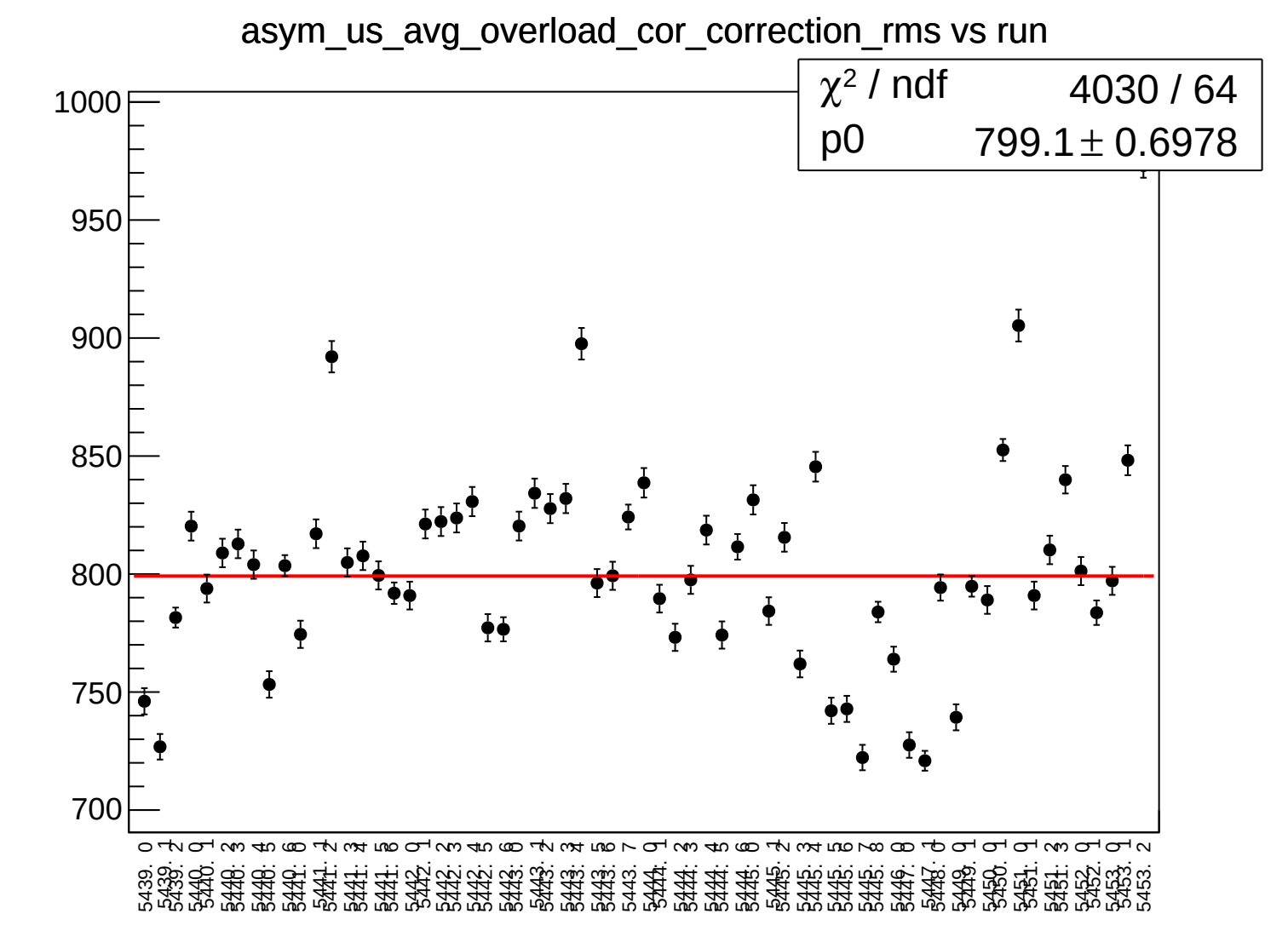

asym_us_avg_cor_correction_rms vs run
χ² / ndf 4041 / 64
p0 798.4 ± 0.6972
1000
950
900
850
800
750
700

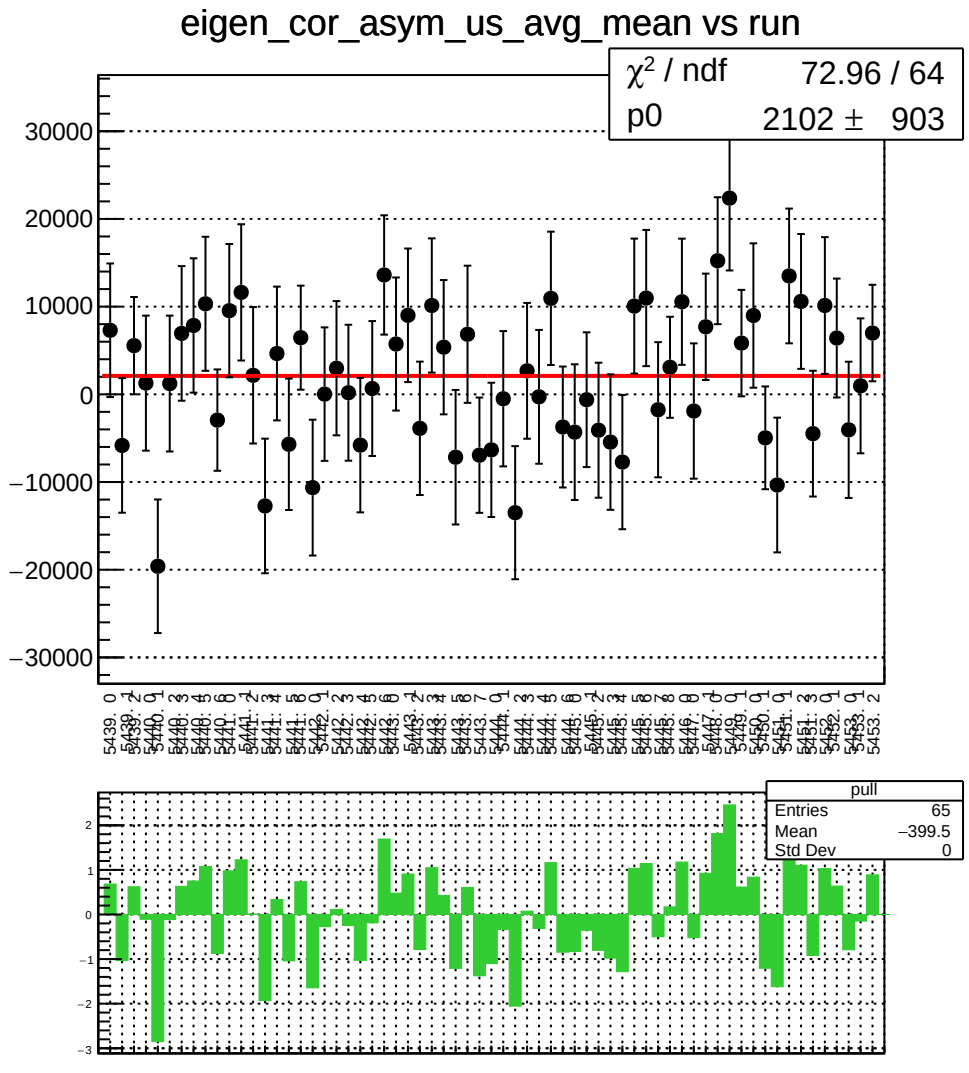

overload_cor_asym_us_avg_mean vs run
χ² / ndf 73.36 / 64
p0 2143 ± 902
pull
Entries 65
Mean −377
Std Dev 0

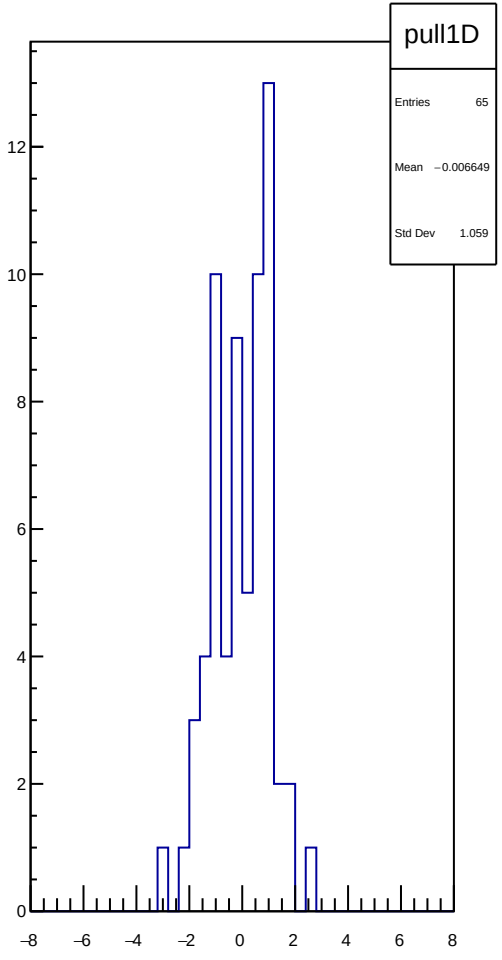

pull1D
Entries 65
Mean −0.007281
Std Dev 1.062


overload_cor_asym_us_avg_rms vs run
χ² / ndf 392 / 64
p0 731.4 ± 0.6378
790
780
770
760
750
740
730
720
710
700


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 52.89 / 64
p0 353.7 ± 986.9
pull
Entries 65
Mean −4.303
Std Dev 0
pull1D
Entries 65
Mean 0.03746
Std Dev 0.9013


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 4030 / 64
p0 799.1 ± 0.6978
1000
950
900
850
800
750
700


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 72.96 / 64
p0 2102 ± 903
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −399.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 65
Mean −0.006649
Std Dev 1.059
12
10
8
6
4
2
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−4
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2
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6
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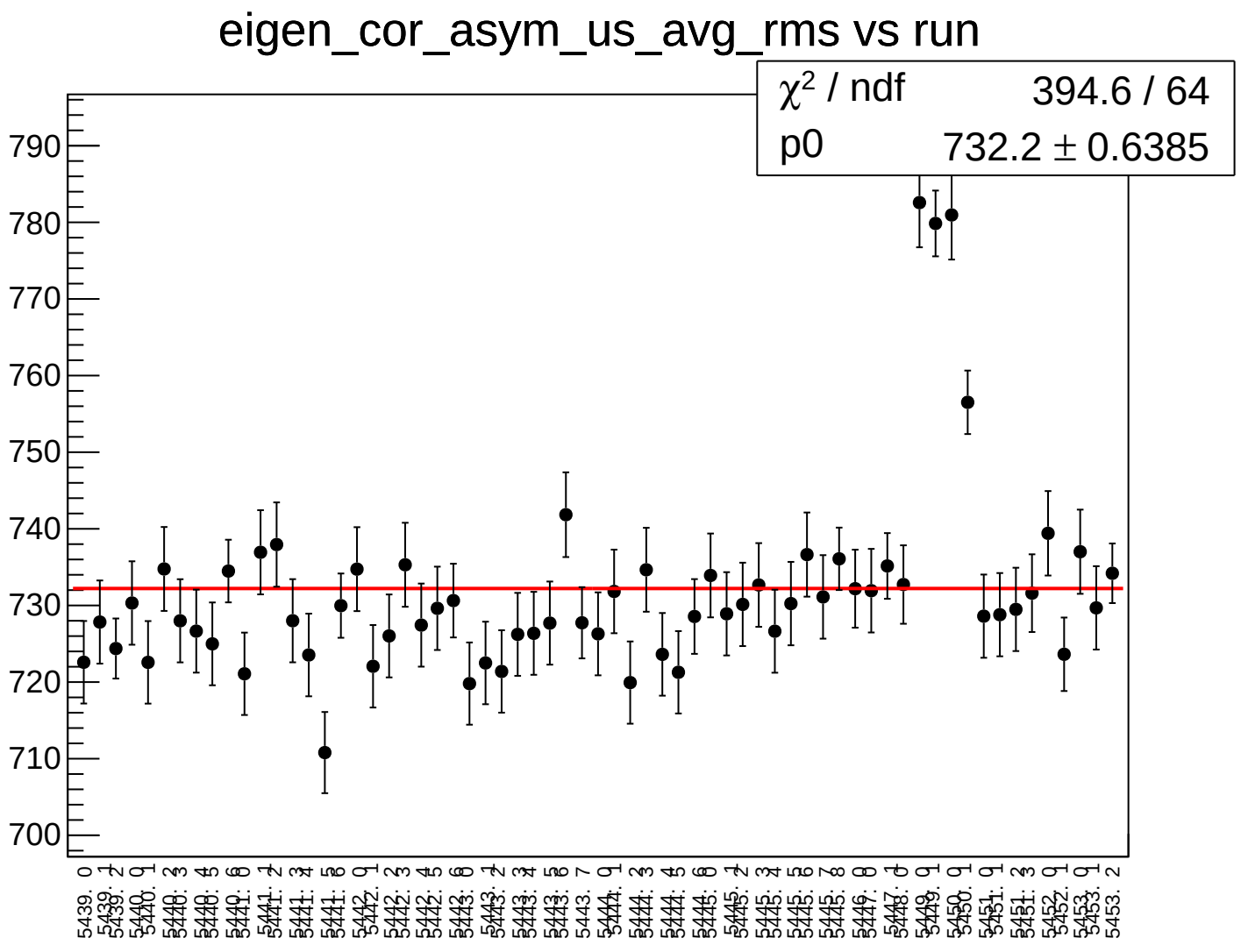
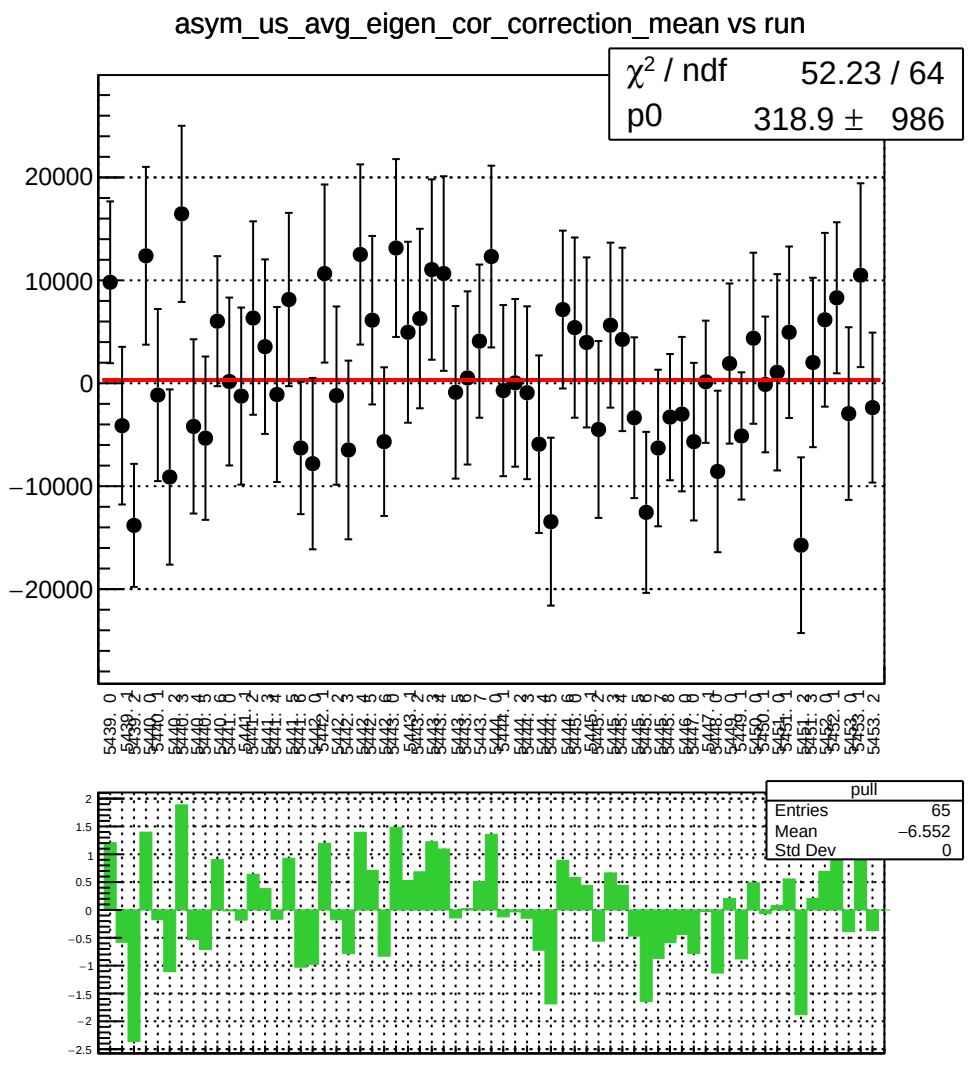
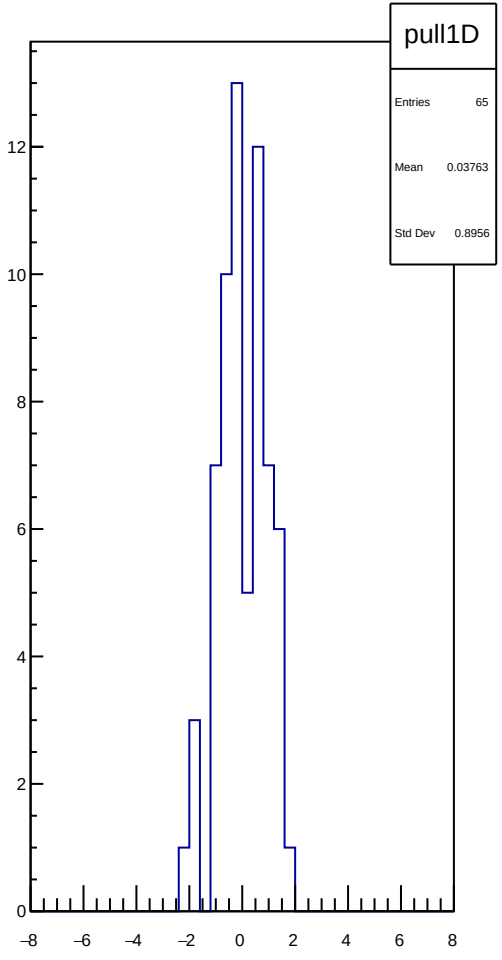
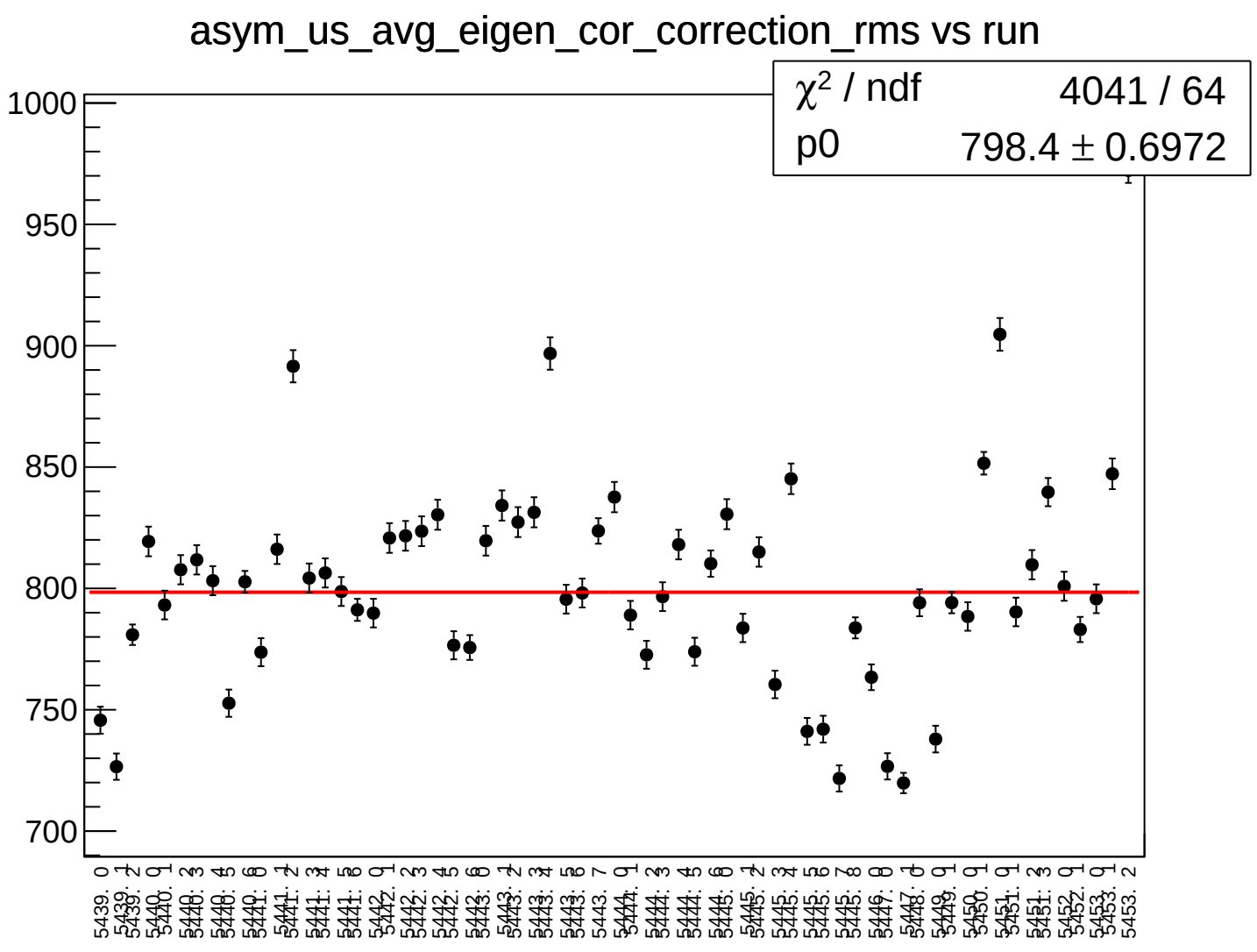
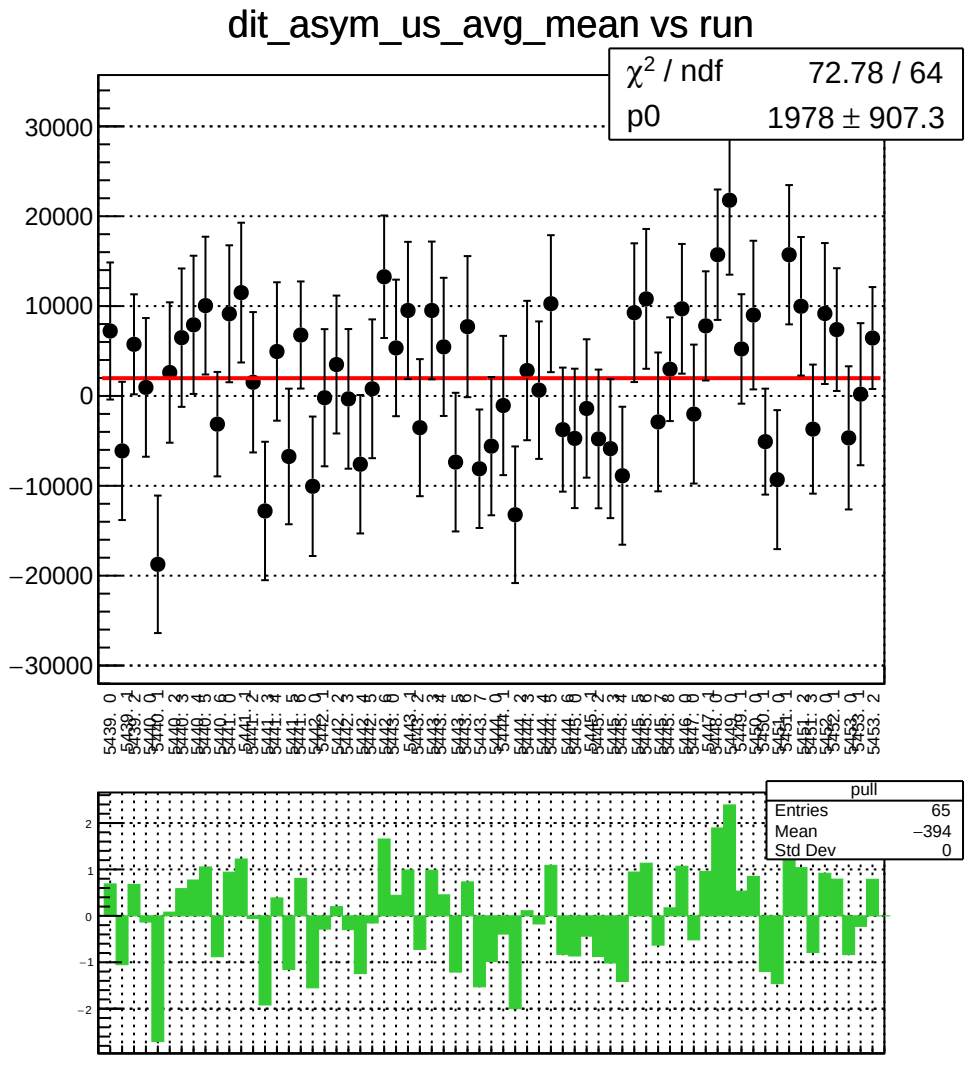
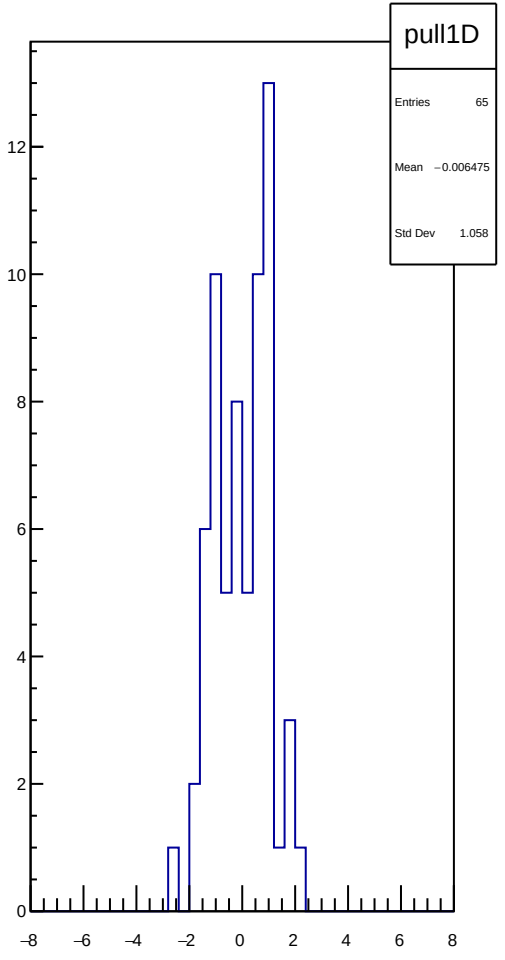

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 394.6 / 64
p0 732.2 ± 0.6385
790
780
770
760
750
740
730
720
710
700

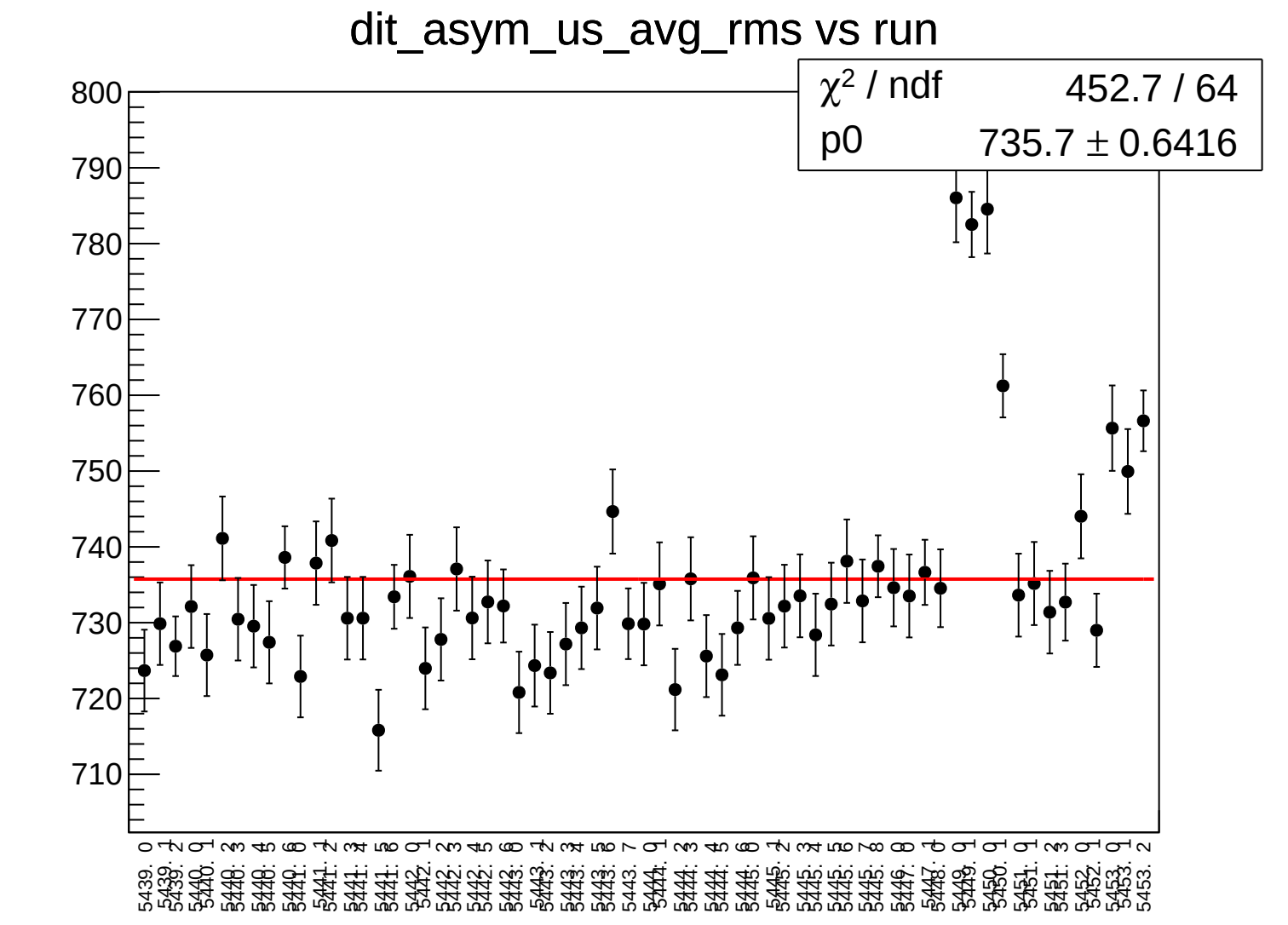

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 52.23 / 64
p0 318.9 ± 986
pull
Entries 65
Mean −6.552
Std Dev 0

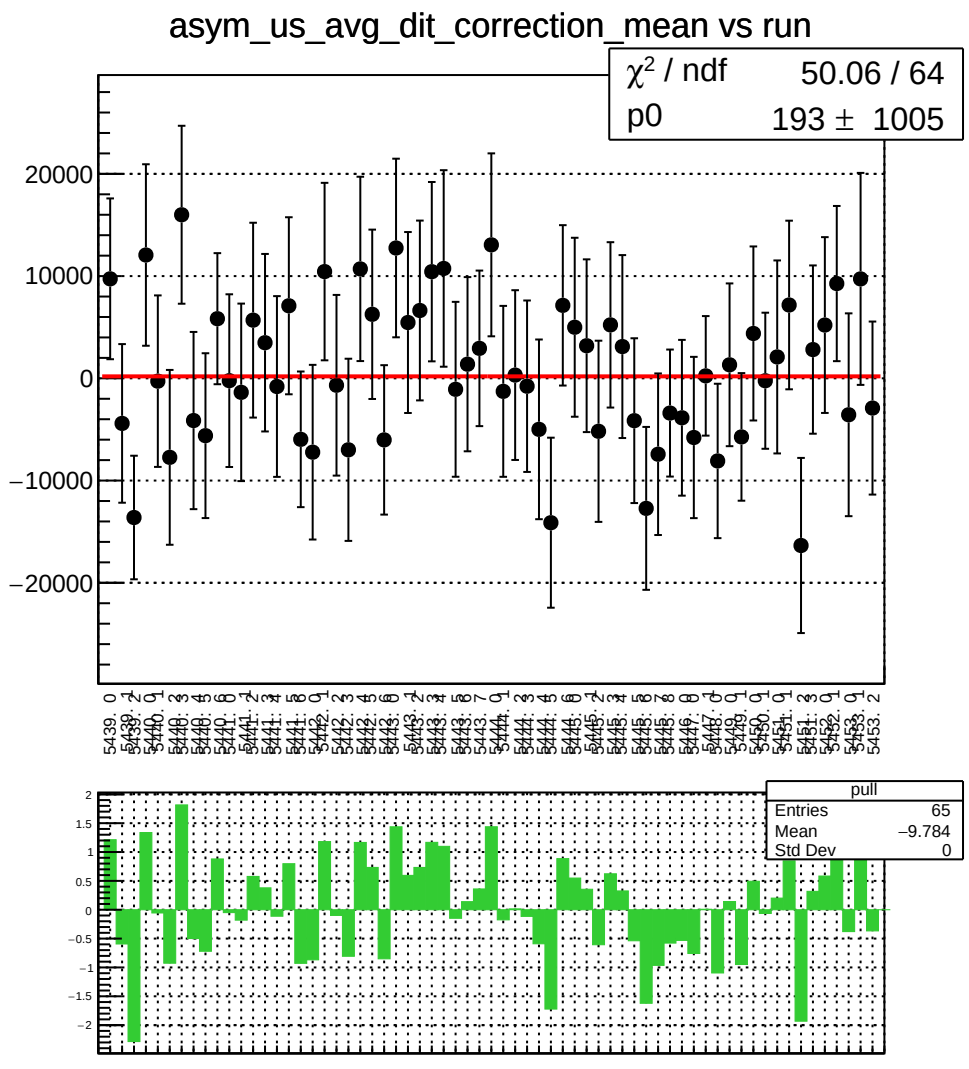

pull1D
Entries 65
Mean 0.03763
Std Dev 0.8956

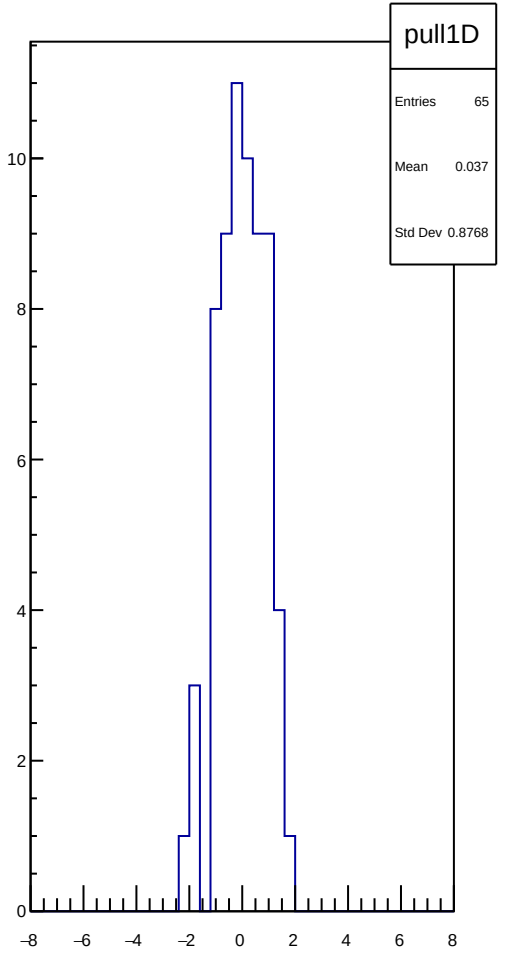

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 4041 / 64
p0 798.4 ± 0.6972
1000
950
900
850
800
750
700

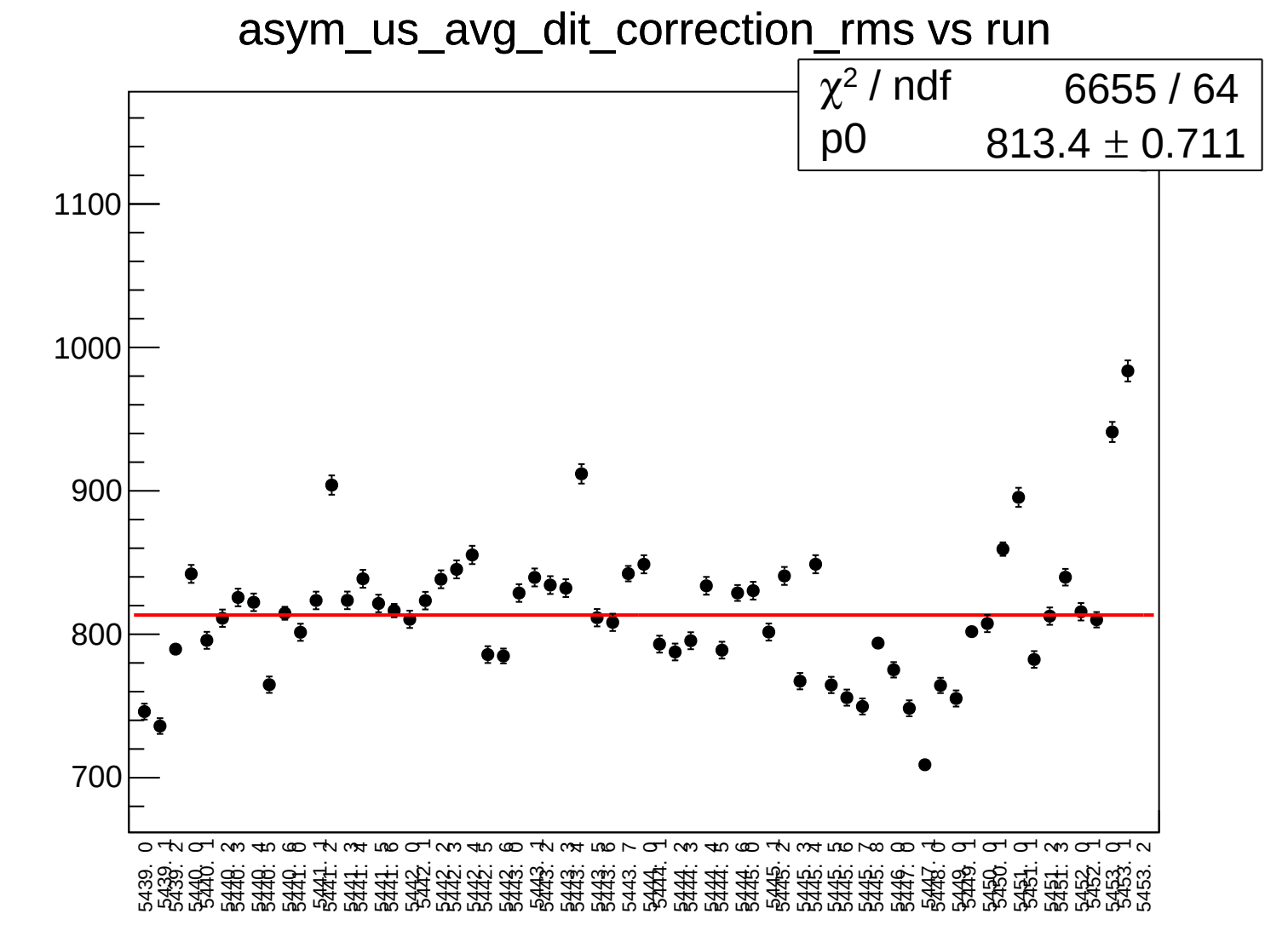

dit_asym_us_avg_mean vs run
χ² / ndf 72.78 / 64
p0 1978 ± 907.3
pull
Entries 65
Mean −394
Std Dev 0

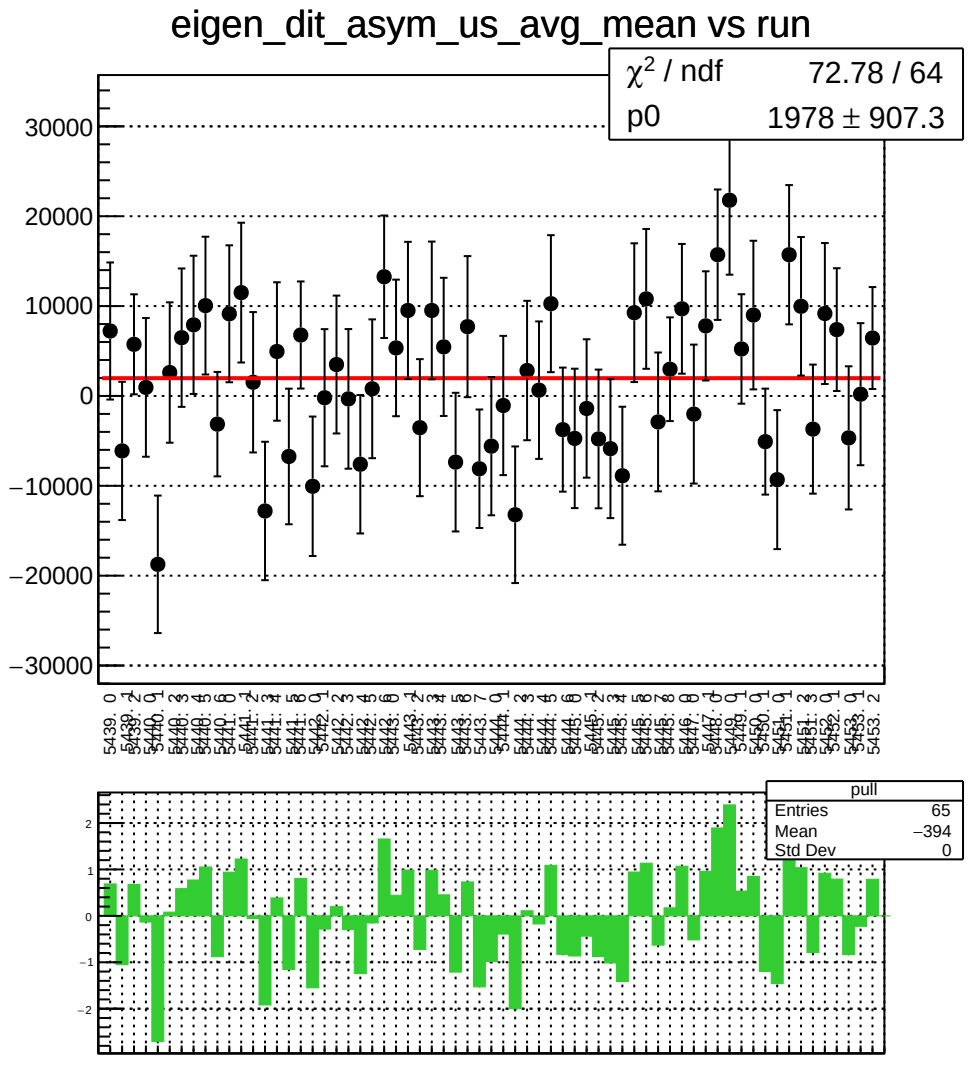

pull1D
Entries 65
Mean −0.006475
Std Dev 1.058

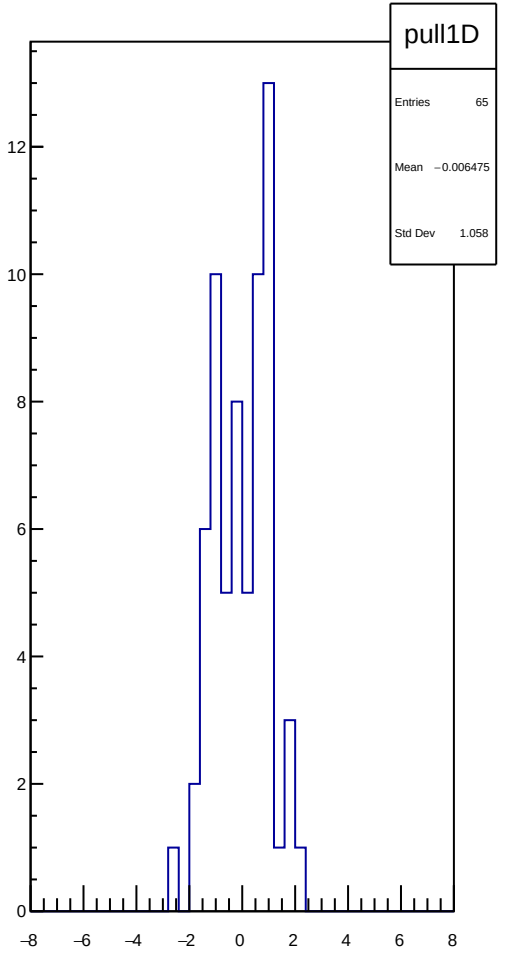

dit_asym_us_avg_rms vs run
χ² / ndf 452.7 / 64
p0 735.7 ± 0.6416
800
790
780
770
760
750
740
730
720
710

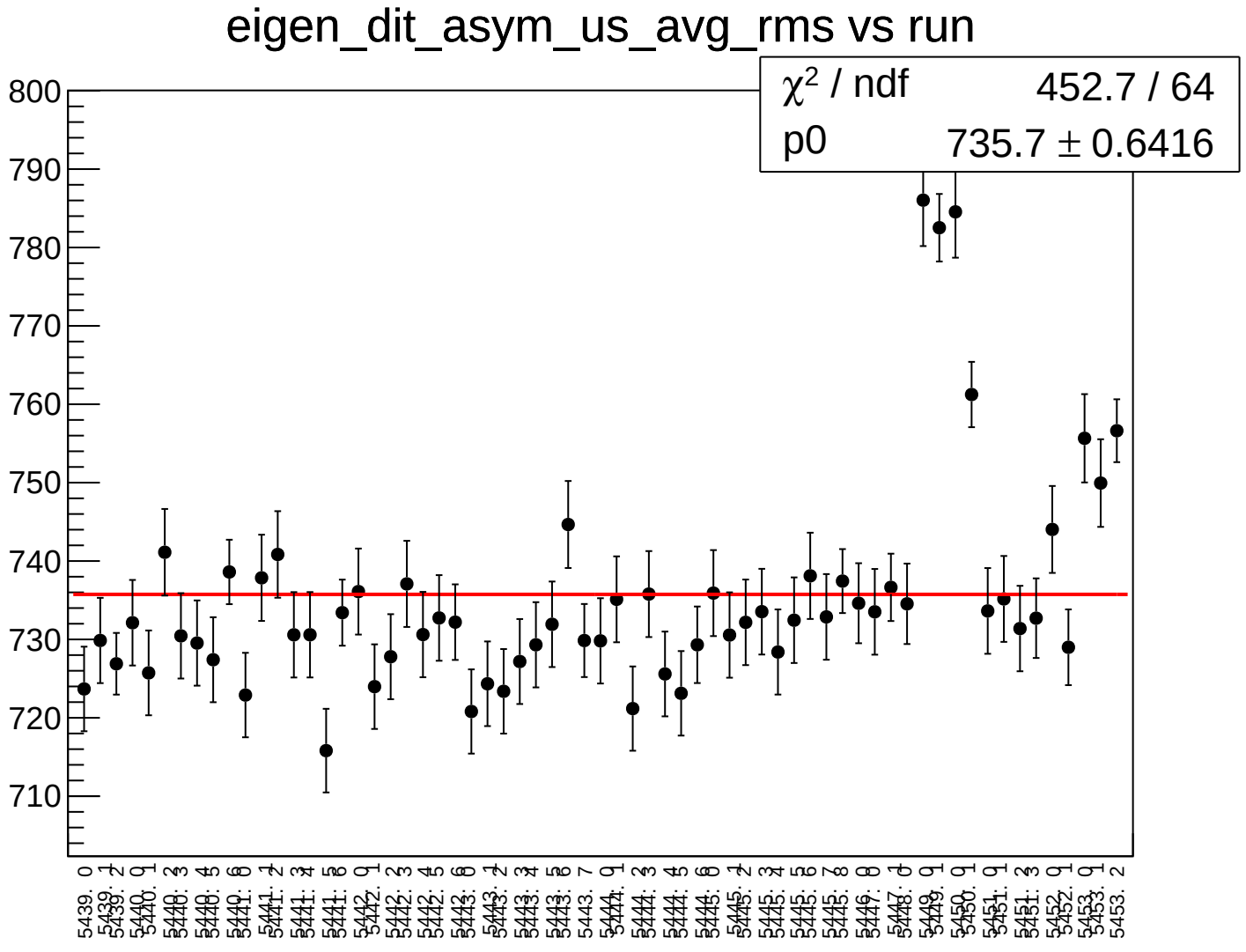

asym_us_avg_dit_correction_mean vs run
χ² / ndf 50.06 / 64
p0 193 ± 1005
pull
Entries 65
Mean −9.784
Std Dev 0

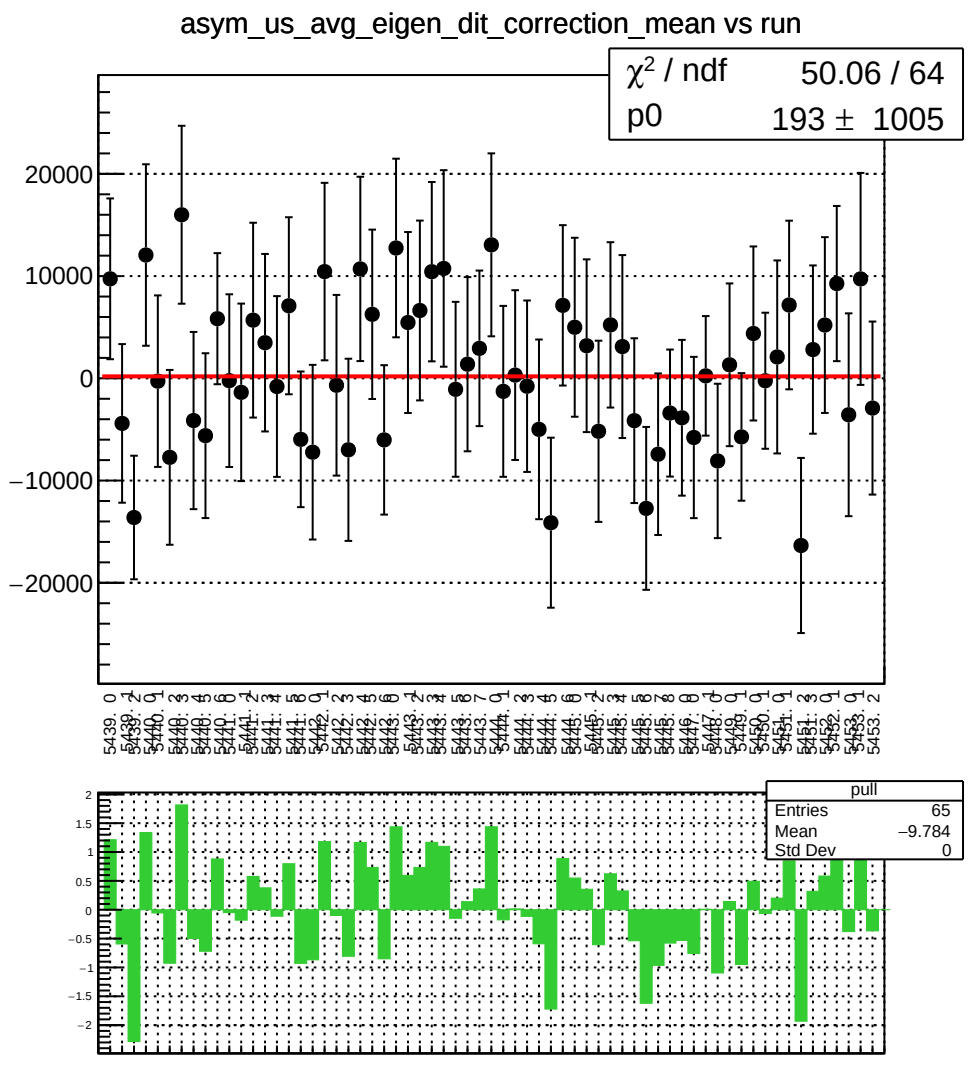

pull1D
Entries 65
Mean 0.037
Std Dev 0.8768

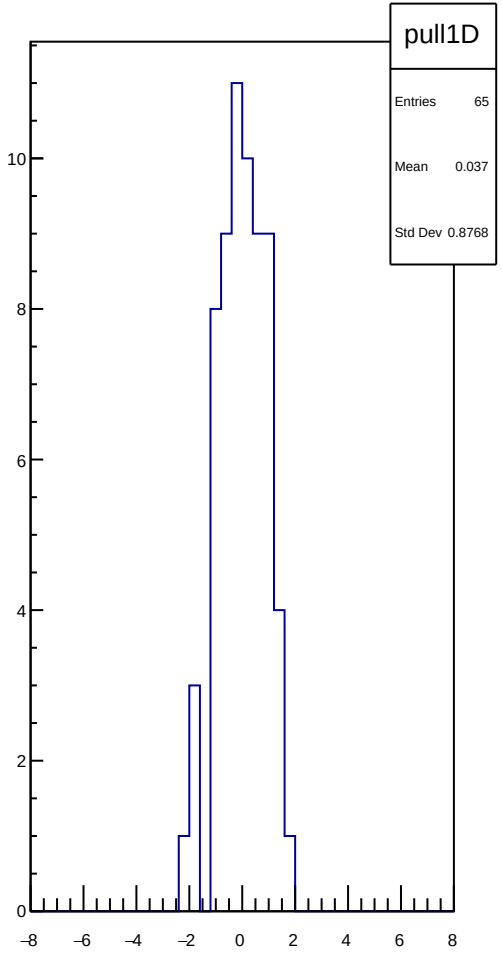

asym_us_avg_dit_correction_rms vs run
χ² / ndf 6655 / 64
p0 813.4 ± 0.711
1100
1000
900
800
700

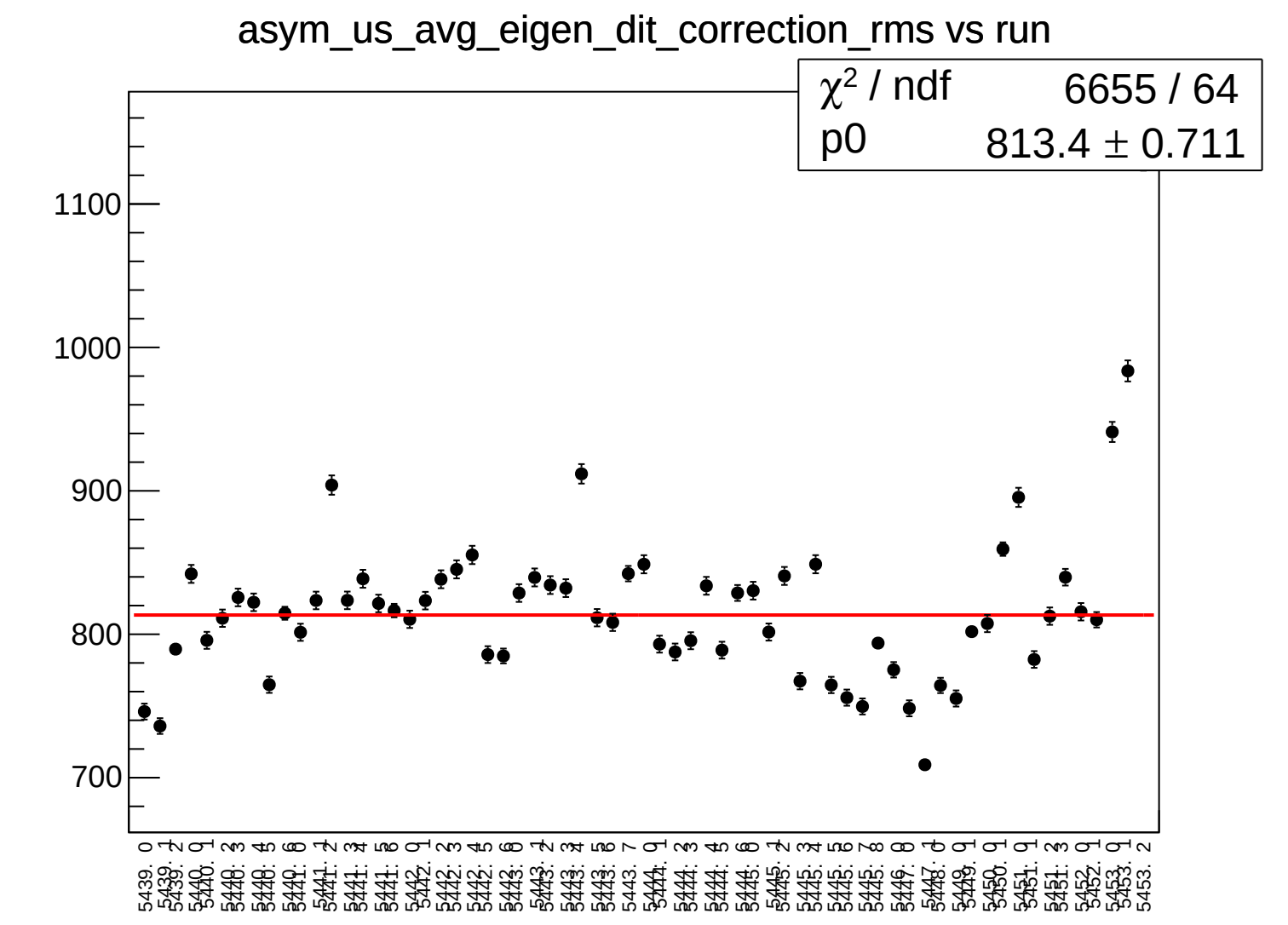

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 72.78 / 64
p0 1978 ± 907.3
pull
Entries 65
Mean −394
Std Dev 0

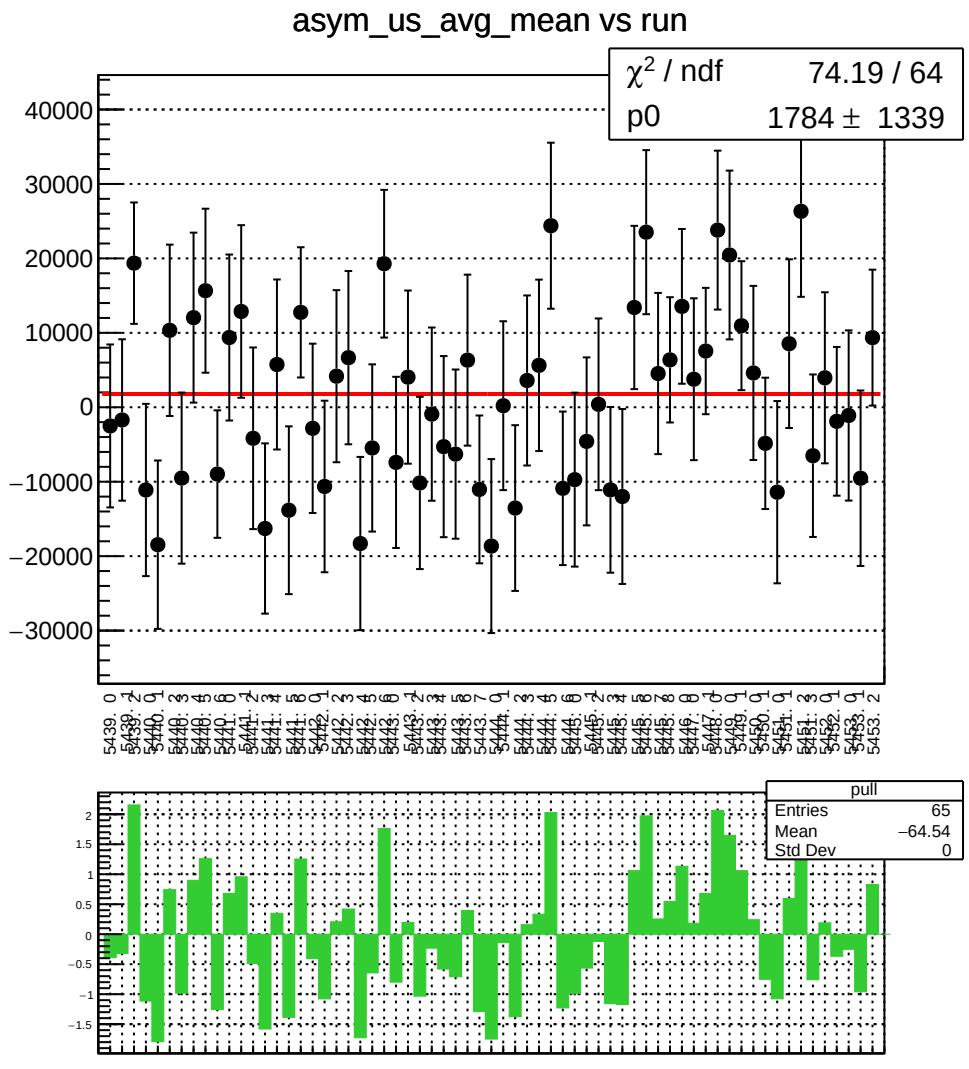

pull1D
Entries 65
Mean −0.006475
Std Dev 1.058

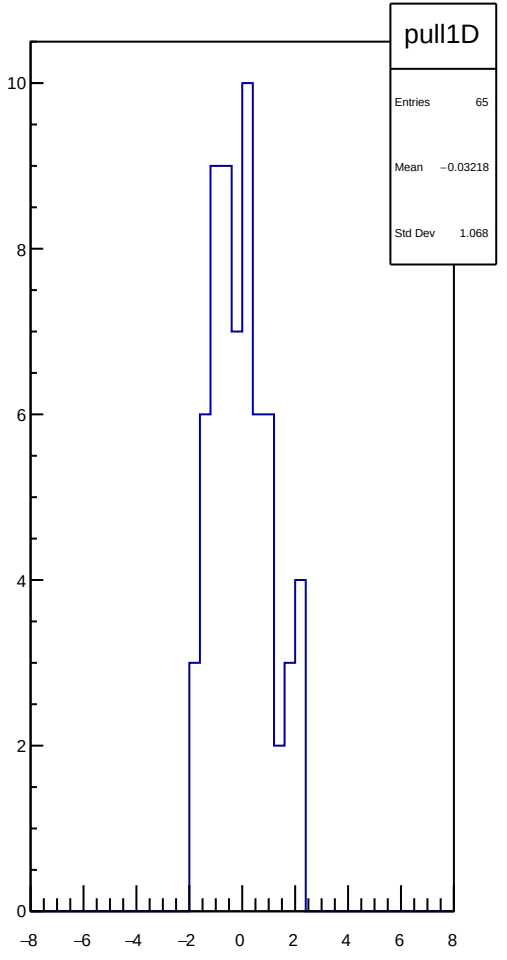

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 452.7 / 64
p0 735.7 ± 0.6416
800
790
780
770
760
750
740
730
720
710

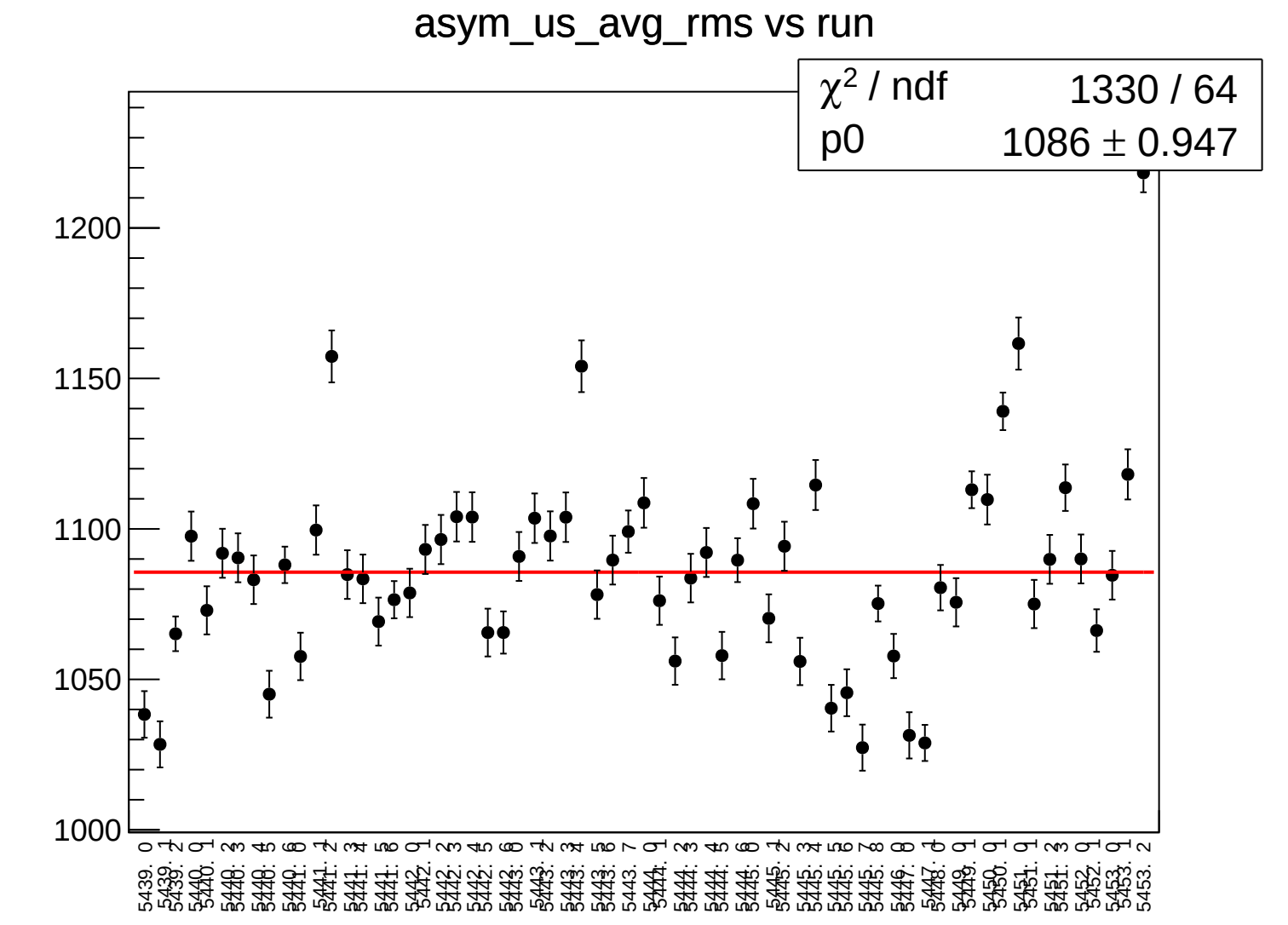

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 50.06 / 64
p0 193 ± 1005
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −9.784
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

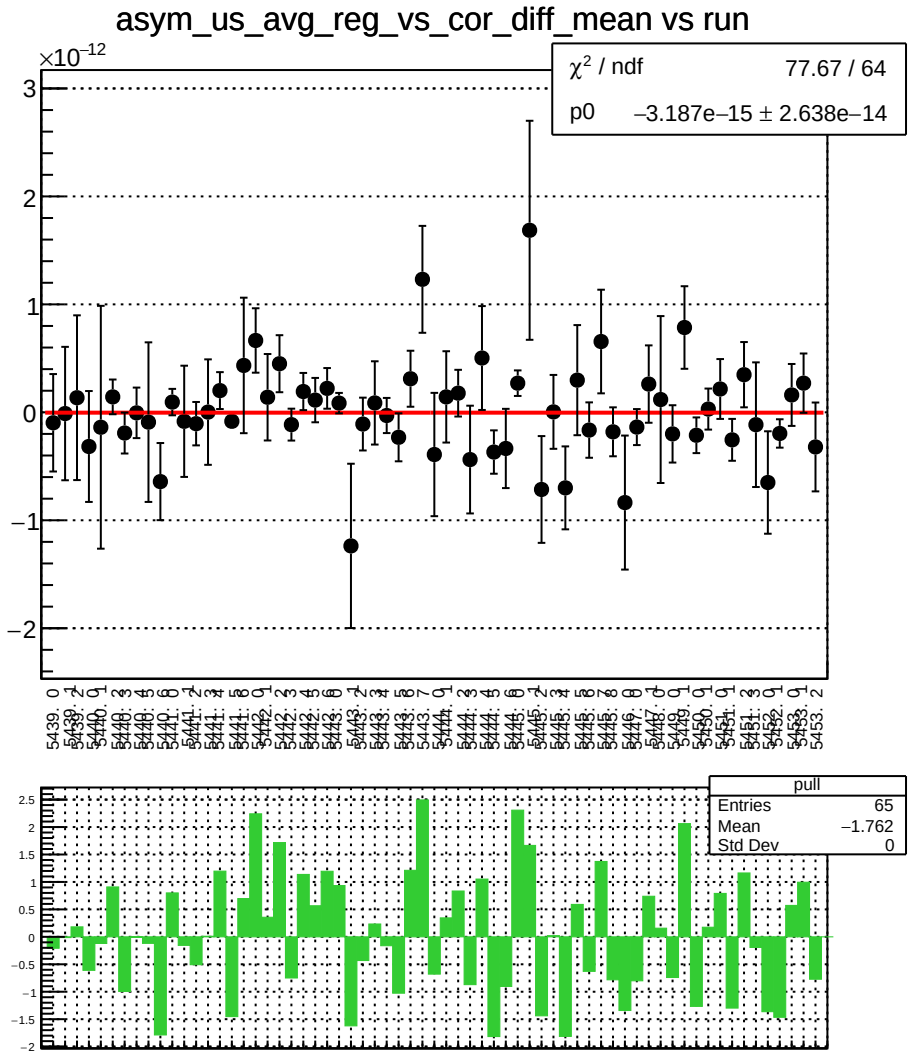

pull1D
Entries 65
Mean 0.037
Std Dev 0.8768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

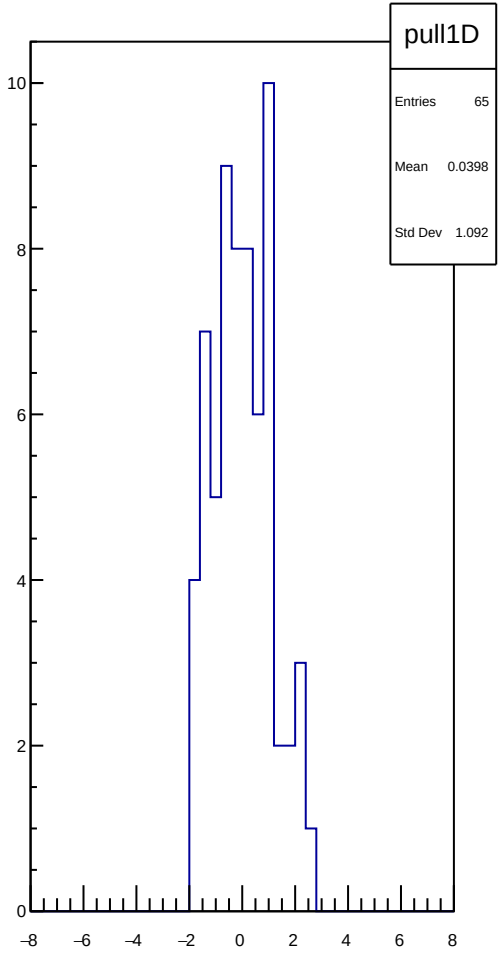

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 6655 / 64
p0 813.4 ± 0.711
1100
1000
900
800
700

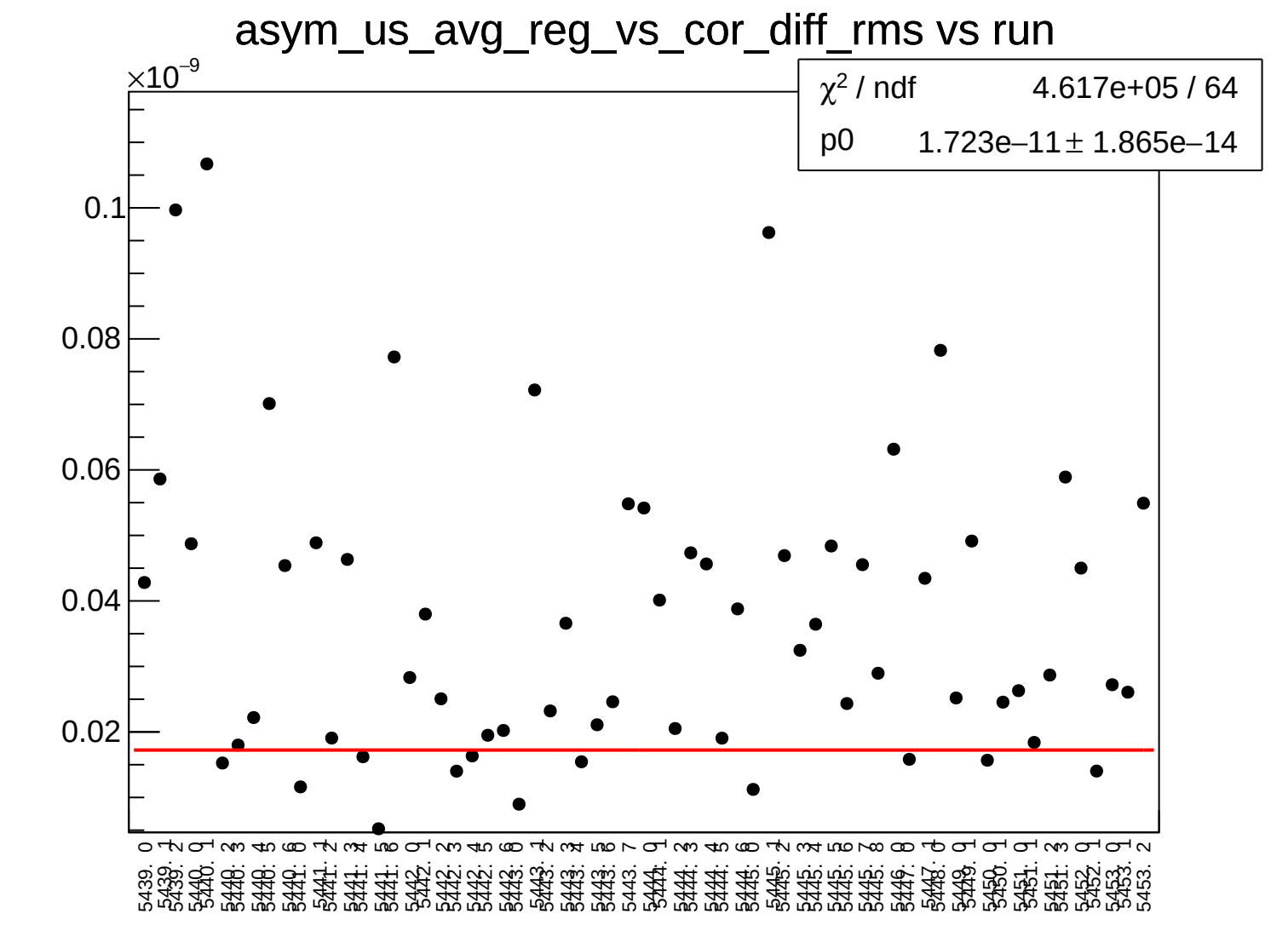

asym_us_avg_mean vs run
χ² / ndf 74.19 / 64
p0 1784 ± 1339
pull
Entries 65
Mean −64.54
Std Dev 0

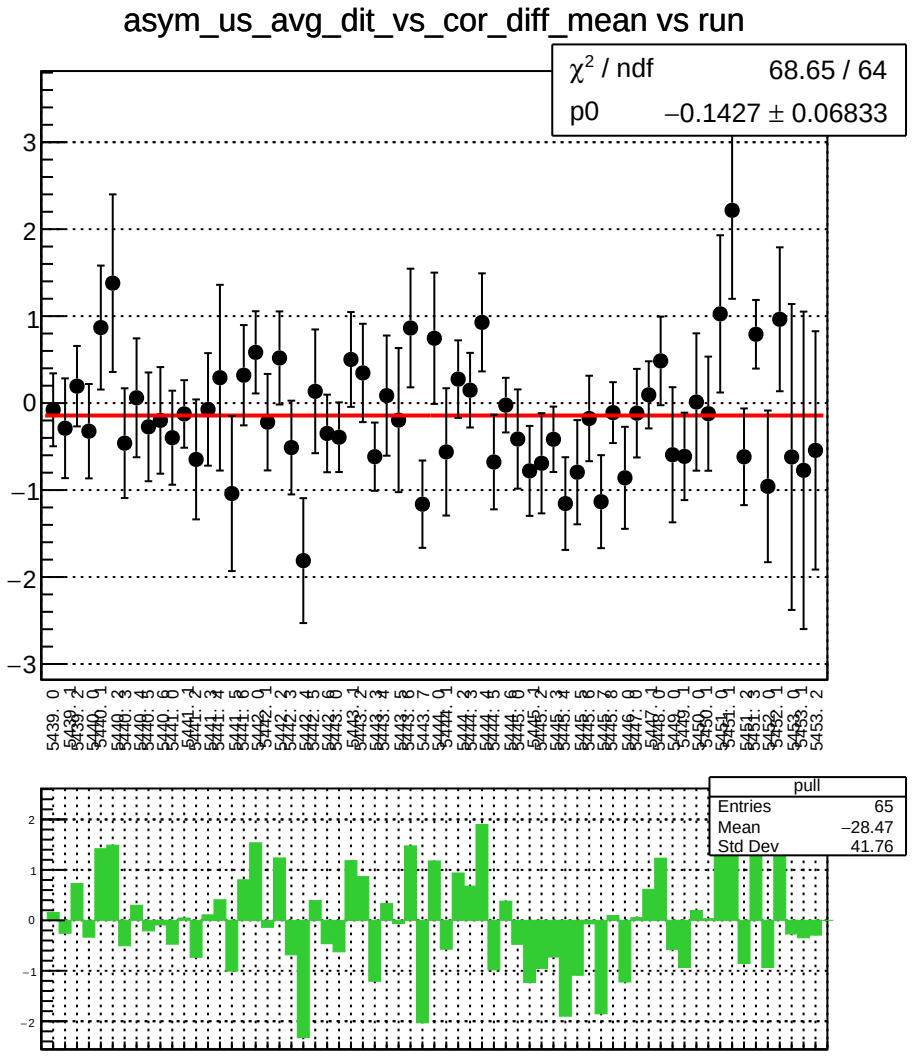

pull1D
Entries 65
Mean −0.03218
Std Dev 1.068

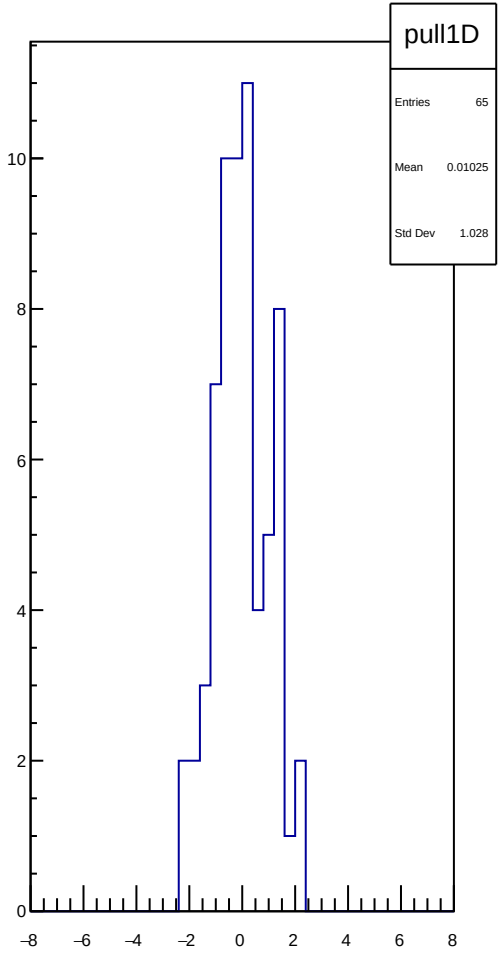

asym_us_avg_rms vs run
χ^2 / ndf 1330 / 64
p0 1086 ± 0.947
1200
1150
1100
1050
1000

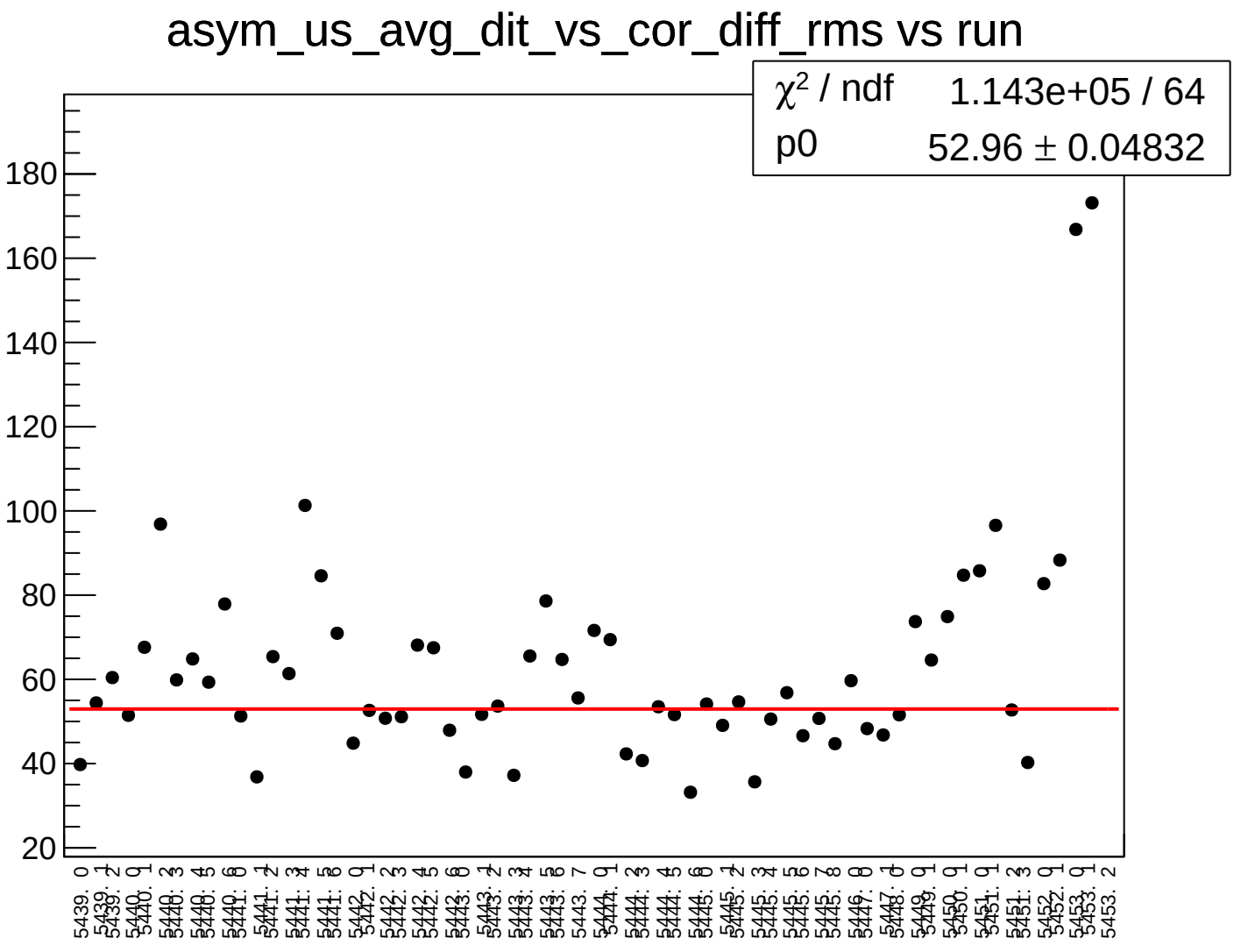

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.67 / 64
p0 −3.187e−15 ± 2.638e−14
pull
Entries 65
Mean −1.762
Std Dev 0

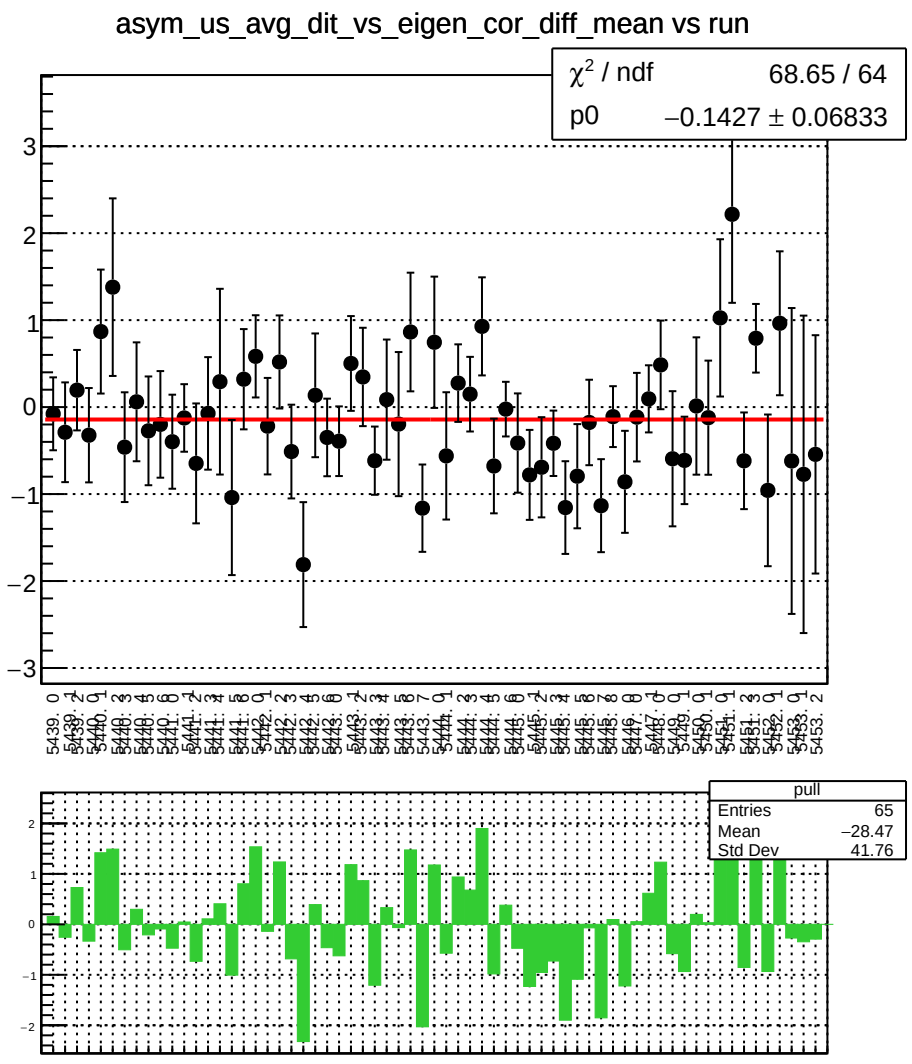

pull1D
Entries 65
Mean 0.0398
Std Dev 1.092

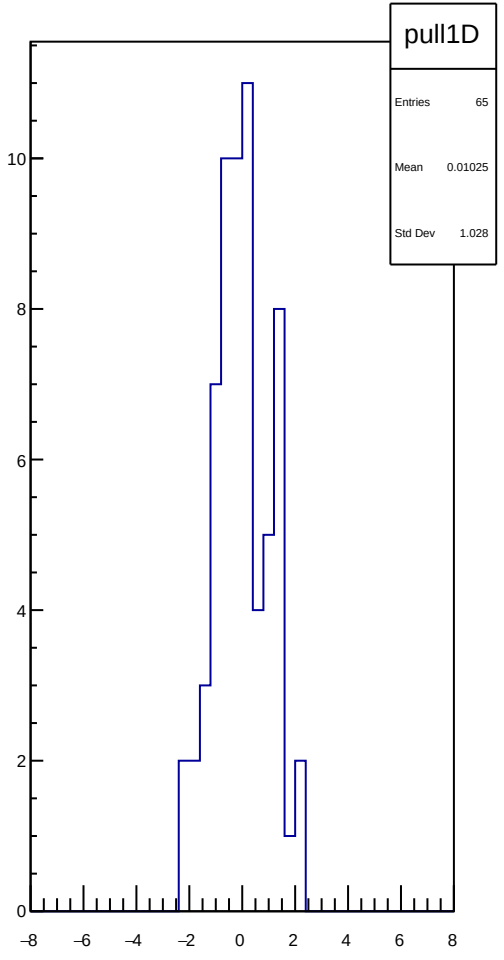

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.617e+05 / 64
p0 1.723e−11 ± 1.865e−14
0.1
0.08
0.06
0.04
0.02

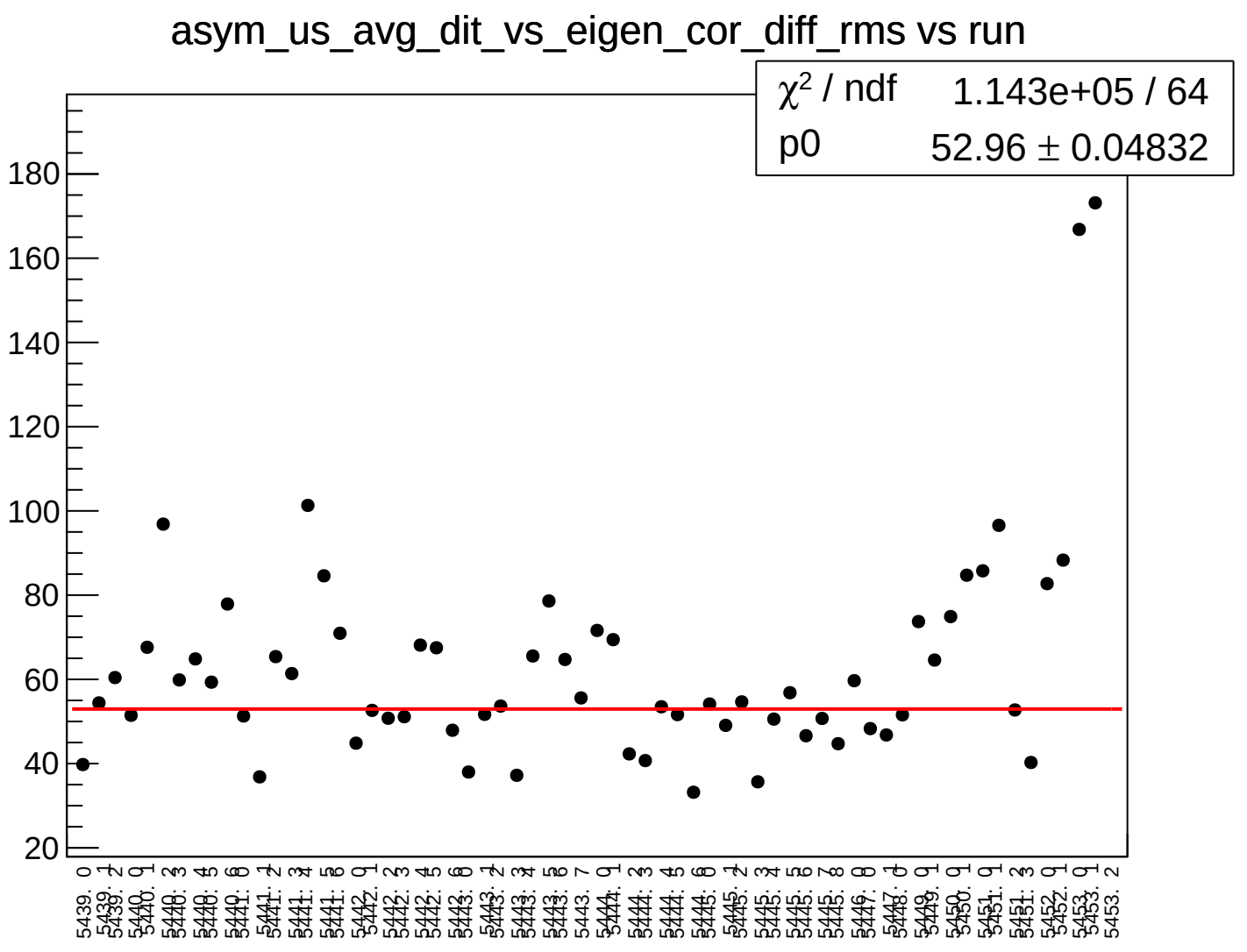

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.65 / 64
p0 −0.1427 ± 0.06833
pull
Entries 65
Mean −28.47
Std Dev 41.76

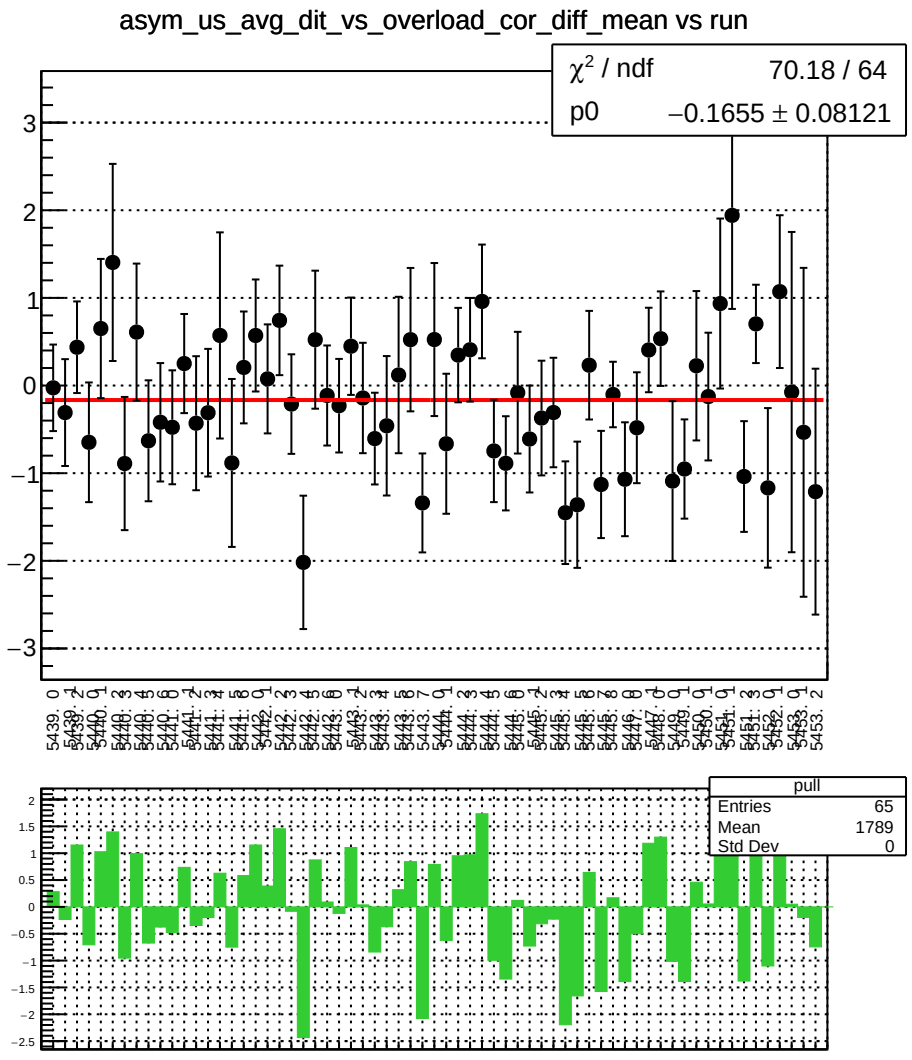

pull1D
Entries 65
Mean 0.01025
Std Dev 1.028

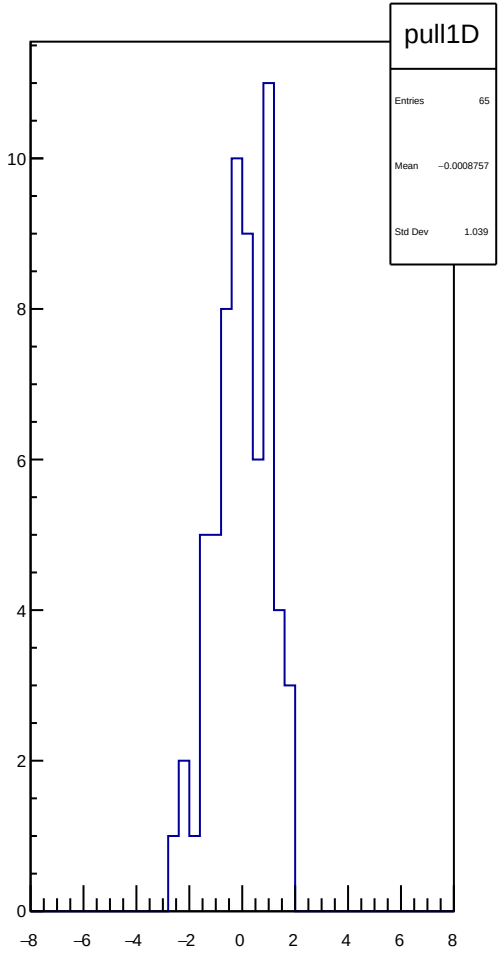

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.143e+05 / 64
p0 52.96 ± 0.04832
180
160
140
120
100
80
60
40
20

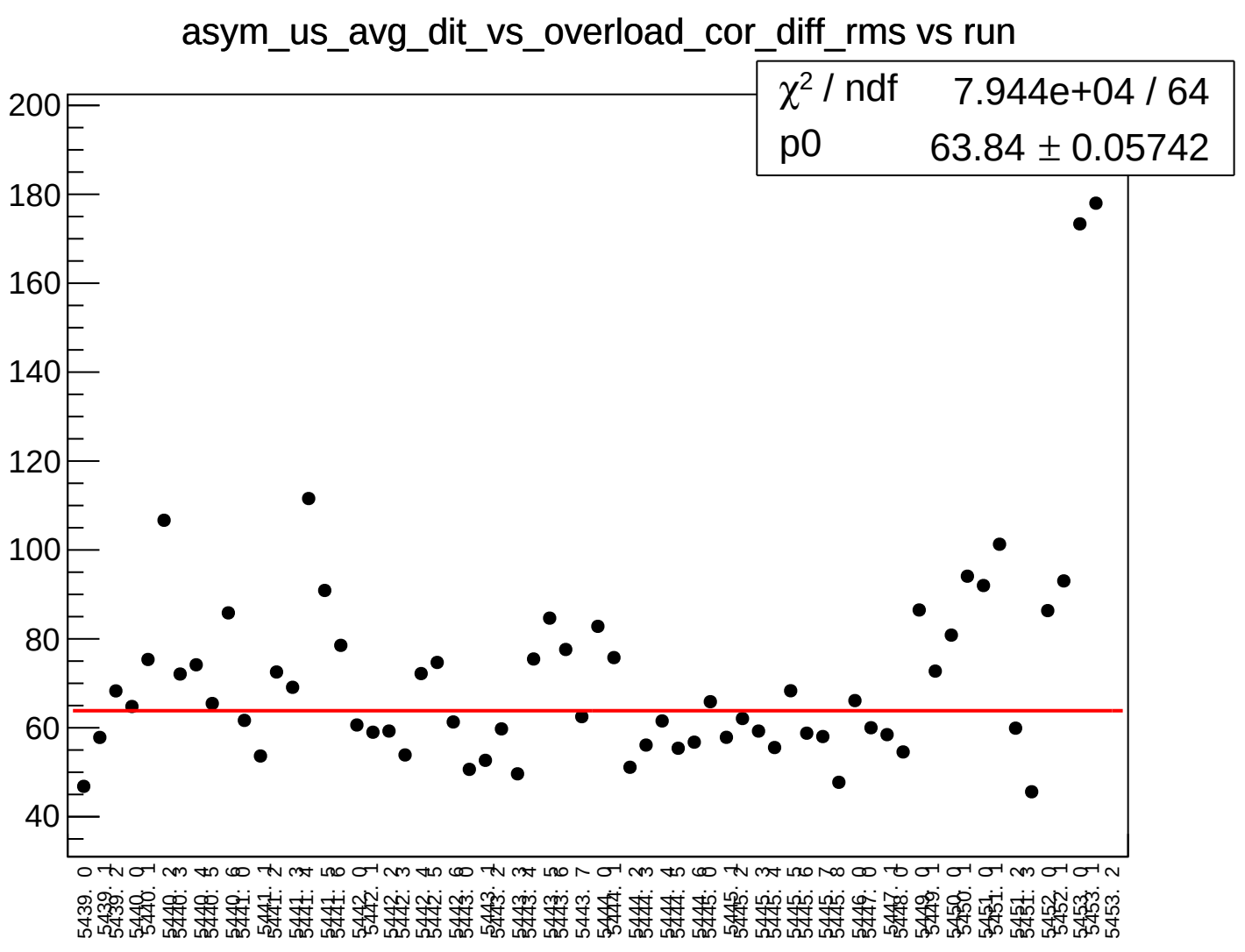

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.65 / 64
p0 −0.1427 ± 0.06833
pull
Entries 65
Mean −28.47
Std Dev 41.76

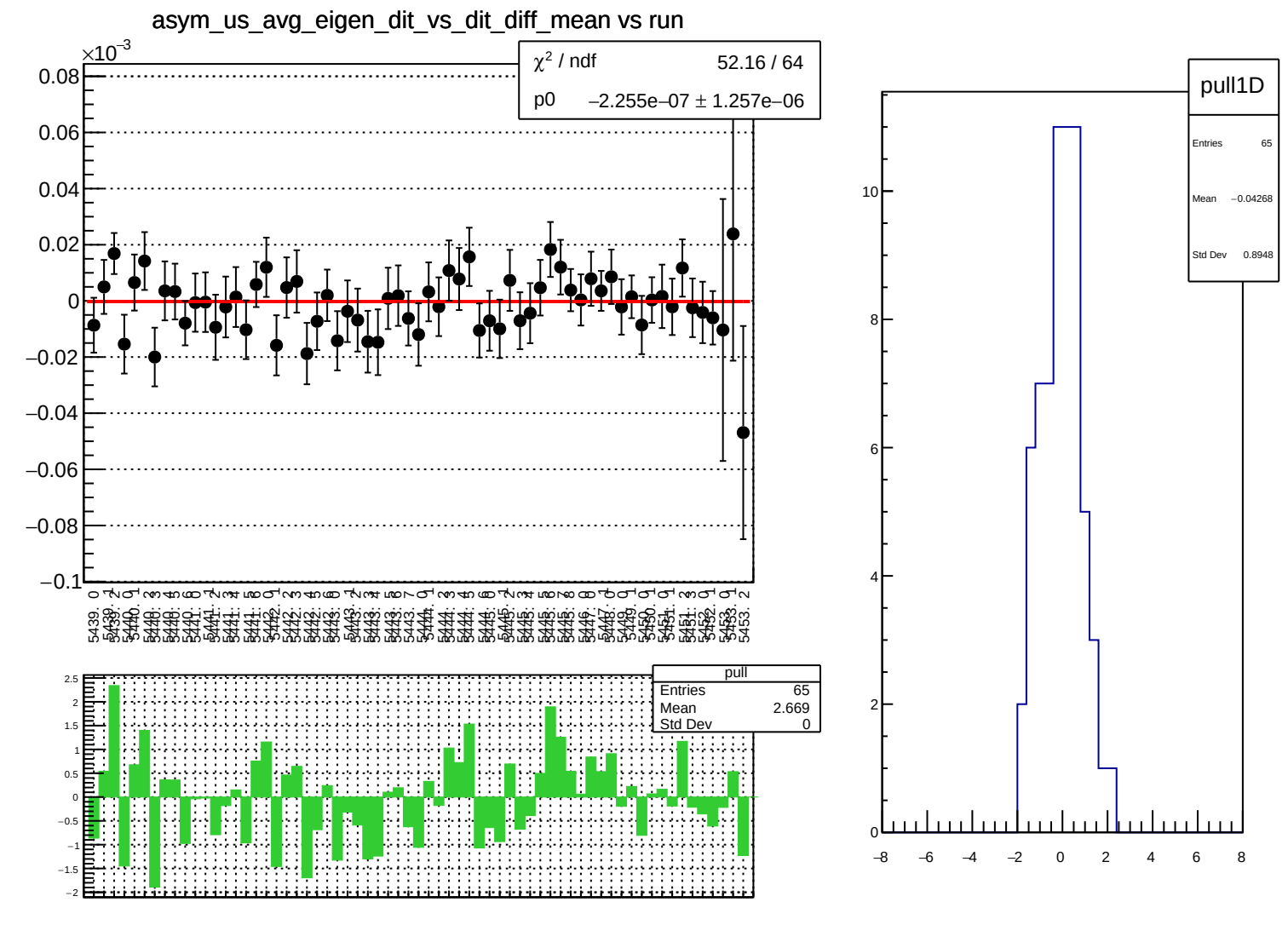

pull1D
Entries 65
Mean 0.01025
Std Dev 1.028

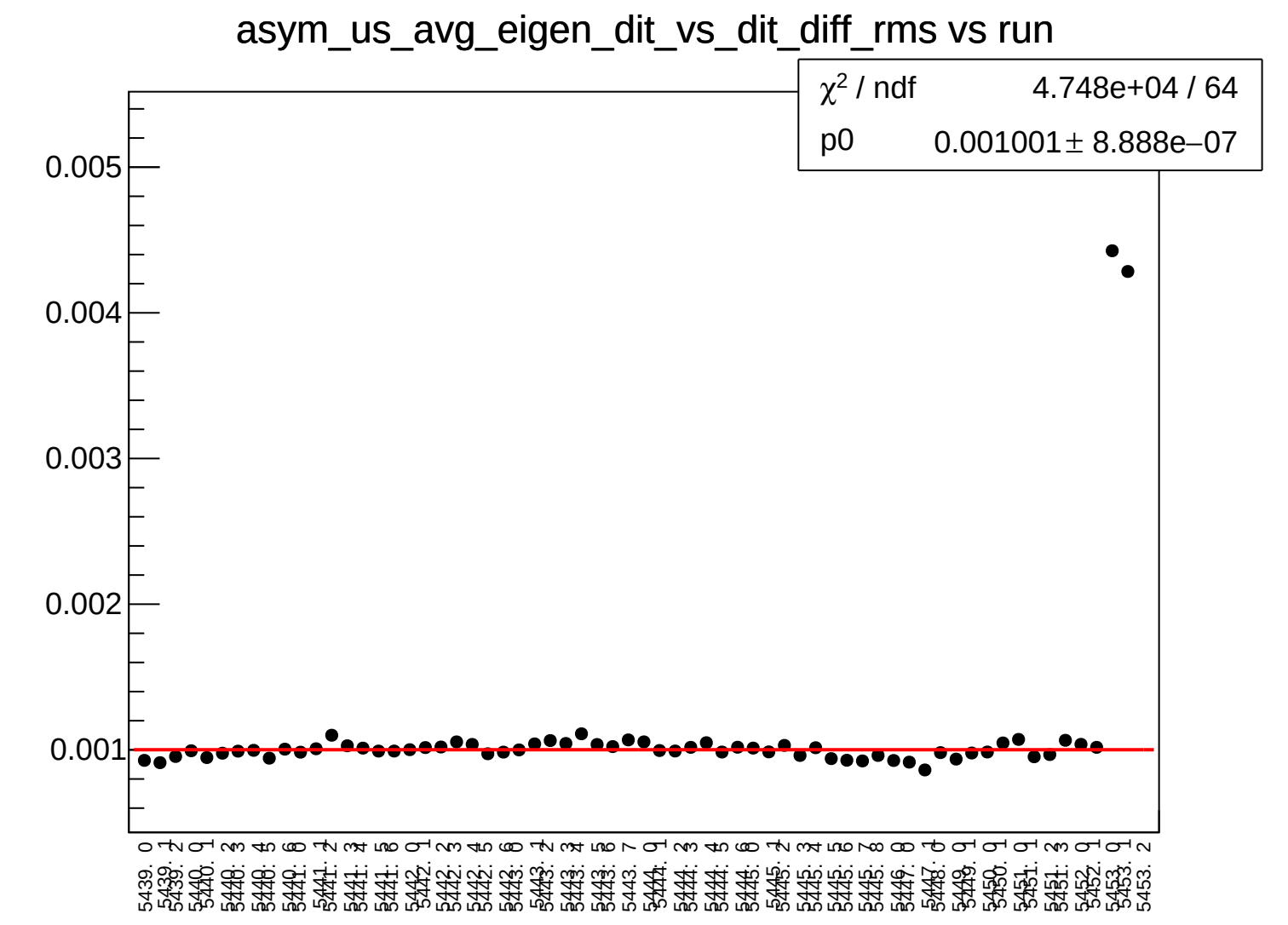

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.143e+05 / 64
p0 52.96 ± 0.04832
180
160
140
120
100
80
60
40
20

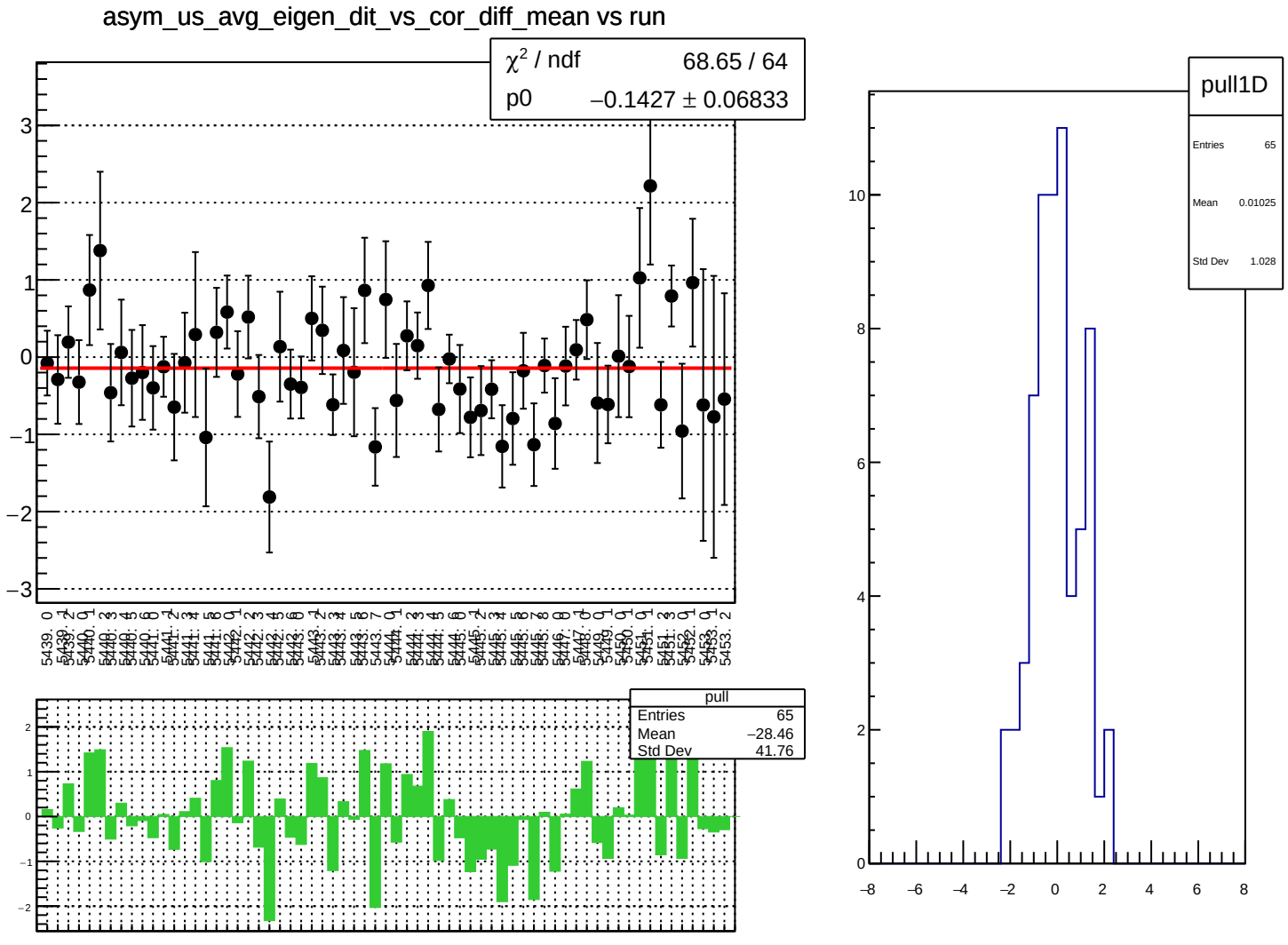

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 70.18 / 64
p0 −0.1655 ± 0.08121
pull
Entries 65
Mean 1789
Std Dev 0

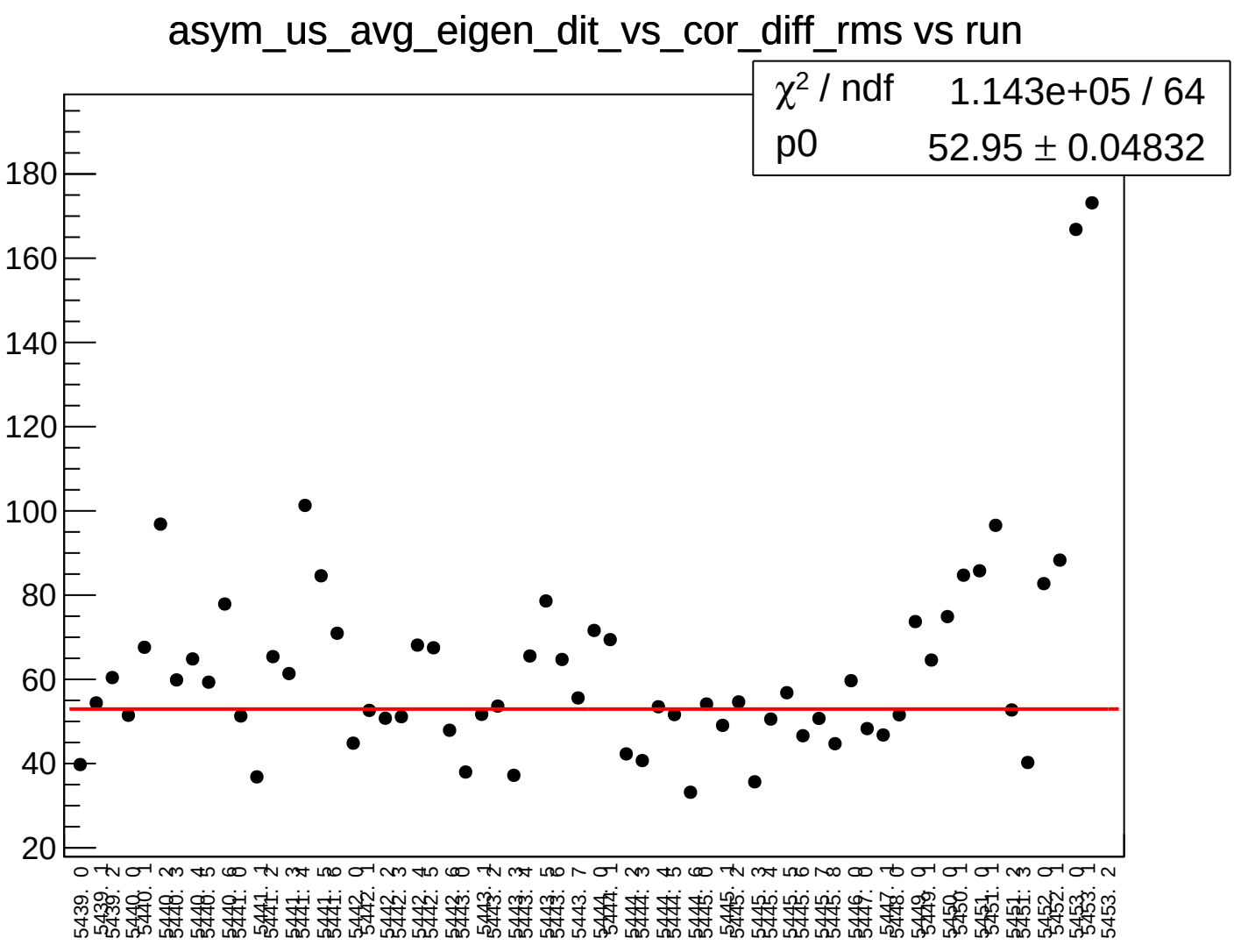

pull1D
Entries 65
Mean −0.0008757
Std Dev 1.039

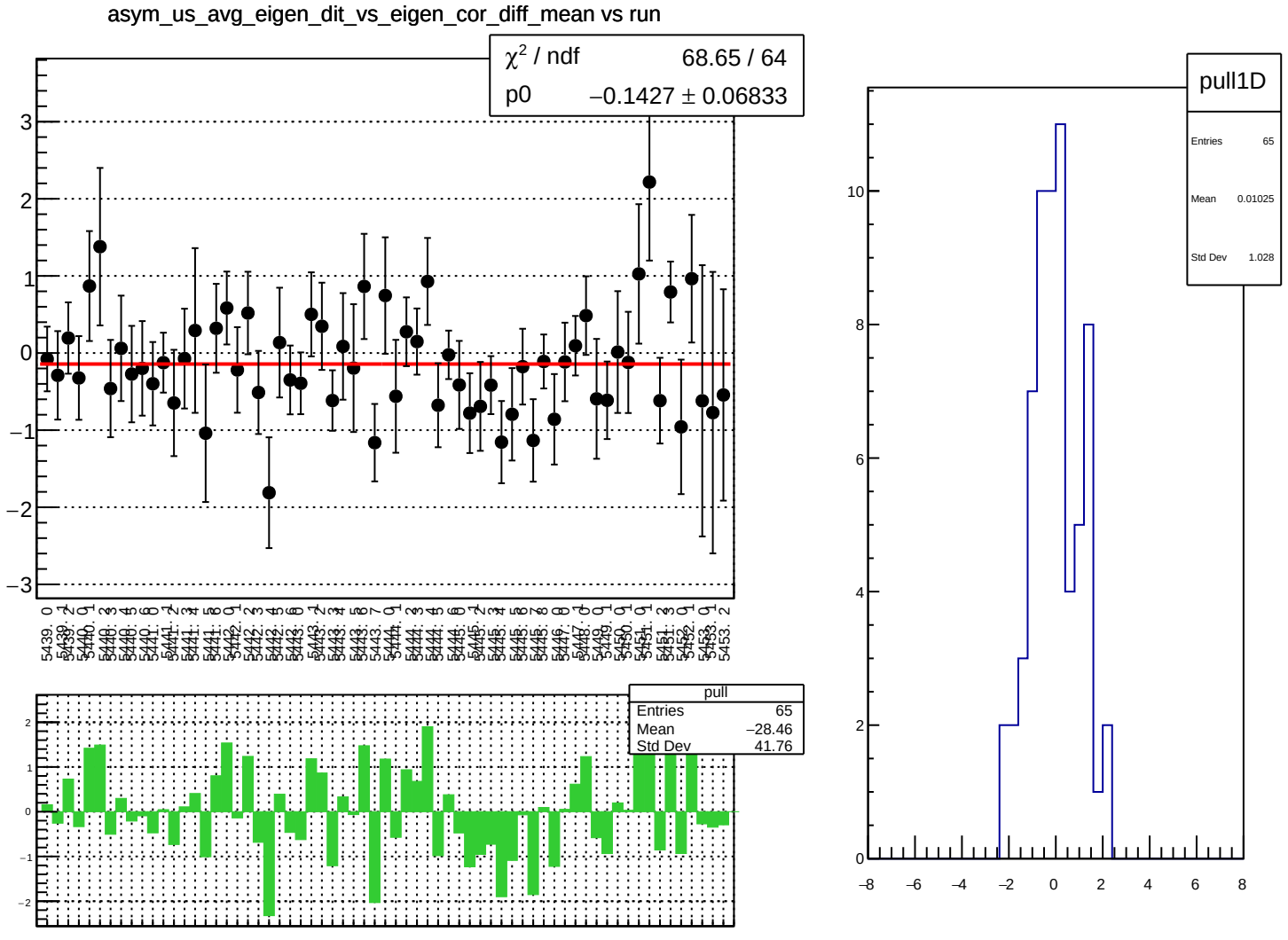

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.944e+04 / 64
p0 63.84 ± 0.05742
200
180
160
140
120
100
80
60
40

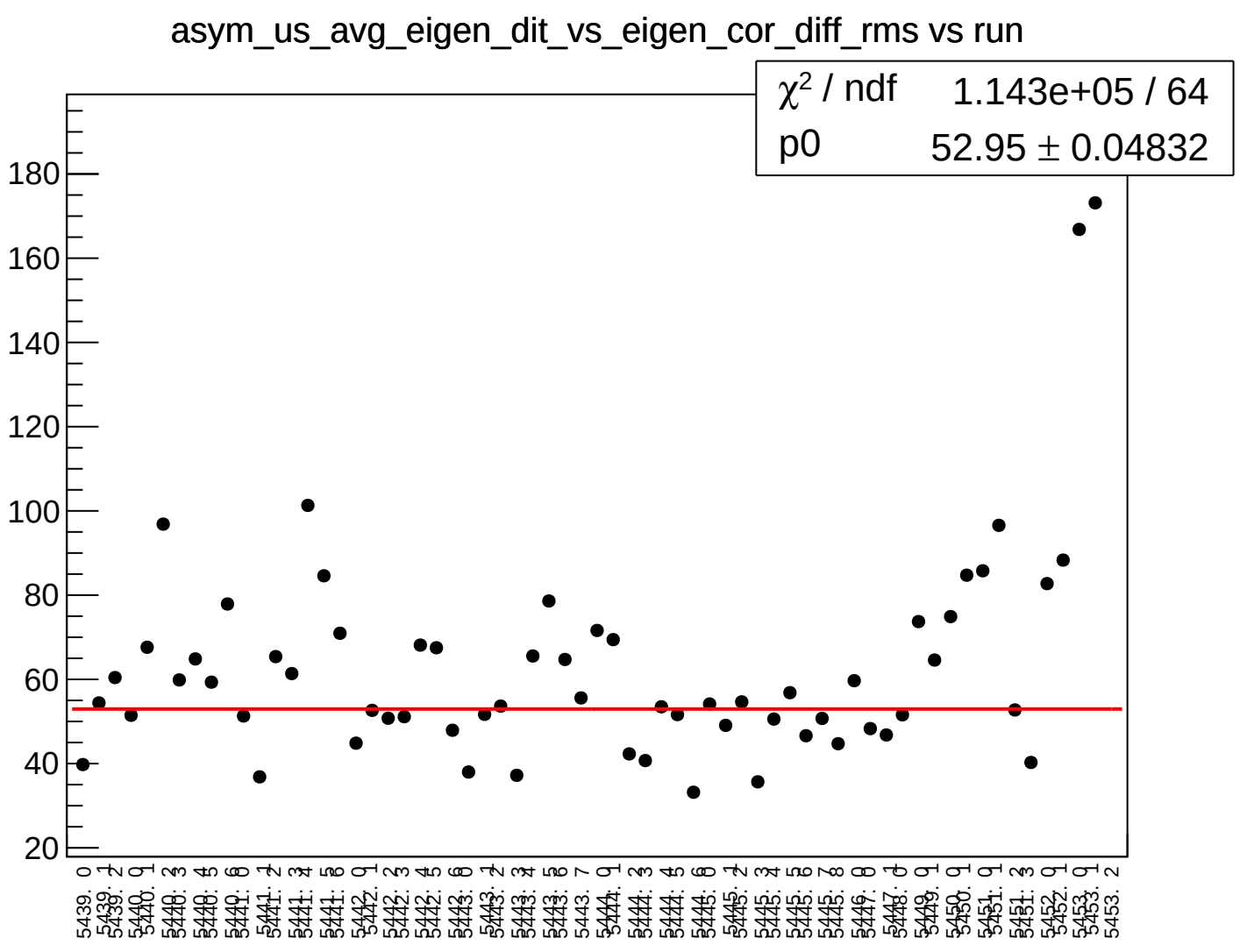

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.16 / 64
p0 −2.255e−07 ± 1.257e−06
pull
Entries 65
Mean 2.669
Std Dev 0
pull1D
Entries 65
Mean −0.04268
Std Dev 0.8948

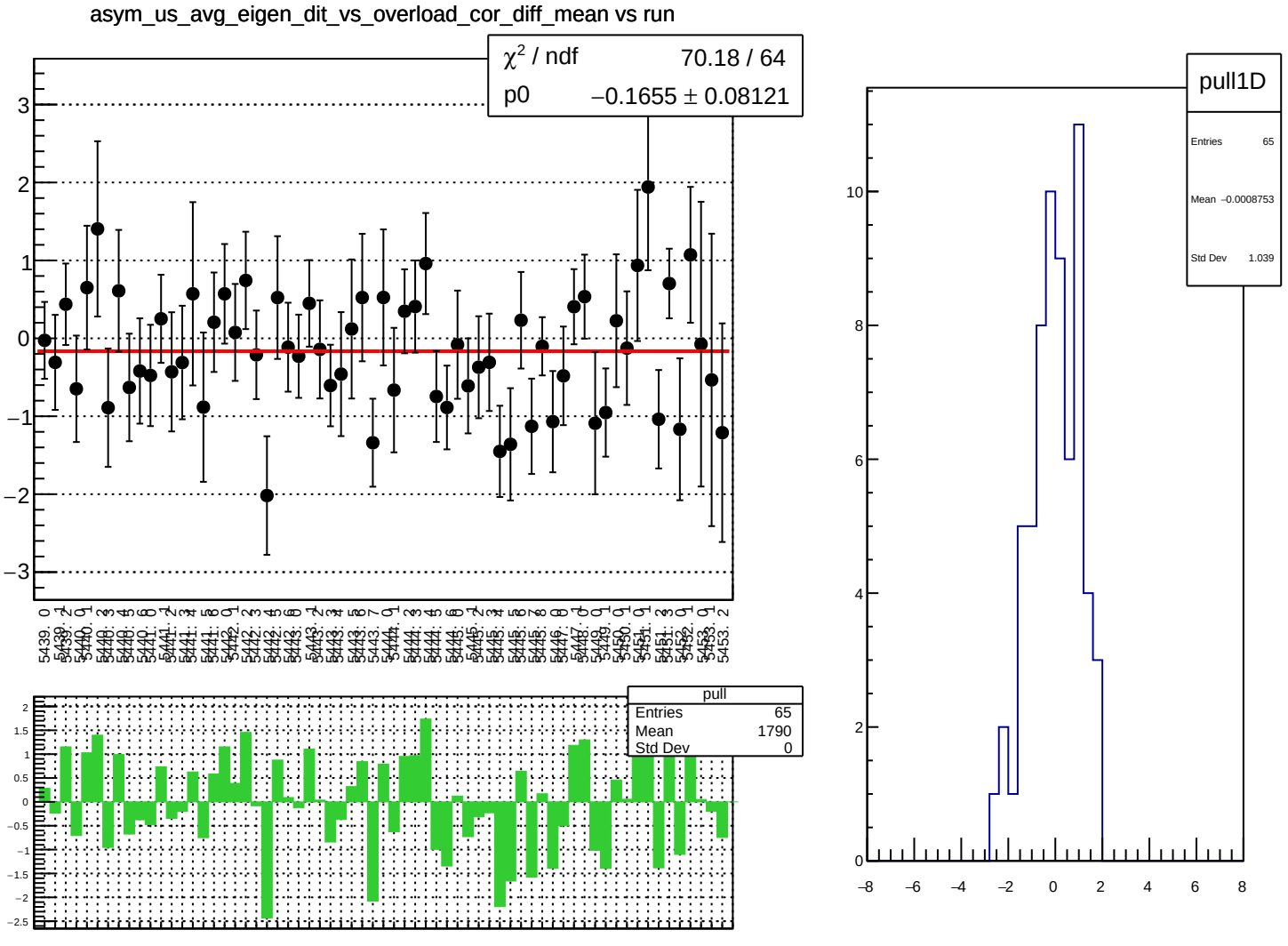

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.748e+04 / 64
p0 0.001001 ± 8.888e−07
0.005
0.004
0.003
0.002
0.001

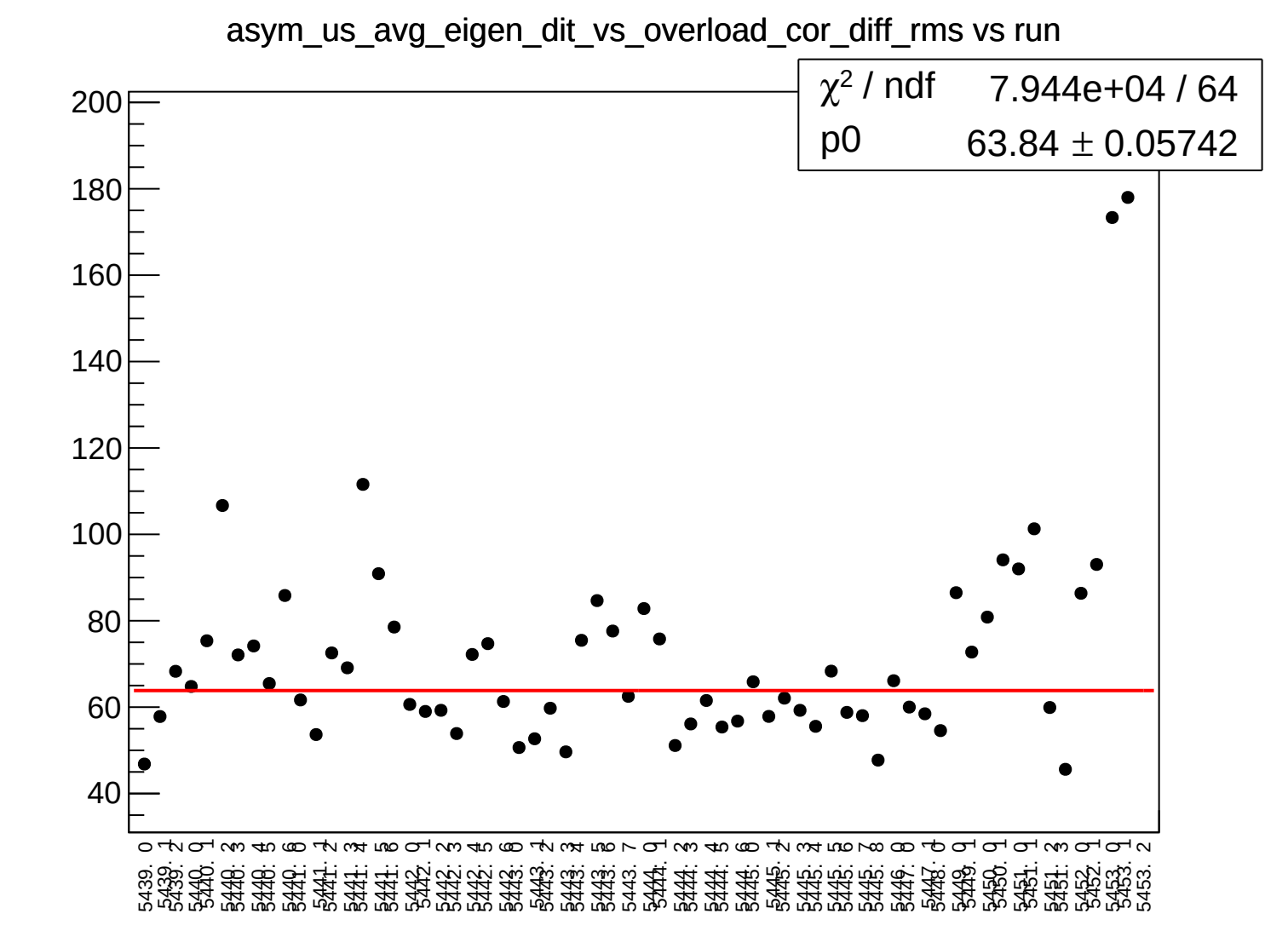

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.65 / 64
p0 −0.1427 ± 0.06833
pull
Entries 65
Mean −28.46
Std Dev 41.76
pull1D
Entries 65
Mean 0.01025
Std Dev 1.028

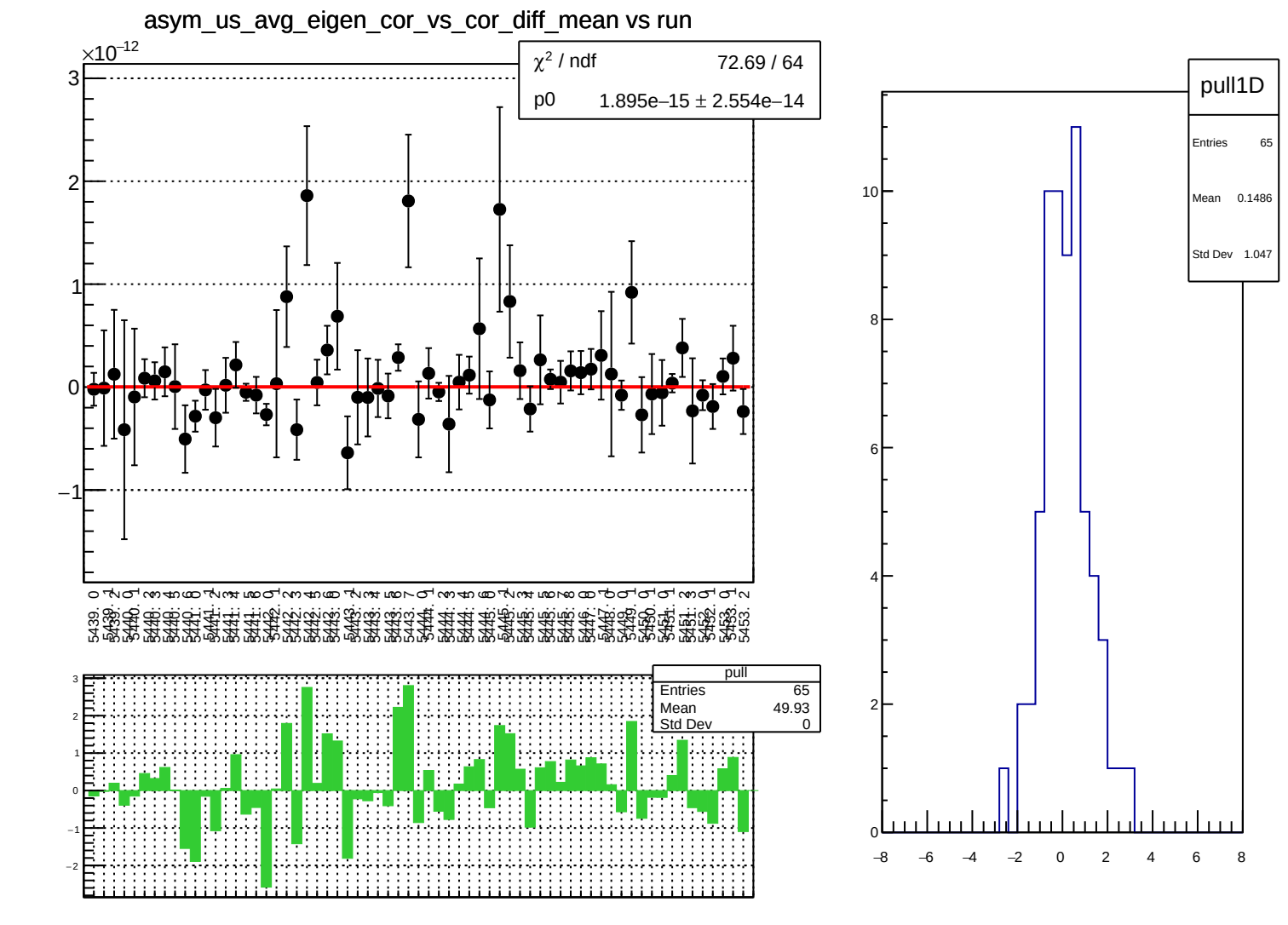

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.143e+05 / 64
p0 52.95 ± 0.04832
180
160
140
120
100
80
60
40
20

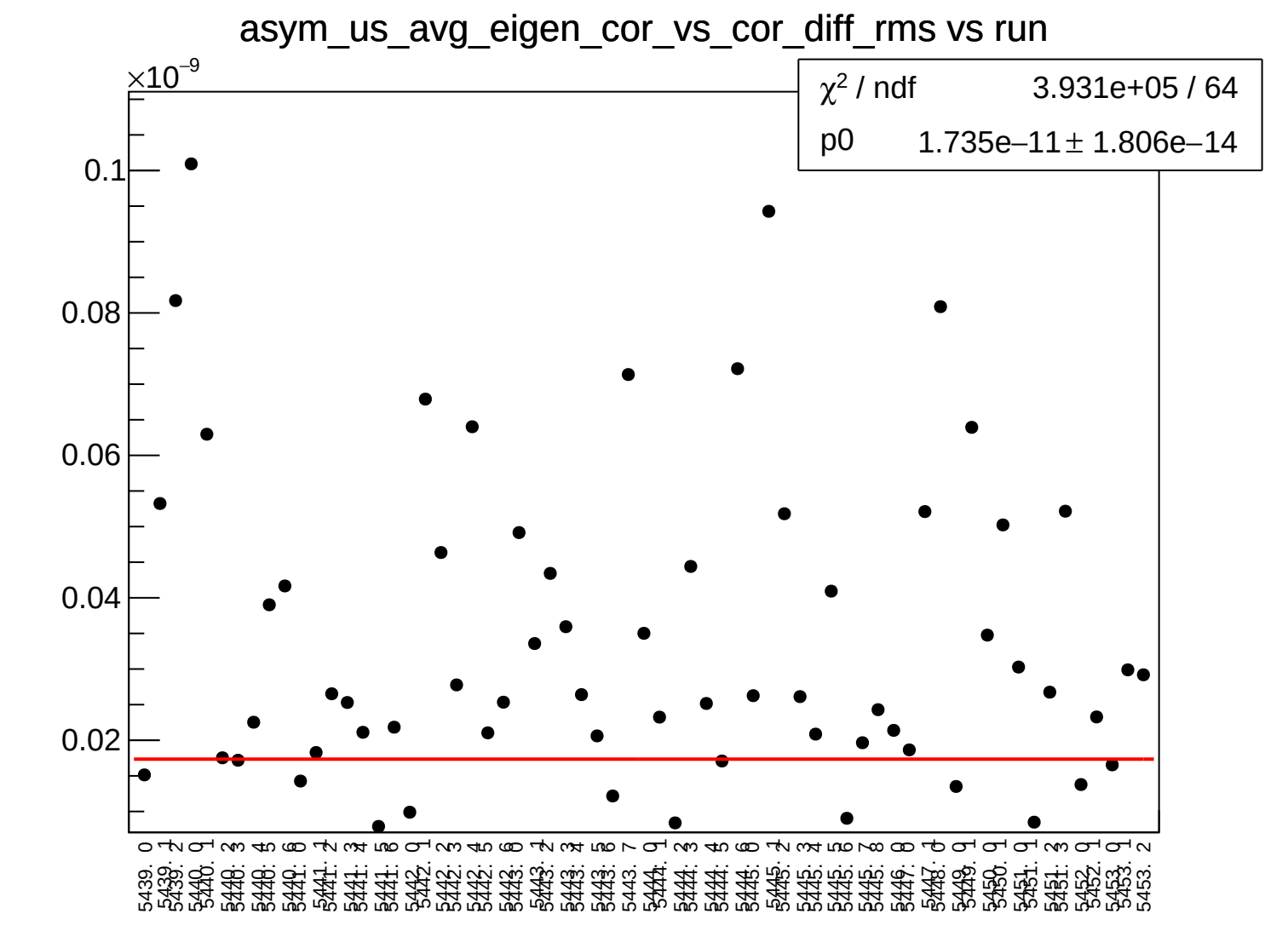

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.65 / 64
p0 −0.1427 ± 0.06833
pull
Entries 65
Mean −28.46
Std Dev 41.76
pull1D
Entries 65
Mean 0.01025
Std Dev 1.028

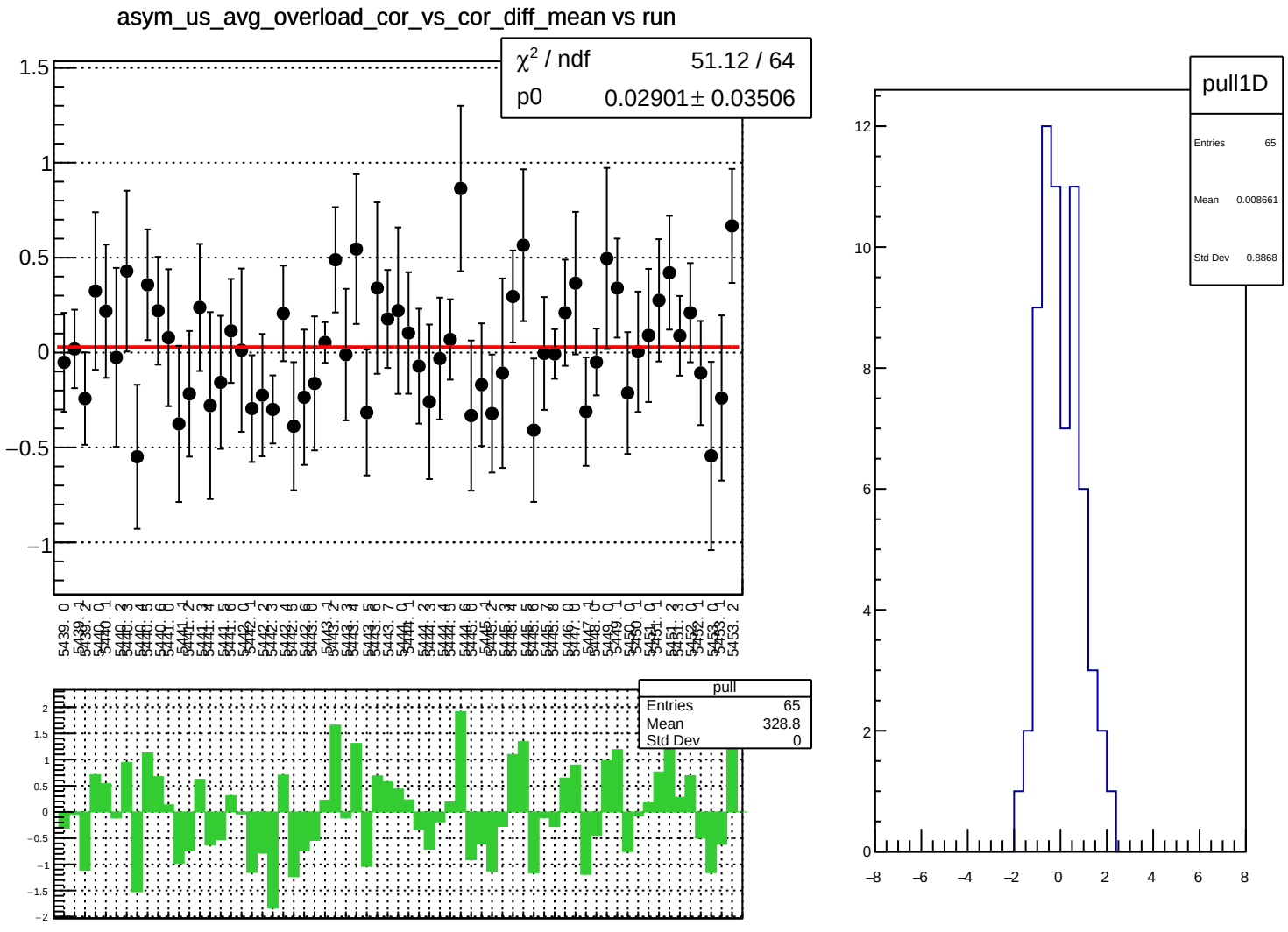

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.143e+05 / 64
p0 52.95 ± 0.04832
180
160
140
120
100
80
60
40
20

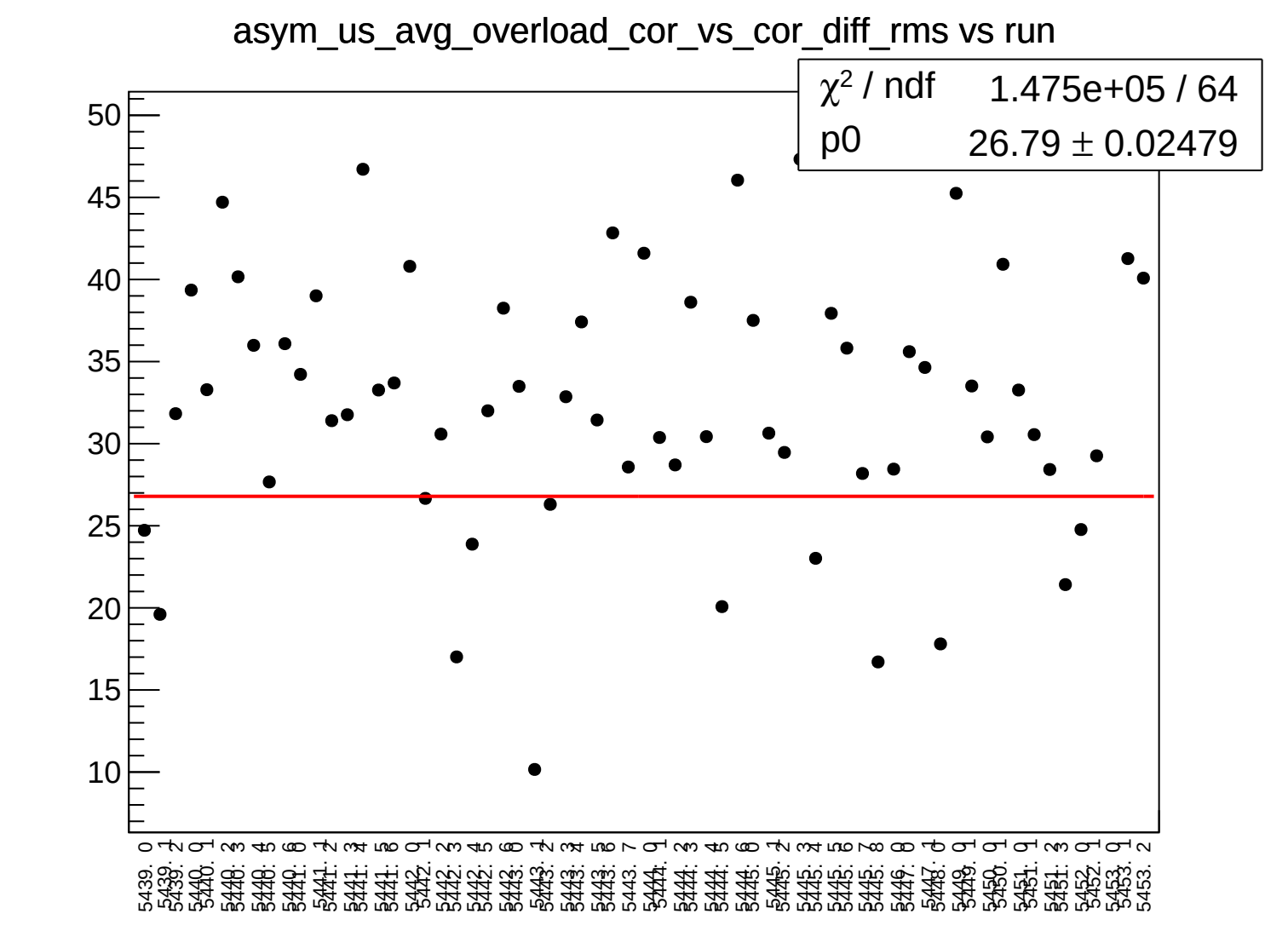

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 70.18 / 64
p0 −0.1655 ± 0.08121
pull
Entries 65
Mean 1790
Std Dev 0
pull1D
Entries 65
Mean −0.0008753
Std Dev 1.039

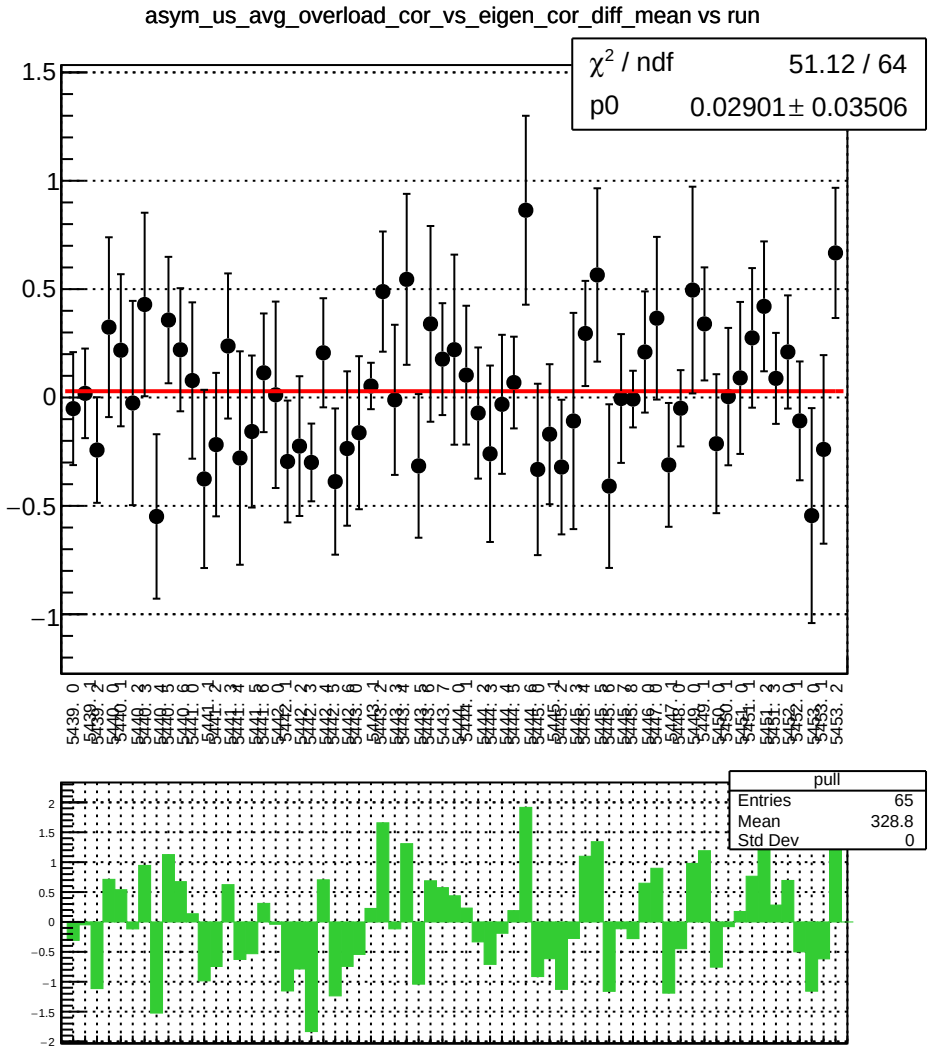

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.944e+04 / 64
p0 63.84 ± 0.05742
200
180
160
140
120
100
80
60
40

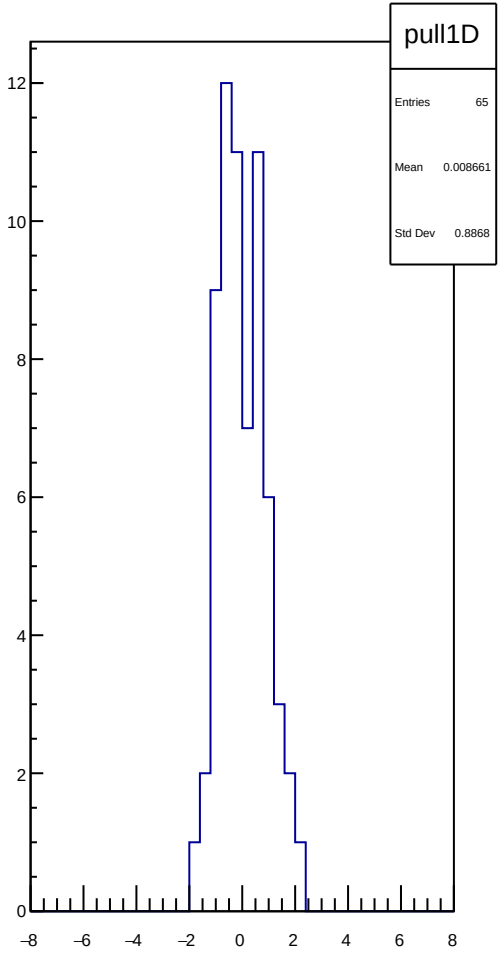

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.69 / 64
p0 1.895e−15 ± 2.554e−14
pull
Entries 65
Mean 49.93
Std Dev 0
pull1D
Entries 65
Mean 0.1486
Std Dev 1.047

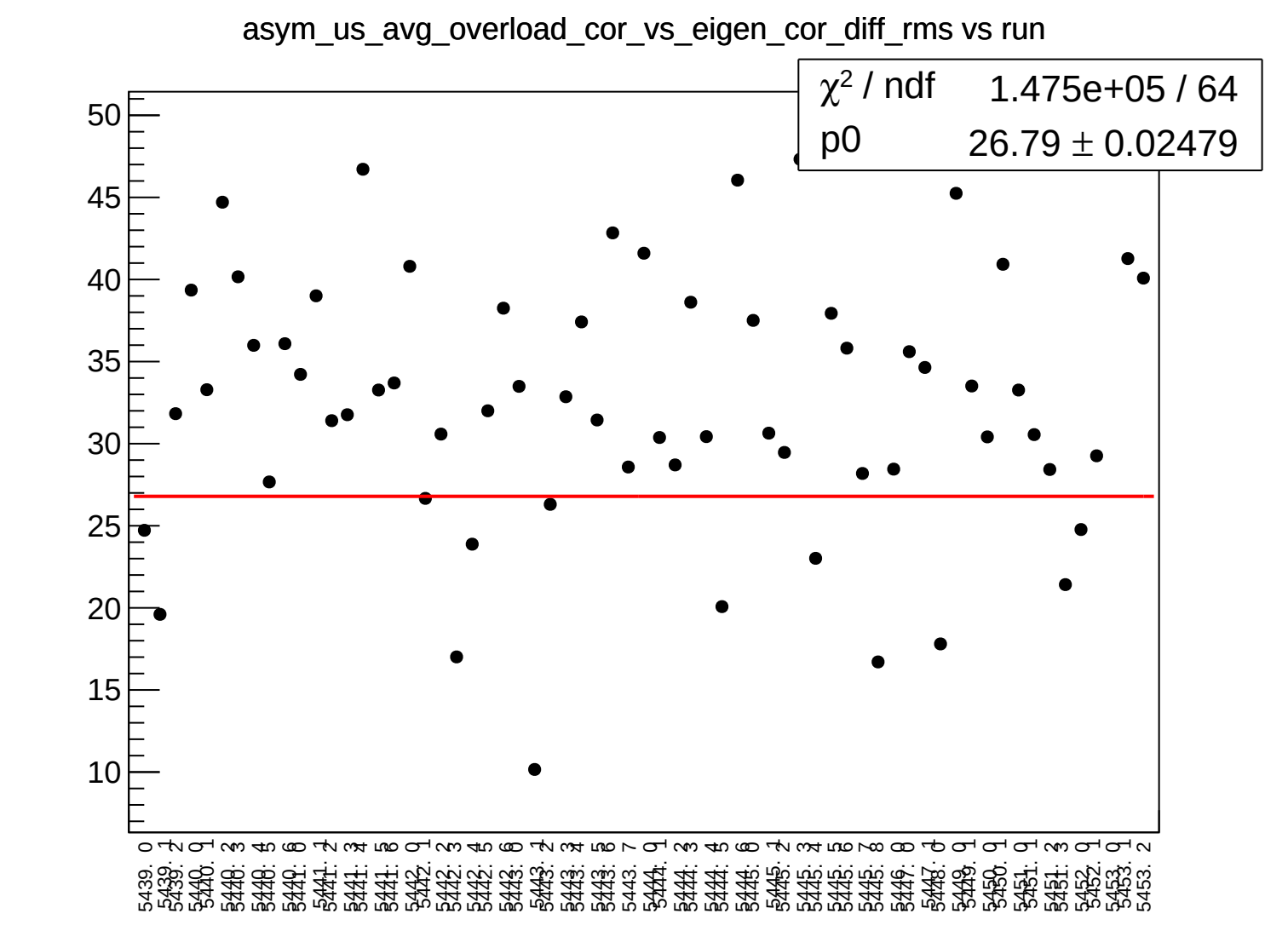

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.931e+05 / 64
p0 1.735e−11 ± 1.806e−14
0.1
0.08
0.06
0.04
0.02

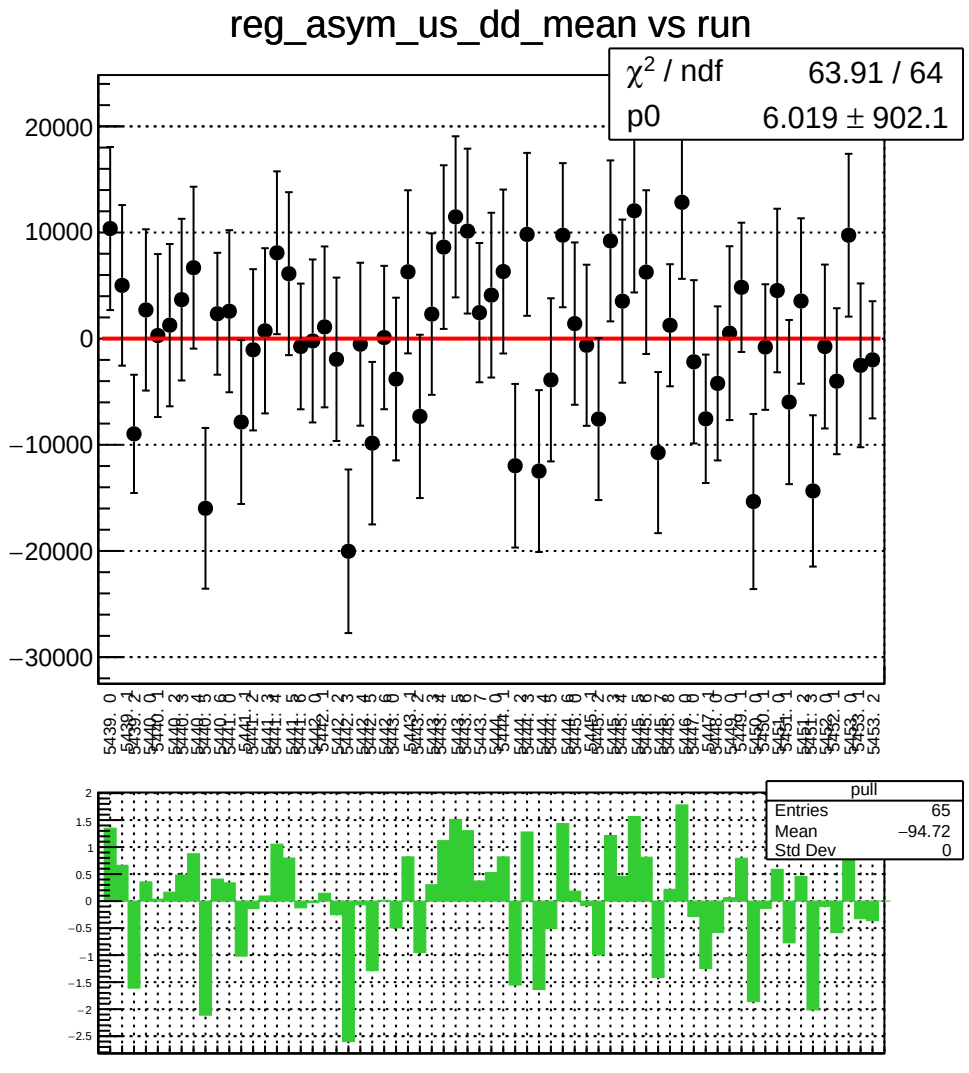

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 51.12 / 64
p0 0.02901 ± 0.03506
pull
Entries 65
Mean 328.8
Std Dev 0
pull1D
Entries 65
Mean 0.008661
Std Dev 0.8868

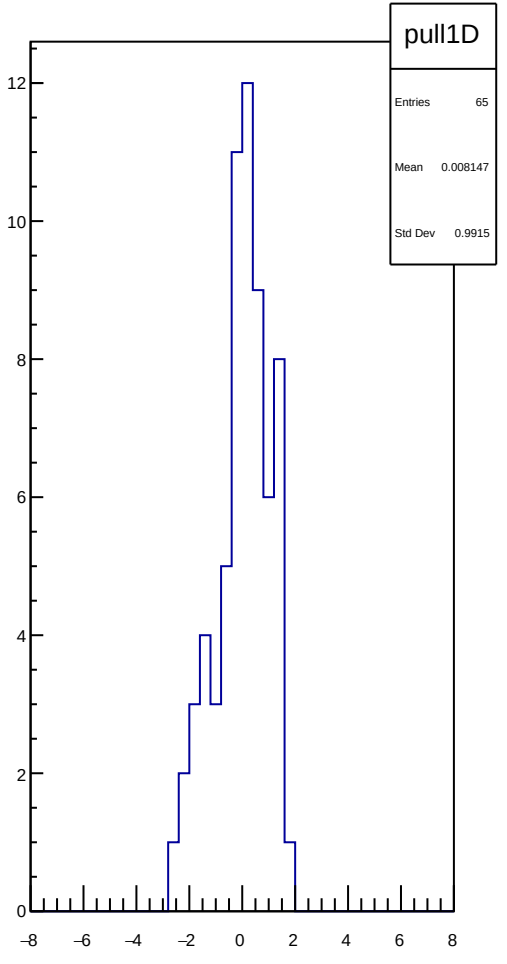

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.475e+05 / 64
p0 26.79 ± 0.02479
50
45
40
35
30
25
20
15
10

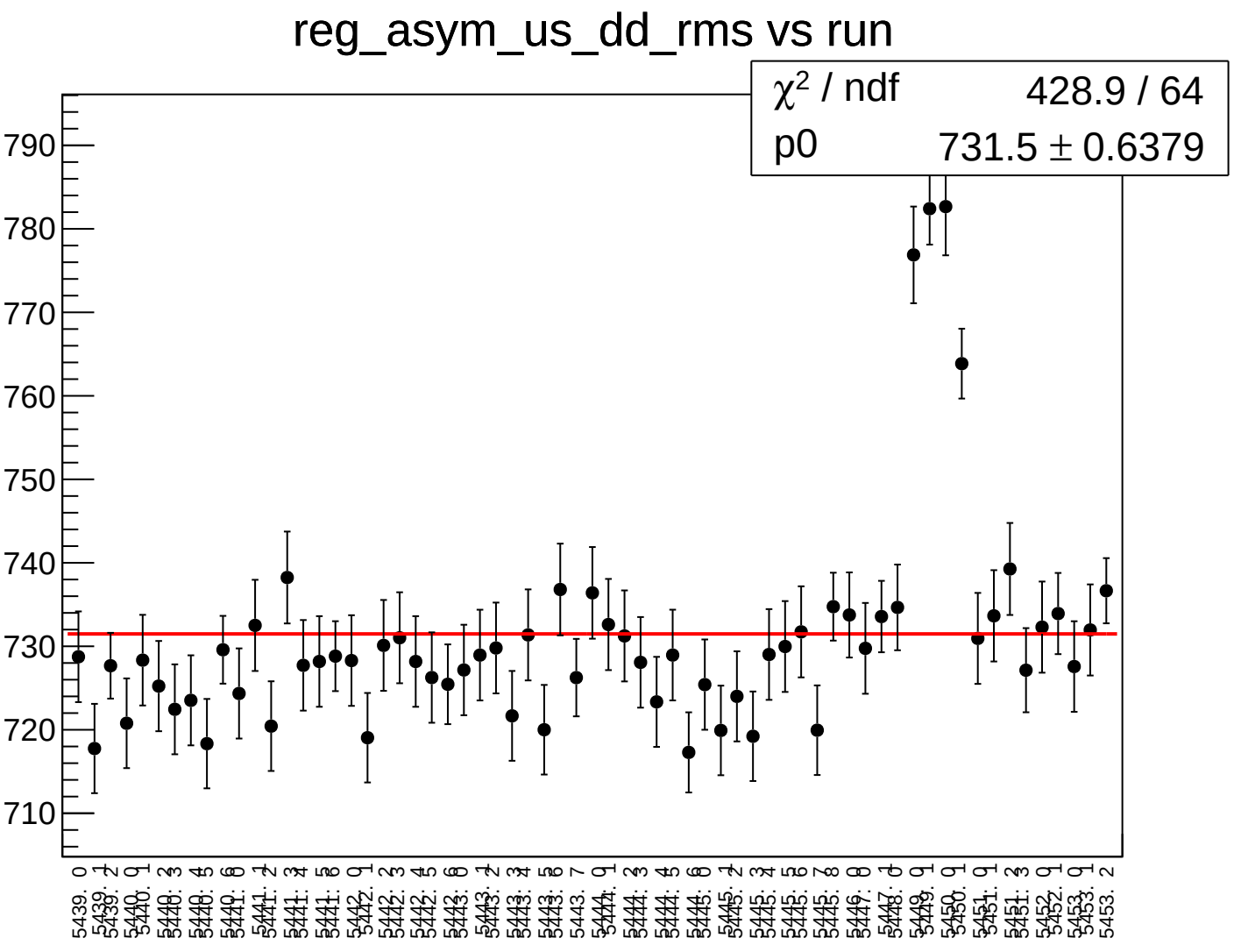

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.12 / 64
p0 0.02901 ± 0.03506
pull
Entries 65
Mean 328.8
Std Dev 0

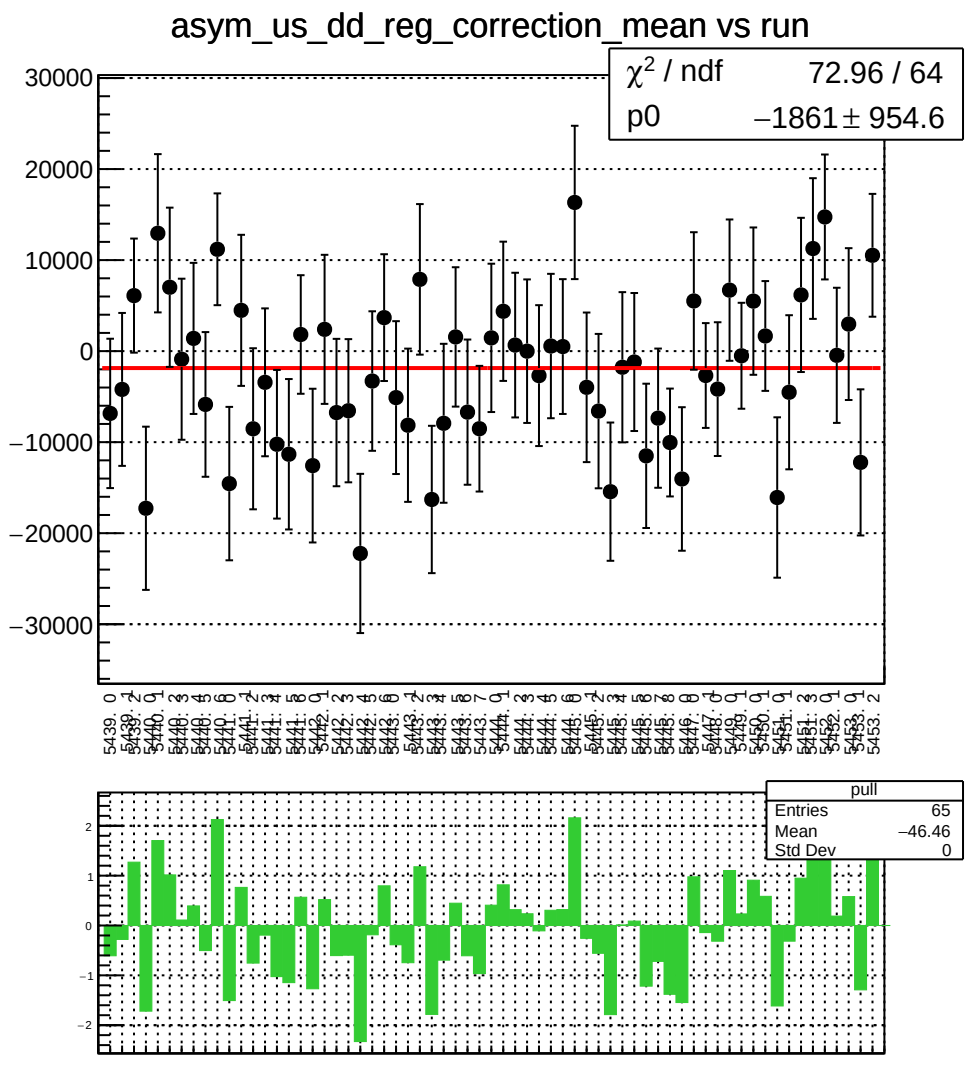

pull1D
Entries 65
Mean 0.008661
Std Dev 0.8868

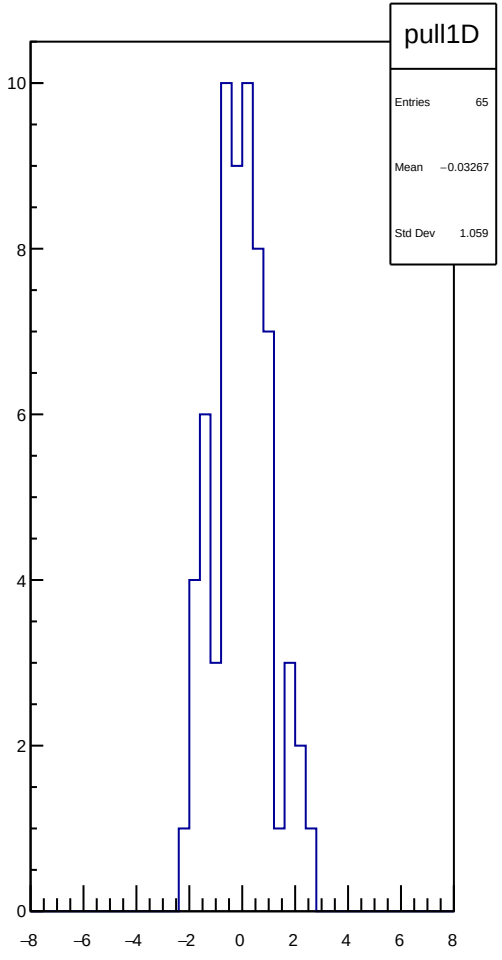

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.475e+05 / 64
p0 26.79 ± 0.02479
50
45
40
35
30
25
20
15
10

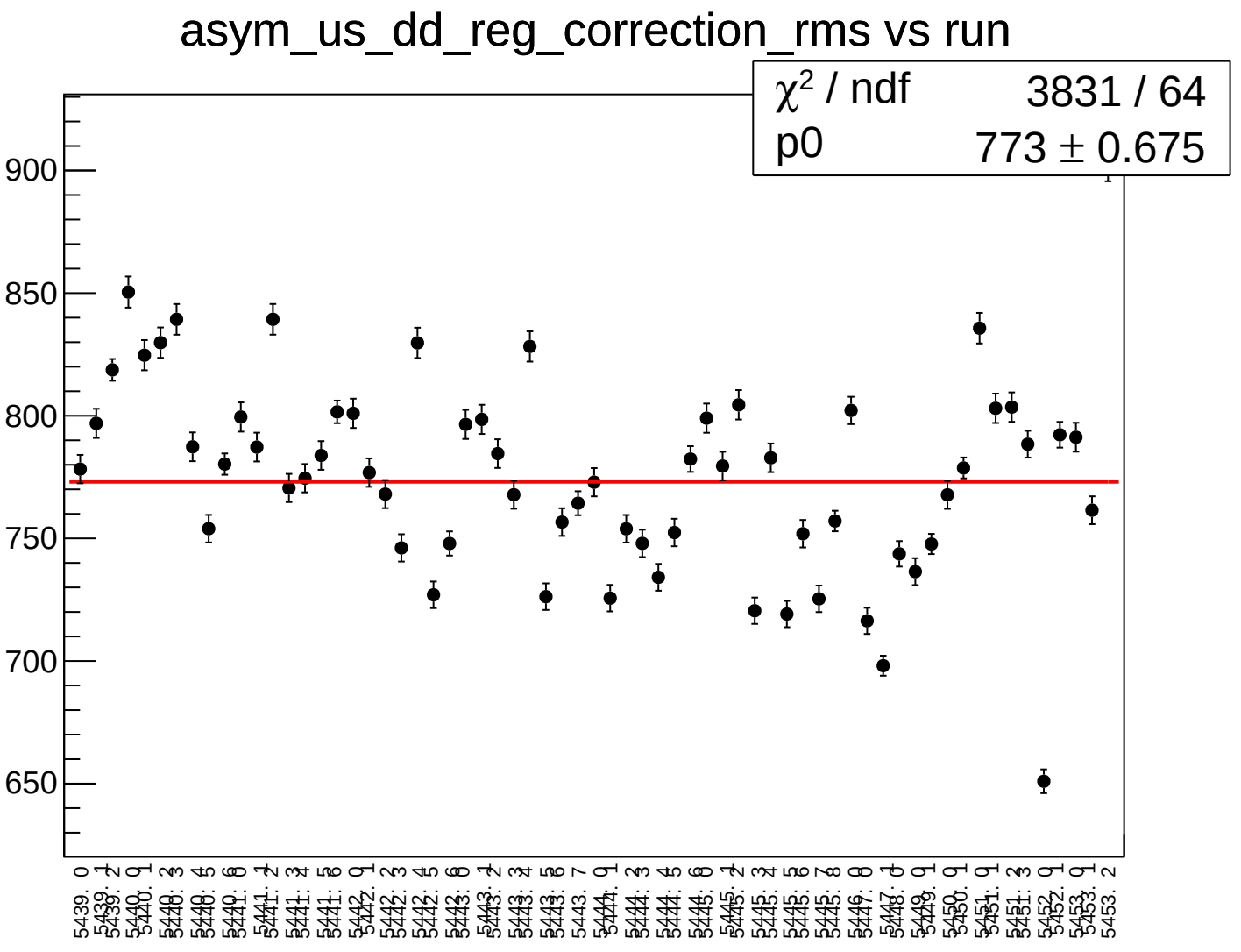

reg_asym_us_dd_mean vs run
χ² / ndf 63.91 / 64
p0 6.019 ± 902.1
pull
Entries 65
Mean −94.72
Std Dev 0

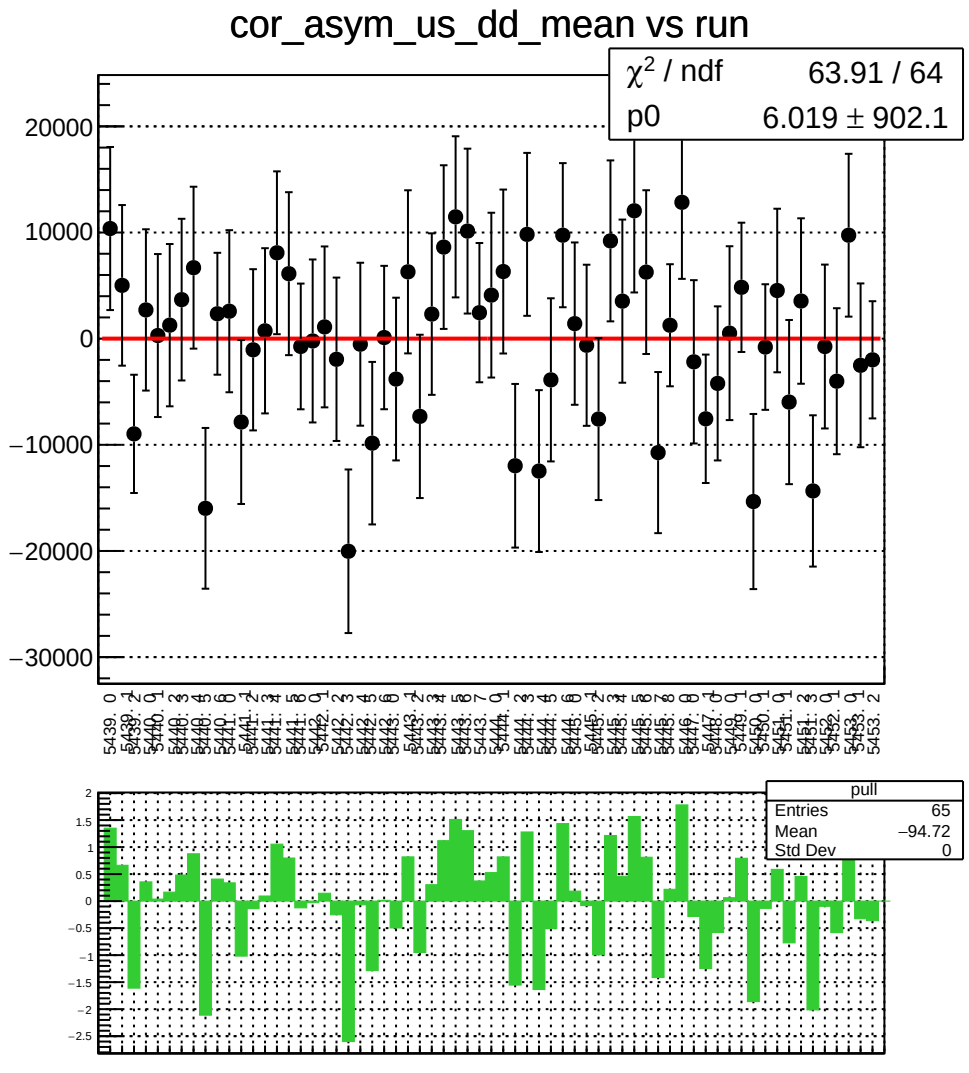

pull1D
Entries 65
Mean 0.008147
Std Dev 0.9915

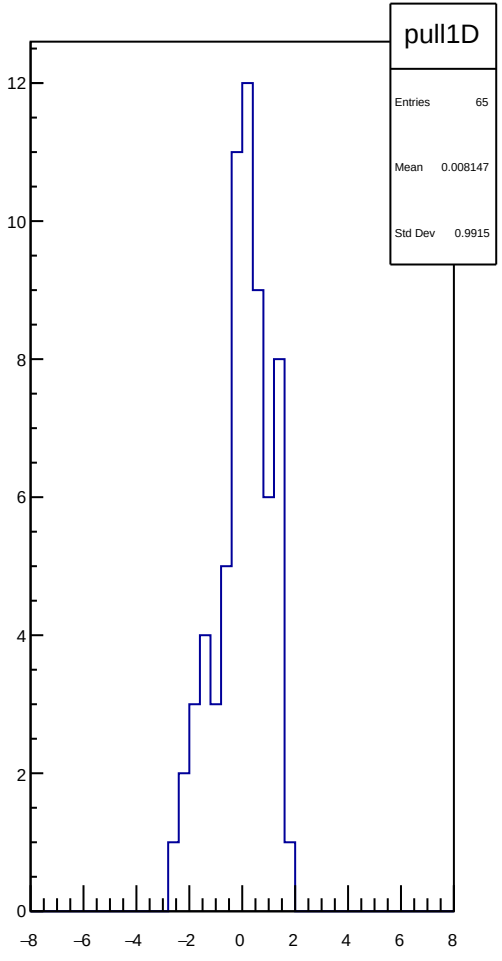

reg_asym_us_dd_rms vs run
χ² / ndf 428.9 / 64
p0 731.5 ± 0.6379
790
780
770
760
750
740
730
720
710

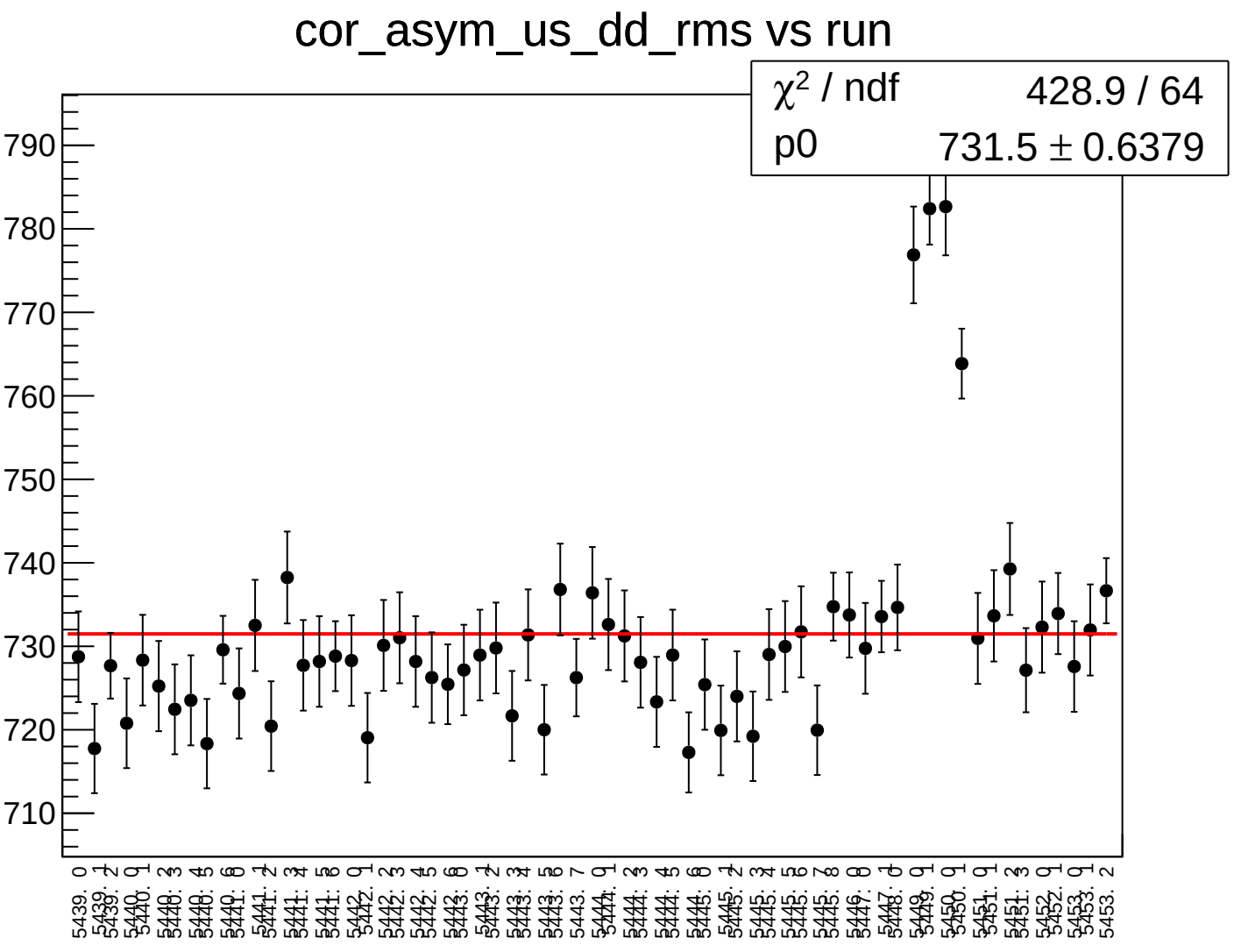

asym_us_dd_reg_correction_mean vs run
χ² / ndf 72.96 / 64
p0 −1861 ± 954.6
pull
Entries 65
Mean −46.46
Std Dev 0

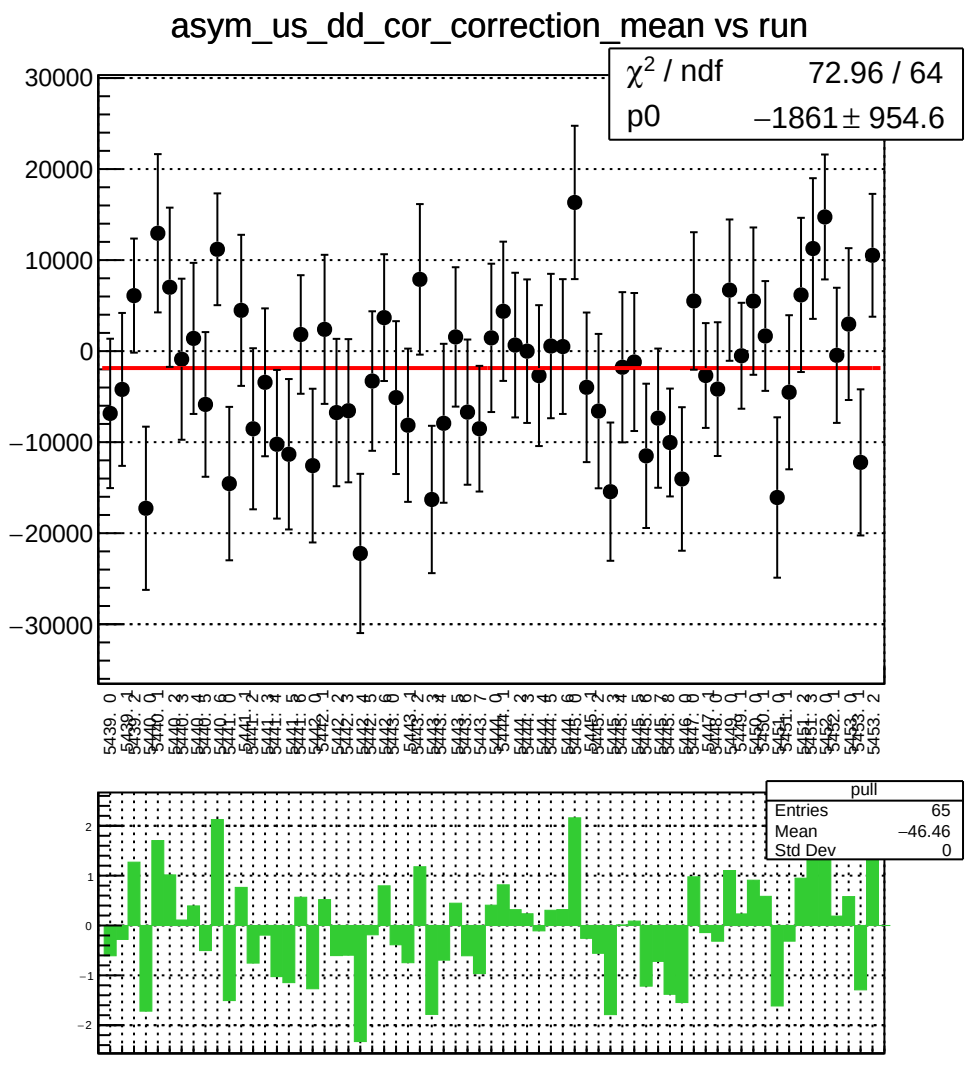

pull1D
Entries 65
Mean −0.03267
Std Dev 1.059

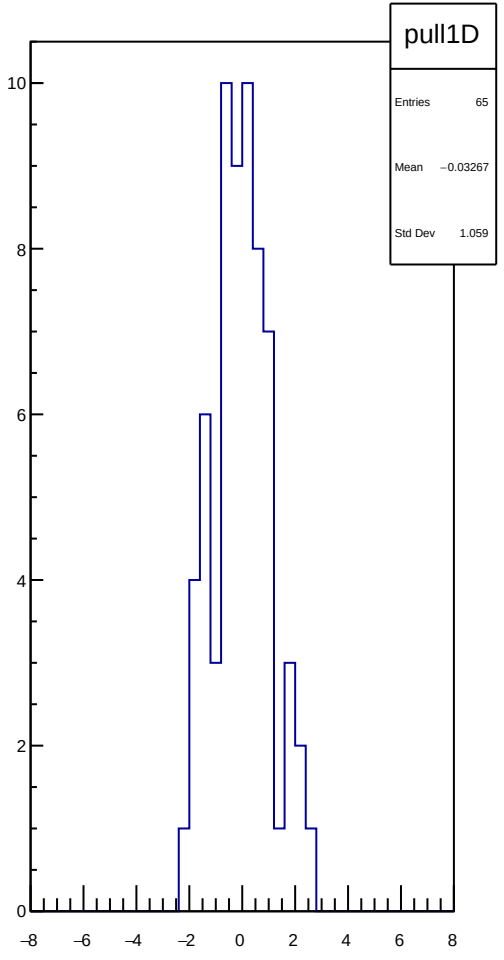

asym_us_dd_reg_correction_rms vs run
χ² / ndf 3831 / 64
p0 773 ± 0.675
900
850
800
750
700
650

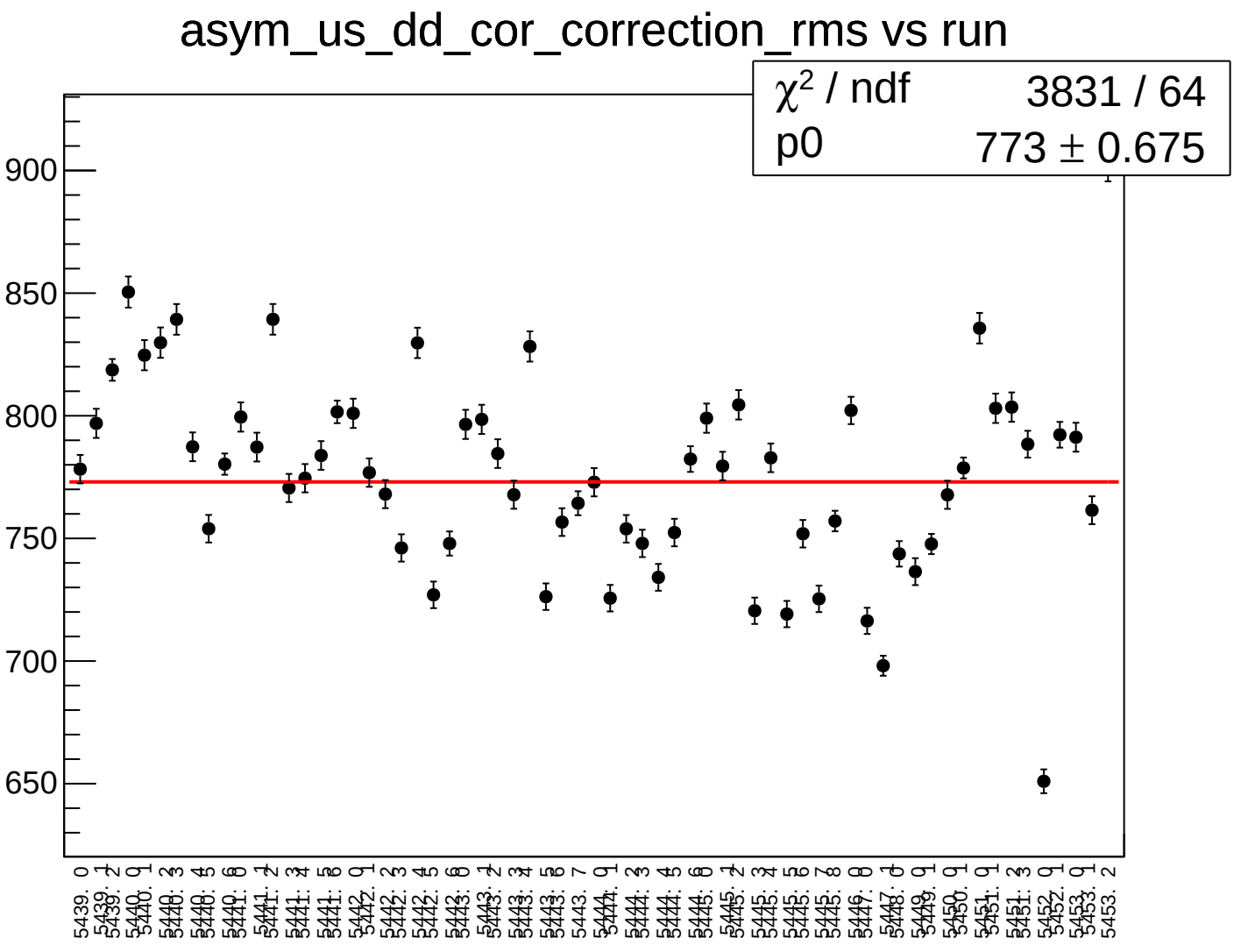

cor_asym_us_dd_mean vs run
χ² / ndf 63.91 / 64
p0 6.019 ± 902.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −94.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

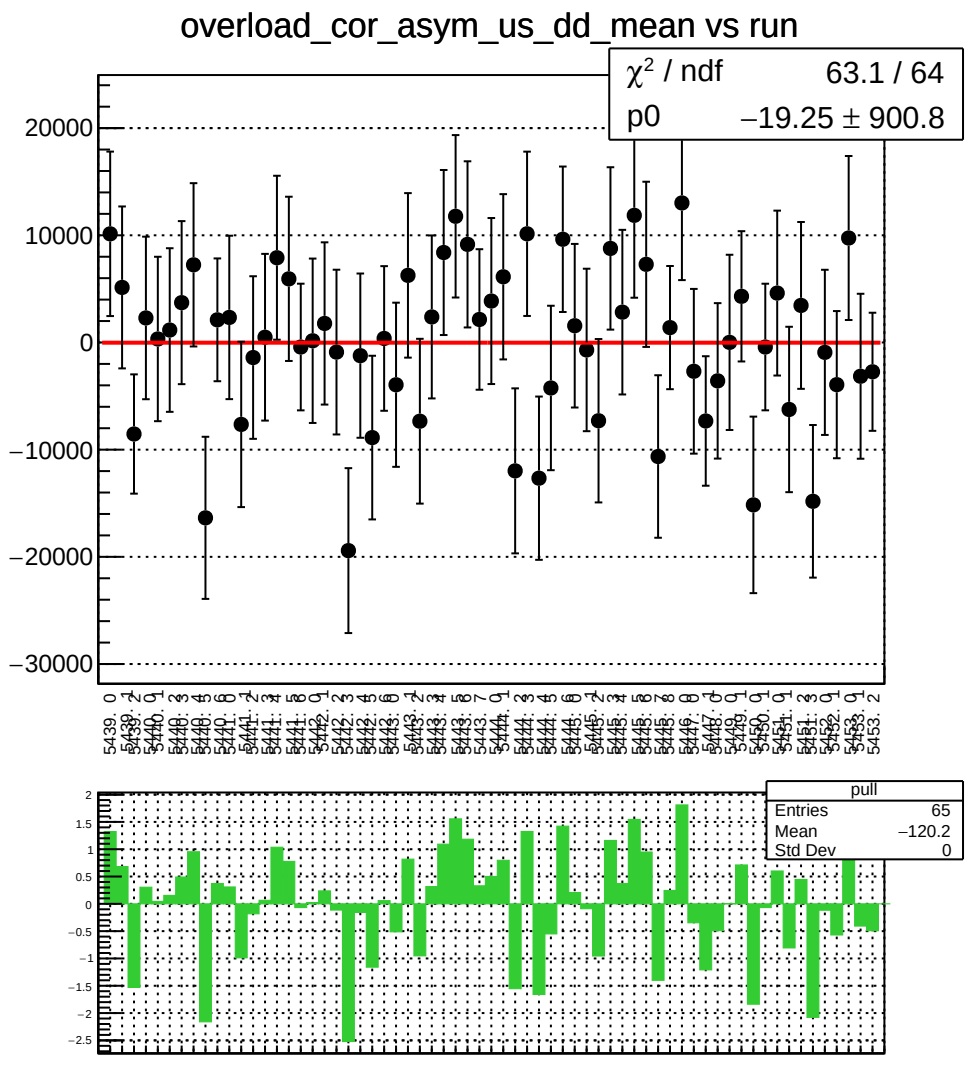

pull1D
Entries 65
Mean 0.008147
Std Dev 0.9915
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

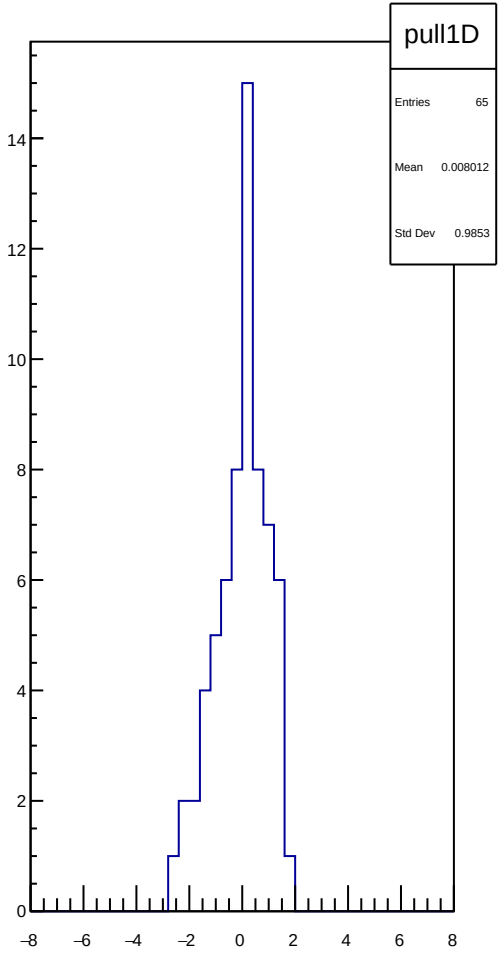

cor_asym_us_dd_rms vs run
χ² / ndf 428.9 / 64
p0 731.5 ± 0.6379
790
780
770
760
750
740
730
720
710

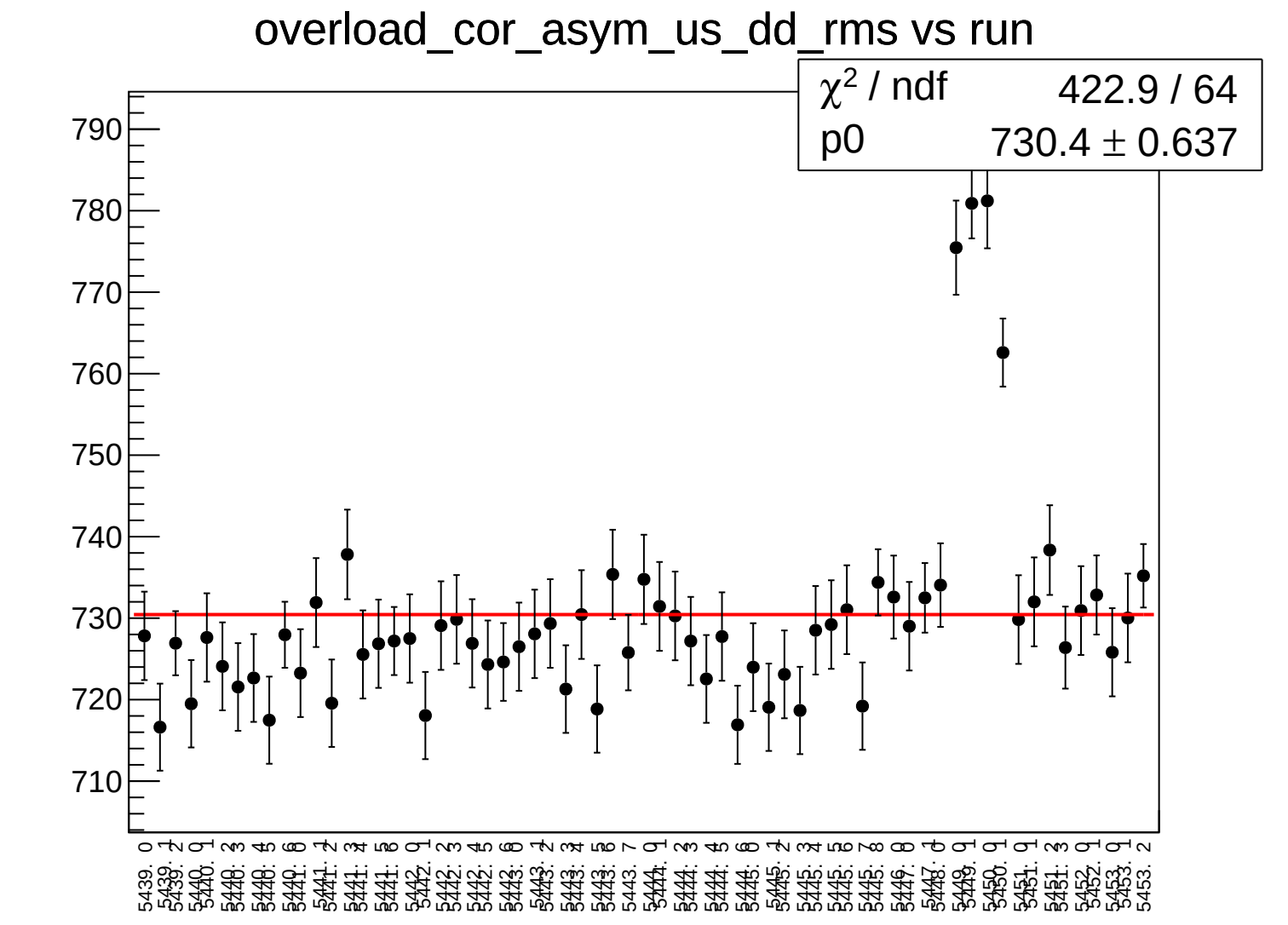

asym_us_dd_cor_correction_mean vs run
χ² / ndf 72.96 / 64
p0 −1861 ± 954.6
pull
Entries 65
Mean −46.46
Std Dev 0

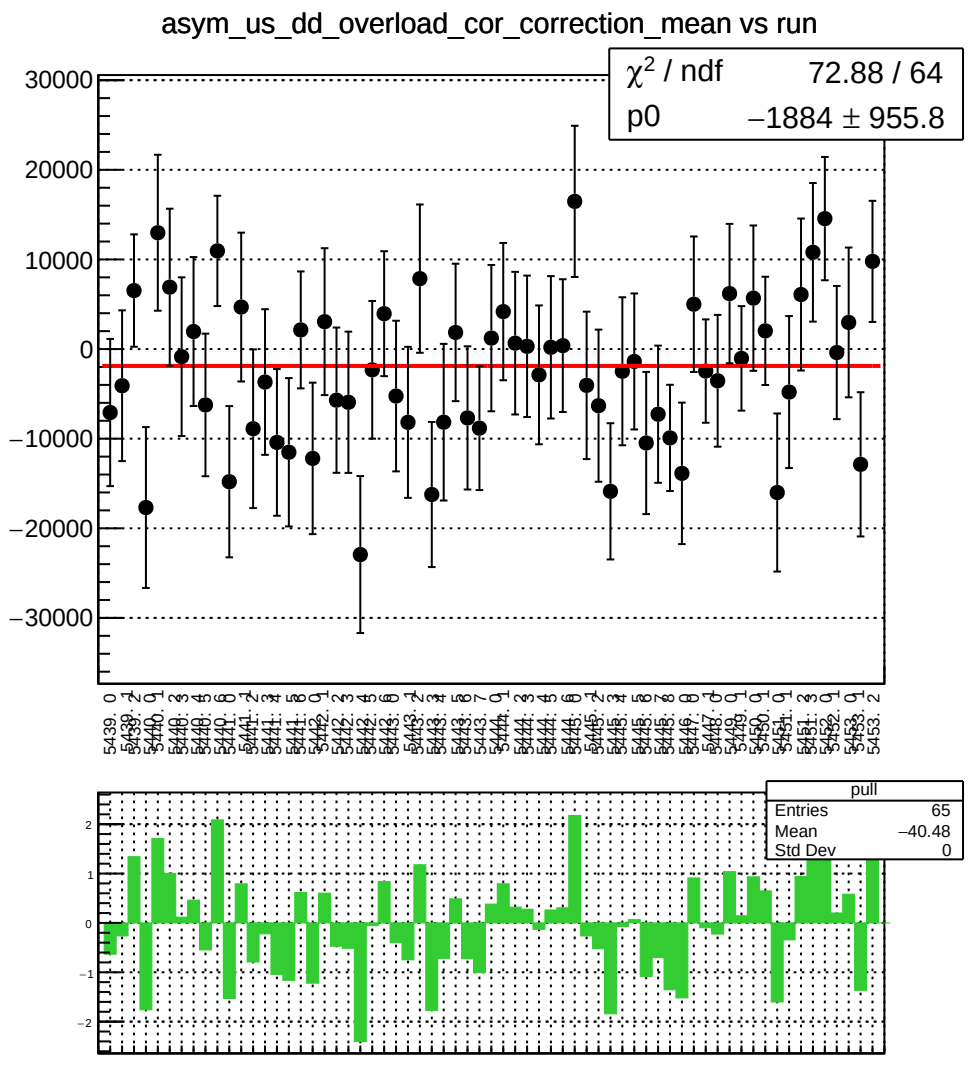

pull1D
Entries 65
Mean −0.03267
Std Dev 1.059

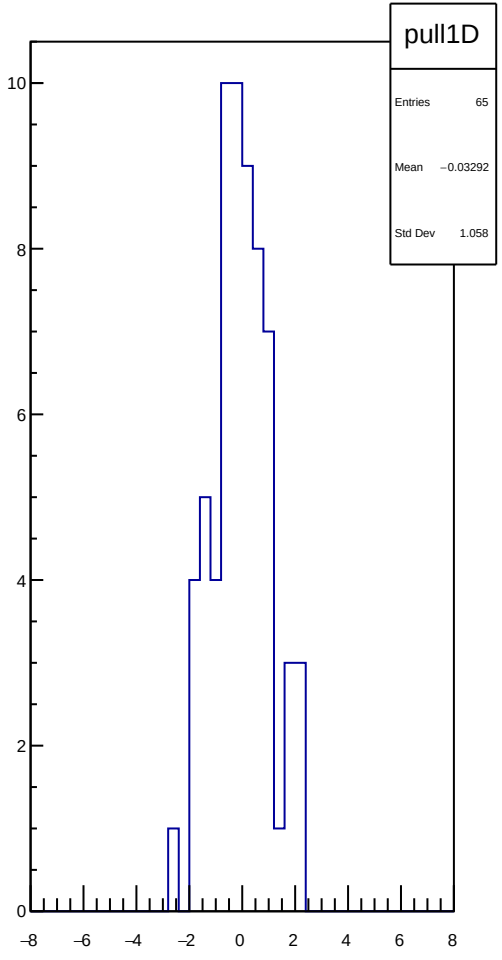

asym_us_dd_cor_correction_rms vs run
χ² / ndf 3831 / 64
p0 773 ± 0.675
900
850
800
750
700
650

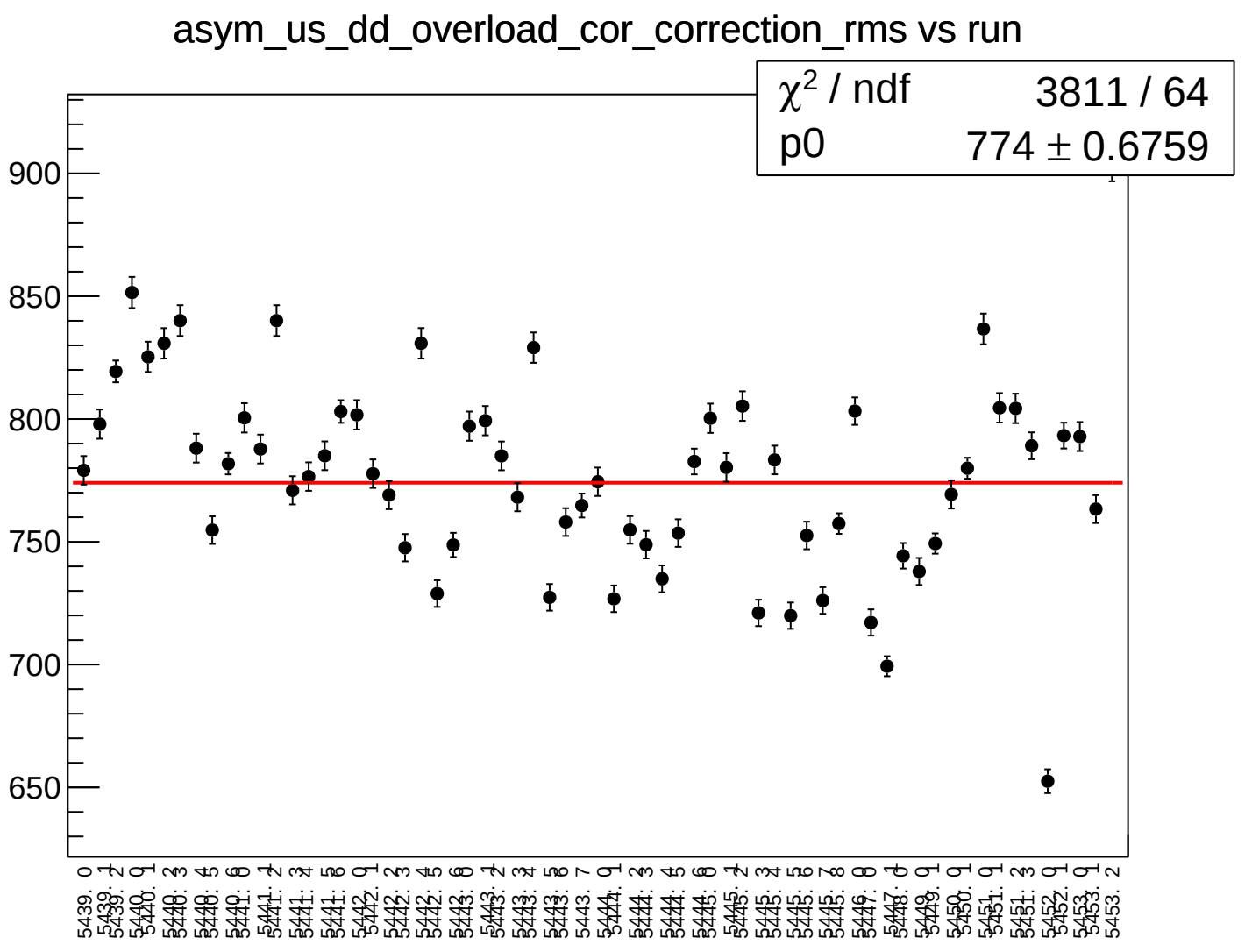

overload_cor_asym_us_dd_mean vs run
χ² / ndf 63.1 / 64
p0 −19.25 ± 900.8
pull
Entries 65
Mean −120.2
Std Dev 0

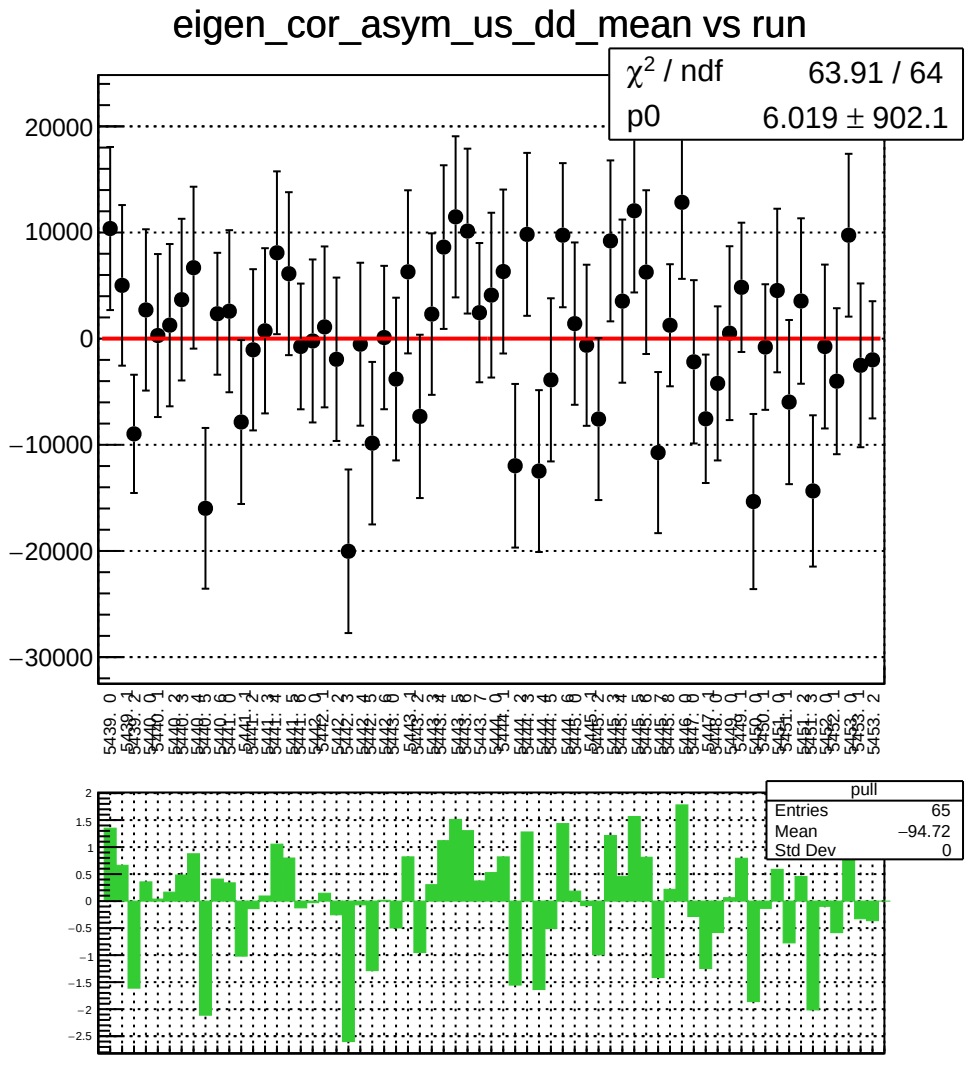

pull1D
Entries 65
Mean 0.008012
Std Dev 0.9853

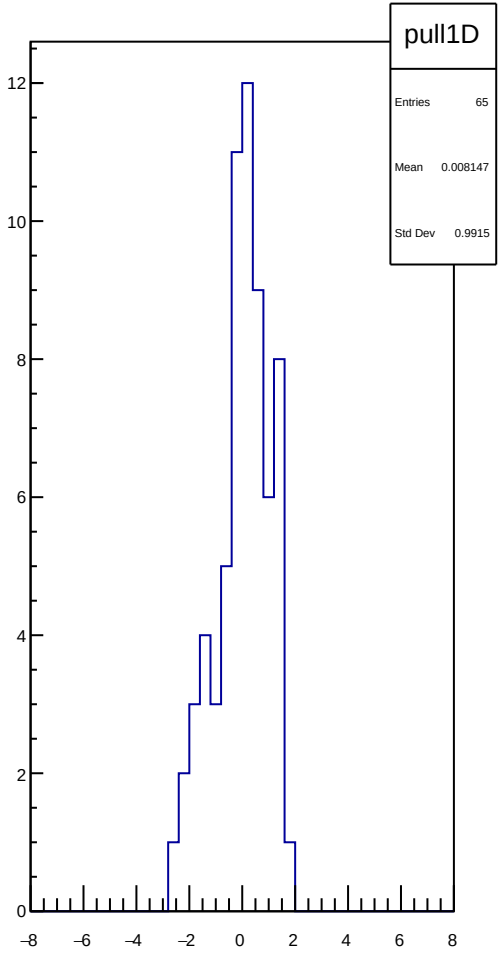

overload_cor_asym_us_dd_rms vs run
χ² / ndf 422.9 / 64
p0 730.4 ± 0.637
790
780
770
760
750
740
730
720
710

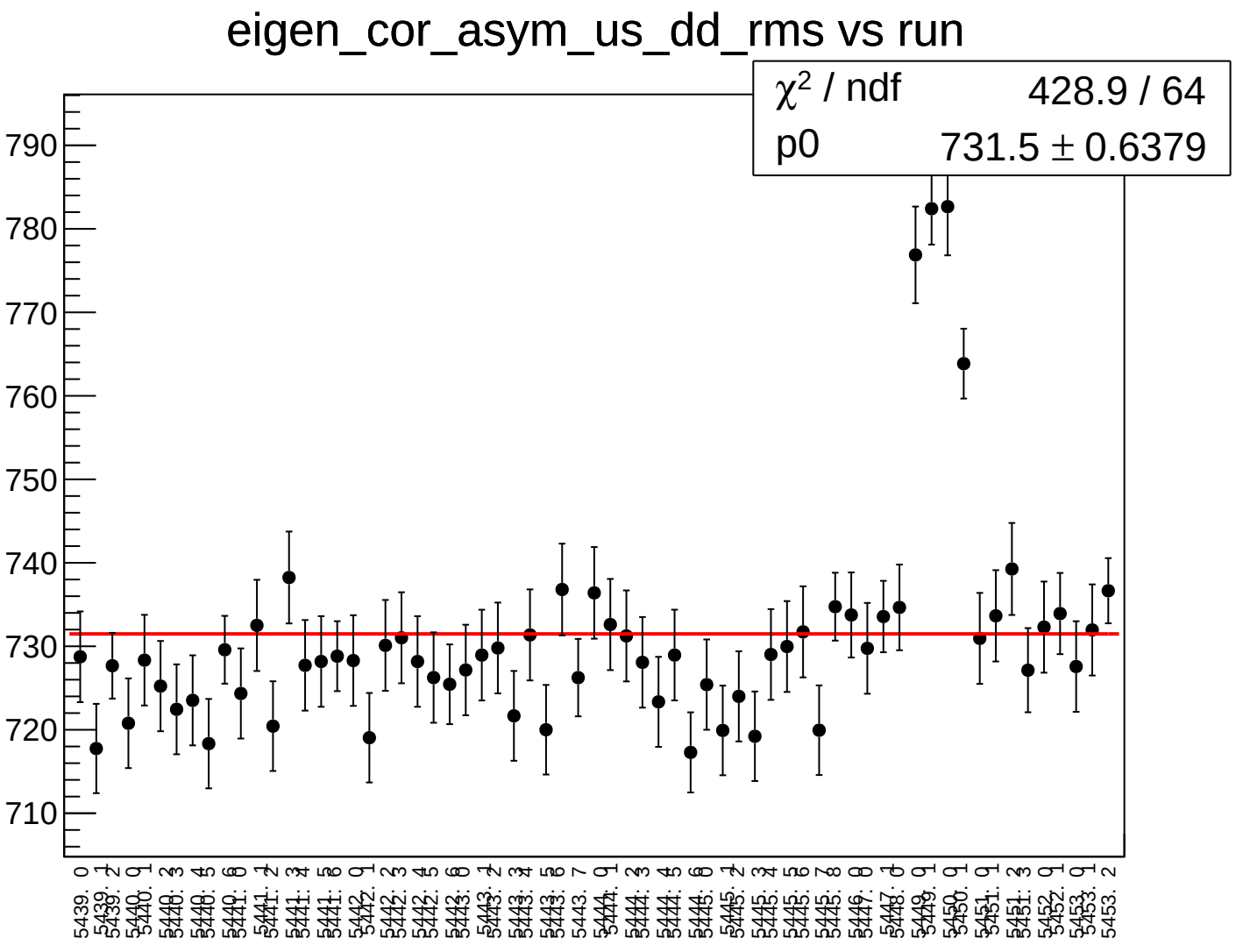

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 72.88 / 64
p0 −1884 ± 955.8
pull
Entries 65
Mean −40.48
Std Dev 0

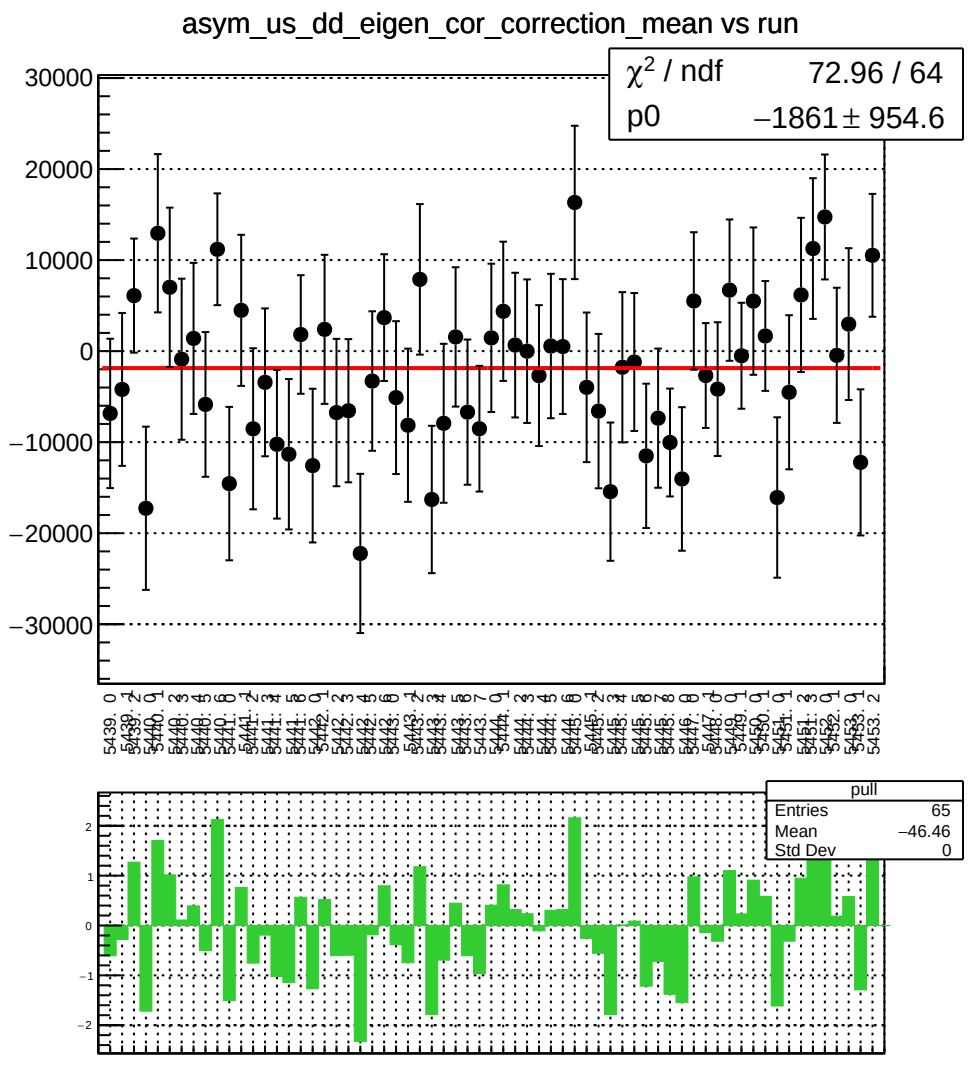

pull1D
Entries 65
Mean −0.03292
Std Dev 1.058

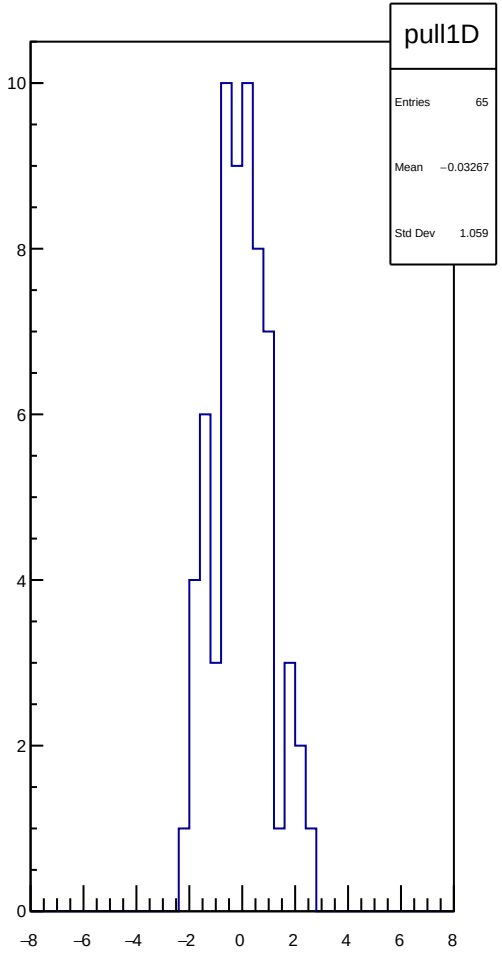

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 3811 / 64
p0 774 ± 0.6759
900
850
800
750
700
650

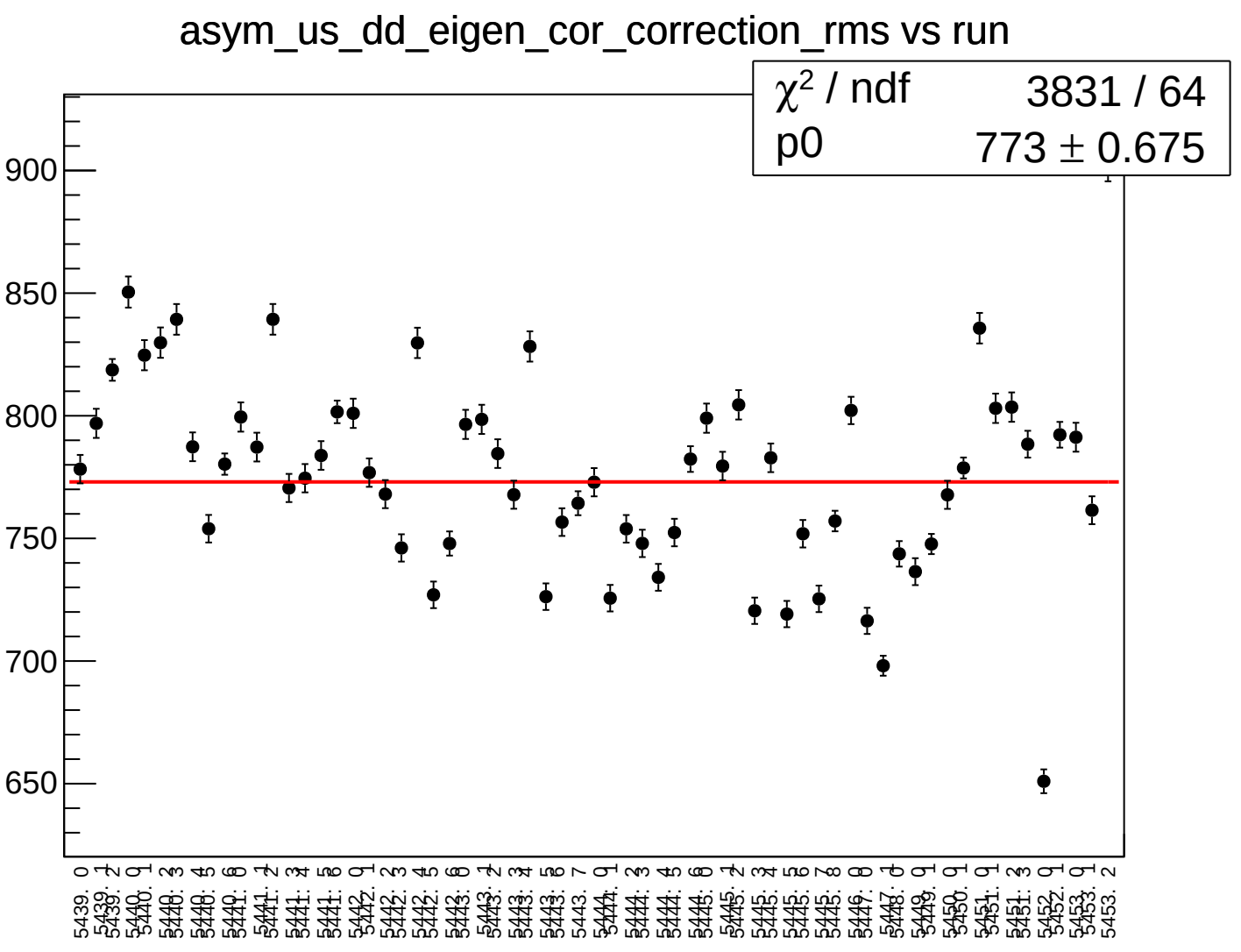

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 63.91 / 64
p0 6.019 ± 902.1
pull
Entries 65
Mean −94.72
Std Dev 0

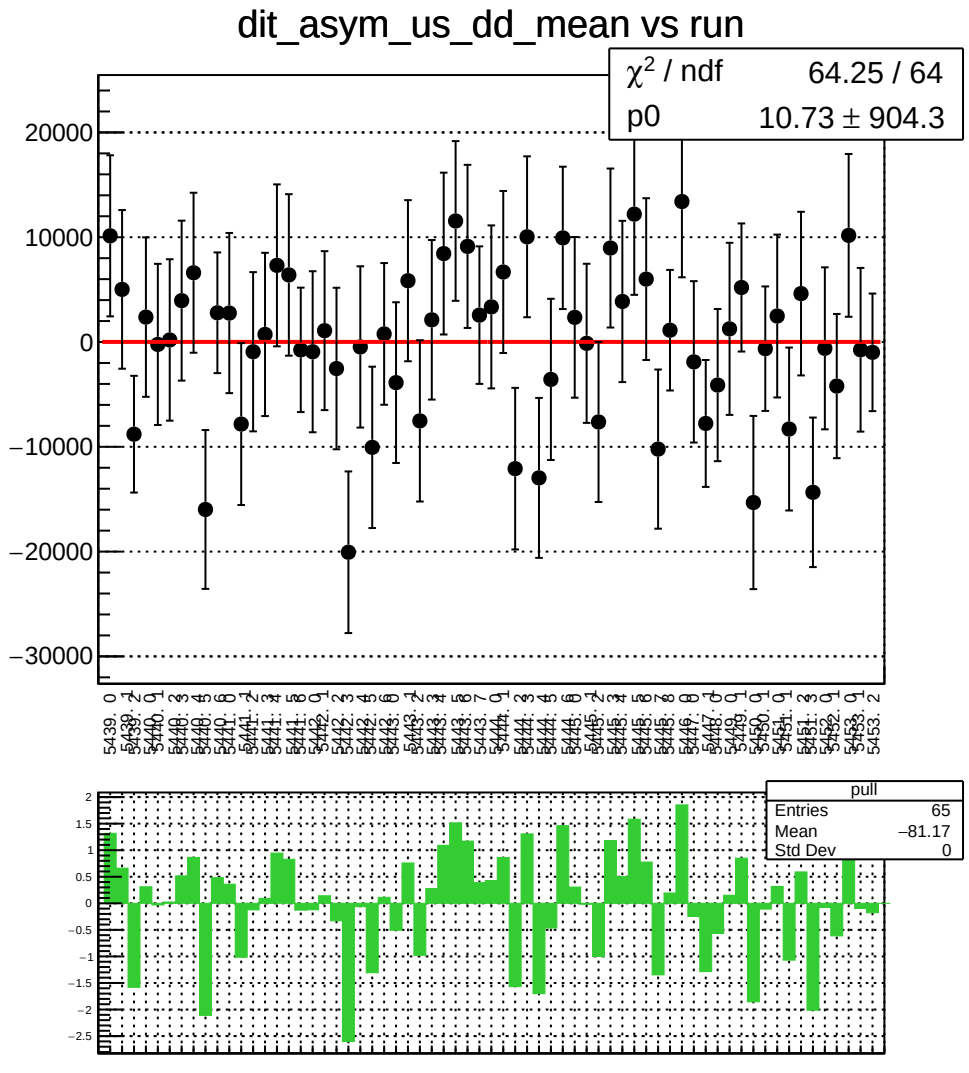

pull1D
Entries 65
Mean 0.008147
Std Dev 0.9915

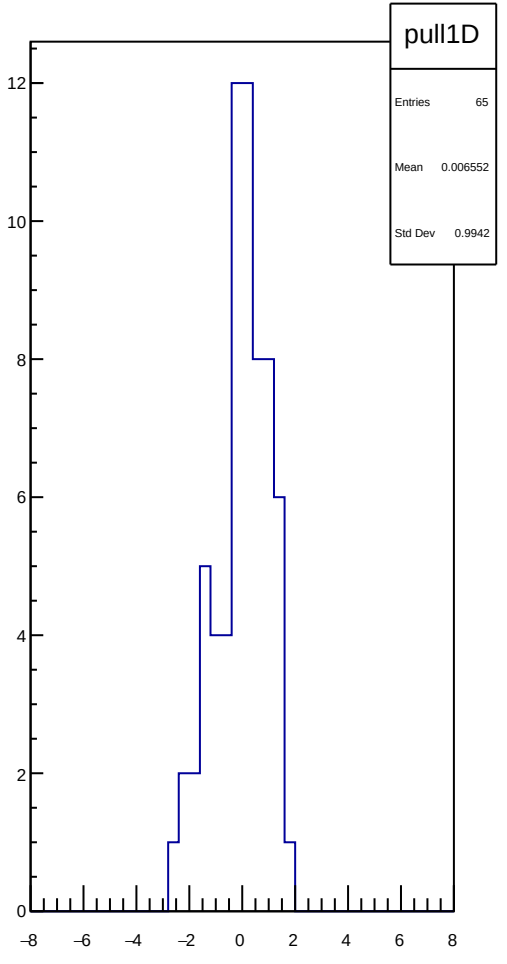

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 428.9 / 64
p0 731.5 ± 0.6379
790
780
770
760
750
740
730
720
710
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

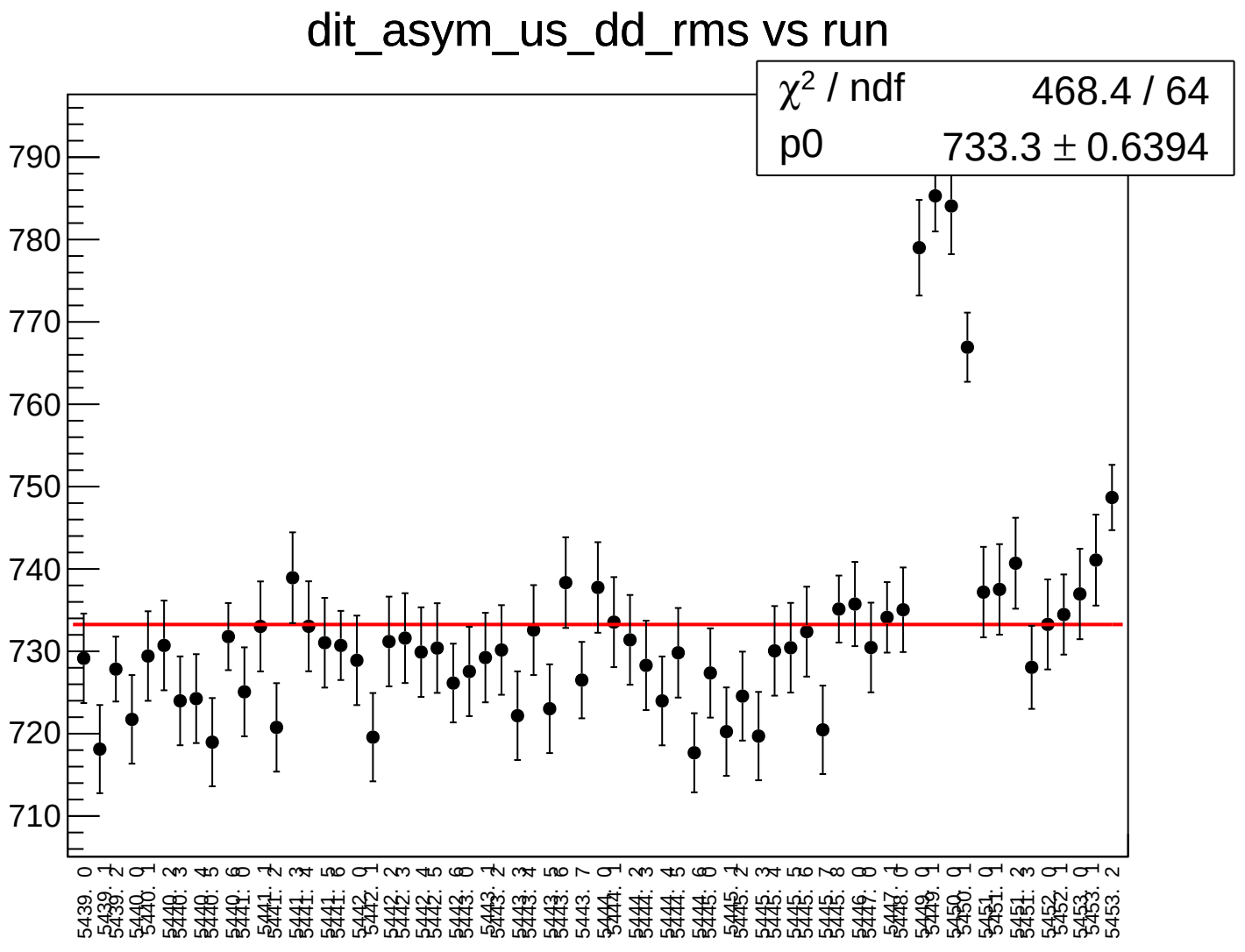

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 72.96 / 64
p0 −1861 ± 954.6
pull
Entries 65
Mean −46.46
Std Dev 0

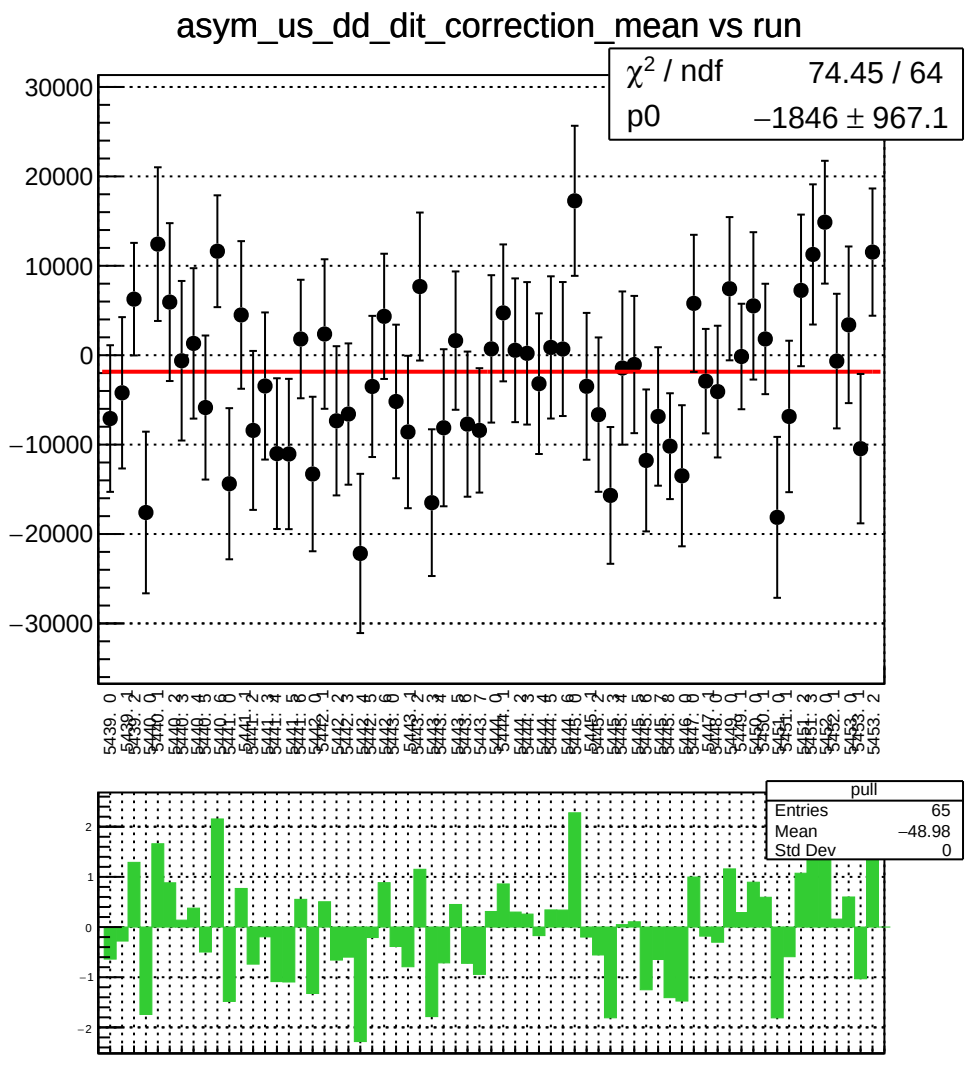

pull1D
Entries 65
Mean −0.03267
Std Dev 1.059

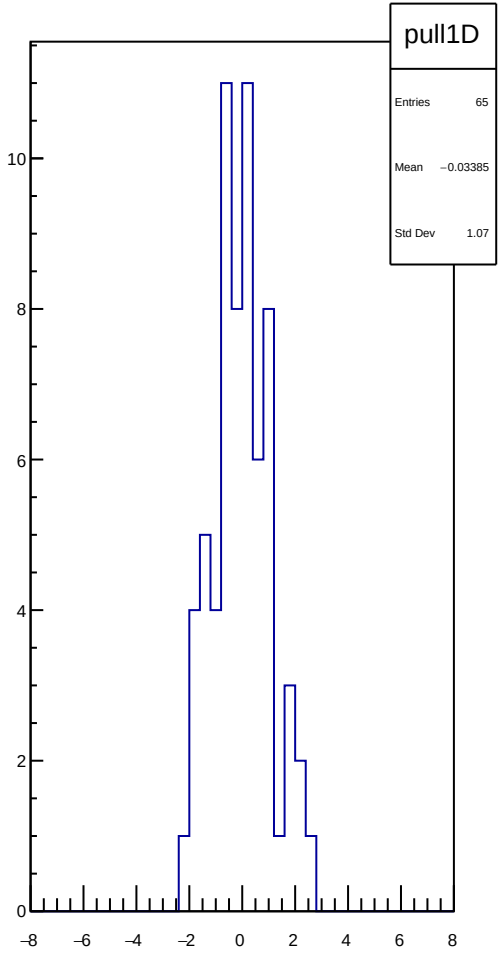

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 3831 / 64
p0 773 ± 0.675
900
850
800
750
700
650

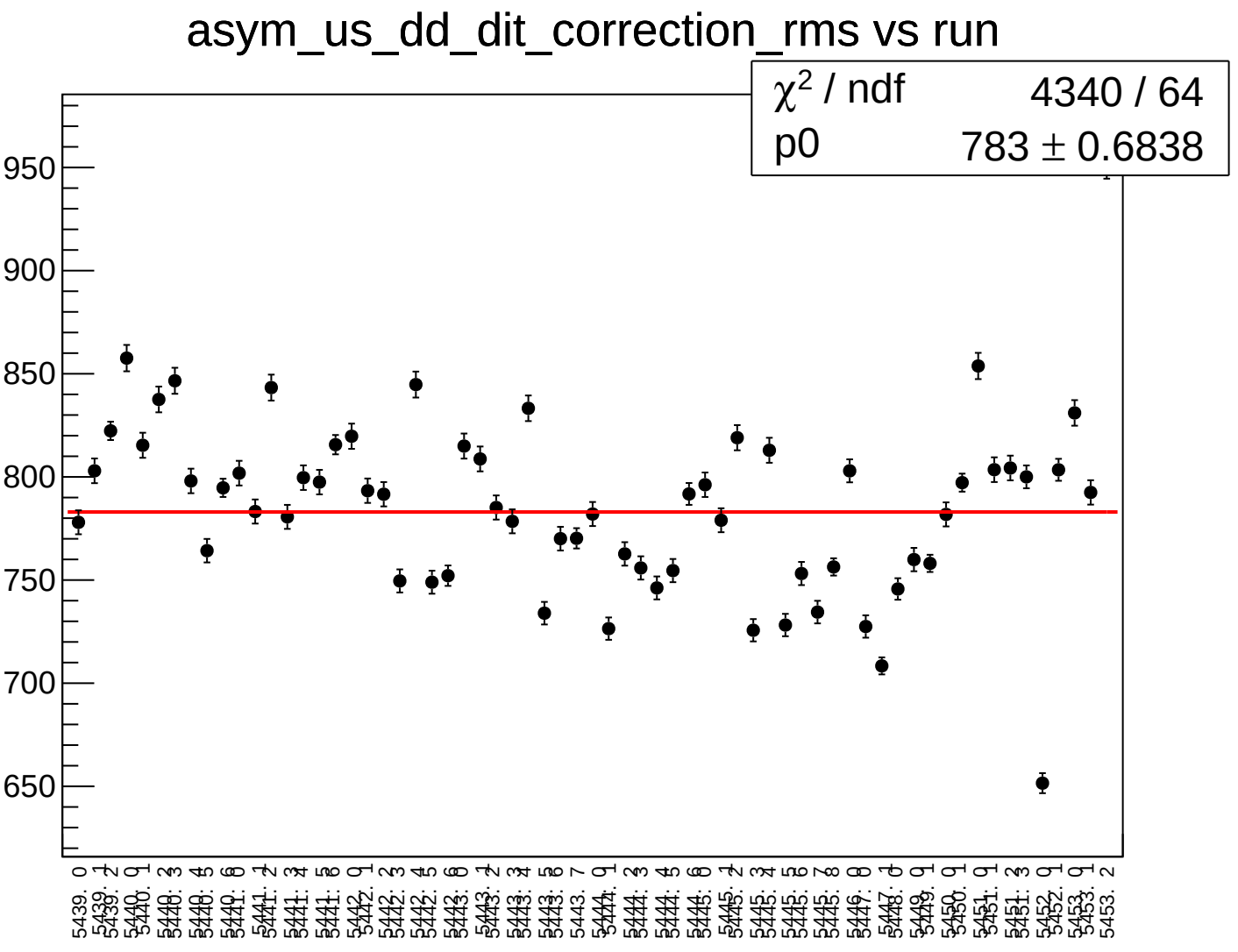

dit_asym_us_dd_mean vs run
χ² / ndf 64.25 / 64
p0 10.73 ± 904.3
pull
Entries 65
Mean −81.17
Std Dev 0

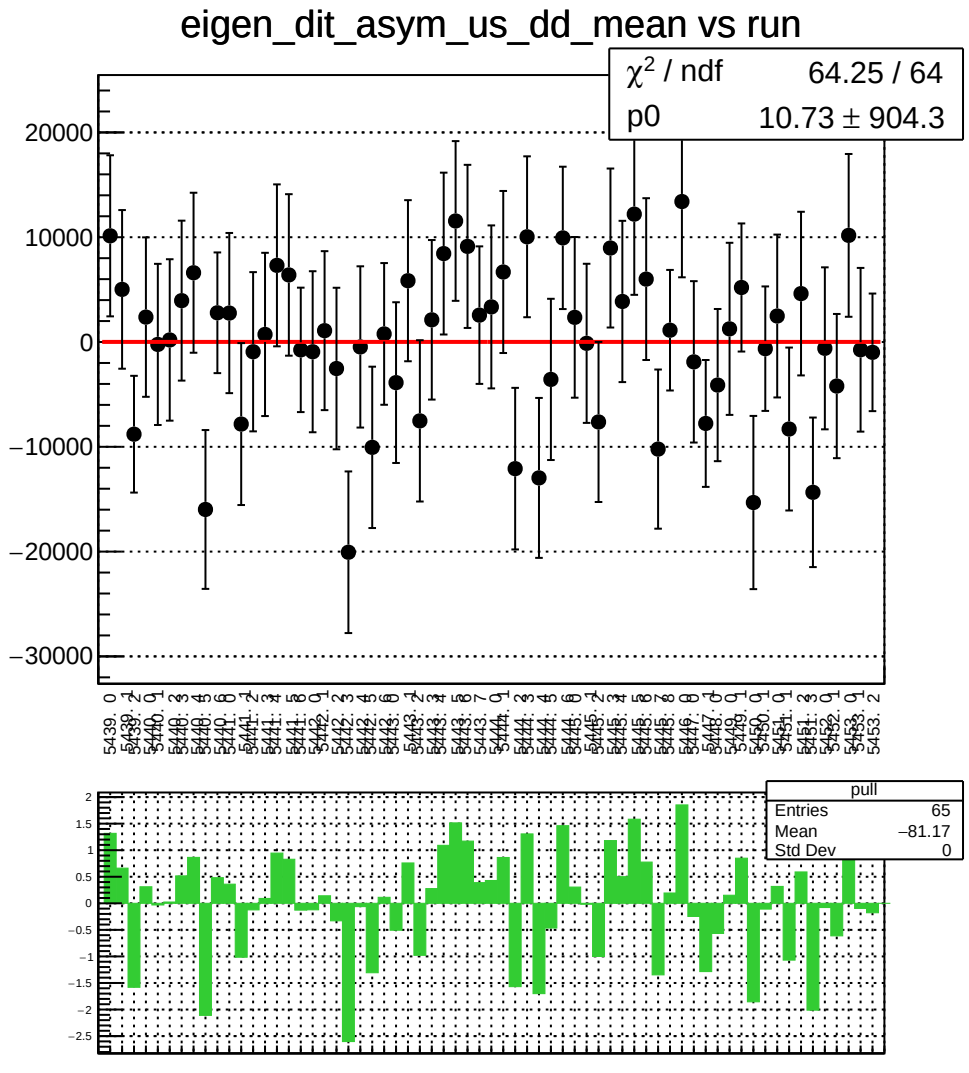

pull1D
Entries 65
Mean 0.006552
Std Dev 0.9942

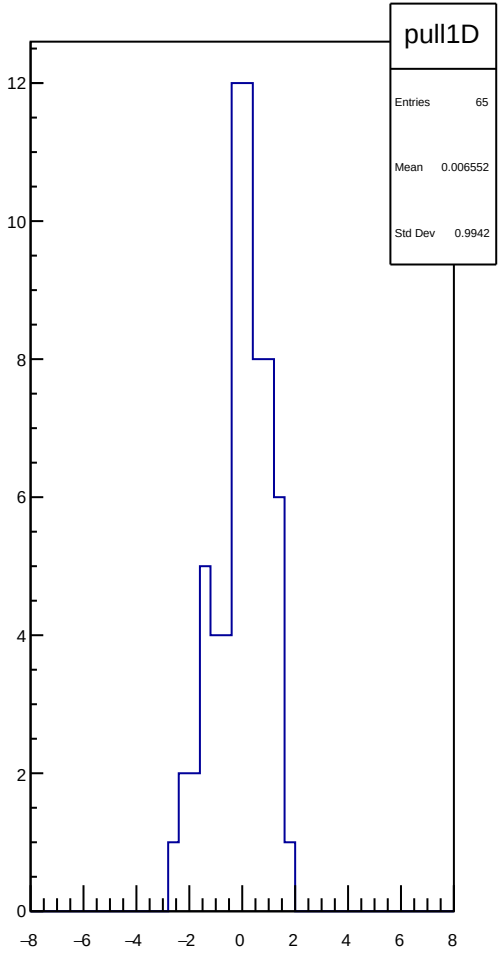

dit_asym_us_dd_rms vs run
χ² / ndf 468.4 / 64
p0 733.3 ± 0.6394
790
780
770
760
750
740
730
720
710

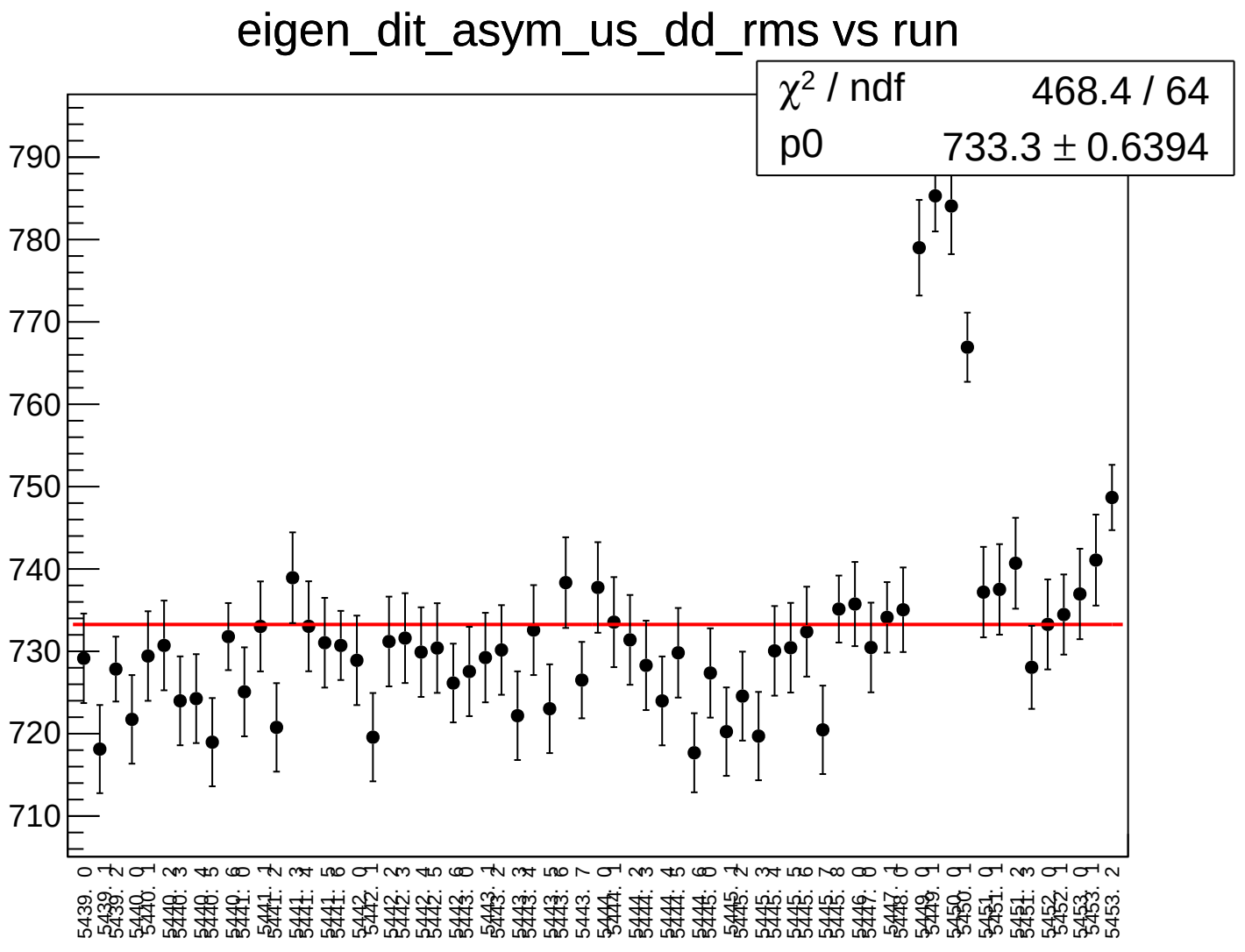

asym_us_dd_dit_correction_mean vs run
χ² / ndf 74.45 / 64
p0 −1846 ± 967.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −48.98
Std Dev 0
2
1
0
−1
−2

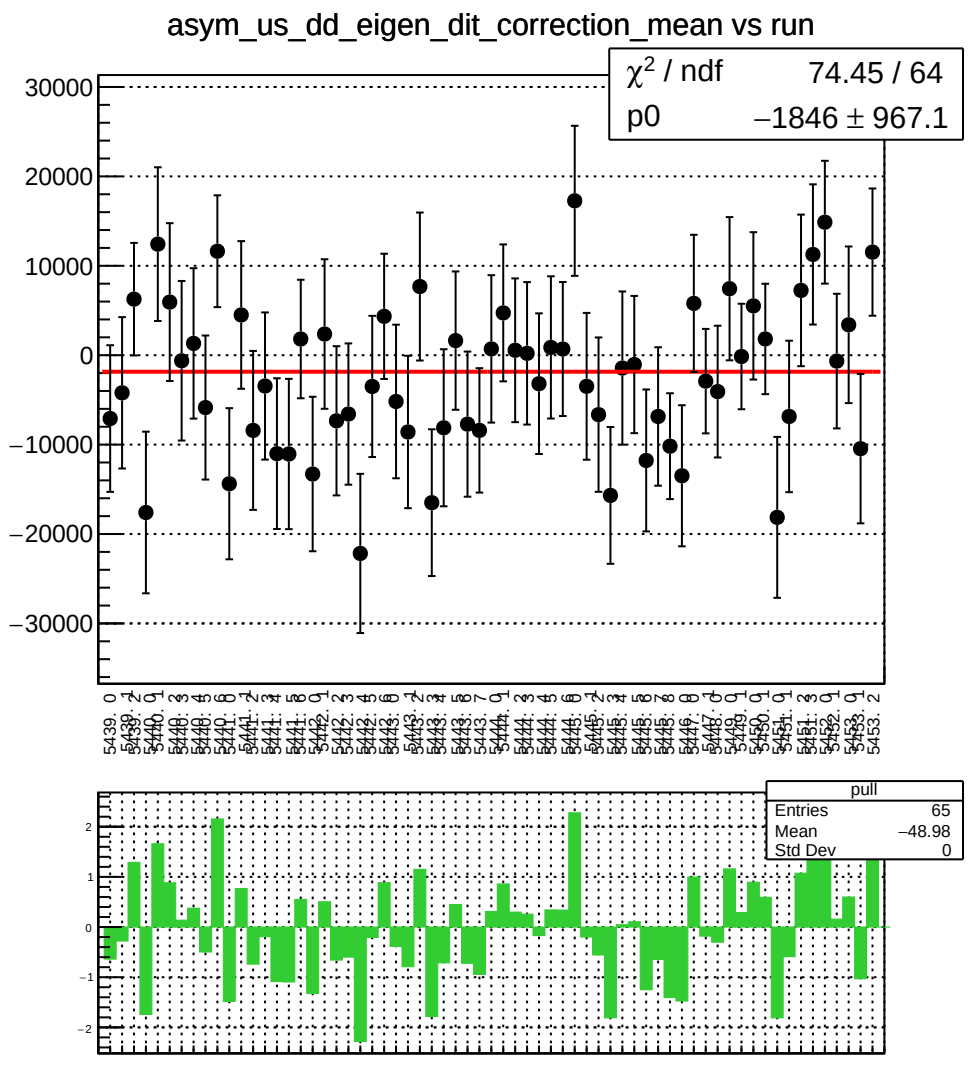

pull1D
Entries 65
Mean −0.03385
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

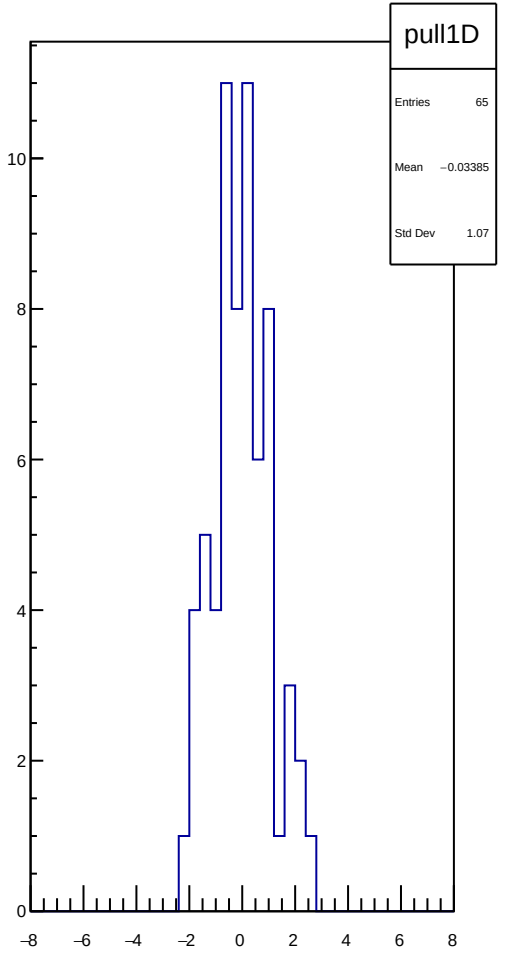

asym_us_dd_dit_correction_rms vs run
χ² / ndf 4340 / 64
p0 783 ± 0.6838
950
900
850
800
750
700
650

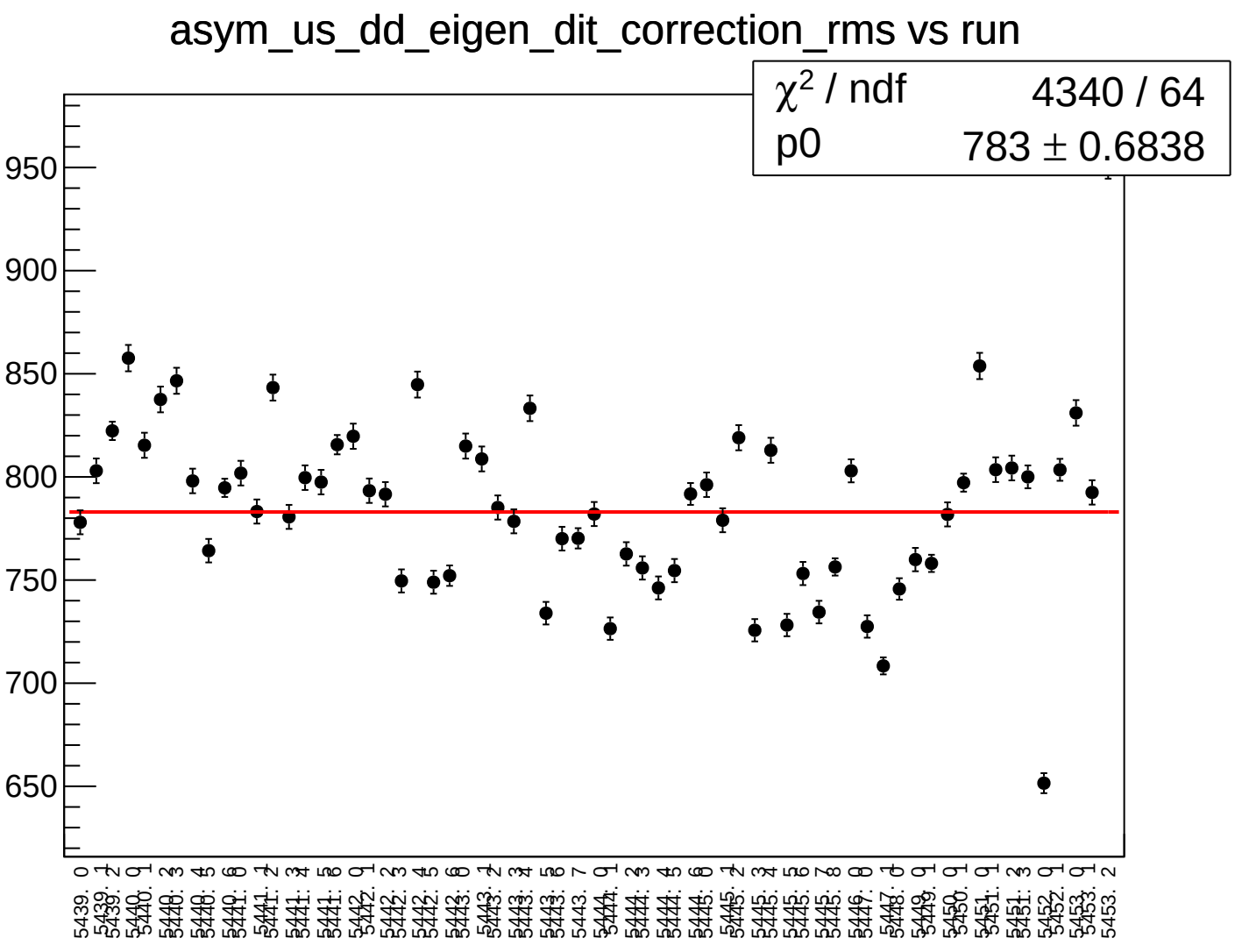

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 64.25 / 64
p0 10.73 ± 904.3
pull
Entries 65
Mean −81.17
Std Dev 0

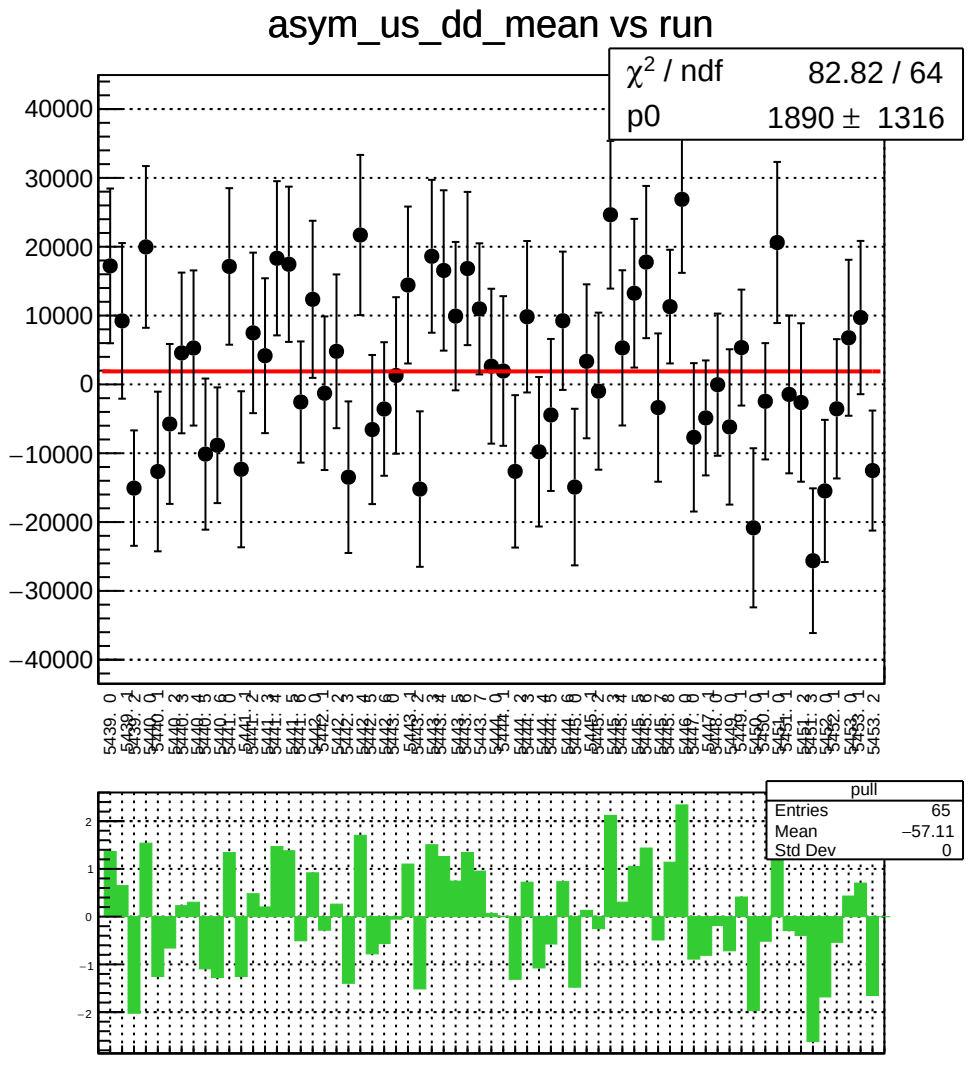

pull1D
Entries 65
Mean 0.006552
Std Dev 0.9942

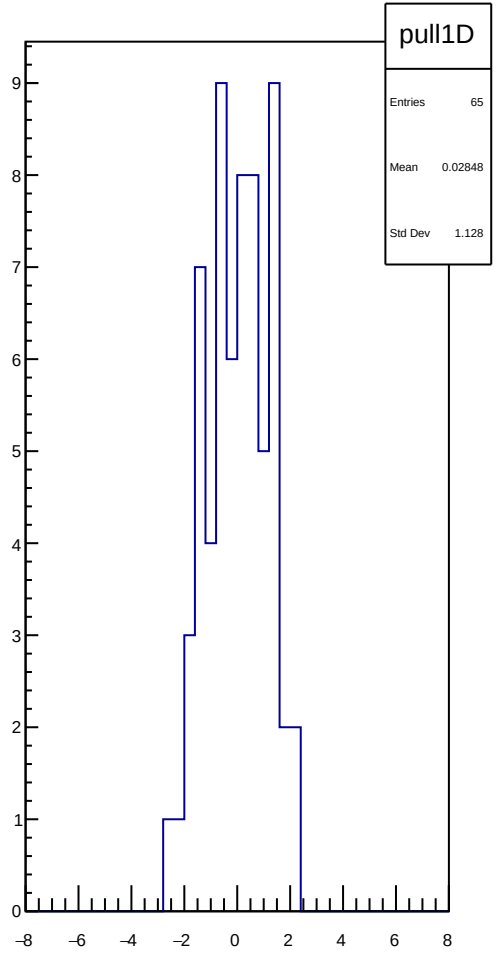

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 468.4 / 64
p0 733.3 ± 0.6394
790
780
770
760
750
740
730
720
710

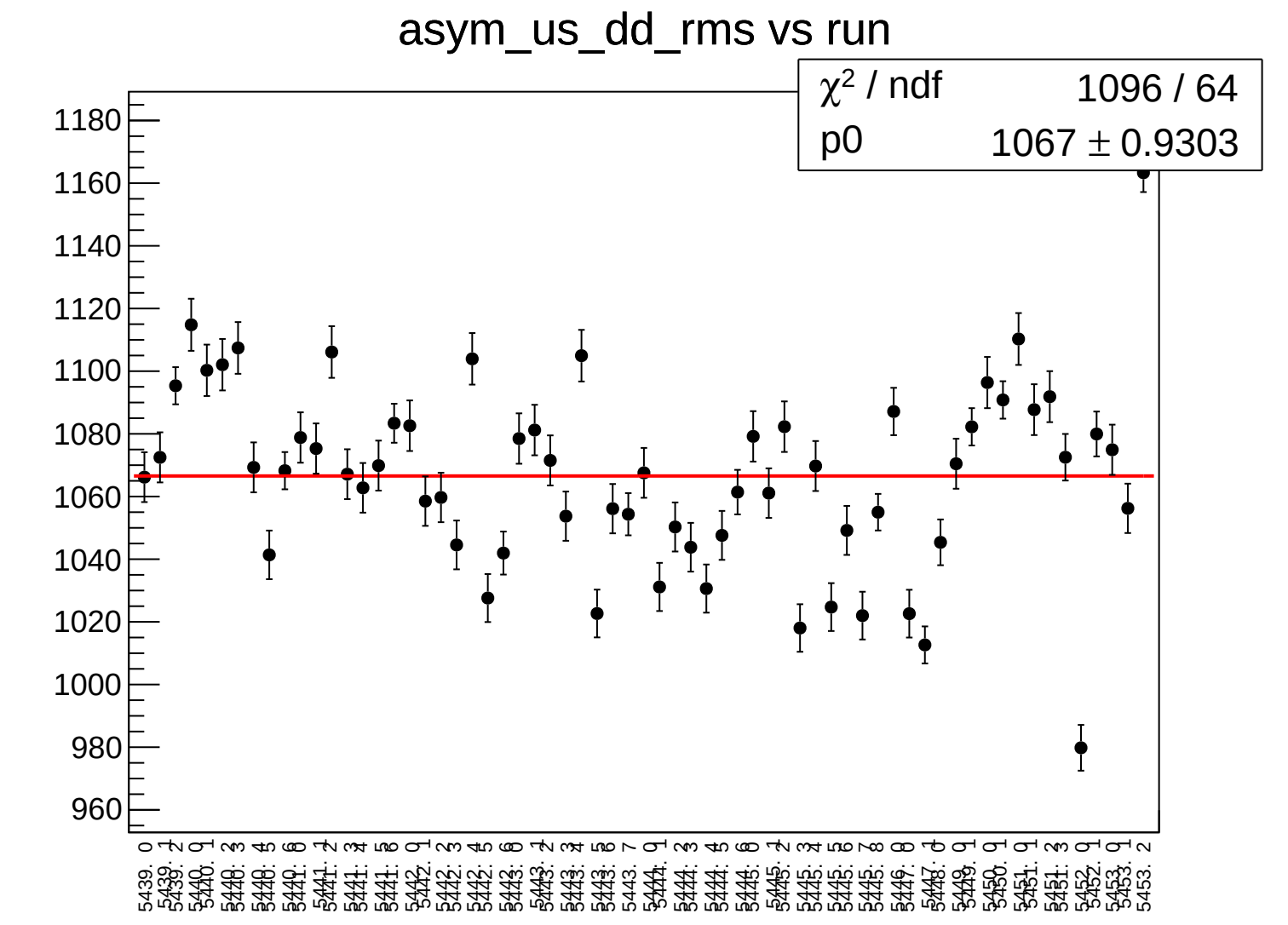

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.45 / 64
p0 −1846 ± 967.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −48.98
Std Dev 0
2
1
0
−1
−2

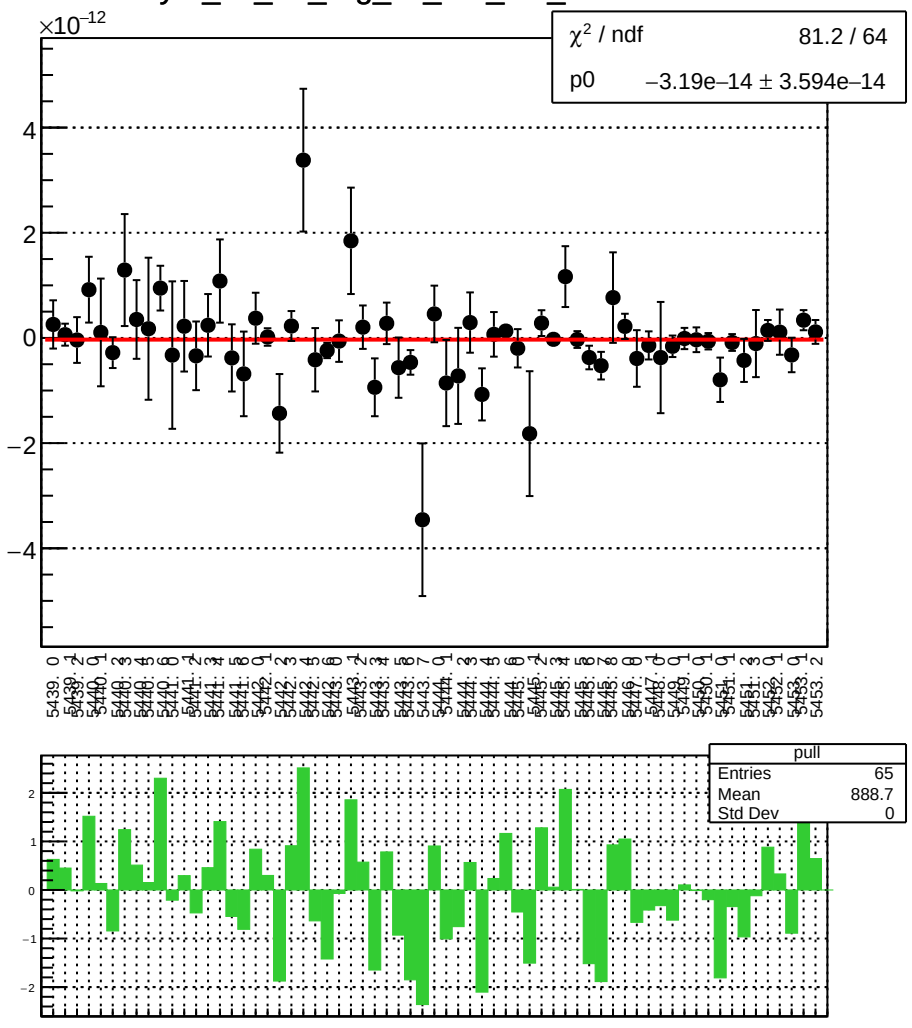

pull1D
Entries 65
Mean −0.03385
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

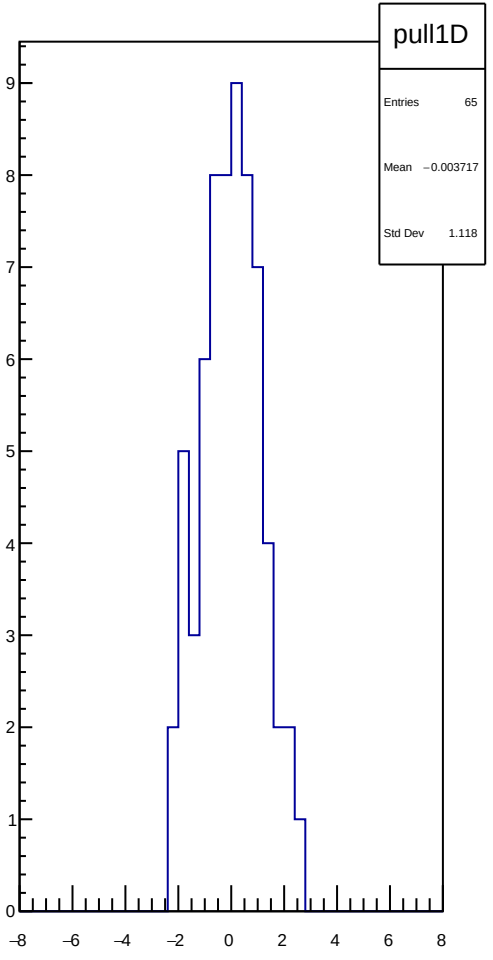

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 4340 / 64
p0 783 ± 0.6838
950
900
850
800
750
700
650

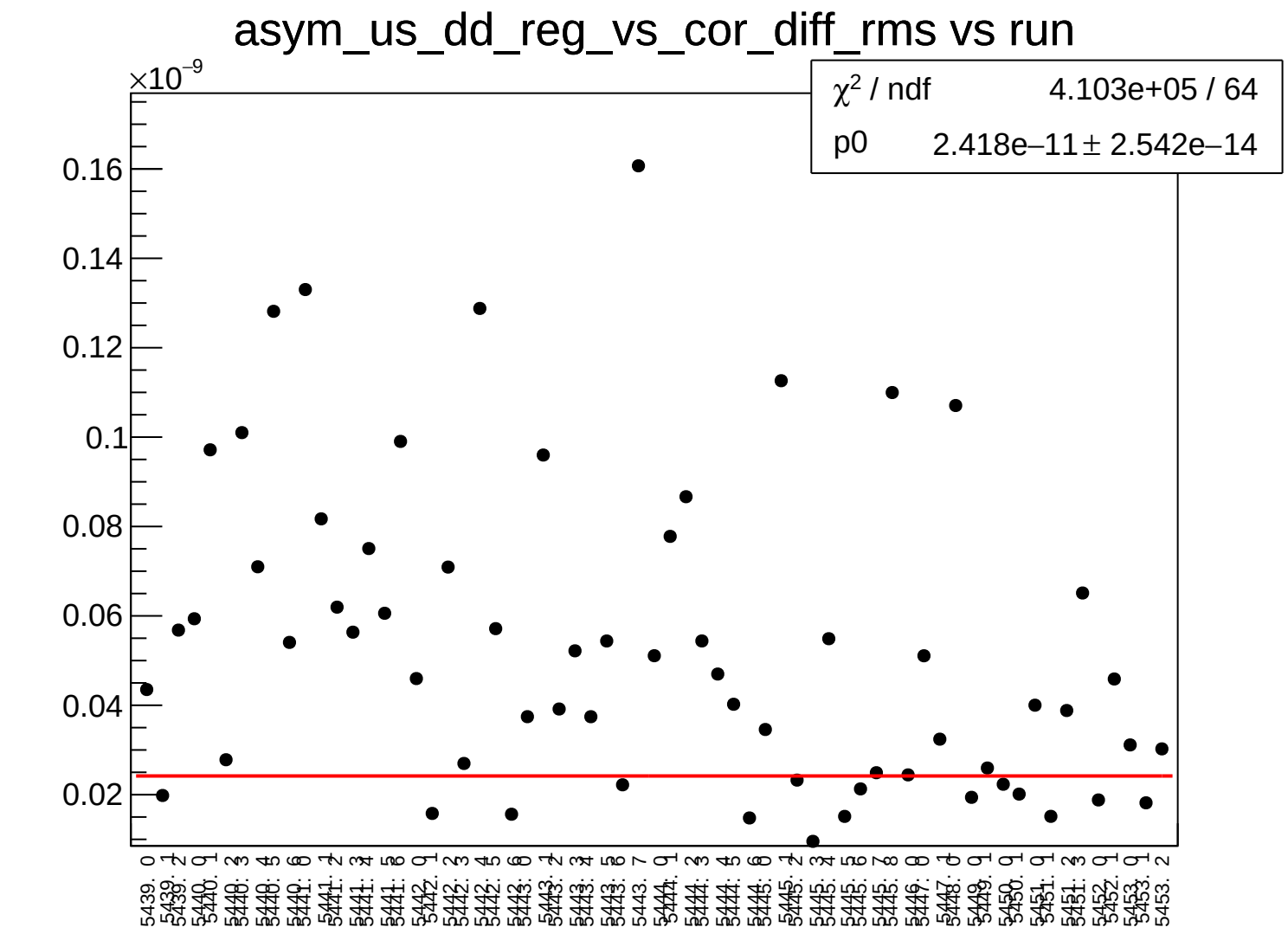

asym_us_dd_mean vs run
χ² / ndf 82.82 / 64
p0 1890 ± 1316
pull
Entries 65
Mean −57.11
Std Dev 0

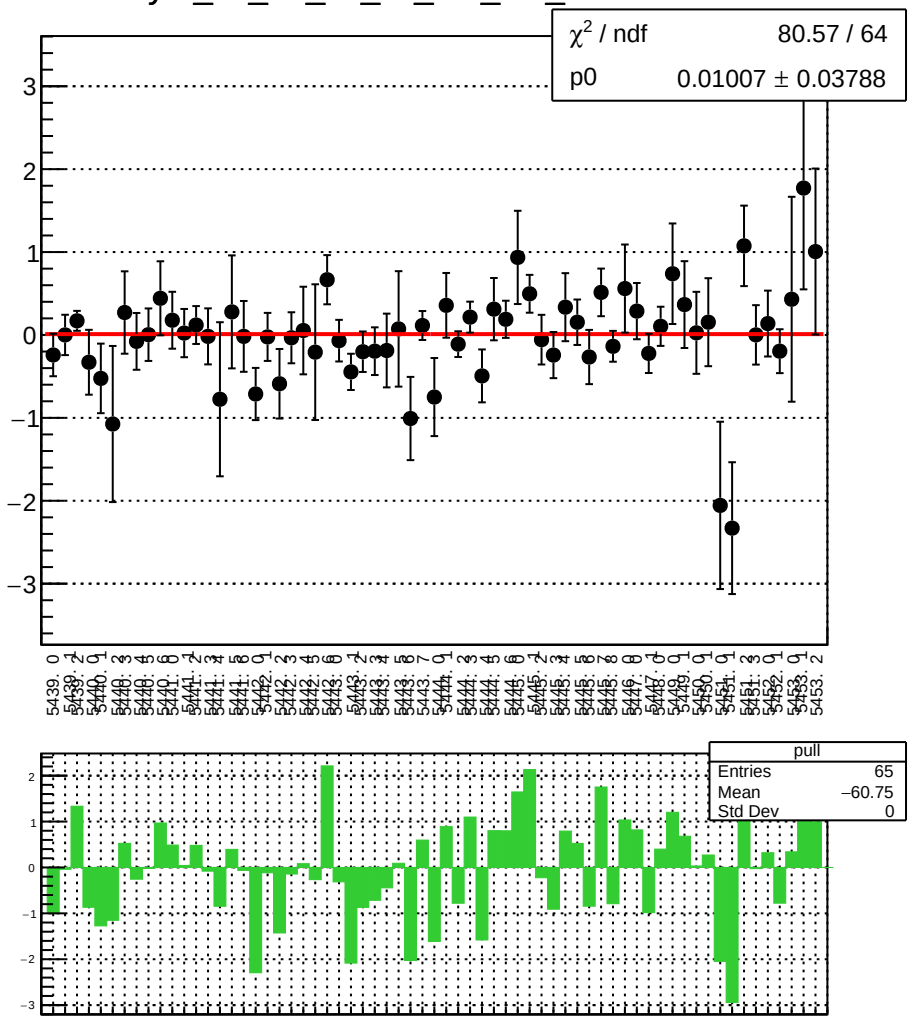

pull1D
Entries 65
Mean 0.02848
Std Dev 1.128

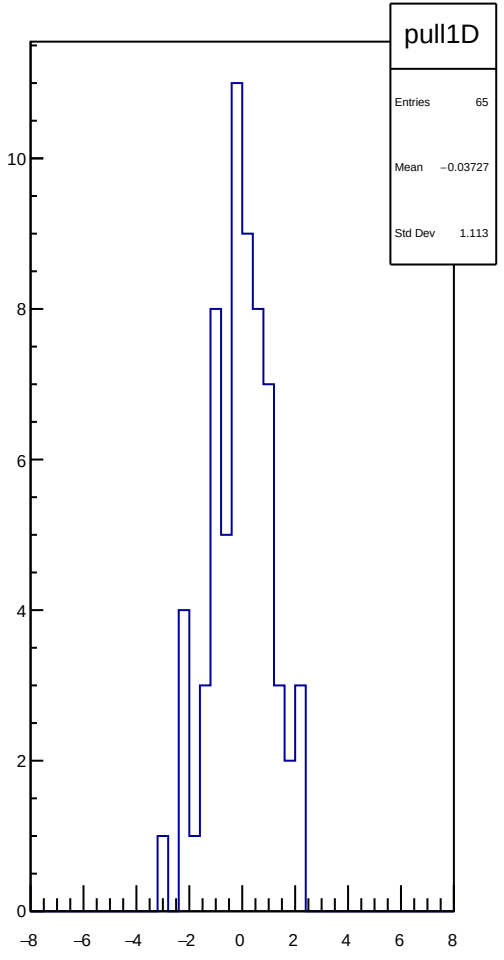

asym_us_dd_rms vs run
χ² / ndf 1096 / 64
p0 1067 ± 0.9303
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960

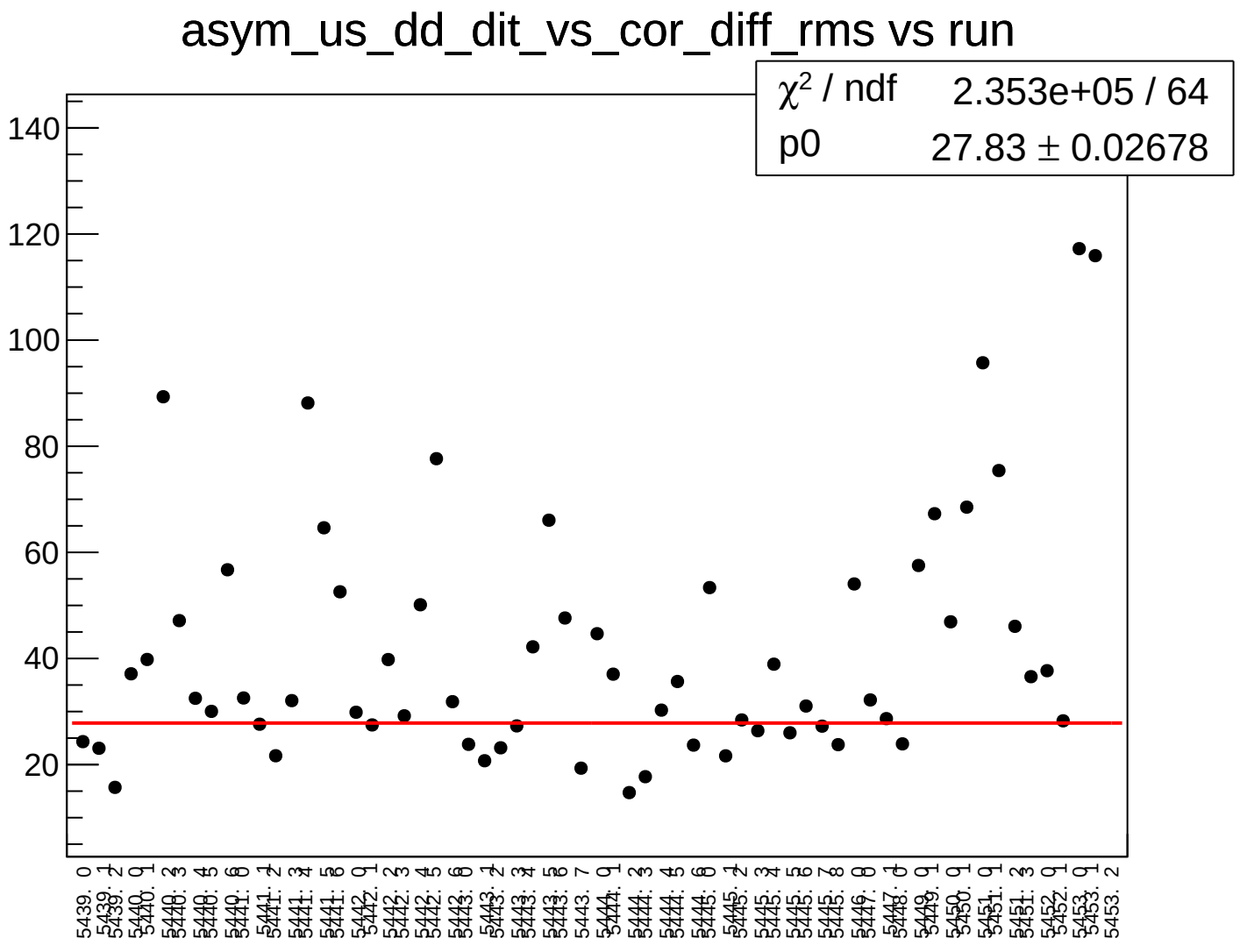

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.2 / 64
p0 −3.19e−14 ± 3.594e−14
pull
Entries 65
Mean 888.7
Std Dev 0

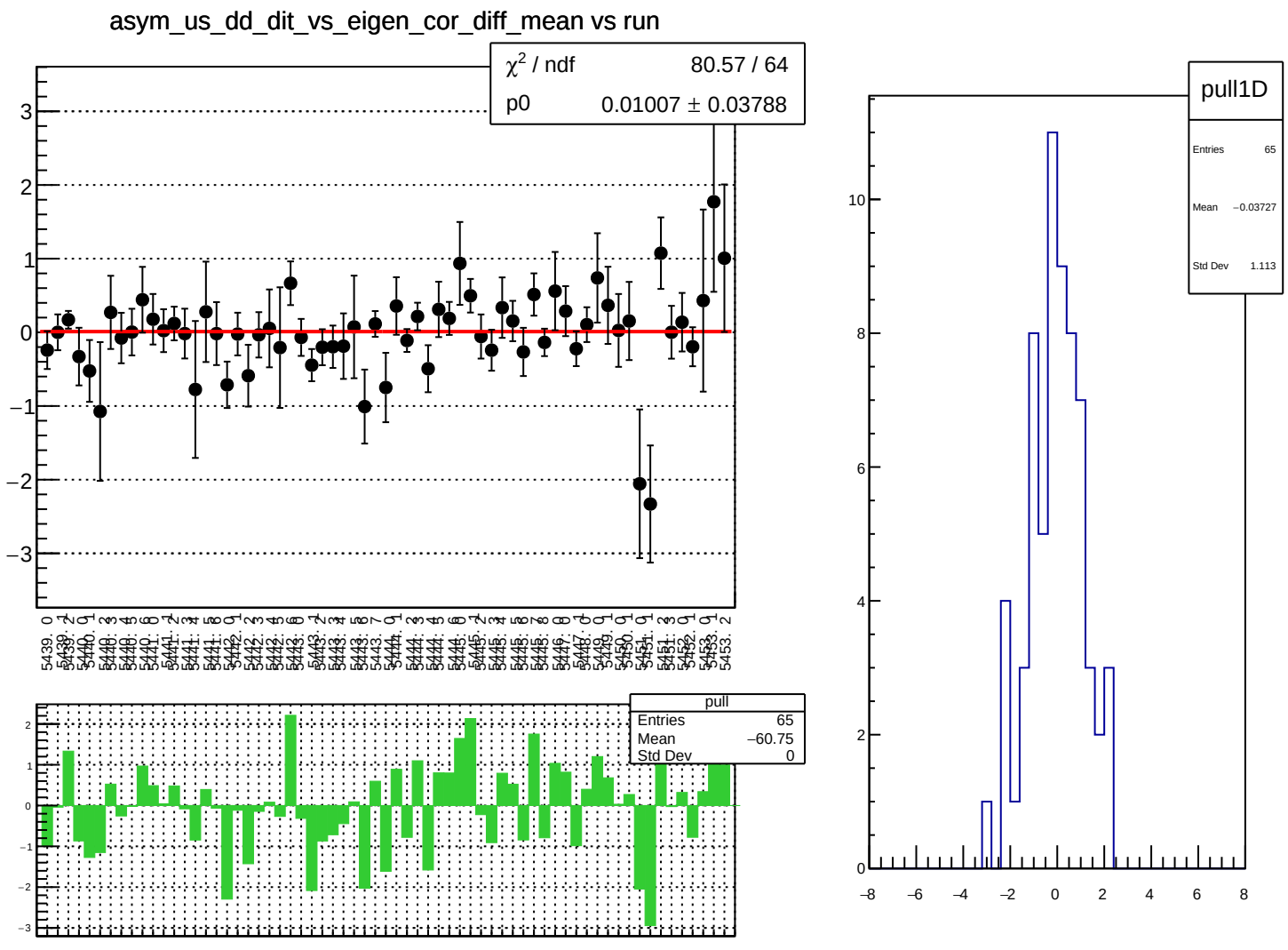

pull1D
Entries 65
Mean −0.003717
Std Dev 1.118

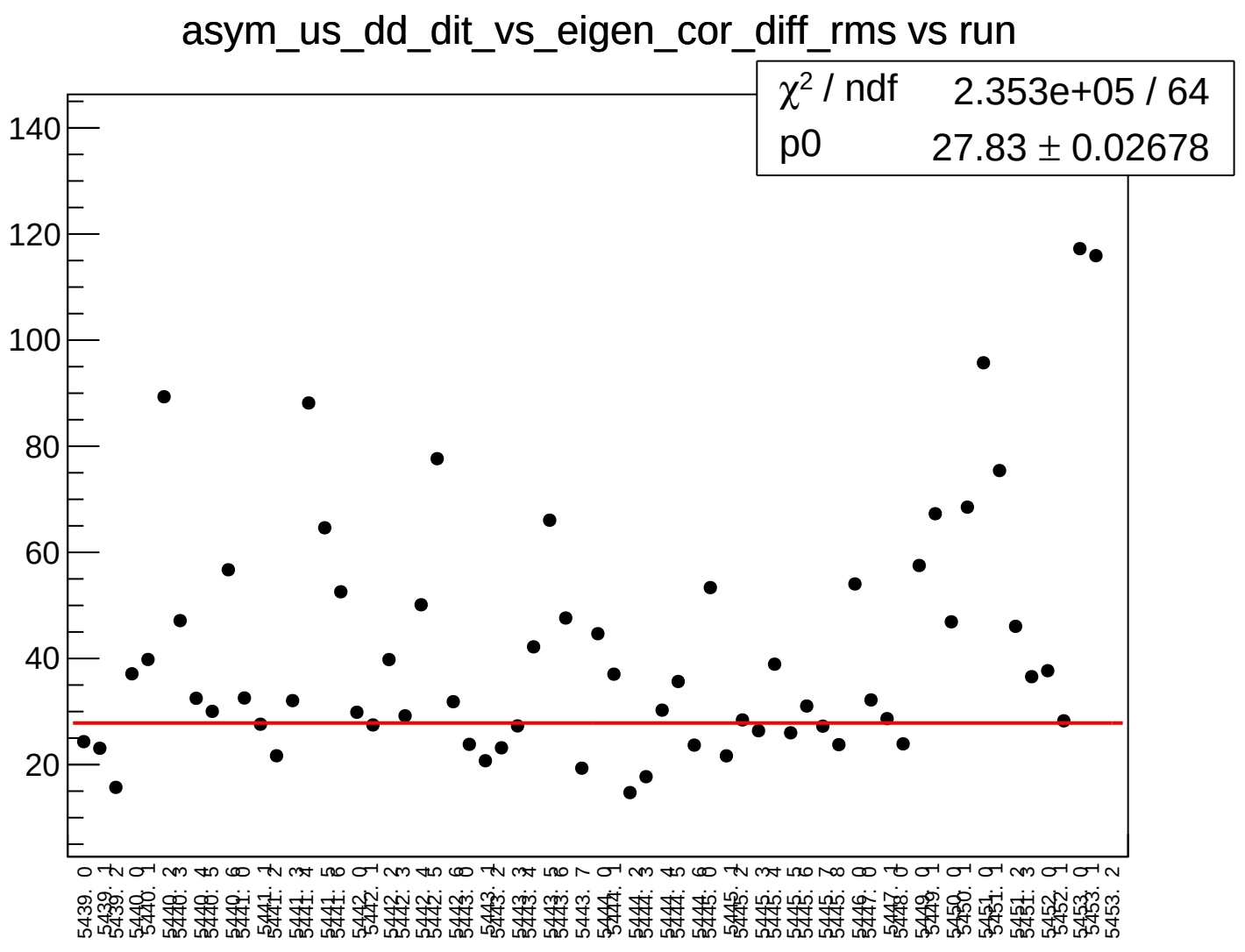

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.103e+05 / 64
p0 2.418e−11 ± 2.542e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

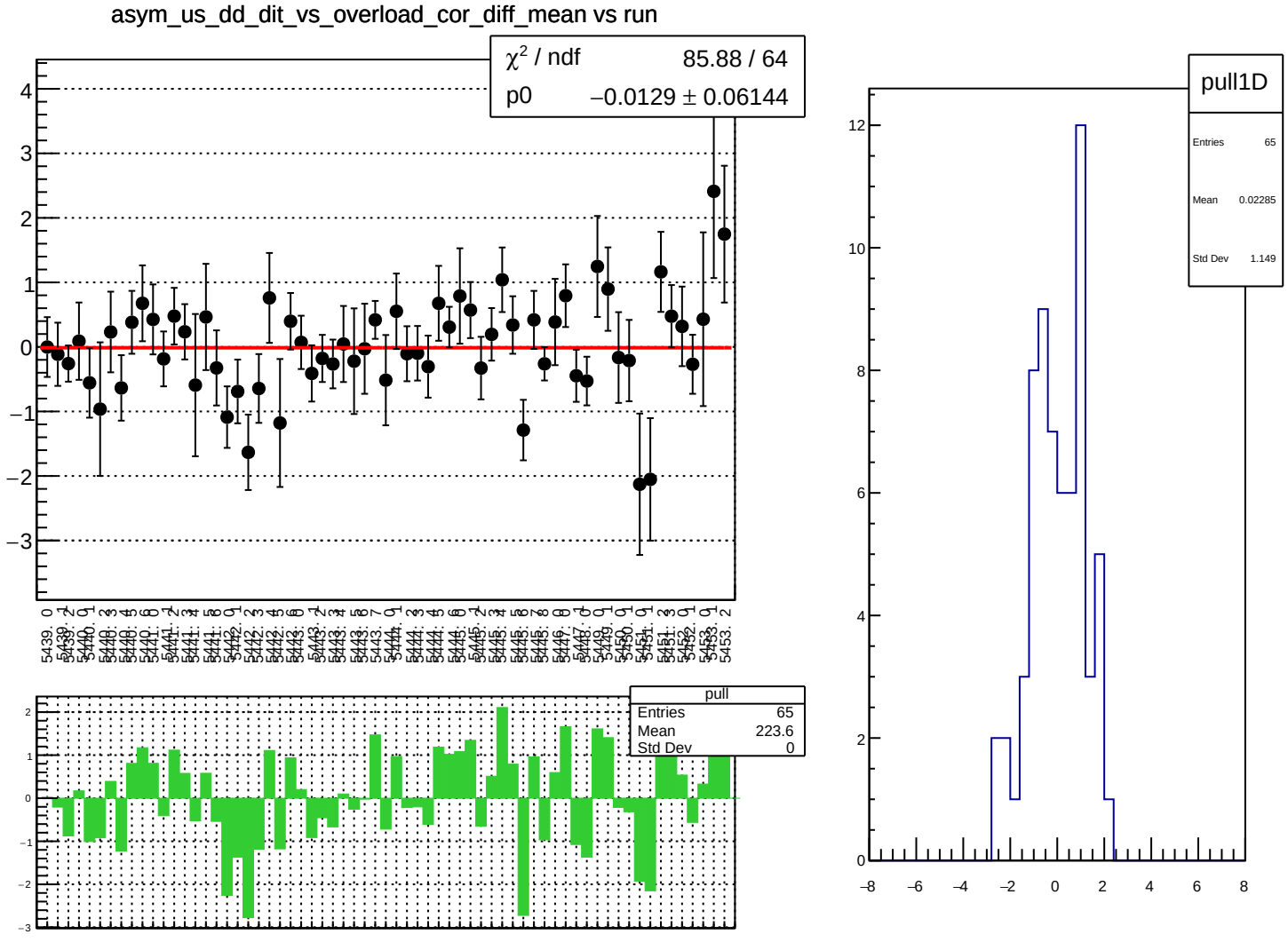

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.57 / 64
p0 0.01007 ± 0.03788
pull
Entries 65
Mean −60.75
Std Dev 0

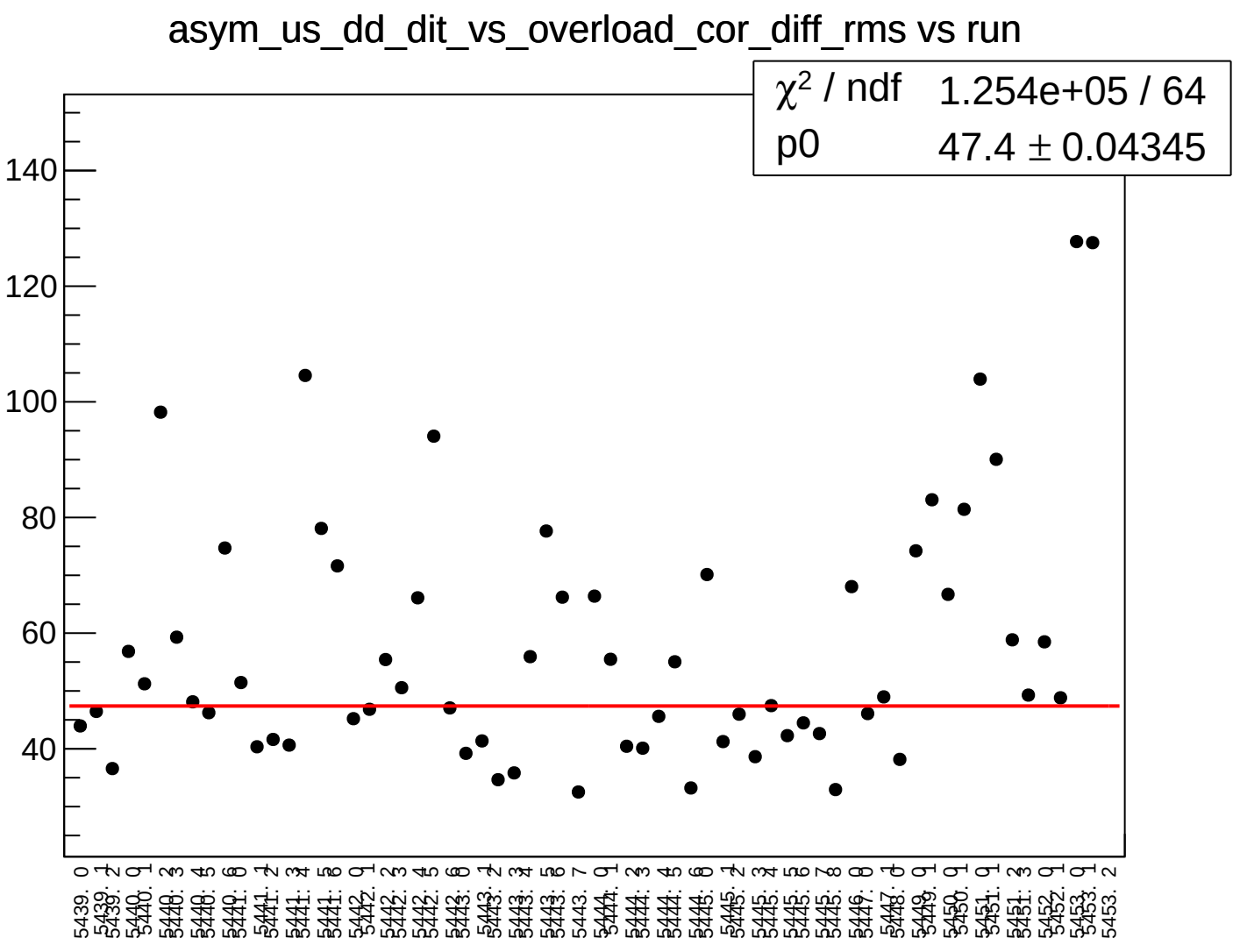

pull1D
Entries 65
Mean −0.03727
Std Dev 1.113

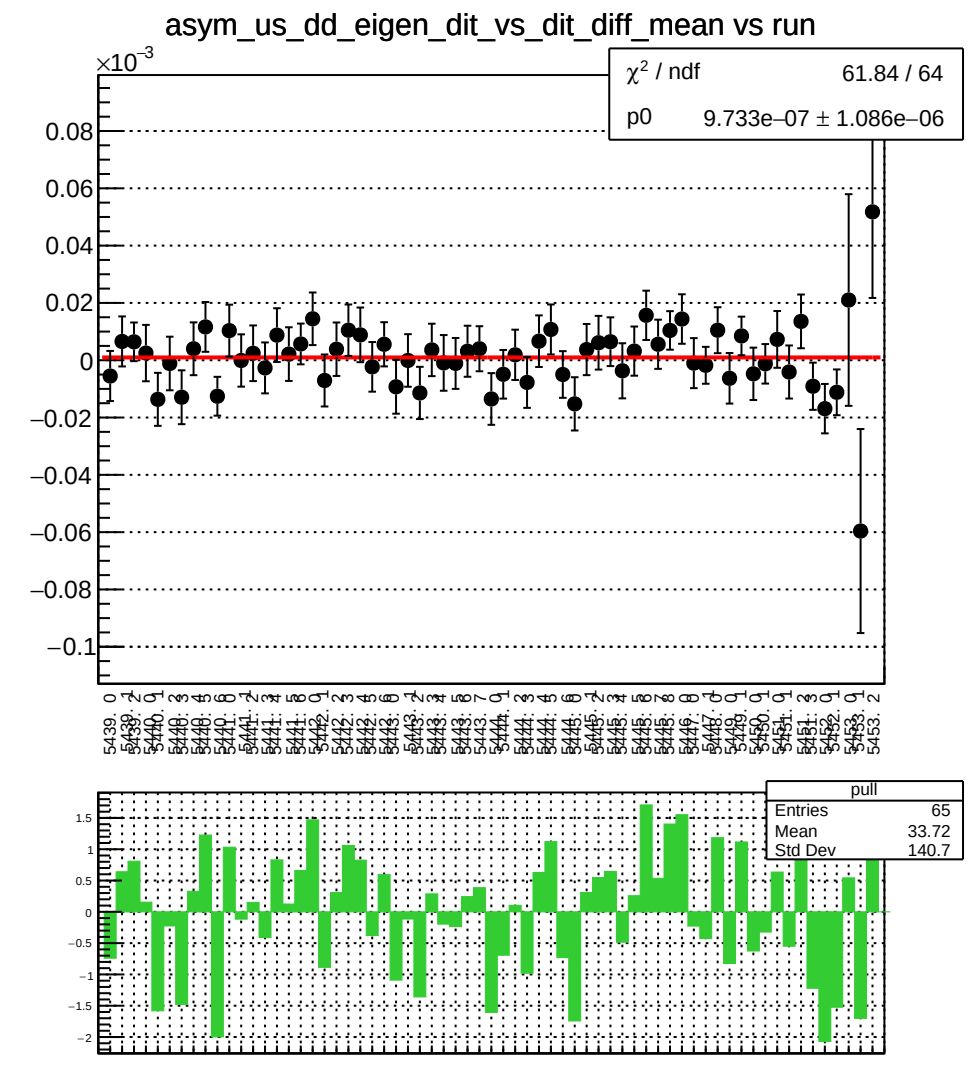

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.353e+05 / 64
p0 27.83 ± 0.02678
140
120
100
80
60
40
20

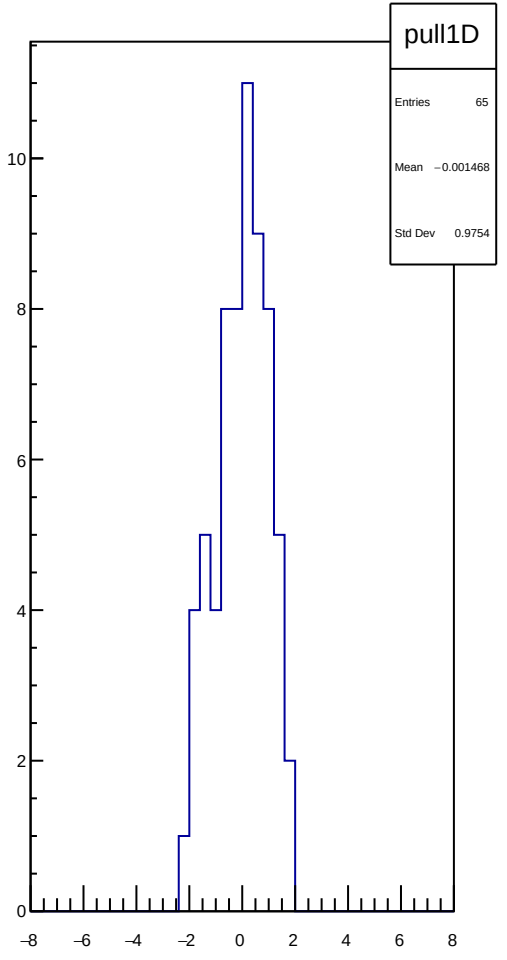

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.57 / 64
p0 0.01007 ± 0.03788
pull
Entries 65
Mean −60.75
Std Dev 0
pull1D
Entries 65
Mean −0.03727
Std Dev 1.113

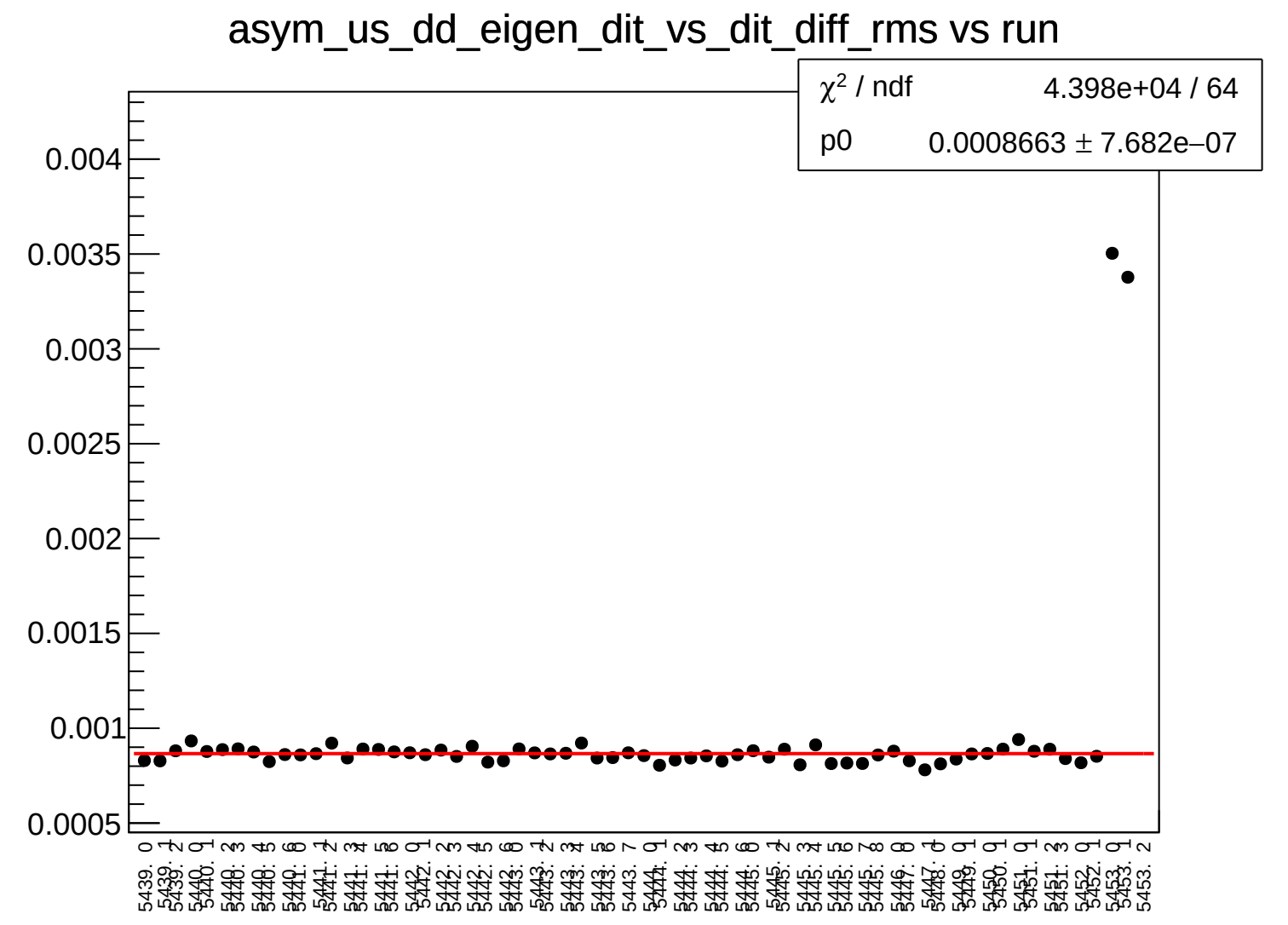

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.353e+05 / 64
p0 27.83 ± 0.02678
140
120
100
80
60
40
20

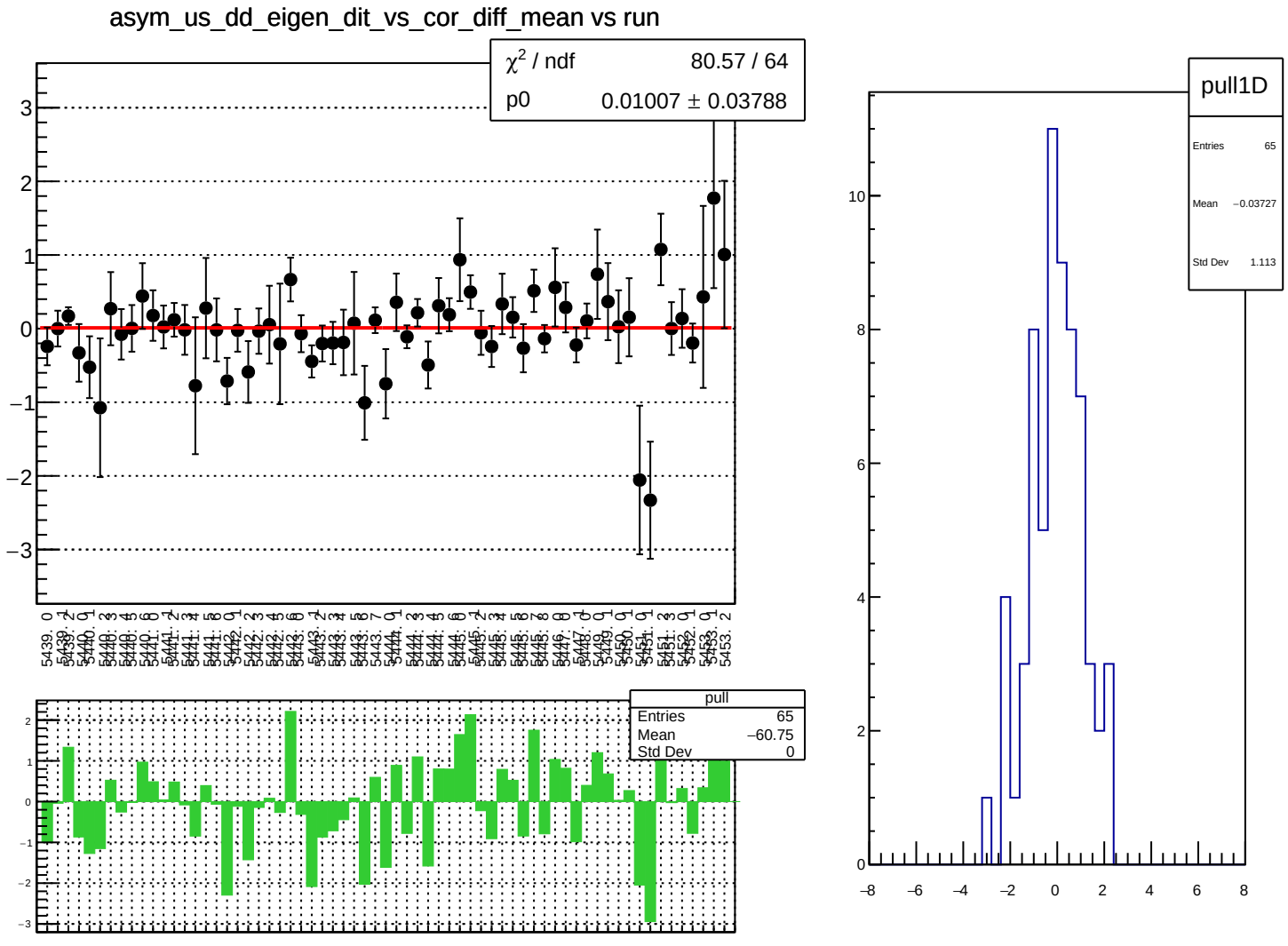

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 85.88 / 64
p0 −0.0129 ± 0.06144
pull
Entries 65
Mean 223.6
Std Dev 0
pull1D
Entries 65
Mean 0.02285
Std Dev 1.149

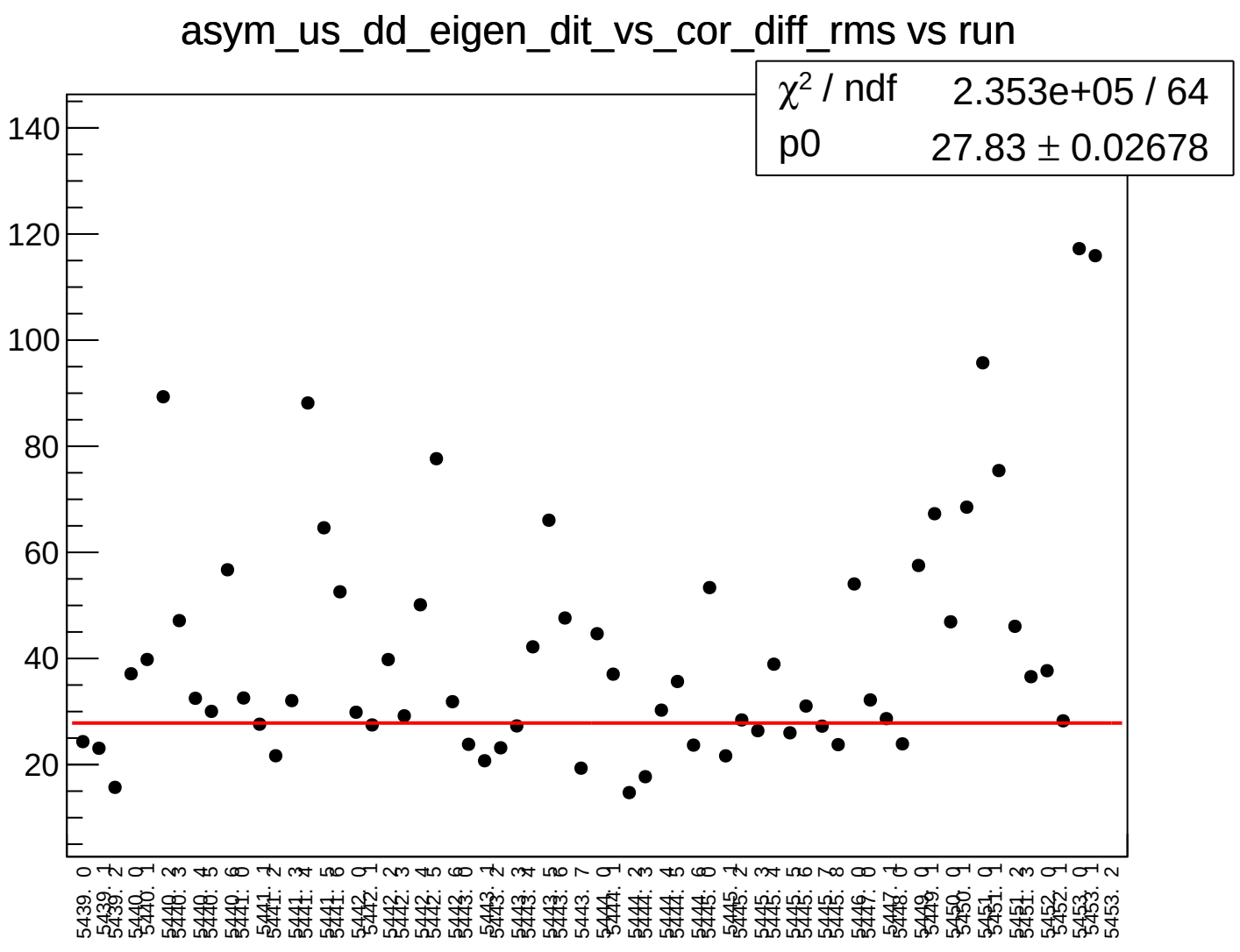

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.254e+05 / 64
p0 47.4 ± 0.04345
140
120
100
80
60
40

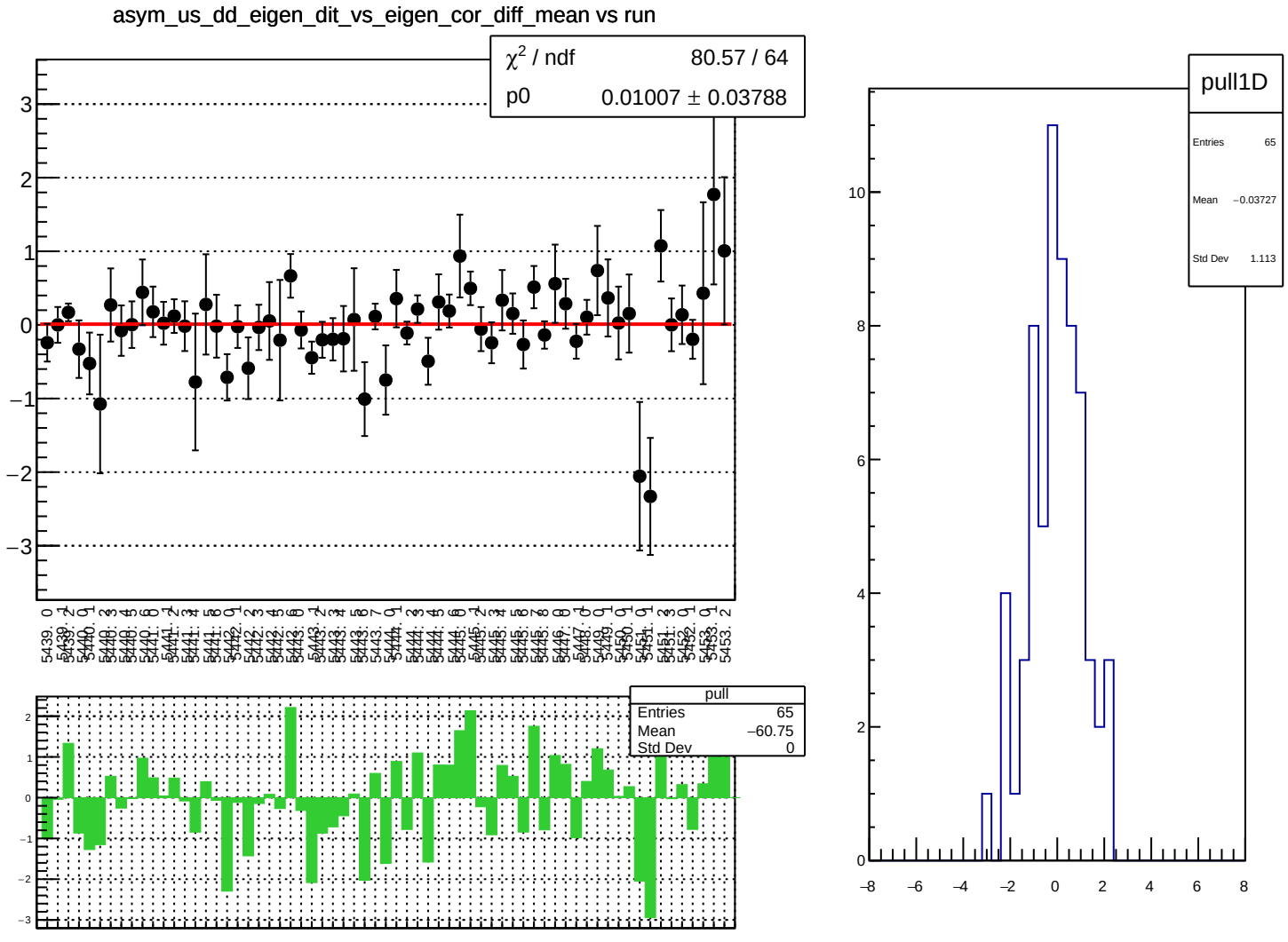

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.84 / 64
p0 9.733e−07 ± 1.086e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 65
Mean 33.72
Std Dev 140.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

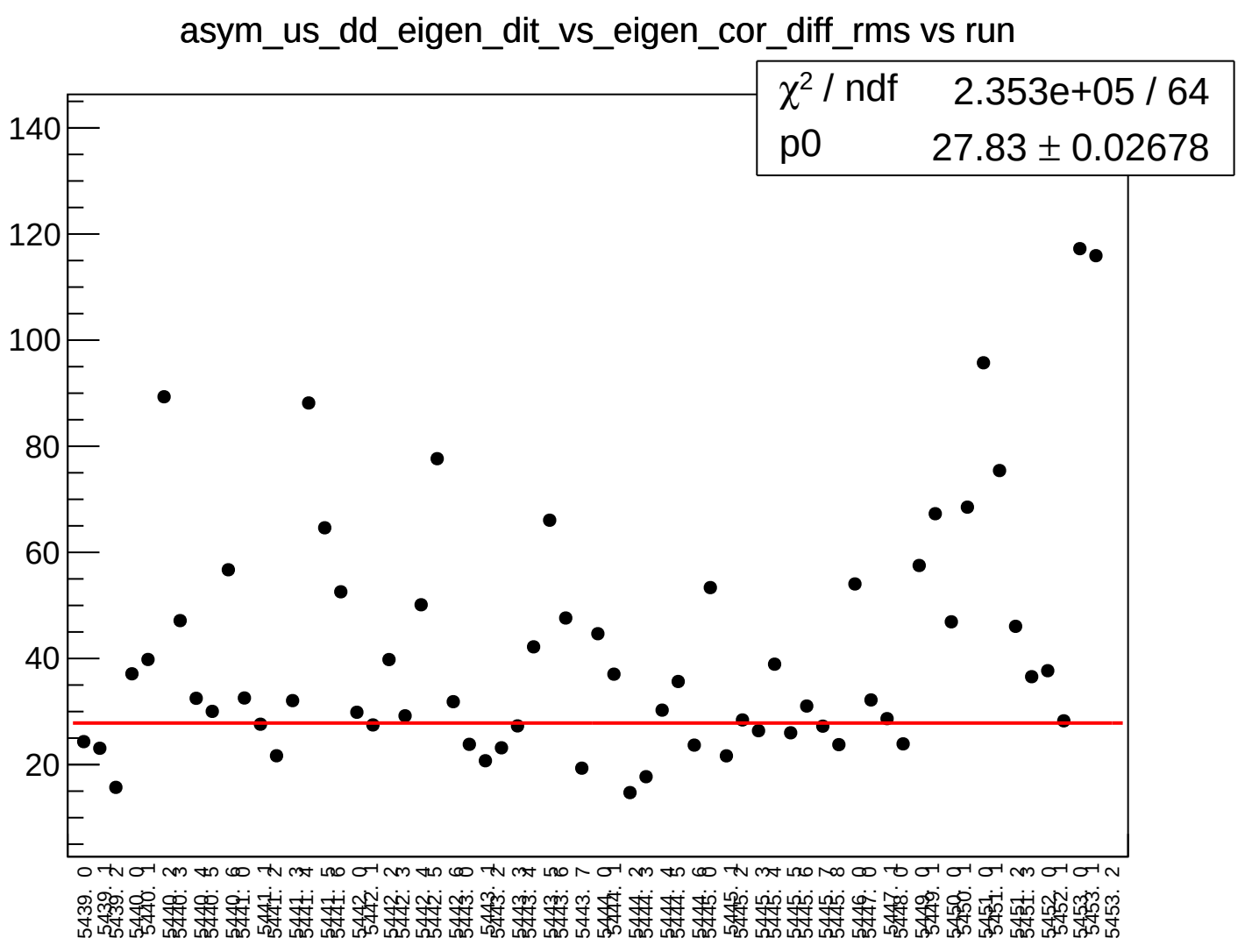

pull1D
Entries 65
Mean −0.001468
Std Dev 0.9754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

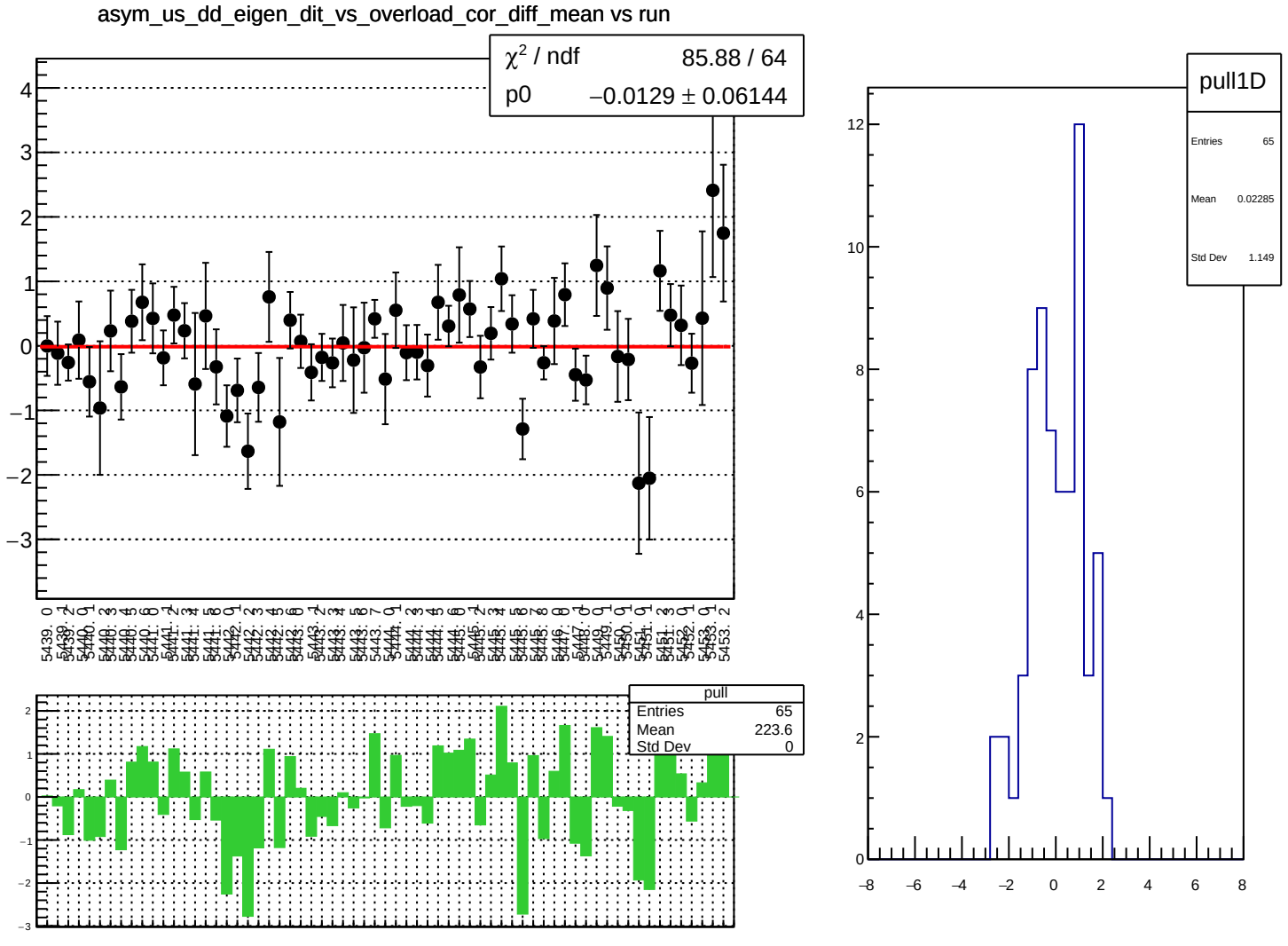

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.398e+04 / 64
p0 0.0008663 ± 7.682e−07
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005

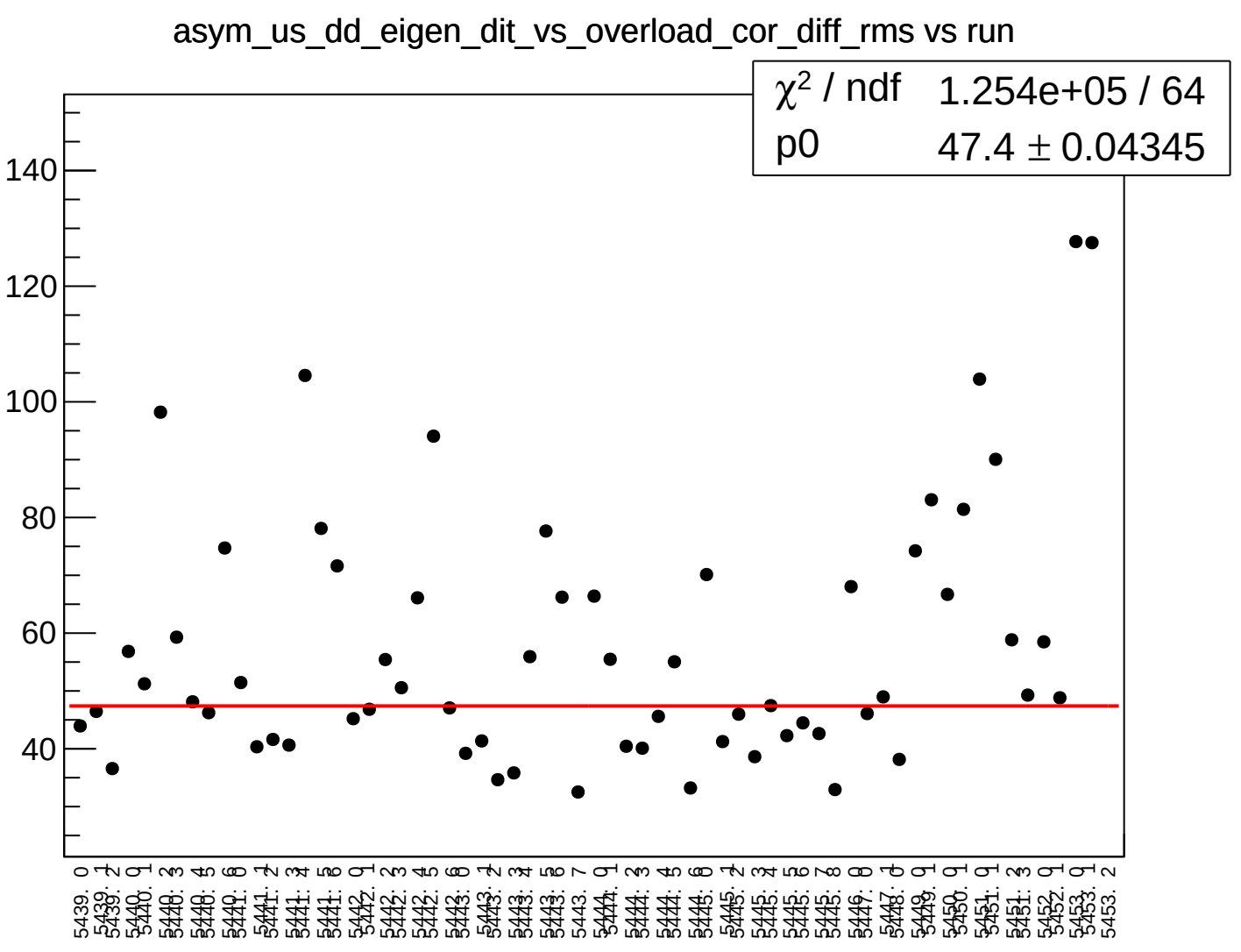

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.57 / 64
p0 0.01007 ± 0.03788
pull
Entries 65
Mean −60.75
Std Dev 0
pull1D
Entries 65
Mean −0.03727
Std Dev 1.113

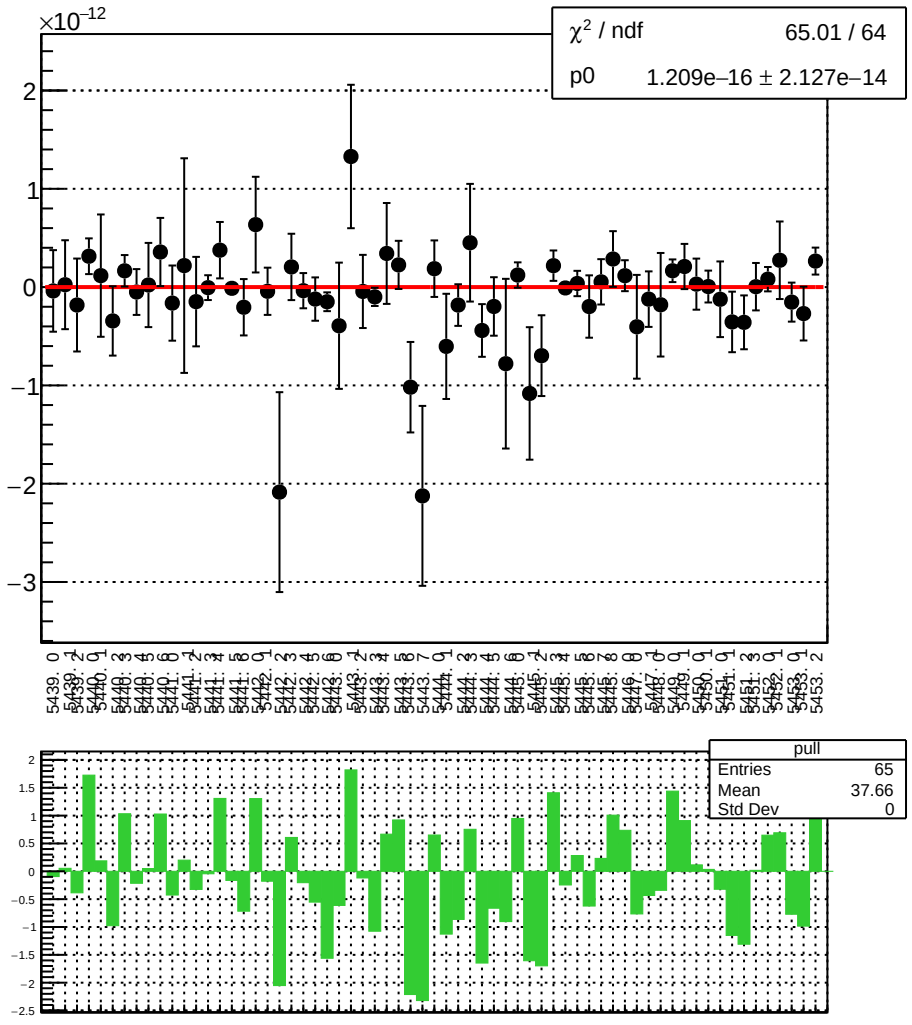

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.353e+05 / 64
p0 27.83 ± 0.02678
140
120
100
80
60
40
20

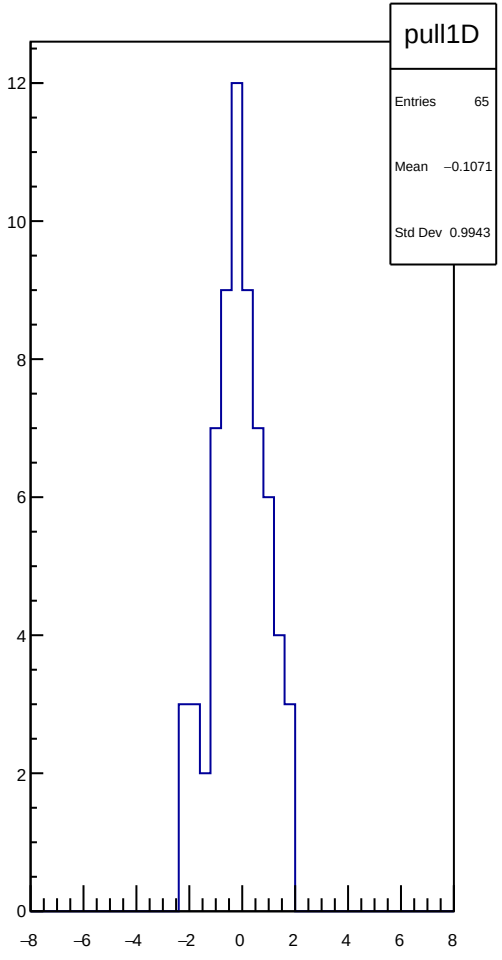

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.57 / 64
p0 0.01007 ± 0.03788
pull
Entries 65
Mean −60.75
Std Dev 0
pull1D
Entries 65
Mean −0.03727
Std Dev 1.113

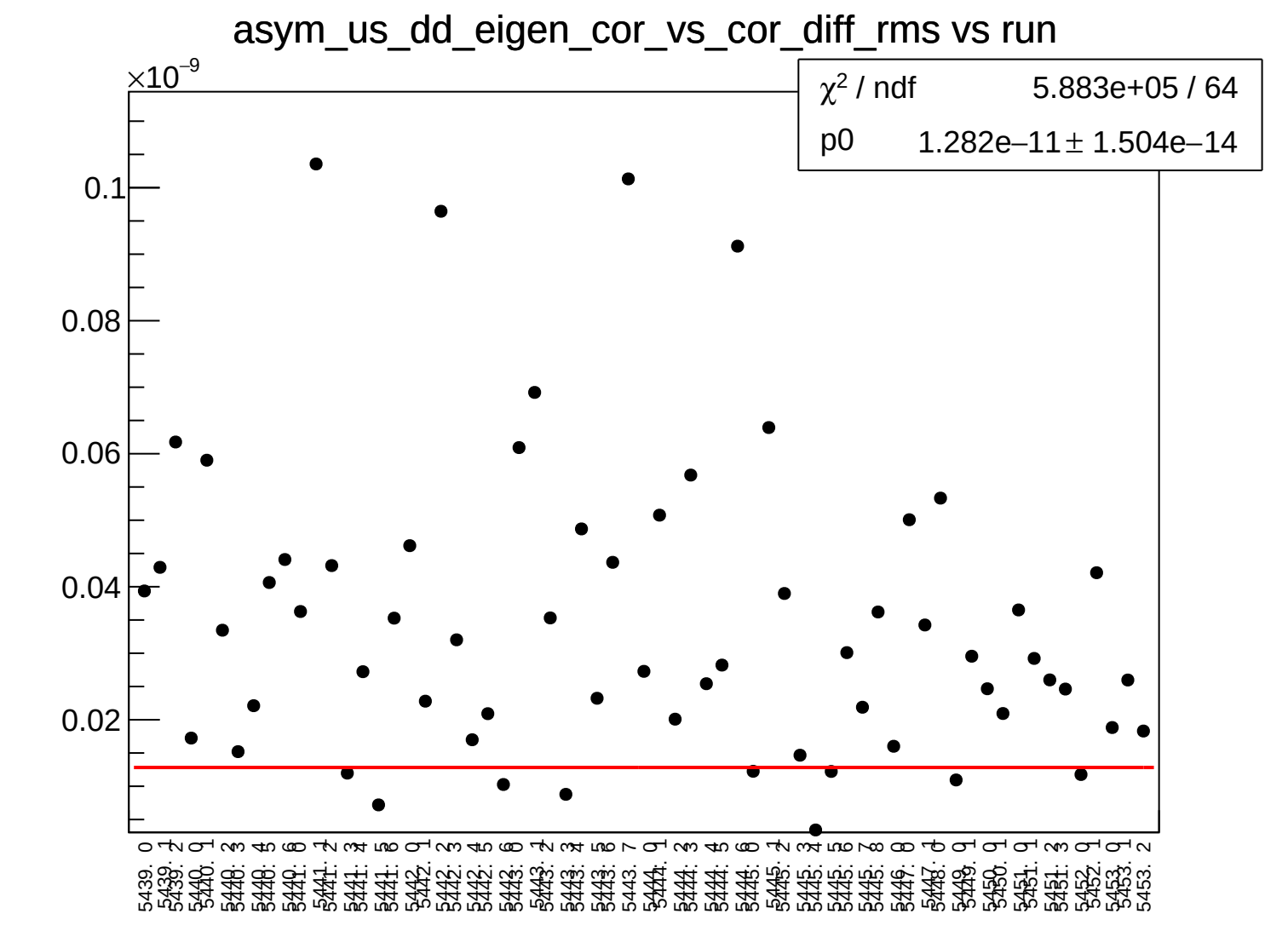

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.353e+05 / 64
p0 27.83 ± 0.02678
140
120
100
80
60
40
20

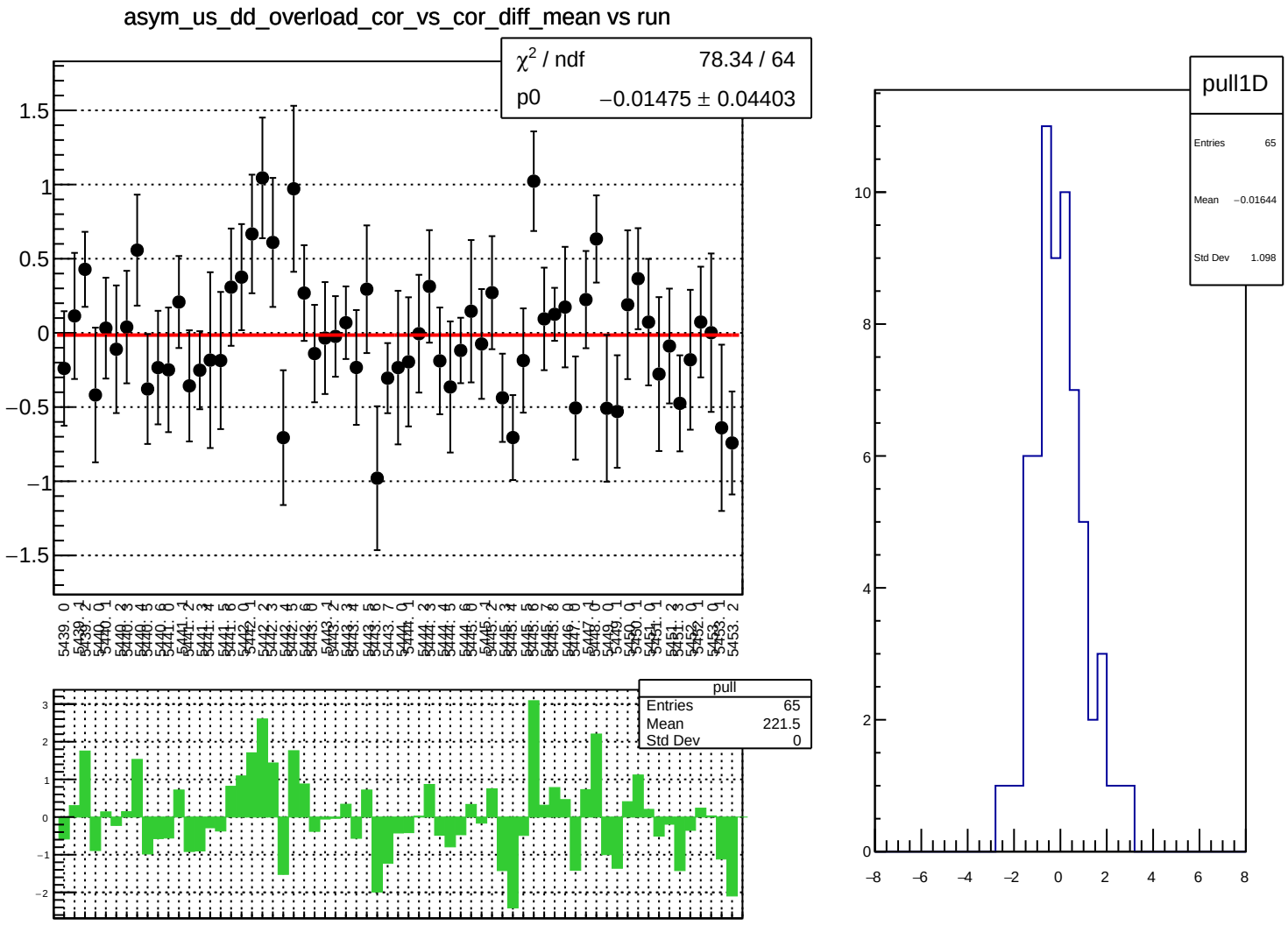

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 85.88 / 64
p0 −0.0129 ± 0.06144
pull
Entries 65
Mean 223.6
Std Dev 0
pull1D
Entries 65
Mean 0.02285
Std Dev 1.149

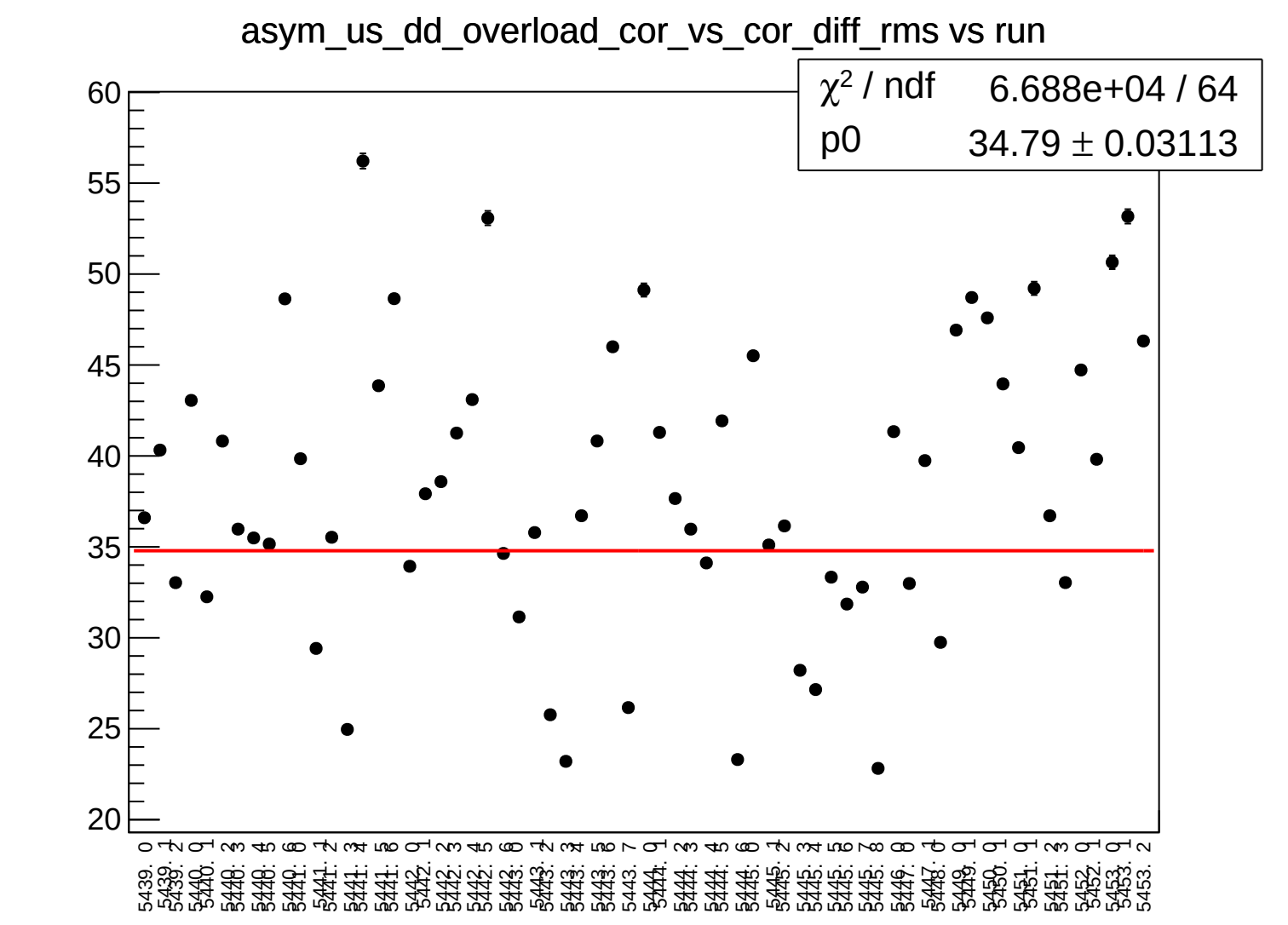

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.254e+05 / 64
p0 47.4 ± 0.04345
140
120
100
80
60
40

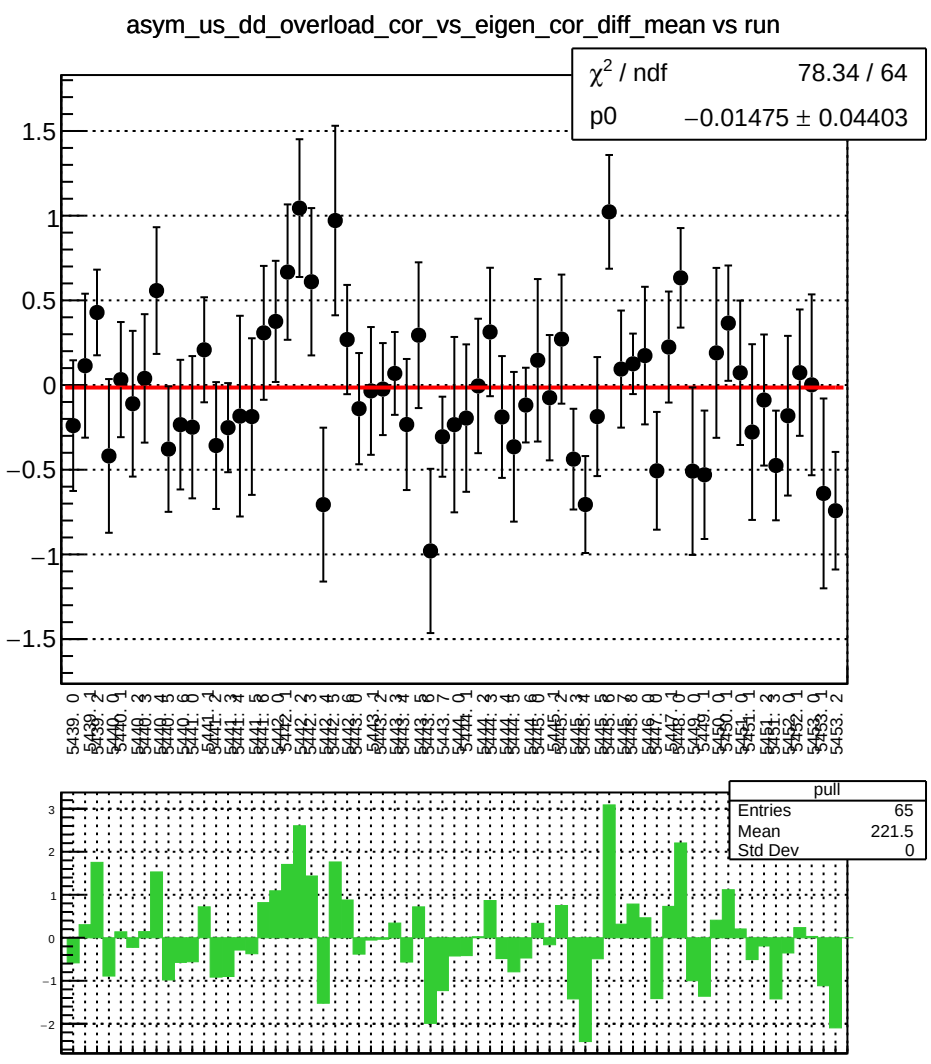

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.01 / 64
p0 1.209e−16 ± 2.127e−14
pull
Entries 65
Mean 37.66
Std Dev 0

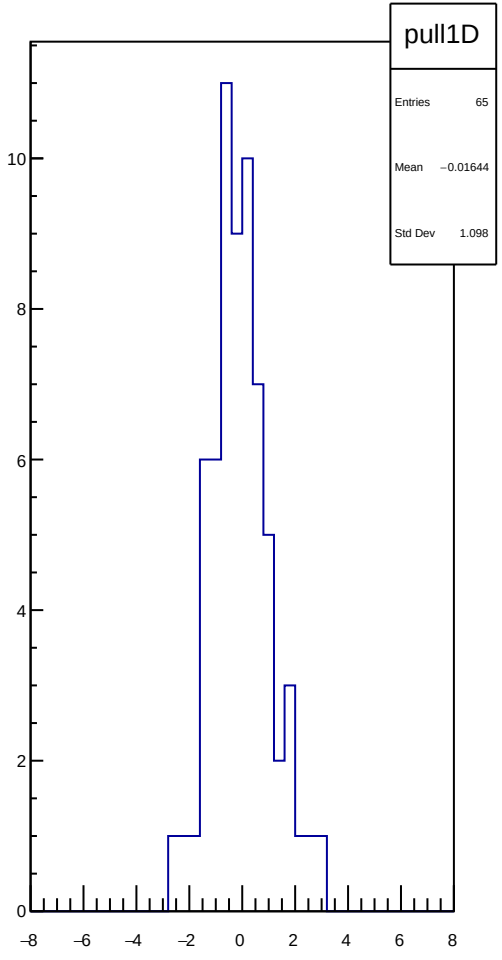

pull1D
Entries 65
Mean −0.1071
Std Dev 0.9943

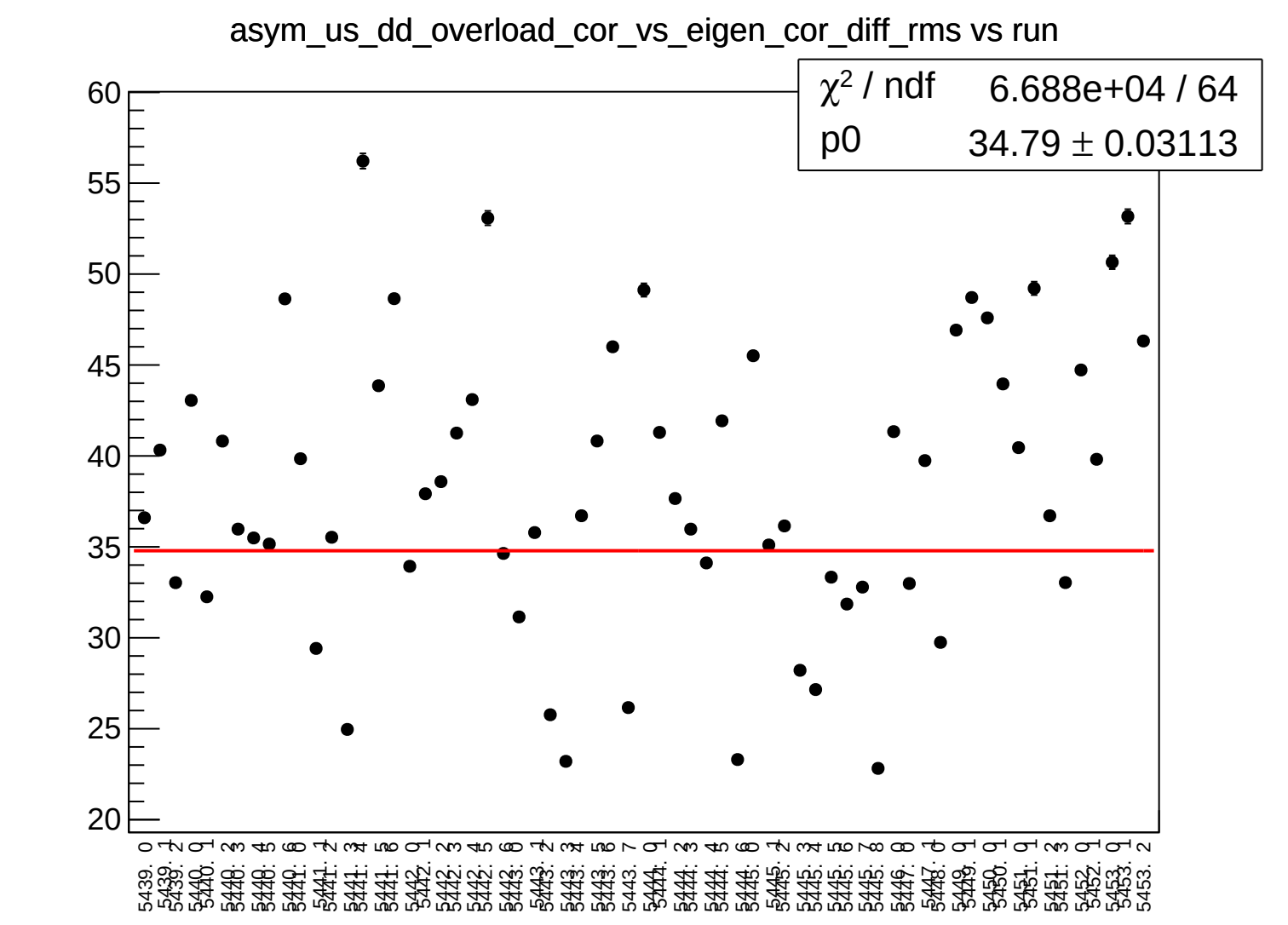

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.883e+05 / 64
p0 1.282e−11 ± 1.504e−14
0.1
0.08
0.06
0.04
0.02

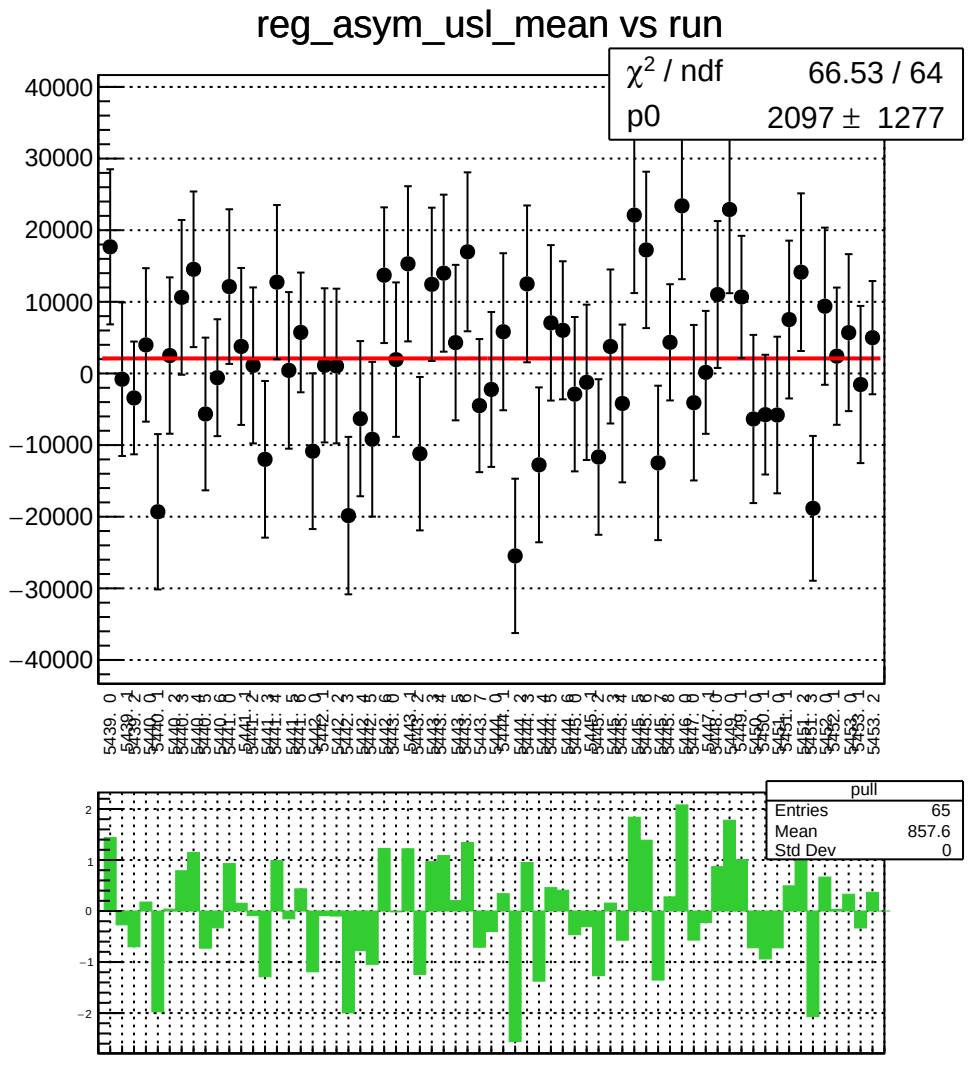

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 78.34 / 64
p0 −0.01475 ± 0.04403
pull
Entries 65
Mean 221.5
Std Dev 0
pull1D
Entries 65
Mean −0.01644
Std Dev 1.098

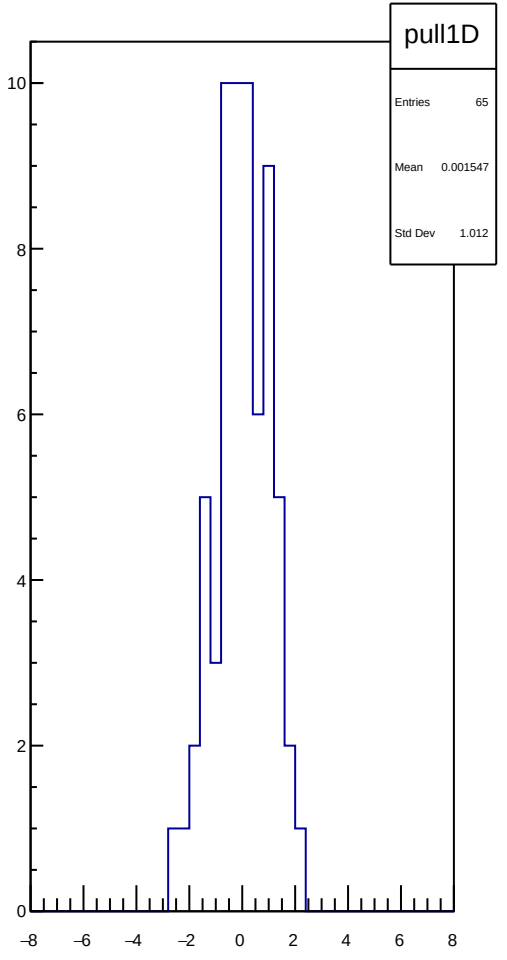

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.688e+04 / 64
p0 34.79 ± 0.03113
60
55
50
45
40
35
30
25
20

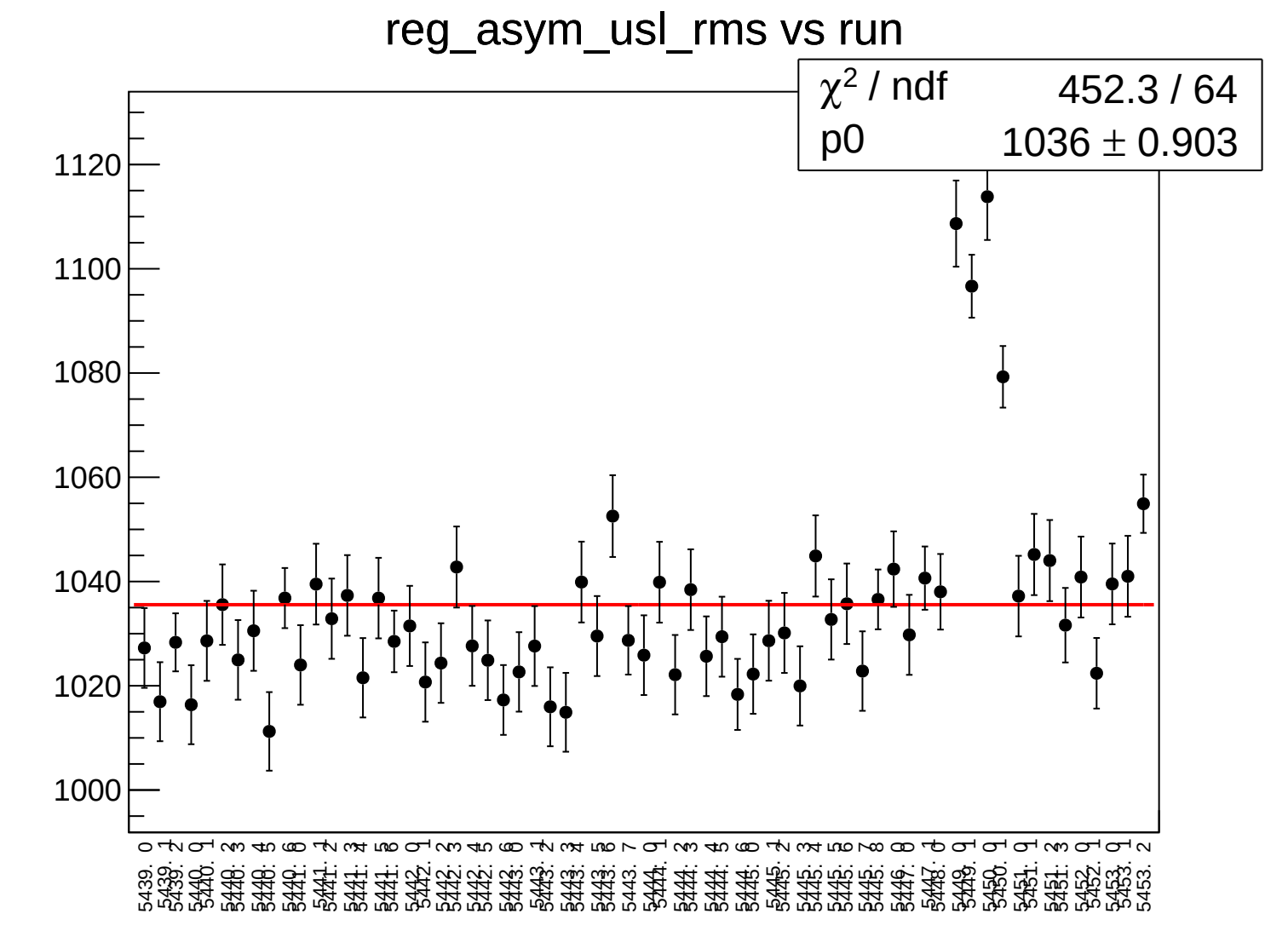

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.34 / 64
p0 −0.01475 ± 0.04403
pull
Entries 65
Mean 221.5
Std Dev 0

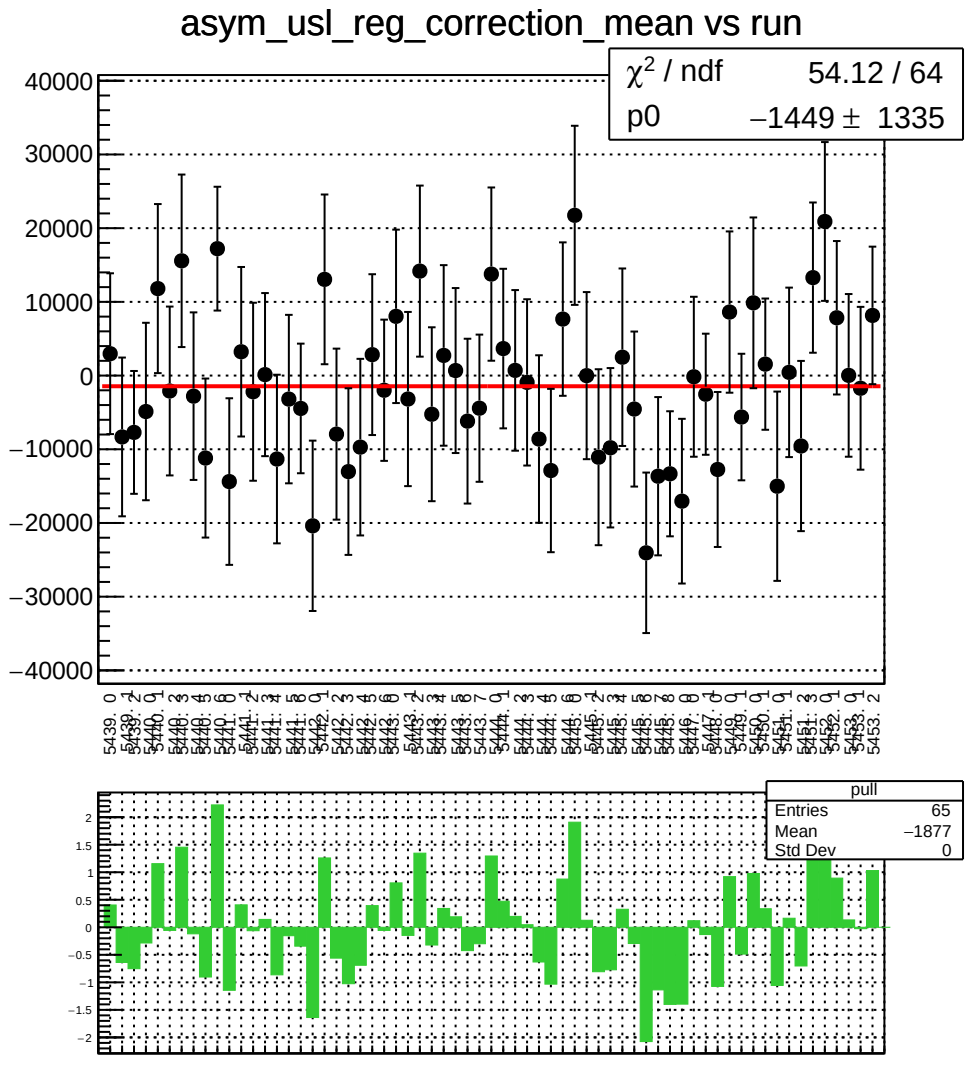

pull1D
Entries 65
Mean −0.01644
Std Dev 1.098

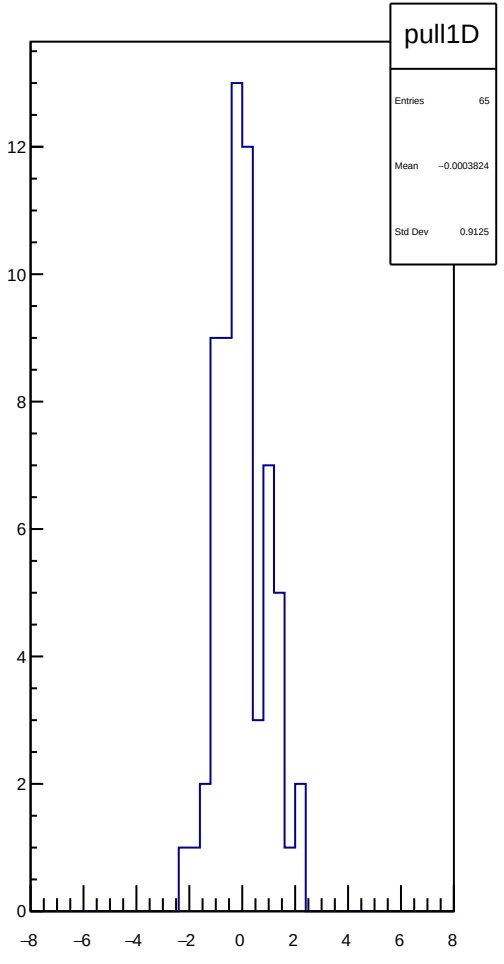

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.688e+04 / 64
p0 34.79 ± 0.03113
60
55
50
45
40
35
30
25
20

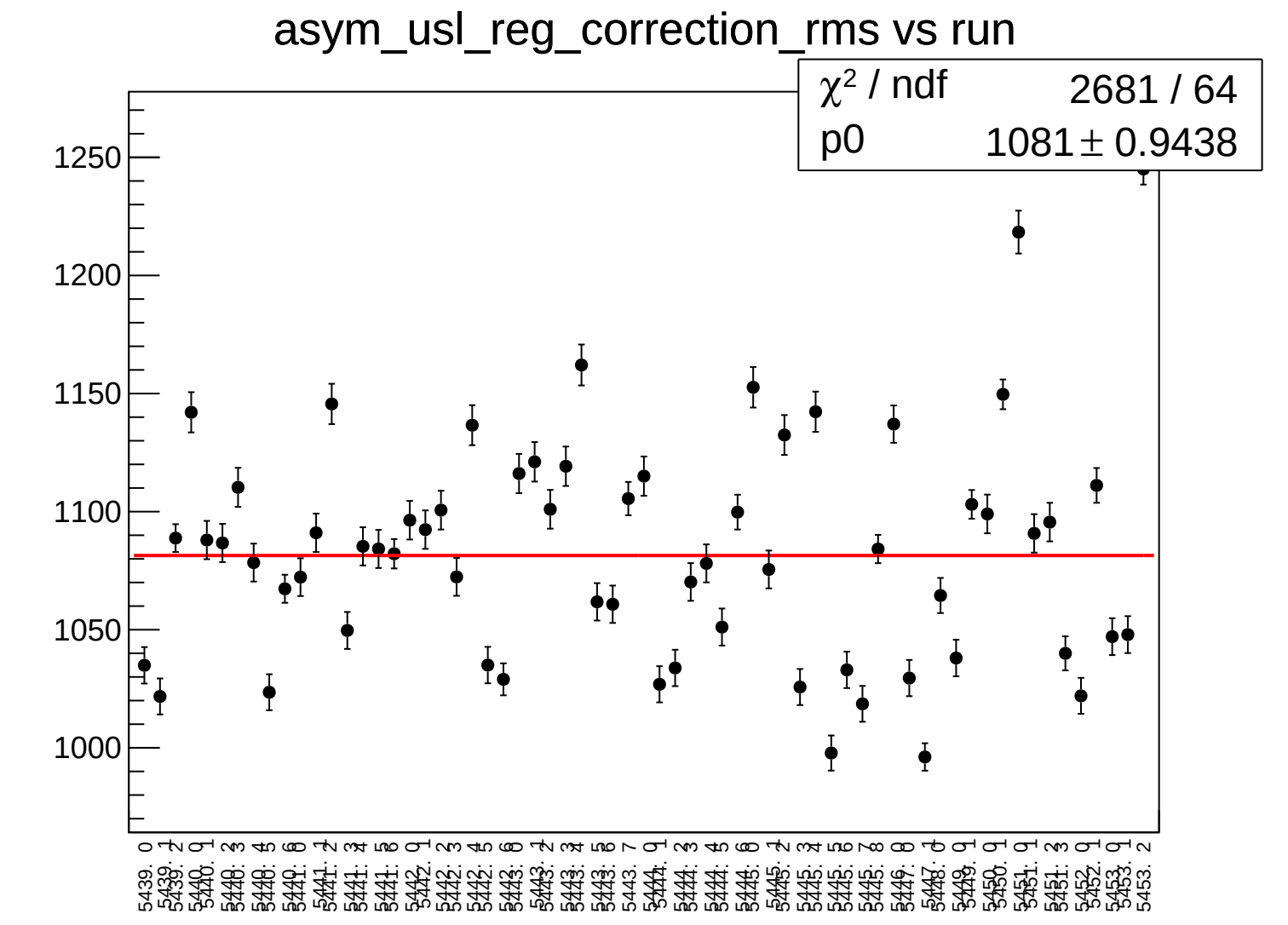

reg_asym_usl_mean vs run
χ² / ndf 66.53 / 64
p0 2097 ± 1277
pull
Entries 65
Mean 857.6
Std Dev 0

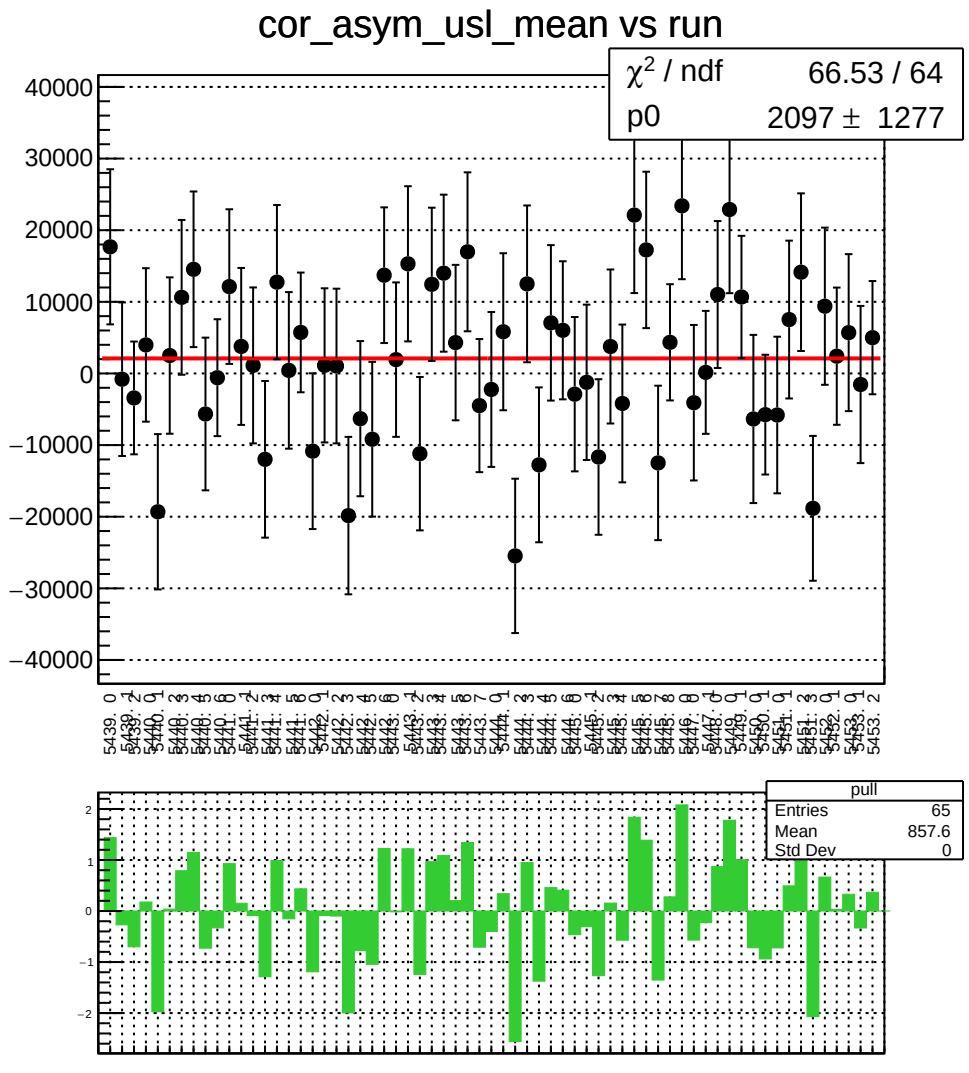

pull1D
Entries 65
Mean 0.001547
Std Dev 1.012

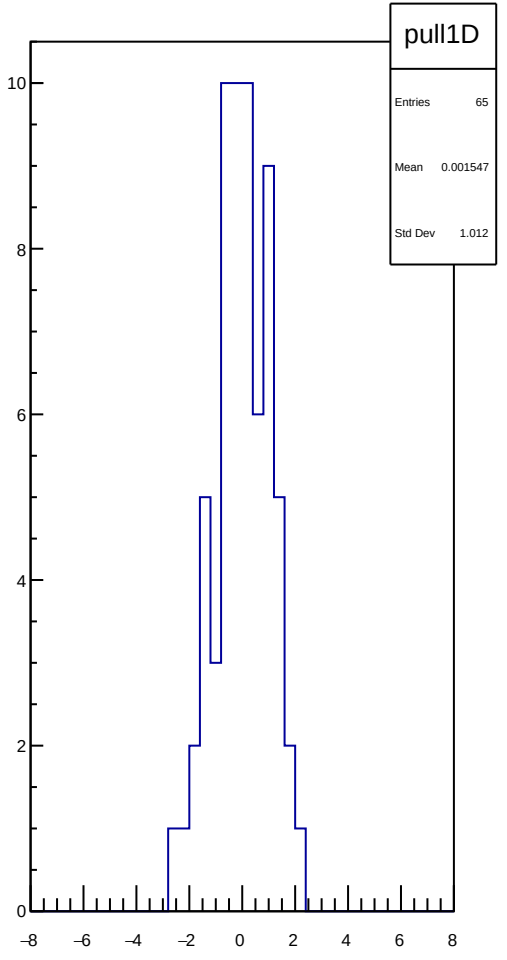

reg_asym_usl_rms vs run
χ² / ndf 452.3 / 64
p0 1036 ± 0.903
1120
1100
1080
1060
1040
1020
1000

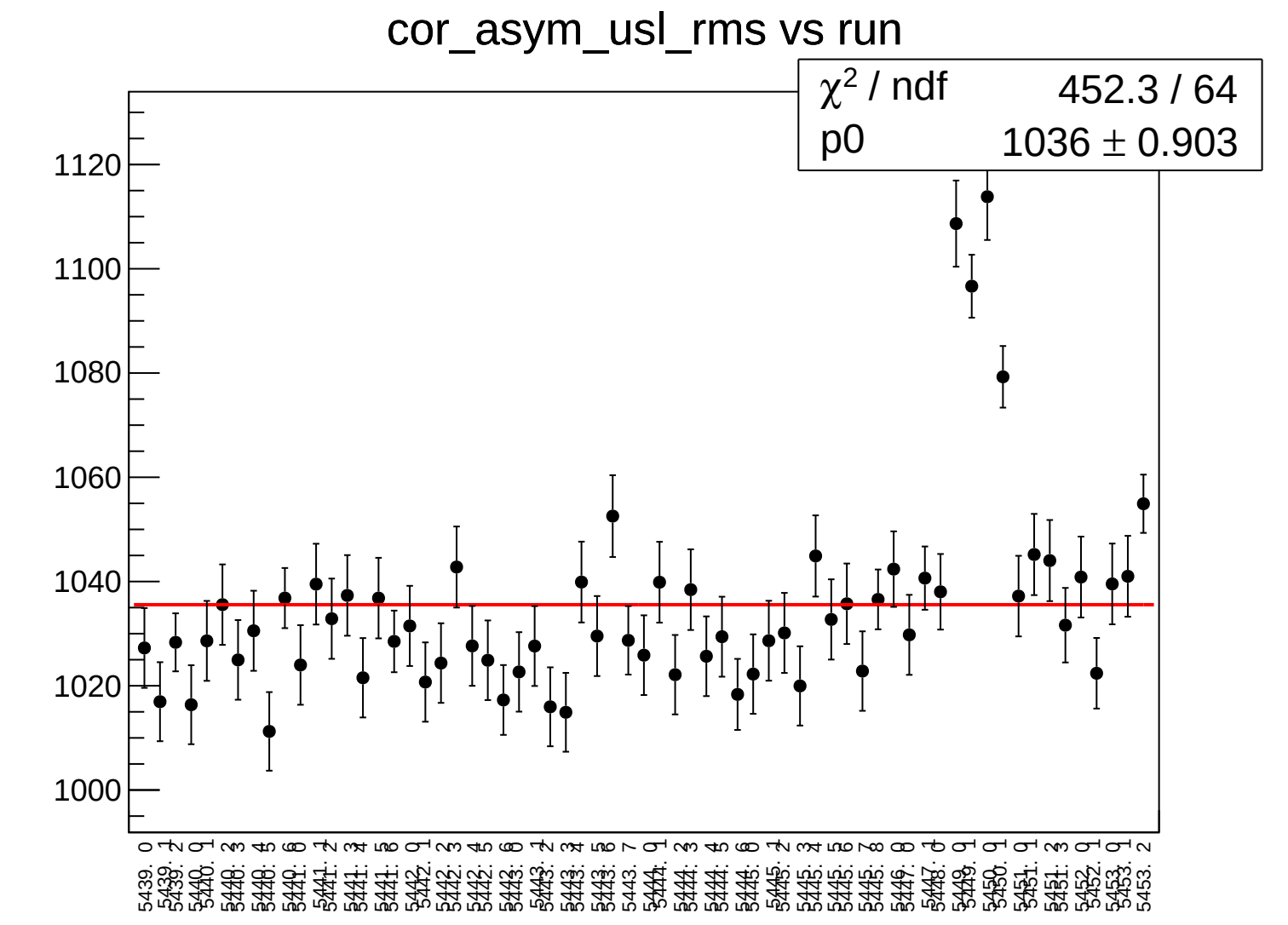

asym_usl_reg_correction_mean vs run
χ² / ndf 54.12 / 64
p0 −1449 ± 1335
pull
Entries 65
Mean −1877
Std Dev 0

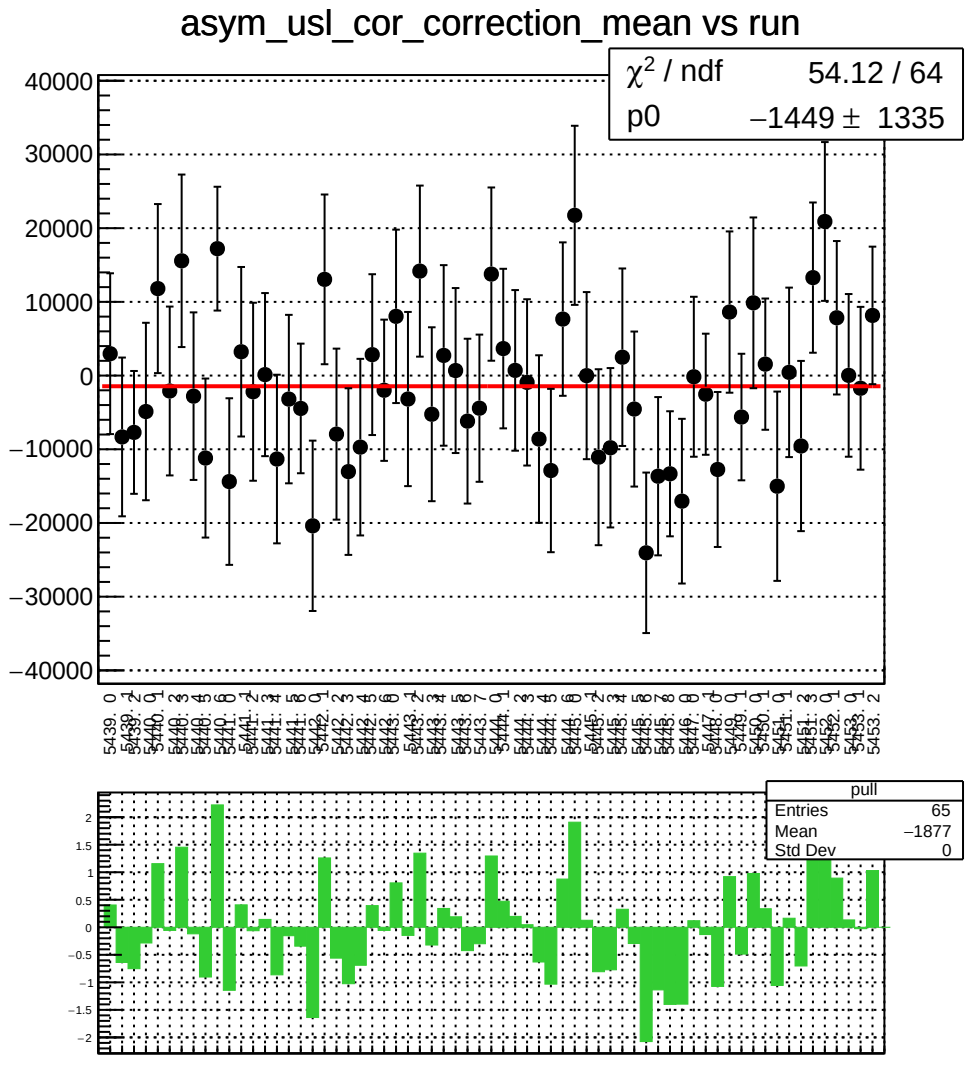

pull1D
Entries 65
Mean −0.0003824
Std Dev 0.9125

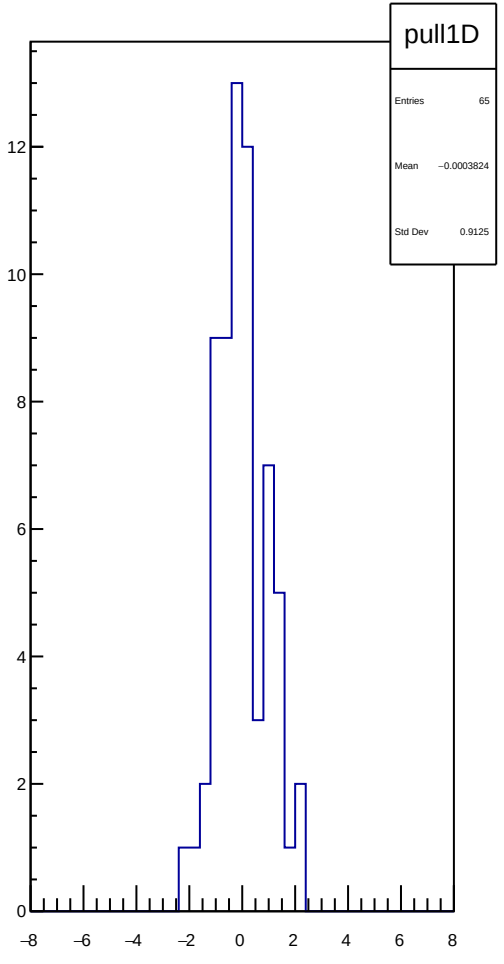

asym_usl_reg_correction_rms vs run
χ² / ndf 2681 / 64
p0 1081 ± 0.9438
1250
1200
1150
1100
1050
1000

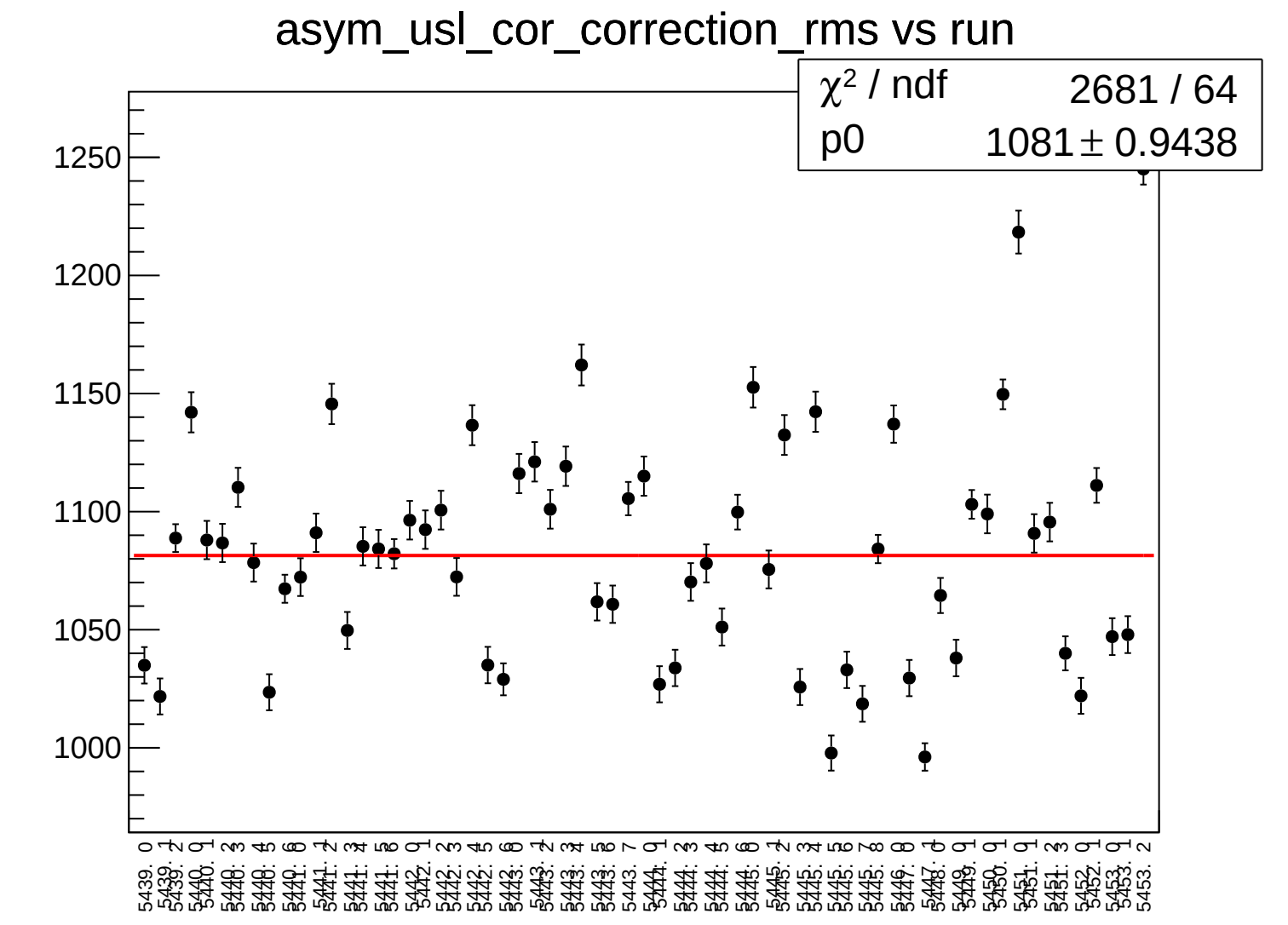

cor_asym_usl_mean vs run
χ² / ndf 66.53 / 64
p0 2097 ± 1277
pull
Entries 65
Mean 857.6
Std Dev 0

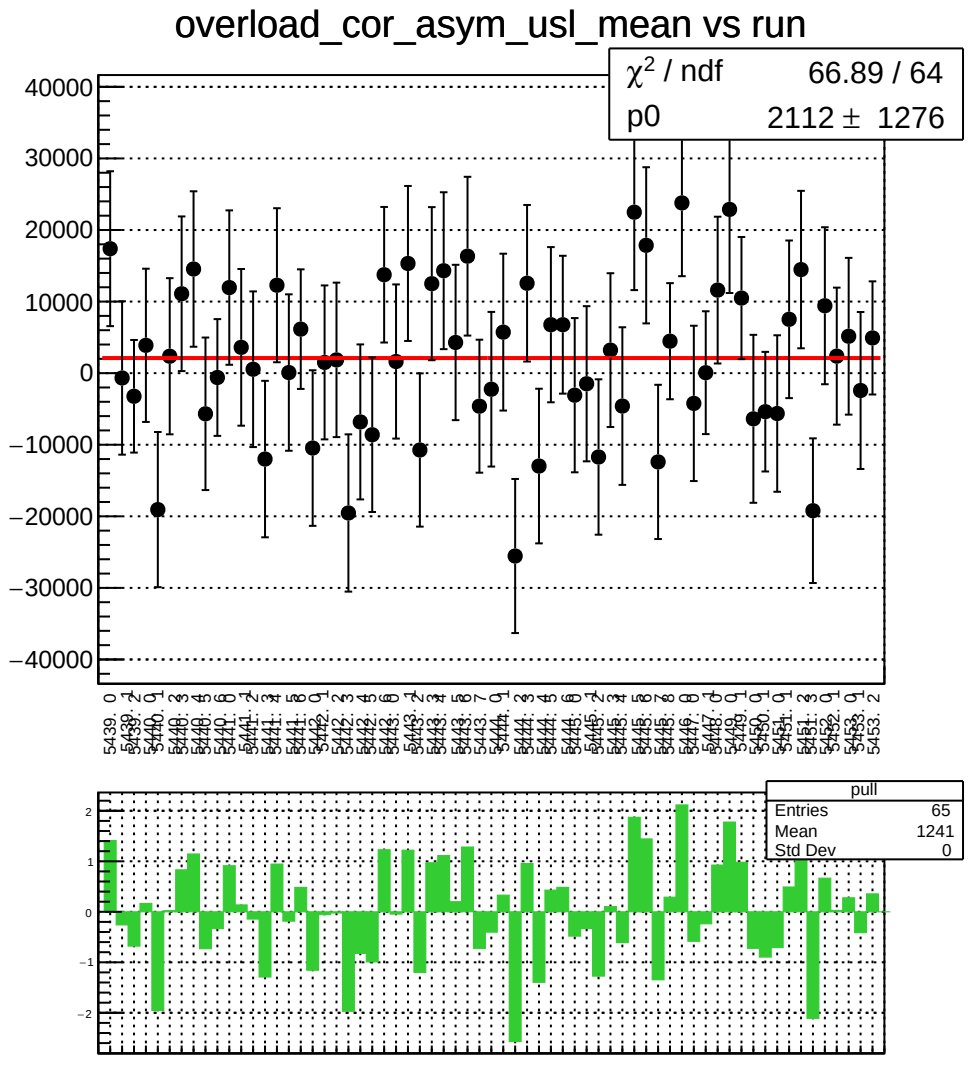

pull1D
Entries 65
Mean 0.001547
Std Dev 1.012

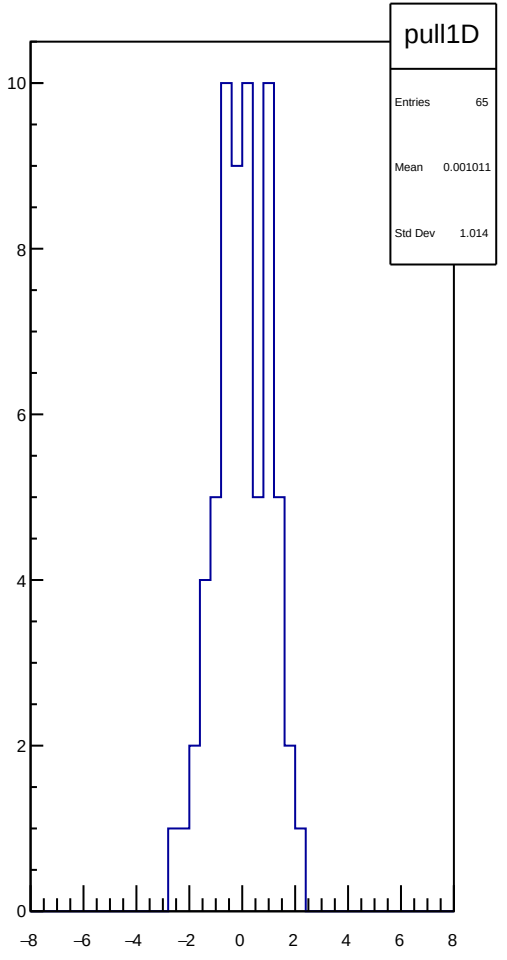

cor_asym_usl_rms vs run
χ² / ndf 452.3 / 64
p0 1036 ± 0.903
1120
1100
1080
1060
1040
1020
1000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

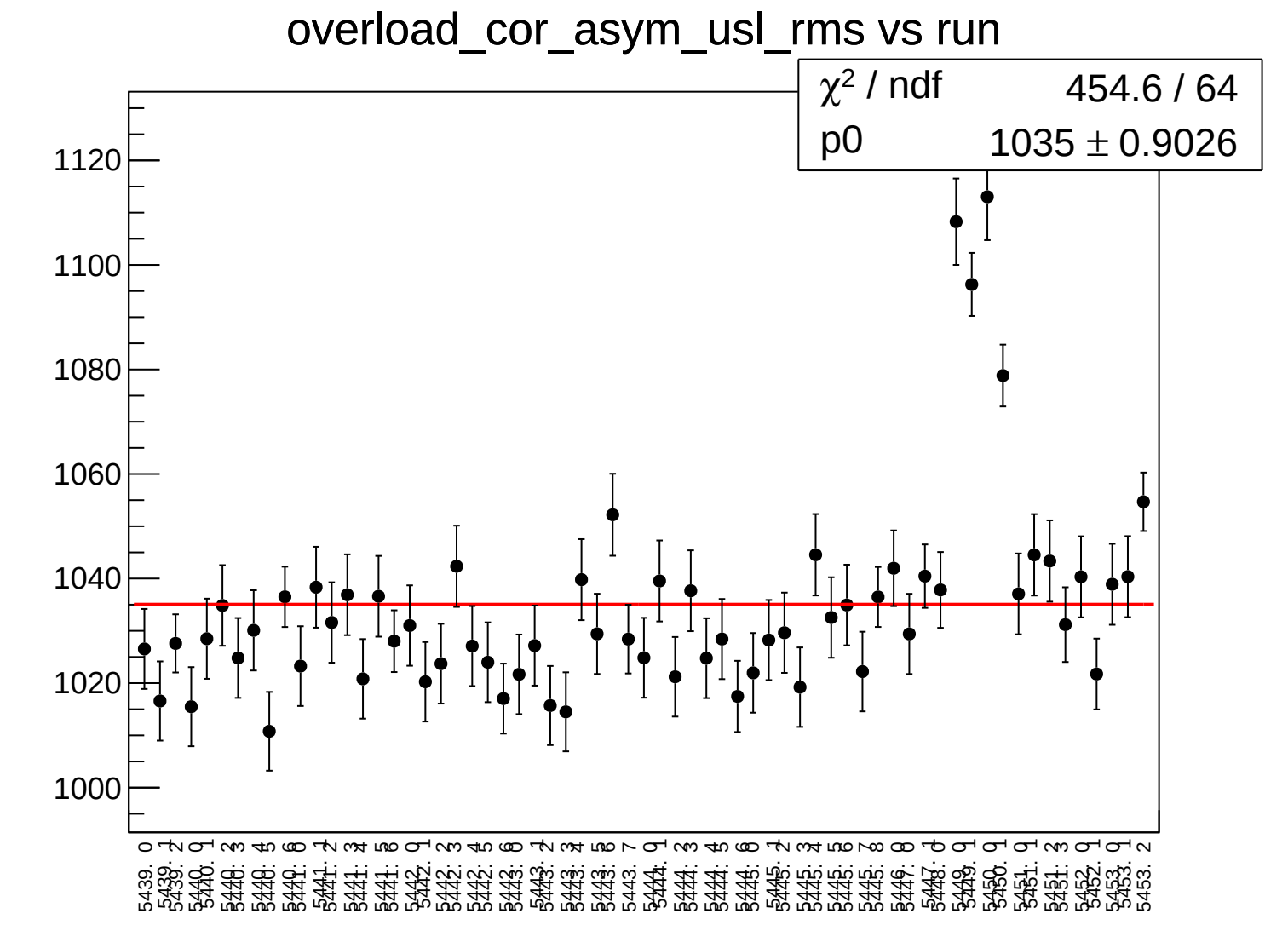

asym_usl_cor_correction_mean vs run
χ² / ndf 54.12 / 64
p0 −1449 ± 1335
pull
Entries 65
Mean −1877
Std Dev 0

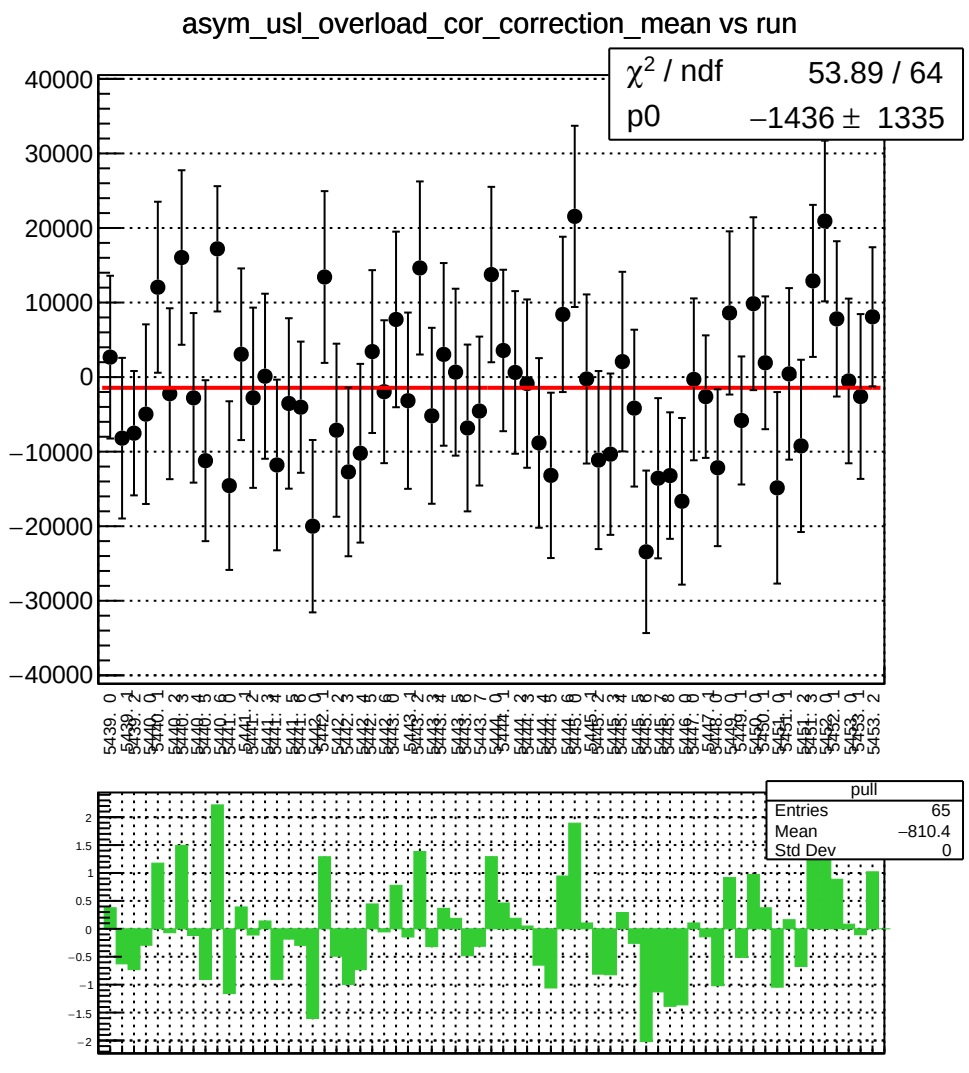

pull1D
Entries 65
Mean −0.0003824
Std Dev 0.9125

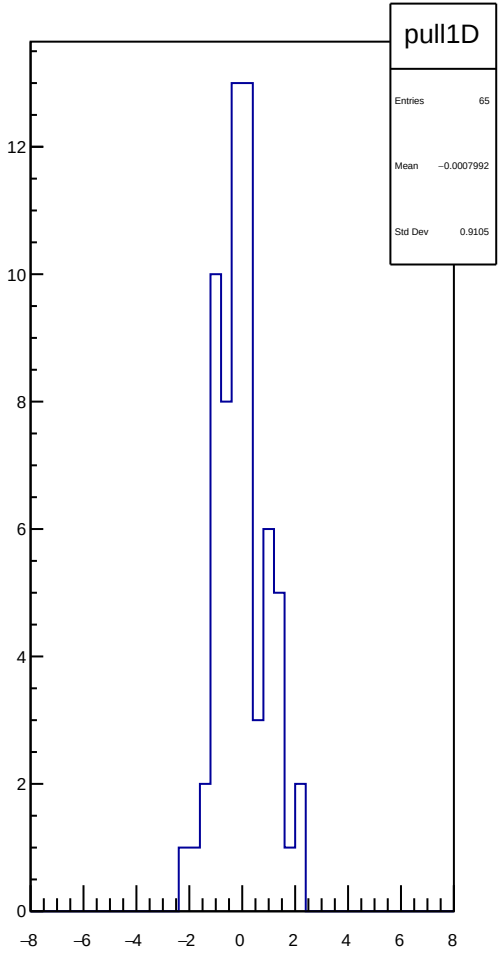

asym_usl_cor_correction_rms vs run
χ² / ndf 2681 / 64
p0 1081 ± 0.9438
1250
1200
1150
1100
1050
1000

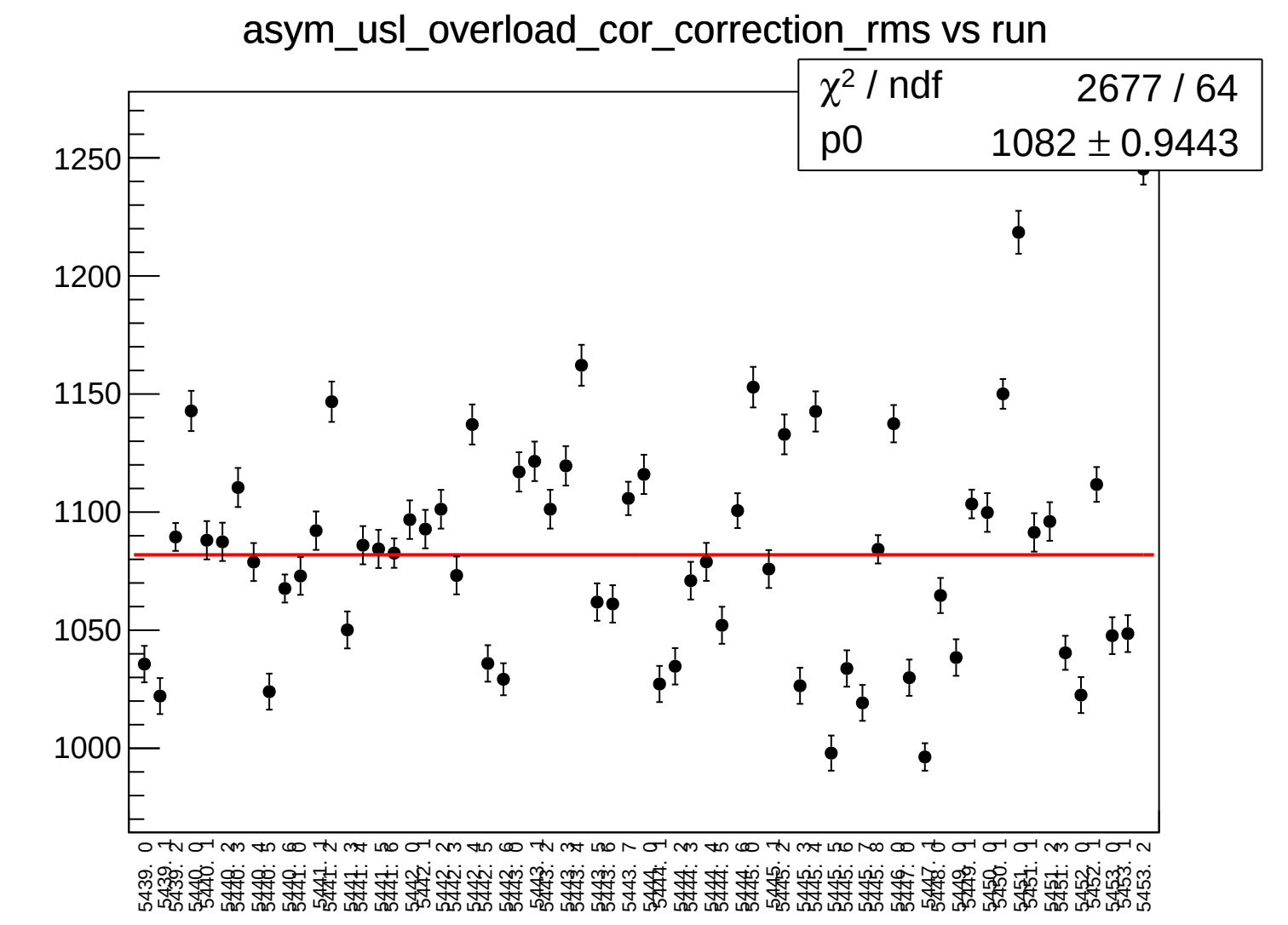

overload_cor_asym_usl_mean vs run
χ² / ndf 66.89 / 64
p0 2112 ± 1276
pull
Entries 65
Mean 1241
Std Dev 0

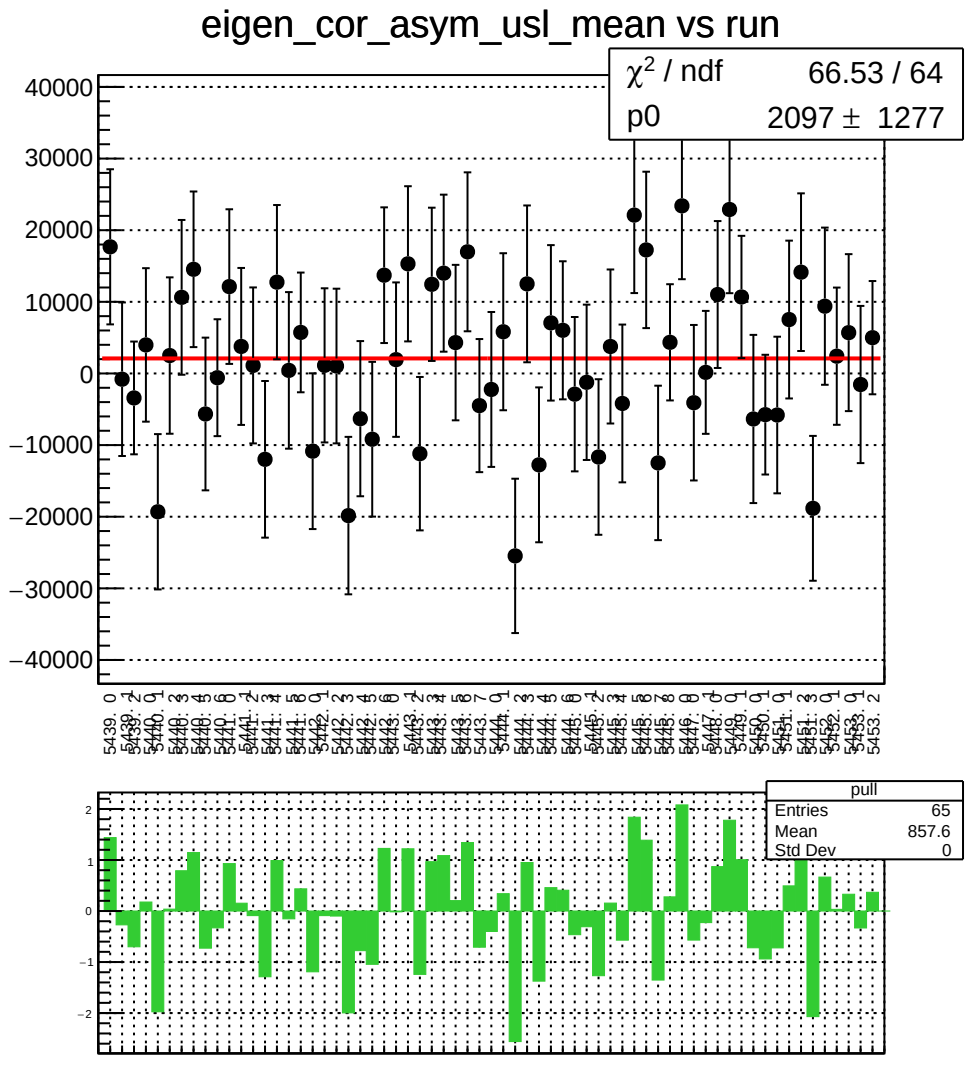

pull1D
Entries 65
Mean 0.001011
Std Dev 1.014

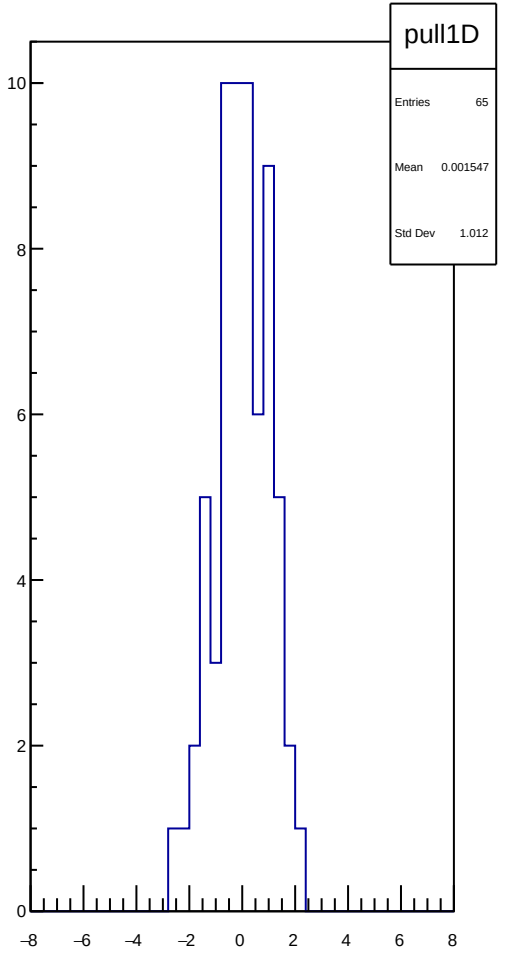

overload_cor_asym_usl_rms vs run
χ² / ndf 454.6 / 64
p0 1035 ± 0.9026
1120
1100
1080
1060
1040
1020
1000

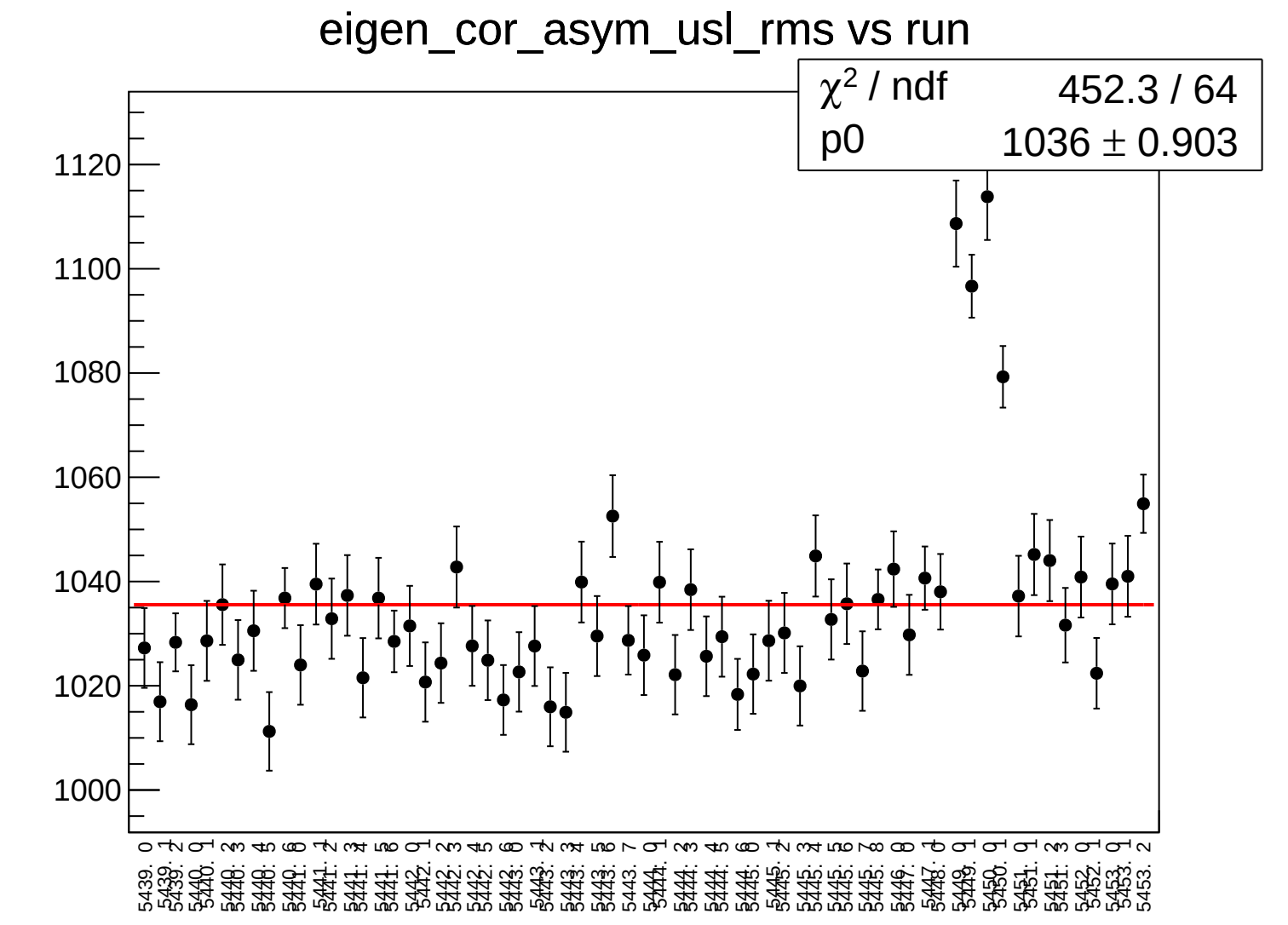

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 53.89 / 64
p0 −1436 ± 1335
pull
Entries 65
Mean −810.4
Std Dev 0

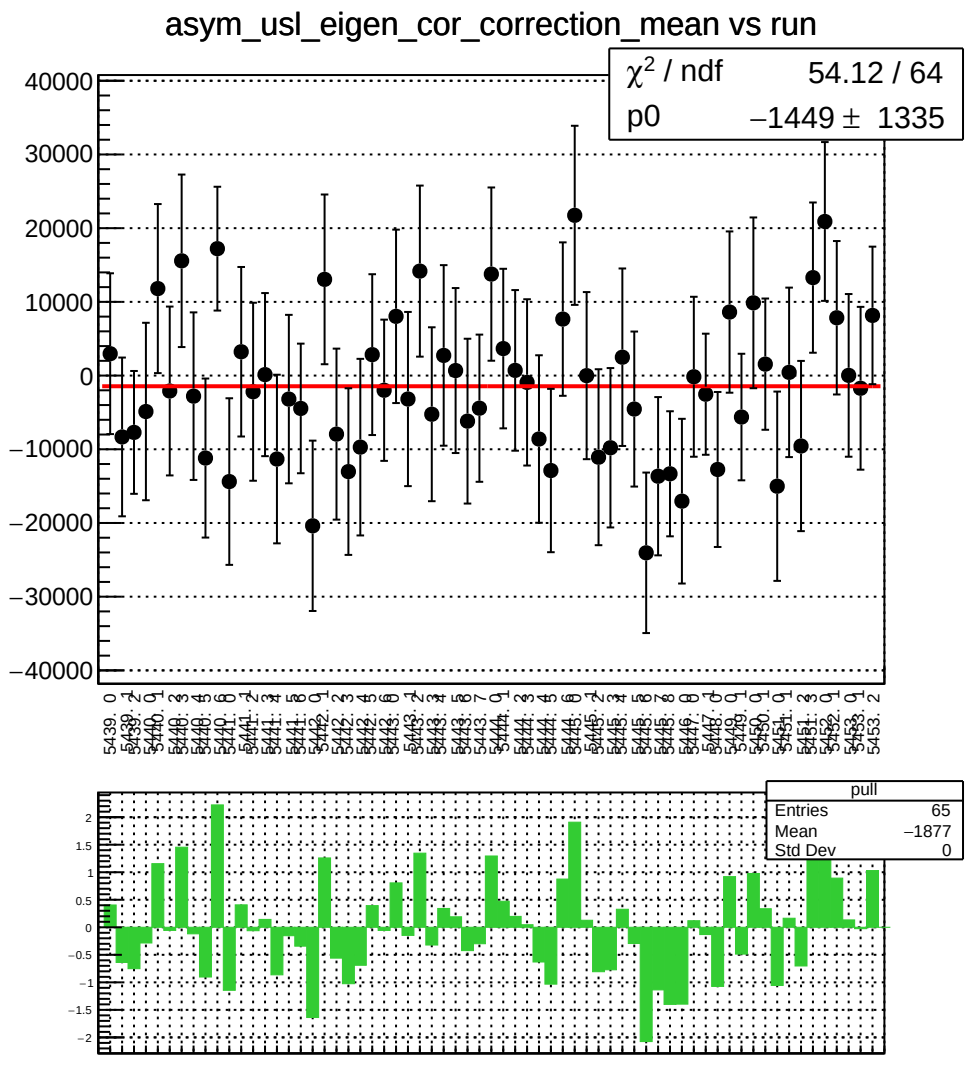

pull1D
Entries 65
Mean −0.0007992
Std Dev 0.9105

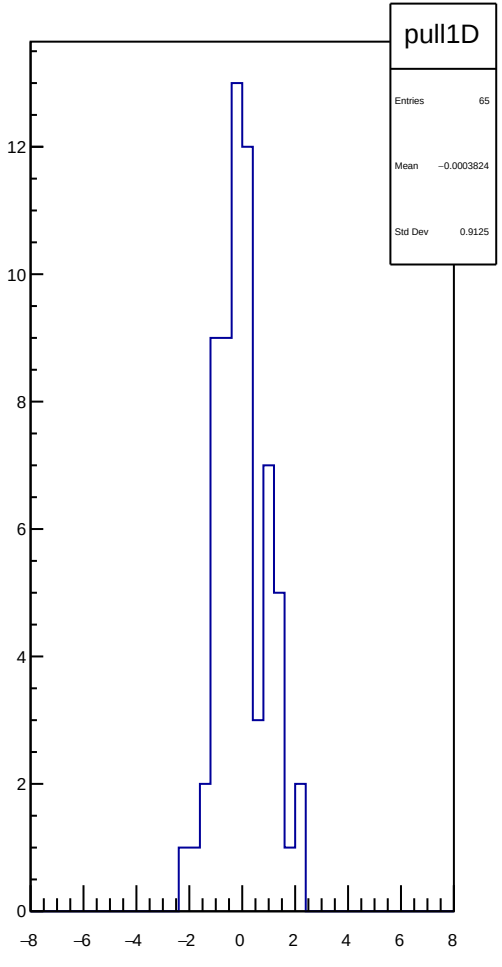

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2677 / 64
p0 1082 ± 0.9443
1250
1200
1150
1100
1050
1000

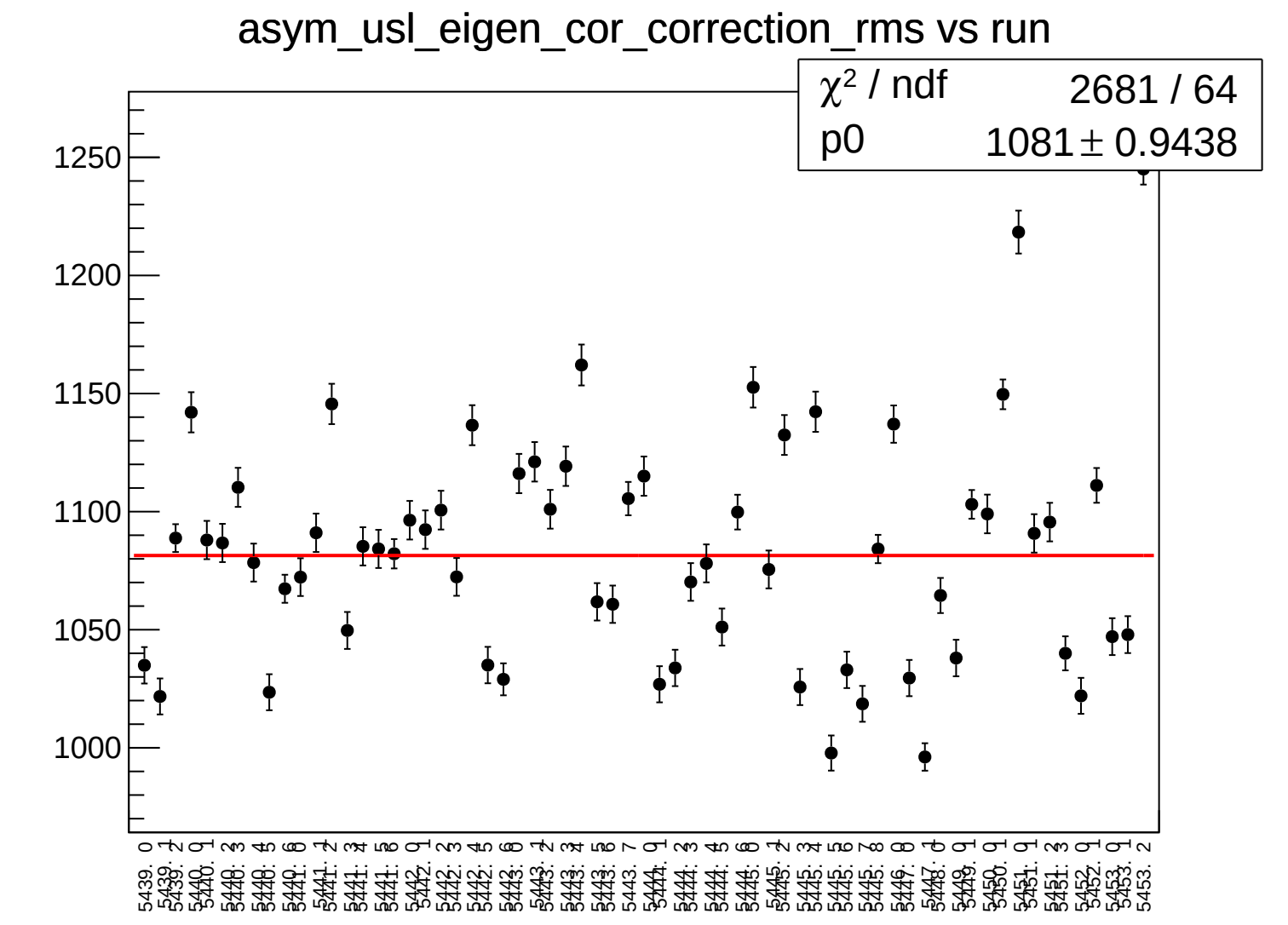

eigen_cor_asym_usl_mean vs run
χ² / ndf 66.53 / 64
p0 2097 ± 1277
pull
Entries 65
Mean 857.6
Std Dev 0

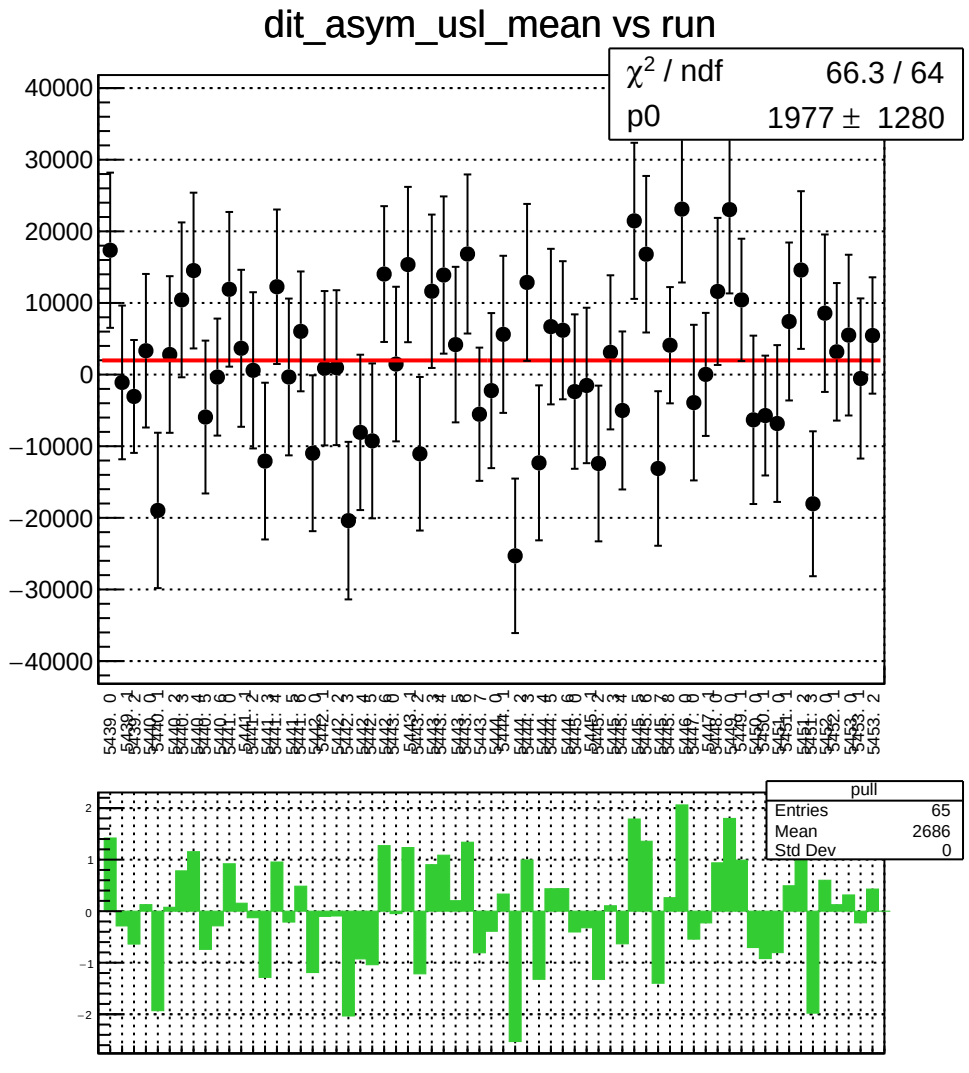

pull1D
Entries 65
Mean 0.001547
Std Dev 1.012

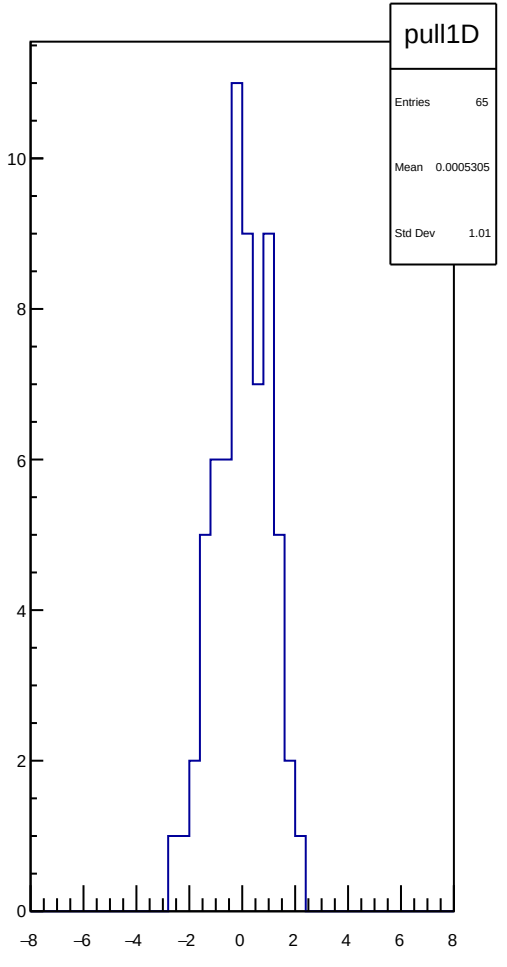

eigen_cor_asym_usl_rms vs run
χ² / ndf 452.3 / 64
p0 1036 ± 0.903
1120
1100
1080
1060
1040
1020
1000

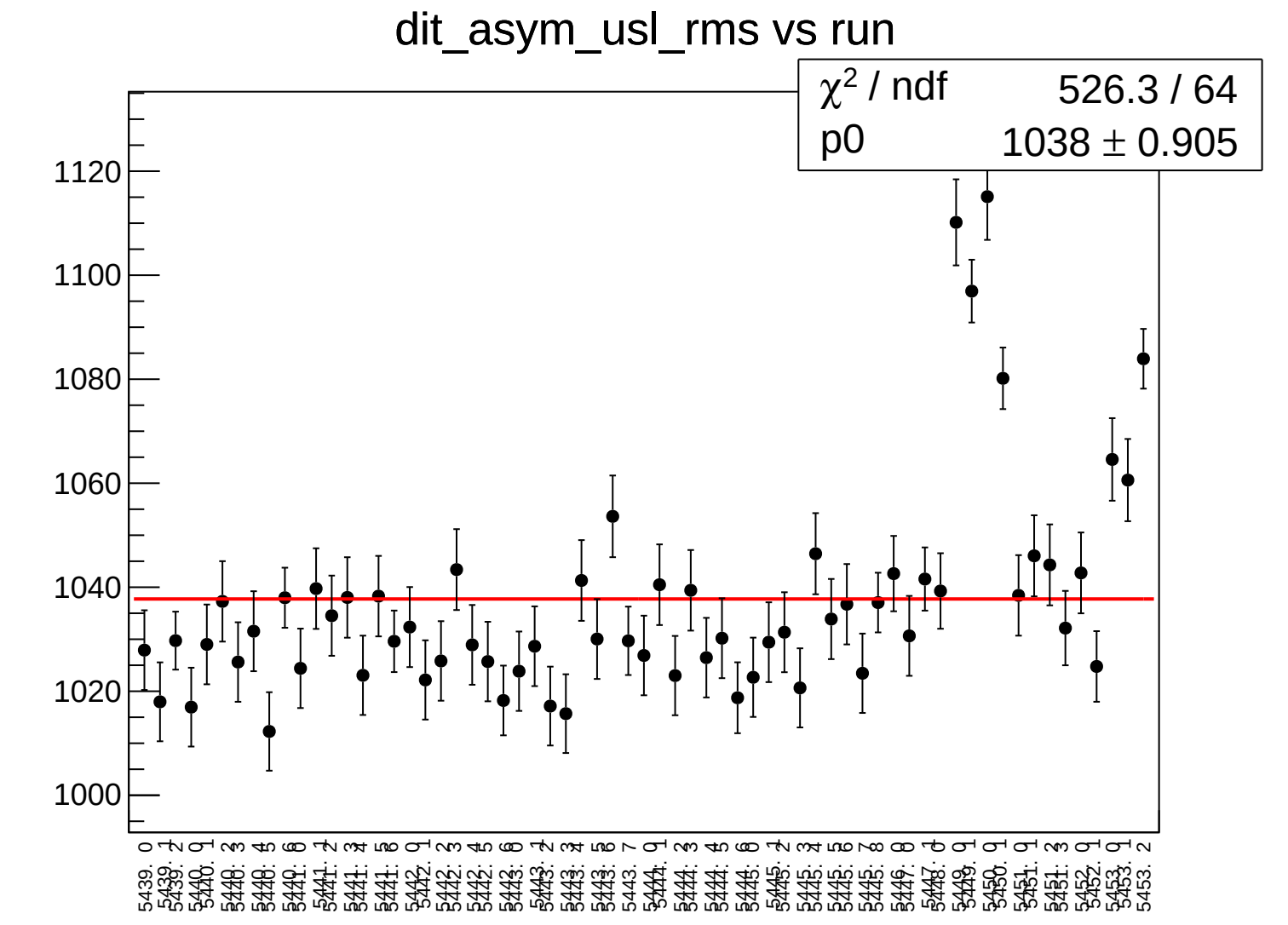

asym_usl_eigen_cor_correction_mean vs run
χ^2 / ndf 54.12 / 64
p0 −1449 ± 1335
pull
Entries 65
Mean −1877
Std Dev 0

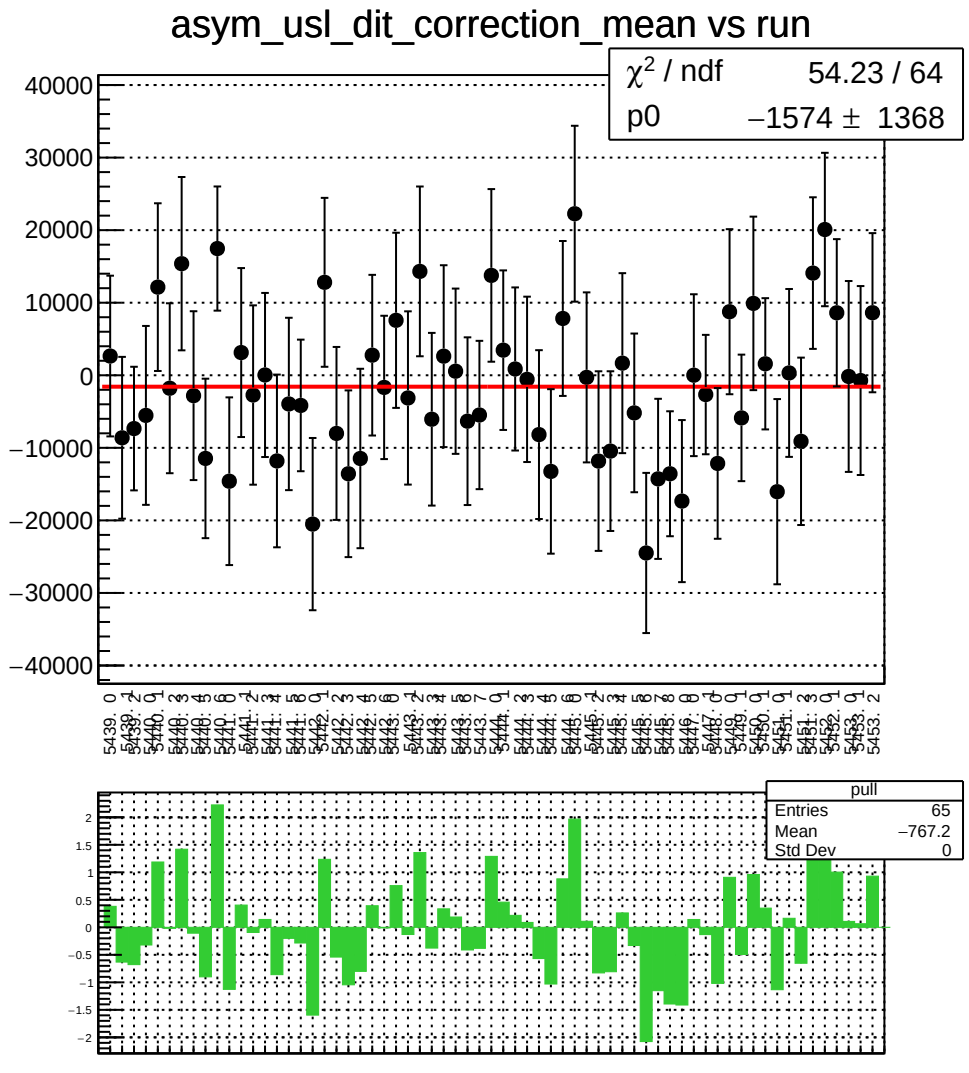

pull1D
Entries 65
Mean −0.0003824
Std Dev 0.9125

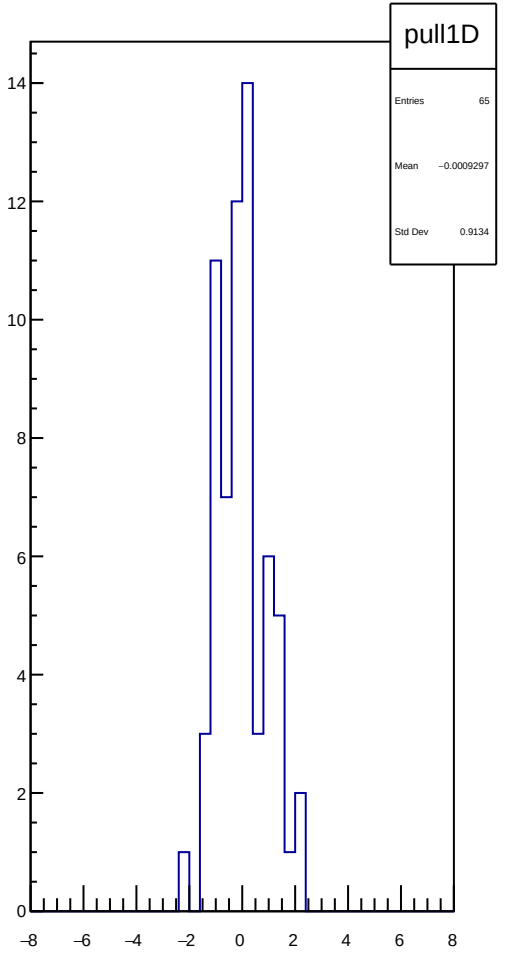

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2681 / 64
p0 1081 ± 0.9438
1250
1200
1150
1100
1050
1000

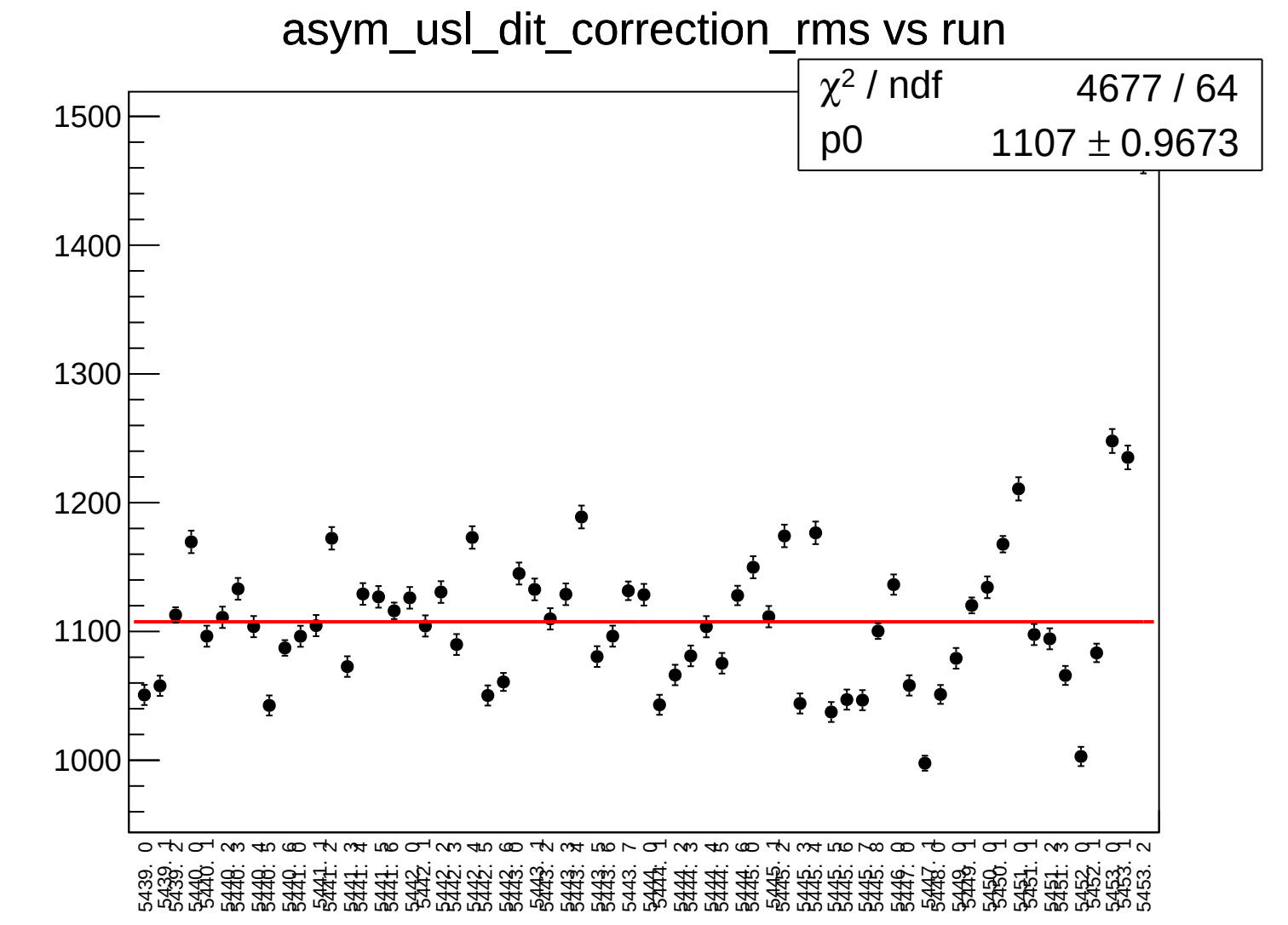

dit_asym_usl_mean vs run
χ² / ndf 66.3 / 64
p0 1977 ± 1280
pull
Entries 65
Mean 2686
Std Dev 0

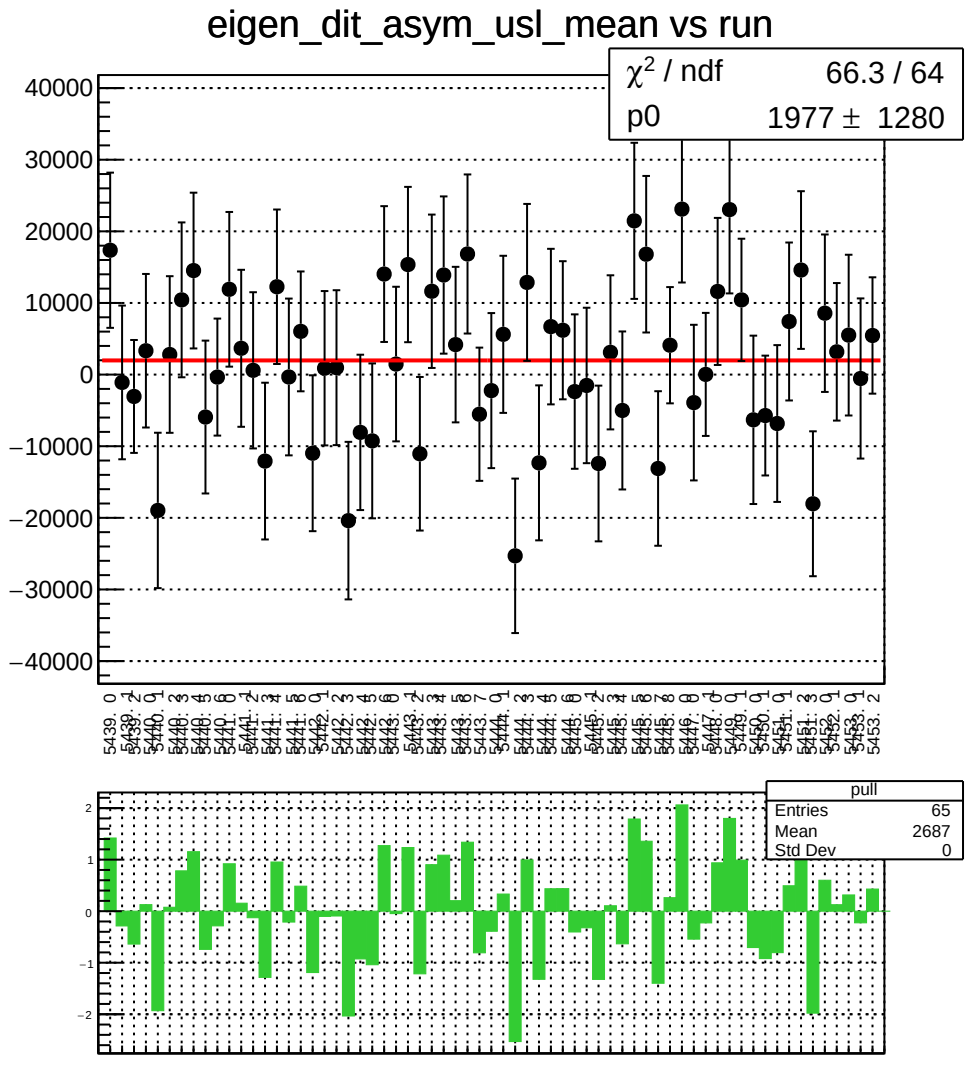

pull1D
Entries 65
Mean 0.0005305
Std Dev 1.01

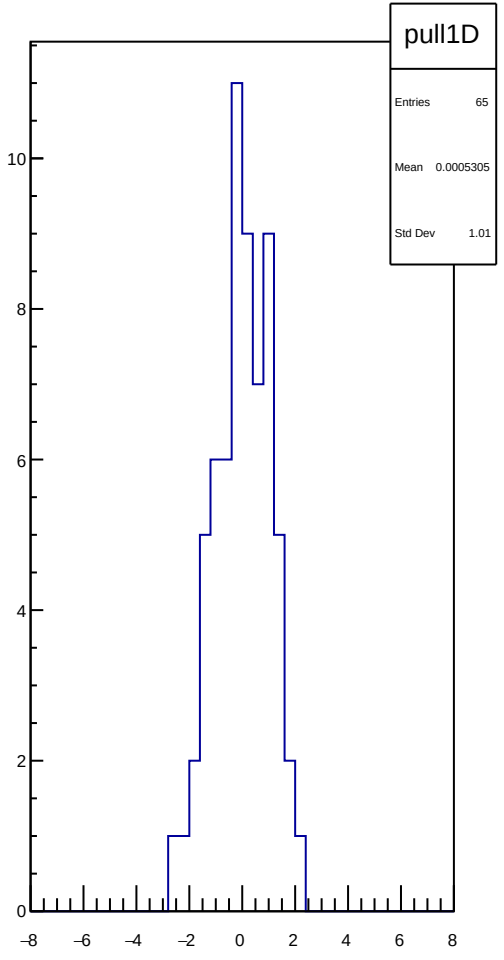

dit_asym_usl_rms vs run
χ² / ndf 526.3 / 64
p0 1038 ± 0.905
1120
1100
1080
1060
1040
1020
1000

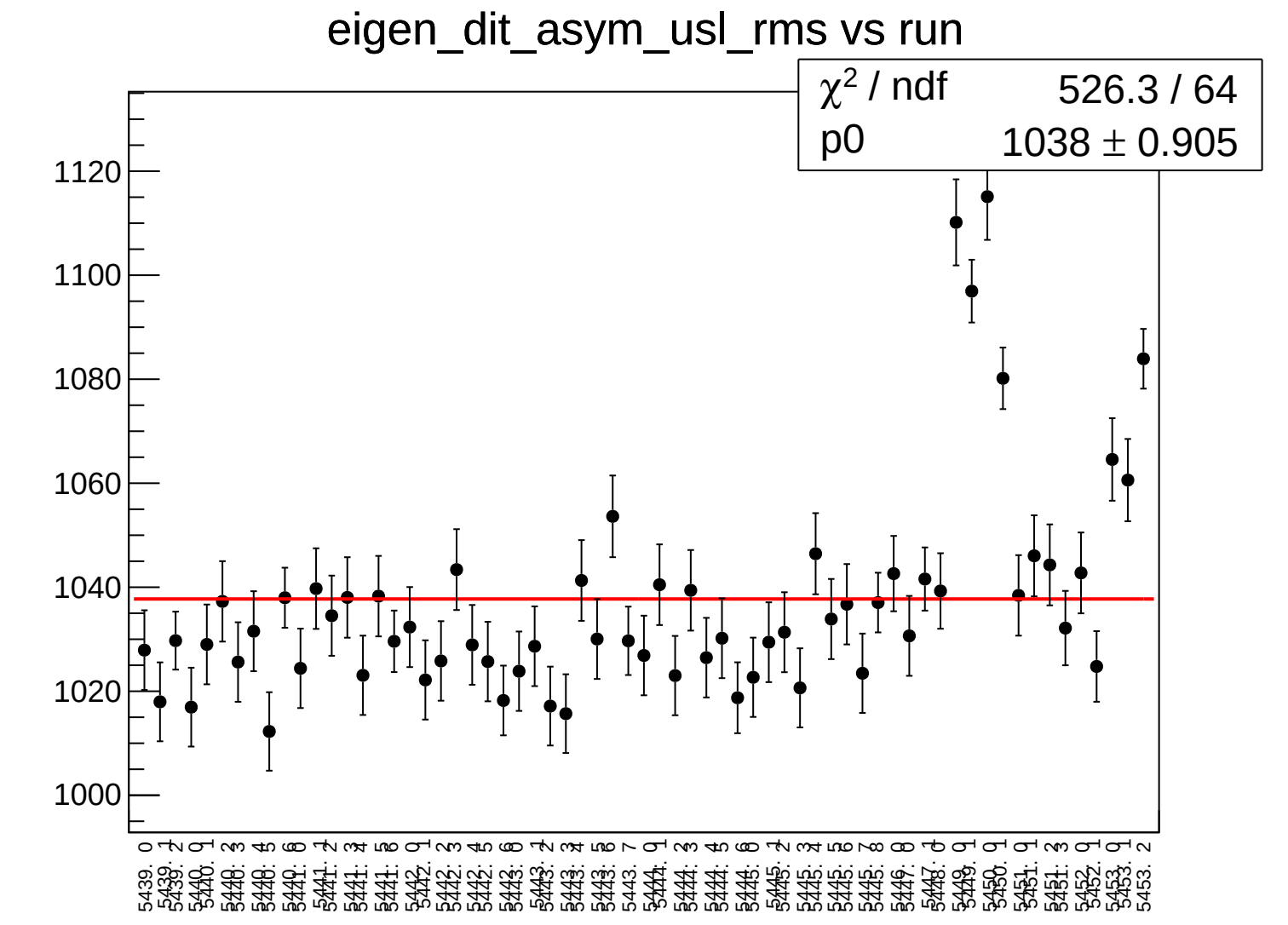

asym_usl_dit_correction_mean vs run
χ² / ndf 54.23 / 64
p0 −1574 ± 1368
pull
Entries 65
Mean −767.2
Std Dev 0

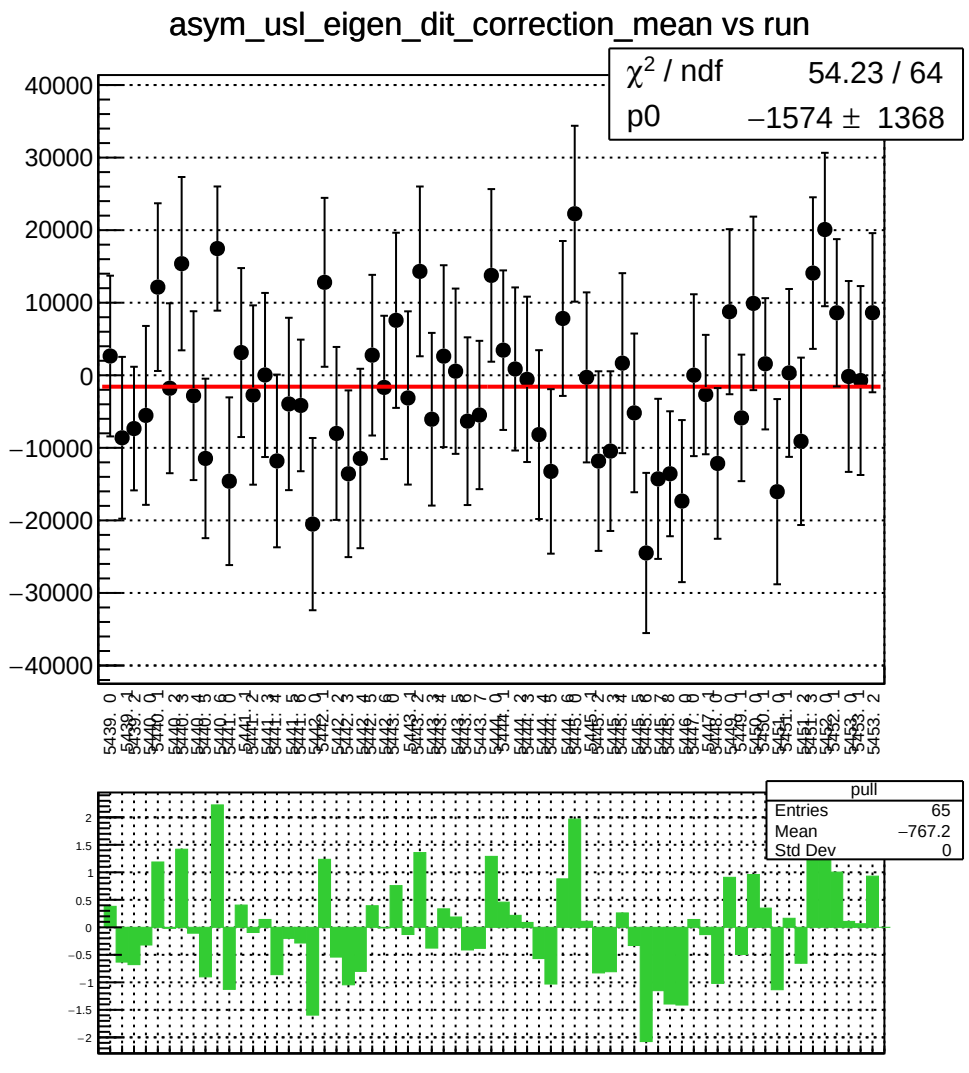

pull1D
Entries 65
Mean −0.0009297
Std Dev 0.9134

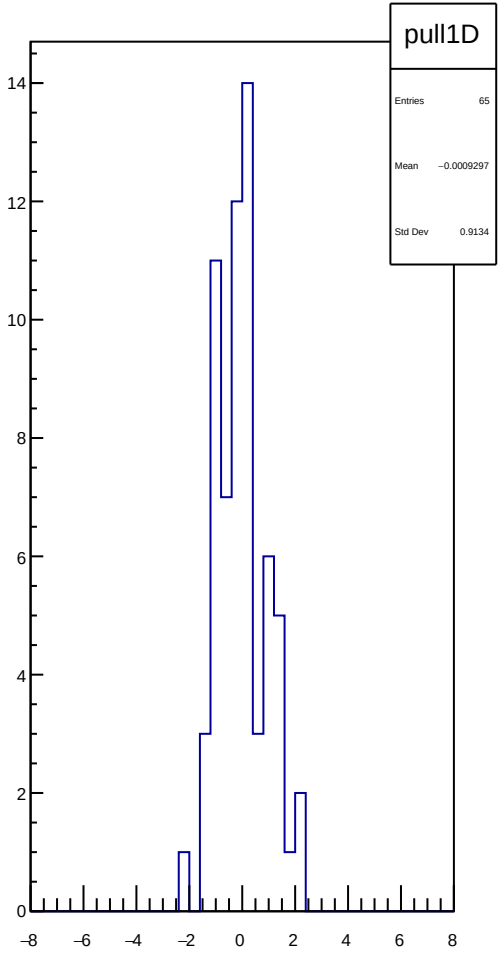

asym_usl_dit_correction_rms vs run
χ² / ndf 4677 / 64
p0 1107 ± 0.9673
1500
1400
1300
1200
1100
1000

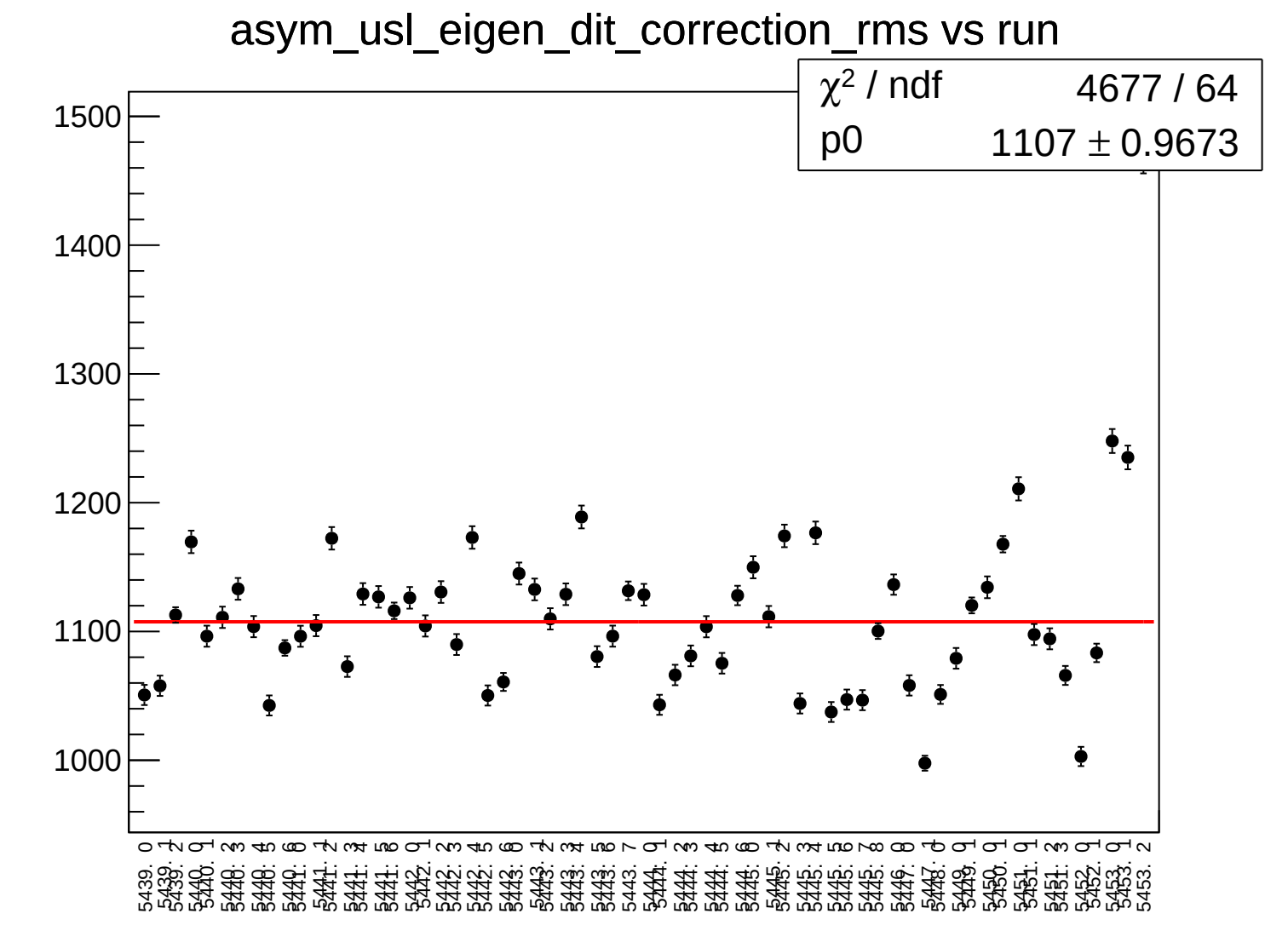

eigen_dit_asym_usl_mean vs run
χ² / ndf 66.3 / 64
p0 1977 ± 1280
pull
Entries 65
Mean 2687
Std Dev 0

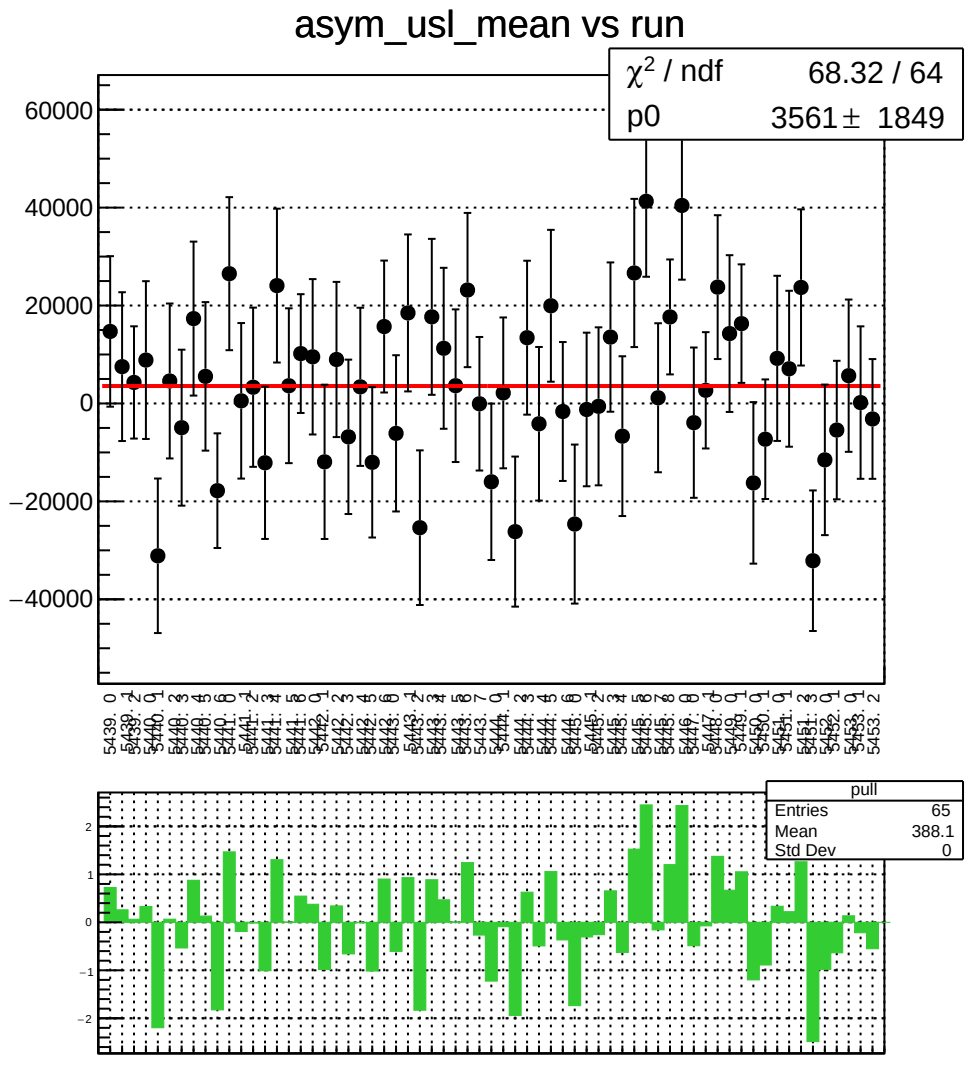

pull1D
Entries 65
Mean 0.0005305
Std Dev 1.01

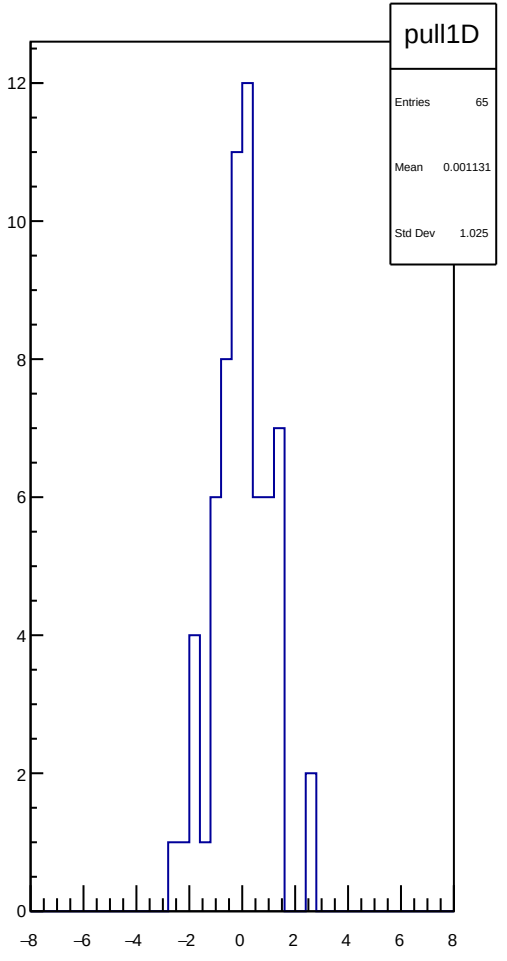

eigen_dit_asym_usl_rms vs run
χ² / ndf 526.3 / 64
p0 1038 ± 0.905
1120
1100
1080
1060
1040
1020
1000

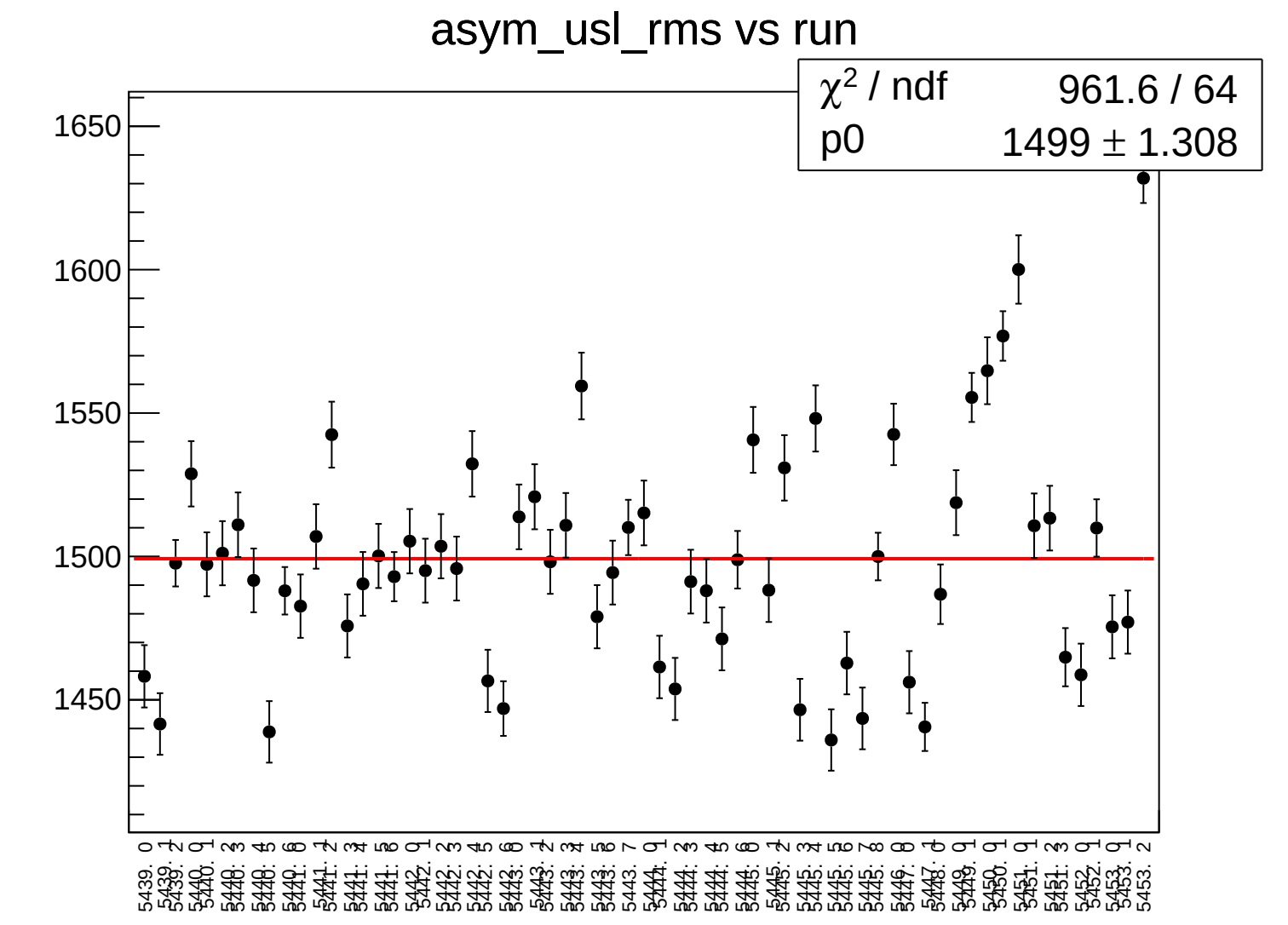

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 54.23 / 64
p0 −1574 ± 1368
pull
Entries 65
Mean −767.2
Std Dev 0

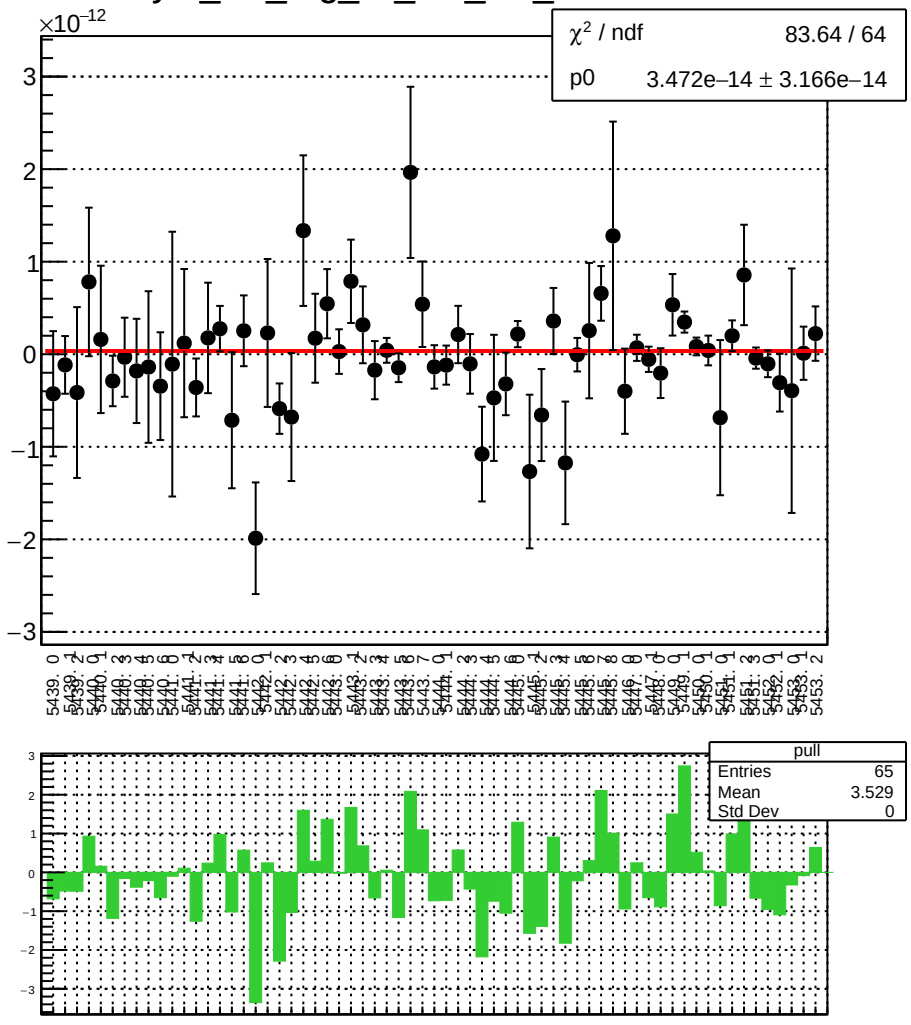

pull1D
Entries 65
Mean −0.0009297
Std Dev 0.9134

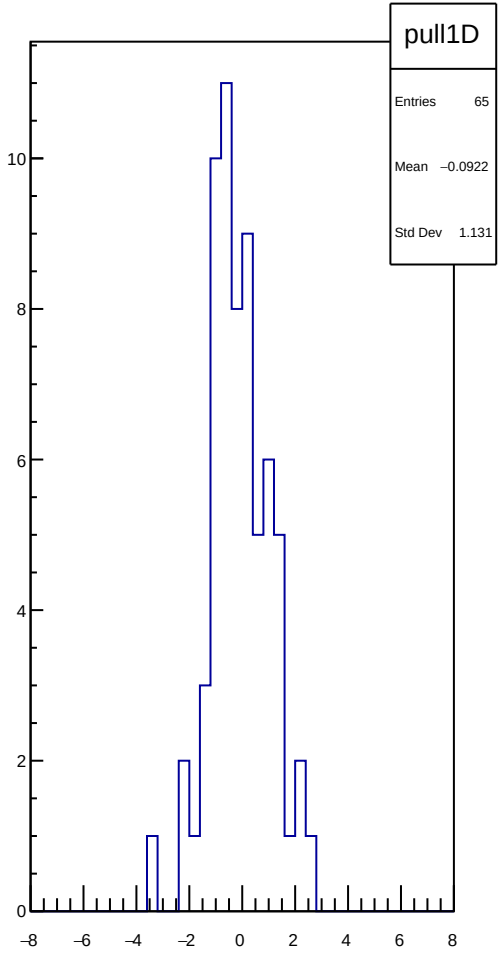

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 4677 / 64
p0 1107 ± 0.9673
1500
1400
1300
1200
1100
1000

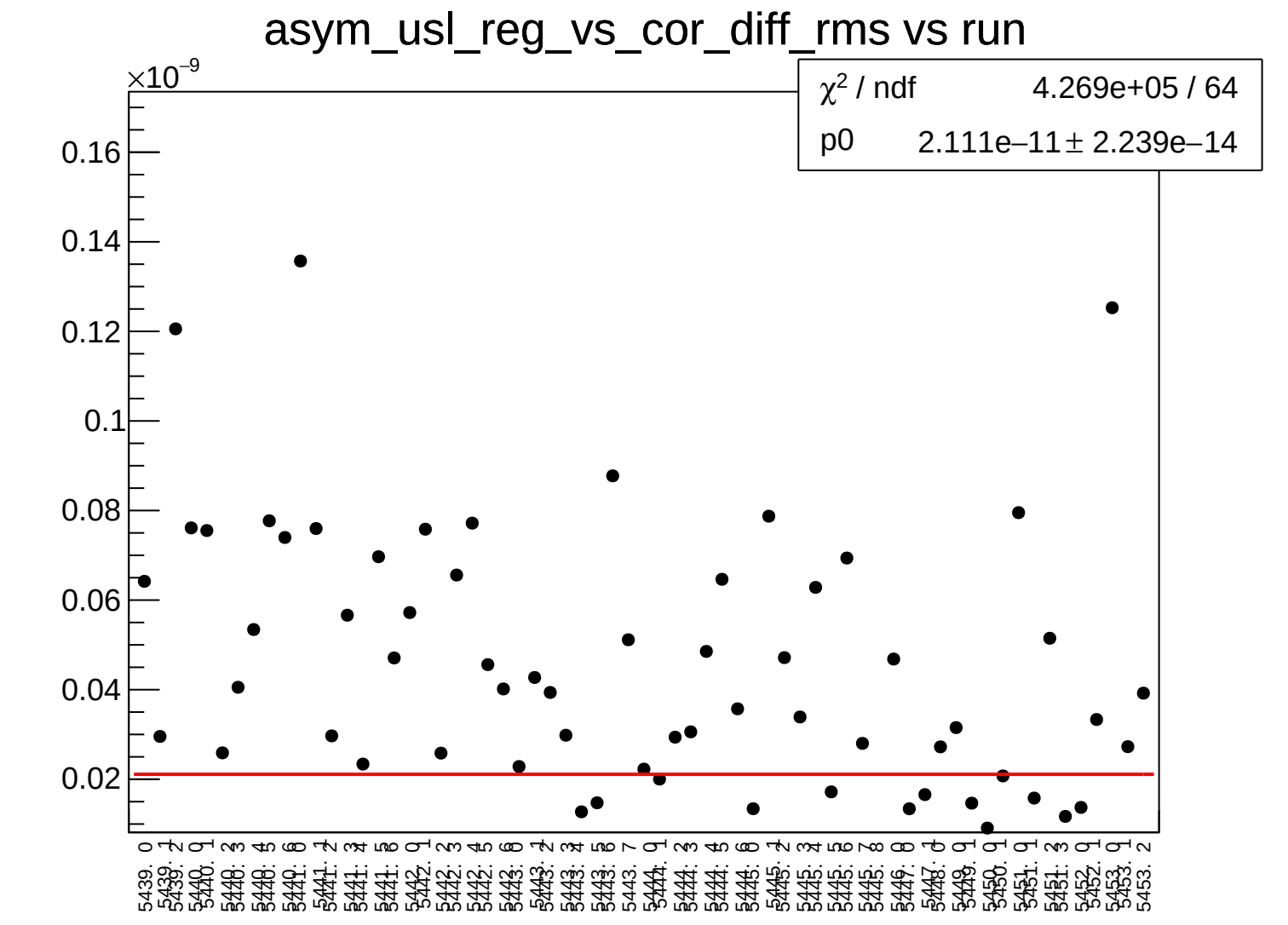

asym_usl_mean vs run
χ² / ndf 68.32 / 64
p0 3561 ± 1849
60000
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 388.1
Std Dev 0
2
1
0
−1
−2

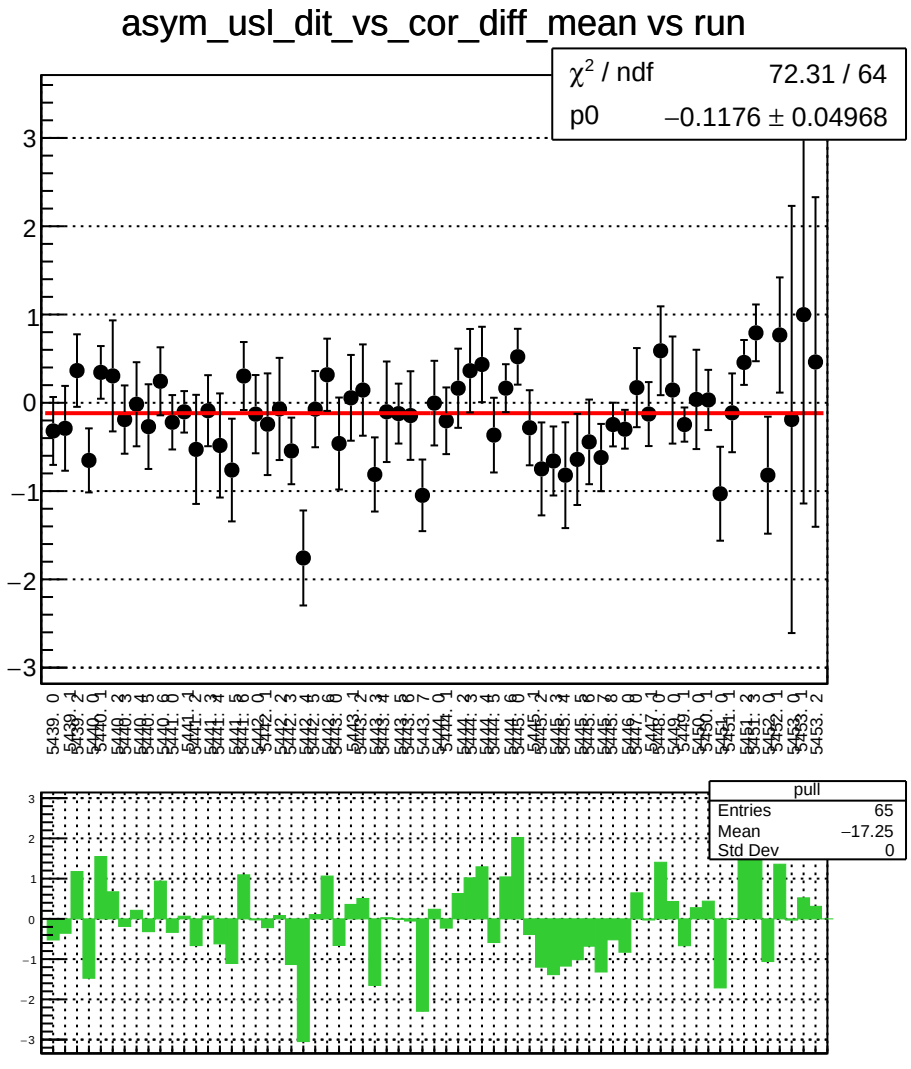

pull1D
Entries 65
Mean 0.001131
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

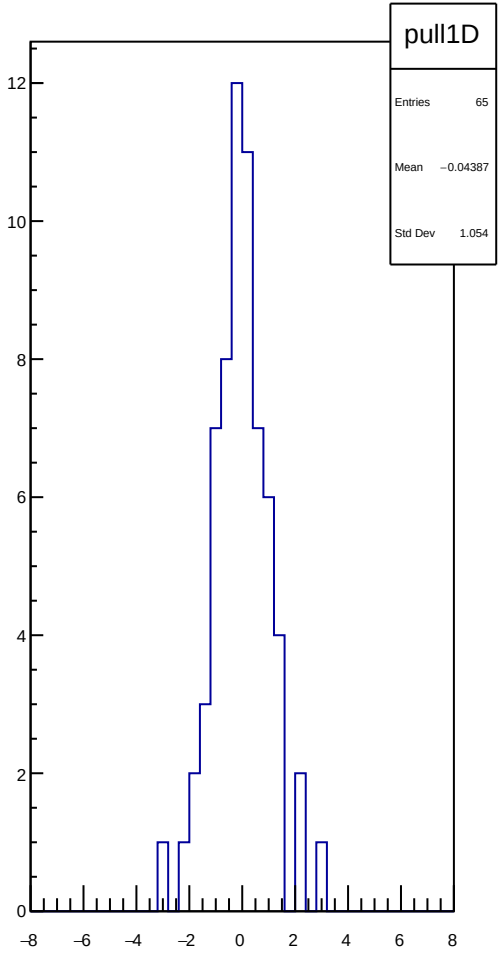

asym_usl_rms vs run
χ² / ndf 961.6 / 64
p0 1499 ± 1.308
1650
1600
1550
1500
1450

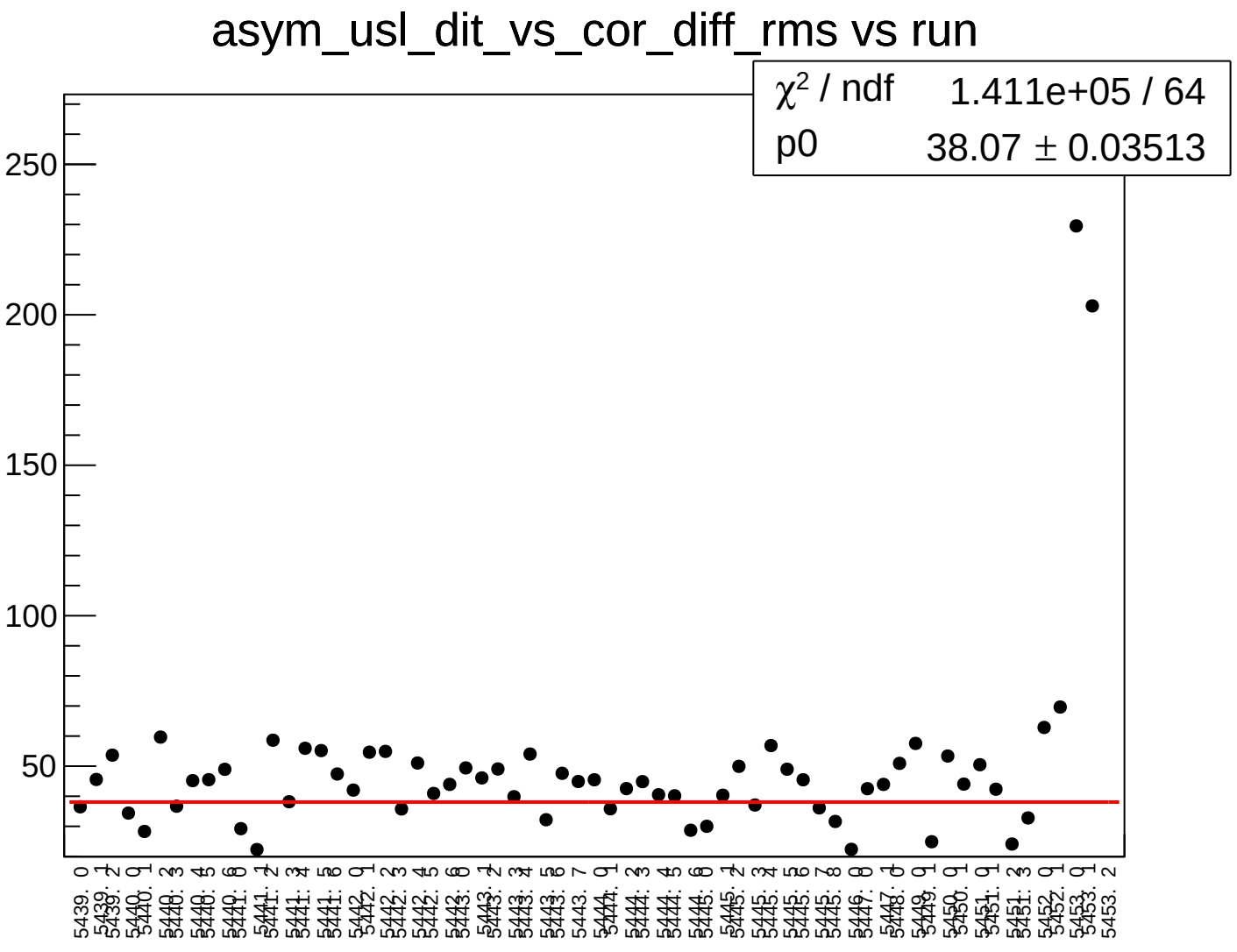

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.64 / 64
p0 3.472e−14 ± 3.166e−14
pull
Entries 65
Mean 3.529
Std Dev 0

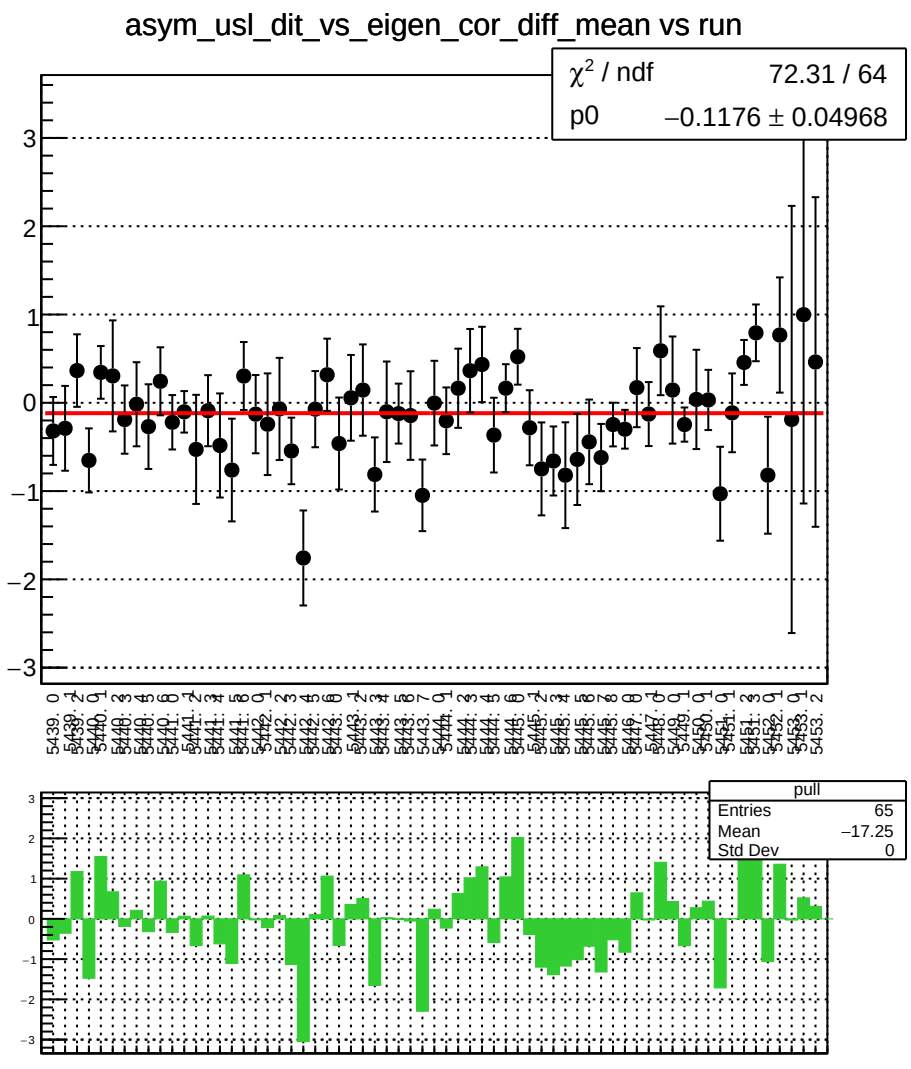

pull1D
Entries 65
Mean −0.0922
Std Dev 1.131

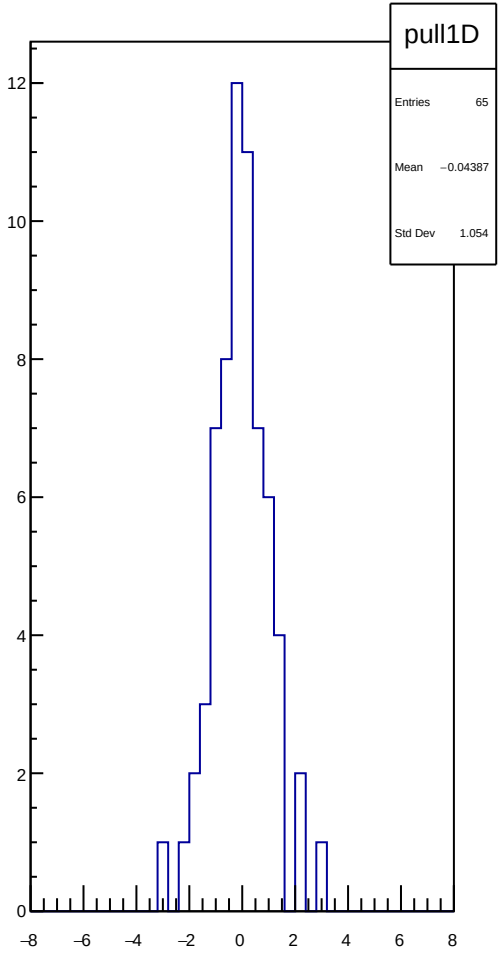

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.269e+05 / 64
p0 2.111e−11 ± 2.239e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

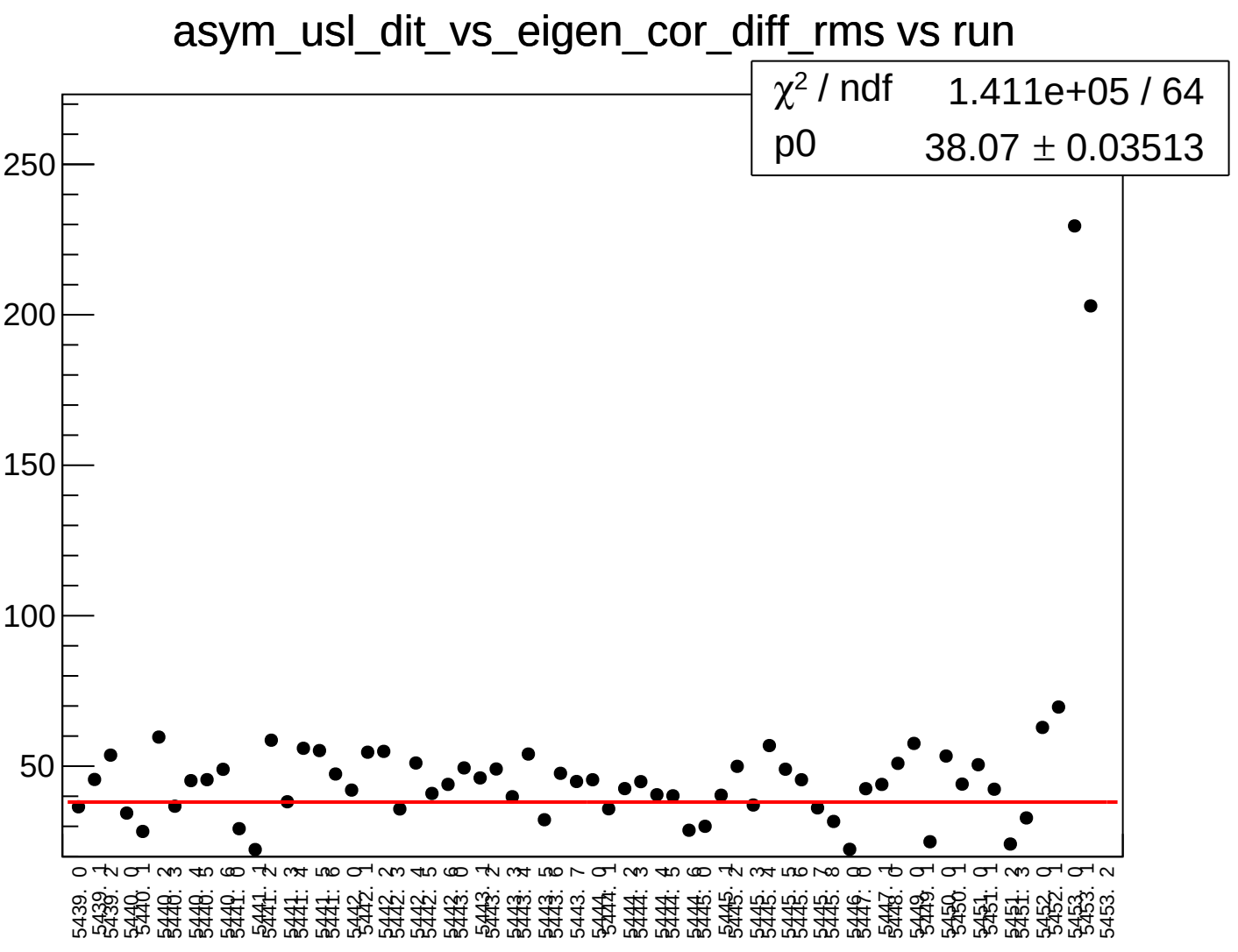

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 72.31 / 64
p0 −0.1176 ± 0.04968
pull
Entries 65
Mean −17.25
Std Dev 0

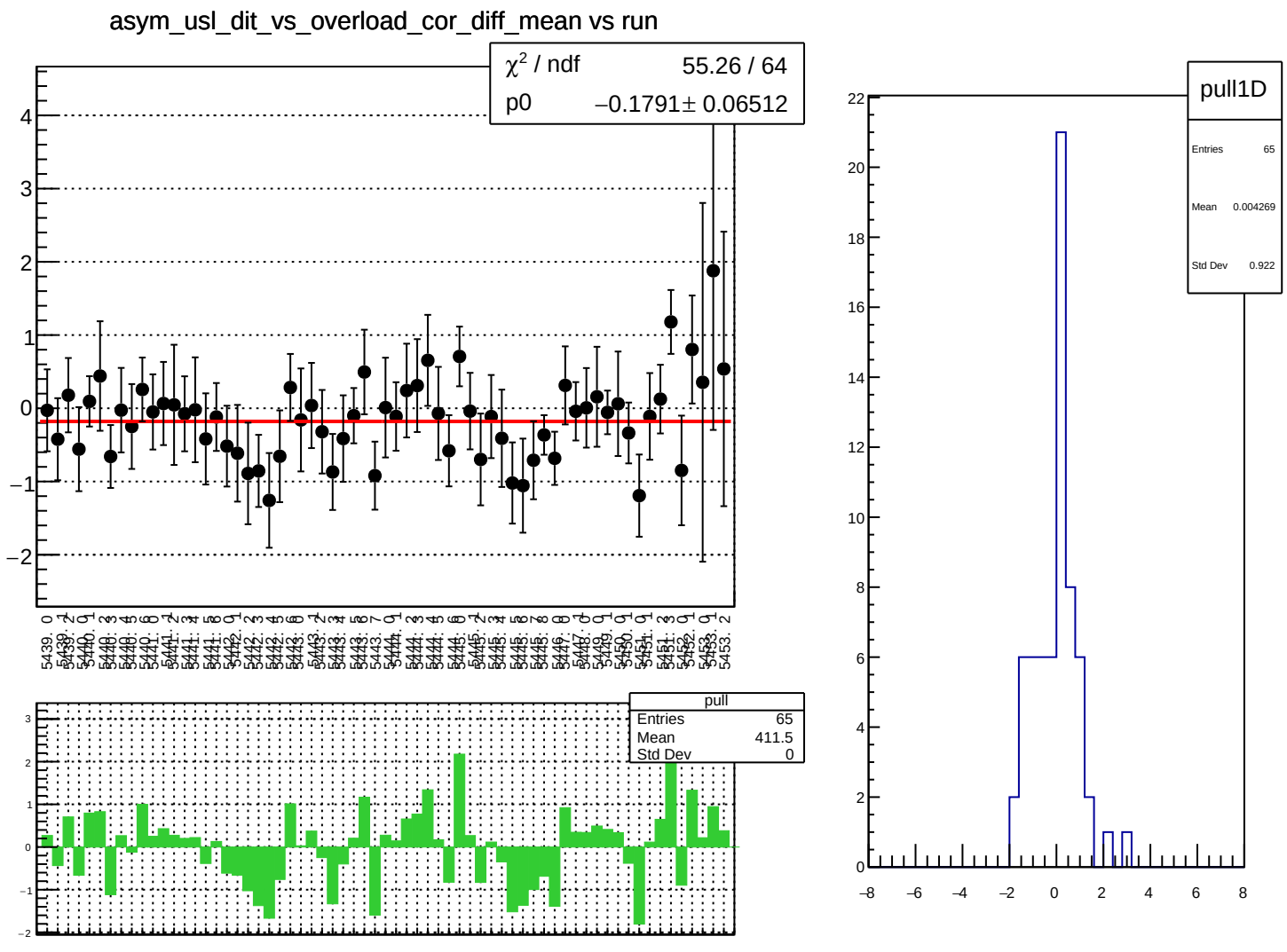

pull1D
Entries 65
Mean −0.04387
Std Dev 1.054

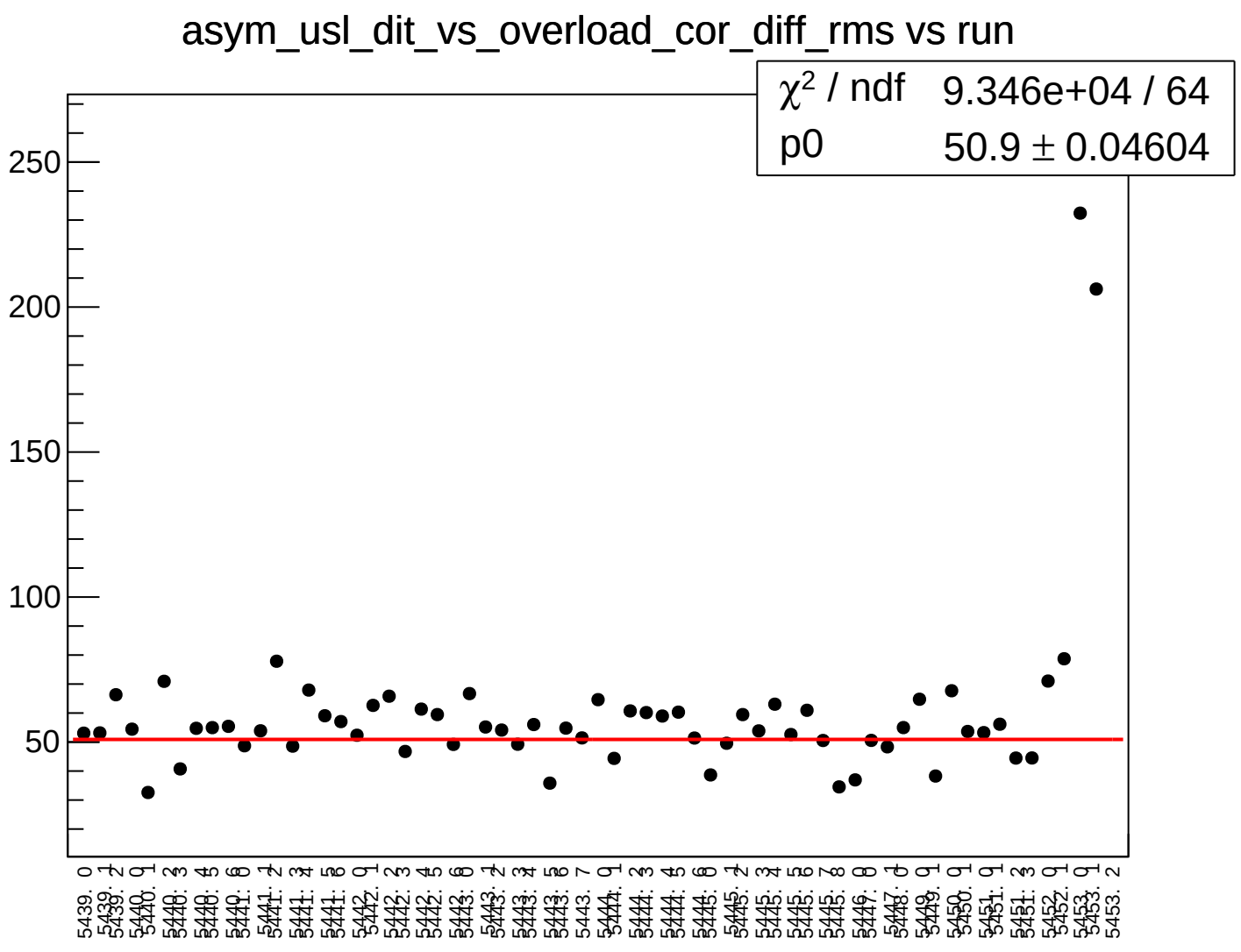

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.411e+05 / 64
p0 38.07 ± 0.03513
250
200
150
100
50

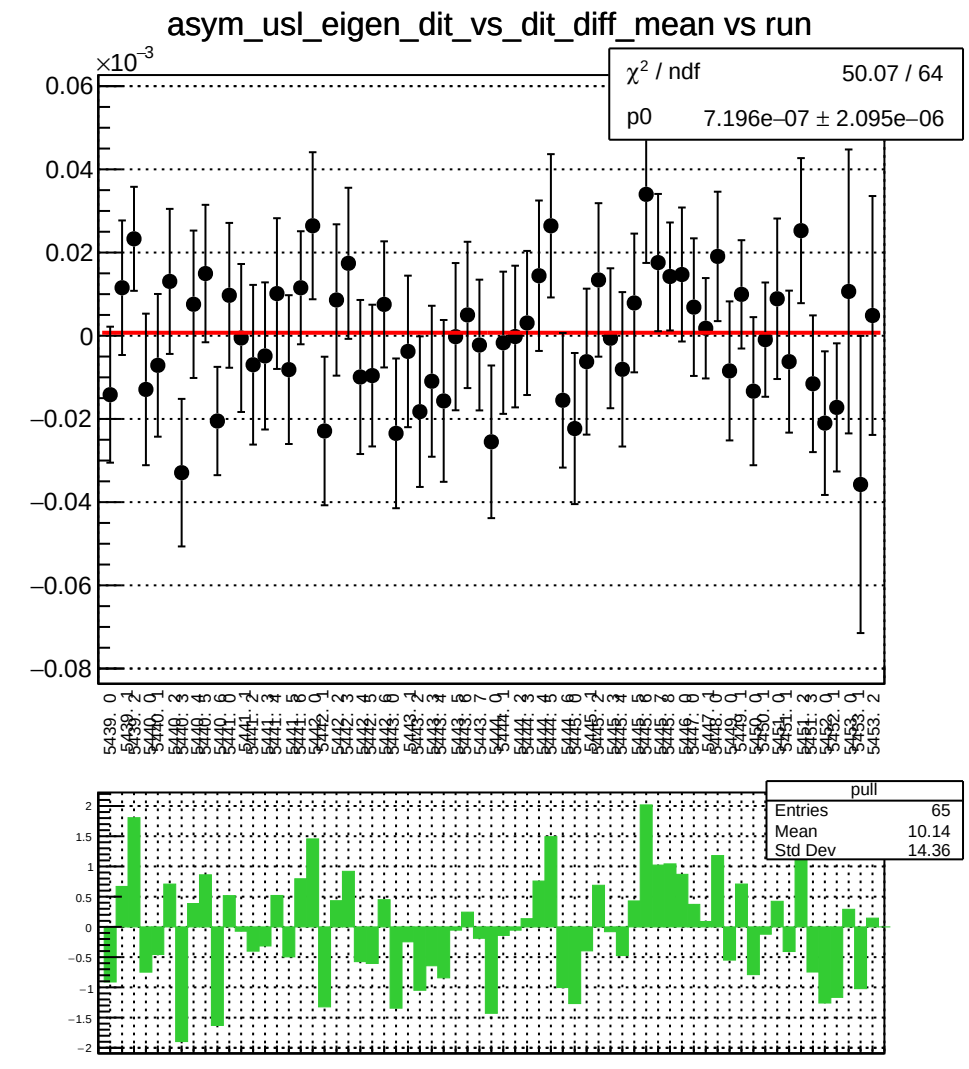

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.31 / 64
p0 −0.1176 ± 0.04968
pull
Entries 65
Mean −17.25
Std Dev 0

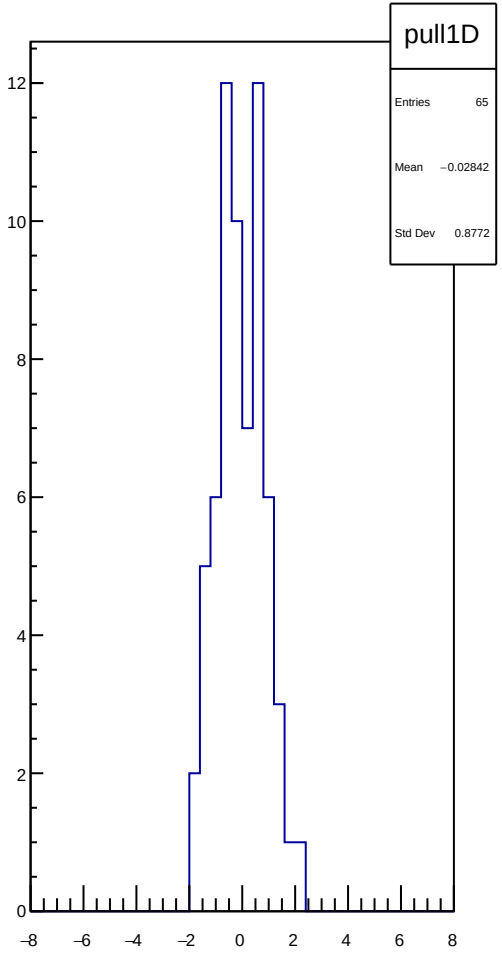

pull1D
Entries 65
Mean −0.04387
Std Dev 1.054

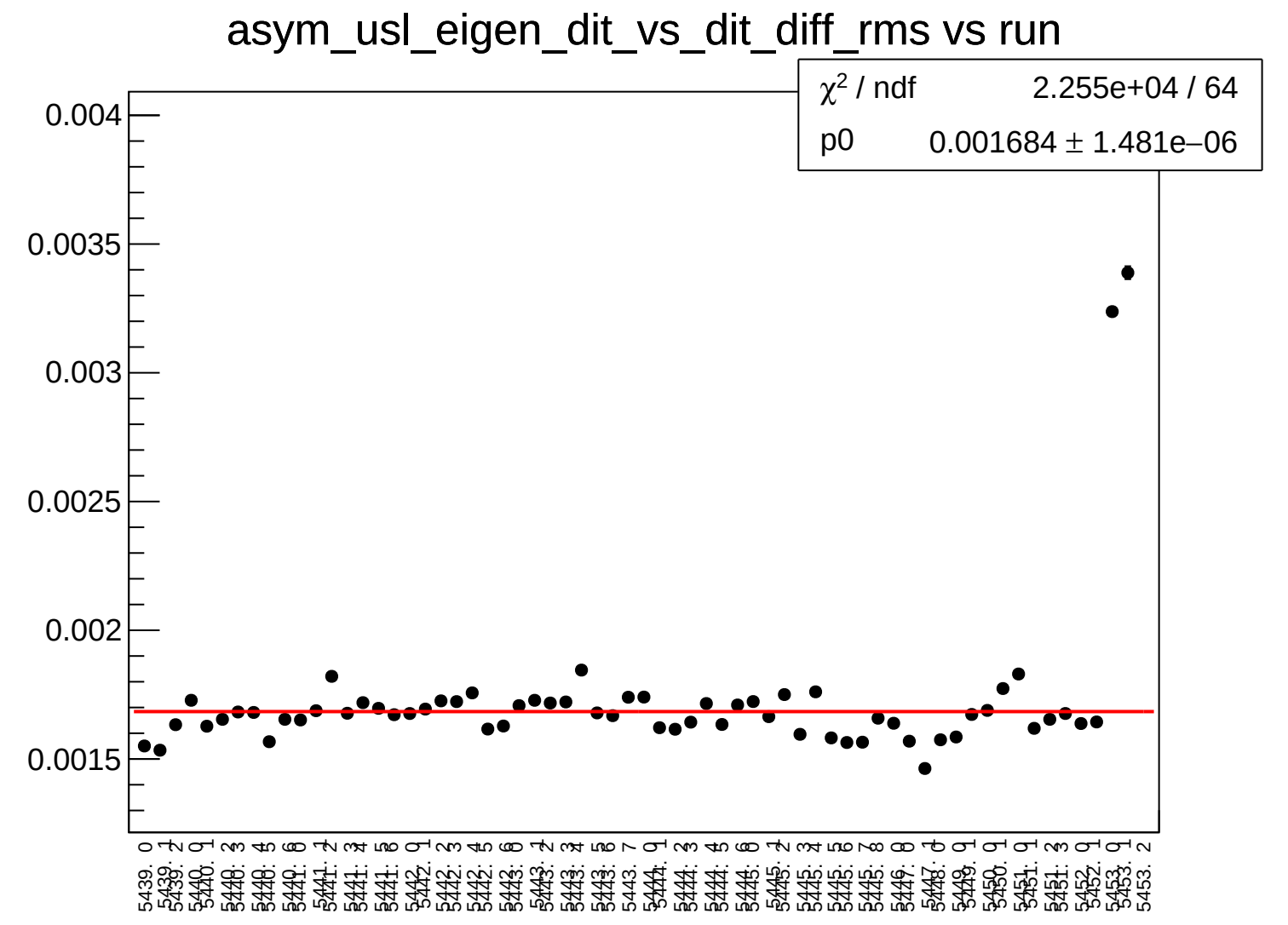

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.411e+05 / 64
p0 38.07 ± 0.03513
250
200
150
100
50

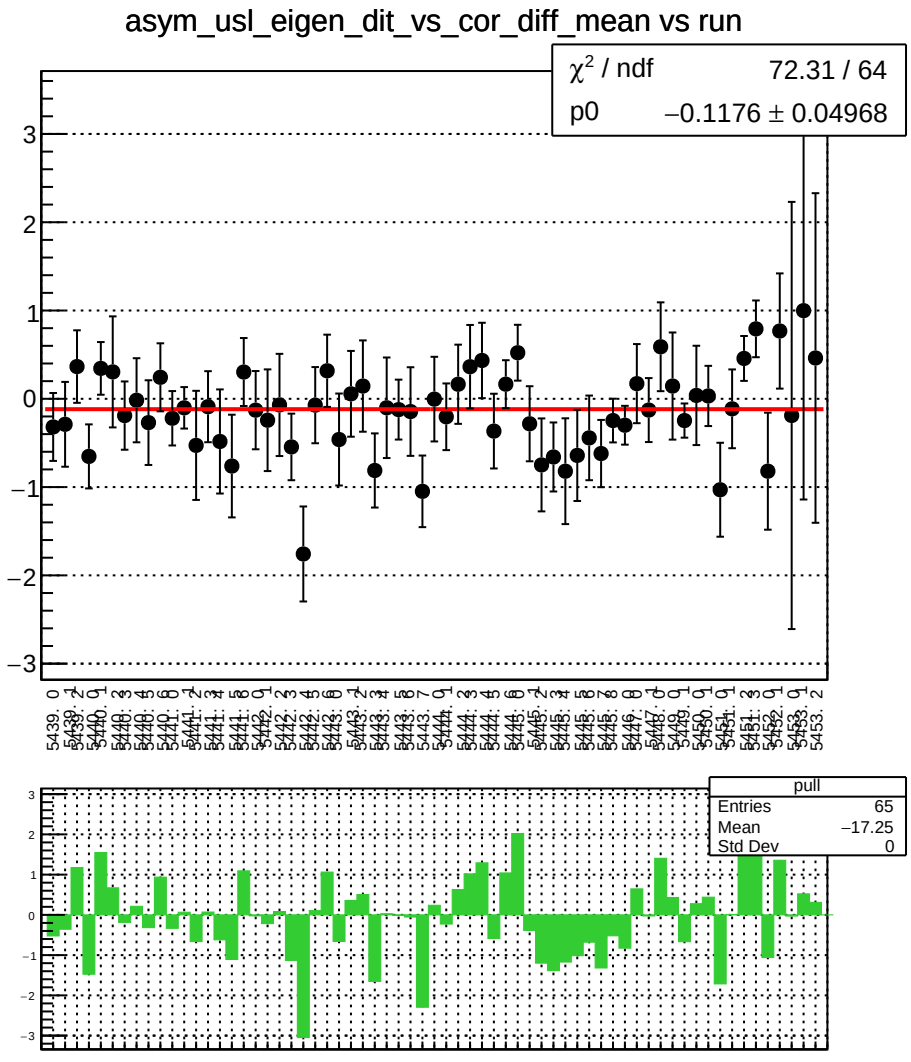

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 55.26 / 64
p0 −0.1791± 0.06512
pull
Entries 65
Mean 411.5
Std Dev 0
pull1D
Entries 65
Mean 0.004269
Std Dev 0.922

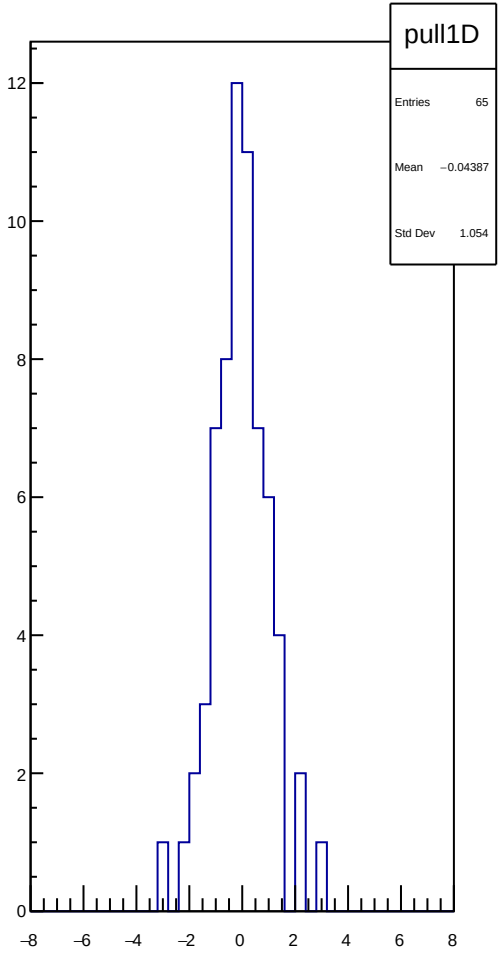

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 9.346e+04 / 64
p0 50.9 ± 0.04604
250
200
150
100
50

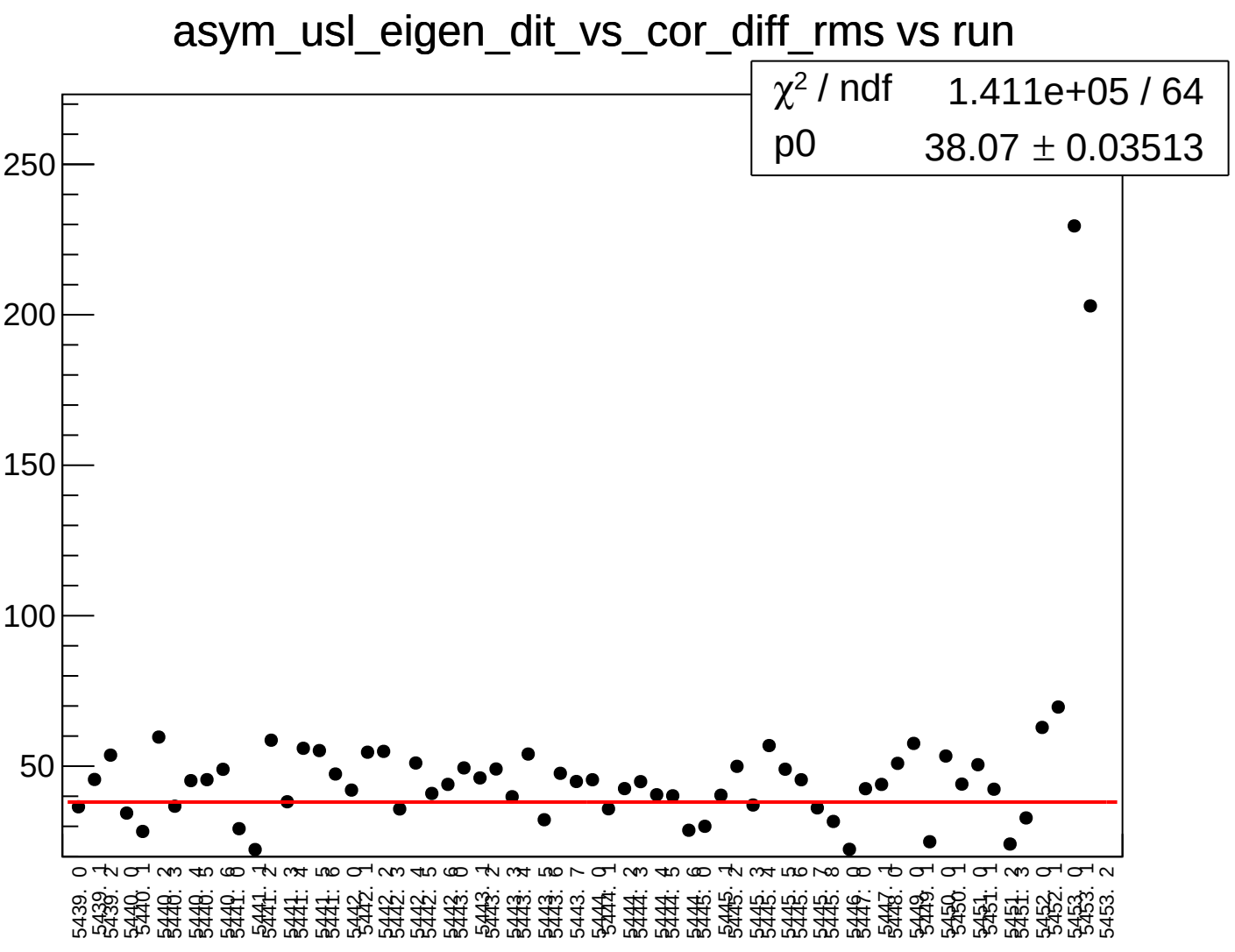

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.07 / 64
p0 7.196e−07 ± 2.095e−06
pull
Entries 65
Mean 10.14
Std Dev 14.36

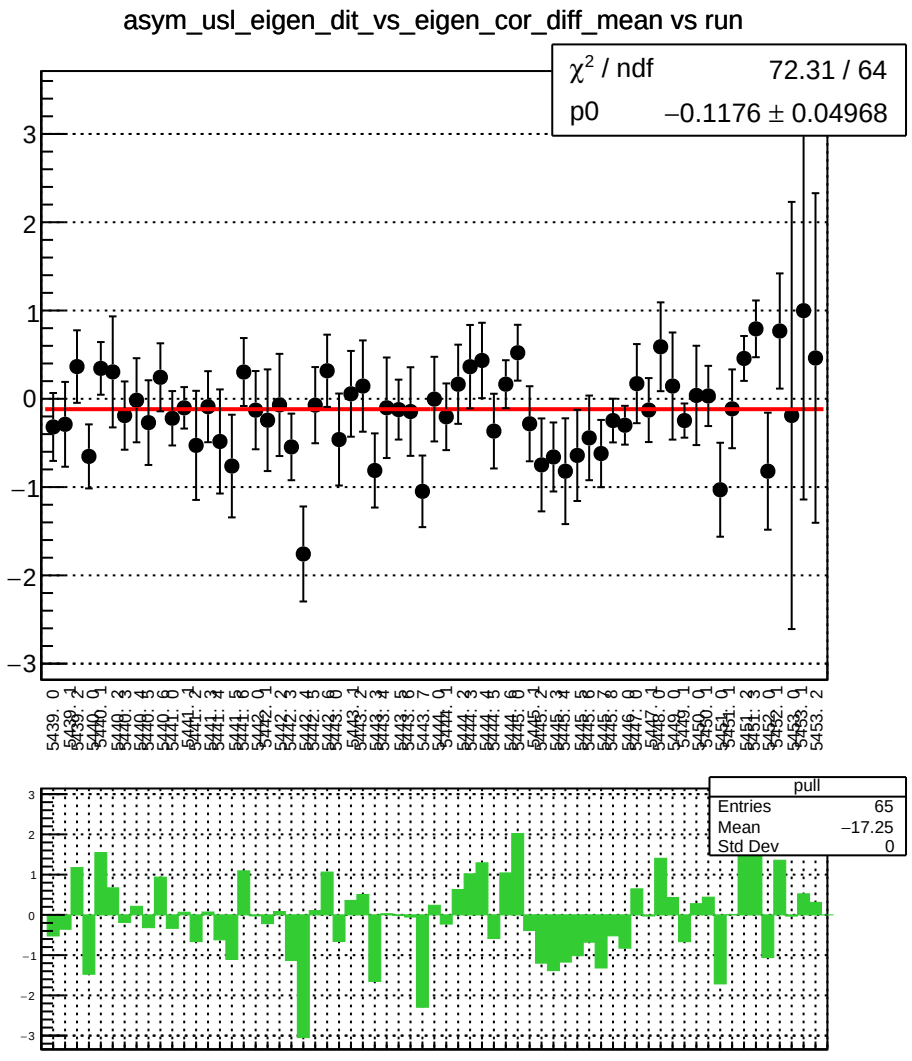

pull1D
Entries 65
Mean −0.02842
Std Dev 0.8772

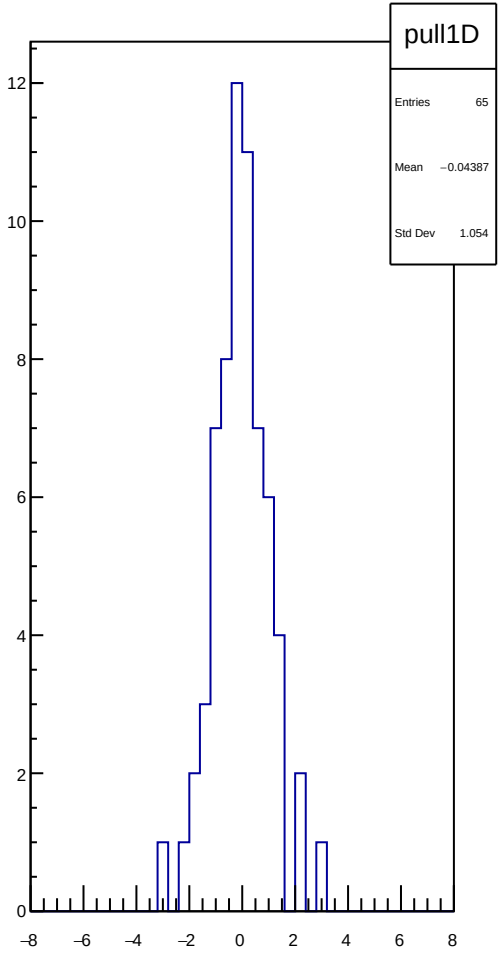

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.255e+04 / 64
p0 0.001684 ± 1.481e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015

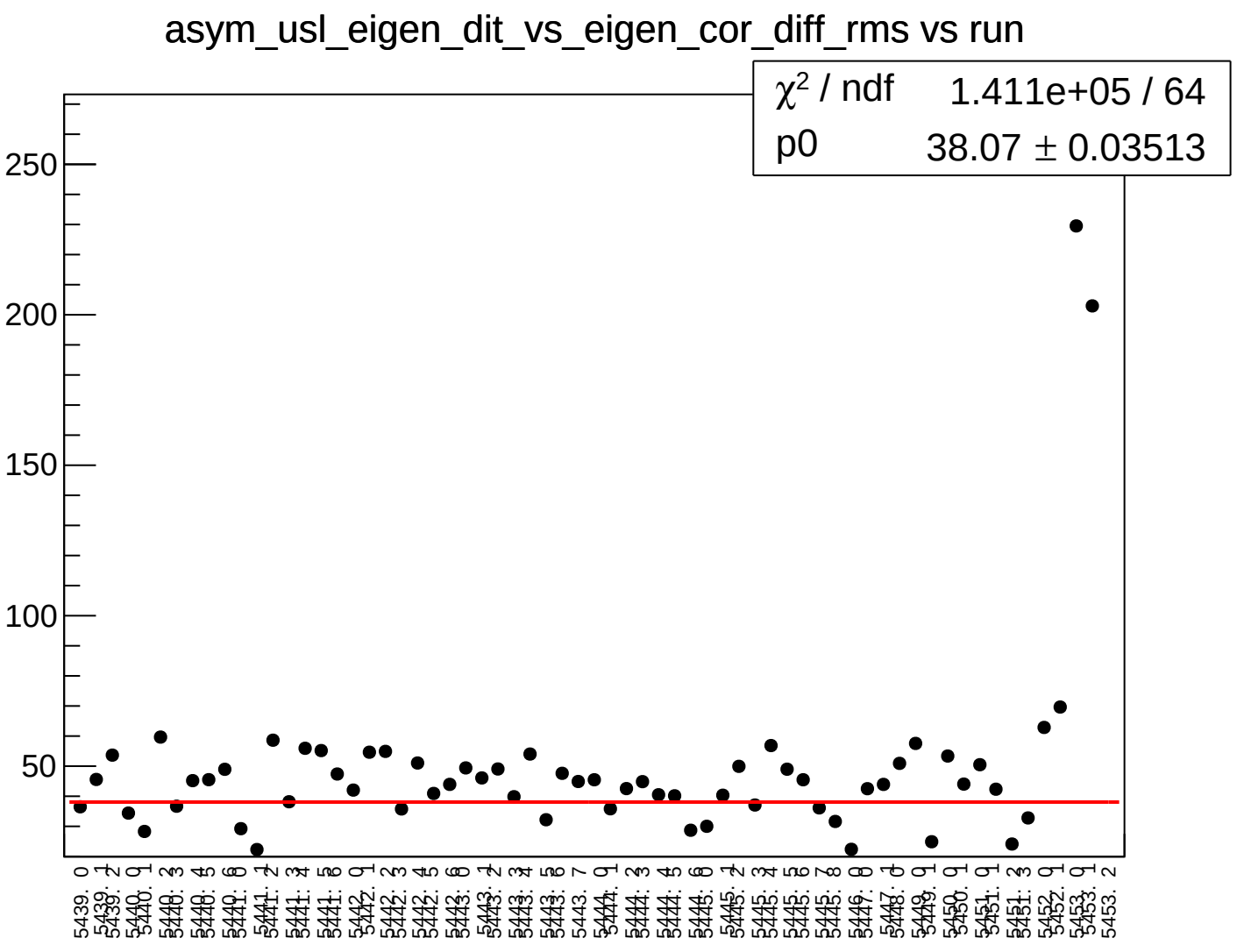

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.31 / 64
p0 −0.1176 ± 0.04968
pull
Entries 65
Mean −17.25
Std Dev 0

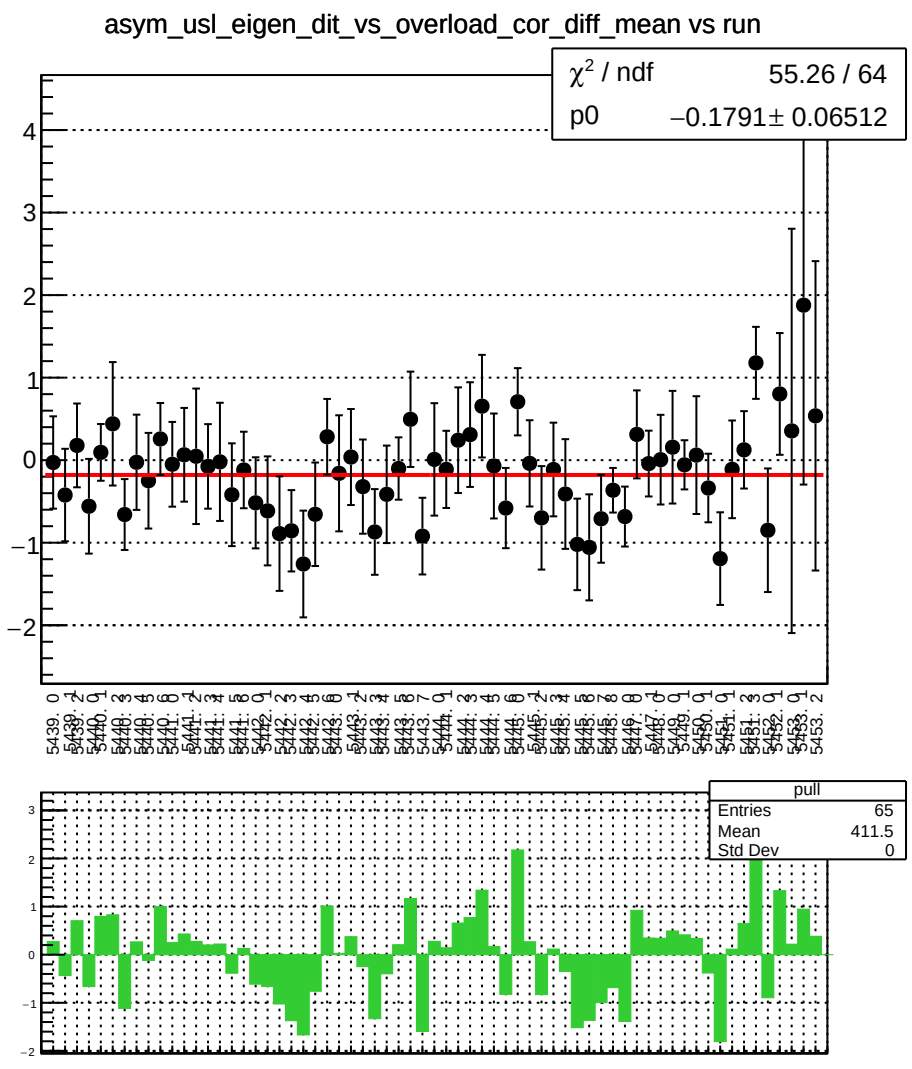

pull1D
Entries 65
Mean −0.04387
Std Dev 1.054

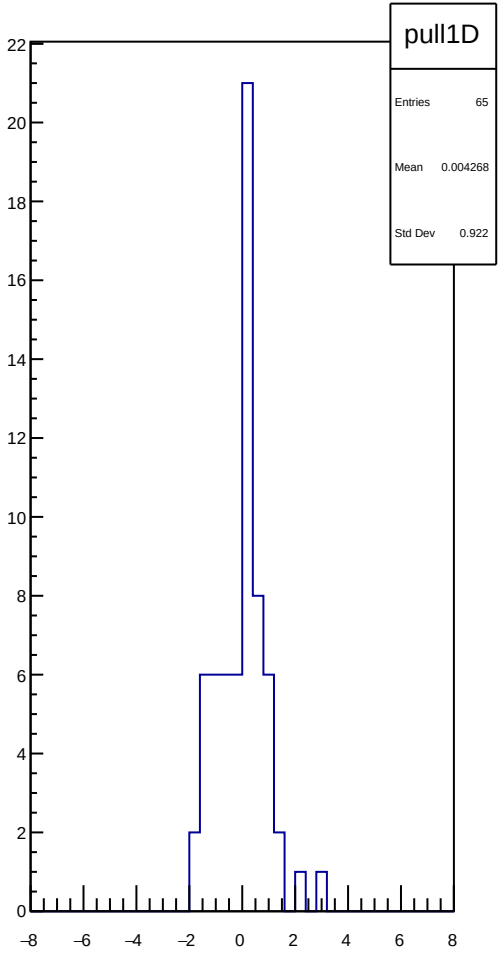

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.411e+05 / 64
p0 38.07 ± 0.03513
250
200
150
100
50

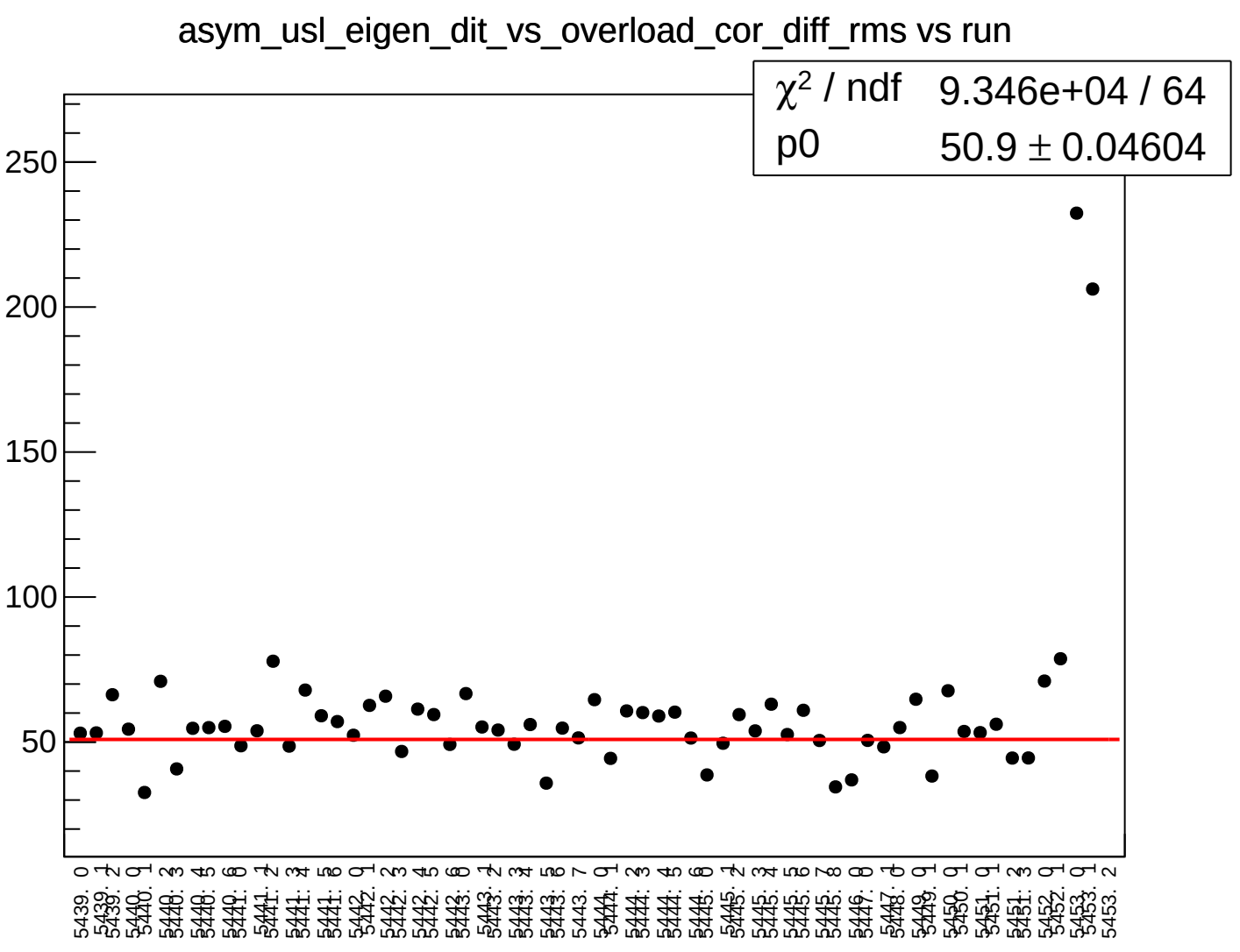

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.31 / 64
p0 −0.1176 ± 0.04968
pull
Entries 65
Mean −17.25
Std Dev 0

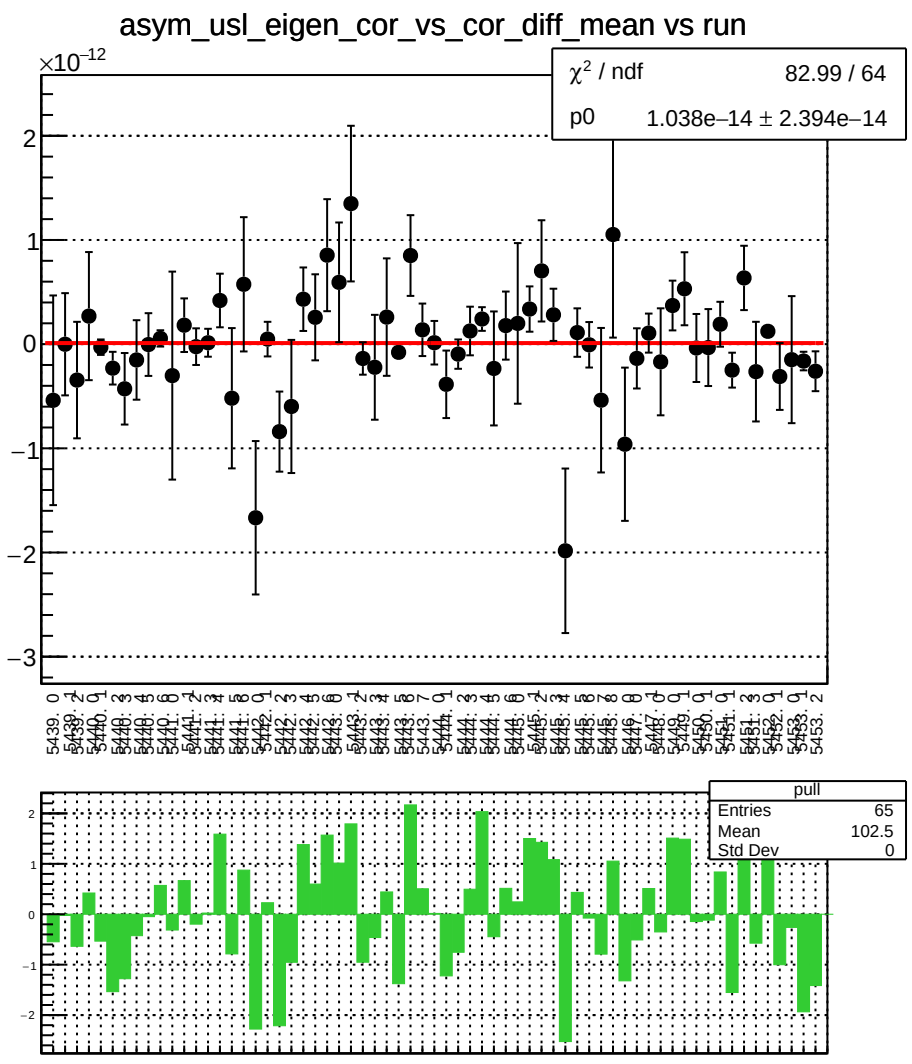

pull1D
Entries 65
Mean −0.04387
Std Dev 1.054

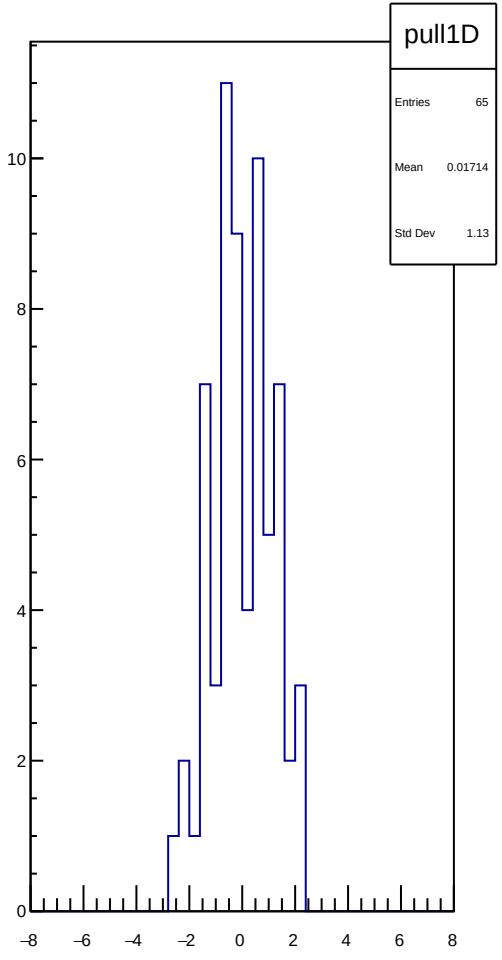

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.411e+05 / 64
p0 38.07 ± 0.03513
250
200
150
100
50

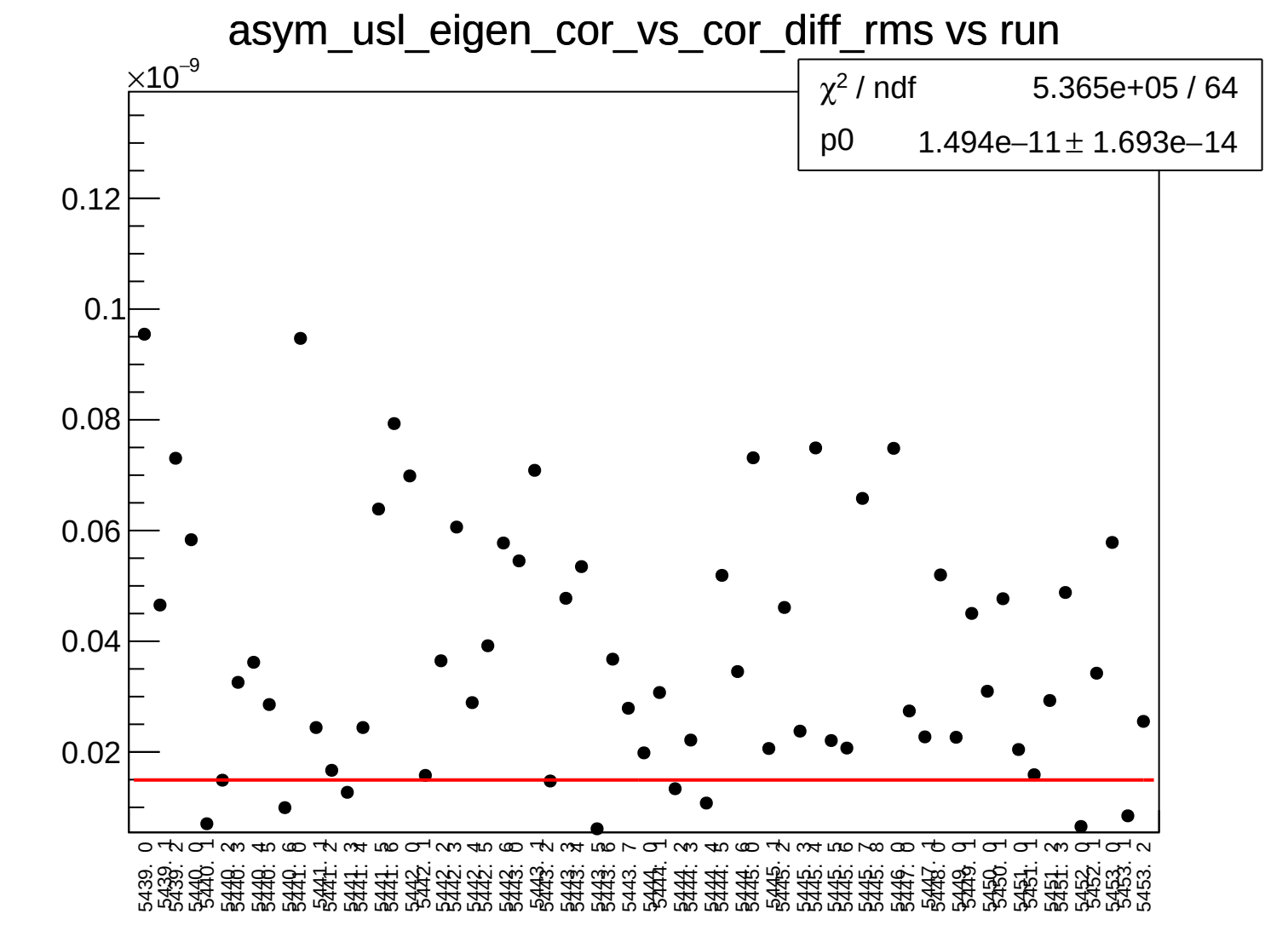

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 55.26 / 64
p0 −0.1791± 0.06512
pull
Entries 65
Mean 411.5
Std Dev 0

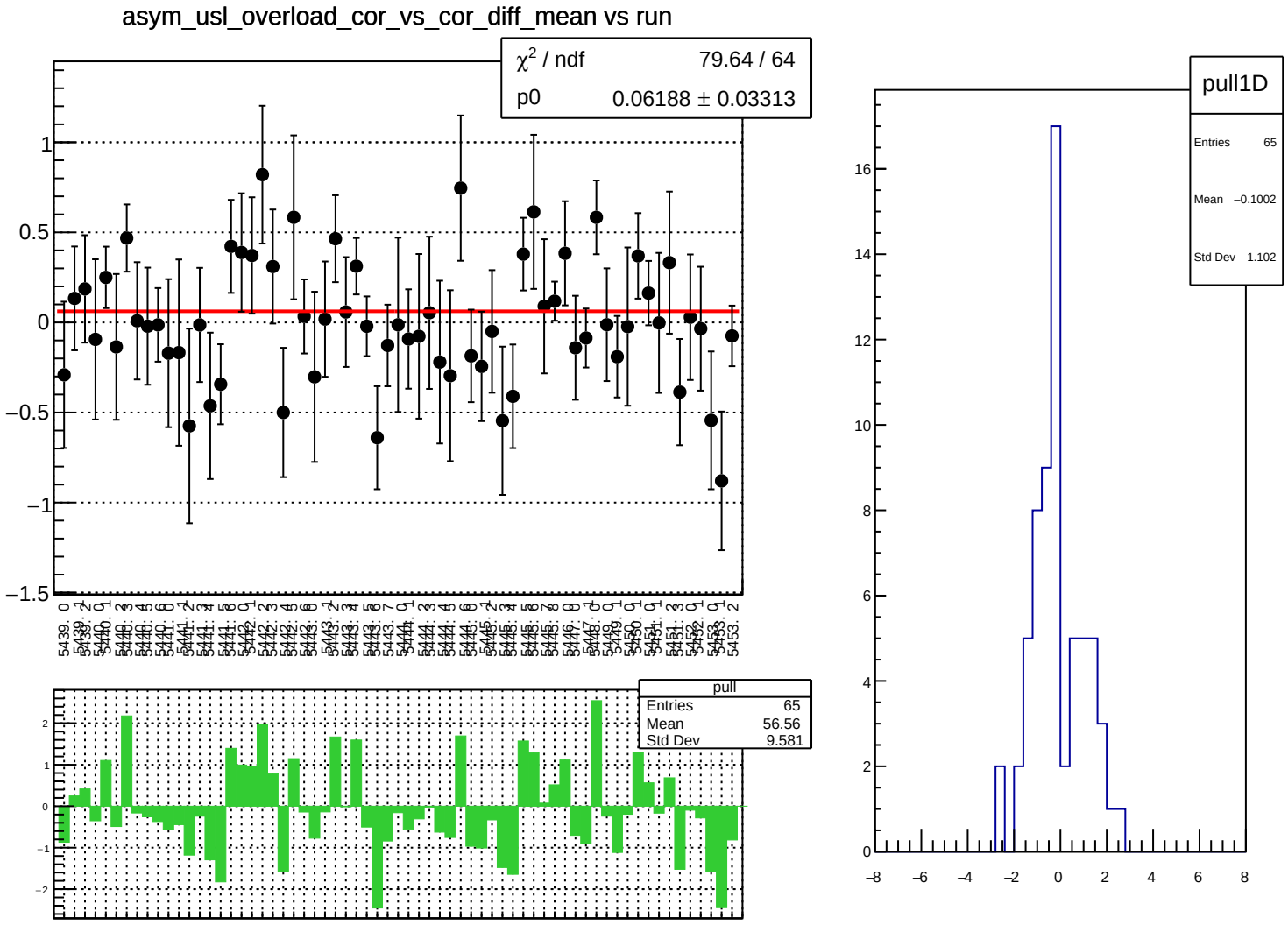

pull1D
Entries 65
Mean 0.004268
Std Dev 0.922

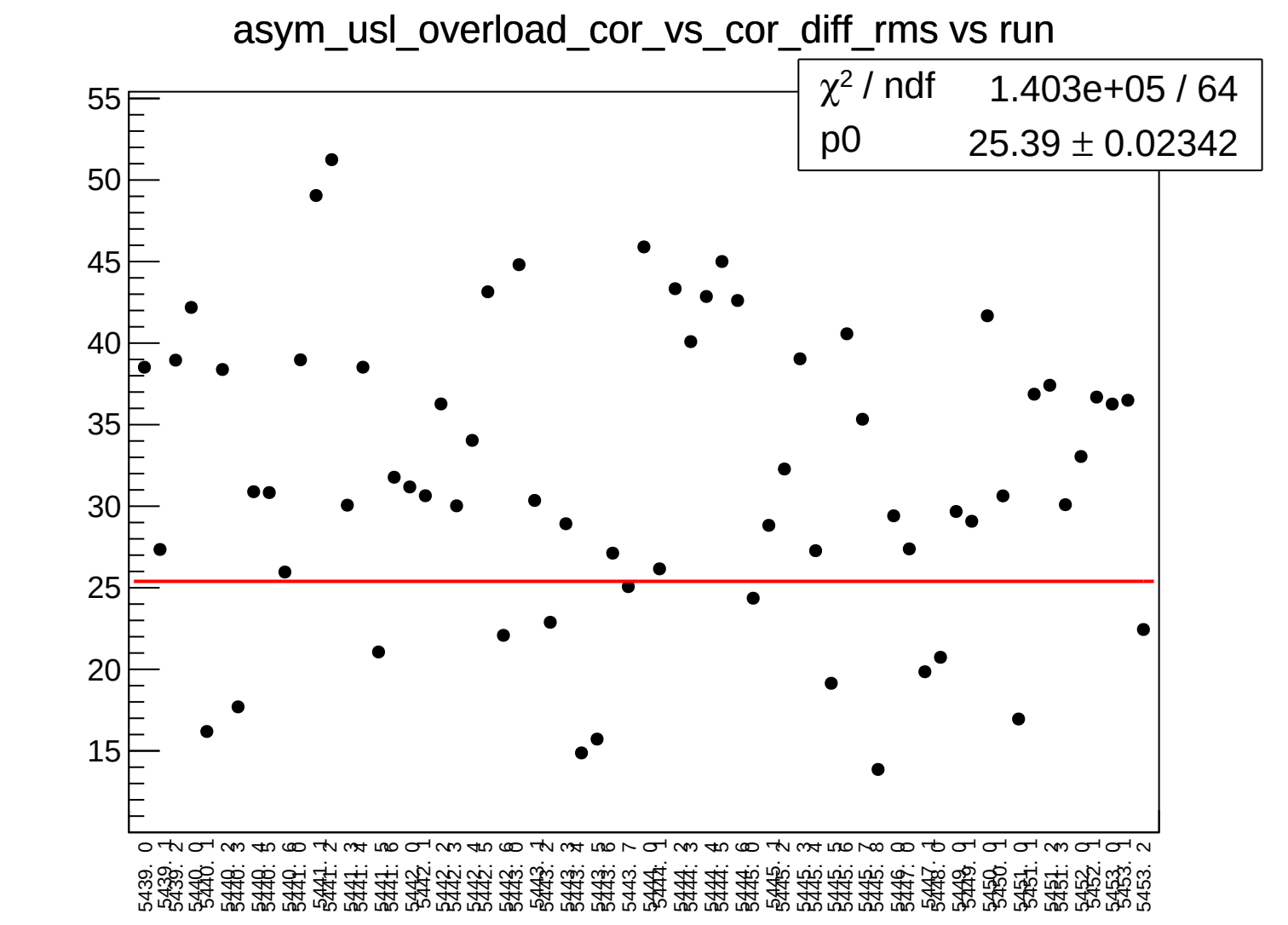

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 9.346e+04 / 64
p0 50.9 ± 0.04604
250
200
150
100
50

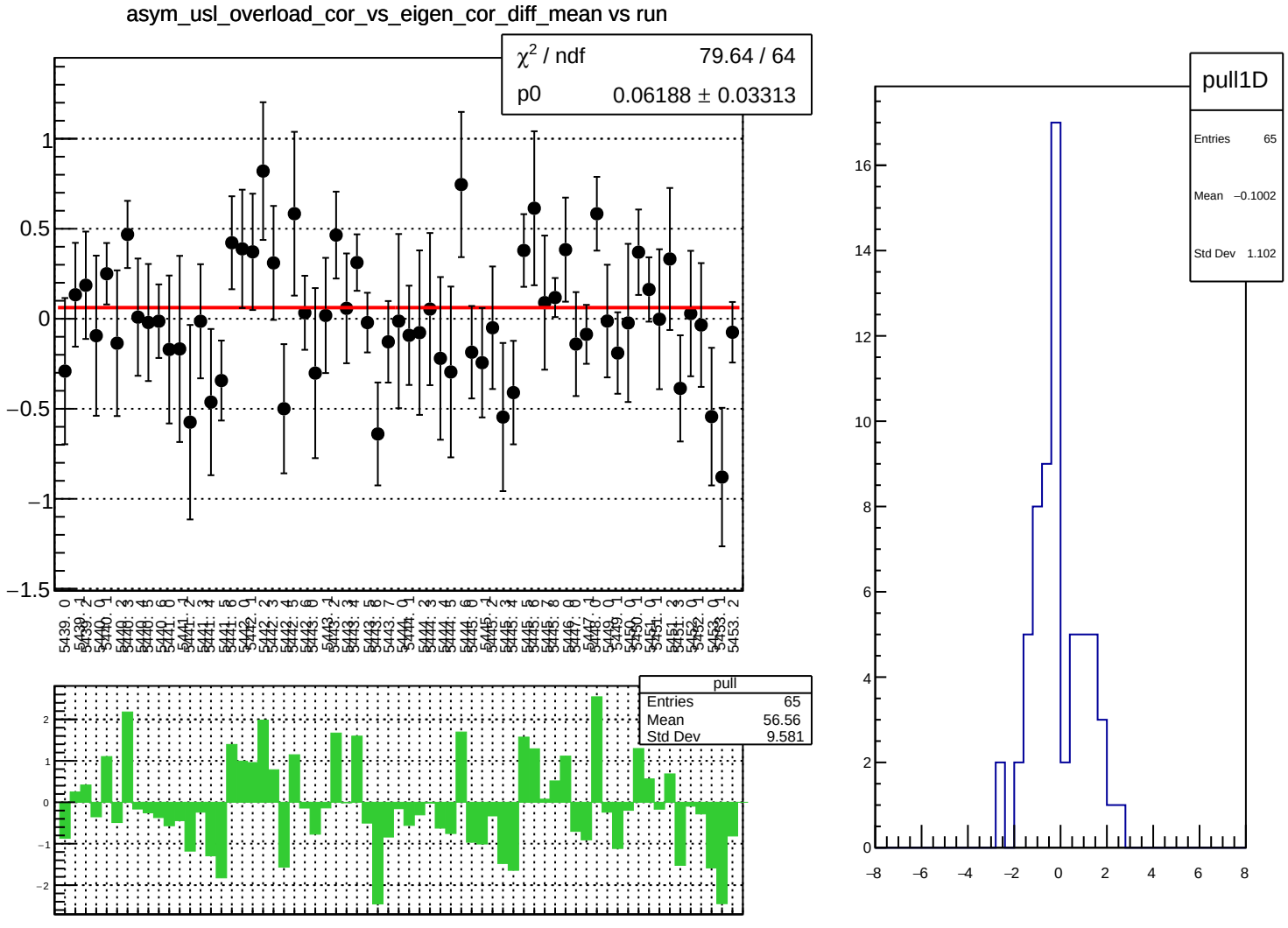

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.99 / 64
p0 1.038e−14 ± 2.394e−14
pull
Entries 65
Mean 102.5
Std Dev 0

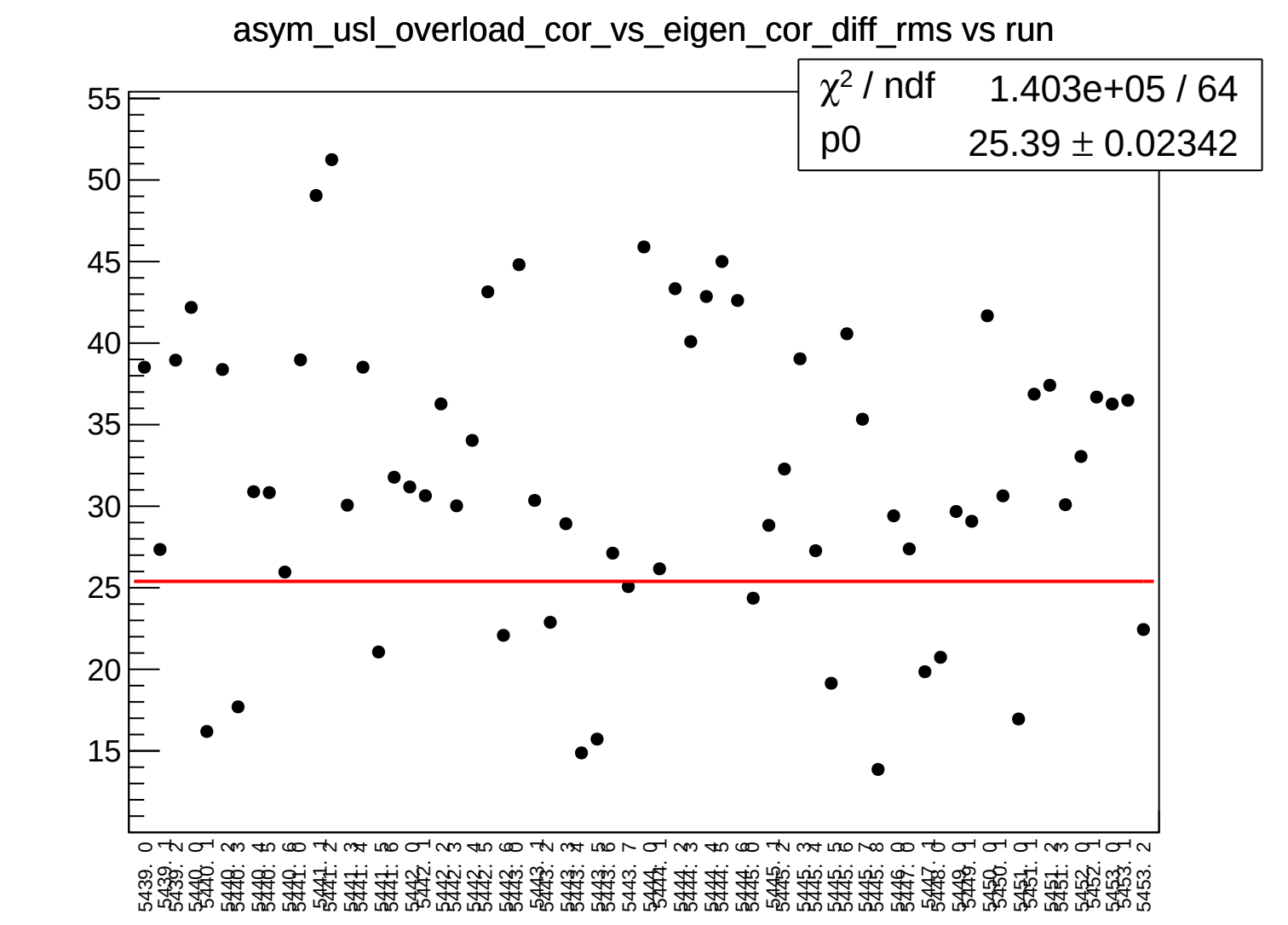

pull1D
Entries 65
Mean 0.01714
Std Dev 1.13

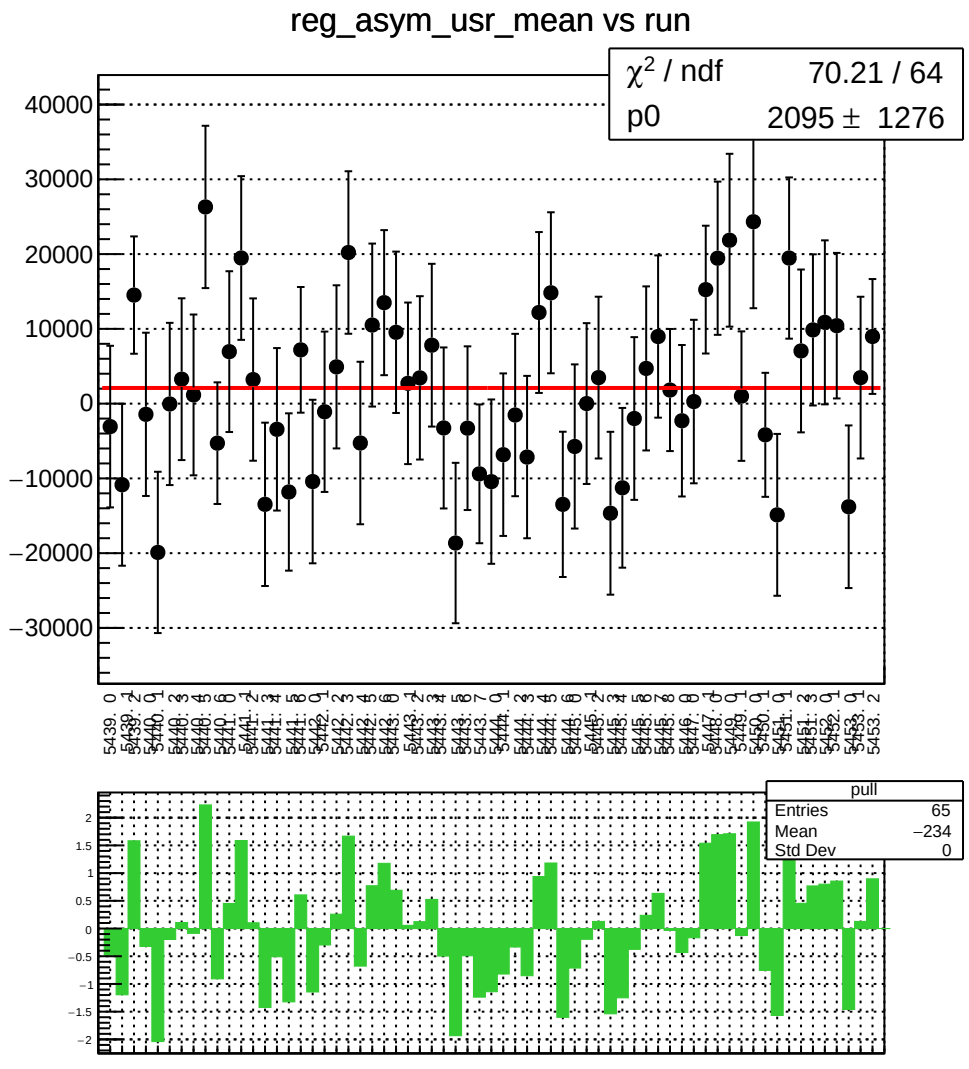

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.365e+05 / 64
p0 1.494e−11 ± 1.693e−14
0.12
0.1
0.08
0.06
0.04
0.02

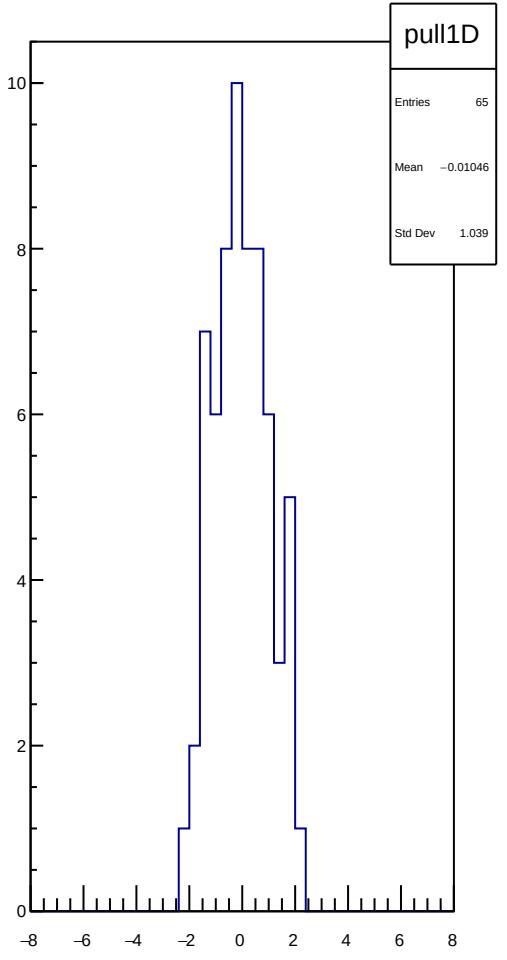

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 79.64 / 64
p0 0.06188 ± 0.03313
pull
Entries 65
Mean 56.56
Std Dev 9.581
pull1D
Entries 65
Mean −0.1002
Std Dev 1.102

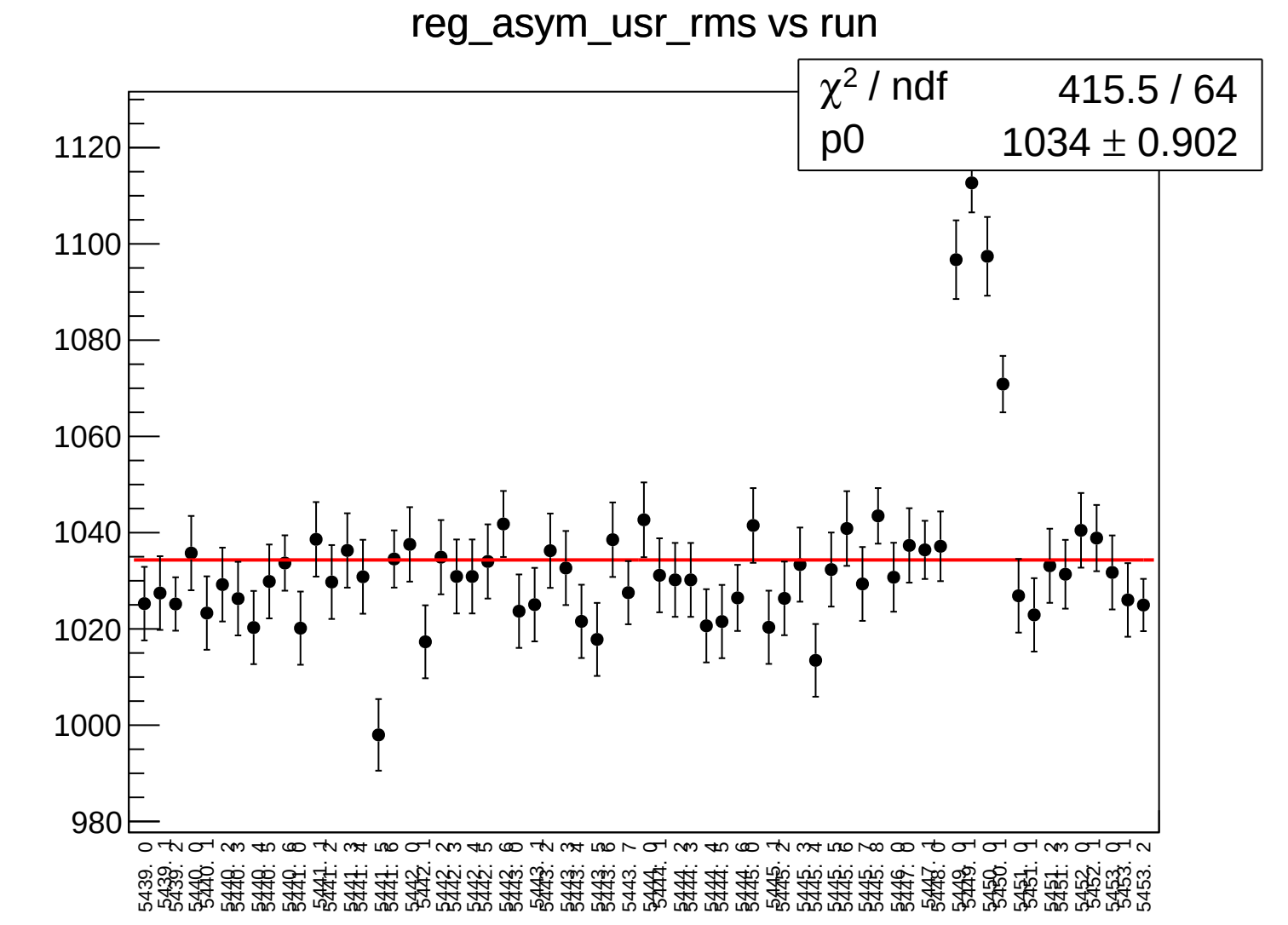

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.403e+05 / 64
p0 25.39 ± 0.02342
55
50
45
40
35
30
25
20
15

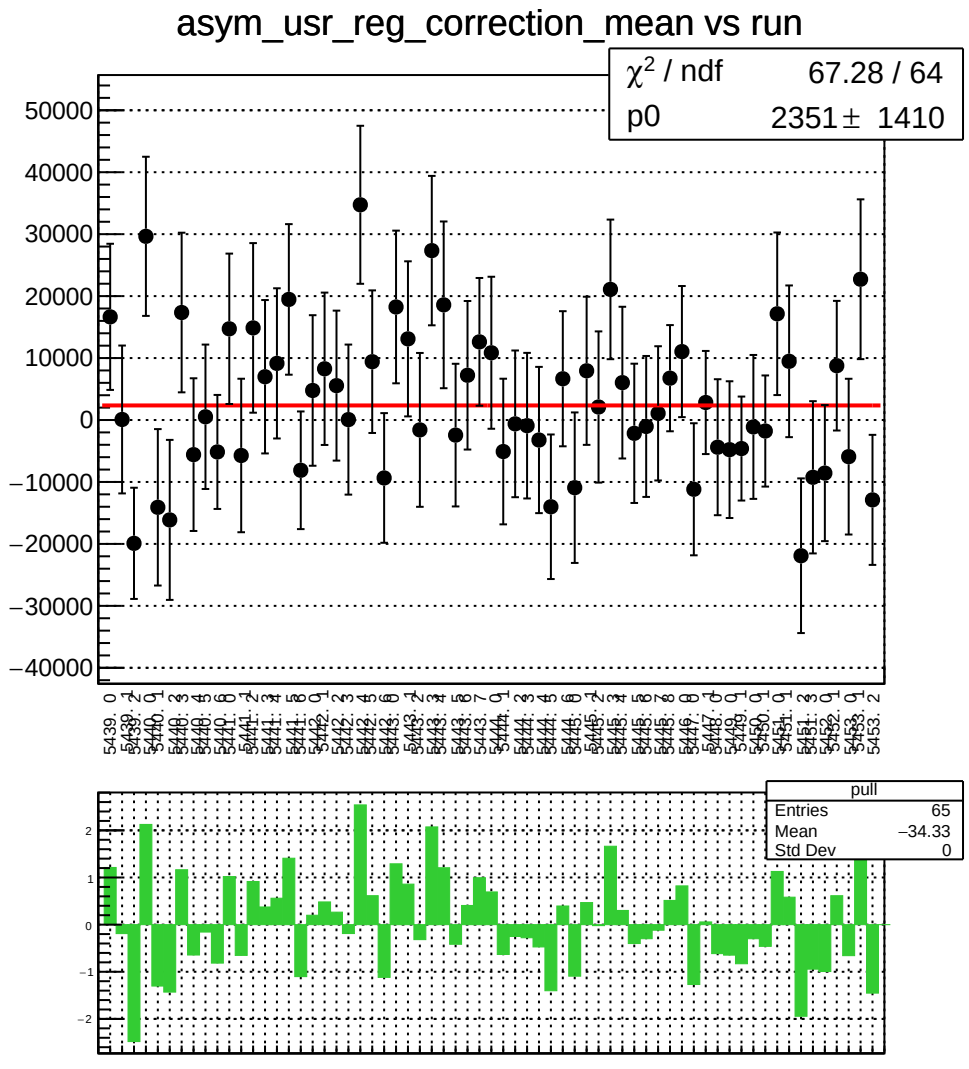

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.64 / 64
p0 0.06188 ± 0.03313
pull
Entries 65
Mean 56.56
Std Dev 9.581
pull1D
Entries 65
Mean −0.1002
Std Dev 1.102

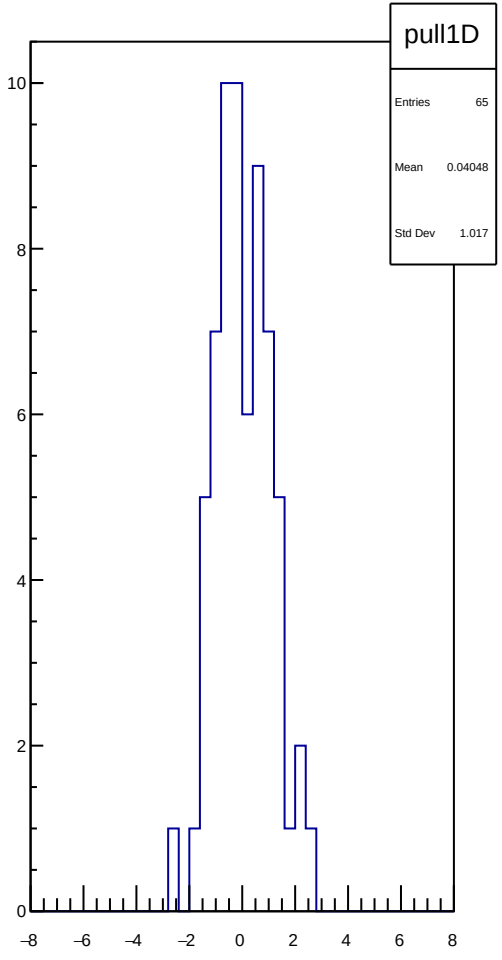

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.403e+05 / 64
p0 25.39 ± 0.02342
55
50
45
40
35
30
25
20
15

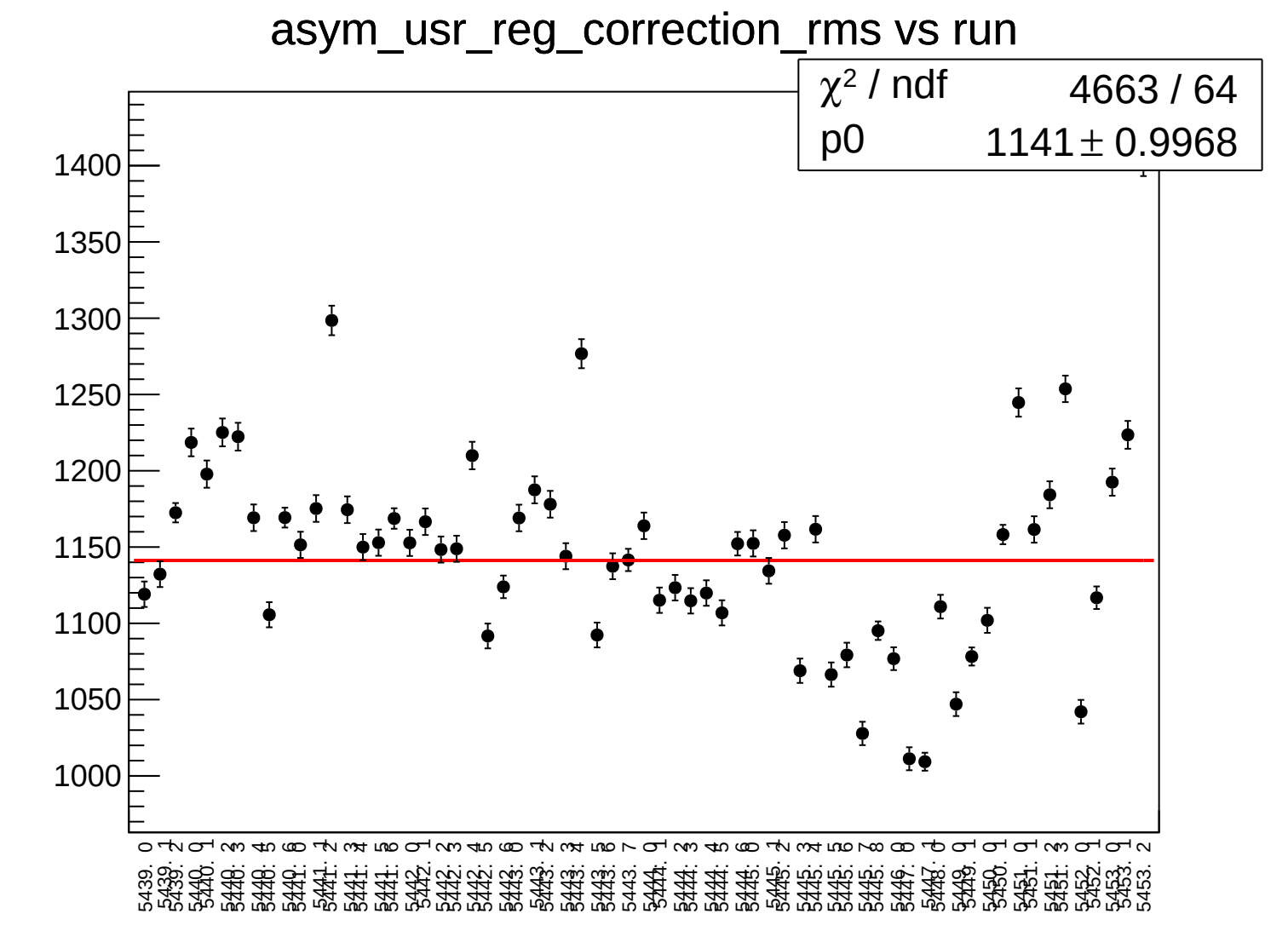

reg_asym_usr_mean vs run
χ² / ndf 70.21 / 64
p0 2095 ± 1276
pull
Entries 65
Mean −234
Std Dev 0

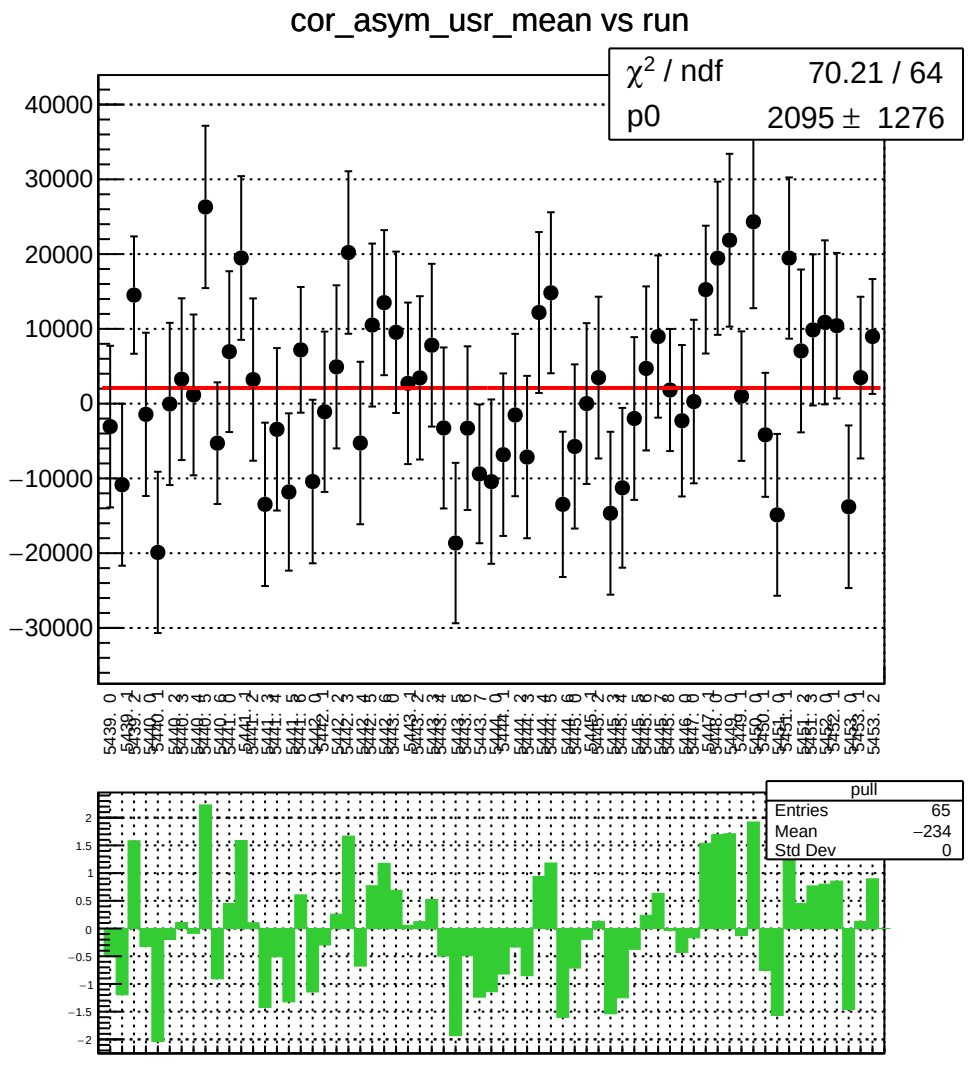

pull1D
Entries 65
Mean −0.01046
Std Dev 1.039

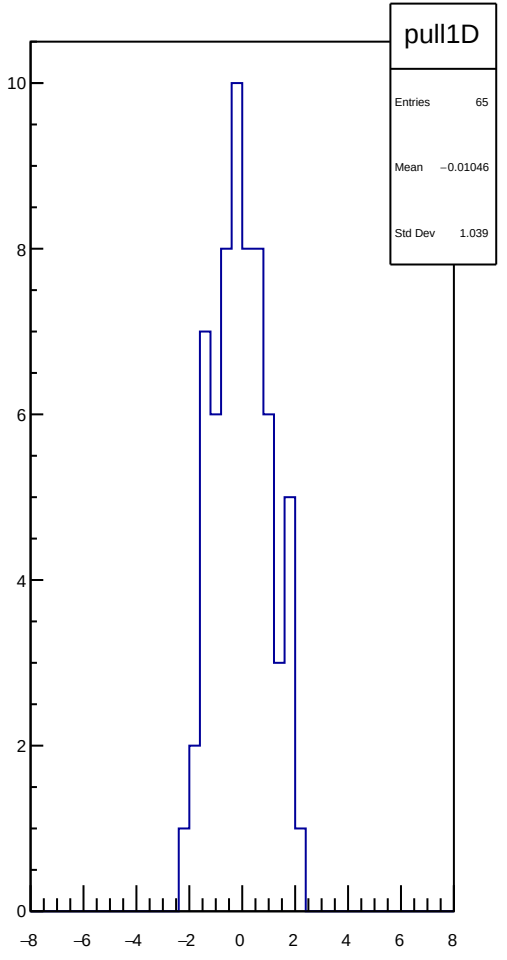

reg_asym_usr_rms vs run
χ^2 / ndf 415.5 / 64
p0 1034 ± 0.902
1120
1100
1080
1060
1040
1020
1000
980

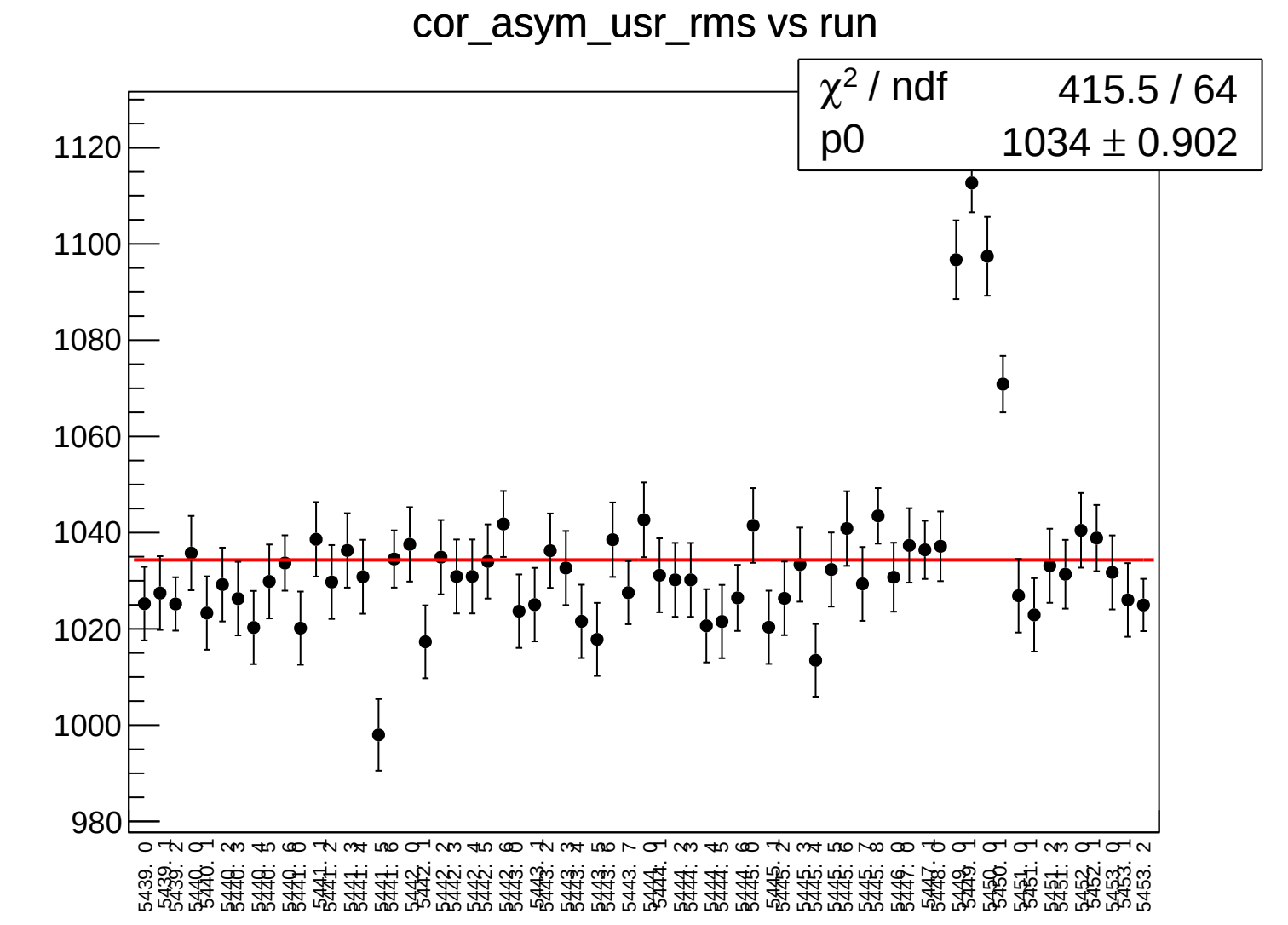

asym_usr_reg_correction_mean vs run
χ² / ndf 67.28 / 64
p0 2351 ± 1410
pull
Entries 65
Mean −34.33
Std Dev 0

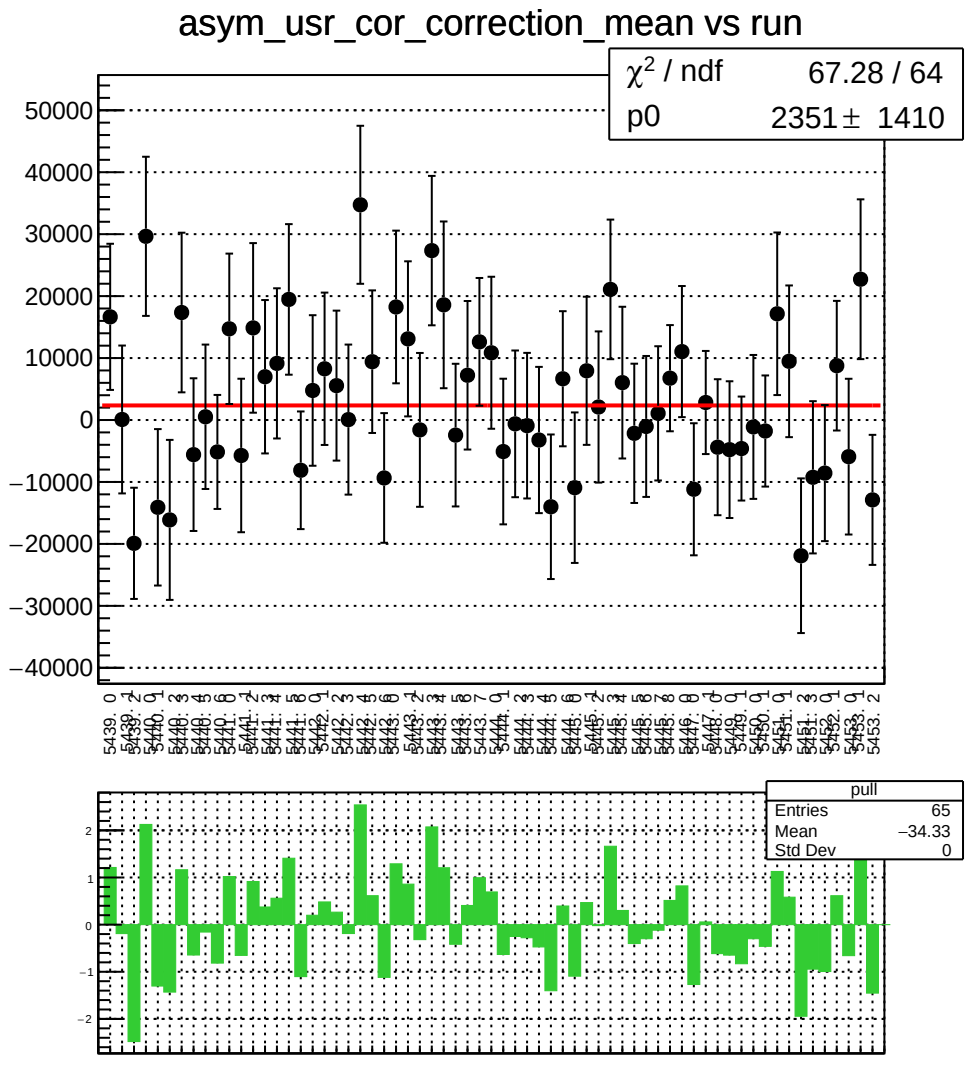

pull1D
Entries 65
Mean 0.04048
Std Dev 1.017

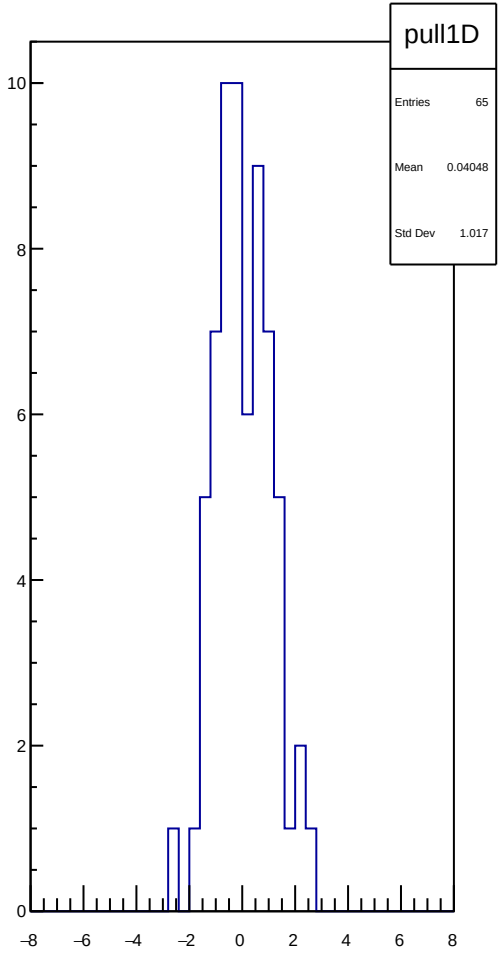

asym_usr_reg_correction_rms vs run
χ² / ndf 4663 / 64
p0 1141 ± 0.9968
1400
1350
1300
1250
1200
1150
1100
1050
1000

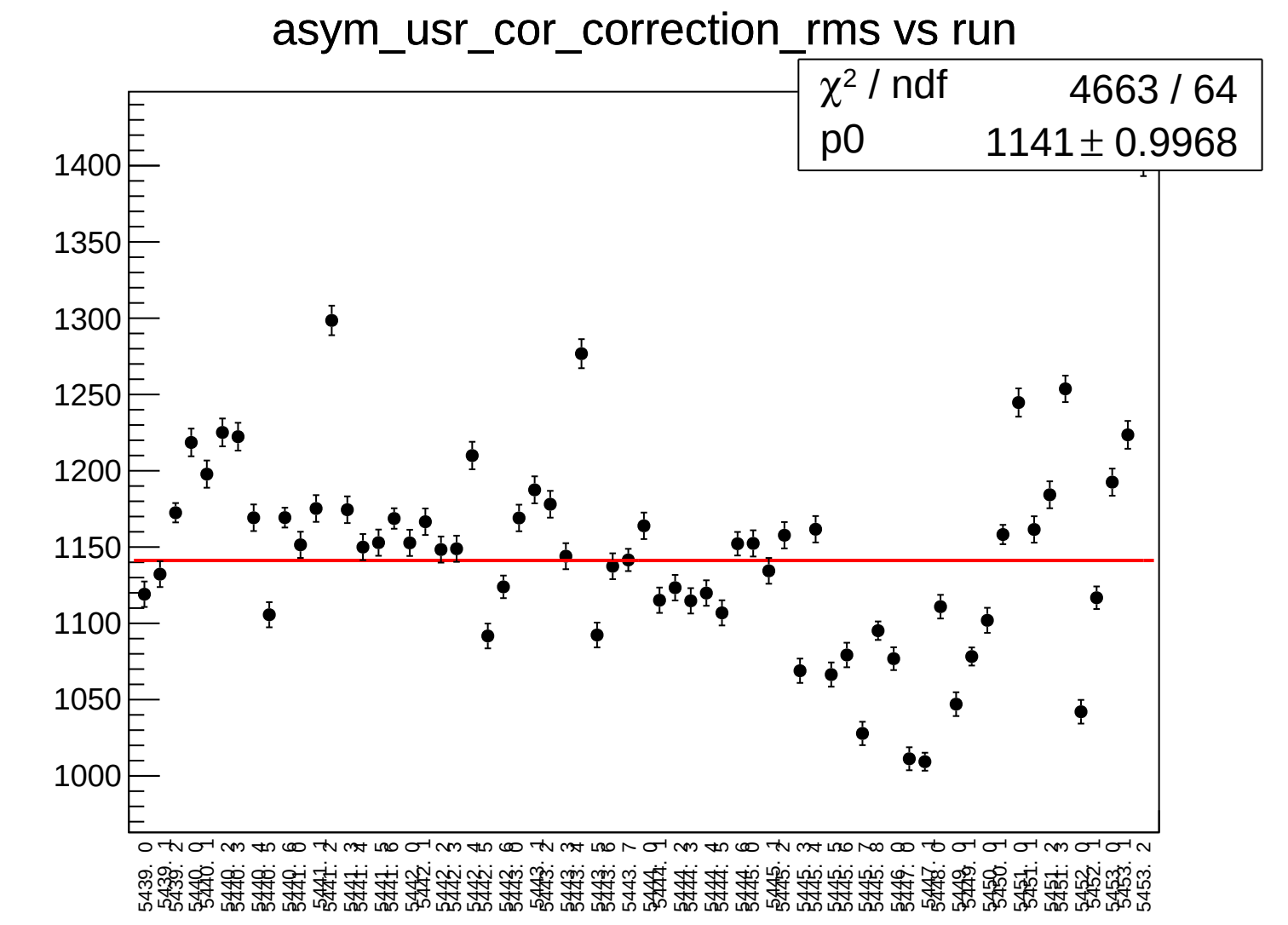

cor_asym_usr_mean vs run
χ² / ndf 70.21 / 64
p0 2095 ± 1276
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −234
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

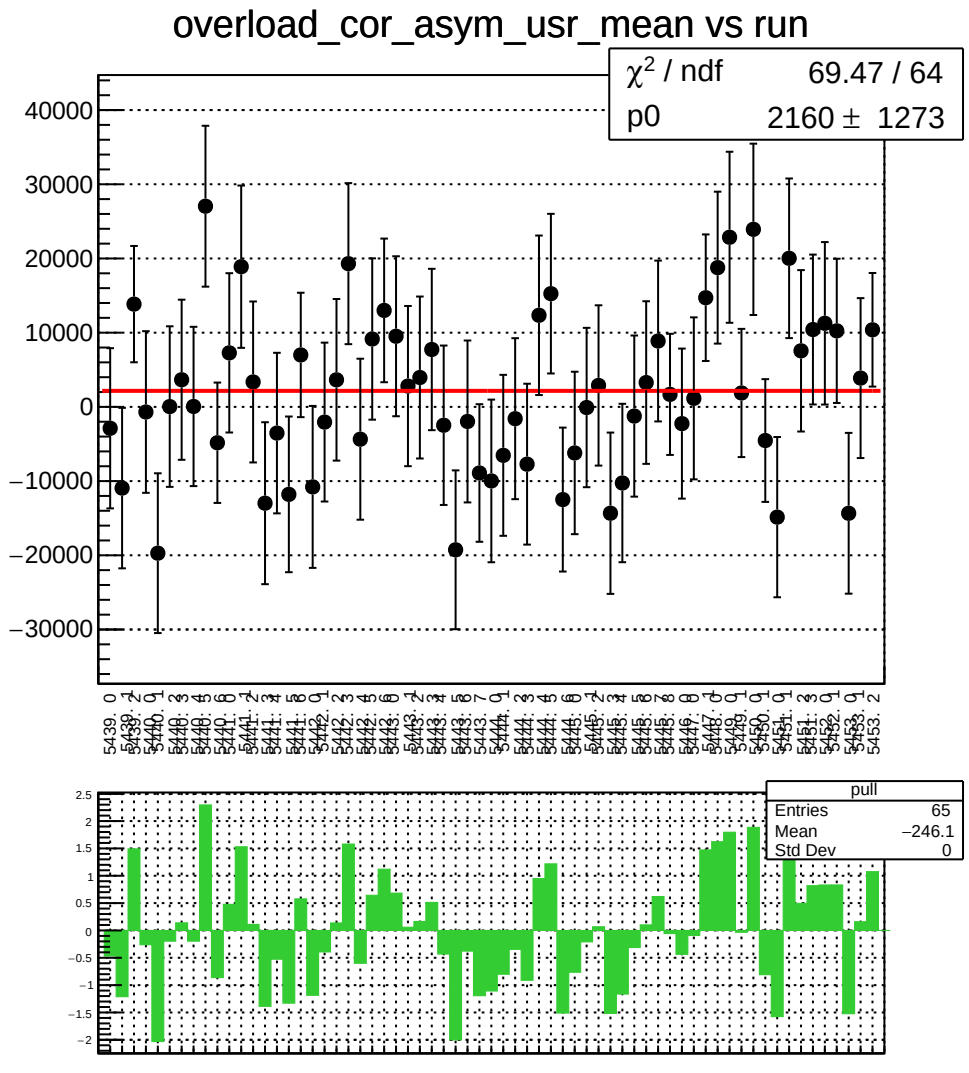

pull1D
Entries 65
Mean −0.01046
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

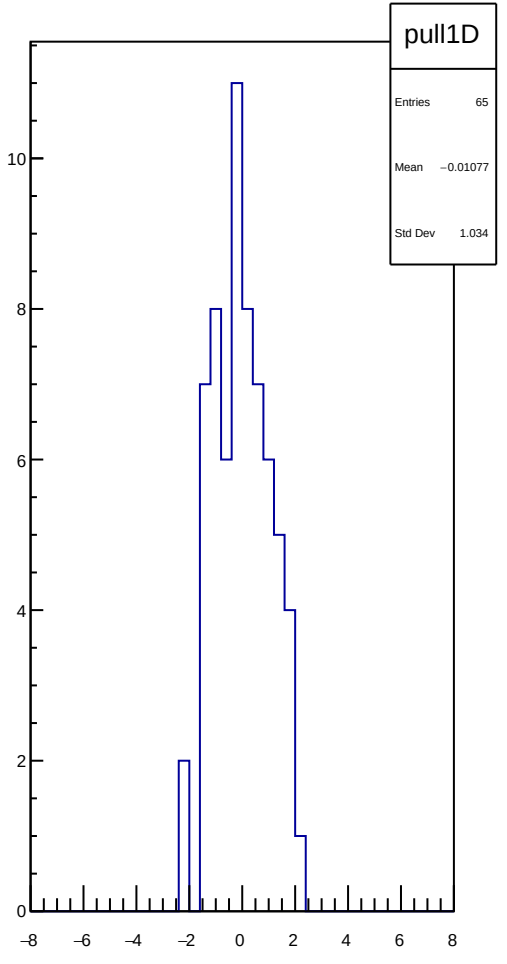

cor_asym_usr_rms vs run
χ² / ndf 415.5 / 64
p0 1034 ± 0.902
1120
1100
1080
1060
1040
1020
1000
980
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

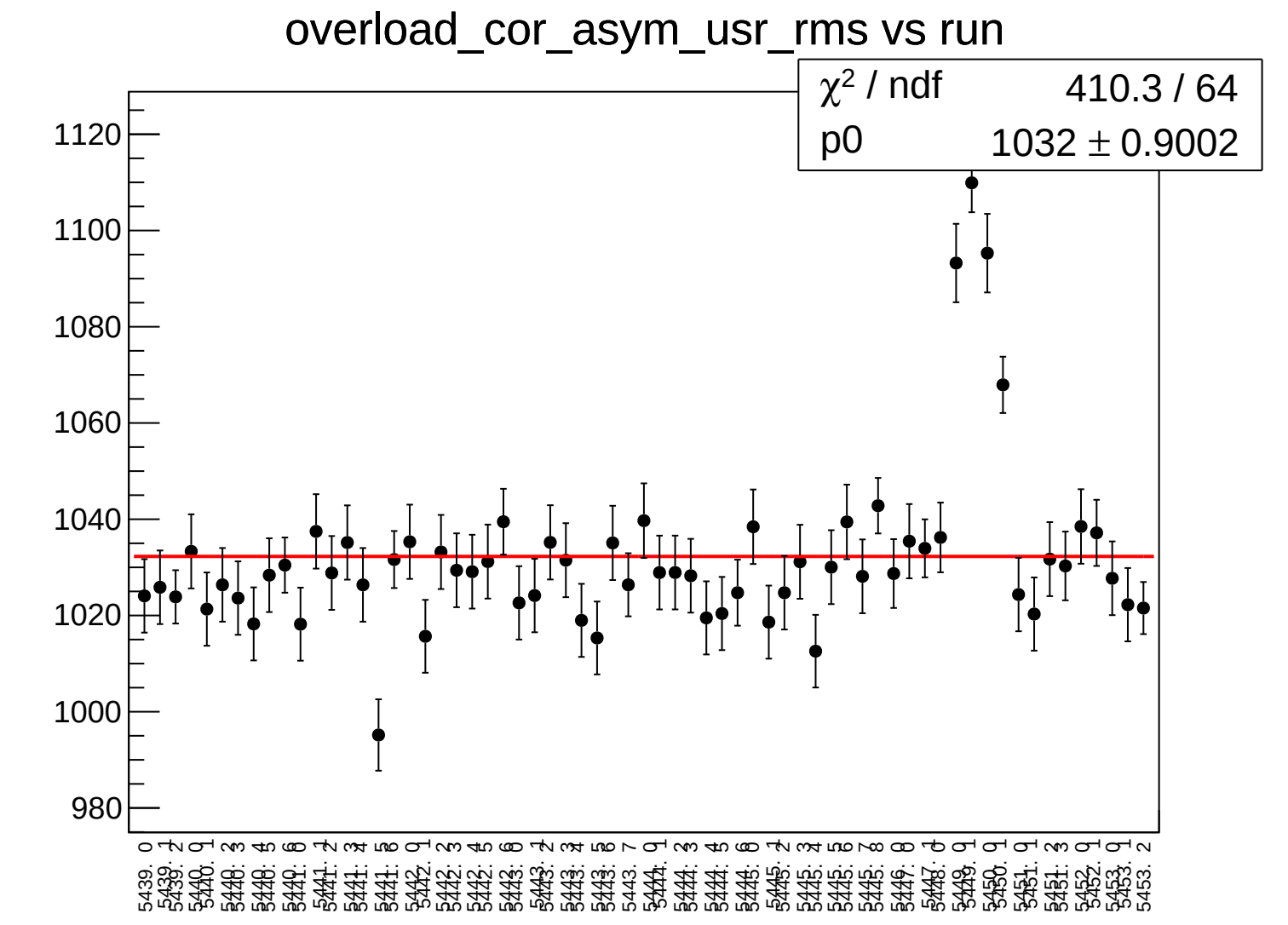

asym_usr_cor_correction_mean vs run
χ² / ndf 67.28 / 64
p0 2351 ± 1410
pull
Entries 65
Mean −34.33
Std Dev 0

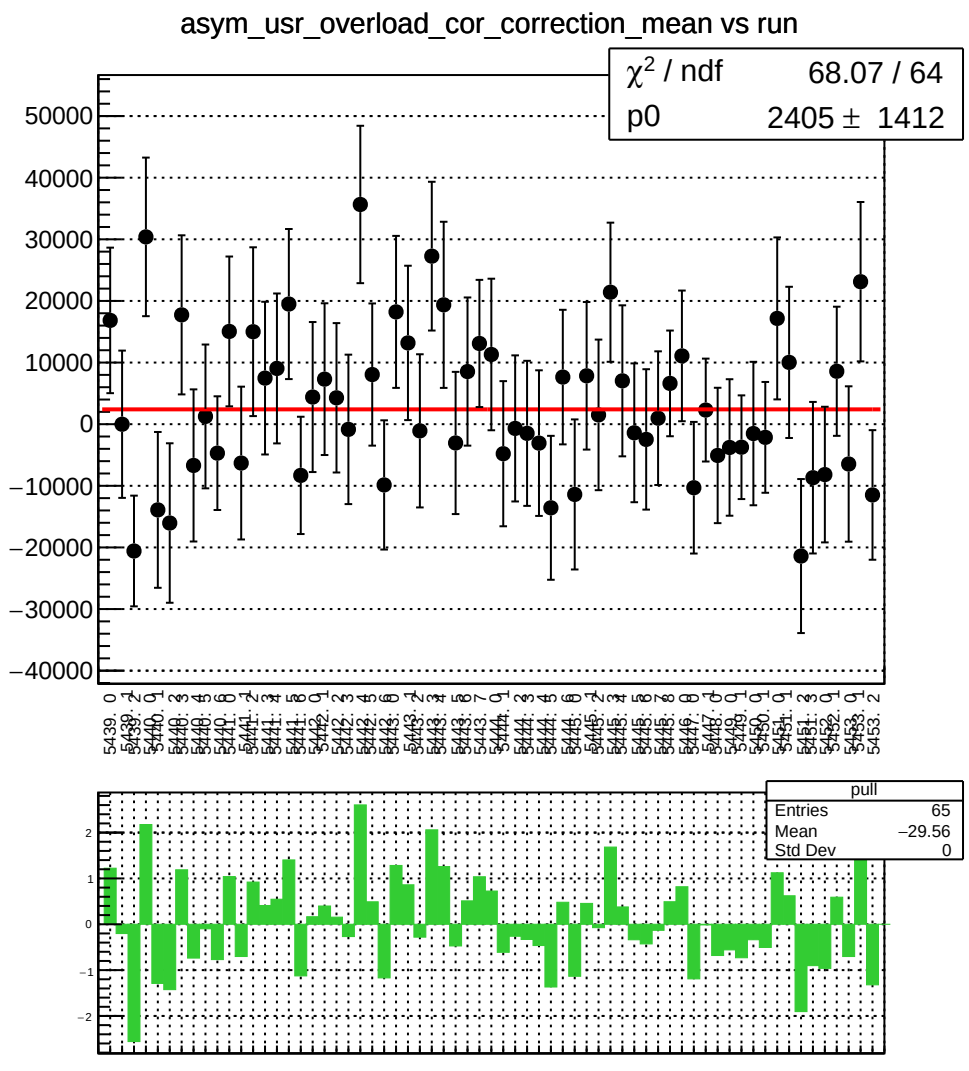

pull1D
Entries 65
Mean 0.04048
Std Dev 1.017

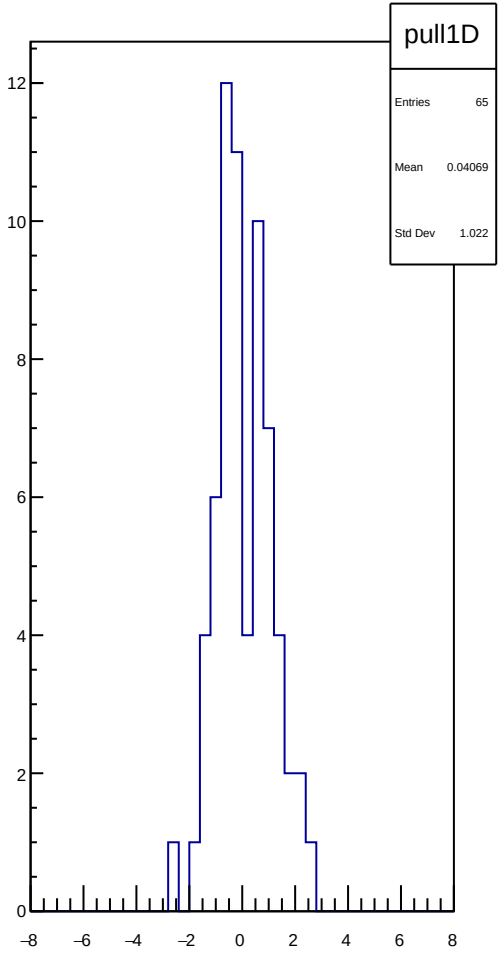

asym_usr_cor_correction_rms vs run
χ² / ndf 4663 / 64
p0 1141 ± 0.9968
1400
1350
1300
1250
1200
1150
1100
1050
1000

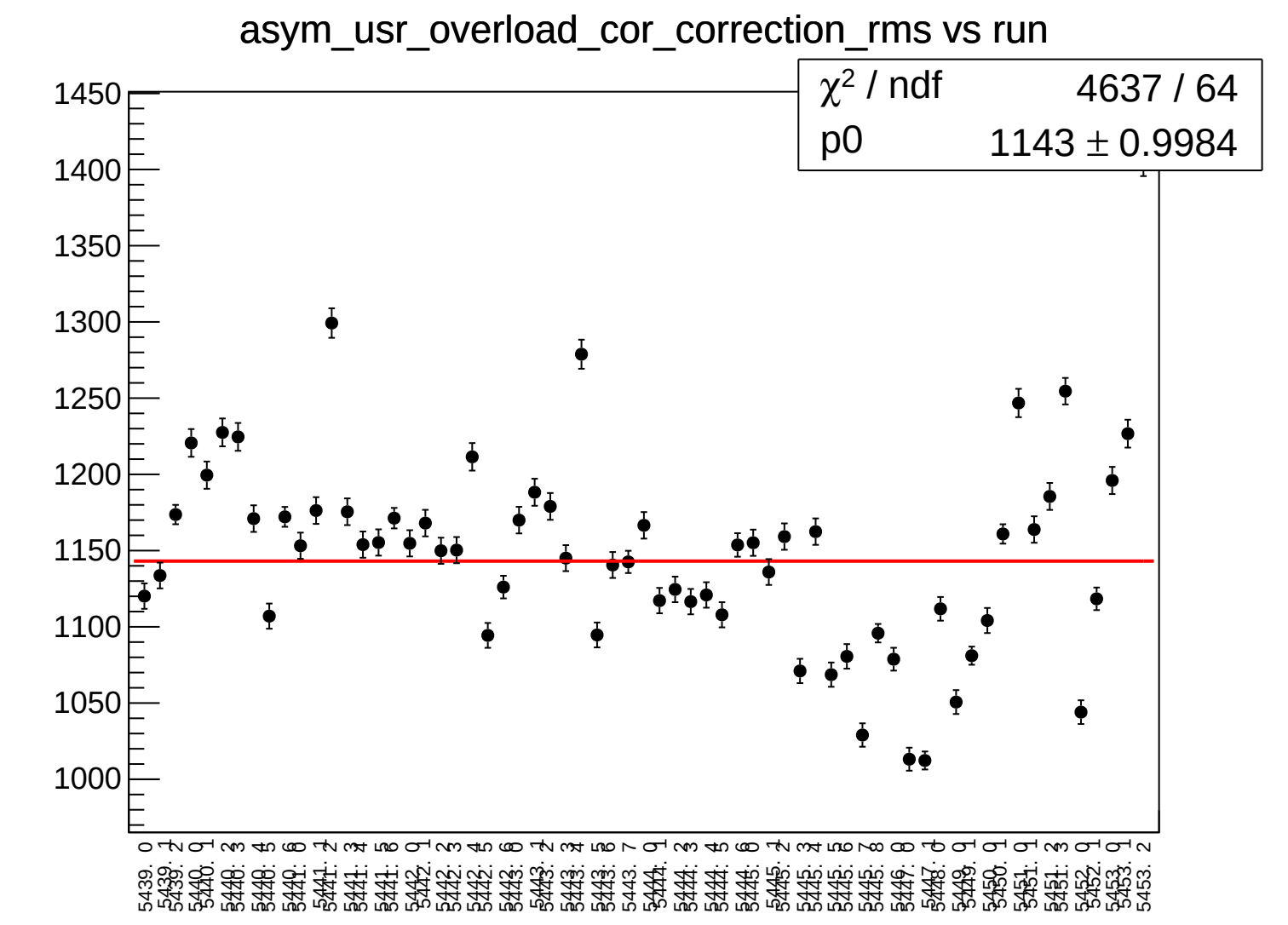

overload_cor_asym_usr_mean vs run
χ² / ndf 69.47 / 64
p0 2160 ± 1273
pull
Entries 65
Mean −246.1
Std Dev 0

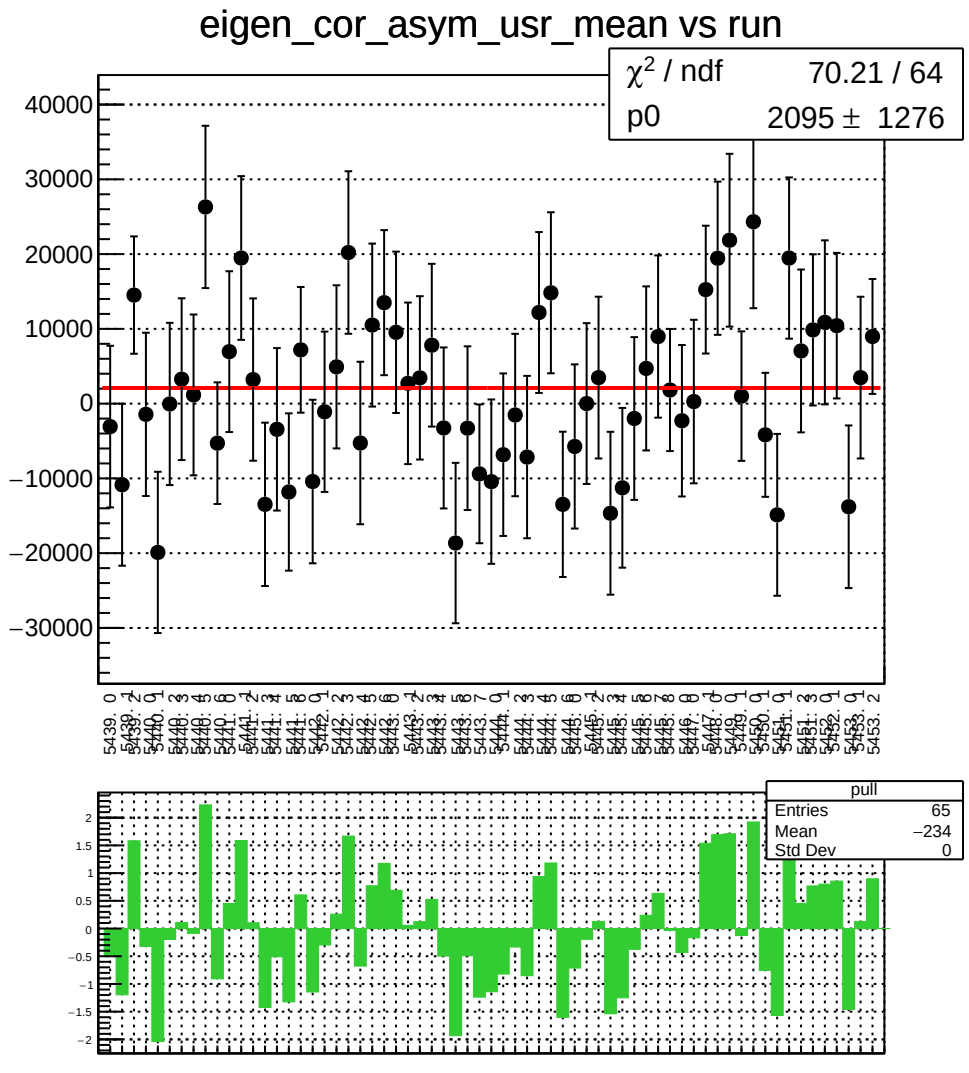

pull1D
Entries 65
Mean −0.01077
Std Dev 1.034

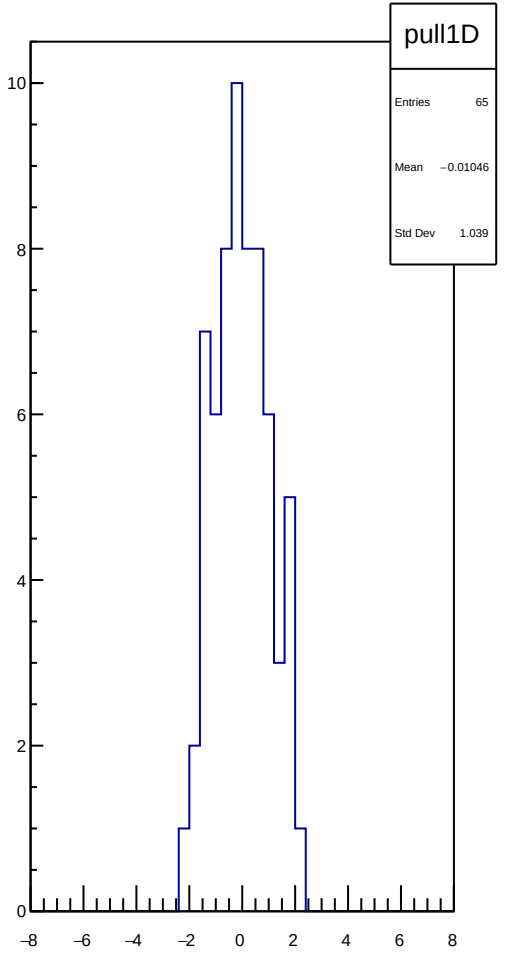

overload_cor_asym_usr_rms vs run
χ² / ndf 410.3 / 64
p0 1032 ± 0.9002
1120
1100
1080
1060
1040
1020
1000
980

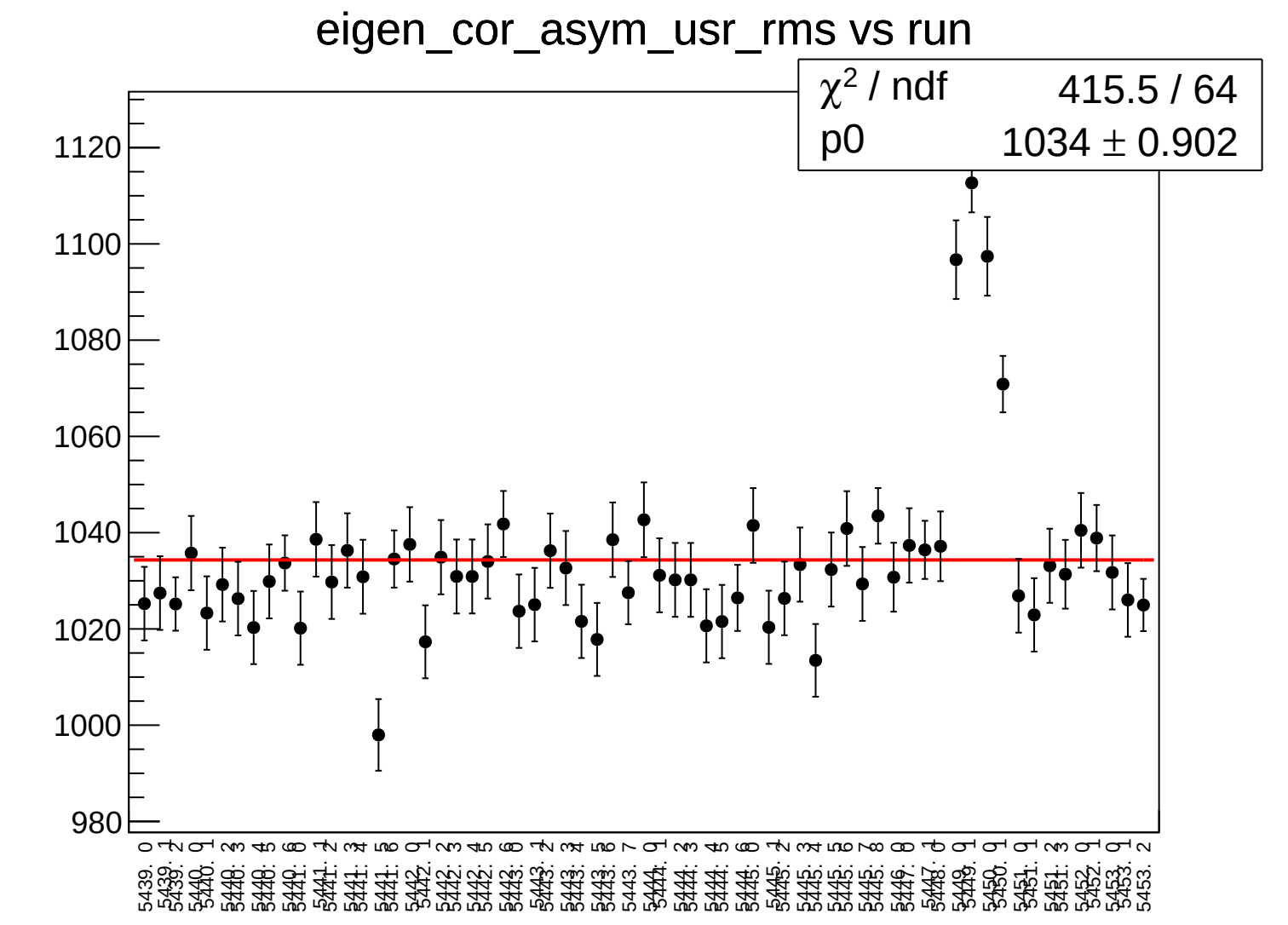

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 68.07 / 64
p0 2405 ± 1412
pull
Entries 65
Mean −29.56
Std Dev 0

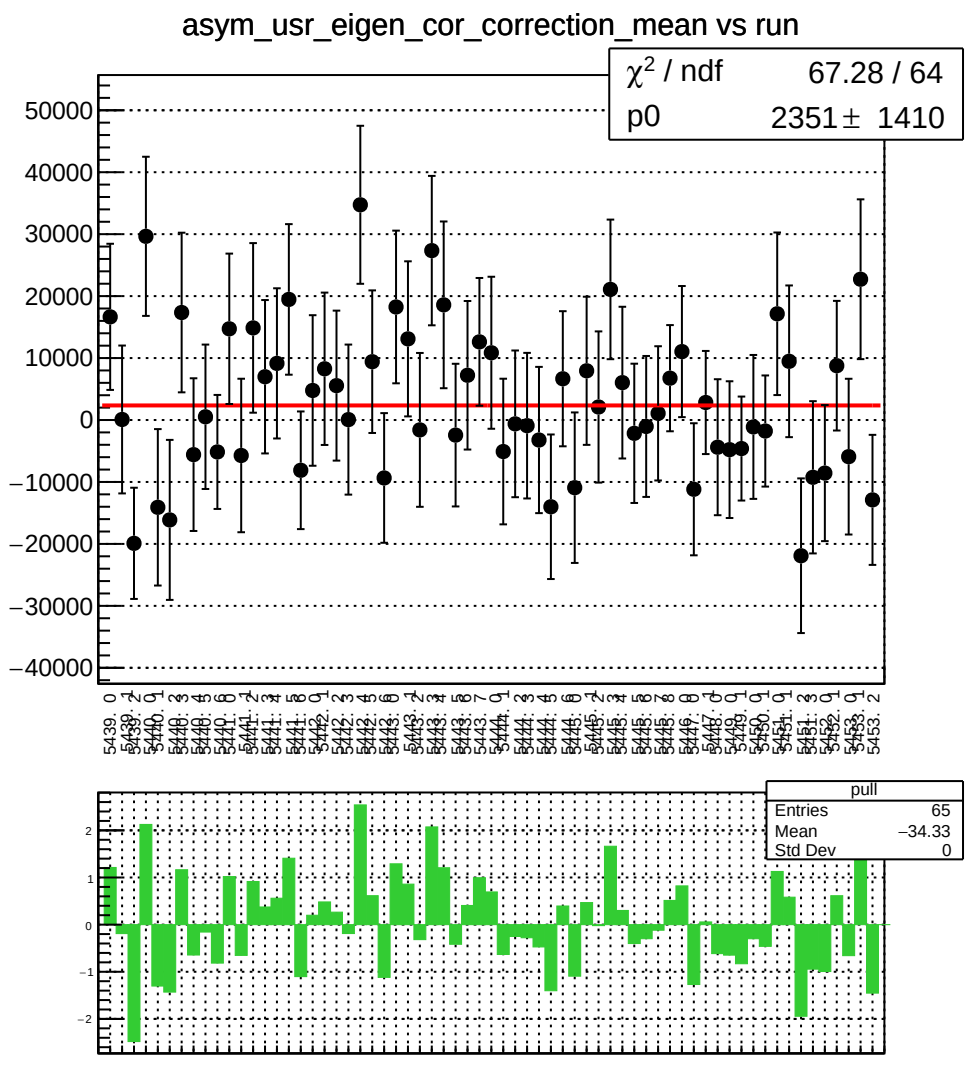

pull1D
Entries 65
Mean 0.04069
Std Dev 1.022

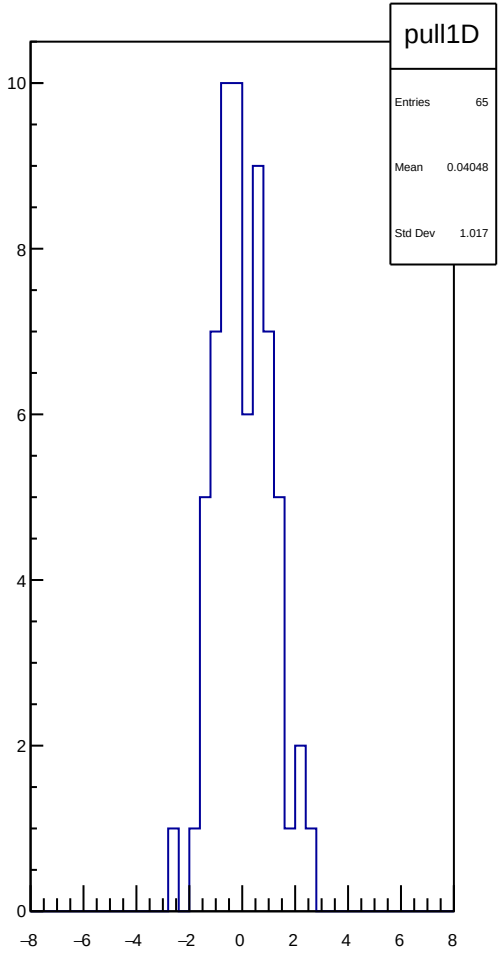

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 4637 / 64
p0 1143 ± 0.9984
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

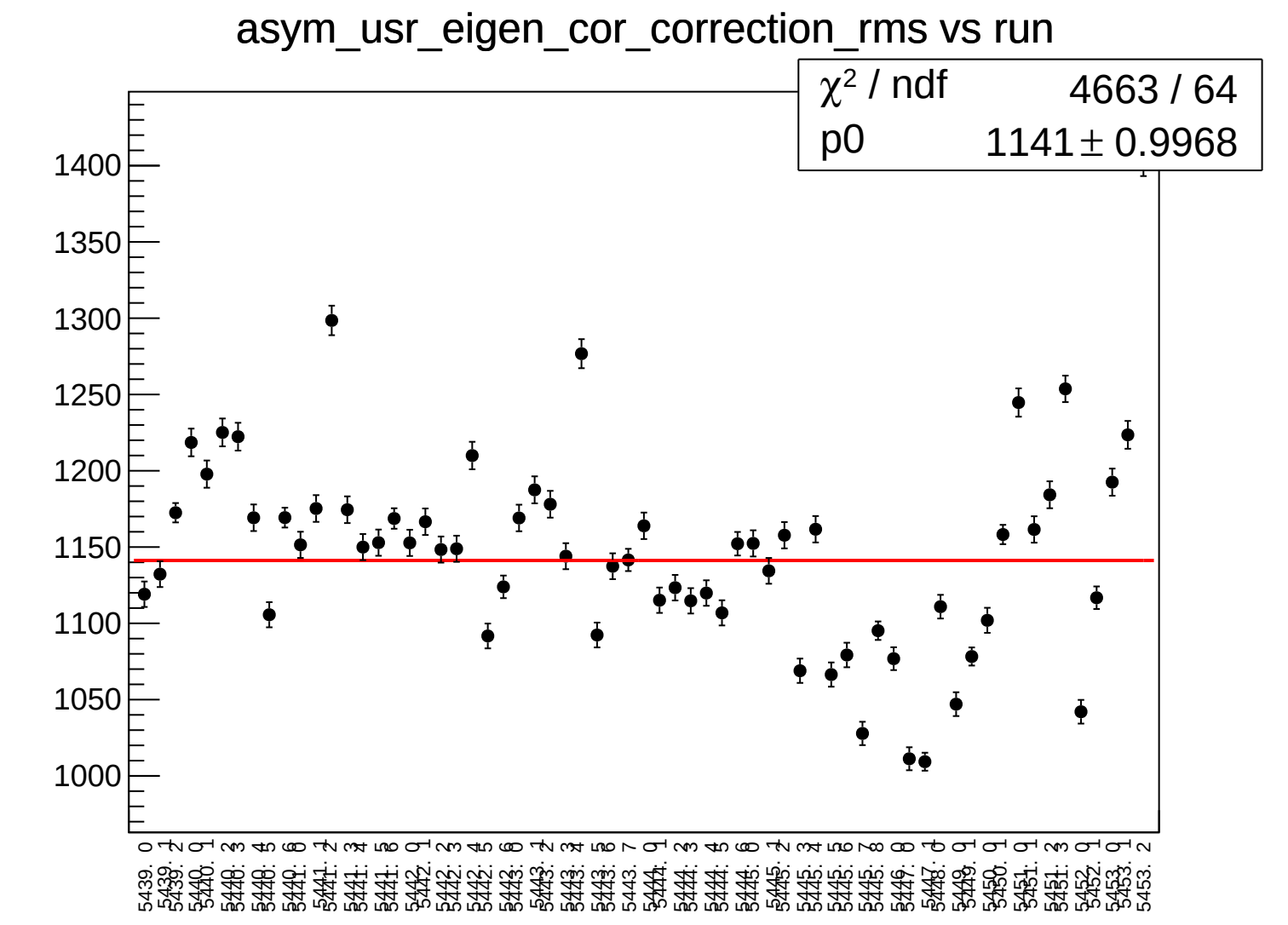

eigen_cor_asym_usr_mean vs run
χ² / ndf 70.21 / 64
p0 2095 ± 1276
pull
Entries 65
Mean −234
Std Dev 0

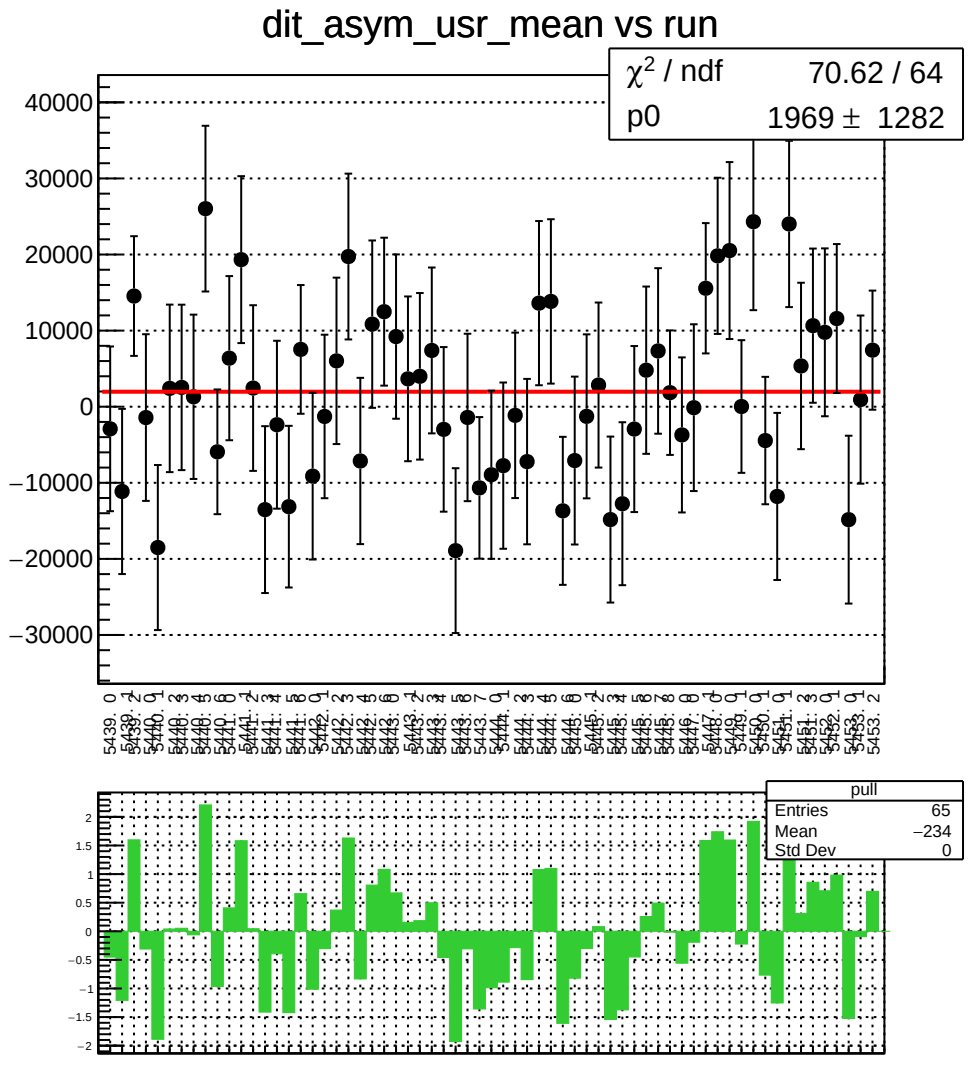

pull1D
Entries 65
Mean −0.01046
Std Dev 1.039

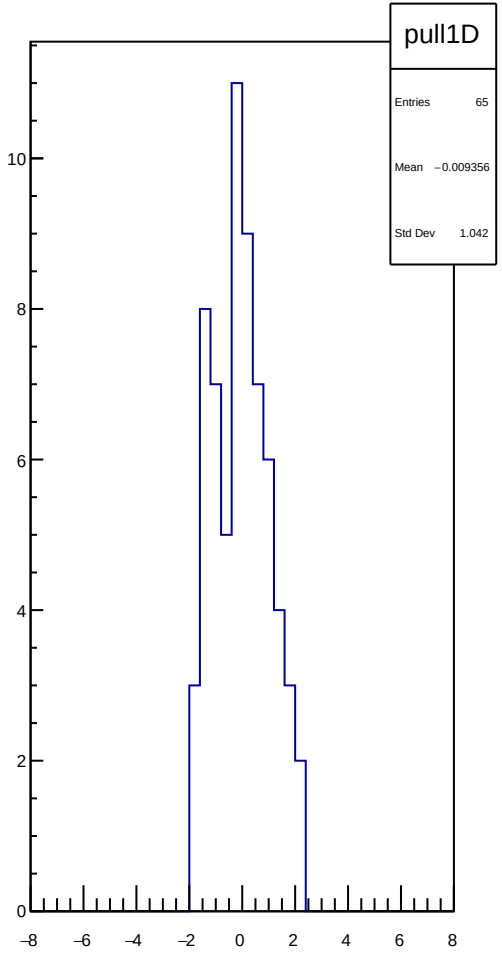

eigen_cor_asym_usr_rms vs run
χ^2 / ndf 415.5 / 64
p0 1034 ± 0.902
1120
1100
1080
1060
1040
1020
1000
980

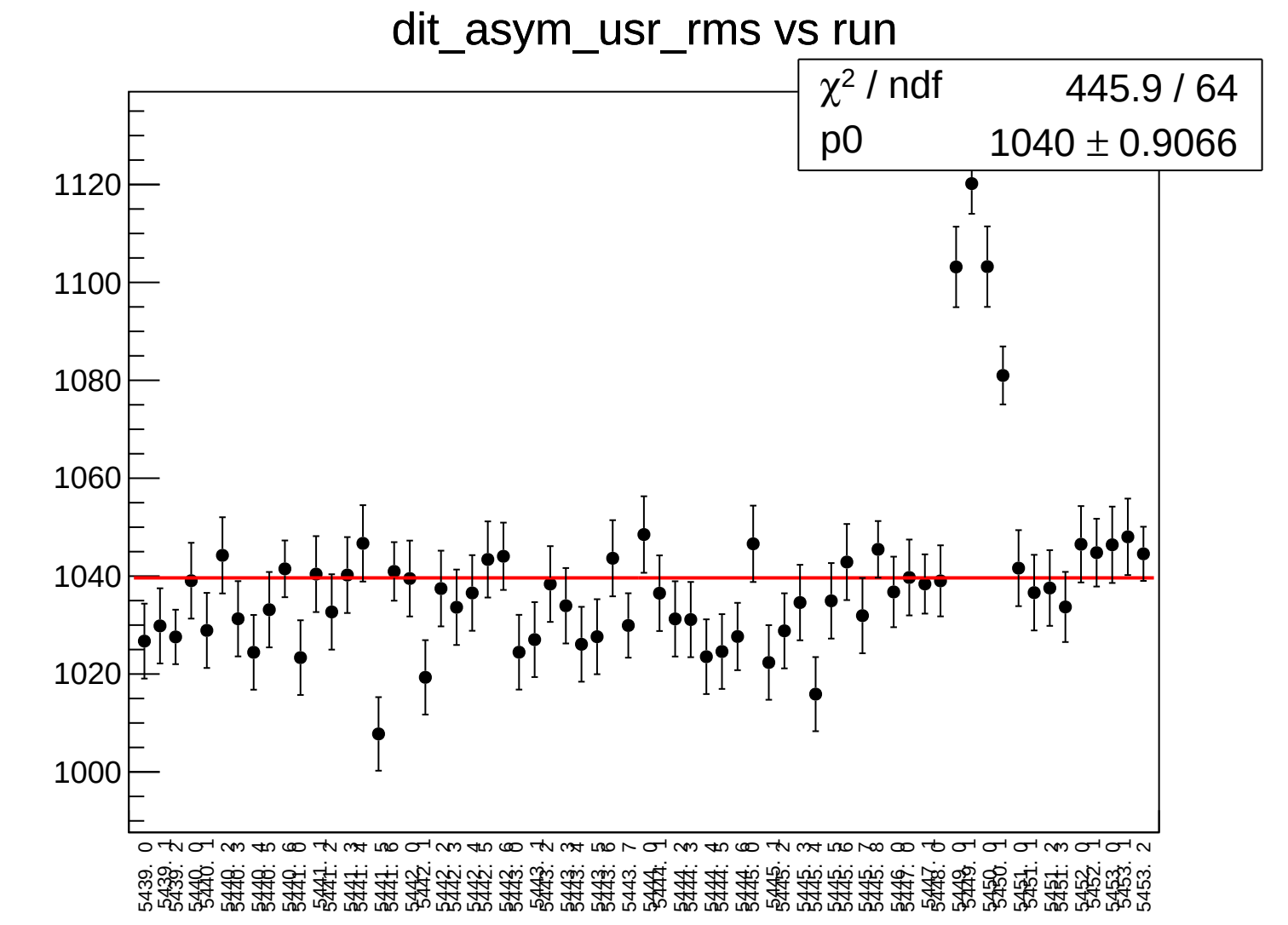

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 67.28 / 64
p0 2351 ± 1410
pull
Entries 65
Mean −34.33
Std Dev 0

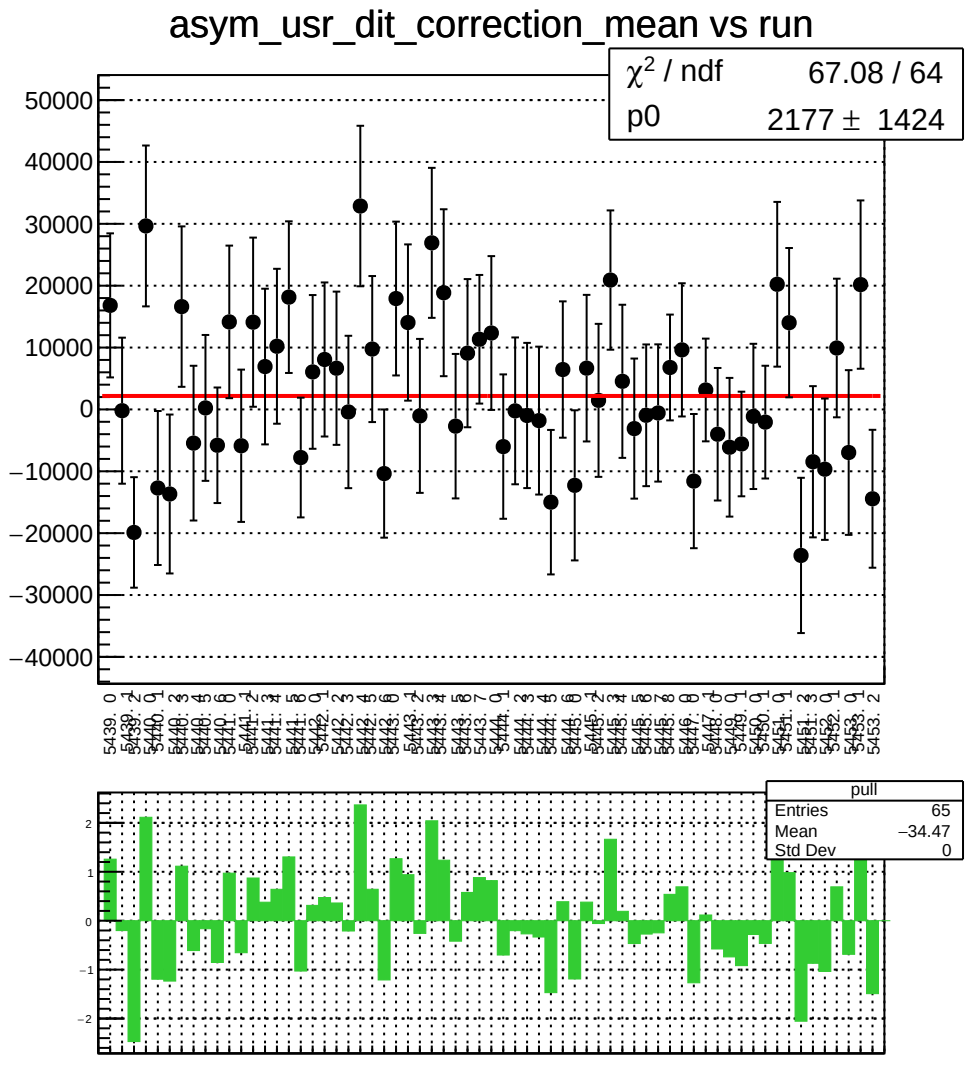

pull1D
Entries 65
Mean 0.04048
Std Dev 1.017

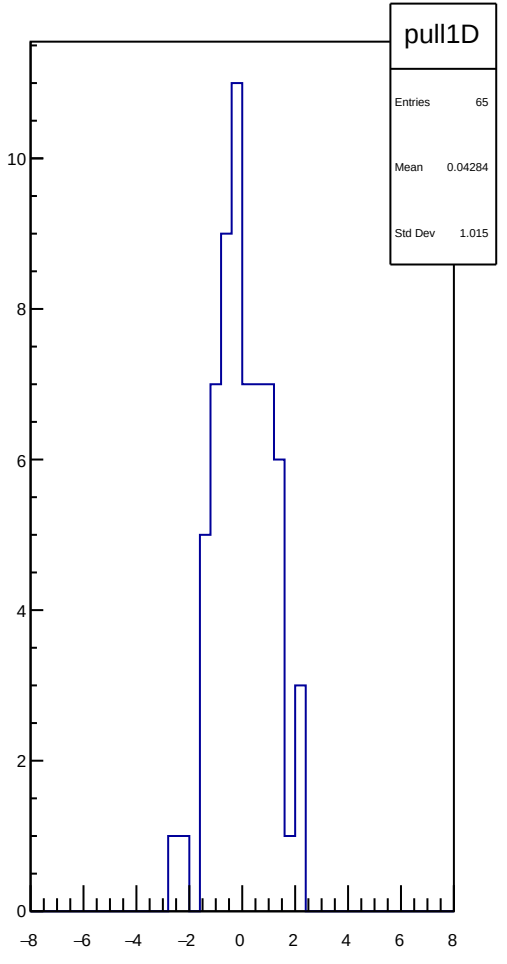

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 4663 / 64
p0 1141 ± 0.9968
1400
1350
1300
1250
1200
1150
1100
1050
1000

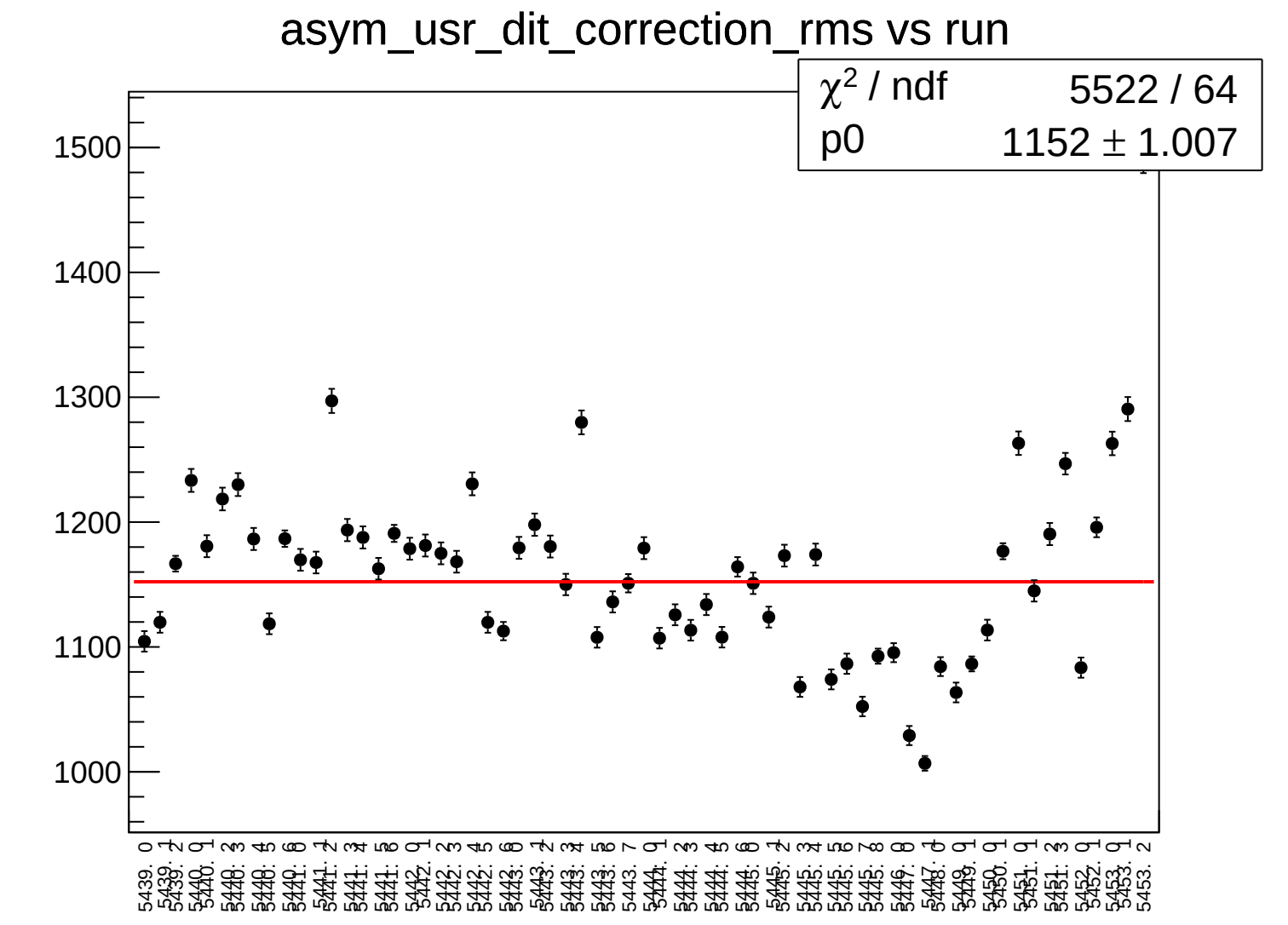

dit_asym_usr_mean vs run
χ^2 / ndf 70.62 / 64
p0 1969 ± 1282
pull
Entries 65
Mean −234
Std Dev 0

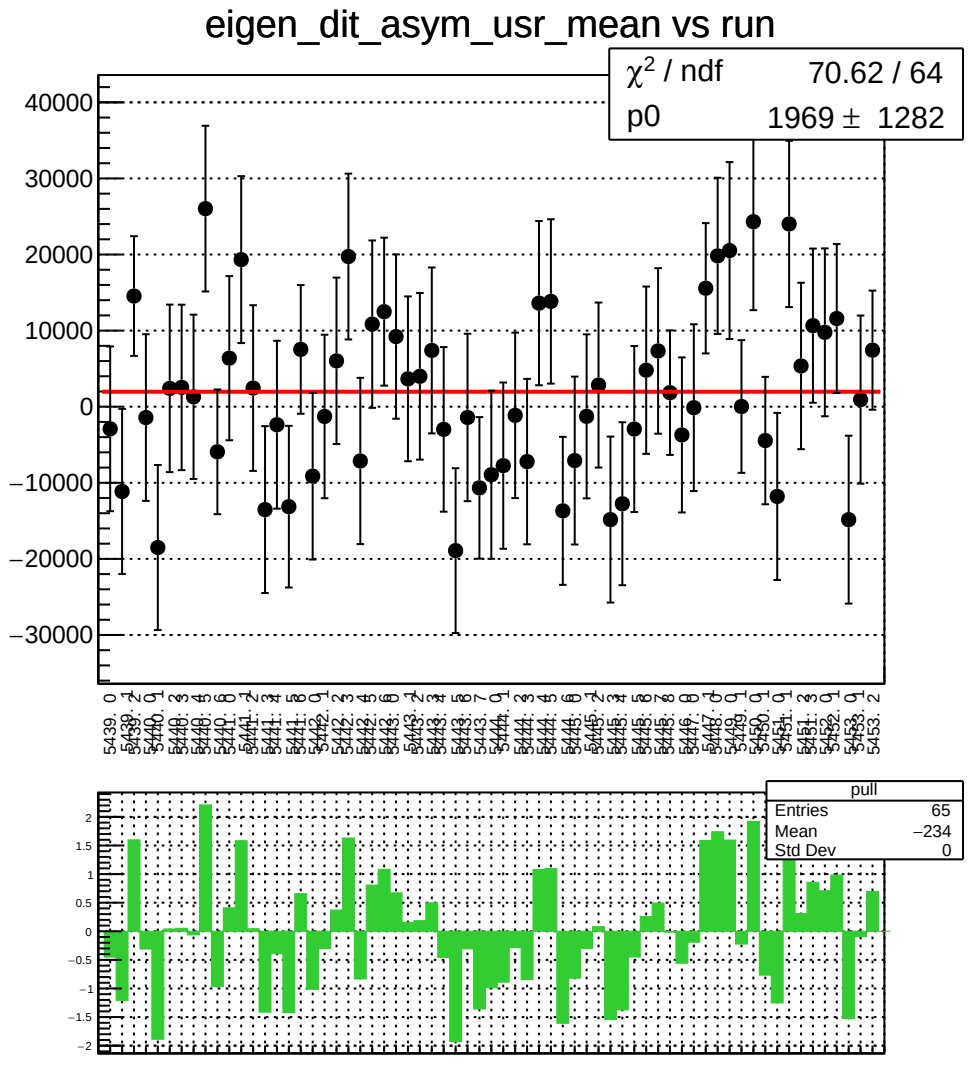

pull1D
Entries 65
Mean −0.009356
Std Dev 1.042

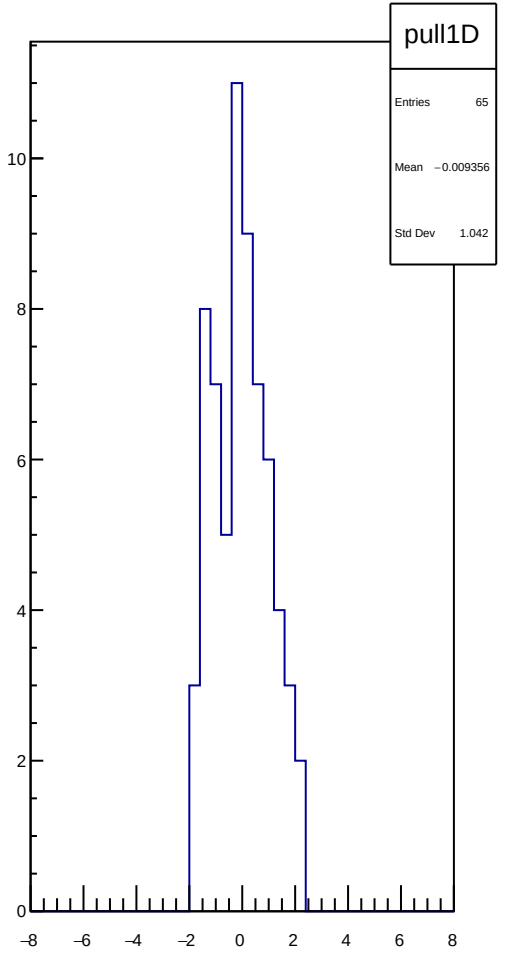

dit_asym_usr_rms vs run
χ² / ndf 445.9 / 64
p0 1040 ± 0.9066
1120
1100
1080
1060
1040
1020
1000

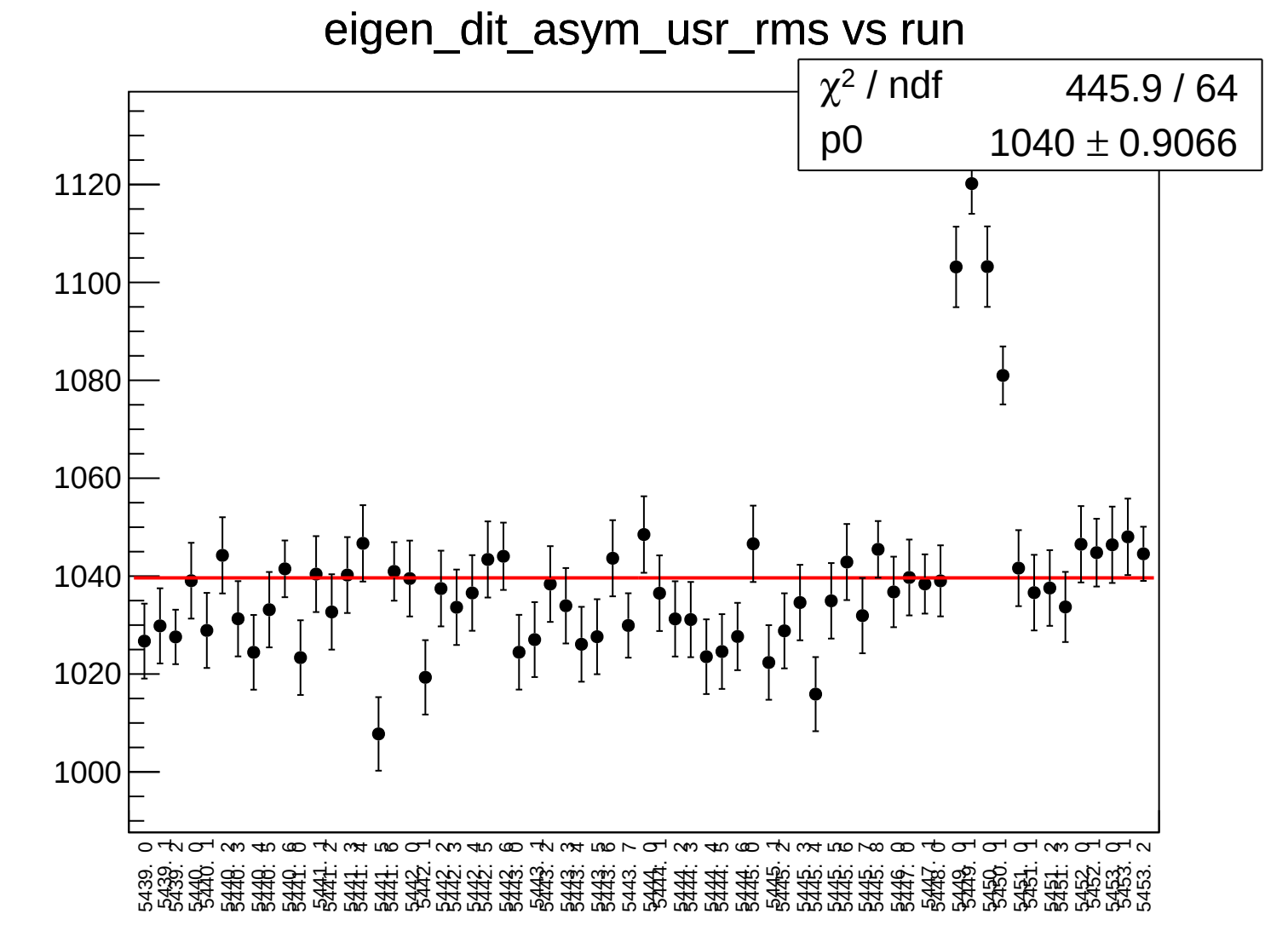

asym_usr_dit_correction_mean vs run
χ² / ndf 67.08 / 64
p0 2177 ± 1424
pull
Entries 65
Mean −34.47
Std Dev 0

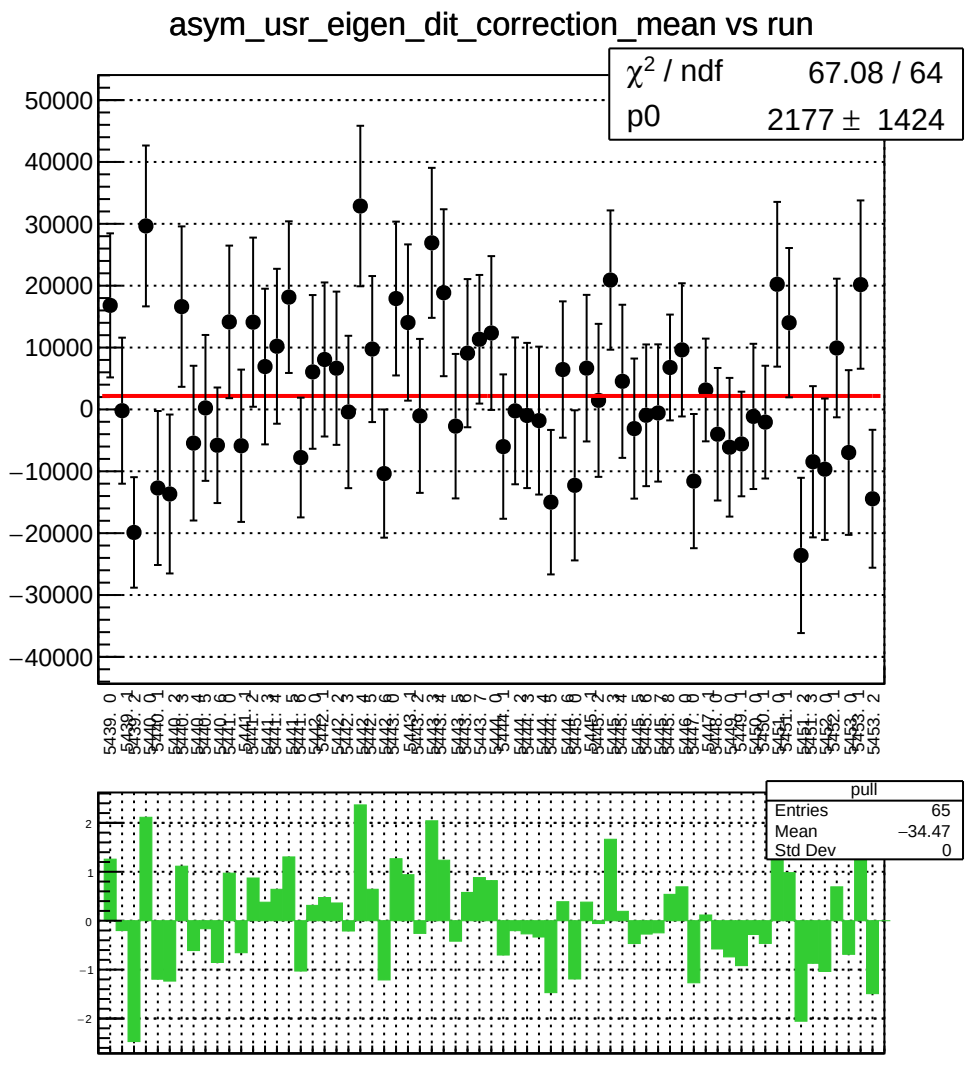

pull1D
Entries 65
Mean 0.04284
Std Dev 1.015

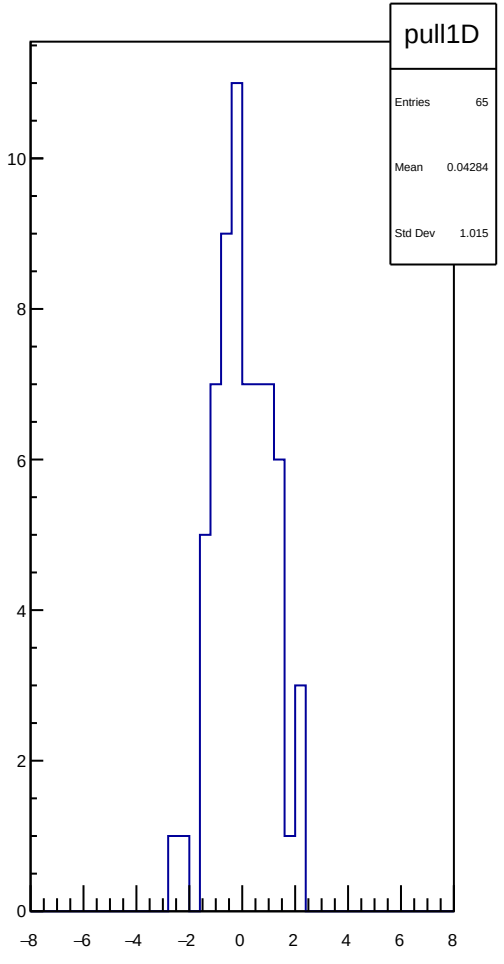

asym_usr_dit_correction_rms vs run
χ² / ndf 5522 / 64
p0 1152 ± 1.007
1500
1400
1300
1200
1100
1000

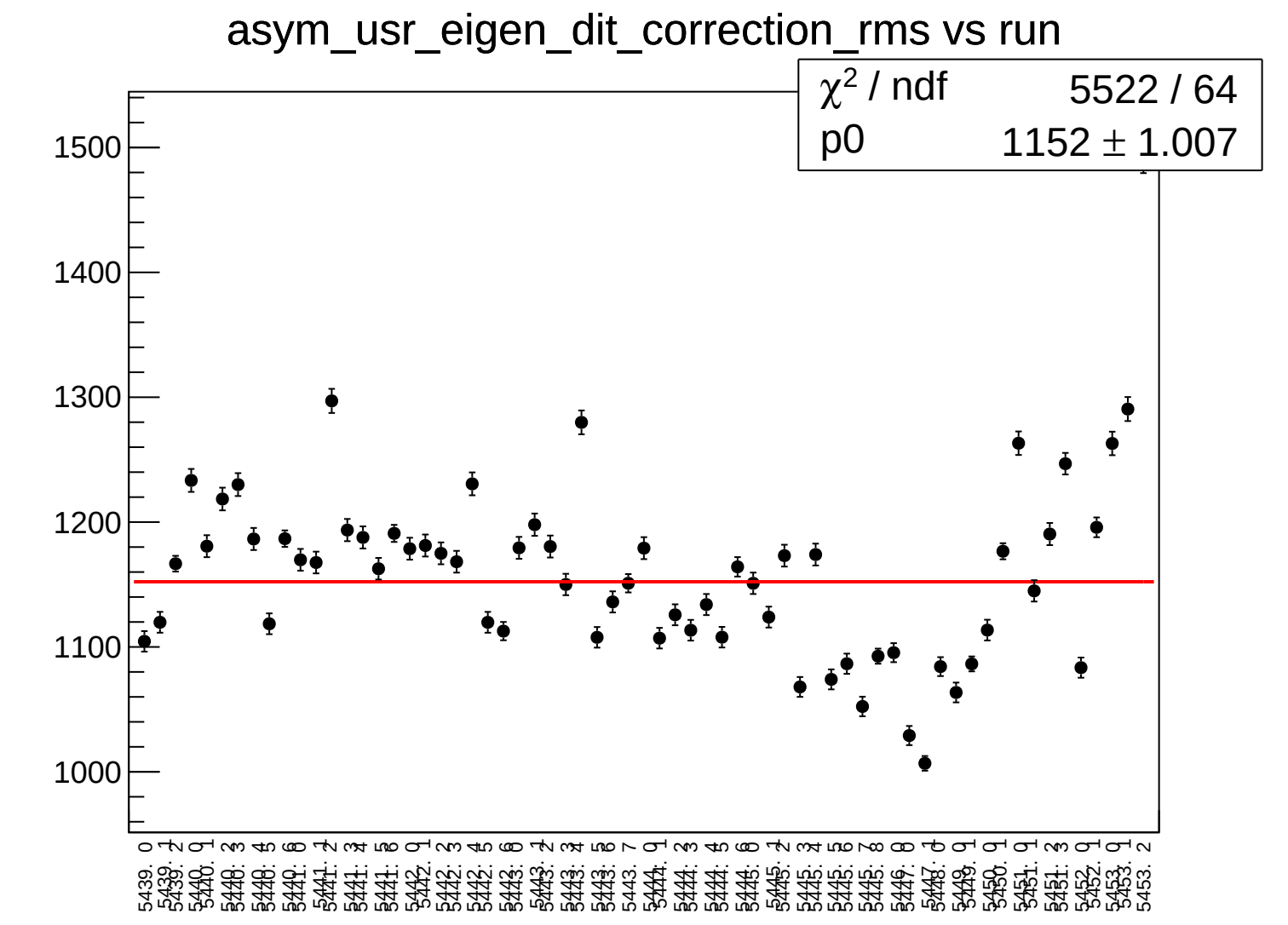

eigen_dit_asym_usr_mean vs run
χ² / ndf 70.62 / 64
p0 1969 ± 1282
pull
Entries 65
Mean −234
Std Dev 0

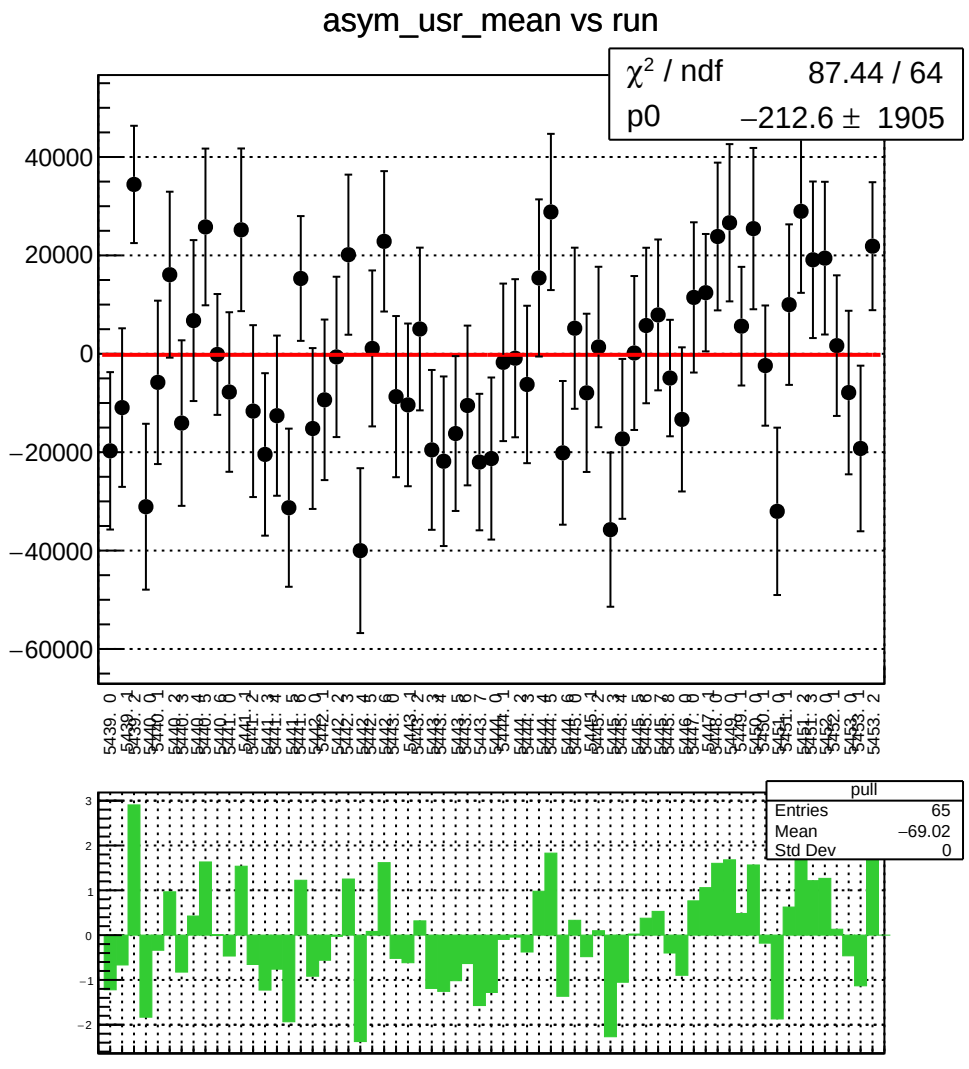

pull1D
Entries 65
Mean −0.009356
Std Dev 1.042

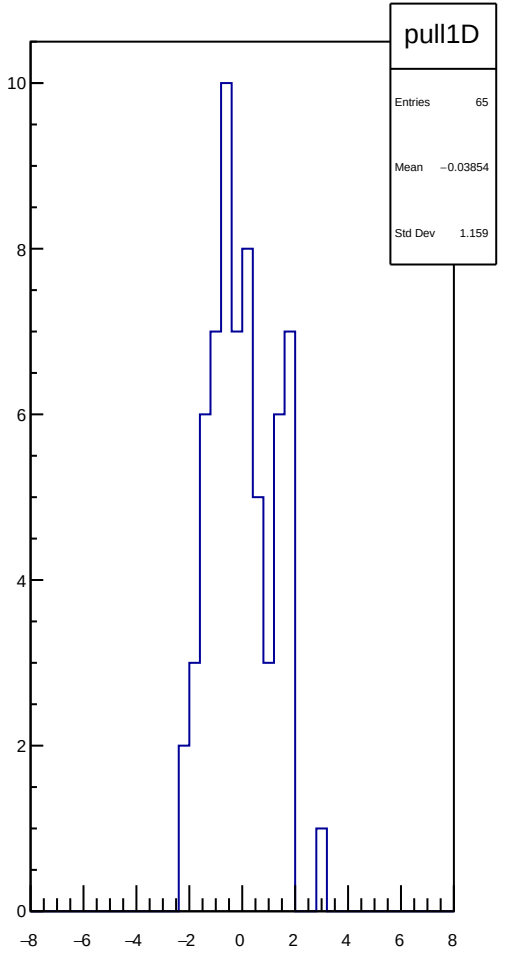

eigen_dit_asym_usr_rms vs run
χ² / ndf 445.9 / 64
p0 1040 ± 0.9066
1120
1100
1080
1060
1040
1020
1000

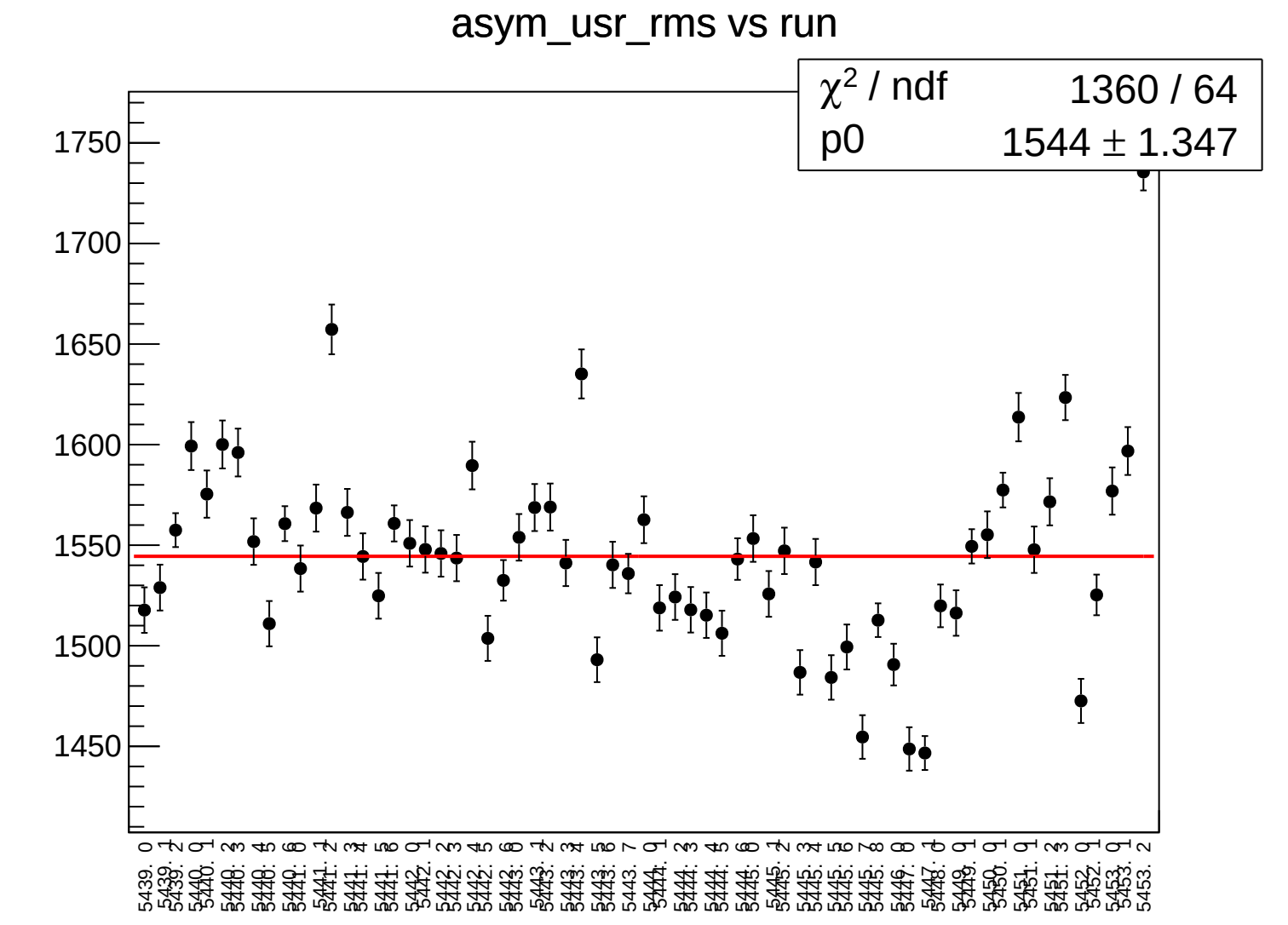

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 67.08 / 64
p0 2177 ± 1424
pull
Entries 65
Mean −34.47
Std Dev 0

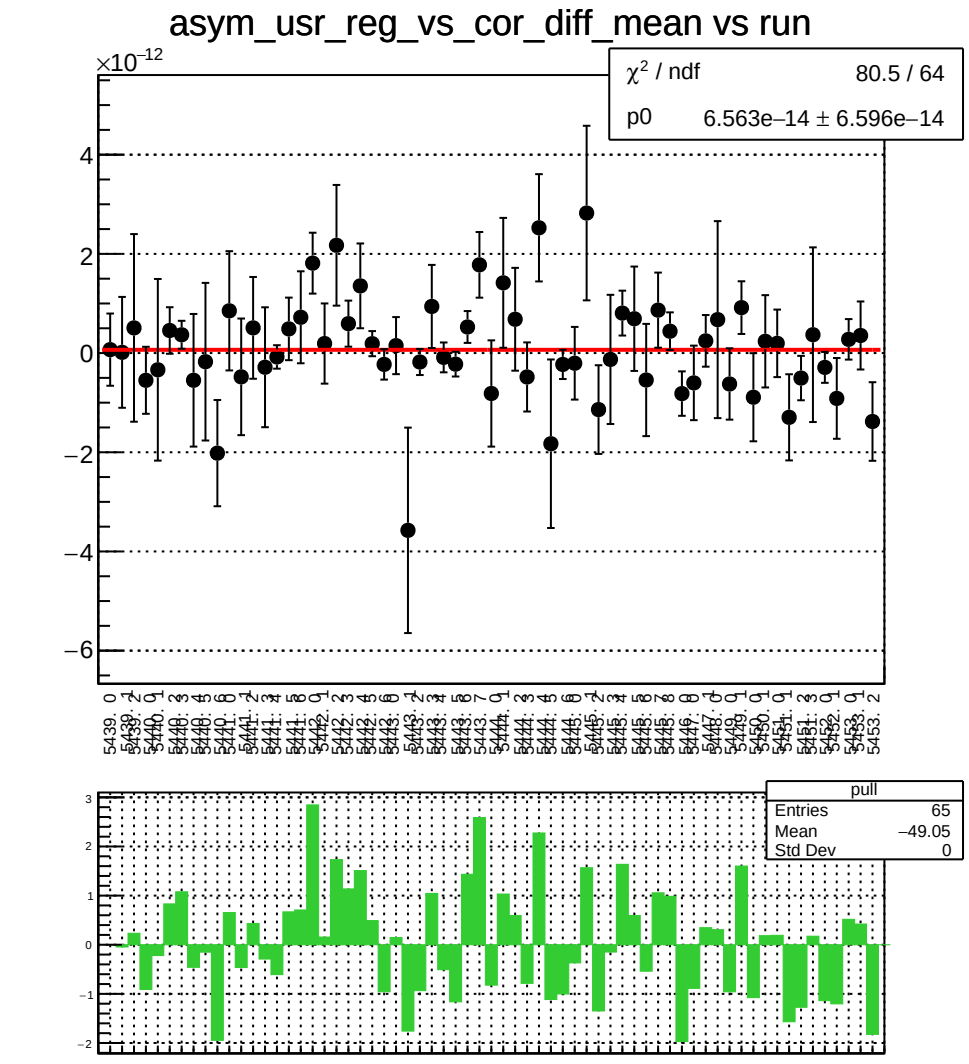

pull1D
Entries 65
Mean 0.04284
Std Dev 1.015

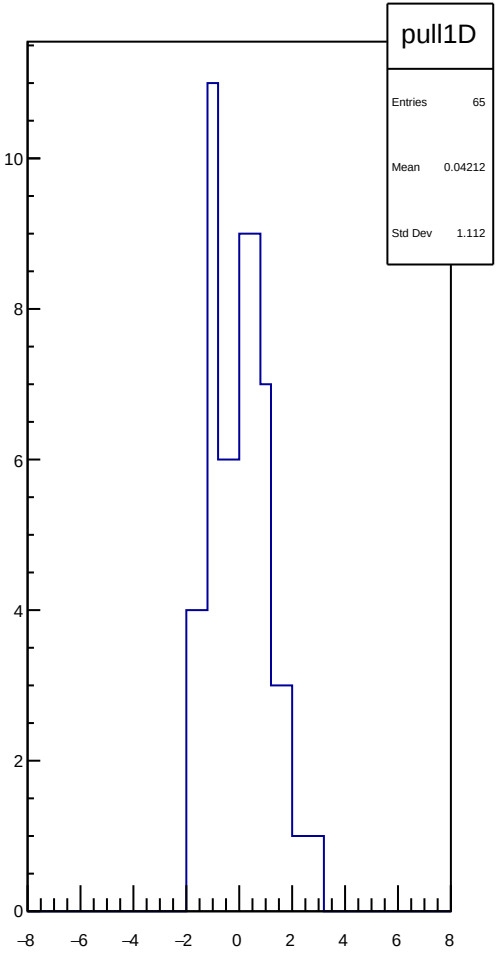

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 5522 / 64
p0 1152 ± 1.007
1500
1400
1300
1200
1100
1000

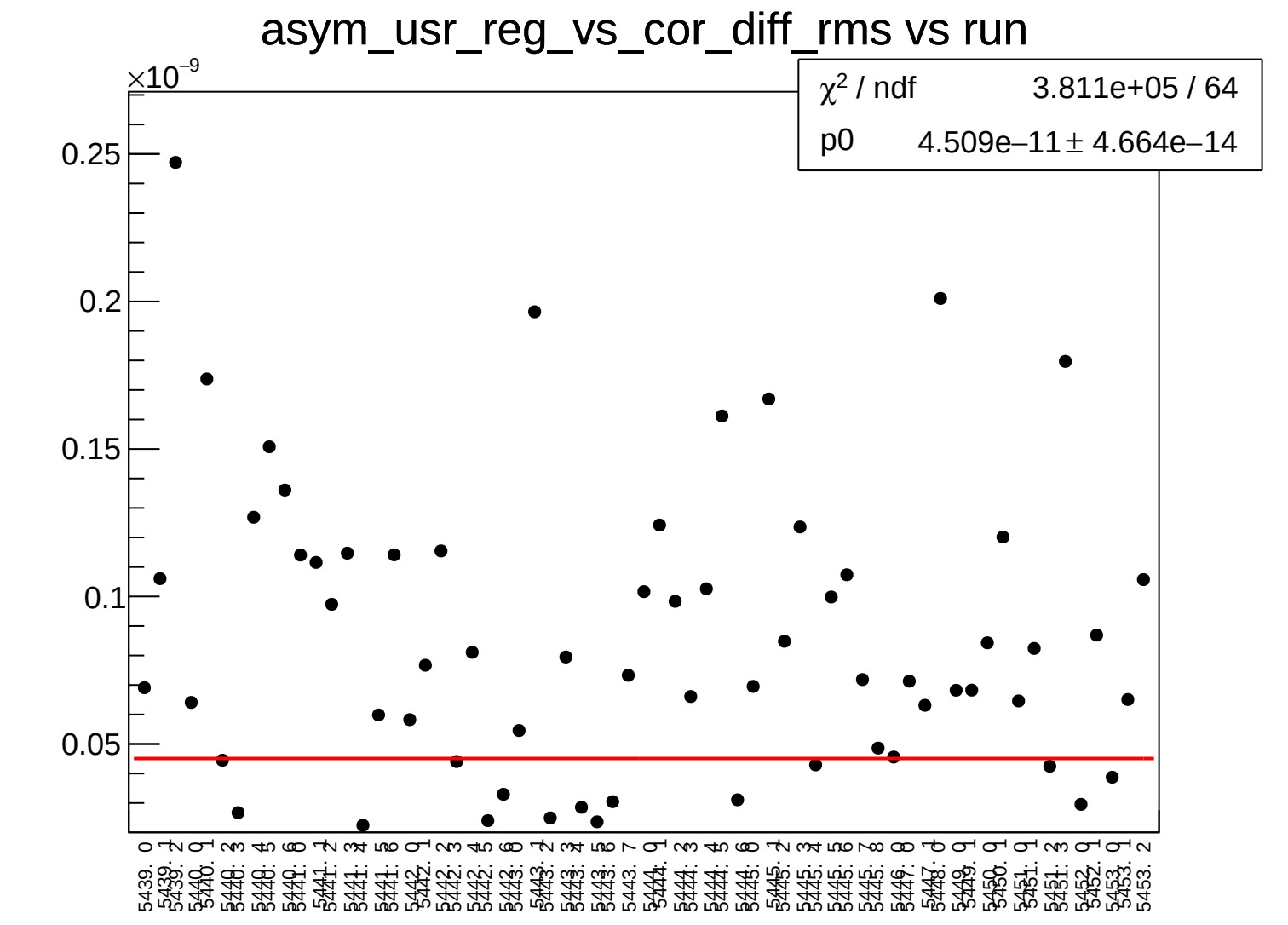

asym_usr_mean vs run
χ² / ndf 87.44 / 64
p0 −212.6 ± 1905
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −69.02
Std Dev 0
3
2
1
0
−1
−2

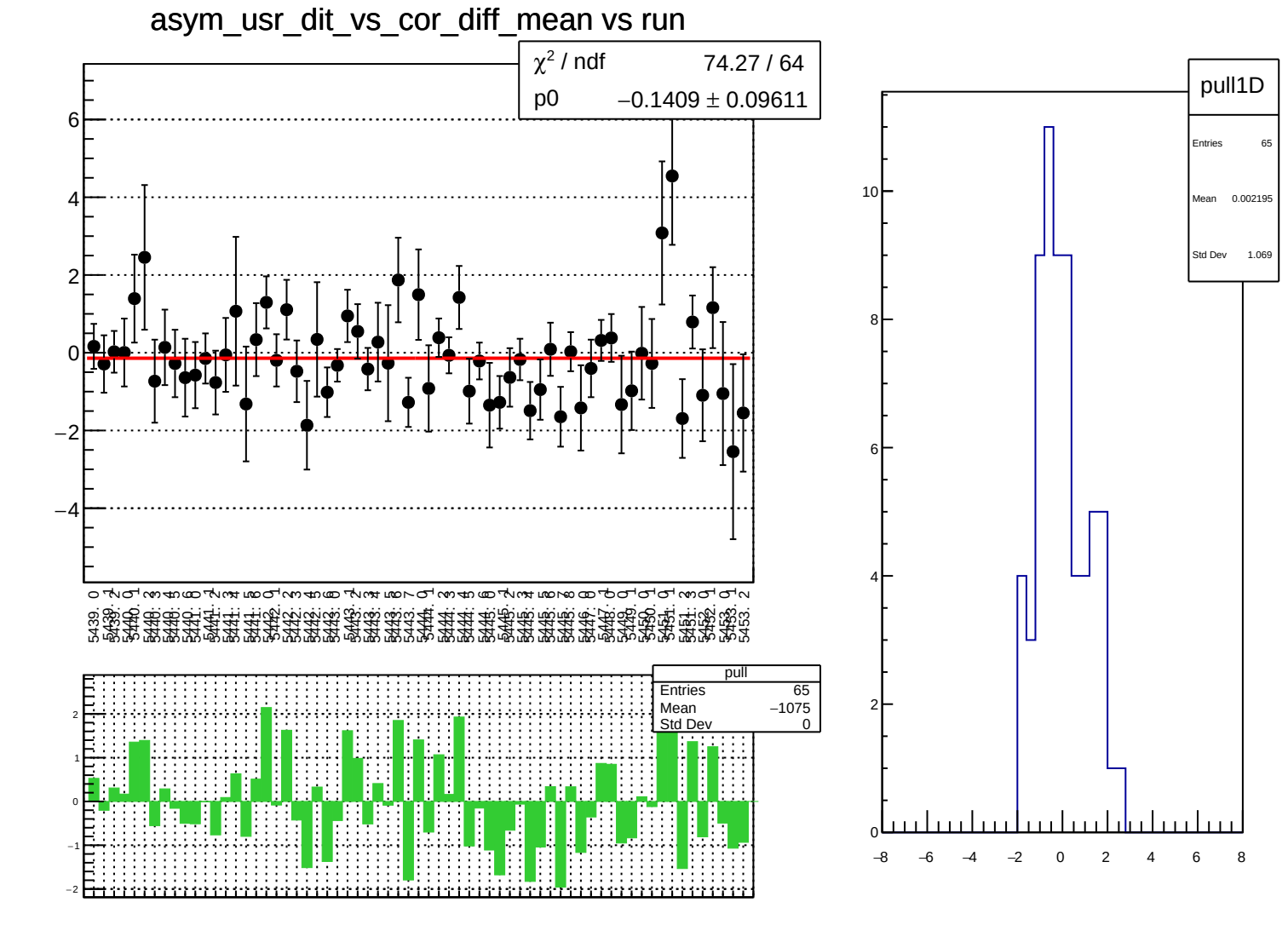

pull1D
Entries 65
Mean −0.03854
Std Dev 1.159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

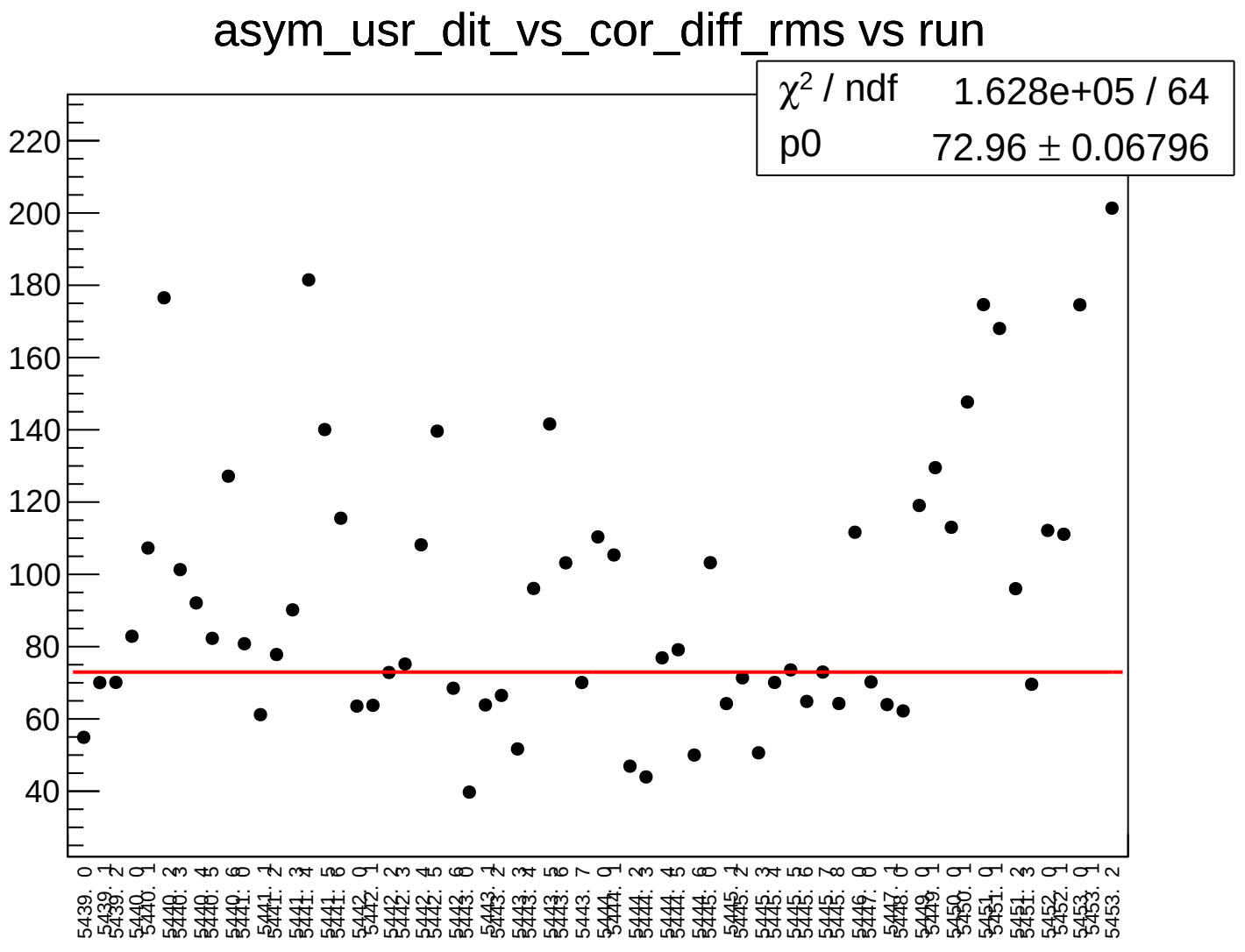

asym_usr_rms vs run
χ^2 / ndf 1360 / 64
p0 1544 ± 1.347
1750
1700
1650
1600
1550
1500
1450

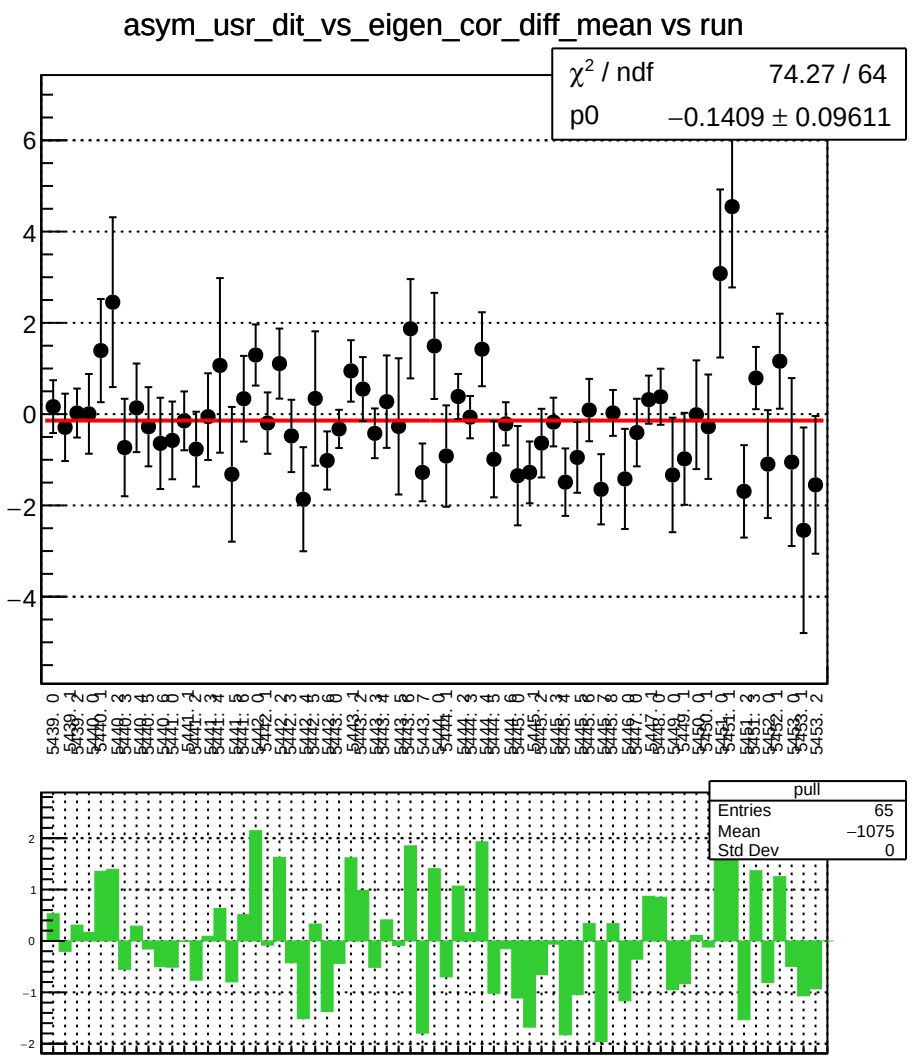

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.5 / 64
p0 6.563e−14 ± 6.596e−14
pull
Entries 65
Mean −49.05
Std Dev 0

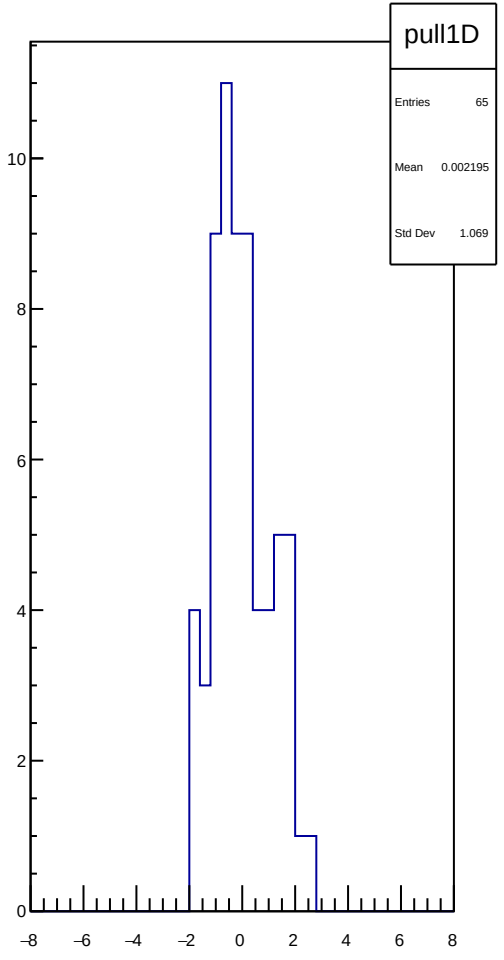

pull1D
Entries 65
Mean 0.04212
Std Dev 1.112

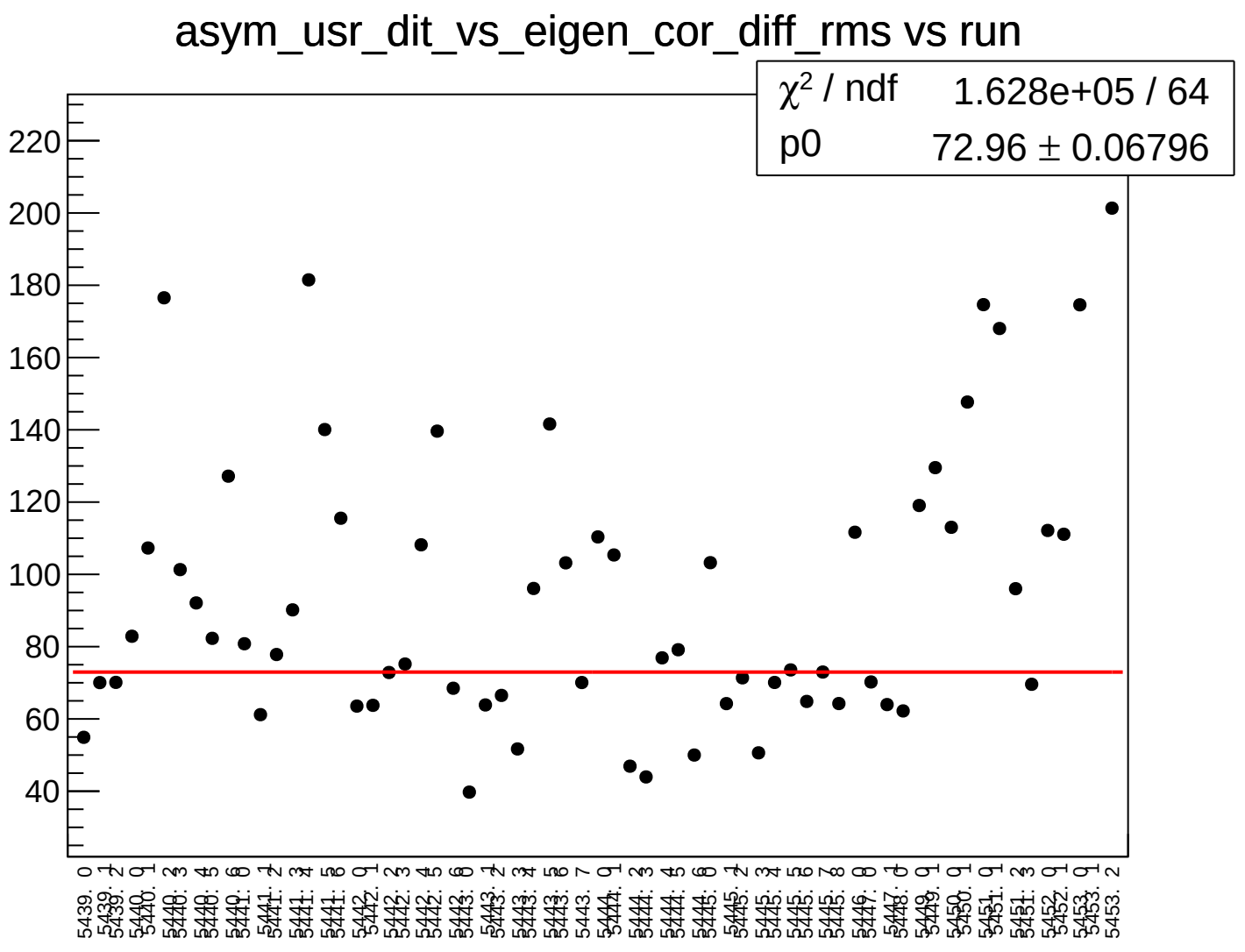

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.811e+05 / 64
p0 4.509e−11 ± 4.664e−14
0.25
0.2
0.15
0.1
0.05

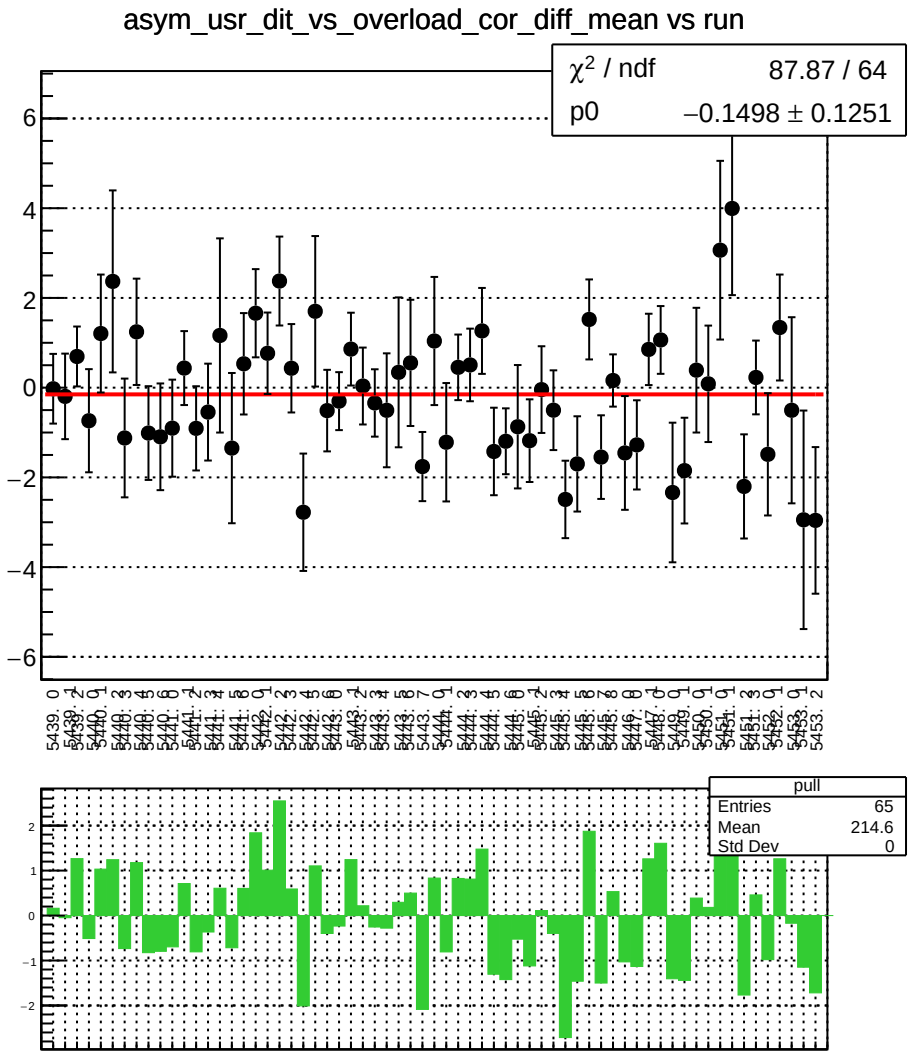

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 74.27 / 64
p0 −0.1409 ± 0.09611
pull
Entries 65
Mean −1075
Std Dev 0
pull1D
Entries 65
Mean 0.002195
Std Dev 1.069

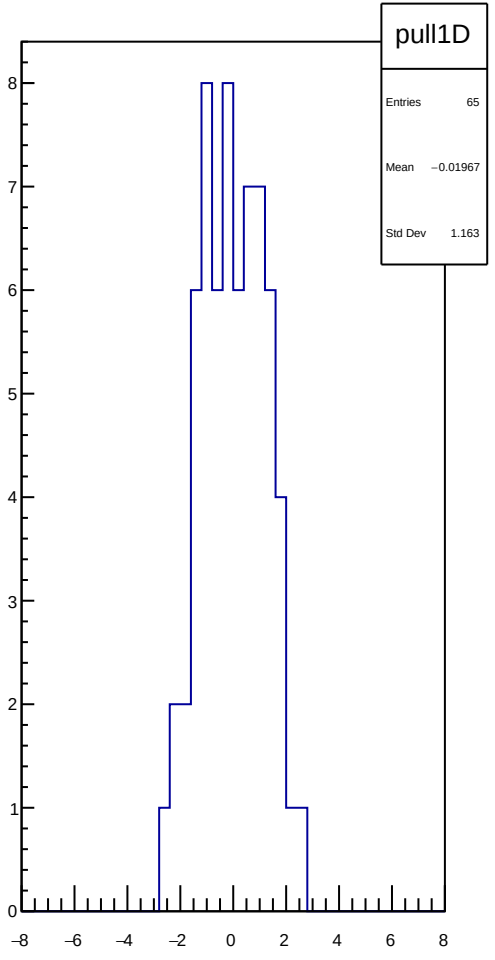

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 1.628e+05 / 64
p0 72.96 ± 0.06796
220
200
180
160
140
120
100
80
60
40

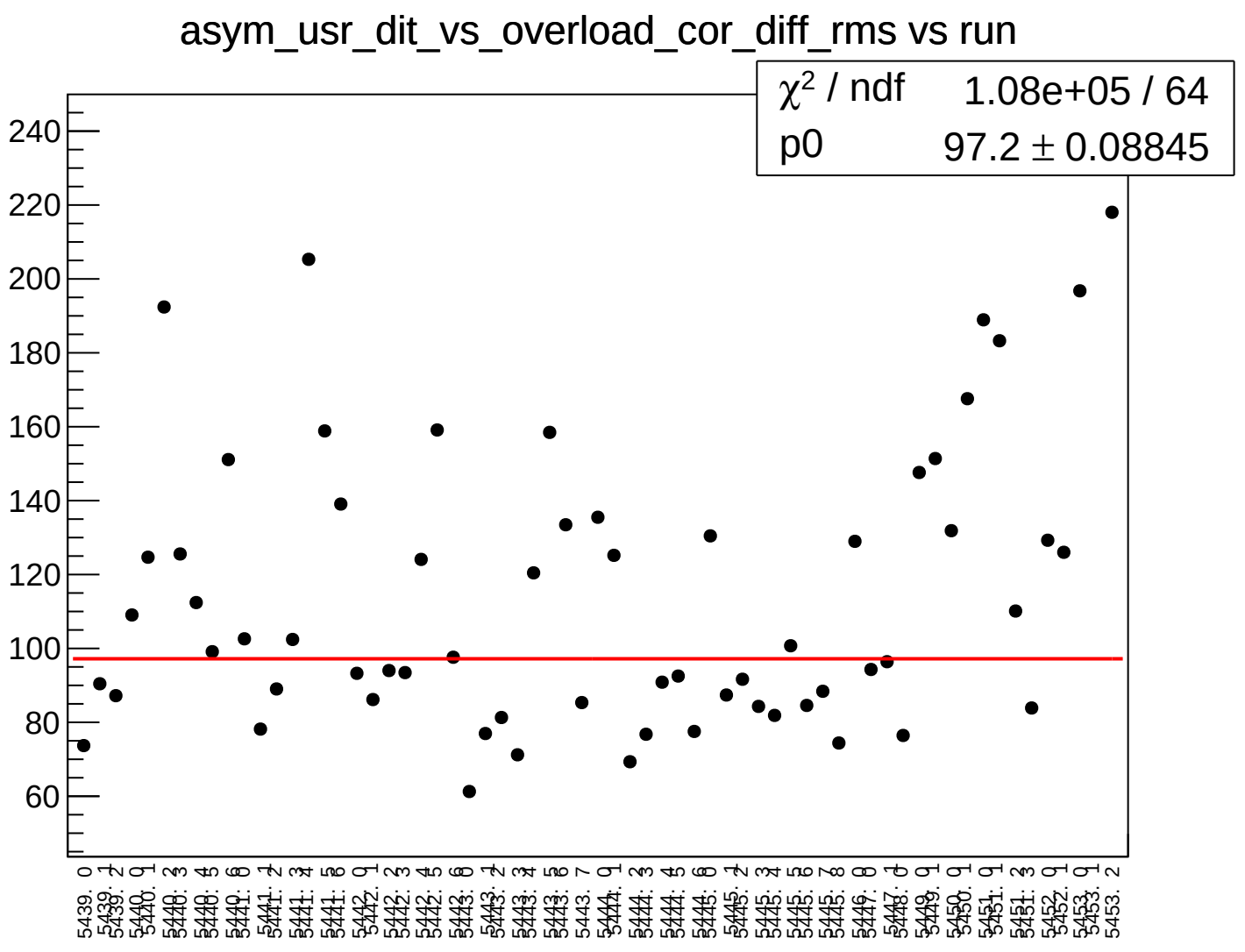

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.27 / 64
p0 −0.1409 ± 0.09611
pull
Entries 65
Mean −1075
Std Dev 0

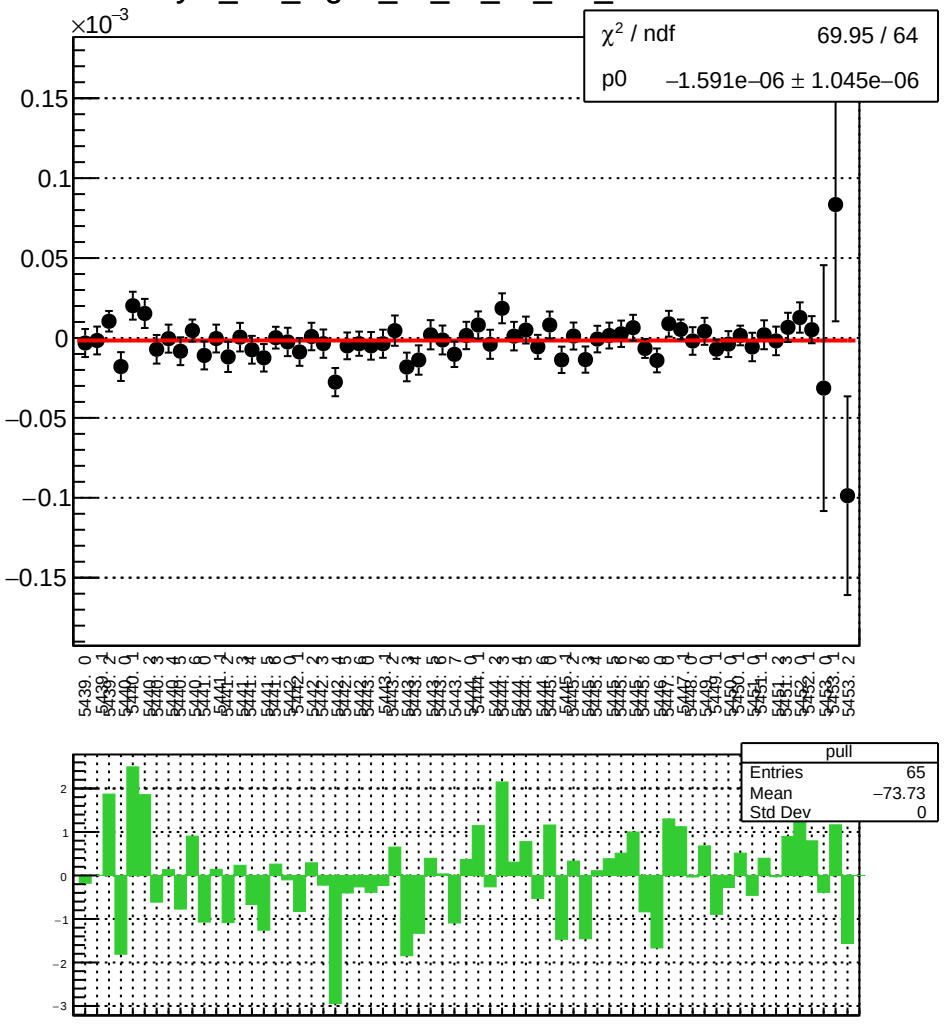

pull1D
Entries 65
Mean 0.002195
Std Dev 1.069

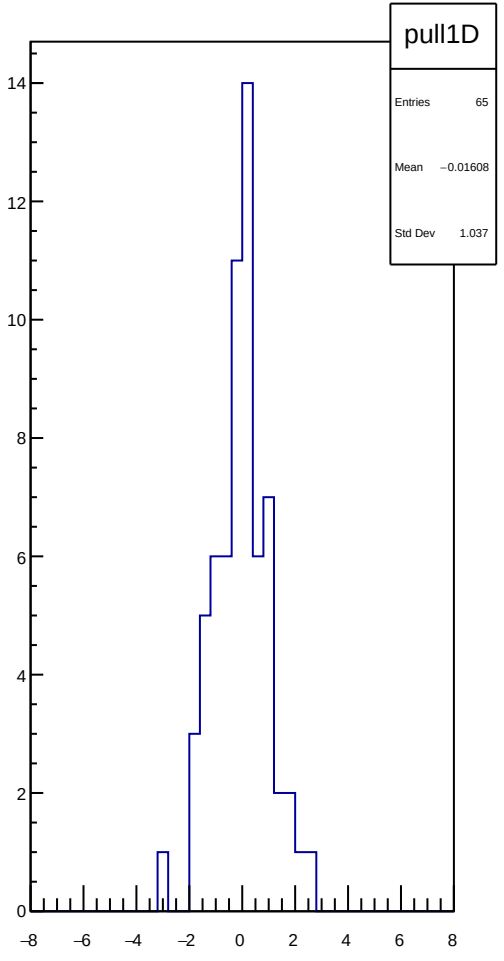

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.628e+05 / 64
p0 72.96 ± 0.06796
220
200
180
160
140
120
100
80
60
40

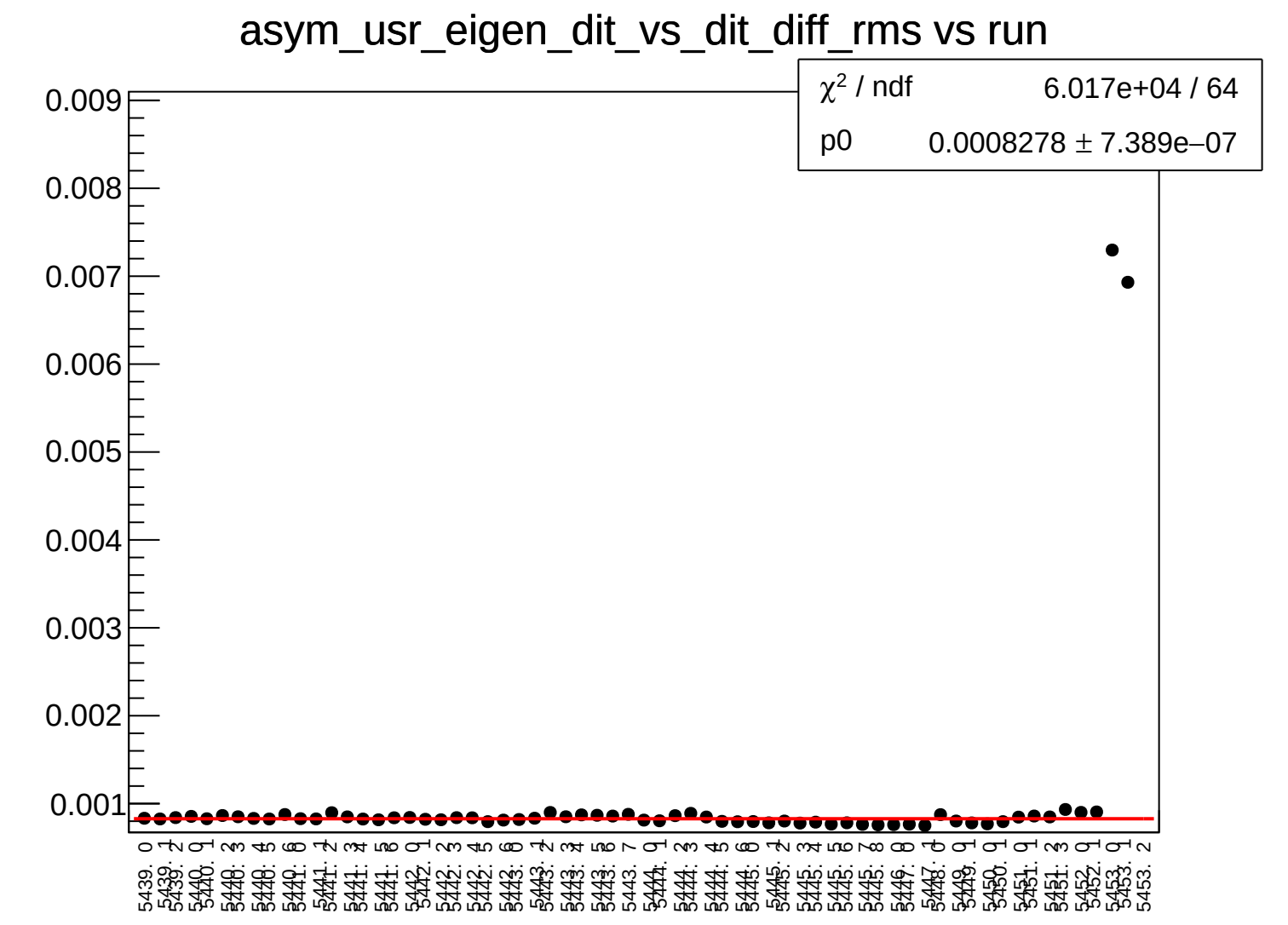

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 87.87 / 64
p0 −0.1498 ± 0.1251
pull
Entries 65
Mean 214.6
Std Dev 0

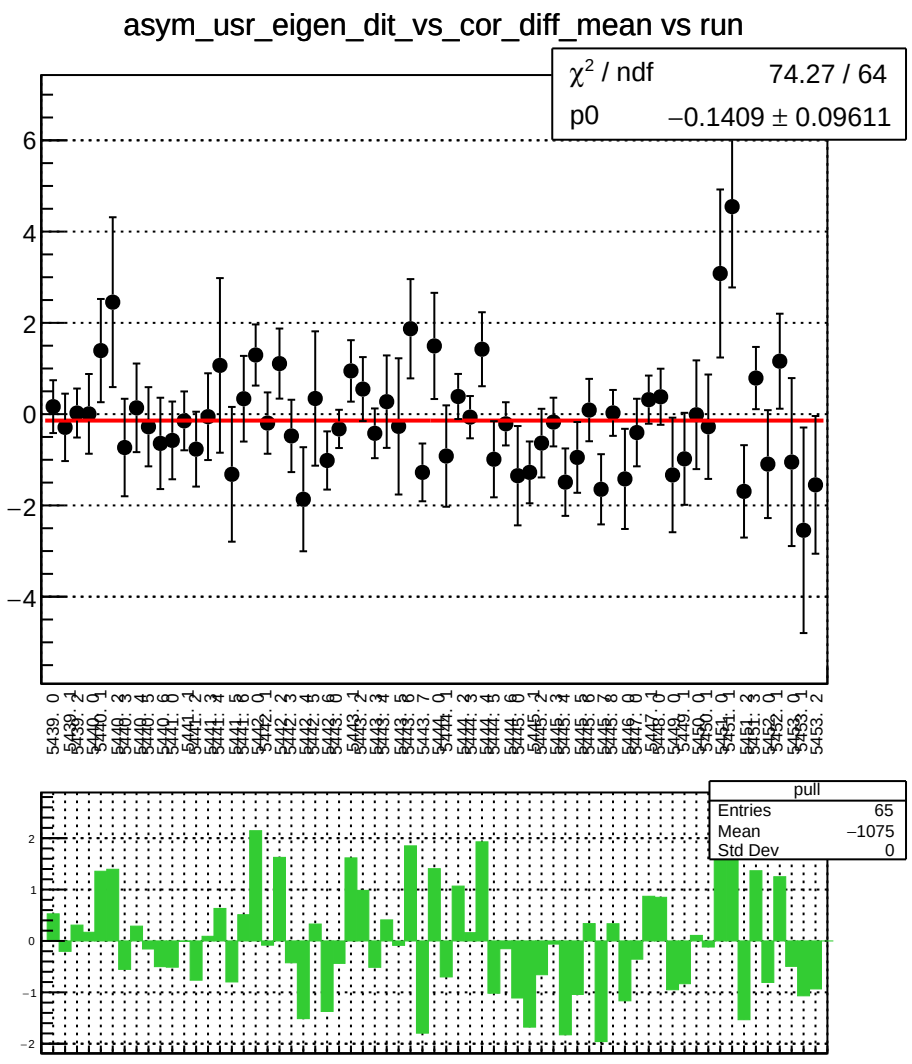

pull1D
Entries 65
Mean −0.01967
Std Dev 1.163

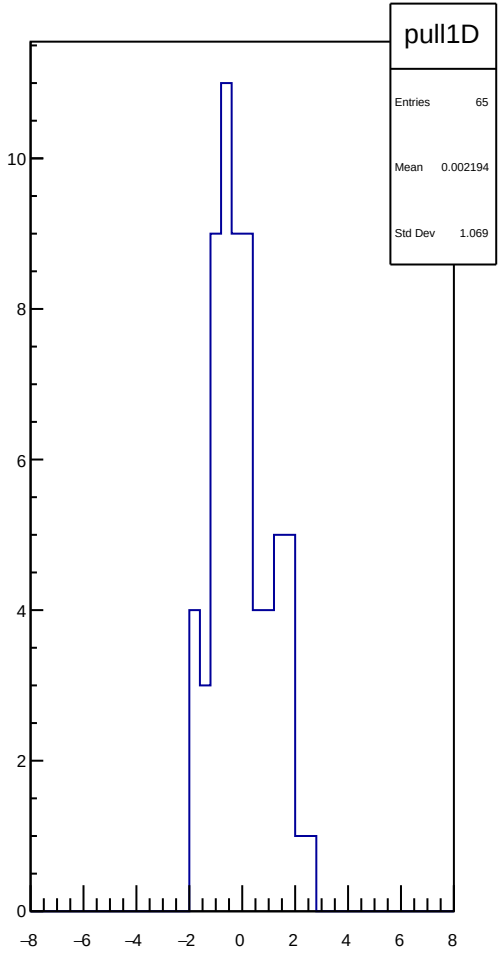

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.08e+05 / 64
p0 97.2 ± 0.08845
240
220
200
180
160
140
120
100
80
60

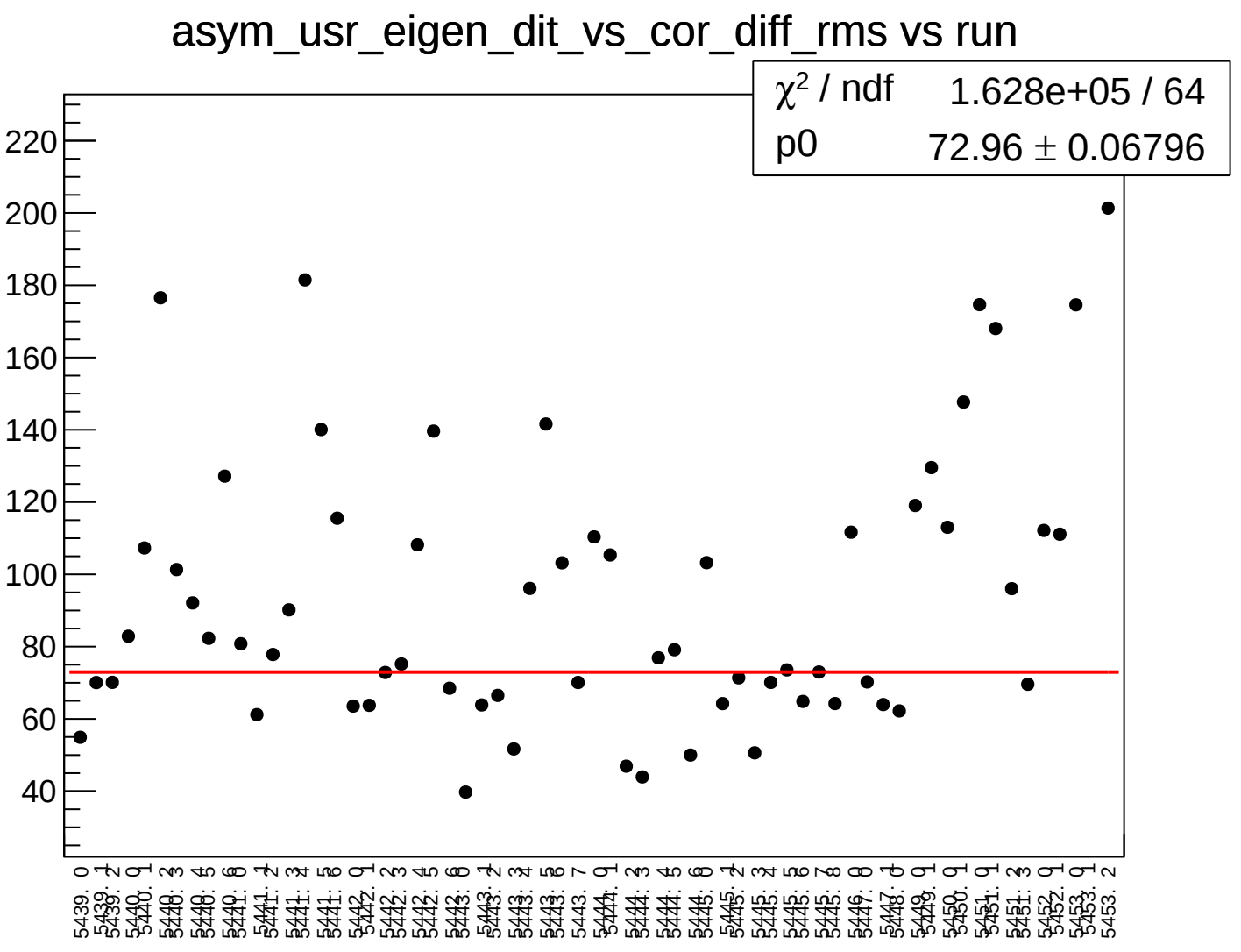

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.95 / 64
p0 −1.591e−06 ± 1.045e−06
pull
Entries 65
Mean −73.73
Std Dev 0

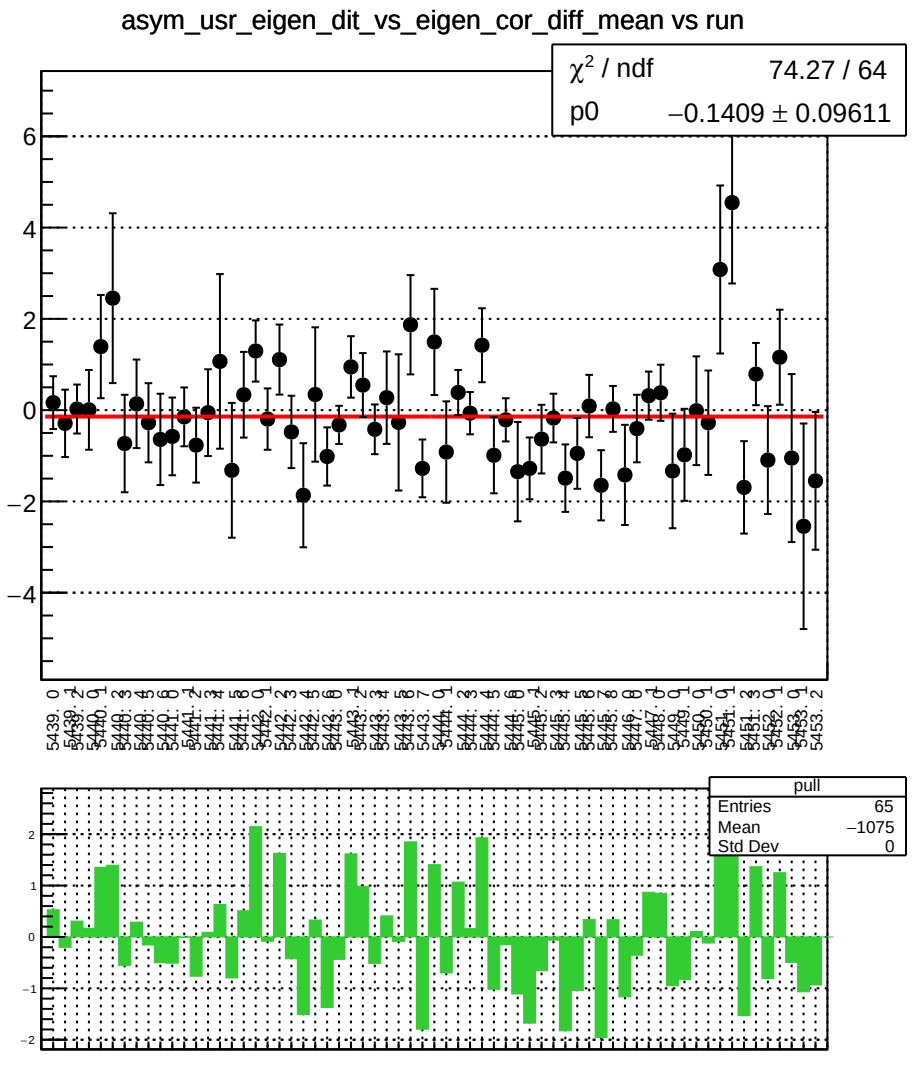

pull1D
Entries 65
Mean −0.01608
Std Dev 1.037

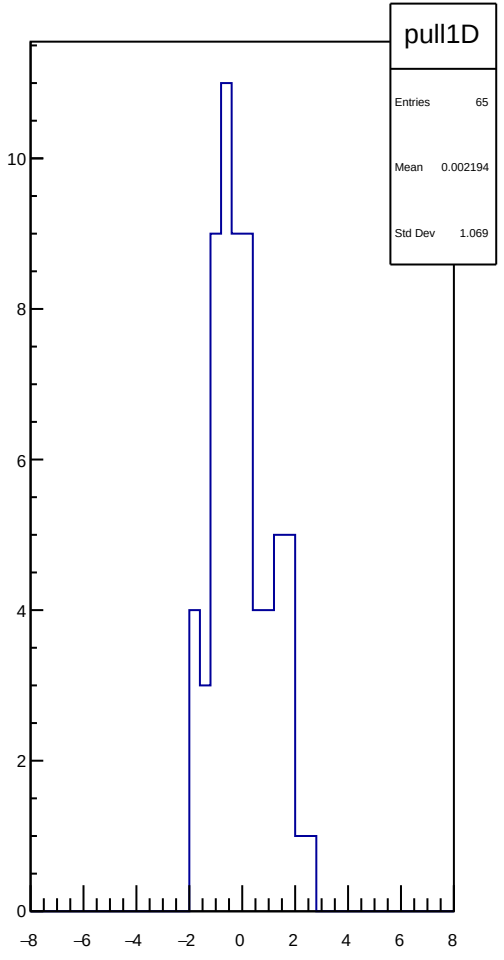

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.017e+04 / 64
p0 0.0008278 ± 7.389e−07
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

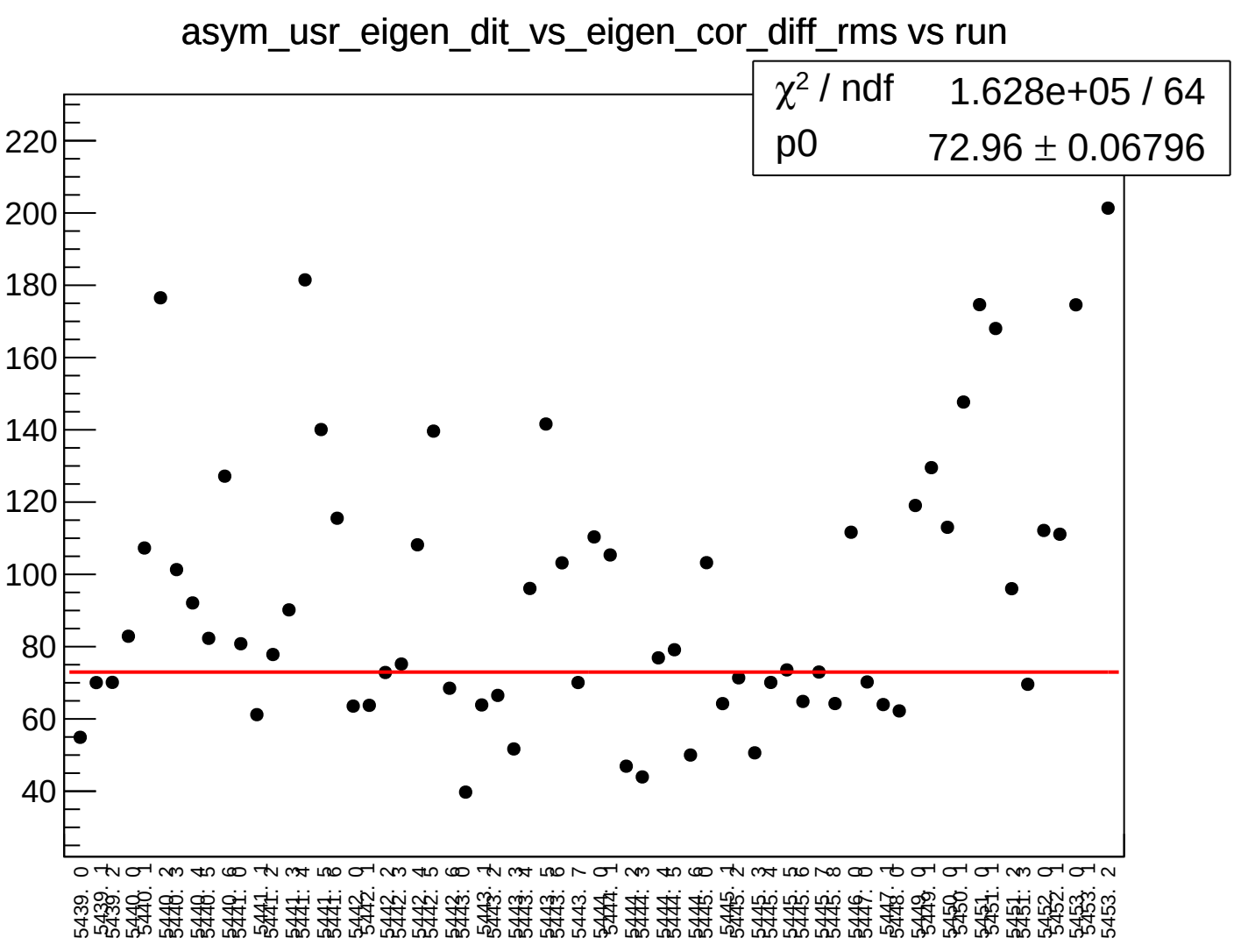

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.27 / 64
p0 −0.1409 ± 0.09611
pull
Entries 65
Mean −1075
Std Dev 0

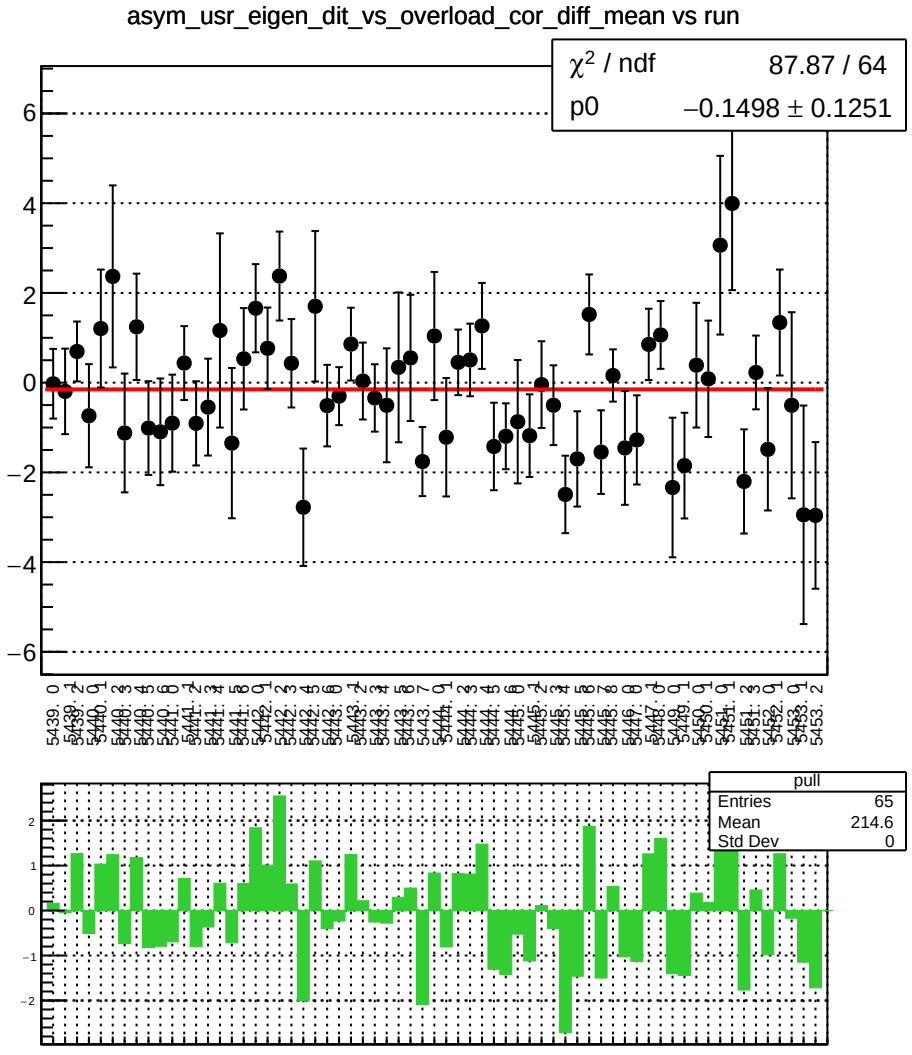

pull1D
Entries 65
Mean 0.002194
Std Dev 1.069

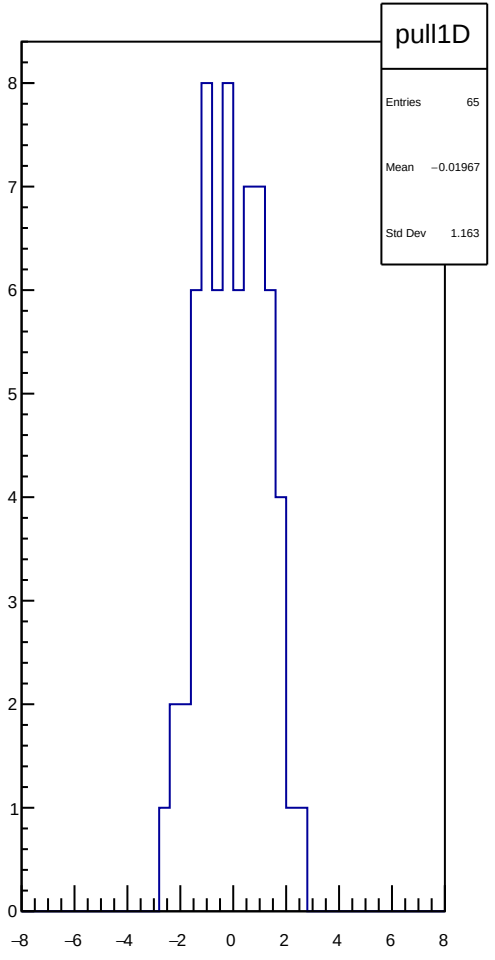

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.628e+05 / 64
p0 72.96 ± 0.06796
220
200
180
160
140
120
100
80
60
40

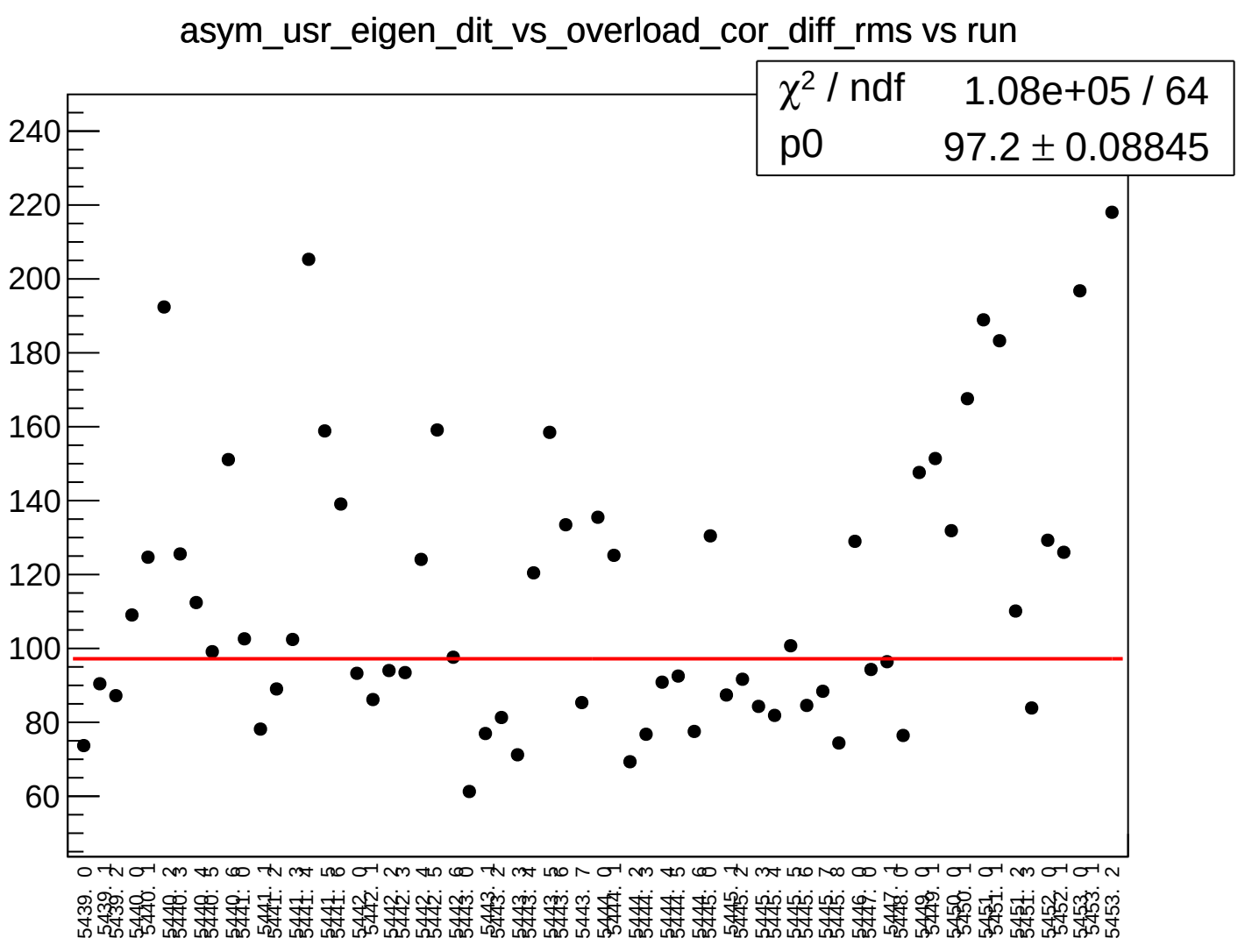

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.27 / 64
p0 −0.1409 ± 0.09611
pull
Entries 65
Mean −1075
Std Dev 0

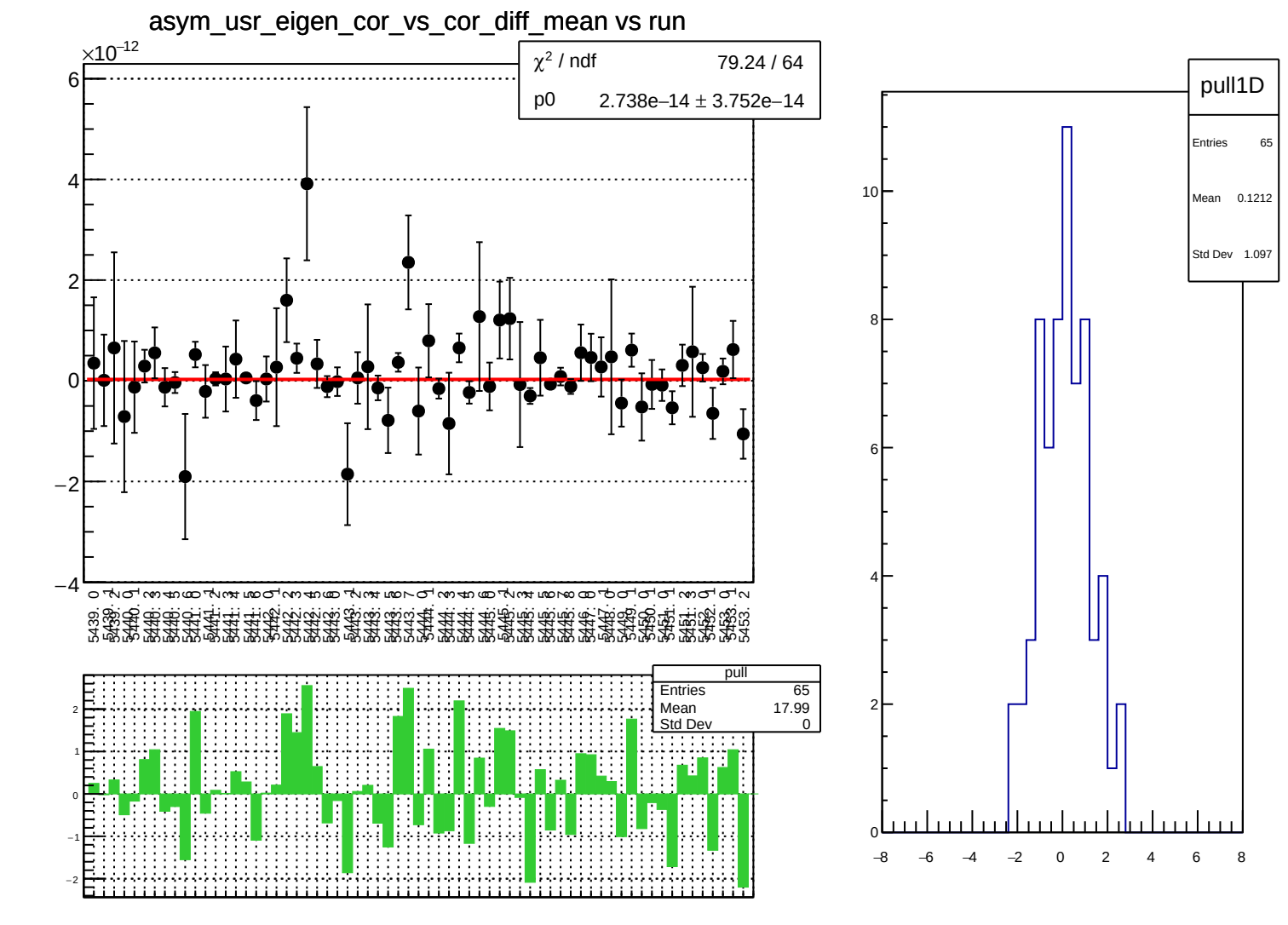

pull1D
Entries 65
Mean 0.002194
Std Dev 1.069

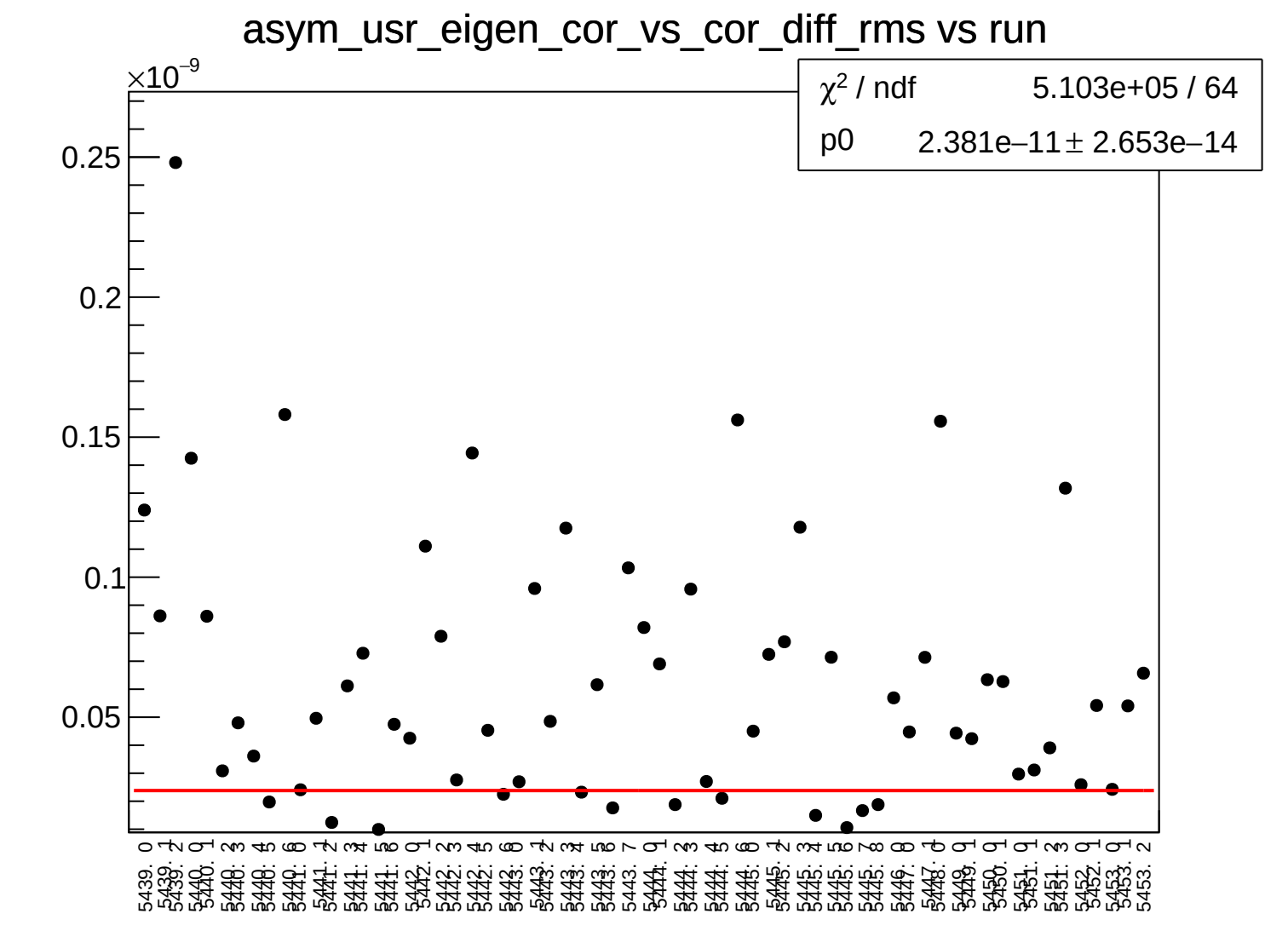

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.628e+05 / 64
p0 72.96 ± 0.06796
220
200
180
160
140
120
100
80
60
40

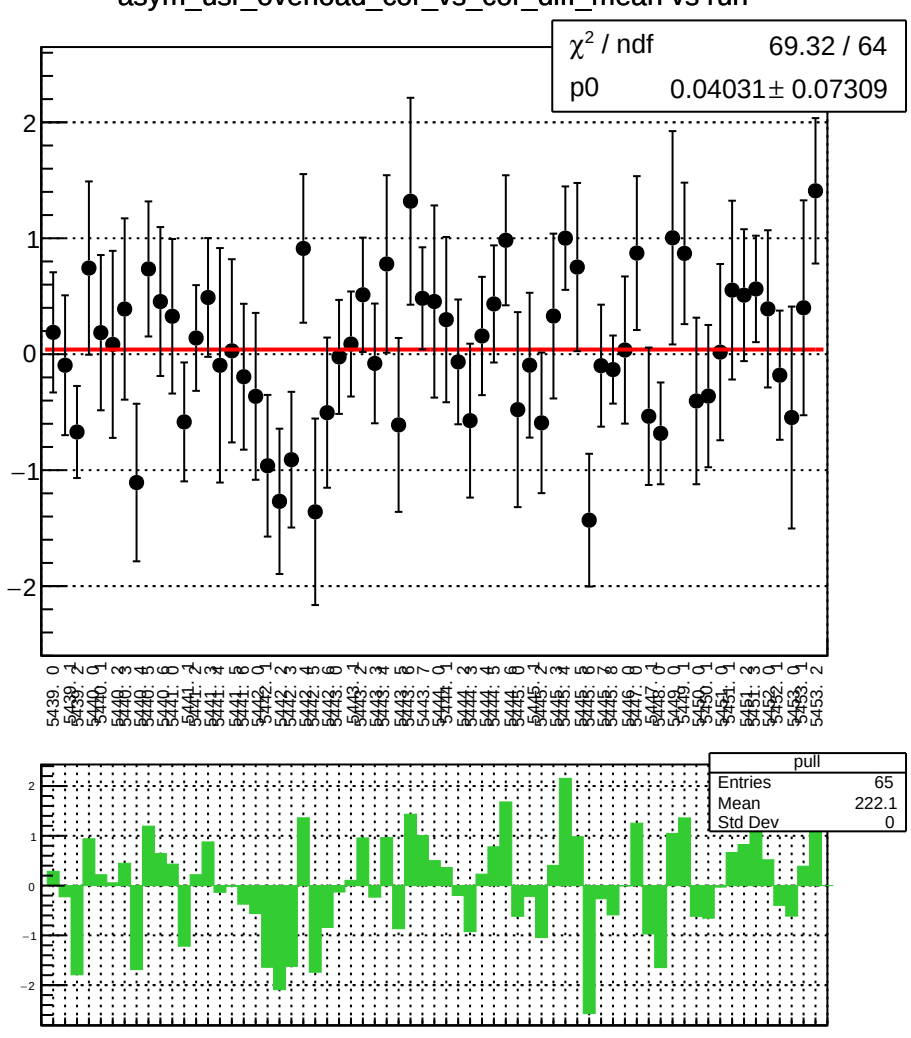

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 87.87 / 64
p0 −0.1498 ± 0.1251
pull
Entries 65
Mean 214.6
Std Dev 0

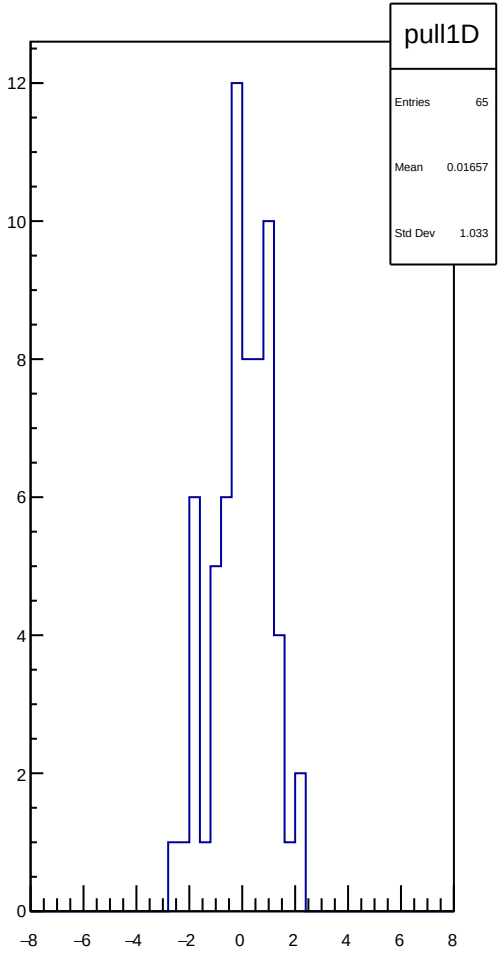

pull1D
Entries 65
Mean −0.01967
Std Dev 1.163

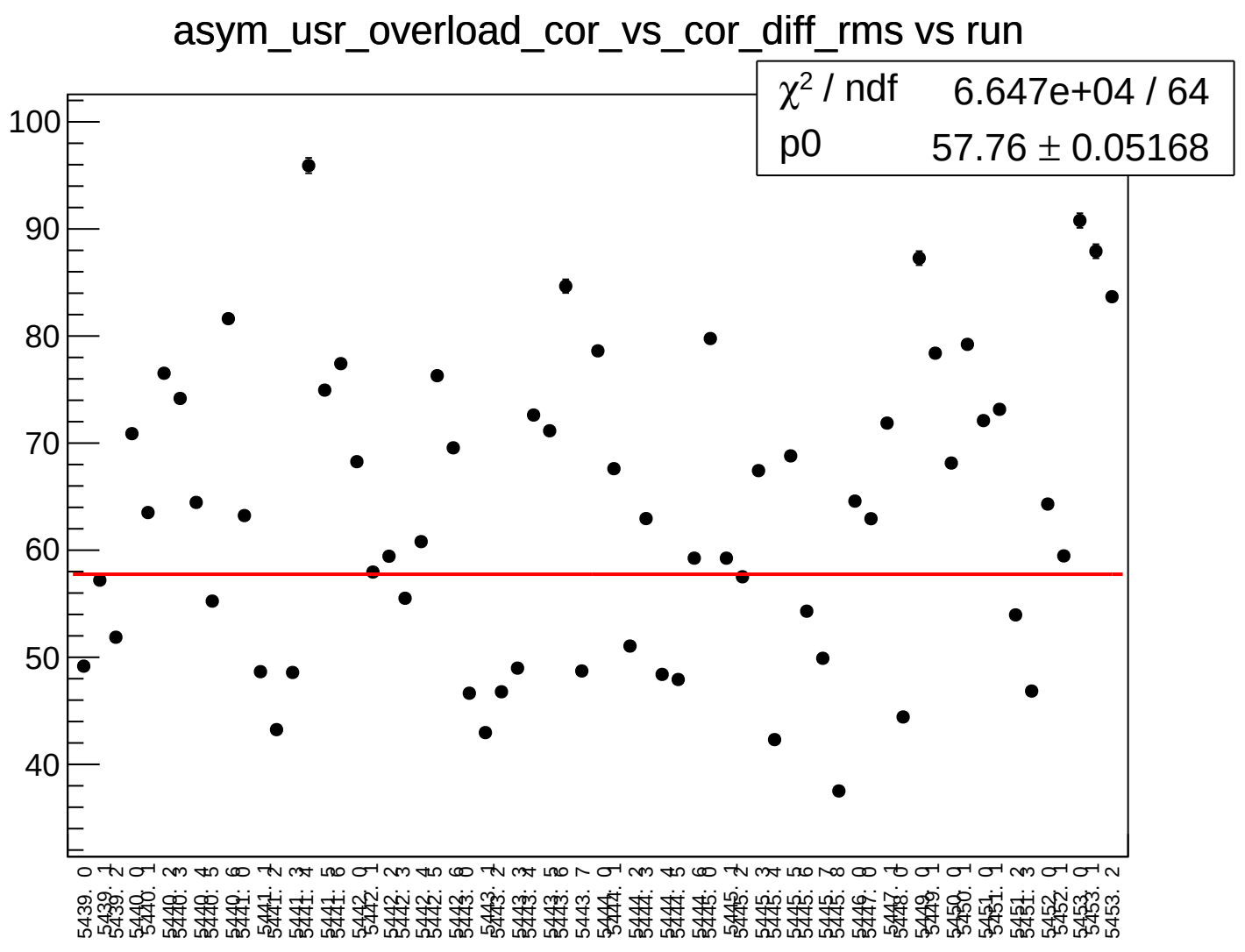

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.08e+05 / 64
p0 97.2 ± 0.08845
240
220
200
180
160
140
120
100
80
60

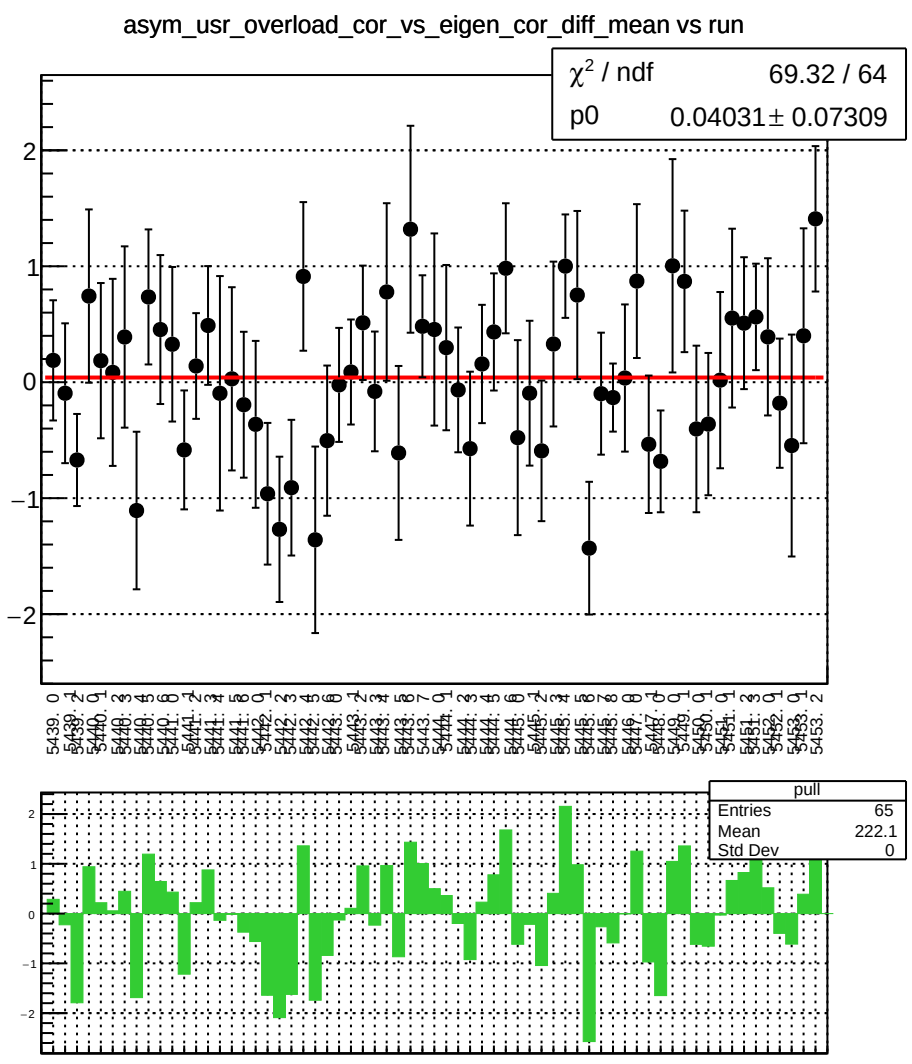

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.24 / 64
p0 2.738e−14 ± 3.752e−14
pull
Entries 65
Mean 17.99
Std Dev 0
pull1D
Entries 65
Mean 0.1212
Std Dev 1.097

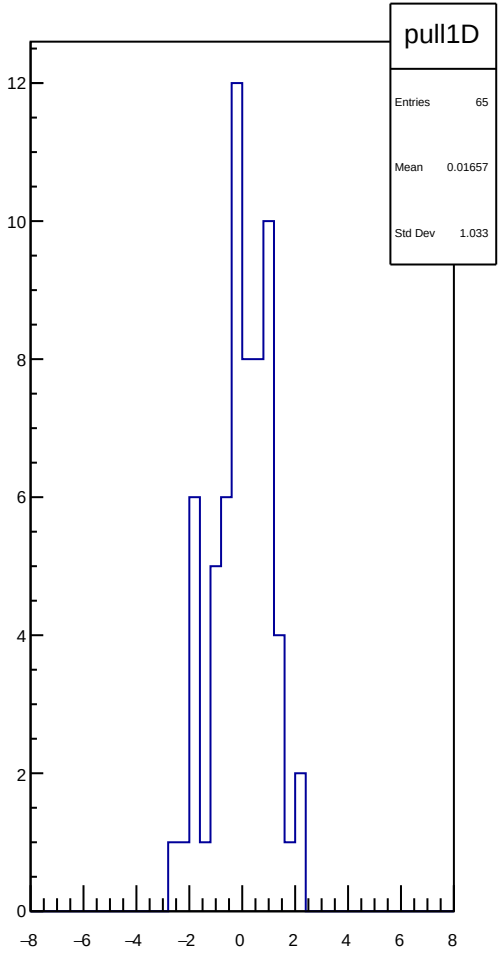

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.103e+05 / 64
p0 2.381e−11 ± 2.653e−14
0.25
0.2
0.15
0.1
0.05

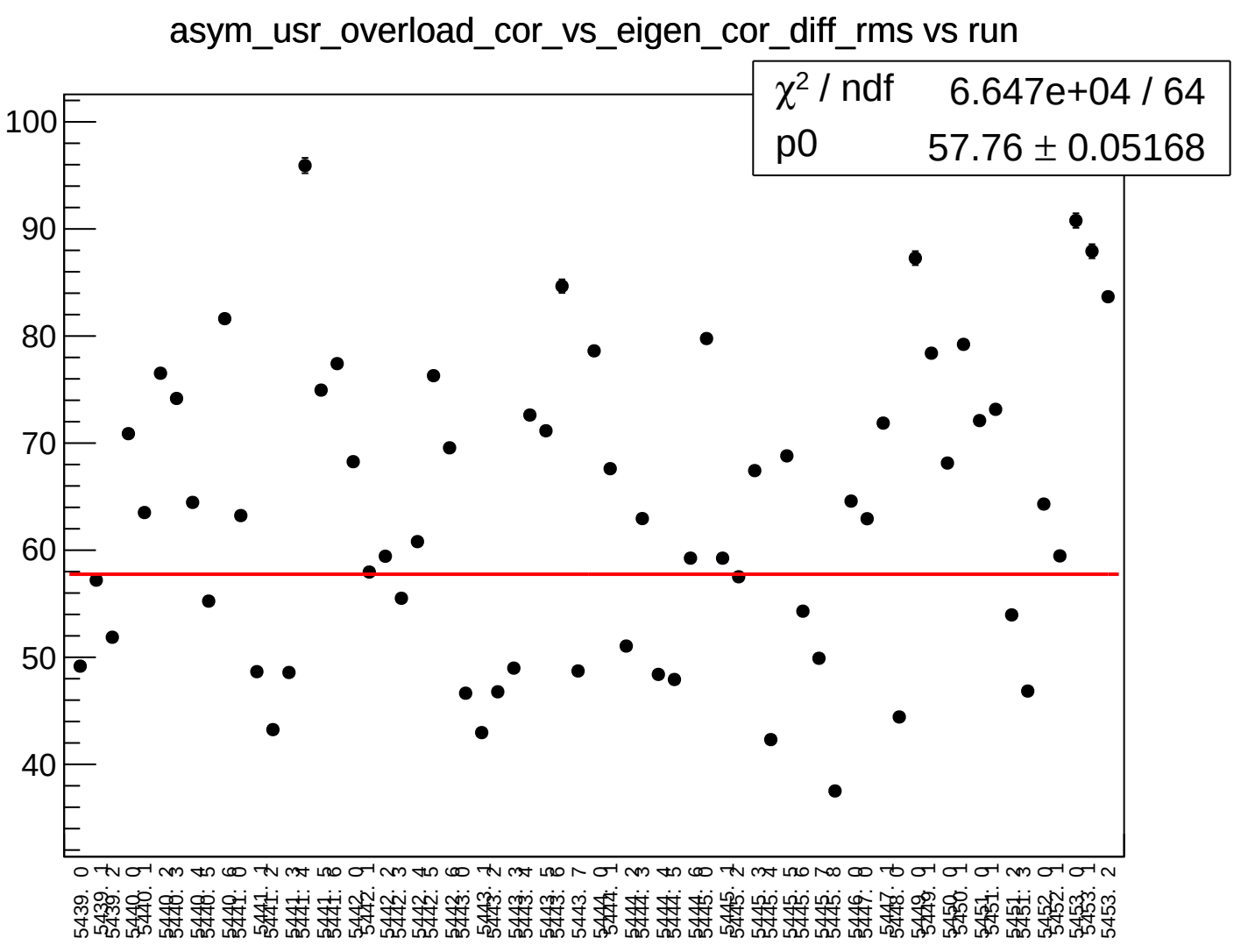

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 69.32 / 64
p0 0.04031 ± 0.07309
pull
Entries 65
Mean 222.1
Std Dev 0

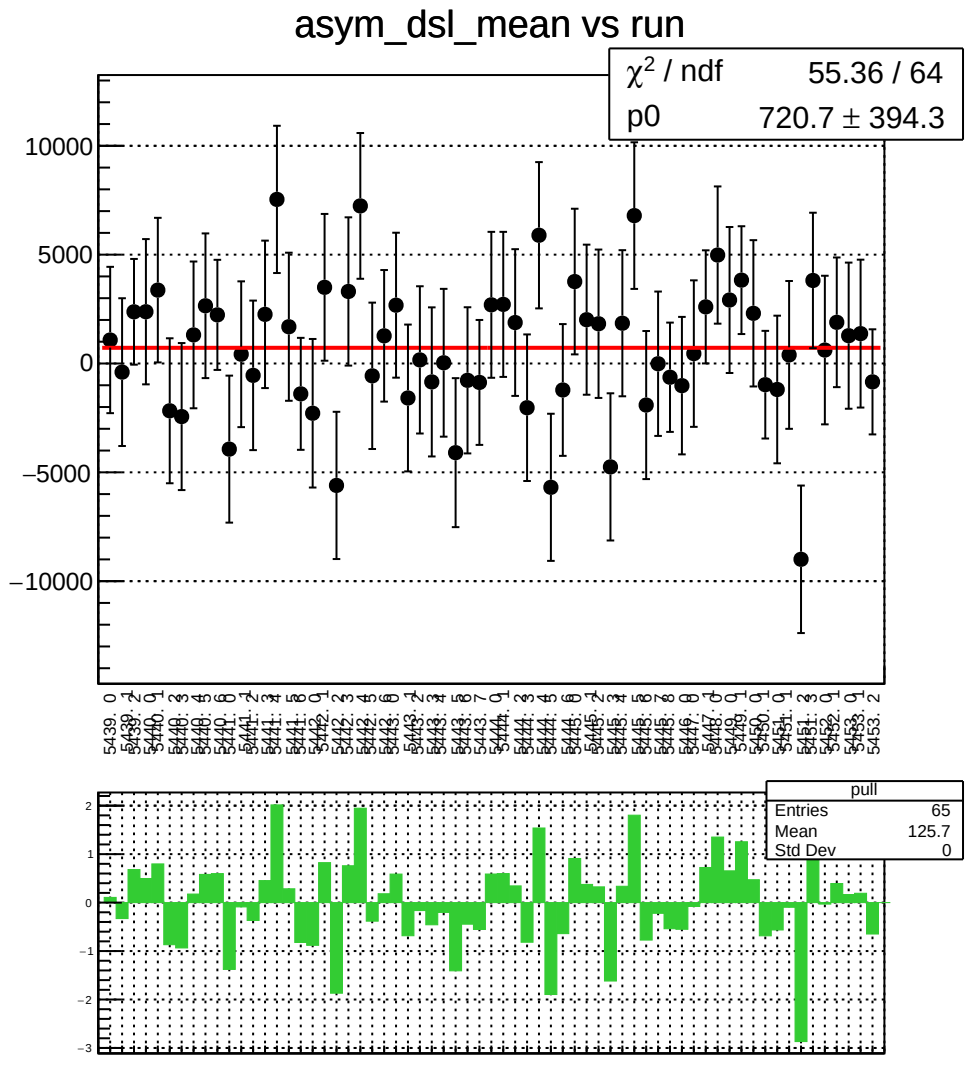

pull1D
Entries 65
Mean 0.01657
Std Dev 1.033

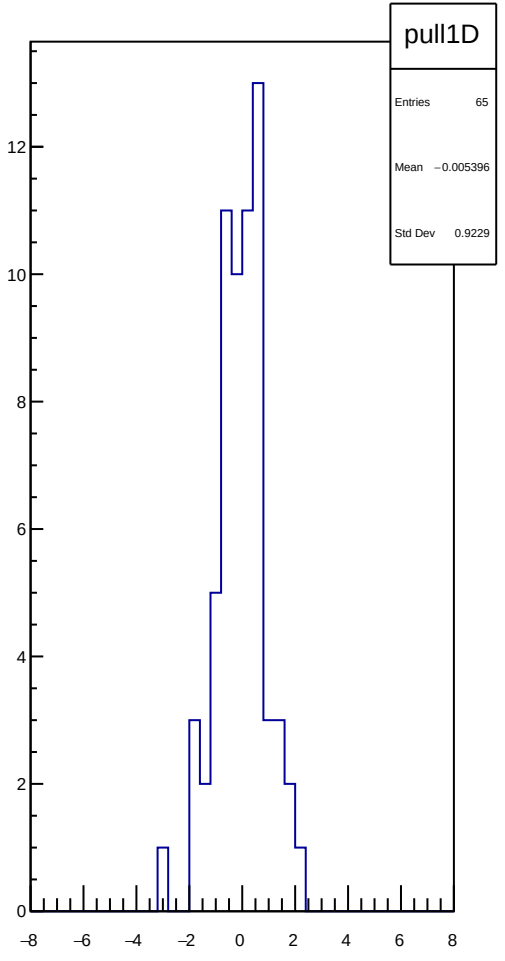

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 6.647e+04 / 64
p0 57.76 ± 0.05168
100
90
80
70
60
50
40

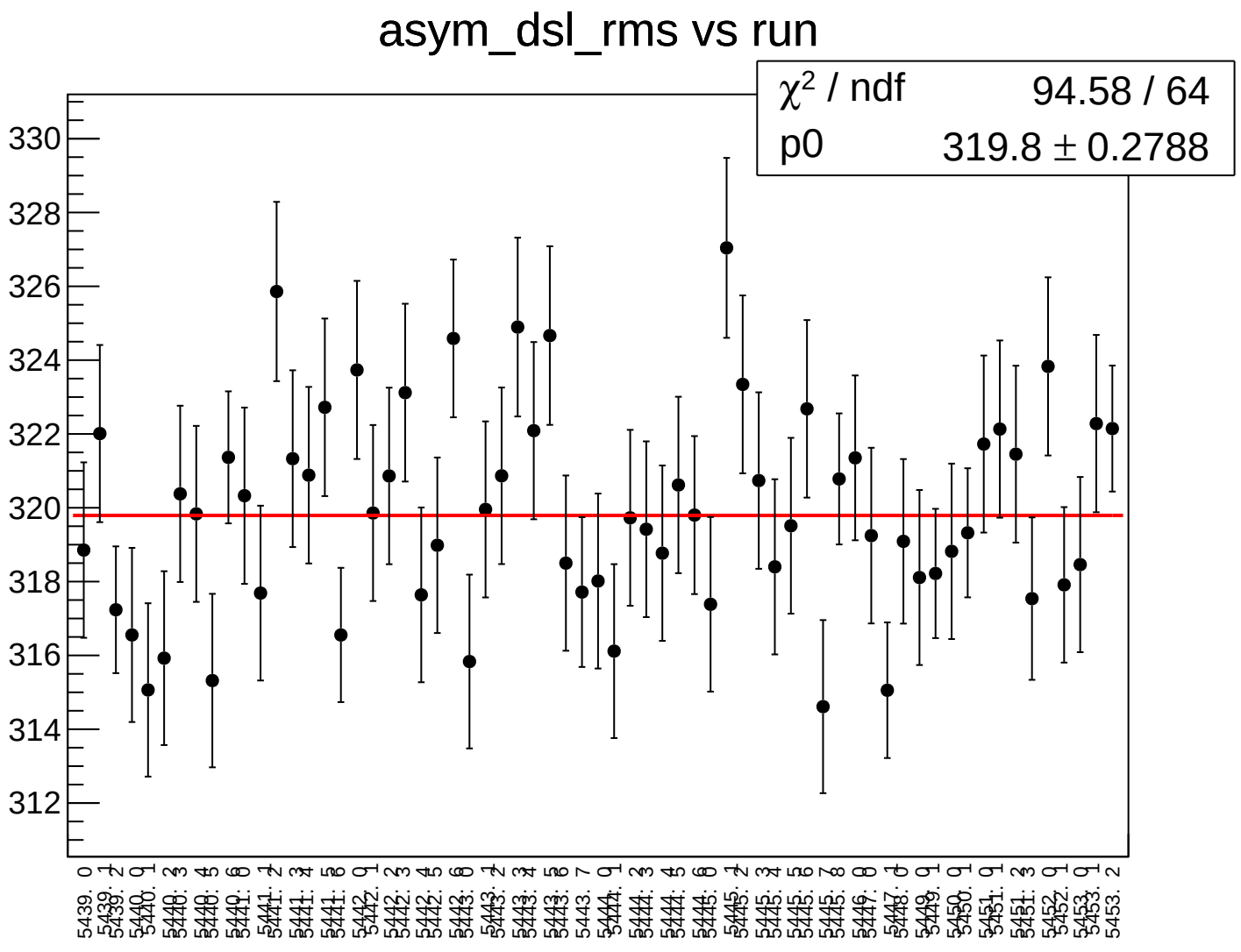

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.32 / 64
p0 0.04031 ± 0.07309
pull
Entries 65
Mean 222.1
Std Dev 0

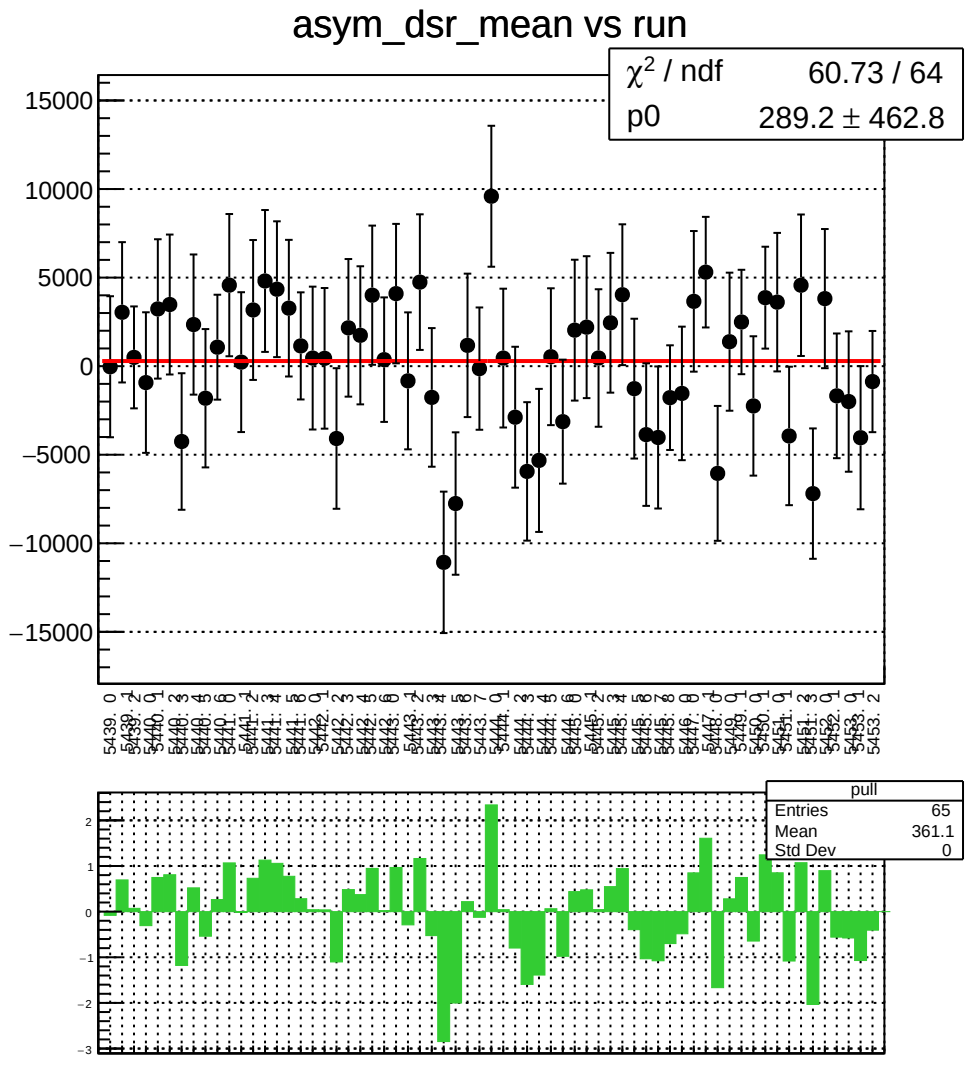

pull1D
Entries 65
Mean 0.01657
Std Dev 1.033

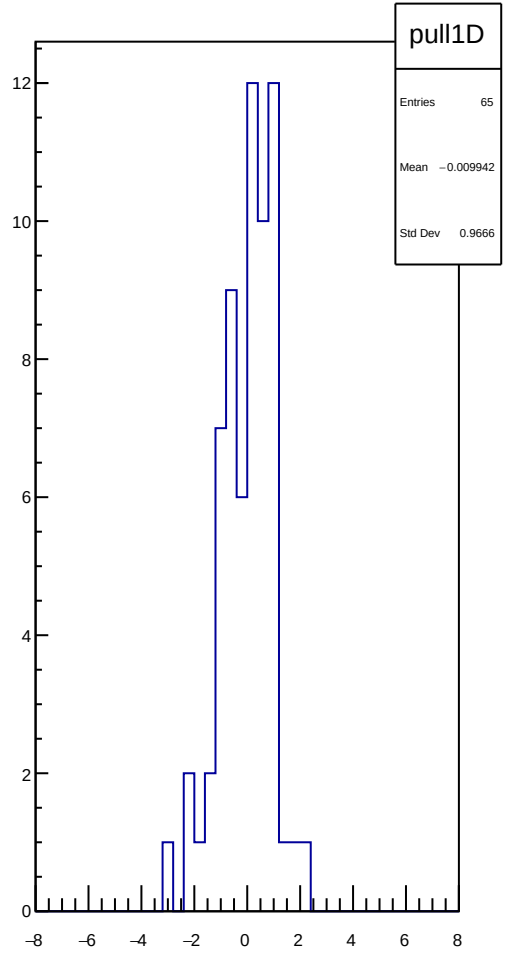

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.647e+04 / 64
p0 57.76 ± 0.05168
100
90
80
70
60
50
40

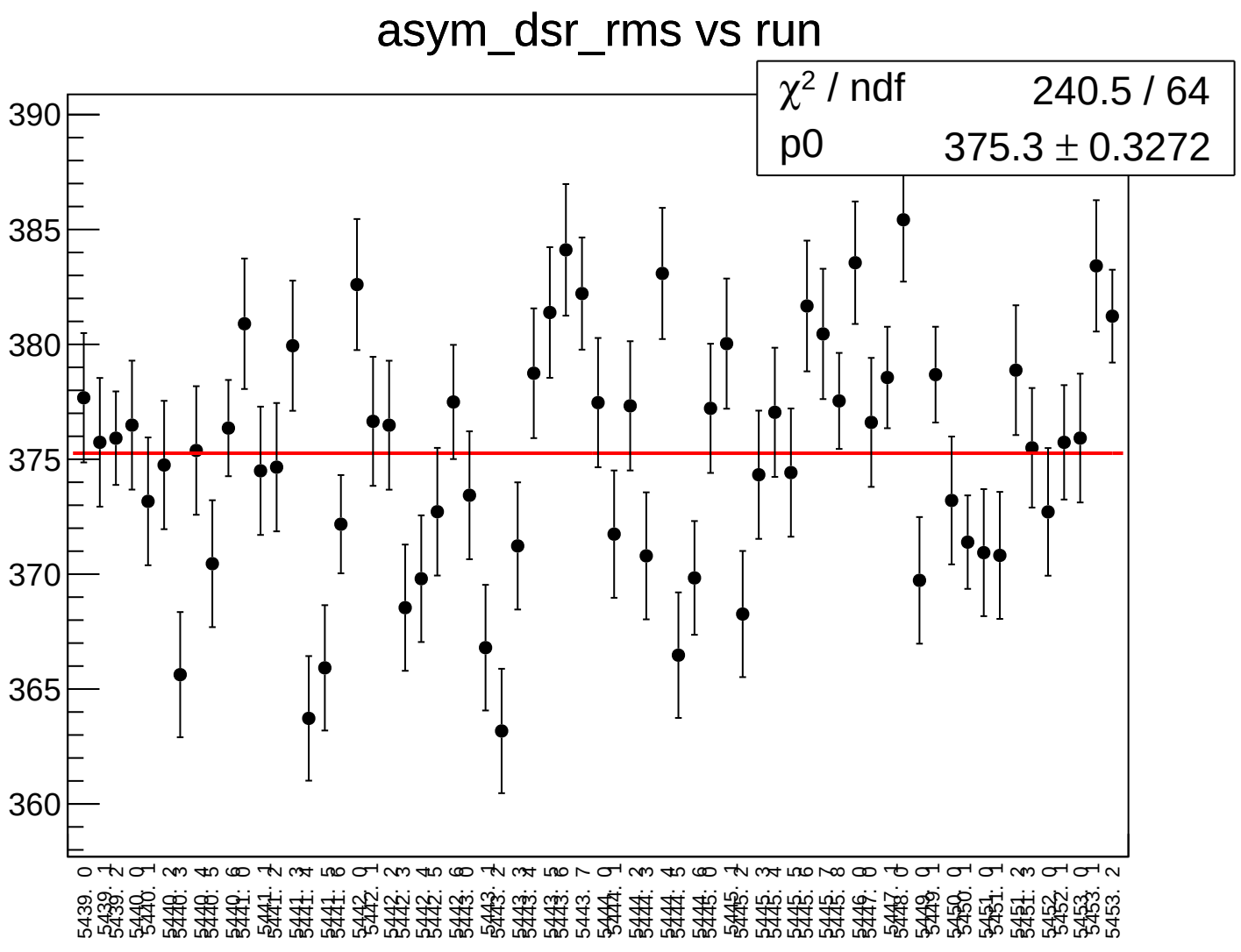

asym_dsl_mean vs run
χ² / ndf 55.36 / 64
p0 720.7 ± 394.3
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 125.7
Std Dev 0

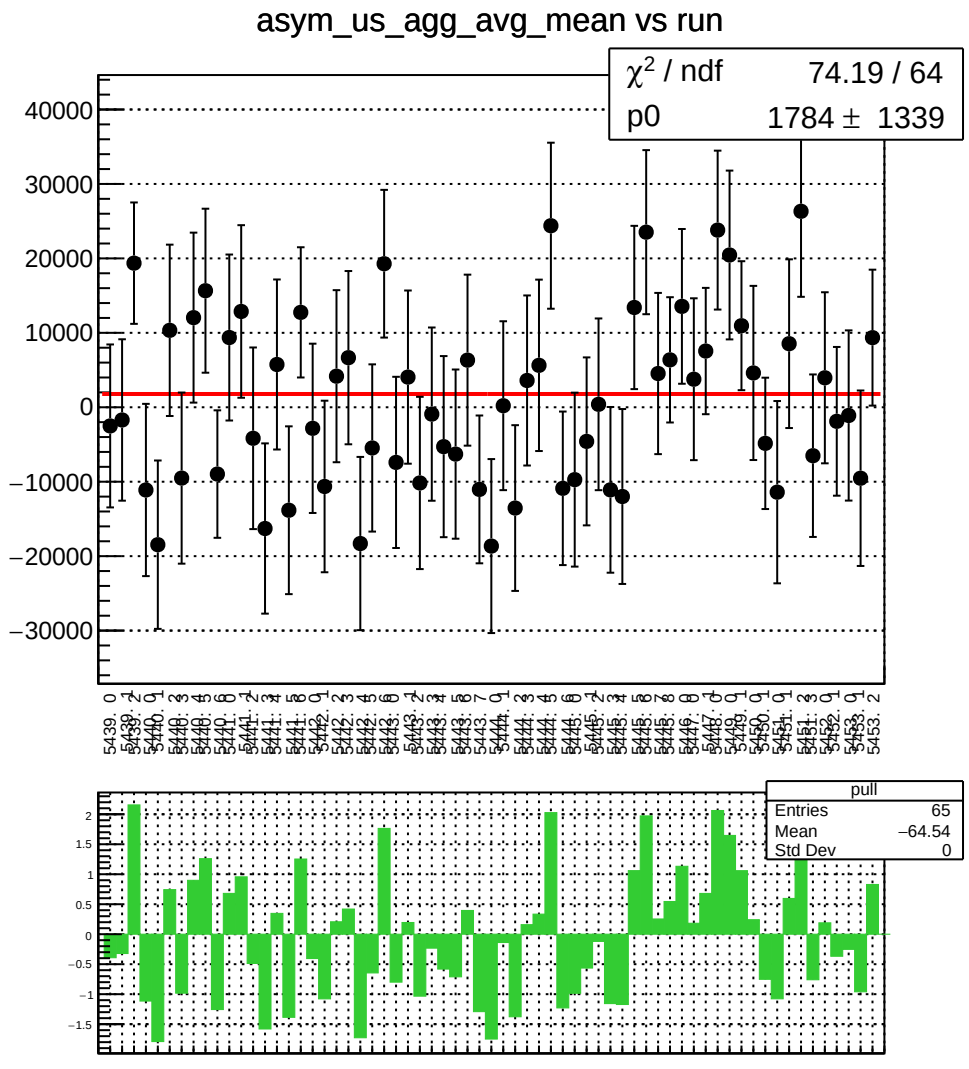

pull1D
Entries 65
Mean −0.005396
Std Dev 0.9229
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

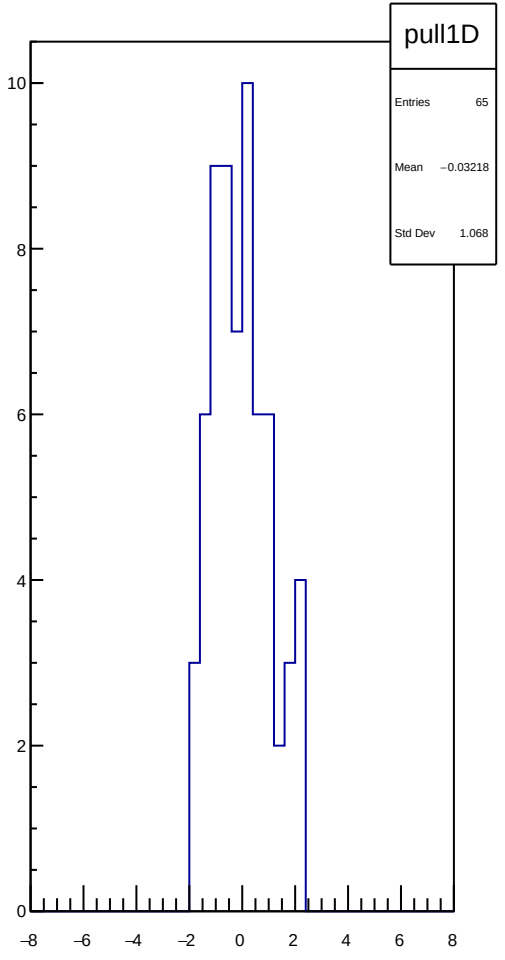

asym_dsl_rms vs run
χ² / ndf 94.58 / 64
p0 319.8 ± 0.2788
330
328
326
324
322
320
318
316
314
312

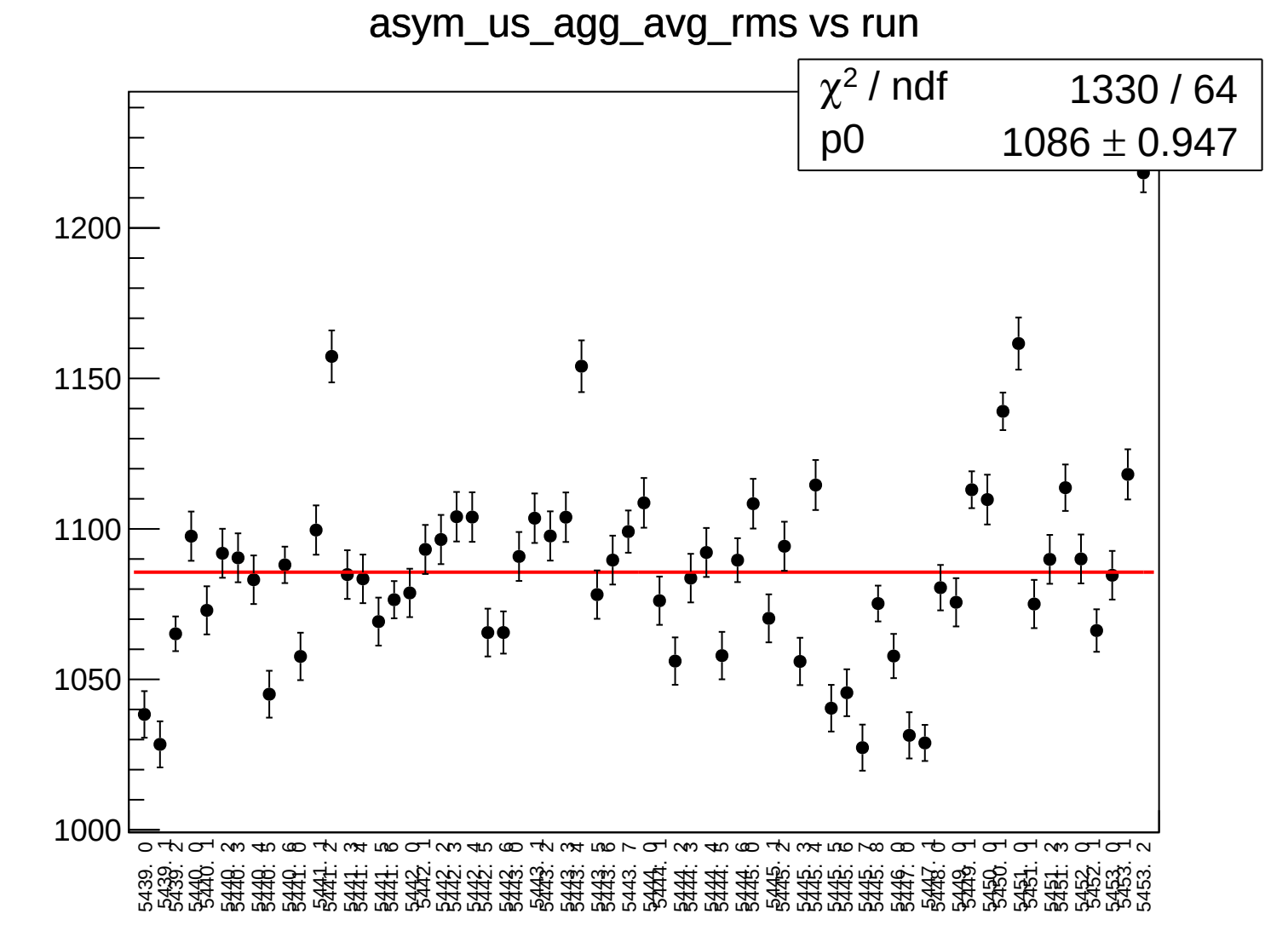

asym_dsr_mean vs run
χ² / ndf 60.73 / 64
p0 289.2 ± 462.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 361.1
Std Dev 0
2
1
0
−1
−2
−3

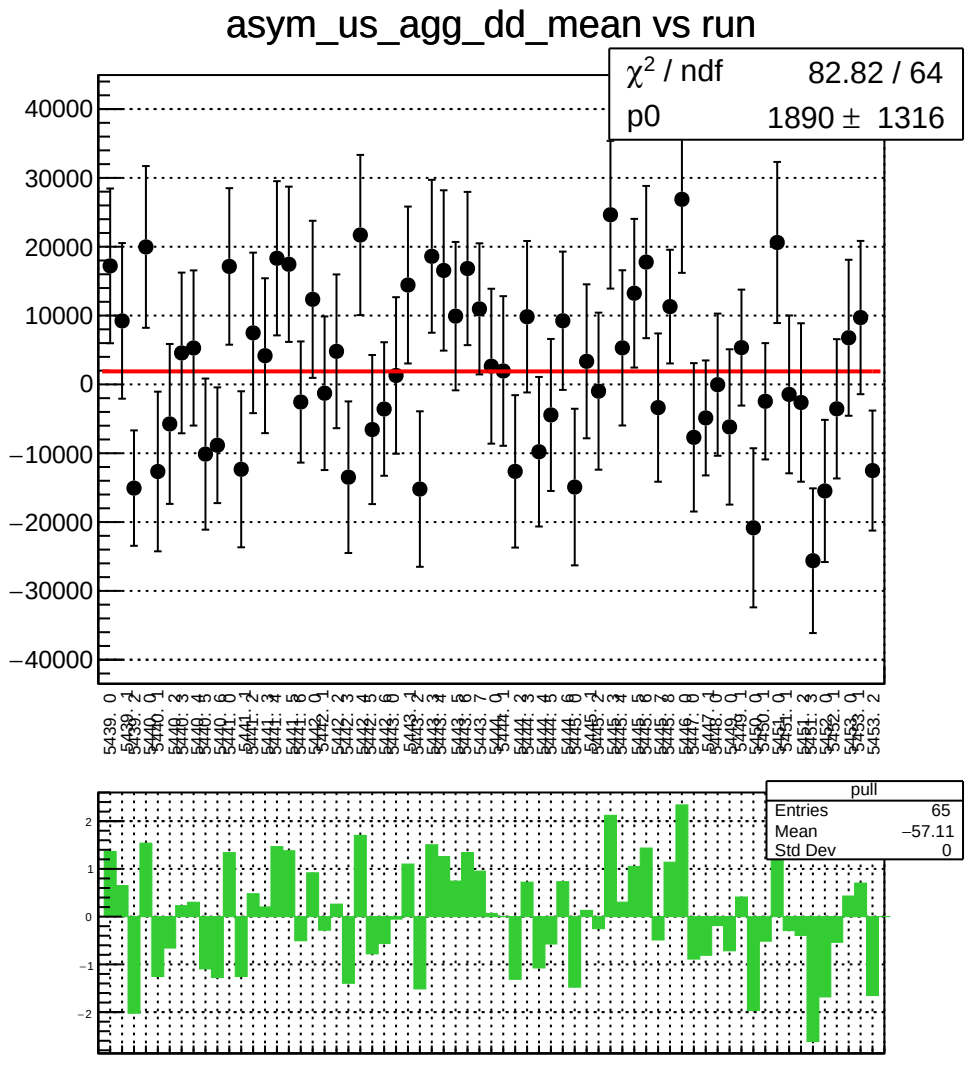

pull1D
Entries 65
Mean −0.009942
Std Dev 0.9666
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

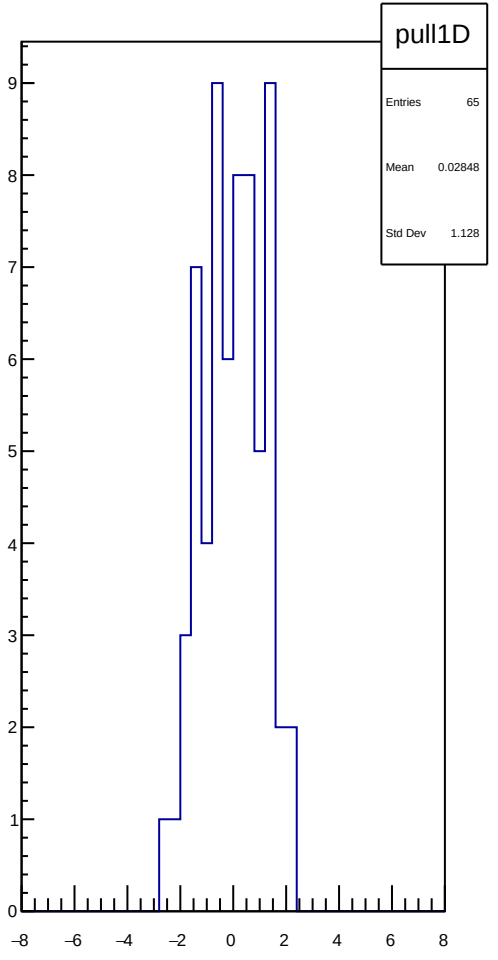

asym_dsr_rms vs run
χ² / ndf 240.5 / 64
p0 375.3 ± 0.3272
390
385
380
375
370
365
360
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

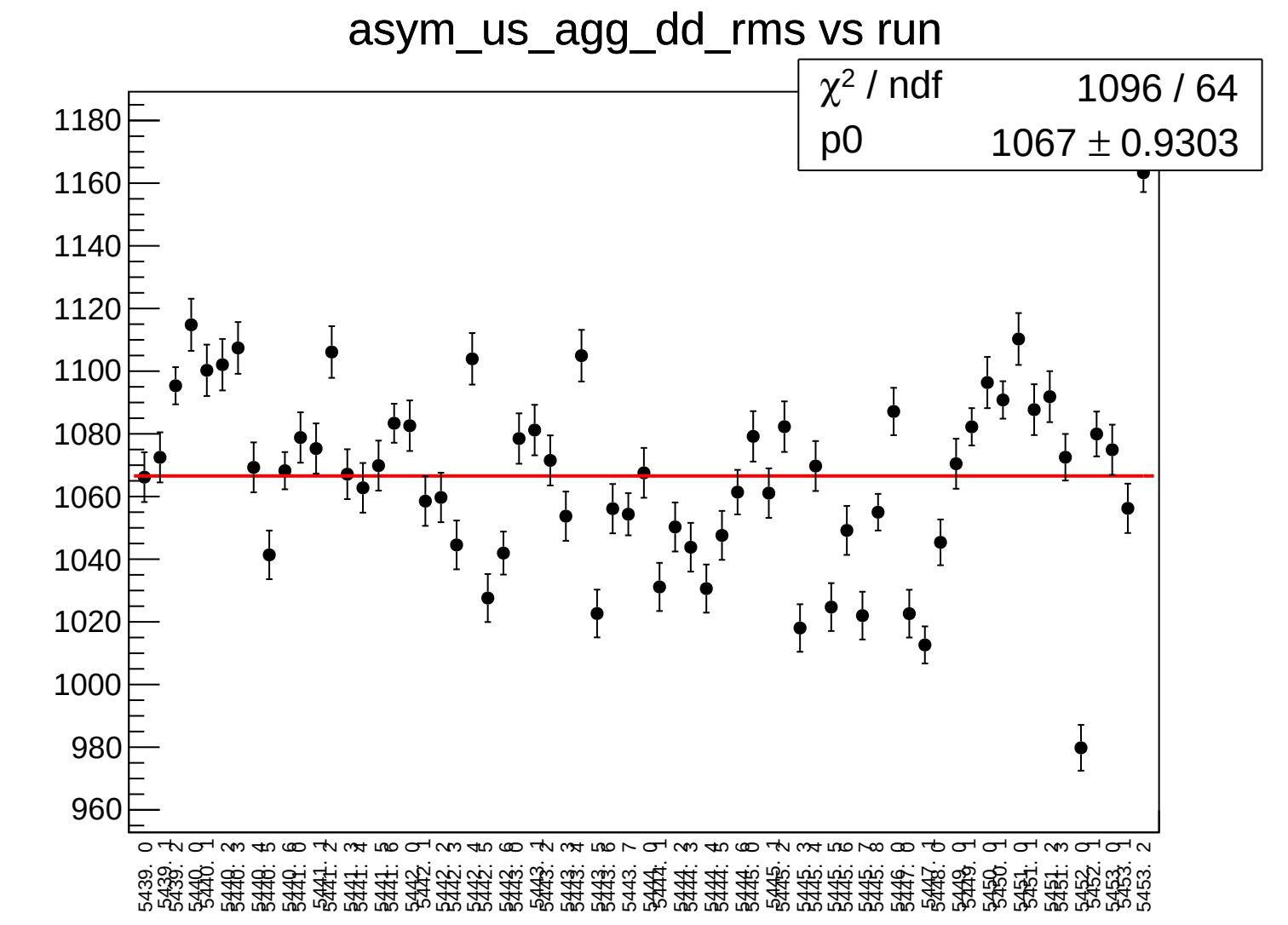

asym_us_agg_avg_mean vs run
χ² / ndf 74.19 / 64
p0 1784 ± 1339
pull
Entries 65
Mean −64.54
Std Dev 0

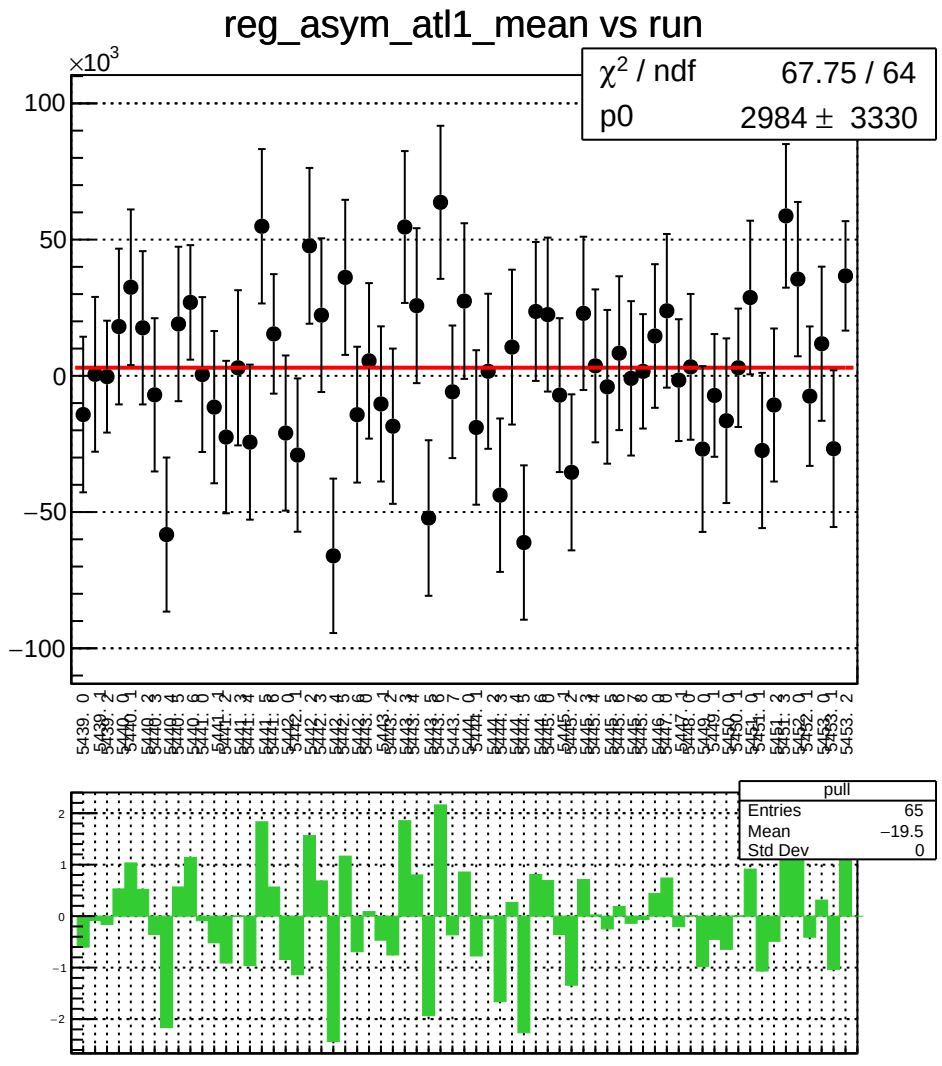

pull1D
Entries 65
Mean −0.03218
Std Dev 1.068

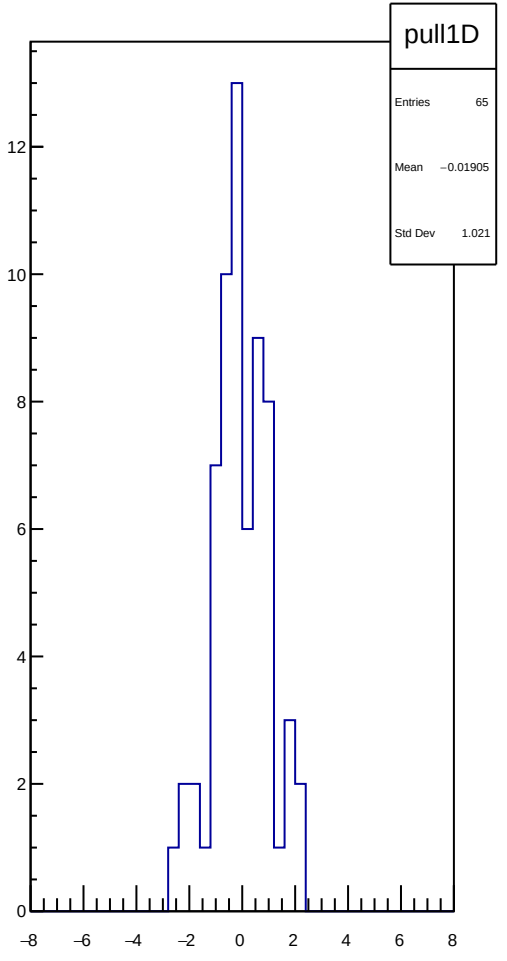

asym_us_agg_avg_rms vs run
χ² / ndf 1330 / 64
p0 1086 ± 0.947
1200
1150
1100
1050
1000

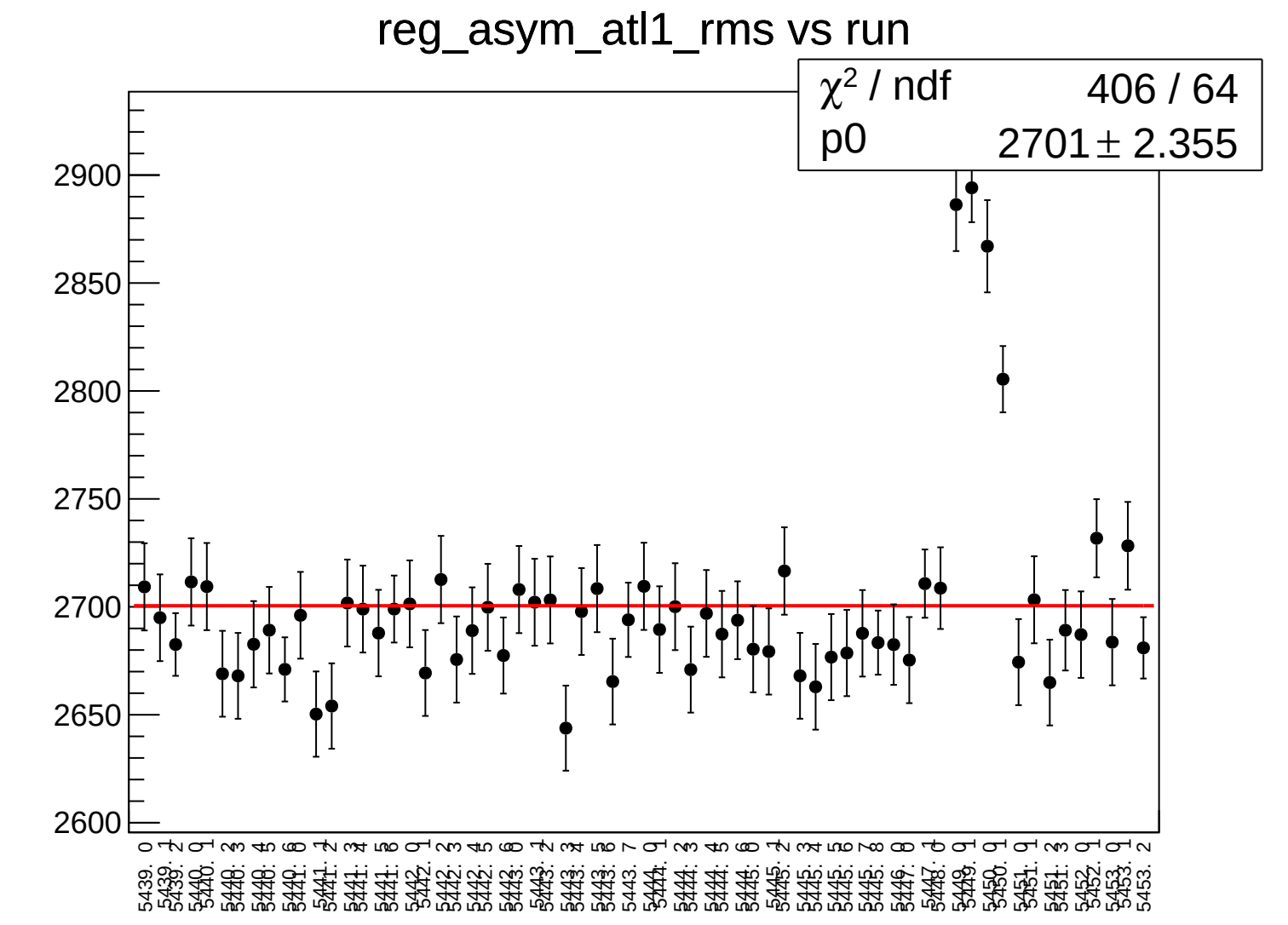

asym_us_agg_dd_mean vs run
χ² / ndf 82.82 / 64
p0 1890 ± 1316
pull
Entries 65
Mean −57.11
Std Dev 0

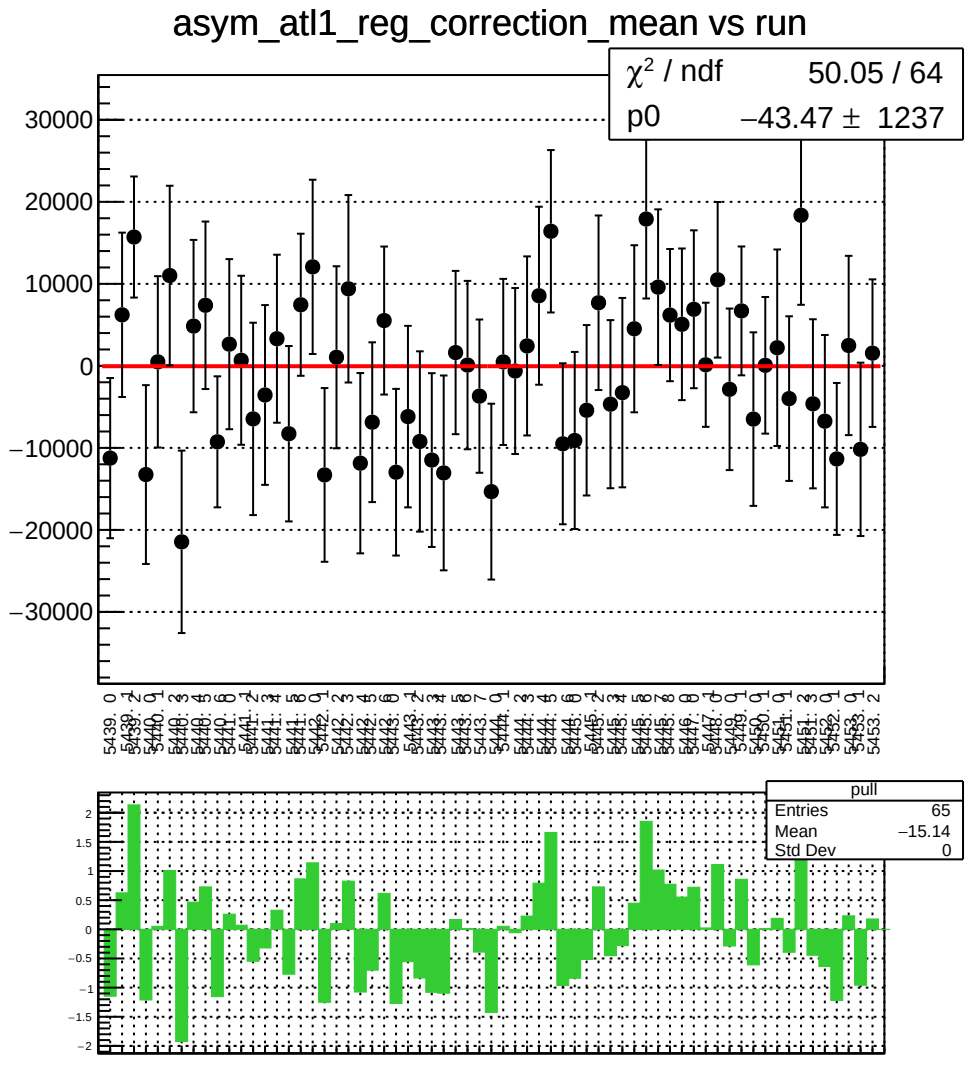

pull1D
Entries 65
Mean 0.02848
Std Dev 1.128

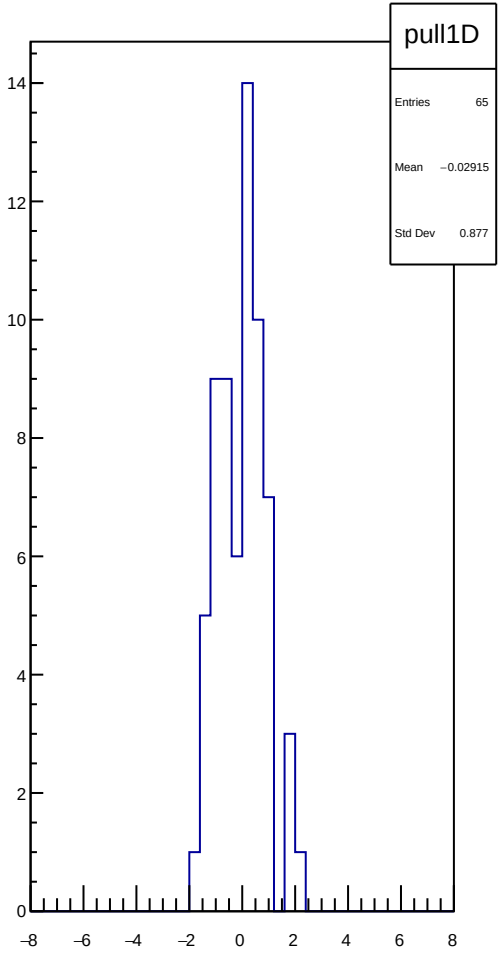

asym_us_agg_dd_rms vs run
χ² / ndf 1096 / 64
p0 1067 ± 0.9303
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

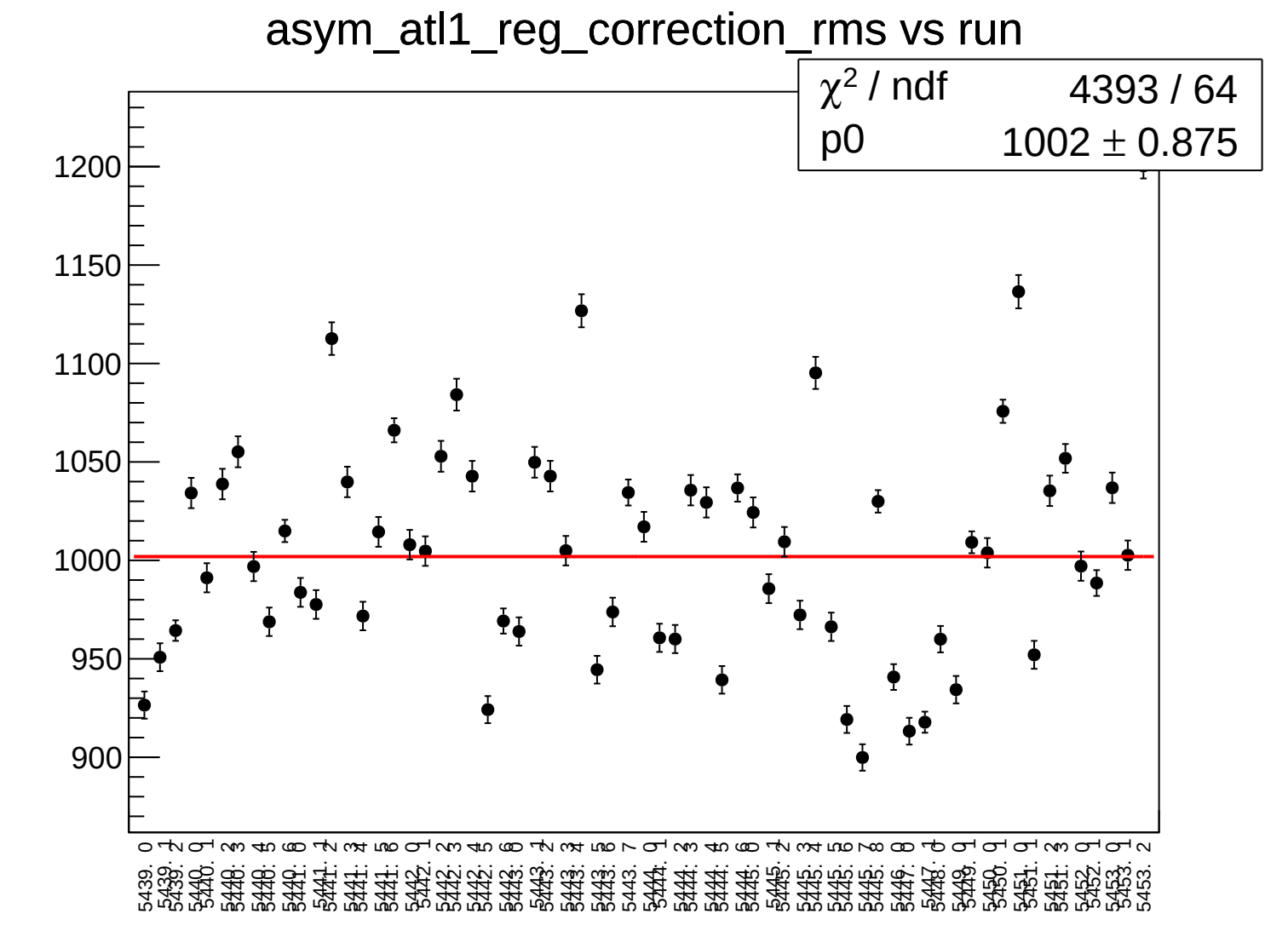

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 67.75 / 64
p0 2984 ± 3330
100
50
0
−50
−100
pull
Entries 65
Mean −19.5
Std Dev 0
2
1
0
−1
−2

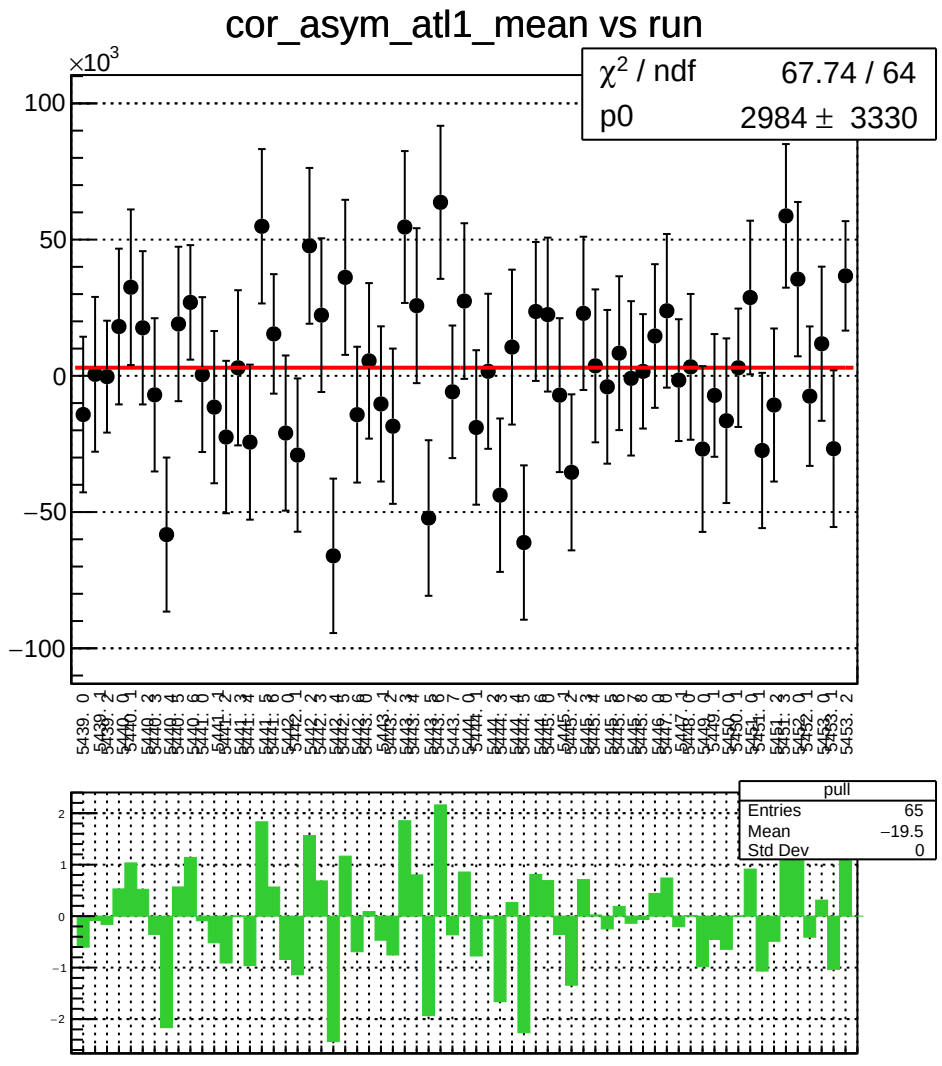

pull1D
Entries 65
Mean −0.01905
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

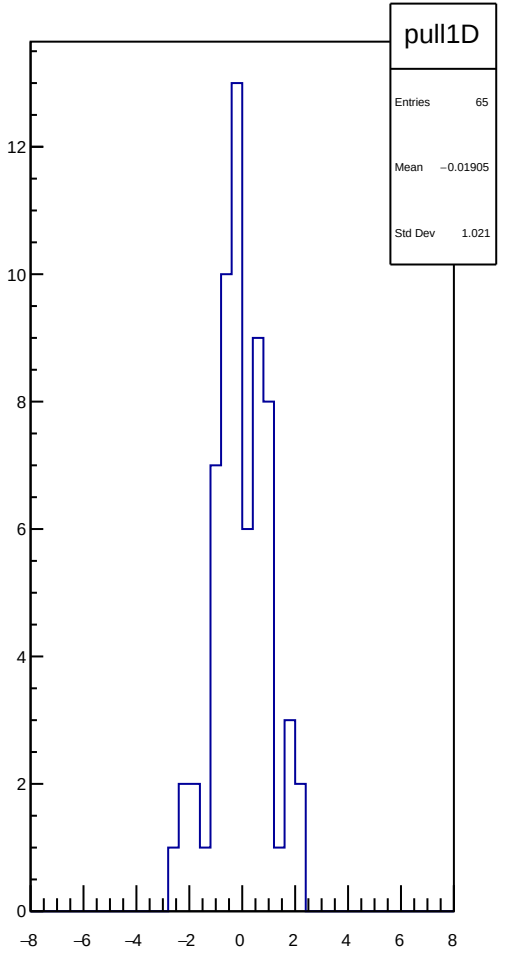

reg_asym_atl1_rms vs run
χ² / ndf 406 / 64
p0 2701 ± 2.355
2900
2850
2800
2750
2700
2650
2600

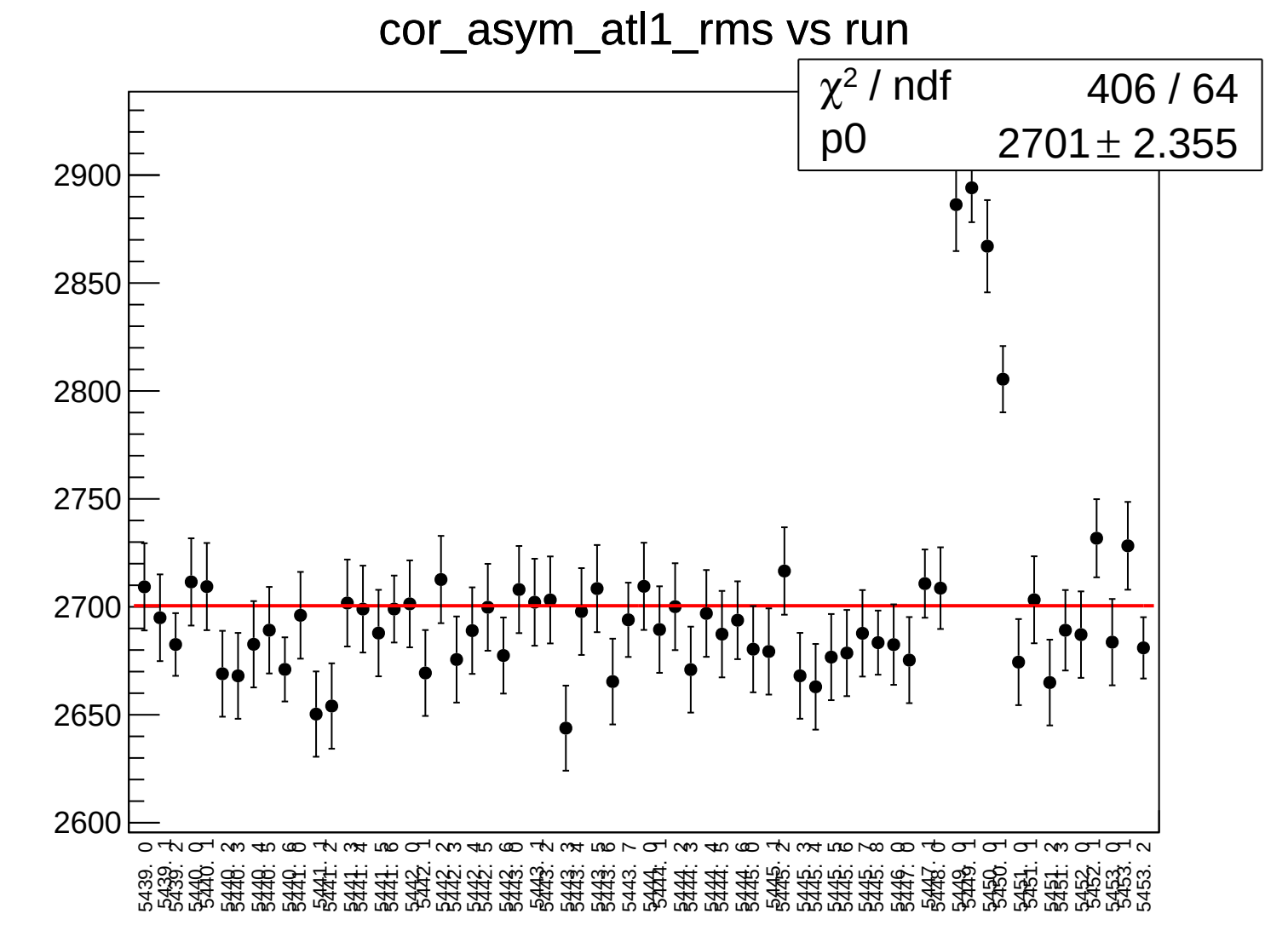

asym_atl1_reg_correction_mean vs run
χ² / ndf 50.05 / 64
p0 −43.47 ± 1237
pull
Entries 65
Mean −15.14
Std Dev 0

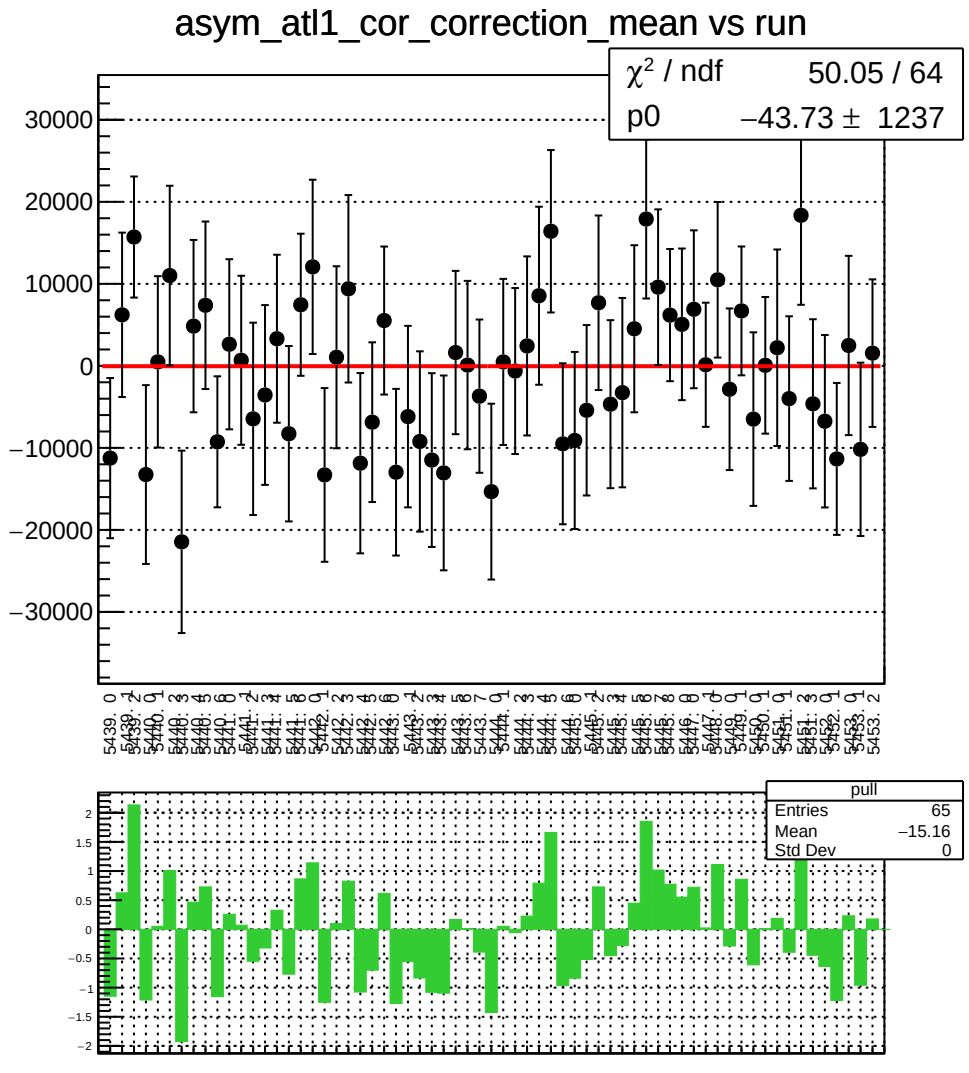

pull1D
Entries 65
Mean −0.02915
Std Dev 0.877

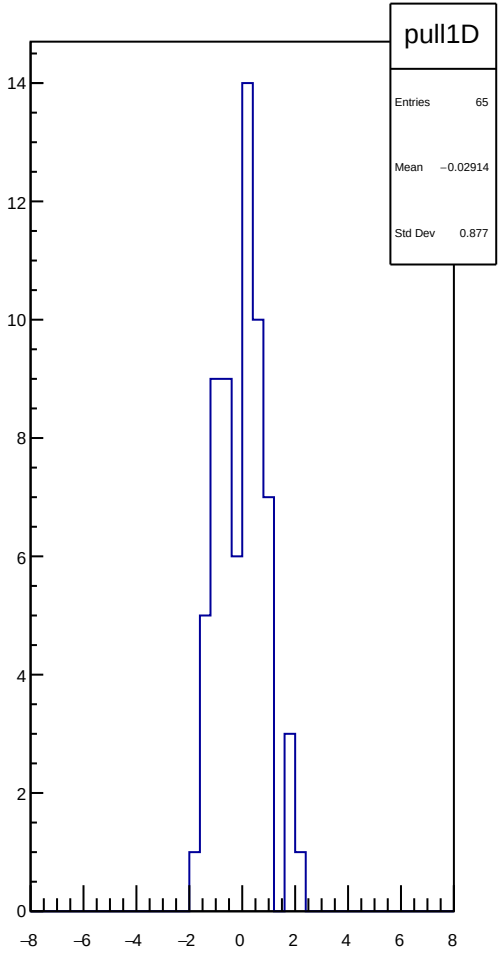

asym_atl1_reg_correction_rms vs run
χ² / ndf 4393 / 64
p0 1002 ± 0.875
1200
1150
1100
1050
1000
950
900

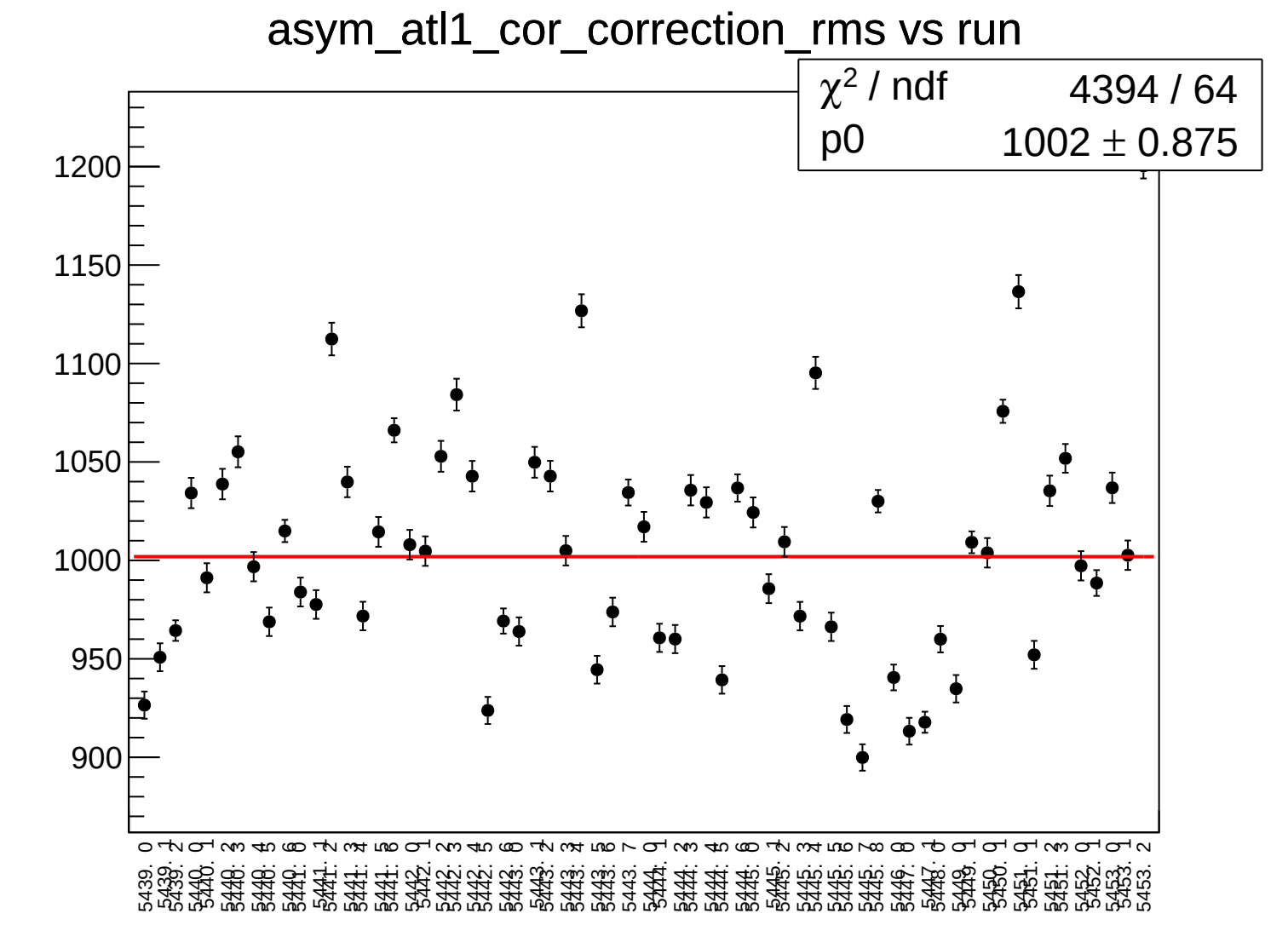

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 67.74 / 64
p0 2984 ± 3330
100
50
0
−50
−100
pull
Entries 65
Mean −19.5
Std Dev 0
2
1
0
−1
−2

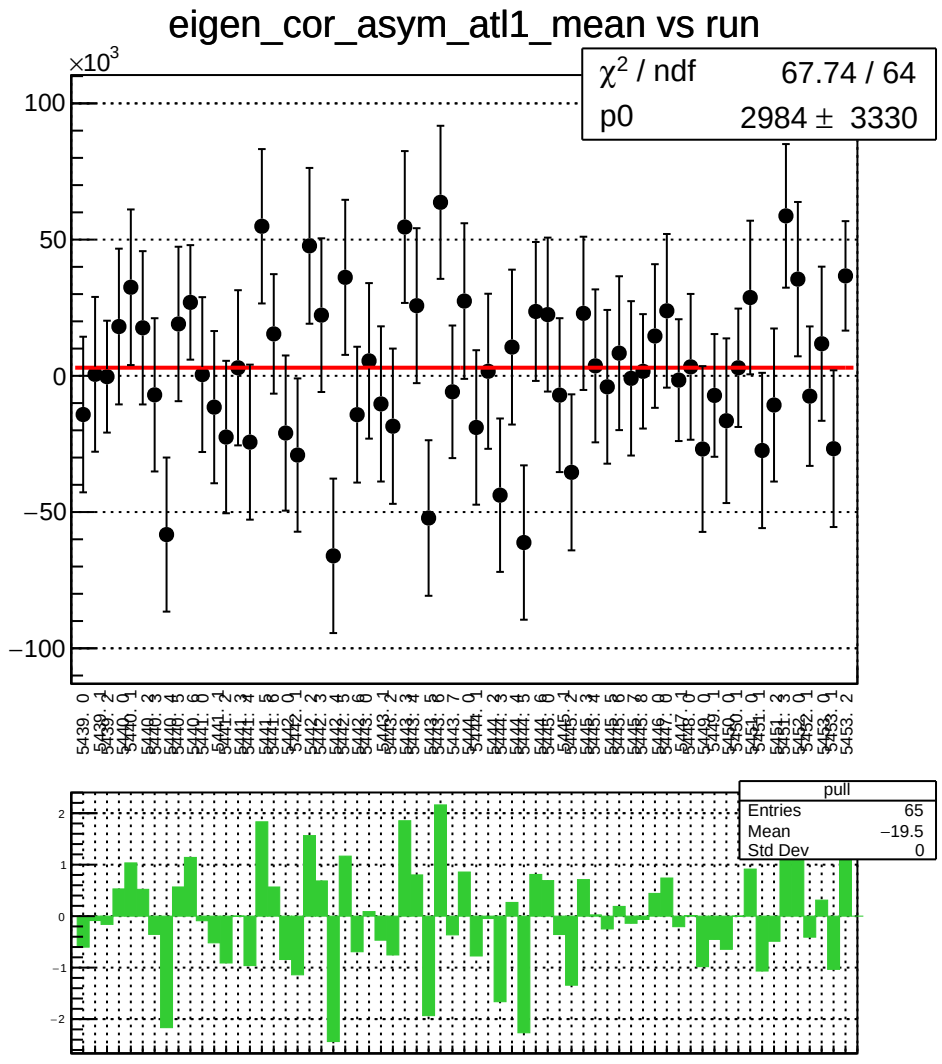

pull1D
Entries 65
Mean −0.01905
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

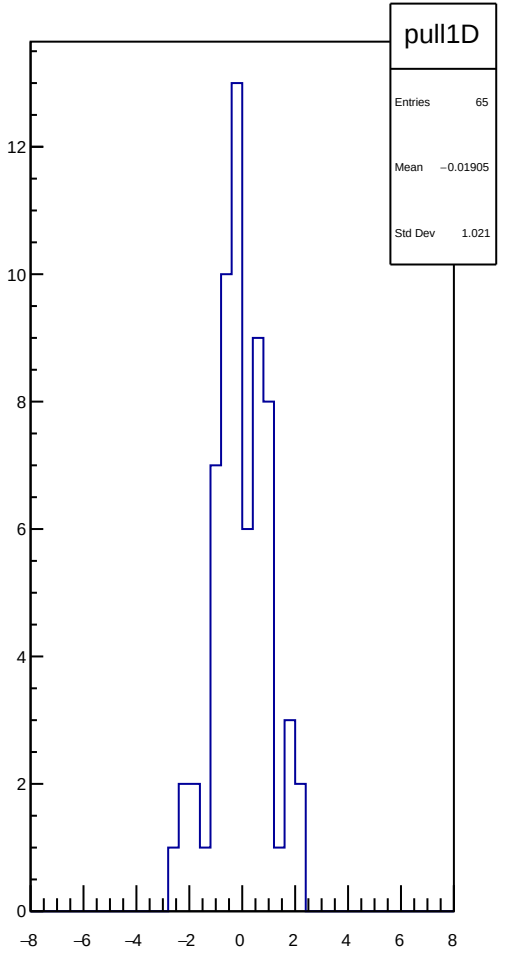

cor_asym_atl1_rms vs run
χ² / ndf 406 / 64
p0 2701 ± 2.355
2900
2850
2800
2750
2700
2650
2600

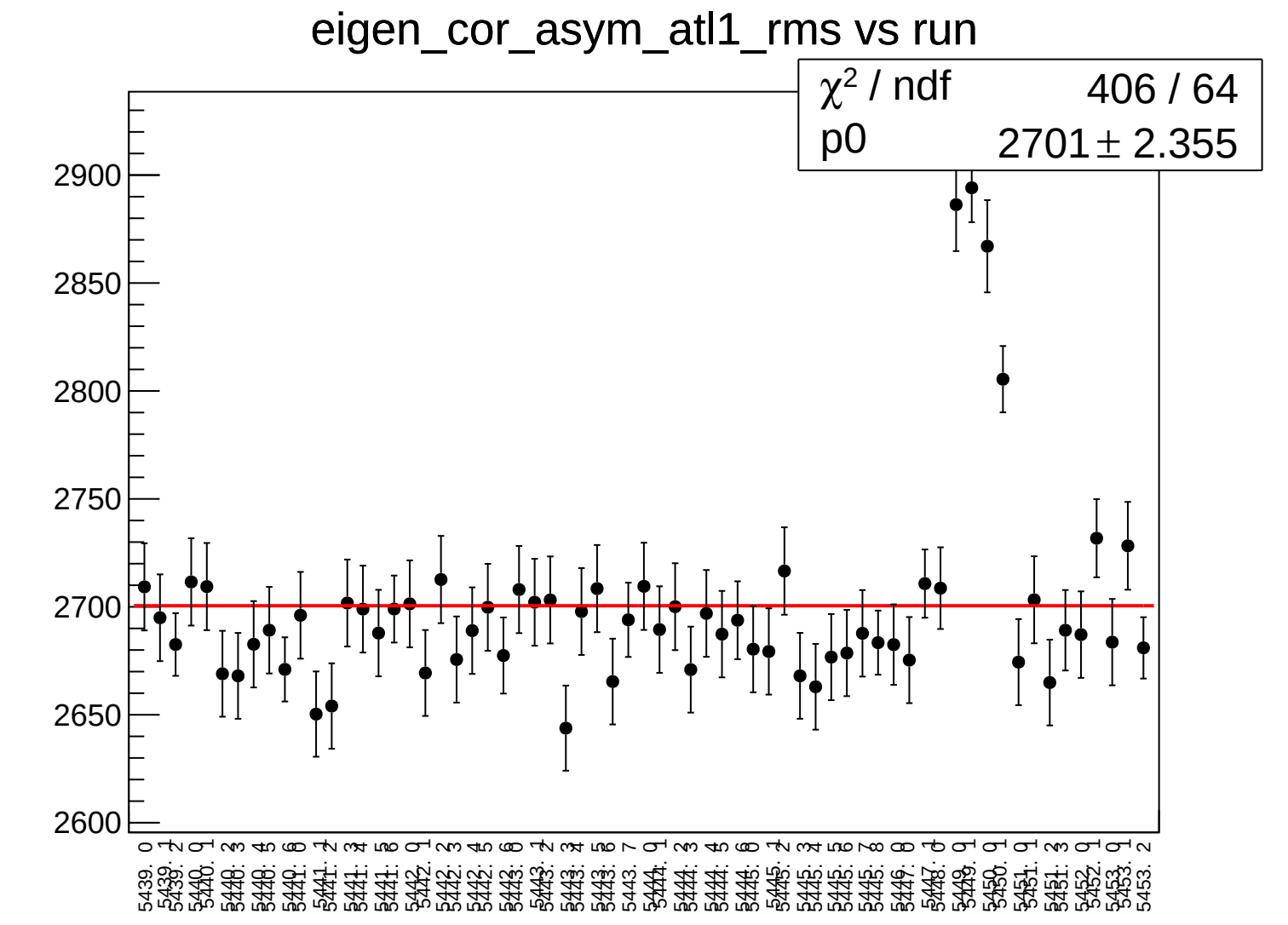

asym_atl1_cor_correction_mean vs run
χ² / ndf 50.05 / 64
p0 −43.73 ± 1237
pull
Entries 65
Mean −15.16
Std Dev 0

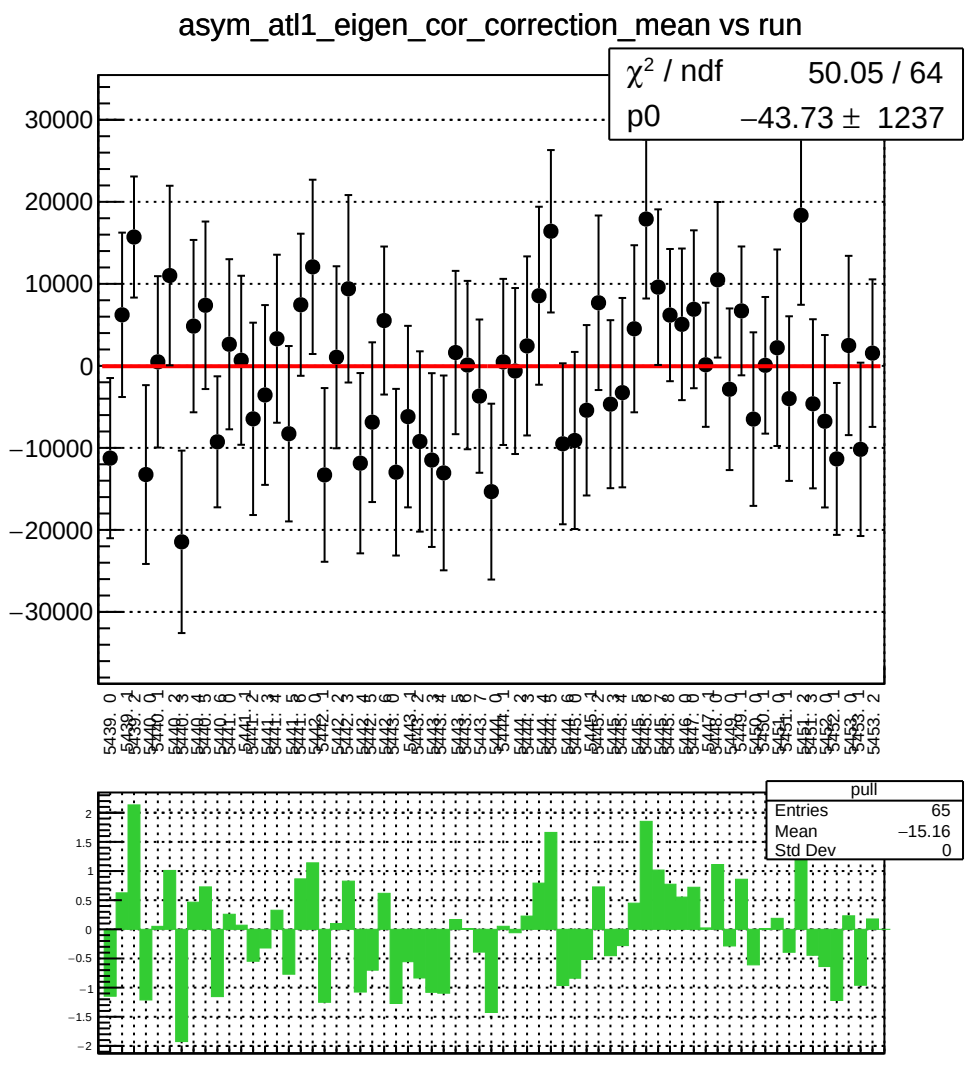

pull1D
Entries 65
Mean −0.02914
Std Dev 0.877

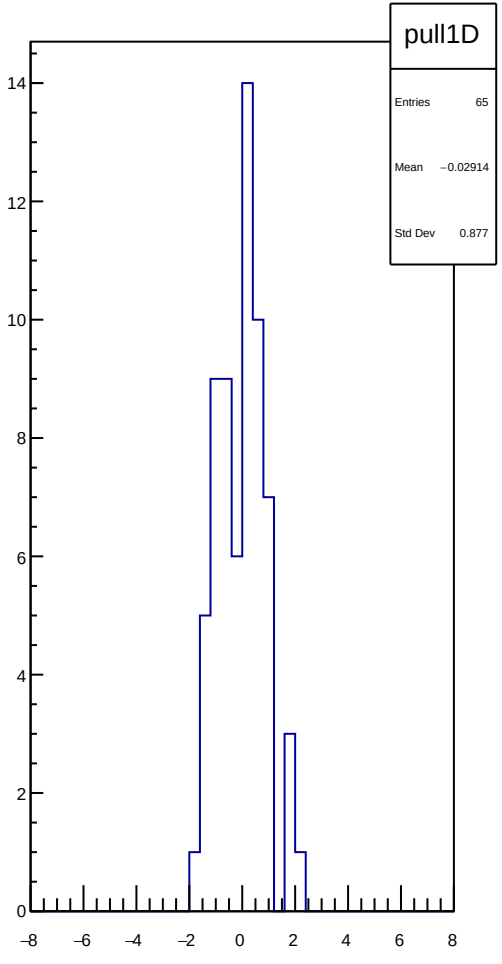

asym_atl1_cor_correction_rms vs run
χ² / ndf 4394 / 64
p0 1002 ± 0.875
1200
1150
1100
1050
1000
950
900

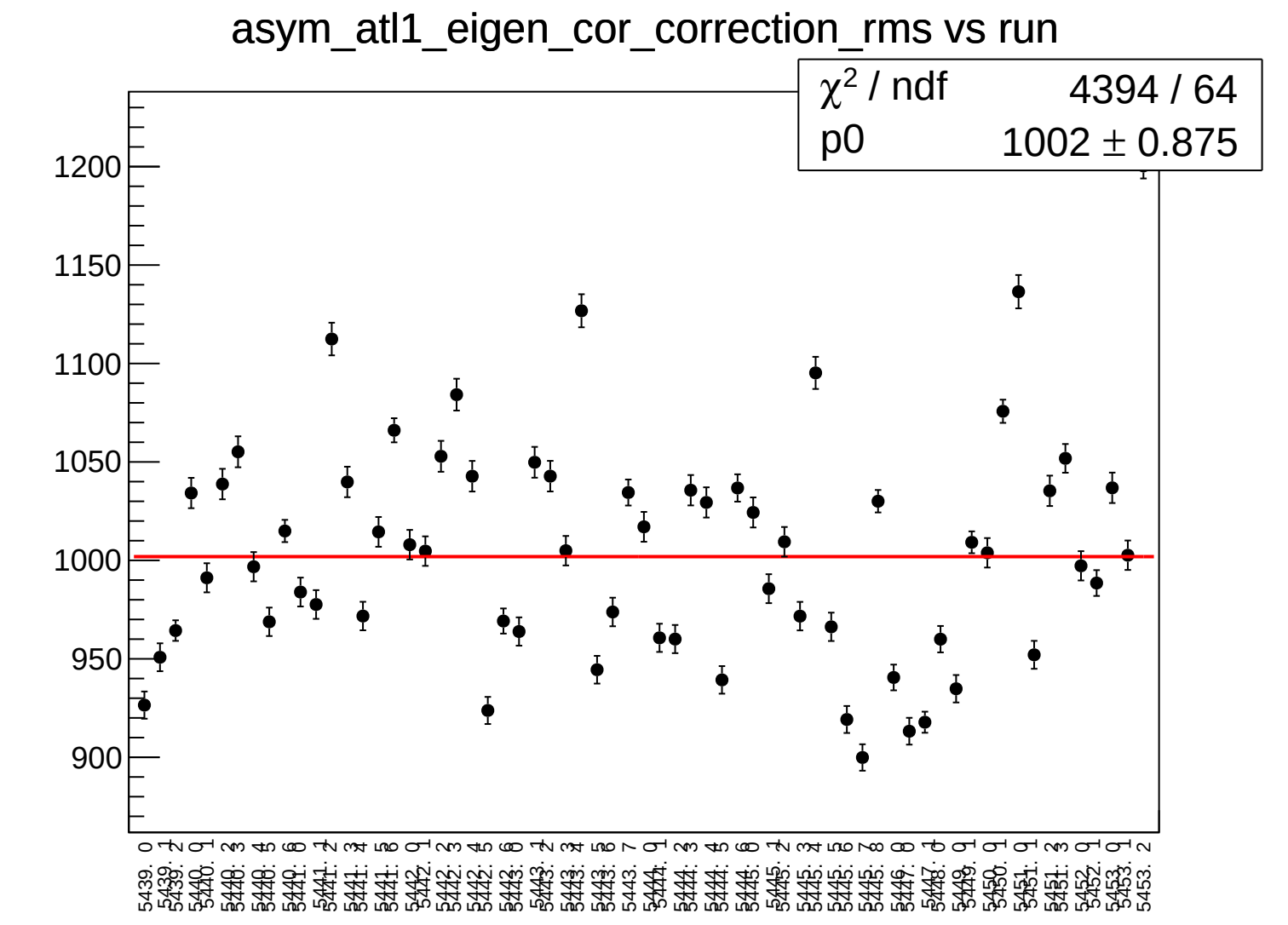

eigen_cor_asym_atl1_mean vs run
×10^3
χ² / ndf 67.74 / 64
p0 2984 ± 3330
100
50
0
−50
−100
pull
Entries 65
Mean −19.5
Std Dev 0
2
1
0
−1
−2

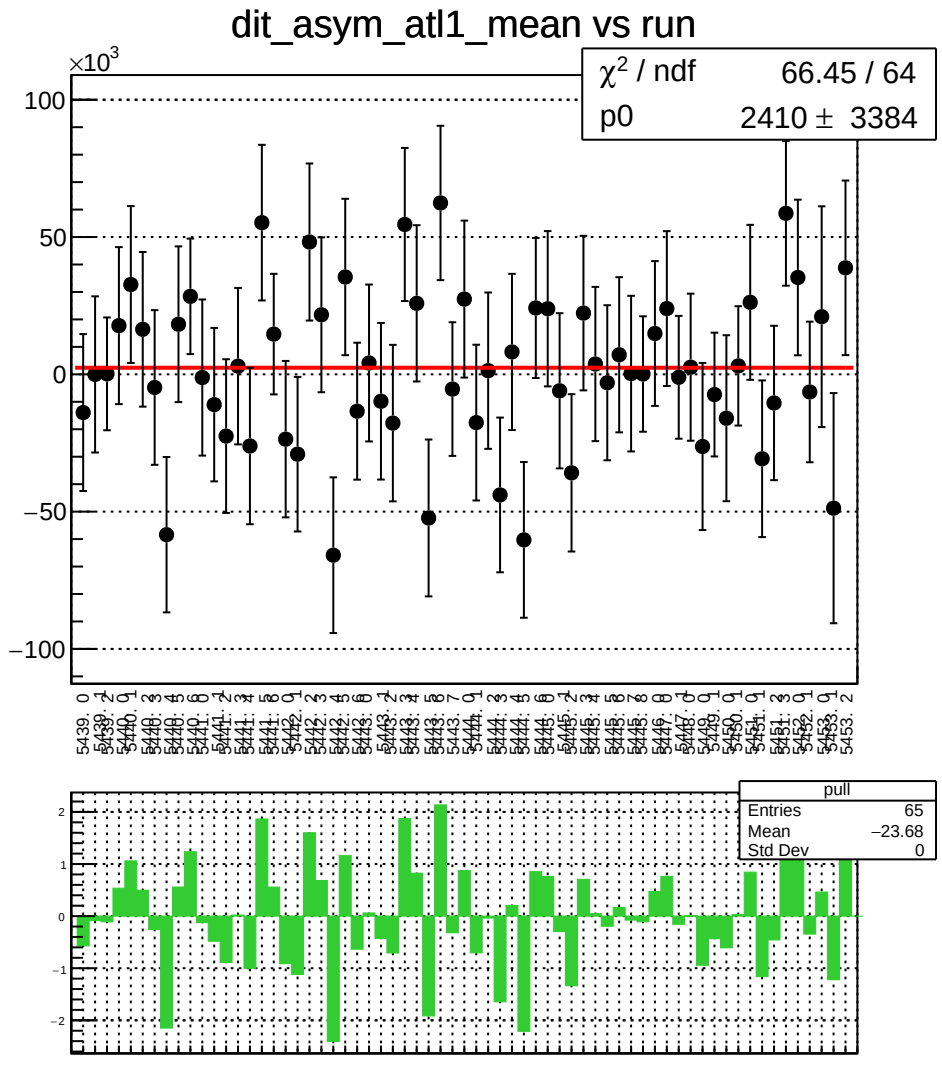

pull1D
Entries 65
Mean −0.01905
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

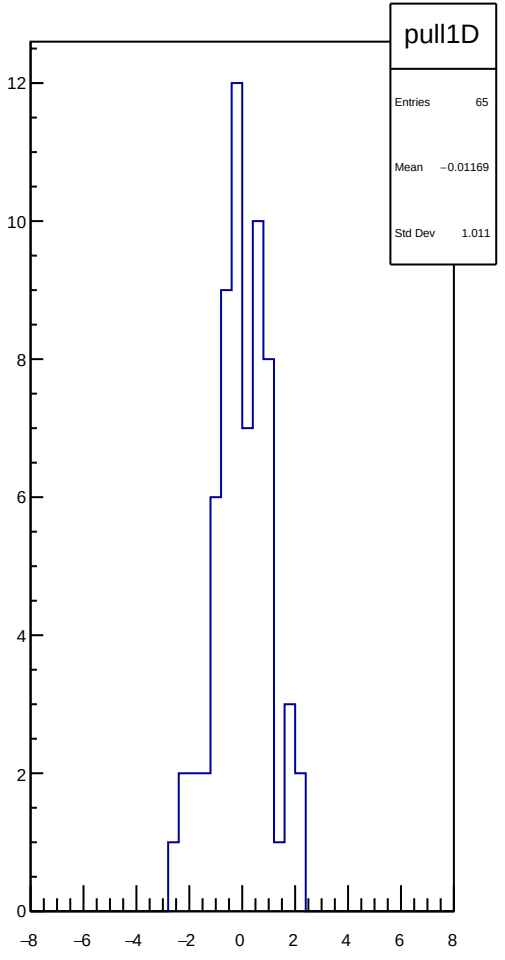

eigen_cor_asym_atl1_rms vs run
χ² / ndf 406 / 64
p0 2701 ± 2.355
2900
2850
2800
2750
2700
2650
2600

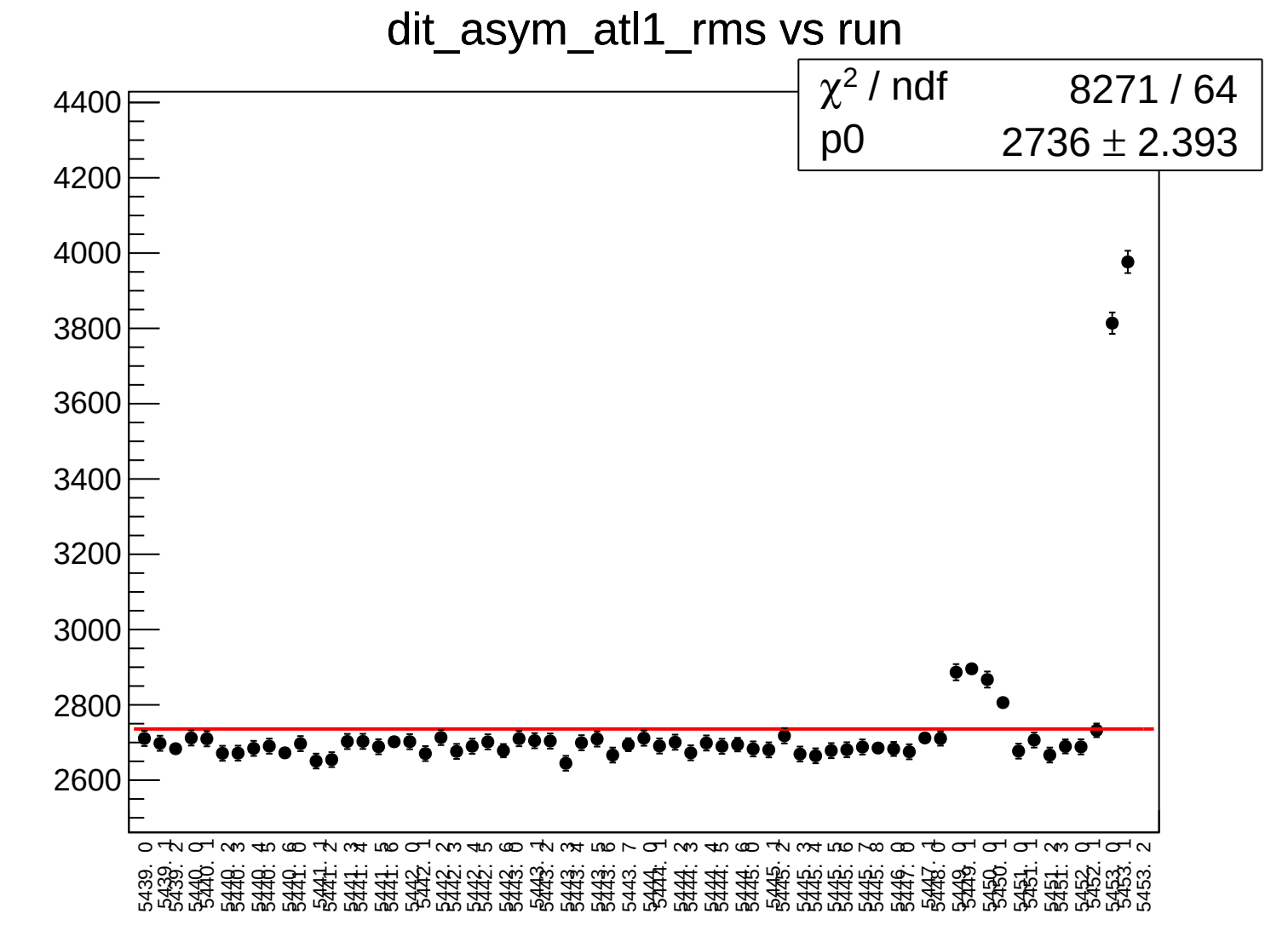

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 50.05 / 64
p0 −43.73 ± 1237
pull
Entries 65
Mean −15.16
Std Dev 0

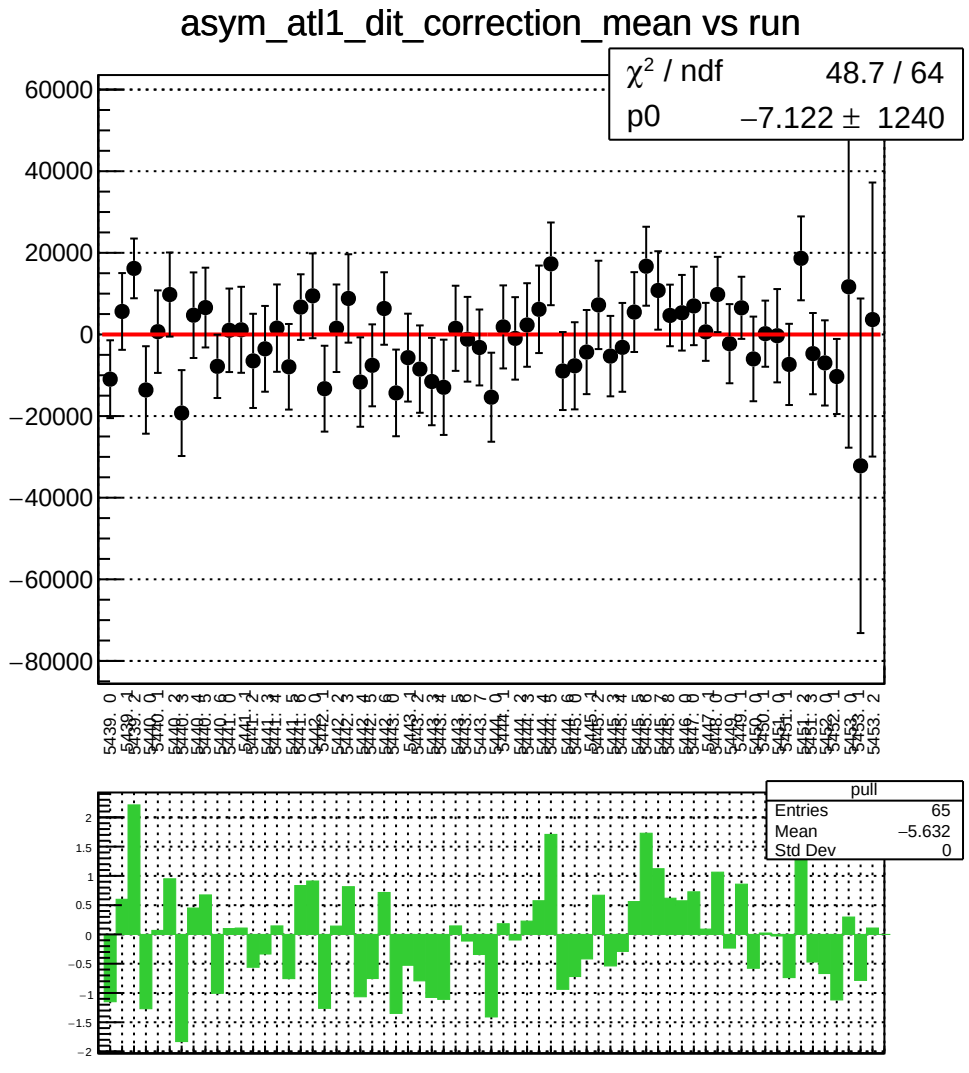

pull1D
Entries 65
Mean −0.02914
Std Dev 0.877

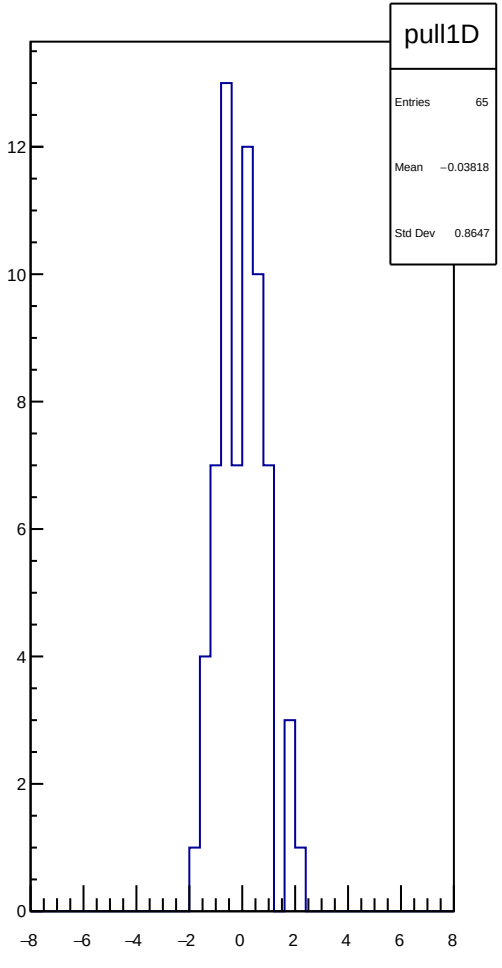

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 4394 / 64
p0 1002 ± 0.875
1200
1150
1100
1050
1000
950
900

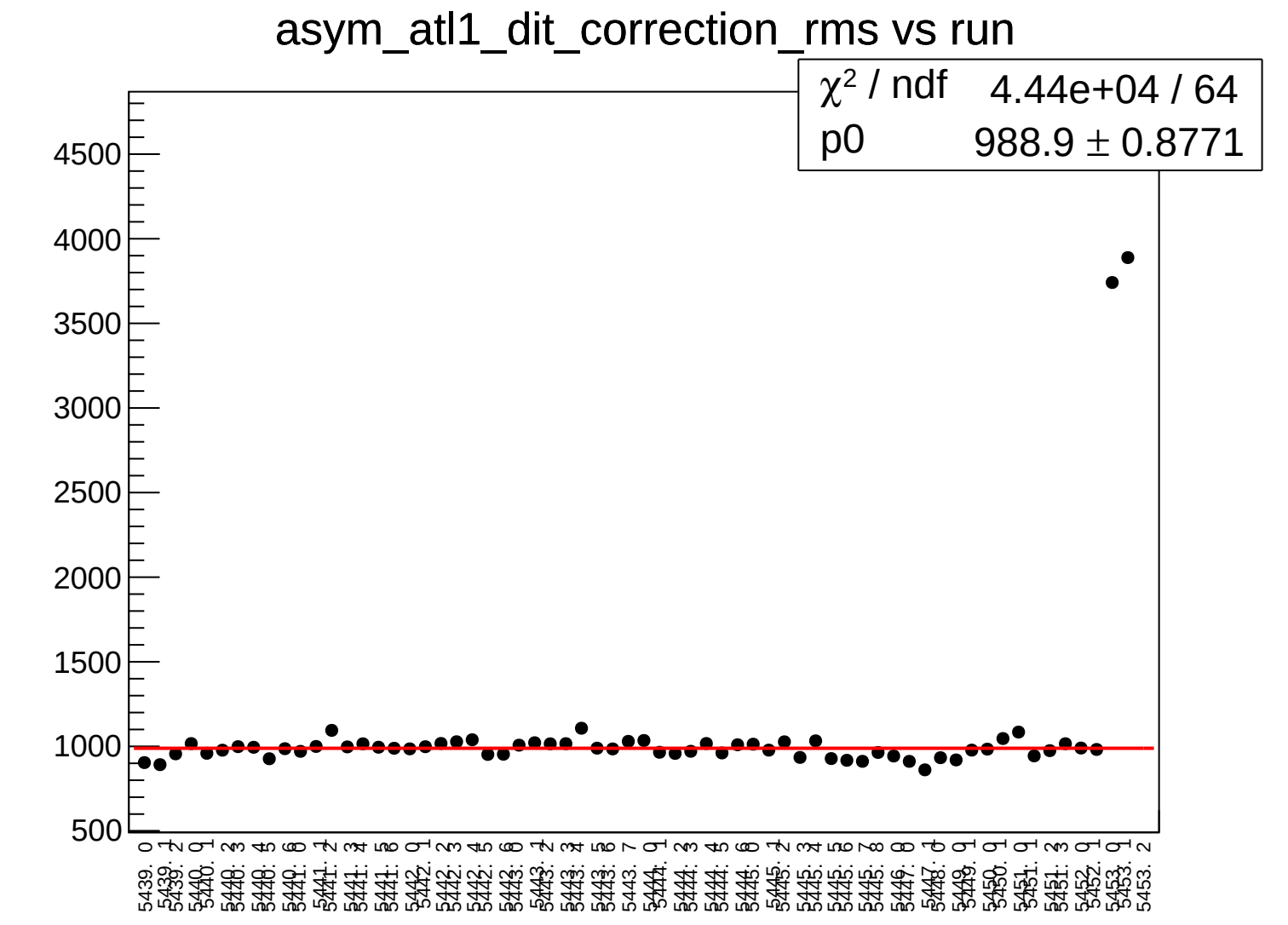

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 66.45 / 64
p0 2410 ± 3384
pull
Entries 65
Mean −23.68
Std Dev 0

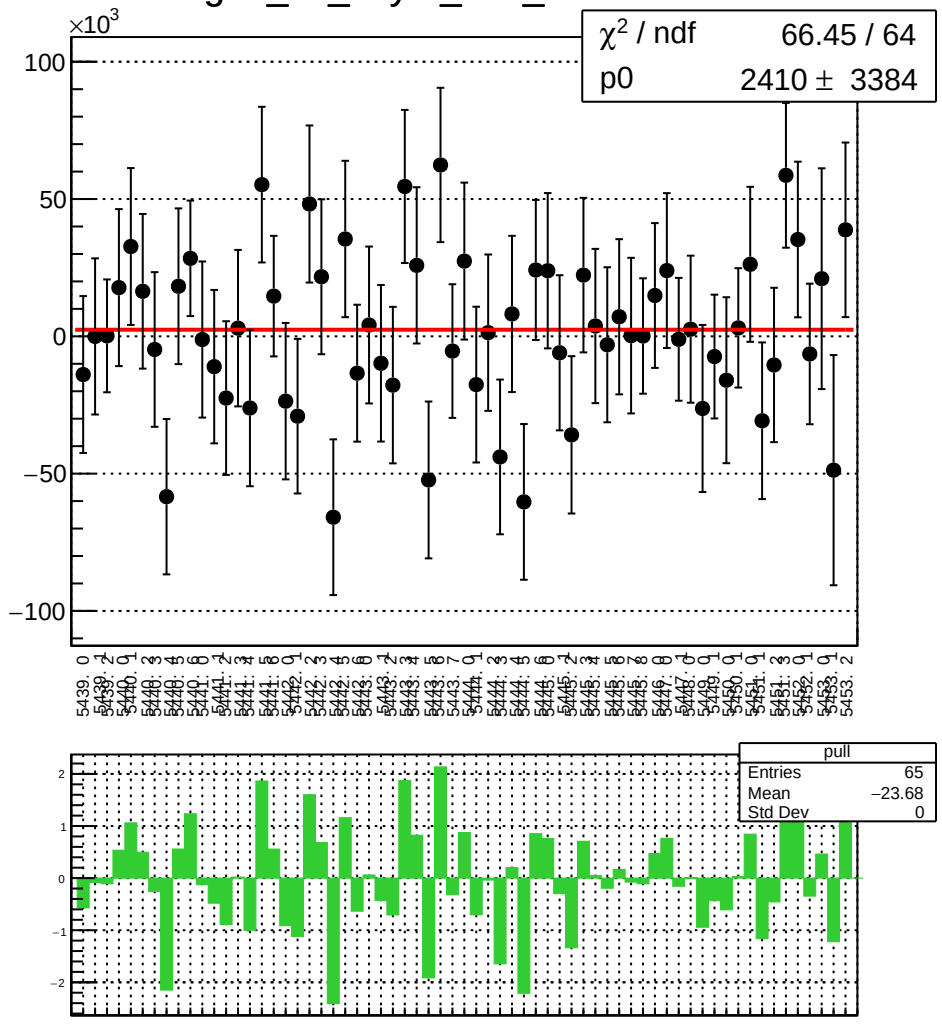

pull1D
Entries 65
Mean −0.01169
Std Dev 1.011

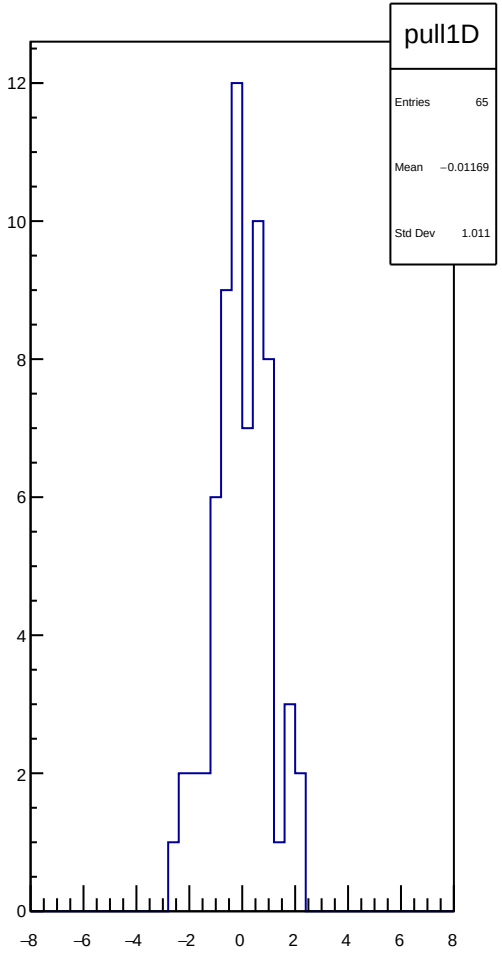

dit_asym_atl1_rms vs run
χ² / ndf 8271 / 64
p0 2736 ± 2.393
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600

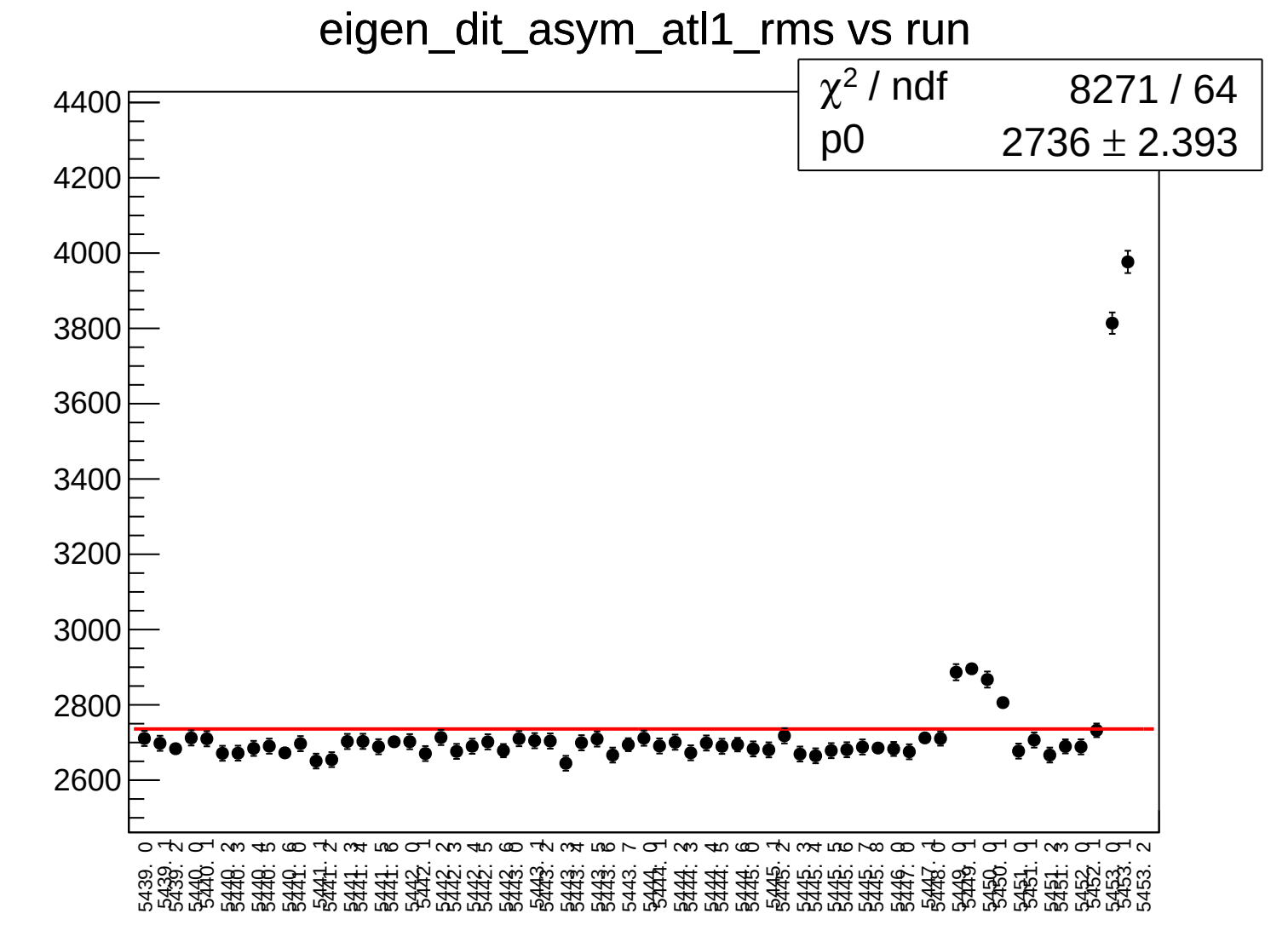

asym_atl1_dit_correction_mean vs run
χ² / ndf 48.7 / 64
p0 −7.122 ± 1240
pull
Entries 65
Mean −5.632
Std Dev 0

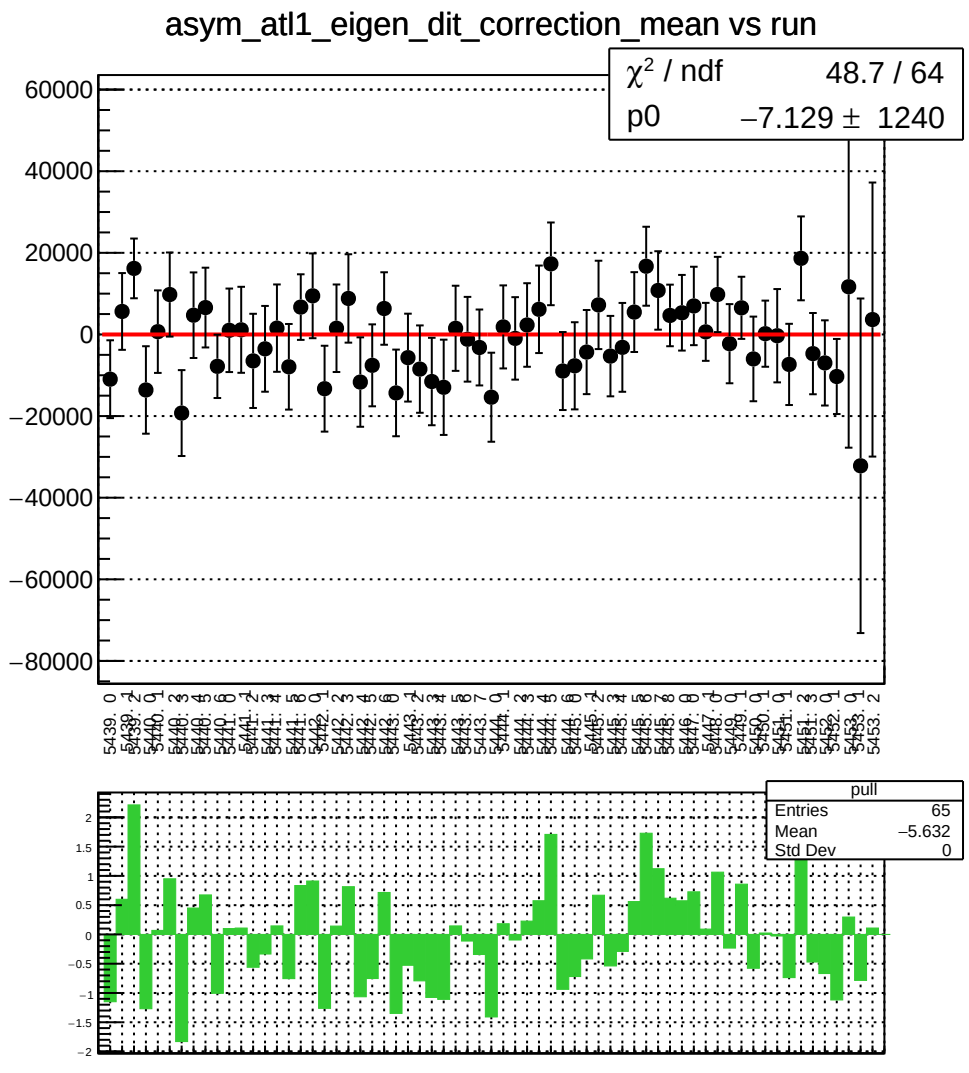

pull1D
Entries 65
Mean −0.03818
Std Dev 0.8647

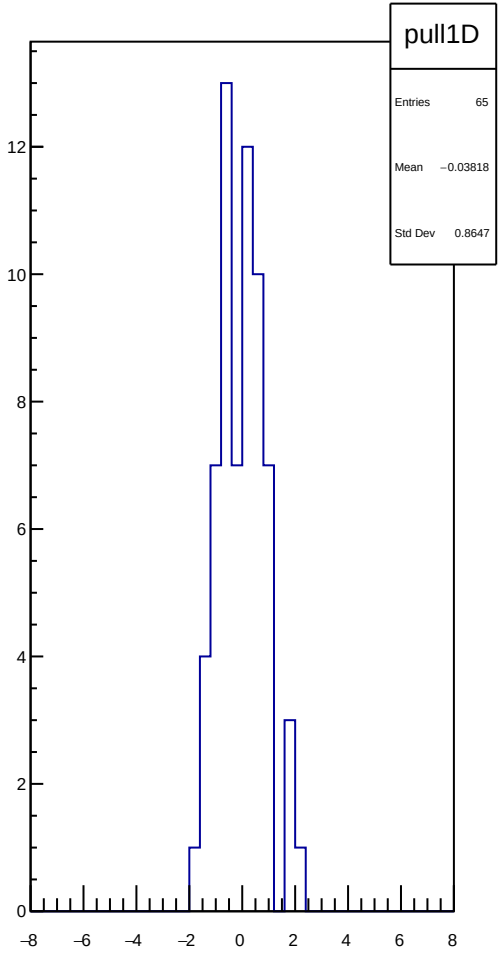

asym_atl1_dit_correction_rms vs run
χ² / ndf 4.44e+04 / 64
p0 988.9 ± 0.8771
4500
4000
3500
3000
2500
2000
1500
1000
500

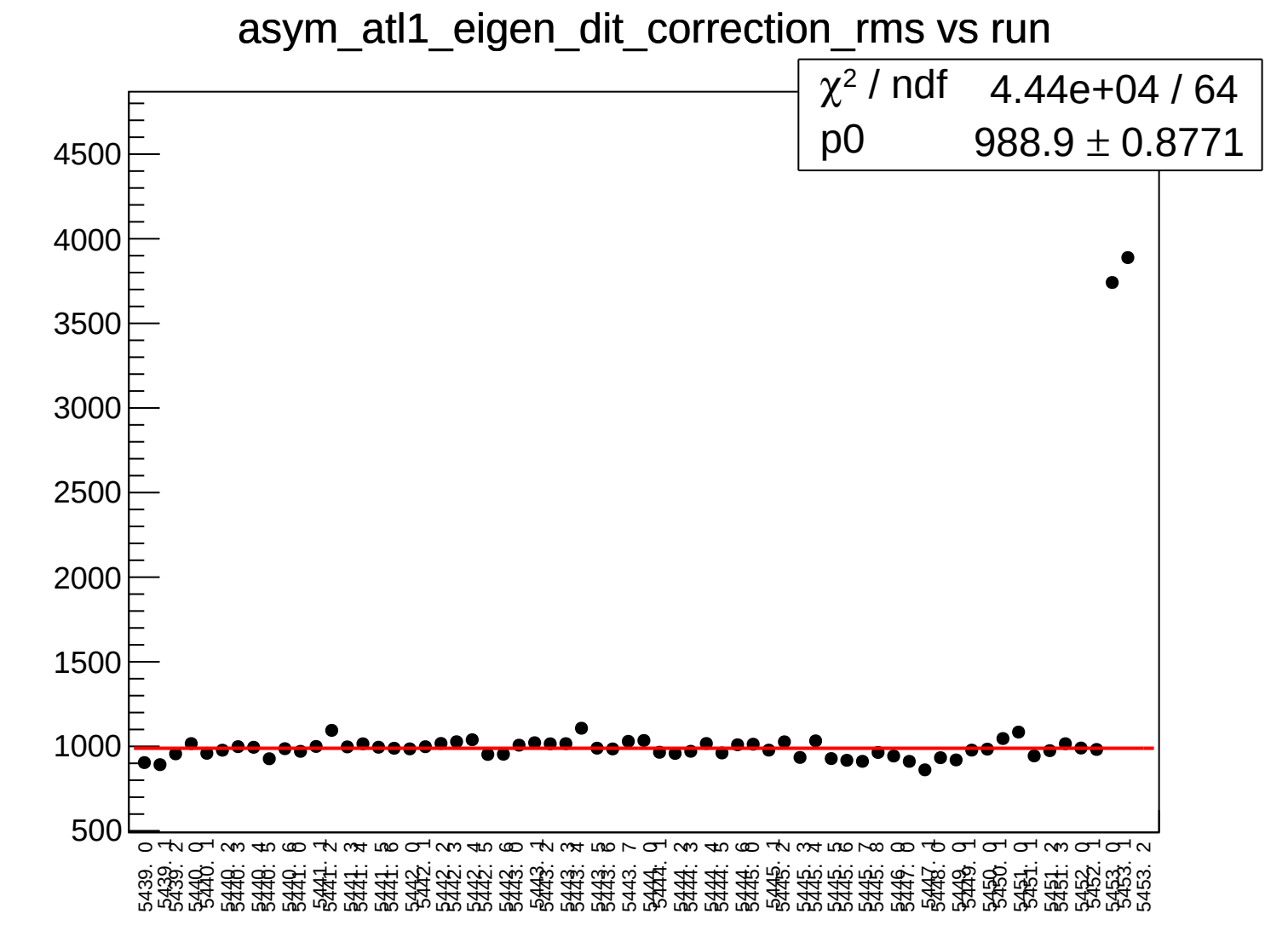

eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 66.45 / 64
p0 2410 ± 3384
100
50
0
−50
−100
pull
Entries 65
Mean −23.68
Std Dev 0
2
1
0
−1
−2

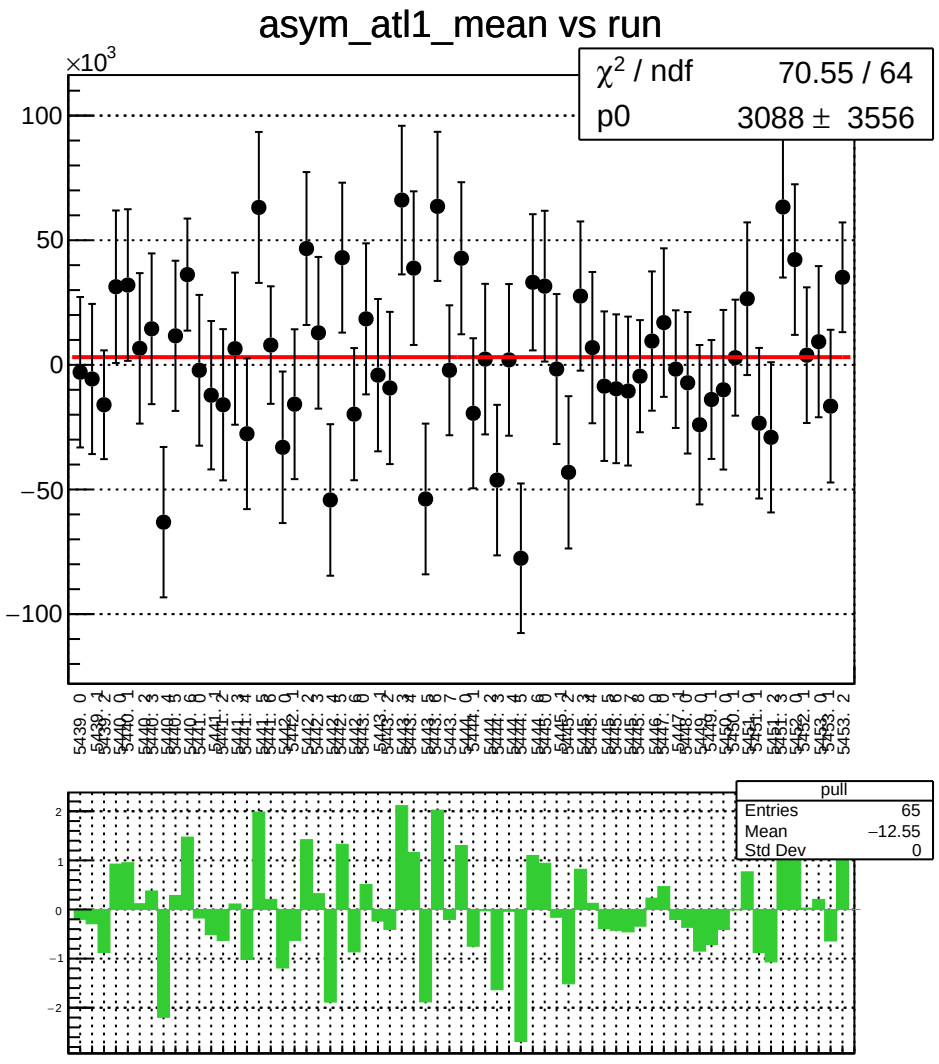

pull1D
Entries 65
Mean −0.01169
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

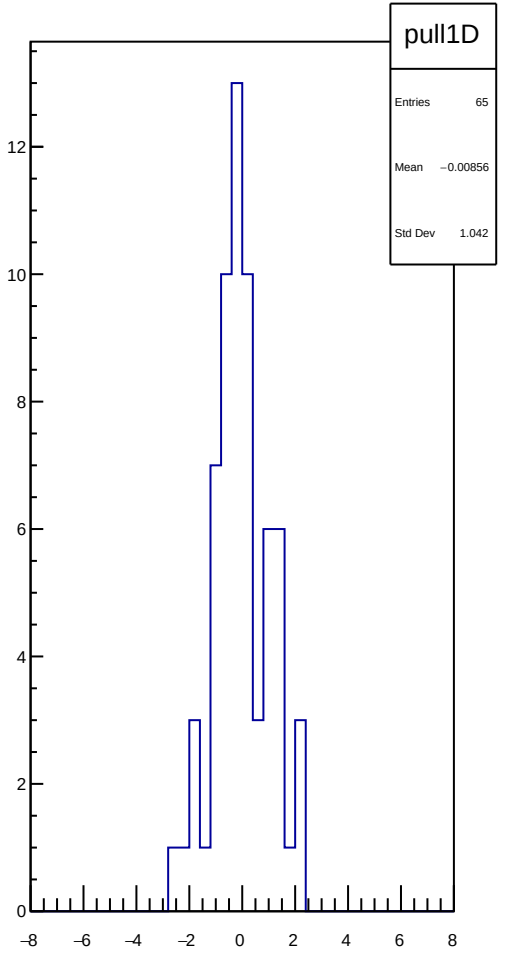

eigen_dit_asym_atl1_rms vs run
χ² / ndf 8271 / 64
p0 2736 ± 2.393
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600

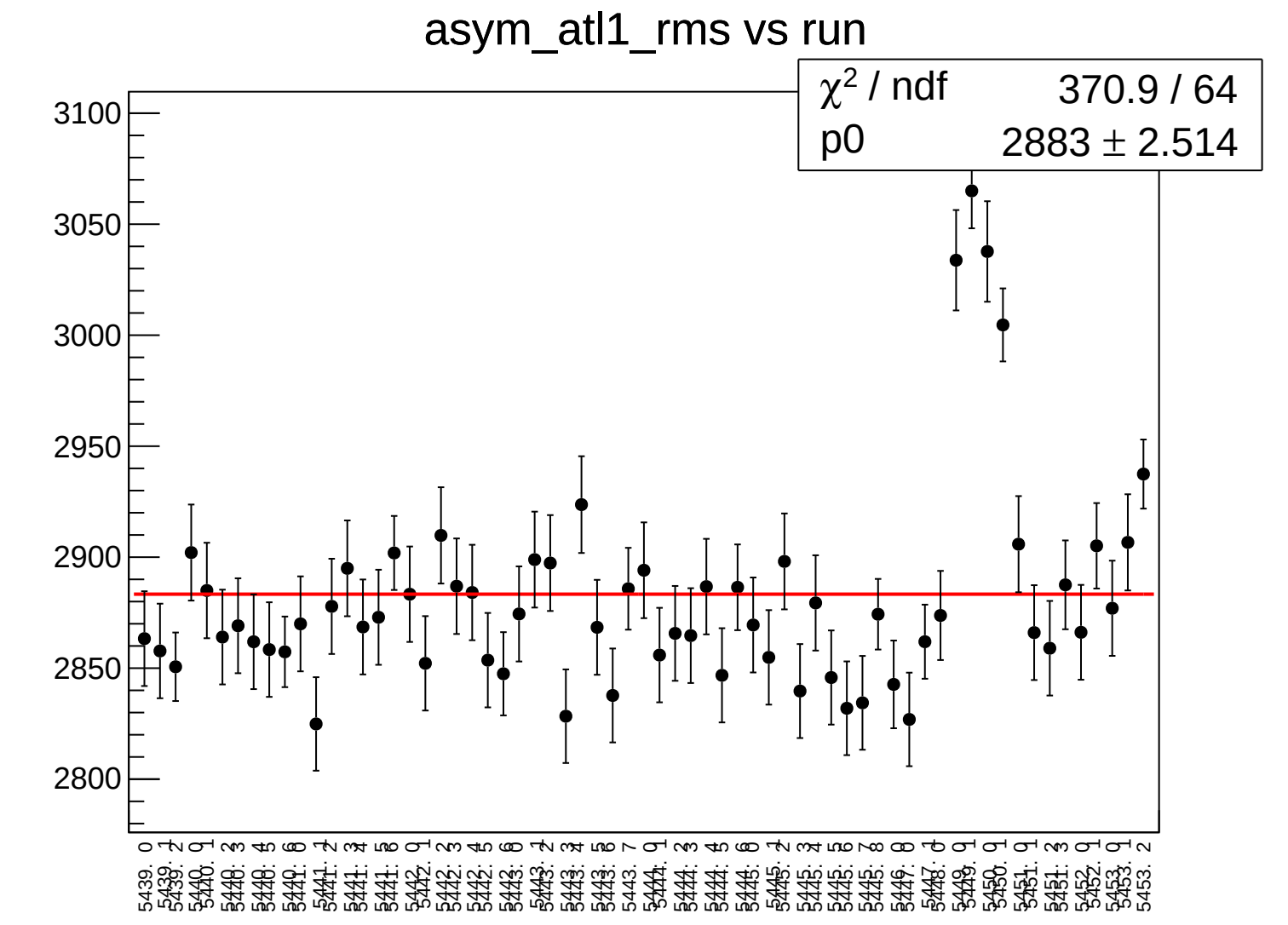

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 48.7 / 64
p0 −7.129 ± 1240
pull
Entries 65
Mean −5.632
Std Dev 0

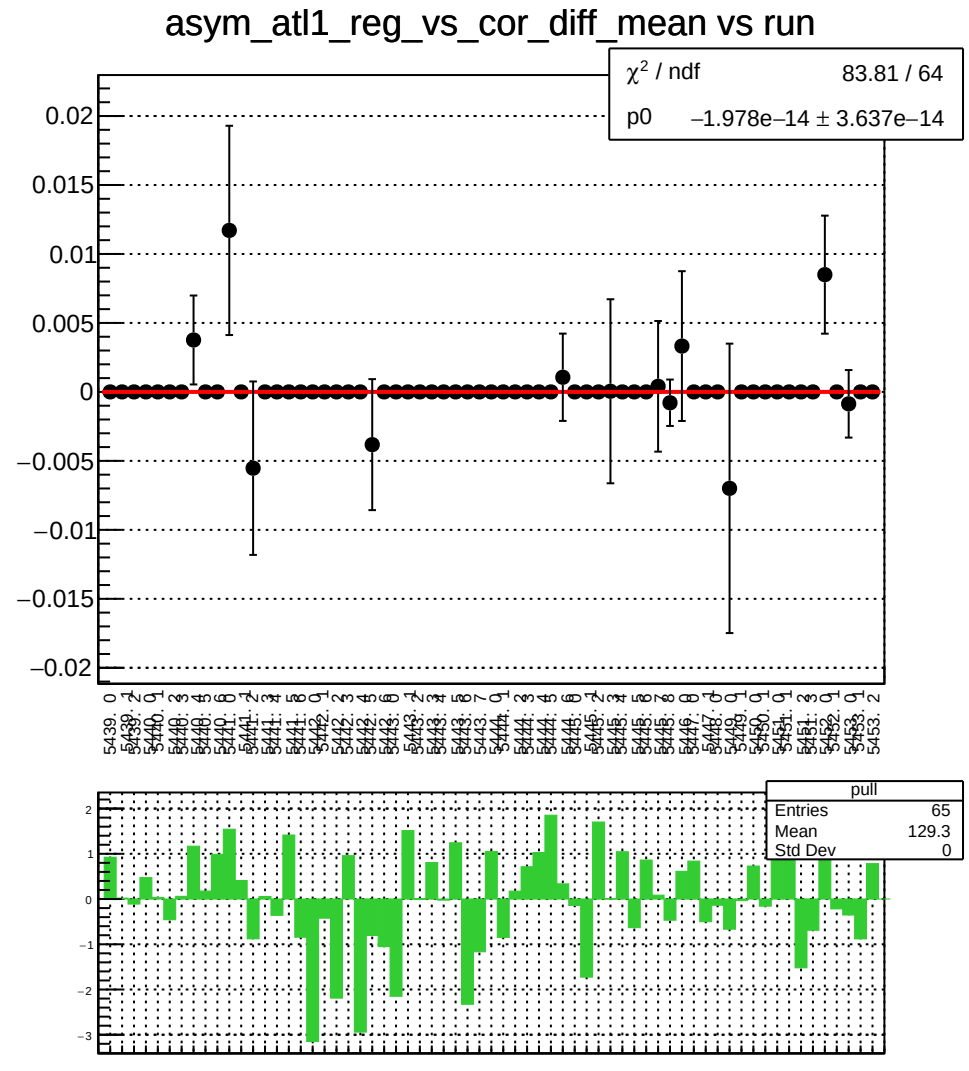

pull1D
Entries 65
Mean −0.03818
Std Dev 0.8647

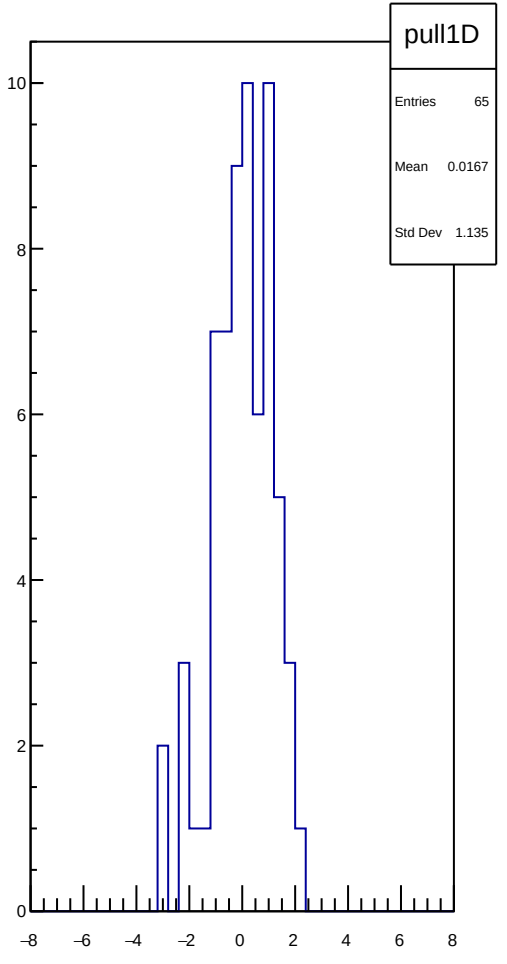

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 4.44e+04 / 64
p0 988.9 ± 0.8771
4500
4000
3500
3000
2500
2000
1500
1000
500

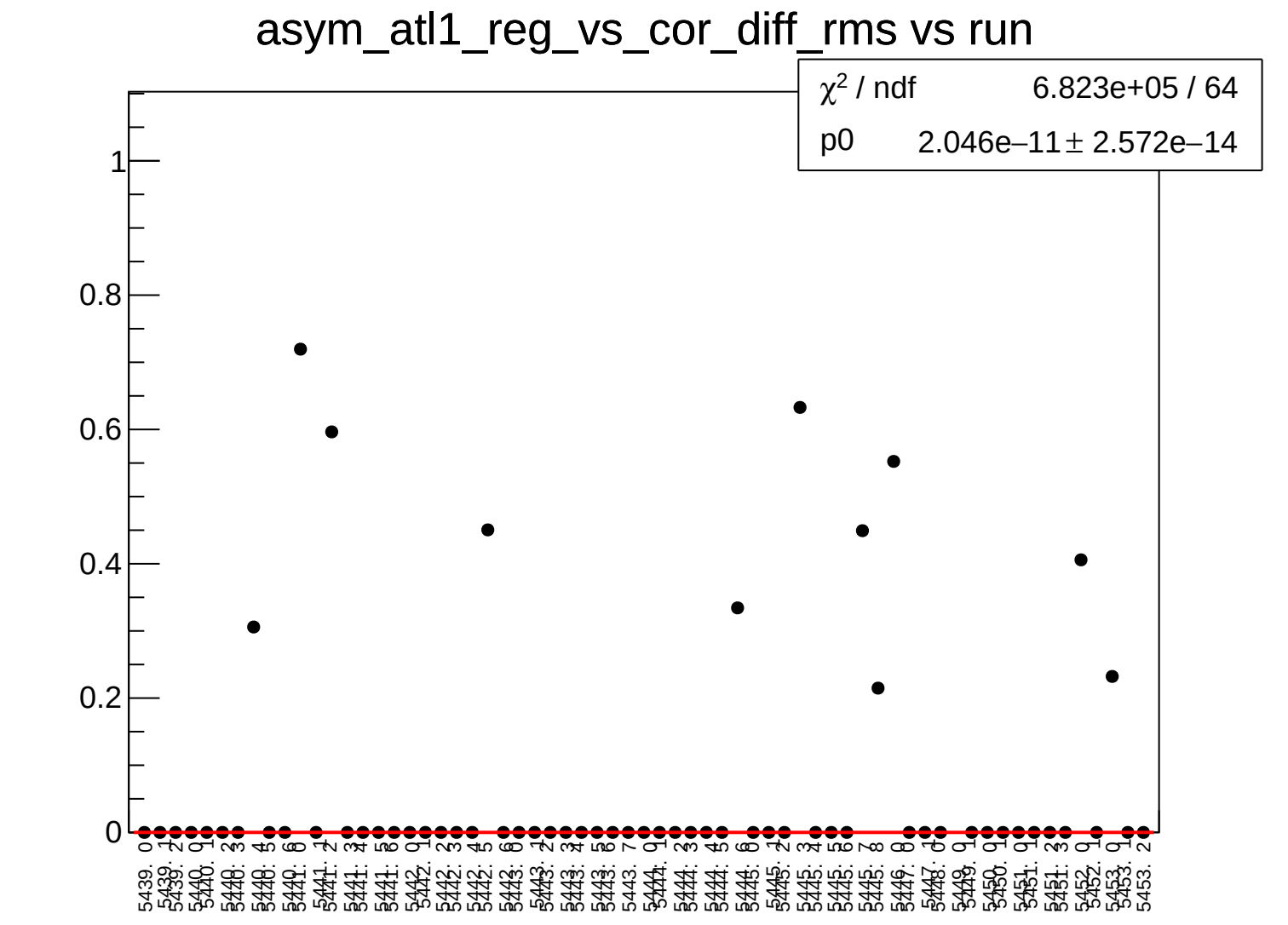

asym_atl1_mean vs run
×10^3
χ² / ndf 70.55 / 64
p0 3088 ± 3556
100
50
0
−50
−100
pull
Entries 65
Mean −12.55
Std Dev 0
2
1
0
−1
−2

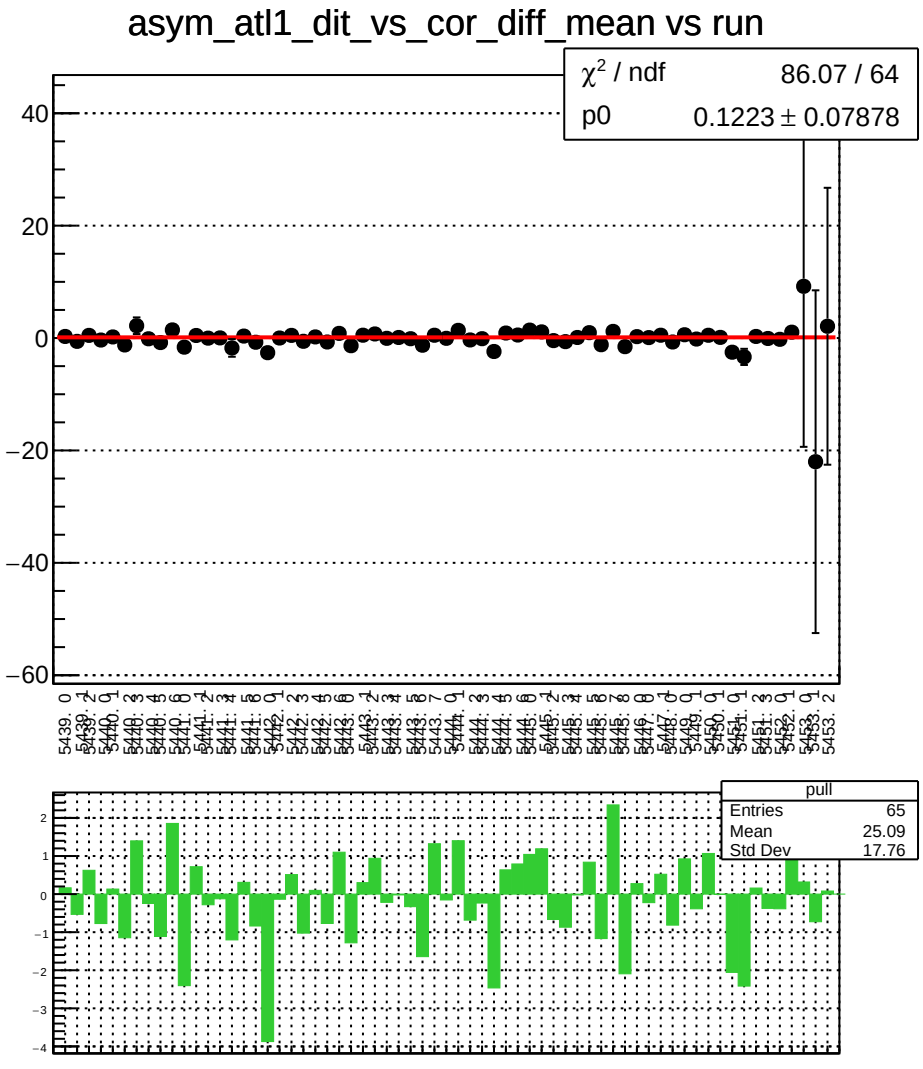

pull1D
Entries 65
Mean −0.00856
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

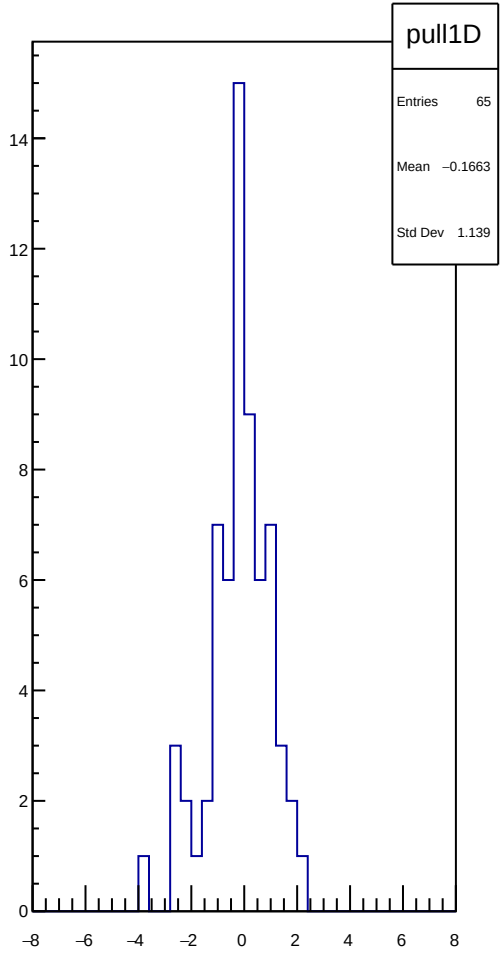

asym_atl1_rms vs run
χ² / ndf 370.9 / 64
p0 2883 ± 2.514
3100
3050
3000
2950
2900
2850
2800

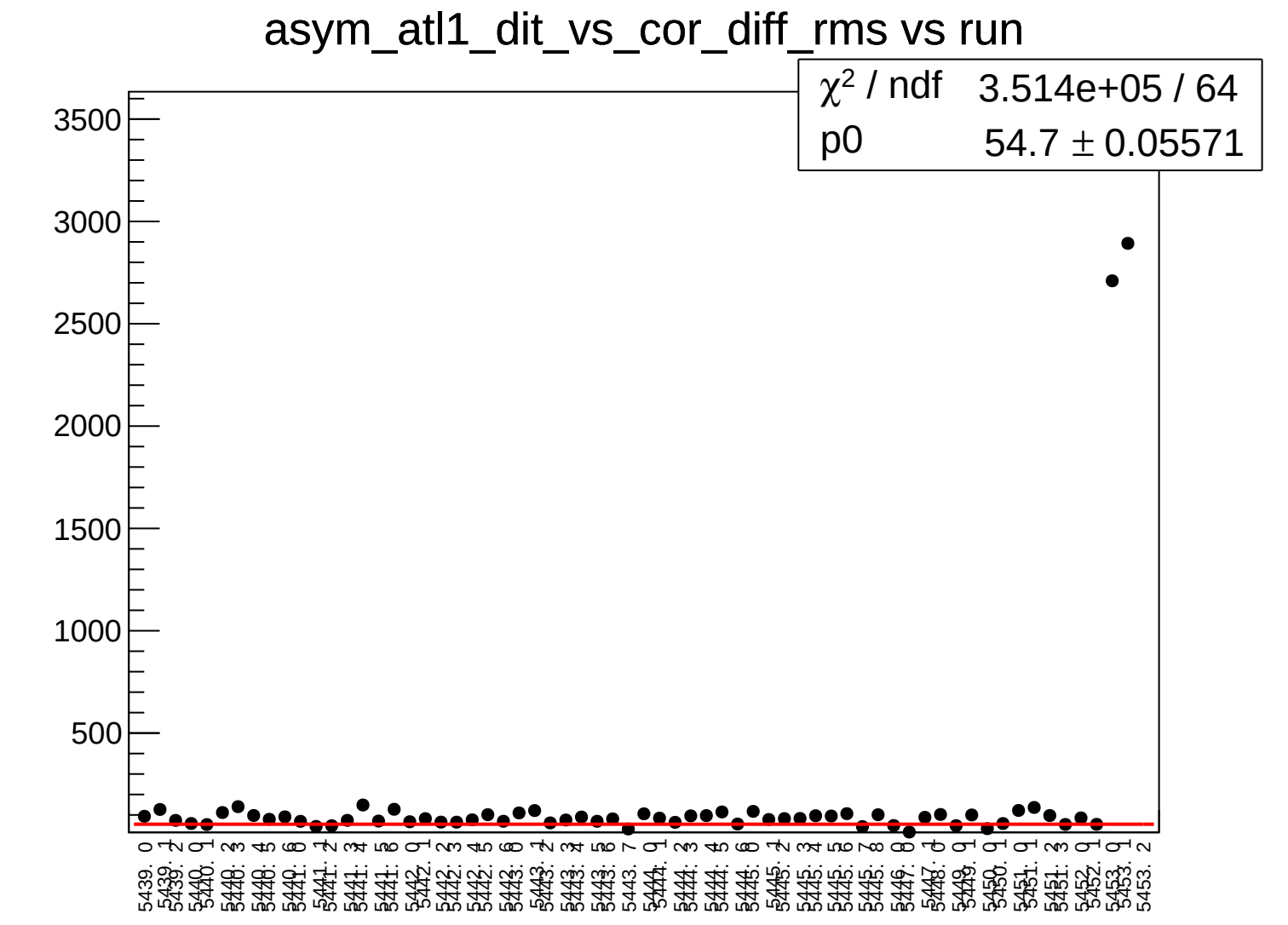

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 83.81 / 64
p0 −1.978e−14 ± 3.637e−14
pull
Entries 65
Mean 129.3
Std Dev 0

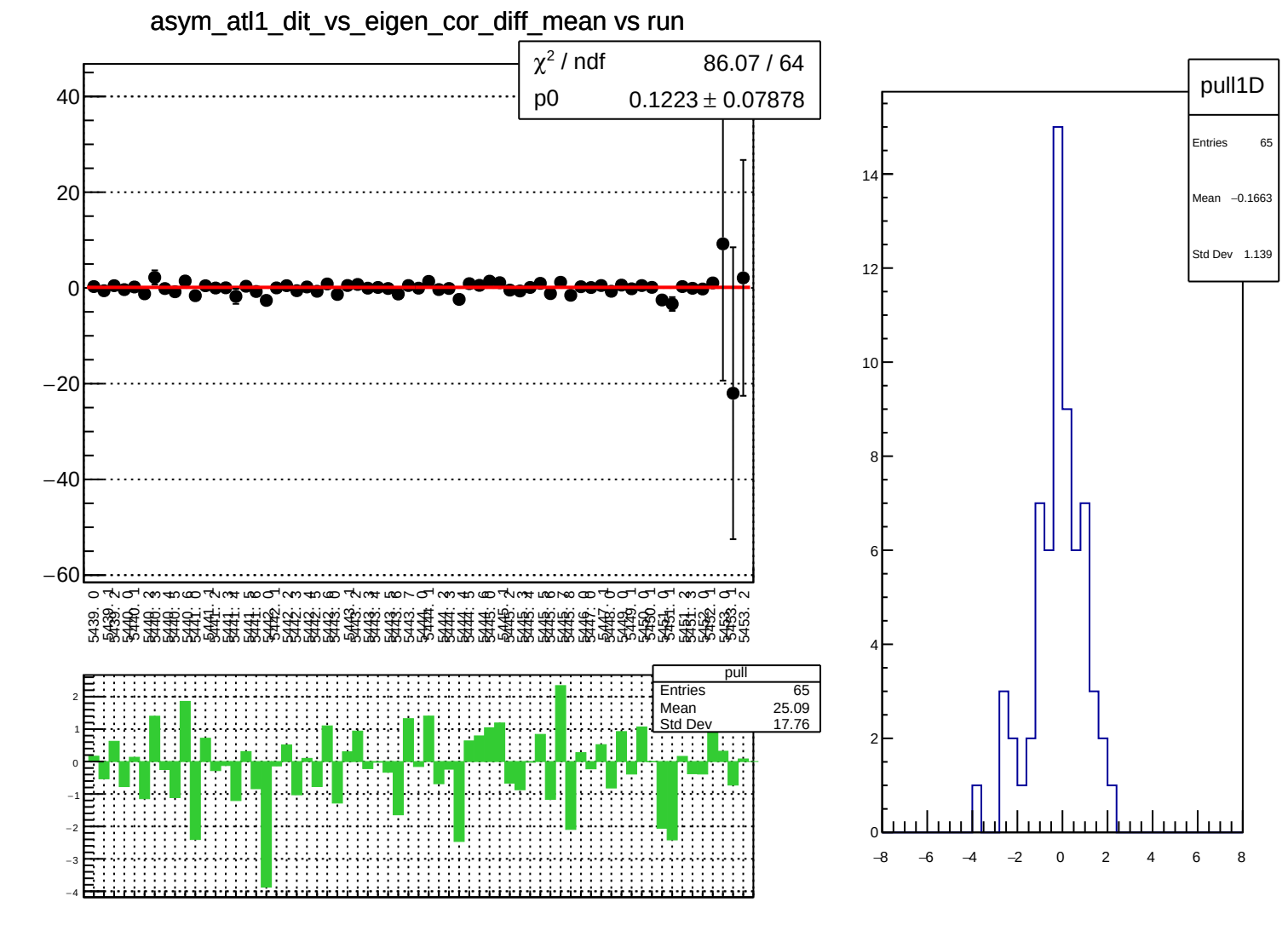

pull1D
Entries 65
Mean 0.0167
Std Dev 1.135

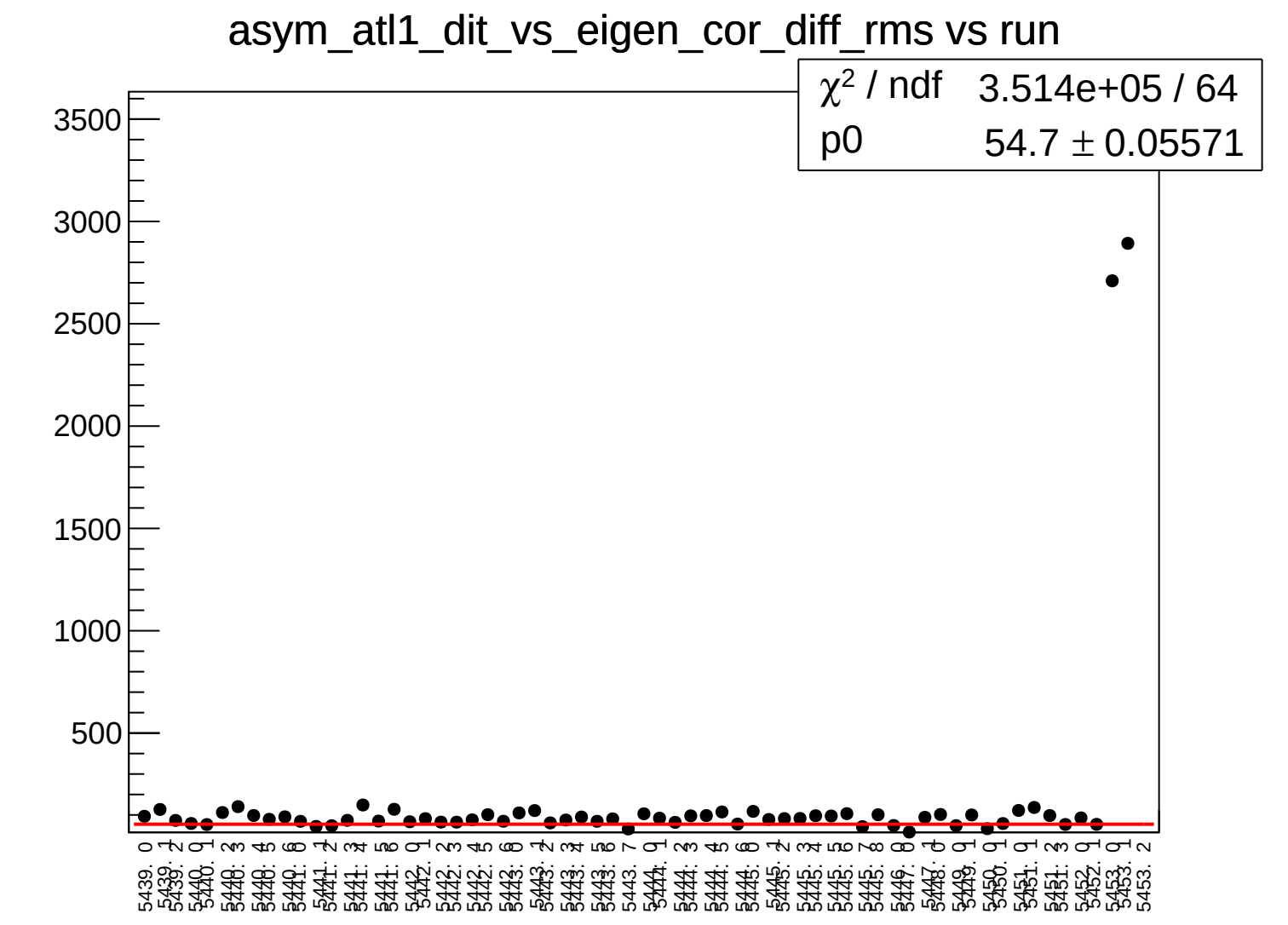

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.823e+05 / 64
p0 2.046e−11 ± 2.572e−14
1
0.8
0.6
0.4
0.2
0

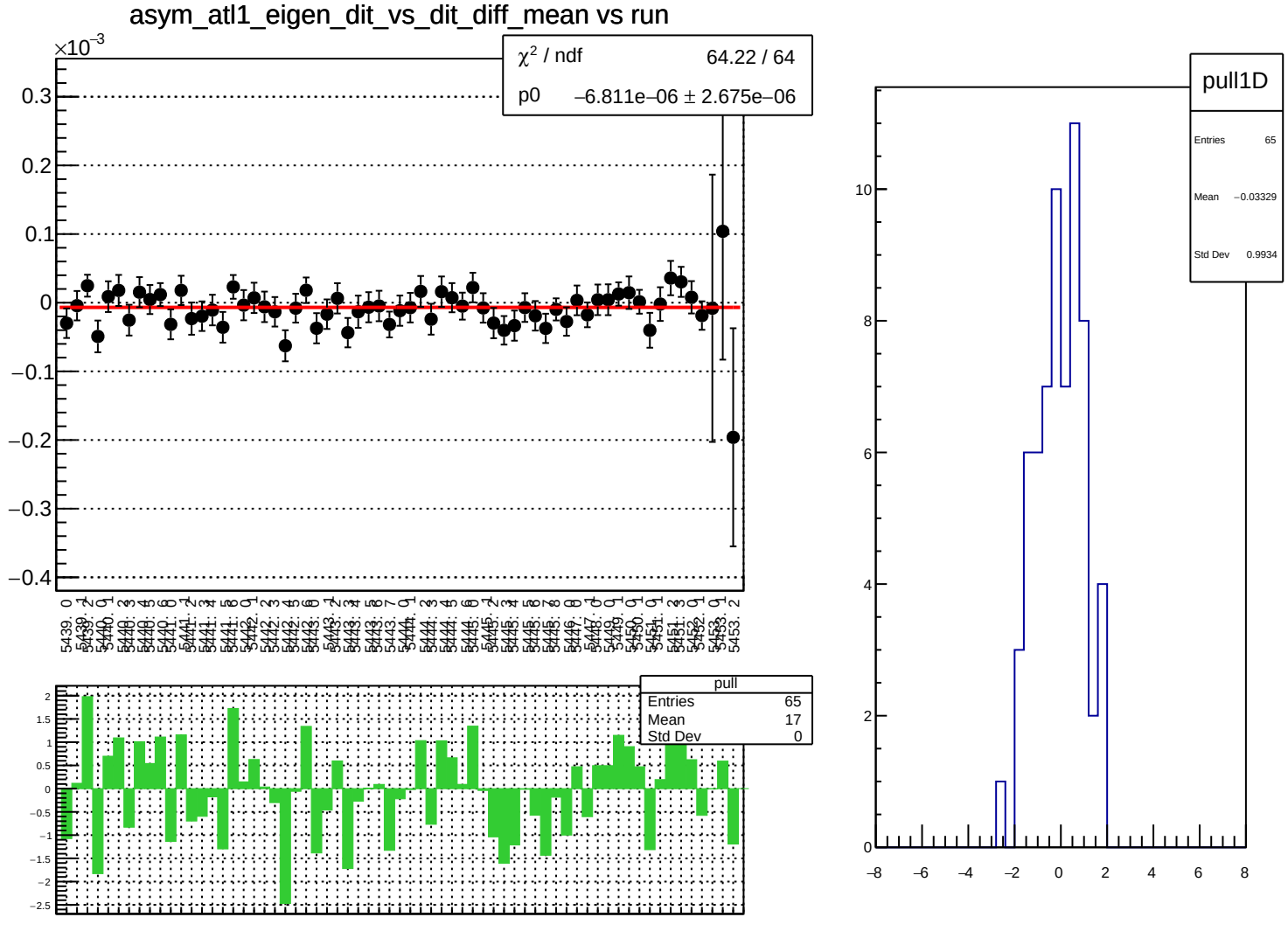

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 86.07 / 64
p0 0.1223 ± 0.07878
pull
Entries 65
Mean 25.09
Std Dev 17.76

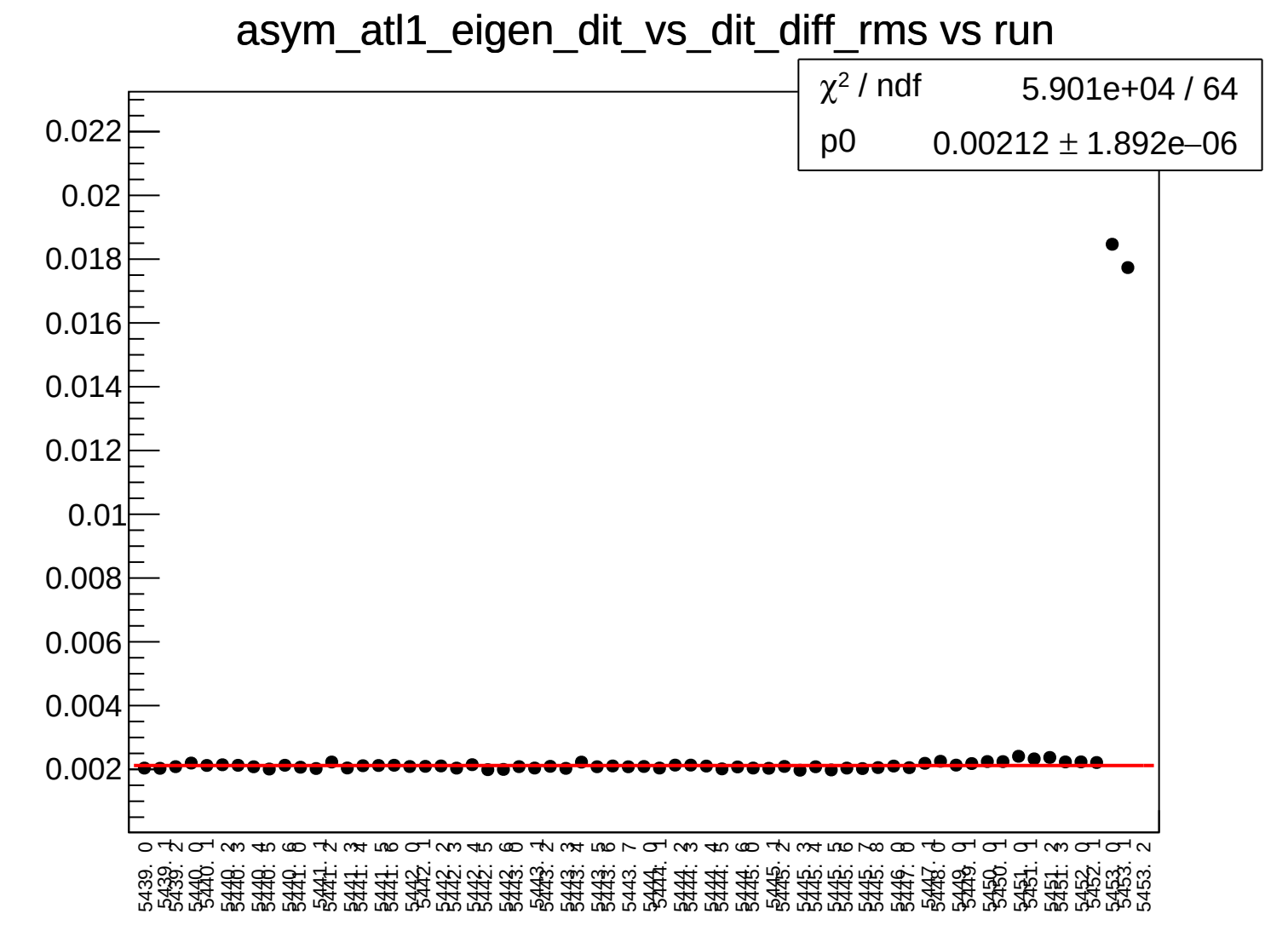

pull1D
Entries 65
Mean −0.1663
Std Dev 1.139

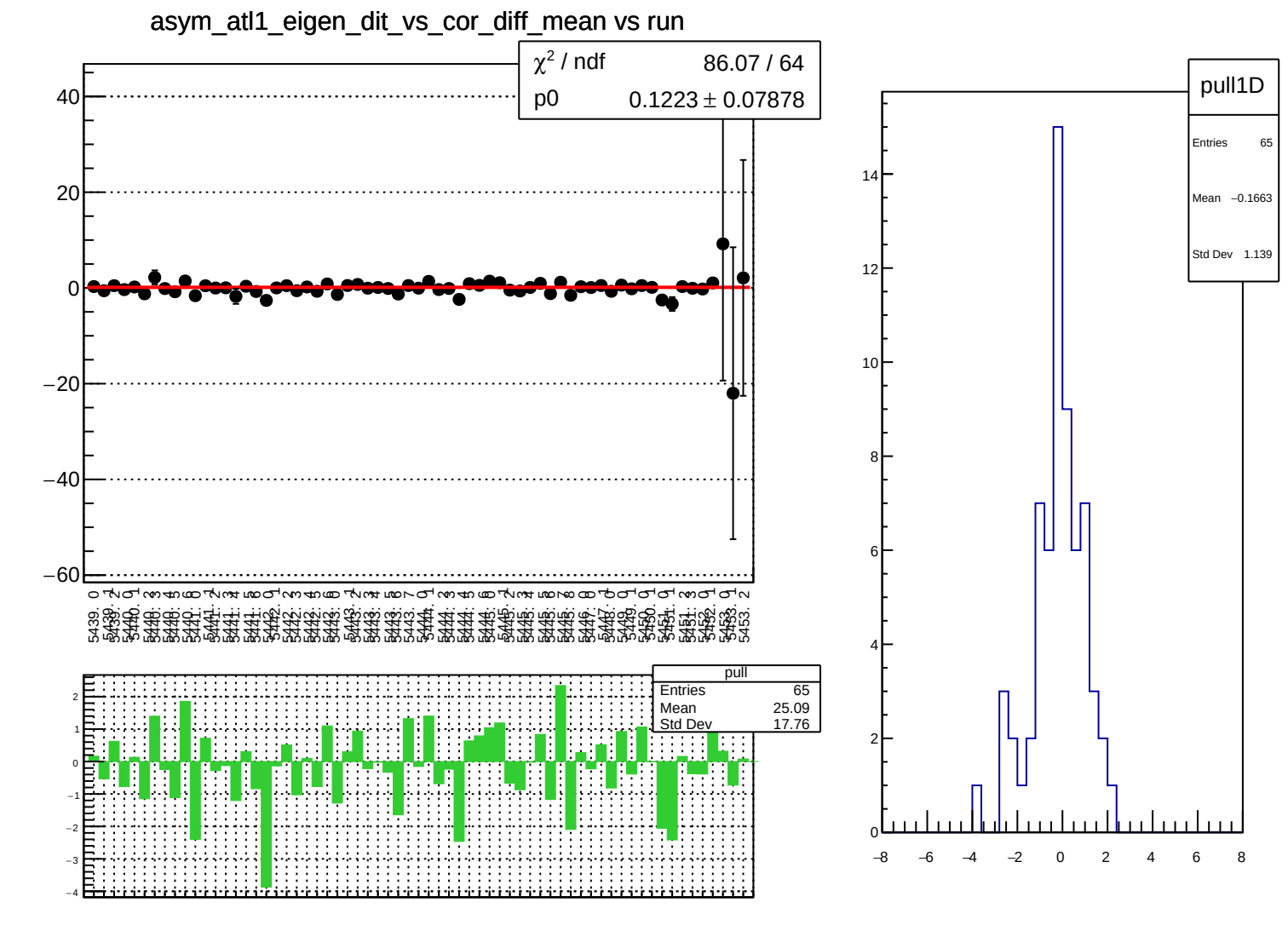

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 3.514e+05 / 64
p0 54.7 ± 0.05571
3500
3000
2500
2000
1500
1000
500

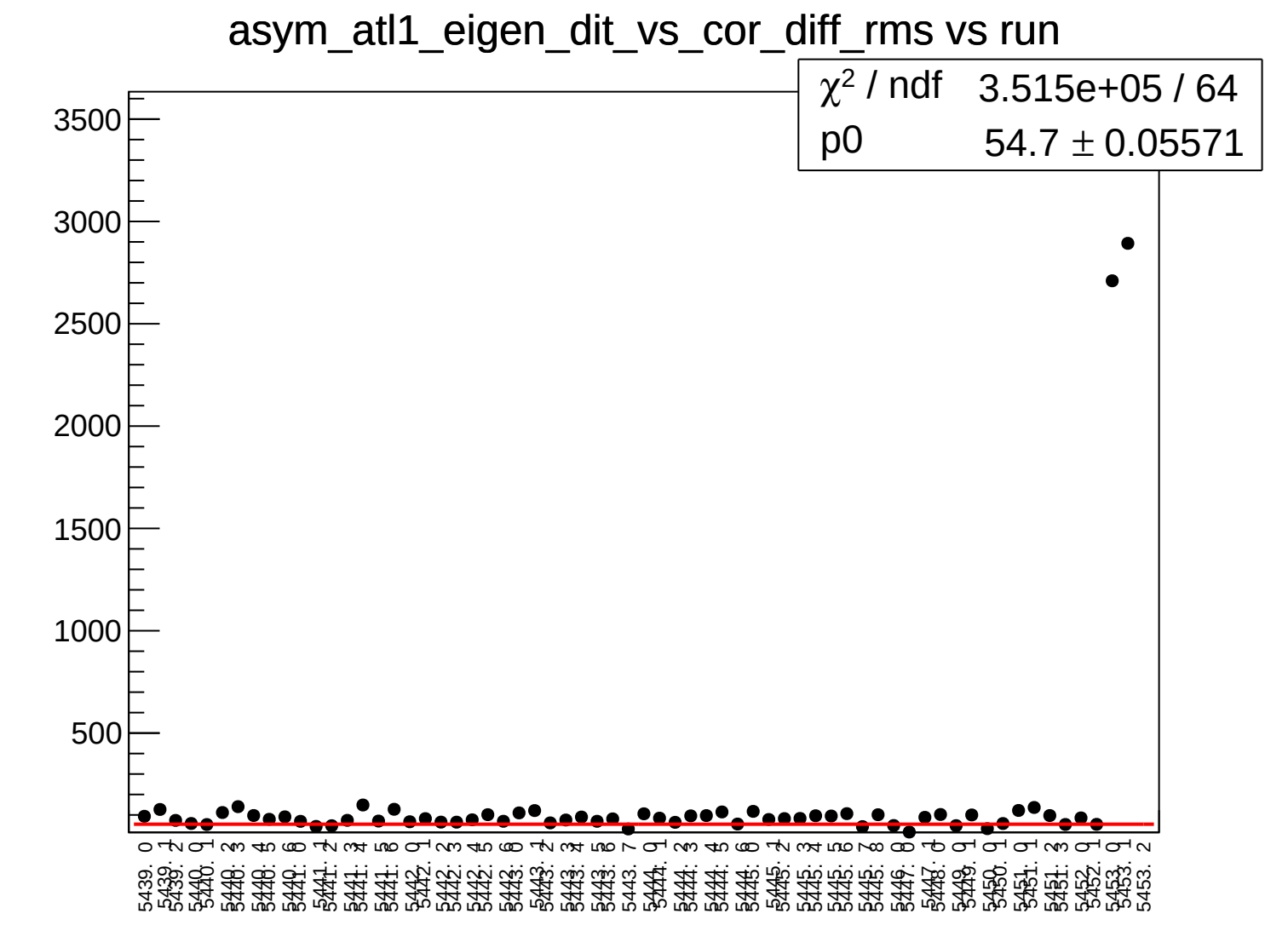

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.07 / 64
p0 0.1223 ± 0.07878
pull
Entries 65
Mean 25.09
Std Dev 17.76
pull1D
Entries 65
Mean −0.1663
Std Dev 1.139

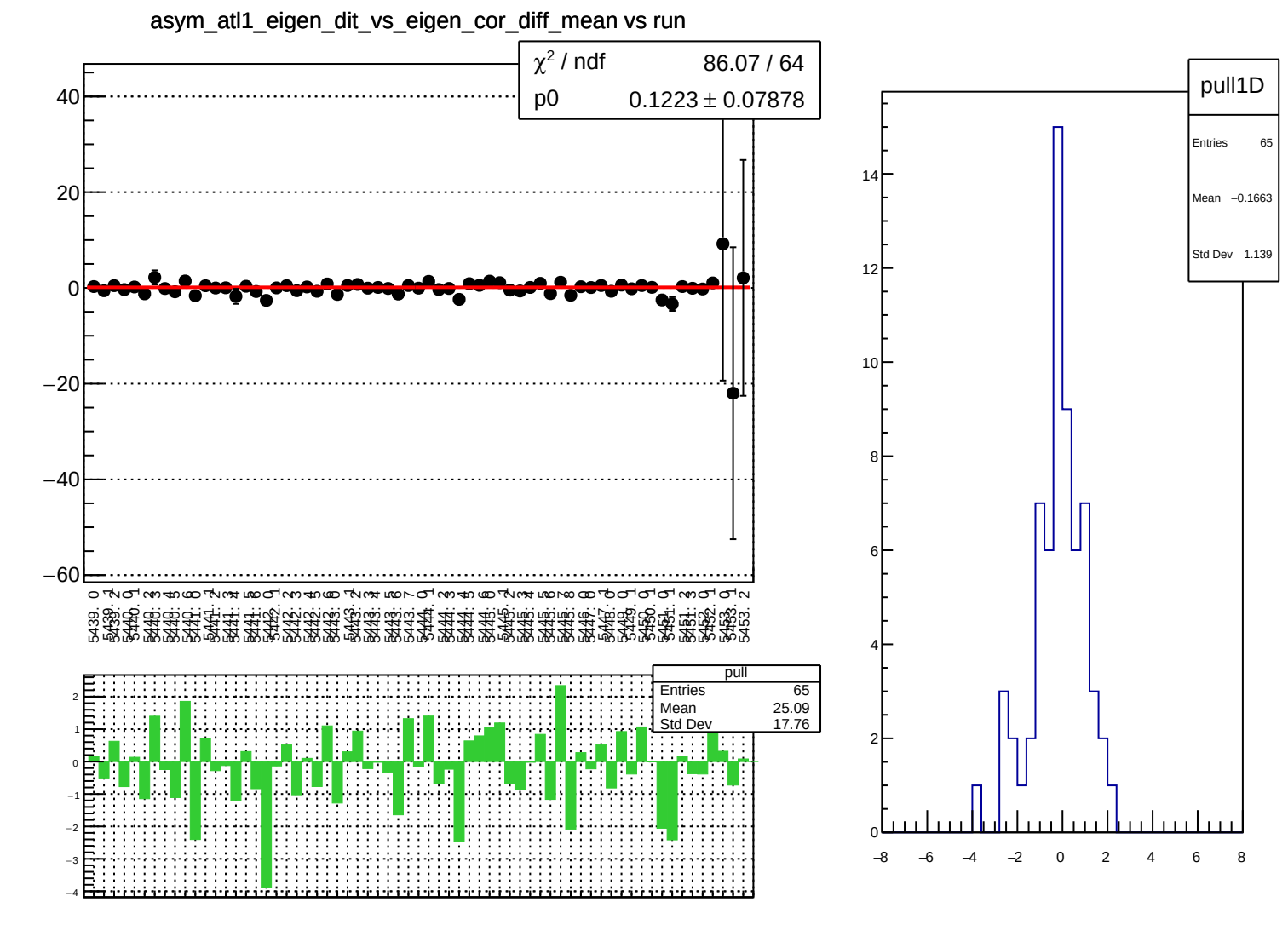

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.514e+05 / 64
p0 54.7 ± 0.05571
3500
3000
2500
2000
1500
1000
500

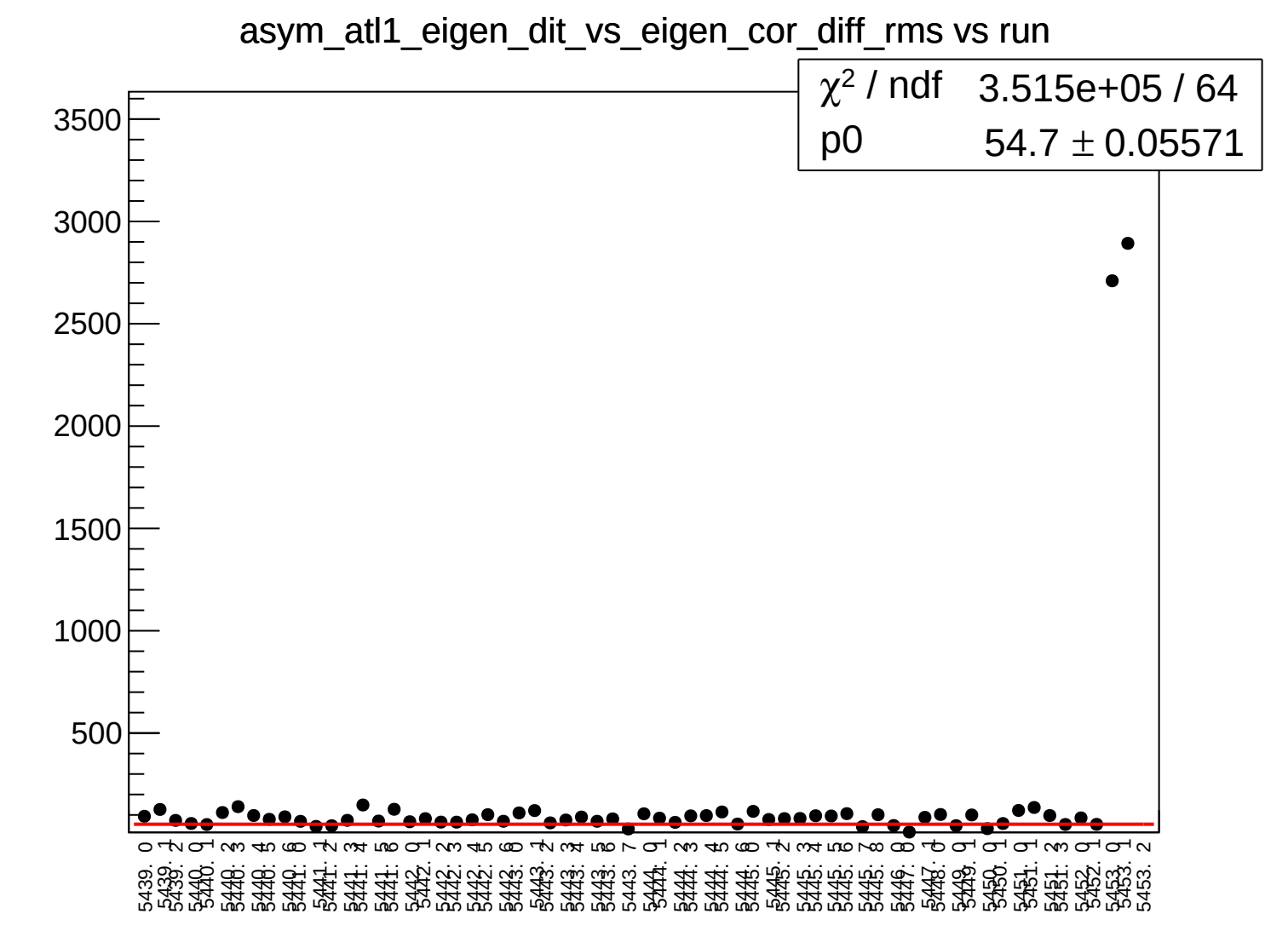

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.22 / 64
p0 −6.811e−06 ± 2.675e−06
pull
Entries 65
Mean 17
Std Dev 0
pull1D
Entries 65
Mean −0.03329
Std Dev 0.9934

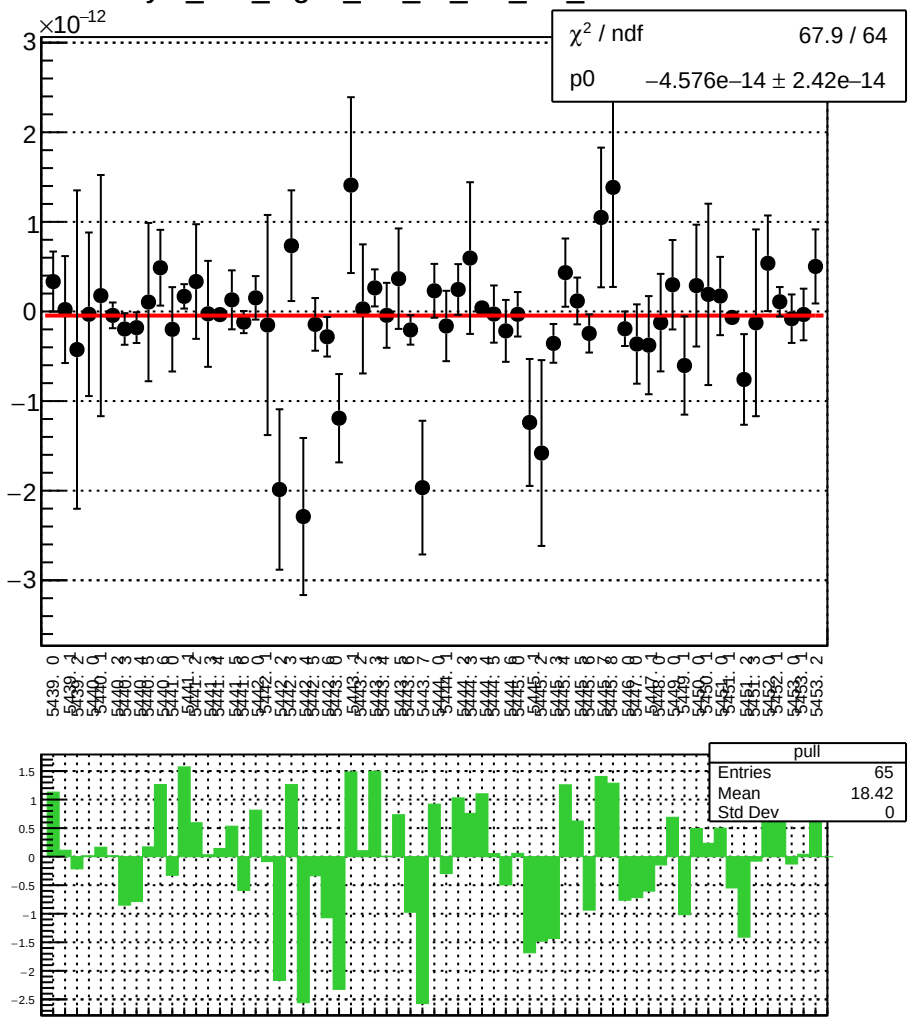

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.901e+04 / 64
p0 0.00212 ± 1.892e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

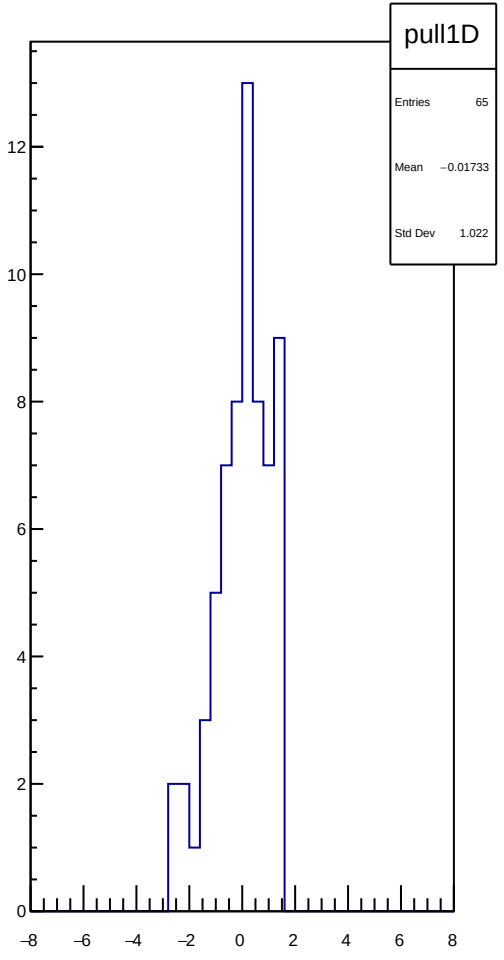

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.07 / 64
p0 0.1223 ± 0.07878
pull
Entries 65
Mean 25.09
Std Dev 17.76
pull1D
Entries 65
Mean −0.1663
Std Dev 1.139

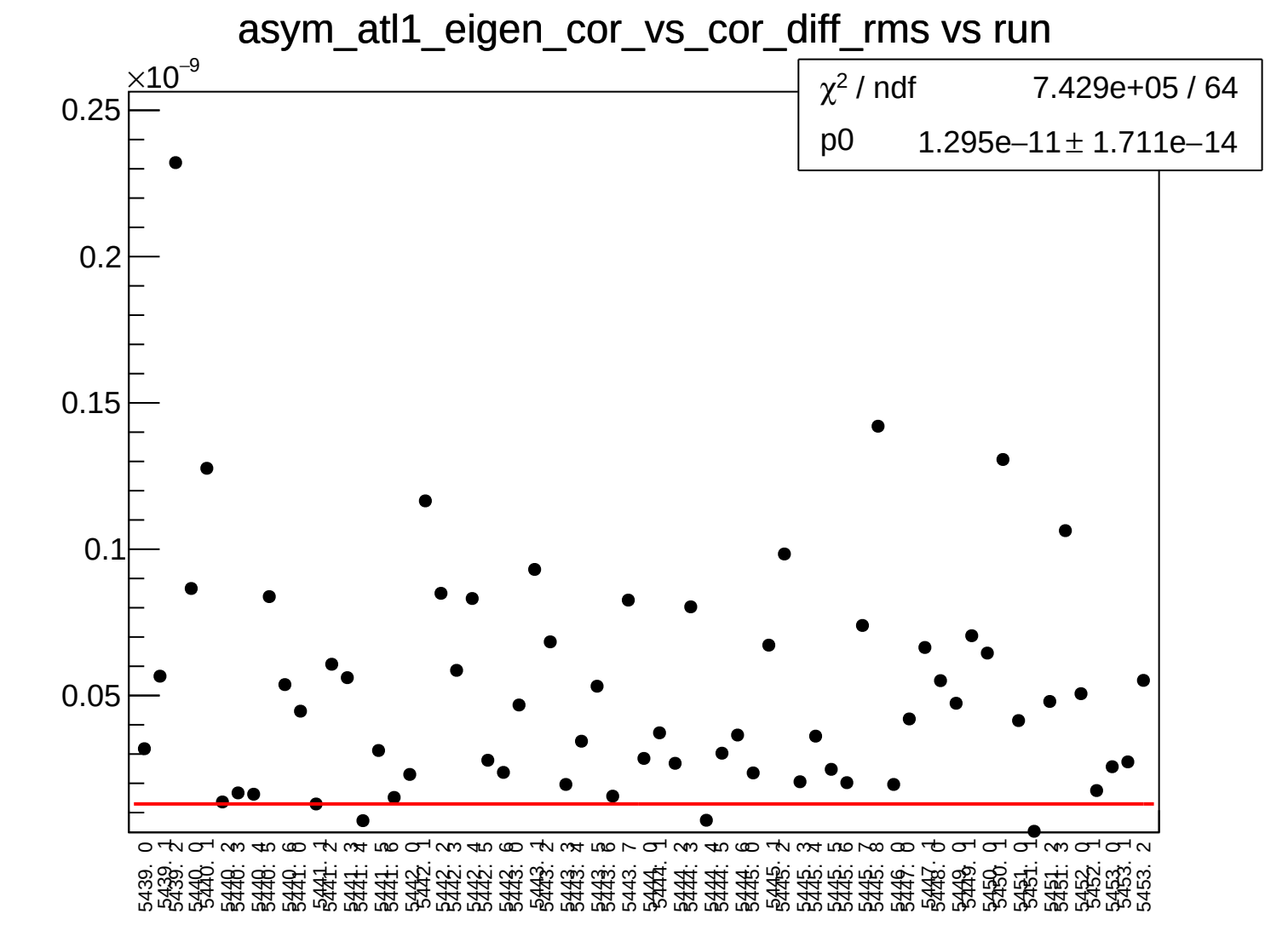

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.515e+05 / 64
p0 54.7 ± 0.05571
3500
3000
2500
2000
1500
1000
500

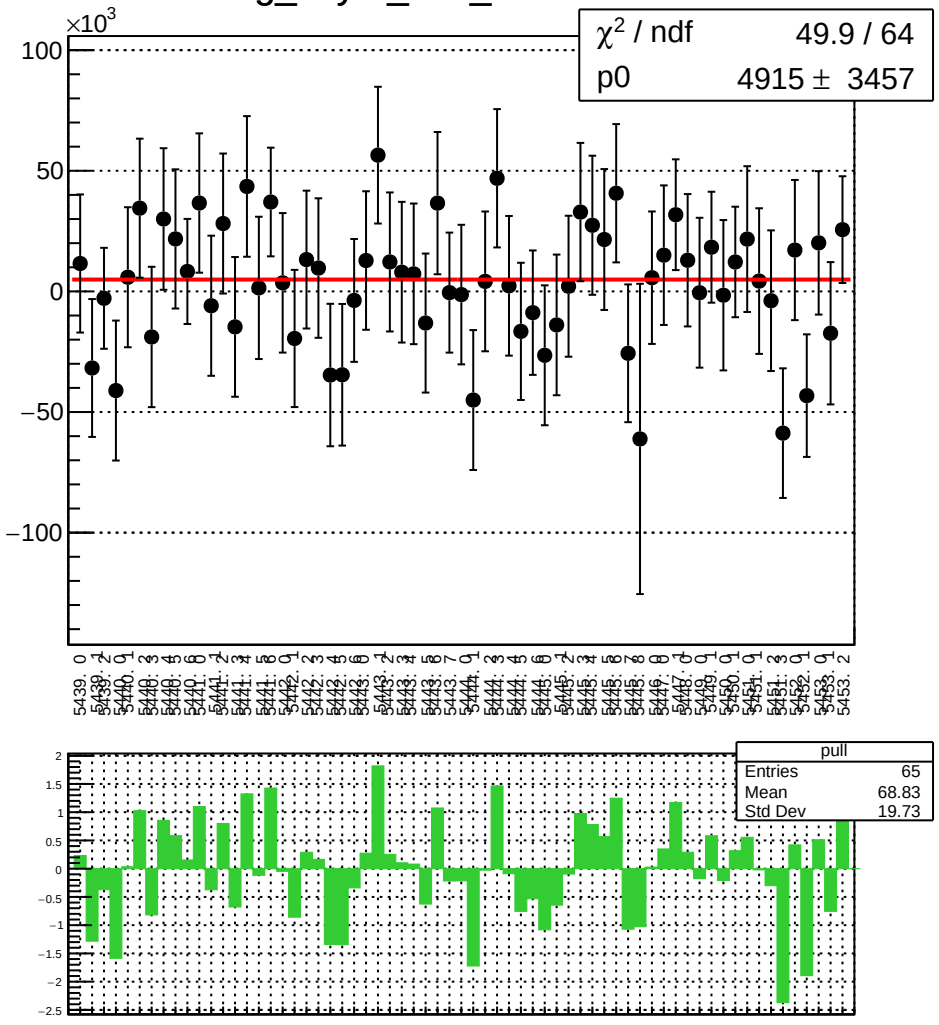

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.07 / 64
p0 0.1223 ± 0.07878
pull
Entries 65
Mean 25.09
Std Dev 17.76
pull1D
Entries 65
Mean −0.1663
Std Dev 1.139

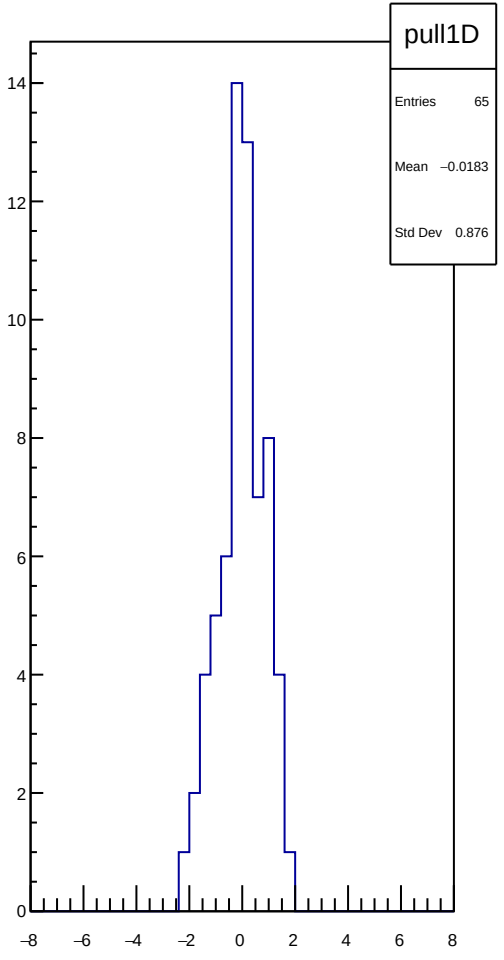

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.515e+05 / 64
p0 54.7 ± 0.05571
3500
3000
2500
2000
1500
1000
500

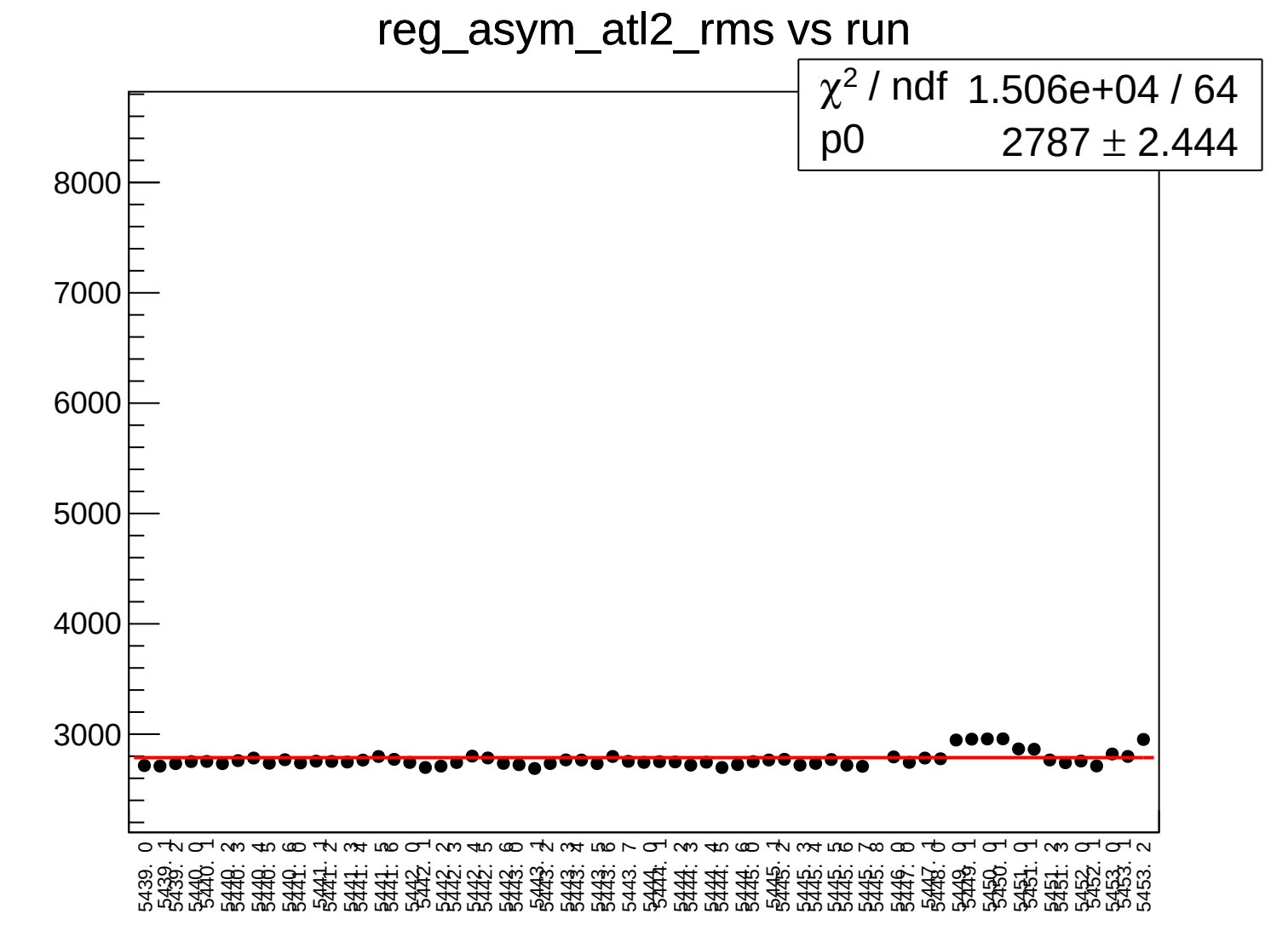

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.9 / 64
p0 −4.576e−14 ± 2.42e−14
pull
Entries 65
Mean 18.42
Std Dev 0

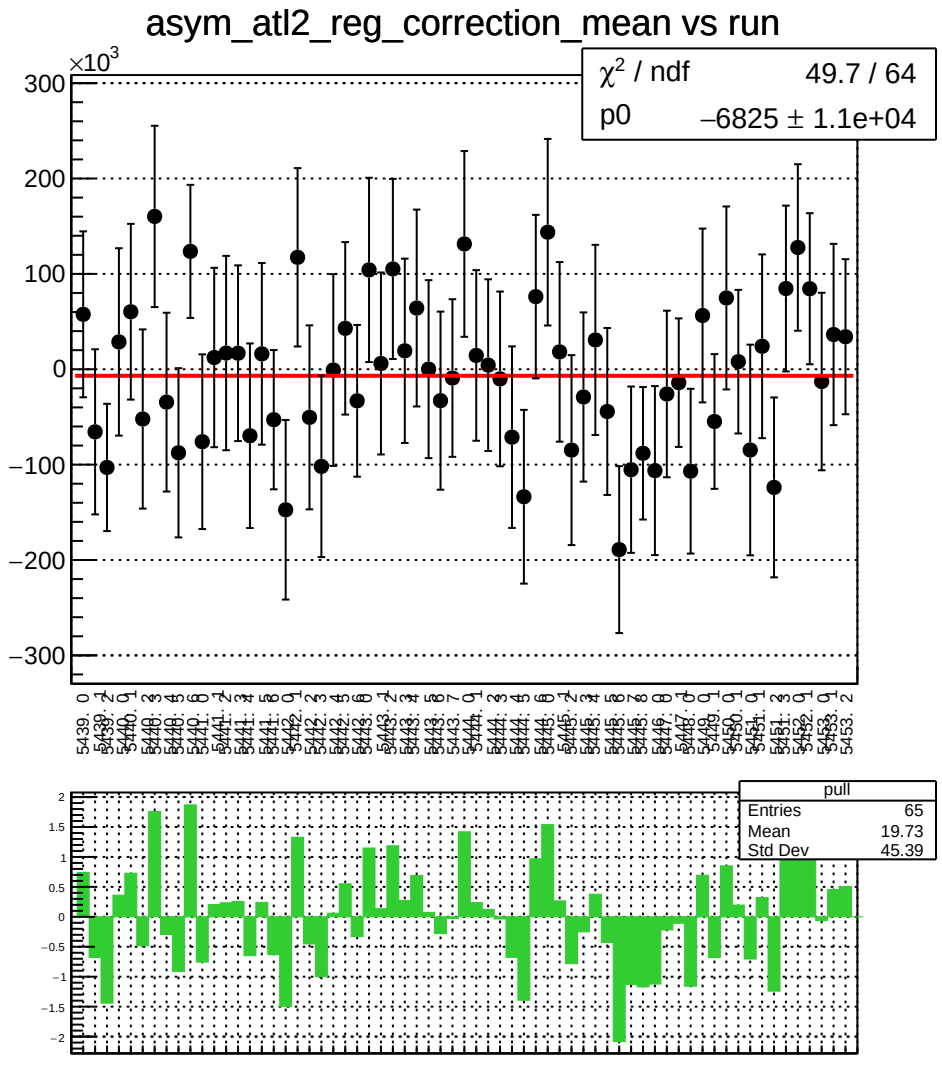

pull1D
Entries 65
Mean −0.01733
Std Dev 1.022

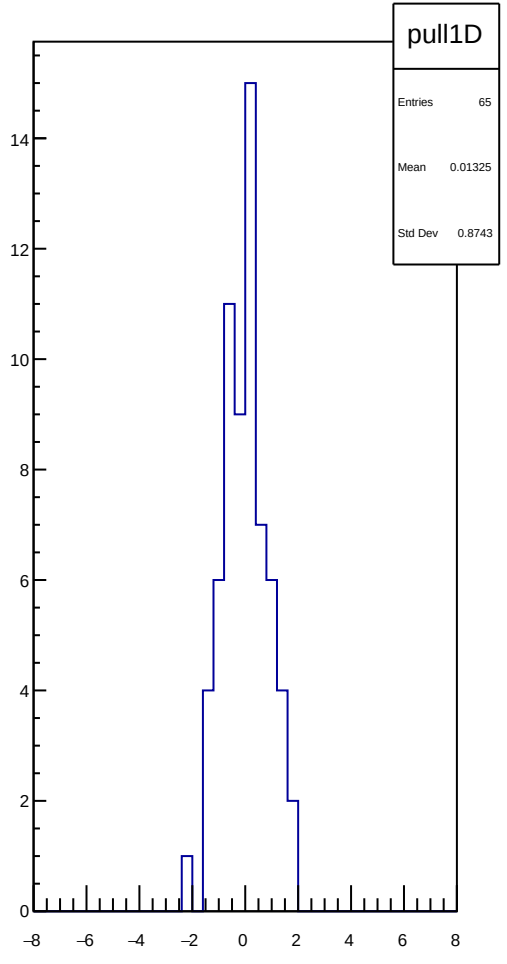

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.429e+05 / 64
p0 1.295e−11 ± 1.711e−14
0.25
0.2
0.15
0.1
0.05

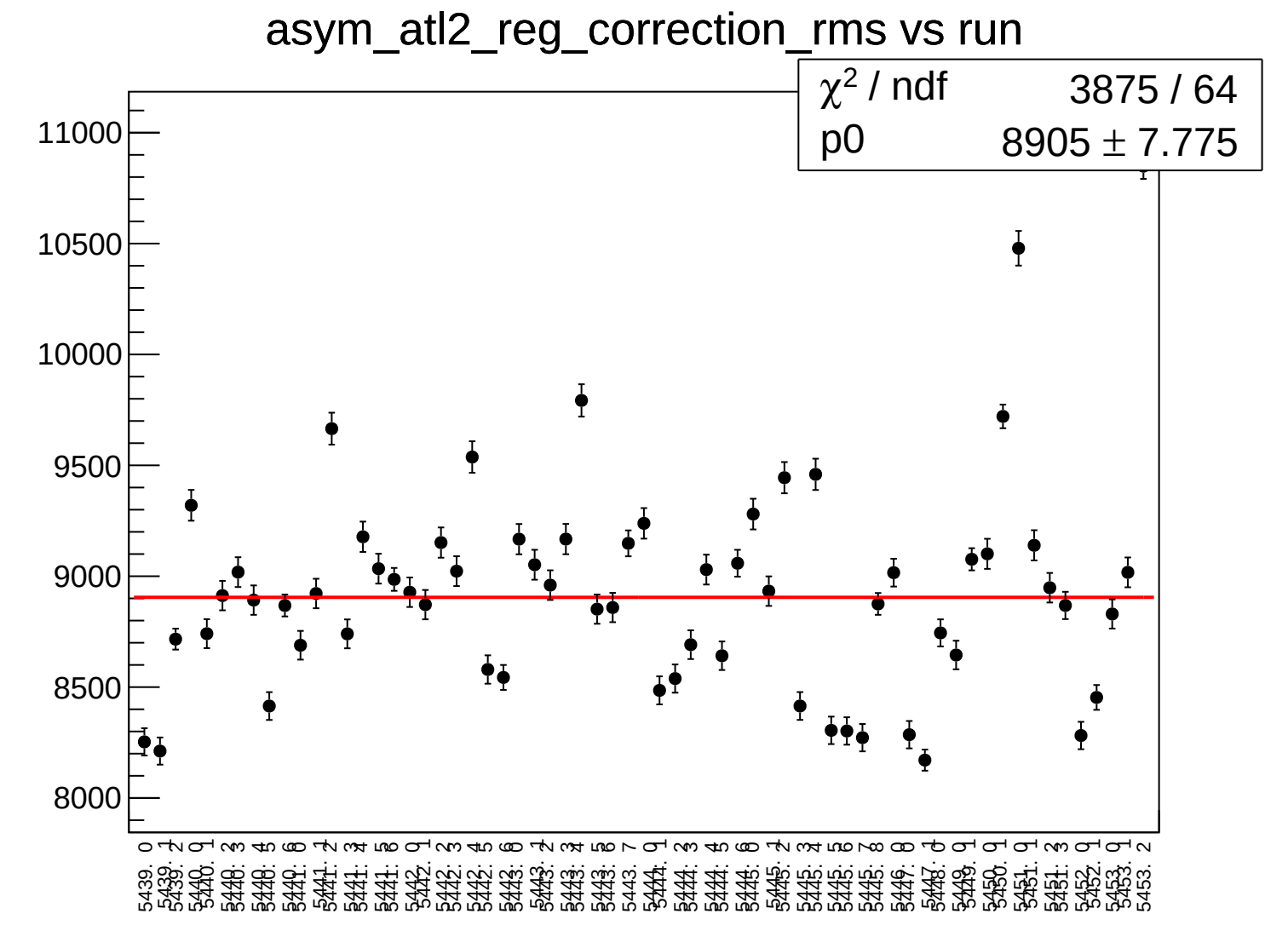

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 49.9 / 64
p0 4915 ± 3457
pull
Entries 65
Mean 68.83
Std Dev 19.73

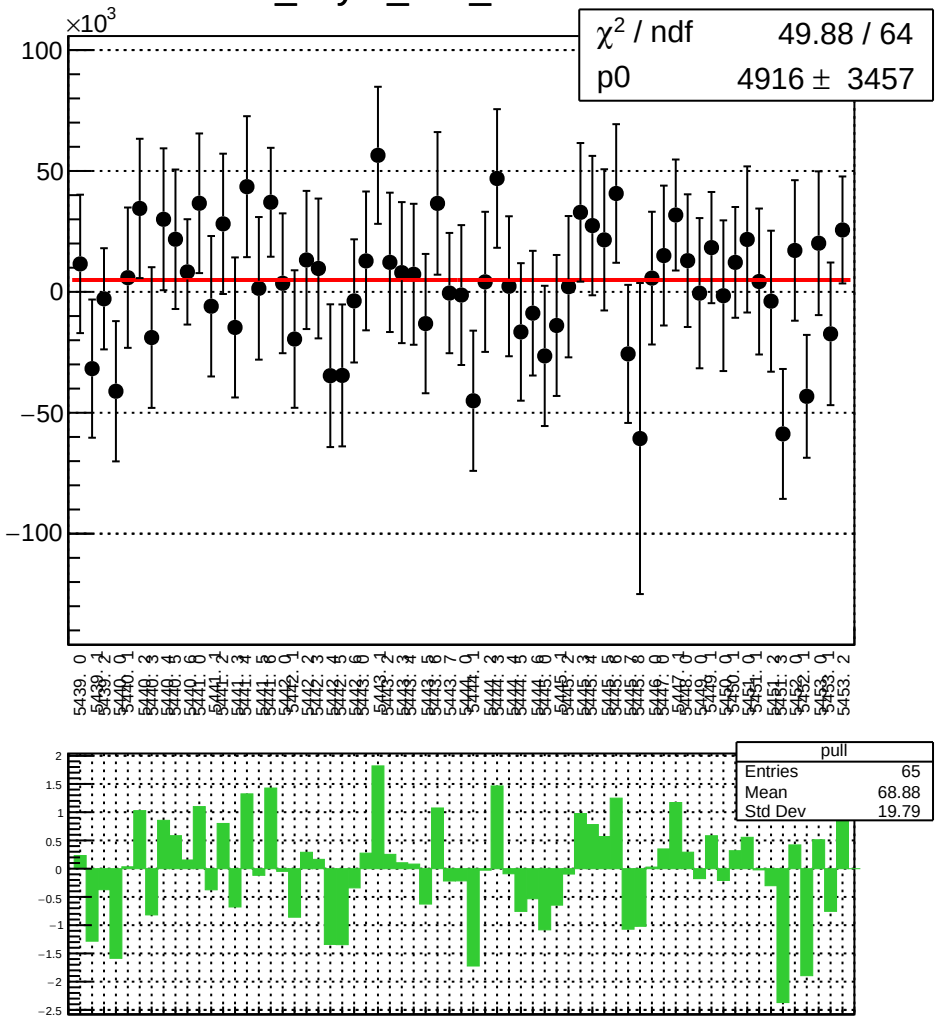

pull1D
Entries 65
Mean −0.0183
Std Dev 0.876

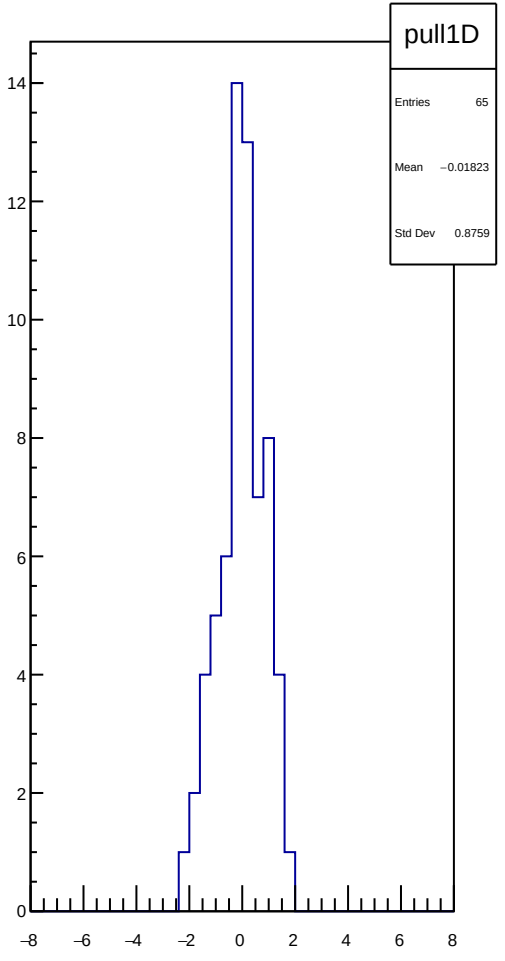

reg_asym_atl2_rms vs run
χ² / ndf 1.506e+04 / 64
p0 2787 ± 2.444
8000
7000
6000
5000
4000
3000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

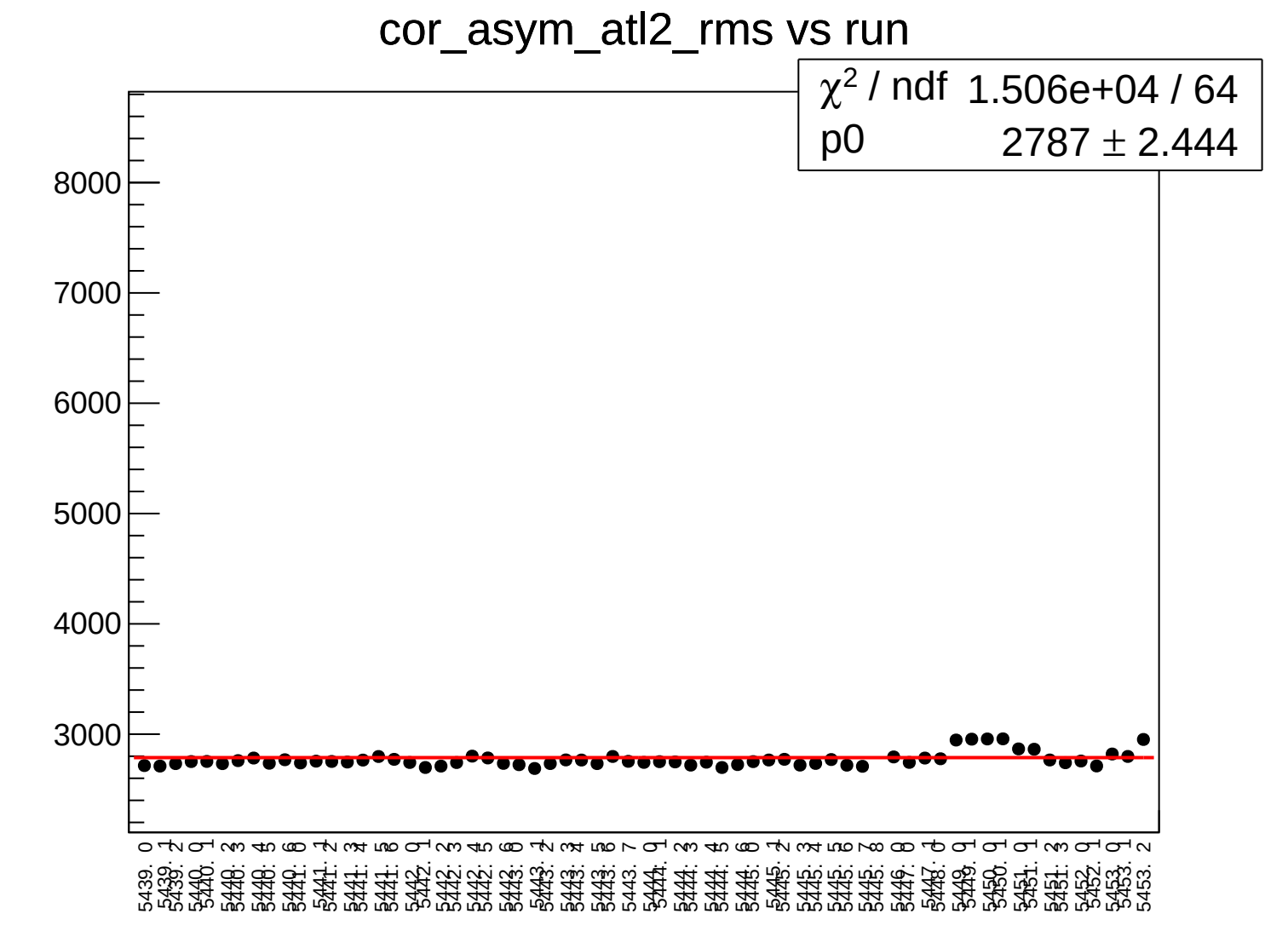

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 49.7 / 64
p0 −6825 ± 1.1e+04
pull
Entries 65
Mean 19.73
Std Dev 45.39

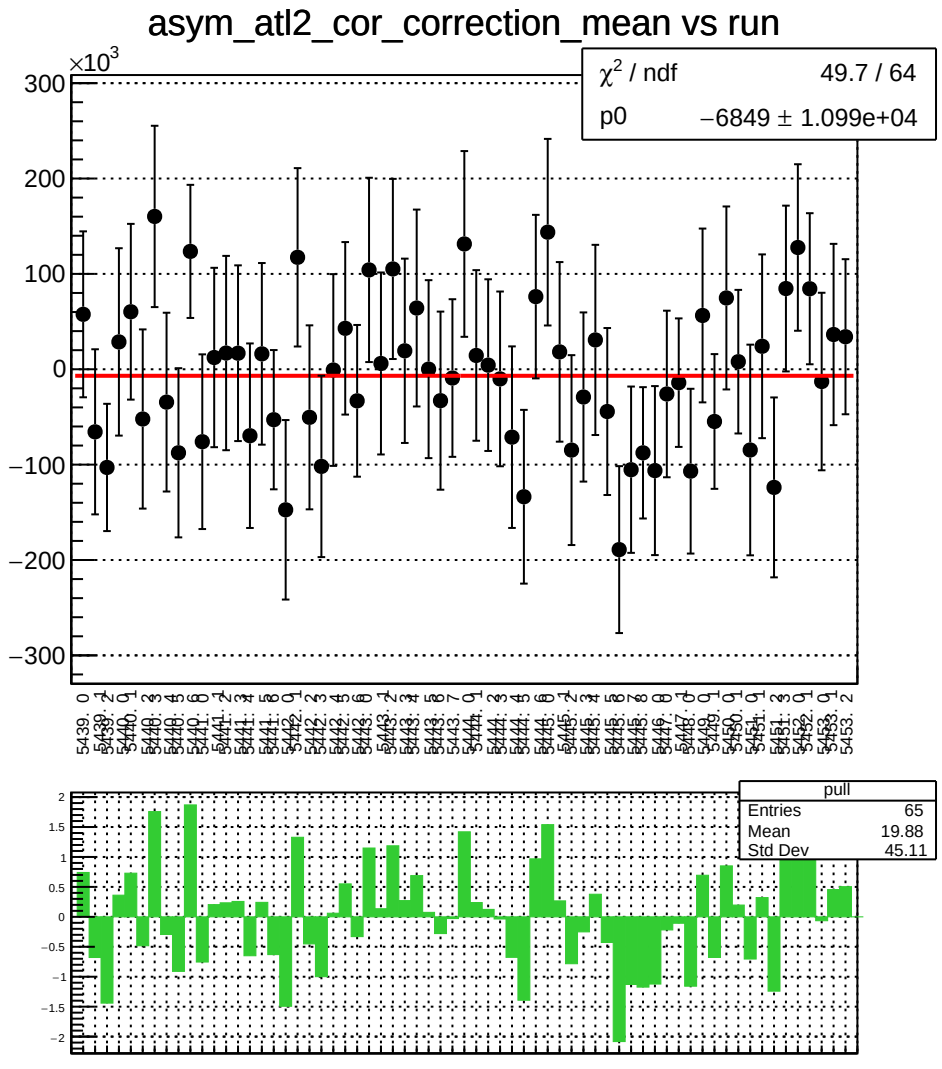

pull1D
Entries 65
Mean 0.01325
Std Dev 0.8743

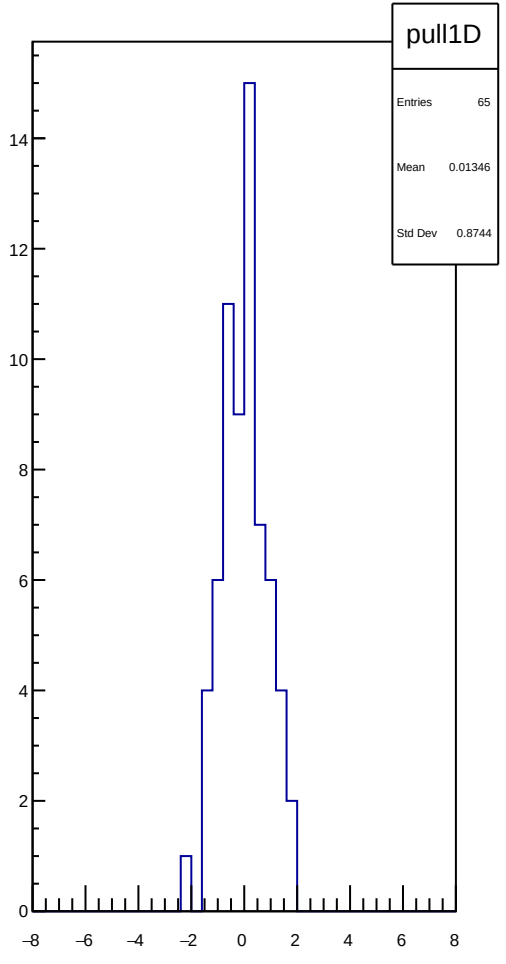

asym_atl2_reg_correction_rms vs run
χ² / ndf 3875 / 64
p0 8905 ± 7.775
11000
10500
10000
9500
9000
8500
8000

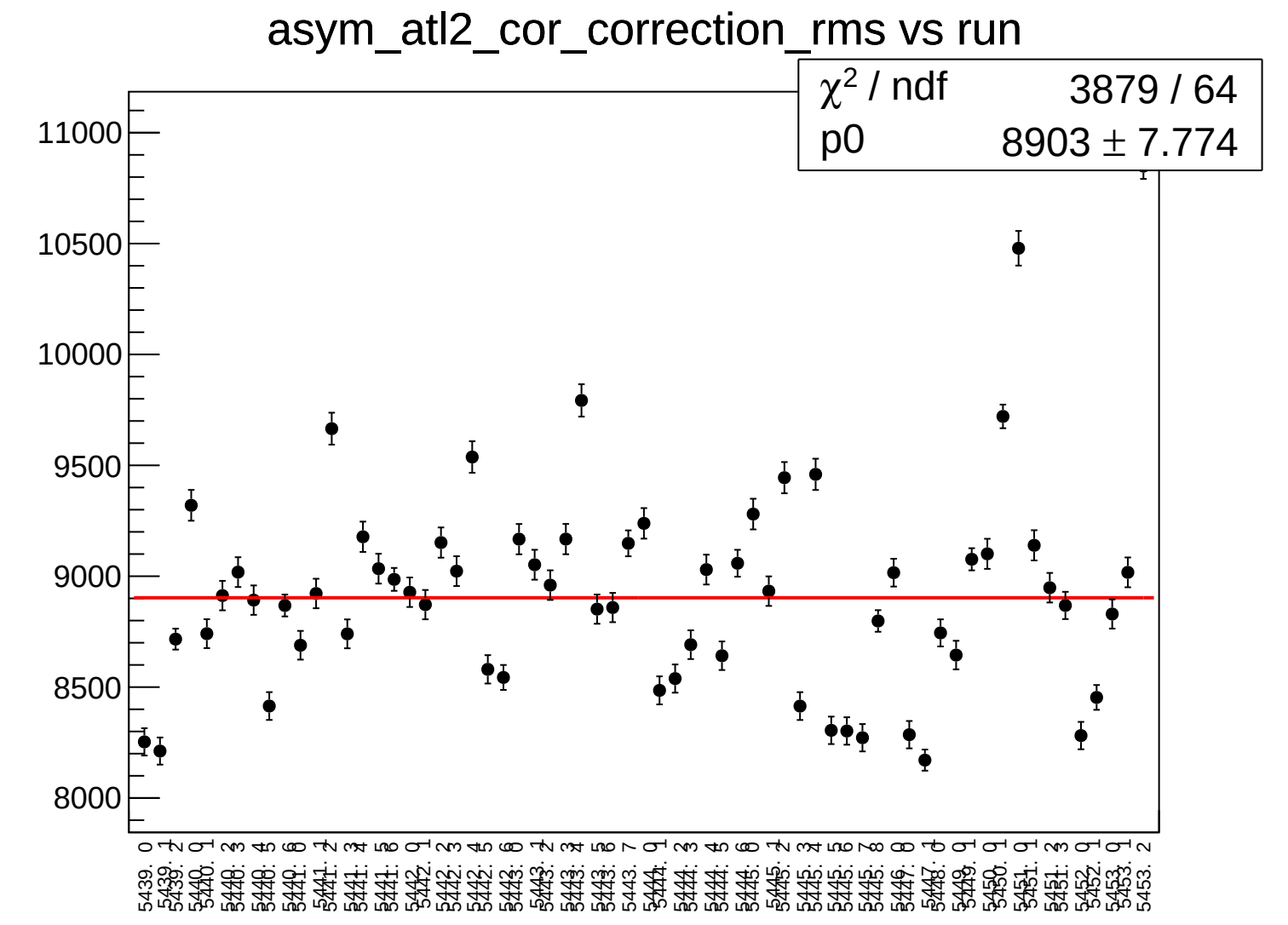

cor_asym_atl2_mean vs run
×10^3
χ² / ndf 49.88 / 64
p0 4916 ± 3457
pull
Entries 65
Mean 68.88
Std Dev 19.79

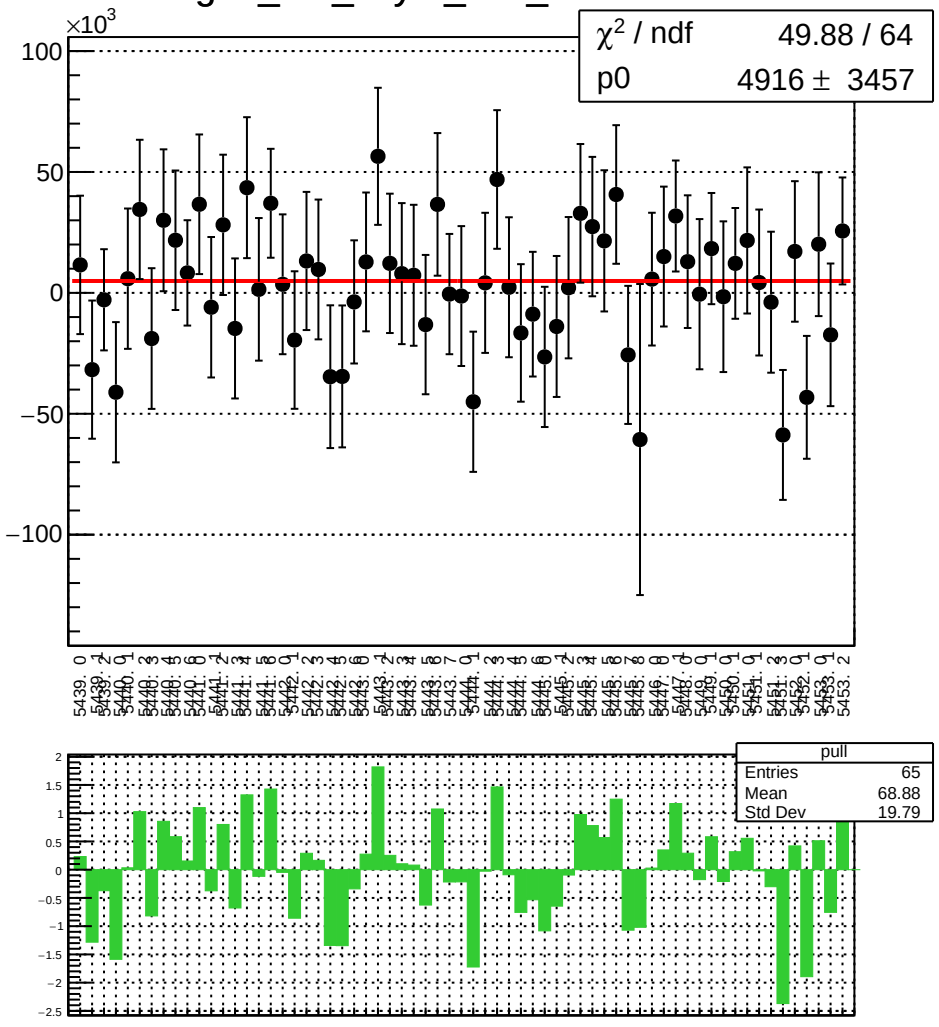

pull1D
Entries 65
Mean −0.01823
Std Dev 0.8759

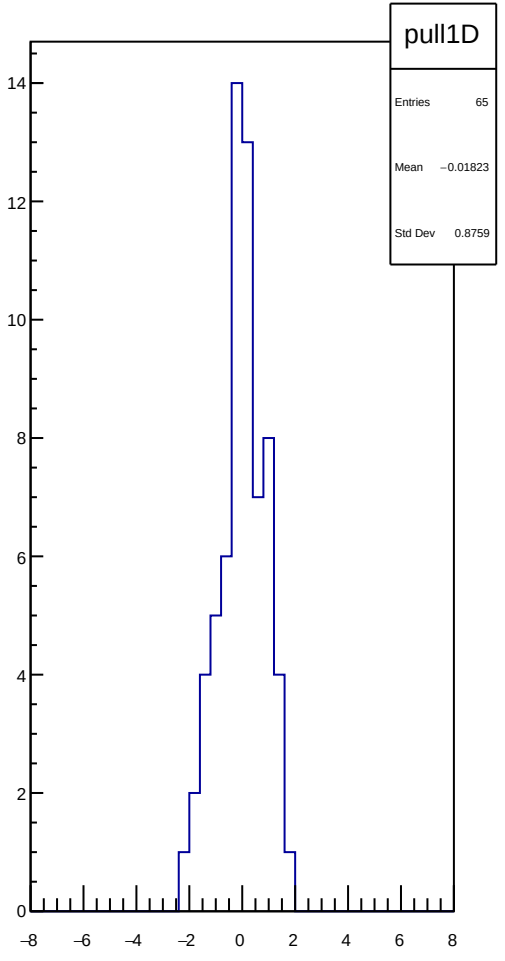

cor_asym_atl2_rms vs run
χ² / ndf 1.506e+04 / 64
p0 2787 ± 2.444
8000
7000
6000
5000
4000
3000

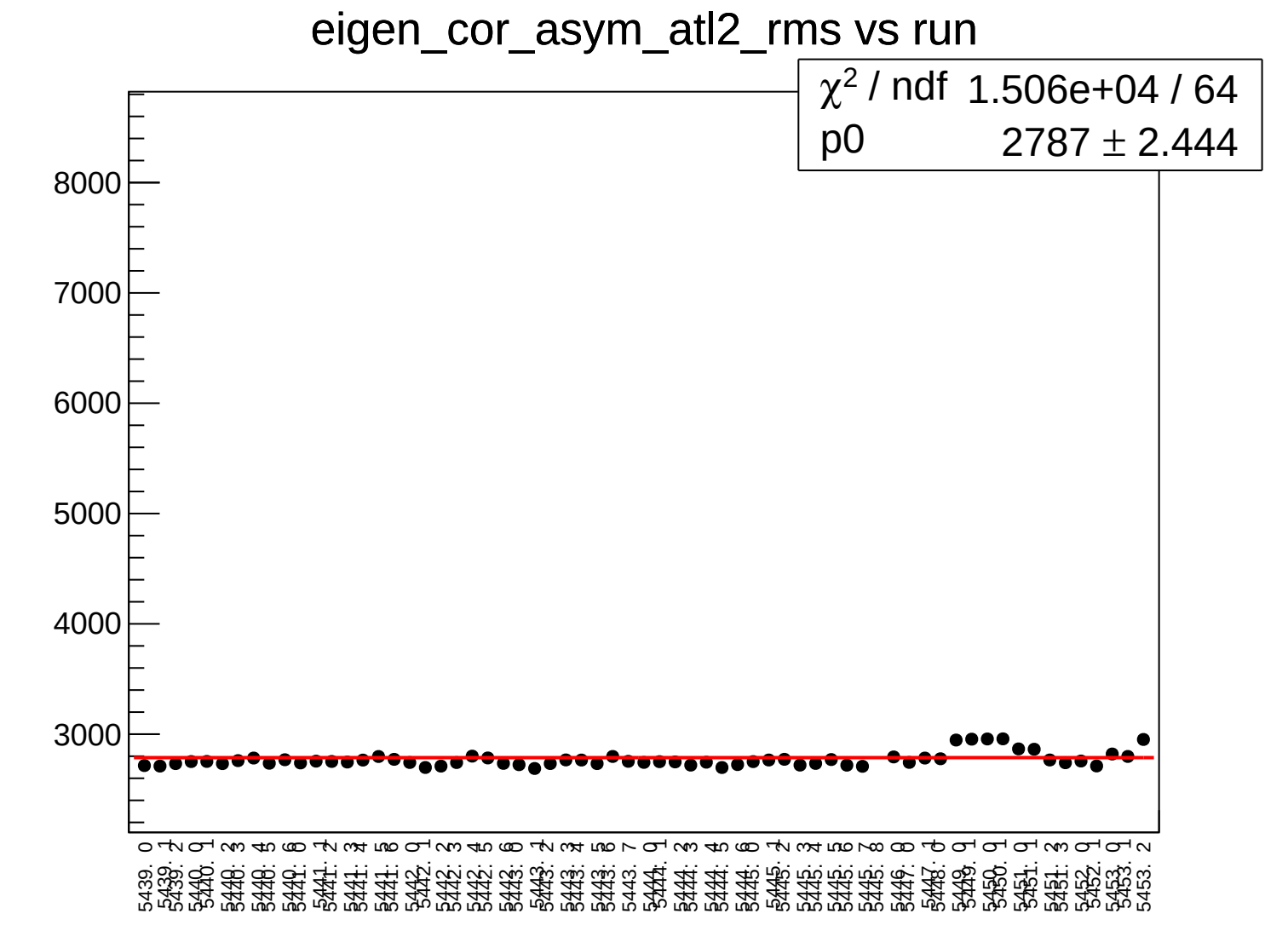

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 49.7 / 64
p0 −6849 ± 1.099e+04
pull
Entries 65
Mean 19.88
Std Dev 45.11

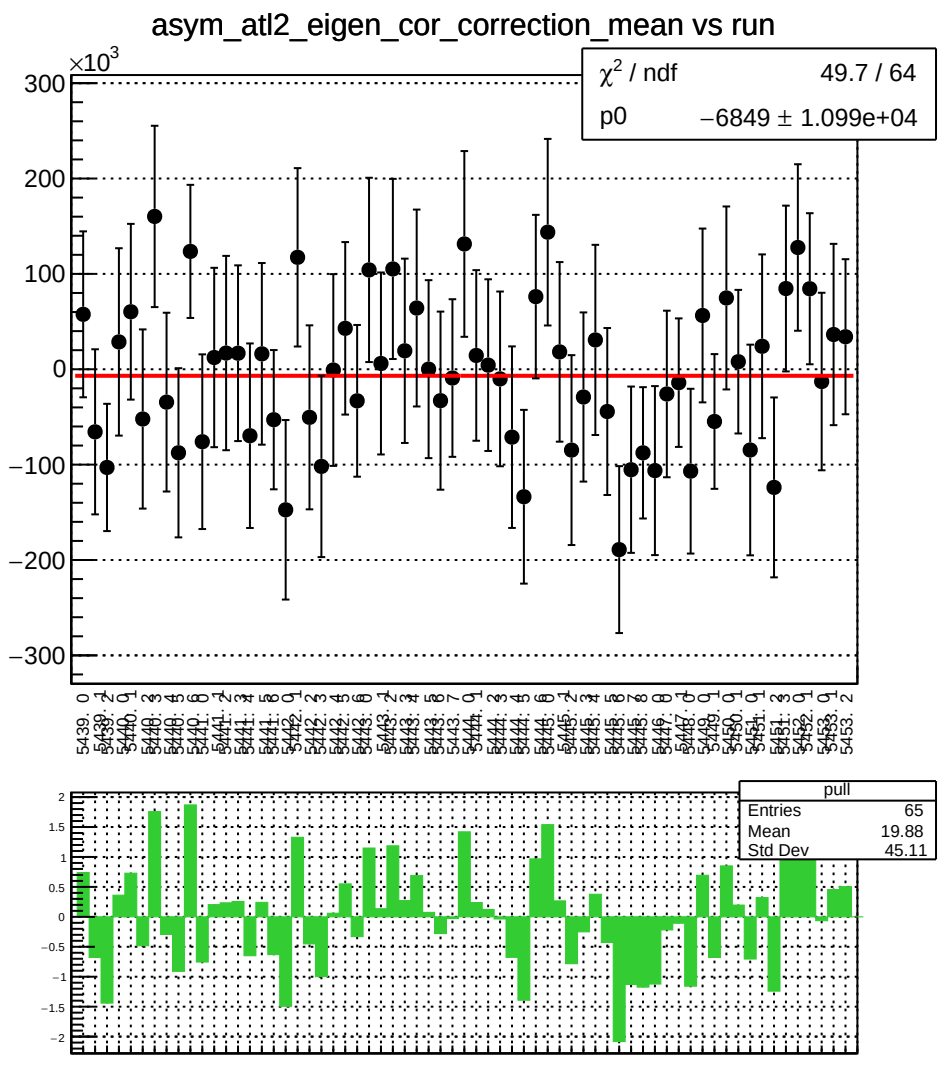

pull1D
Entries 65
Mean 0.01346
Std Dev 0.8744

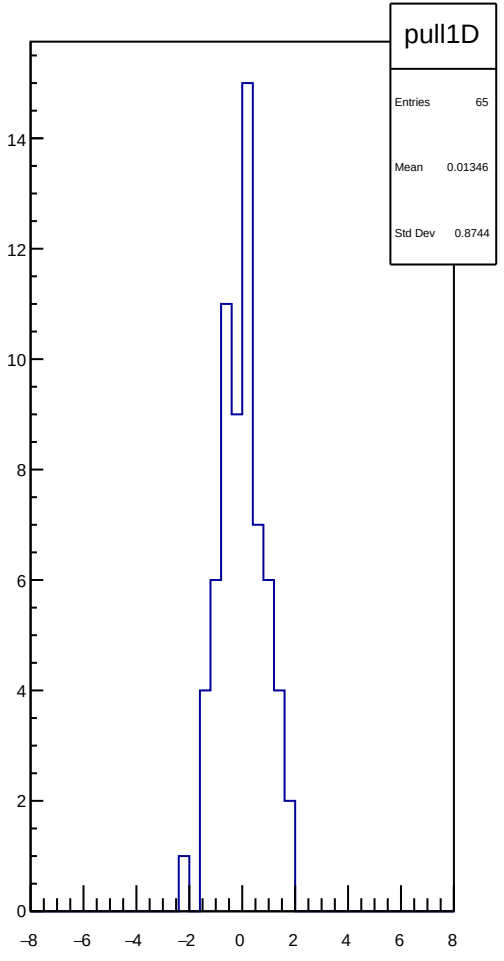

asym_atl2_cor_correction_rms vs run
χ² / ndf 3879 / 64
p0 8903 ± 7.774
11000
10500
10000
9500
9000
8500
8000

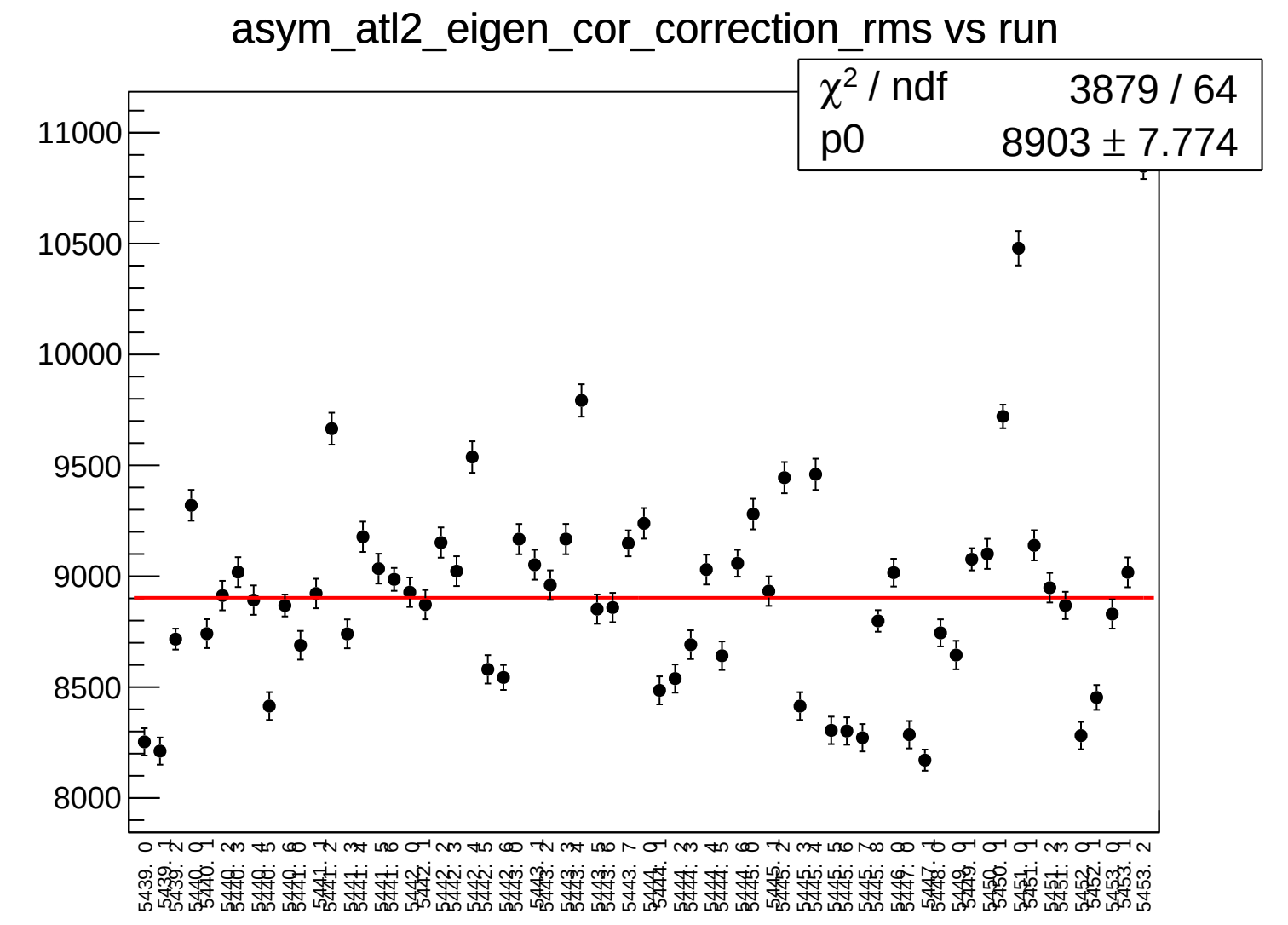

eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 49.88 / 64
p0 4916 ± 3457
pull
Entries 65
Mean 68.88
Std Dev 19.79

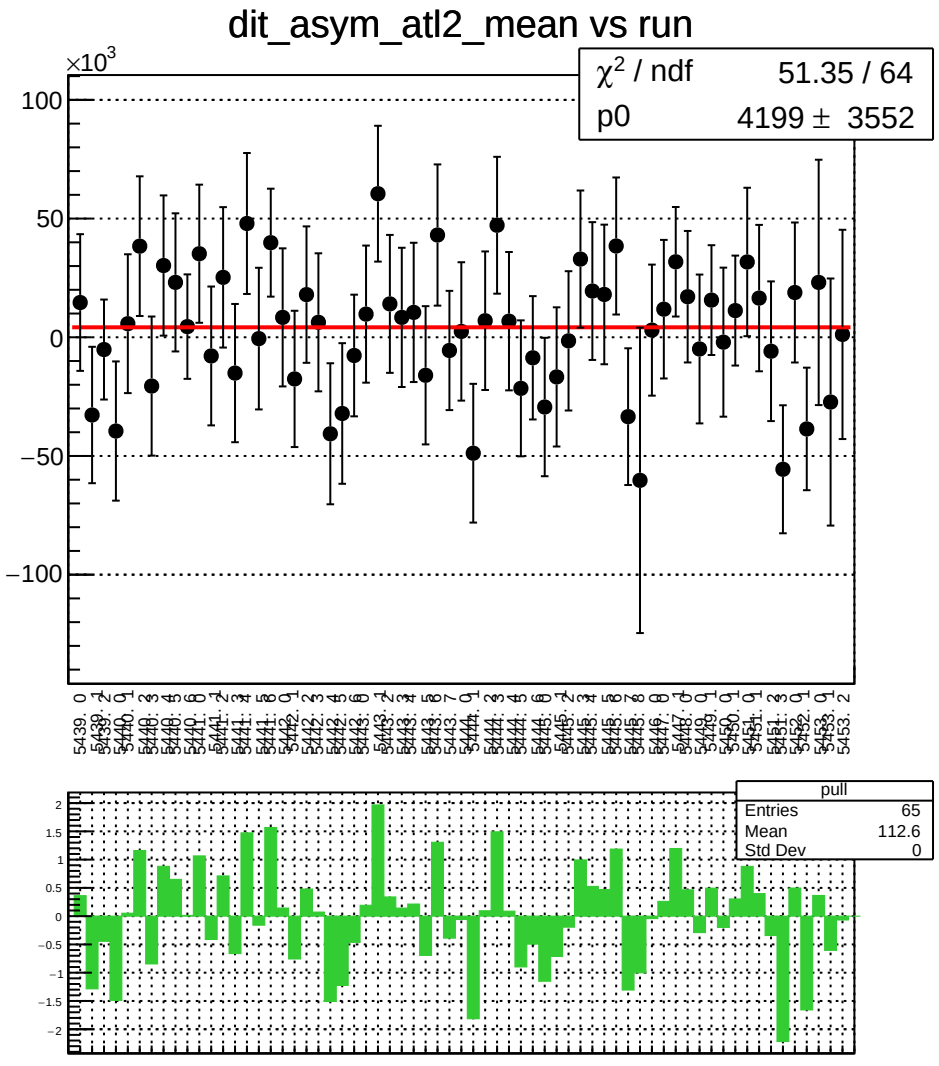

pull1D
Entries 65
Mean −0.01823
Std Dev 0.8759

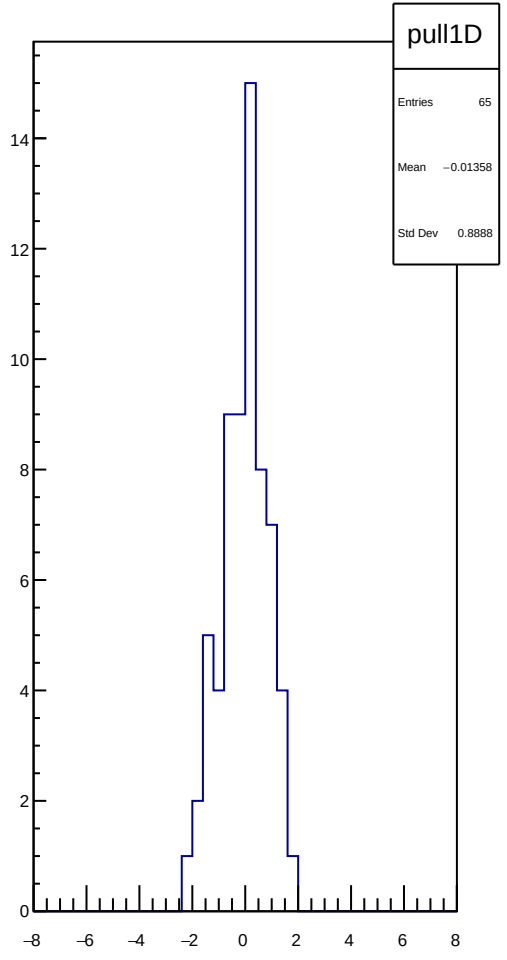

eigen_cor_asym_atl2_rms vs run
χ² / ndf 1.506e+04 / 64
p0 2787 ± 2.444
8000
7000
6000
5000
4000
3000

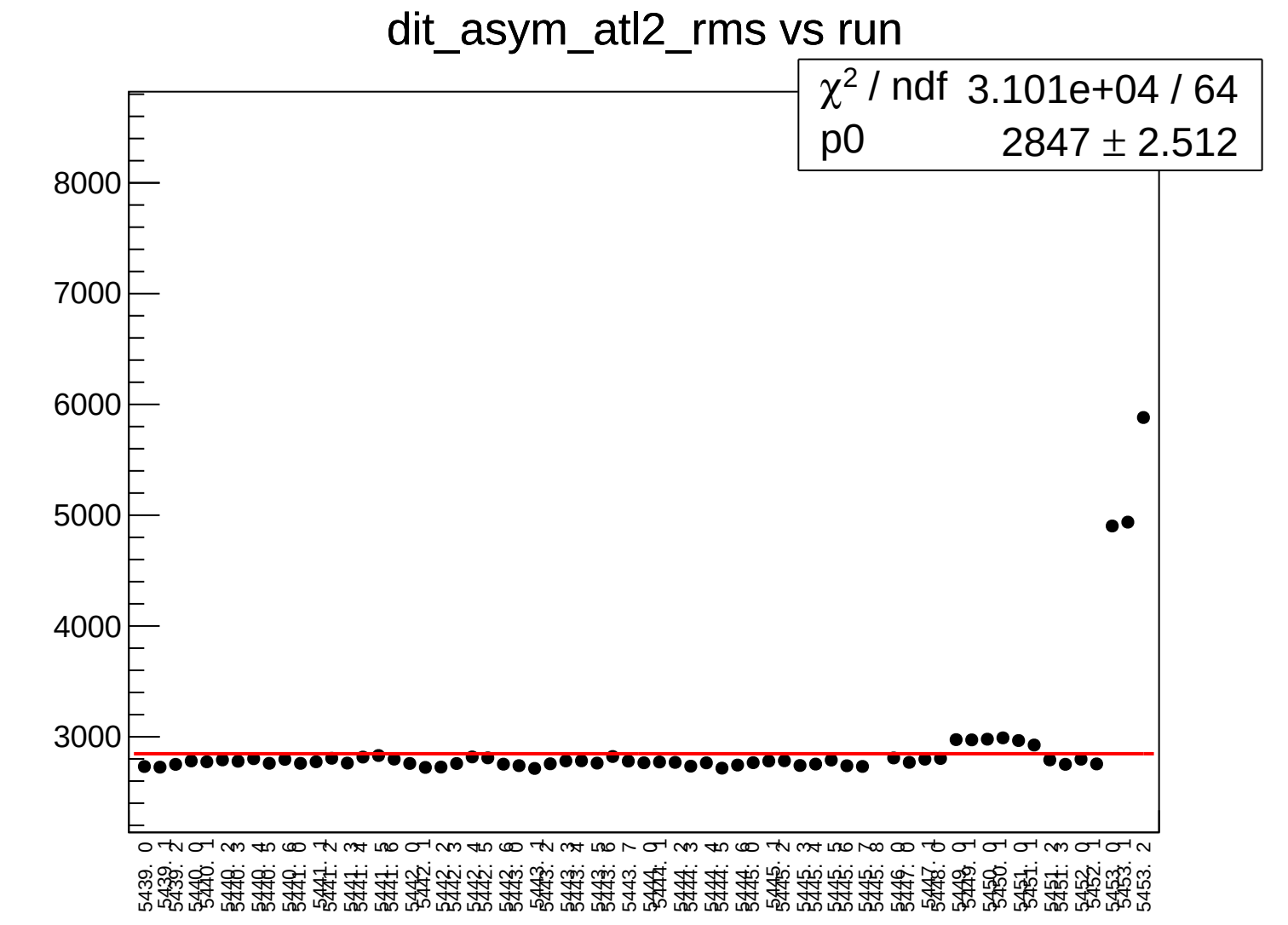

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.7 / 64
p0 −6849 ± 1.099e+04
pull
Entries 65
Mean 19.88
Std Dev 45.11

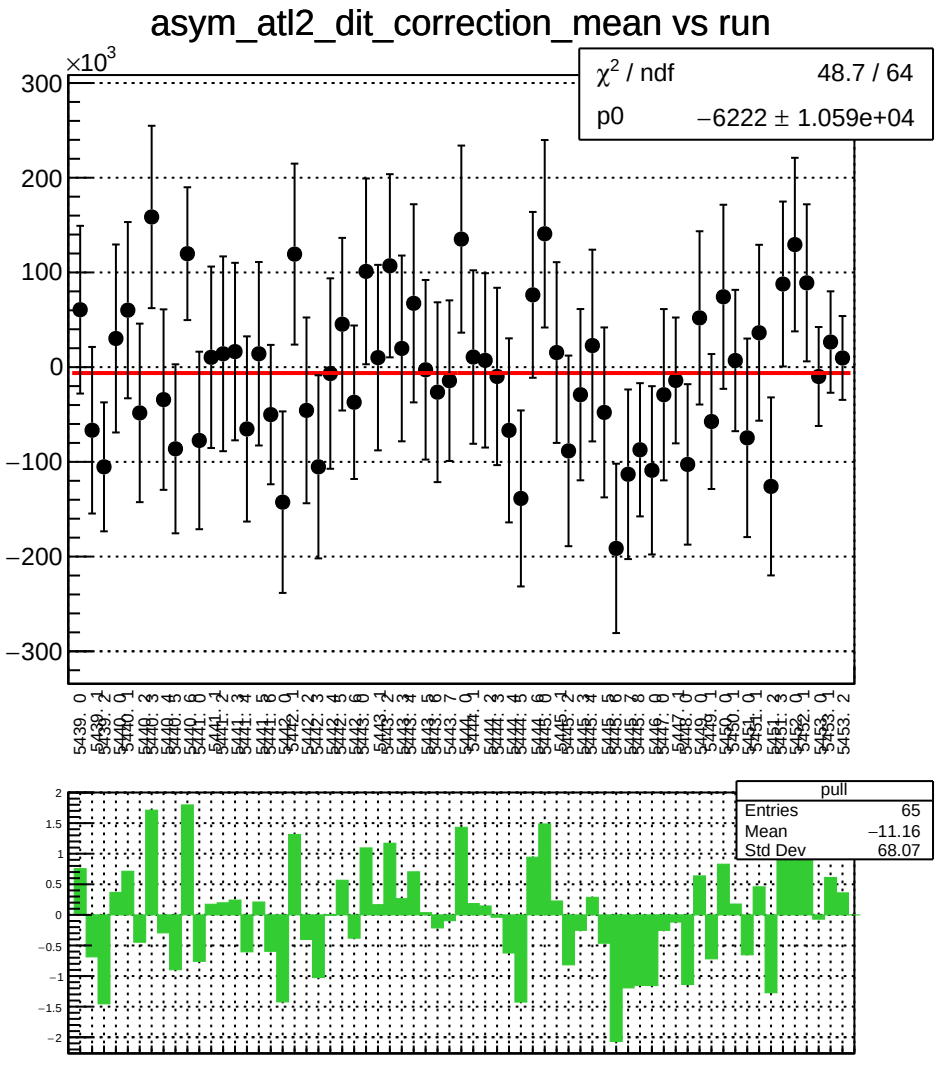

pull1D
Entries 65
Mean 0.01346
Std Dev 0.8744

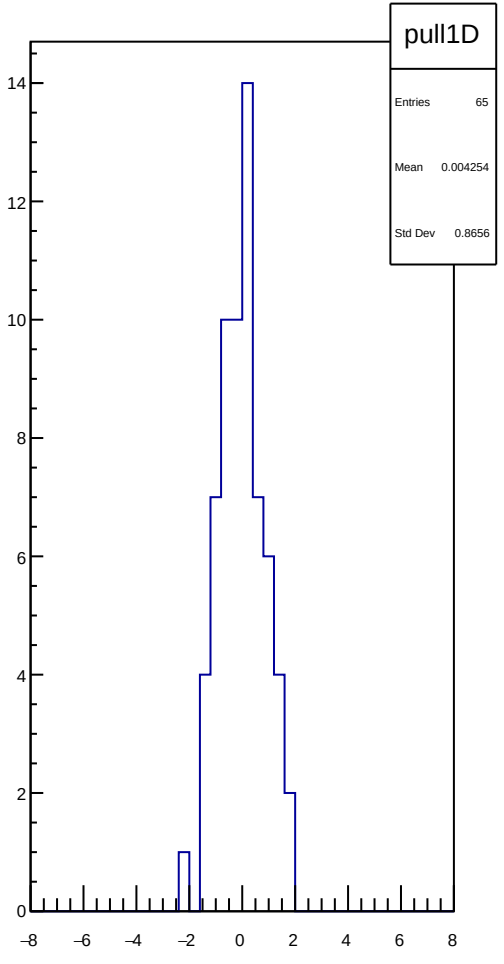

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 3879 / 64
p0 8903 ± 7.774
11000
10500
10000
9500
9000
8500
8000

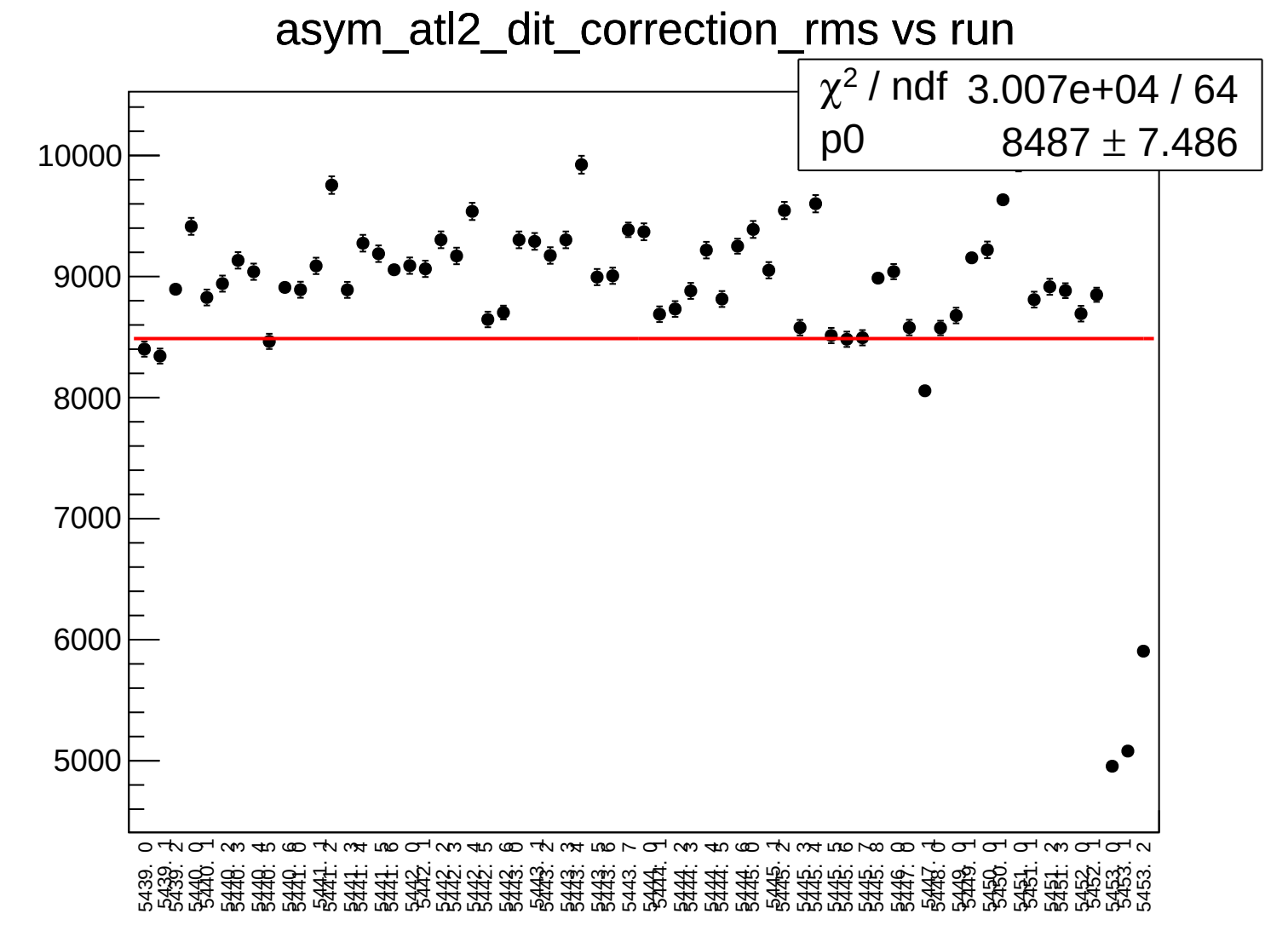

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 51.35 / 64
p0 4199 ± 3552
100
50
0
−50
−100
pull
Entries 65
Mean 112.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

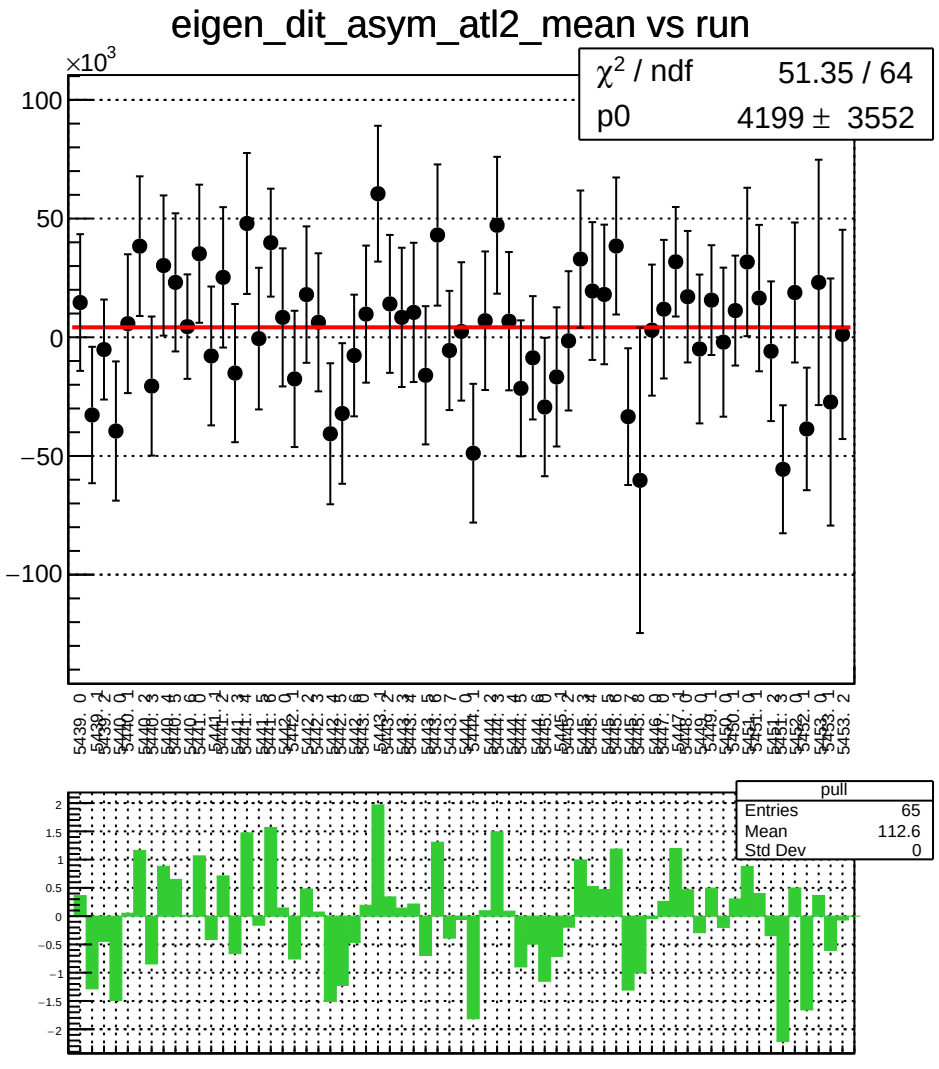

pull1D
Entries 65
Mean −0.01358
Std Dev 0.8888
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

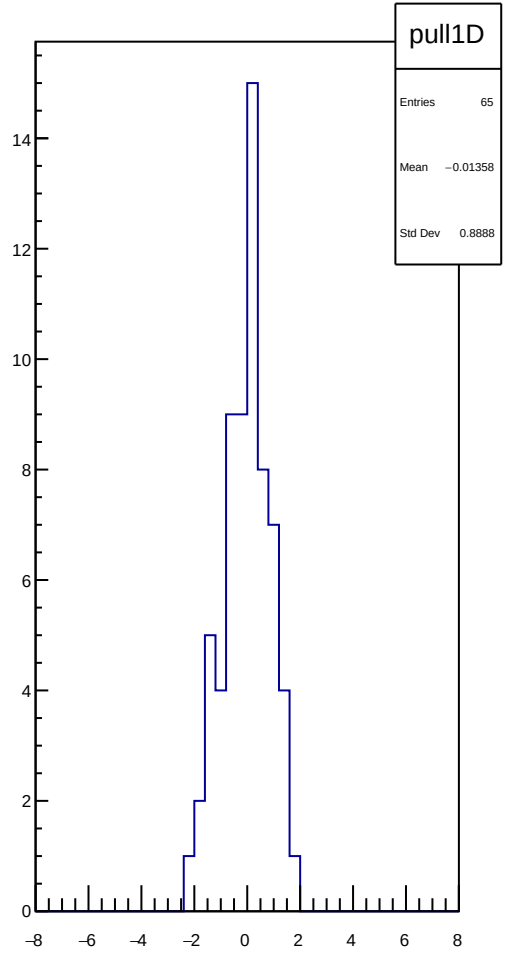

dit_asym_atl2_rms vs run
χ² / ndf 3.101e+04 / 64
p0 2847 ± 2.512
8000
7000
6000
5000
4000
3000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

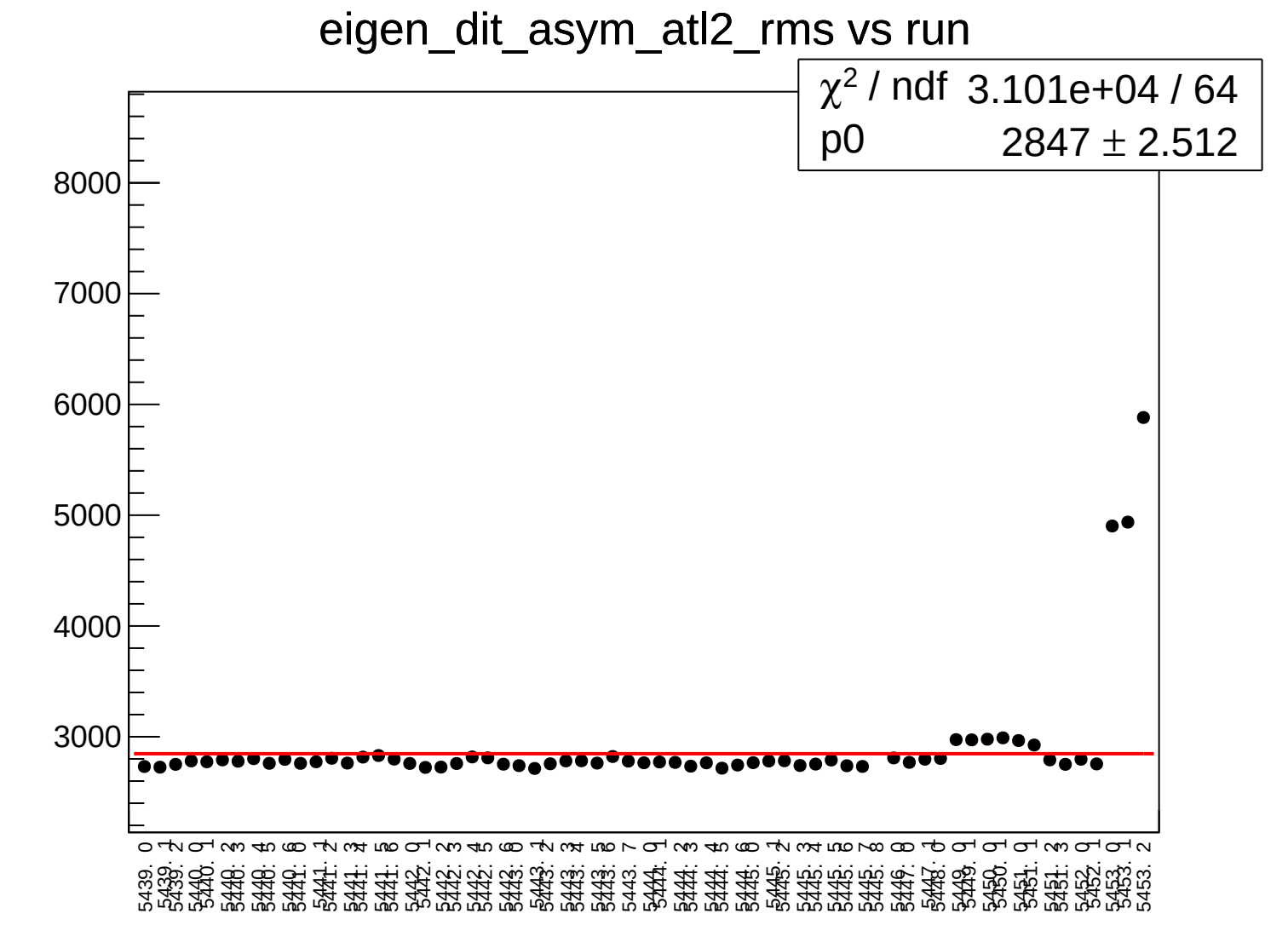

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 48.7 / 64
p0 −6222 ± 1.059e+04
pull
Entries 65
Mean −11.16
Std Dev 68.07

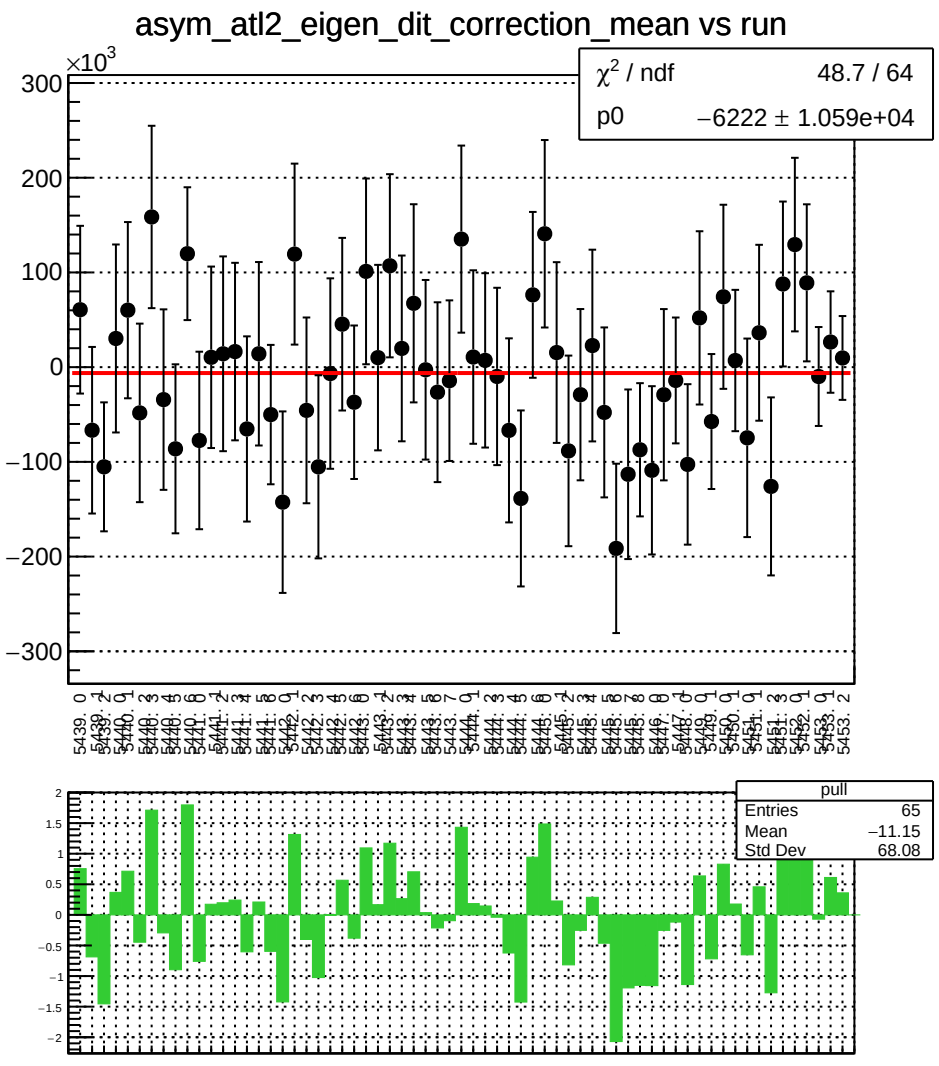

pull1D
Entries 65
Mean 0.004254
Std Dev 0.8656

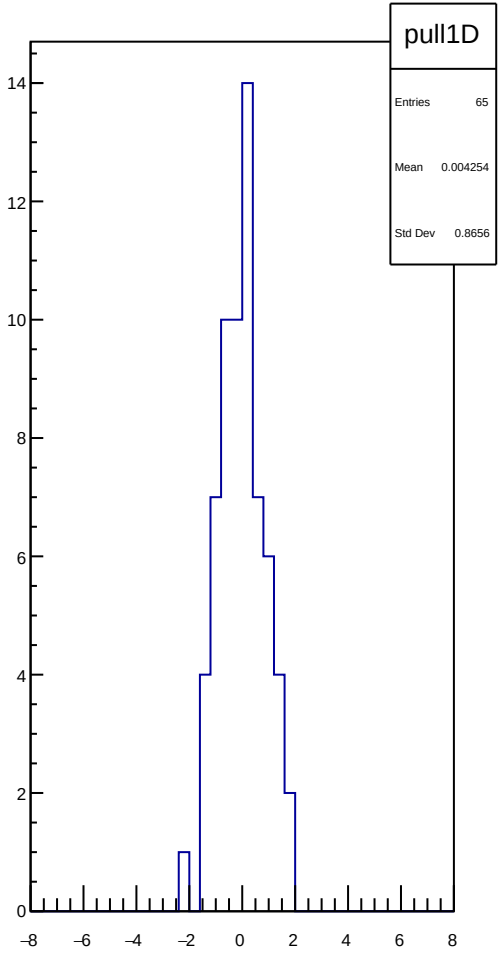

asym_atl2_dit_correction_rms vs run
χ² / ndf 3.007e+04 / 64
p0 8487 ± 7.486
10000
9000
8000
7000
6000
5000

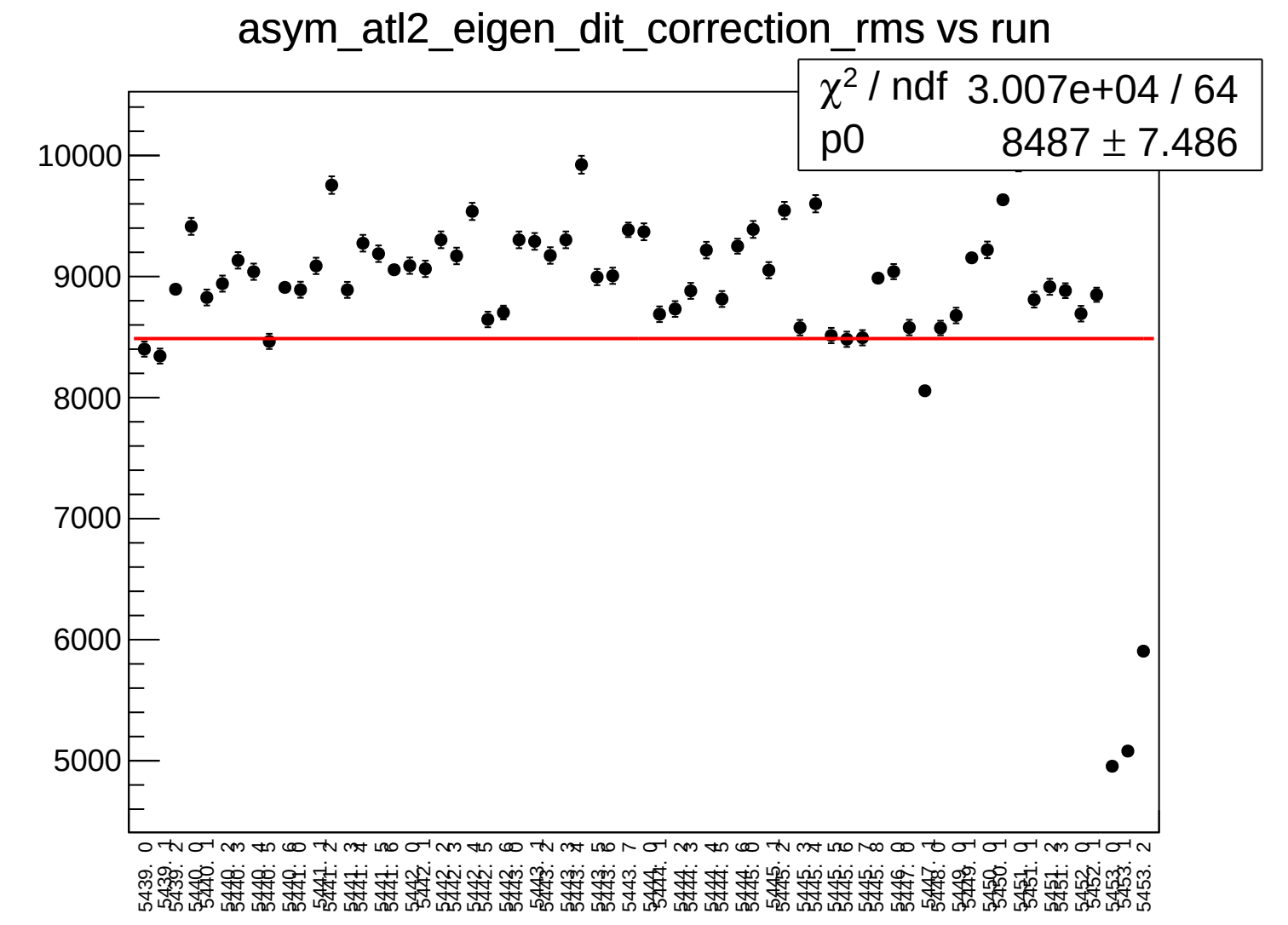

eigen_dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 51.35 / 64
p0 4199 ± 3552
100
50
0
−50
−100
pull
Entries 65
Mean 112.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

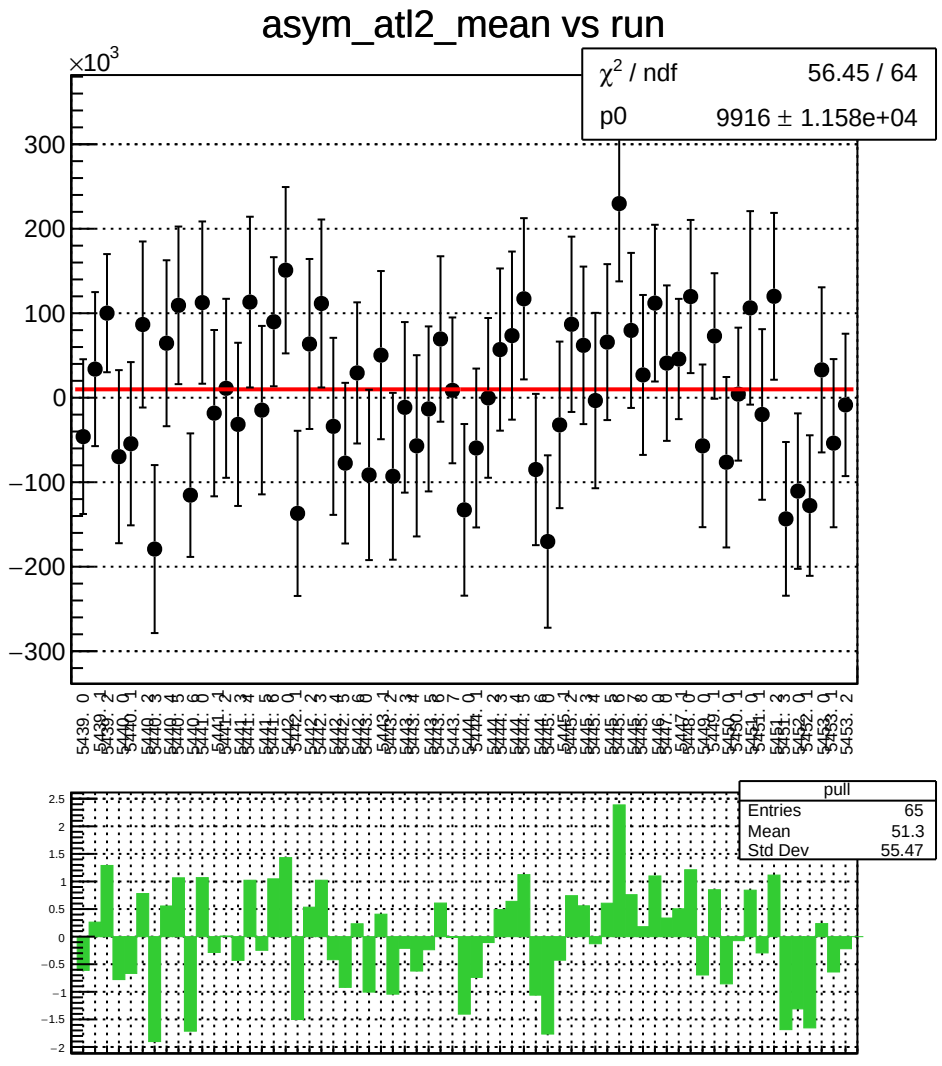

pull1D
Entries 65
Mean −0.01358
Std Dev 0.8888
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

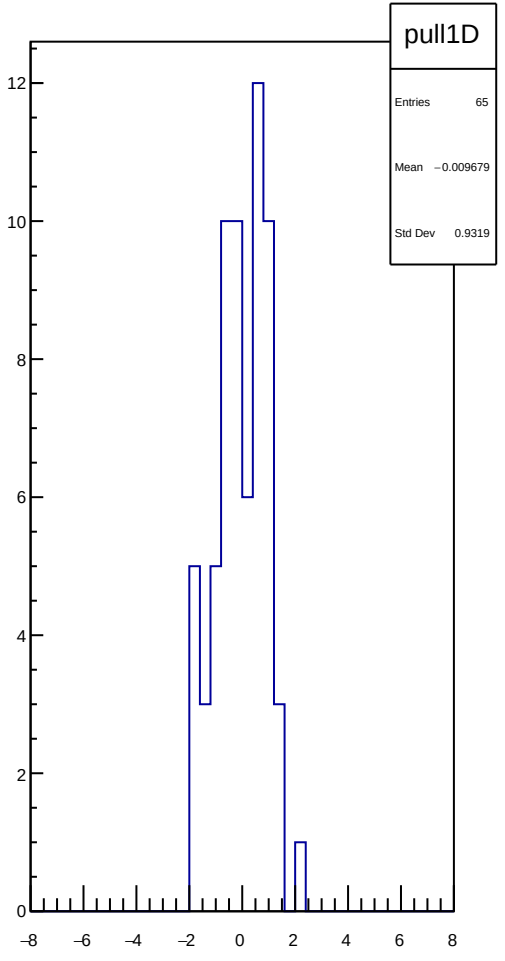

eigen_dit_asym_atl2_rms vs run
χ² / ndf 3.101e+04 / 64
p0 2847 ± 2.512
8000
7000
6000
5000
4000
3000

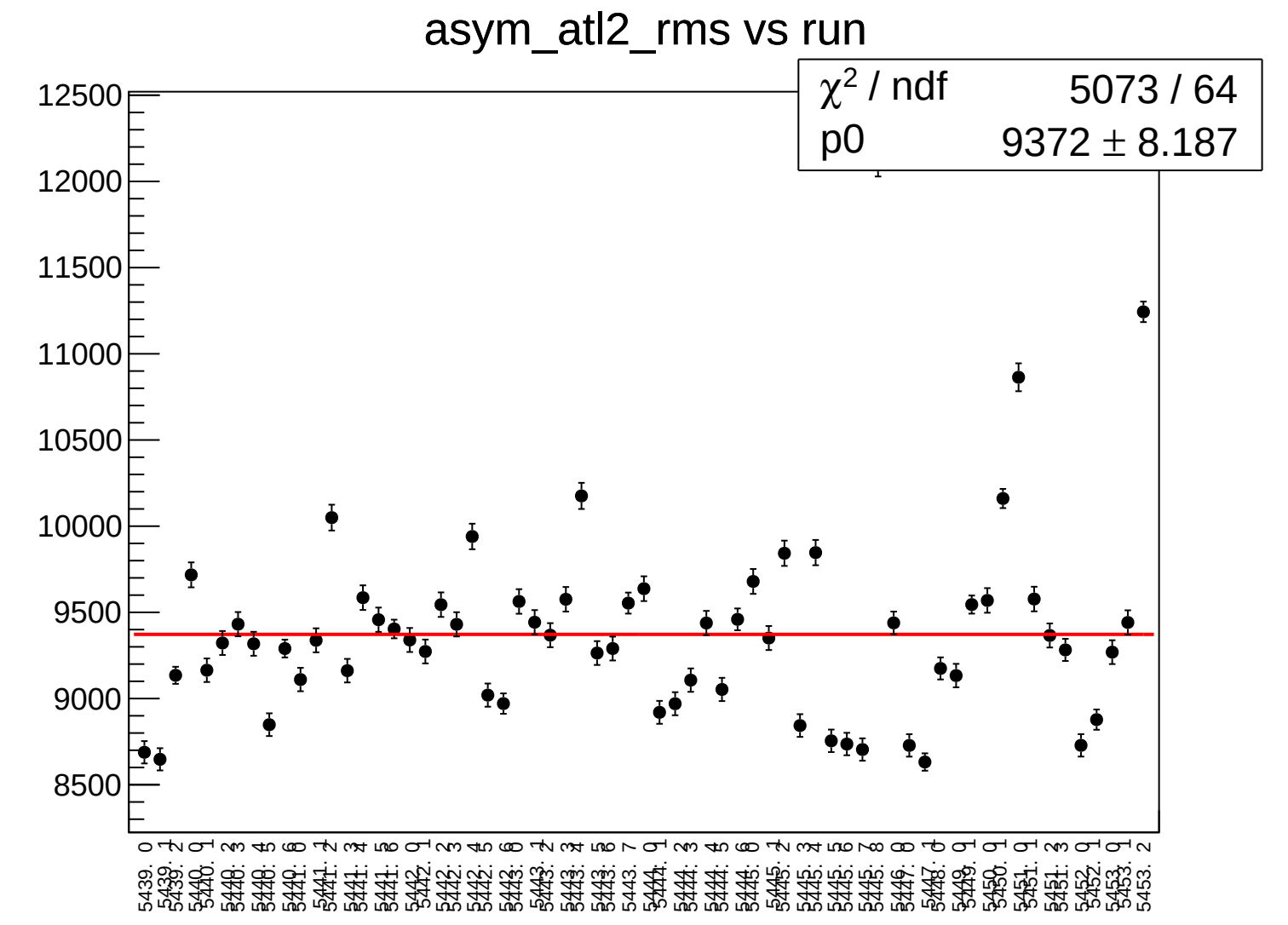

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 48.7 / 64
p0 −6222 ± 1.059e+04
pull
Entries 65
Mean −11.15
Std Dev 68.08

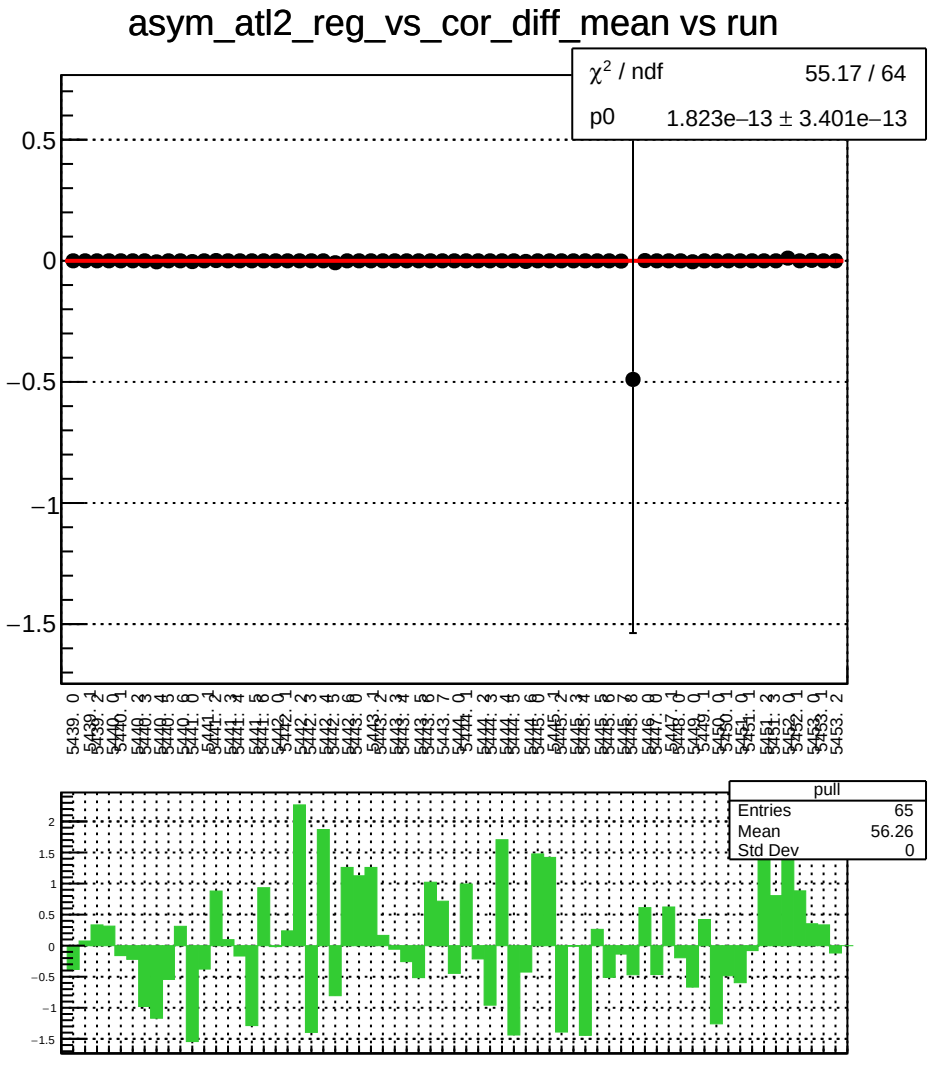

pull1D
Entries 65
Mean 0.004254
Std Dev 0.8656

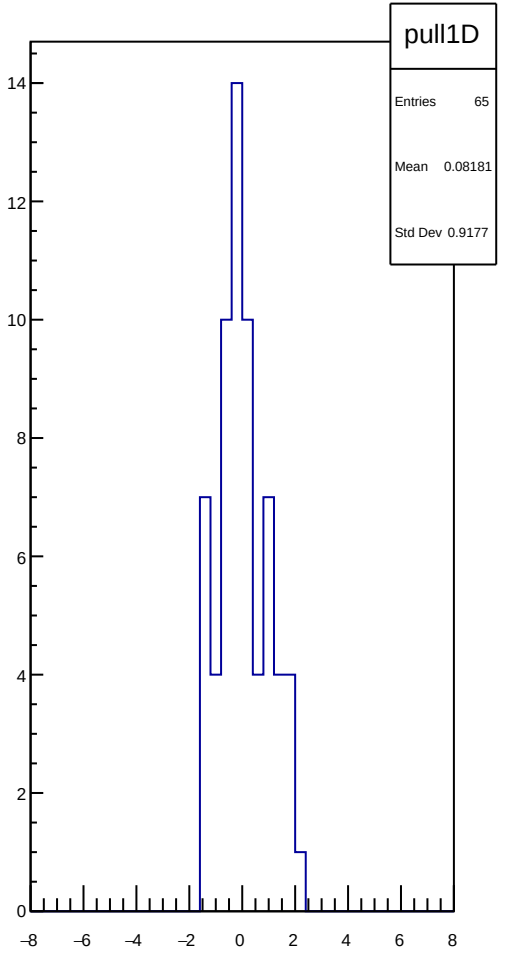

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 3.007e+04 / 64
p0 8487 ± 7.486
10000
9000
8000
7000
6000
5000

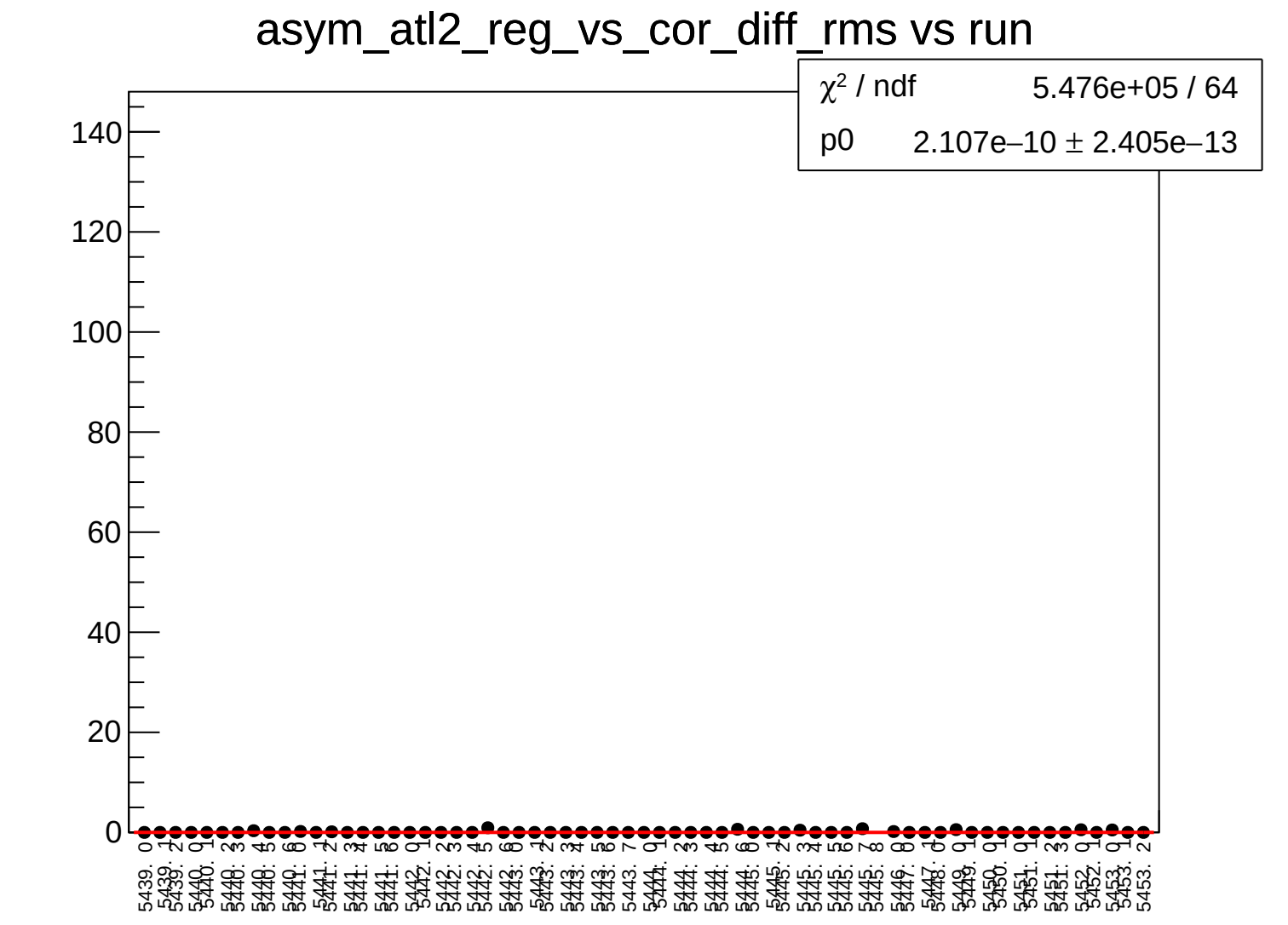

asym_atl2_mean vs run
×10^3
χ² / ndf 56.45 / 64
p0 9916 ± 1.158e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean 51.3
Std Dev 55.47
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

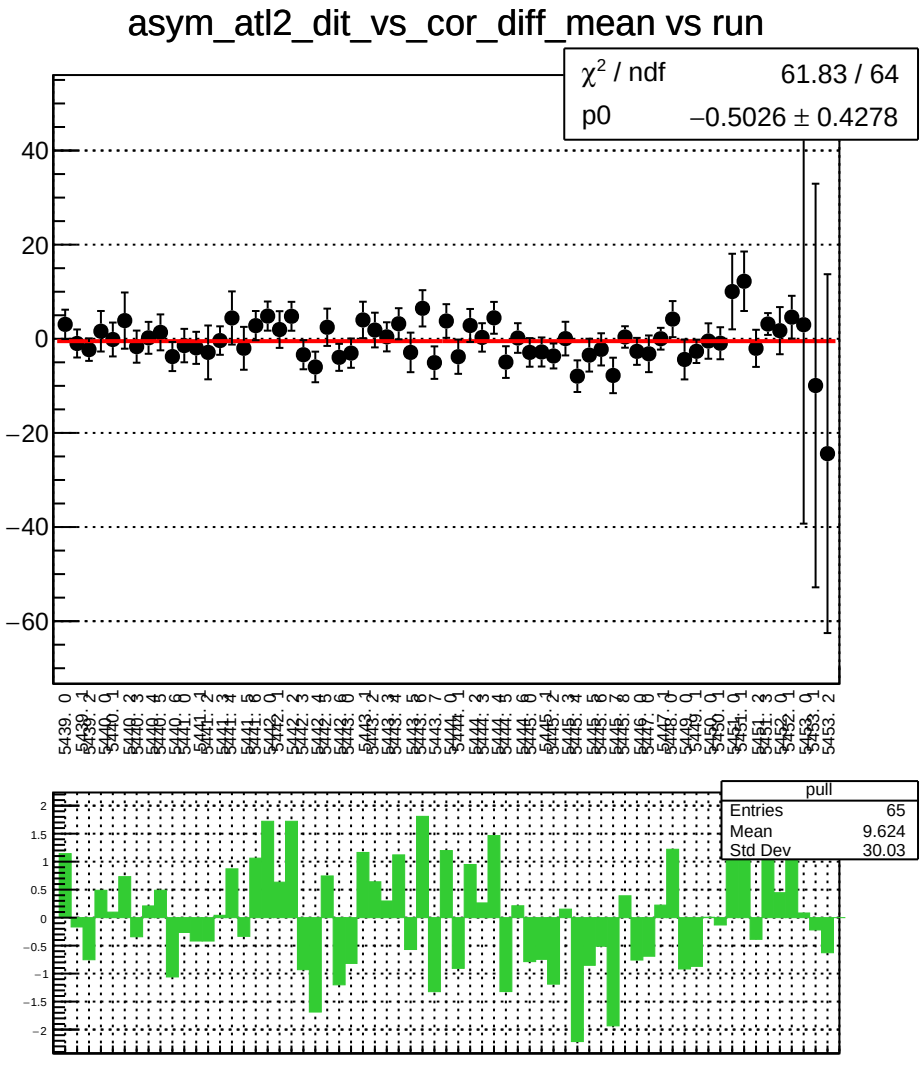

pull1D
Entries 65
Mean −0.009679
Std Dev 0.9319
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

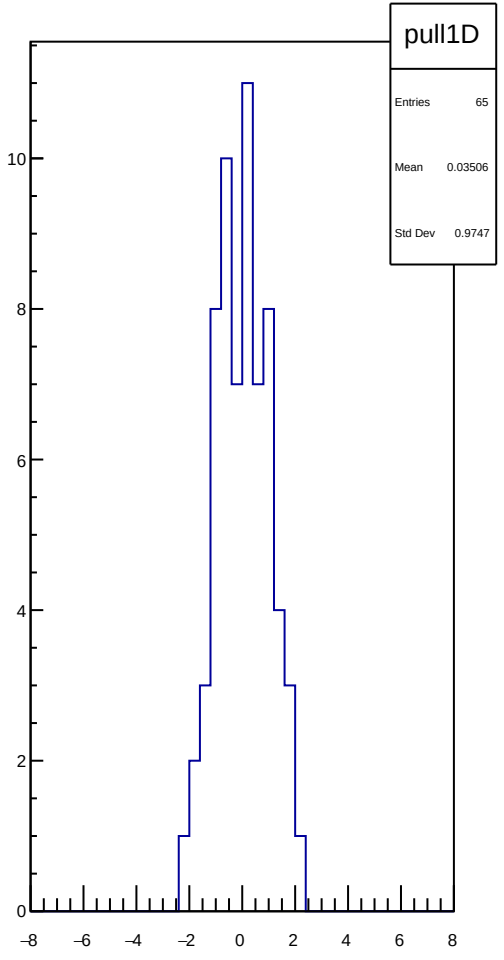

asym_atl2_rms vs run
χ² / ndf 5073 / 64
p0 9372 ± 8.187
12500
12000
11500
11000
10500
10000
9500
9000
8500

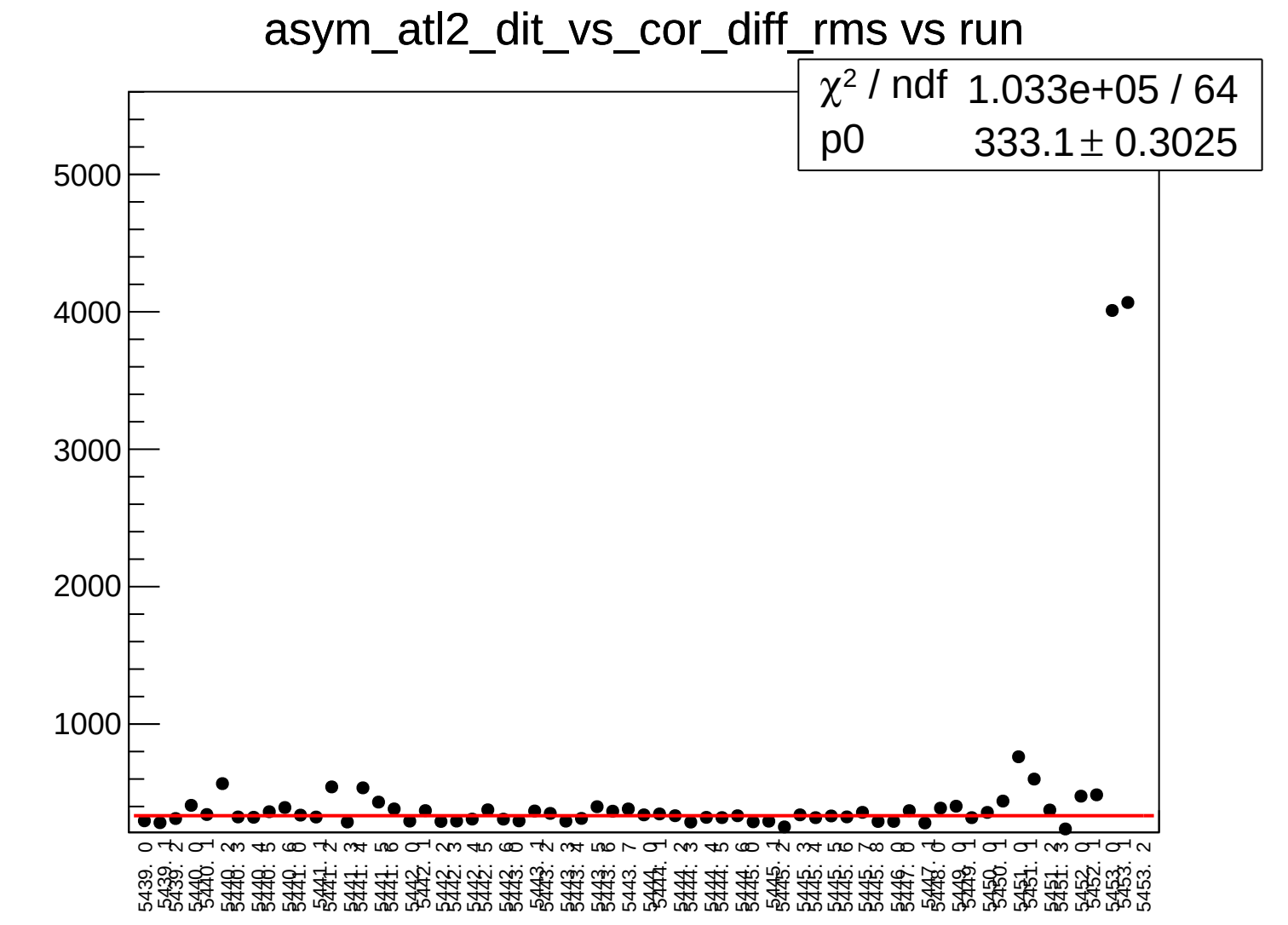

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 55.17 / 64
p0 1.823e−13 ± 3.401e−13
pull
Entries 65
Mean 56.26
Std Dev 0

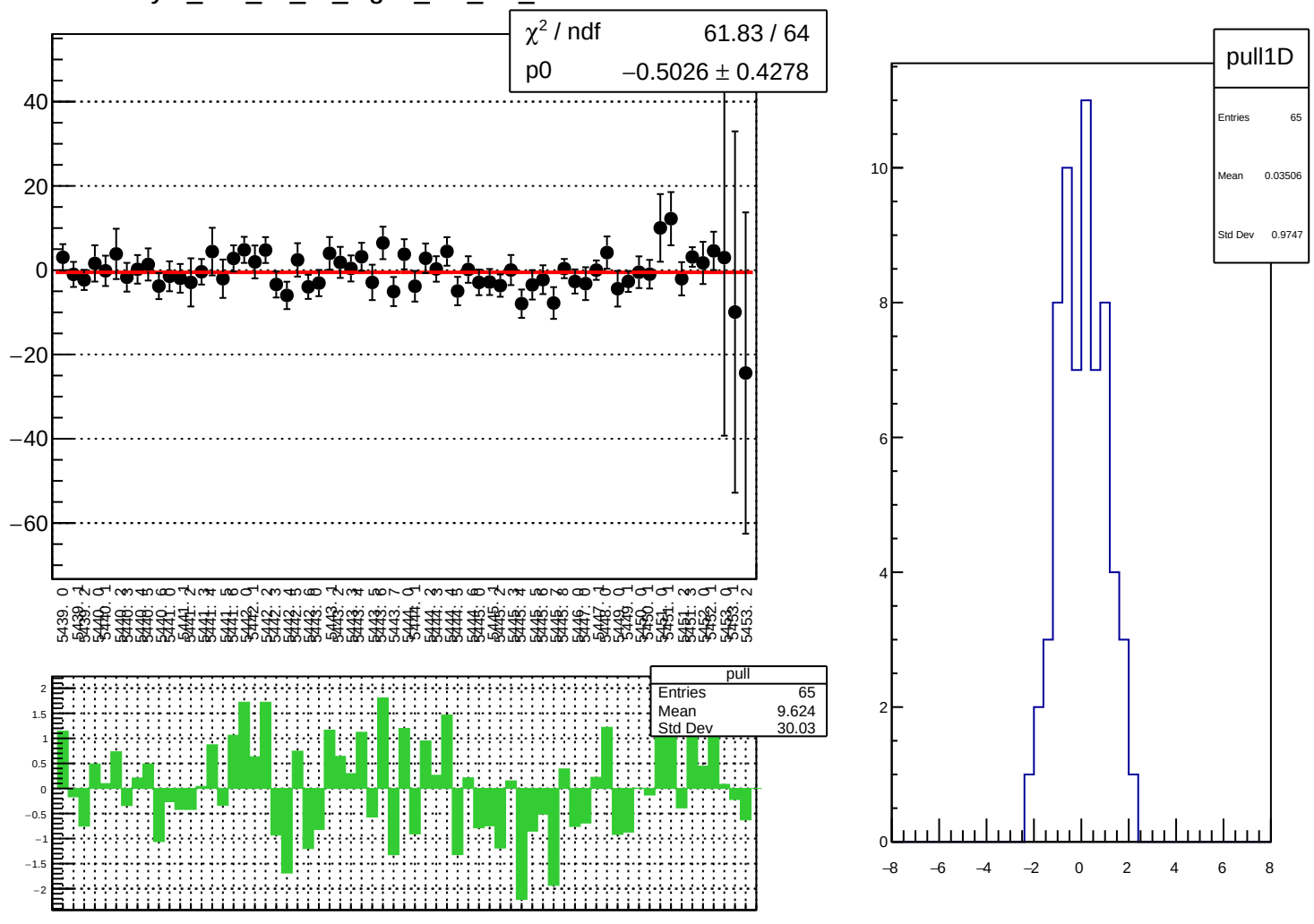

pull1D
Entries 65
Mean 0.08181
Std Dev 0.9177

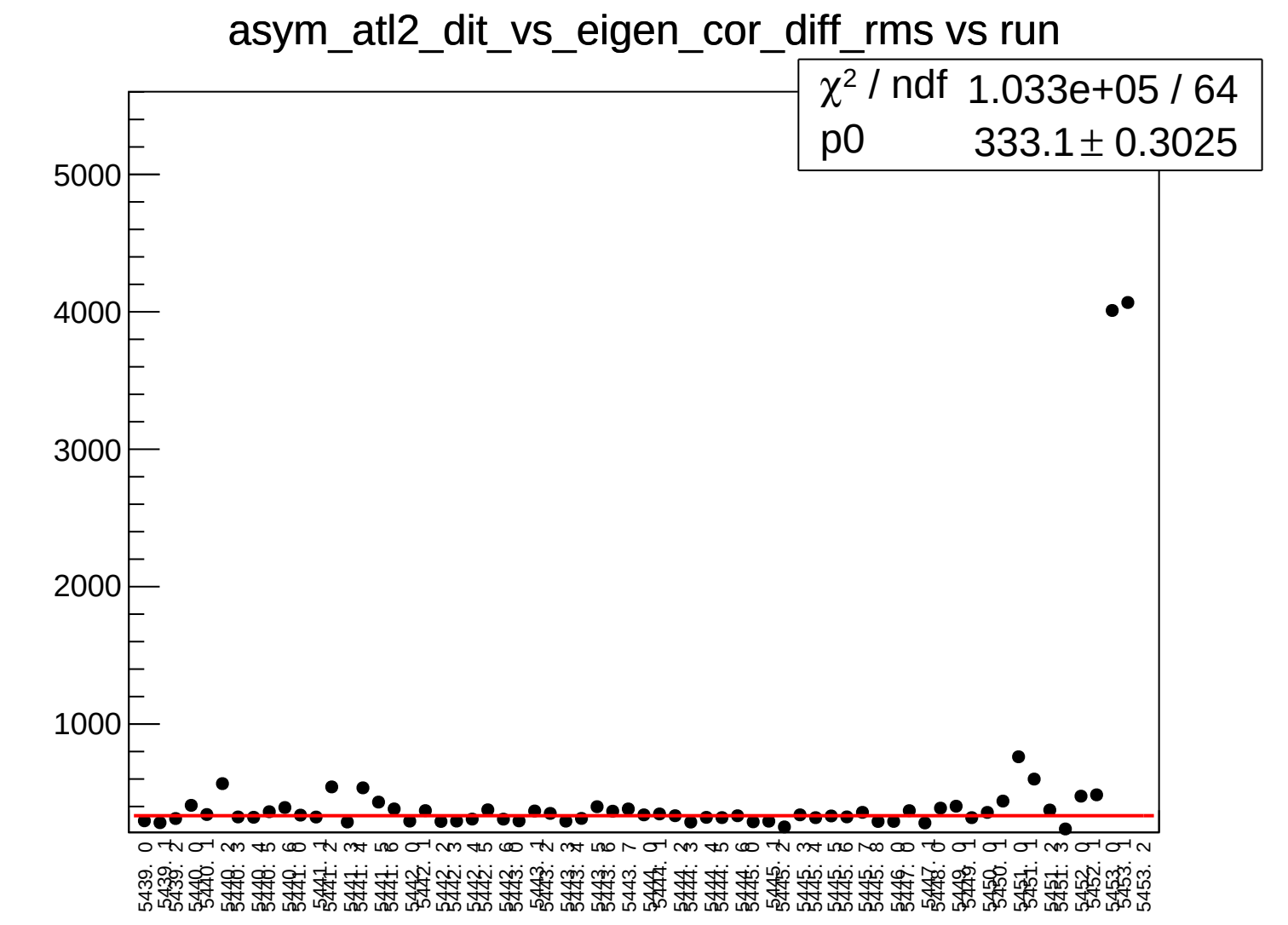

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.476e+05 / 64
p0 2.107e−10 ± 2.405e−13
140
120
100
80
60
40
20
0

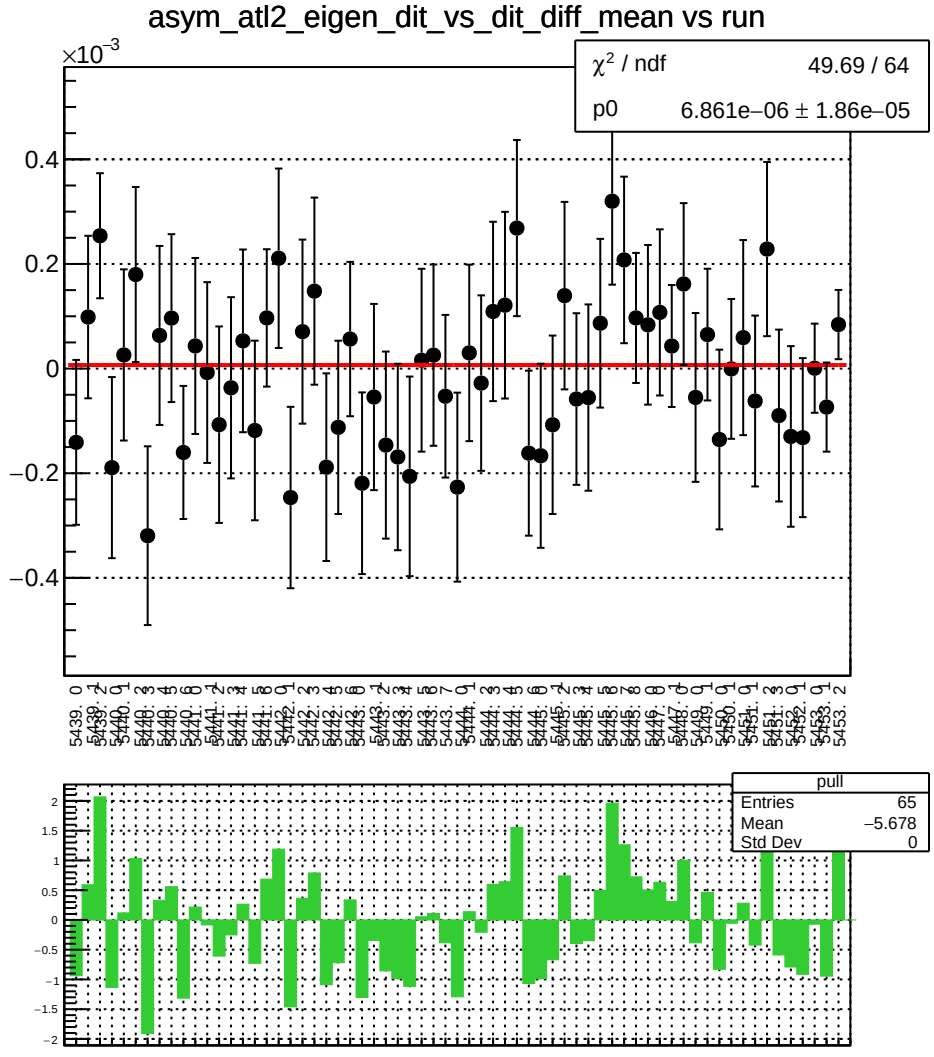

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 61.83 / 64
p0 −0.5026 ± 0.4278
pull
Entries 65
Mean 9.624
Std Dev 30.03

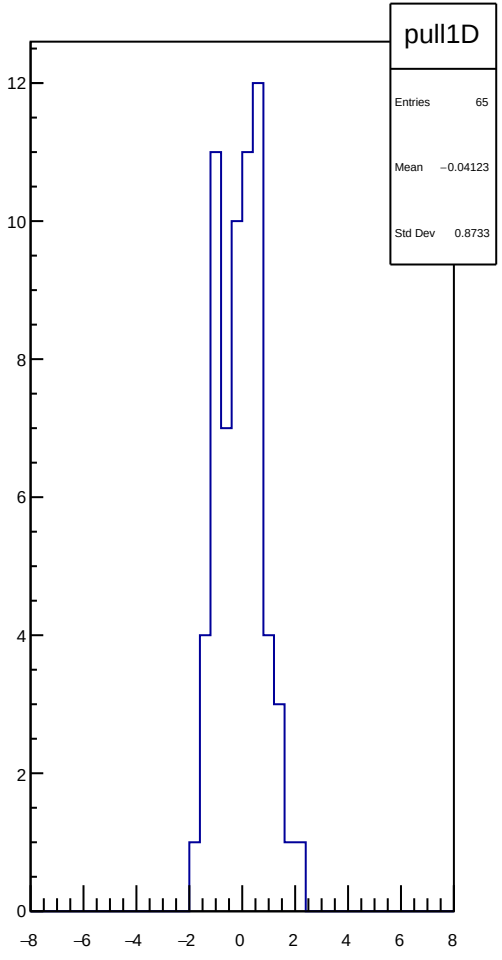

pull1D
Entries 65
Mean 0.03506
Std Dev 0.9747

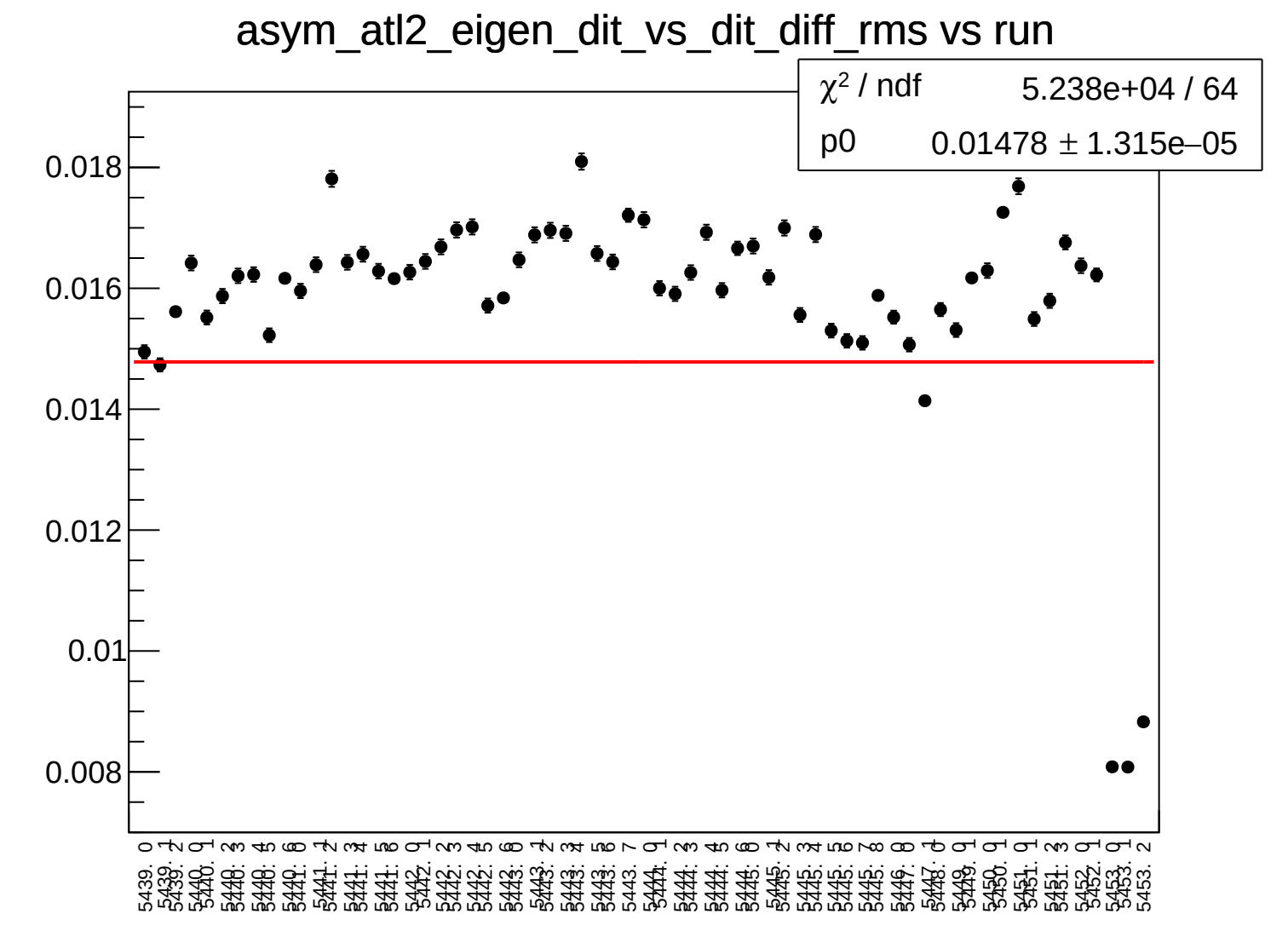

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 64
p0 333.1 ± 0.3025
5000
4000
3000
2000
1000

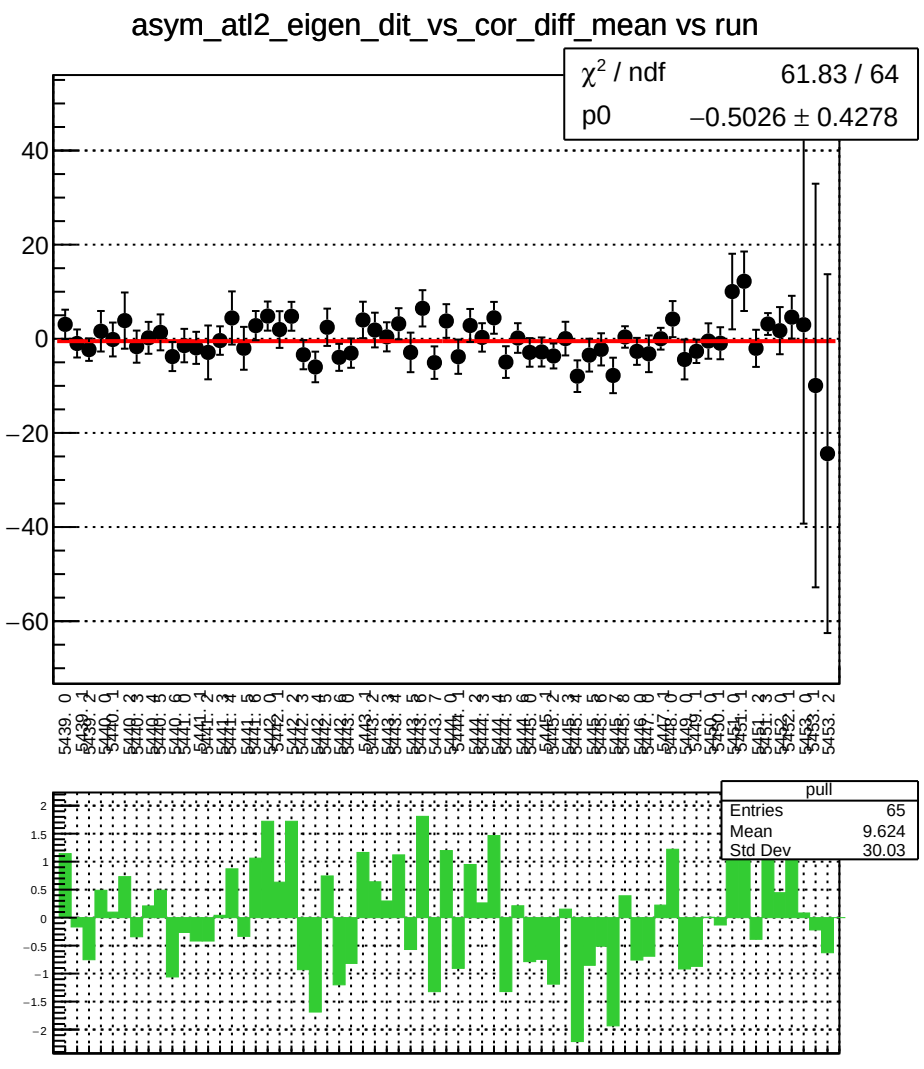

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.83 / 64
p0 −0.5026 ± 0.4278
pull
Entries 65
Mean 9.624
Std Dev 30.03
pull1D
Entries 65
Mean 0.03506
Std Dev 0.9747

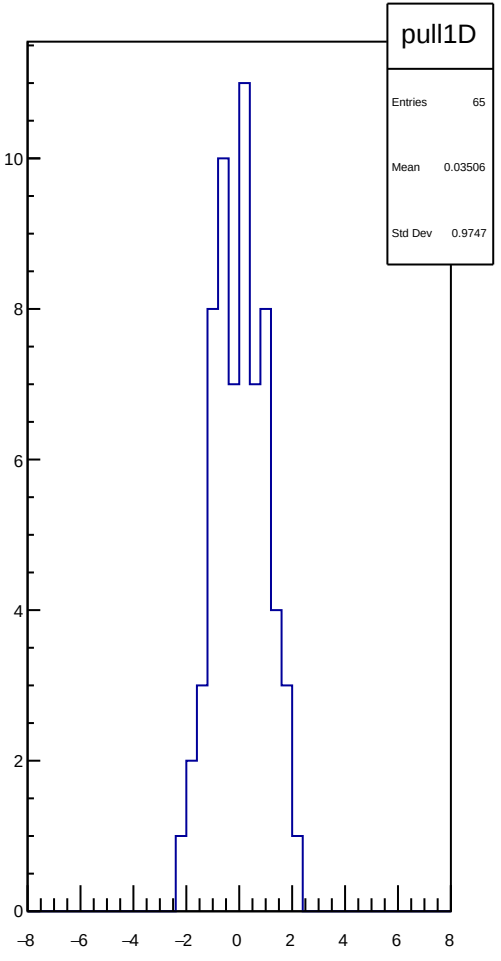

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 64
p0 333.1 ± 0.3025
5000
4000
3000
2000
1000

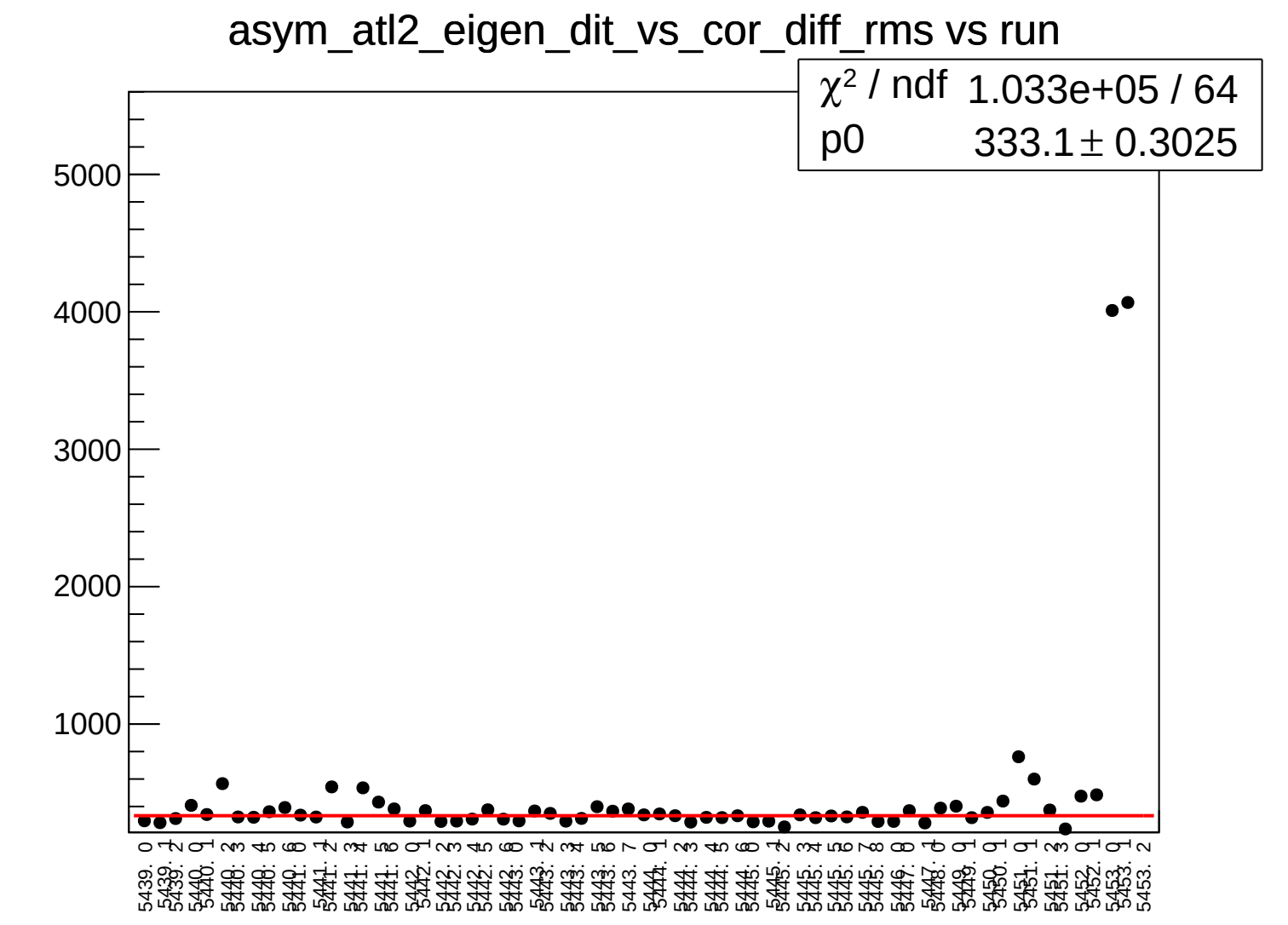

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.69 / 64
p0 6.861e−06 ± 1.86e−05
pull
Entries 65
Mean −5.678
Std Dev 0

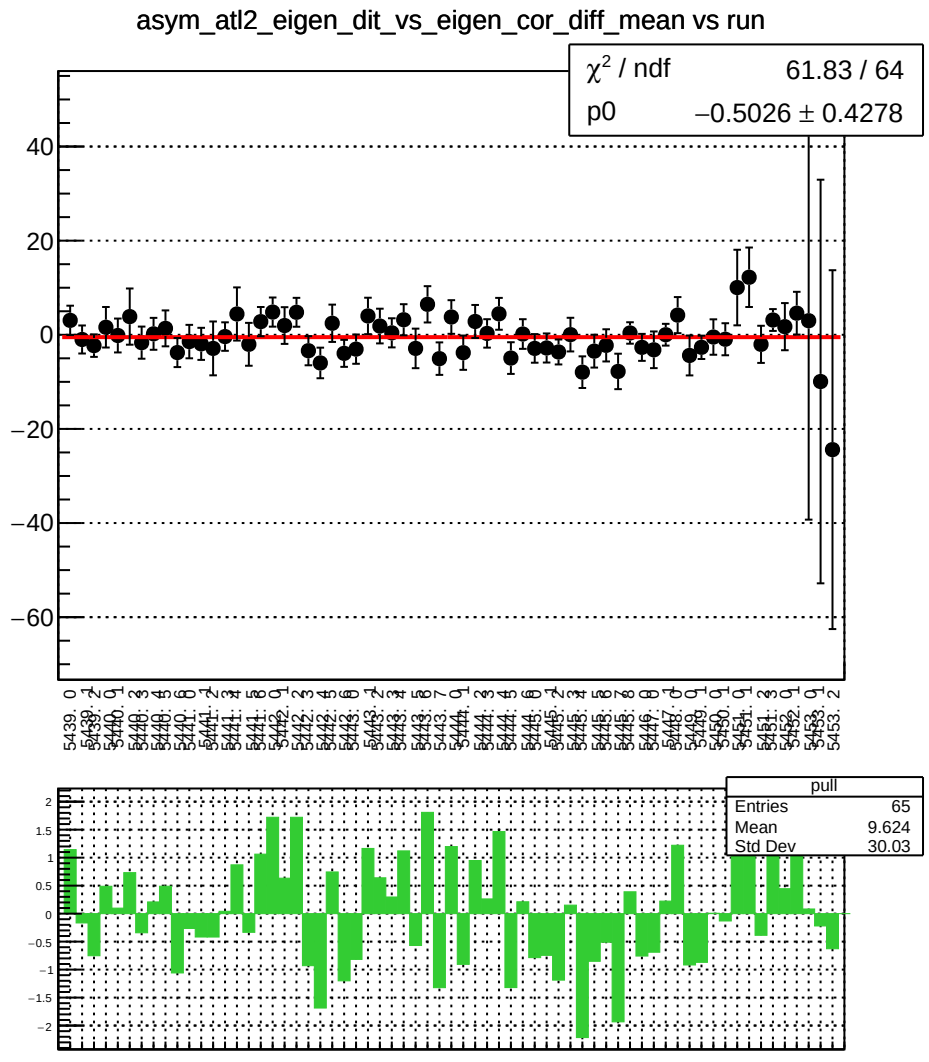

pull1D
Entries 65
Mean −0.04123
Std Dev 0.8733

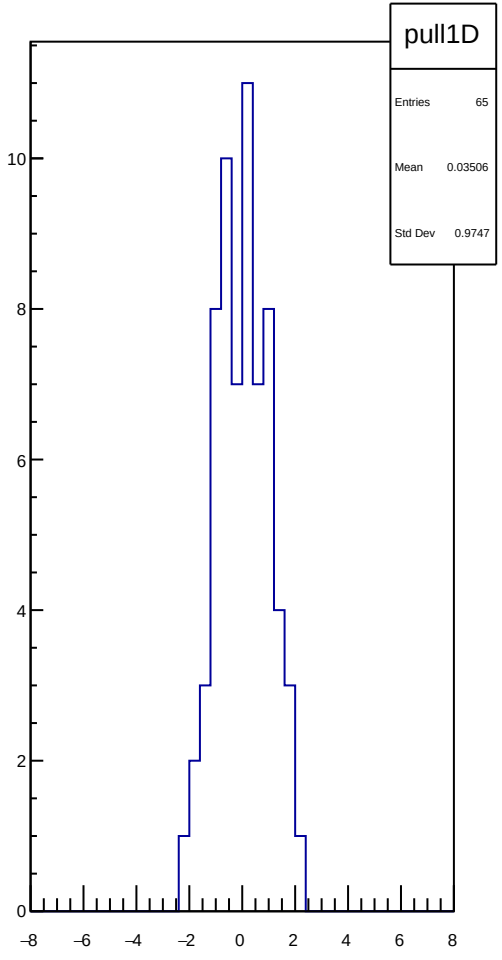

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.238e+04 / 64
p0 0.01478 ± 1.315e−05
0.018
0.016
0.014
0.012
0.01
0.008

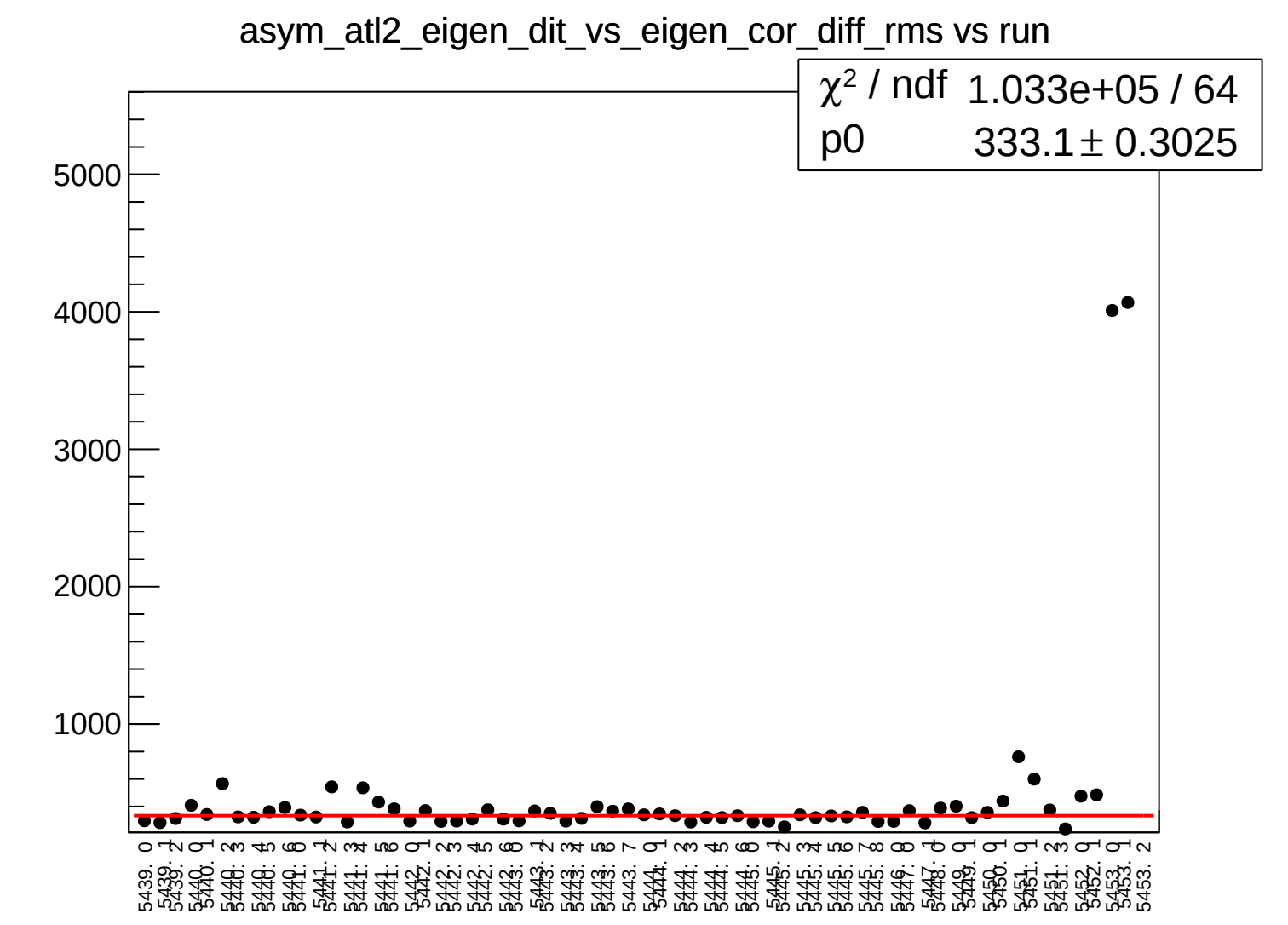

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.83 / 64
p0 −0.5026 ± 0.4278
pull
Entries 65
Mean 9.624
Std Dev 30.03

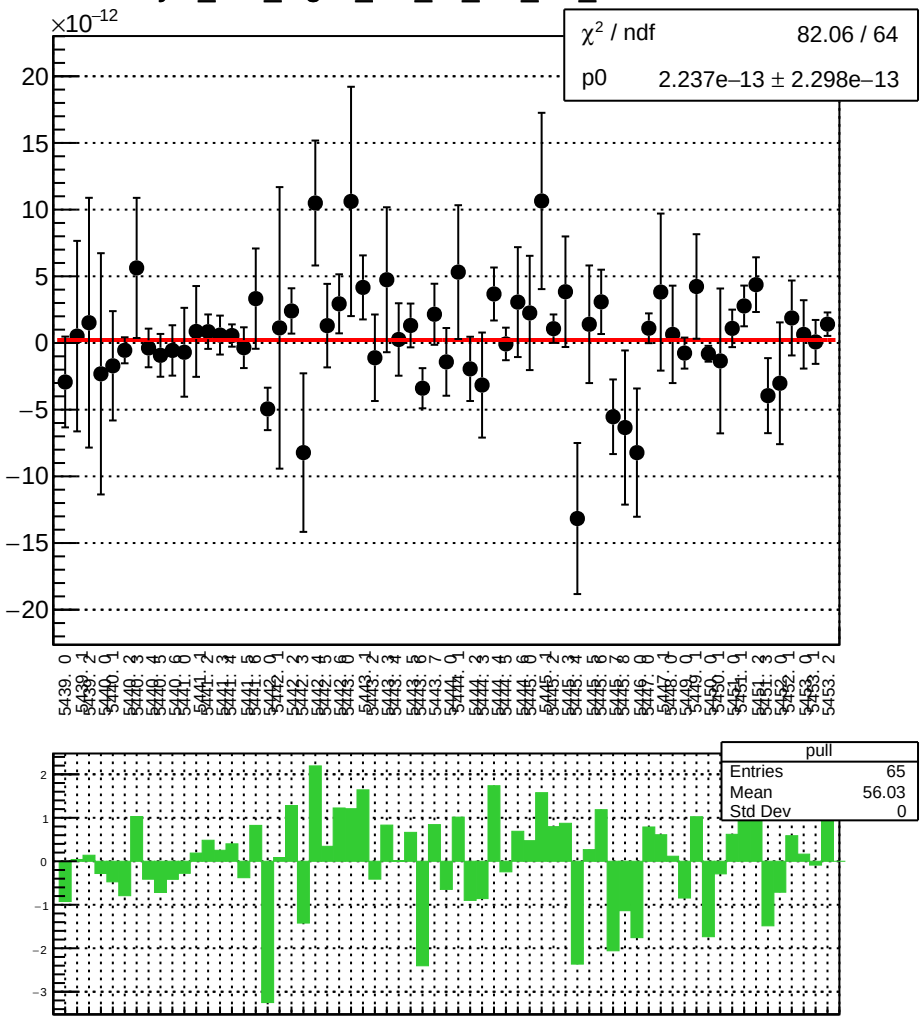

pull1D
Entries 65
Mean 0.03506
Std Dev 0.9747

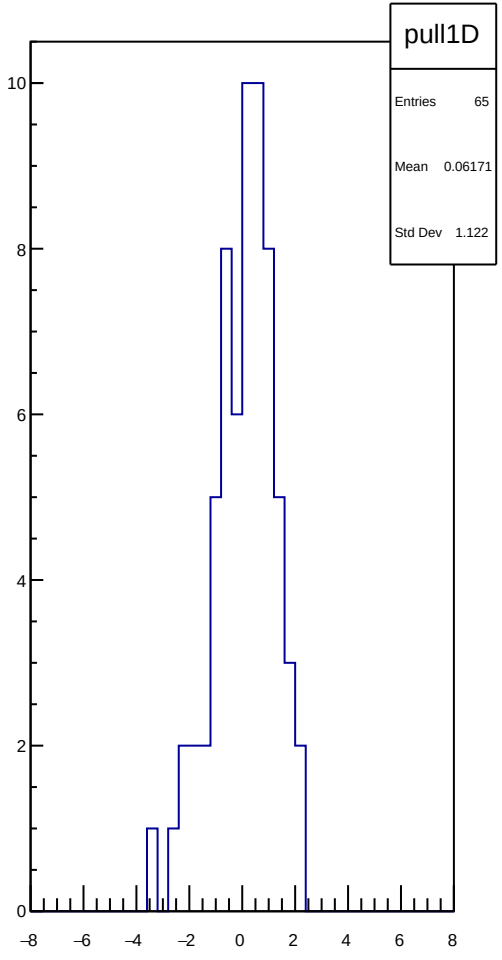

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 64
p0 333.1 ± 0.3025
5000
4000
3000
2000
1000

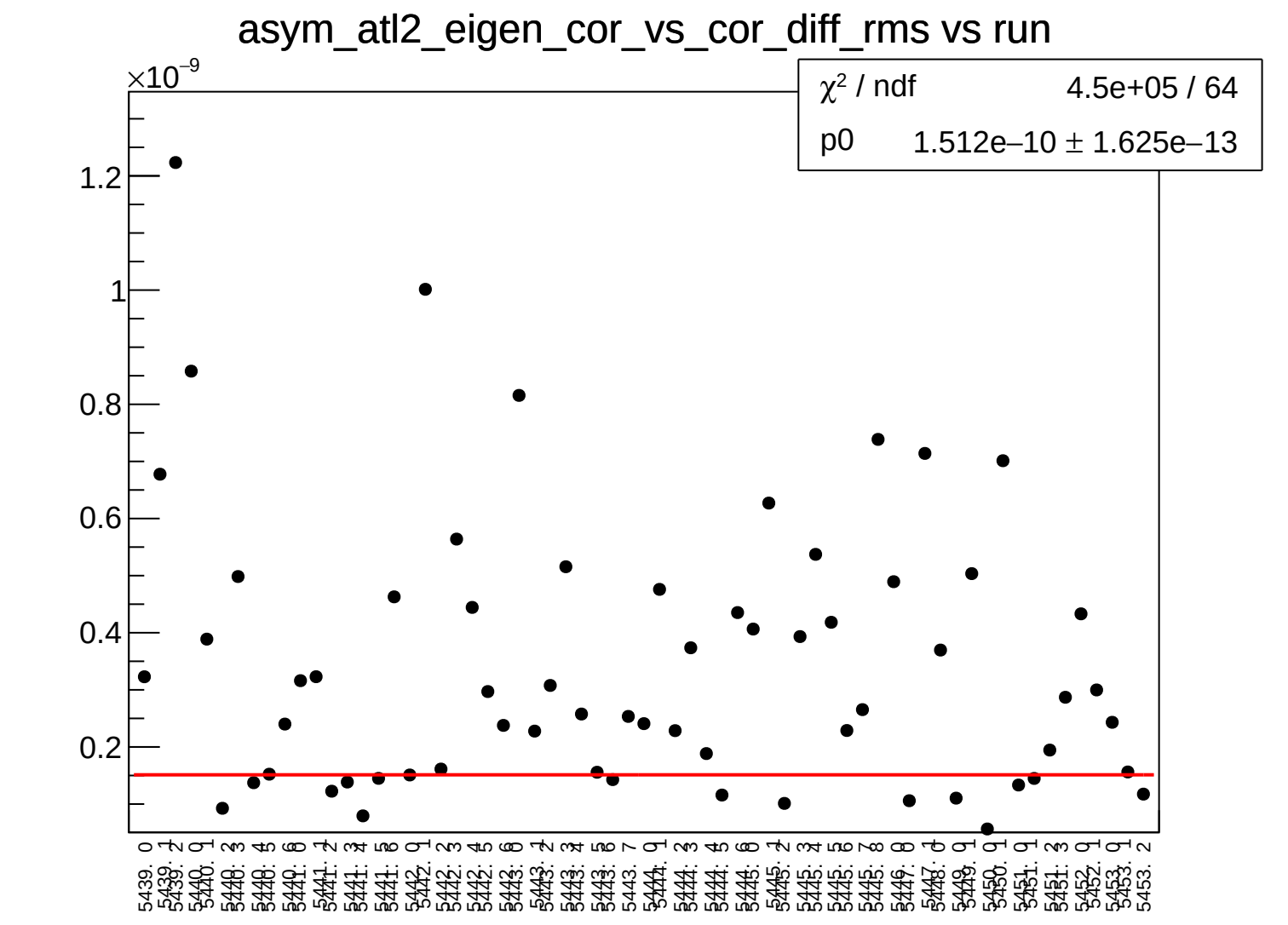

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.83 / 64
p0 −0.5026 ± 0.4278
pull
Entries 65
Mean 9.624
Std Dev 30.03

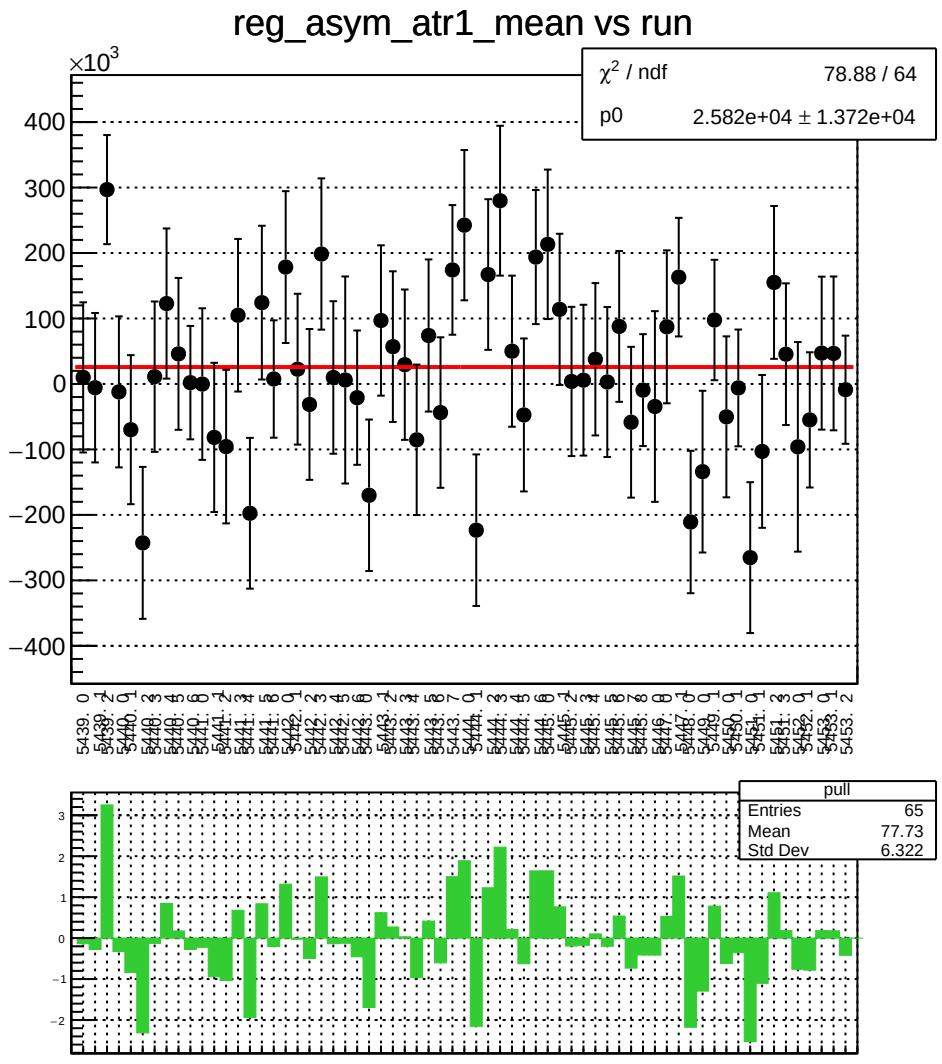

pull1D
Entries 65
Mean 0.03506
Std Dev 0.9747

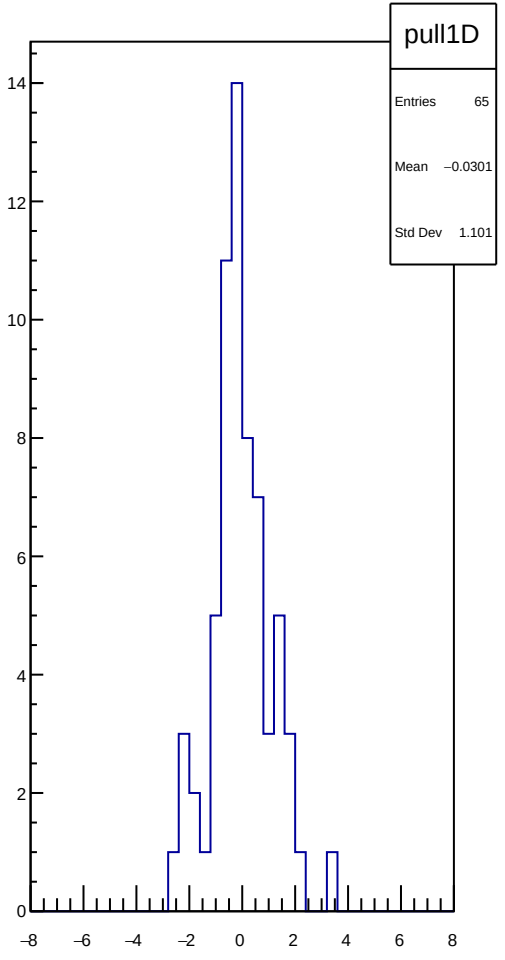

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 64
p0 333.1 ± 0.3025
5000
4000
3000
2000
1000

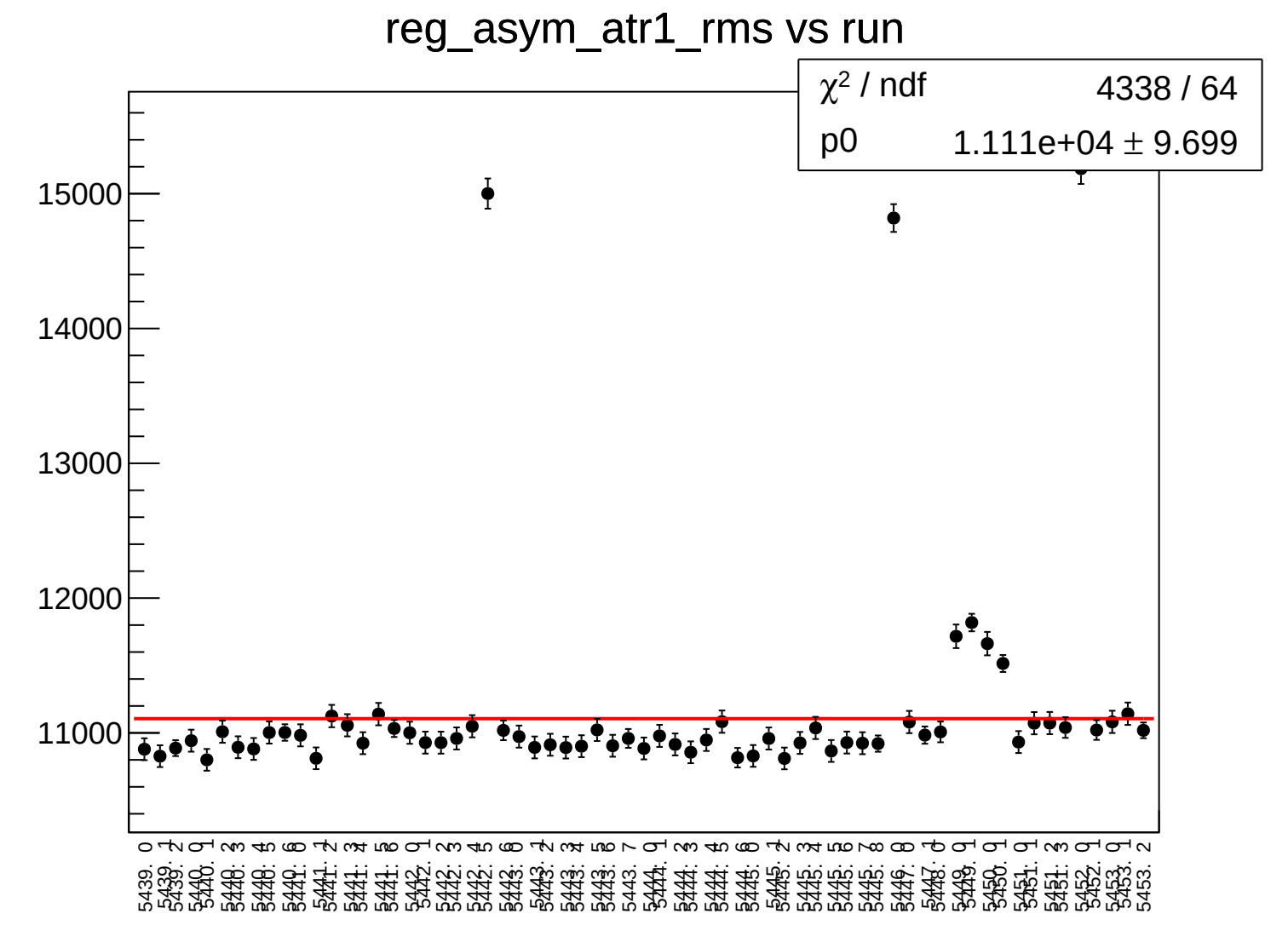

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.06 / 64
p0 2.237e−13 ± 2.298e−13
pull
Entries 65
Mean 56.03
Std Dev 0

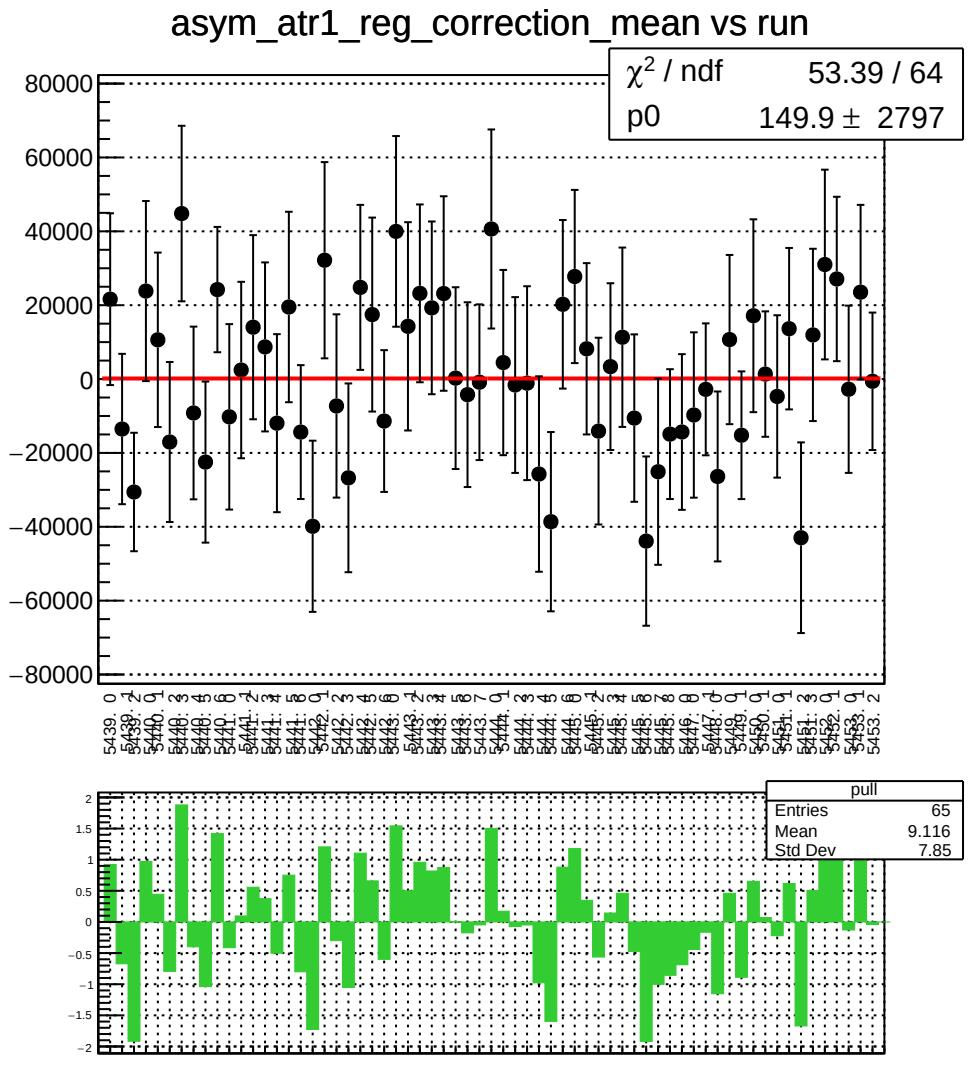

pull1D
Entries 65
Mean 0.06171
Std Dev 1.122

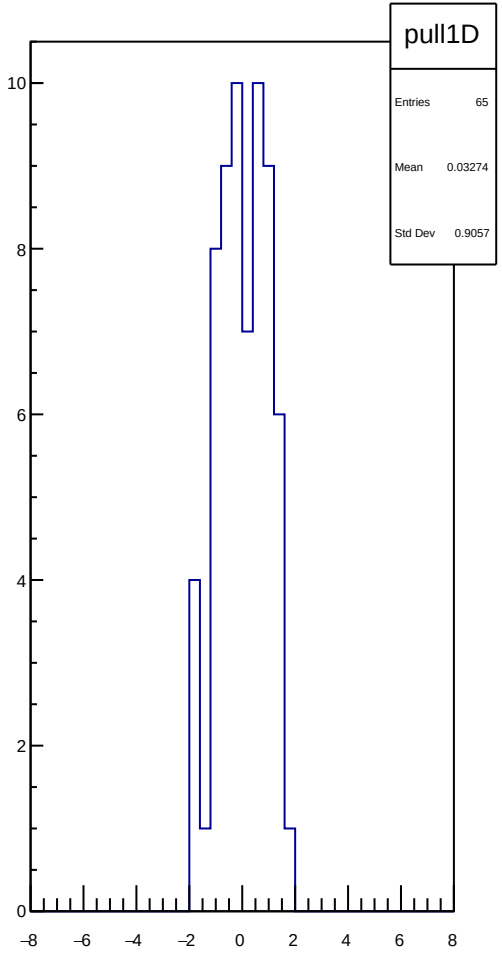

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.5e+05 / 64
p0 1.512e−10 ± 1.625e−13
1.2
1
0.8
0.6
0.4
0.2

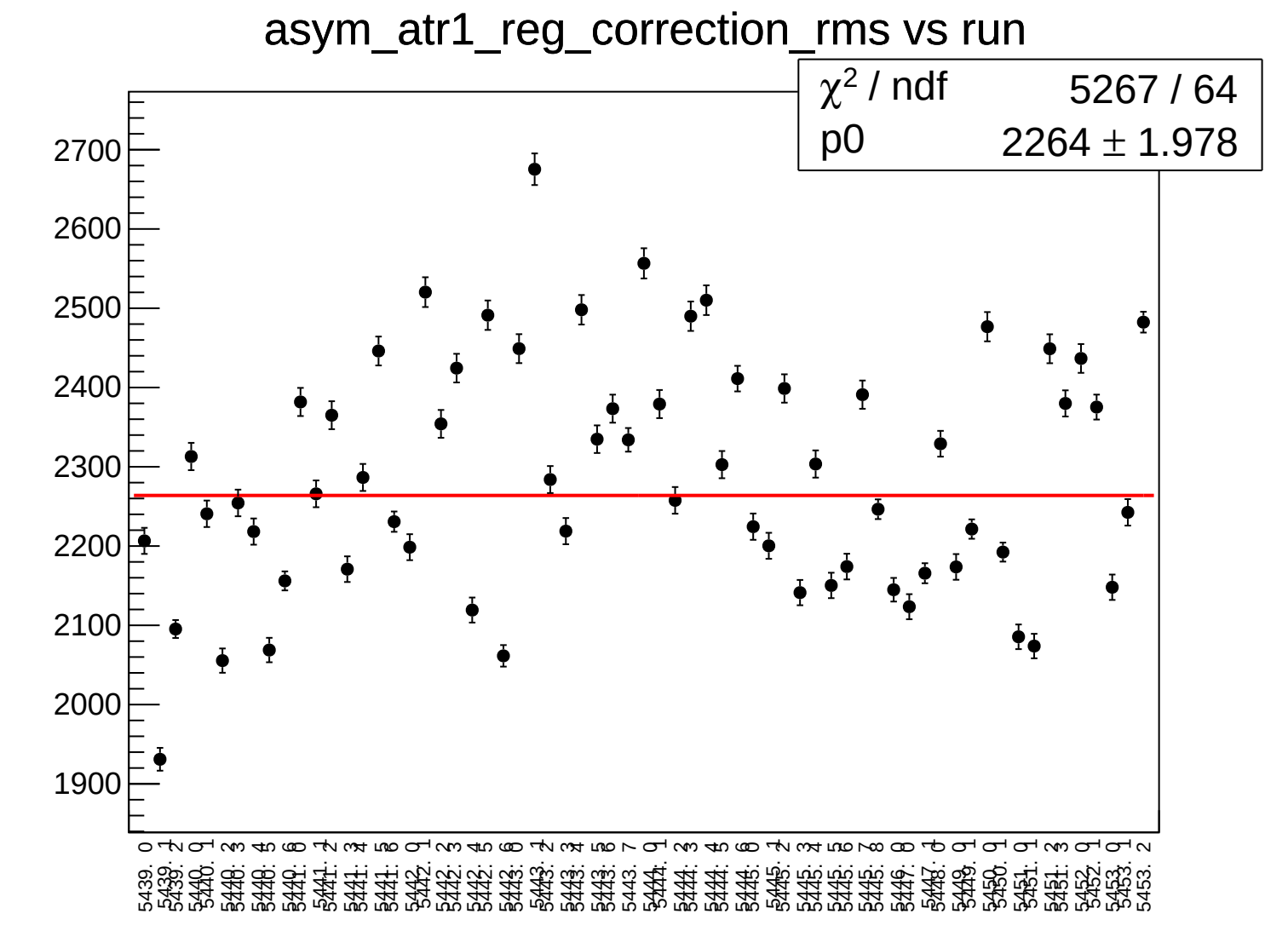

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 78.88 / 64
p0 2.582e+04 ± 1.372e+04
pull
Entries 65
Mean 77.73
Std Dev 6.322

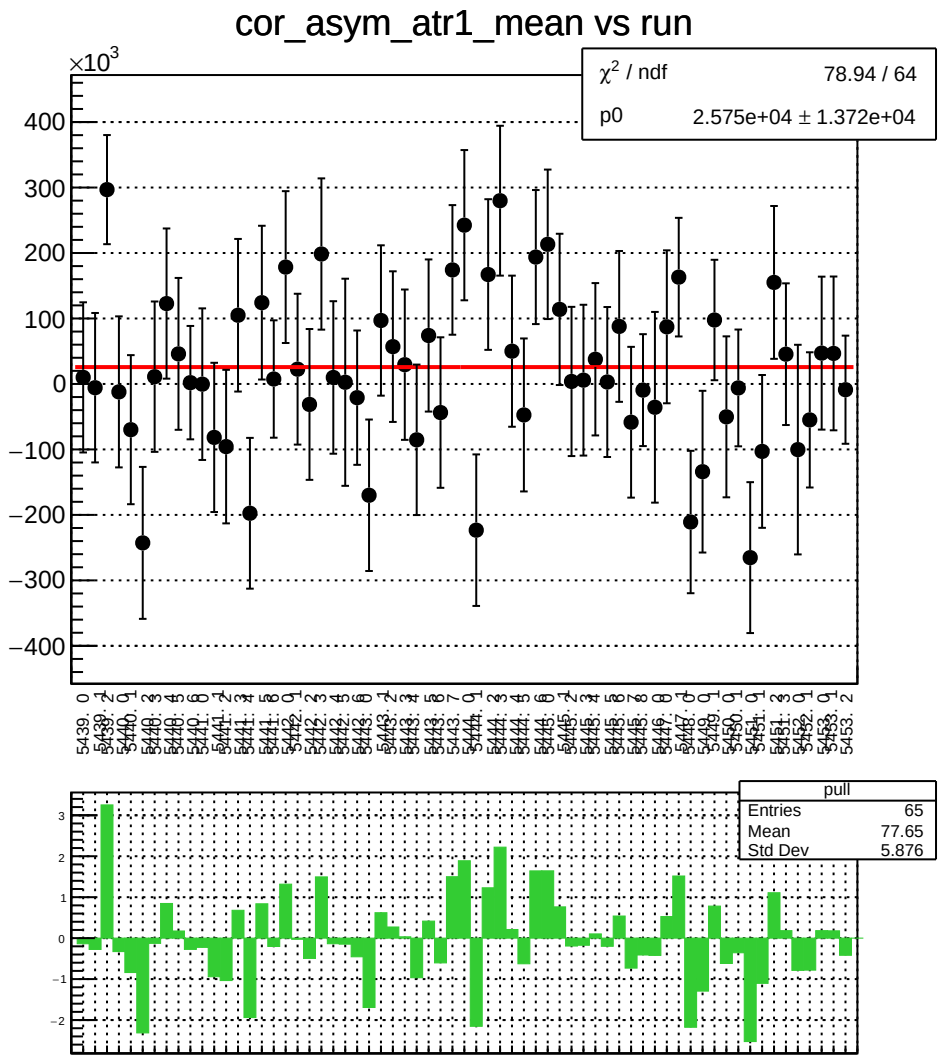

pull1D
Entries 65
Mean −0.0301
Std Dev 1.101

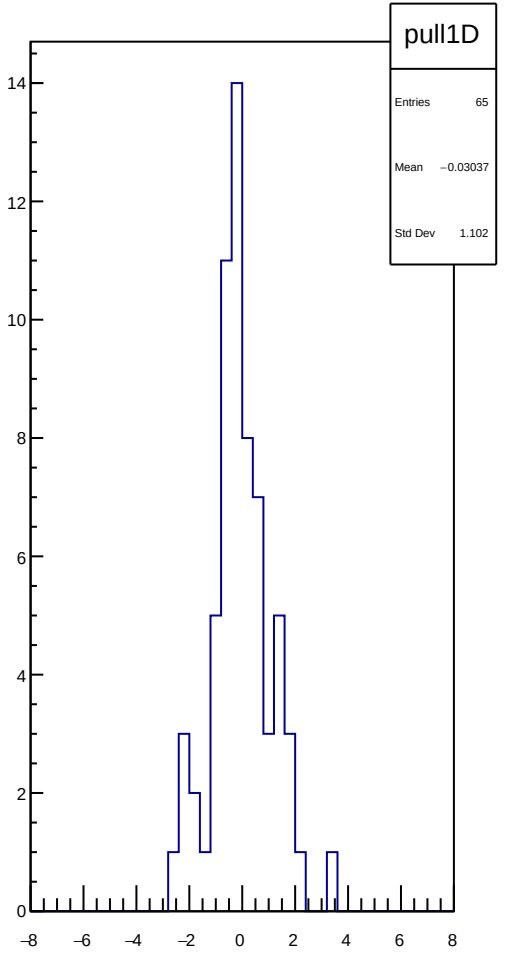

reg_asym_atr1_rms vs run
χ² / ndf 4338 / 64
p0 1.111e+04 ± 9.699
15000
14000
13000
12000
11000

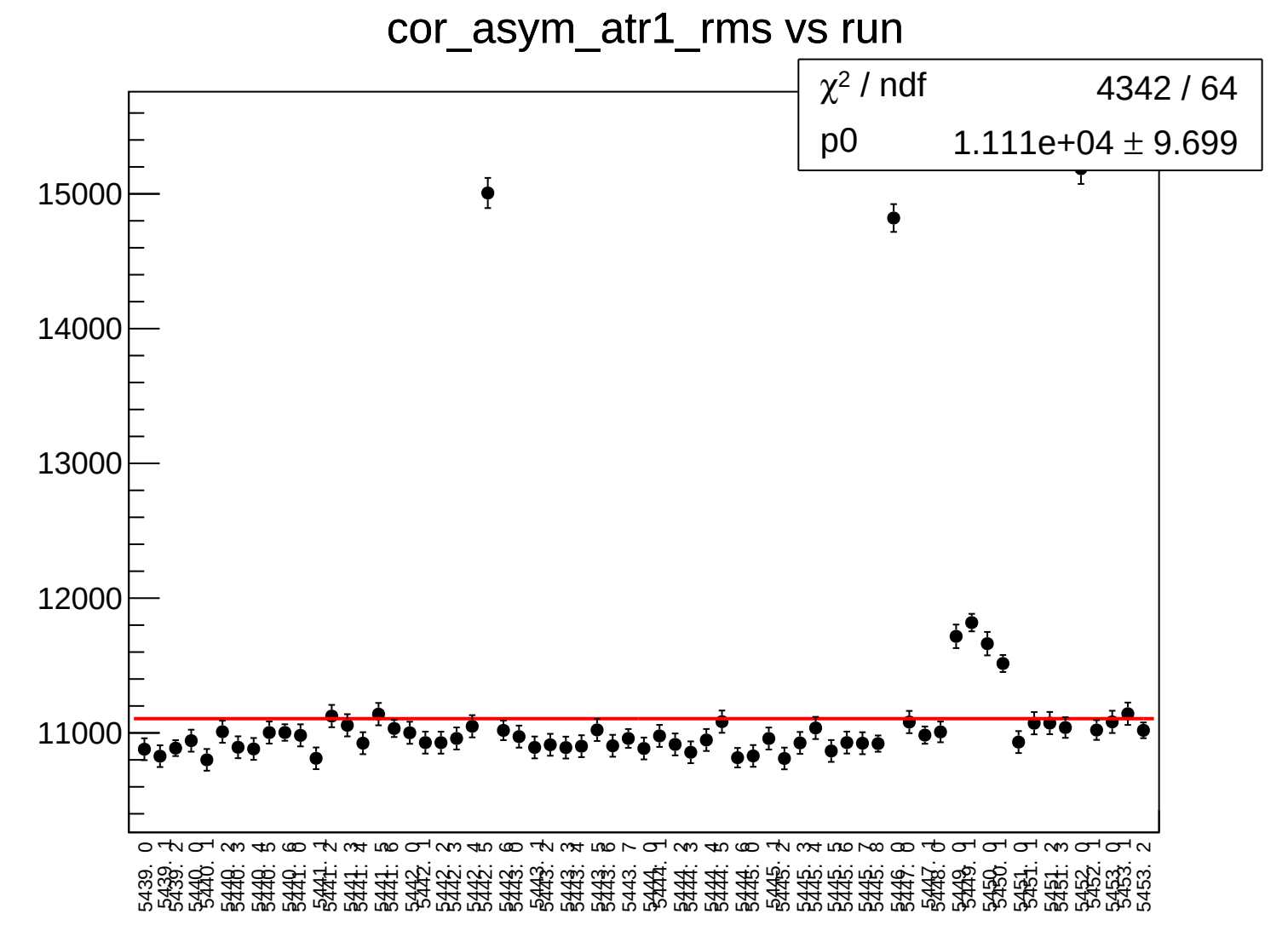

asym_atr1_reg_correction_mean vs run
χ² / ndf 53.39 / 64
p0 149.9 ± 2797
pull
Entries 65
Mean 9.116
Std Dev 7.85

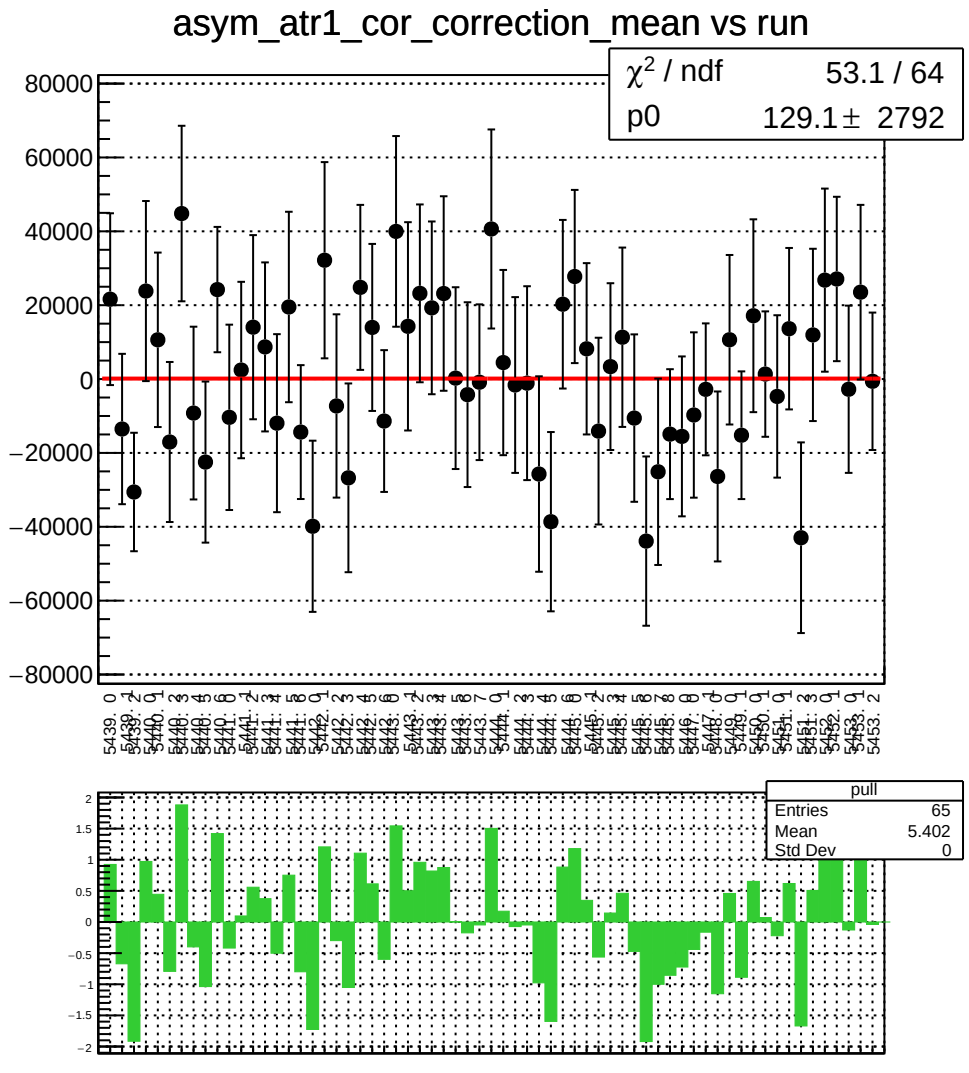

pull1D
Entries 65
Mean 0.03274
Std Dev 0.9057

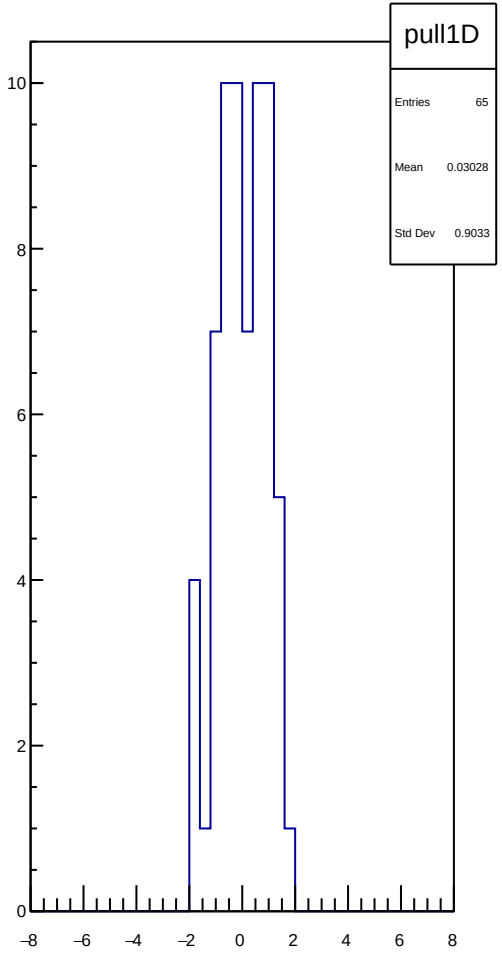

asym_atr1_reg_correction_rms vs run
χ² / ndf 5267 / 64
p0 2264 ± 1.978
2700
2600
2500
2400
2300
2200
2100
2000
1900

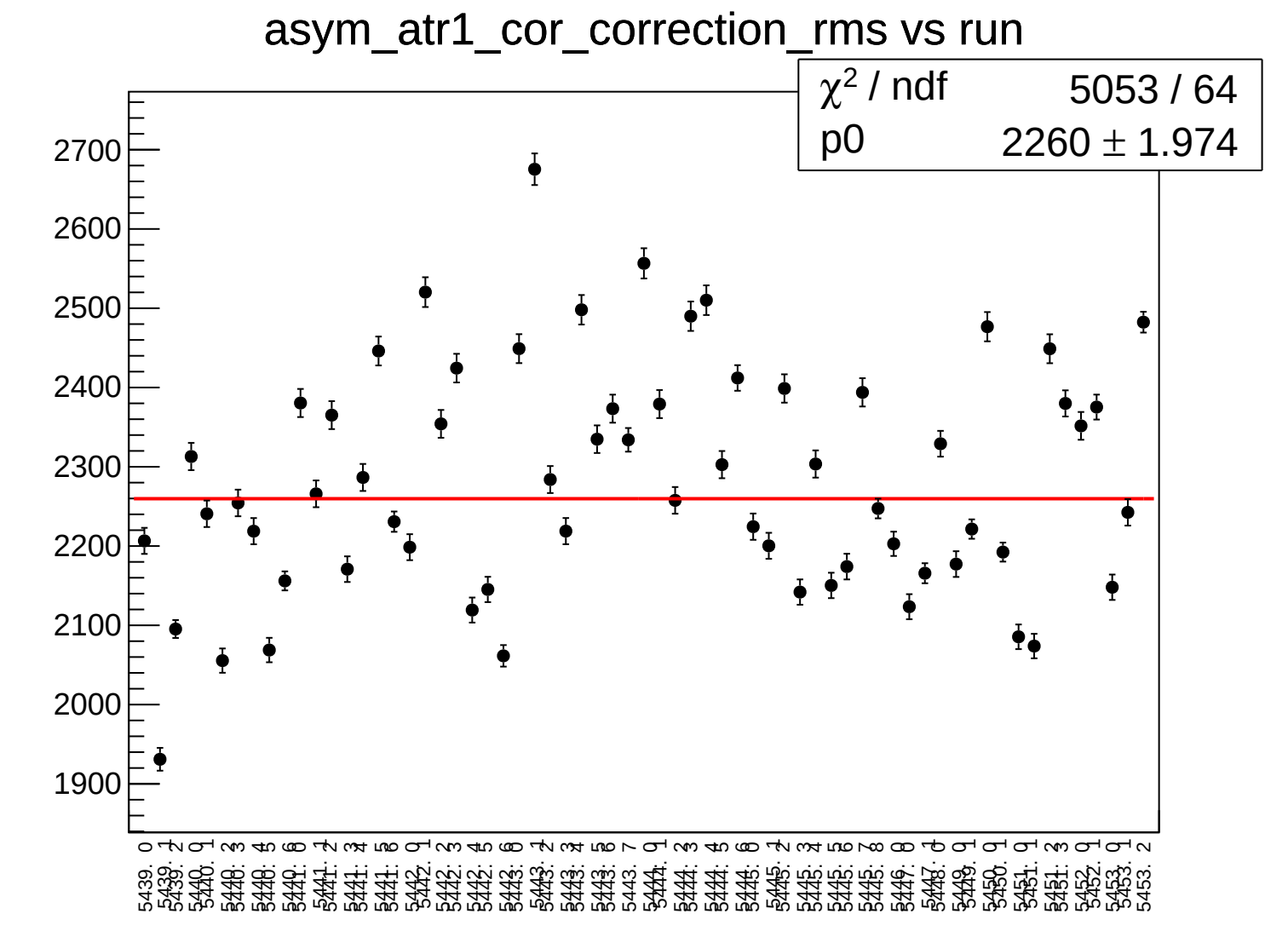

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 78.94 / 64
p0 2.575e+04 ± 1.372e+04
pull
Entries 65
Mean 77.65
Std Dev 5.876


pull1D
Entries 65
Mean −0.03037
Std Dev 1.102


cor_asym_atr1_rms vs run
χ² / ndf 4342 / 64
p0 1.111e+04 ± 9.699
15000
14000
13000
12000
11000


asym_atr1_cor_correction_mean vs run
χ² / ndf 53.1 / 64
p0 129.1 ± 2792
pull
Entries 65
Mean 5.402
Std Dev 0


pull1D
Entries 65
Mean 0.03028
Std Dev 0.9033


asym_atr1_cor_correction_rms vs run
χ² / ndf 5053 / 64
p0 2260 ± 1.974
2700
2600
2500
2400
2300
2200
2100
2000
1900
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
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5451. 1
5451. 2
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5453. 0
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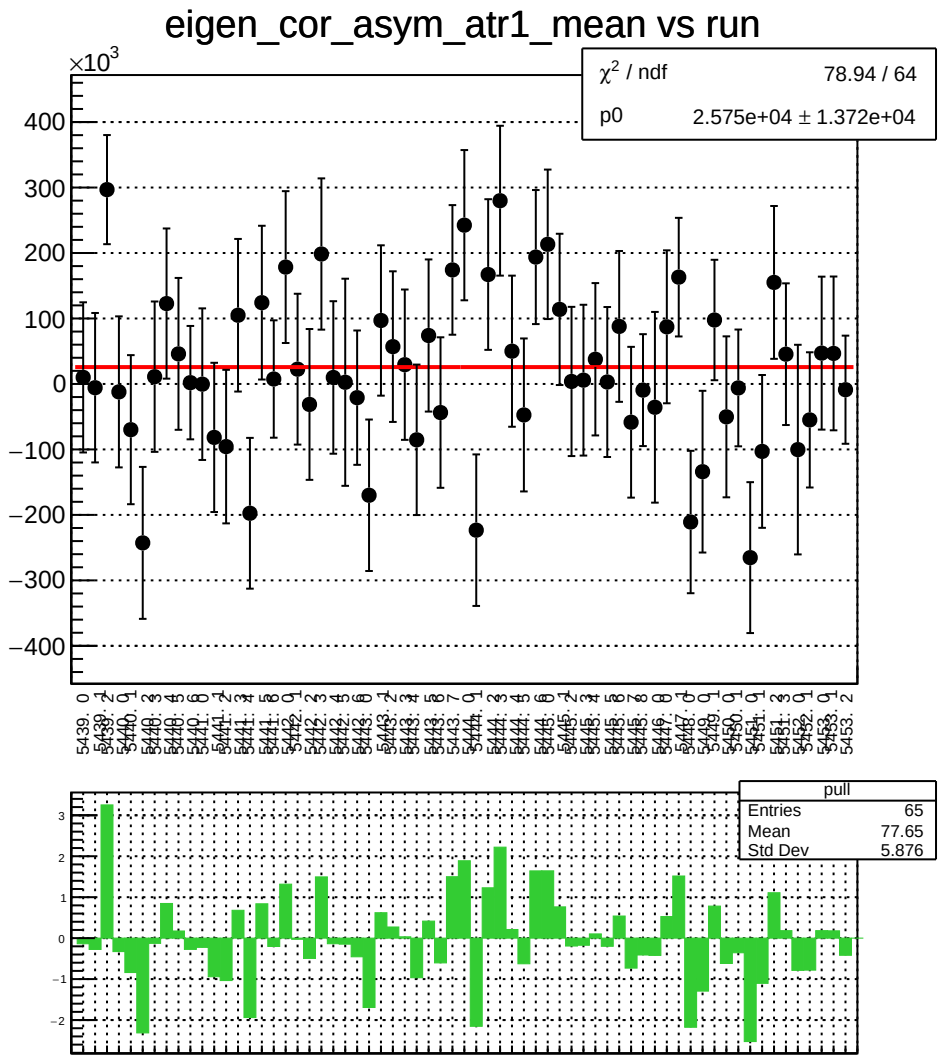
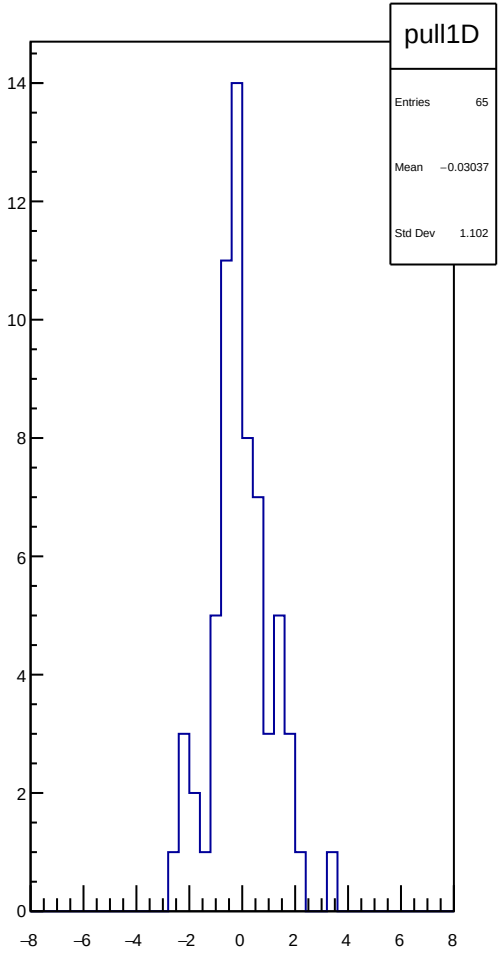
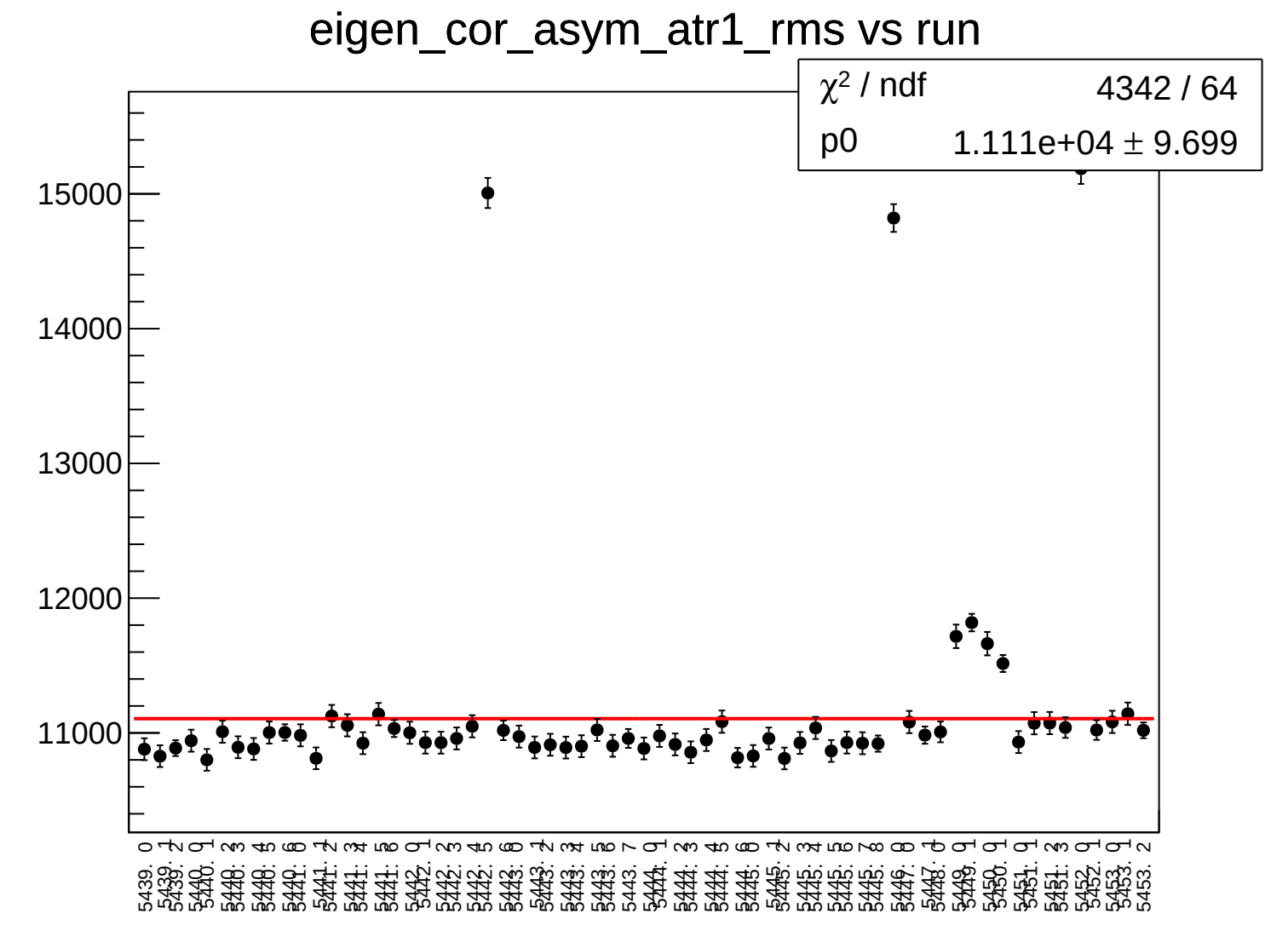
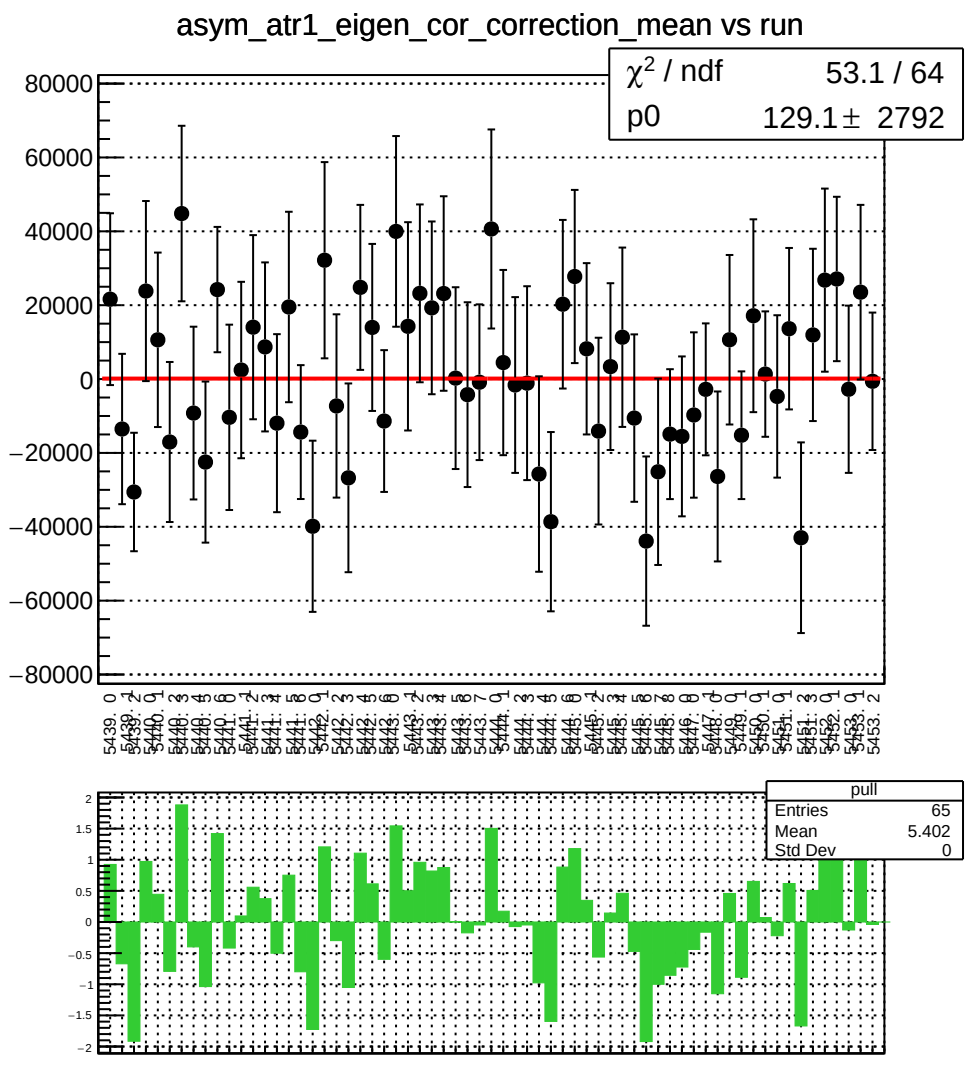
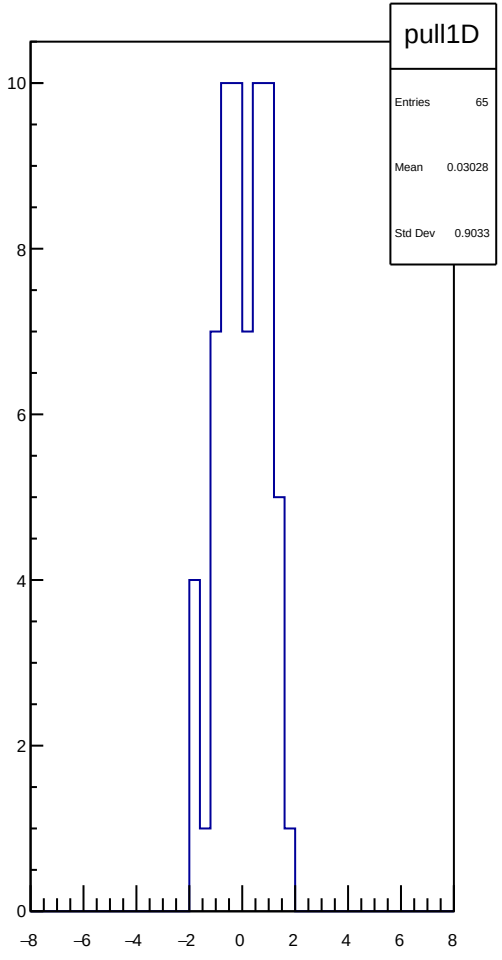
5453. 2

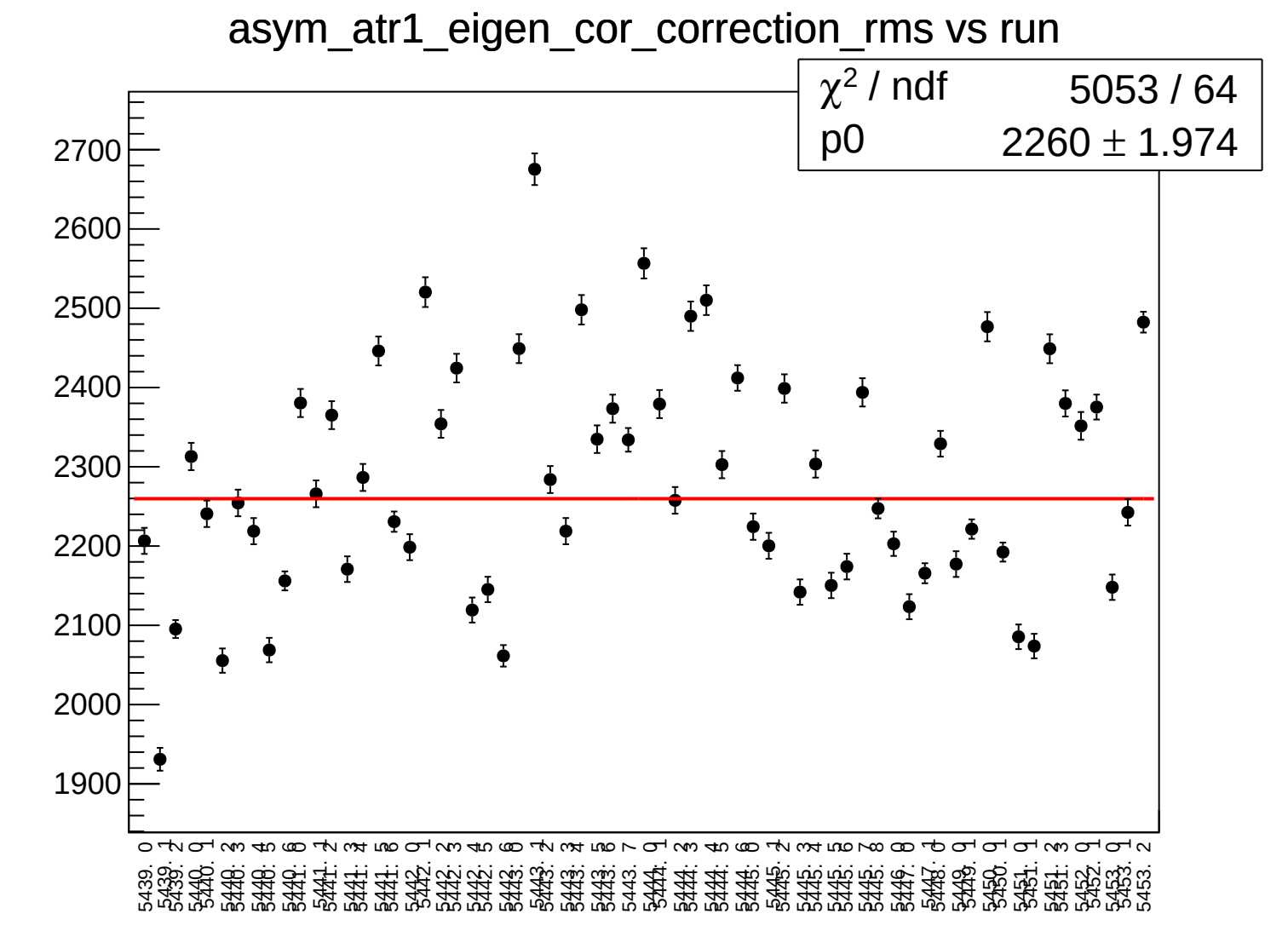

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 78.94 / 64
p0 2.575e+04 ± 1.372e+04
pull
Entries 65
Mean 77.65
Std Dev 5.876


pull1D
Entries 65
Mean −0.03037
Std Dev 1.102


eigen_cor_asym_atr1_rms vs run
χ² / ndf 4342 / 64
p0 1.111e+04 ± 9.699
15000
14000
13000
12000
11000


asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 53.1 / 64
p0 129.1 ± 2792
pull
Entries 65
Mean 5.402
Std Dev 0


pull1D
Entries 65
Mean 0.03028
Std Dev 0.9033


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 5053 / 64
p0 2260 ± 1.974
2700
2600
2500
2400
2300
2200
2100
2000
1900
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
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5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
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5443. 6
5443. 7
5444. 0
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5444. 2
5444. 3
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5444. 5
5444. 6
5445. 0
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5445. 2
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5445. 5
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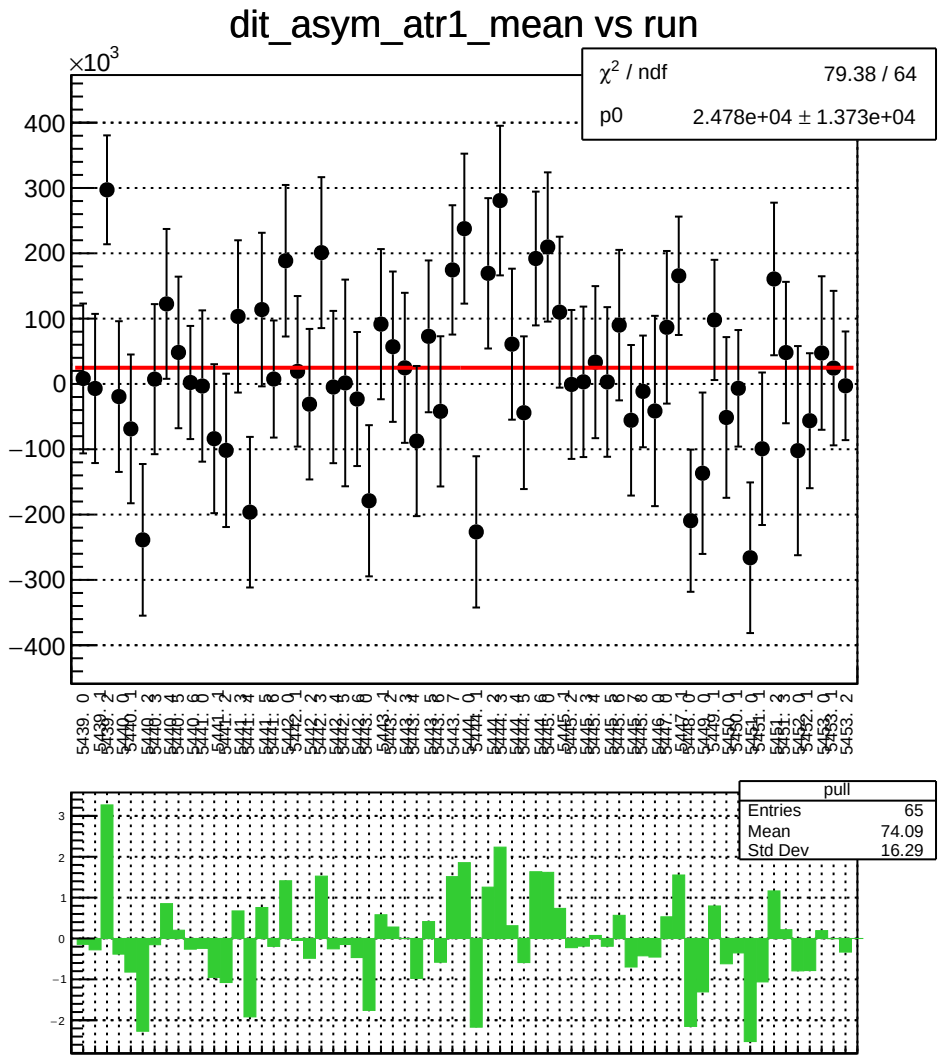
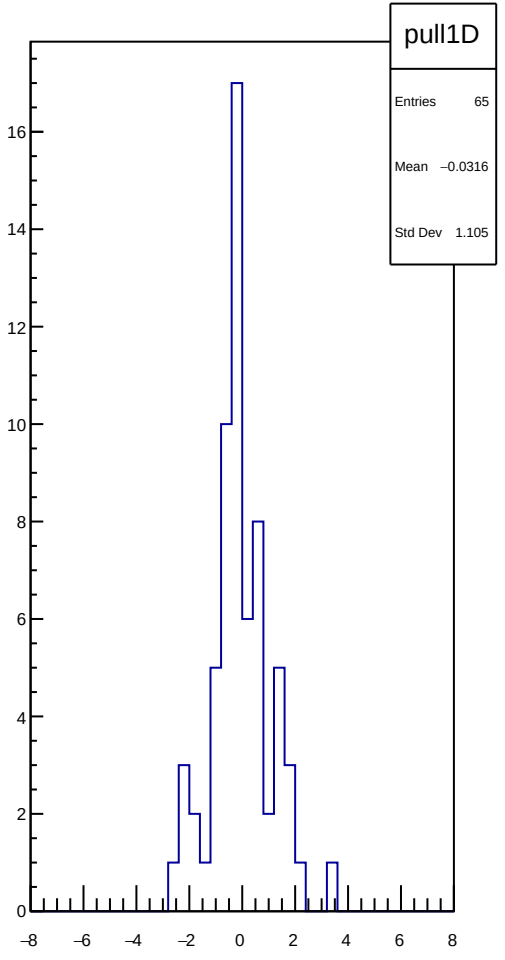
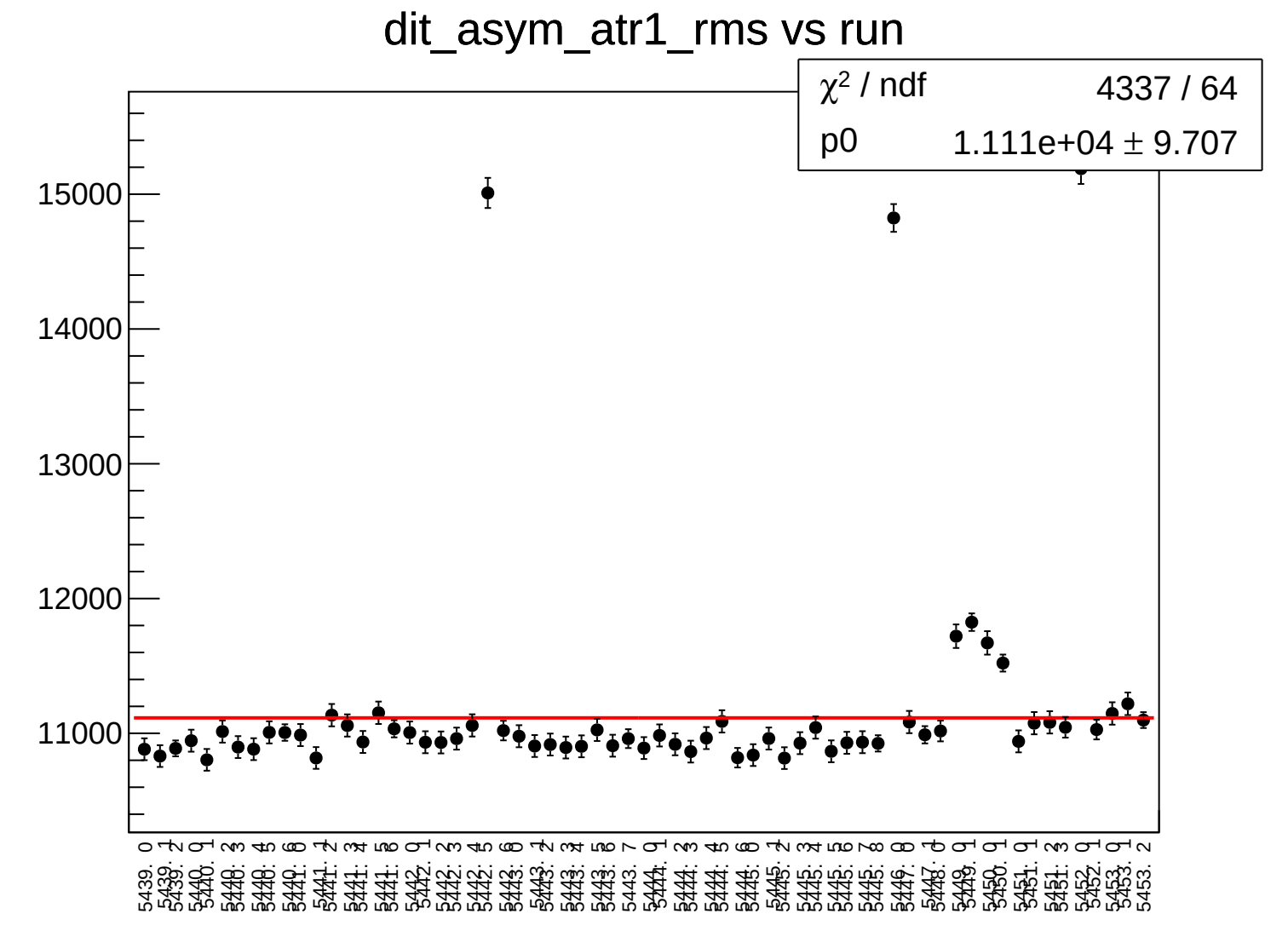
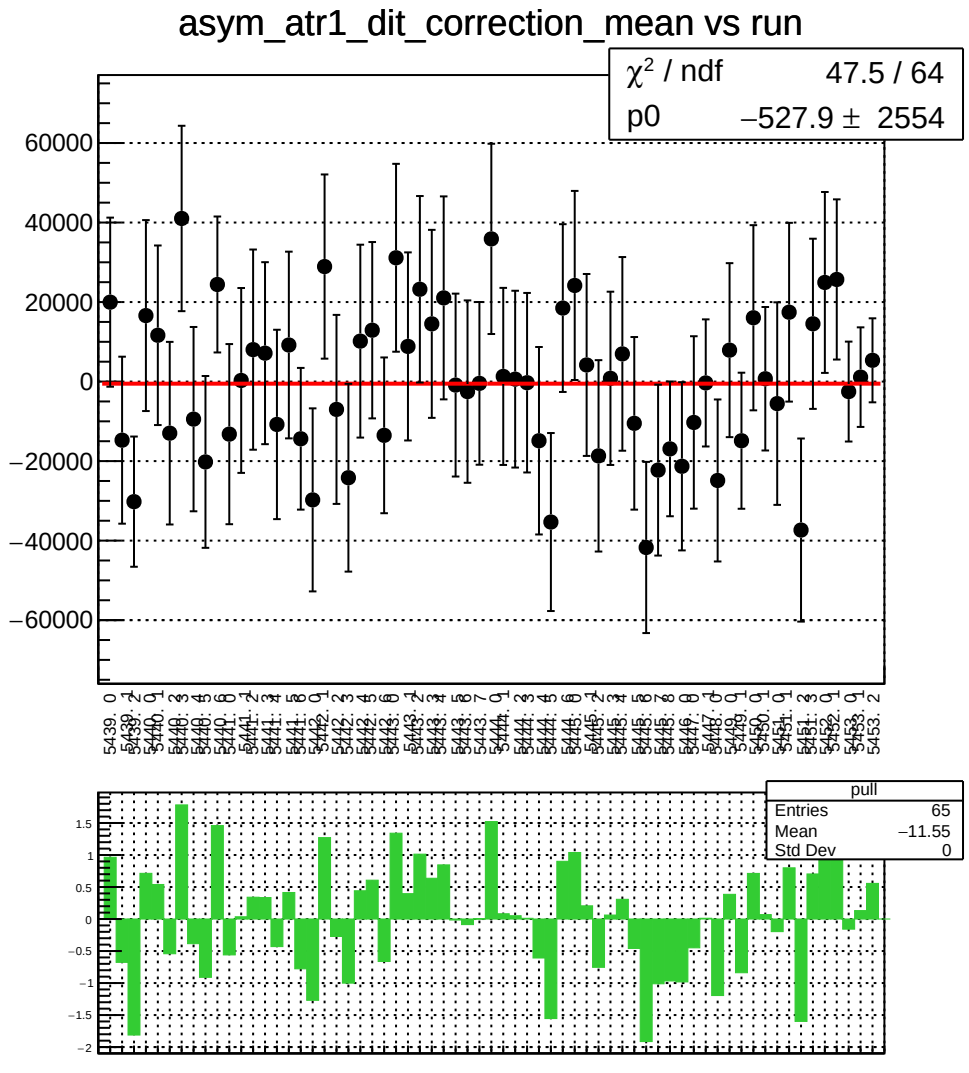
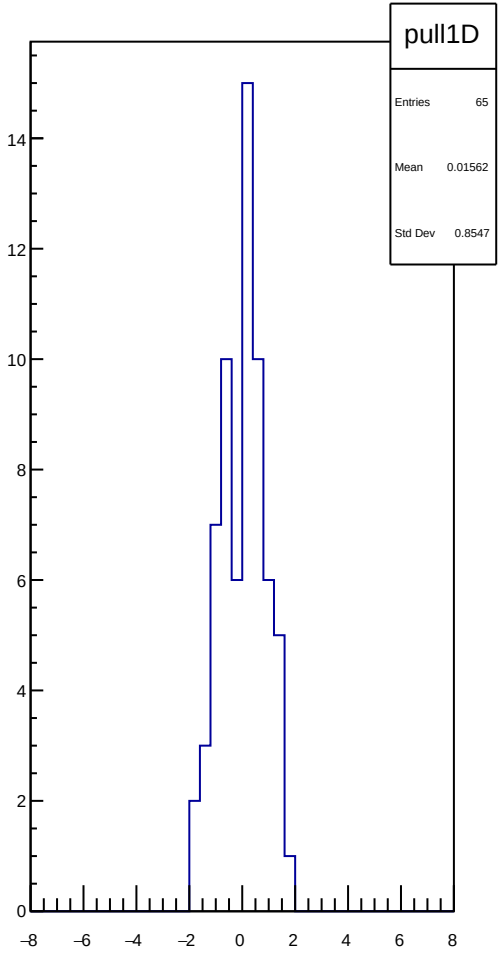
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

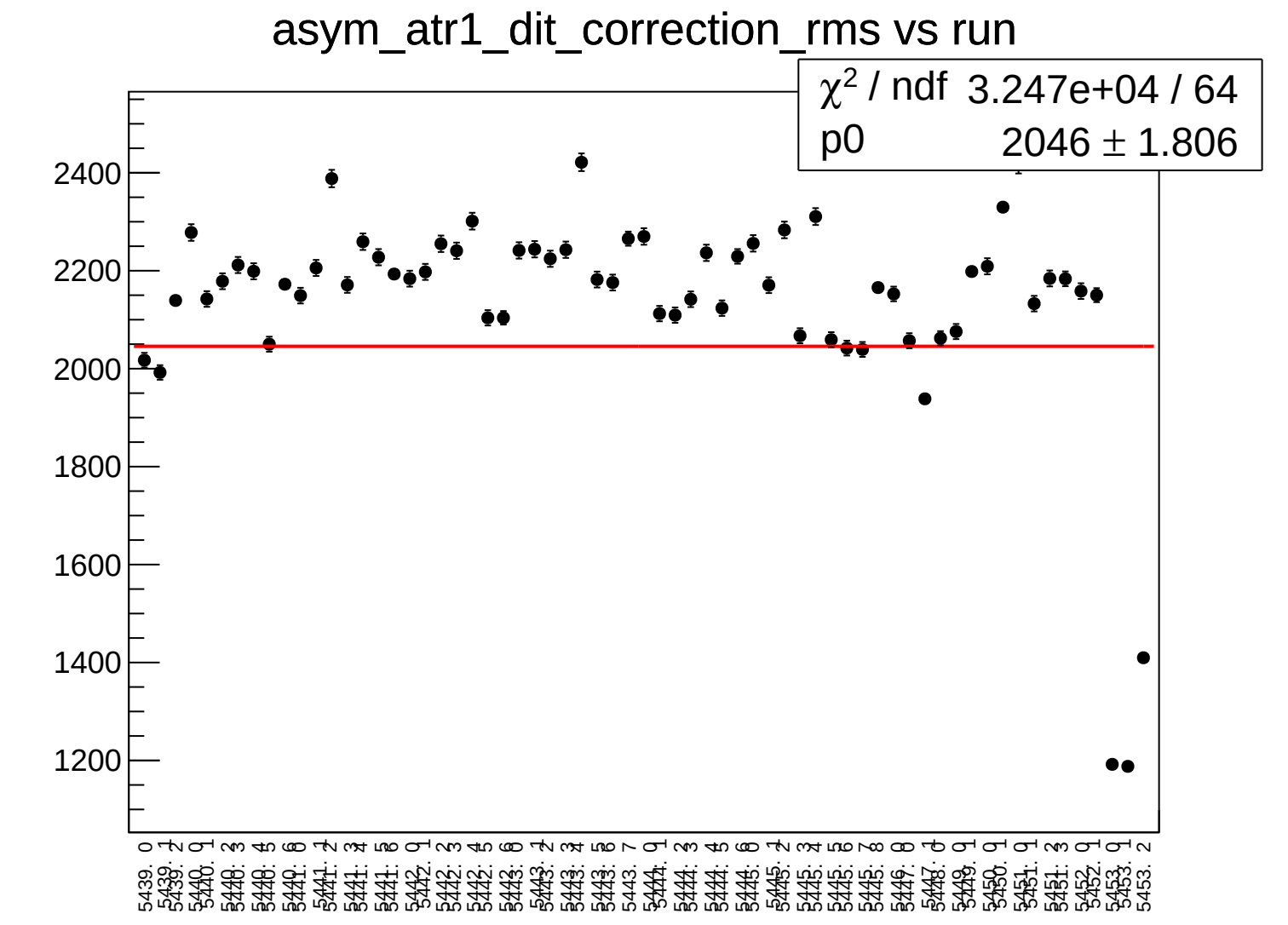

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 79.38 / 64
p0 2.478e+04 ± 1.373e+04
pull
Entries 65
Mean 74.09
Std Dev 16.29

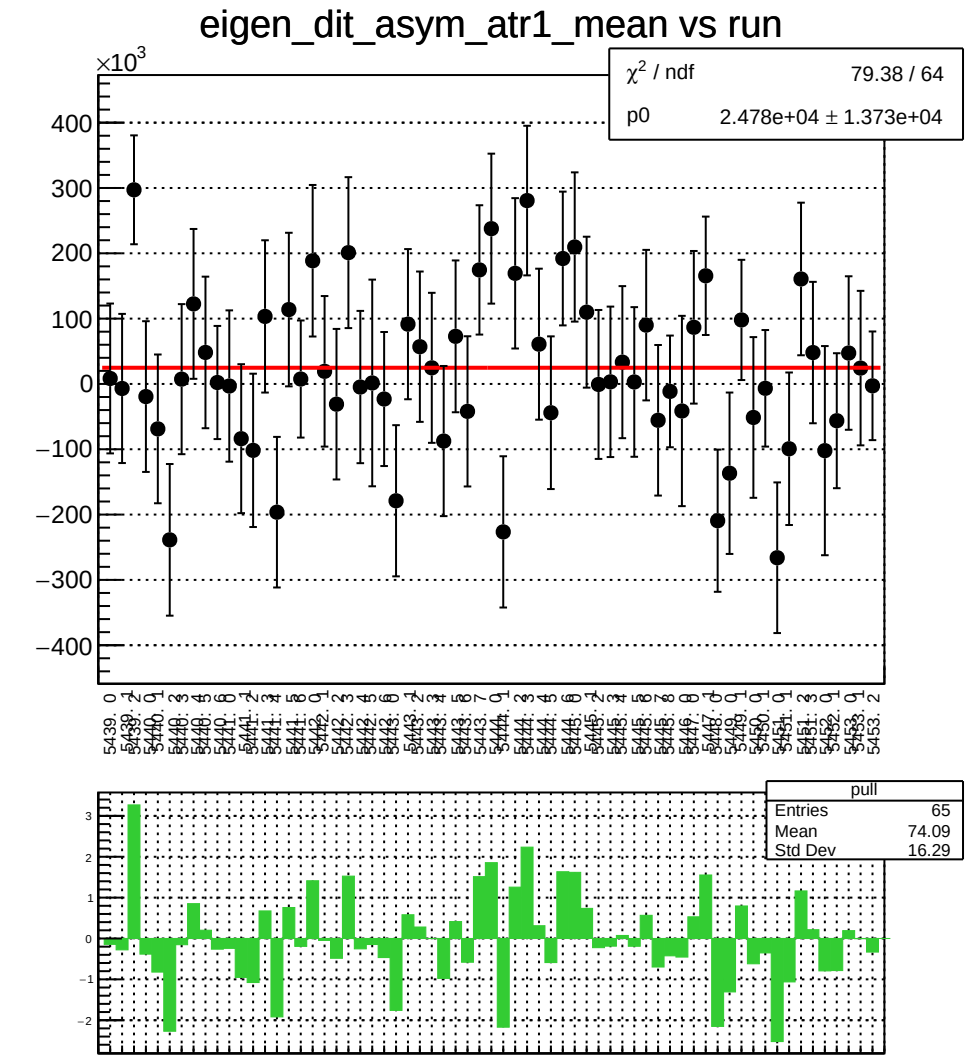

pull1D
Entries 65
Mean −0.0316
Std Dev 1.105

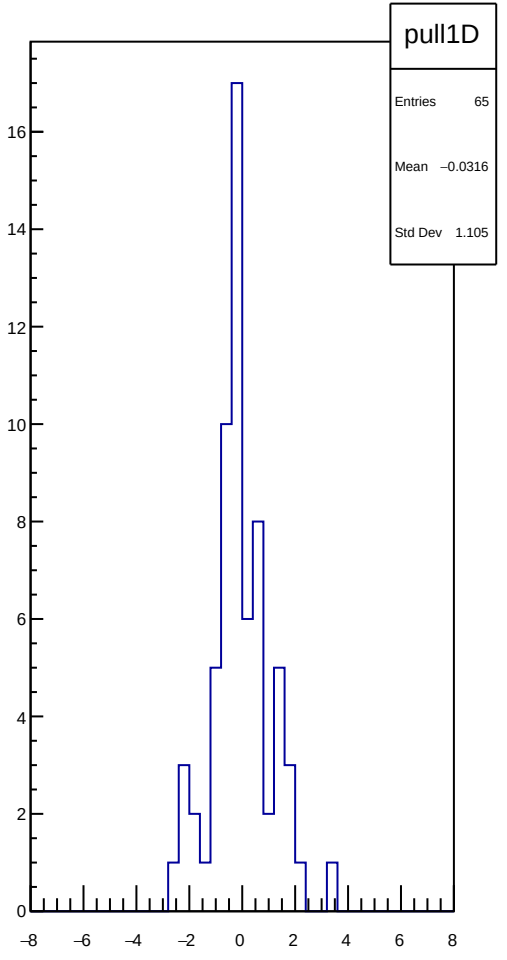

dit_asym_atr1_rms vs run
χ² / ndf 4337 / 64
p0 1.111e+04 ± 9.707
15000
14000
13000
12000
11000

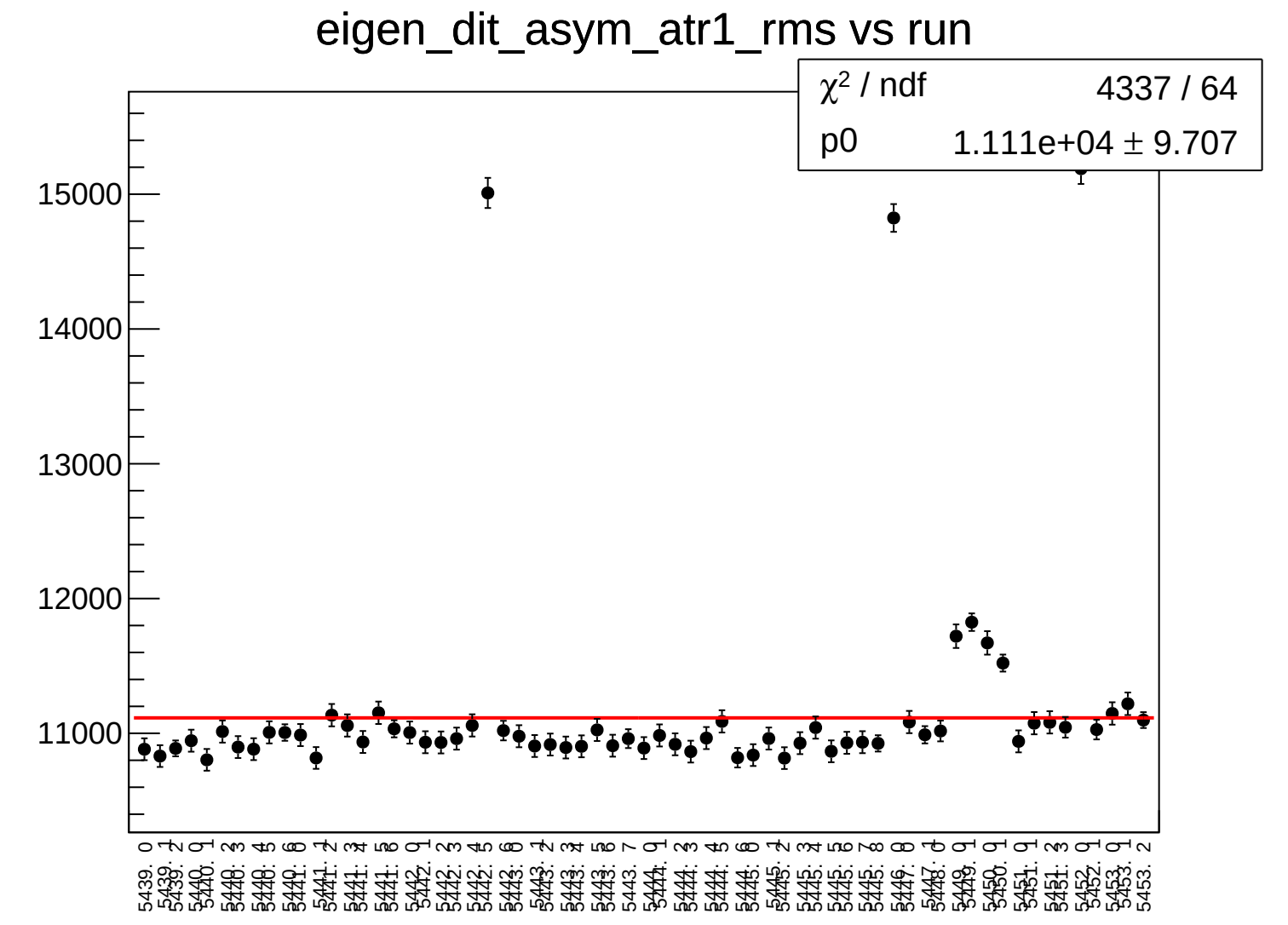

asym_atr1_dit_correction_mean vs run
χ² / ndf 47.5 / 64
p0 −527.9 ± 2554
pull
Entries 65
Mean −11.55
Std Dev 0

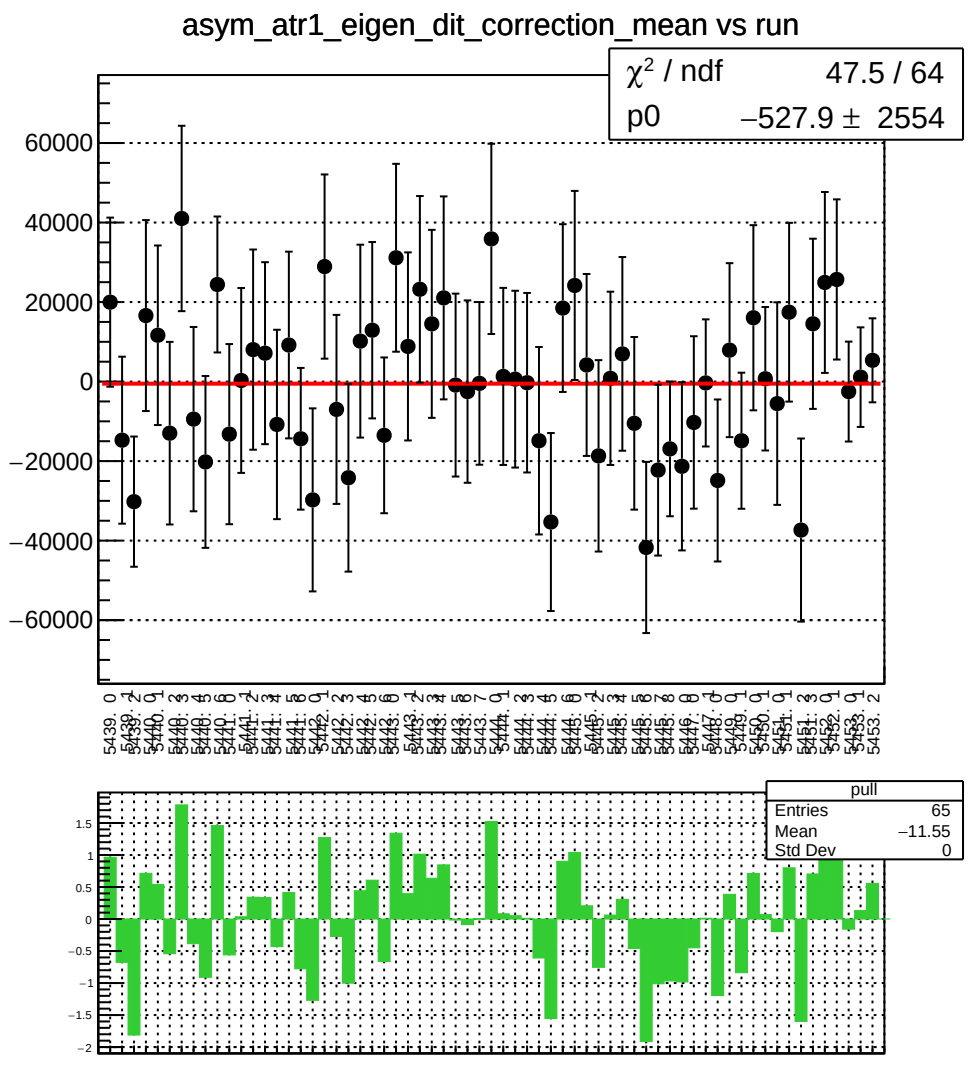

pull1D
Entries 65
Mean 0.01562
Std Dev 0.8547

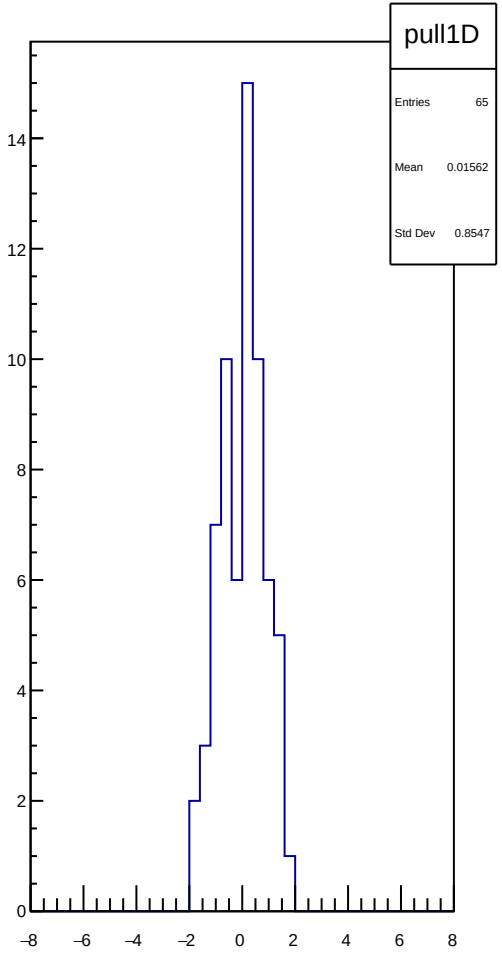

asym_atr1_dit_correction_rms vs run
χ² / ndf 3.247e+04 / 64
p0 2046 ± 1.806
2400
2200
2000
1800
1600
1400
1200

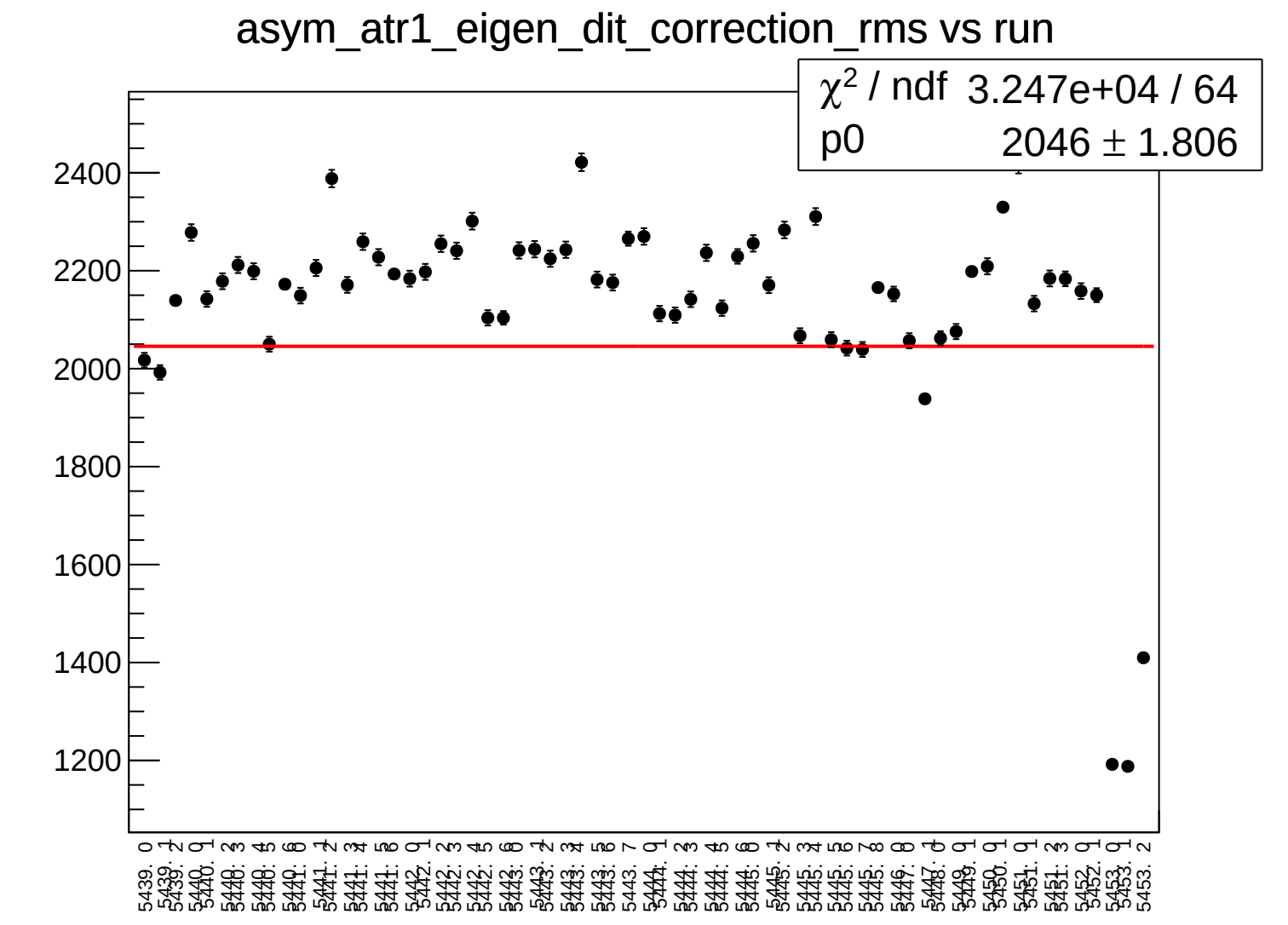

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 79.38 / 64
p0 2.478e+04 ± 1.373e+04
pull
Entries 65
Mean 74.09
Std Dev 16.29

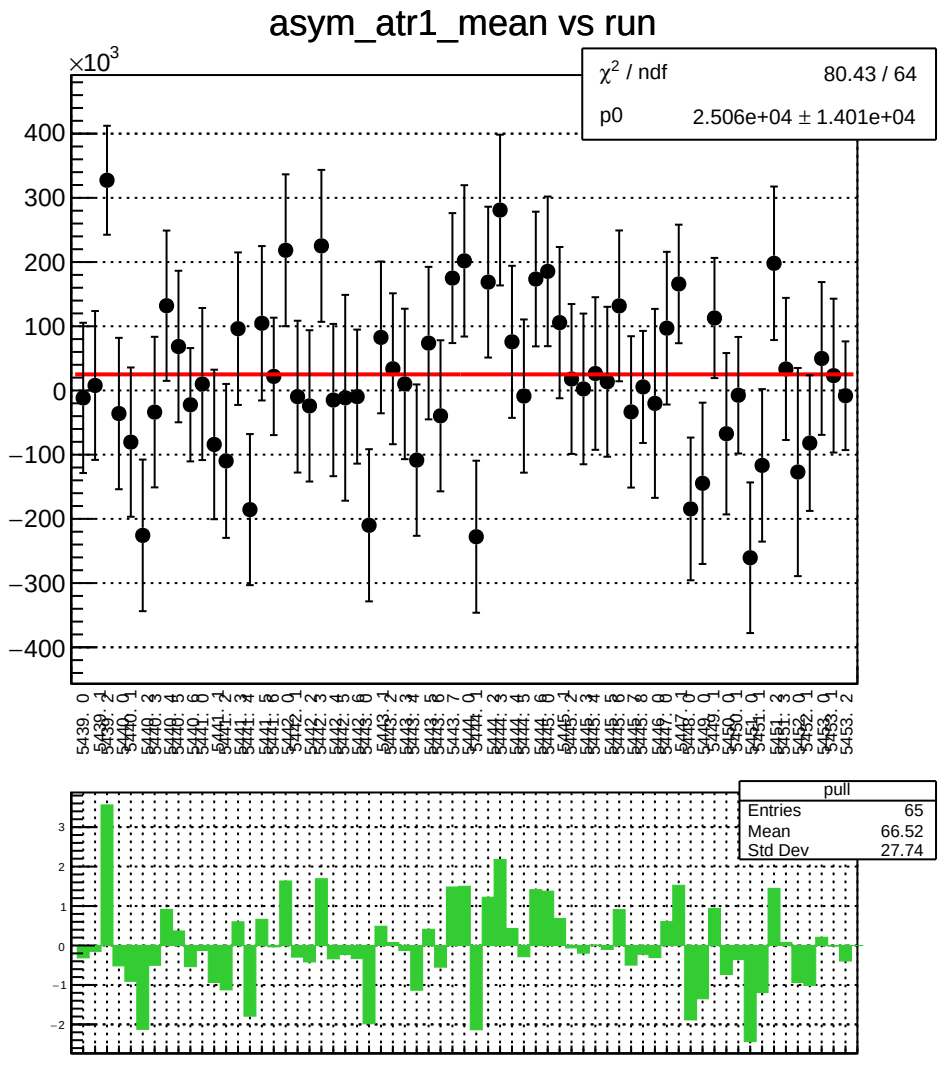

pull1D
Entries 65
Mean −0.0316
Std Dev 1.105

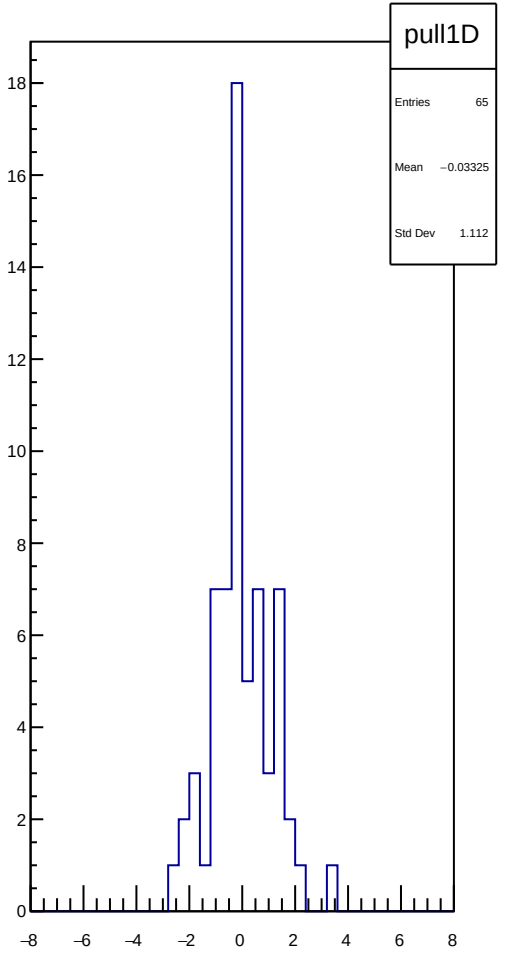

eigen_dit_asym_atr1_rms vs run
χ² / ndf 4337 / 64
p0 1.111e+04 ± 9.707
15000
14000
13000
12000
11000

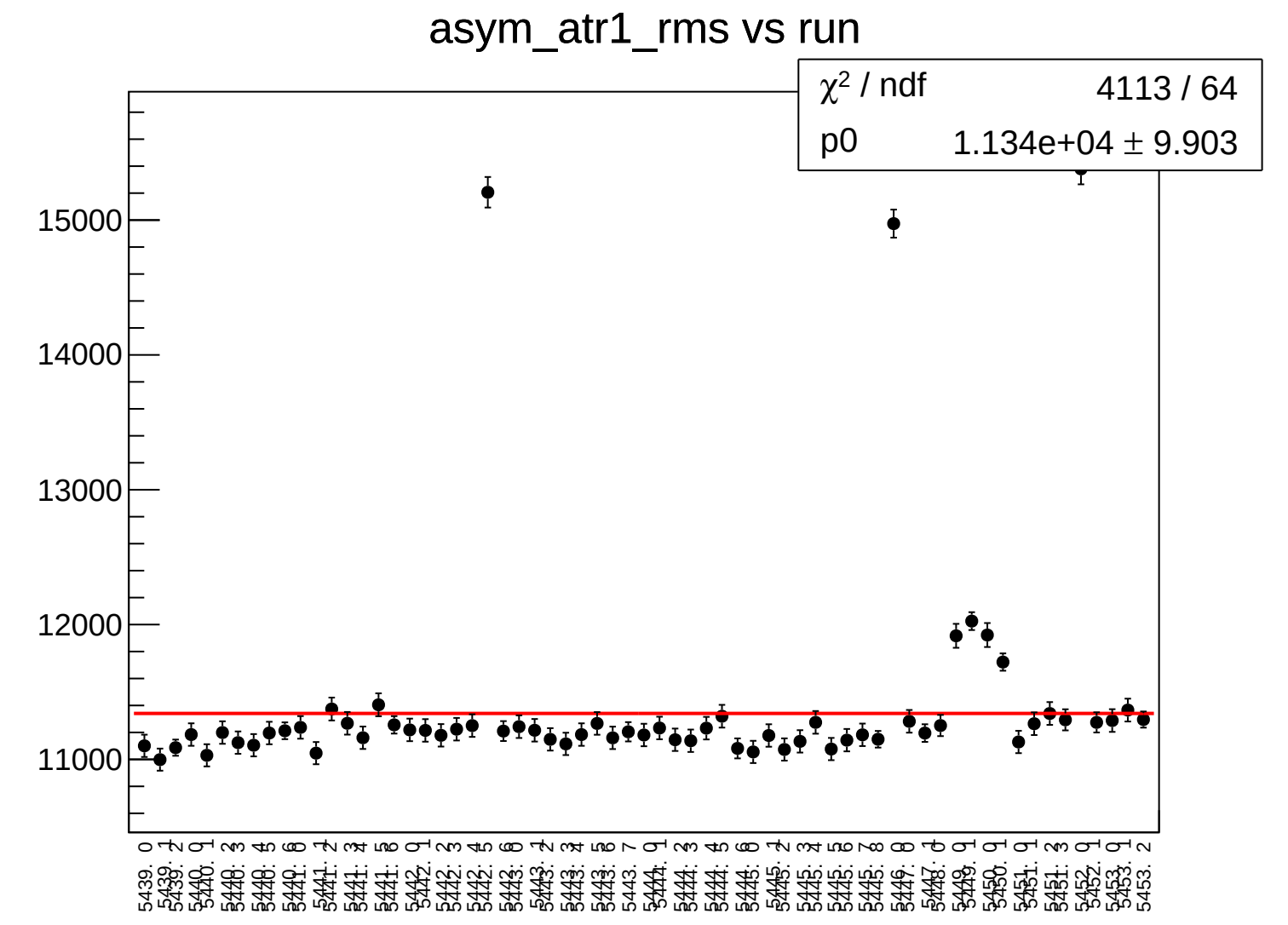

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 47.5 / 64
p0 −527.9 ± 2554
pull
Entries 65
Mean −11.55
Std Dev 0

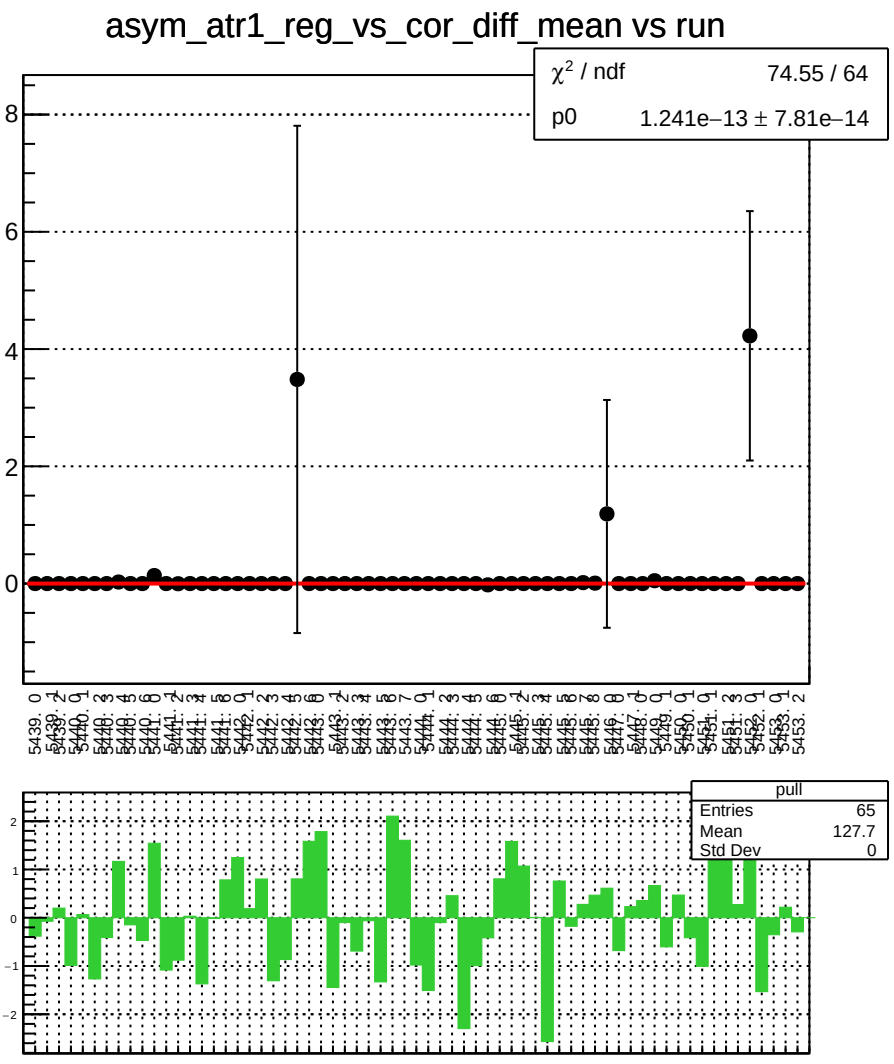

pull1D
Entries 65
Mean 0.01562
Std Dev 0.8547

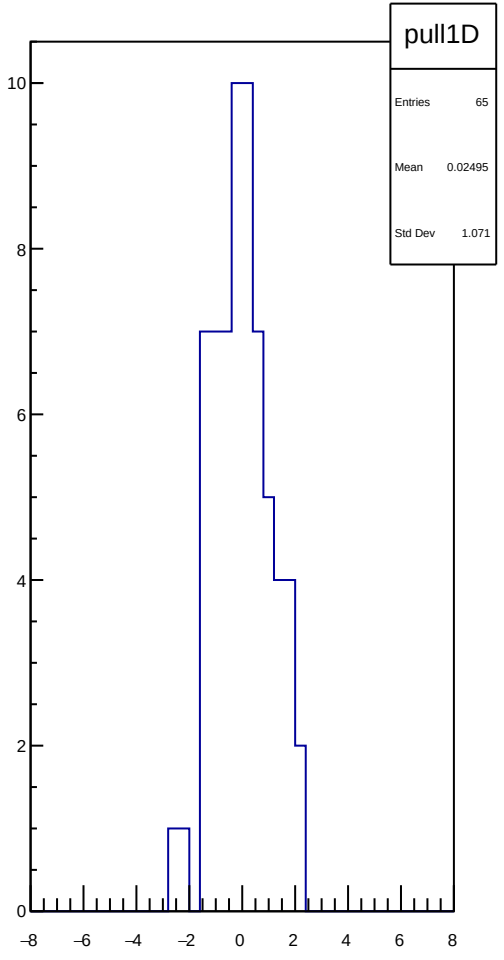

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 3.247e+04 / 64
p0 2046 ± 1.806
2400
2200
2000
1800
1600
1400
1200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

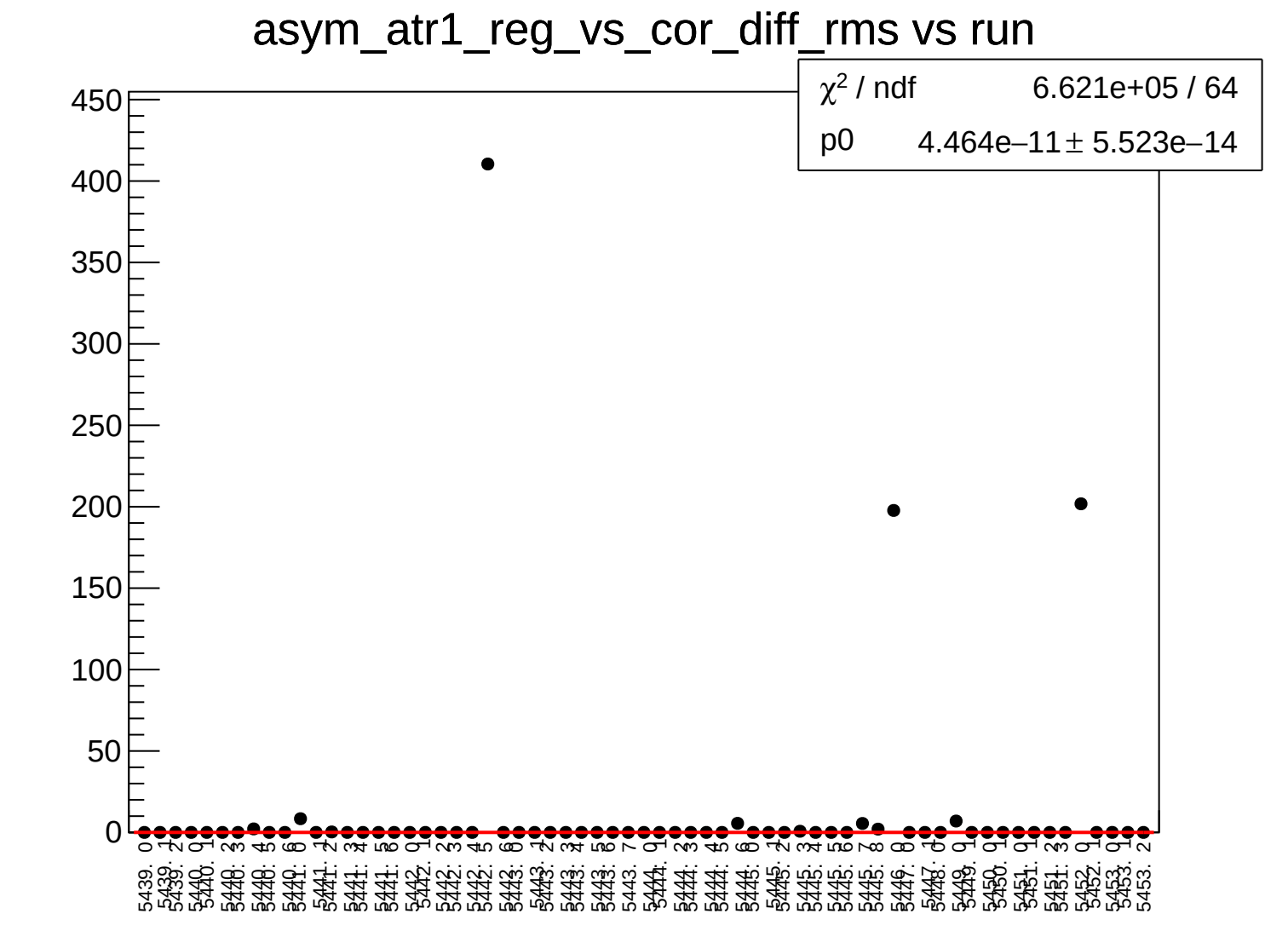

asym_atr1_mean vs run
×10^3
χ² / ndf 80.43 / 64
p0 2.506e+04 ± 1.401e+04
pull
Entries 65
Mean 66.52
Std Dev 27.74

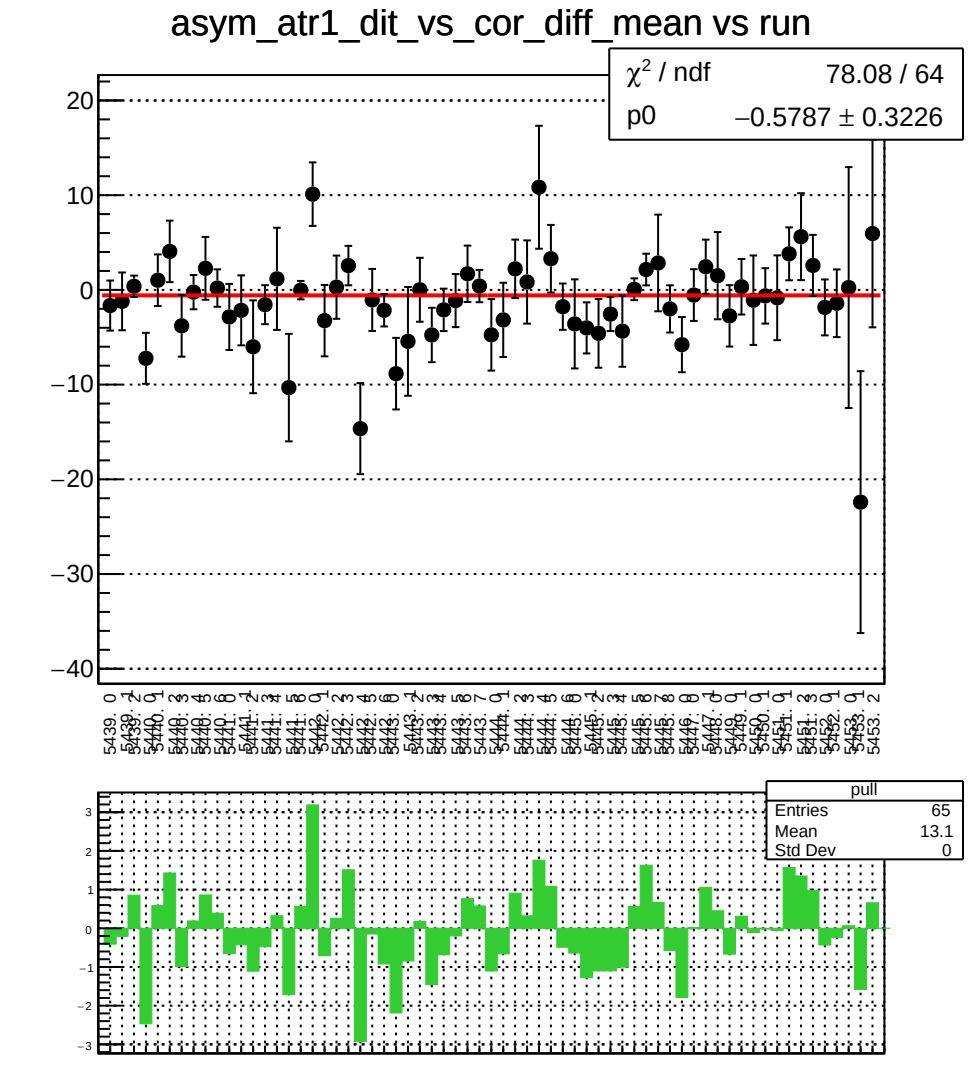

pull1D
Entries 65
Mean −0.03325
Std Dev 1.112

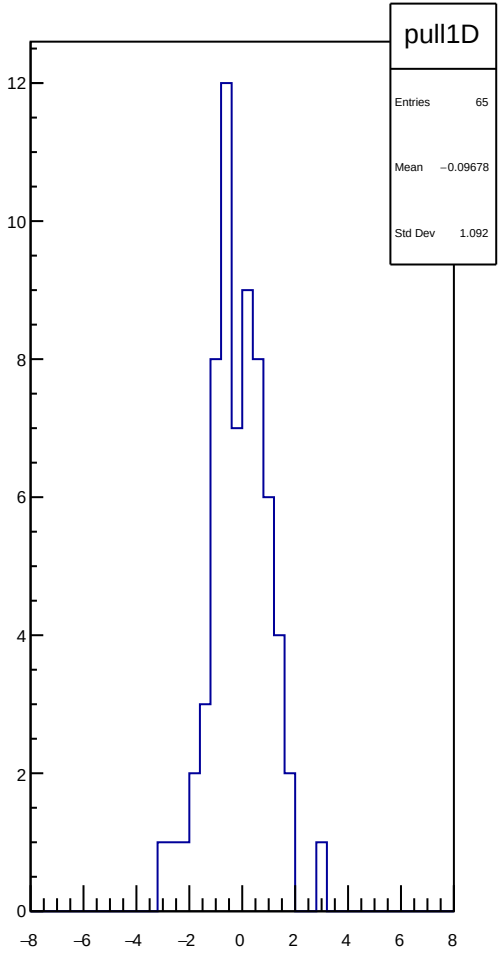

asym_atr1_rms vs run
χ² / ndf 4113 / 64
p0 1.134e+04 ± 9.903
15000
14000
13000
12000
11000

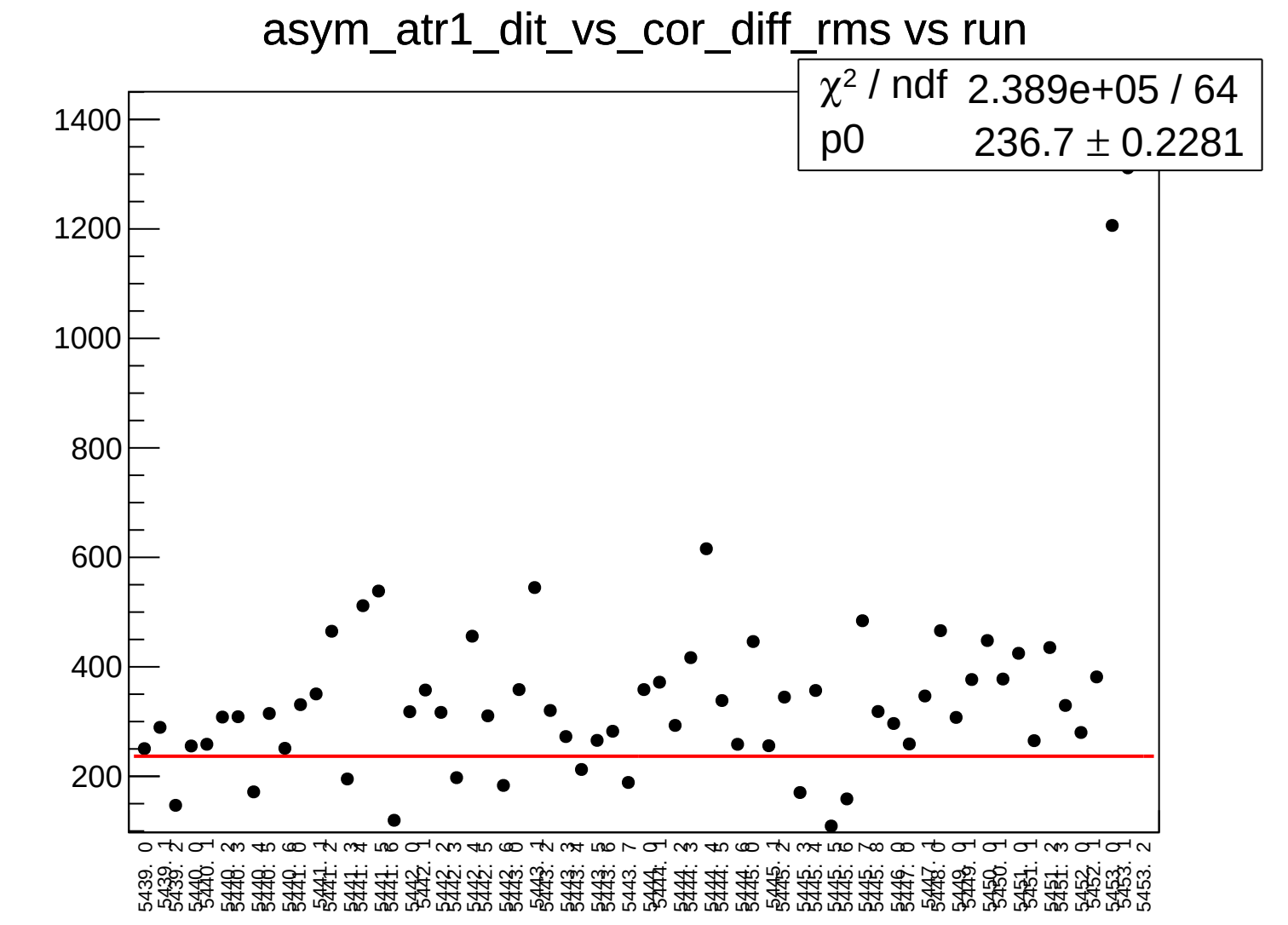

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 74.55 / 64
p0 1.241e−13 ± 7.81e−14
pull
Entries 65
Mean 127.7
Std Dev 0

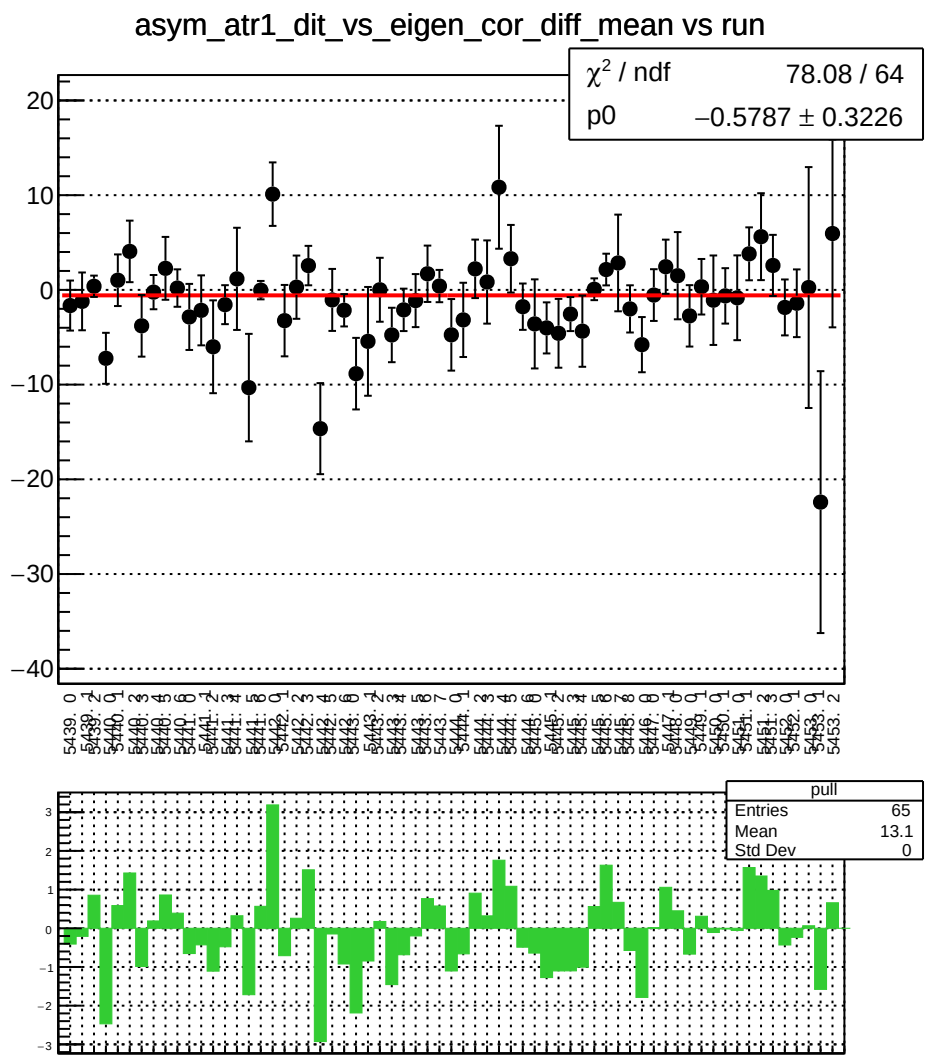

pull1D
Entries 65
Mean 0.02495
Std Dev 1.071

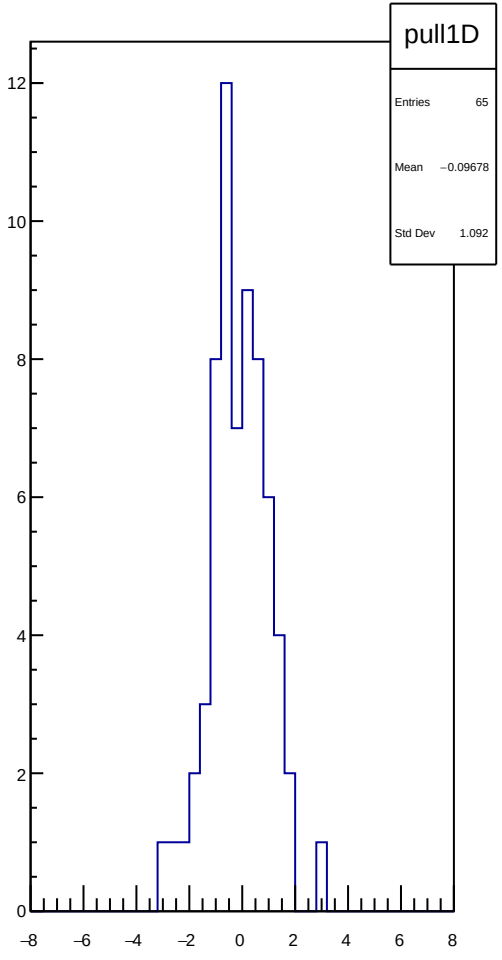

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.621e+05 / 64
p0 4.464e−11 ± 5.523e−14
450
400
350
300
250
200
150
100
50
0

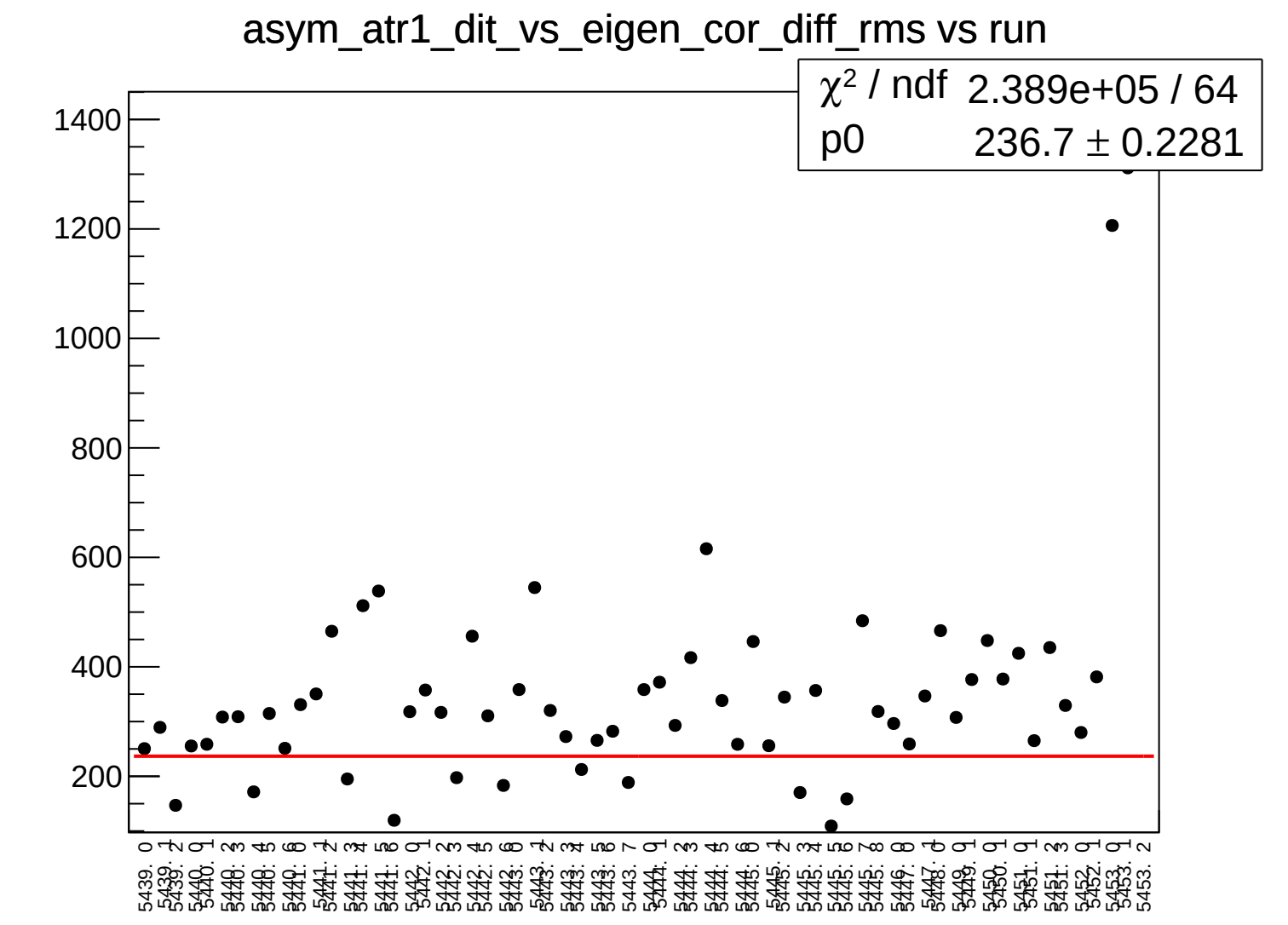

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 78.08 / 64
p0 −0.5787 ± 0.3226
pull
Entries 65
Mean 13.1
Std Dev 0

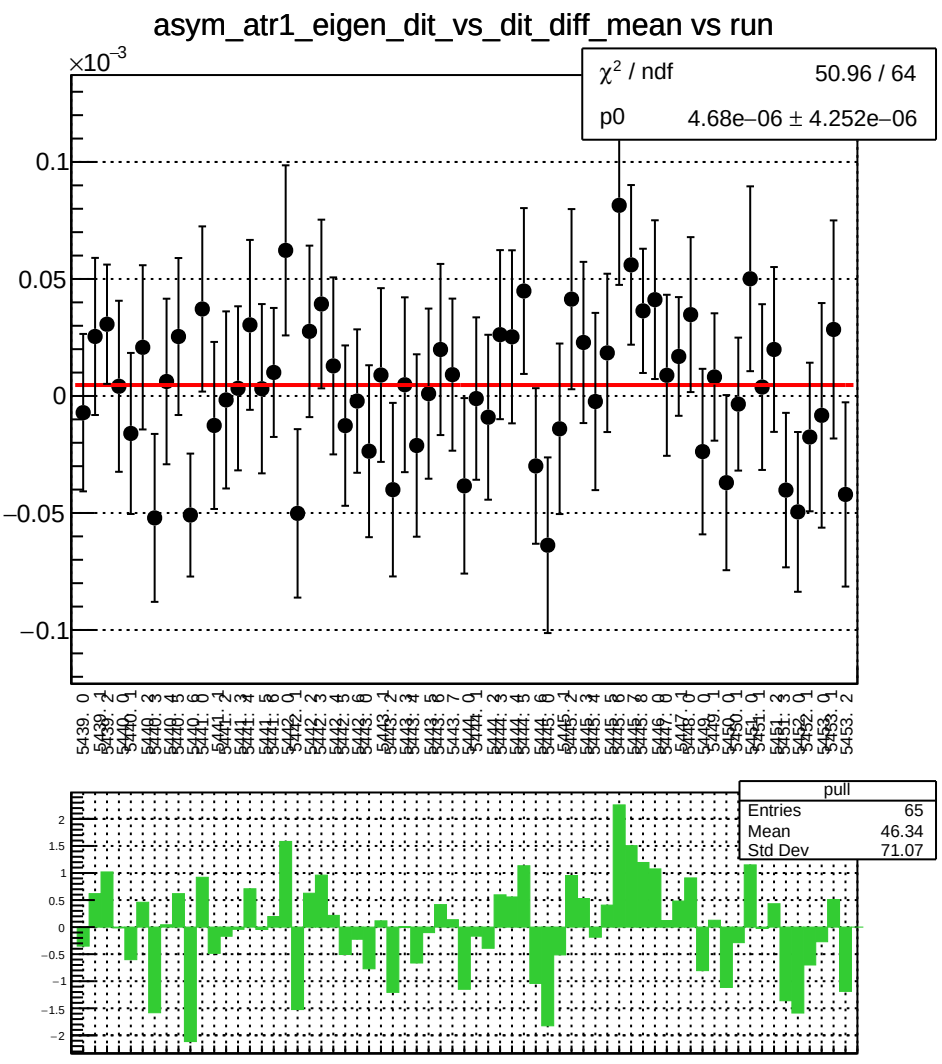

pull1D
Entries 65
Mean −0.09678
Std Dev 1.092

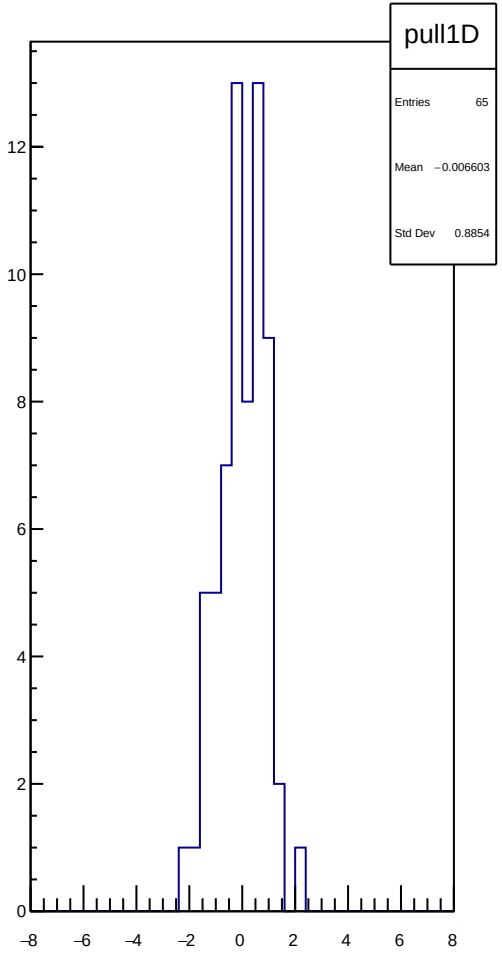

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.389e+05 / 64
p0 236.7 ± 0.2281
1400
1200
1000
800
600
400
200

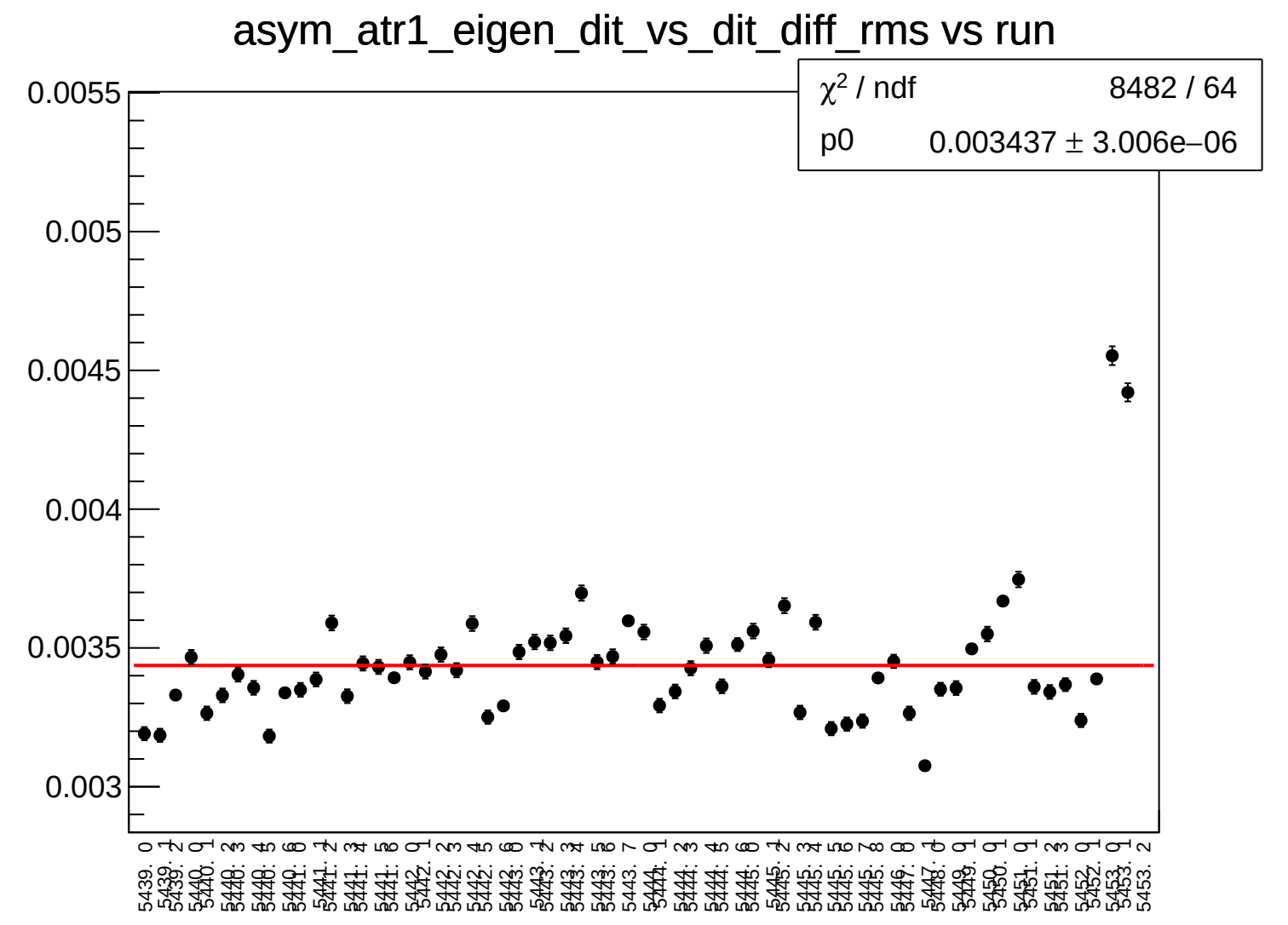

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.08 / 64
p0 −0.5787 ± 0.3226
pull
Entries 65
Mean 13.1
Std Dev 0

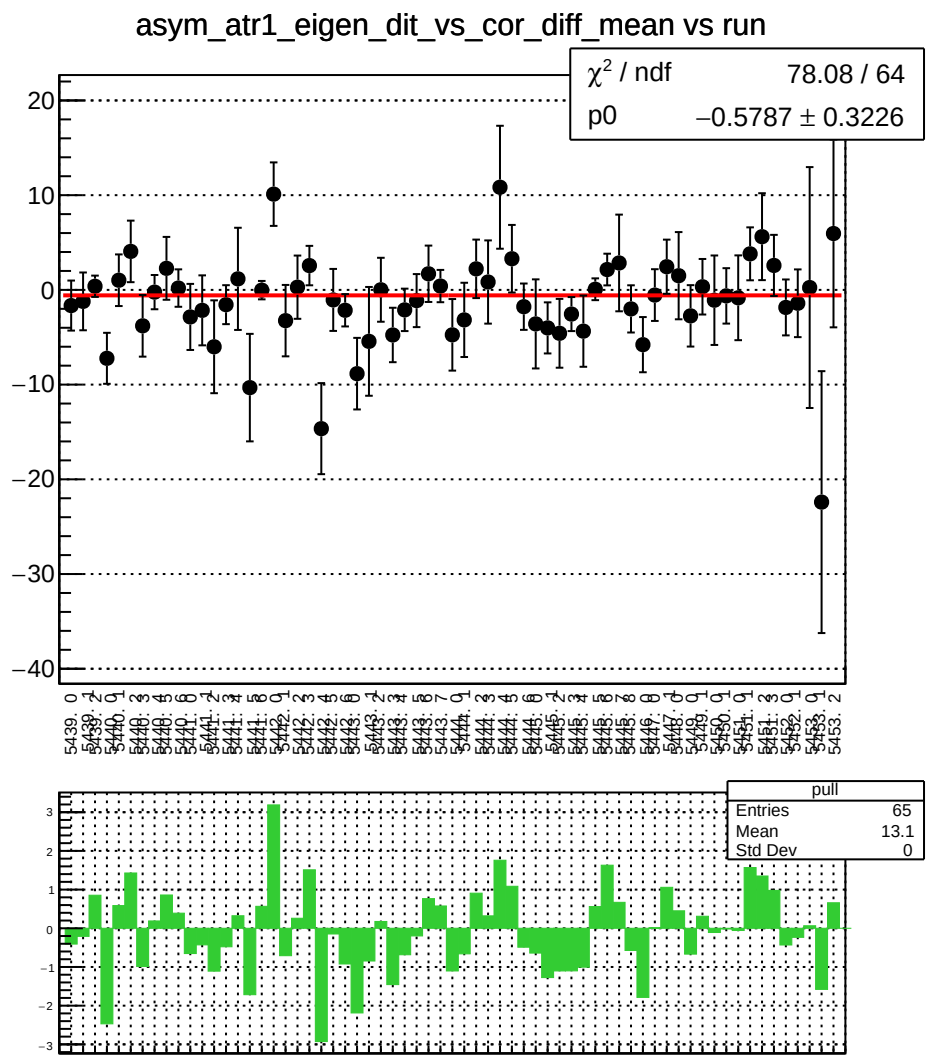

pull1D
Entries 65
Mean −0.09678
Std Dev 1.092

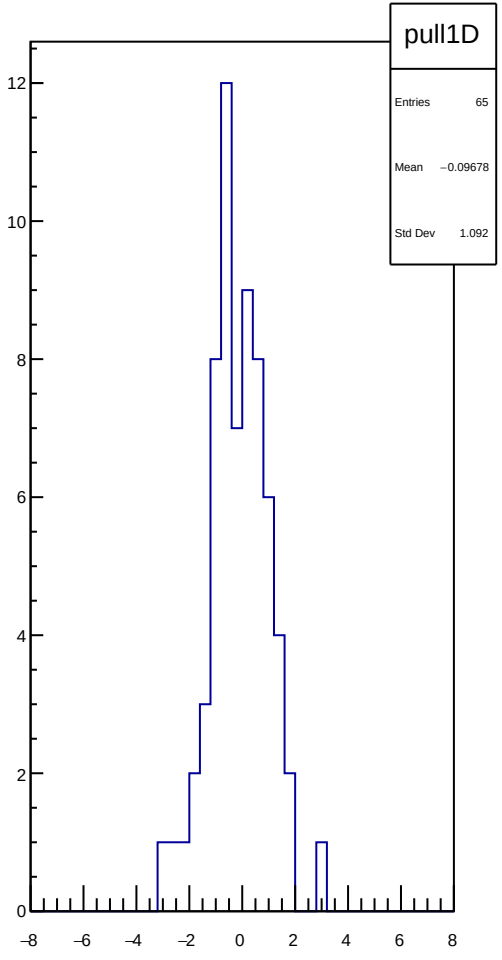

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.389e+05 / 64
p0 236.7 ± 0.2281
1400
1200
1000
800
600
400
200

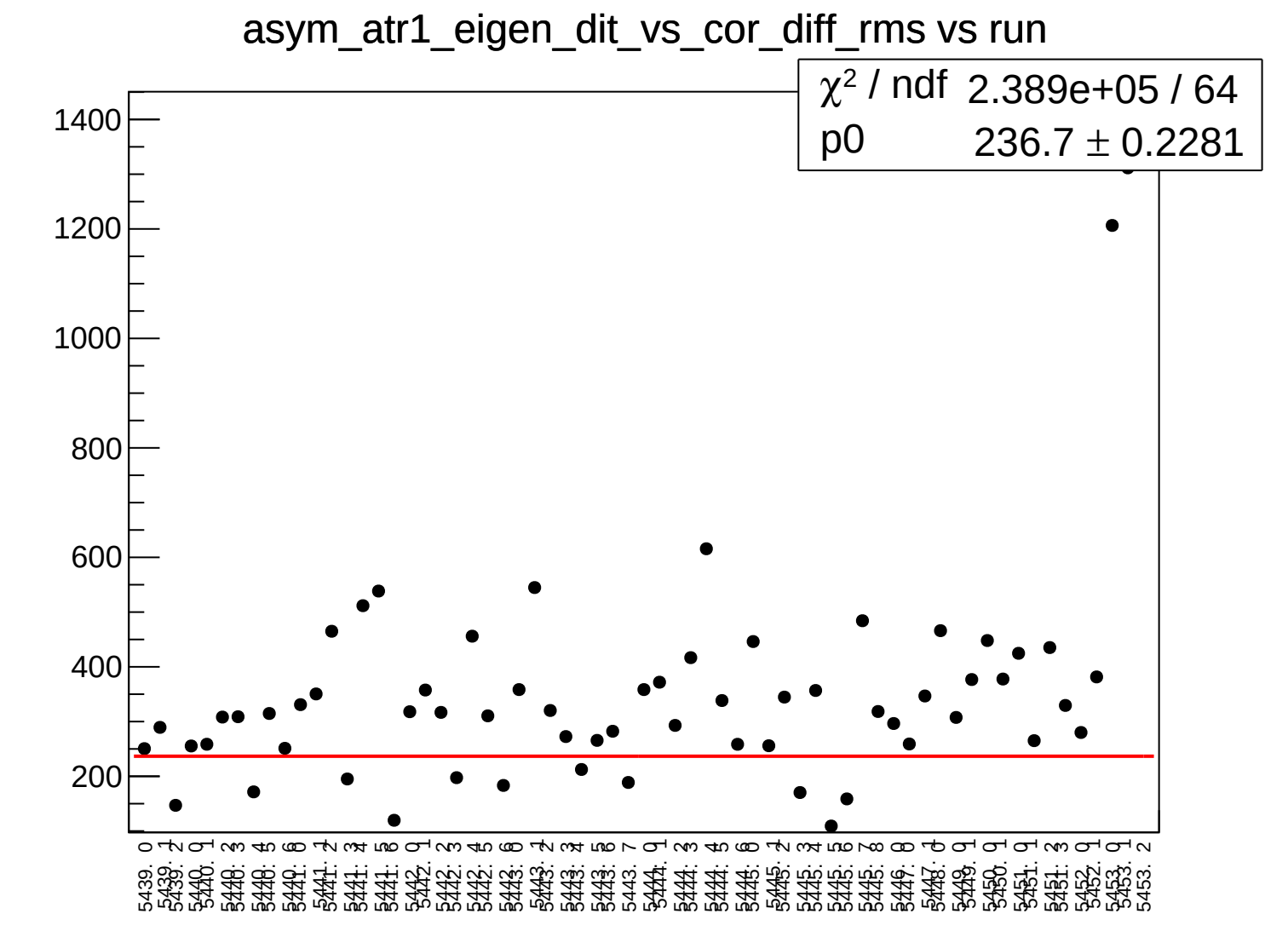

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.96 / 64
p0 4.68e−06 ± 4.252e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 65
Mean 46.34
Std Dev 71.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

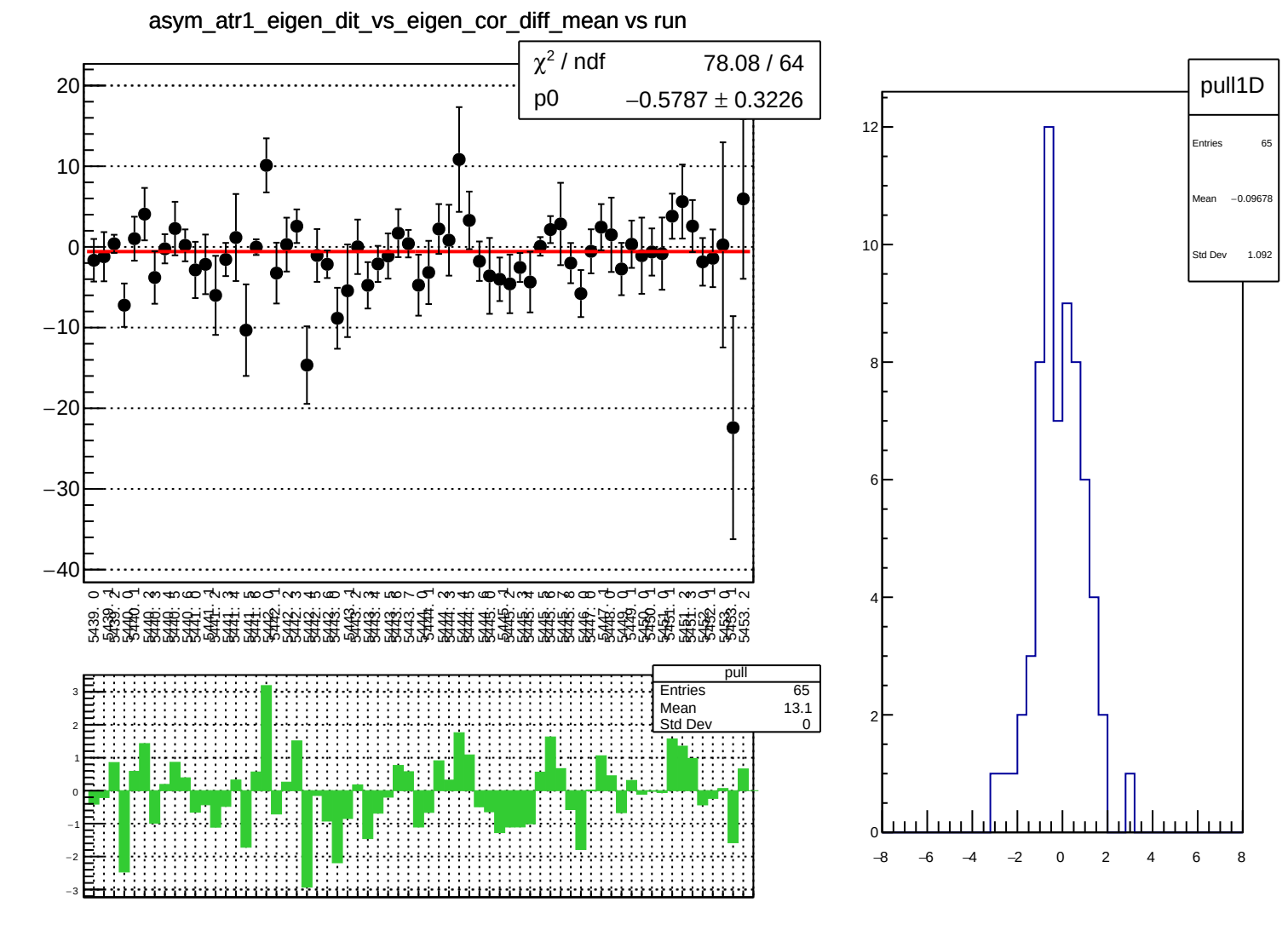

pull1D
Entries 65
Mean −0.006603
Std Dev 0.8854
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

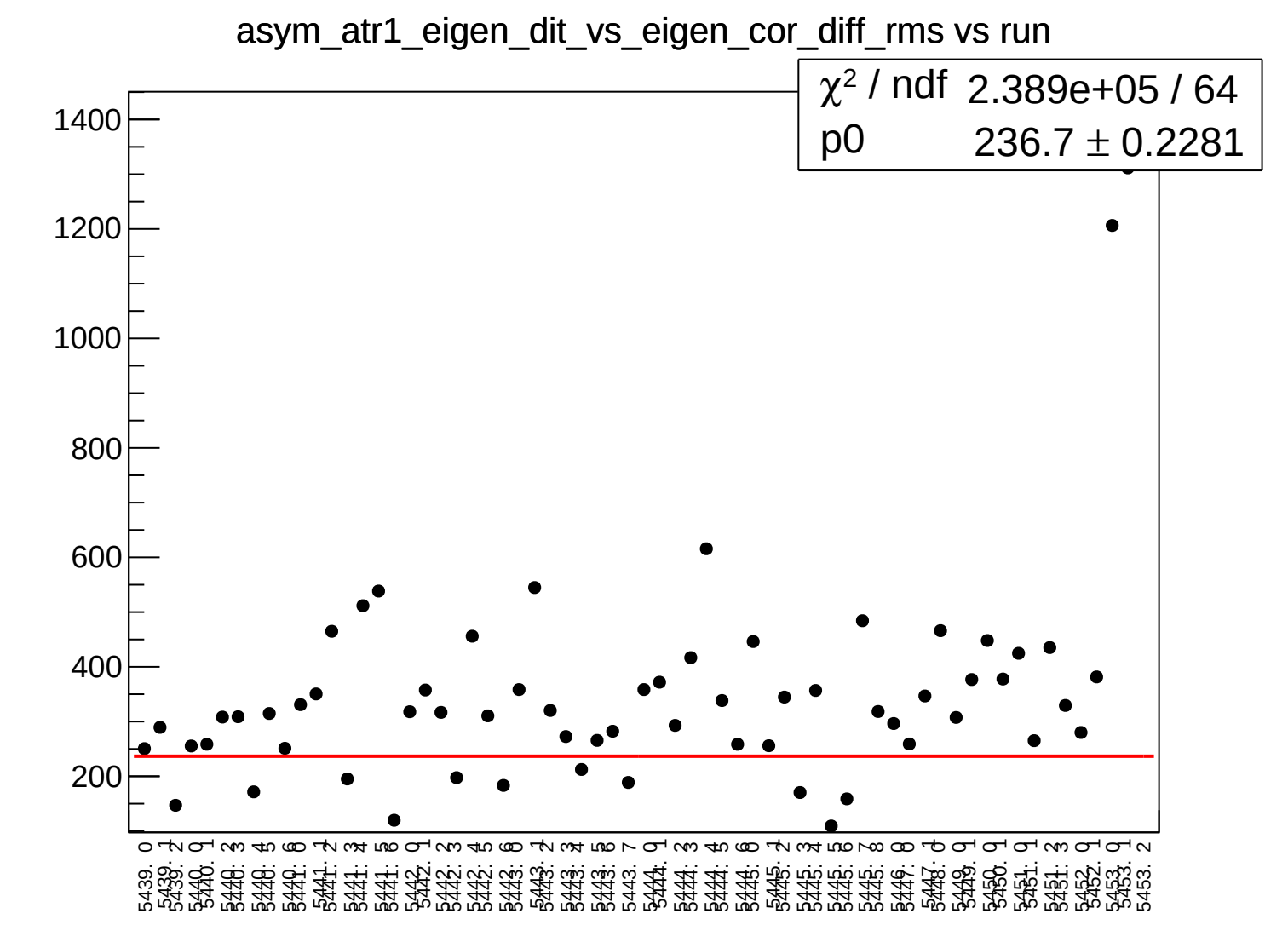

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8482 / 64
p0 0.003437 ± 3.006e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003

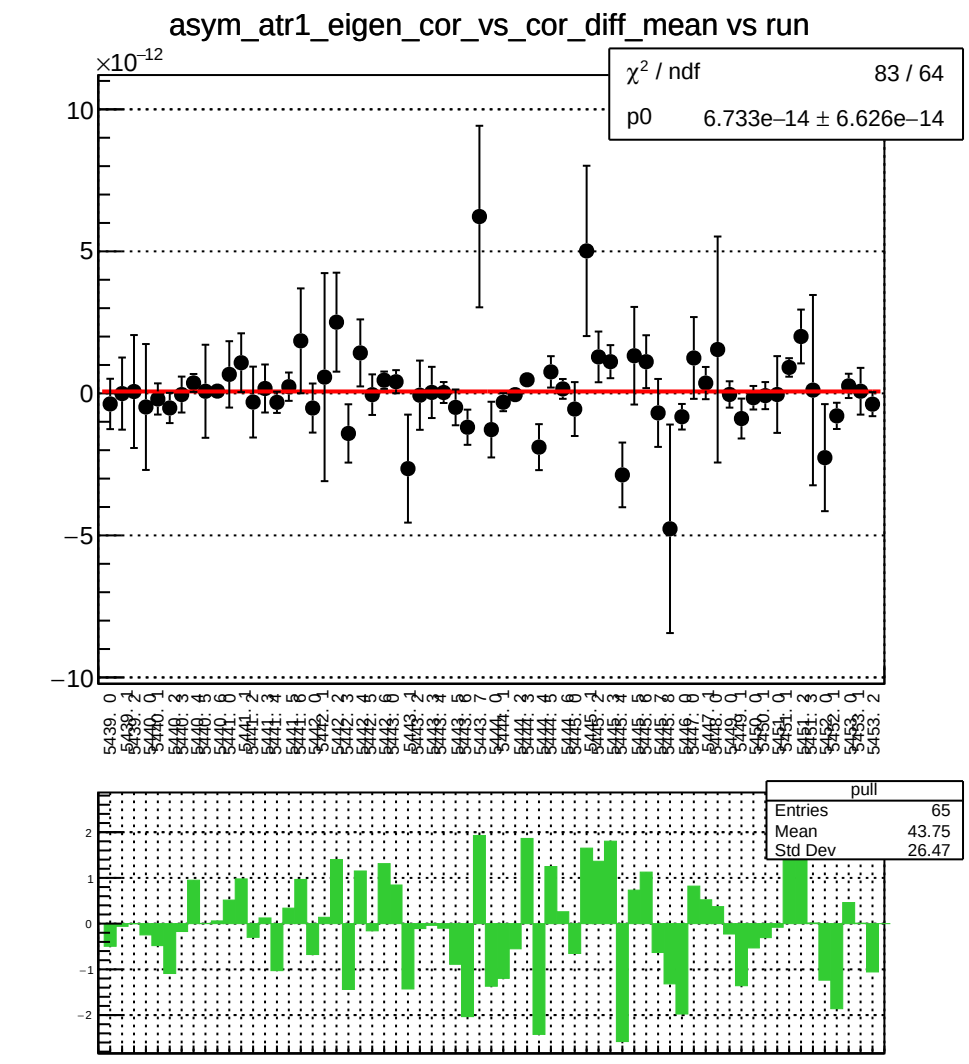

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.08 / 64
p0 −0.5787 ± 0.3226
pull
Entries 65
Mean 13.1
Std Dev 0

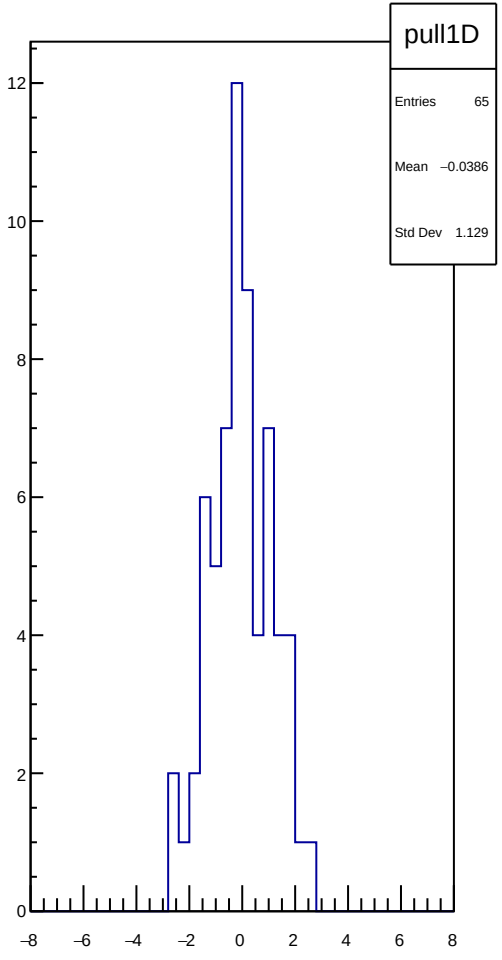

pull1D
Entries 65
Mean −0.09678
Std Dev 1.092

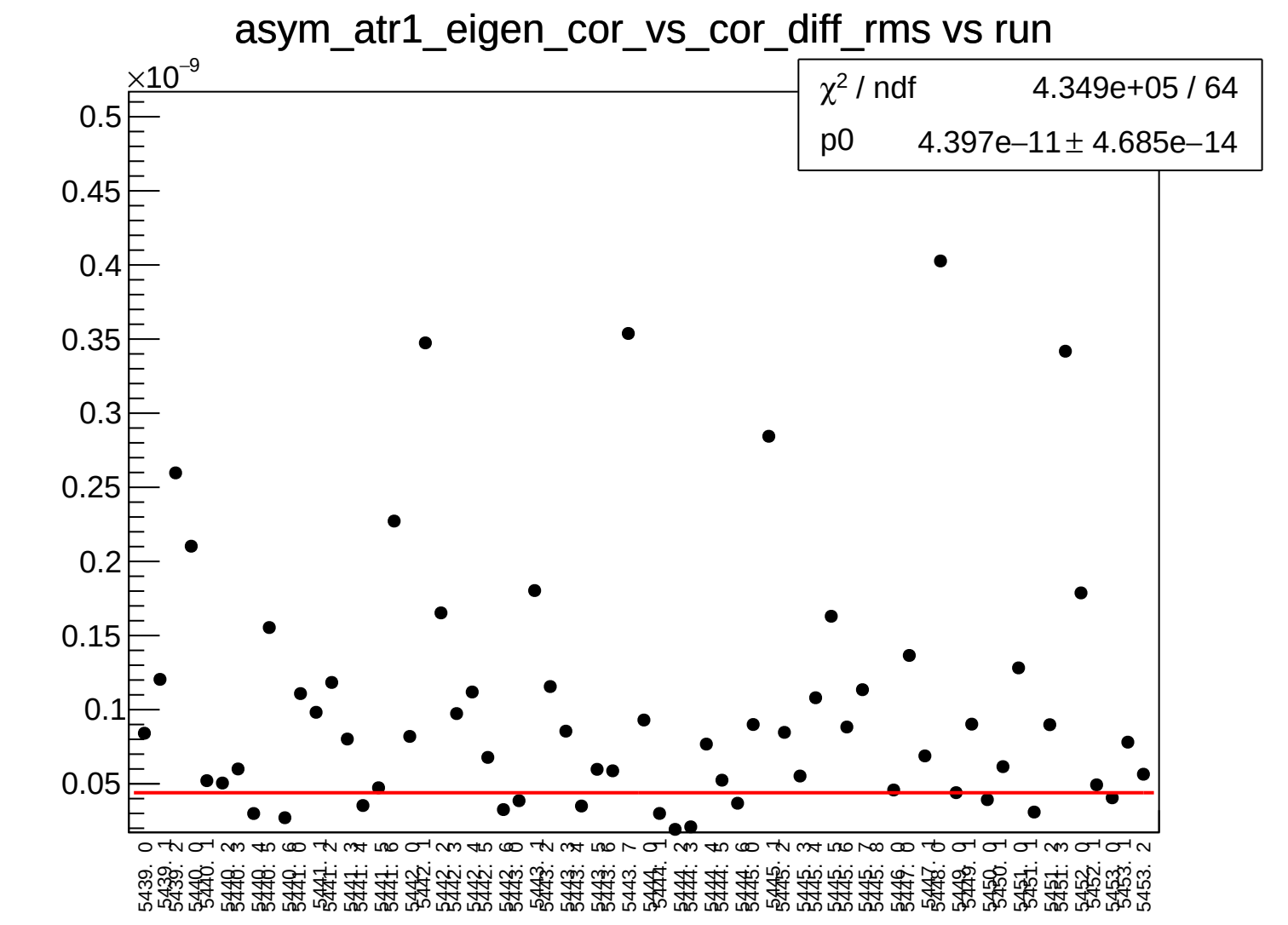

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.389e+05 / 64
p0 236.7 ± 0.2281
1400
1200
1000
800
600
400
200

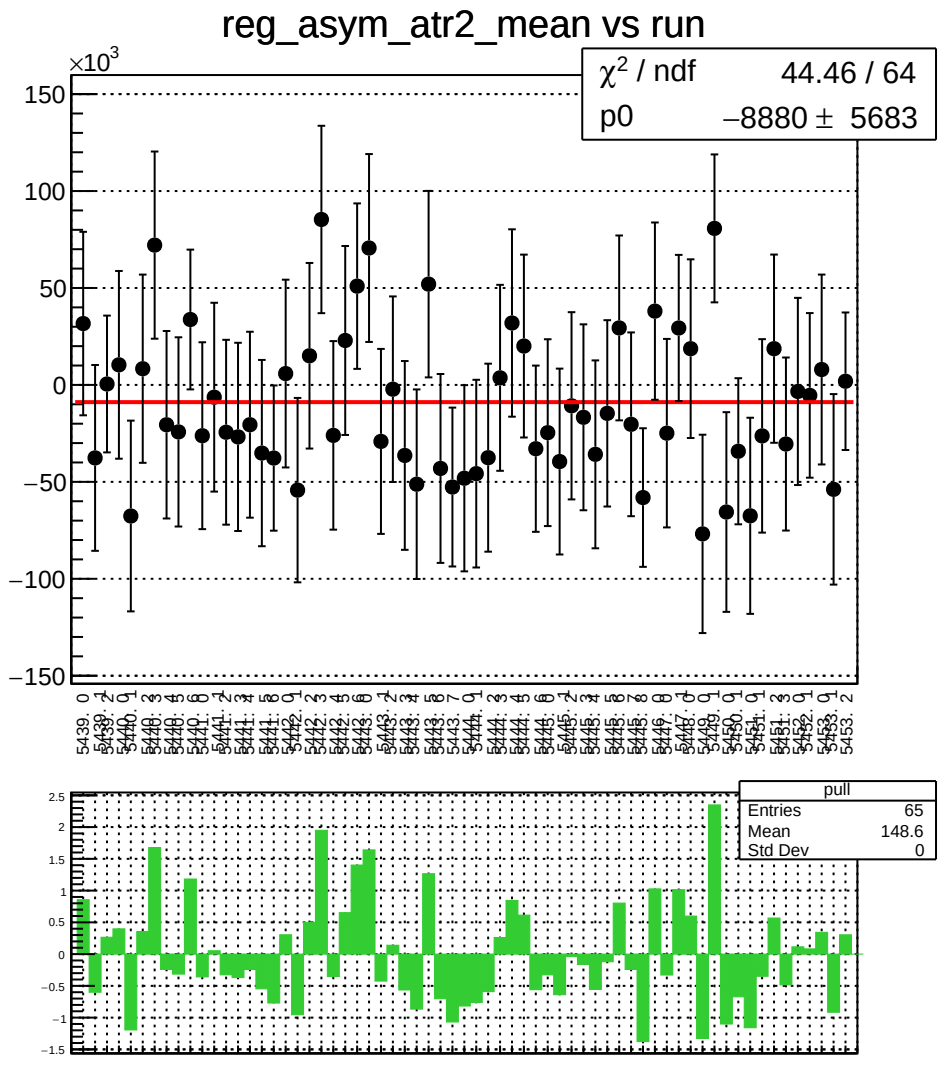

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.08 / 64
p0 −0.5787 ± 0.3226
pull
Entries 65
Mean 13.1
Std Dev 0
pull1D
Entries 65
Mean −0.09678
Std Dev 1.092

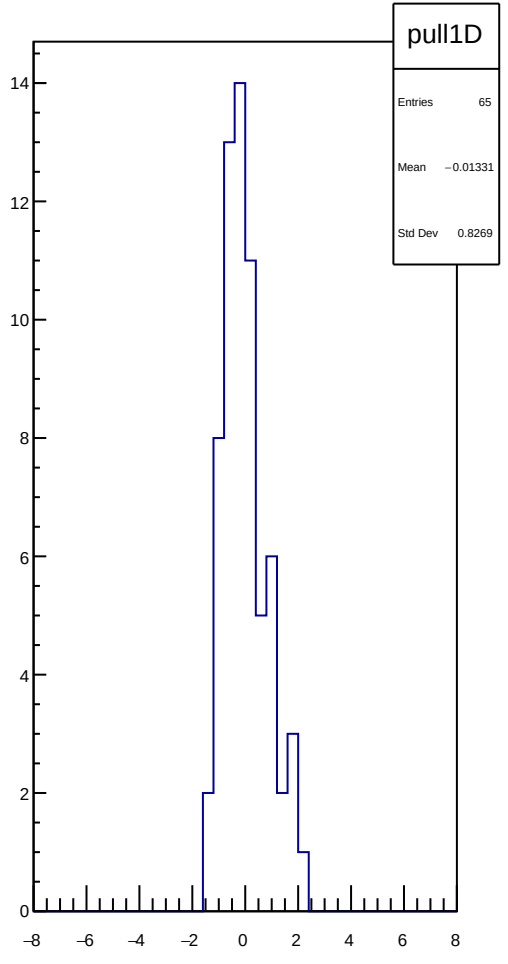

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.389e+05 / 64
p0 236.7 ± 0.2281
1400
1200
1000
800
600
400
200

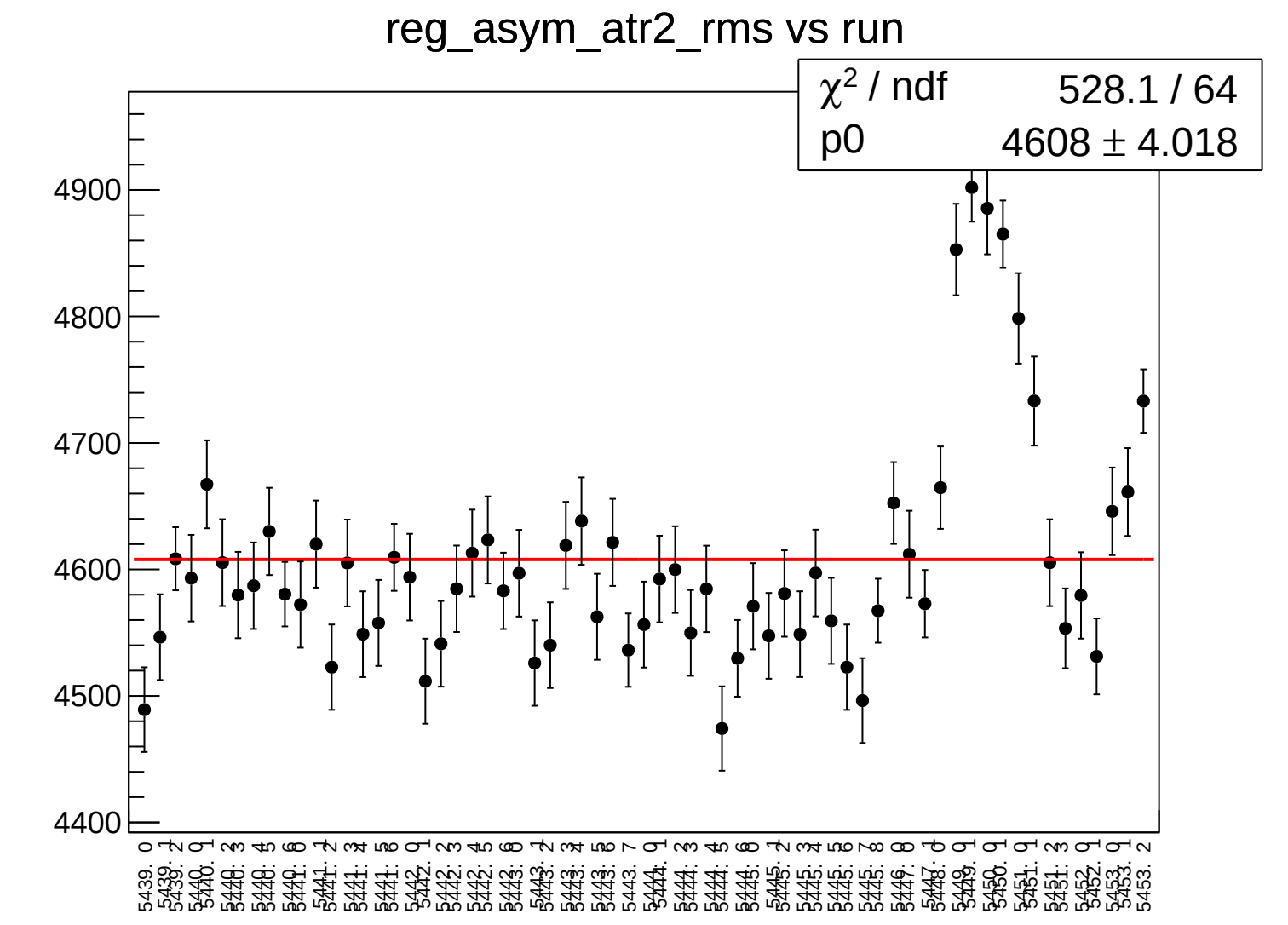

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83 / 64
p0 6.733e−14 ± 6.626e−14
pull
Entries 65
Mean 43.75
Std Dev 26.47

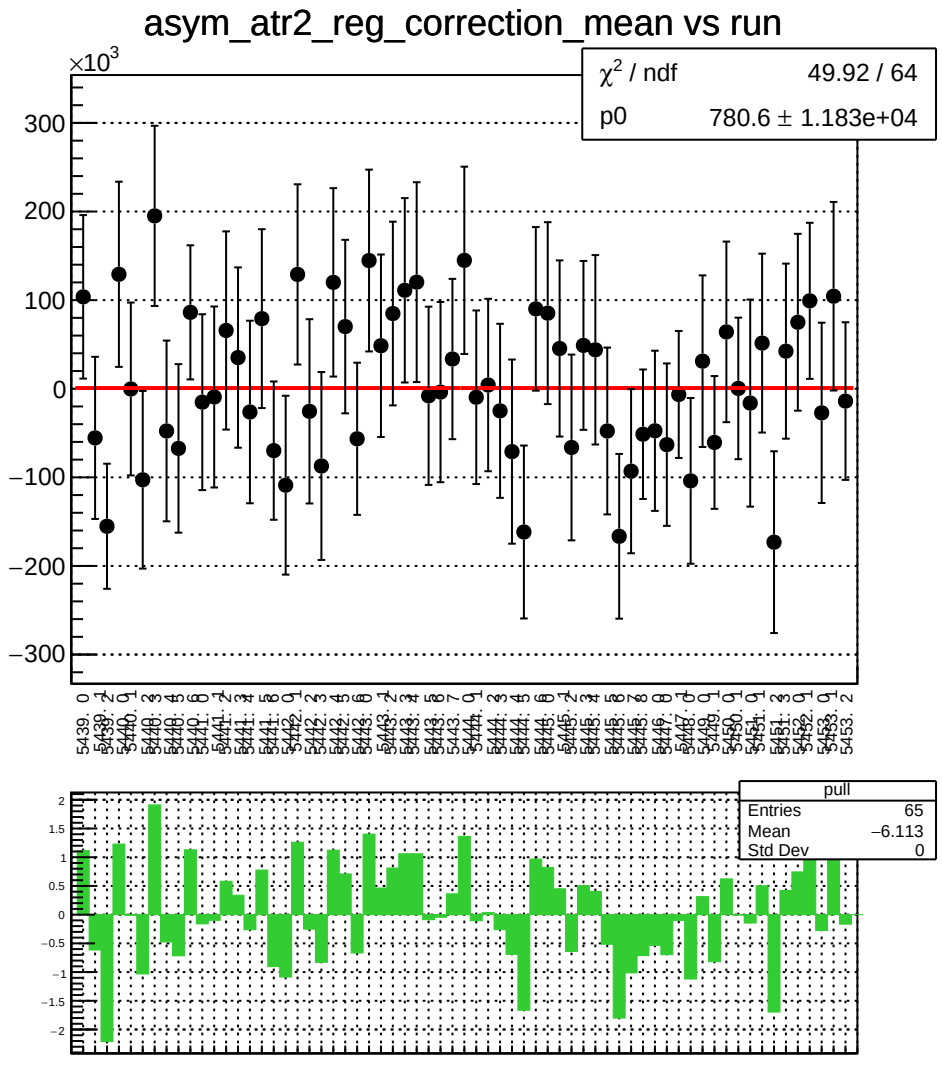

pull1D
Entries 65
Mean −0.0386
Std Dev 1.129

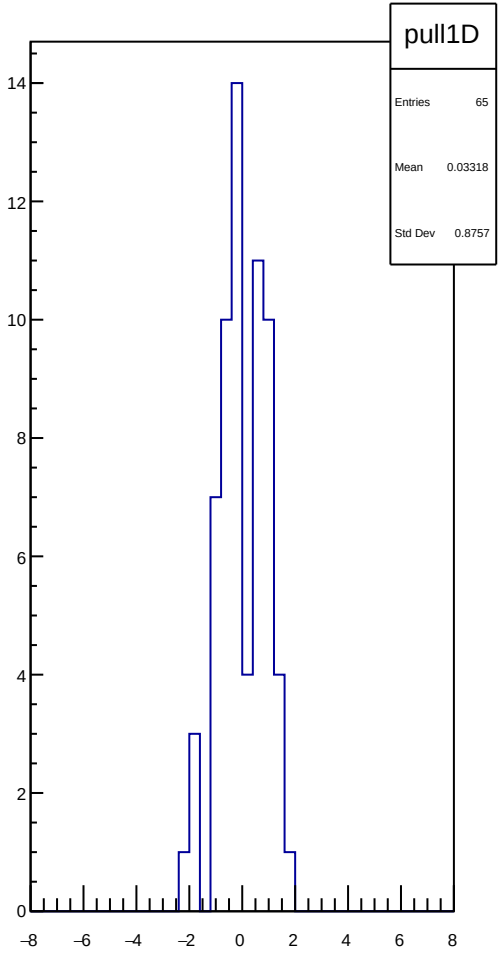

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.349e+05 / 64
p0 4.397e−11 ± 4.685e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

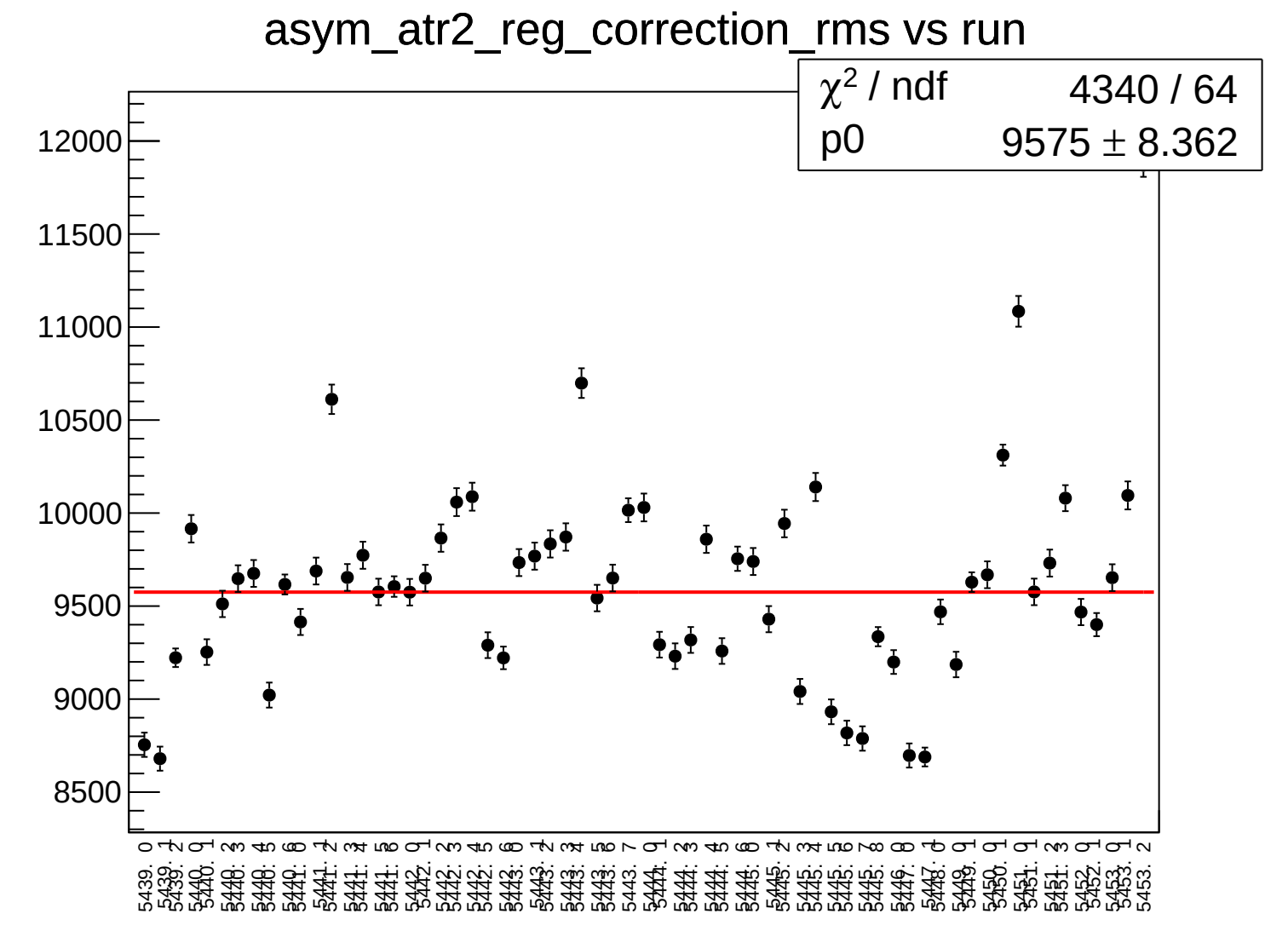

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 44.46 / 64
p0 −8880 ± 5683
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 148.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

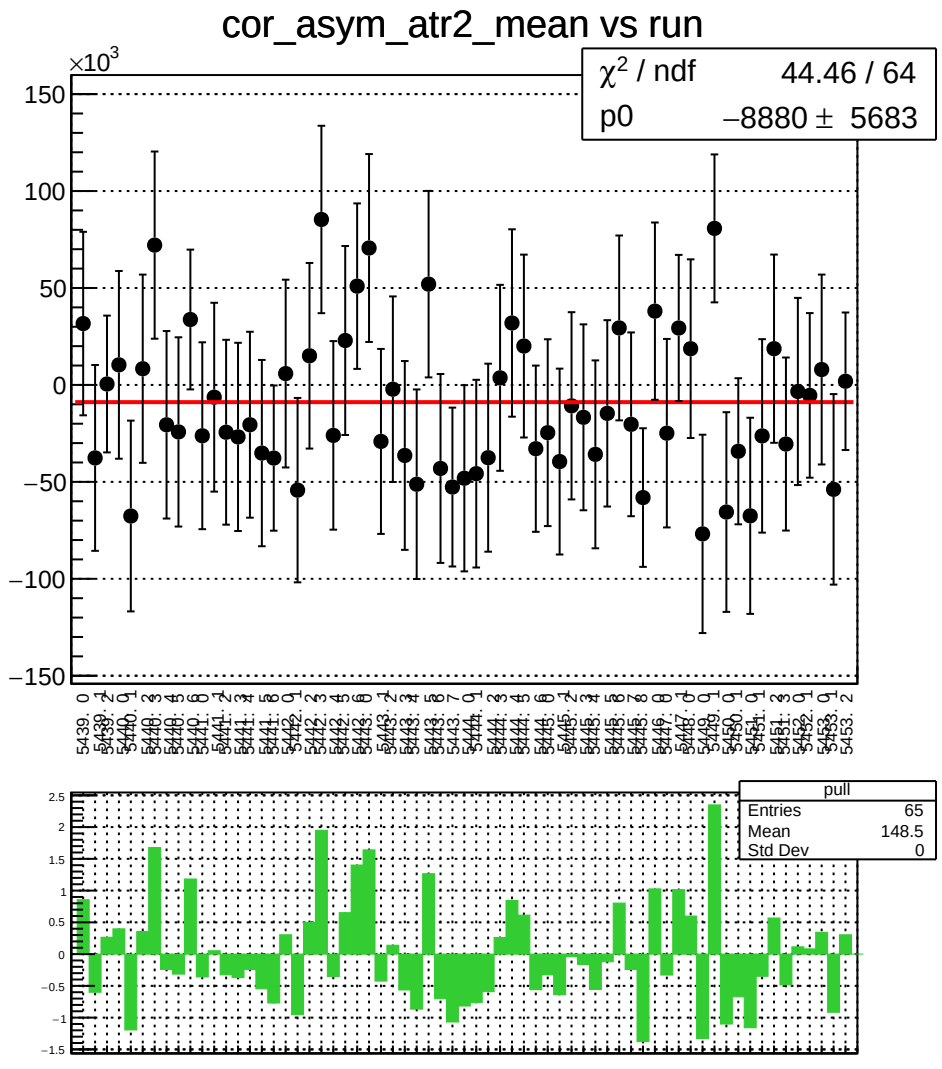

pull1D
Entries 65
Mean −0.01331
Std Dev 0.8269
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

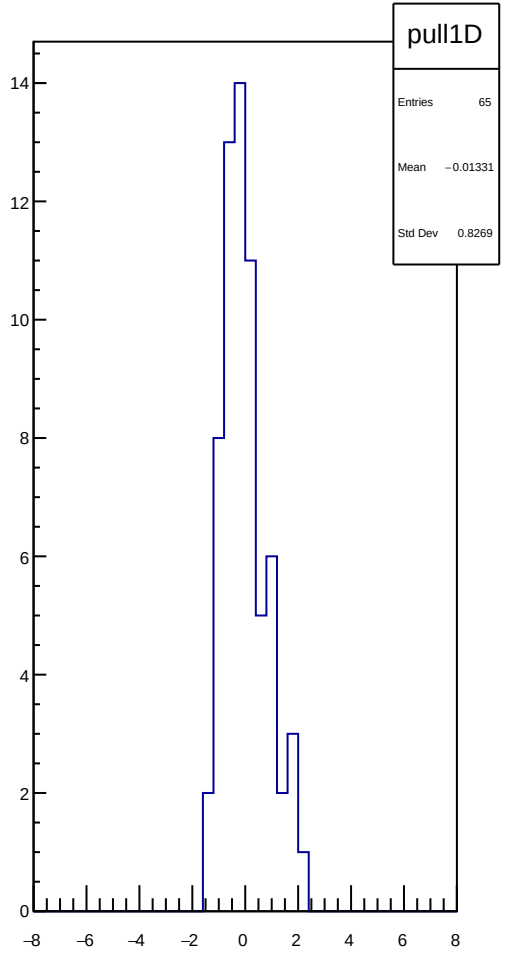

reg_asym_atr2_rms vs run
χ² / ndf 528.1 / 64
p0 4608 ± 4.018
4900
4800
4700
4600
4500
4400

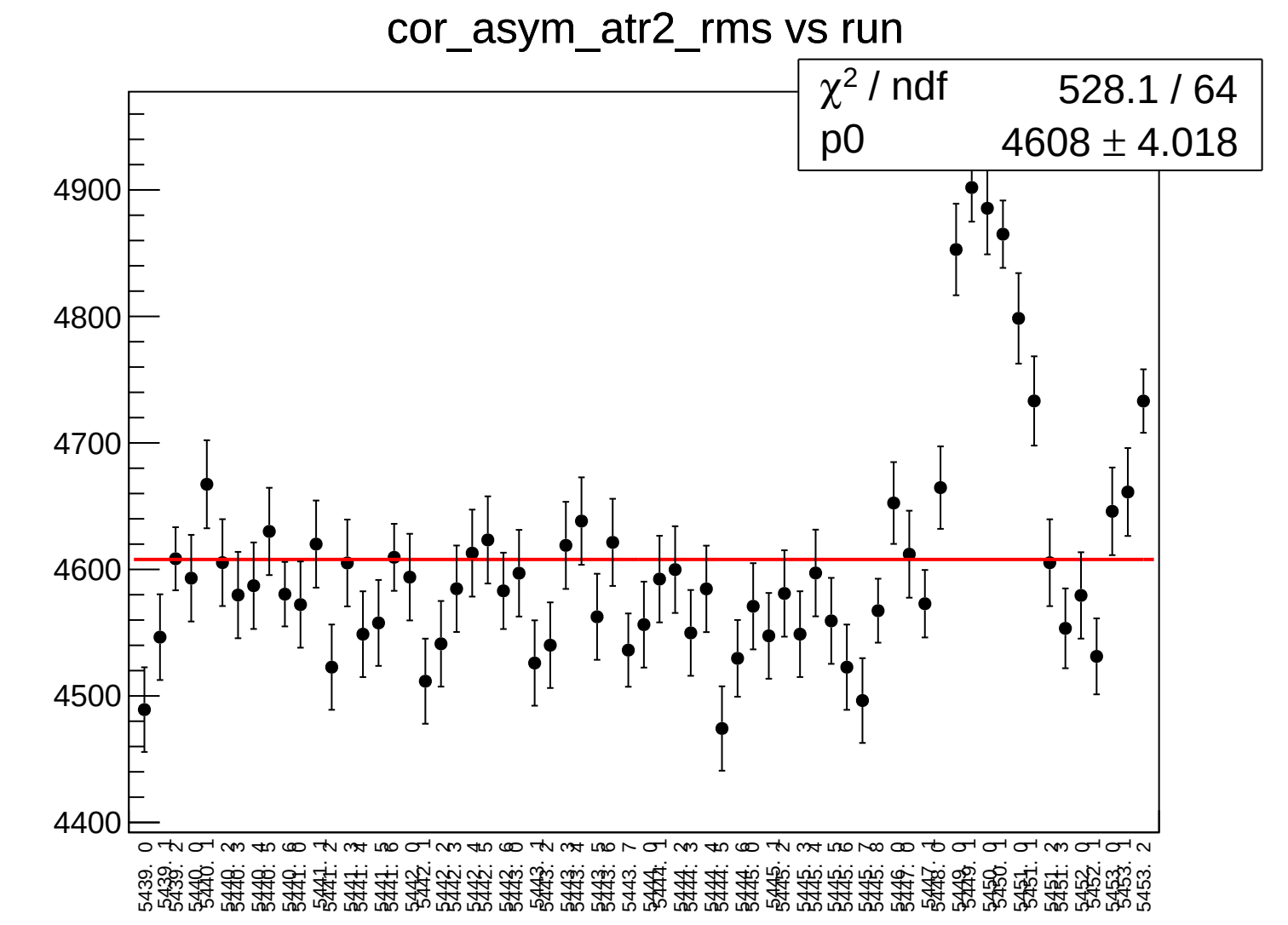

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 49.92 / 64
p0 780.6 ± 1.183e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean −6.113
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

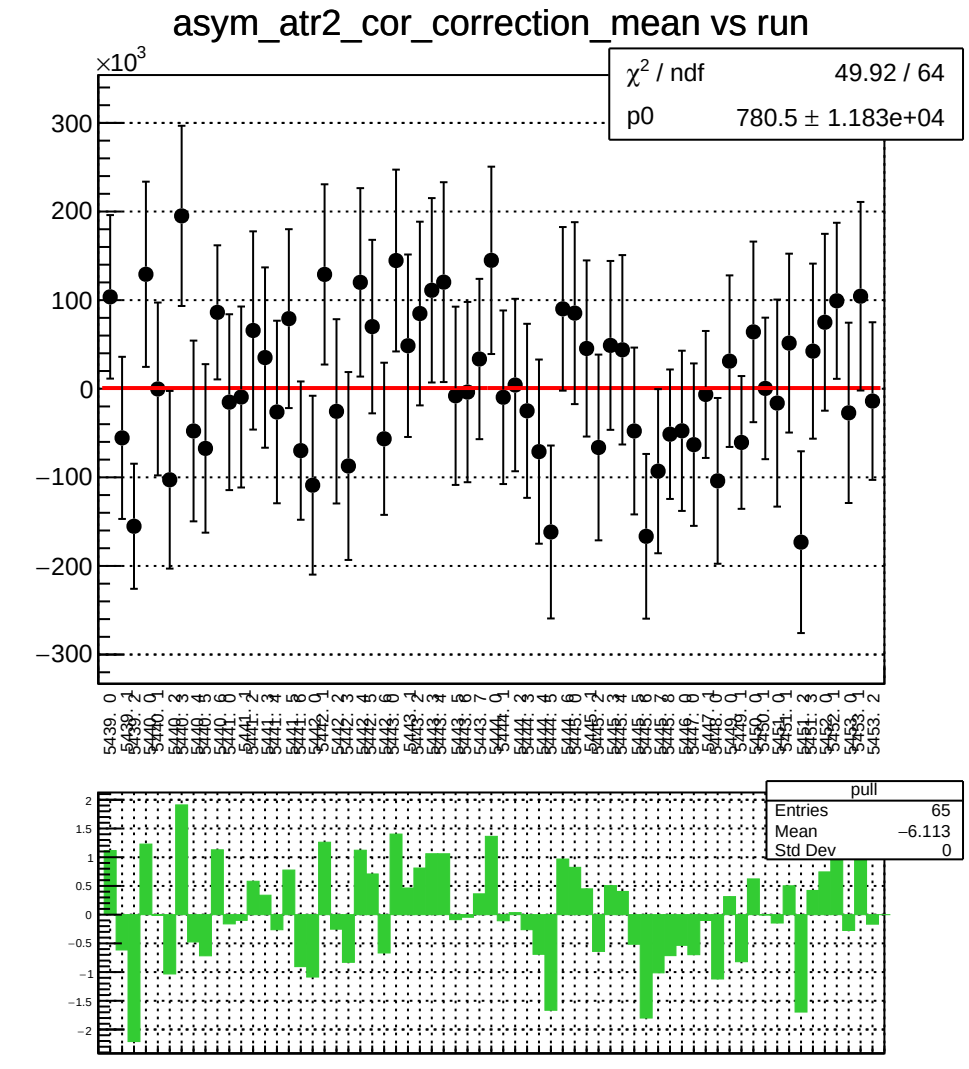

pull1D
Entries 65
Mean 0.03318
Std Dev 0.8757
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

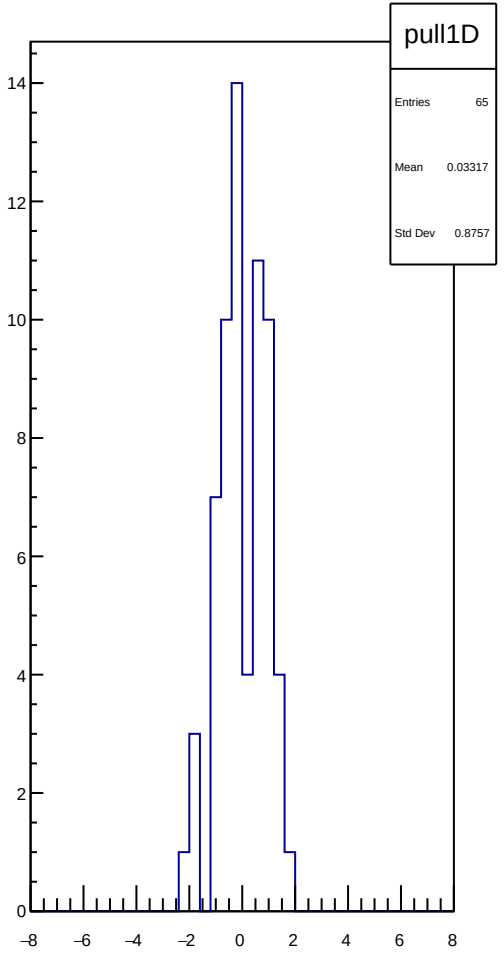

asym_atr2_reg_correction_rms vs run
χ² / ndf 4340 / 64
p0 9575 ± 8.362
12000
11500
11000
10500
10000
9500
9000
8500

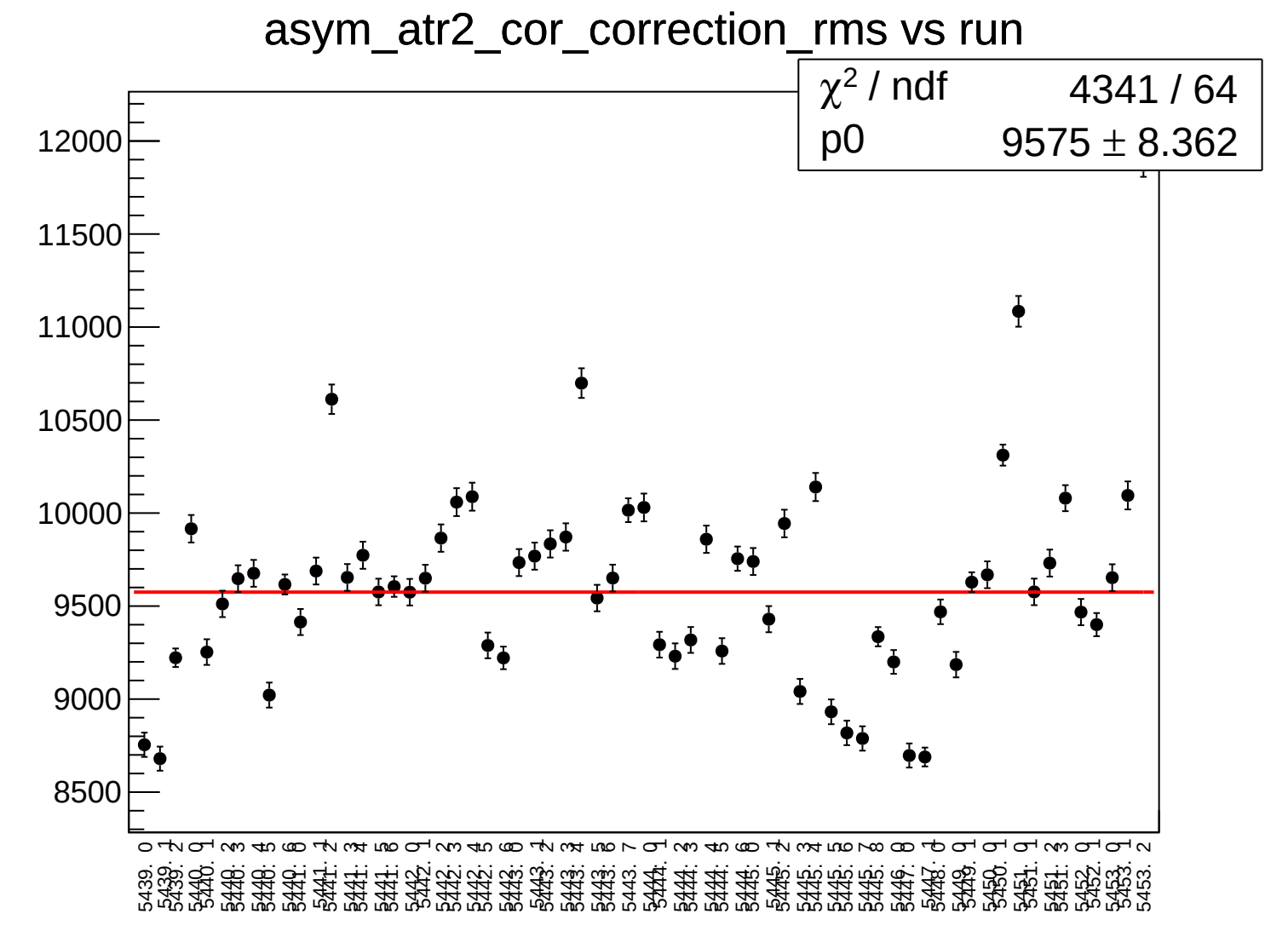

cor_asym_atr2_mean vs run
×10^3
χ² / ndf 44.46 / 64
p0 −8880 ± 5683
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 148.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

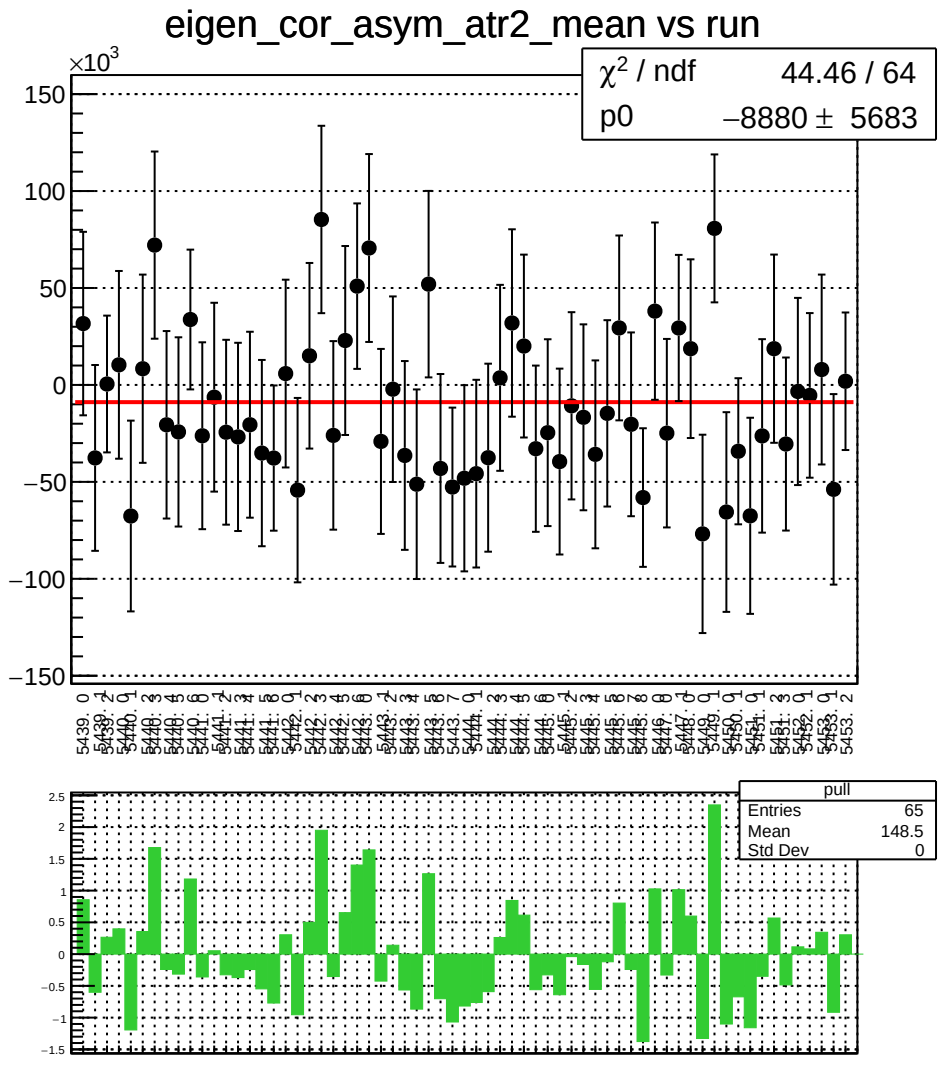

pull1D
Entries 65
Mean −0.01331
Std Dev 0.8269
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

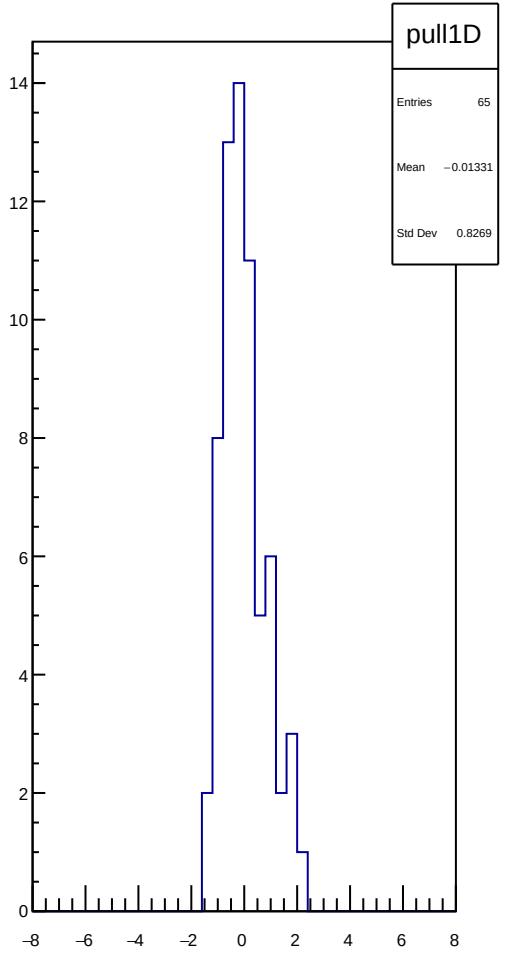

cor_asym_atr2_rms vs run
χ² / ndf 528.1 / 64
p0 4608 ± 4.018
4900
4800
4700
4600
4500
4400

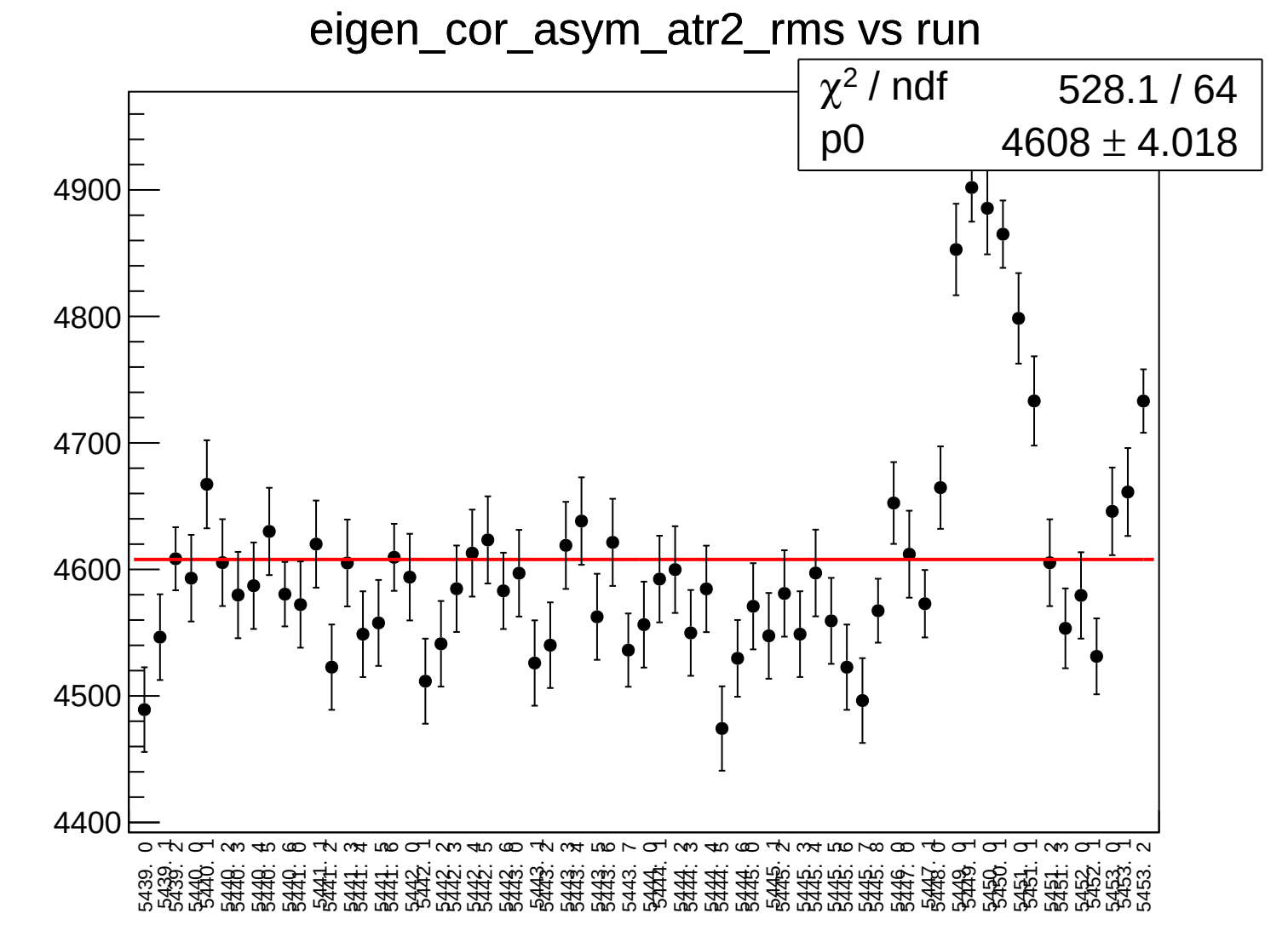

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 49.92 / 64
p0 780.5 ± 1.183e+04
pull
Entries 65
Mean −6.113
Std Dev 0

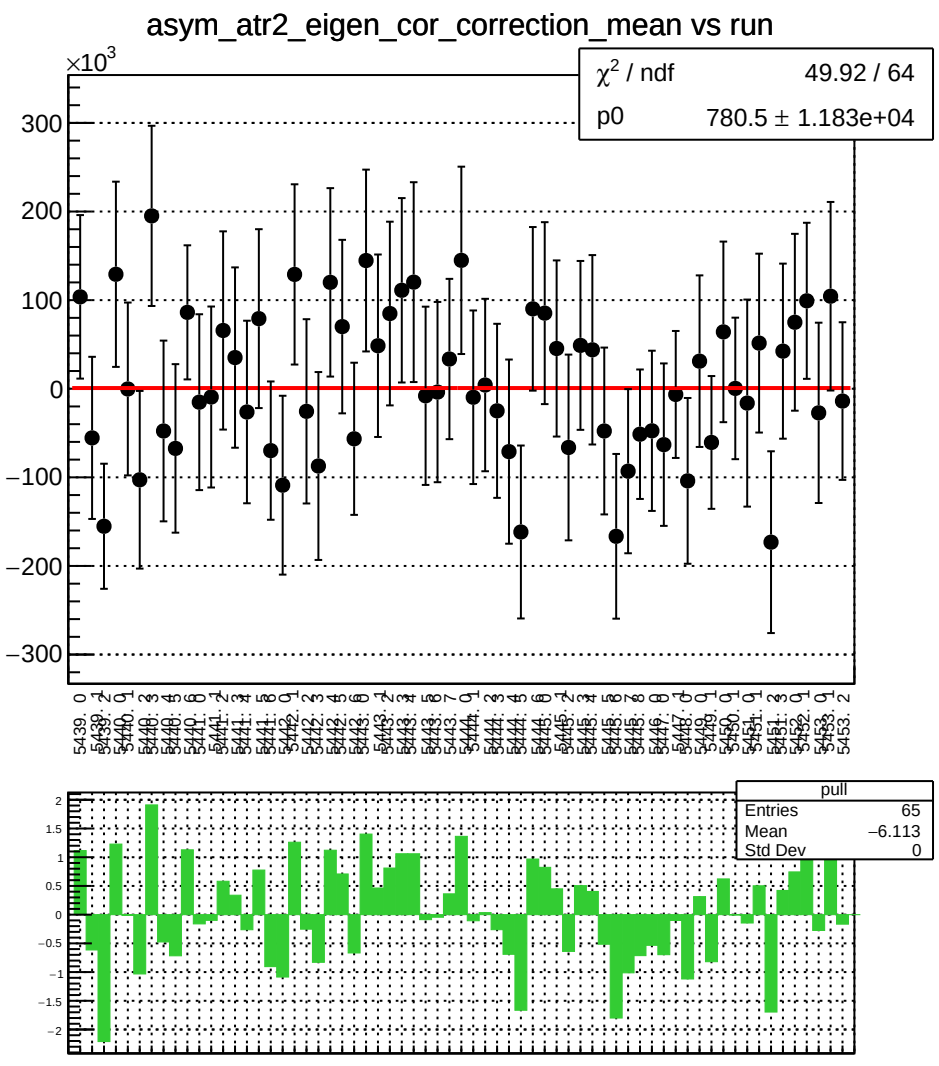

pull1D
Entries 65
Mean 0.03317
Std Dev 0.8757

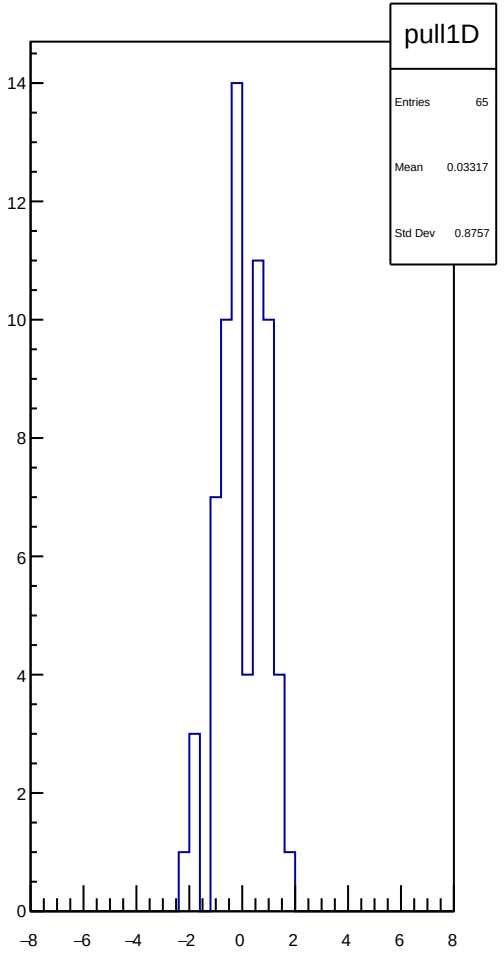

asym_atr2_cor_correction_rms vs run
χ² / ndf 4341 / 64
p0 9575 ± 8.362
12000
11500
11000
10500
10000
9500
9000
8500

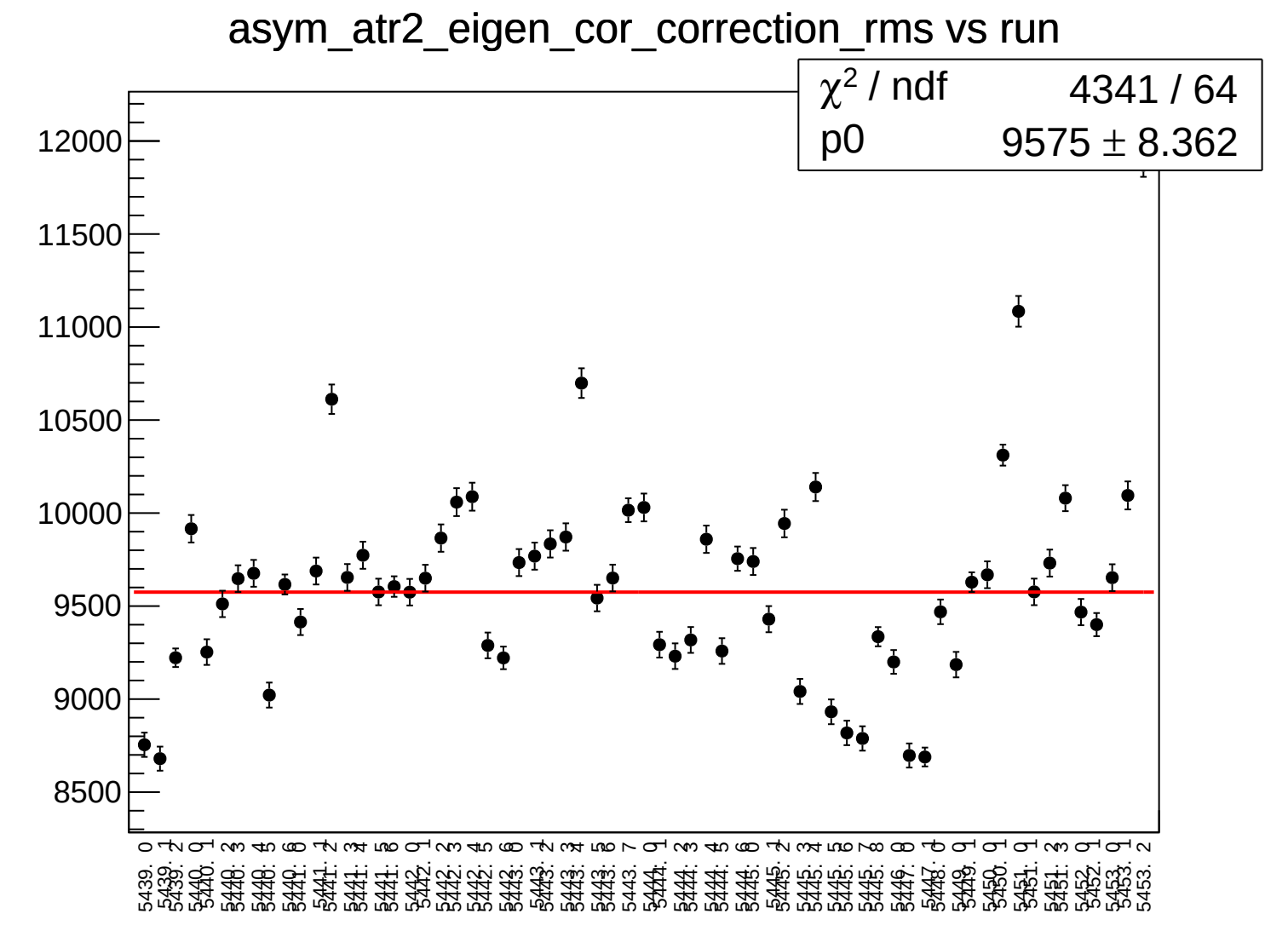

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 44.46 / 64
p0 −8880 ± 5683
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 148.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

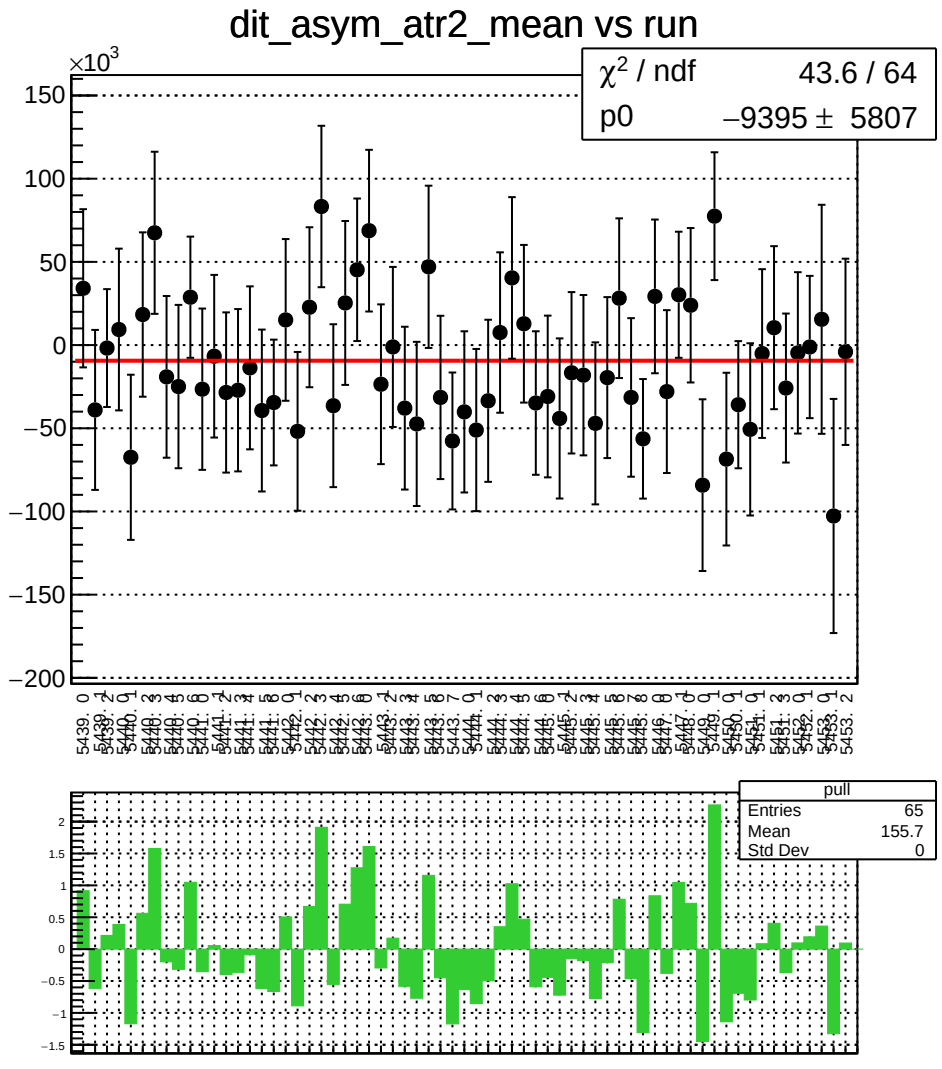

pull1D
Entries 65
Mean −0.01331
Std Dev 0.8269
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

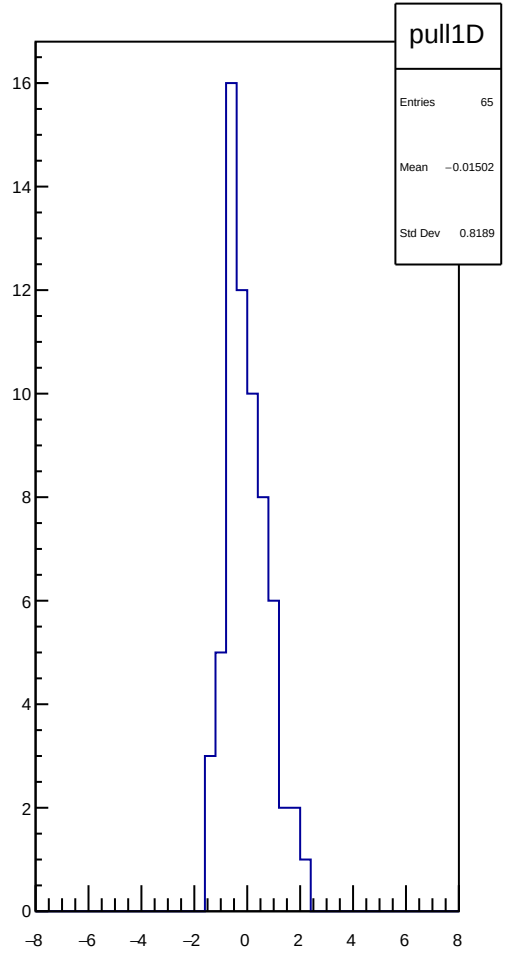

eigen_cor_asym_atr2_rms vs run
χ² / ndf 528.1 / 64
p0 4608 ± 4.018
4900
4800
4700
4600
4500
4400

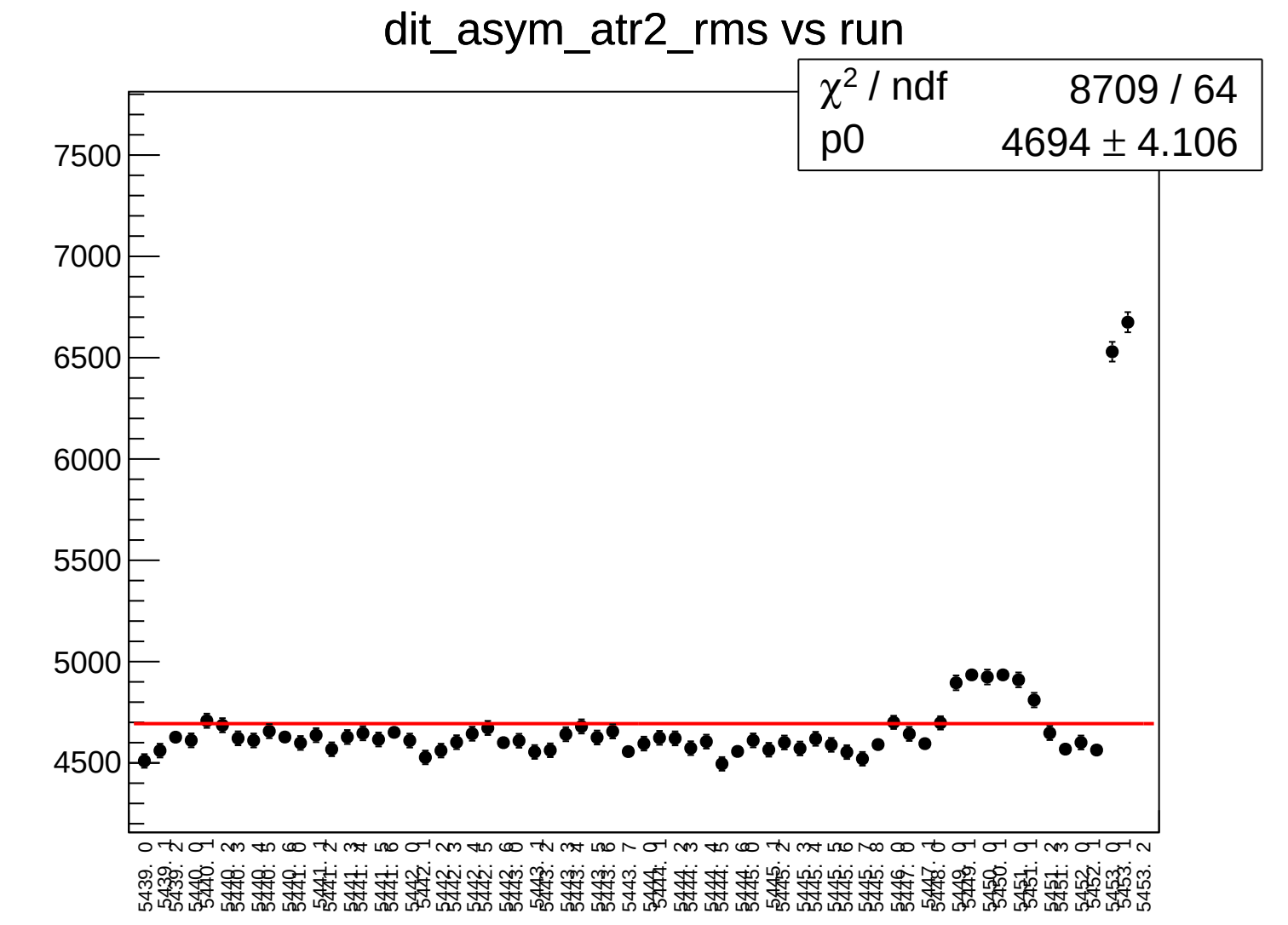

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.92 / 64
p0 780.5 ± 1.183e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean −6.113
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

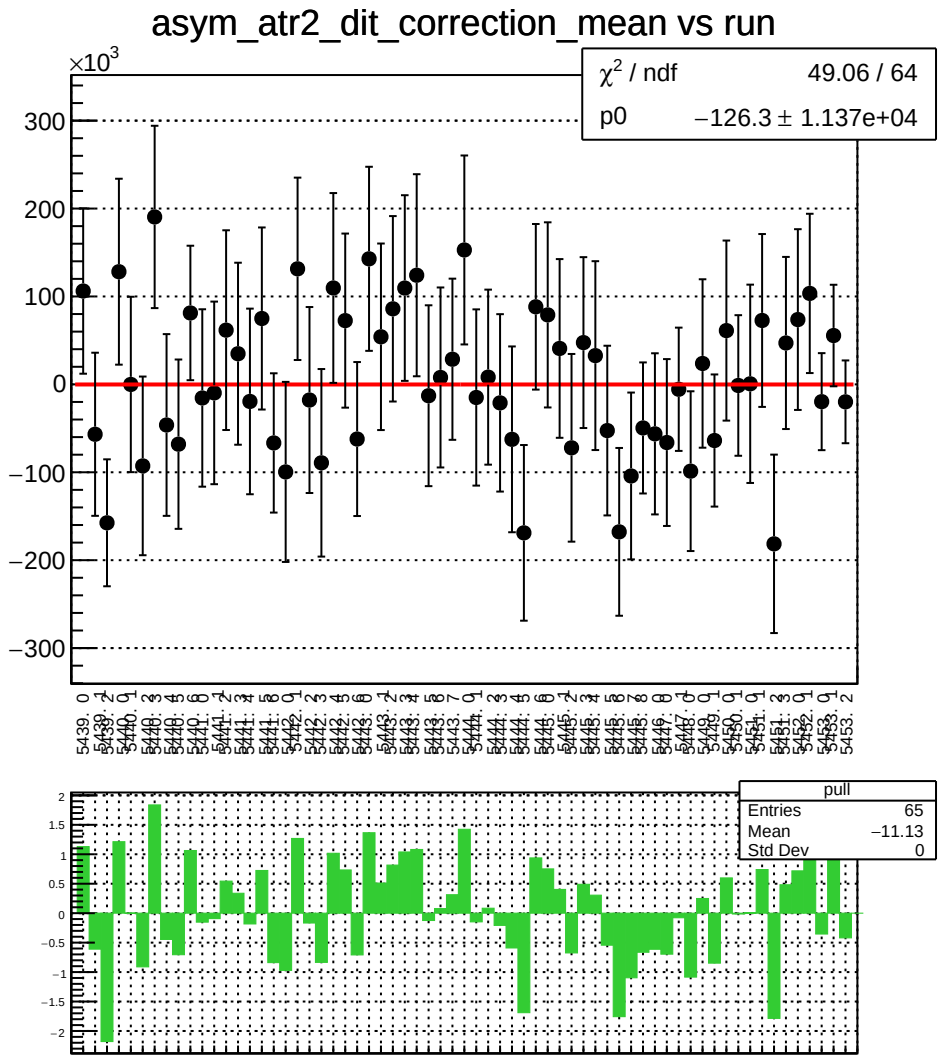

pull1D
Entries 65
Mean 0.03317
Std Dev 0.8757
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

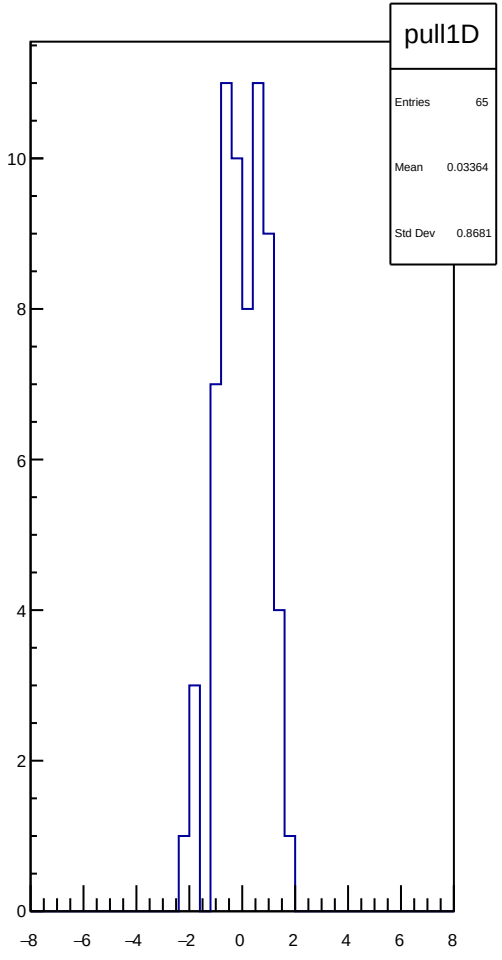

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 4341 / 64
p0 9575 ± 8.362
12000
11500
11000
10500
10000
9500
9000
8500

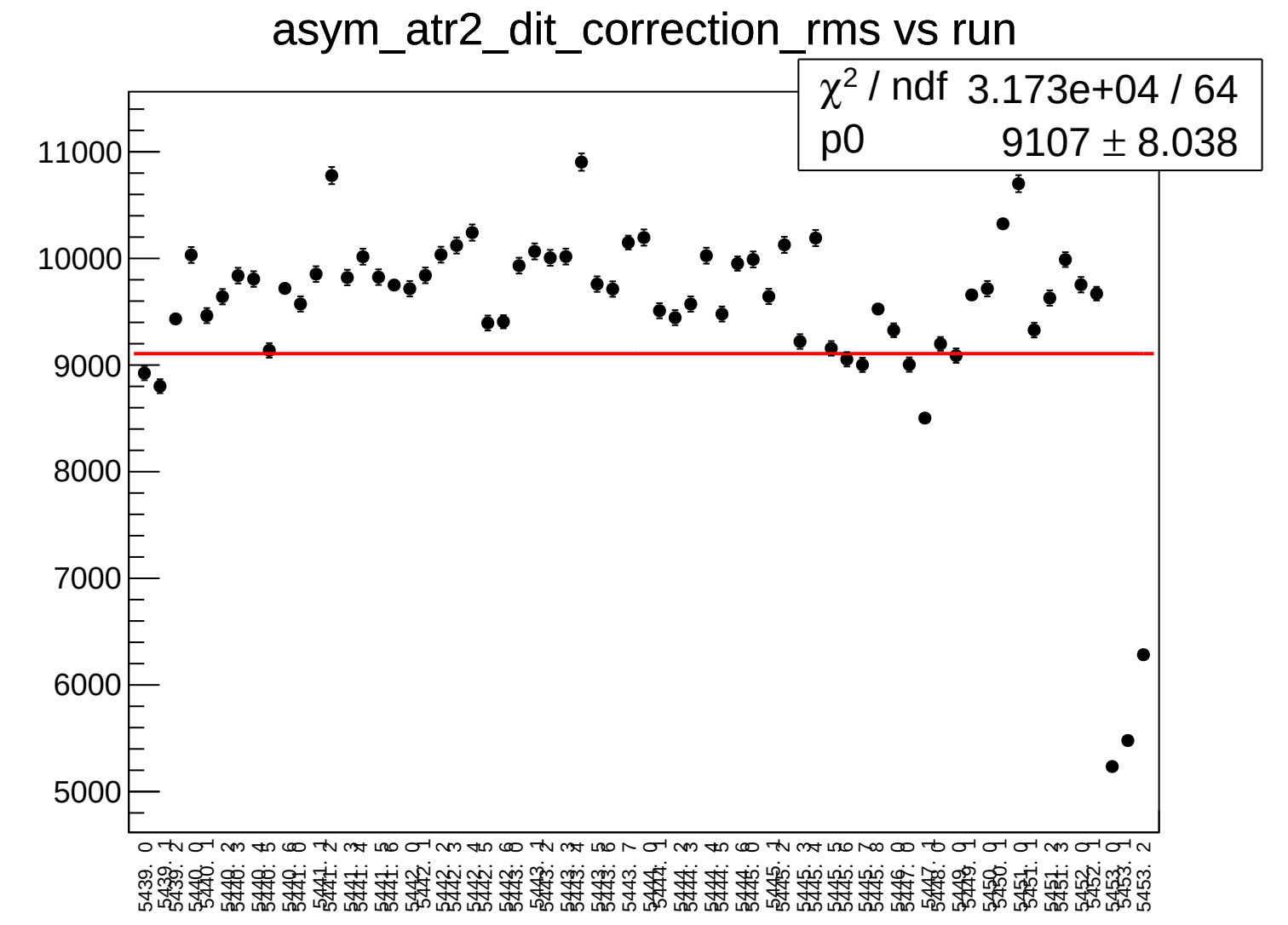

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 43.6 / 64
p0 −9395 ± 5807
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 155.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

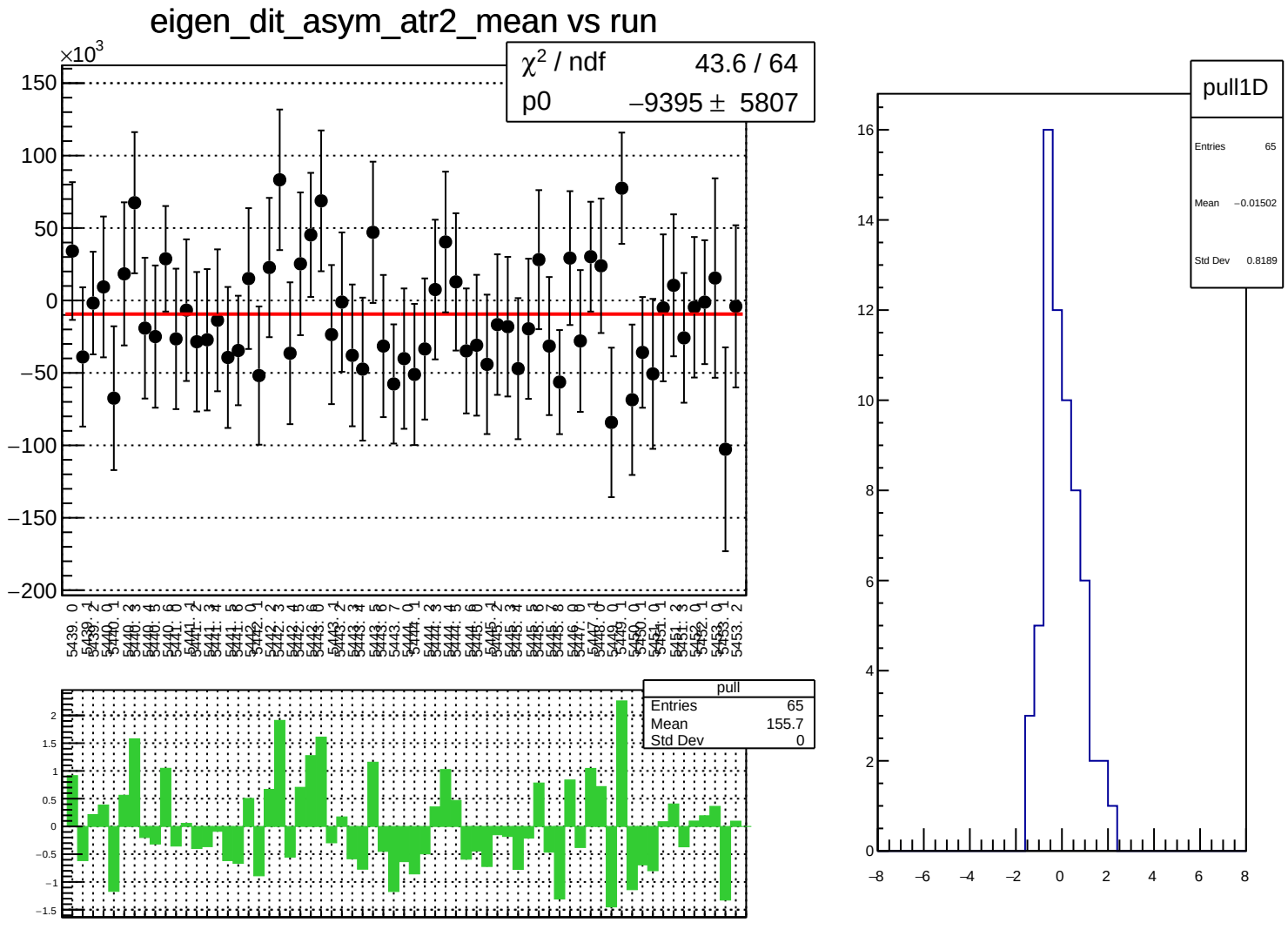

pull1D
Entries 65
Mean −0.01502
Std Dev 0.8189
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

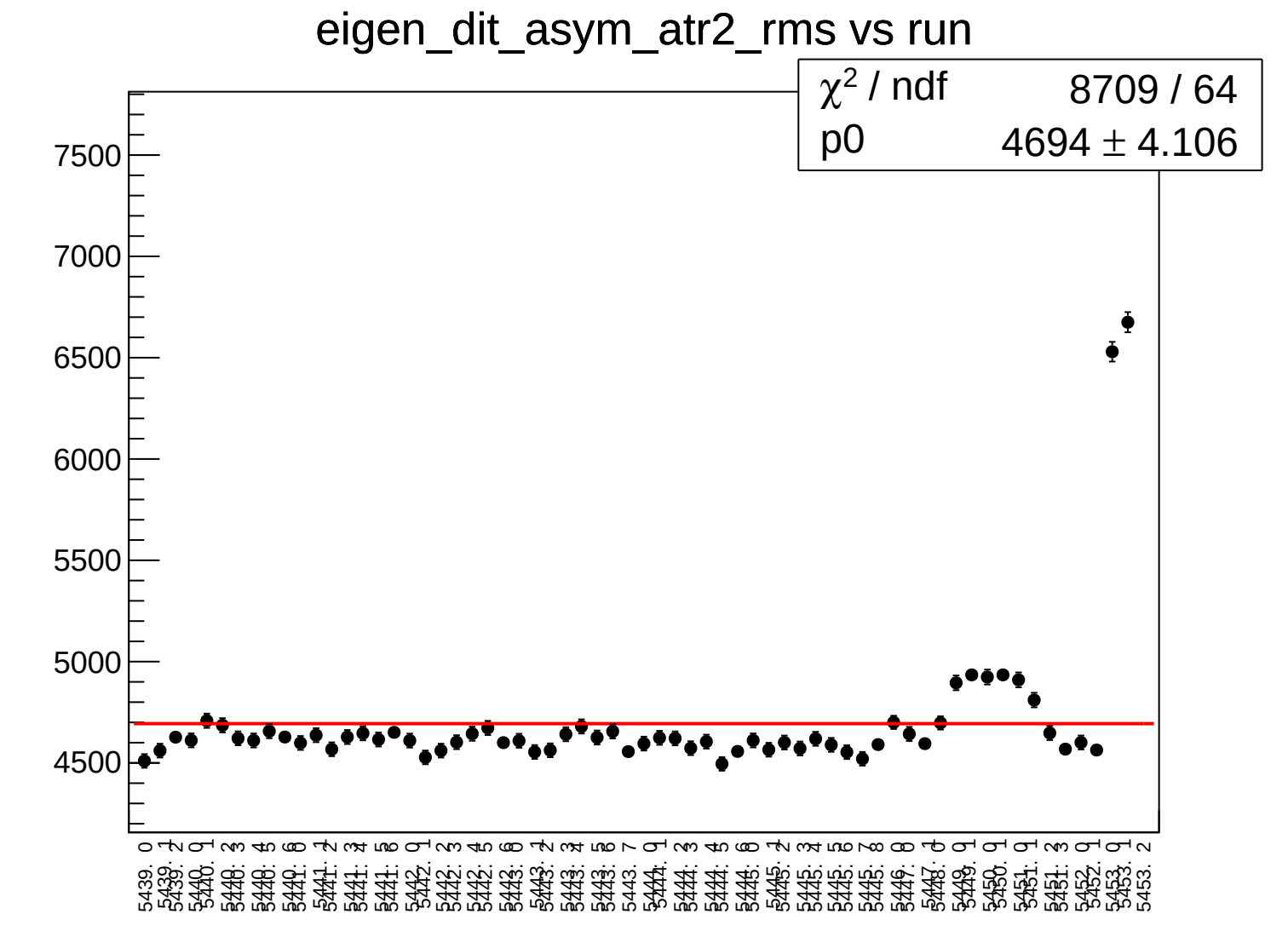

dit_asym_atr2_rms vs run
χ² / ndf 8709 / 64
p0 4694 ± 4.106
7500
7000
6500
6000
5500
5000
4500

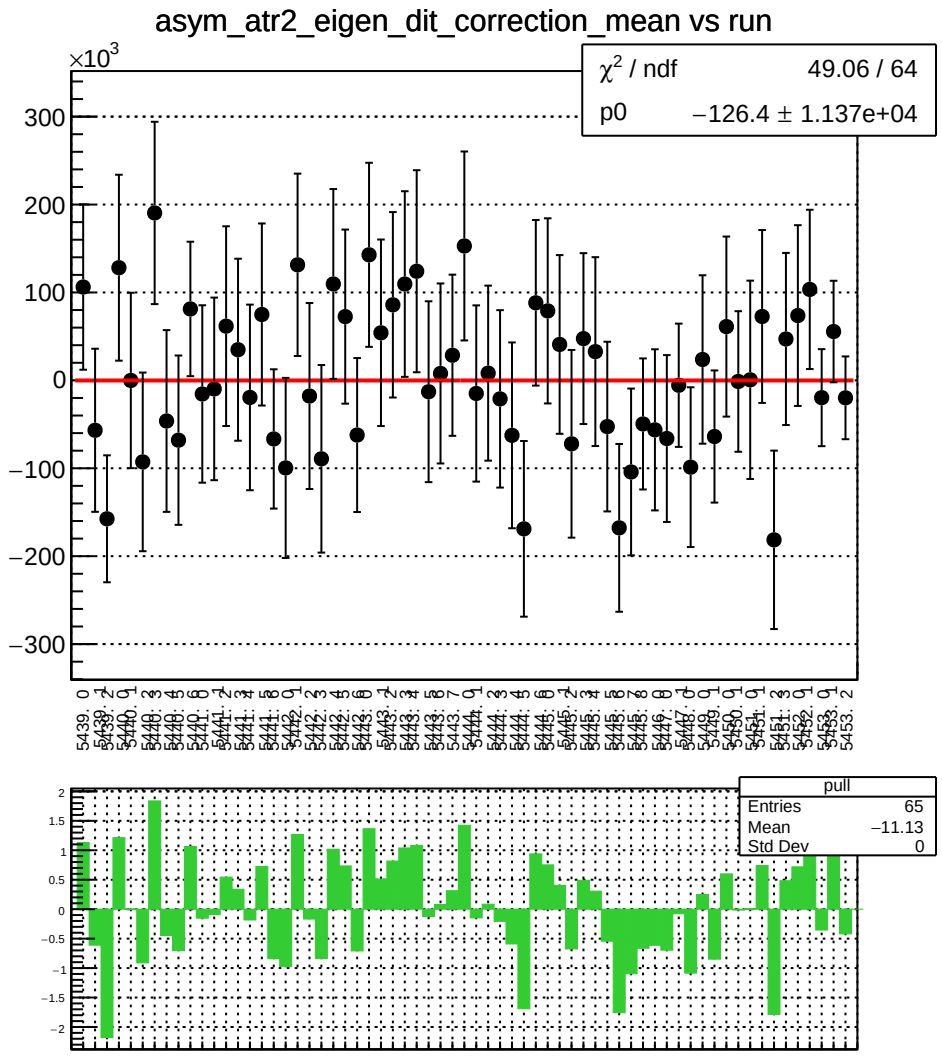

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 49.06 / 64
p0 −126.3 ± 1.137e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean −11.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

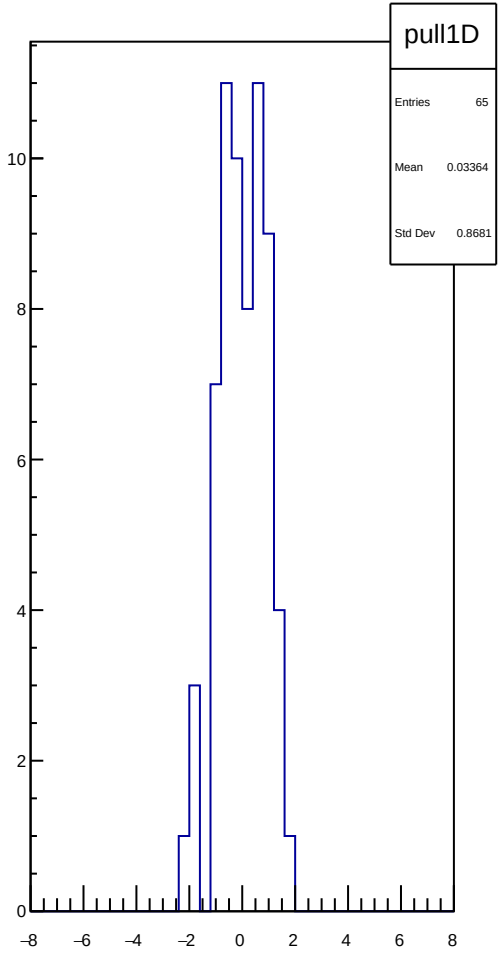

pull1D
Entries 65
Mean 0.03364
Std Dev 0.8681
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

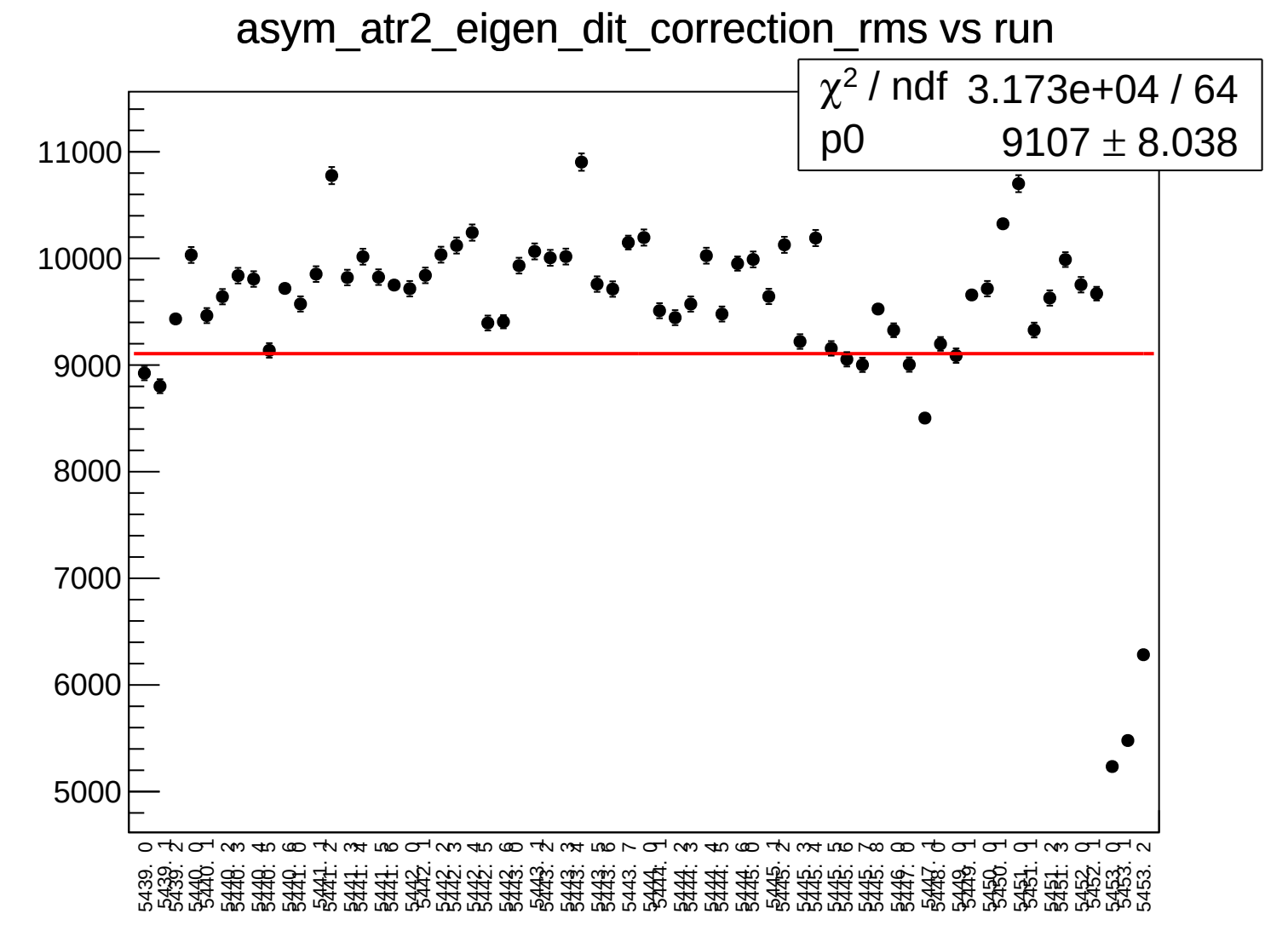

asym_atr2_dit_correction_rms vs run
χ^2 / ndf 3.173e+04 / 64
p0 9107 ± 8.038
11000
10000
9000
8000
7000
6000
5000

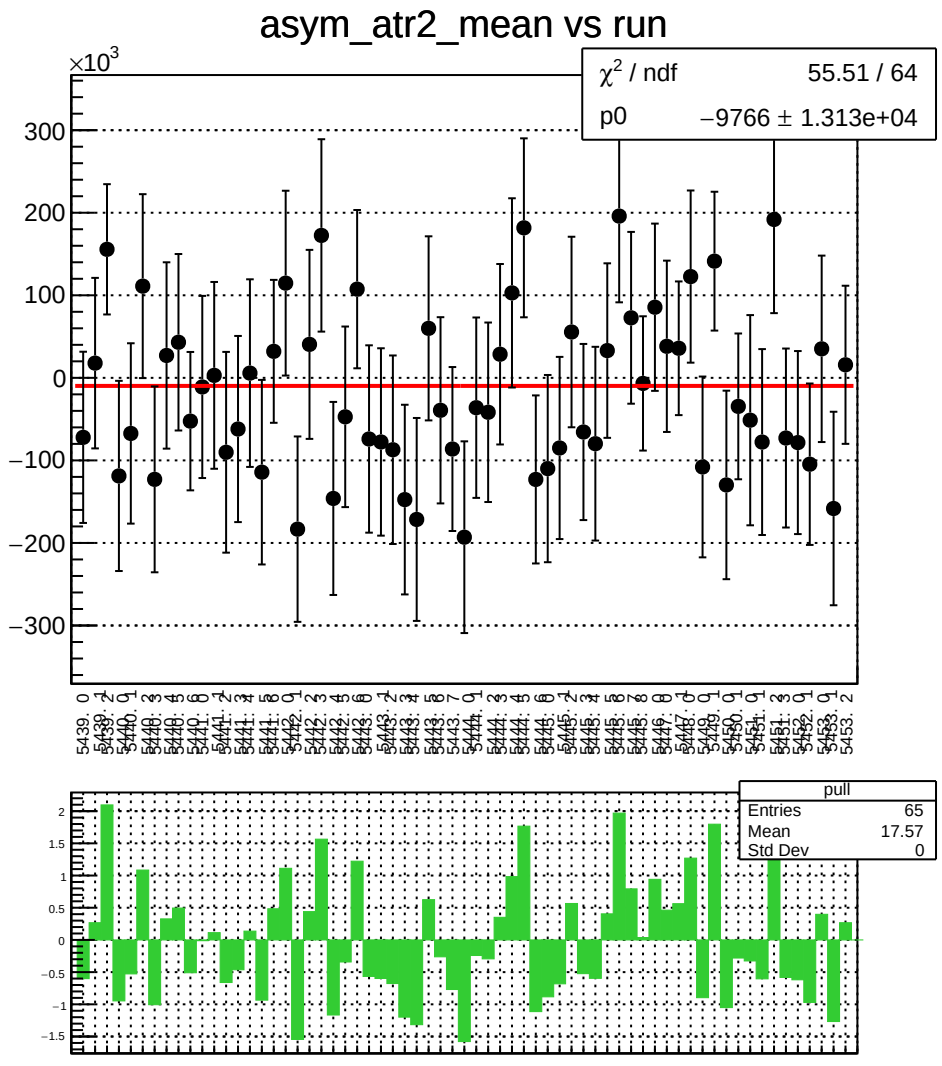

eigen_dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 43.6 / 64
p0 −9395 ± 5807
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 155.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 65
Mean −0.01502
Std Dev 0.8189
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

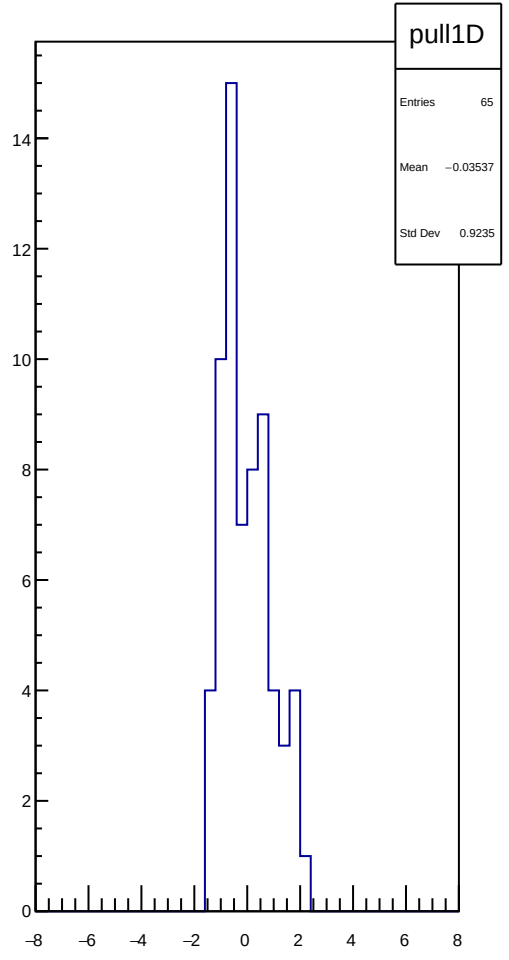

eigen_dit_asym_atr2_rms vs run
χ² / ndf 8709 / 64
p0 4694 ± 4.106
7500
7000
6500
6000
5500
5000
4500

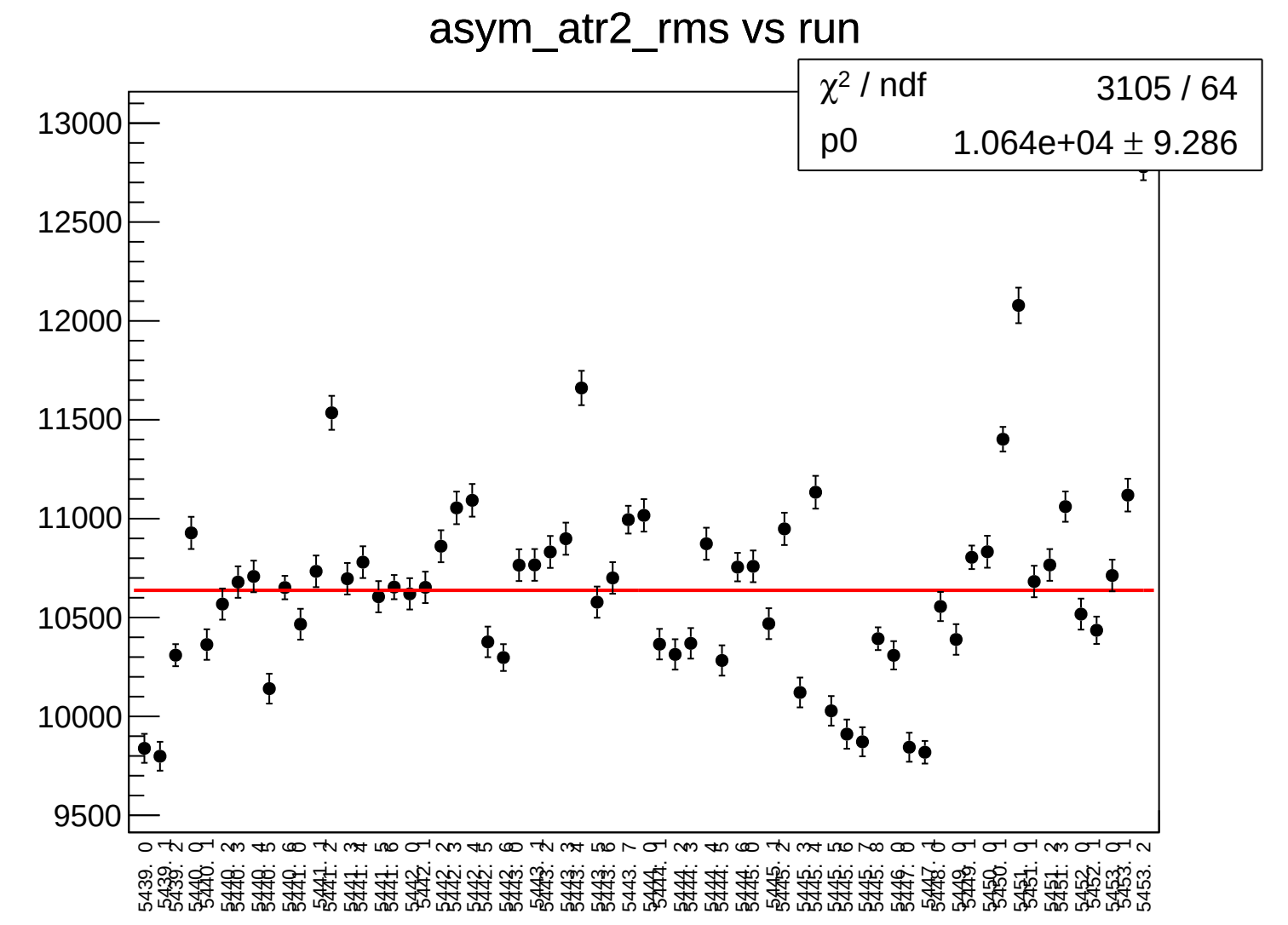

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.06 / 64
p0 −126.4 ± 1.137e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean −11.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

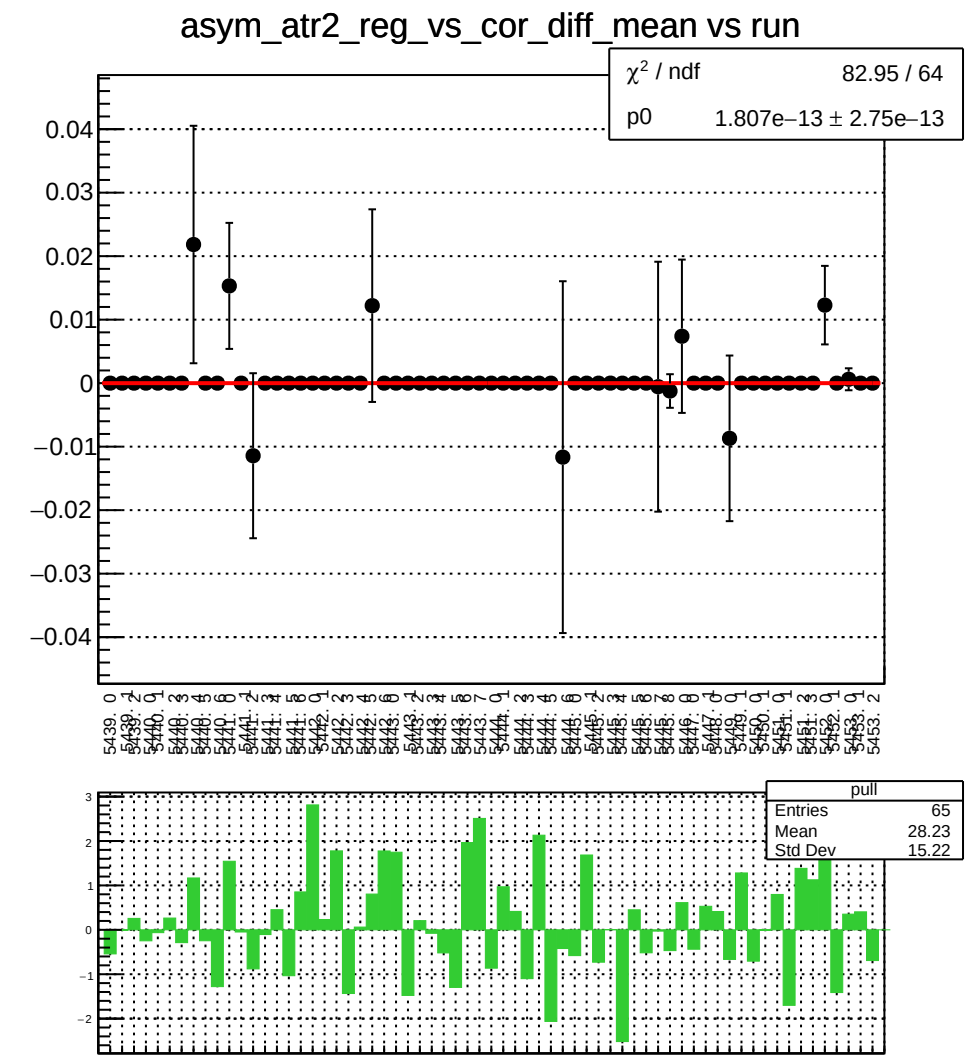

pull1D
Entries 65
Mean 0.03364
Std Dev 0.8681
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

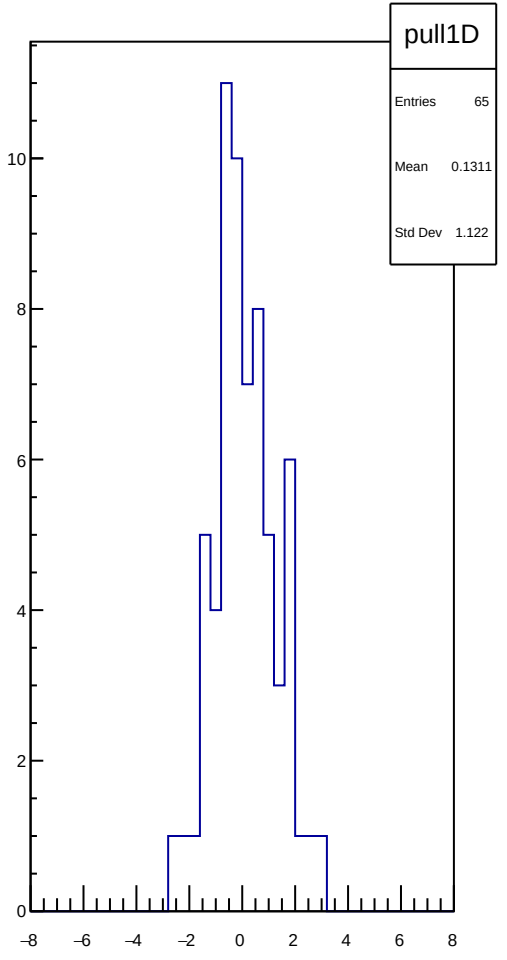

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 3.173e+04 / 64
p0 9107 ± 8.038
11000
10000
9000
8000
7000
6000
5000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

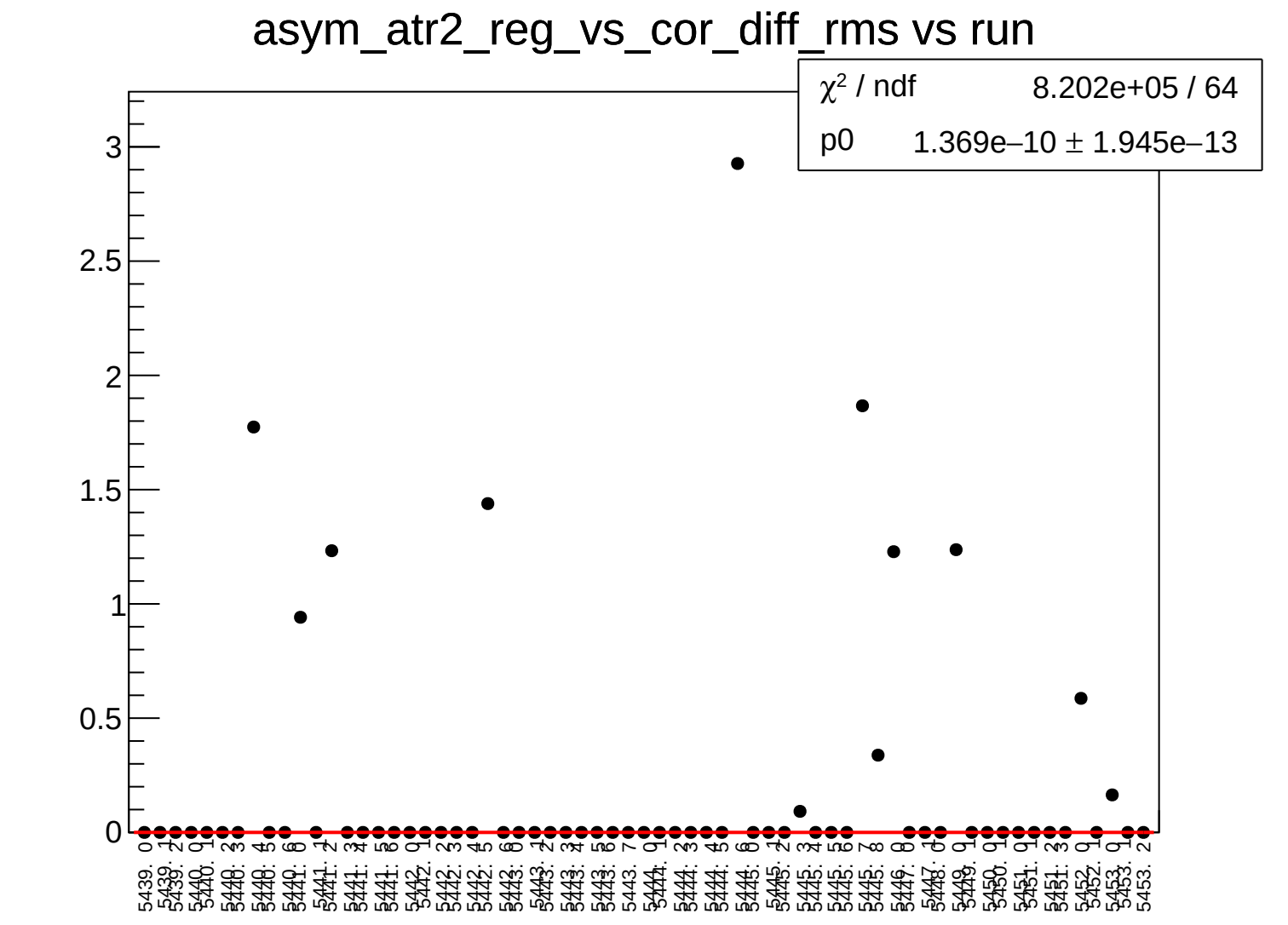

asym_atr2_mean vs run
×10^3
χ² / ndf 55.51 / 64
p0 −9766 ± 1.313e+04
pull
Entries 65
Mean 17.57
Std Dev 0

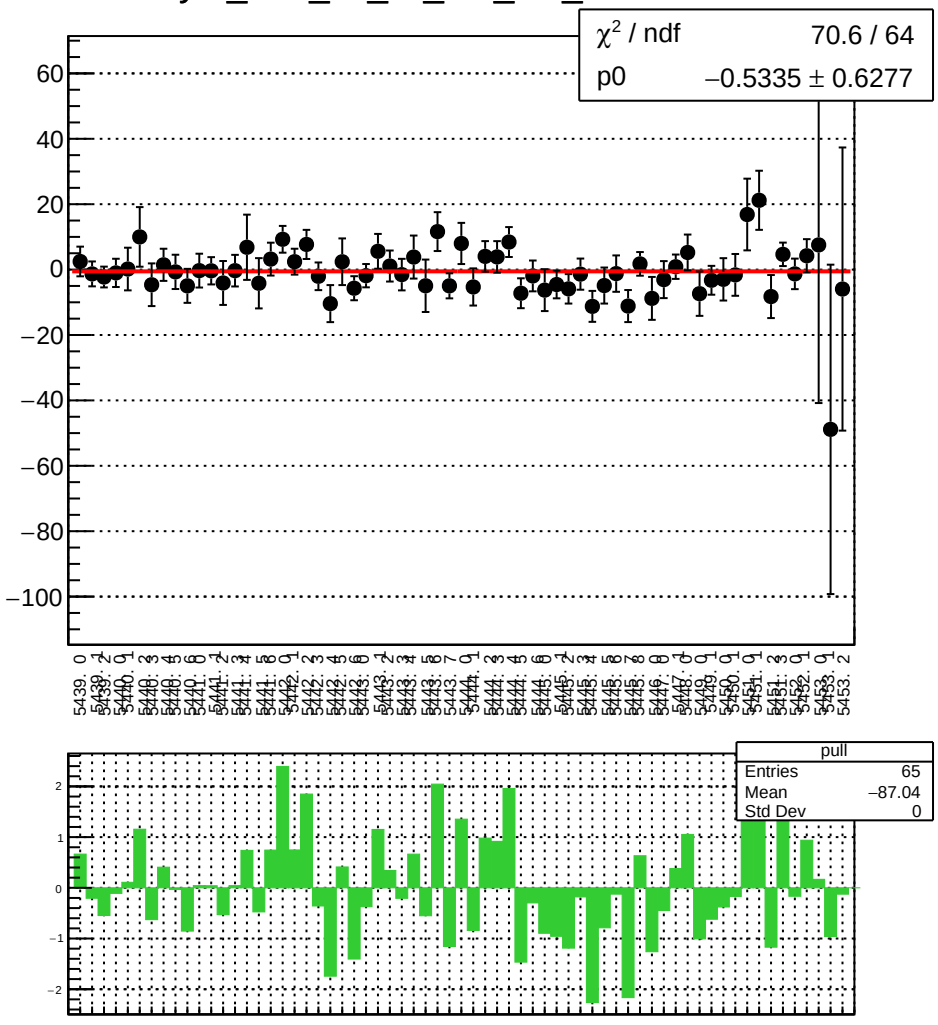

pull1D
Entries 65
Mean −0.03537
Std Dev 0.9235

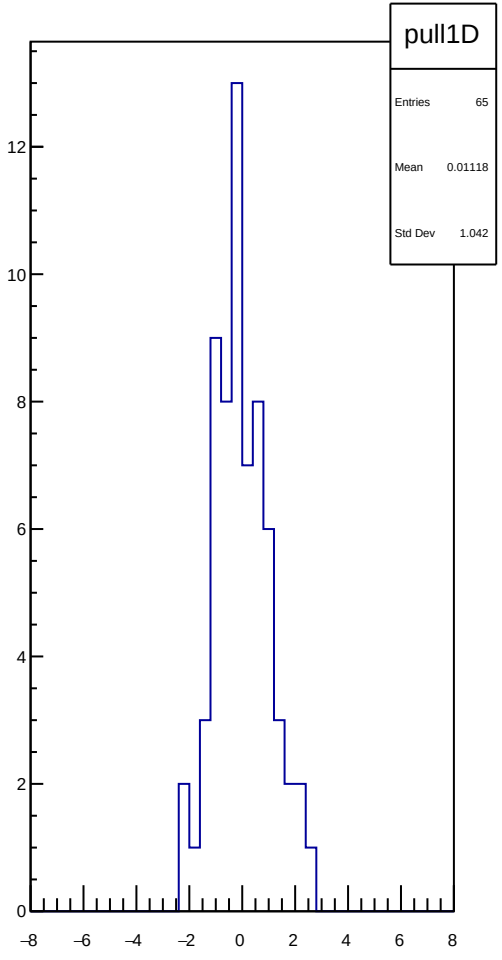

asym_atr2_rms vs run
χ² / ndf 3105 / 64
p0 1.064e+04 ± 9.286
13000
12500
12000
11500
11000
10500
10000
9500

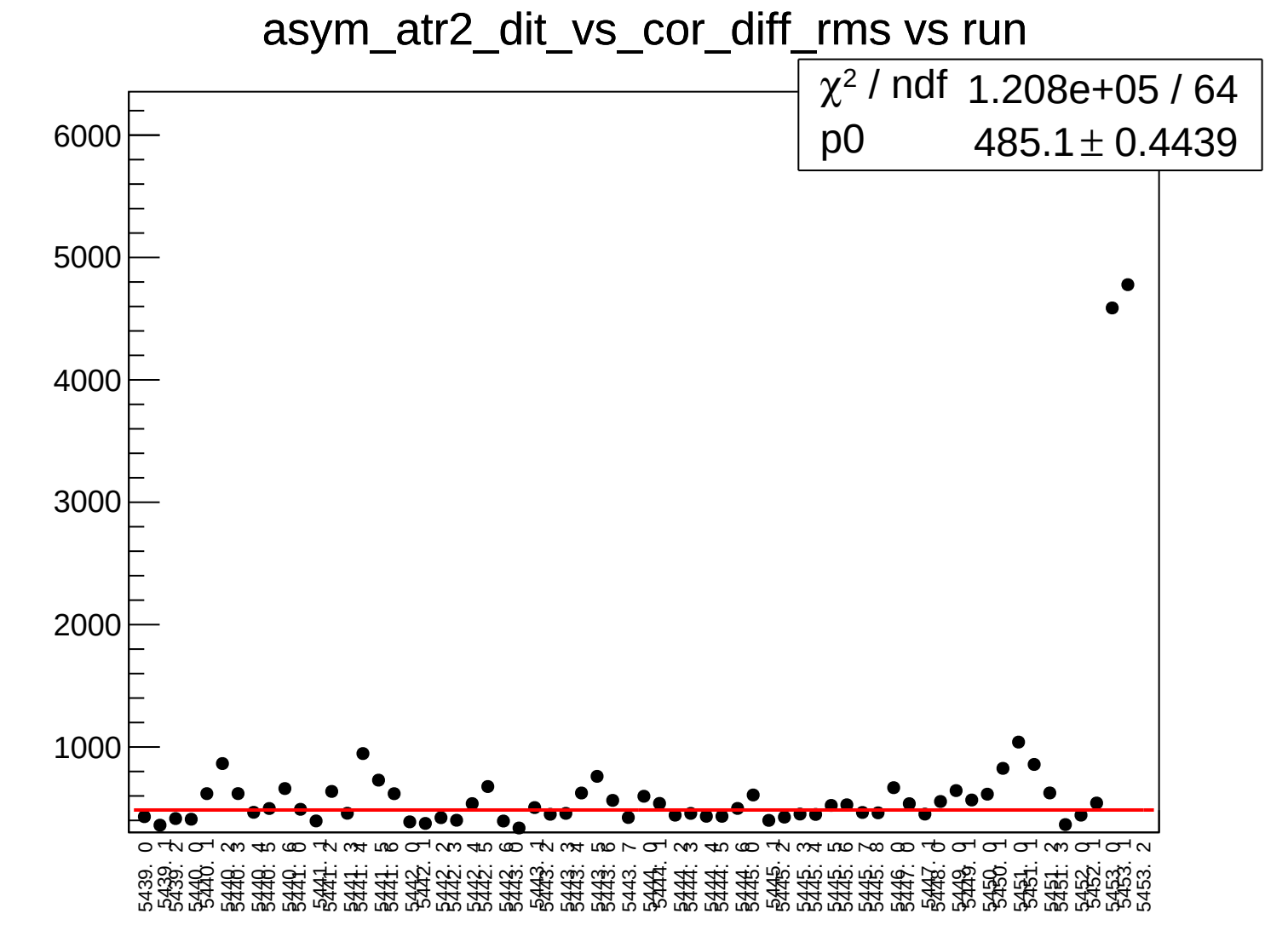

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 82.95 / 64
p0 1.807e−13 ± 2.75e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 65
Mean 28.23
Std Dev 15.22
3
2
1
0
−1
−2

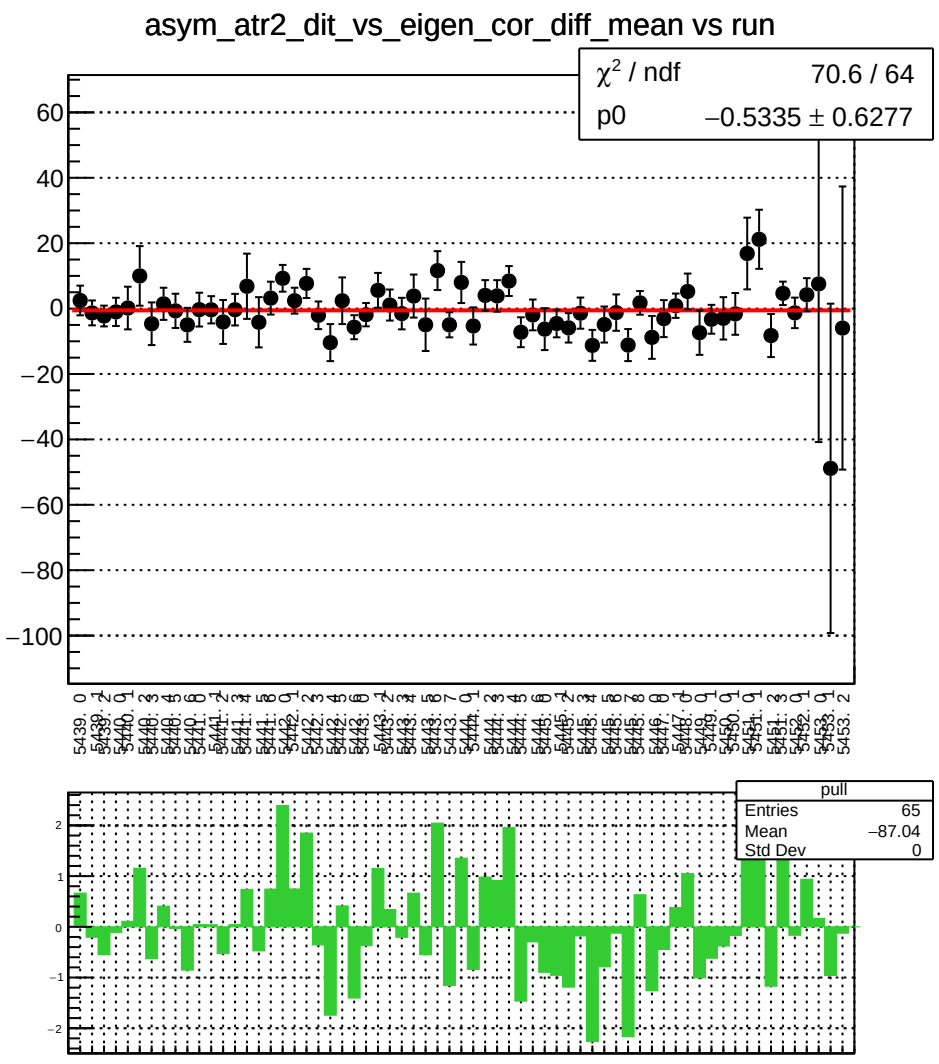

pull1D
Entries 65
Mean 0.1311
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

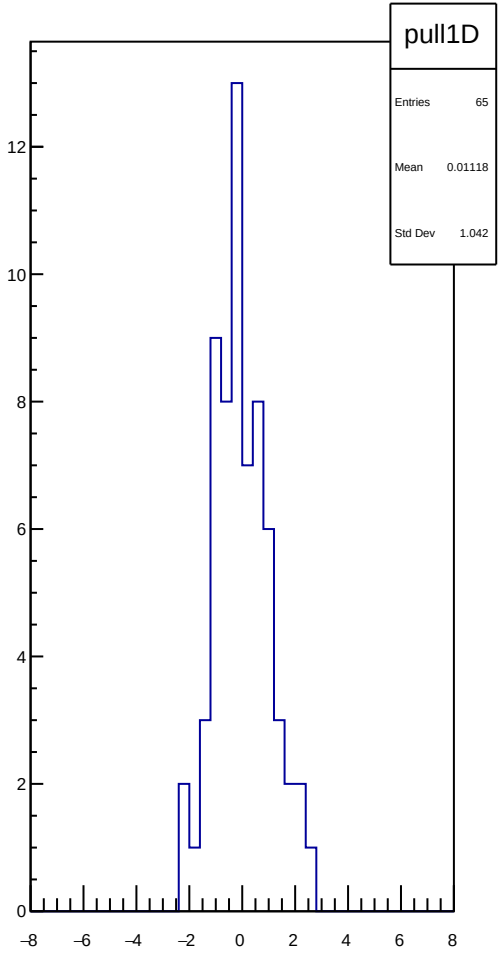

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.202e+05 / 64
p0 1.369e−10 ± 1.945e−13
3
2.5
2
1.5
1
0.5
0

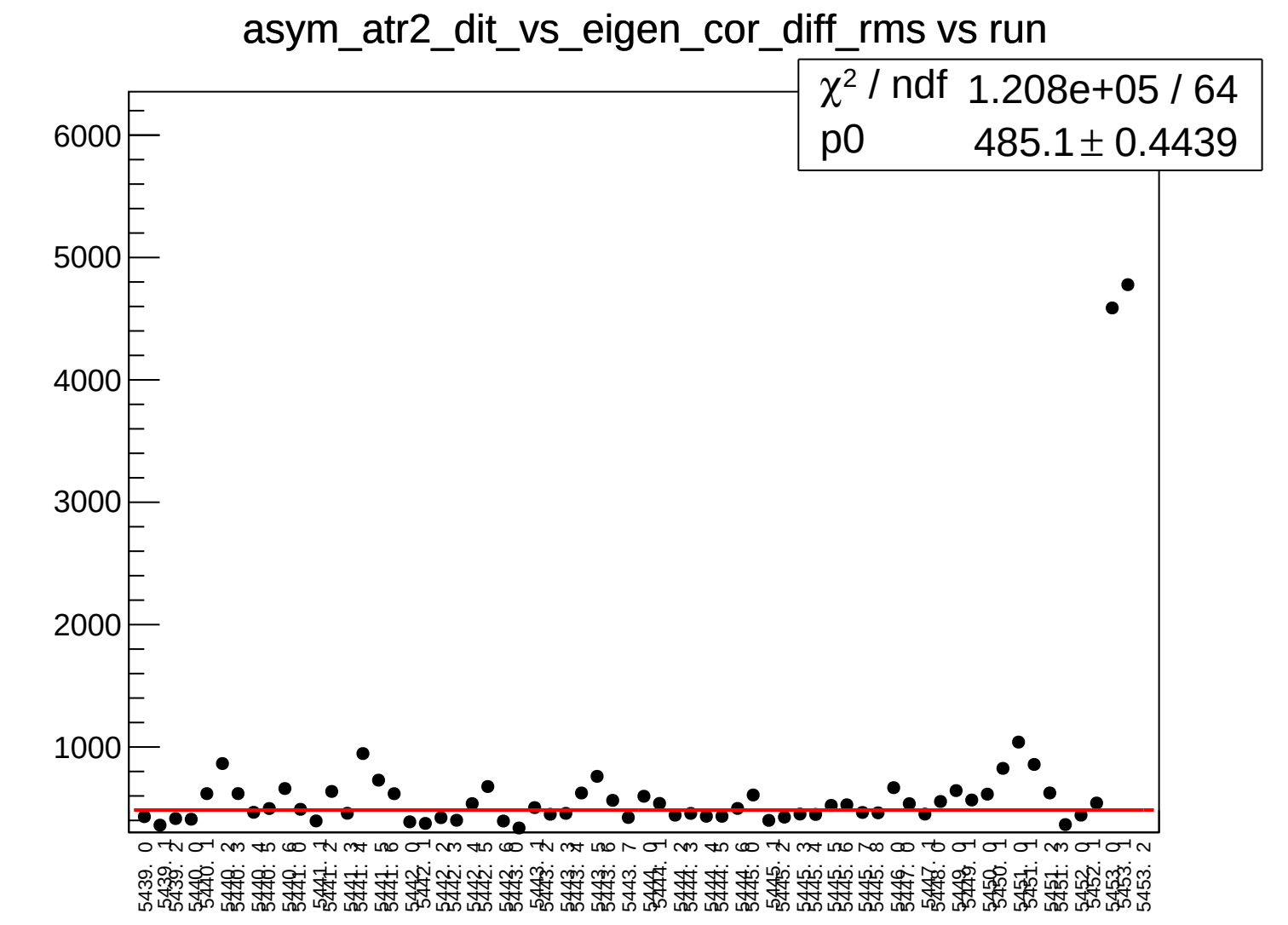

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 70.6 / 64
p0 −0.5335 ± 0.6277
pull
Entries 65
Mean −87.04
Std Dev 0

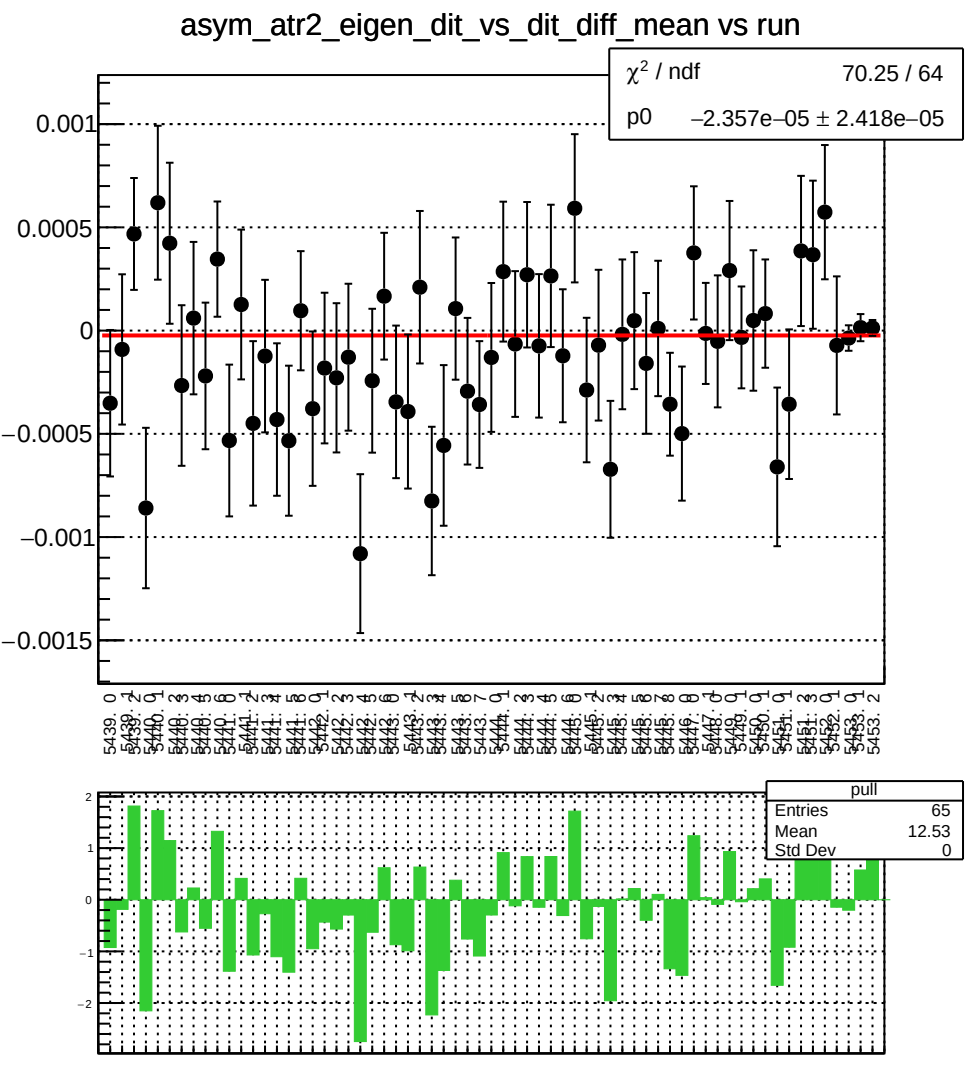

pull1D
Entries 65
Mean 0.01118
Std Dev 1.042

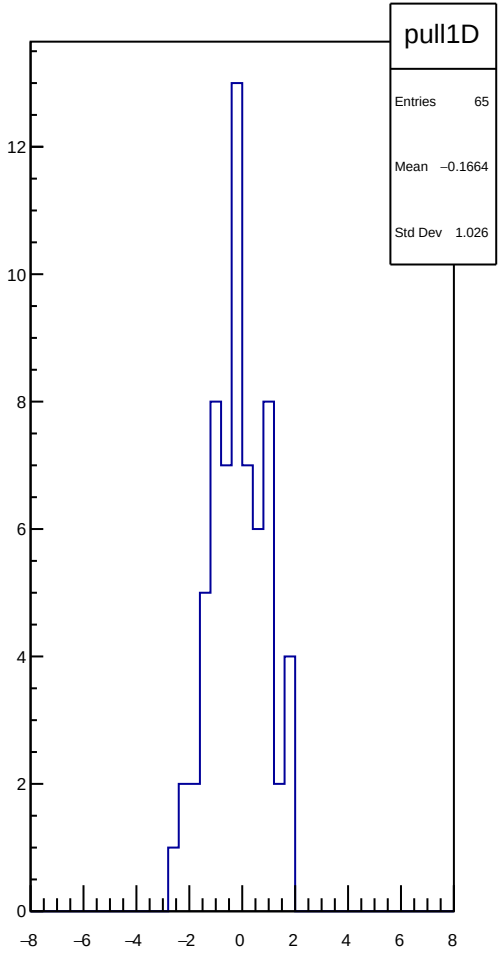

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.208e+05 / 64
p0 485.1 ± 0.4439
6000
5000
4000
3000
2000
1000

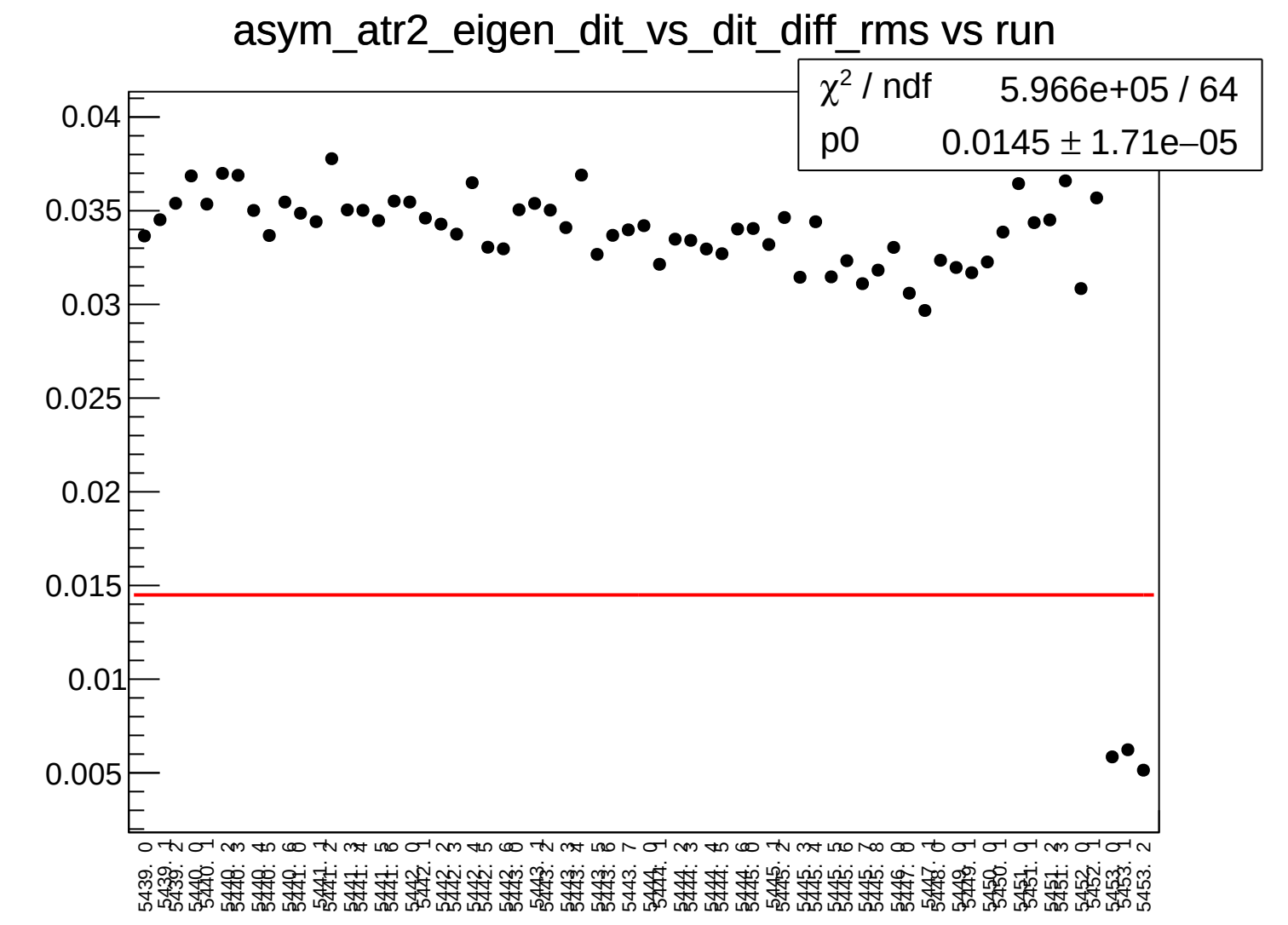

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.6 / 64
p0 −0.5335 ± 0.6277
pull
Entries 65
Mean −87.04
Std Dev 0

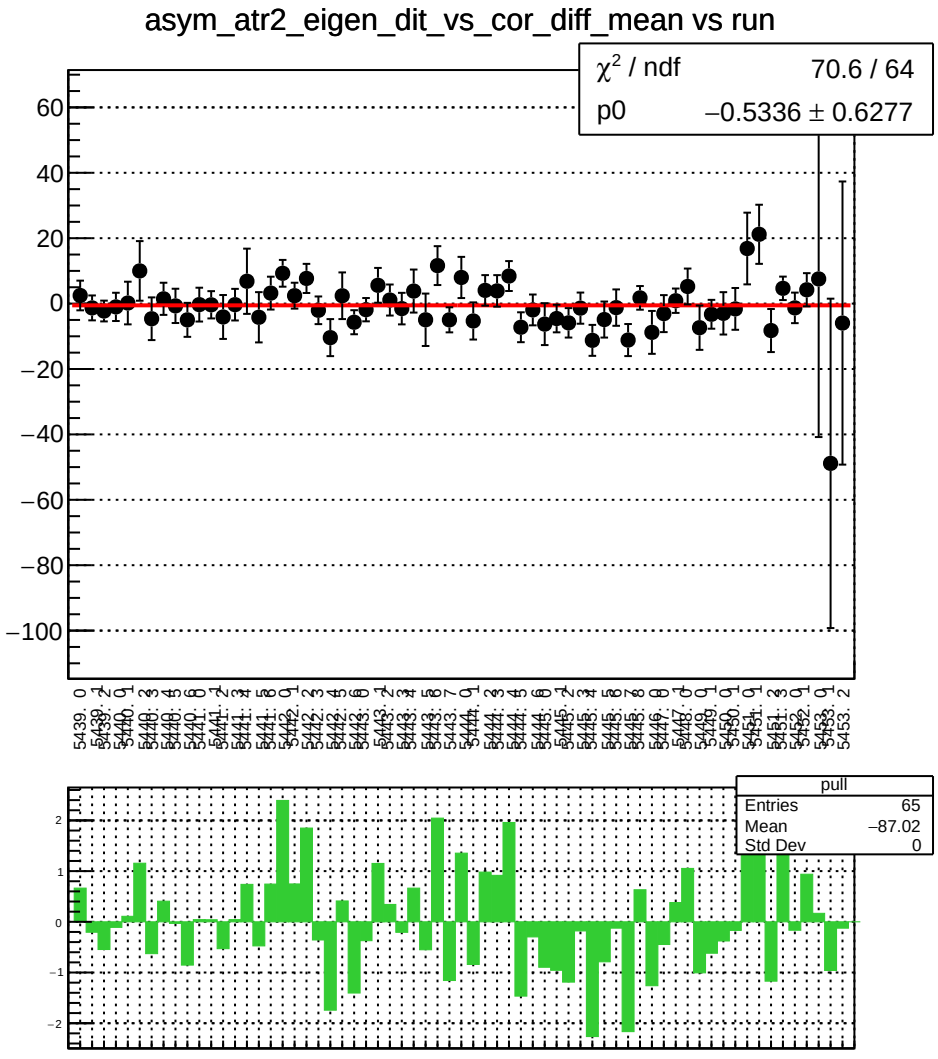

pull1D
Entries 65
Mean 0.01118
Std Dev 1.042

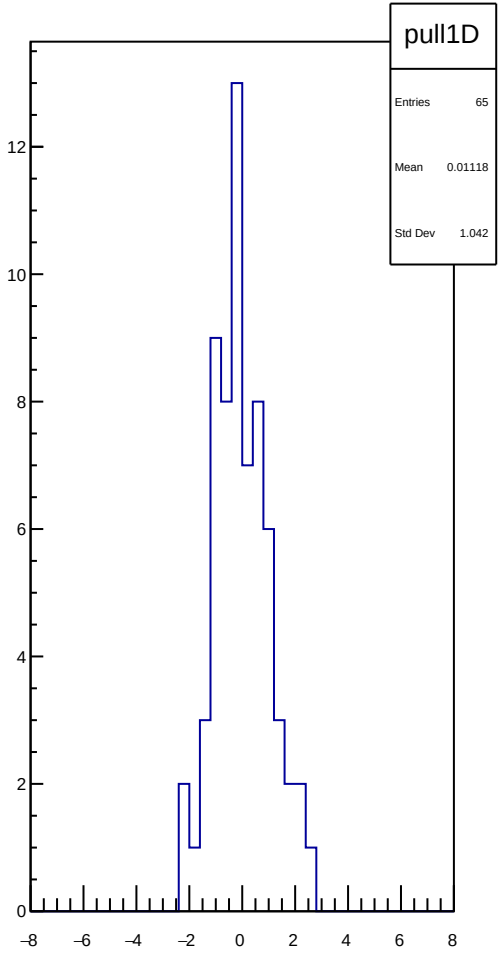

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.208e+05 / 64
p0 485.1 ± 0.4439
6000
5000
4000
3000
2000
1000

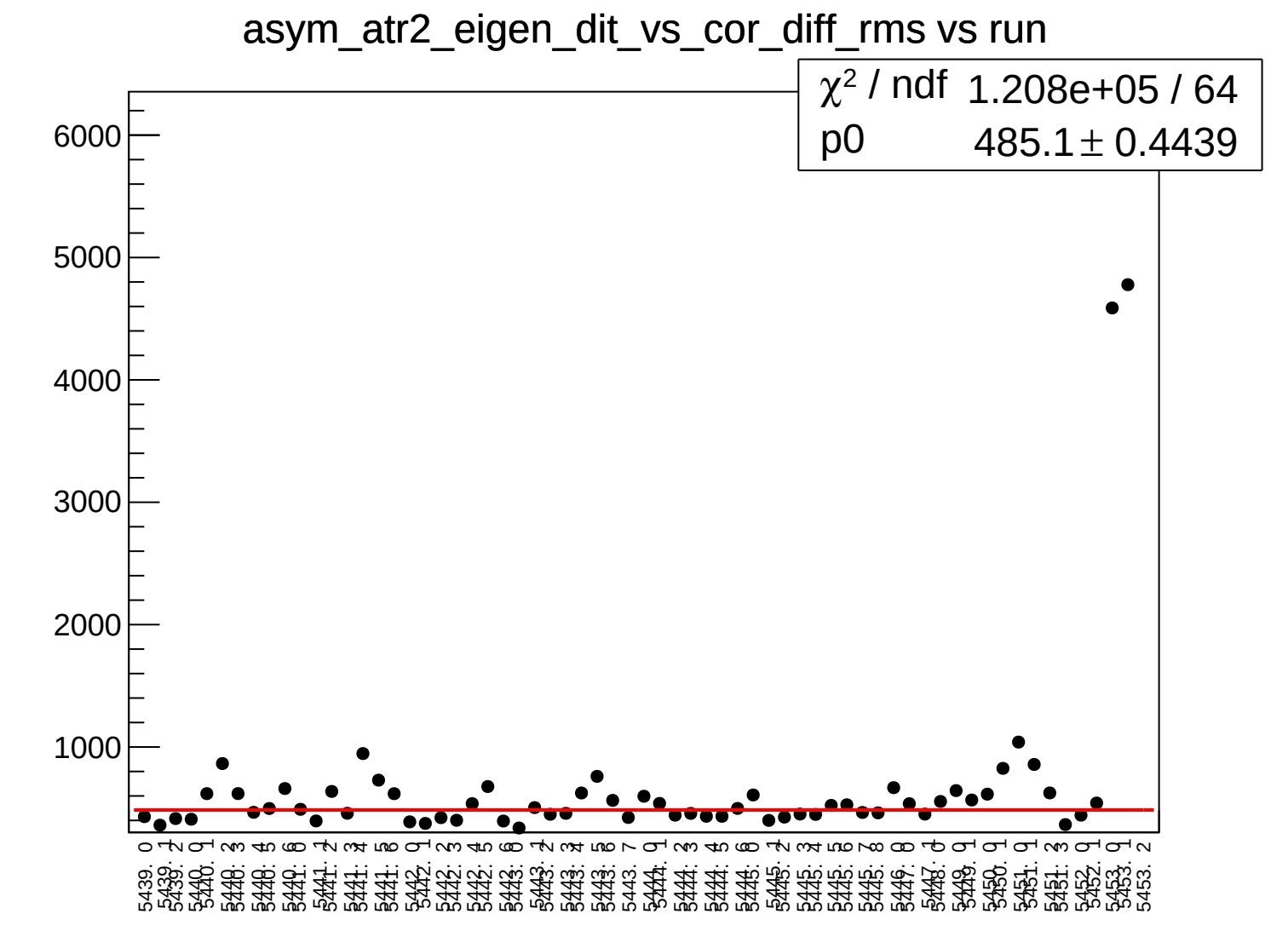

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 70.25 / 64
p0 −2.357e−05 ± 2.418e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 12.53
Std Dev 0

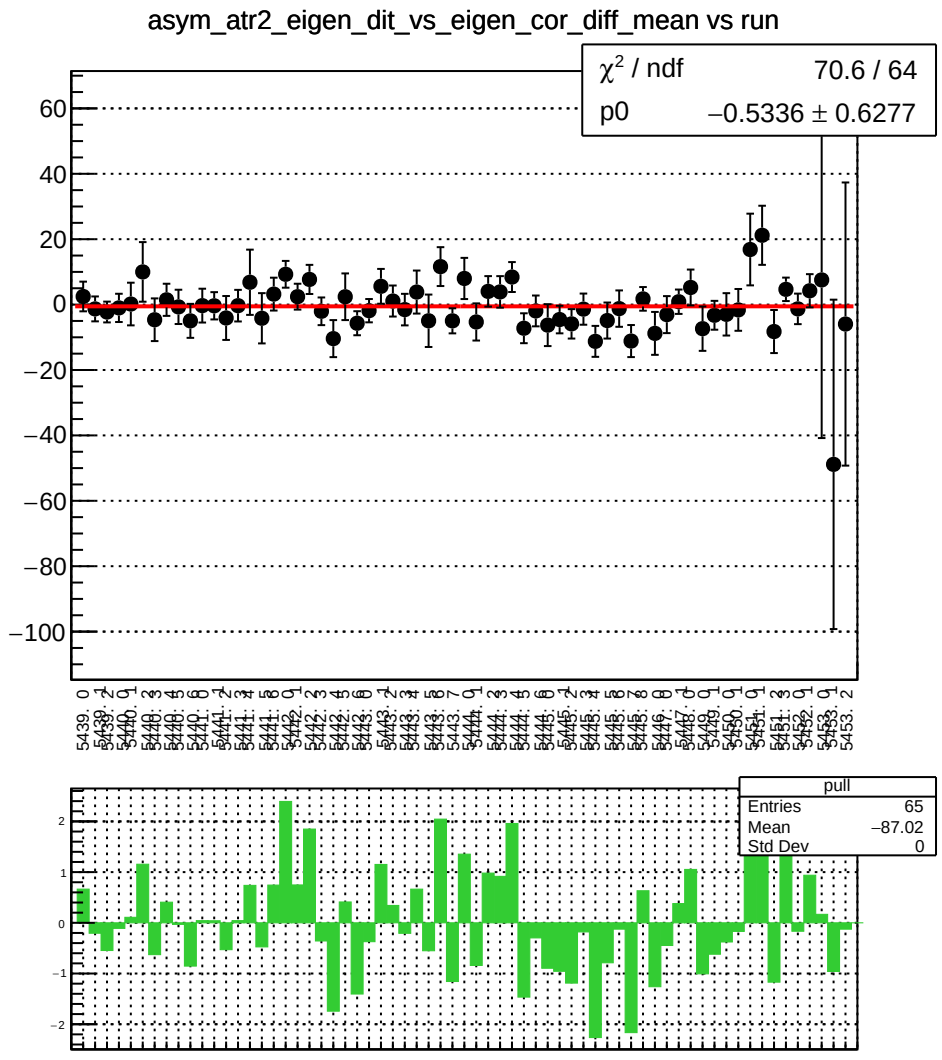

pull1D
Entries 65
Mean −0.1664
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

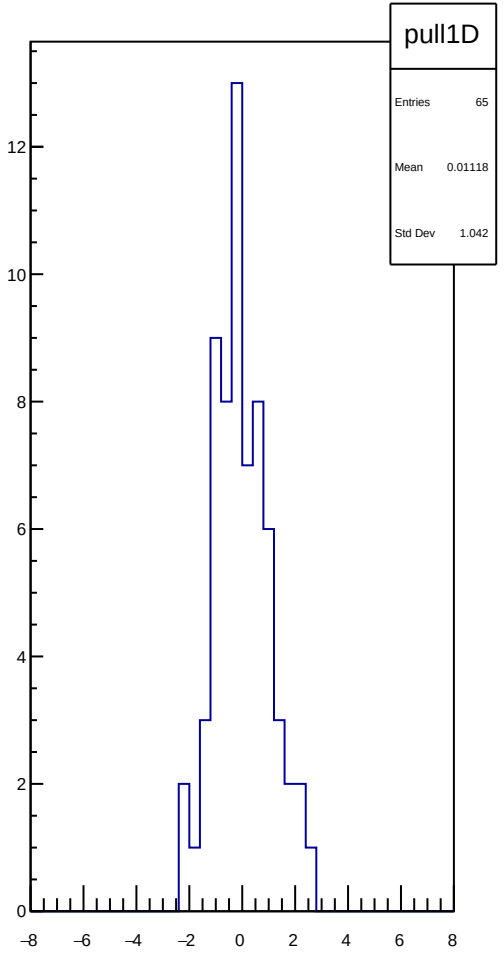

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.966e+05 / 64
p0 0.0145 ± 1.71e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

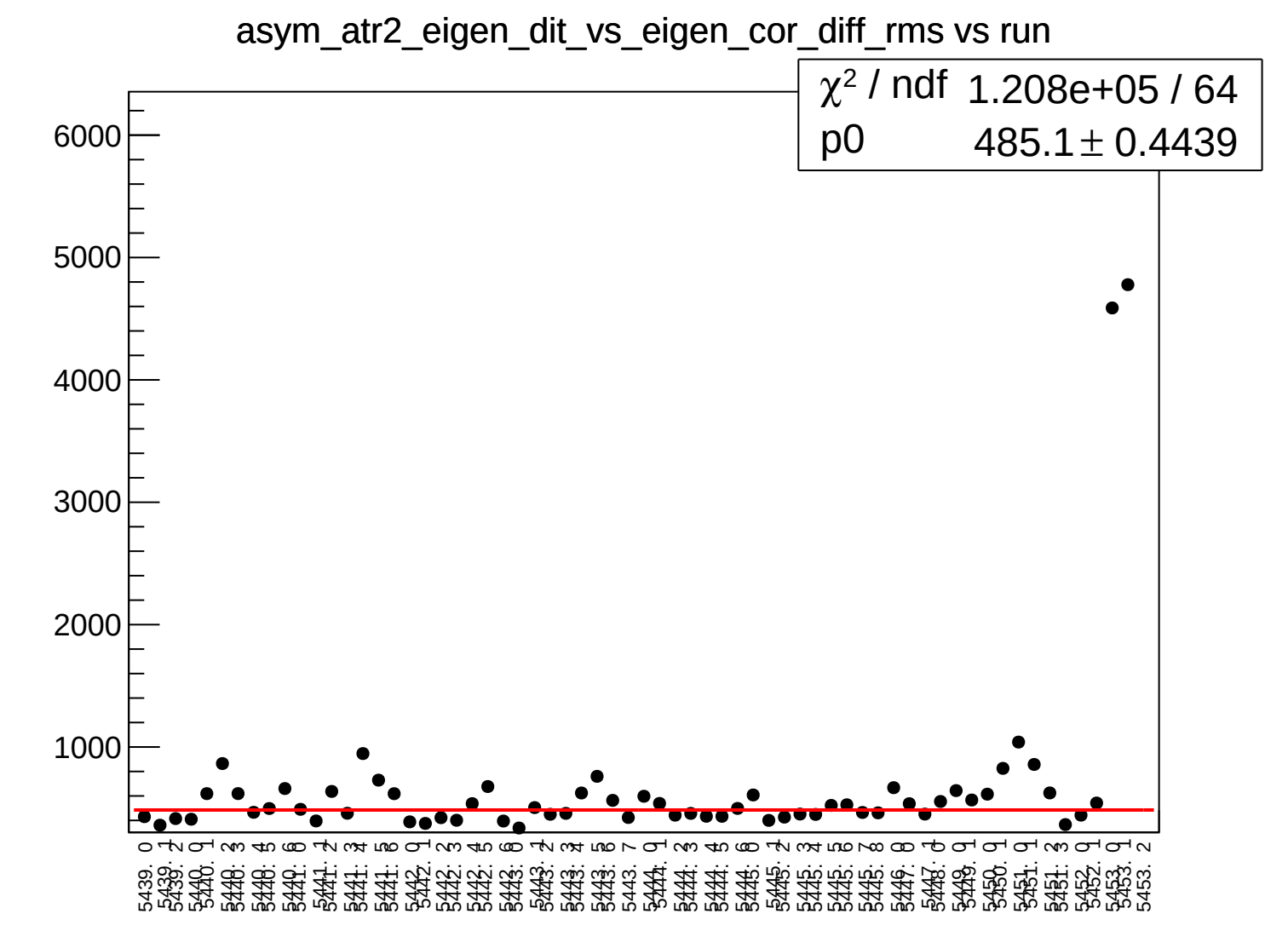

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.6 / 64
p0 −0.5336 ± 0.6277
pull
Entries 65
Mean −87.02
Std Dev 0

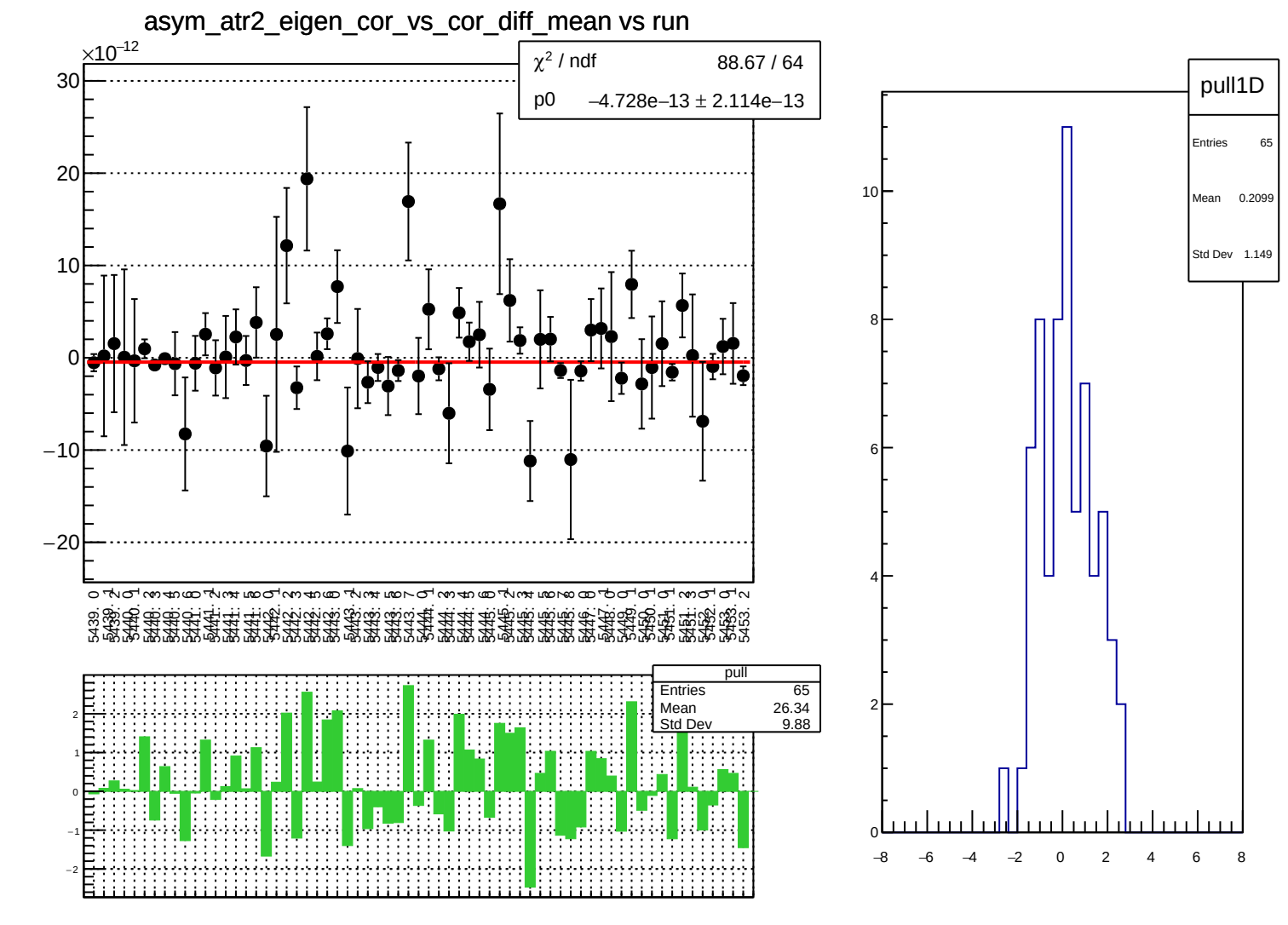

pull1D
Entries 65
Mean 0.01118
Std Dev 1.042

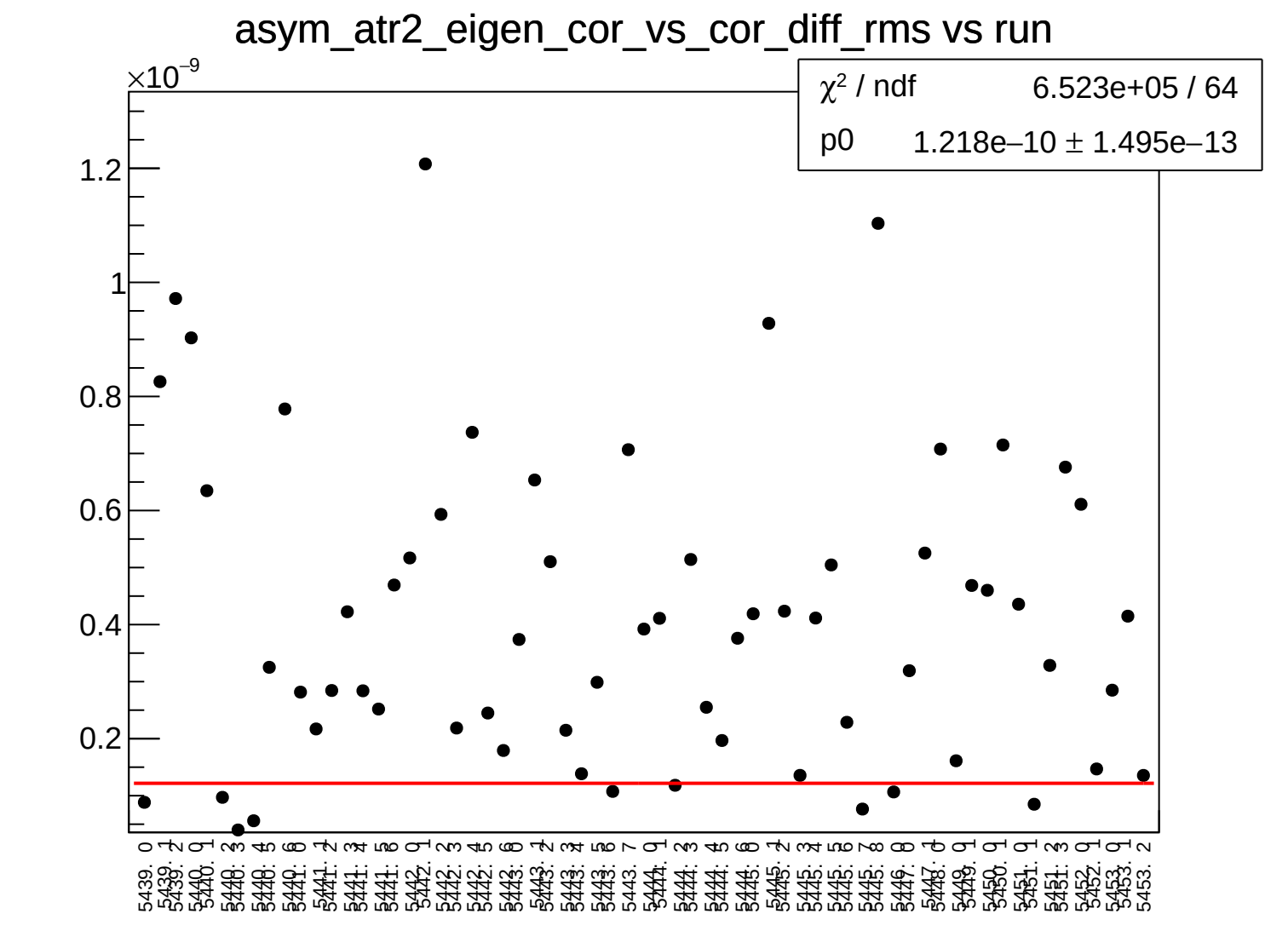

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.208e+05 / 64
p0 485.1 ± 0.4439
6000
5000
4000
3000
2000
1000

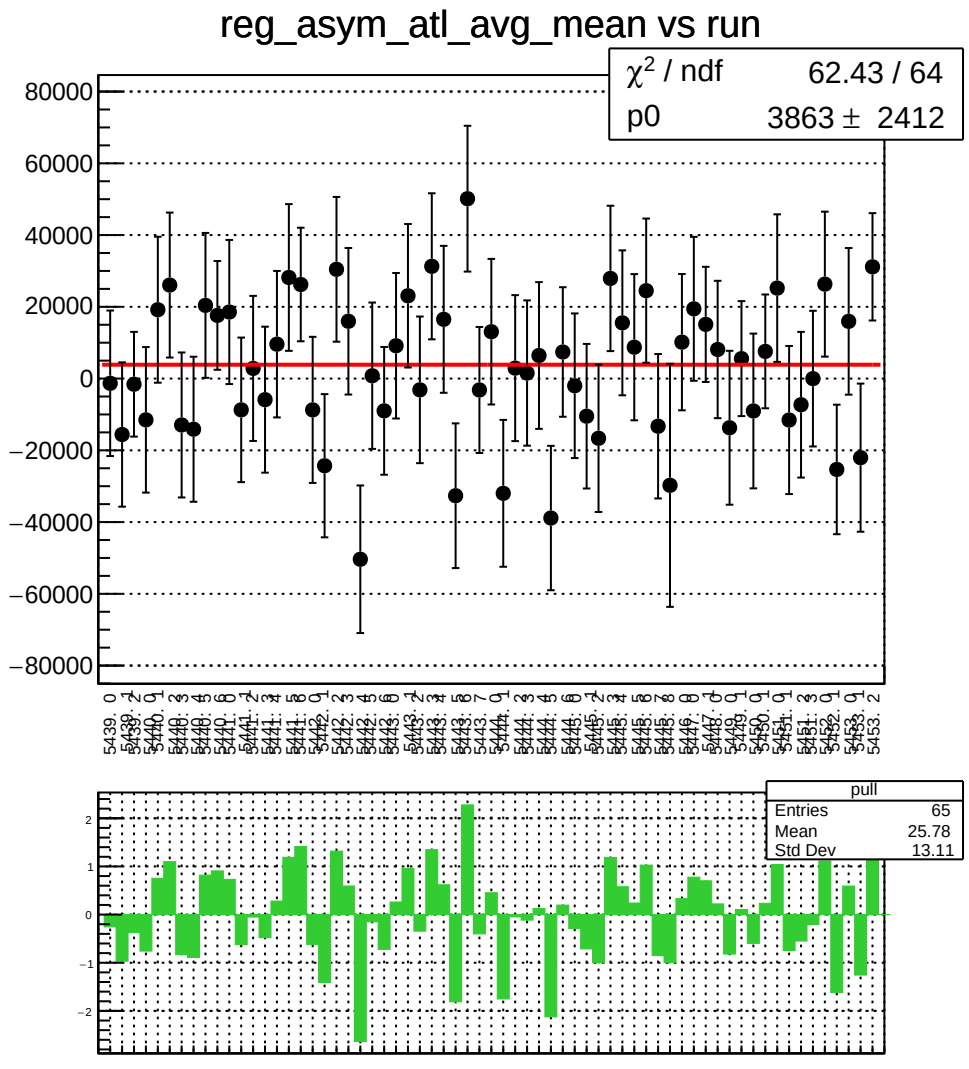

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.6 / 64
p0 −0.5336 ± 0.6277
pull
Entries 65
Mean −87.02
Std Dev 0

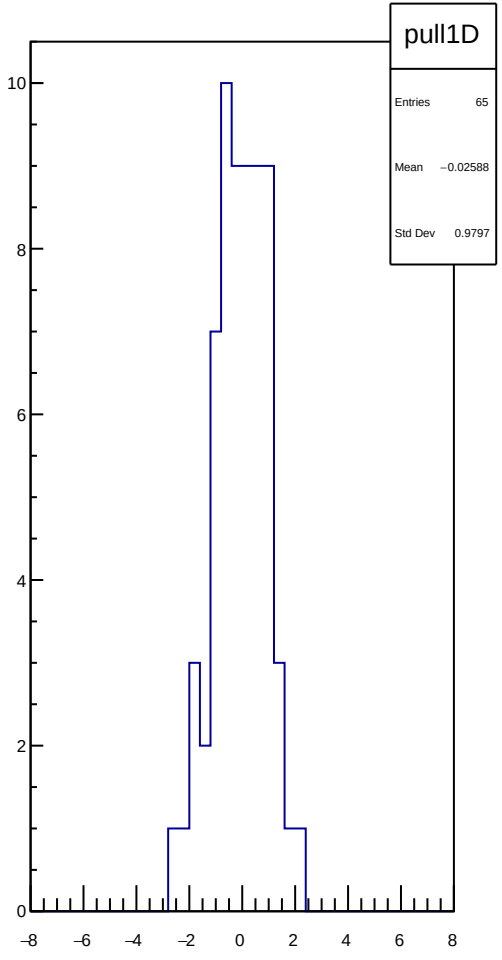

pull1D
Entries 65
Mean 0.01118
Std Dev 1.042

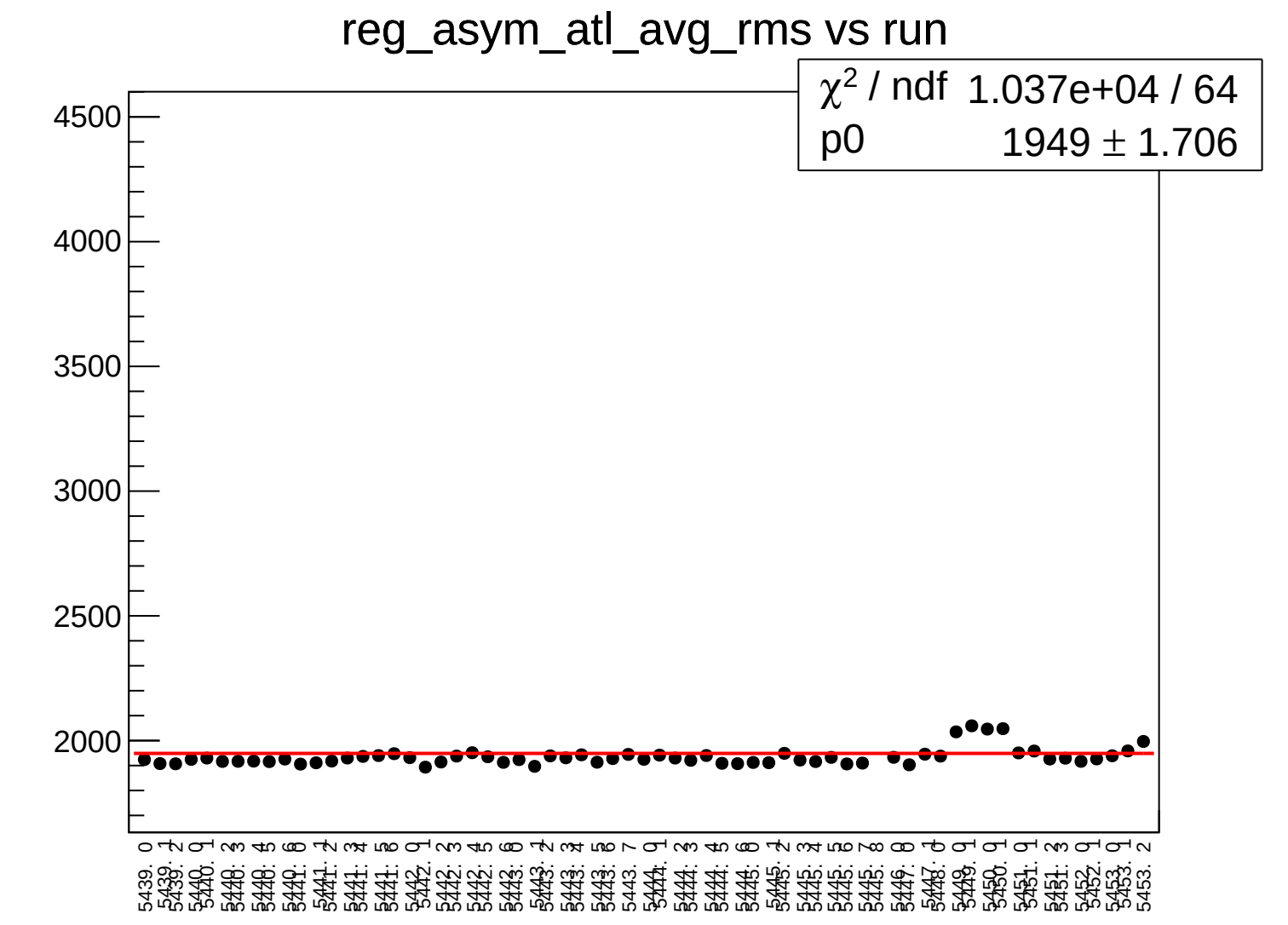

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.208e+05 / 64
p0 485.1 ± 0.4439
6000
5000
4000
3000
2000
1000

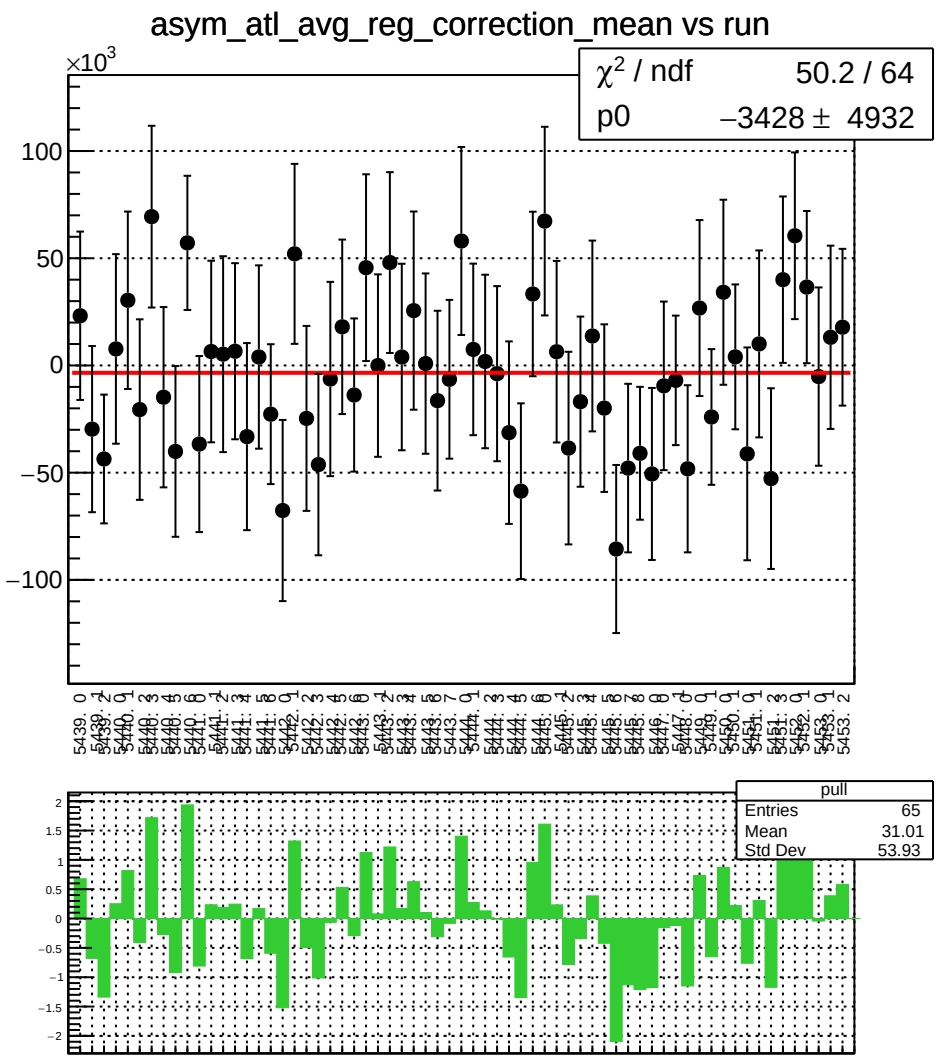

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.67 / 64
p0 −4.728e−13 ± 2.114e−13
pull
Entries 65
Mean 26.34
Std Dev 9.88
pull1D
Entries 65
Mean 0.2099
Std Dev 1.149

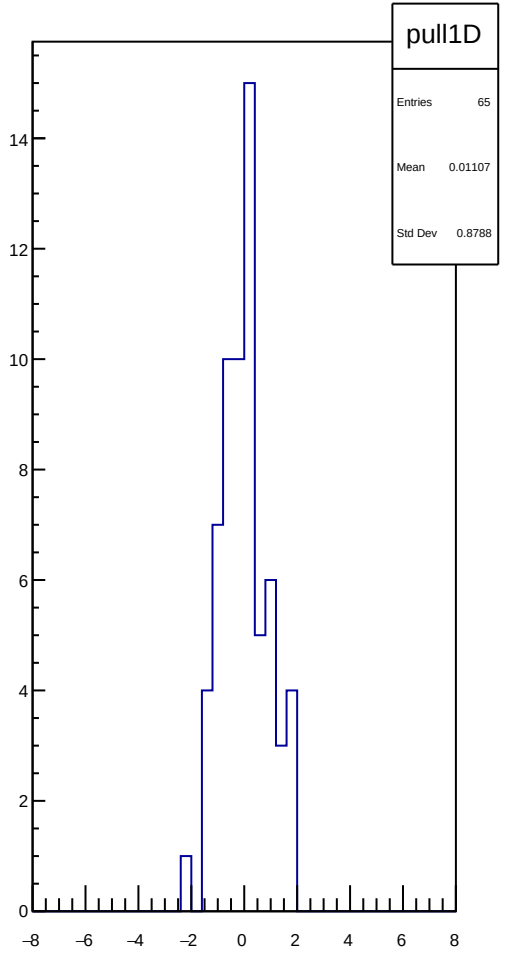

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.523e+05 / 64
p0 1.218e−10 ± 1.495e−13
1.2
1
0.8
0.6
0.4
0.2

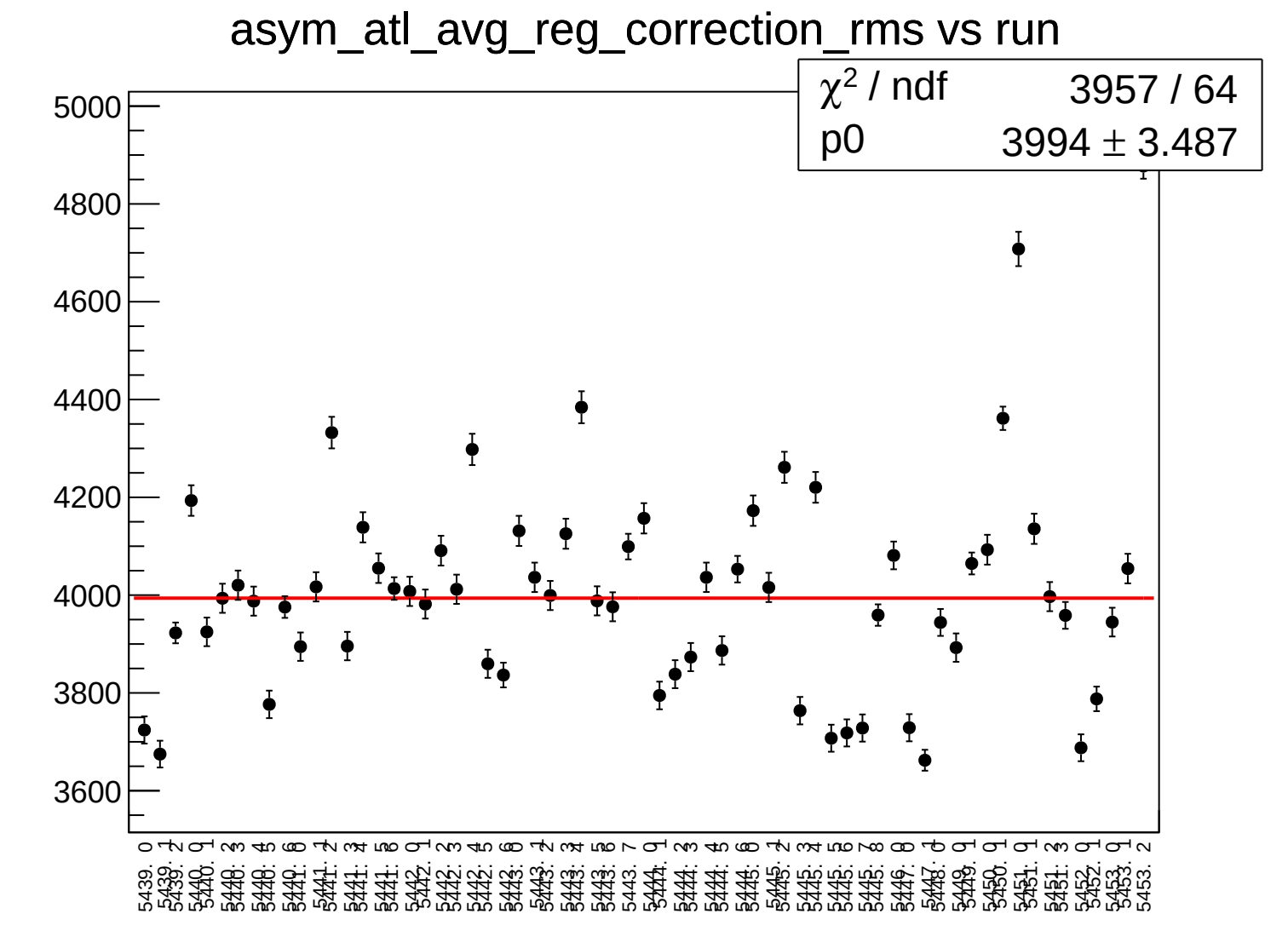

reg_asym_atl_avg_mean vs run
χ² / ndf 62.43 / 64
p0 3863 ± 2412
pull
Entries 65
Mean 25.78
Std Dev 13.11

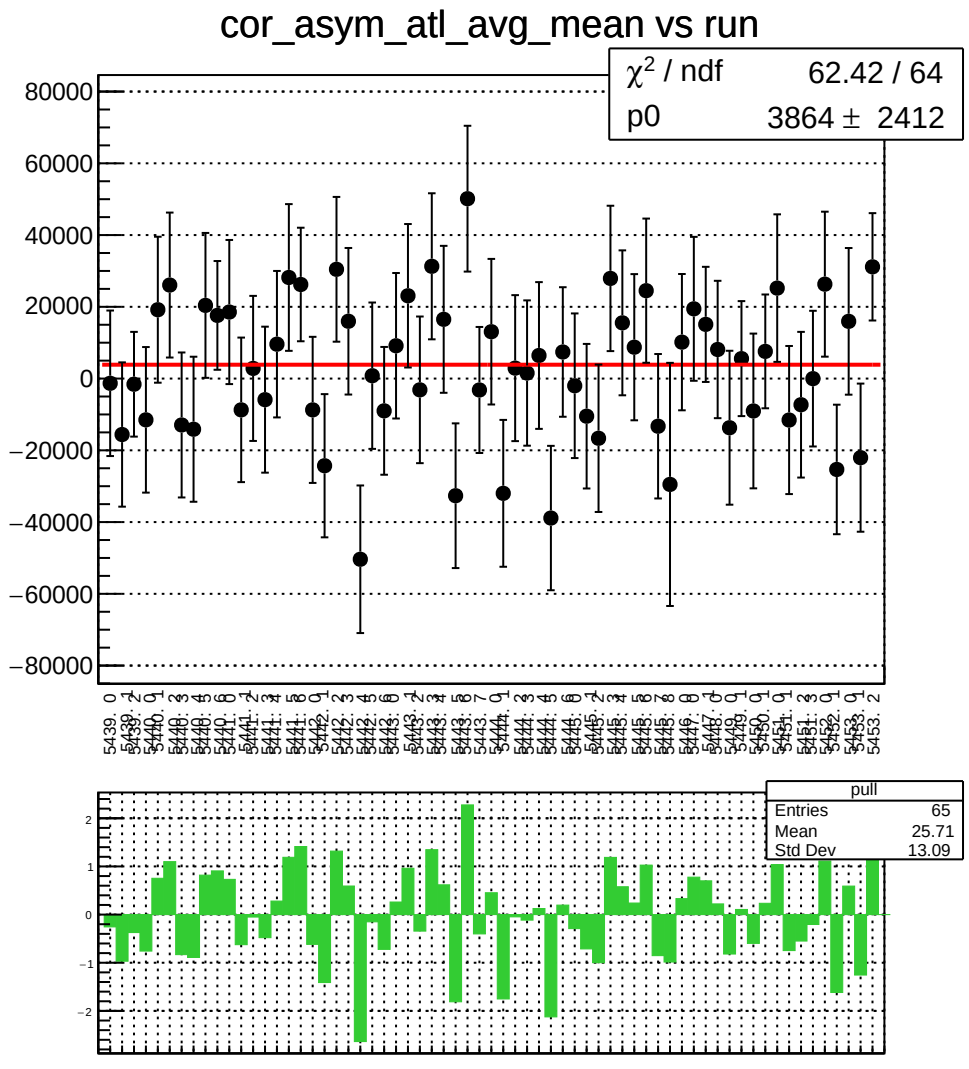

pull1D
Entries 65
Mean −0.02588
Std Dev 0.9797

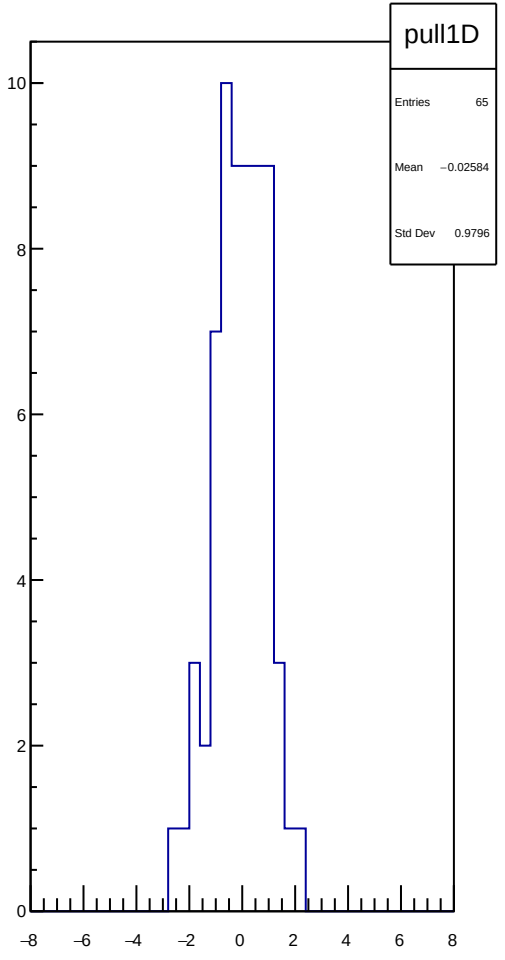

reg_asym_atl_avg_rms vs run
χ² / ndf 1.037e+04 / 64
p0 1949 ± 1.706
4500
4000
3500
3000
2500
2000

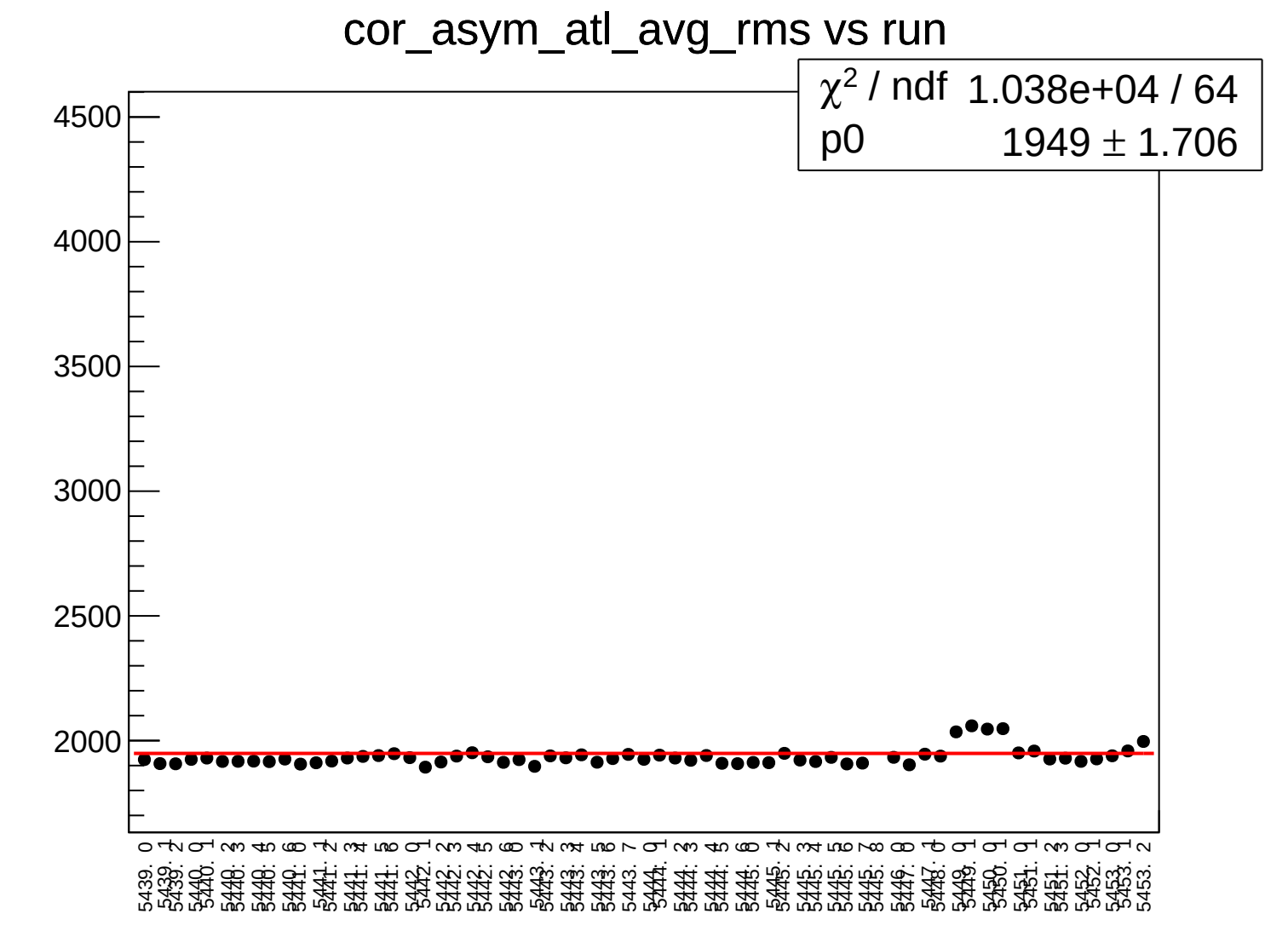

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 50.2 / 64
p0 −3428 ± 4932
100
50
0
−50
−100
pull
Entries 65
Mean 31.01
Std Dev 53.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

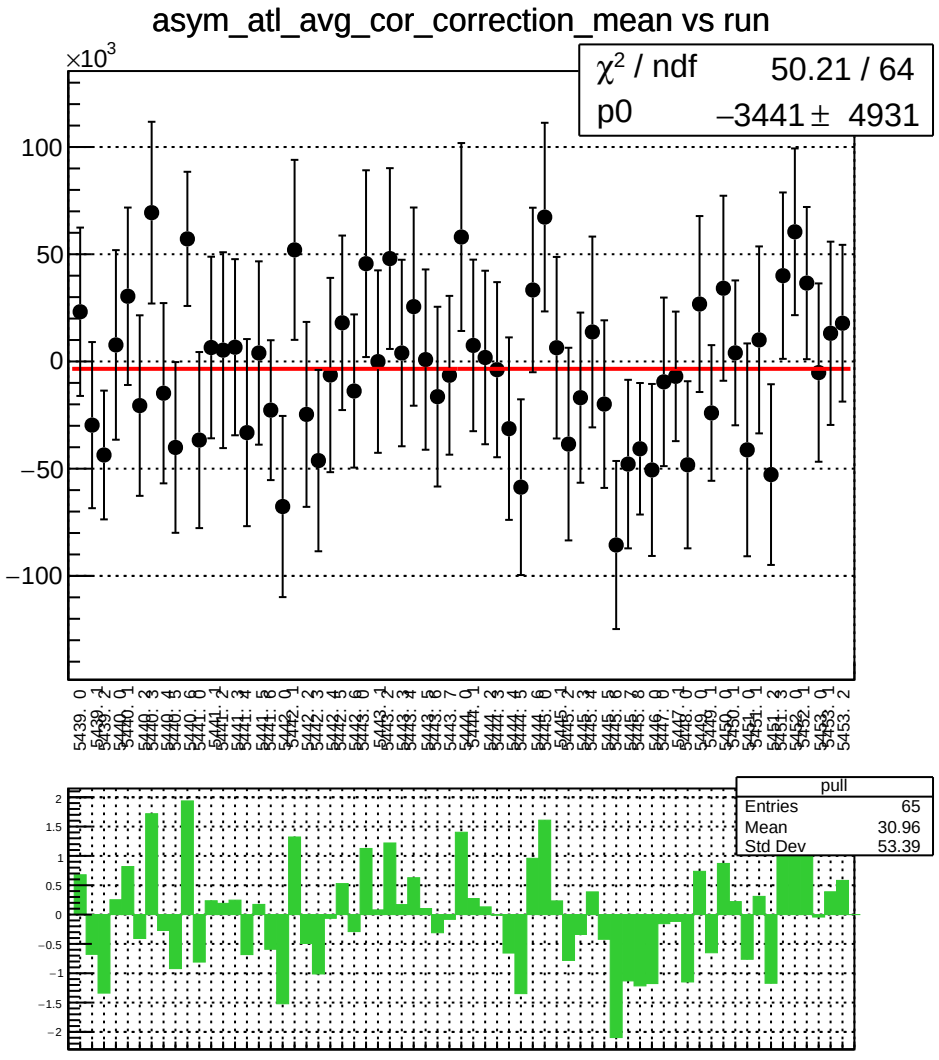

pull1D
Entries 65
Mean 0.01107
Std Dev 0.8788
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

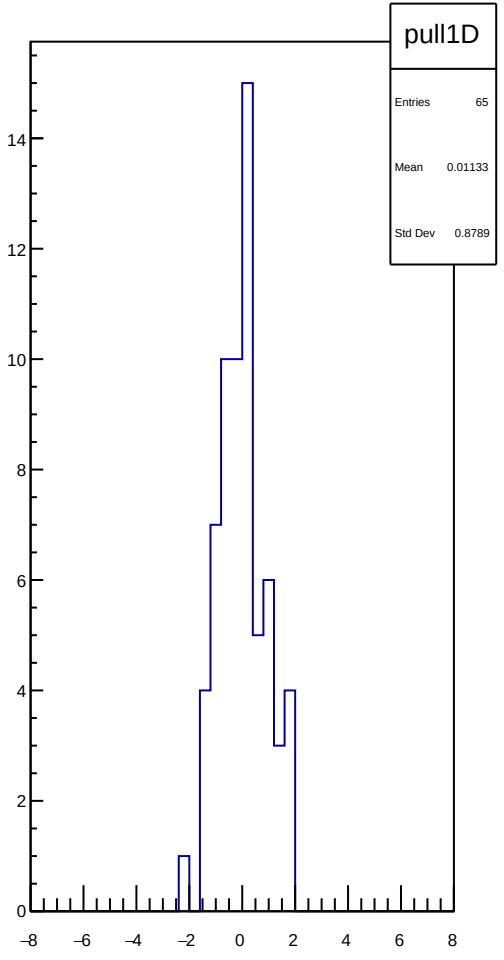

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 3957 / 64
p0 3994 ± 3.487
5000
4800
4600
4400
4200
4000
3800
3600

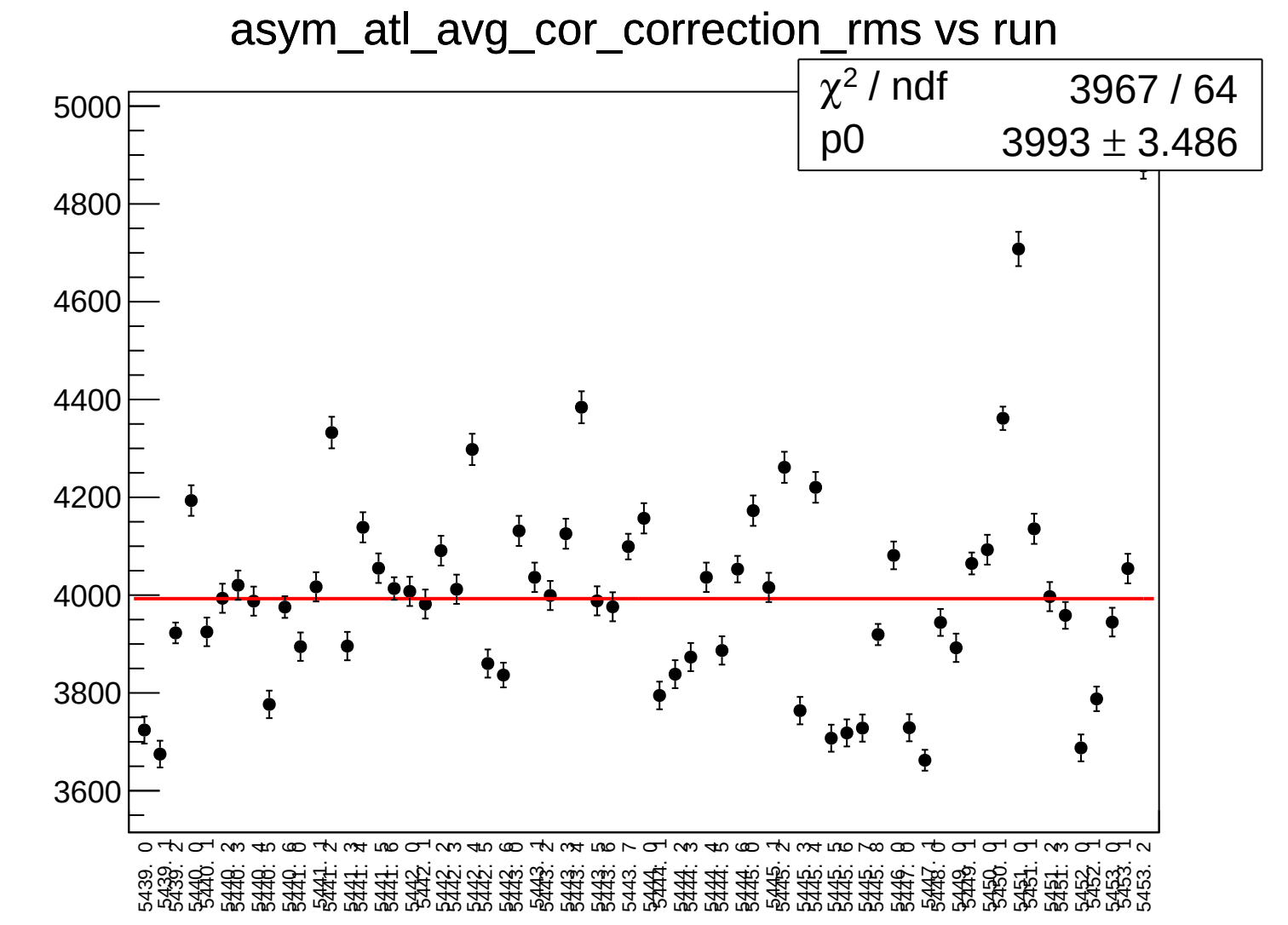

cor_asym_atl_avg_mean vs run
χ² / ndf 62.42 / 64
p0 3864 ± 2412
pull
Entries 65
Mean 25.71
Std Dev 13.09

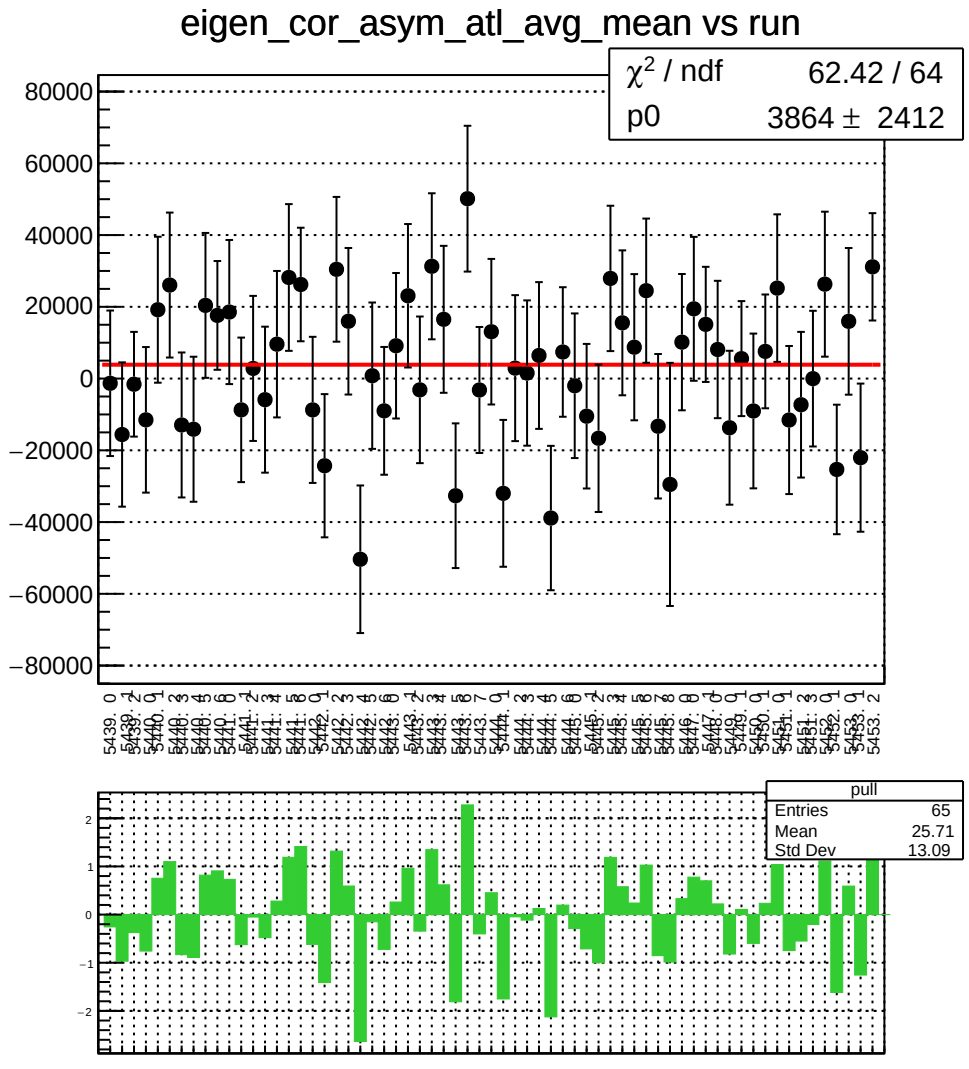

pull1D
Entries 65
Mean −0.02584
Std Dev 0.9796

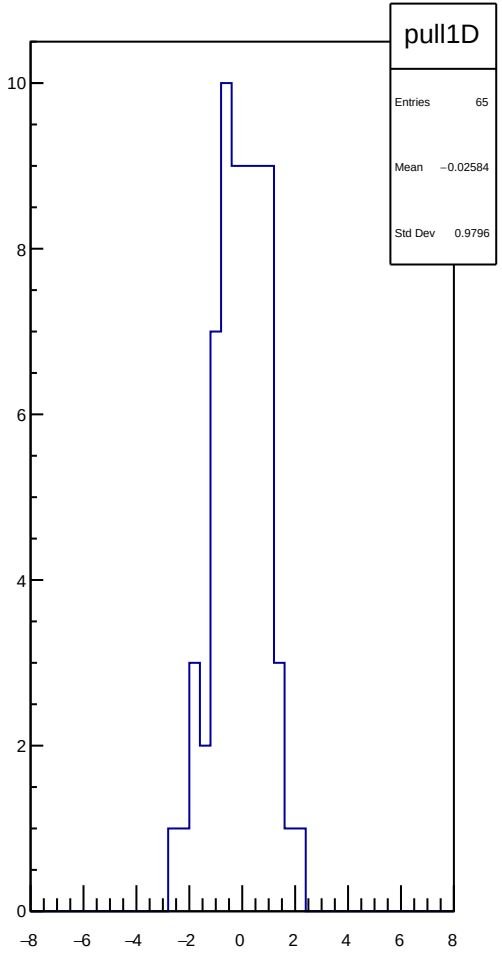

cor_asym_atl_avg_rms vs run
χ² / ndf 1.038e+04 / 64
p0 1949 ± 1.706
4500
4000
3500
3000
2500
2000

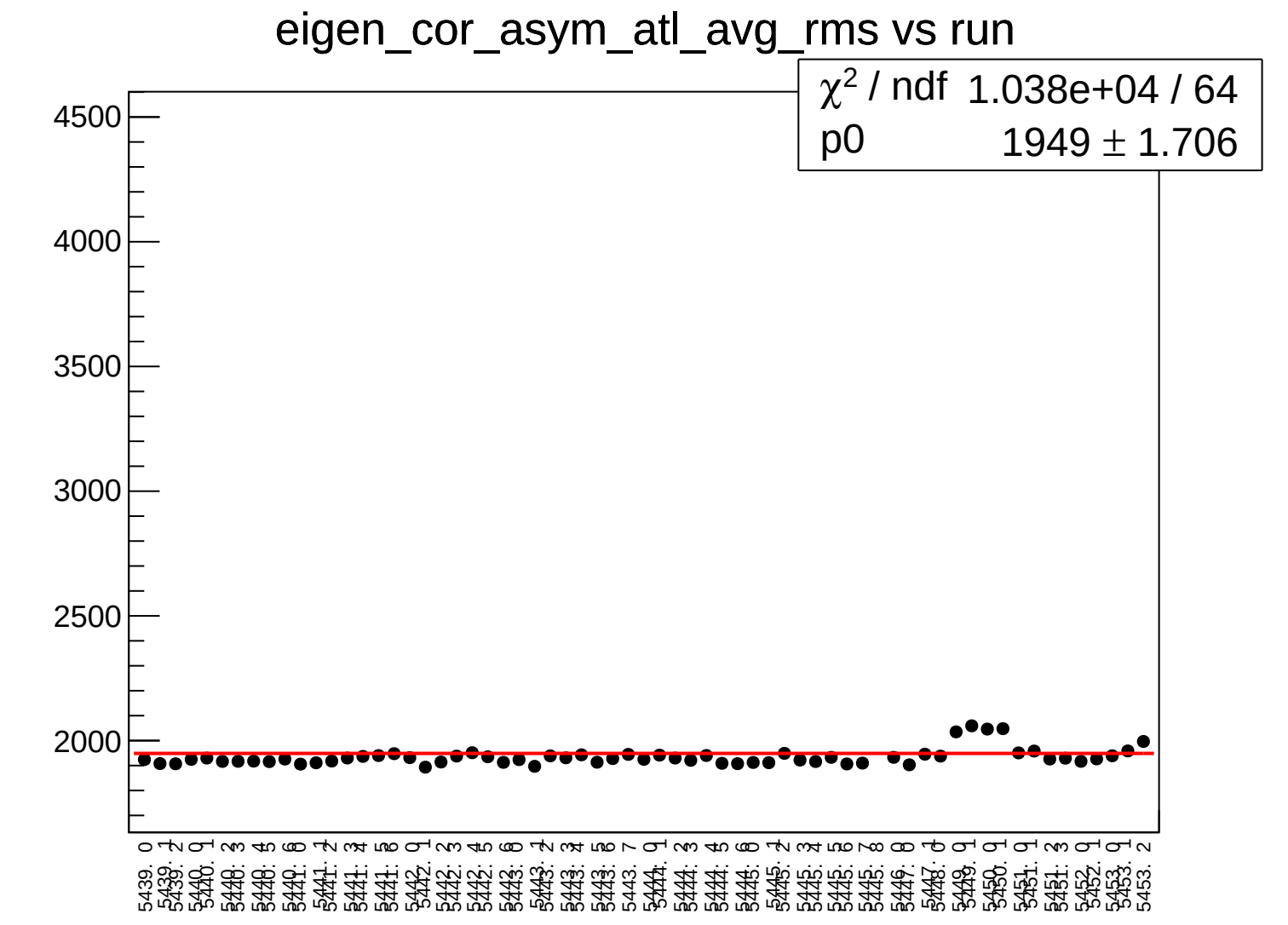

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 50.21 / 64
p0 −3441 ± 4931
pull
Entries 65
Mean 30.96
Std Dev 53.39

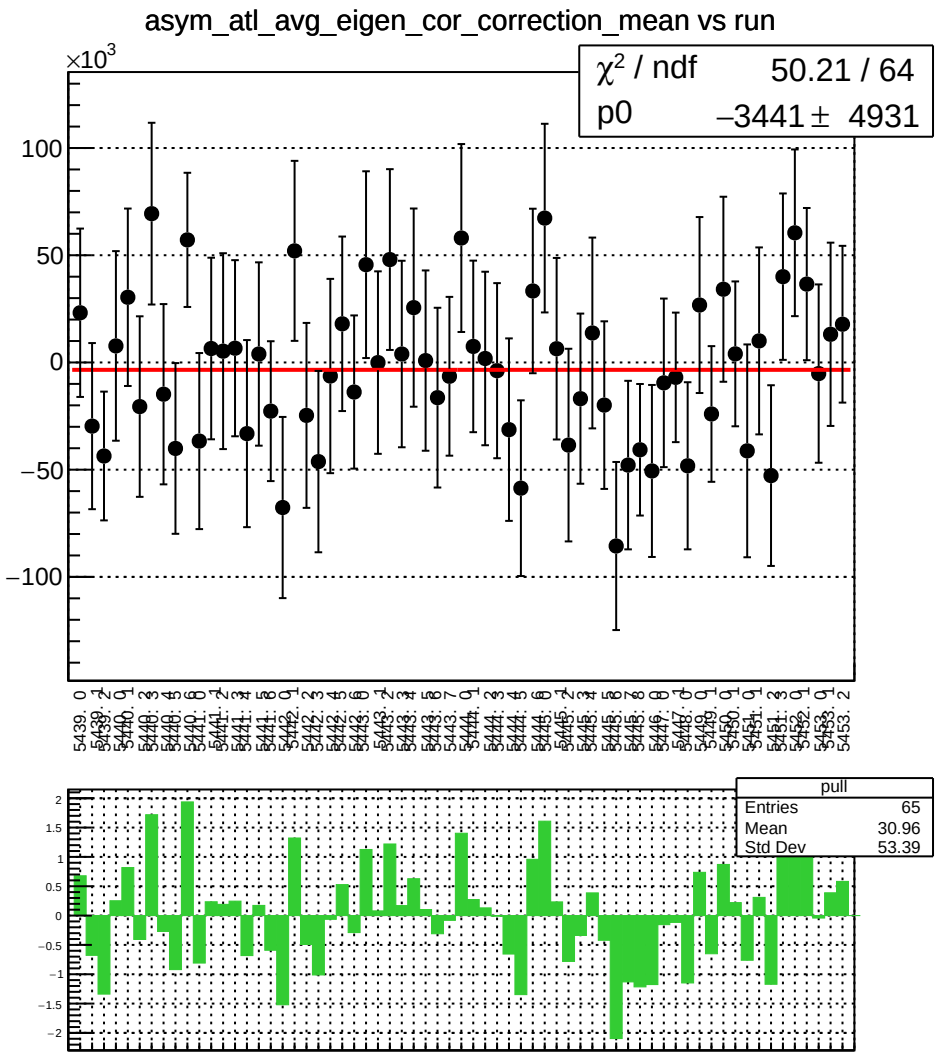

pull1D
Entries 65
Mean 0.01133
Std Dev 0.8789

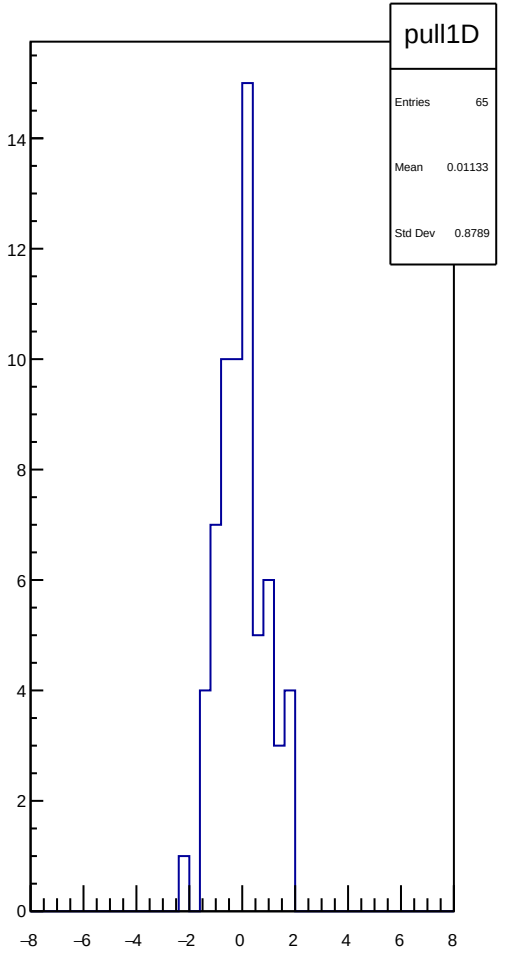

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 3967 / 64
p0 3993 ± 3.486
5000
4800
4600
4400
4200
4000
3800
3600

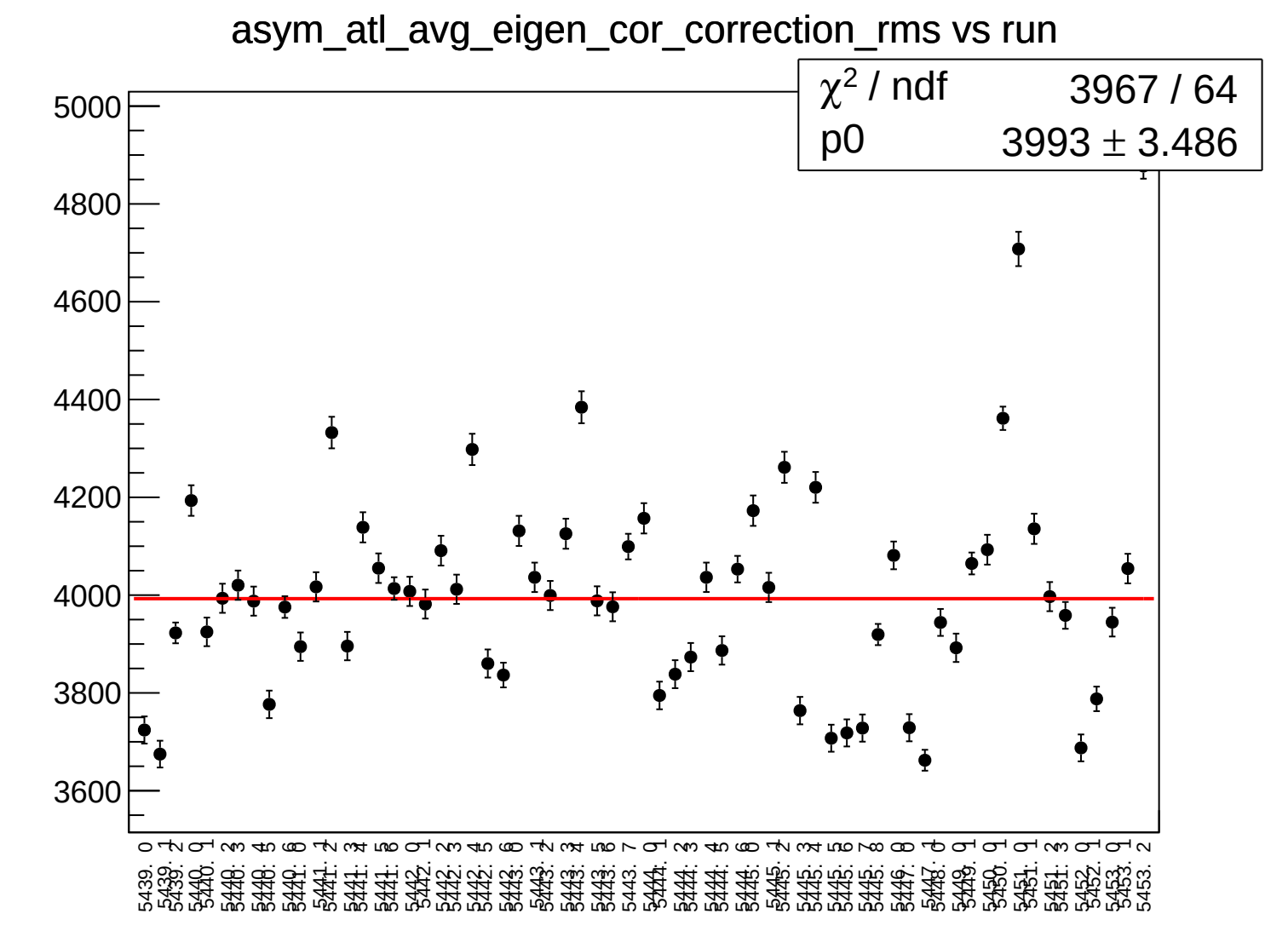

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 62.42 / 64
p0 3864 ± 2412
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 65
Mean 25.71
Std Dev 13.09
2
1
0
−1
−2

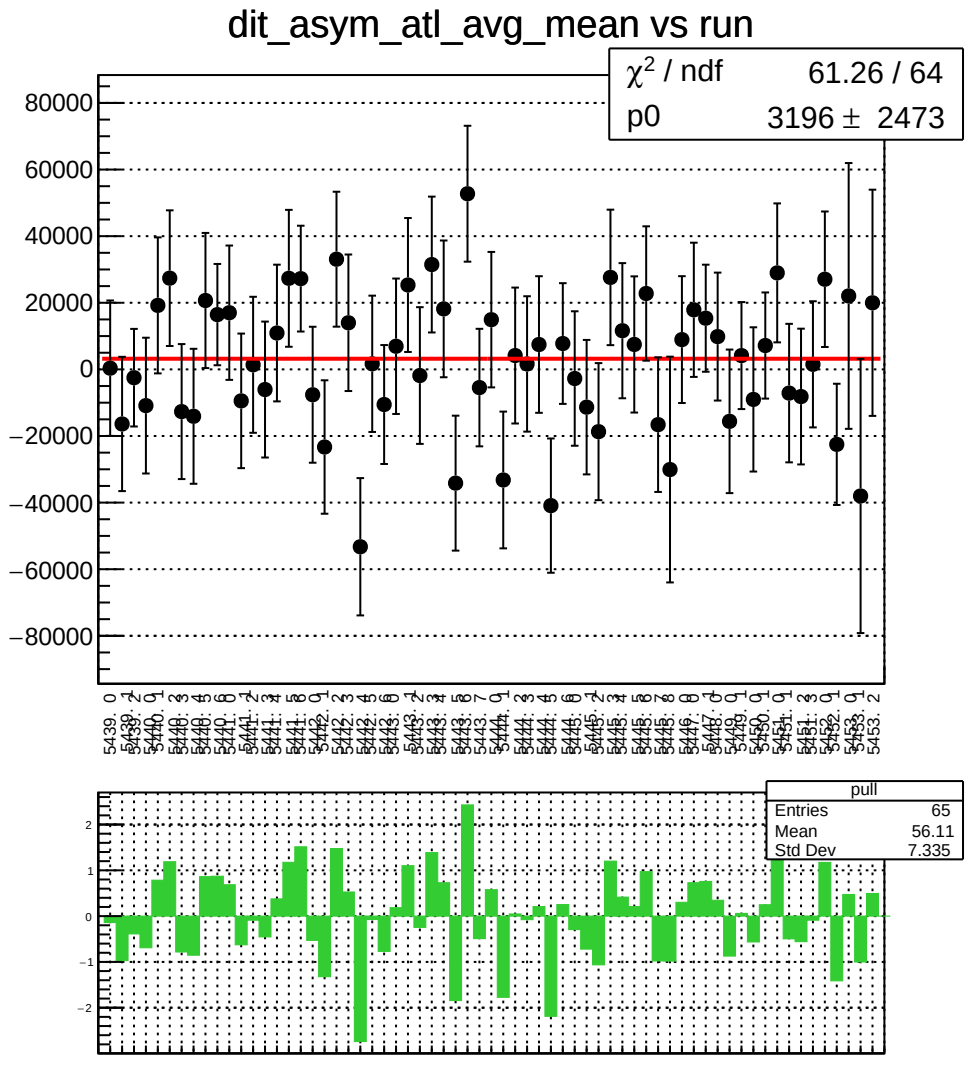

pull1D
Entries 65
Mean −0.02584
Std Dev 0.9796
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

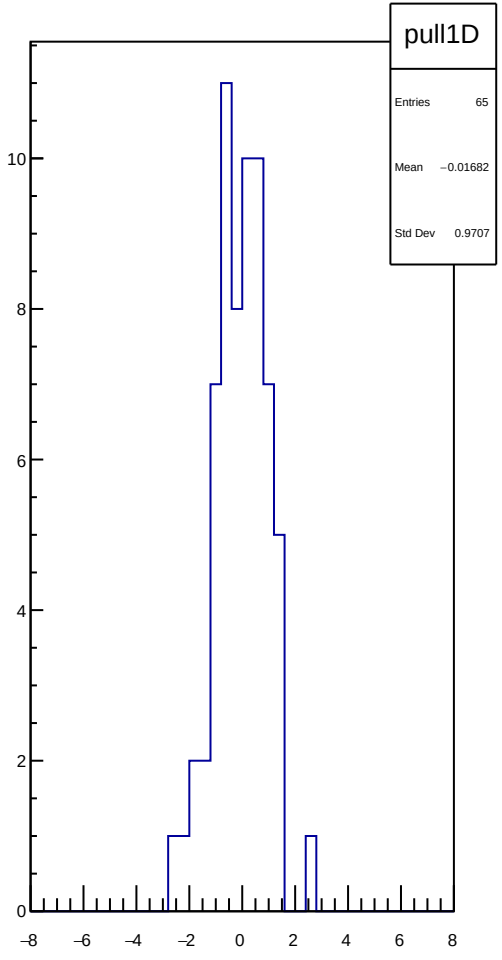

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 1.038e+04 / 64
p0 1949 ± 1.706
4500
4000
3500
3000
2500
2000

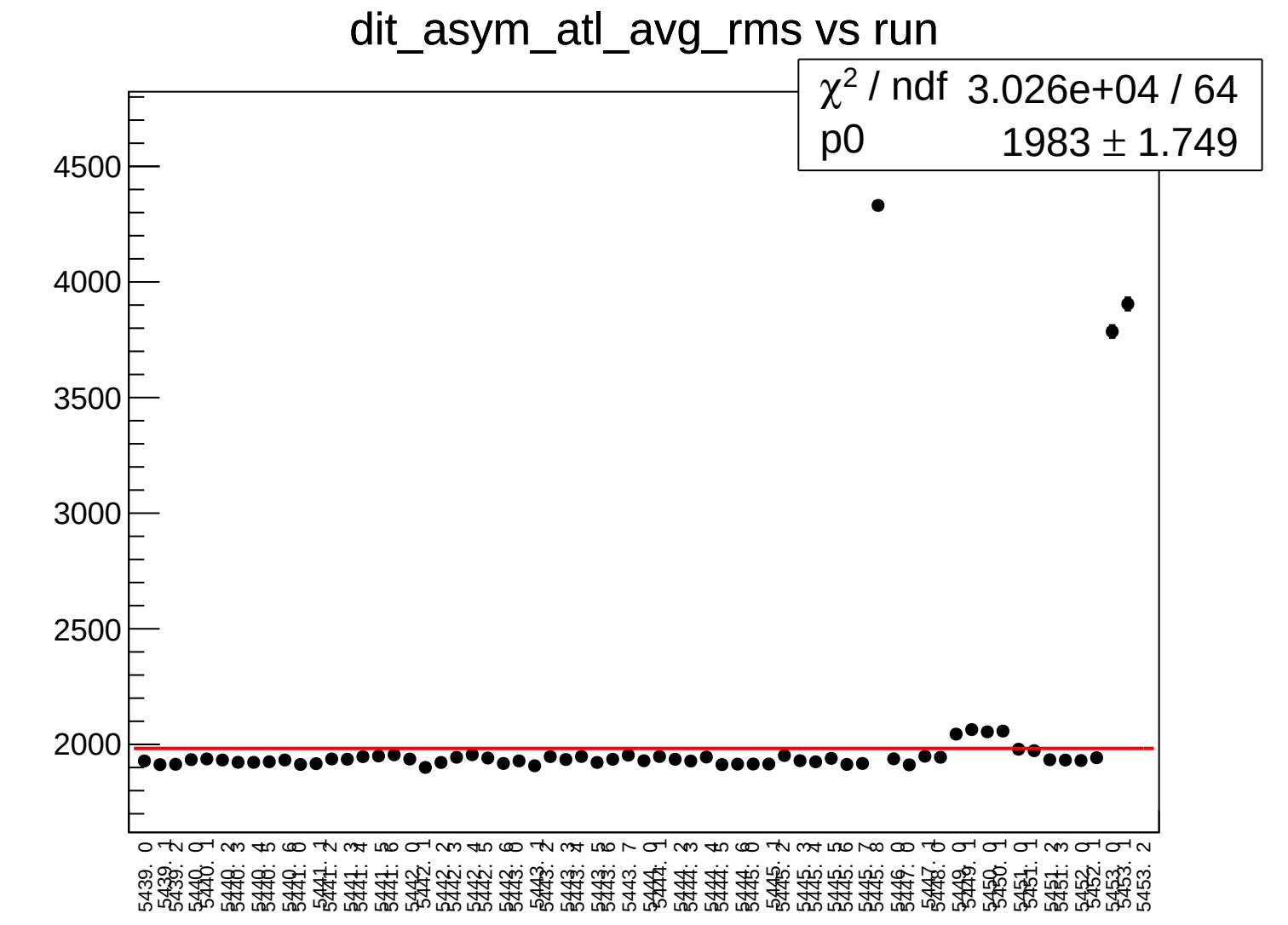

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.21 / 64
p0 −3441 ± 4931
pull
Entries 65
Mean 30.96
Std Dev 53.39

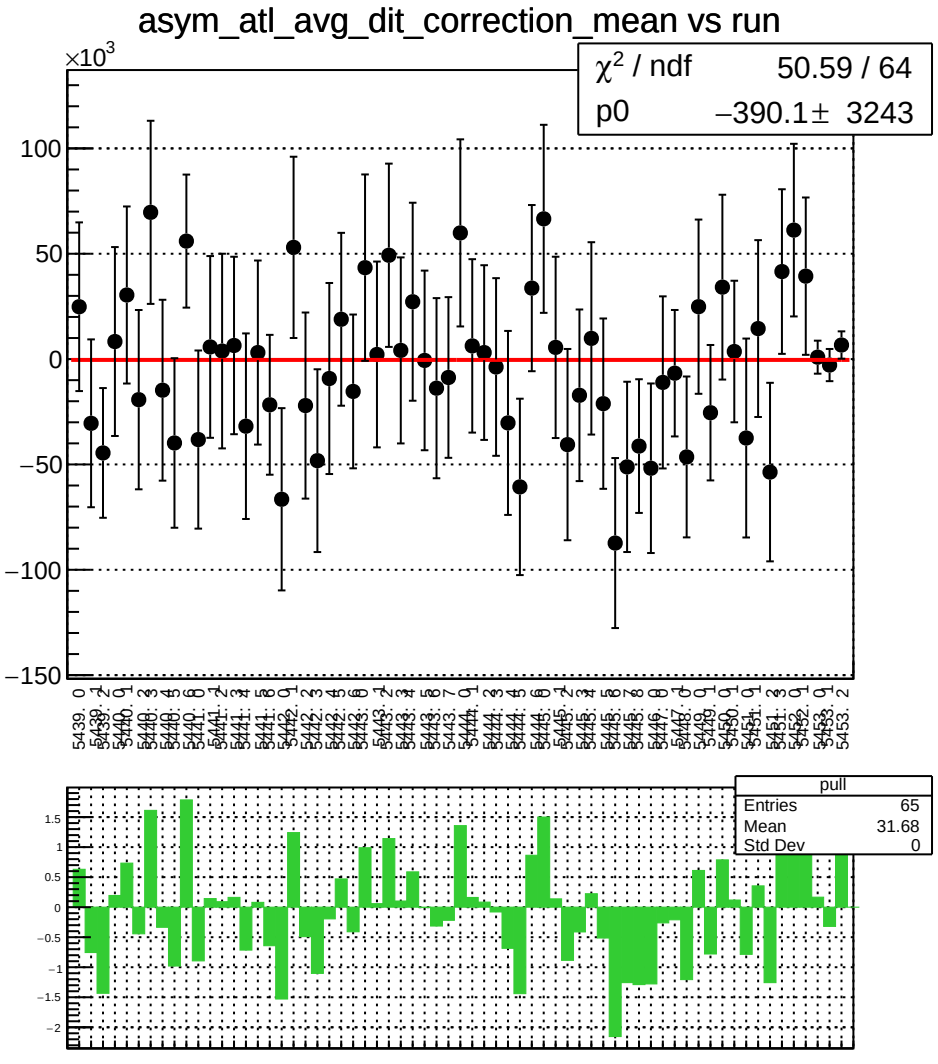

pull1D
Entries 65
Mean 0.01133
Std Dev 0.8789

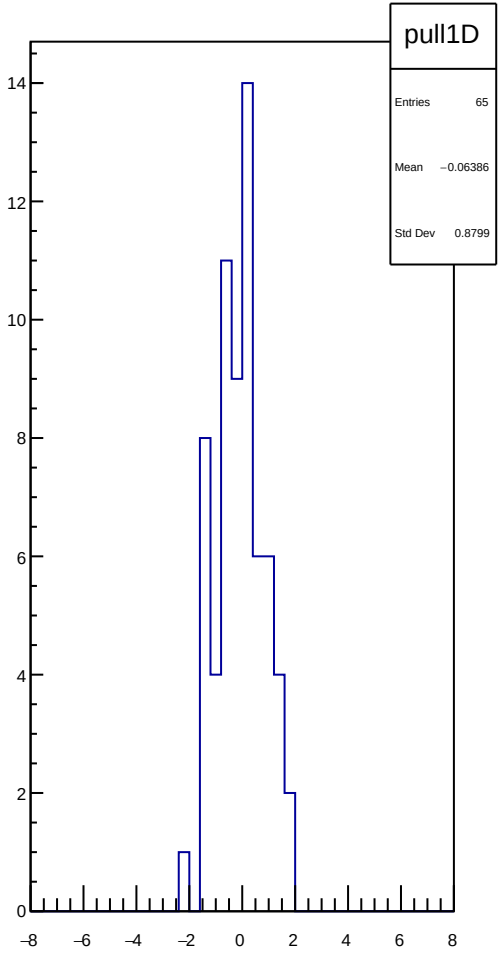

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 3967 / 64
p0 3993 ± 3.486
5000
4800
4600
4400
4200
4000
3800
3600

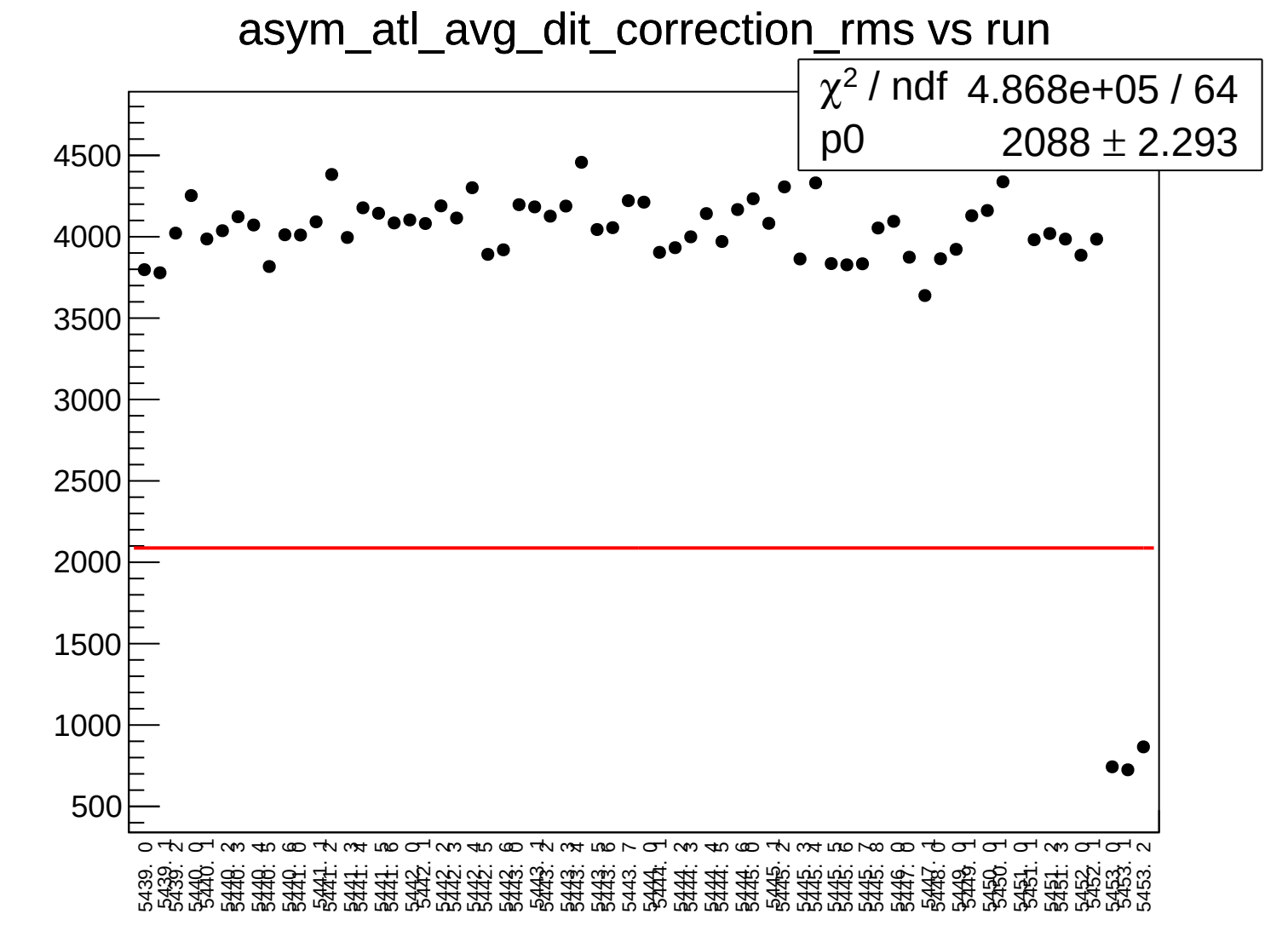

dit_asym_atl_avg_mean vs run
χ^2 / ndf 61.26 / 64
p0 3196 ± 2473
pull
Entries 65
Mean 56.11
Std Dev 7.335

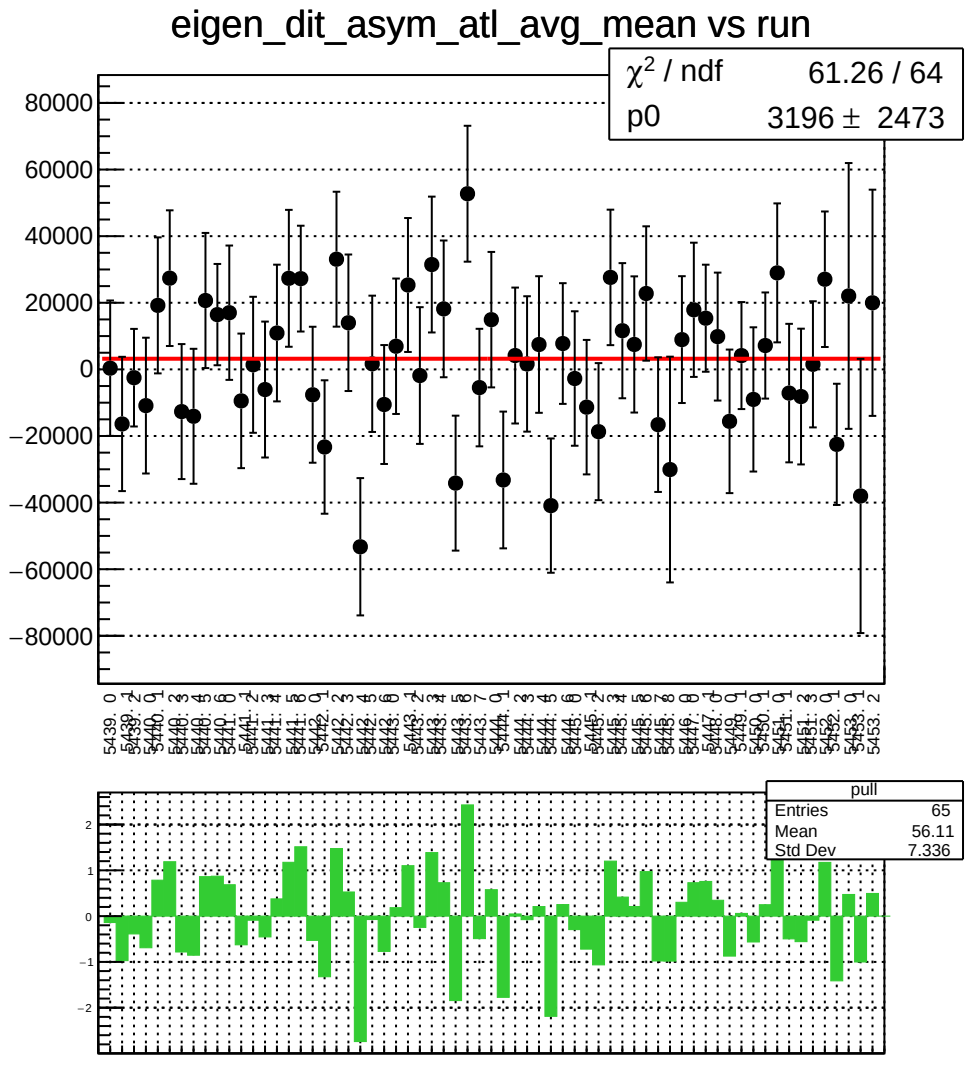

pull1D
Entries 65
Mean −0.01682
Std Dev 0.9707

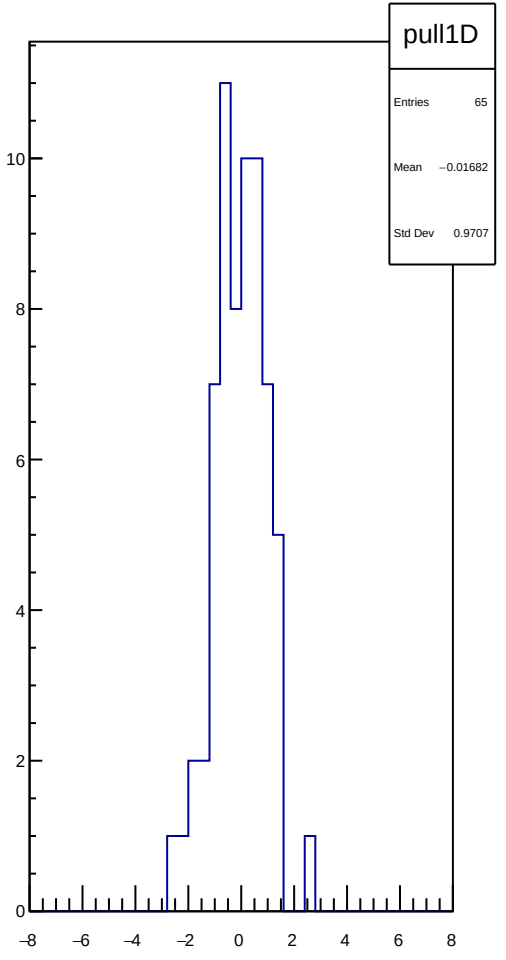

dit_asym_atl_avg_rms vs run
χ² / ndf 3.026e+04 / 64
p0 1983 ± 1.749
4500
4000
3500
3000
2500
2000

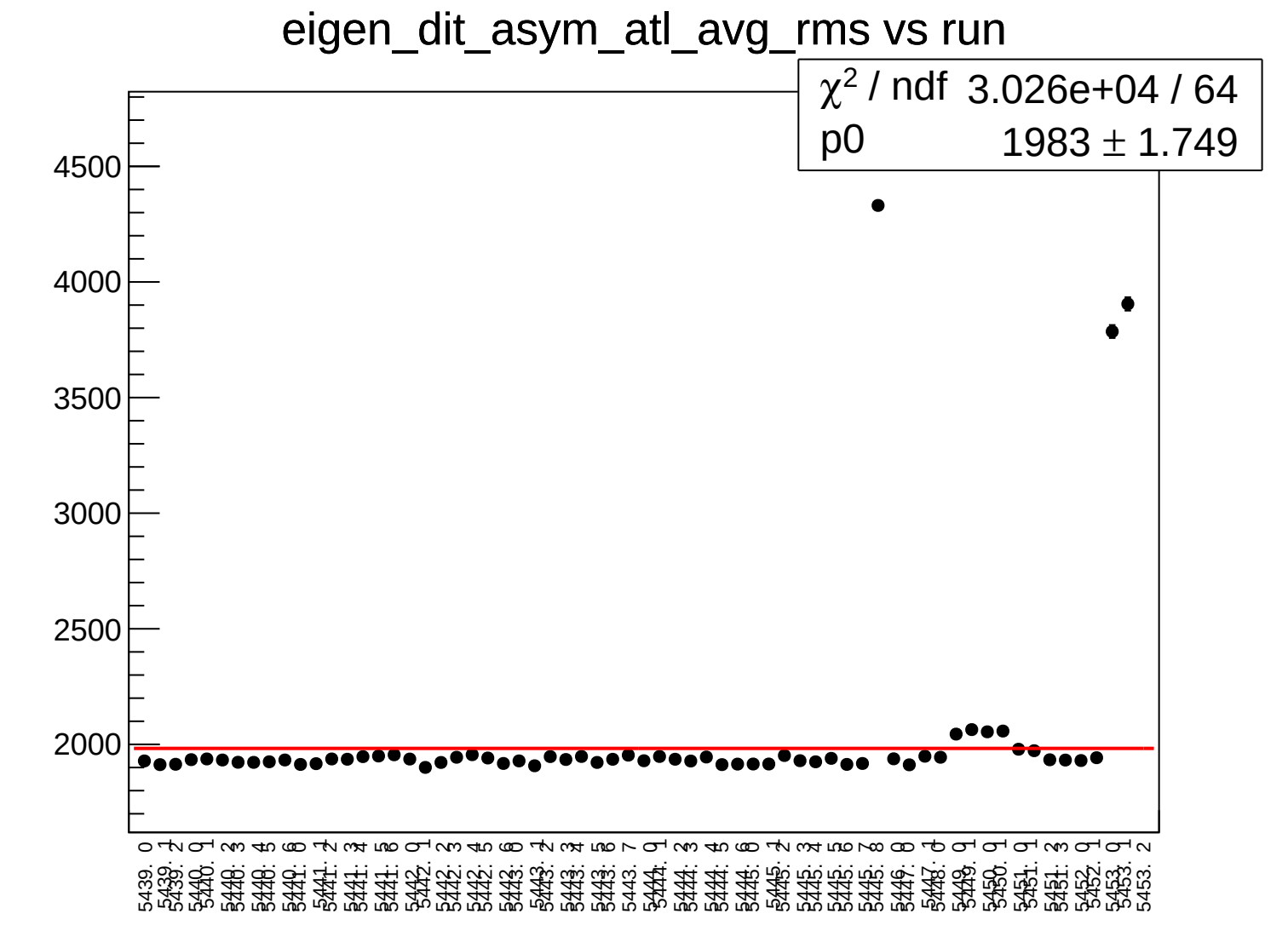

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 50.59 / 64
p0 −390.1± 3243
100
50
0
−50
−100
−150
pull
Entries 65
Mean 31.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

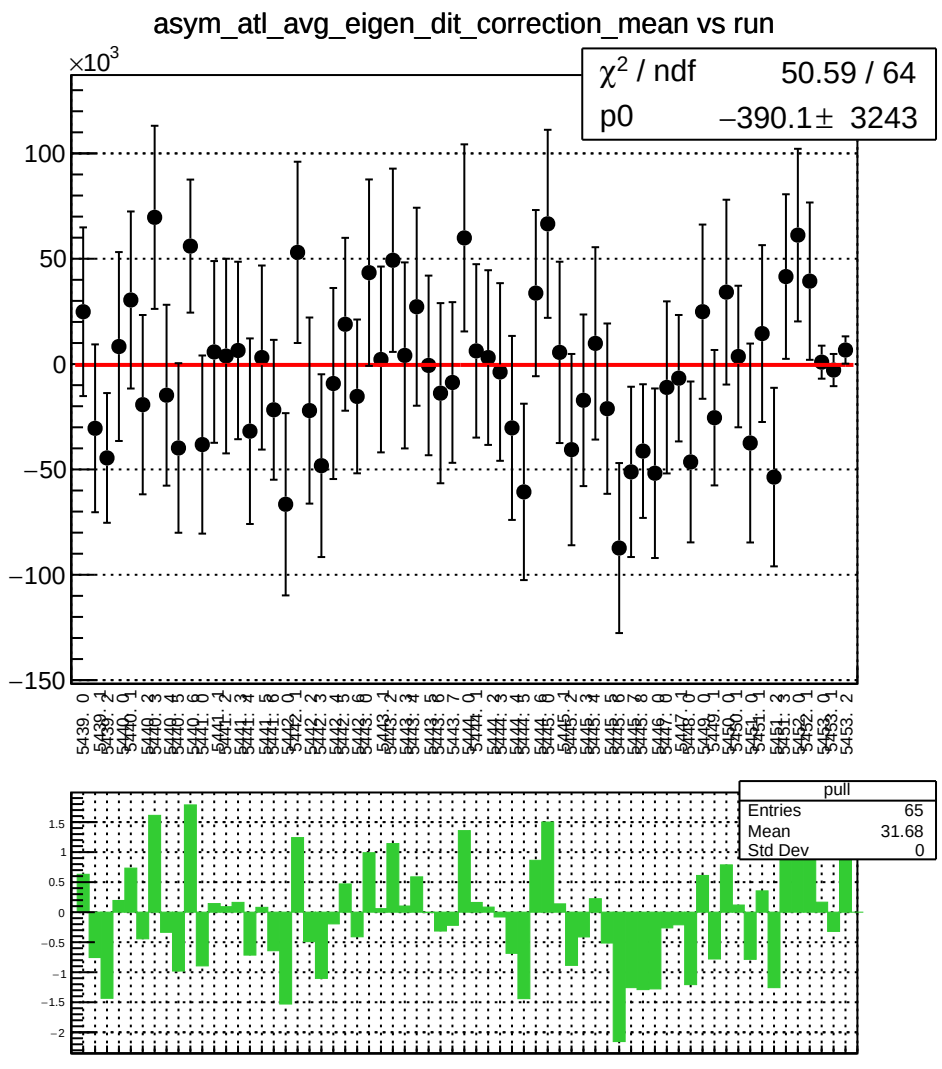

pull1D
Entries 65
Mean −0.06386
Std Dev 0.8799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

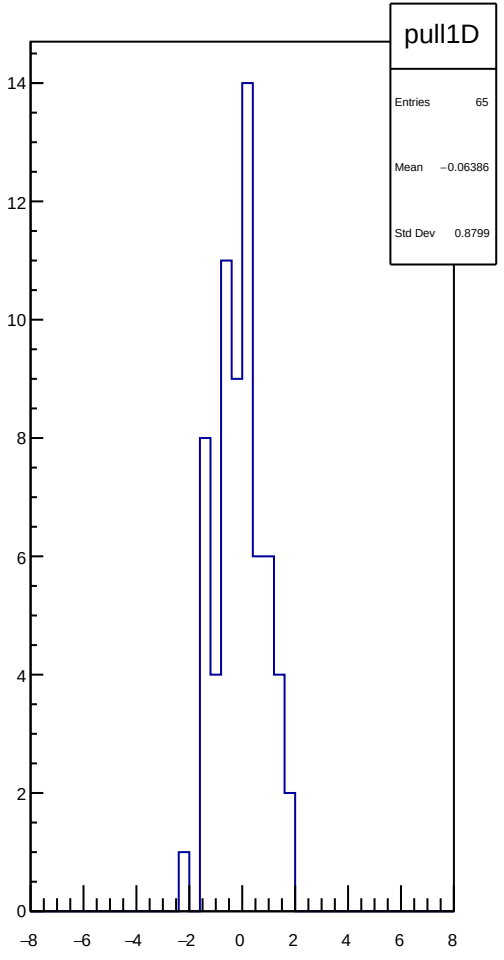

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 4.868e+05 / 64
p0 2088 ± 2.293
4500
4000
3500
3000
2500
2000
1500
1000
500

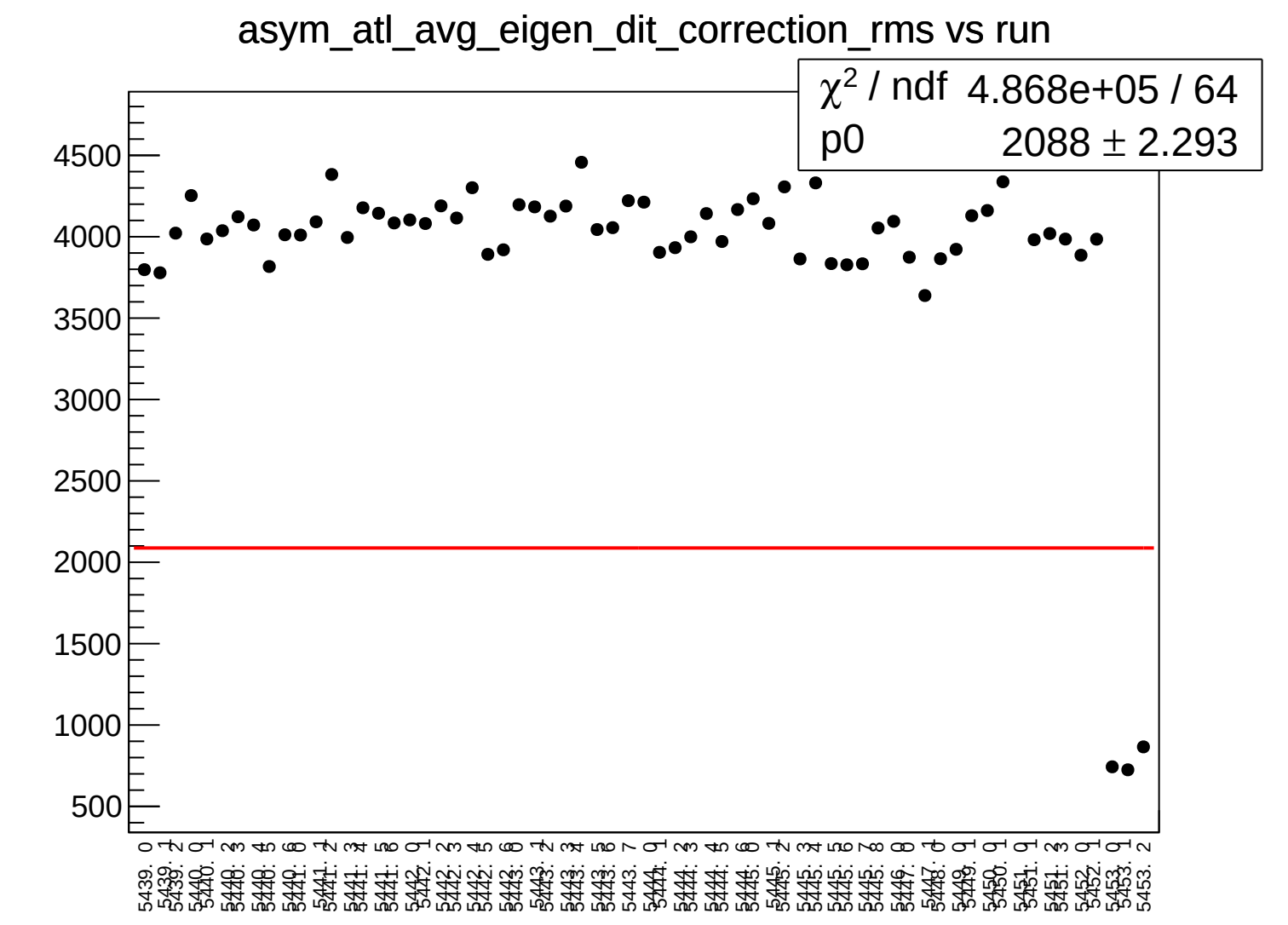

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 61.26 / 64
p0 3196 ± 2473
pull
Entries 65
Mean 56.11
Std Dev 7.336

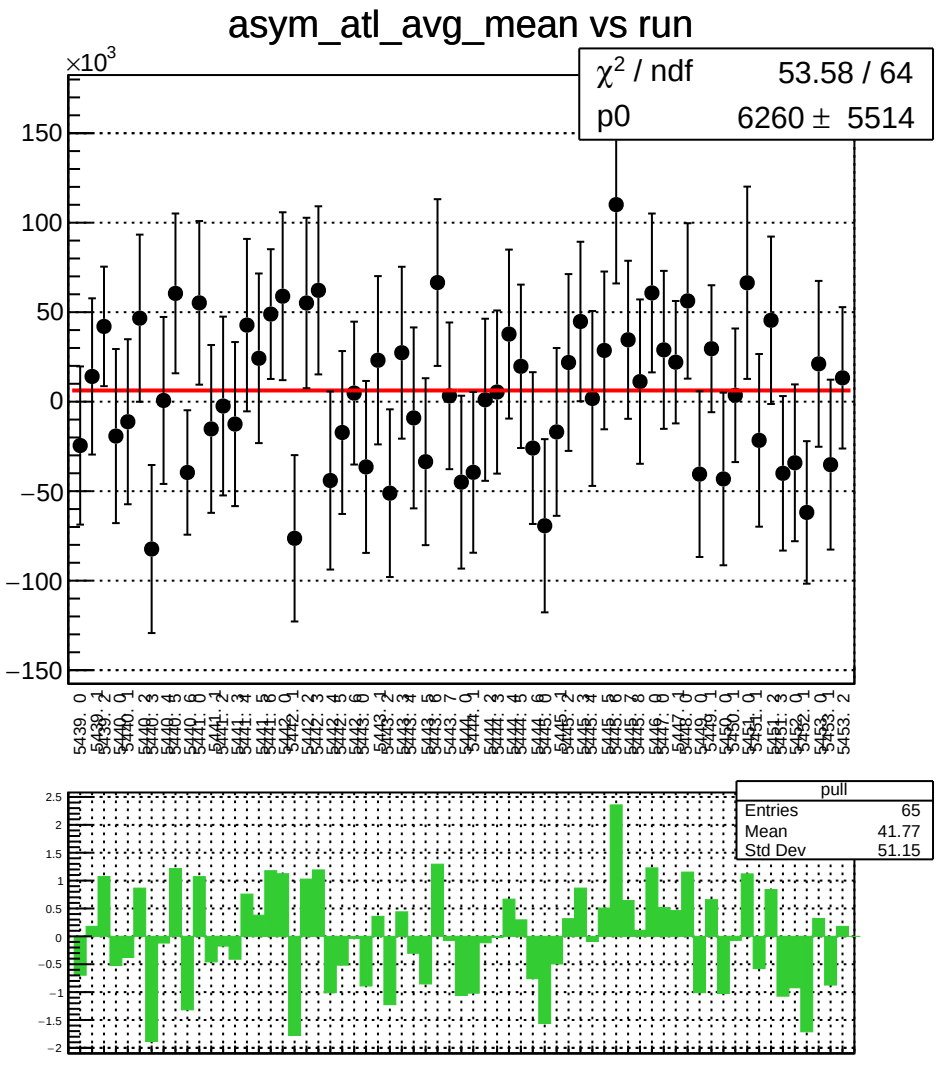

pull1D
Entries 65
Mean −0.01682
Std Dev 0.9707

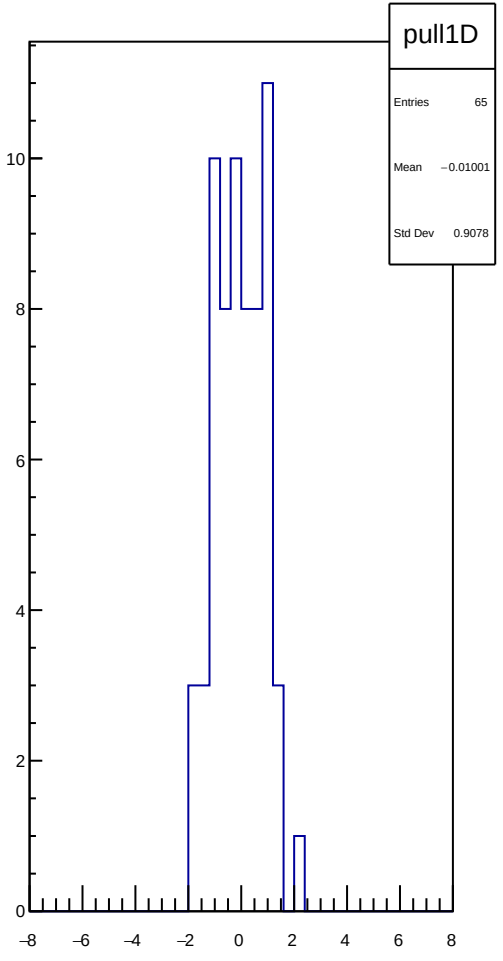

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 3.026e+04 / 64
p0 1983 ± 1.749
4500
4000
3500
3000
2500
2000

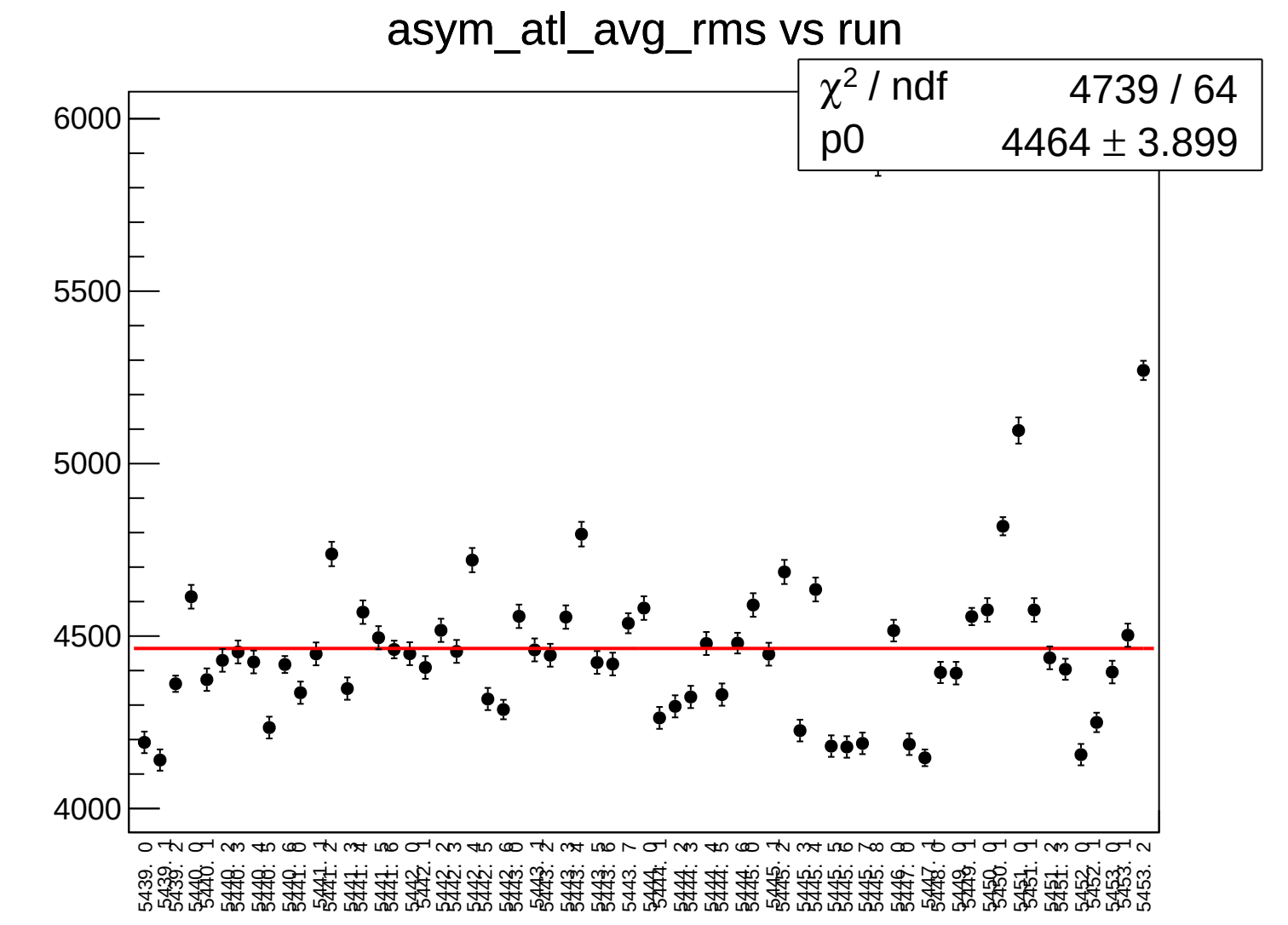

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.59 / 64
p0 −390.1± 3243
100
50
0
−50
−100
−150
pull
Entries 65
Mean 31.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

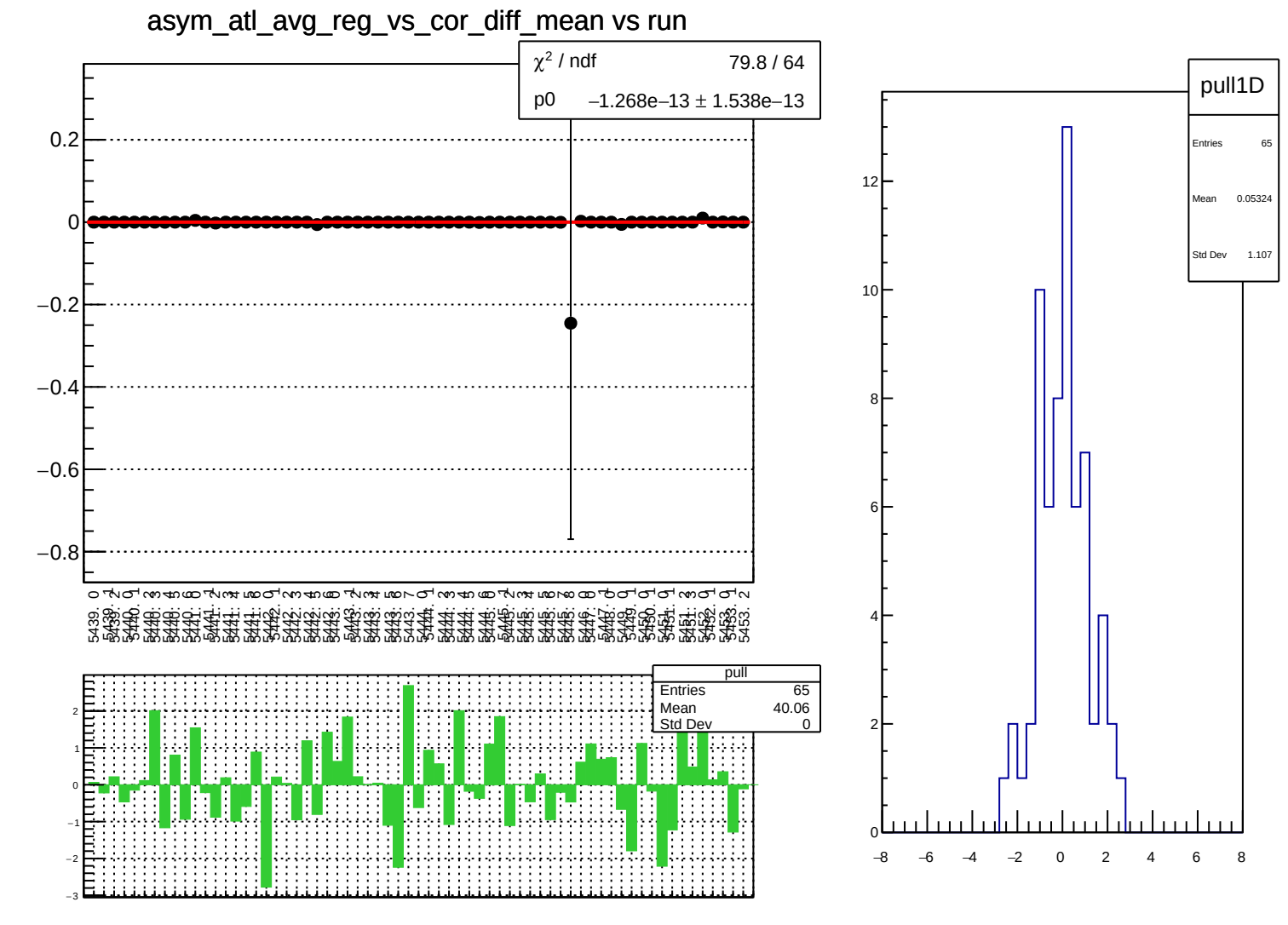

pull1D
Entries 65
Mean −0.06386
Std Dev 0.8799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

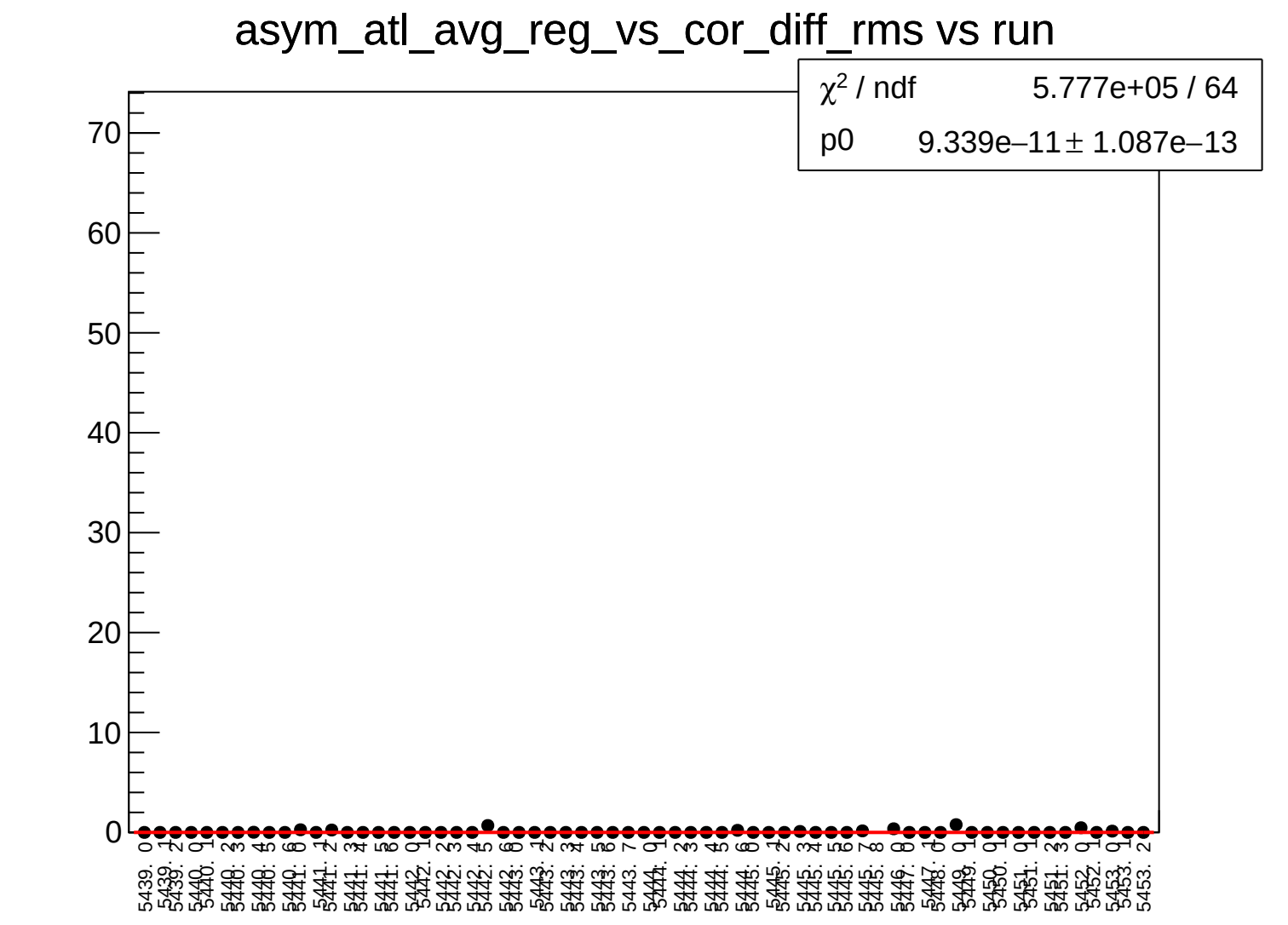

asym_atl_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 4.868e+05 / 64
p0 2088 ± 2.293
4500
4000
3500
3000
2500
2000
1500
1000
500

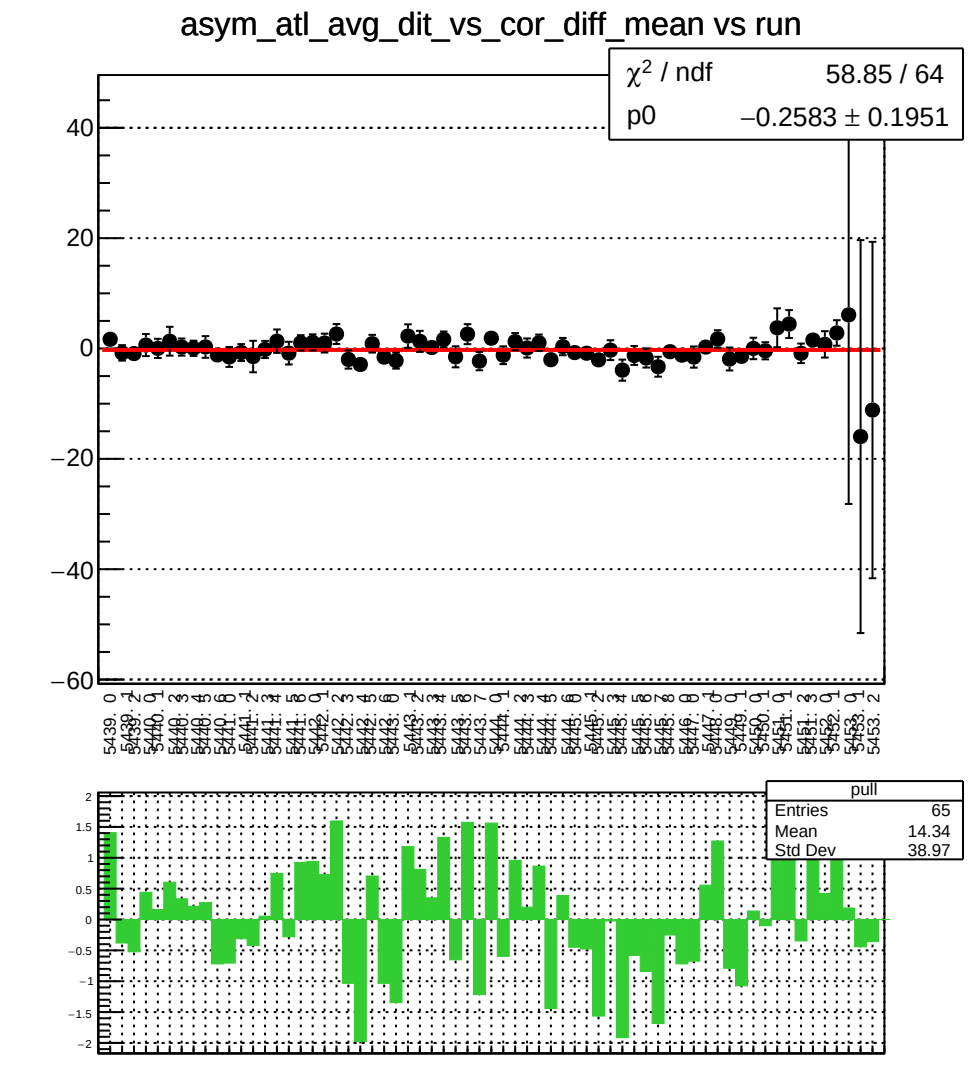

asym_atl_avg_mean vs run
×10^3
χ² / ndf 53.58 / 64
p0 6260 ± 5514
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 41.77
Std Dev 51.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

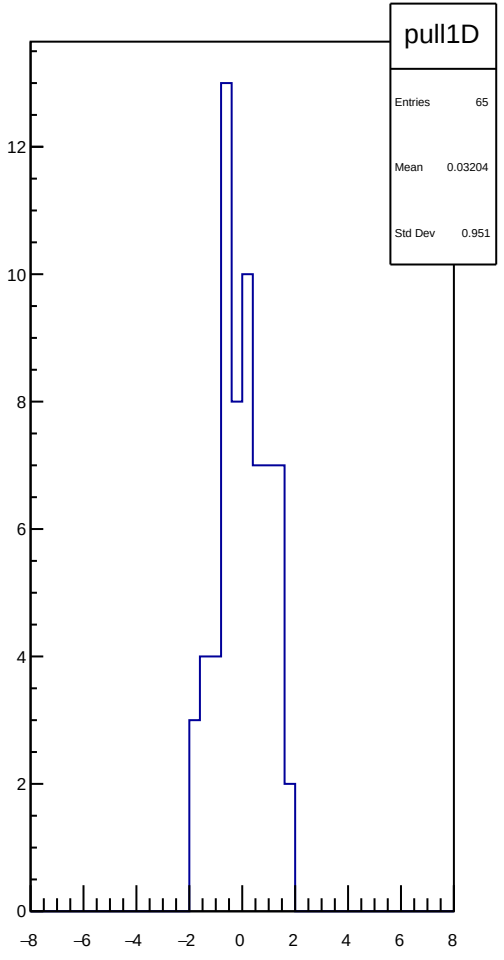

pull1D
Entries 65
Mean −0.01001
Std Dev 0.9078
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

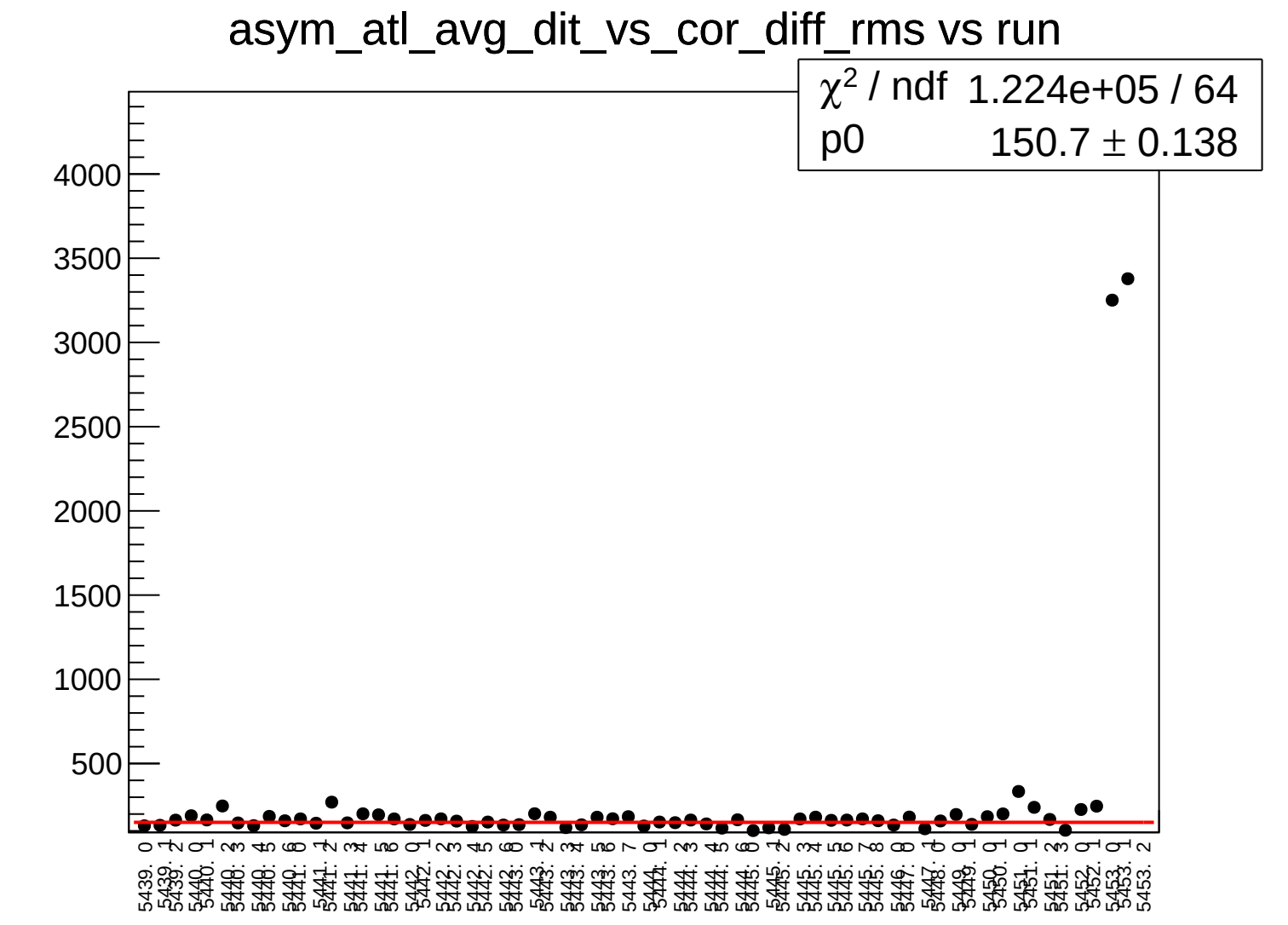

asym_atl_avg_rms vs run
χ² / ndf 4739 / 64
p0 4464 ± 3.899
6000
5500
5000
4500
4000

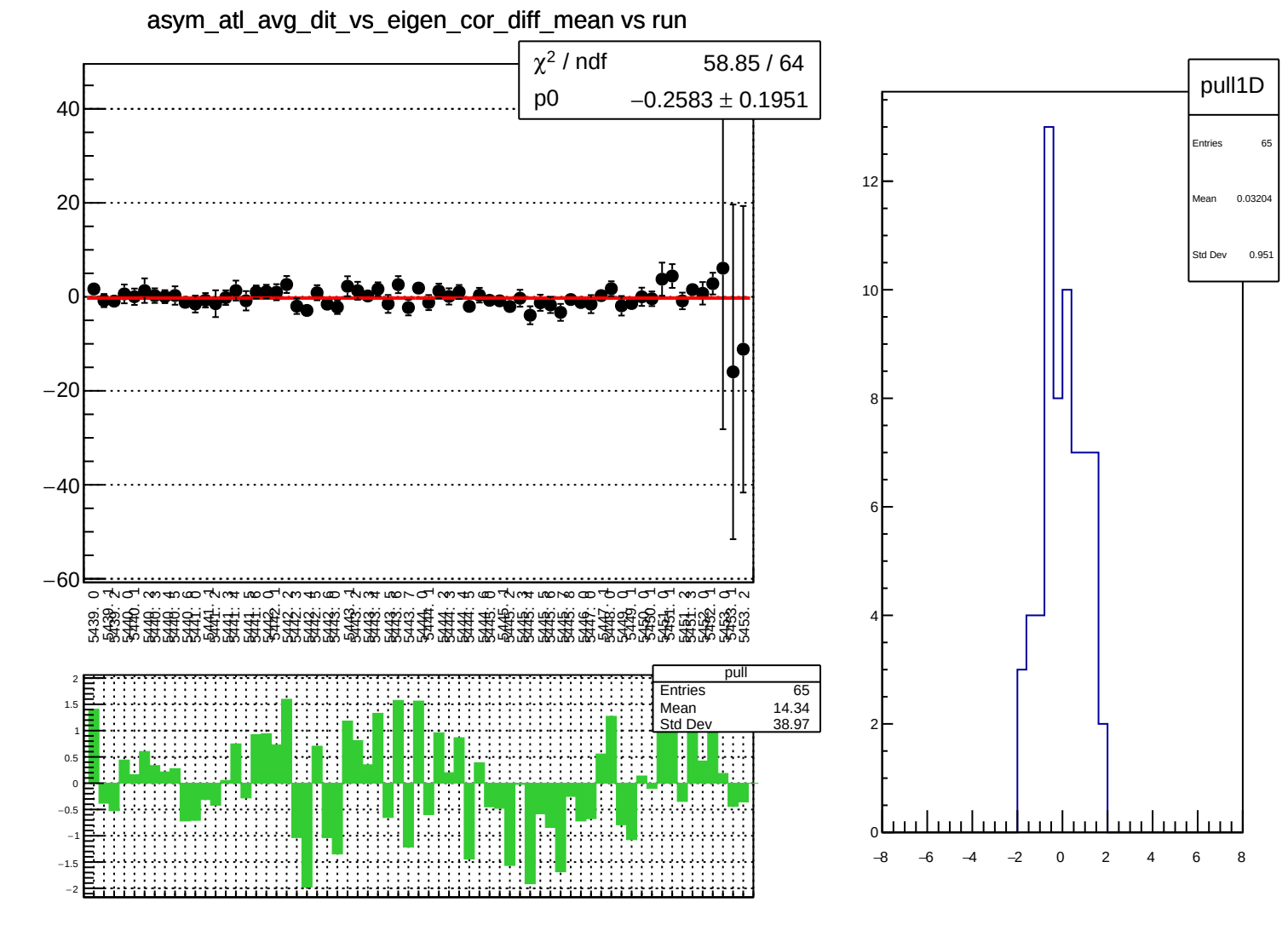

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.8 / 64
p0 −1.268e−13 ± 1.538e−13
pull
Entries 65
Mean 40.06
Std Dev 0
pull1D
Entries 65
Mean 0.05324
Std Dev 1.107

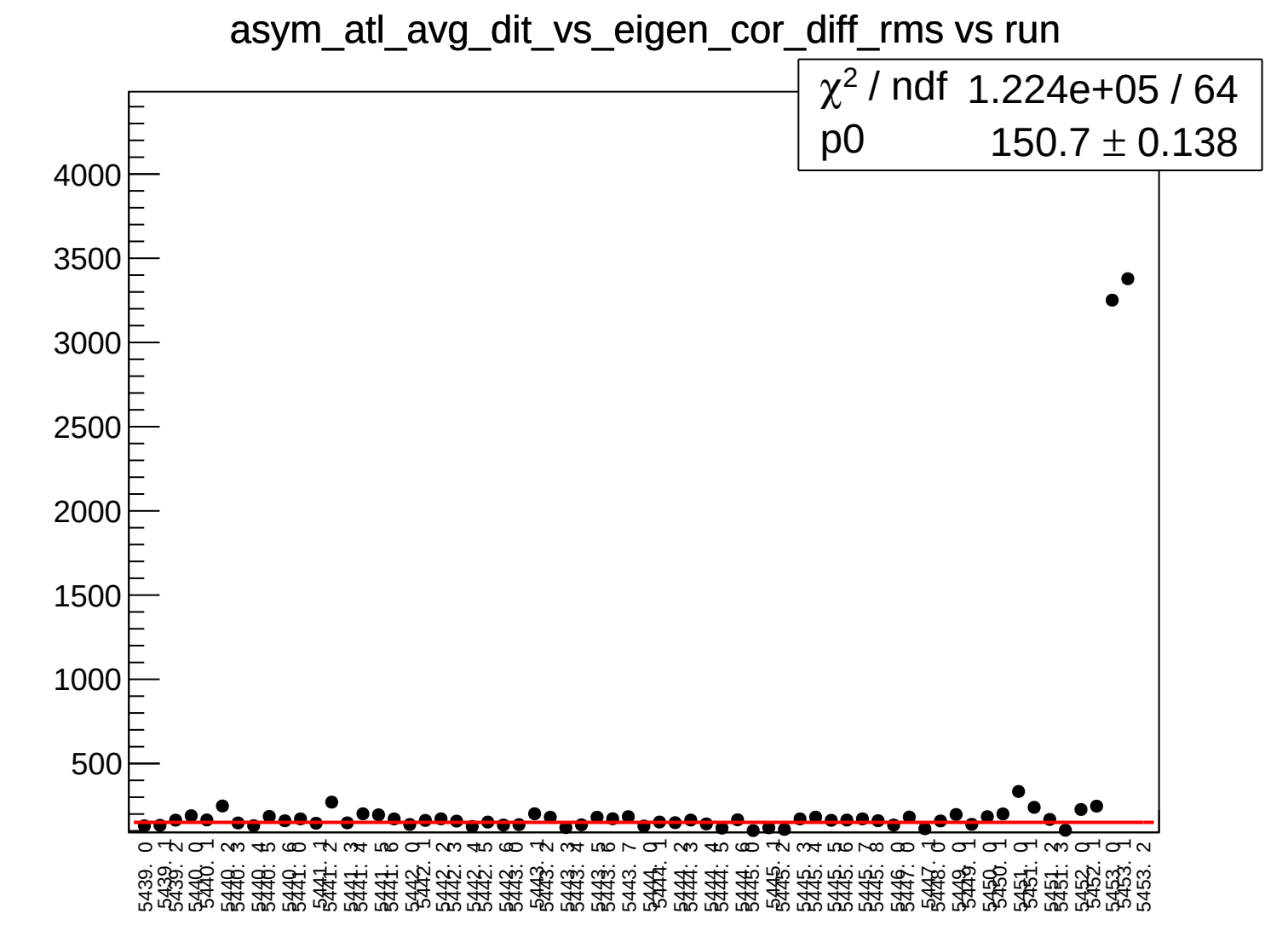

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.777e+05 / 64
p0 9.339e−11 ± 1.087e−13
70
60
50
40
30
20
10
0

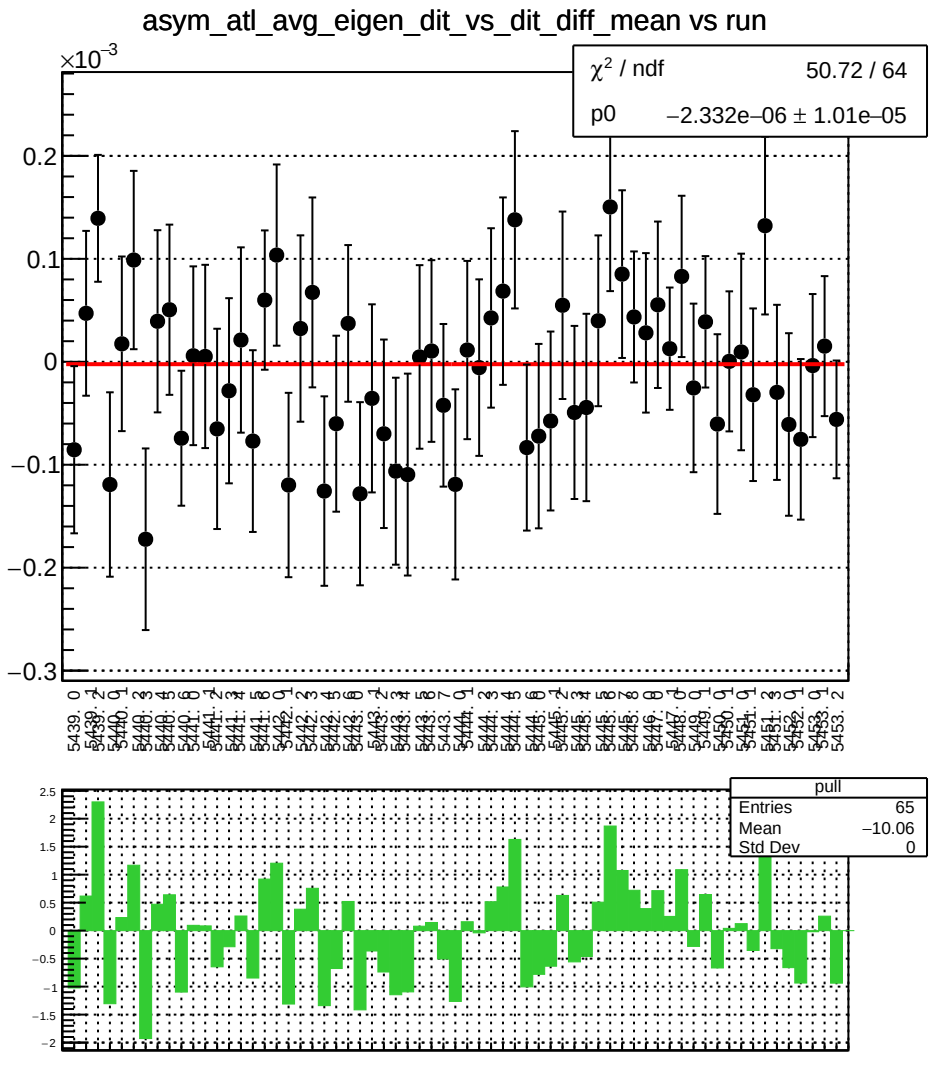

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.85 / 64
p0 −0.2583 ± 0.1951
pull
Entries 65
Mean 14.34
Std Dev 38.97

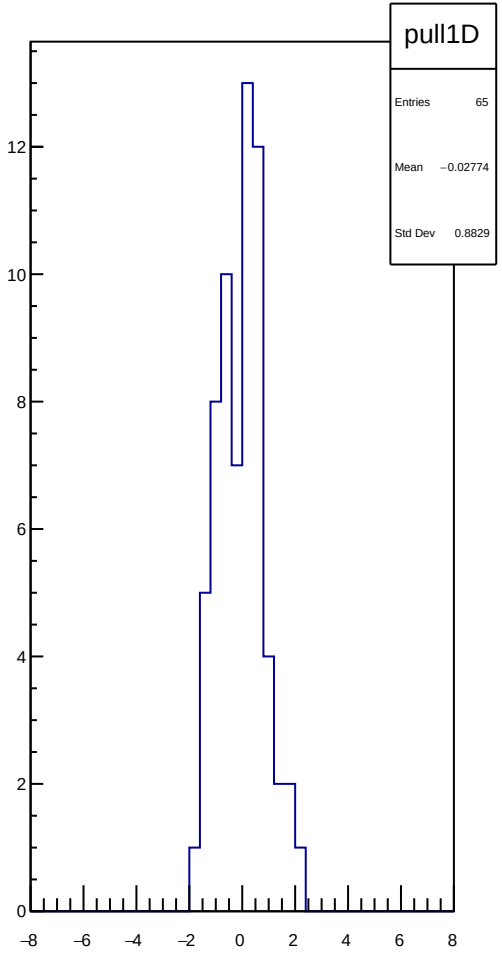

pull1D
Entries 65
Mean 0.03204
Std Dev 0.951

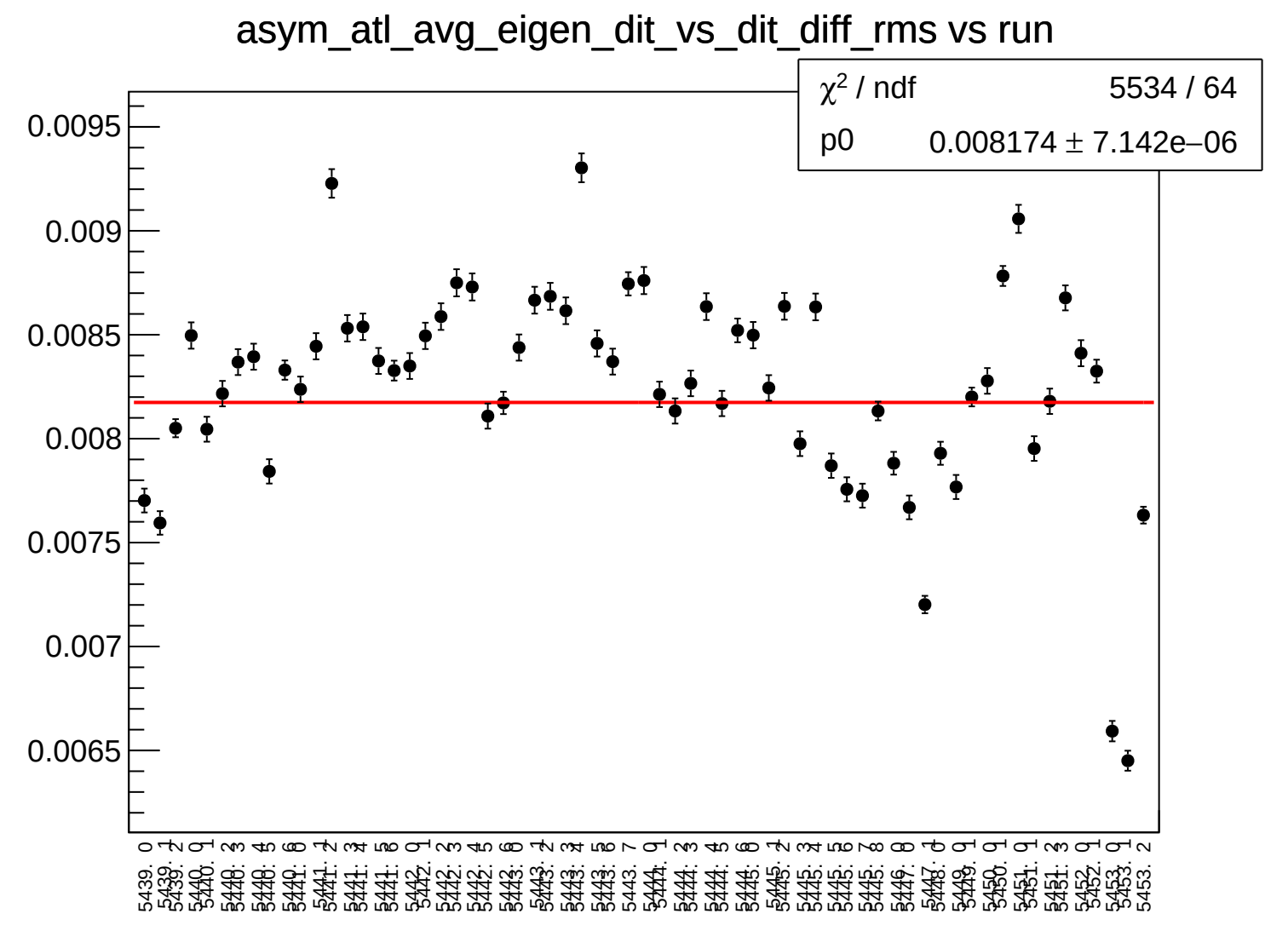

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.224e+05 / 64
p0 150.7 ± 0.138
4000
3500
3000
2500
2000
1500
1000
500

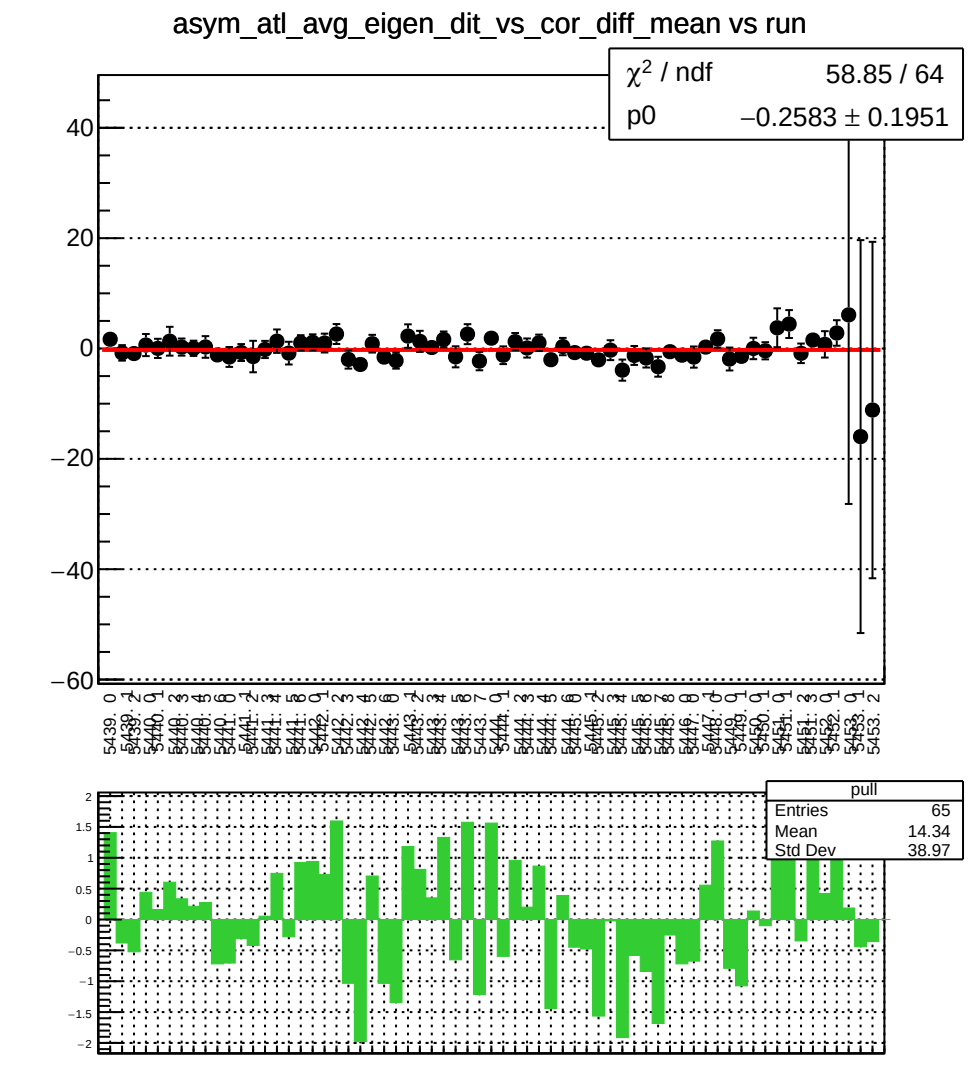

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.85 / 64
p0 −0.2583 ± 0.1951
pull
Entries 65
Mean 14.34
Std Dev 38.97
pull1D
Entries 65
Mean 0.03204
Std Dev 0.951

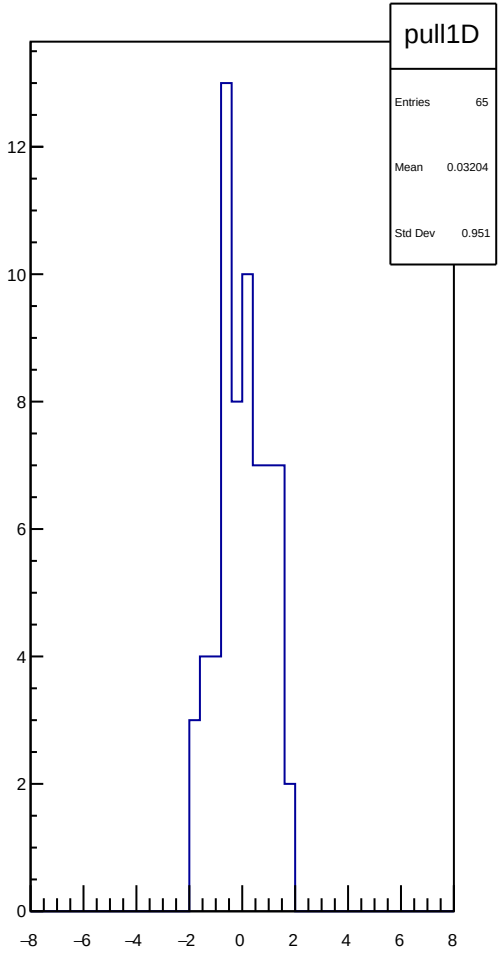

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.224e+05 / 64
p0 150.7 ± 0.138
4000
3500
3000
2500
2000
1500
1000
500

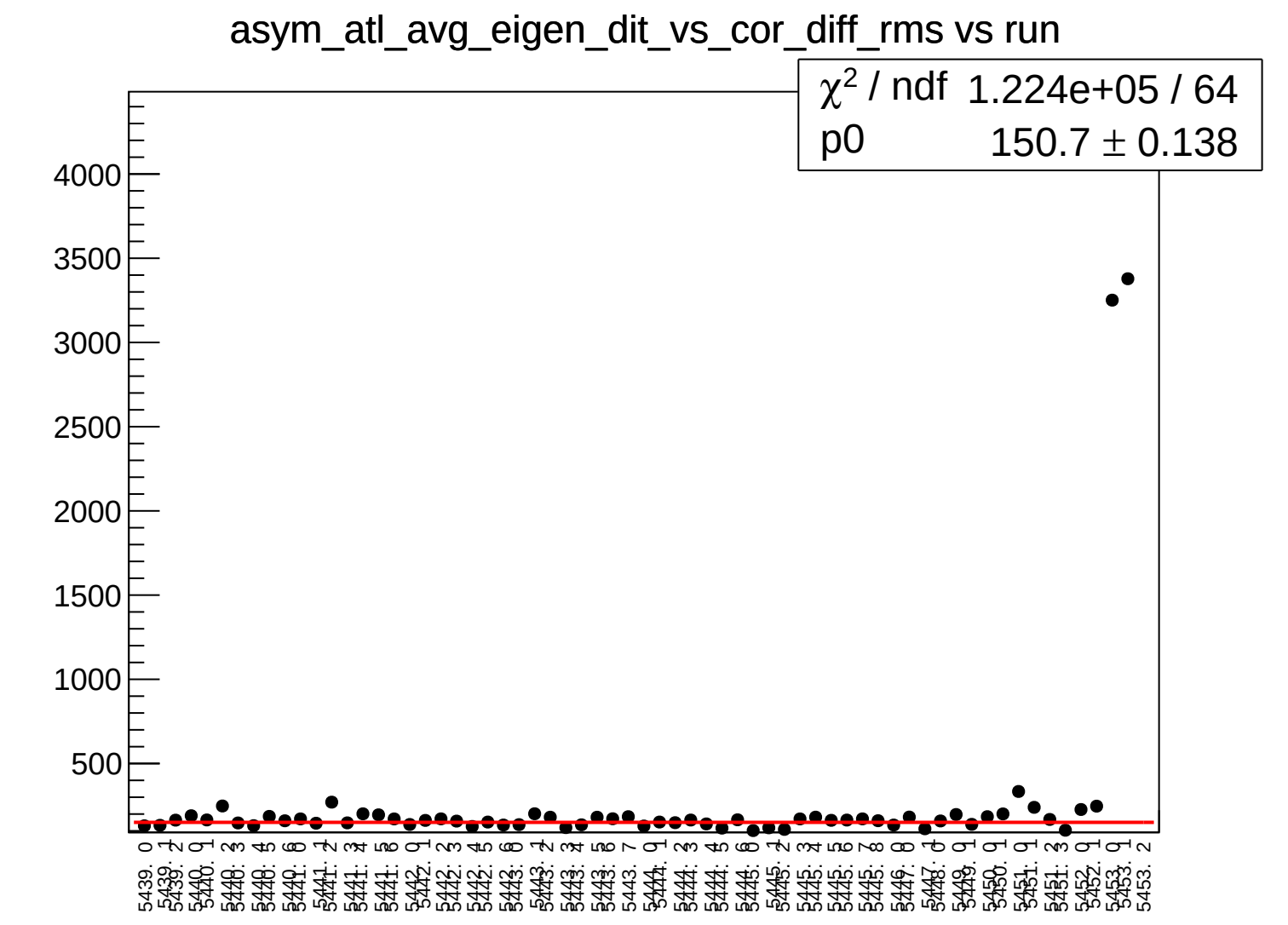

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.72 / 64
p0 −2.332e−06 ± 1.01e−05
pull
Entries 65
Mean −10.06
Std Dev 0

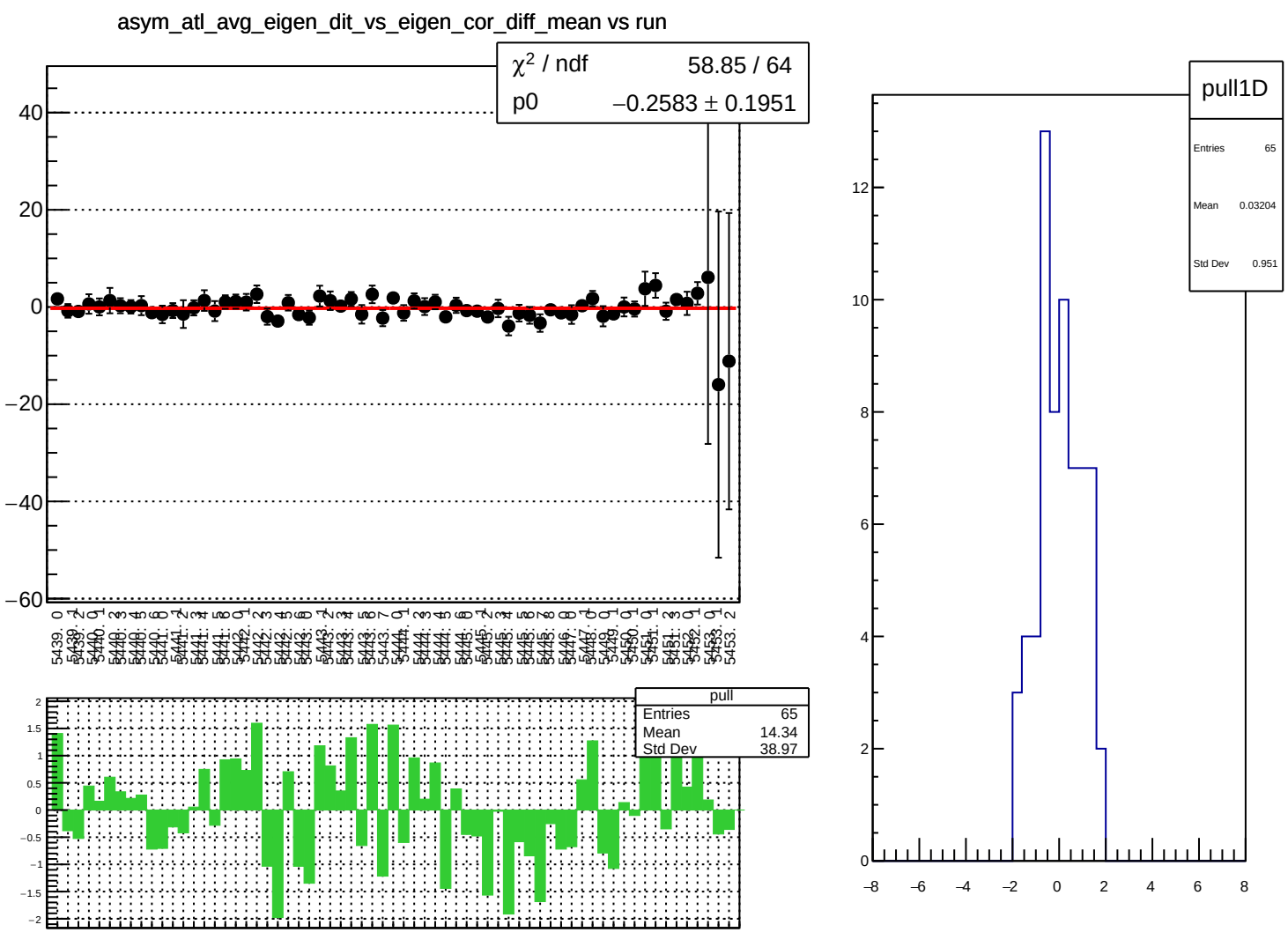

pull1D
Entries 65
Mean −0.02774
Std Dev 0.8829

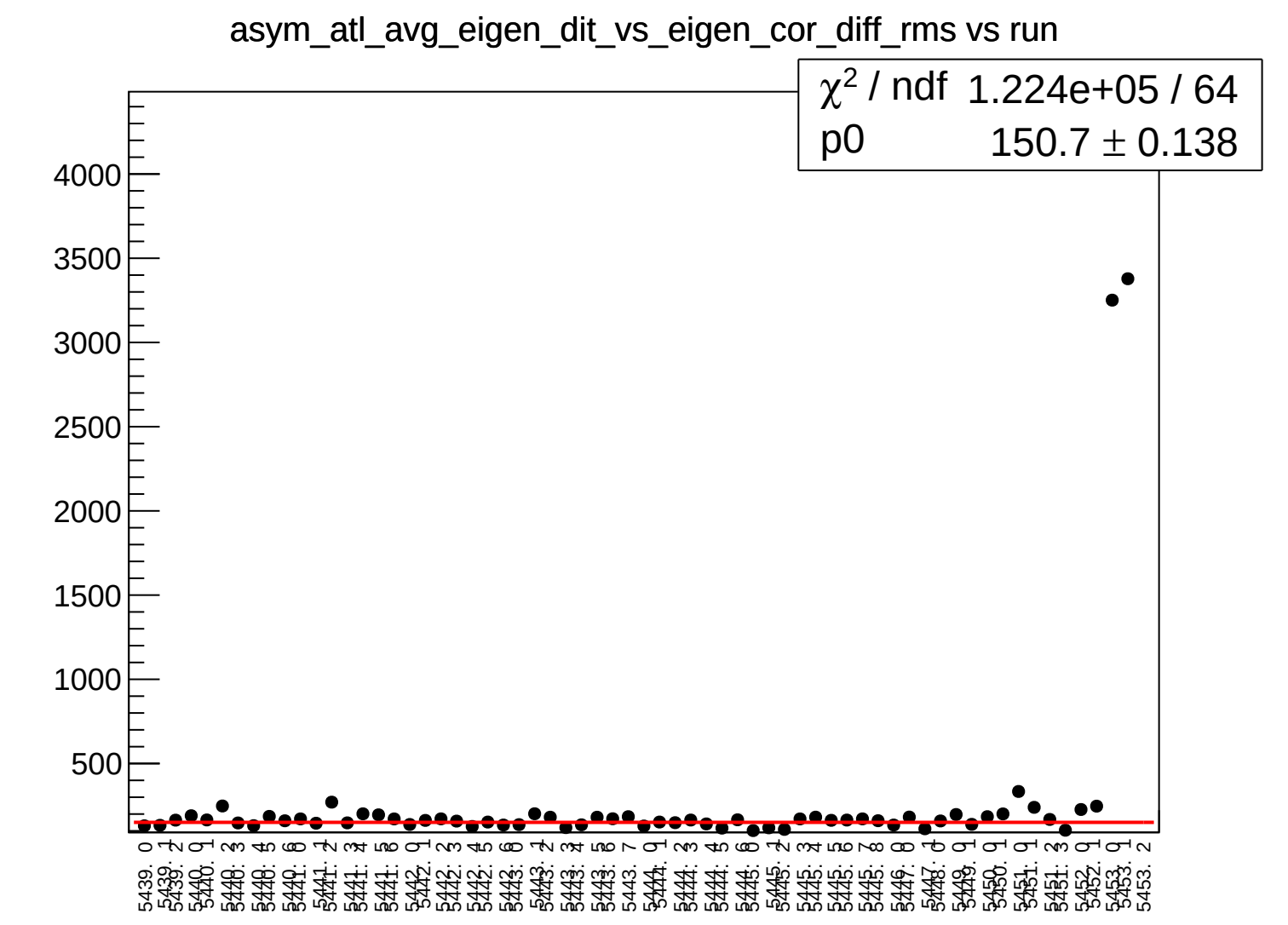

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5534 / 64
p0 0.008174 ± 7.142e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065

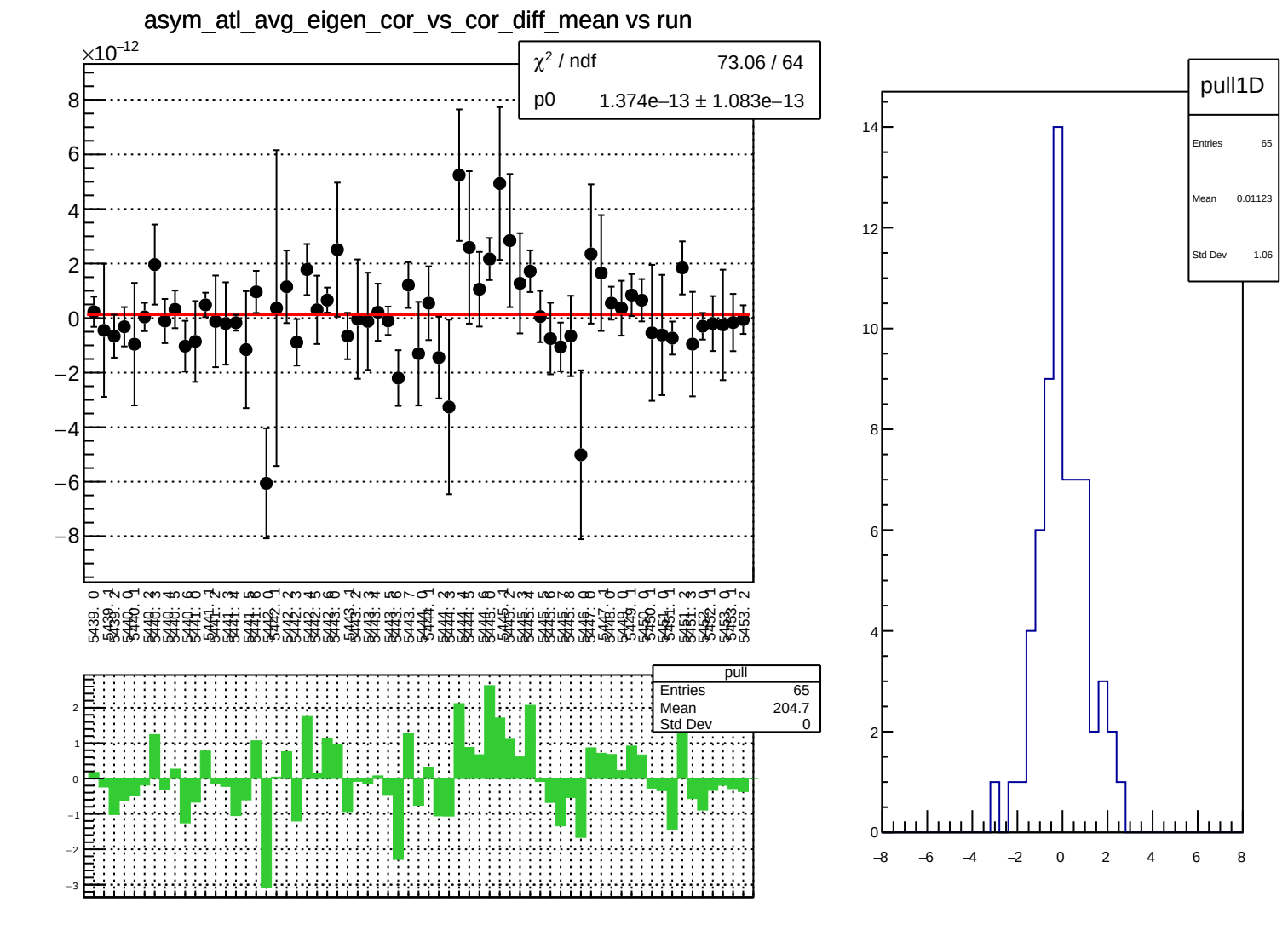

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.85 / 64
p0 −0.2583 ± 0.1951
pull
Entries 65
Mean 14.34
Std Dev 38.97

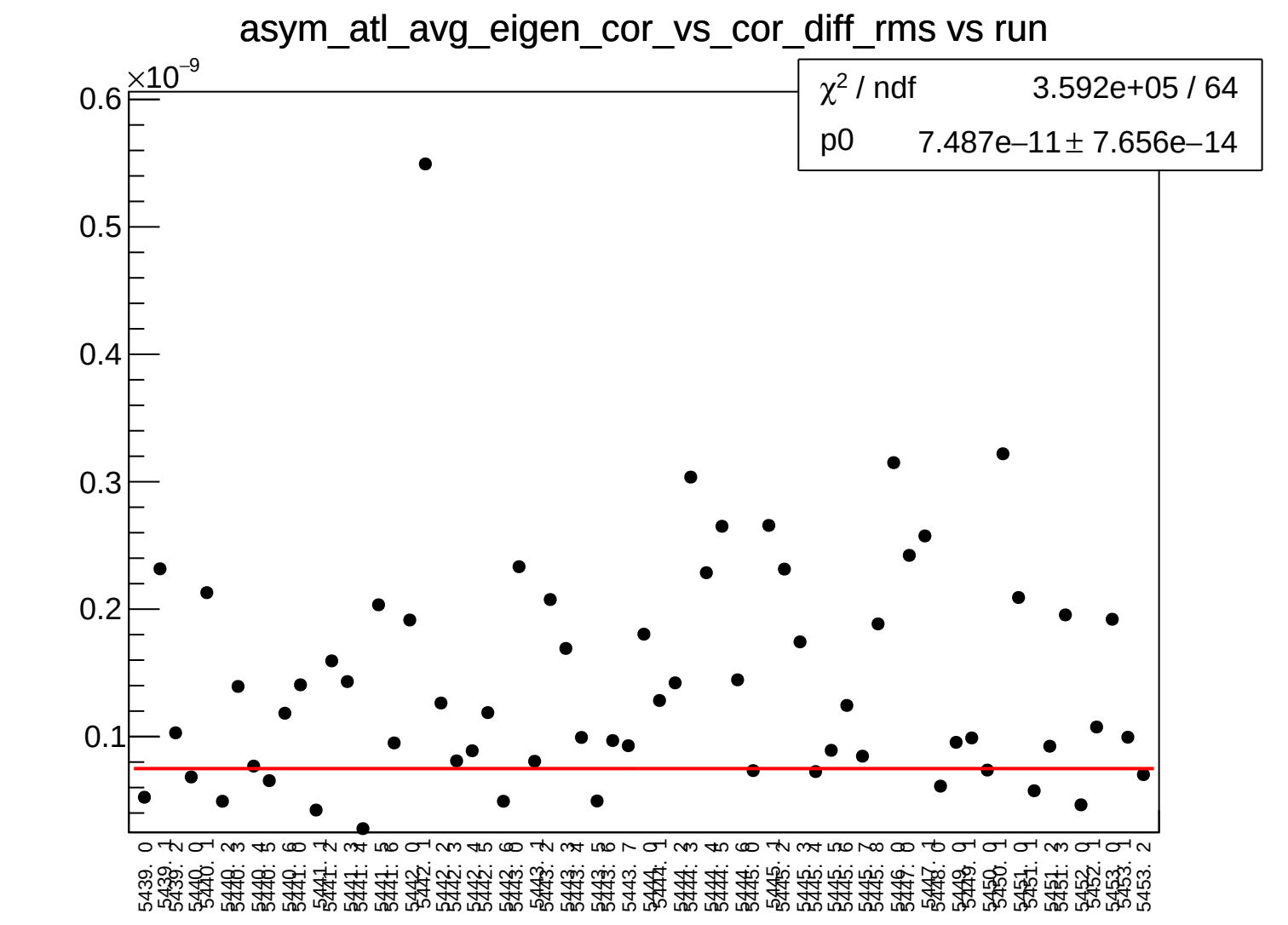

pull1D
Entries 65
Mean 0.03204
Std Dev 0.951

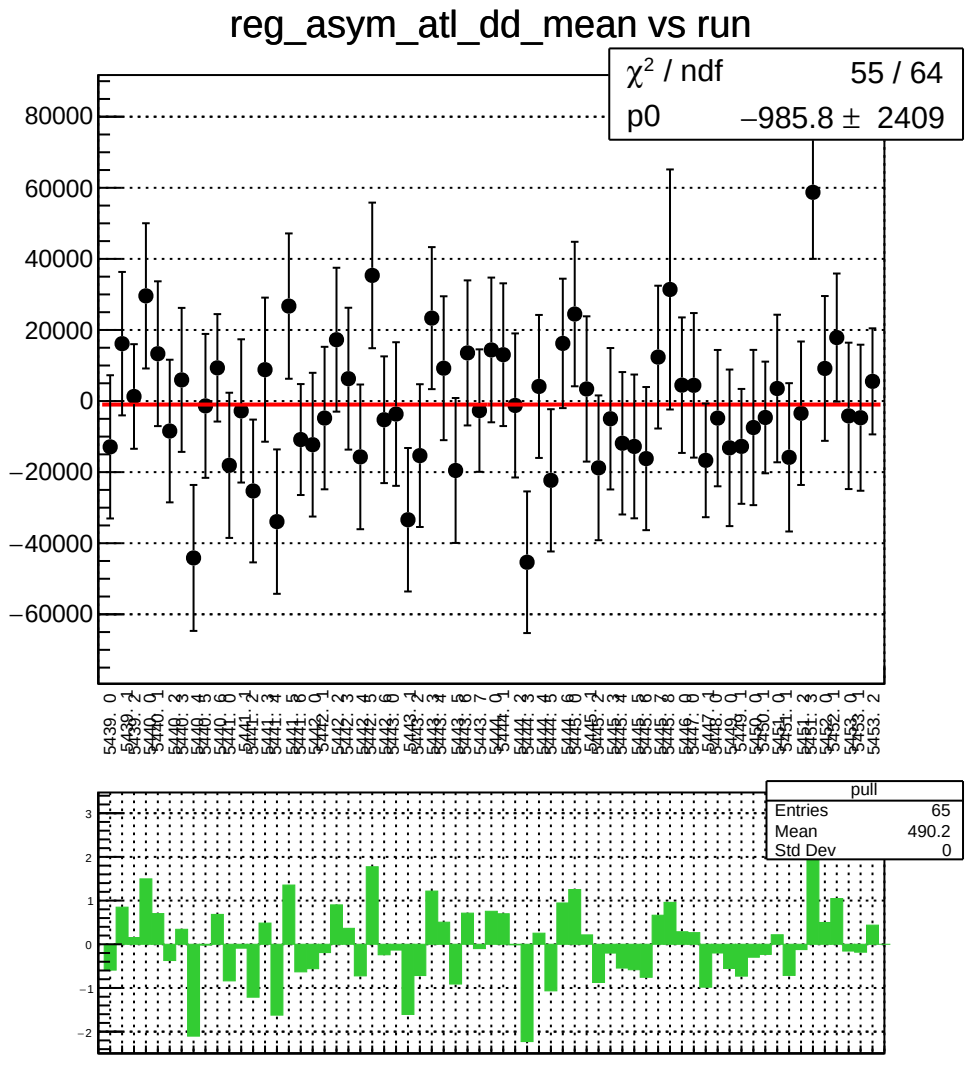

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.224e+05 / 64
p0 150.7 ± 0.138
4000
3500
3000
2500
2000
1500
1000
500

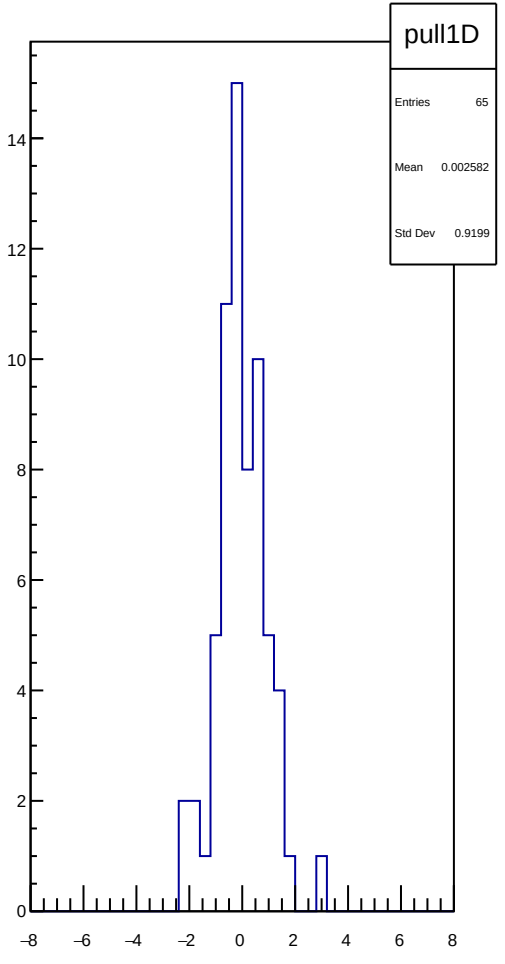

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.85 / 64
p0 −0.2583 ± 0.1951
pull
Entries 65
Mean 14.34
Std Dev 38.97
pull1D
Entries 65
Mean 0.03204
Std Dev 0.951

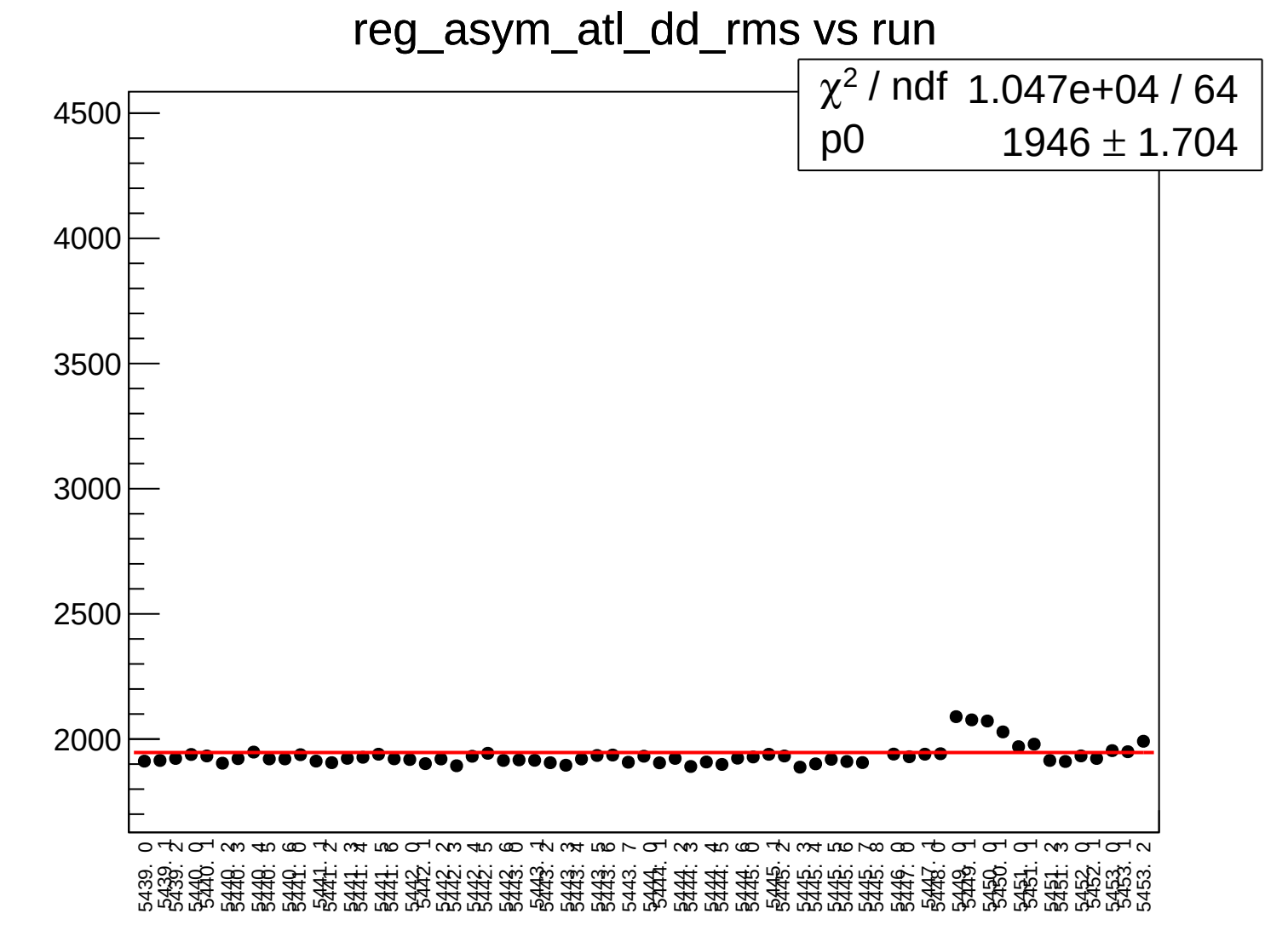

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.224e+05 / 64
p0 150.7 ± 0.138
4000
3500
3000
2500
2000
1500
1000
500

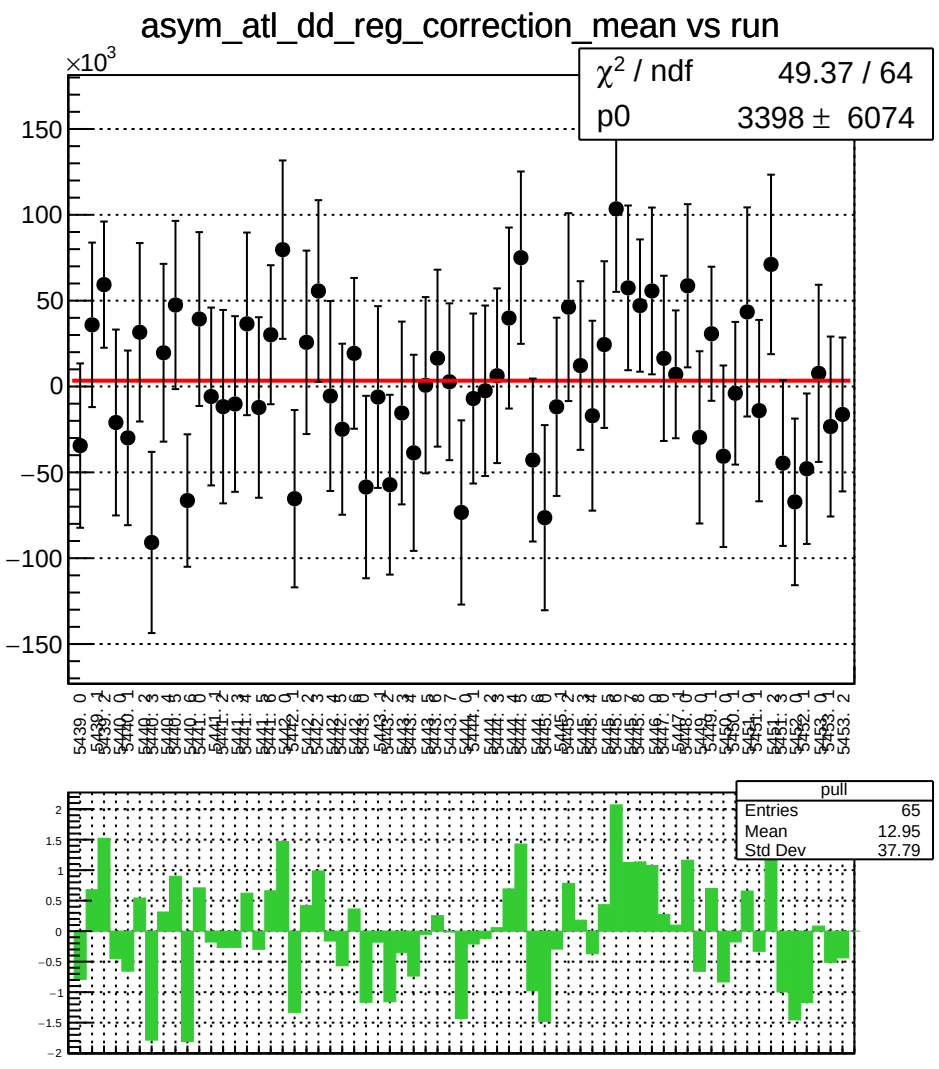

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 73.06 / 64
p0 1.374e−13 ± 1.083e−13
pull
Entries 65
Mean 204.7
Std Dev 0
pull1D
Entries 65
Mean 0.01123
Std Dev 1.06

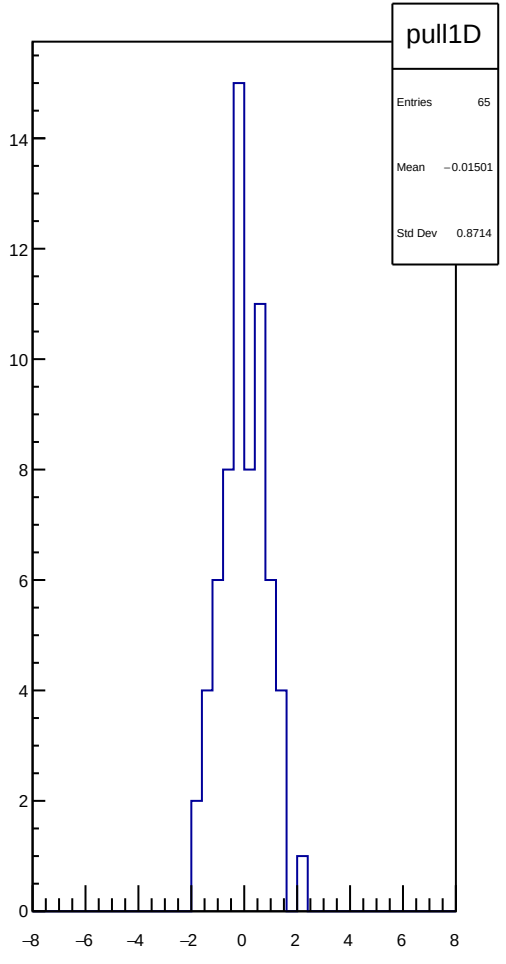

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.592e+05 / 64
p0 7.487e−11 ± 7.656e−14
0.6
0.5
0.4
0.3
0.2
0.1

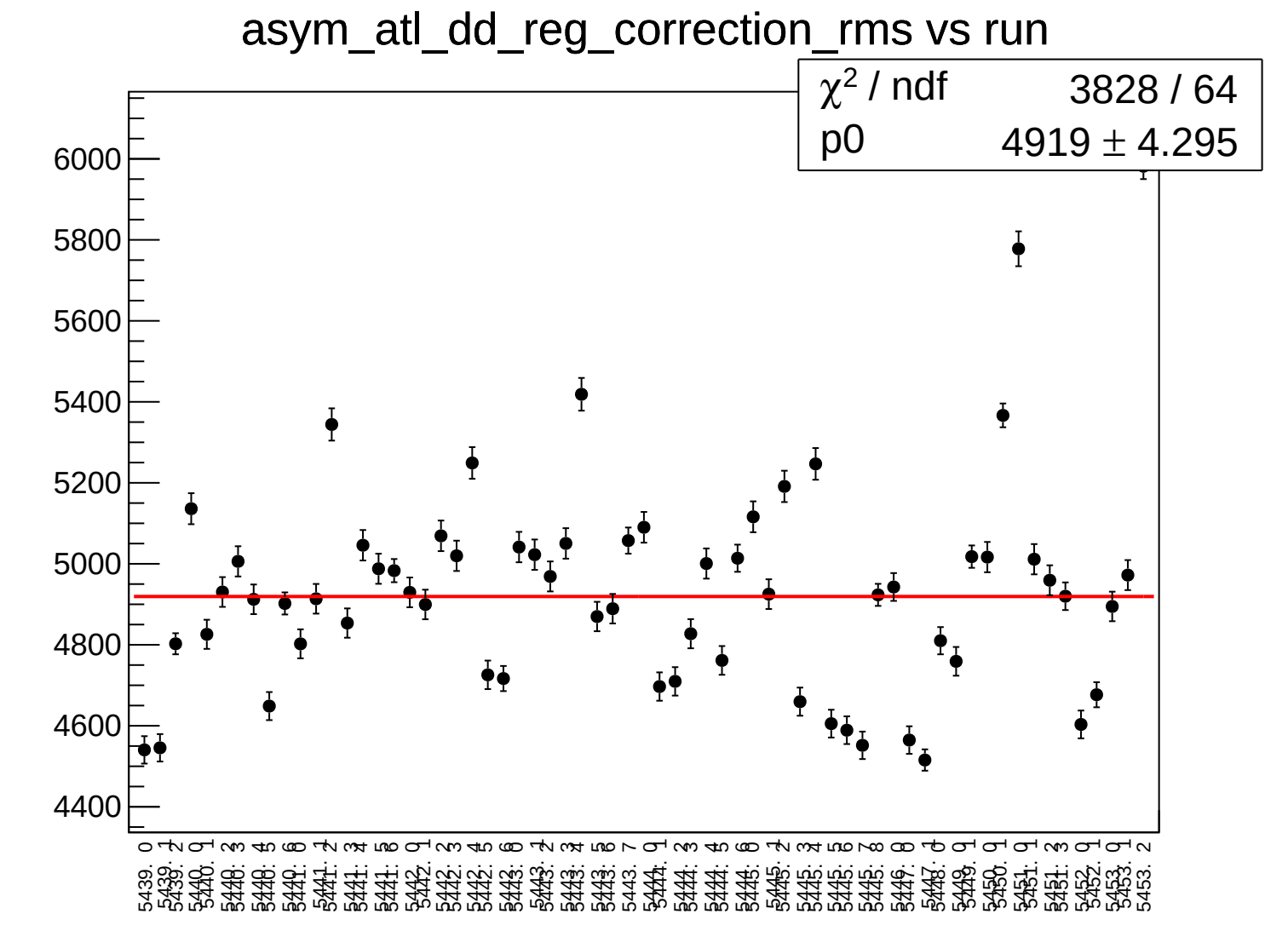

reg_asym_atl_dd_mean vs run
χ² / ndf 55 / 64
p0 −985.8 ± 2409
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 490.2
Std Dev 0
3
2
1
0
−1
−2

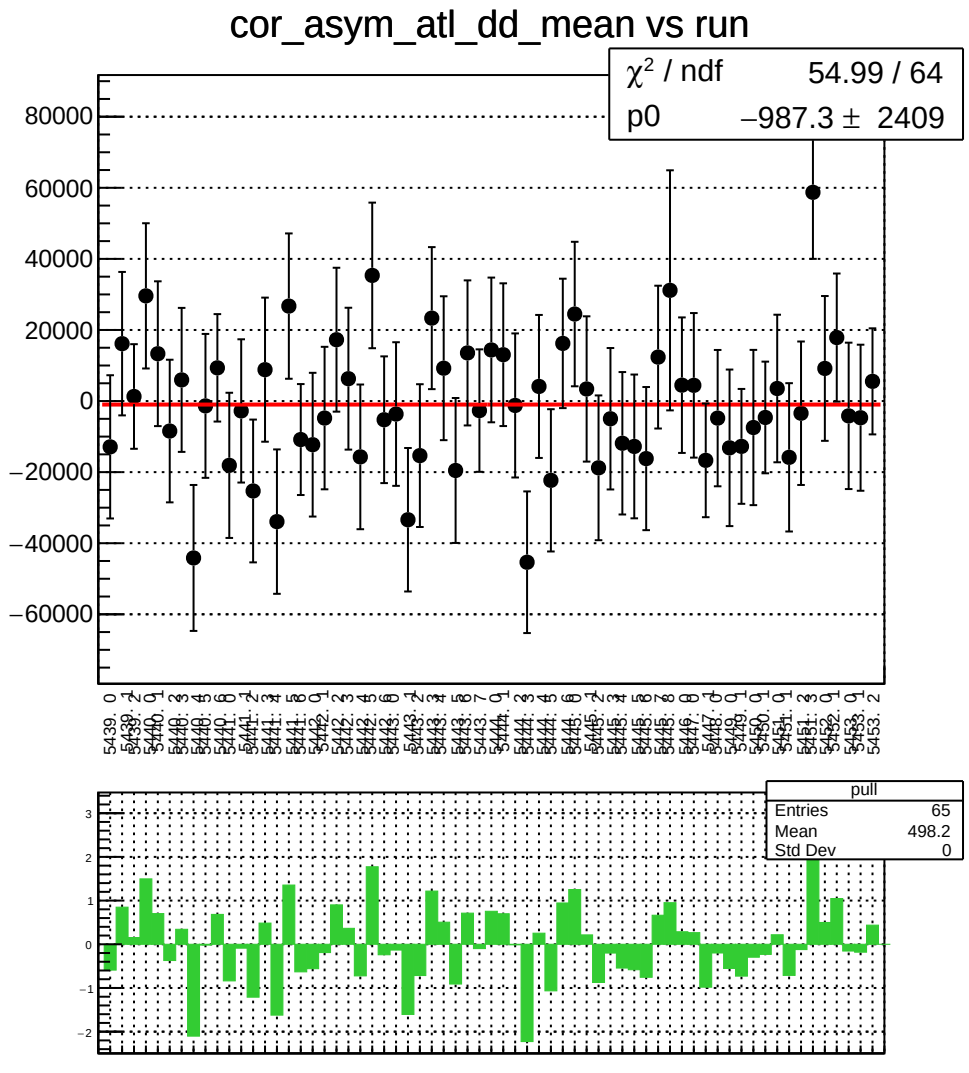

pull1D
Entries 65
Mean 0.002582
Std Dev 0.9199
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

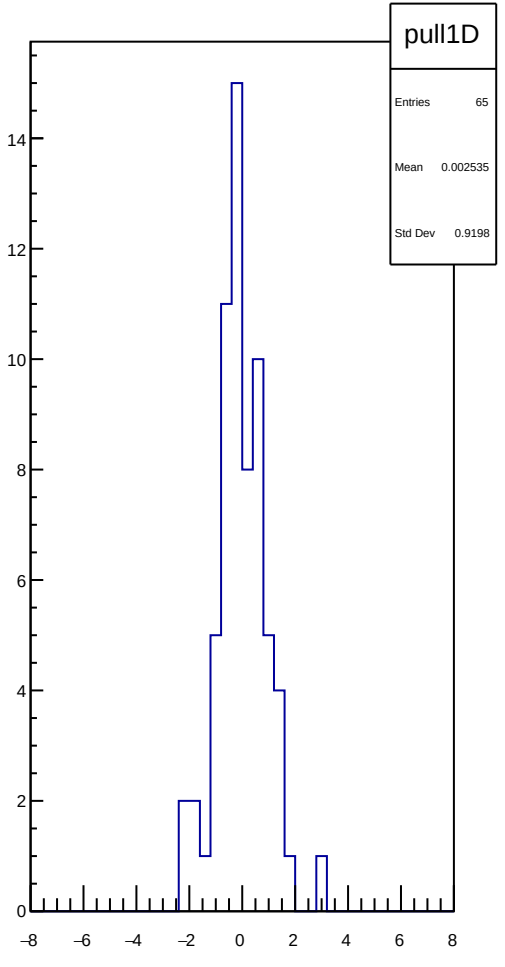

reg_asym_atl_dd_rms vs run
χ² / ndf 1.047e+04 / 64
p0 1946 ± 1.704
4500
4000
3500
3000
2500
2000

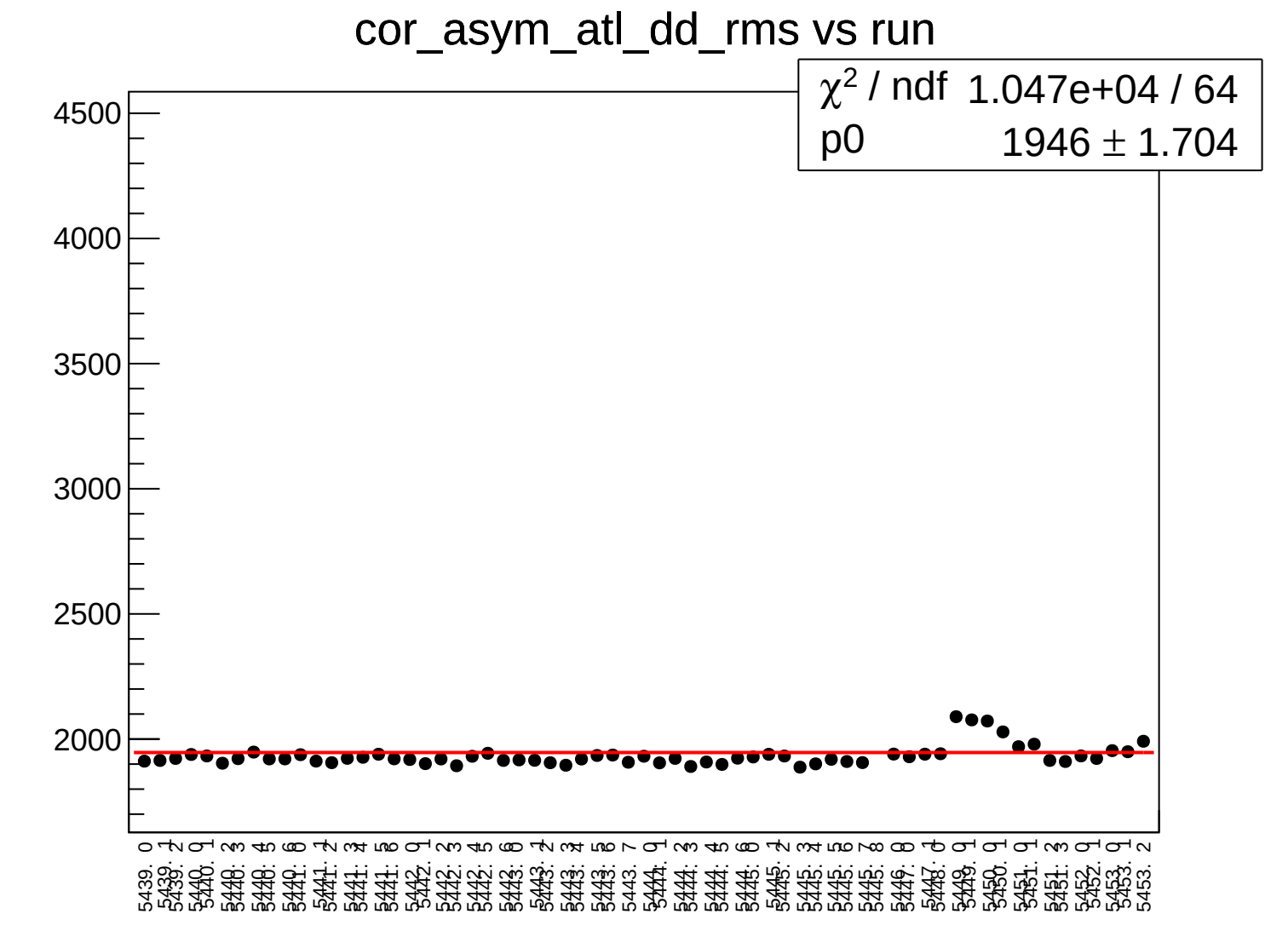

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.37 / 64
p0 3398 ± 6074
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 12.95
Std Dev 37.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

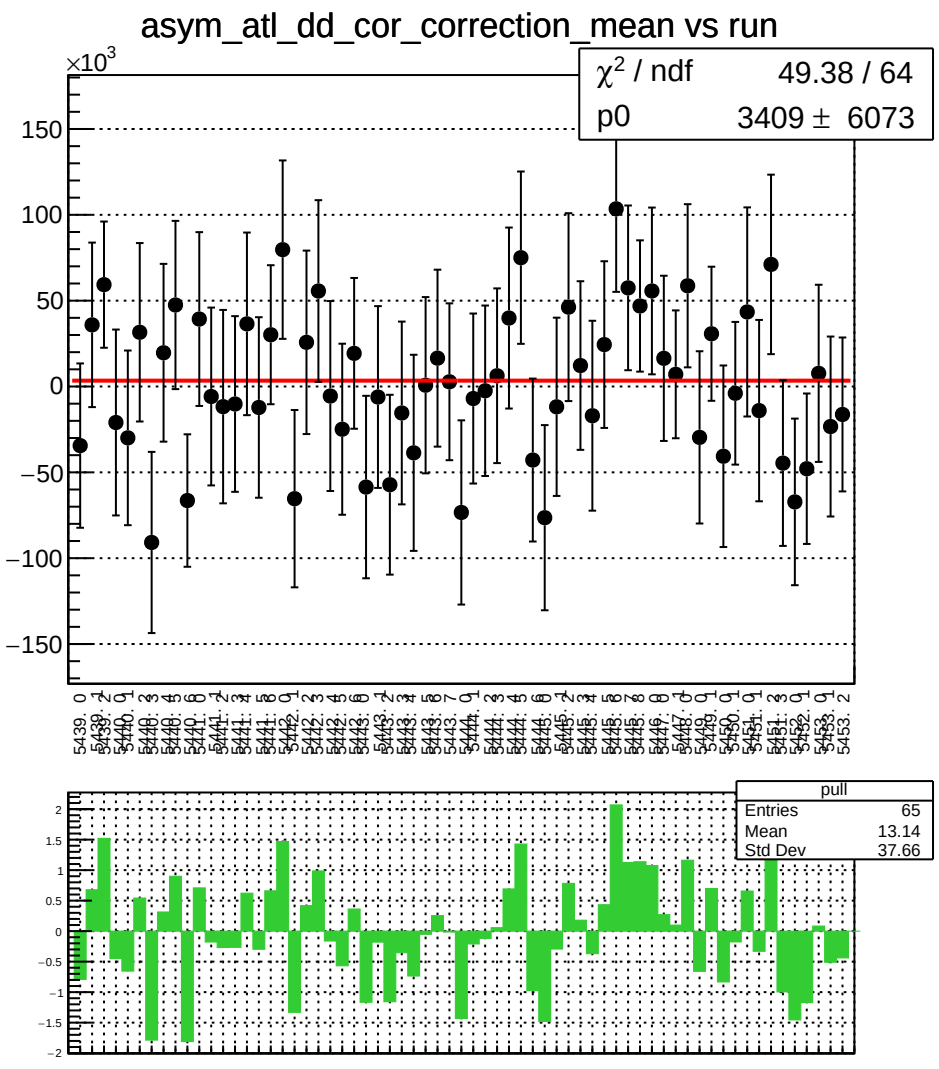

pull1D
Entries 65
Mean −0.01501
Std Dev 0.8714
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

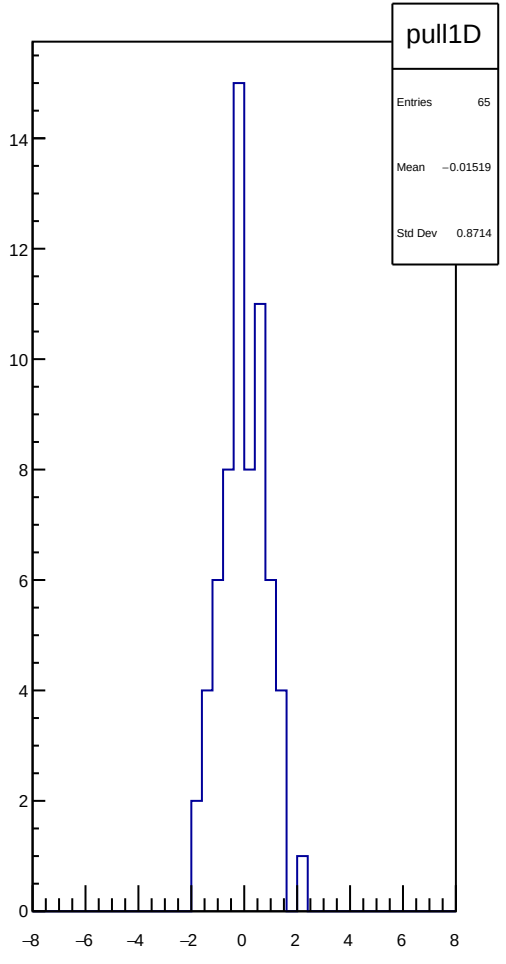

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 3828 / 64
p0 4919 ± 4.295
6000
5800
5600
5400
5200
5000
4800
4600
4400

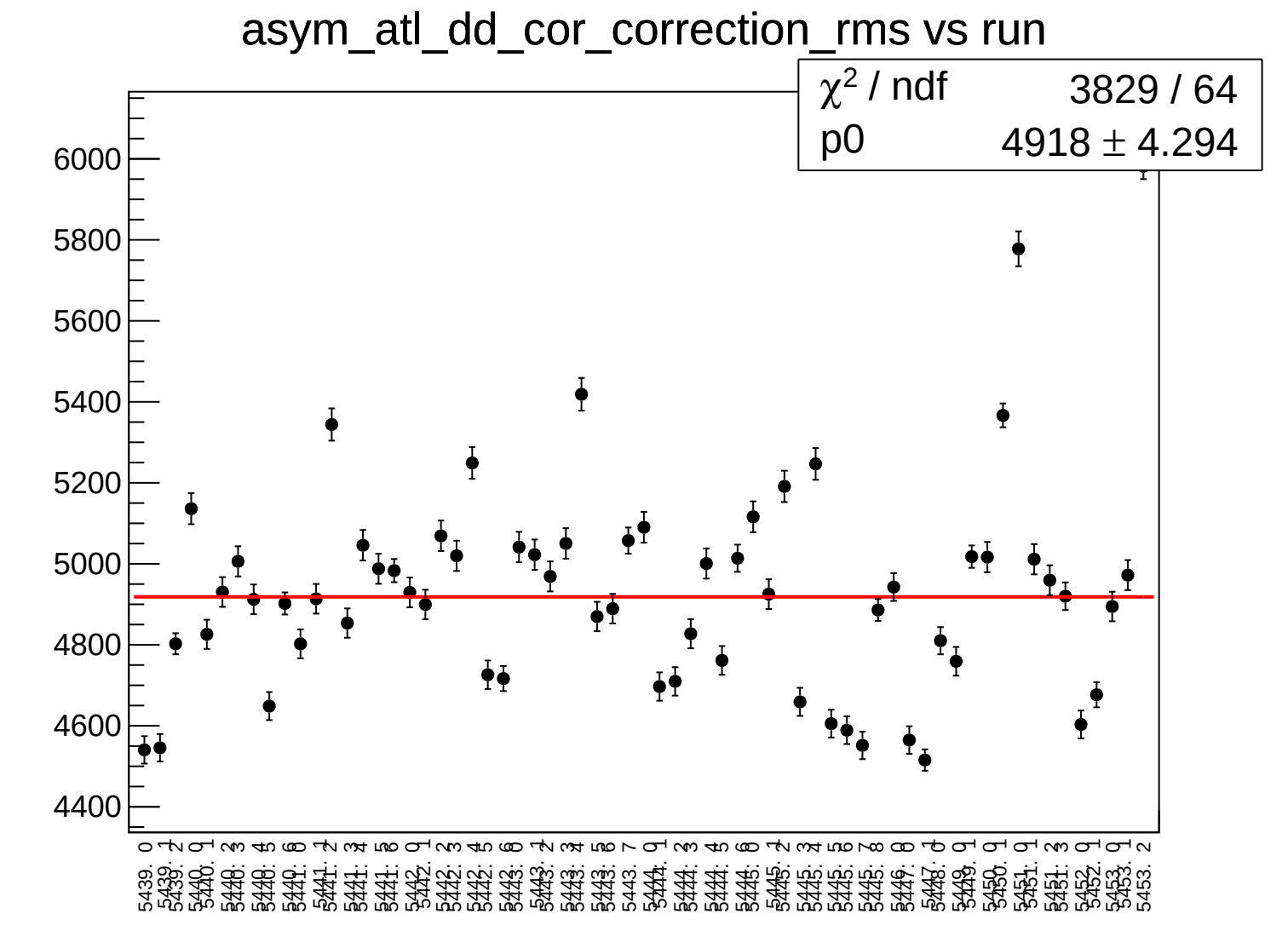

cor_asym_atl_dd_mean vs run
χ² / ndf 54.99 / 64
p0 −987.3 ± 2409
pull
Entries 65
Mean 498.2
Std Dev 0

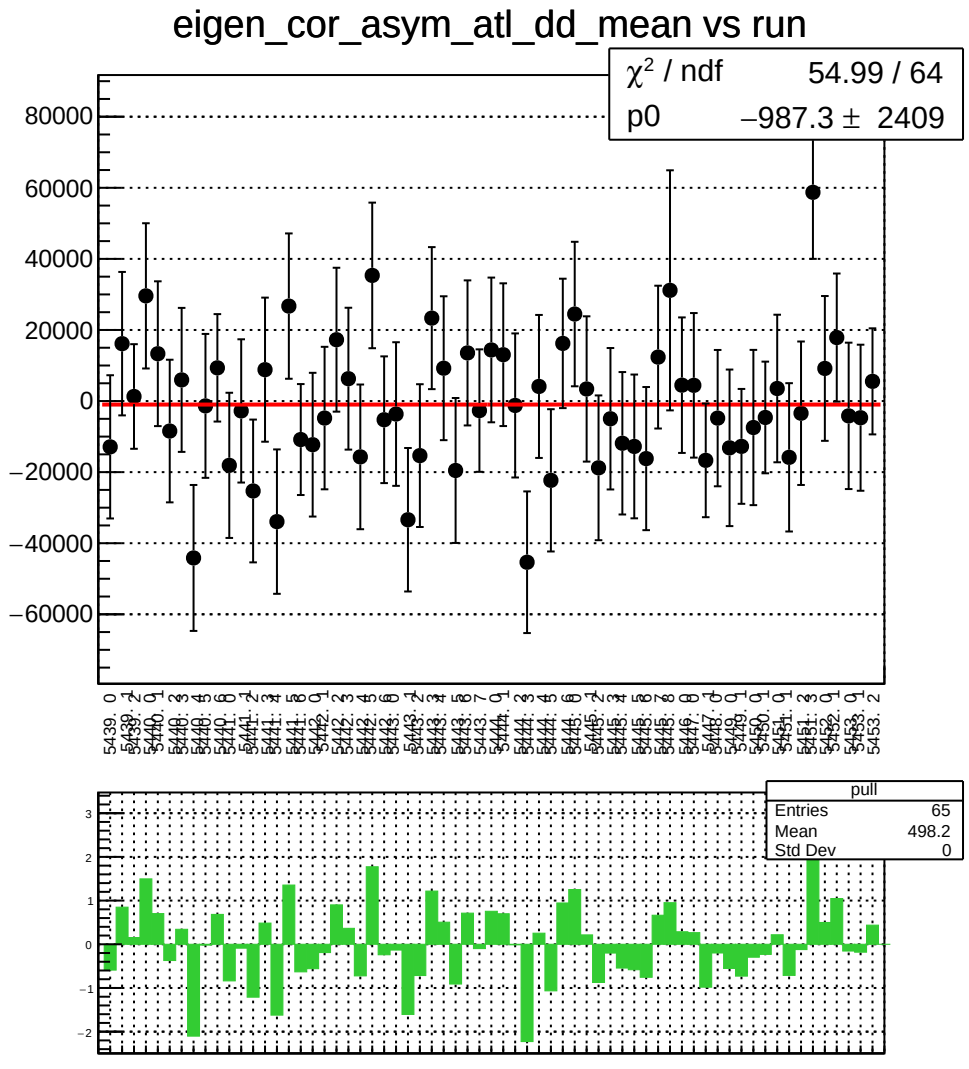

pull1D
Entries 65
Mean 0.002535
Std Dev 0.9198

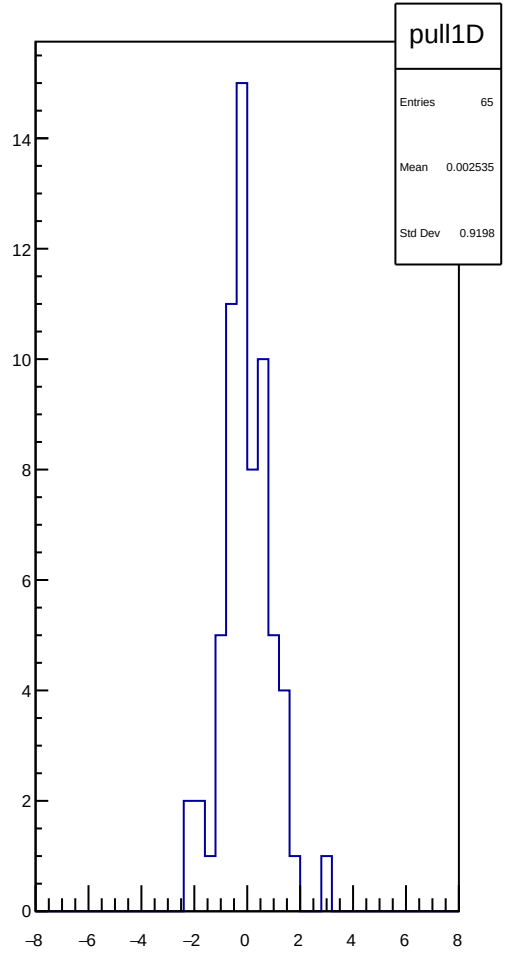

cor_asym_atl_dd_rms vs run
χ² / ndf 1.047e+04 / 64
p0 1946 ± 1.704
4500
4000
3500
3000
2500
2000

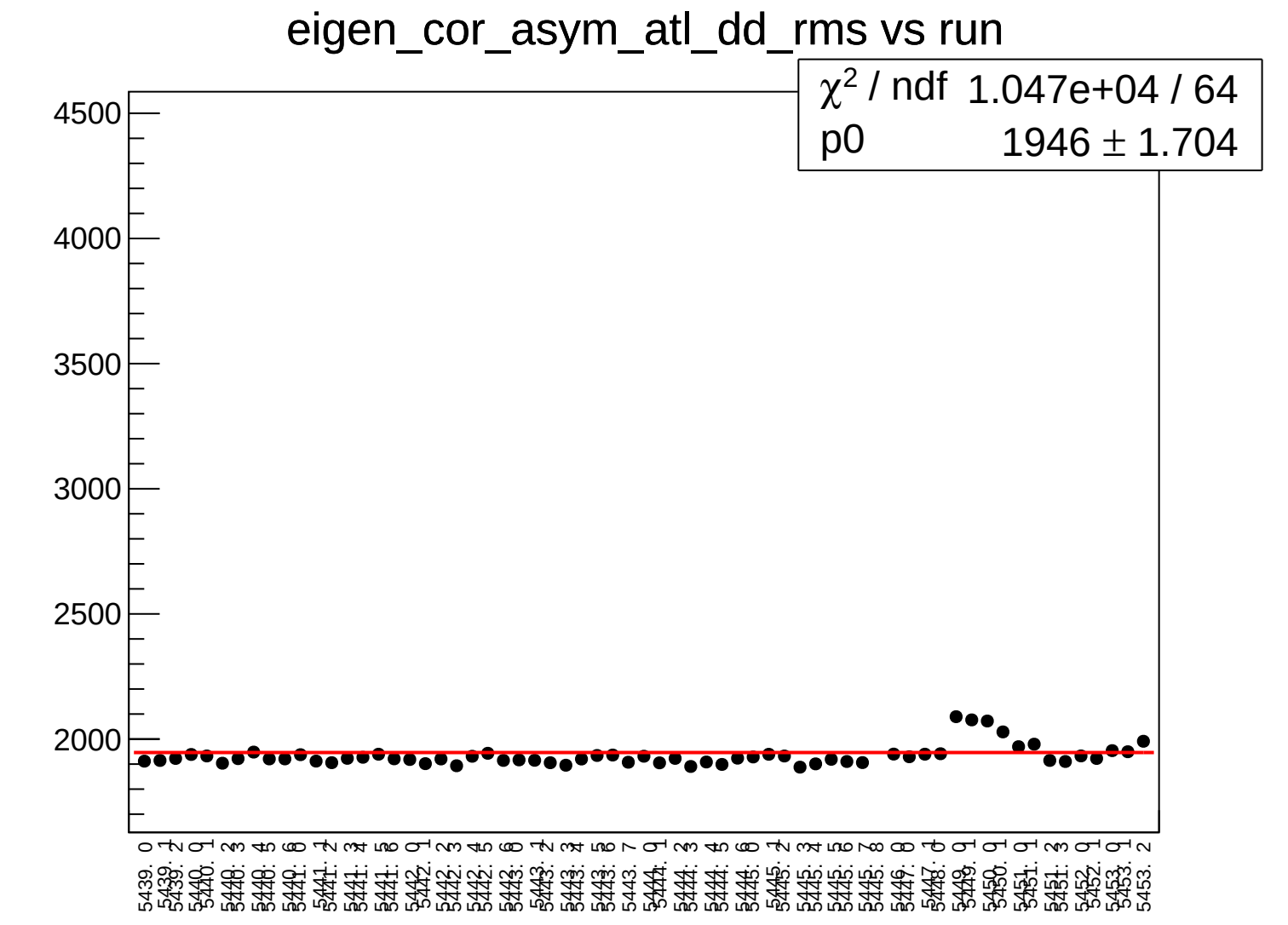

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 49.38 / 64
p0 3409 ± 6073
×10³
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 13.14
Std Dev 37.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

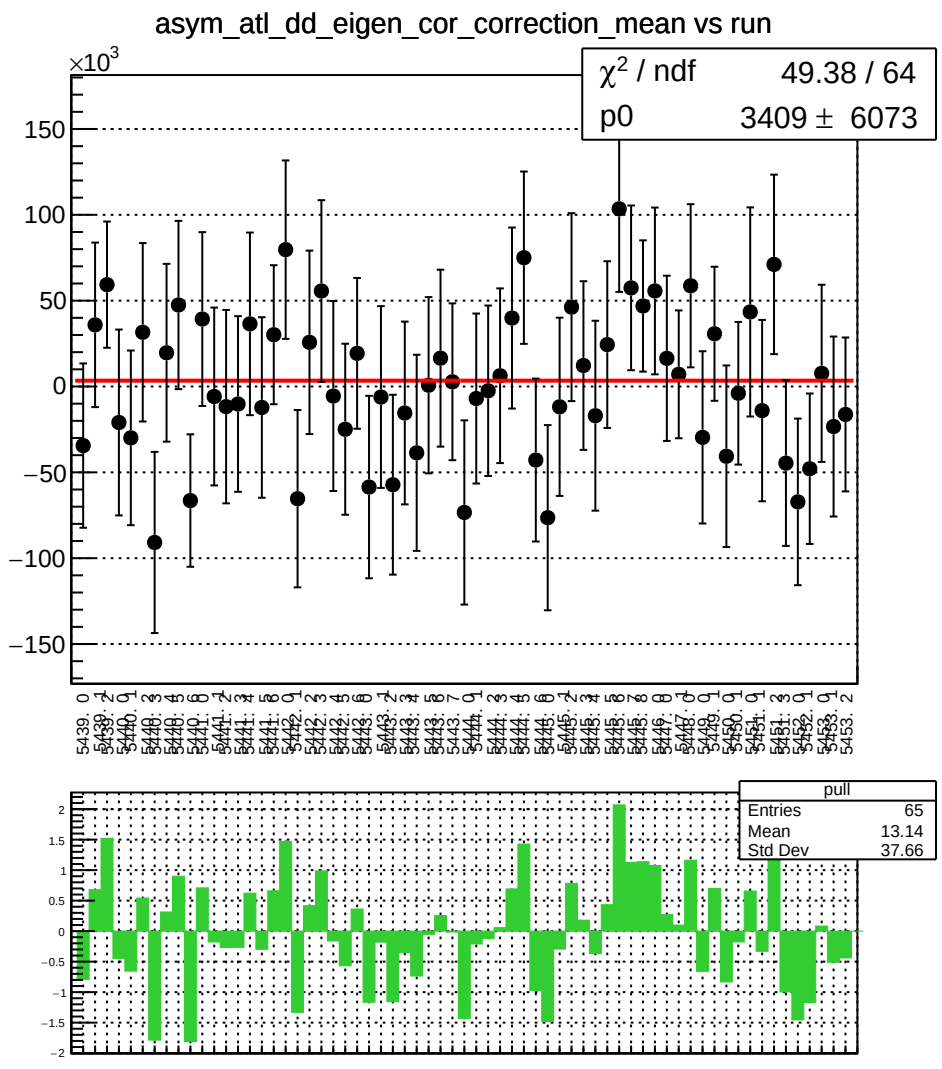

pull1D
Entries 65
Mean −0.01519
Std Dev 0.8714
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

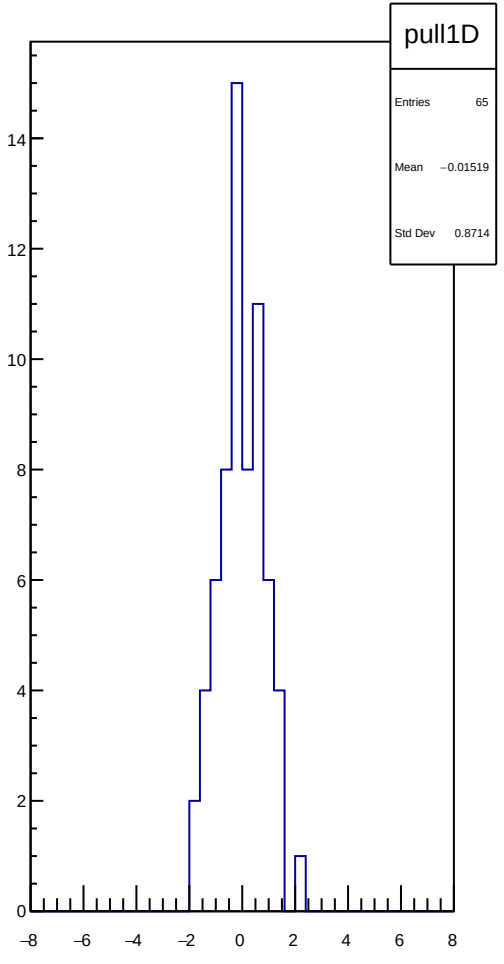

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 3829 / 64
p0 4918 ± 4.294
6000
5800
5600
5400
5200
5000
4800
4600
4400

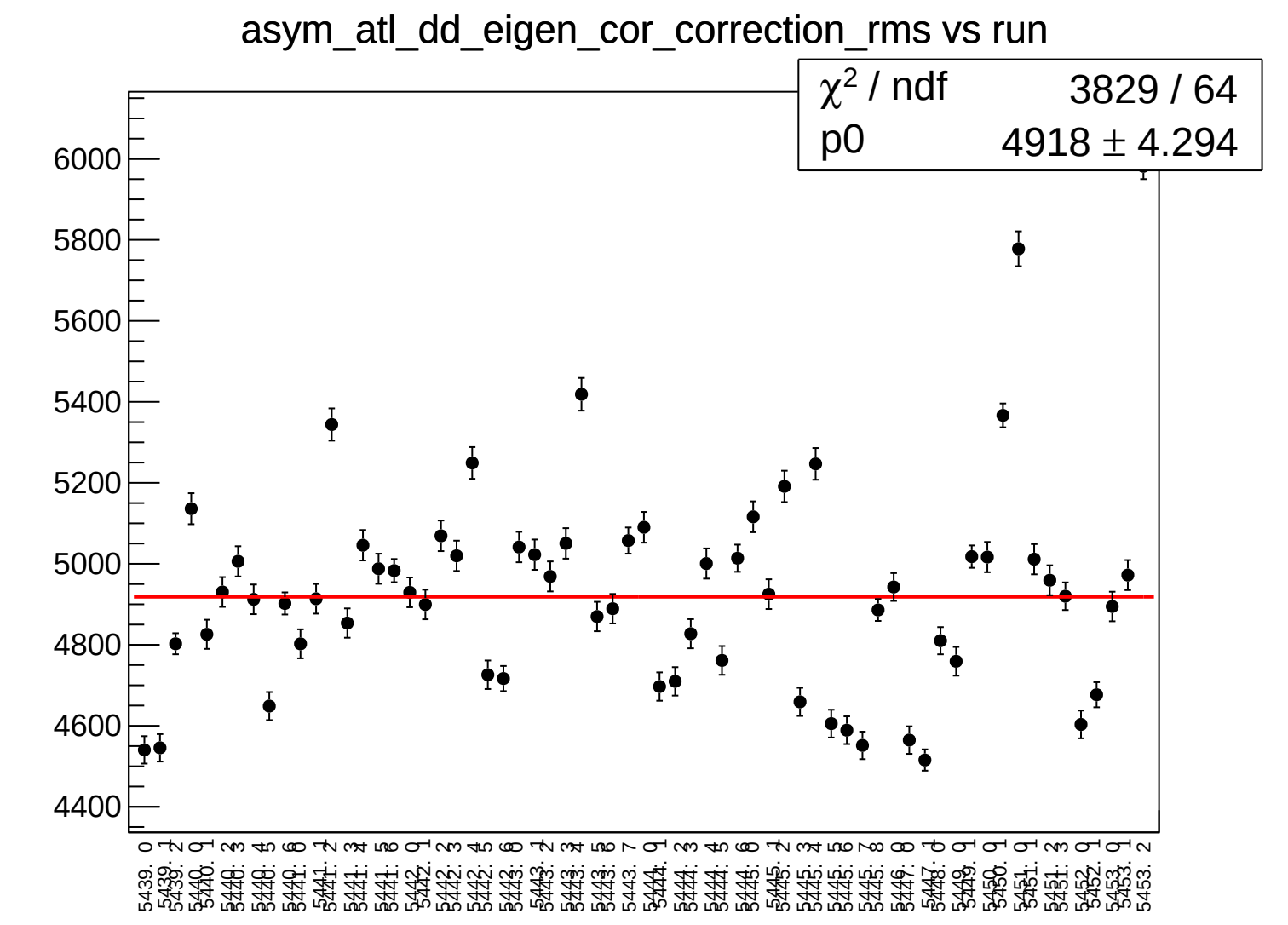

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 54.99 / 64
p0 −987.3 ± 2409
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 498.2
Std Dev 0
3
2
1
0
−1
−2

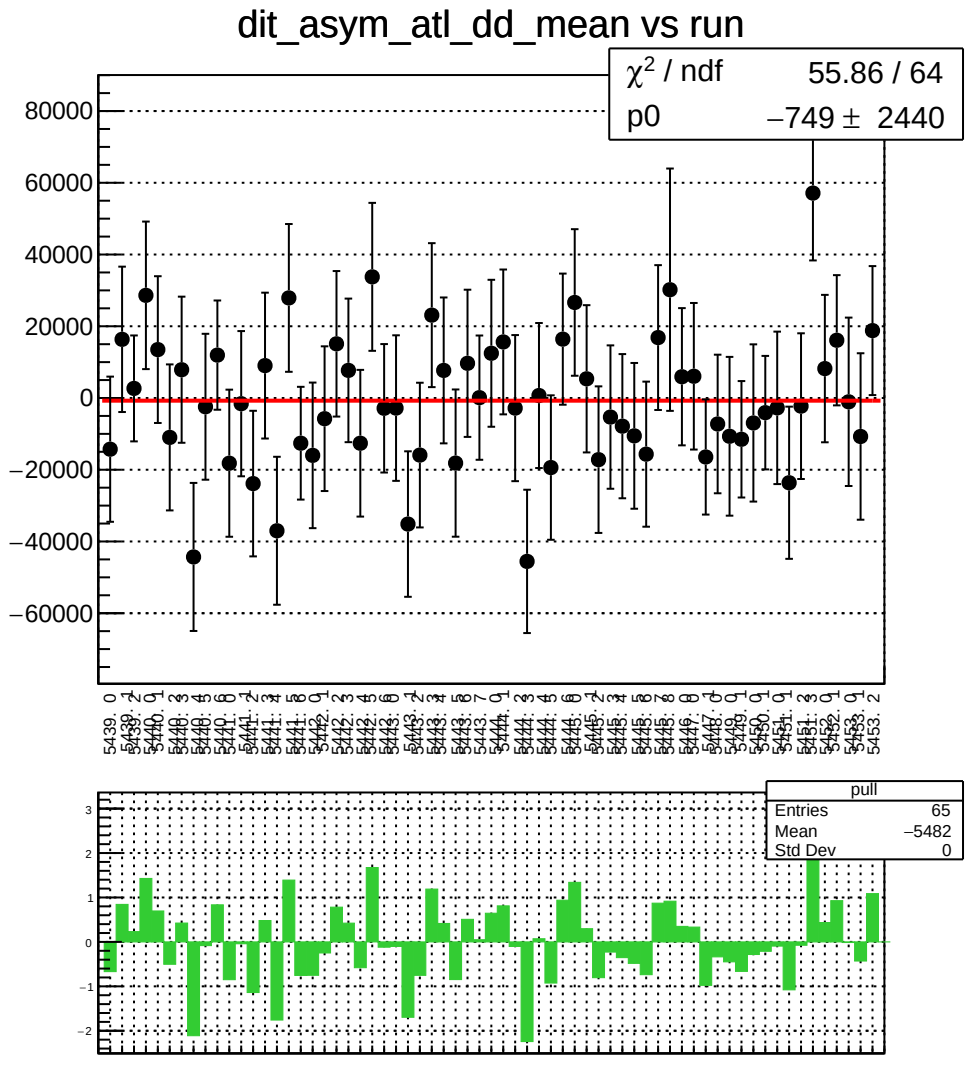

pull1D
Entries 65
Mean 0.002535
Std Dev 0.9198
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

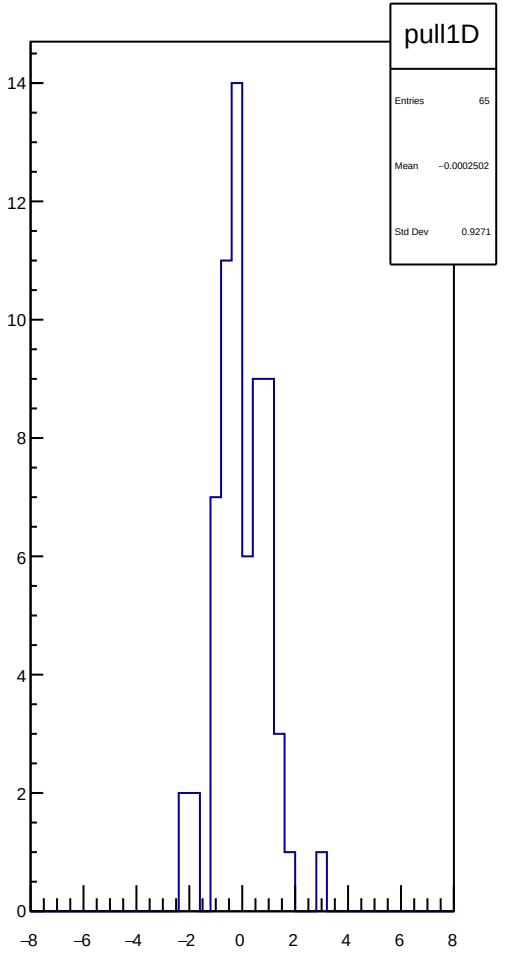

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 1.047e+04 / 64
p0 1946 ± 1.704
4500
4000
3500
3000
2500
2000

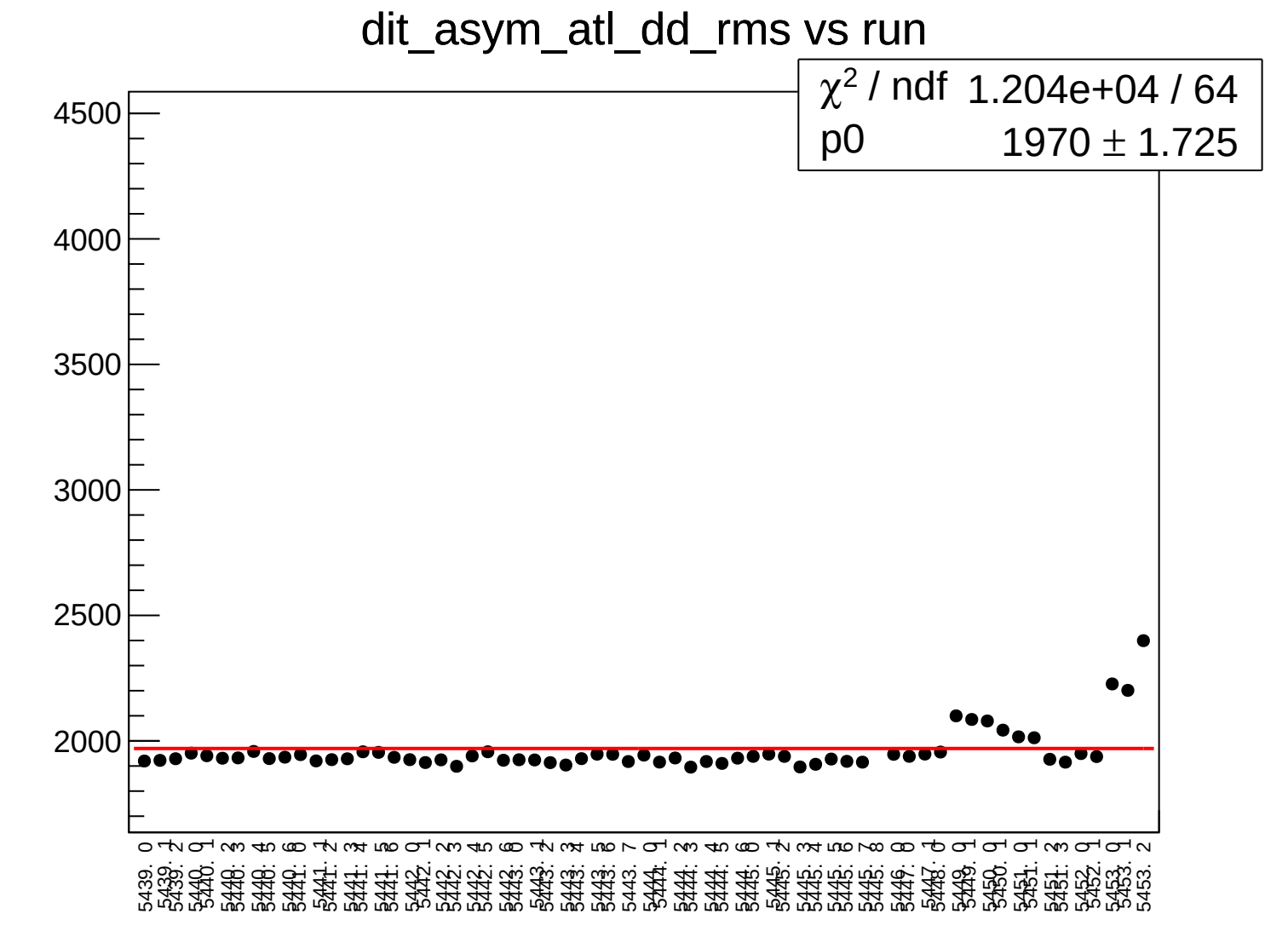

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.38 / 64
p0 3409 ± 6073
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 13.14
Std Dev 37.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

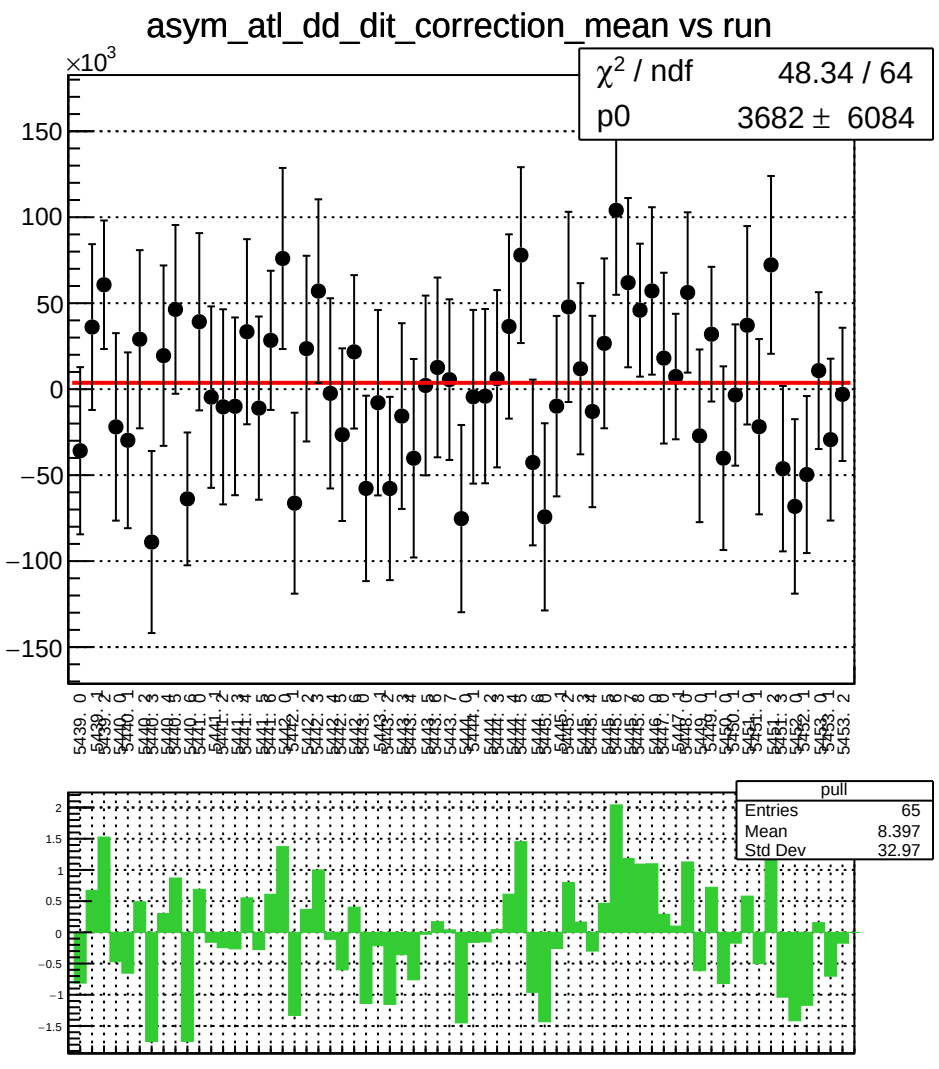

pull1D
Entries 65
Mean −0.01519
Std Dev 0.8714
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

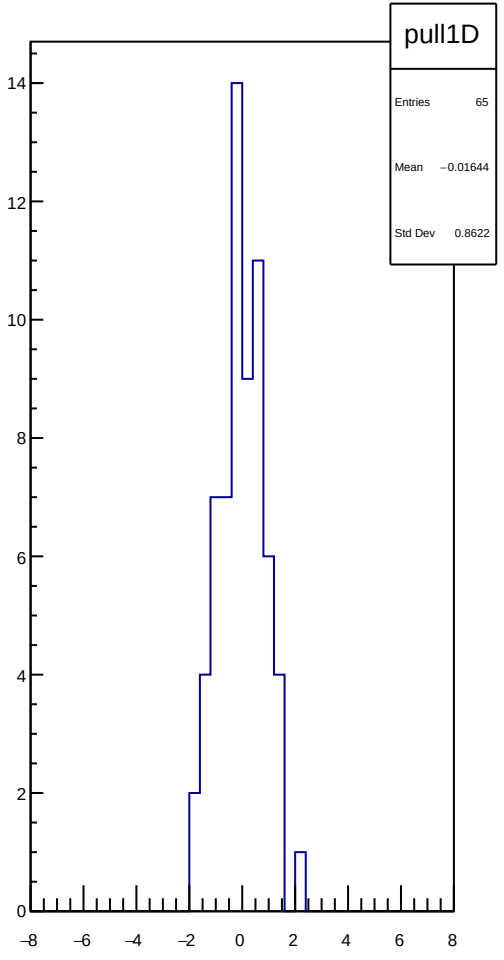

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 3829 / 64
p0 4918 ± 4.294
6000
5800
5600
5400
5200
5000
4800
4600
4400

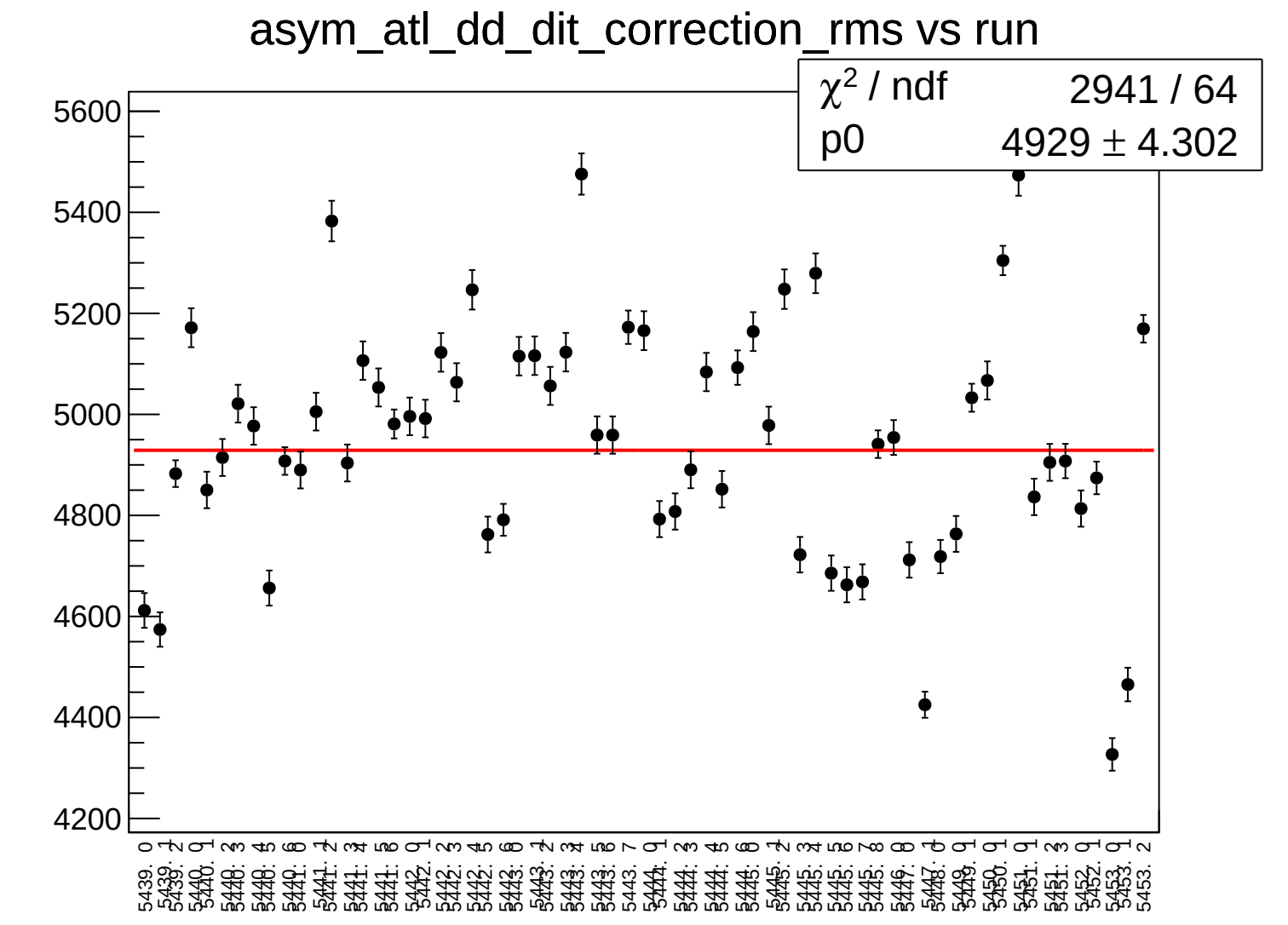

dit_asym_atl_dd_mean vs run
χ² / ndf 55.86 / 64
p0 −749 ± 2440
pull
Entries 65
Mean −5482
Std Dev 0

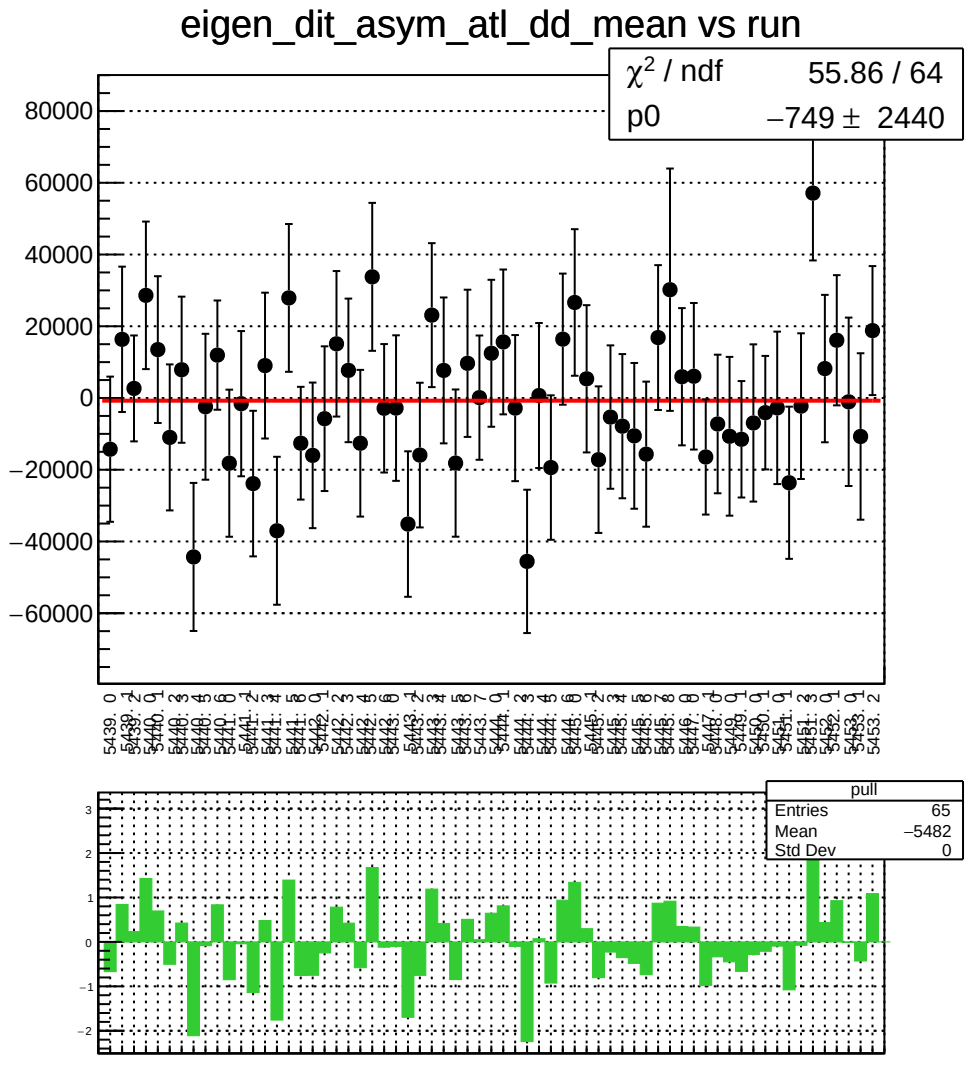

pull1D
Entries 65
Mean −0.0002502
Std Dev 0.9271

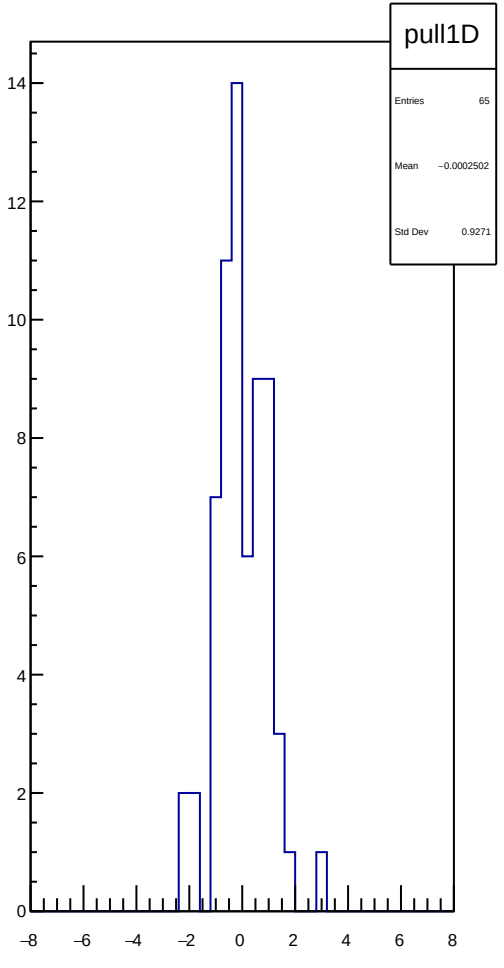

dit_asym_atl_dd_rms vs run
χ² / ndf 1.204e+04 / 64
p0 1970 ± 1.725
4500
4000
3500
3000
2500
2000

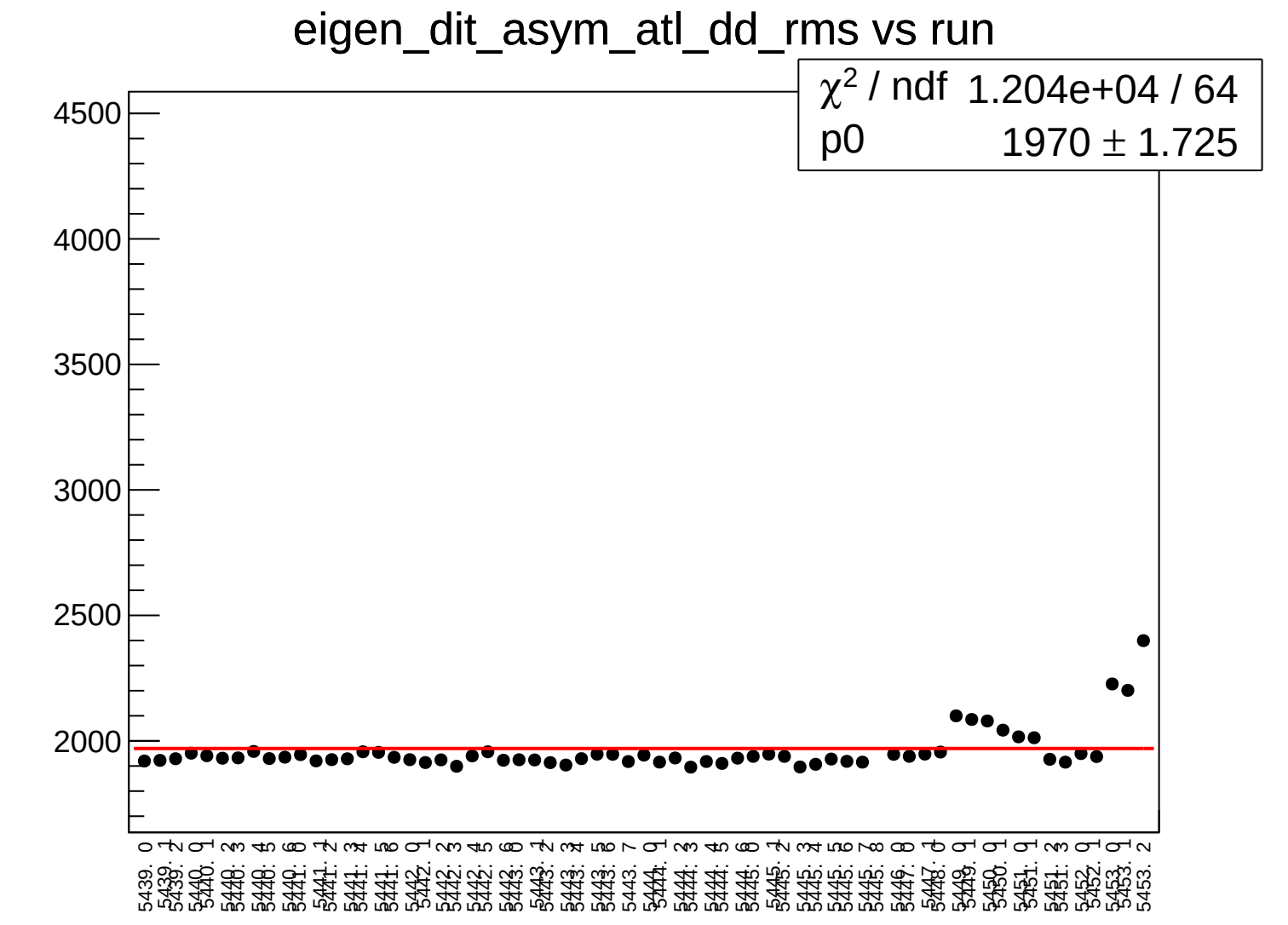

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 48.34 / 64
p0 3682 ± 6084
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 8.397
Std Dev 32.97
2
1.5
1
0.5
0
−0.5
−1
−1.5

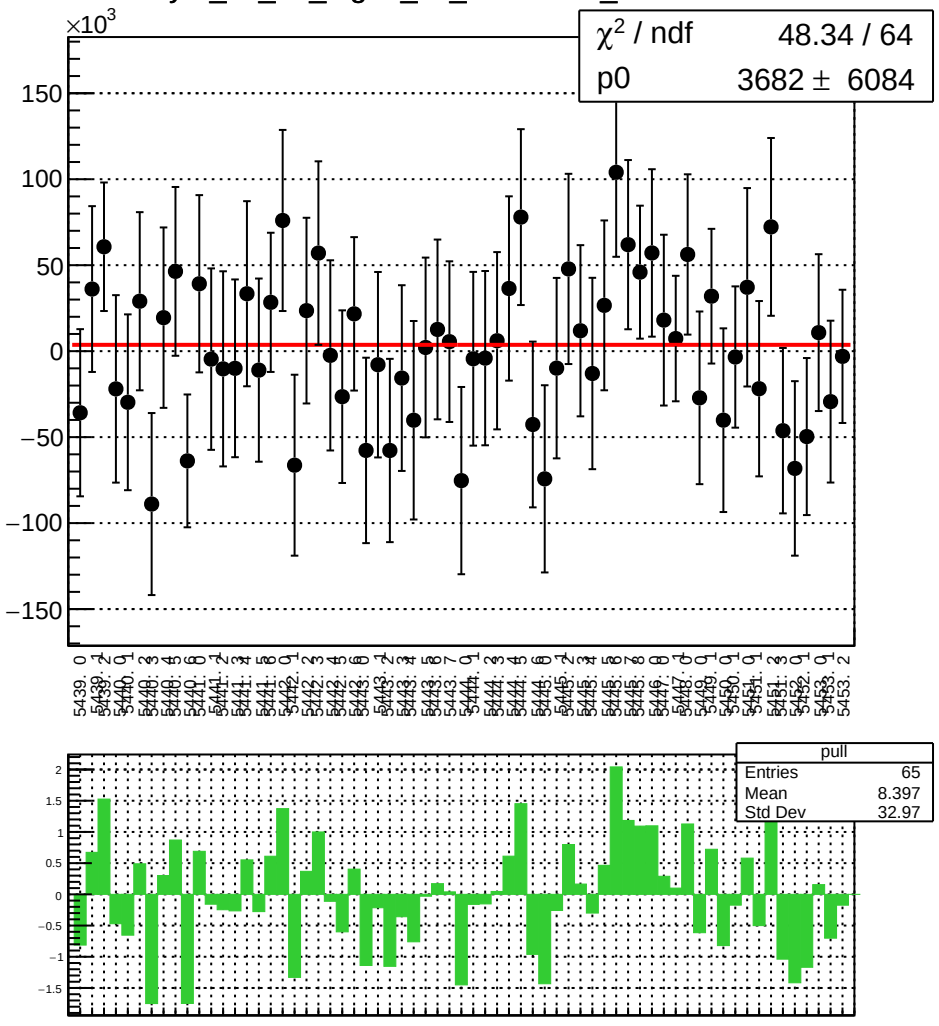

pull1D
Entries 65
Mean −0.01644
Std Dev 0.8622
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

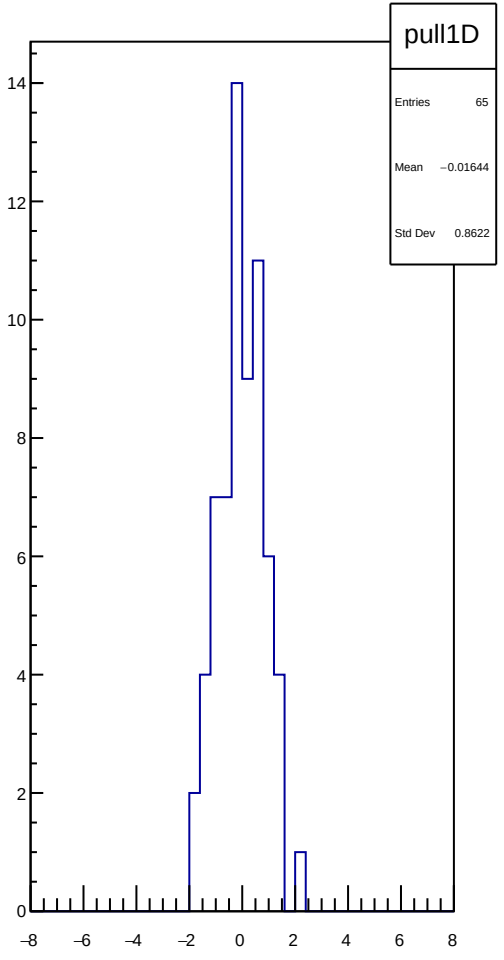

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 2941 / 64
p0 4929 ± 4.302
5600
5400
5200
5000
4800
4600
4400
4200

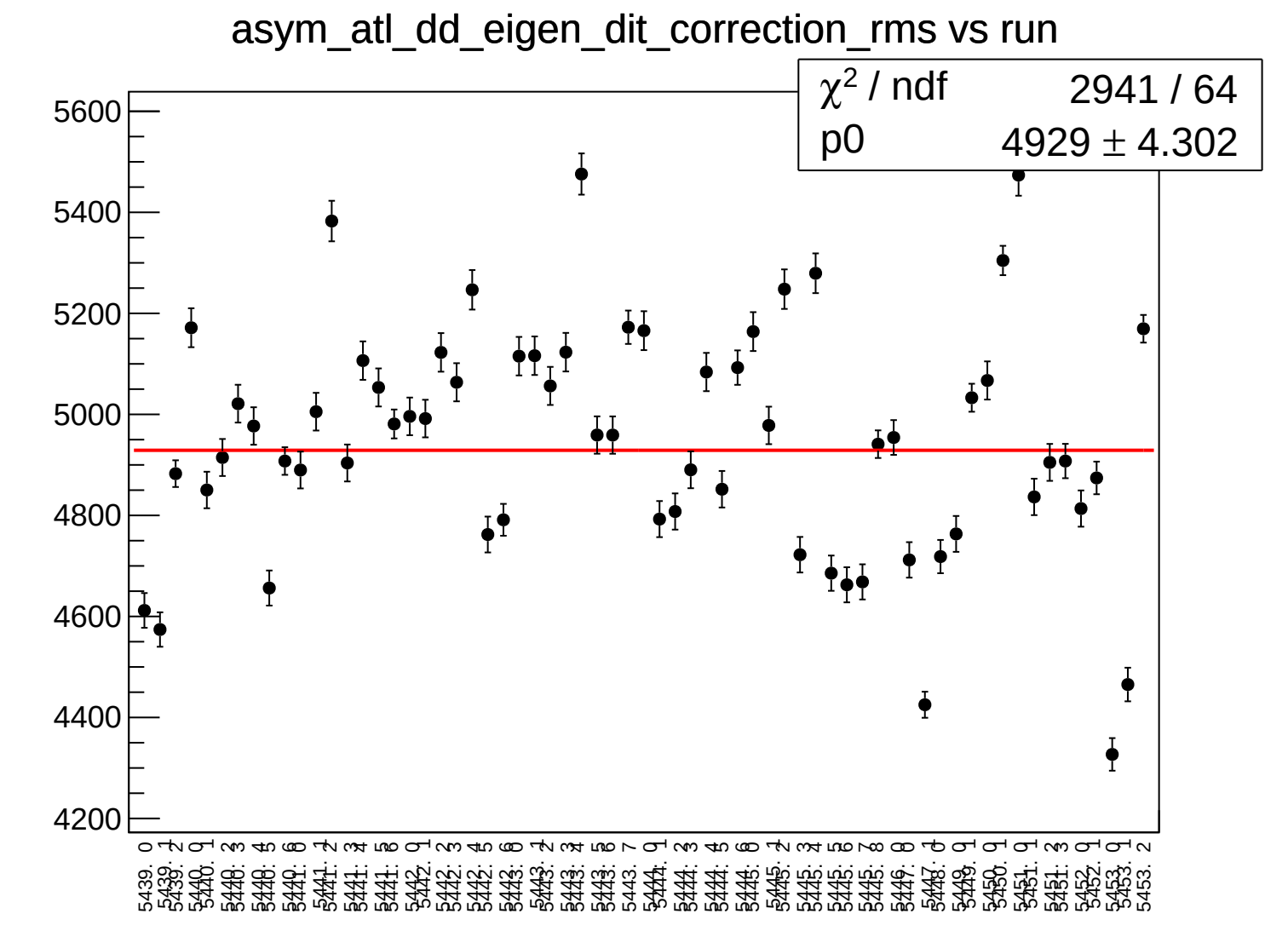

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 55.86 / 64
p0 −749 ± 2440
pull
Entries 65
Mean −5482
Std Dev 0

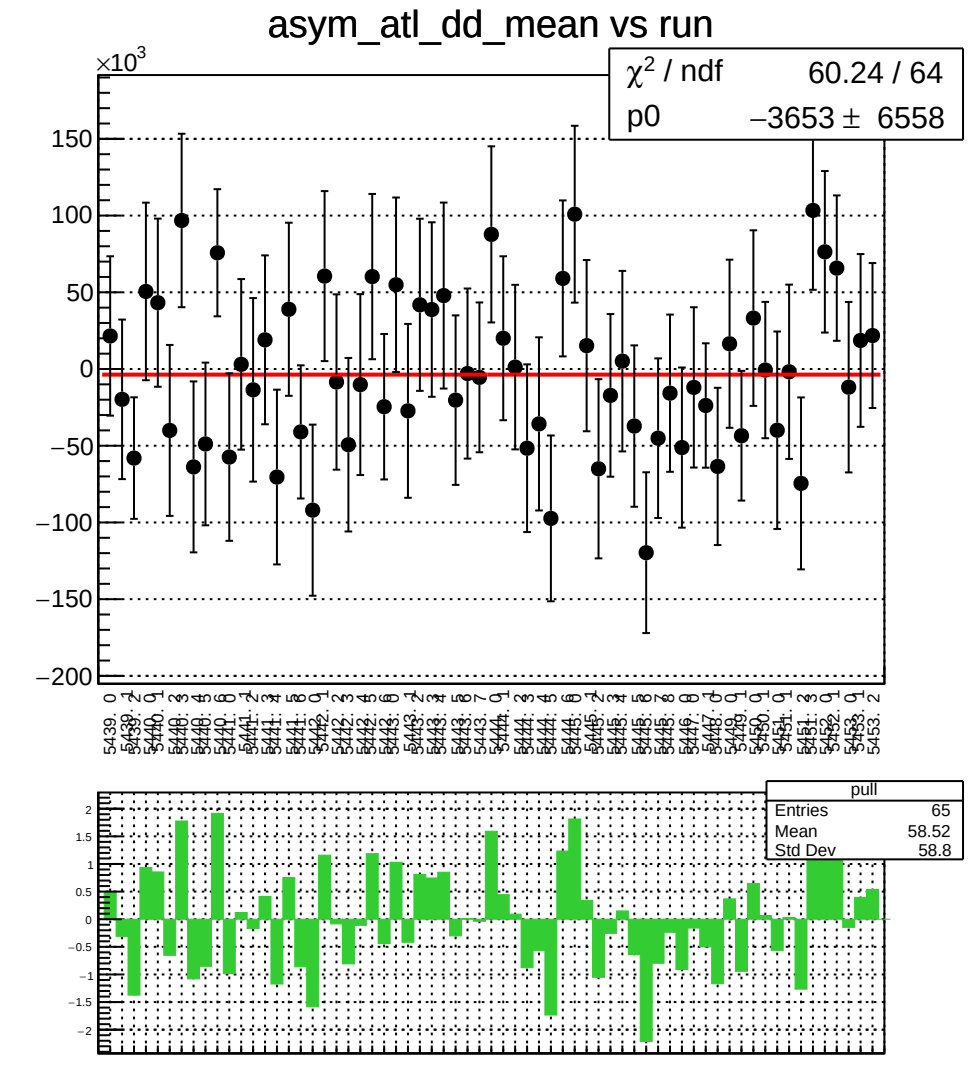

pull1D
Entries 65
Mean −0.0002502
Std Dev 0.9271

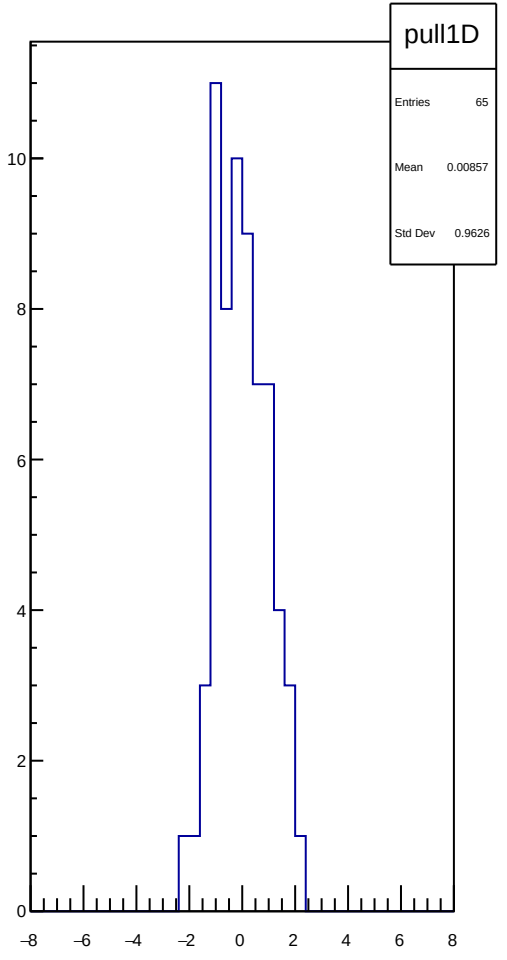

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 1.204e+04 / 64
p0 1970 ± 1.725
4500
4000
3500
3000
2500
2000

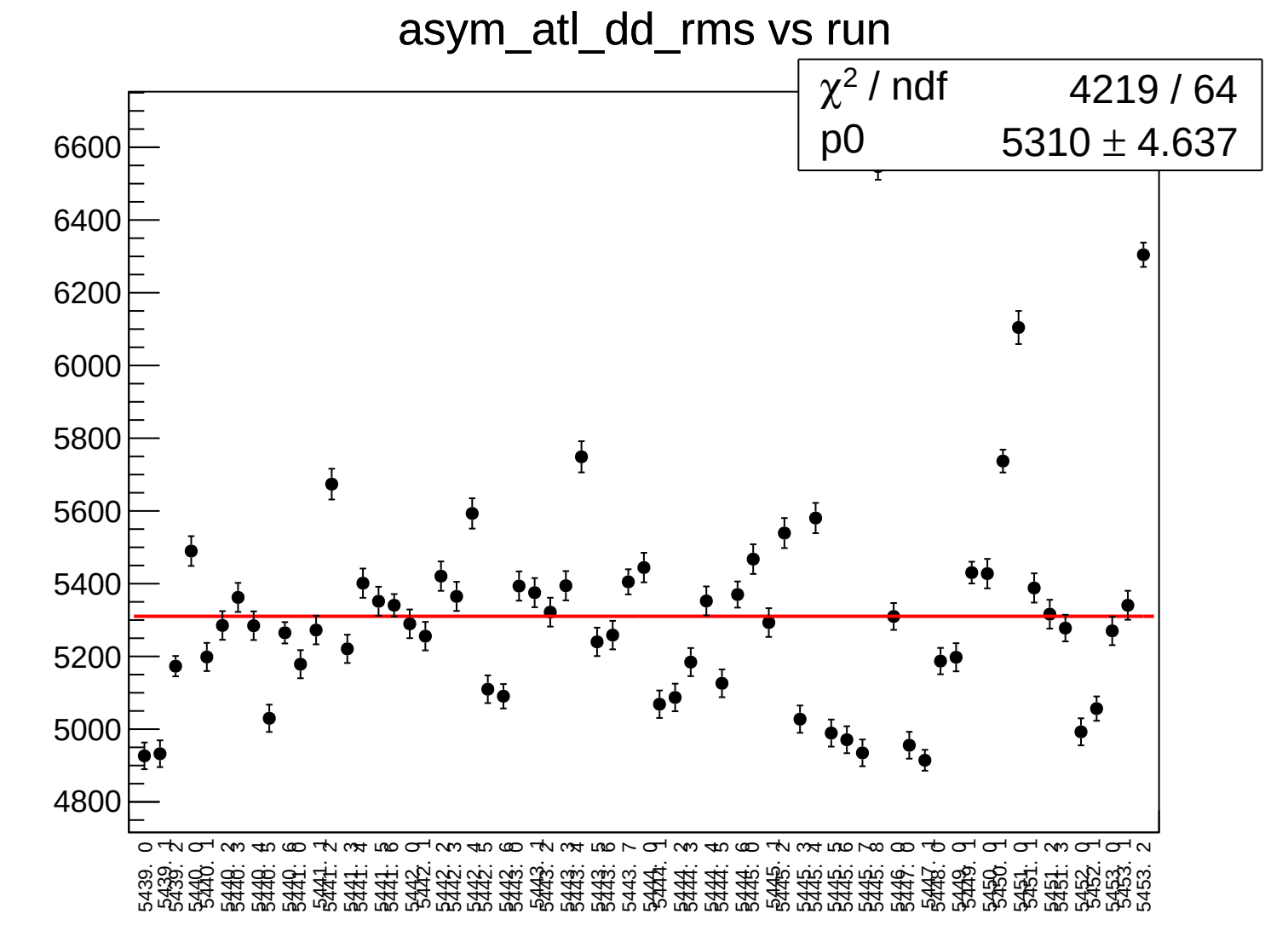

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 48.34 / 64
p0 3682 ± 6084
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 8.397
Std Dev 32.97
2
1.5
1
0.5
0
−0.5
−1
−1.5

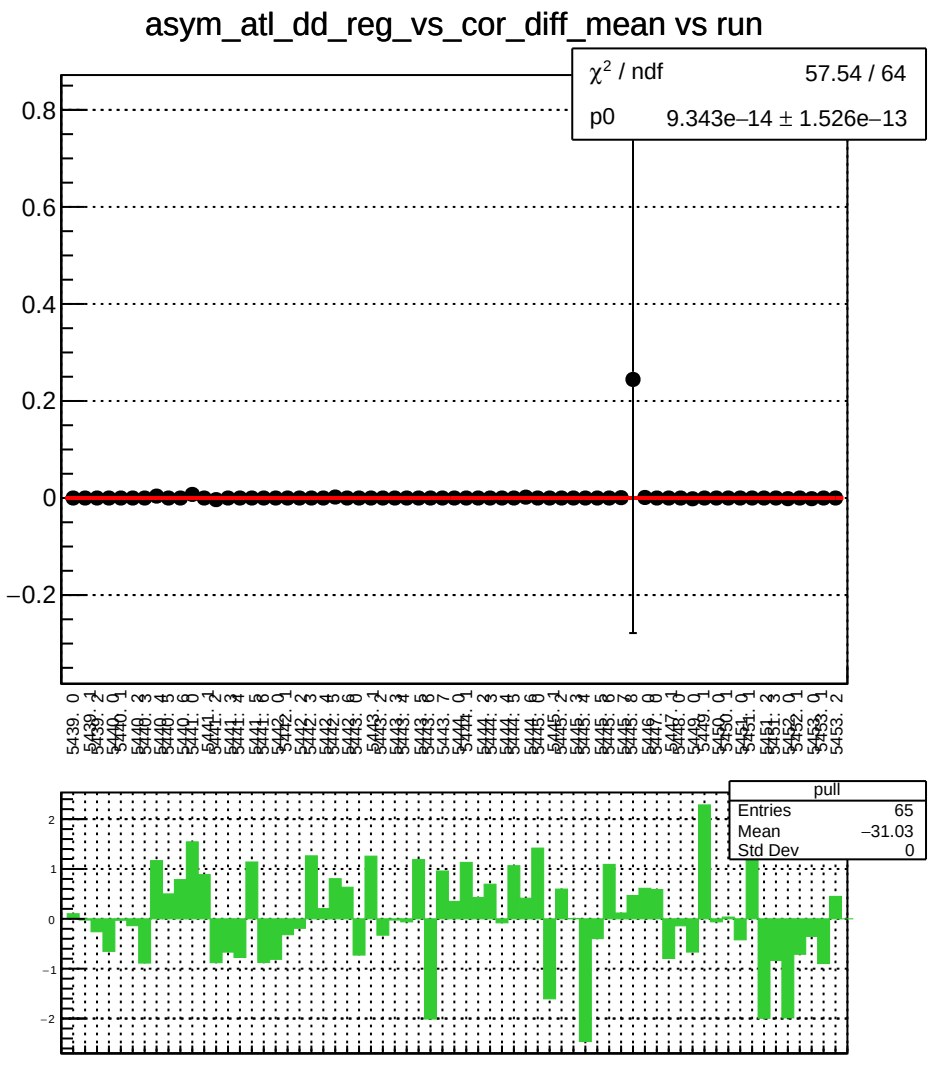

pull1D
Entries 65
Mean −0.01644
Std Dev 0.8622
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

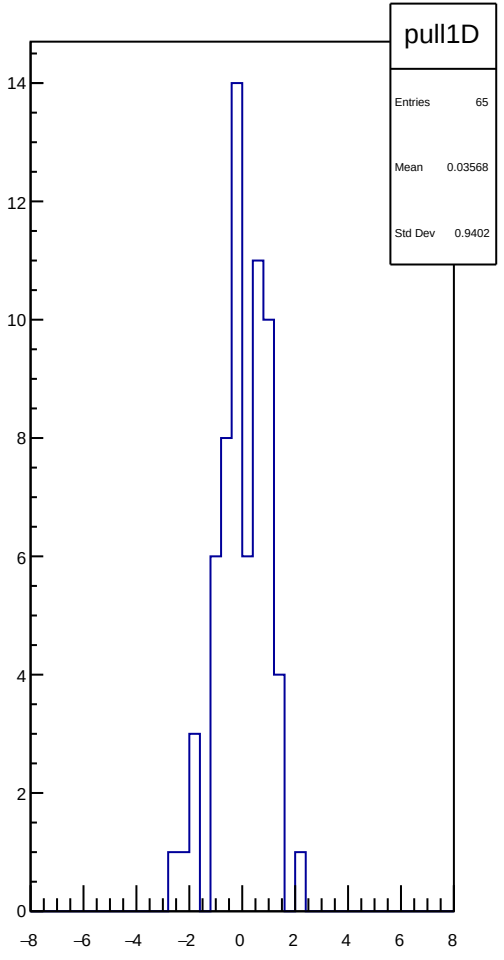

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 2941 / 64
p0 4929 ± 4.302
5600
5400
5200
5000
4800
4600
4400
4200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

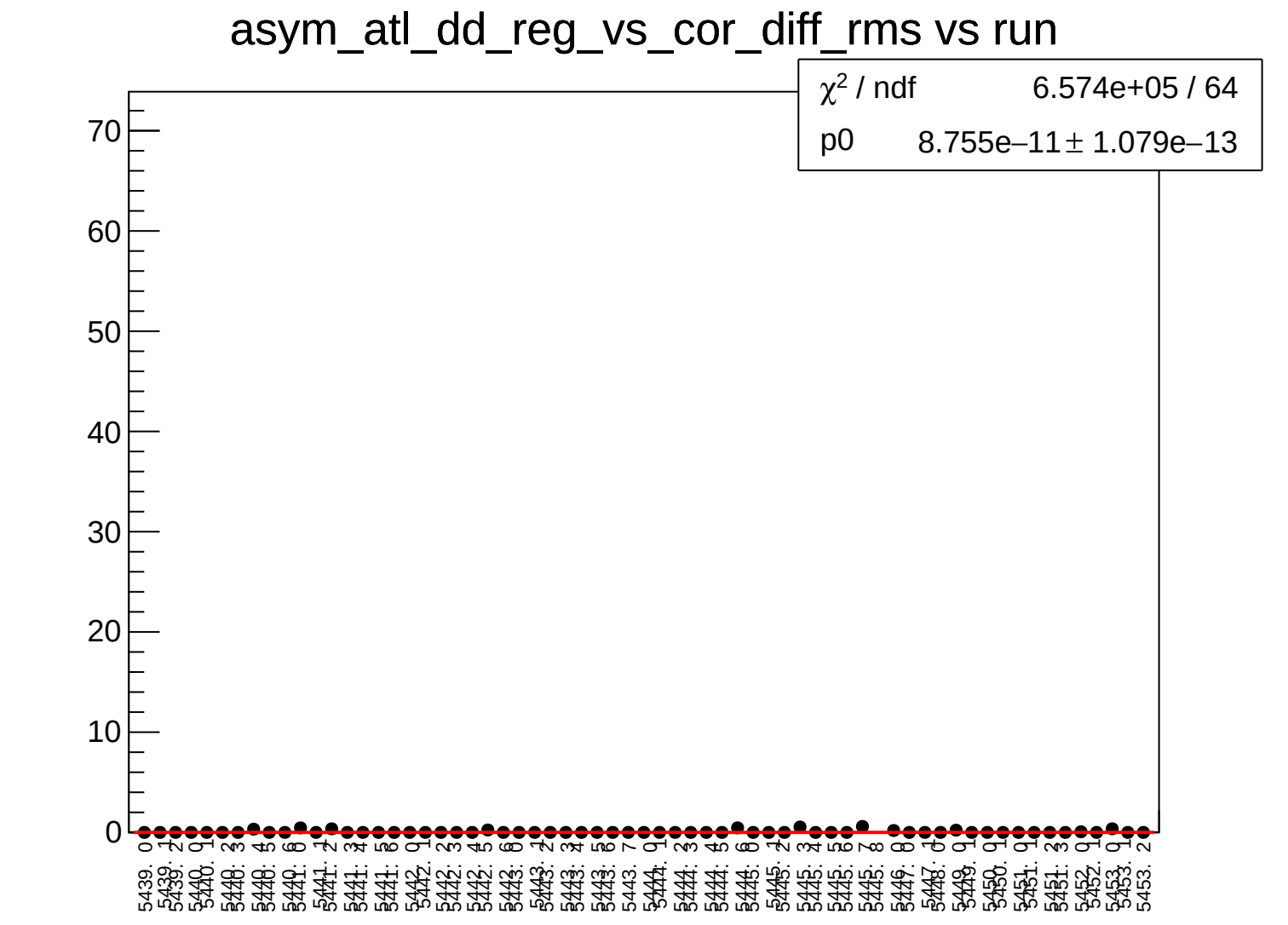

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 60.24 / 64
p0 −3653 ± 6558
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 58.52
Std Dev 58.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

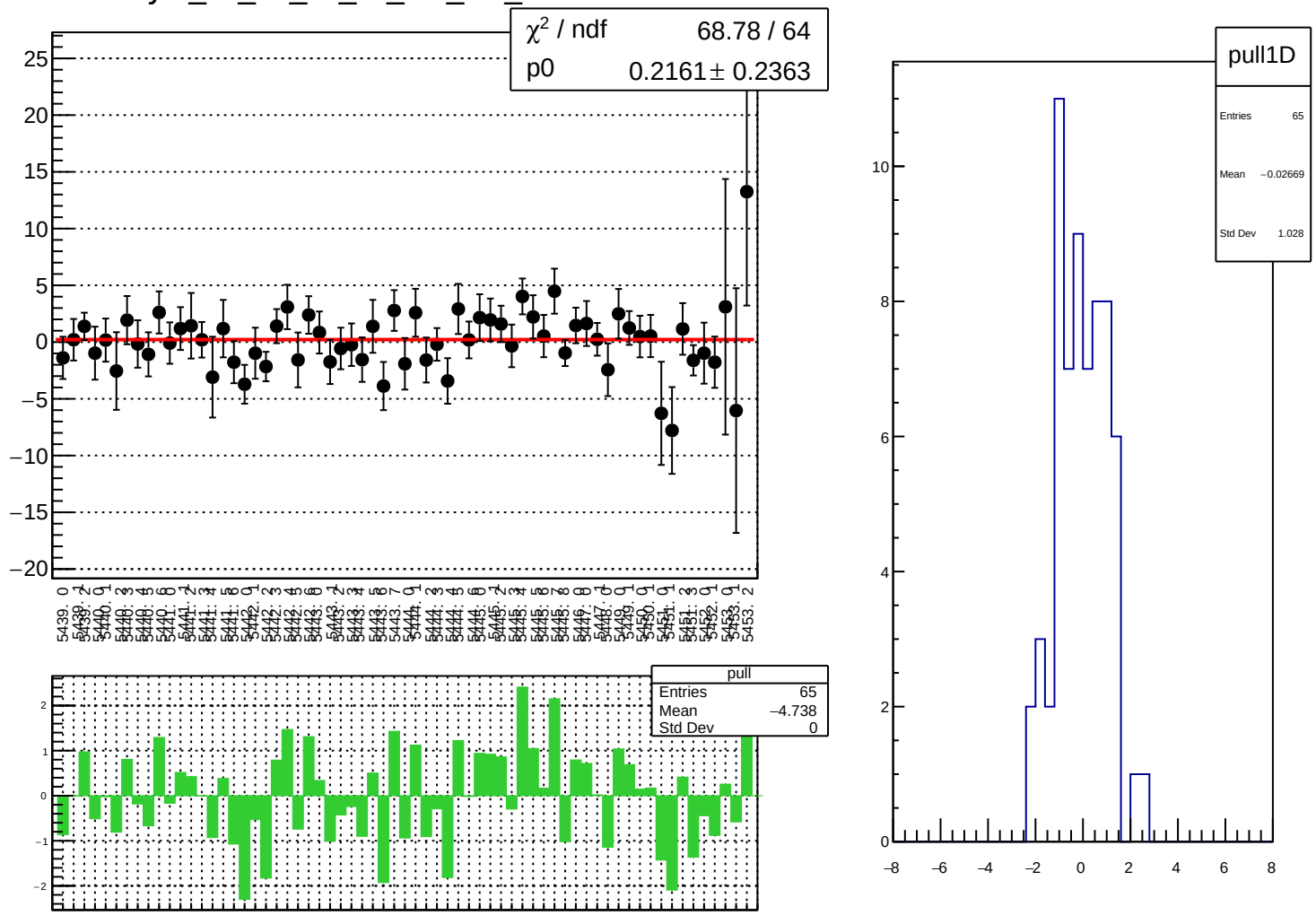

pull1D
Entries 65
Mean 0.00857
Std Dev 0.9626
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

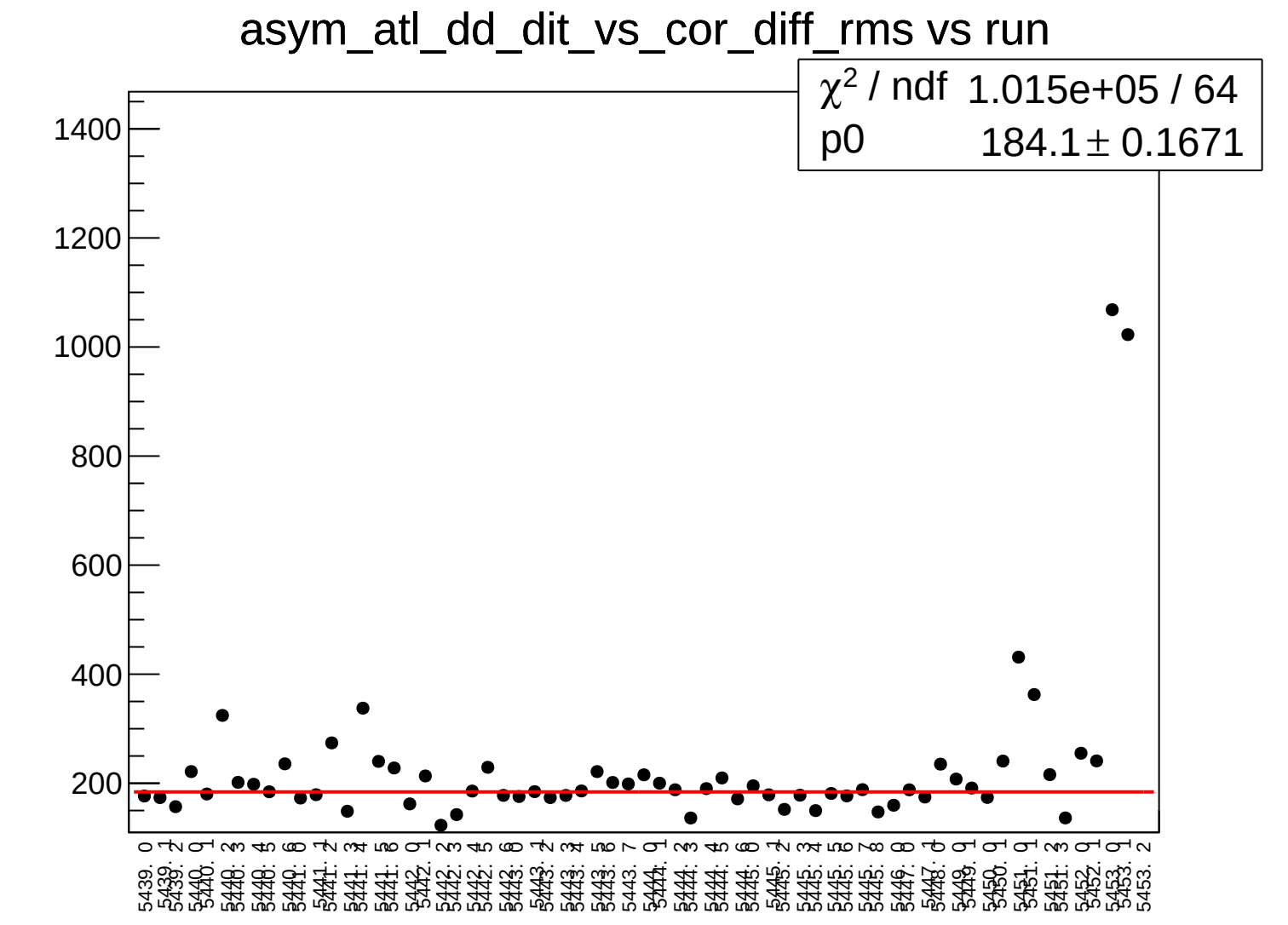

asym_atl_dd_rms vs run
χ² / ndf 4219 / 64
p0 5310 ± 4.637
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

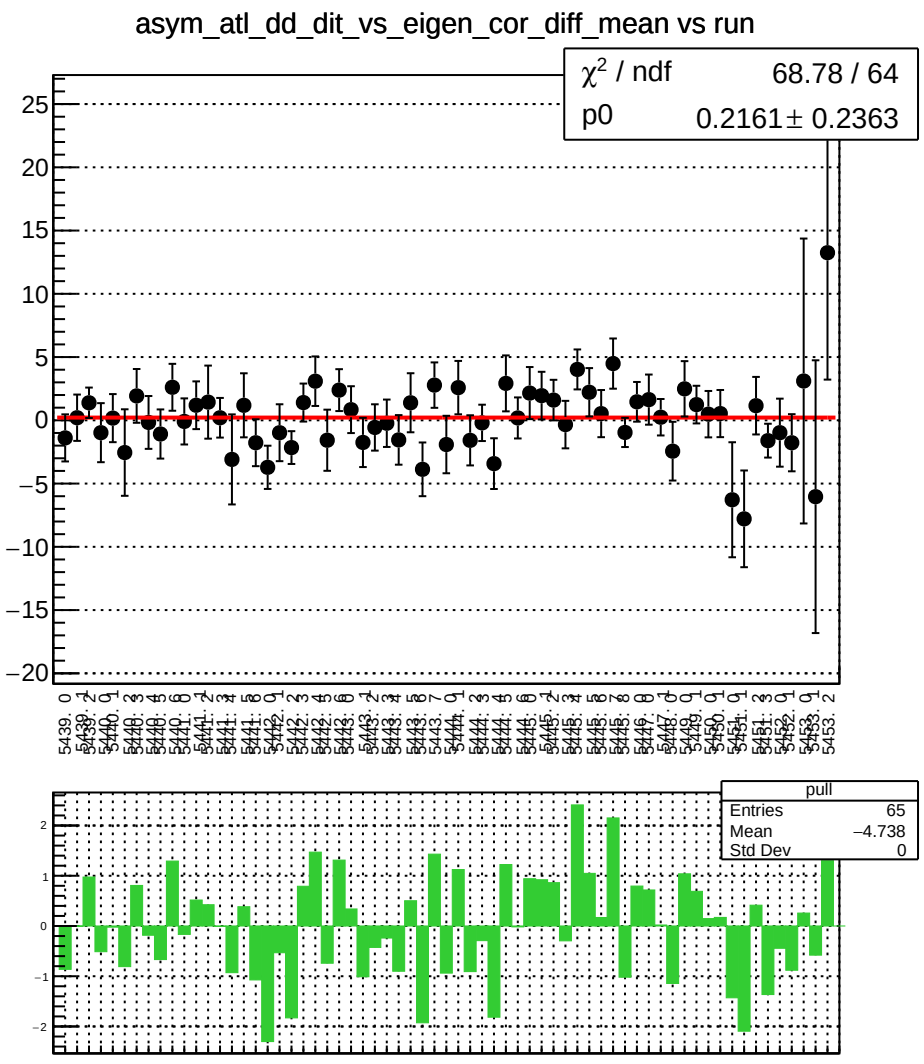

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.54 / 64
p0 9.343e−14 ± 1.526e−13
pull
Entries 65
Mean −31.03
Std Dev 0

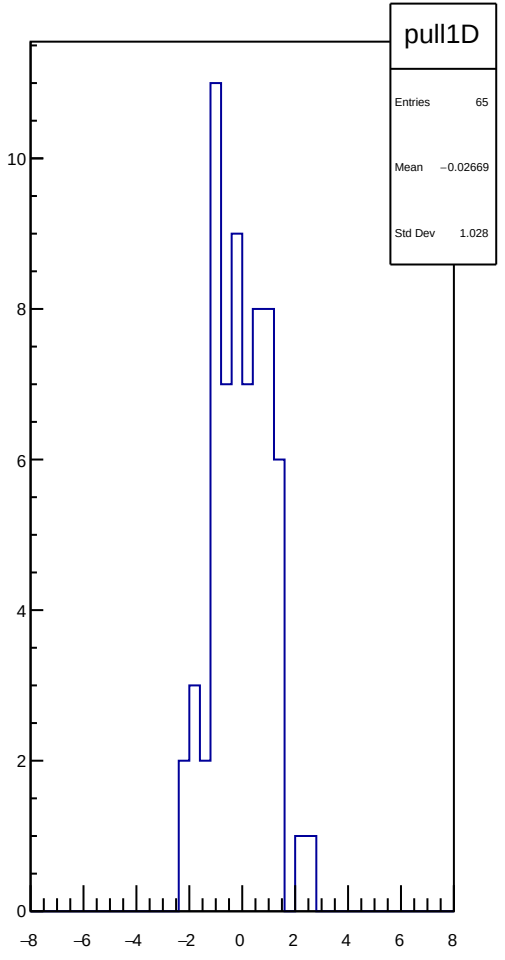

pull1D
Entries 65
Mean 0.03568
Std Dev 0.9402

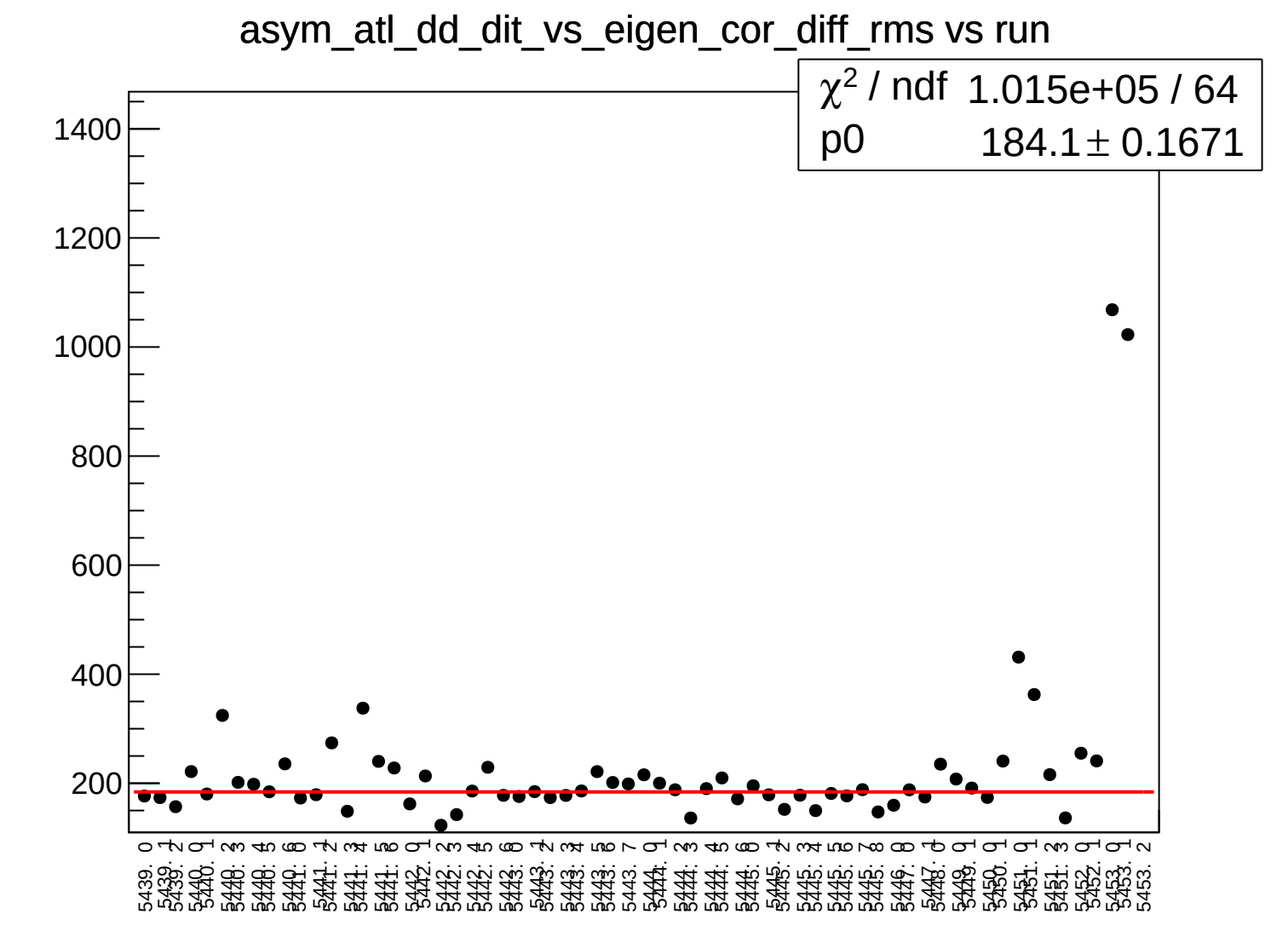

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.574e+05 / 64
p0 8.755e−11 ± 1.079e−13
70
60
50
40
30
20
10
0

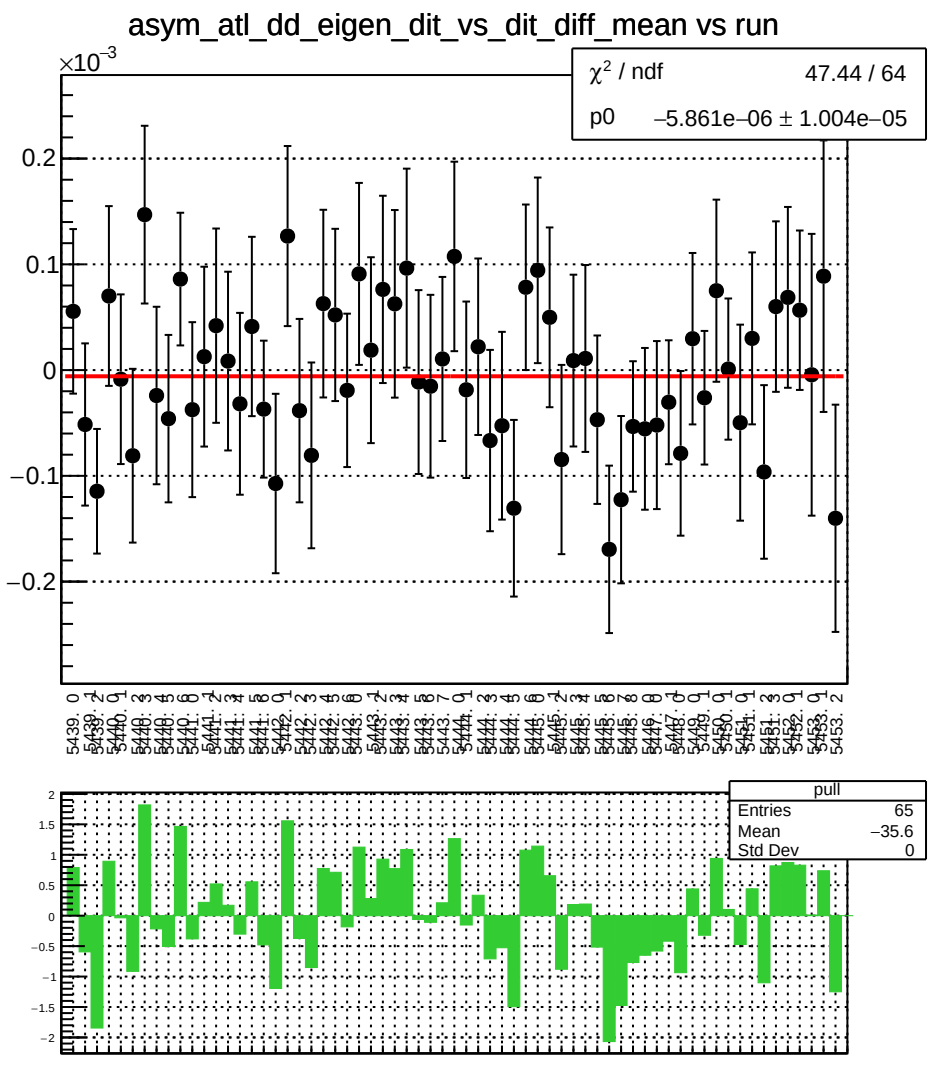

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.78 / 64
p0 0.2161 ± 0.2363
pull
Entries 65
Mean −4.738
Std Dev 0
pull1D
Entries 65
Mean −0.02669
Std Dev 1.028

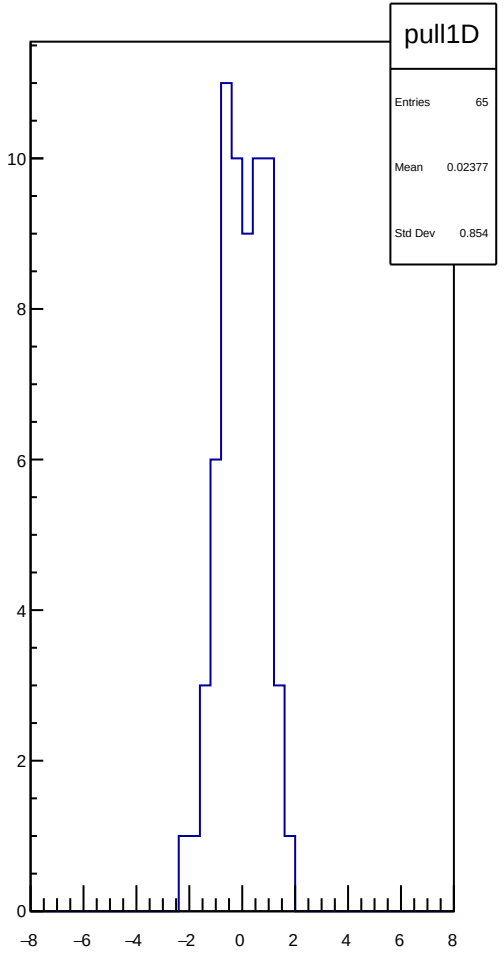

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 64
p0 184.1 ± 0.1671
1400
1200
1000
800
600
400
200

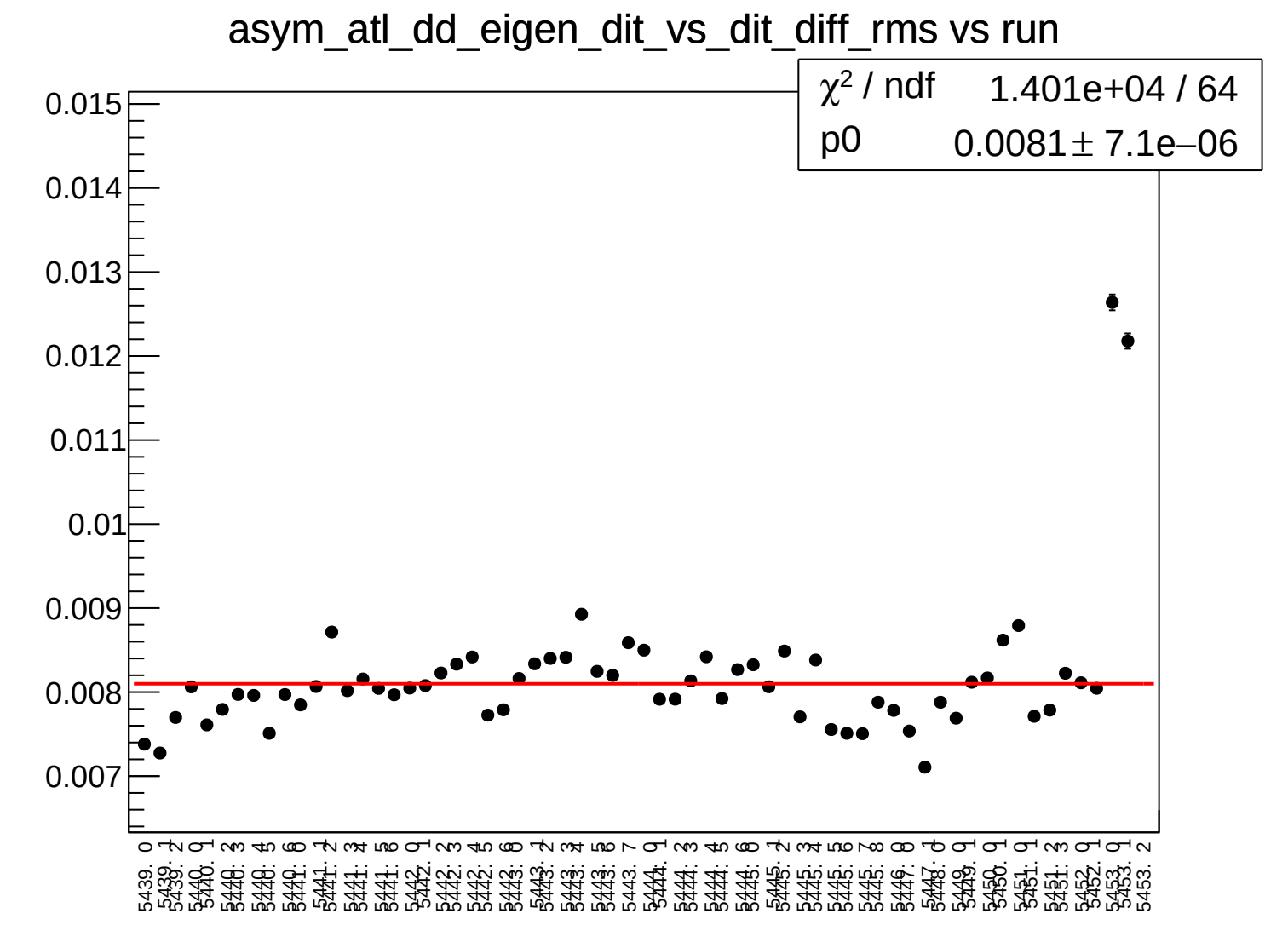

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.78 / 64
p0 0.2161 ± 0.2363
pull
Entries 65
Mean −4.738
Std Dev 0

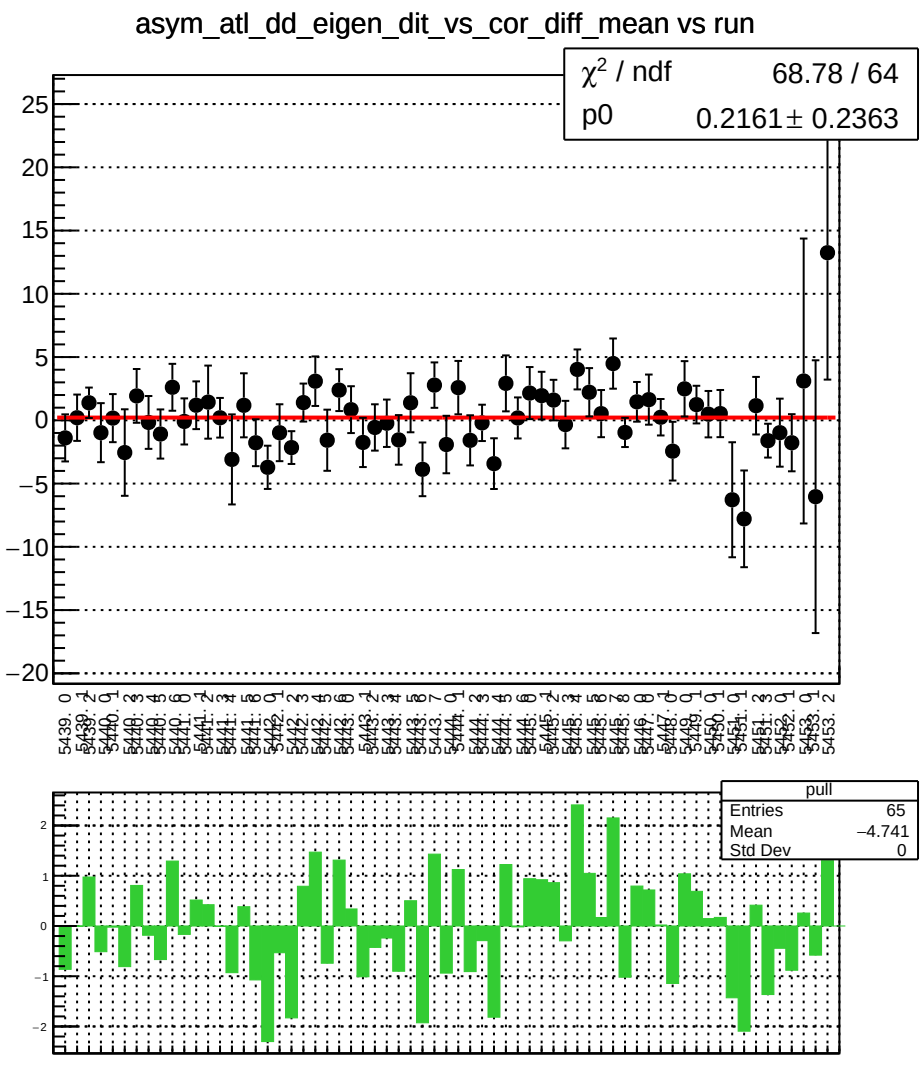

pull1D
Entries 65
Mean −0.02669
Std Dev 1.028

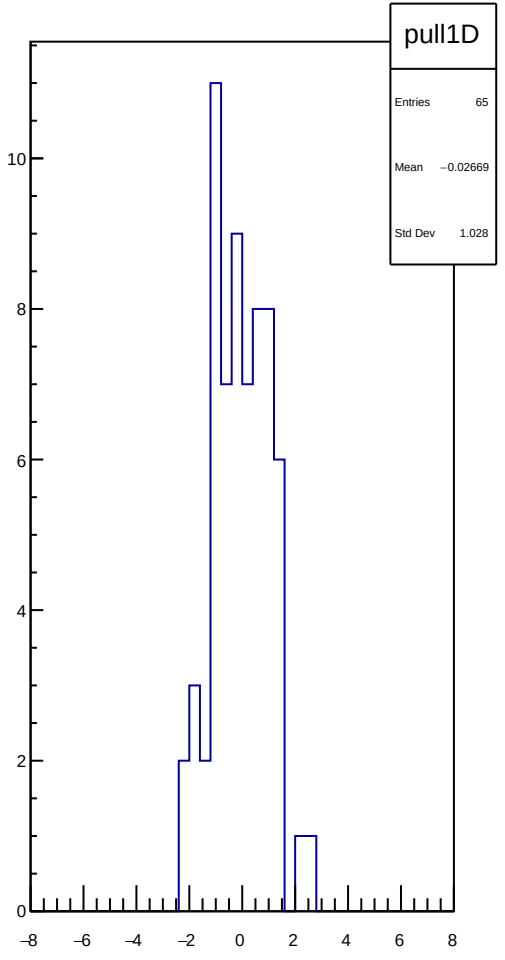

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 64
p0 184.1 ± 0.1671
1400
1200
1000
800
600
400
200

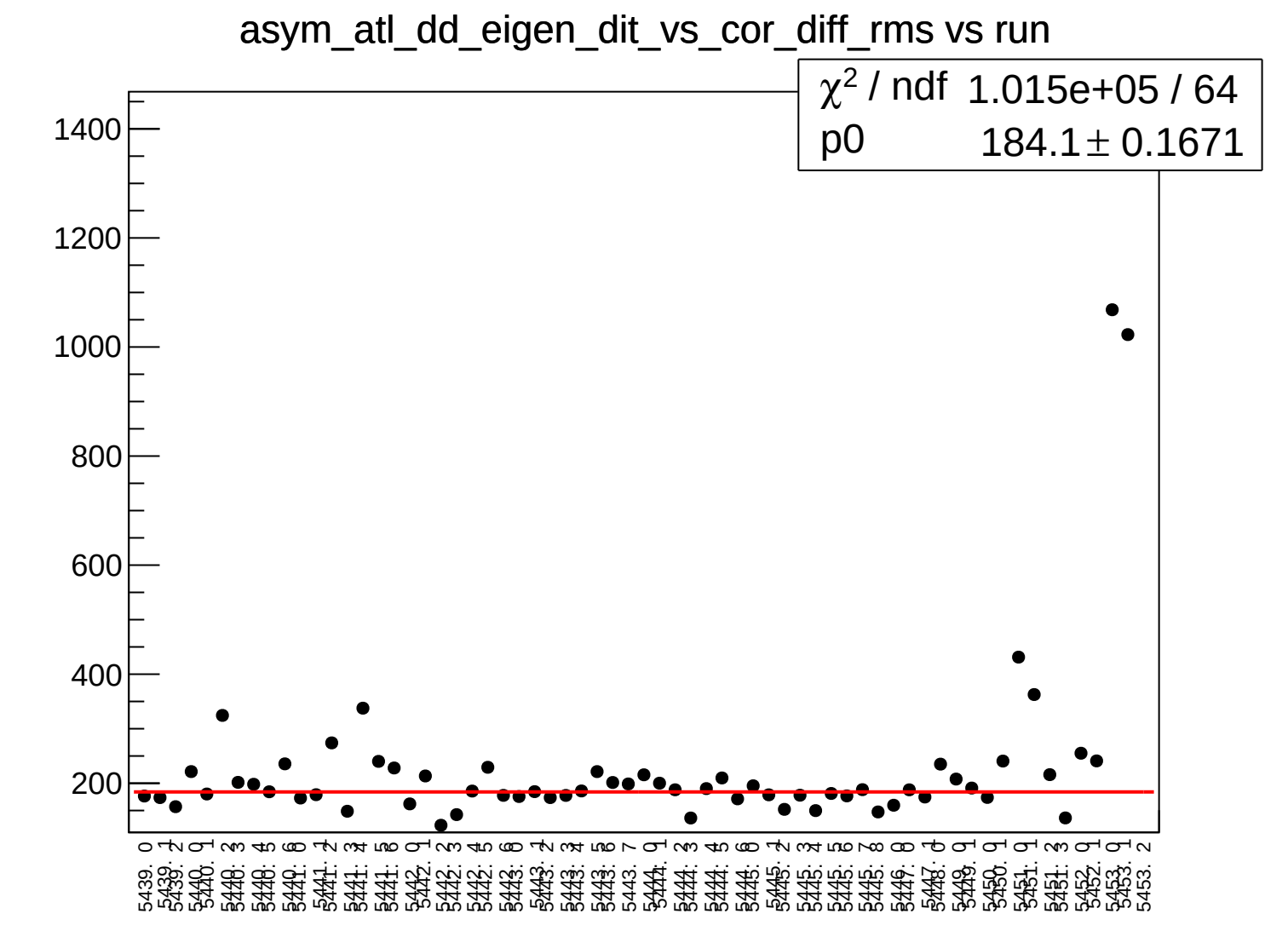

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.44 / 64
p0 −5.861e−06 ± 1.004e−05
0.2
0.1
0
−0.1
−0.2
pull
Entries 65
Mean −35.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

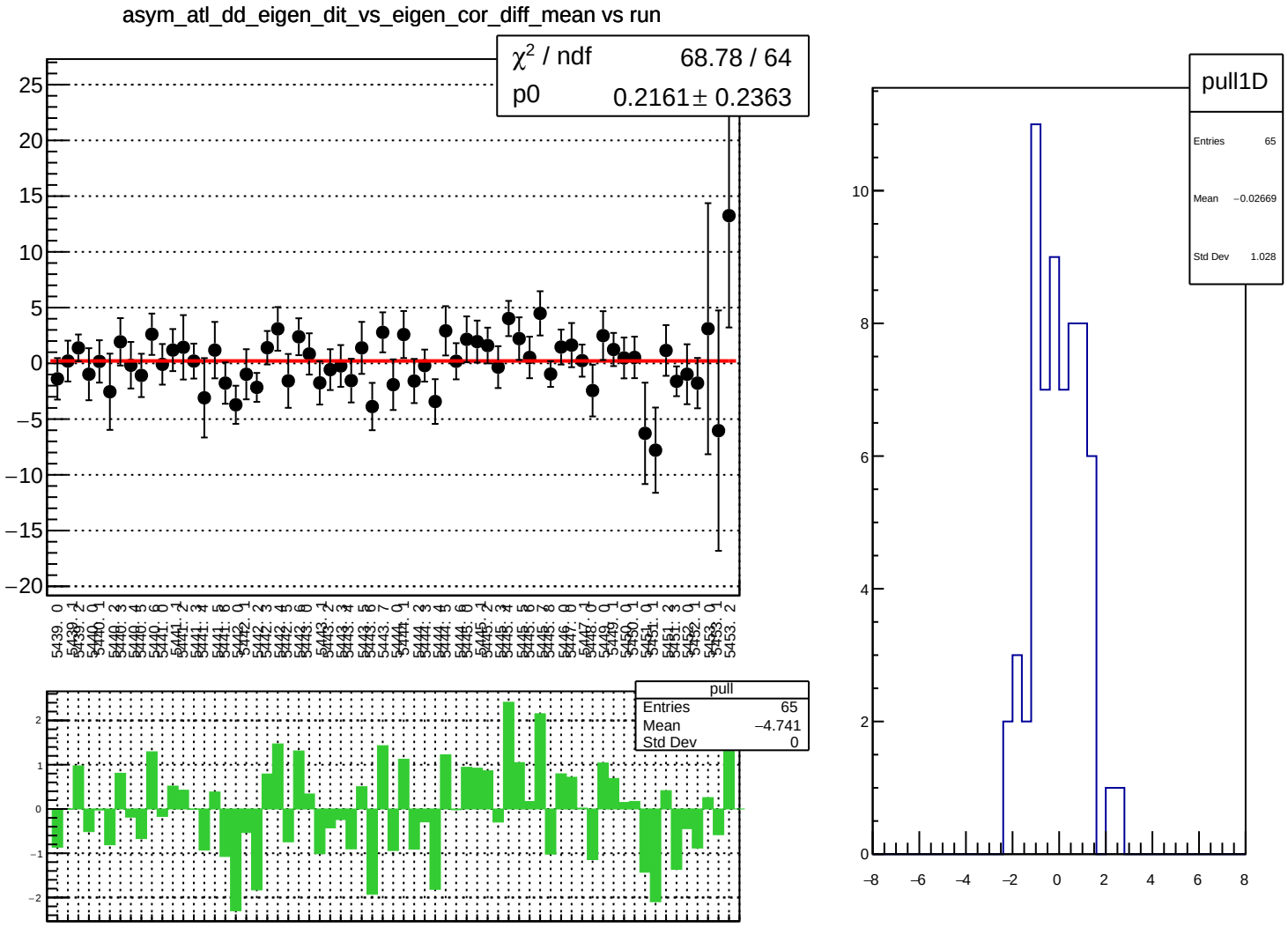

pull1D
Entries 65
Mean 0.02377
Std Dev 0.854
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

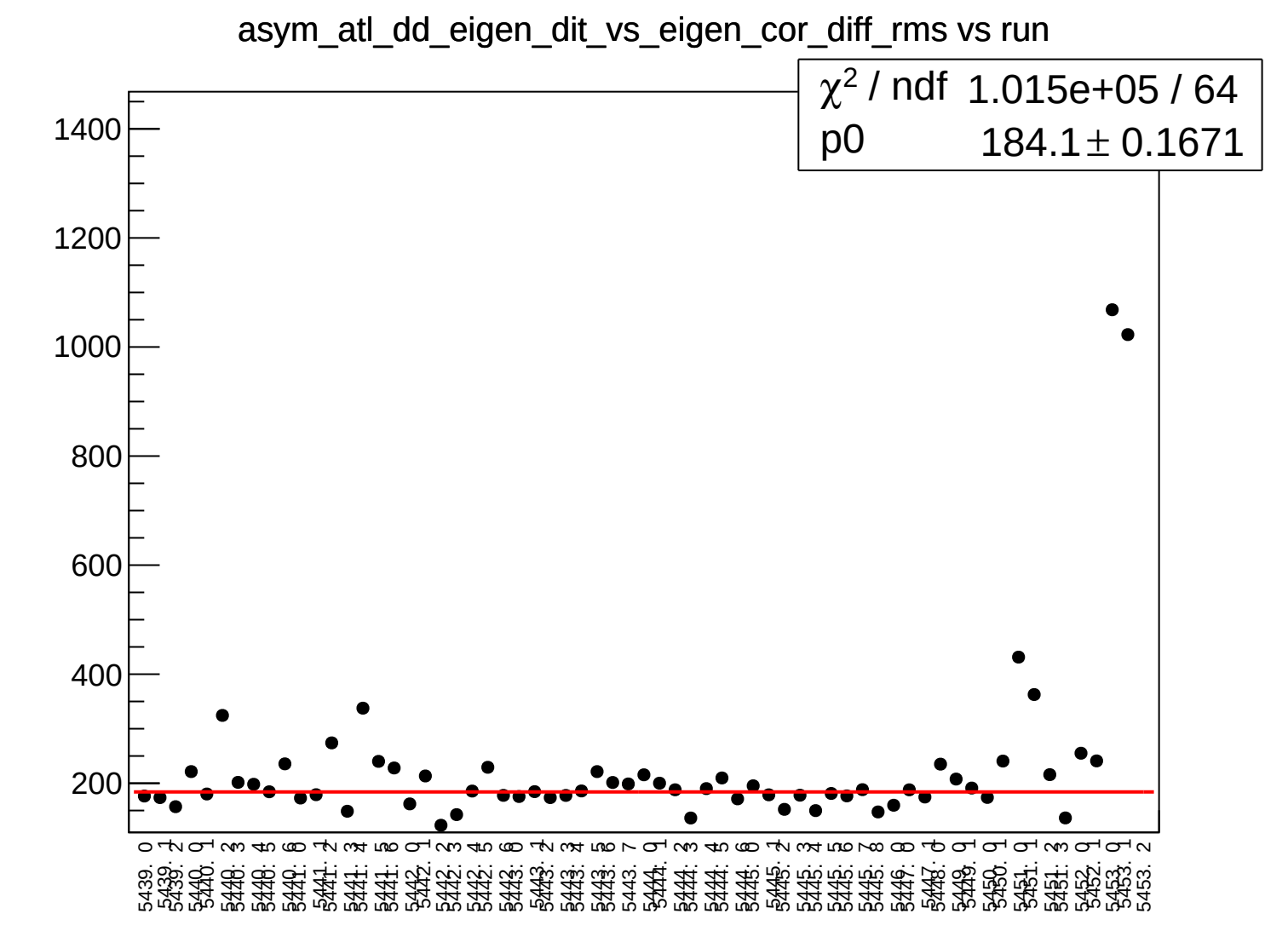

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.401e+04 / 64
p0 0.0081 ± 7.1e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

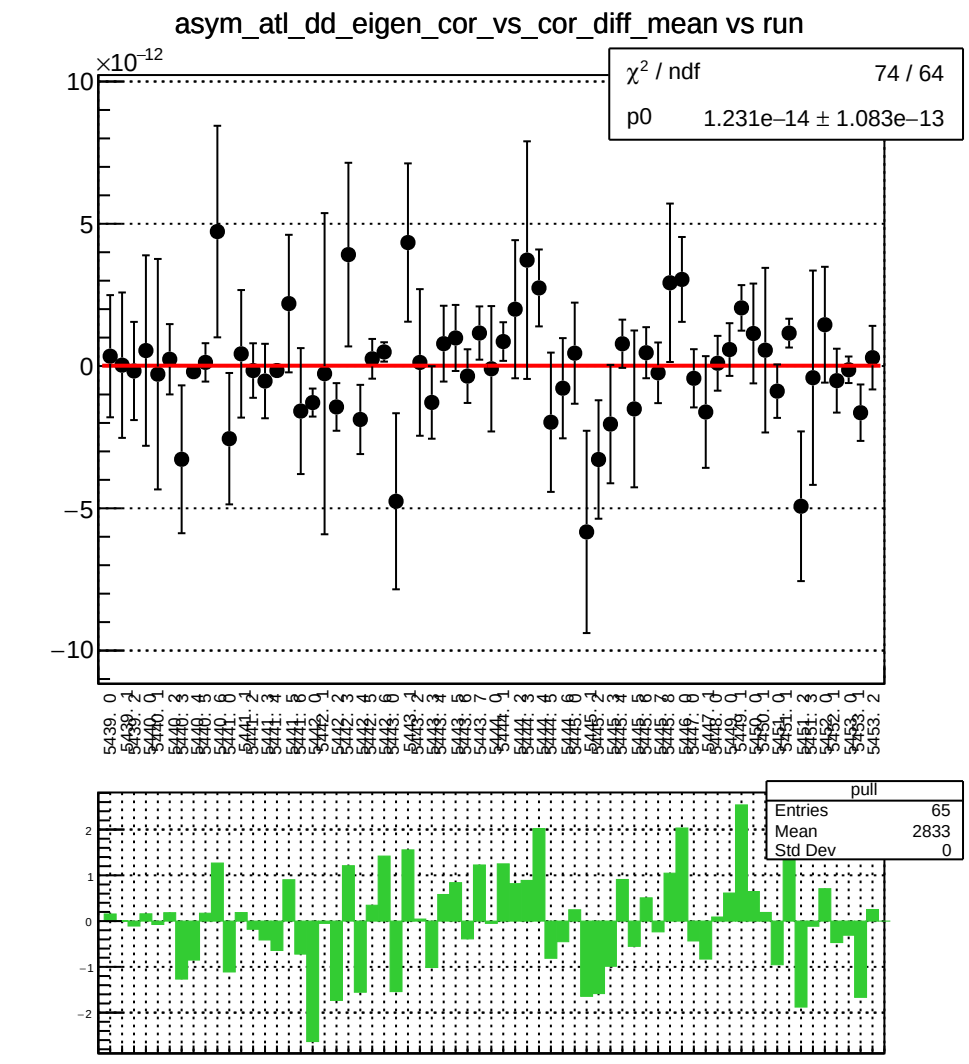

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.78 / 64
p0 0.2161 ± 0.2363
pull
Entries 65
Mean −4.741
Std Dev 0

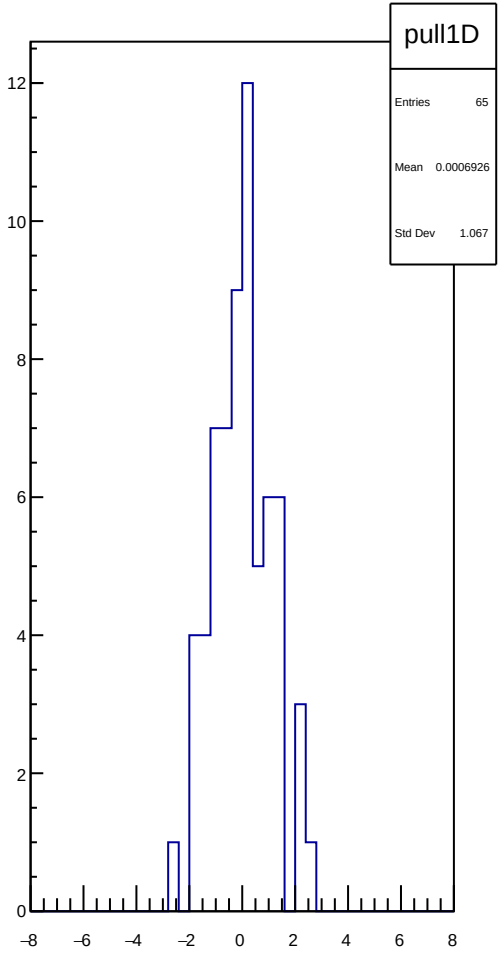

pull1D
Entries 65
Mean −0.02669
Std Dev 1.028

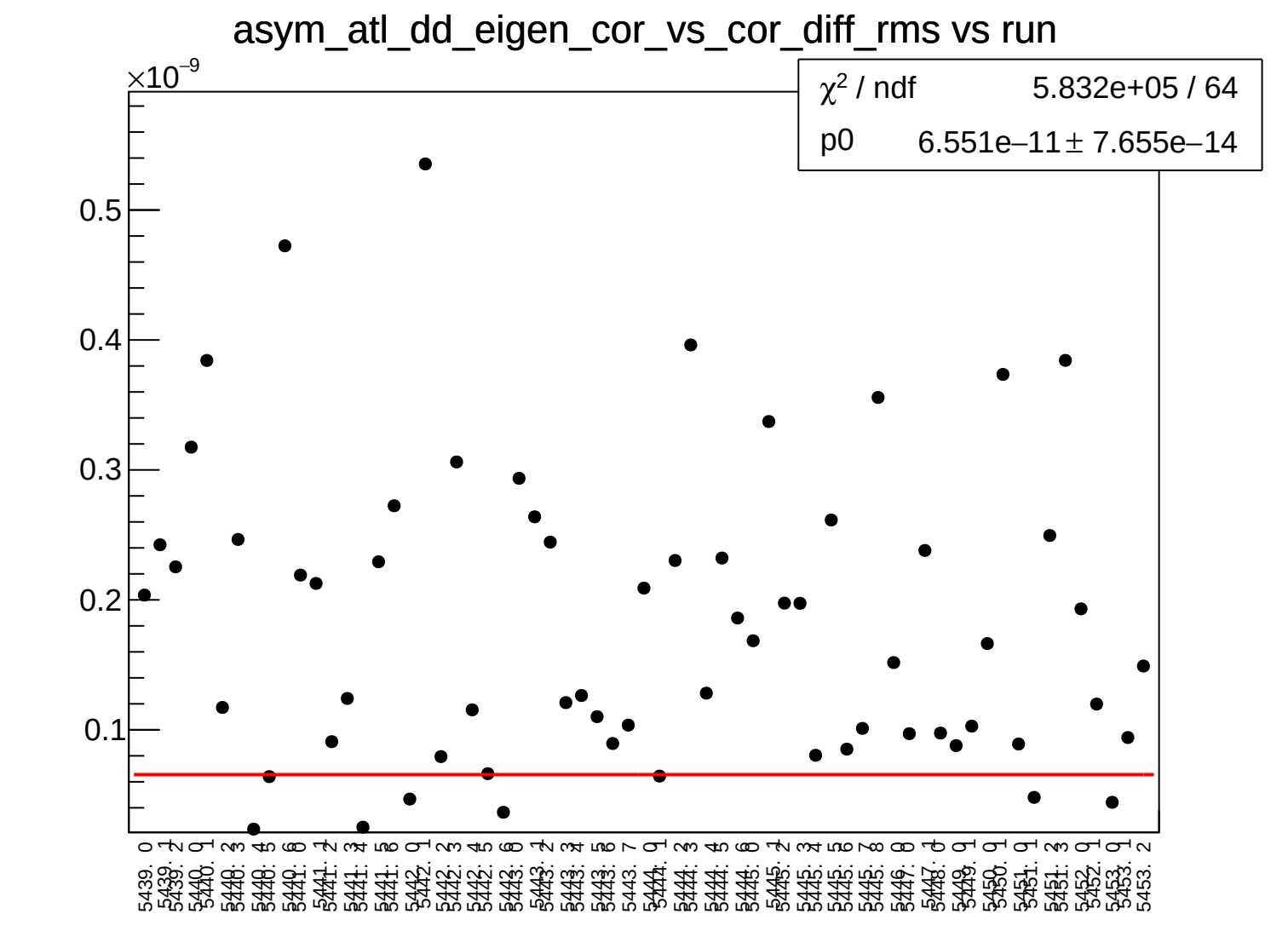

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 64
p0 184.1 ± 0.1671
1400
1200
1000
800
600
400
200

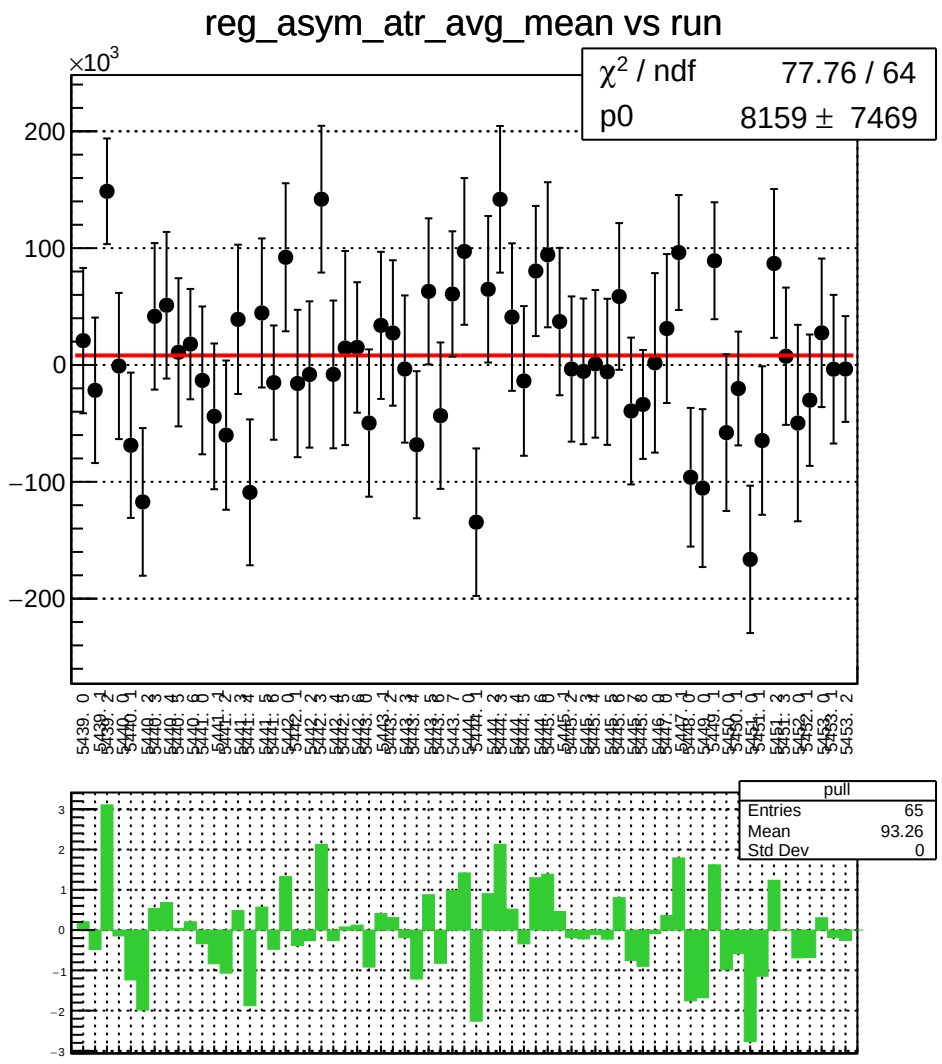

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.78 / 64
p0 0.2161 ± 0.2363
pull
Entries 65
Mean −4.741
Std Dev 0
pull1D
Entries 65
Mean −0.02669
Std Dev 1.028

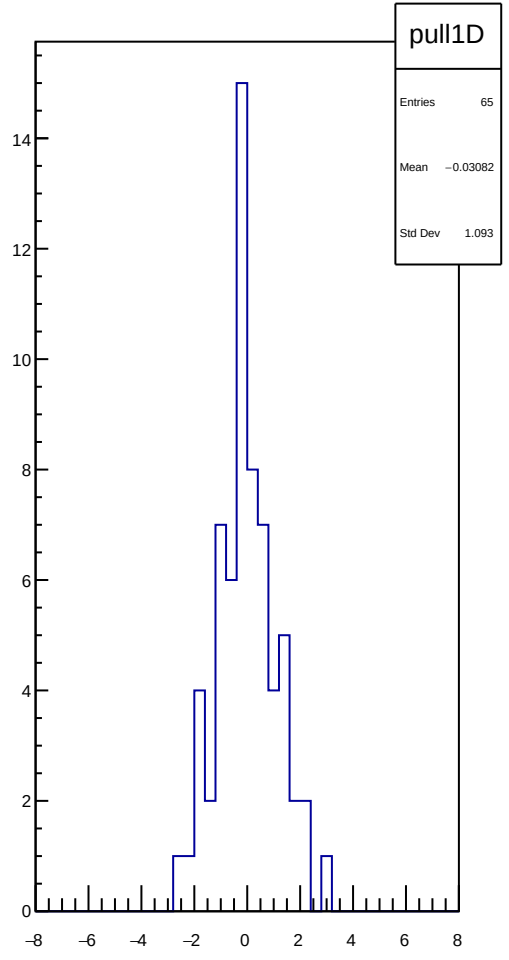

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 64
p0 184.1 ± 0.1671
1400
1200
1000
800
600
400
200

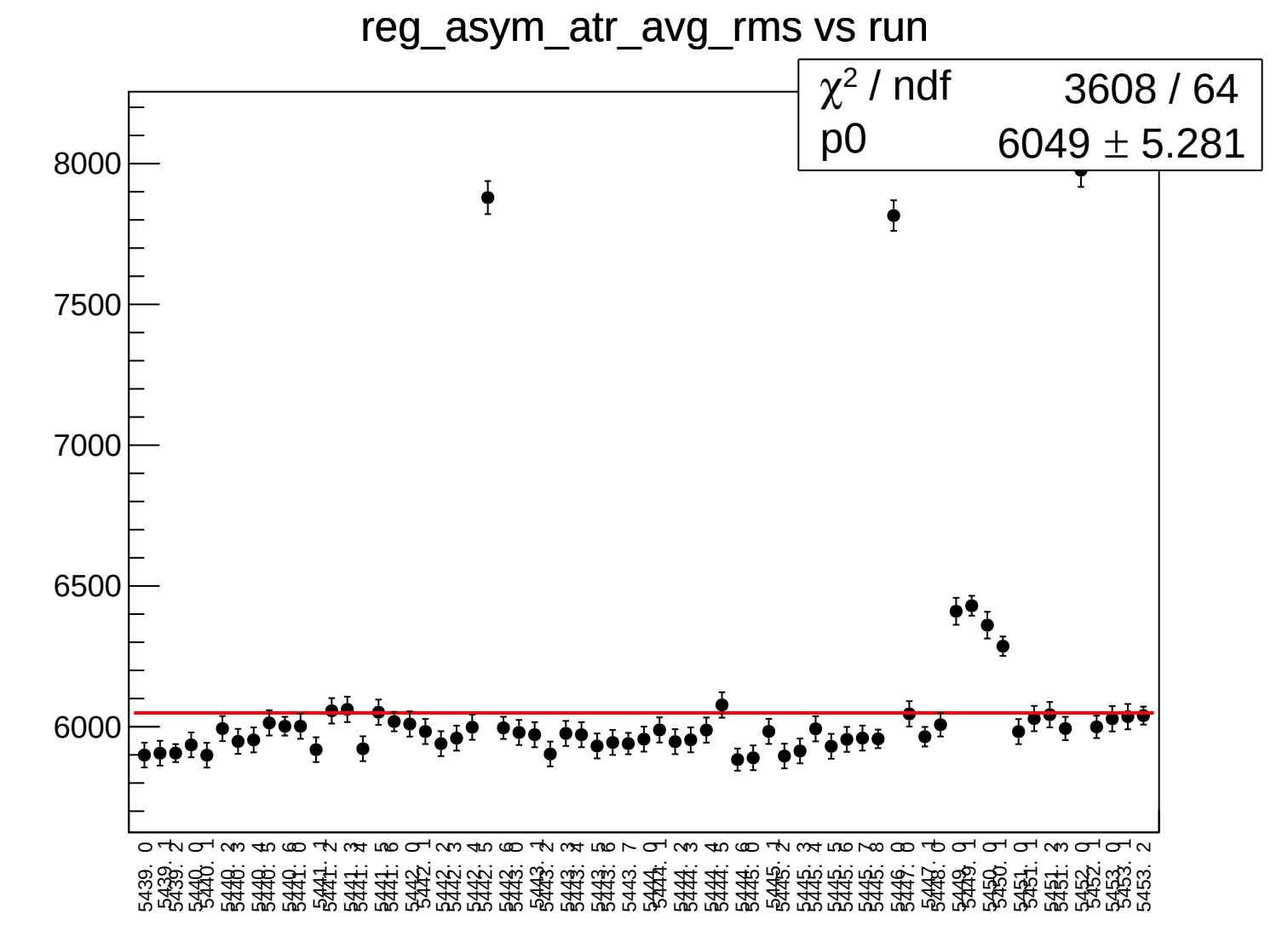

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74 / 64
p0 1.231e−14 ± 1.083e−13
pull
Entries 65
Mean 2833
Std Dev 0

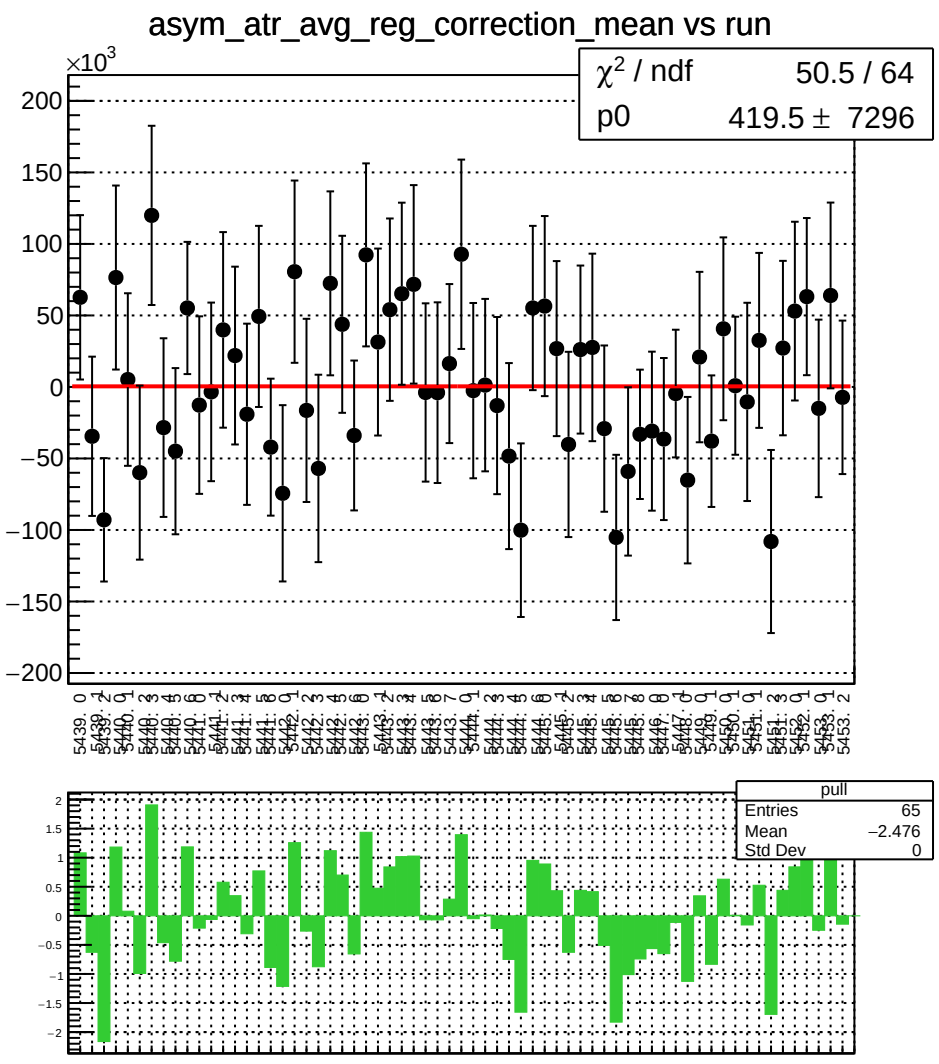

pull1D
Entries 65
Mean 0.0006926
Std Dev 1.067

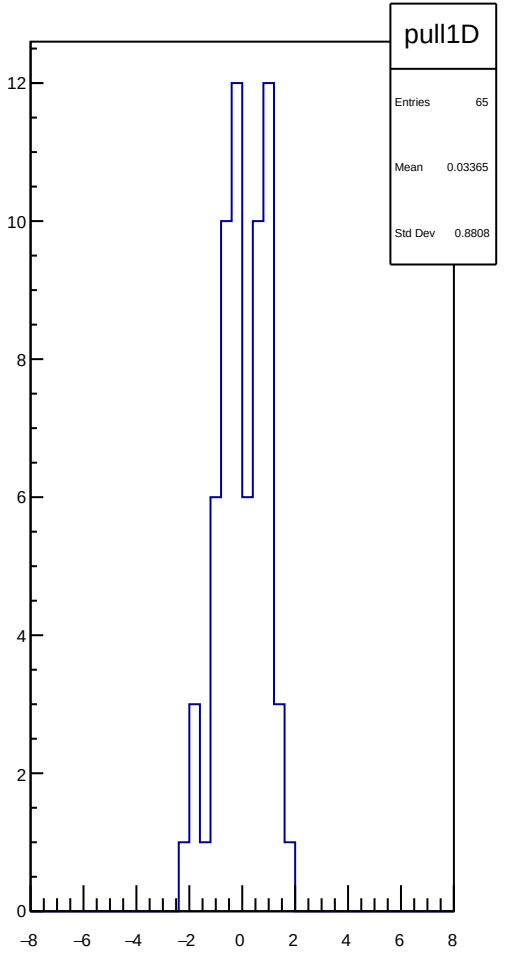

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.832e+05 / 64
p0 6.551e−11 ± 7.655e−14
0.5
0.4
0.3
0.2
0.1

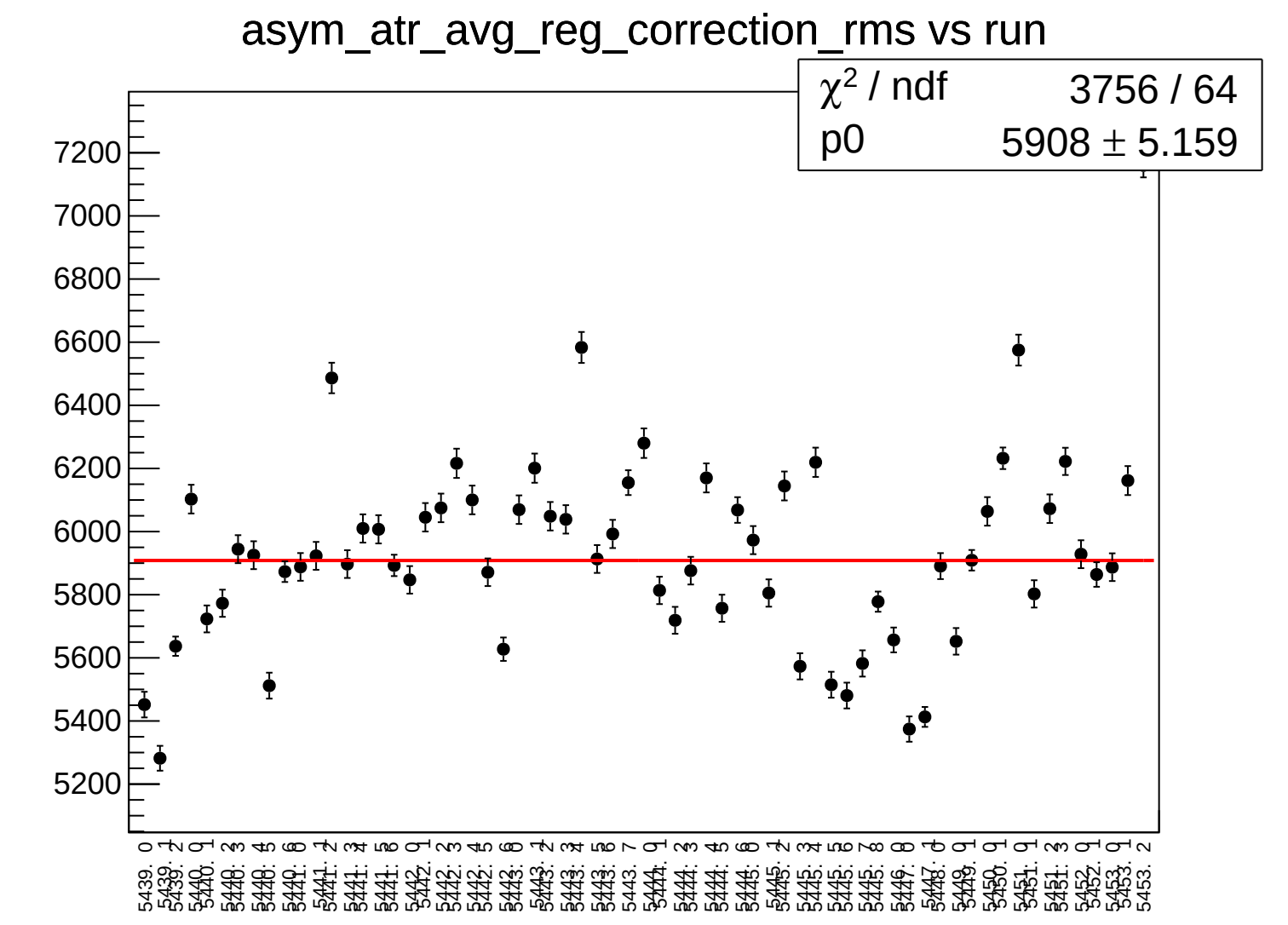

reg_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 77.76 / 64
p0 8159 ± 7469
200
100
0
−100
−200
pull
Entries 65
Mean 93.26
Std Dev 0
3
2
1
0
−1
−2
−3

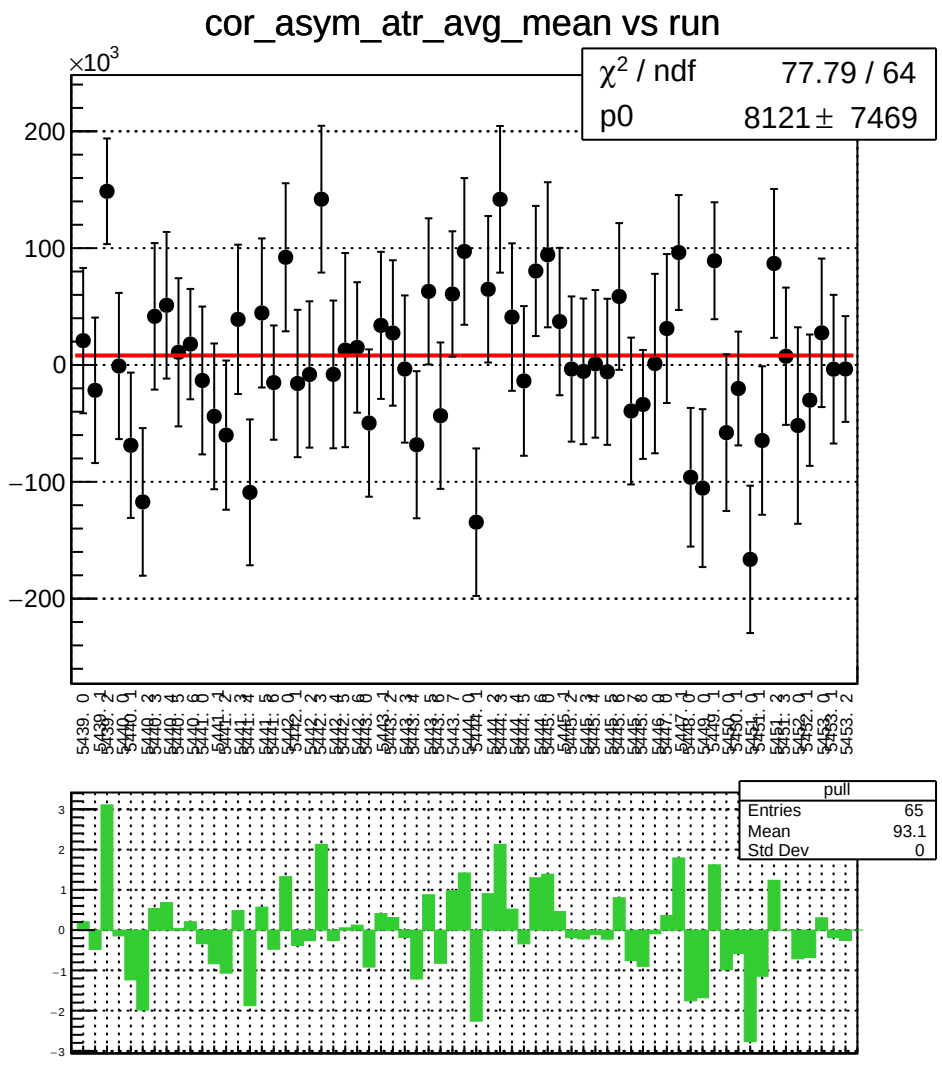

pull1D
Entries 65
Mean −0.03082
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

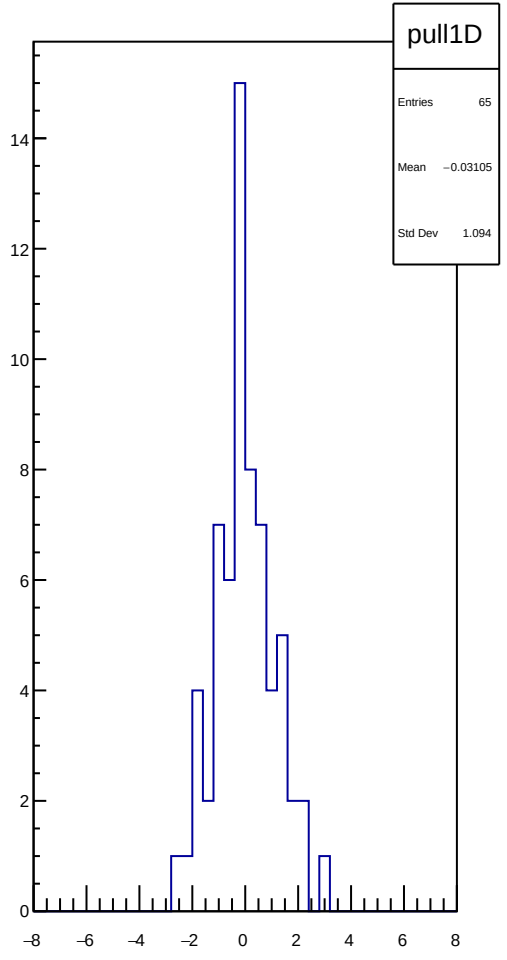

reg_asym_atr_avg_rms vs run
χ² / ndf 3608 / 64
p0 6049 ± 5.281
8000
7500
7000
6500
6000

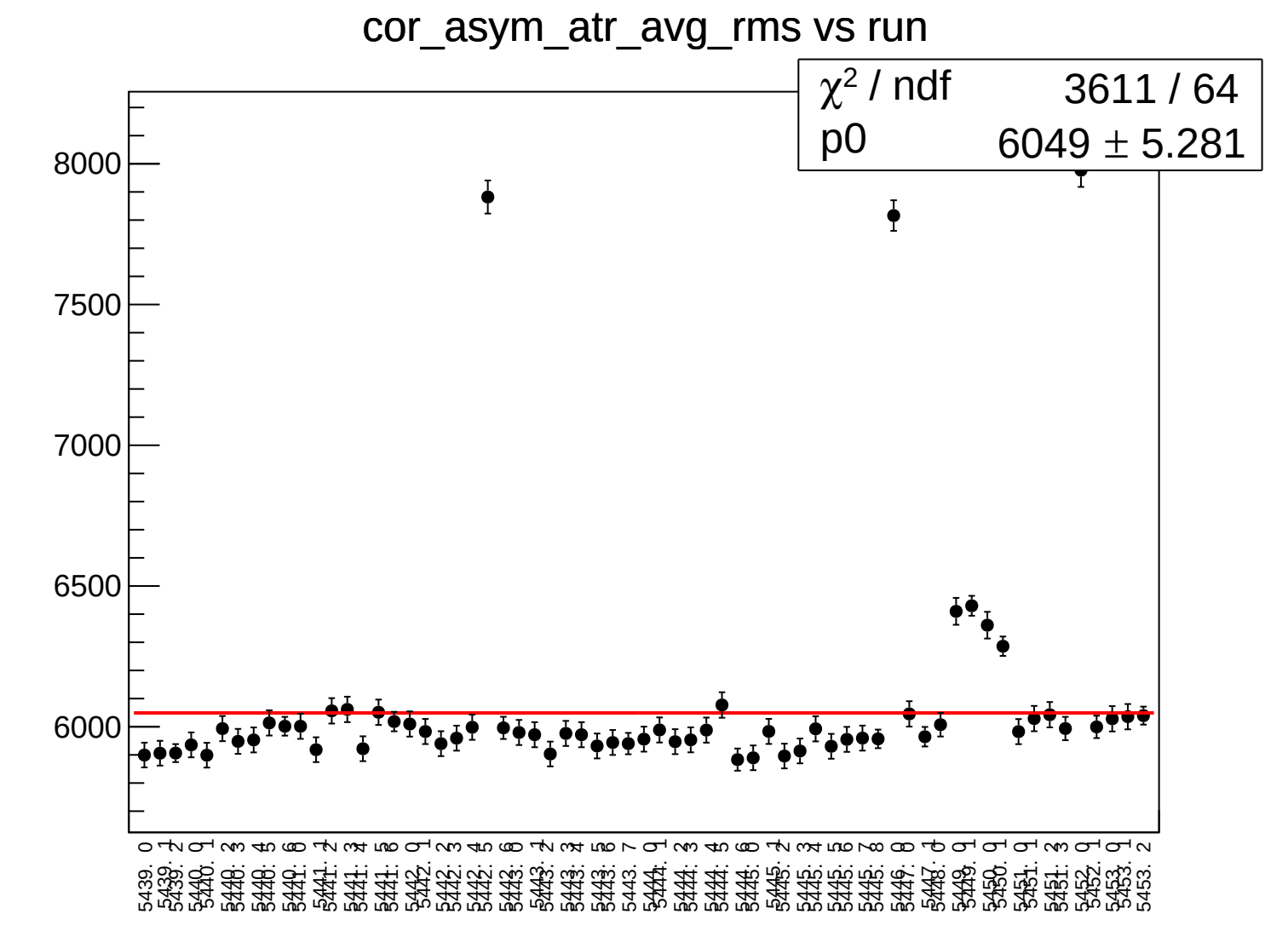

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 50.5 / 64
p0 419.5 ± 7296
pull
Entries 65
Mean −2.476
Std Dev 0

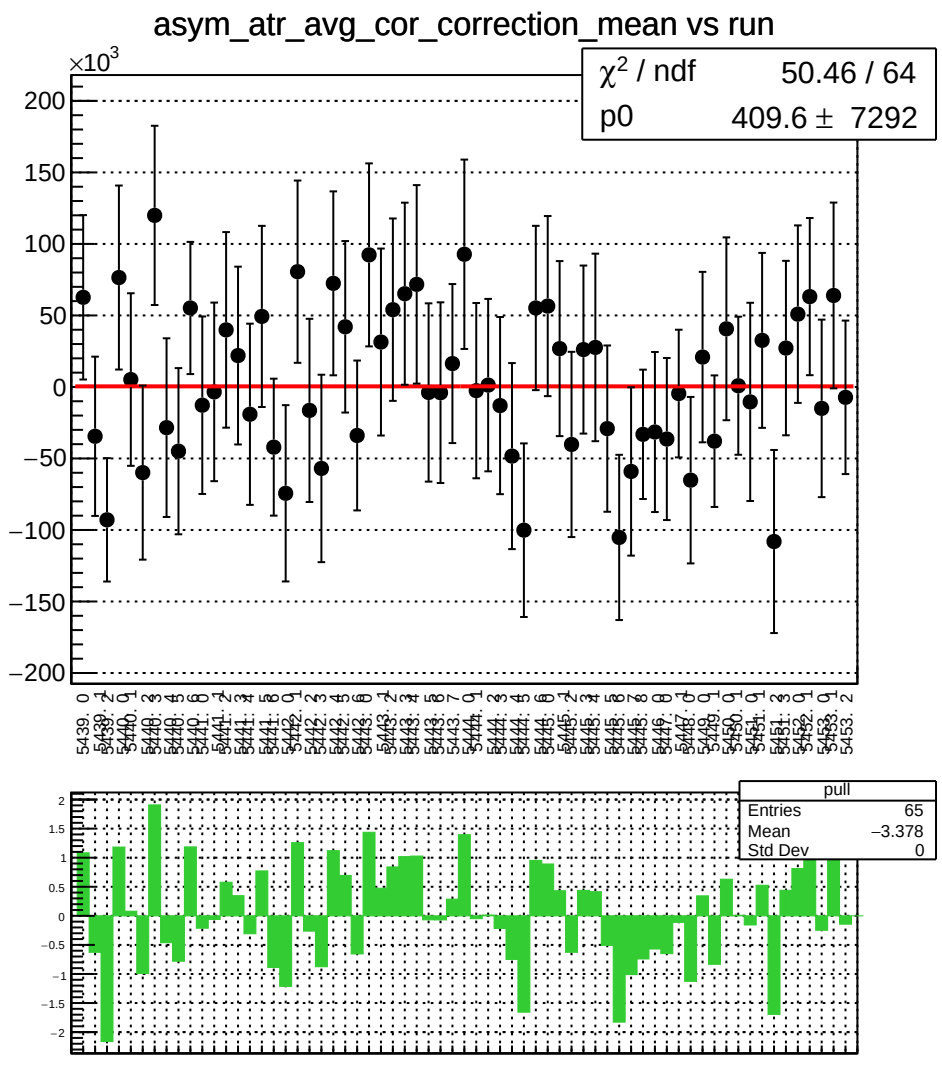

pull1D
Entries 65
Mean 0.03365
Std Dev 0.8808

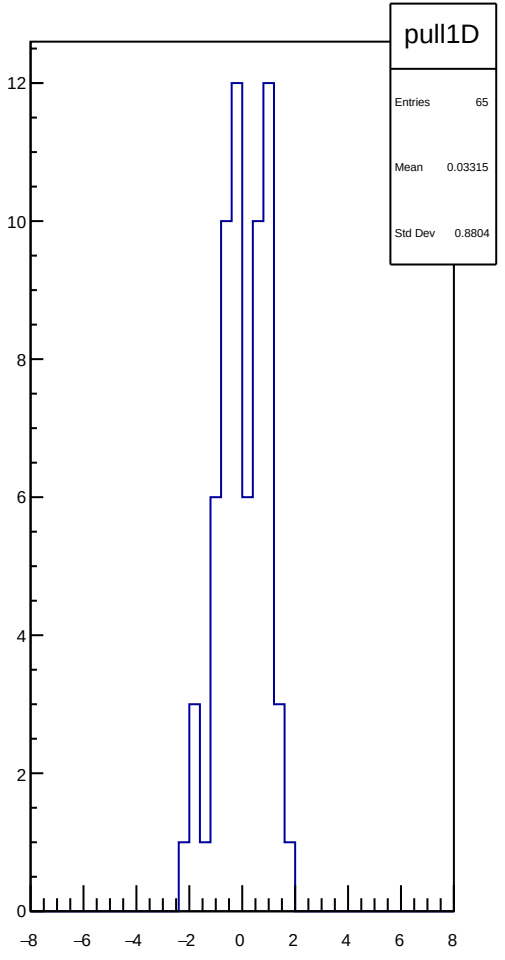

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 3756 / 64
p0 5908 ± 5.159
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

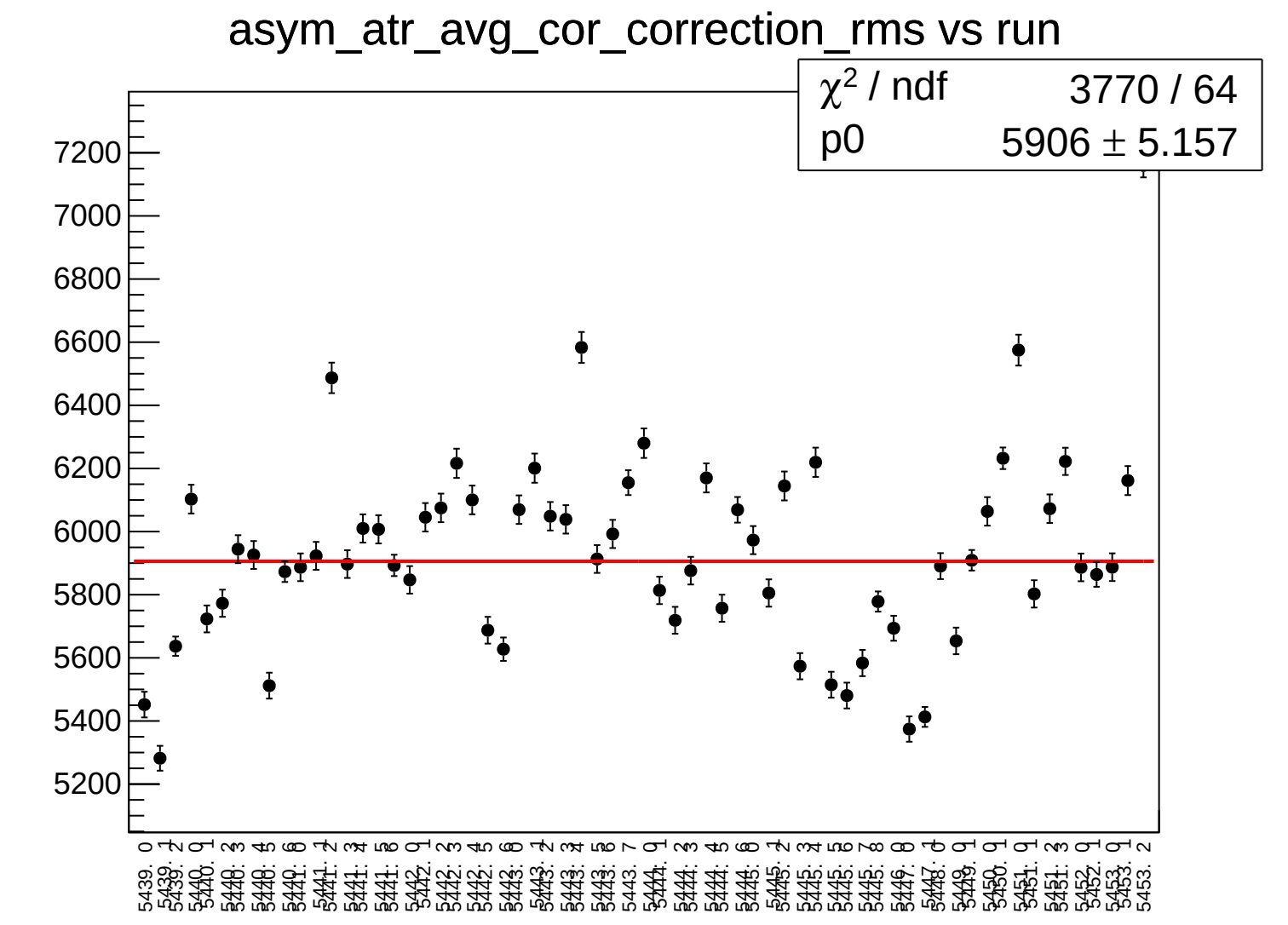

cor_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 77.79 / 64
p0 8121 ± 7469
200
100
0
−100
−200
pull
Entries 65
Mean 93.1
Std Dev 0
3
2
1
0
−1
−2
−3

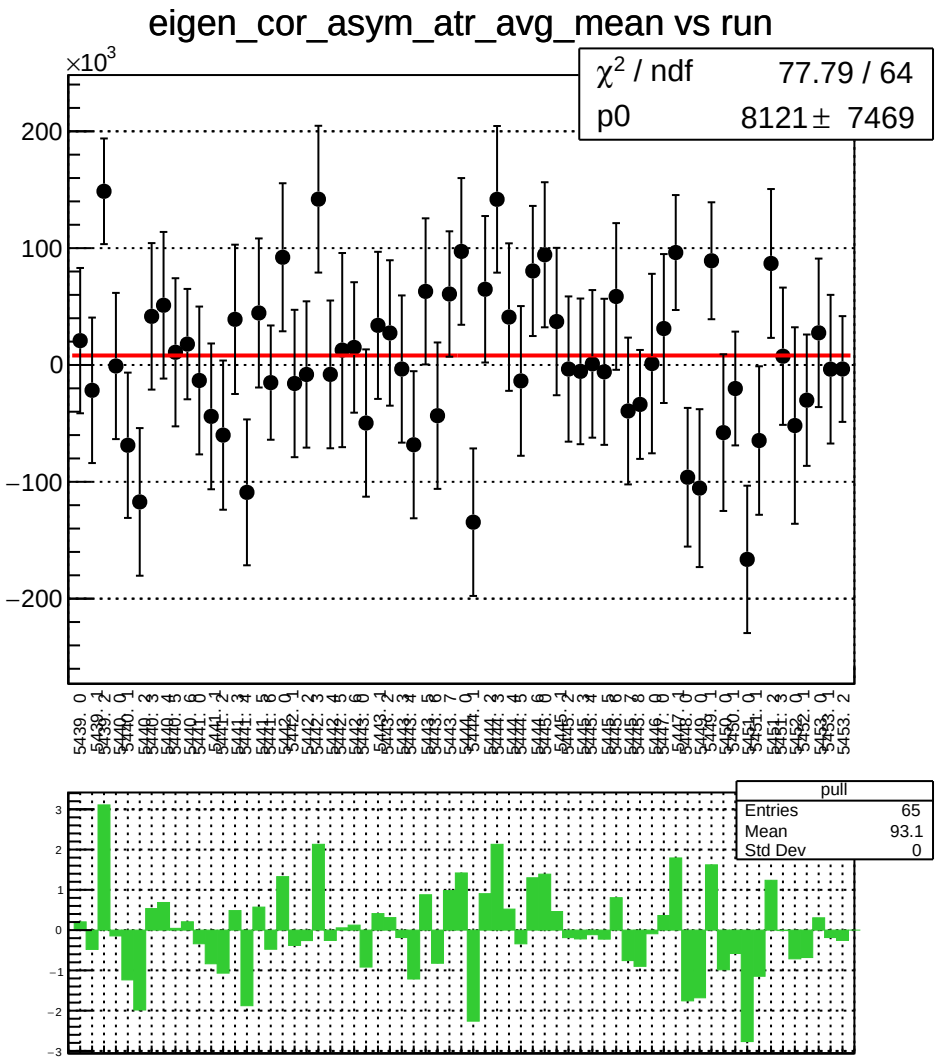

pull1D
Entries 65
Mean −0.03105
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

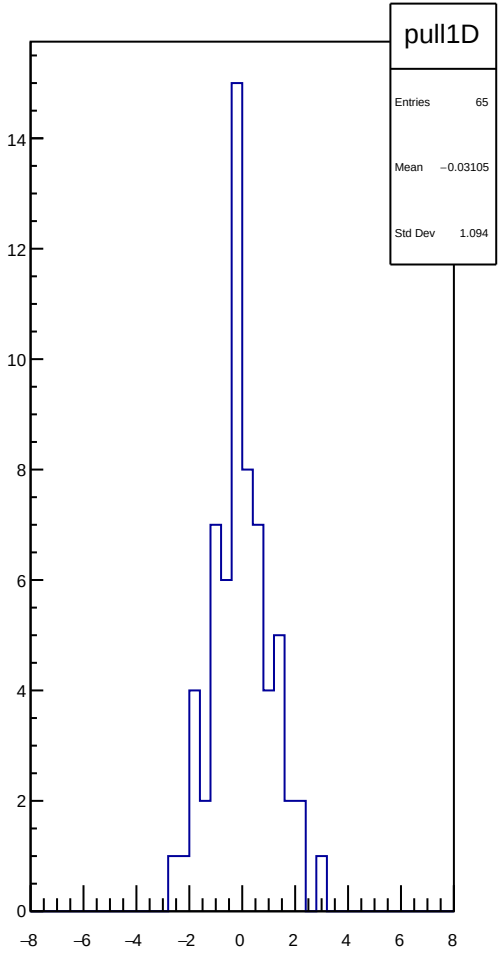

cor_asym_atr_avg_rms vs run
χ² / ndf 3611 / 64
p0 6049 ± 5.281
8000
7500
7000
6500
6000

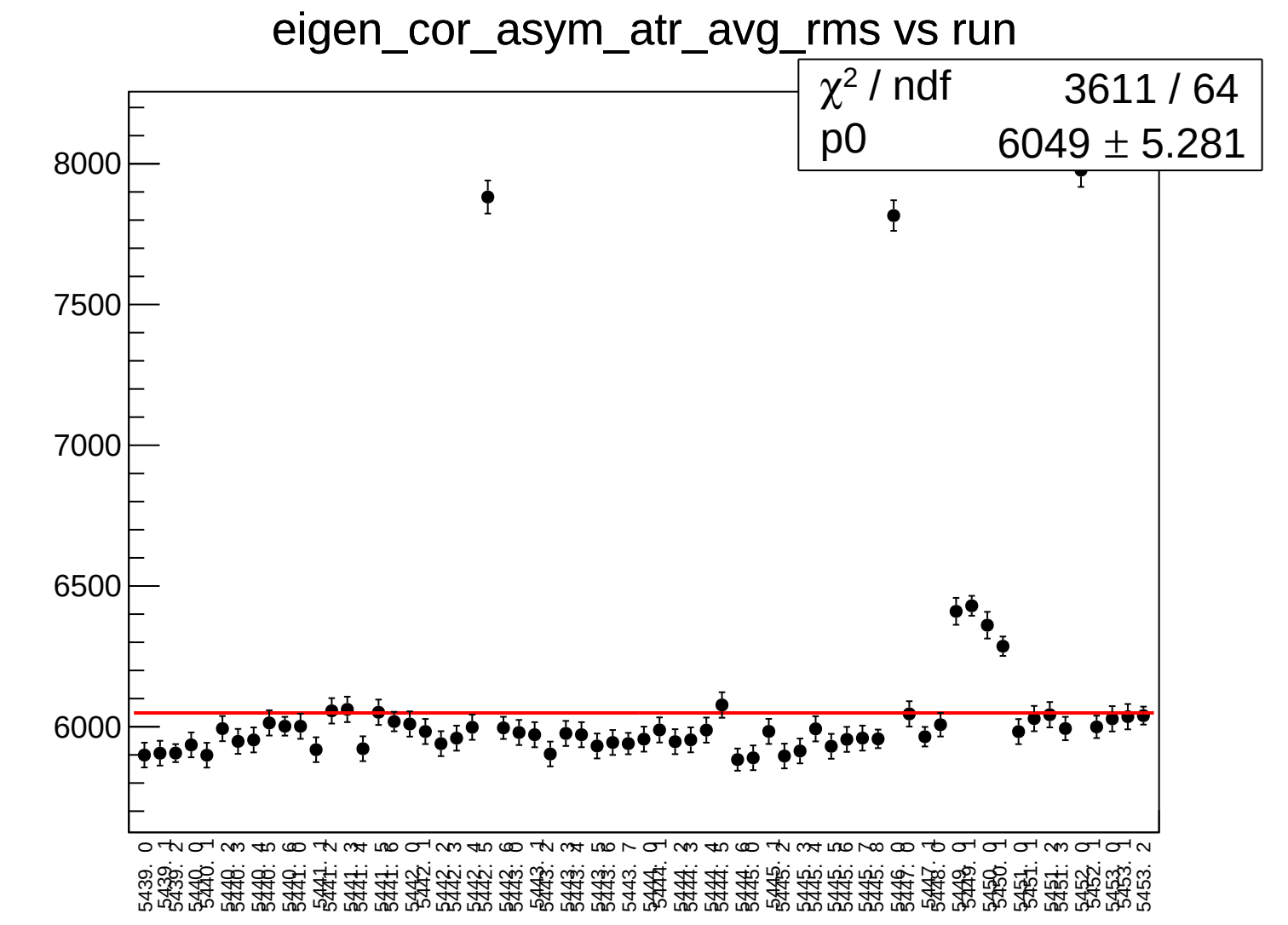

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 50.46 / 64
p0 409.6 ± 7292
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −3.378
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

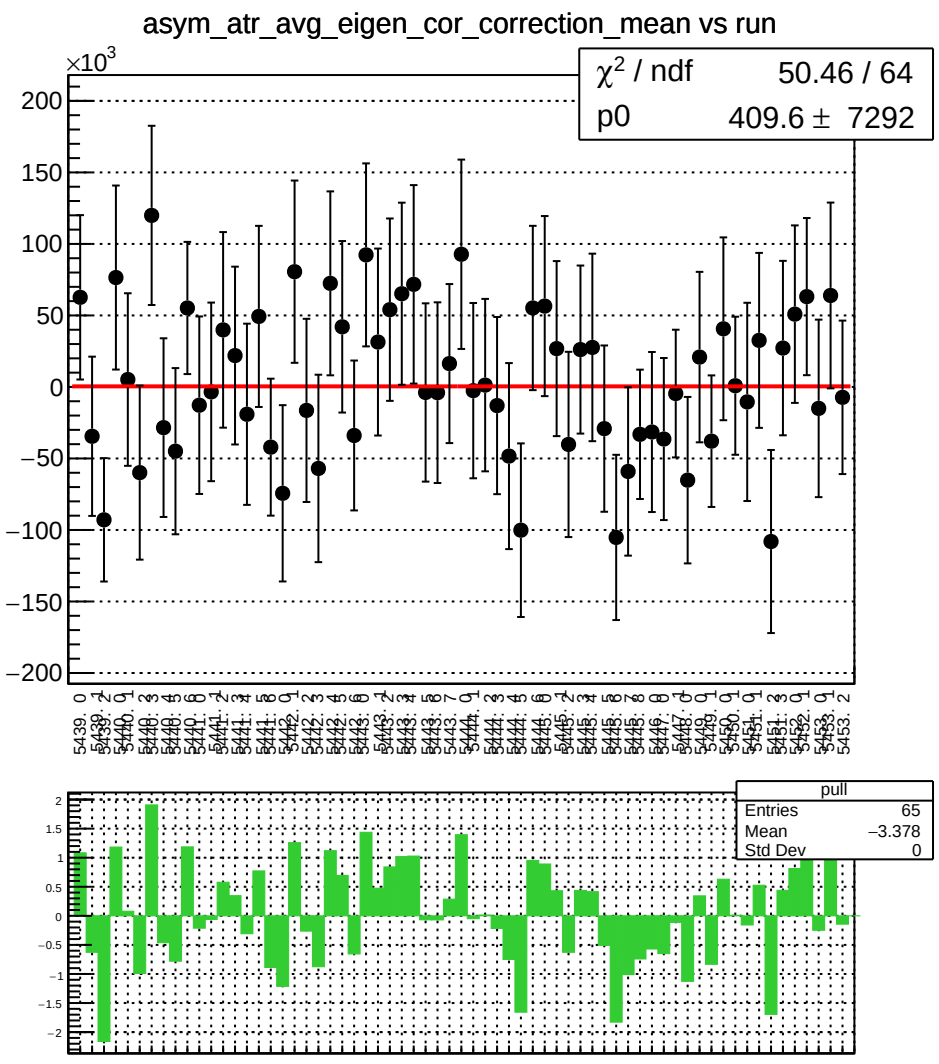

pull1D
Entries 65
Mean 0.03315
Std Dev 0.8804
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

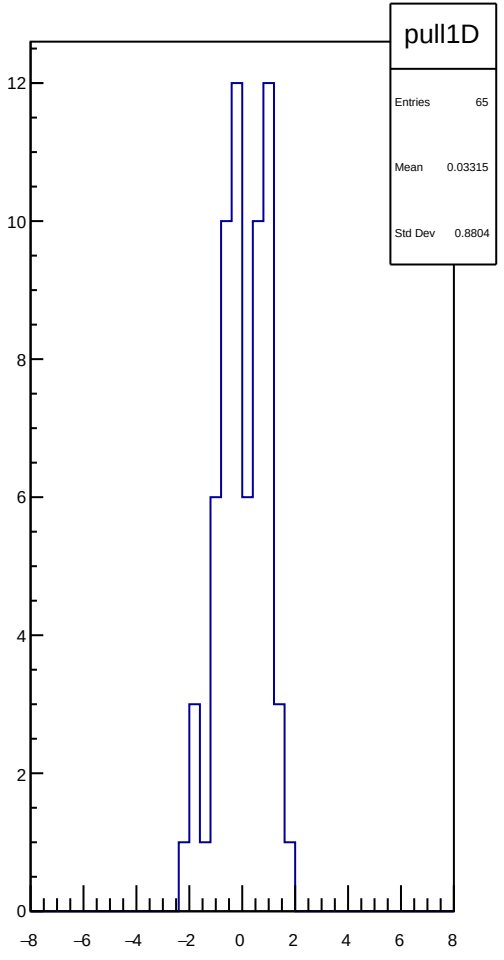

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 3770 / 64
p0 5906 ± 5.157
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

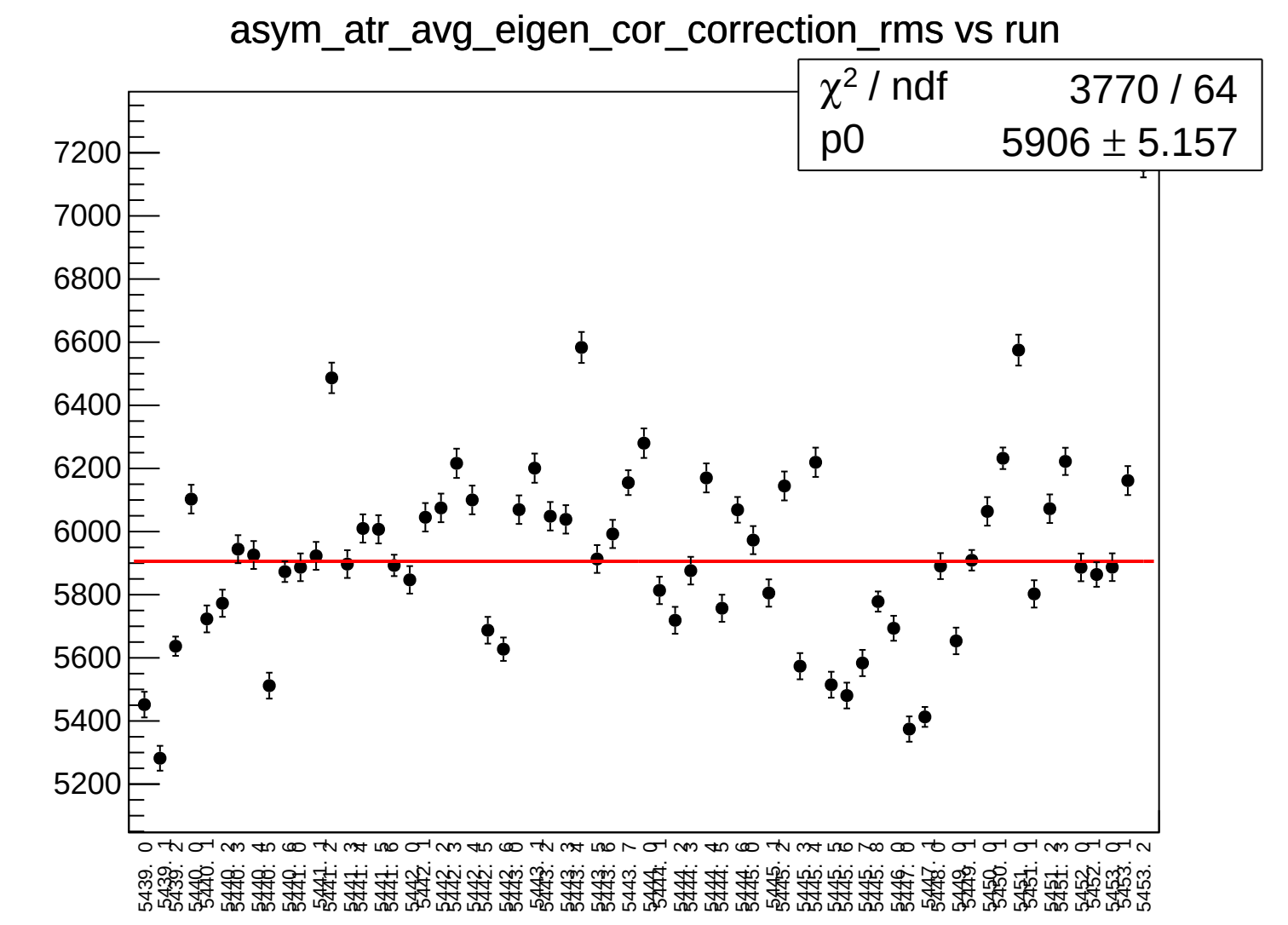

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 77.79 / 64
p0 8121 ± 7469
×10³
pull
Entries 65
Mean 93.1
Std Dev 0

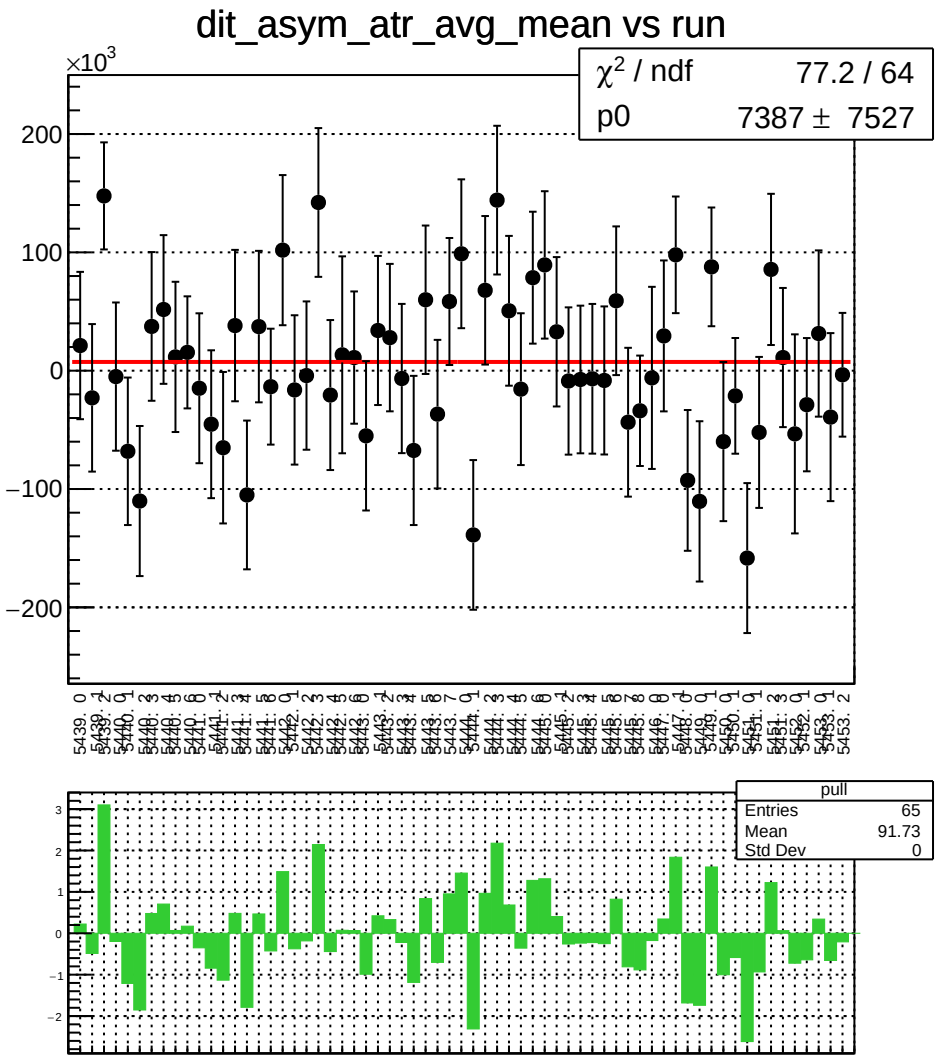

pull1D
Entries 65
Mean −0.03105
Std Dev 1.094

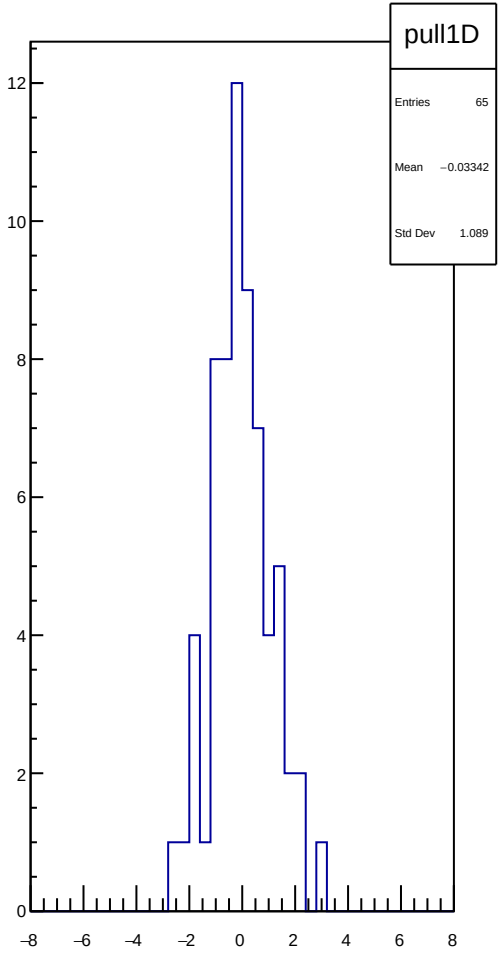

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 3611 / 64
p0 6049 ± 5.281
8000
7500
7000
6500
6000

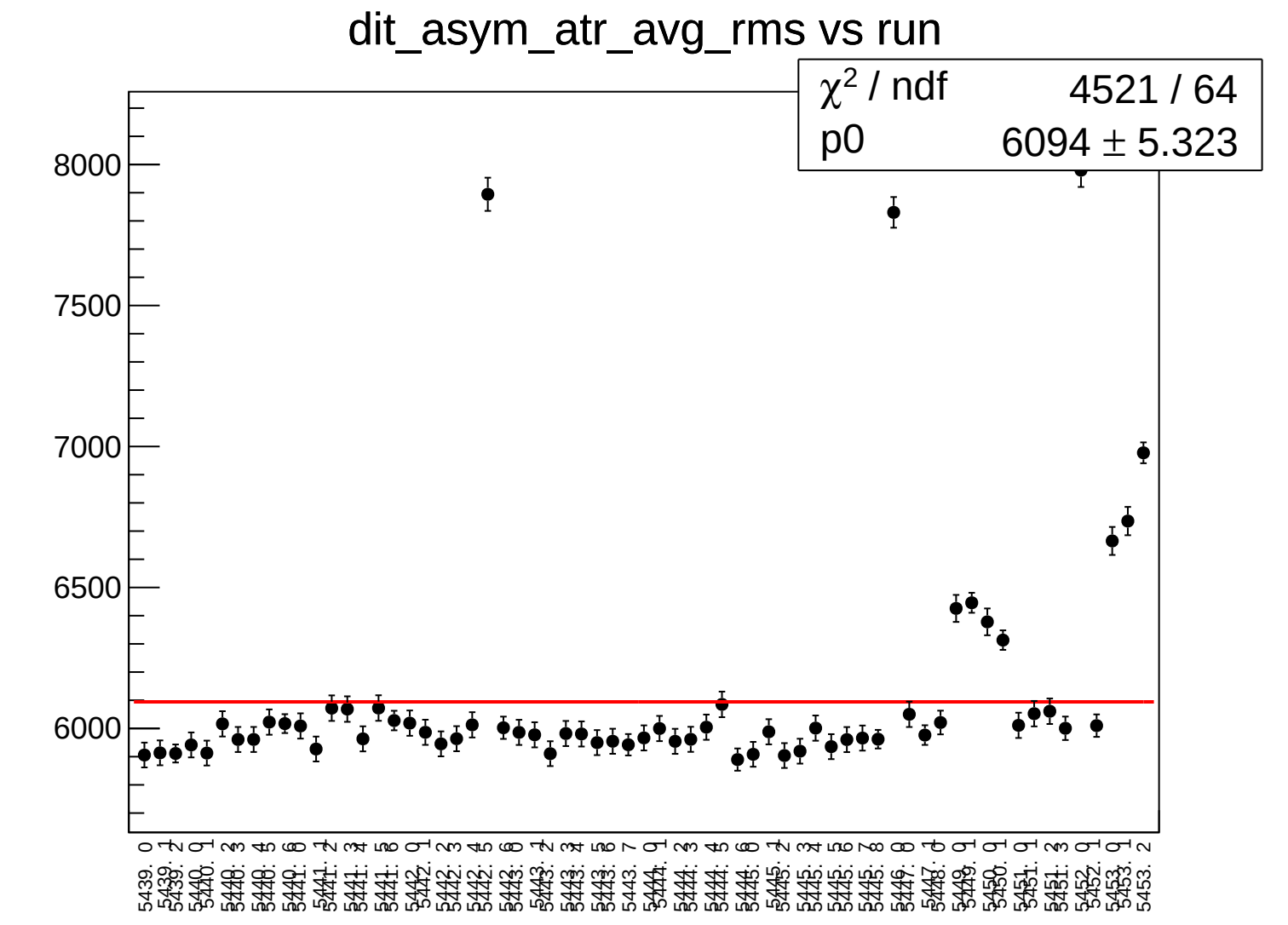

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.46 / 64
p0 409.6 ± 7292
pull
Entries 65
Mean −3.378
Std Dev 0

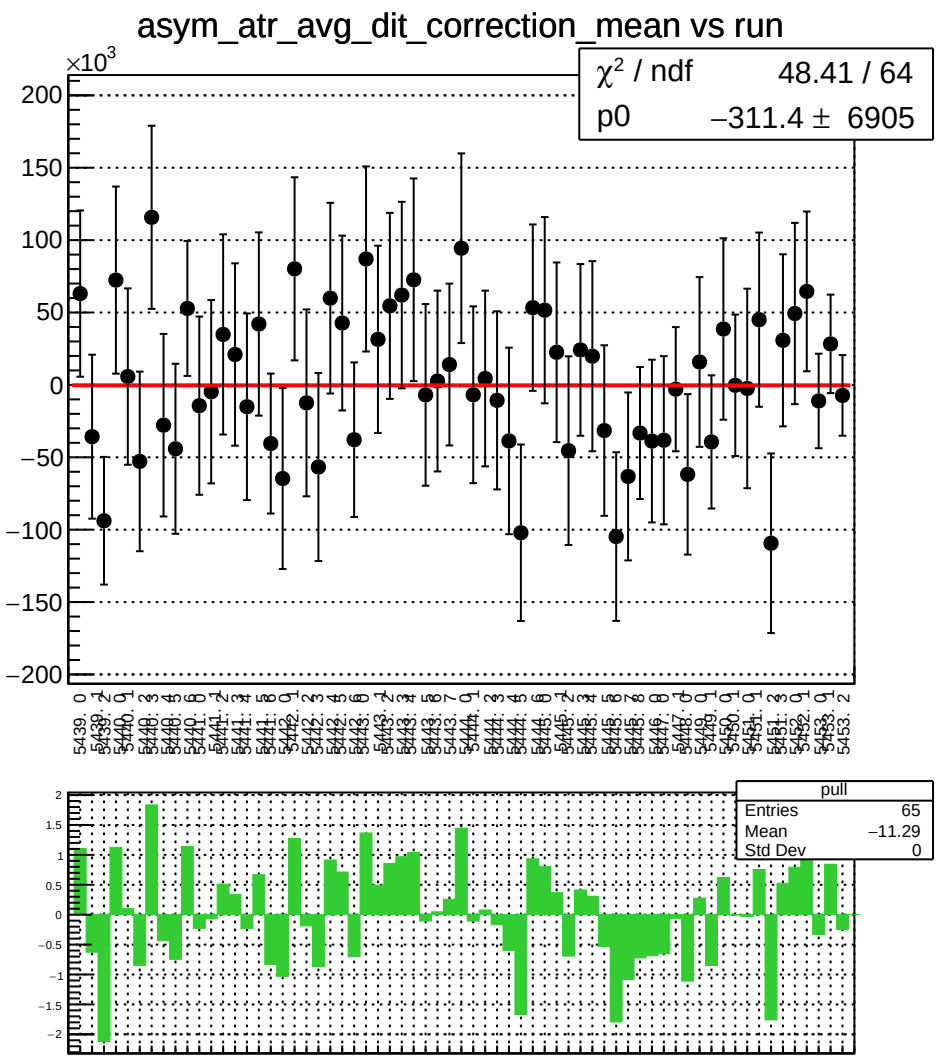

pull1D
Entries 65
Mean 0.03315
Std Dev 0.8804

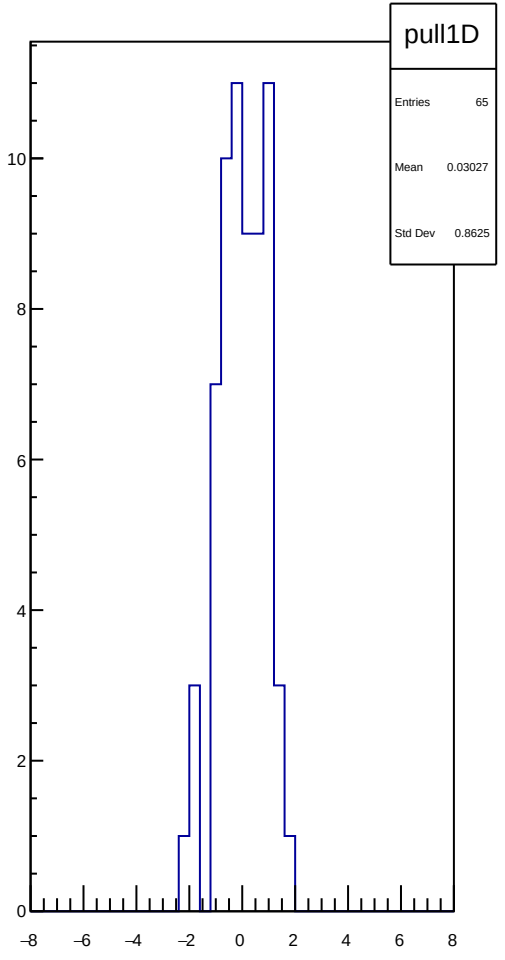

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 3770 / 64
p0 5906 ± 5.157
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

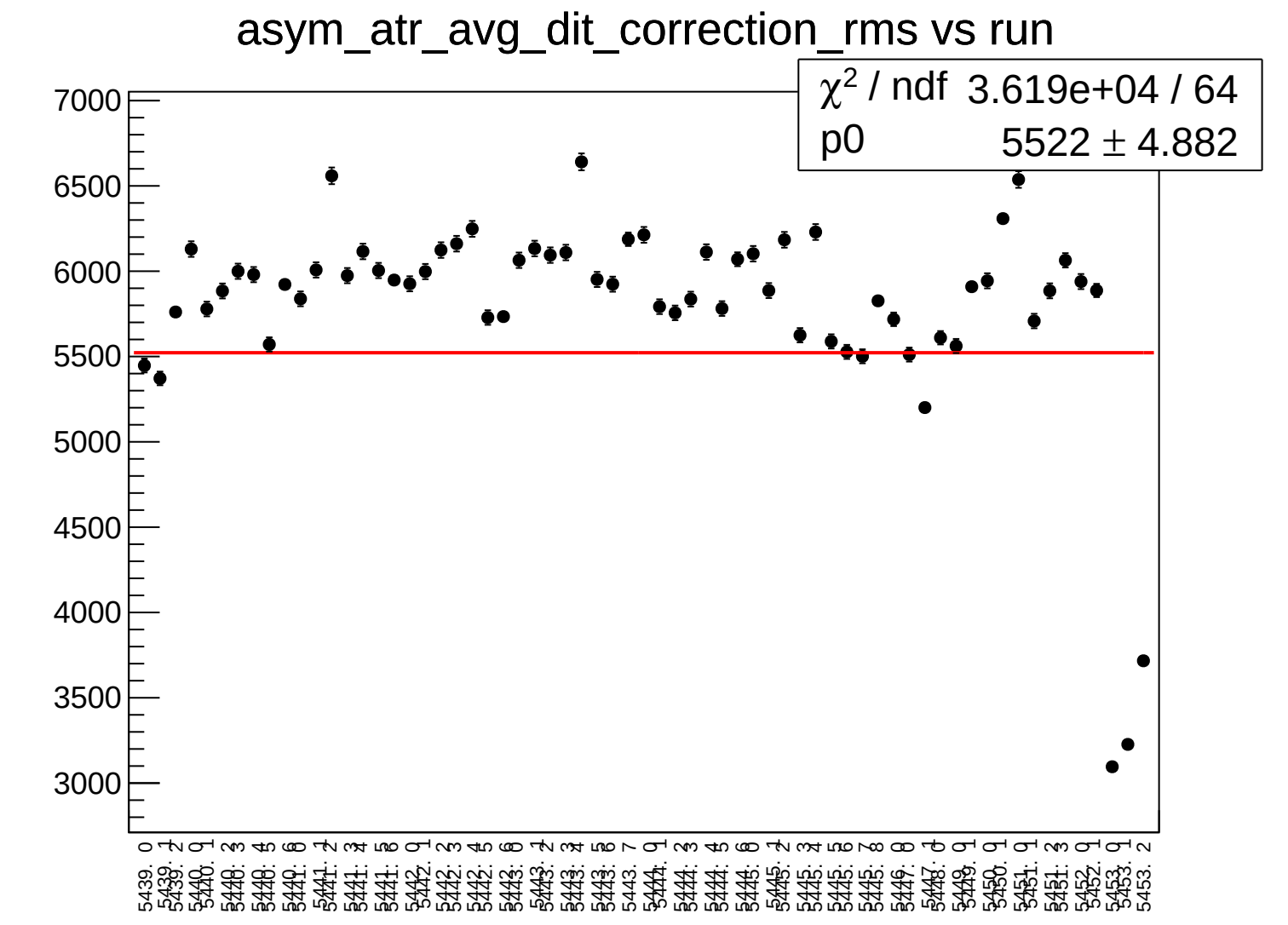

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 77.2 / 64
p0 7387 ± 7527
200
100
0
−100
−200
pull
Entries 65
Mean 91.73
Std Dev 0
3
2
1
0
−1
−2

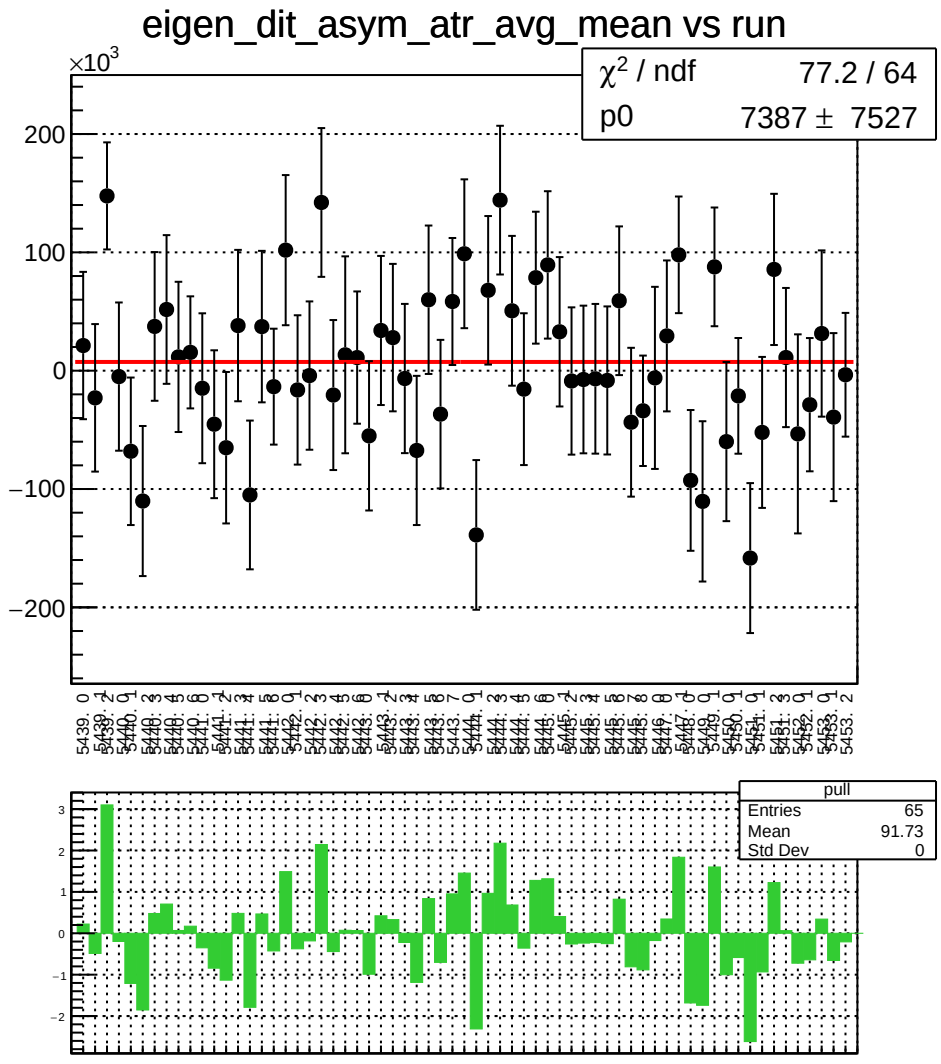

pull1D
Entries 65
Mean −0.03342
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

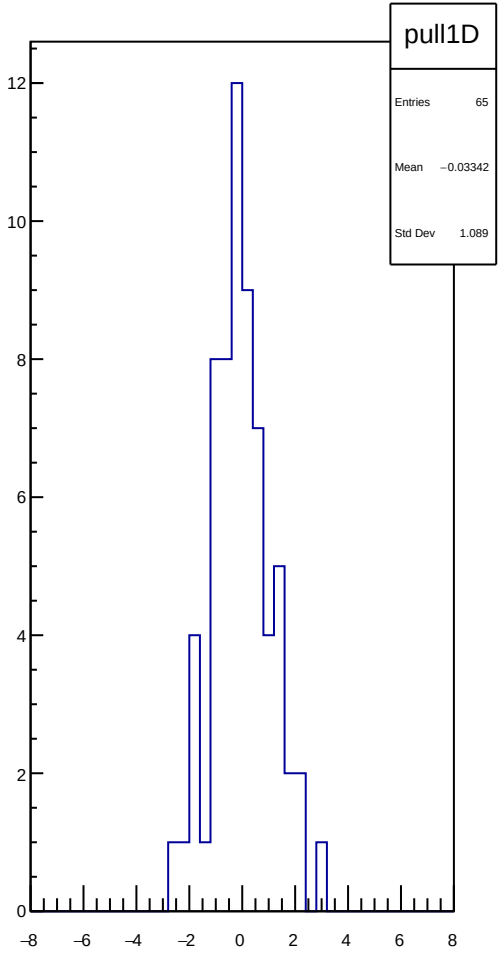

dit_asym_atr_avg_rms vs run
χ² / ndf 4521 / 64
p0 6094 ± 5.323
8000
7500
7000
6500
6000

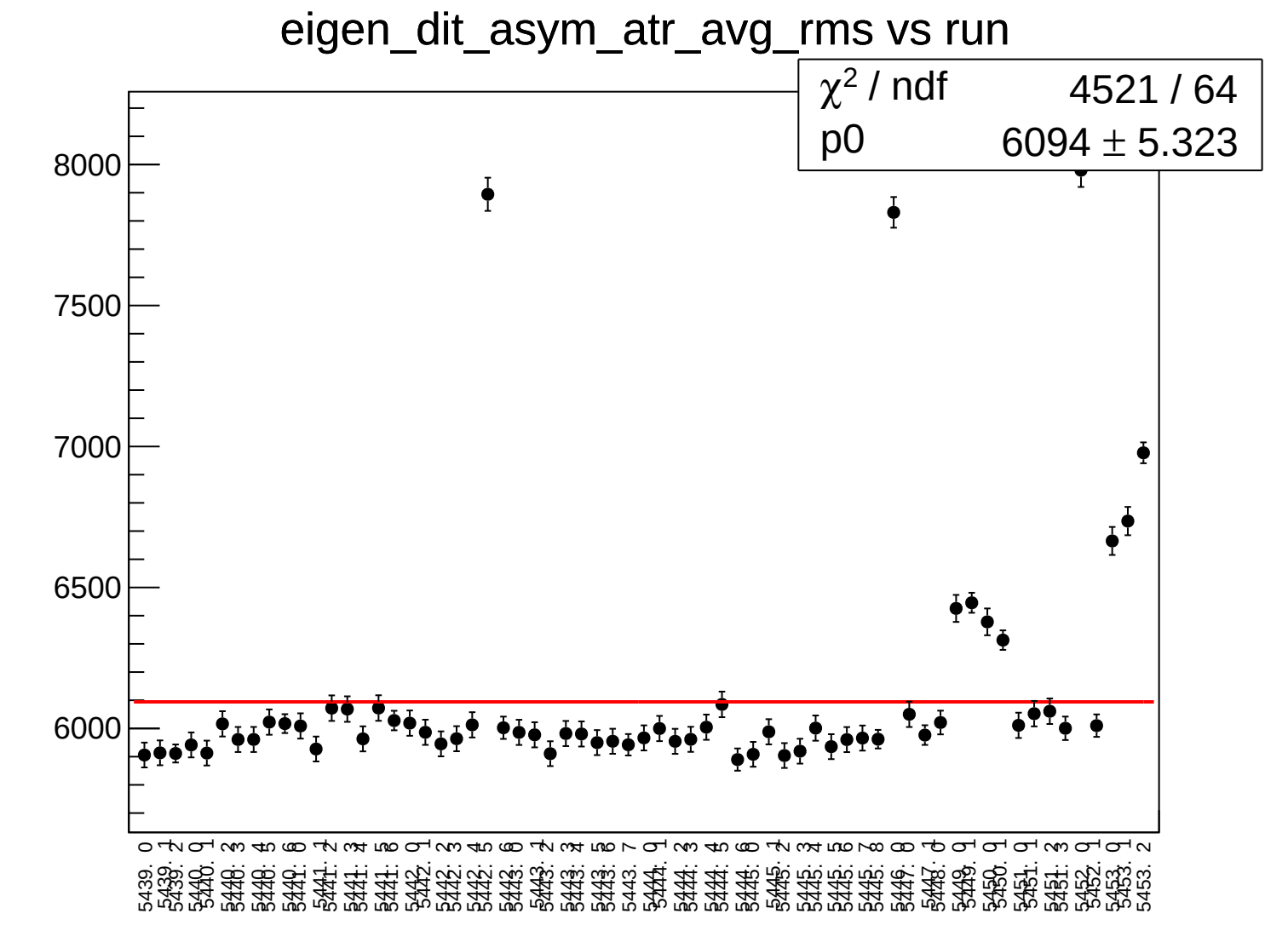

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 48.41 / 64
p0 −311.4 ± 6905
pull
Entries 65
Mean −11.29
Std Dev 0

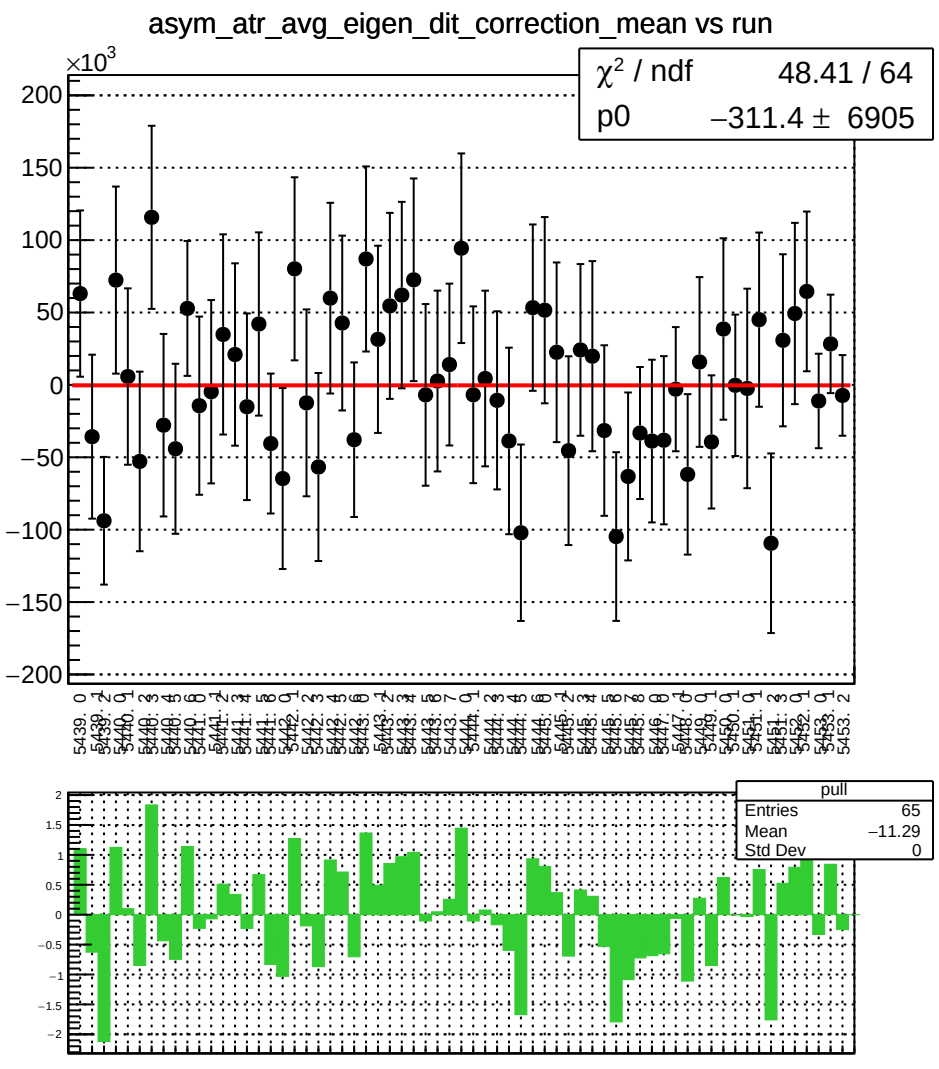

pull1D
Entries 65
Mean 0.03027
Std Dev 0.8625

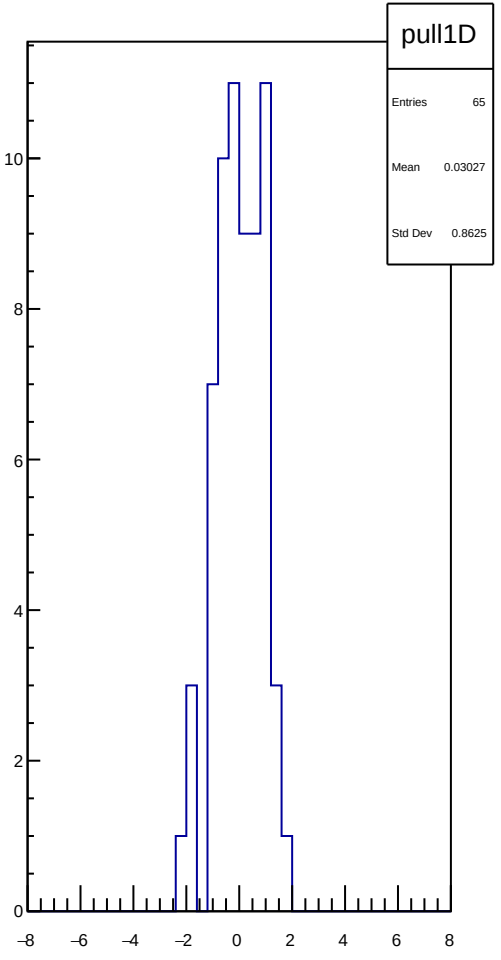

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 3.619e+04 / 64
p0 5522 ± 4.882
7000
6500
6000
5500
5000
4500
4000
3500
3000

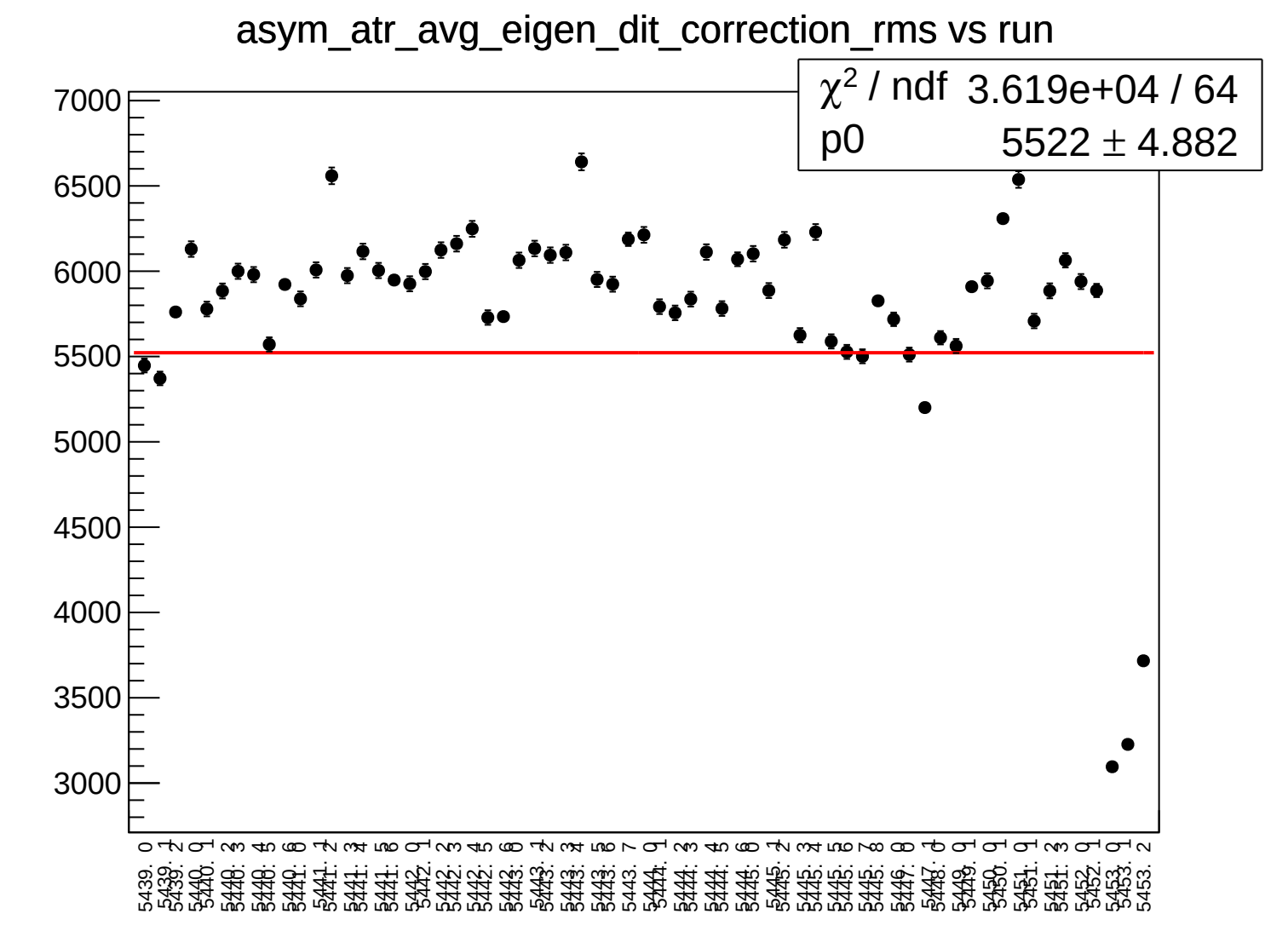

eigen_dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 77.2 / 64
p0 7387 ± 7527
200
100
0
−100
−200
pull
Entries 65
Mean 91.73
Std Dev 0
3
2
1
0
−1
−2

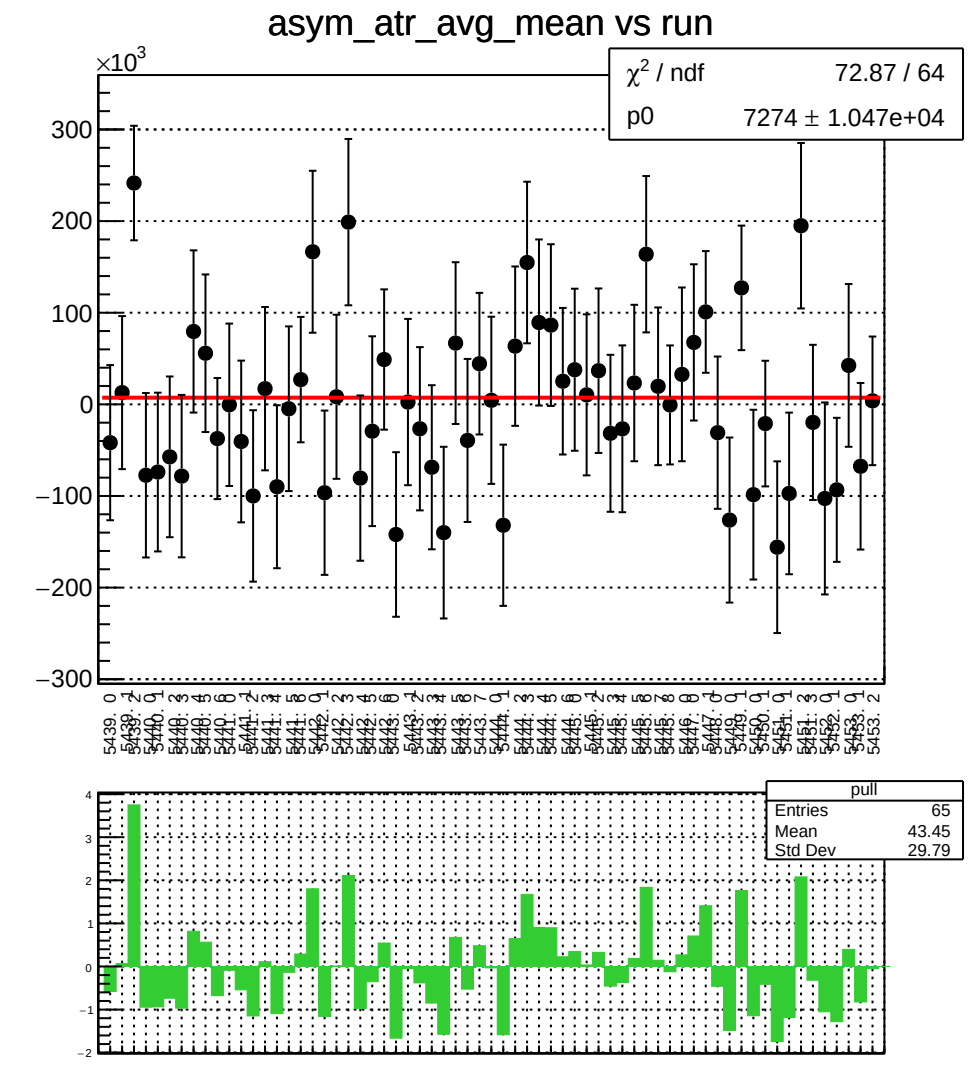

pull1D
Entries 65
Mean −0.03342
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

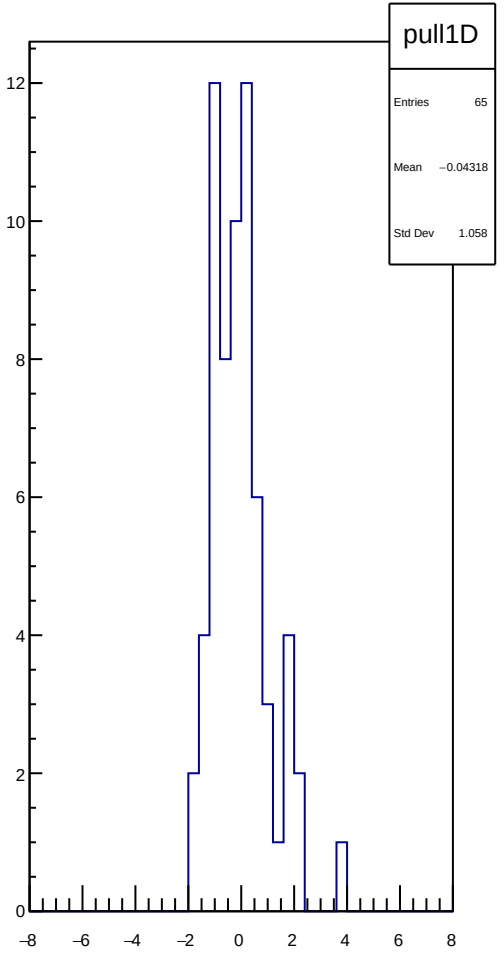

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 4521 / 64
p0 6094 ± 5.323
8000
7500
7000
6500
6000

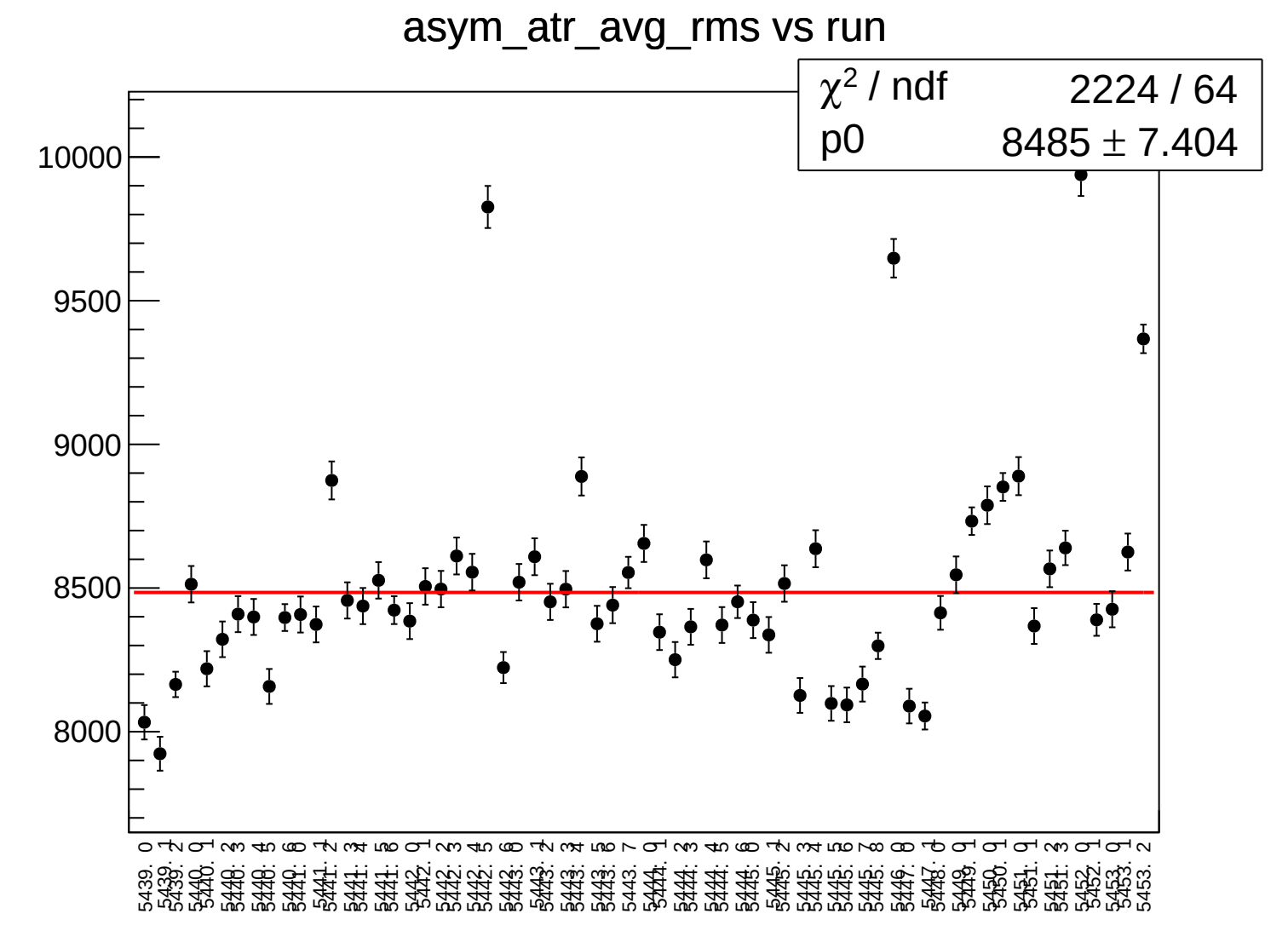

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 48.41 / 64
p0 −311.4 ± 6905
pull
Entries 65
Mean −11.29
Std Dev 0

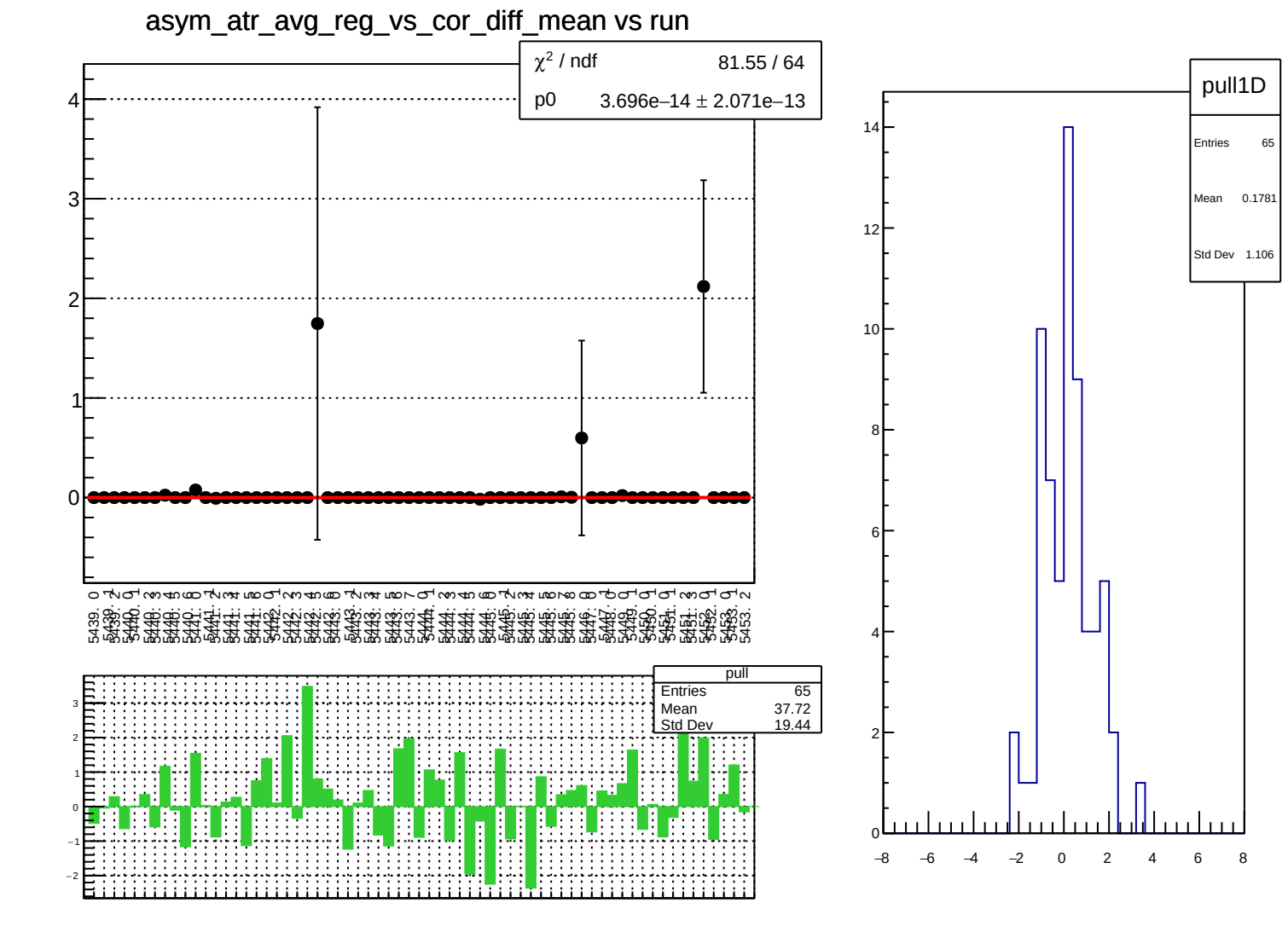

pull1D
Entries 65
Mean 0.03027
Std Dev 0.8625

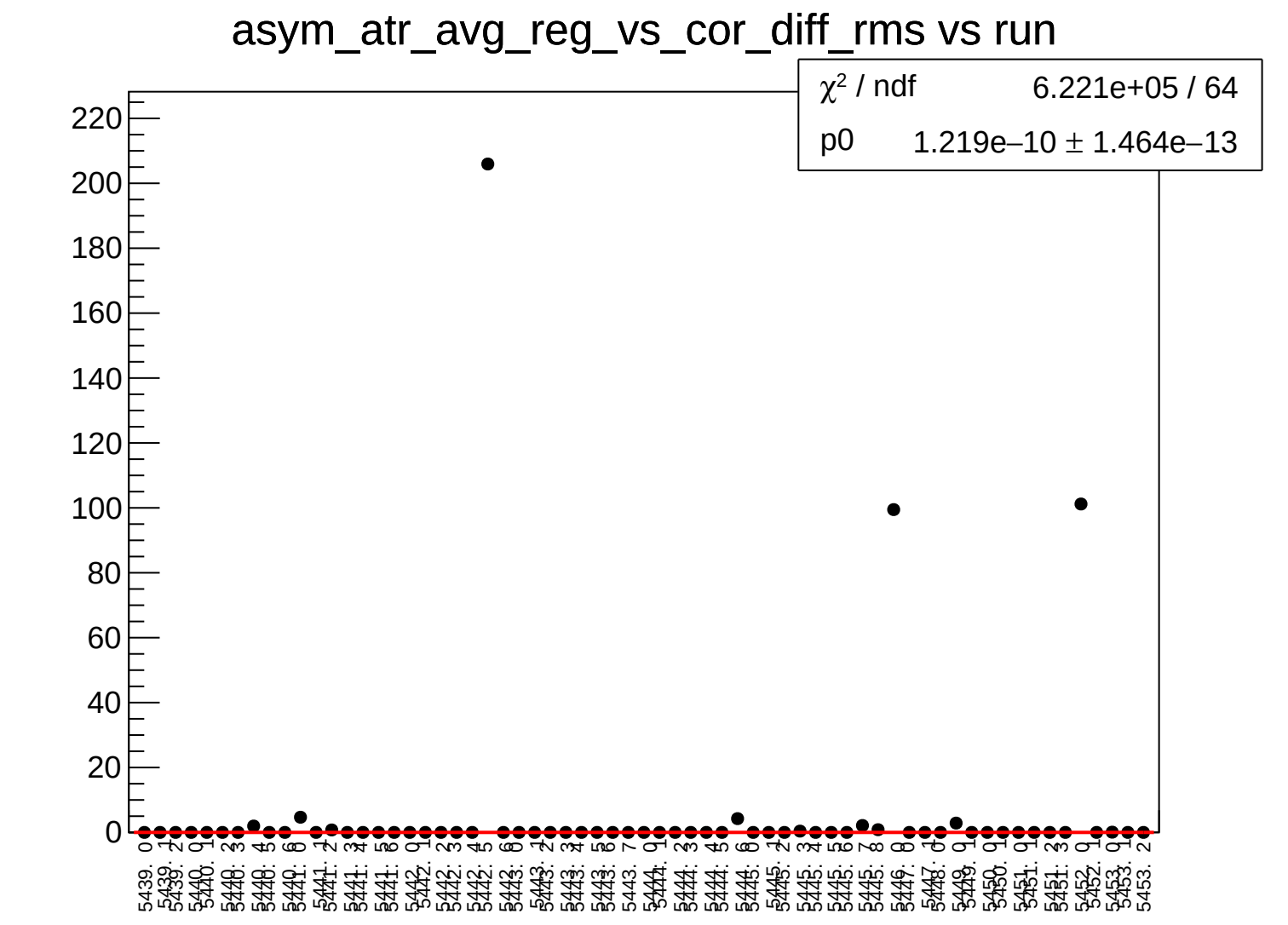

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.619e+04 / 64
p0 5522 ± 4.882
7000
6500
6000
5500
5000
4500
4000
3500
3000

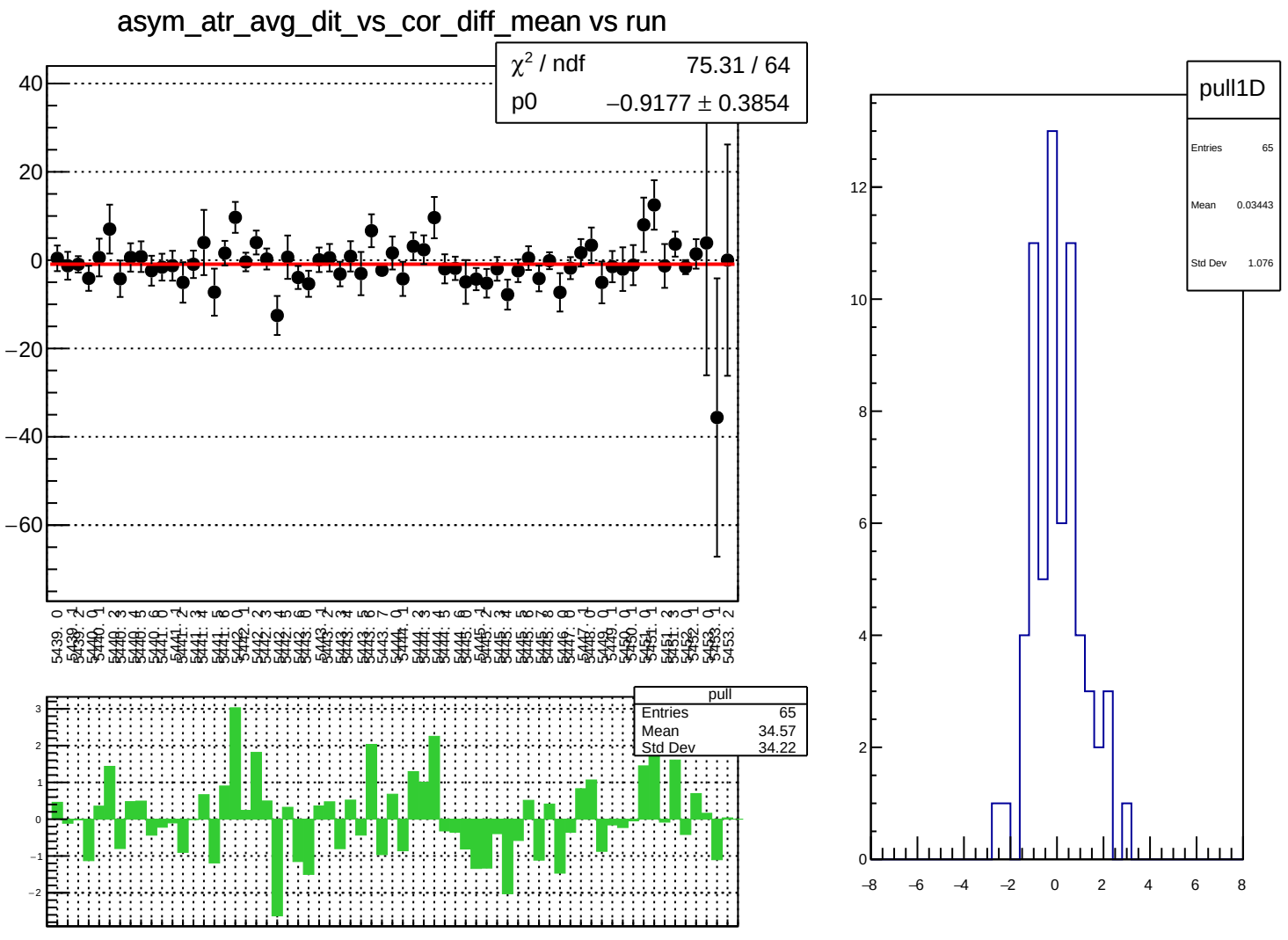

asym_atr_avg_mean vs run
×10^3
χ² / ndf 72.87 / 64
p0 7274 ± 1.047e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean 43.45
Std Dev 29.79
4
3
2
1
0
−1
−2

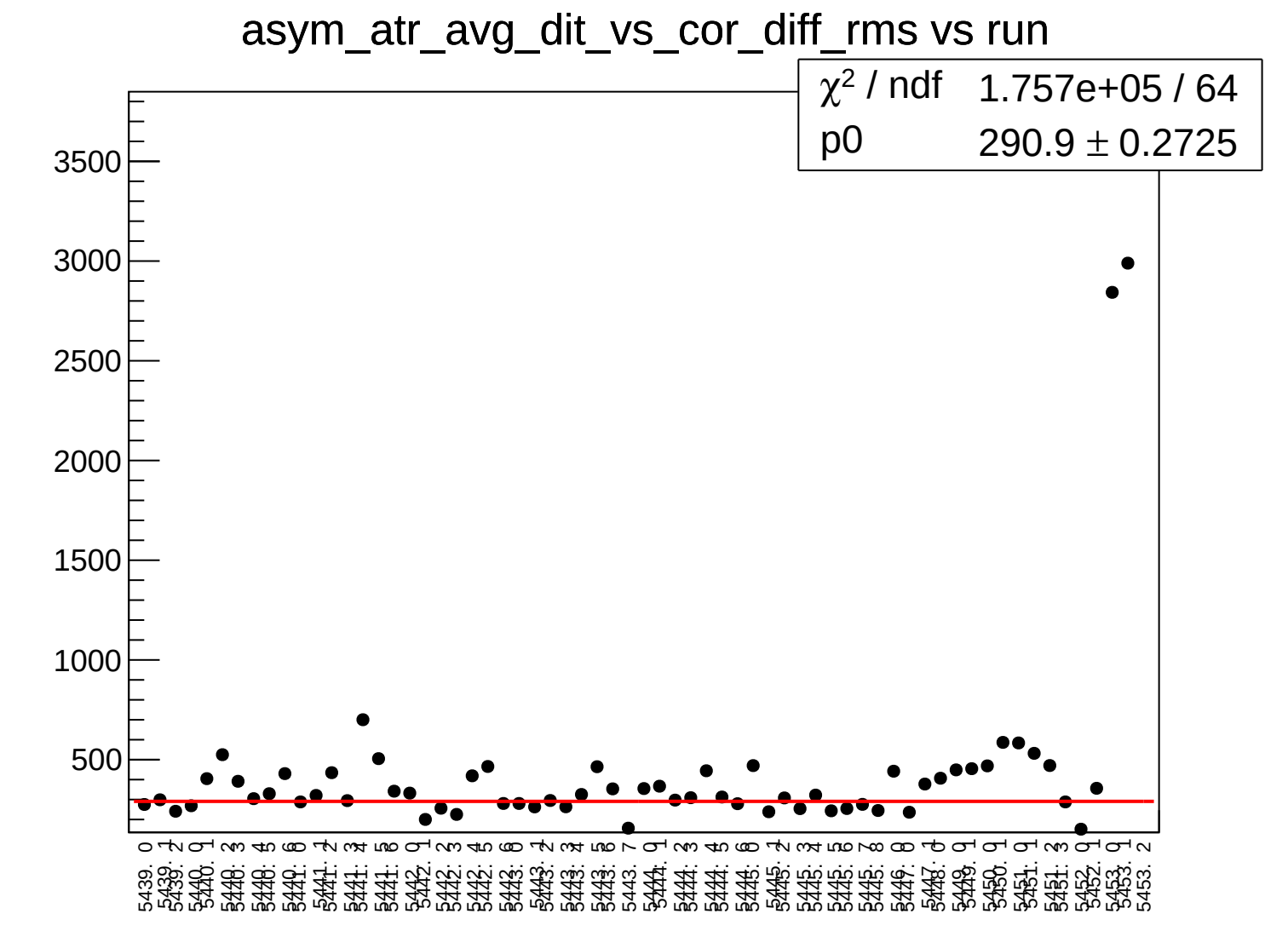

pull1D
Entries 65
Mean −0.04318
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

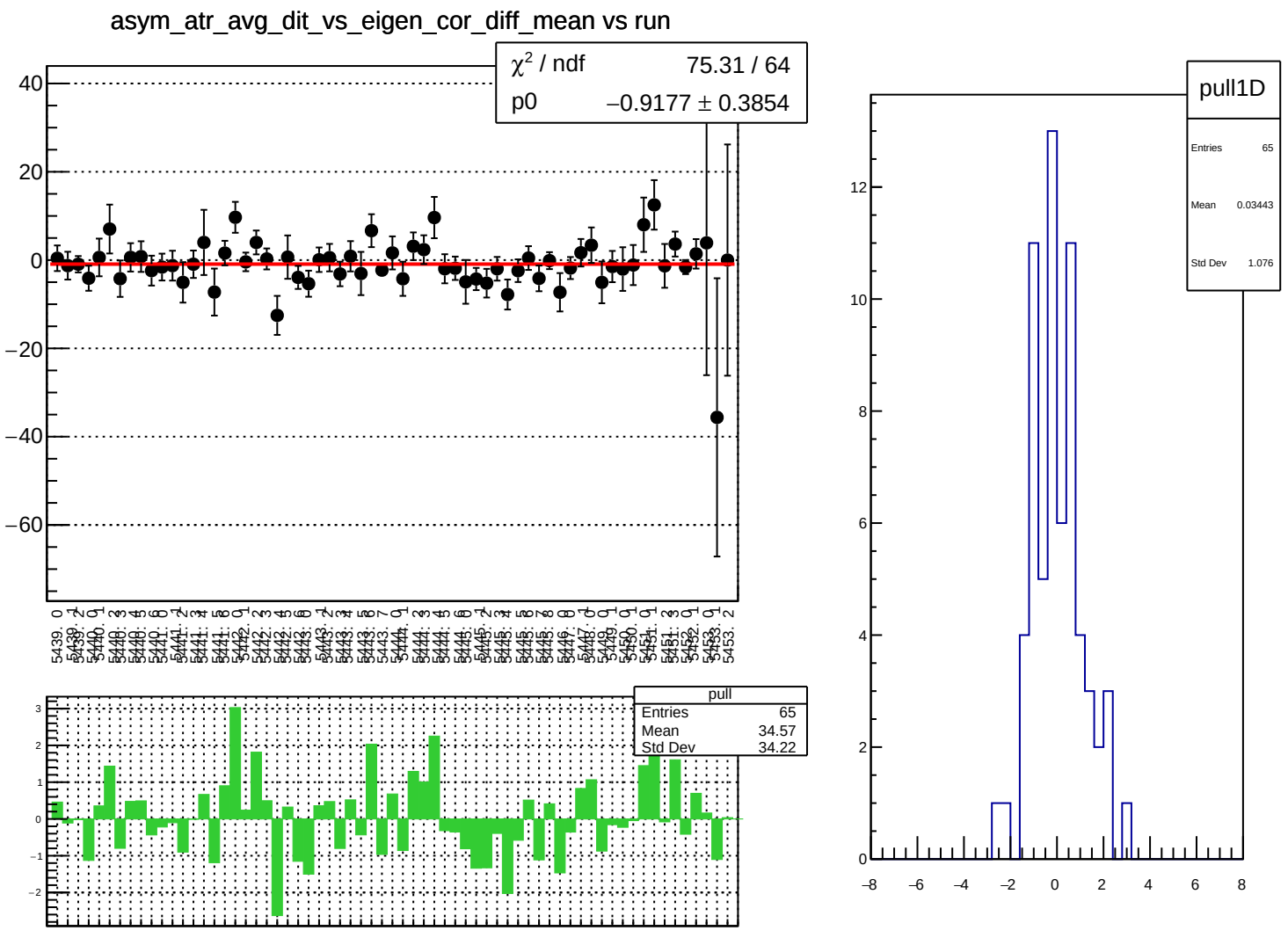

asym_atr_avg_rms vs run
χ² / ndf 2224 / 64
p0 8485 ± 7.404
10000
9500
9000
8500
8000

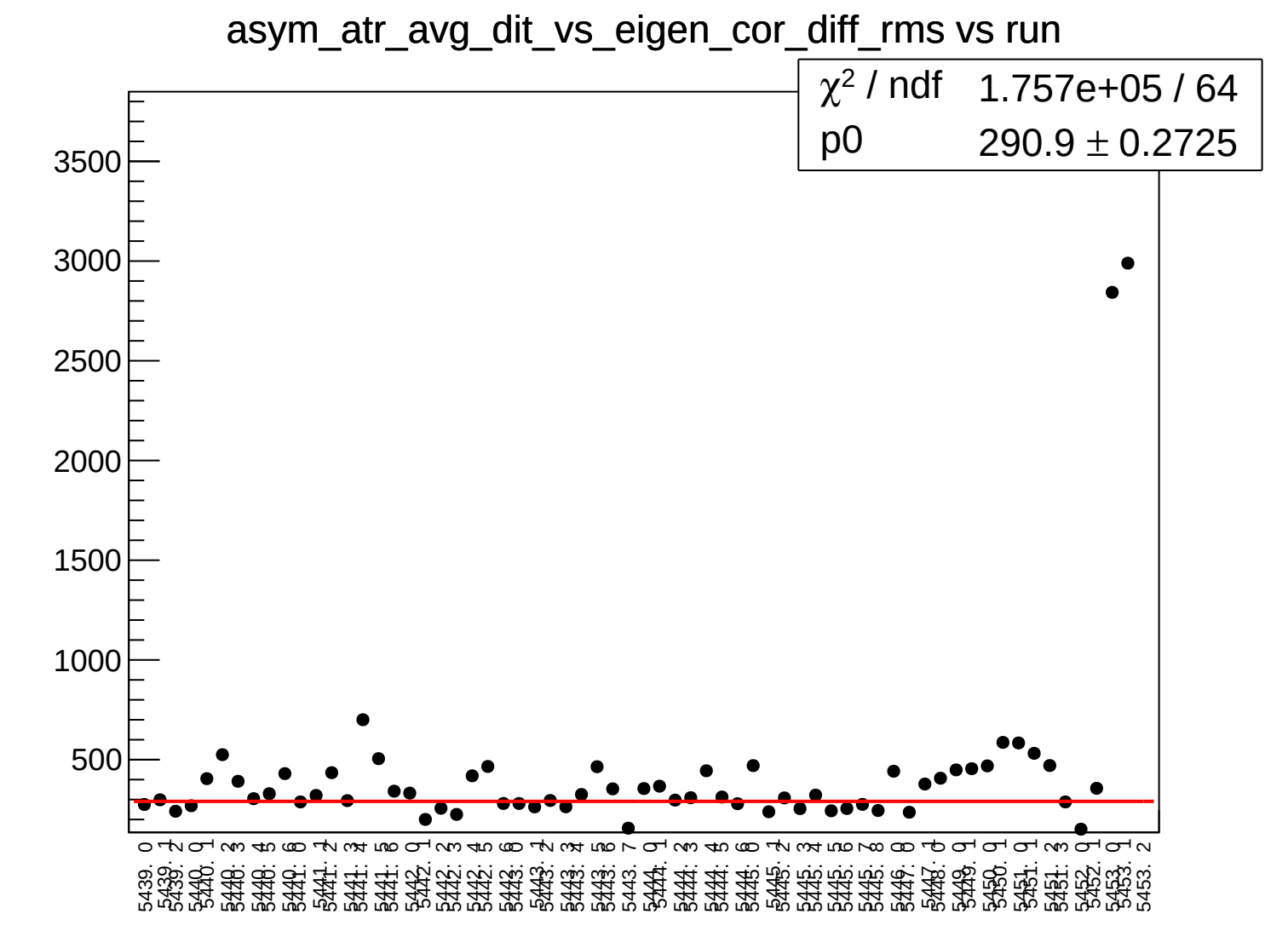

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.55 / 64
p0 3.696e−14 ± 2.071e−13
pull
Entries 65
Mean 37.72
Std Dev 19.44
pull1D
Entries 65
Mean 0.1781
Std Dev 1.106

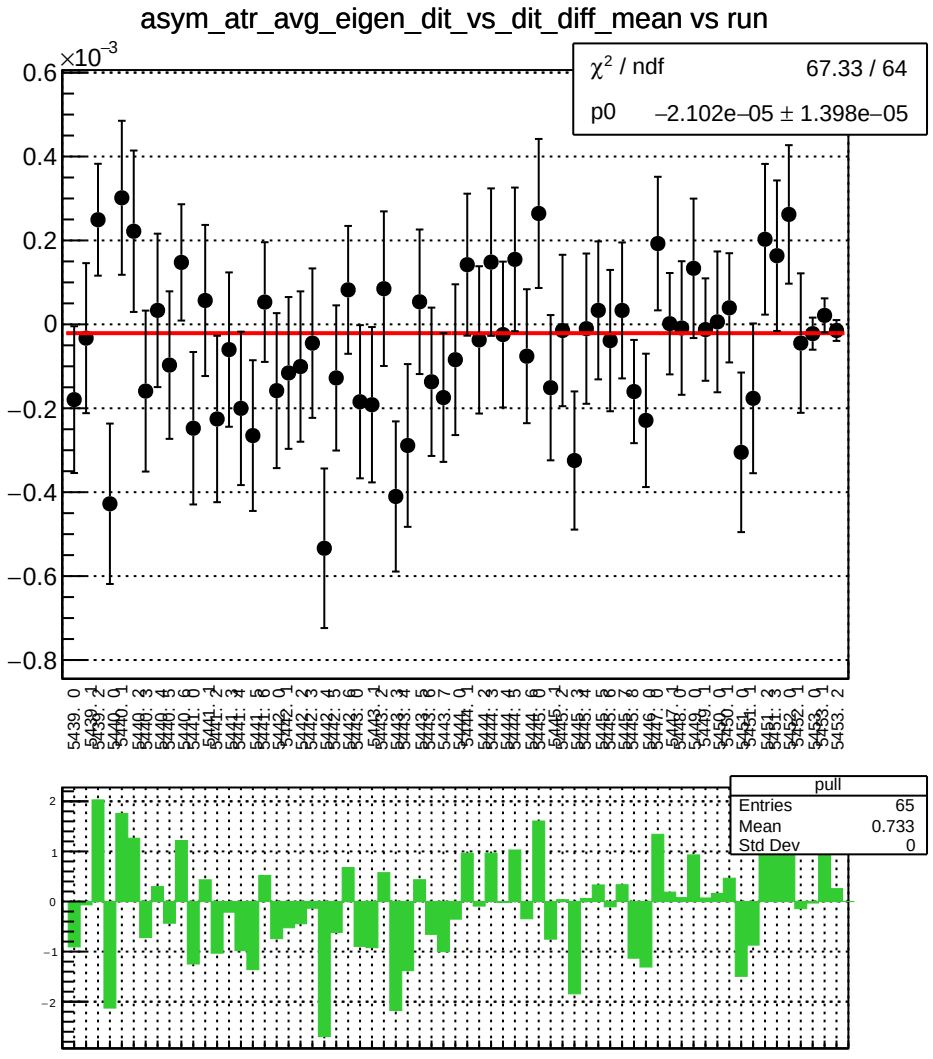

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.221e+05 / 64
p0 1.219e−10 ± 1.464e−13
220
200
180
160
140
120
100
80
60
40
20
0

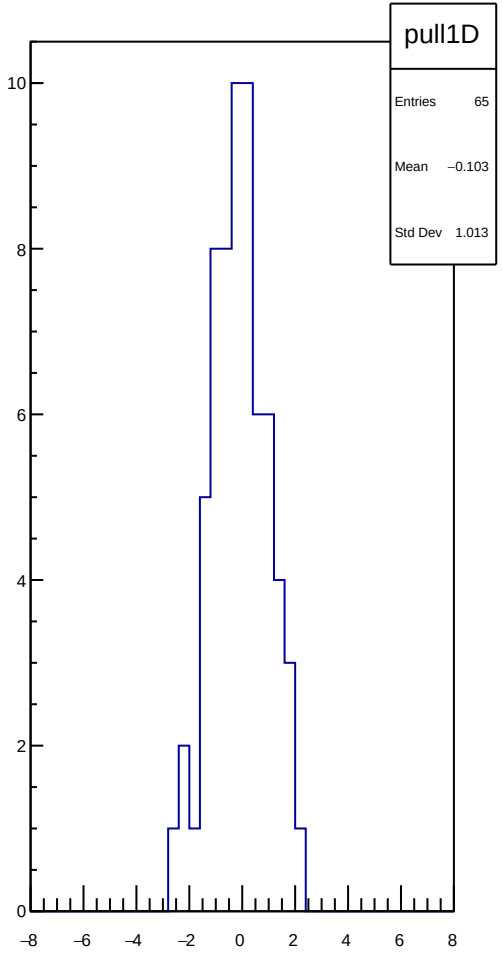

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.31 / 64
p0 −0.9177 ± 0.3854
pull
Entries 65
Mean 34.57
Std Dev 34.22
pull1D
Entries 65
Mean 0.03443
Std Dev 1.076

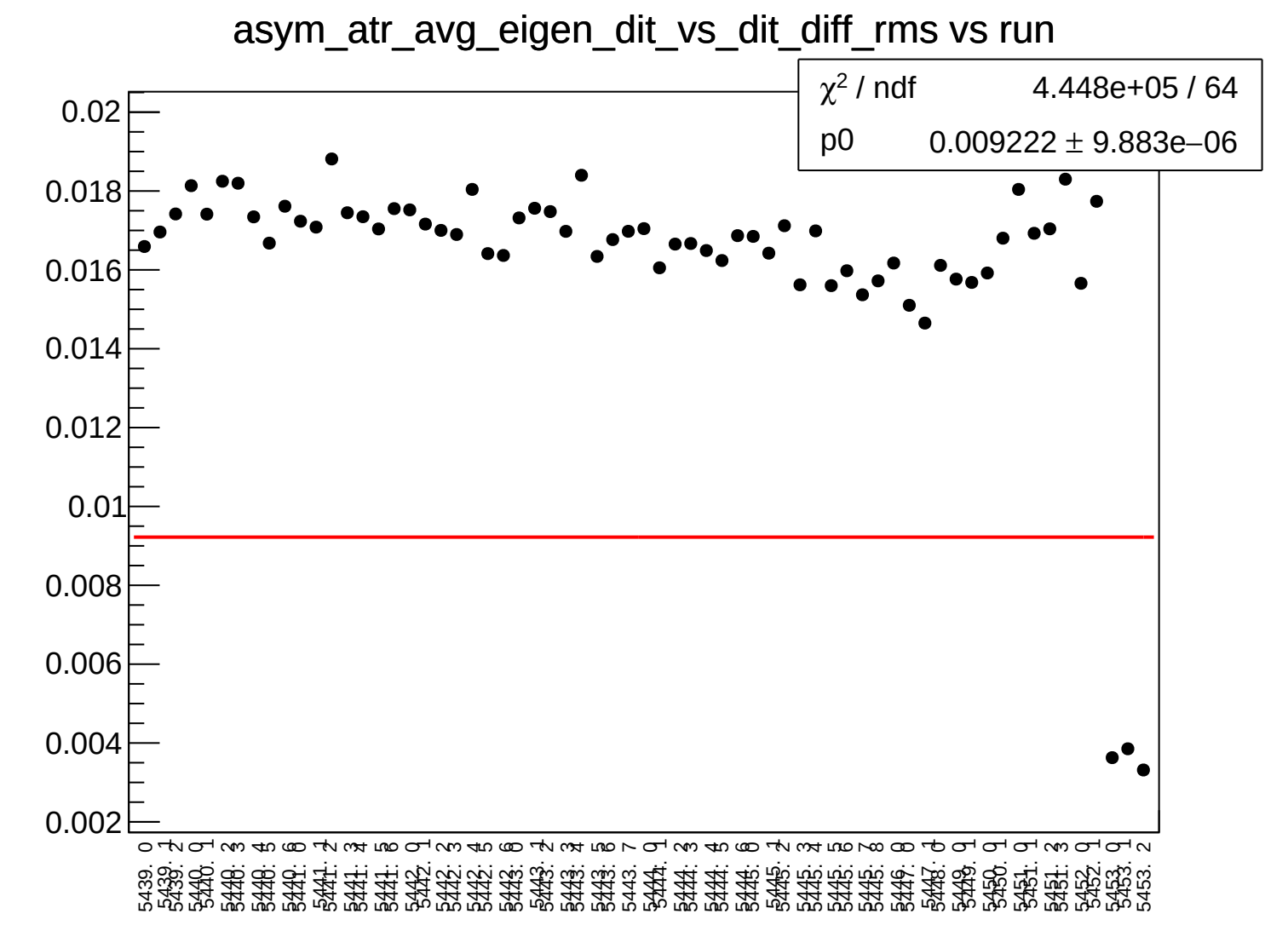

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.757e+05 / 64
p0 290.9 ± 0.2725
3500
3000
2500
2000
1500
1000
500

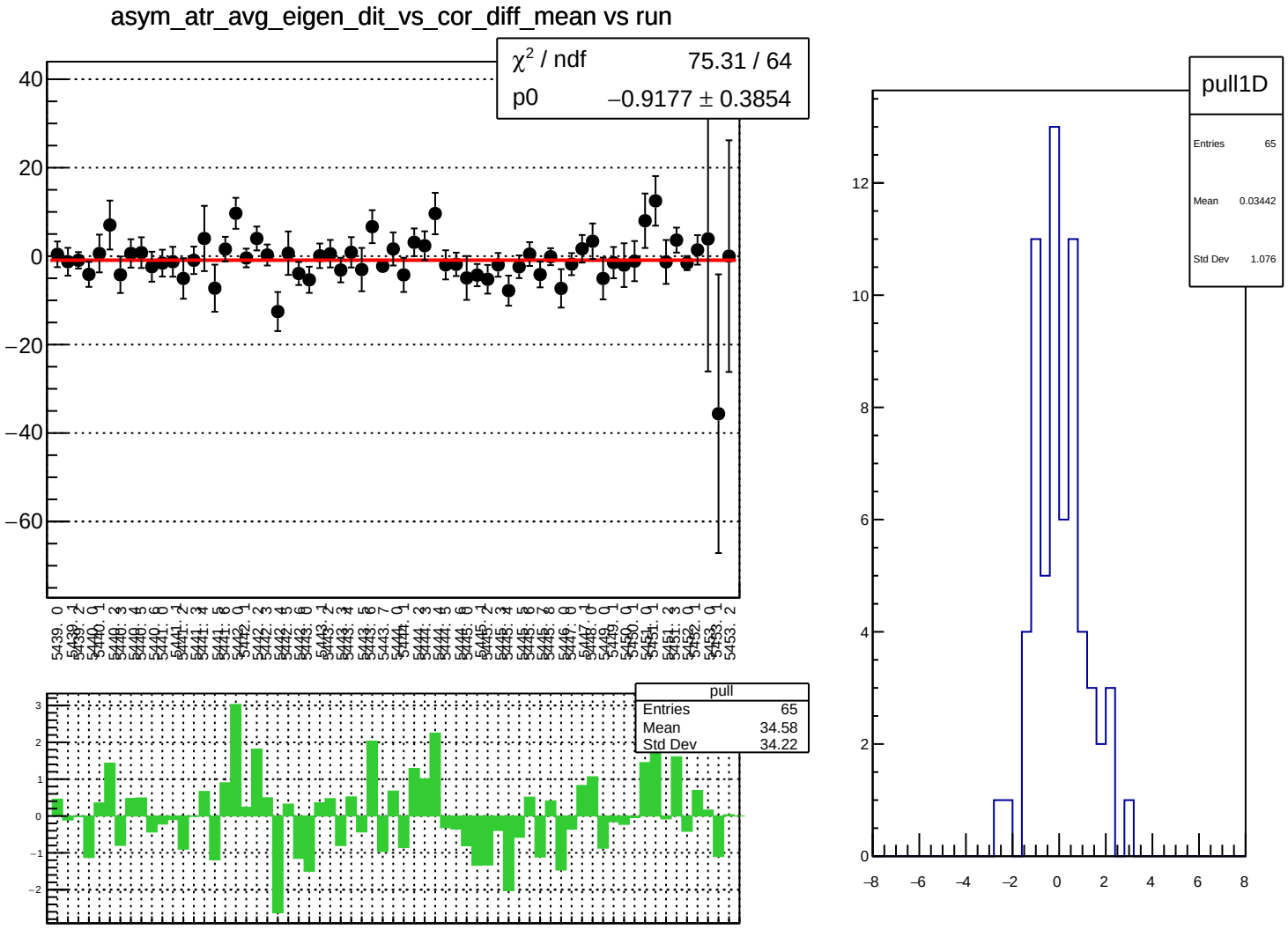

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.31 / 64
p0 −0.9177 ± 0.3854
pull
Entries 65
Mean 34.57
Std Dev 34.22
pull1D
Entries 65
Mean 0.03443
Std Dev 1.076

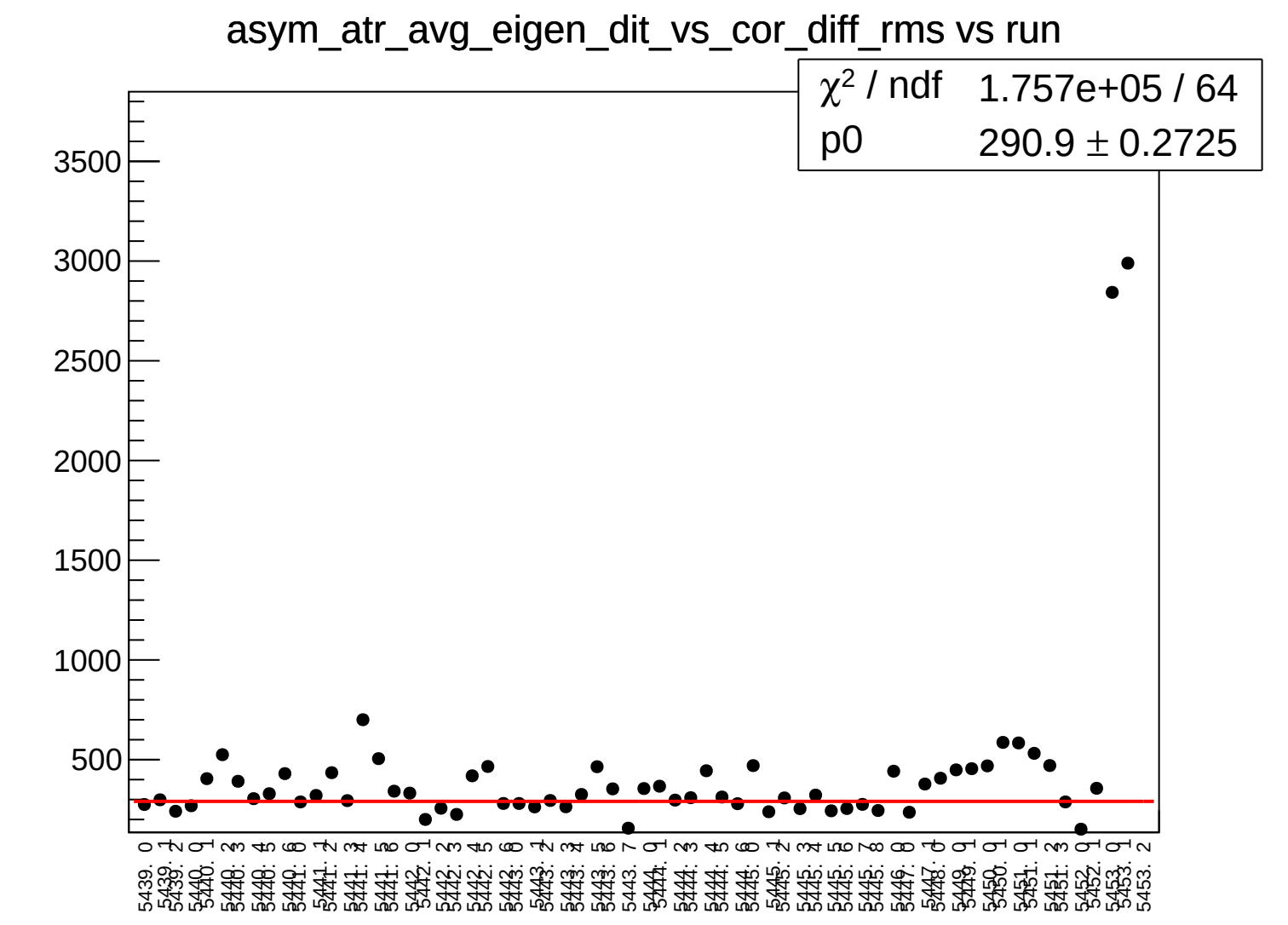

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.757e+05 / 64
p0 290.9 ± 0.2725
3500
3000
2500
2000
1500
1000
500

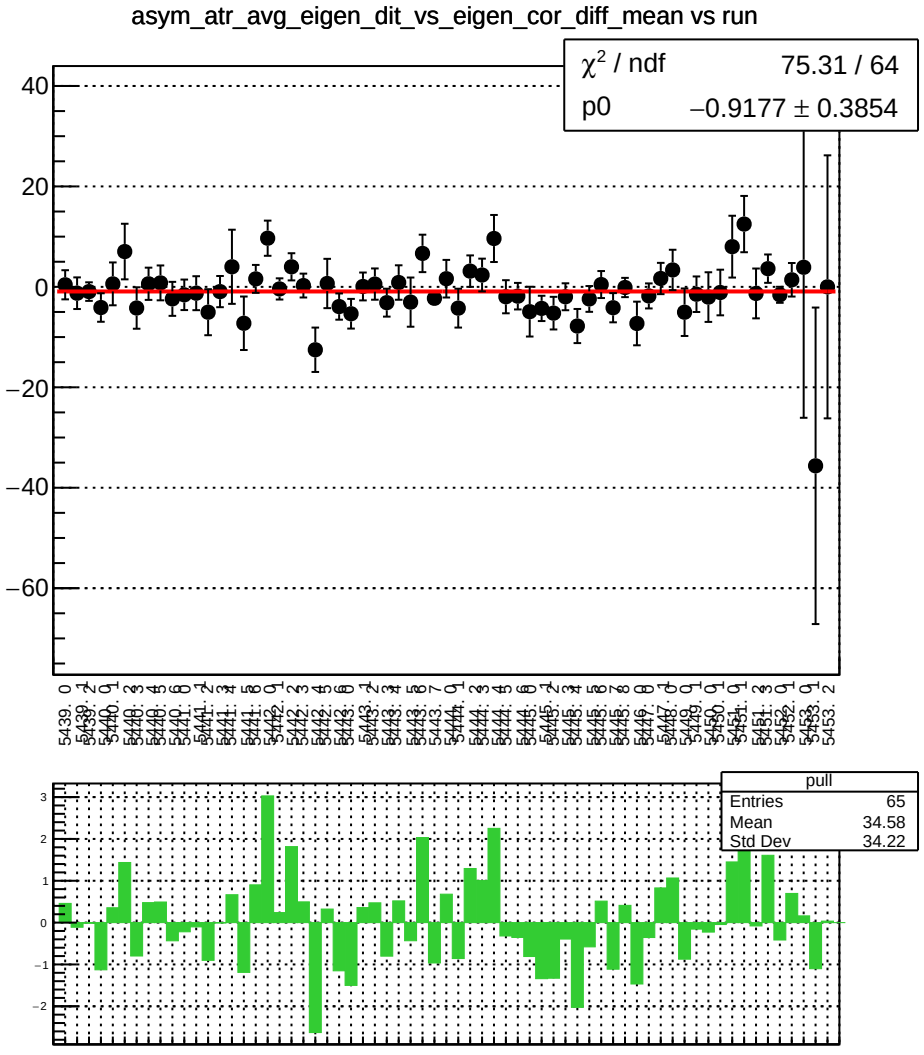

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.33 / 64
p0 −2.102e−05 ± 1.398e−05
pull
Entries 65
Mean 0.733
Std Dev 0

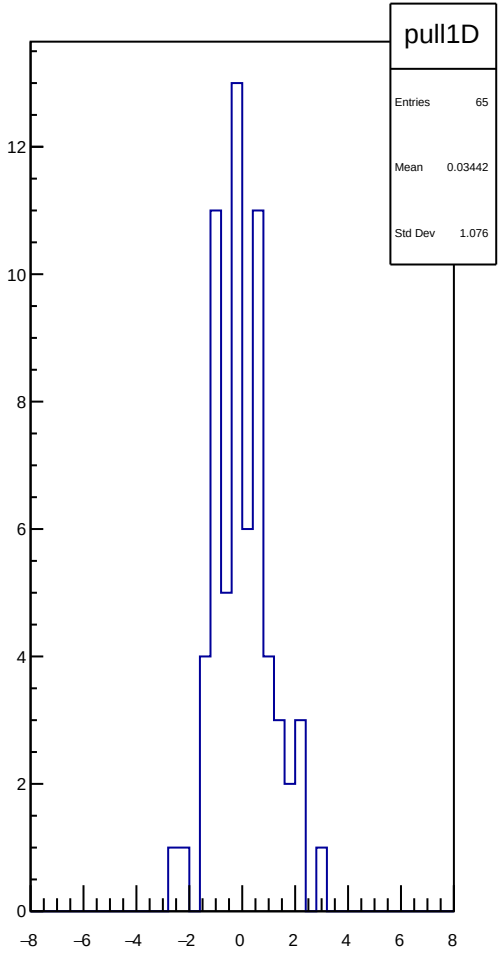

pull1D
Entries 65
Mean −0.103
Std Dev 1.013

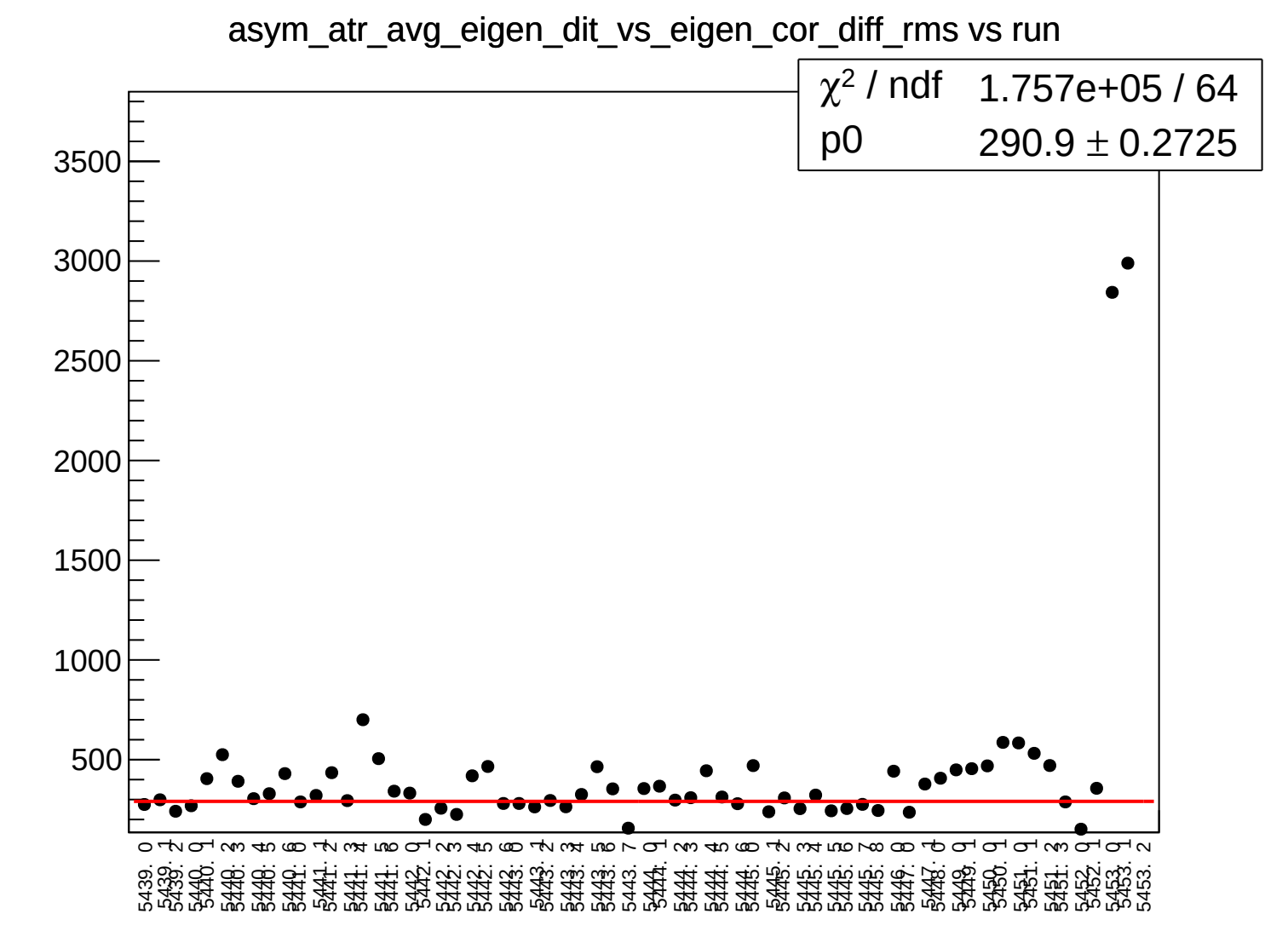

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.448e+05 / 64
p0 0.009222 ± 9.883e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

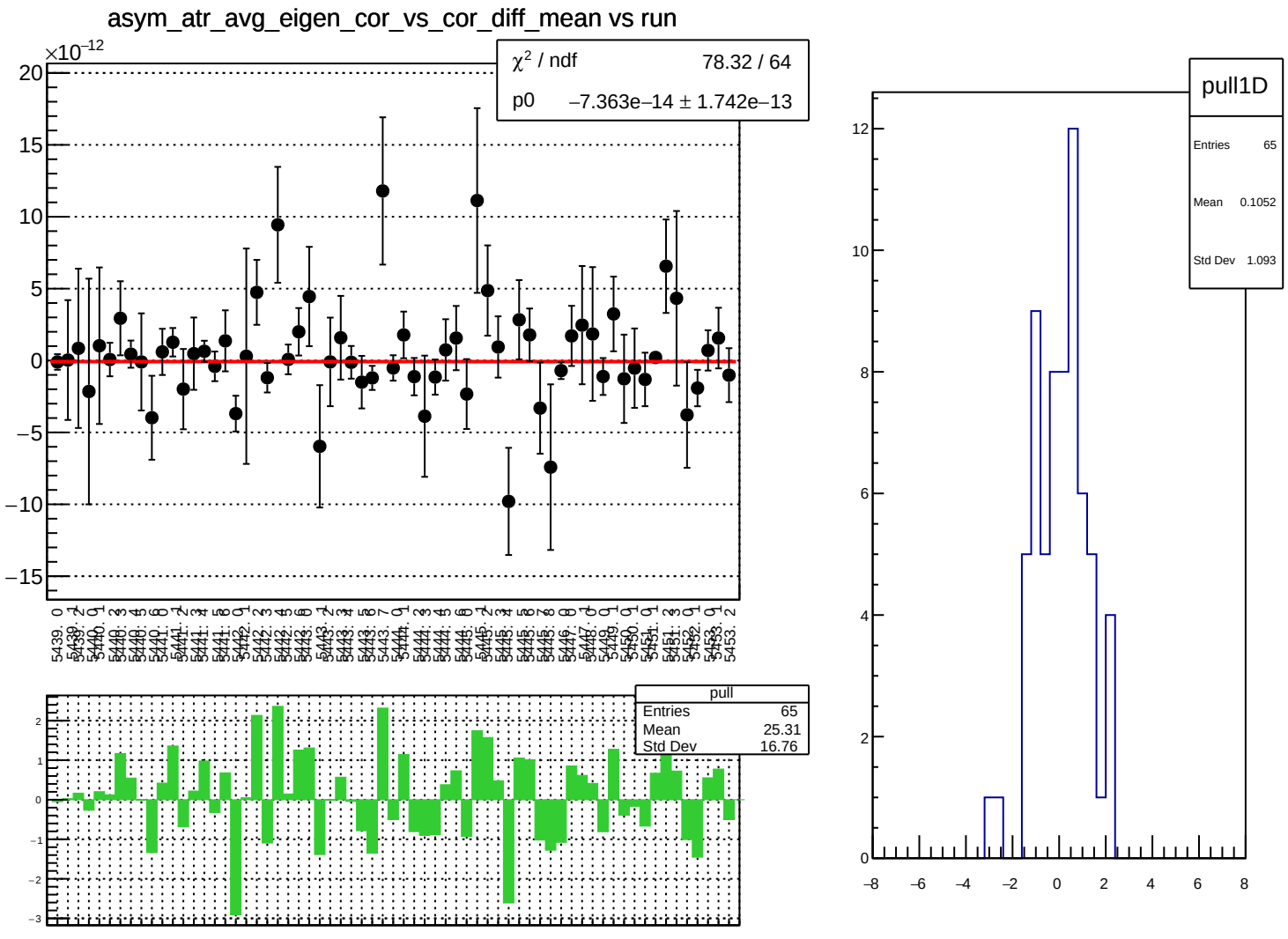

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.31 / 64
p0 −0.9177 ± 0.3854
pull
Entries 65
Mean 34.58
Std Dev 34.22
pull1D
Entries 65
Mean 0.03442
Std Dev 1.076

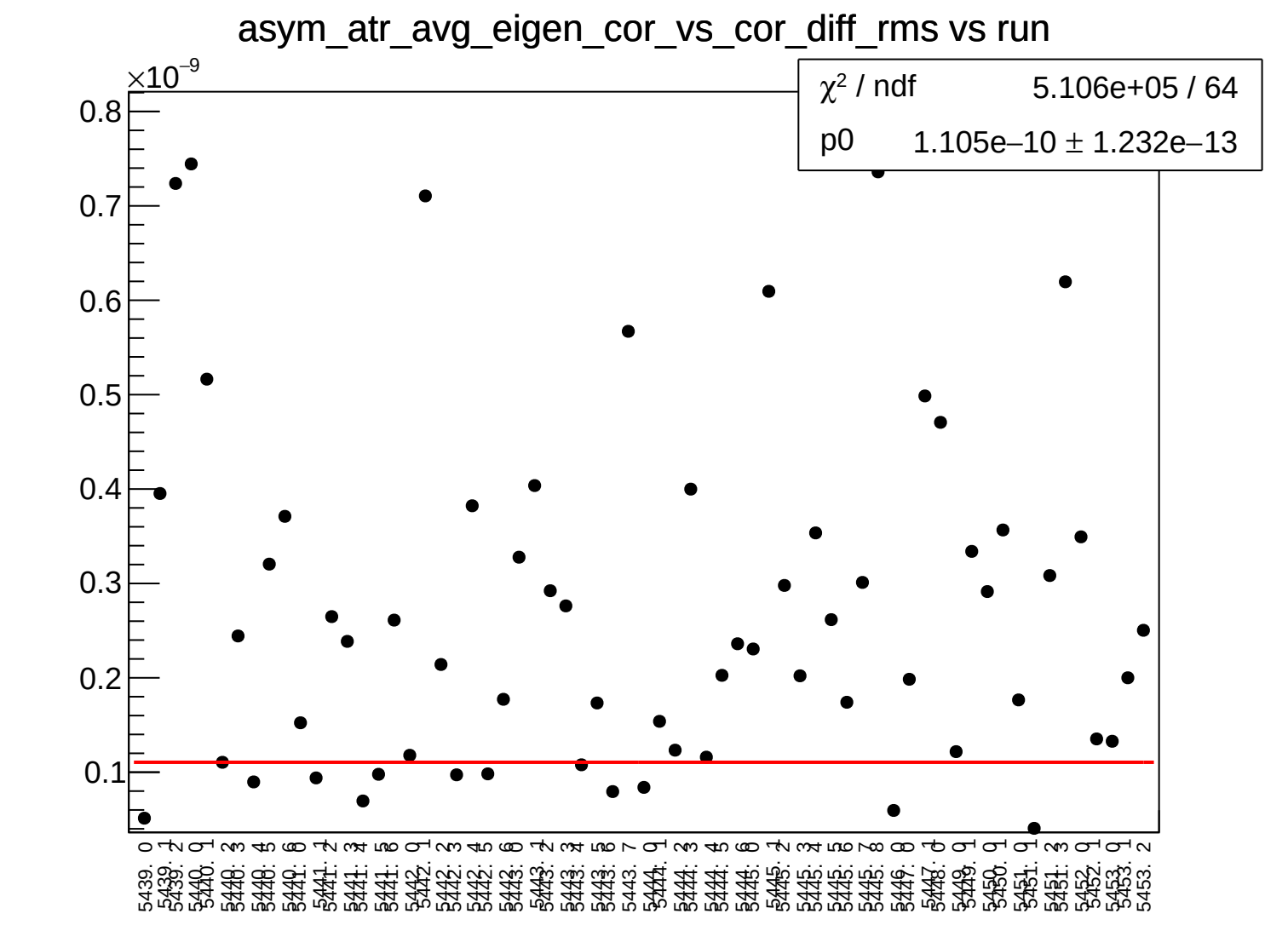

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.757e+05 / 64
p0 290.9 ± 0.2725
3500
3000
2500
2000
1500
1000
500

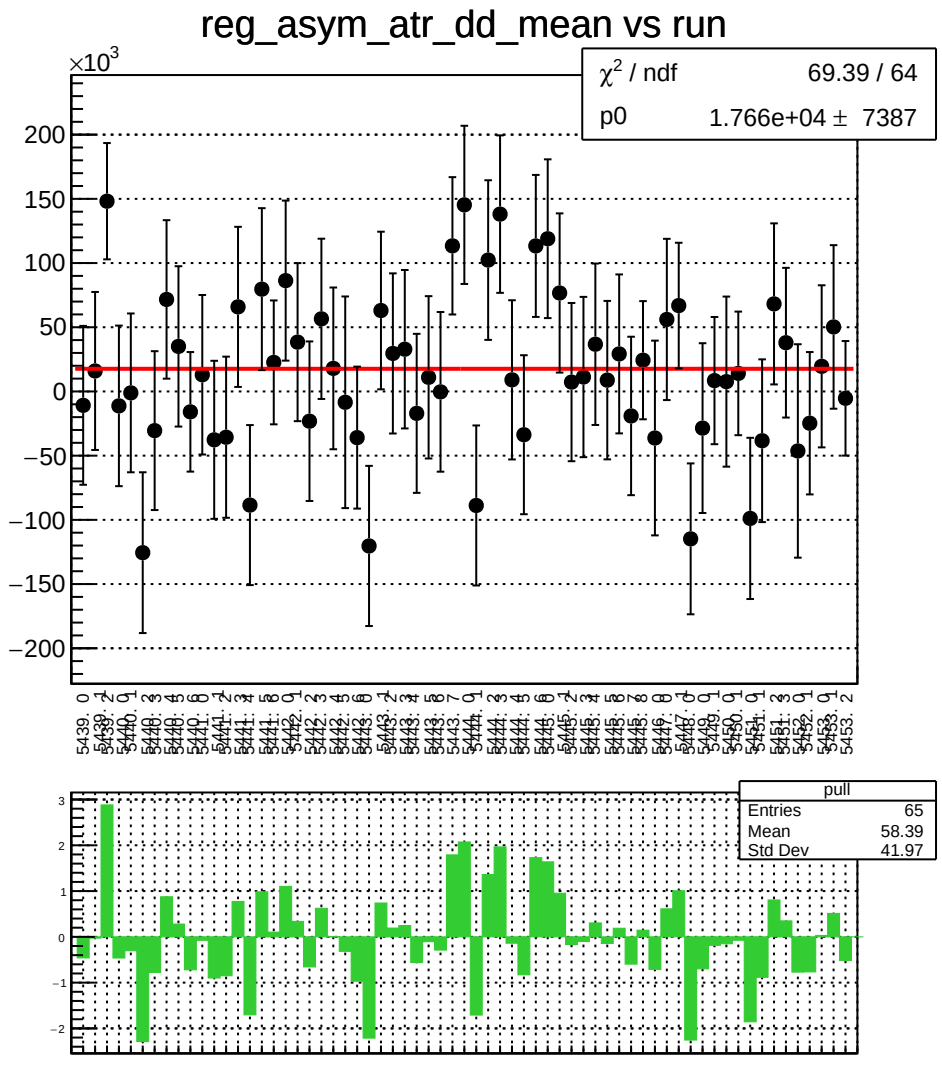

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.31 / 64
p0 −0.9177 ± 0.3854
pull
Entries 65
Mean 34.58
Std Dev 34.22

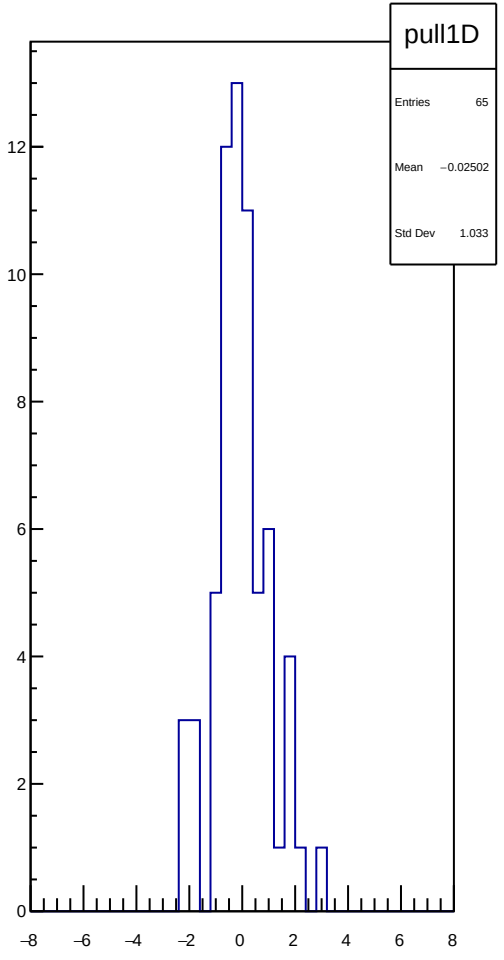

pull1D
Entries 65
Mean 0.03442
Std Dev 1.076

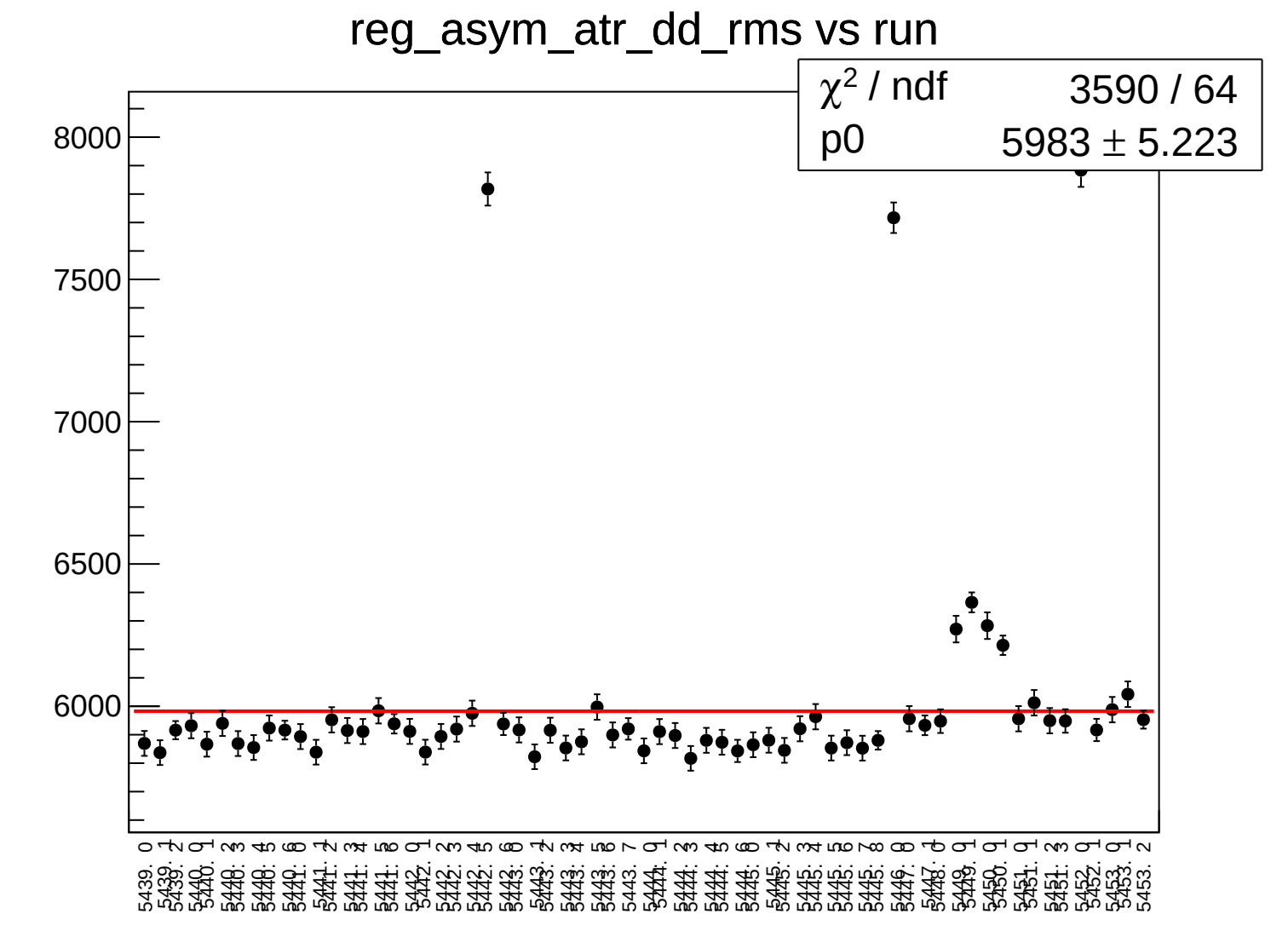

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.757e+05 / 64
p0 290.9 ± 0.2725
3500
3000
2500
2000
1500
1000
500

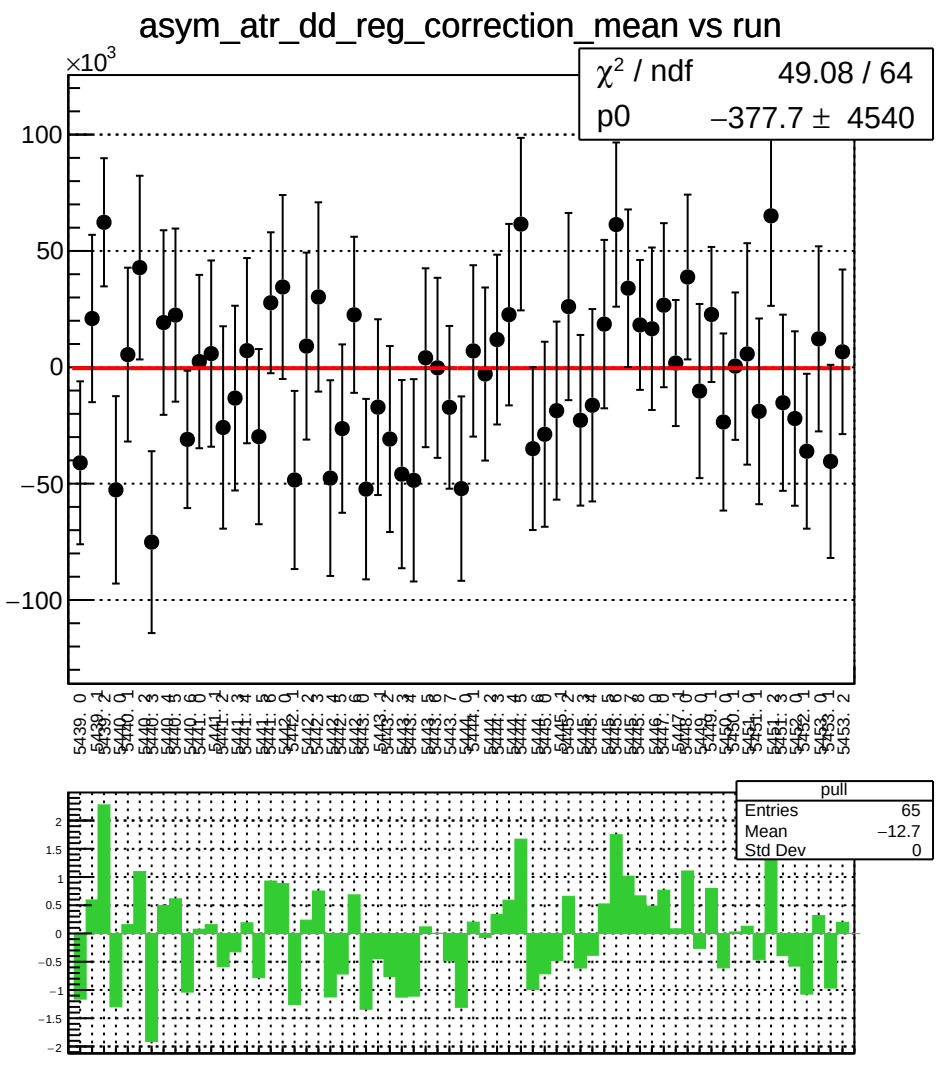

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.32 / 64
p0 −7.363e−14 ± 1.742e−13
pull
Entries 65
Mean 25.31
Std Dev 16.76
pull1D
Entries 65
Mean 0.1052
Std Dev 1.093

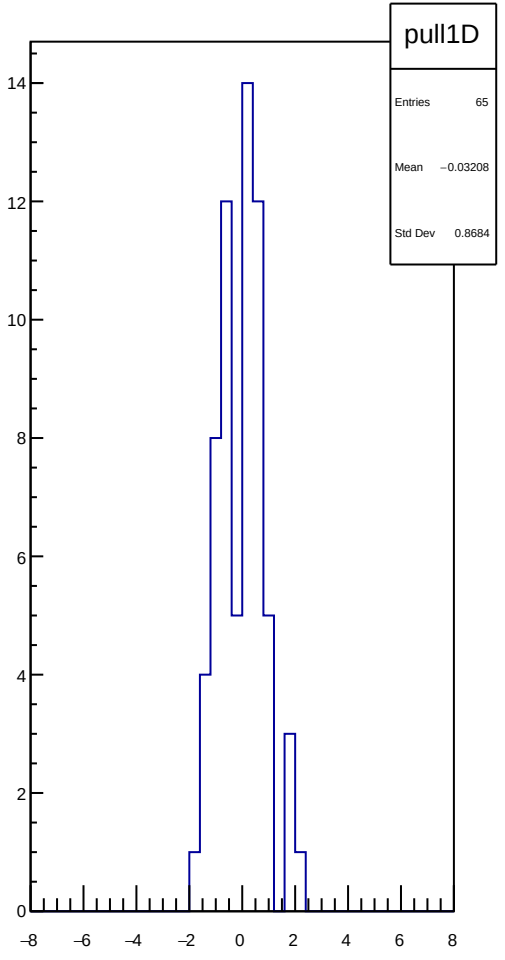

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.106e+05 / 64
p0 1.105e−10 ± 1.232e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

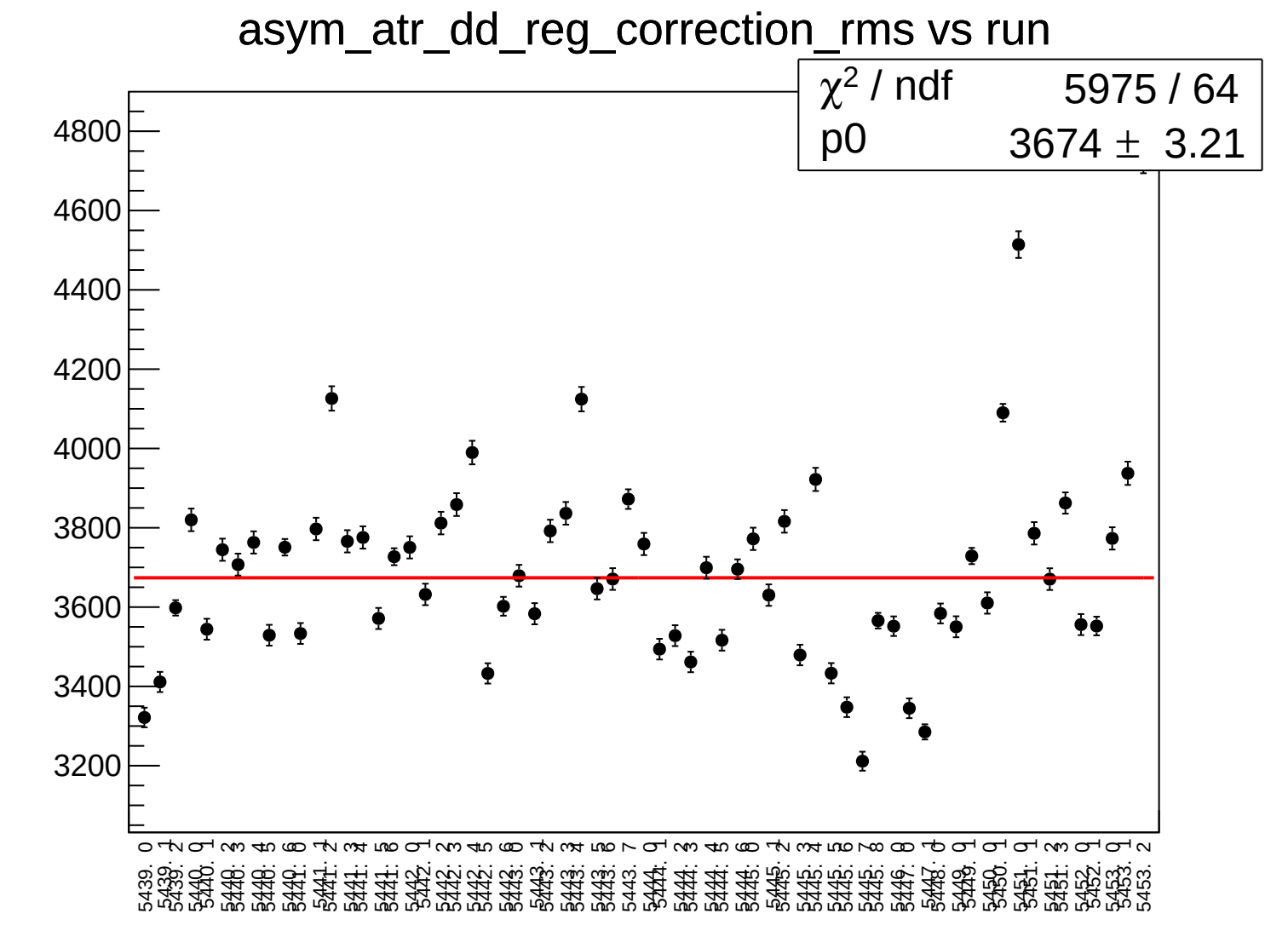

reg_asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.39 / 64
p0 1.766e+04 ± 7387
pull
Entries 65
Mean 58.39
Std Dev 41.97

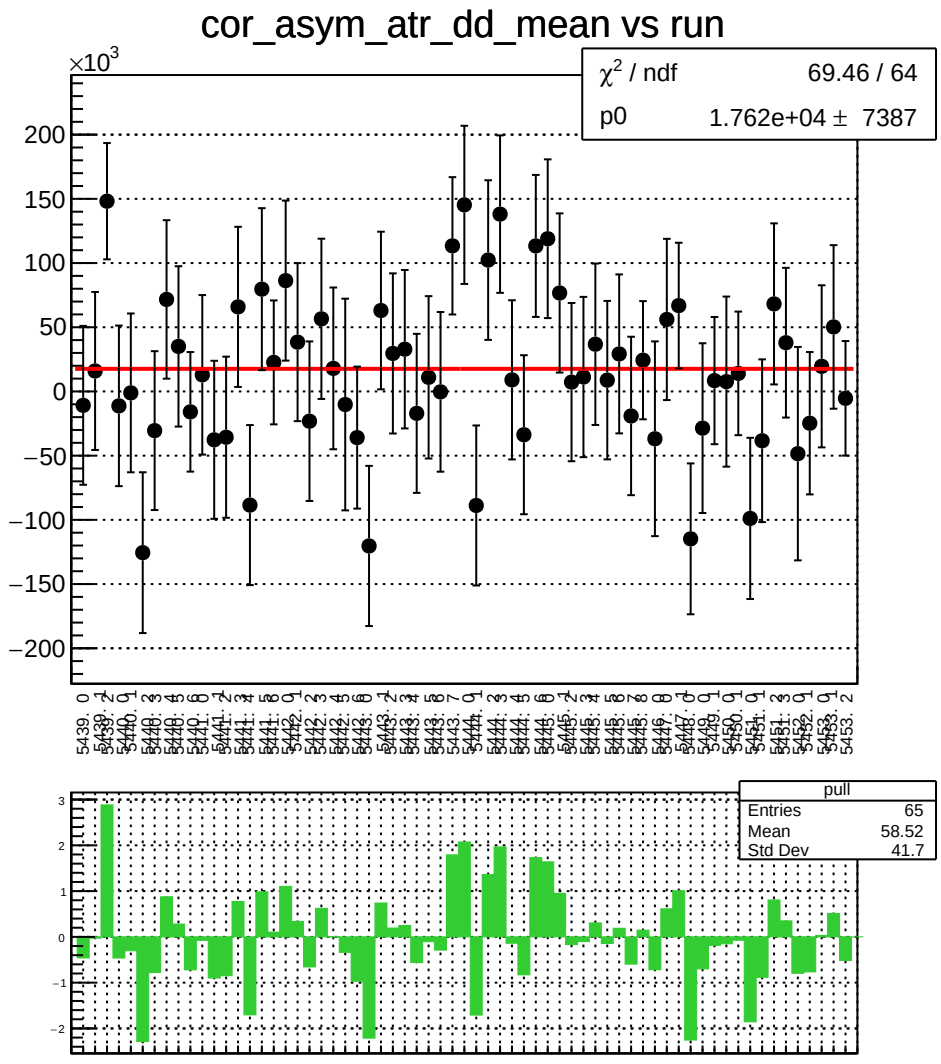

pull1D
Entries 65
Mean −0.02502
Std Dev 1.033

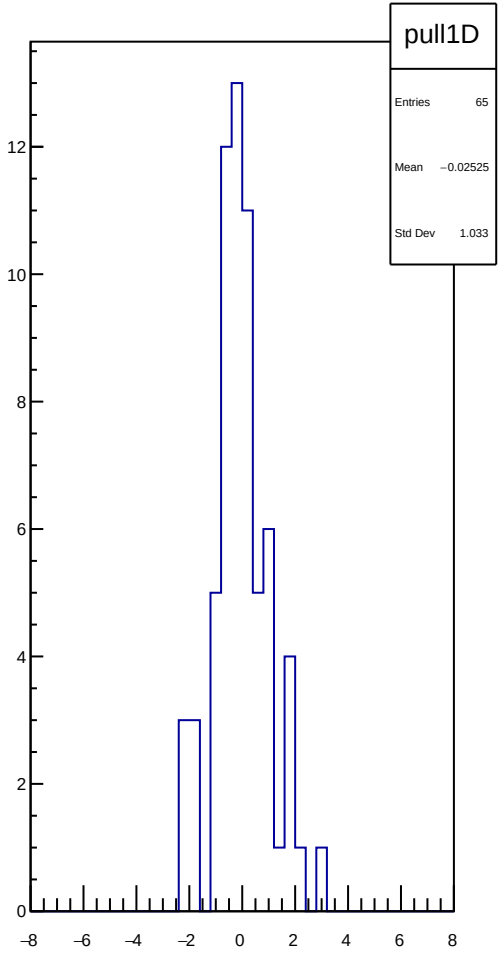

reg_asym_atr_dd_rms vs run
χ^2 / ndf 3590 / 64
p0 5983 ± 5.223
8000
7500
7000
6500
6000

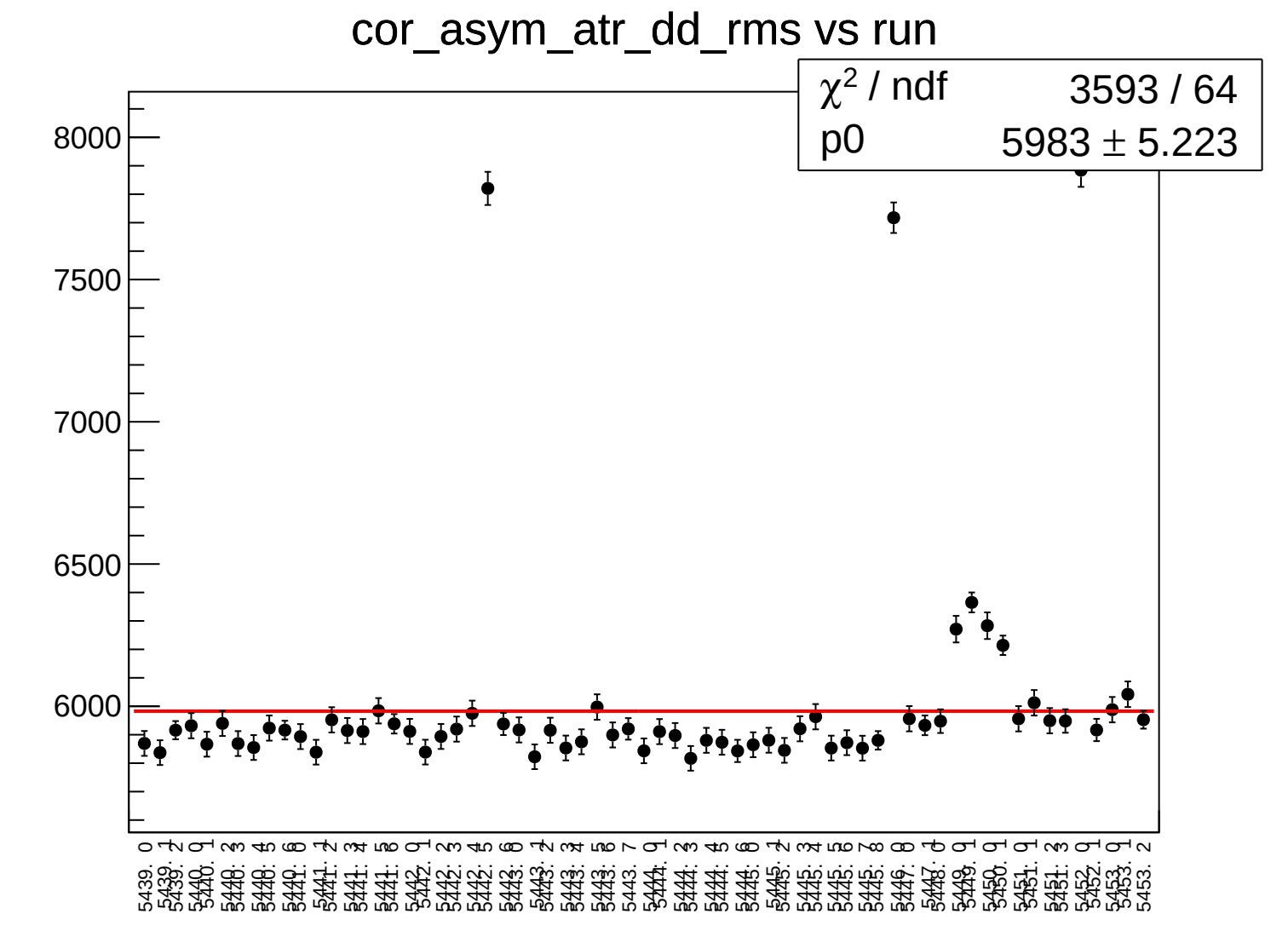

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.08 / 64
p0 −377.7 ± 4540
100
50
0
−50
−100
pull
Entries 65
Mean −12.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

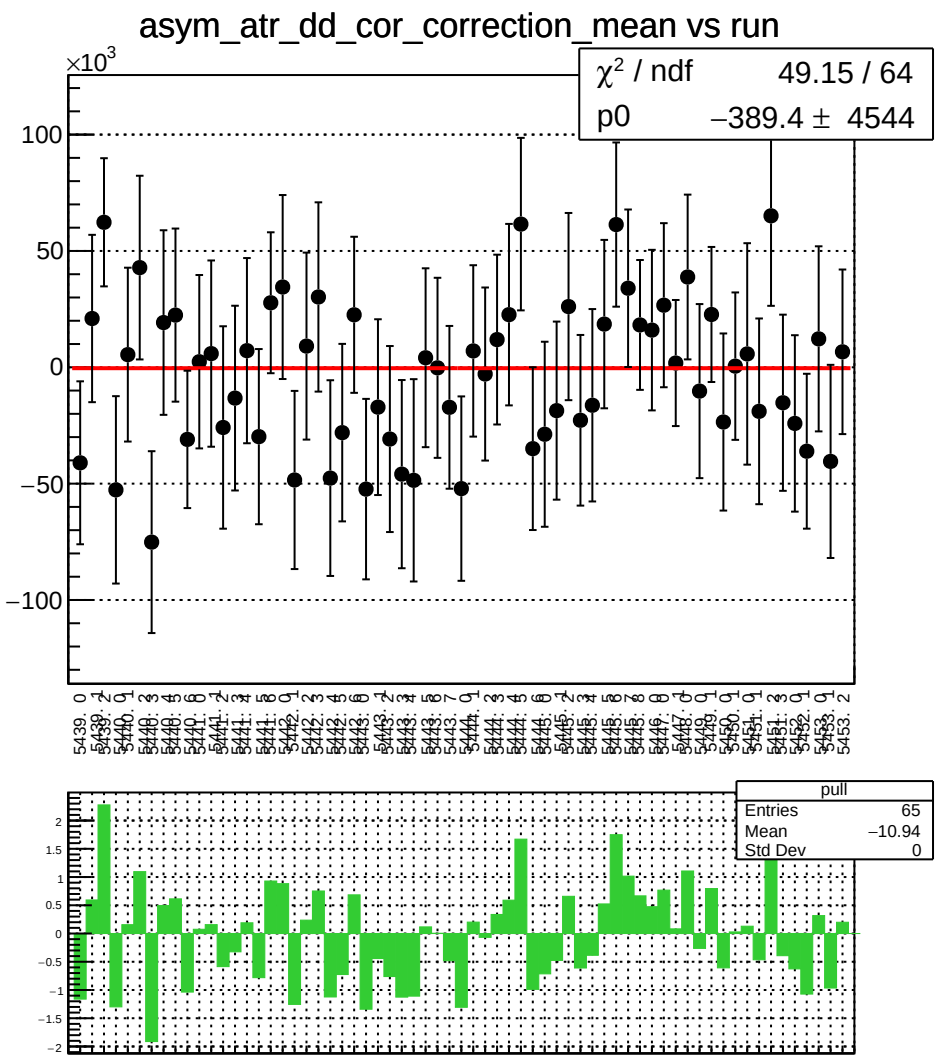

pull1D
Entries 65
Mean −0.03208
Std Dev 0.8684
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

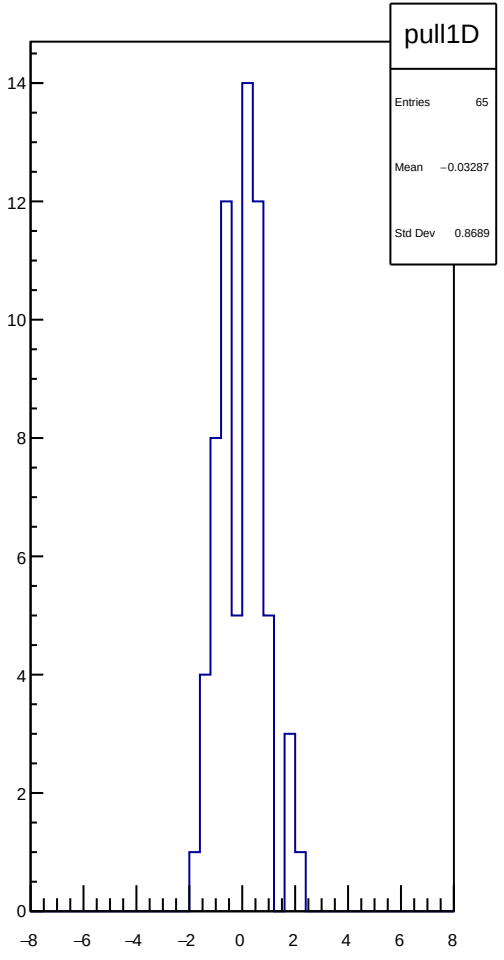

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 5975 / 64
p0 3674 ± 3.21
4800
4600
4400
4200
4000
3800
3600
3400
3200

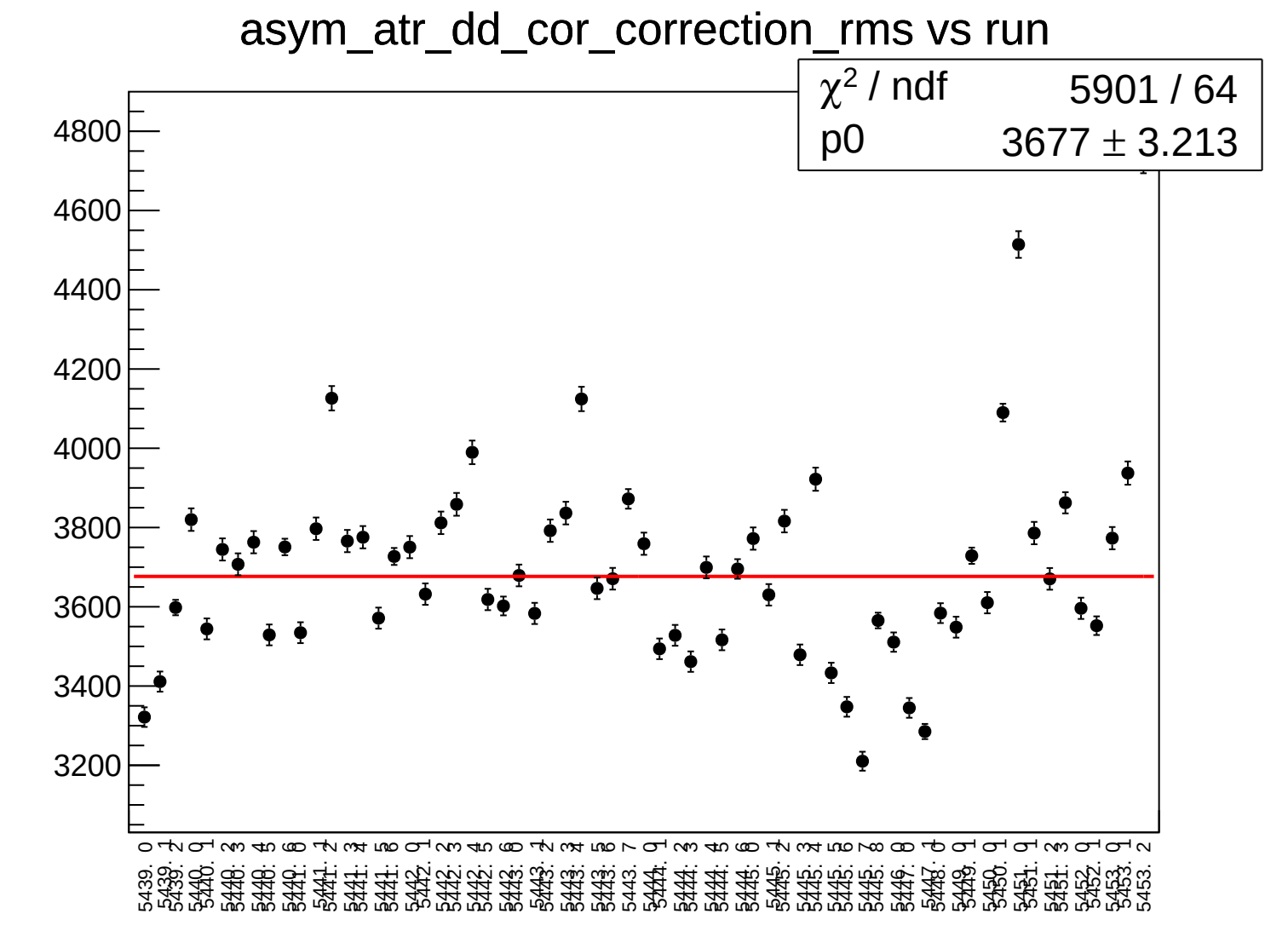

cor_asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.46 / 64
p0 1.762e+04 ± 7387
pull
Entries 65
Mean 58.52
Std Dev 41.7

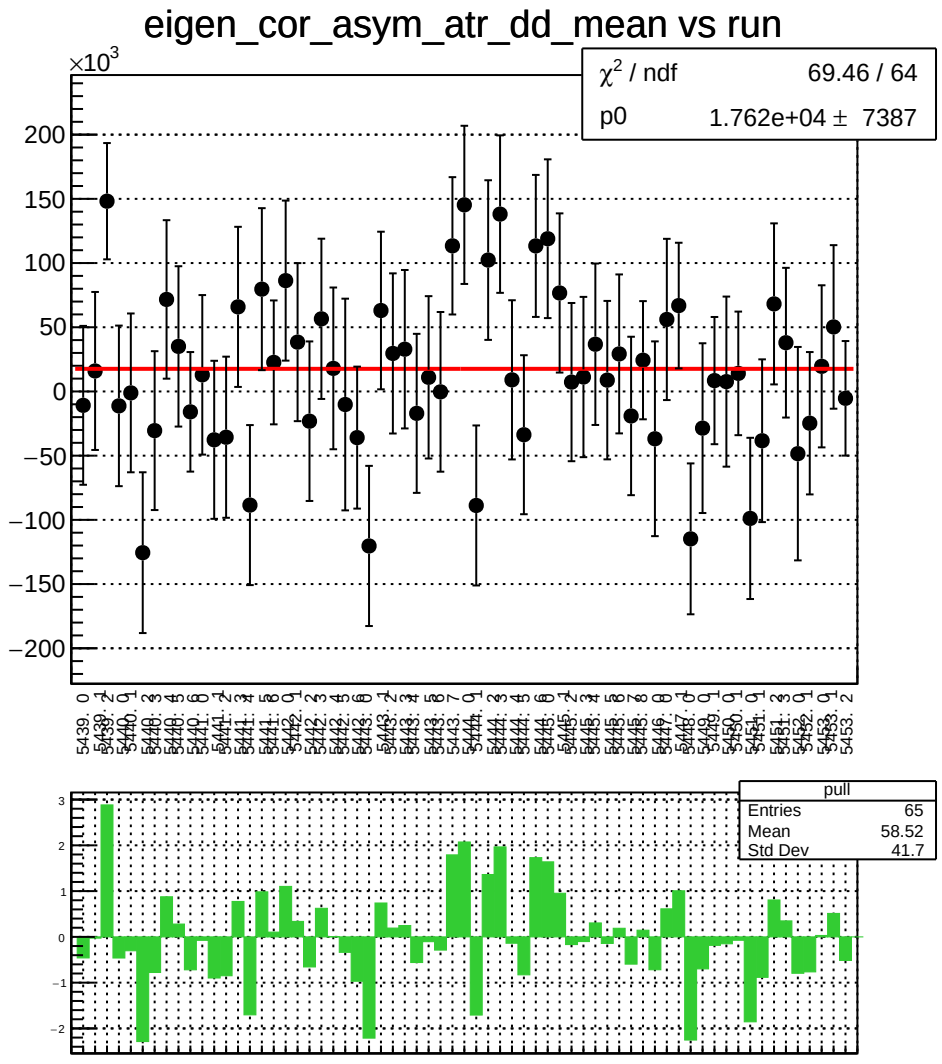

pull1D
Entries 65
Mean −0.02525
Std Dev 1.033

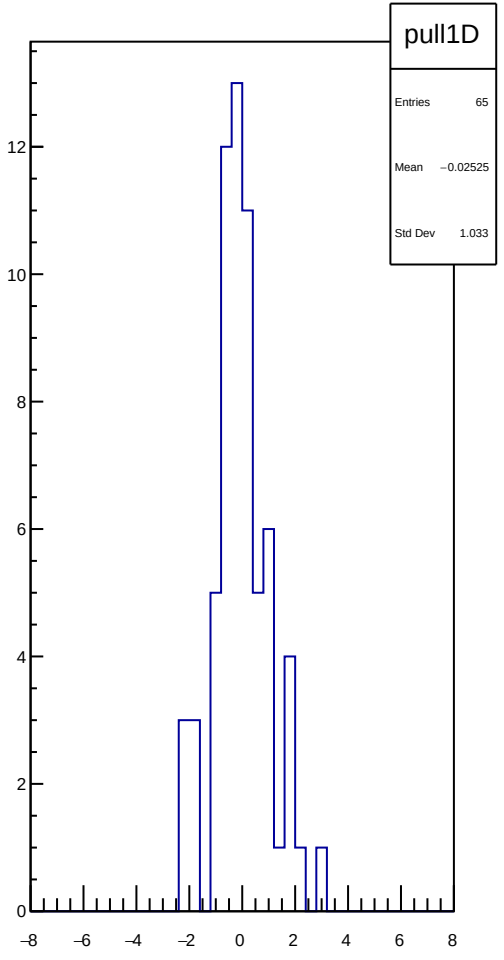

cor_asym_atr_dd_rms vs run
χ² / ndf 3593 / 64
p0 5983 ± 5.223
8000
7500
7000
6500
6000

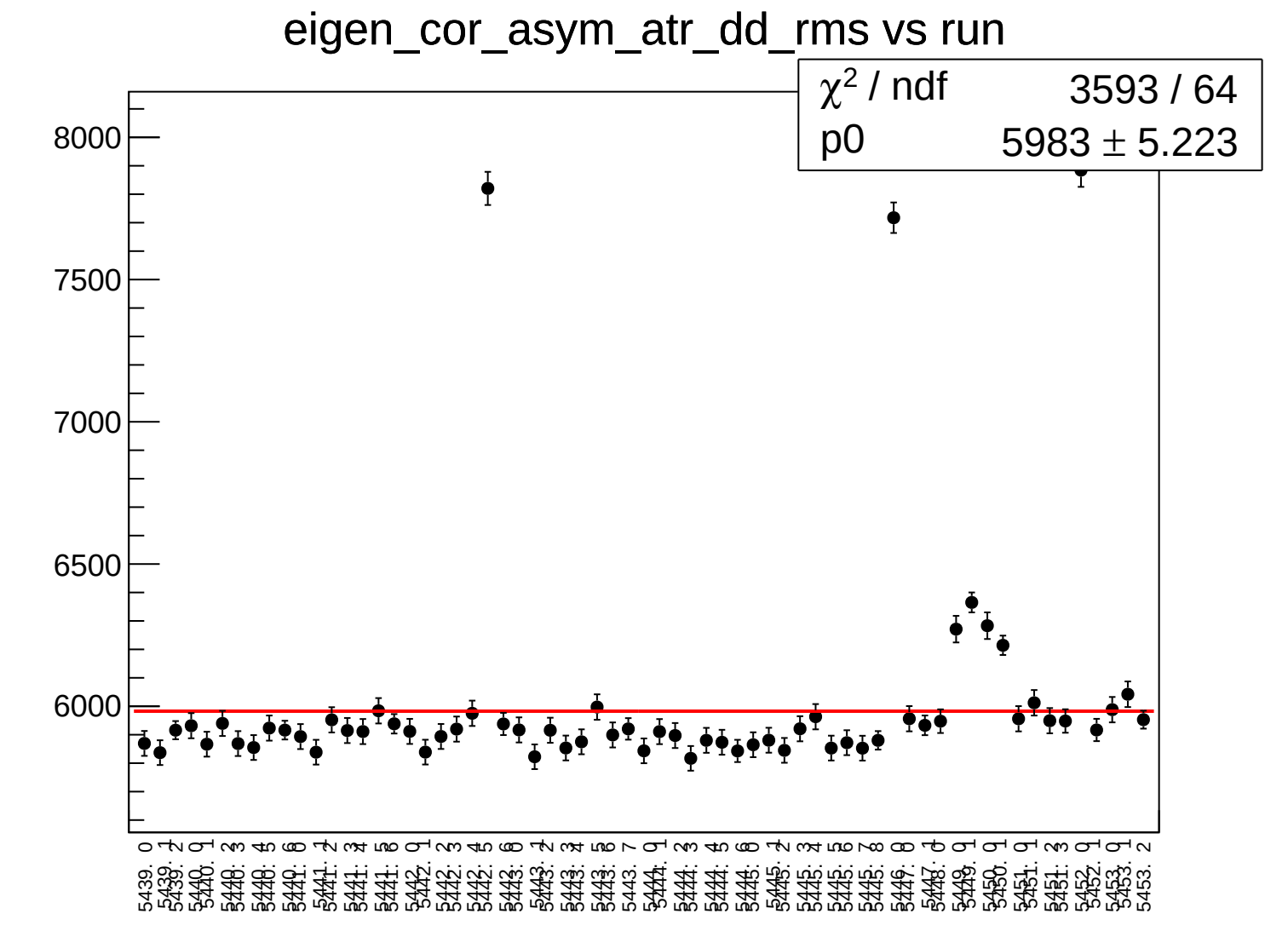

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.15 / 64
p0 −389.4 ± 4544
100
50
0
−50
−100
pull
Entries 65
Mean −10.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

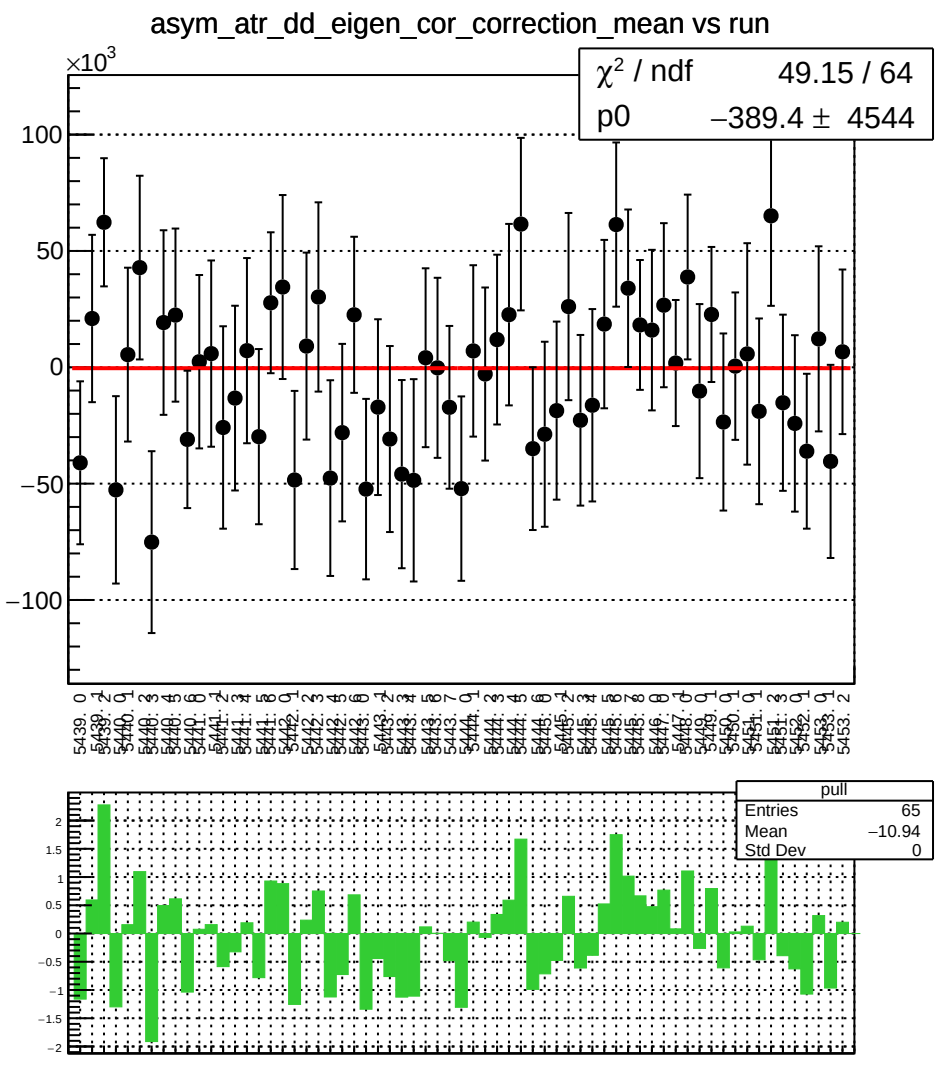

pull1D
Entries 65
Mean −0.03287
Std Dev 0.8689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

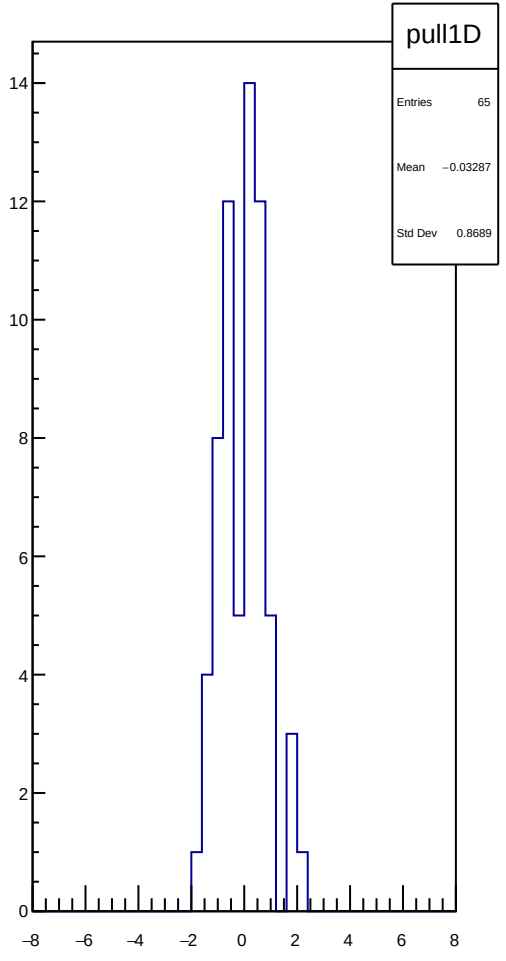

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 5901 / 64
p0 3677 ± 3.213
4800
4600
4400
4200
4000
3800
3600
3400
3200

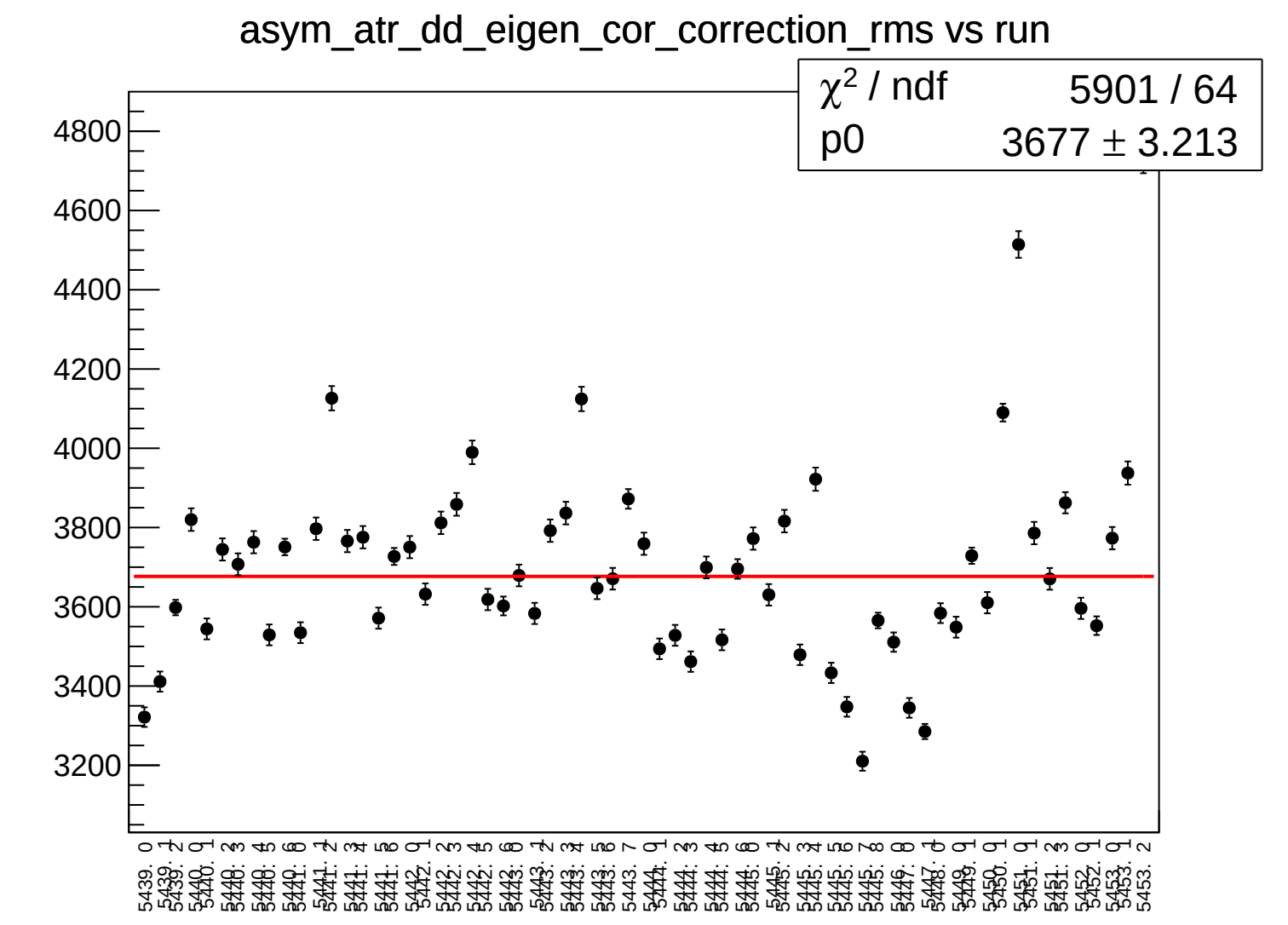

eigen_cor_asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.46 / 64
p0 1.762e+04 ± 7387
pull
Entries 65
Mean 58.52
Std Dev 41.7

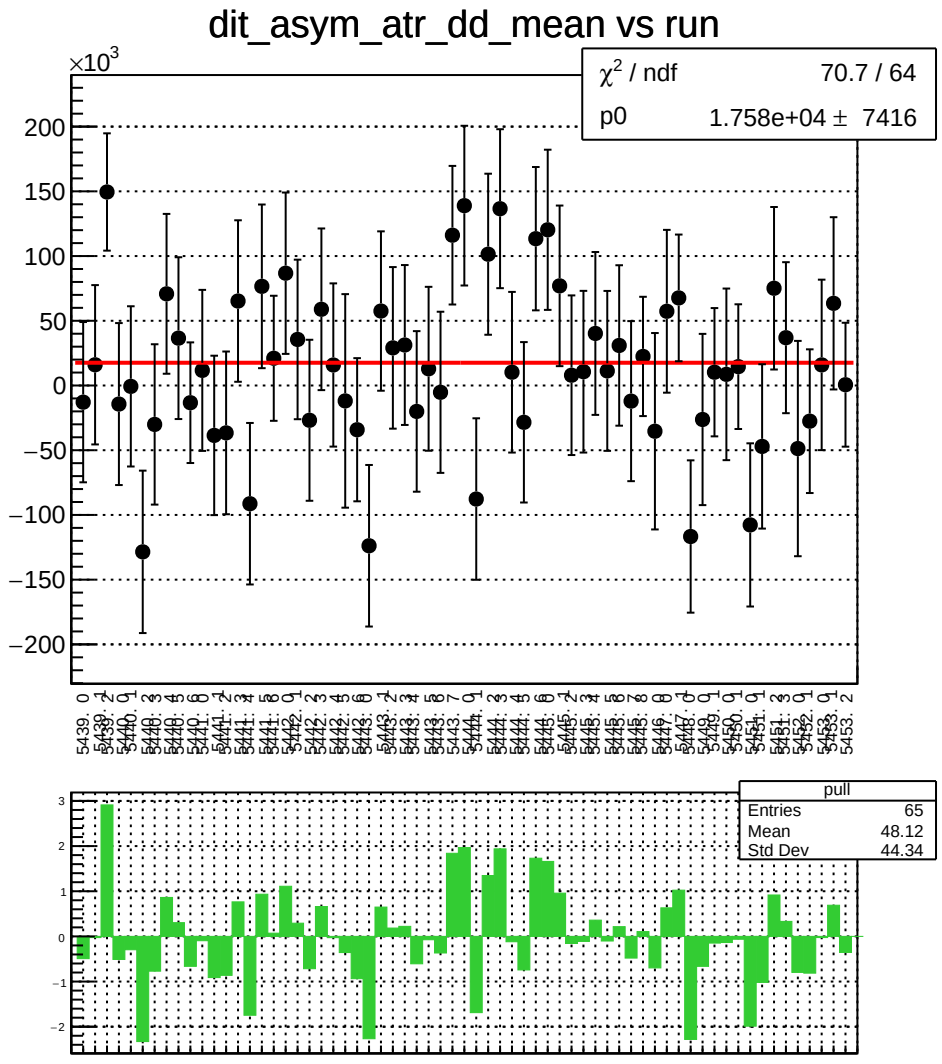

pull1D
Entries 65
Mean −0.02525
Std Dev 1.033

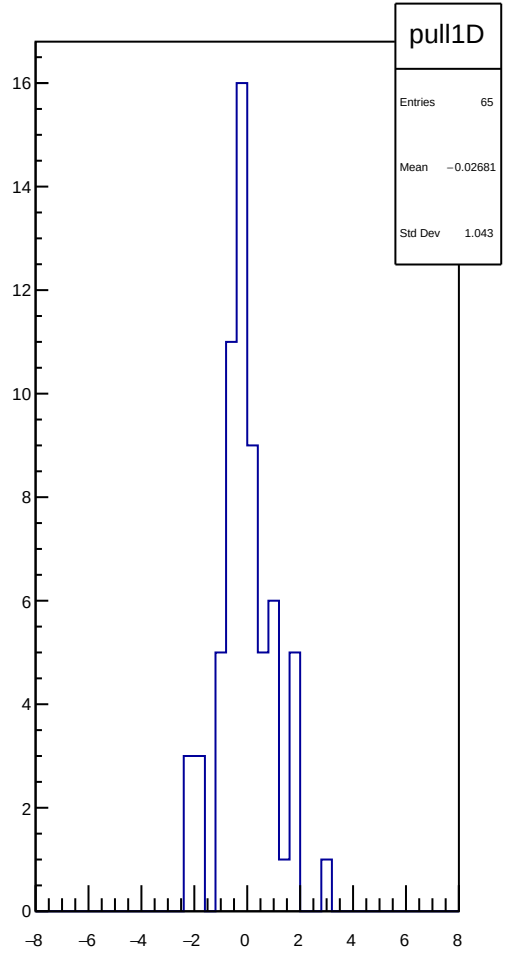

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 3593 / 64
p0 5983 ± 5.223
8000
7500
7000
6500
6000

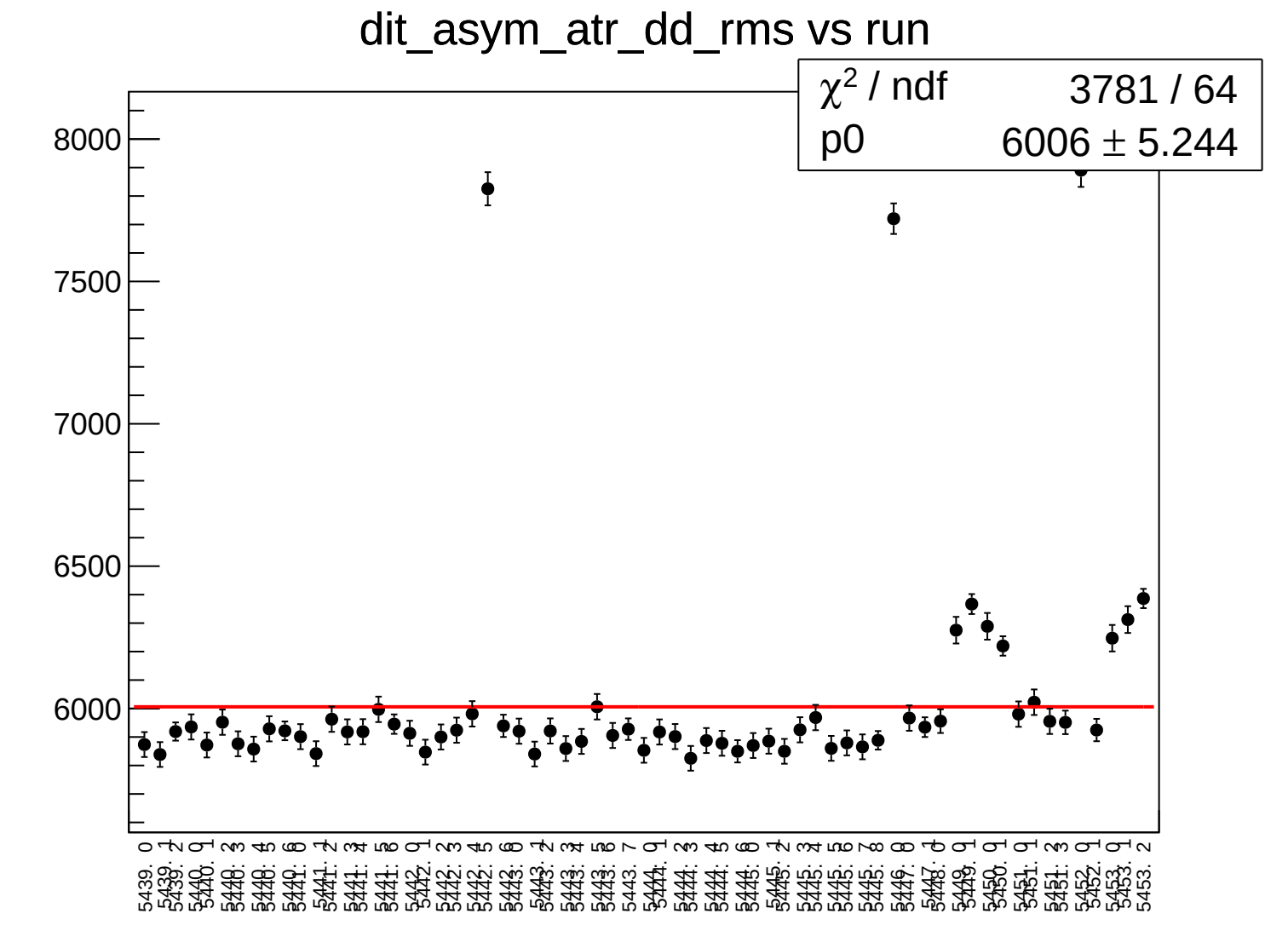

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.15 / 64
p0 −389.4 ± 4544
100
50
0
−50
−100
pull
Entries 65
Mean −10.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

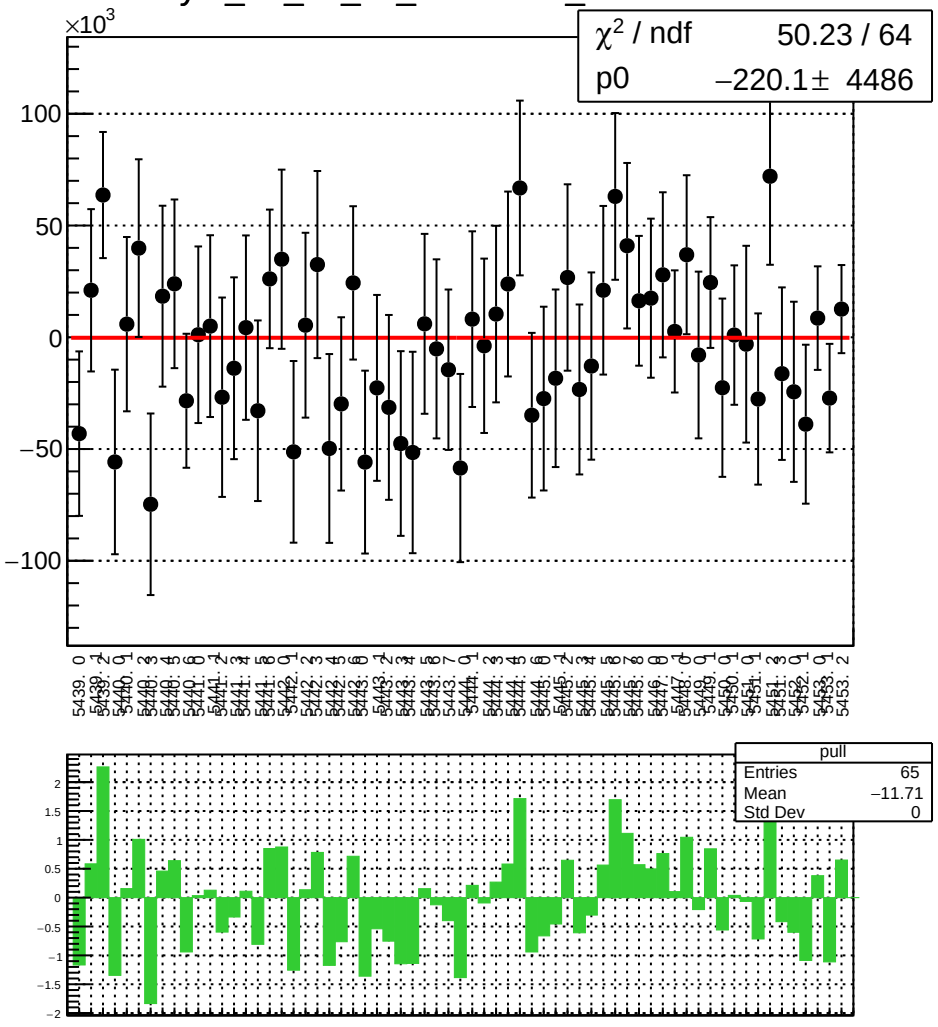

pull1D
Entries 65
Mean −0.03287
Std Dev 0.8689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

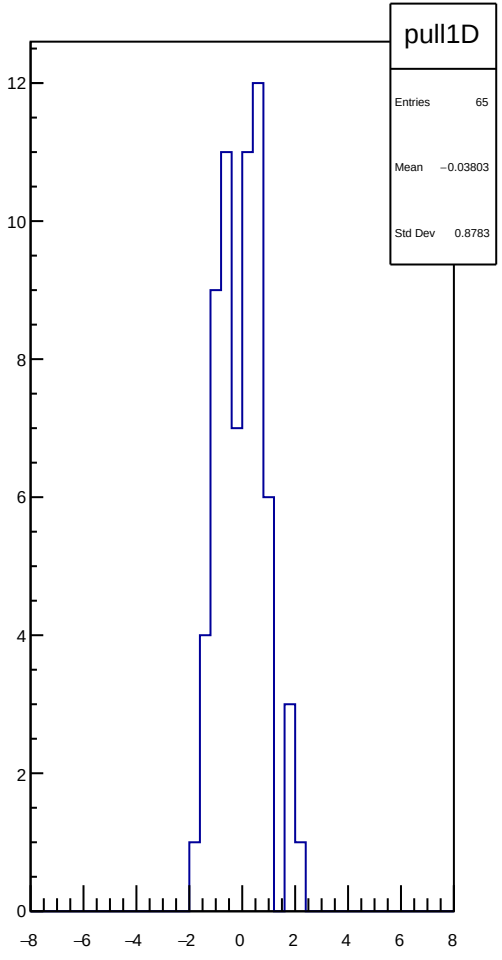

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 5901 / 64
p0 3677 ± 3.213
4800
4600
4400
4200
4000
3800
3600
3400
3200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

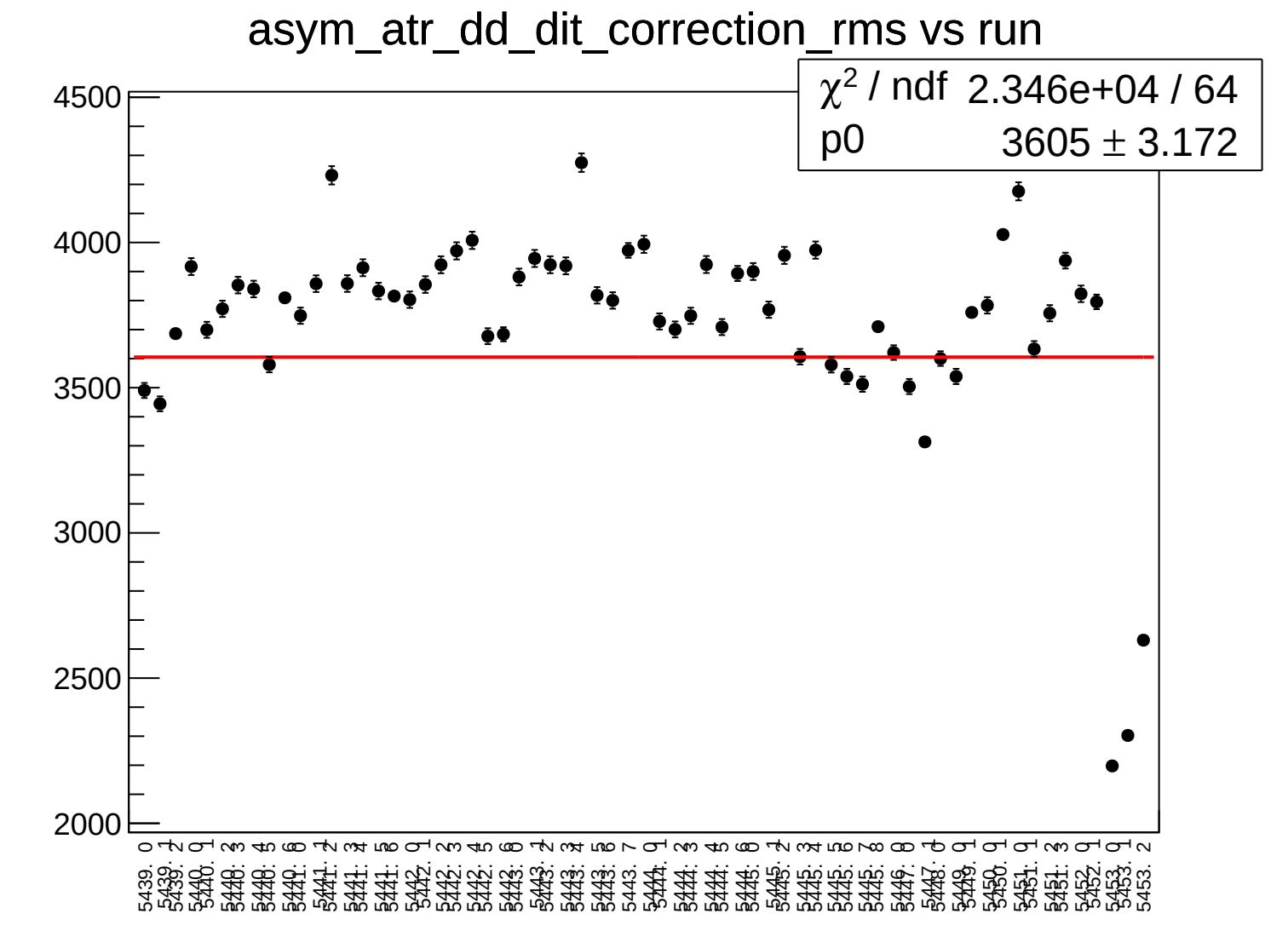

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 70.7 / 64
p0 1.758e+04 ± 7416
pull
Entries 65
Mean 48.12
Std Dev 44.34

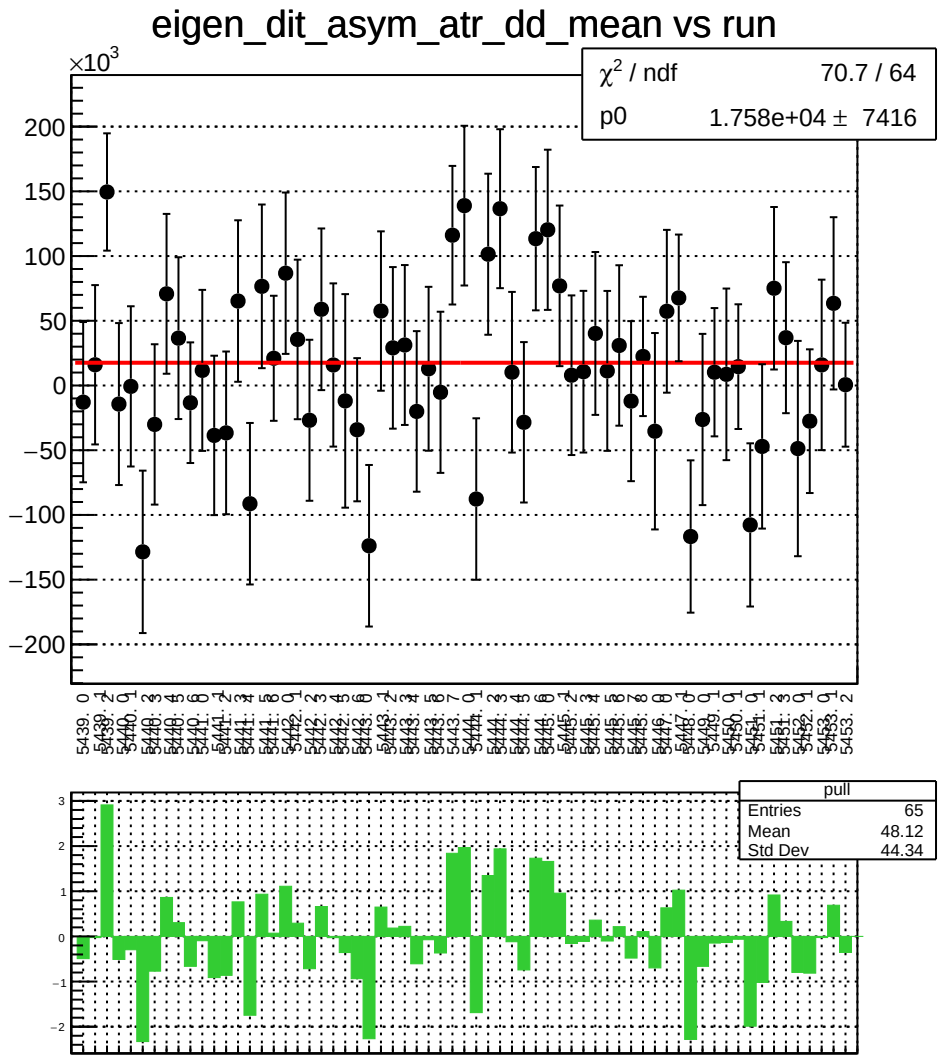

pull1D
Entries 65
Mean −0.02681
Std Dev 1.043

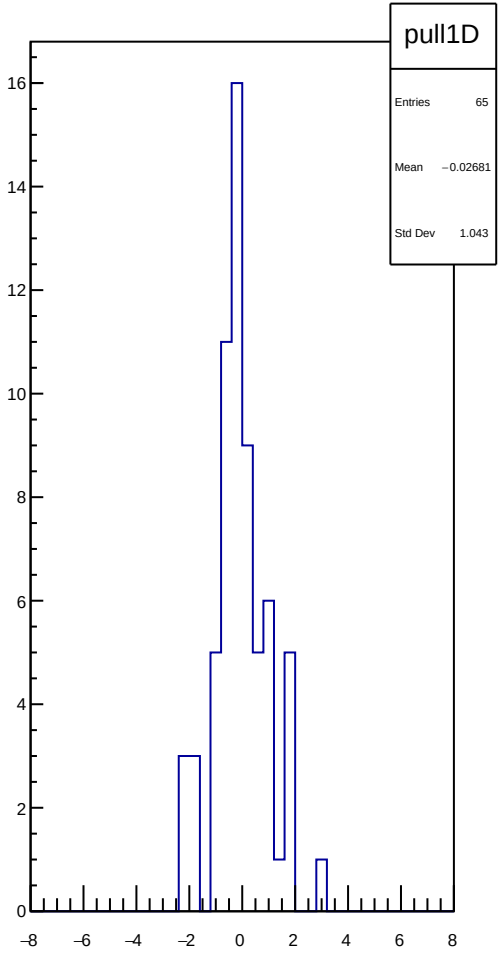

dit_asym_atr_dd_rms vs run
χ² / ndf 3781 / 64
p0 6006 ± 5.244
8000
7500
7000
6500
6000

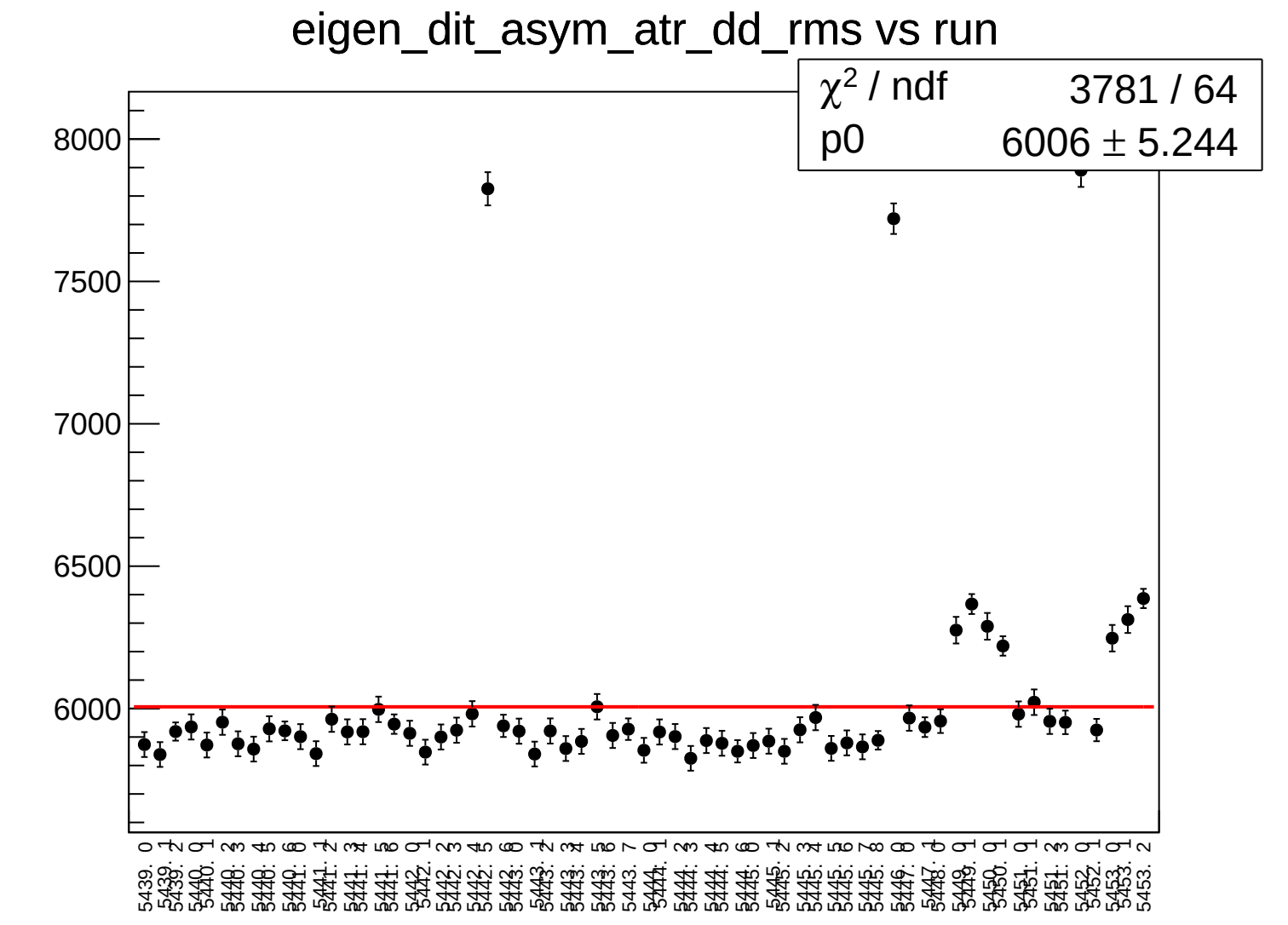

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 50.23 / 64
p0 −220.1± 4486
100
50
0
−50
−100
pull
Entries 65
Mean −11.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

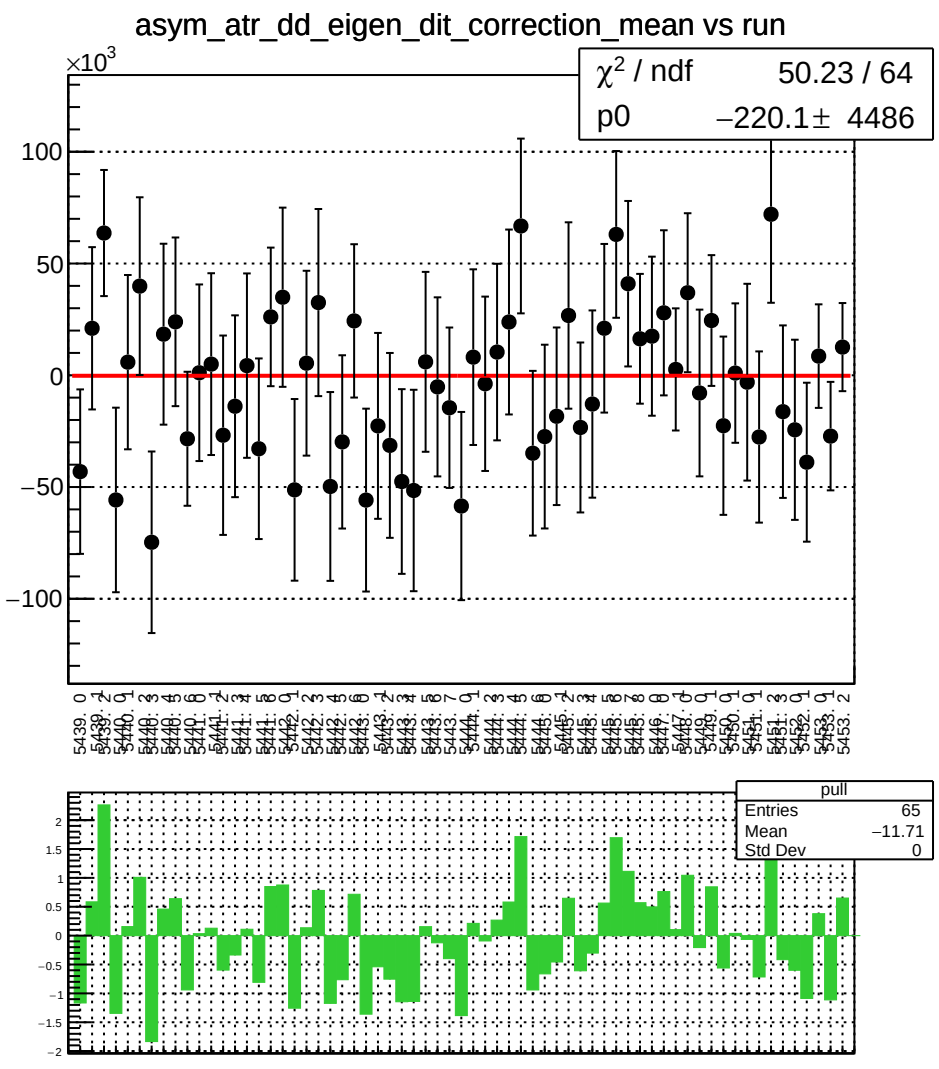

pull1D
Entries 65
Mean −0.03803
Std Dev 0.8783
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

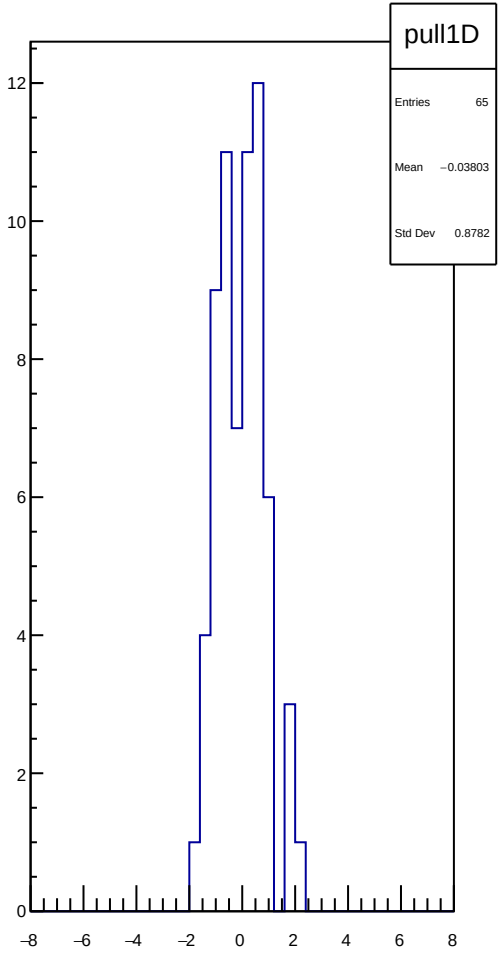

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 2.346e+04 / 64
p0 3605 ± 3.172
4500
4000
3500
3000
2500
2000

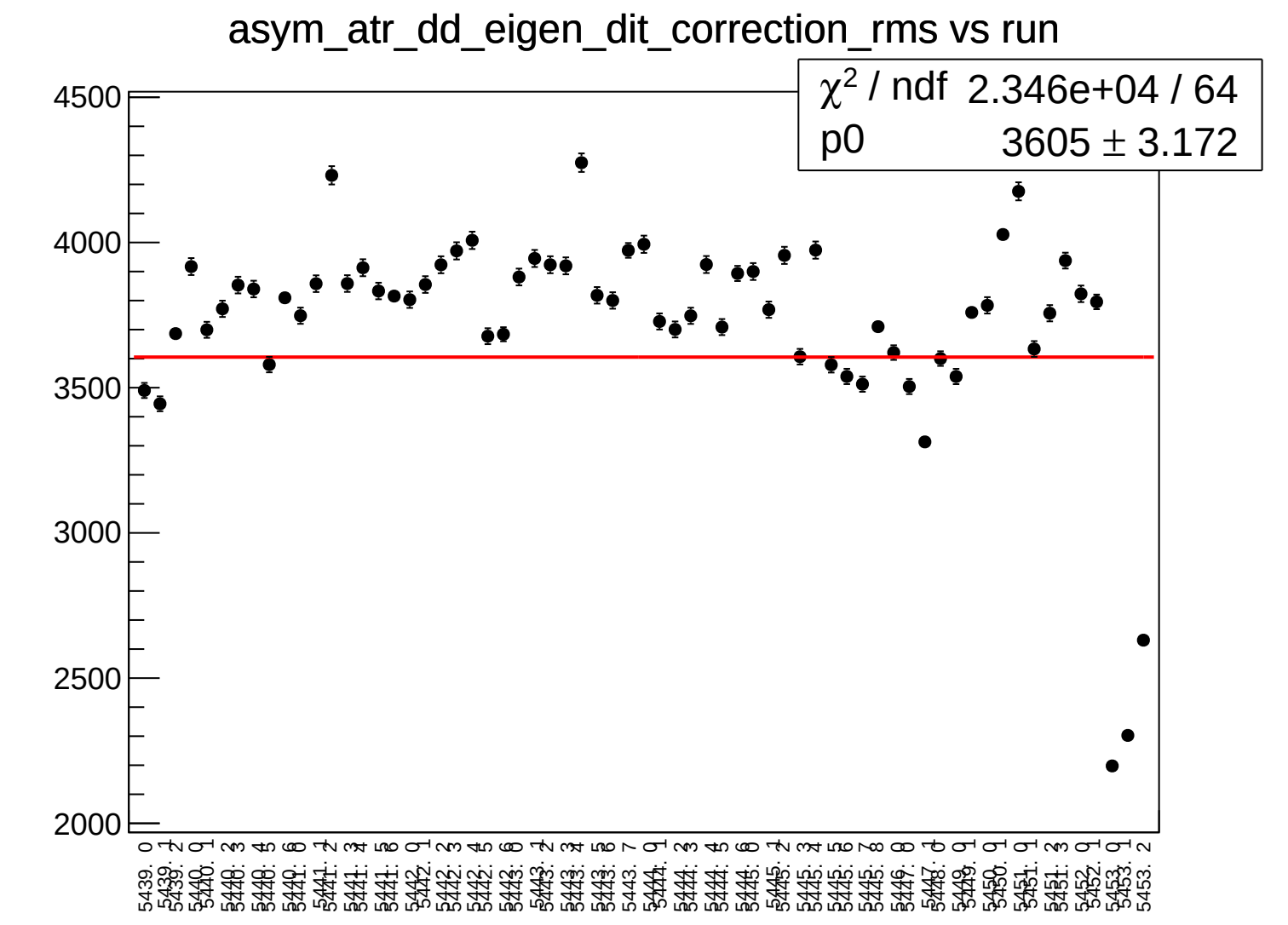

eigen_dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 70.7 / 64
p0 1.758e+04 ± 7416
pull
Entries 65
Mean 48.12
Std Dev 44.34

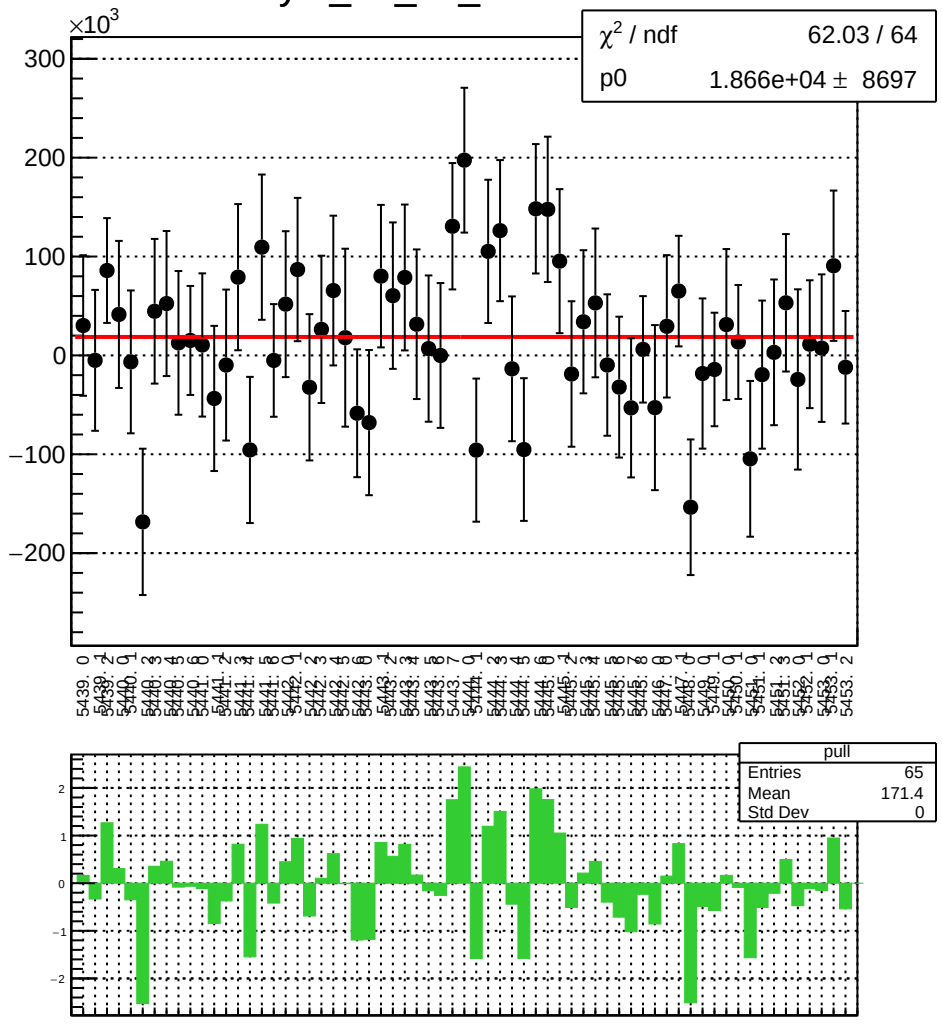

pull1D
Entries 65
Mean −0.02681
Std Dev 1.043

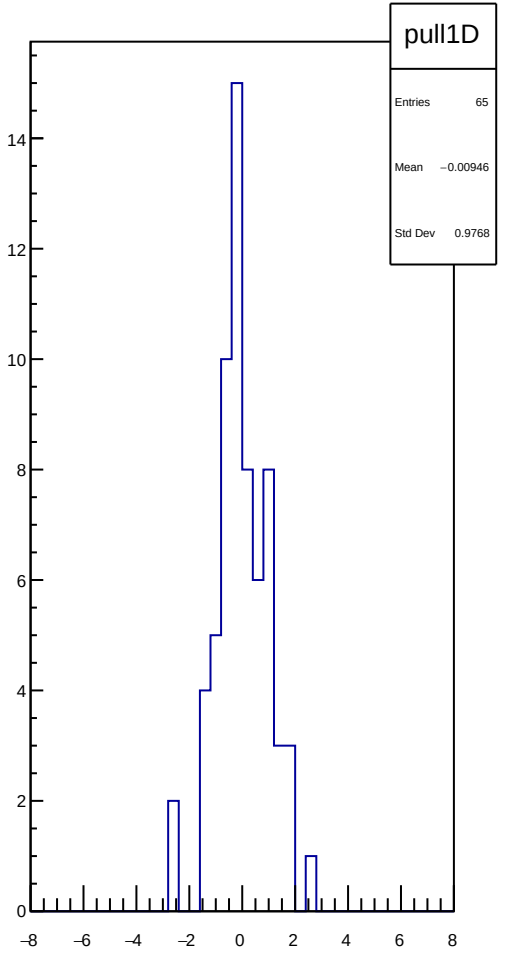

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 3781 / 64
p0 6006 ± 5.244
8000
7500
7000
6500
6000

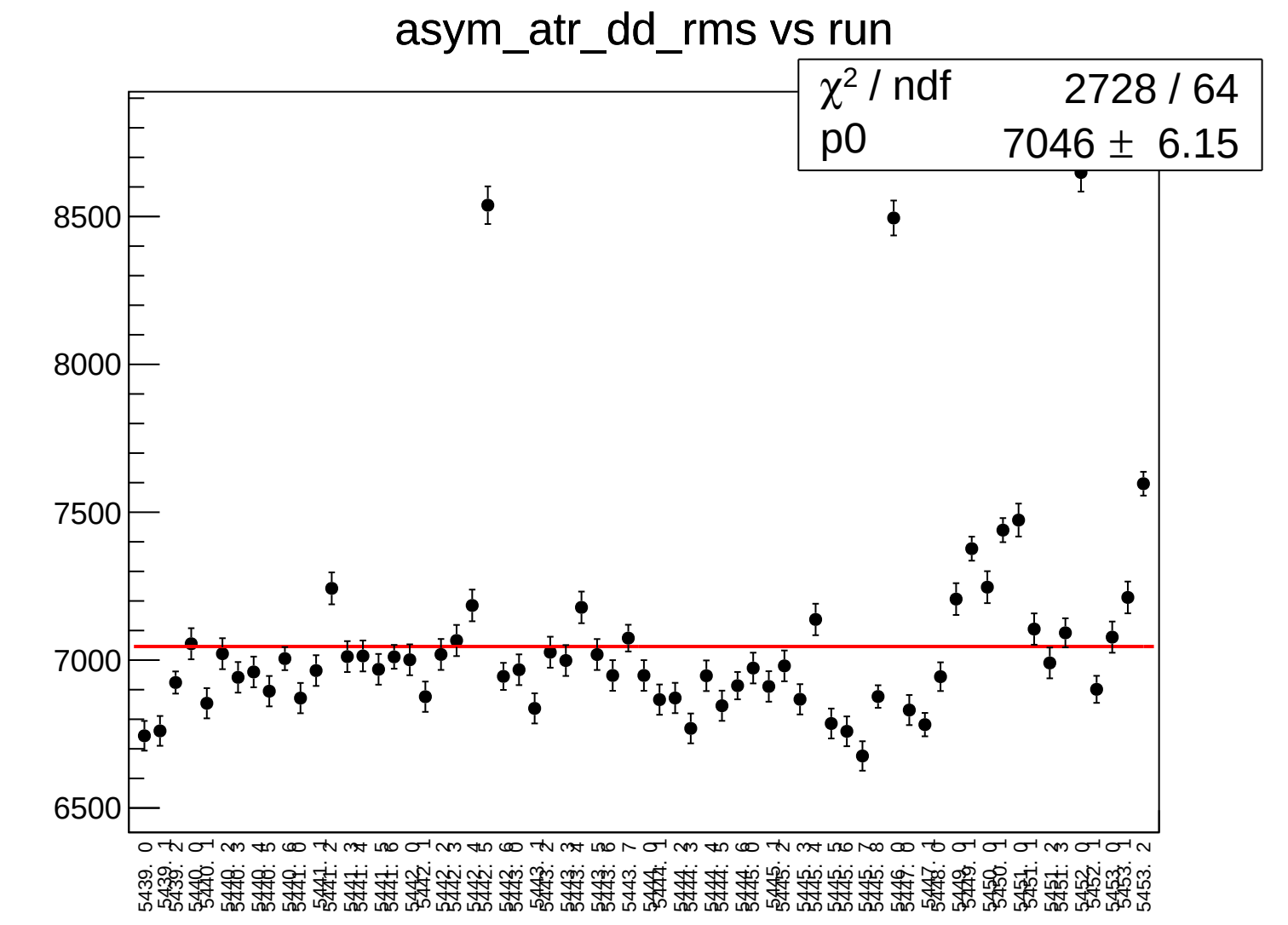

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.23 / 64
p0 −220.1± 4486
100
50
0
−50
−100
pull
Entries 65
Mean −11.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

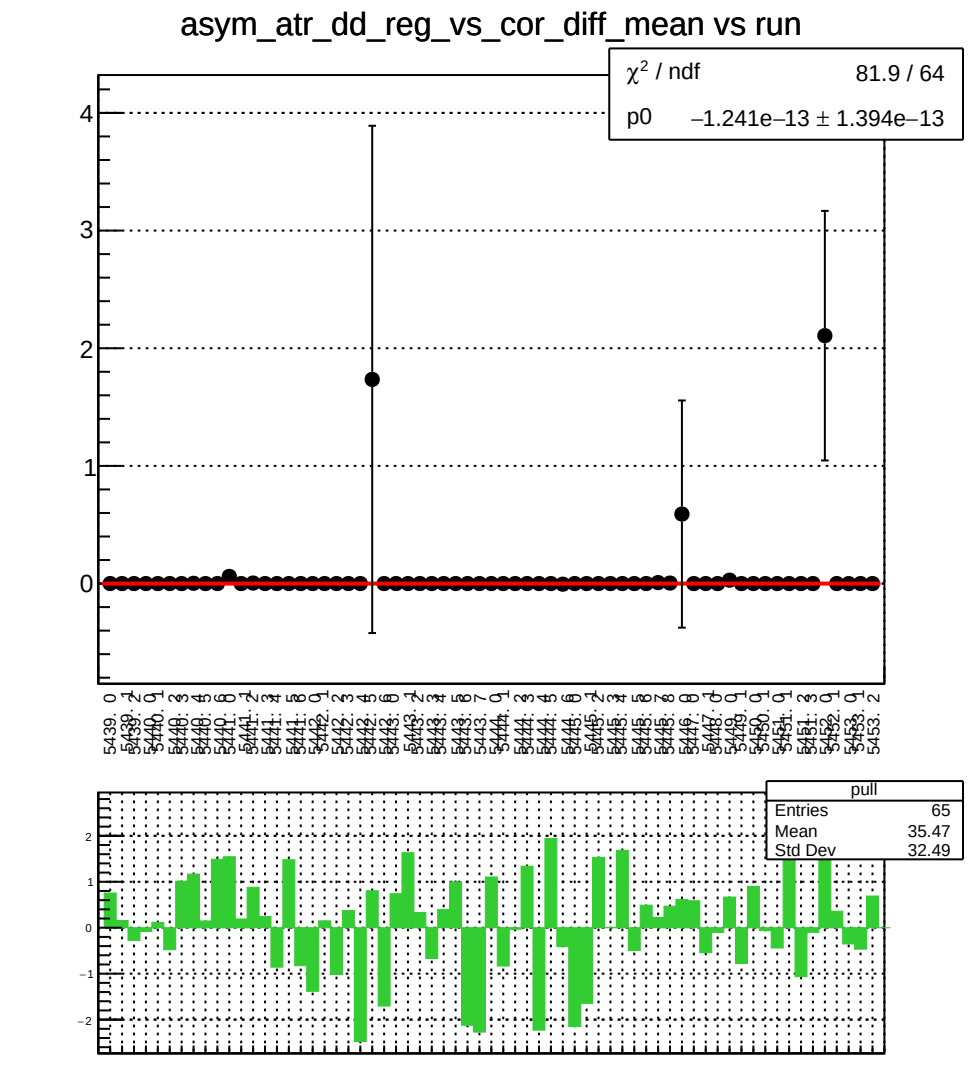

pull1D
Entries 65
Mean −0.03803
Std Dev 0.8782
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

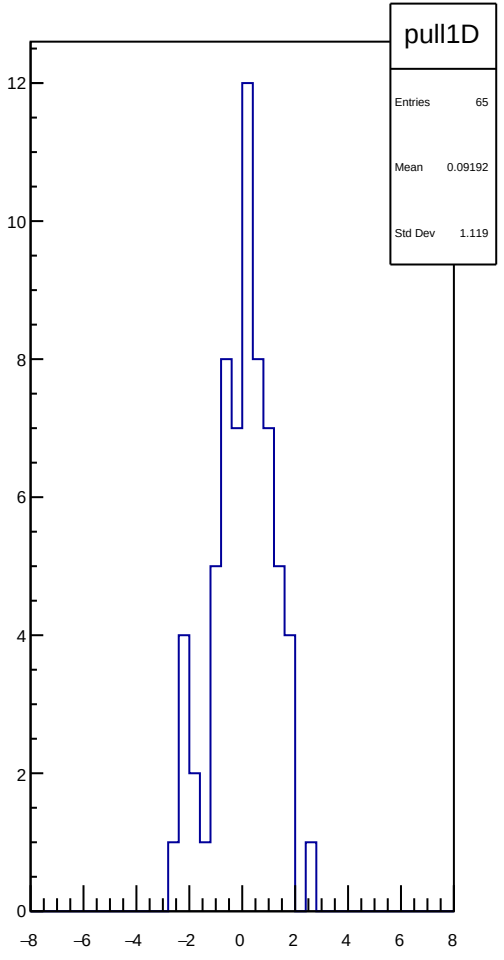

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.346e+04 / 64
p0 3605 ± 3.172
4500
4000
3500
3000
2500
2000

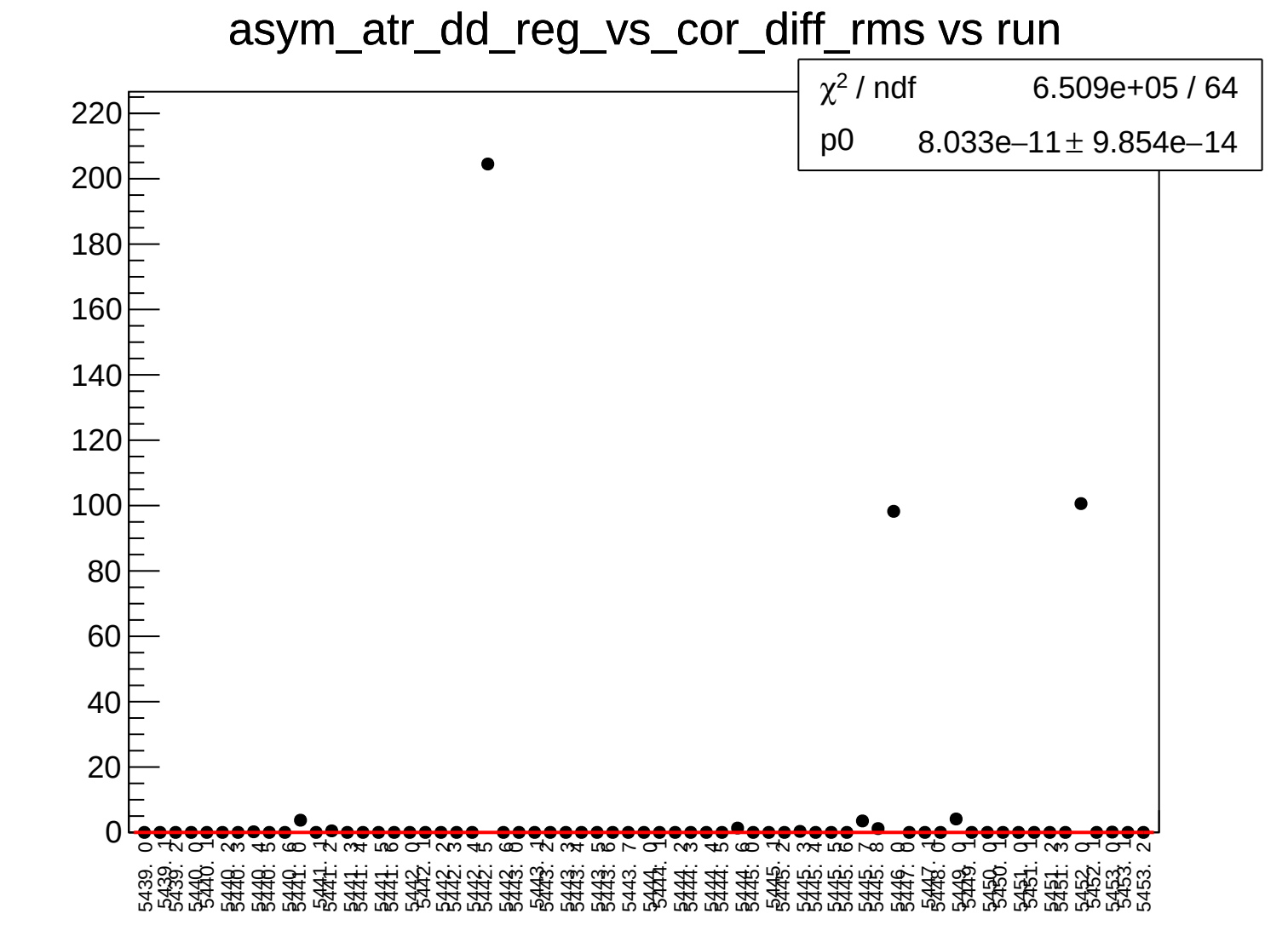

asym_atr_dd_mean vs run
×10^3
χ² / ndf 62.03 / 64
p0 1.866e+04 ± 8697
pull
Entries 65
Mean 171.4
Std Dev 0

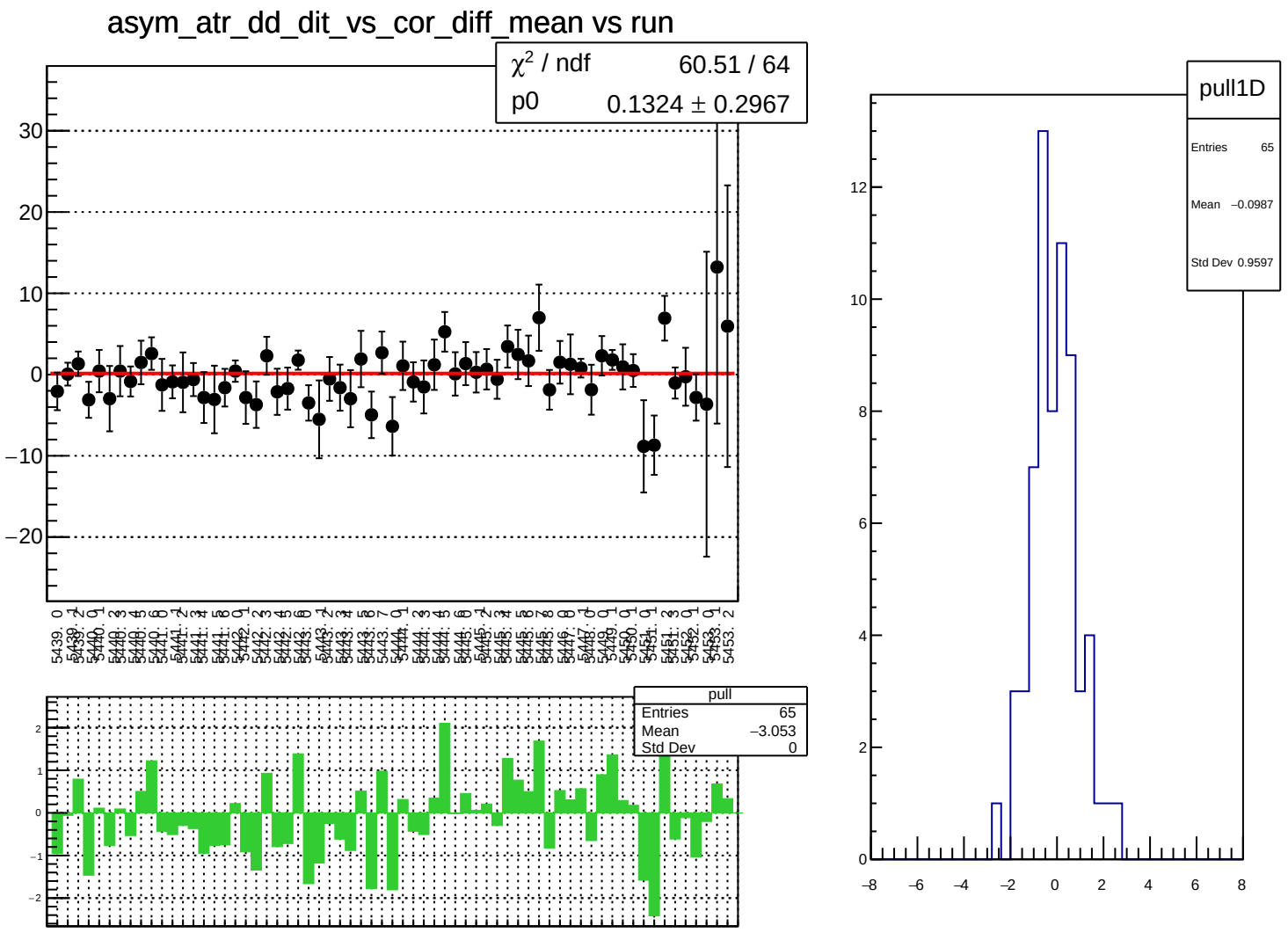

pull1D
Entries 65
Mean −0.00946
Std Dev 0.9768

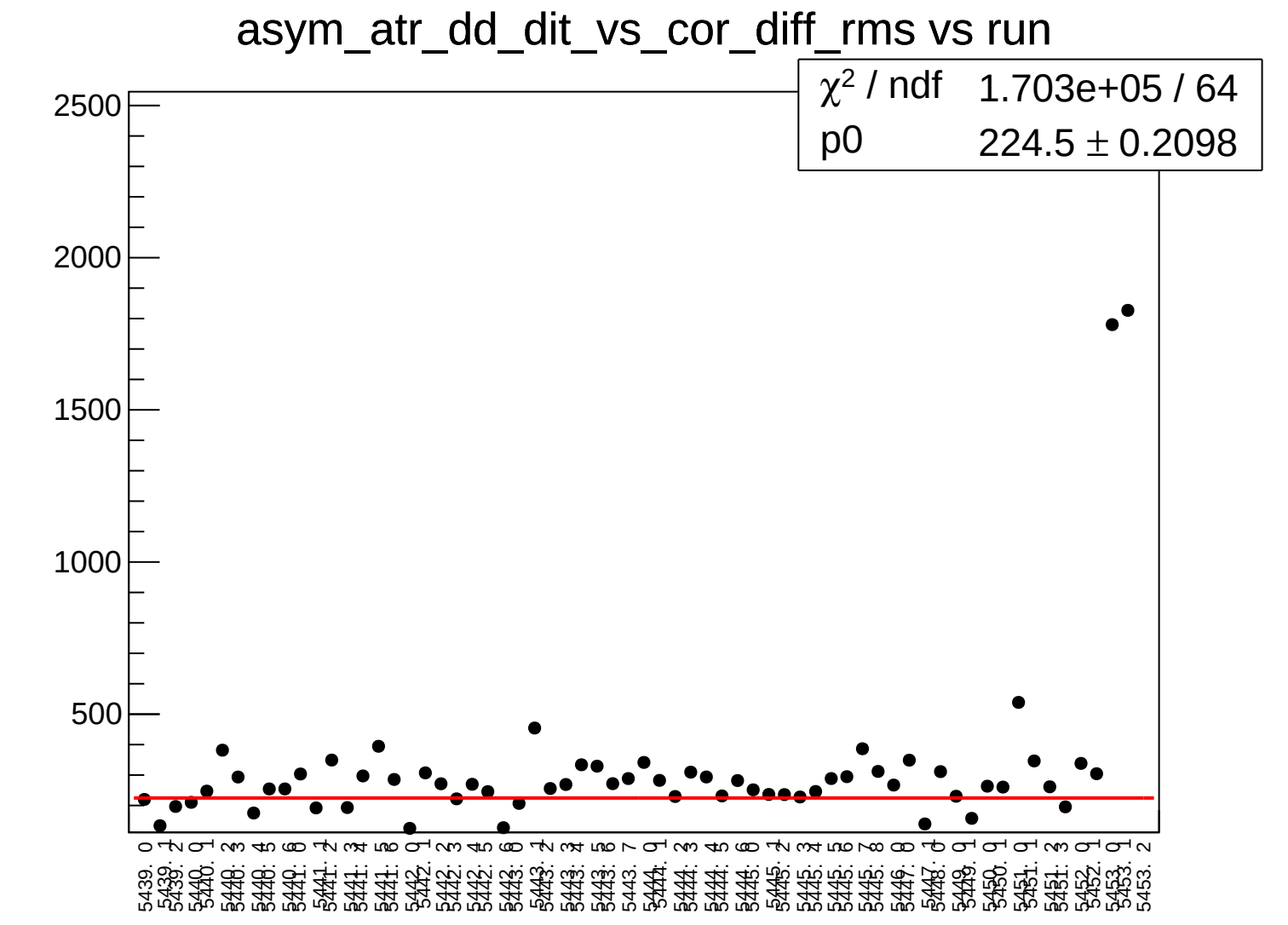

asym_atr_dd_rms vs run
χ² / ndf 2728 / 64
p0 7046 ± 6.15
8500
8000
7500
7000
6500
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

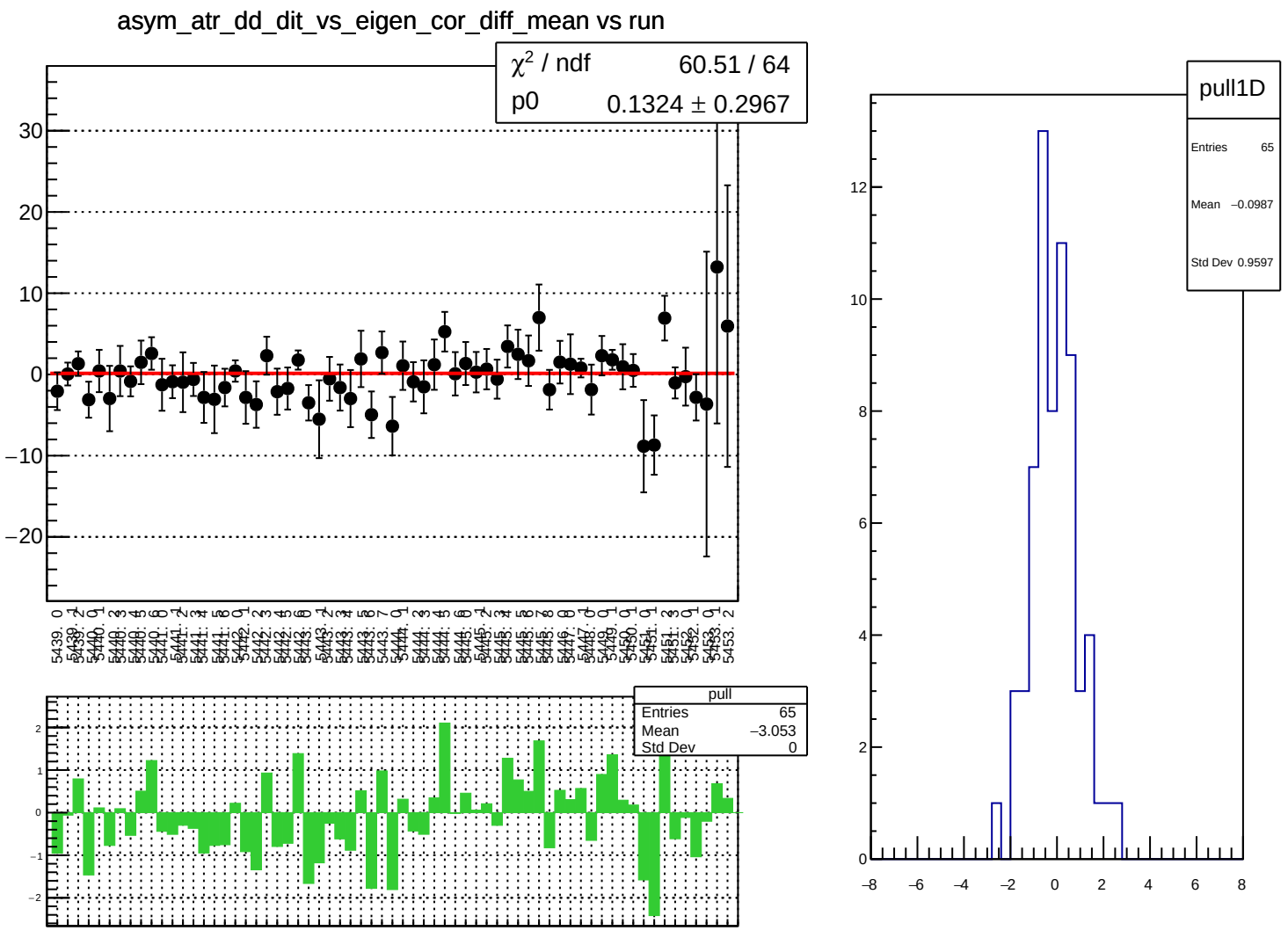

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.9 / 64
p0 −1.241e−13 ± 1.394e−13
pull
Entries 65
Mean 35.47
Std Dev 32.49

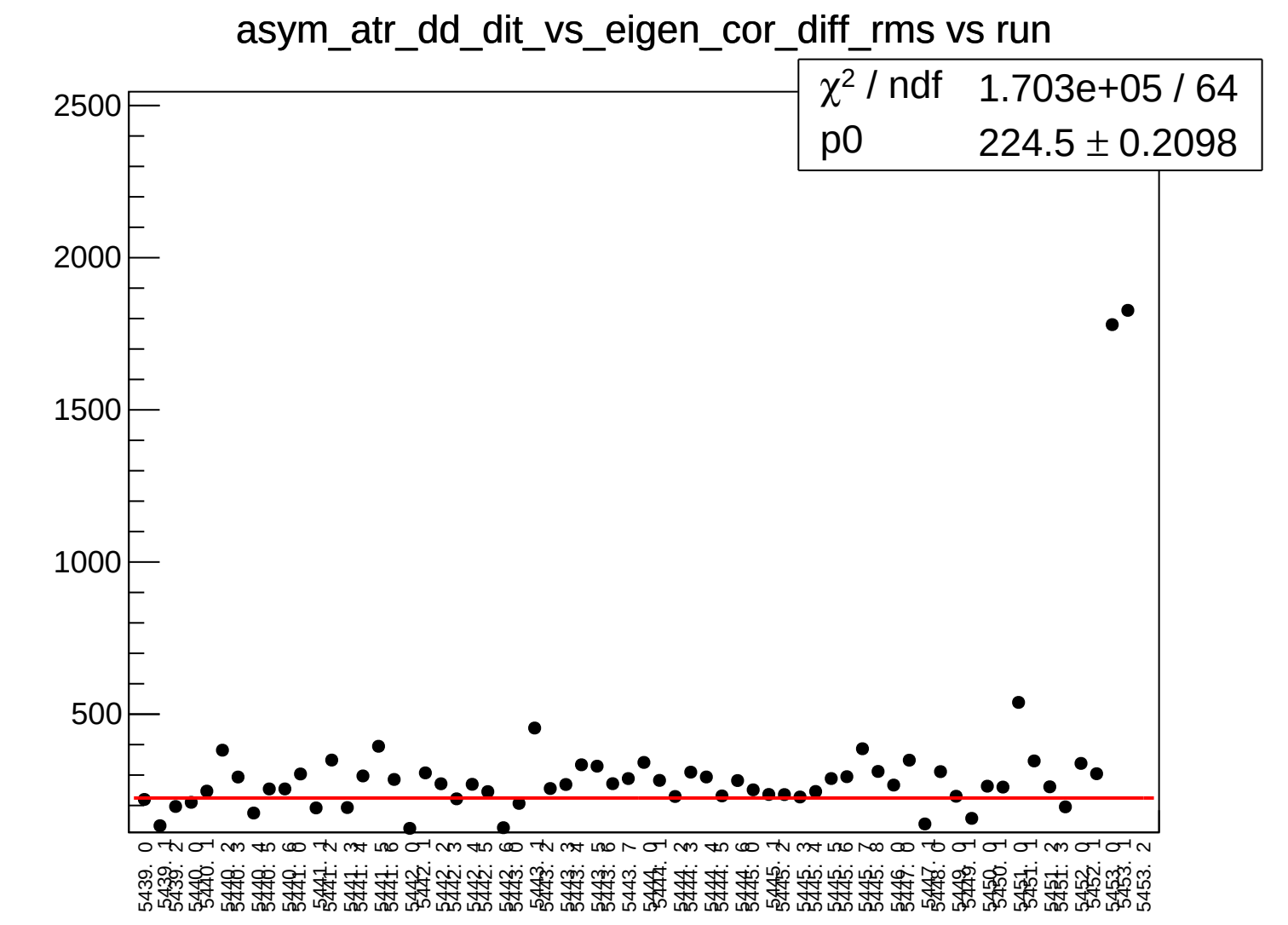

pull1D
Entries 65
Mean 0.09192
Std Dev 1.119

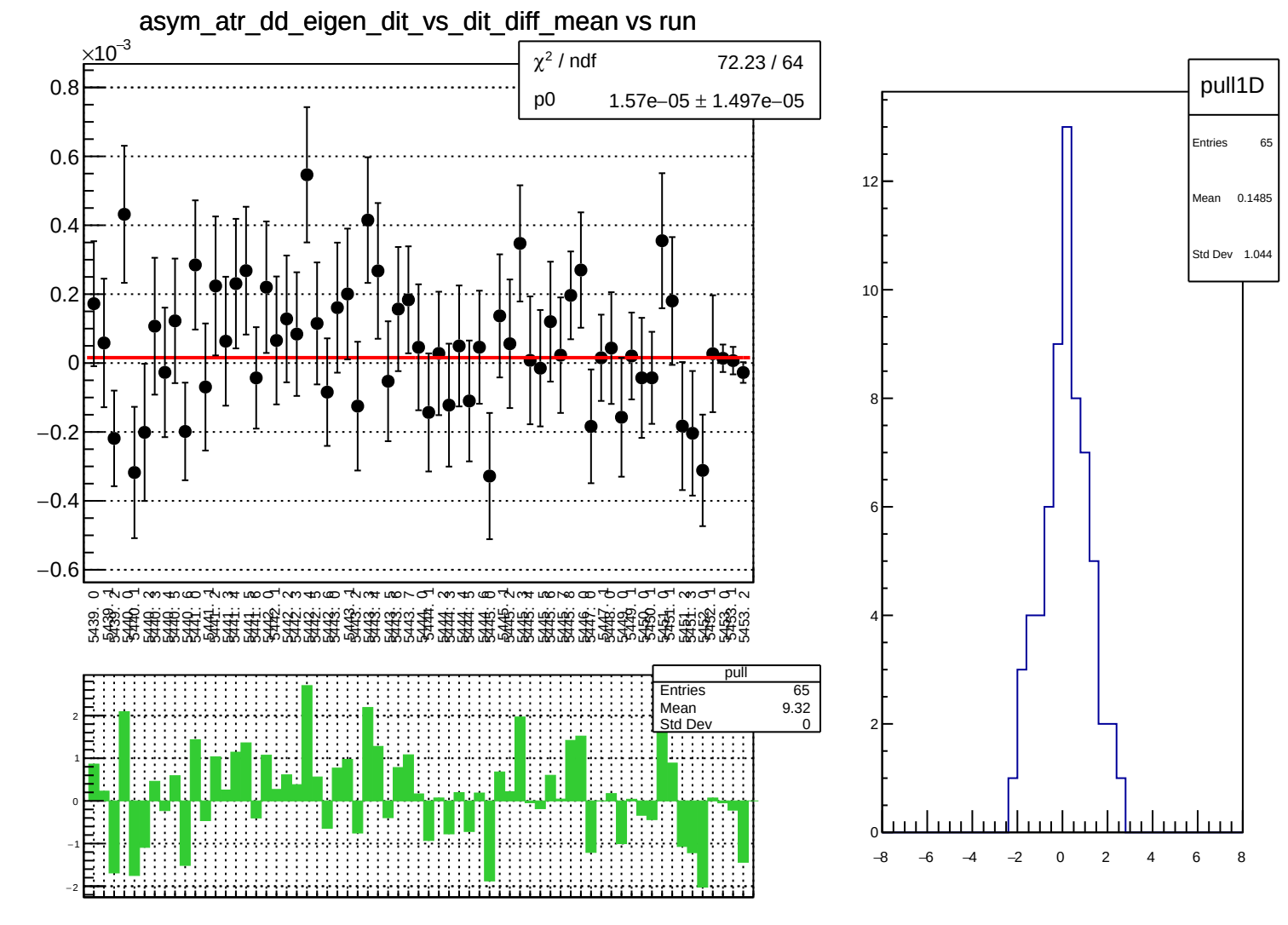

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.509e+05 / 64
p0 8.033e−11 ± 9.854e−14
220
200
180
160
140
120
100
80
60
40
20
0

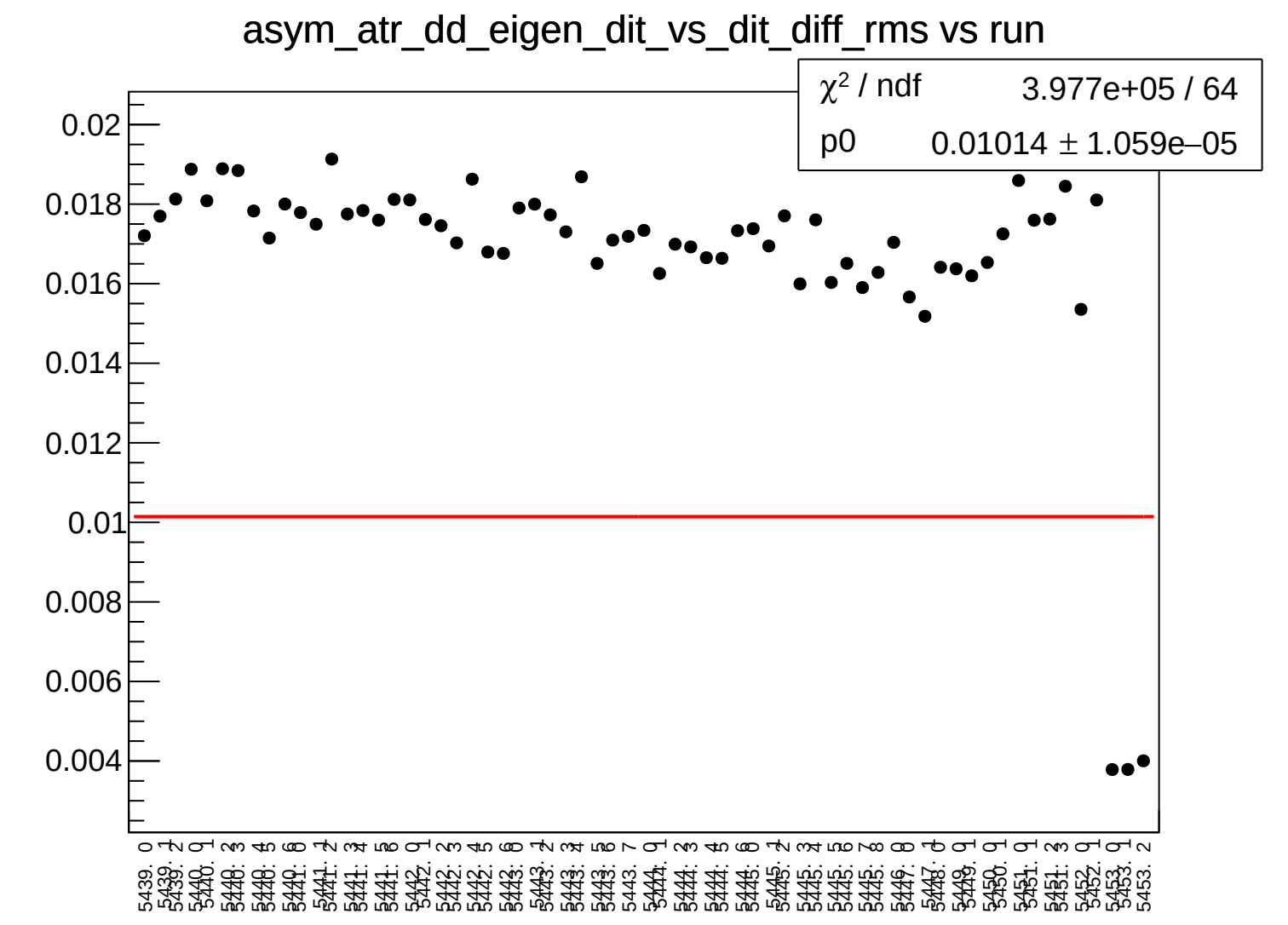

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.51 / 64
p0 0.1324 ± 0.2967
pull
Entries 65
Mean −3.053
Std Dev 0
pull1D
Entries 65
Mean −0.0987
Std Dev 0.9597

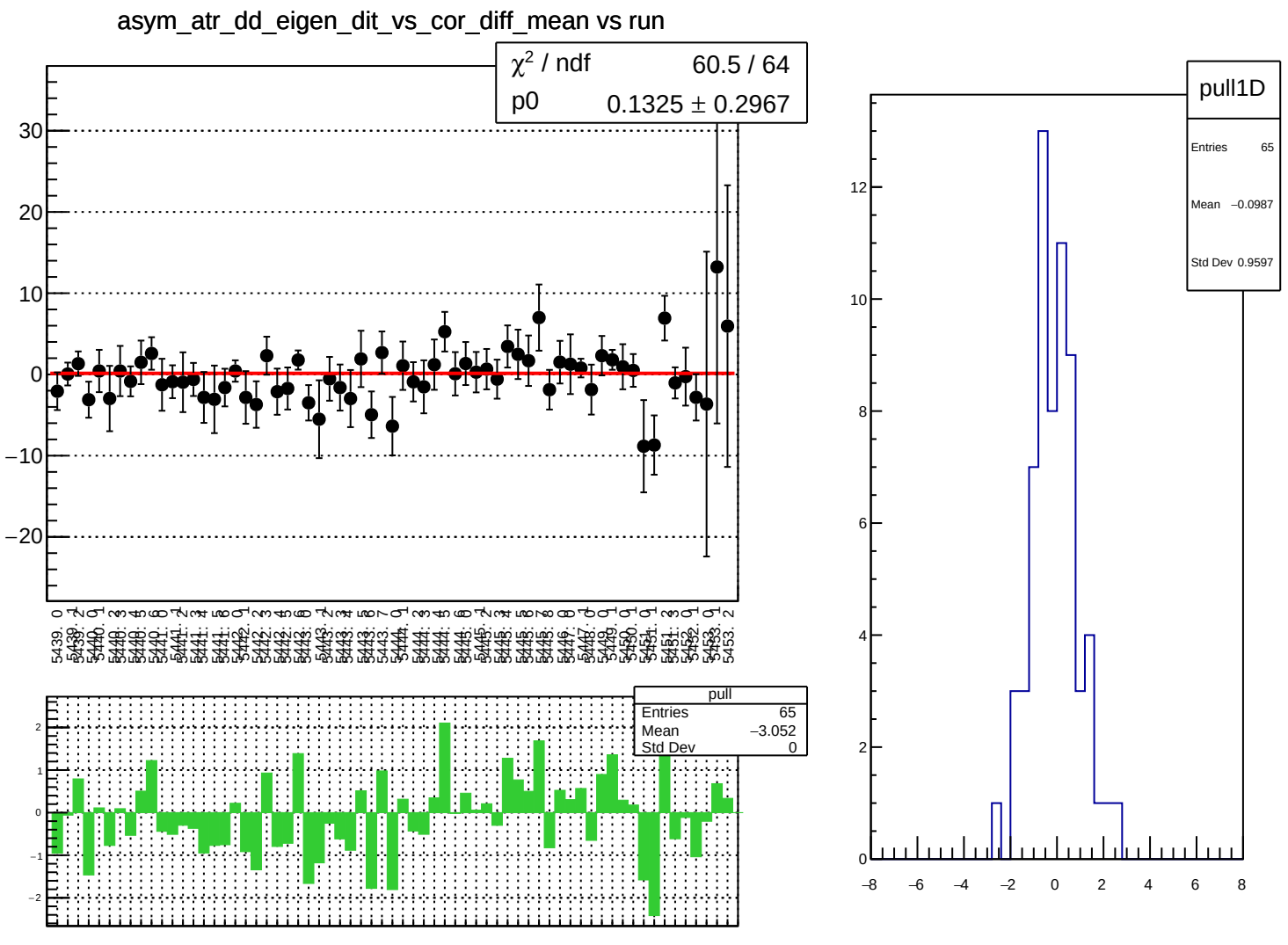

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.703e+05 / 64
p0 224.5 ± 0.2098
2500
2000
1500
1000
500

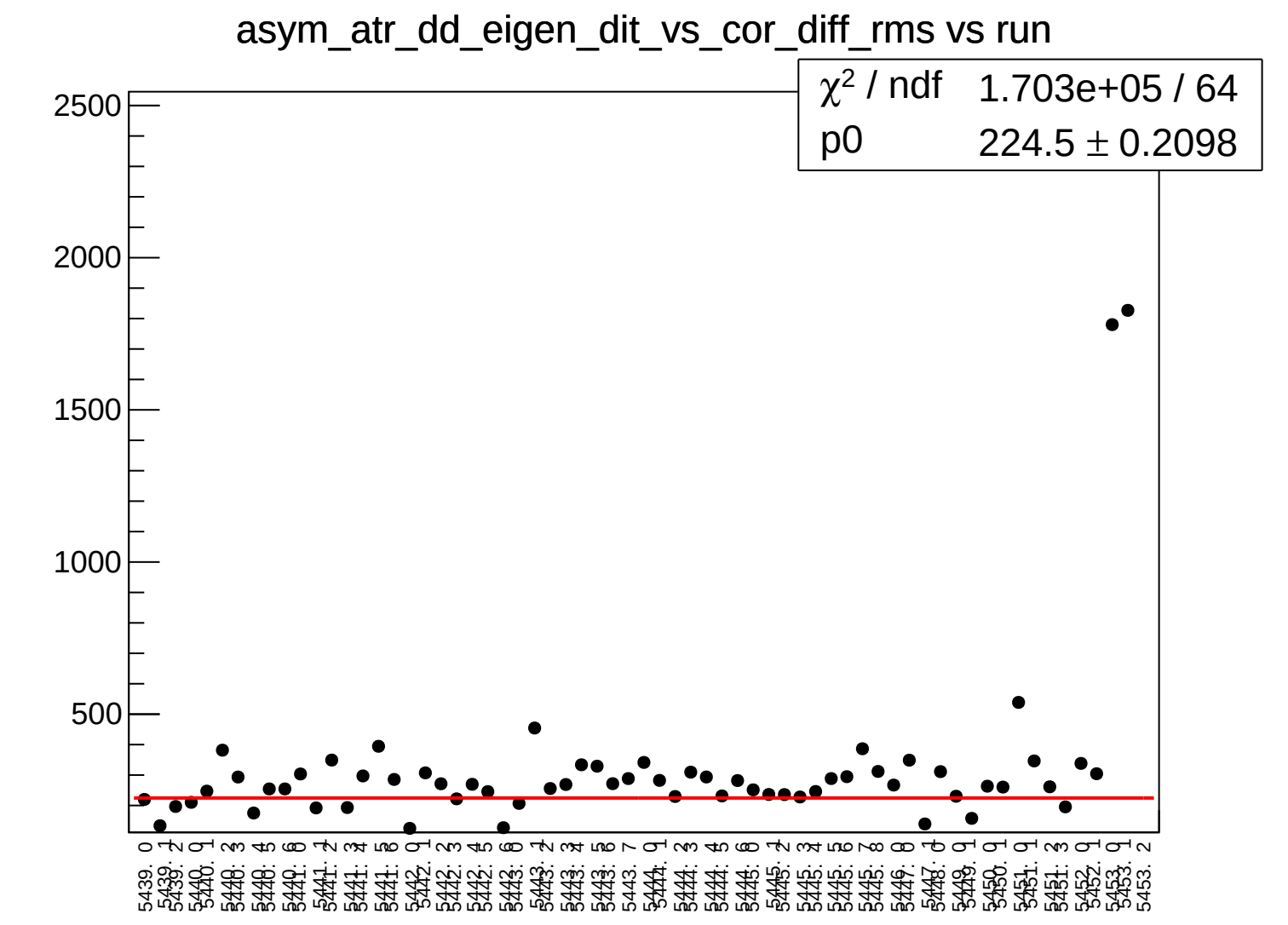

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.51 / 64
p0 0.1324 ± 0.2967
pull
Entries 65
Mean −3.053
Std Dev 0
pull1D
Entries 65
Mean −0.0987
Std Dev 0.9597

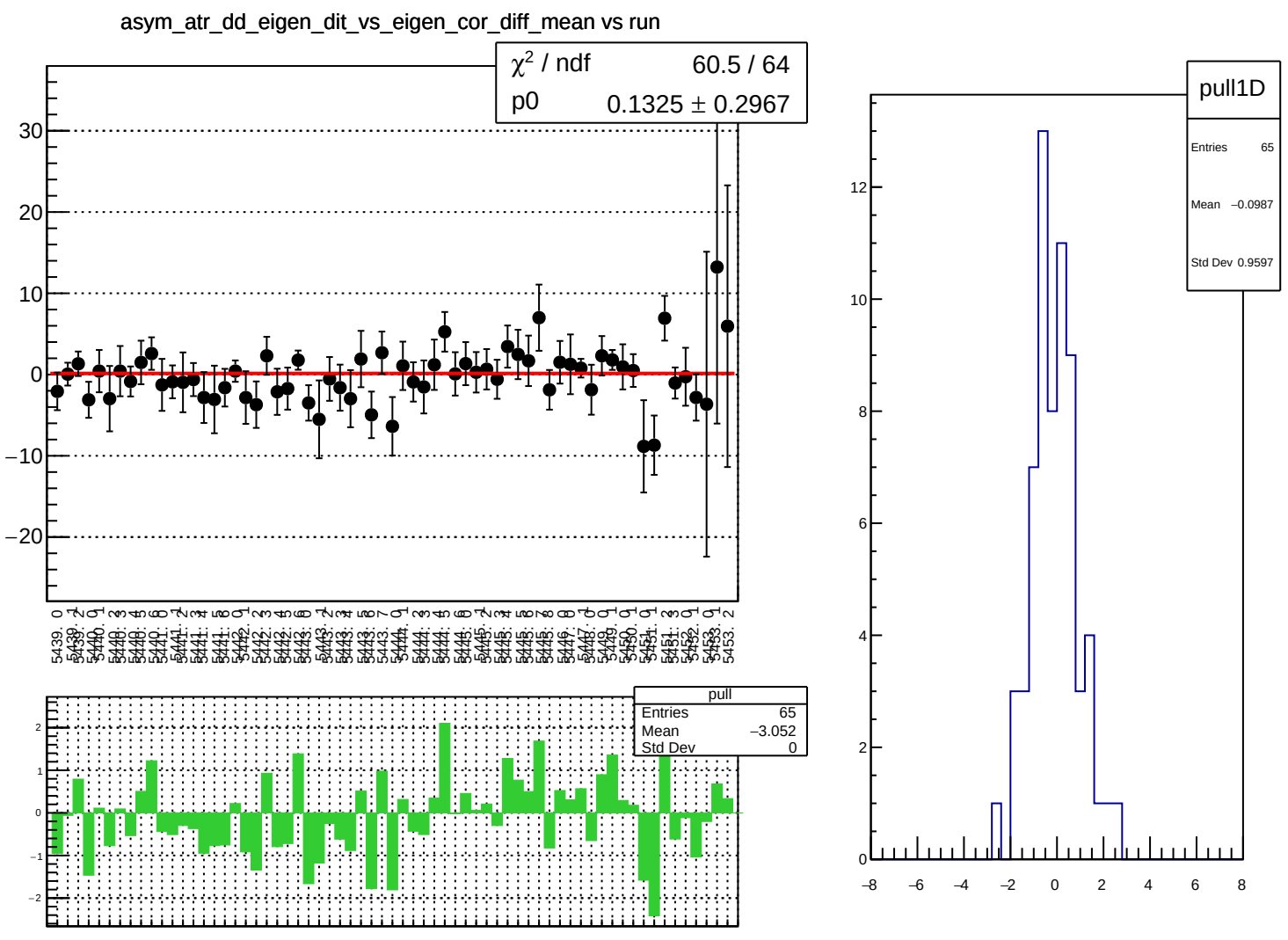

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.703e+05 / 64
p0 224.5 ± 0.2098
2500
2000
1500
1000
500

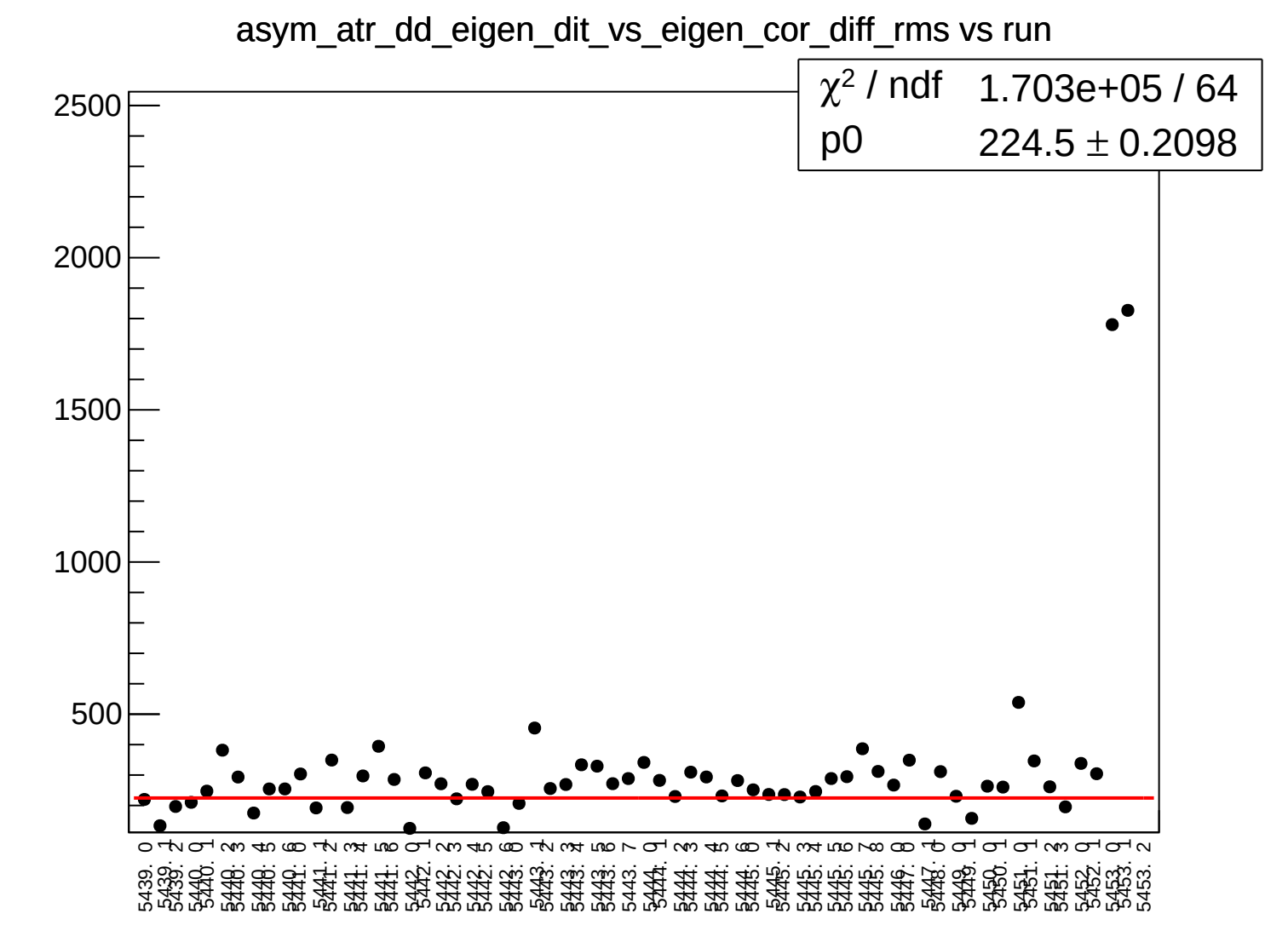

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.23 / 64
p0 1.57e−05 ± 1.497e−05
pull
Entries 65
Mean 9.32
Std Dev 0
pull1D
Entries 65
Mean 0.1485
Std Dev 1.044

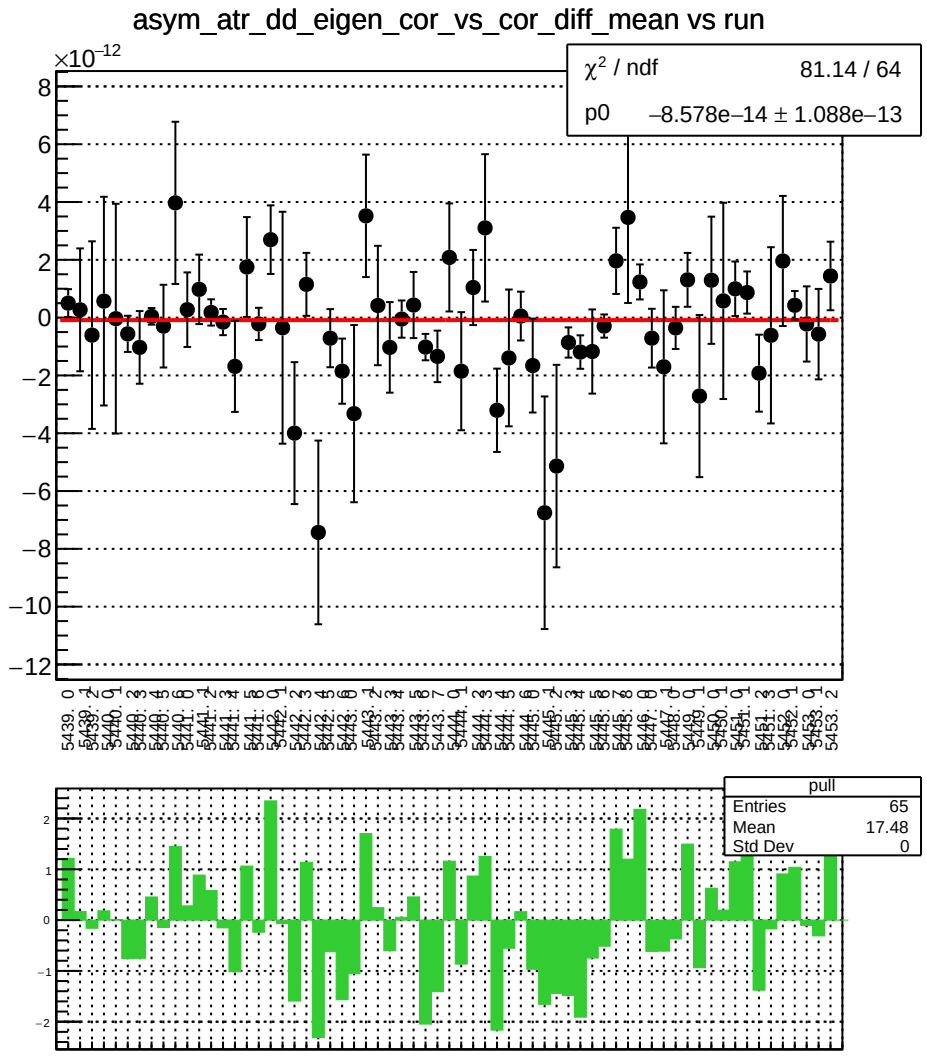

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.977e+05 / 64
p0 0.01014 ± 1.059e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

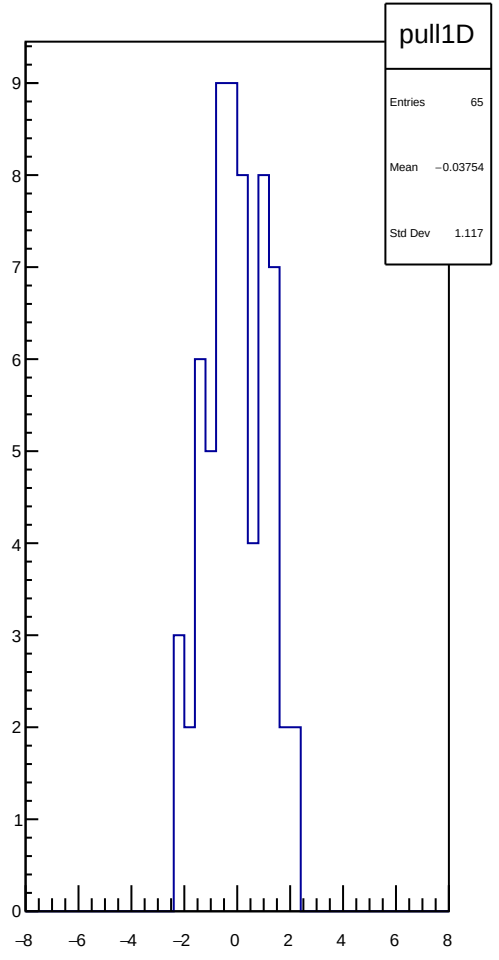

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.5 / 64
p0 0.1325 ± 0.2967
pull
Entries 65
Mean −3.052
Std Dev 0
pull1D
Entries 65
Mean −0.0987
Std Dev 0.9597

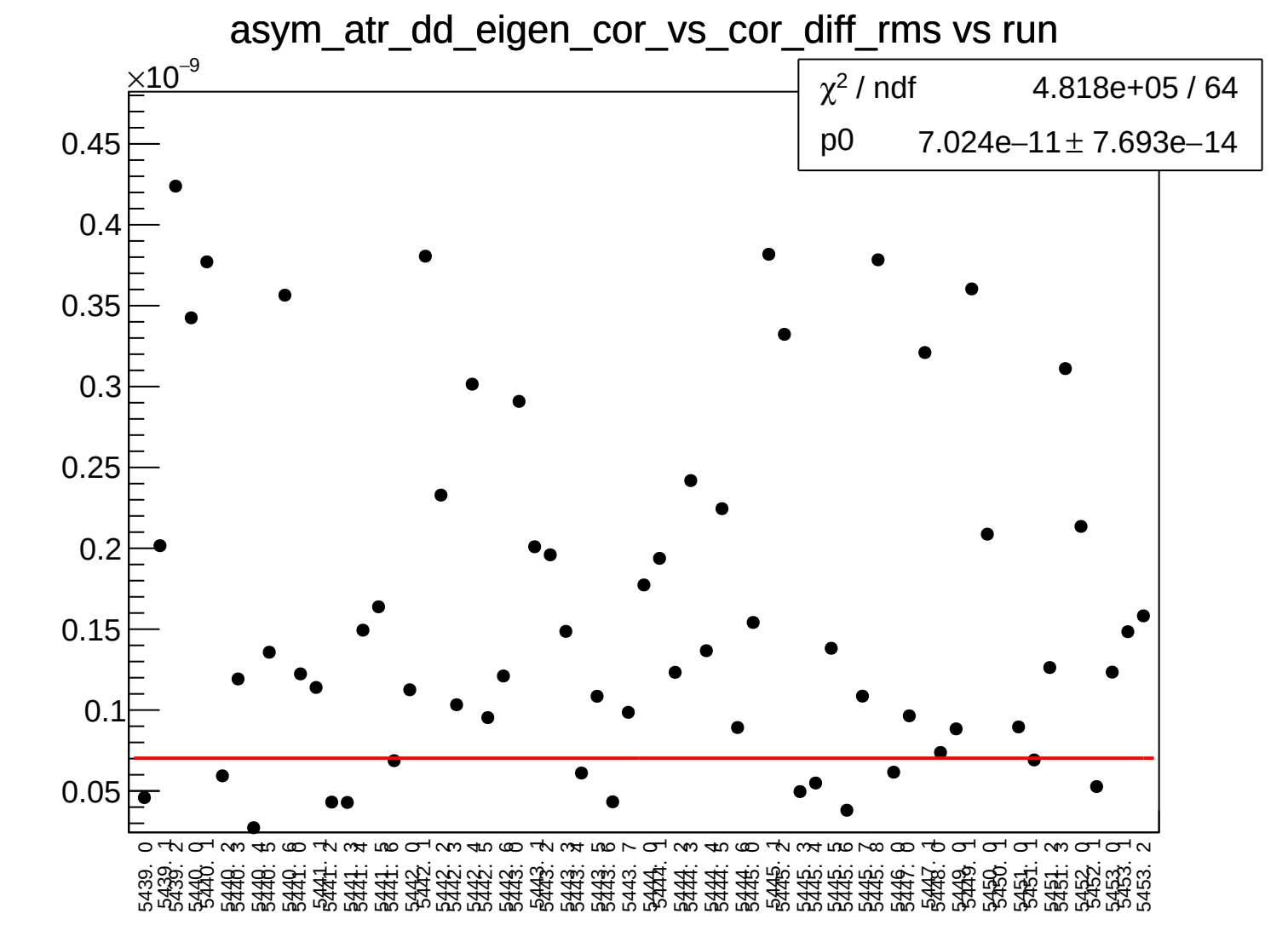

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.703e+05 / 64
p0 224.5 ± 0.2098
2500
2000
1500
1000
500

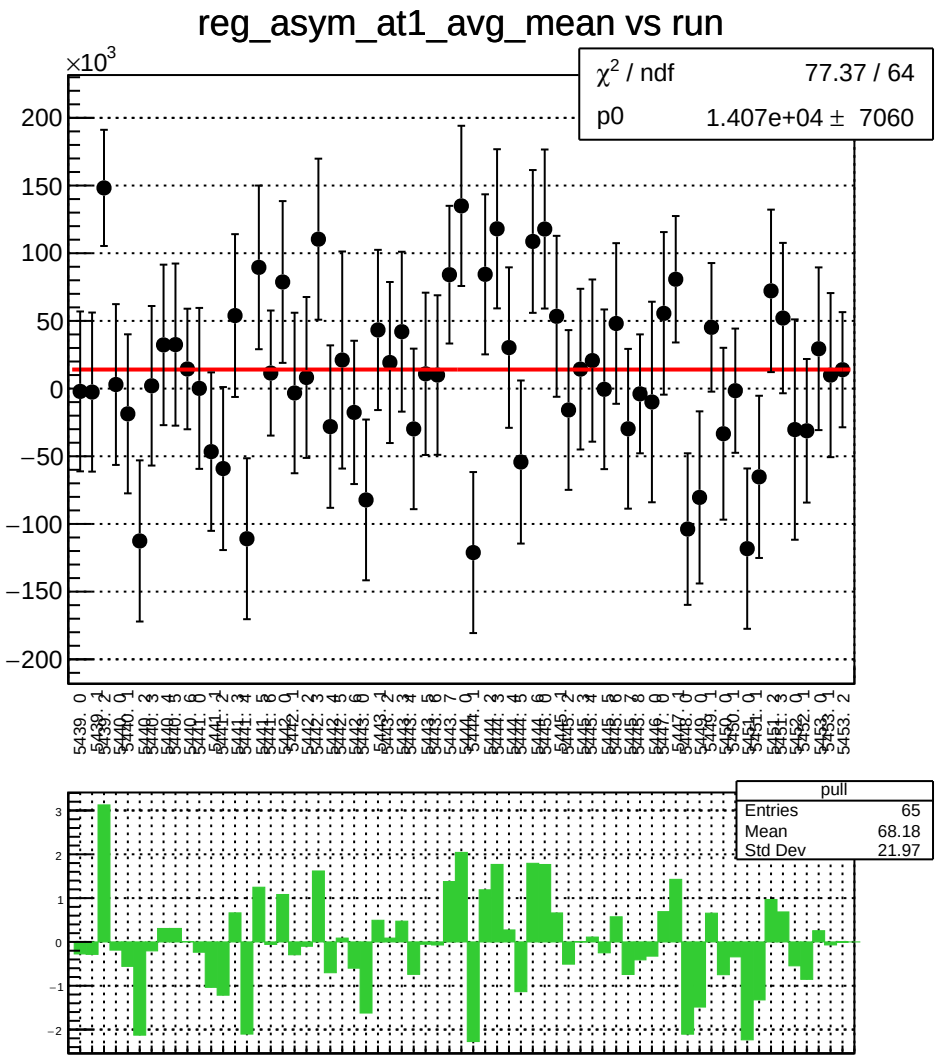

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.5 / 64
p0 0.1325 ± 0.2967
pull
Entries 65
Mean −3.052
Std Dev 0
pull1D
Entries 65
Mean −0.0987
Std Dev 0.9597

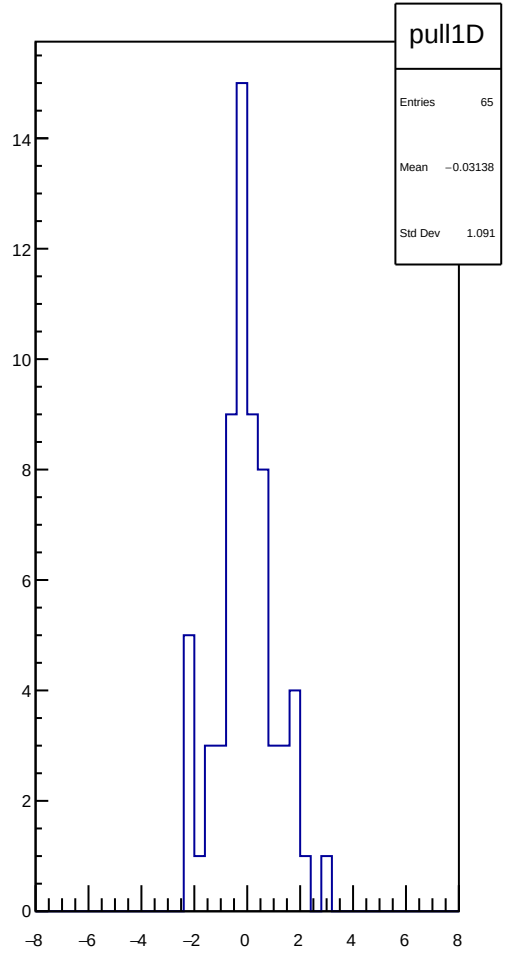

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.703e+05 / 64
p0 224.5 ± 0.2098
2500
2000
1500
1000
500

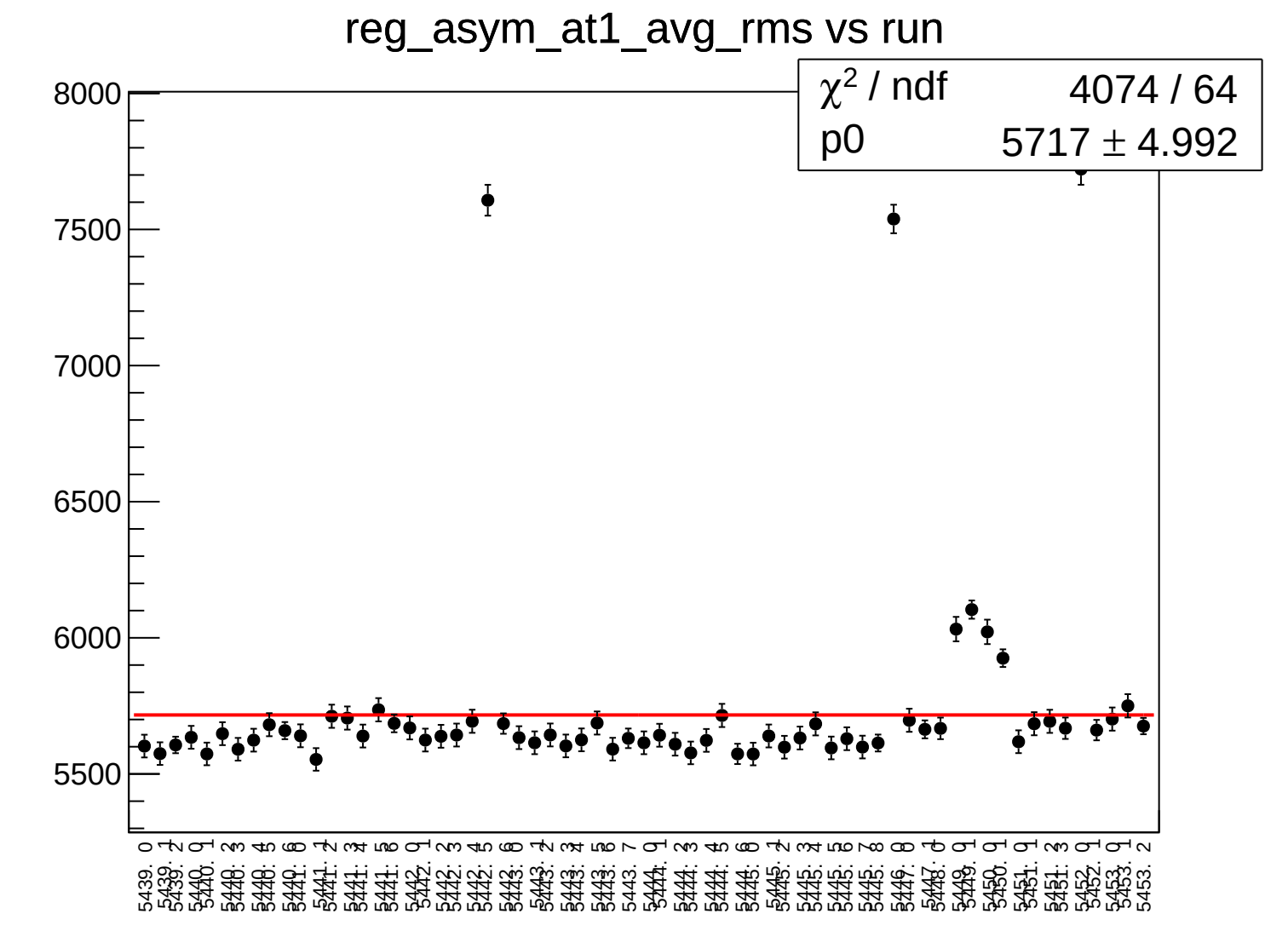

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.14 / 64
p0 −8.578e−14 ± 1.088e−13
pull
Entries 65
Mean 17.48
Std Dev 0

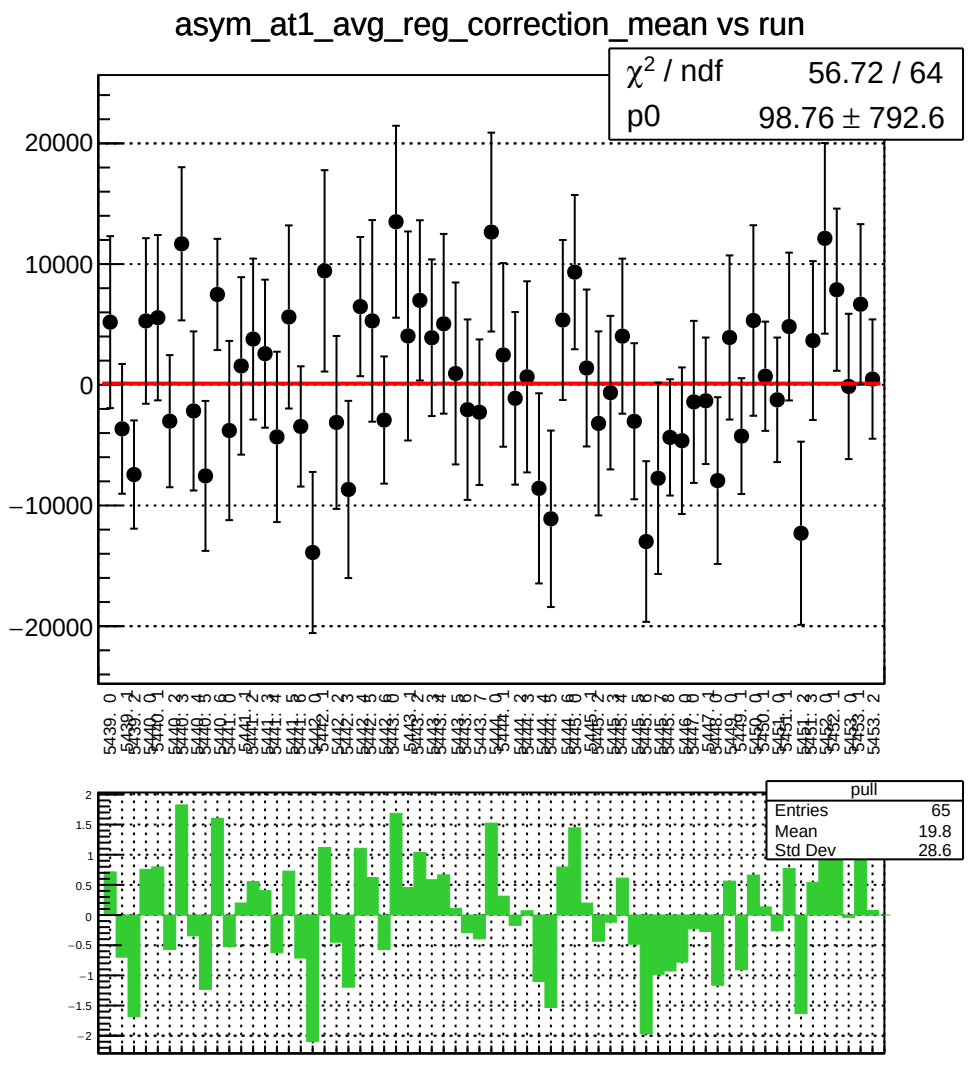

pull1D
Entries 65
Mean −0.03754
Std Dev 1.117

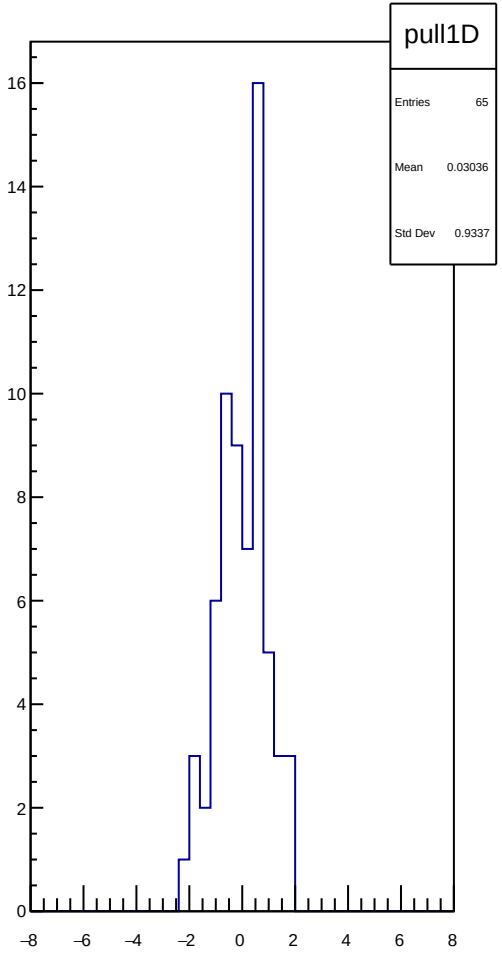

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.818e+05 / 64
p0 7.024e−11 ± 7.693e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

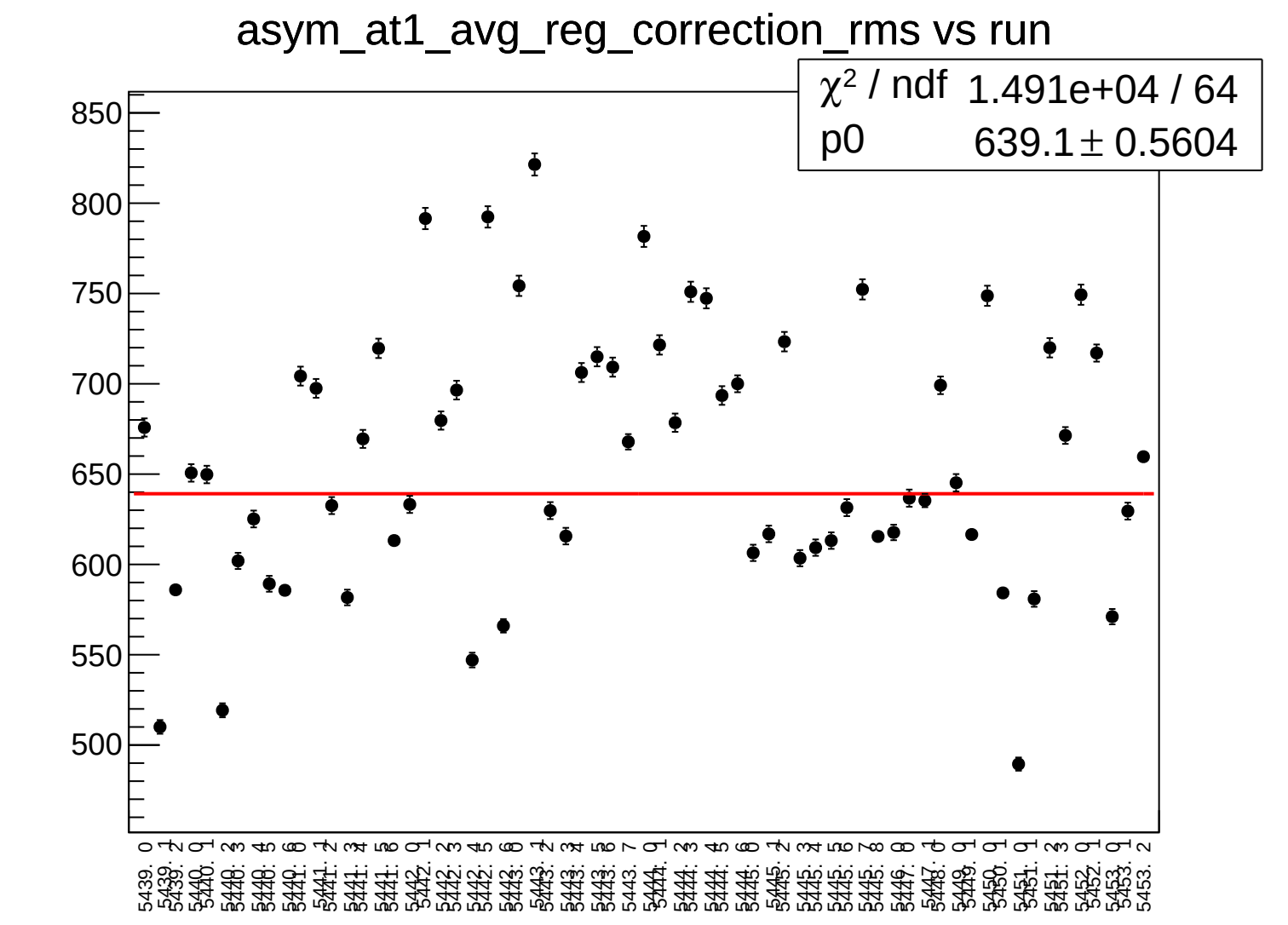

reg_asym_at1_avg_mean vs run
×10^3
χ² / ndf 77.37 / 64
p0 1.407e+04 ± 7060
pull
Entries 65
Mean 68.18
Std Dev 21.97

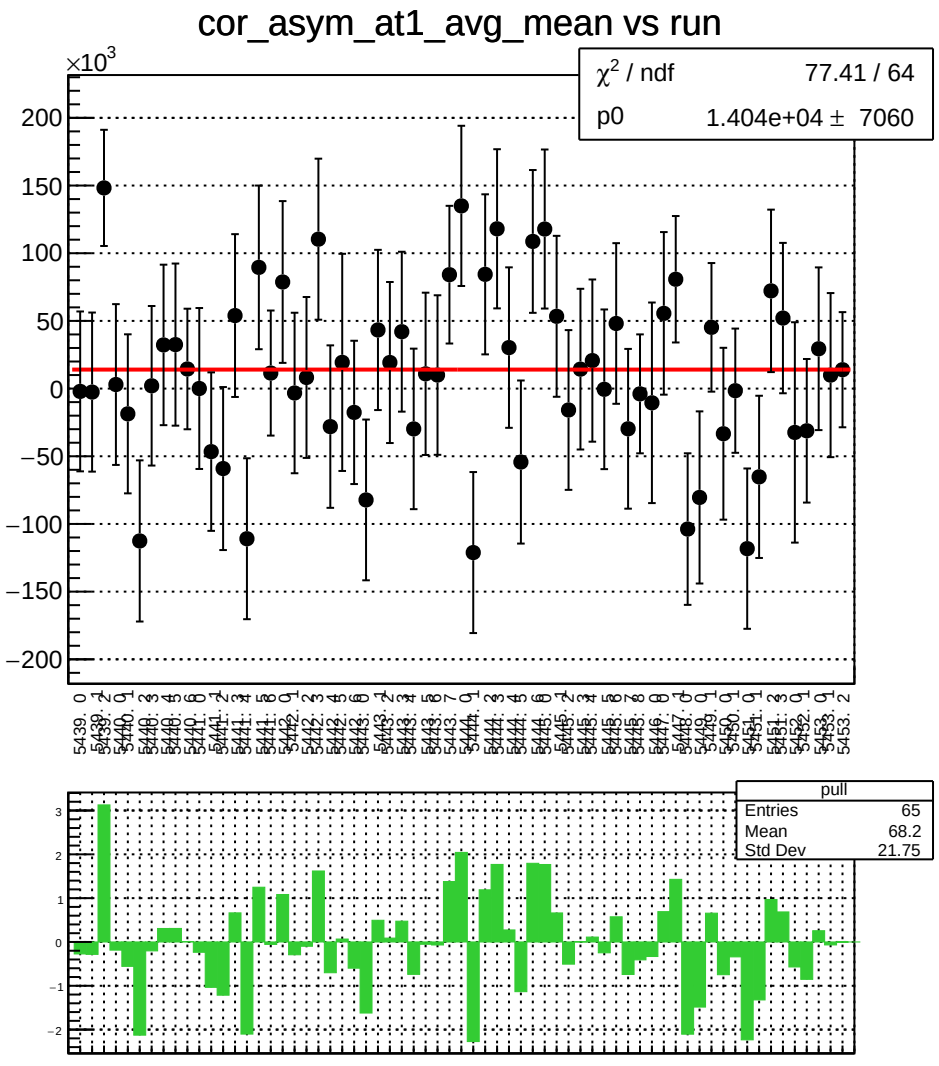

pull1D
Entries 65
Mean −0.03138
Std Dev 1.091

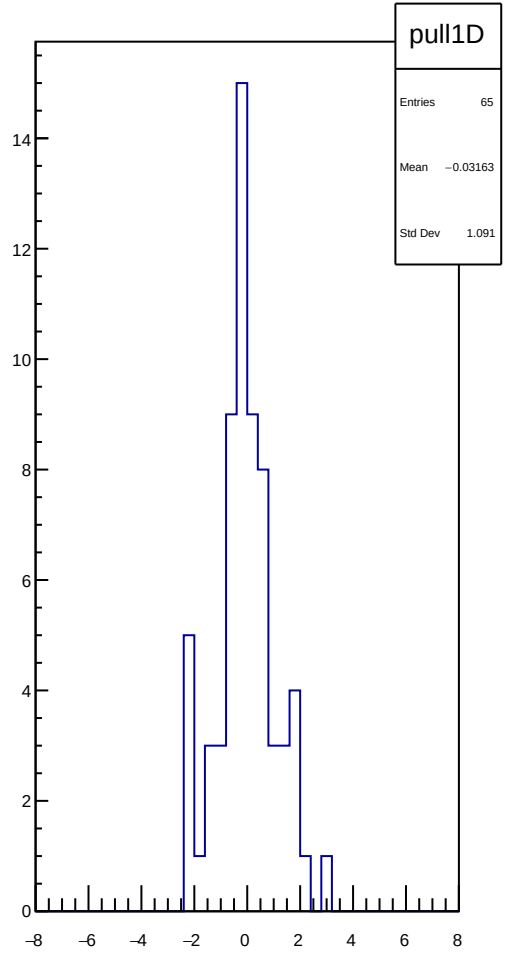

reg_asym_at1_avg_rms vs run
χ² / ndf 4074 / 64
p0 5717 ± 4.992
8000
7500
7000
6500
6000
5500

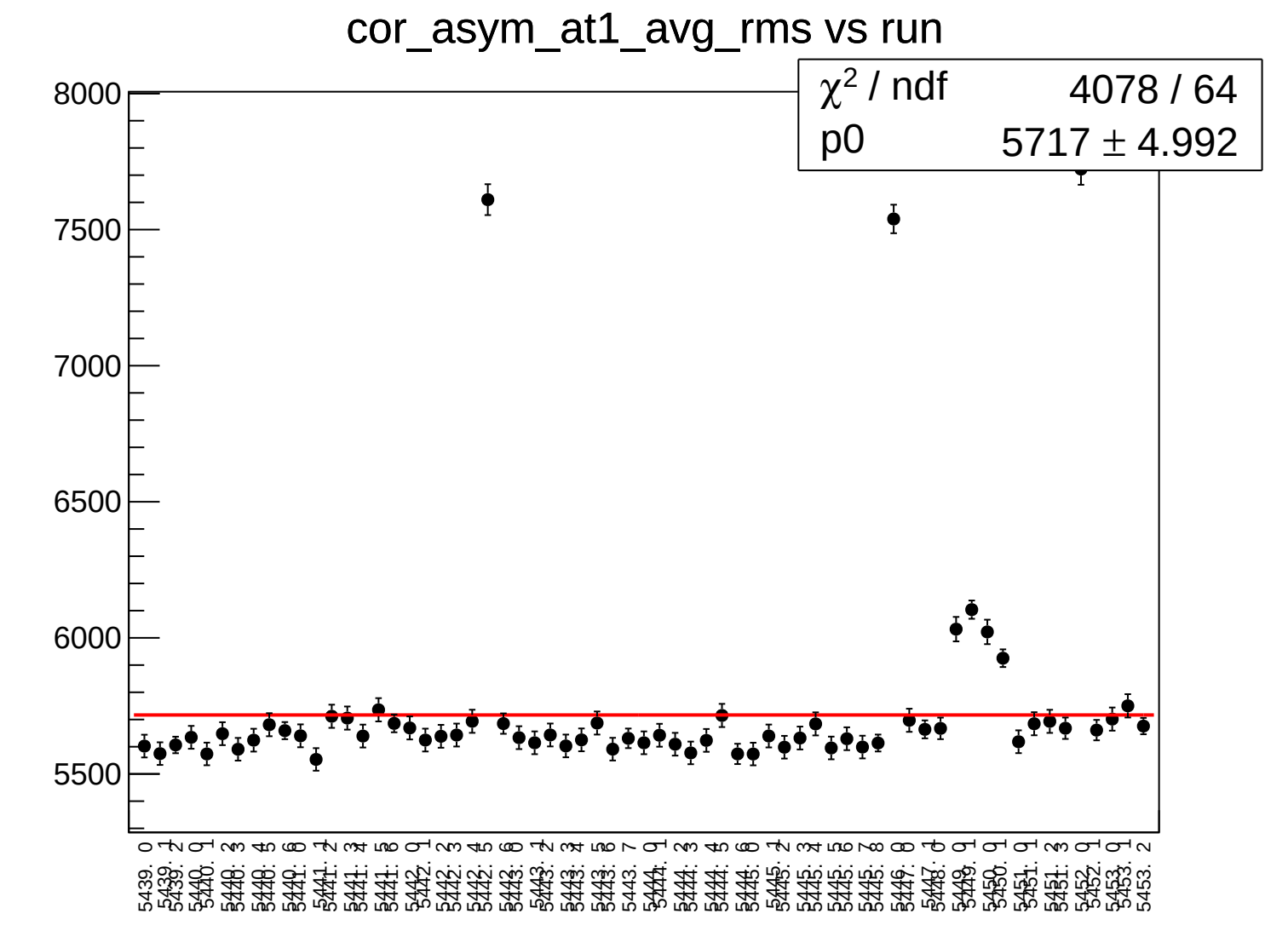

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 56.72 / 64
p0 98.76 ± 792.6
20000
10000
0
−10000
−20000
pull
Entries 65
Mean 19.8
Std Dev 28.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

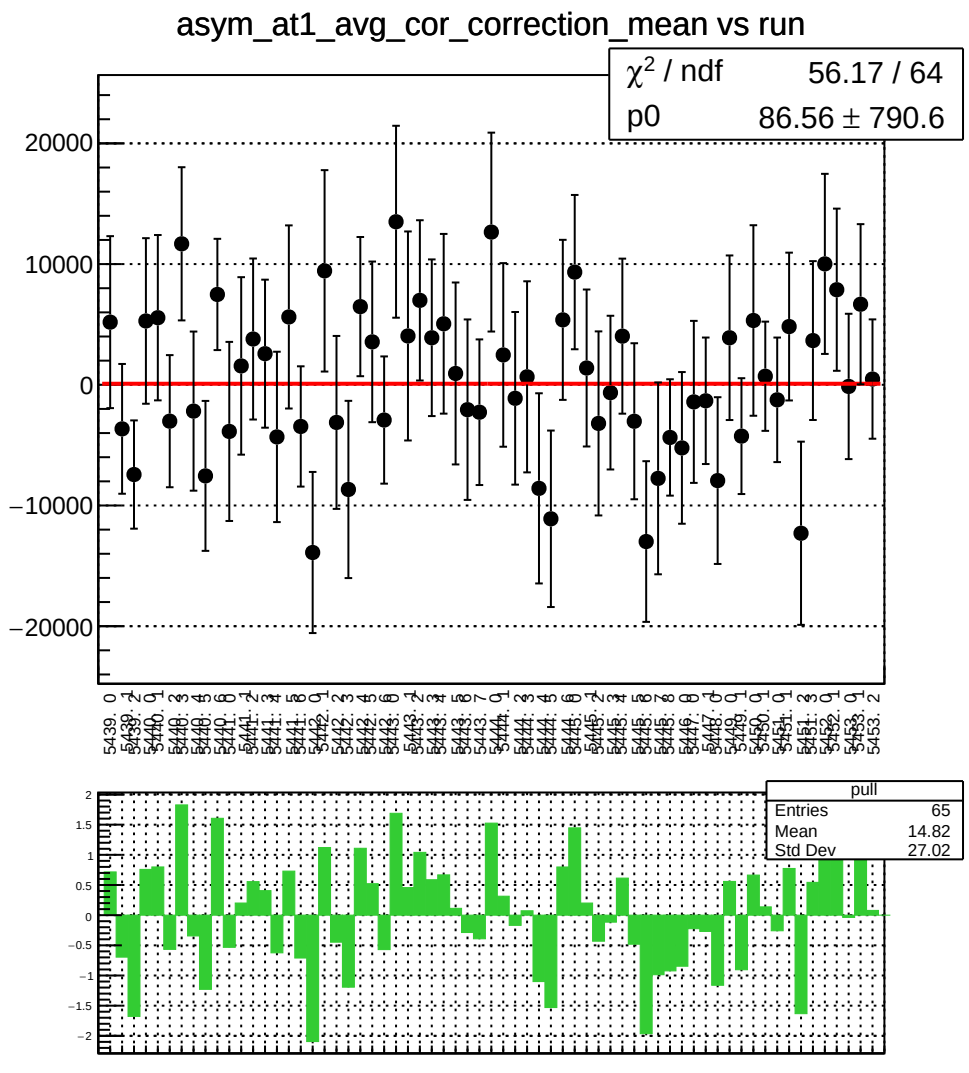

pull1D
Entries 65
Mean 0.03036
Std Dev 0.9337
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

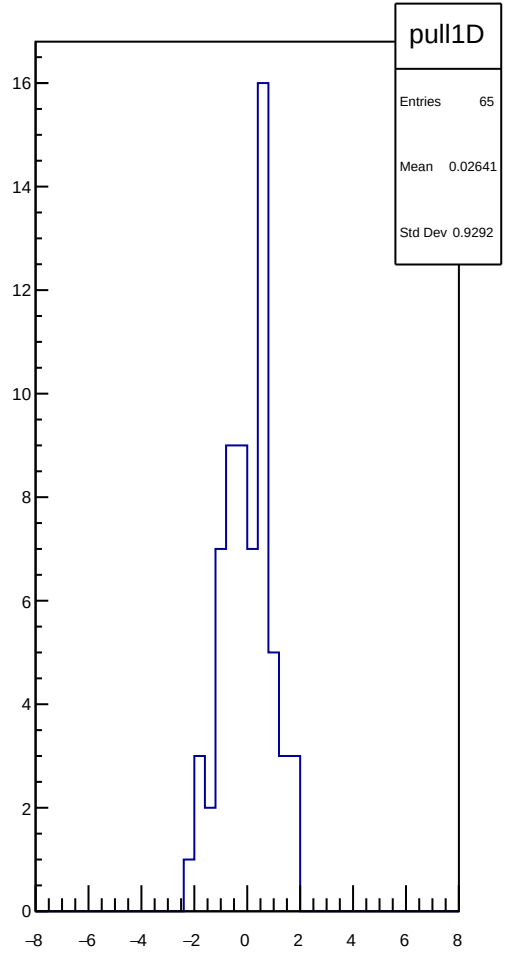

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 1.491e+04 / 64
p0 639.1 ± 0.5604
850
800
750
700
650
600
550
500

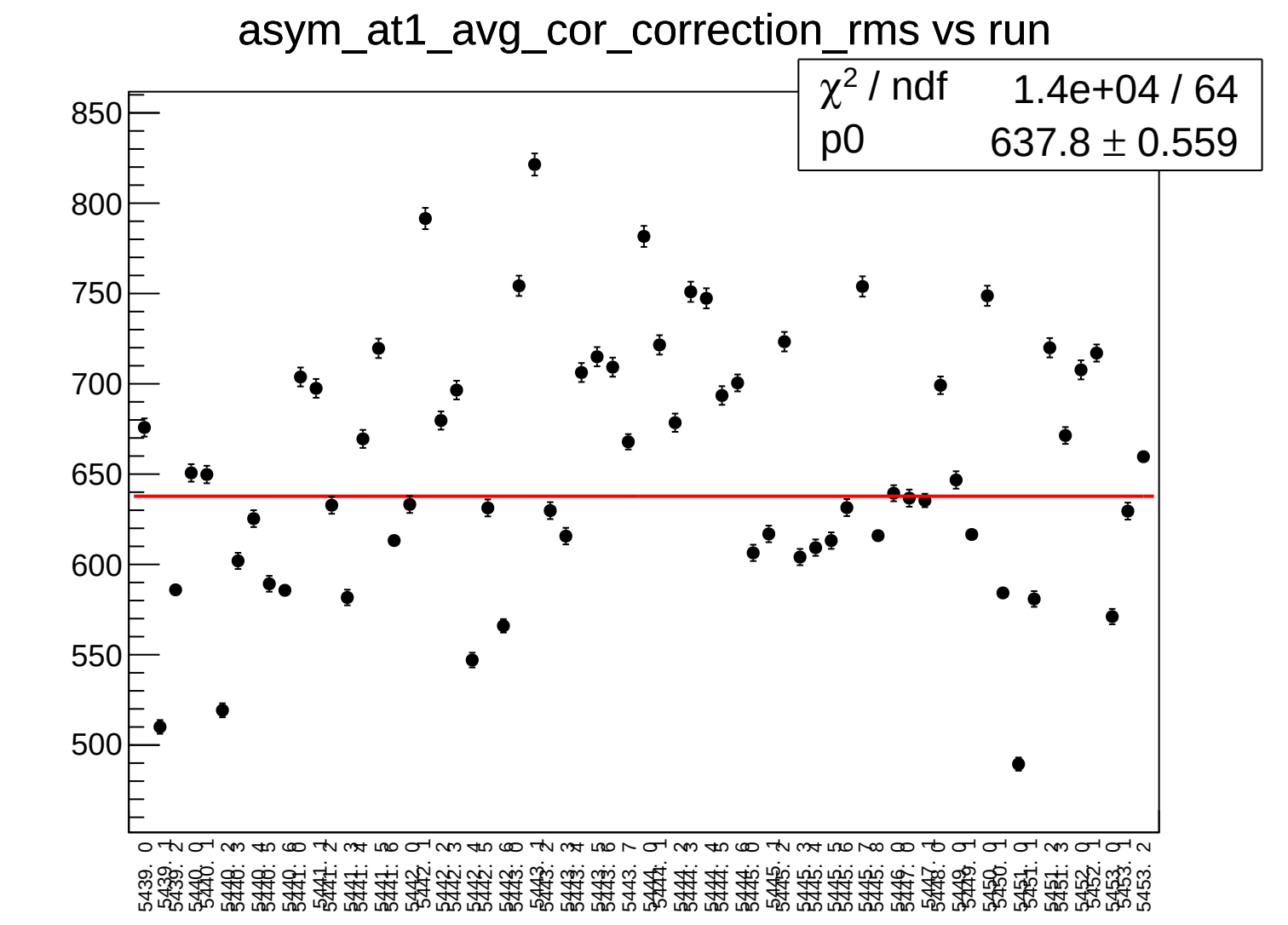

cor_asym_at1_avg_mean vs run
×10^3
χ² / ndf 77.41 / 64
p0 1.404e+04 ± 7060
pull
Entries 65
Mean 68.2
Std Dev 21.75

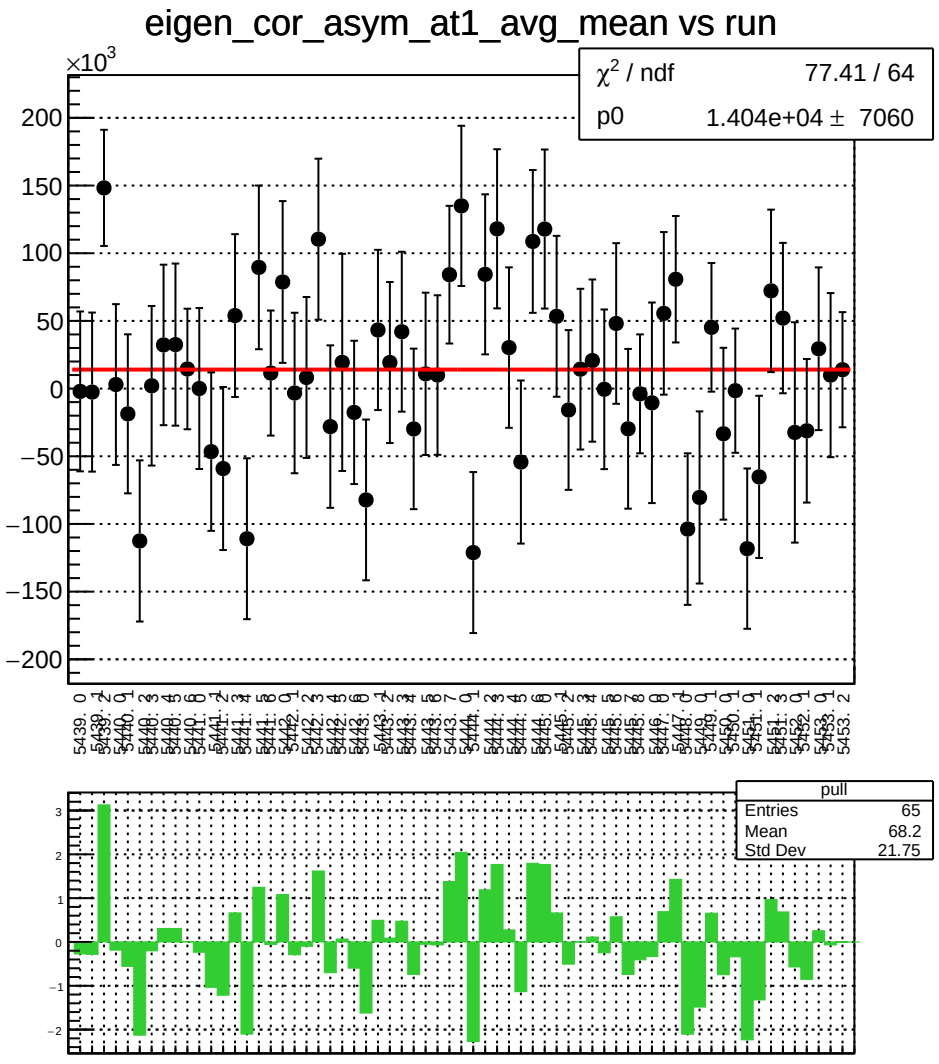

pull1D
Entries 65
Mean −0.03163
Std Dev 1.091

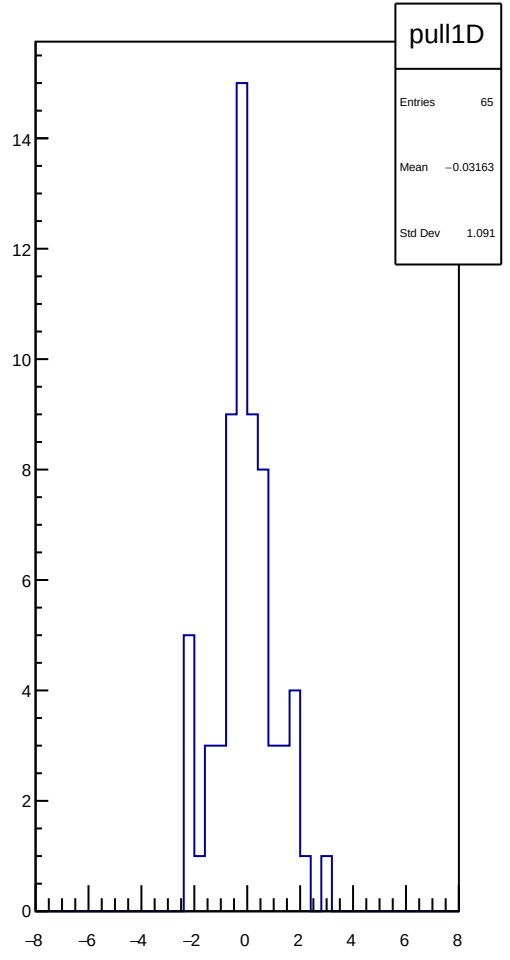

cor_asym_at1_avg_rms vs run
χ² / ndf 4078 / 64
p0 5717 ± 4.992
8000
7500
7000
6500
6000
5500

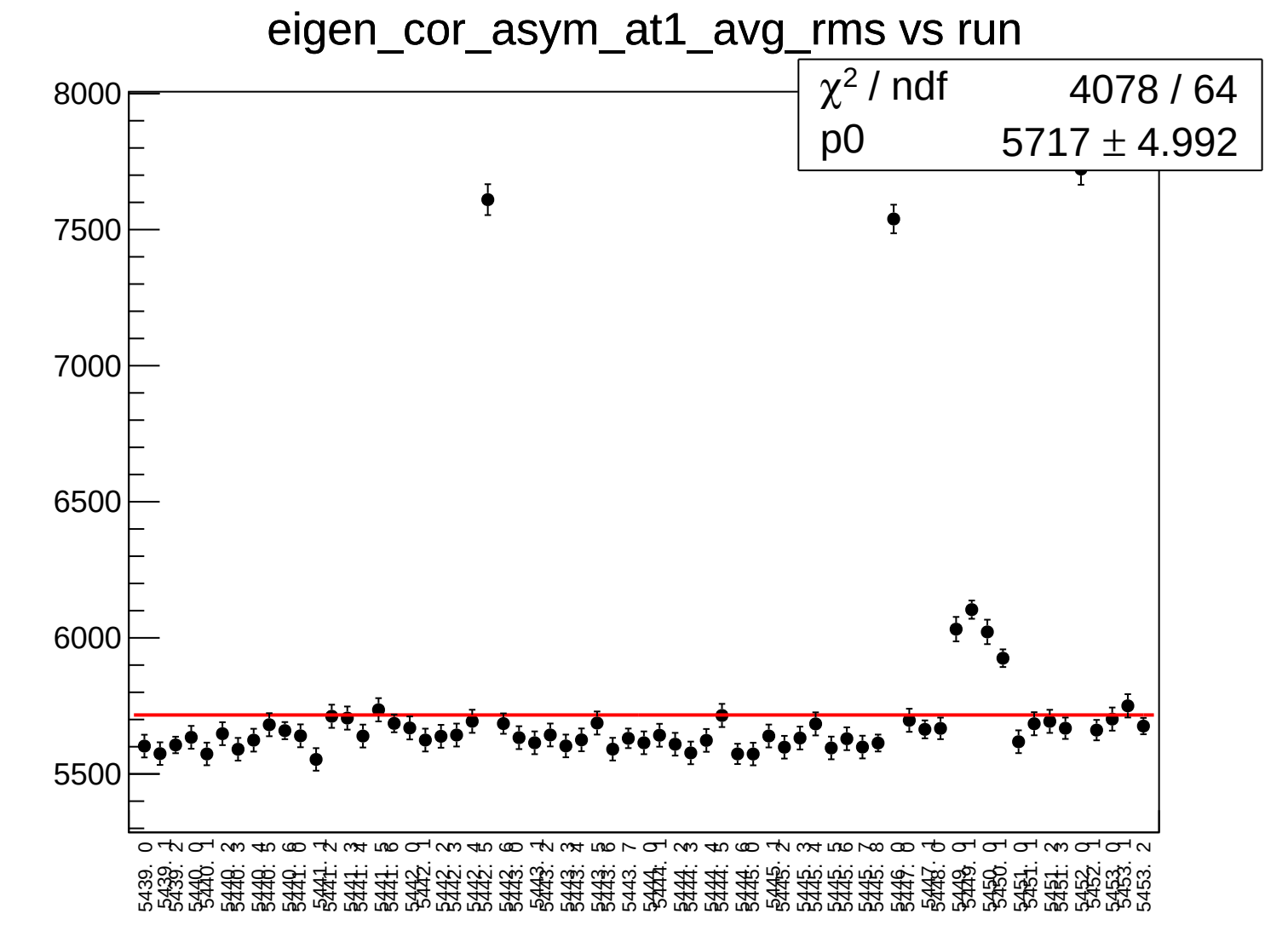

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 56.17 / 64
p0 86.56 ± 790.6
20000
10000
0
−10000
−20000
pull
Entries 65
Mean 14.82
Std Dev 27.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

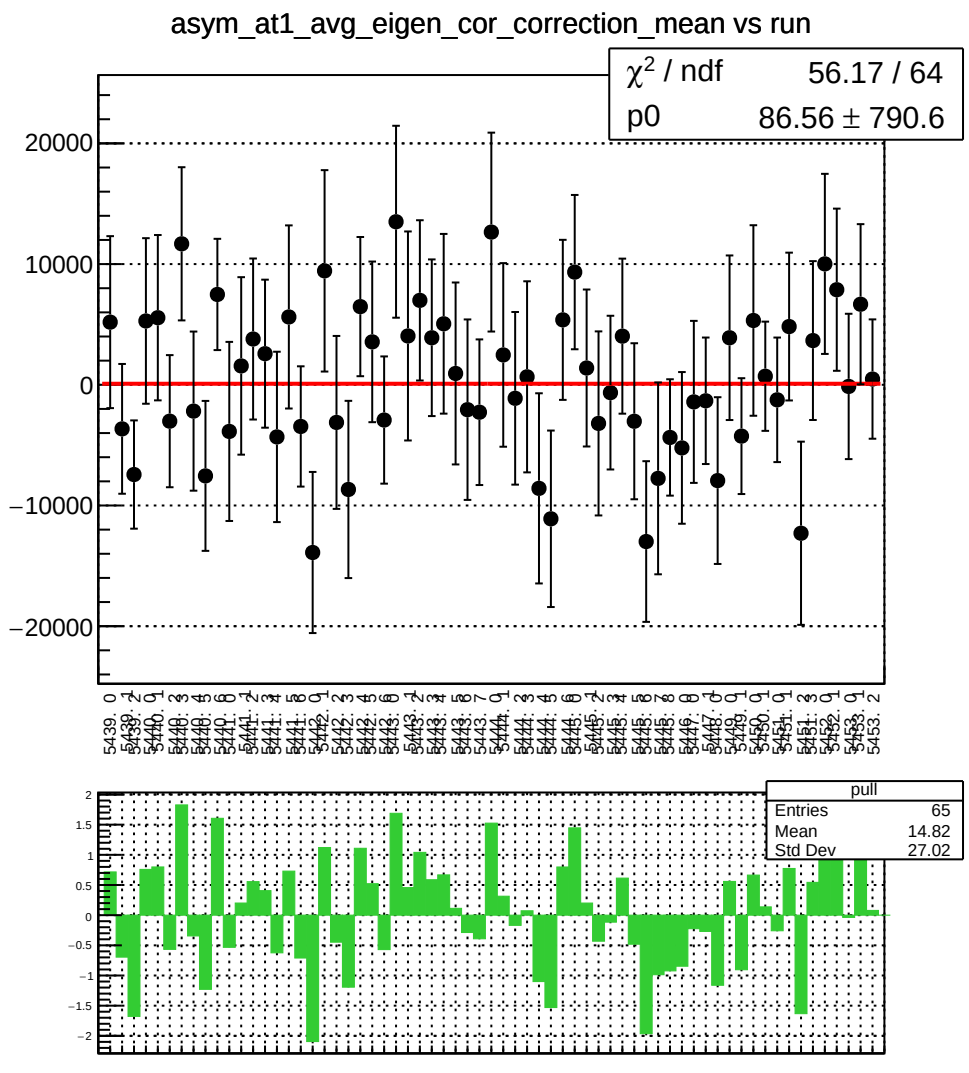

pull1D
Entries 65
Mean 0.02641
Std Dev 0.9292
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

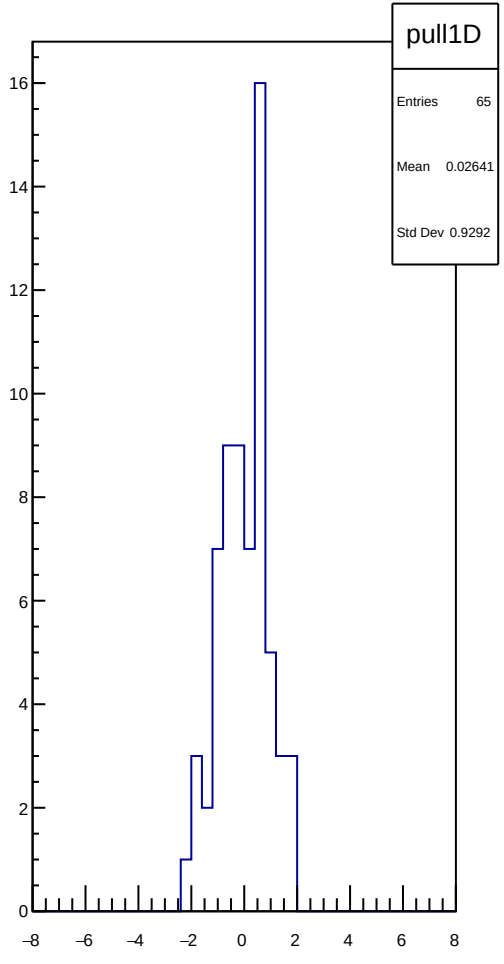

asym_at1_avg_cor_correction_rms vs run
χ^2 / ndf 1.4e+04 / 64
p0 637.8 ± 0.559
850
800
750
700
650
600
550
500

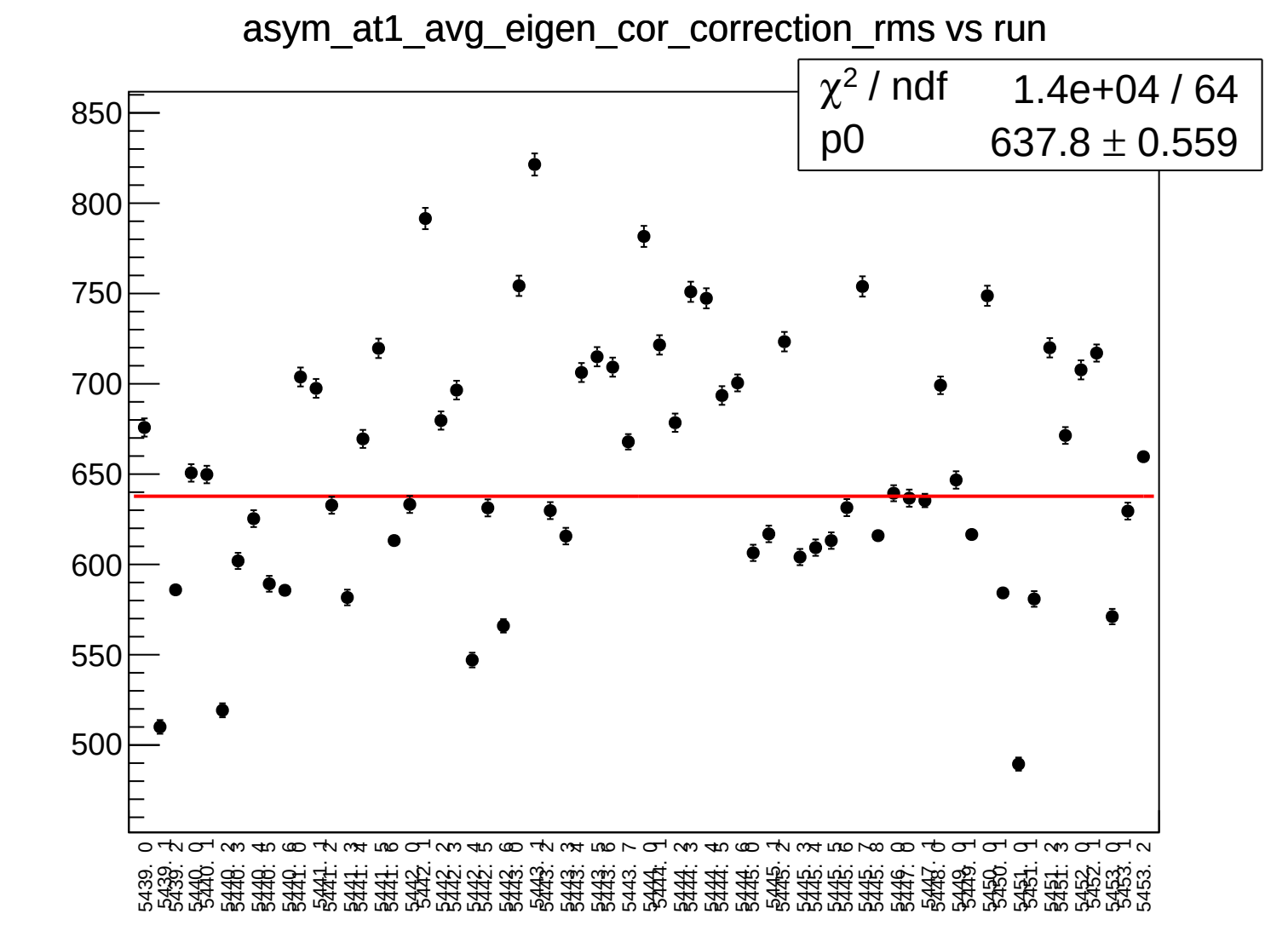

eigen_cor_asym_at1_avg_mean vs run
×10^3
χ² / ndf 77.41 / 64
p0 1.404e+04 ± 7060
pull
Entries 65
Mean 68.2
Std Dev 21.75

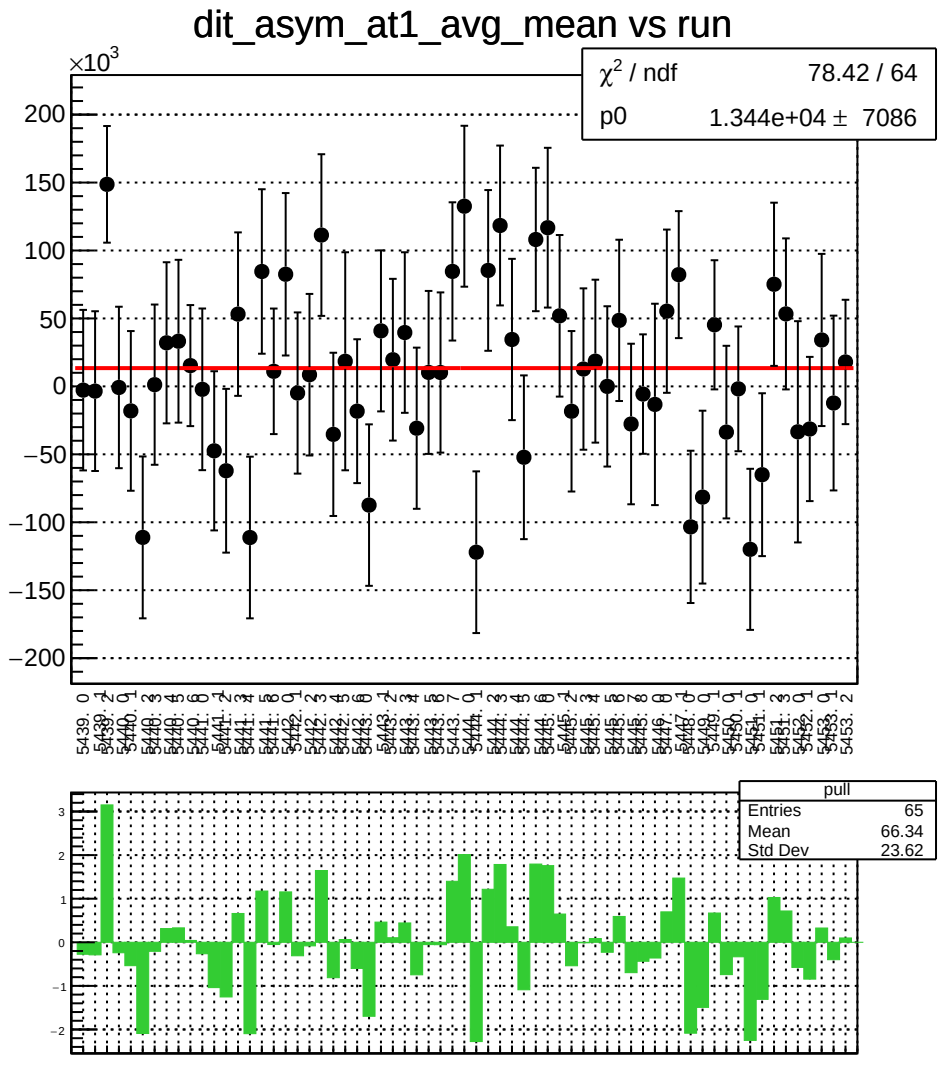

pull1D
Entries 65
Mean −0.03163
Std Dev 1.091

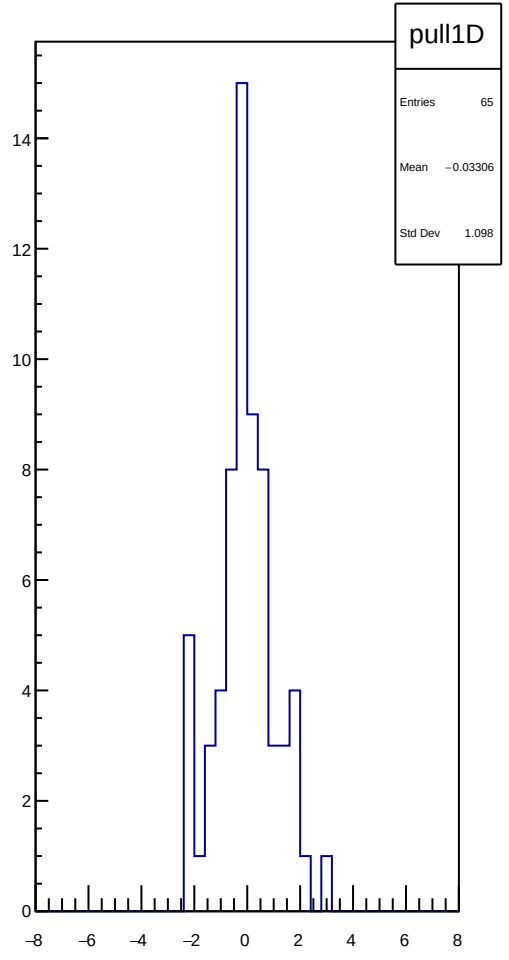

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 4078 / 64
p0 5717 ± 4.992
8000
7500
7000
6500
6000
5500

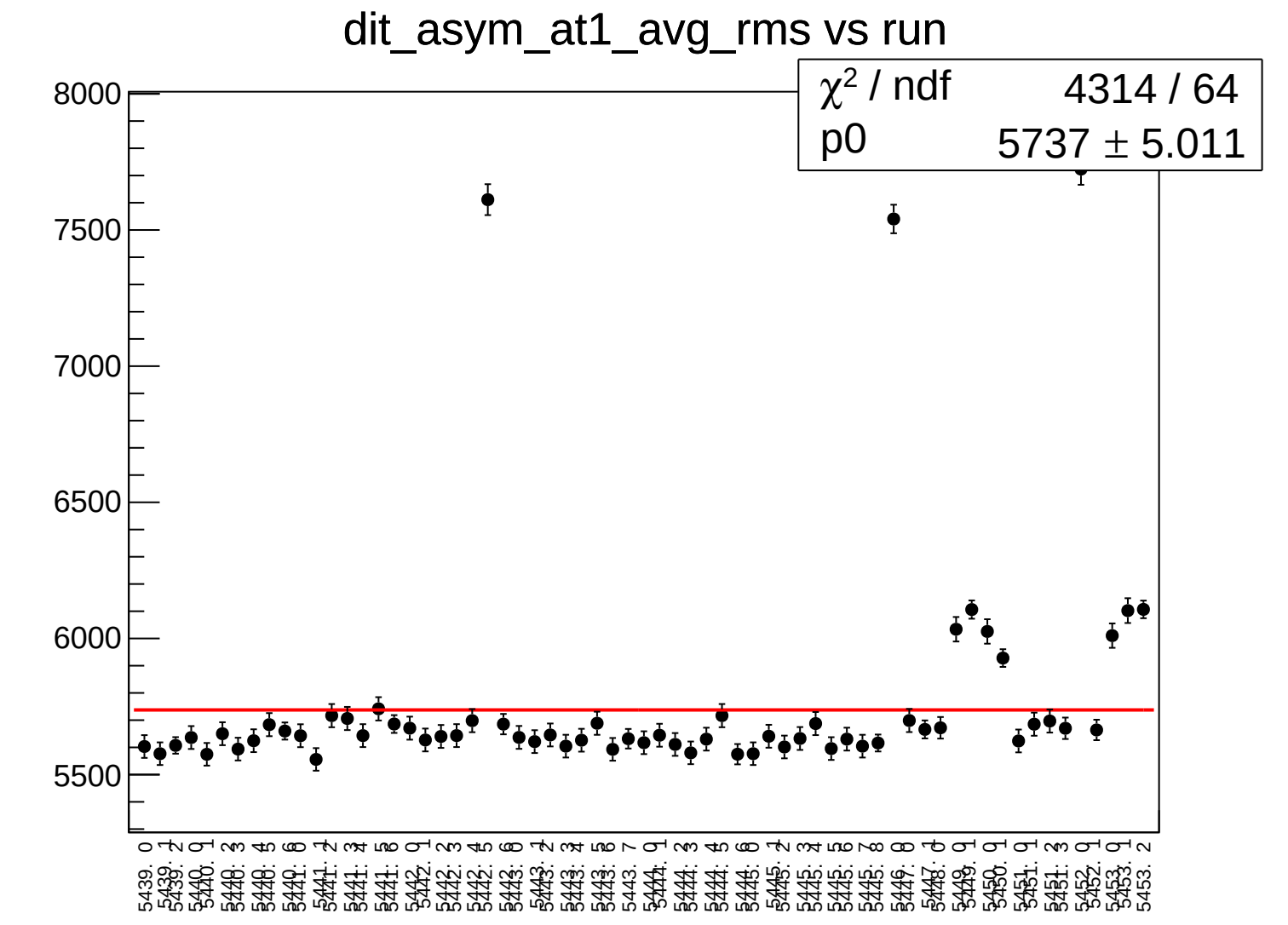

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.17 / 64
p0 86.56 ± 790.6
20000
10000
0
−10000
−20000
pull
Entries 65
Mean 14.82
Std Dev 27.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

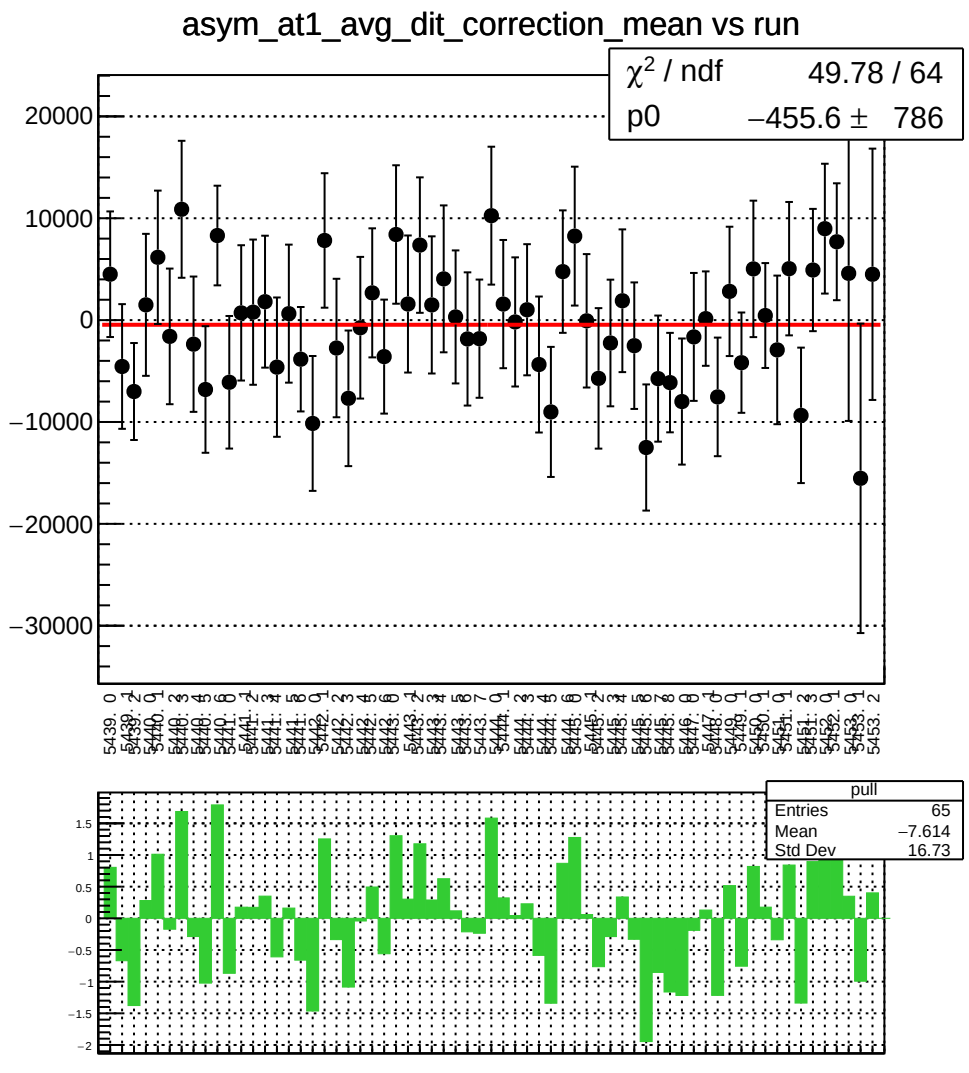

pull1D
Entries 65
Mean 0.02641
Std Dev 0.9292
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

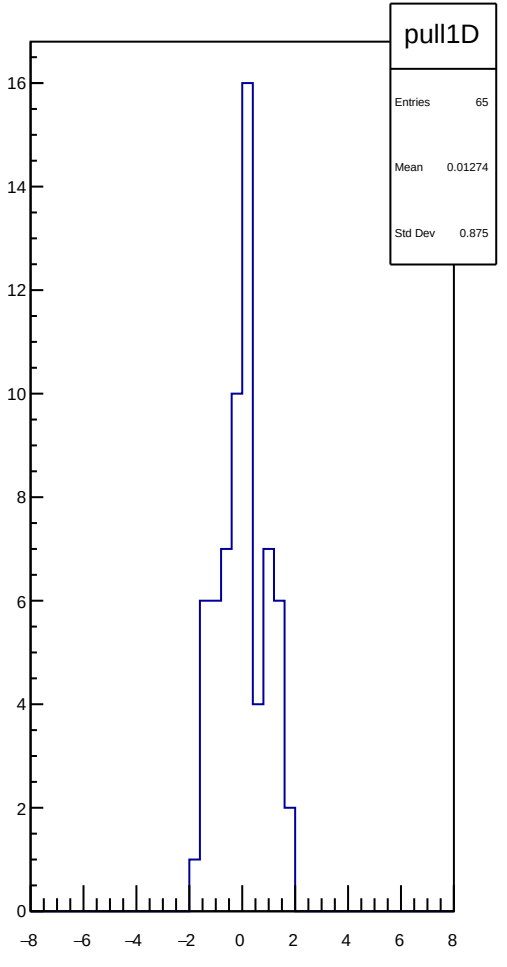

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.4e+04 / 64
p0 637.8 ± 0.559
850
800
750
700
650
600
550
500

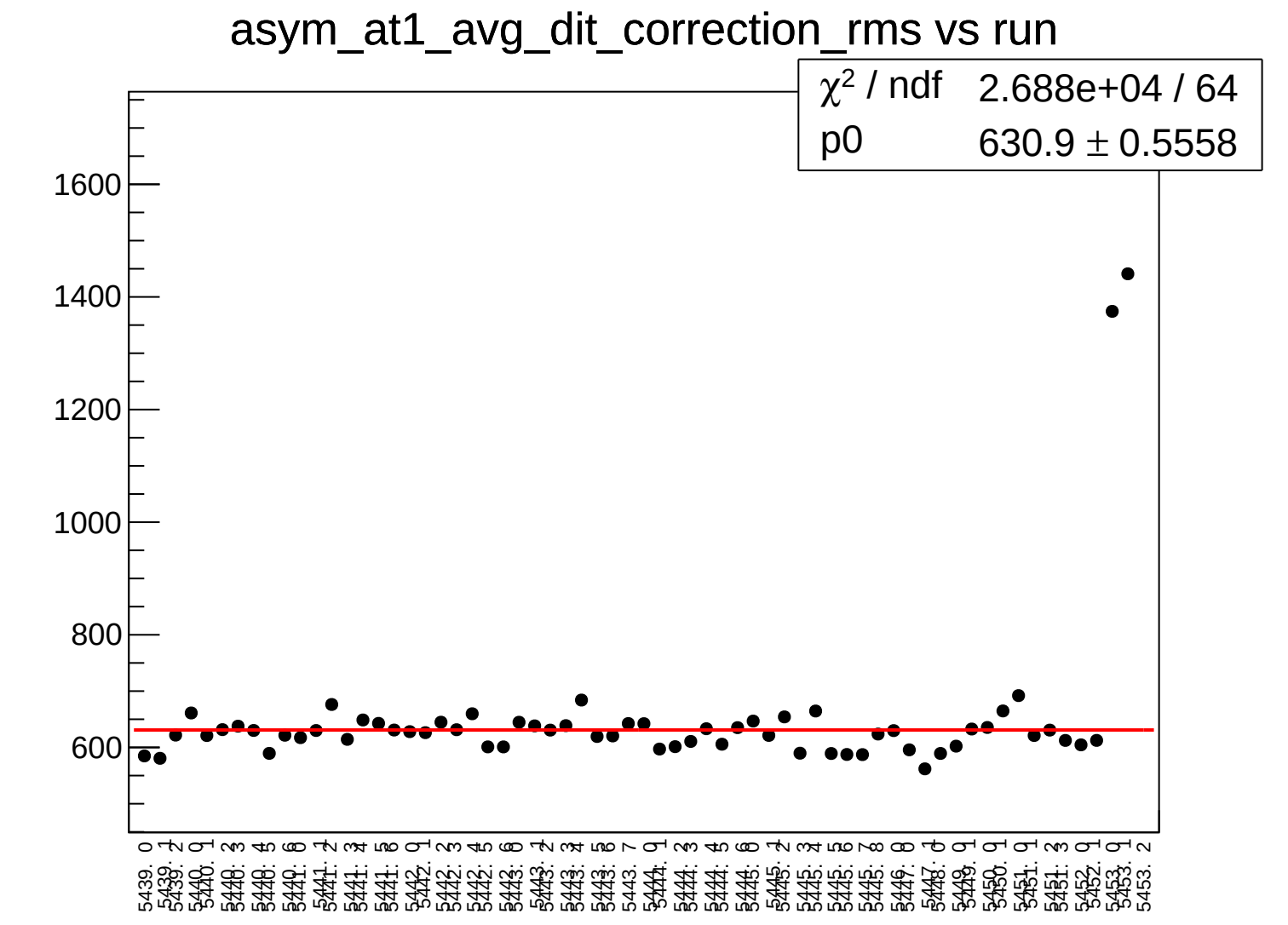

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 78.42 / 64
p0 1.344e+04 ± 7086
pull
Entries 65
Mean 66.34
Std Dev 23.62

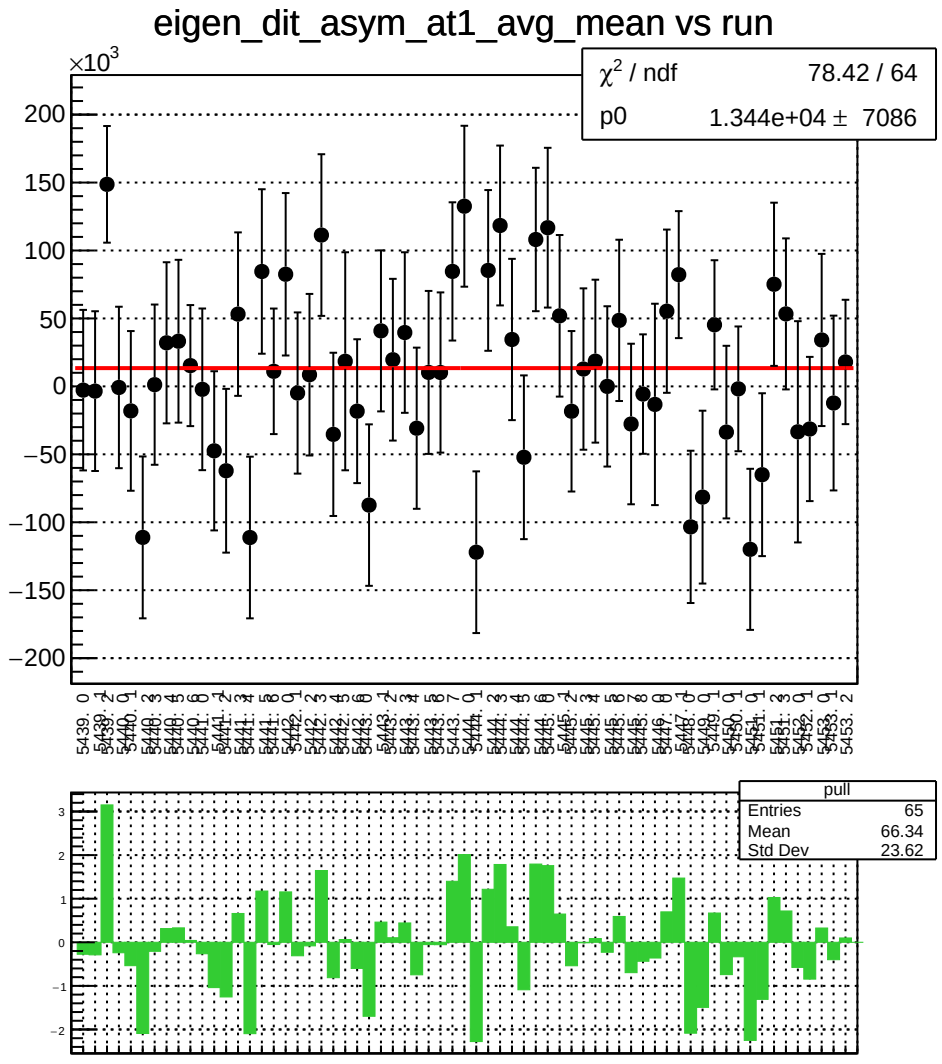

pull1D
Entries 65
Mean −0.03306
Std Dev 1.098

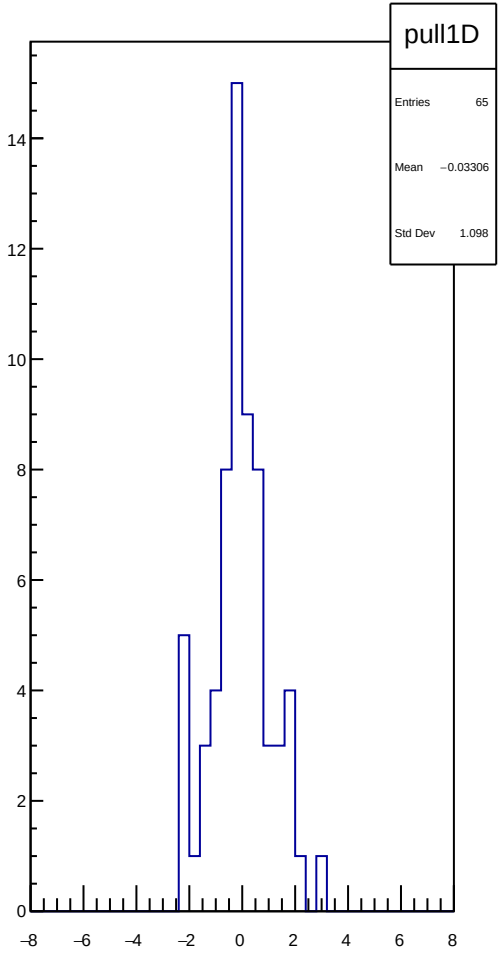

dit_asym_at1_avg_rms vs run
χ² / ndf 4314 / 64
p0 5737 ± 5.011
8000
7500
7000
6500
6000
5500

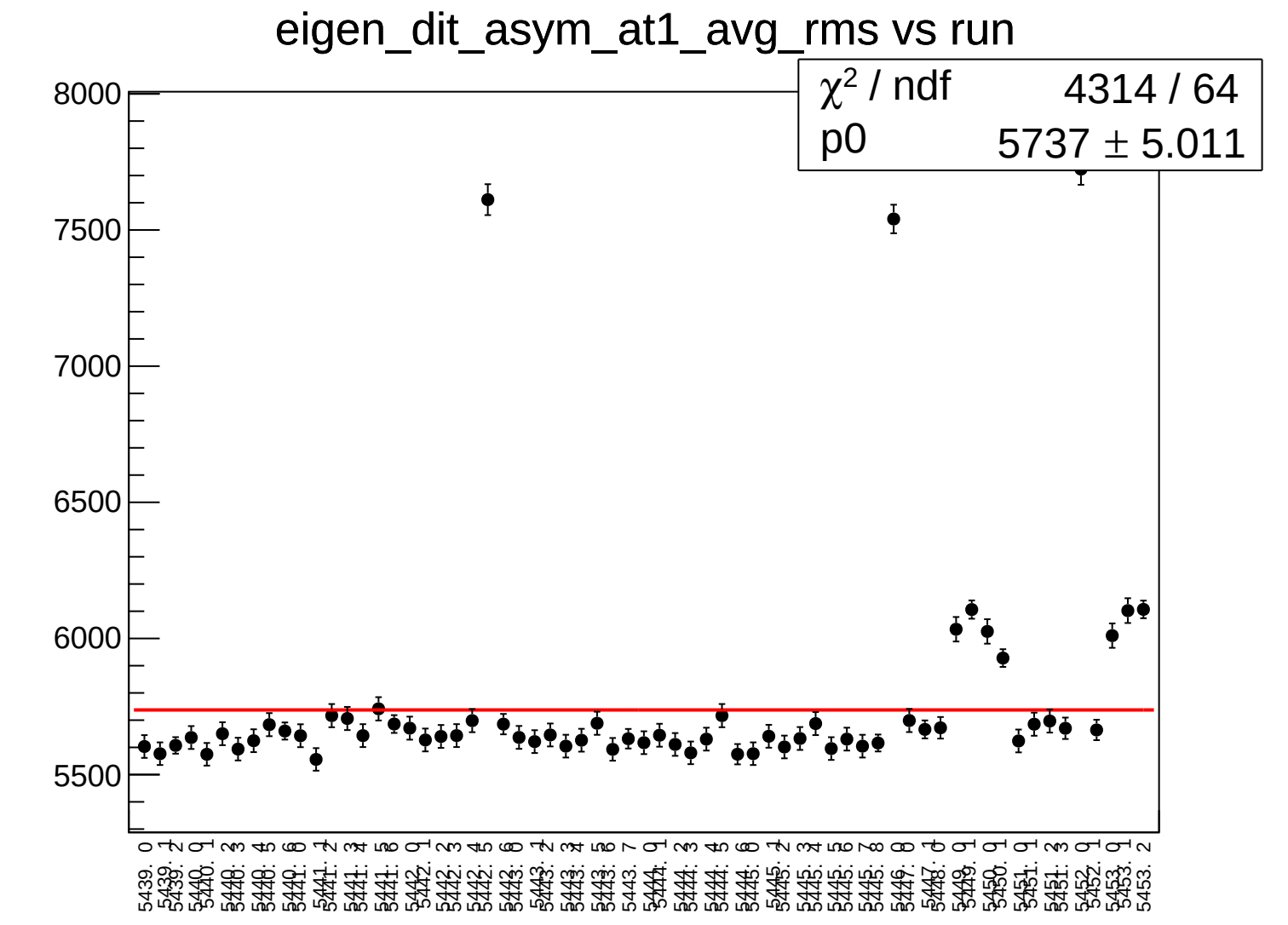

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 49.78 / 64
p0 −455.6 ± 786
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −7.614
Std Dev 16.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2

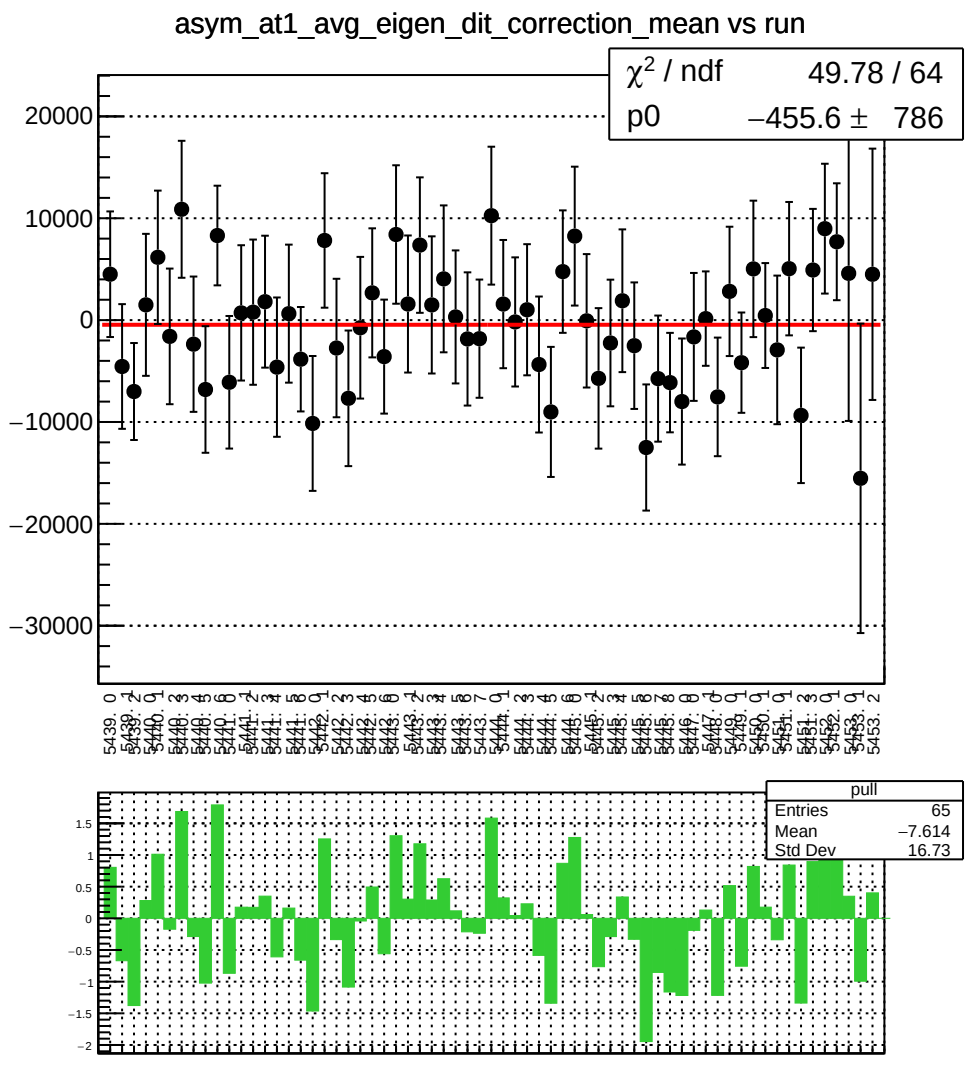

pull1D
Entries 65
Mean 0.01274
Std Dev 0.875
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

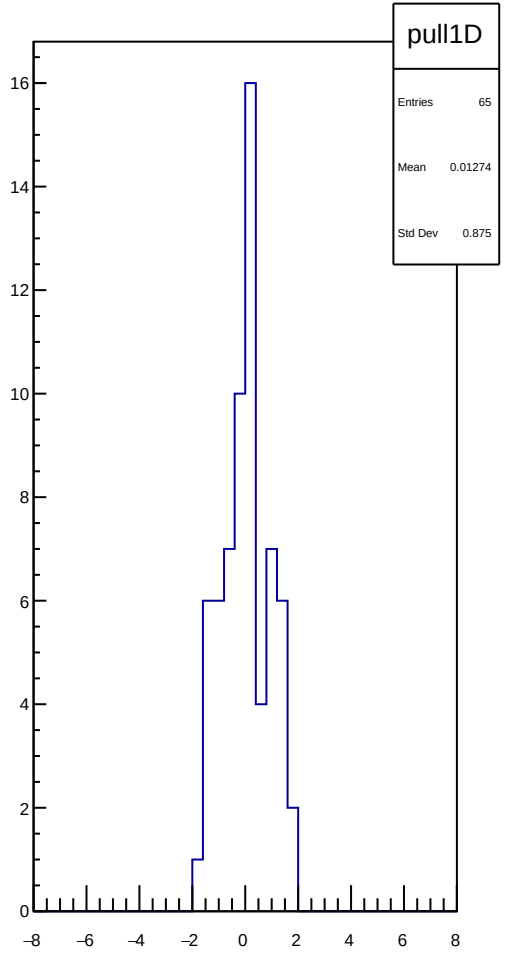

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2.688e+04 / 64
p0 630.9 ± 0.5558
1600
1400
1200
1000
800
600

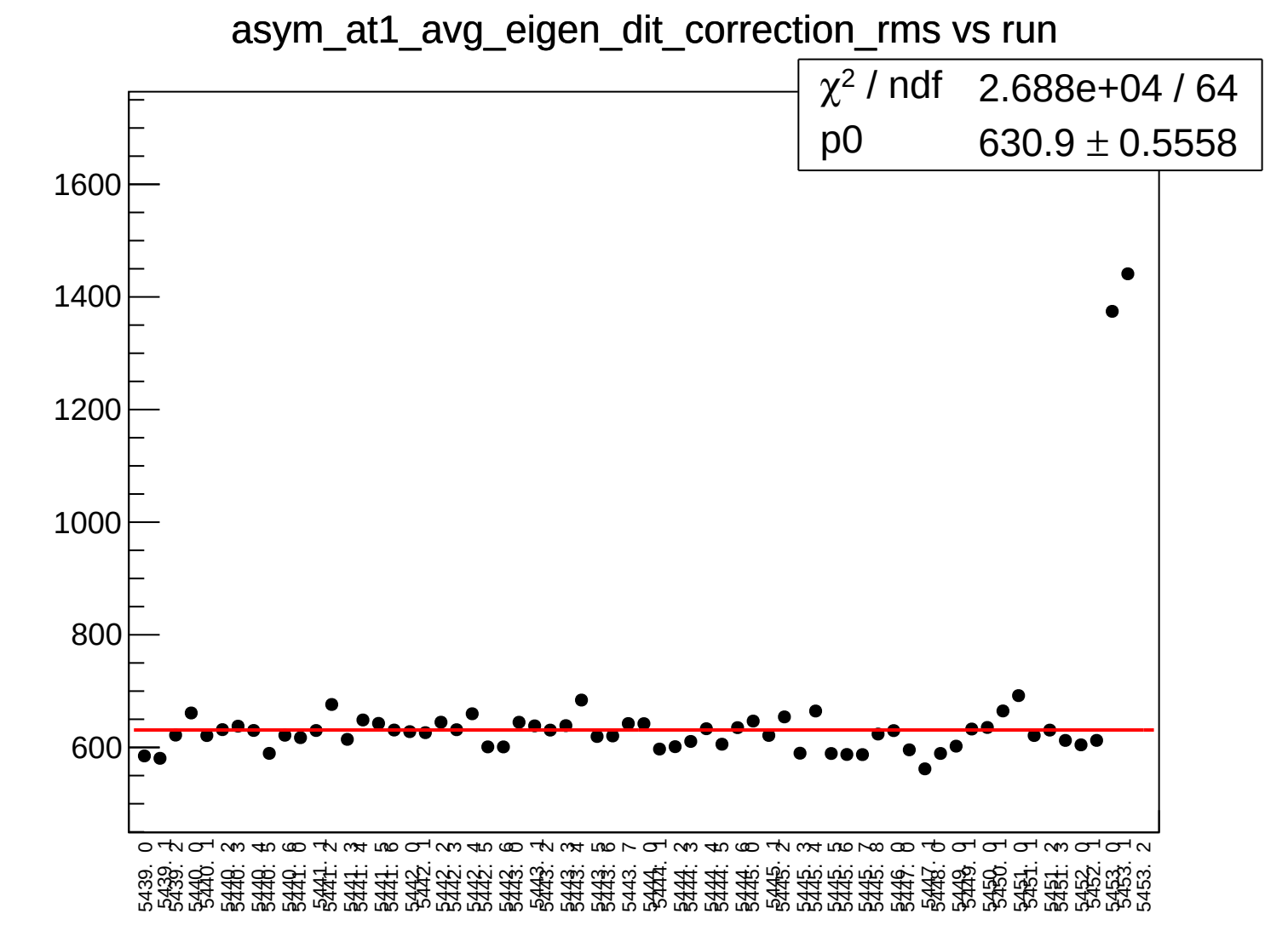

eigen_dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 78.42 / 64
p0 1.344e+04 ± 7086
pull
Entries 65
Mean 66.34
Std Dev 23.62

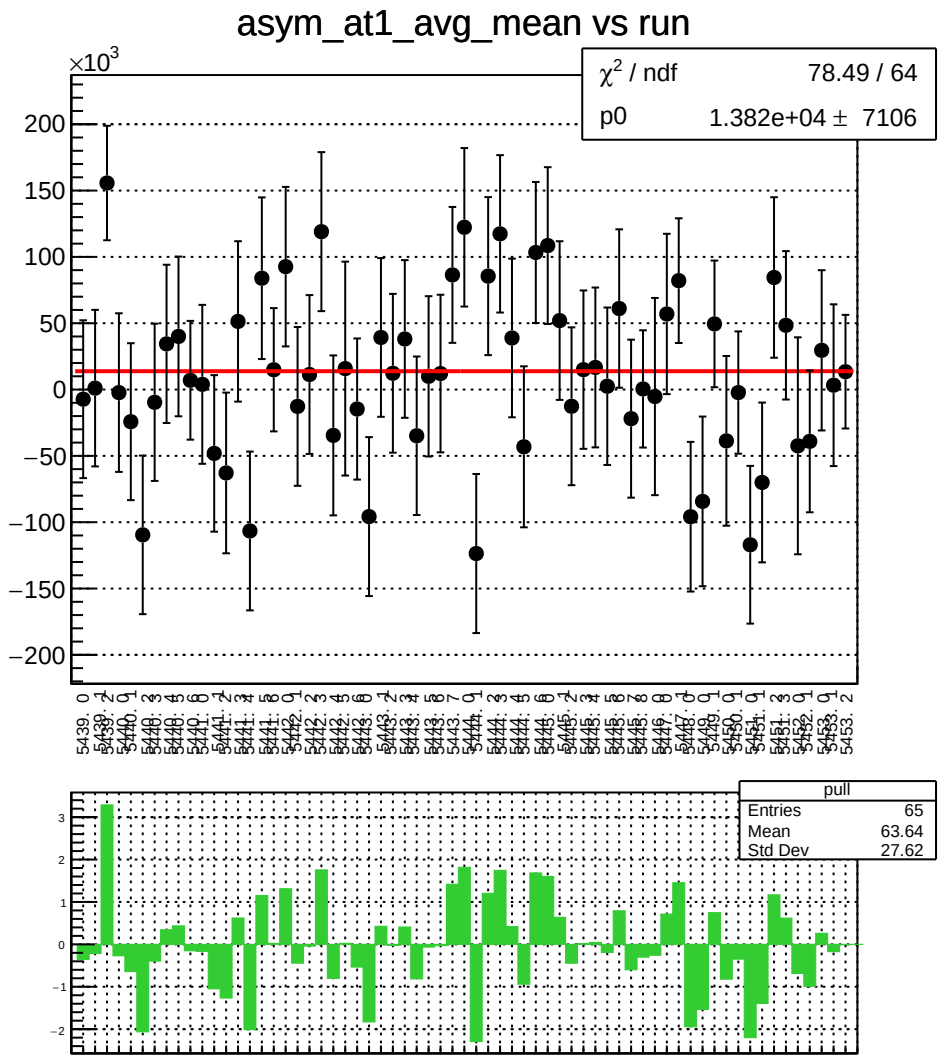

pull1D
Entries 65
Mean −0.03306
Std Dev 1.098

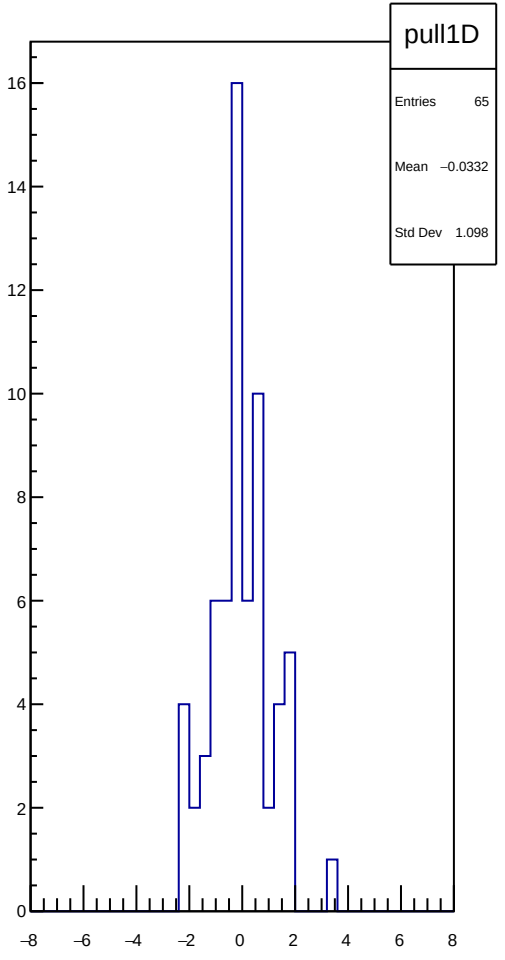

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 4314 / 64
p0 5737 ± 5.011
8000
7500
7000
6500
6000
5500

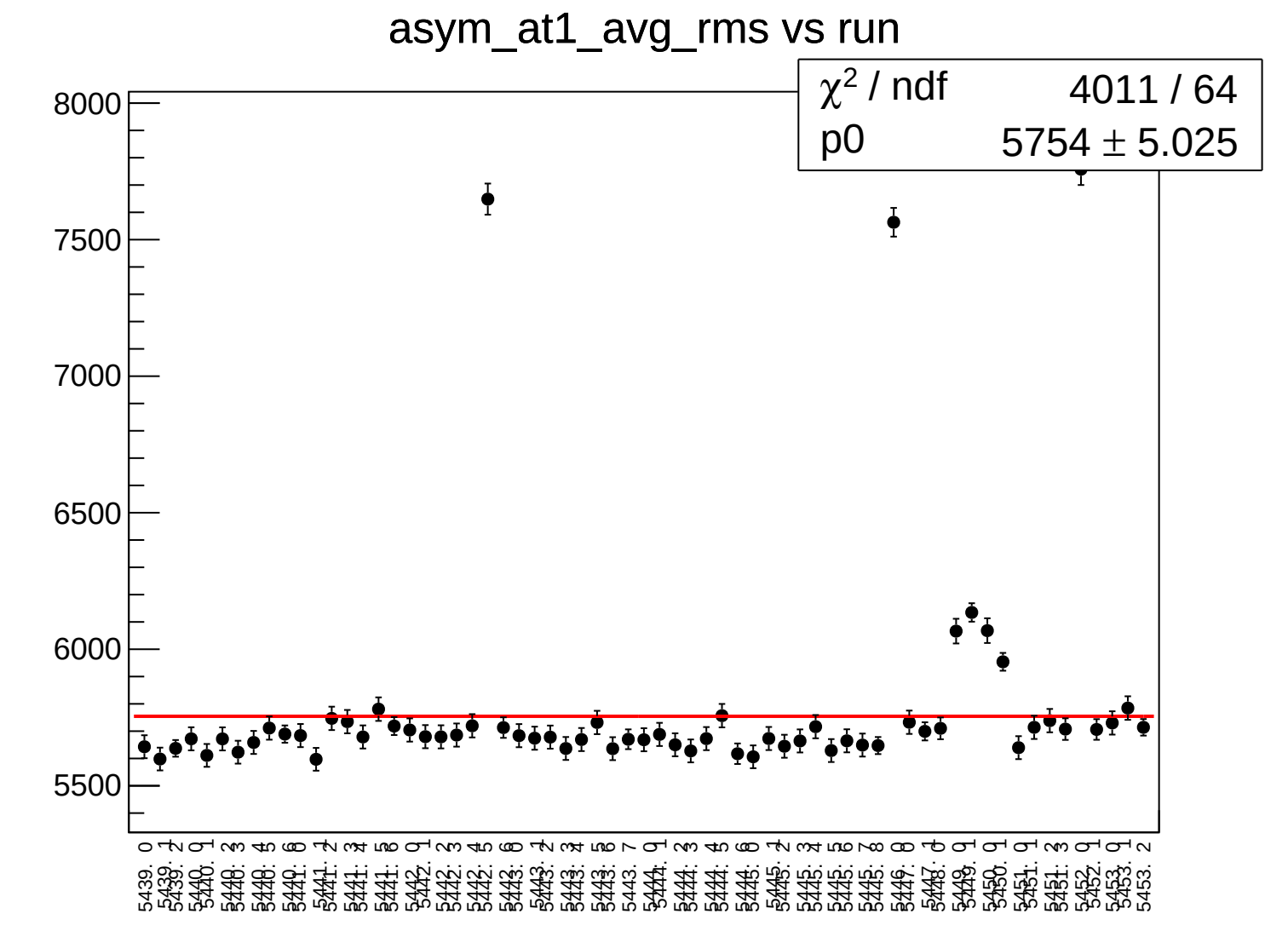

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.78 / 64
p0 −455.6 ± 786
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −7.614
Std Dev 16.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2

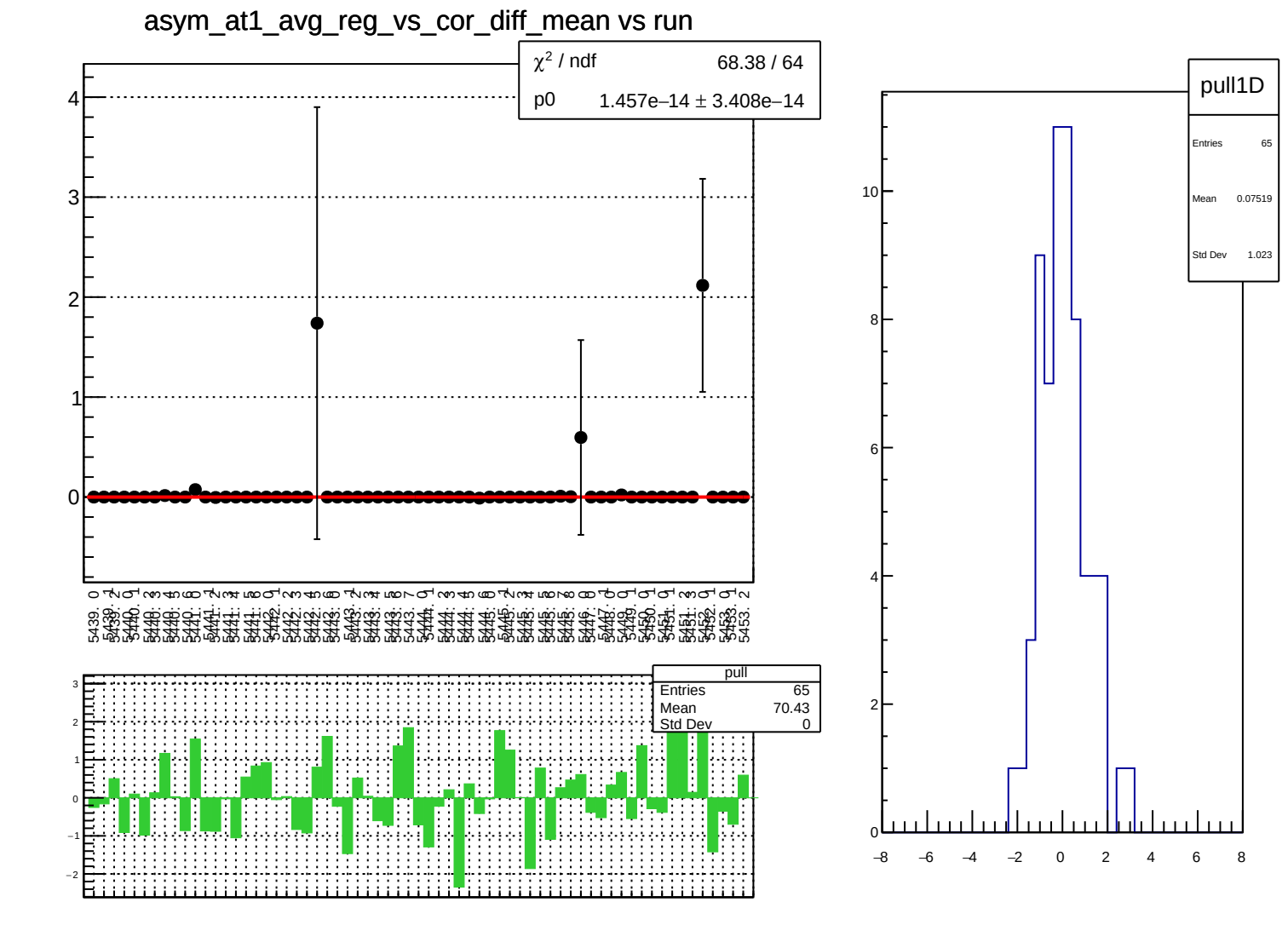

pull1D
Entries 65
Mean 0.01274
Std Dev 0.875
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

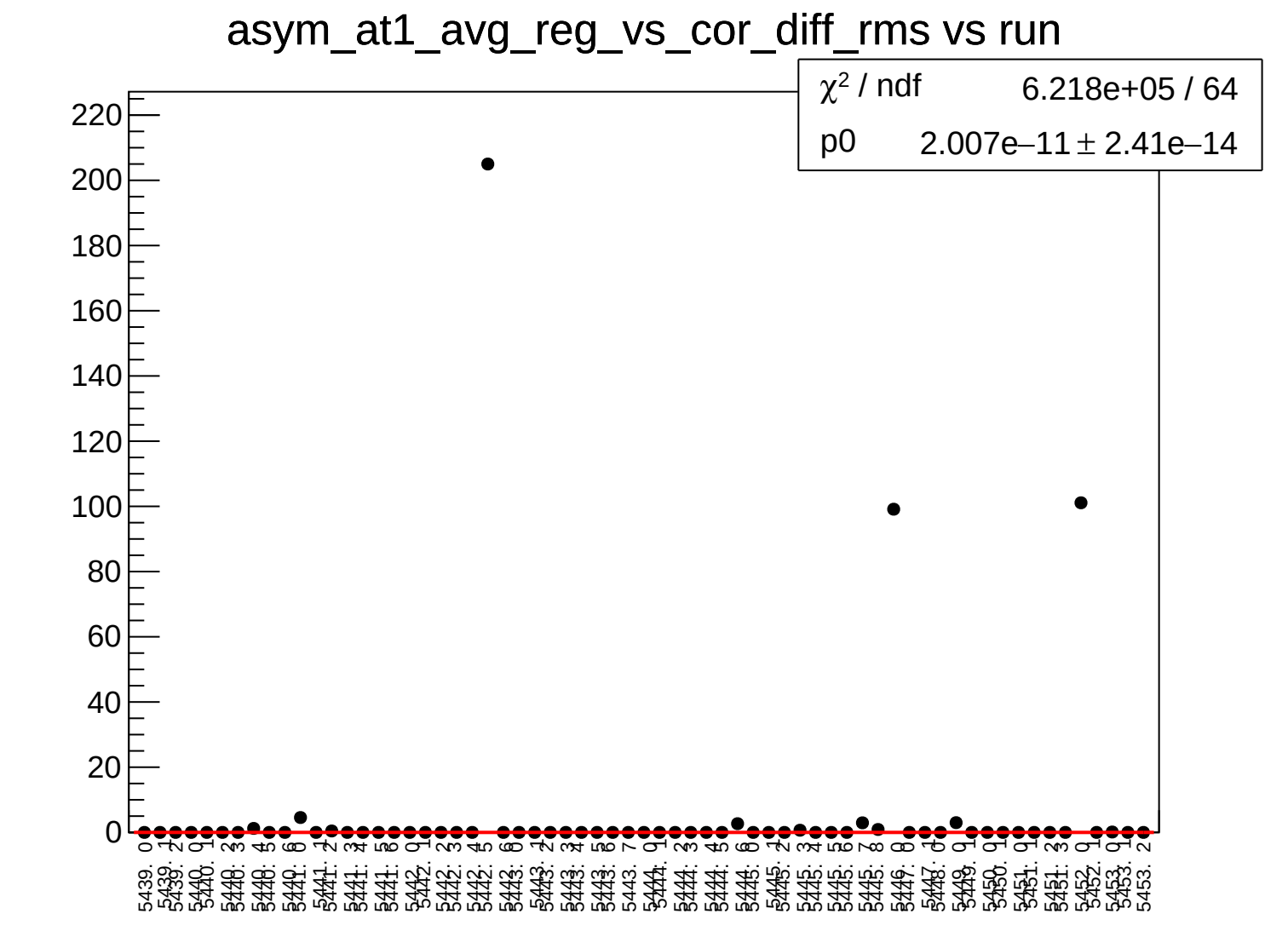

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.688e+04 / 64
p0 630.9 ± 0.5558
1600
1400
1200
1000
800
600

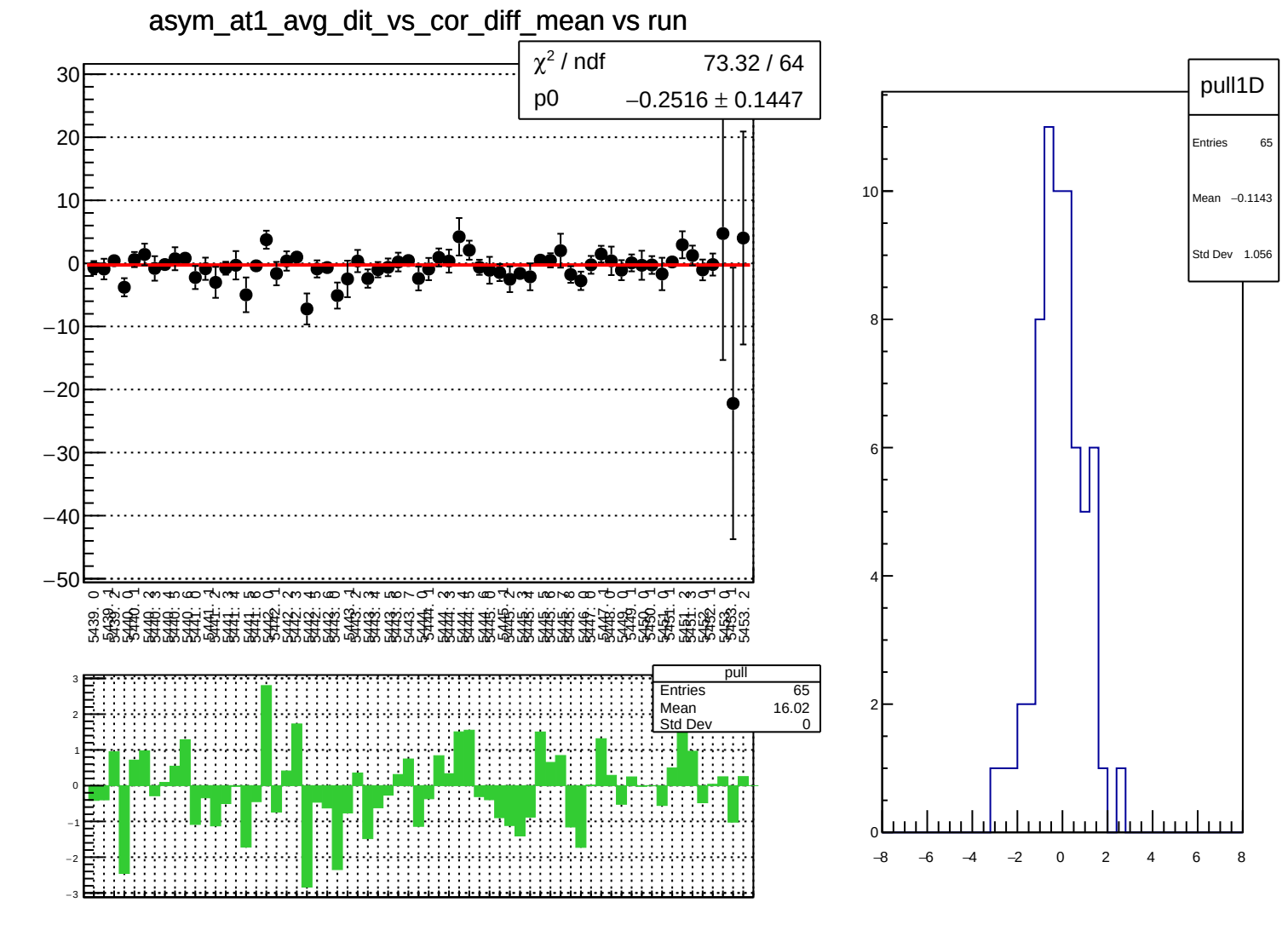

asym_at1_avg_mean vs run
×10^3
χ² / ndf 78.49 / 64
p0 1.382e+04 ± 7106
pull
Entries 65
Mean 63.64
Std Dev 27.62

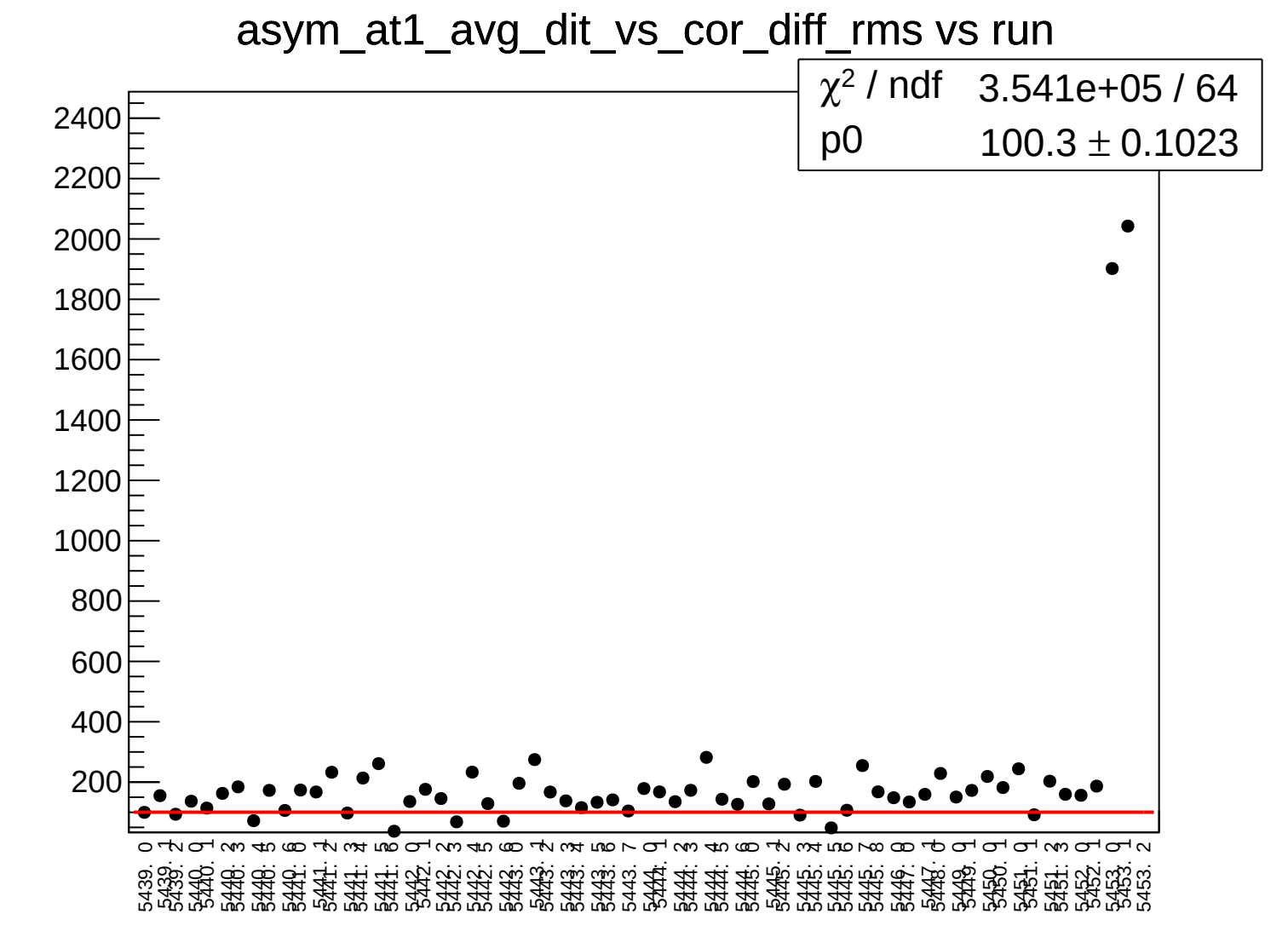

pull1D
Entries 65
Mean −0.0332
Std Dev 1.098

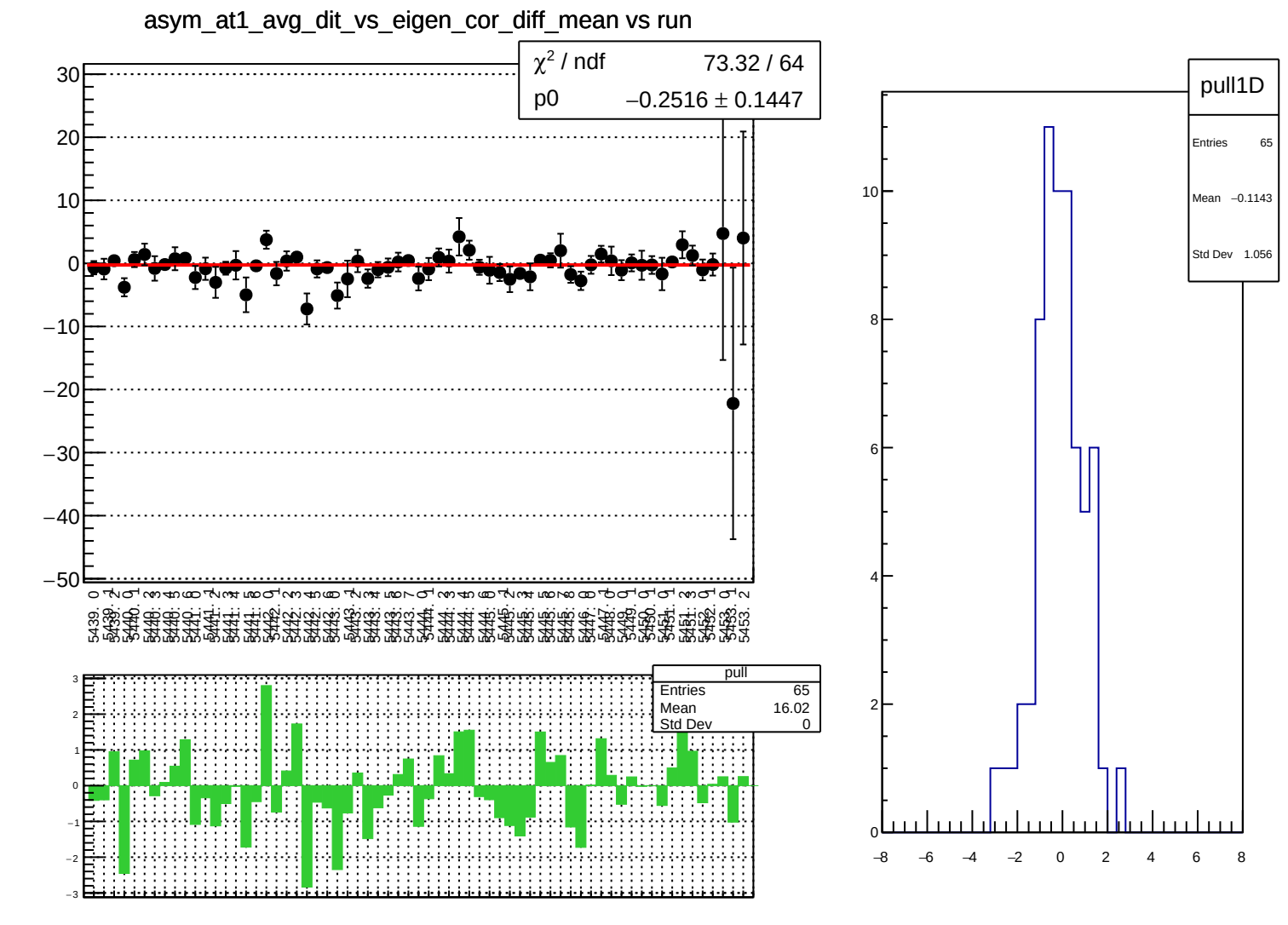

asym_at1_avg_rms vs run
χ² / ndf 4011 / 64
p0 5754 ± 5.025
8000
7500
7000
6500
6000
5500

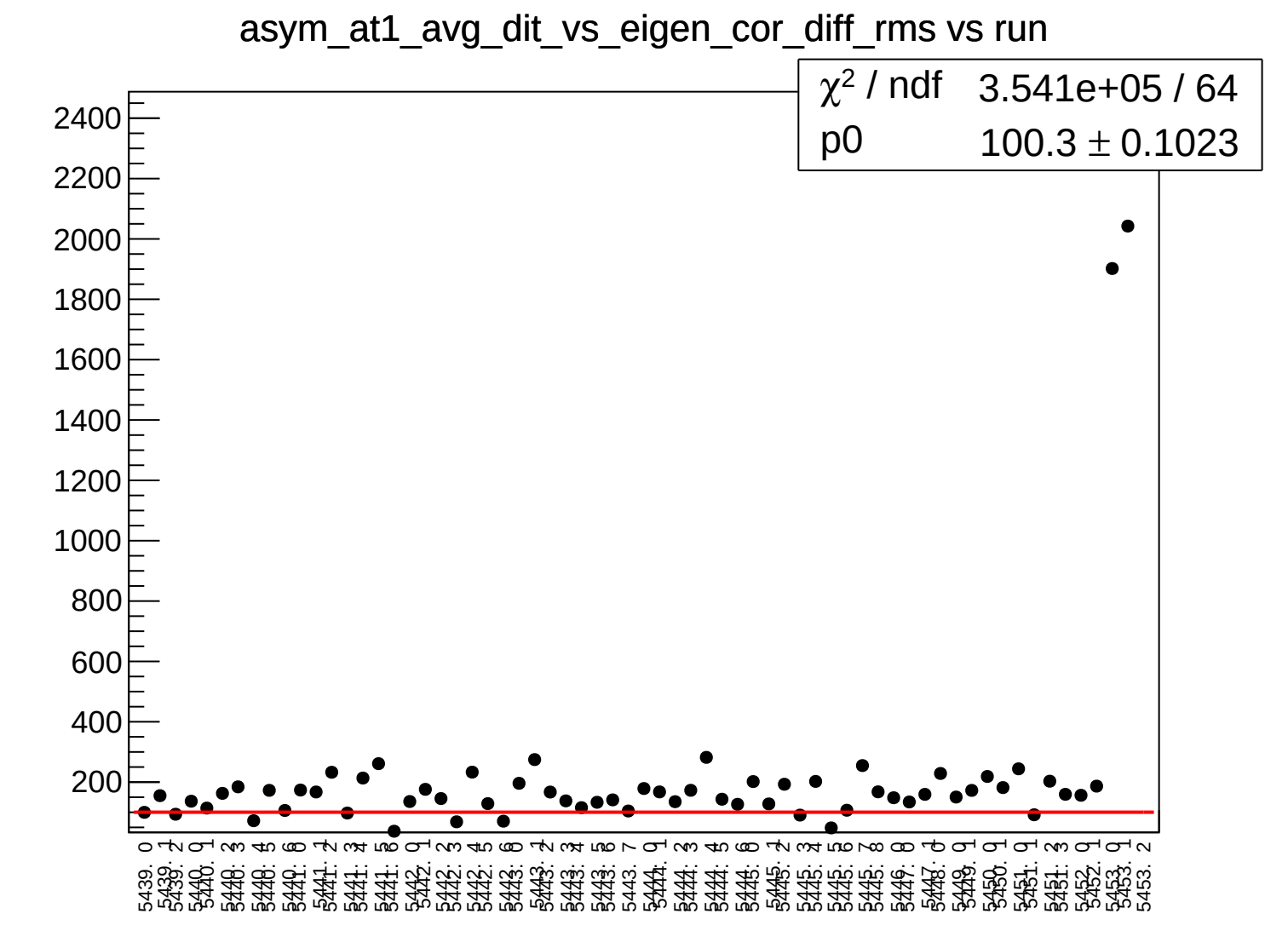

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.38 / 64
p0 1.457e−14 ± 3.408e−14
pull
Entries 65
Mean 70.43
Std Dev 0
pull1D
Entries 65
Mean 0.07519
Std Dev 1.023

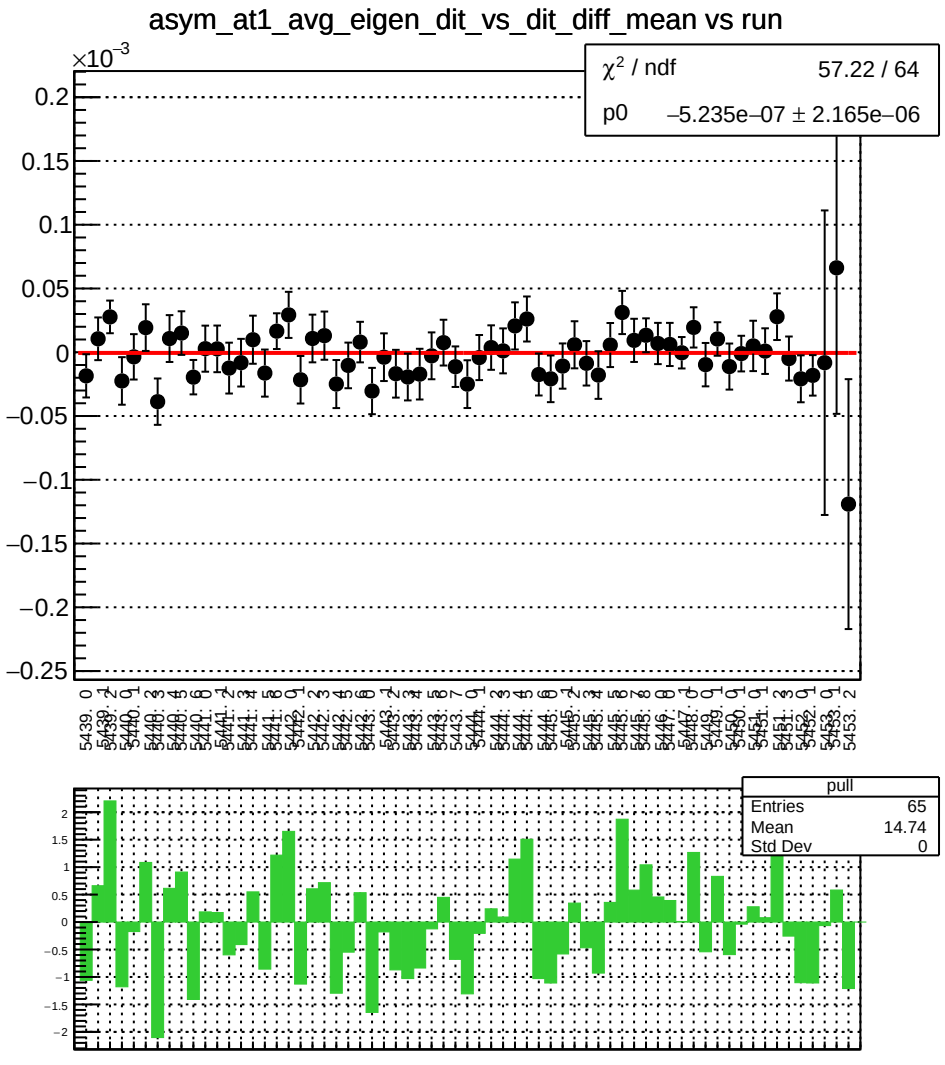

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.218e+05 / 64
p0 2.007e−11 ± 2.41e−14
220
200
180
160
140
120
100
80
60
40
20
0

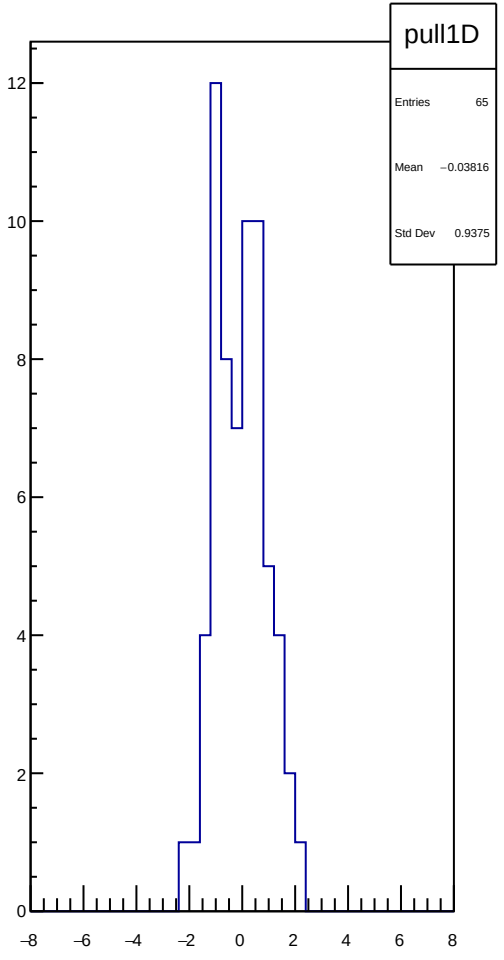

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.32 / 64
p0 −0.2516 ± 0.1447
pull
Entries 65
Mean 16.02
Std Dev 0
pull1D
Entries 65
Mean −0.1143
Std Dev 1.056

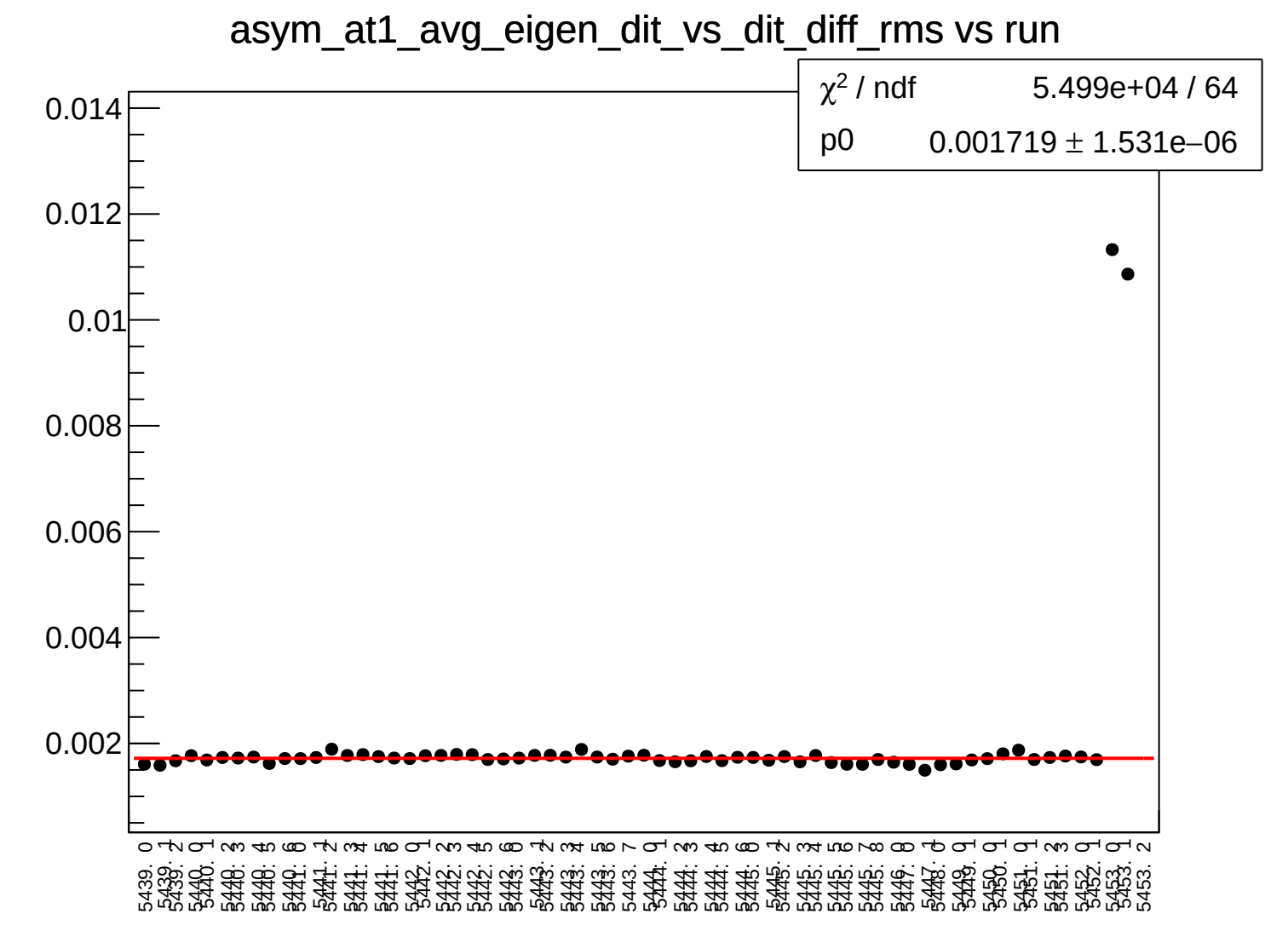

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.541e+05 / 64
p0 100.3 ± 0.1023
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

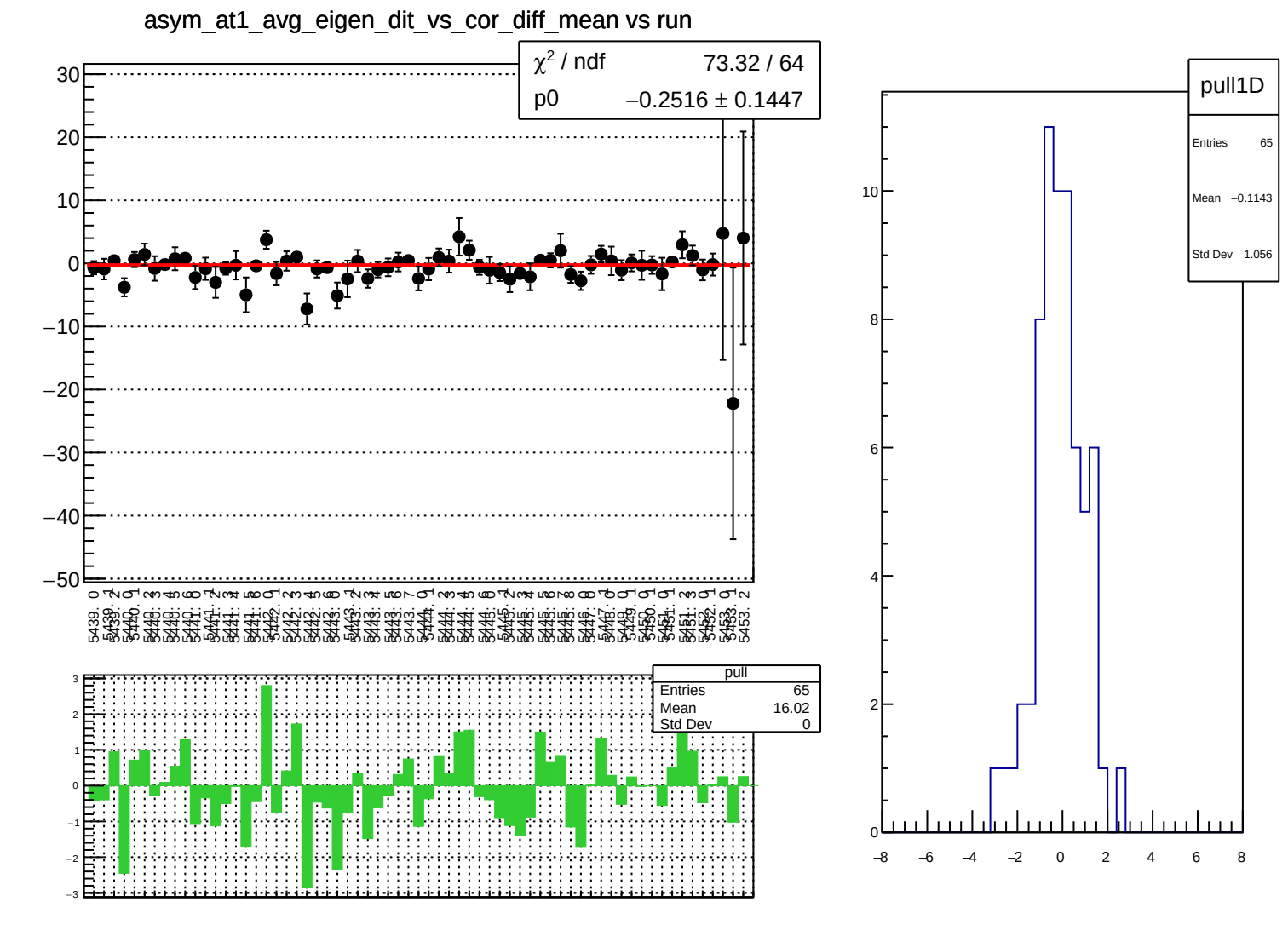

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.32 / 64
p0 −0.2516 ± 0.1447
pull
Entries 65
Mean 16.02
Std Dev 0
pull1D
Entries 65
Mean −0.1143
Std Dev 1.056

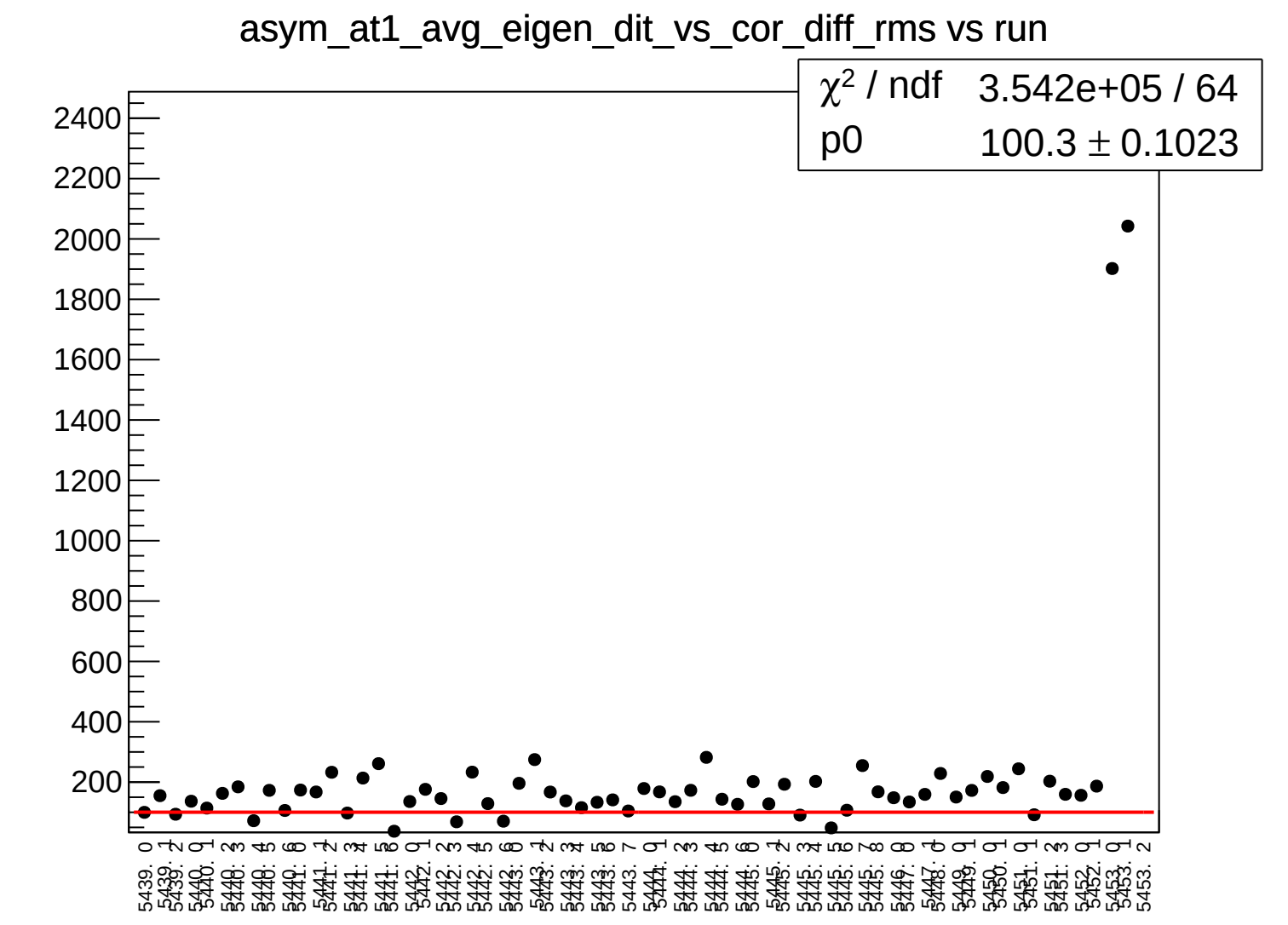

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.541e+05 / 64
p0 100.3 ± 0.1023
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

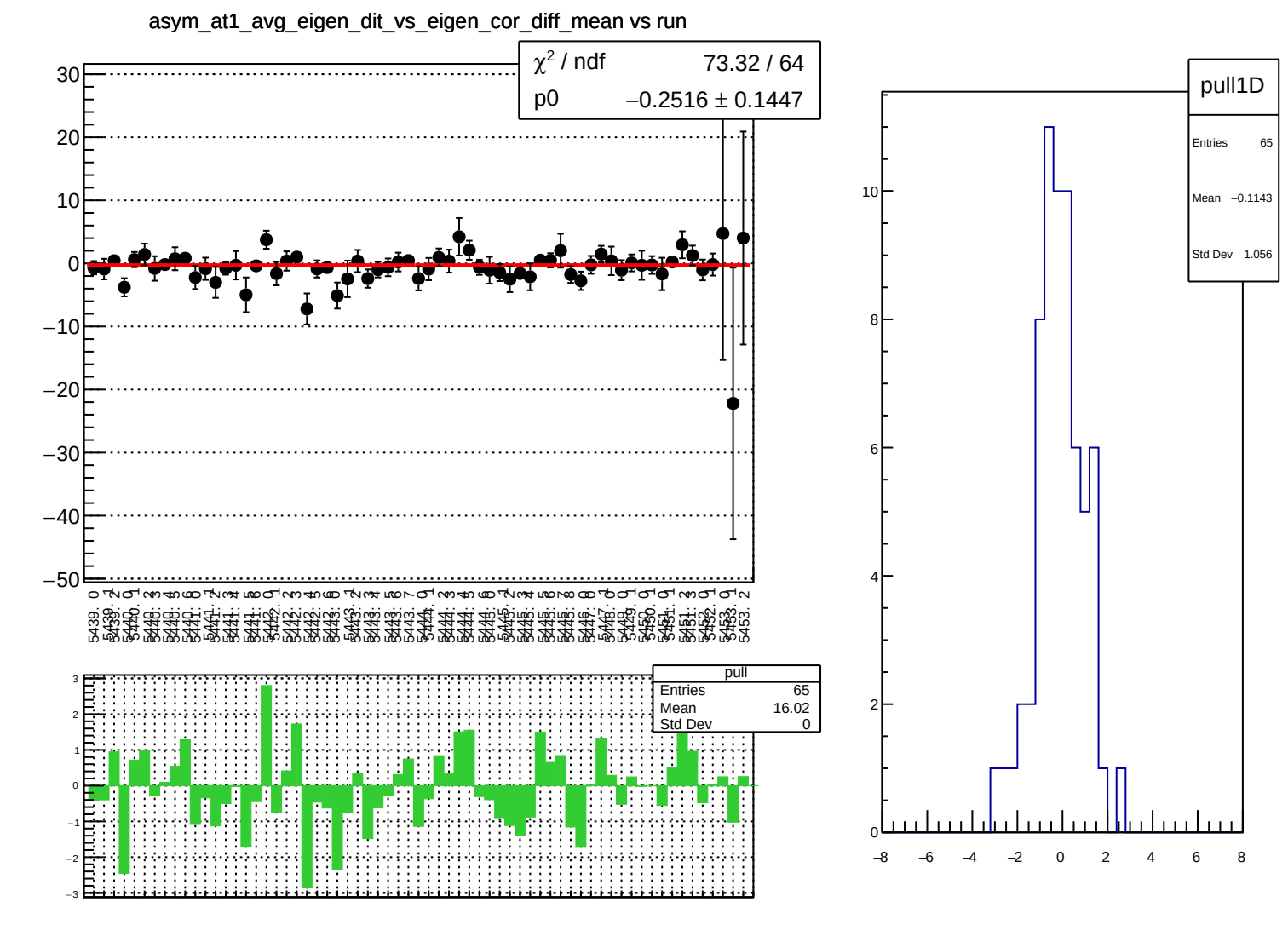

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 57.22 / 64
p0 −5.235e−07 ± 2.165e−06
pull
Entries 65
Mean 14.74
Std Dev 0

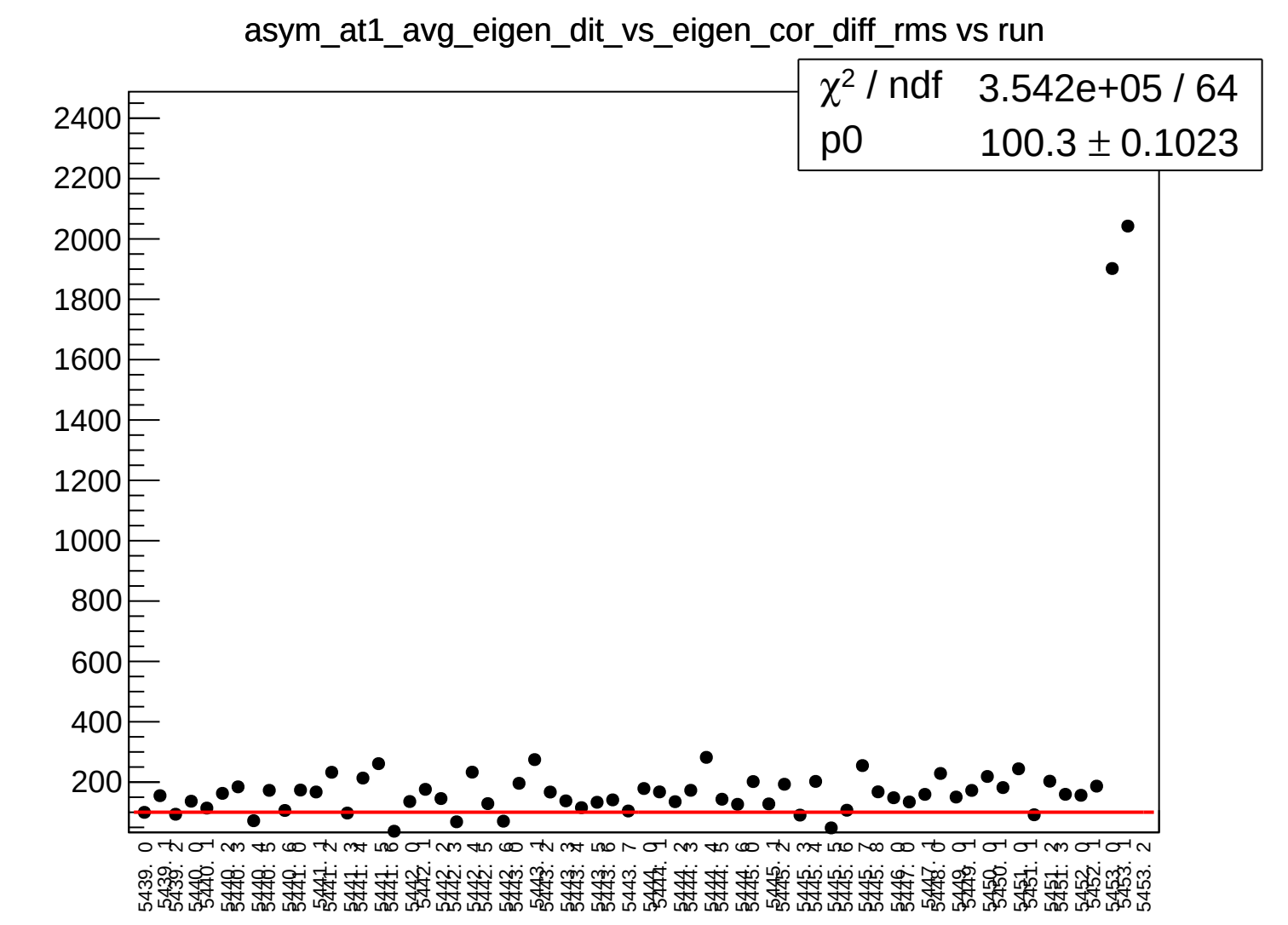

pull1D
Entries 65
Mean −0.03816
Std Dev 0.9375

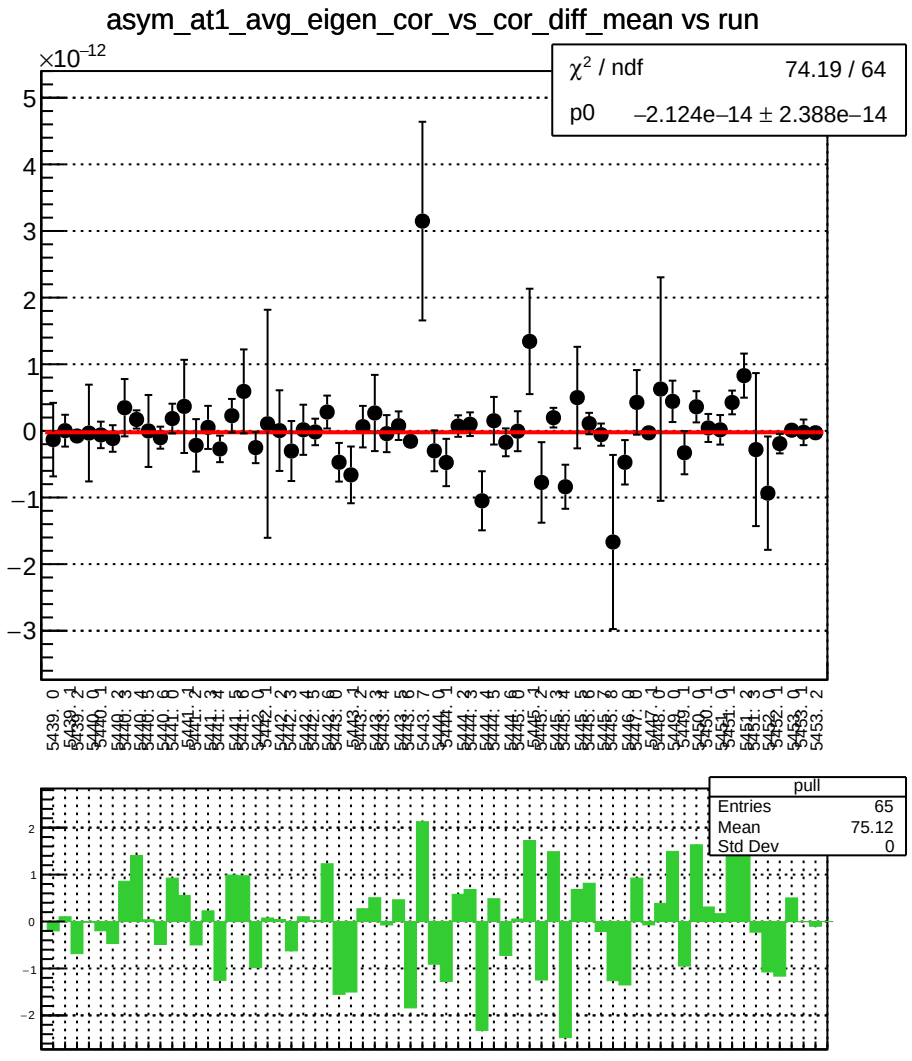

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.499e+04 / 64
p0 0.001719 ± 1.531e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

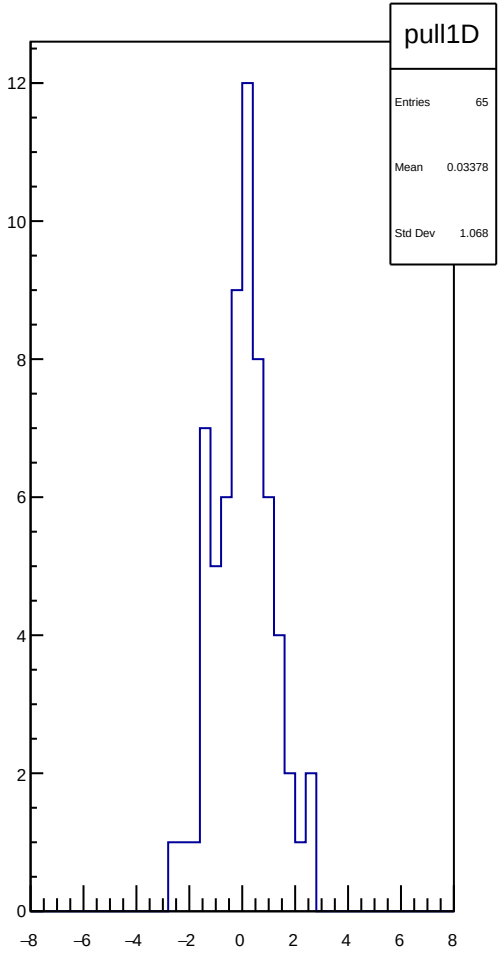

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.32 / 64
p0 −0.2516 ± 0.1447
pull
Entries 65
Mean 16.02
Std Dev 0
pull1D
Entries 65
Mean −0.1143
Std Dev 1.056

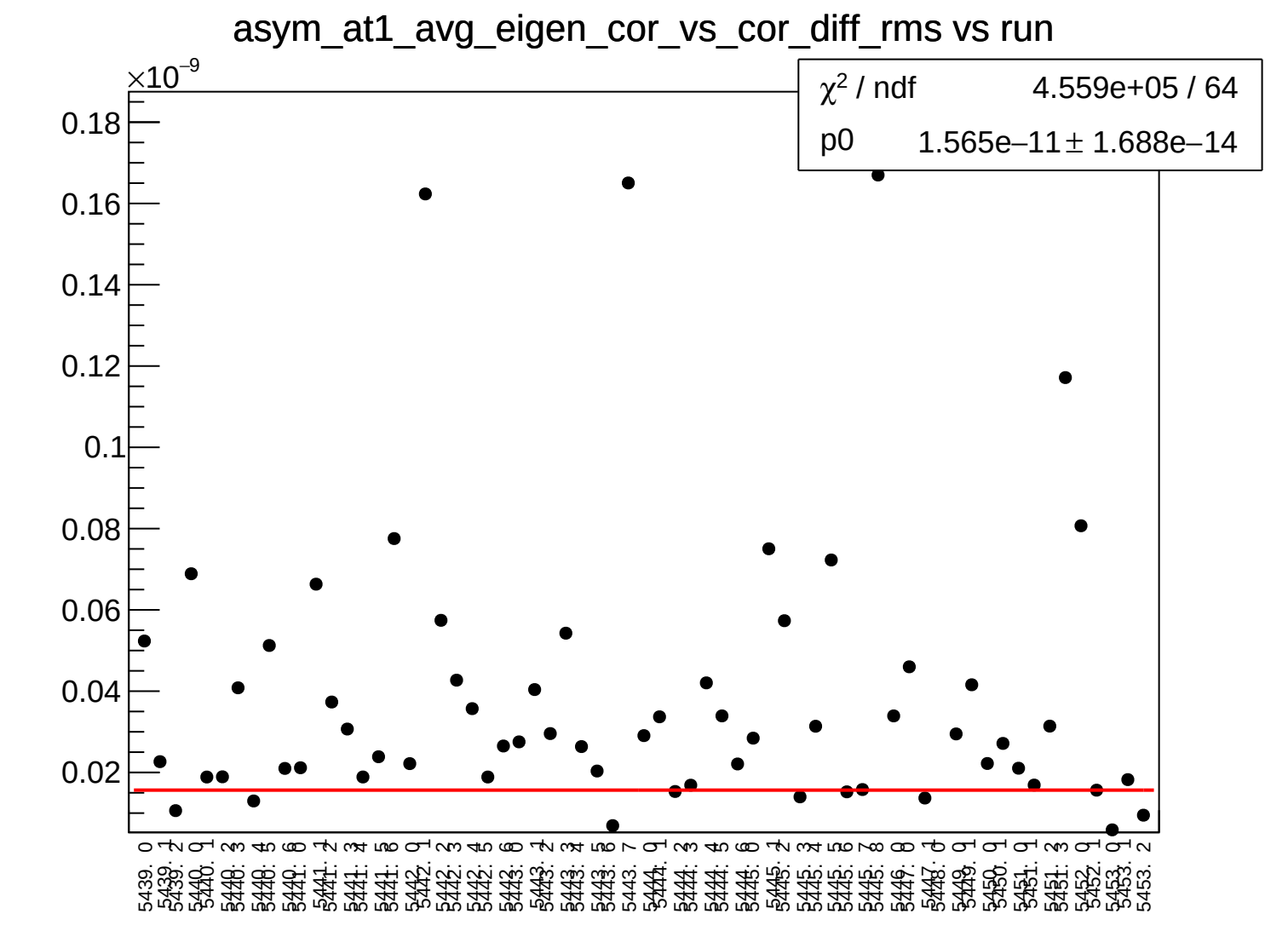

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.542e+05 / 64
p0 100.3 ± 0.1023
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

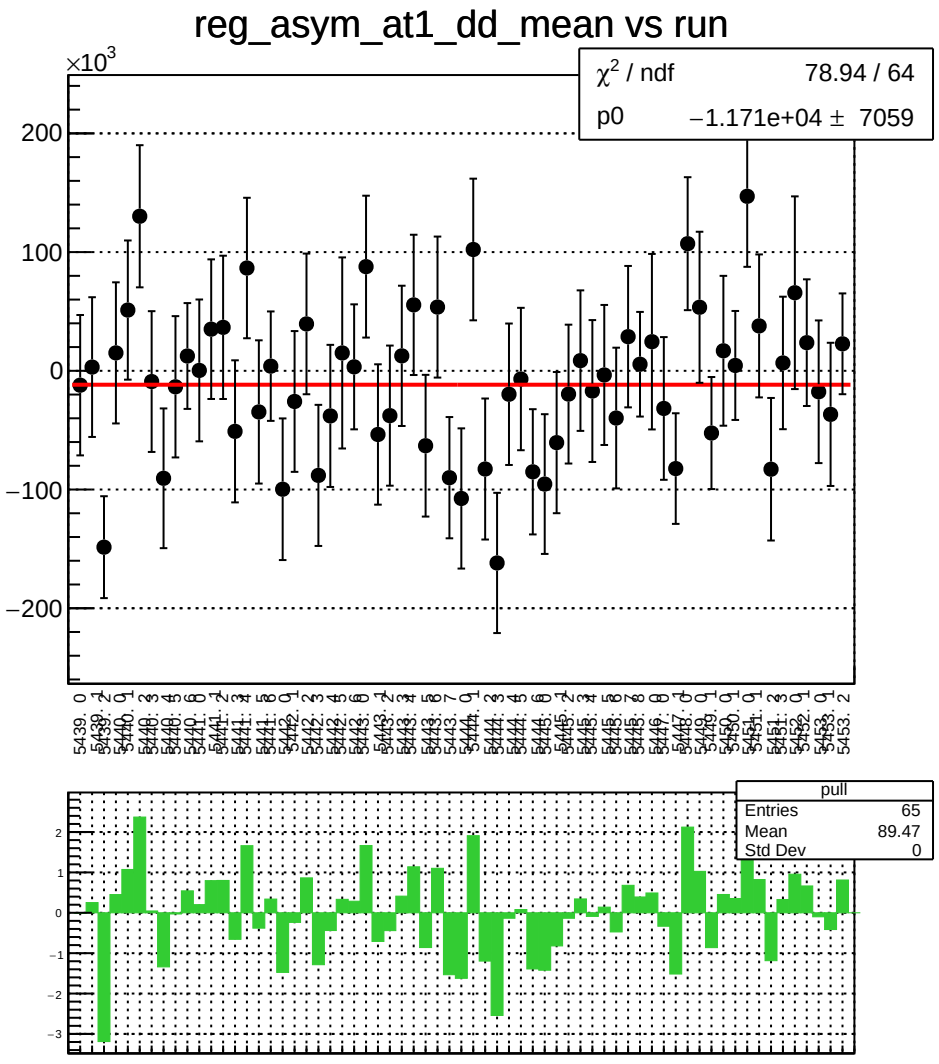

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.32 / 64
p0 −0.2516 ± 0.1447
pull
Entries 65
Mean 16.02
Std Dev 0
pull1D
Entries 65
Mean −0.1143
Std Dev 1.056

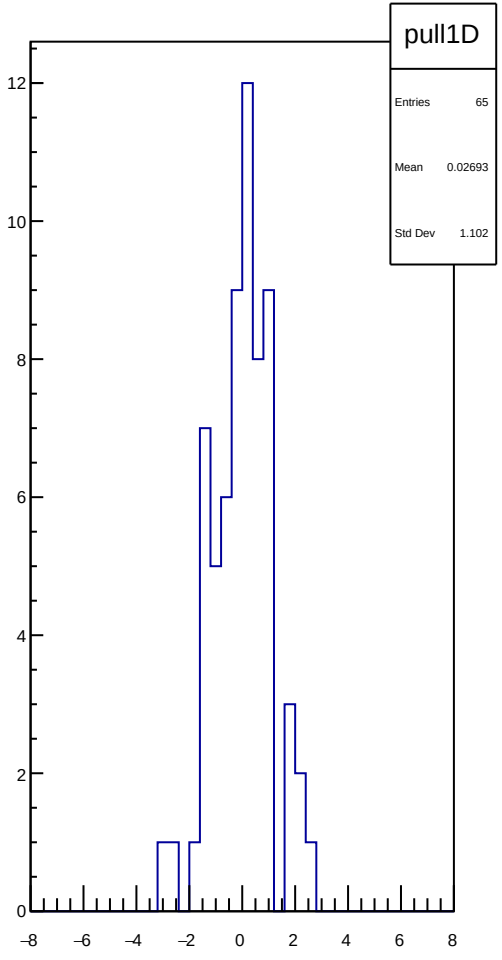

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.542e+05 / 64
p0 100.3 ± 0.1023
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

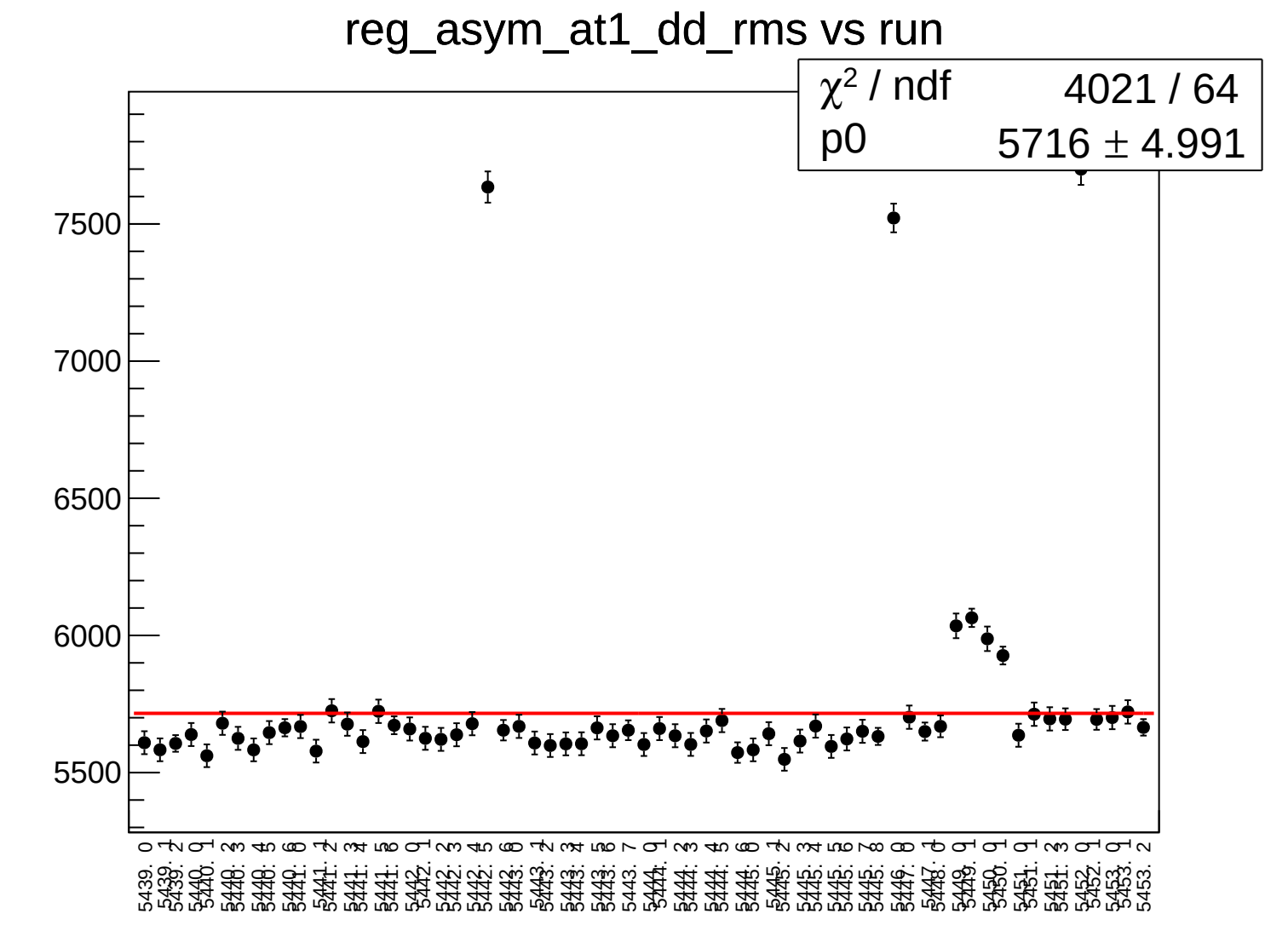

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.19 / 64
p0 −2.124e−14 ± 2.388e−14
pull
Entries 65
Mean 75.12
Std Dev 0

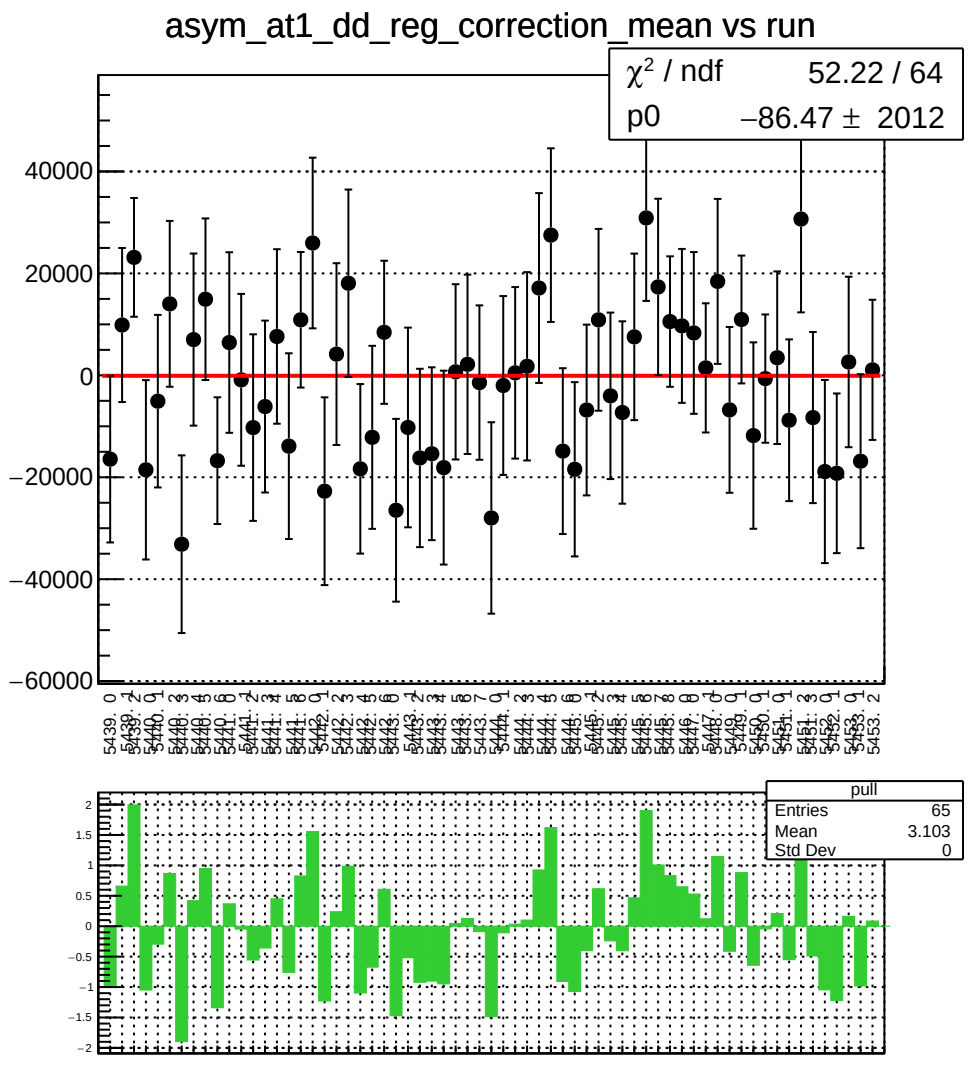

pull1D
Entries 65
Mean 0.03378
Std Dev 1.068

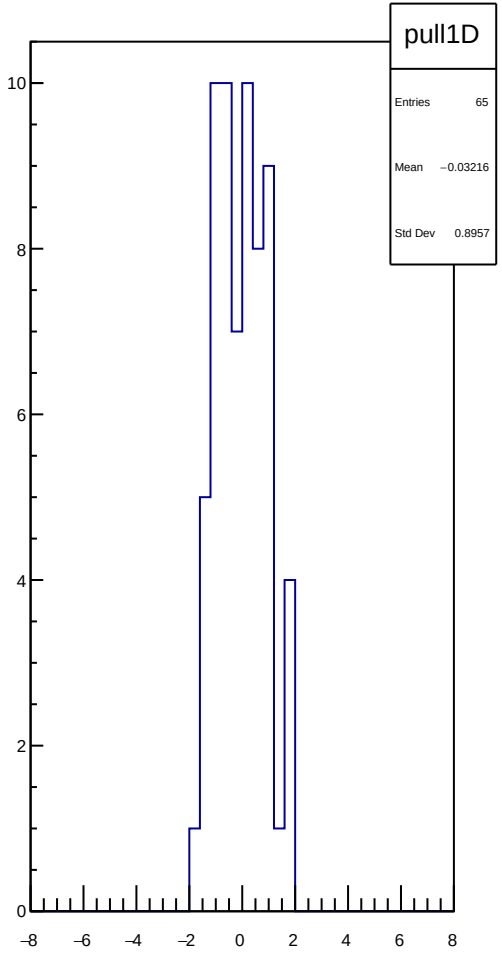

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.559e+05 / 64
p0 1.565e−11 ± 1.688e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

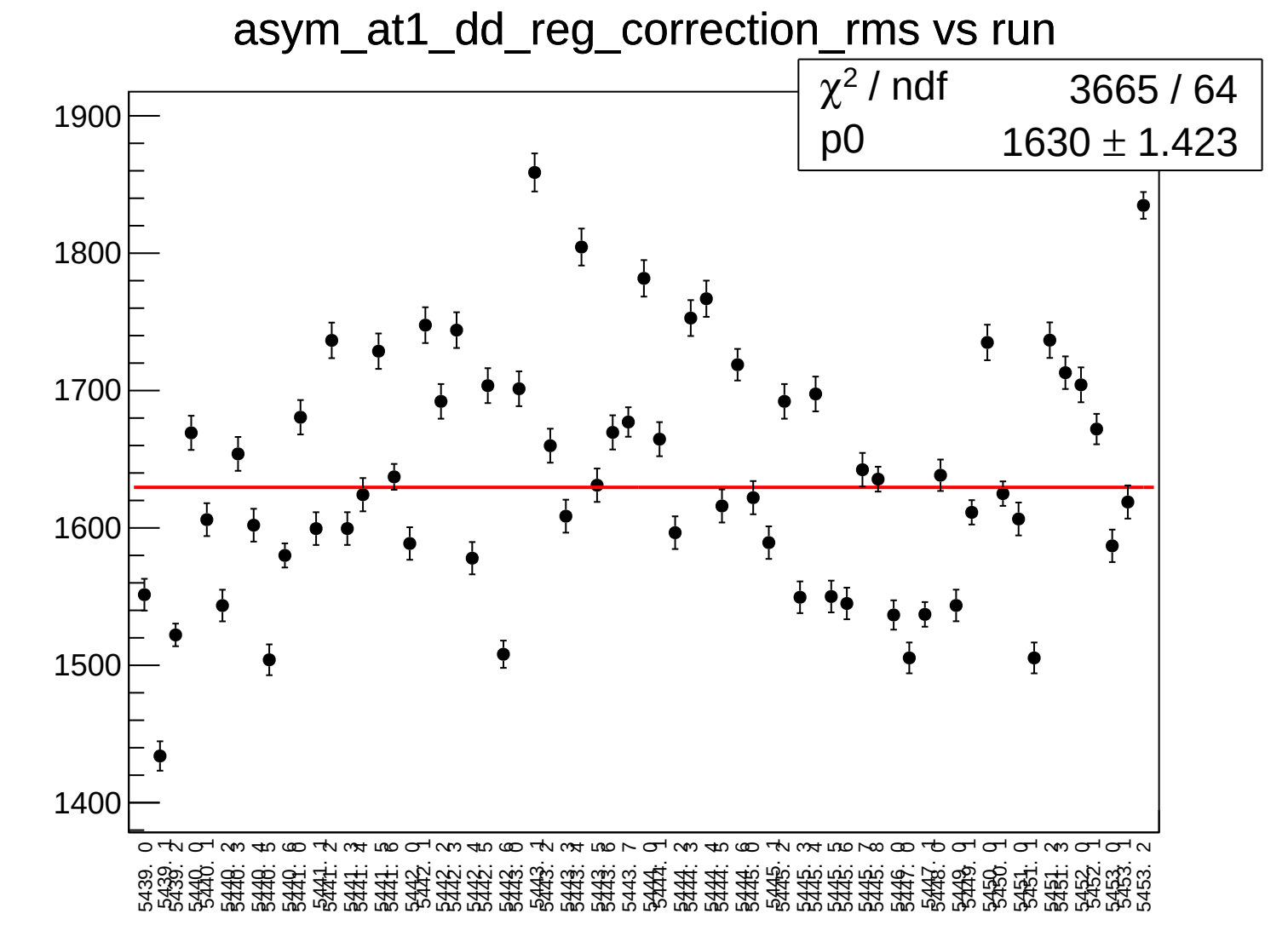

reg_asym_at1_dd_mean vs run
×10^3
χ² / ndf 78.94 / 64
p0 −1.171e+04 ± 7059
200
100
0
−100
−200
pull
Entries 65
Mean 89.47
Std Dev 0
2
1
0
−1
−2
−3

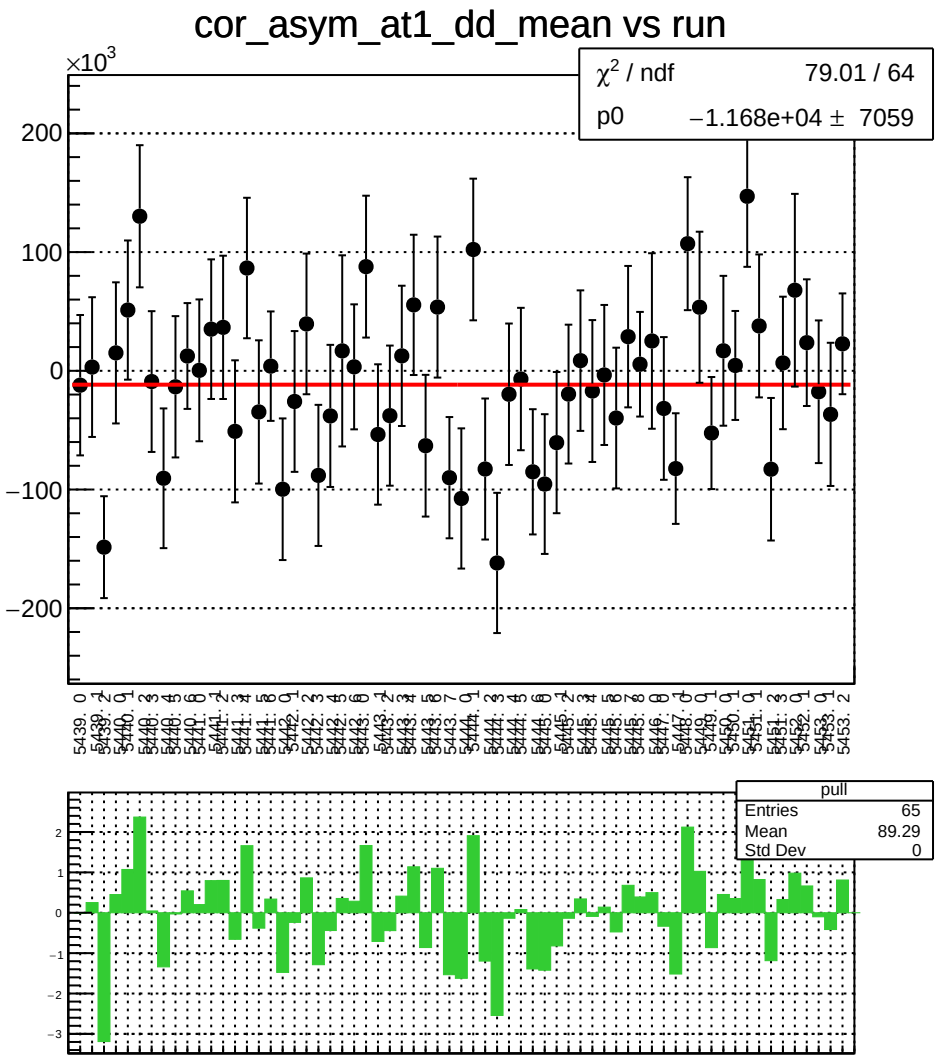

pull1D
Entries 65
Mean 0.02693
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

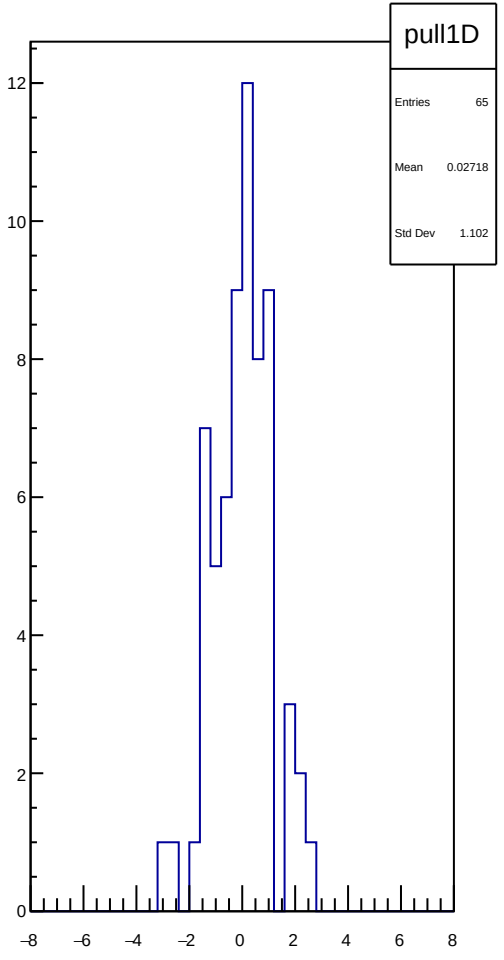

reg_asym_at1_dd_rms vs run
χ² / ndf 4021 / 64
p0 5716 ± 4.991
7500
7000
6500
6000
5500

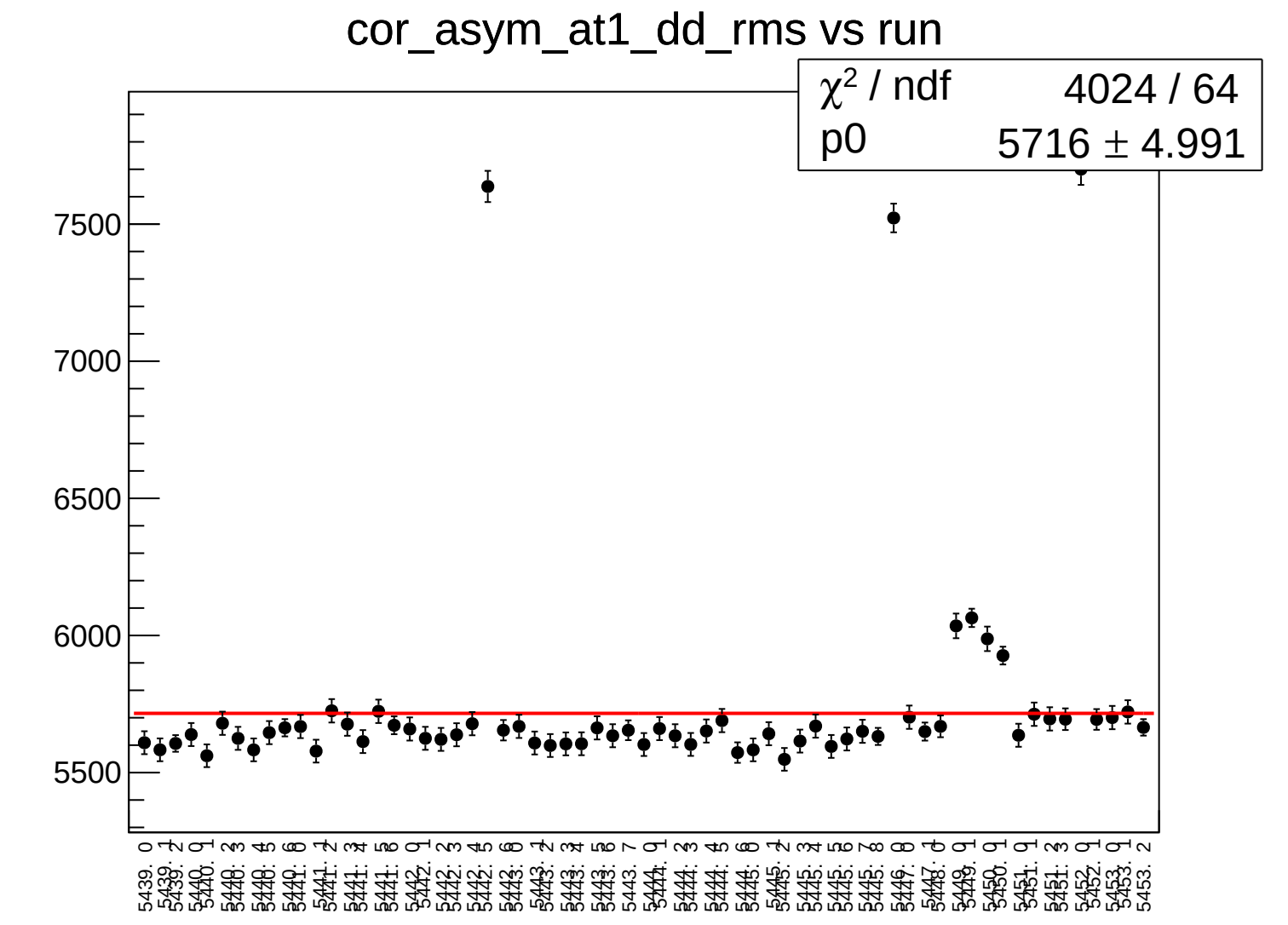

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 52.22 / 64
p0 −86.47 ± 2012
pull
Entries 65
Mean 3.103
Std Dev 0

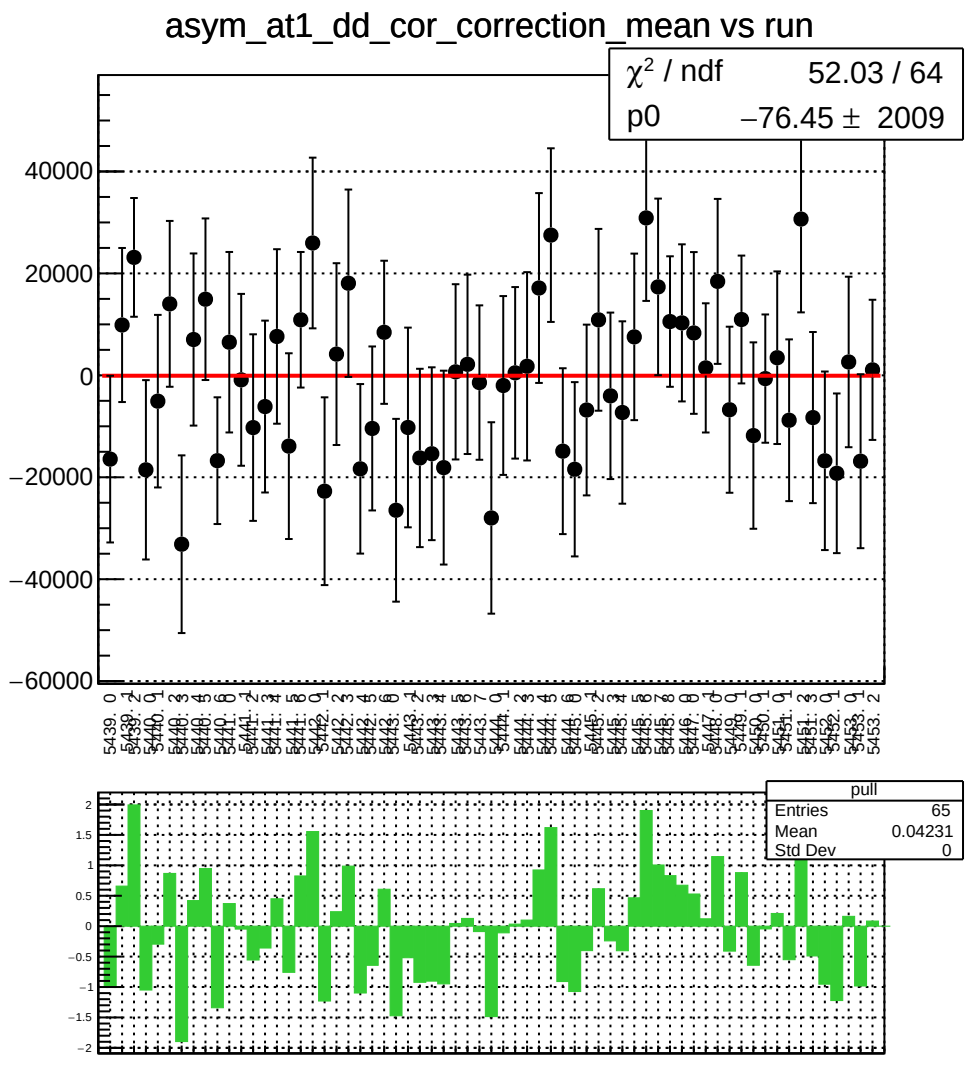

pull1D
Entries 65
Mean −0.03216
Std Dev 0.8957

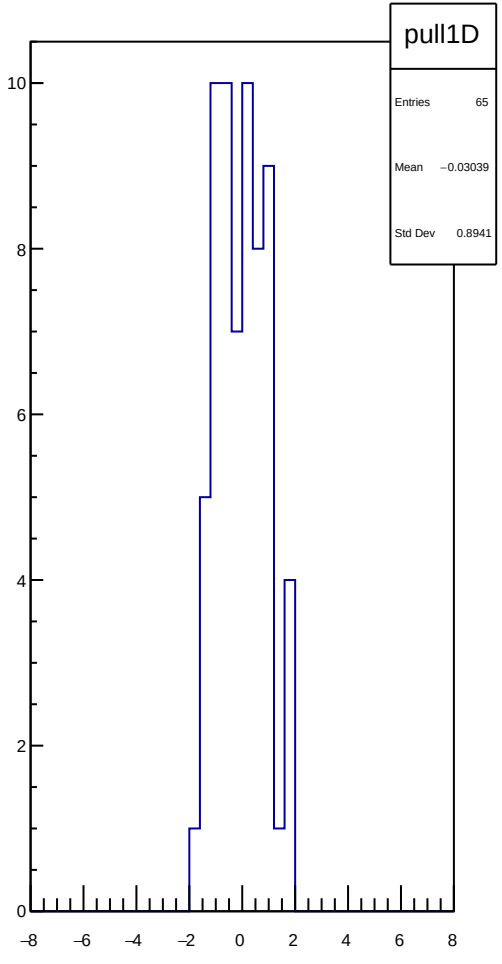

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 3665 / 64
p0 1630 ± 1.423
1900
1800
1700
1600
1500
1400

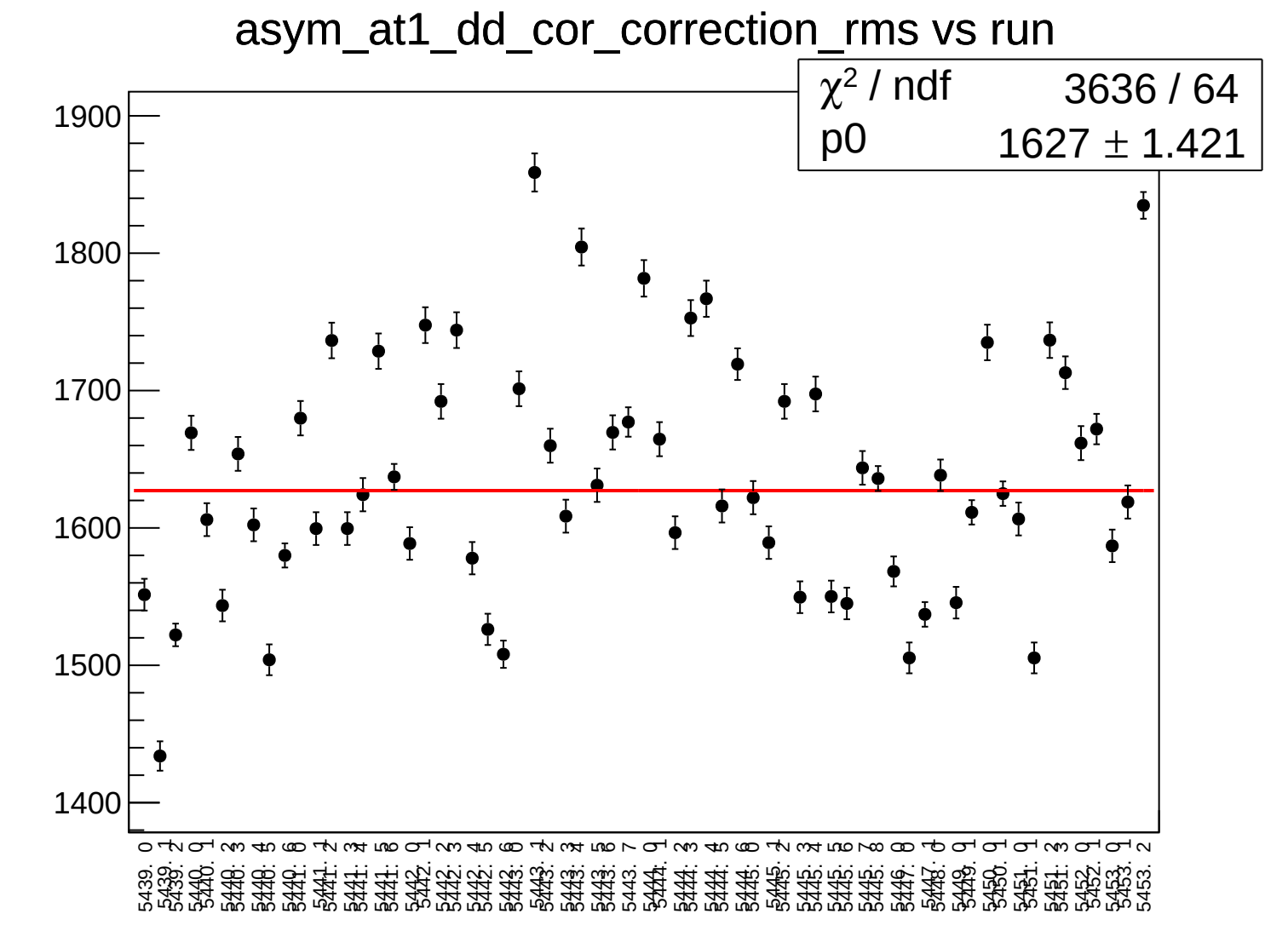

cor_asym_at1_dd_mean vs run
×10^3
χ² / ndf 79.01 / 64
p0 −1.168e+04 ± 7059
200
100
0
−100
−200
pull
Entries 65
Mean 89.29
Std Dev 0
2
1
0
−1
−2
−3

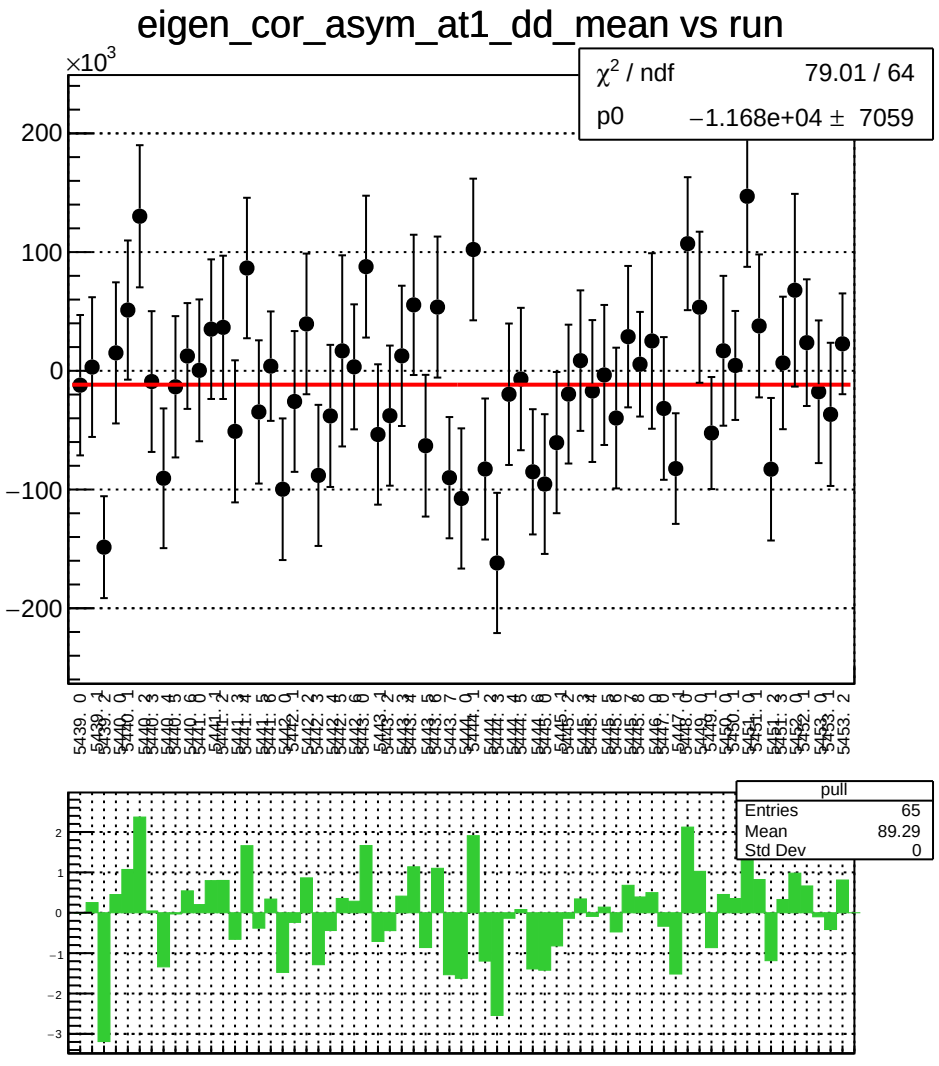

pull1D
Entries 65
Mean 0.02718
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

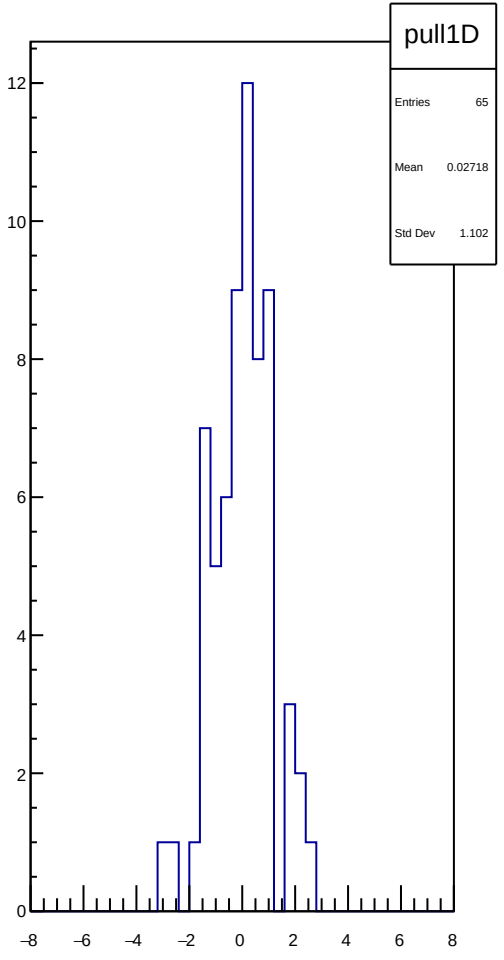

cor_asym_at1_dd_rms vs run
χ² / ndf 4024 / 64
p0 5716 ± 4.991
7500
7000
6500
6000
5500

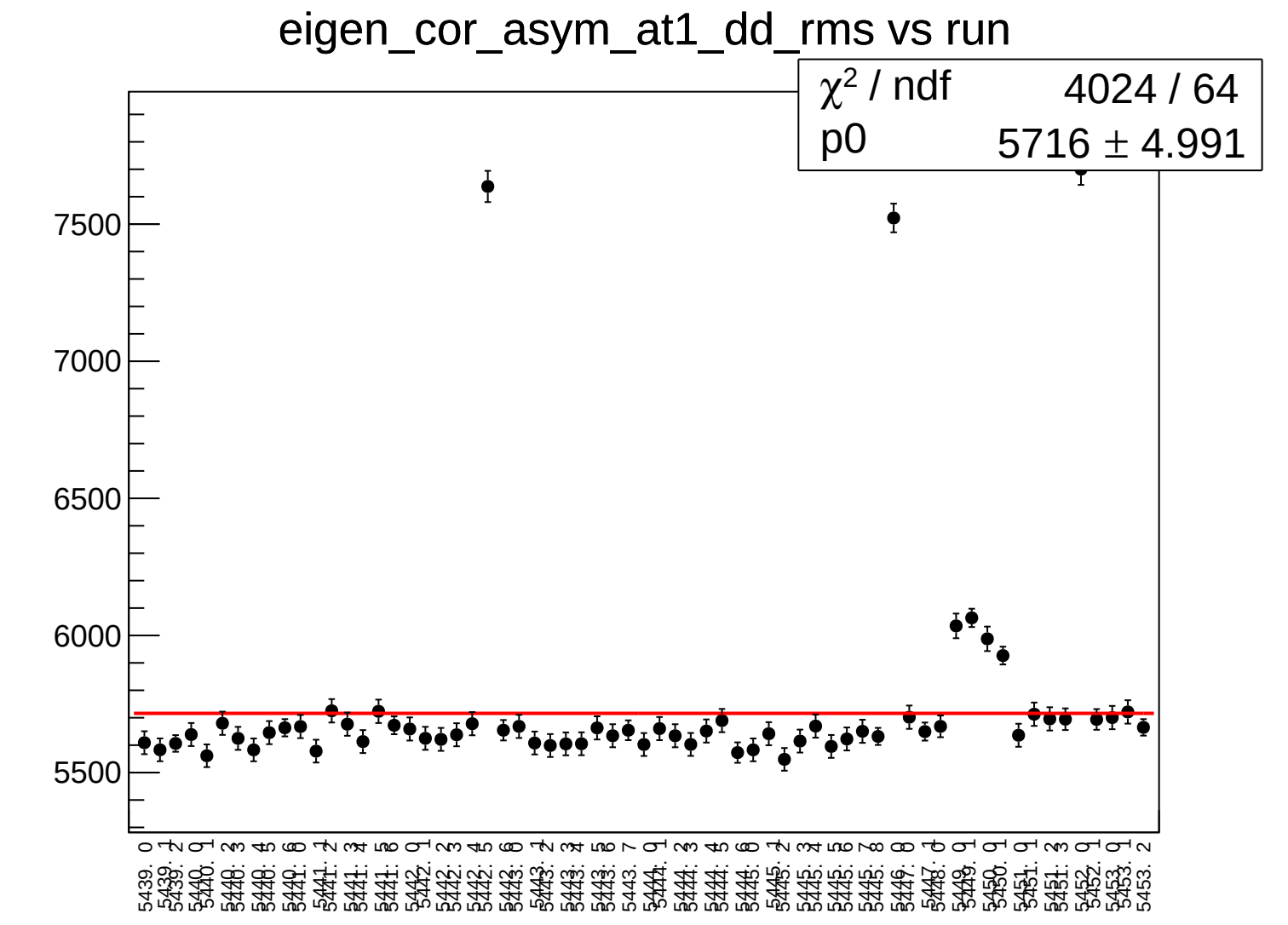

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 52.03 / 64
p0 −76.45 ± 2009
pull
Entries 65
Mean 0.04231
Std Dev 0

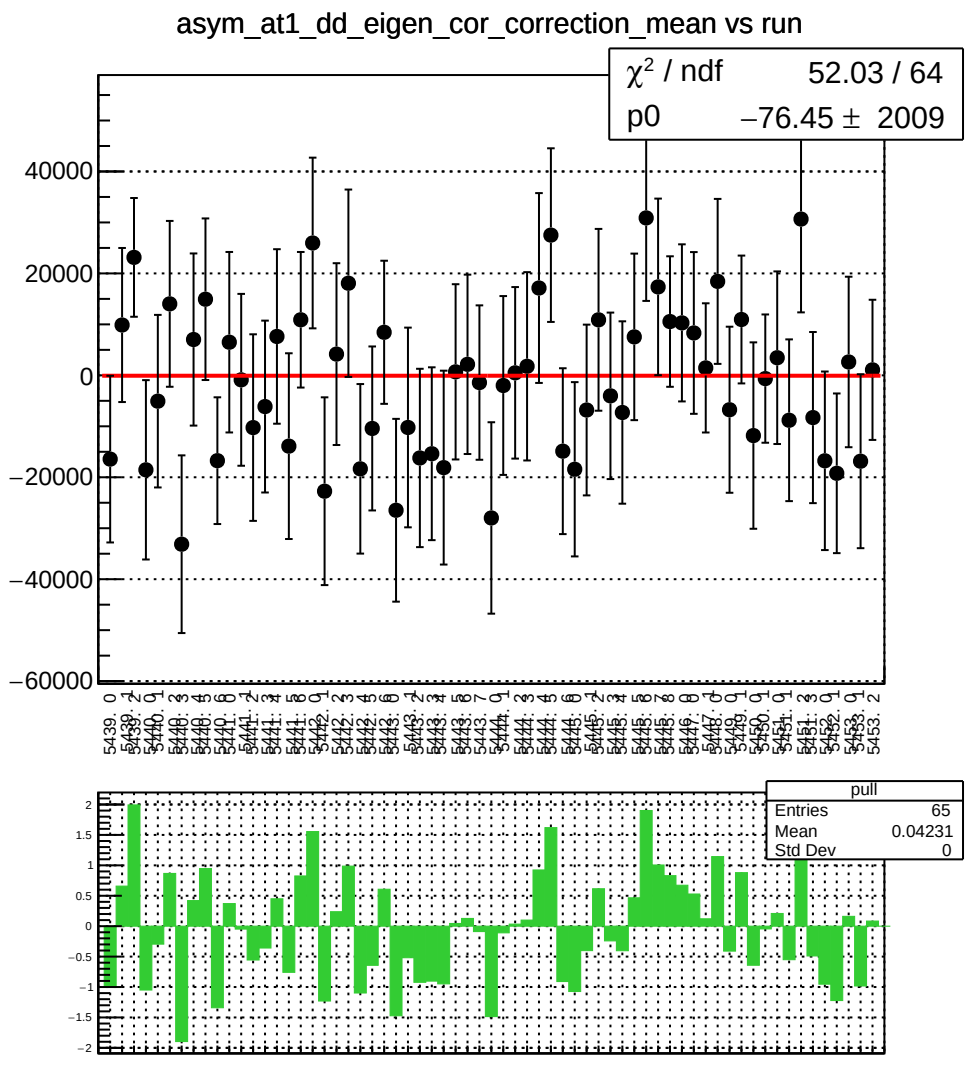

pull1D
Entries 65
Mean −0.03039
Std Dev 0.8941

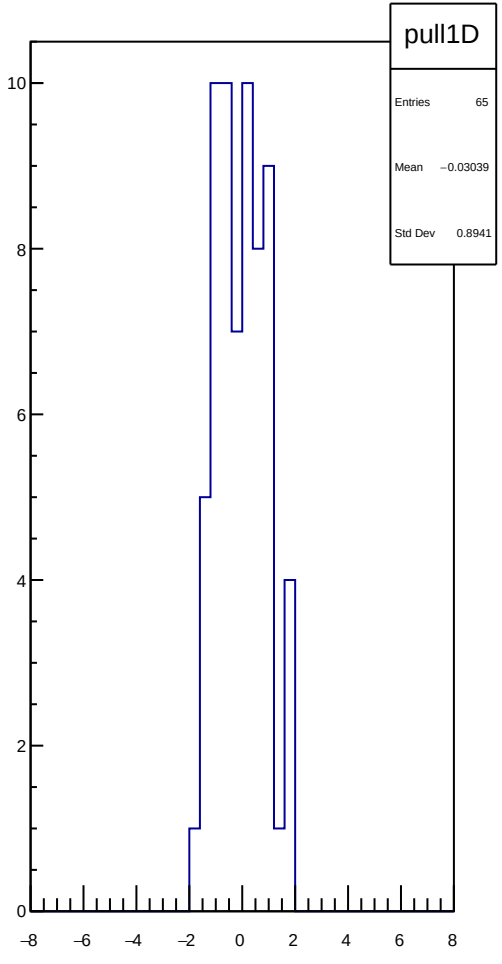

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 3636 / 64
p0 1627 ± 1.421
1900
1800
1700
1600
1500
1400

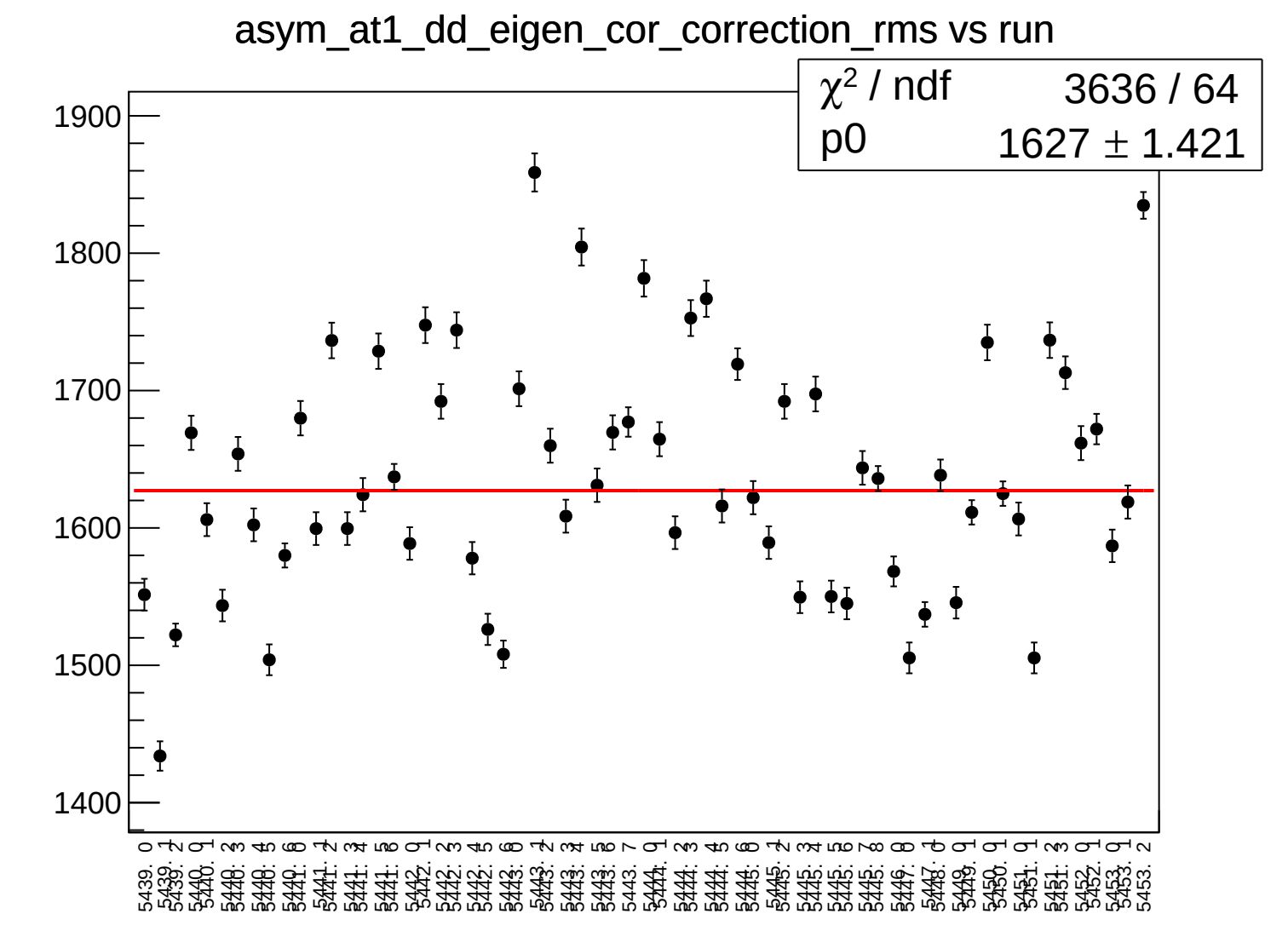

eigen_cor_asym_at1_dd_mean vs run
×10^3
χ² / ndf 79.01 / 64
p0 −1.168e+04 ± 7059
200
100
0
−100
−200
pull
Entries 65
Mean 89.29
Std Dev 0
2
1
0
−1
−2
−3

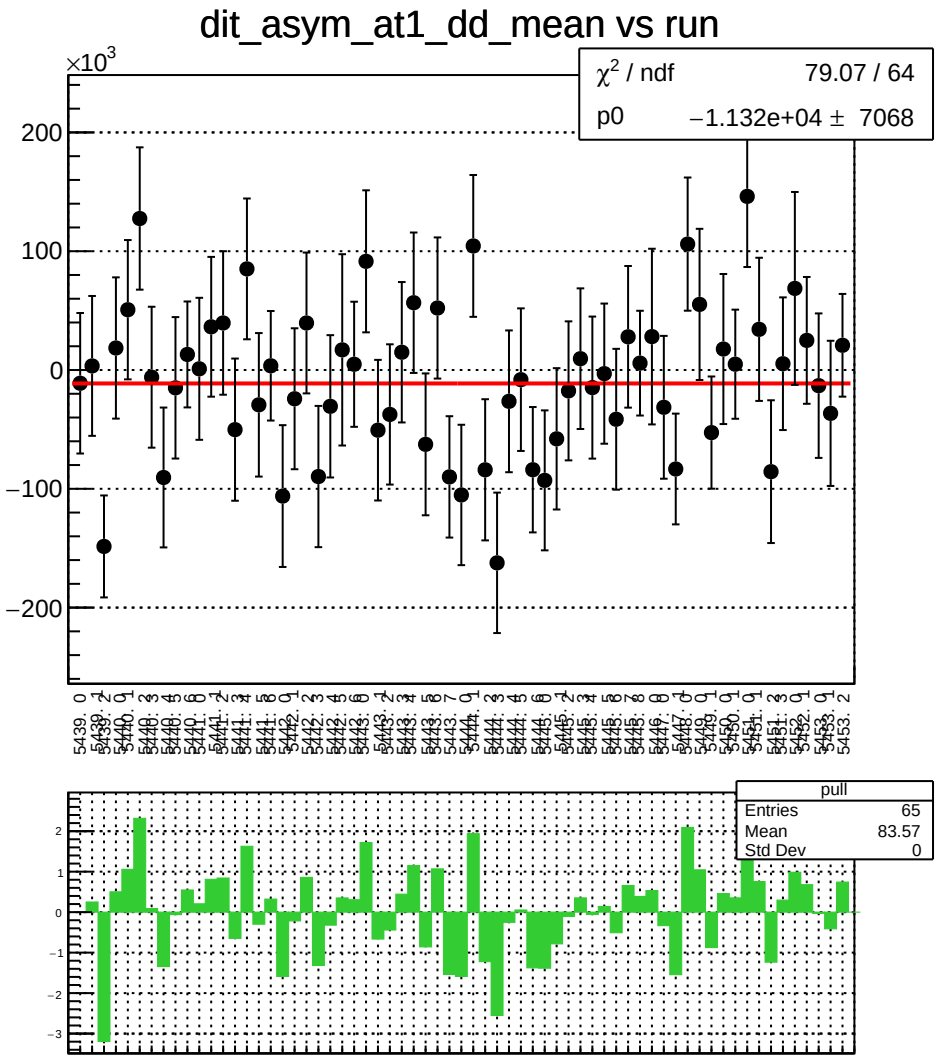

pull1D
Entries 65
Mean 0.02718
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

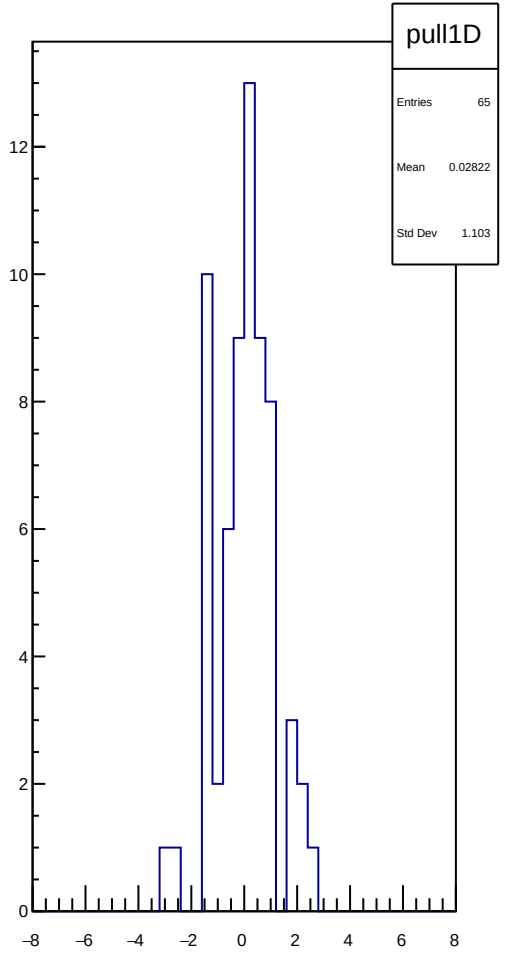

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 4024 / 64
p0 5716 ± 4.991
7500
7000
6500
6000
5500

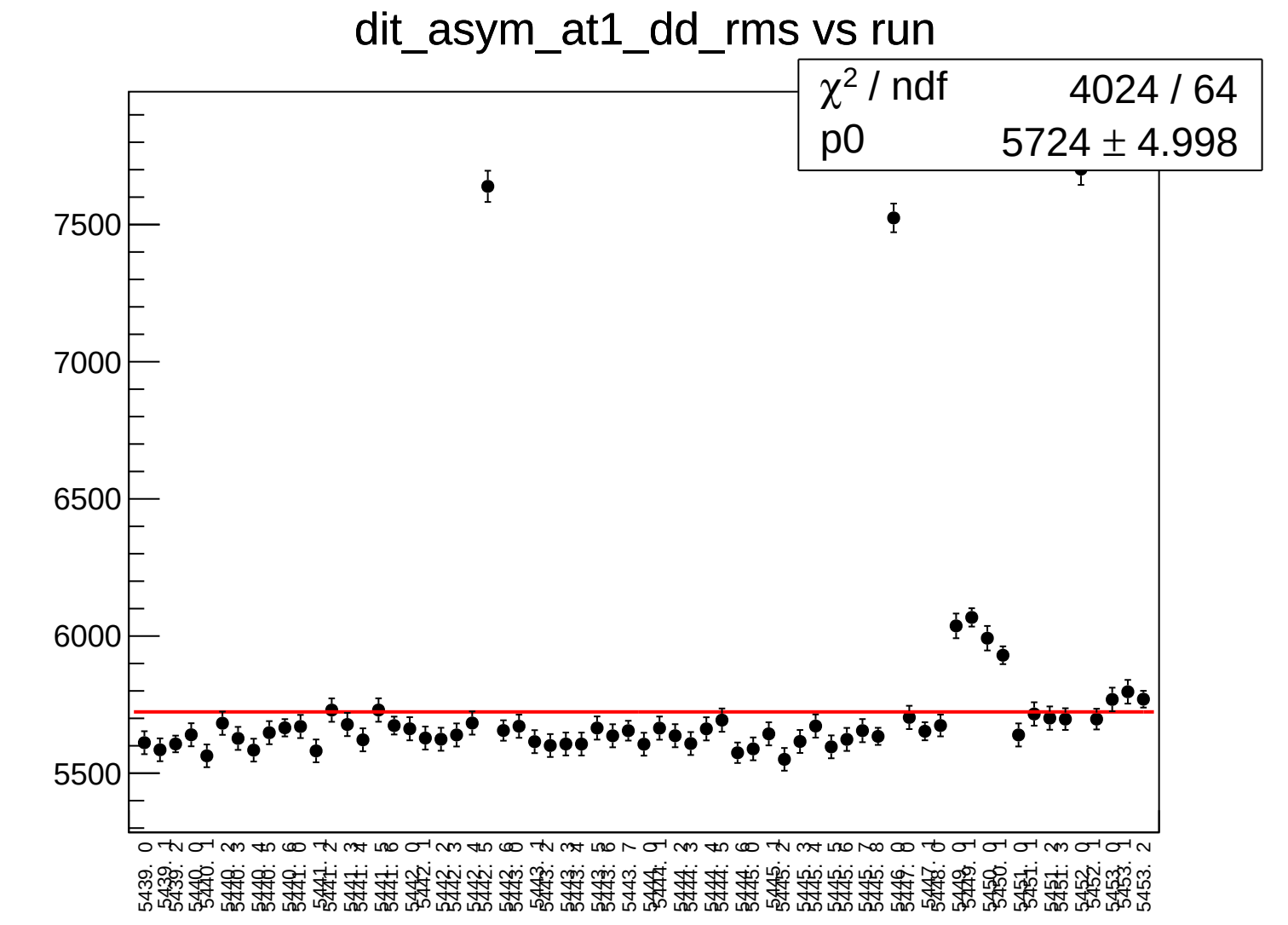

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 52.03 / 64
p0 −76.45 ± 2009
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 0.04231
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

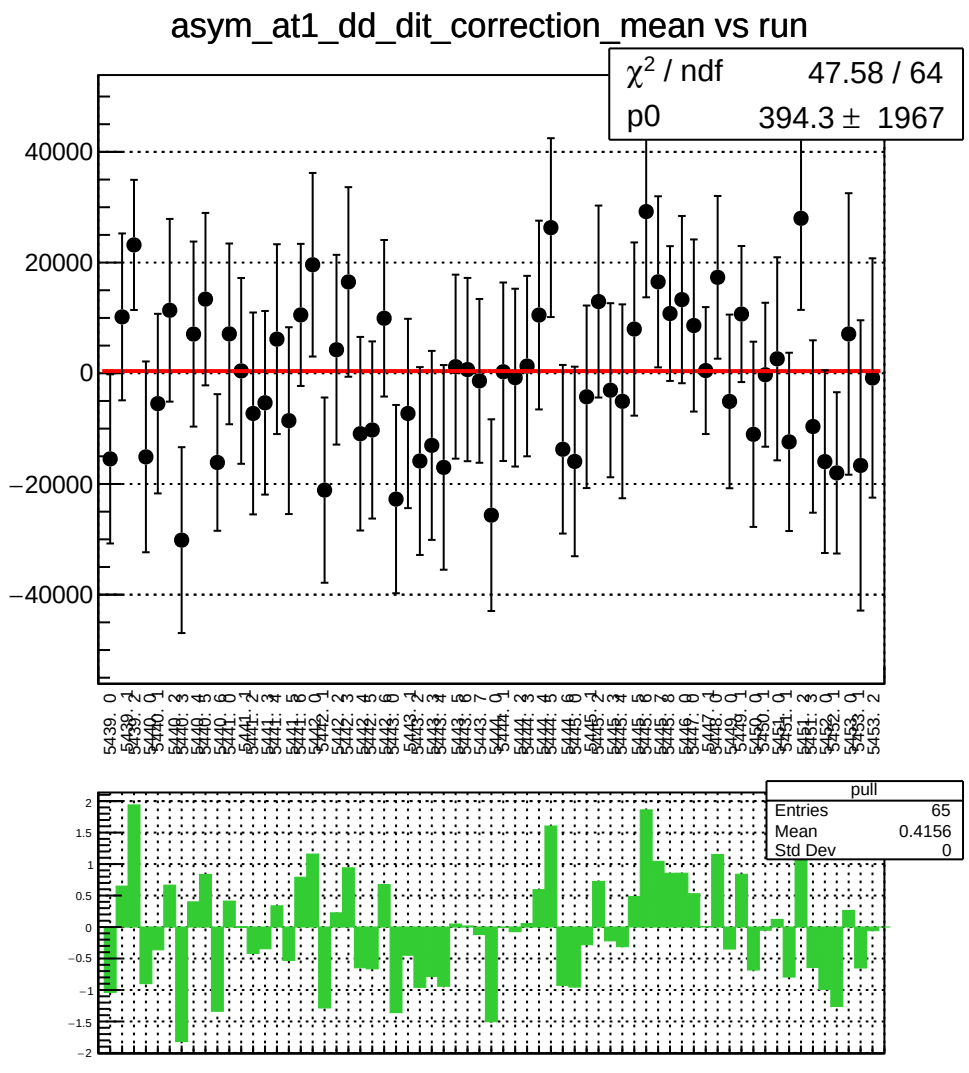

pull1D
Entries 65
Mean −0.03039
Std Dev 0.8941
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

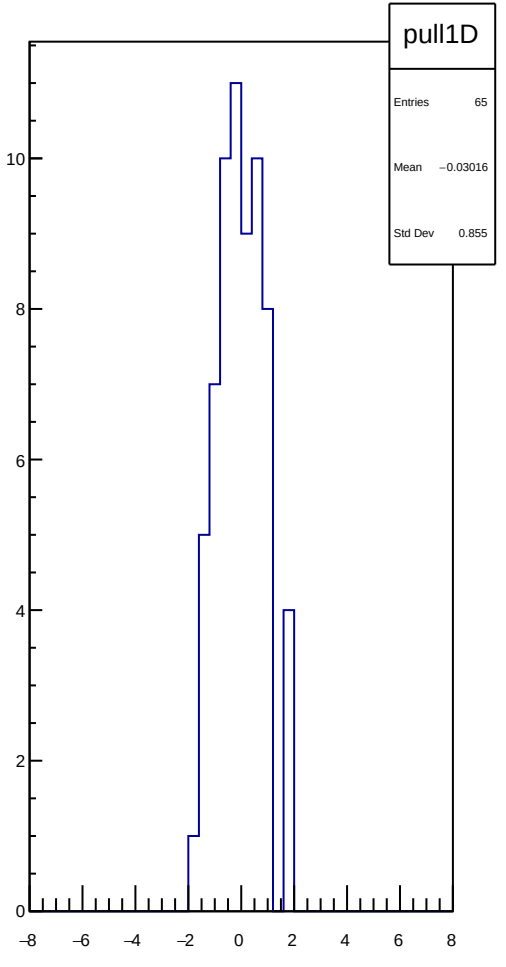

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 3636 / 64
p0 1627 ± 1.421
1900
1800
1700
1600
1500
1400

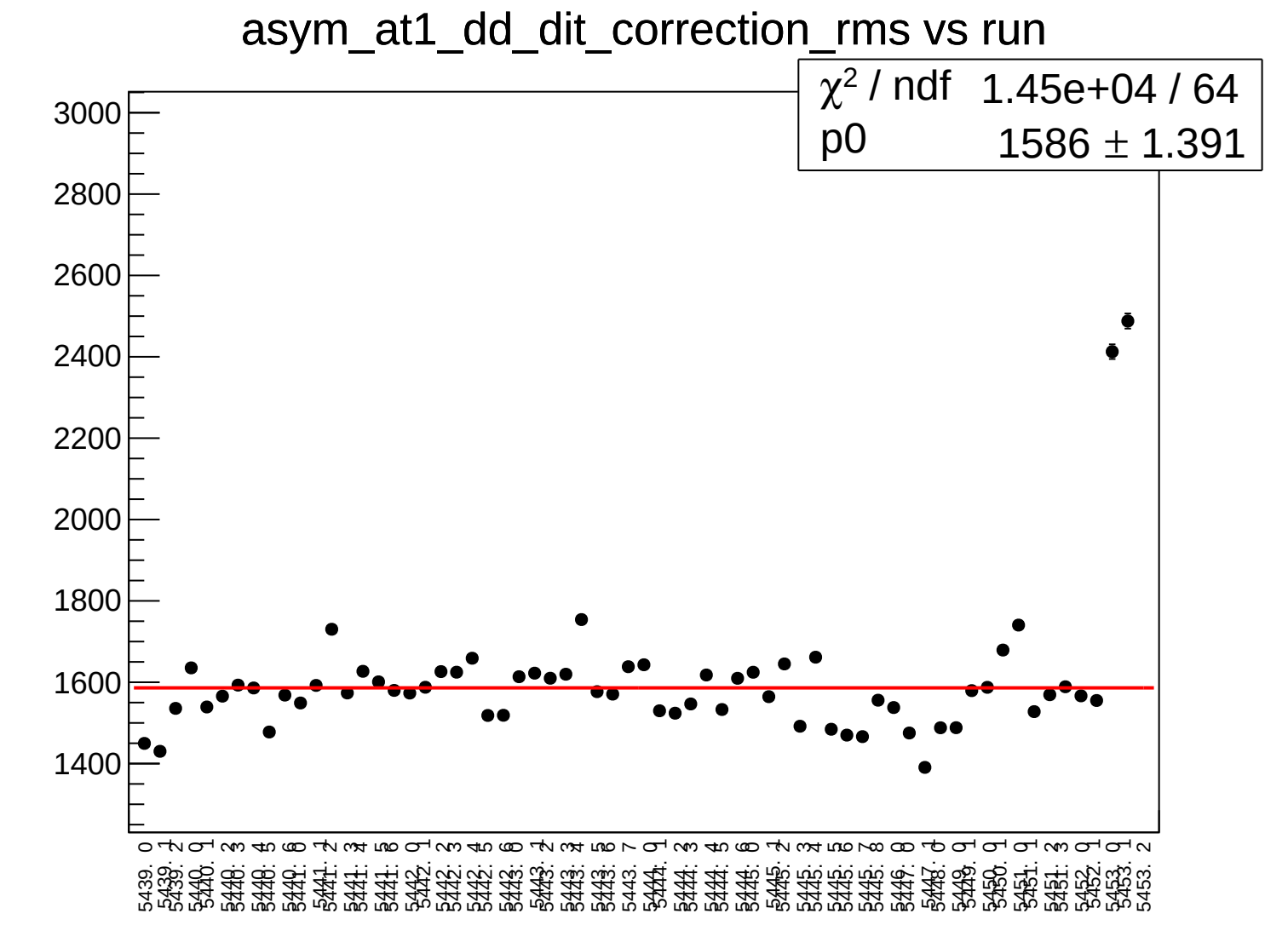

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 79.07 / 64
p0 −1.132e+04 ± 7068
200
100
0
−100
−200
pull
Entries 65
Mean 83.57
Std Dev 0
2
1
0
−1
−2
−3

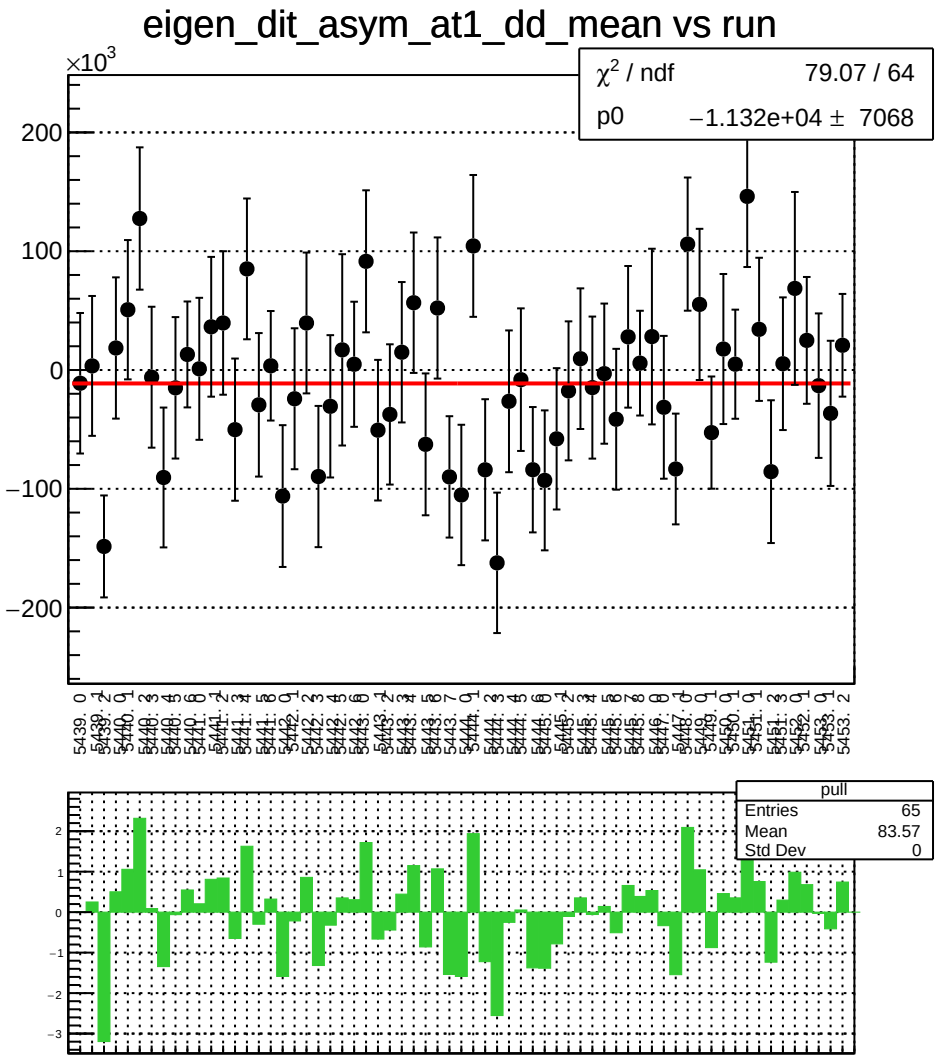

pull1D
Entries 65
Mean 0.02822
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

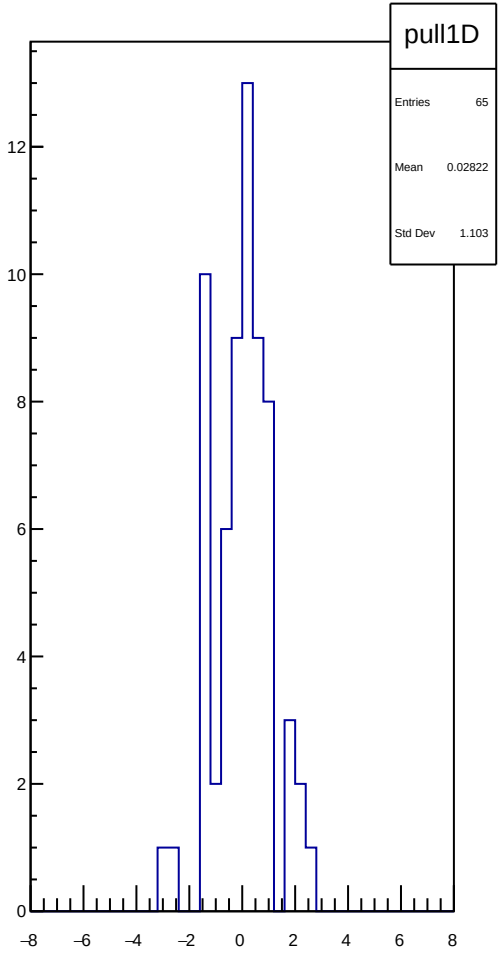

dit_asym_at1_dd_rms vs run
χ² / ndf 4024 / 64
p0 5724 ± 4.998
7500
7000
6500
6000
5500

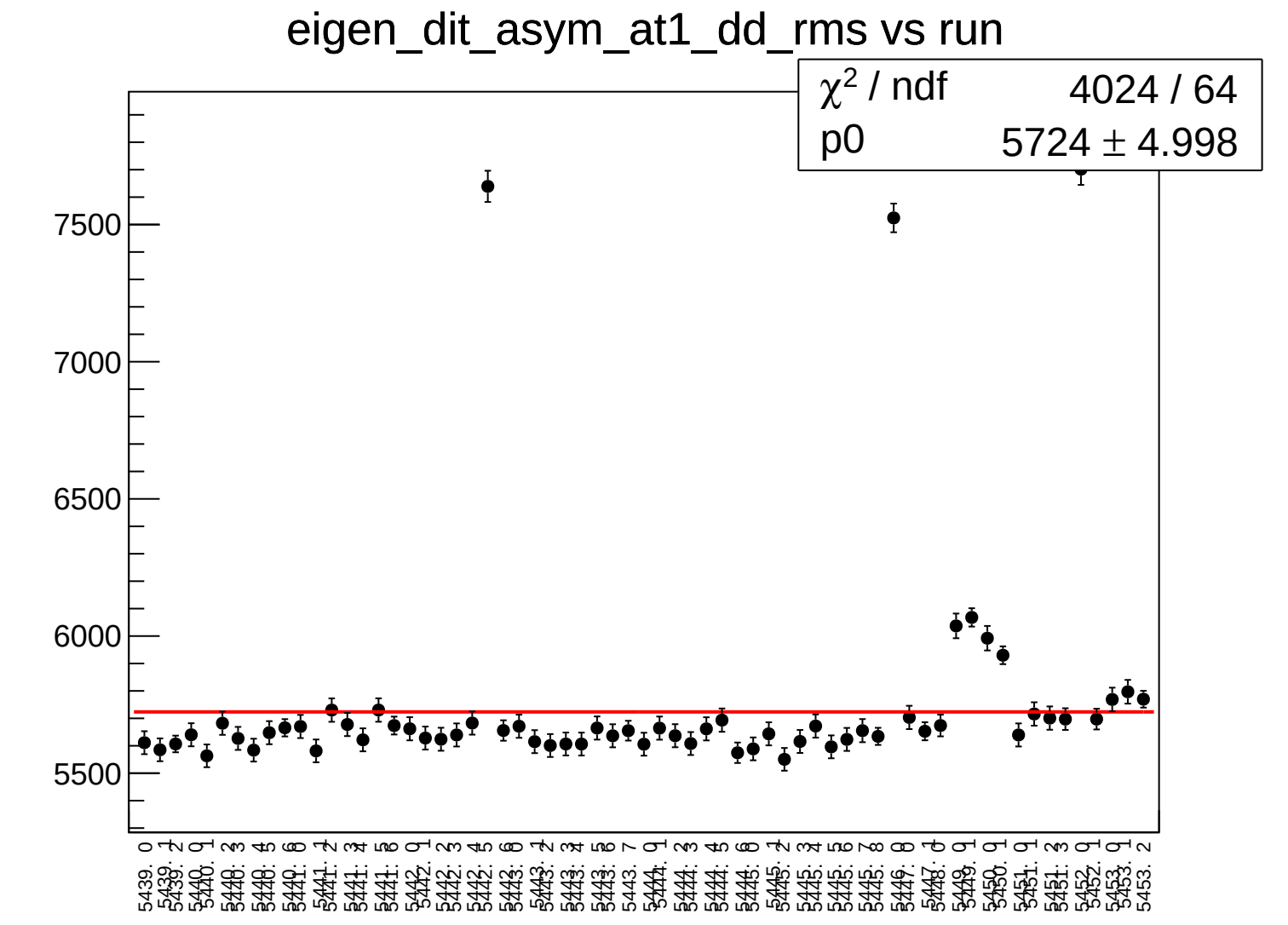

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 47.58 / 64
p0 394.3 ± 1967
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 0.4156
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

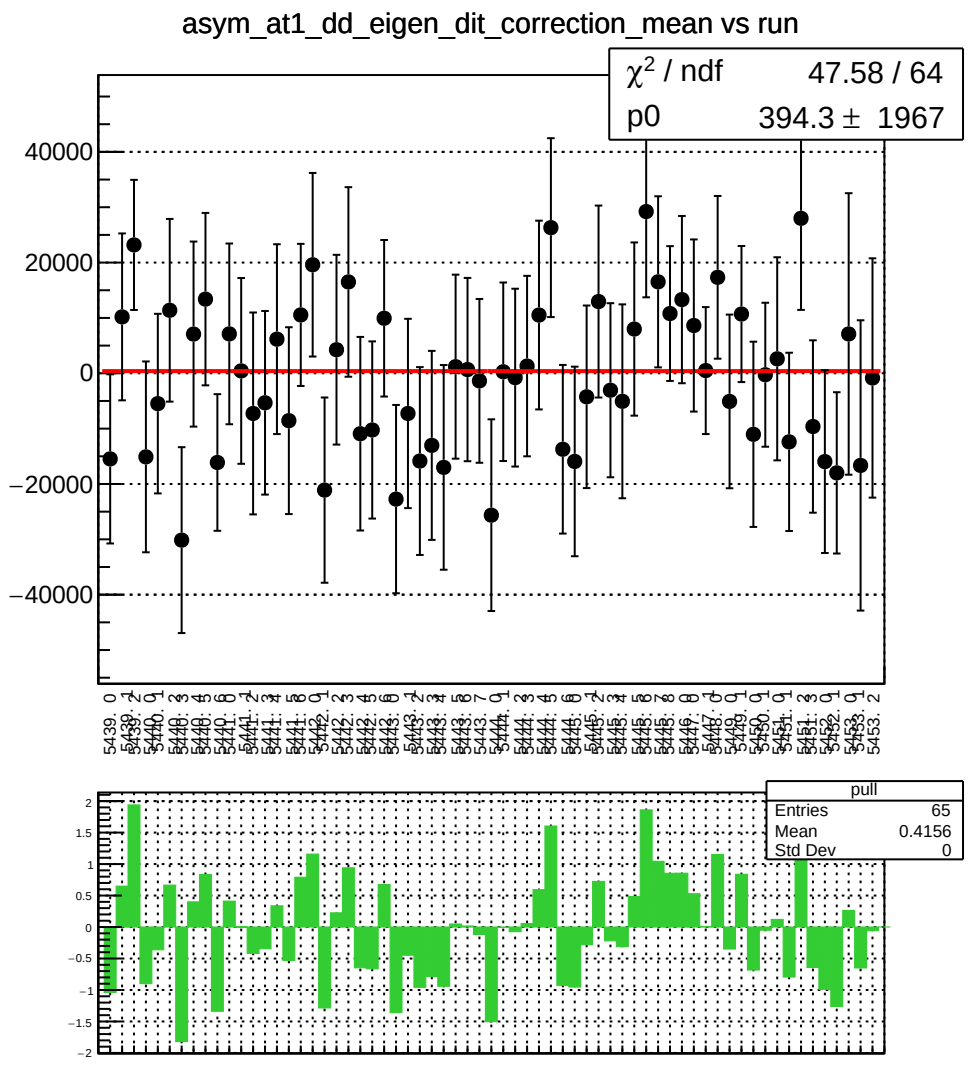

pull1D
Entries 65
Mean −0.03016
Std Dev 0.855
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

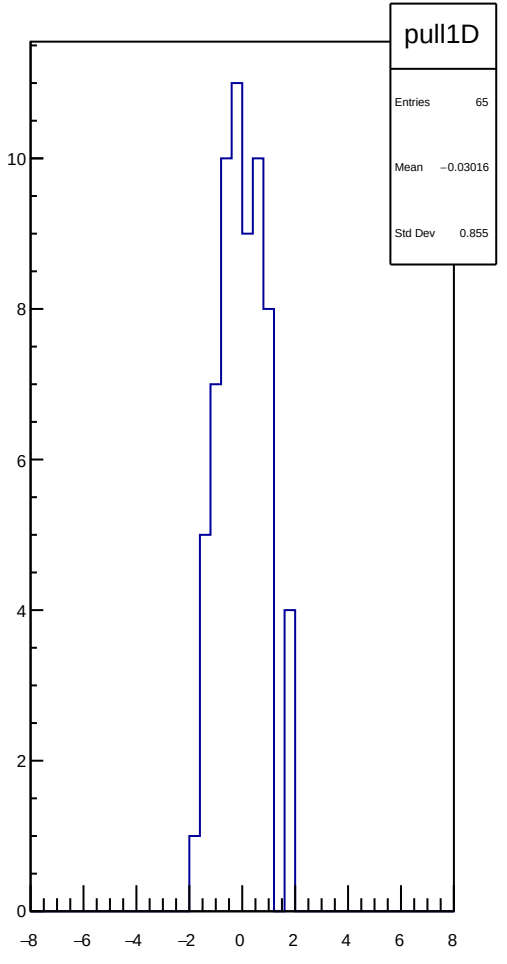

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 1.45e+04 / 64
p0 1586 ± 1.391
3000
2800
2600
2400
2200
2000
1800
1600
1400

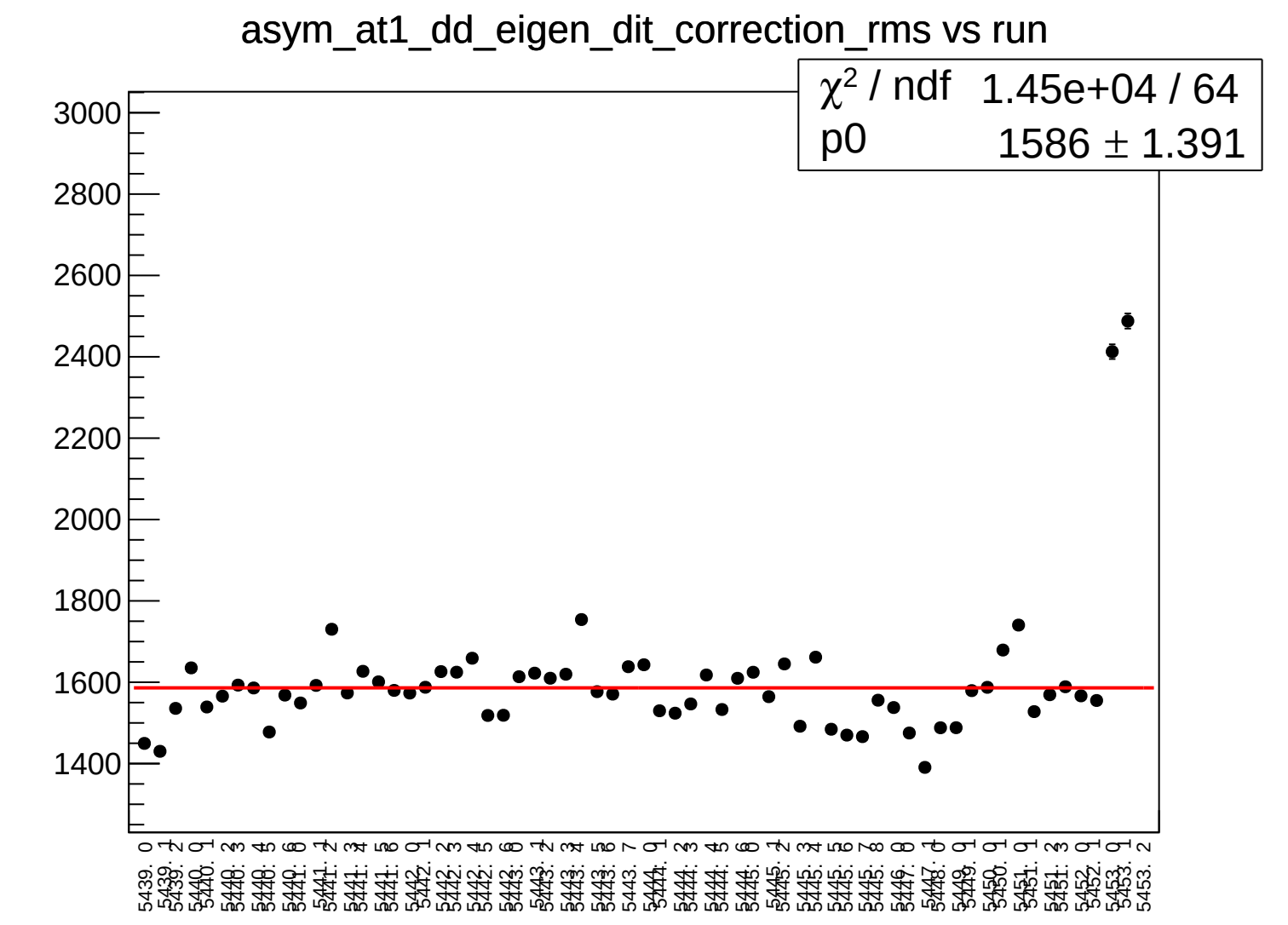

eigen_dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 79.07 / 64
p0 −1.132e+04 ± 7068
200
100
0
−100
−200
pull
Entries 65
Mean 83.57
Std Dev 0
2
1
0
−1
−2
−3

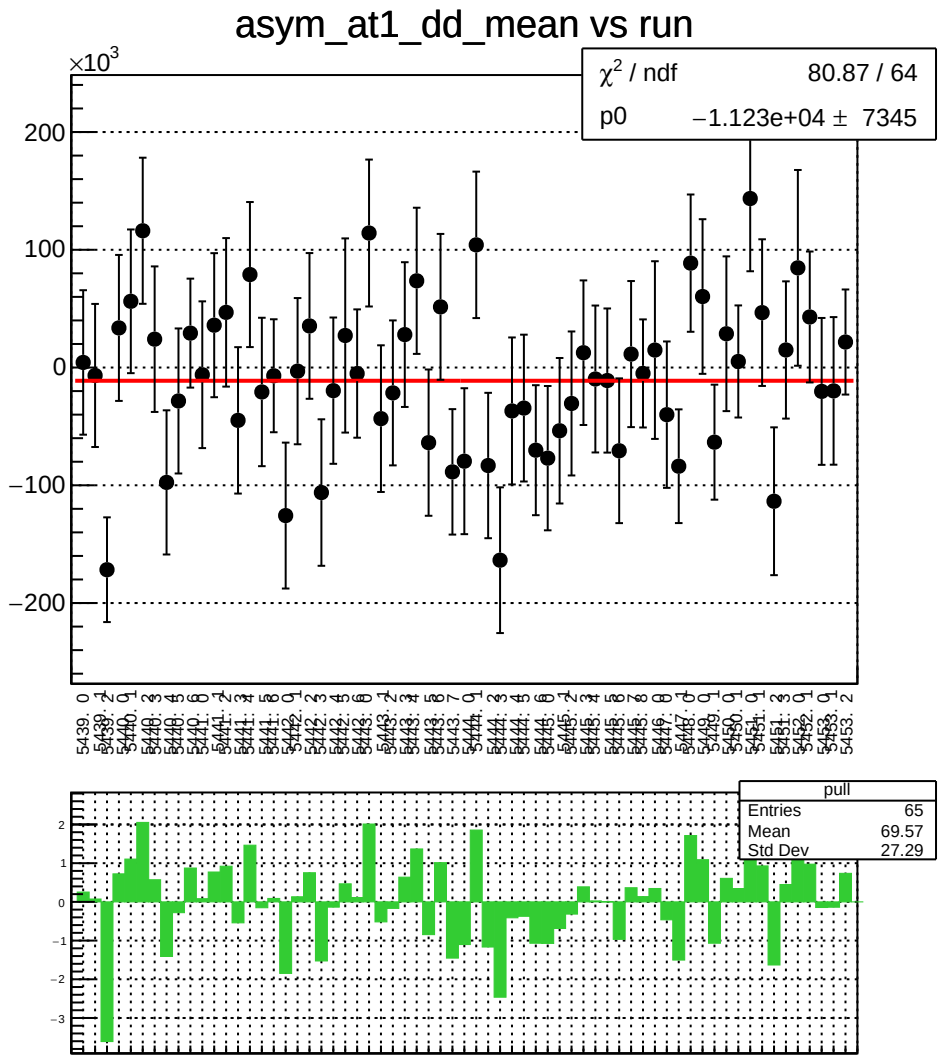

pull1D
Entries 65
Mean 0.02822
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

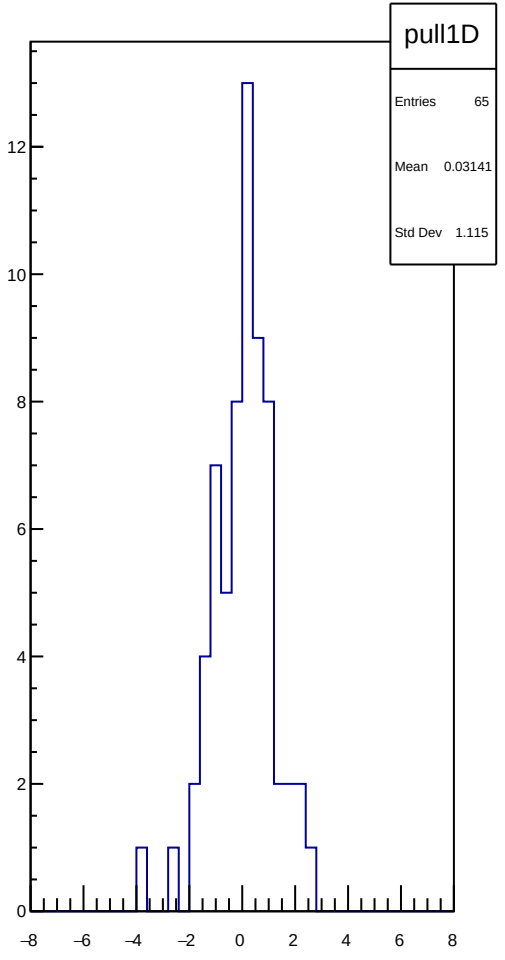

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 4024 / 64
p0 5724 ± 4.998
7500
7000
6500
6000
5500

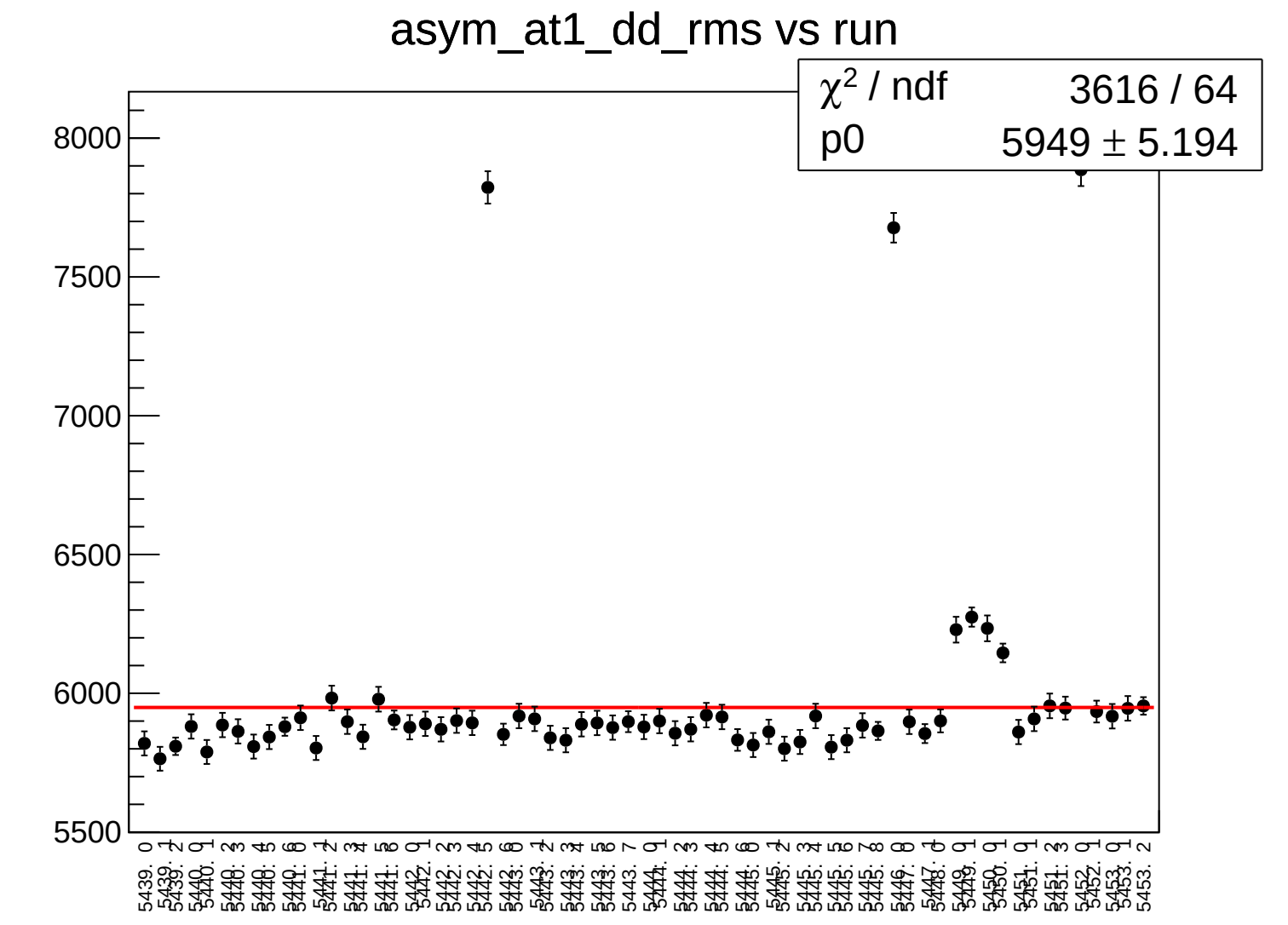

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.58 / 64
p0 394.3 ± 1967
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 0.4156
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

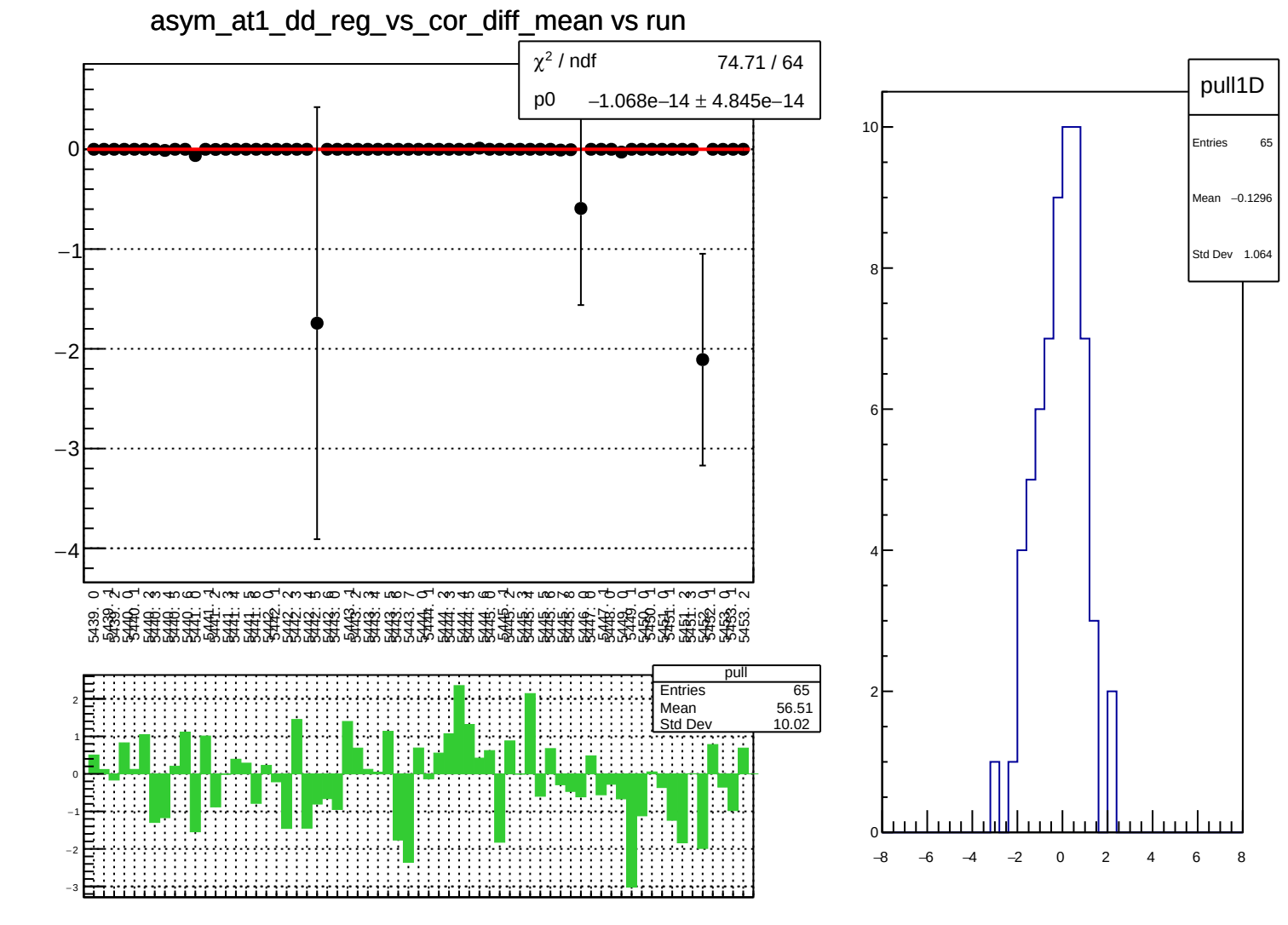

pull1D
Entries 65
Mean −0.03016
Std Dev 0.855
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

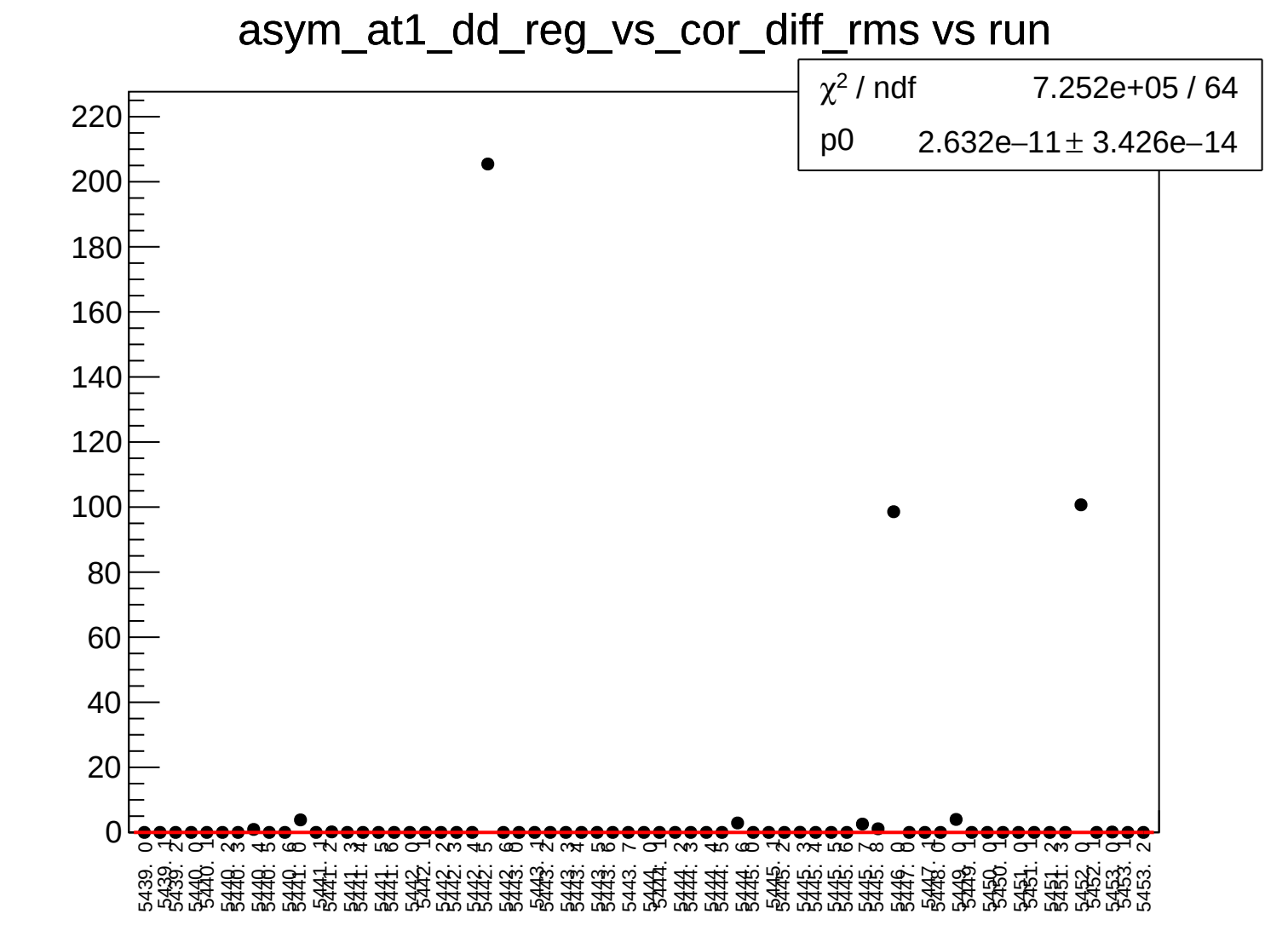

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.45e+04 / 64
p0 1586 ± 1.391
3000
2800
2600
2400
2200
2000
1800
1600
1400

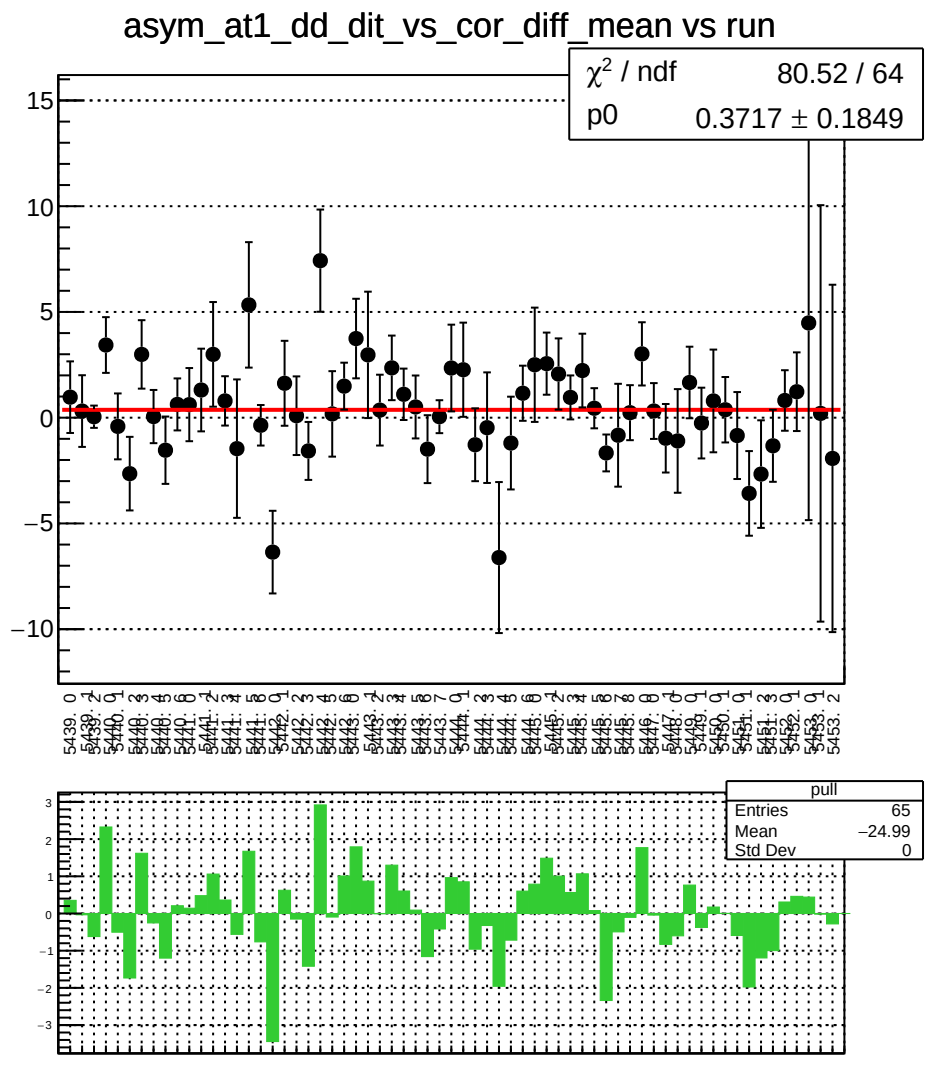

asym_at1_dd_mean vs run
×10^3
χ² / ndf 80.87 / 64
p0 −1.123e+04 ± 7345
200
100
0
−100
−200
pull
Entries 65
Mean 69.57
Std Dev 27.29
2
1
0
−1
−2
−3

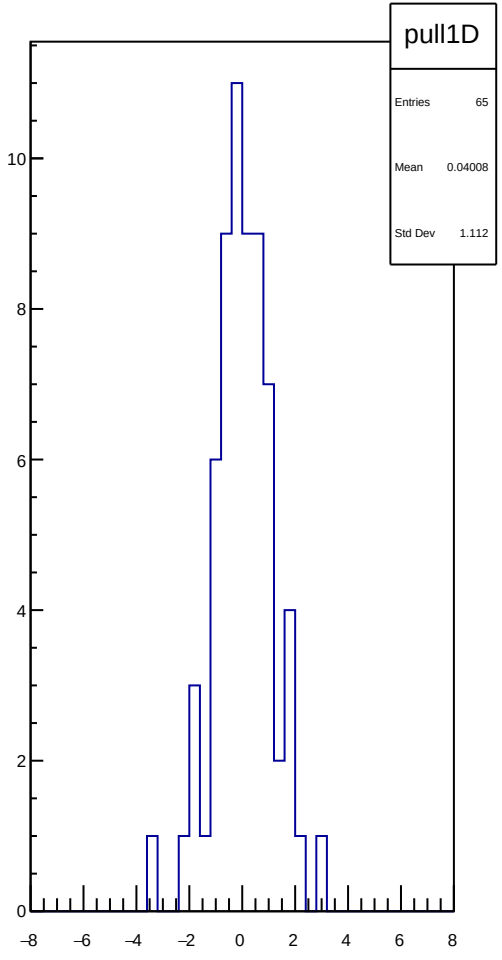

pull1D
Entries 65
Mean 0.03141
Std Dev 1.115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

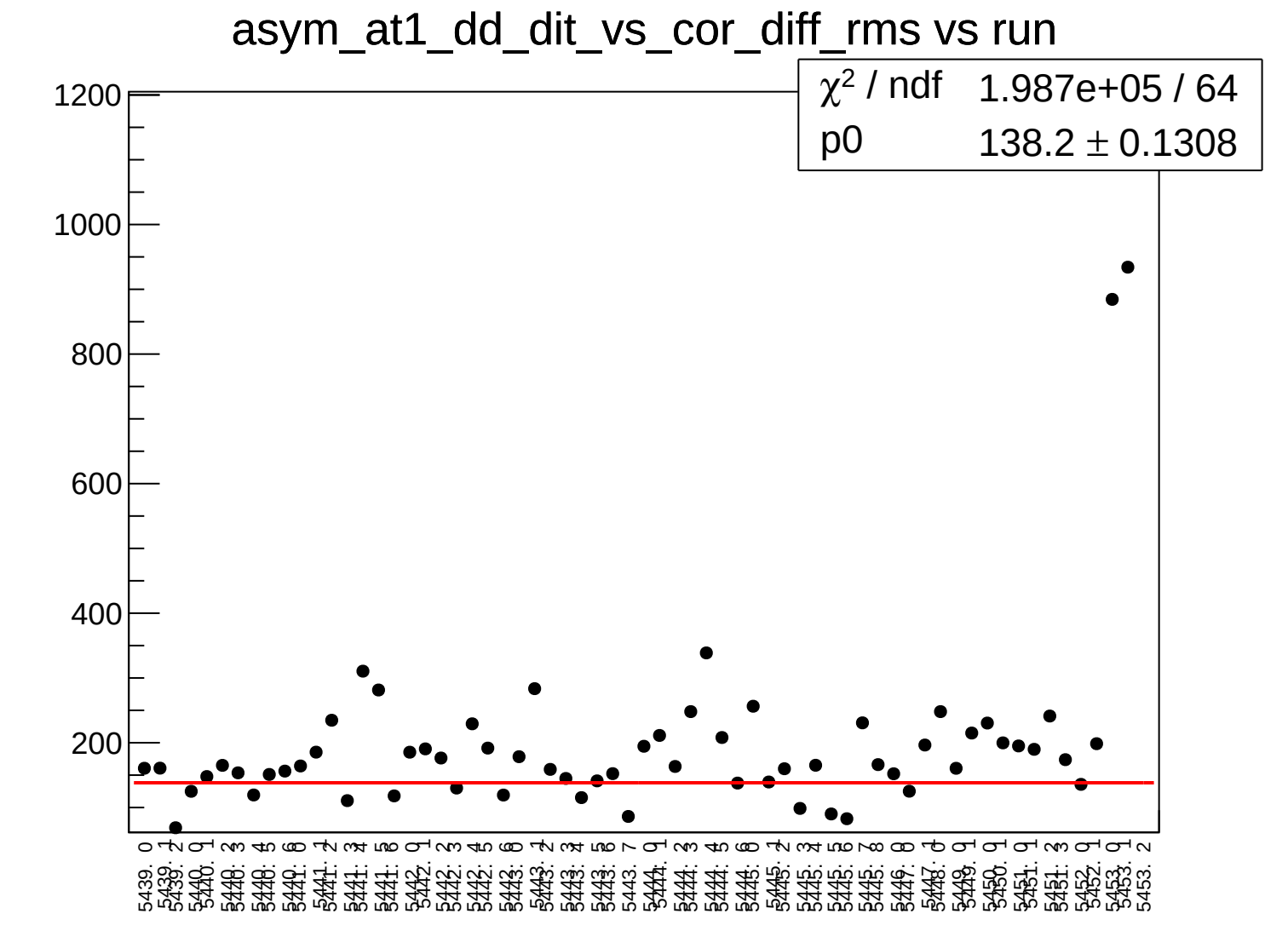

asym_at1_dd_rms vs run
χ² / ndf 3616 / 64
p0 5949 ± 5.194
8000
7500
7000
6500
6000
5500

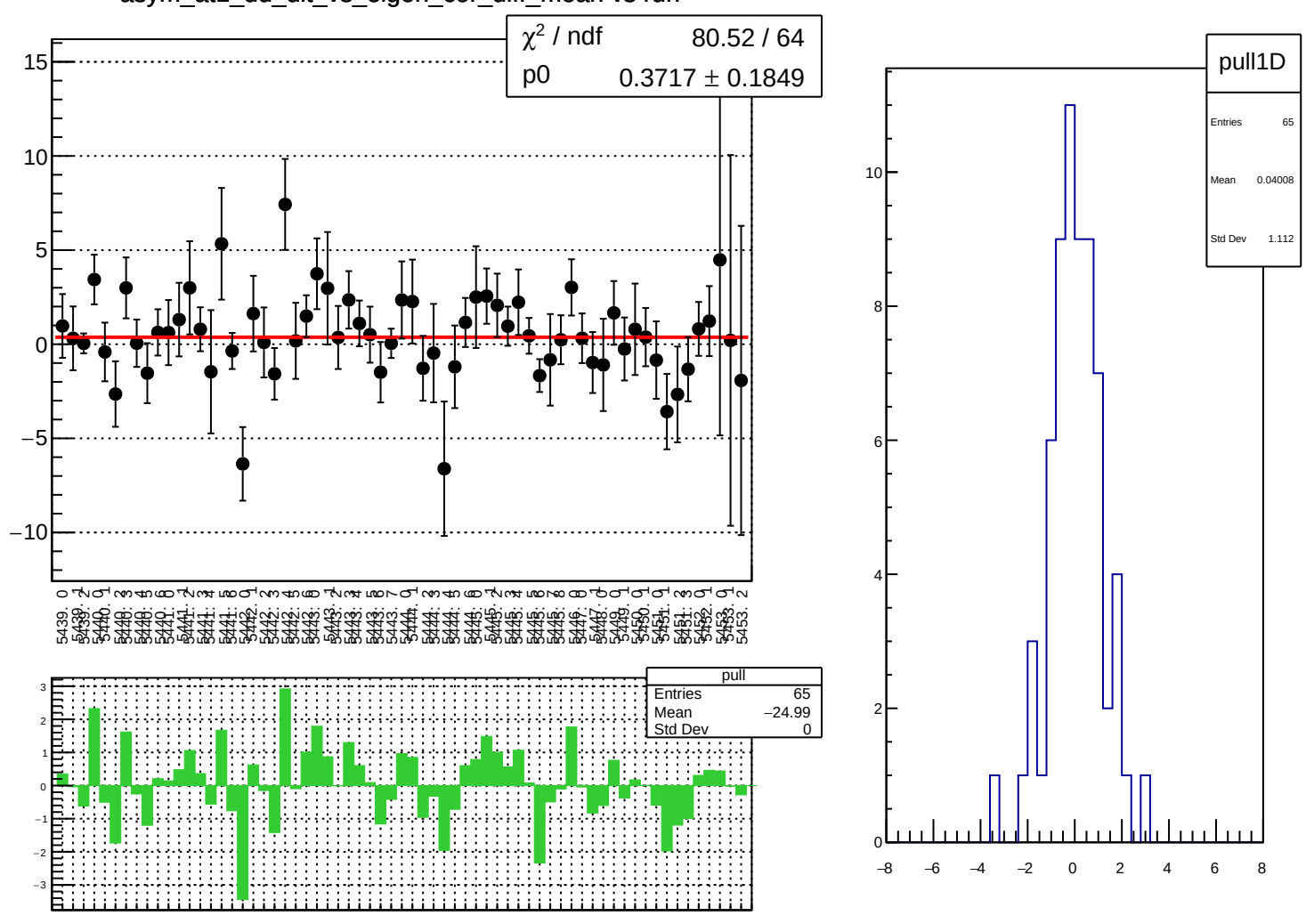

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.71 / 64
p0 −1.068e−14 ± 4.845e−14
pull
Entries 65
Mean 56.51
Std Dev 10.02
pull1D
Entries 65
Mean −0.1296
Std Dev 1.064

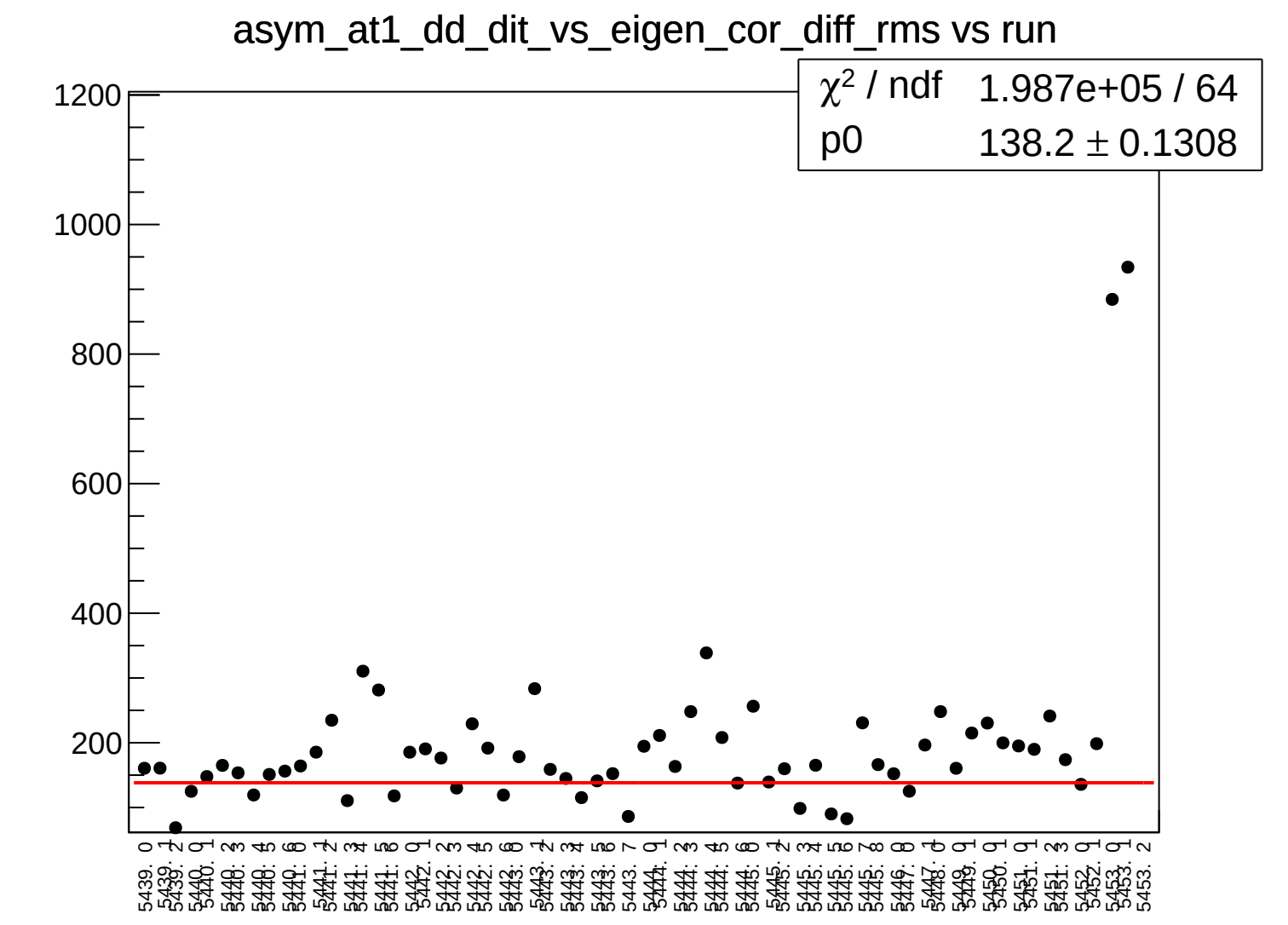

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.252e+05 / 64
p0 2.632e−11 ± 3.426e−14
220
200
180
160
140
120
100
80
60
40
20
0

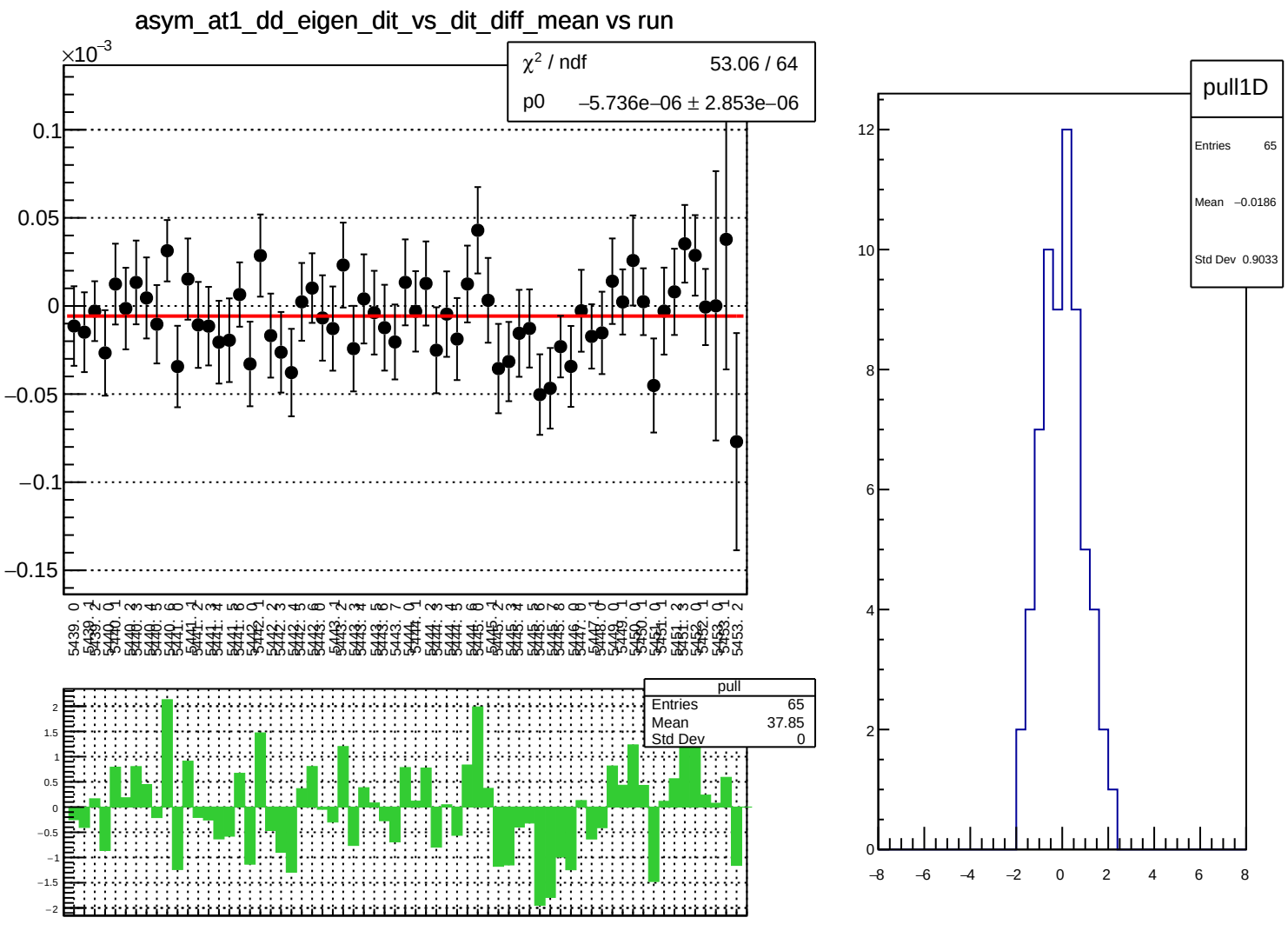

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.52 / 64
p0 0.3717 ± 0.1849
pull
Entries 65
Mean −24.99
Std Dev 0

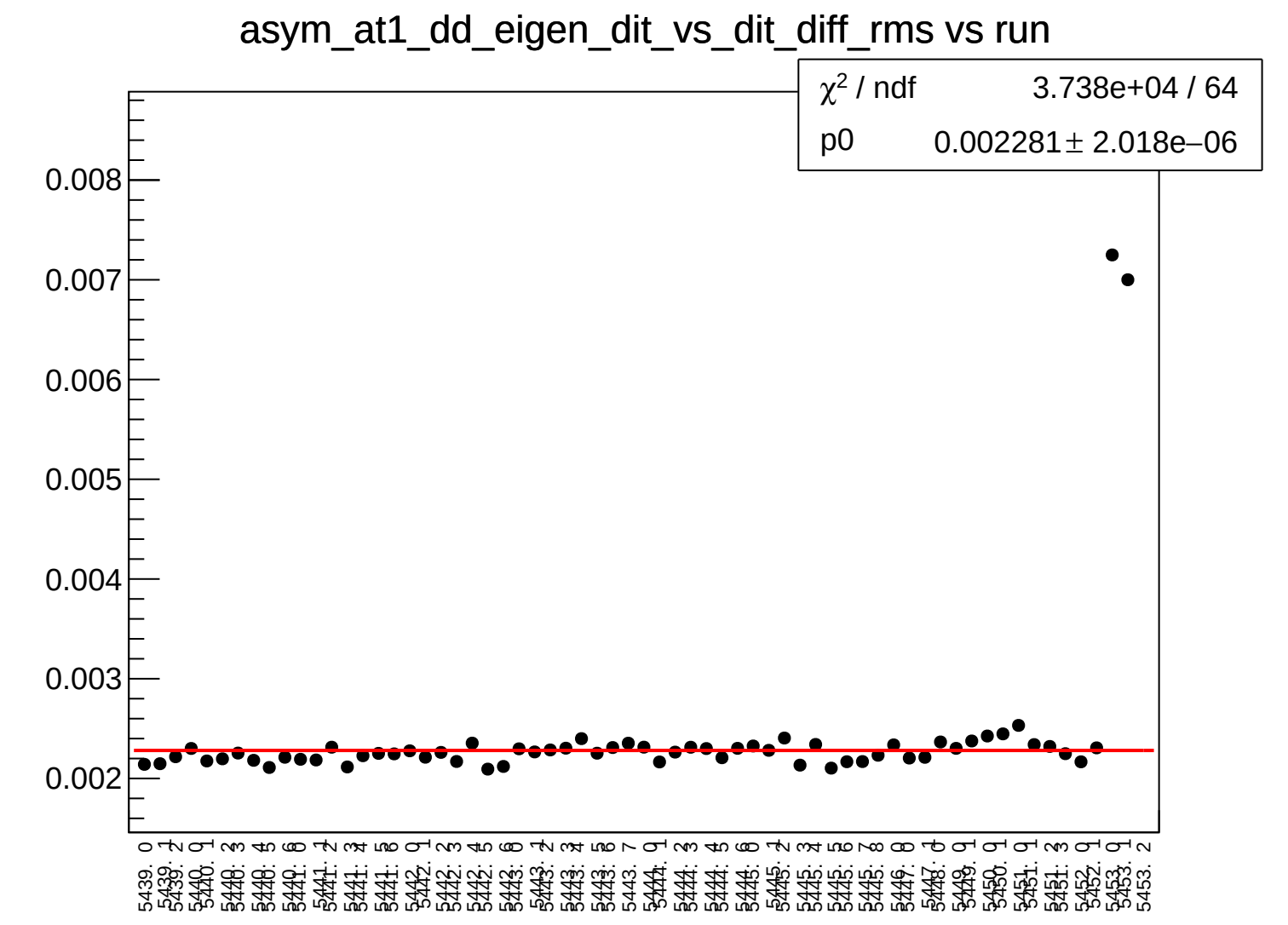

pull1D
Entries 65
Mean 0.04008
Std Dev 1.112

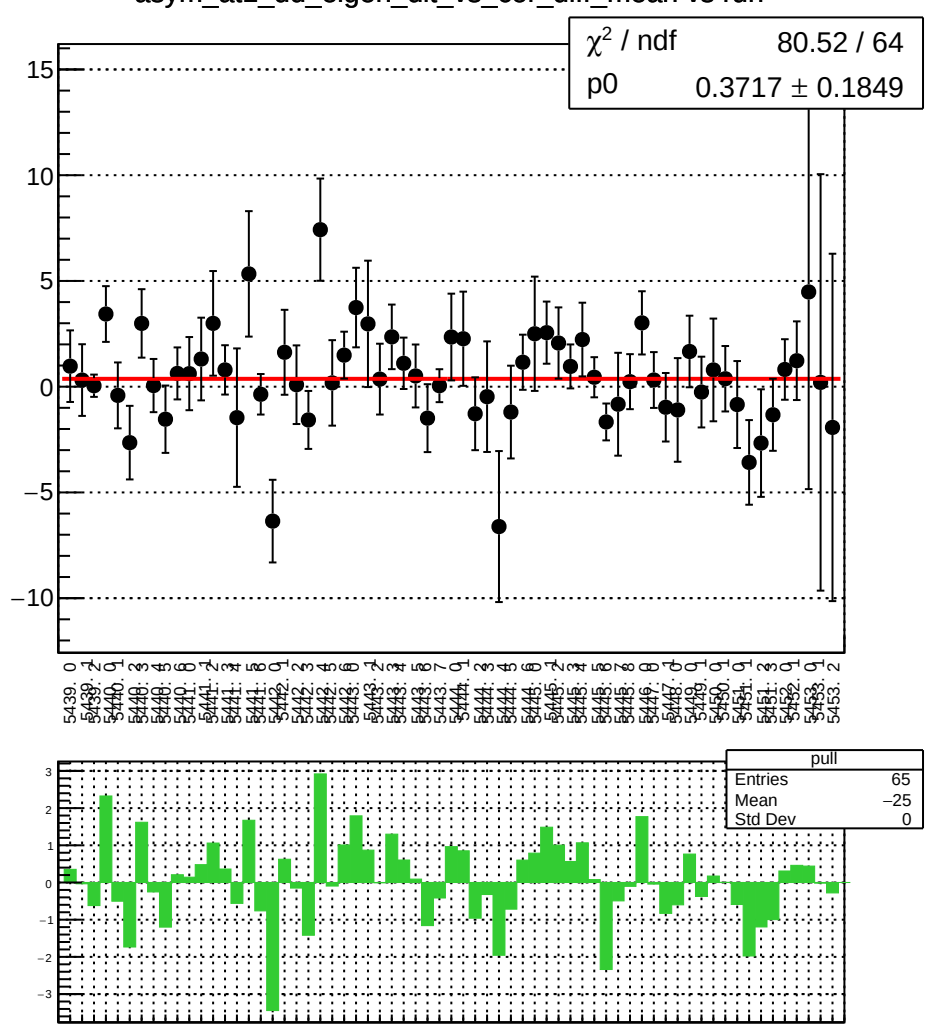

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.987e+05 / 64
p0 138.2 ± 0.1308
1200
1000
800
600
400
200

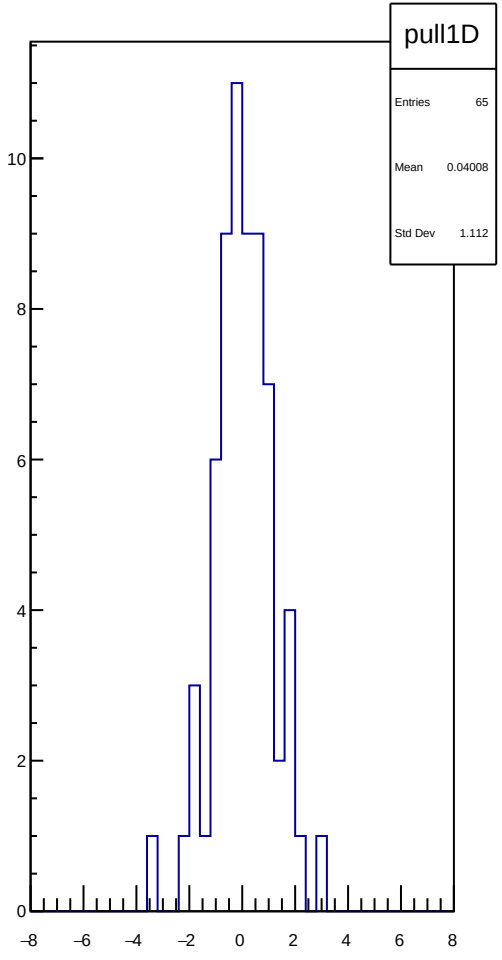

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.52 / 64
p0 0.3717 ± 0.1849
pull
Entries 65
Mean −24.99
Std Dev 0
pull1D
Entries 65
Mean 0.04008
Std Dev 1.112

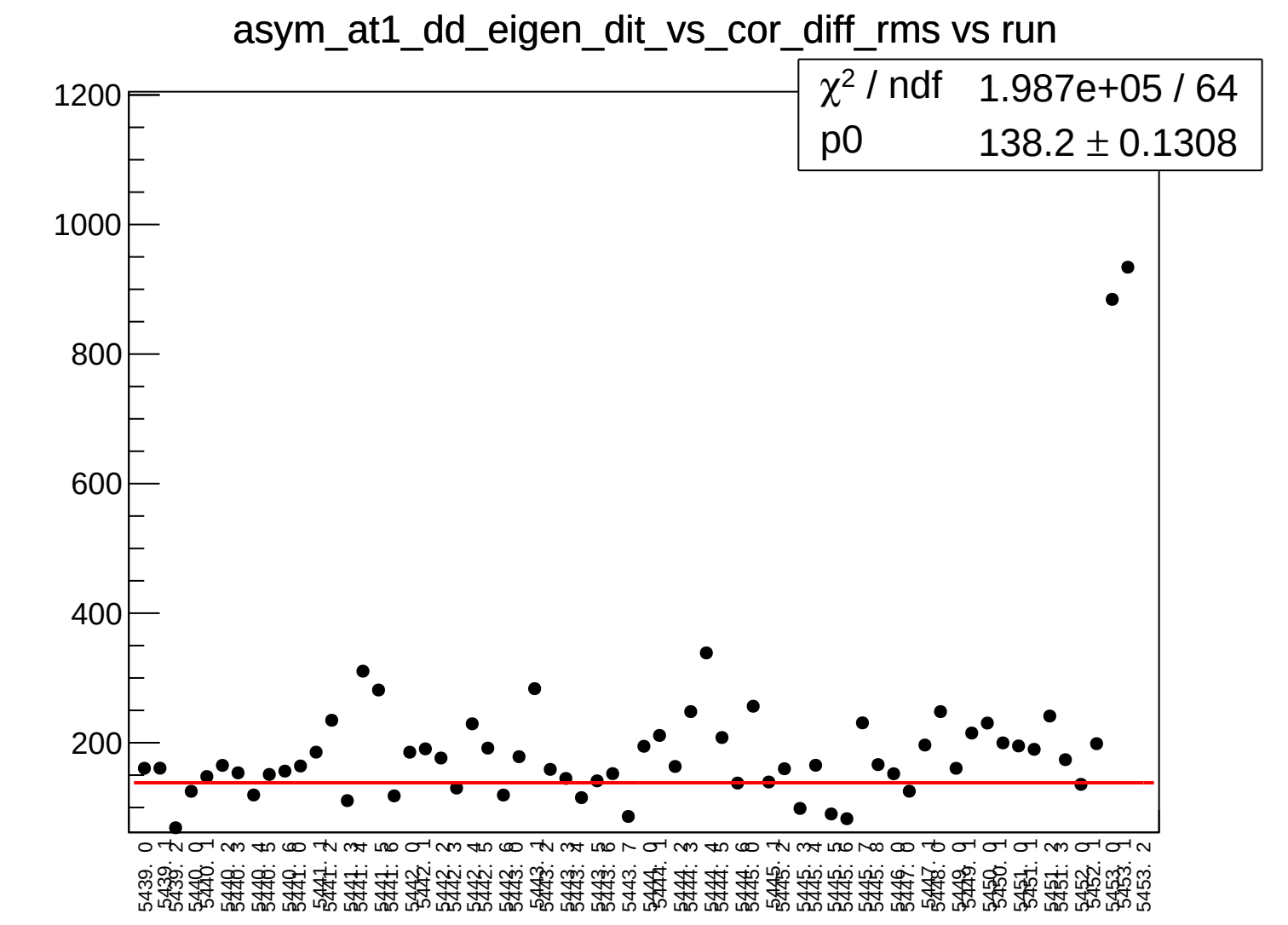

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.987e+05 / 64
p0 138.2 ± 0.1308
1200
1000
800
600
400
200

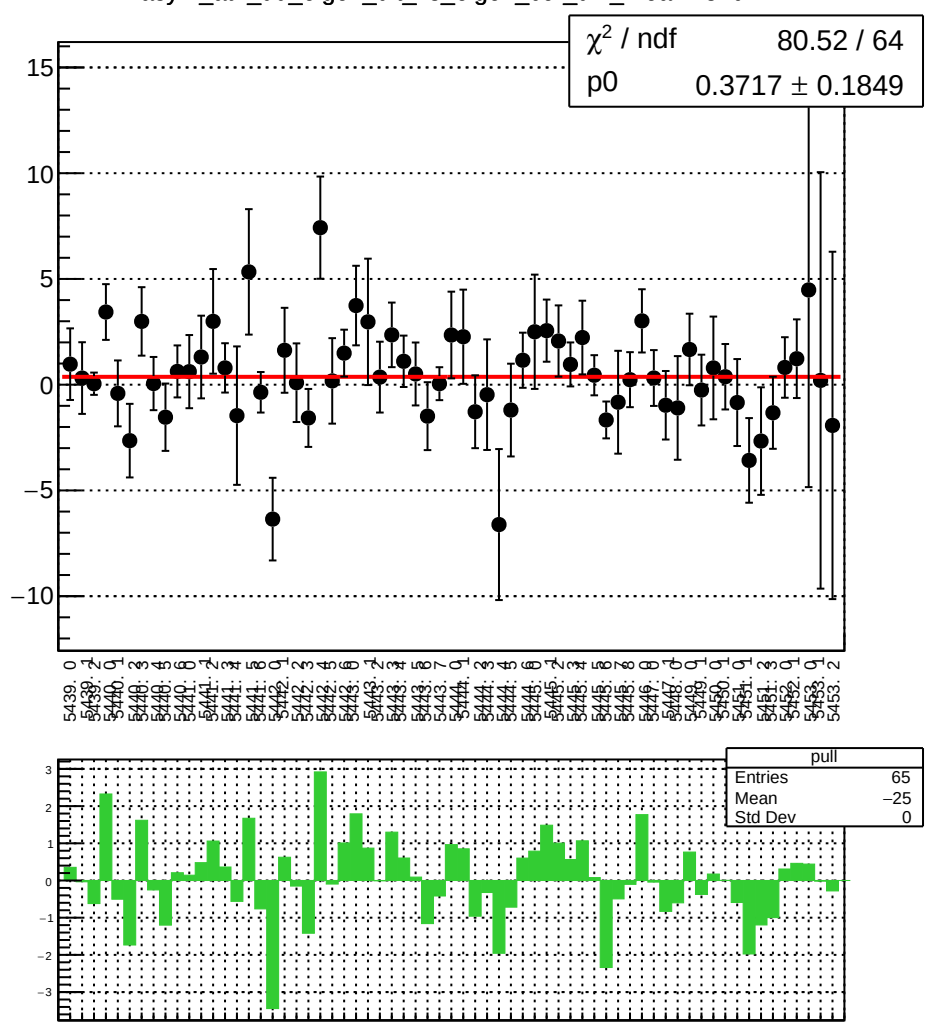

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 53.06 / 64
p0 −5.736e−06 ± 2.853e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 65
Mean 37.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 65
Mean −0.0186
Std Dev 0.9033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

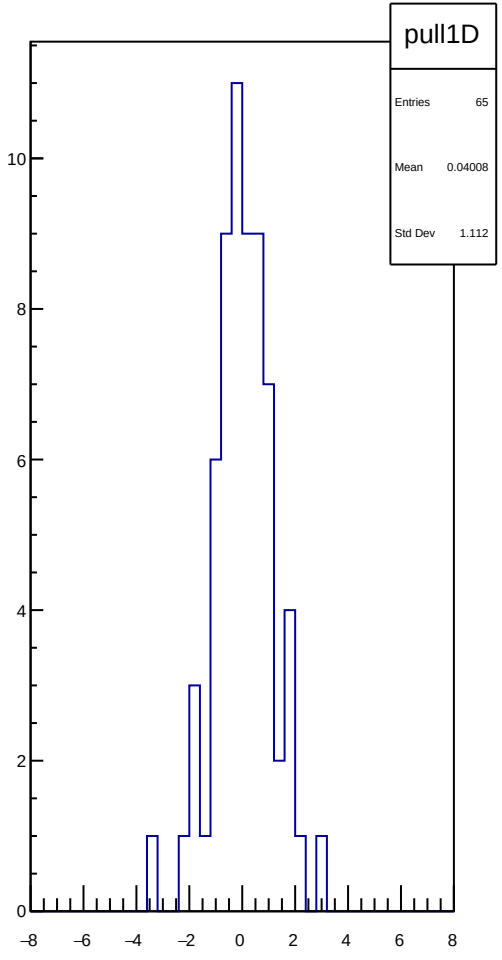

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.738e+04 / 64
p0 0.002281 ± 2.018e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

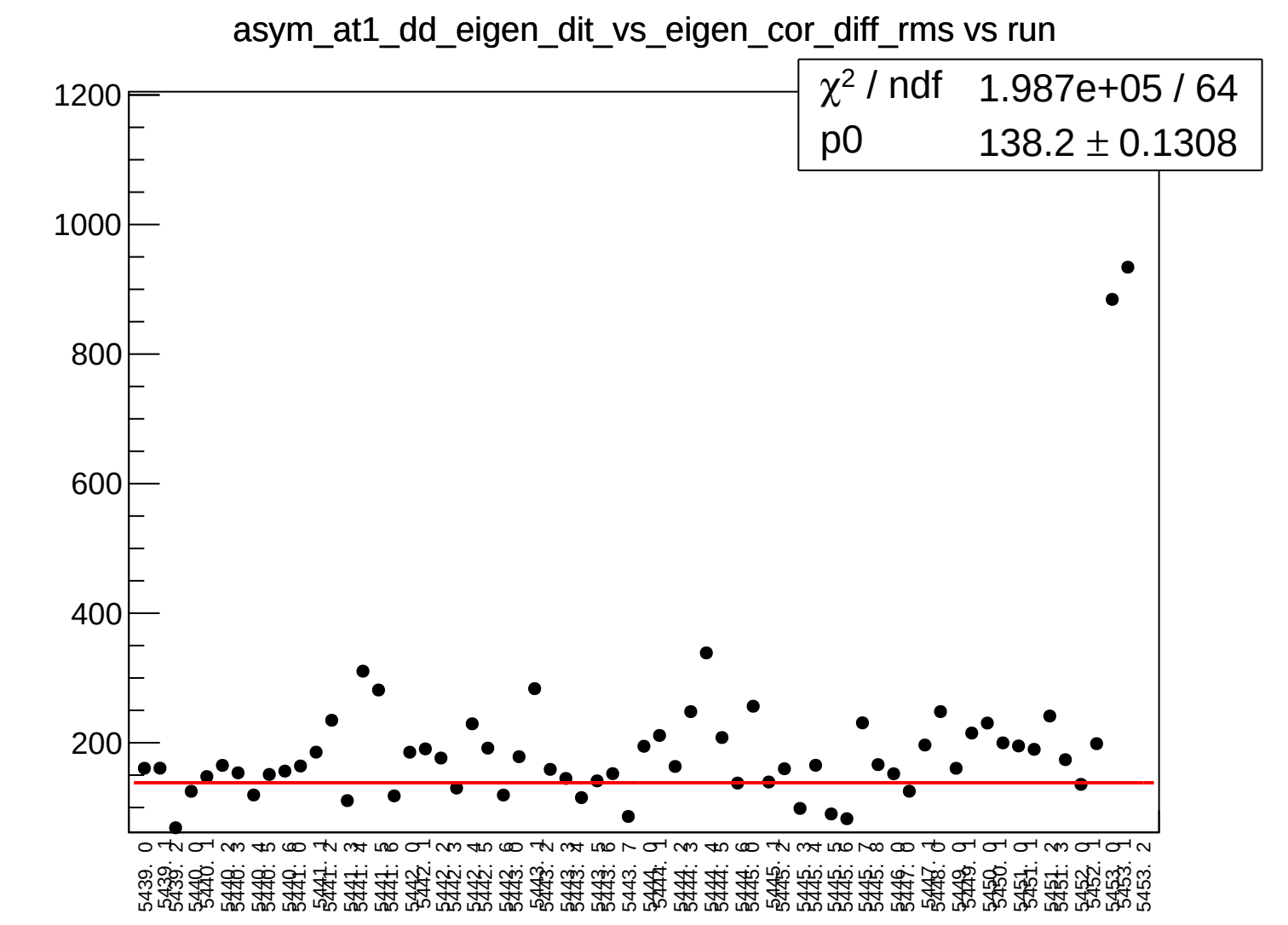

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.52 / 64
p0 0.3717 ± 0.1849
pull
Entries 65
Mean −25
Std Dev 0

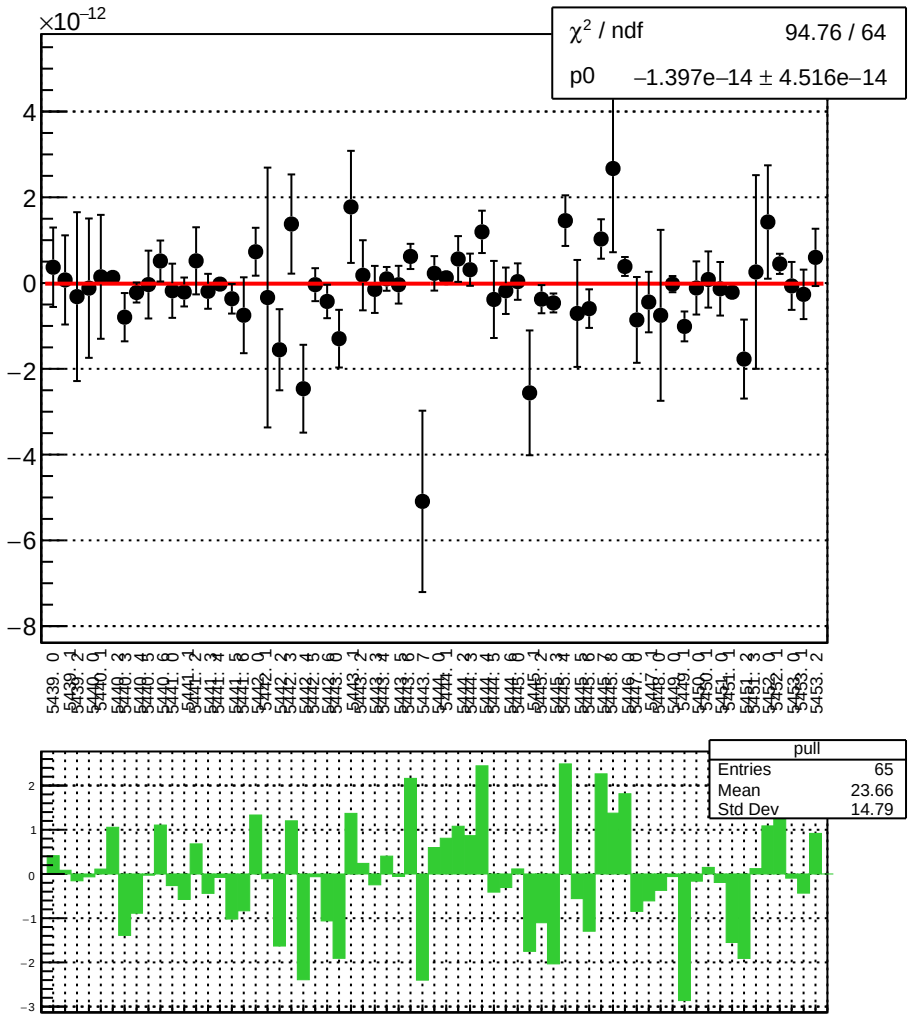

pull1D
Entries 65
Mean 0.04008
Std Dev 1.112

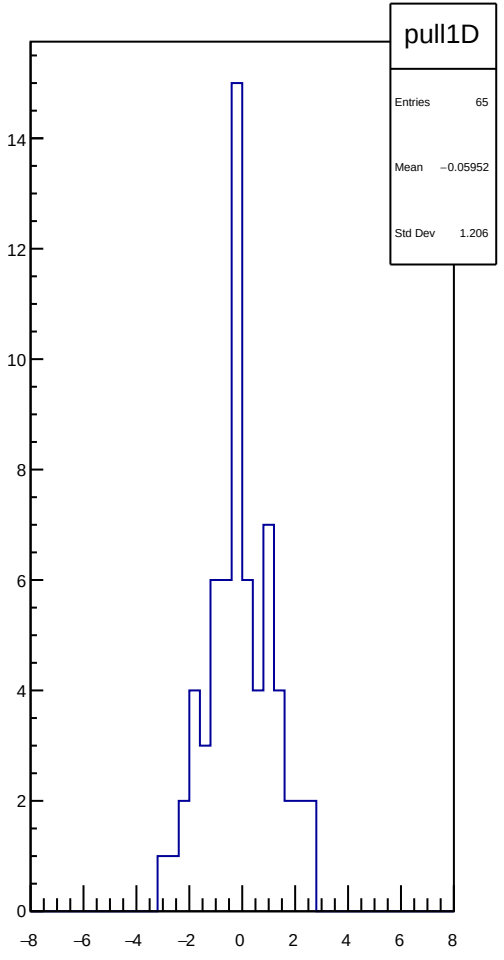

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.987e+05 / 64
p0 138.2 ± 0.1308
1200
1000
800
600
400
200

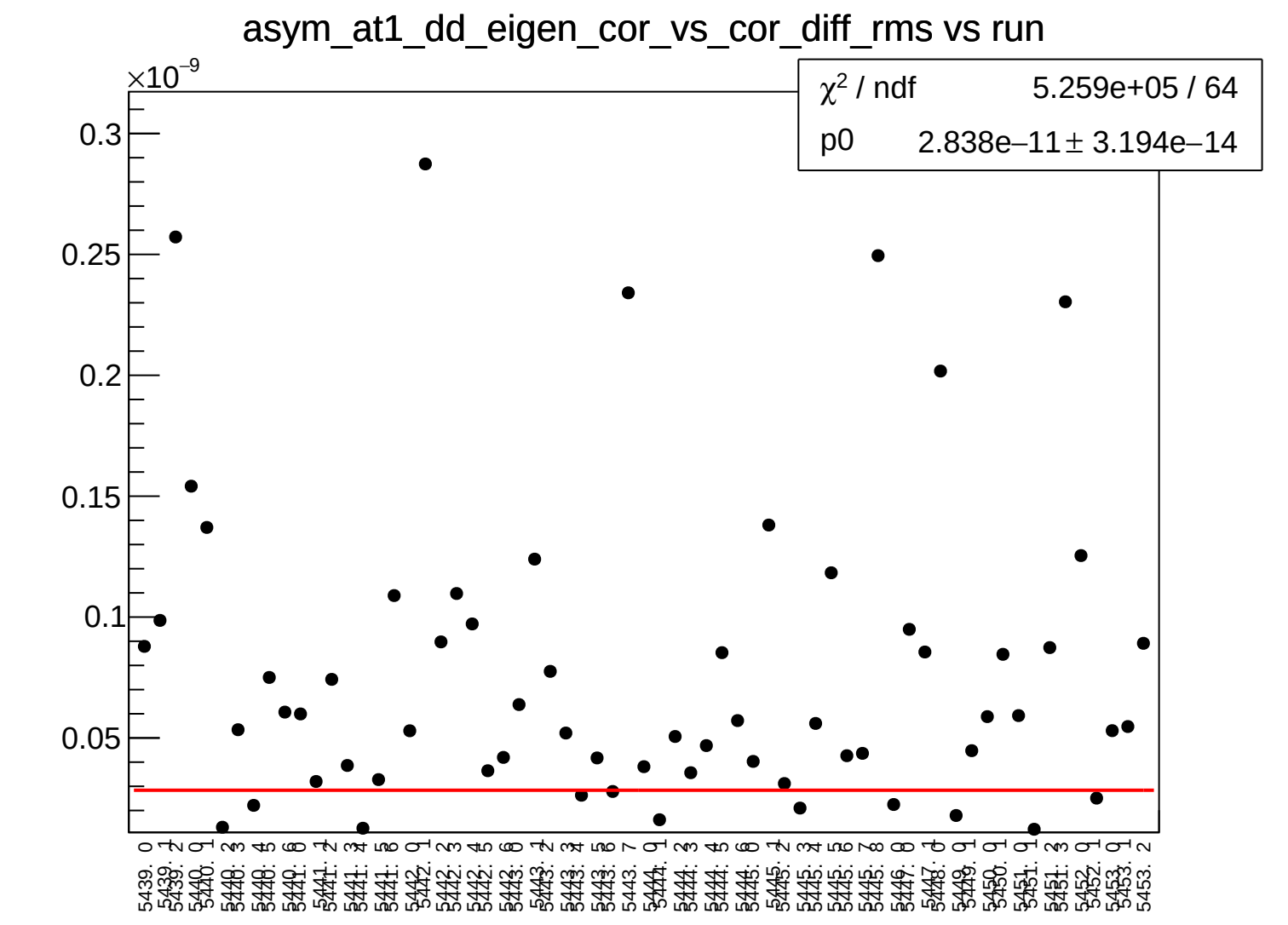

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.52 / 64
p0 0.3717 ± 0.1849
pull
Entries 65
Mean −25
Std Dev 0

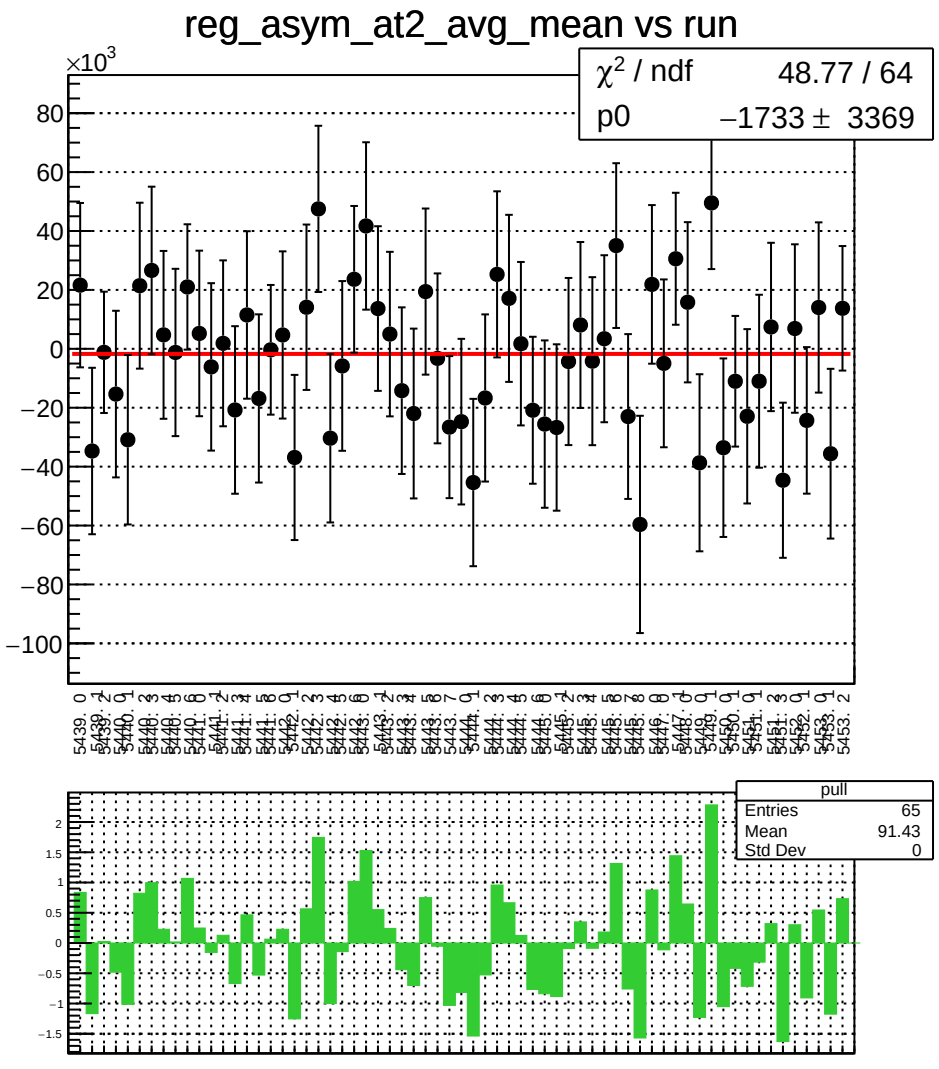

pull1D
Entries 65
Mean 0.04008
Std Dev 1.112

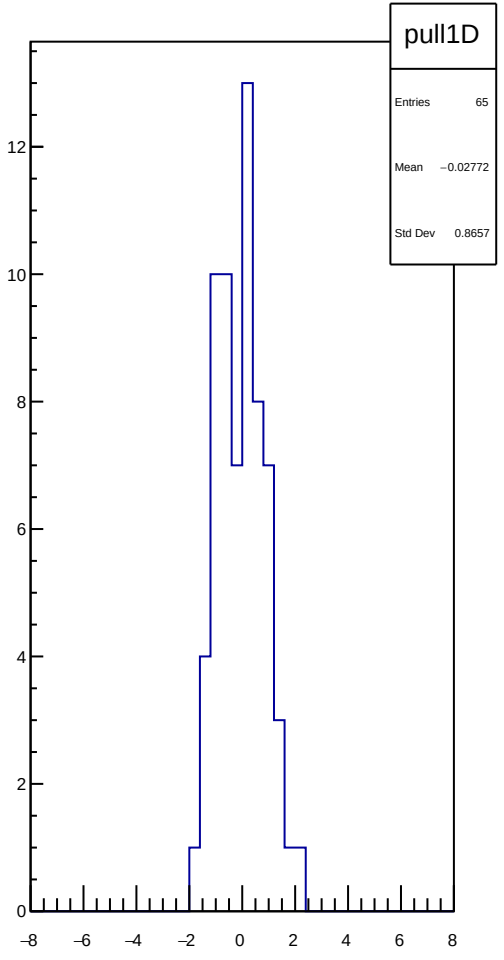

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.987e+05 / 64
p0 138.2 ± 0.1308
1200
1000
800
600
400
200

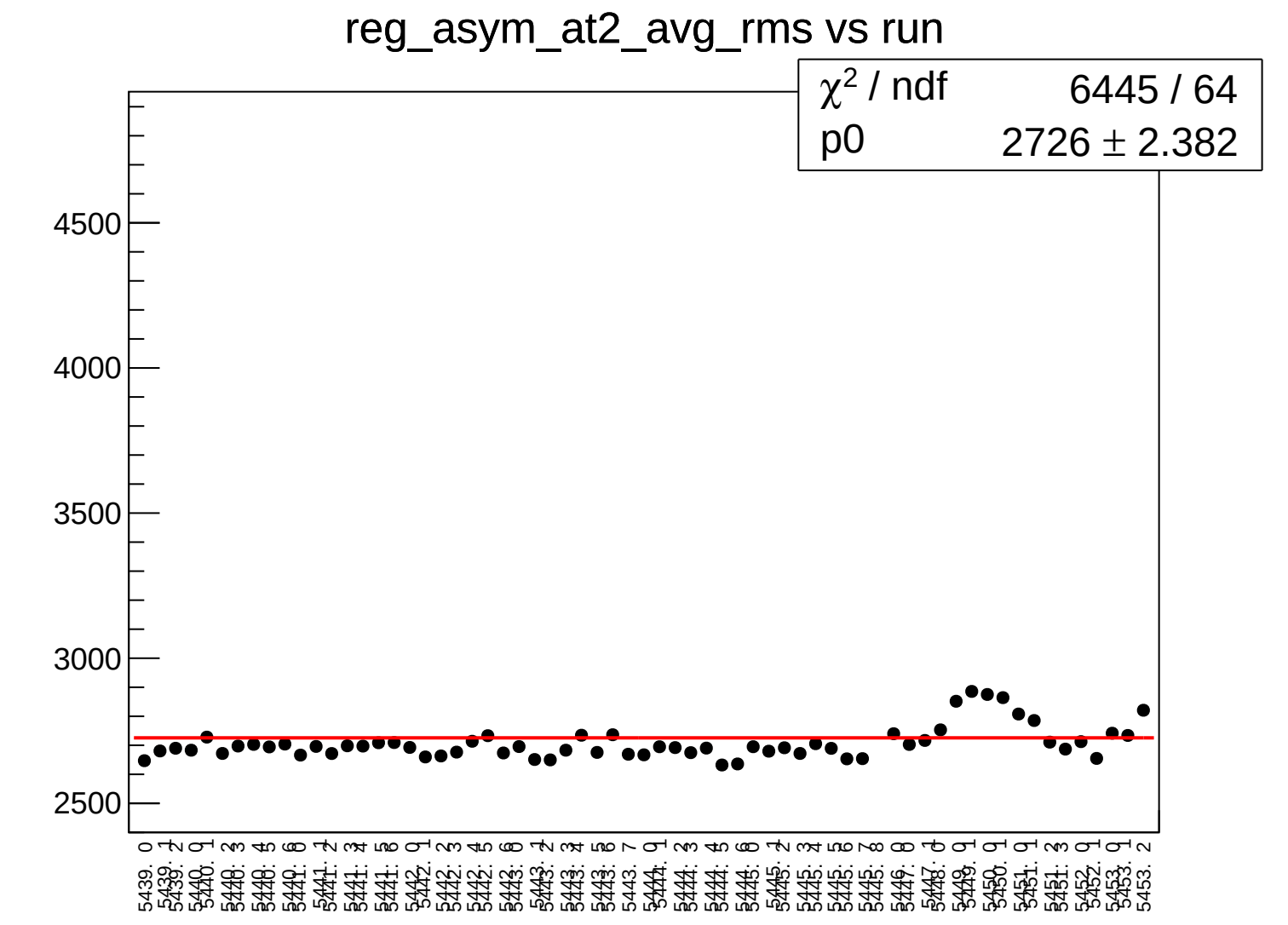

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.76 / 64
p0 −1.397e−14 ± 4.516e−14
pull
Entries 65
Mean 23.66
Std Dev 14.79

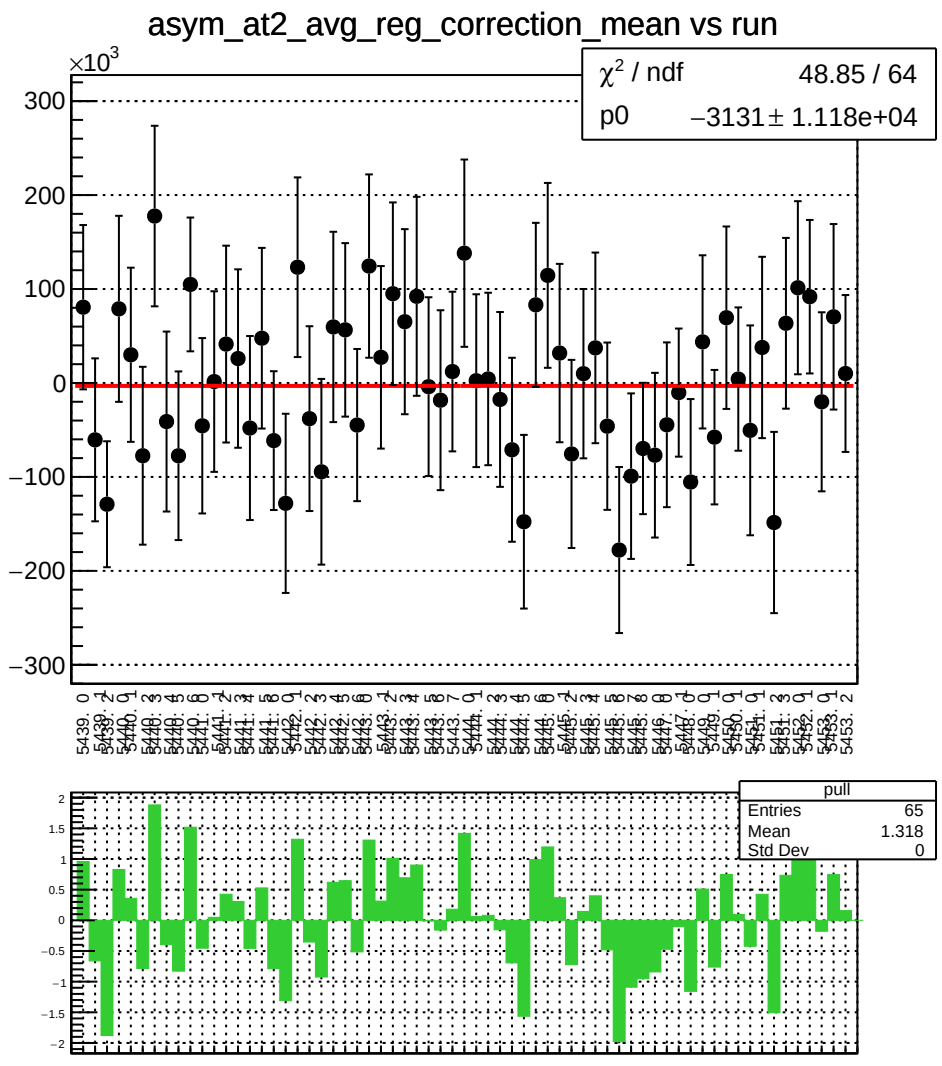

pull1D
Entries 65
Mean −0.05952
Std Dev 1.206

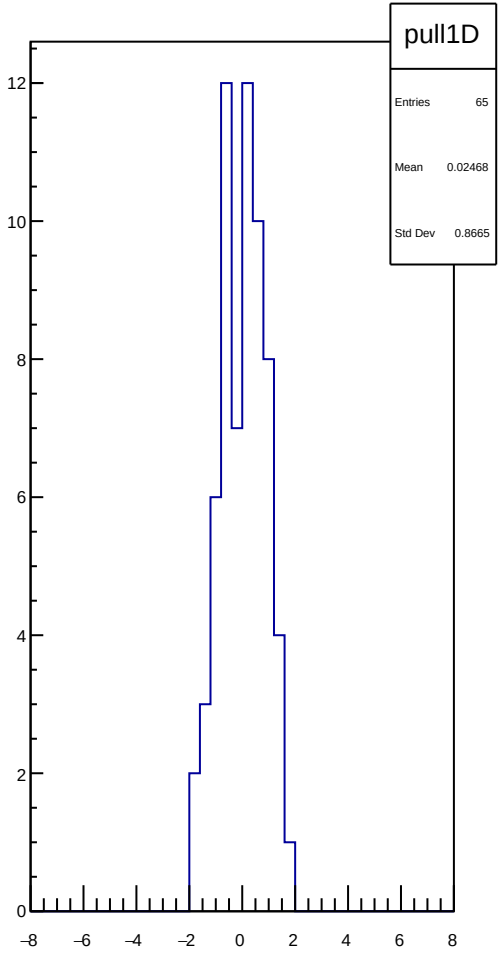

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.259e+05 / 64
p0 2.838e−11 ± 3.194e−14
0.3
0.25
0.2
0.15
0.1
0.05

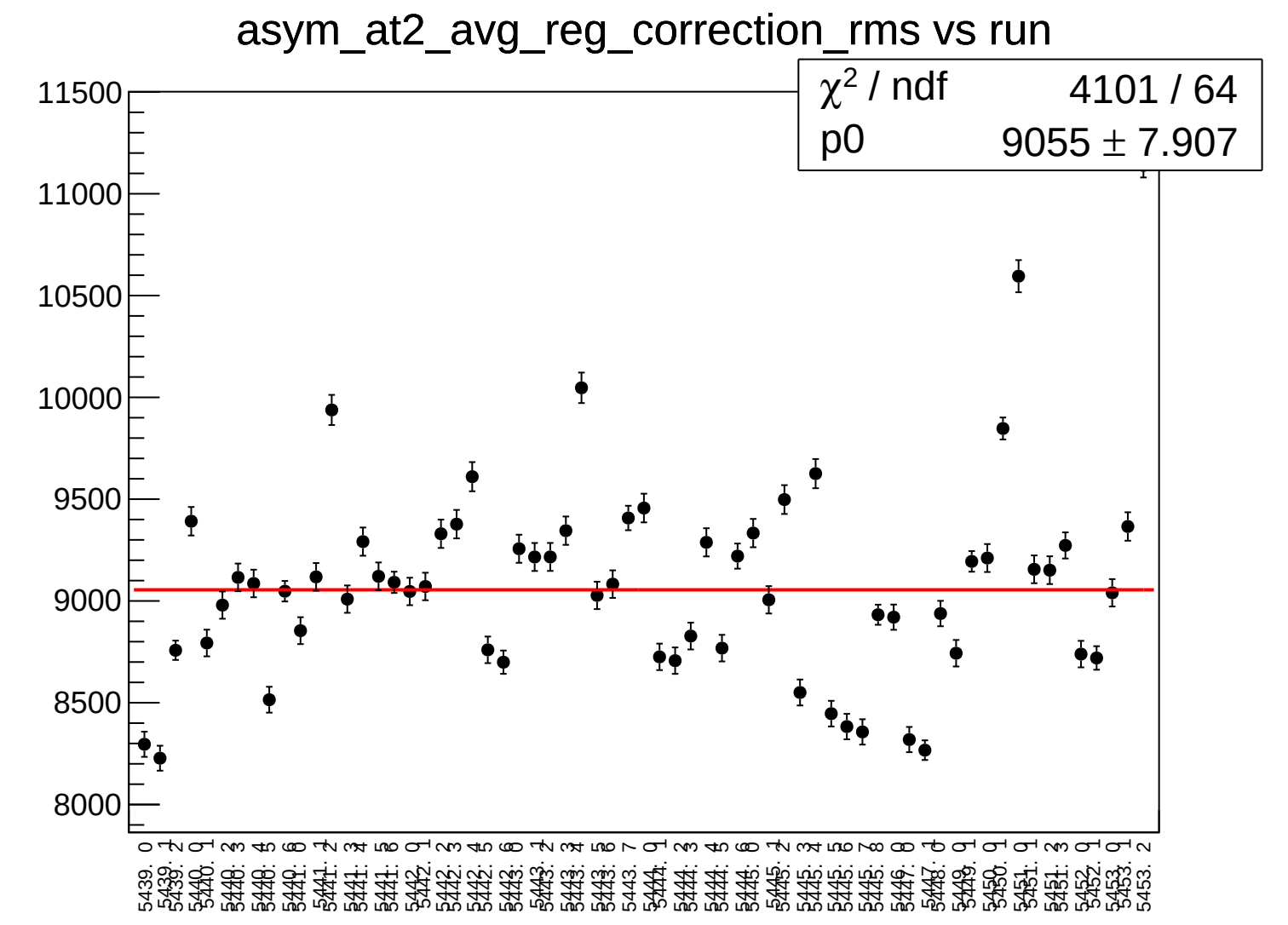

reg_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 48.77 / 64
p0 −1733 ± 3369
pull
Entries 65
Mean 91.43
Std Dev 0

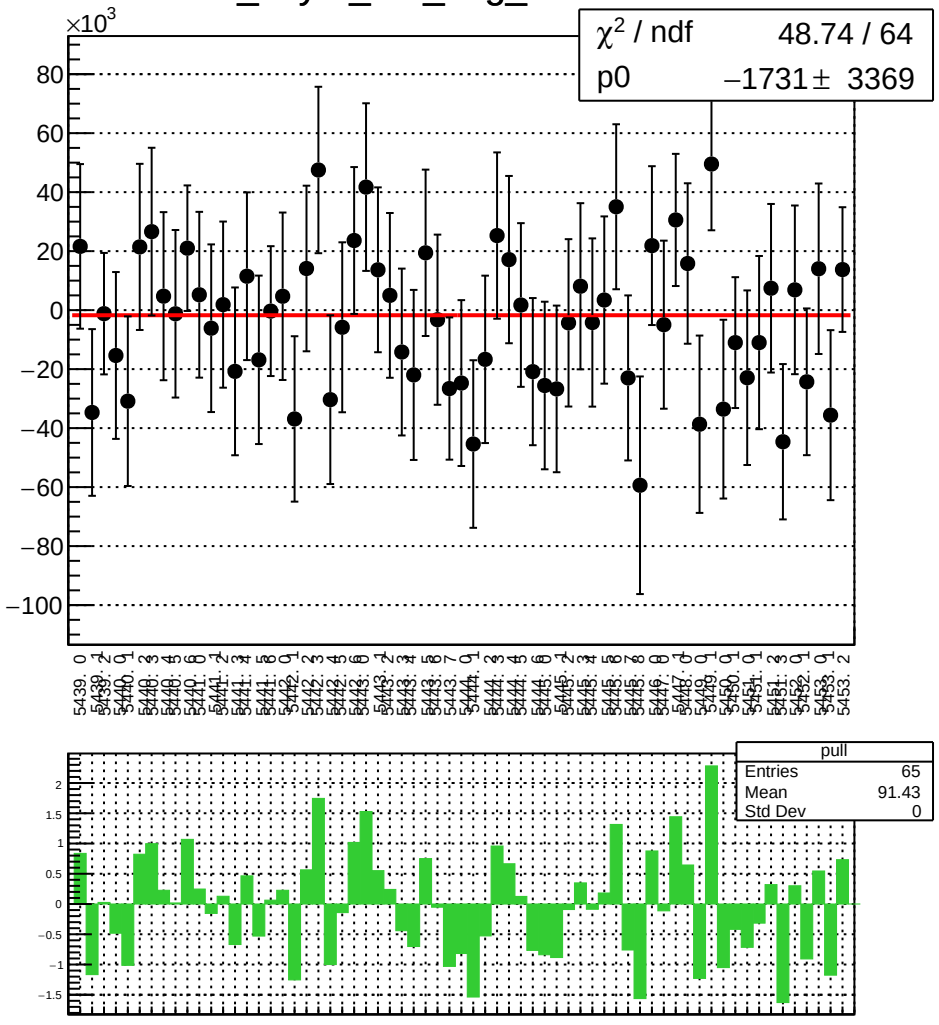

pull1D
Entries 65
Mean −0.02772
Std Dev 0.8657

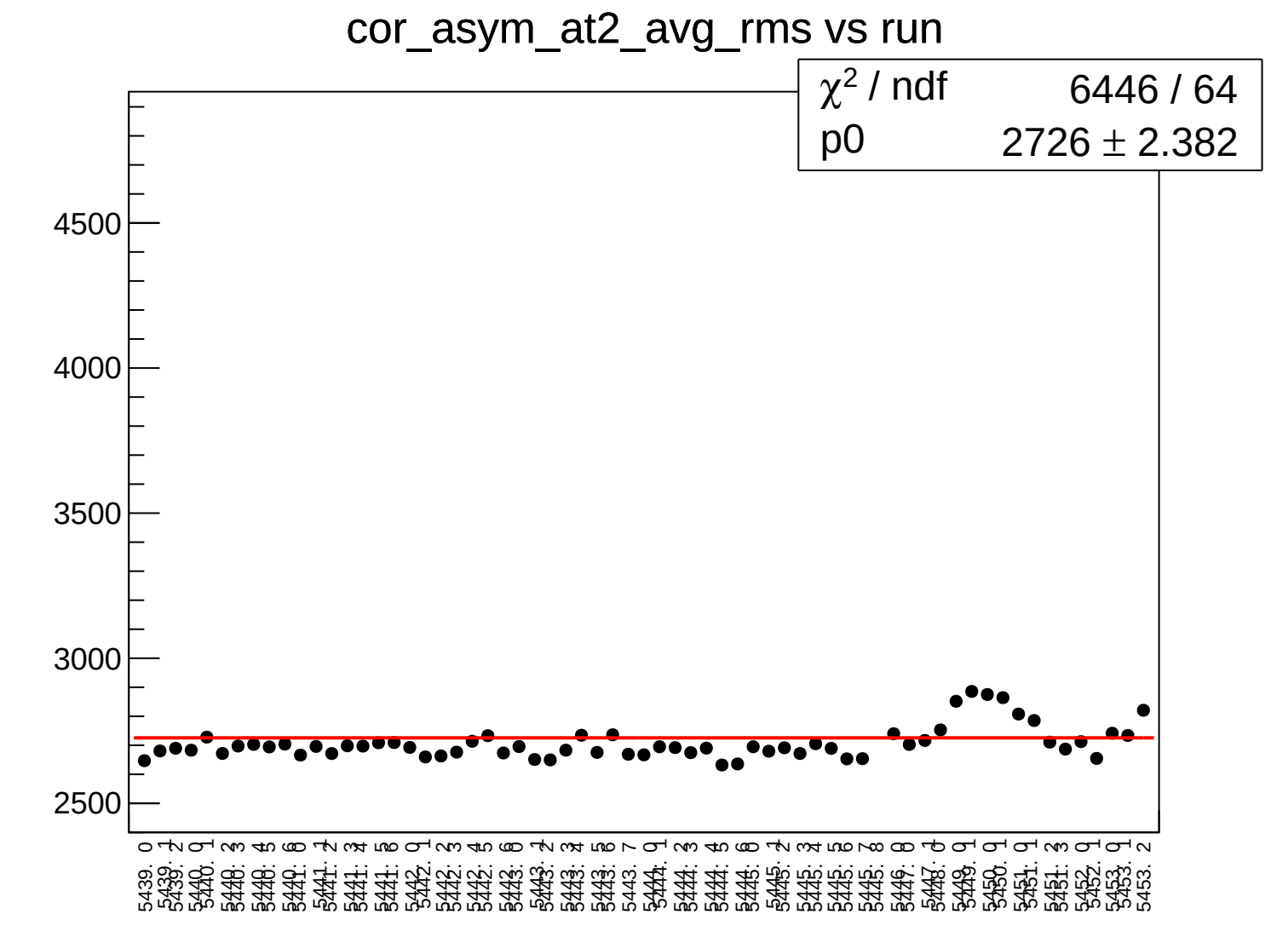

reg_asym_at2_avg_rms vs run
χ² / ndf 6445 / 64
p0 2726 ± 2.382
4500
4000
3500
3000
2500

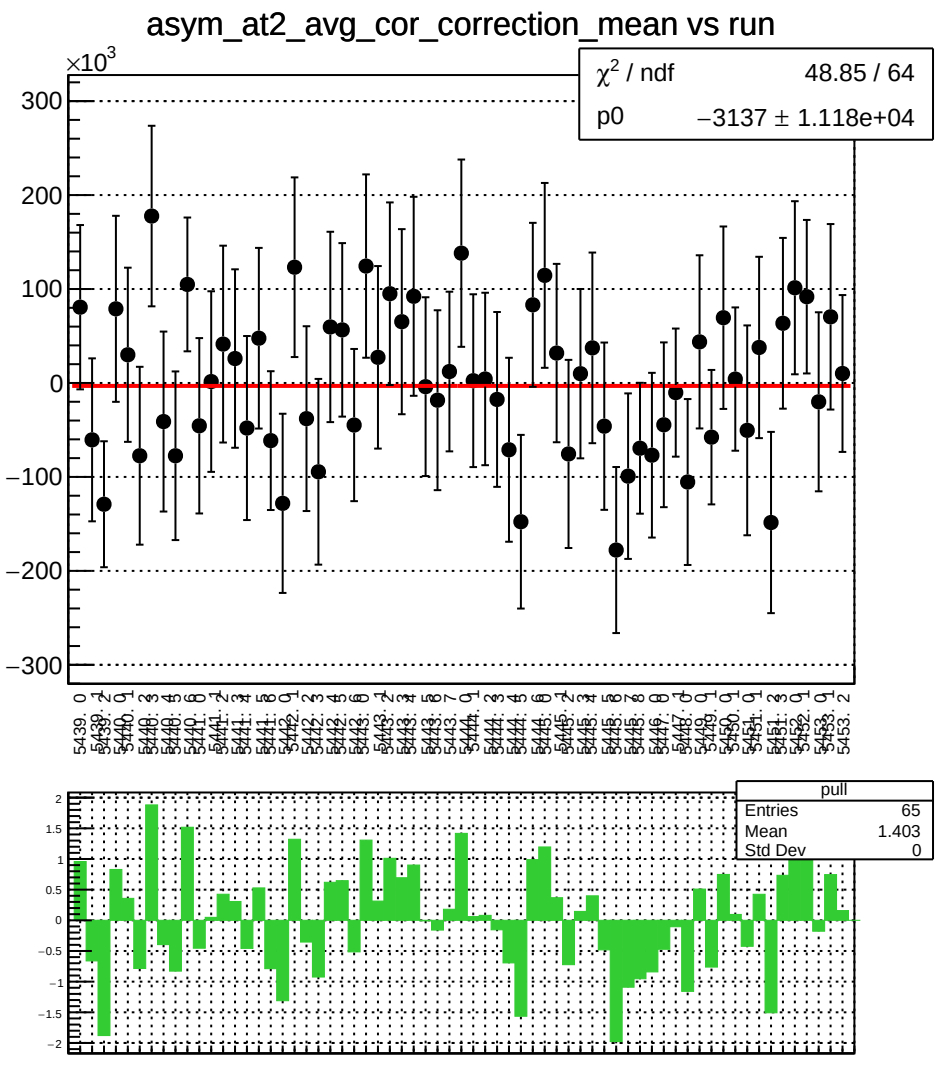

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 48.85 / 64
p0 −3131 ± 1.118e+04
pull
Entries 65
Mean 1.318
Std Dev 0

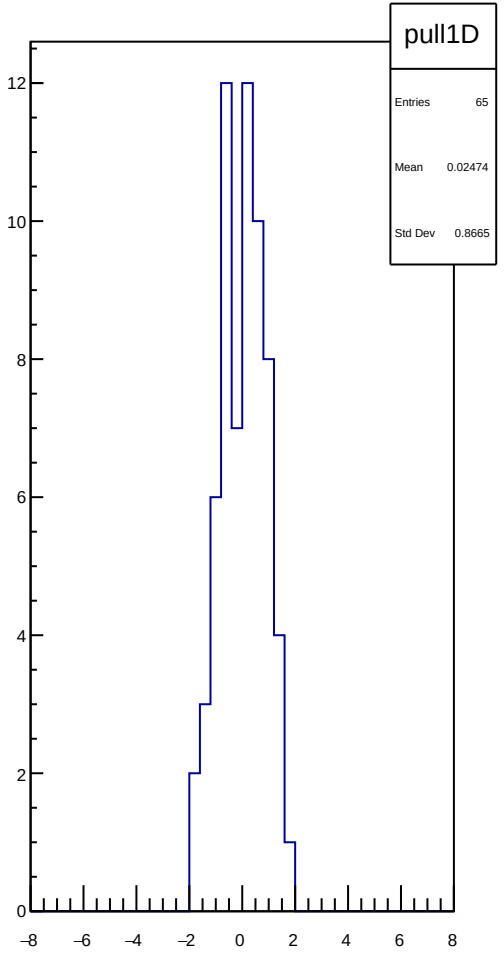

pull1D
Entries 65
Mean 0.02468
Std Dev 0.8665

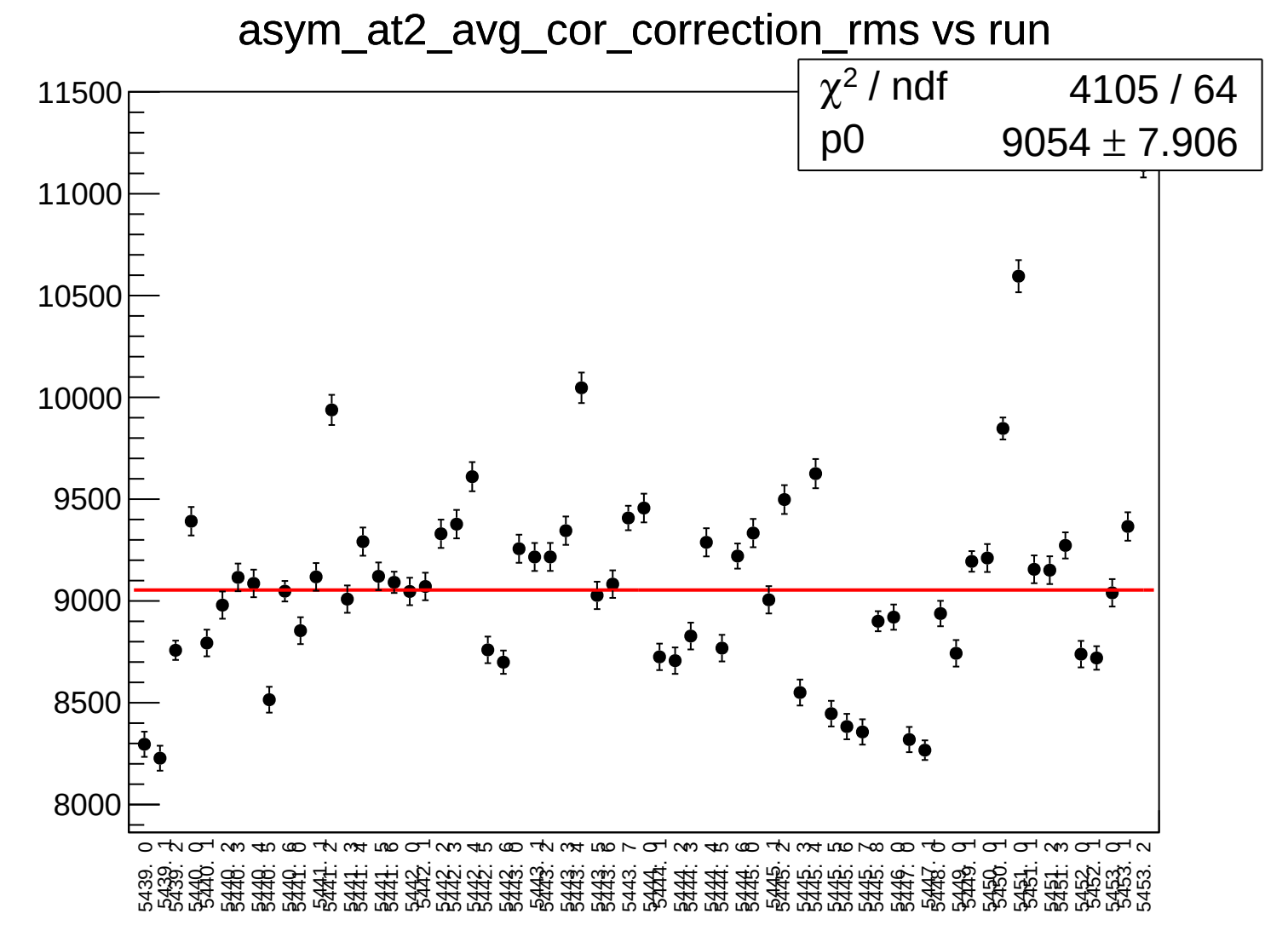

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 4101 / 64
p0 9055 ± 7.907
11500
11000
10500
10000
9500
9000
8500
8000

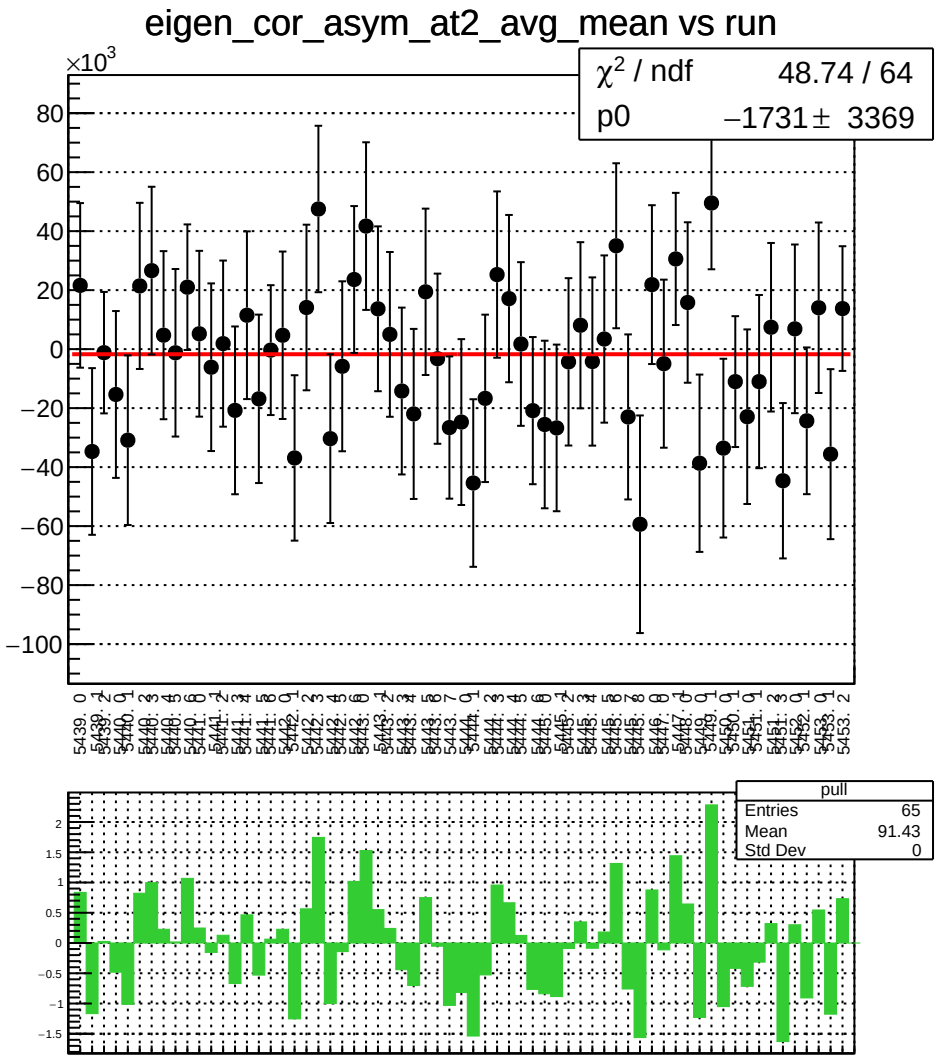

cor_asym_at2_avg_mean vs run
×10^3
χ² / ndf 48.74 / 64
p0 −1731 ± 3369
pull
Entries 65
Mean 91.43
Std Dev 0
pull1D
Entries 65
Mean −0.0277
Std Dev 0.8655

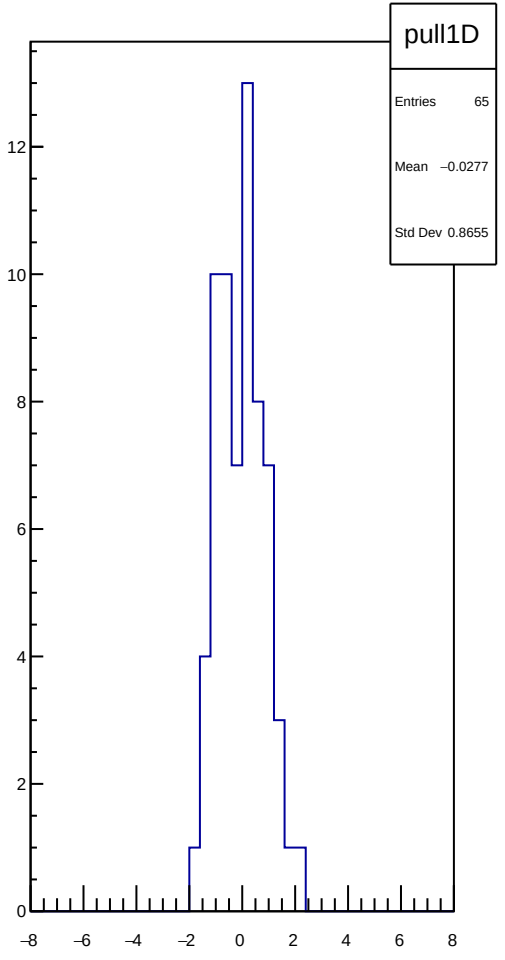

cor_asym_at2_avg_rms vs run
χ² / ndf 6446 / 64
p0 2726 ± 2.382
4500
4000
3500
3000
2500

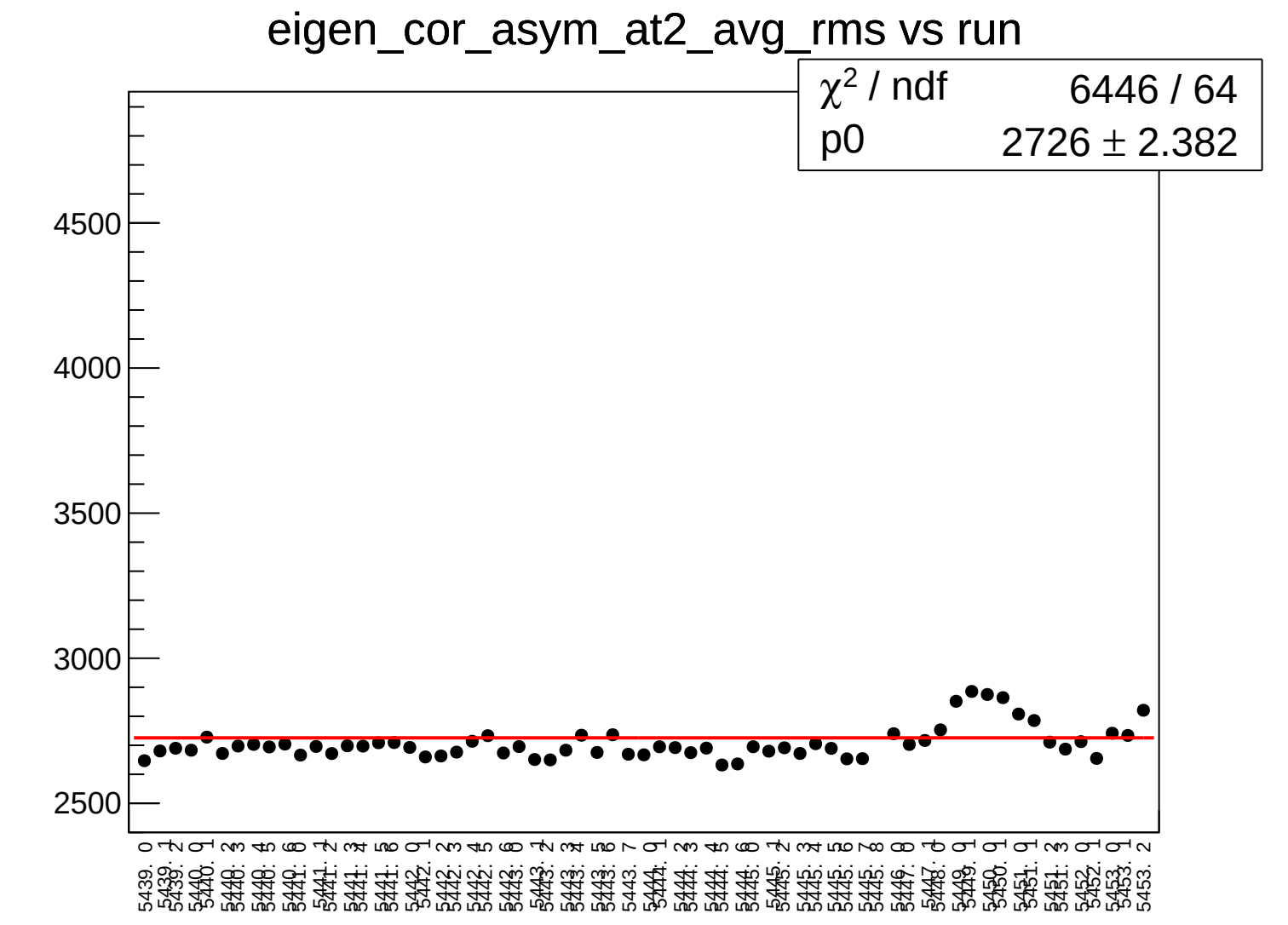

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 48.85 / 64
p0 −3137 ± 1.118e+04
pull
Entries 65
Mean 1.403
Std Dev 0

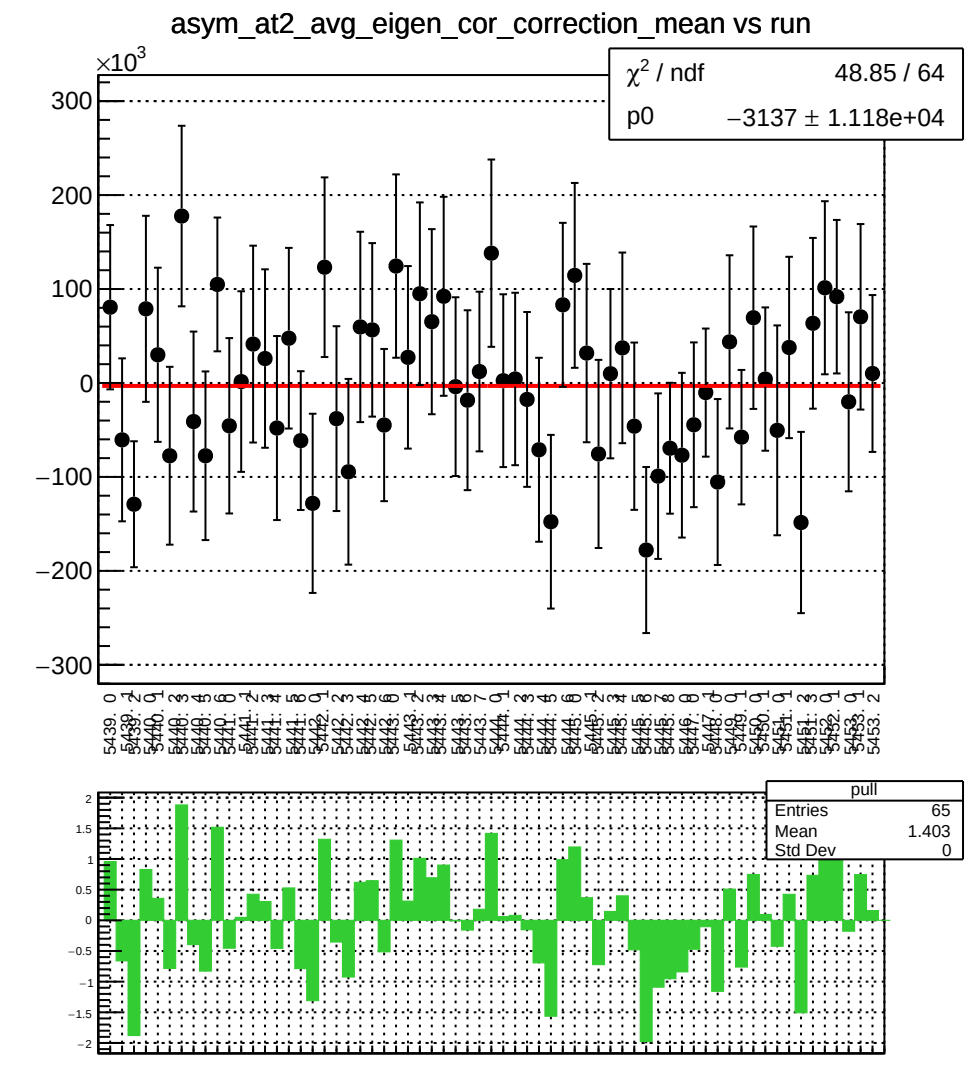

pull1D
Entries 65
Mean 0.02474
Std Dev 0.8665

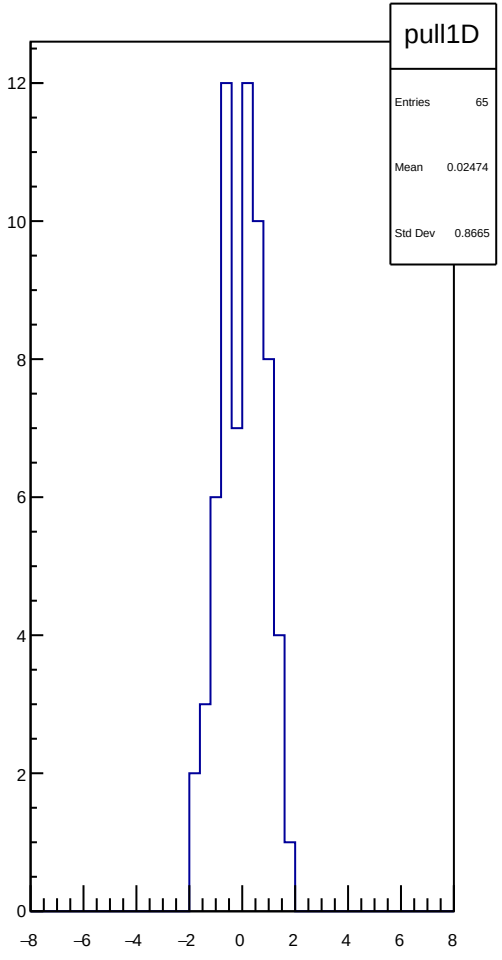

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 4105 / 64
p0 9054 ± 7.906
11500
11000
10500
10000
9500
9000
8500
8000

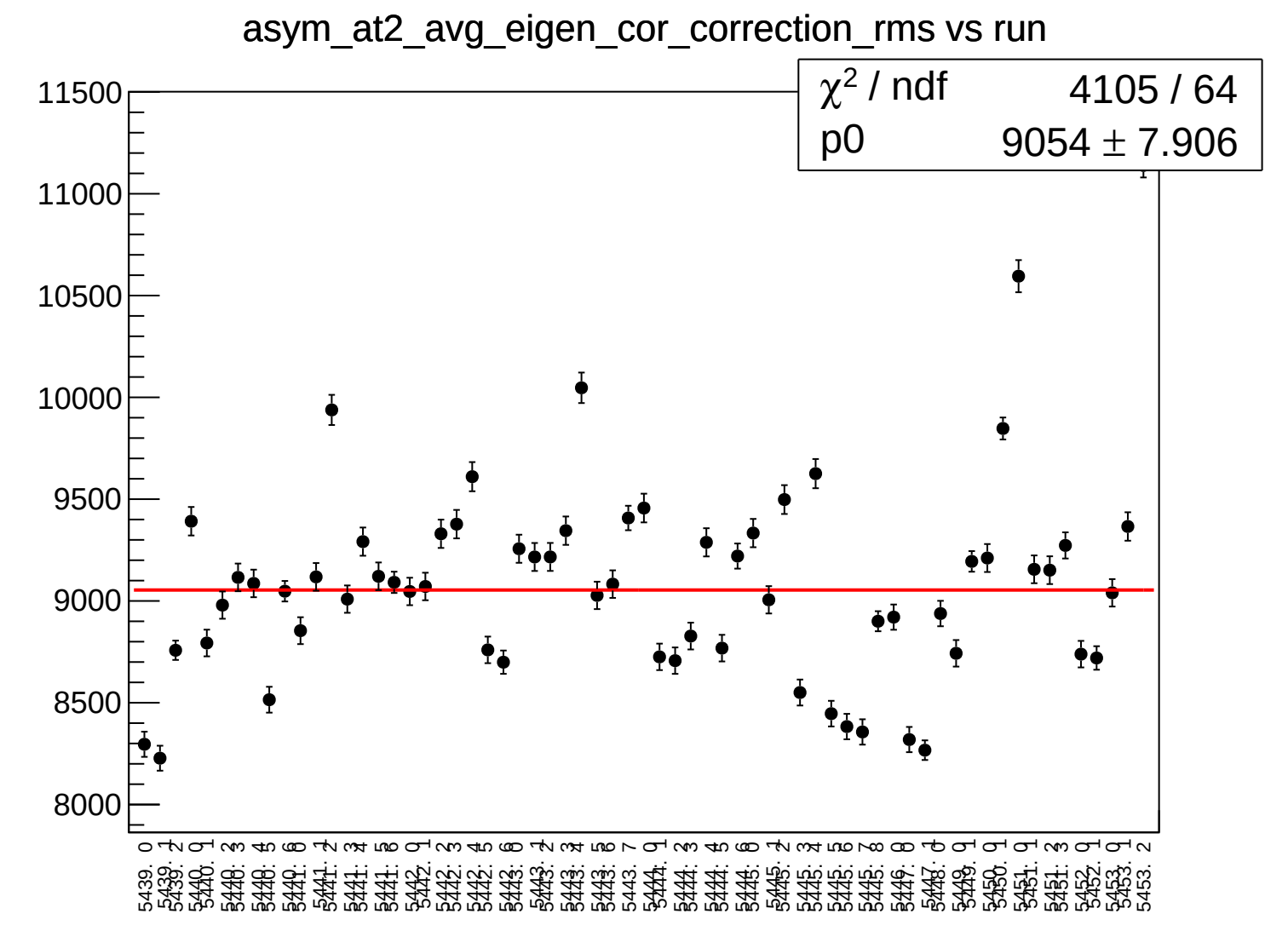

eigen_cor_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 48.74 / 64
p0 −1731 ± 3369
pull
Entries 65
Mean 91.43
Std Dev 0

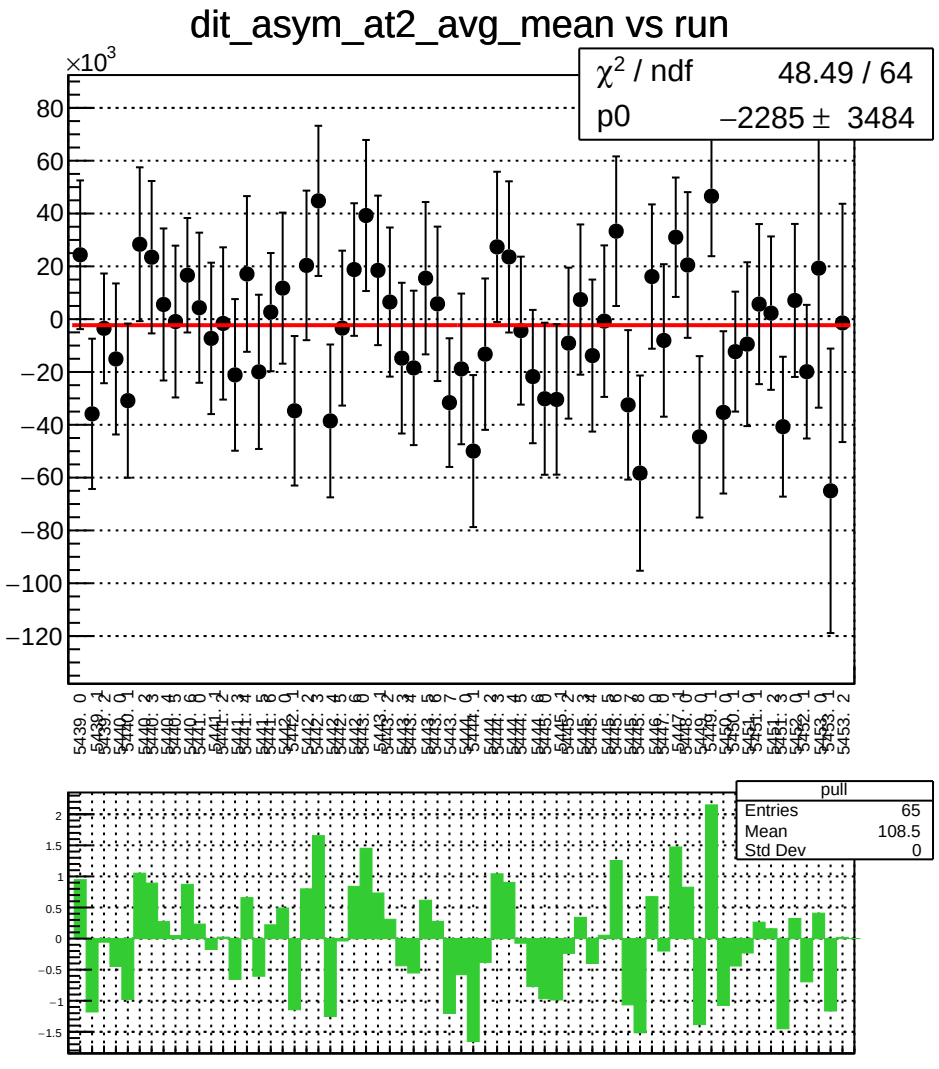

pull1D
Entries 65
Mean −0.0277
Std Dev 0.8655

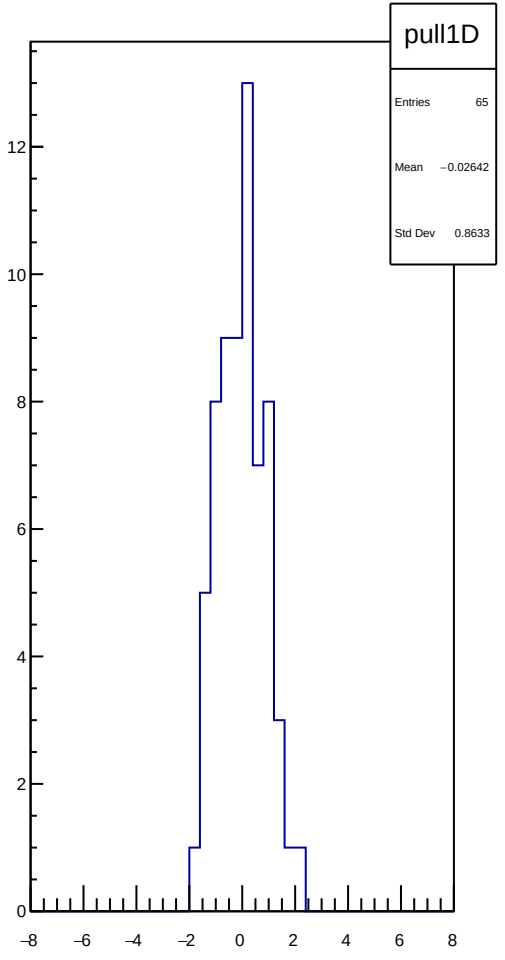

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 6446 / 64
p0 2726 ± 2.382
4500
4000
3500
3000
2500

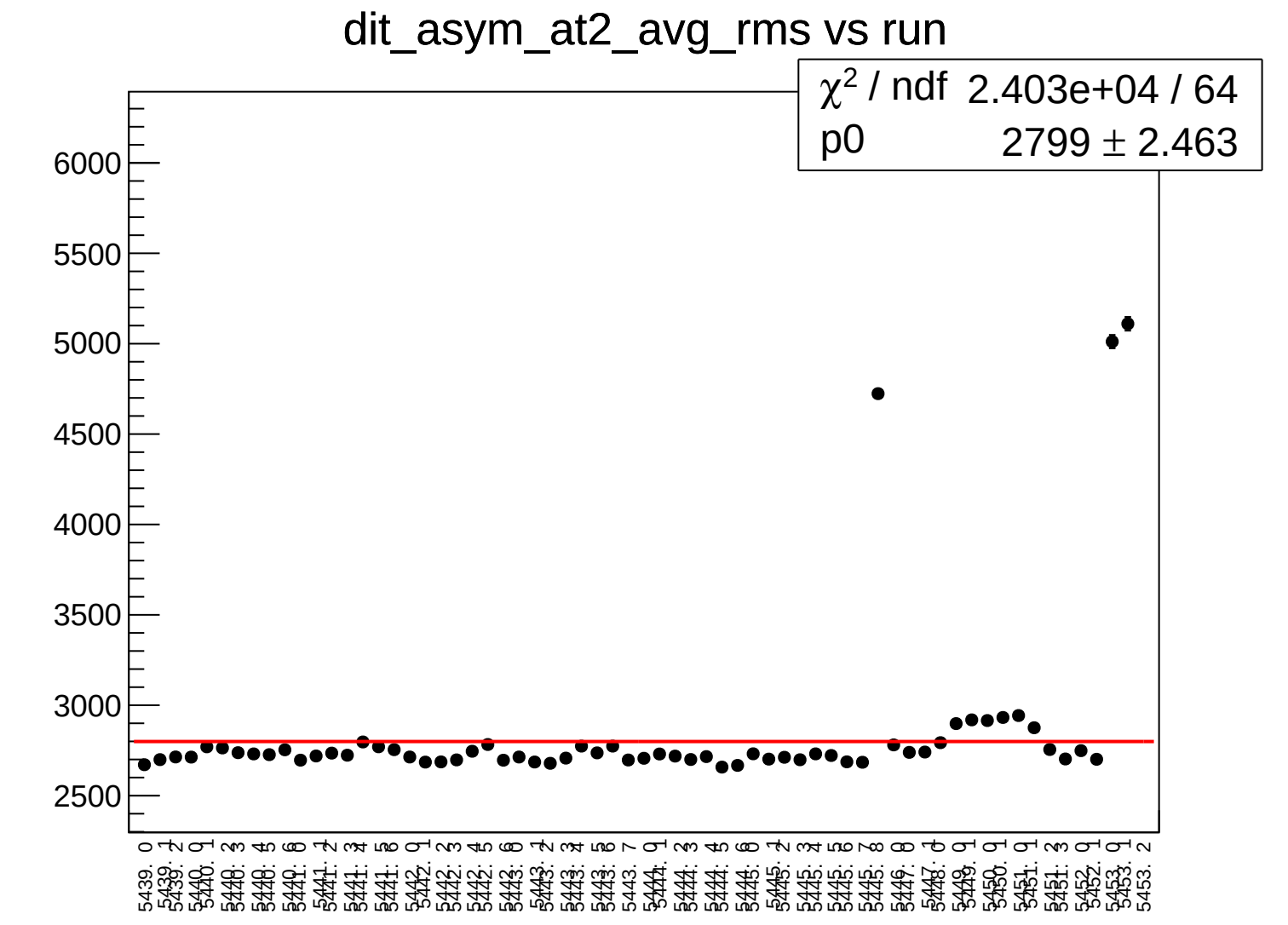

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.85 / 64
p0 −3137 ± 1.118e+04
pull
Entries 65
Mean 1.403
Std Dev 0

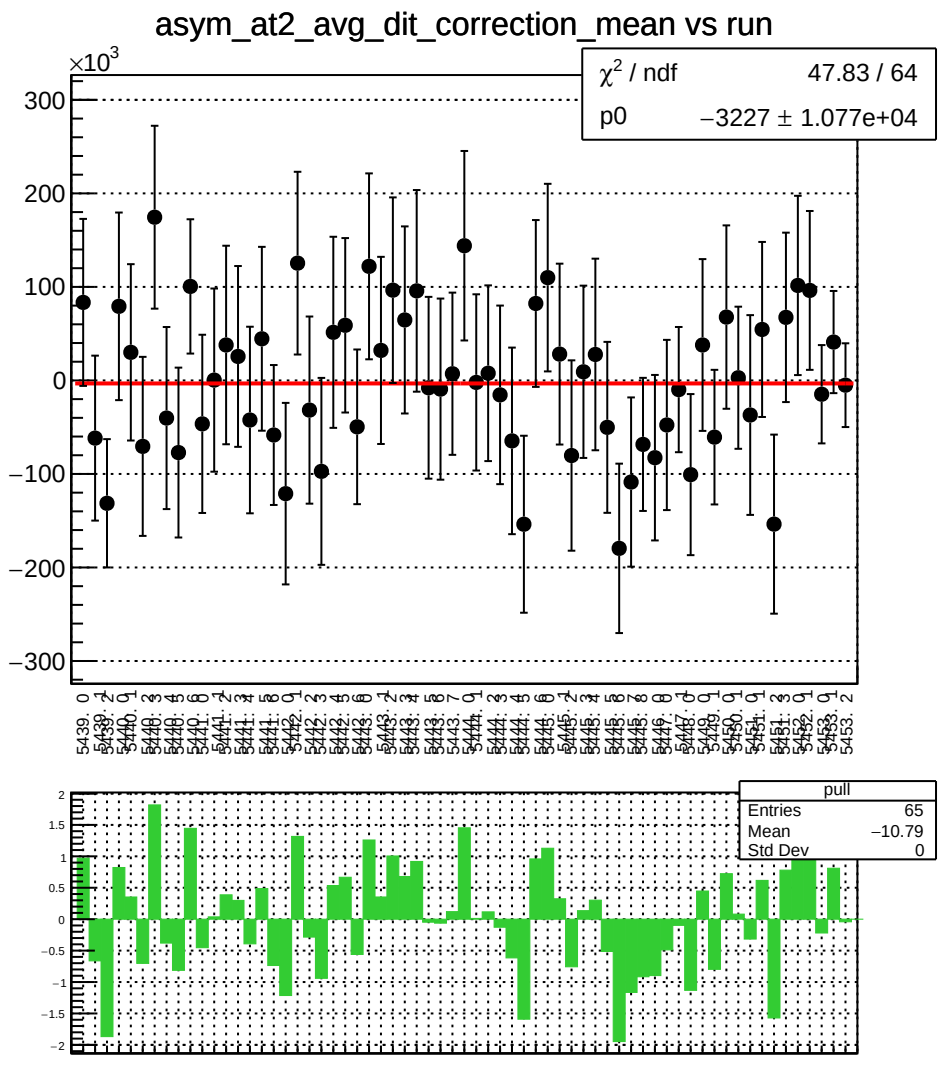

pull1D
Entries 65
Mean 0.02474
Std Dev 0.8665

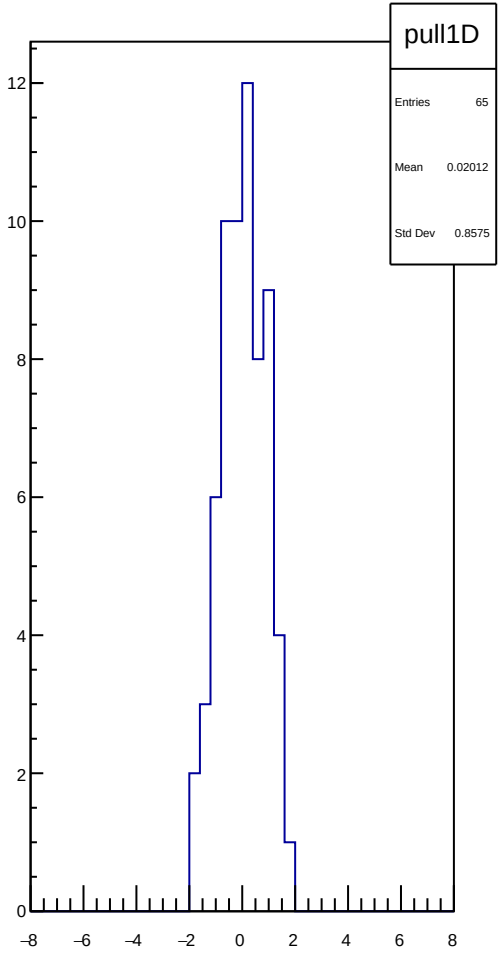

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4105 / 64
p0 9054 ± 7.906
11500
11000
10500
10000
9500
9000
8500
8000

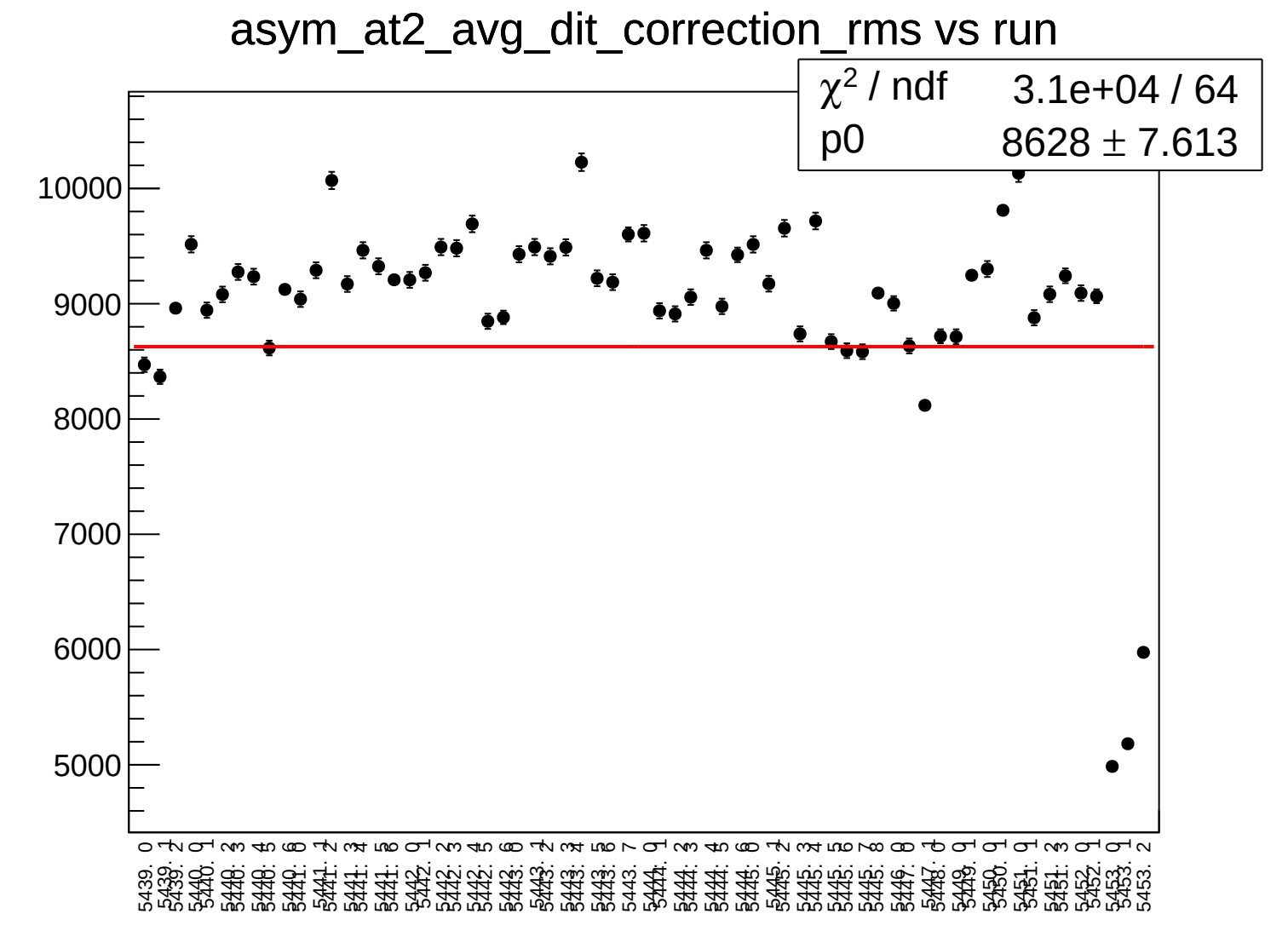

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 48.49 / 64
p0 −2285 ± 3484
pull
Entries 65
Mean 108.5
Std Dev 0

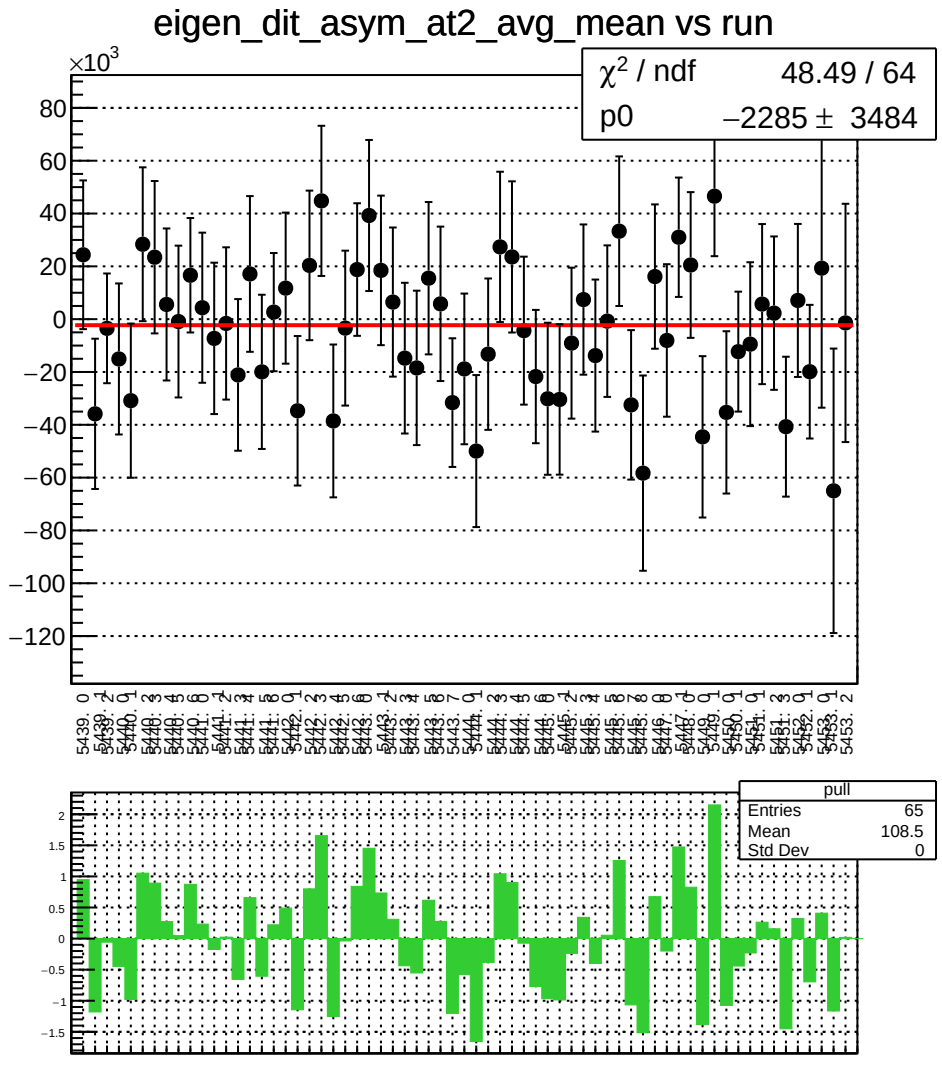

pull1D
Entries 65
Mean −0.02642
Std Dev 0.8633

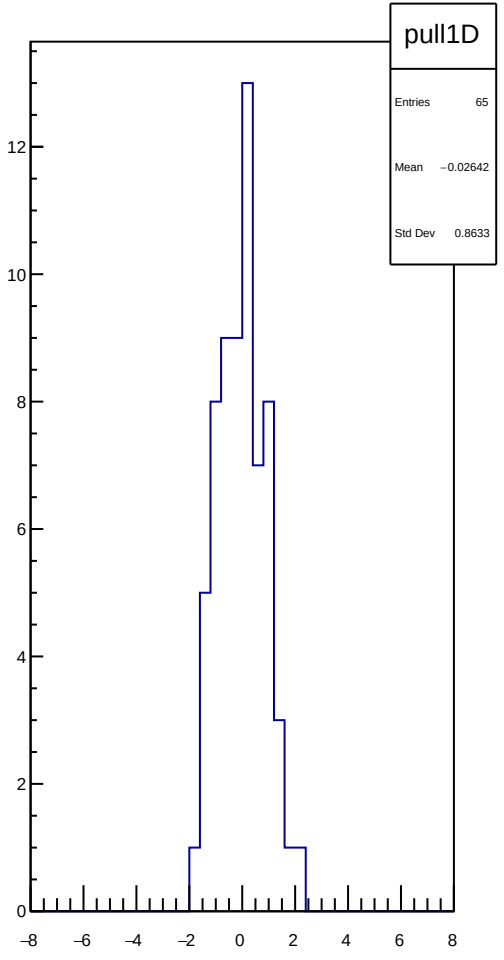

dit_asym_at2_avg_rms vs run
χ² / ndf 2.403e+04 / 64
p0 2799 ± 2.463
6000
5500
5000
4500
4000
3500
3000
2500

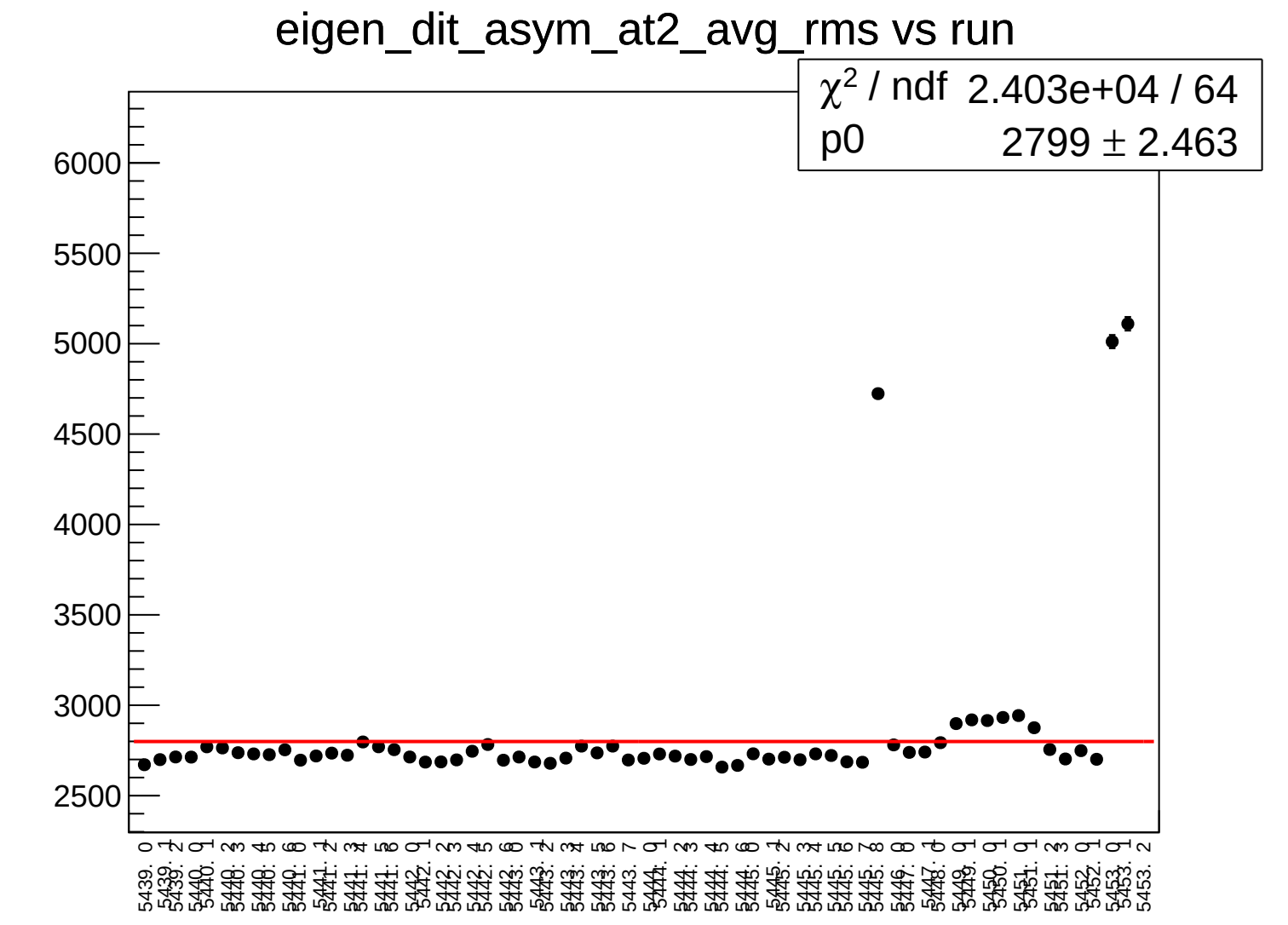

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 47.83 / 64
p0 −3227 ± 1.077e+04
pull
Entries 65
Mean −10.79
Std Dev 0

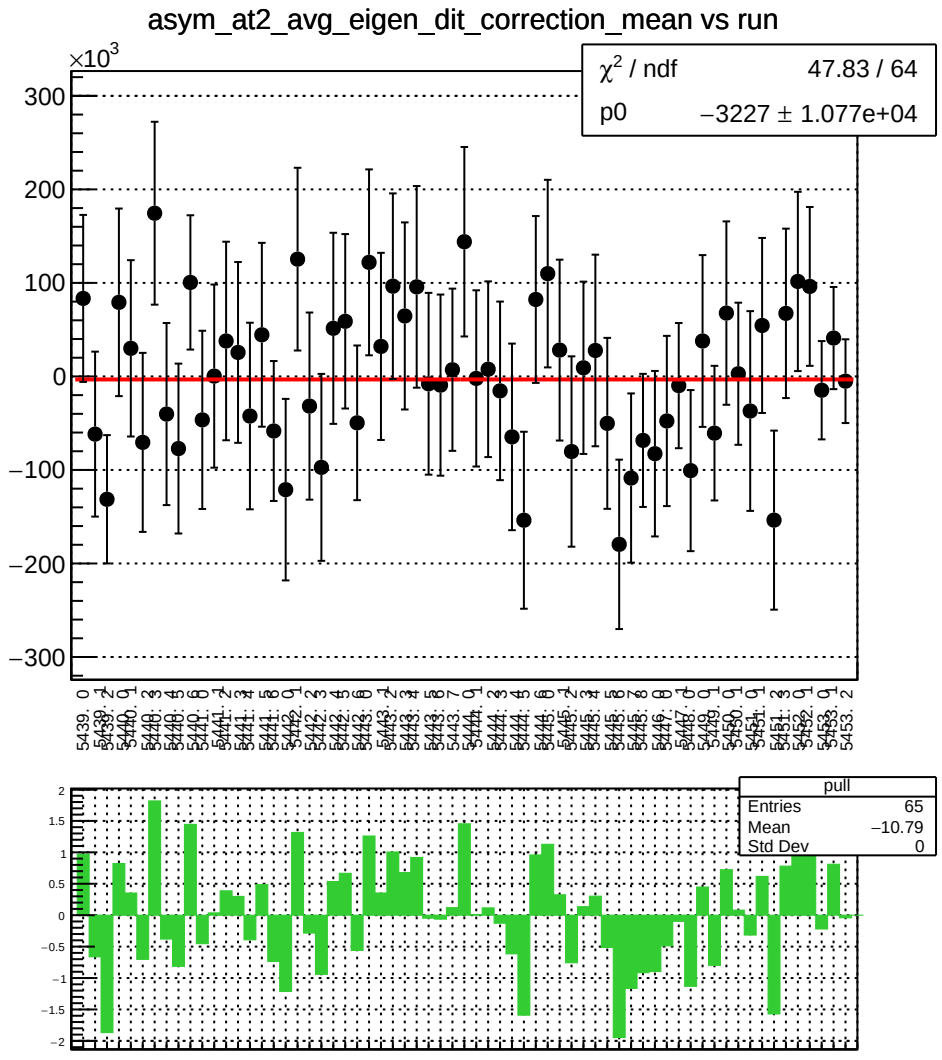

pull1D
Entries 65
Mean 0.02012
Std Dev 0.8575

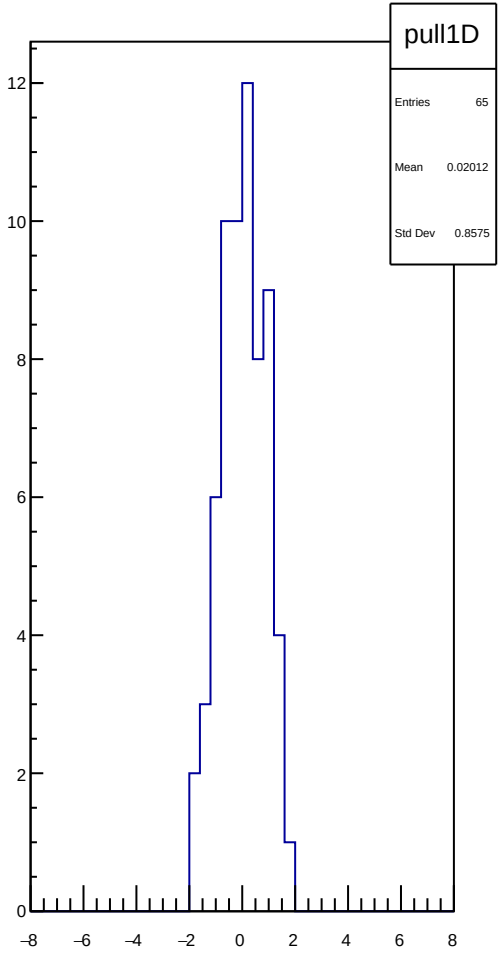

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 3.1e+04 / 64
p0 8628 ± 7.613
10000
9000
8000
7000
6000
5000

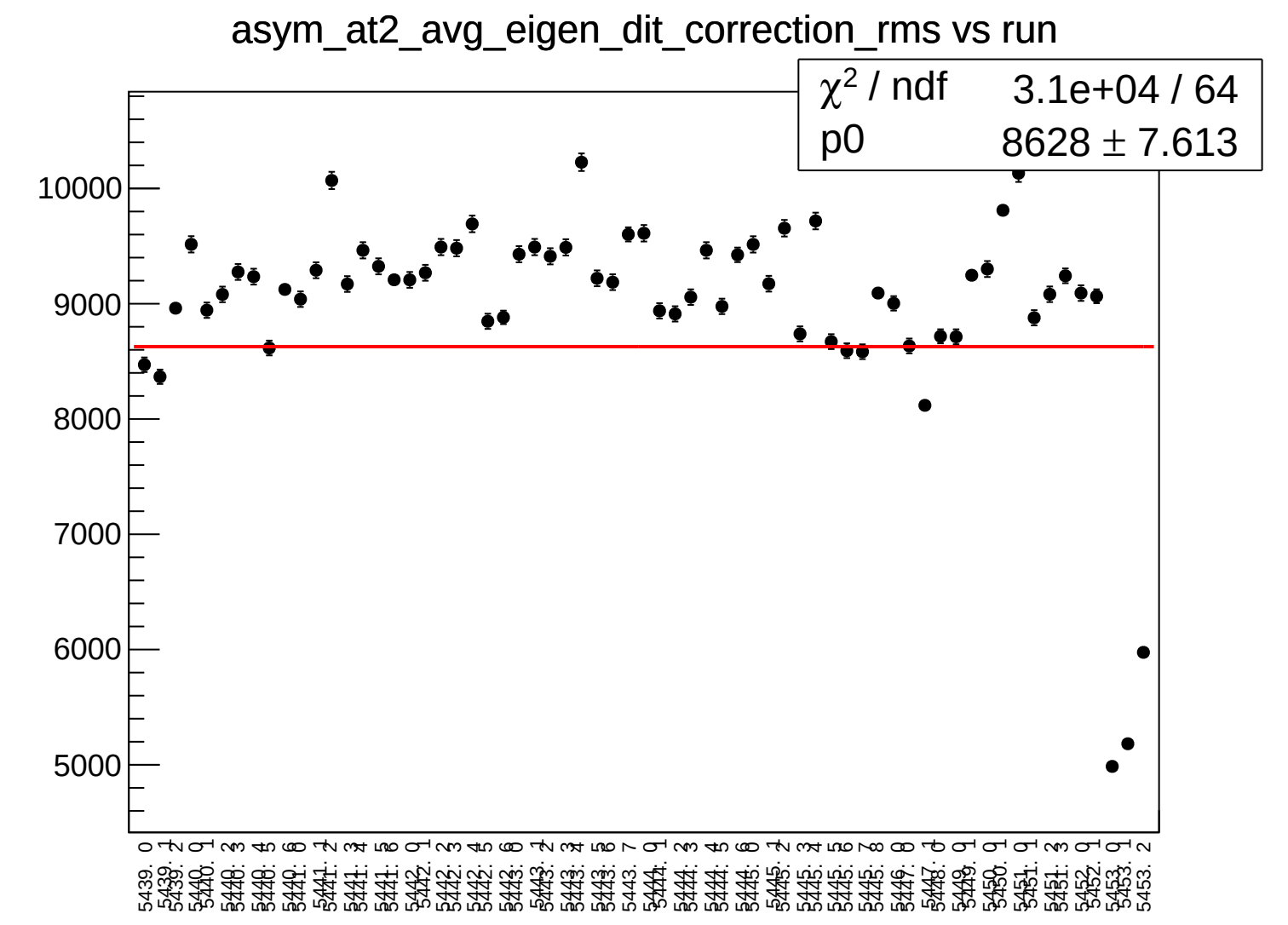

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 48.49 / 64
p0 −2285 ± 3484
pull
Entries 65
Mean 108.5
Std Dev 0

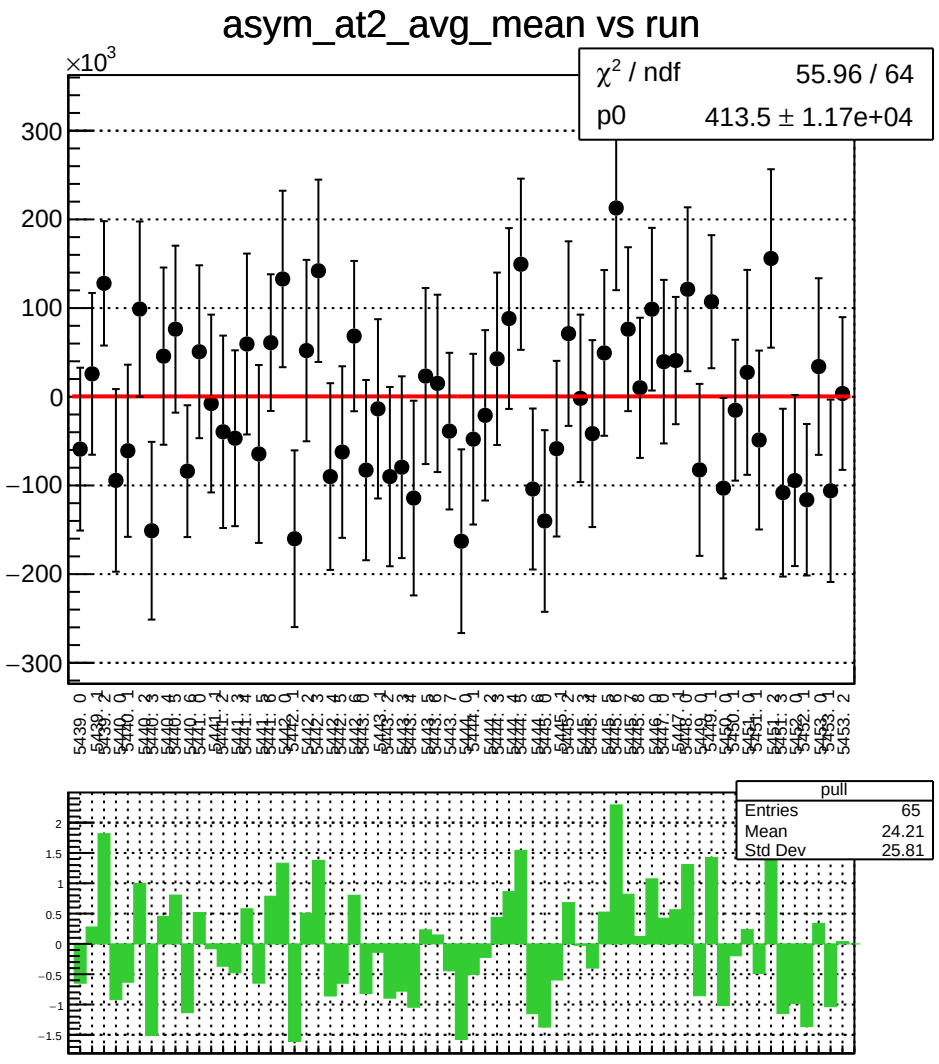

pull1D
Entries 65
Mean −0.02642
Std Dev 0.8633

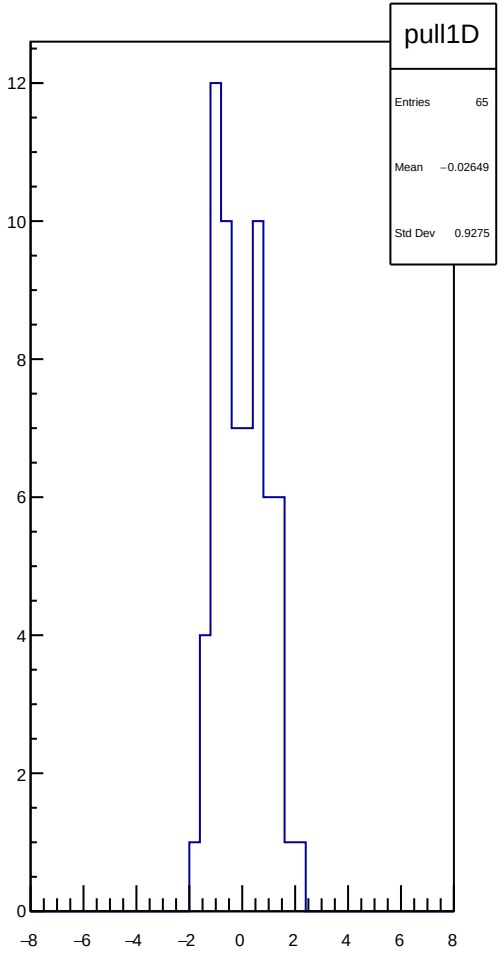

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 2.403e+04 / 64
p0 2799 ± 2.463
6000
5500
5000
4500
4000
3500
3000
2500

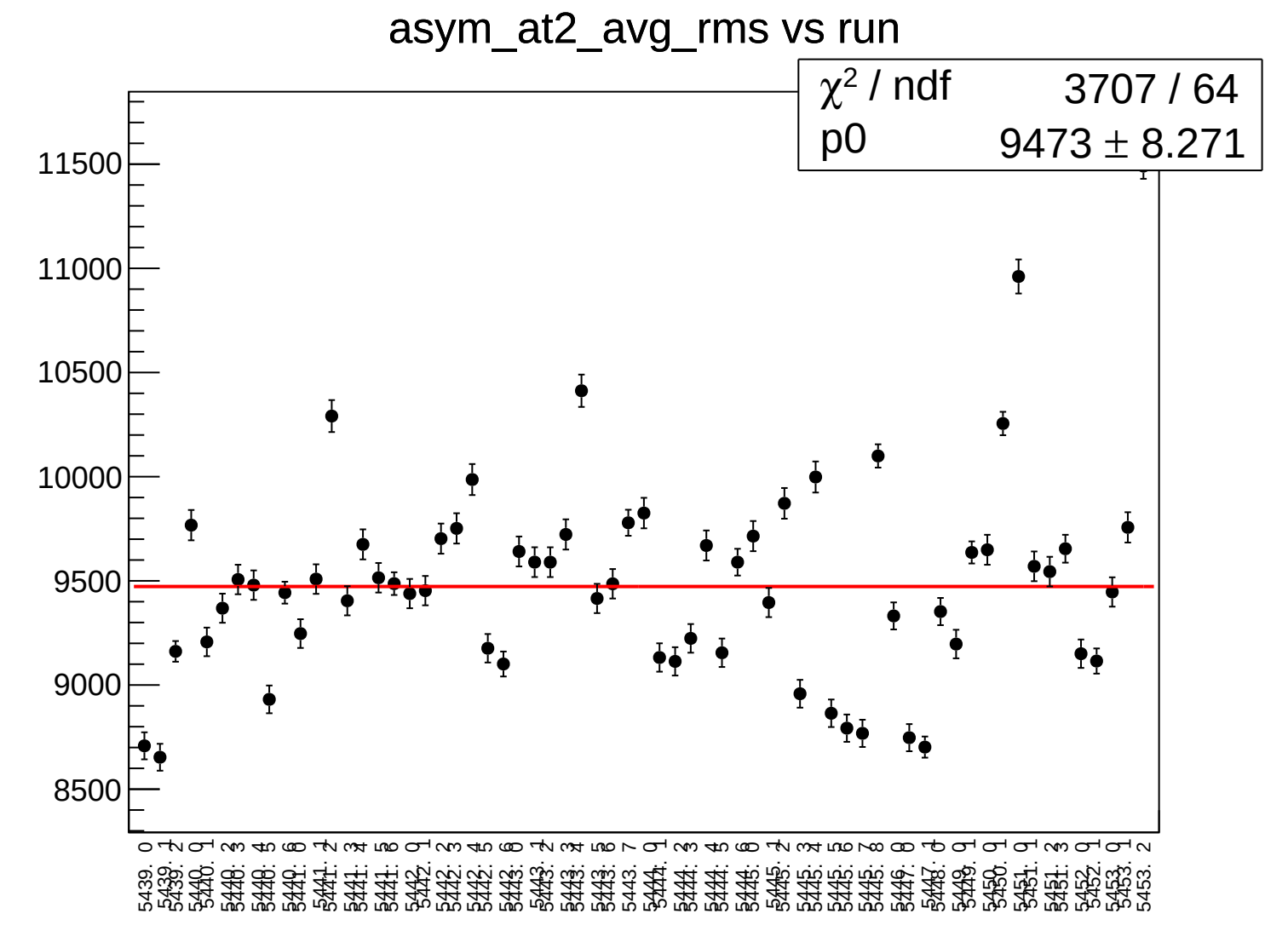

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.83 / 64
p0 −3227 ± 1.077e+04
pull
Entries 65
Mean −10.79
Std Dev 0

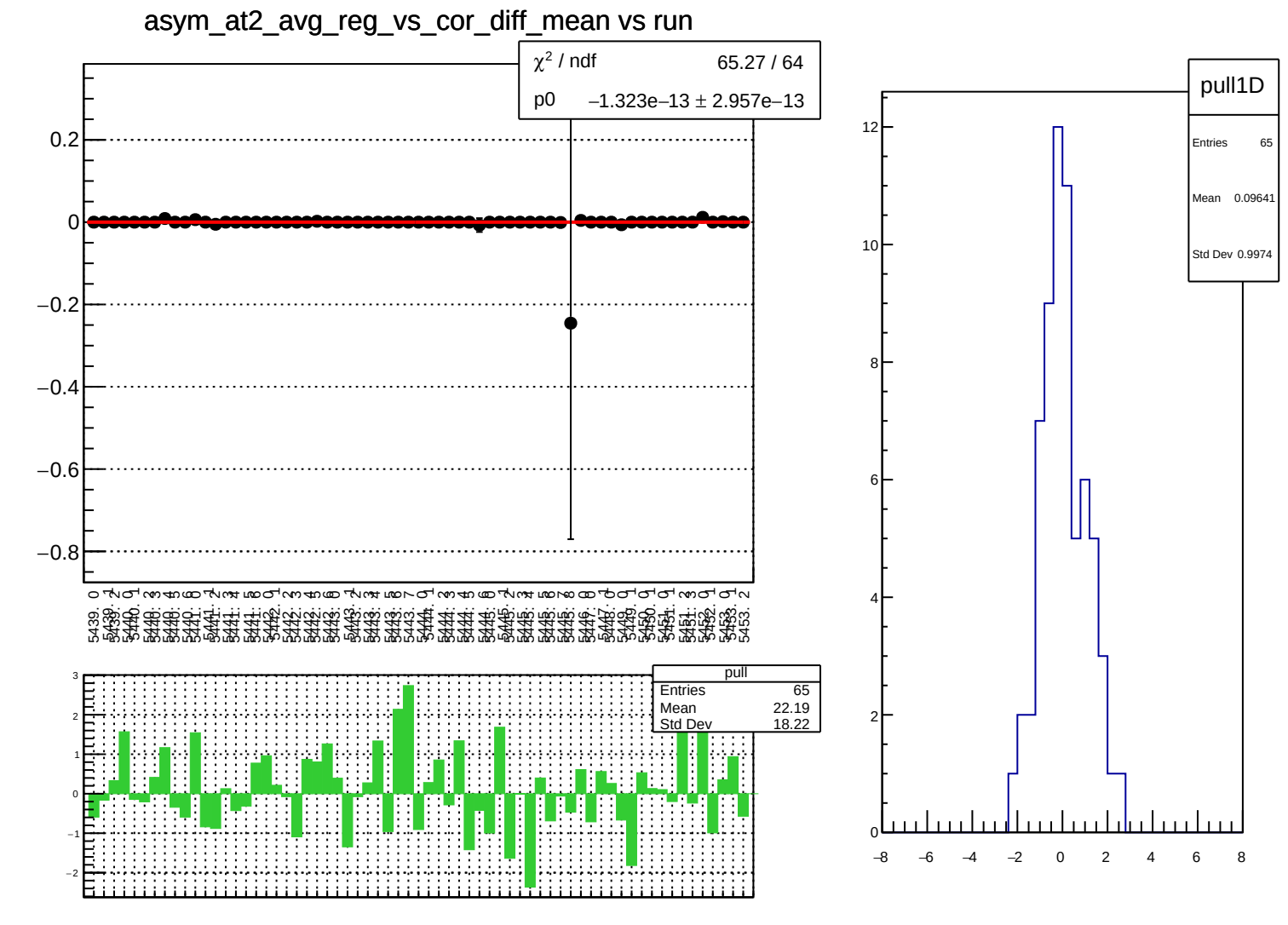

pull1D
Entries 65
Mean 0.02012
Std Dev 0.8575

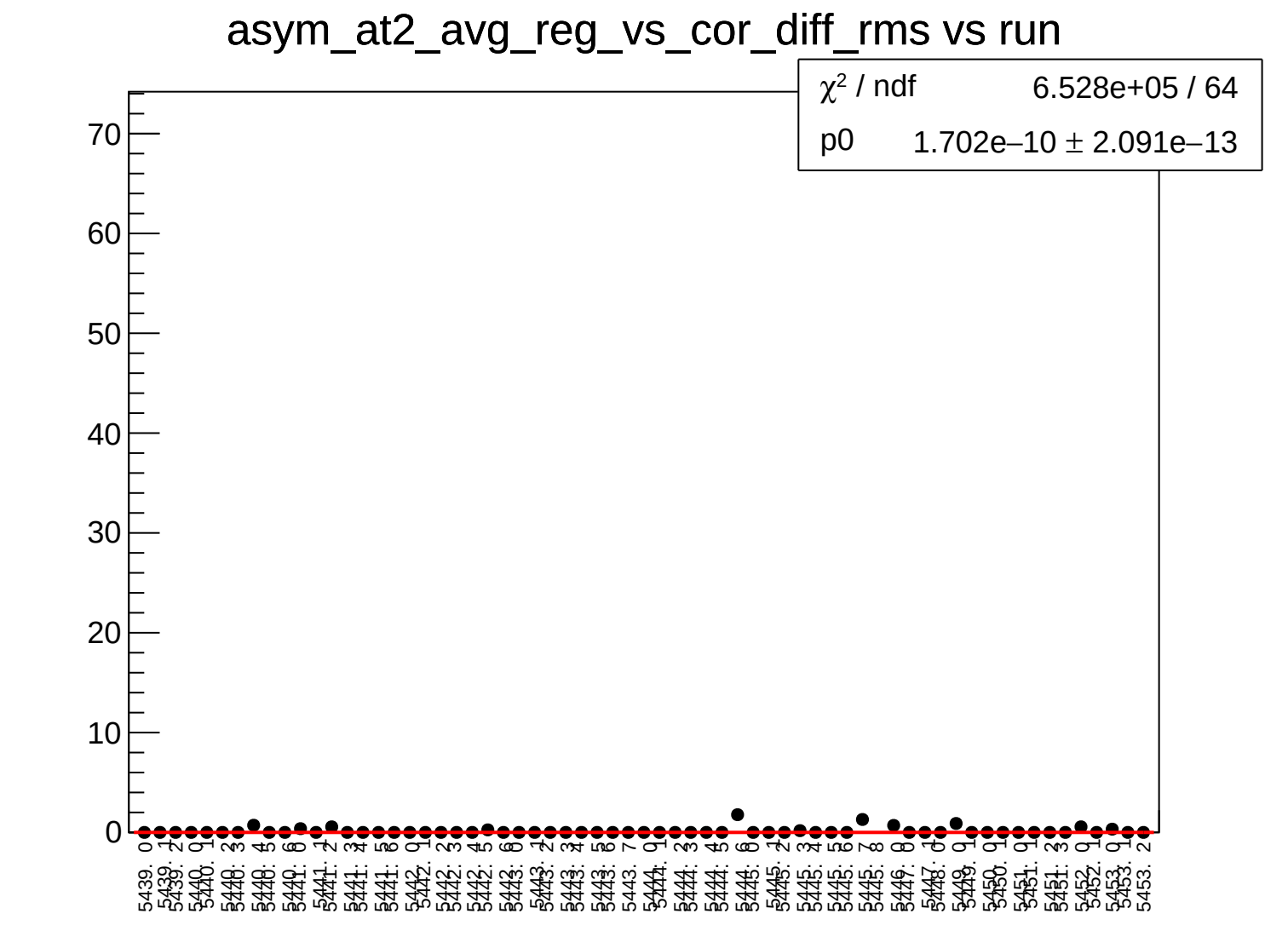

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.1e+04 / 64
p0 8628 ± 7.613
10000
9000
8000
7000
6000
5000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

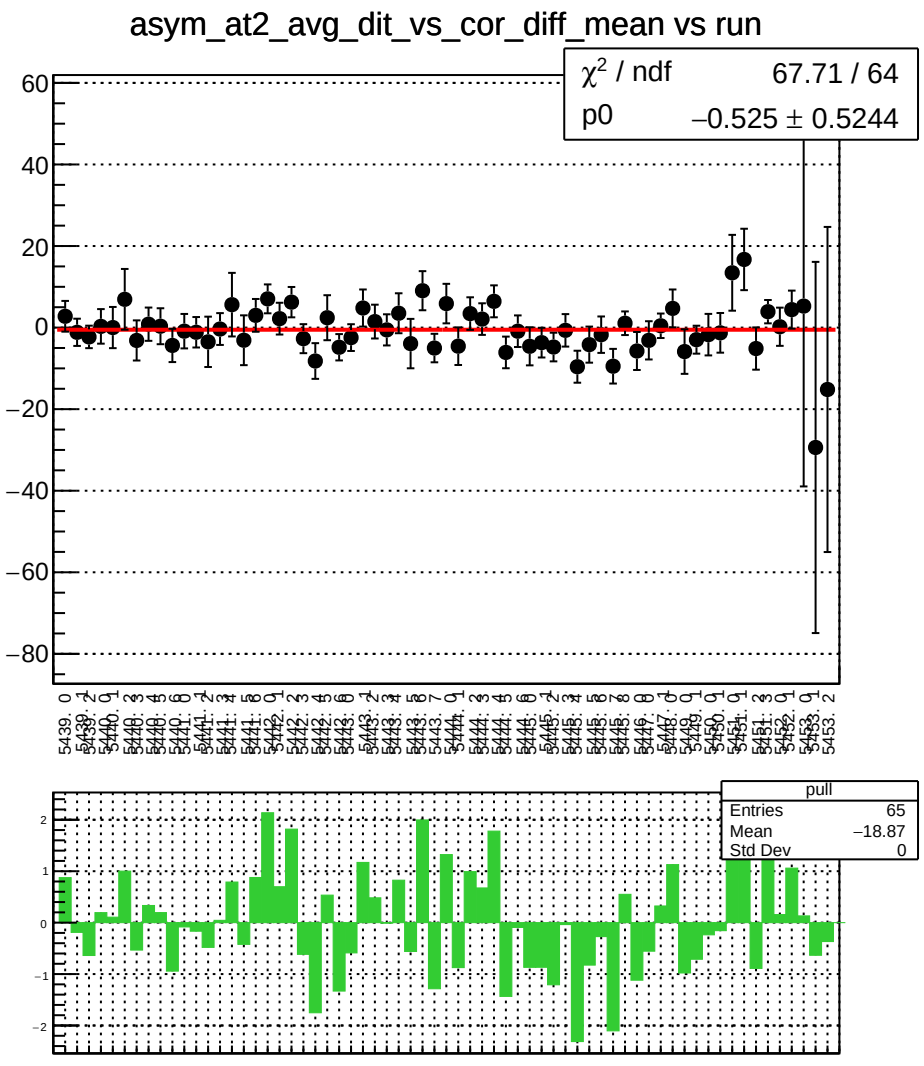

asym_at2_avg_mean vs run
×10^3
χ² / ndf 55.96 / 64
p0 413.5 ± 1.17e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean 24.21
Std Dev 25.81
2
1.5
1
0.5
0
−0.5
−1
−1.5

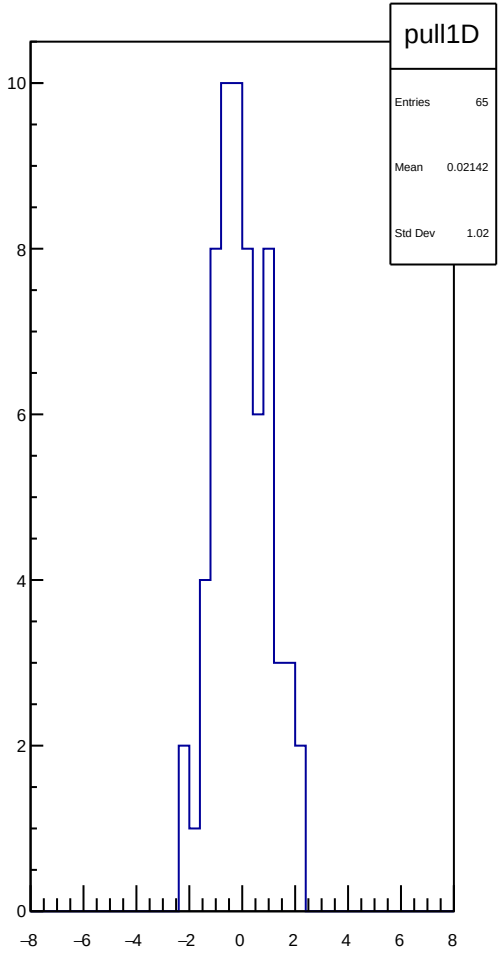

pull1D
Entries 65
Mean −0.02649
Std Dev 0.9275
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

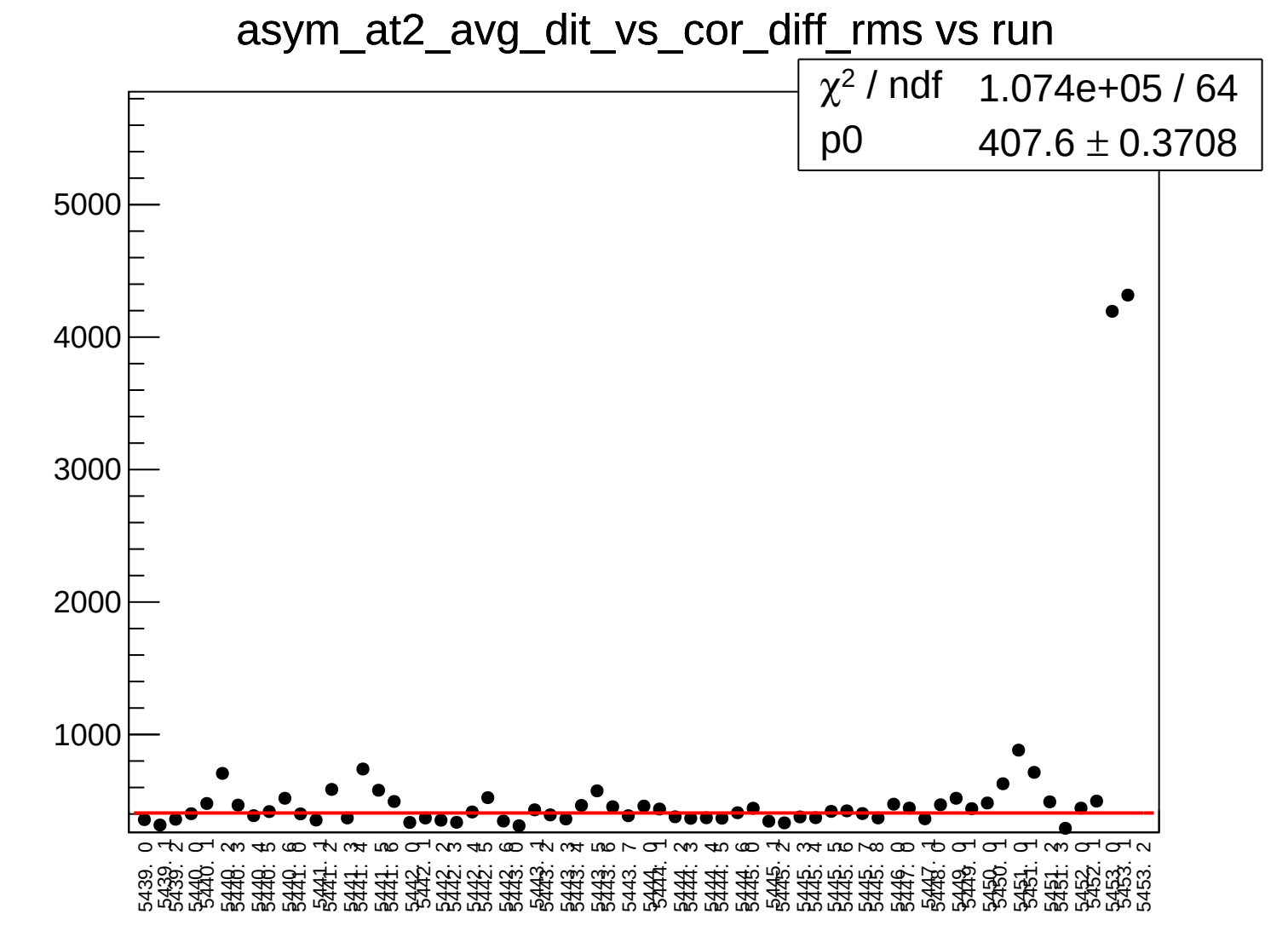

asym_at2_avg_rms vs run
χ² / ndf 3707 / 64
p0 9473 ± 8.271
11500
11000
10500
10000
9500
9000
8500

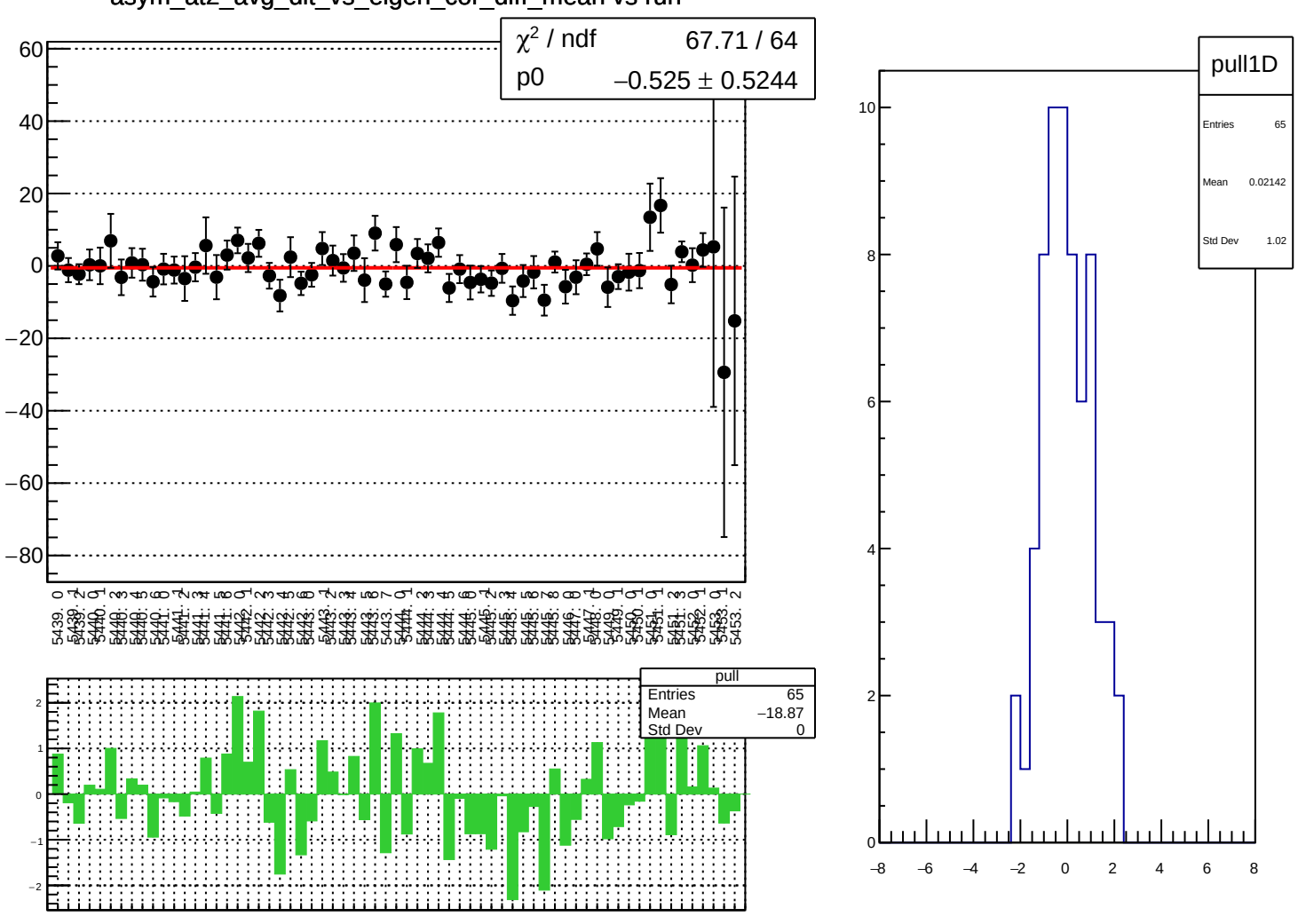

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.27 / 64
p0 −1.323e−13 ± 2.957e−13
pull
Entries 65
Mean 22.19
Std Dev 18.22
pull1D
Entries 65
Mean 0.09641
Std Dev 0.9974

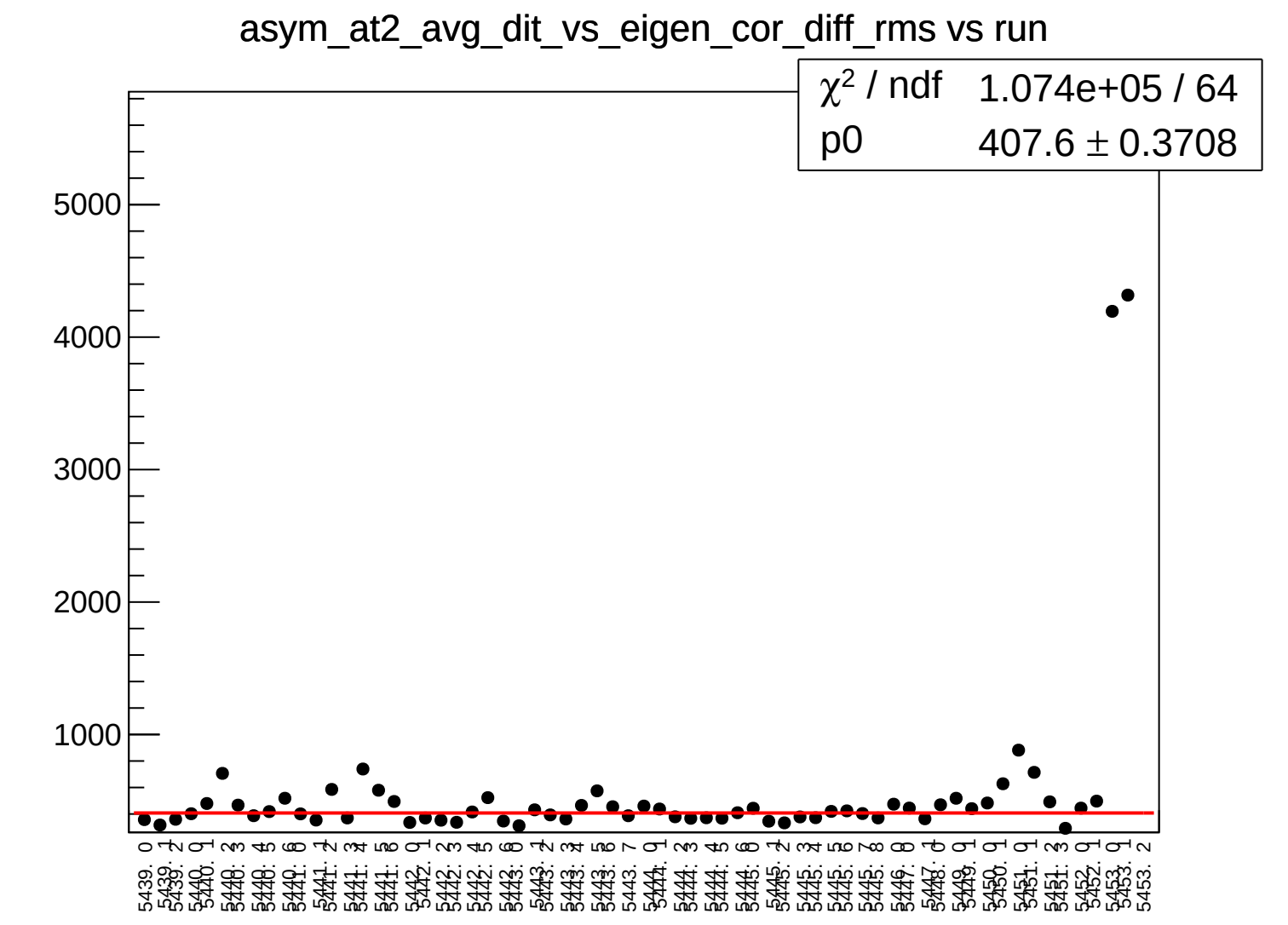

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.528e+05 / 64
p0 1.702e−10 ± 2.091e−13
70
60
50
40
30
20
10
0

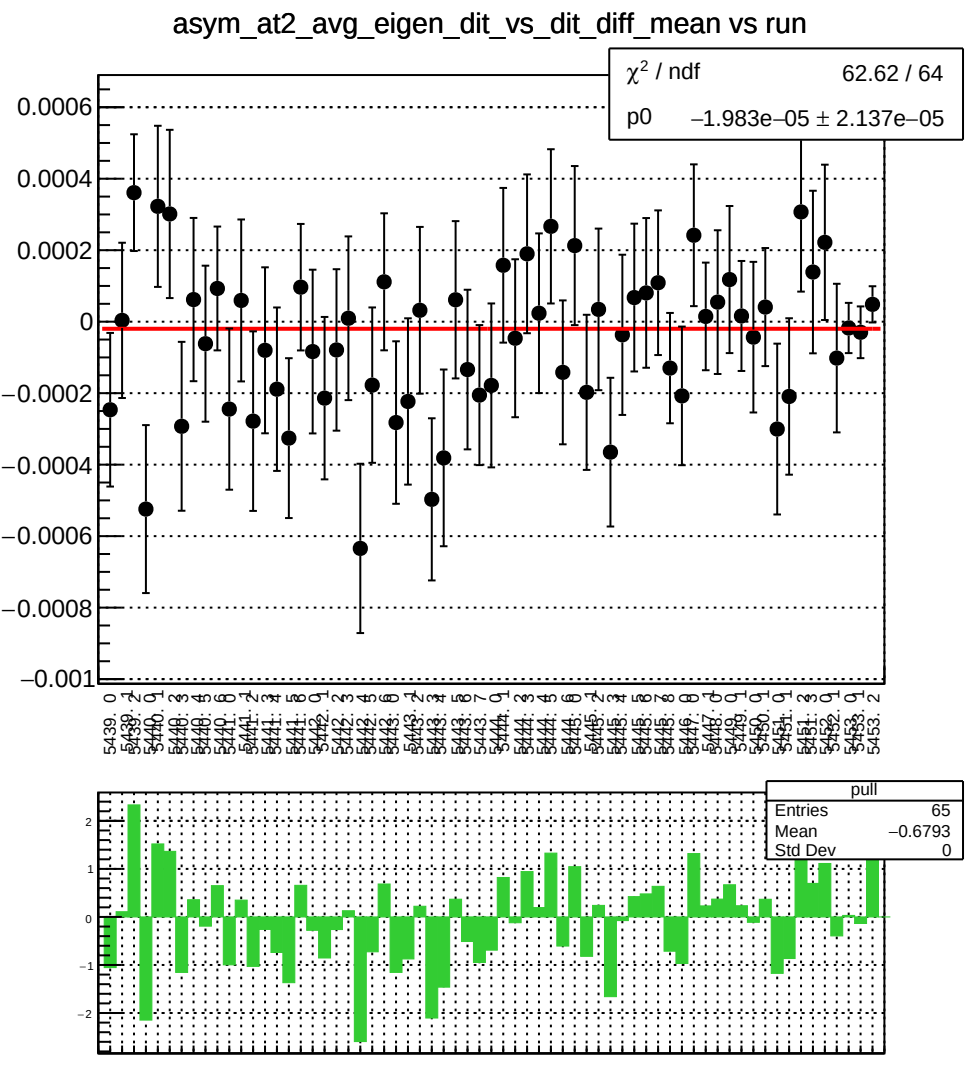

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.71 / 64
p0 −0.525 ± 0.5244
pull
Entries 65
Mean −18.87
Std Dev 0

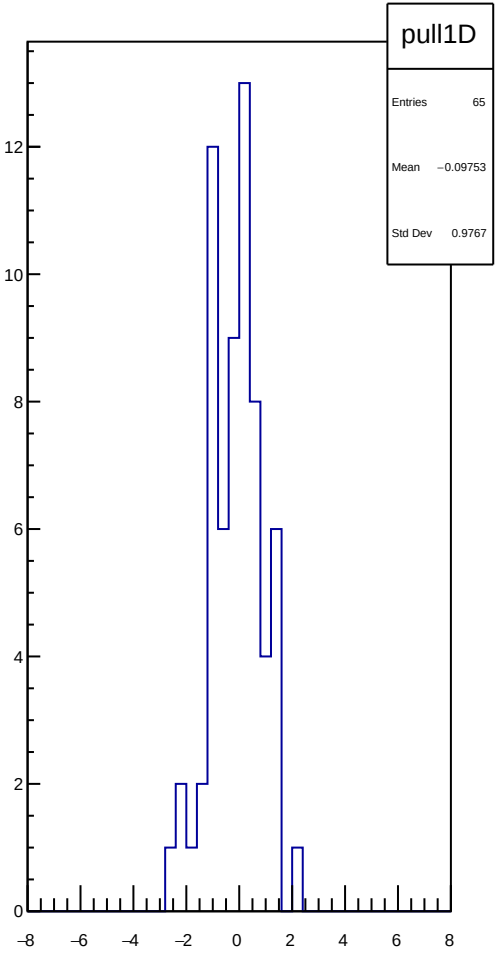

pull1D
Entries 65
Mean 0.02142
Std Dev 1.02

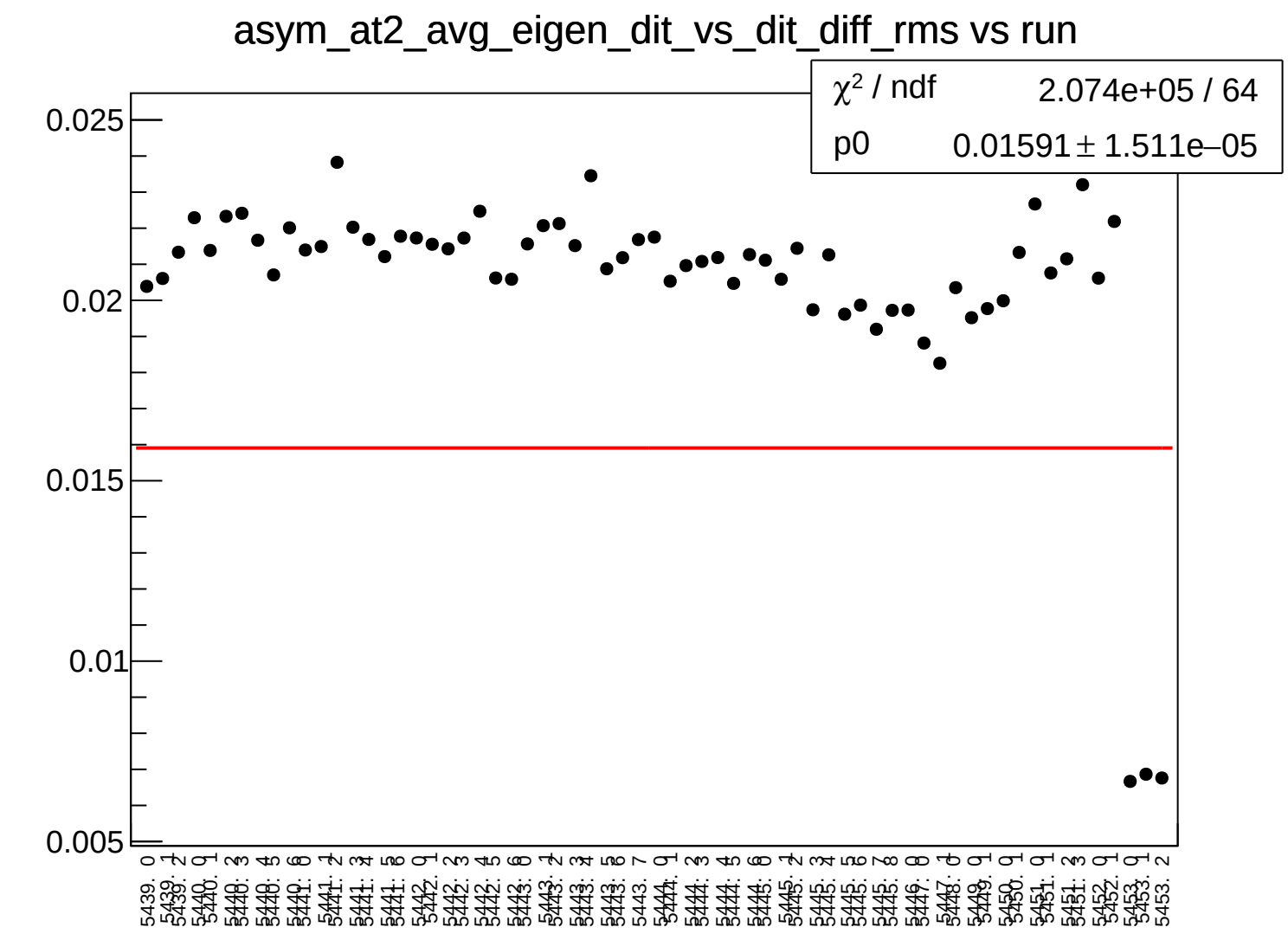

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.074e+05 / 64
p0 407.6 ± 0.3708
5000
4000
3000
2000
1000

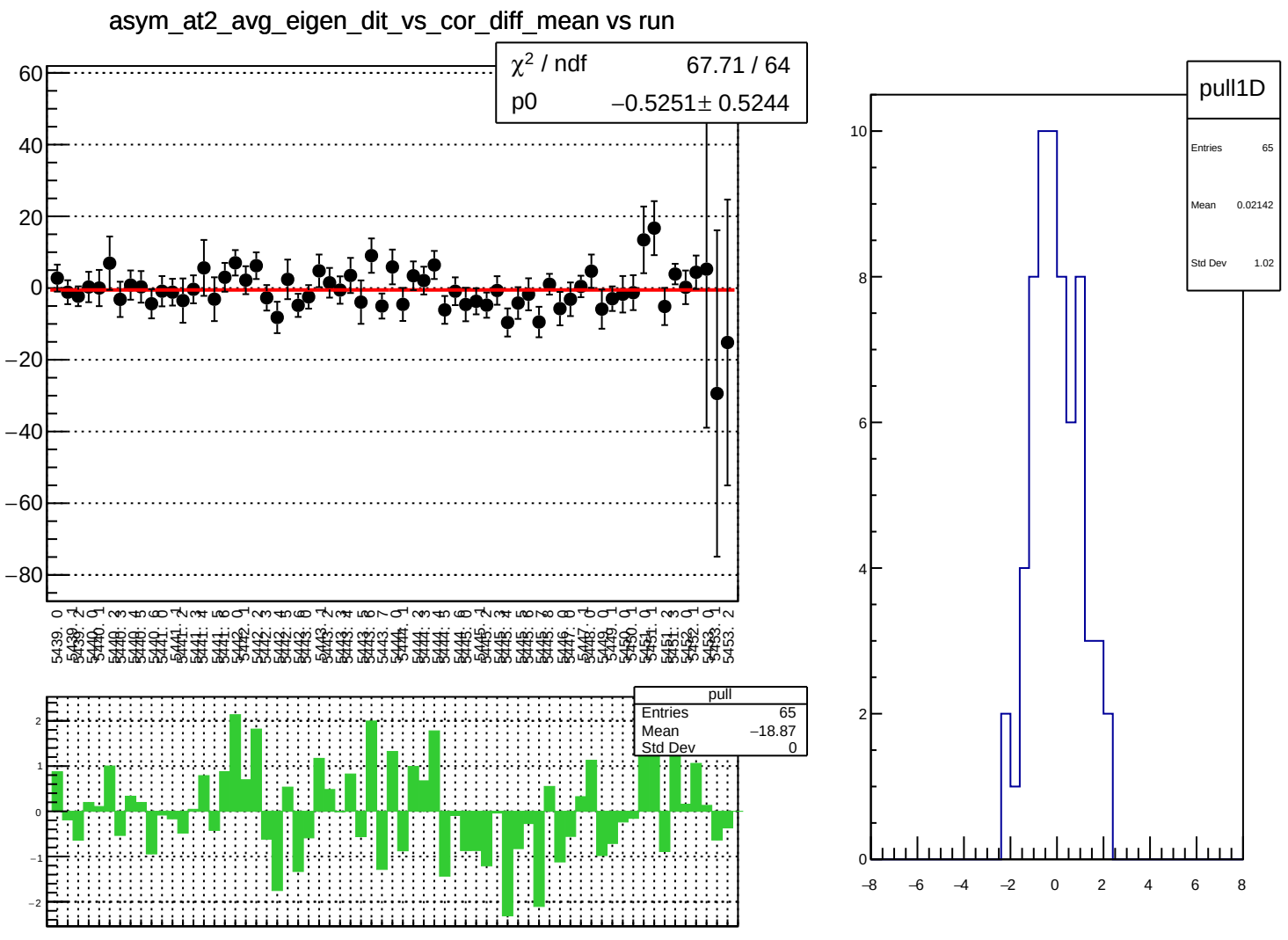

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.71 / 64
p0 −0.525 ± 0.5244
pull
Entries 65
Mean −18.87
Std Dev 0
pull1D
Entries 65
Mean 0.02142
Std Dev 1.02

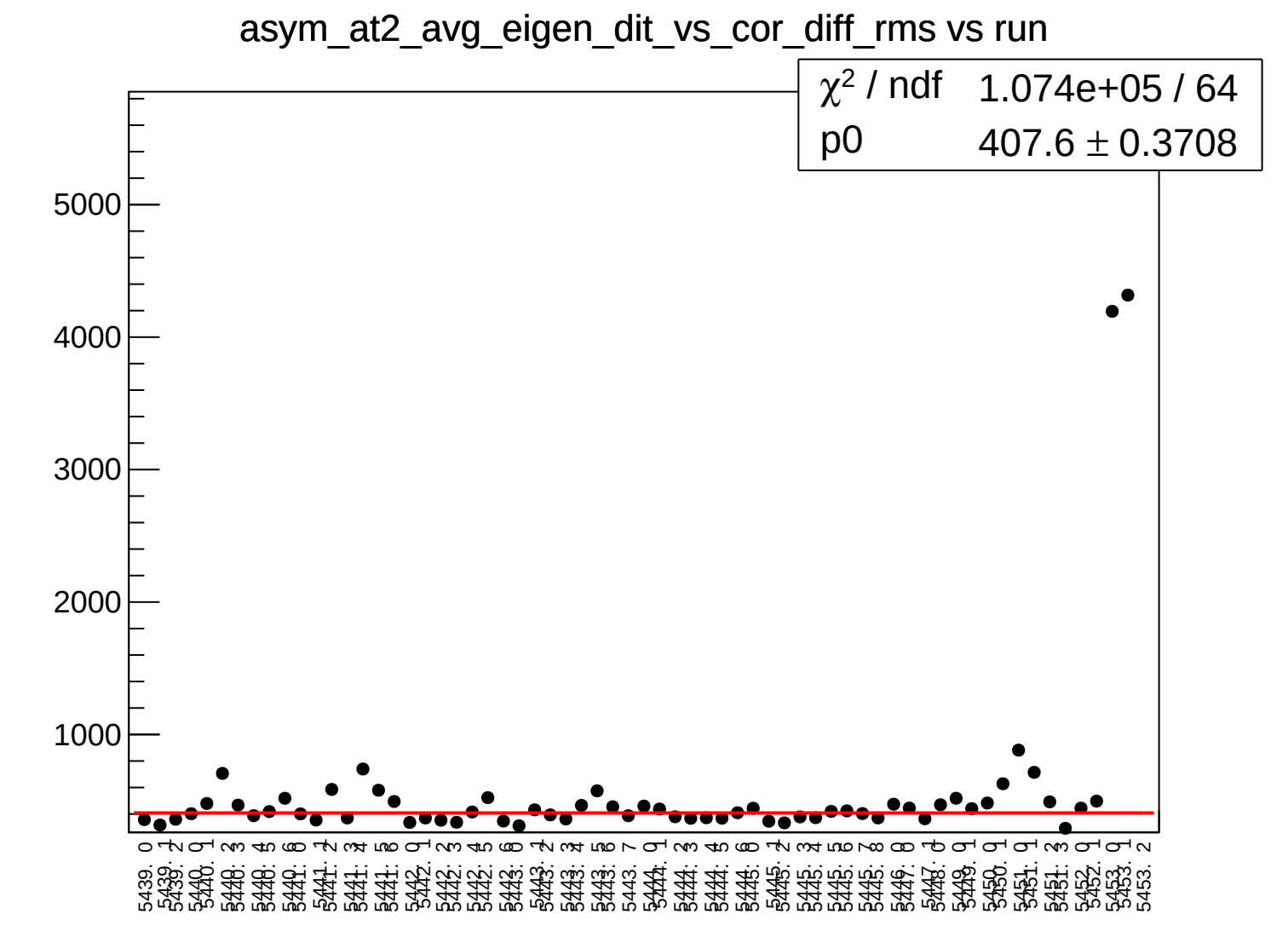

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.074e+05 / 64
p0 407.6 ± 0.3708
5000
4000
3000
2000
1000

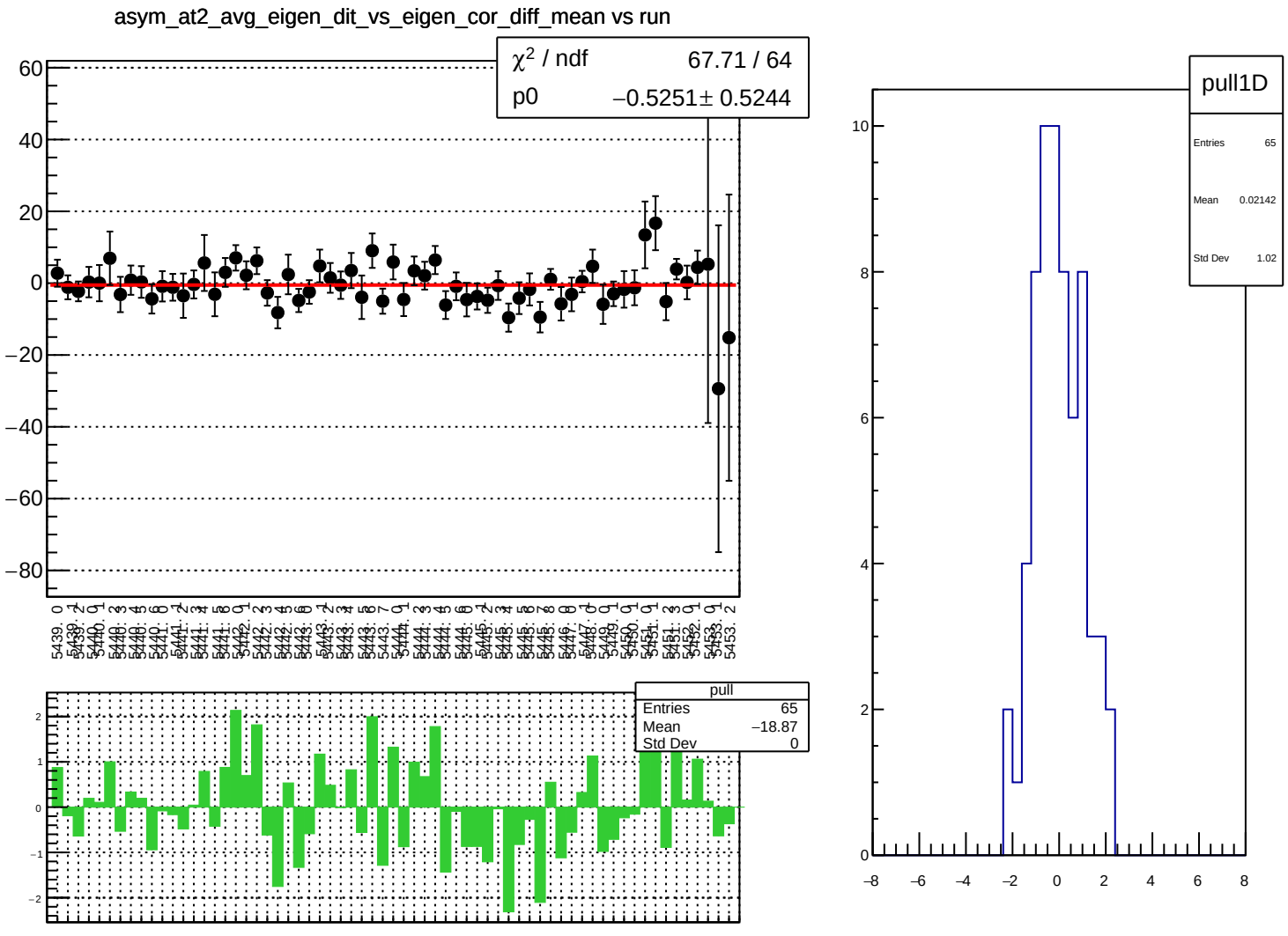

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 62.62 / 64
p0 −1.983e−05 ± 2.137e−05
pull
Entries 65
Mean −0.6793
Std Dev 0

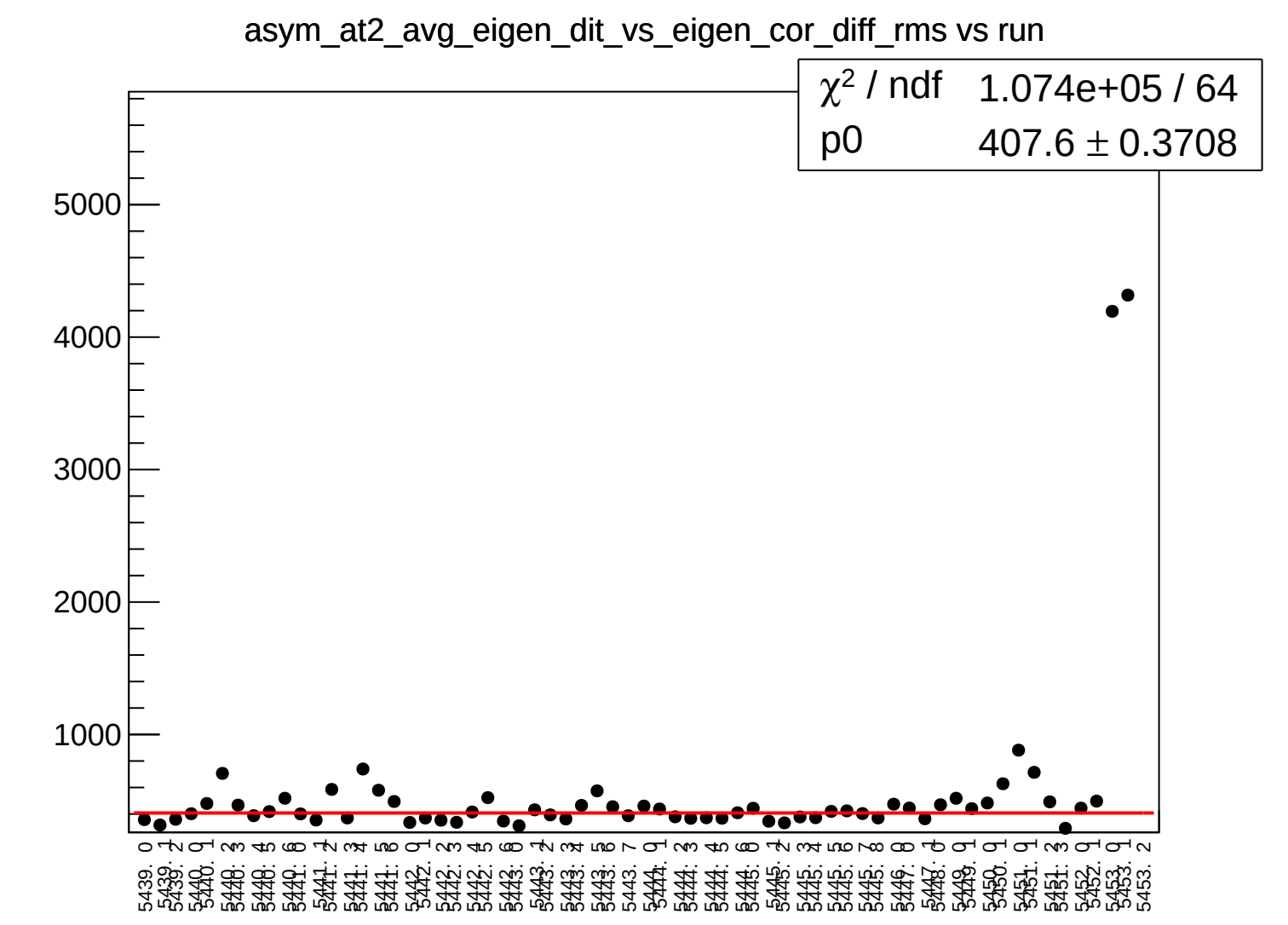

pull1D
Entries 65
Mean −0.09753
Std Dev 0.9767

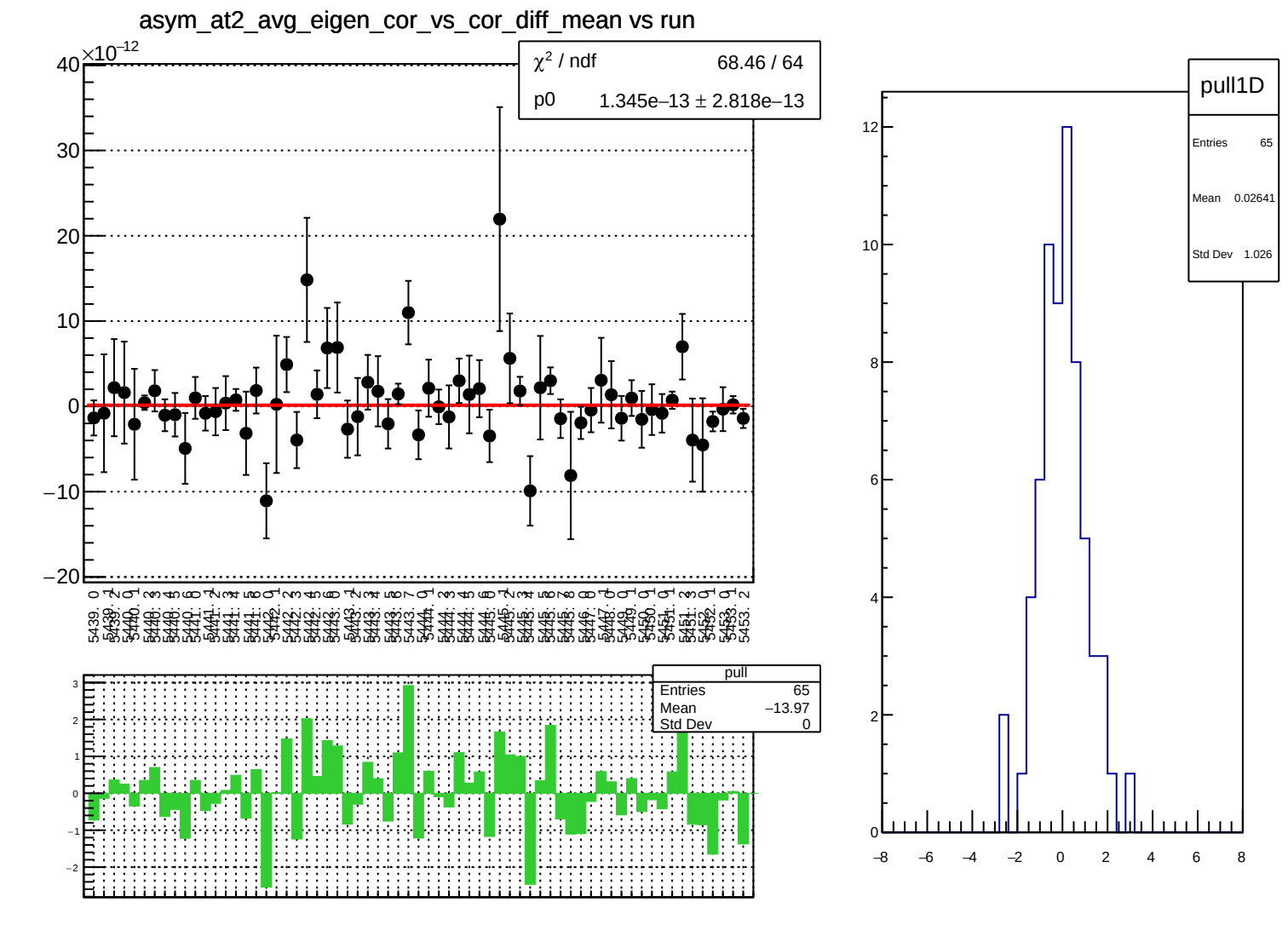

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.074e+05 / 64
p0 0.01591 ± 1.511e–05
0.025
0.02
0.015
0.01
0.005

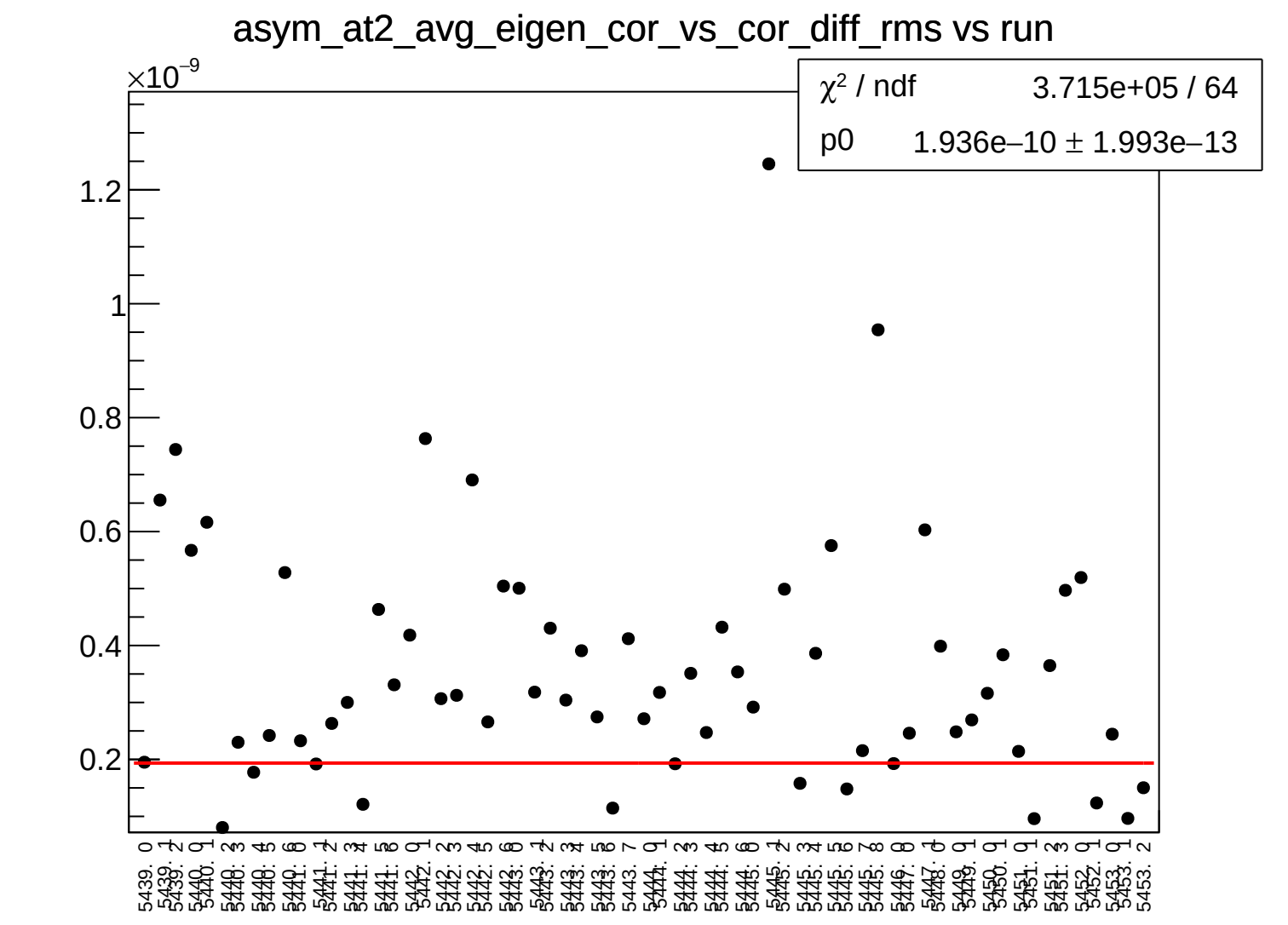

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.71 / 64
p0 −0.5251± 0.5244
pull
Entries 65
Mean −18.87
Std Dev 0
pull1D
Entries 65
Mean 0.02142
Std Dev 1.02

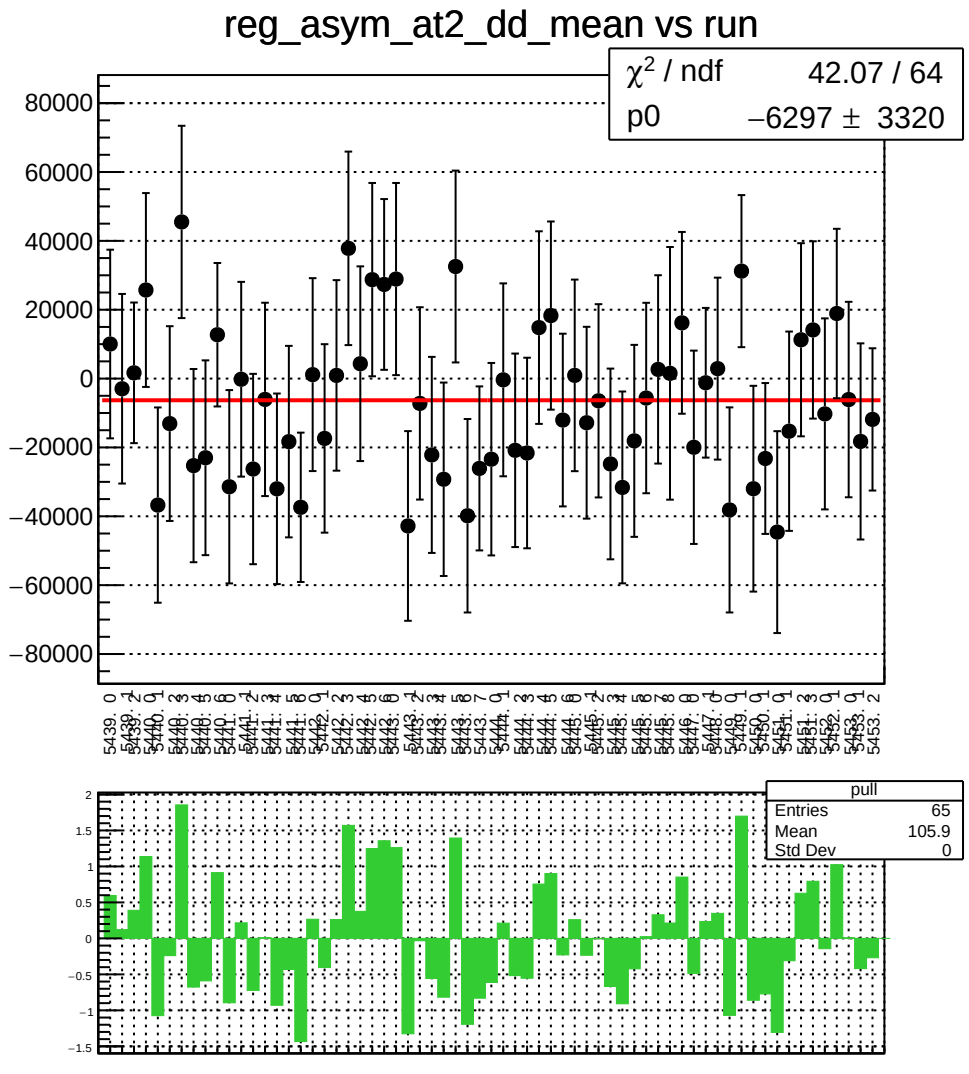

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.074e+05 / 64
p0 407.6 ± 0.3708
5000
4000
3000
2000
1000

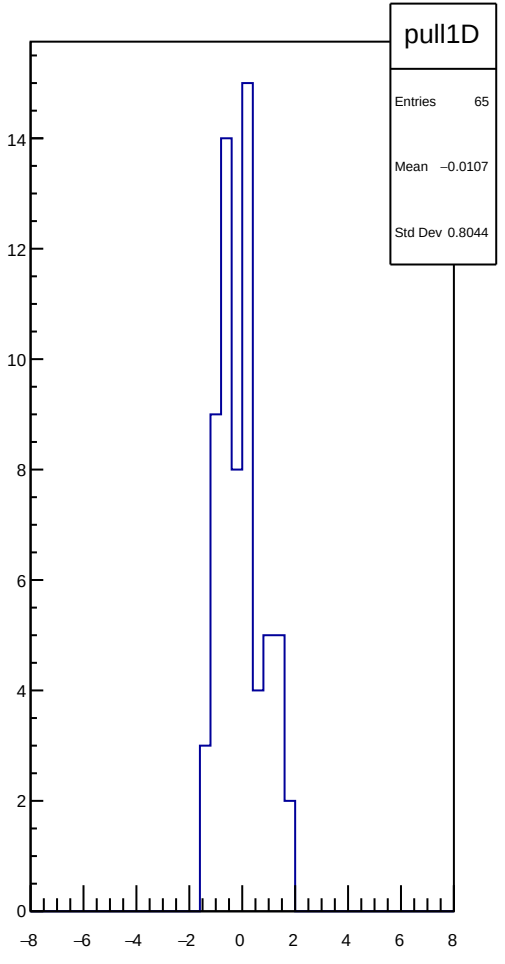

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.71 / 64
p0 −0.5251± 0.5244
pull
Entries 65
Mean −18.87
Std Dev 0
pull1D
Entries 65
Mean 0.02142
Std Dev 1.02

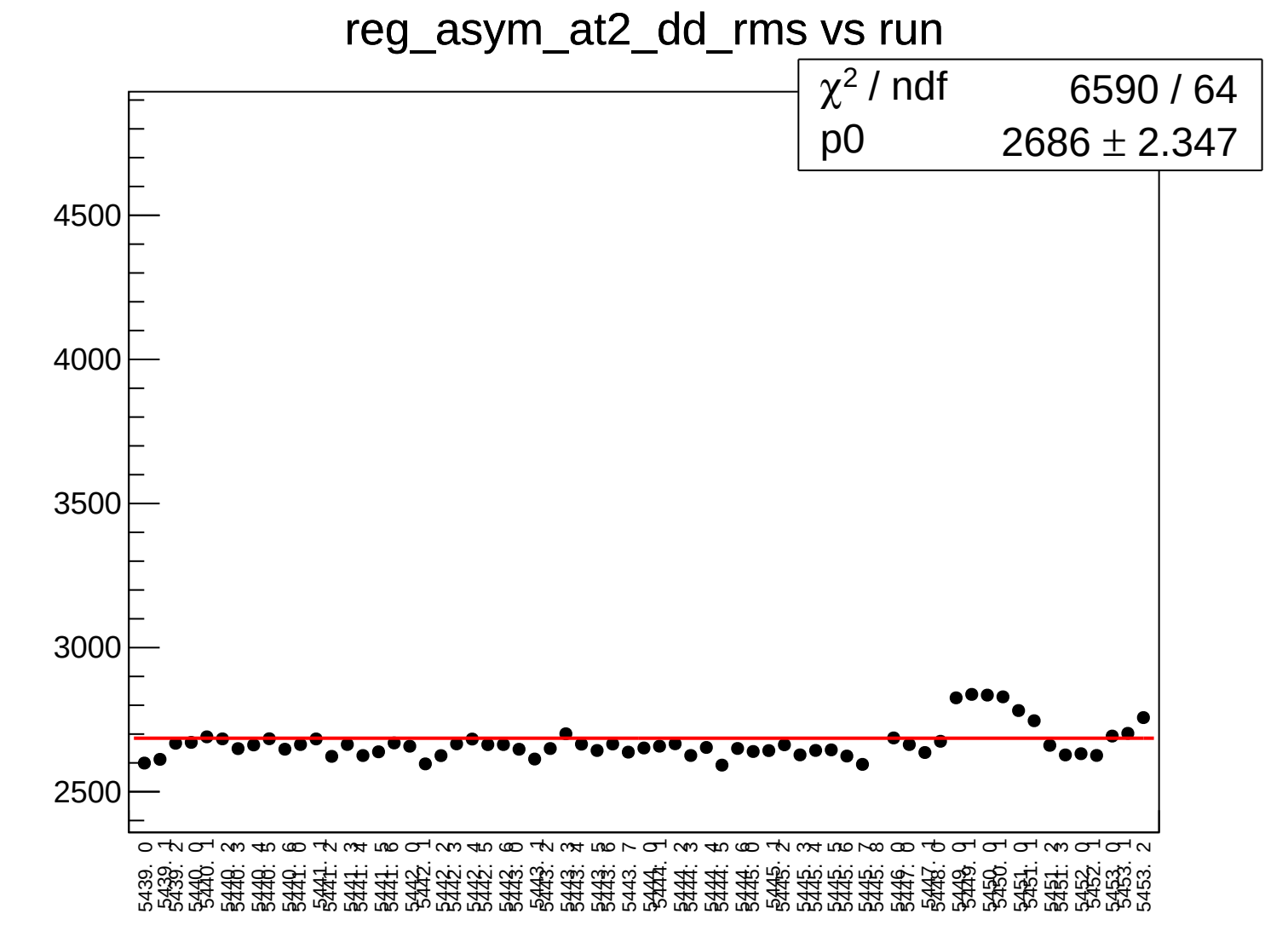

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.074e+05 / 64
p0 407.6 ± 0.3708
5000
4000
3000
2000
1000

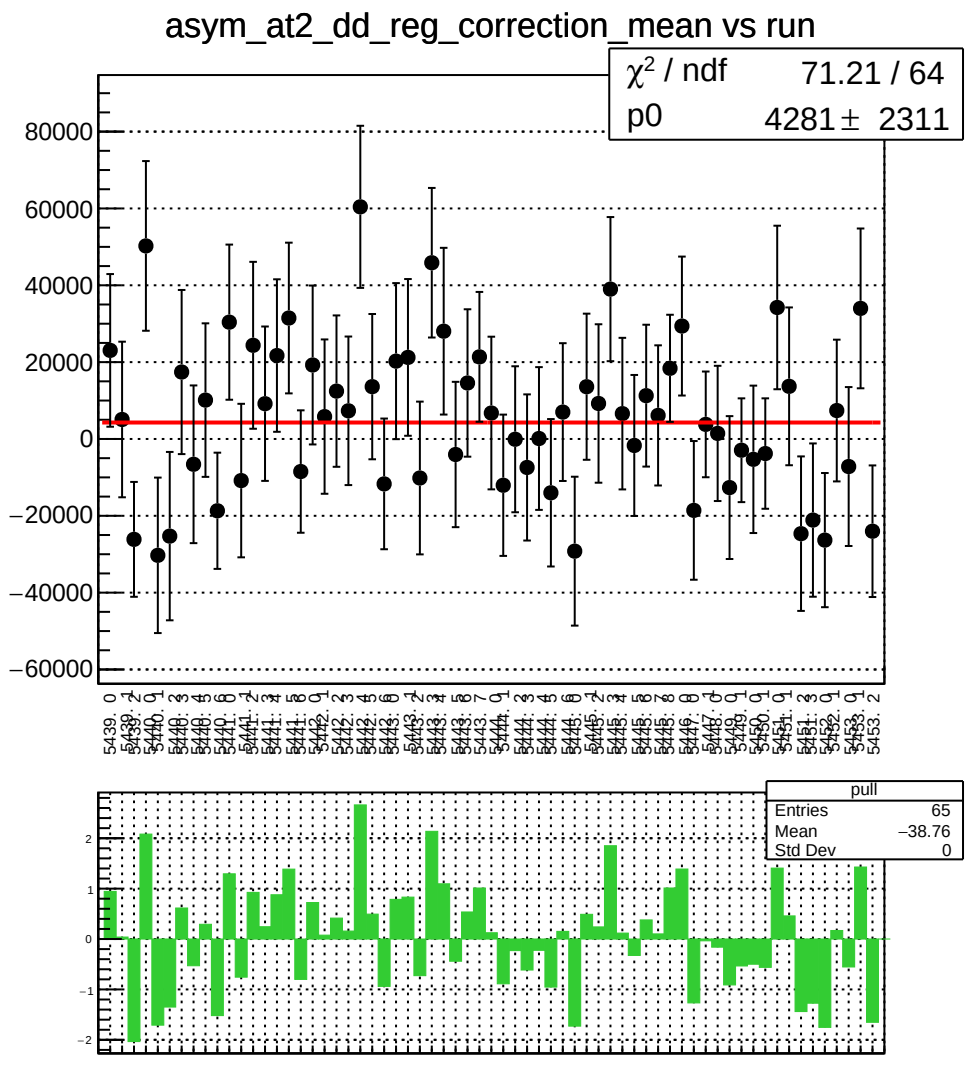

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.46 / 64
p0 1.345e−13 ± 2.818e−13
pull
Entries 65
Mean −13.97
Std Dev 0
pull1D
Entries 65
Mean 0.02641
Std Dev 1.026

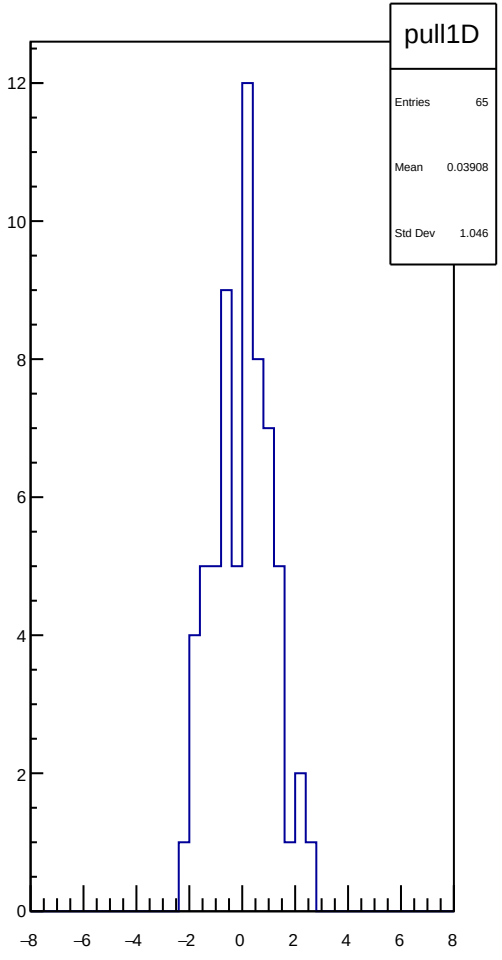

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.715e+05 / 64
p0 1.936e−10 ± 1.993e−13
1.2
1
0.8
0.6
0.4
0.2

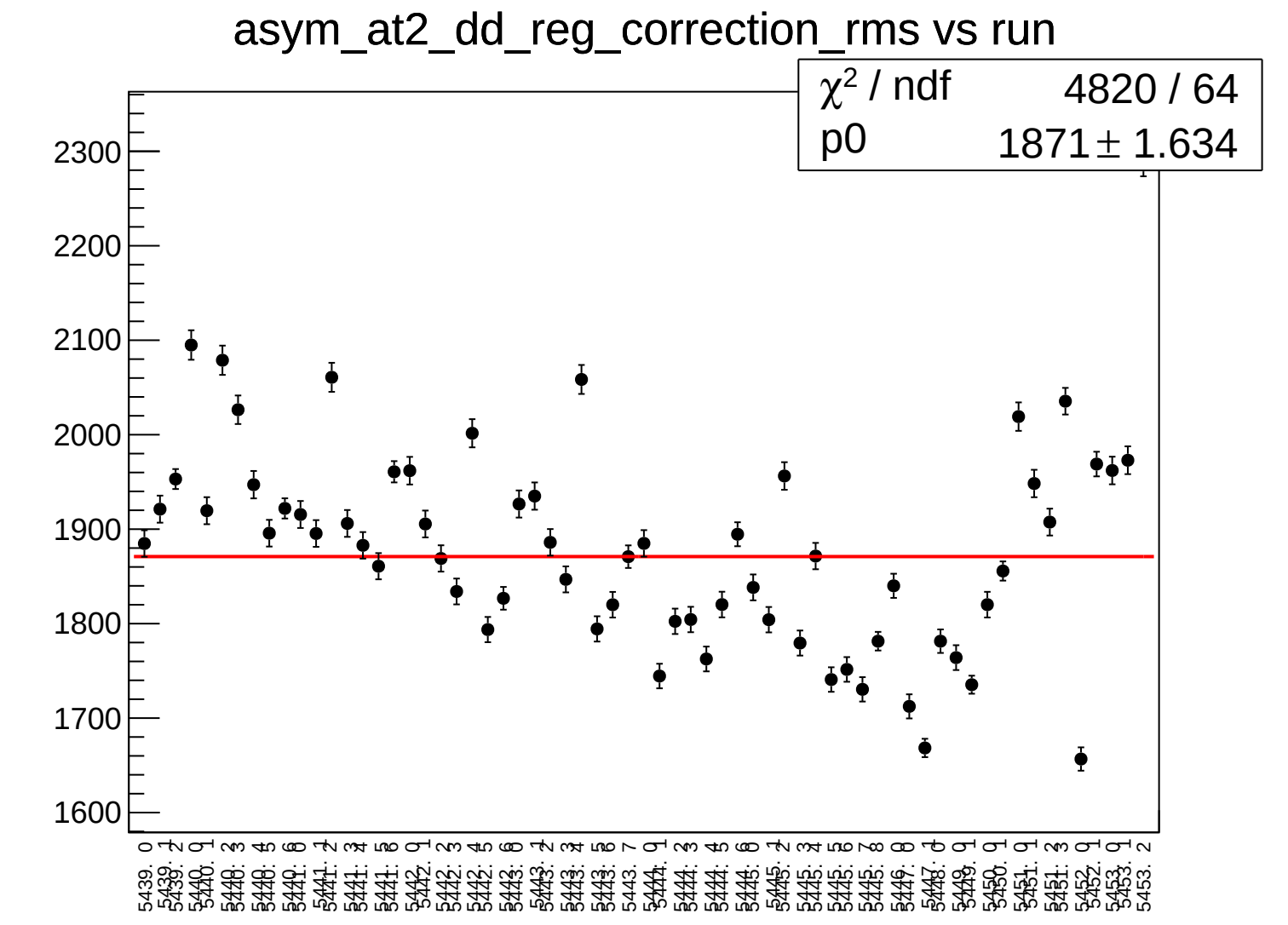

reg_asym_at2_dd_mean vs run
χ² / ndf 42.07 / 64
p0 −6297 ± 3320
pull
Entries 65
Mean 105.9
Std Dev 0

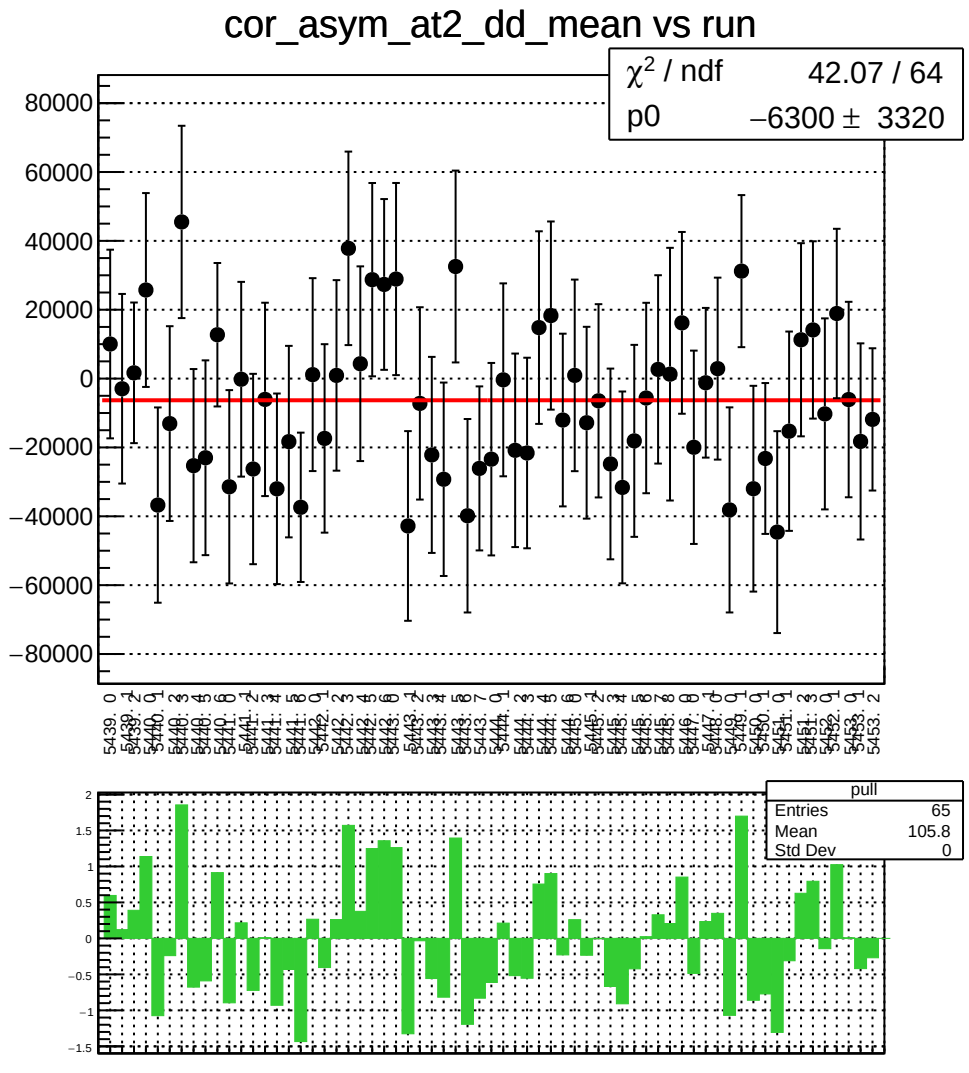

pull1D
Entries 65
Mean −0.0107
Std Dev 0.8044

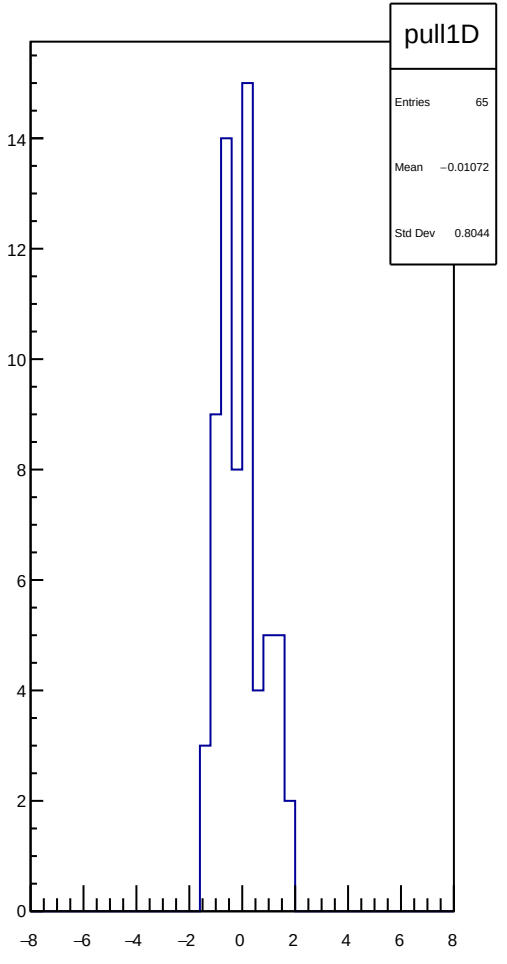

reg_asym_at2_dd_rms vs run
χ² / ndf 6590 / 64
p0 2686 ± 2.347
4500
4000
3500
3000
2500

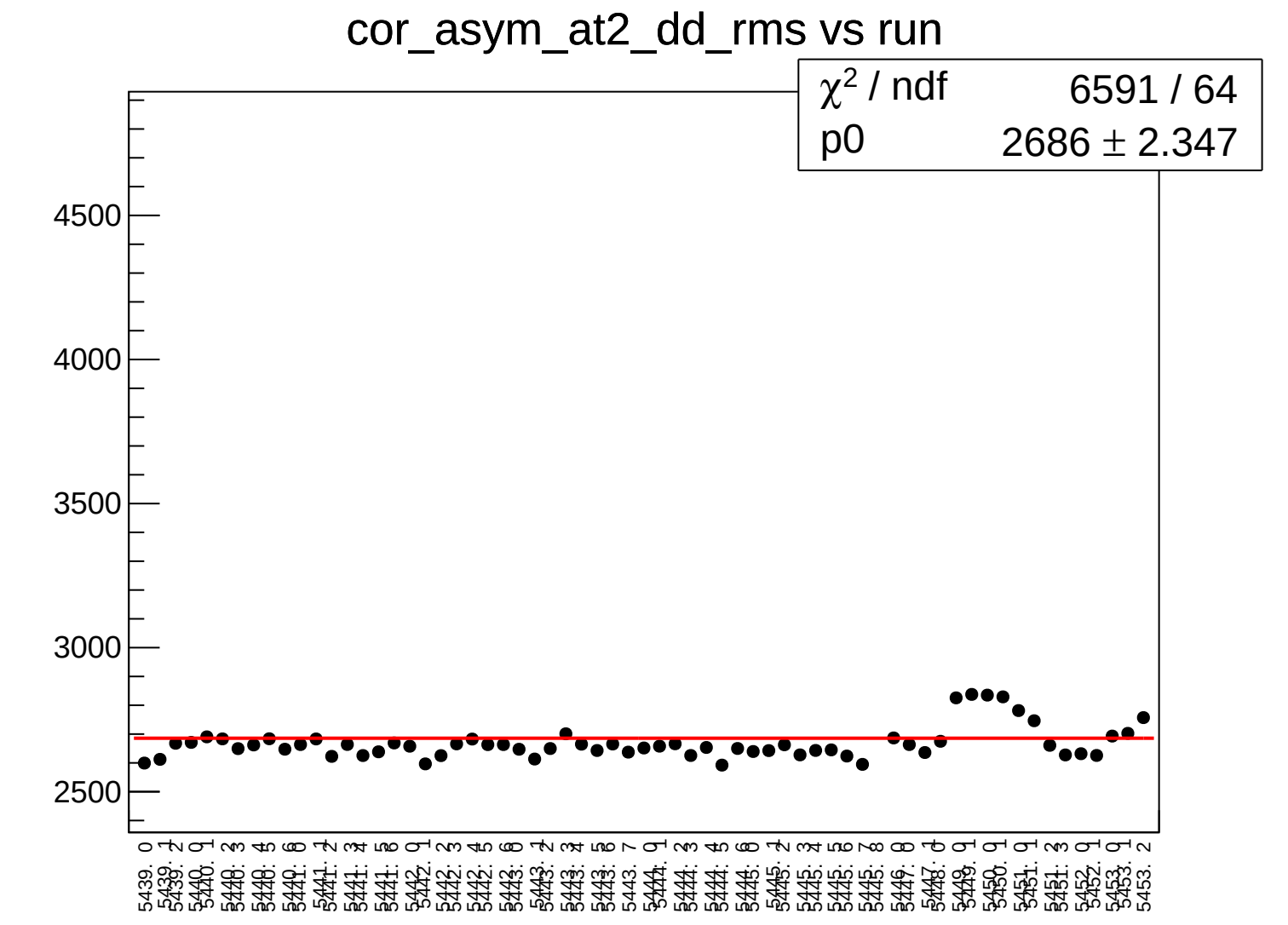

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 71.21 / 64
p0 4281 ± 2311
pull
Entries 65
Mean −38.76
Std Dev 0

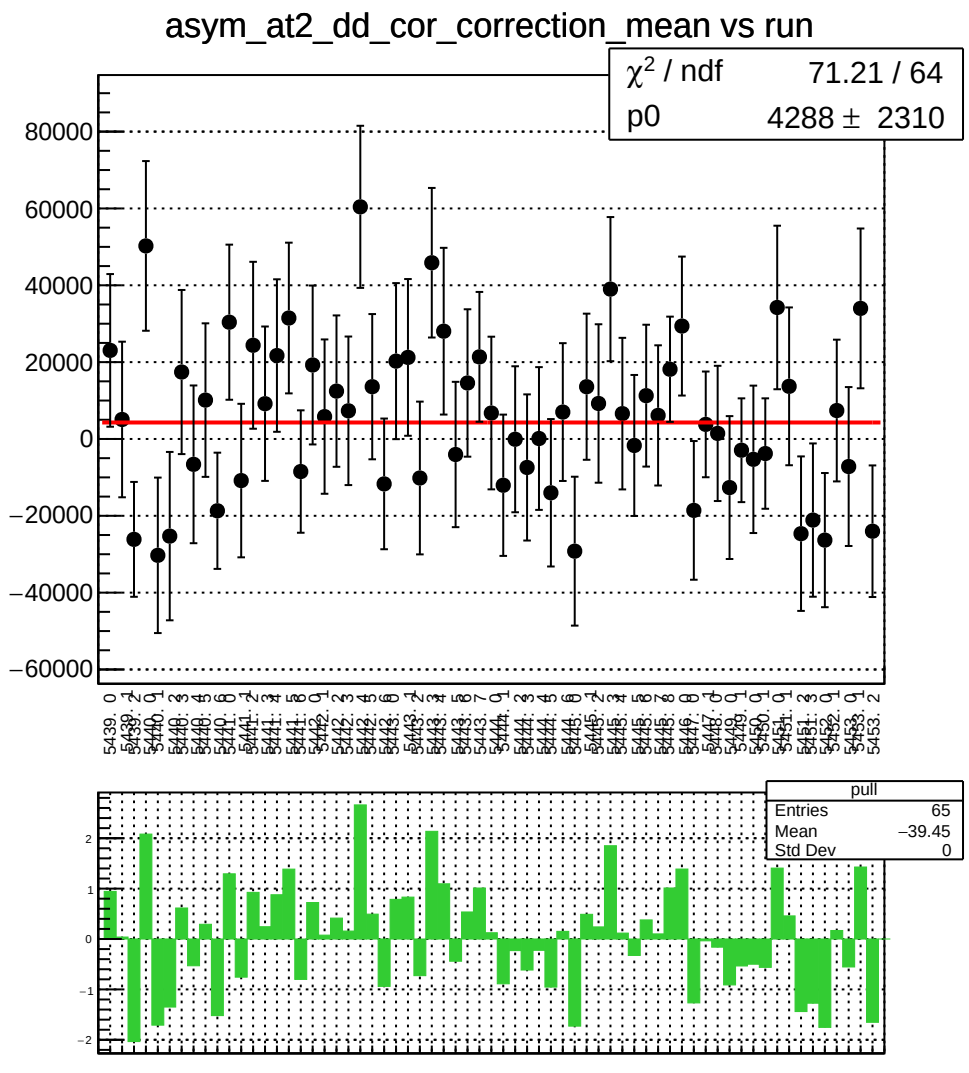

pull1D
Entries 65
Mean 0.03908
Std Dev 1.046

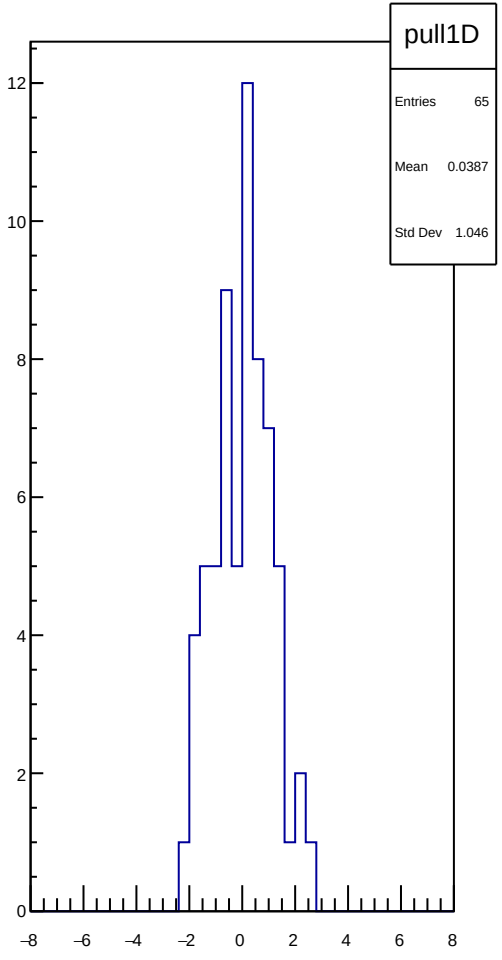

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 4820 / 64
p0 1871 ± 1.634
2300
2200
2100
2000
1900
1800
1700
1600

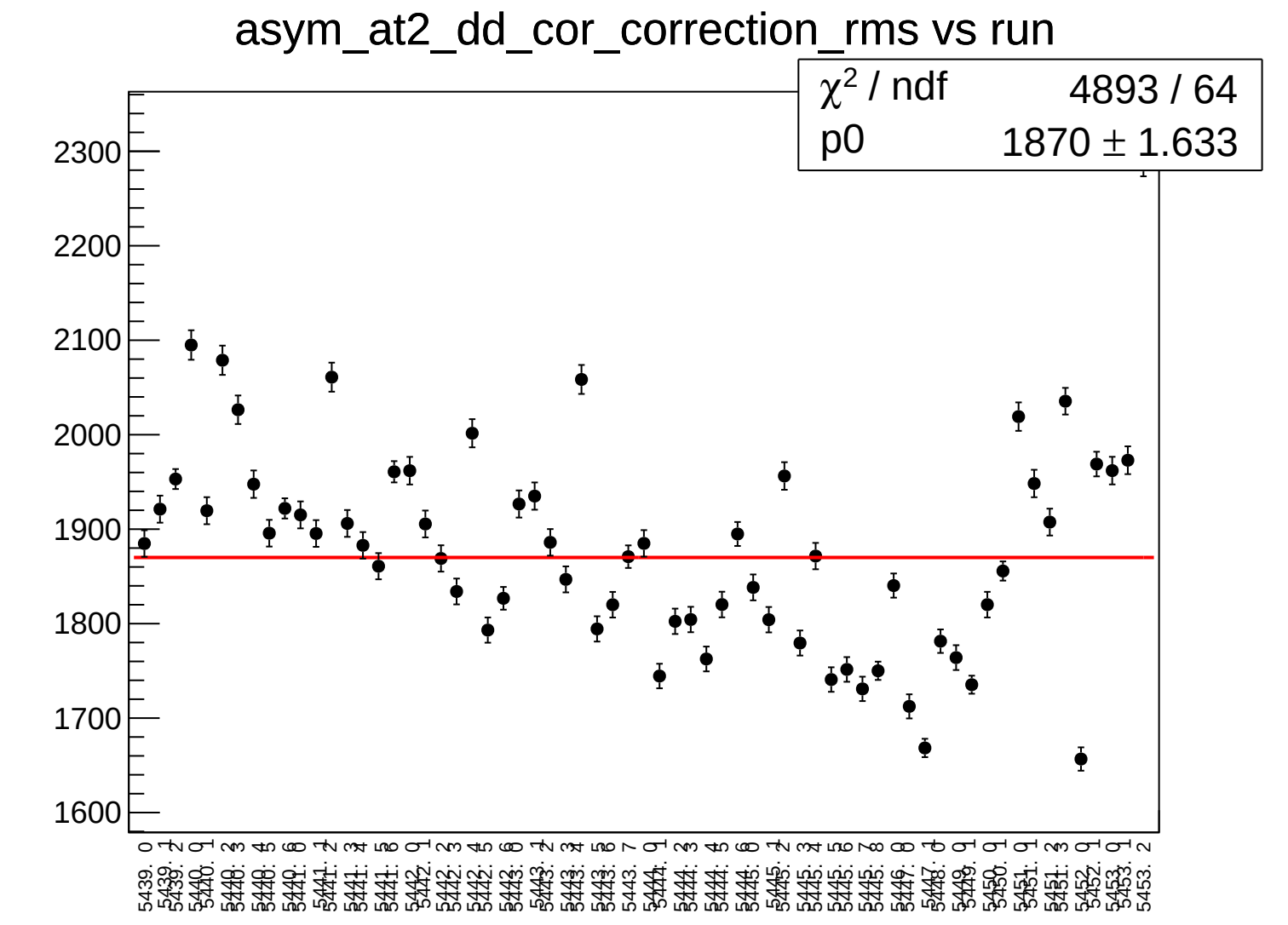

cor_asym_at2_dd_mean vs run
χ² / ndf 42.07 / 64
p0 −6300 ± 3320
pull
Entries 65
Mean 105.8
Std Dev 0

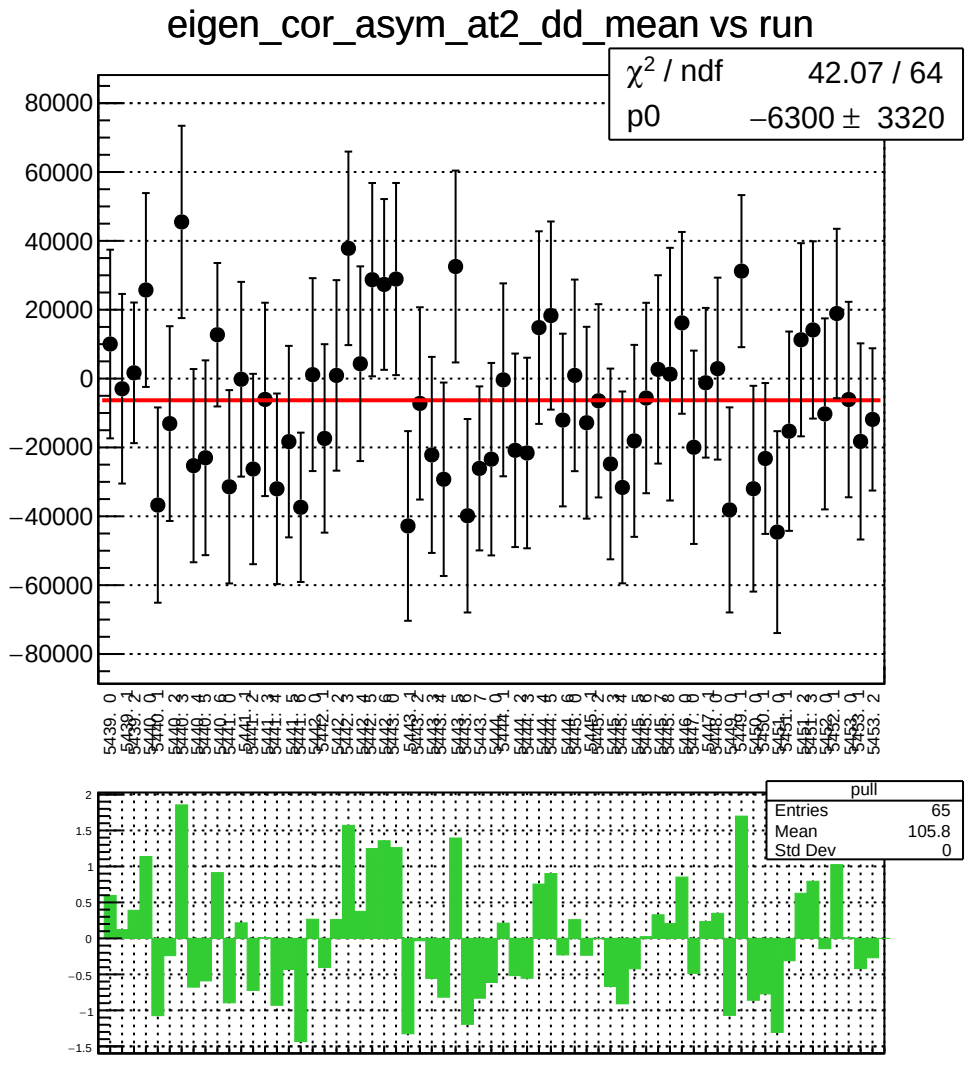

pull1D
Entries 65
Mean −0.01072
Std Dev 0.8044

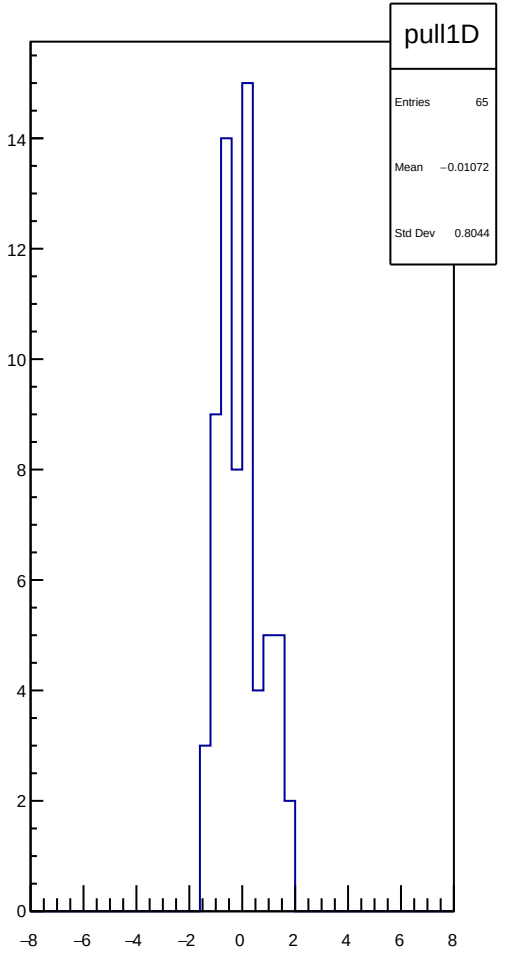

cor_asym_at2_dd_rms vs run
χ² / ndf 6591 / 64
p0 2686 ± 2.347
4500
4000
3500
3000
2500

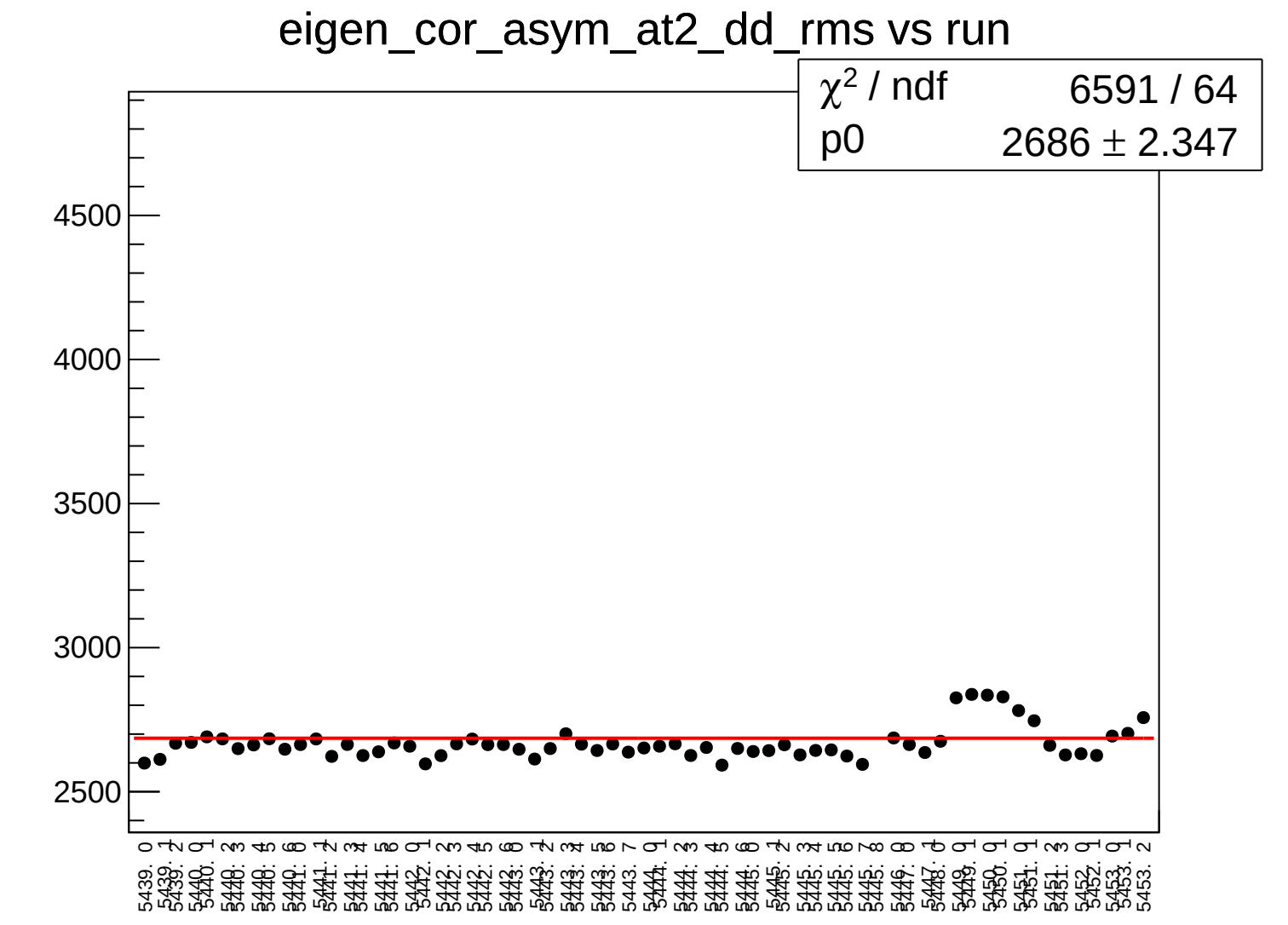

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 71.21 / 64
p0 4288 ± 2310
pull
Entries 65
Mean −39.45
Std Dev 0

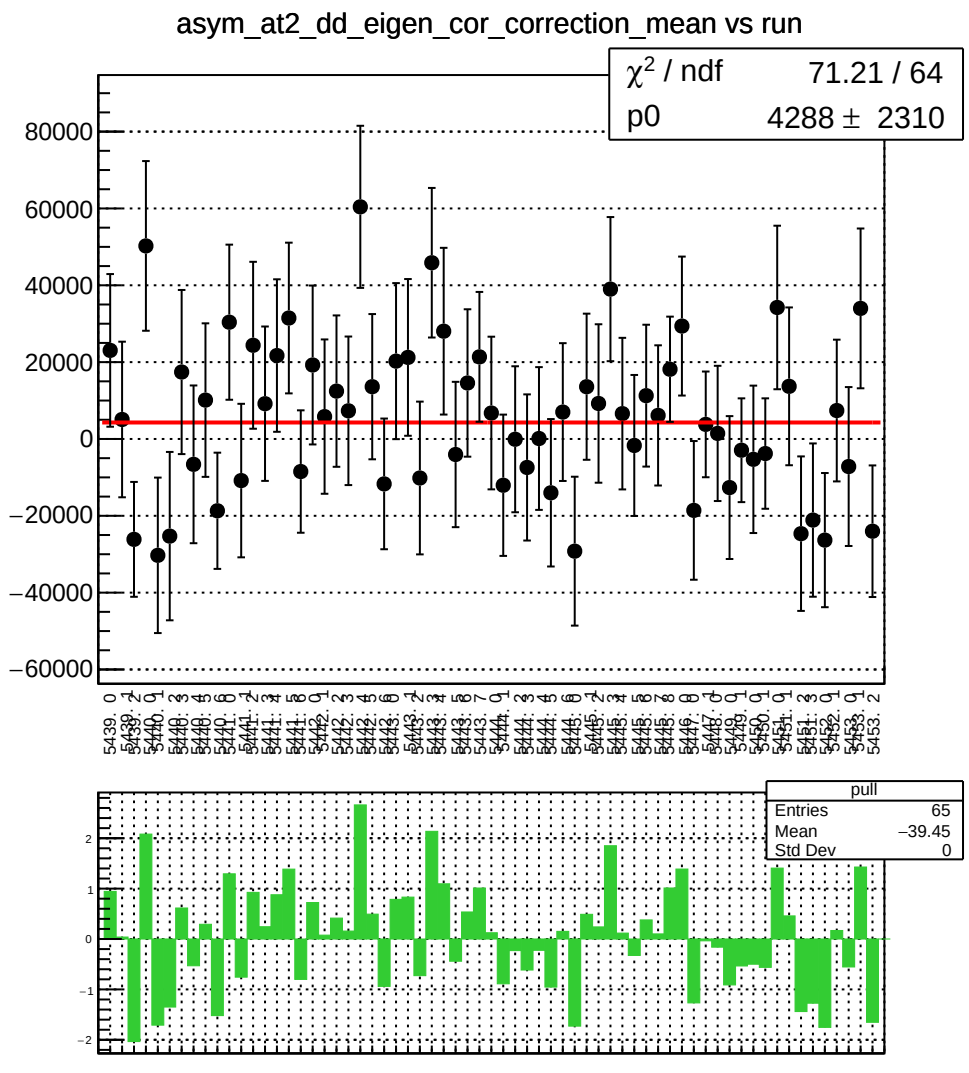

pull1D
Entries 65
Mean 0.0387
Std Dev 1.046

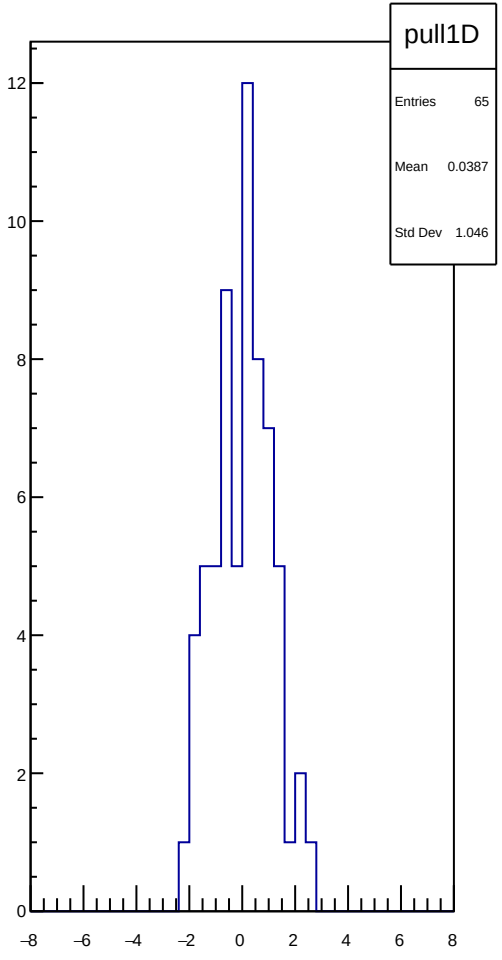

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 4893 / 64
p0 1870 ± 1.633
2300
2200
2100
2000
1900
1800
1700
1600

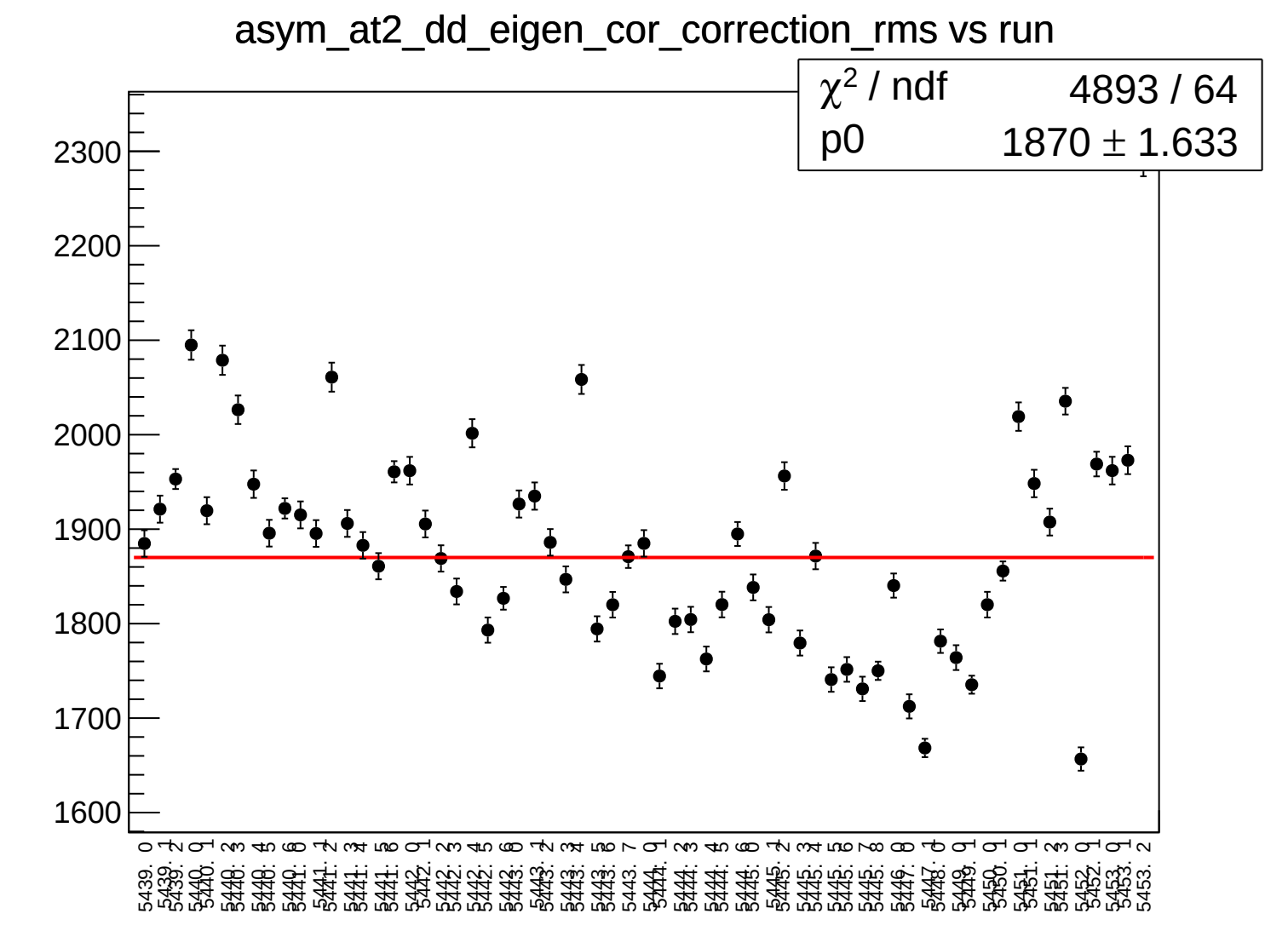

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 42.07 / 64
p0 −6300 ± 3320
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 65
Mean 105.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

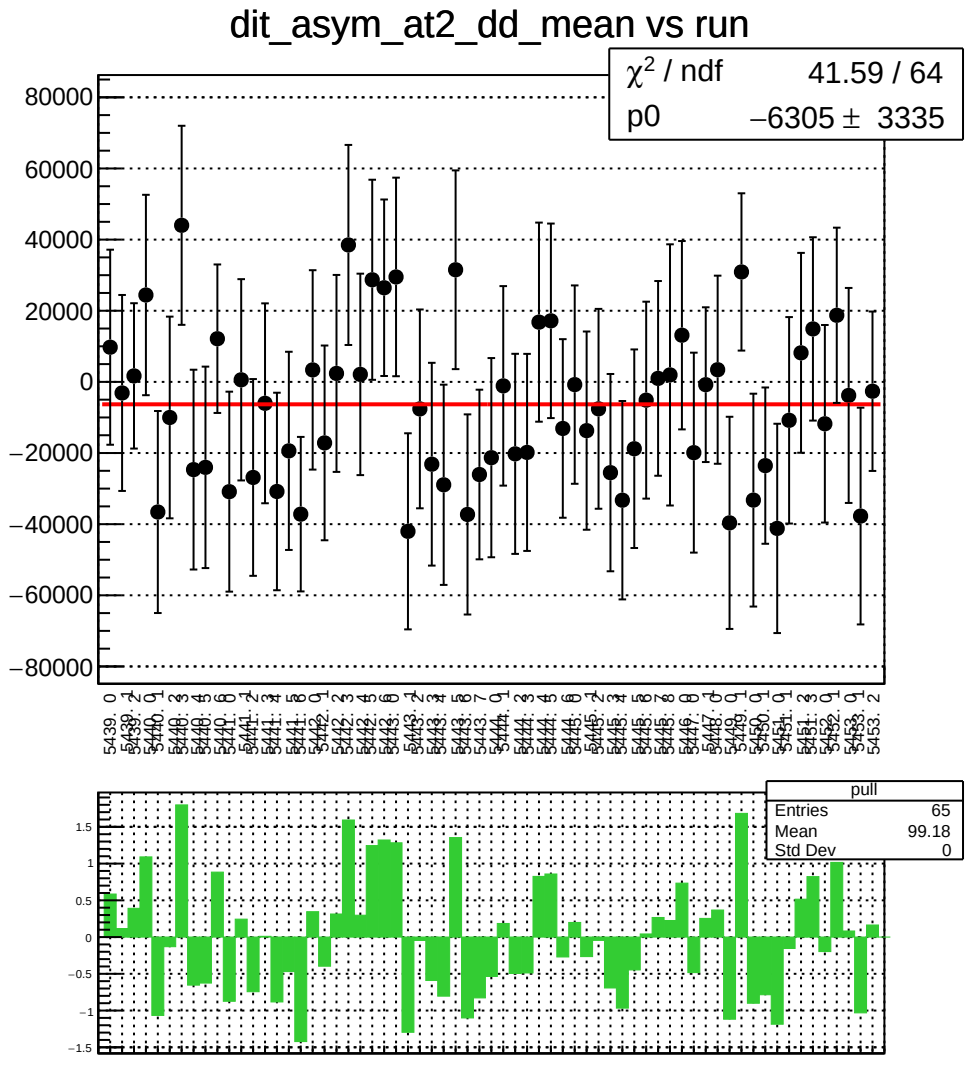

pull1D
Entries 65
Mean −0.01072
Std Dev 0.8044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

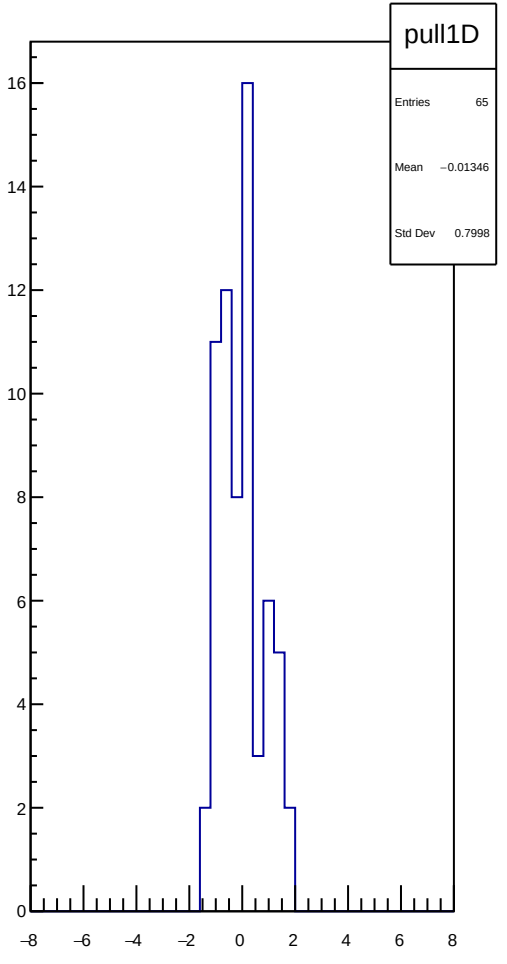

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 6591 / 64
p0 2686 ± 2.347
4500
4000
3500
3000
2500

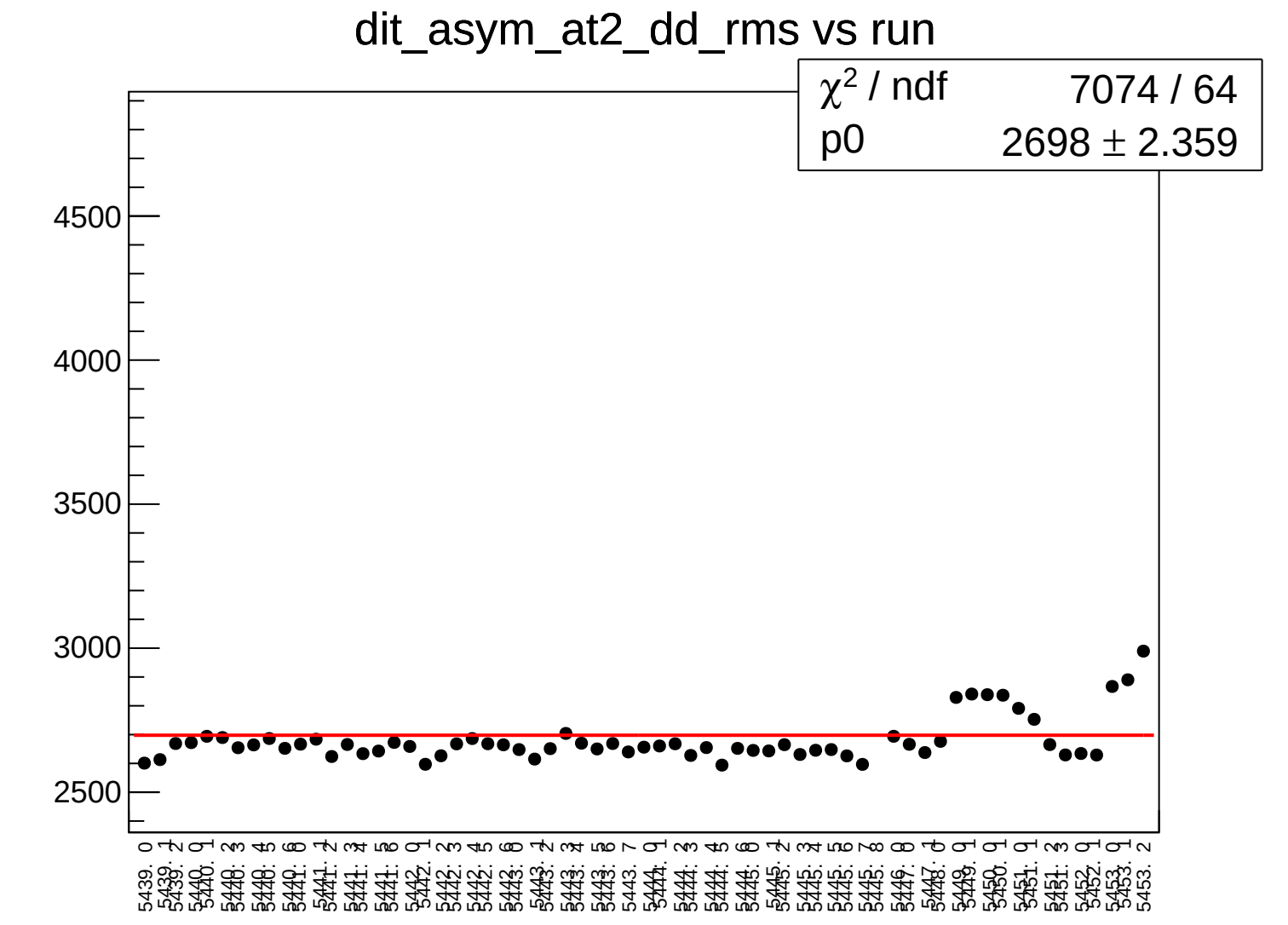

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.21 / 64
p0 4288 ± 2310
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −39.45
Std Dev 0
2
1
0
−1
−2

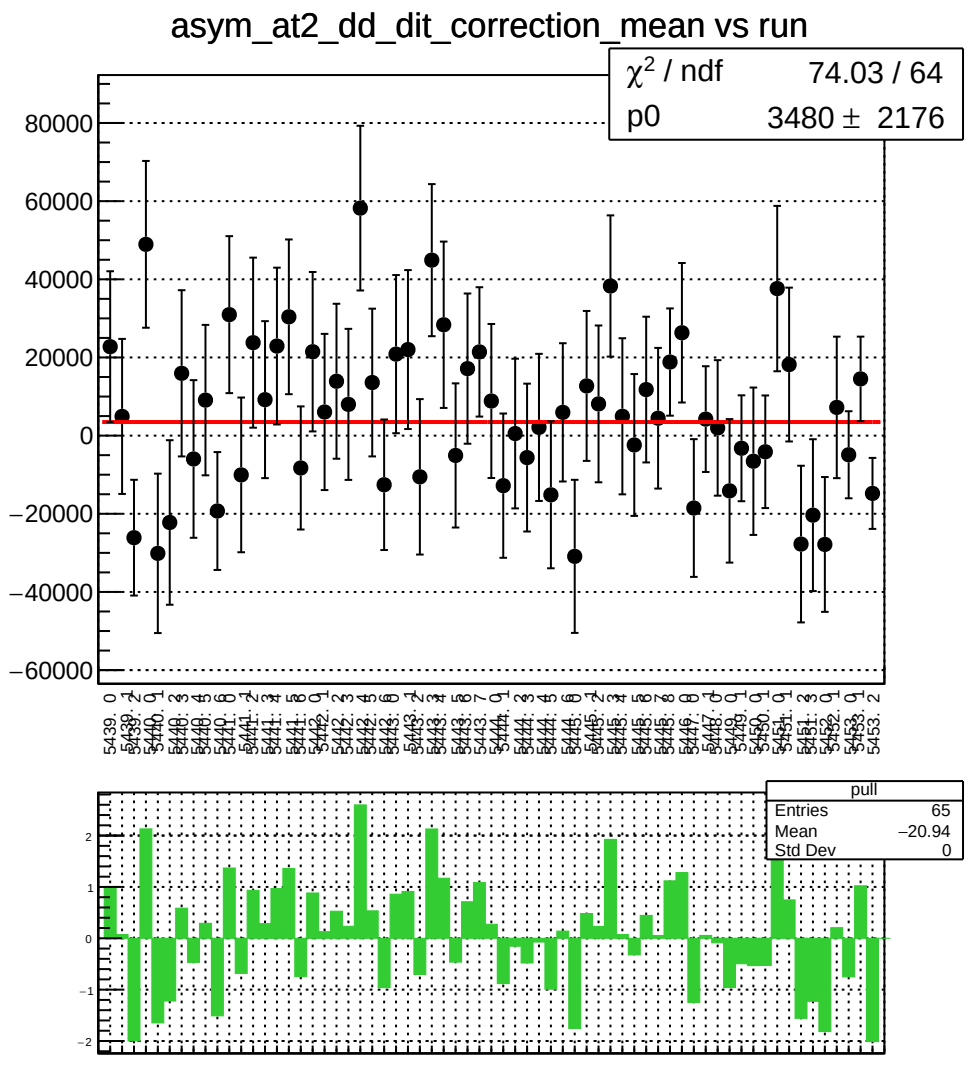

pull1D
Entries 65
Mean 0.0387
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

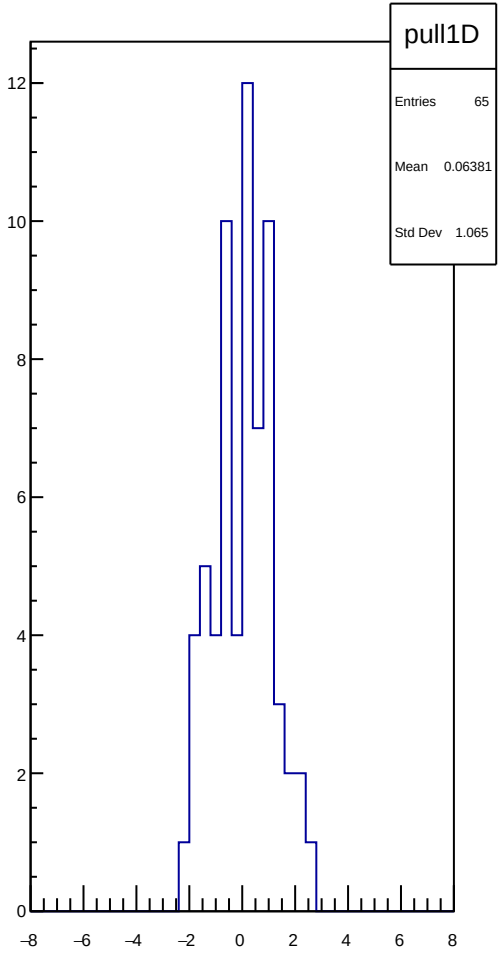

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4893 / 64
p0 1870 ± 1.633
2300
2200
2100
2000
1900
1800
1700
1600

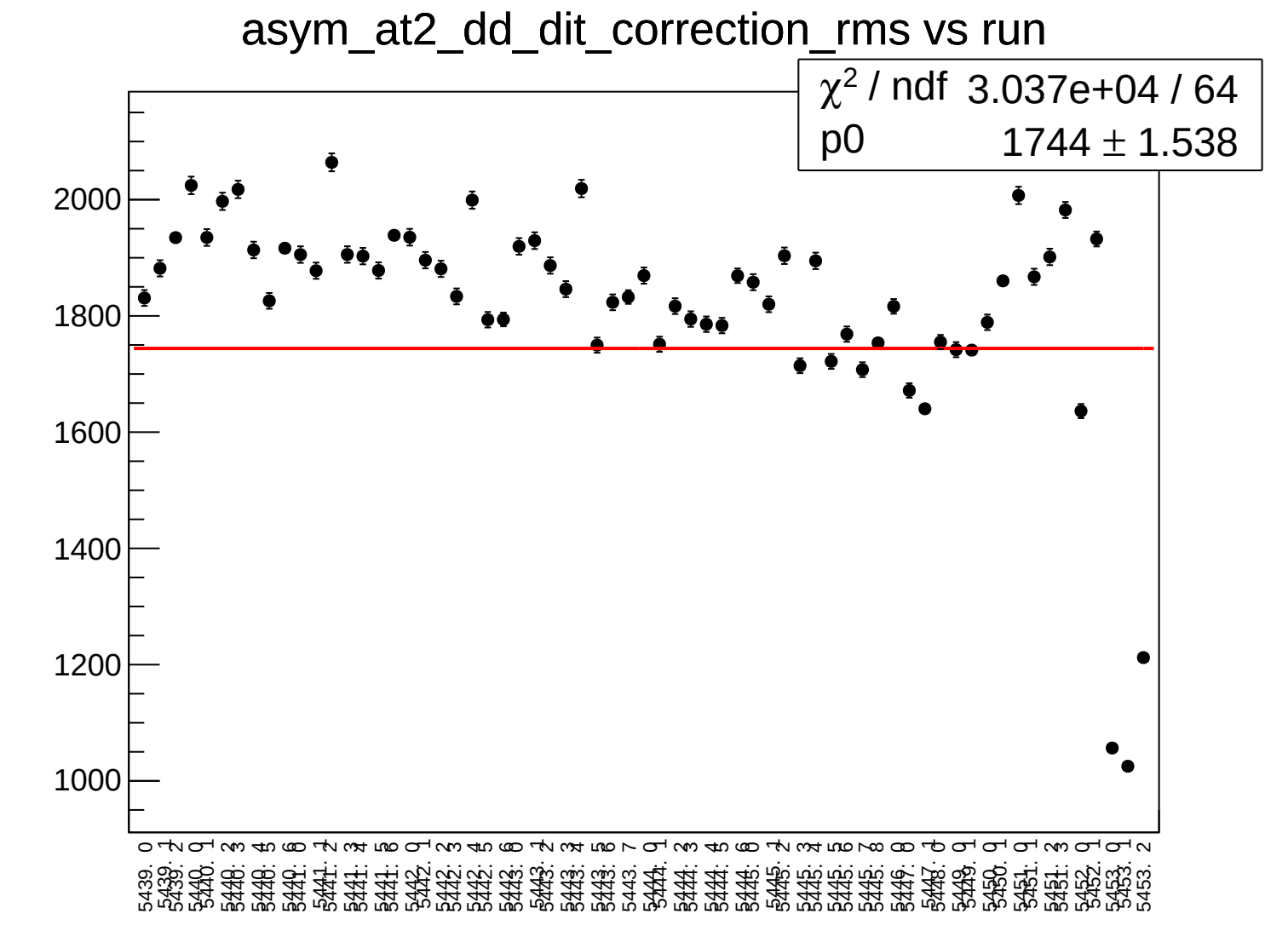

dit_asym_at2_dd_mean vs run
χ² / ndf 41.59 / 64
p0 −6305 ± 3335
pull
Entries 65
Mean 99.18
Std Dev 0

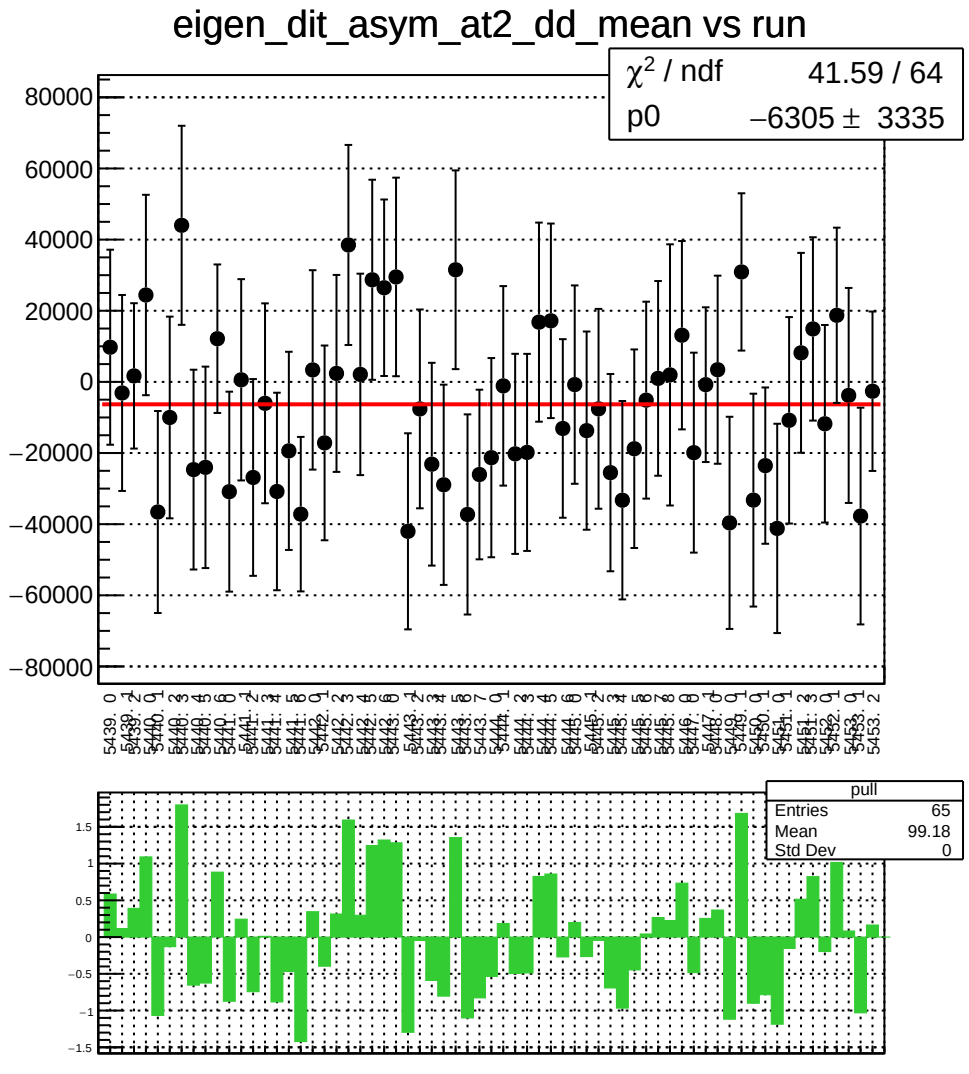

pull1D
Entries 65
Mean −0.01346
Std Dev 0.7998

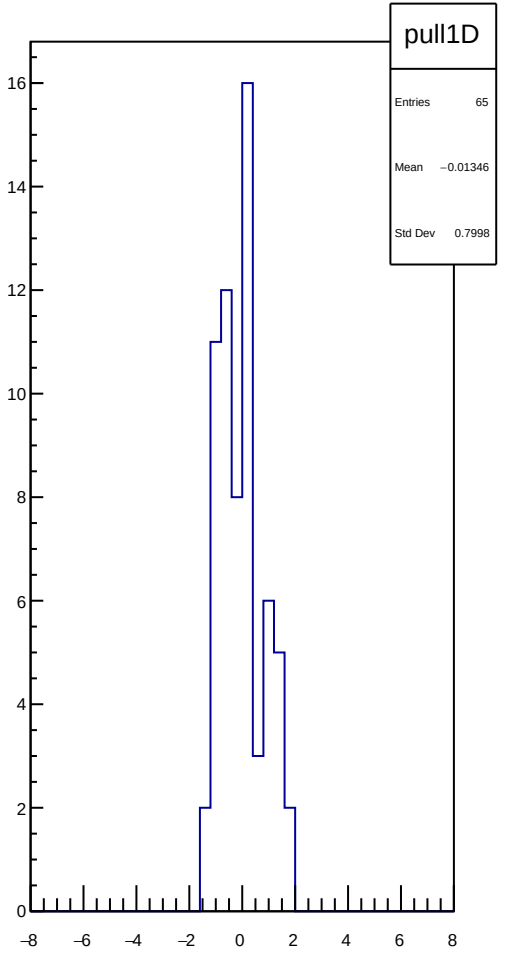

dit_asym_at2_dd_rms vs run
χ² / ndf 7074 / 64
p0 2698 ± 2.359
4500
4000
3500
3000
2500

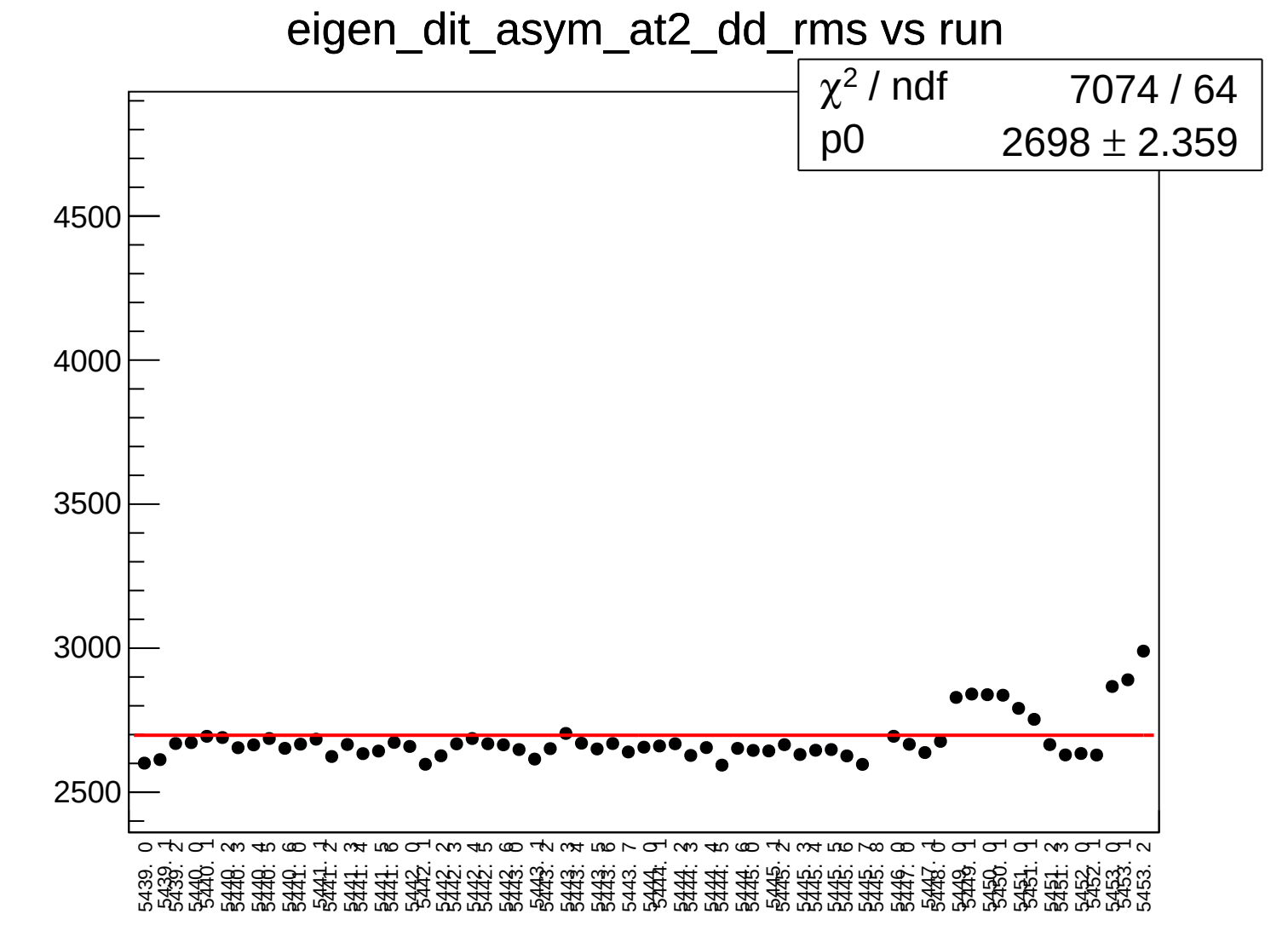

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 74.03 / 64
p0 3480 ± 2176
pull
Entries 65
Mean −20.94
Std Dev 0

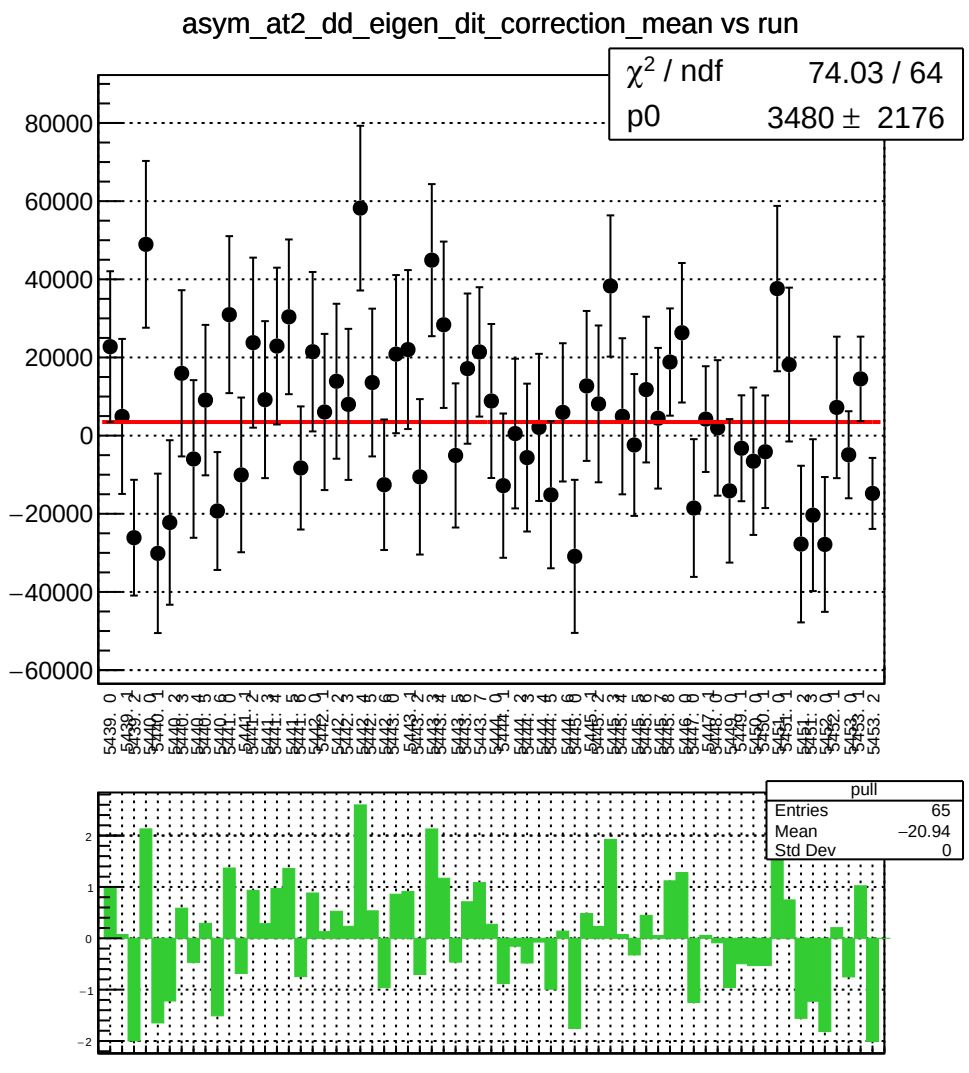

pull1D
Entries 65
Mean 0.06381
Std Dev 1.065

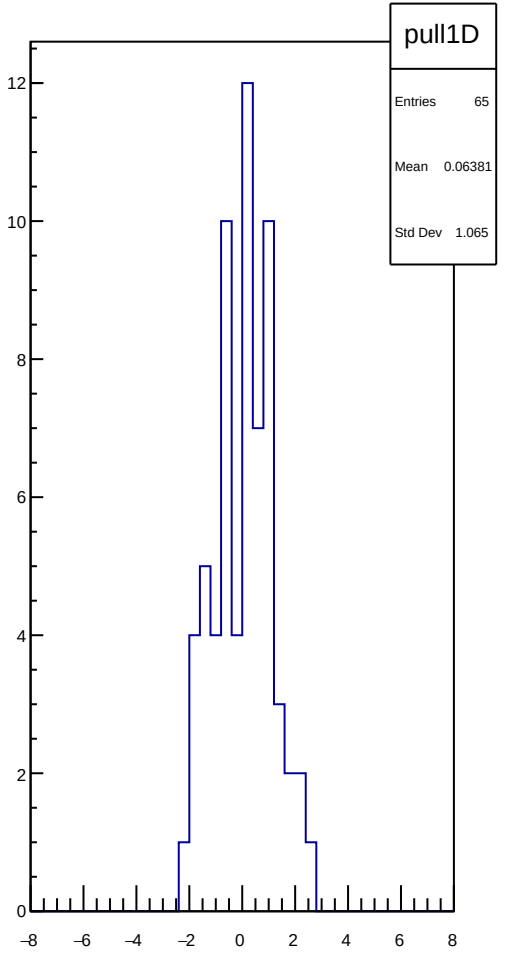

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 3.037e+04 / 64
p0 1744 ± 1.538
2000
1800
1600
1400
1200
1000

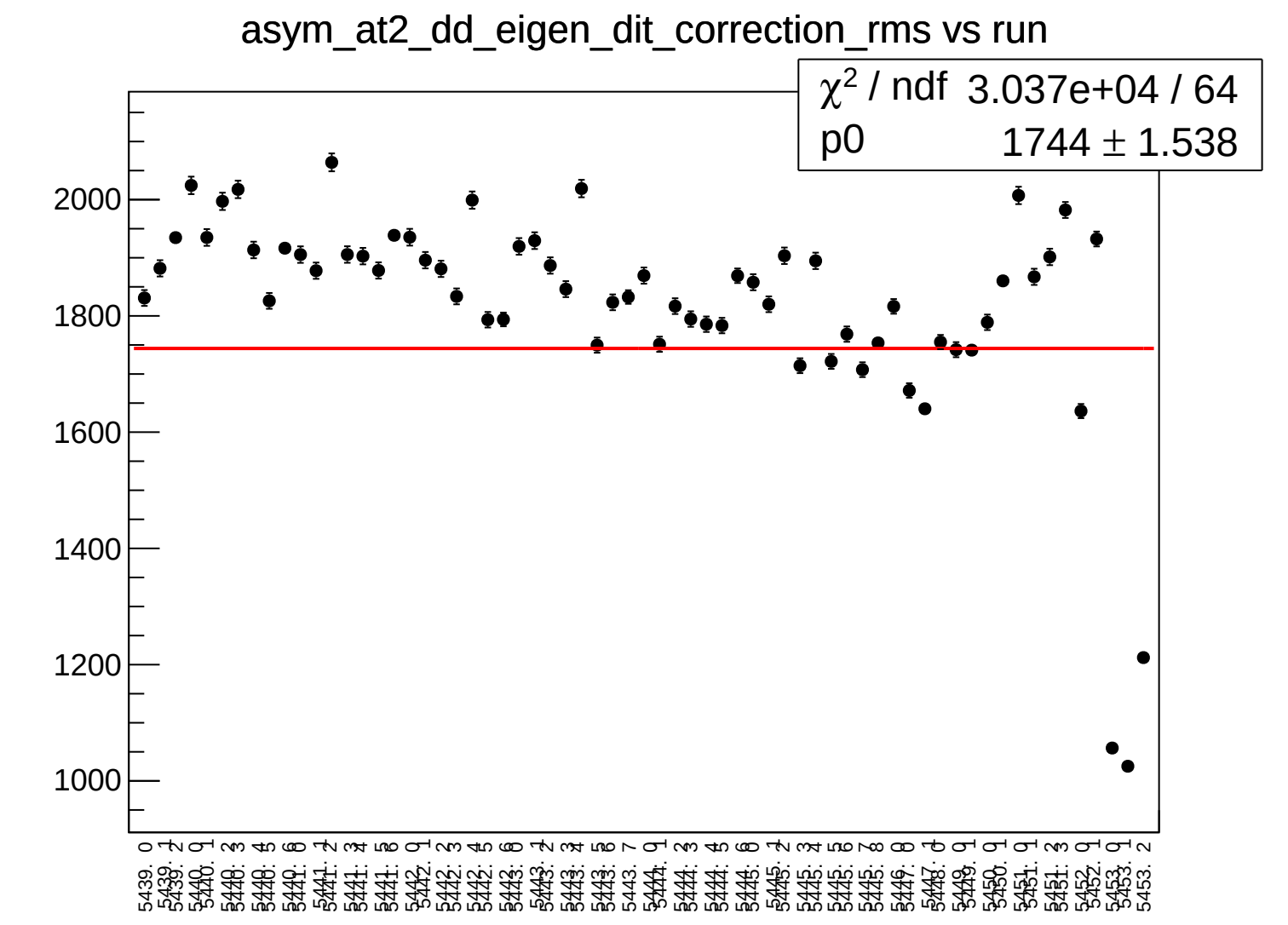

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 41.59 / 64
p0 −6305 ± 3335
pull
Entries 65
Mean 99.18
Std Dev 0

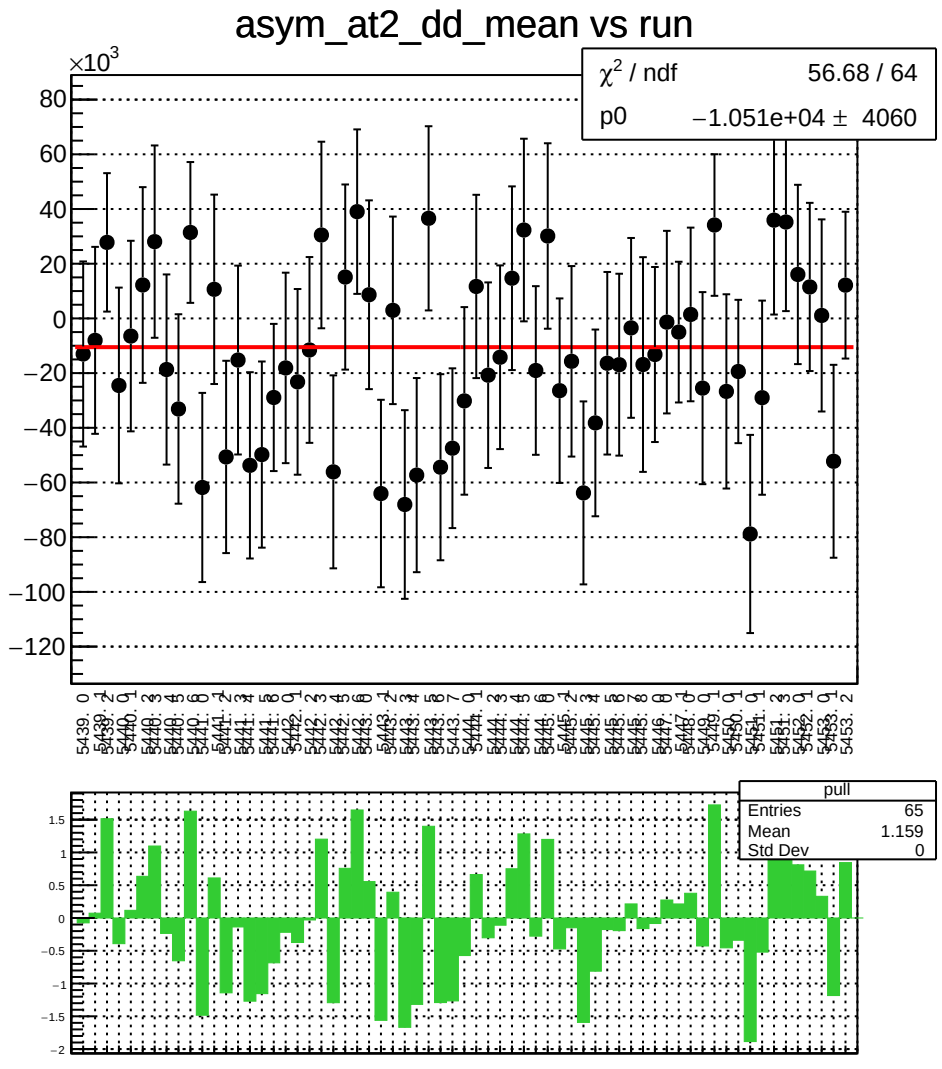

pull1D
Entries 65
Mean −0.01346
Std Dev 0.7998

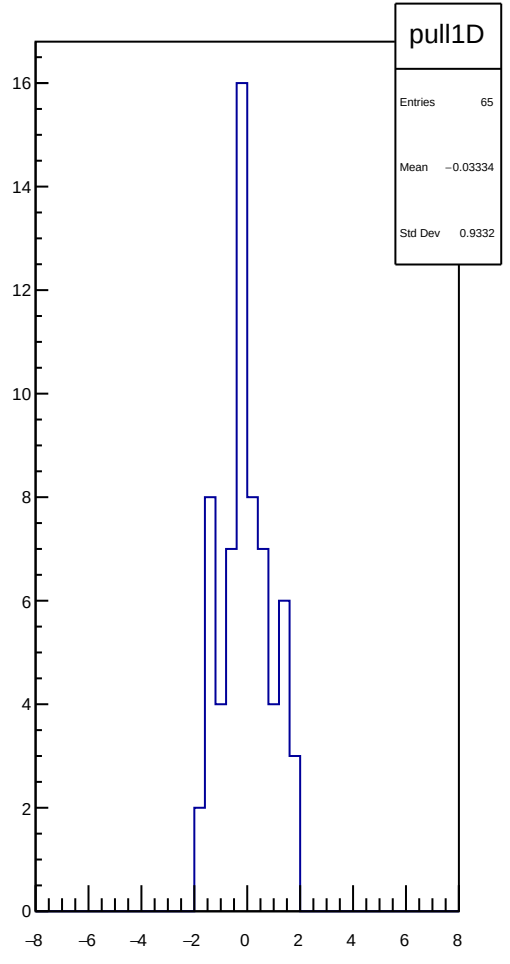

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 7074 / 64
p0 2698 ± 2.359
4500
4000
3500
3000
2500

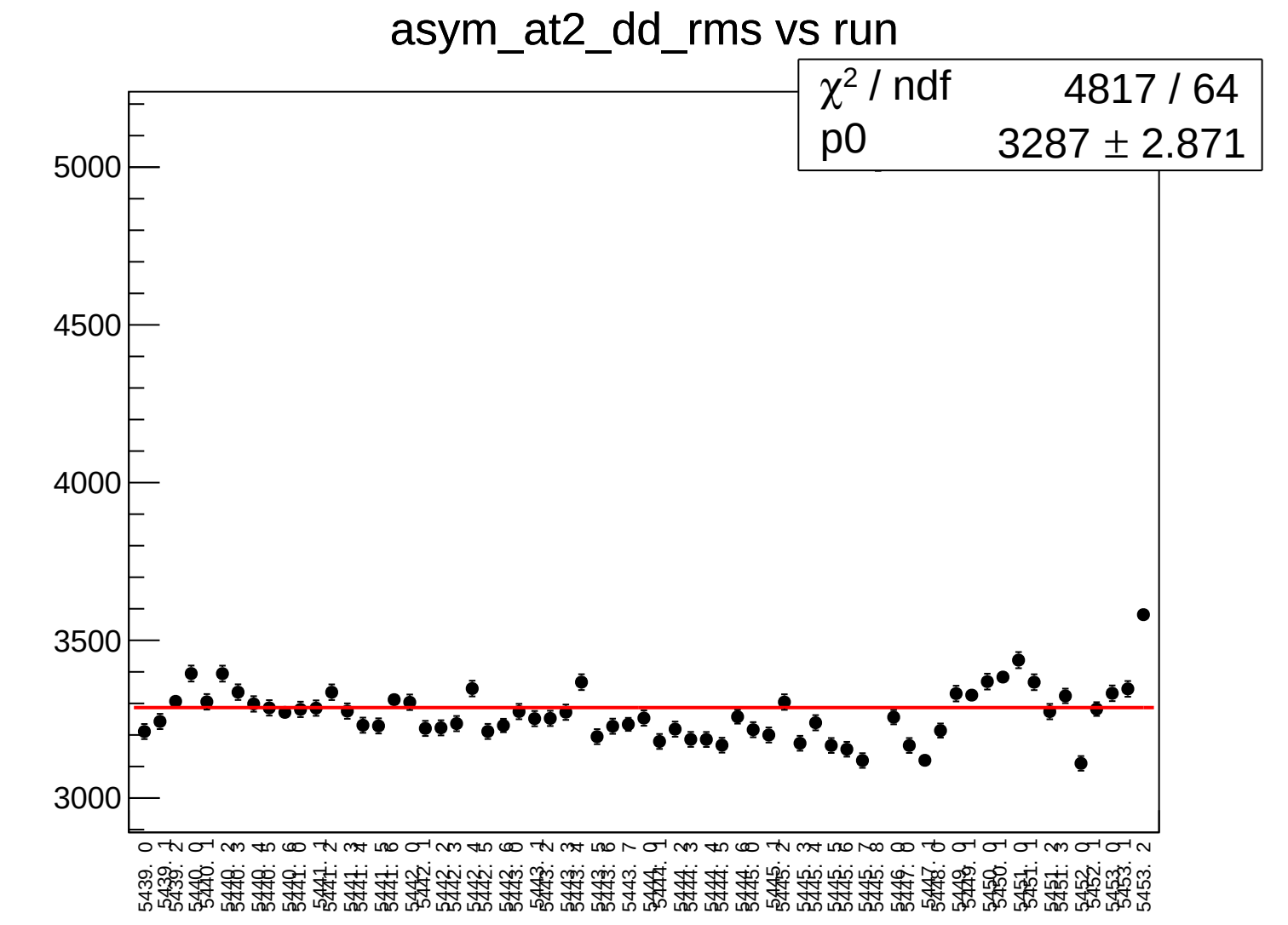

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.03 / 64
p0 3480 ± 2176
pull
Entries 65
Mean −20.94
Std Dev 0

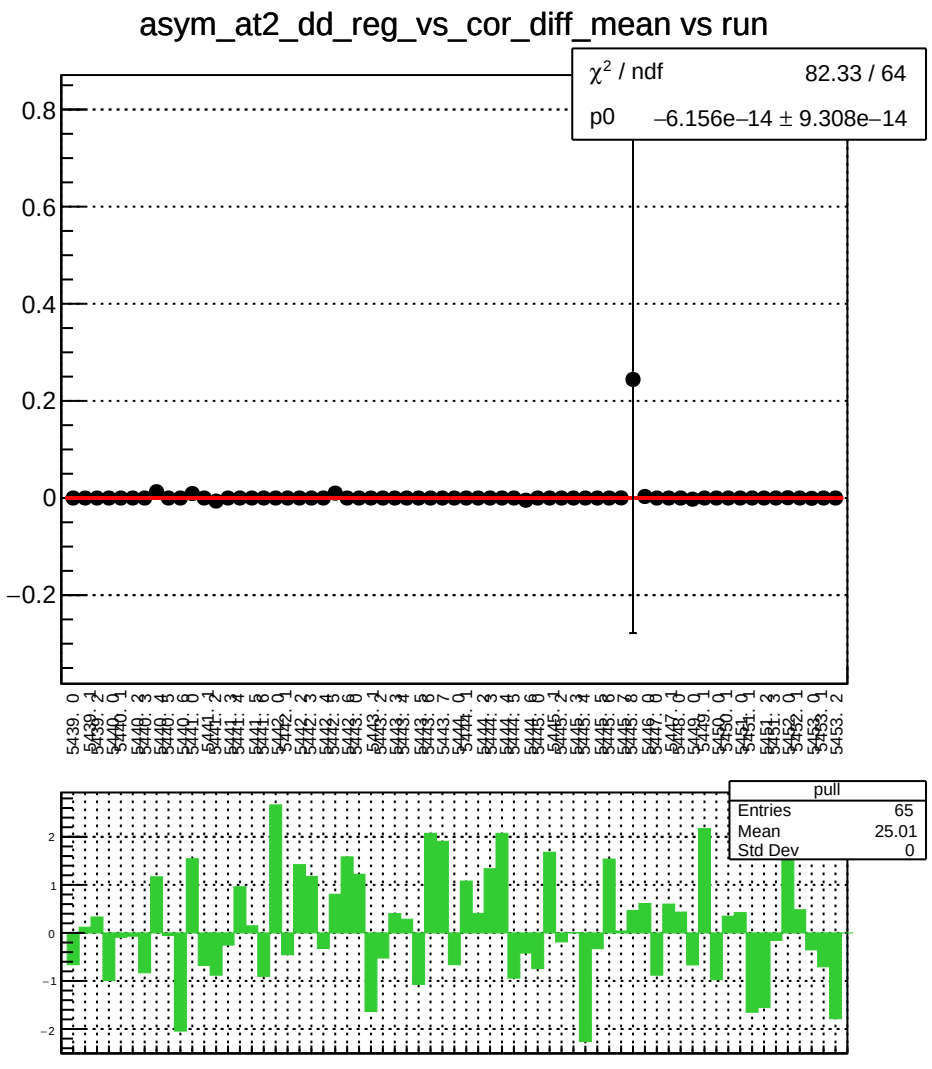

pull1D
Entries 65
Mean 0.06381
Std Dev 1.065

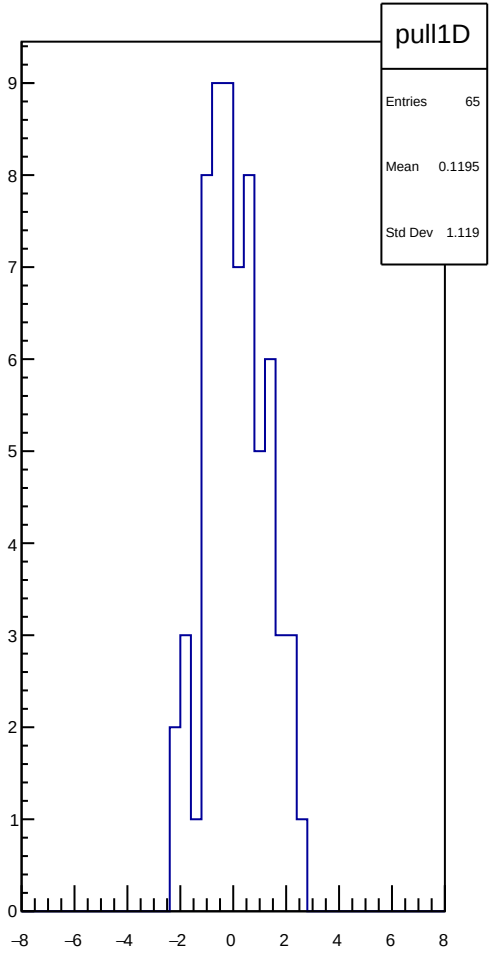

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.037e+04 / 64
p0 1744 ± 1.538
2000
1800
1600
1400
1200
1000

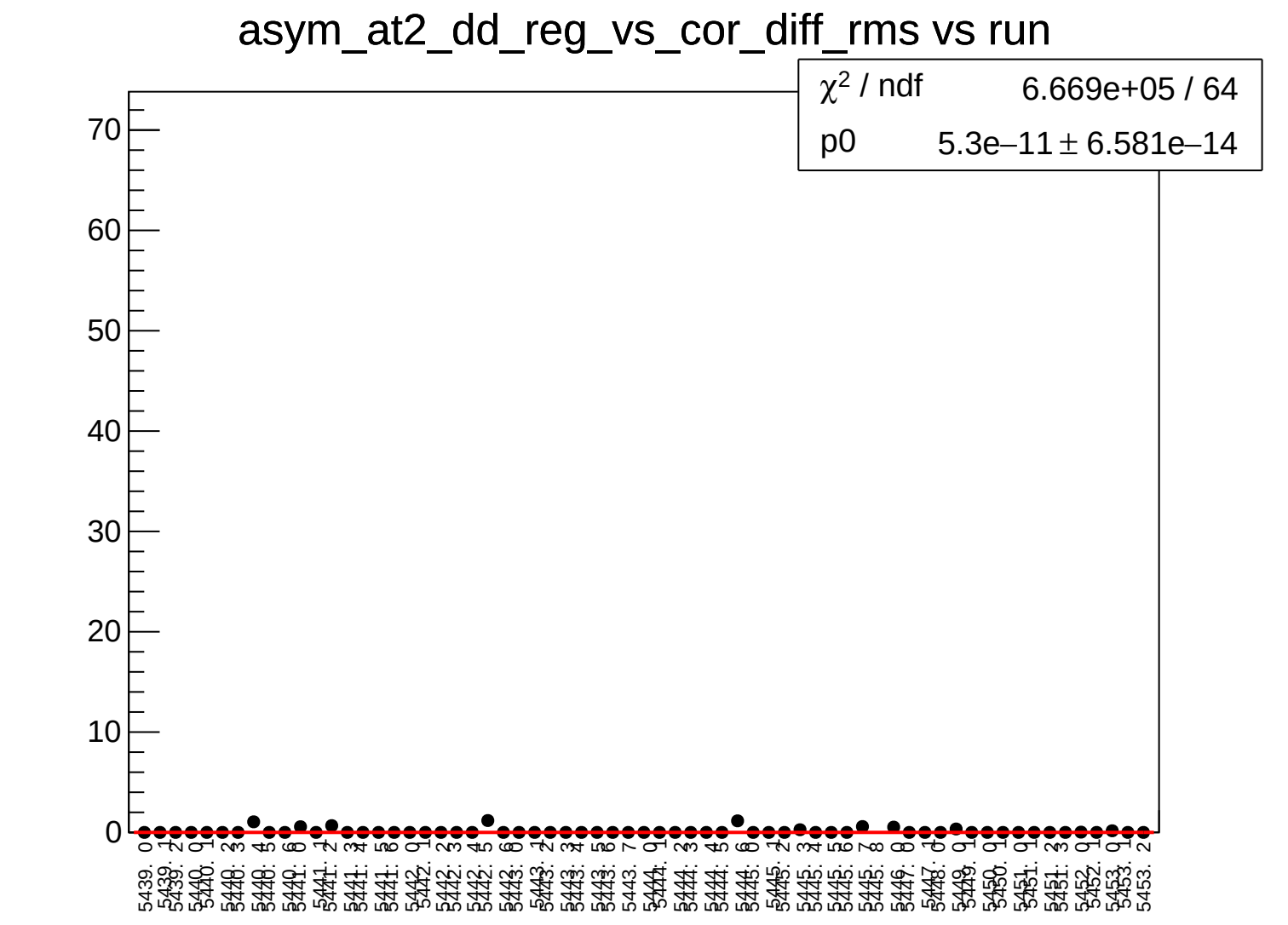

asym_at2_dd_mean vs run
×10^3
χ² / ndf 56.68 / 64
p0 −1.051e+04 ± 4060
pull
Entries 65
Mean 1.159
Std Dev 0

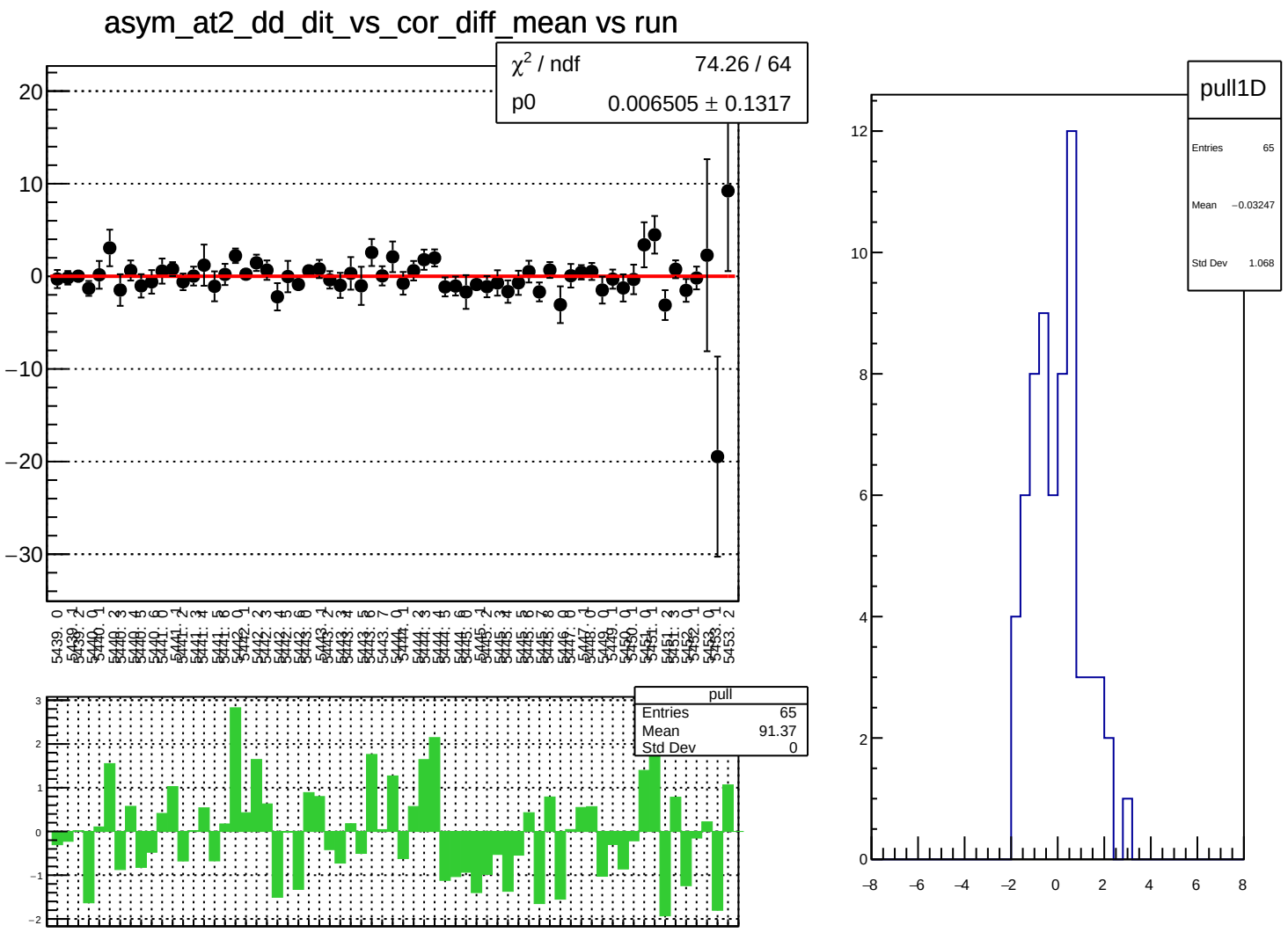

pull1D
Entries 65
Mean −0.03334
Std Dev 0.9332

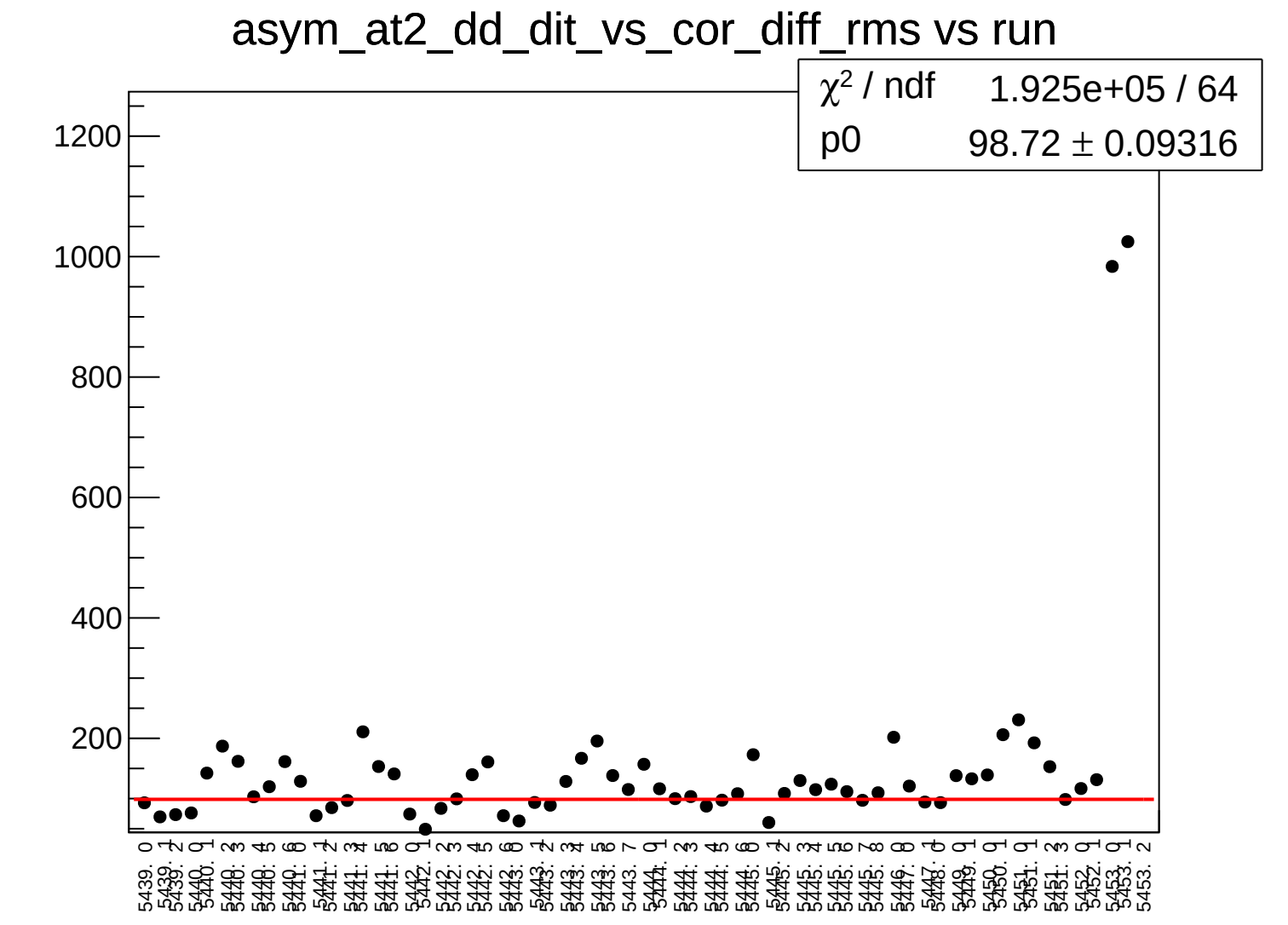

asym_at2_dd_rms vs run
χ² / ndf 4817 / 64
p0 3287 ± 2.871
5000
4500
4000
3500
3000

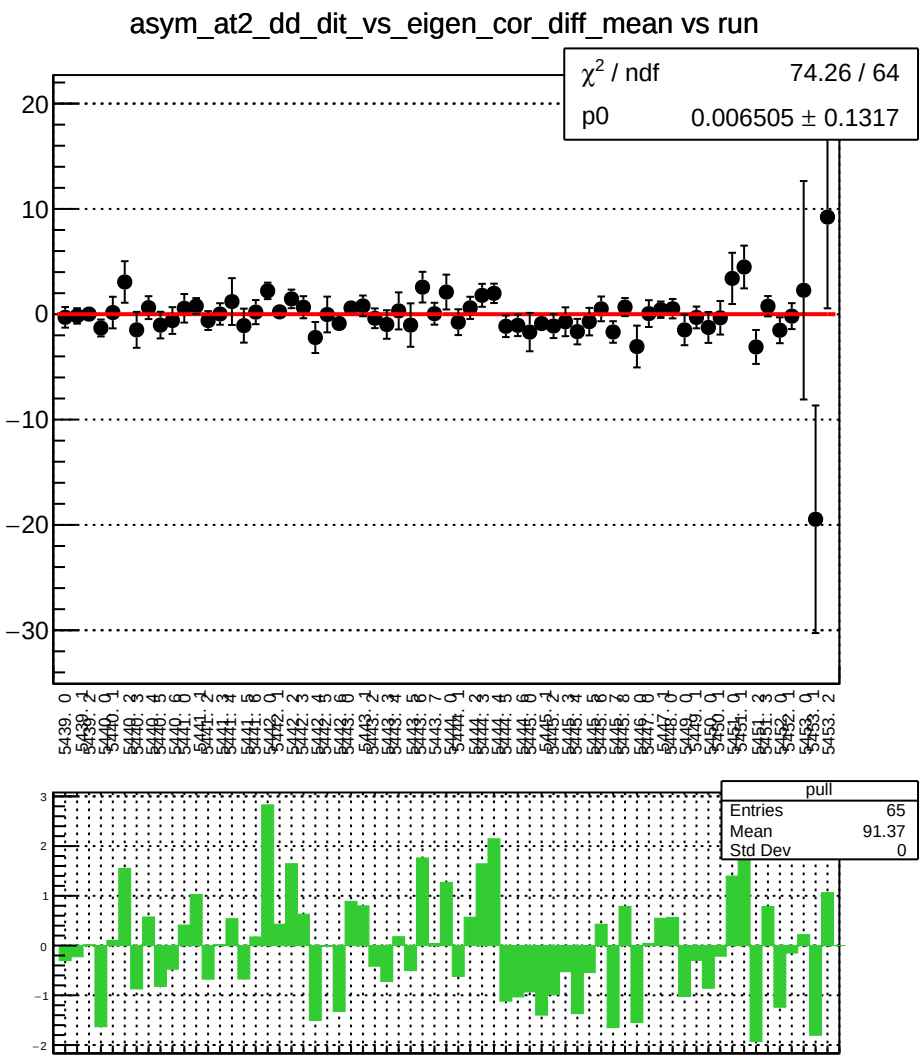

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 82.33 / 64
p0 −6.156e−14 ± 9.308e−14
pull
Entries 65
Mean 25.01
Std Dev 0

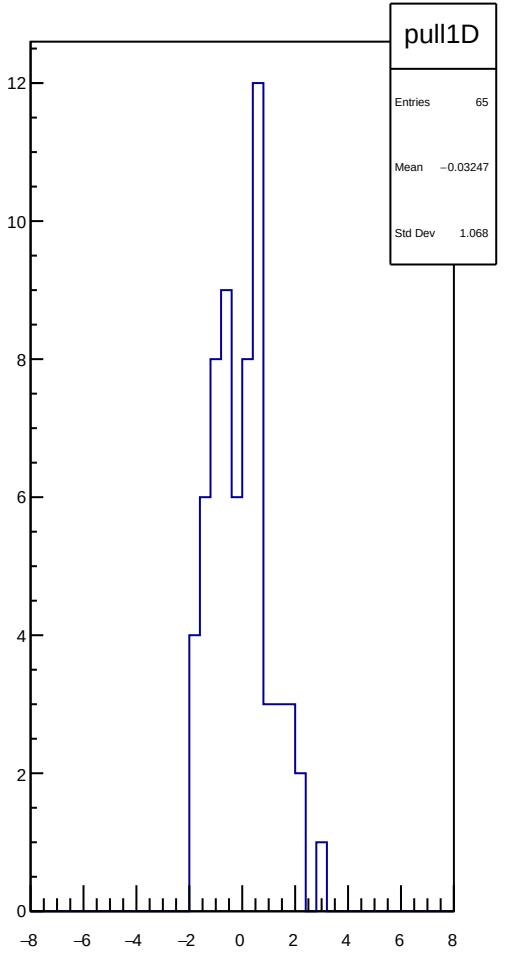

pull1D
Entries 65
Mean 0.1195
Std Dev 1.119

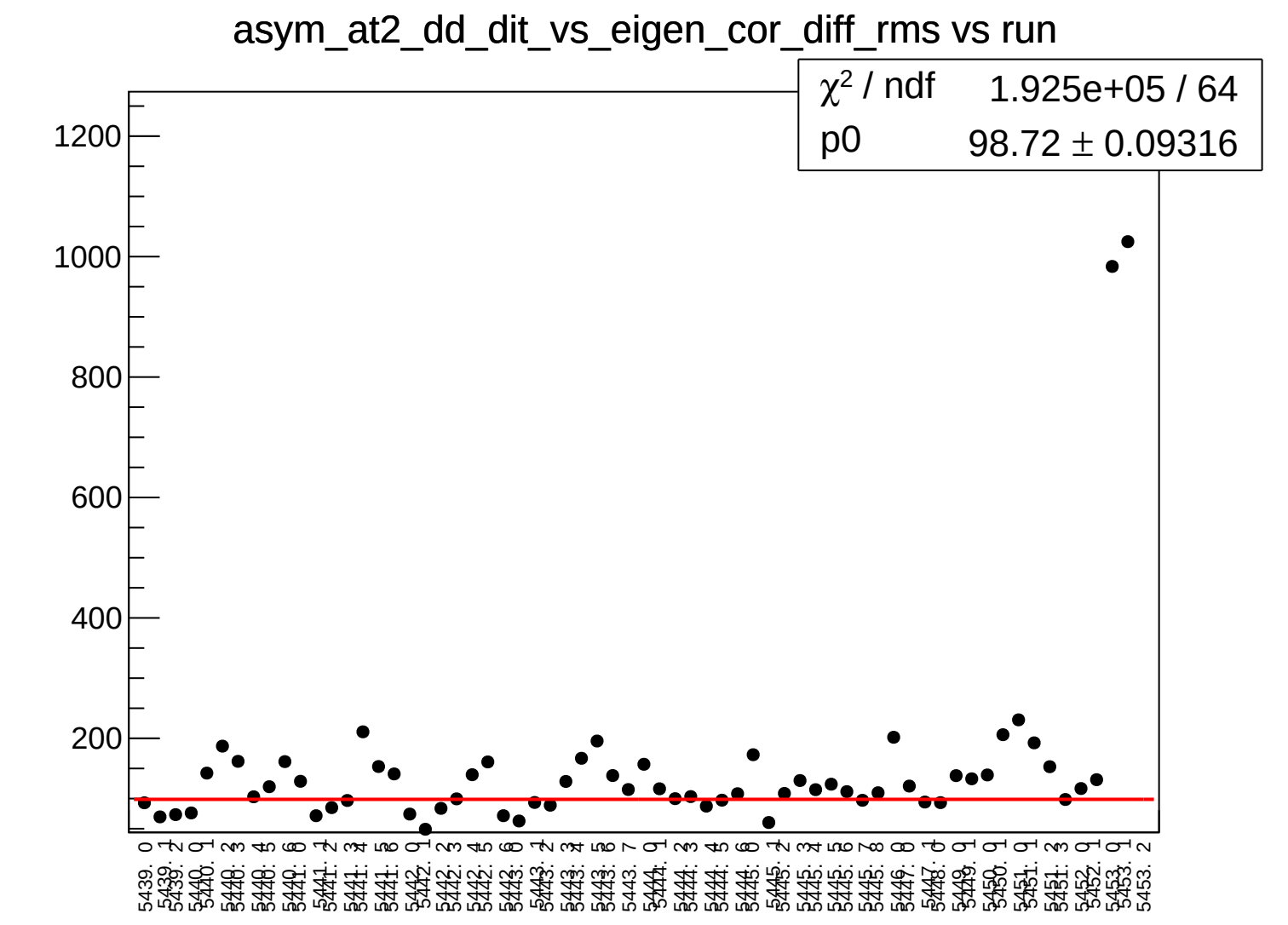

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.669e+05 / 64
p0 5.3e−11 ± 6.581e−14
70
60
50
40
30
20
10
0

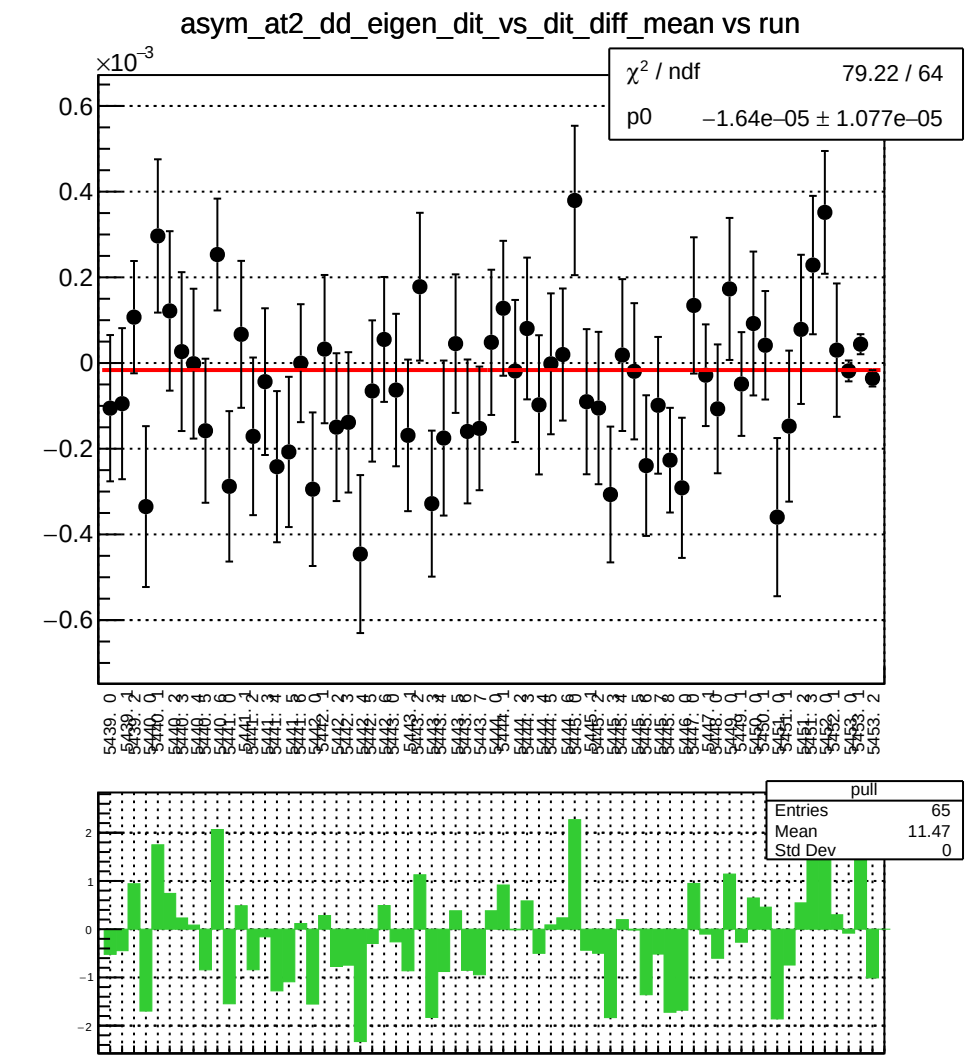

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.26 / 64
p0 0.006505 ± 0.1317
pull
Entries 65
Mean 91.37
Std Dev 0
pull1D
Entries 65
Mean −0.03247
Std Dev 1.068

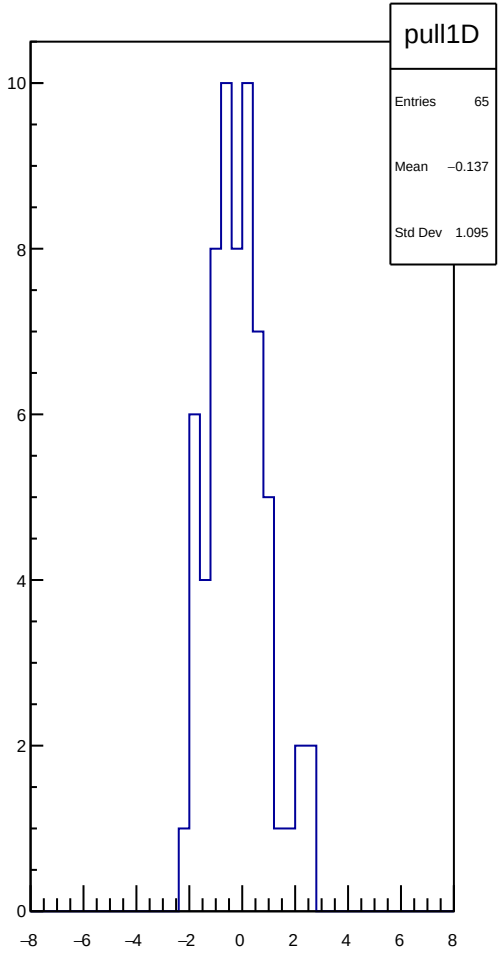

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.925e+05 / 64
p0 98.72 ± 0.09316
1200
1000
800
600
400
200

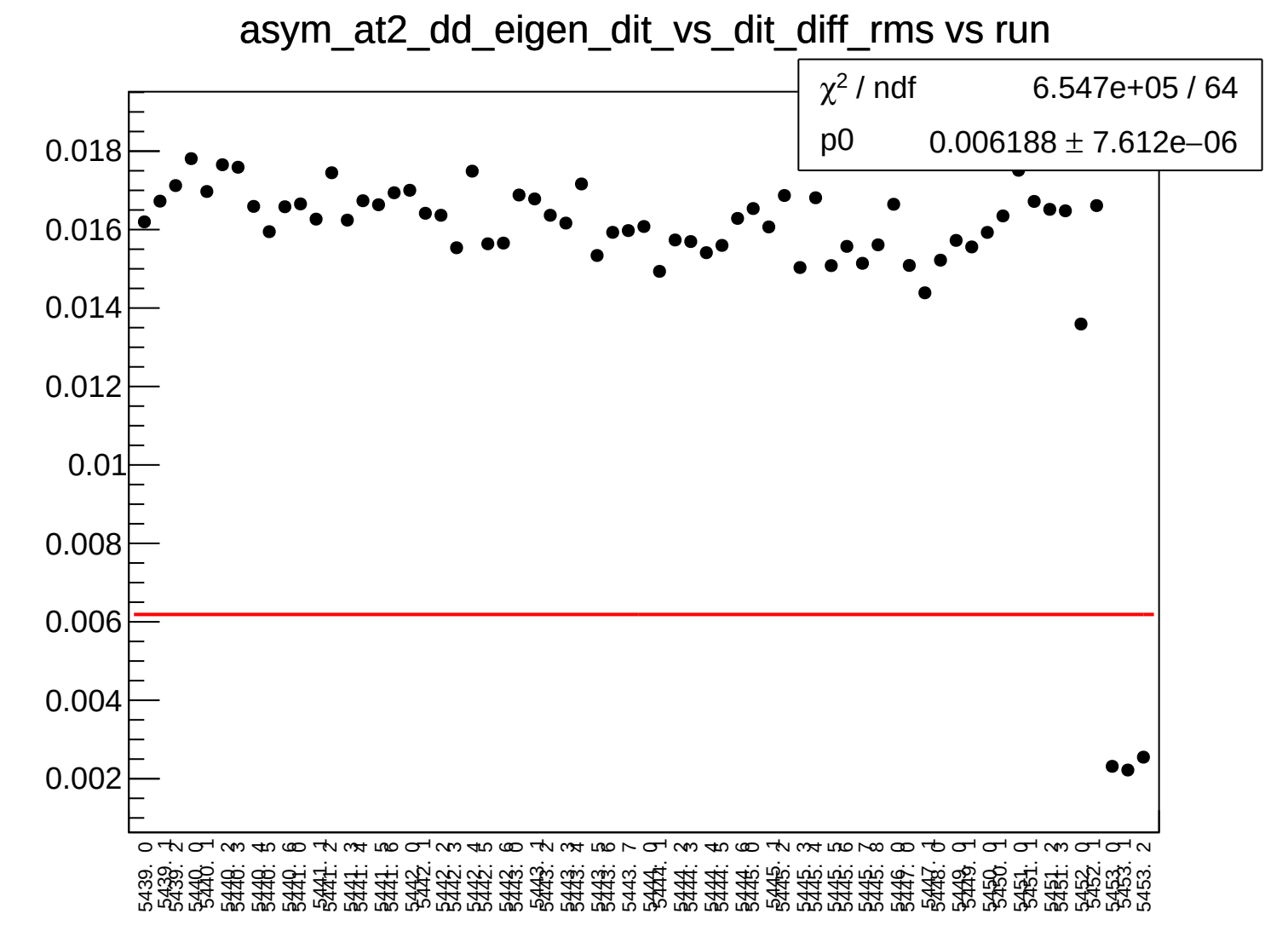

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.26 / 64
p0 0.006505 ± 0.1317
pull
Entries 65
Mean 91.37
Std Dev 0

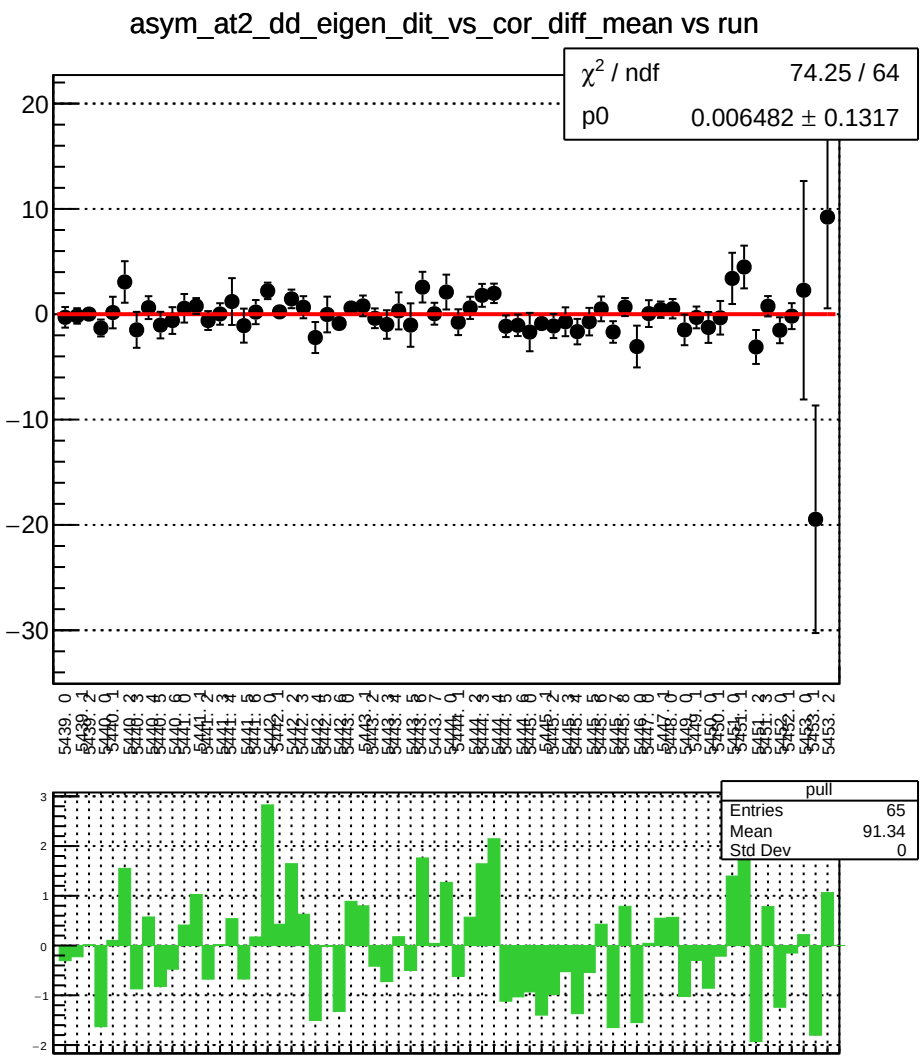

pull1D
Entries 65
Mean −0.03247
Std Dev 1.068

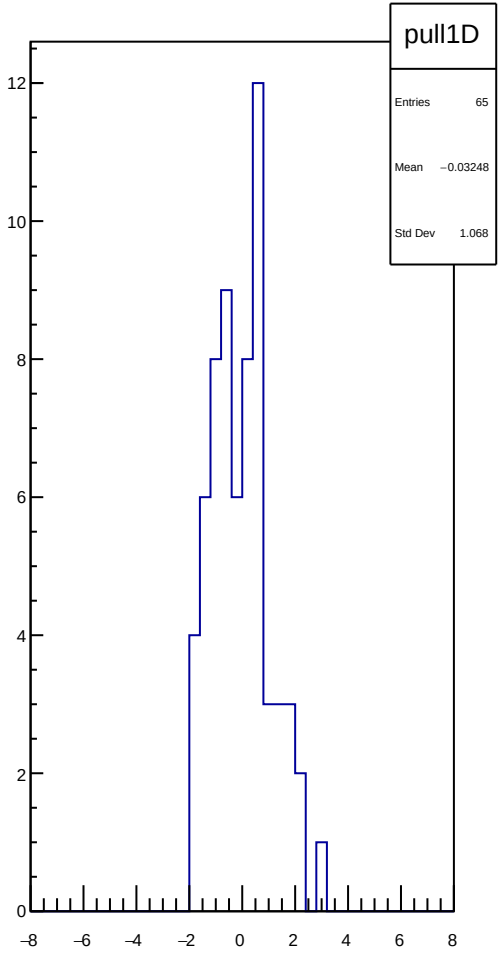

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.925e+05 / 64
p0 98.72 ± 0.09316
1200
1000
800
600
400
200

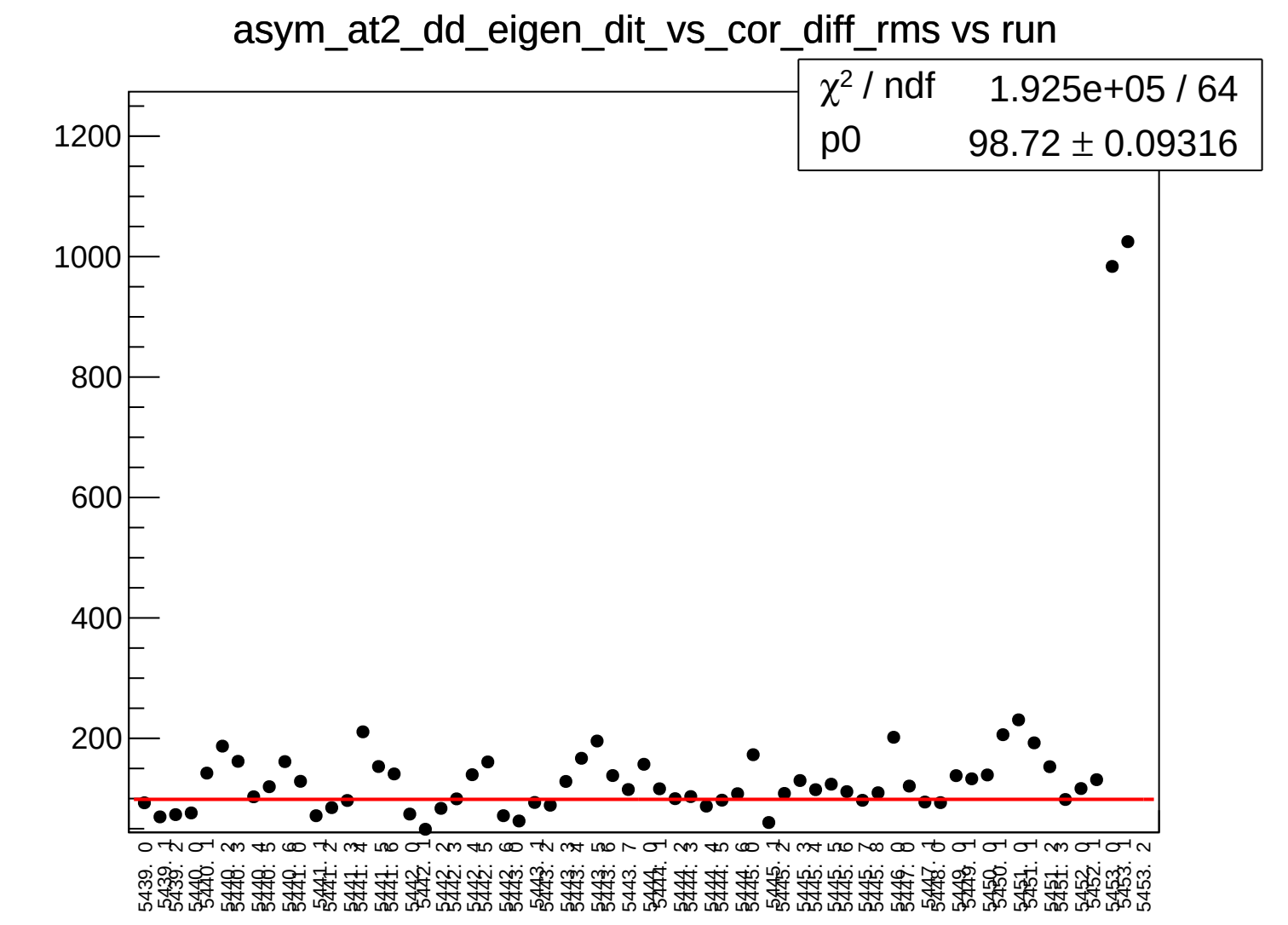

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.22 / 64
p0 −1.64e−05 ± 1.077e−05
pull
Entries 65
Mean 11.47
Std Dev 0

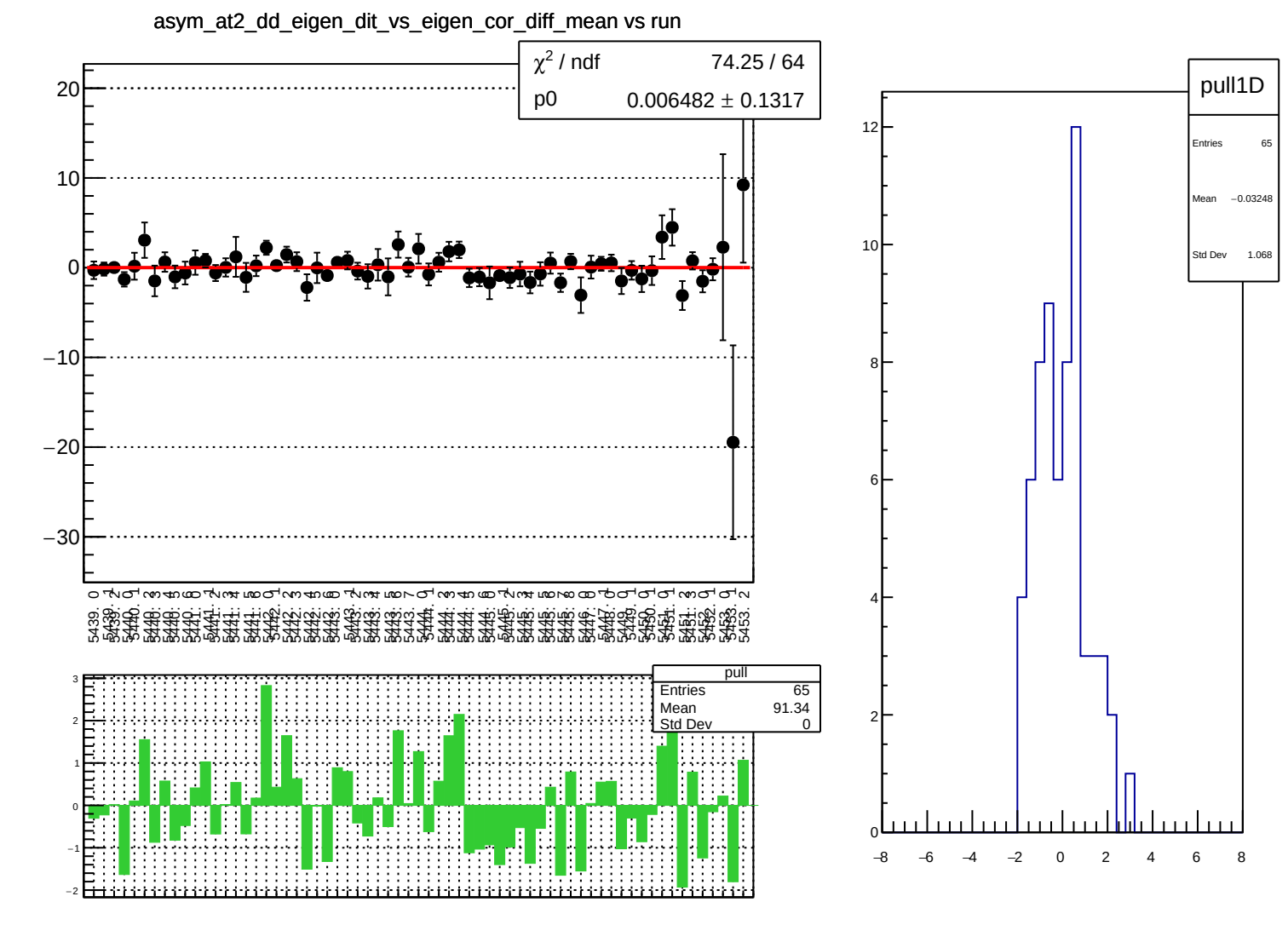

pull1D
Entries 65
Mean −0.137
Std Dev 1.095

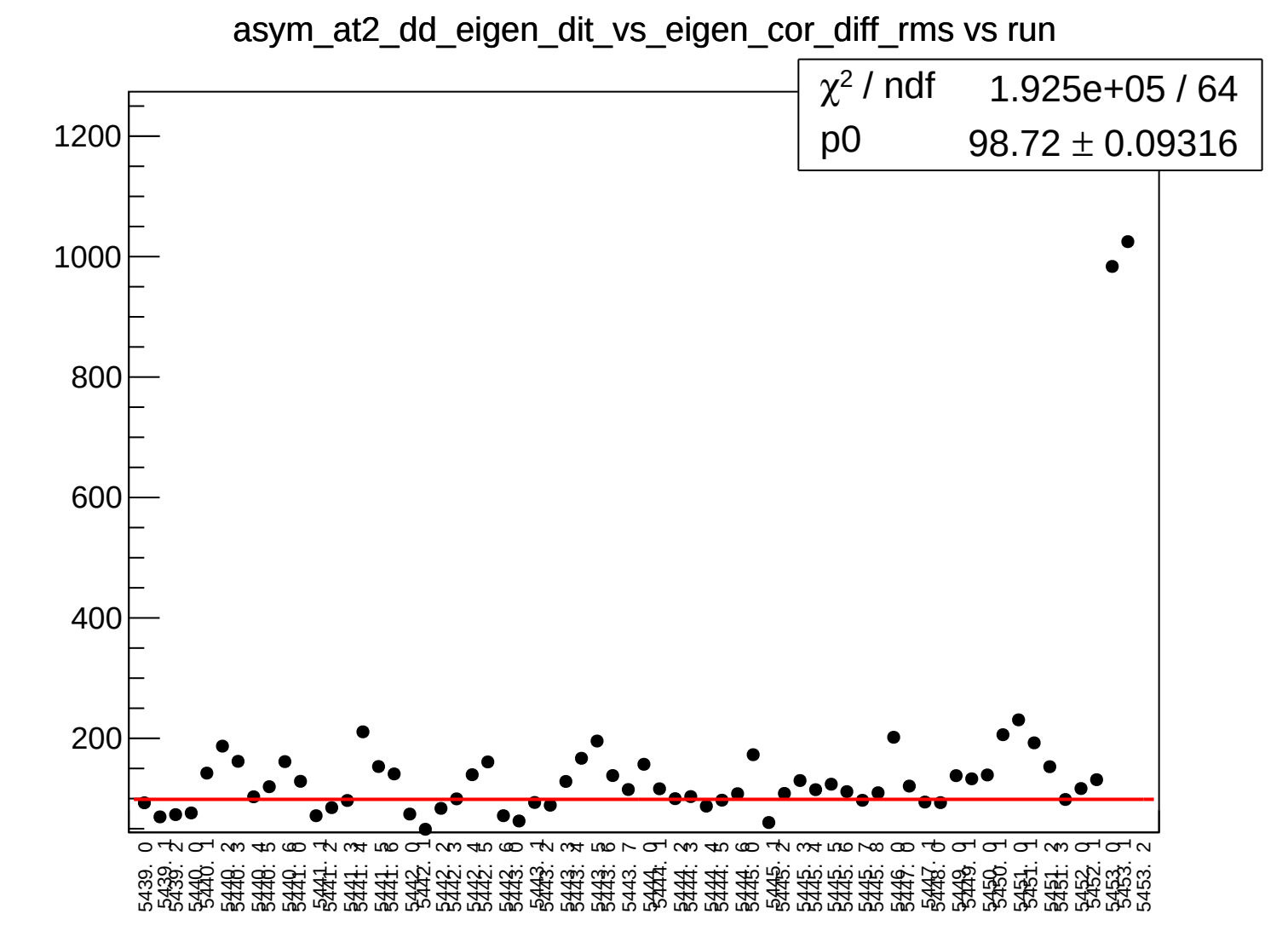

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.547e+05 / 64
p0 0.006188 ± 7.612e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

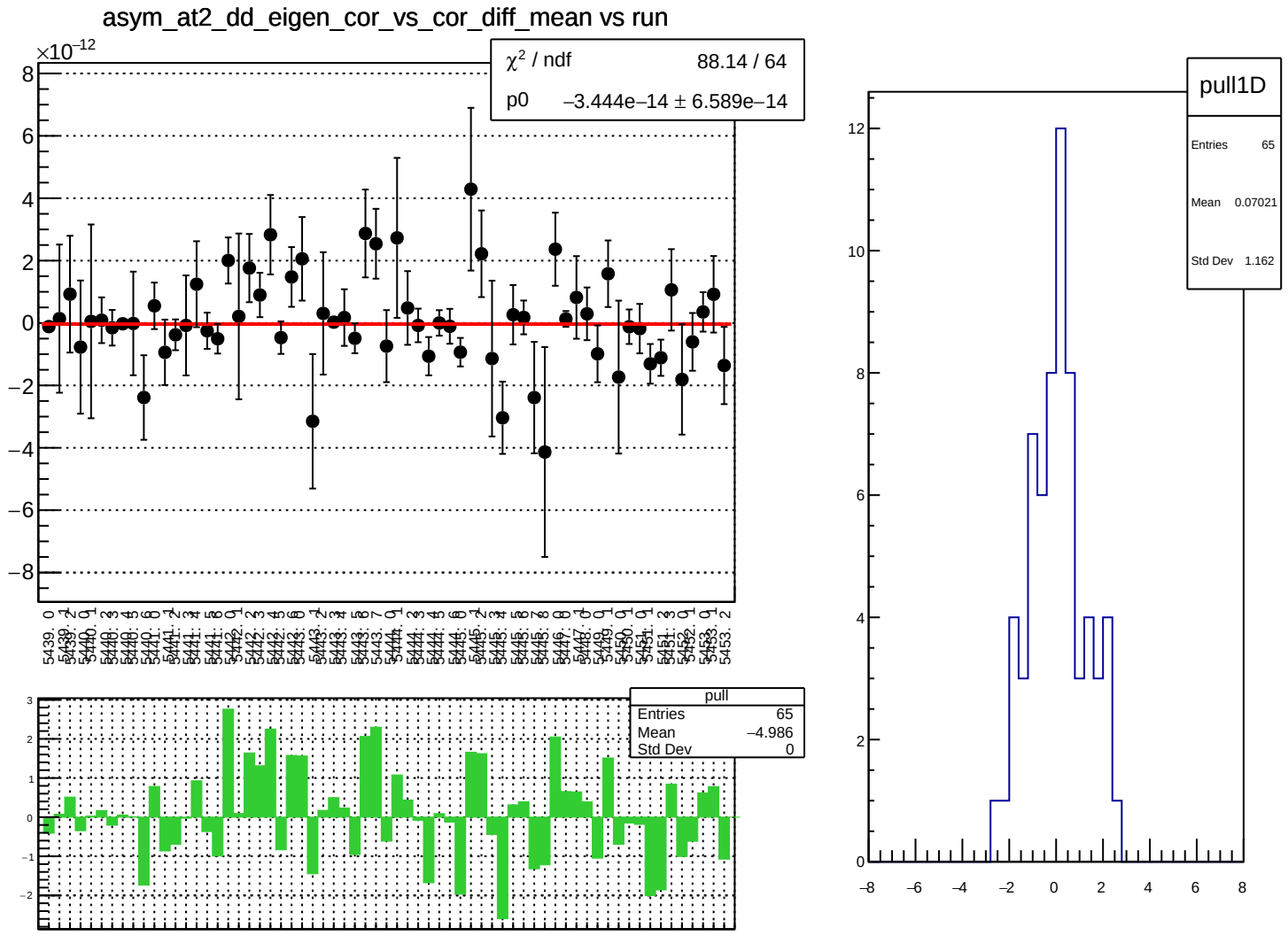

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.25 / 64
p0 0.006482 ± 0.1317
pull
Entries 65
Mean 91.34
Std Dev 0

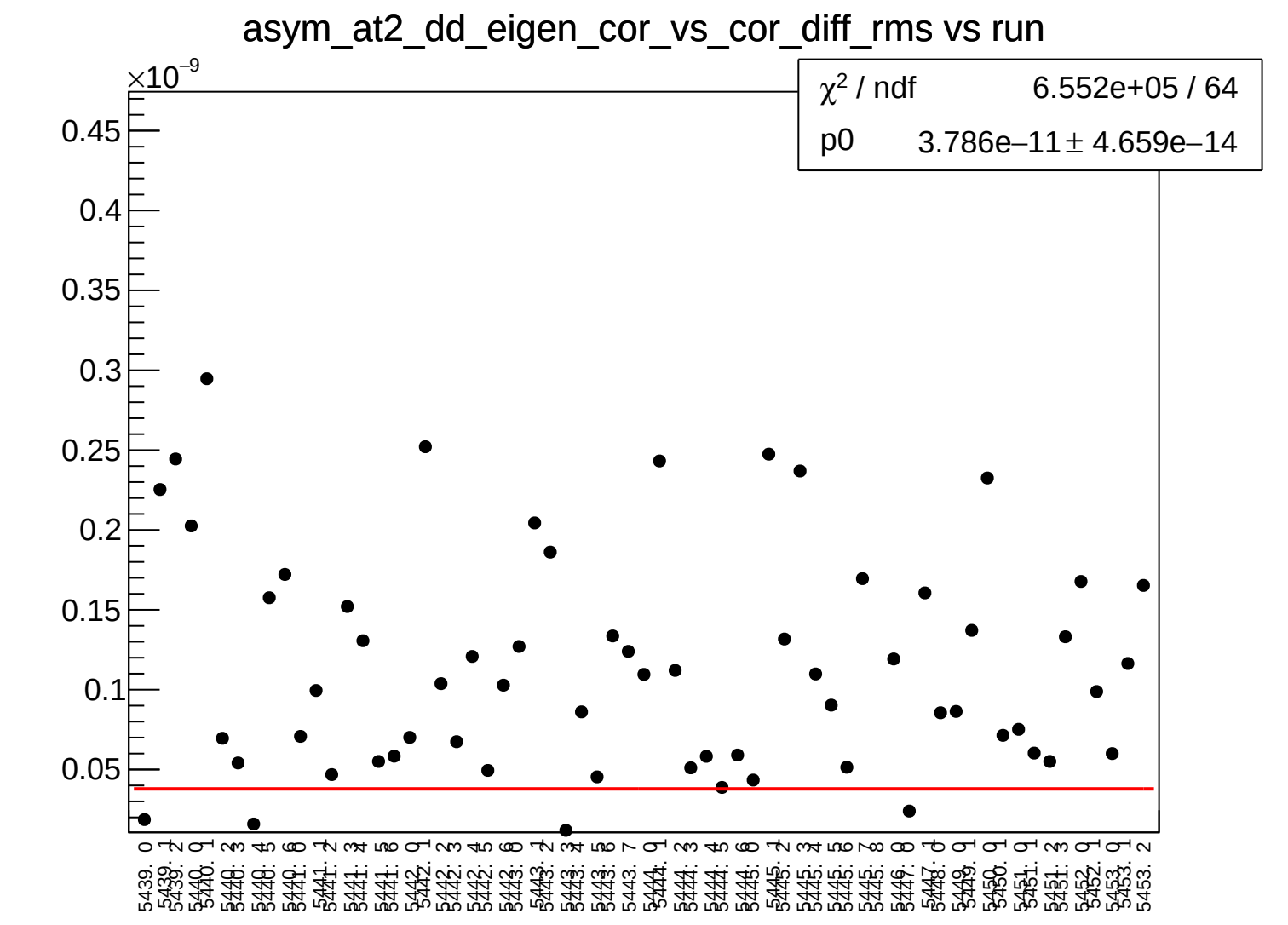

pull1D
Entries 65
Mean −0.03248
Std Dev 1.068

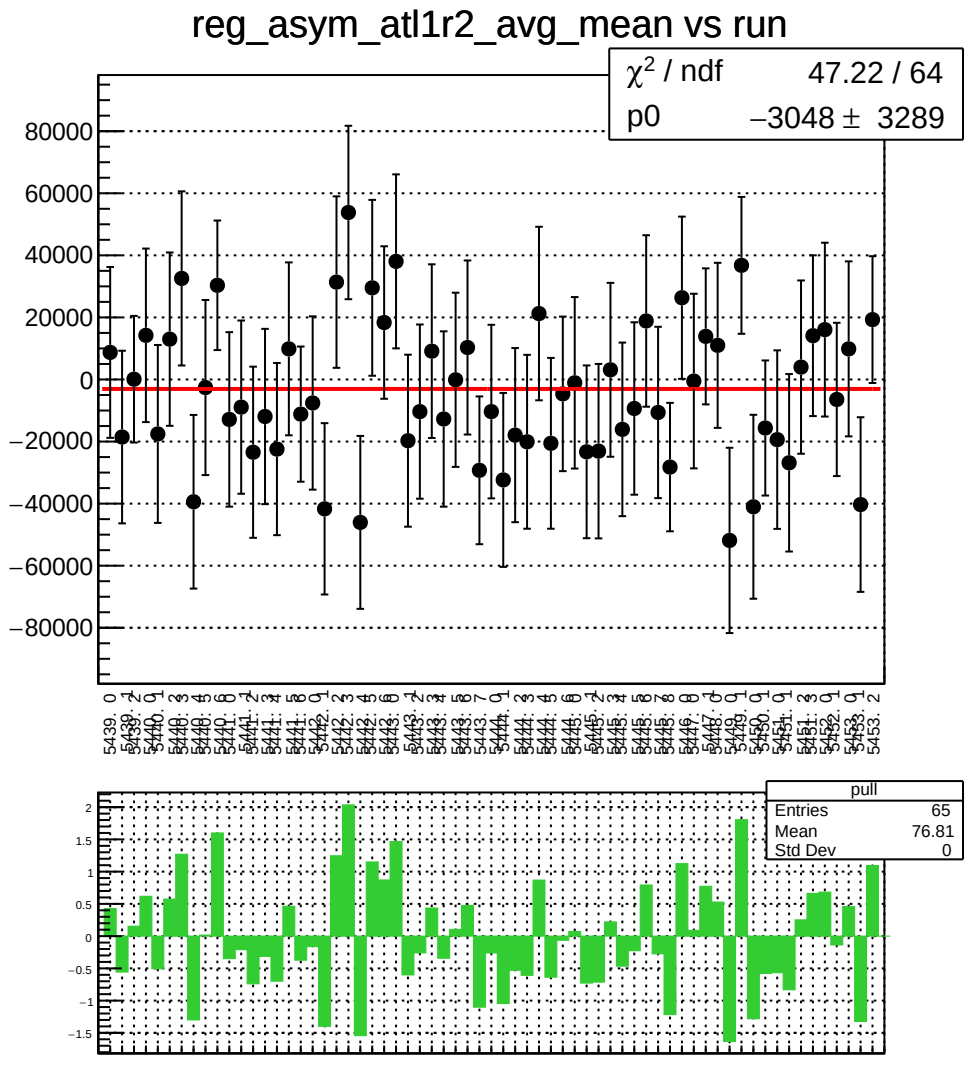

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.925e+05 / 64
p0 98.72 ± 0.09316
1200
1000
800
600
400
200

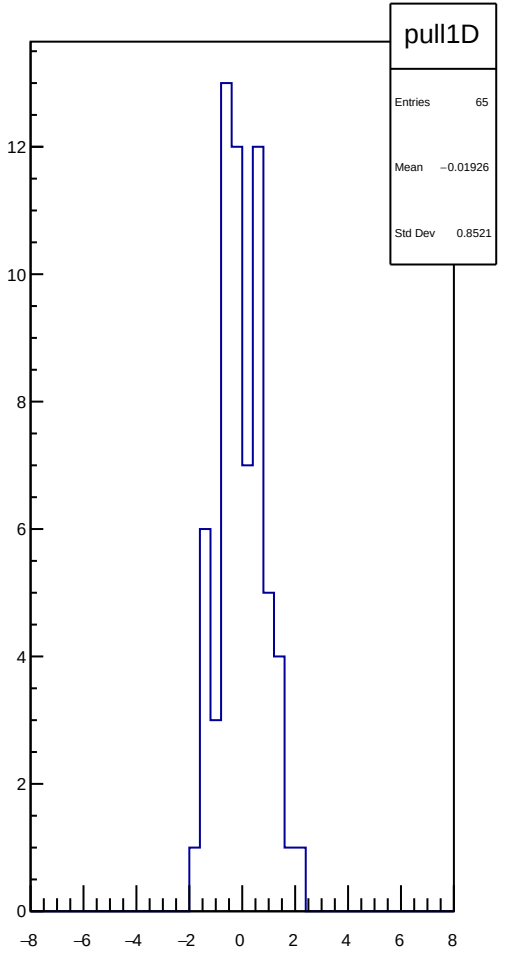

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.25 / 64
p0 0.006482 ± 0.1317
pull
Entries 65
Mean 91.34
Std Dev 0
pull1D
Entries 65
Mean −0.03248
Std Dev 1.068

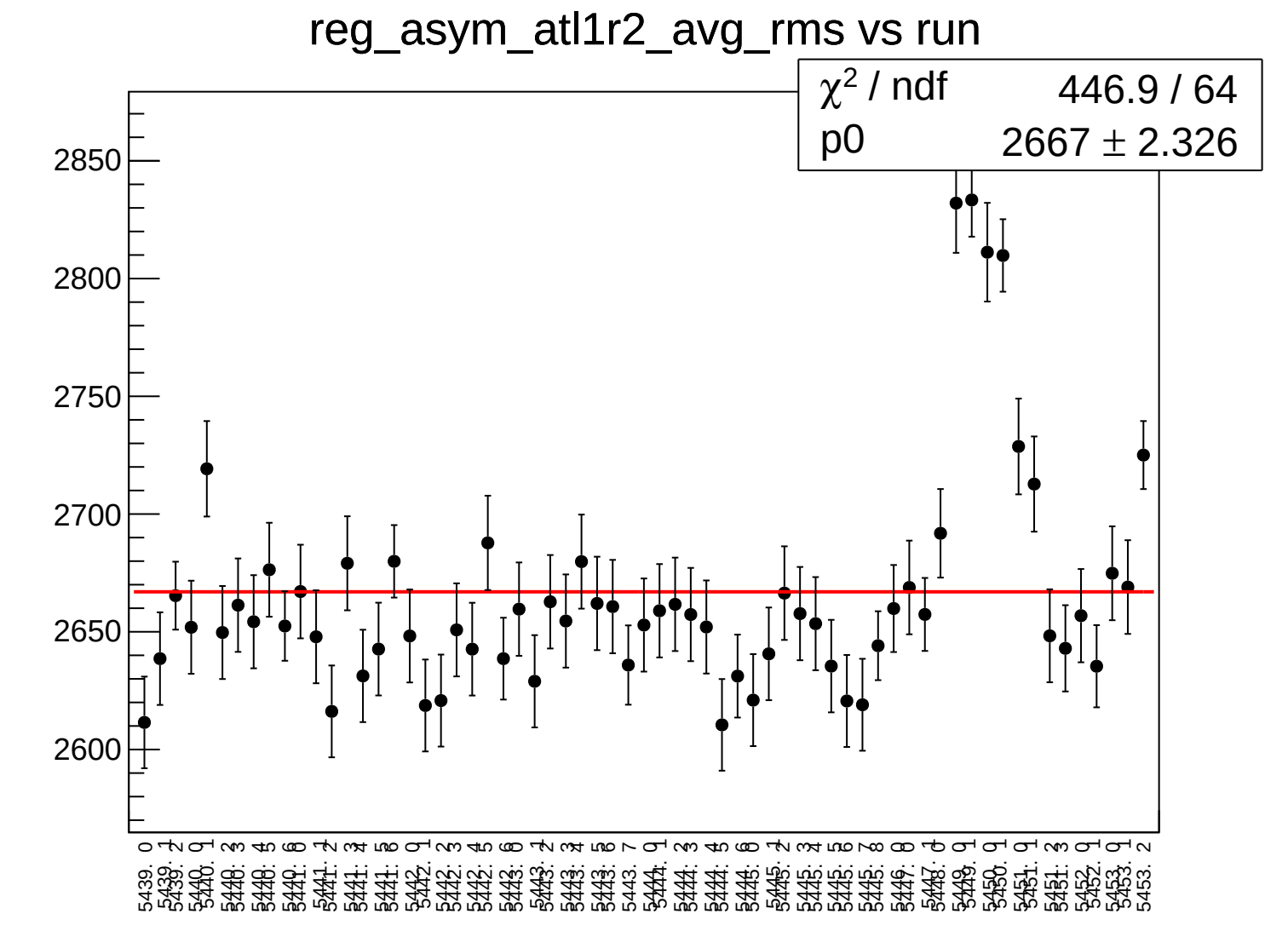

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.925e+05 / 64
p0 98.72 ± 0.09316
1200
1000
800
600
400
200

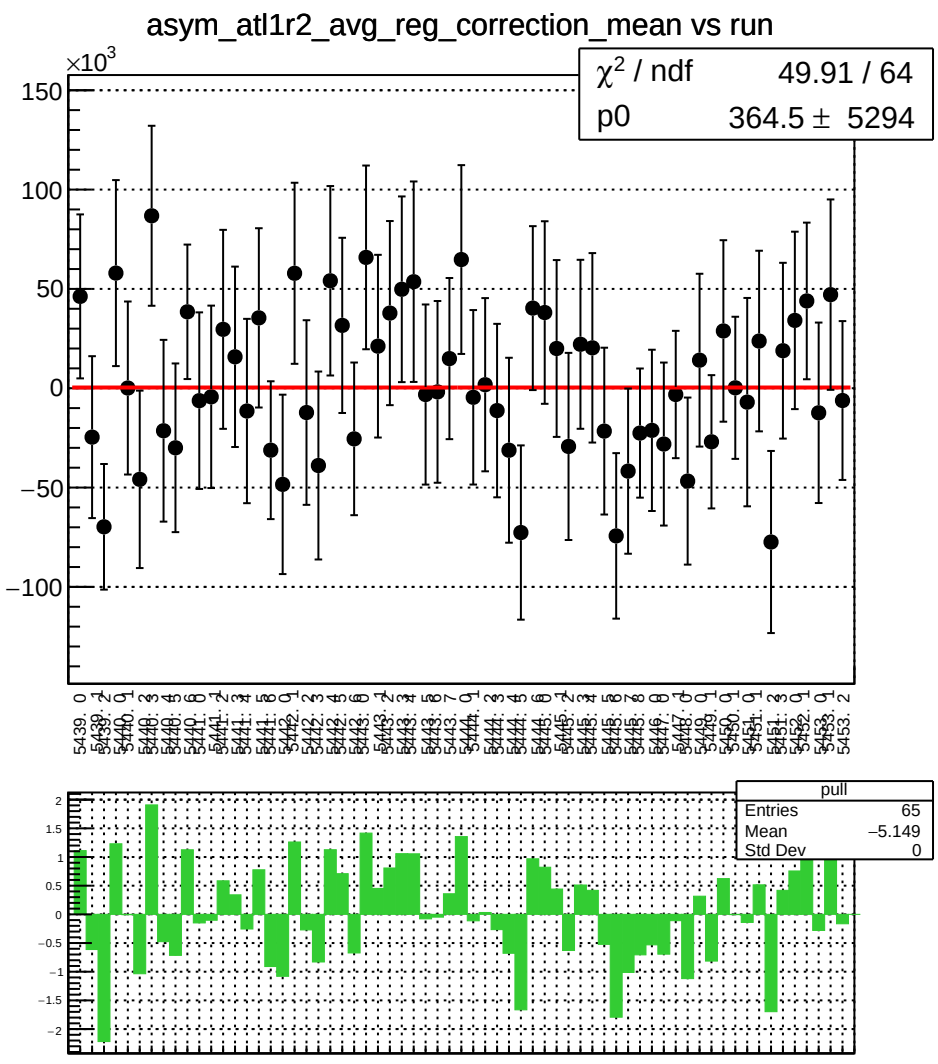

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.14 / 64
p0 −3.444e−14 ± 6.589e−14
pull
Entries 65
Mean −4.986
Std Dev 0
pull1D
Entries 65
Mean 0.07021
Std Dev 1.162

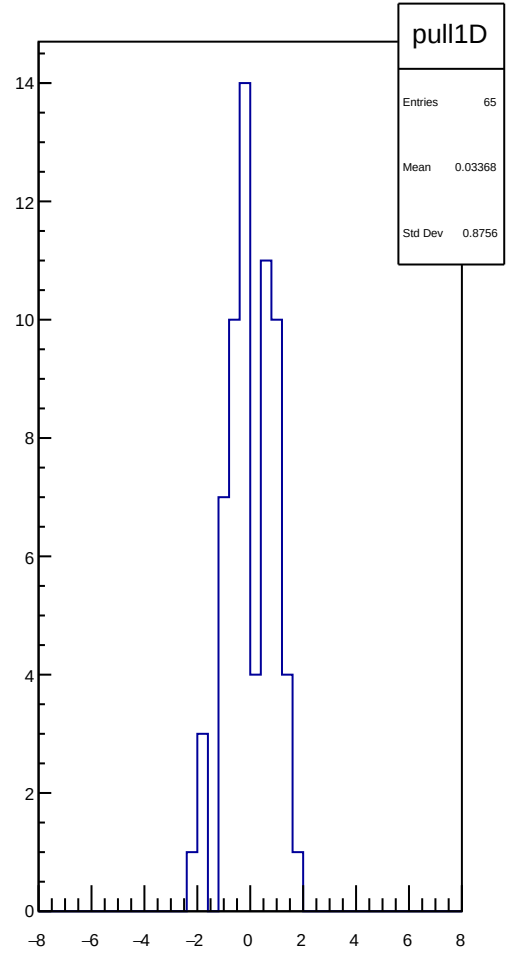

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.552e+05 / 64
p0 3.786e−11 ± 4.659e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

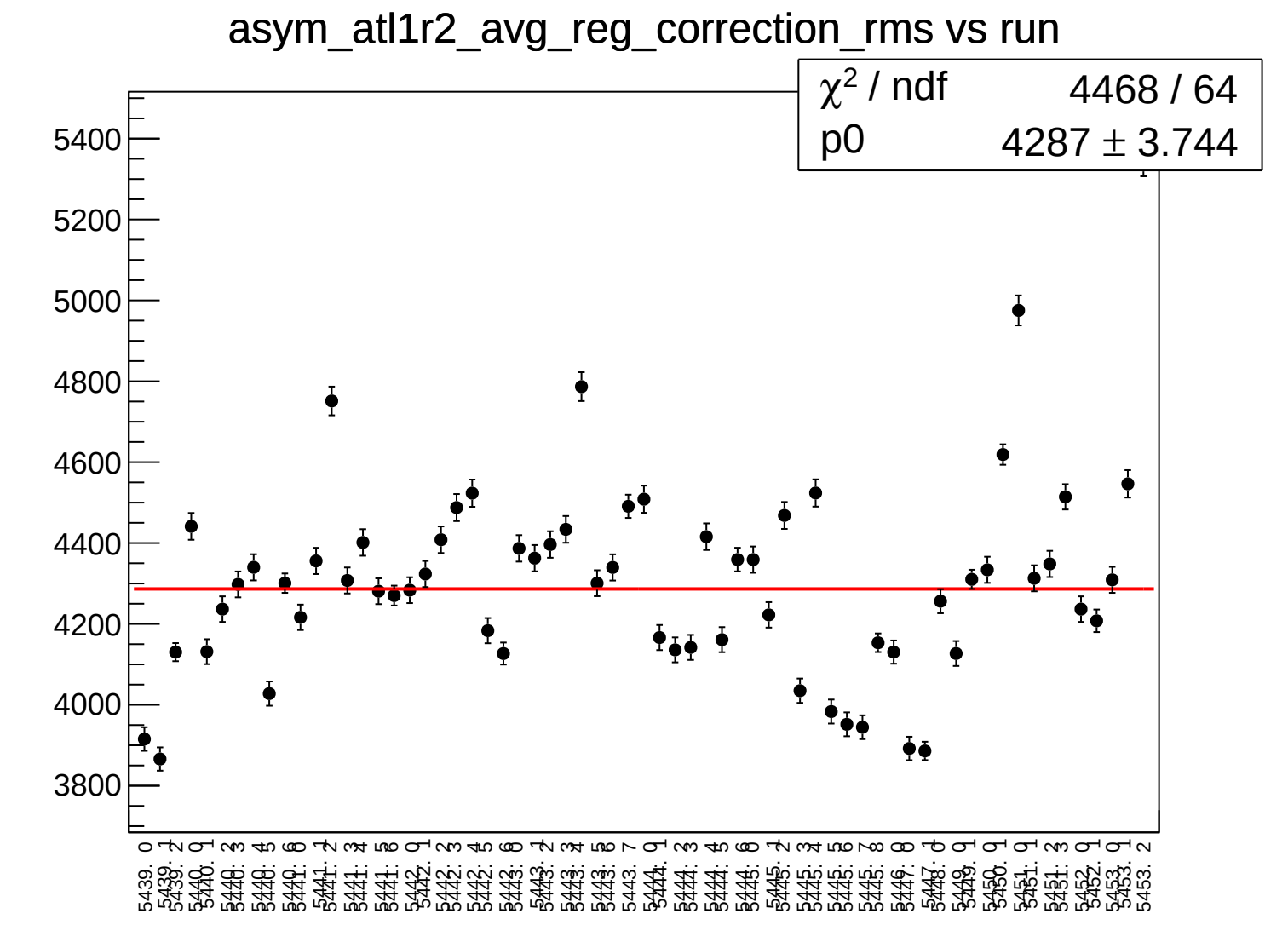

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 47.22 / 64
p0 −3048 ± 3289
pull
Entries 65
Mean 76.81
Std Dev 0

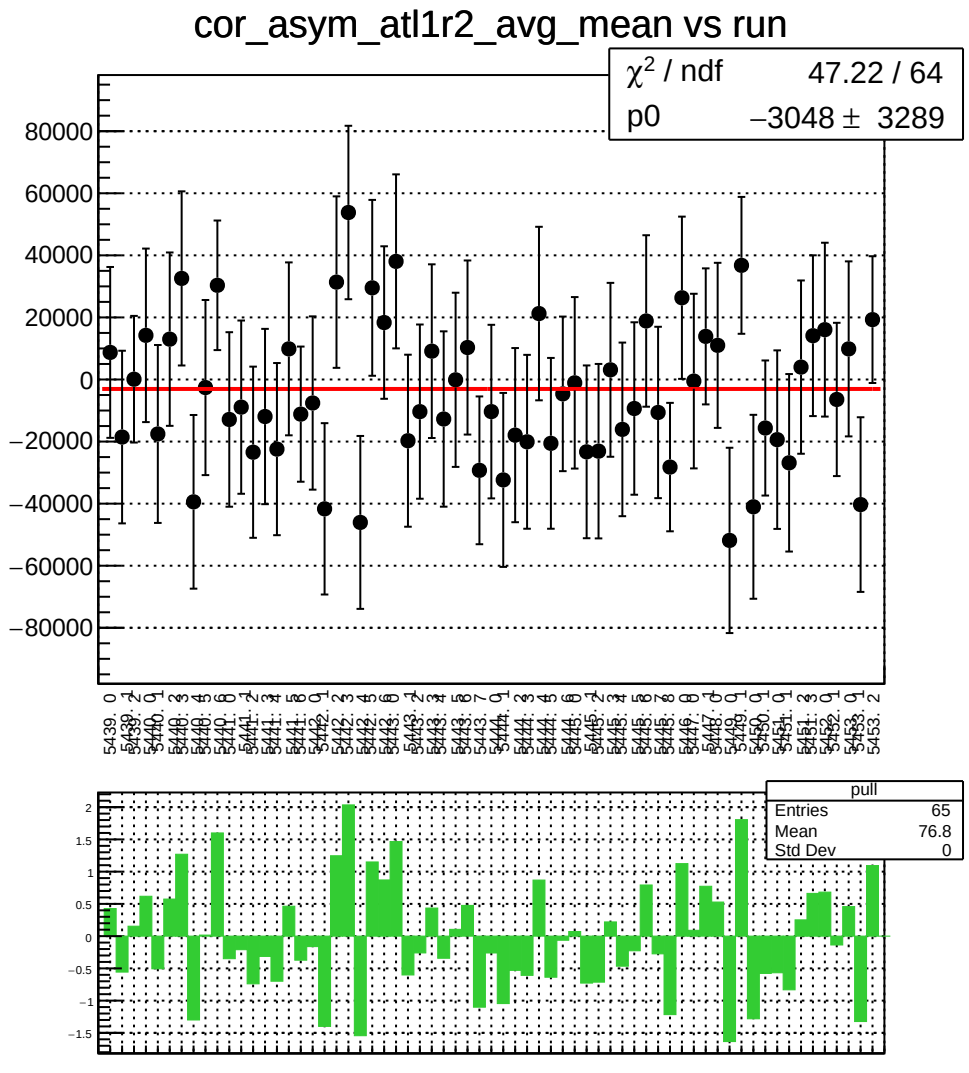

pull1D
Entries 65
Mean −0.01926
Std Dev 0.8521

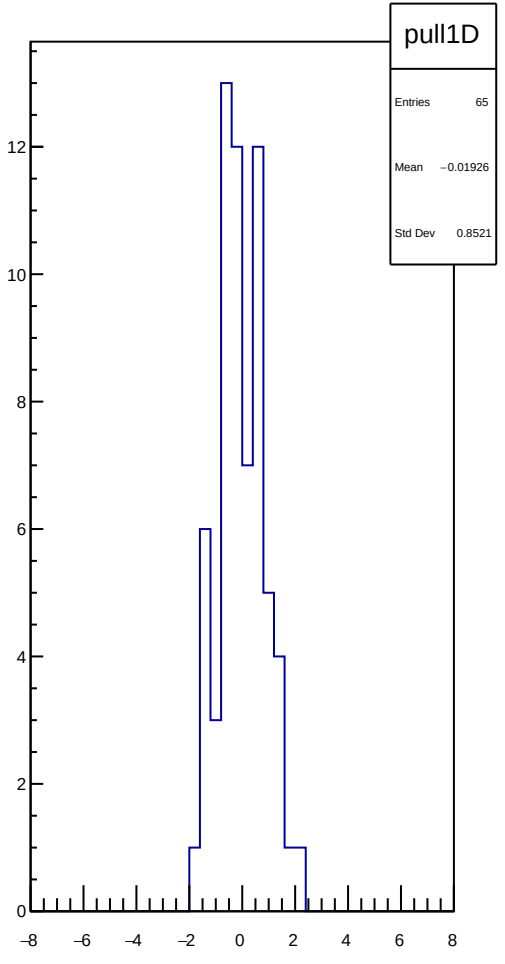

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 446.9 / 64
p0 2667 ± 2.326
2850
2800
2750
2700
2650
2600

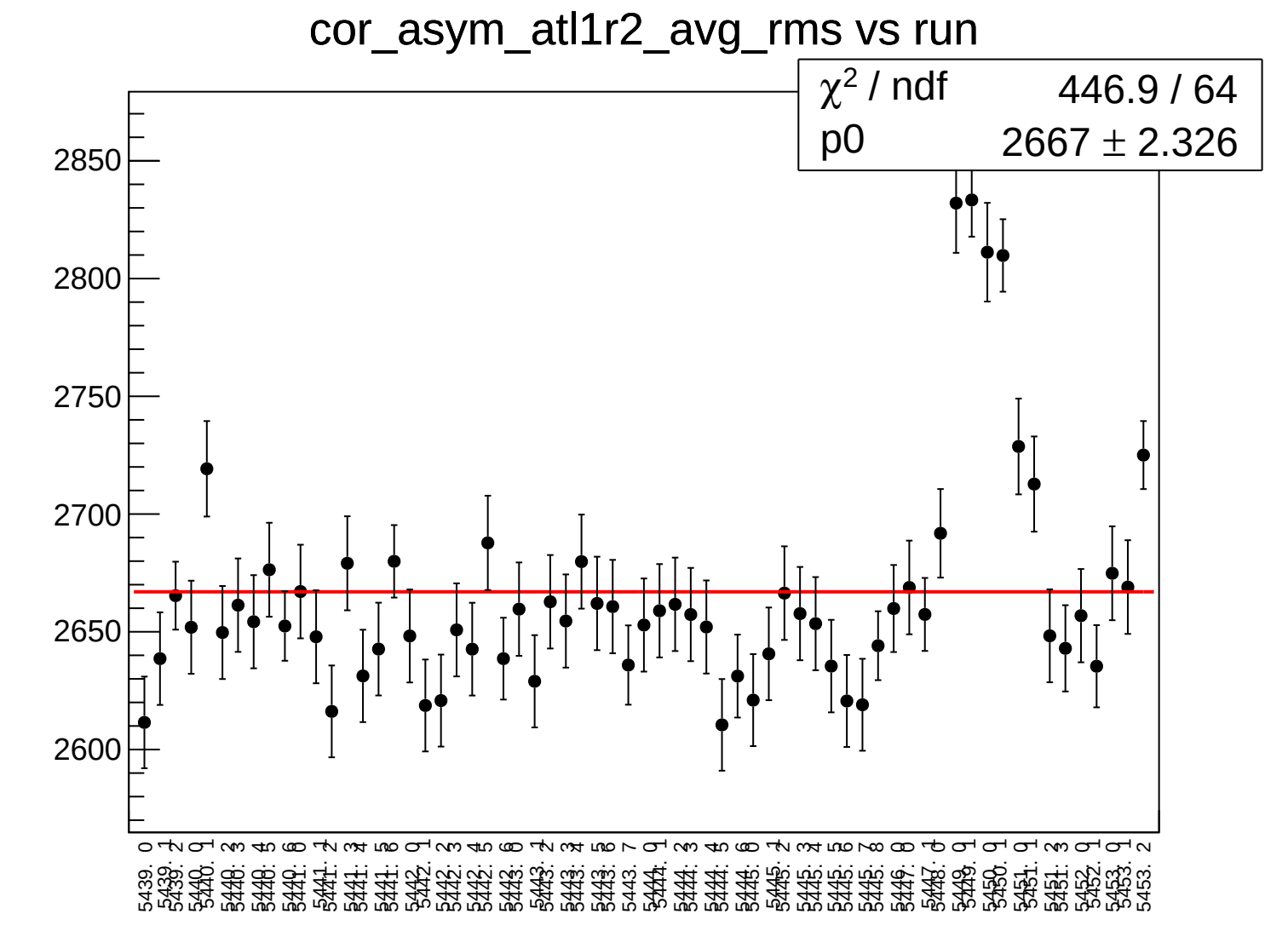

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.91 / 64
p0 364.5 ± 5294
150
100
50
0
−50
−100
pull
Entries 65
Mean −5.149
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

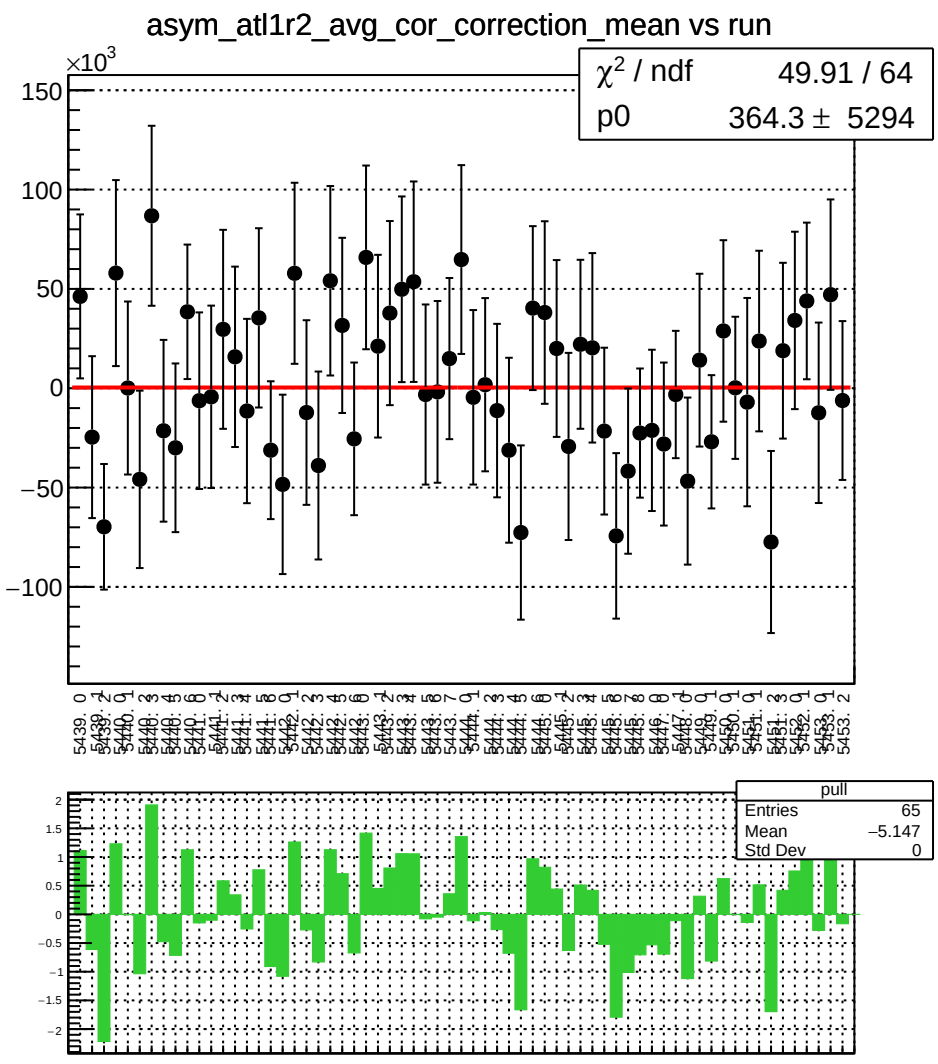

pull1D
Entries 65
Mean 0.03368
Std Dev 0.8756
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

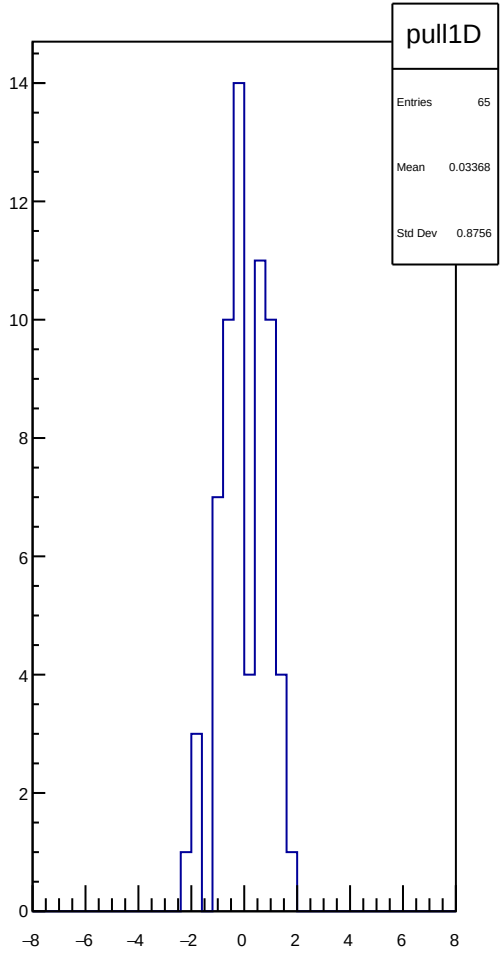

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 4468 / 64
p0 4287 ± 3.744
5400
5200
5000
4800
4600
4400
4200
4000
3800

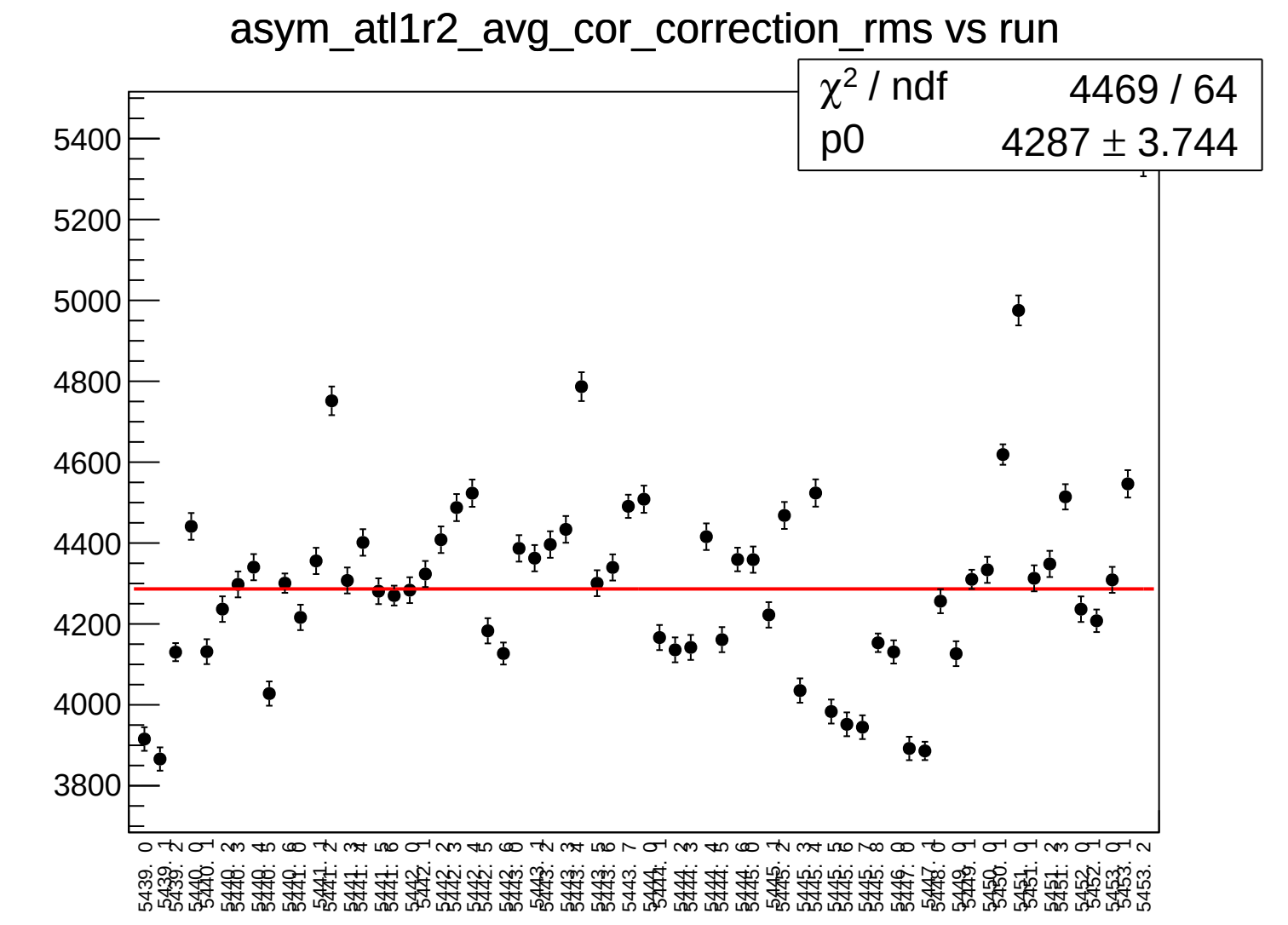

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 47.22 / 64
p0 −3048 ± 3289
pull
Entries 65
Mean 76.8
Std Dev 0

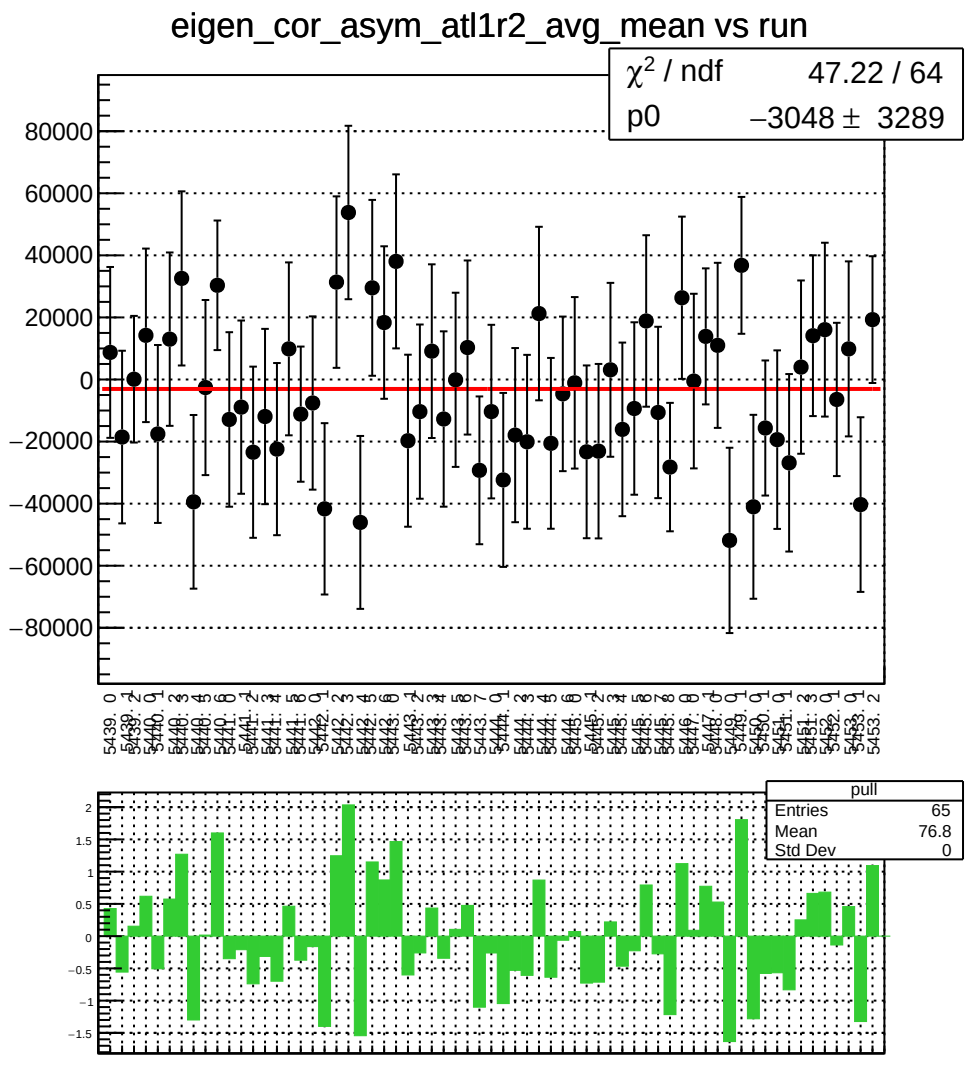

pull1D
Entries 65
Mean −0.01926
Std Dev 0.8521

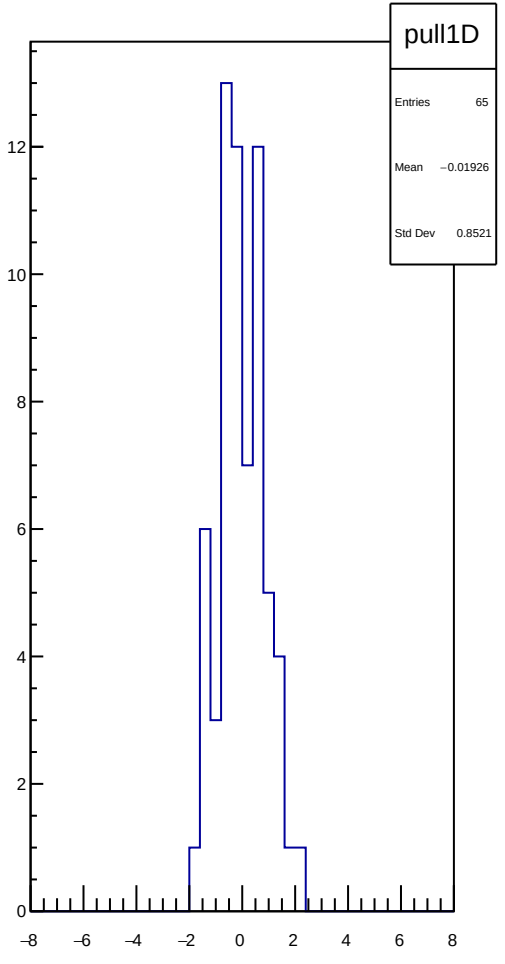

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 446.9 / 64
p0 2667 ± 2.326
2850
2800
2750
2700
2650
2600

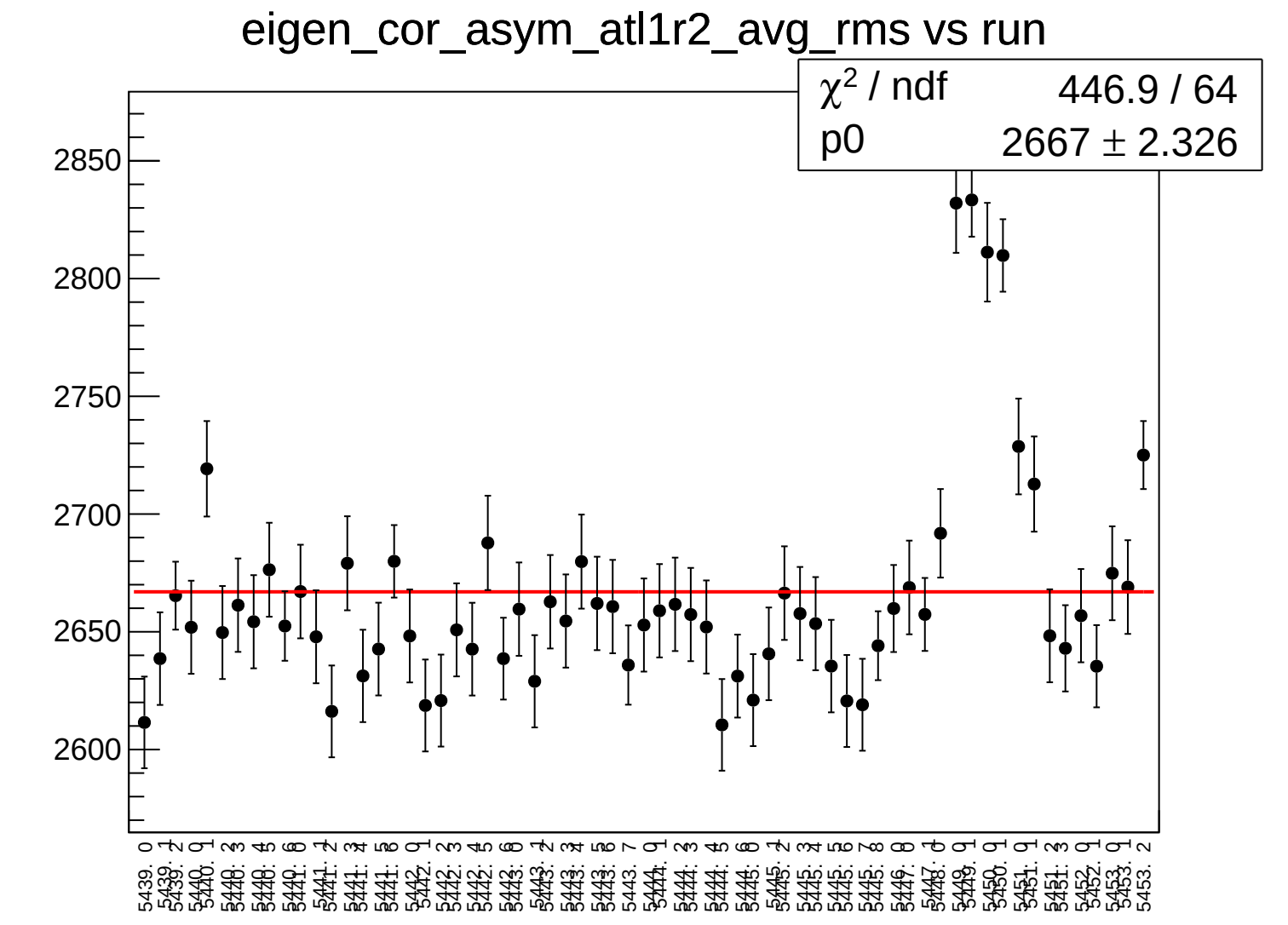

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.91 / 64
p0 364.3 ± 5294
150
100
50
0
−50
−100
pull
Entries 65
Mean −5.147
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

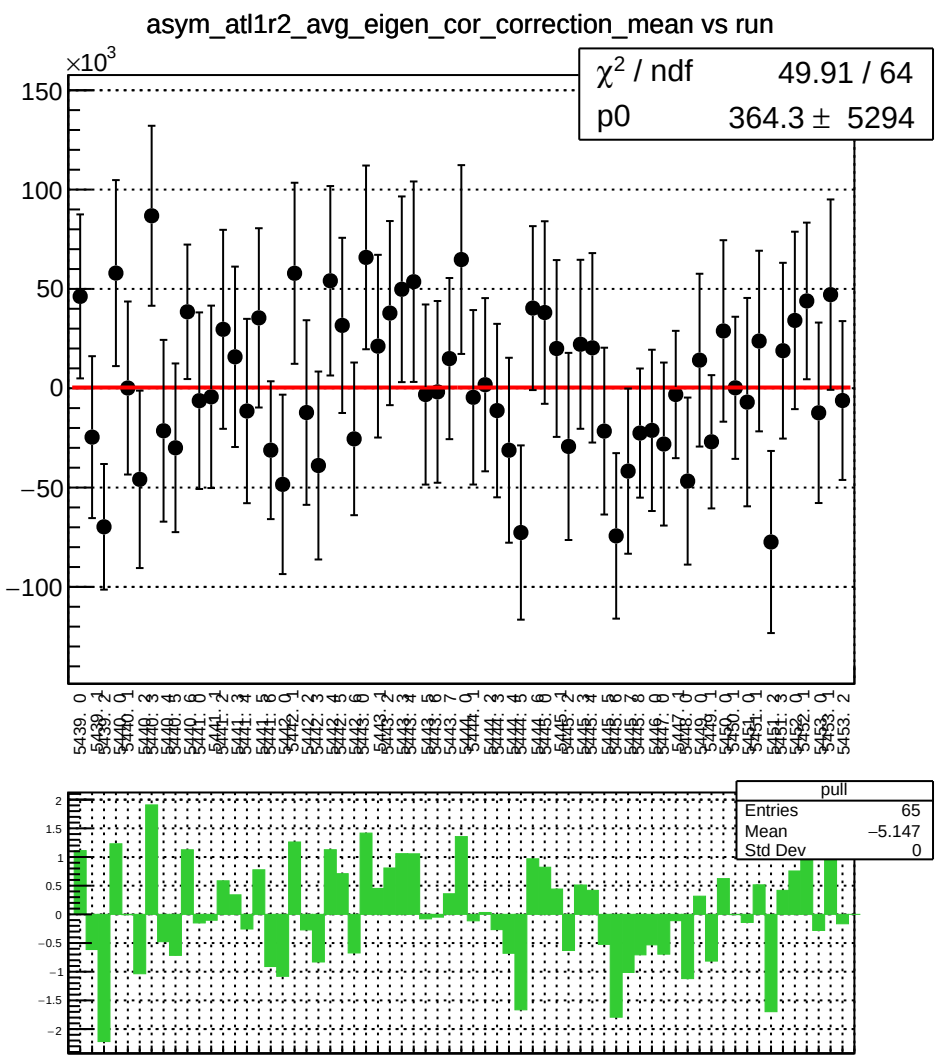

pull1D
Entries 65
Mean 0.03368
Std Dev 0.8756
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

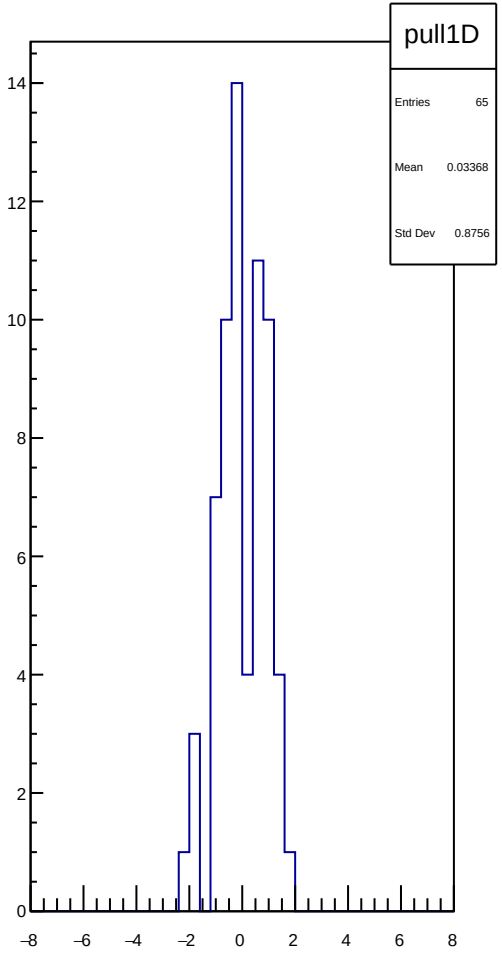

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 4469 / 64
p0 4287 ± 3.744
5400
5200
5000
4800
4600
4400
4200
4000
3800

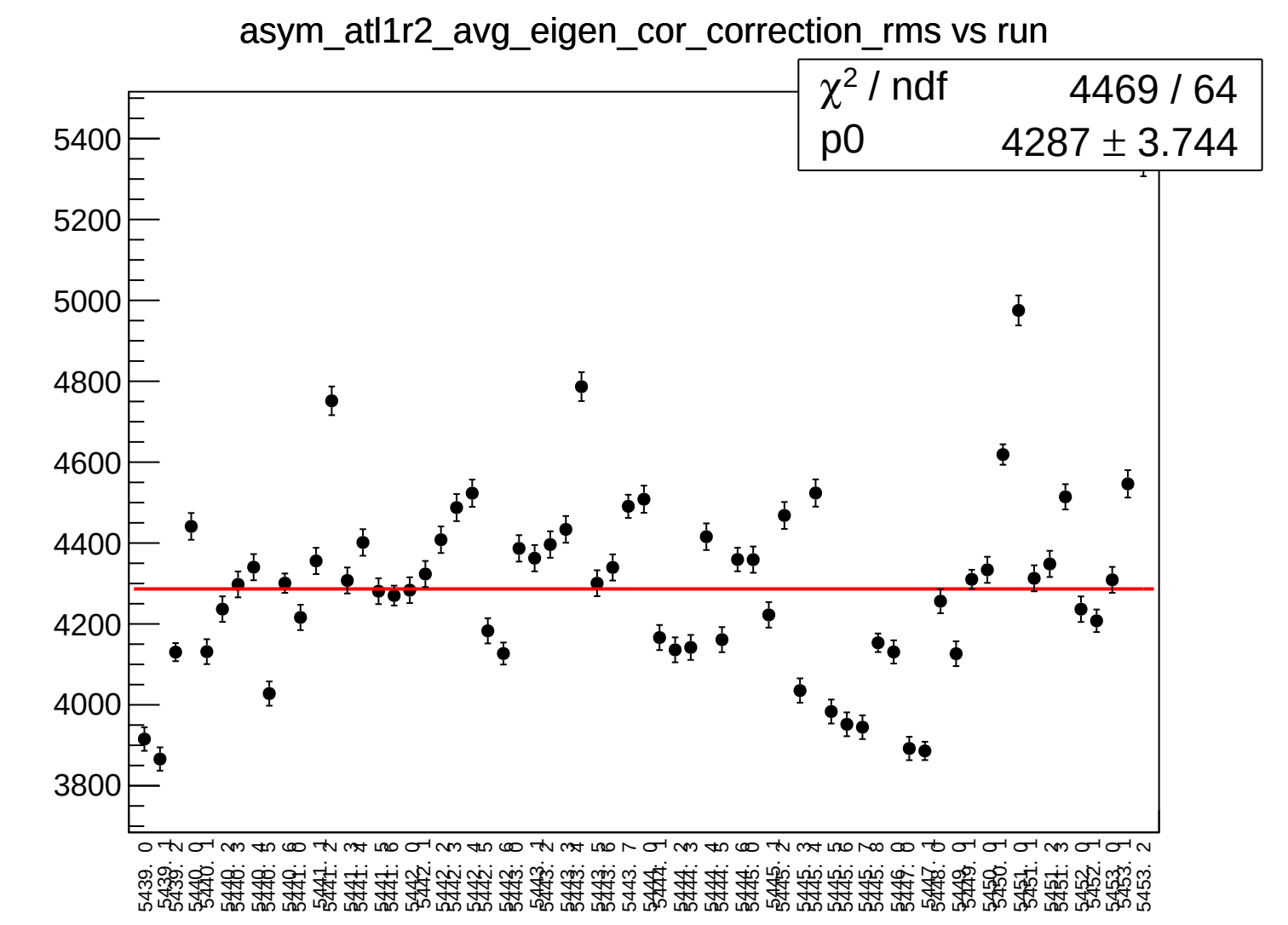

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 47.22 / 64
p0 −3048 ± 3289
pull
Entries 65
Mean 76.8
Std Dev 0

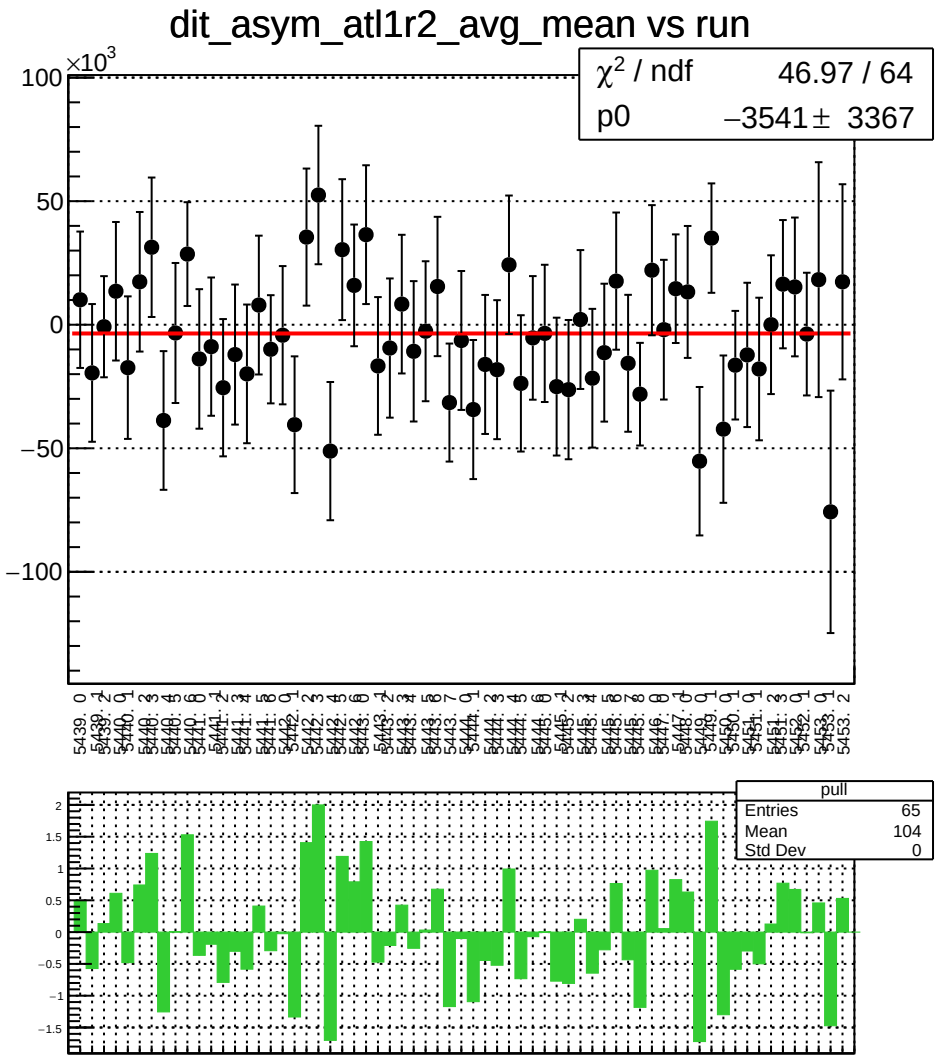

pull1D
Entries 65
Mean −0.01926
Std Dev 0.8521

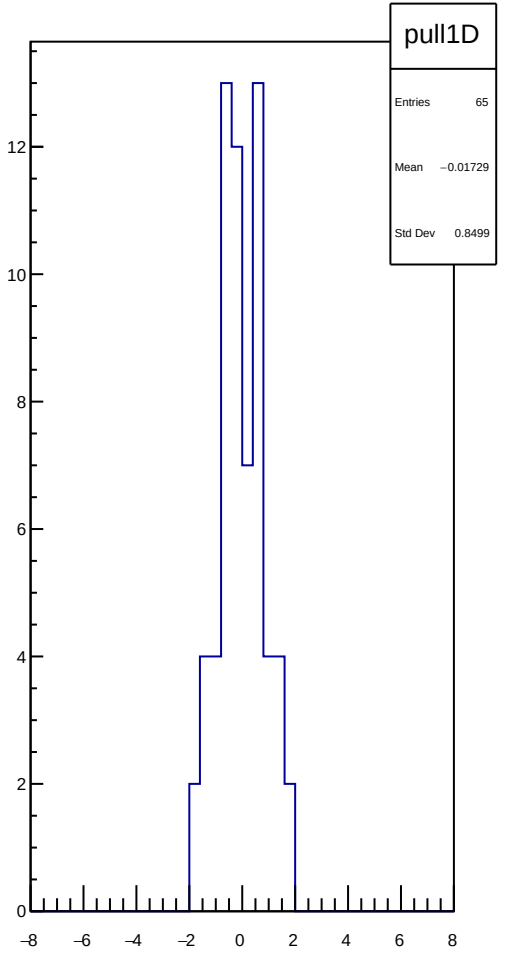

eigen_cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 446.9 / 64
p0 2667 ± 2.326
2850
2800
2750
2700
2650
2600

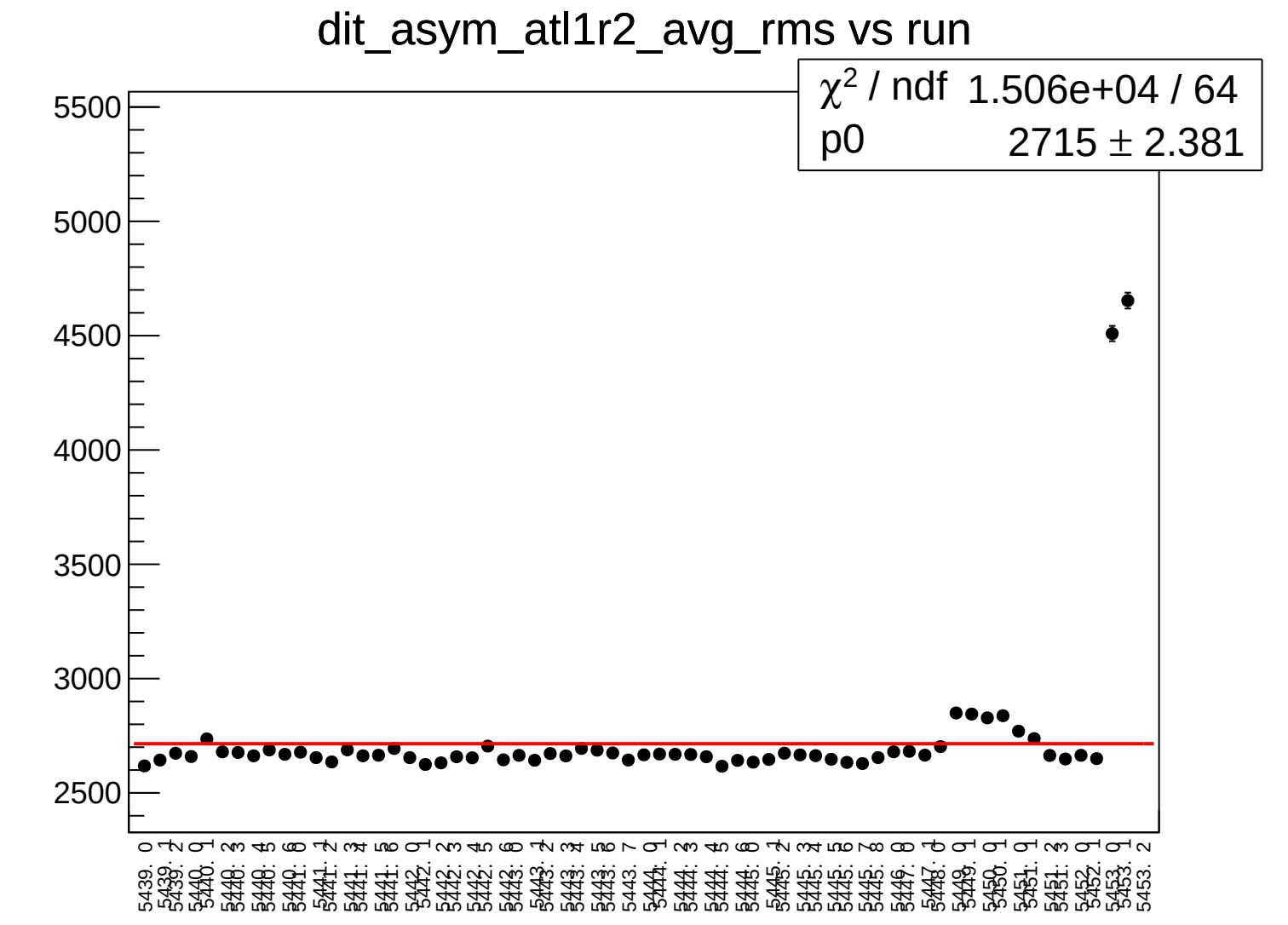

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.91 / 64
p0 364.3 ± 5294
150
100
50
0
−50
−100
pull
Entries 65
Mean −5.147
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

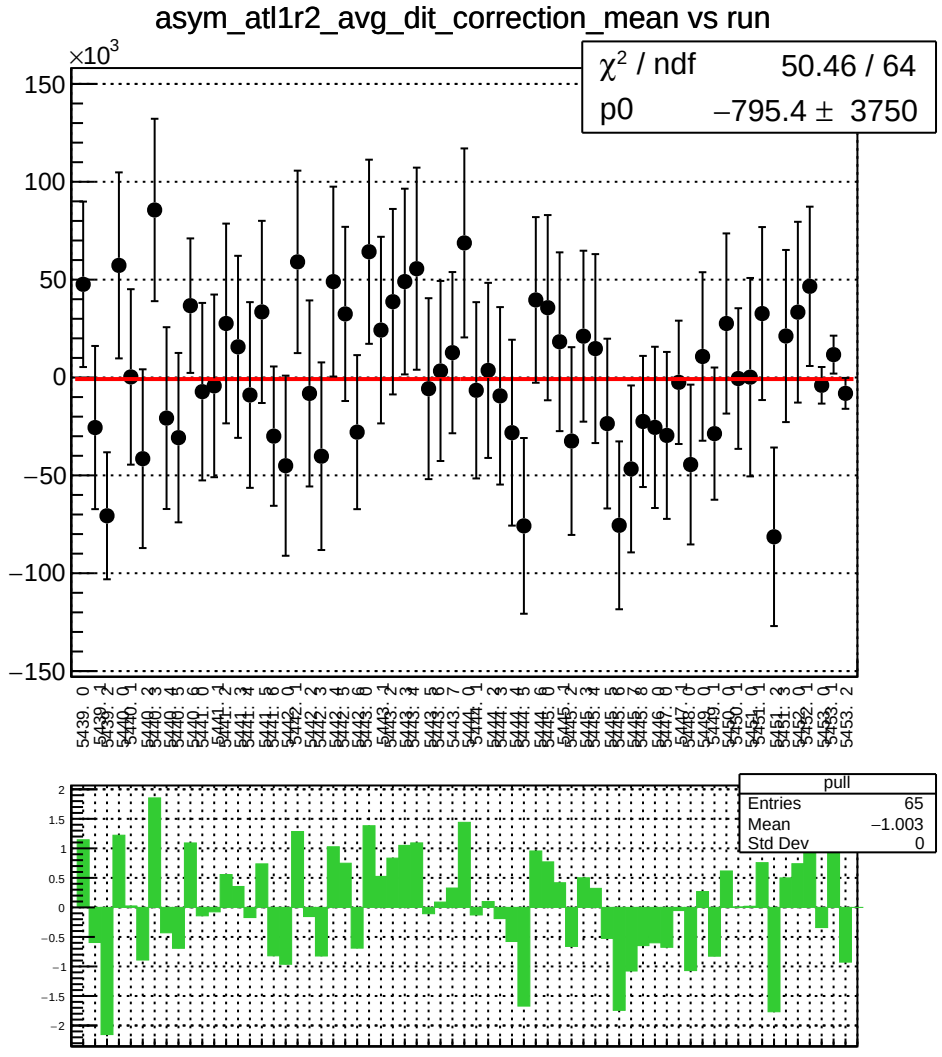

pull1D
Entries 65
Mean 0.03368
Std Dev 0.8756
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

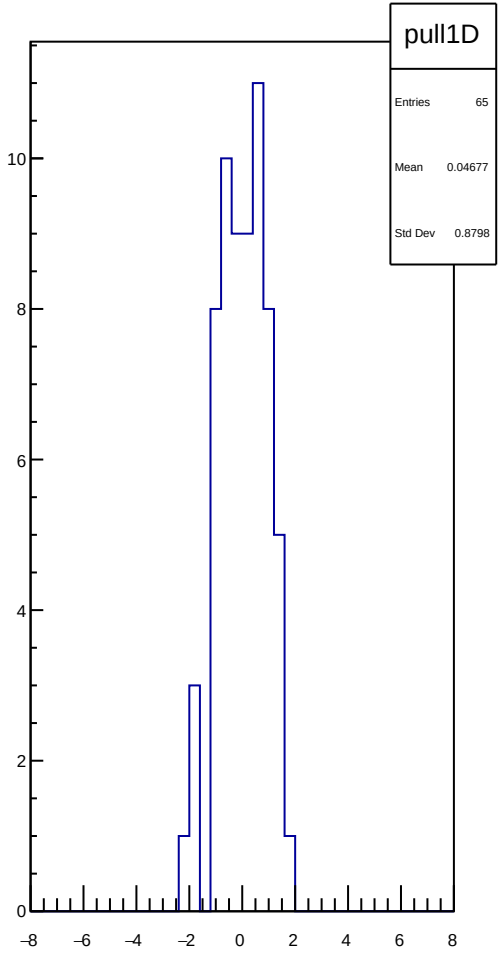

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4469 / 64
p0 4287 ± 3.744
5400
5200
5000
4800
4600
4400
4200
4000
3800

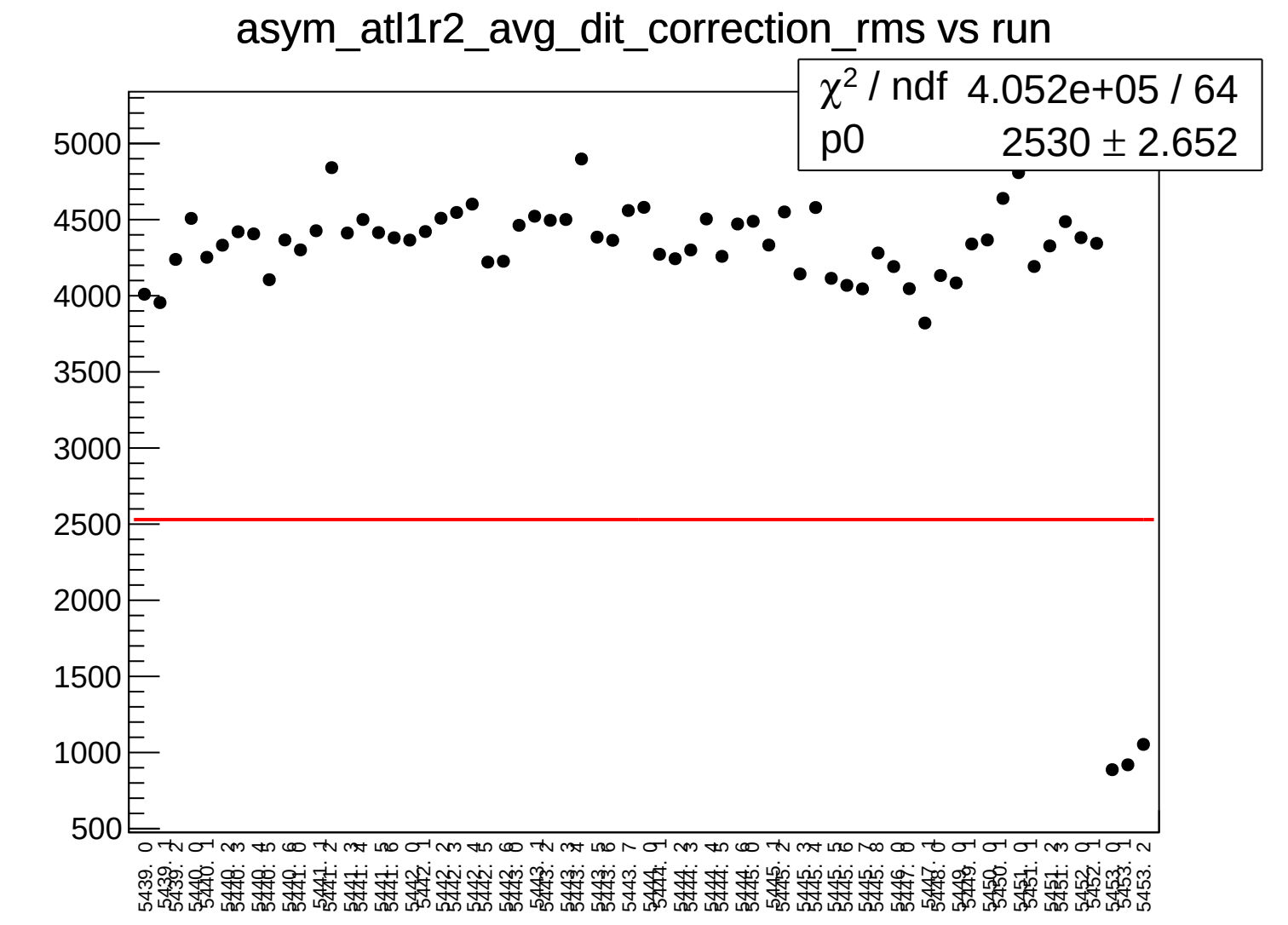

dit_asym_atl1r2_avg_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 46.97 / 64
p0 −3541 ± 3367
pull
Entries 65
Mean 104
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

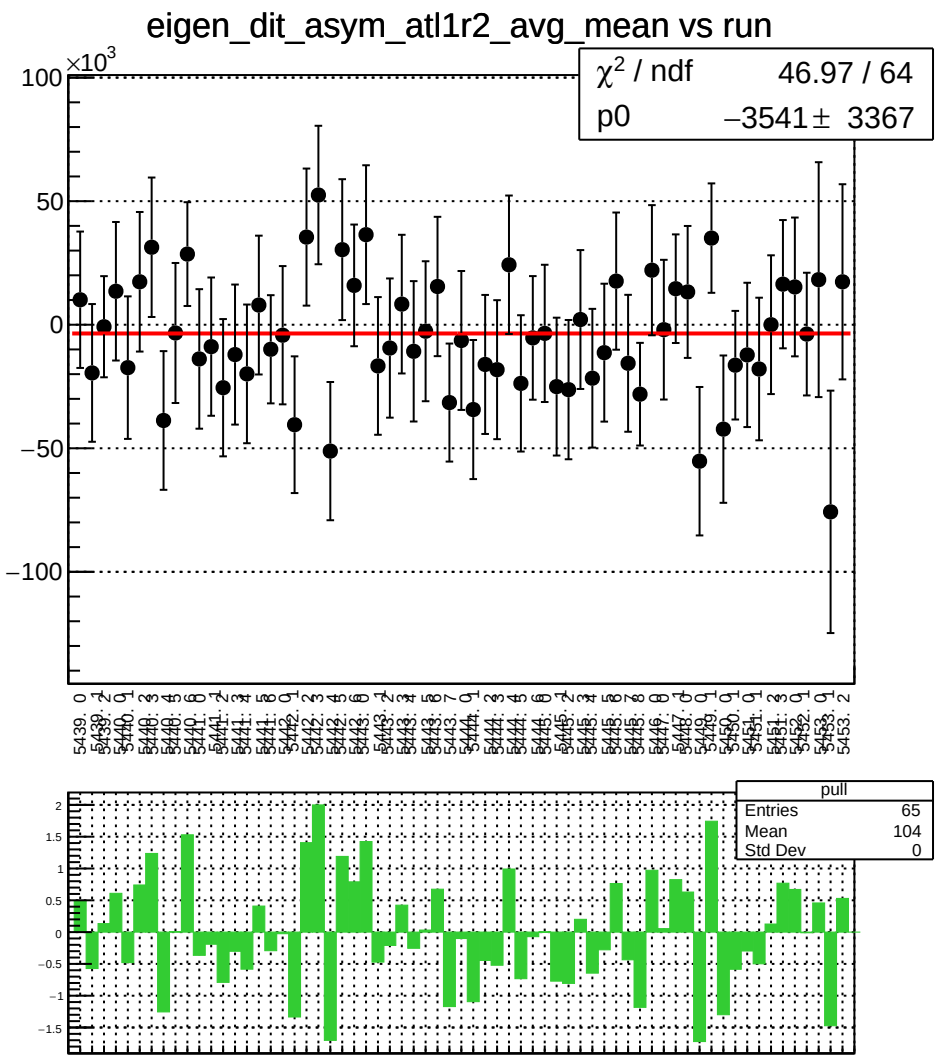

pull1D
Entries 65
Mean −0.01729
Std Dev 0.8499
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

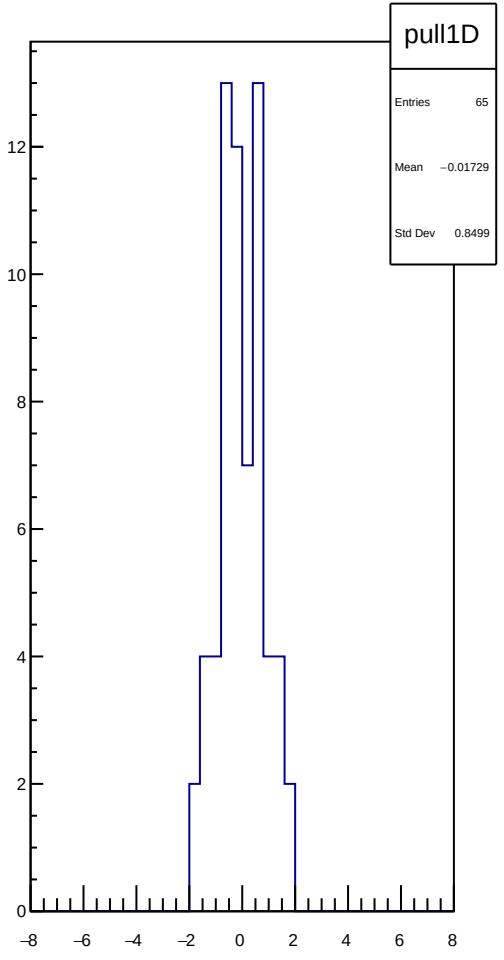

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 1.506e+04 / 64
p0 2715 ± 2.381
5500
5000
4500
4000
3500
3000
2500

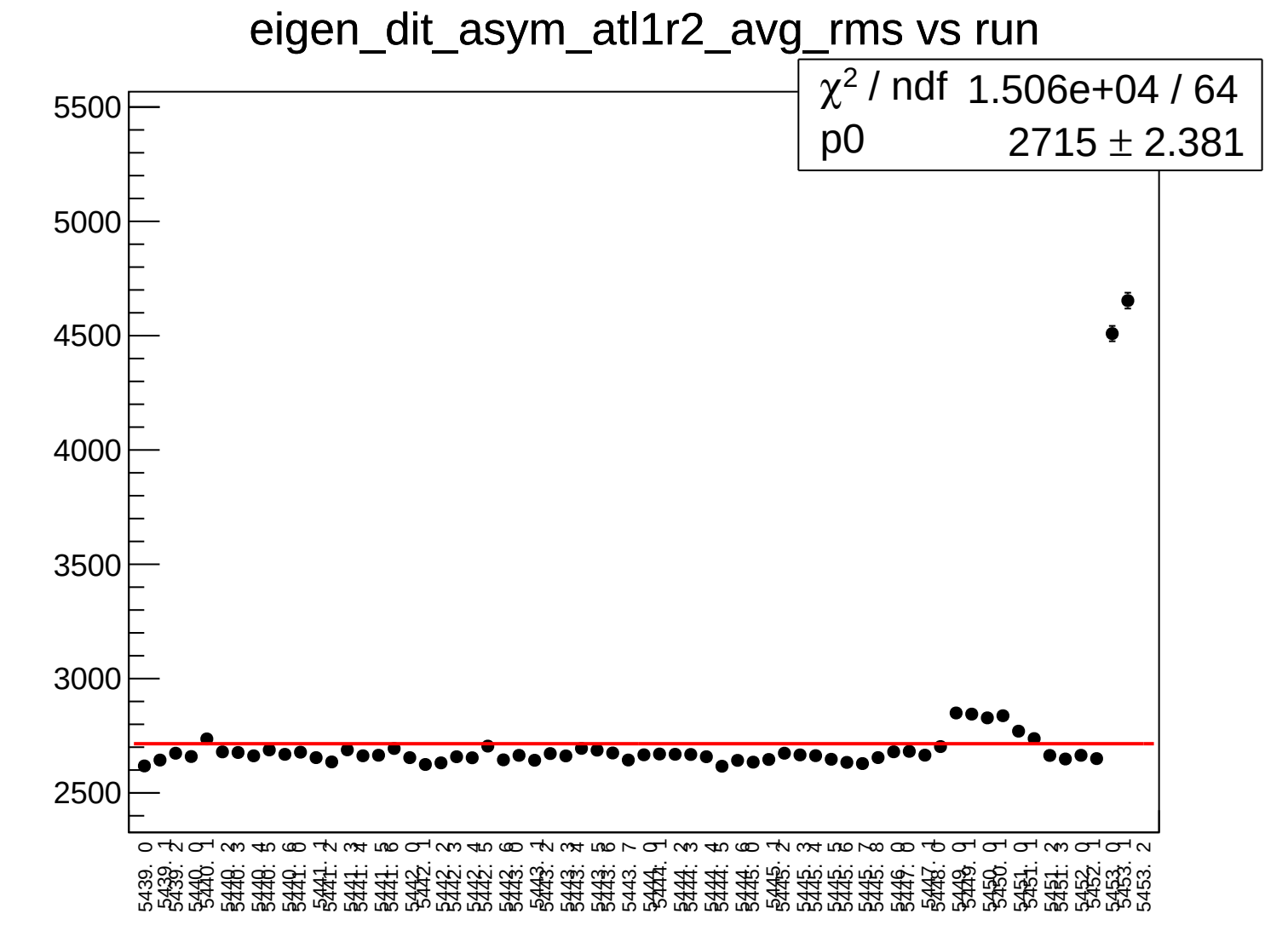

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 50.46 / 64
p0 −795.4 ± 3750
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −1.003
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

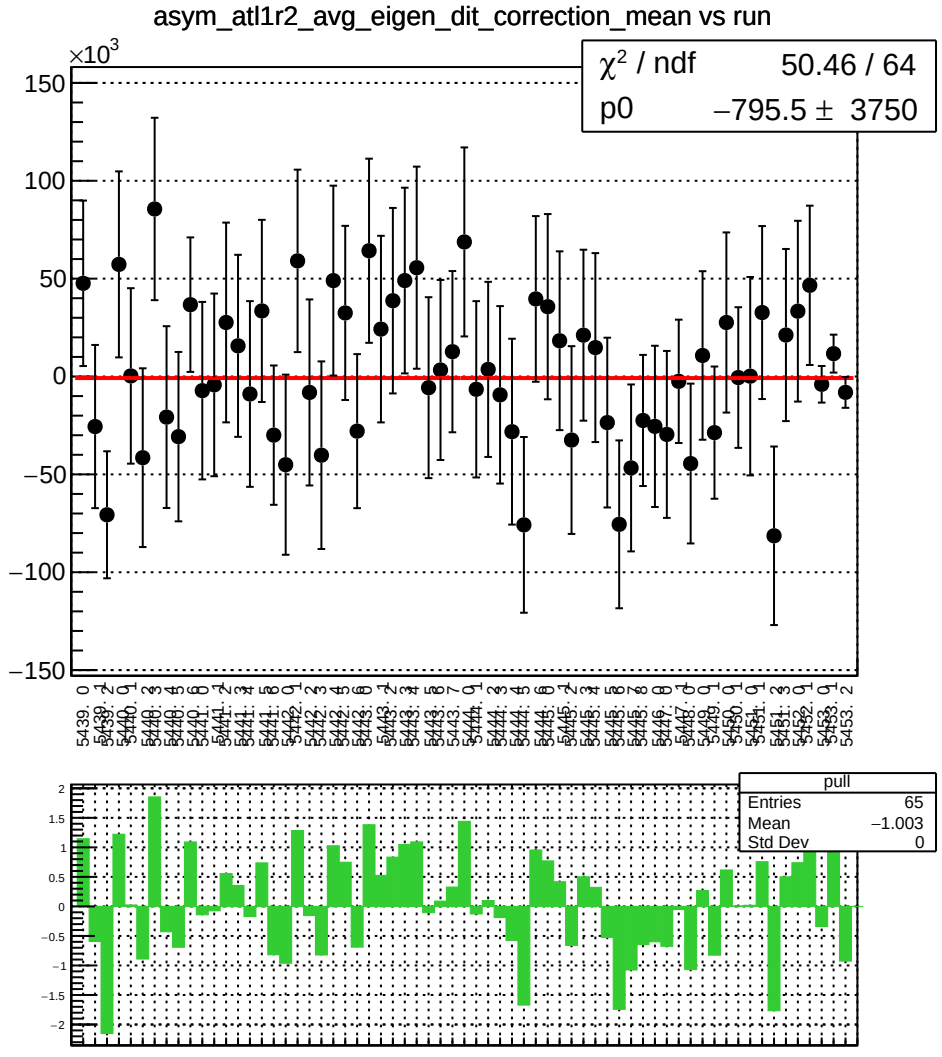

pull1D
Entries 65
Mean 0.04677
Std Dev 0.8798
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

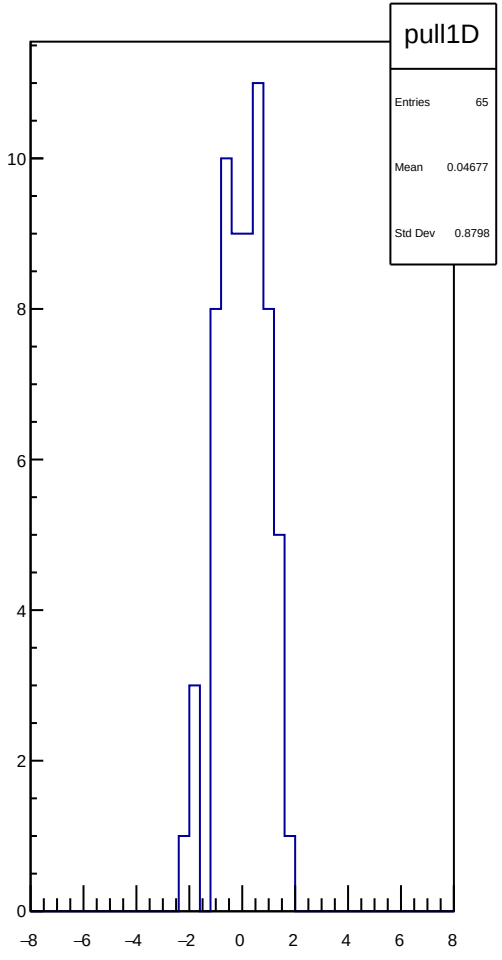

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 4.052e+05 / 64
p0 2530 ± 2.652
5000
4500
4000
3500
3000
2500
2000
1500
1000
500

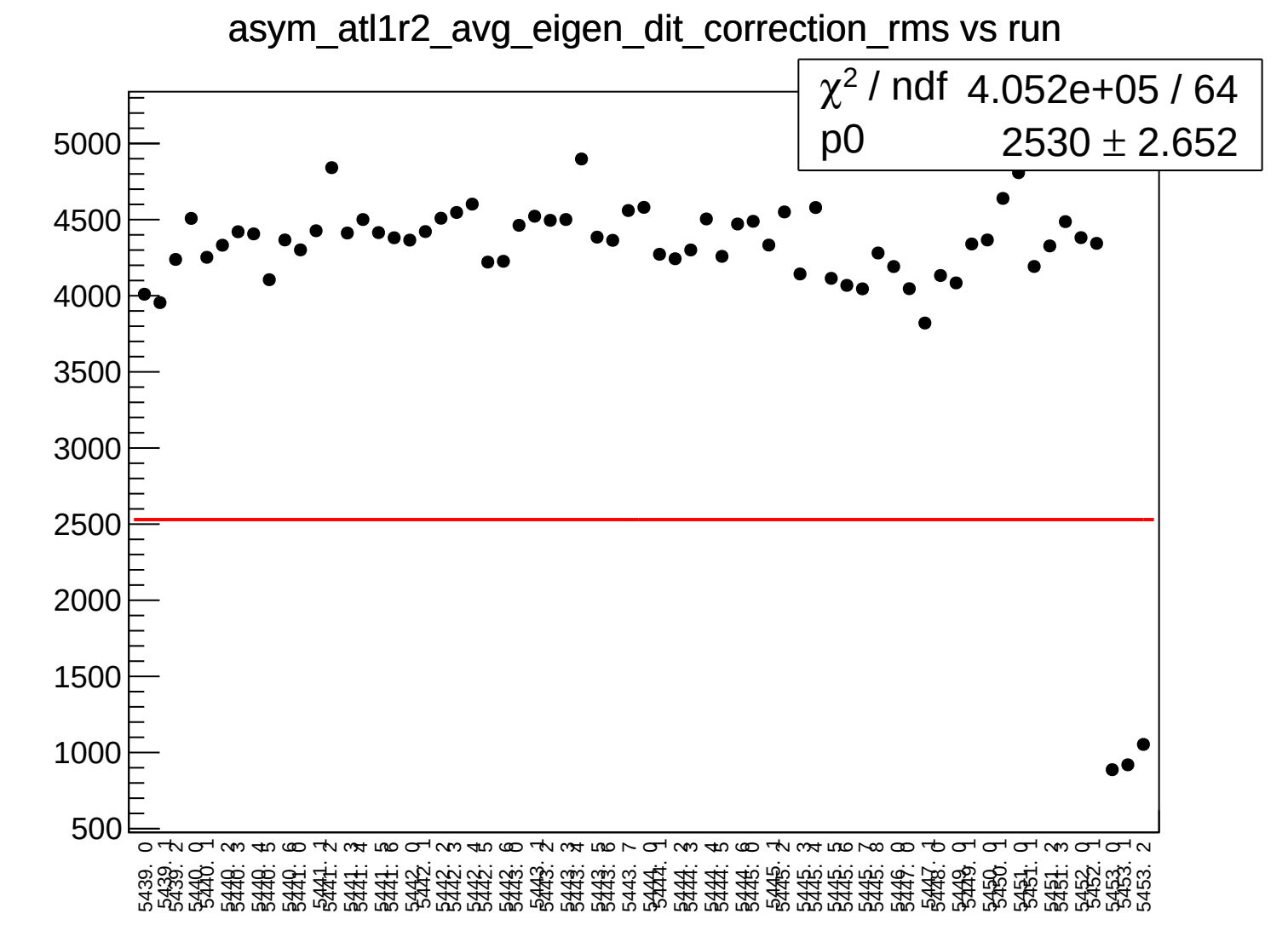

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 46.97 / 64
p0 −3541 ± 3367
×10³
pull
Entries 65
Mean 104
Std Dev 0

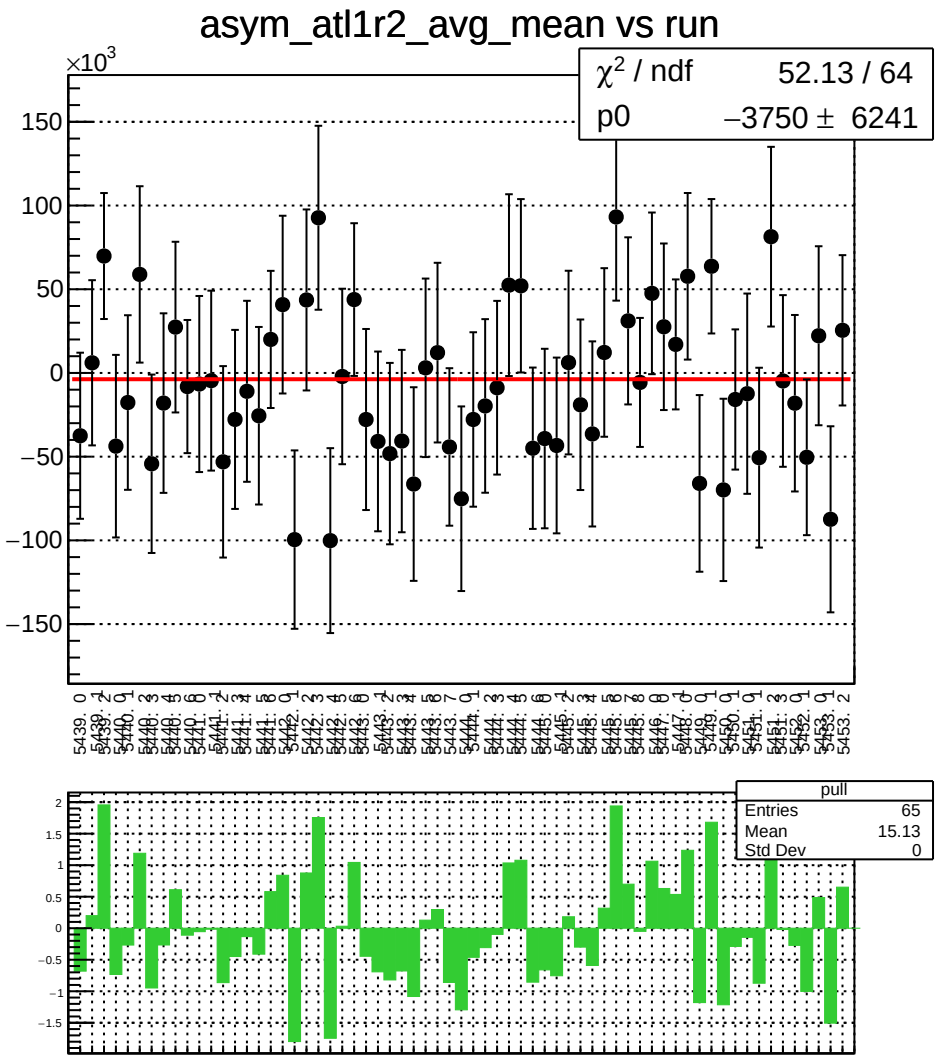

pull1D
Entries 65
Mean −0.01729
Std Dev 0.8499

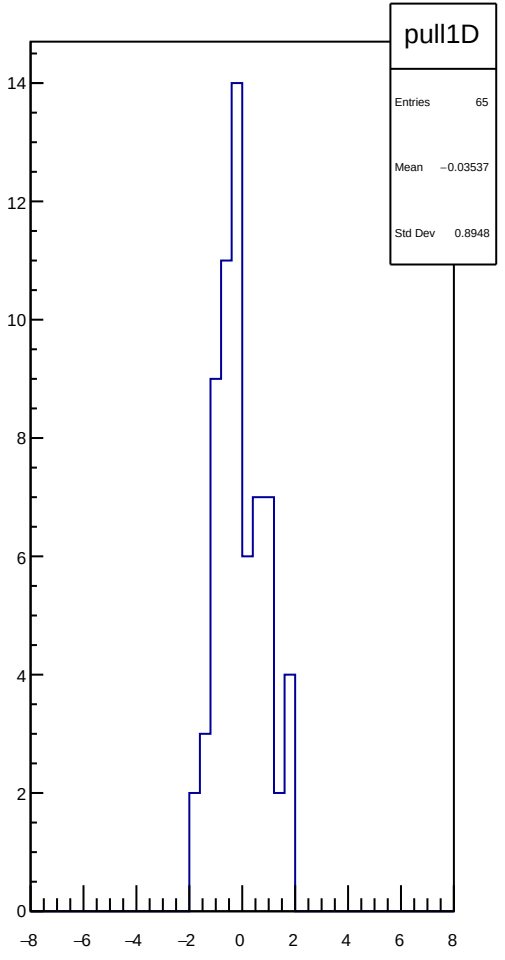

eigen_dit_asym_atl1r2_avg_rms vs run
χ^2 / ndf 1.506e+04 / 64
p0 2715 ± 2.381
5500
5000
4500
4000
3500
3000
2500

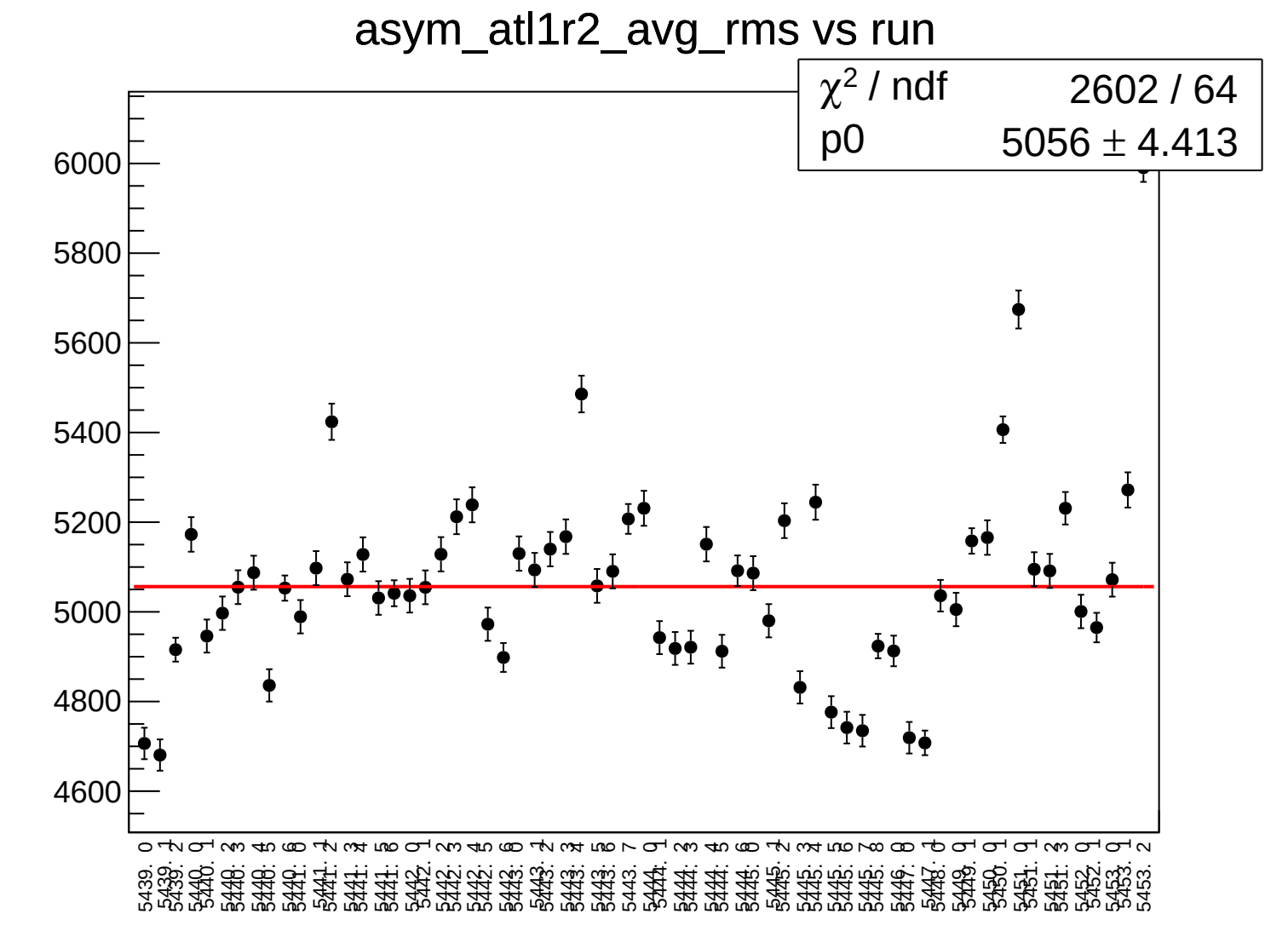

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.46 / 64
p0 −795.5 ± 3750
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −1.003
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

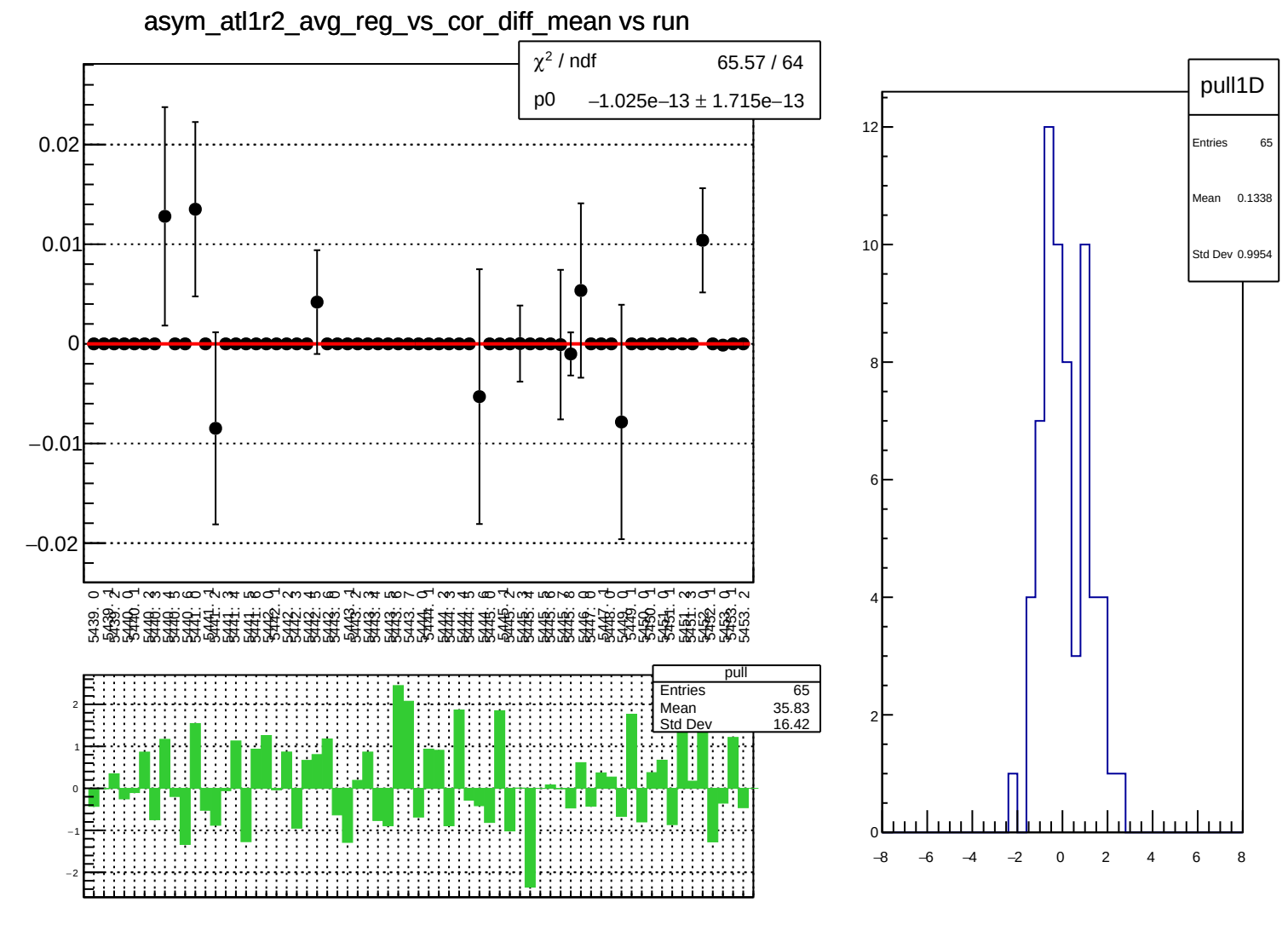

pull1D
Entries 65
Mean 0.04677
Std Dev 0.8798
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

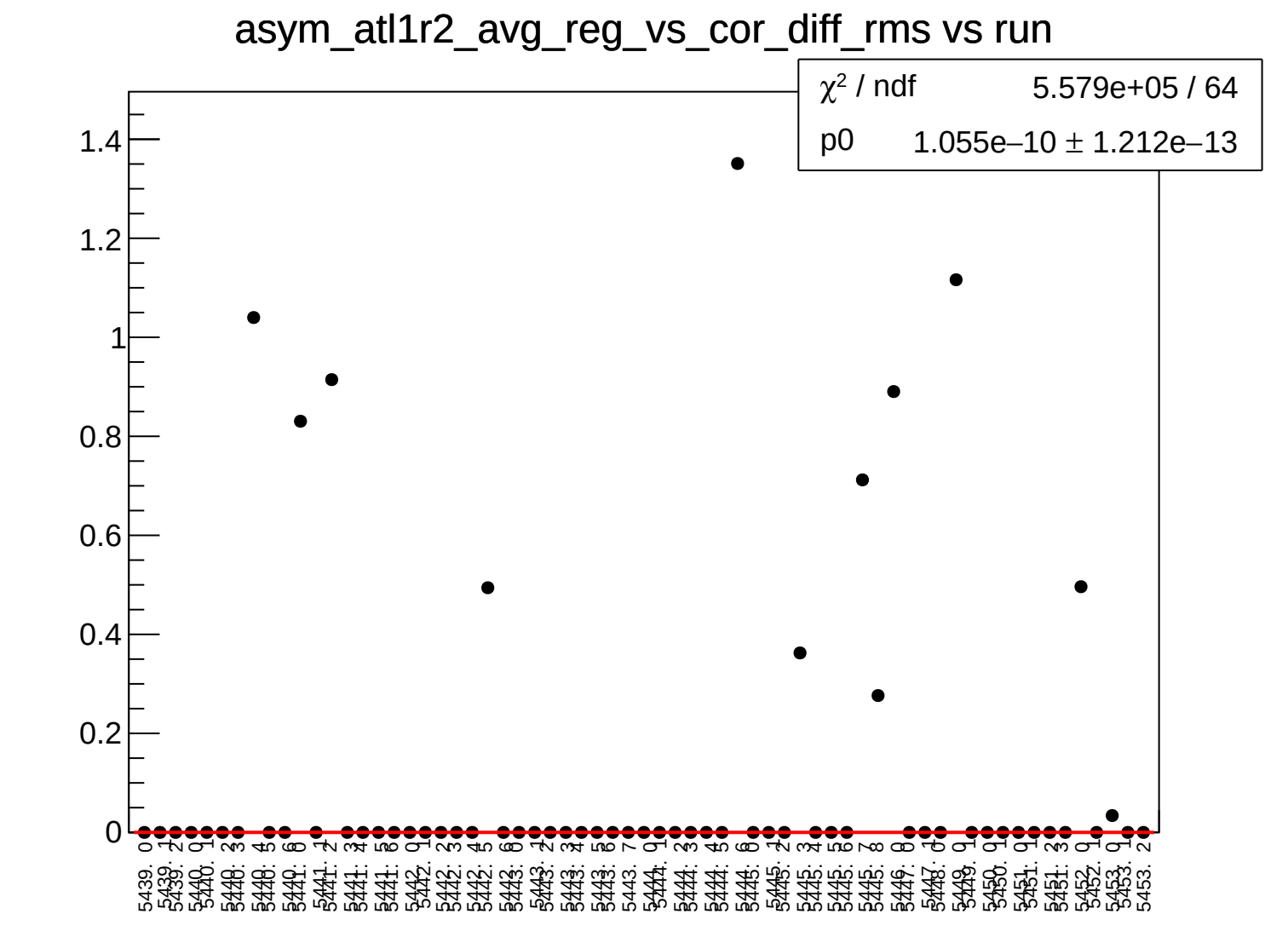

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.052e+05 / 64
p0 2530 ± 2.652
5000
4500
4000
3500
3000
2500
2000
1500
1000
500

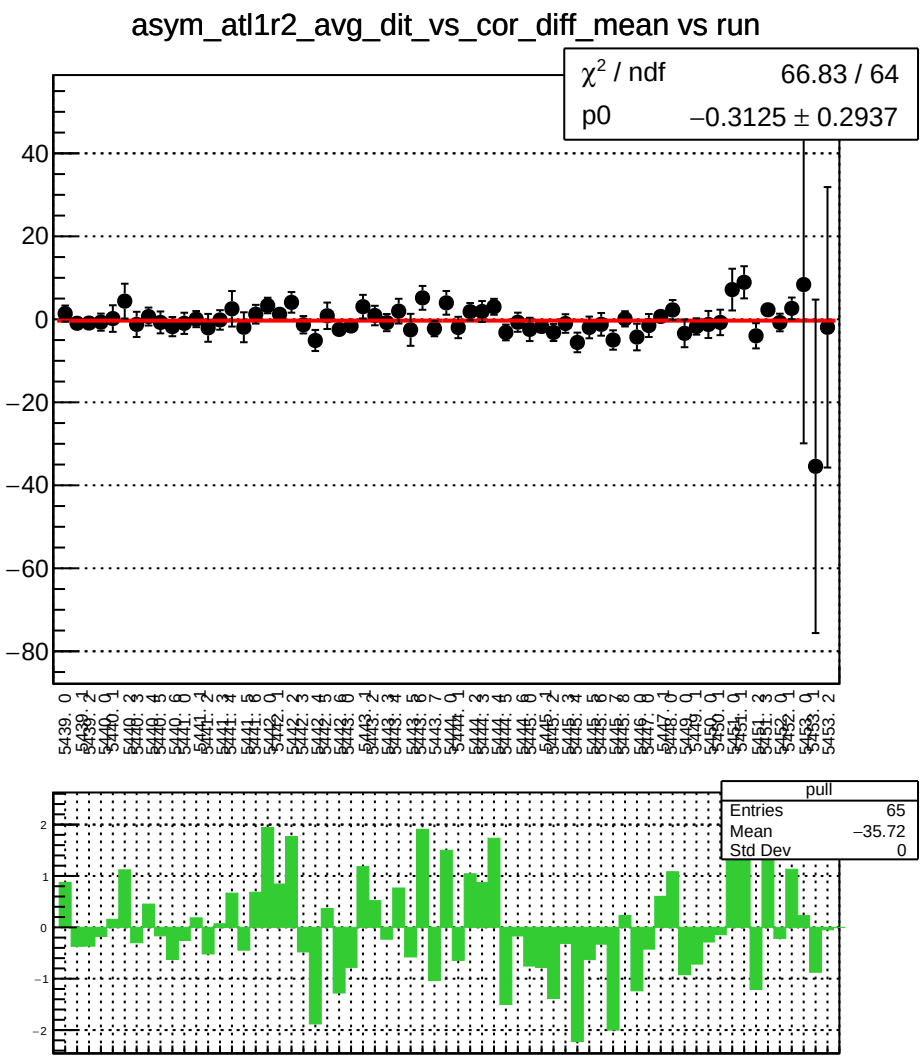

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 52.13 / 64
p0 −3750 ± 6241
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 15.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

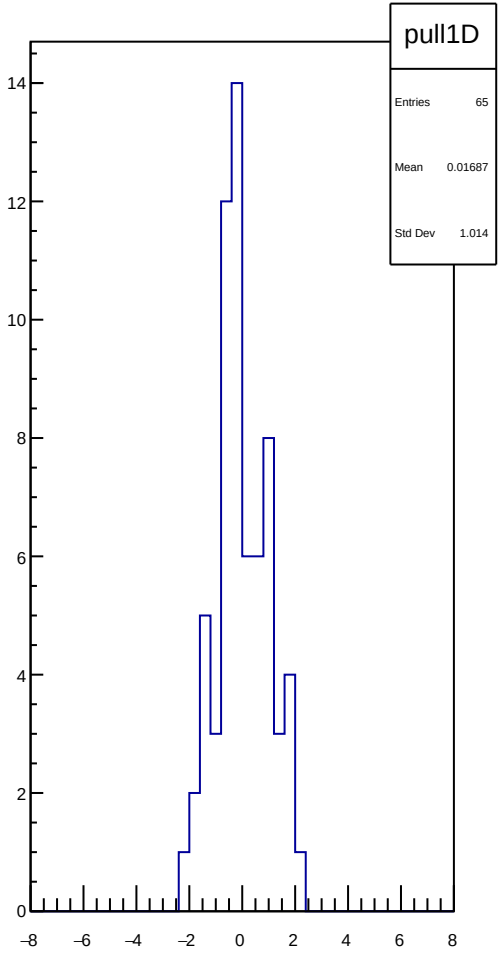

pull1D
Entries 65
Mean −0.03537
Std Dev 0.8948
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

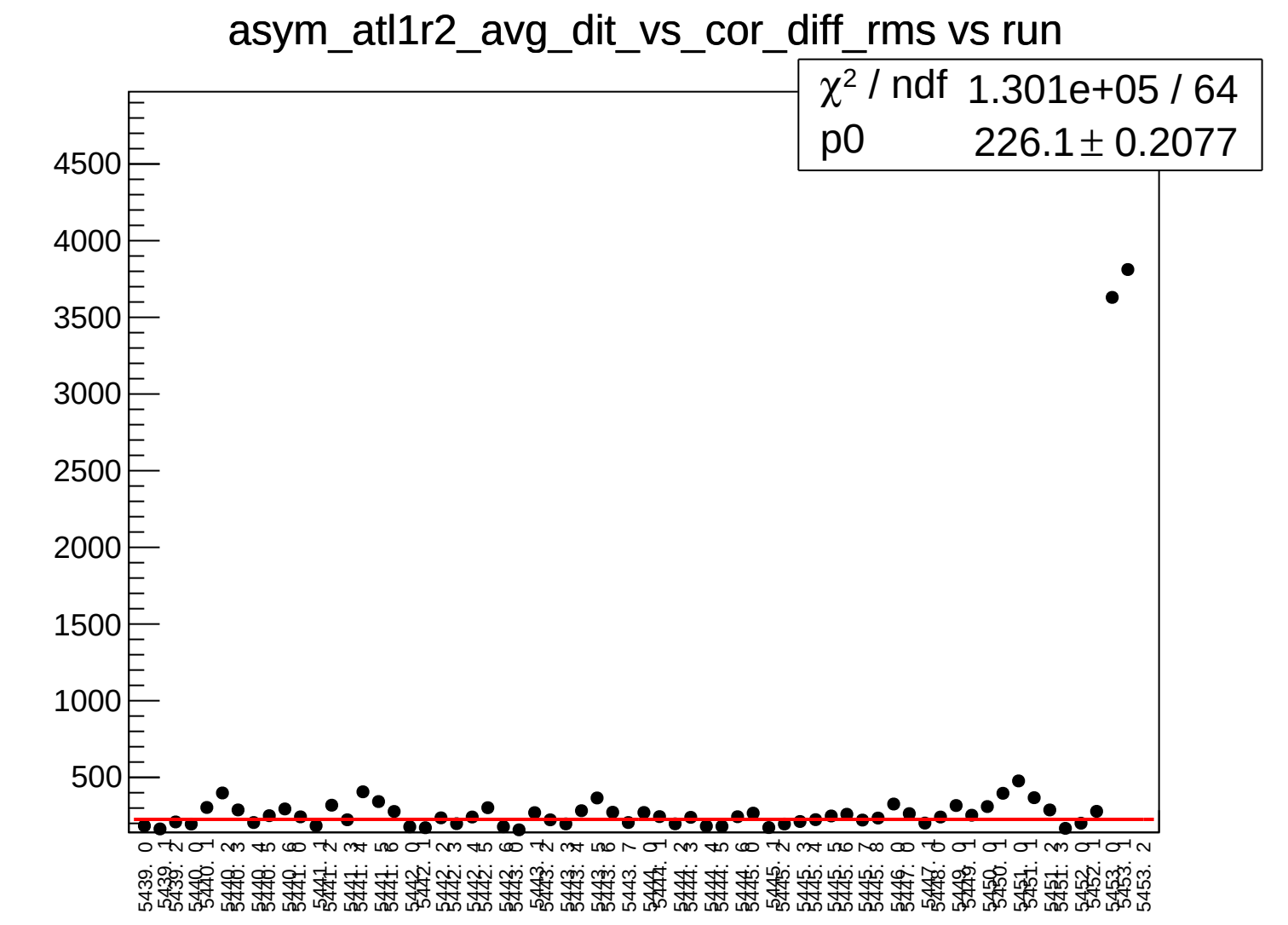

asym_atl1r2_avg_rms vs run
χ² / ndf 2602 / 64
p0 5056 ± 4.413
6000
5800
5600
5400
5200
5000
4800
4600

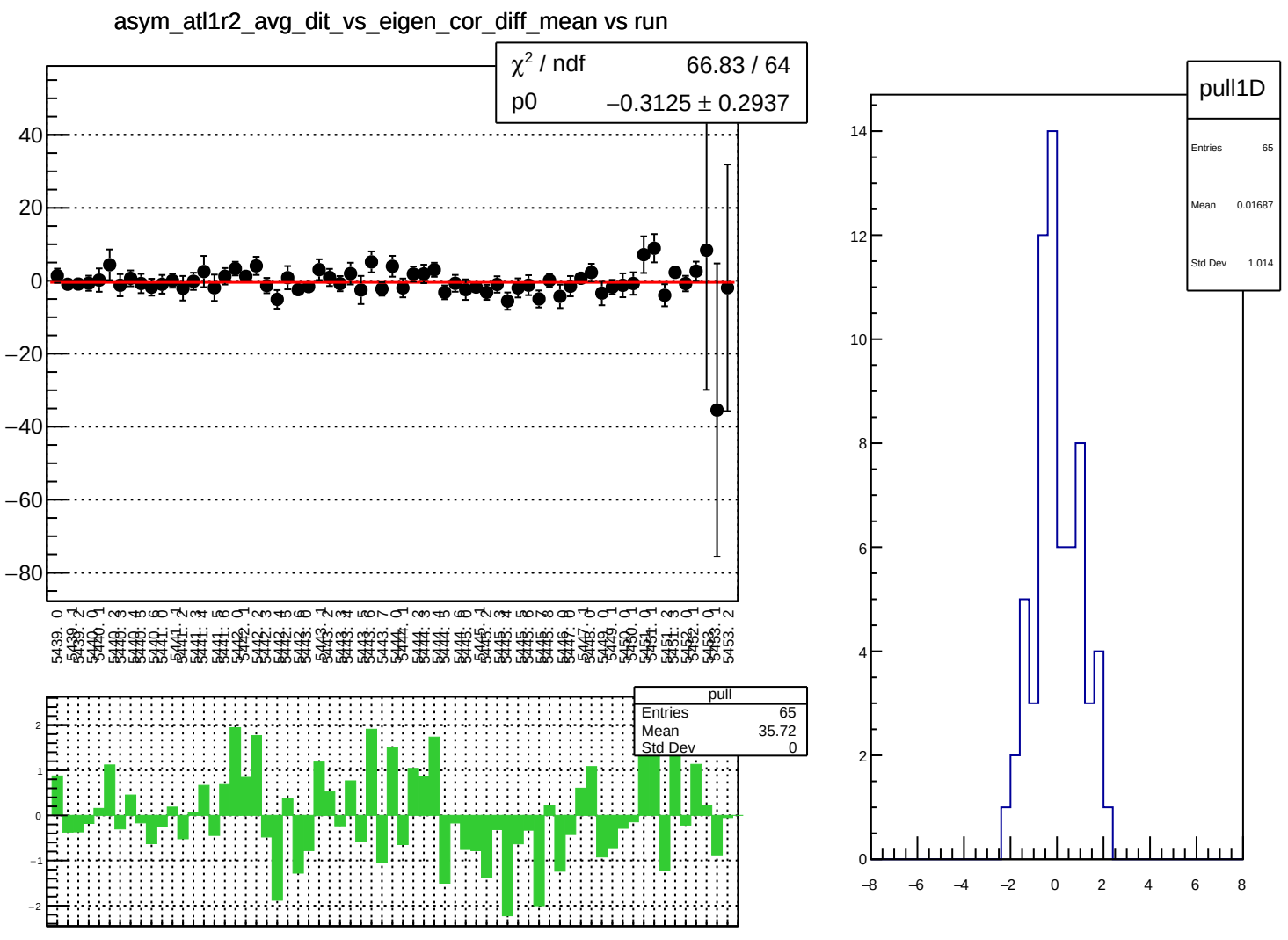

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.57 / 64
p0 −1.025e−13 ± 1.715e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 65
Mean 35.83
Std Dev 16.42
pull1D
Entries 65
Mean 0.1338
Std Dev 0.9954

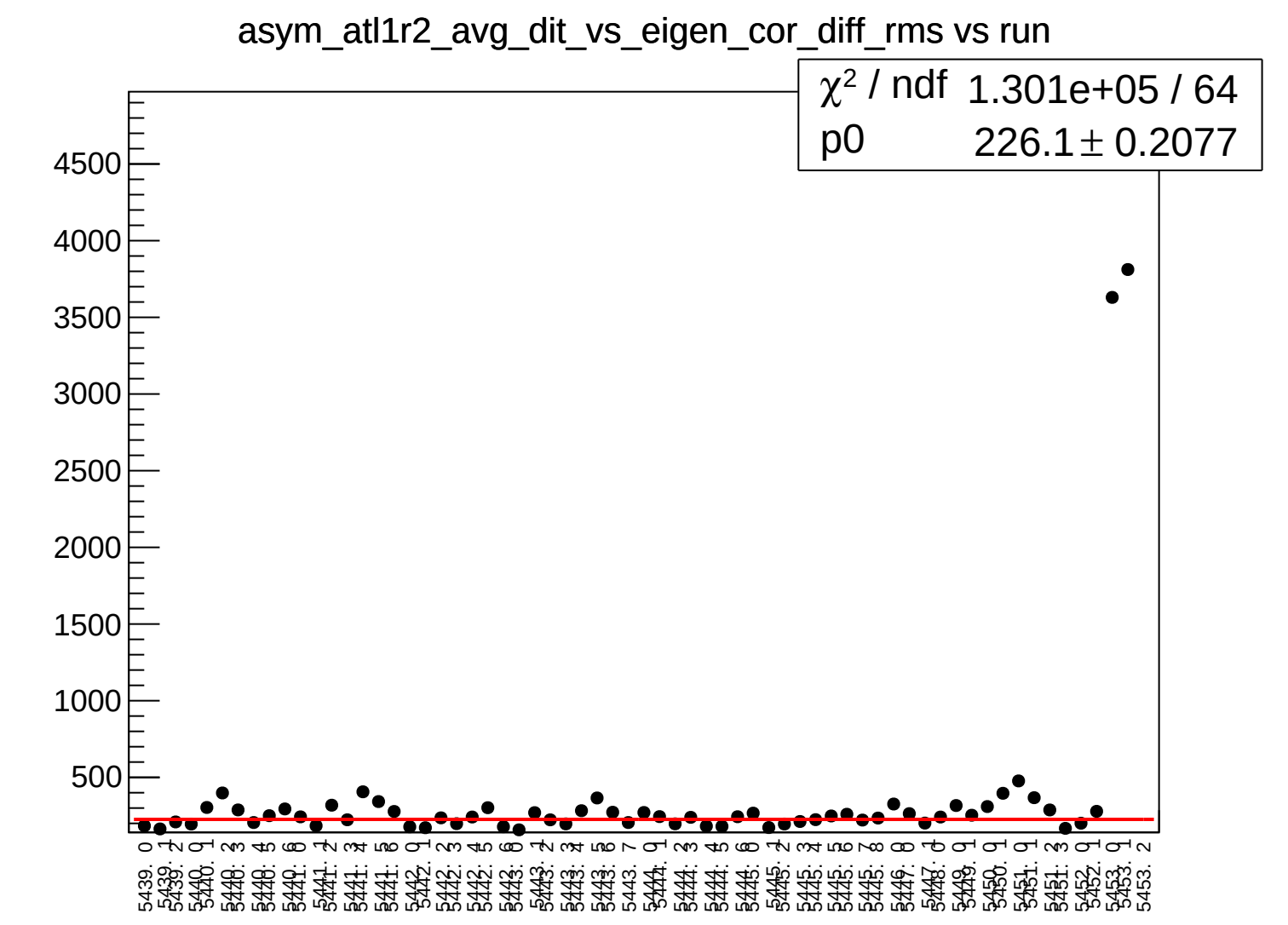

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.579e+05 / 64
p0 1.055e−10 ± 1.212e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

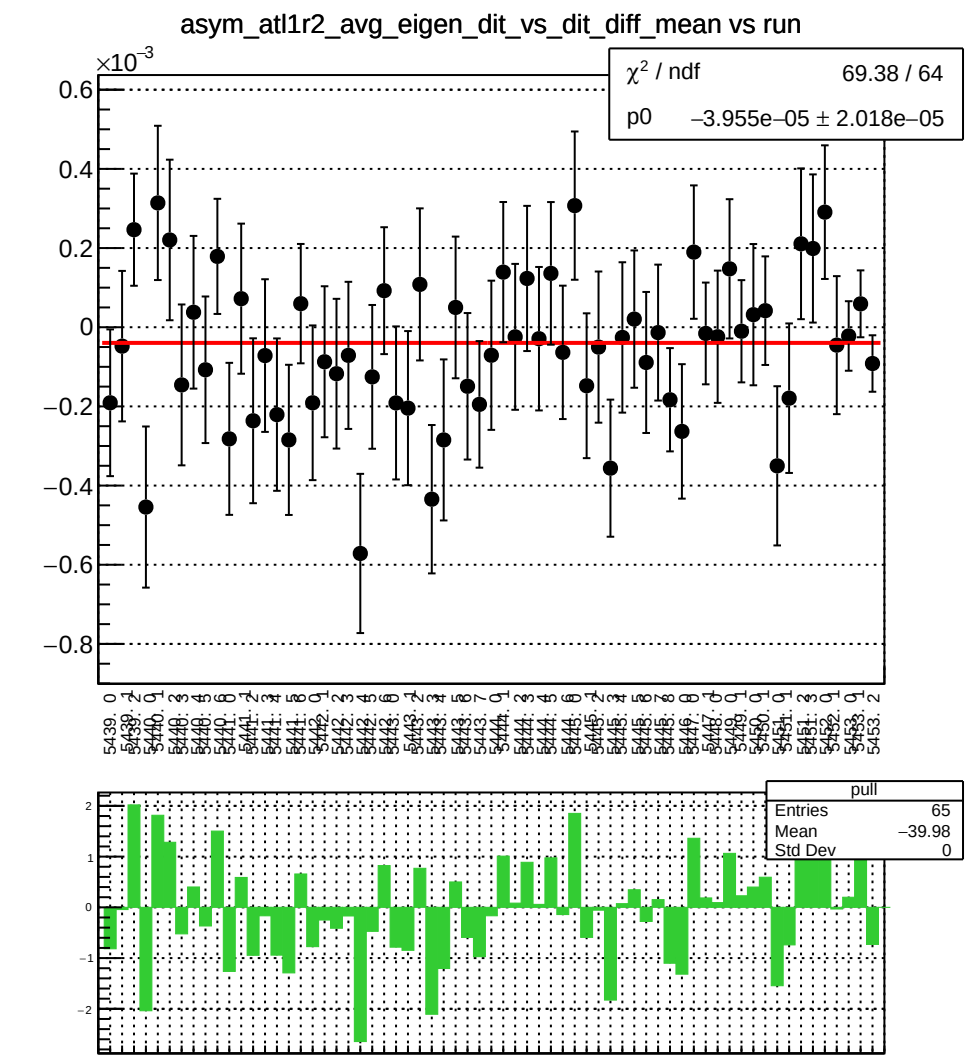

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 66.83 / 64
p0 −0.3125 ± 0.2937
pull
Entries 65
Mean −35.72
Std Dev 0

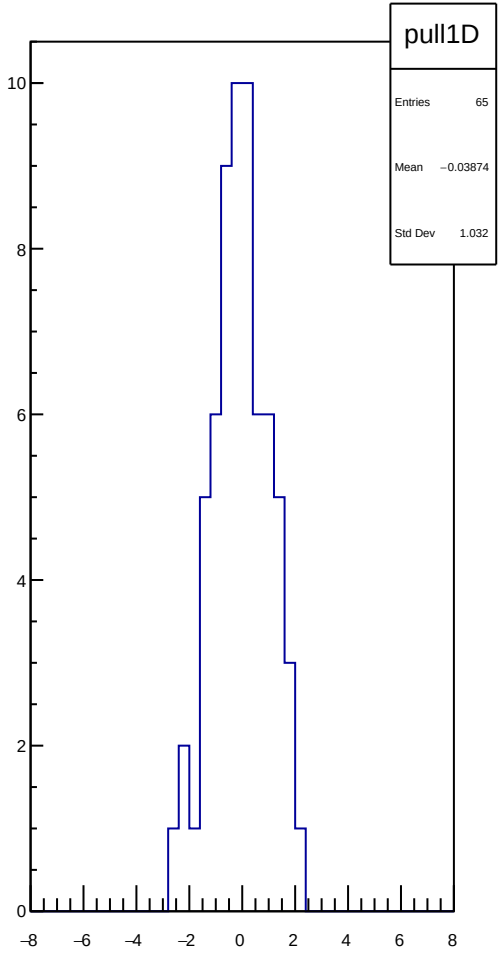

pull1D
Entries 65
Mean 0.01687
Std Dev 1.014

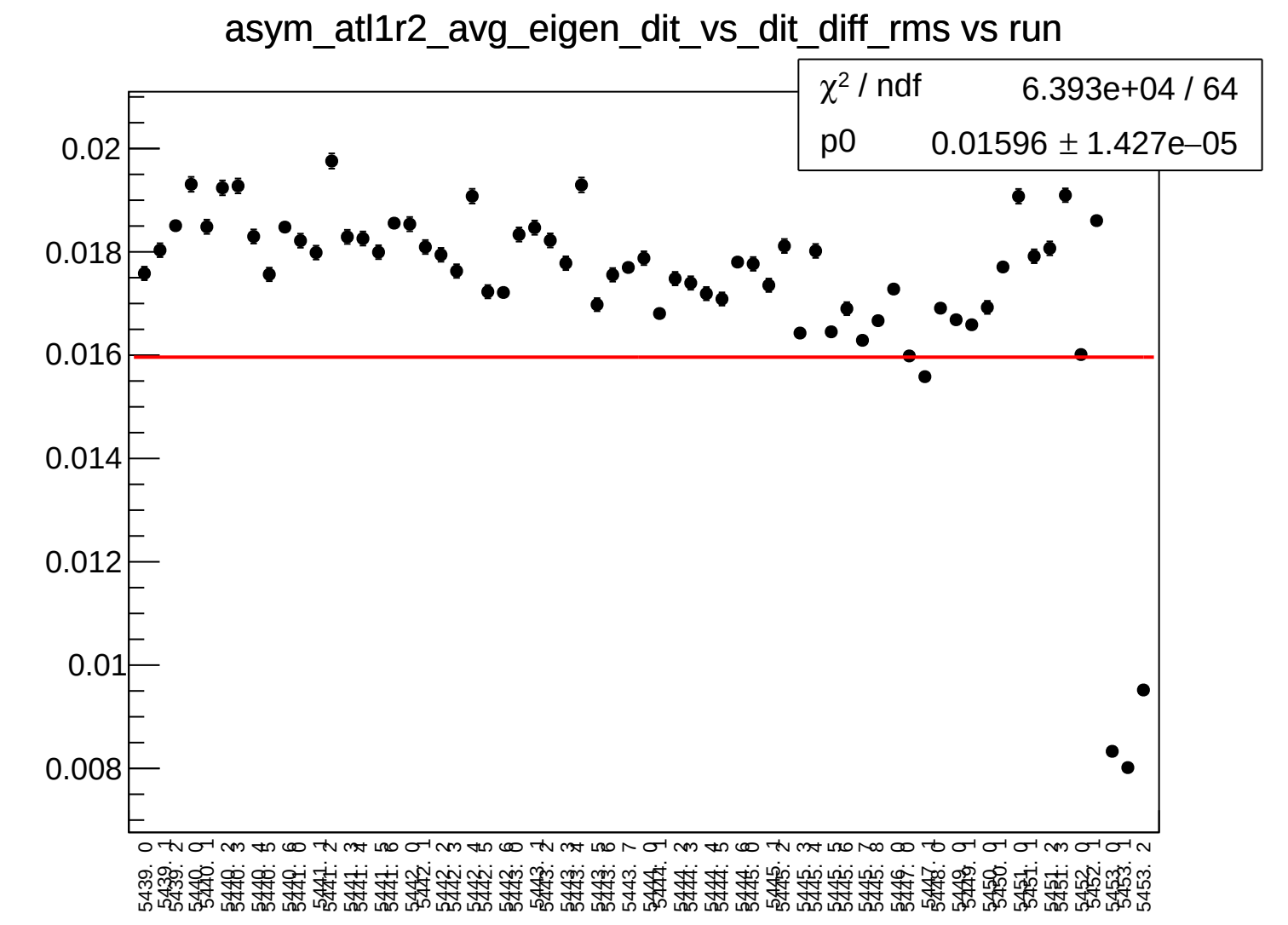

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 64
p0 226.1 ± 0.2077
4500
4000
3500
3000
2500
2000
1500
1000
500

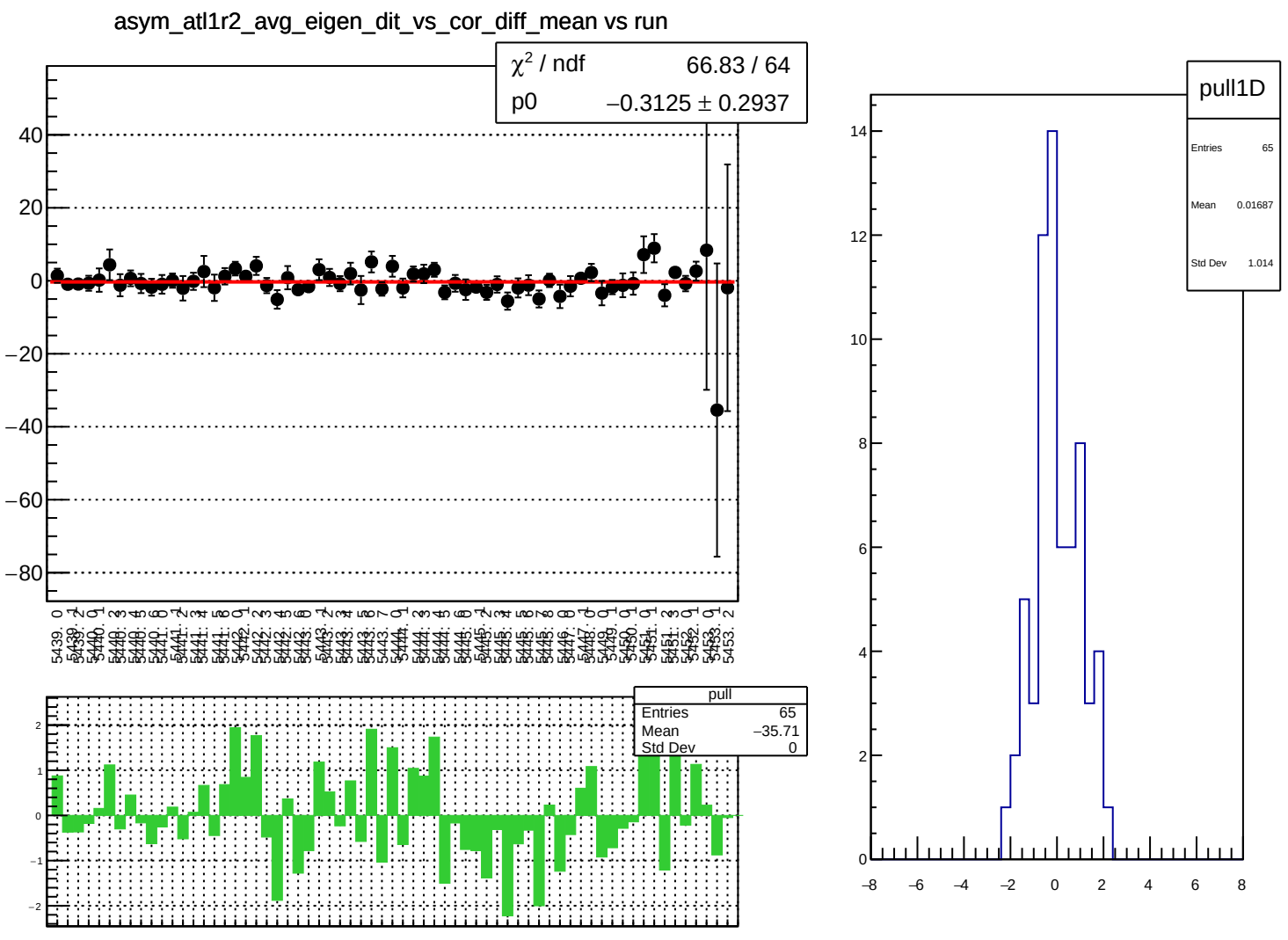

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.83 / 64
p0 −0.3125 ± 0.2937
pull
Entries 65
Mean −35.72
Std Dev 0
pull1D
Entries 65
Mean 0.01687
Std Dev 1.014

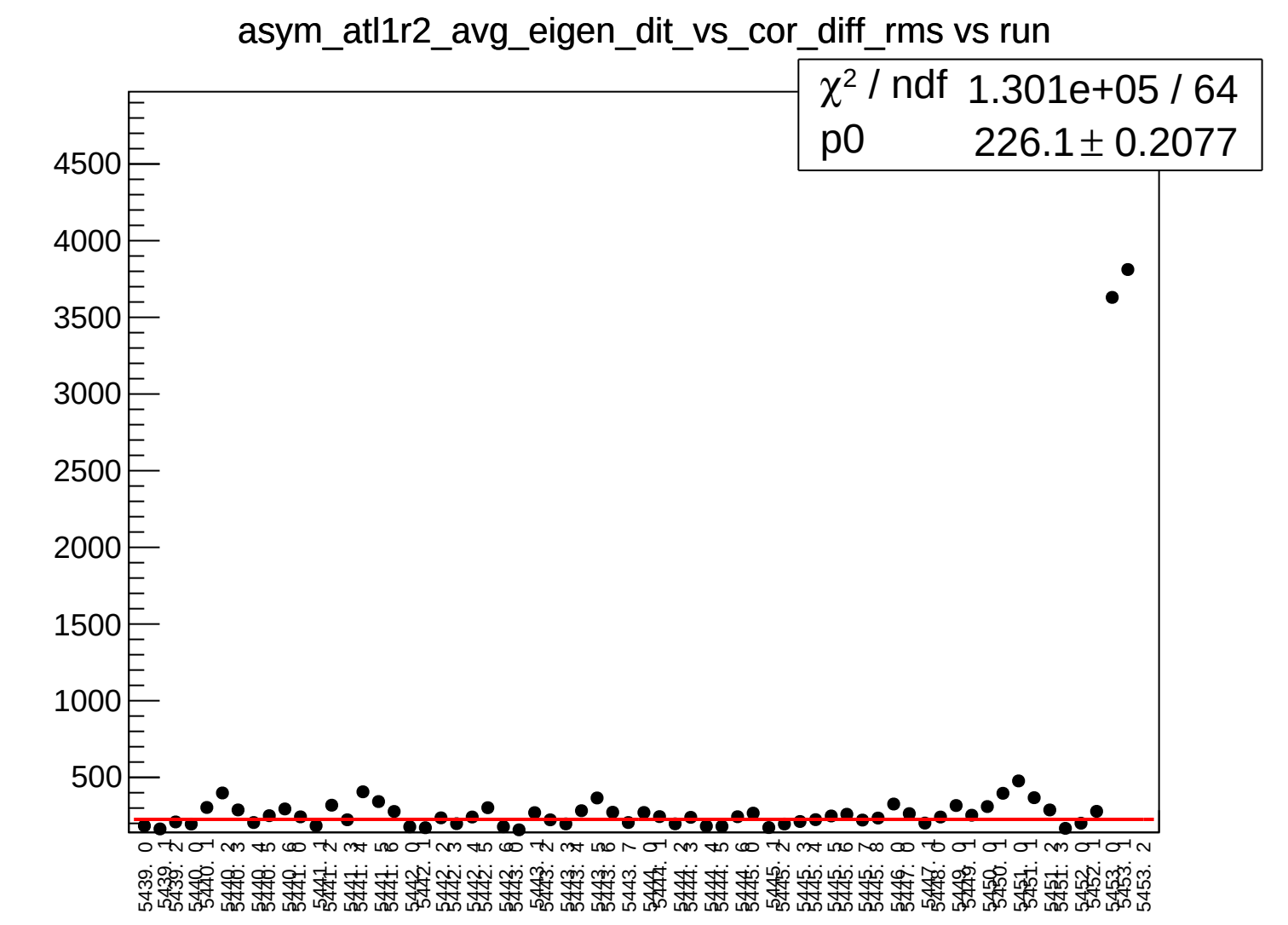

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 64
p0 226.1 ± 0.2077
4500
4000
3500
3000
2500
2000
1500
1000
500

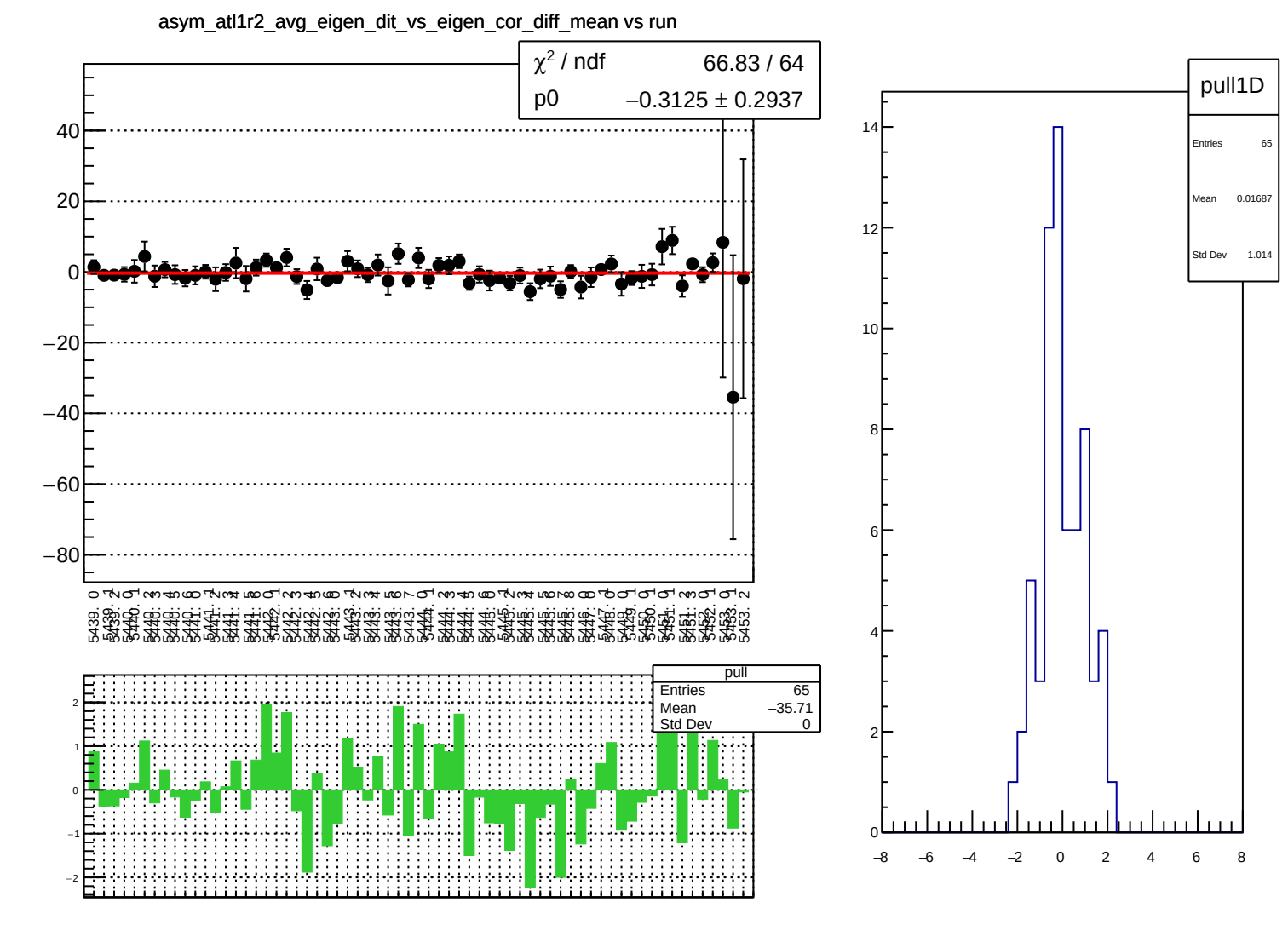

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.38 / 64
p0 −3.955e−05 ± 2.018e−05
pull
Entries 65
Mean −39.98
Std Dev 0

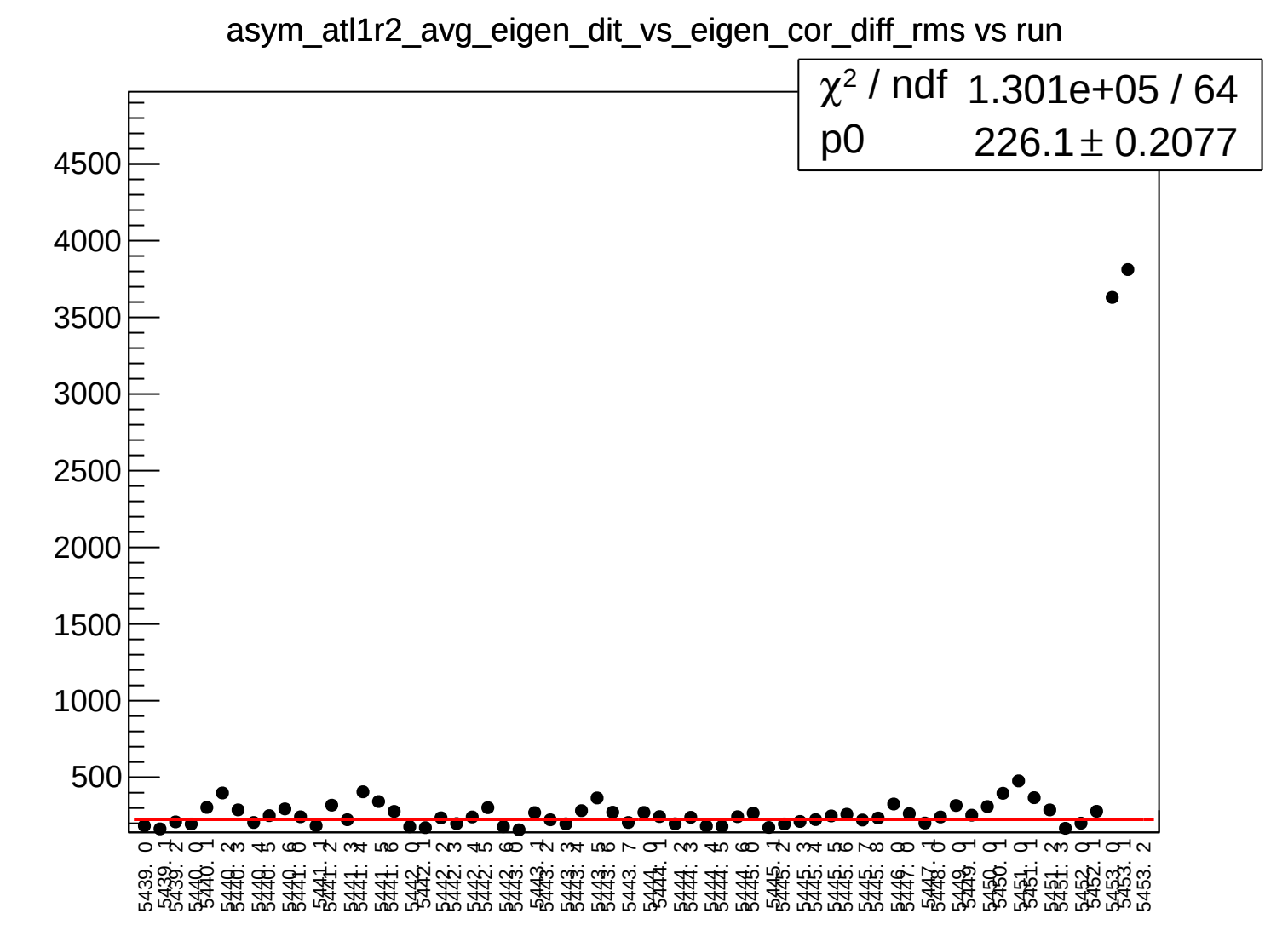

pull1D
Entries 65
Mean −0.03874
Std Dev 1.032

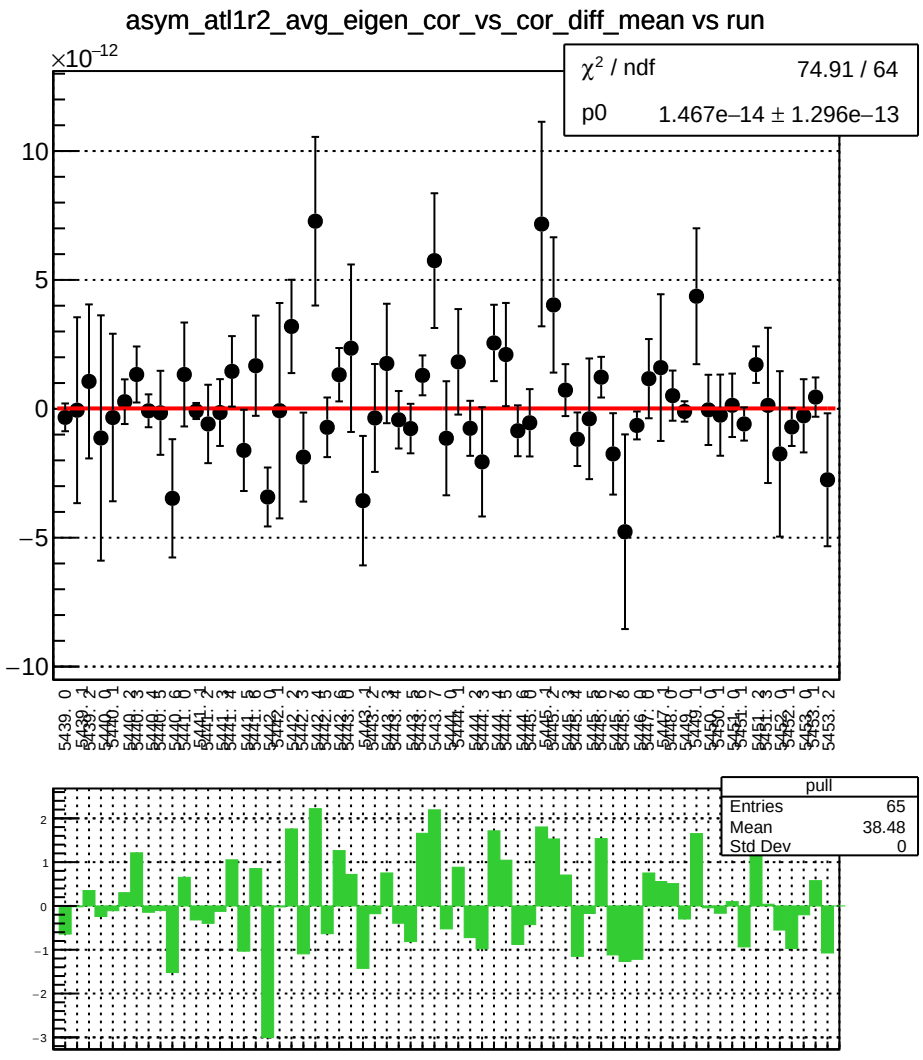

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.393e+04 / 64
p0 0.01596 ± 1.427e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008

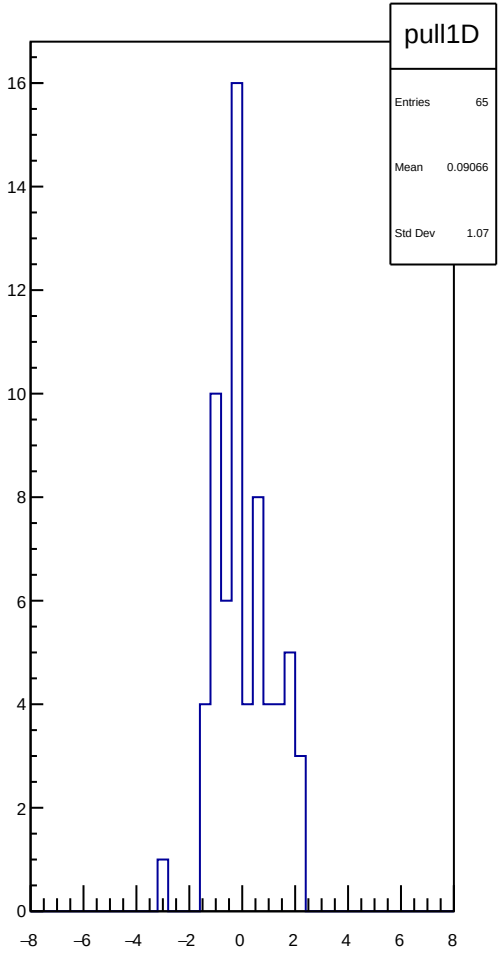

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.83 / 64
p0 −0.3125 ± 0.2937
pull
Entries 65
Mean −35.71
Std Dev 0
pull1D
Entries 65
Mean 0.01687
Std Dev 1.014

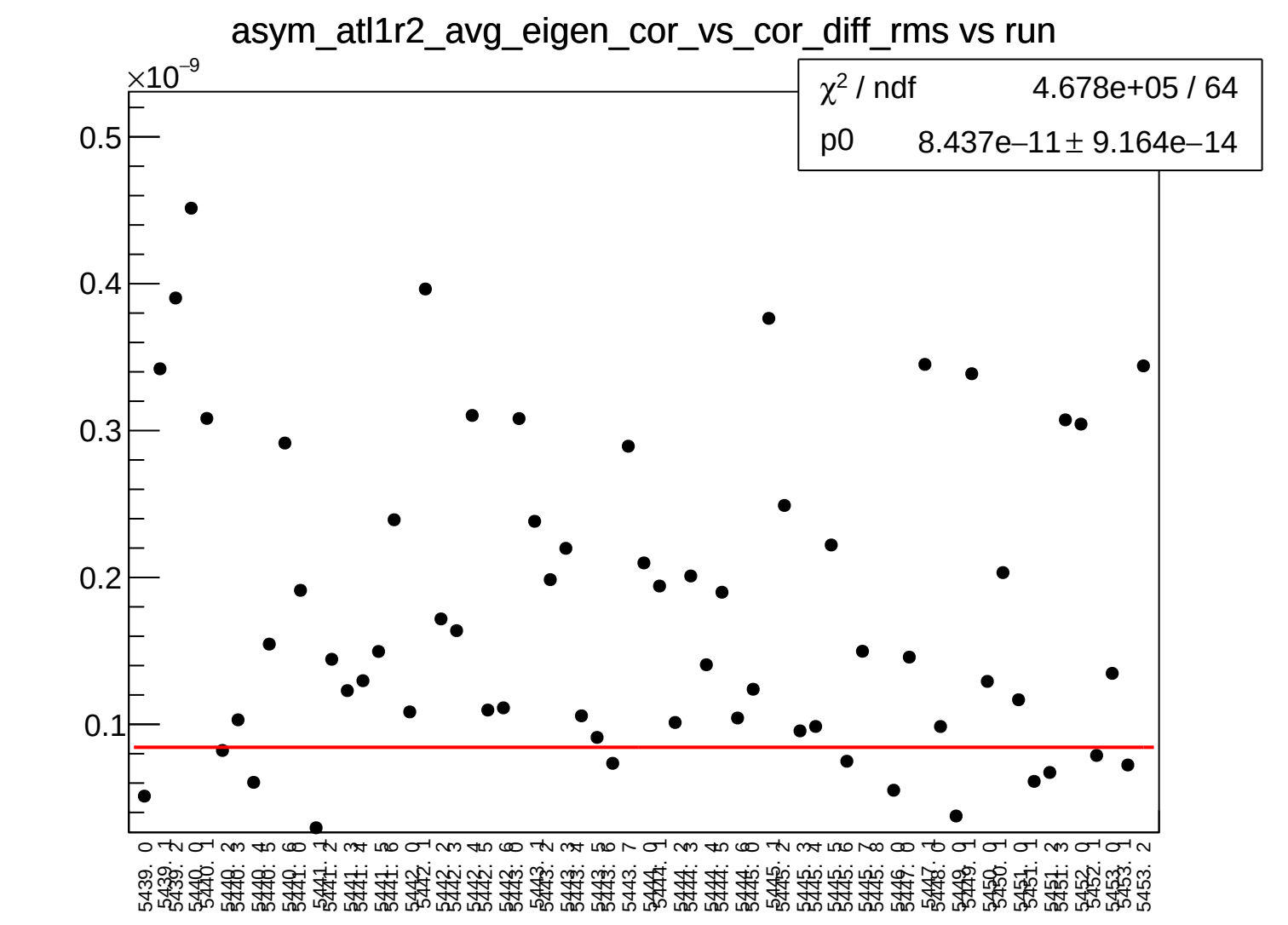

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 64
p0 226.1 ± 0.2077
4500
4000
3500
3000
2500
2000
1500
1000
500

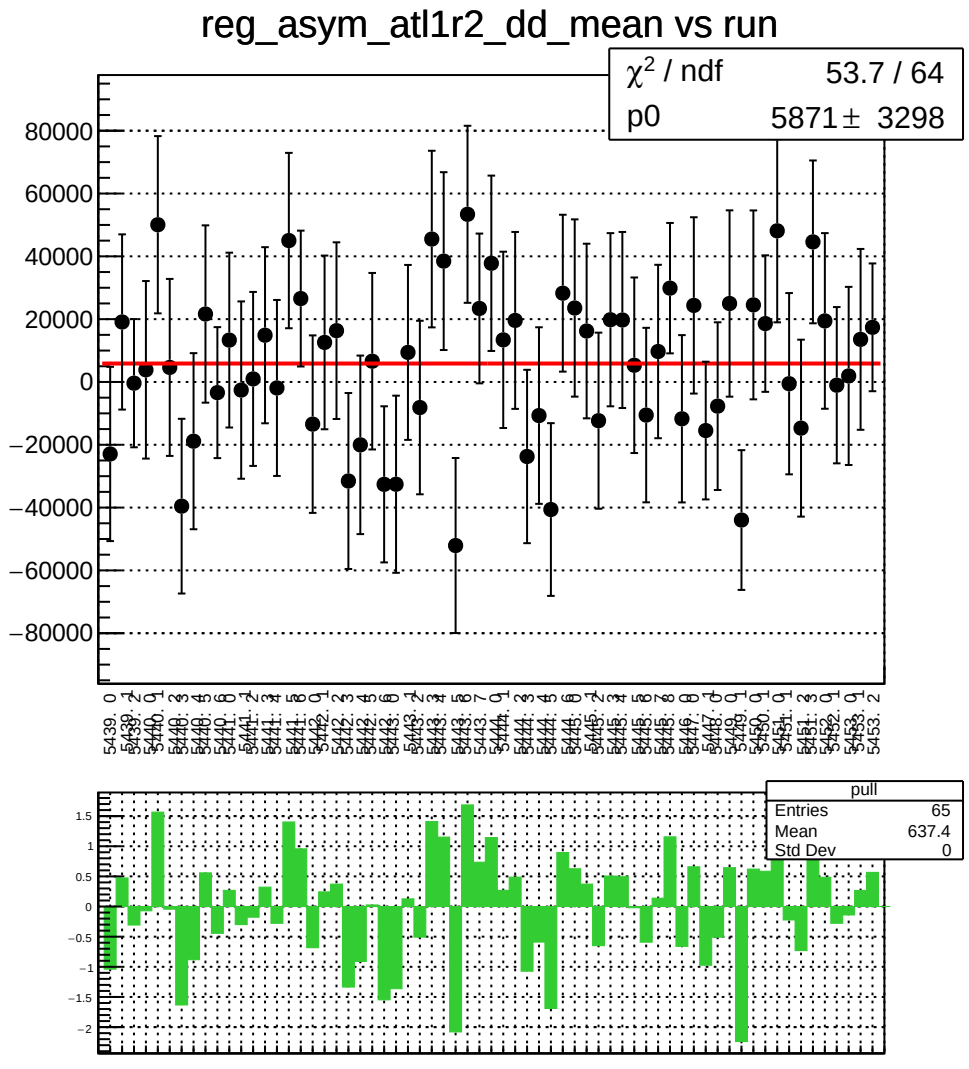

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.83 / 64
p0 −0.3125 ± 0.2937
pull
Entries 65
Mean −35.71
Std Dev 0
pull1D
Entries 65
Mean 0.01687
Std Dev 1.014

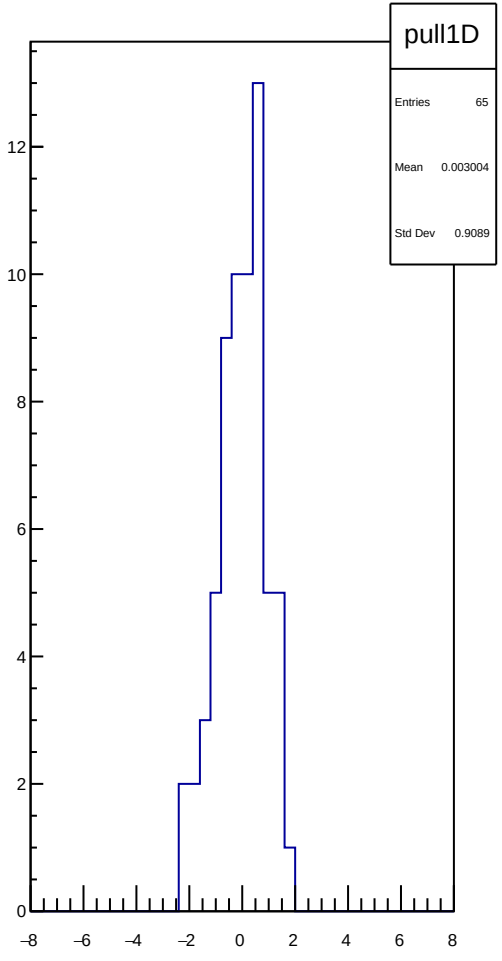

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 64
p0 226.1 ± 0.2077
4500
4000
3500
3000
2500
2000
1500
1000
500

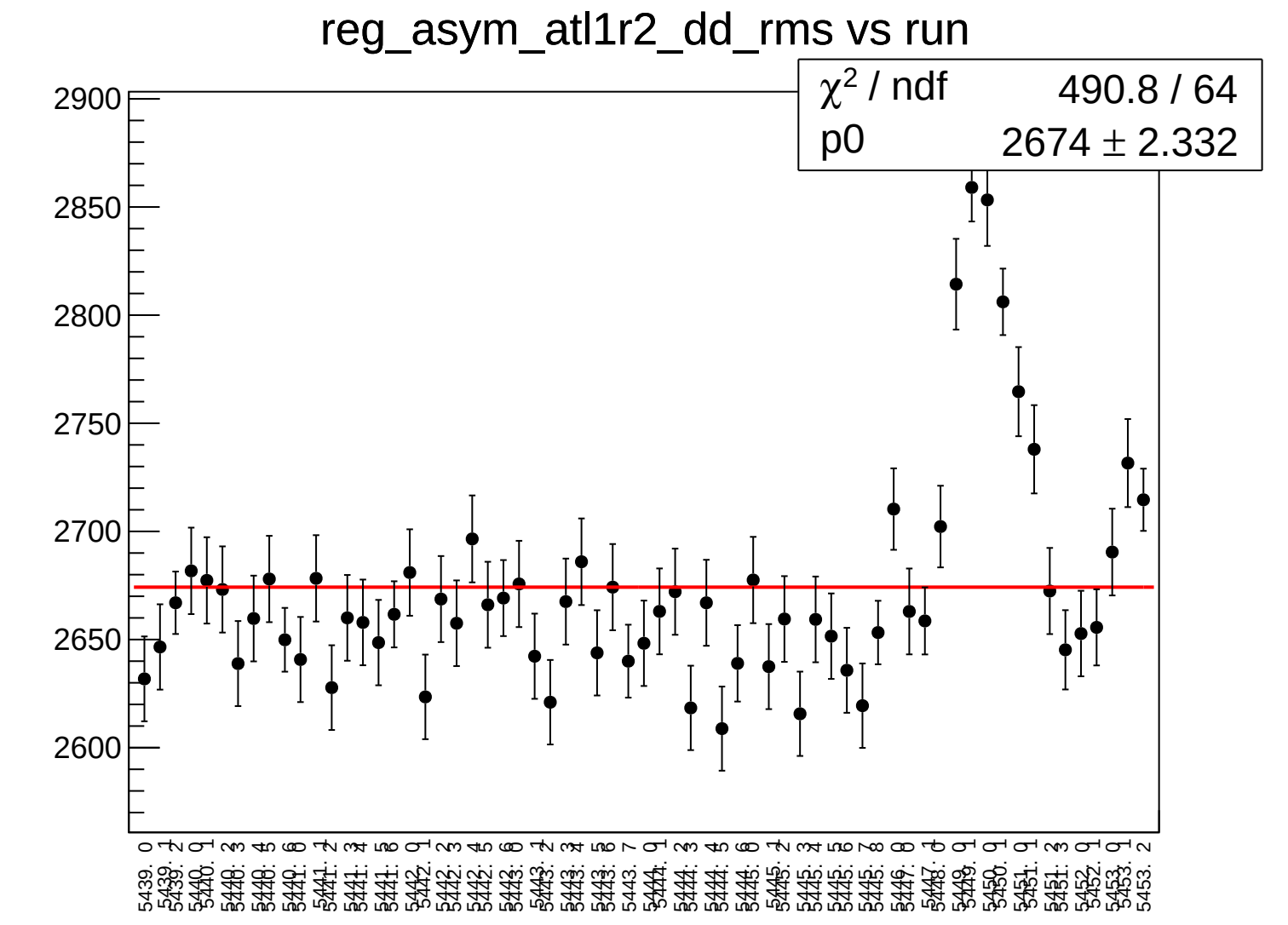

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.91 / 64
p0 1.467e−14 ± 1.296e−13
pull
Entries 65
Mean 38.48
Std Dev 0

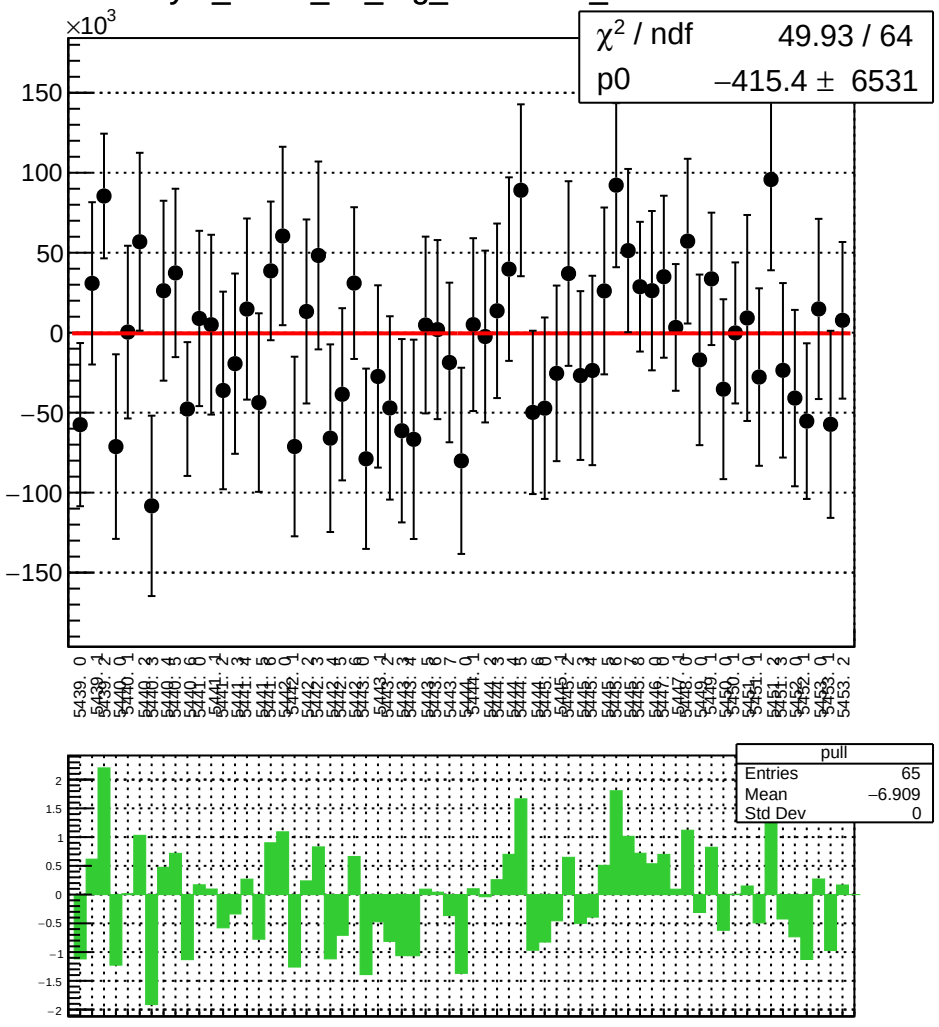

pull1D
Entries 65
Mean 0.09066
Std Dev 1.07

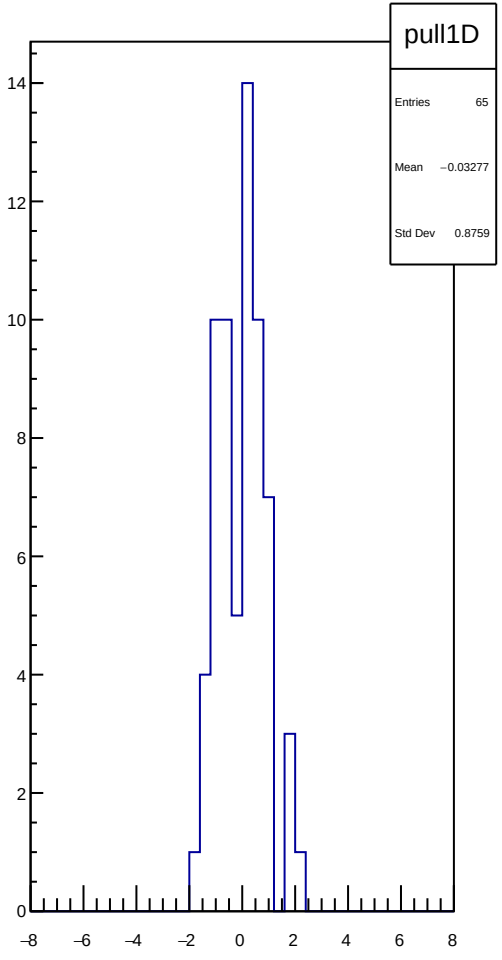

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.678e+05 / 64
p0 8.437e−11 ± 9.164e−14
0.5
0.4
0.3
0.2
0.1

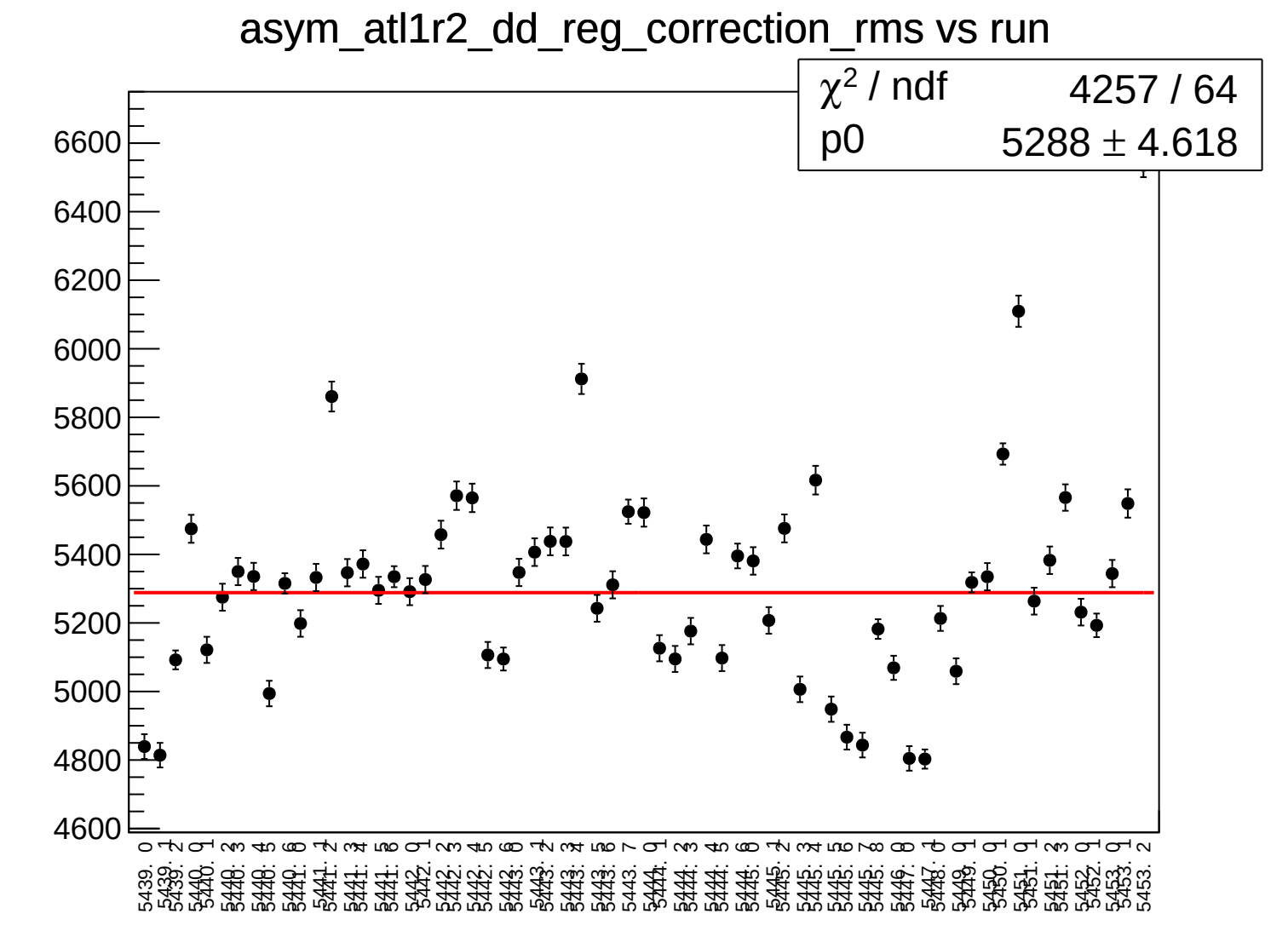

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 53.7 / 64
p0 5871 ± 3298
pull
Entries 65
Mean 637.4
Std Dev 0

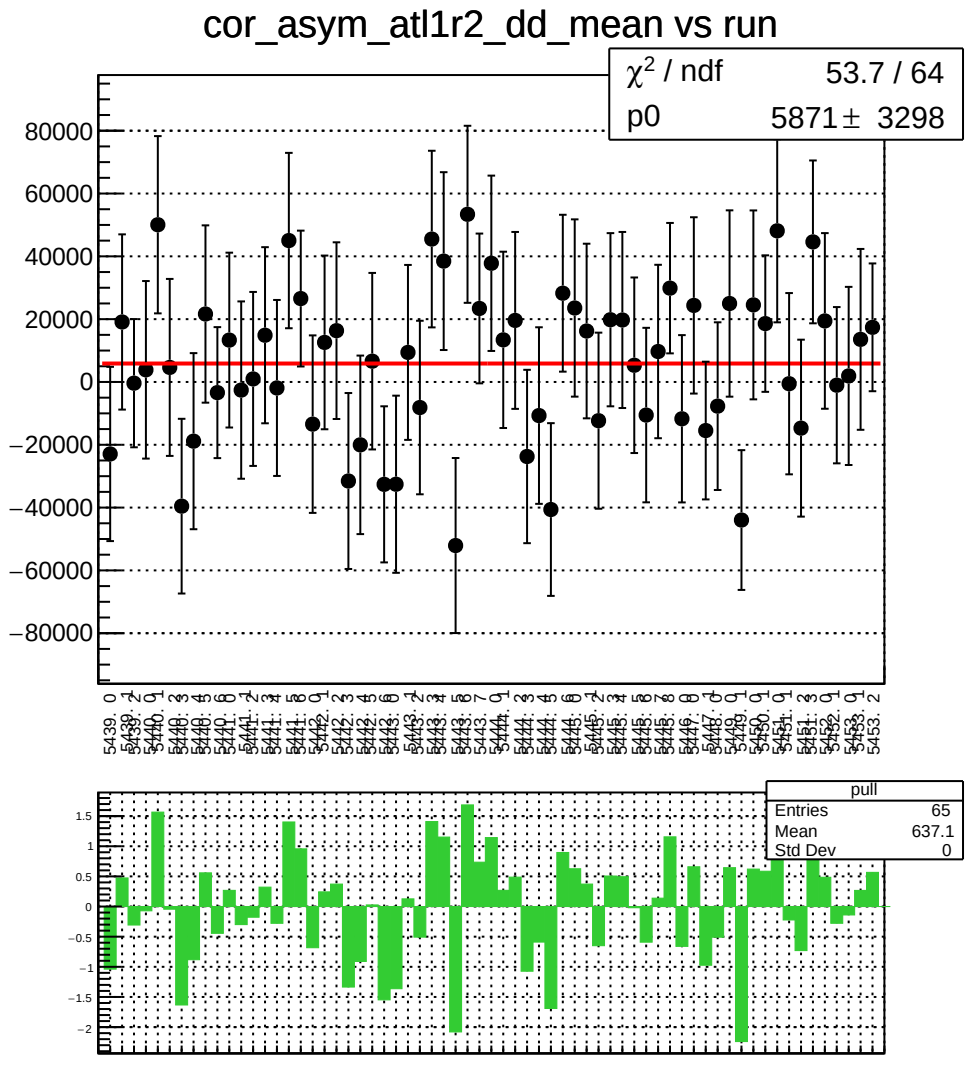

pull1D
Entries 65
Mean 0.003004
Std Dev 0.9089

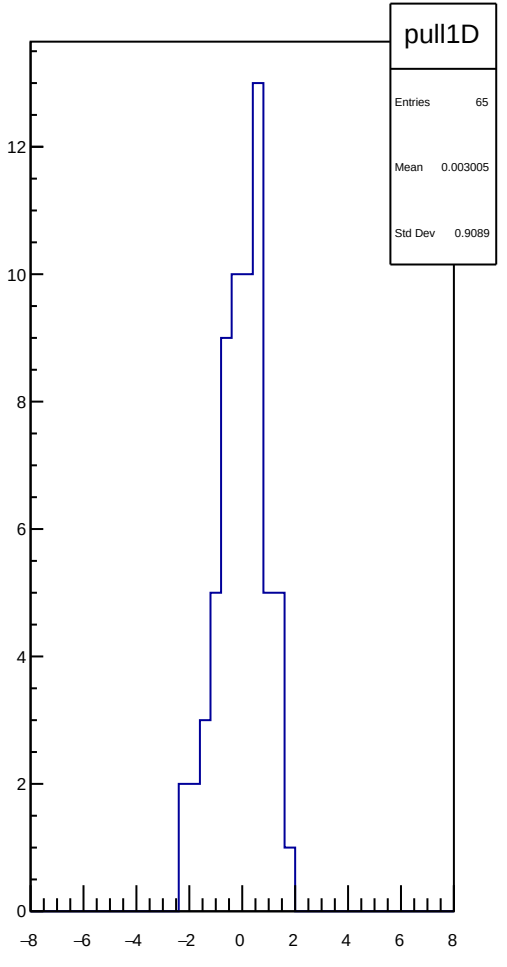

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 490.8 / 64
p0 2674 ± 2.332
2900
2850
2800
2750
2700
2650
2600

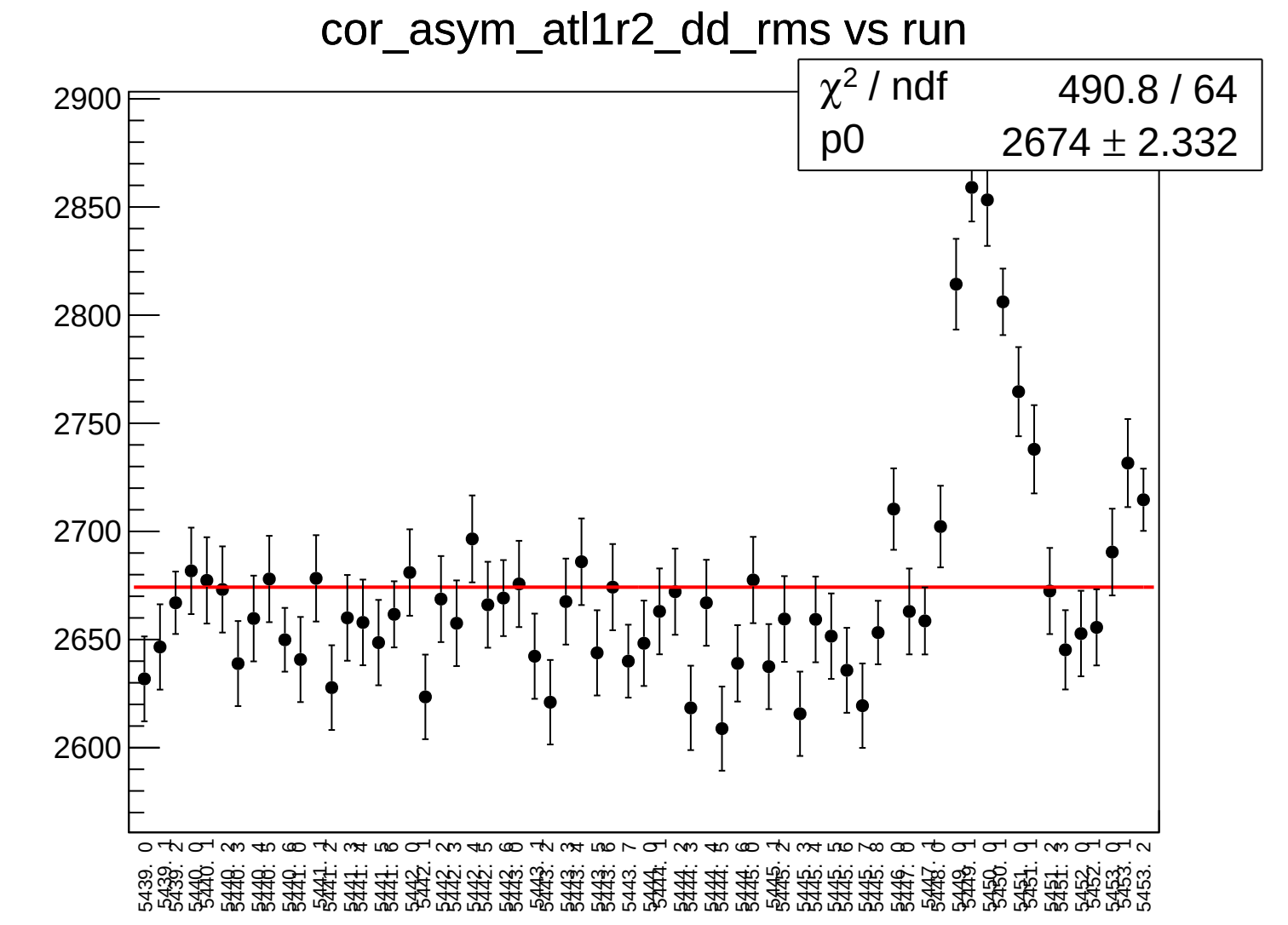

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.93 / 64
p0 −415.4 ± 6531
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −6.909
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

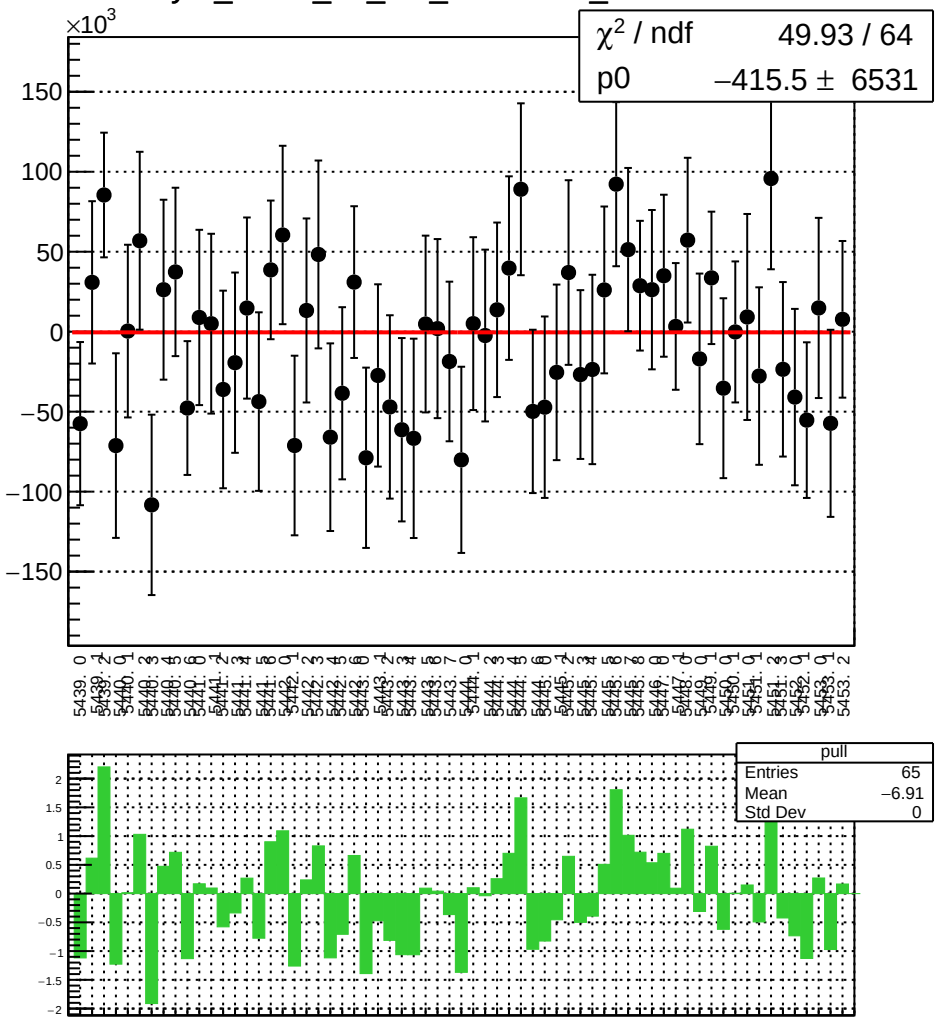

pull1D
Entries 65
Mean −0.03277
Std Dev 0.8759
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

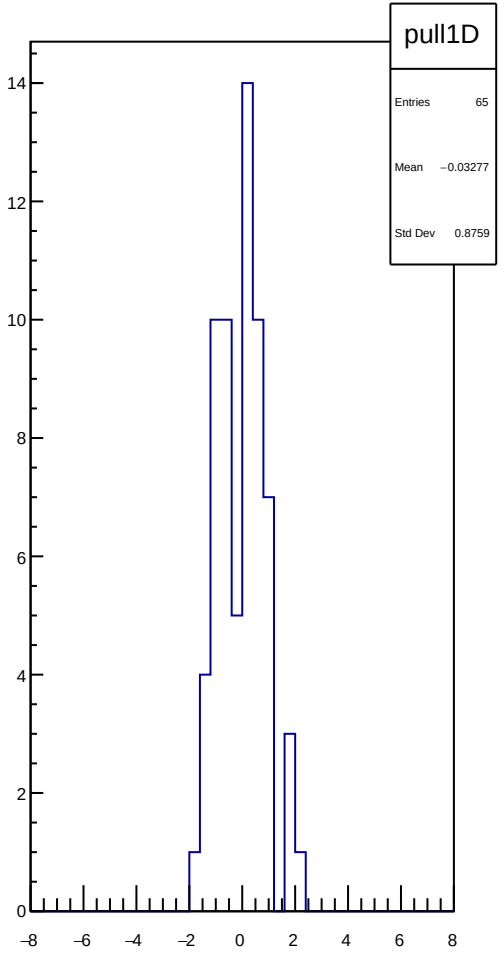

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 4257 / 64
p0 5288 ± 4.618
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

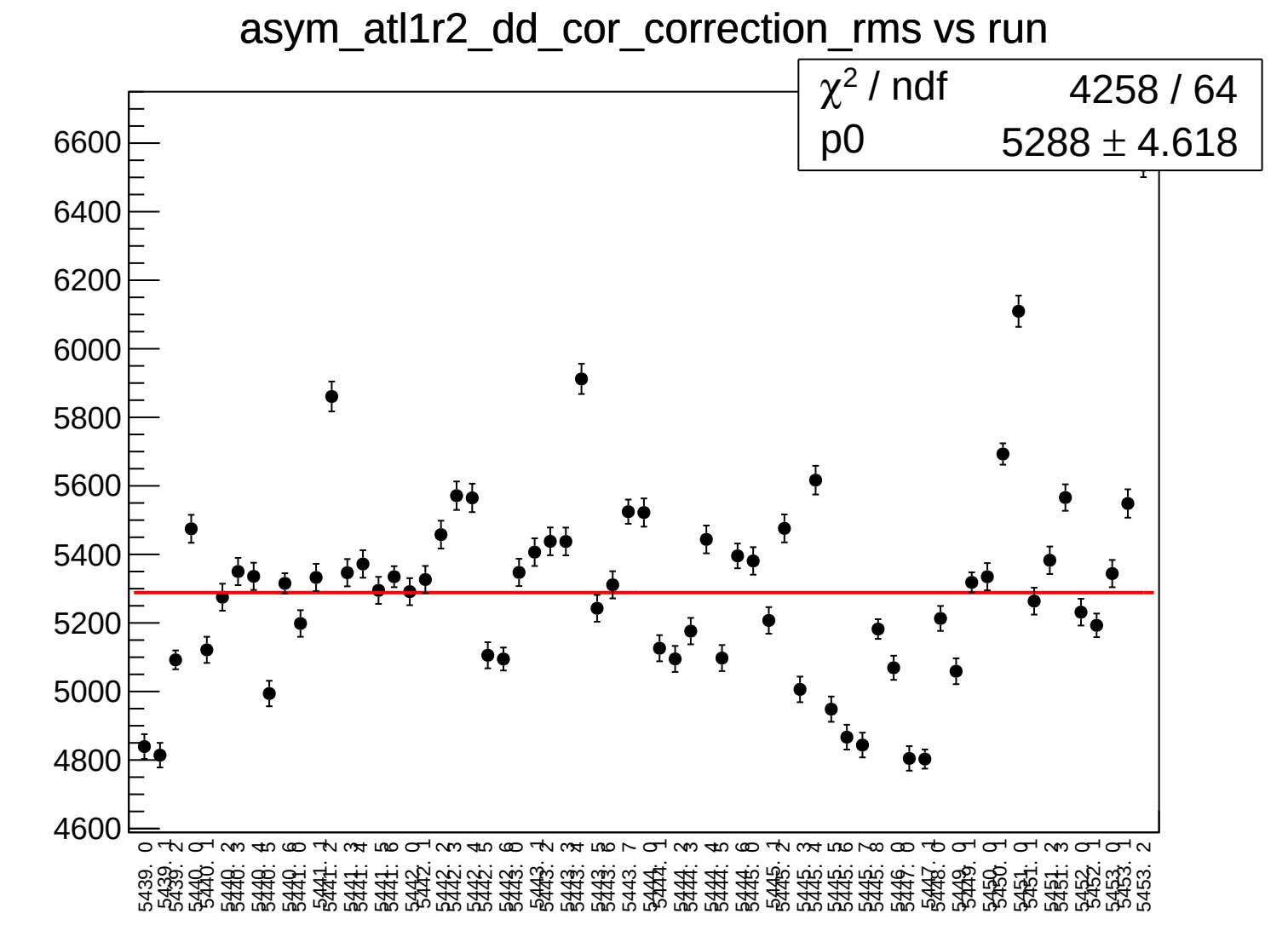

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 53.7 / 64
p0 5871 ± 3298
pull
Entries 65
Mean 637.1
Std Dev 0

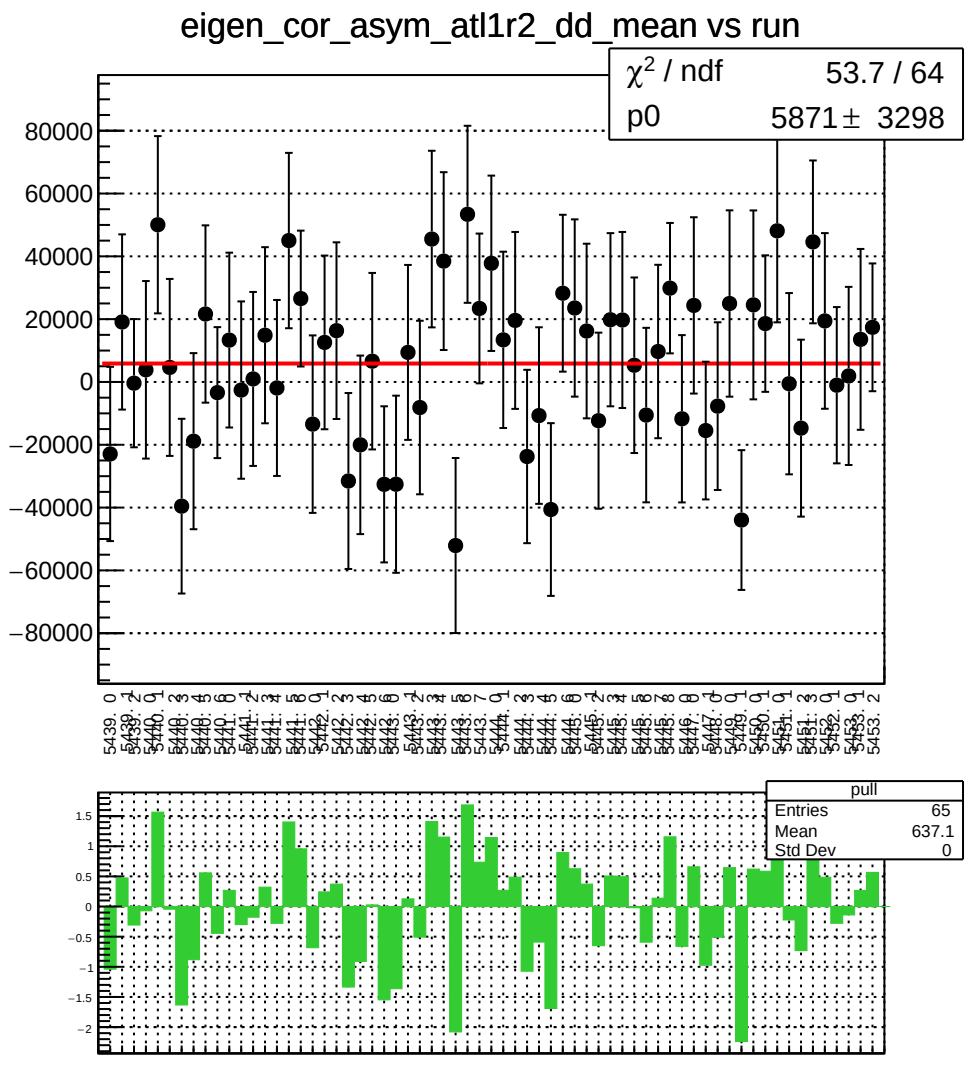

pull1D
Entries 65
Mean 0.003005
Std Dev 0.9089

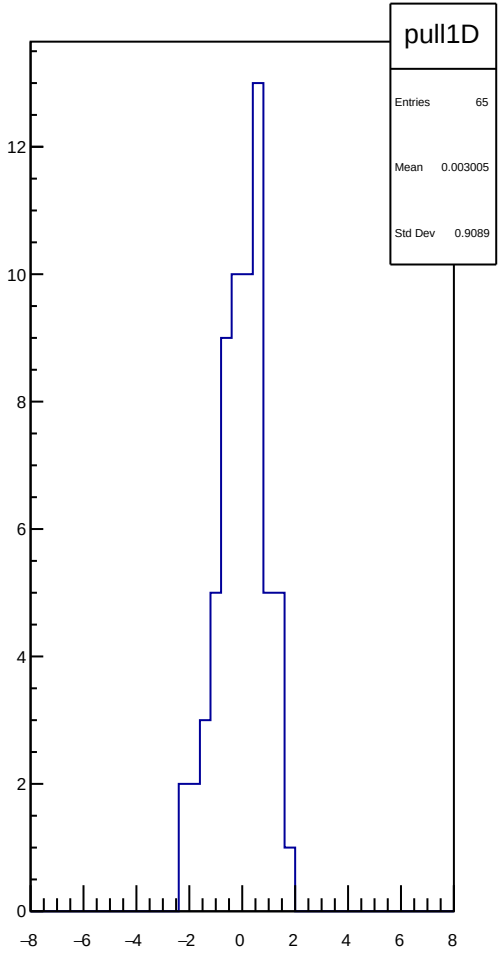

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 490.8 / 64
p0 2674 ± 2.332
2900
2850
2800
2750
2700
2650
2600

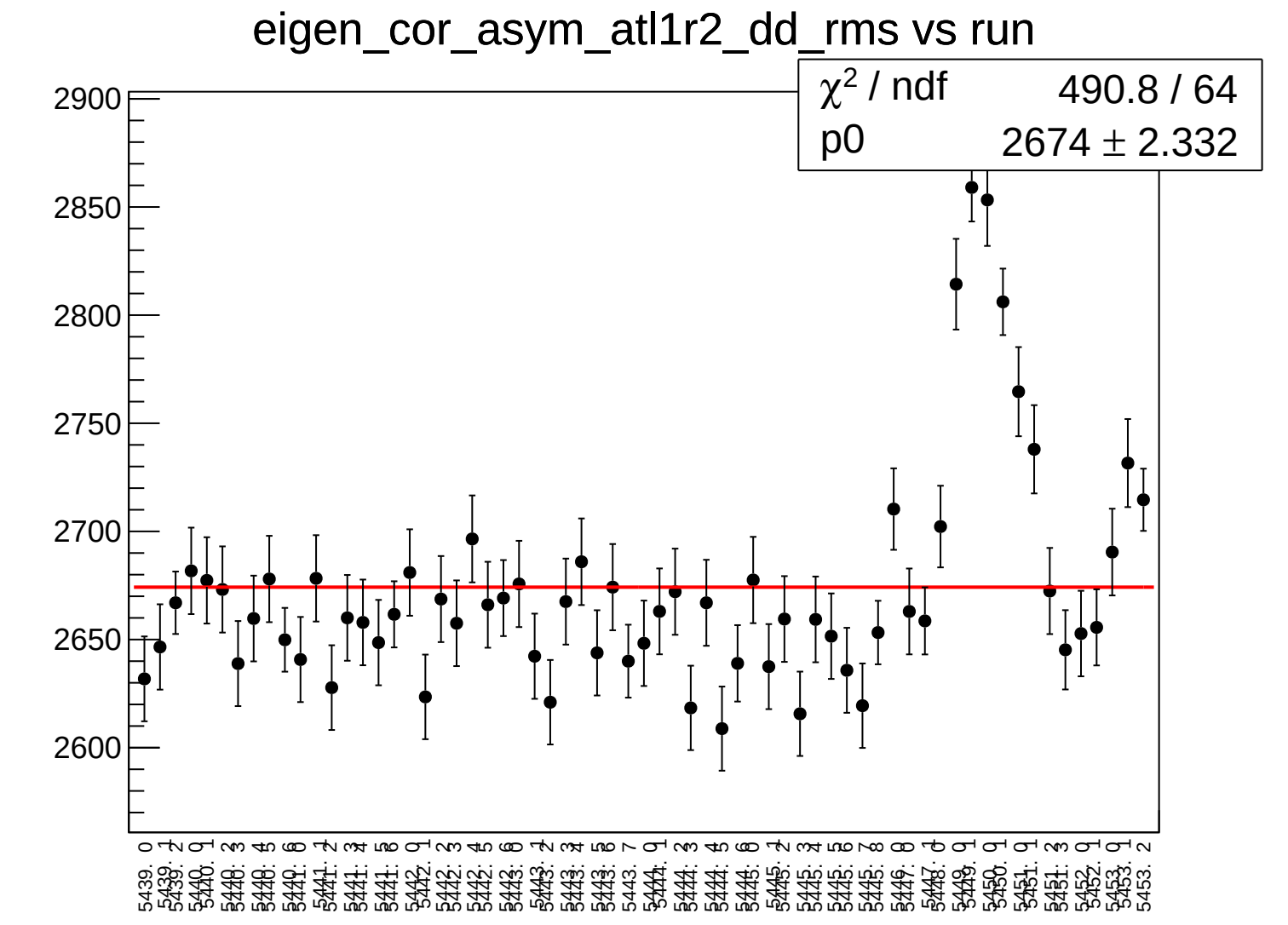

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.93 / 64
p0 −415.5 ± 6531
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −6.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

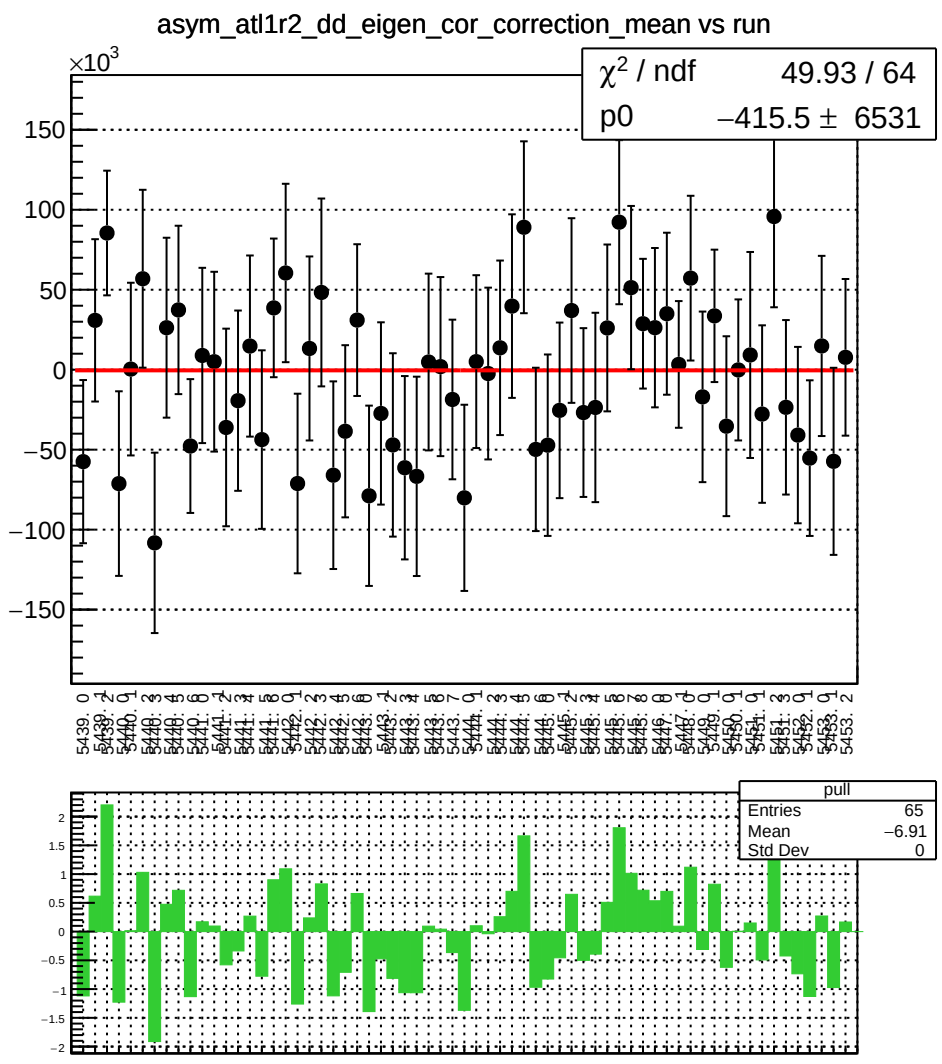

pull1D
Entries 65
Mean −0.03277
Std Dev 0.8759
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

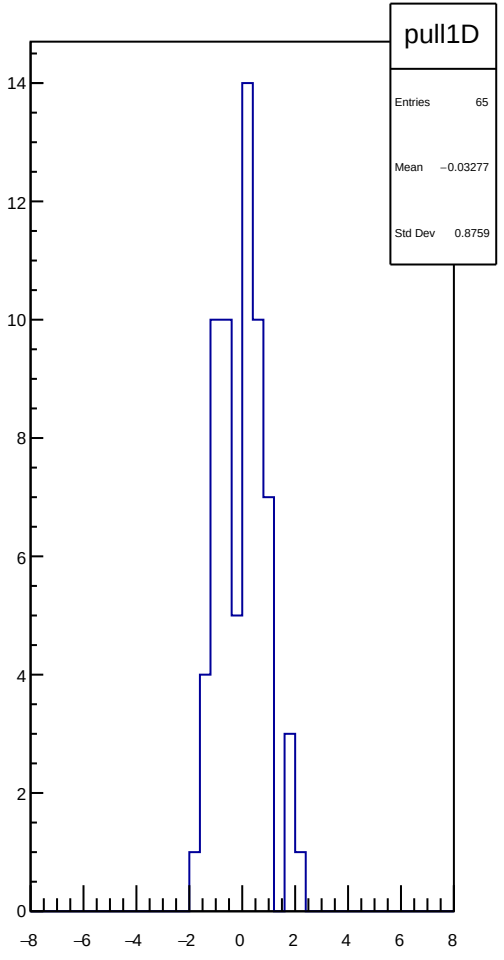

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 4258 / 64
p0 5288 ± 4.618
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

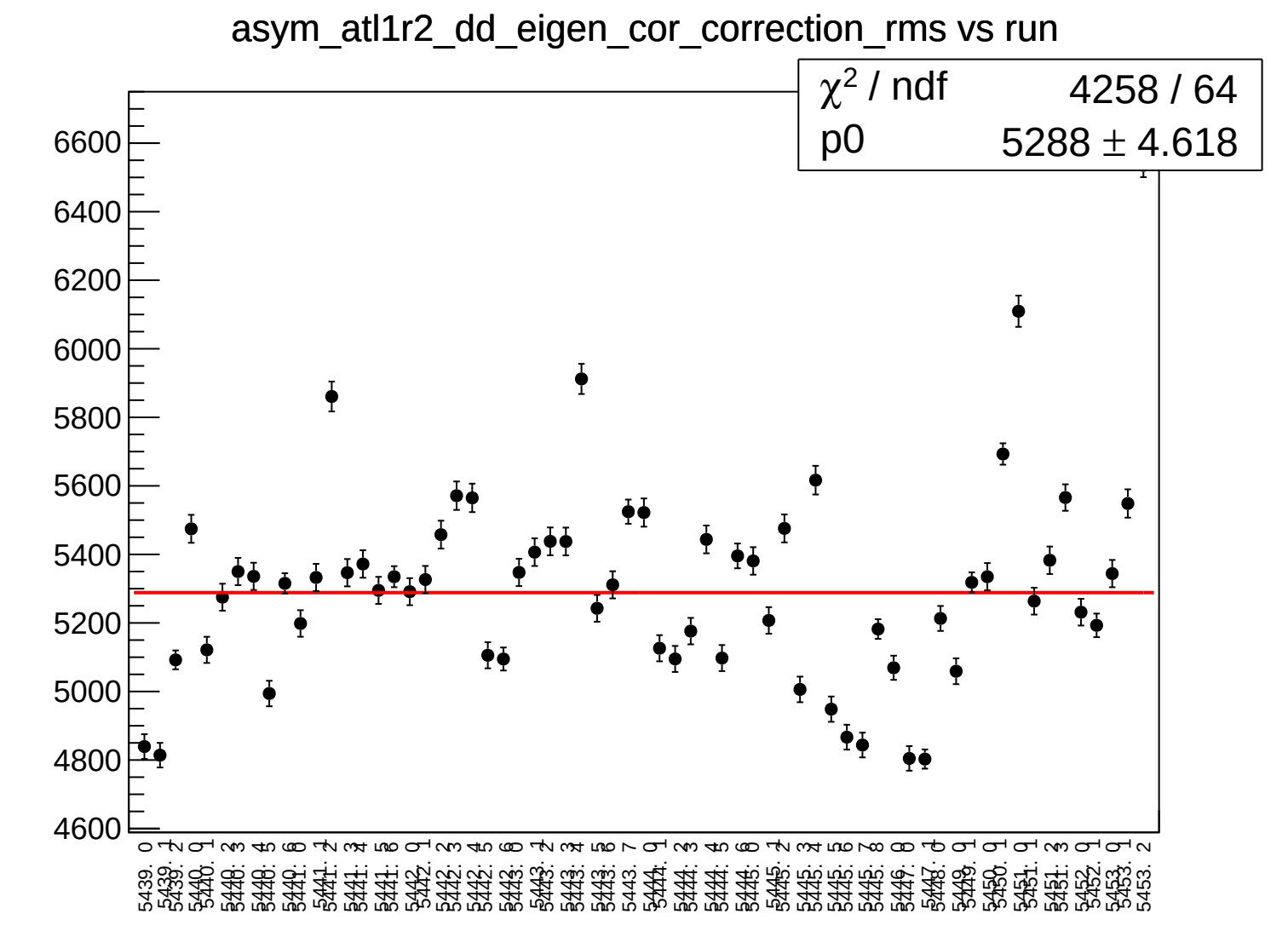

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 53.7 / 64
p0 5871 ± 3298
pull
Entries 65
Mean 637.1
Std Dev 0

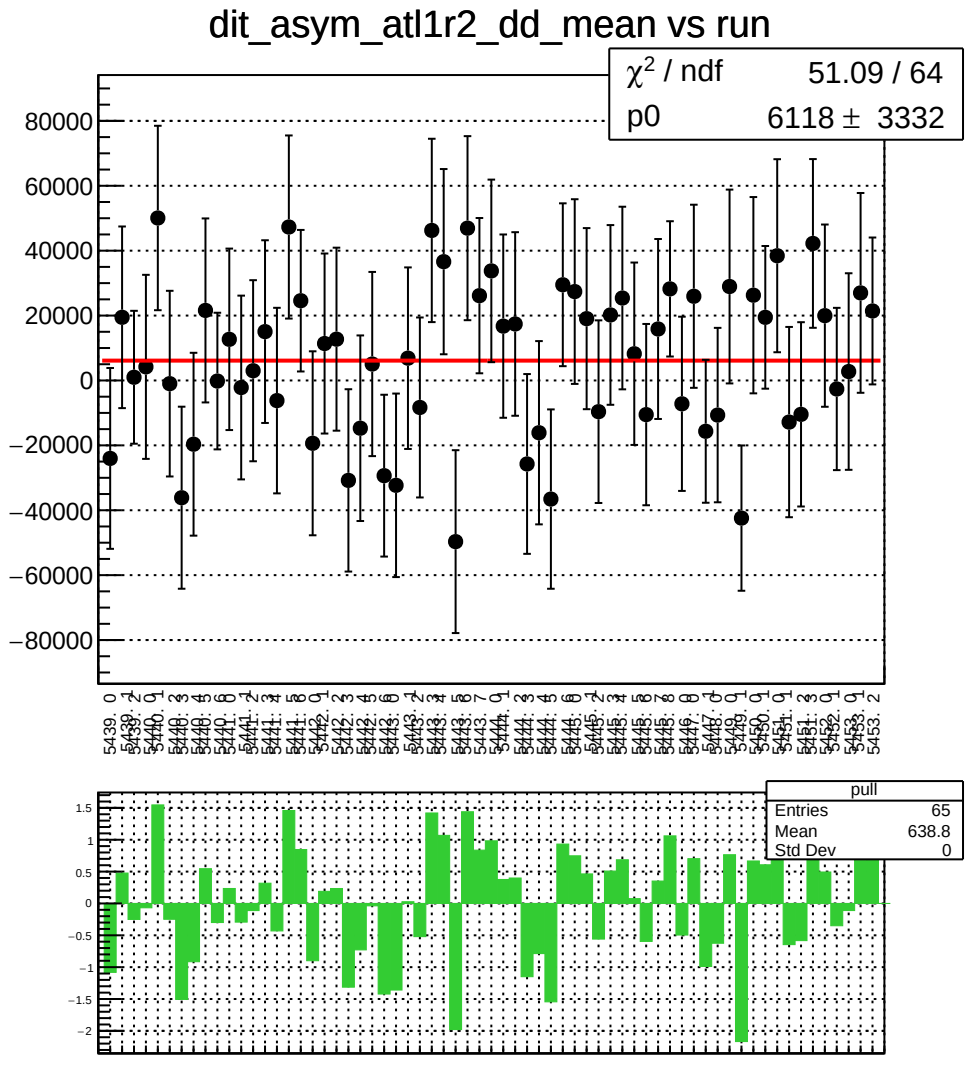

pull1D
Entries 65
Mean 0.003005
Std Dev 0.9089

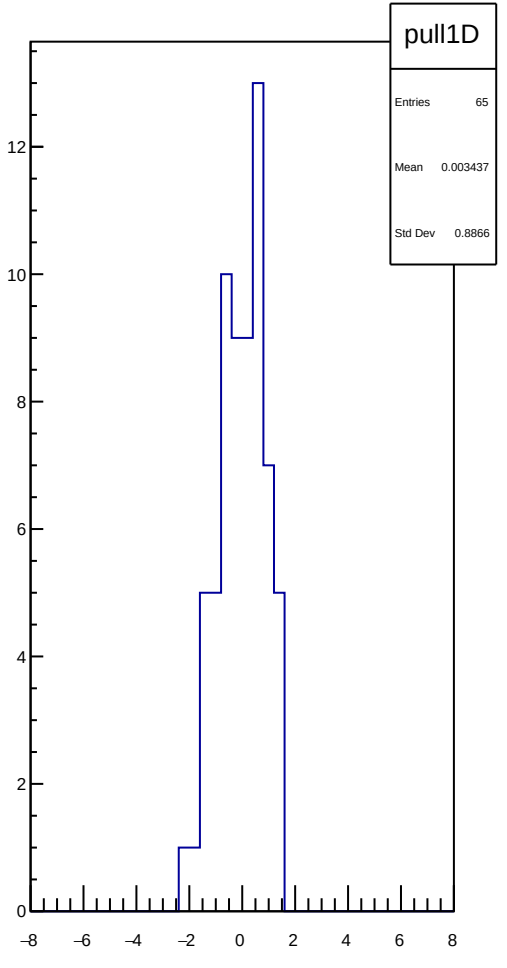

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 490.8 / 64
p0 2674 ± 2.332
2900
2850
2800
2750
2700
2650
2600

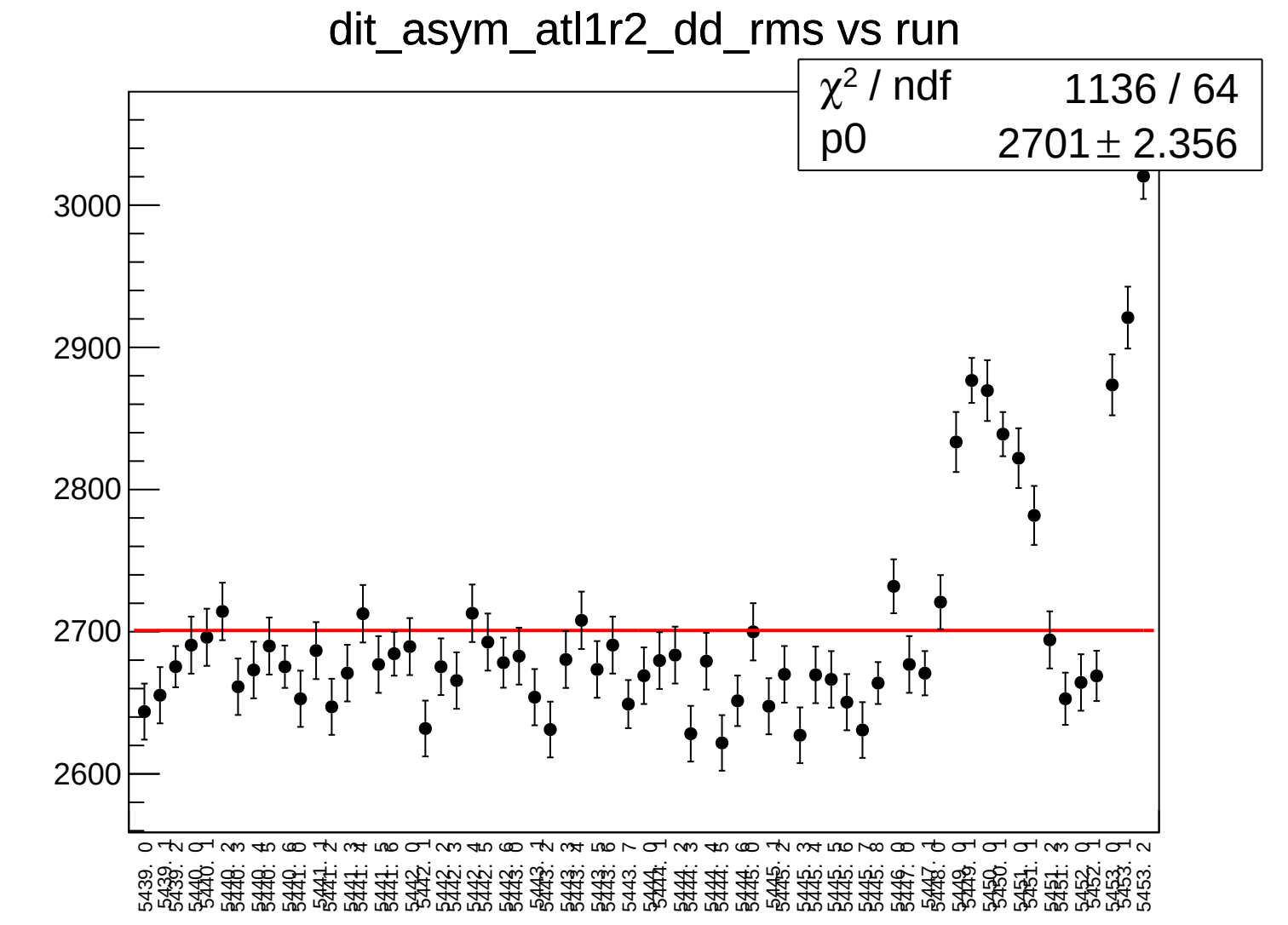

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.93 / 64
p0 −415.5 ± 6531
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −6.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

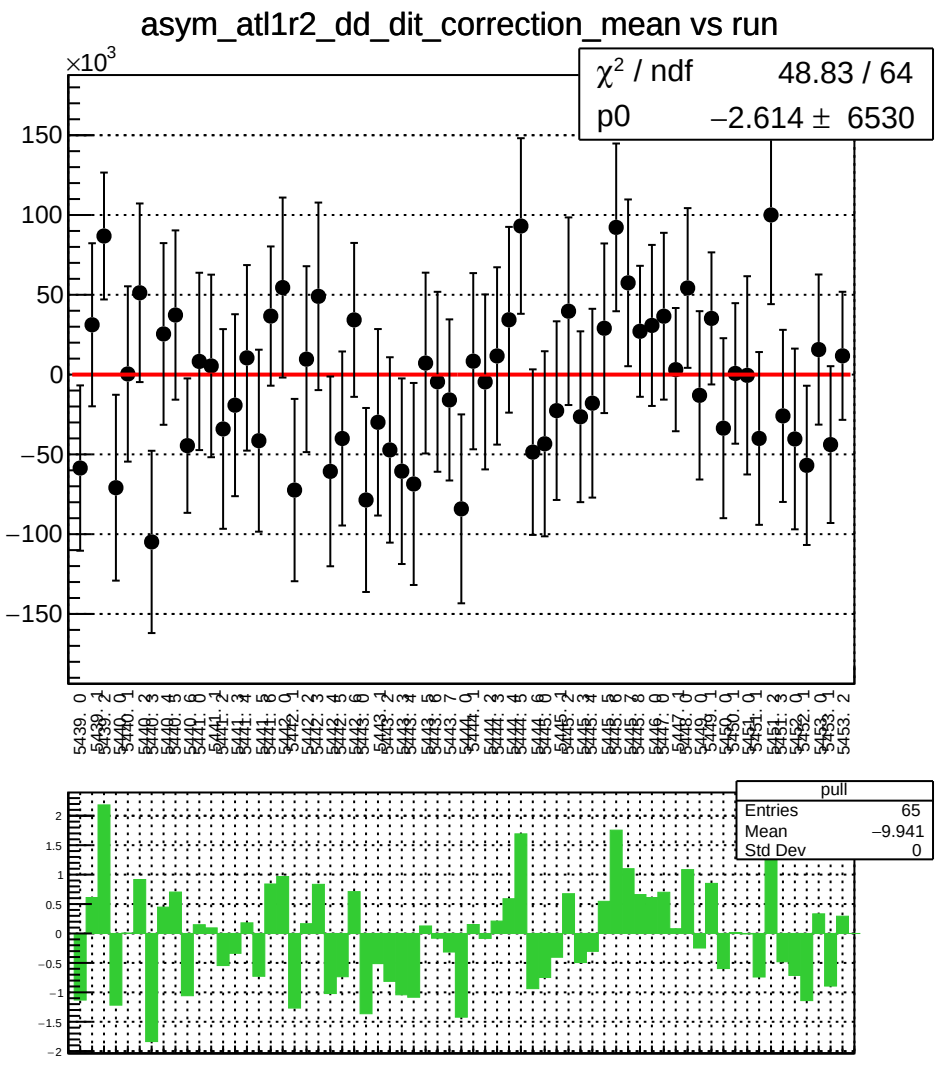

pull1D
Entries 65
Mean −0.03277
Std Dev 0.8759
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

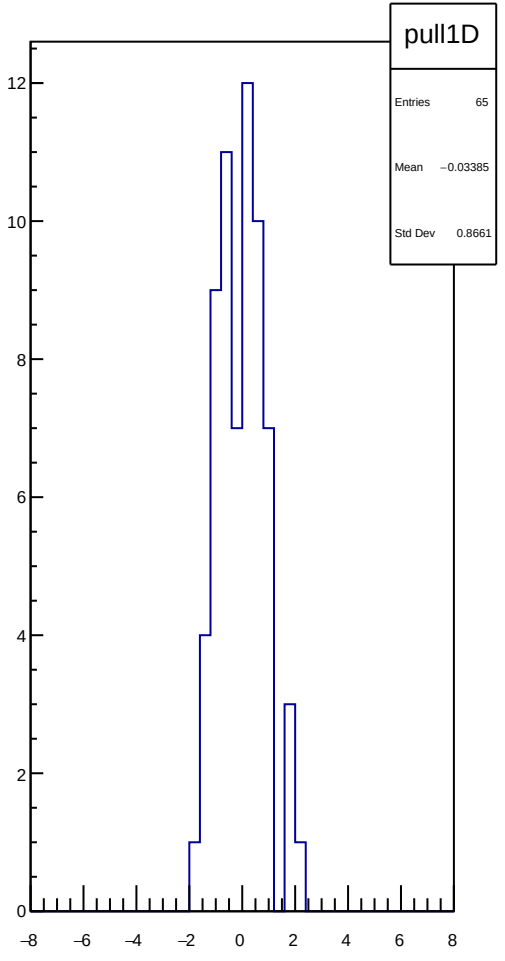

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4258 / 64
p0 5288 ± 4.618
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

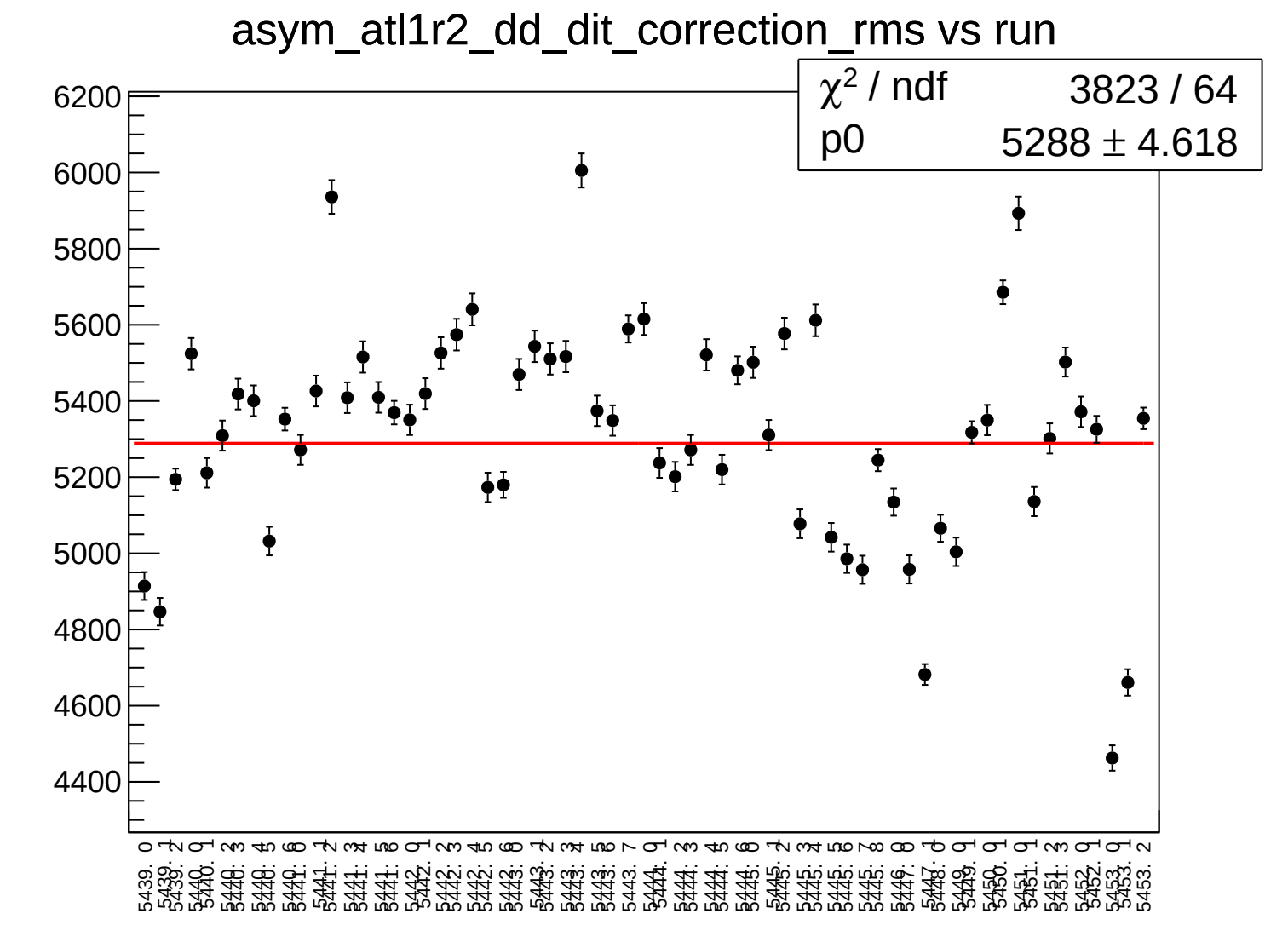

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 51.09 / 64
p0 6118 ± 3332
pull
Entries 65
Mean 638.8
Std Dev 0

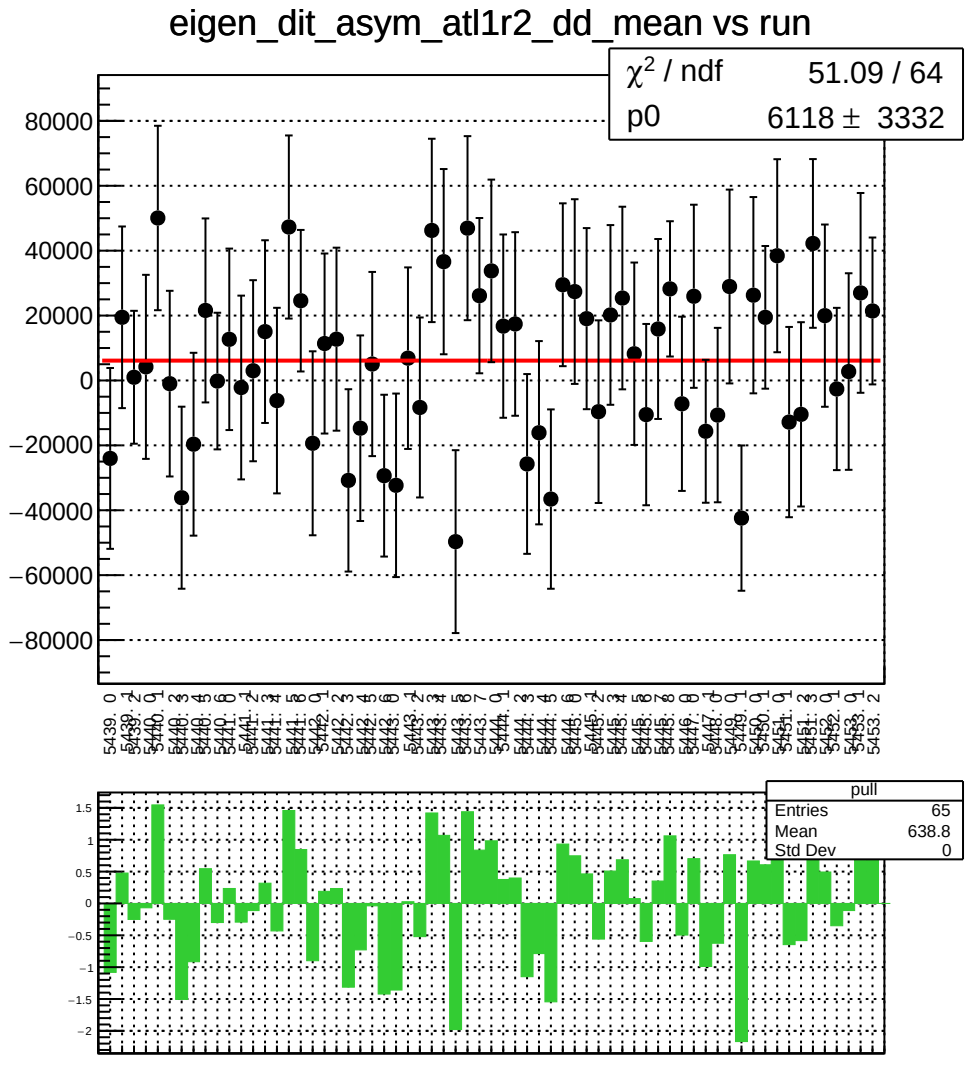

pull1D
Entries 65
Mean 0.003437
Std Dev 0.8866

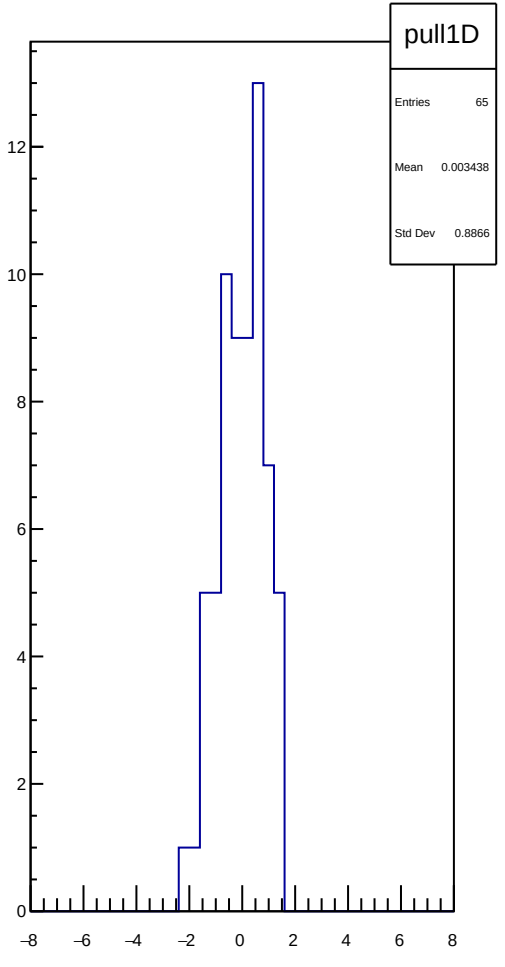

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 1136 / 64
p0 2701 ± 2.356
3000
2900
2800
2700
2600

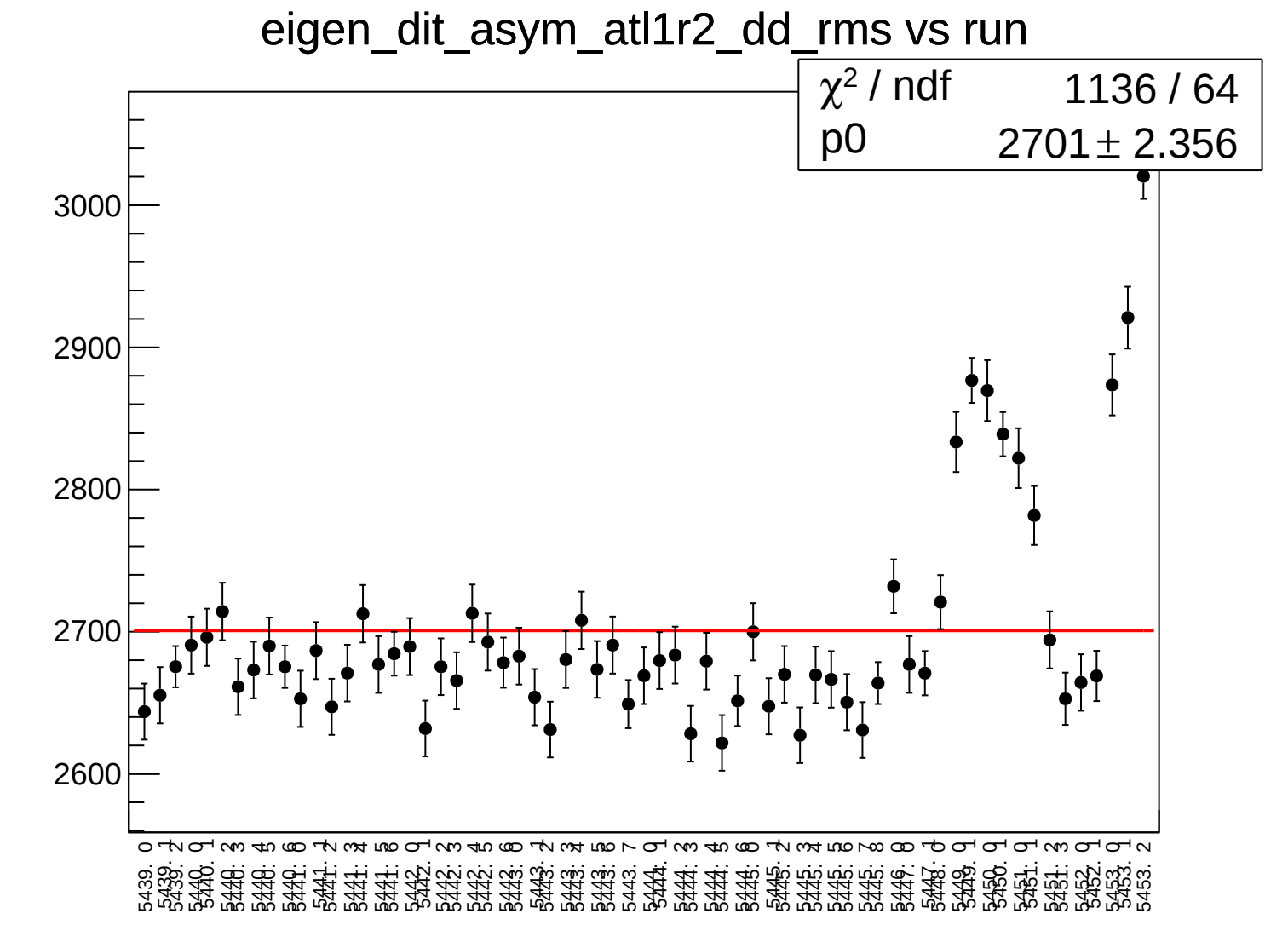

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 48.83 / 64
p0 −2.614 ± 6530
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −9.941
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

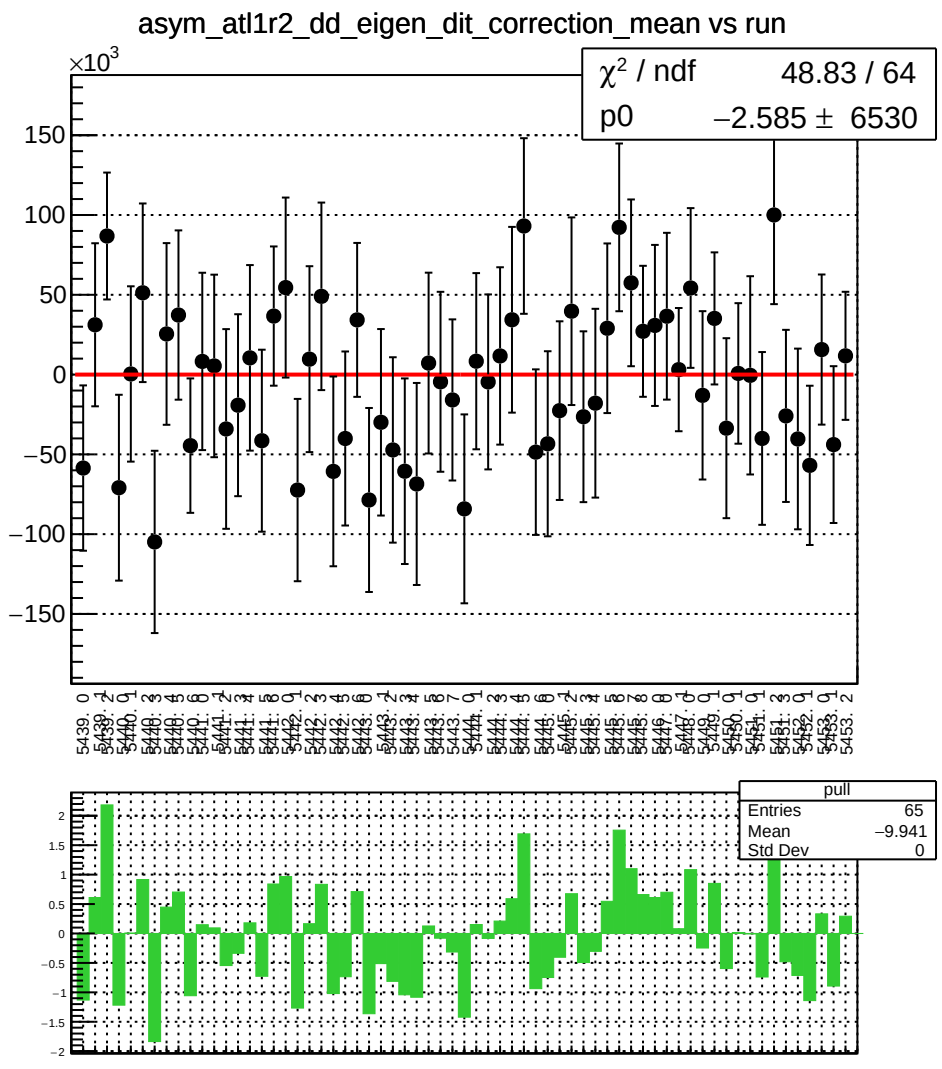

pull1D
Entries 65
Mean −0.03385
Std Dev 0.8661
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

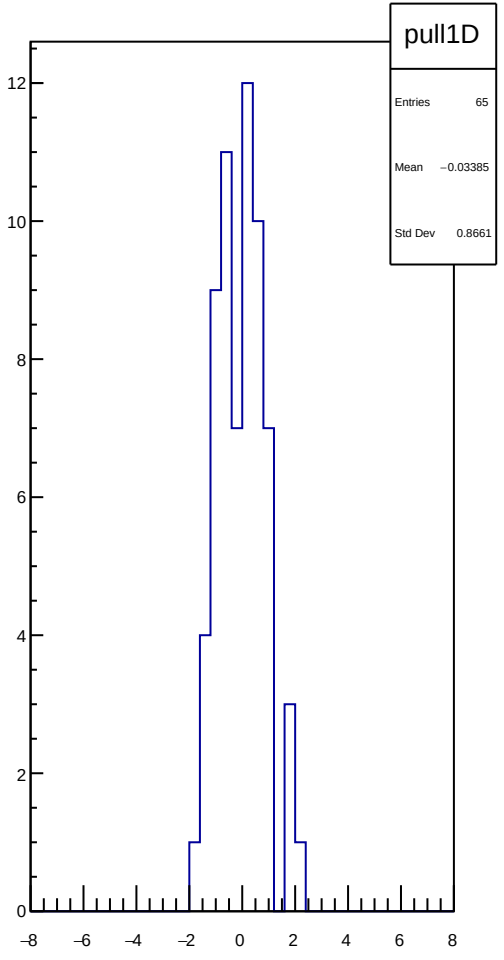

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 3823 / 64
p0 5288 ± 4.618
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

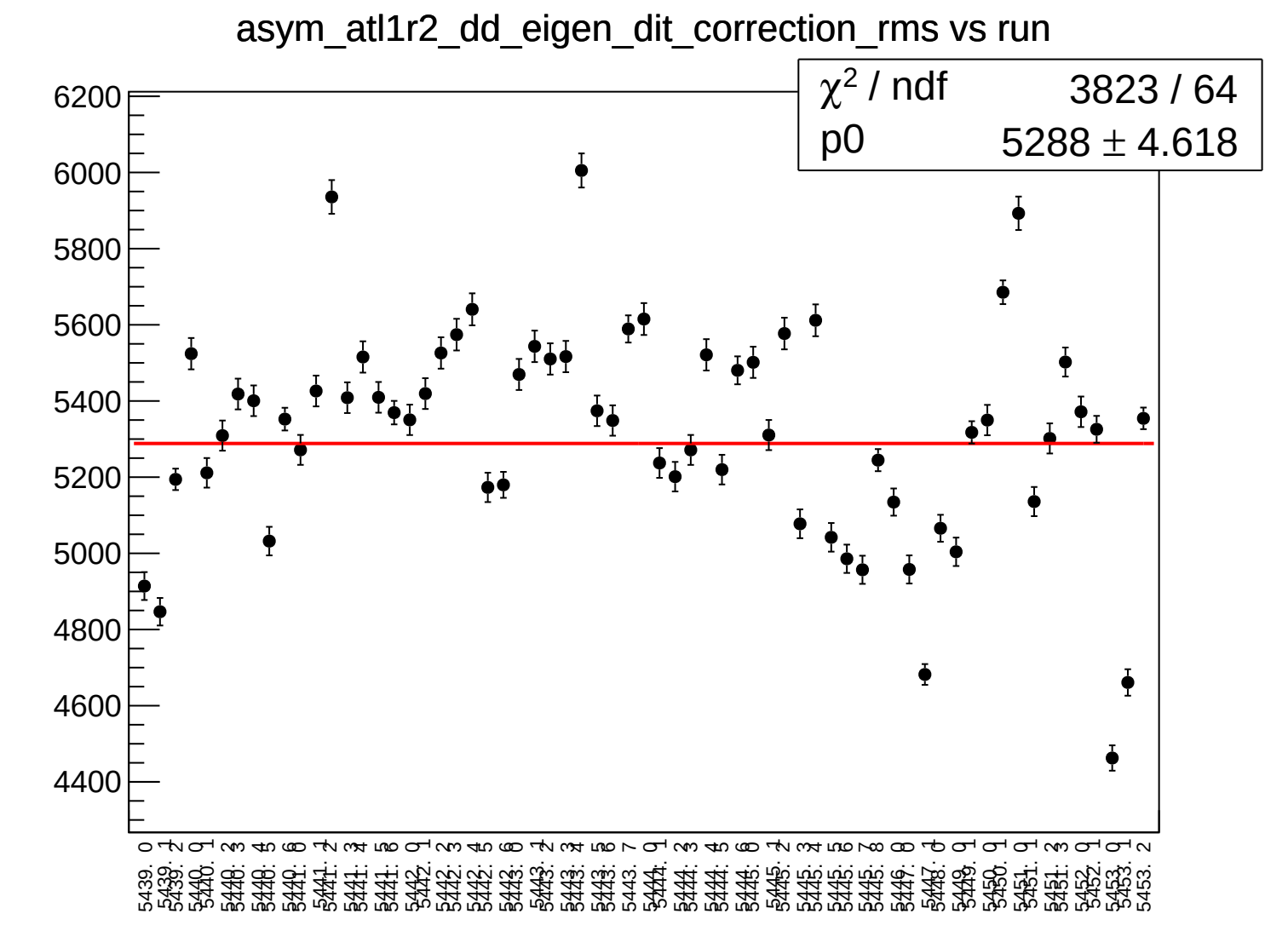

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 51.09 / 64
p0 6118 ± 3332
pull
Entries 65
Mean 638.8
Std Dev 0

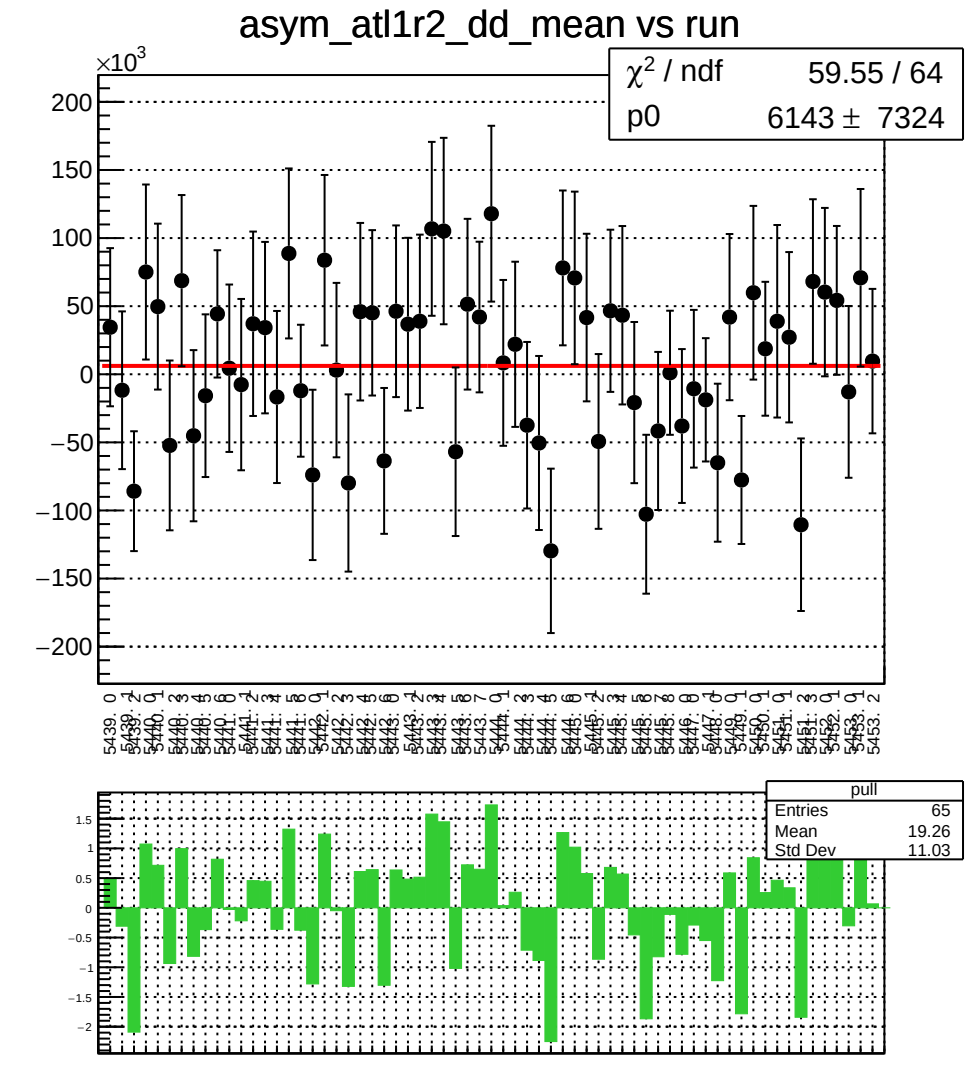

pull1D
Entries 65
Mean 0.003438
Std Dev 0.8866

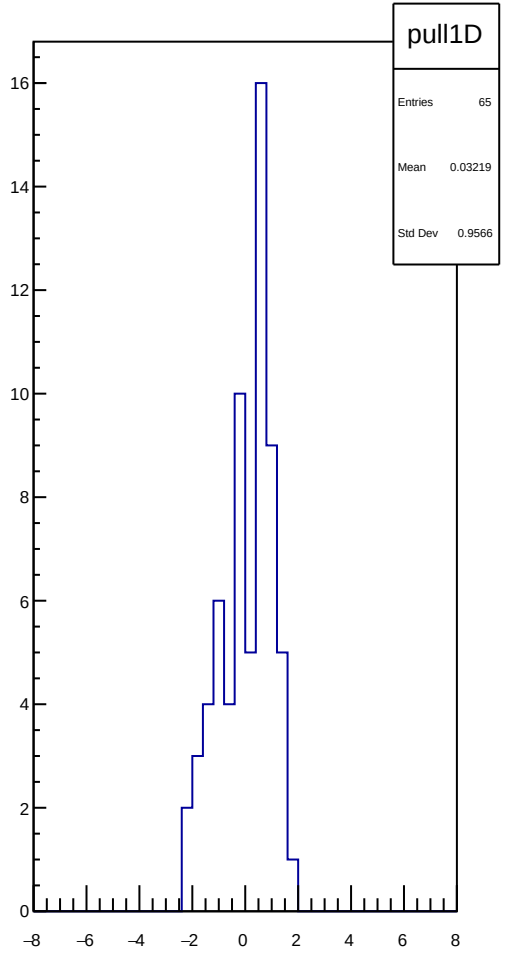

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 1136 / 64
p0 2701 ± 2.356
3000
2900
2800
2700
2600

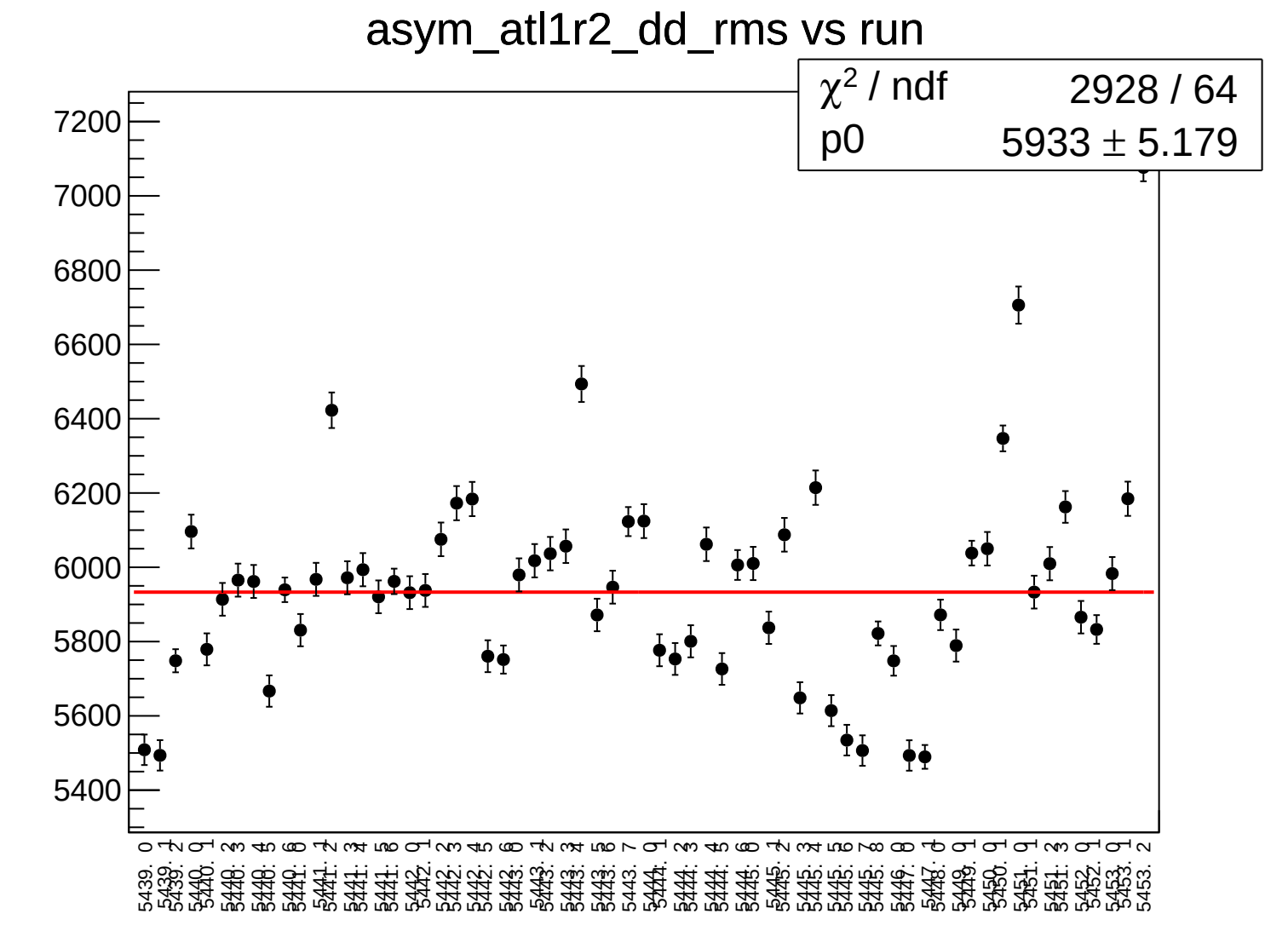

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 48.83 / 64
p0 −2.585 ± 6530
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −9.941
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

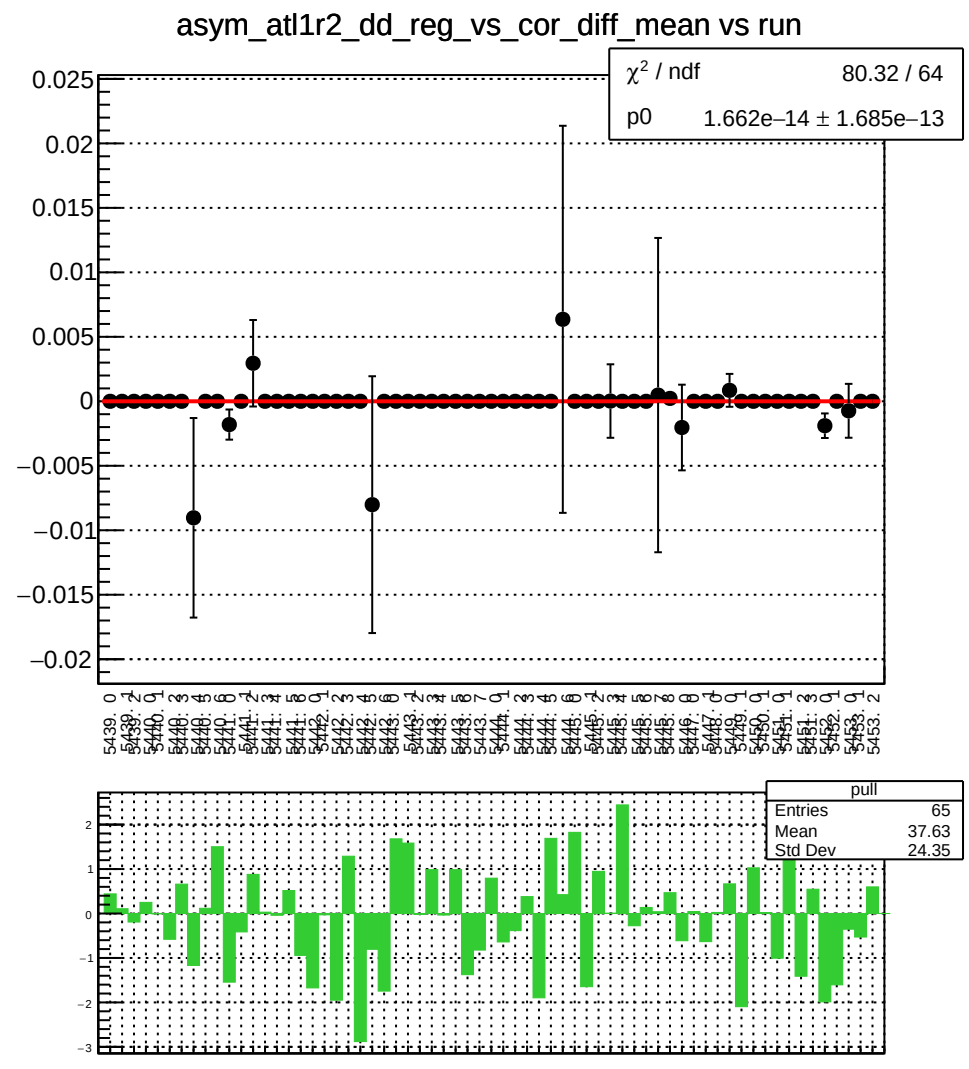

pull1D
Entries 65
Mean −0.03385
Std Dev 0.8661
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

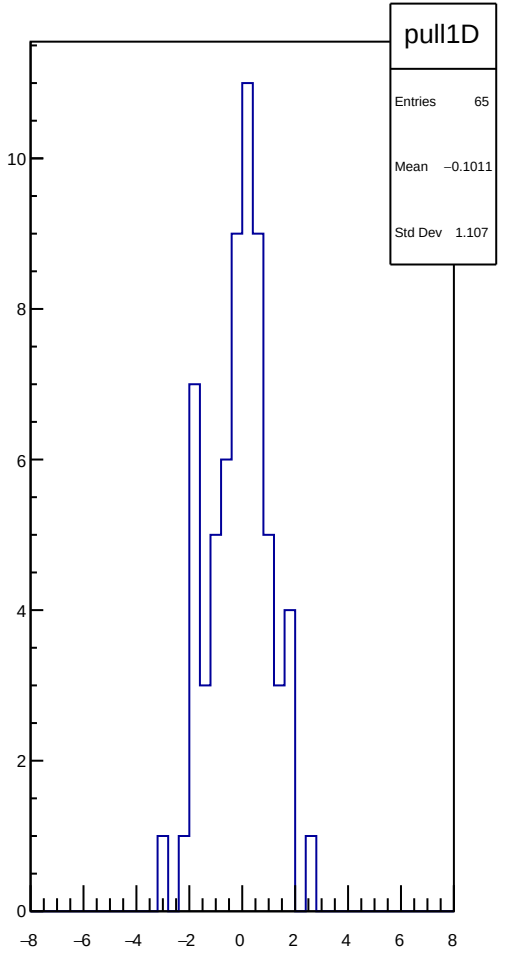

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3823 / 64
p0 5288 ± 4.618
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

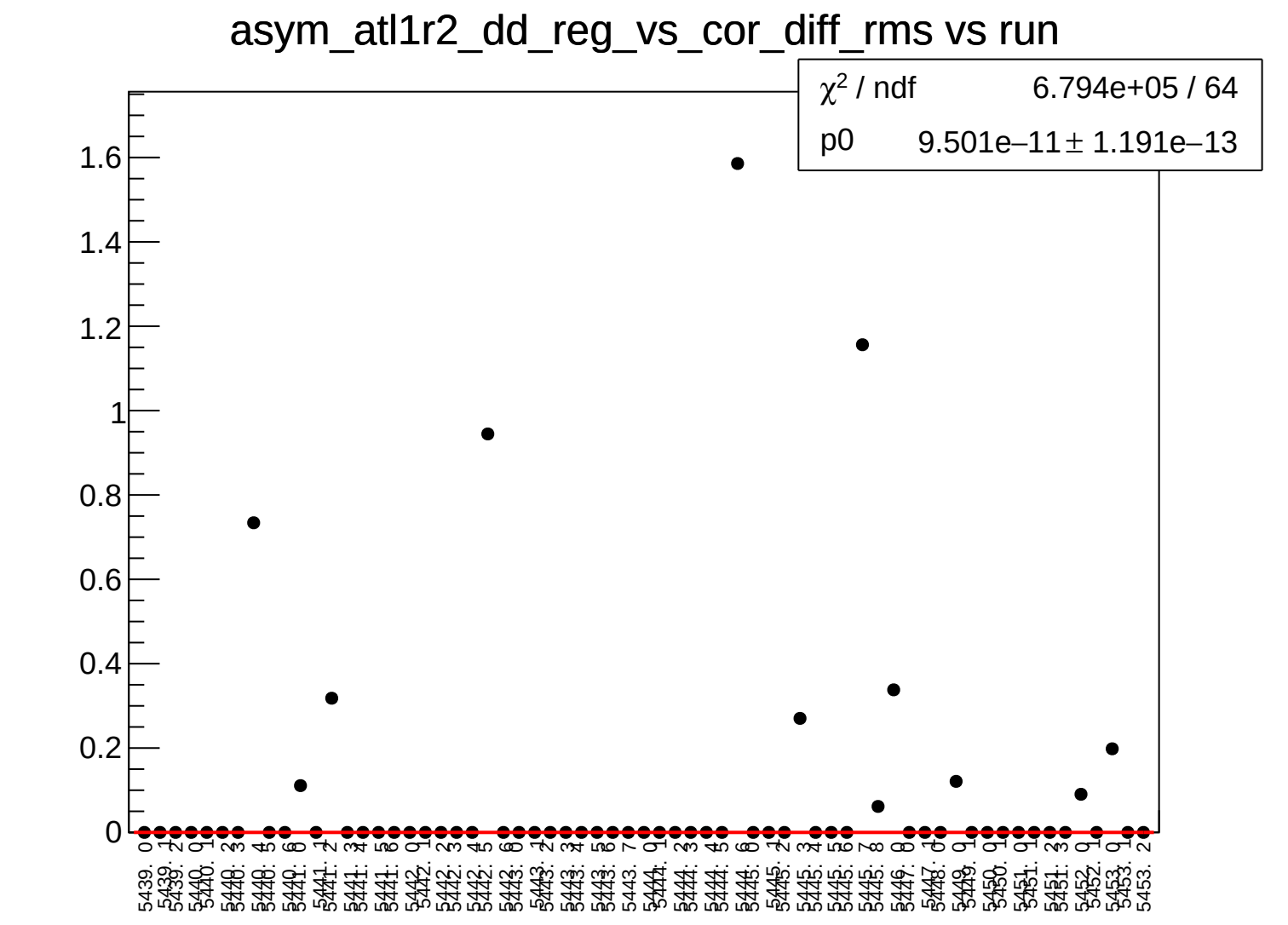

asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 59.55 / 64
p0 6143 ± 7324
pull
Entries 65
Mean 19.26
Std Dev 11.03

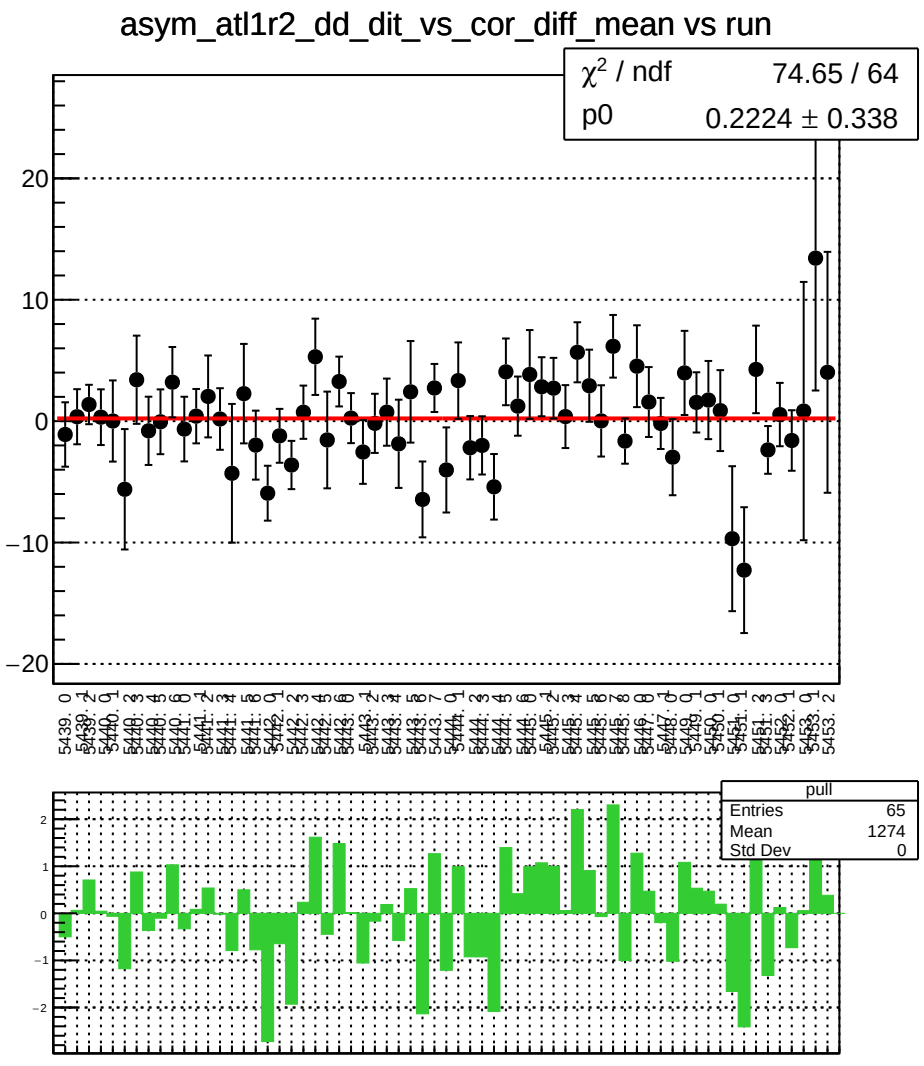

pull1D
Entries 65
Mean 0.03219
Std Dev 0.9566

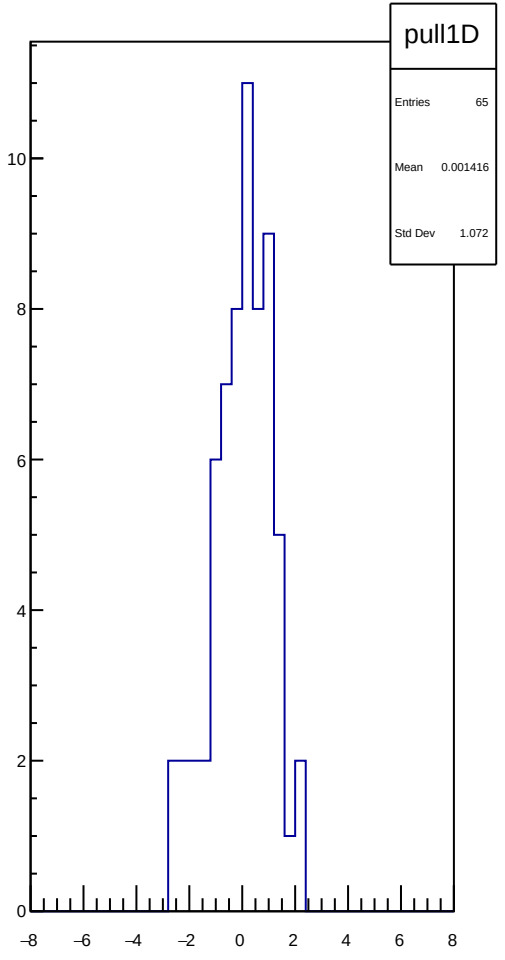

asym_atl1r2_dd_rms vs run
χ² / ndf 2928 / 64
p0 5933 ± 5.179
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

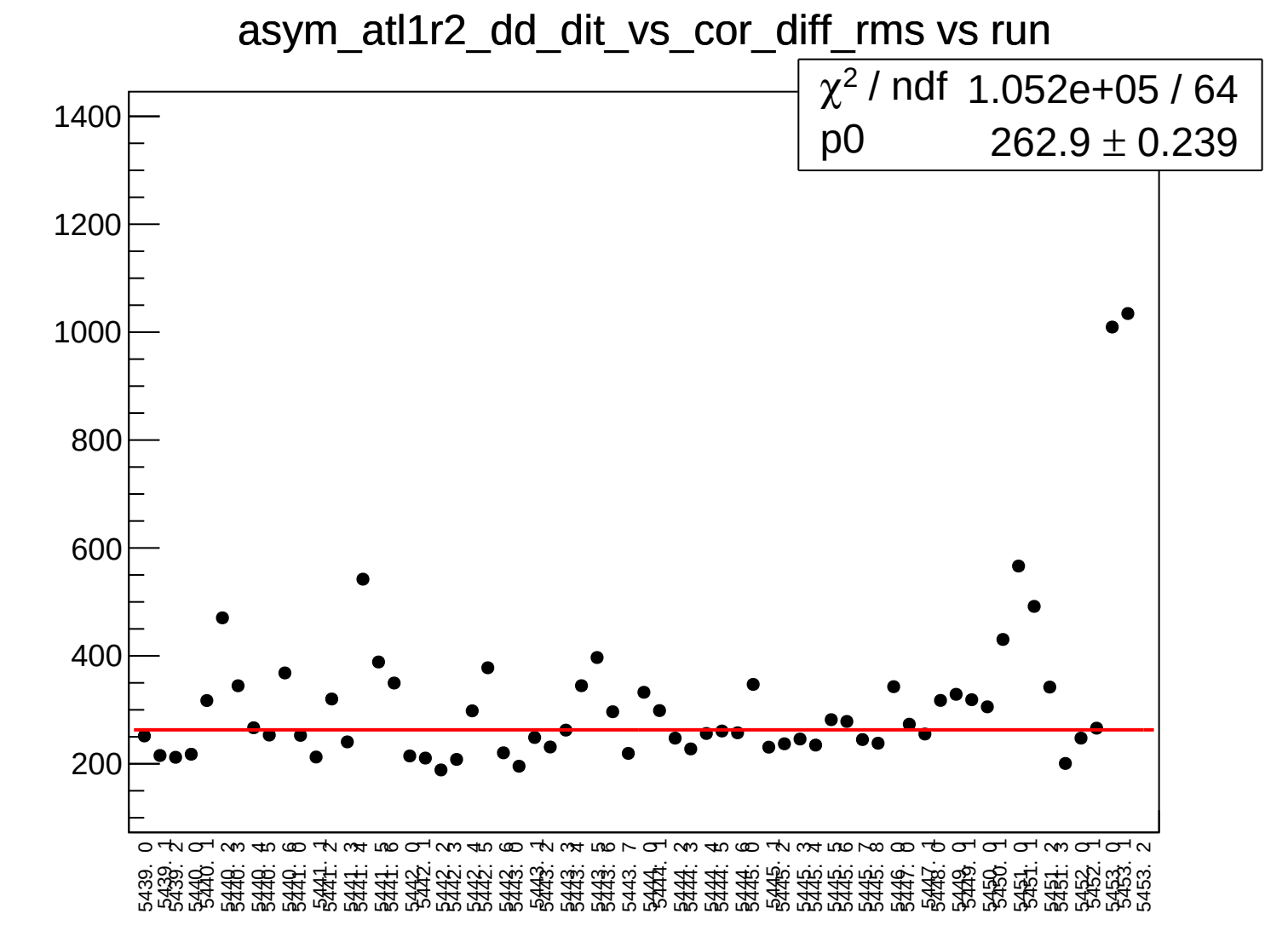

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.32 / 64
p0 1.662e−14 ± 1.685e−13
pull
Entries 65
Mean 37.63
Std Dev 24.35

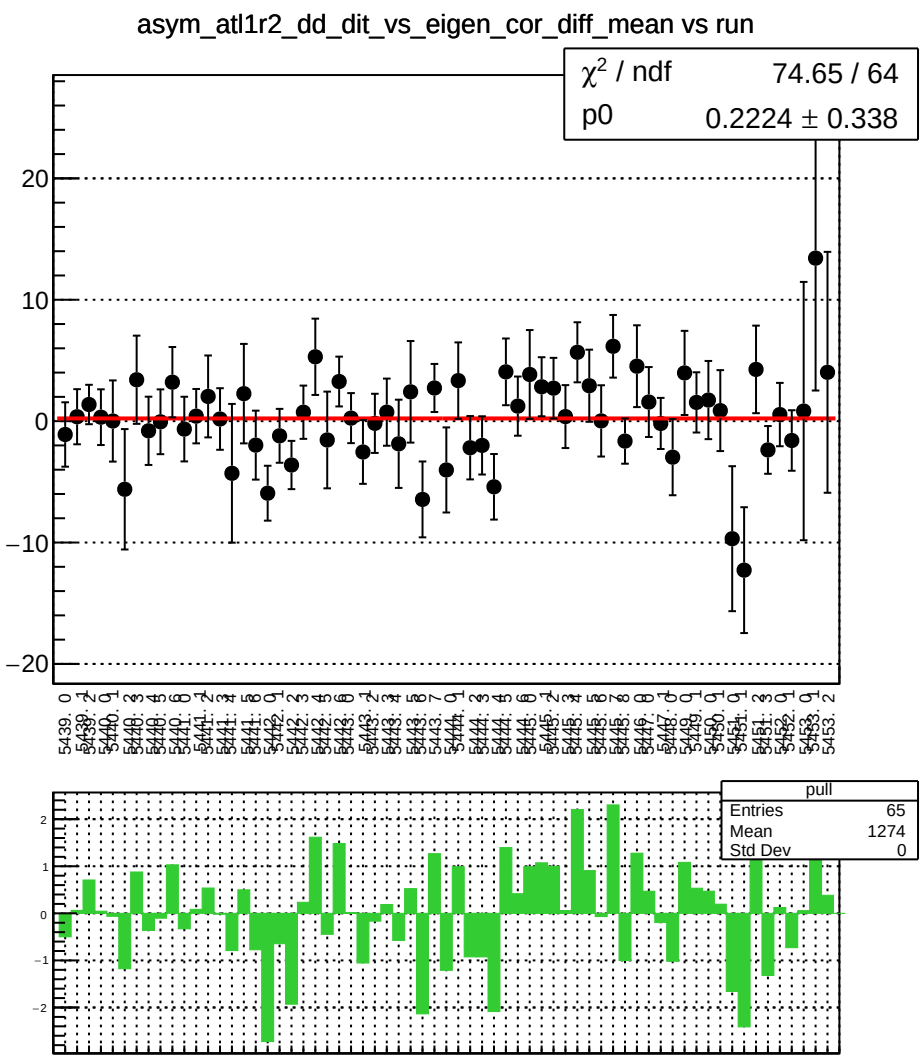

pull1D
Entries 65
Mean −0.1011
Std Dev 1.107

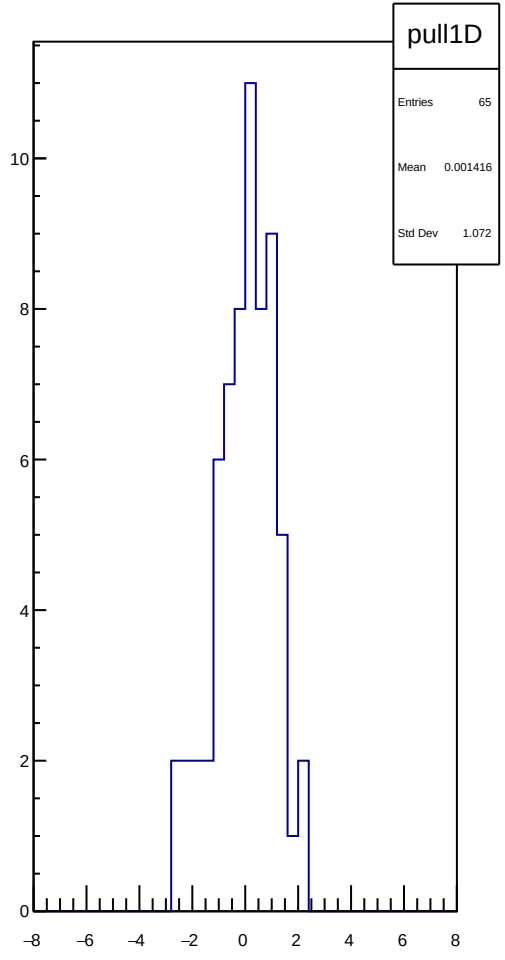

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.794e+05 / 64
p0 9.501e−11 ± 1.191e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

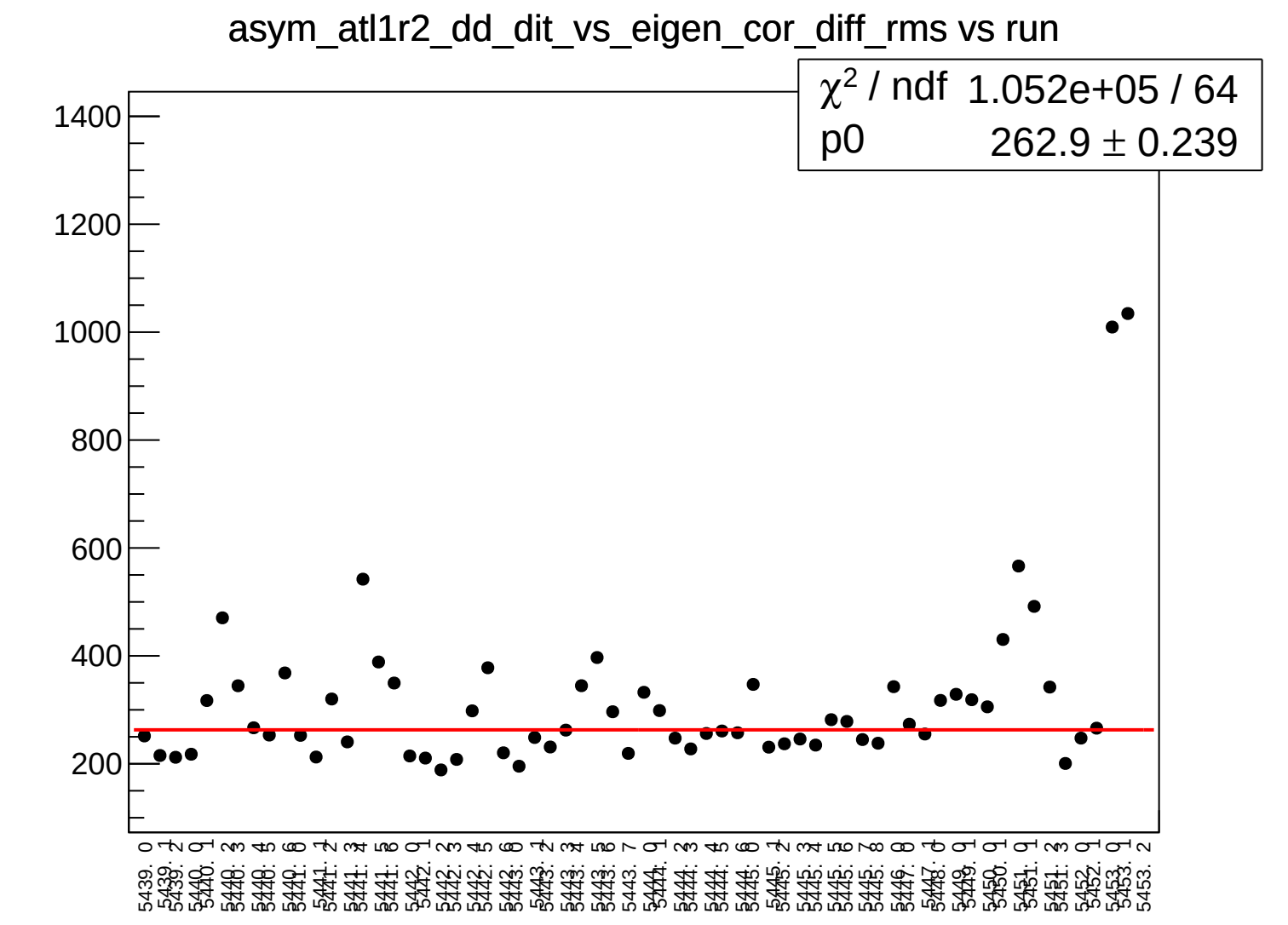

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.65 / 64
p0 0.2224 ± 0.338
pull
Entries 65
Mean 1274
Std Dev 0

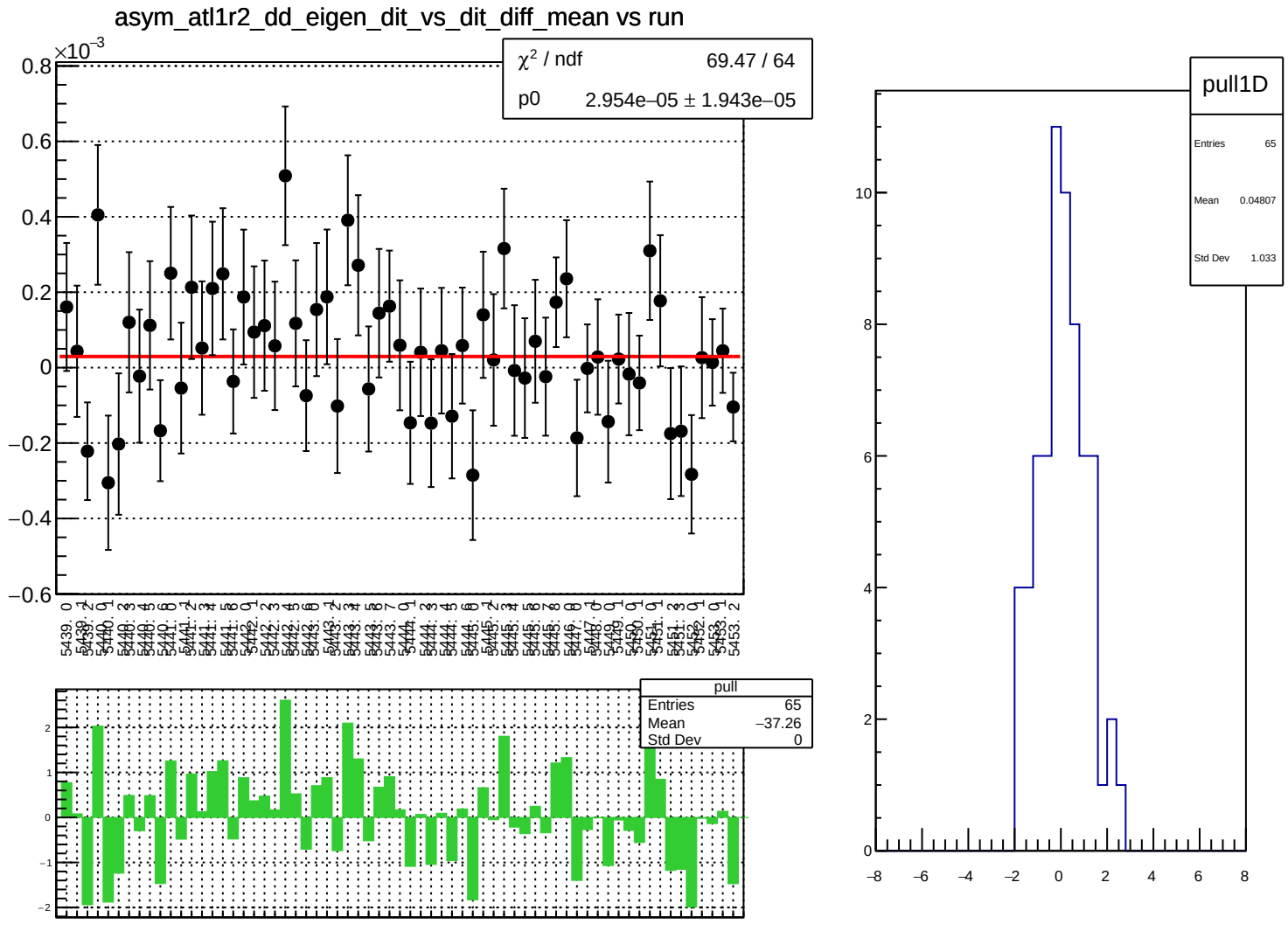

pull1D
Entries 65
Mean 0.001416
Std Dev 1.072

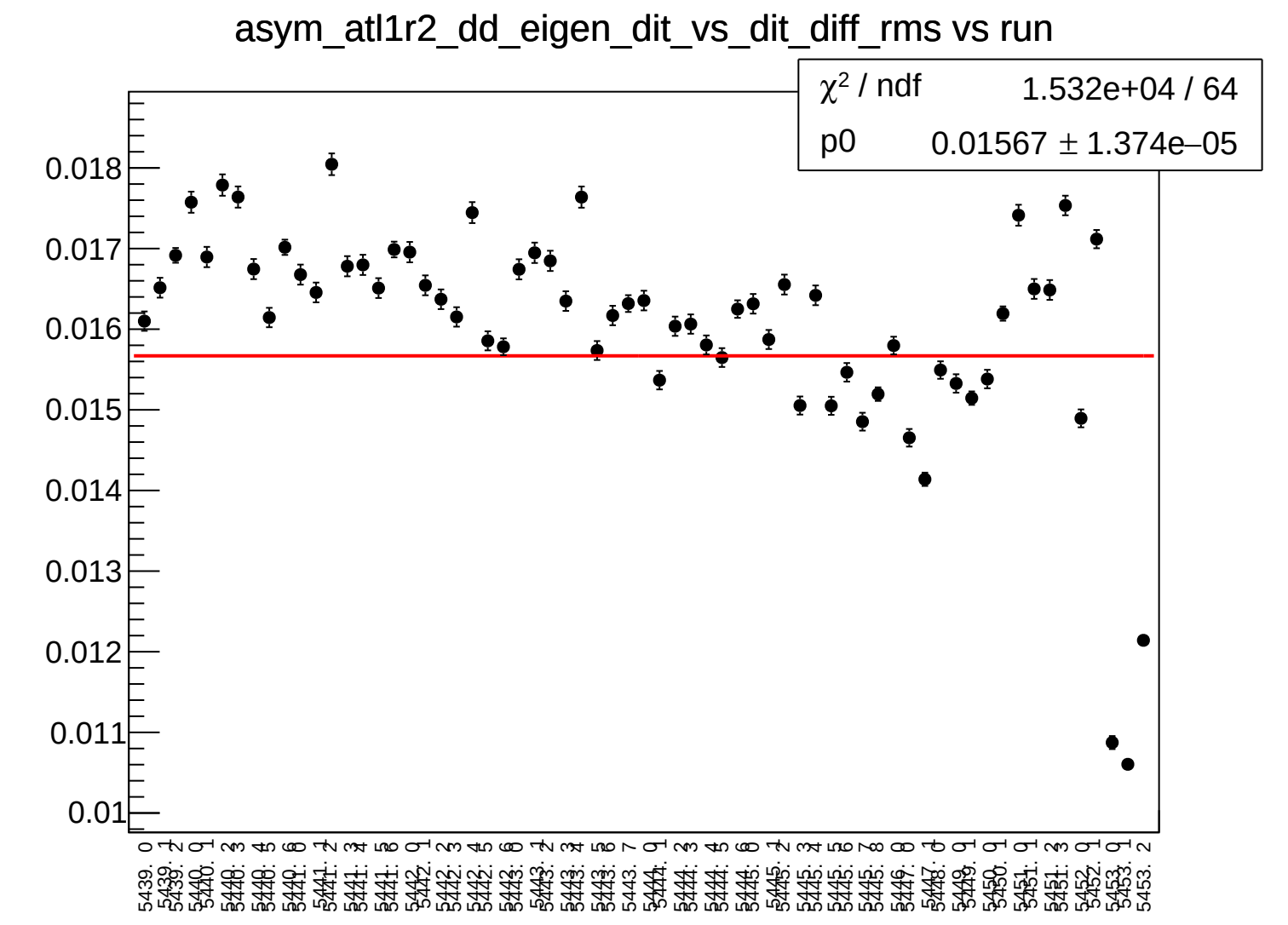

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 64
p0 262.9 ± 0.239
1400
1200
1000
800
600
400
200

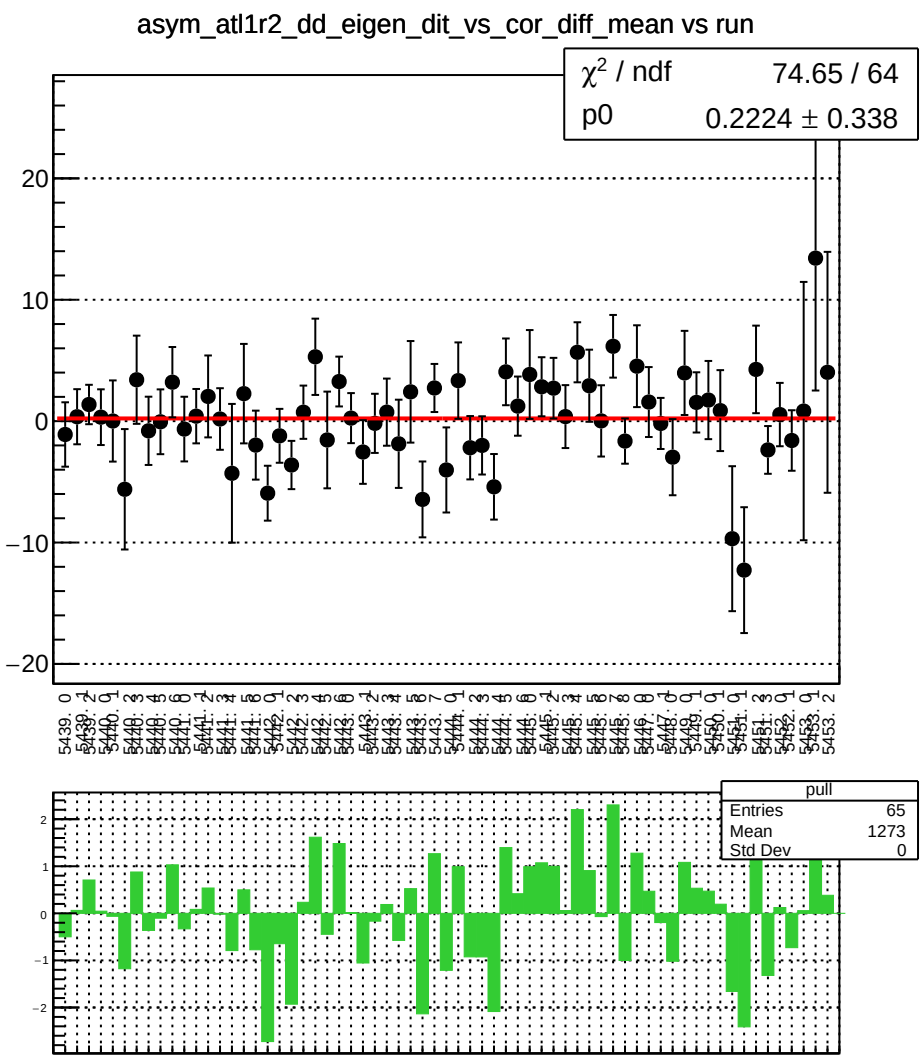

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.65 / 64
p0 0.2224 ± 0.338
pull
Entries 65
Mean 1274
Std Dev 0

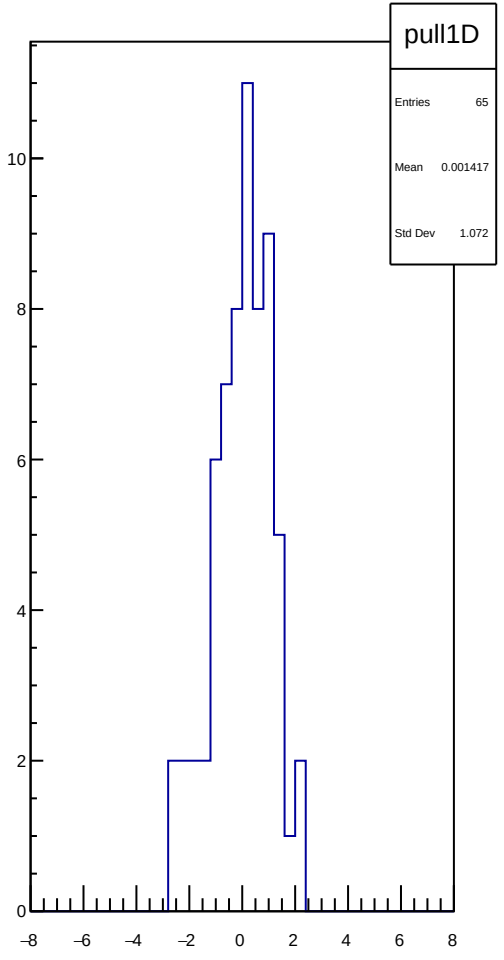

pull1D
Entries 65
Mean 0.001416
Std Dev 1.072

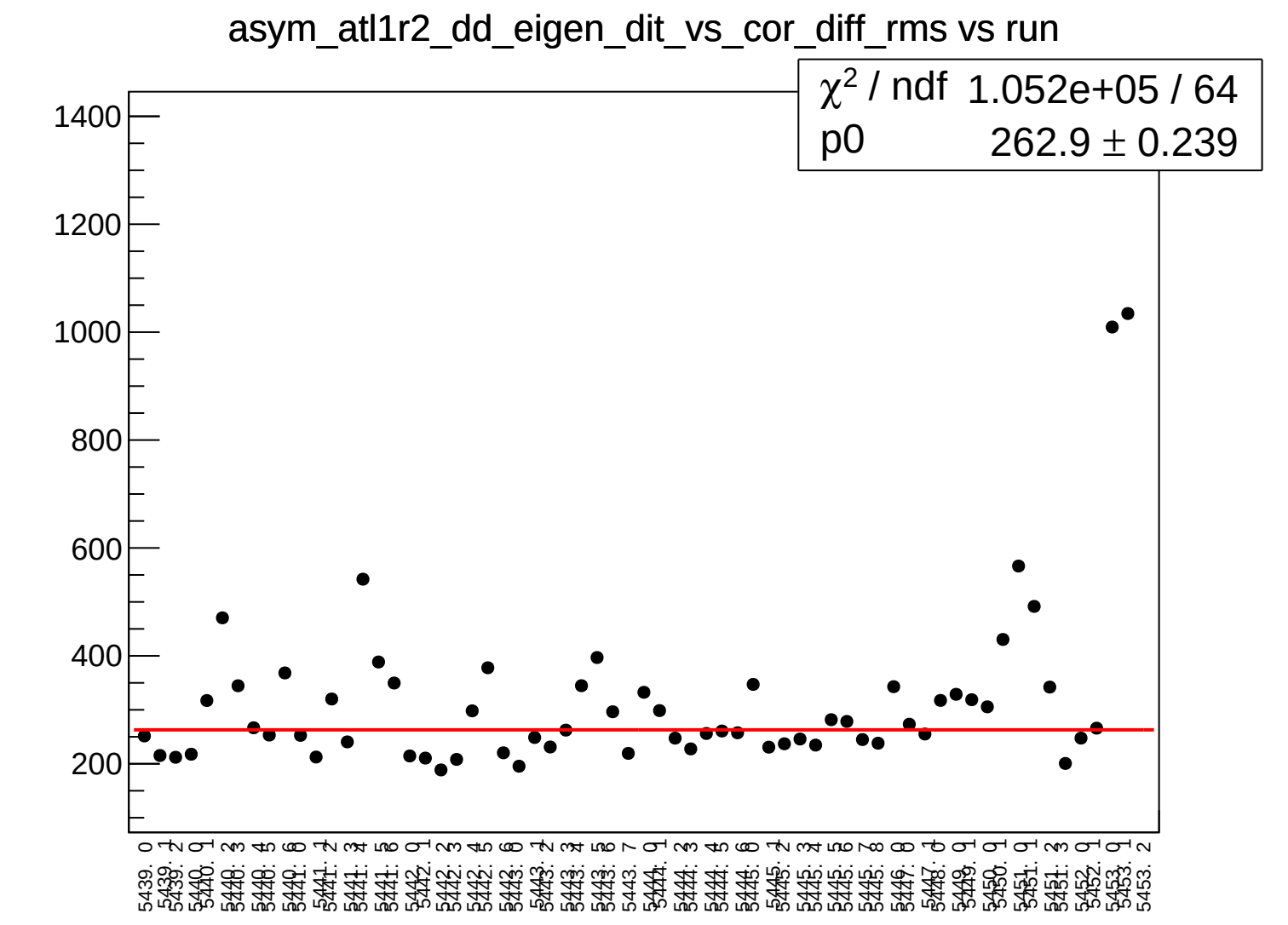

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 64
p0 262.9 ± 0.239
1400
1200
1000
800
600
400
200

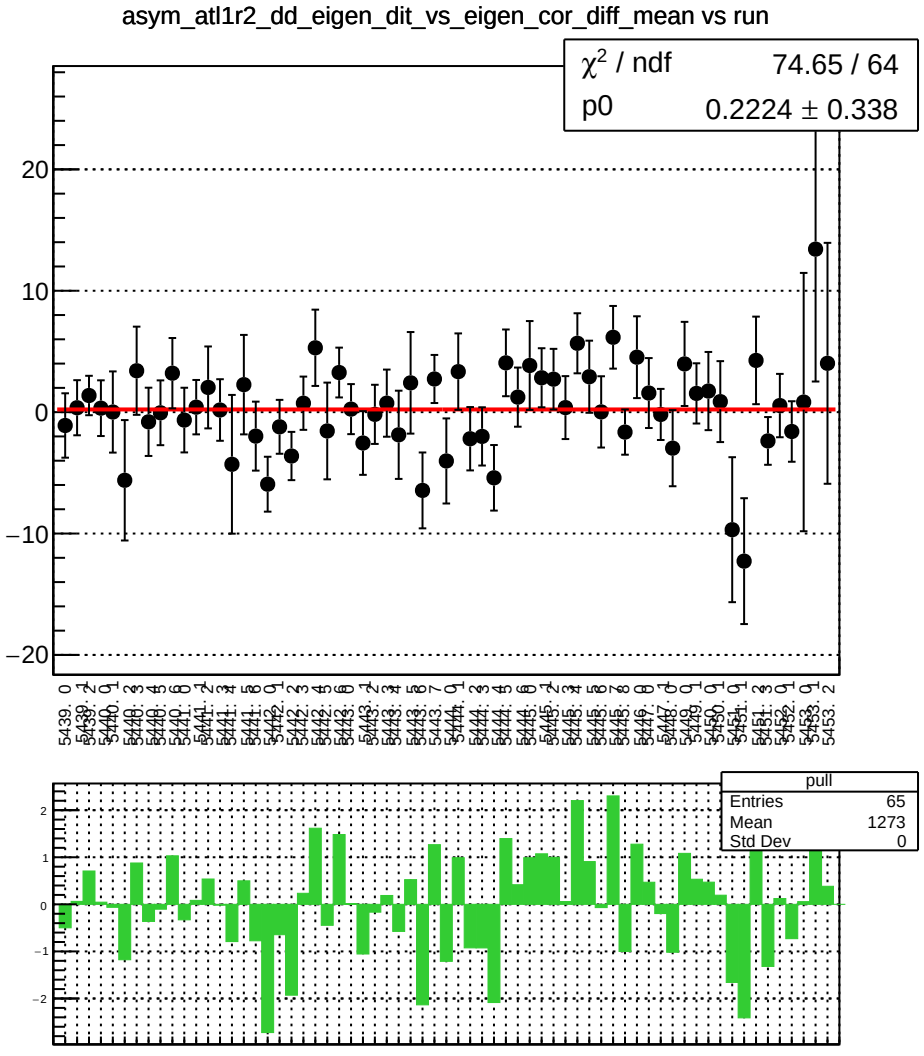

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.47 / 64
p0 2.954e−05 ± 1.943e−05
pull
Entries 65
Mean −37.26
Std Dev 0
pull1D
Entries 65
Mean 0.04807
Std Dev 1.033

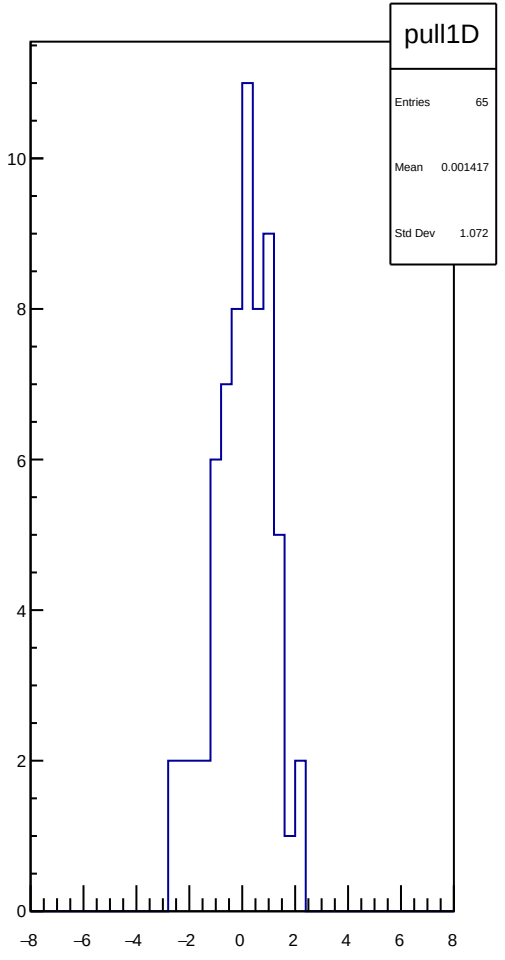

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.532e+04 / 64
p0 0.01567 ± 1.374e−05
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01

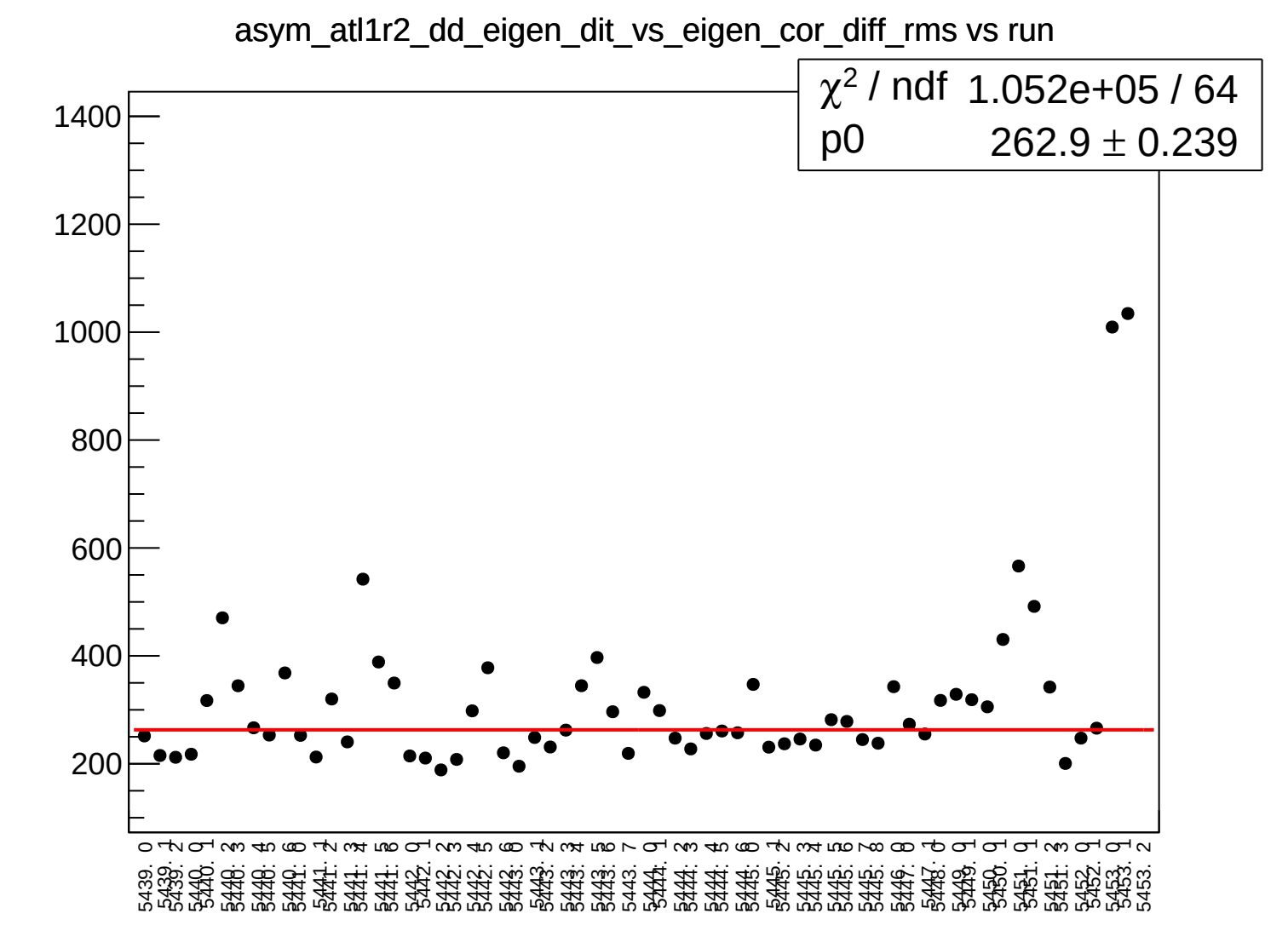

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.65 / 64
p0 0.2224 ± 0.338
pull
Entries 65
Mean 1273
Std Dev 0

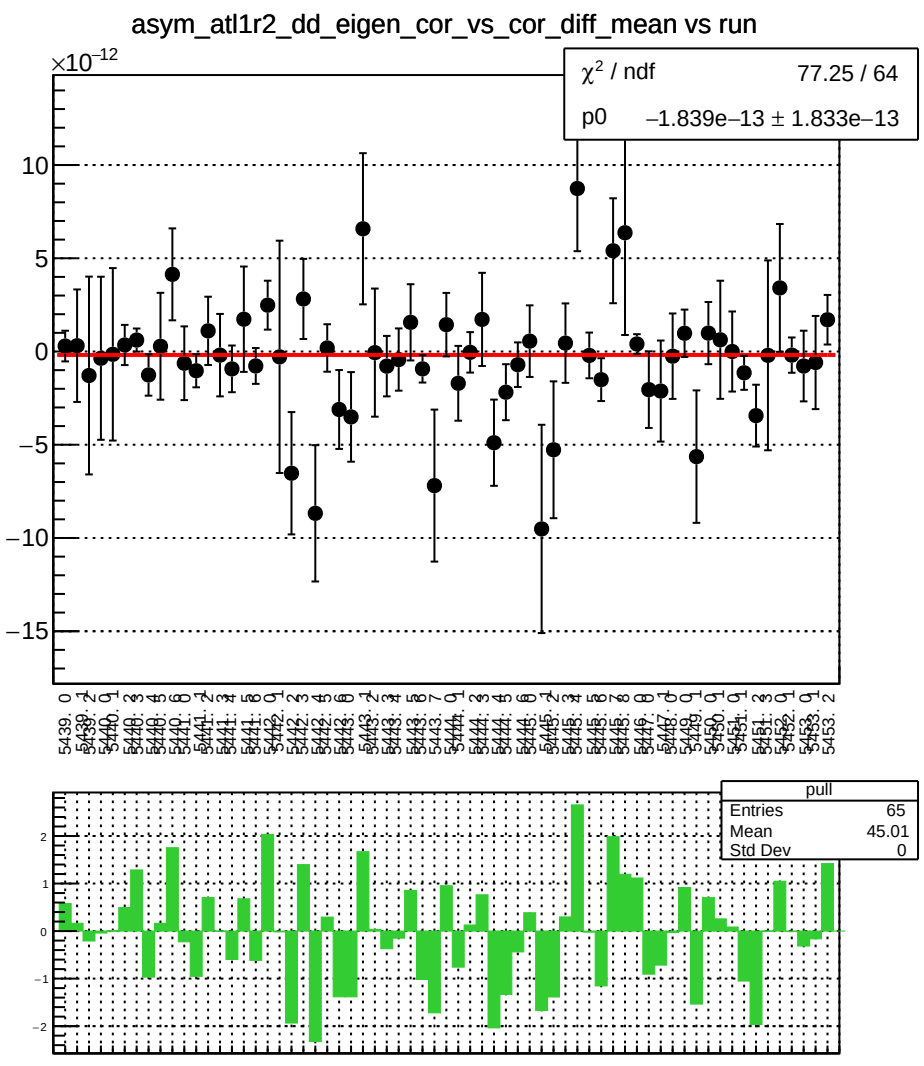

pull1D
Entries 65
Mean 0.001417
Std Dev 1.072

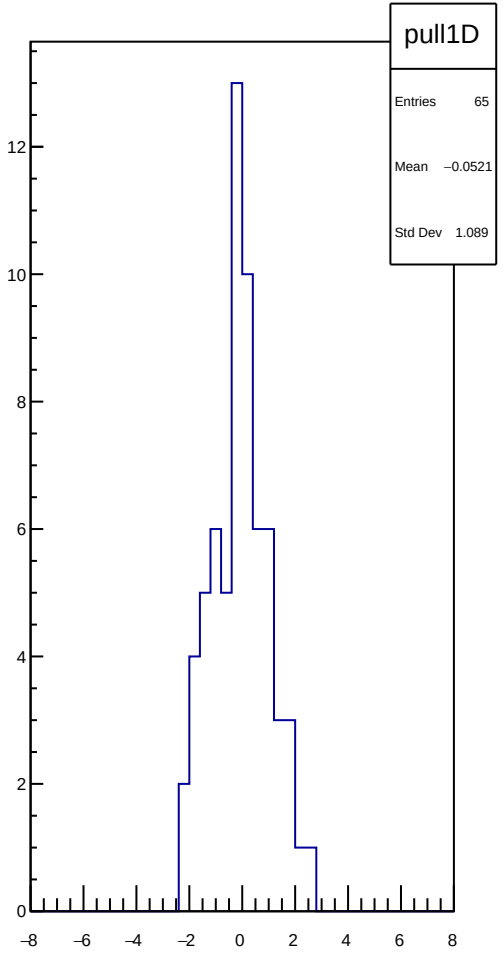

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 64
p0 262.9 ± 0.239
1400
1200
1000
800
600
400
200

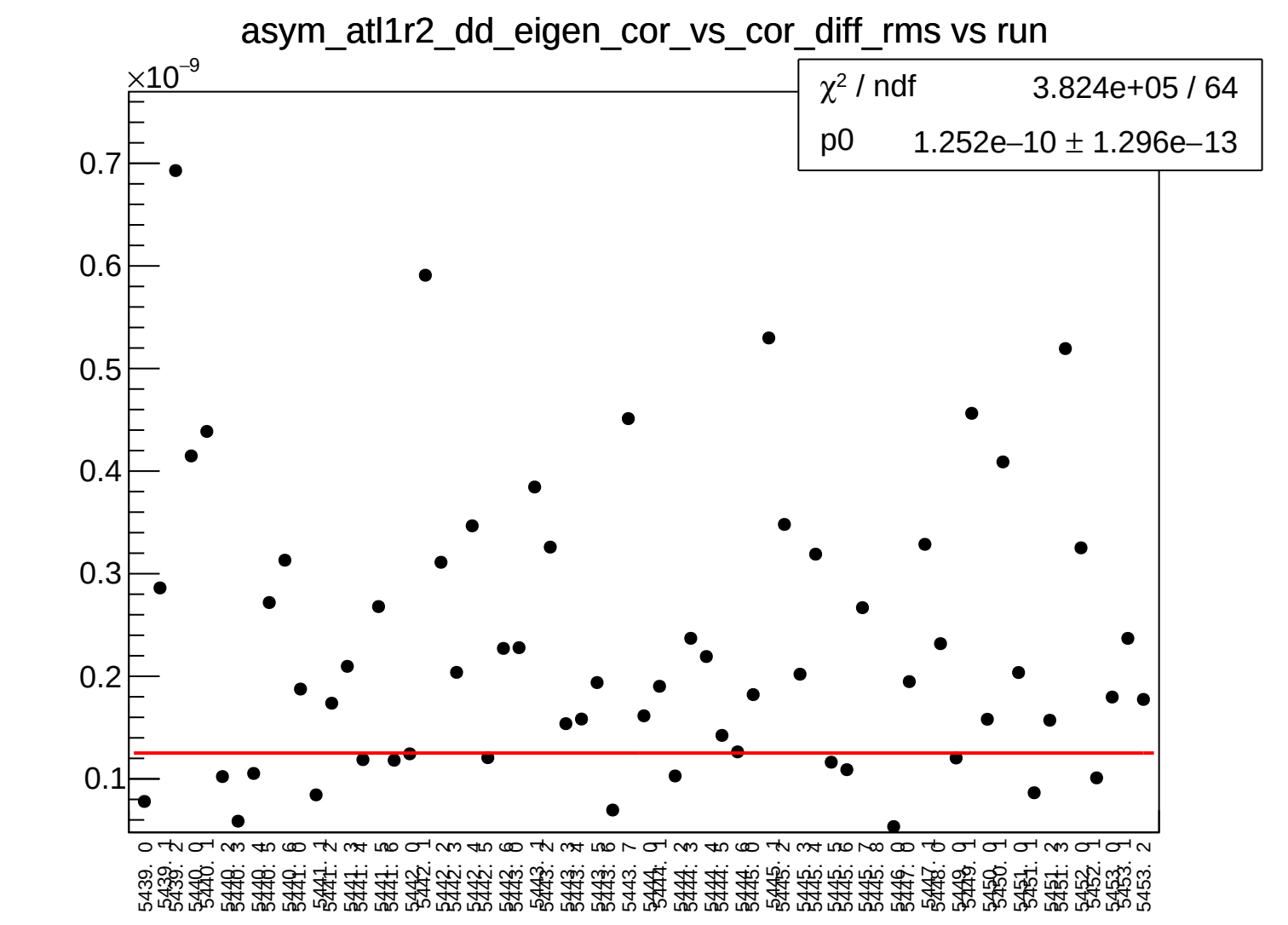

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.65 / 64
p0 0.2224 ± 0.338
pull
Entries 65
Mean 1273
Std Dev 0

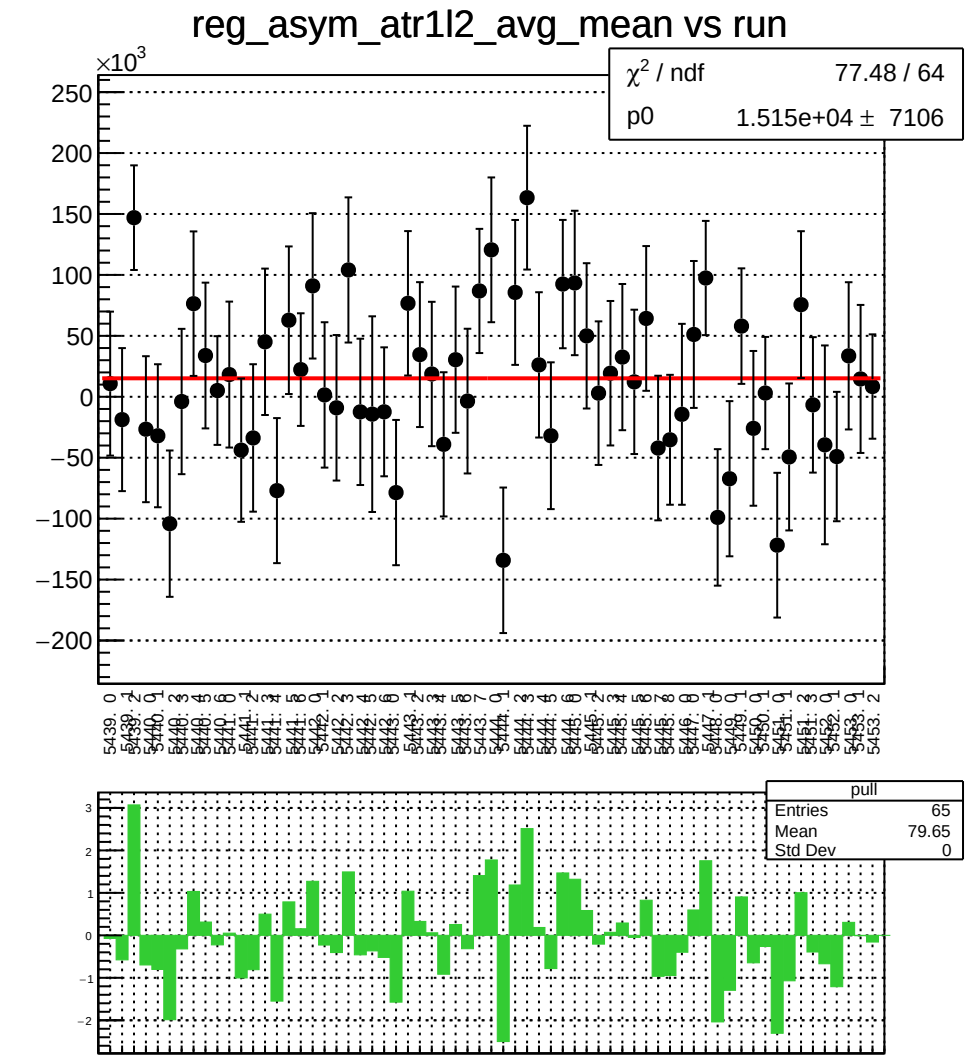

pull1D
Entries 65
Mean 0.001417
Std Dev 1.072

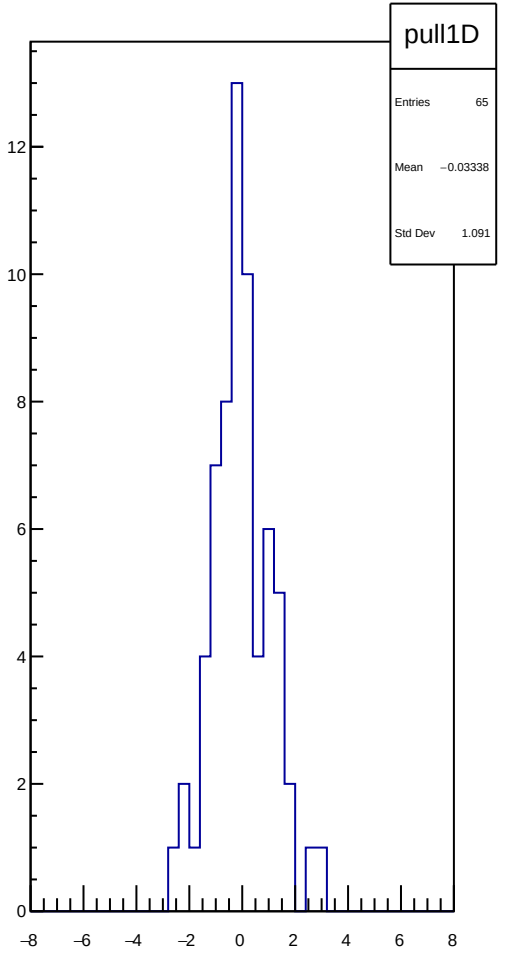

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 64
p0 262.9 ± 0.239
1400
1200
1000
800
600
400
200

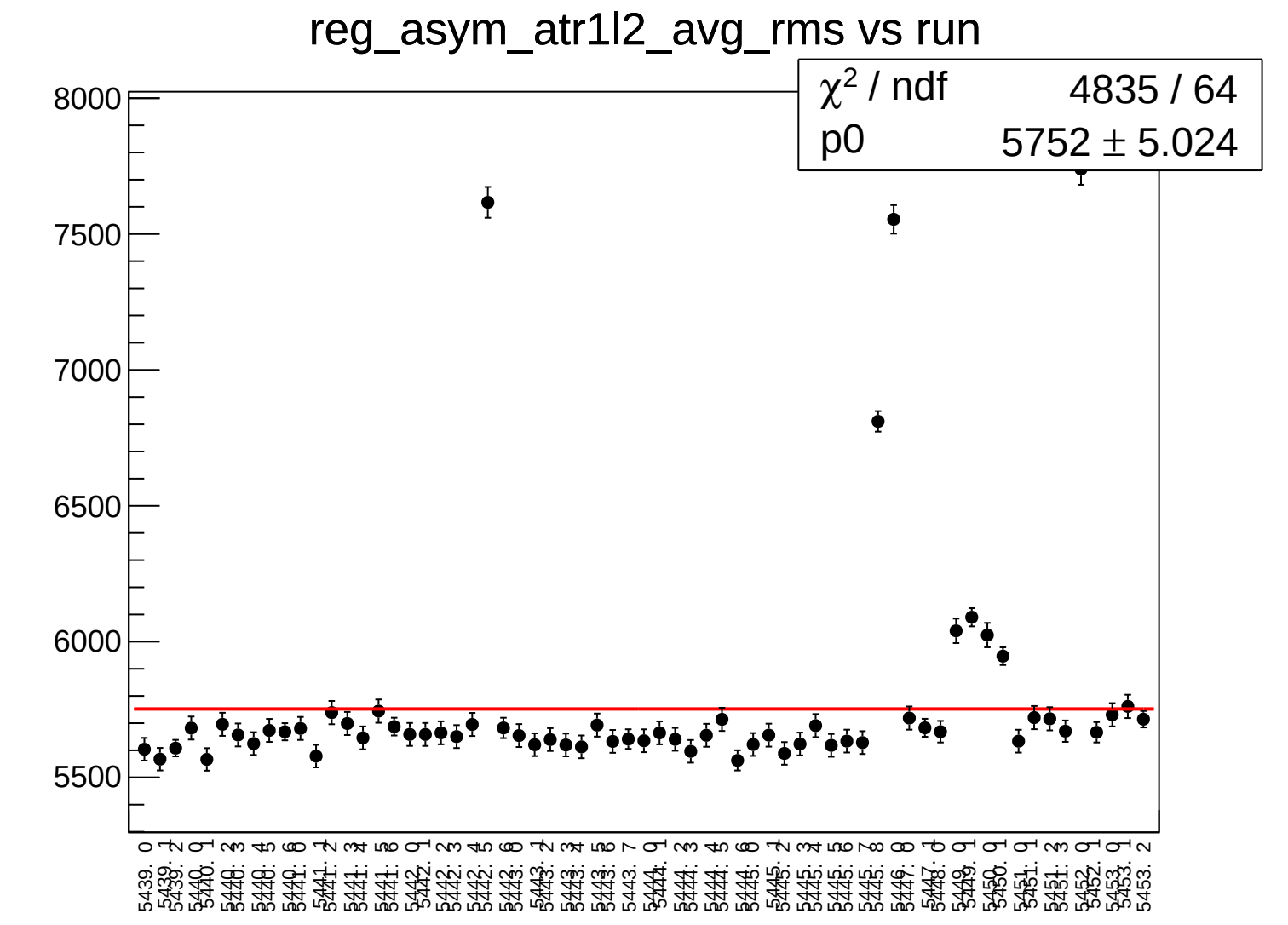

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.25 / 64
p0 −1.839e−13 ± 1.833e−13
pull
Entries 65
Mean 45.01
Std Dev 0

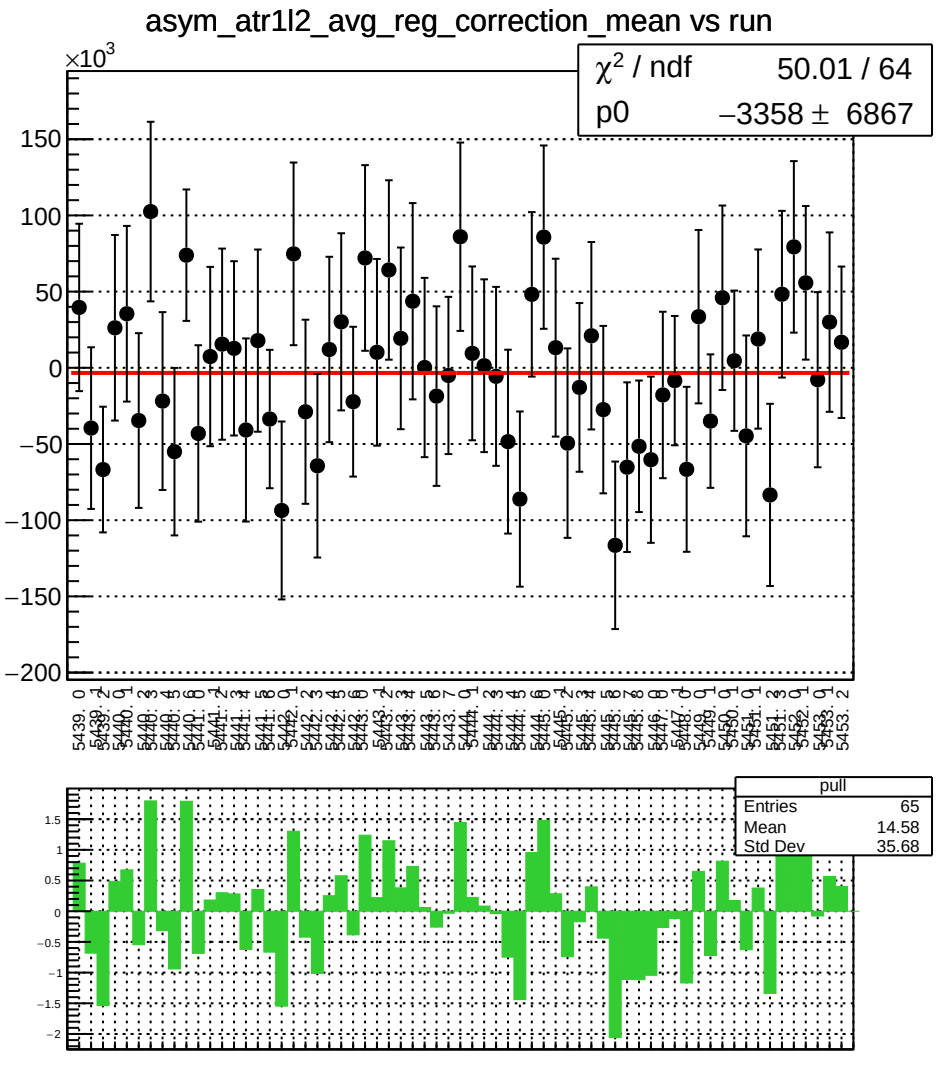

pull1D
Entries 65
Mean −0.0521
Std Dev 1.089

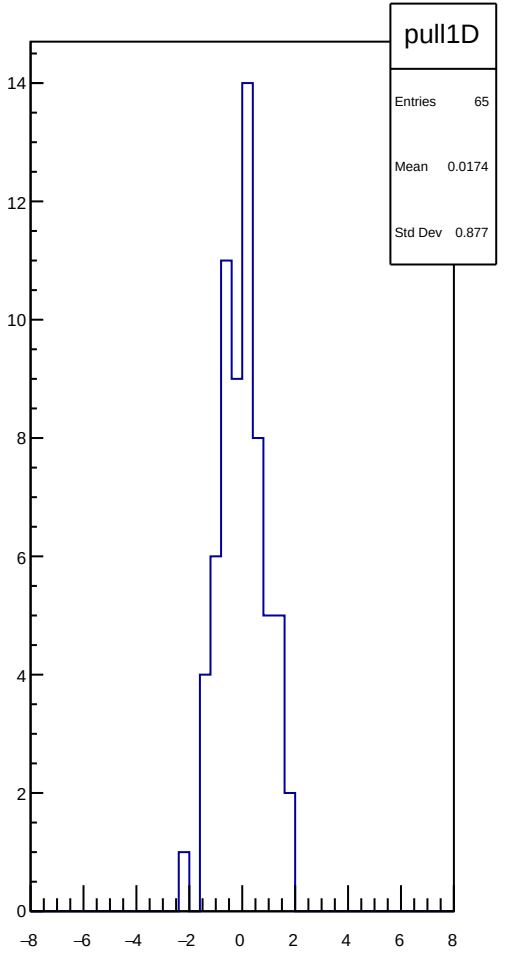

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.824e+05 / 64
p0 1.252e−10 ± 1.296e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

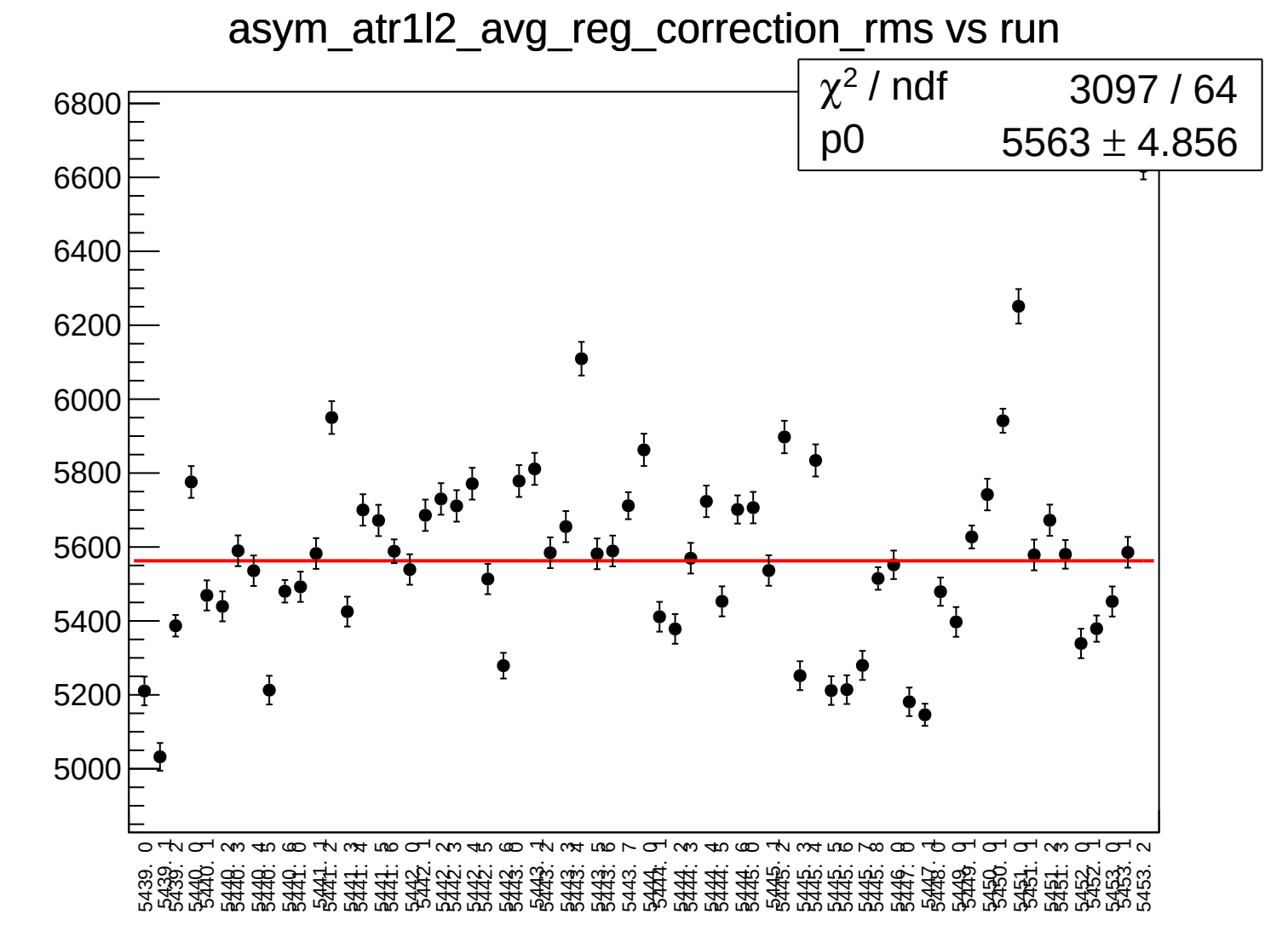

reg_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 77.48 / 64
p0 1.515e+04 ± 7106
pull
Entries 65
Mean 79.65
Std Dev 0

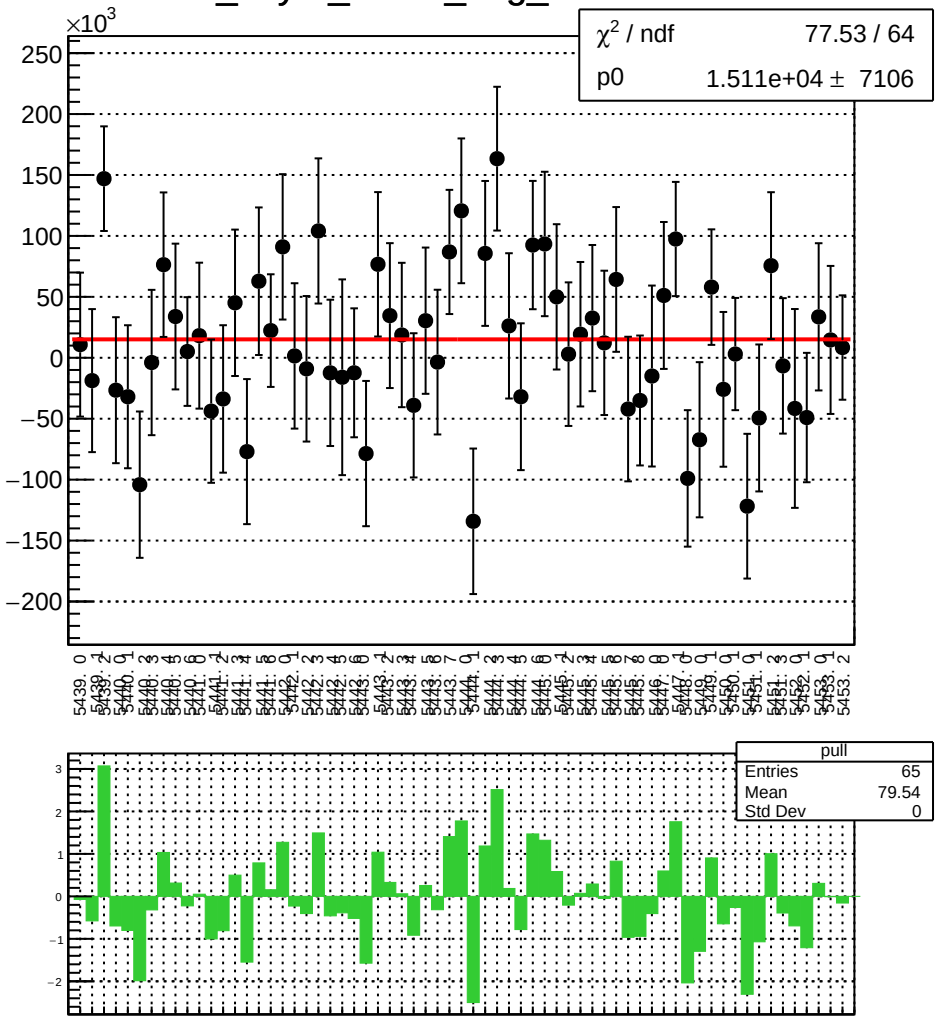

pull1D
Entries 65
Mean −0.03338
Std Dev 1.091

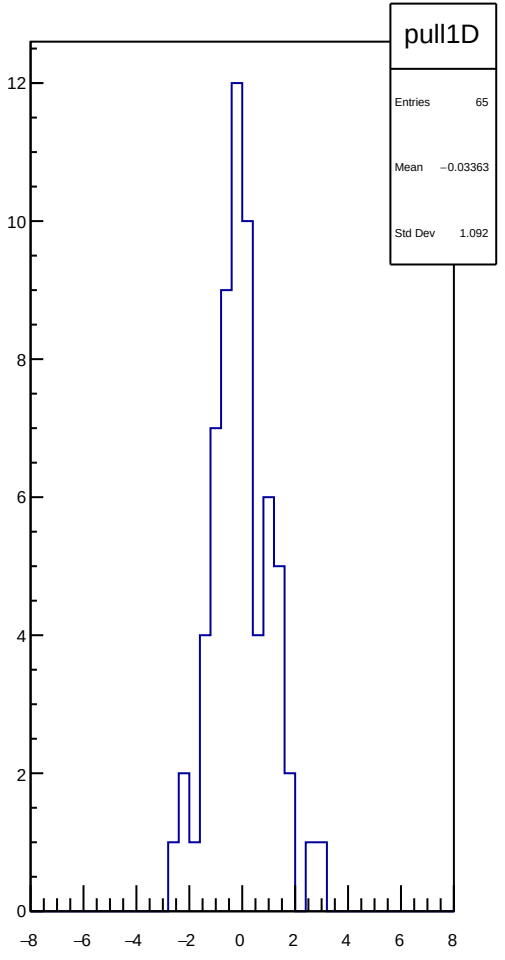

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 4835 / 64
p0 5752 ± 5.024
8000
7500
7000
6500
6000
5500

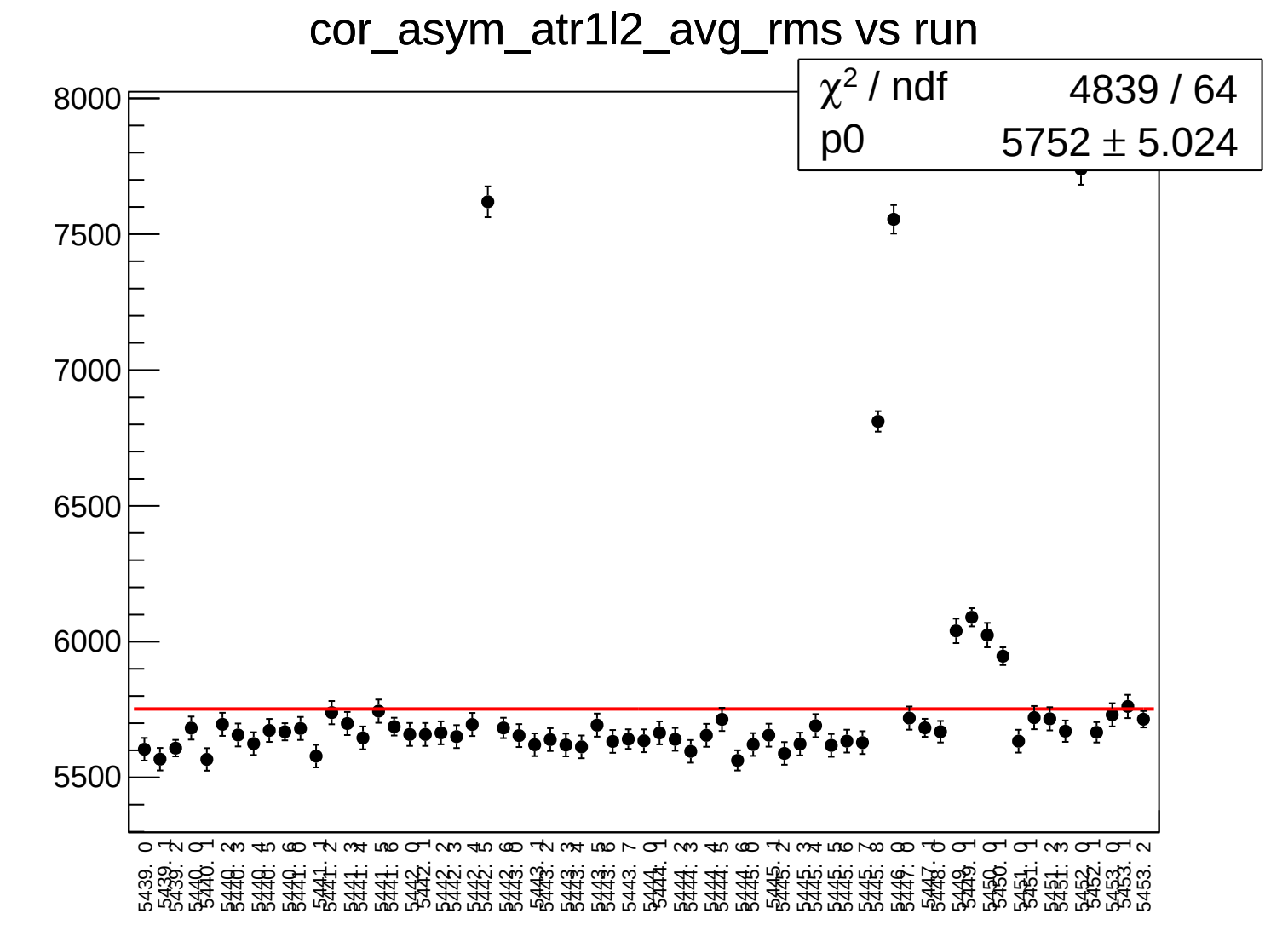

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 50.01 / 64
p0 −3358 ± 6867
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 14.58
Std Dev 35.68
1.5
1
0.5
0
−0.5
−1
−1.5
−2

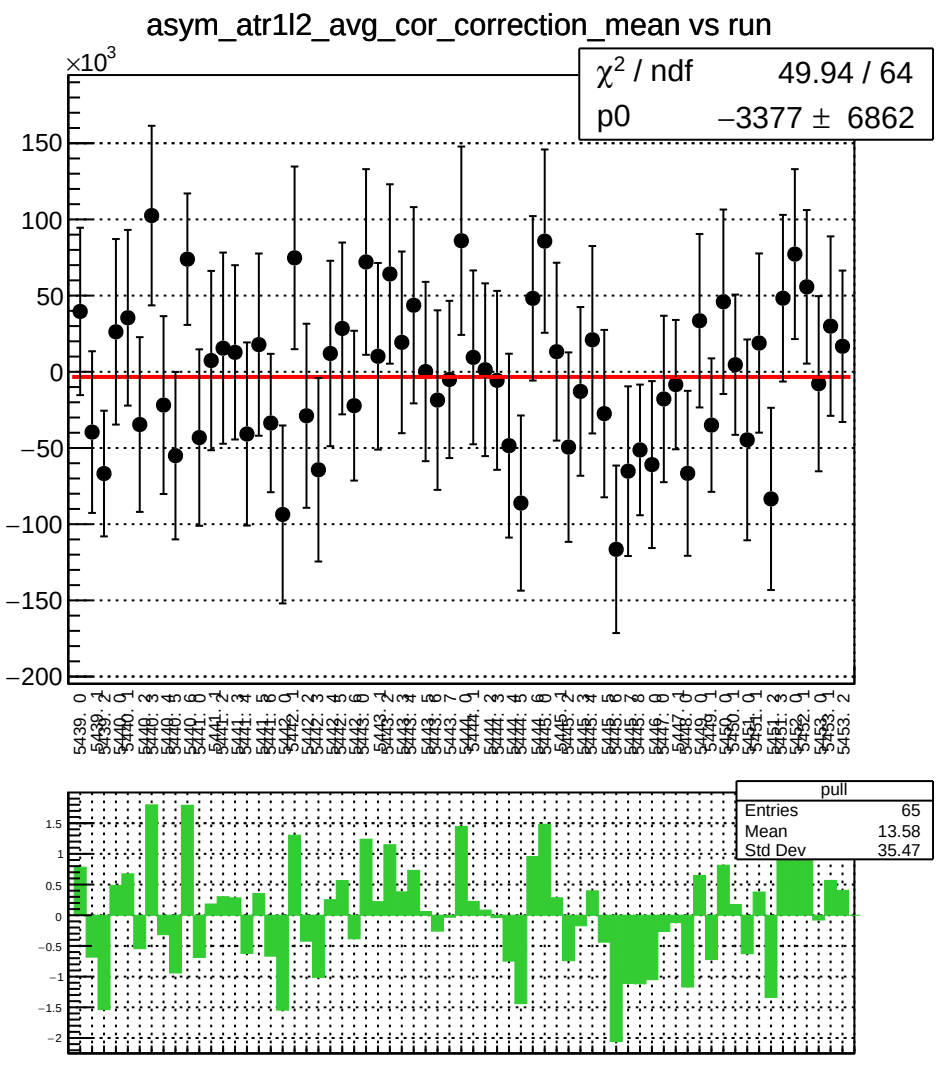

pull1D
Entries 65
Mean 0.0174
Std Dev 0.877
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

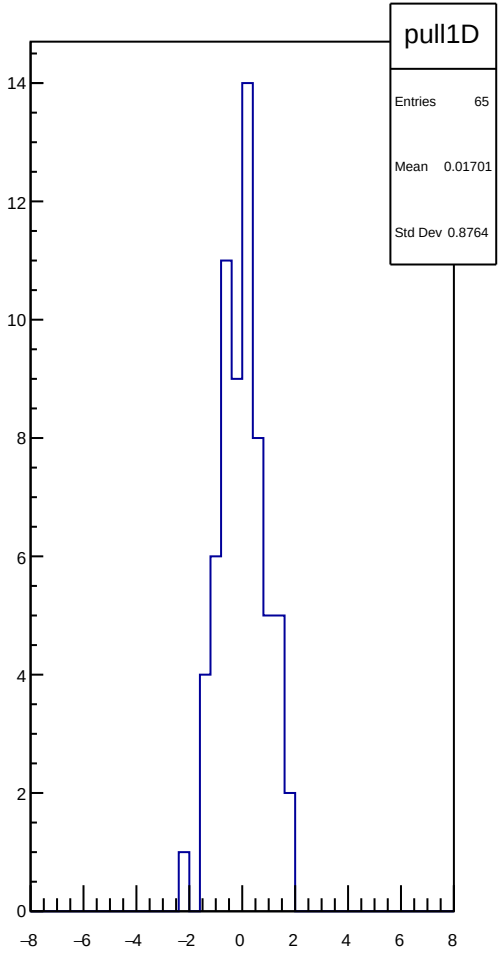

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 3097 / 64
p0 5563 ± 4.856
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

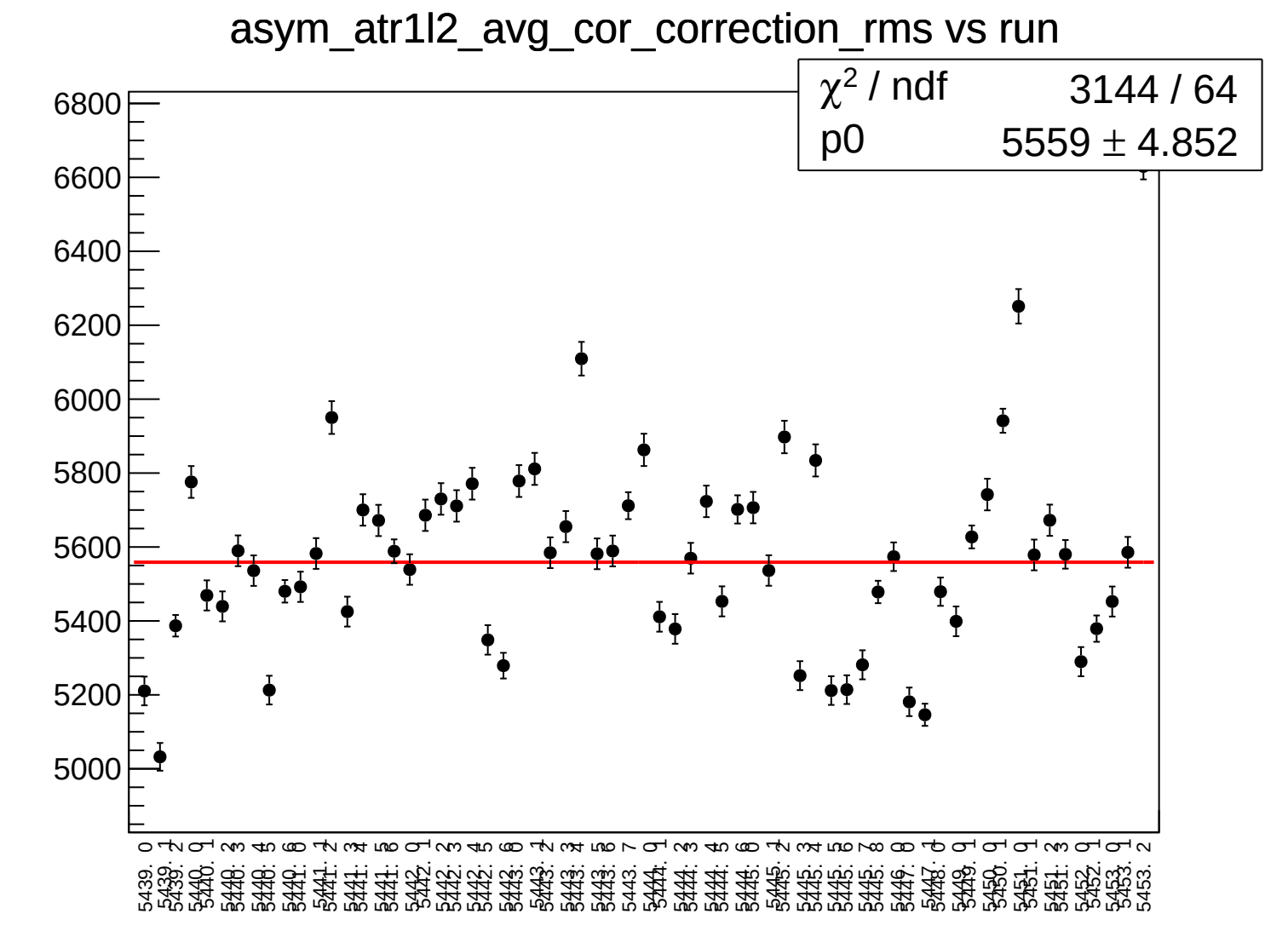

cor_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 77.53 / 64
p0 1.511e+04 ± 7106
pull
Entries 65
Mean 79.54
Std Dev 0

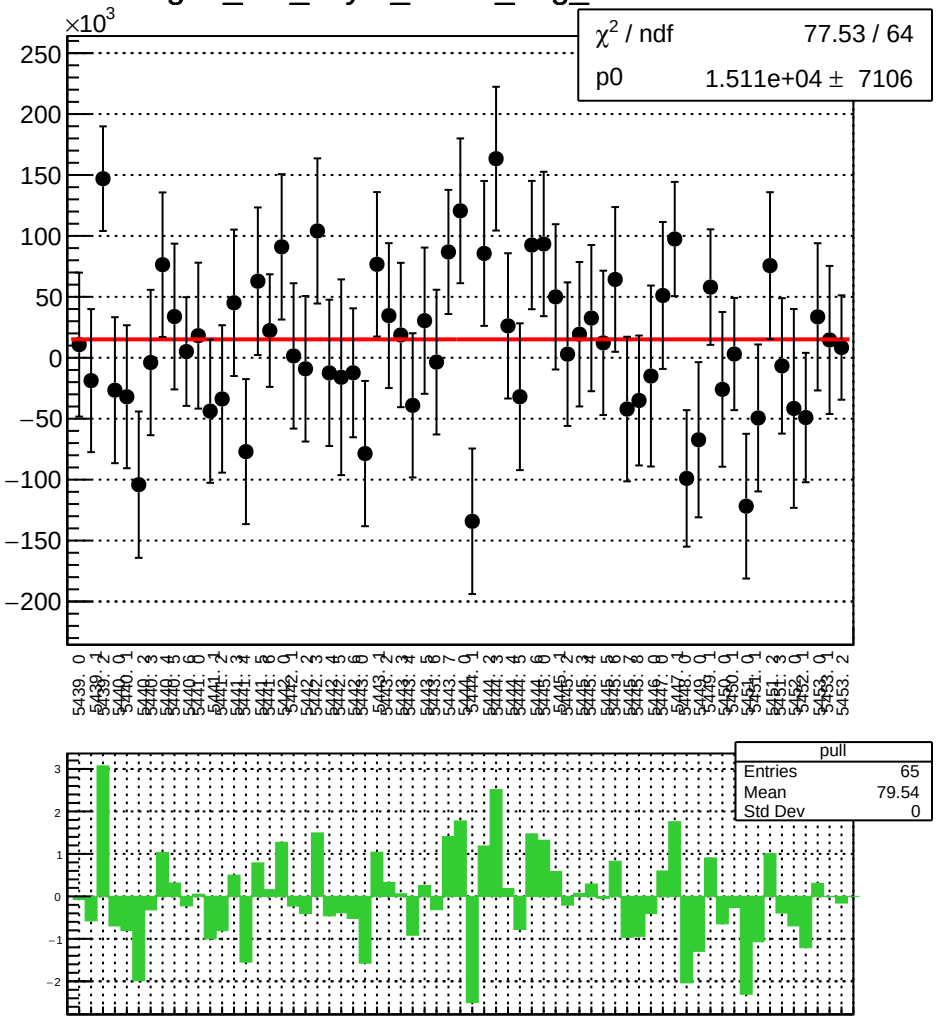

pull1D
Entries 65
Mean −0.03363
Std Dev 1.092

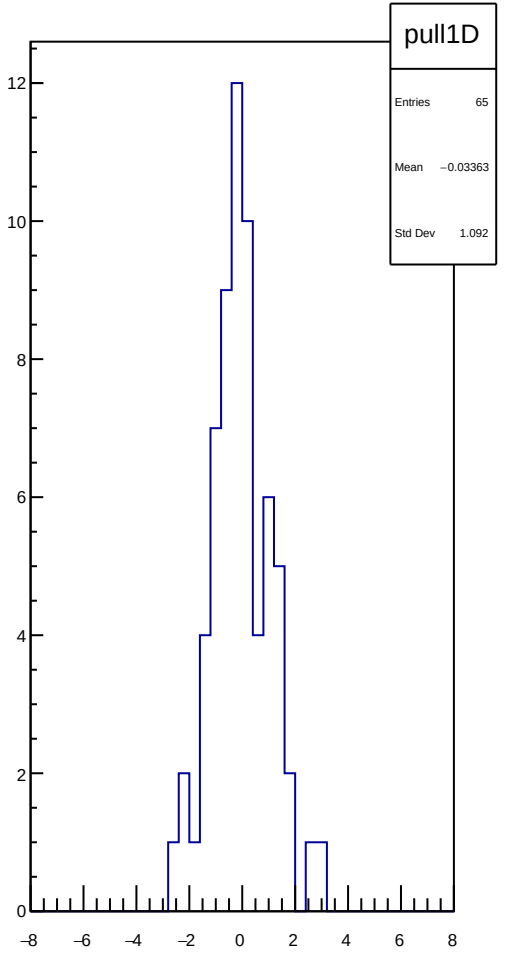

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 4839 / 64
p0 5752 ± 5.024
8000
7500
7000
6500
6000
5500

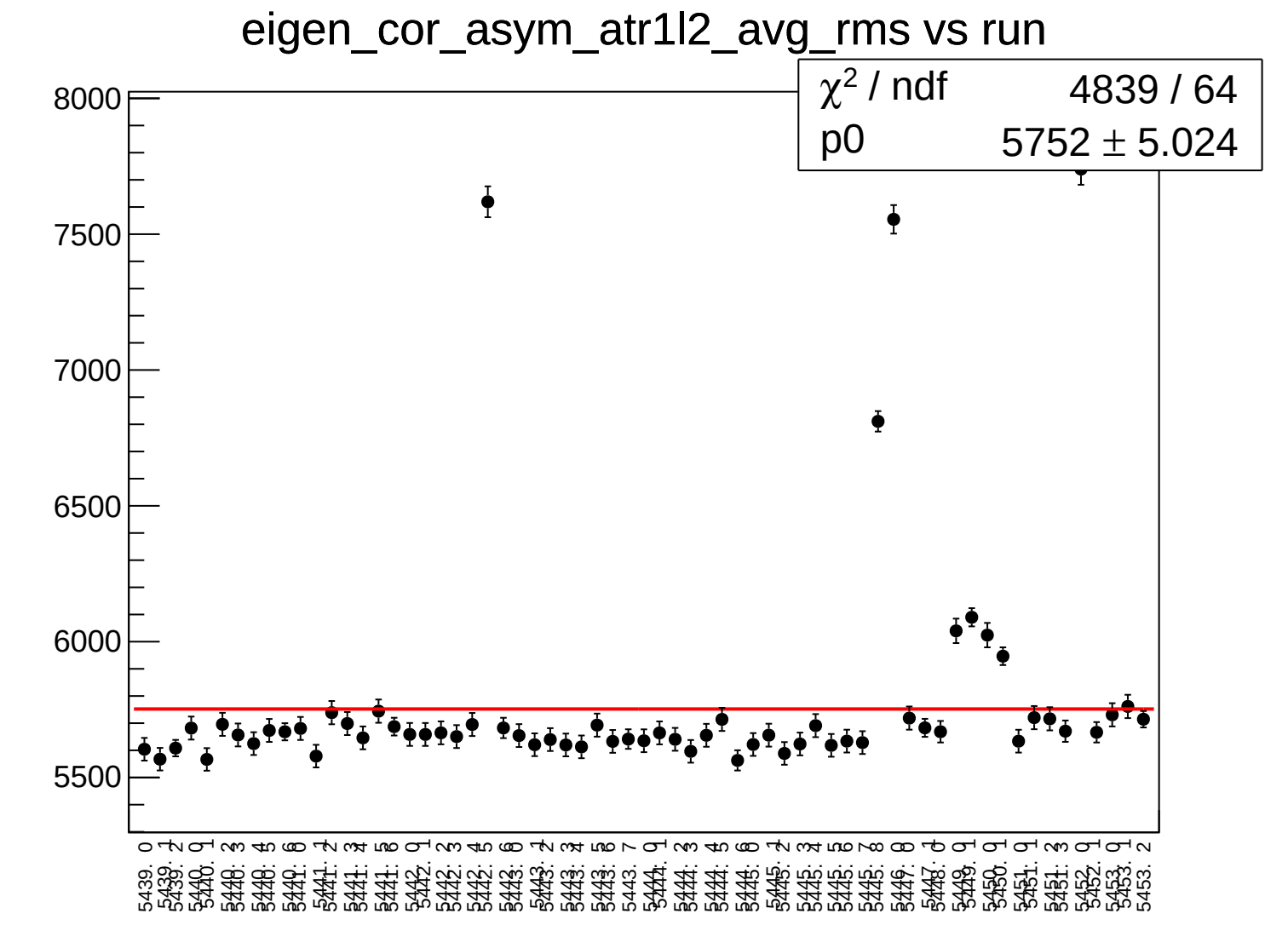

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.94 / 64
p0 −3377 ± 6862
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 13.58
Std Dev 35.47
1.5
1
0.5
0
−0.5
−1
−1.5
−2

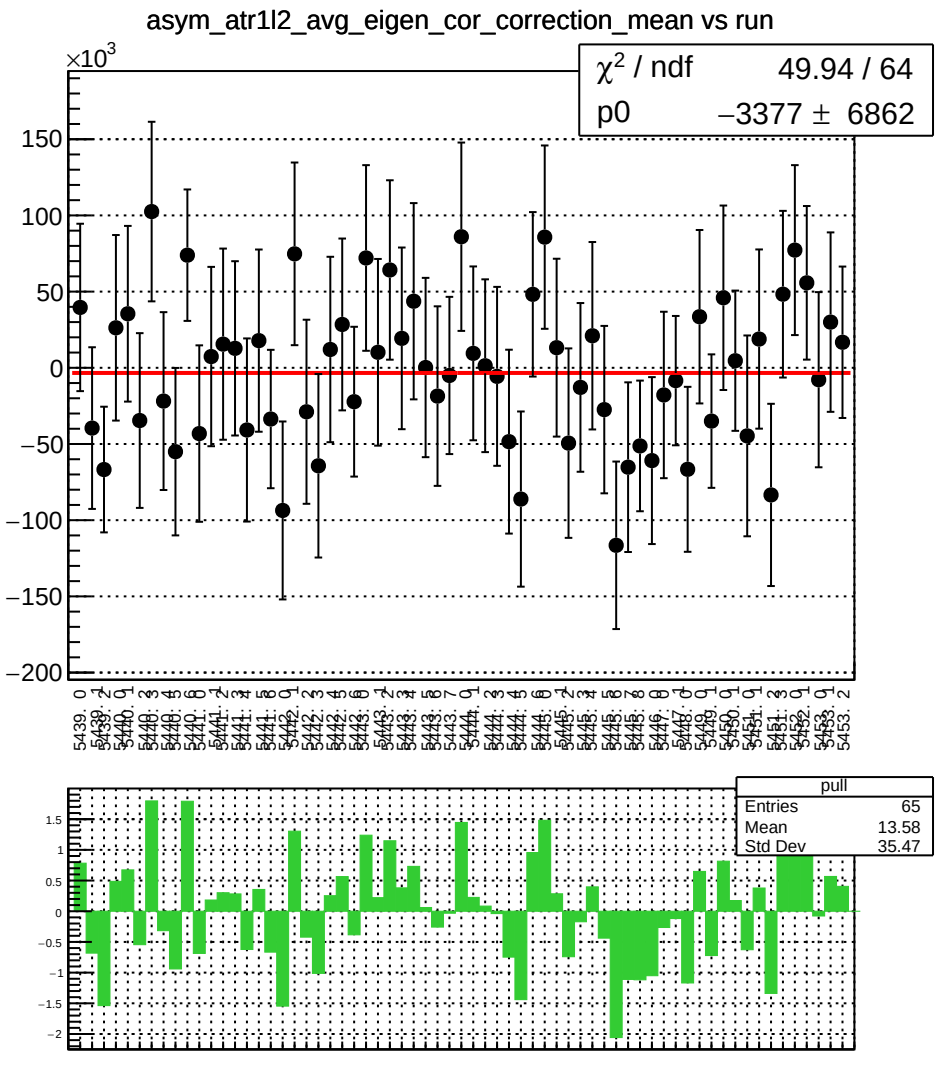

pull1D
Entries 65
Mean 0.01701
Std Dev 0.8764
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

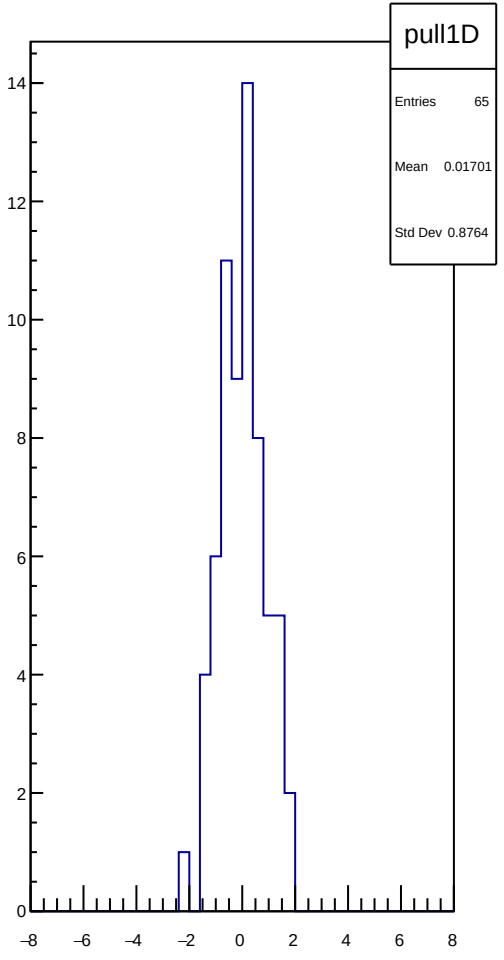

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 3144 / 64
p0 5559 ± 4.852
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

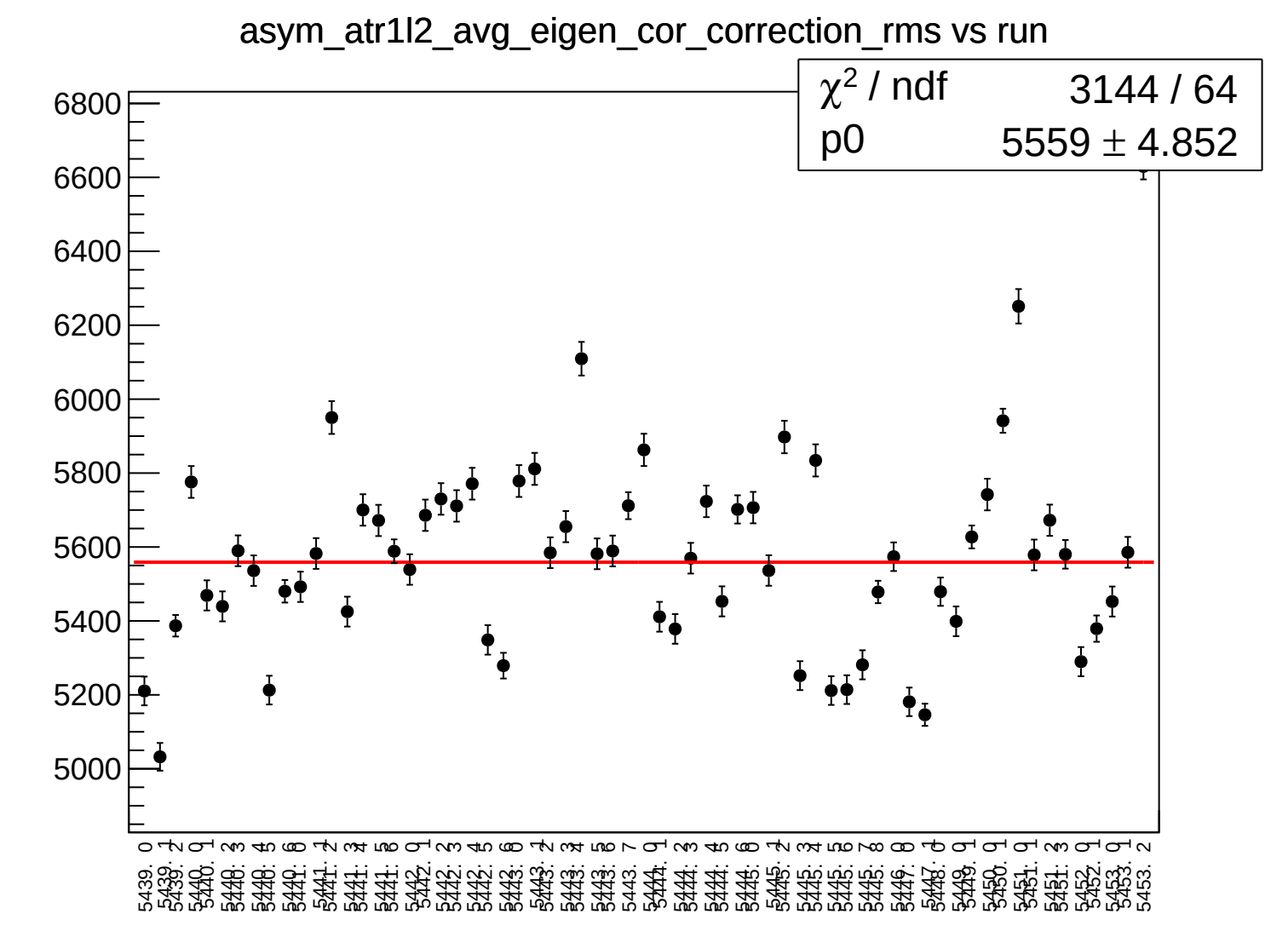

eigen_cor_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 77.53 / 64
p0 1.511e+04 ± 7106
pull
Entries 65
Mean 79.54
Std Dev 0

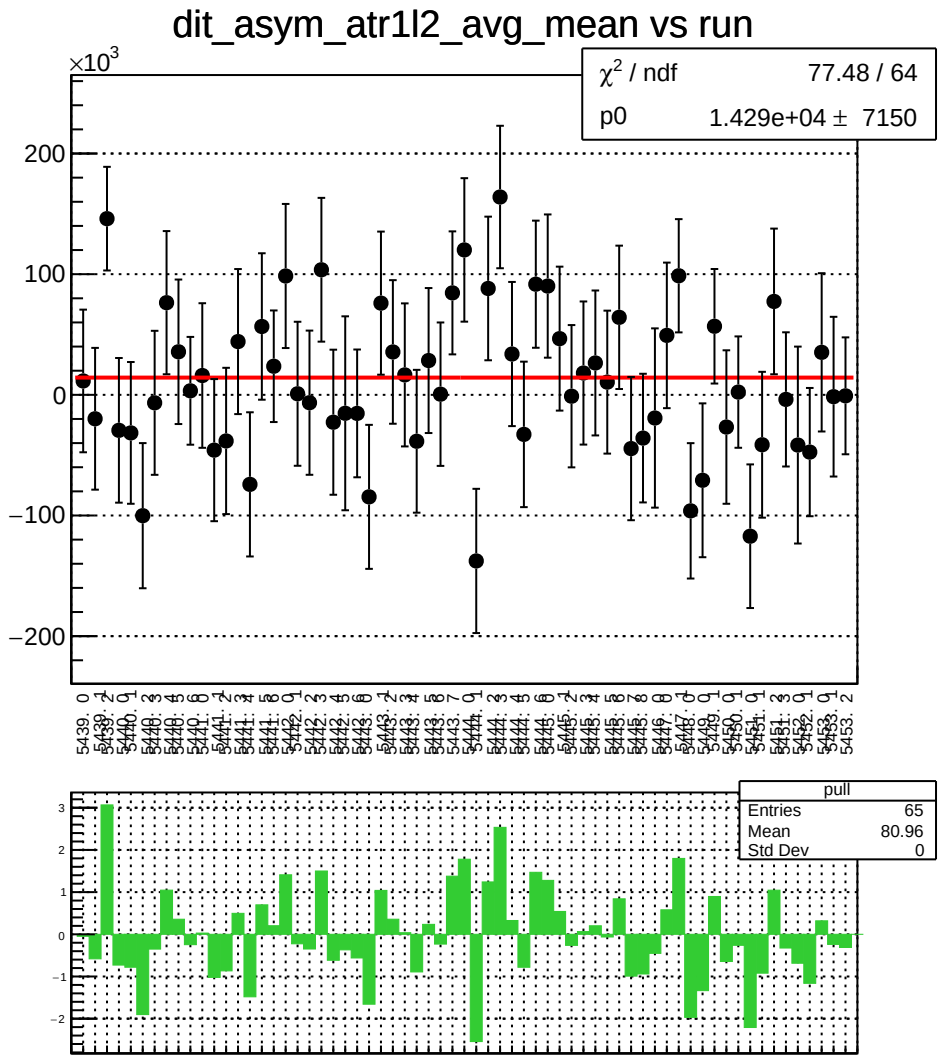

pull1D
Entries 65
Mean −0.03363
Std Dev 1.092

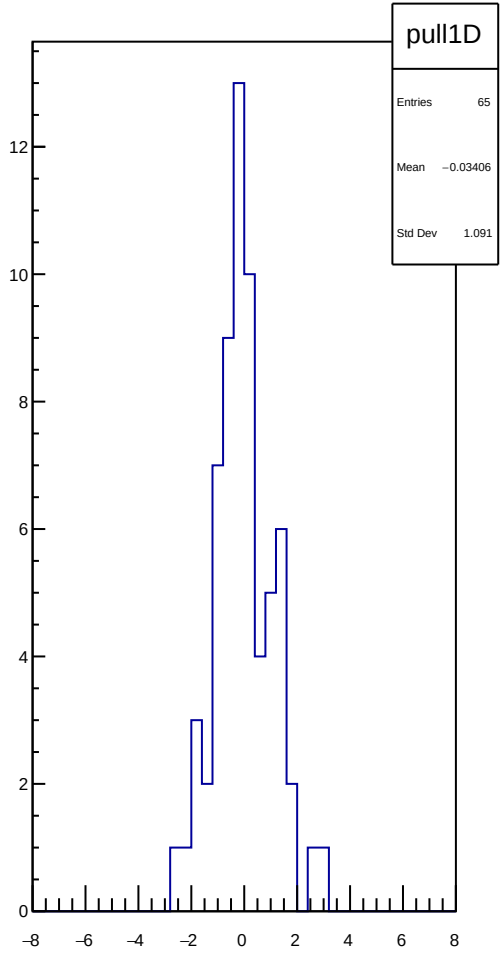

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 4839 / 64
p0 5752 ± 5.024
8000
7500
7000
6500
6000
5500

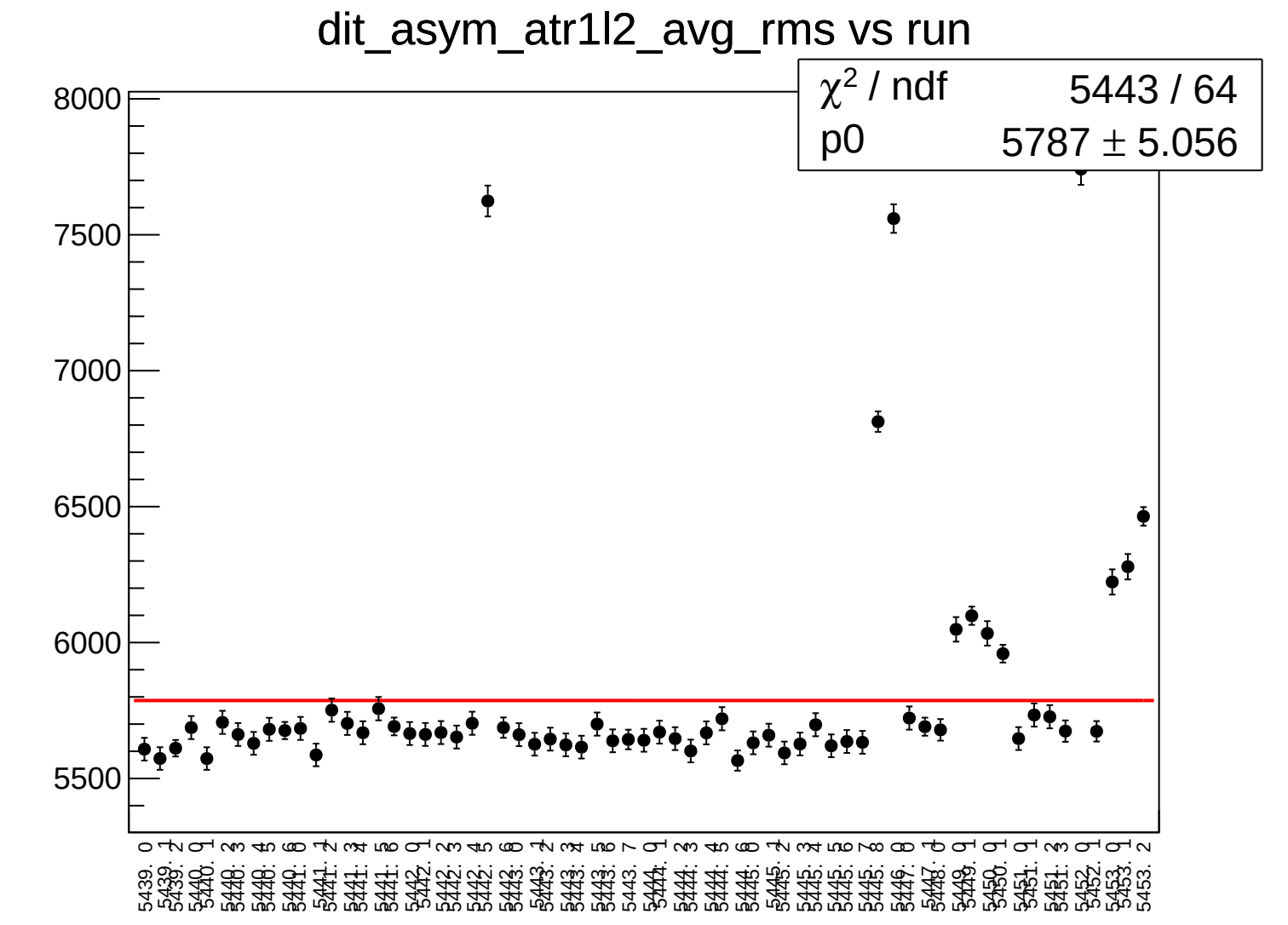

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.94 / 64
p0 −3377 ± 6862
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 13.58
Std Dev 35.47
1.5
1
0.5
0
−0.5
−1
−1.5
−2

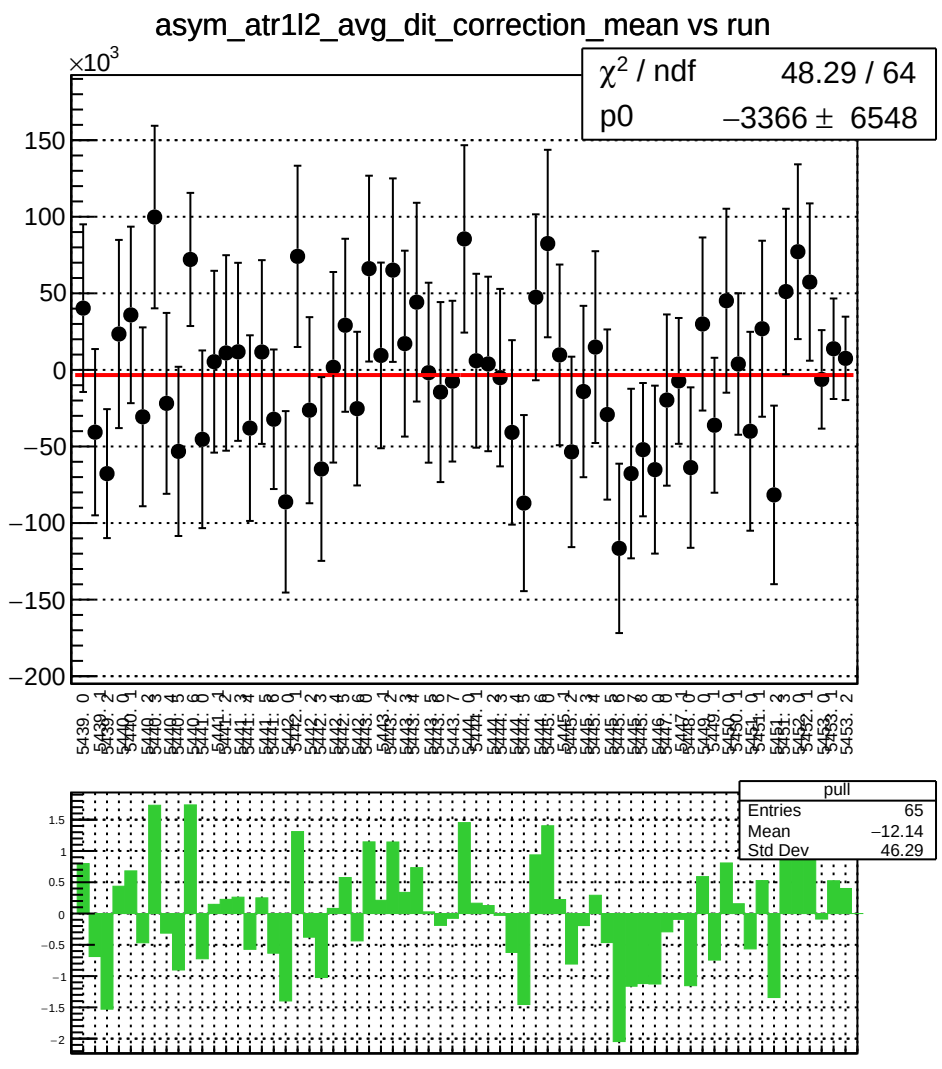

pull1D
Entries 65
Mean 0.01701
Std Dev 0.8764
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

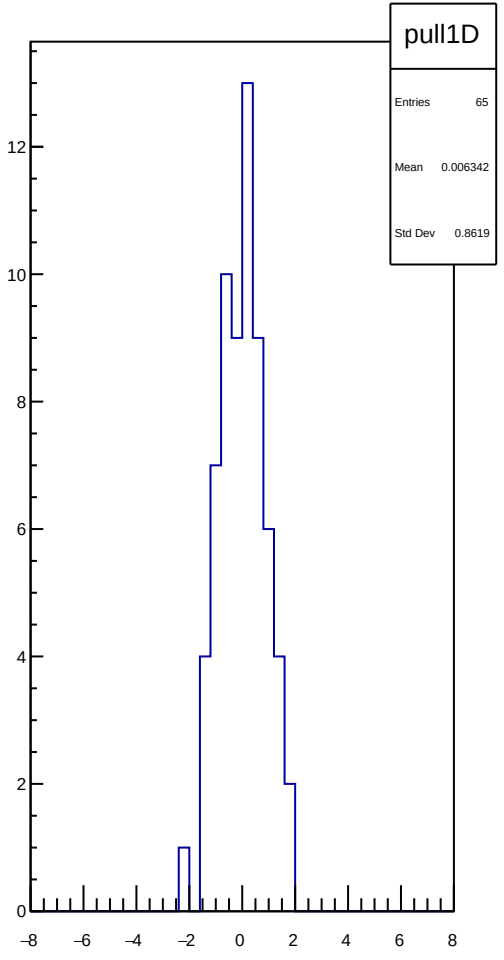

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3144 / 64
p0 5559 ± 4.852
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

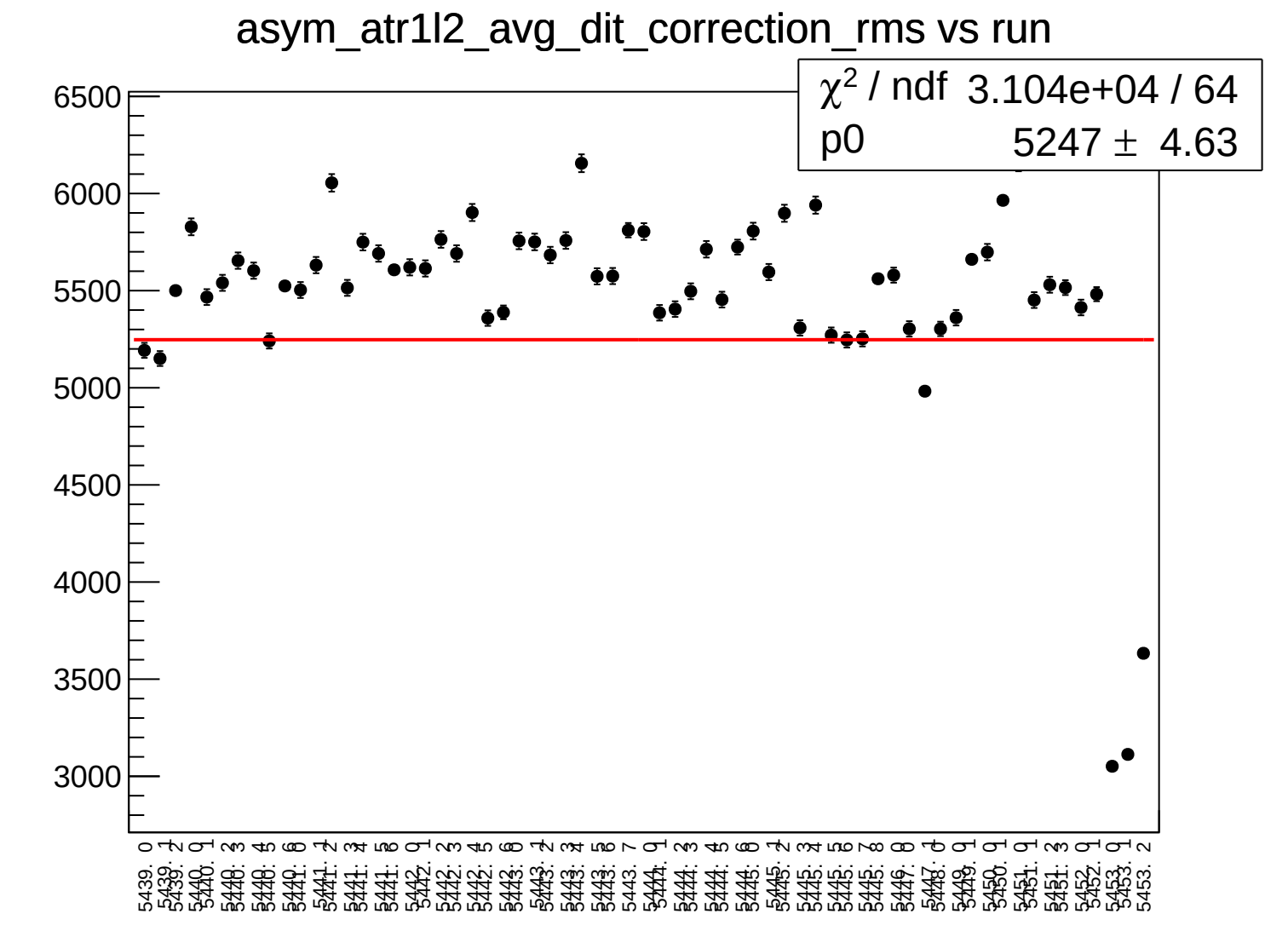

dit_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 77.48 / 64
p0 1.429e+04 ± 7150
200
100
0
−100
−200
pull
Entries 65
Mean 80.96
Std Dev 0
3
2
1
0
−1
−2

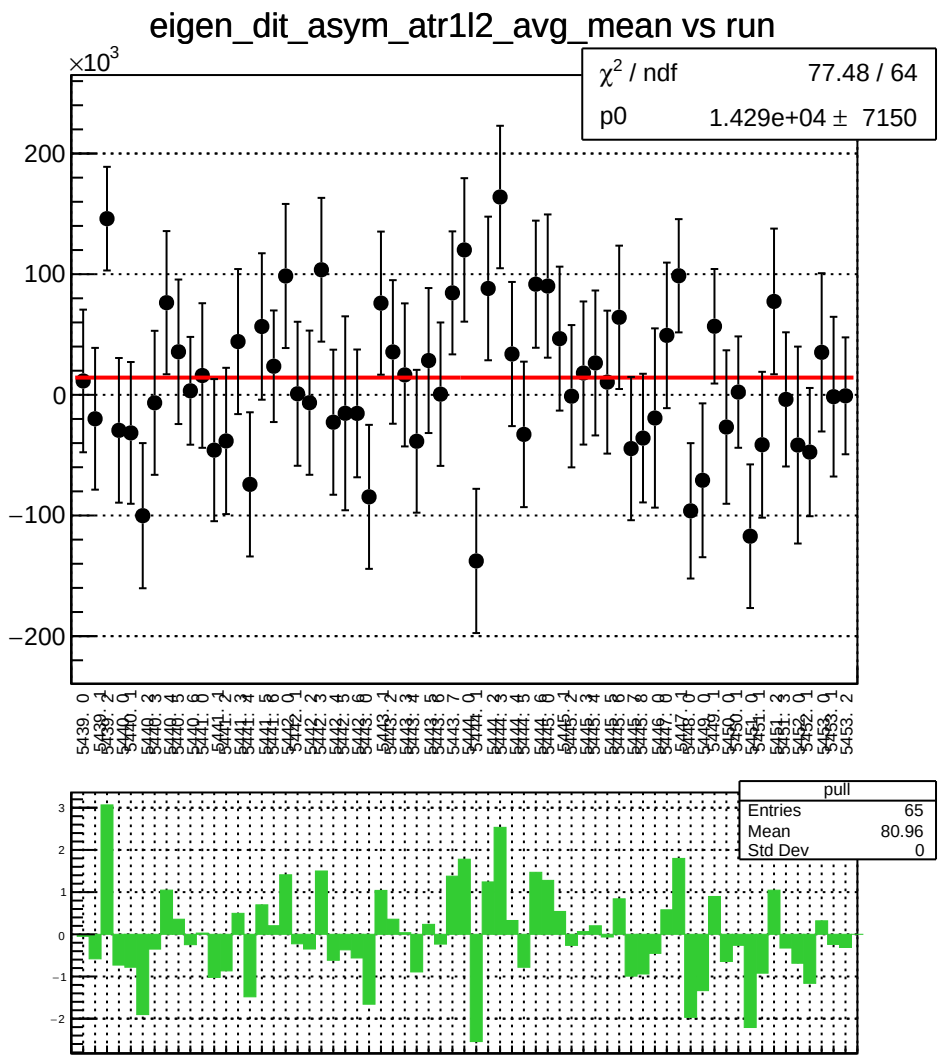

pull1D
Entries 65
Mean −0.03406
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

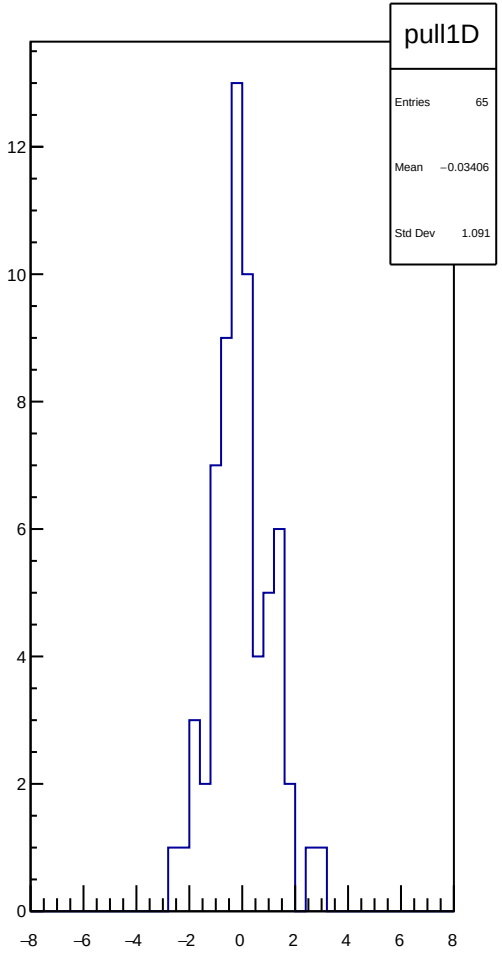

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 5443 / 64
p0 5787 ± 5.056
8000
7500
7000
6500
6000
5500

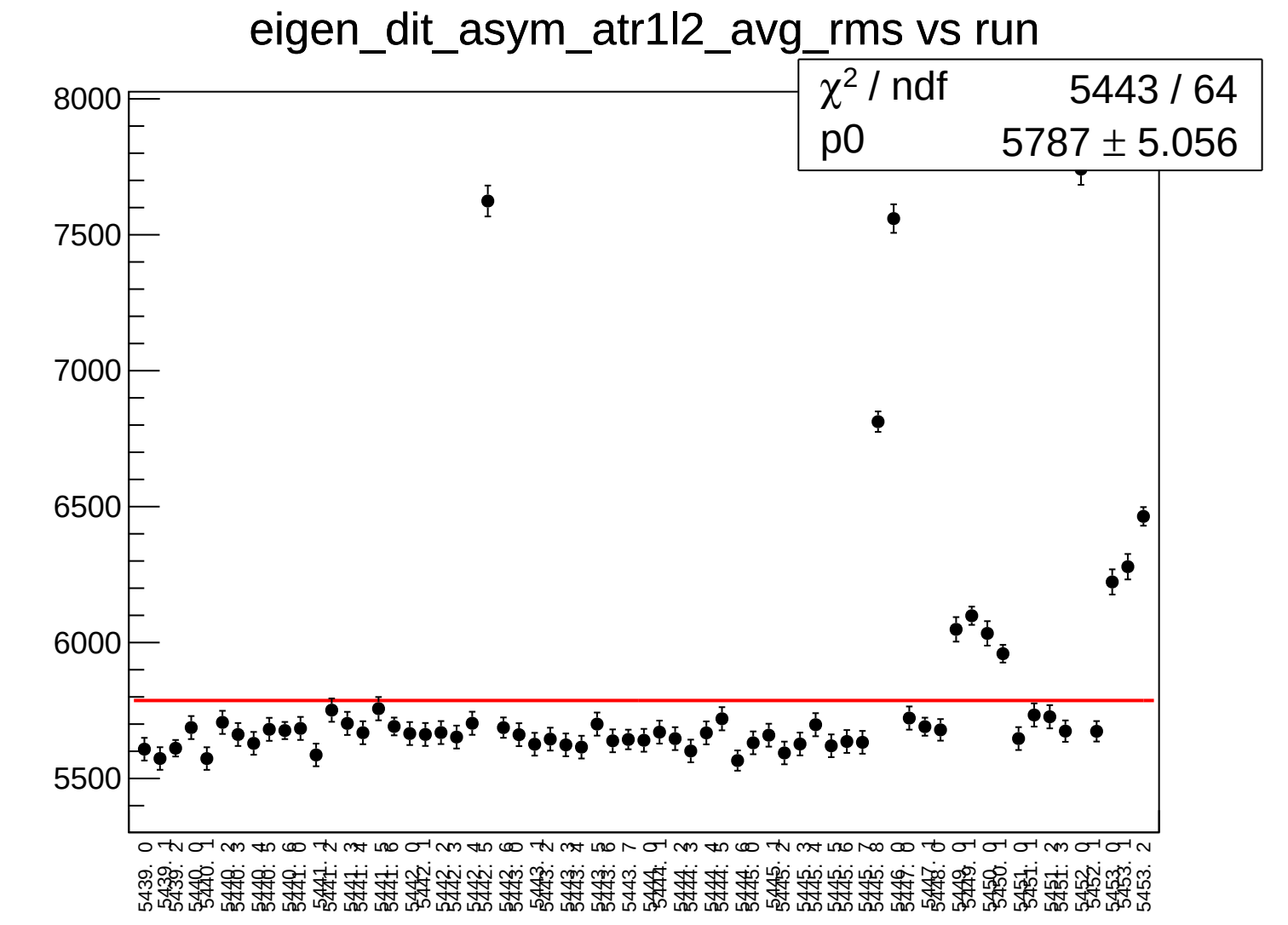

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 48.29 / 64
p0 −3366 ± 6548
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −12.14
Std Dev 46.29
1.5
1
0.5
0
−0.5
−1
−1.5
−2

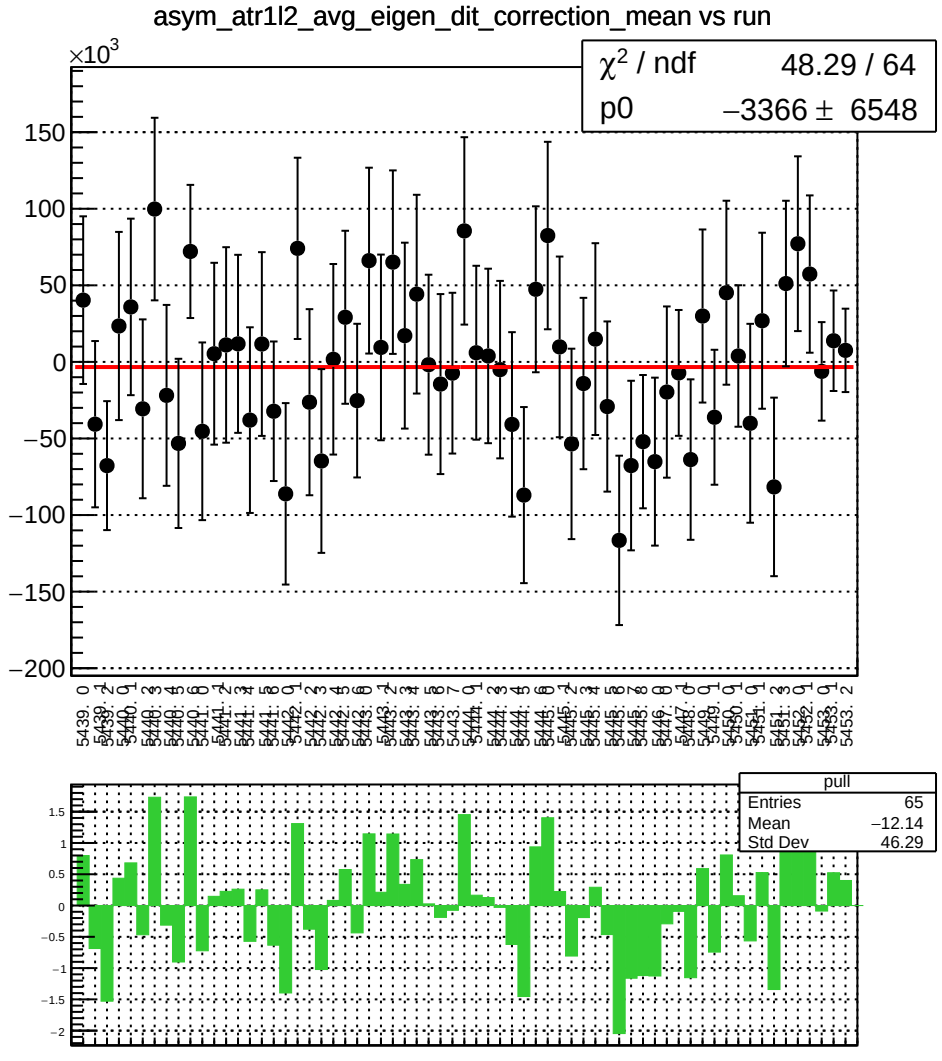

pull1D
Entries 65
Mean 0.006342
Std Dev 0.8619
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

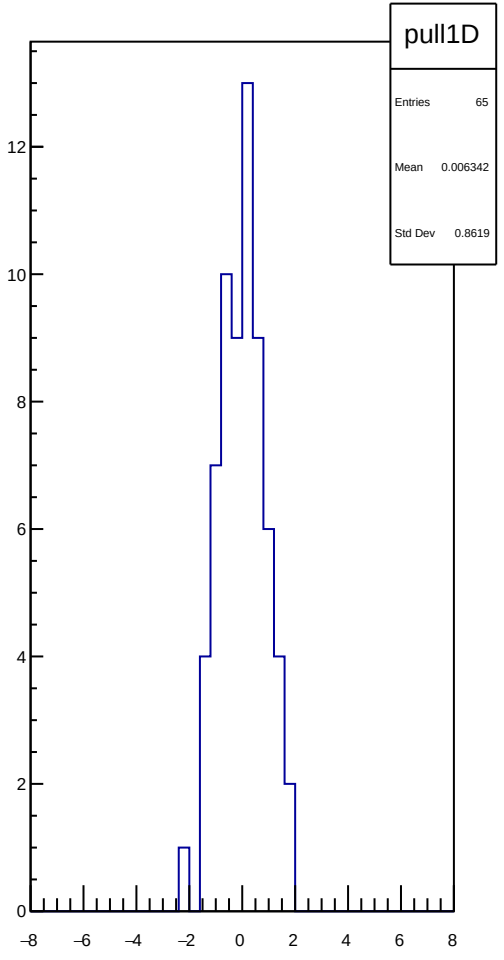

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 3.104e+04 / 64
p0 5247 ± 4.63
6500
6000
5500
5000
4500
4000
3500
3000

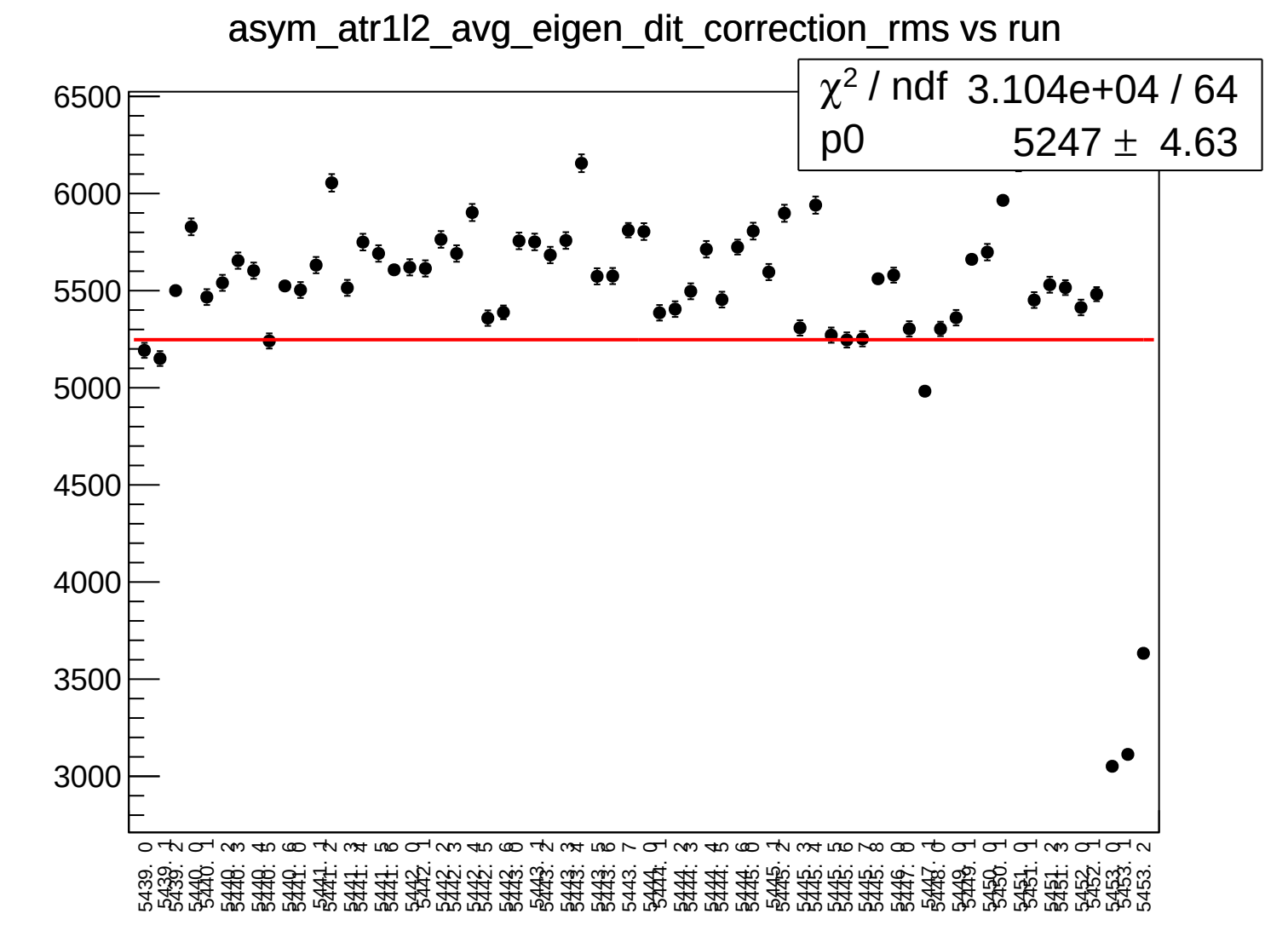

eigen_dit_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 77.48 / 64
p0 1.429e+04 ± 7150
200
100
0
−100
−200
pull
Entries 65
Mean 80.96
Std Dev 0
3
2
1
0
−1
−2

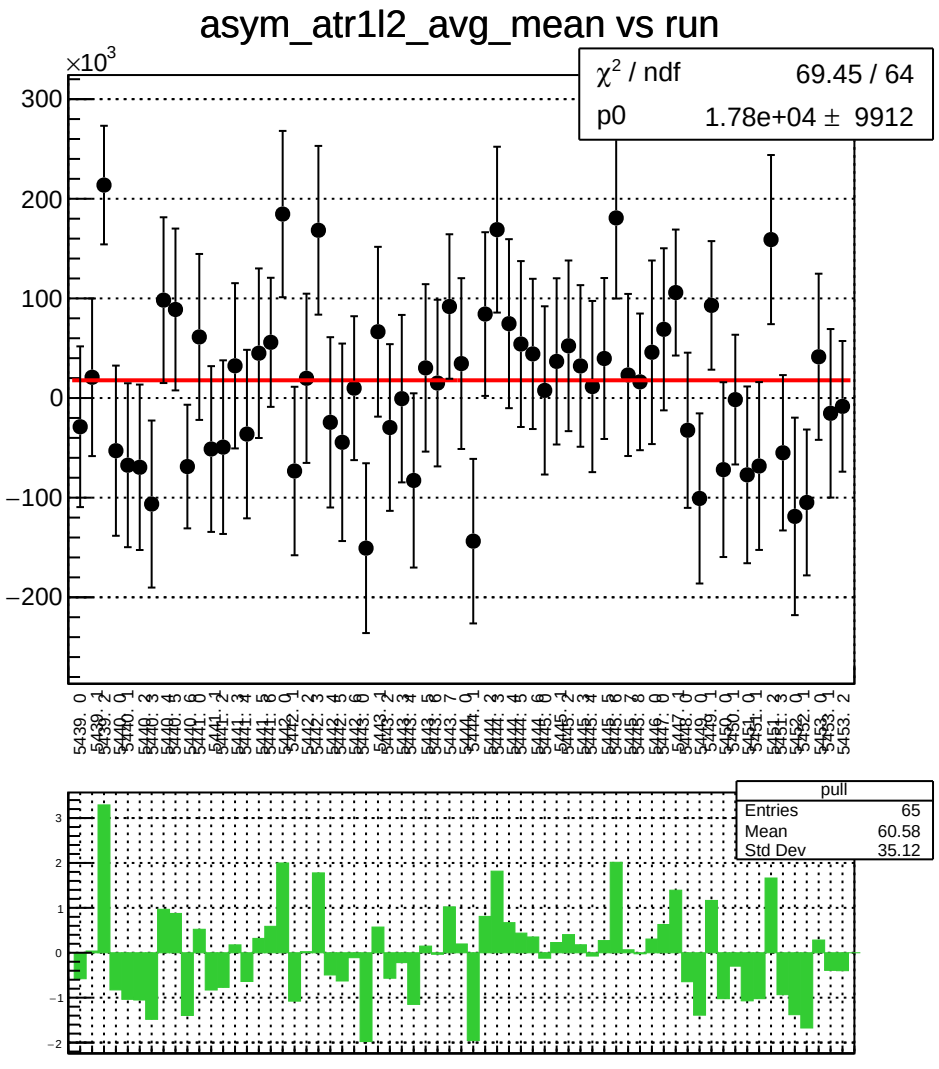

pull1D
Entries 65
Mean −0.03406
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

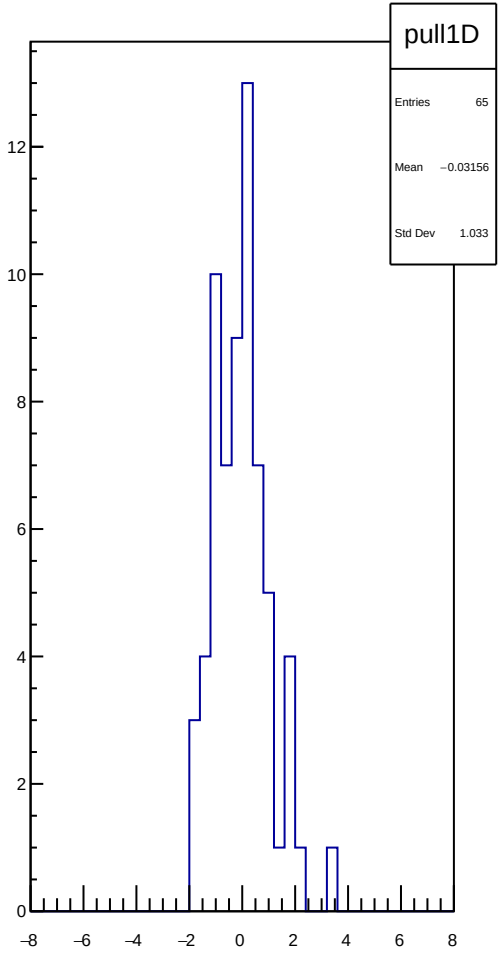

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 5443 / 64
p0 5787 ± 5.056
8000
7500
7000
6500
6000
5500

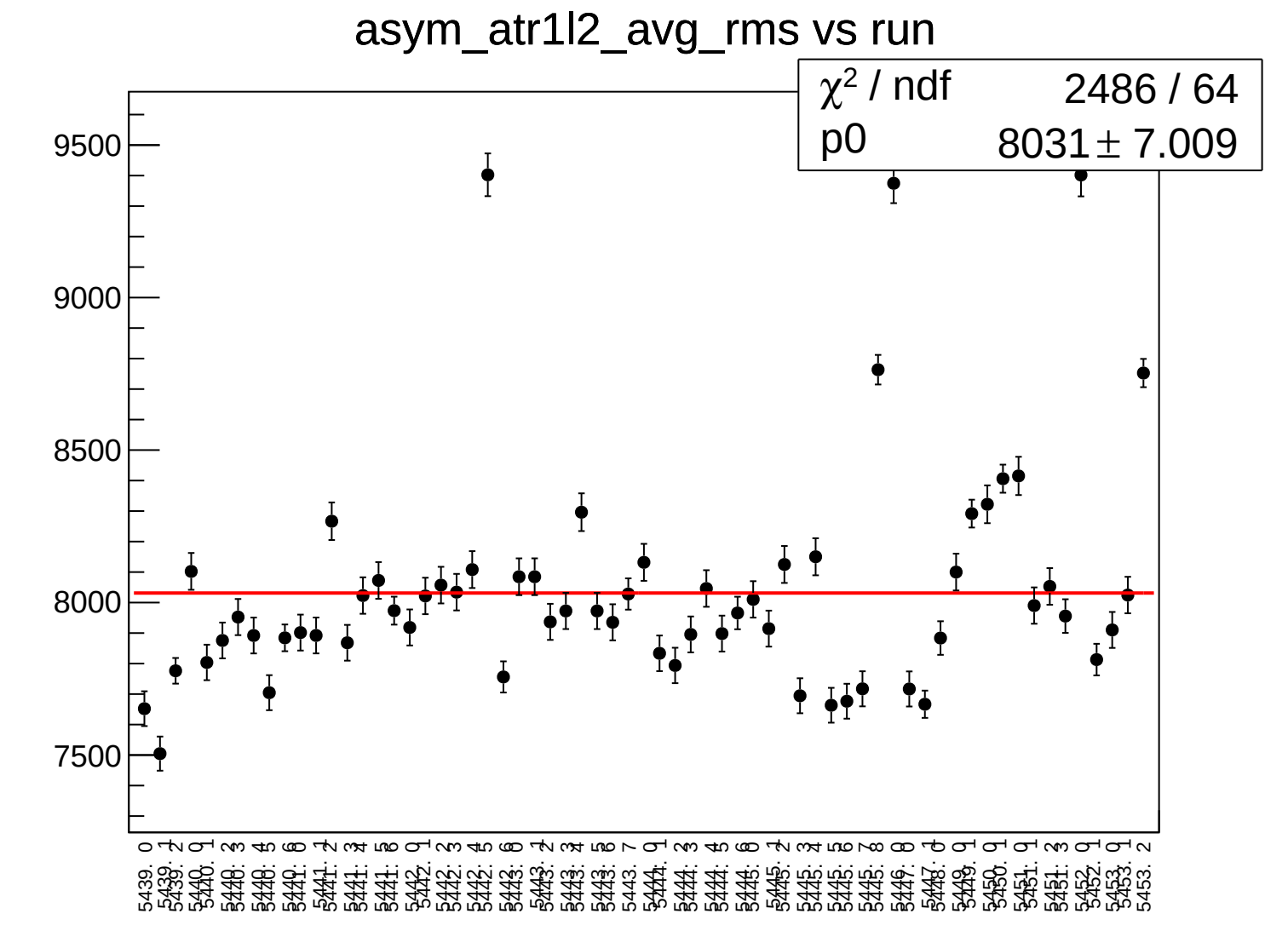

asym_atr1l2_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.29 / 64
p0 −3366 ± 6548
pull
Entries 65
Mean −12.14
Std Dev 46.29

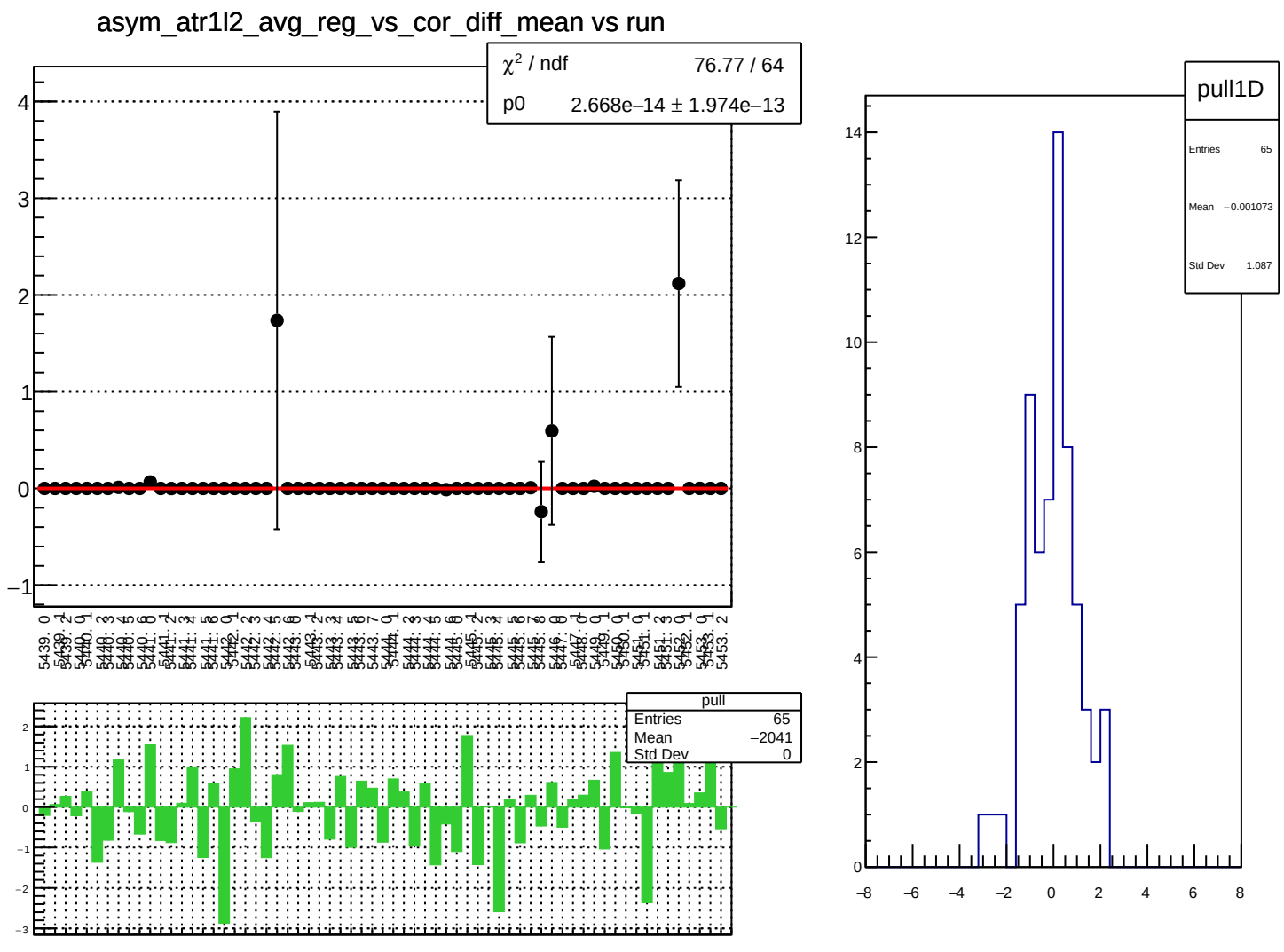

pull1D
Entries 65
Mean 0.006342
Std Dev 0.8619

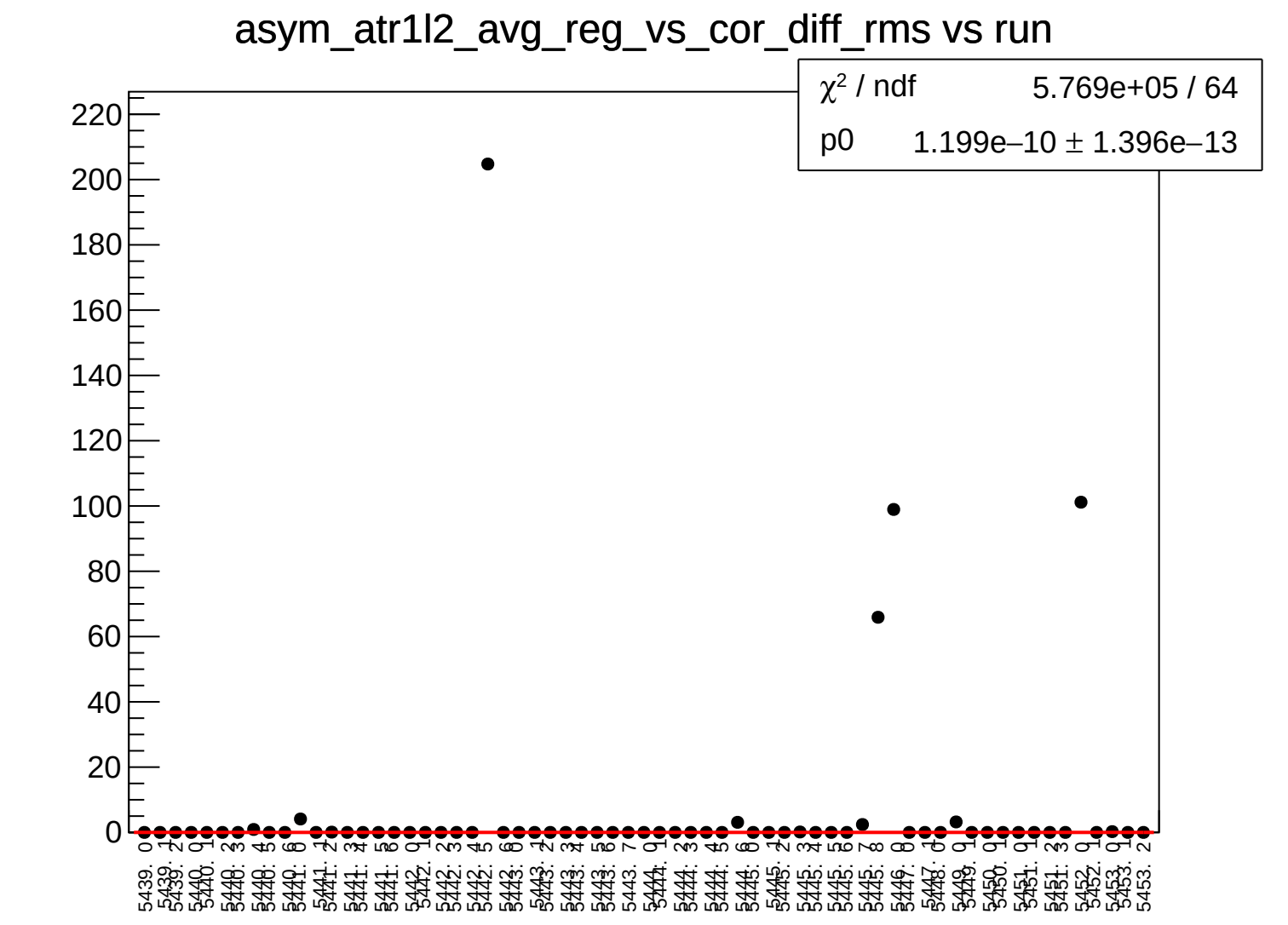

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.104e+04 / 64
p0 5247 ± 4.63
6500
6000
5500
5000
4500
4000
3500
3000

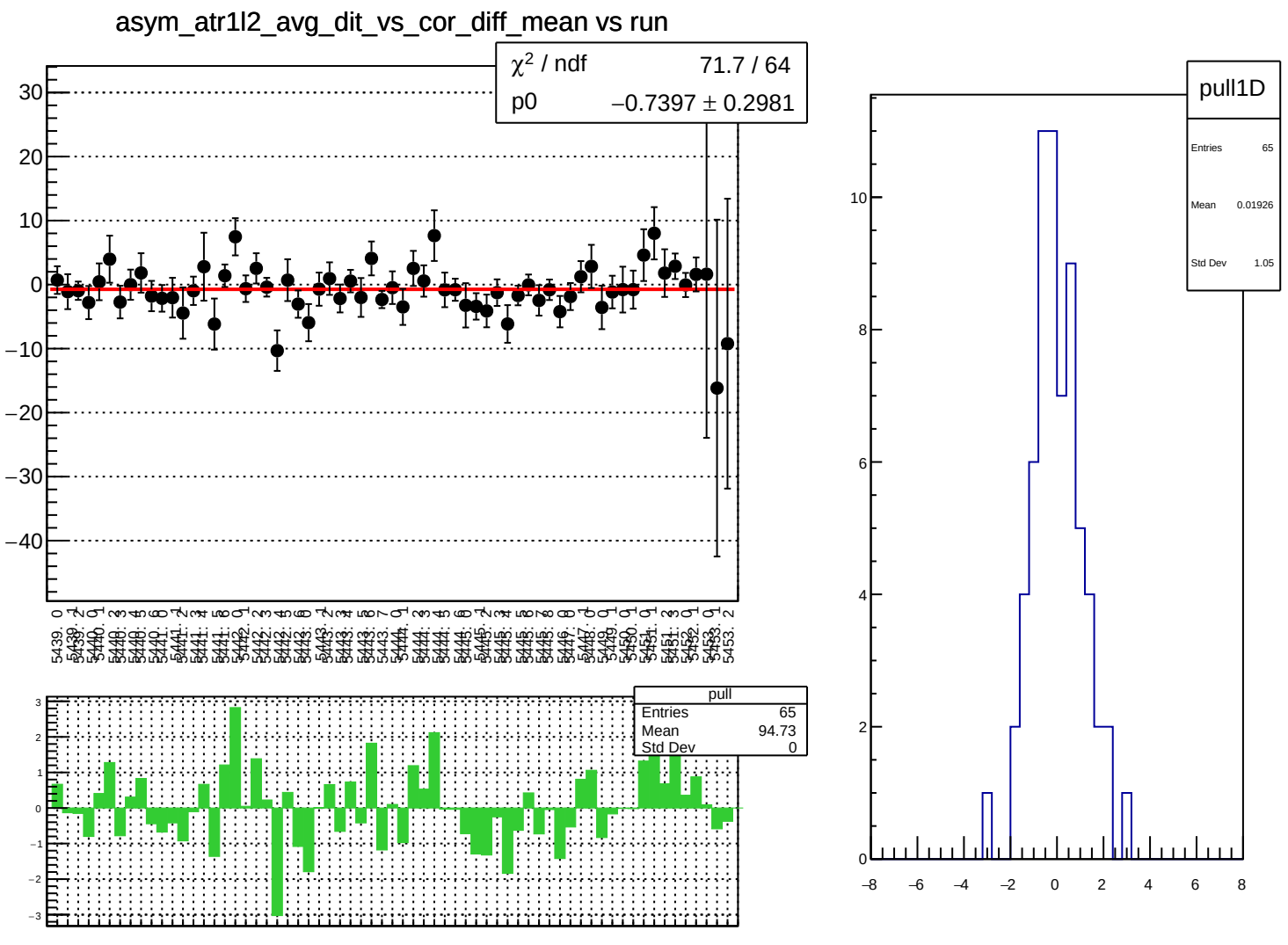

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 69.45 / 64
p0 1.78e+04 ± 9912
pull
Entries 65
Mean 60.58
Std Dev 35.12

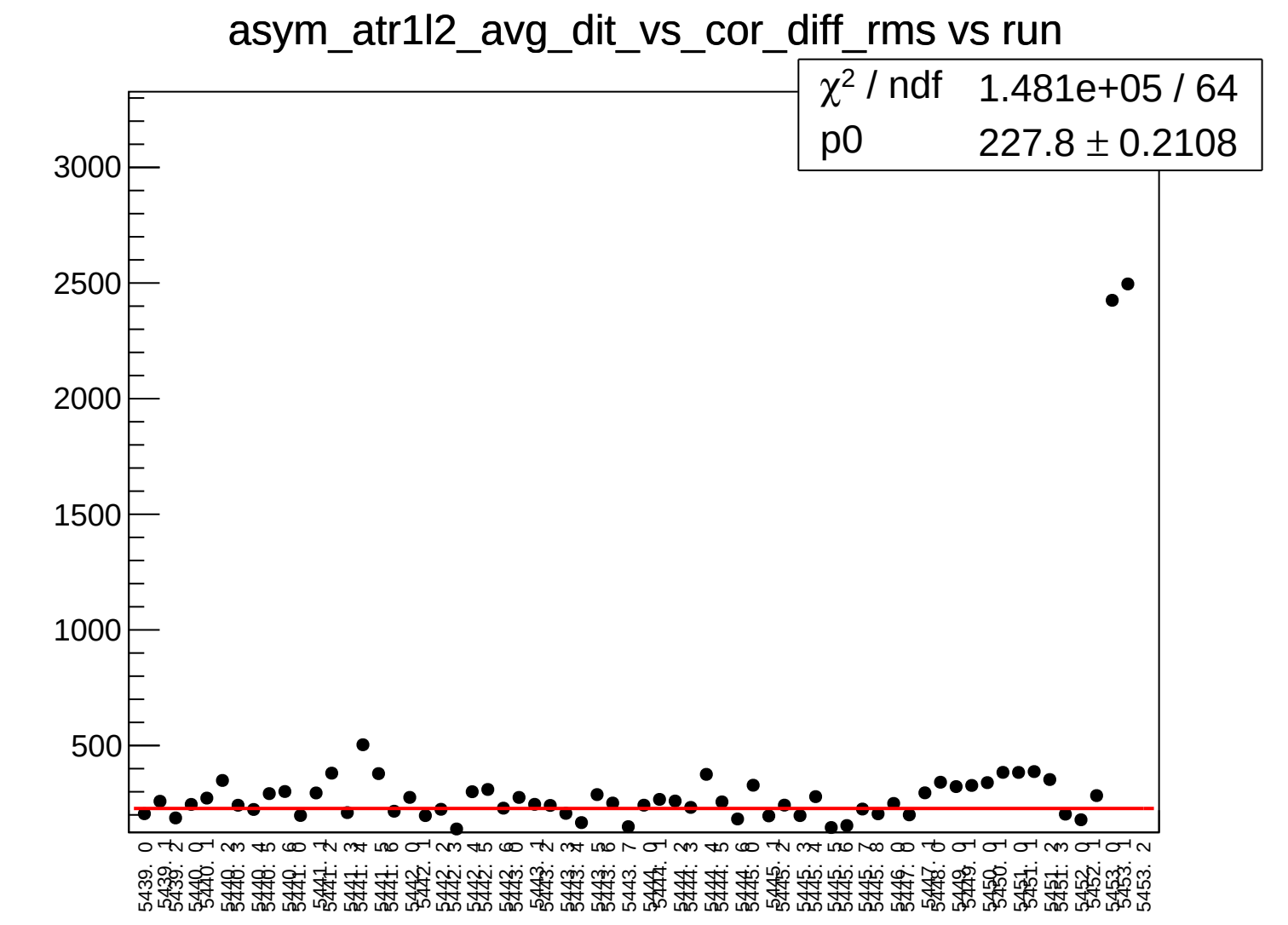

pull1D
Entries 65
Mean −0.03156
Std Dev 1.033

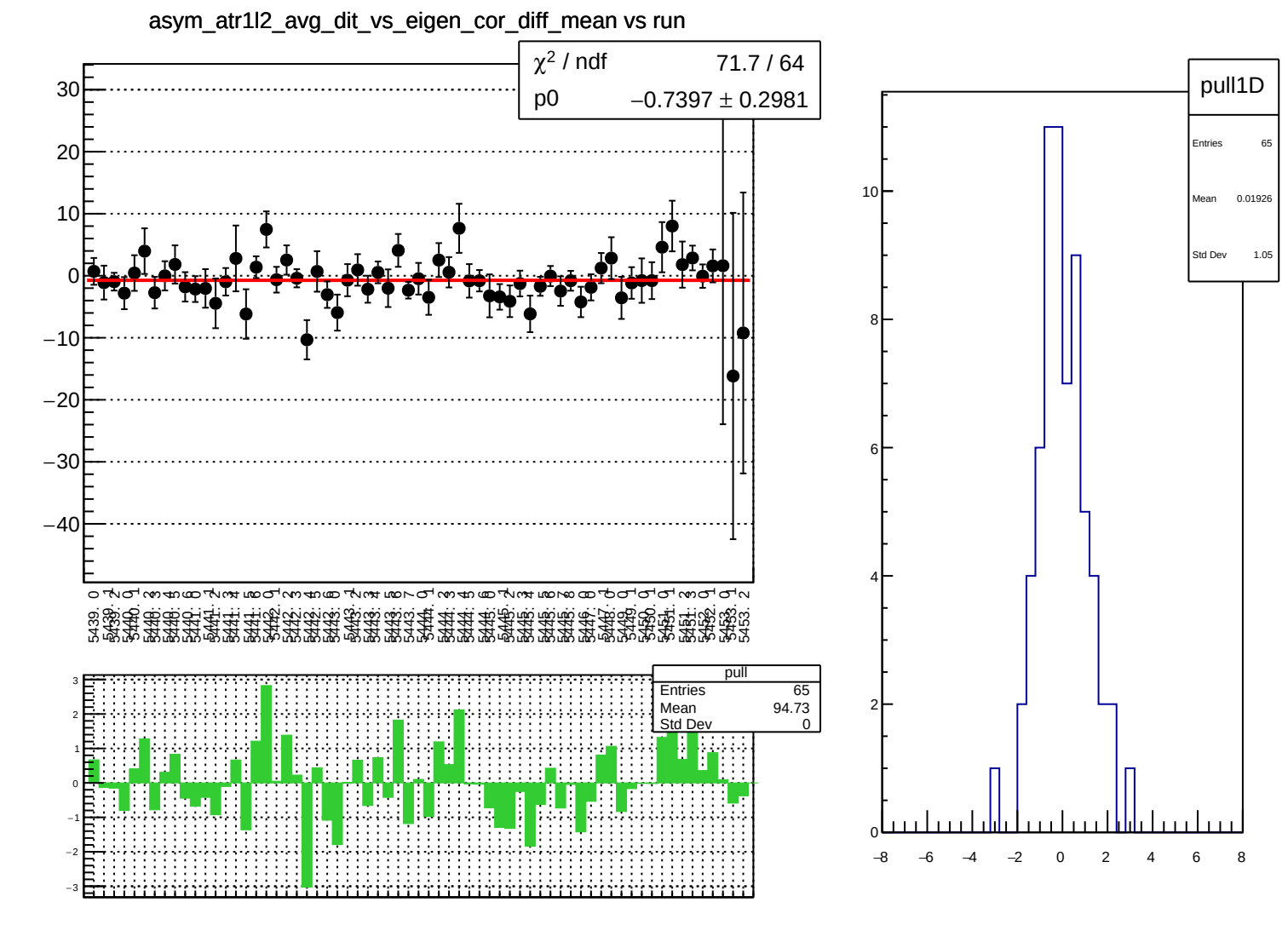

asym_atr1l2_avg_rms vs run
χ² / ndf 2486 / 64
p0 8031 ± 7.009
9500
9000
8500
8000
7500

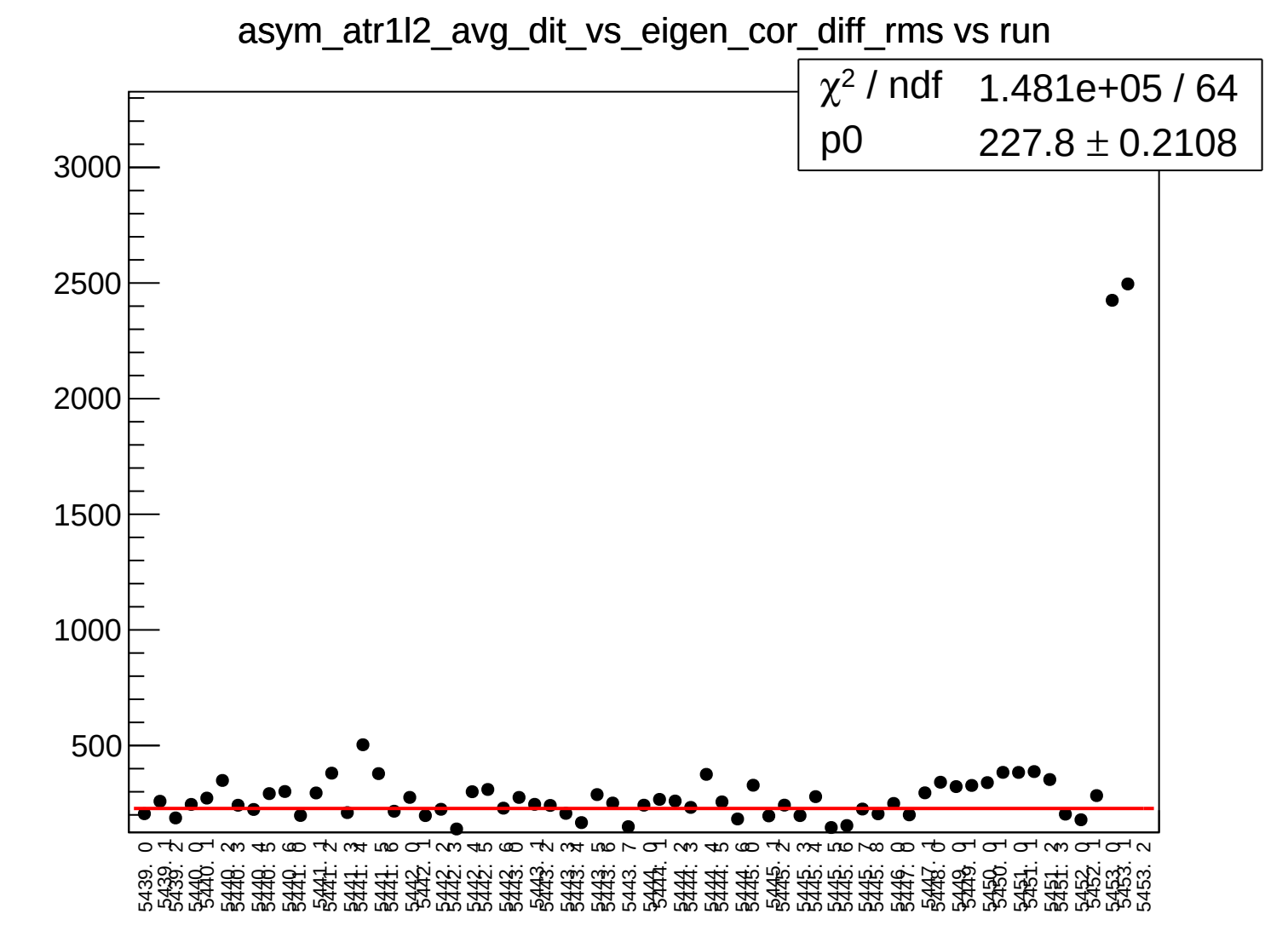

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.77 / 64
p0 2.668e−14 ± 1.974e−13
pull
Entries 65
Mean −2041
Std Dev 0
pull1D
Entries 65
Mean −0.001073
Std Dev 1.087

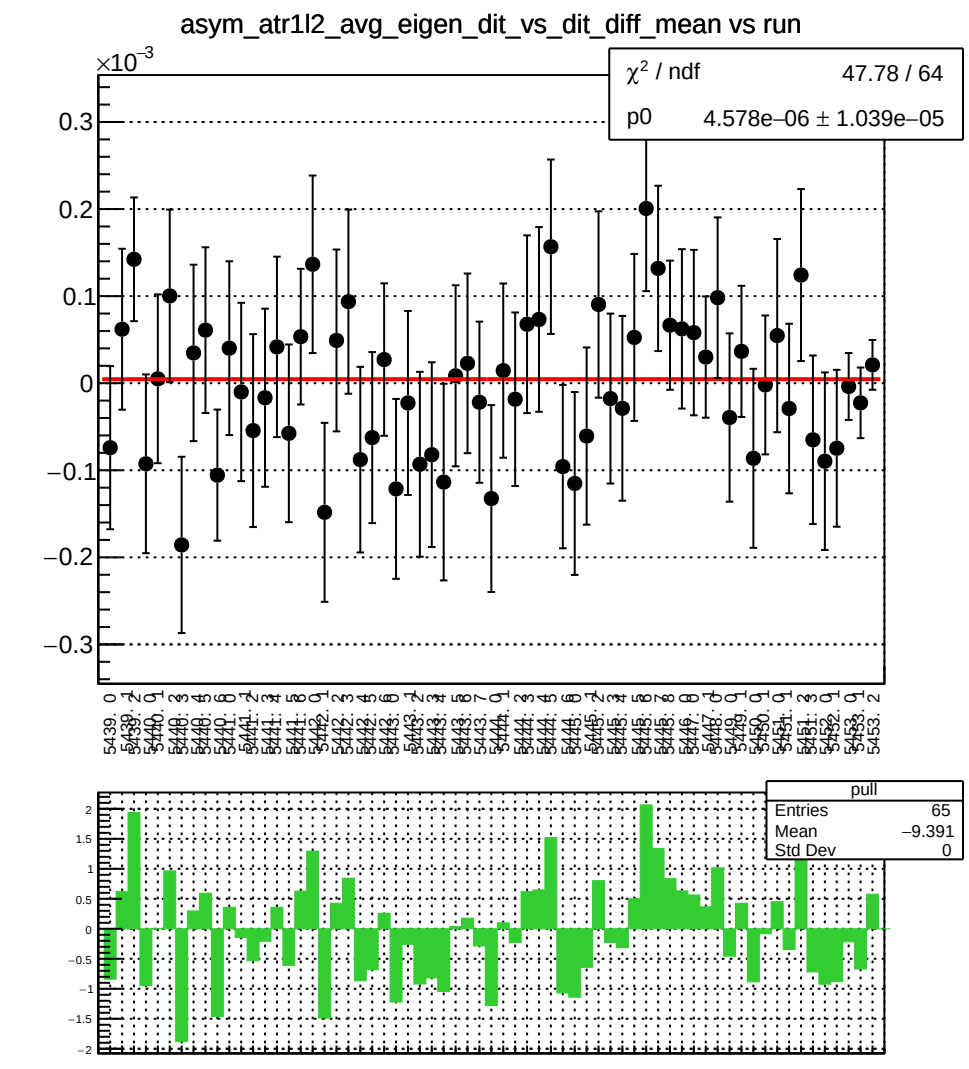

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.769e+05 / 64
p0 1.199e−10 ± 1.396e−13
220
200
180
160
140
120
100
80
60
40
20
0

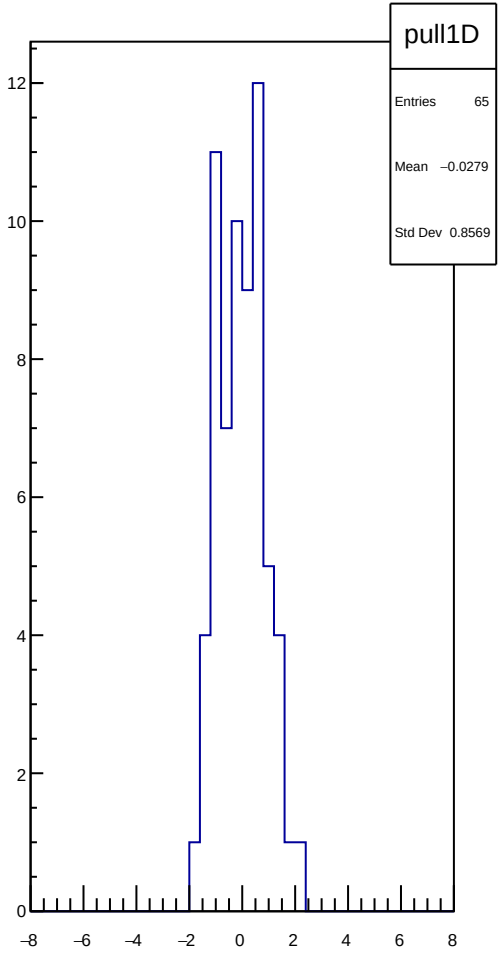

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 71.7 / 64
p0 −0.7397 ± 0.2981
pull
Entries 65
Mean 94.73
Std Dev 0
pull1D
Entries 65
Mean 0.01926
Std Dev 1.05

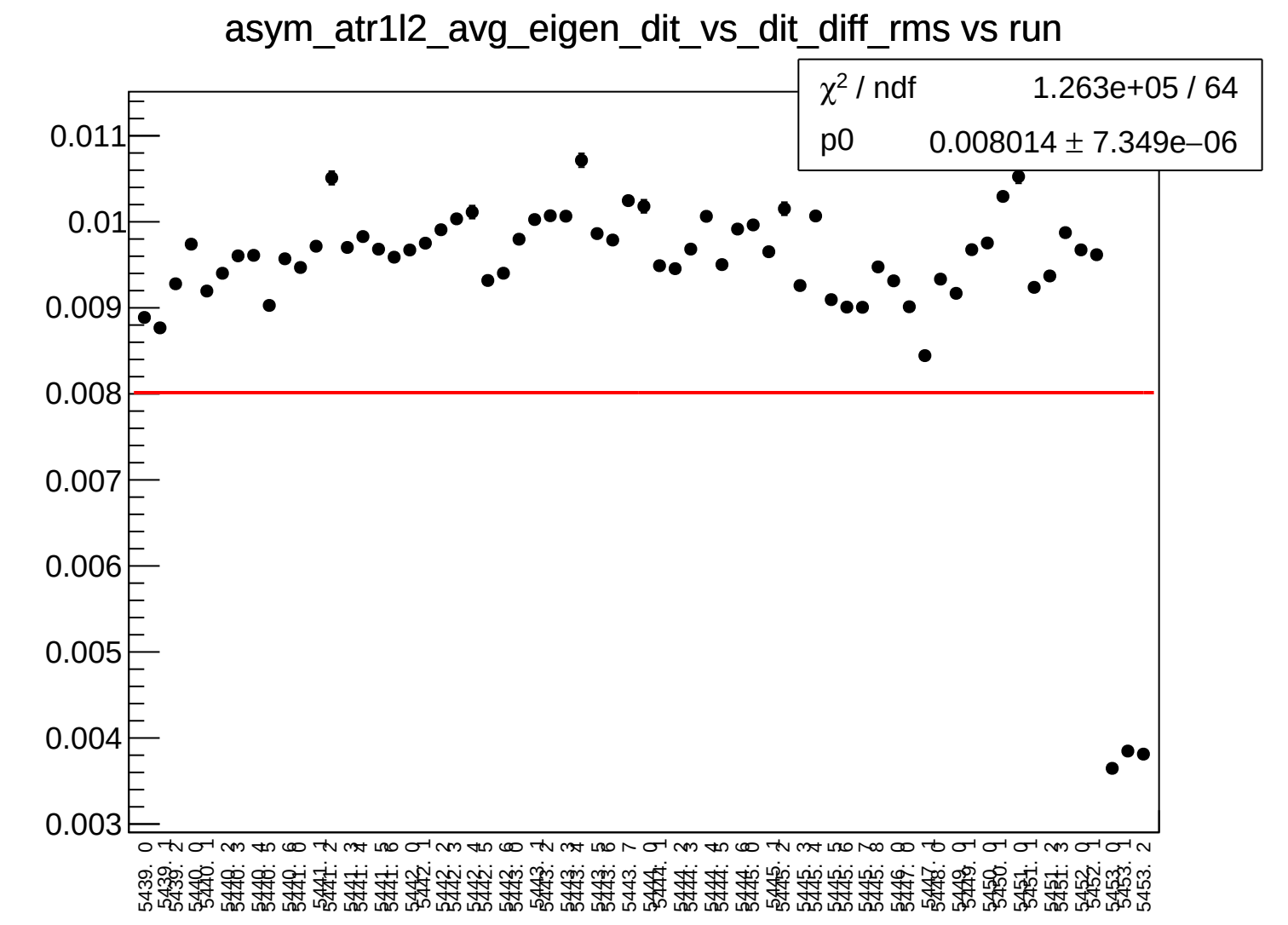

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.481e+05 / 64
p0 227.8 ± 0.2108
3000
2500
2000
1500
1000
500

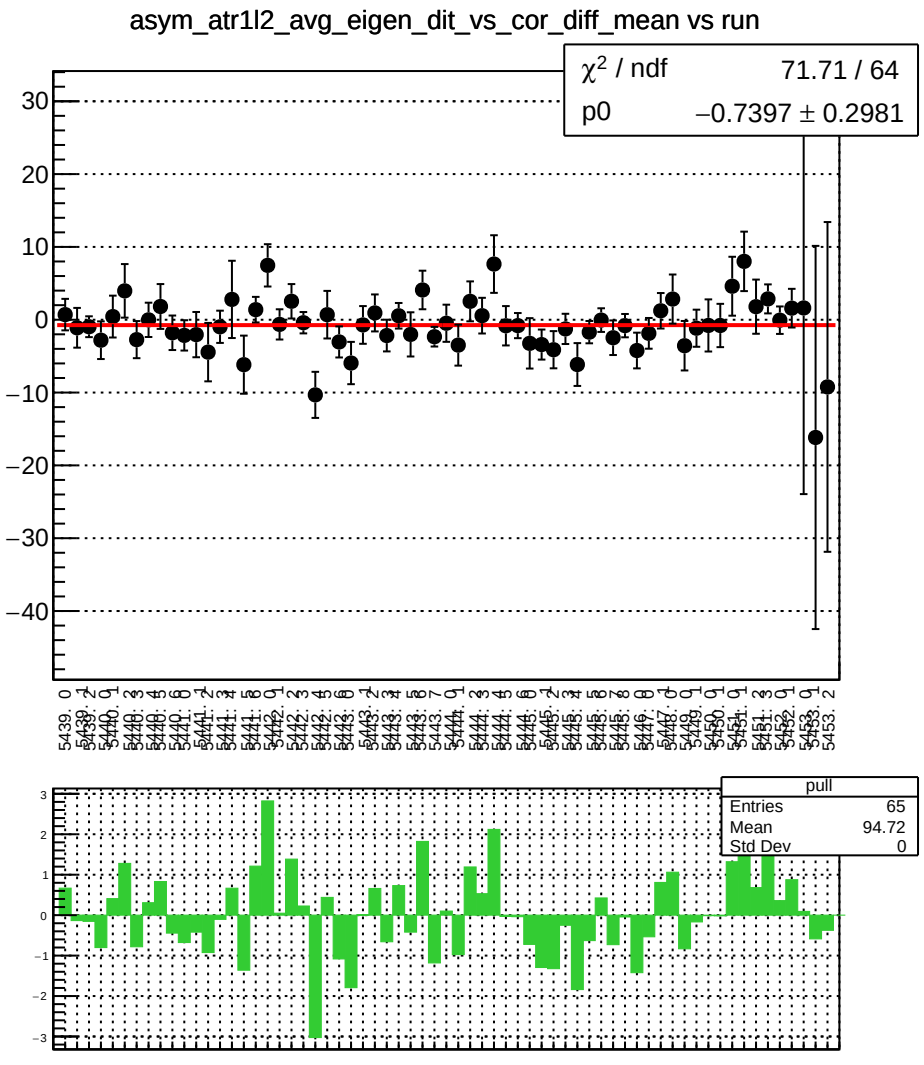

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.7 / 64
p0 −0.7397 ± 0.2981
pull
Entries 65
Mean 94.73
Std Dev 0
pull1D
Entries 65
Mean 0.01926
Std Dev 1.05

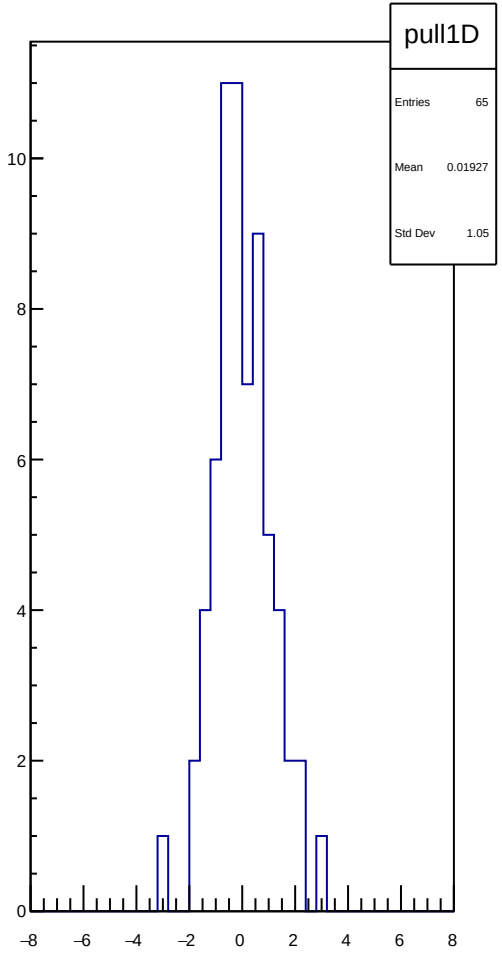

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.481e+05 / 64
p0 227.8 ± 0.2108
3000
2500
2000
1500
1000
500

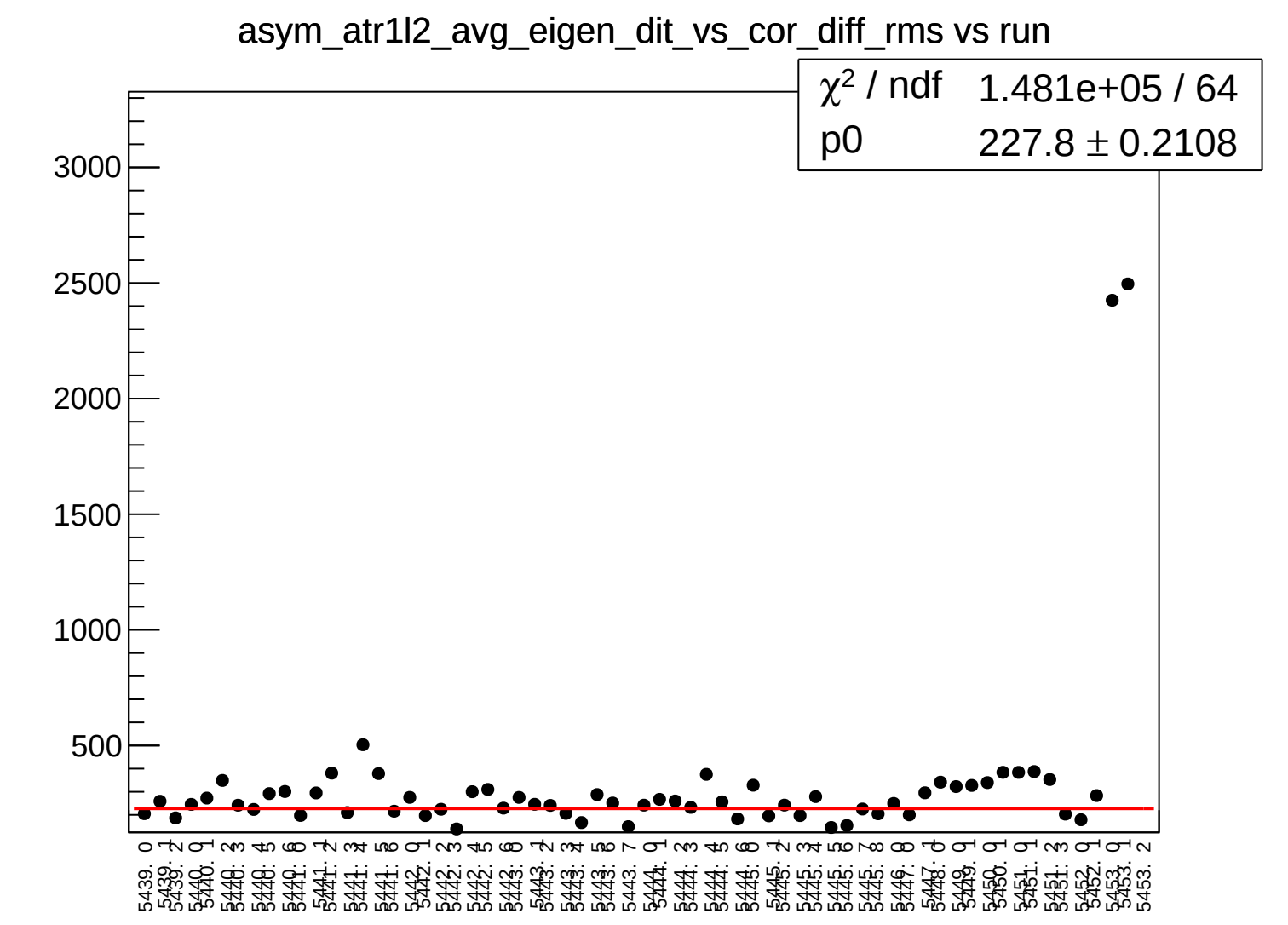

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.78 / 64
p0 4.578e−06 ± 1.039e−05
pull
Entries 65
Mean −9.391
Std Dev 0

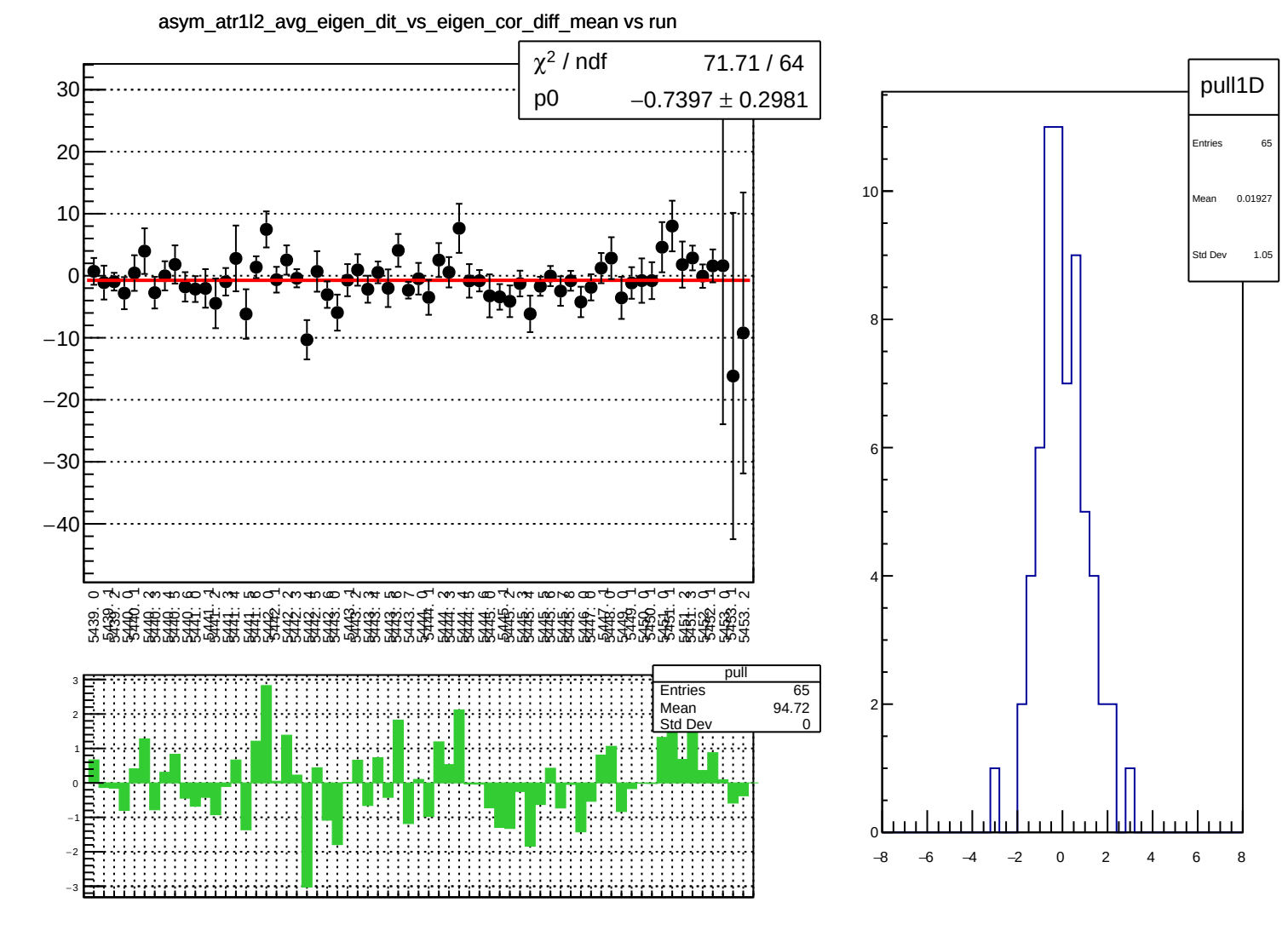

pull1D
Entries 65
Mean −0.0279
Std Dev 0.8569

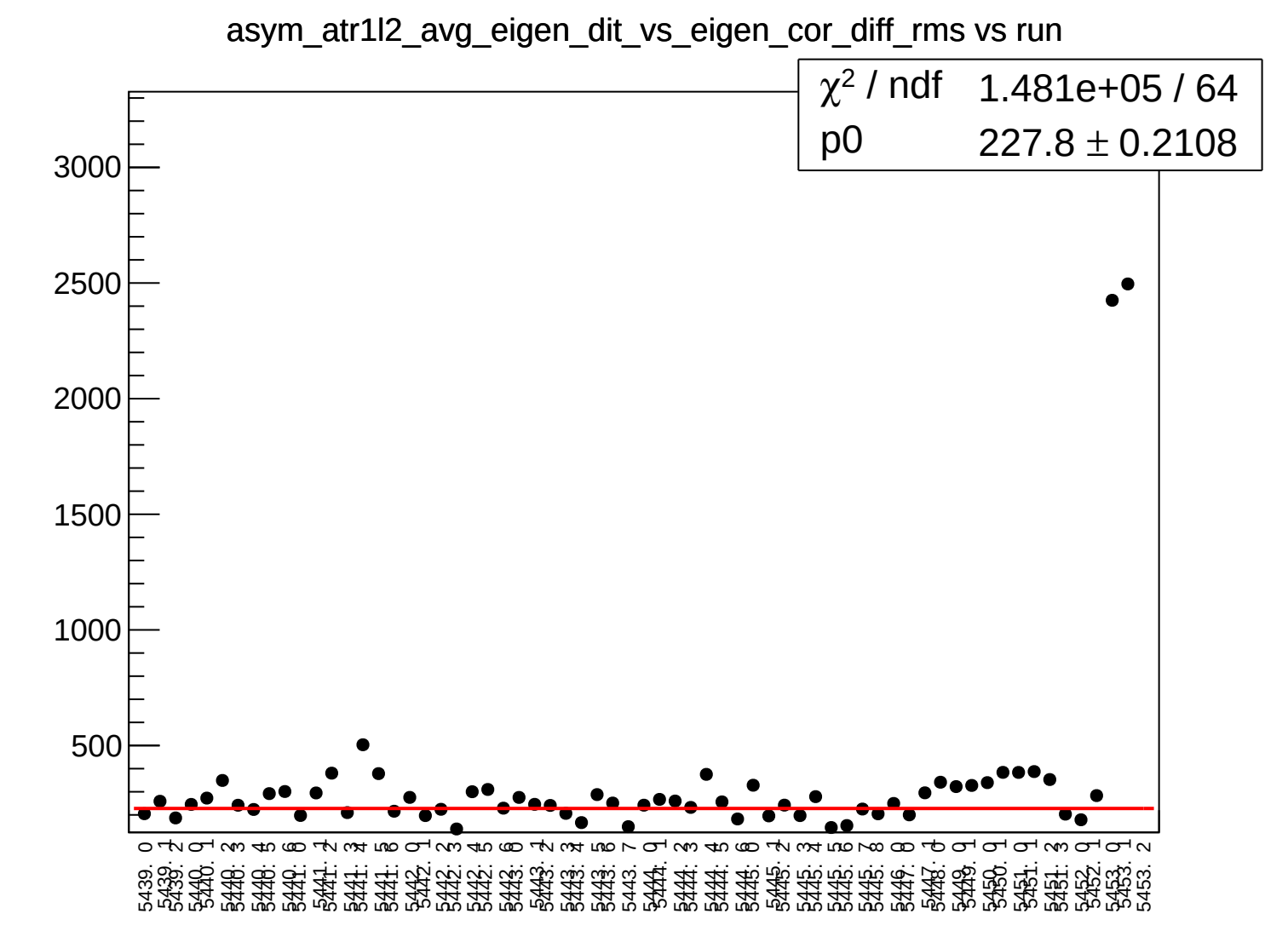

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.263e+05 / 64
p0 0.008014 ± 7.349e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

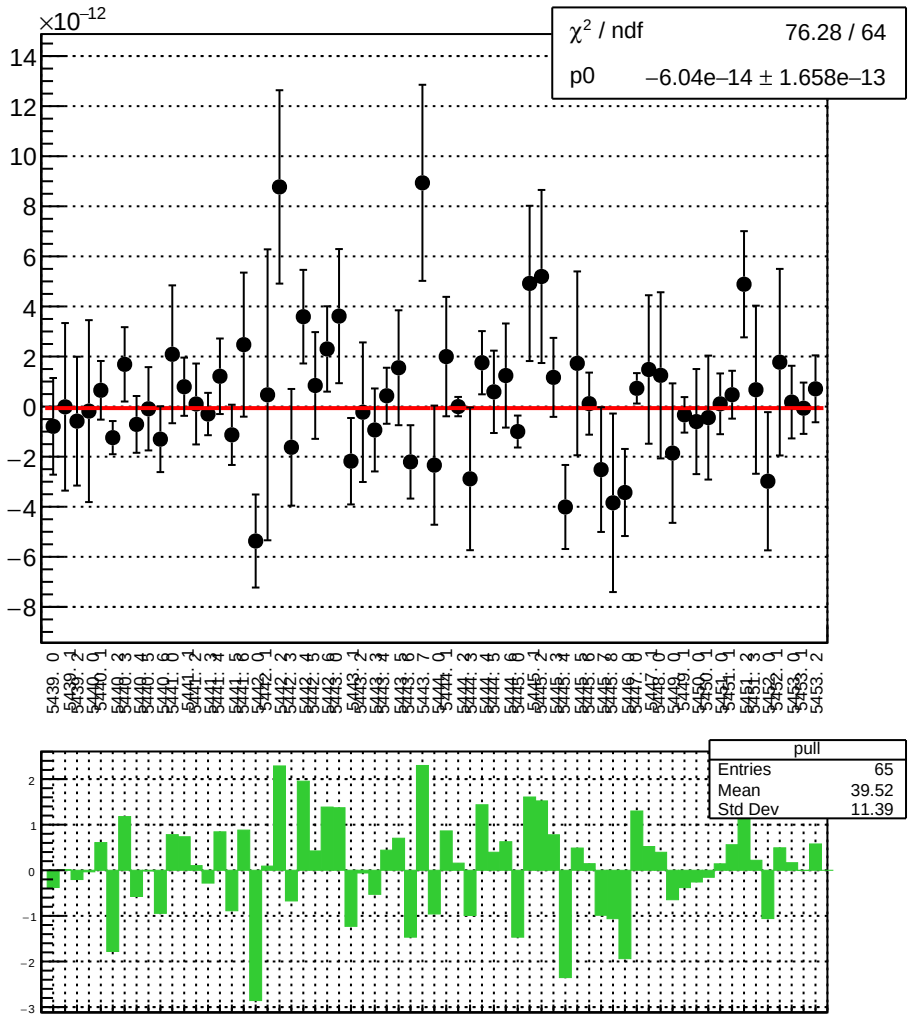

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.71 / 64
p0 −0.7397 ± 0.2981
pull
Entries 65
Mean 94.72
Std Dev 0

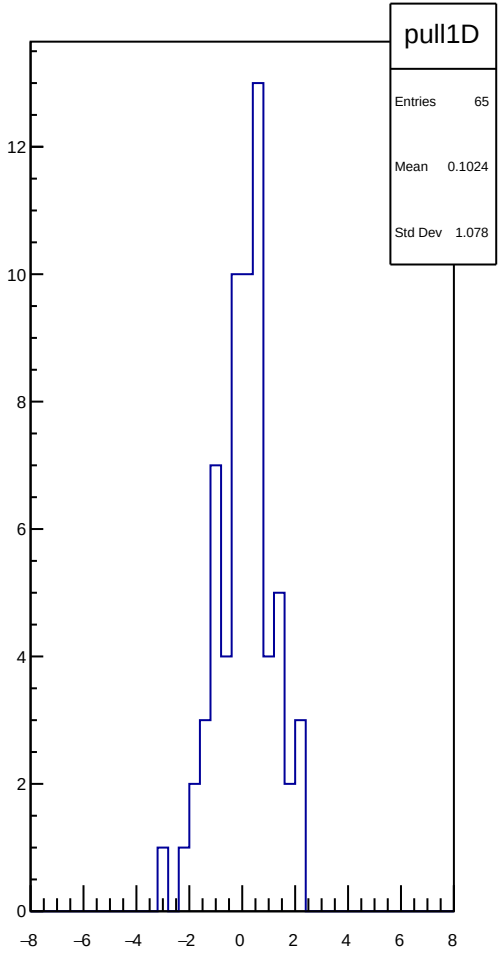

pull1D
Entries 65
Mean 0.01927
Std Dev 1.05

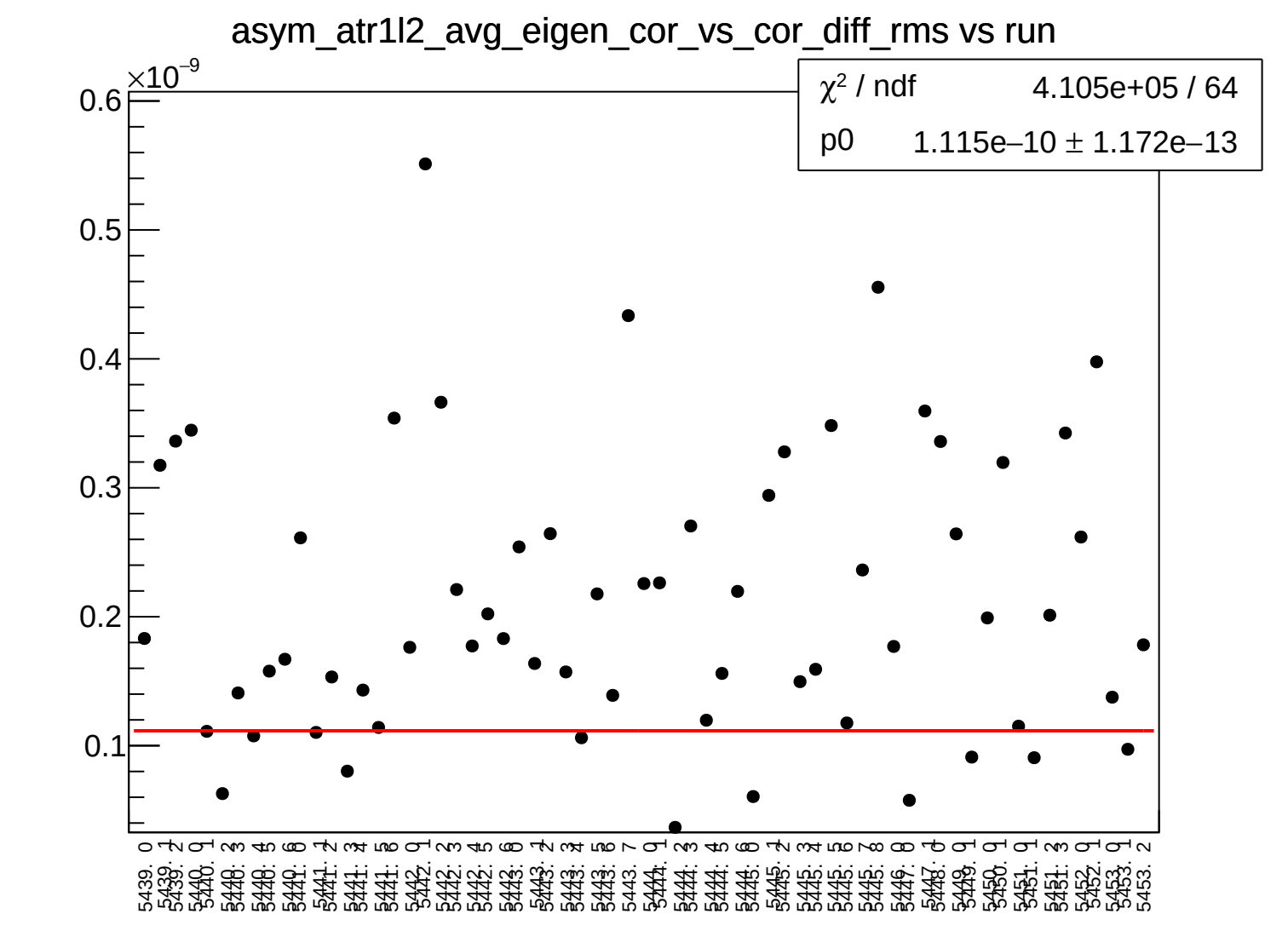

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.481e+05 / 64
p0 227.8 ± 0.2108
3000
2500
2000
1500
1000
500

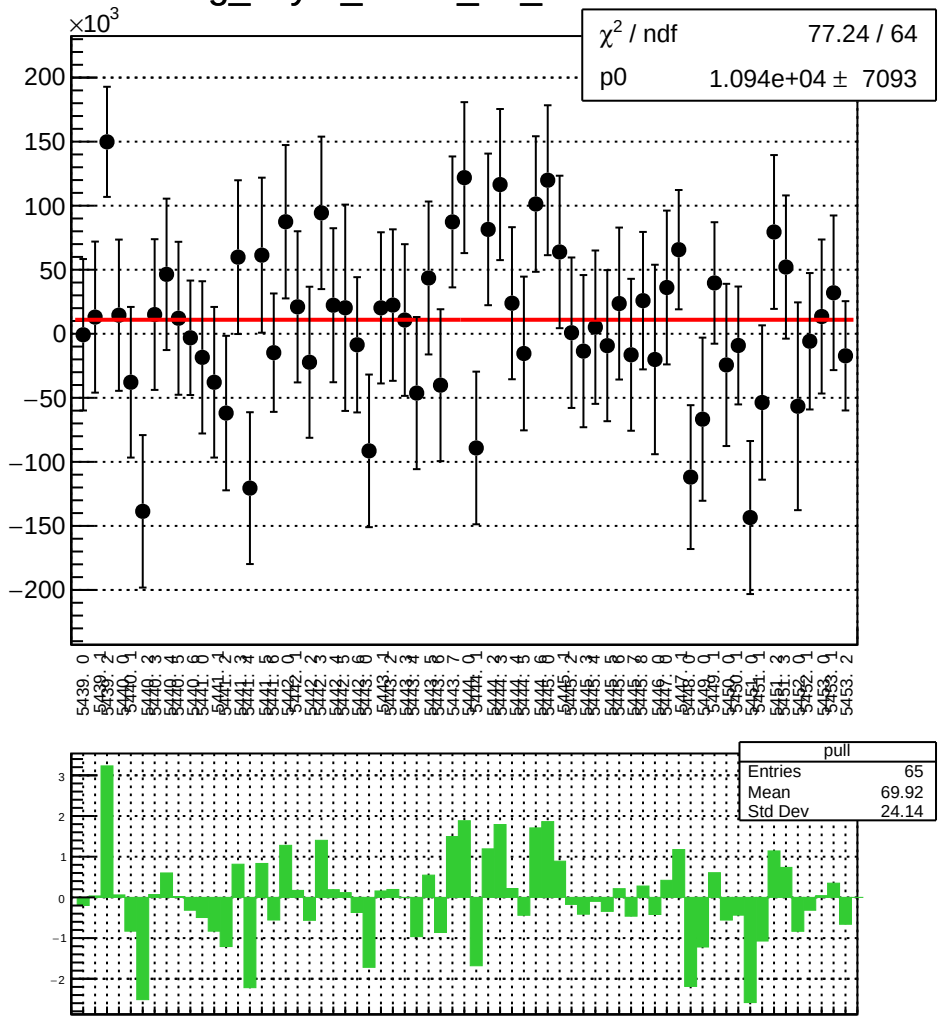

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.71 / 64
p0 −0.7397 ± 0.2981
pull
Entries 65
Mean 94.72
Std Dev 0
pull1D
Entries 65
Mean 0.01927
Std Dev 1.05

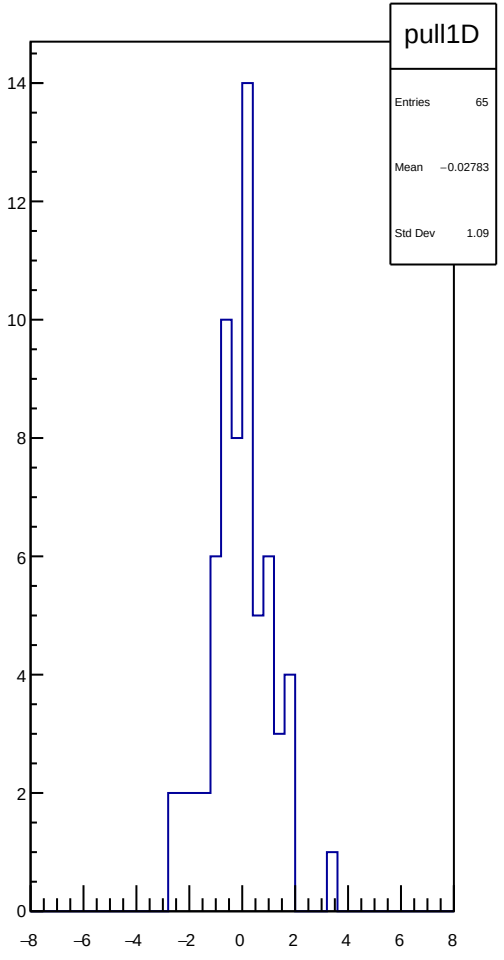

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.481e+05 / 64
p0 227.8 ± 0.2108
3000
2500
2000
1500
1000
500

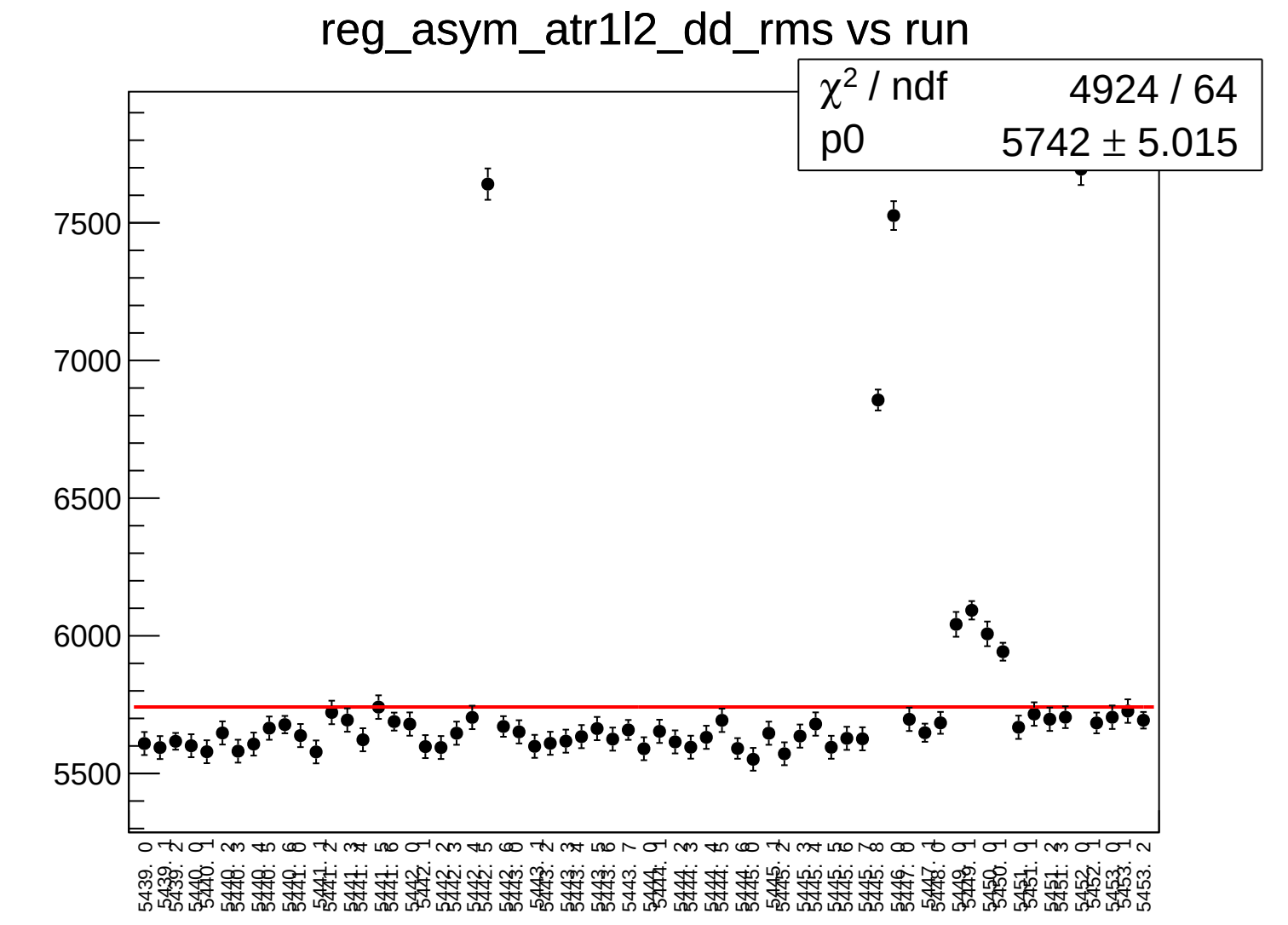

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.28 / 64
p0 −6.04e−14 ± 1.658e−13
pull
Entries 65
Mean 39.52
Std Dev 11.39

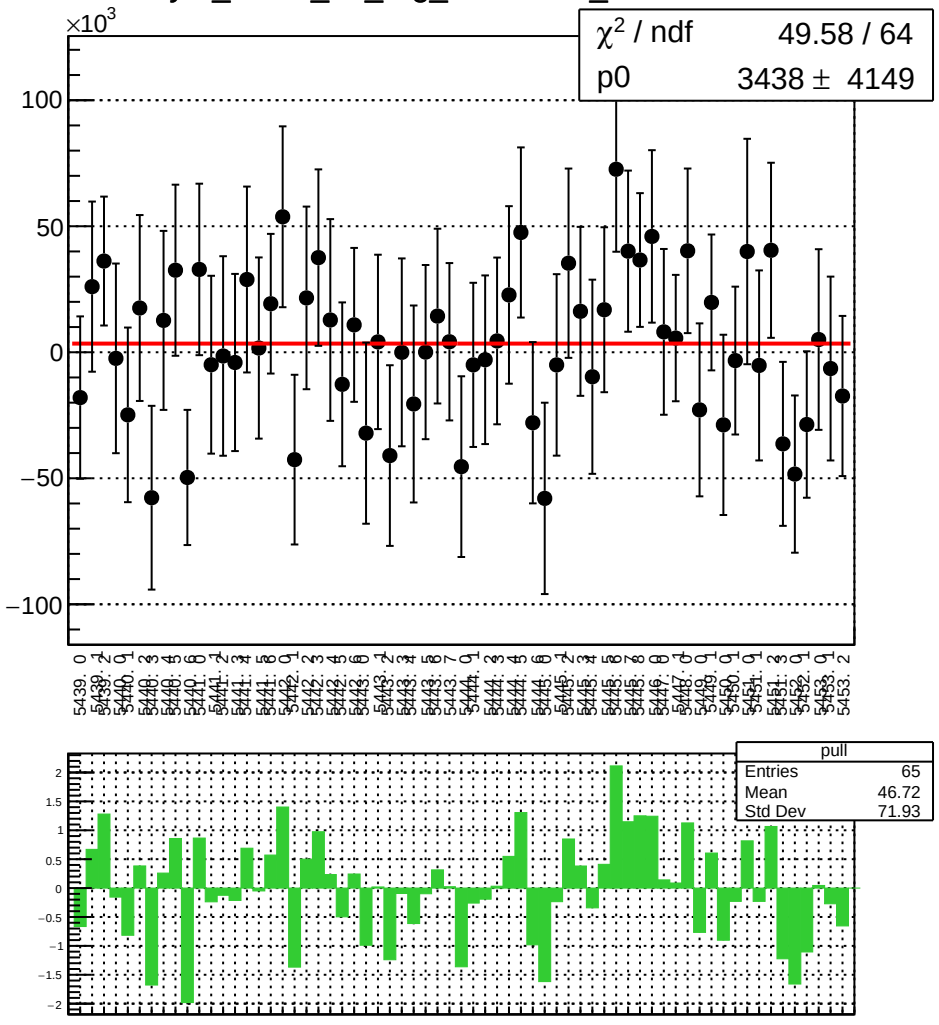

pull1D
Entries 65
Mean 0.1024
Std Dev 1.078

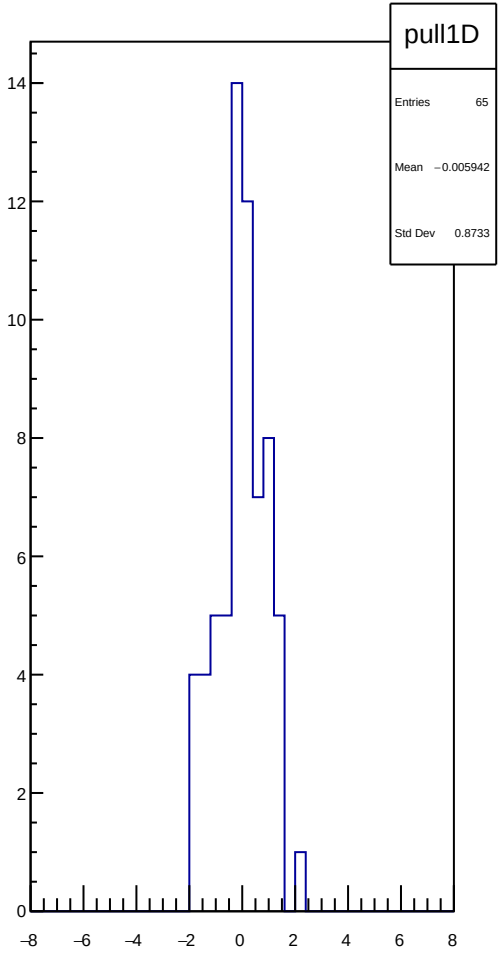

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.105e+05 / 64
p0 1.115e−10 ± 1.172e−13
0.6
0.5
0.4
0.3
0.2
0.1

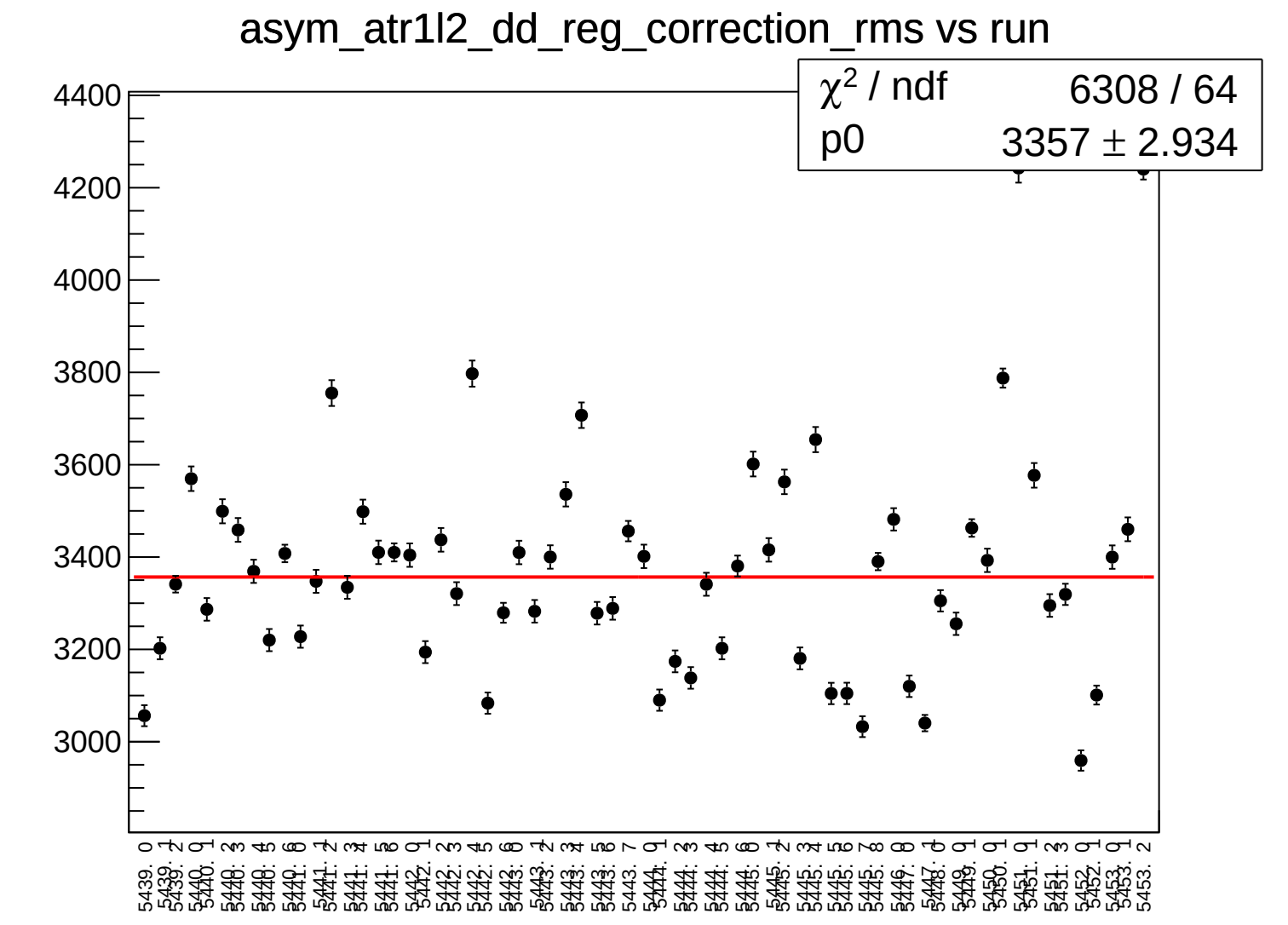

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 77.24 / 64
p0 1.094e+04 ± 7093
pull
Entries 65
Mean 69.92
Std Dev 24.14

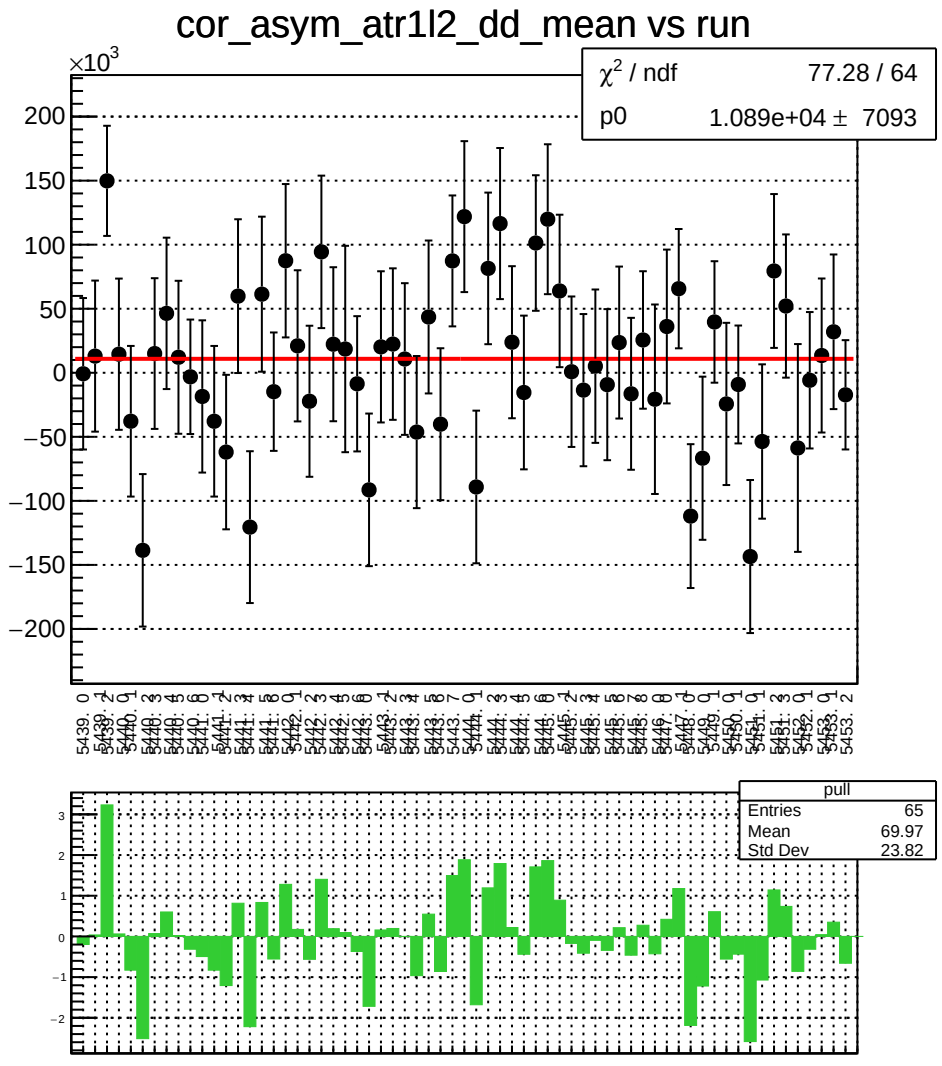

pull1D
Entries 65
Mean −0.02783
Std Dev 1.09

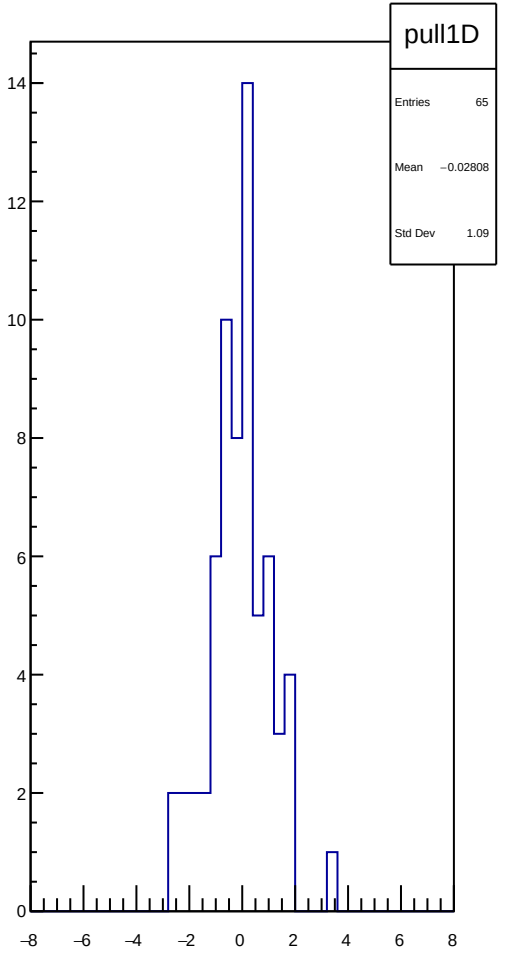

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 4924 / 64
p0 5742 ± 5.015
7500
7000
6500
6000
5500

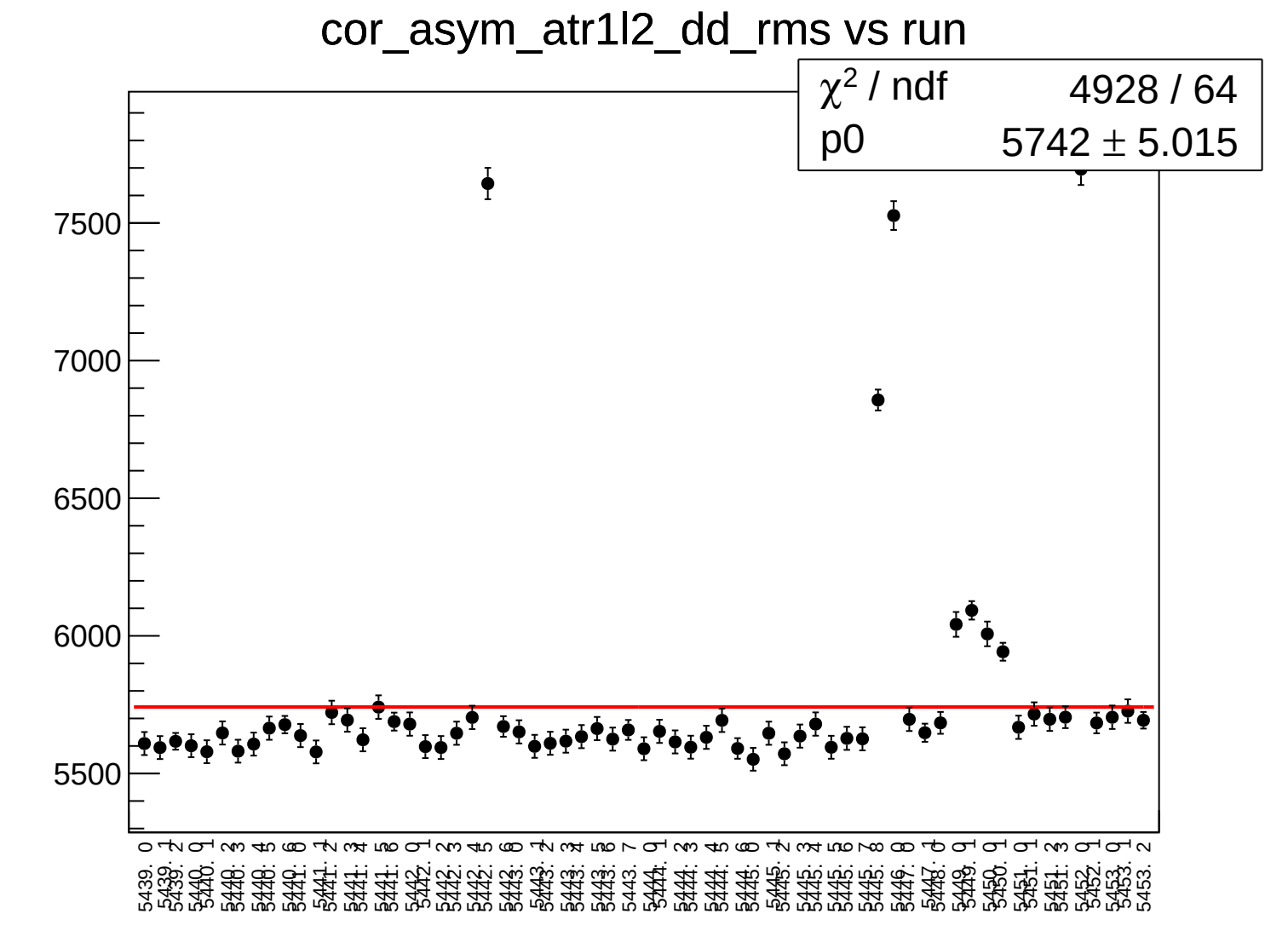

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.58 / 64
p0 3438 ± 4149
100
50
0
−50
−100
pull
Entries 65
Mean 46.72
Std Dev 71.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

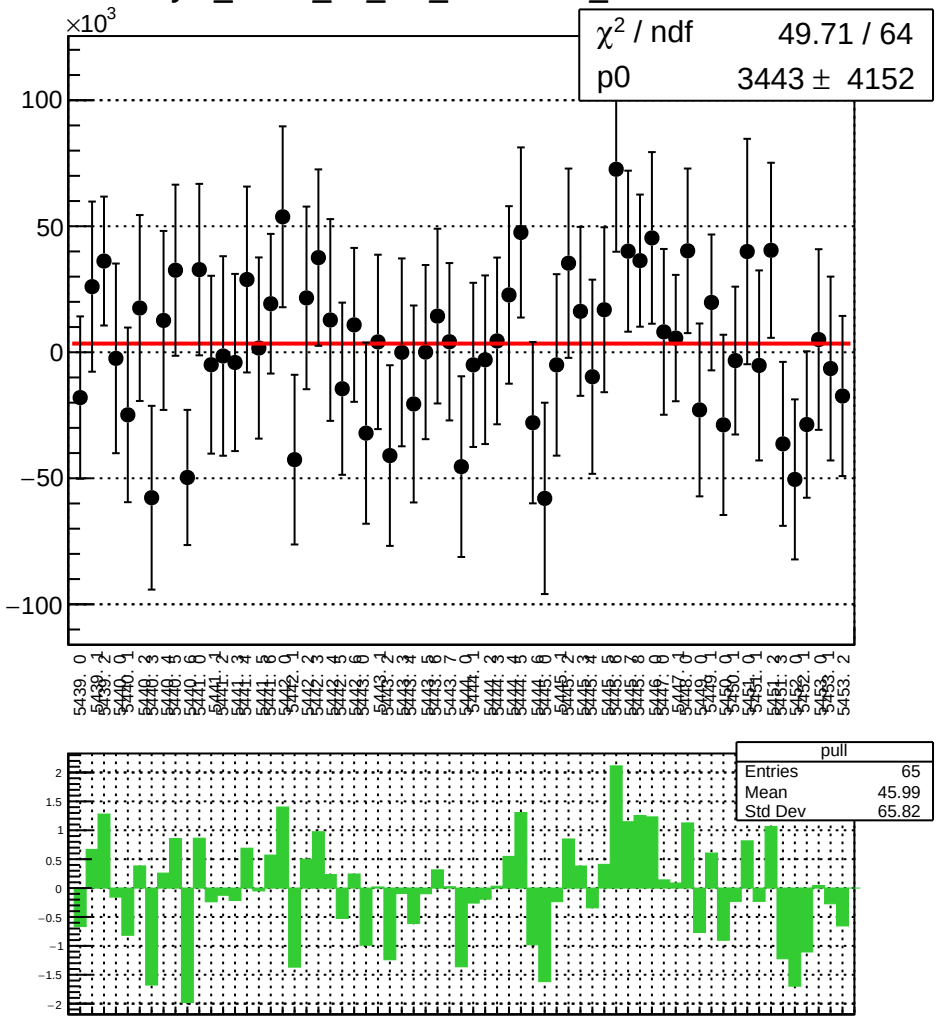

pull1D
Entries 65
Mean −0.005942
Std Dev 0.8733
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

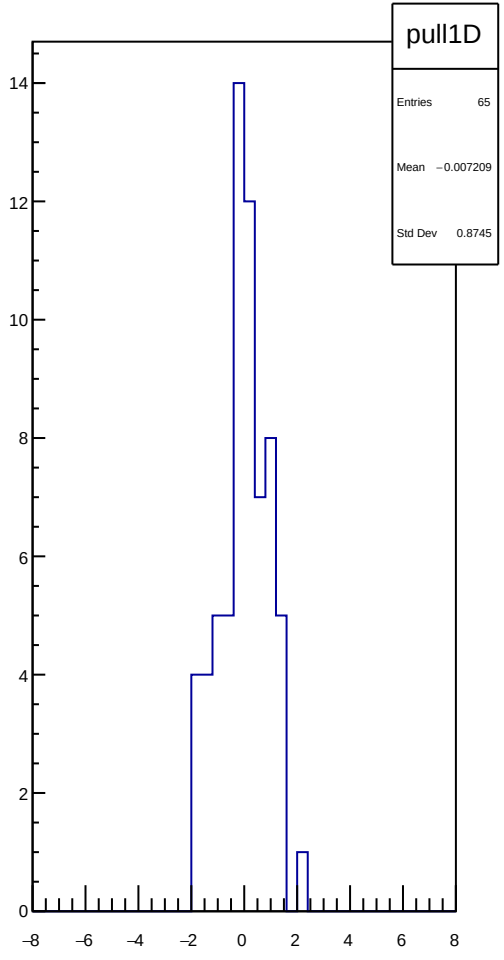

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 6308 / 64
p0 3357 ± 2.934
4400
4200
4000
3800
3600
3400
3200
3000

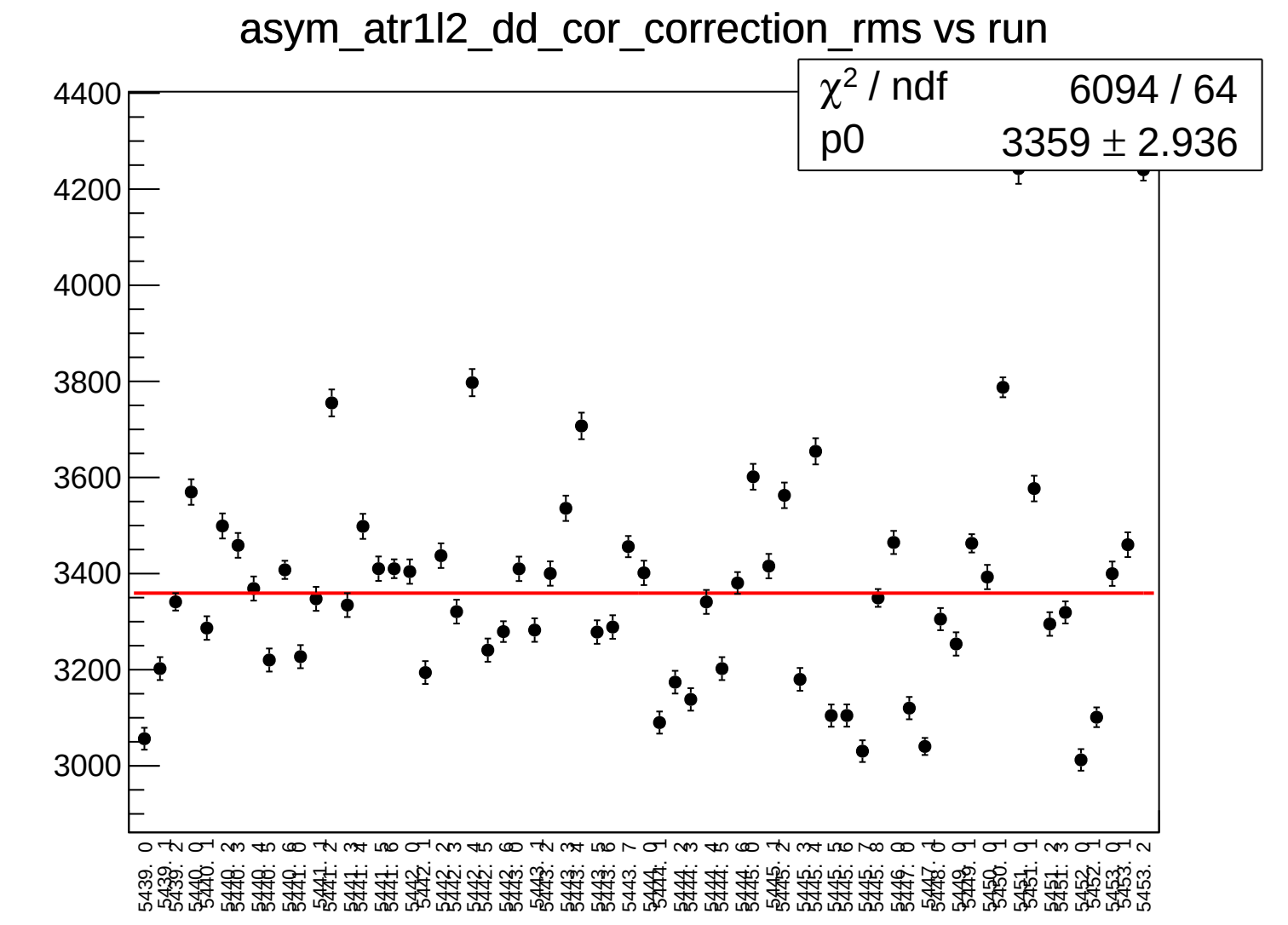

cor_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 77.28 / 64
p0 1.089e+04 ± 7093
pull
Entries 65
Mean 69.97
Std Dev 23.82

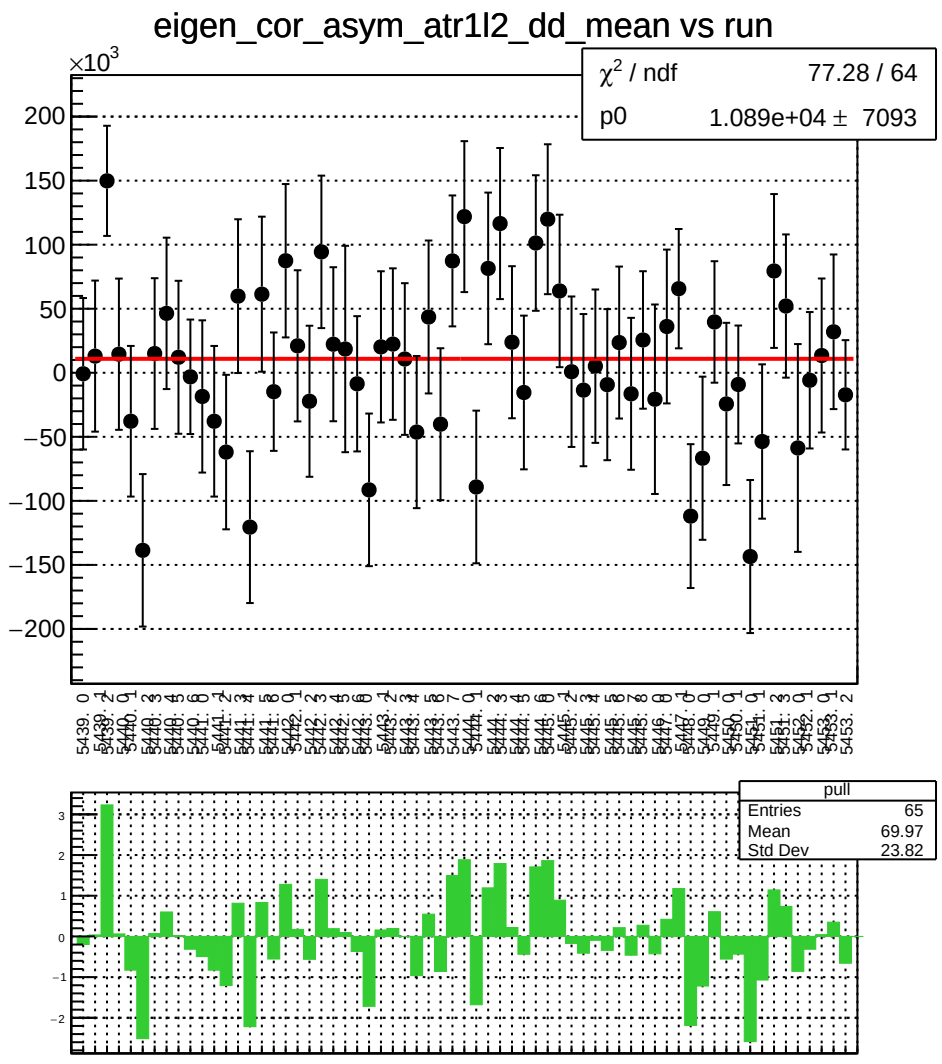

pull1D
Entries 65
Mean −0.02808
Std Dev 1.09

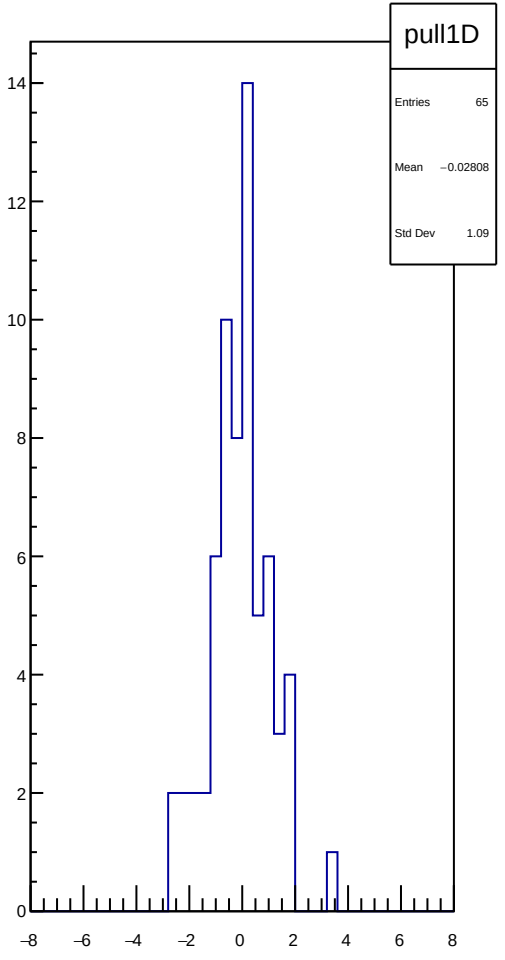

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 4928 / 64
p0 5742 ± 5.015
7500
7000
6500
6000
5500

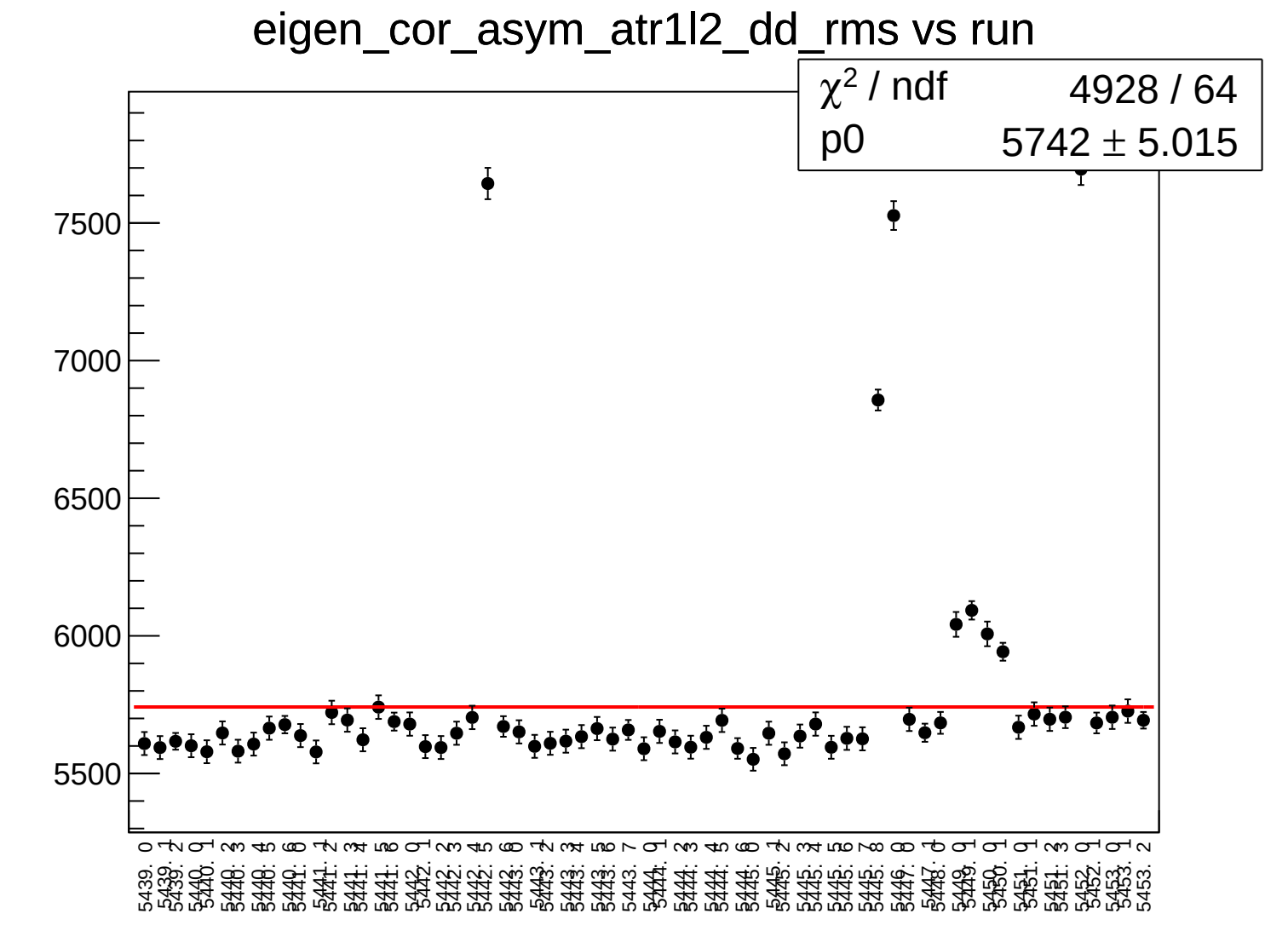

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.71 / 64
p0 3443 ± 4152
100
50
0
−50
−100
pull
Entries 65
Mean 45.99
Std Dev 65.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

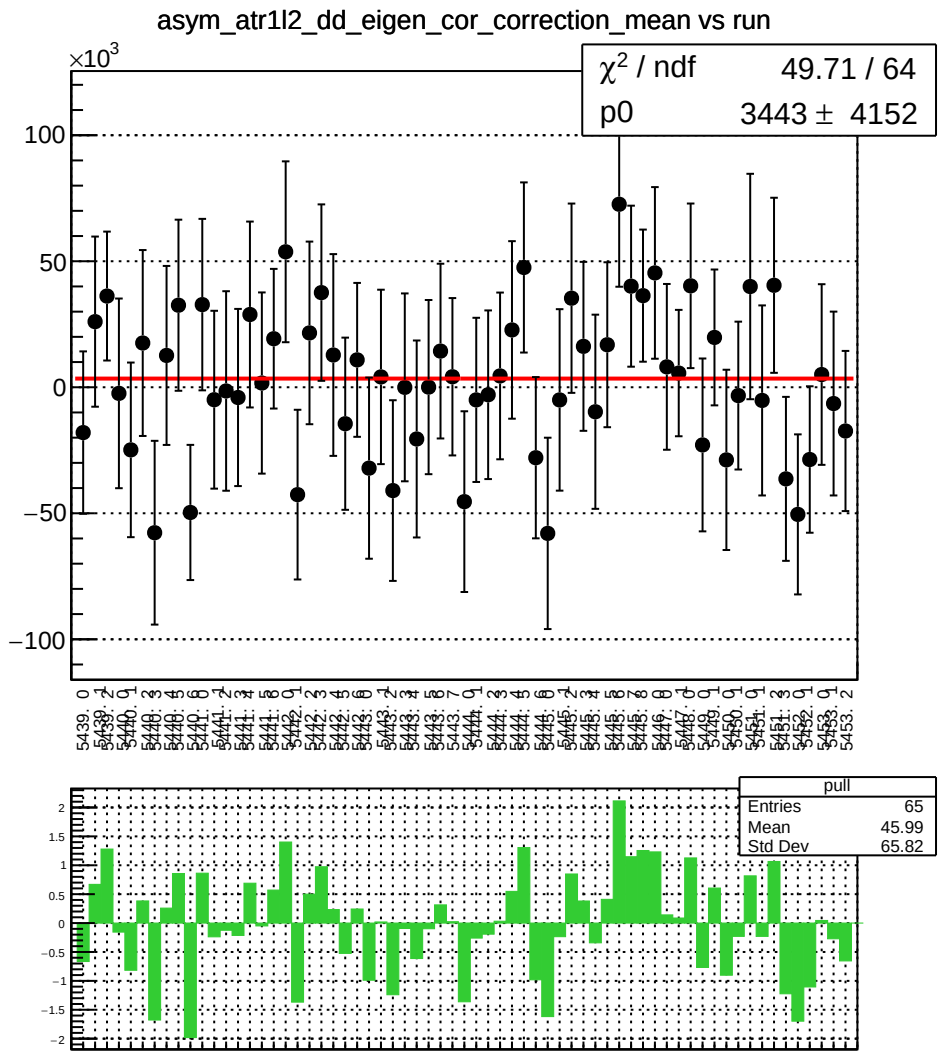

pull1D
Entries 65
Mean −0.007209
Std Dev 0.8745
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

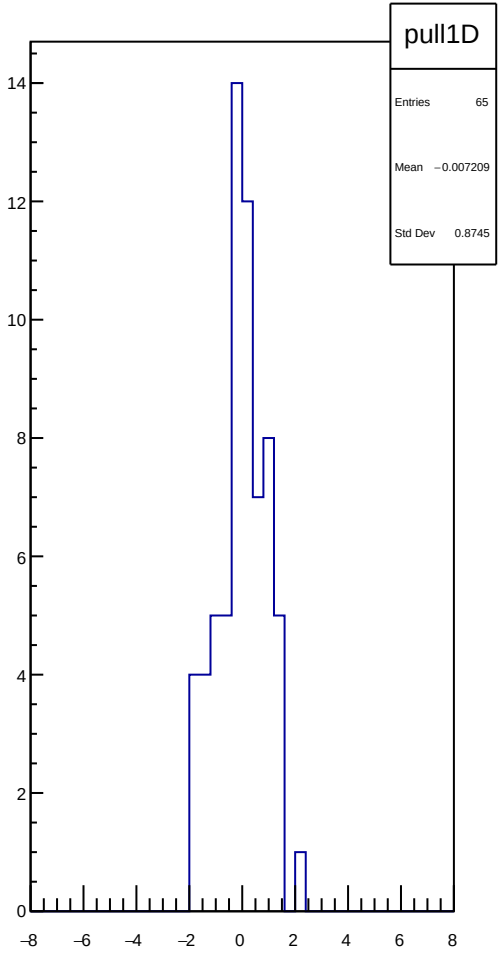

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 6094 / 64
p0 3359 ± 2.936
4400
4200
4000
3800
3600
3400
3200
3000

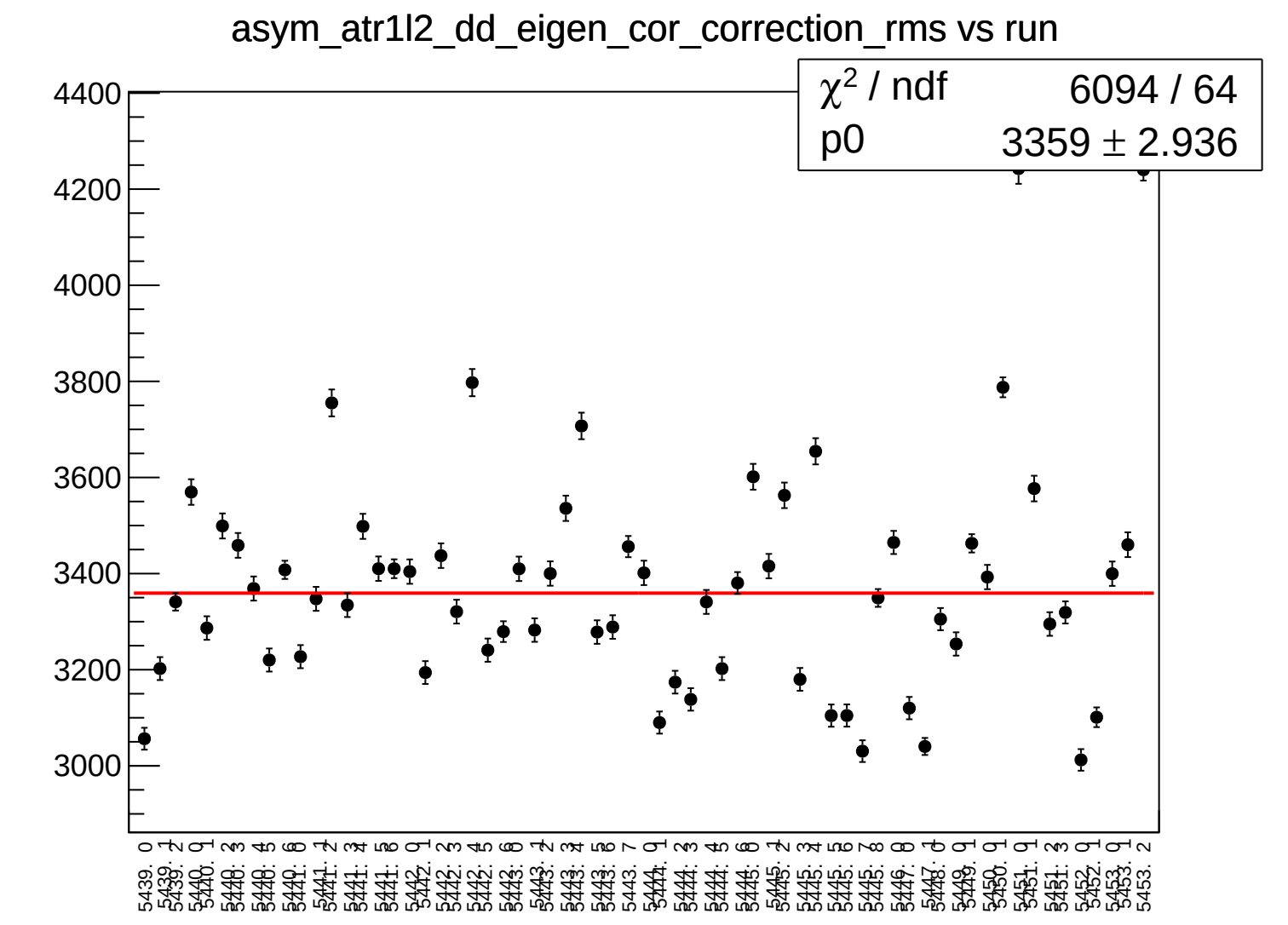

eigen_cor_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 77.28 / 64
p0 1.089e+04 ± 7093
pull
Entries 65
Mean 69.97
Std Dev 23.82

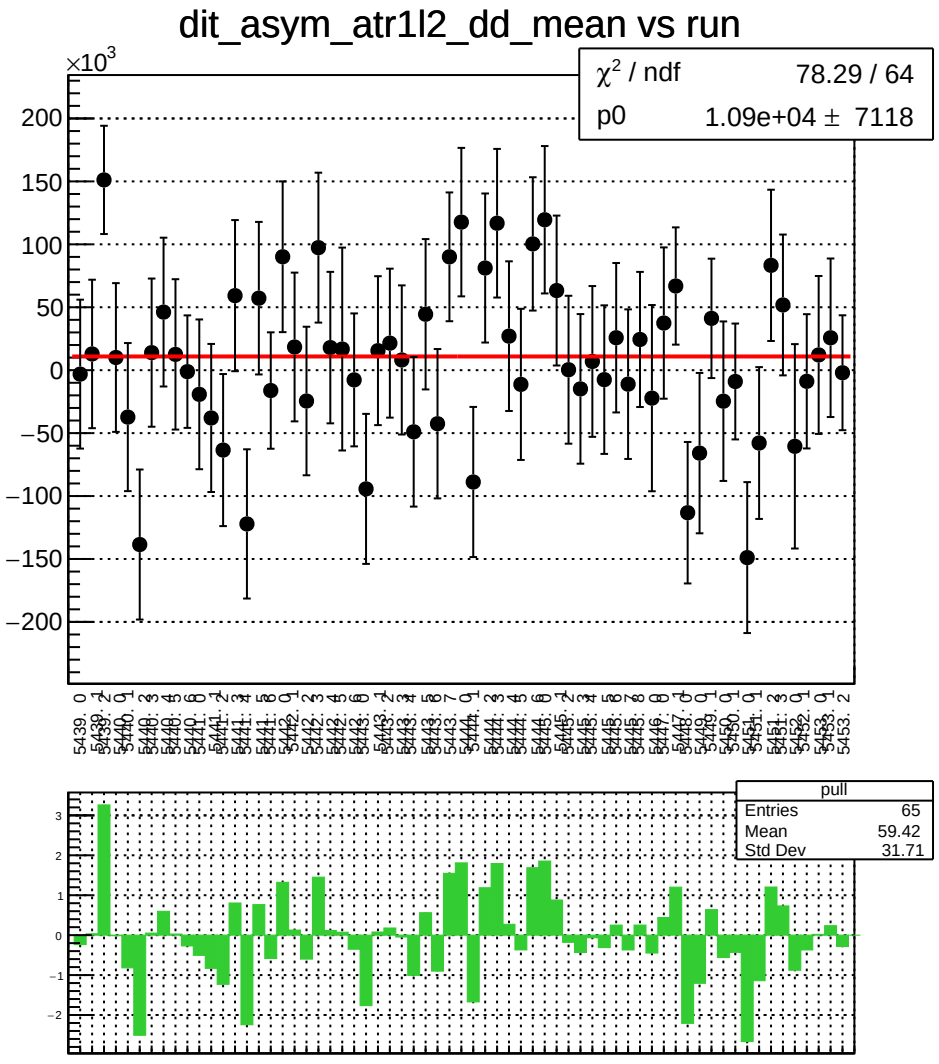

pull1D
Entries 65
Mean −0.02808
Std Dev 1.09

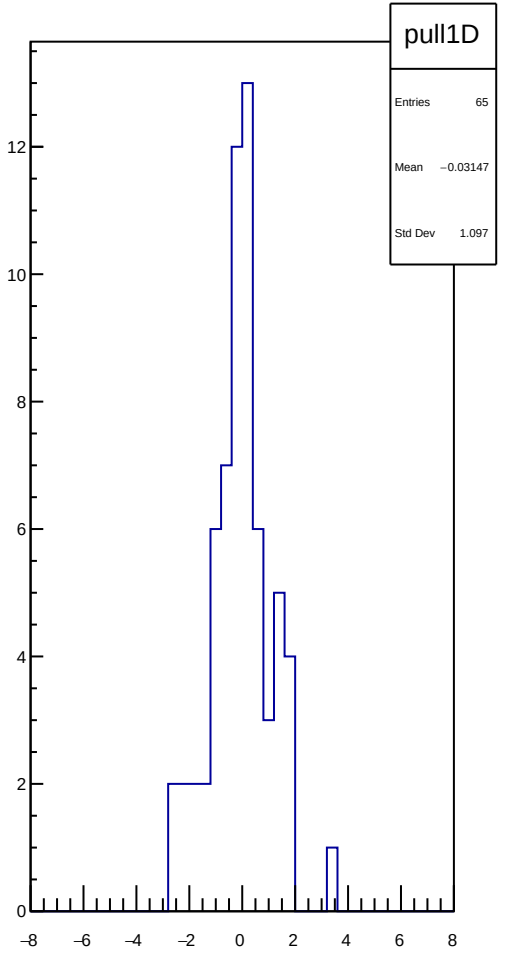

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 4928 / 64
p0 5742 ± 5.015
7500
7000
6500
6000
5500

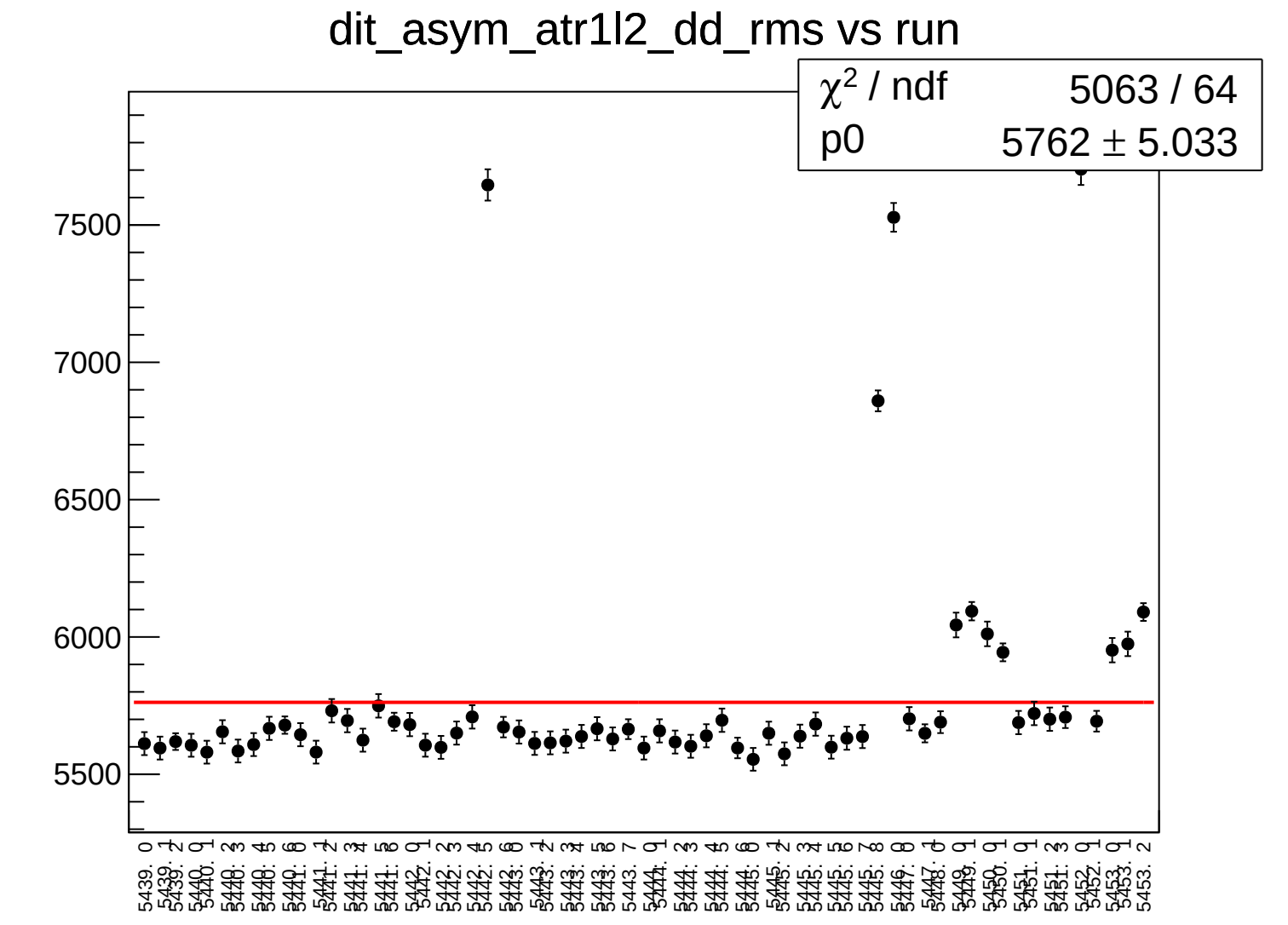

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.71 / 64
p0 3443 ± 4152
100
50
0
−50
−100
pull
Entries 65
Mean 45.99
Std Dev 65.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

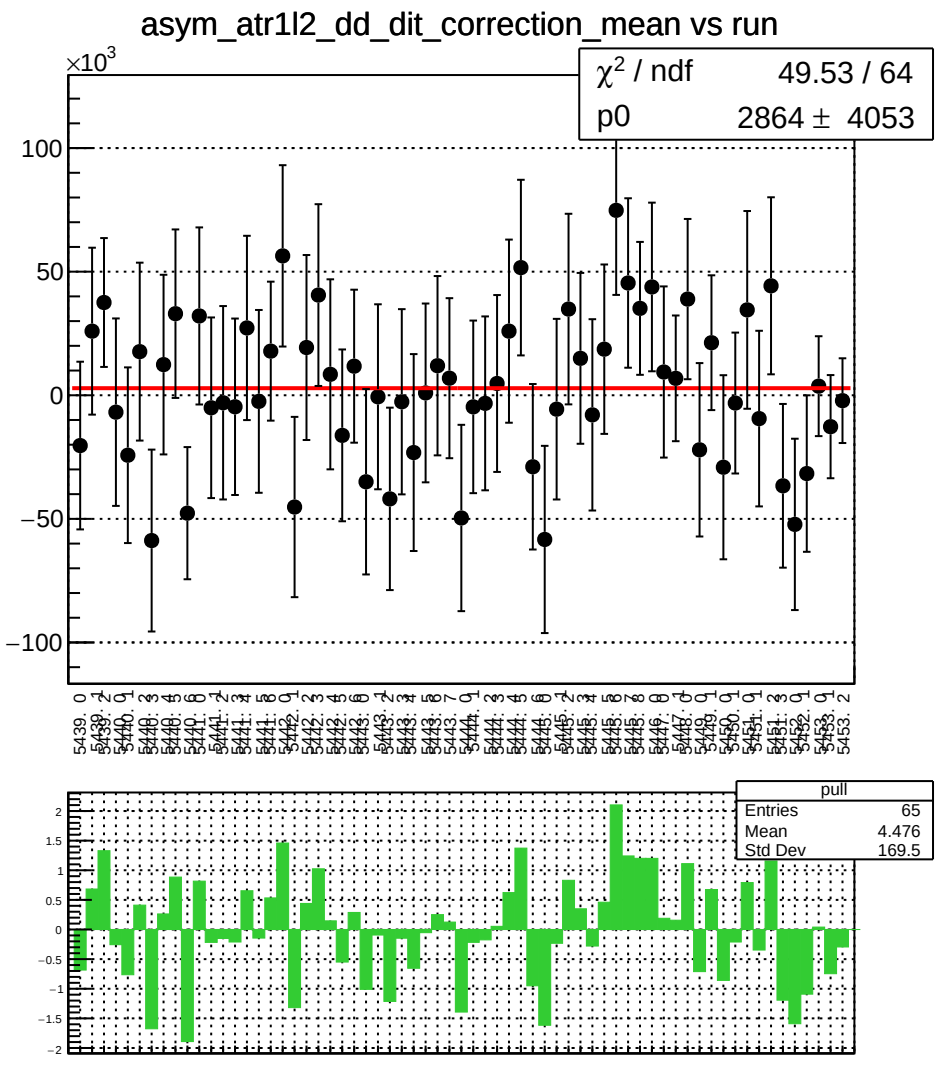

pull1D
Entries 65
Mean −0.007209
Std Dev 0.8745
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

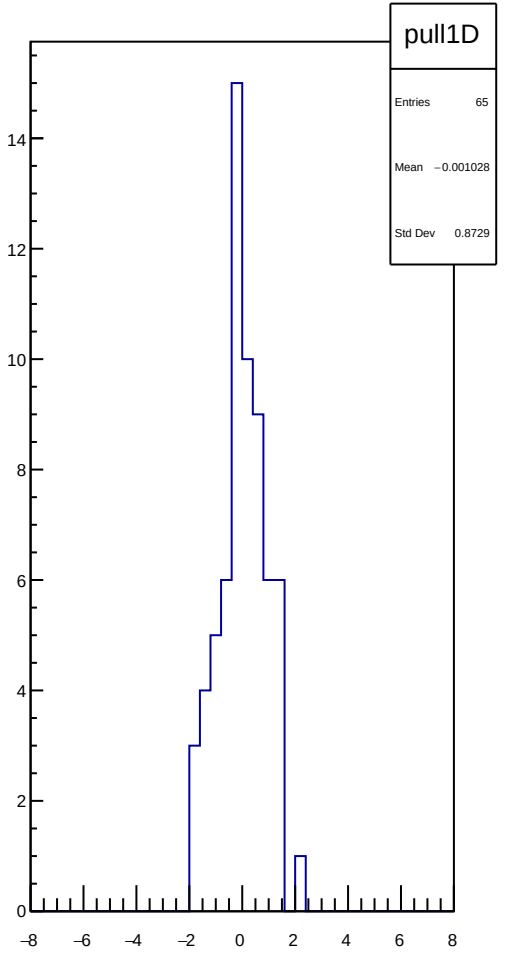

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 6094 / 64
p0 3359 ± 2.936
4400
4200
4000
3800
3600
3400
3200
3000

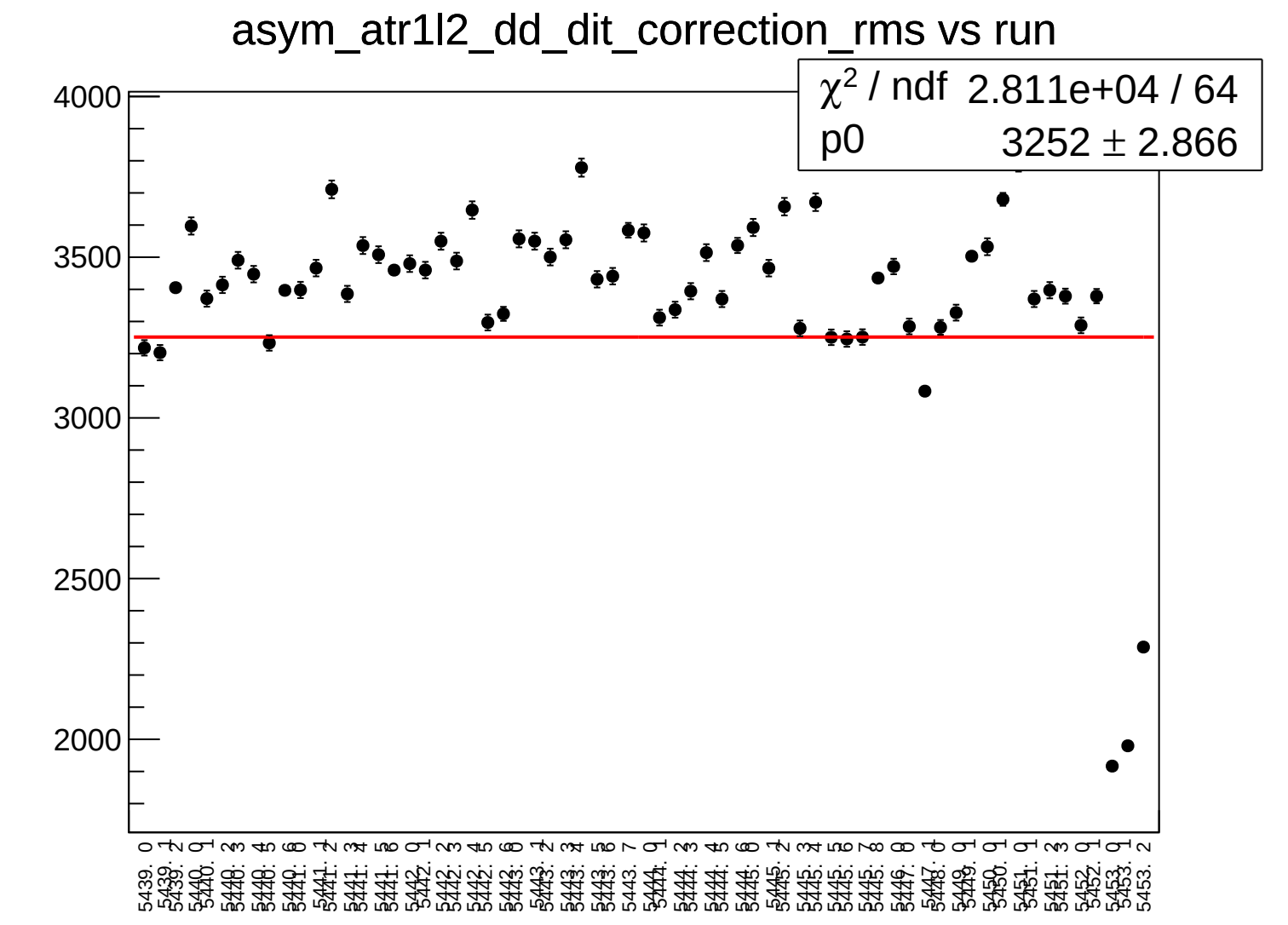

dit_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 78.29 / 64
p0 1.09e+04 ± 7118
pull
Entries 65
Mean 59.42
Std Dev 31.71

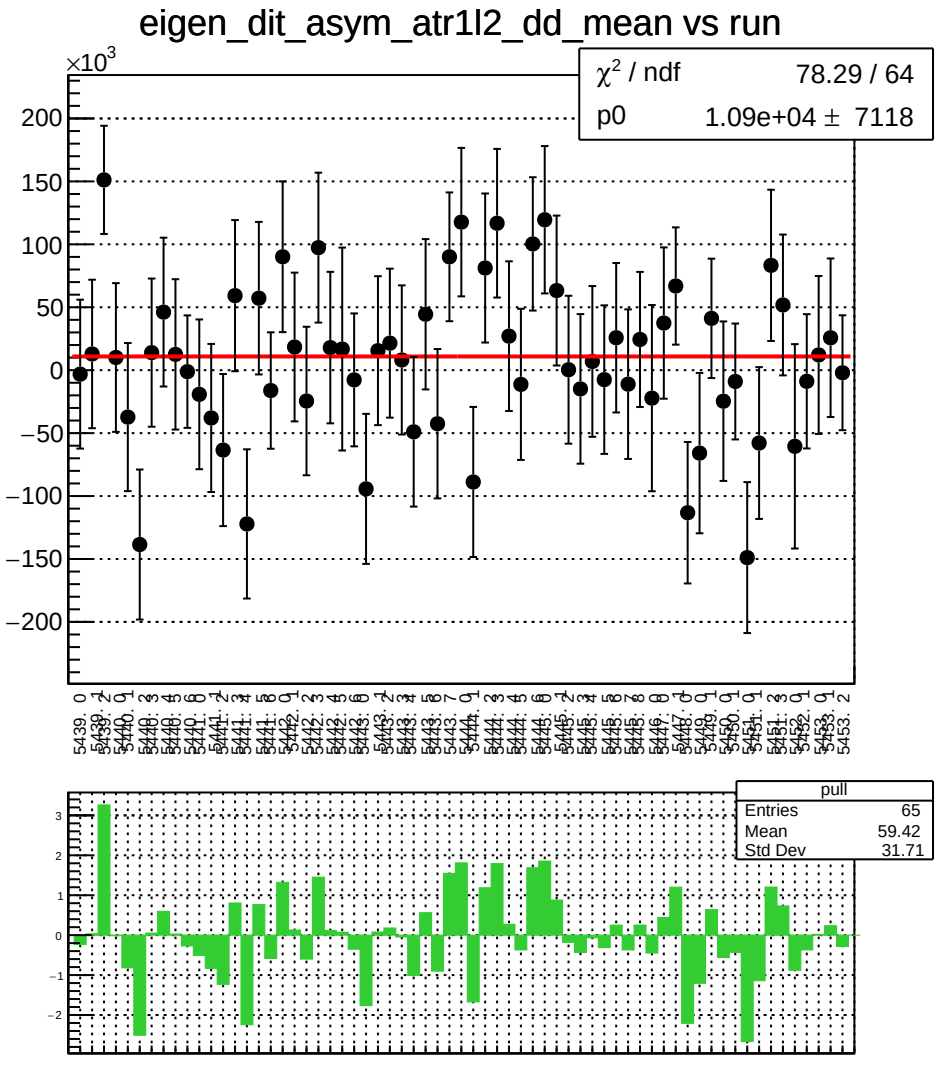

pull1D
Entries 65
Mean −0.03147
Std Dev 1.097

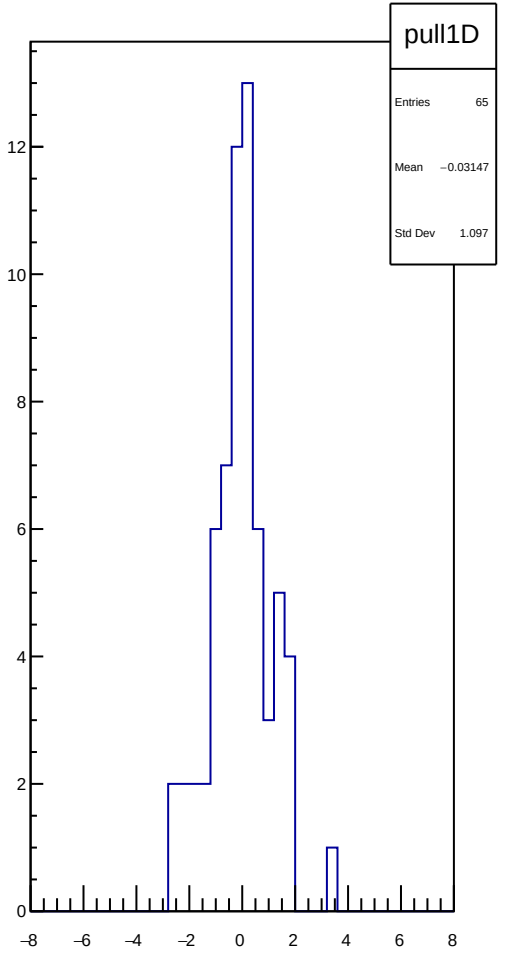

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 5063 / 64
p0 5762 ± 5.033
7500
7000
6500
6000
5500

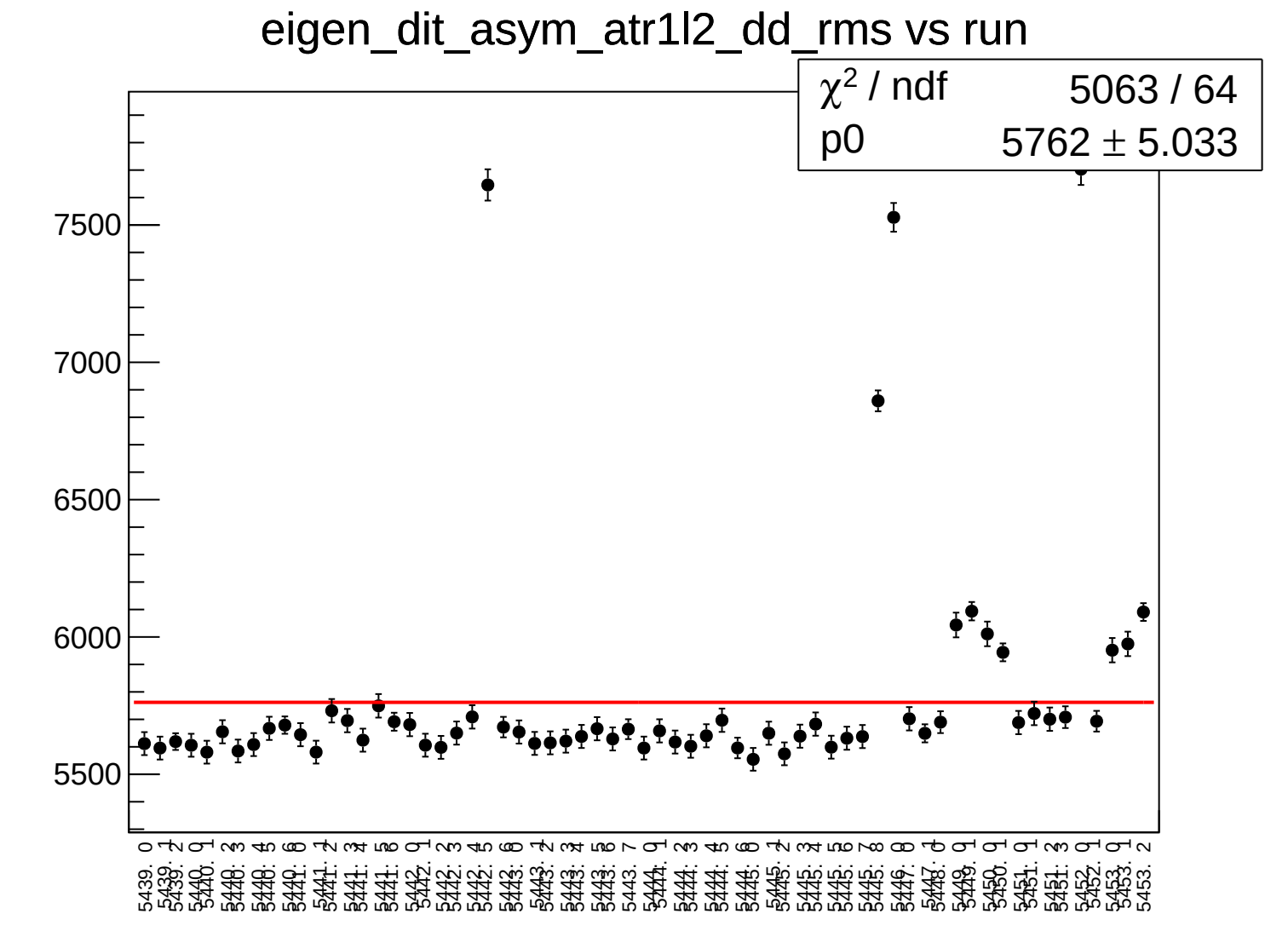

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 49.53 / 64
p0 2864 ± 4053
100
50
0
−50
−100
pull
Entries 65
Mean 4.476
Std Dev 169.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

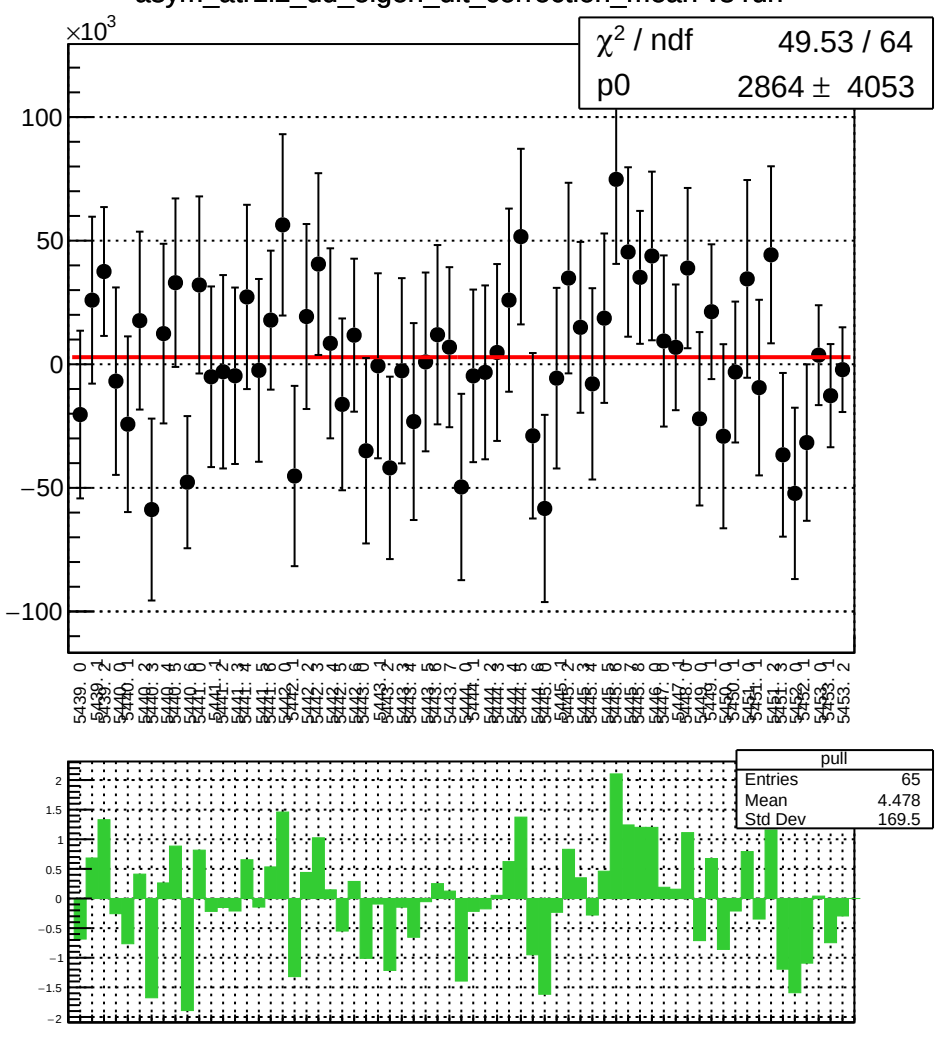

pull1D
Entries 65
Mean −0.001028
Std Dev 0.8729
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

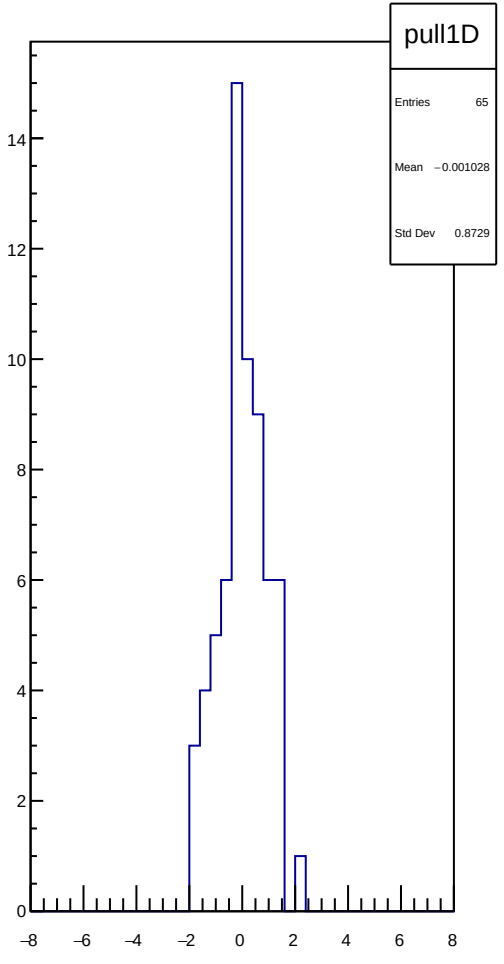

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 2.811e+04 / 64
p0 3252 ± 2.866
4000
3500
3000
2500
2000

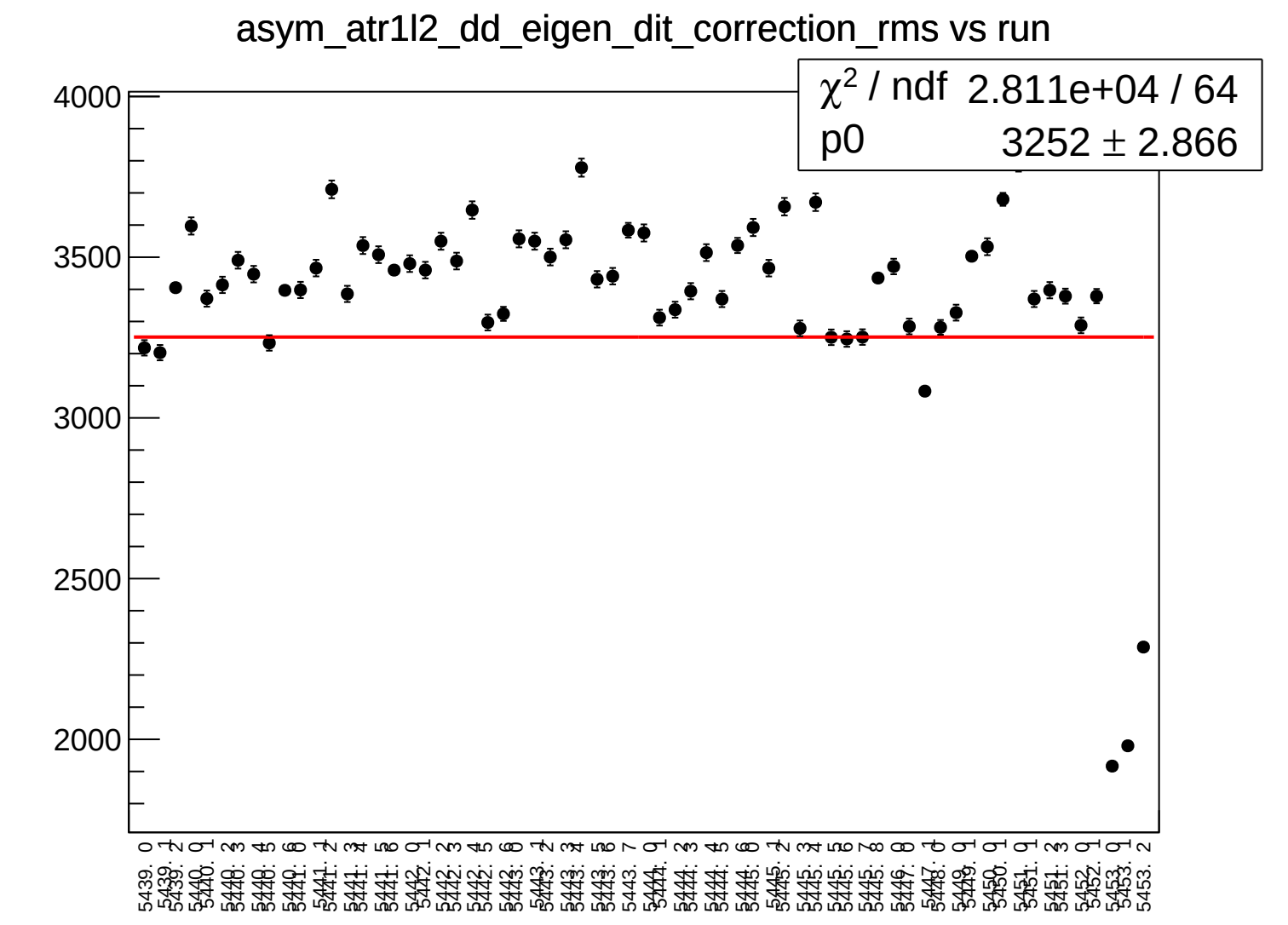

eigen_dit_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 78.29 / 64
p0 1.09e+04 ± 7118
pull
Entries 65
Mean 59.42
Std Dev 31.71

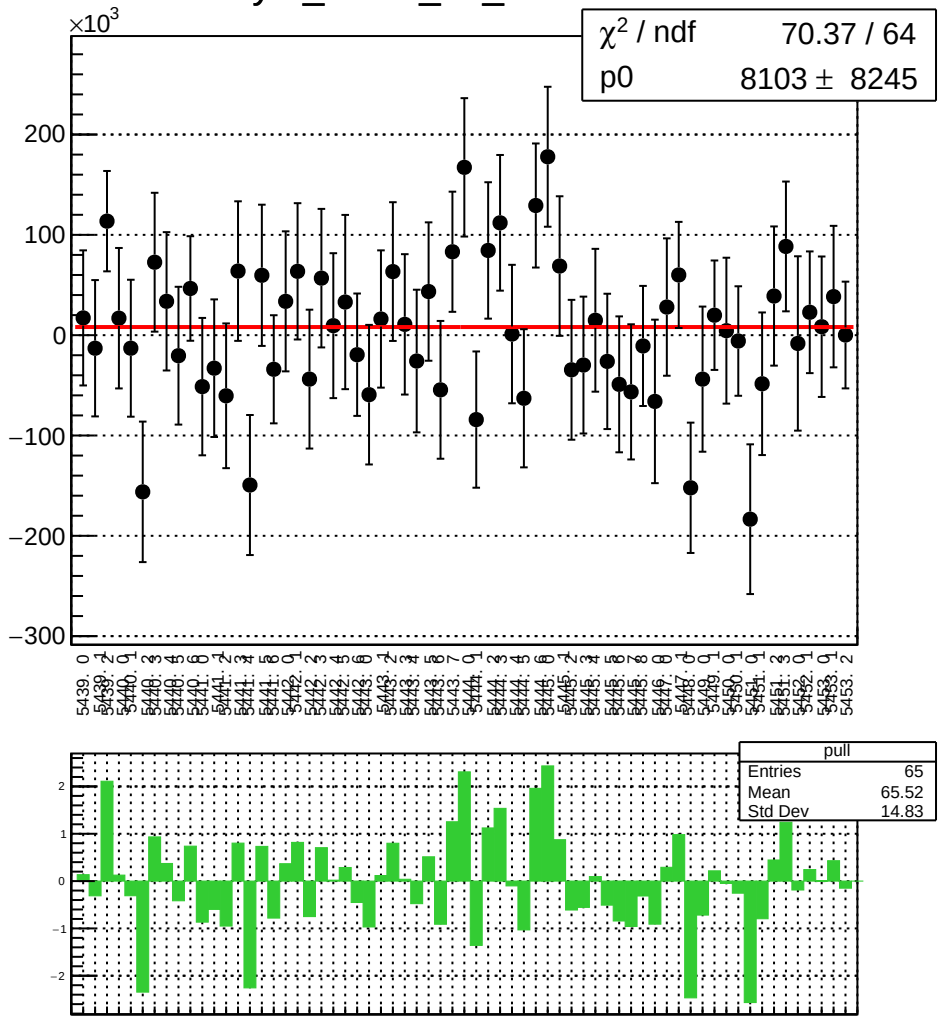

pull1D
Entries 65
Mean −0.03147
Std Dev 1.097

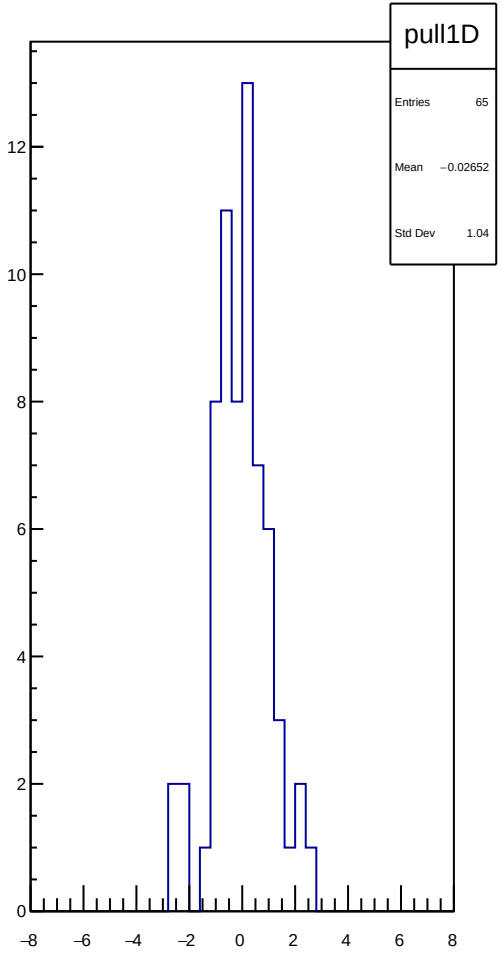

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 5063 / 64
p0 5762 ± 5.033
7500
7000
6500
6000
5500

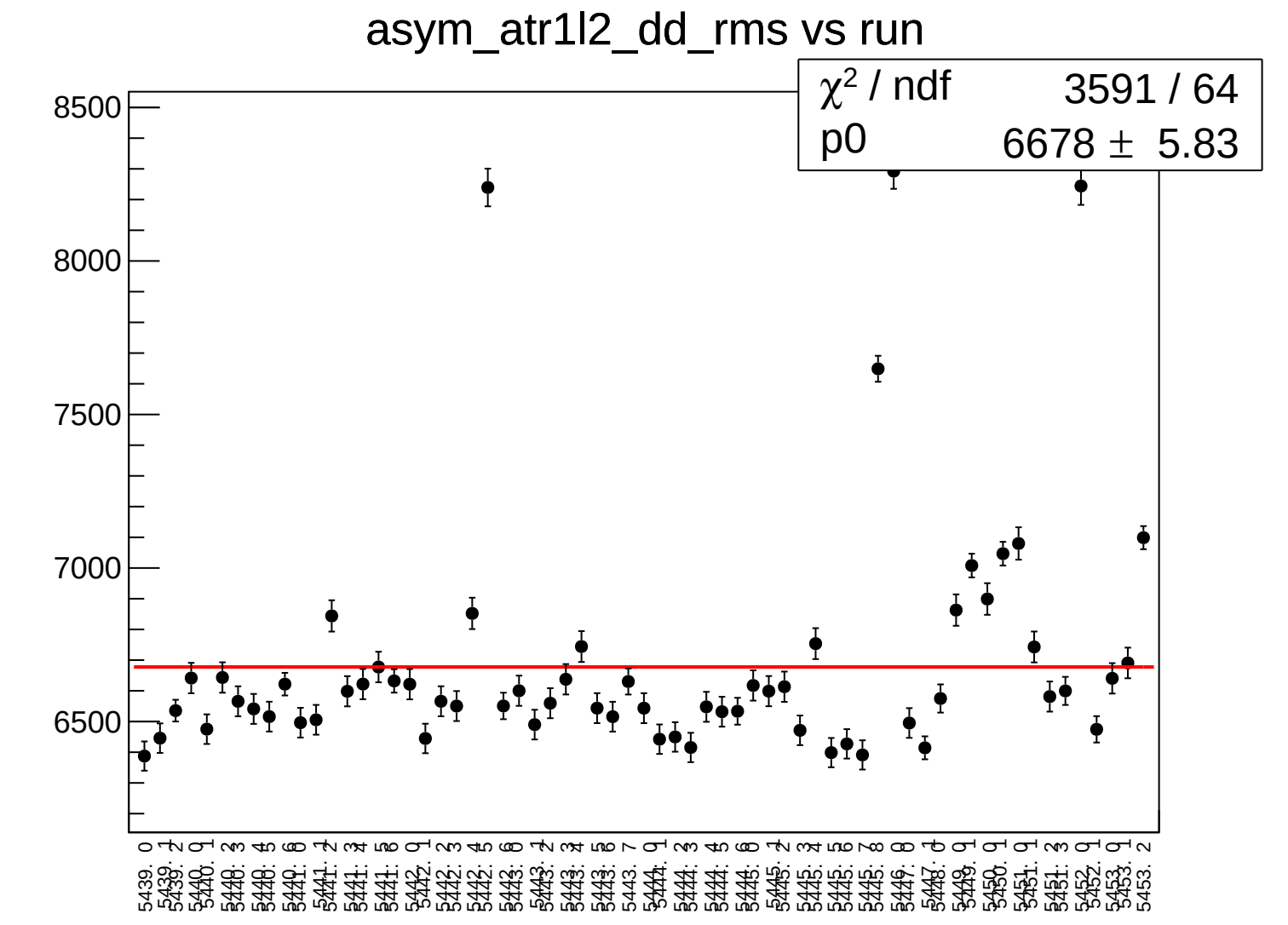

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.53 / 64
p0 2864 ± 4053
100
50
0
−50
−100
pull
Entries 65
Mean 4.478
Std Dev 169.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

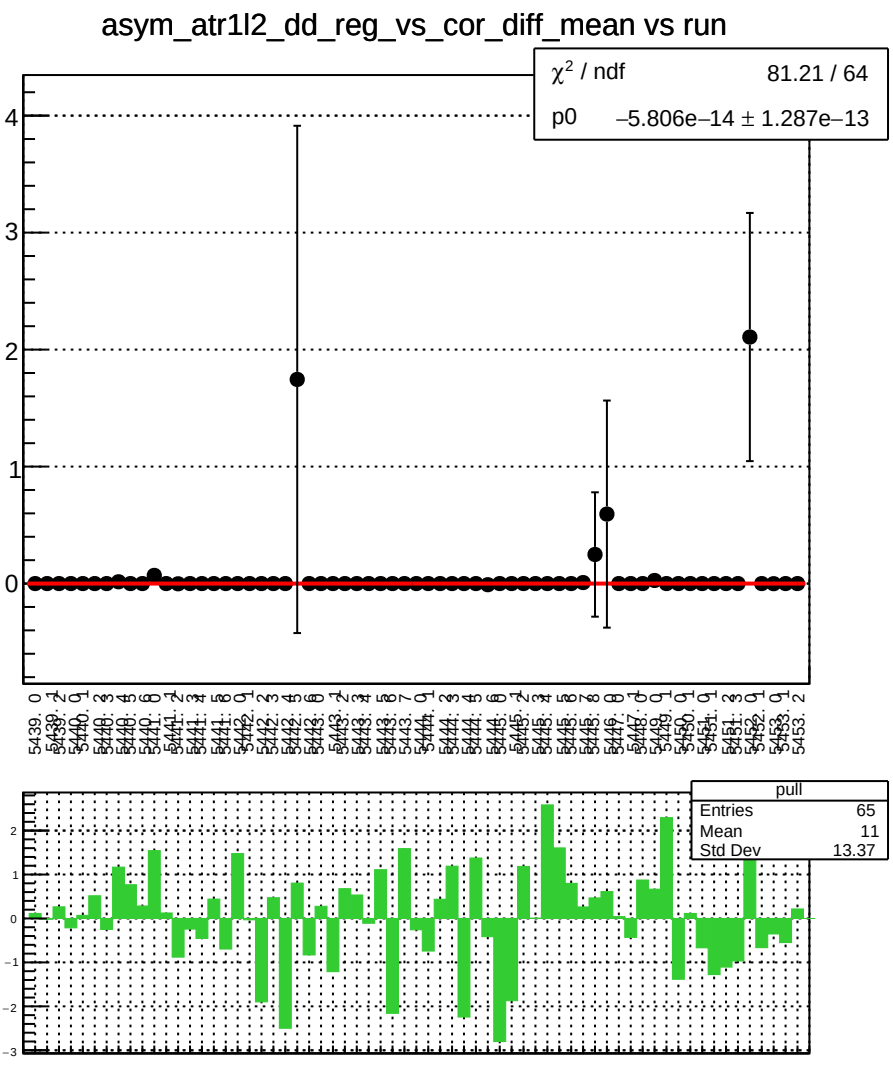

pull1D
Entries 65
Mean −0.001028
Std Dev 0.8729
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

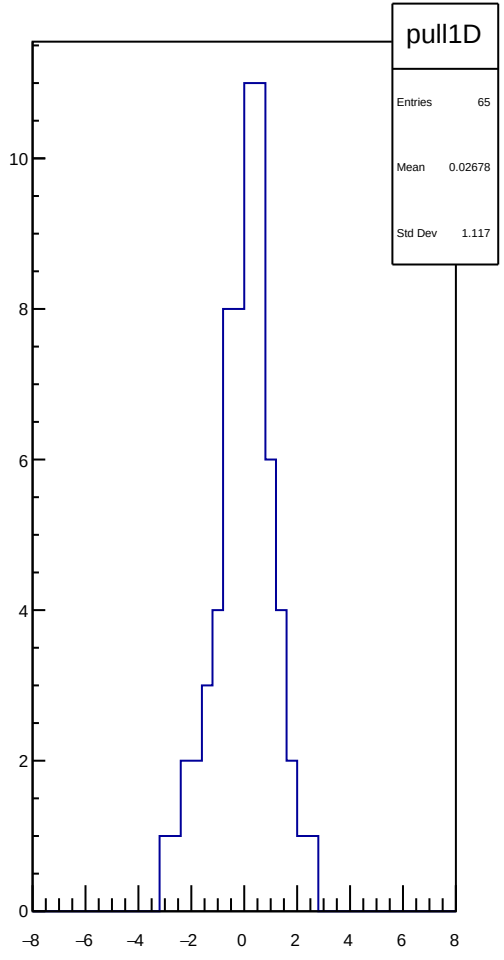

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.811e+04 / 64
p0 3252 ± 2.866
4000
3500
3000
2500
2000

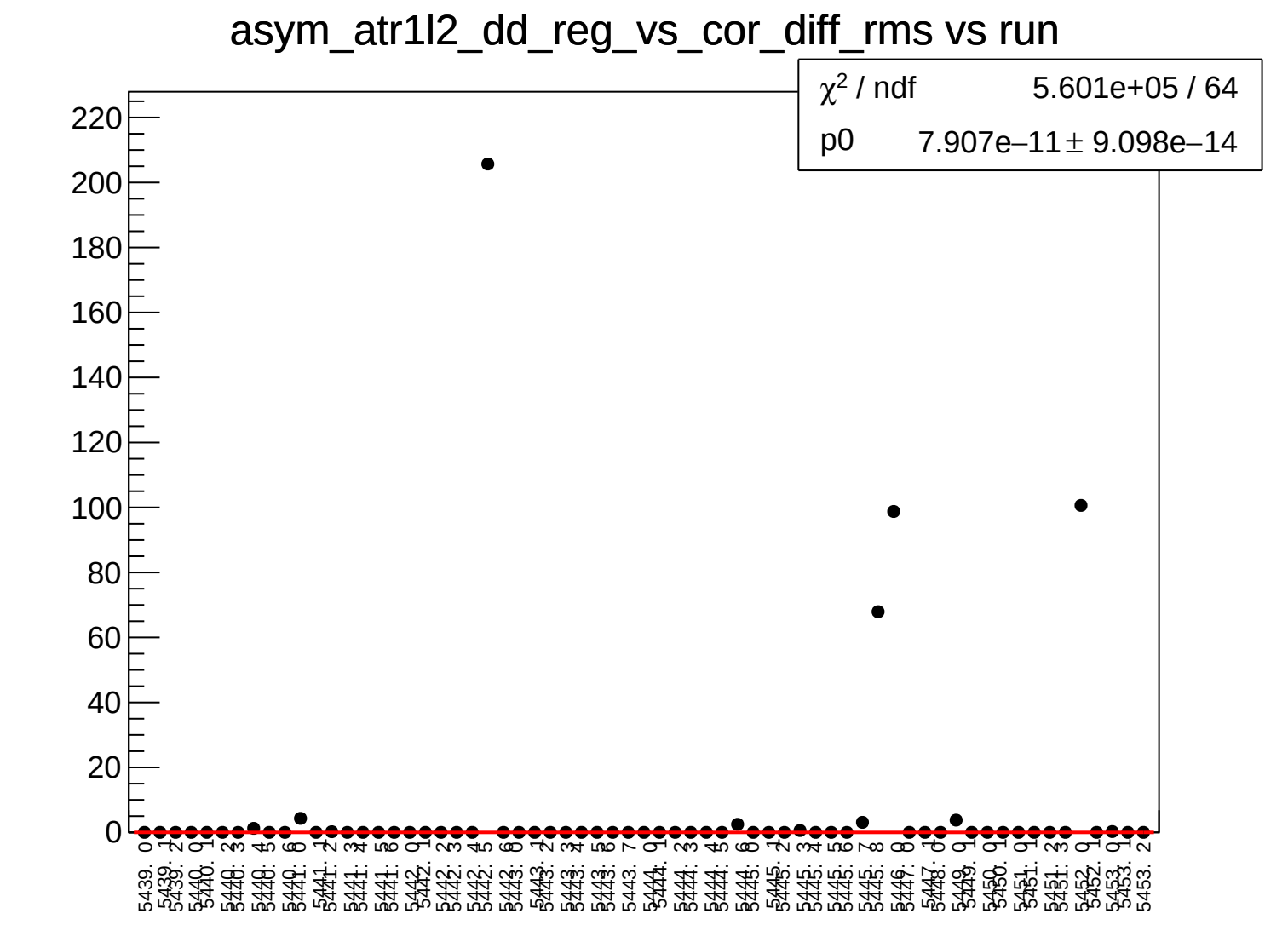

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 70.37 / 64
p0 8103 ± 8245
200
100
0
−100
−200
−300
pull
Entries 65
Mean 65.52
Std Dev 14.83
2
1
0
−1
−2

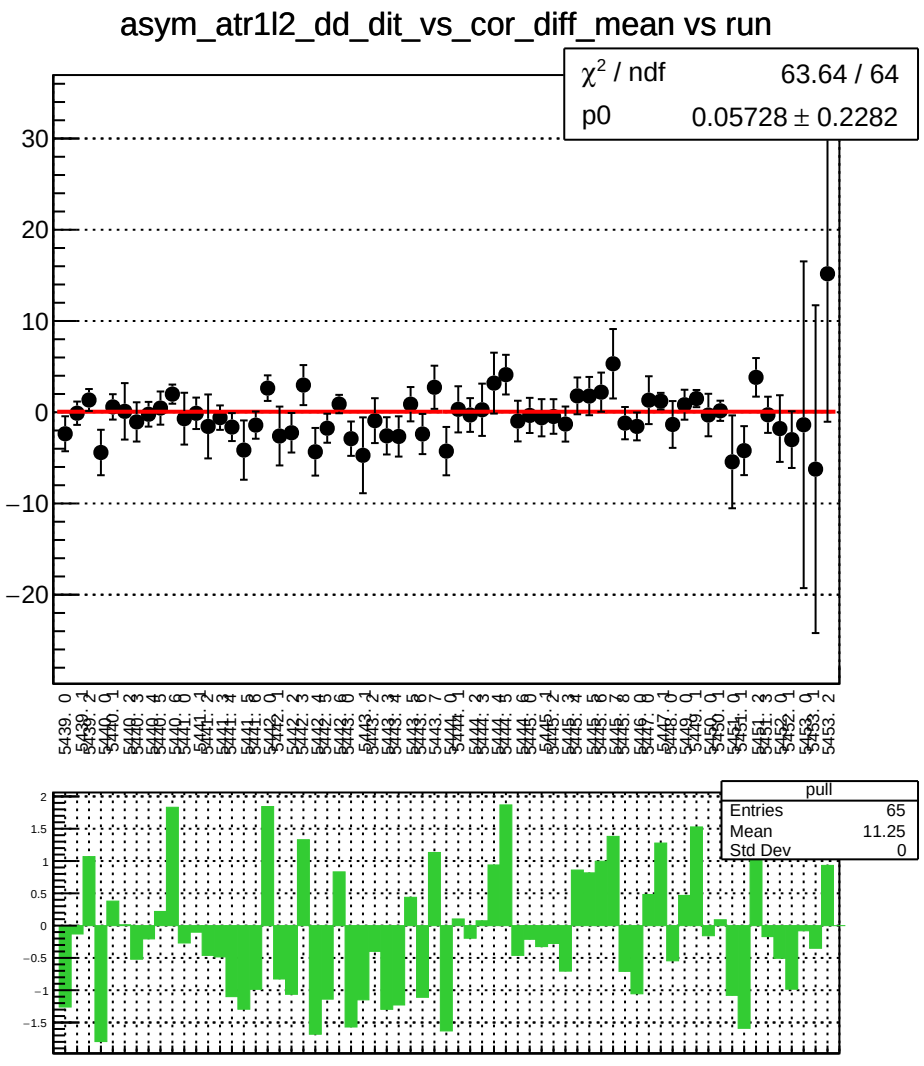

pull1D
Entries 65
Mean −0.02652
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

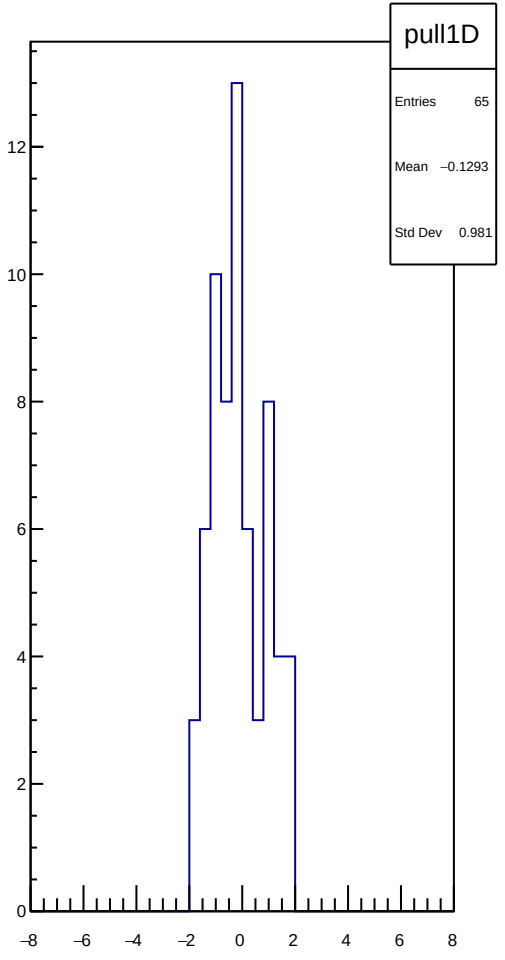

asym_atr1l2_dd_rms vs run
χ² / ndf 3591 / 64
p0 6678 ± 5.83
8500
8000
7500
7000
6500

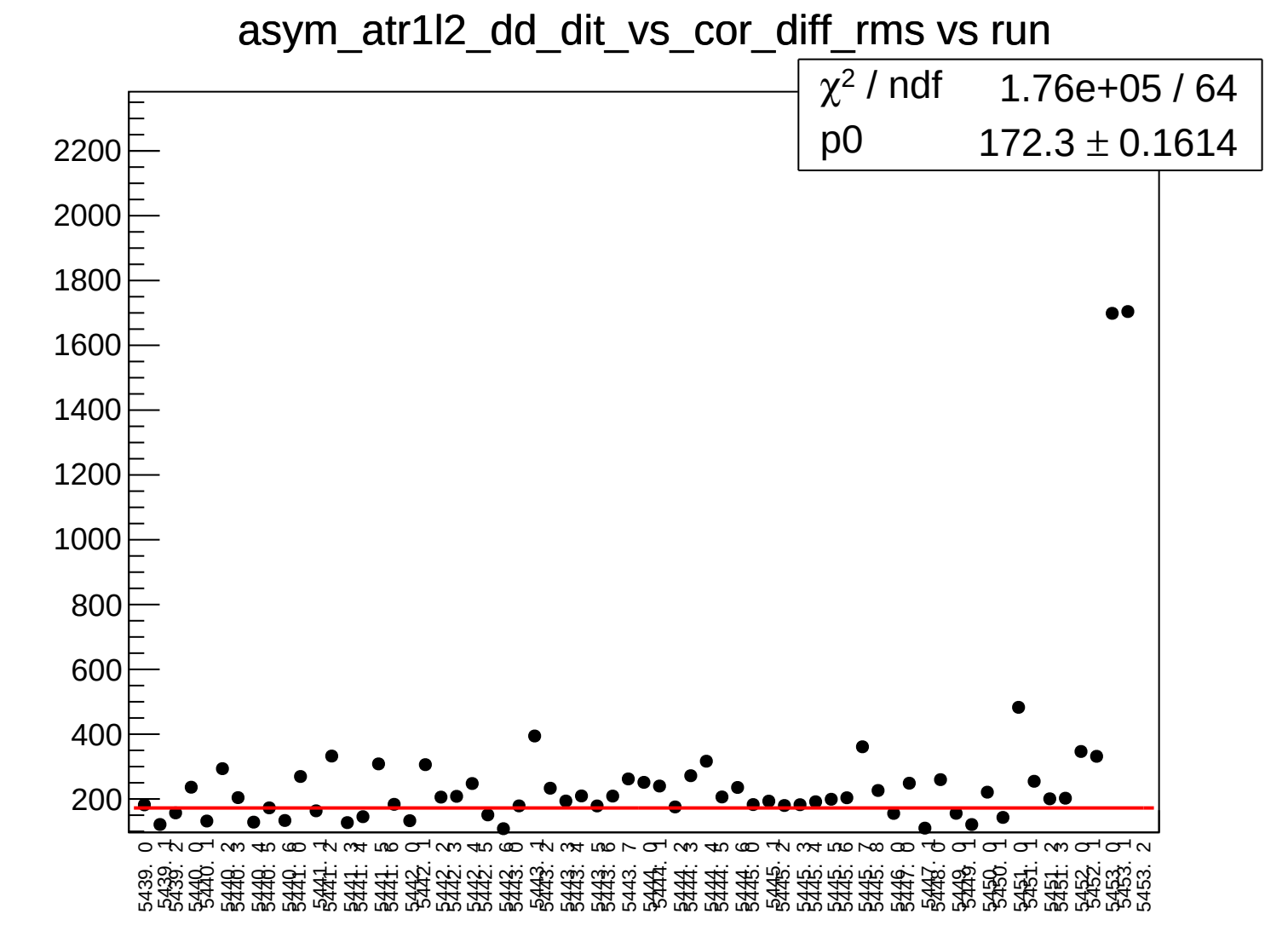

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.21 / 64
p0 −5.806e−14 ± 1.287e−13
pull
Entries 65
Mean 11
Std Dev 13.37

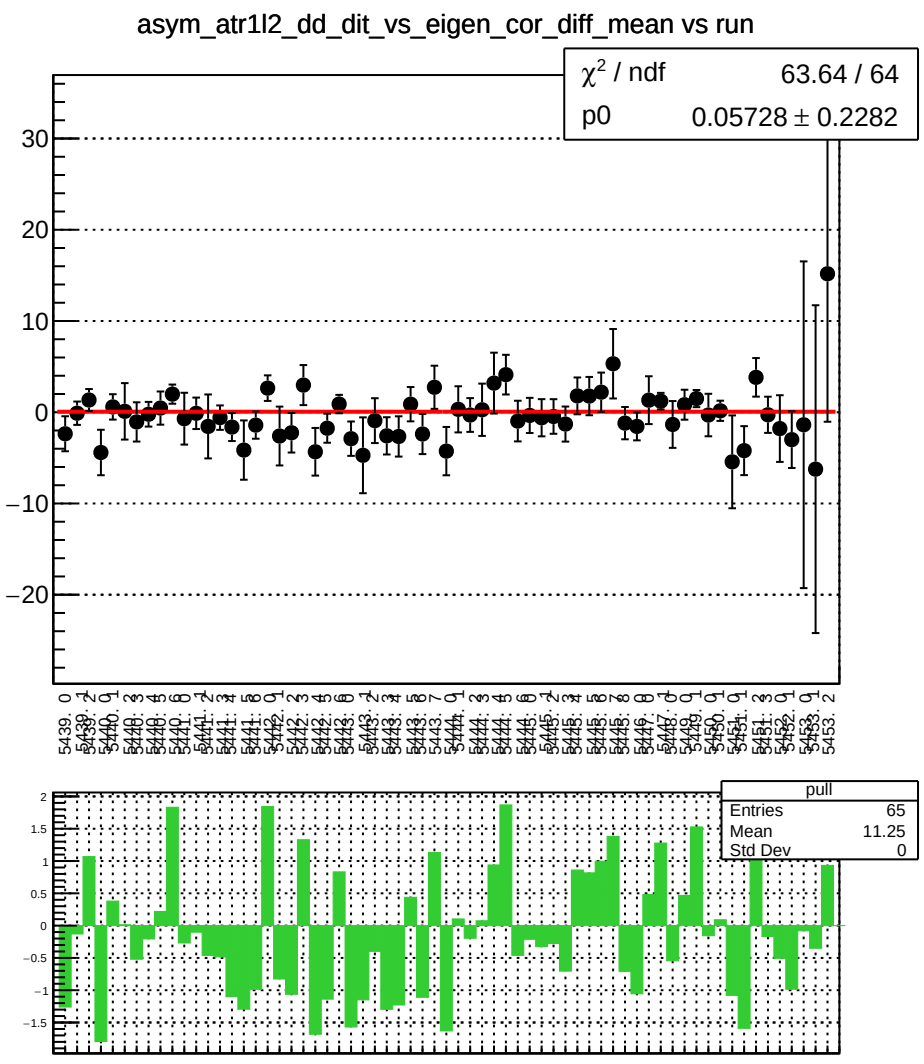

pull1D
Entries 65
Mean 0.02678
Std Dev 1.117

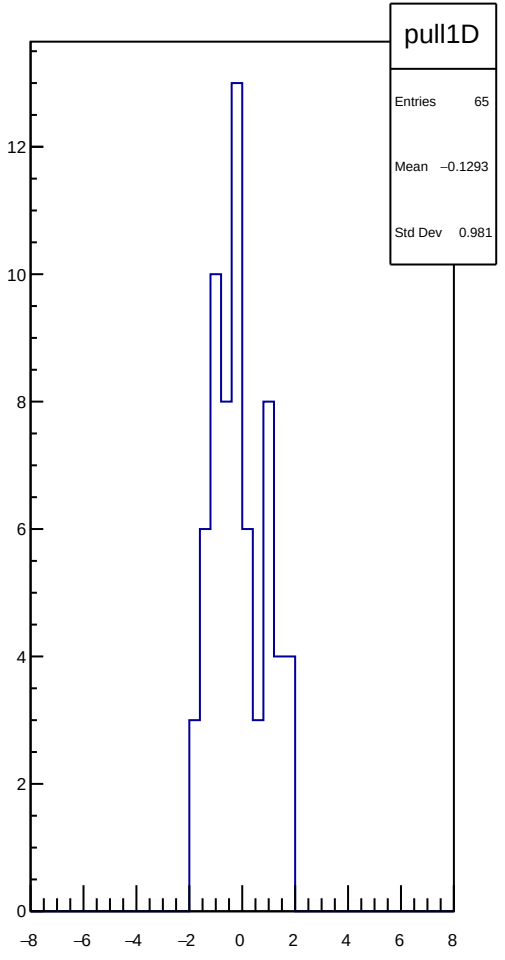

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.601e+05 / 64
p0 7.907e−11 ± 9.098e−14
220
200
180
160
140
120
100
80
60
40
20
0

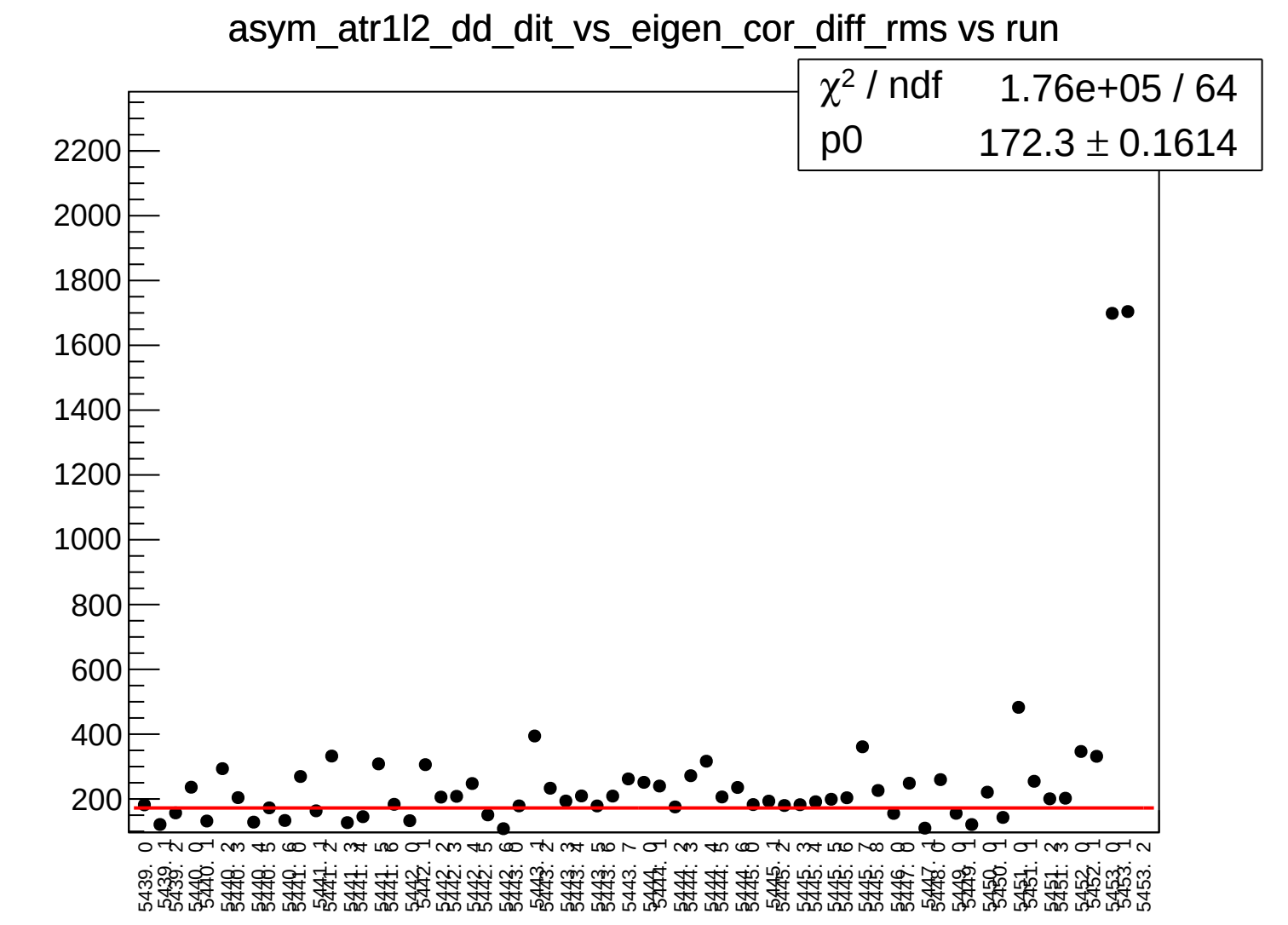

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.64 / 64
p0 0.05728 ± 0.2282
pull
Entries 65
Mean 11.25
Std Dev 0

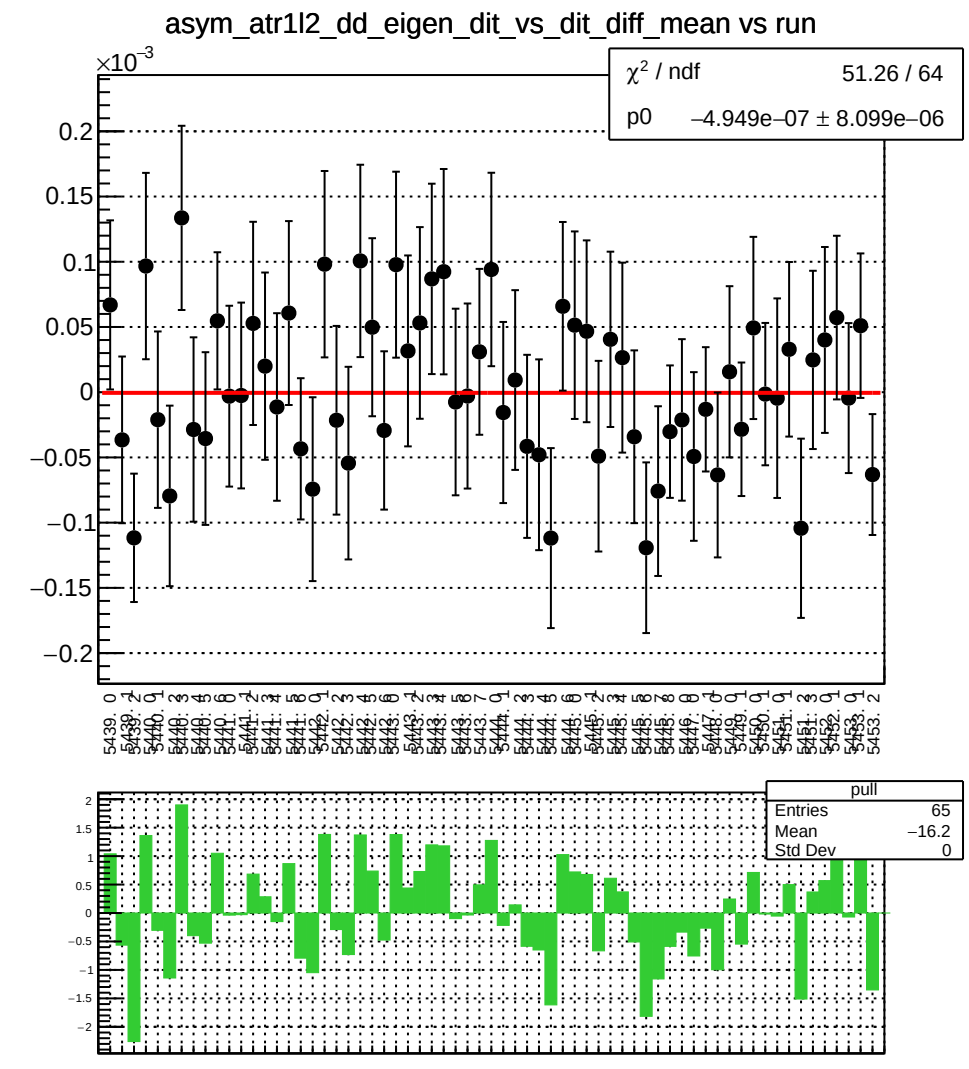

pull1D
Entries 65
Mean −0.1293
Std Dev 0.981

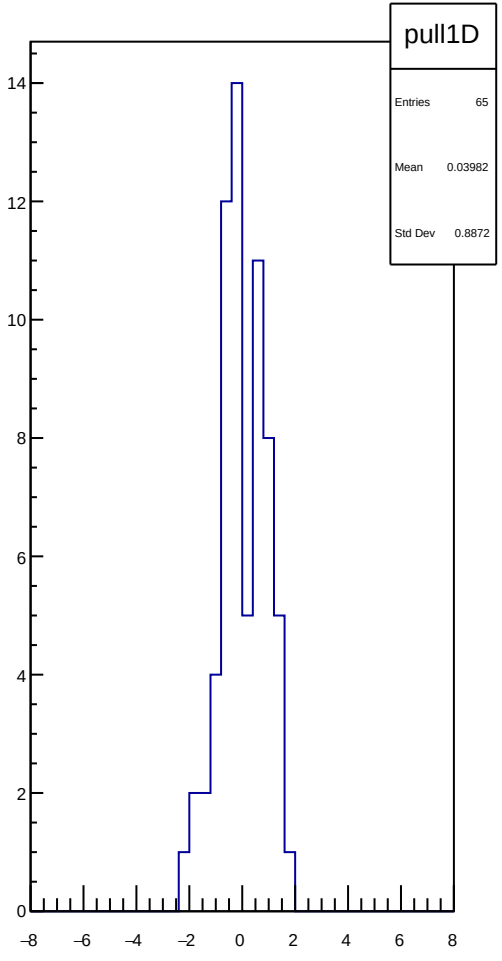

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.76e+05 / 64
p0 172.3 ± 0.1614
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

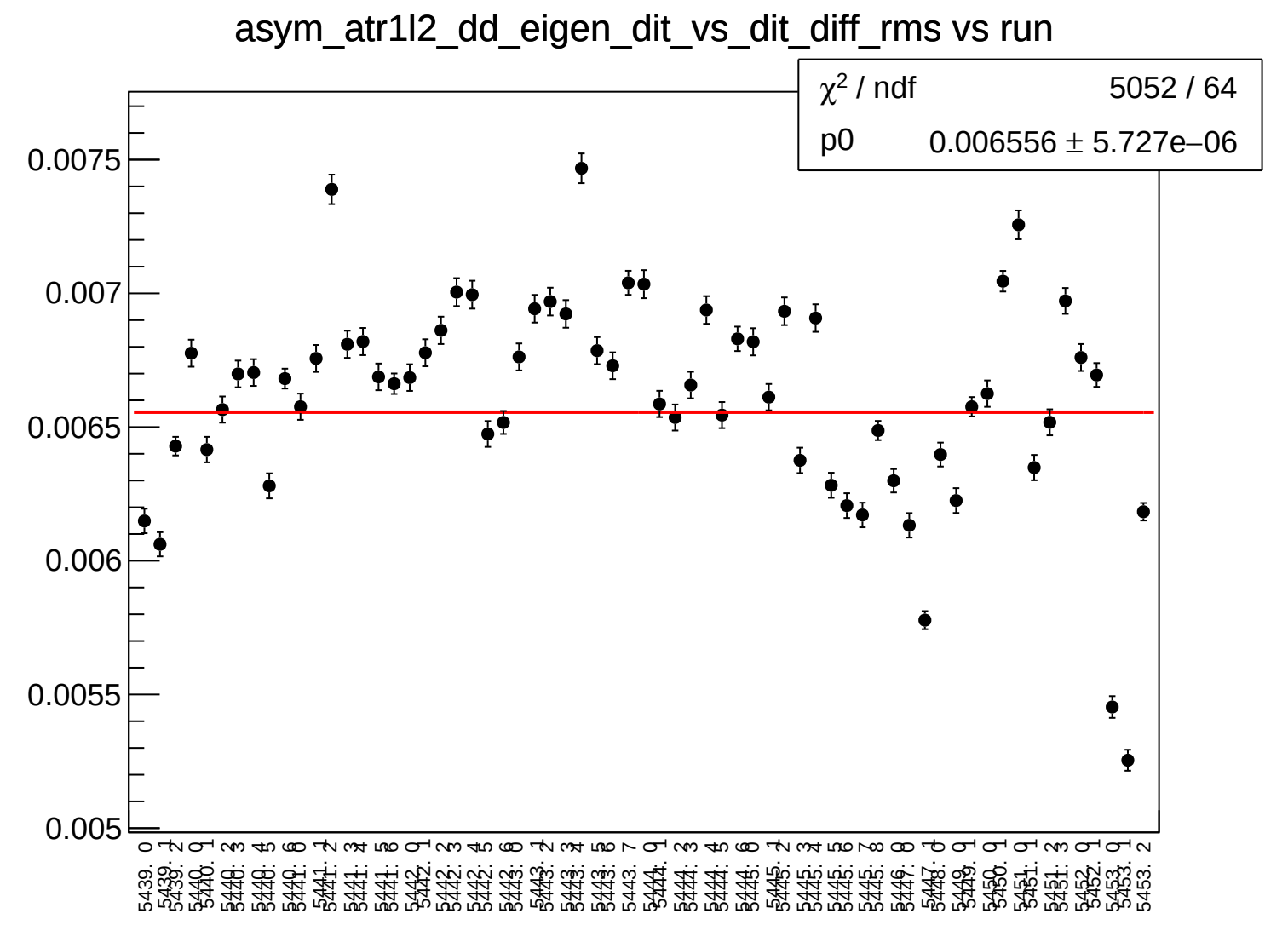

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.64 / 64
p0 0.05728 ± 0.2282
pull
Entries 65
Mean 11.25
Std Dev 0

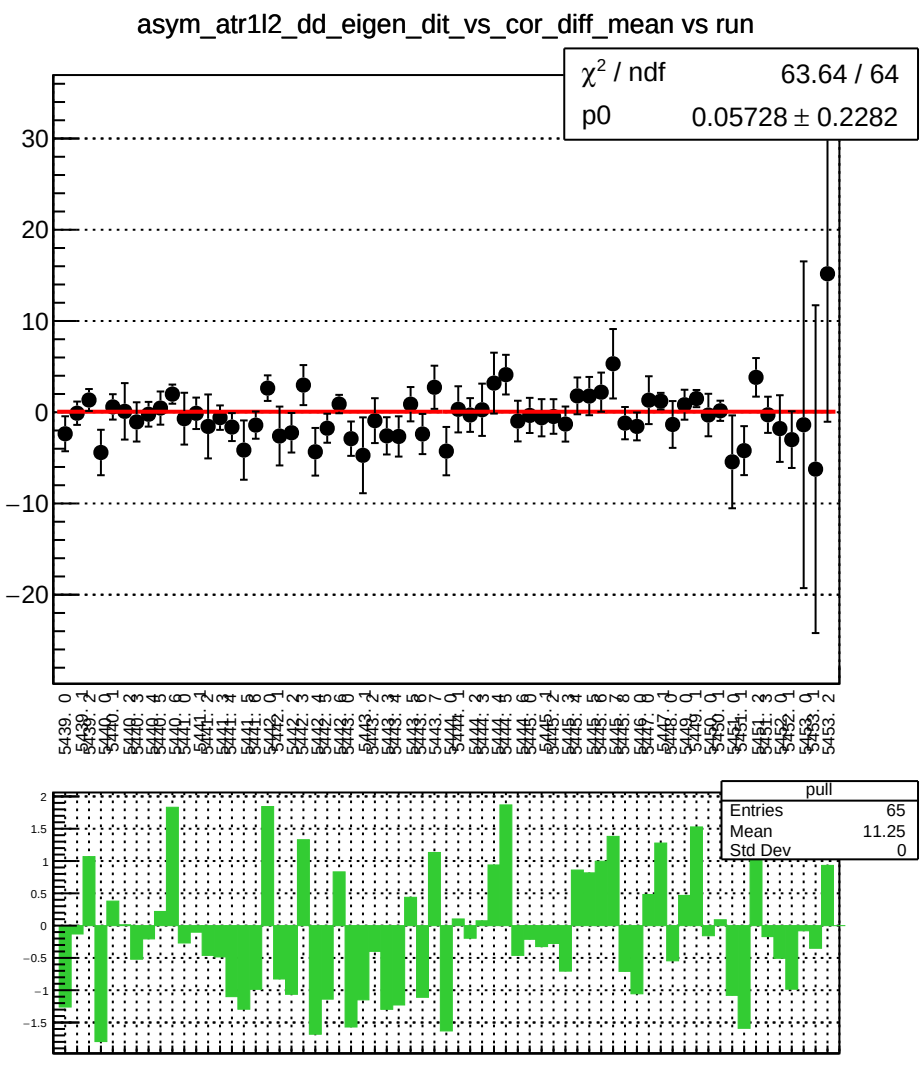

pull1D
Entries 65
Mean −0.1293
Std Dev 0.981

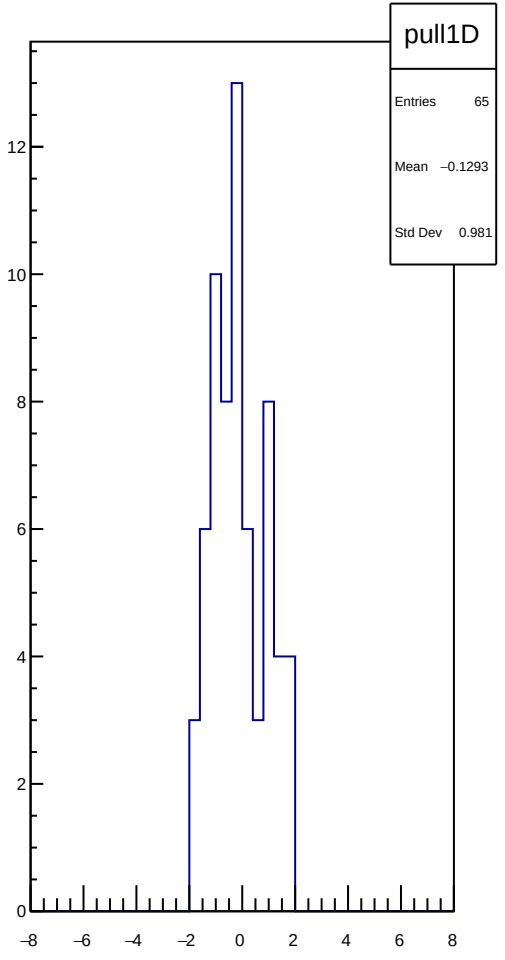

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.76e+05 / 64
p0 172.3 ± 0.1614
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

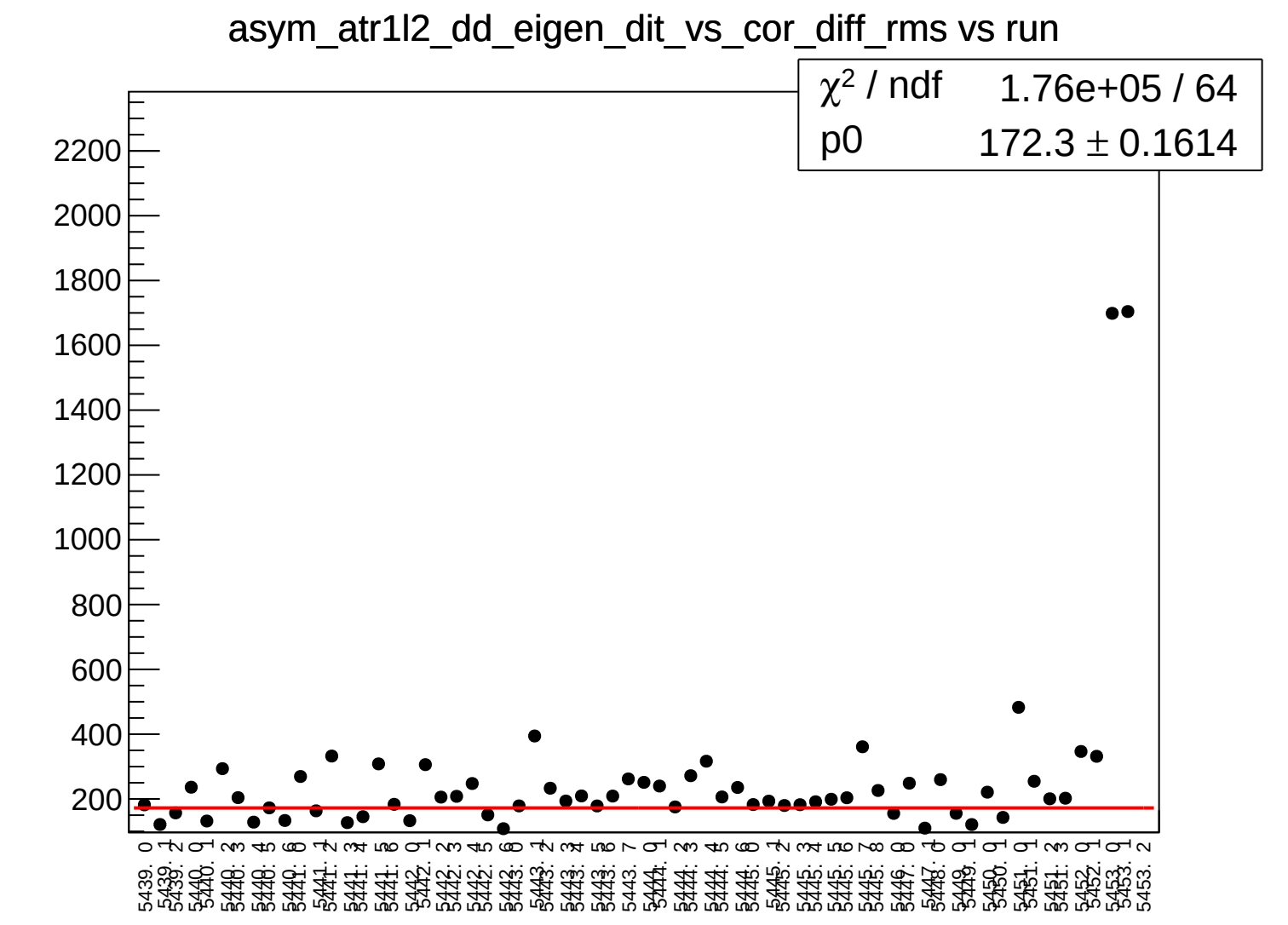

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.26 / 64
p0 −4.949e−07 ± 8.099e−06
pull
Entries 65
Mean −16.2
Std Dev 0

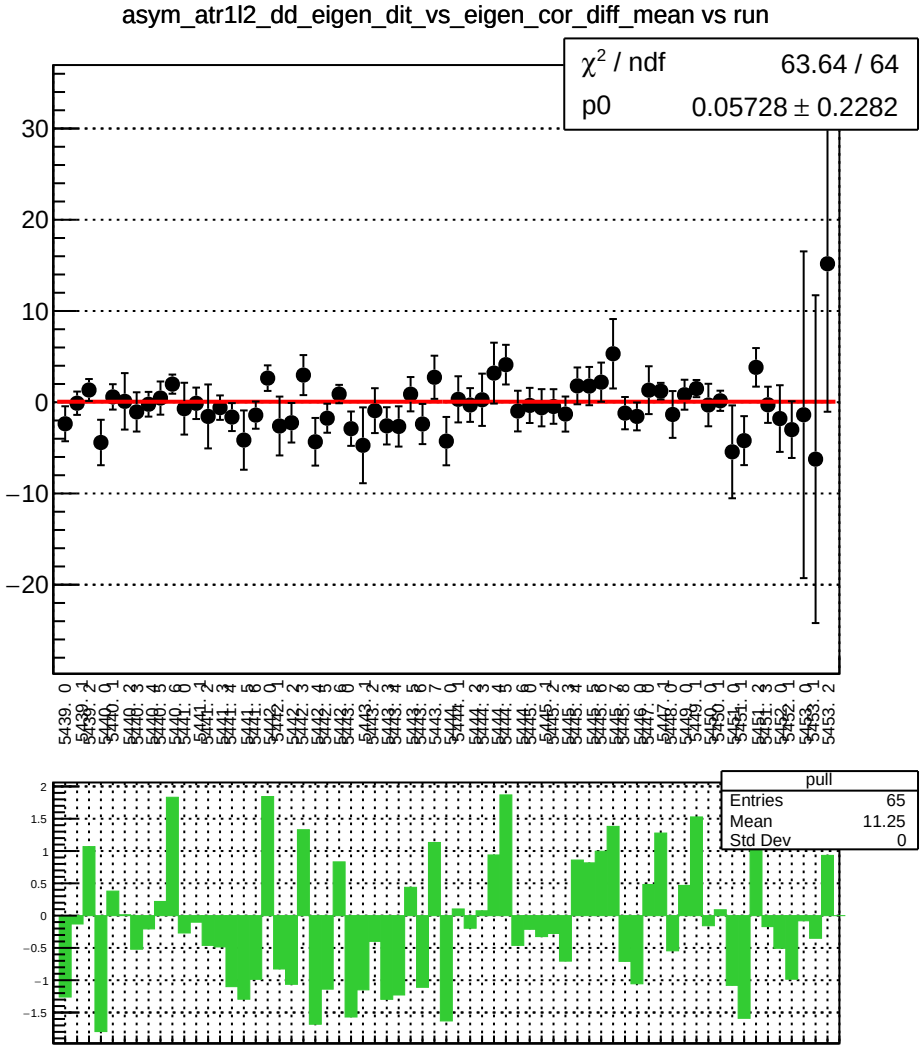

pull1D
Entries 65
Mean 0.03982
Std Dev 0.8872

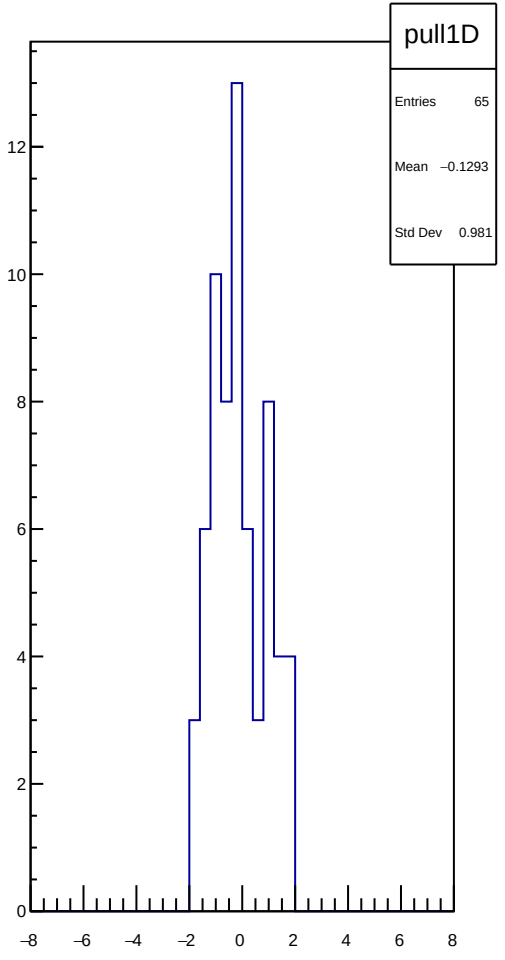

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5052 / 64
p0 0.006556 ± 5.727e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005

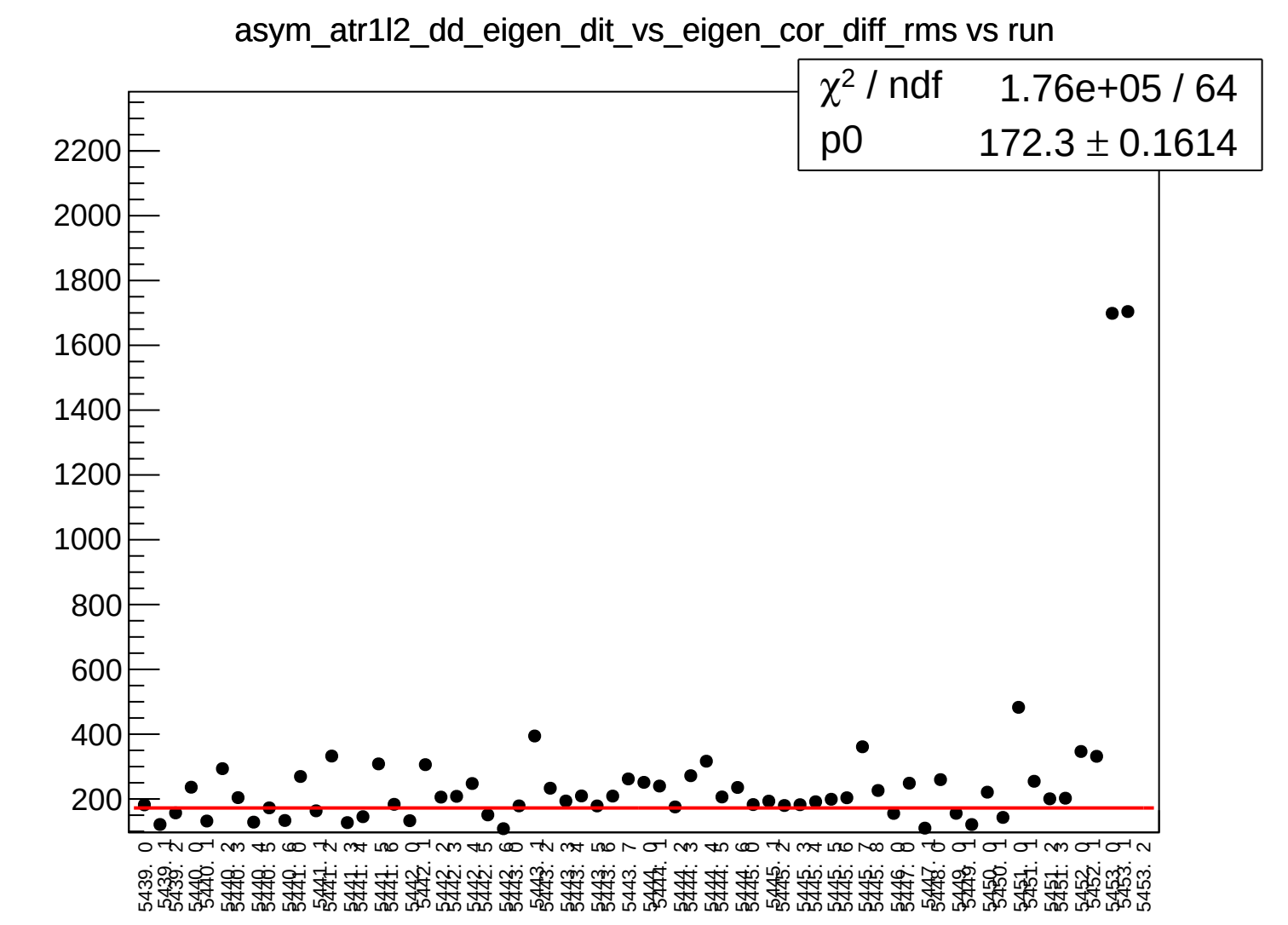

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.64 / 64
p0 0.05728 ± 0.2282
pull
Entries 65
Mean 11.25
Std Dev 0

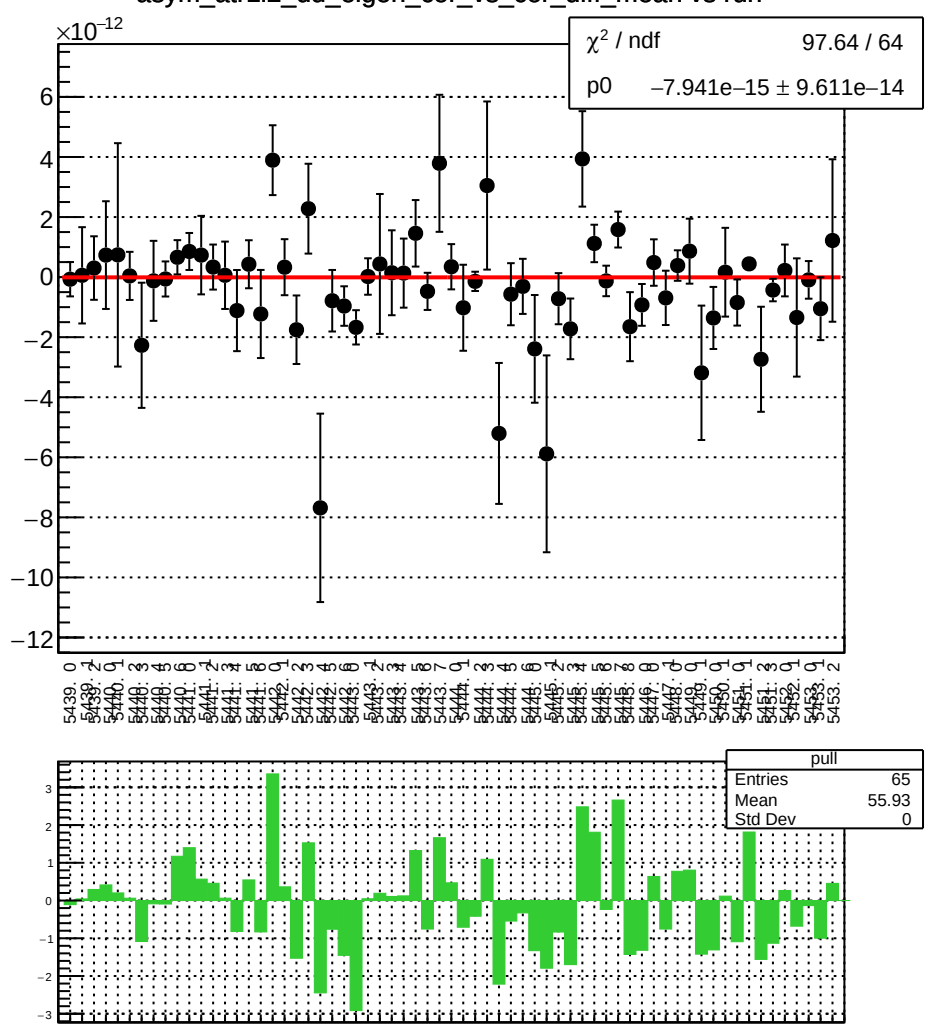

pull1D
Entries 65
Mean −0.1293
Std Dev 0.981

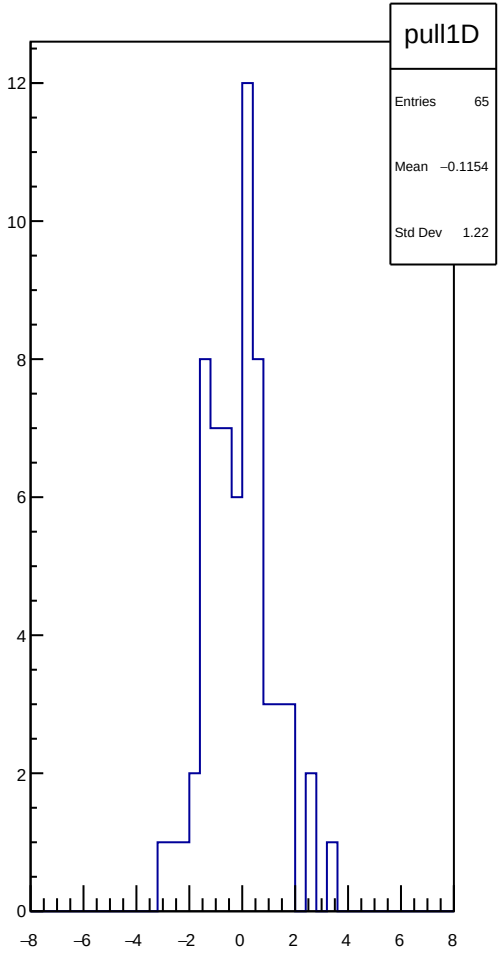

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.76e+05 / 64
p0 172.3 ± 0.1614
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

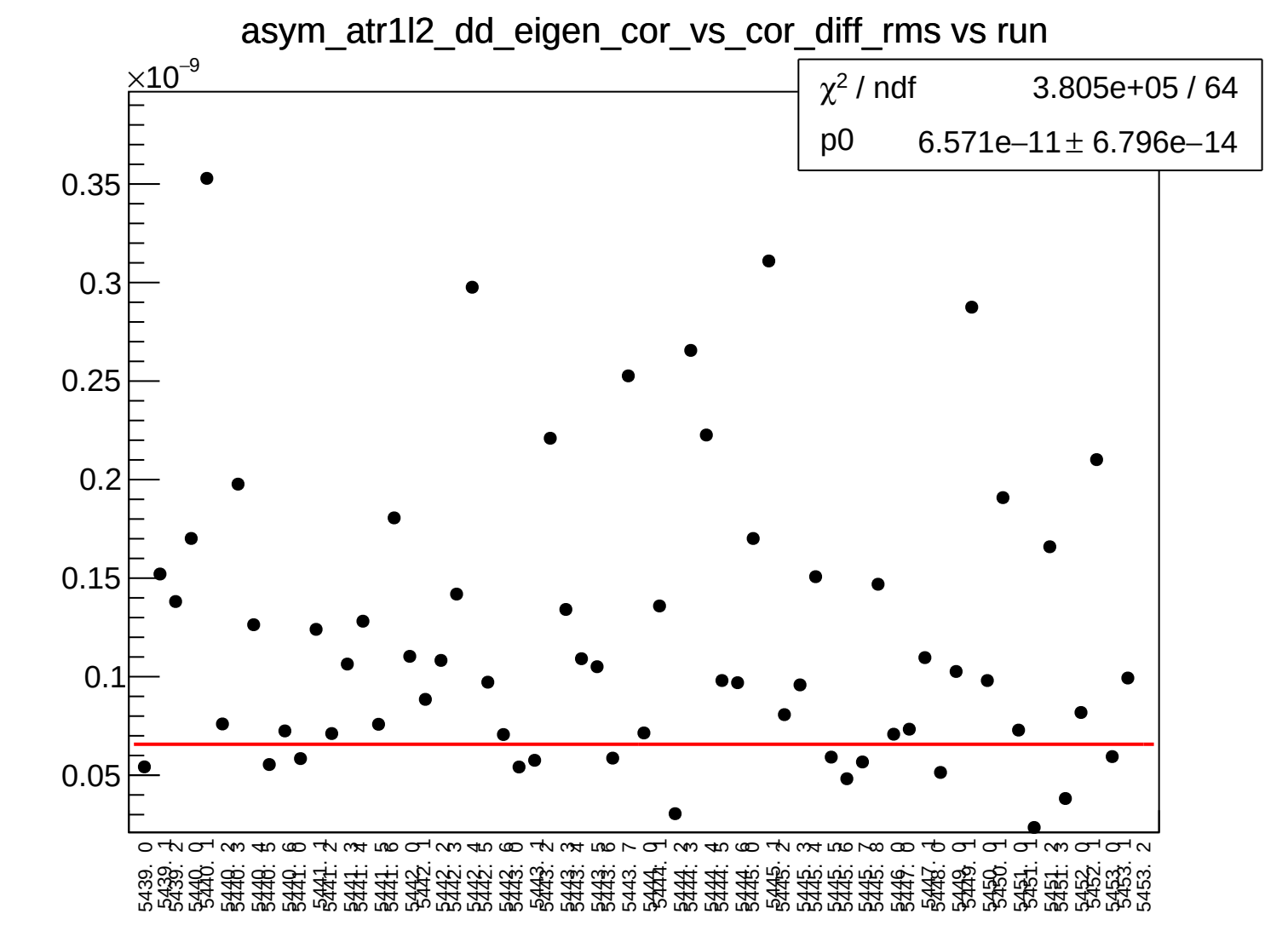

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.64 / 64
p0 0.05728 ± 0.2282
pull
Entries 65
Mean 11.25
Std Dev 0

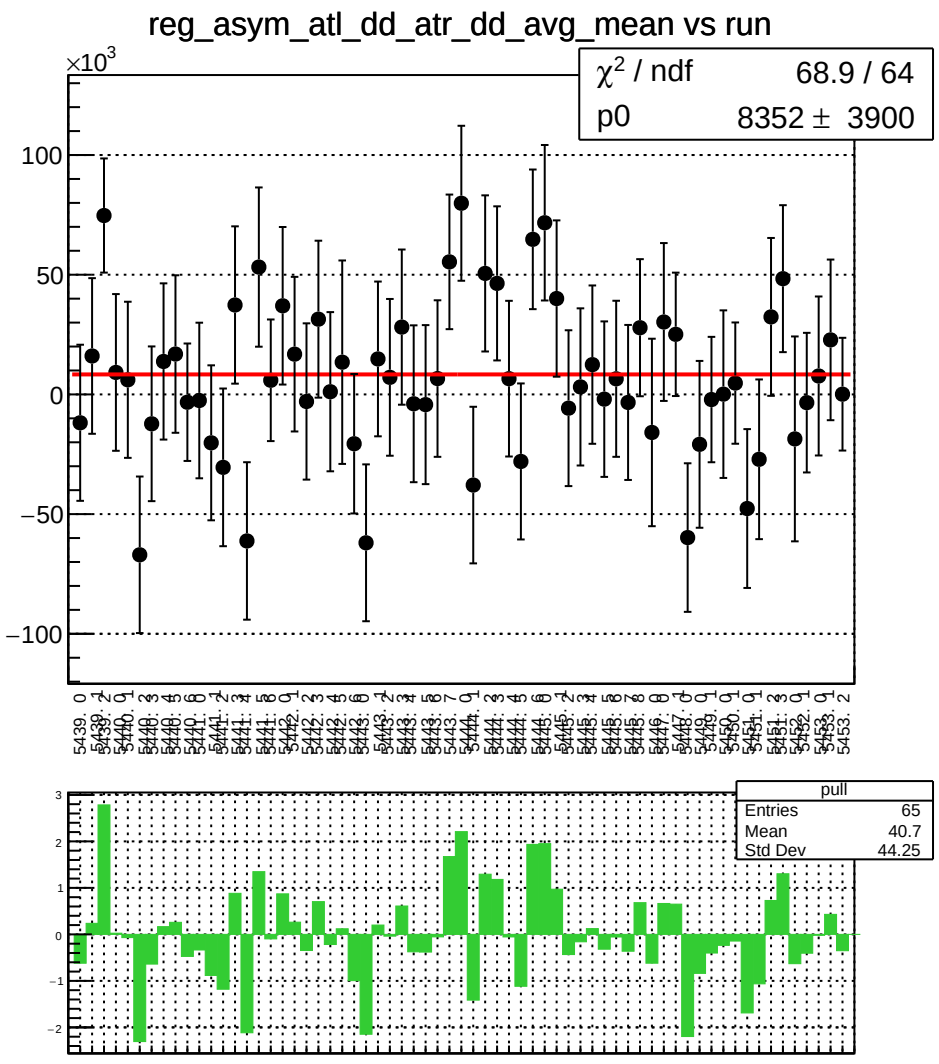

pull1D
Entries 65
Mean −0.1293
Std Dev 0.981

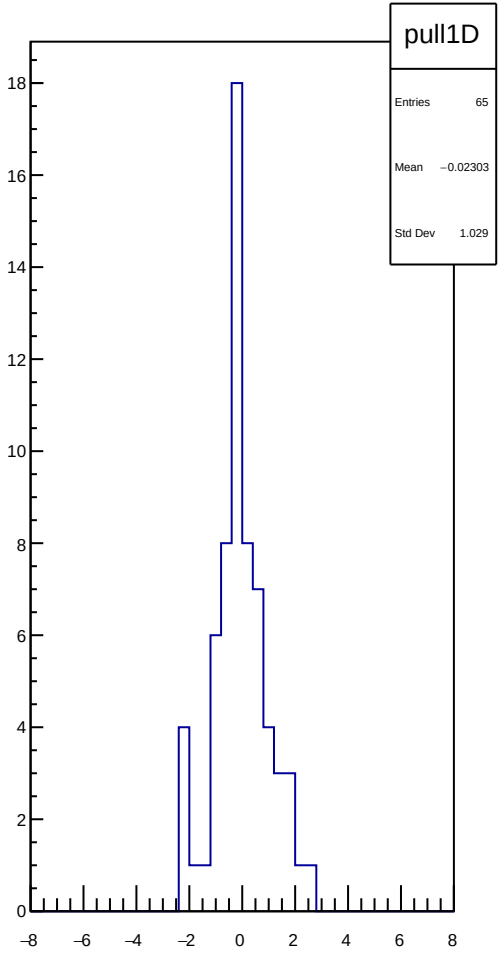

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.76e+05 / 64
p0 172.3 ± 0.1614
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

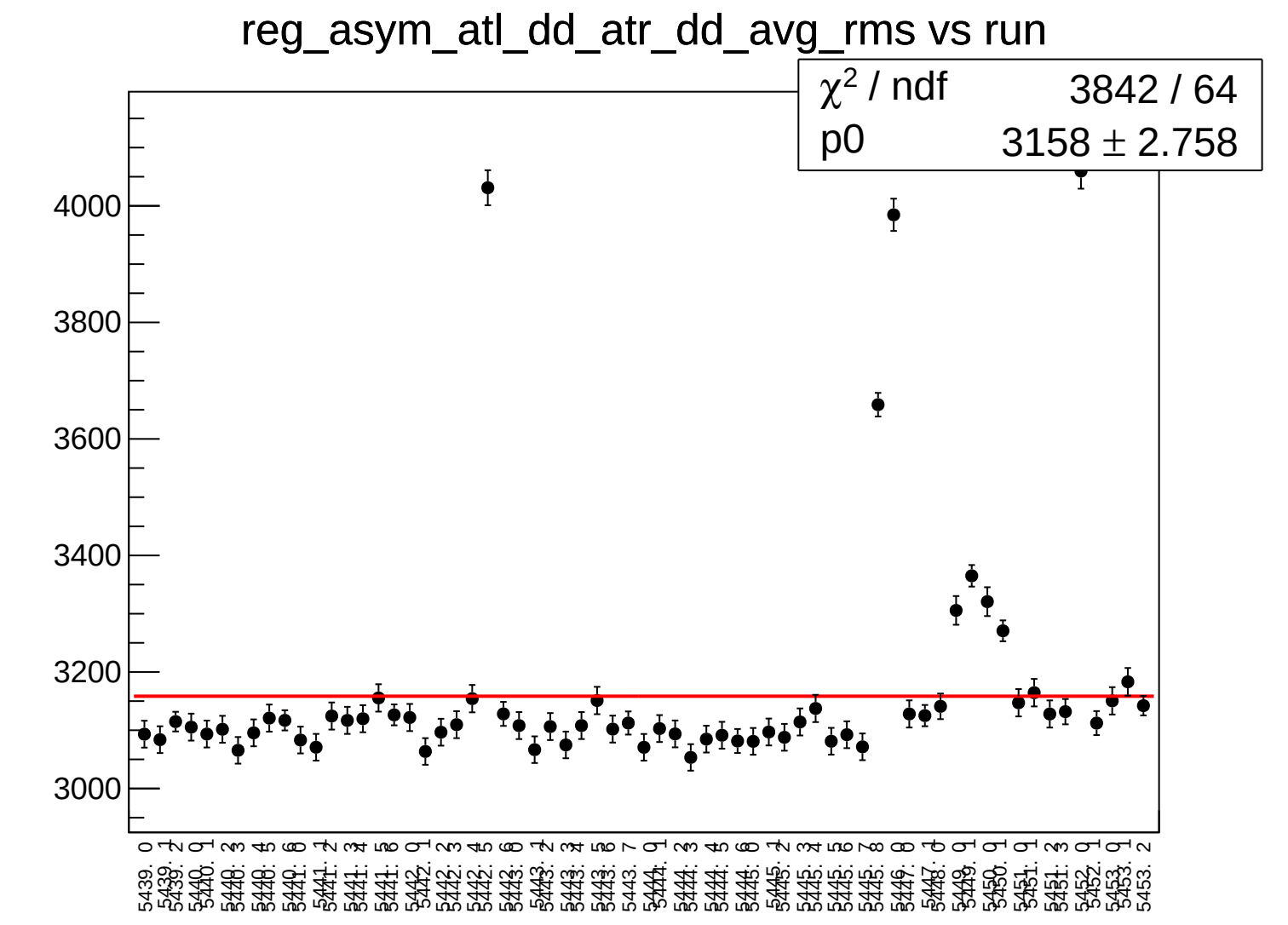

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.64 / 64
p0 −7.941e−15 ± 9.611e−14
pull
Entries 65
Mean 55.93
Std Dev 0

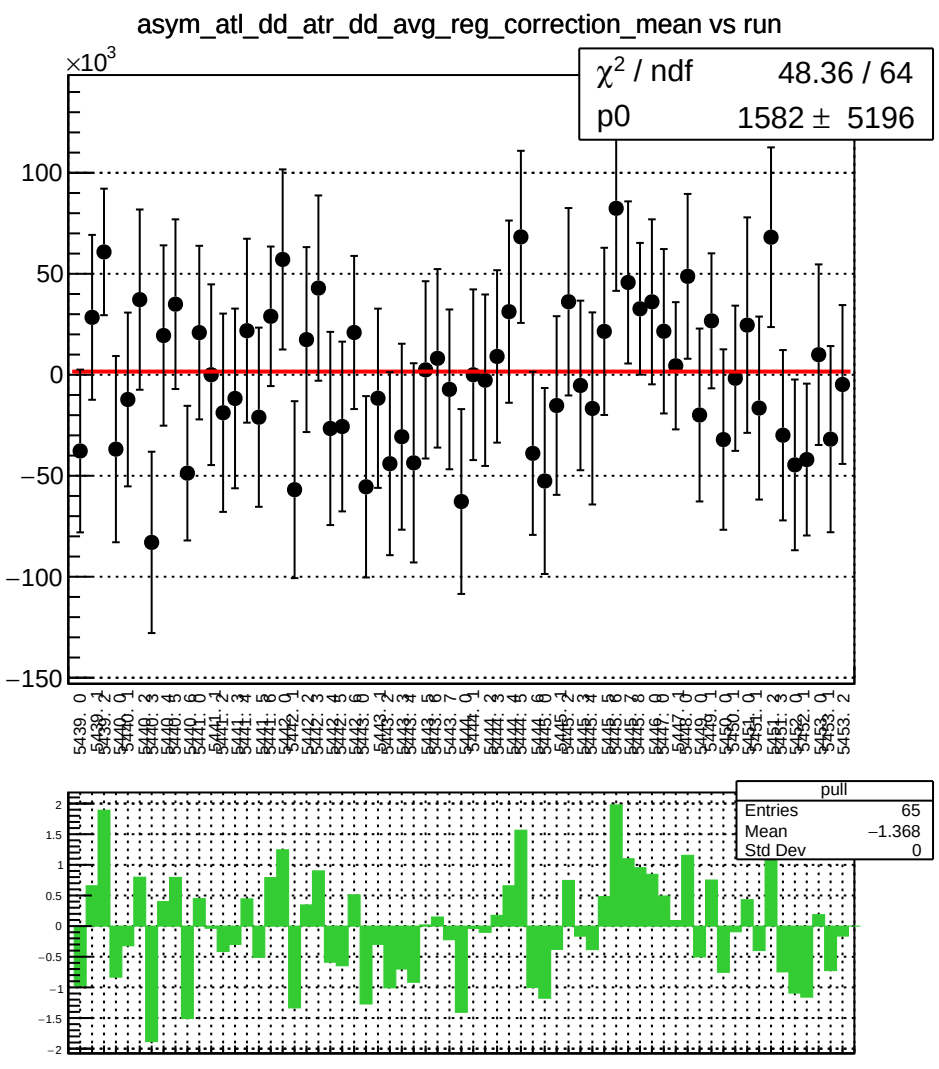

pull1D
Entries 65
Mean −0.1154
Std Dev 1.22

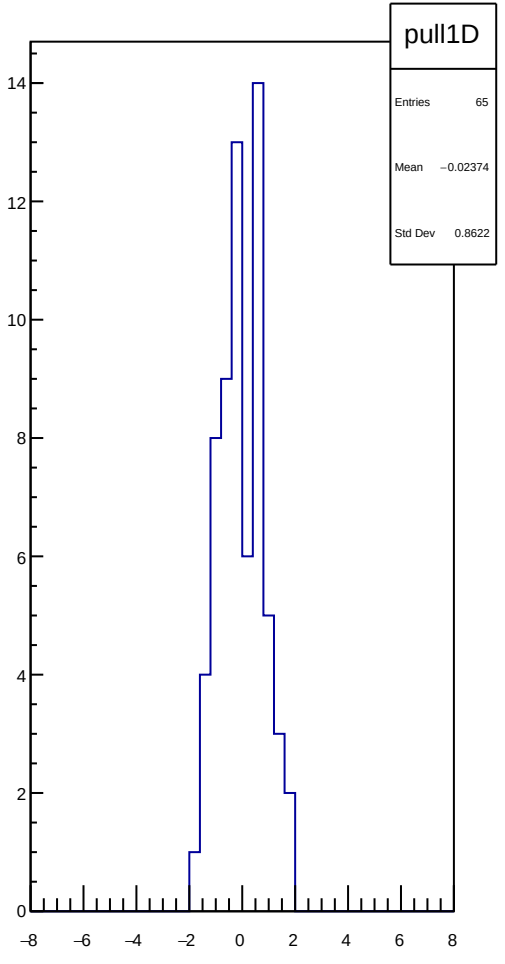

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.805e+05 / 64
p0 6.571e−11 ± 6.796e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

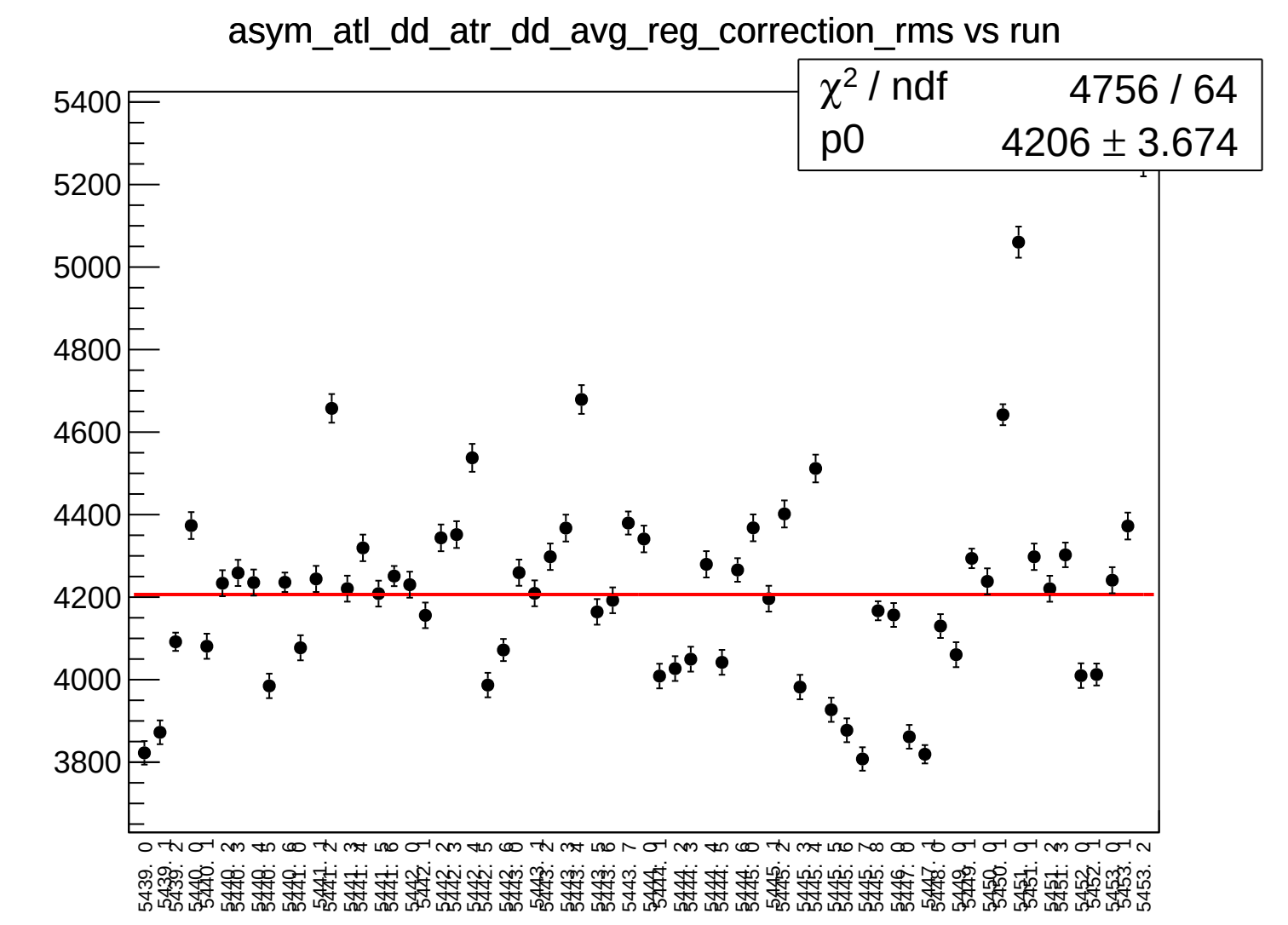

reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 68.9 / 64
p0 8352 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 40.7
Std Dev 44.25
3
2
1
0
−1
−2

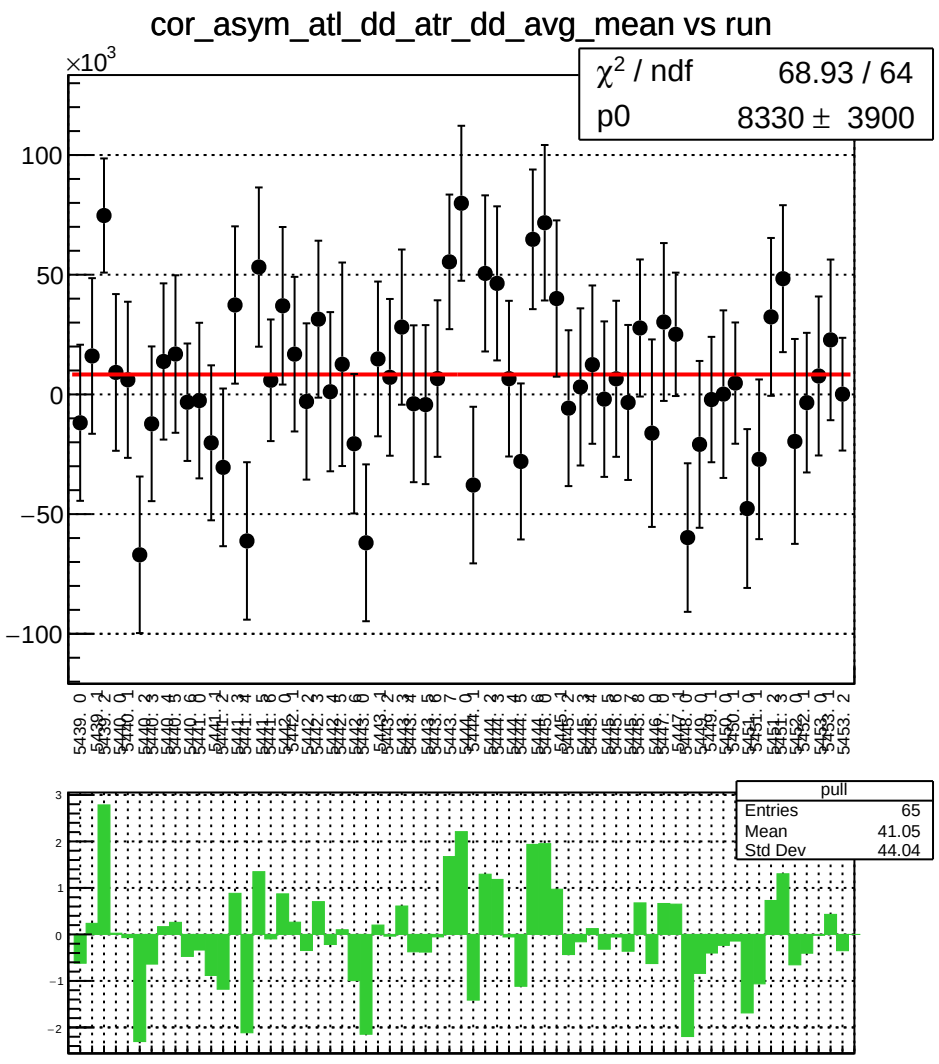

pull1D
Entries 65
Mean −0.02303
Std Dev 1.029
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

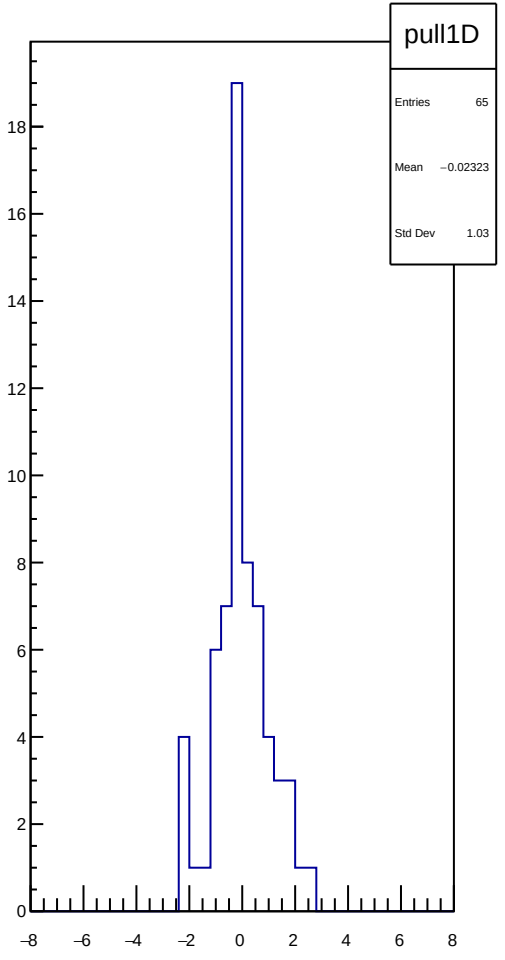

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3842 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

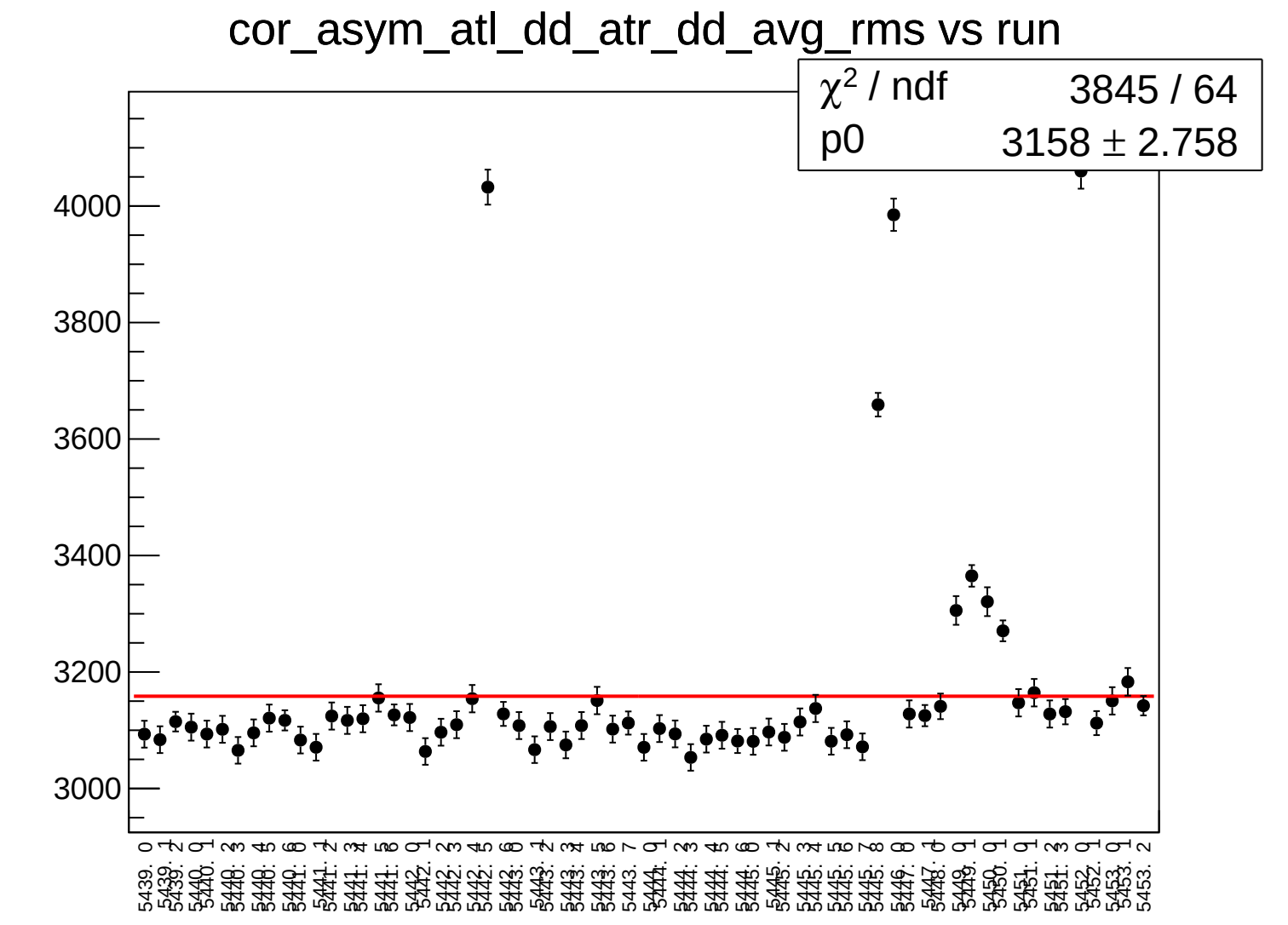

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 48.36 / 64
p0 1582 ± 5196
100
50
0
−50
−100
−150
pull
Entries 65
Mean −1.368
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

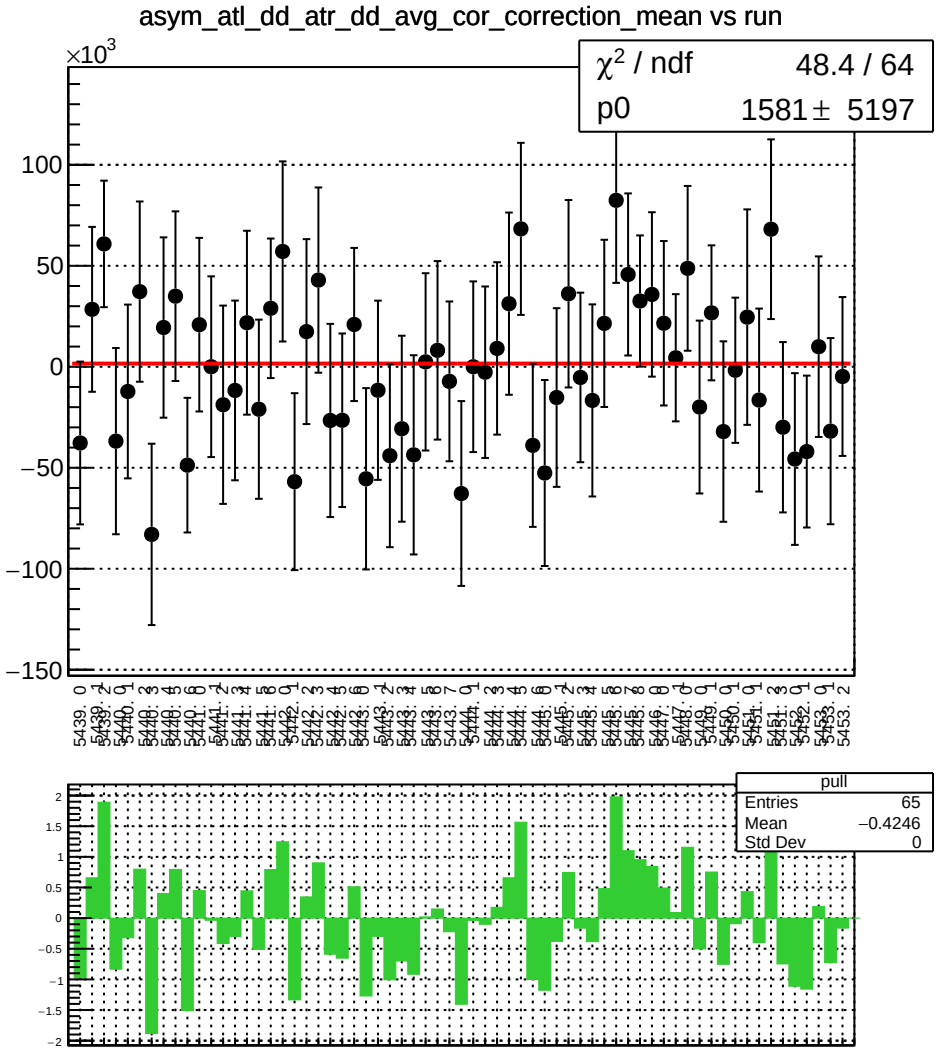

pull1D
Entries 65
Mean −0.02374
Std Dev 0.8622
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

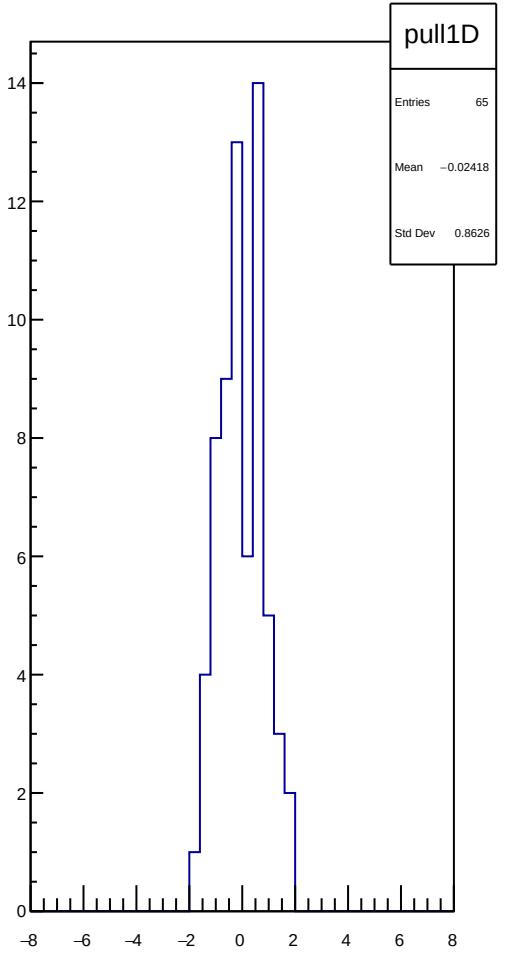

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 4756 / 64
p0 4206 ± 3.674
5400
5200
5000
4800
4600
4400
4200
4000
3800

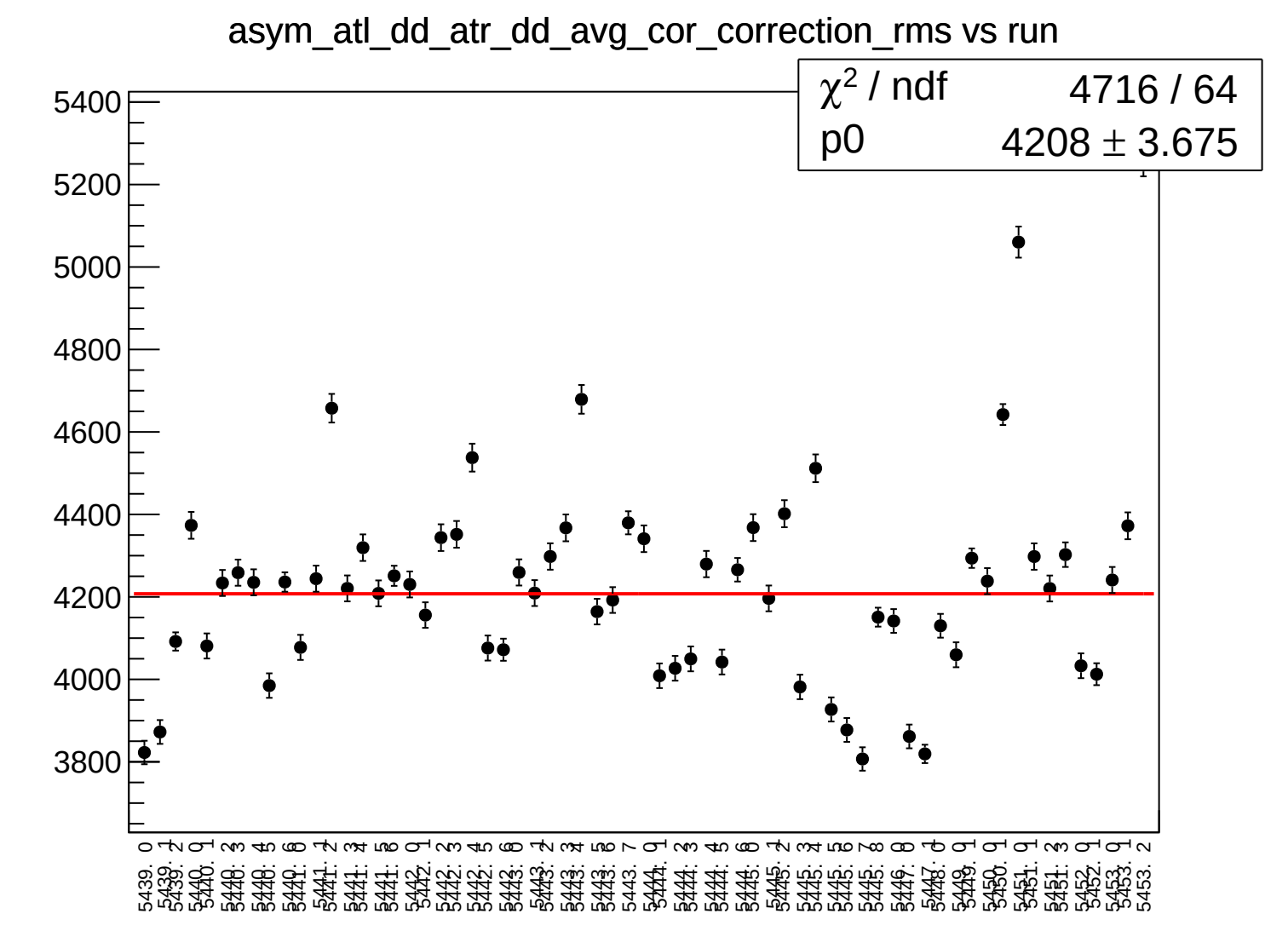

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.93 / 64
p0 8330 ± 3900
×10³
pull
Entries 65
Mean 41.05
Std Dev 44.04

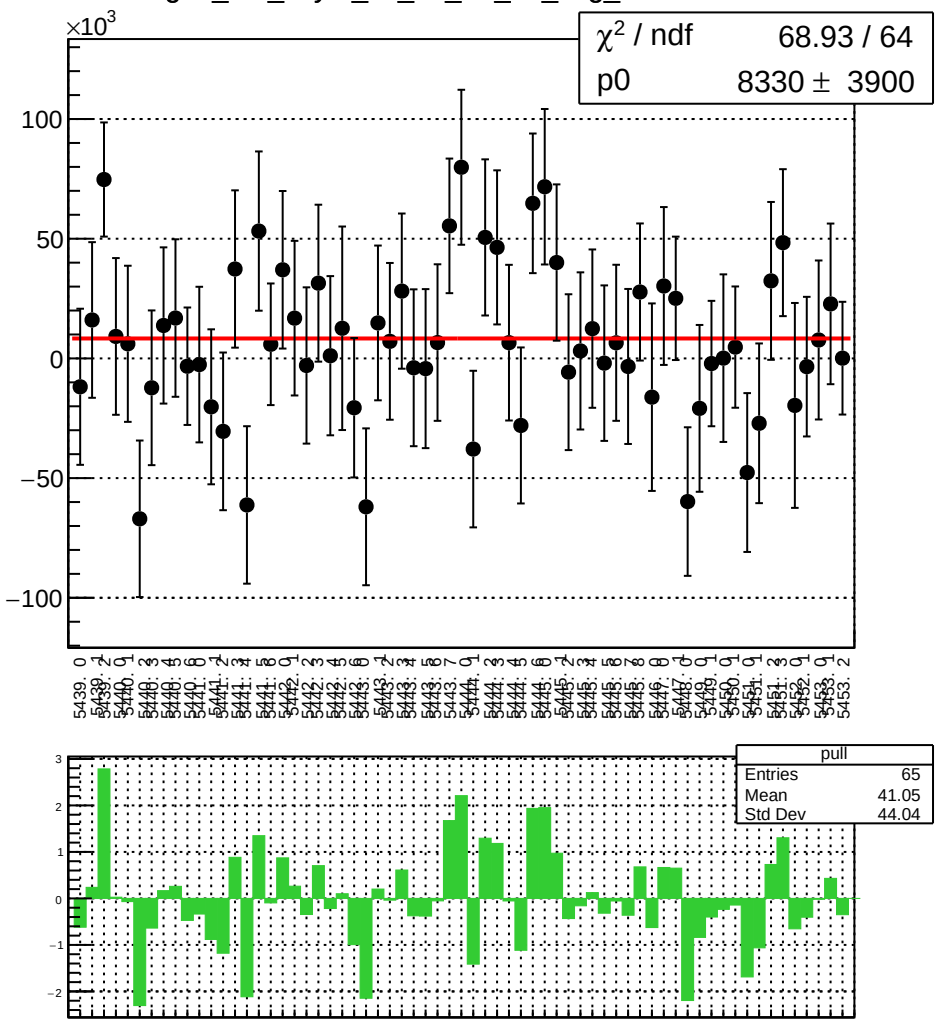

pull1D
Entries 65
Mean −0.02323
Std Dev 1.03

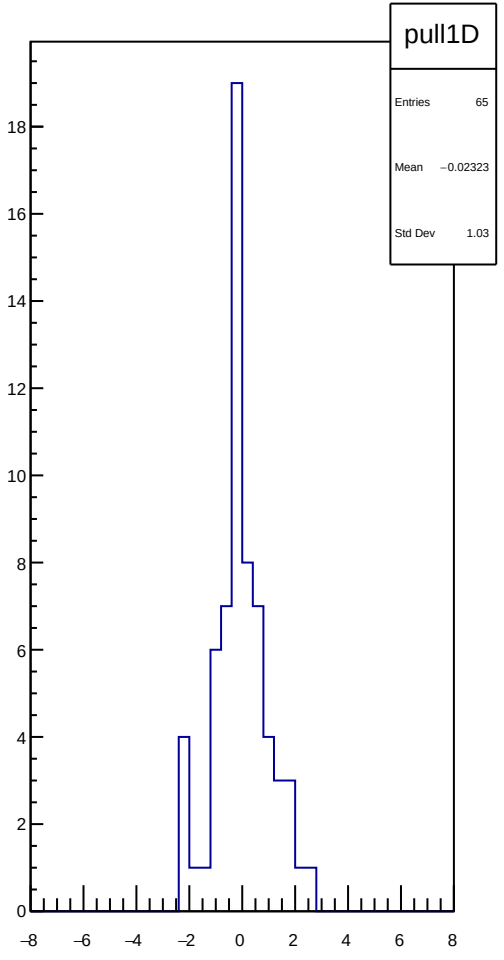

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3845 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

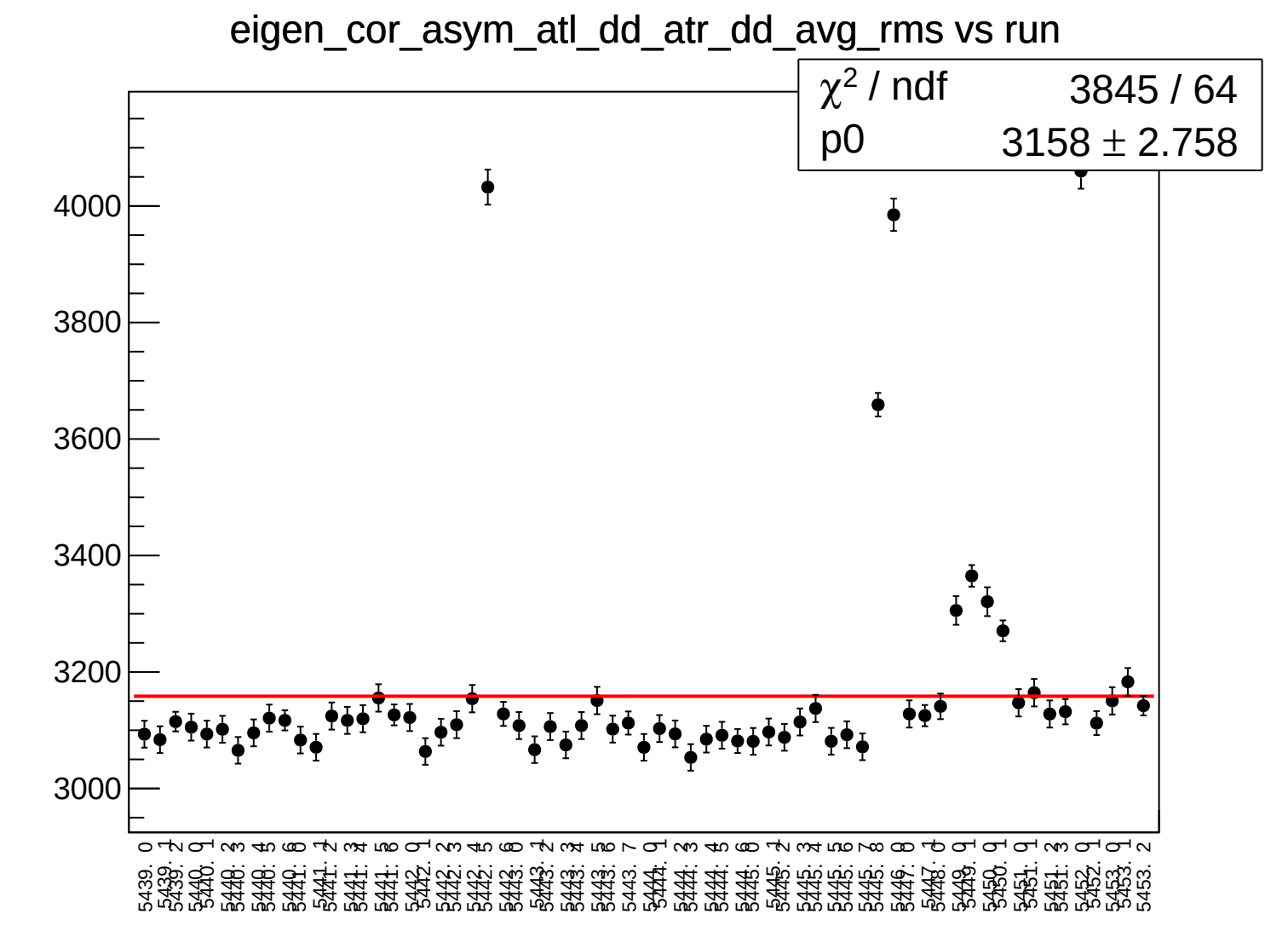

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 48.4 / 64
p0 1581 ± 5197
100
50
0
−50
−100
−150
pull
Entries 65
Mean −0.4246
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

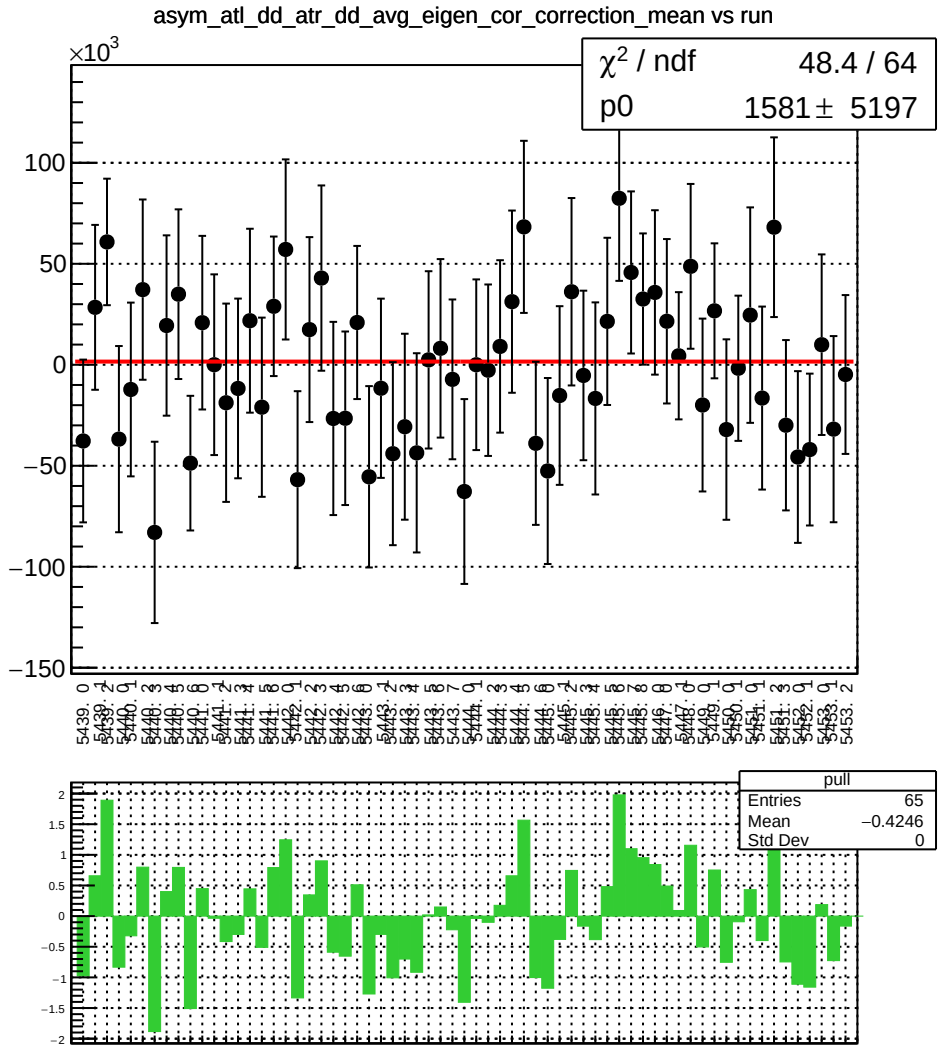

pull1D
Entries 65
Mean −0.02418
Std Dev 0.8626
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

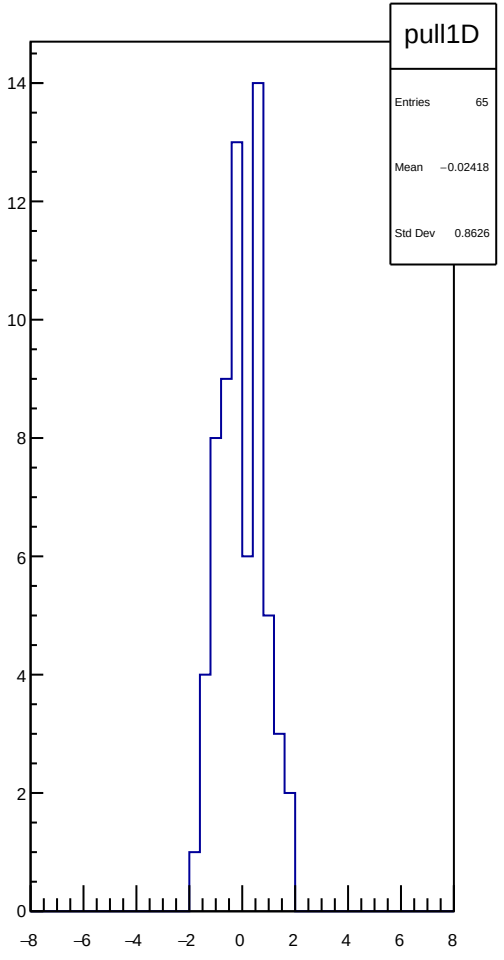

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 4716 / 64
p0 4208 ± 3.675
5400
5200
5000
4800
4600
4400
4200
4000
3800

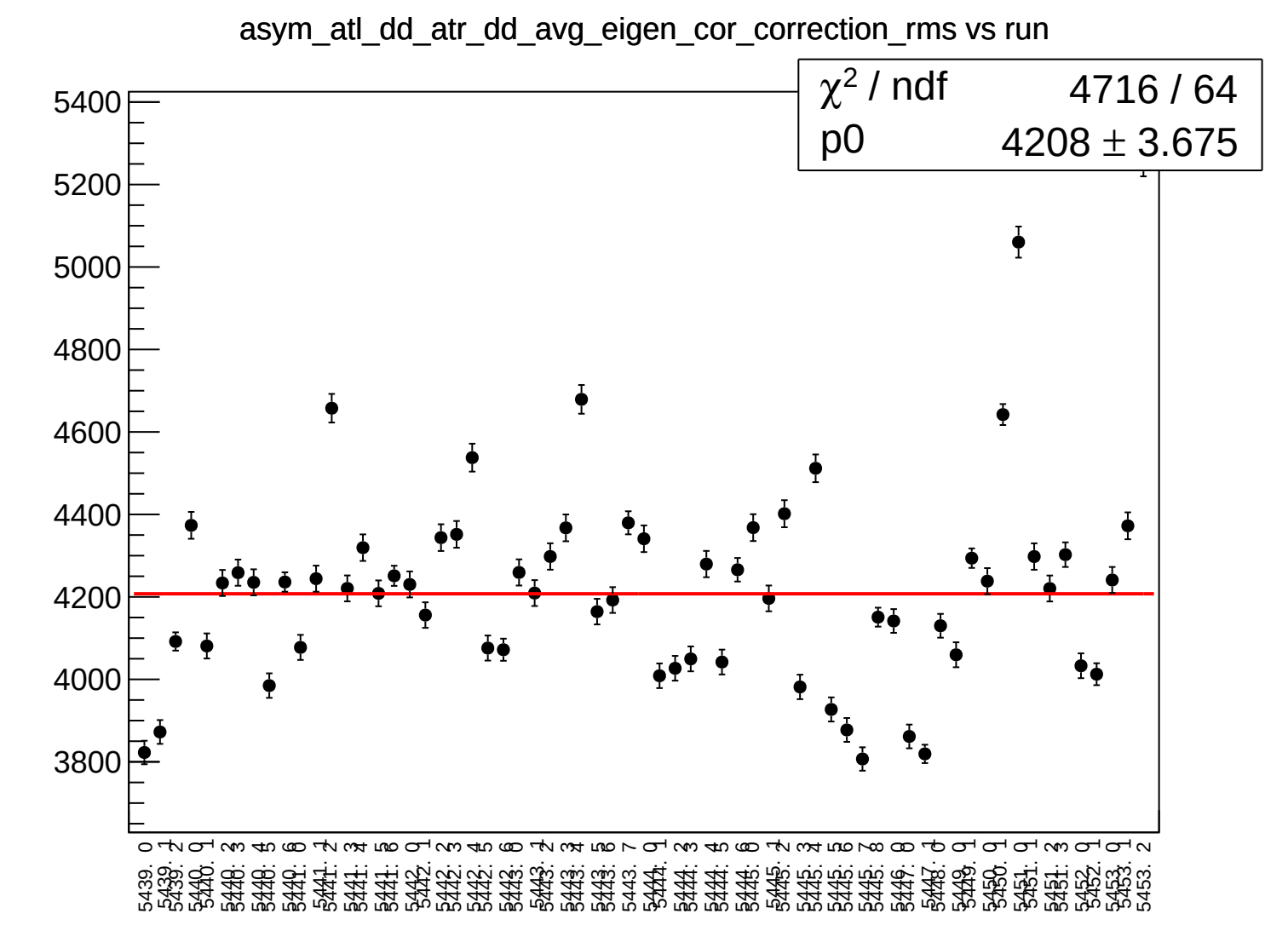

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 68.93 / 64
p0 8330 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 41.05
Std Dev 44.04
3
2
1
0
−1
−2

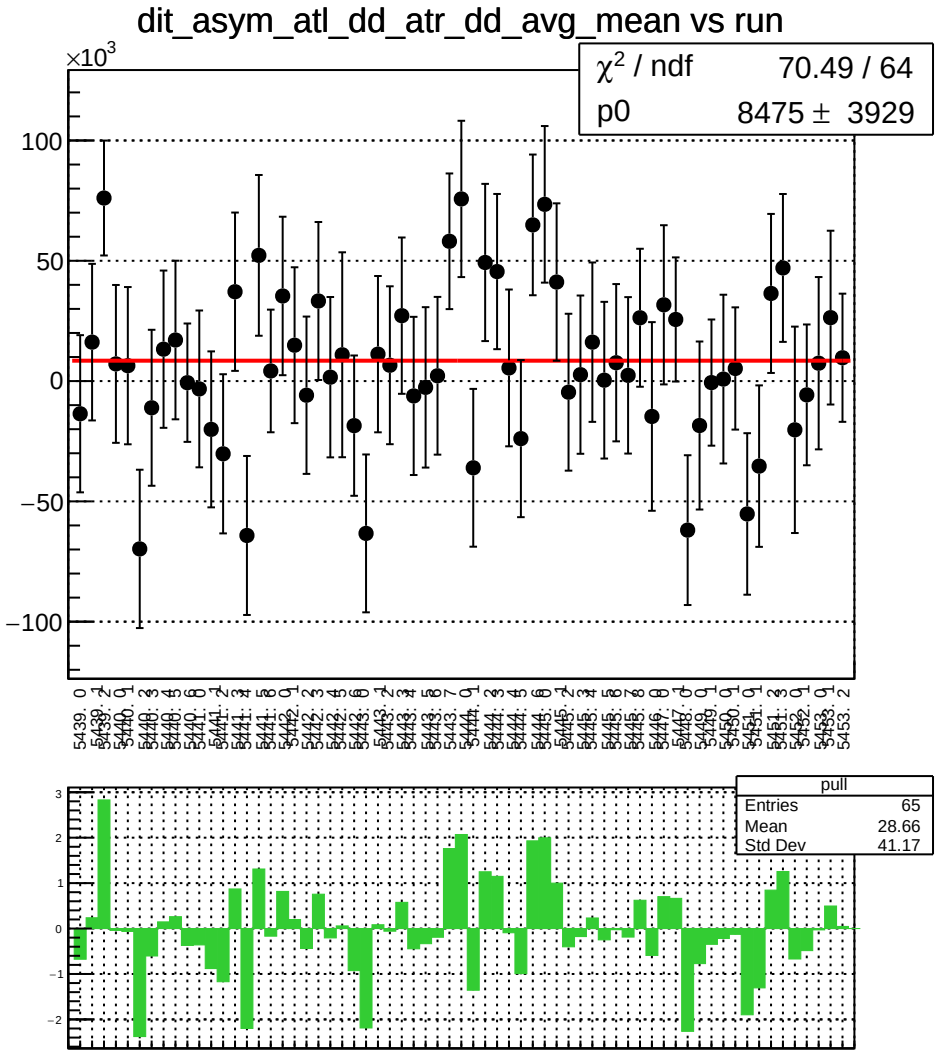

pull1D
Entries 65
Mean −0.02323
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

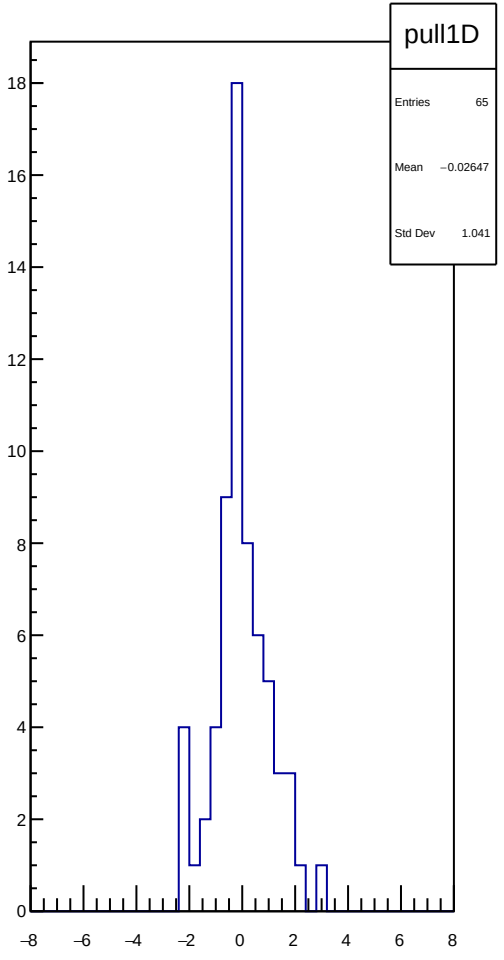

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3845 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

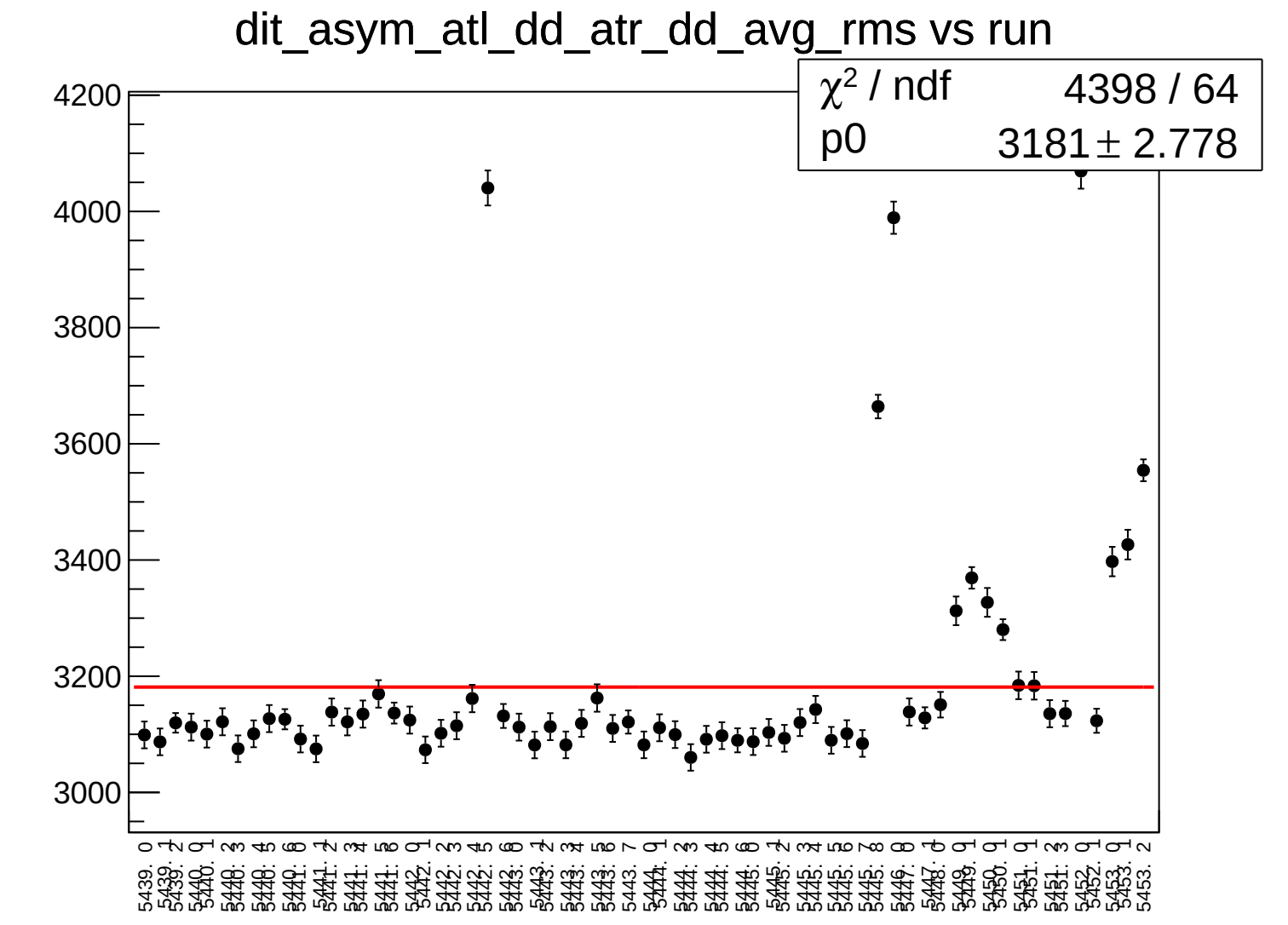

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 48.4 / 64
p0 1581 ± 5197
pull
Entries 65
Mean −0.4246
Std Dev 0

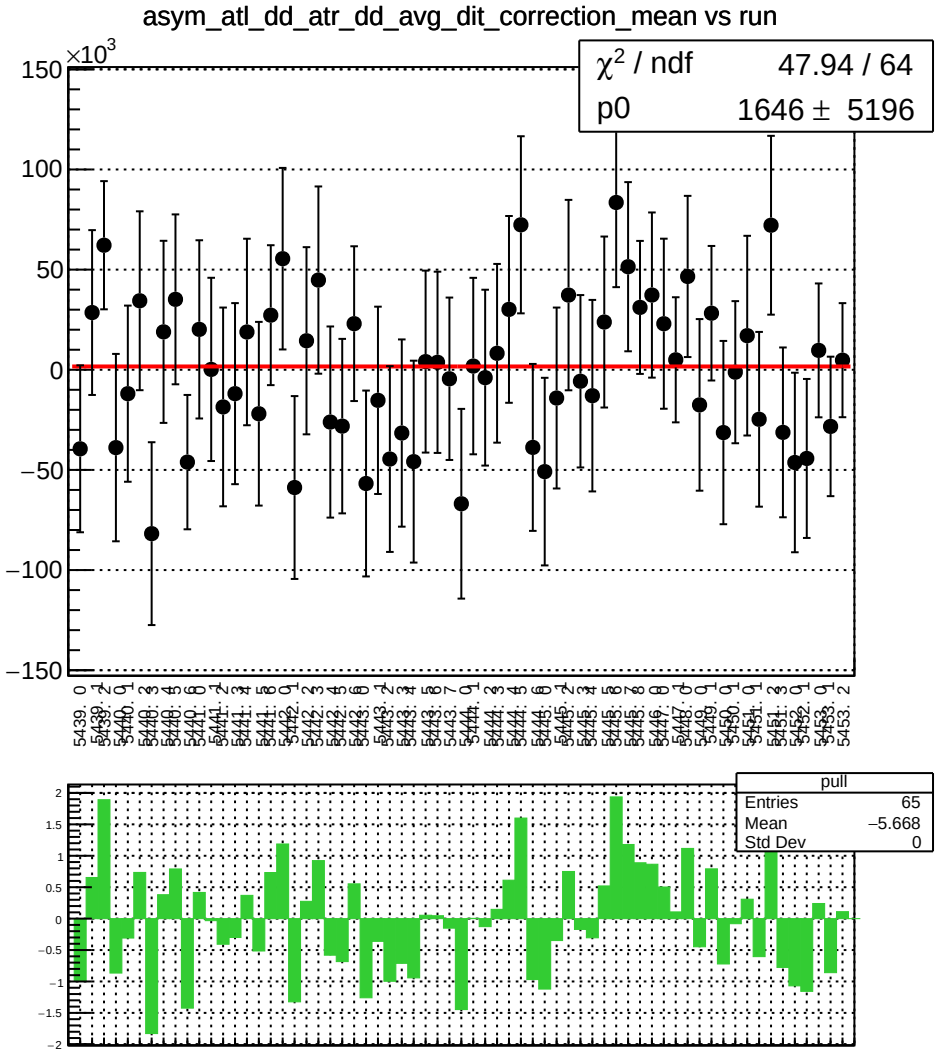

pull1D
Entries 65
Mean −0.02418
Std Dev 0.8626

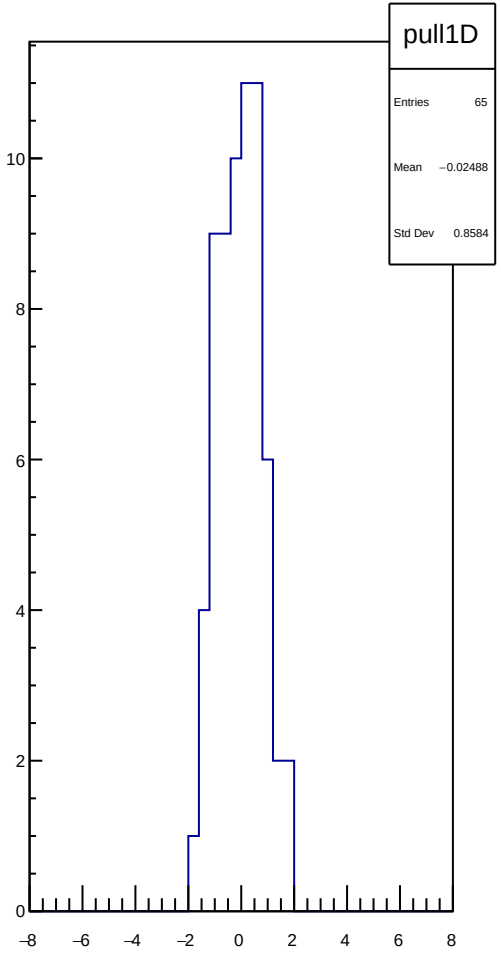

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4716 / 64
p0 4208 ± 3.675
5400
5200
5000
4800
4600
4400
4200
4000
3800

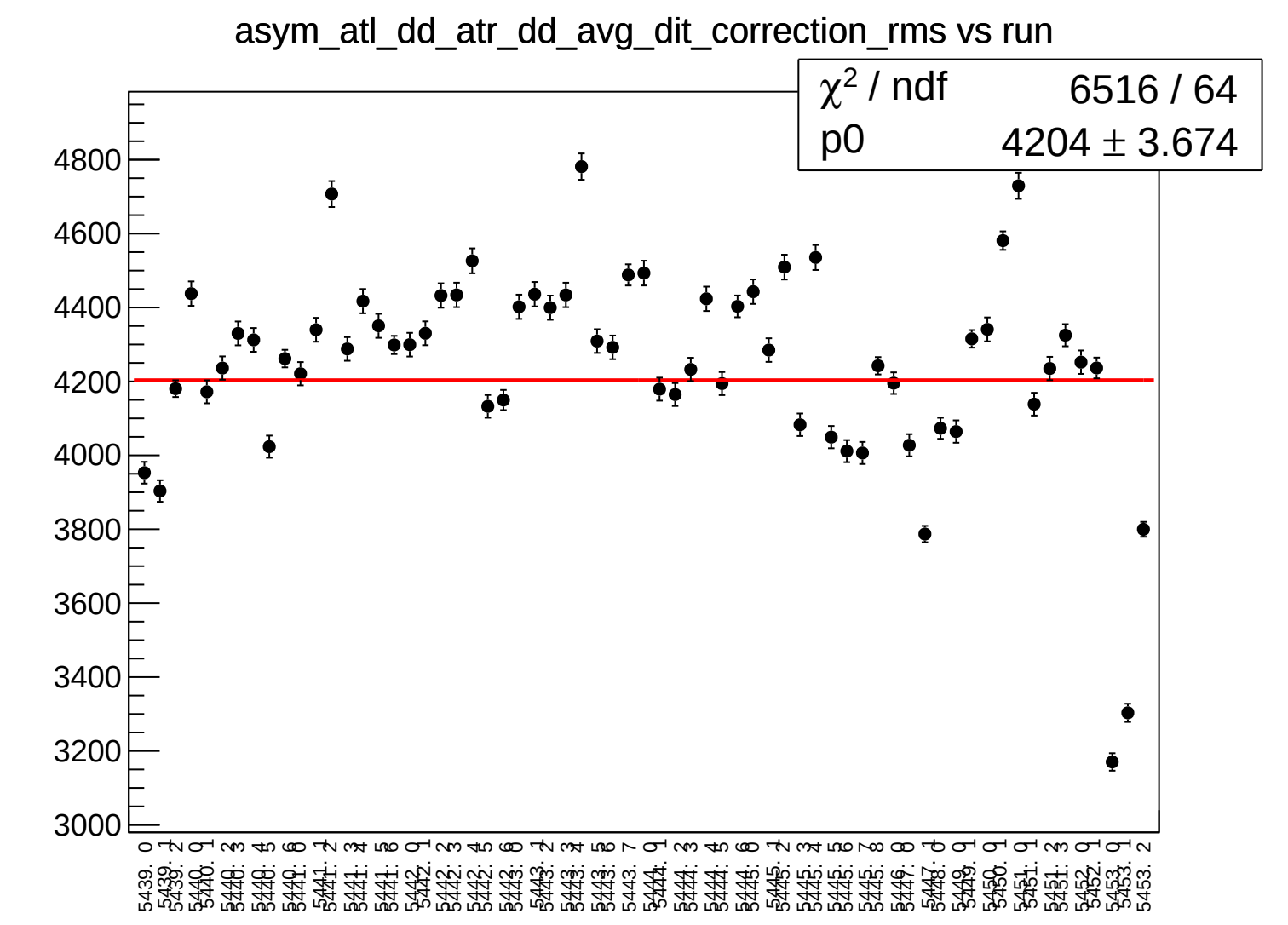

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 70.49 / 64
p0 8475 ± 3929
100
50
0
−50
−100
pull
Entries 65
Mean 28.66
Std Dev 41.17
3
2
1
0
−1
−2

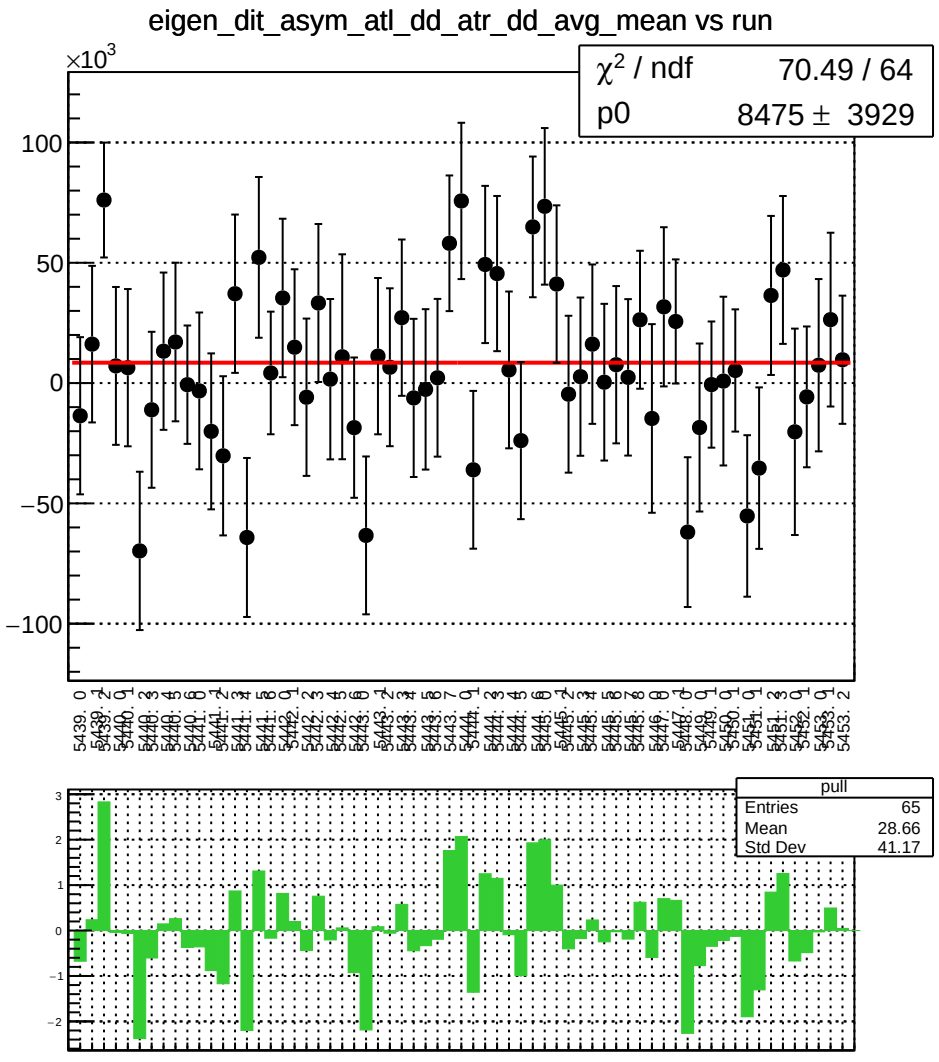

pull1D
Entries 65
Mean −0.02647
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

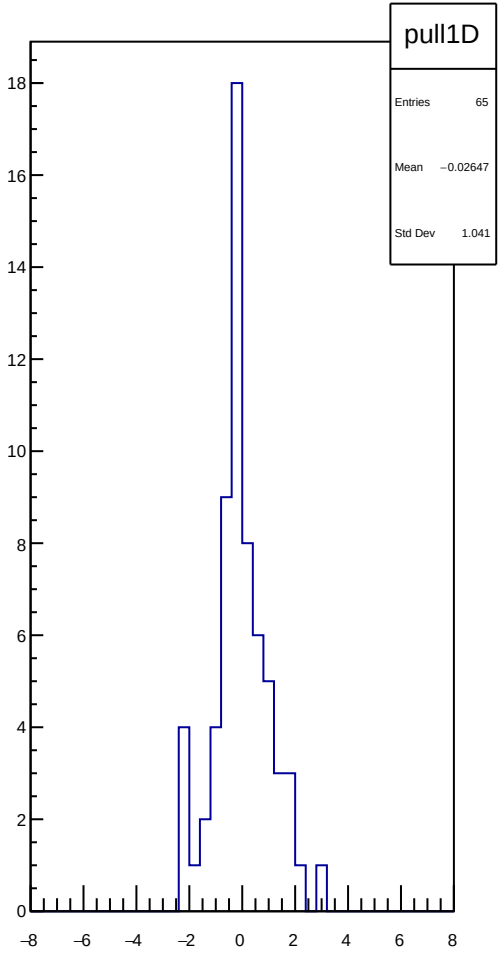

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4398 / 64
p0 3181 ± 2.778
4200
4000
3800
3600
3400
3200
3000

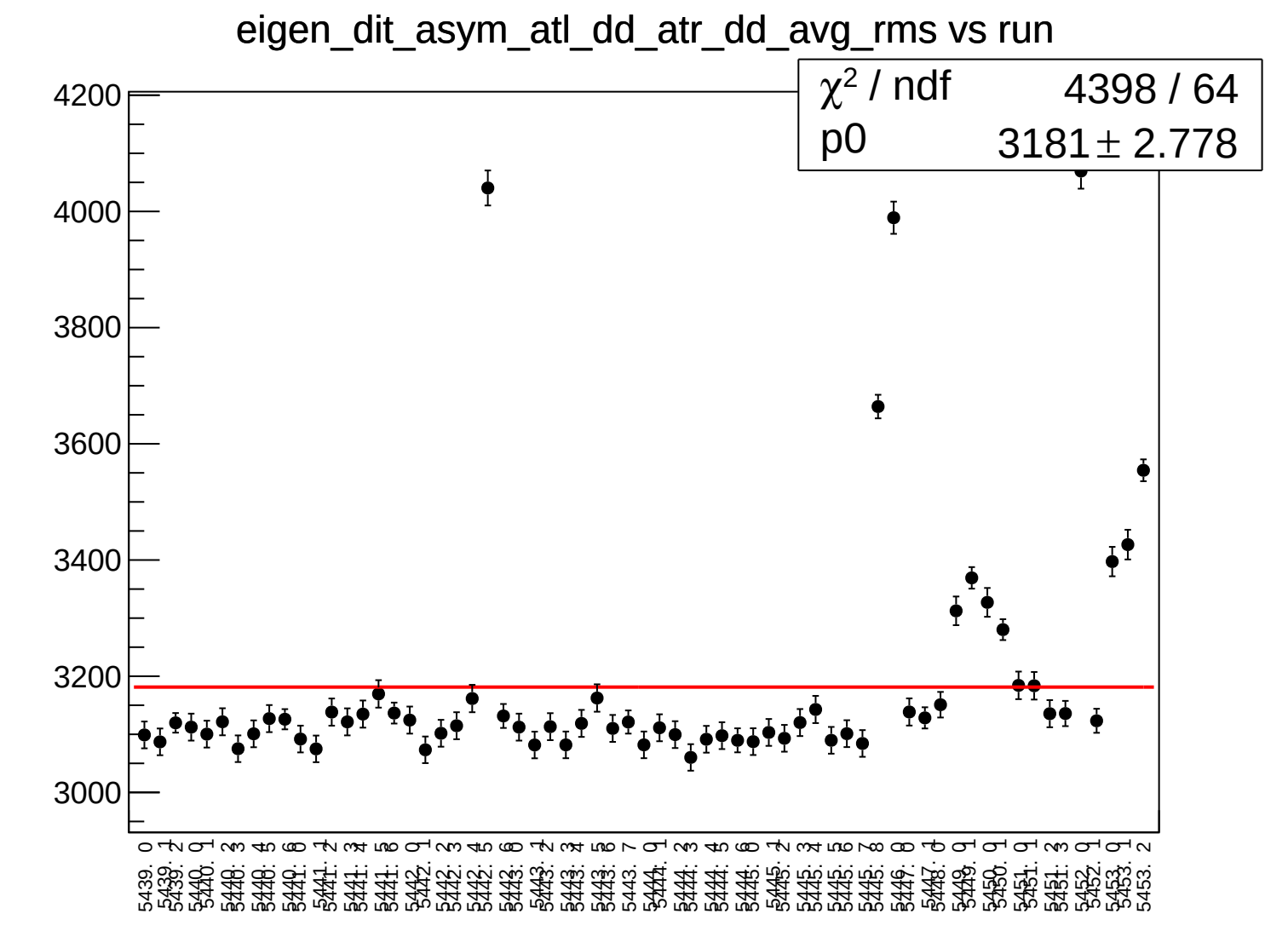

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 47.94 / 64
p0 1646 ± 5196
pull
Entries 65
Mean −5.668
Std Dev 0

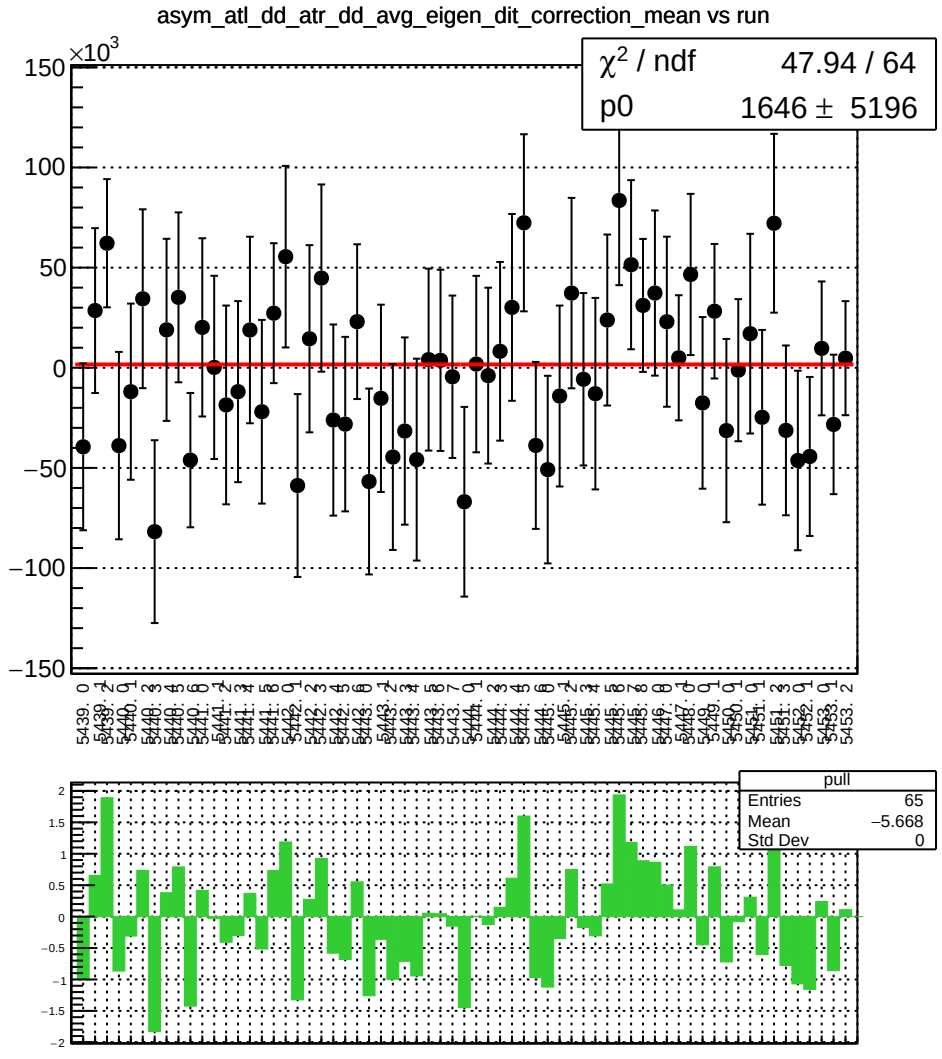

pull1D
Entries 65
Mean −0.02488
Std Dev 0.8584

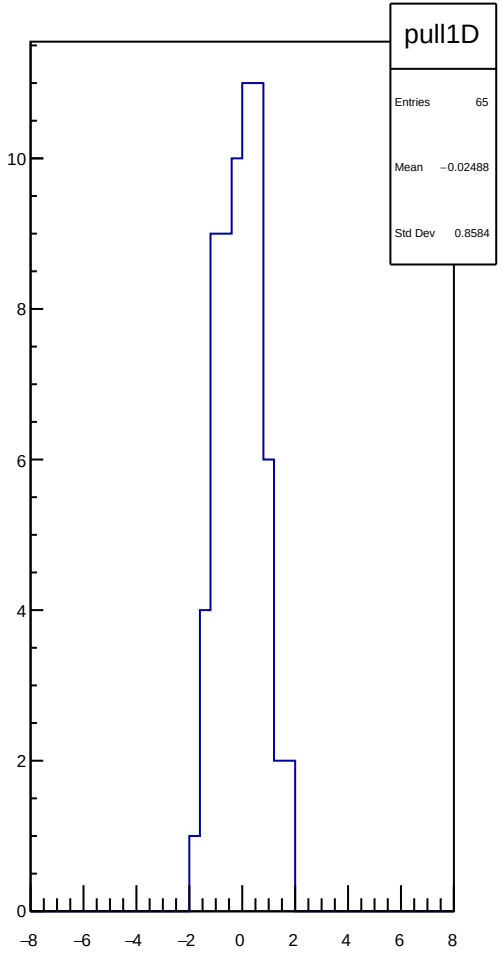

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 6516 / 64
p0 4204 ± 3.674
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000

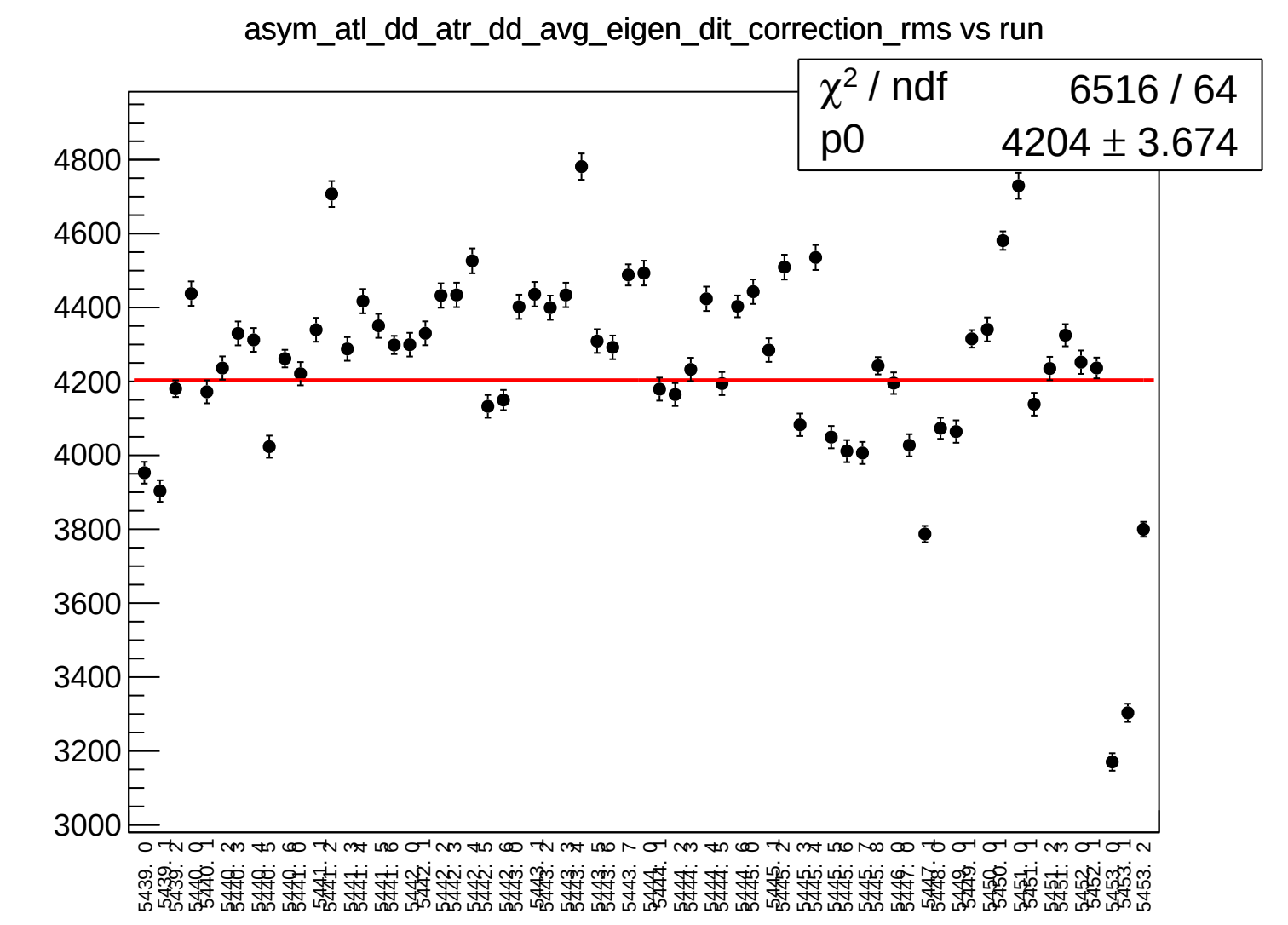

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 70.49 / 64
p0 8475 ± 3929
100
50
0
−50
−100
pull
Entries 65
Mean 28.66
Std Dev 41.17
3
2
1
0
−1
−2

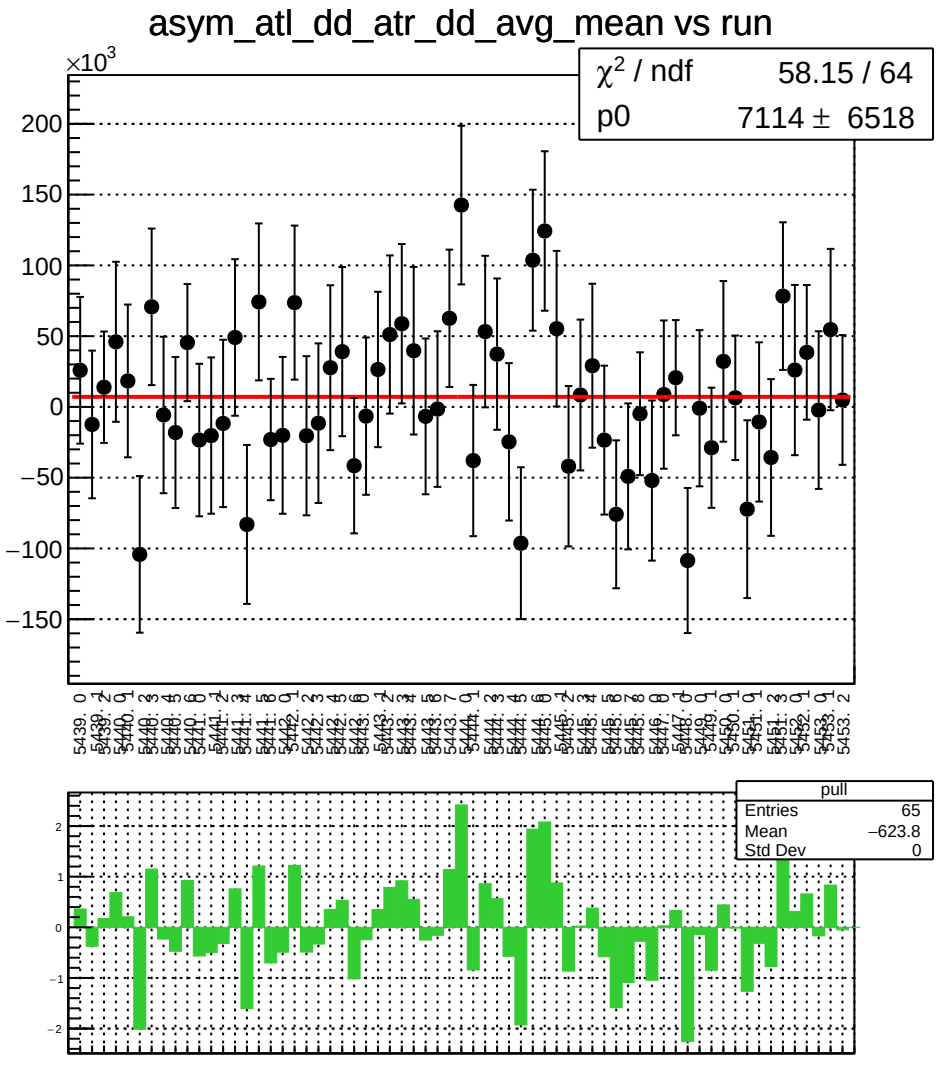

pull1D
Entries 65
Mean −0.02647
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

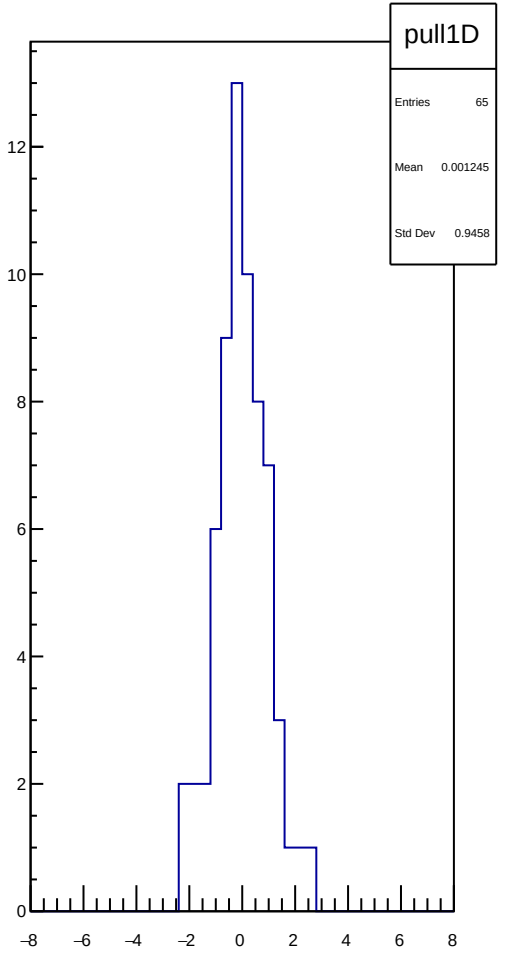

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4398 / 64
p0 3181 ± 2.778
4200
4000
3800
3600
3400
3200
3000

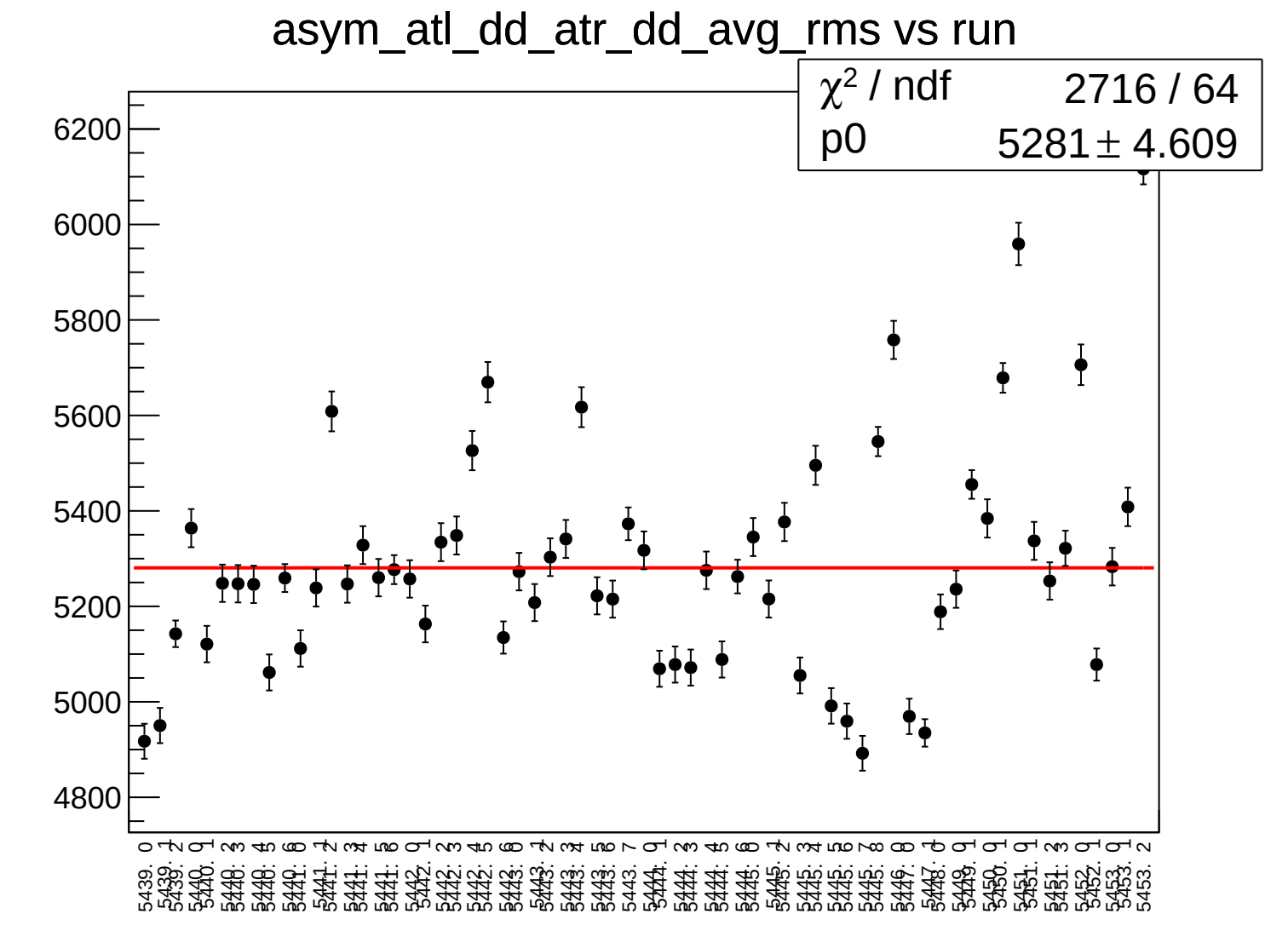

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.94 / 64
p0 1646 ± 5196
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −5.668
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

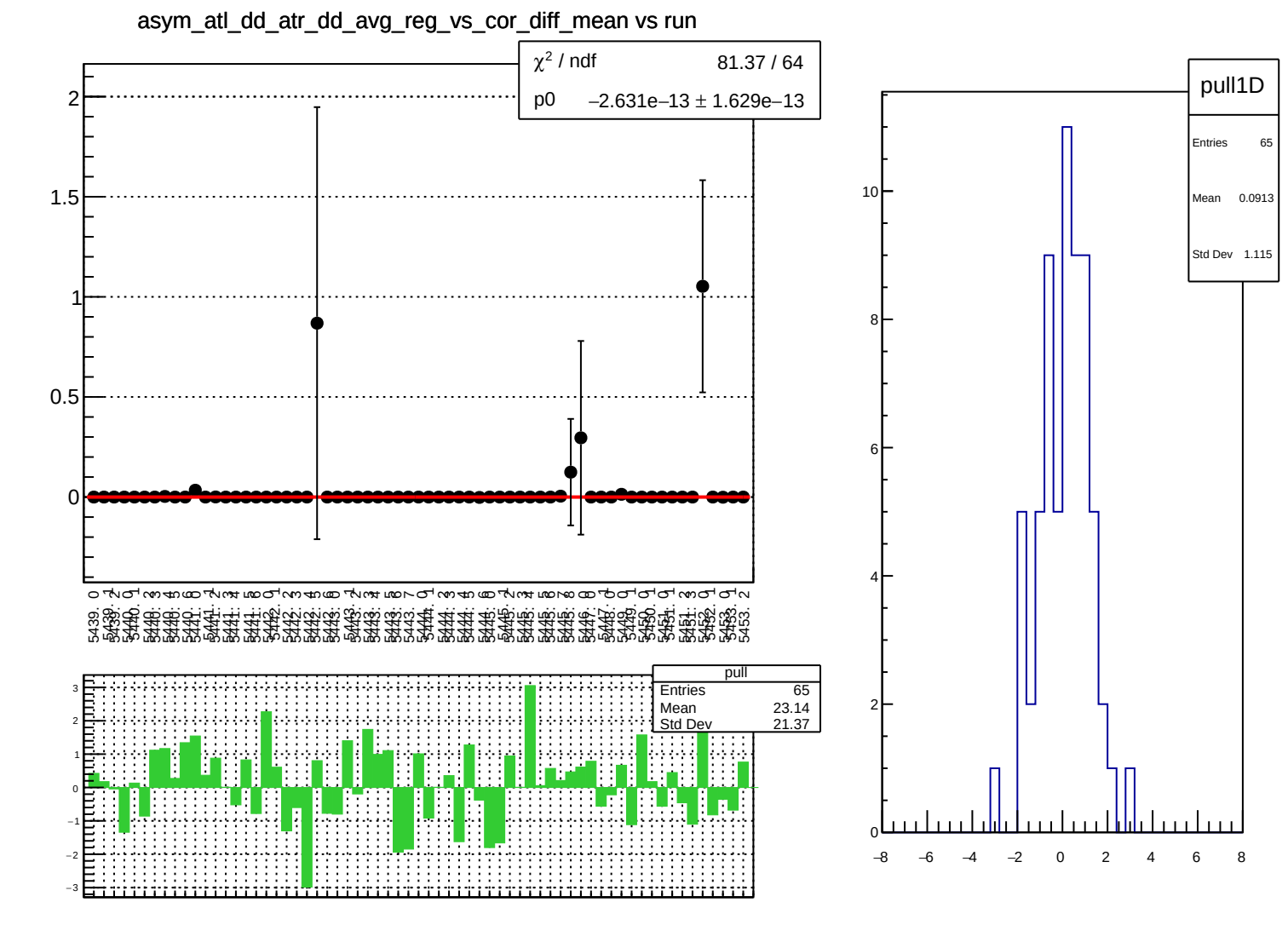

pull1D
Entries 65
Mean −0.02488
Std Dev 0.8584
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

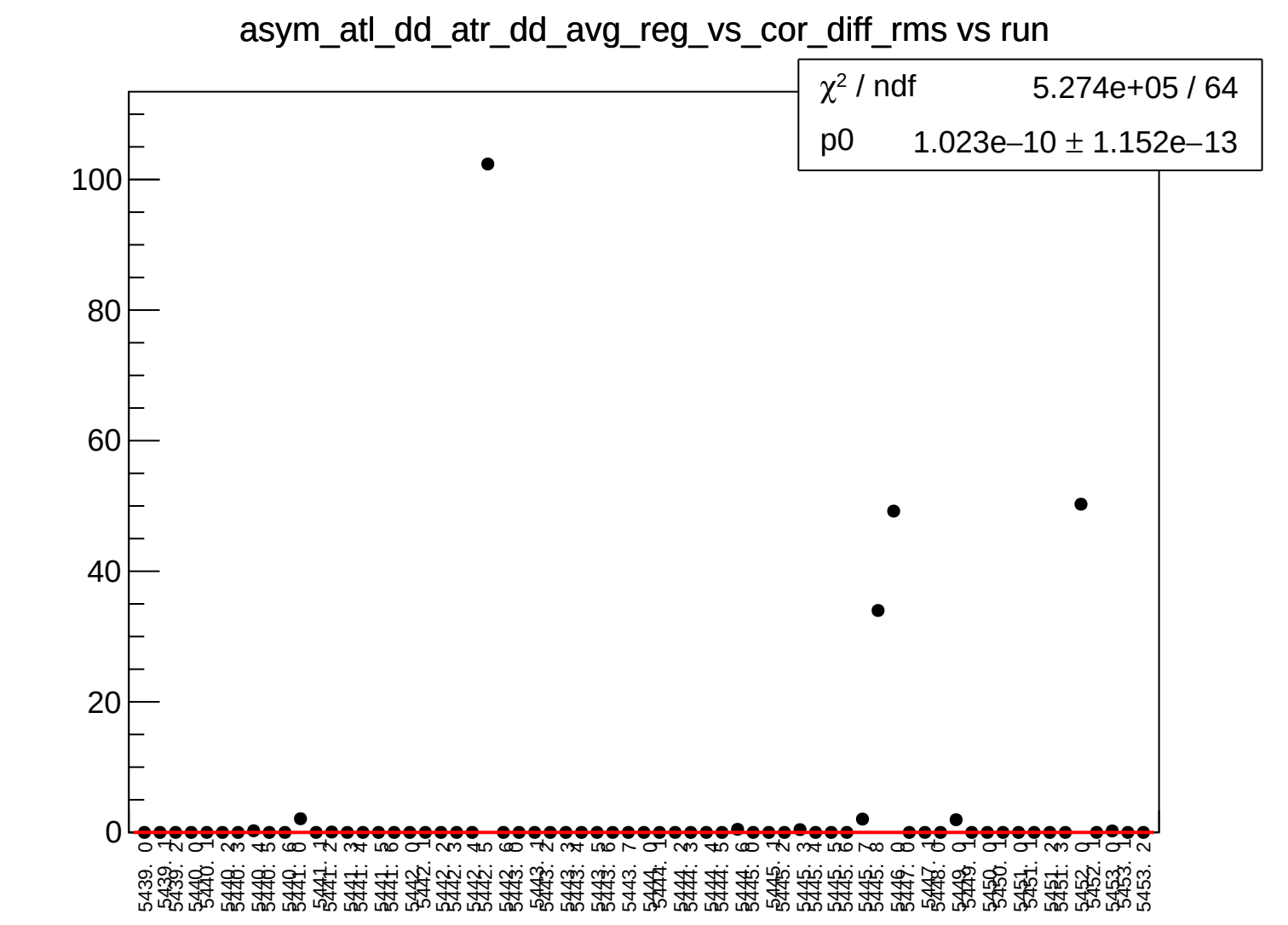

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6516 / 64
p0 4204 ± 3.674
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000

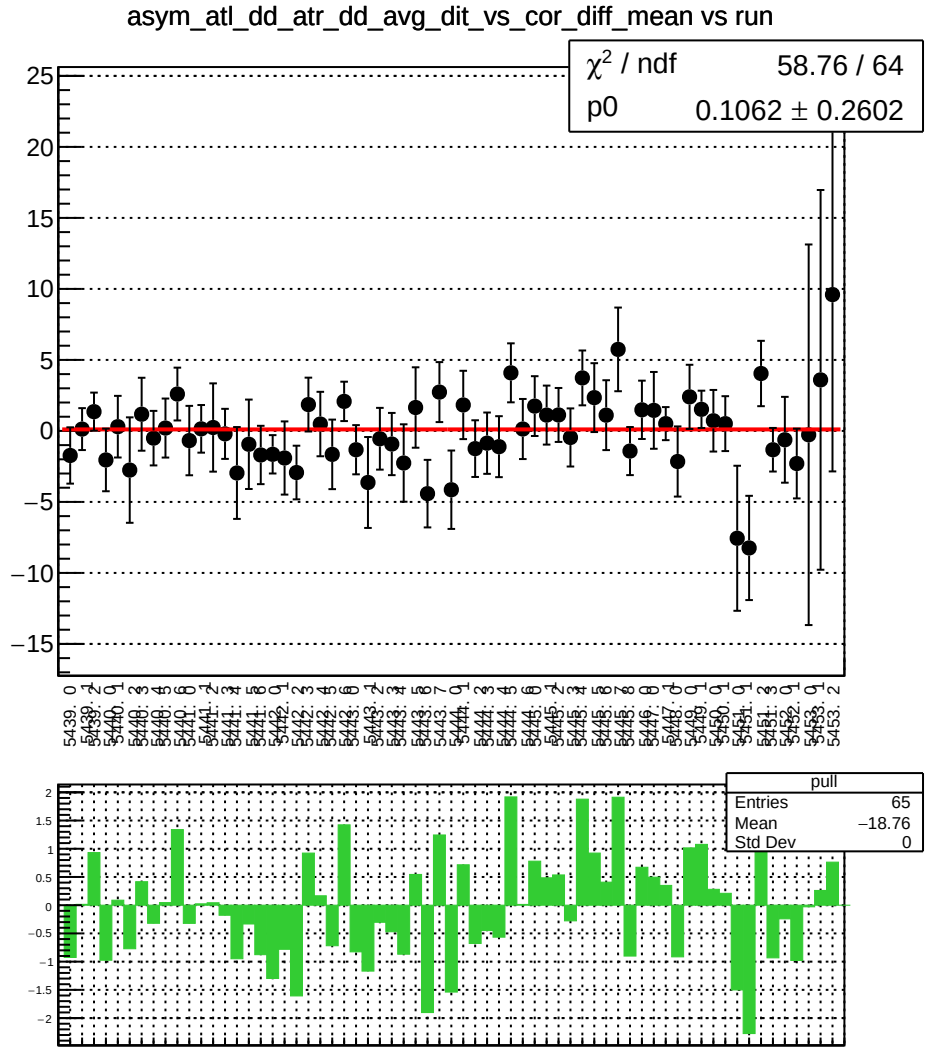

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 58.15 / 64
p0 7114 ± 6518
pull
Entries 65
Mean −623.8
Std Dev 0

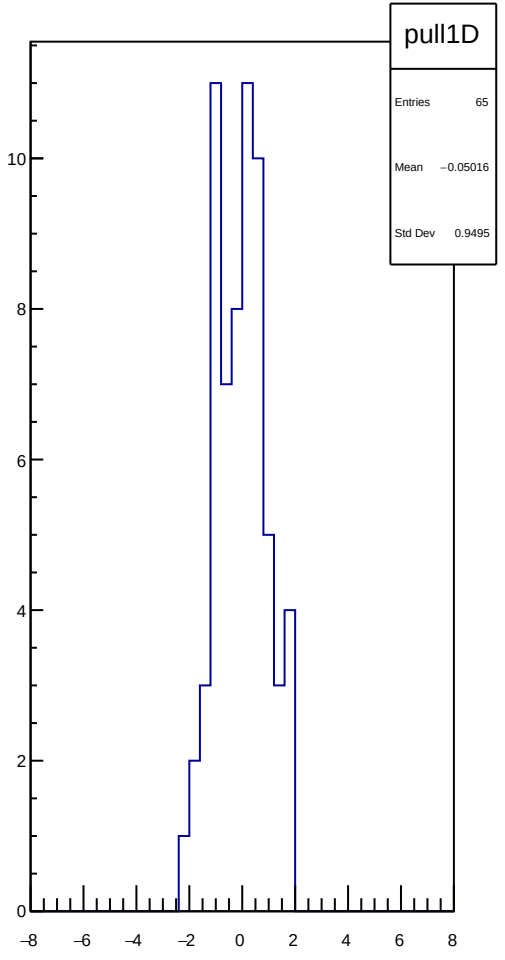

pull1D
Entries 65
Mean 0.001245
Std Dev 0.9458

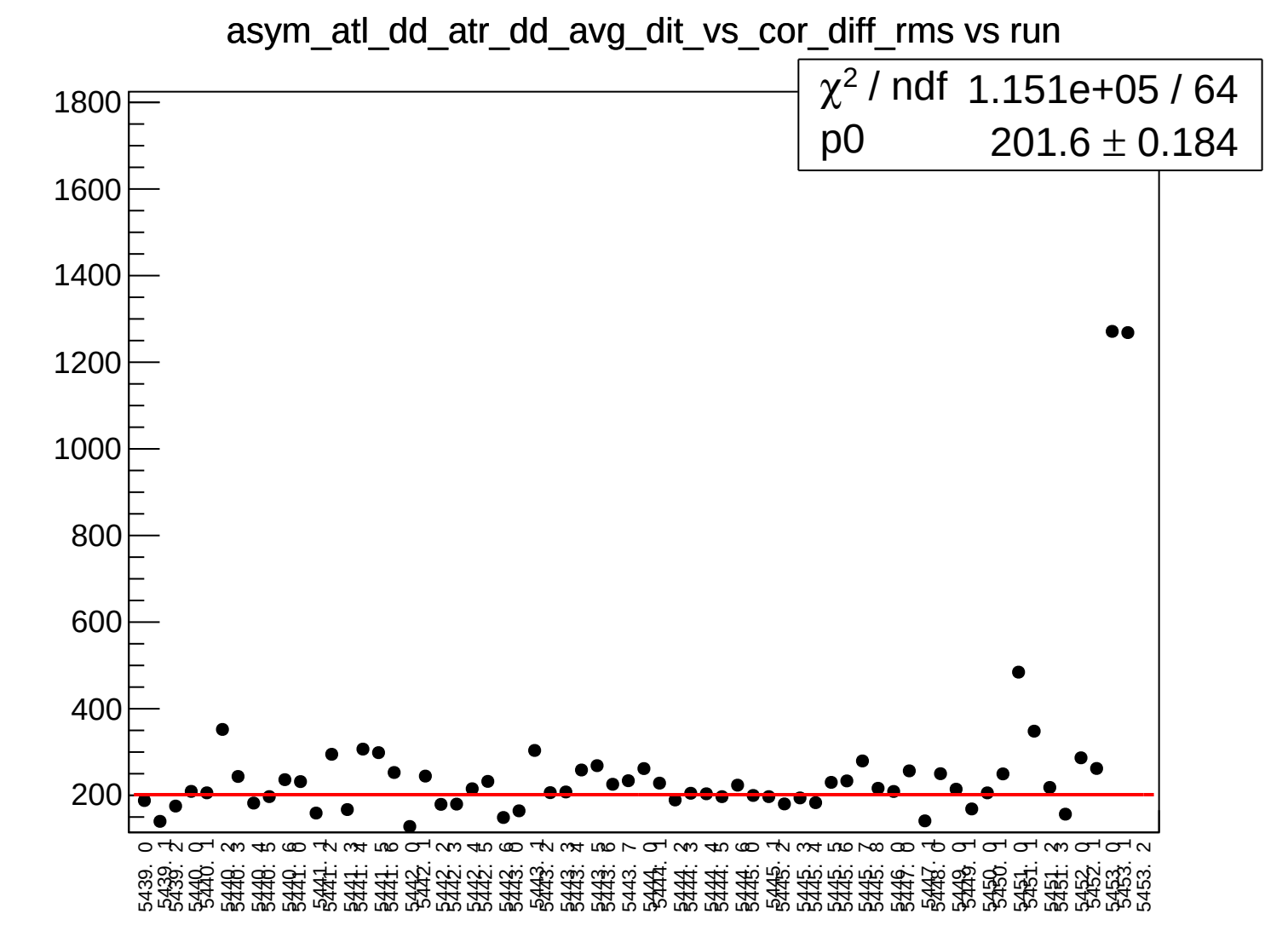

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2716 / 64
p0 5281 ± 4.609
6200
6000
5800
5600
5400
5200
5000
4800

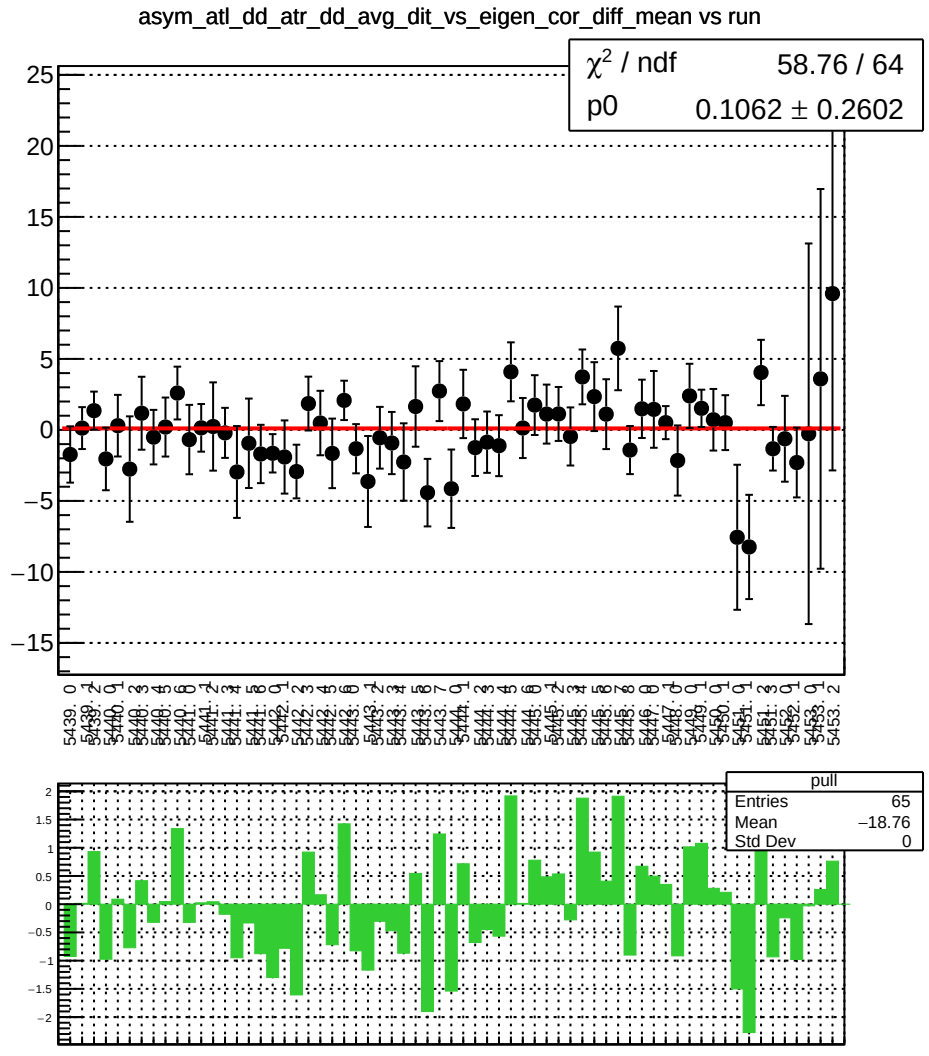

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.37 / 64
p0 −2.631e−13 ± 1.629e−13
pull
Entries 65
Mean 23.14
Std Dev 21.37
pull1D
Entries 65
Mean 0.0913
Std Dev 1.115

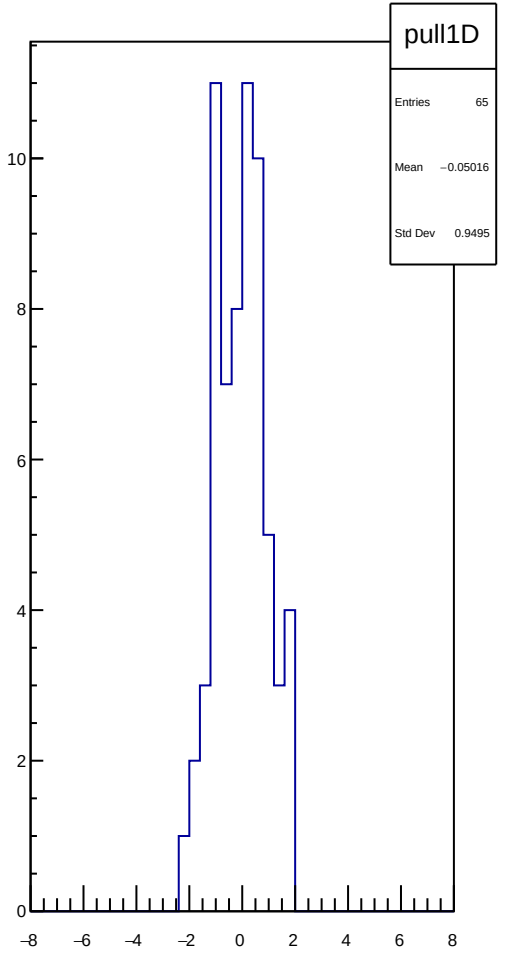

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.274e+05 / 64
p0 1.023e−10 ± 1.152e−13
100
80
60
40
20
0

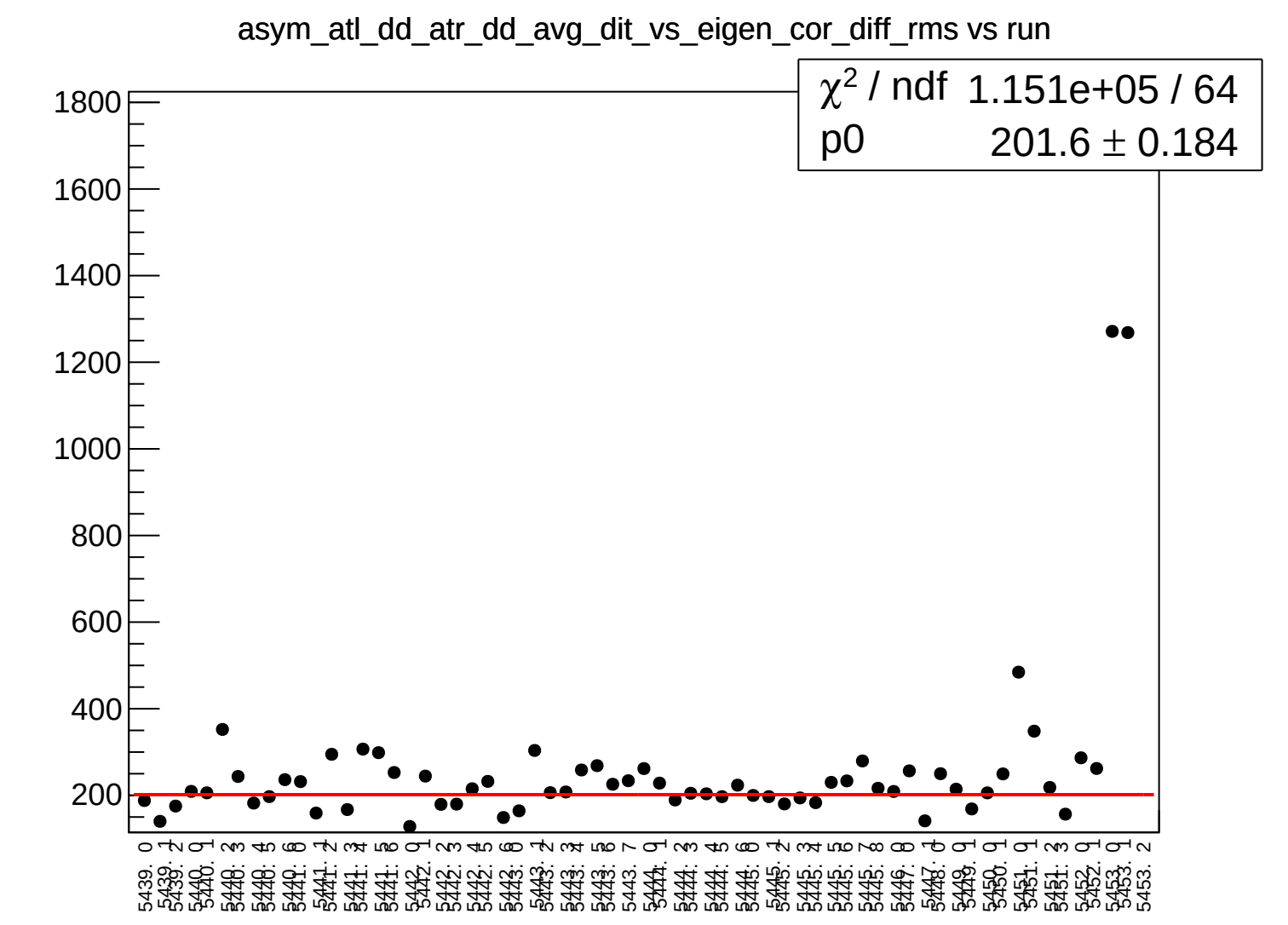

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.76
Std Dev 0

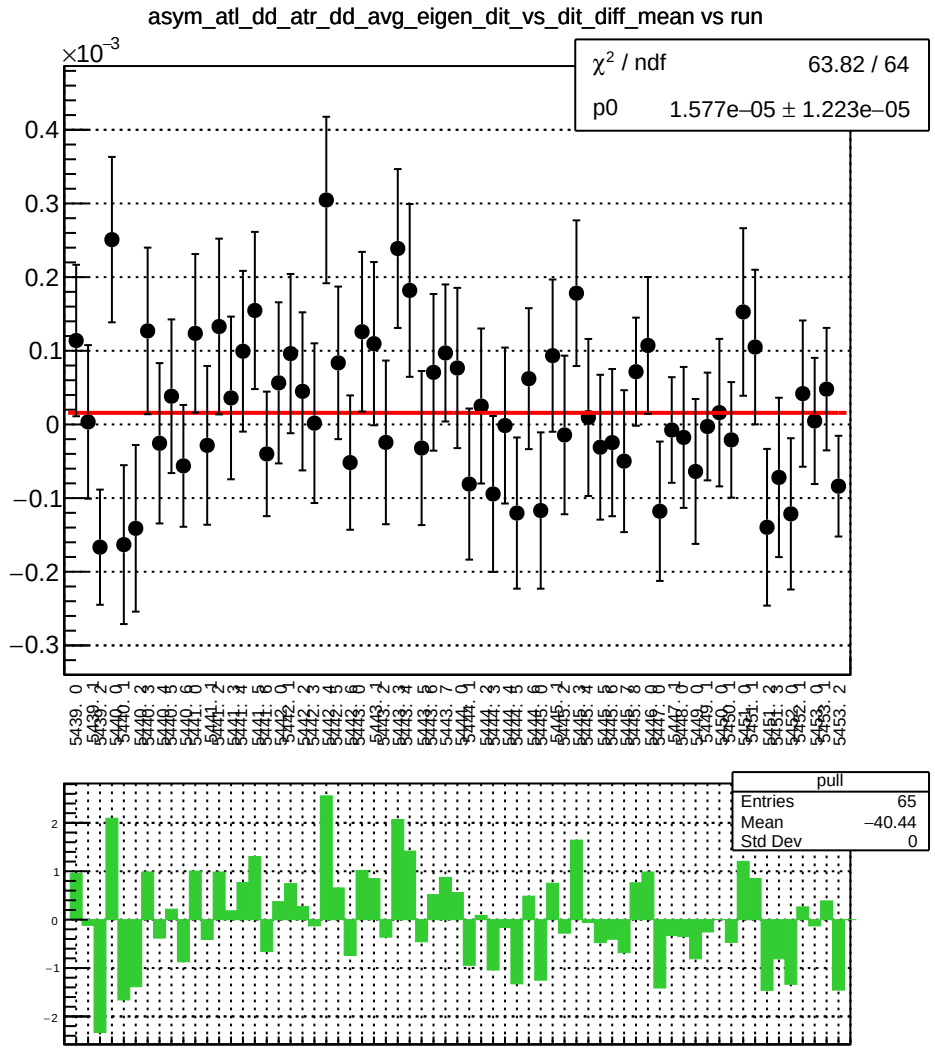

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

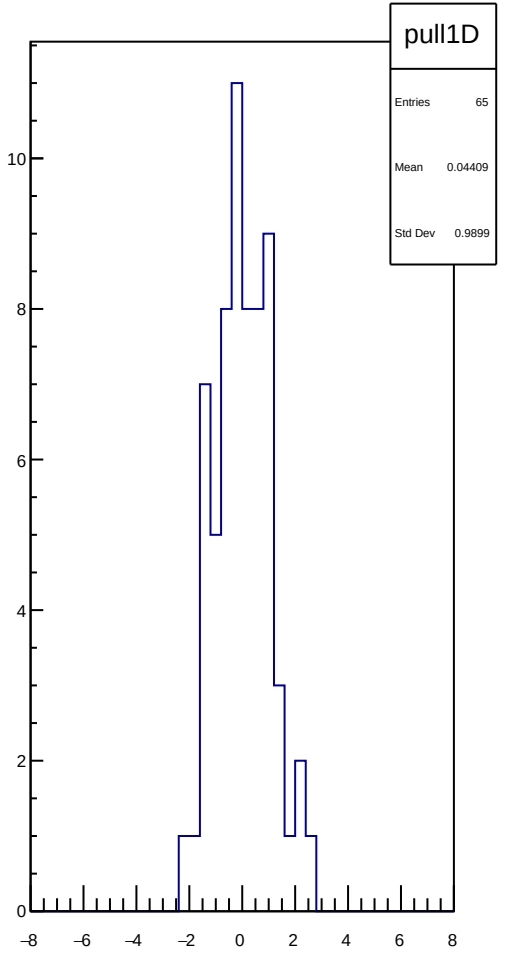

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

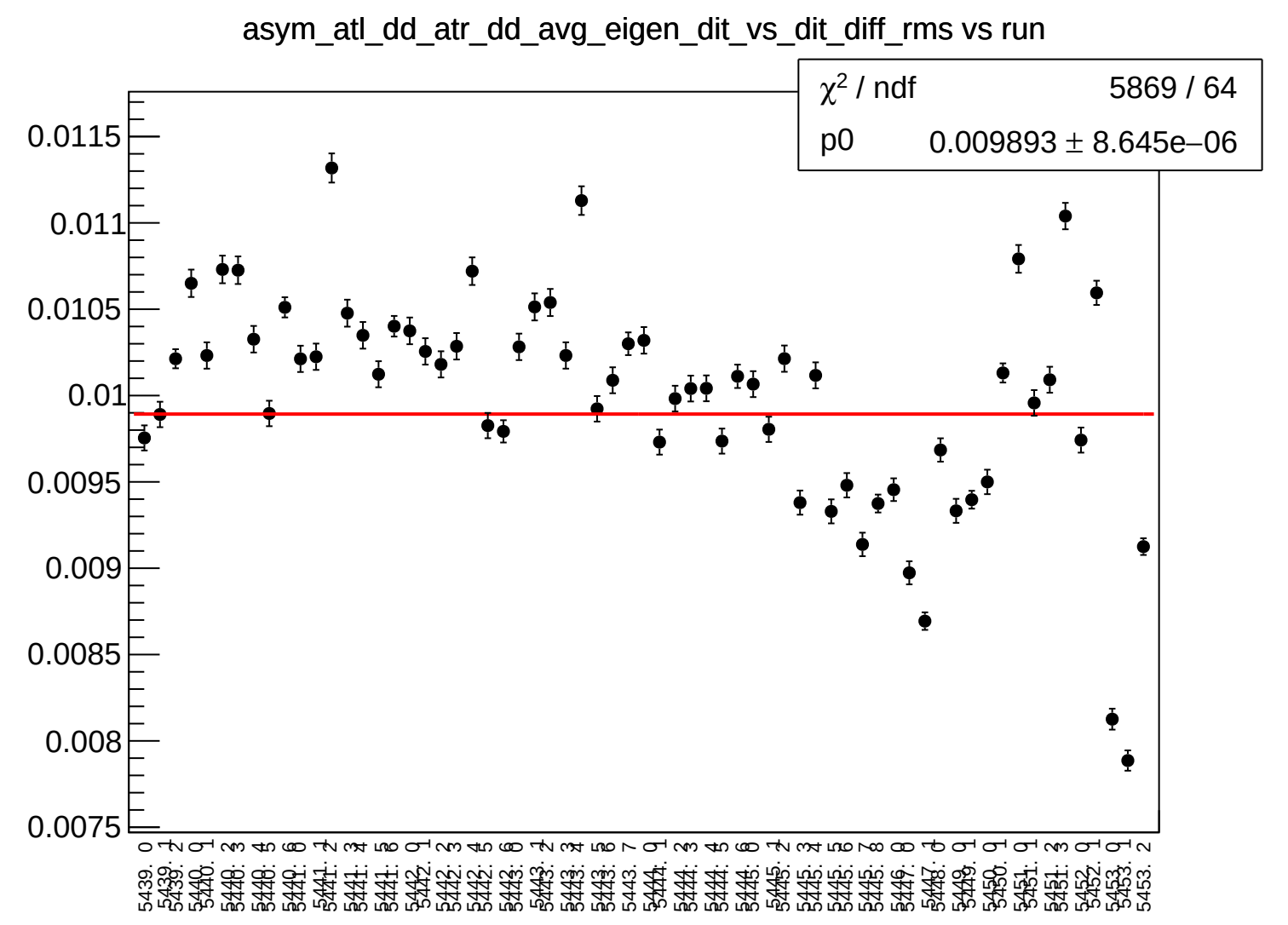

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.76
Std Dev 0

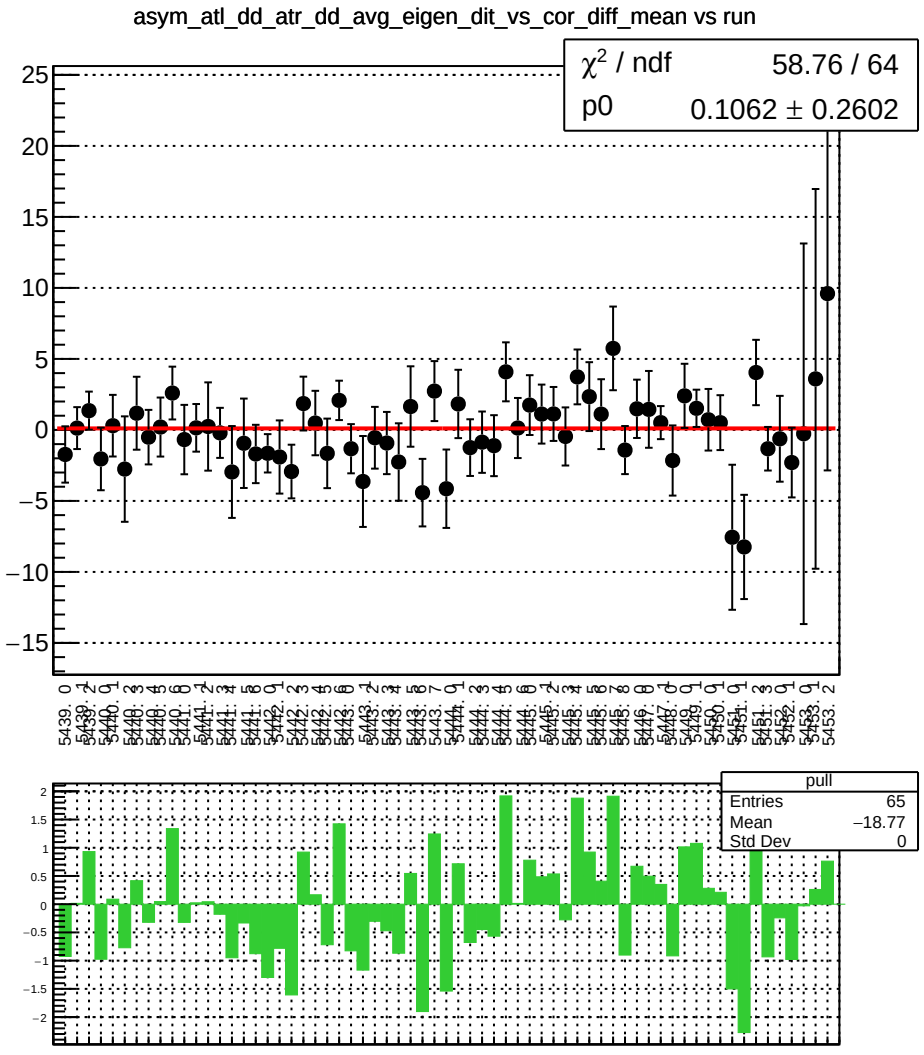

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

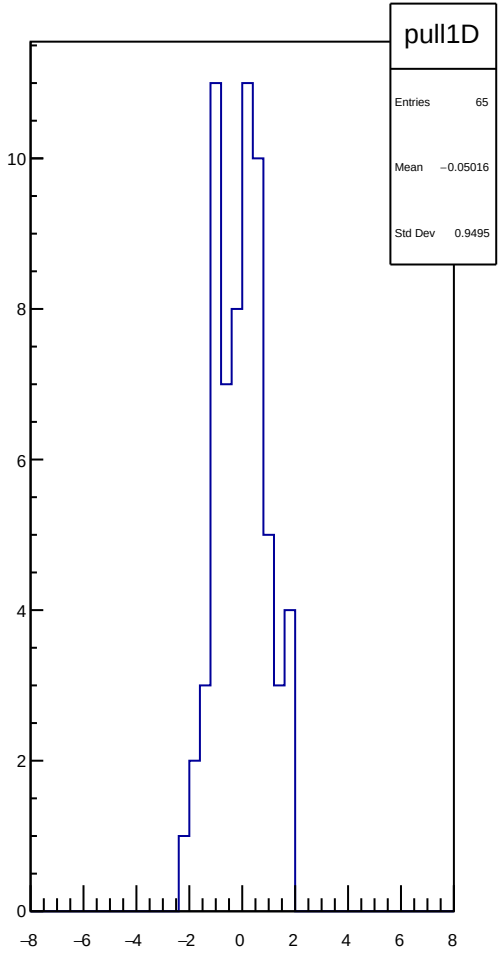

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

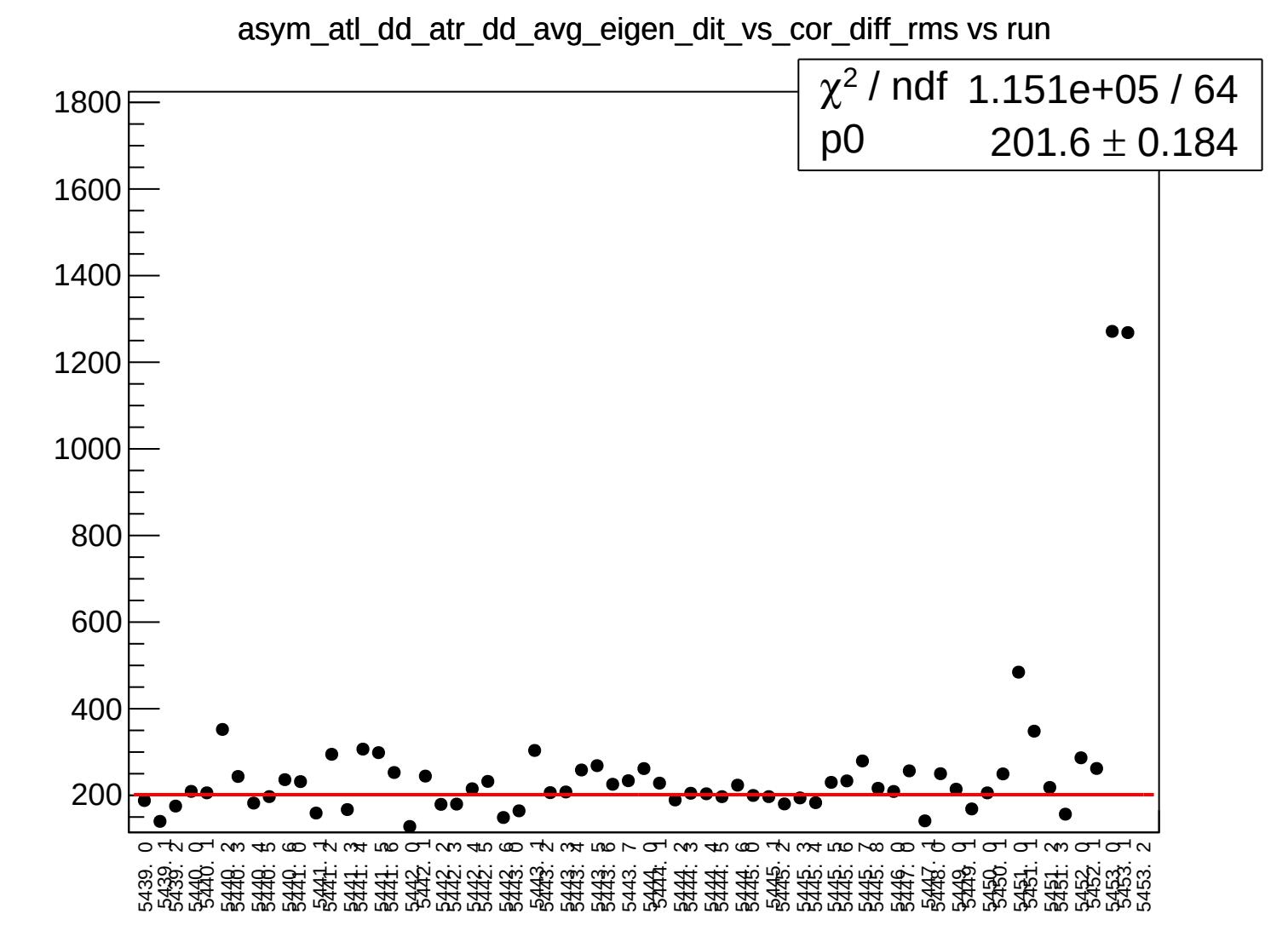

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.82 / 64
p0 1.577e−05 ± 1.223e−05
pull
Entries 65
Mean −40.44
Std Dev 0

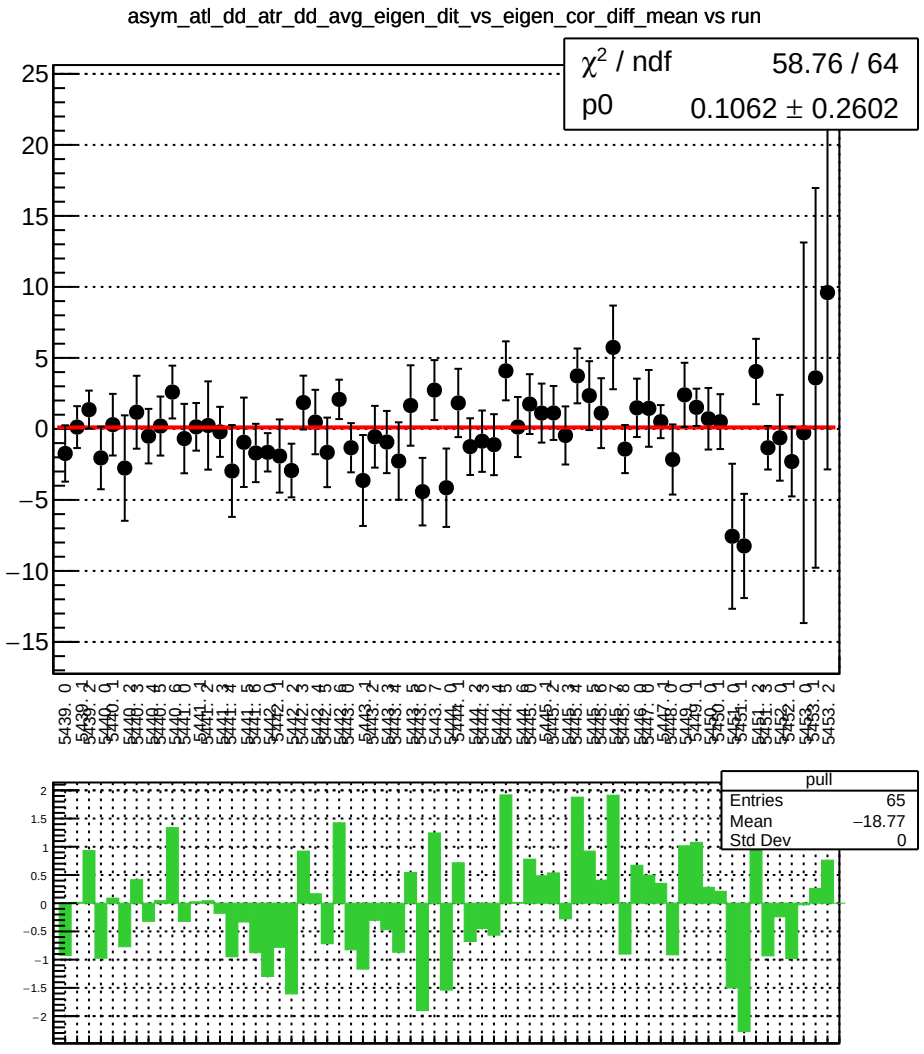

pull1D
Entries 65
Mean 0.04409
Std Dev 0.9899

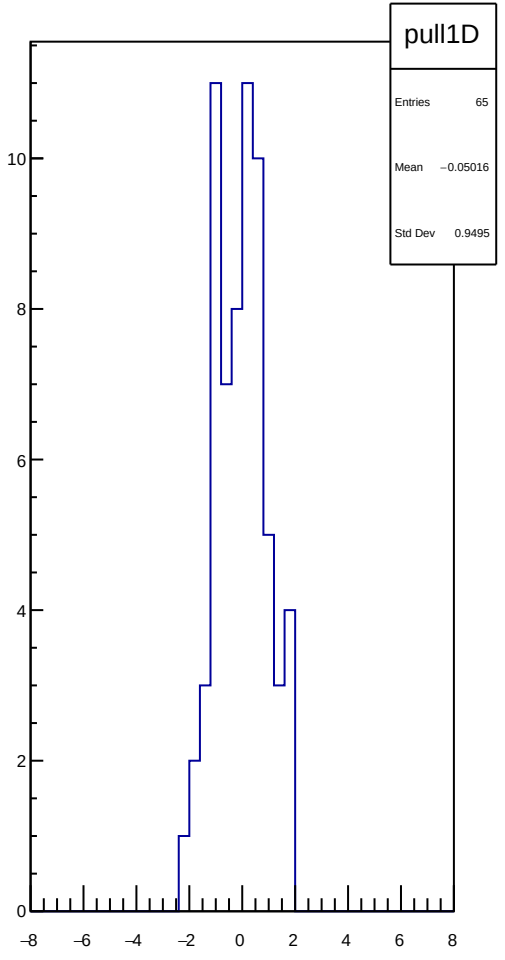

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5869 / 64
p0 0.009893 ± 8.645e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075

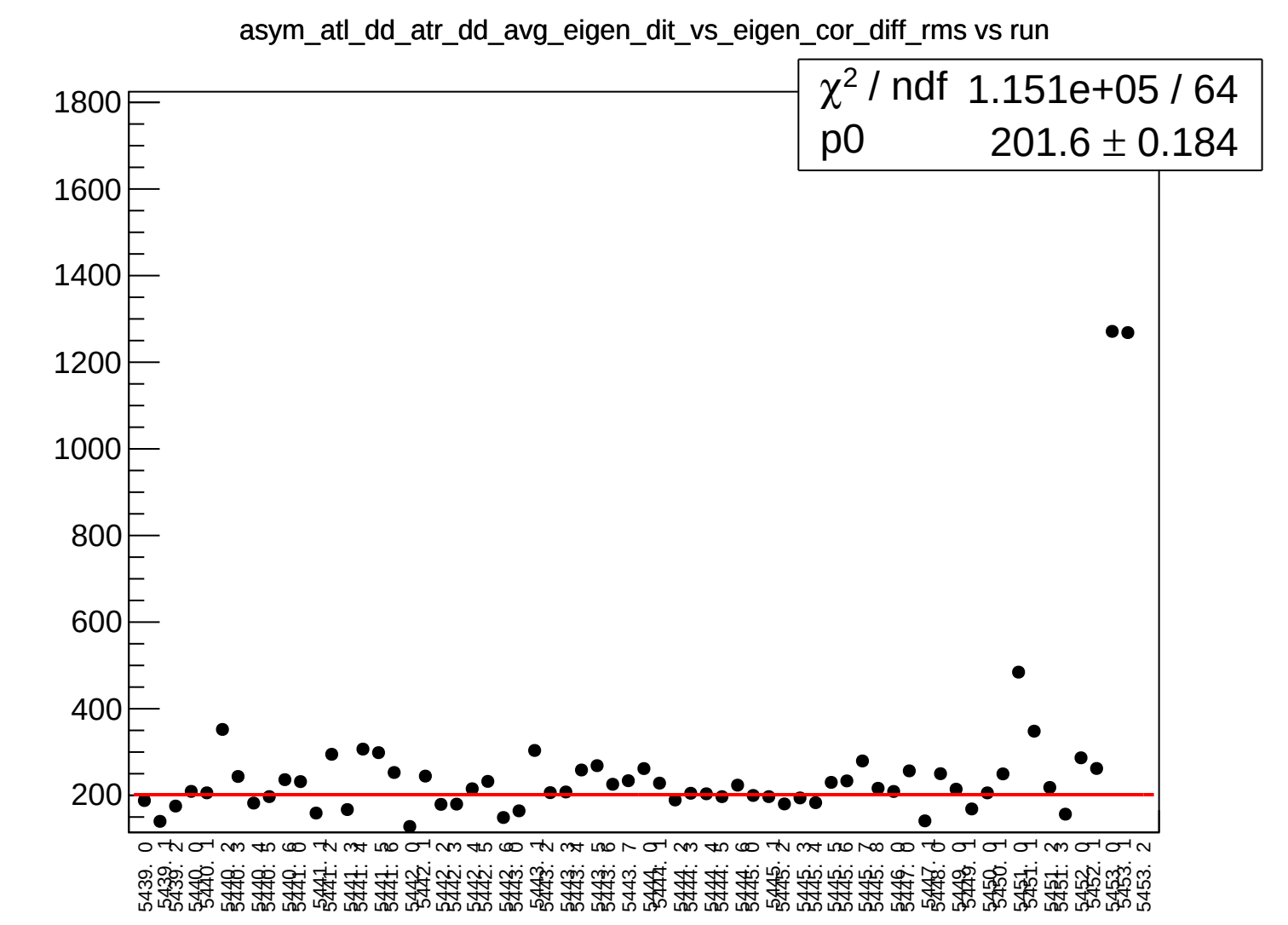

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.77
Std Dev 0

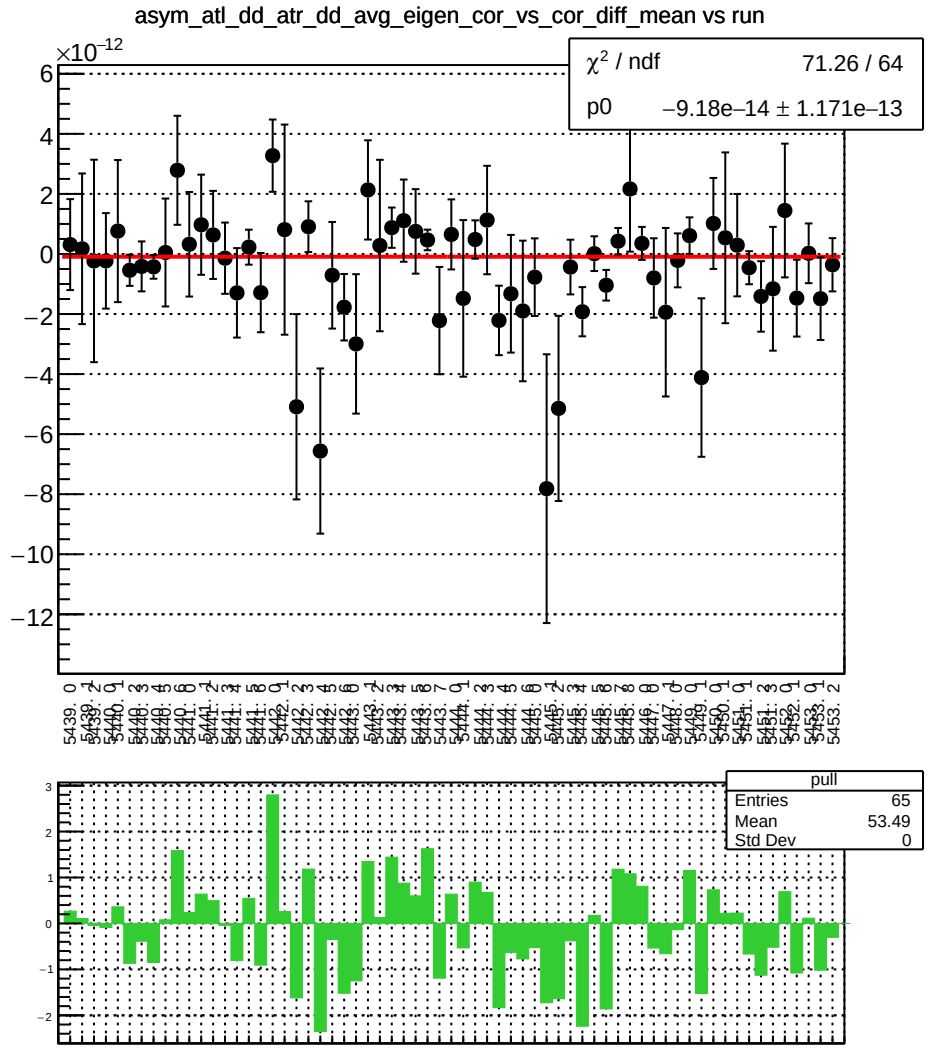

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

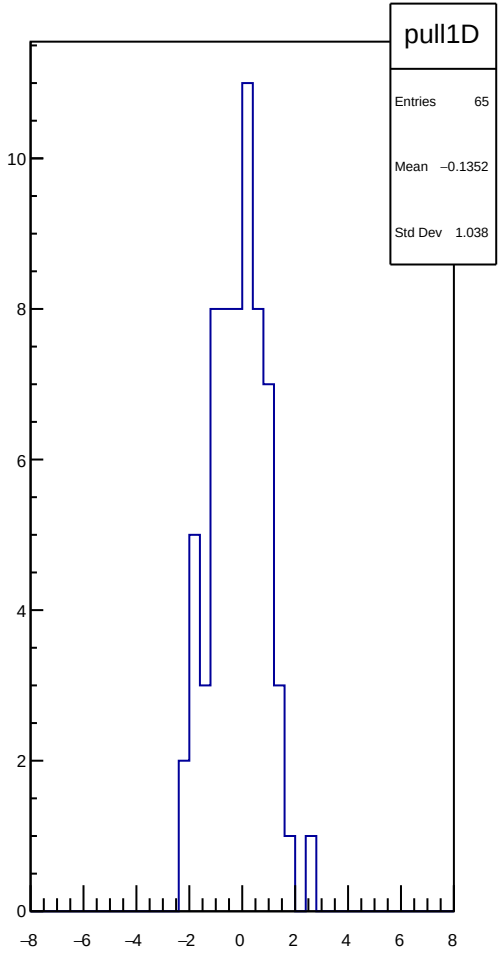

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

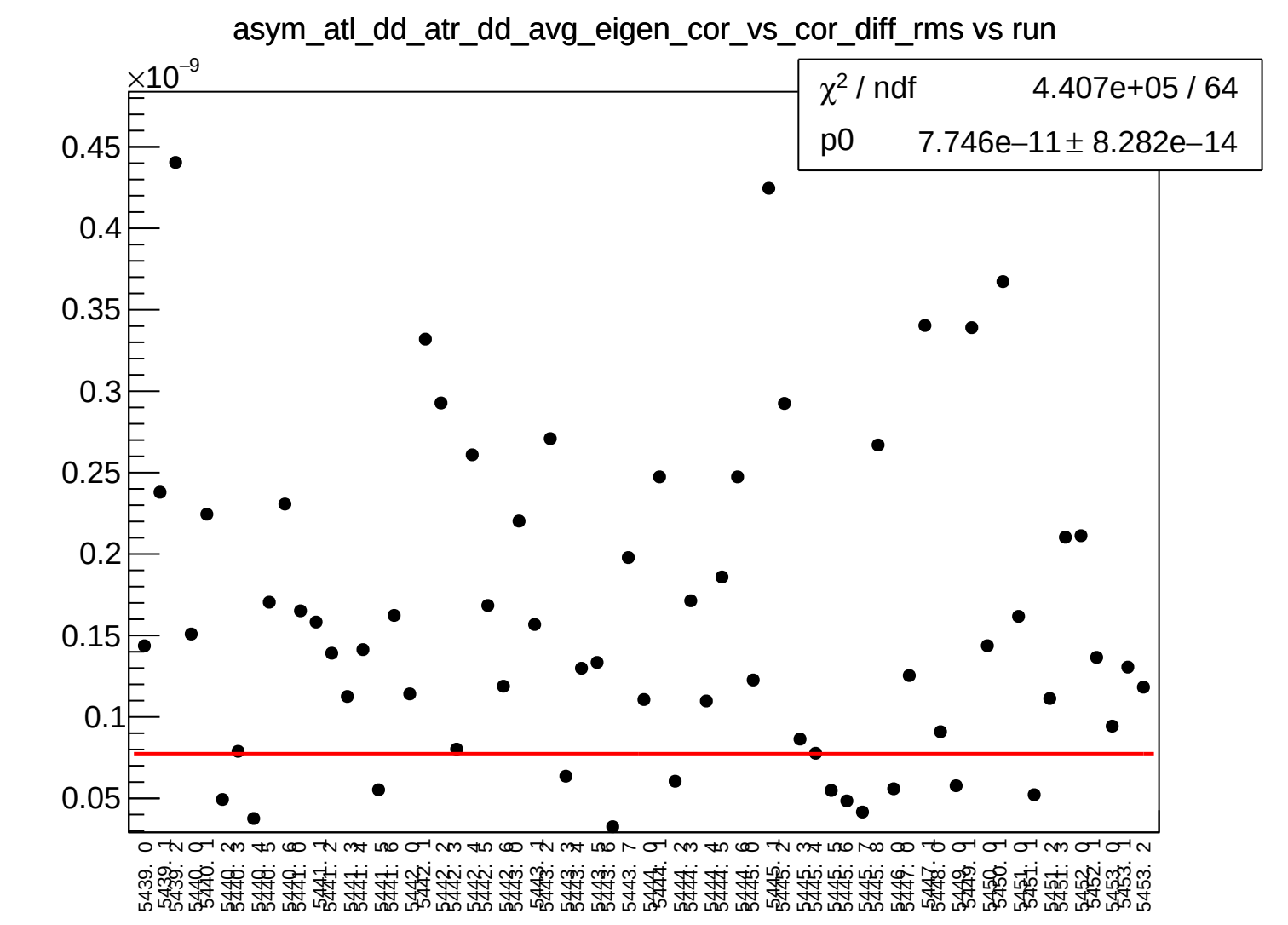

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.77
Std Dev 0

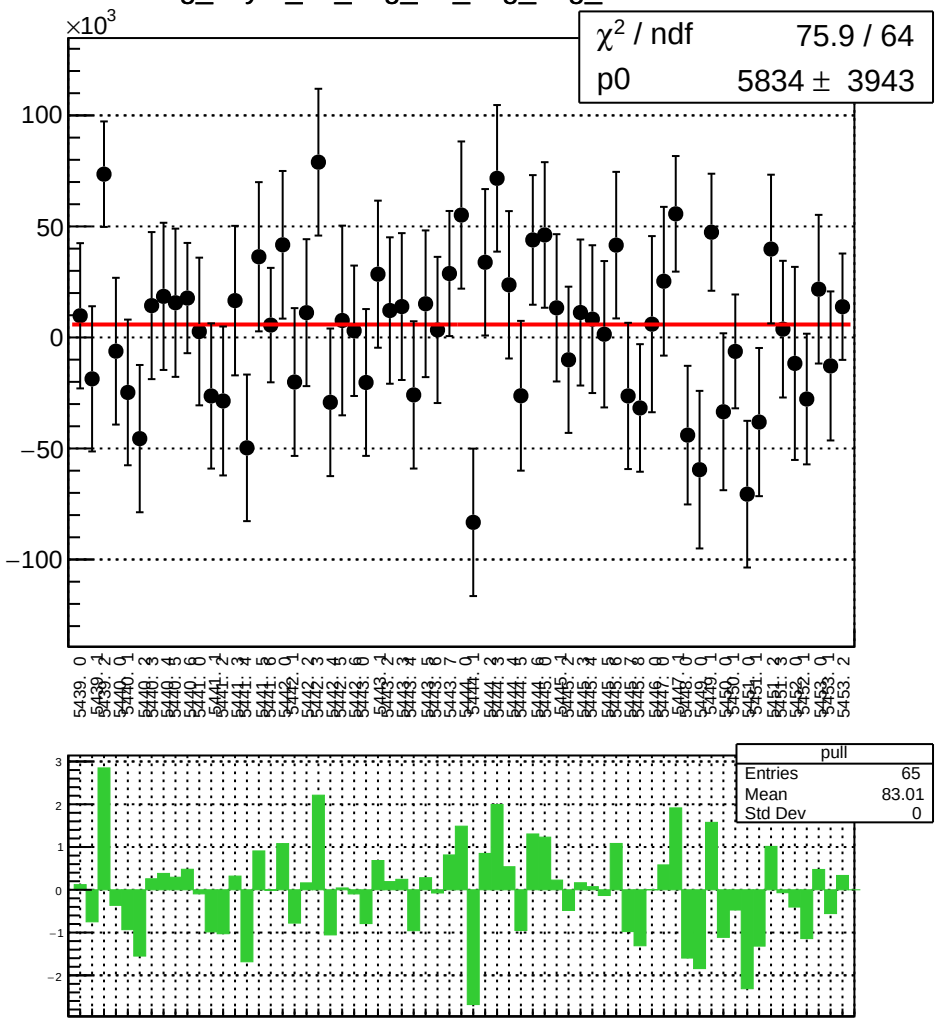

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

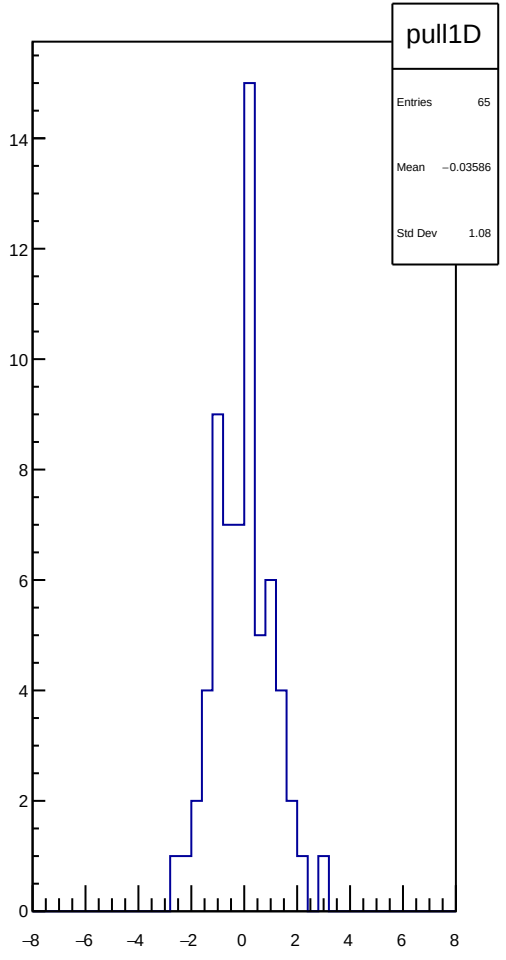

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

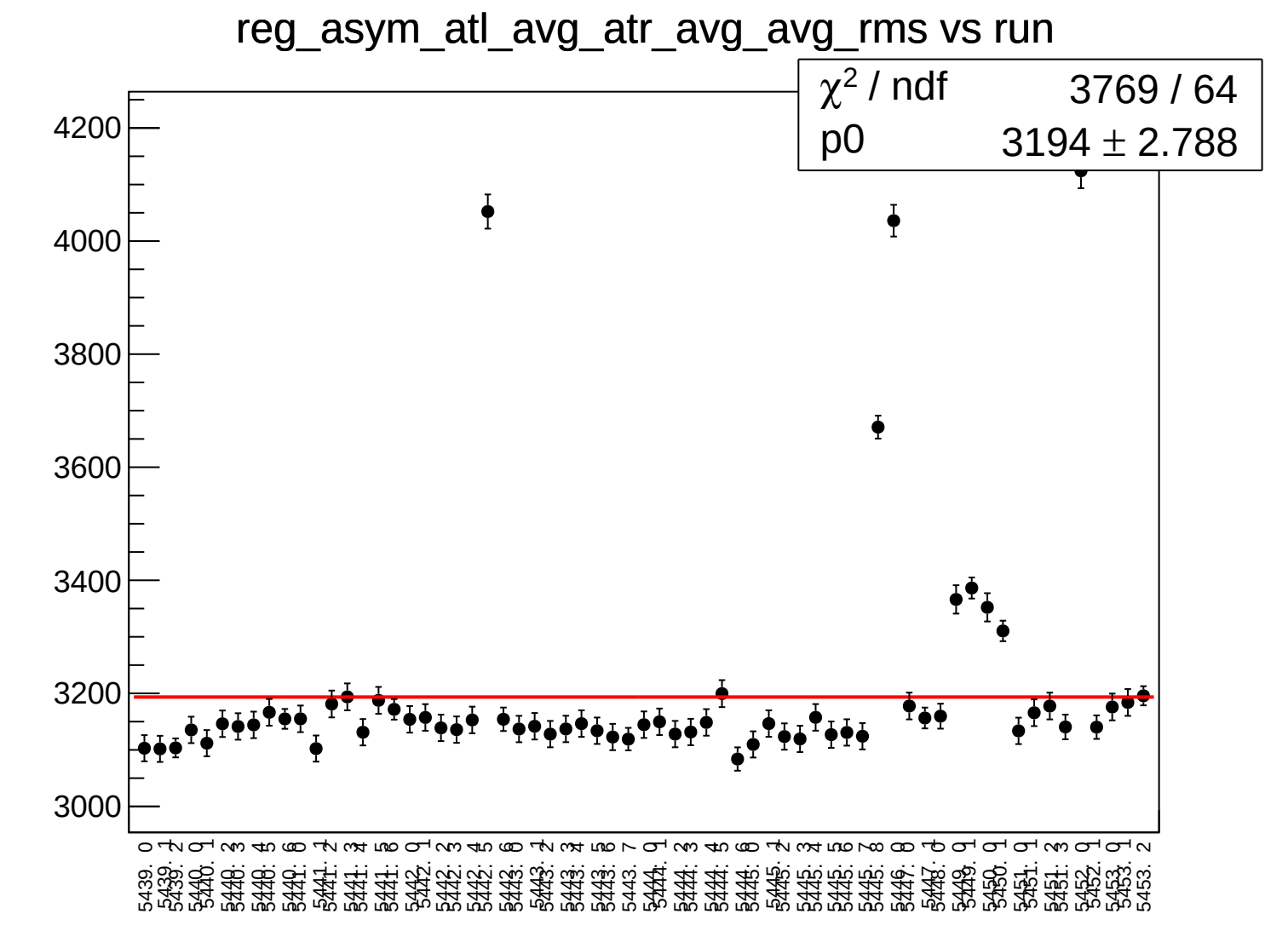

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 71.26 / 64
p0 −9.18e−14 ± 1.171e−13
pull
Entries 65
Mean 53.49
Std Dev 0

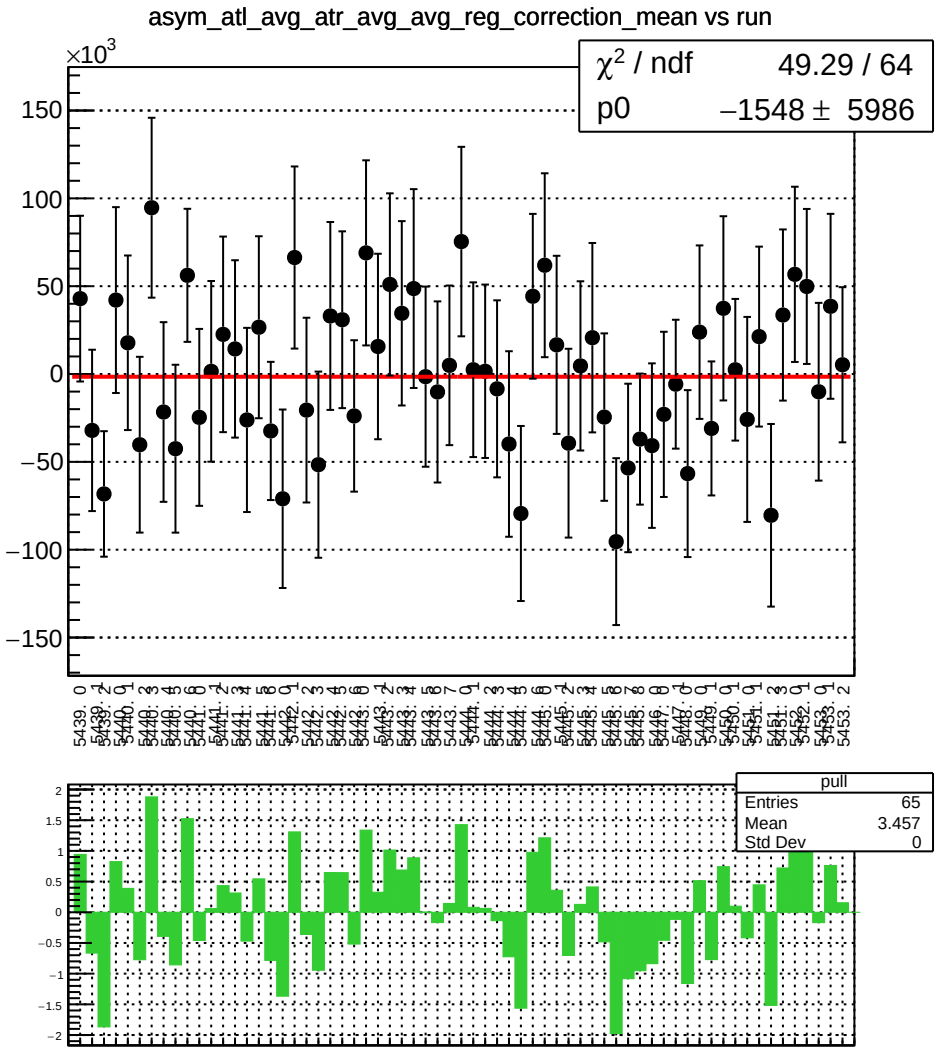

pull1D
Entries 65
Mean −0.1352
Std Dev 1.038

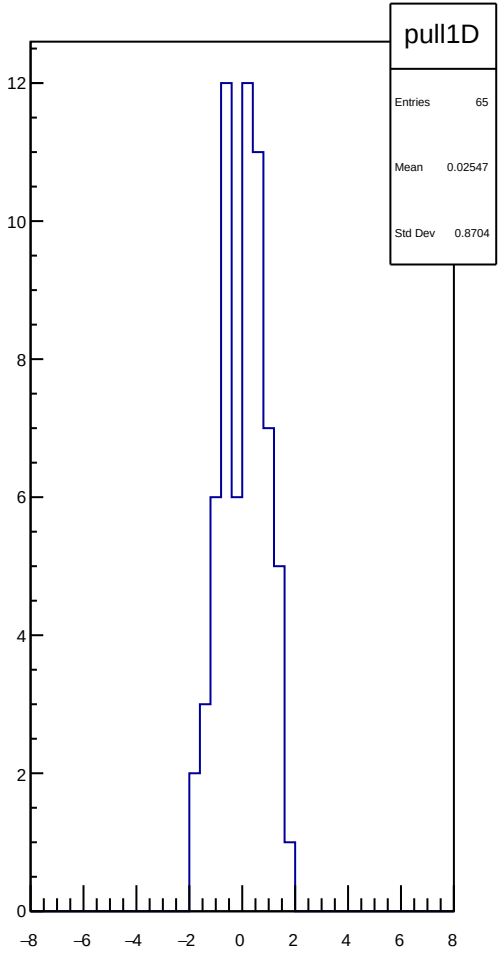

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.407e+05 / 64
p0 7.746e−11 ± 8.282e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

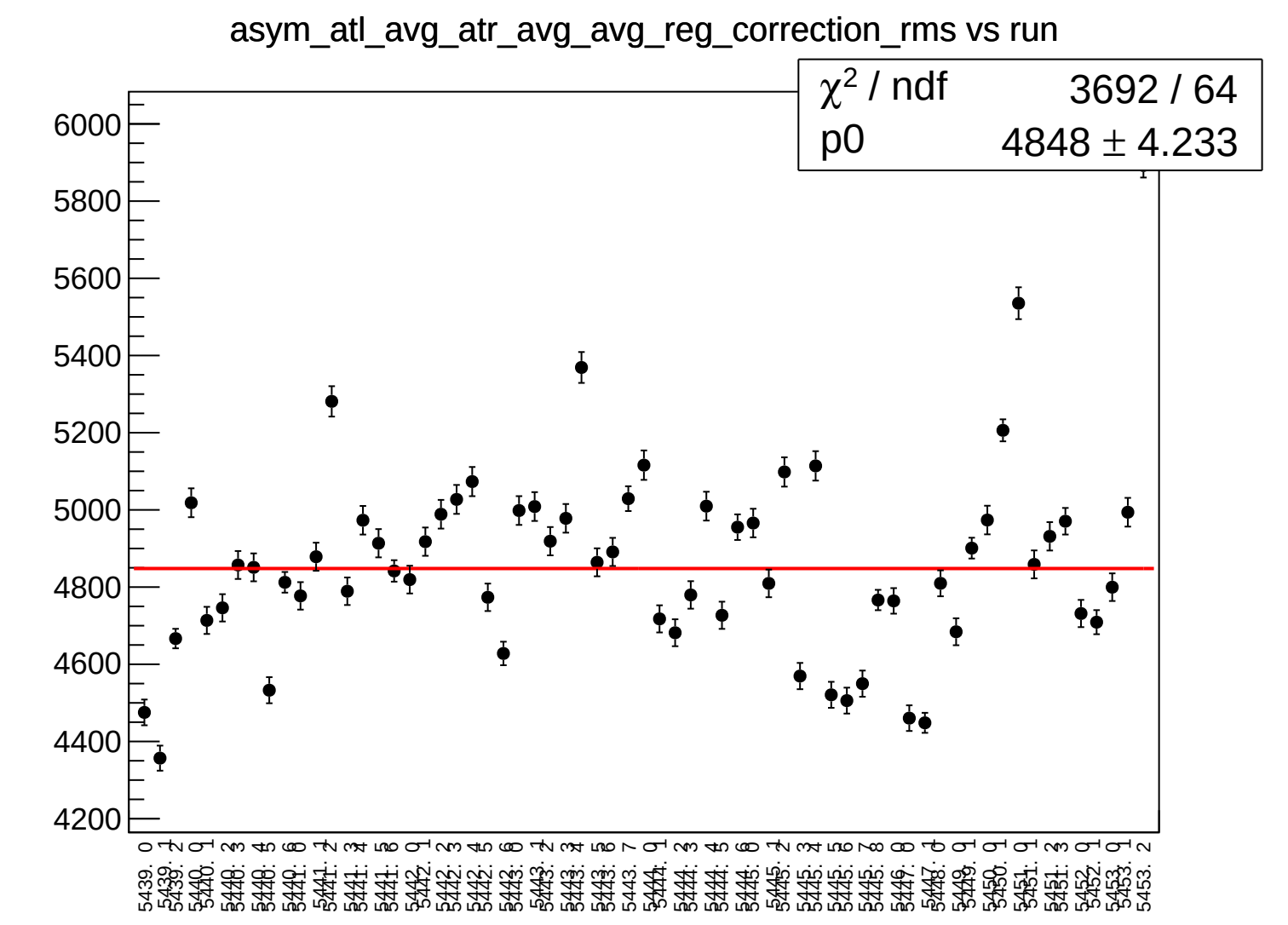

reg_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 75.9 / 64
p0 5834 ± 3943
100
50
0
−50
−100
pull
Entries 65
Mean 83.01
Std Dev 0
3
2
1
0
−1
−2

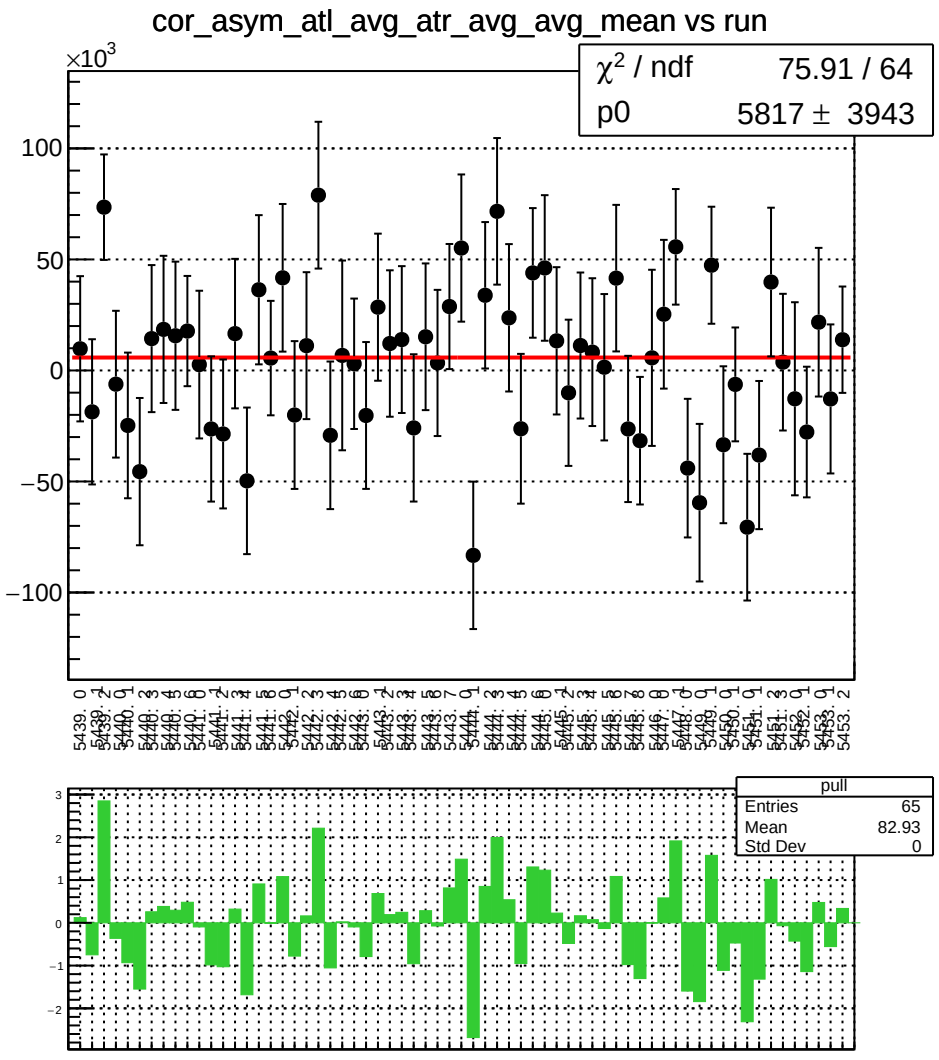

pull1D
Entries 65
Mean −0.03586
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

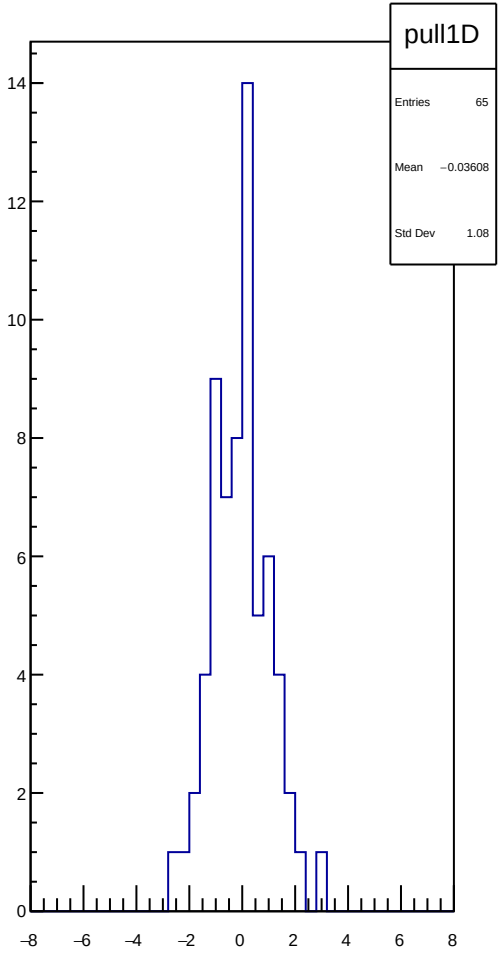

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3769 / 64
p0 3194 ± 2.788
4200
4000
3800
3600
3400
3200
3000

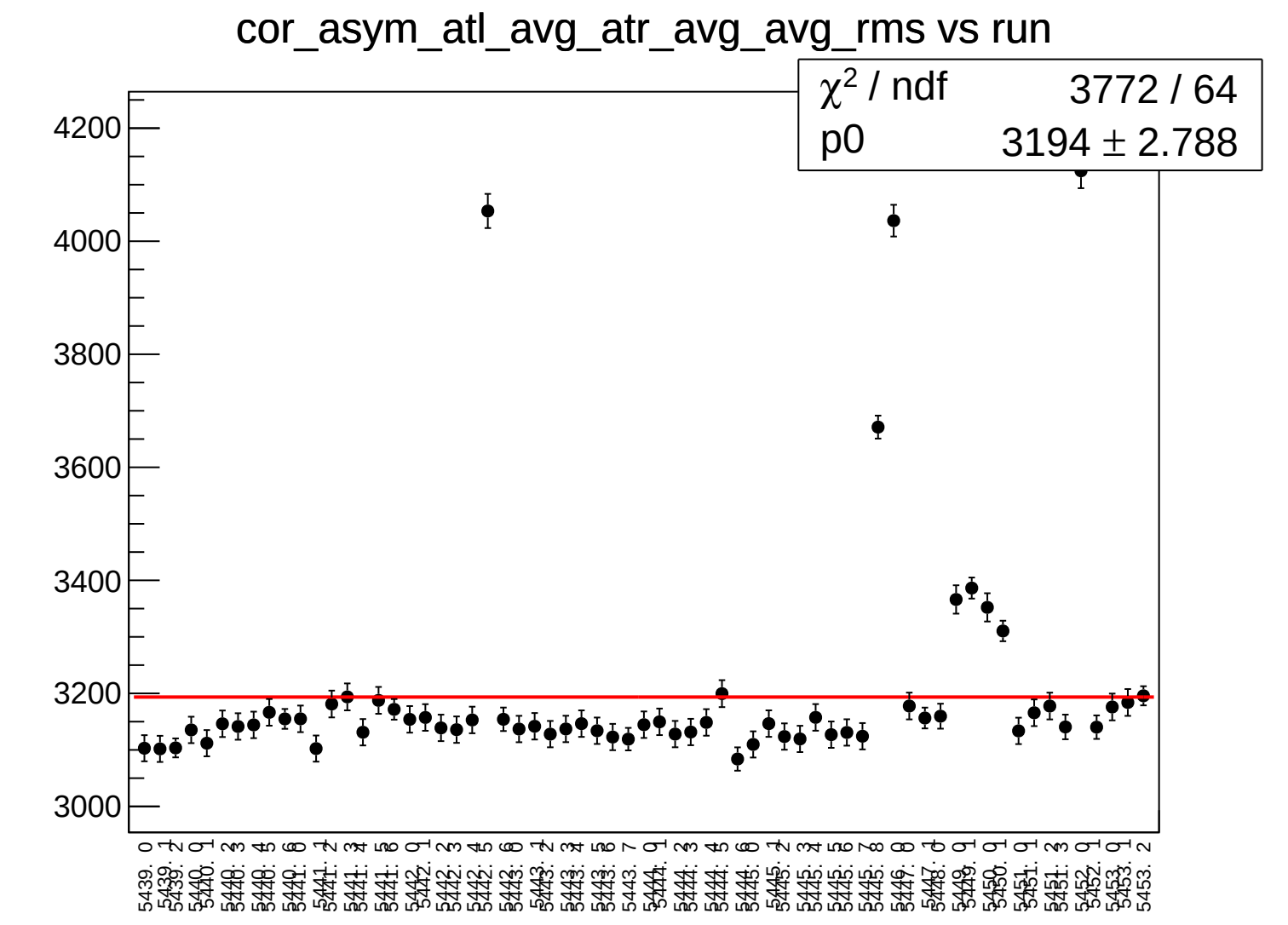

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.29 / 64
p0 −1548 ± 5986
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 3.457
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

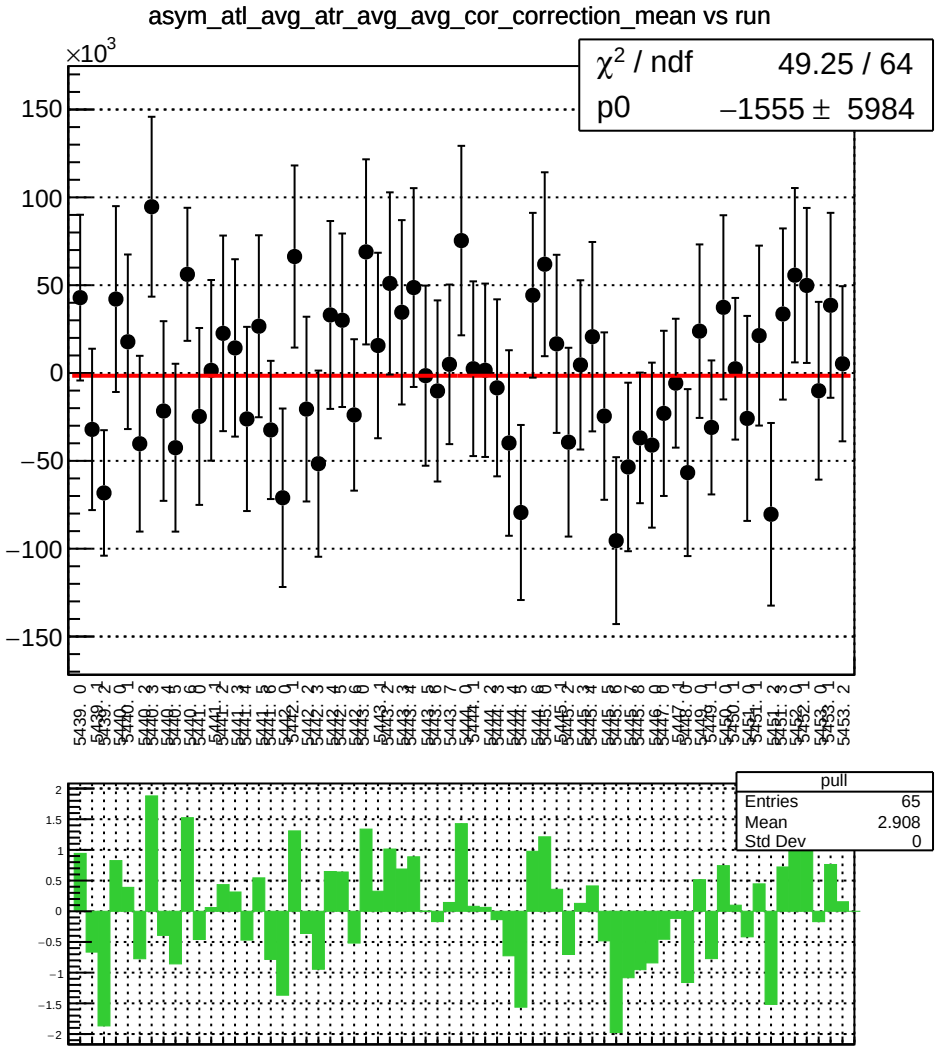

pull1D
Entries 65
Mean 0.02547
Std Dev 0.8704
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

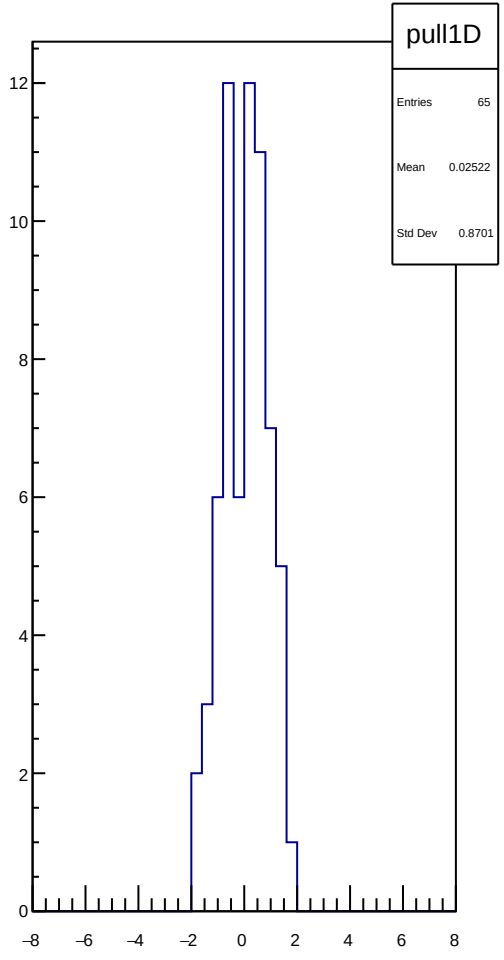

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 3692 / 64
p0 4848 ± 4.233
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

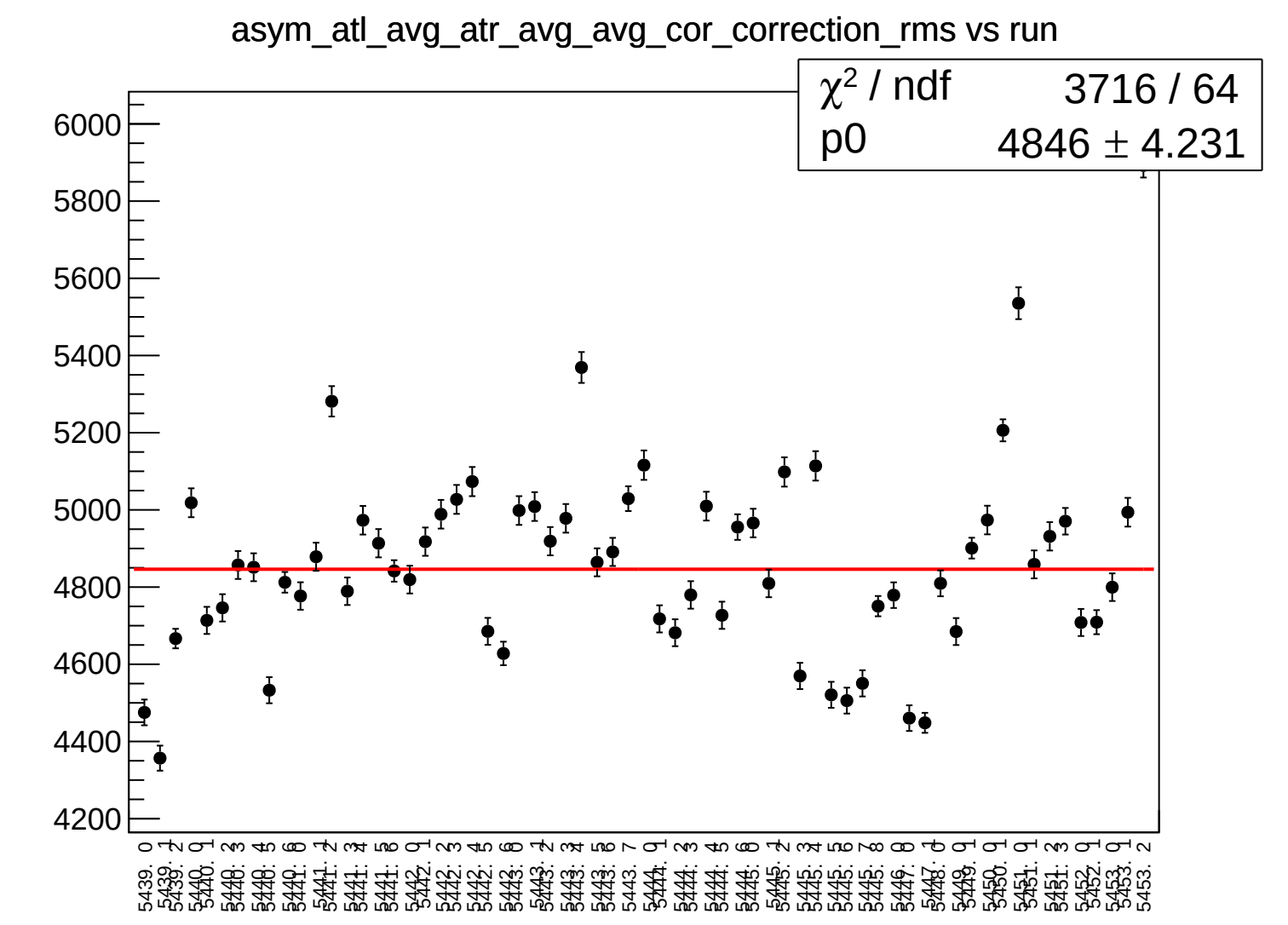

cor_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 75.91 / 64
p0 5817 ± 3943
100
50
0
−50
−100
pull
Entries 65
Mean 82.93
Std Dev 0
3
2
1
0
−1
−2

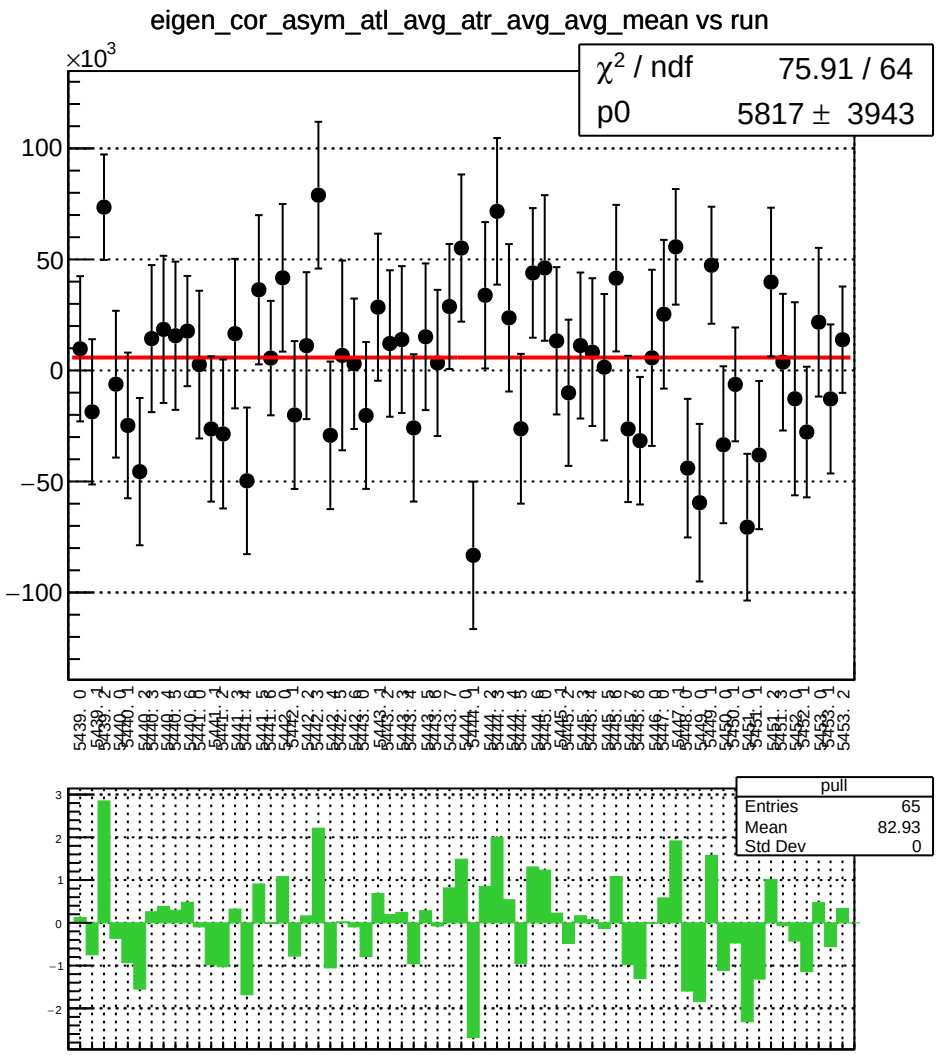

pull1D
Entries 65
Mean −0.03608
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

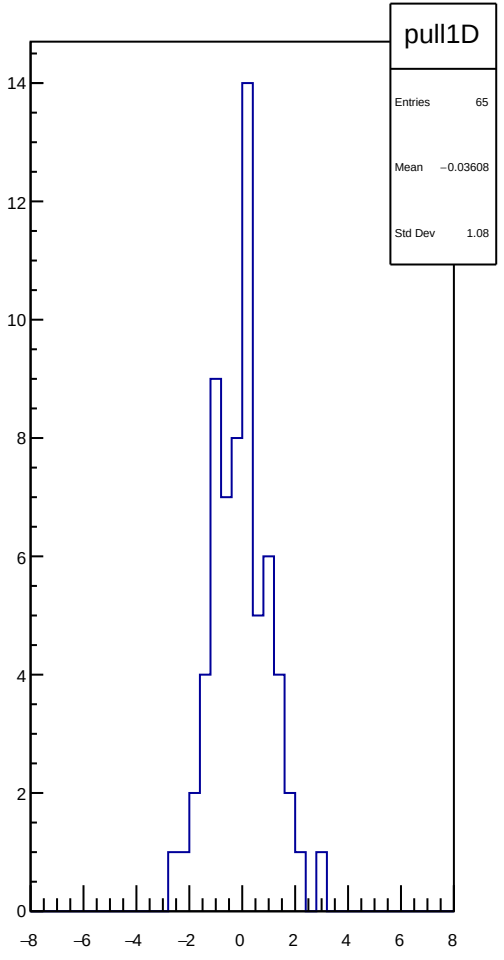

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3772 / 64
p0 3194 ± 2.788
4200
4000
3800
3600
3400
3200
3000

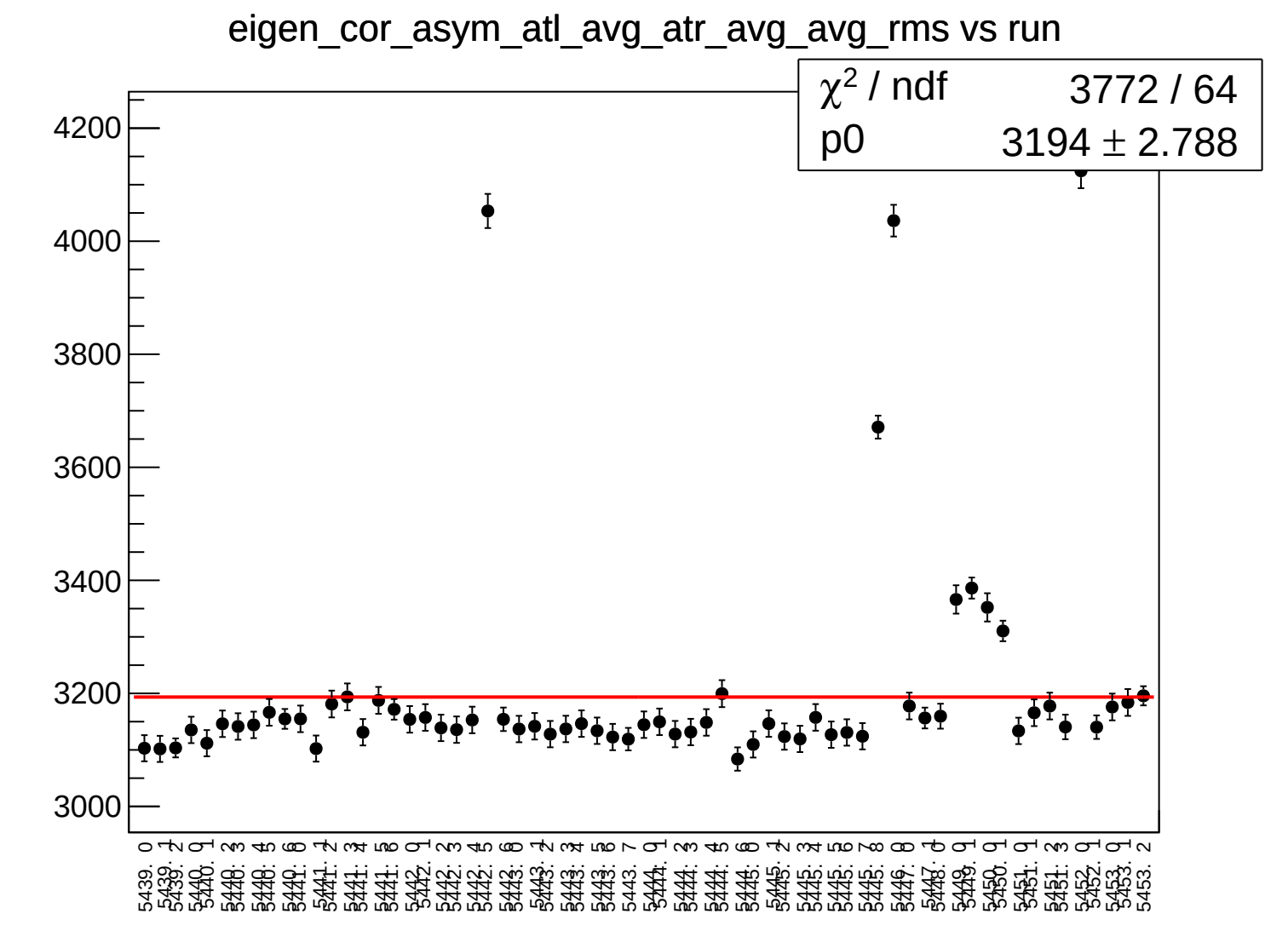

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.25 / 64
p0 −1555 ± 5984
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 2.908
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

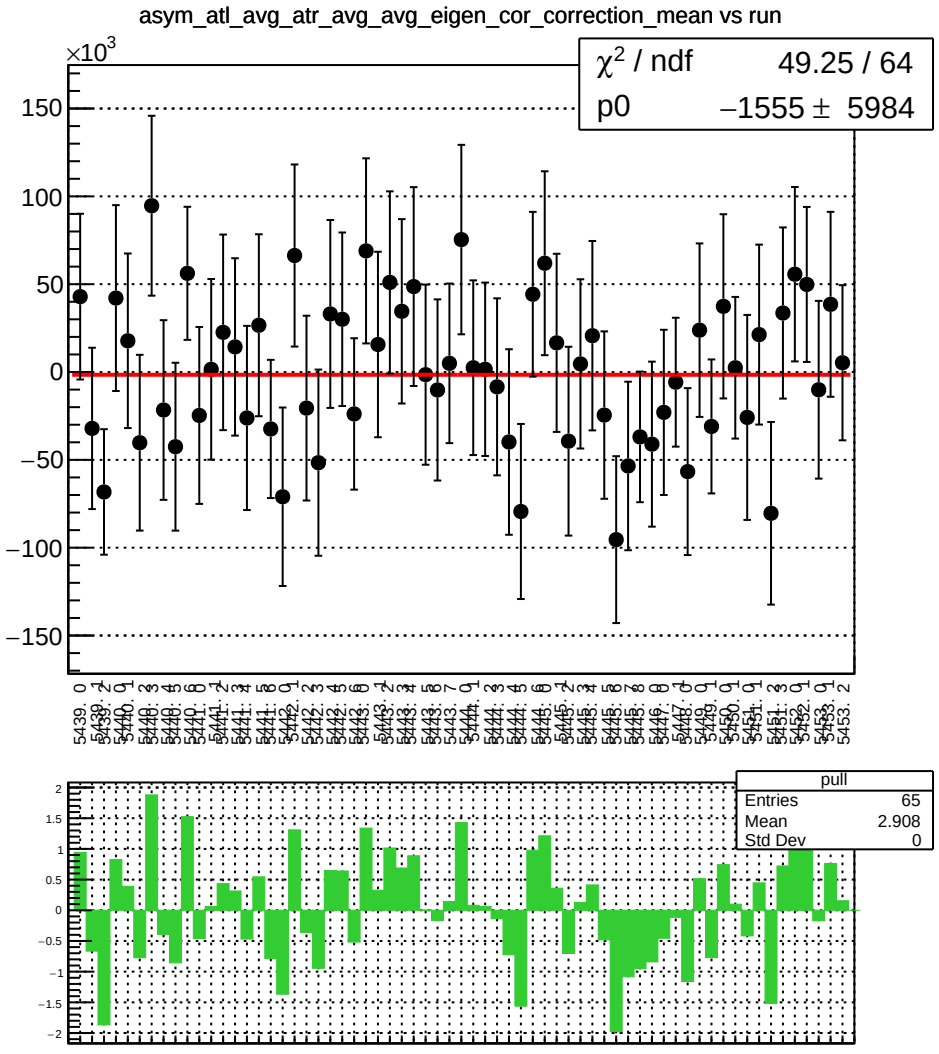

pull1D
Entries 65
Mean 0.02522
Std Dev 0.8701
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

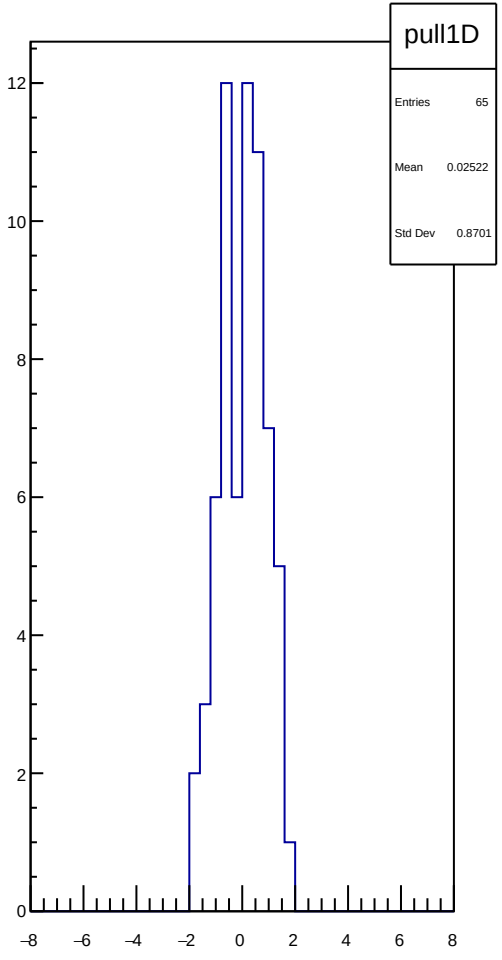

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 3716 / 64
p0 4846 ± 4.231
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

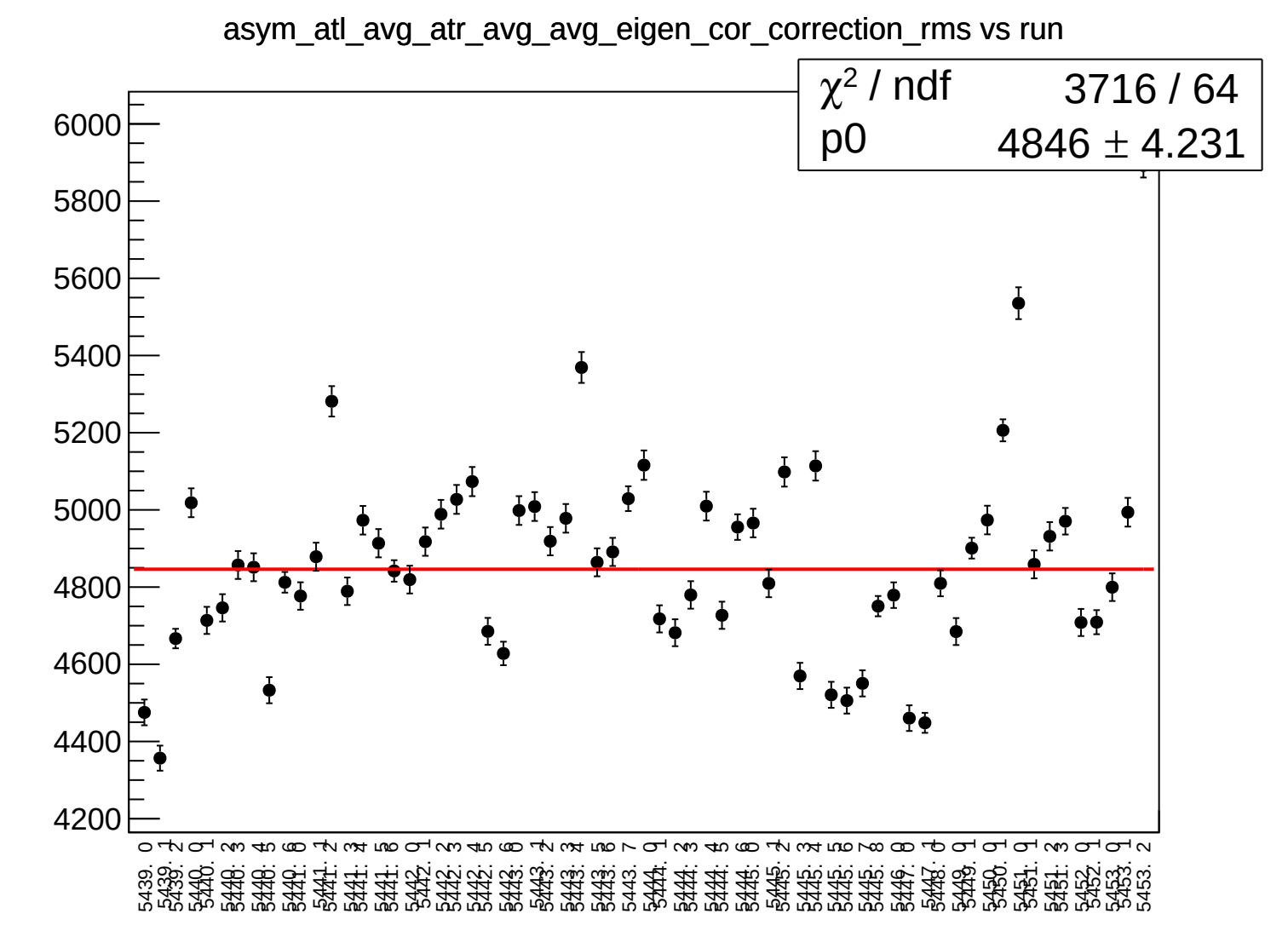

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 75.91 / 64
p0 5817 ± 3943
100
50
0
−50
−100
pull
Entries 65
Mean 82.93
Std Dev 0
3
2
1
0
−1
−2

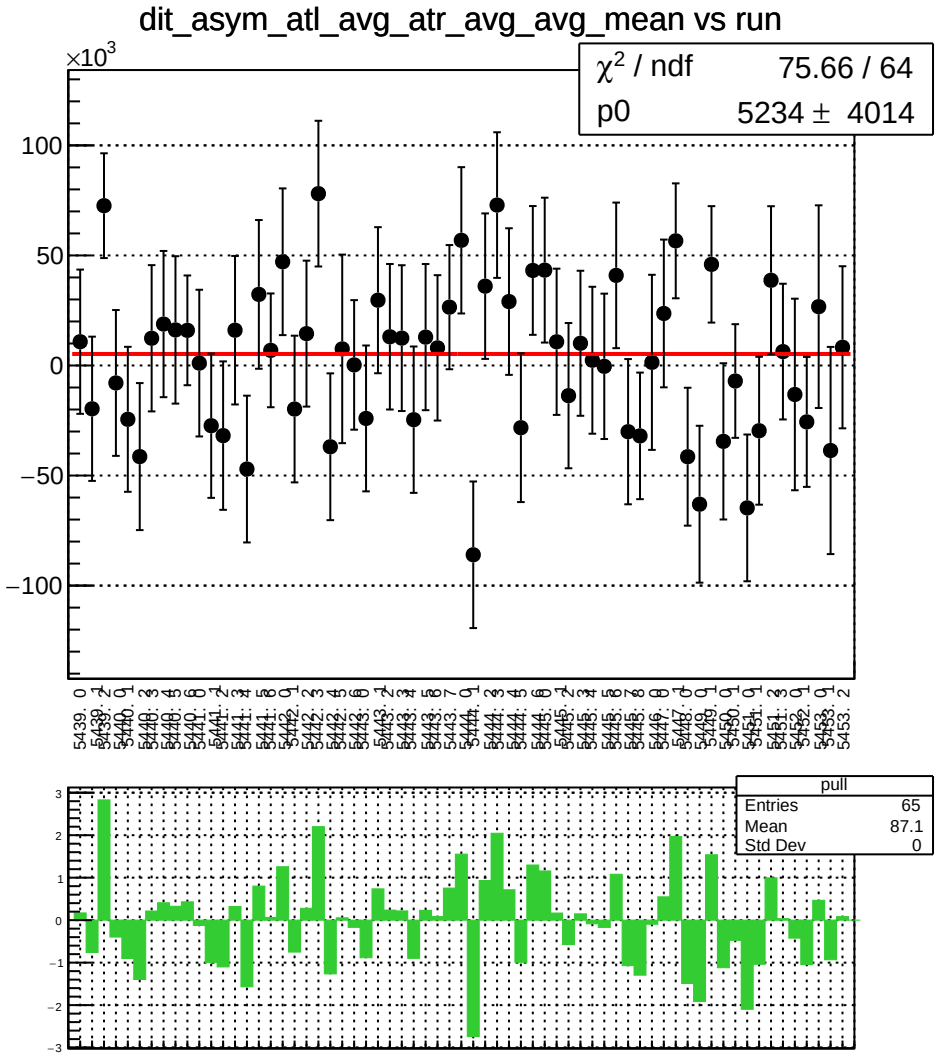

pull1D
Entries 65
Mean −0.03608
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

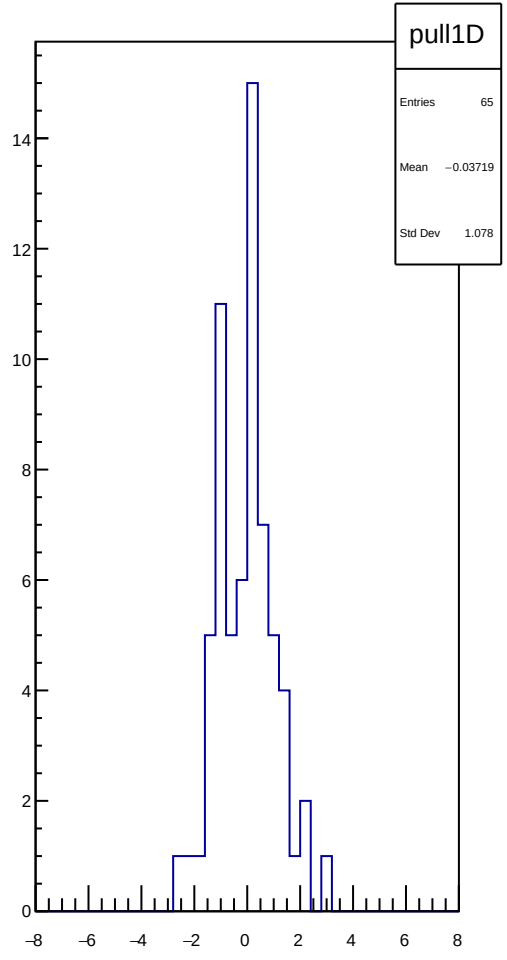

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3772 / 64
p0 3194 ± 2.788
4200
4000
3800
3600
3400
3200
3000

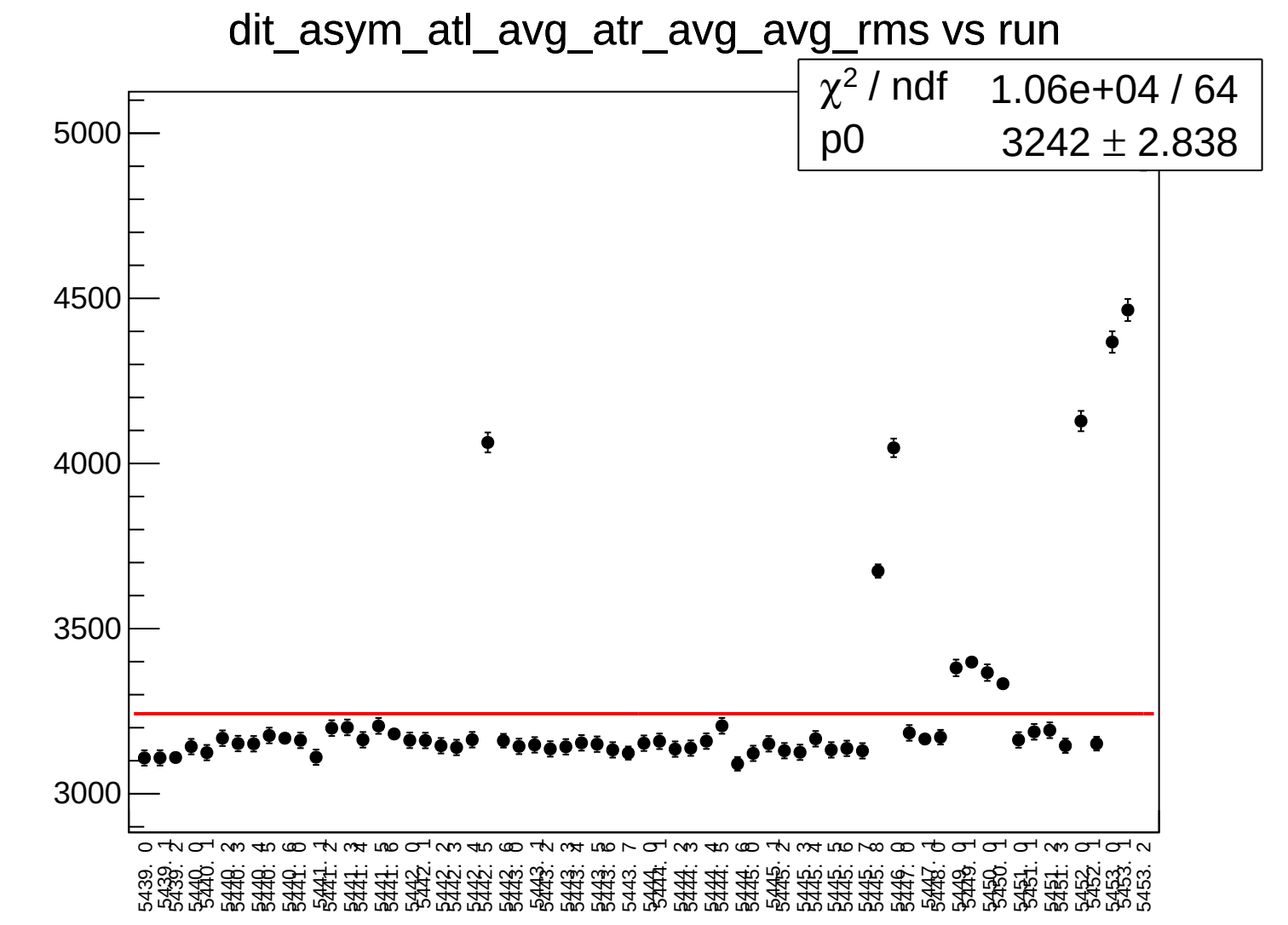

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.25 / 64
p0 −1555 ± 5984
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 2.908
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

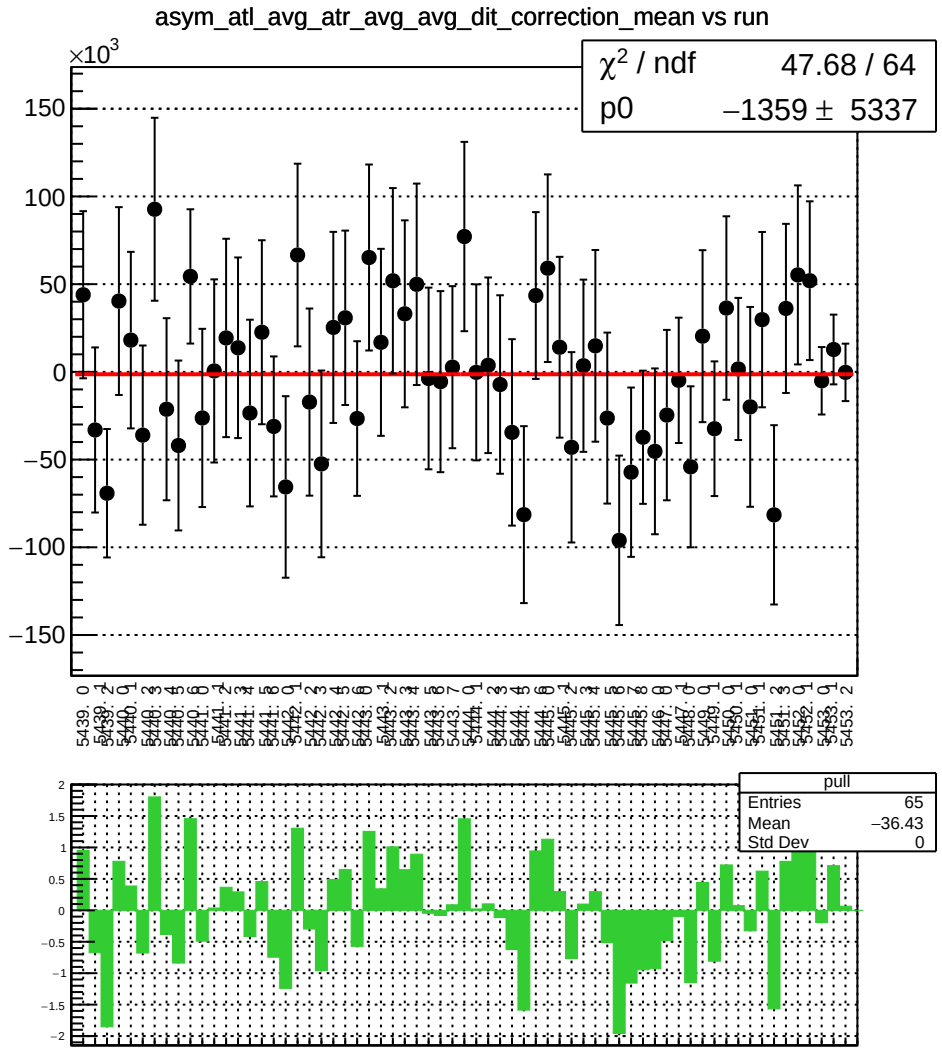

pull1D
Entries 65
Mean 0.02522
Std Dev 0.8701
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

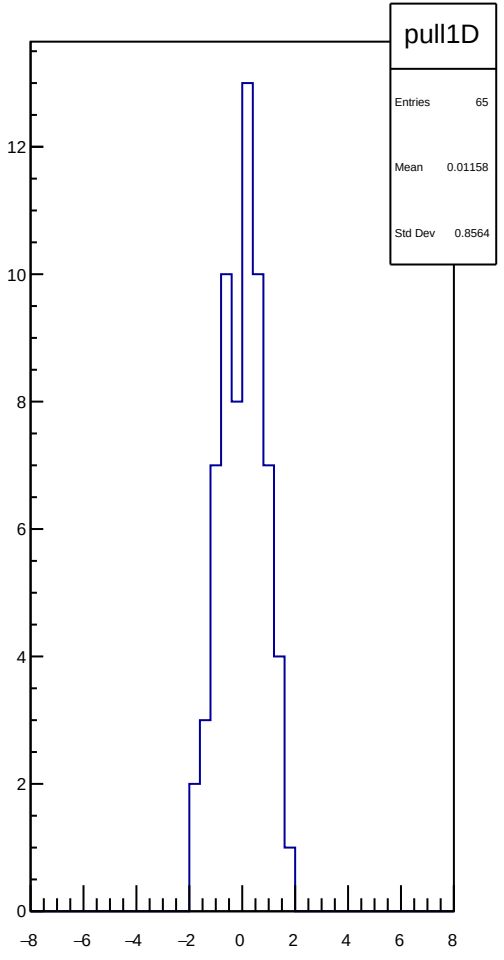

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3716 / 64
p0 4846 ± 4.231
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

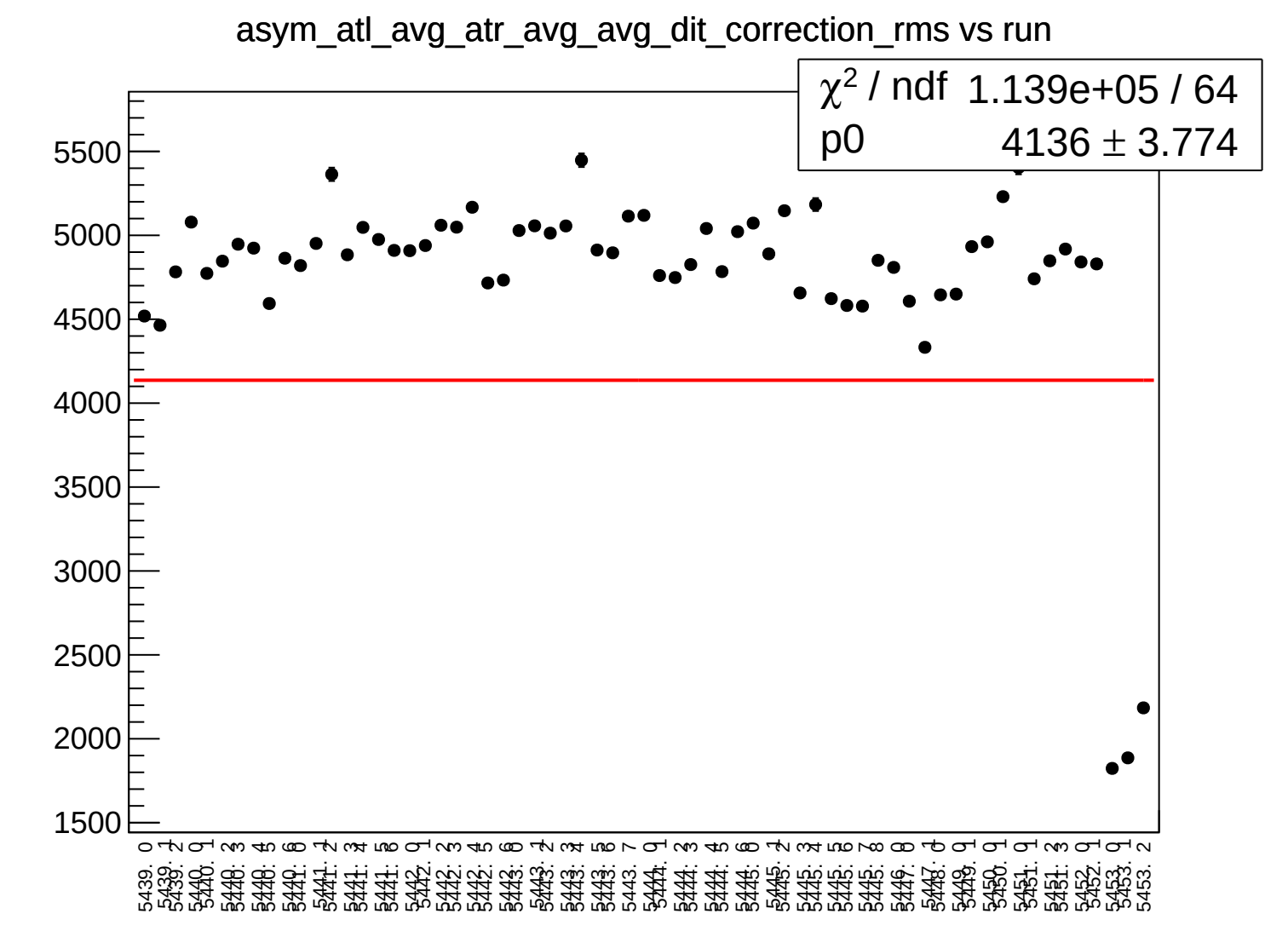

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 75.66 / 64
p0 5234 ± 4014
100
50
0
−50
−100
pull
Entries 65
Mean 87.1
Std Dev 0
3
2
1
0
−1
−2
−3

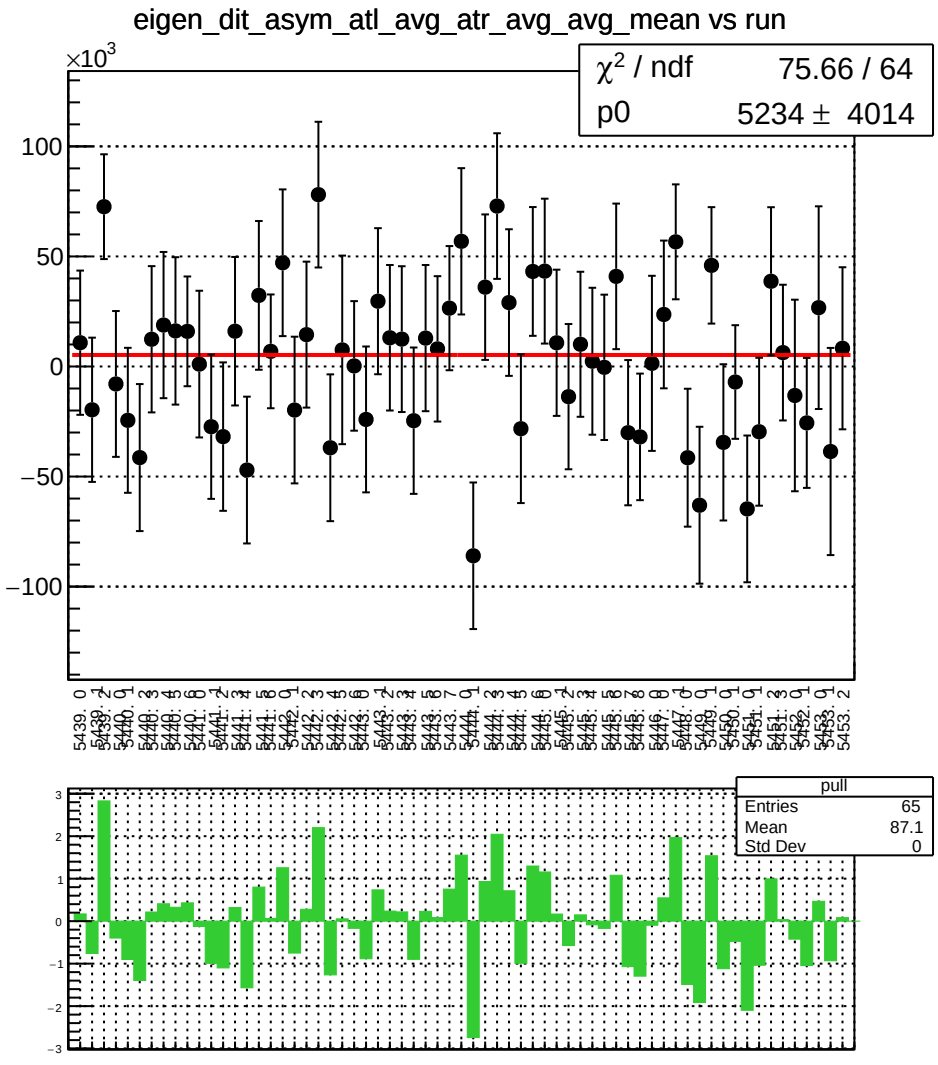

pull1D
Entries 65
Mean −0.03719
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

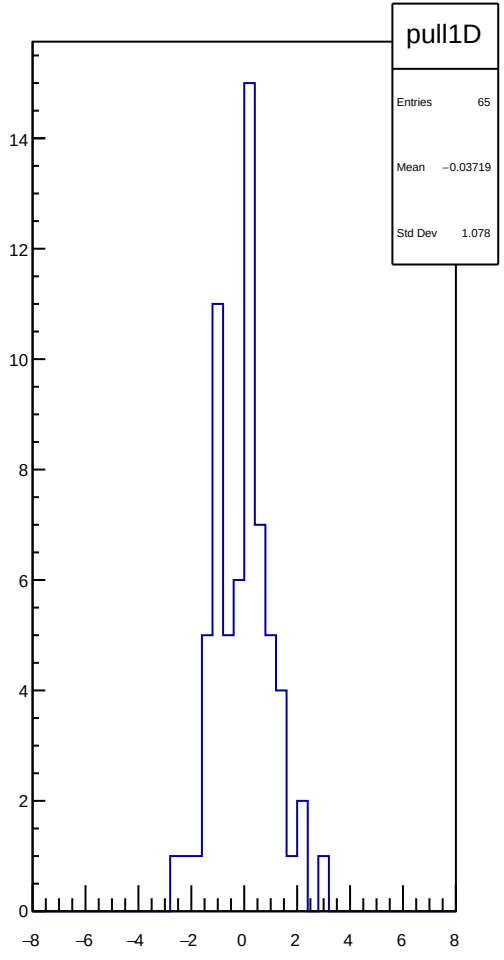

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.06e+04 / 64
p0 3242 ± 2.838
5000
4500
4000
3500
3000

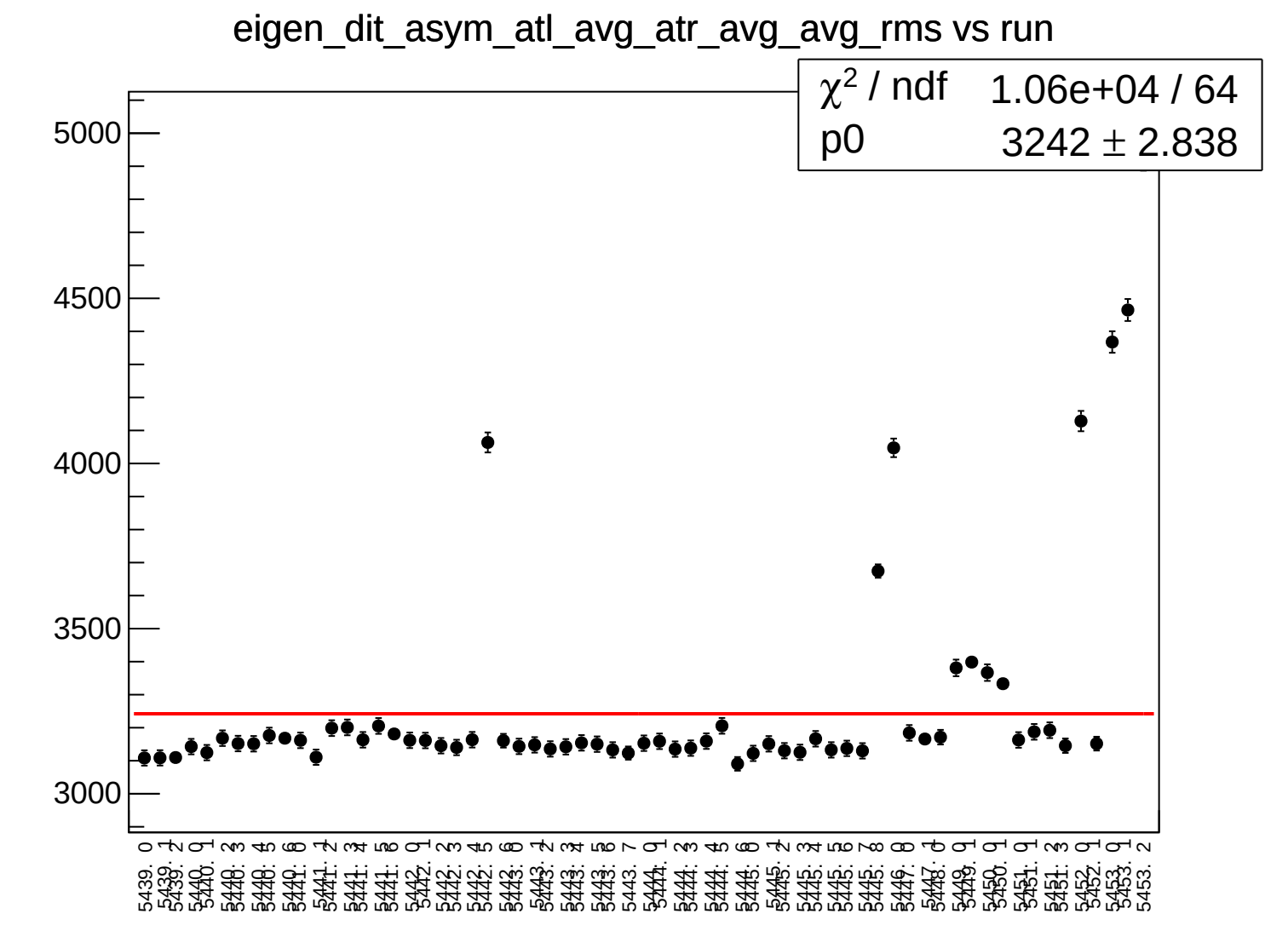

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 47.68 / 64
p0 −1359 ± 5337
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −36.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

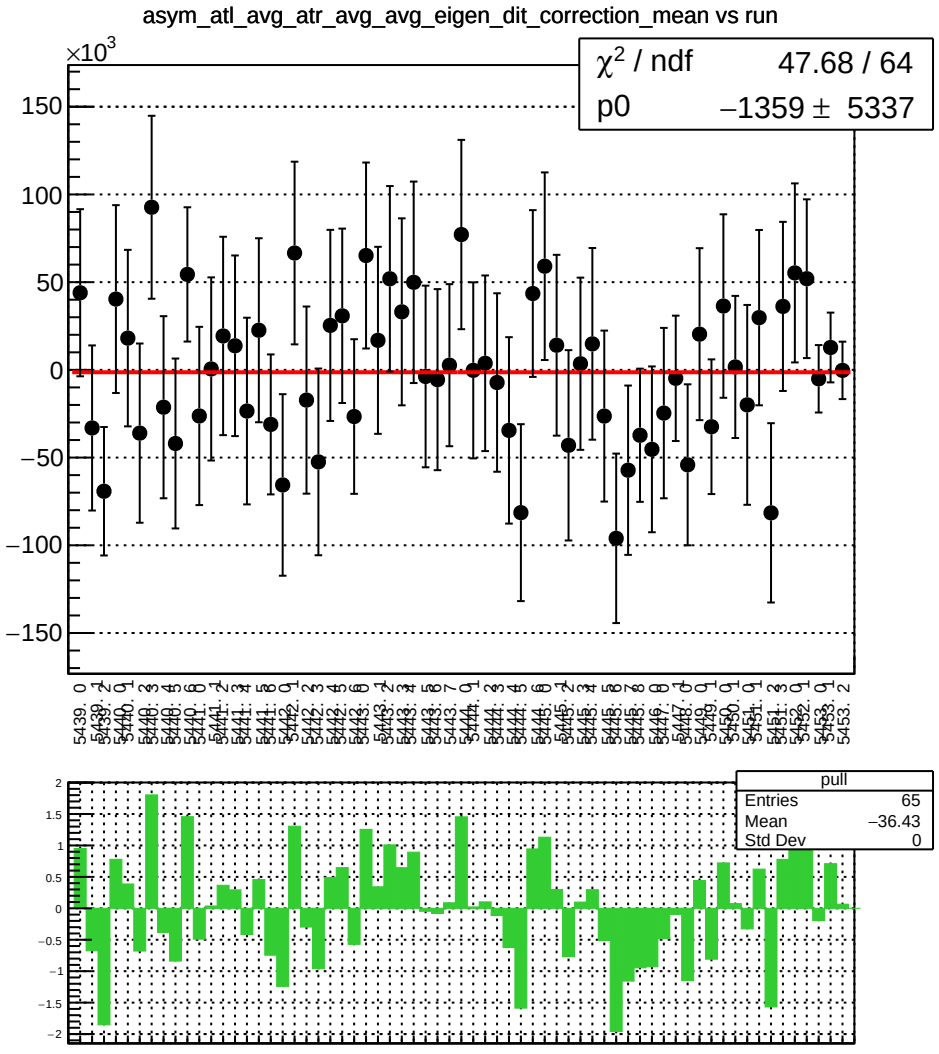

pull1D
Entries 65
Mean 0.01158
Std Dev 0.8564
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

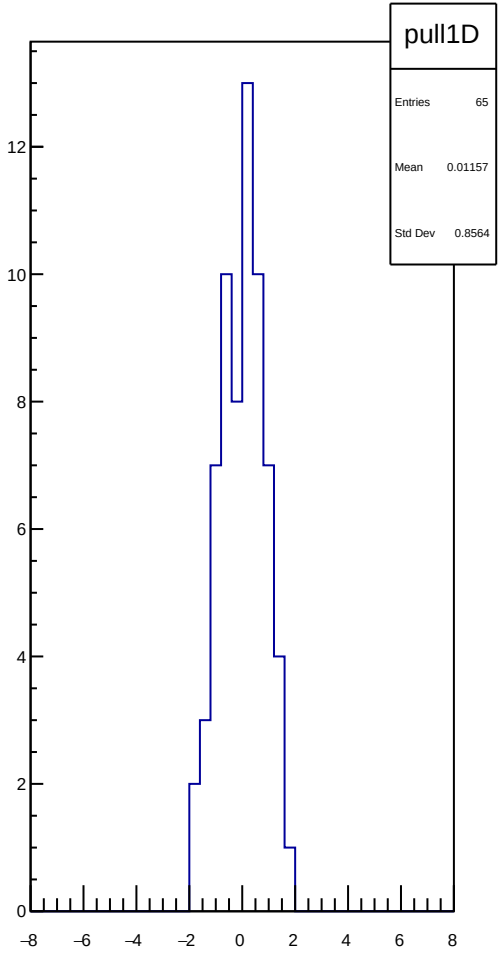

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.139e+05 / 64
p0 4136 ± 3.774
5500
5000
4500
4000
3500
3000
2500
2000
1500

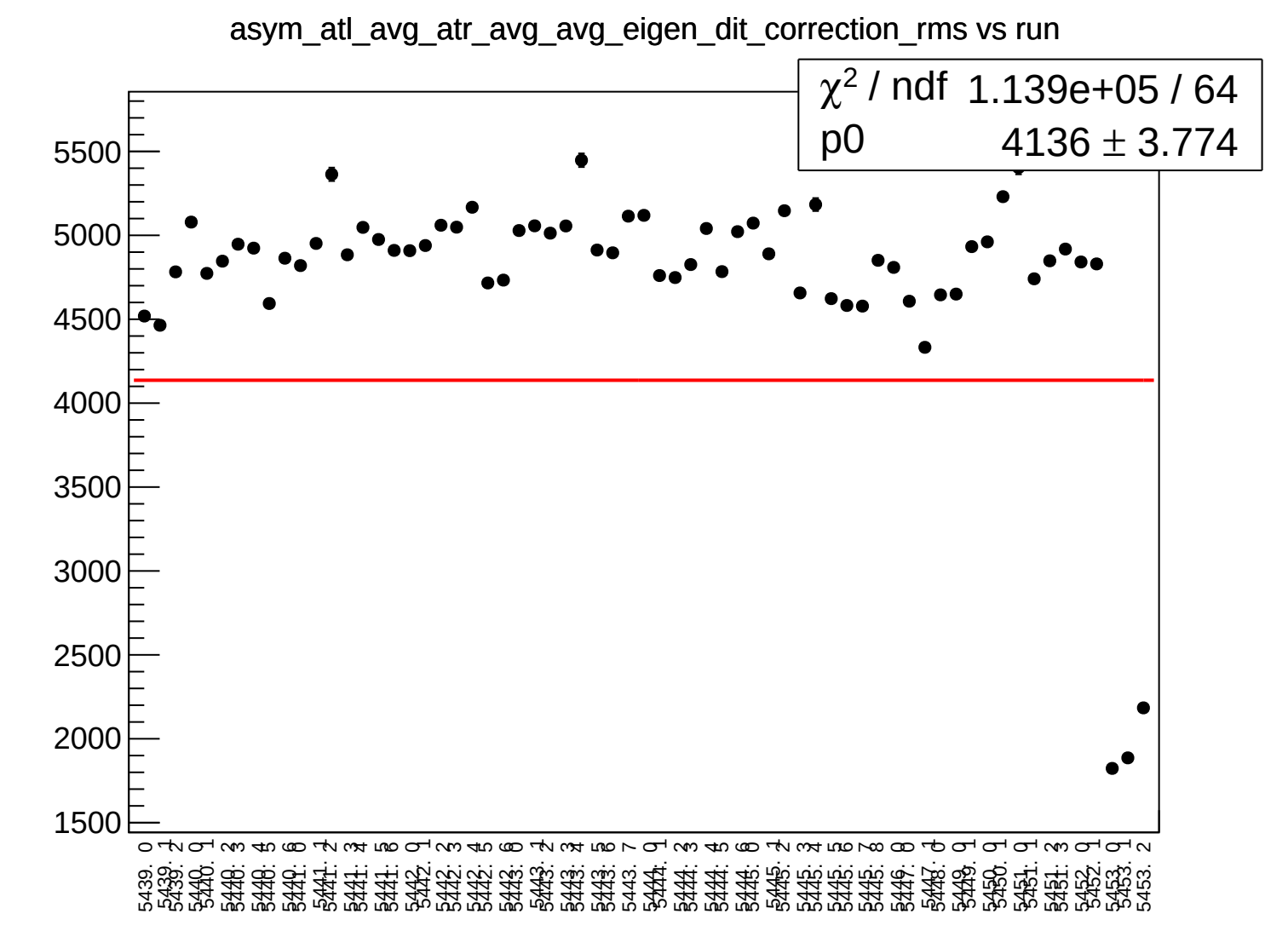

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 75.66 / 64
p0 5234 ± 4014
100
50
0
−50
−100
pull
Entries 65
Mean 87.1
Std Dev 0
3
2
1
0
−1
−2
−3

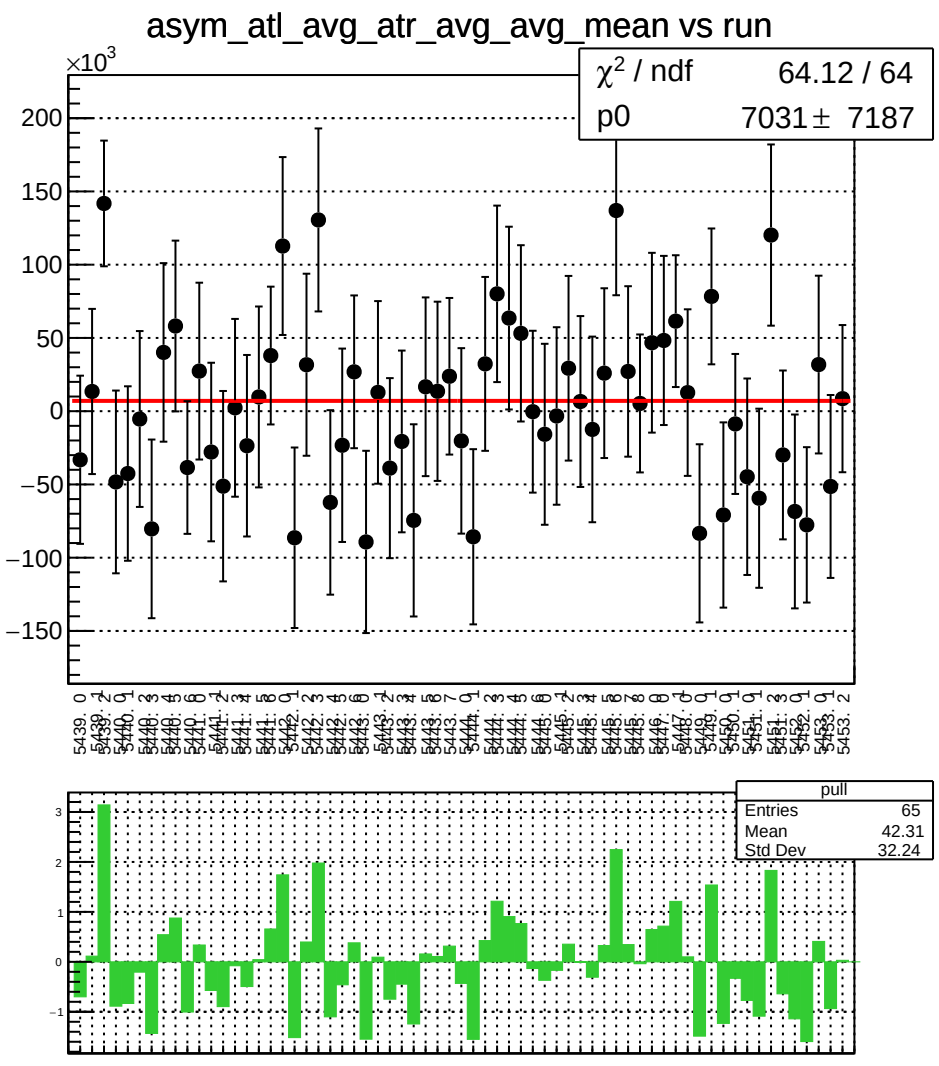

pull1D
Entries 65
Mean −0.03719
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

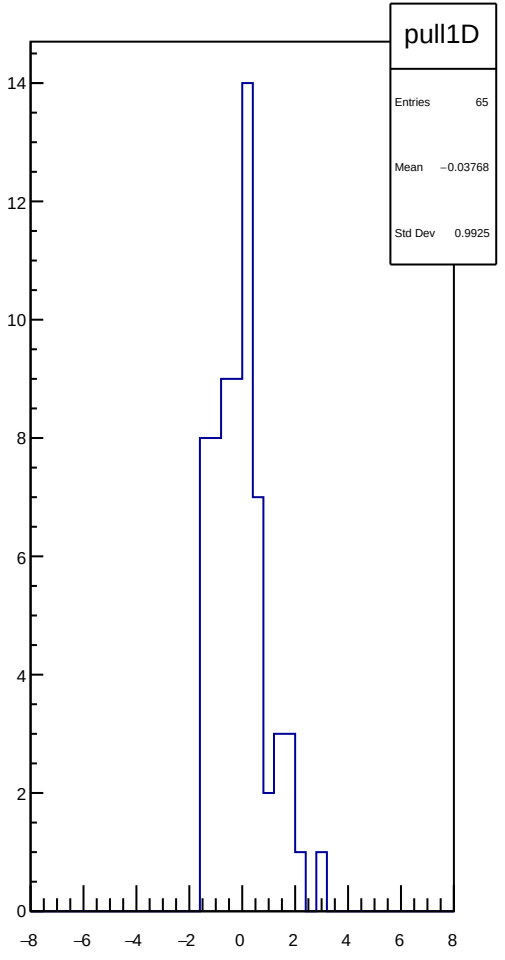

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.06e+04 / 64
p0 3242 ± 2.838
5000
4500
4000
3500
3000

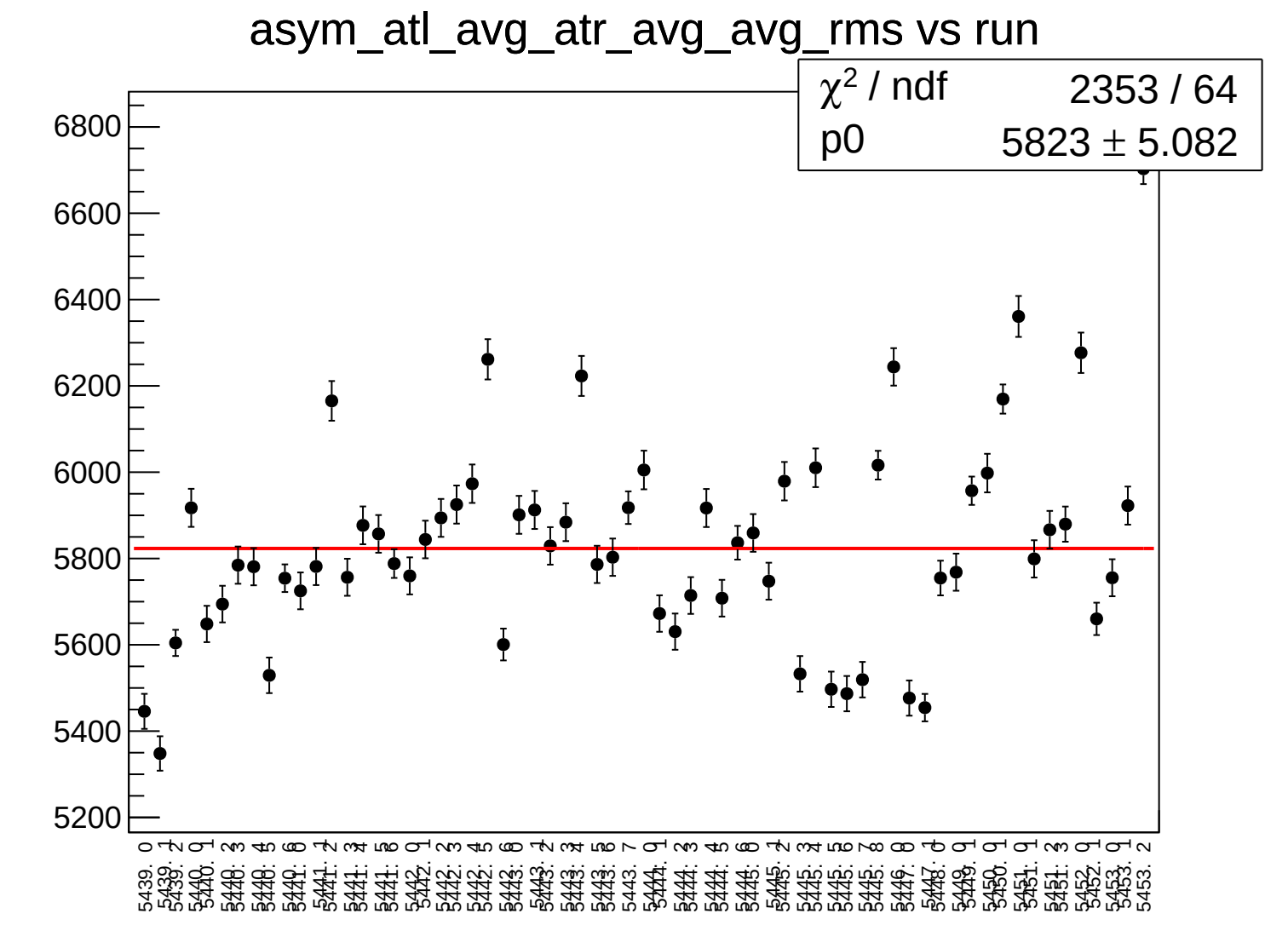

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.68 / 64
p0 −1359 ± 5337
pull
Entries 65
Mean −36.43
Std Dev 0

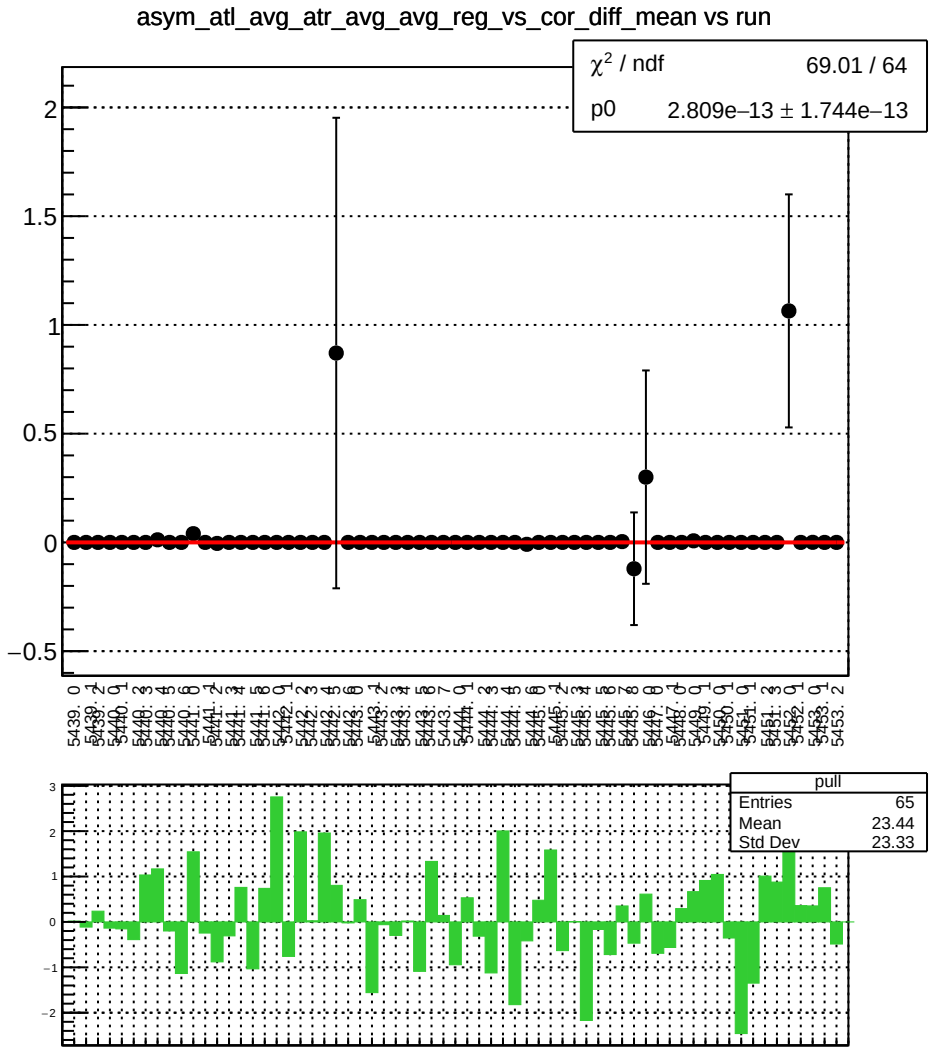

pull1D
Entries 65
Mean 0.01157
Std Dev 0.8564

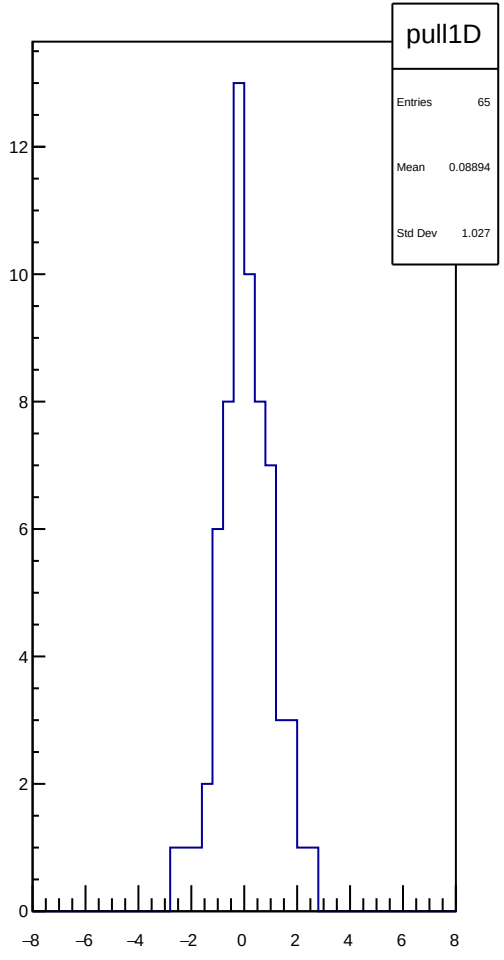

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.139e+05 / 64
p0 4136 ± 3.774
5500
5000
4500
4000
3500
3000
2500
2000
1500

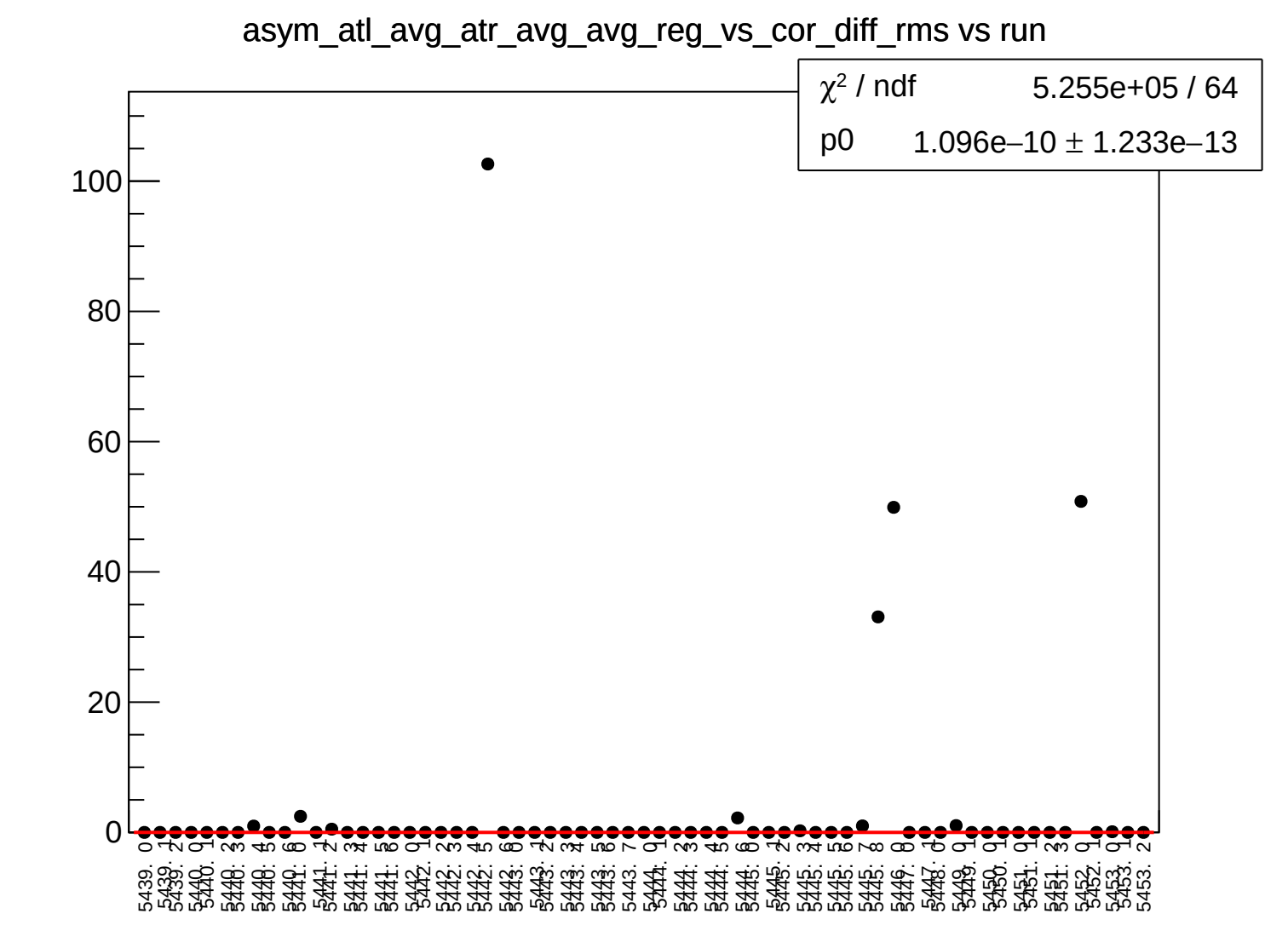

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 64.12 / 64
p0 7031 ± 7187
×10³
pull
Entries 65
Mean 42.31
Std Dev 32.24

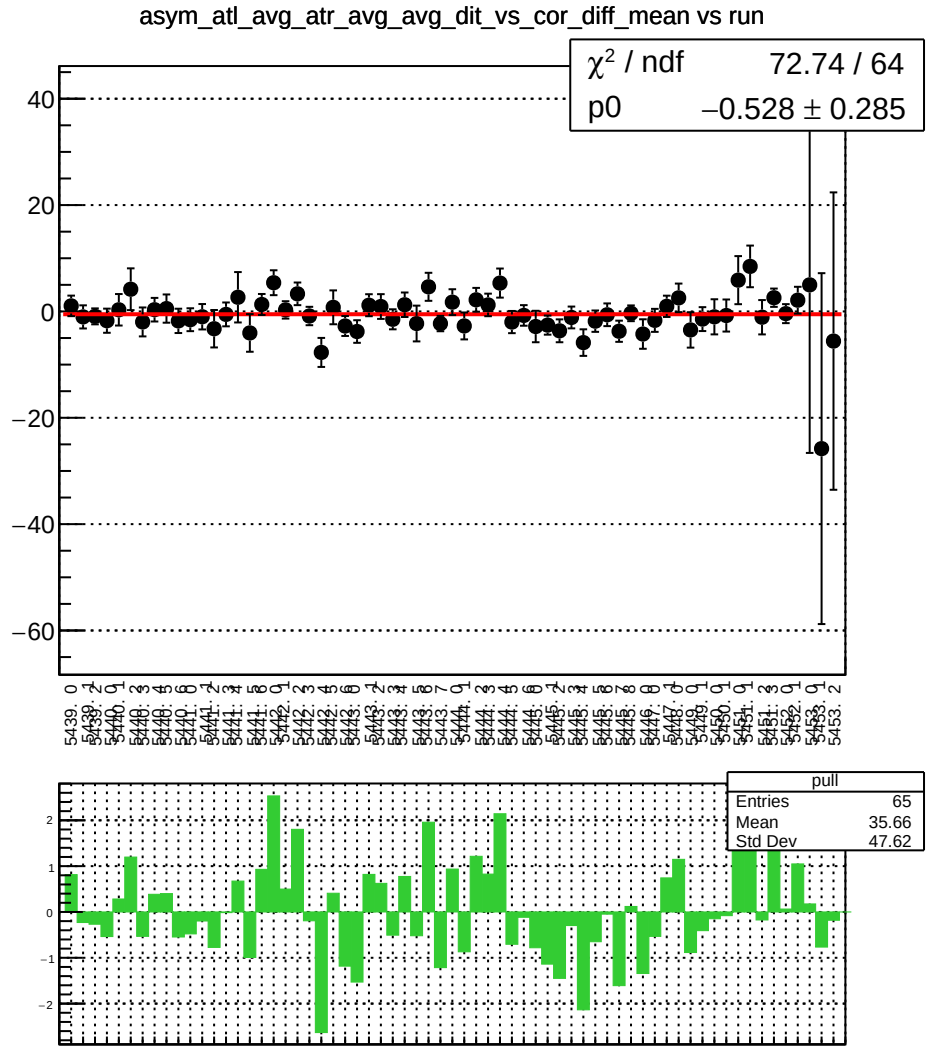

pull1D
Entries 65
Mean −0.03768
Std Dev 0.9925

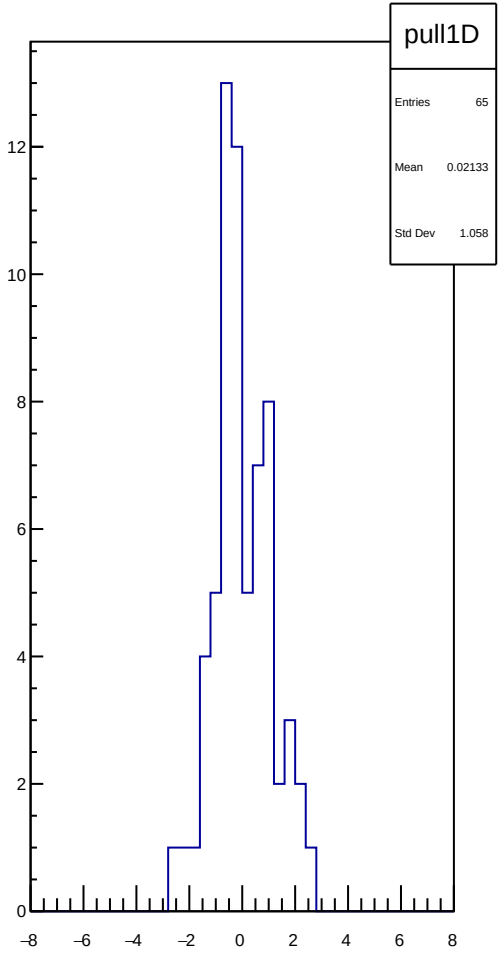

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2353 / 64
p0 5823 ± 5.082
6800
6600
6400
6200
6000
5800
5600
5400
5200

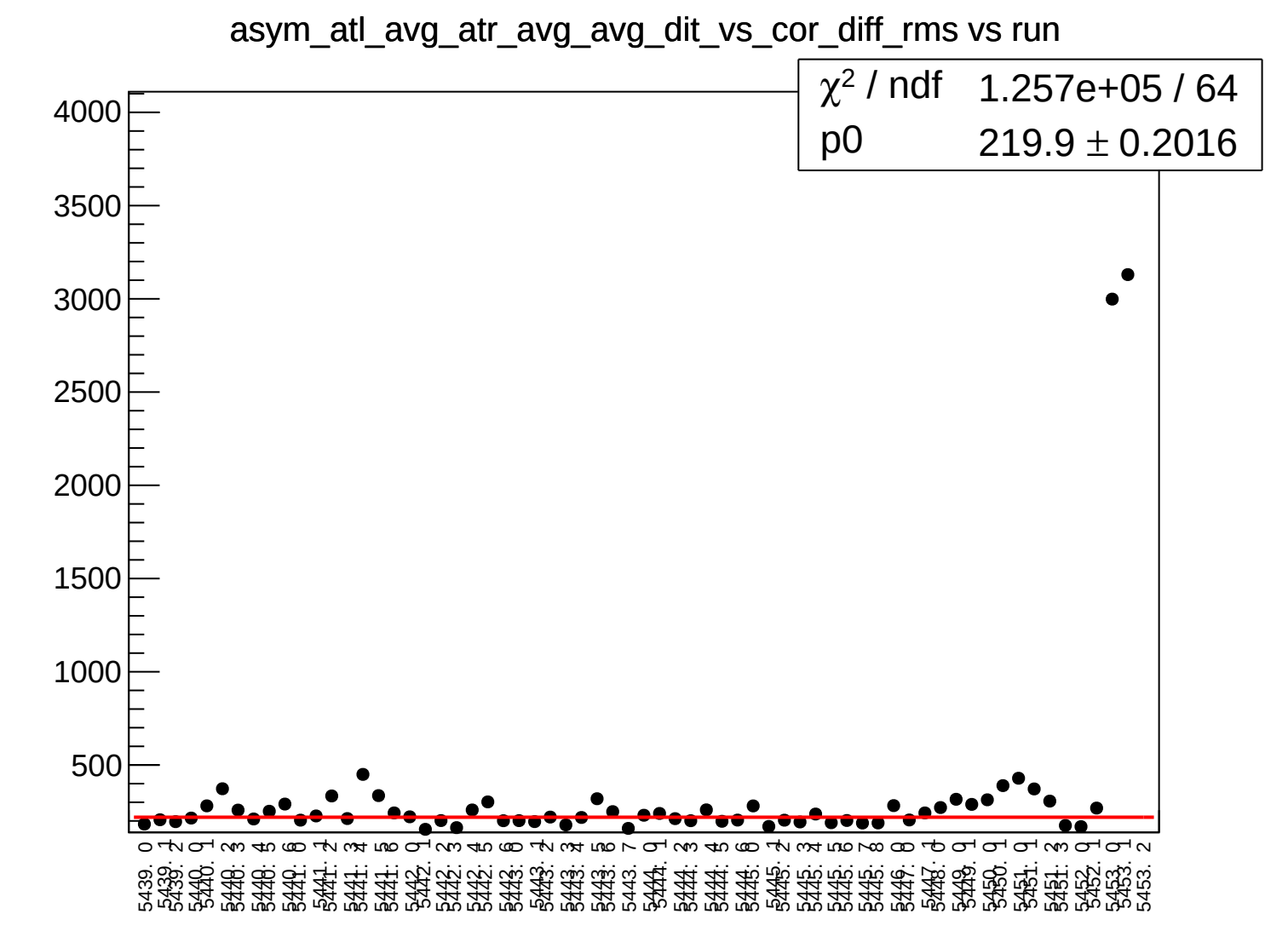

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.01 / 64
p0 2.809e−13 ± 1.744e−13
pull
Entries 65
Mean 23.44
Std Dev 23.33

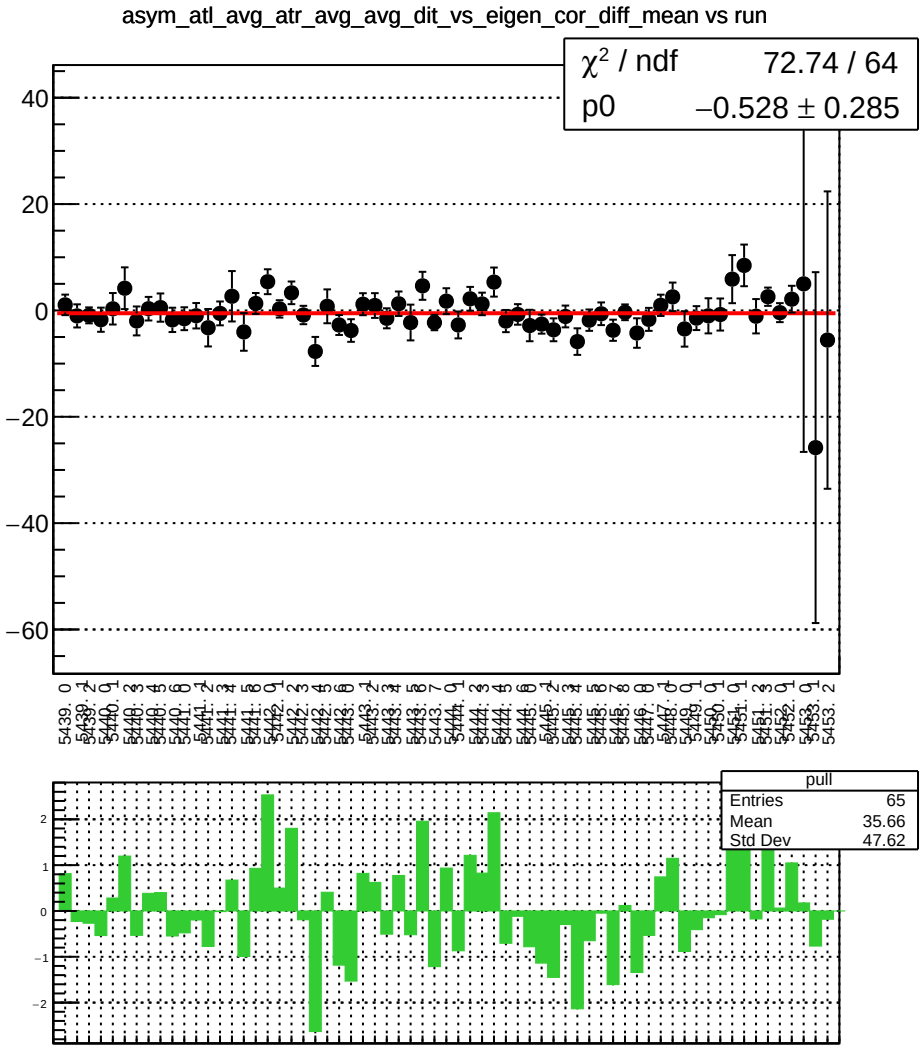

pull1D
Entries 65
Mean 0.08894
Std Dev 1.027

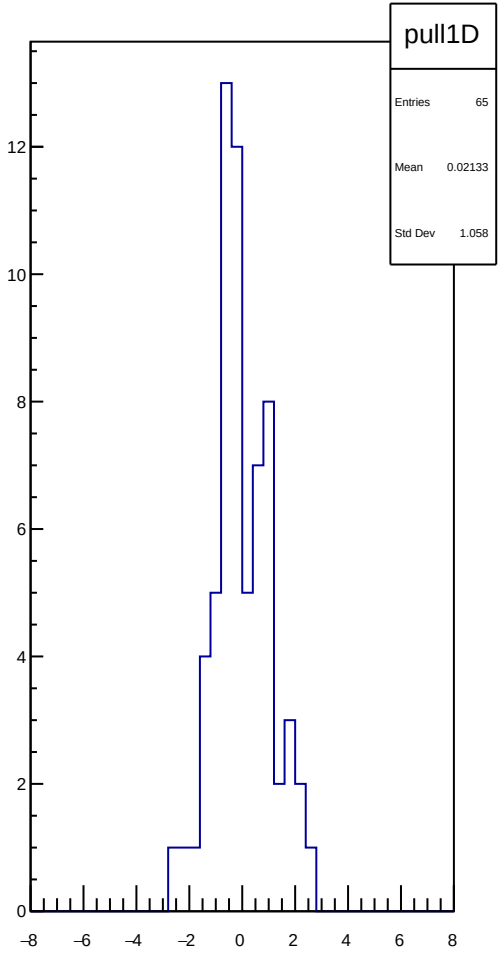

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.255e+05 / 64
p0 1.096e−10 ± 1.233e−13
100
80
60
40
20
0

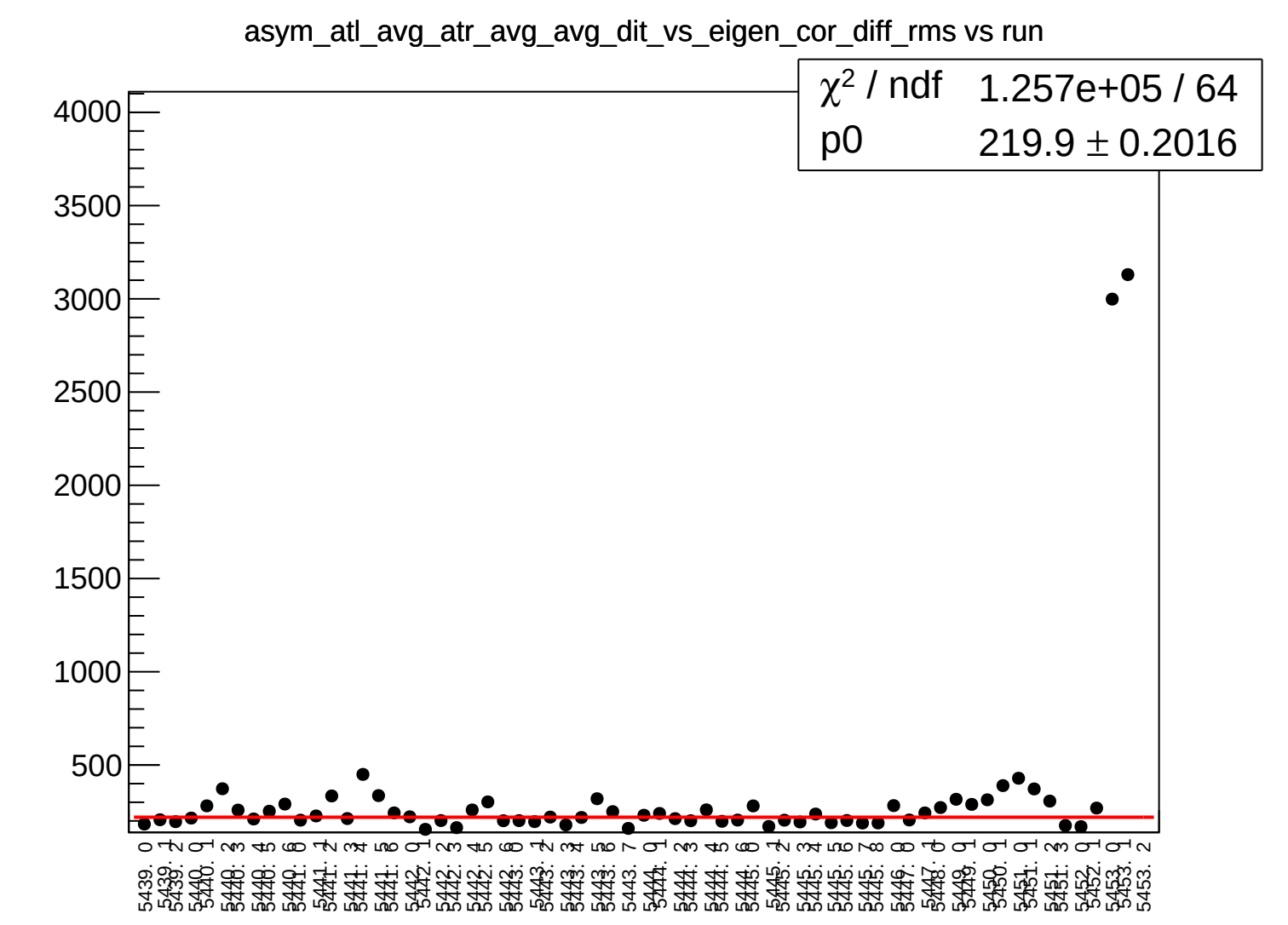

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.74 / 64
p0 −0.528 ± 0.285
pull
Entries 65
Mean 35.66
Std Dev 47.62

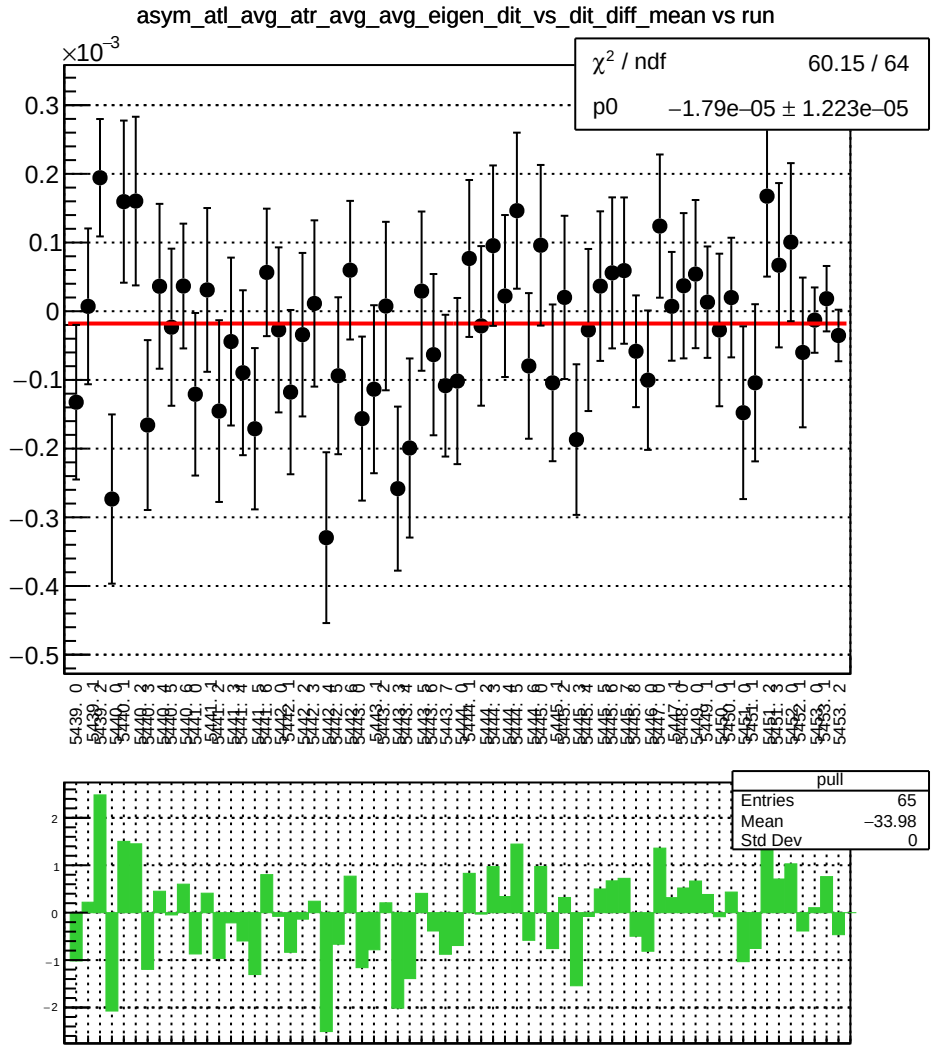

pull1D
Entries 65
Mean 0.02133
Std Dev 1.058

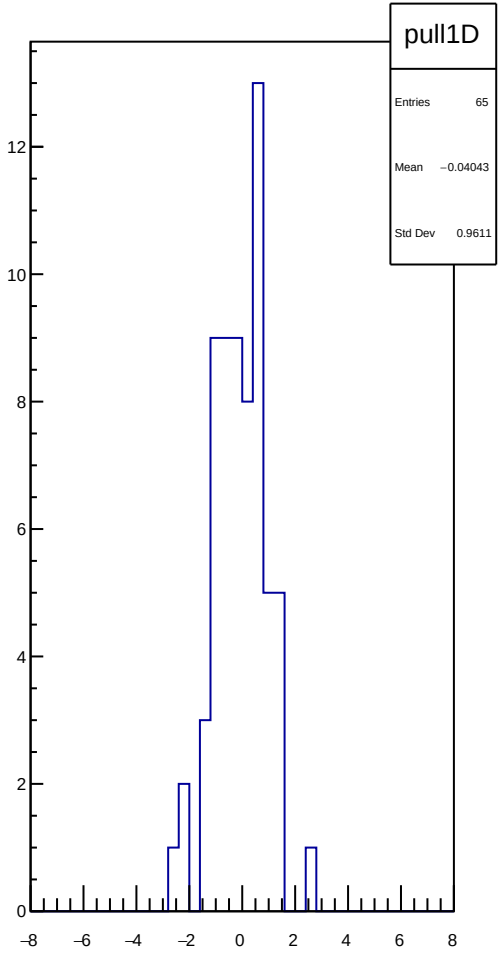

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 64
p0 219.9 ± 0.2016
4000
3500
3000
2500
2000
1500
1000
500

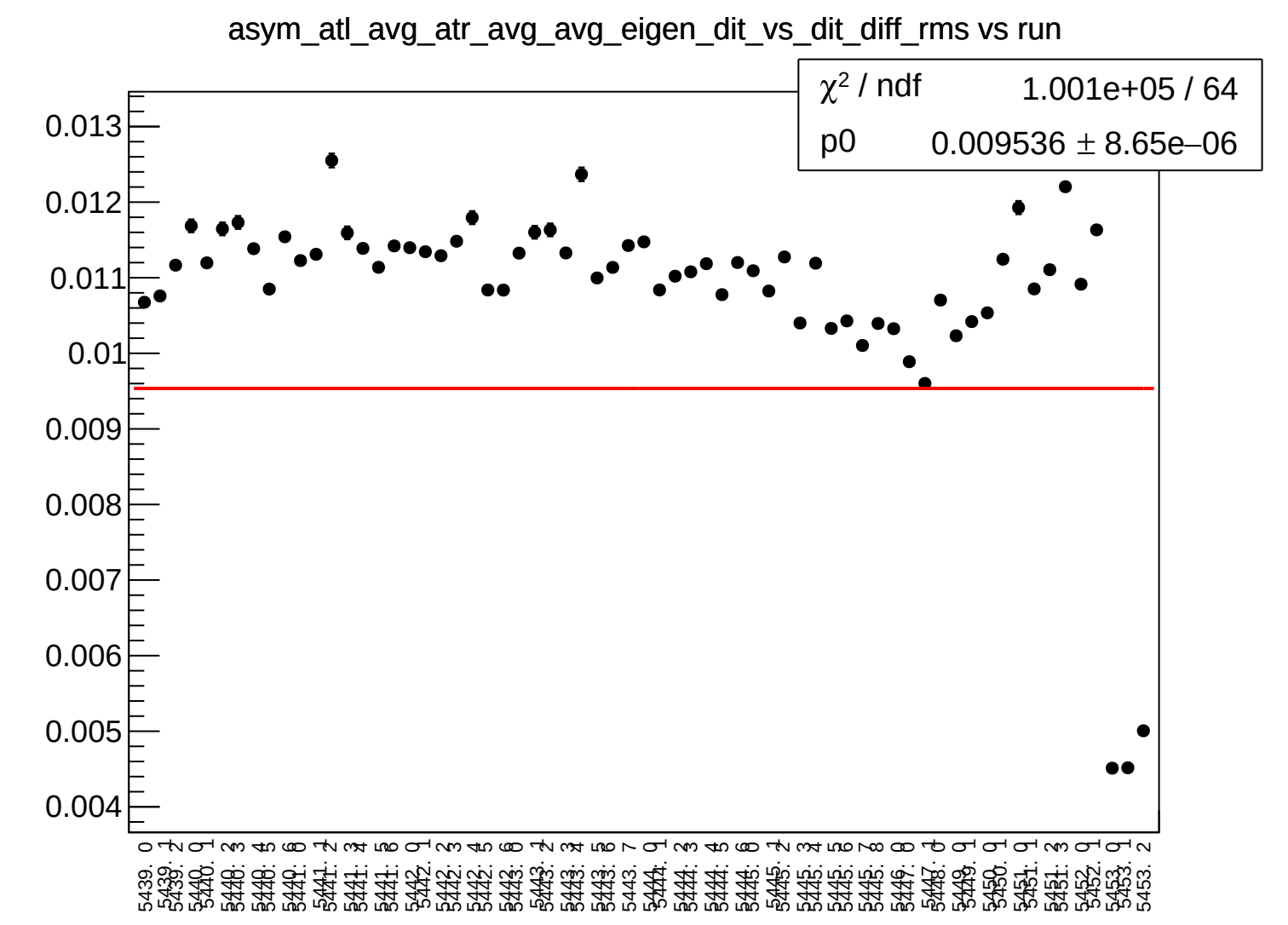

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.74 / 64
p0 −0.528 ± 0.285
pull
Entries 65
Mean 35.66
Std Dev 47.62

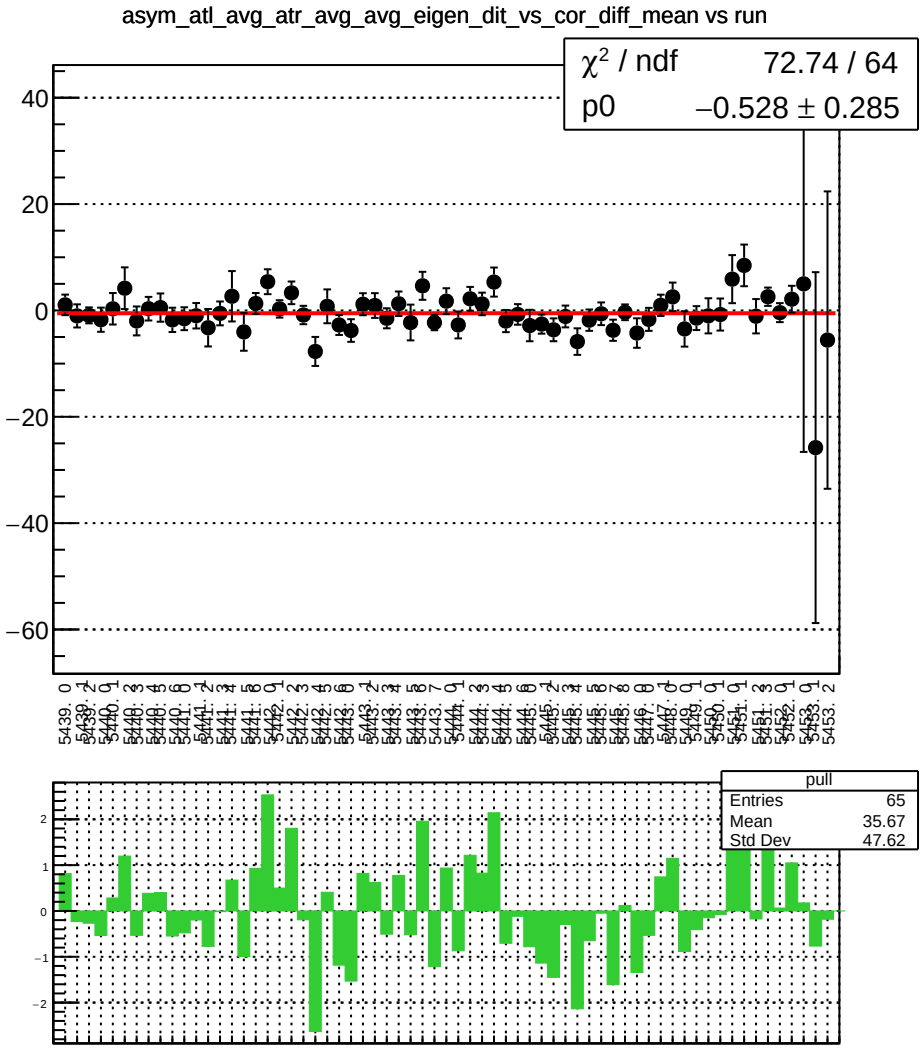

pull1D
Entries 65
Mean 0.02133
Std Dev 1.058

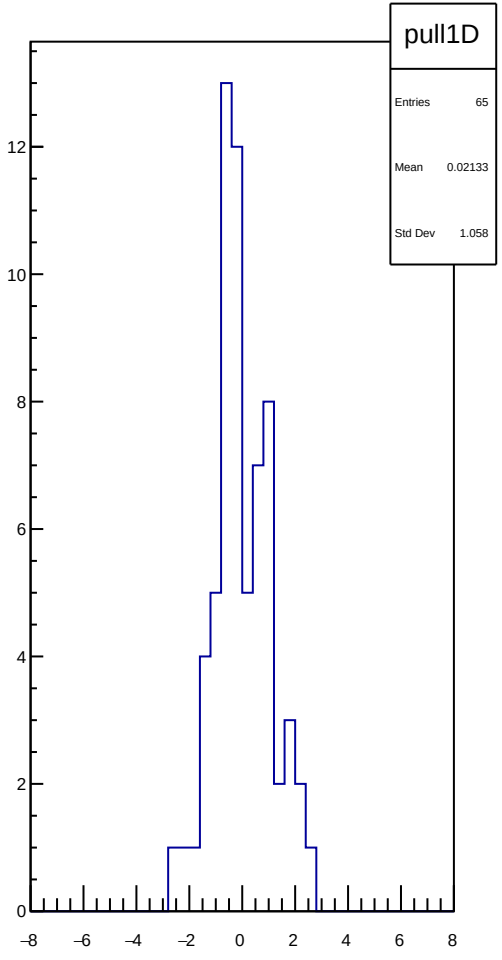

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 64
p0 219.9 ± 0.2016
4000
3500
3000
2500
2000
1500
1000
500

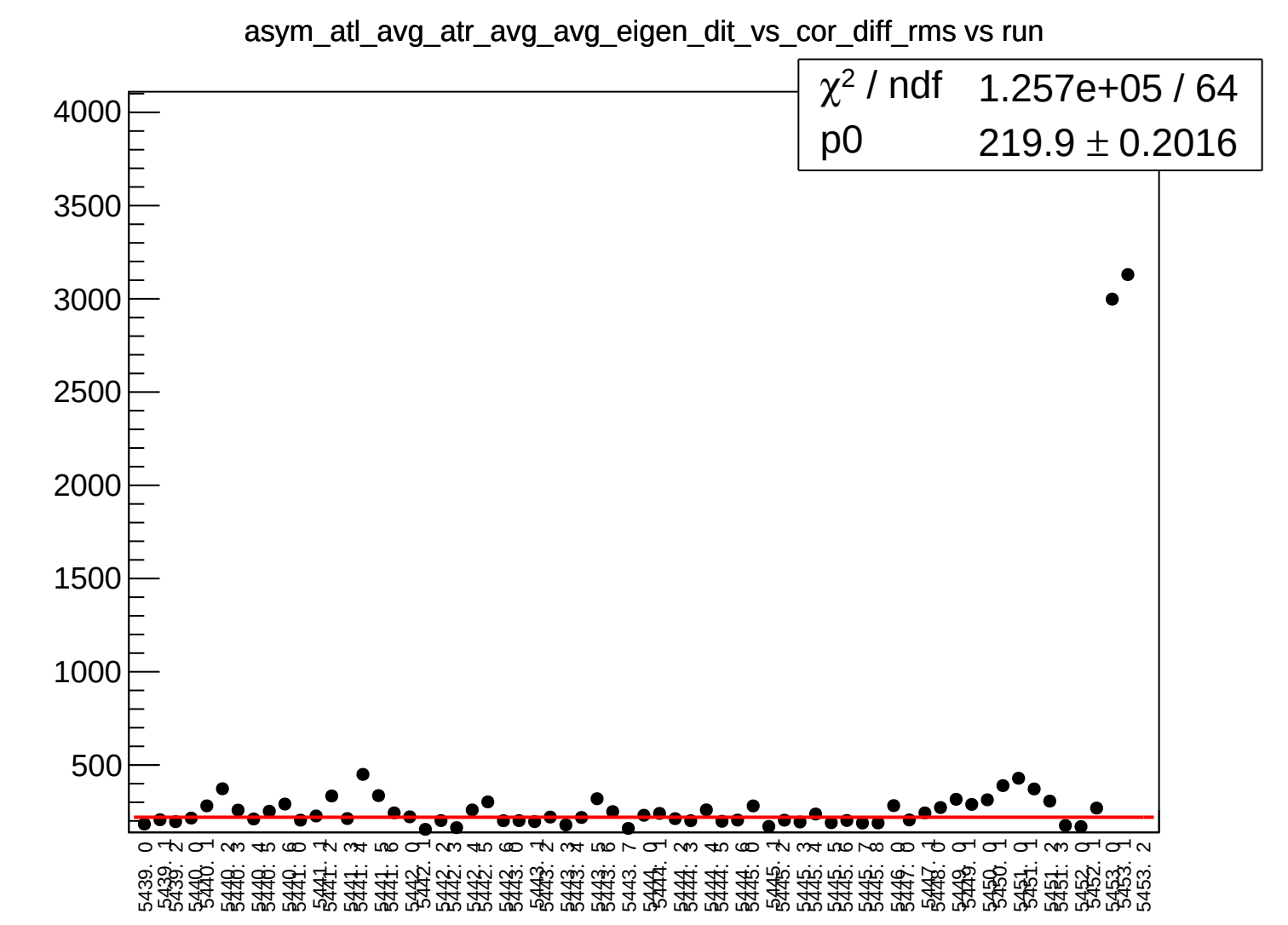

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.15 / 64
p0 −1.79e−05 ± 1.223e−05
pull
Entries 65
Mean −33.98
Std Dev 0

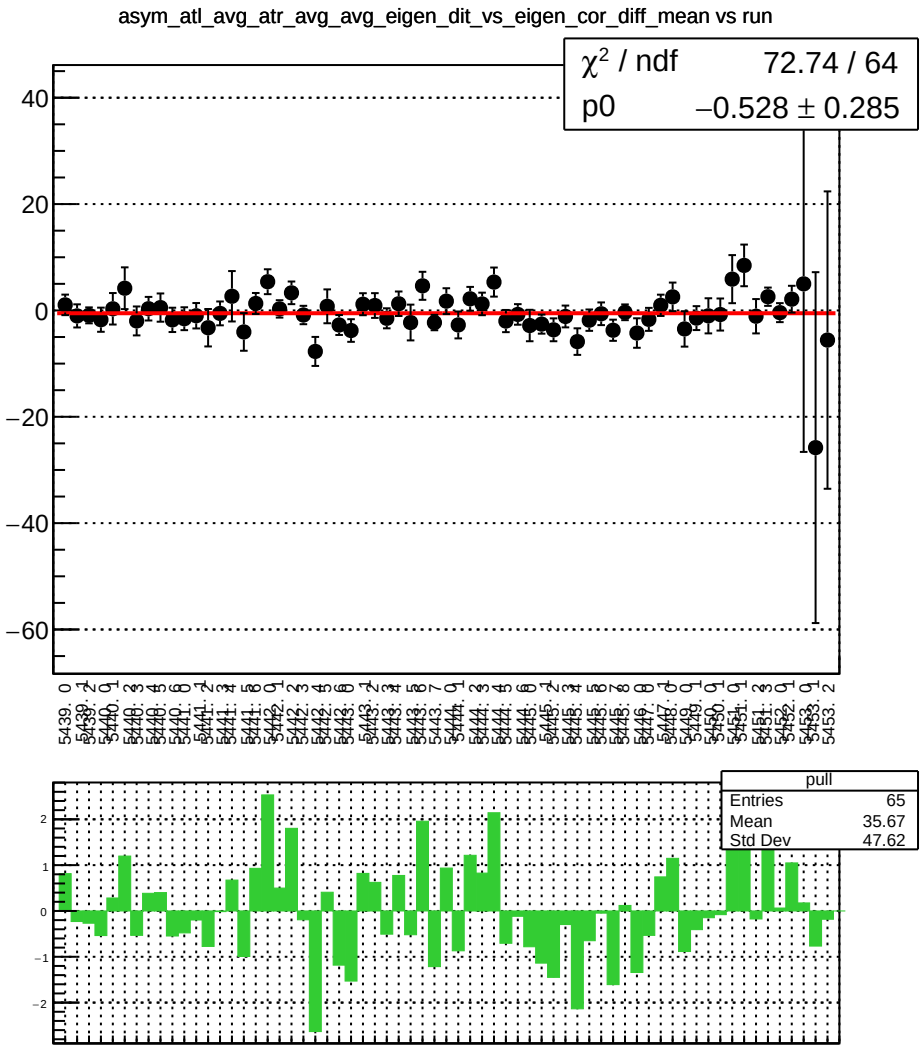

pull1D
Entries 65
Mean −0.04043
Std Dev 0.9611

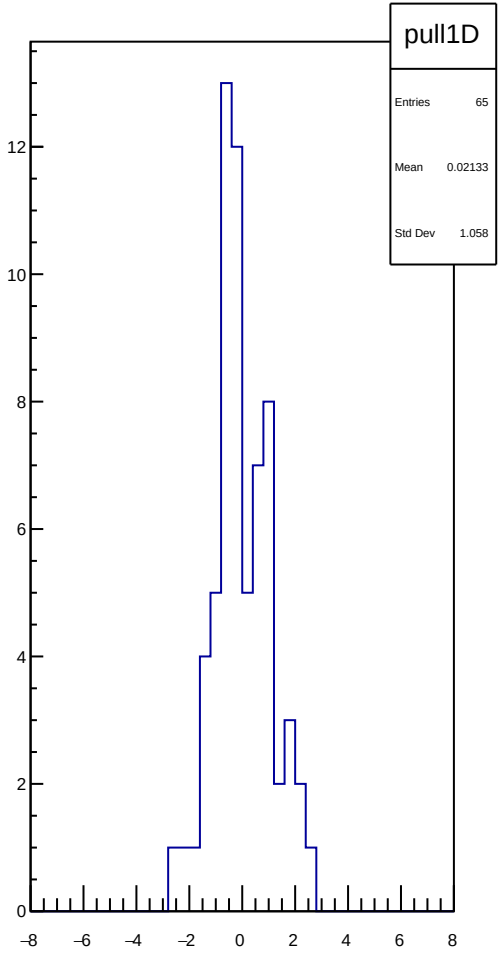

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.001e+05 / 64
p0 0.009536 ± 8.65e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

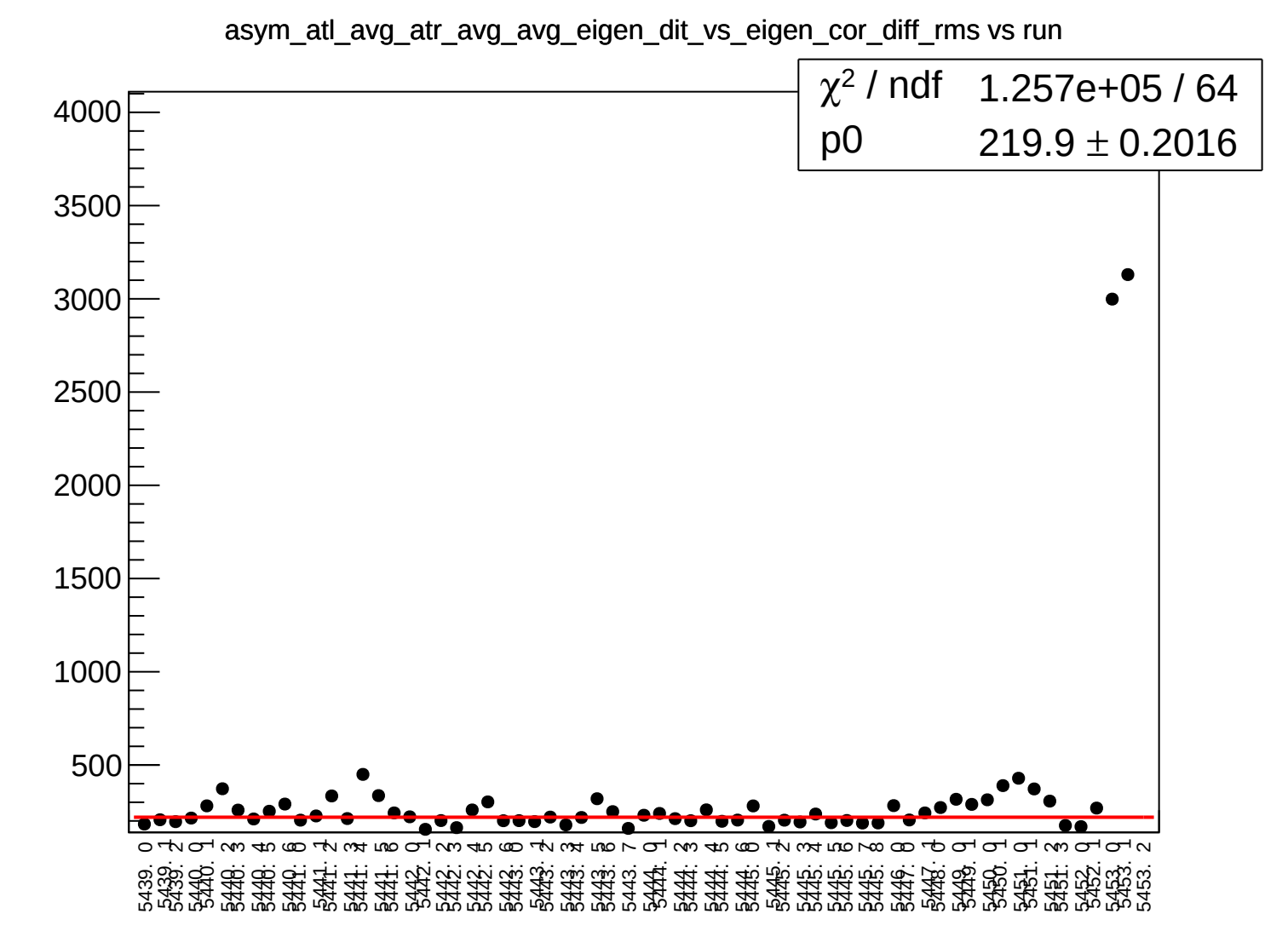

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.74 / 64
p0 −0.528 ± 0.285
pull
Entries 65
Mean 35.67
Std Dev 47.62

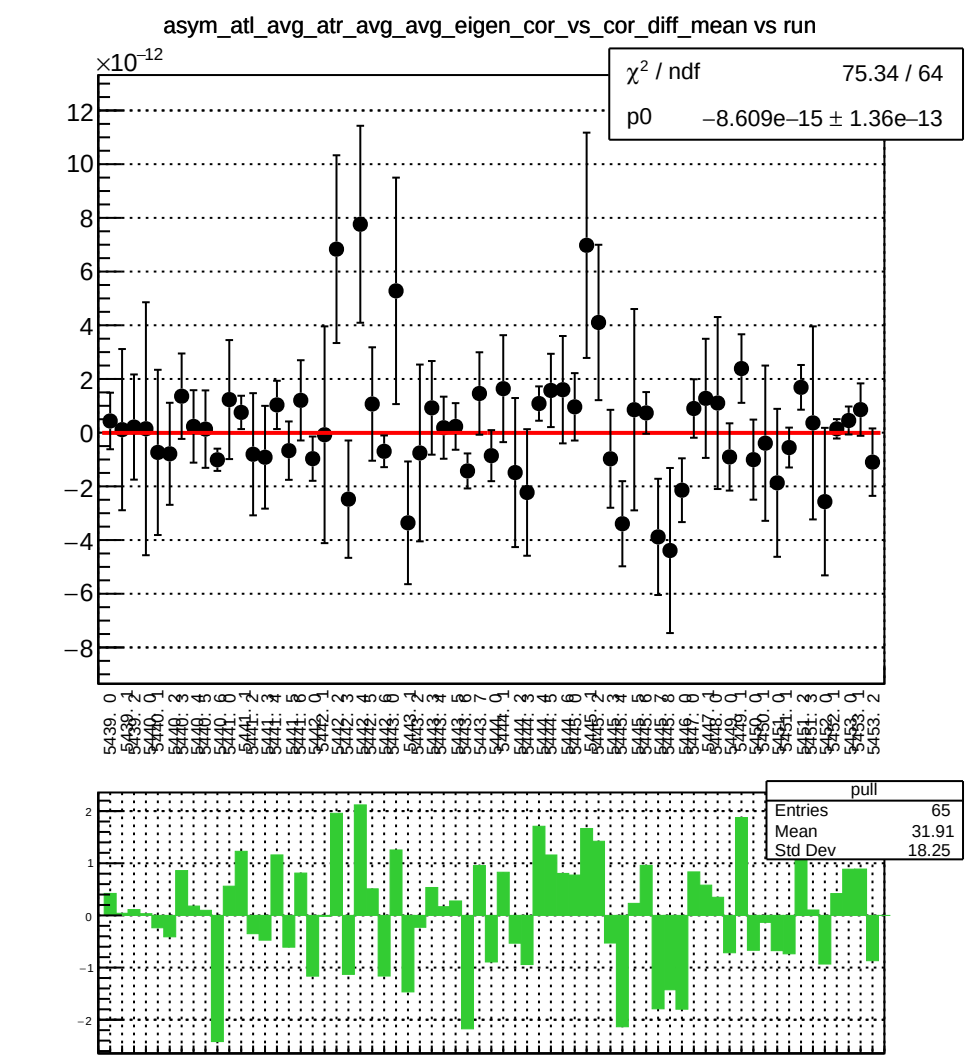

pull1D
Entries 65
Mean 0.02133
Std Dev 1.058

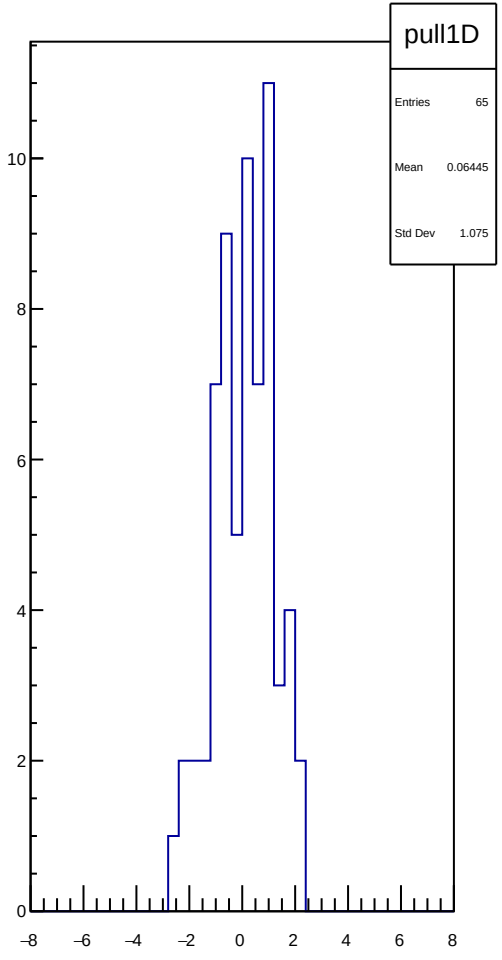

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 64
p0 219.9 ± 0.2016
4000
3500
3000
2500
2000
1500
1000
500

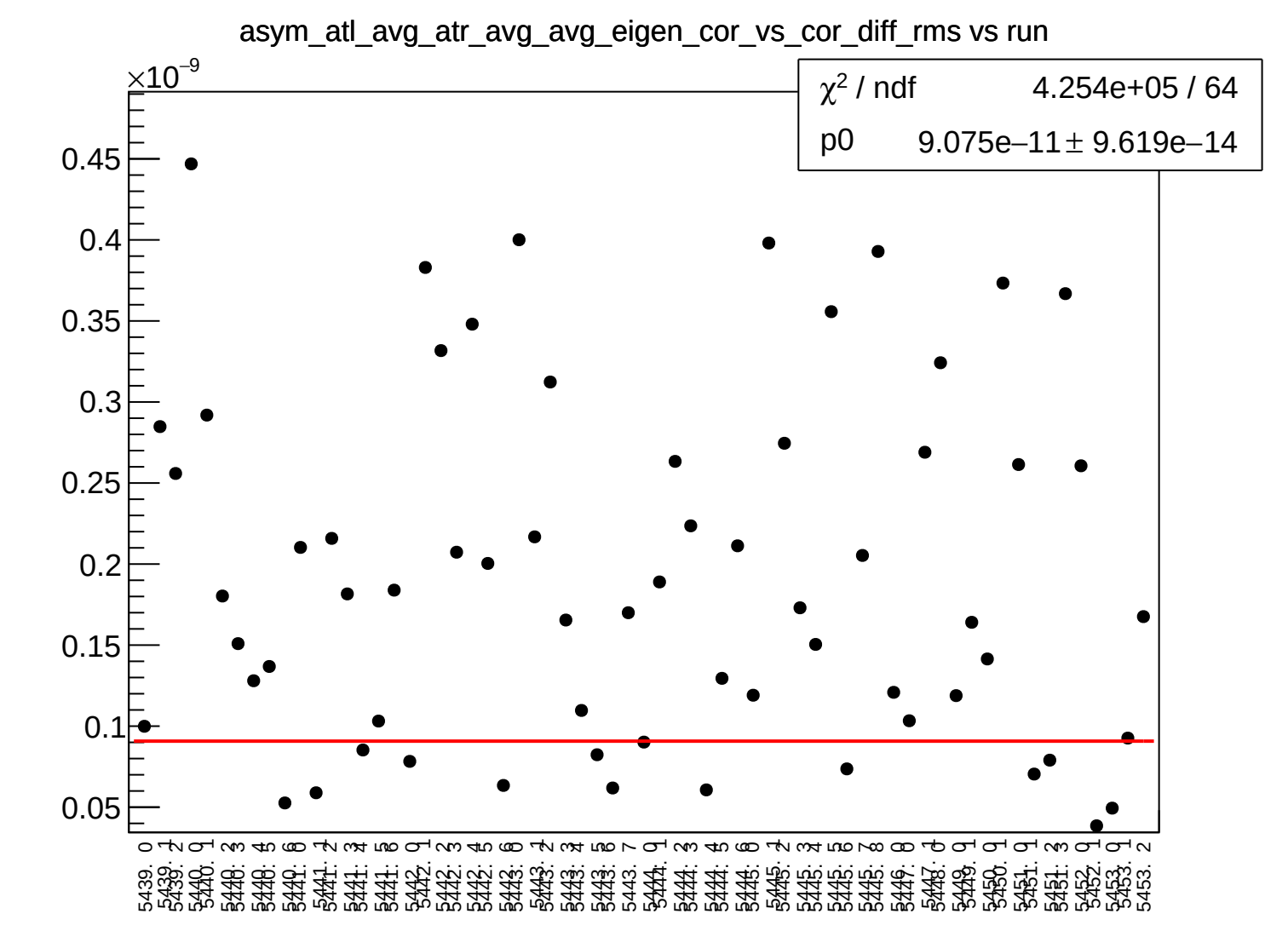

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.74 / 64
p0 −0.528 ± 0.285
pull
Entries 65
Mean 35.67
Std Dev 47.62

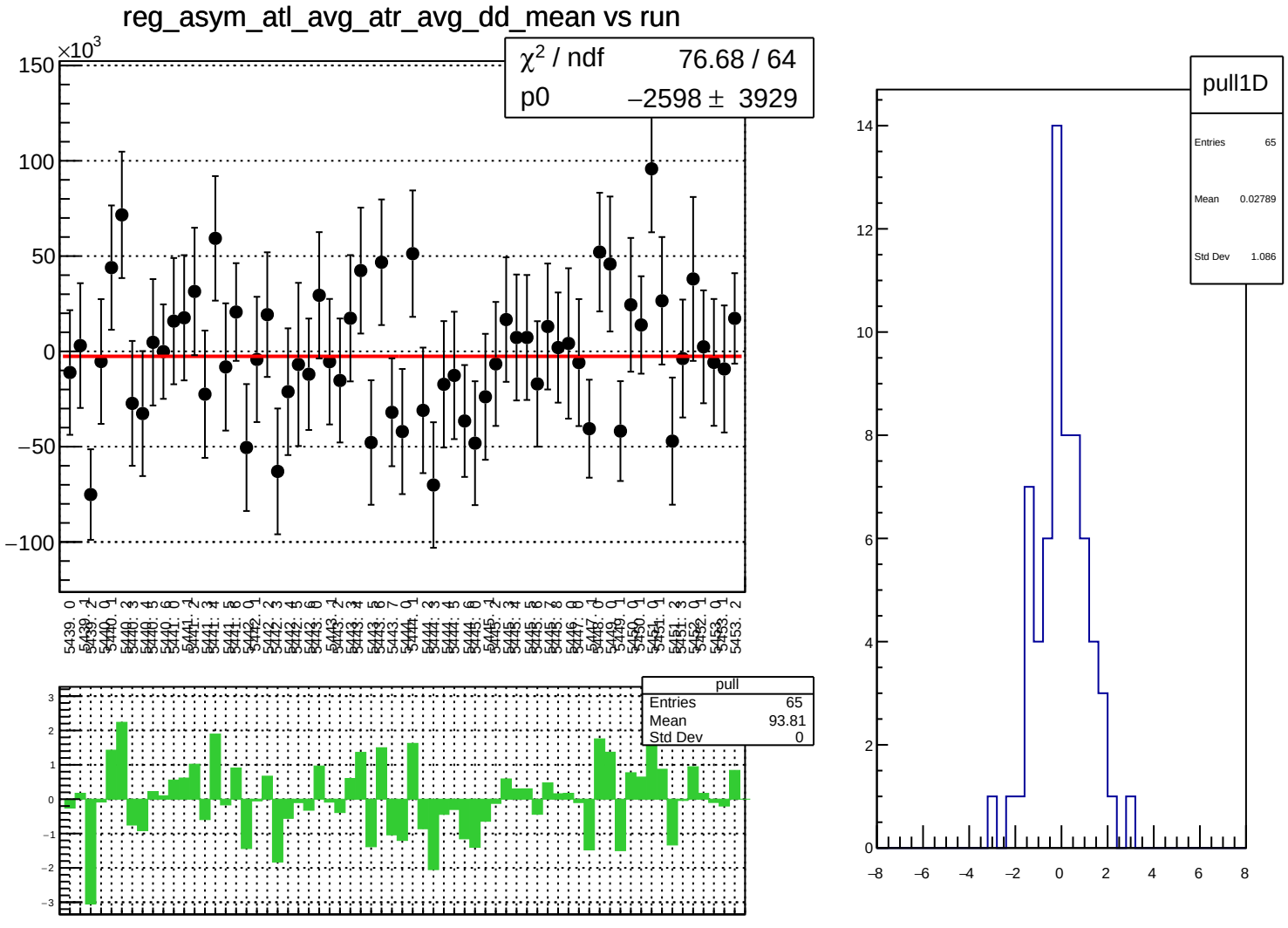

pull1D
Entries 65
Mean 0.02133
Std Dev 1.058

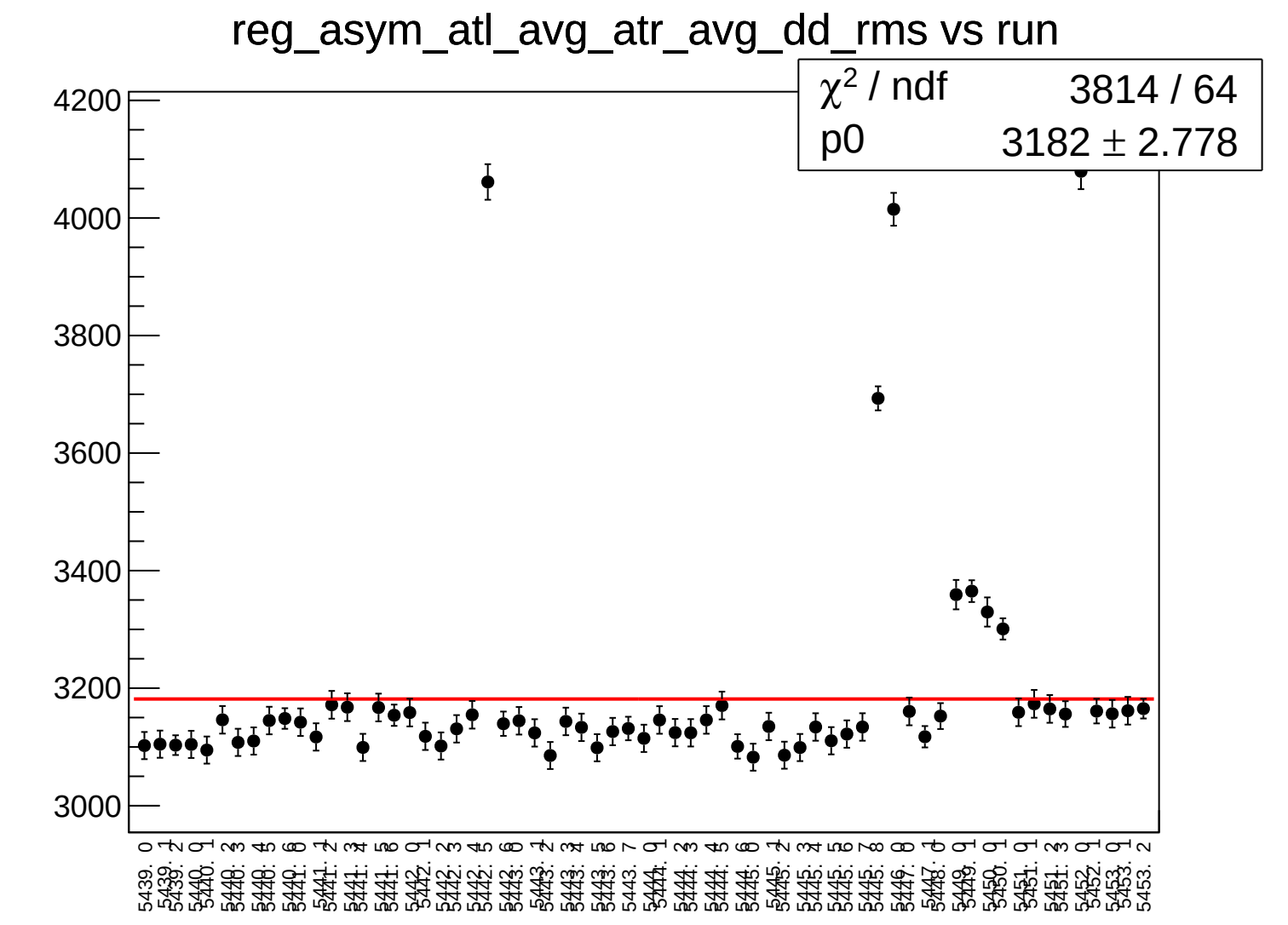

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 64
p0 219.9 ± 0.2016
4000
3500
3000
2500
2000
1500
1000
500

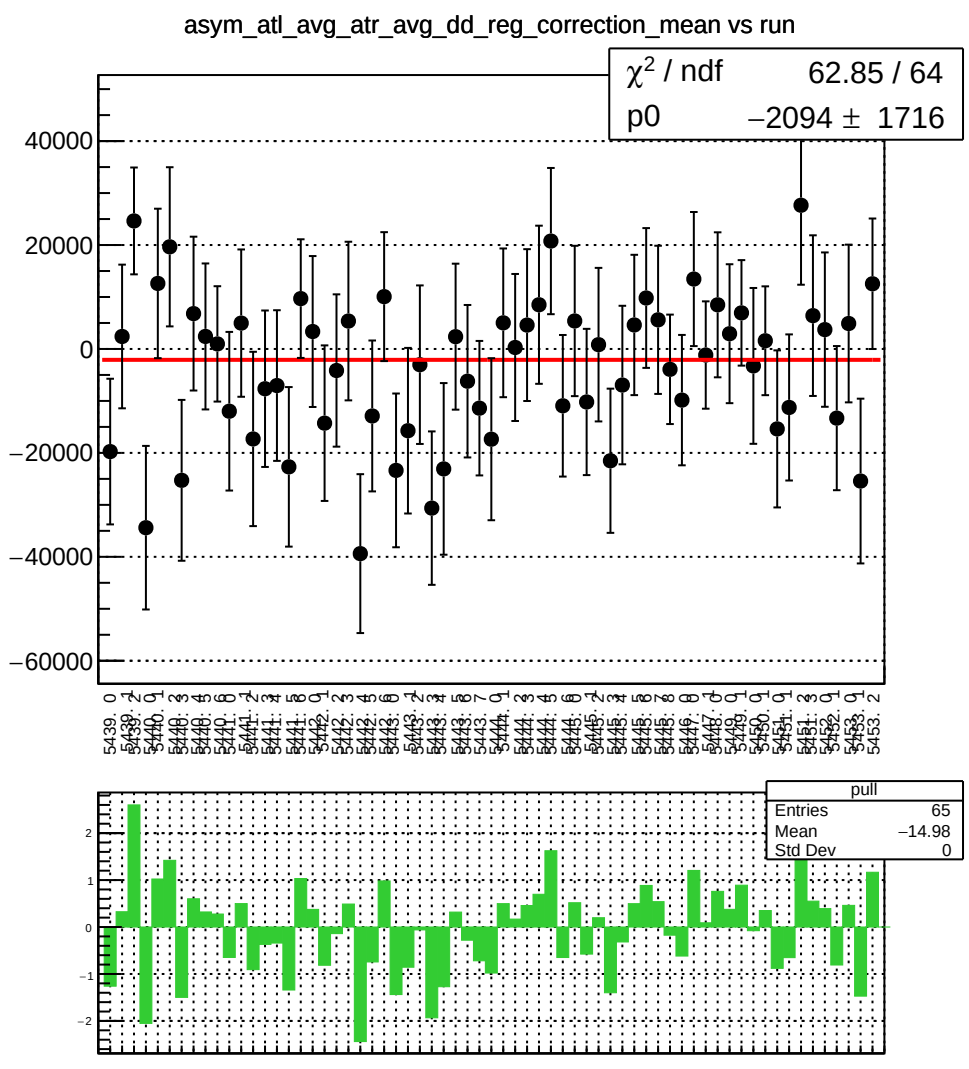

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.34 / 64
p0 −8.609e−15 ± 1.36e−13
pull
Entries 65
Mean 31.91
Std Dev 18.25

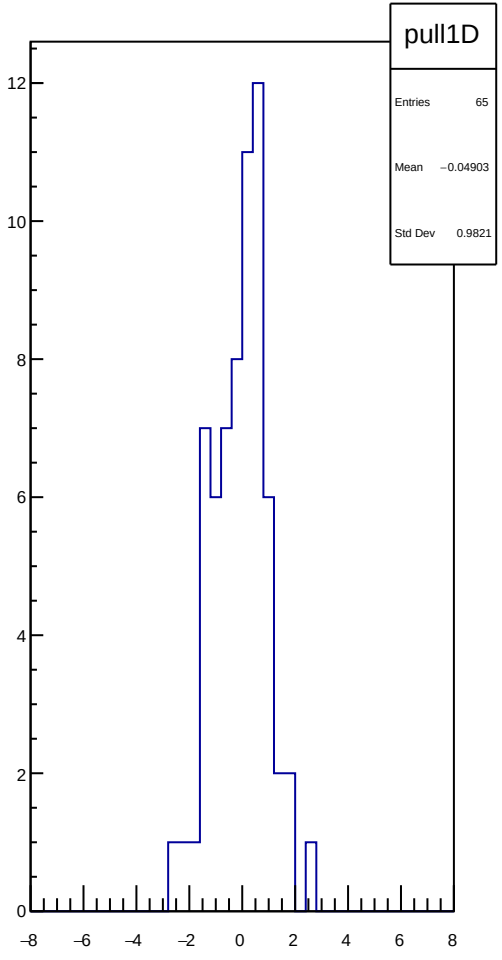

pull1D
Entries 65
Mean 0.06445
Std Dev 1.075

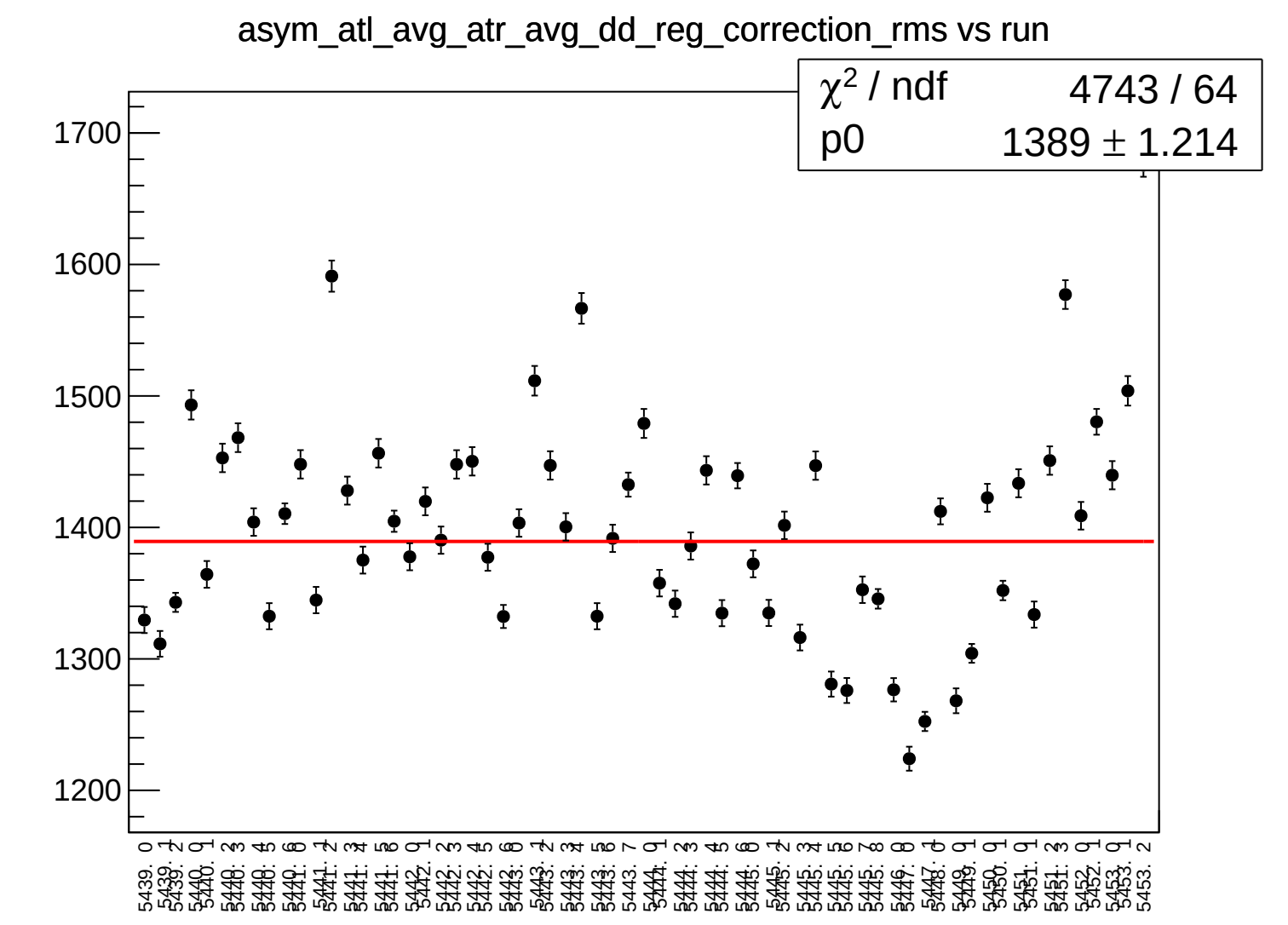

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.254e+05 / 64
p0 9.075e−11 ± 9.619e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

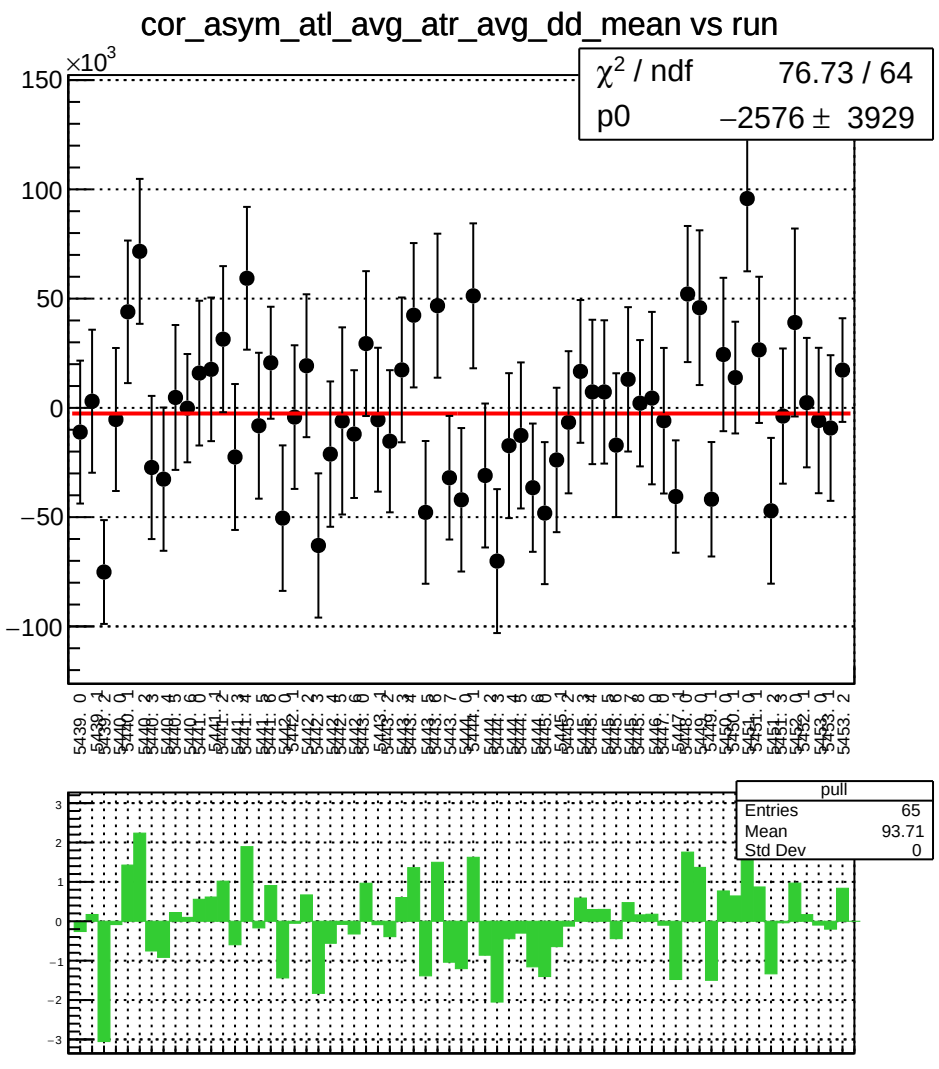

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 76.68 / 64
p0 −2598 ± 3929
×10³
150
100
50
0
−50
−100
pull
Entries 65
Mean 93.81
Std Dev 0
pull1D
Entries 65
Mean 0.02789
Std Dev 1.086

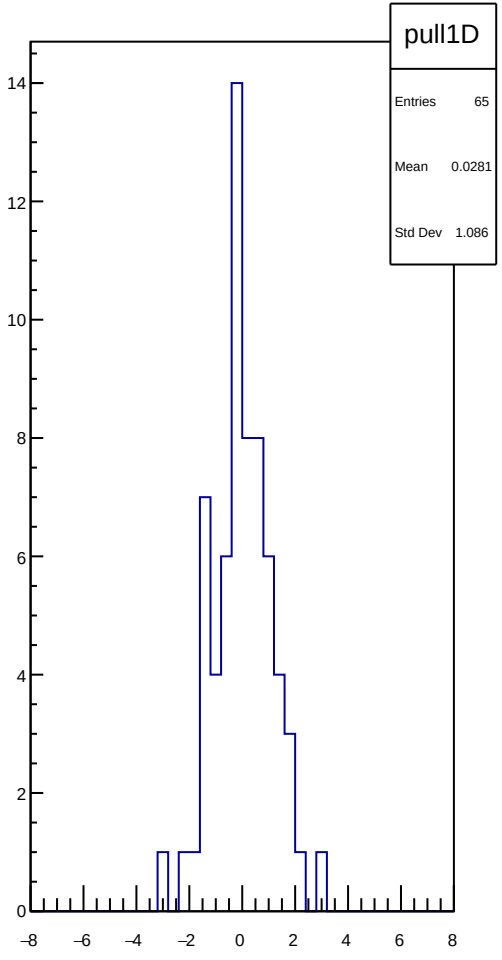

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3814 / 64
p0 3182 ± 2.778
4200
4000
3800
3600
3400
3200
3000

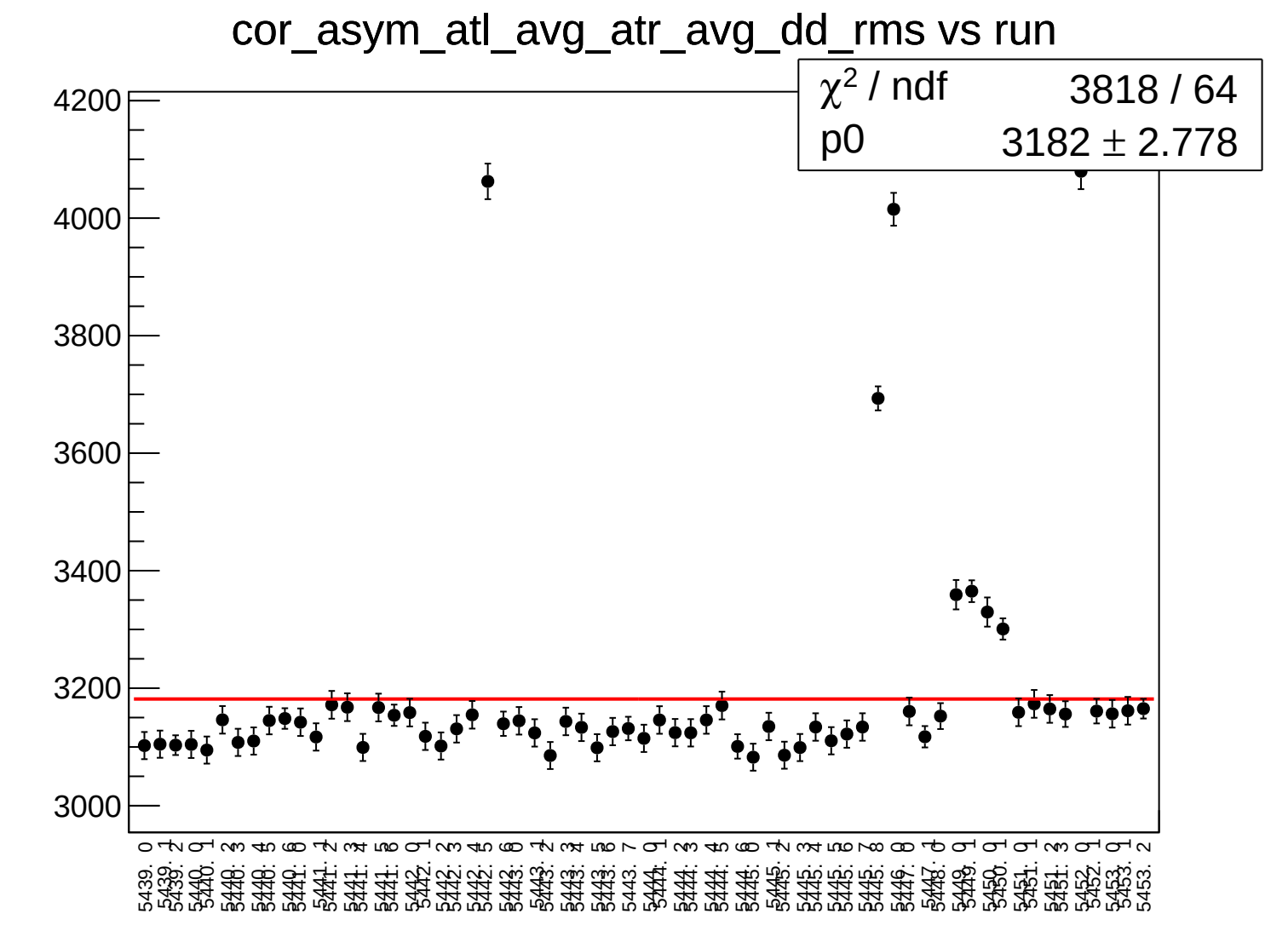

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 62.85 / 64
p0 −2094 ± 1716
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −14.98
Std Dev 0
2
1
0
−1
−2

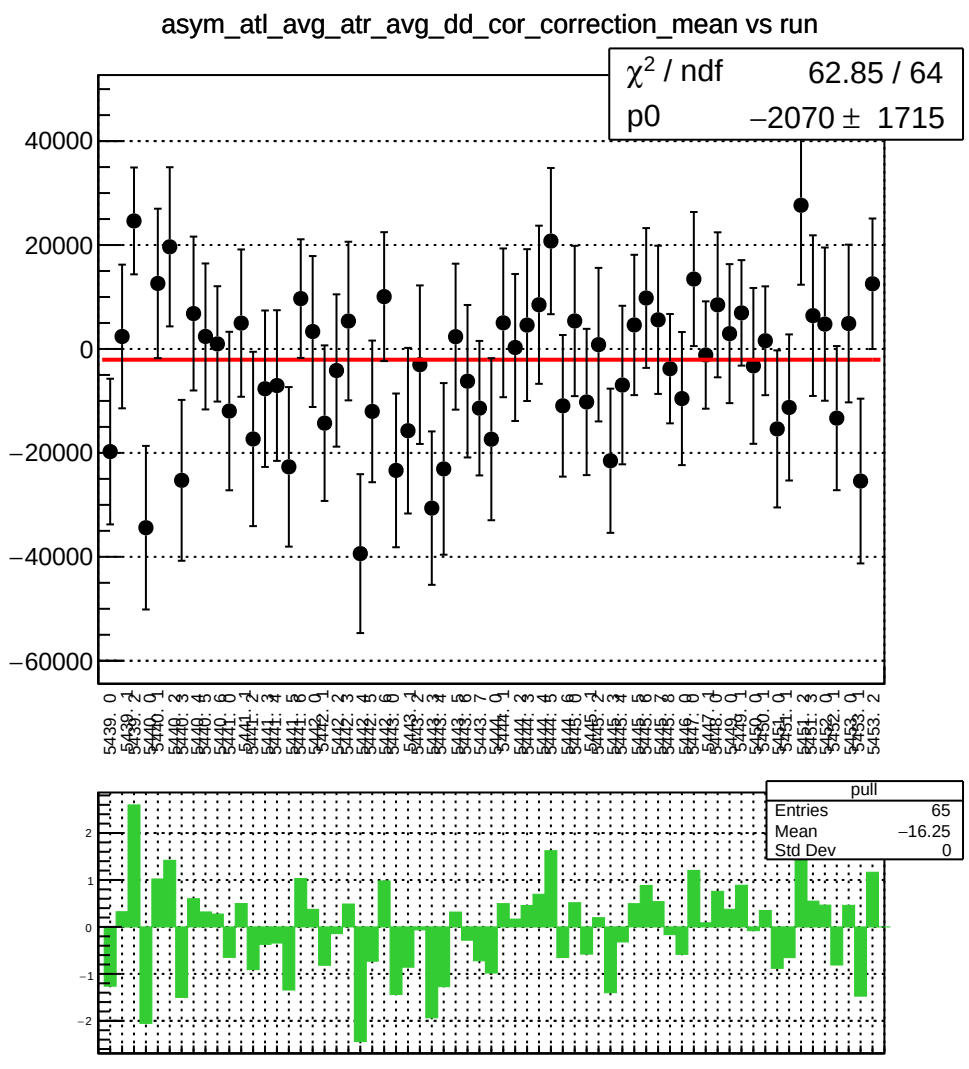

pull1D
Entries 65
Mean −0.04903
Std Dev 0.9821
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

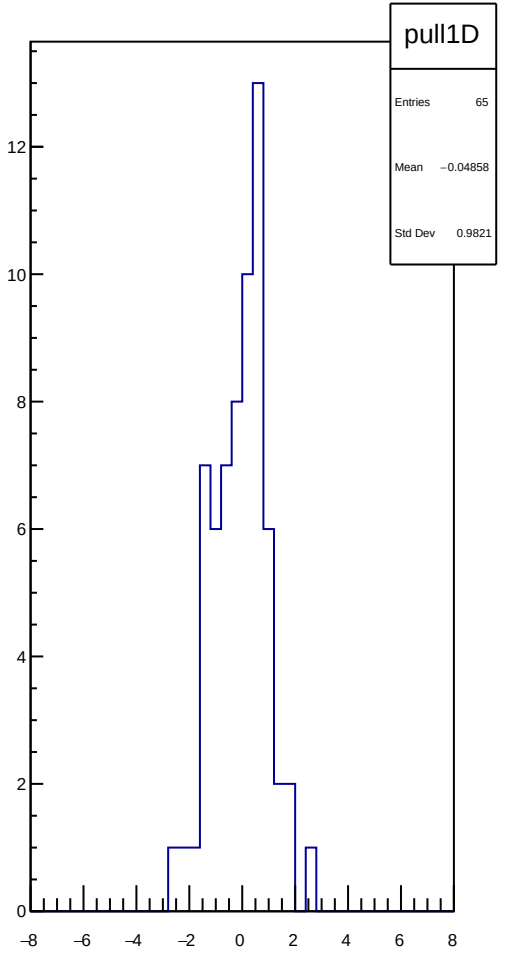

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 4743 / 64
p0 1389 ± 1.214
1700
1600
1500
1400
1300
1200

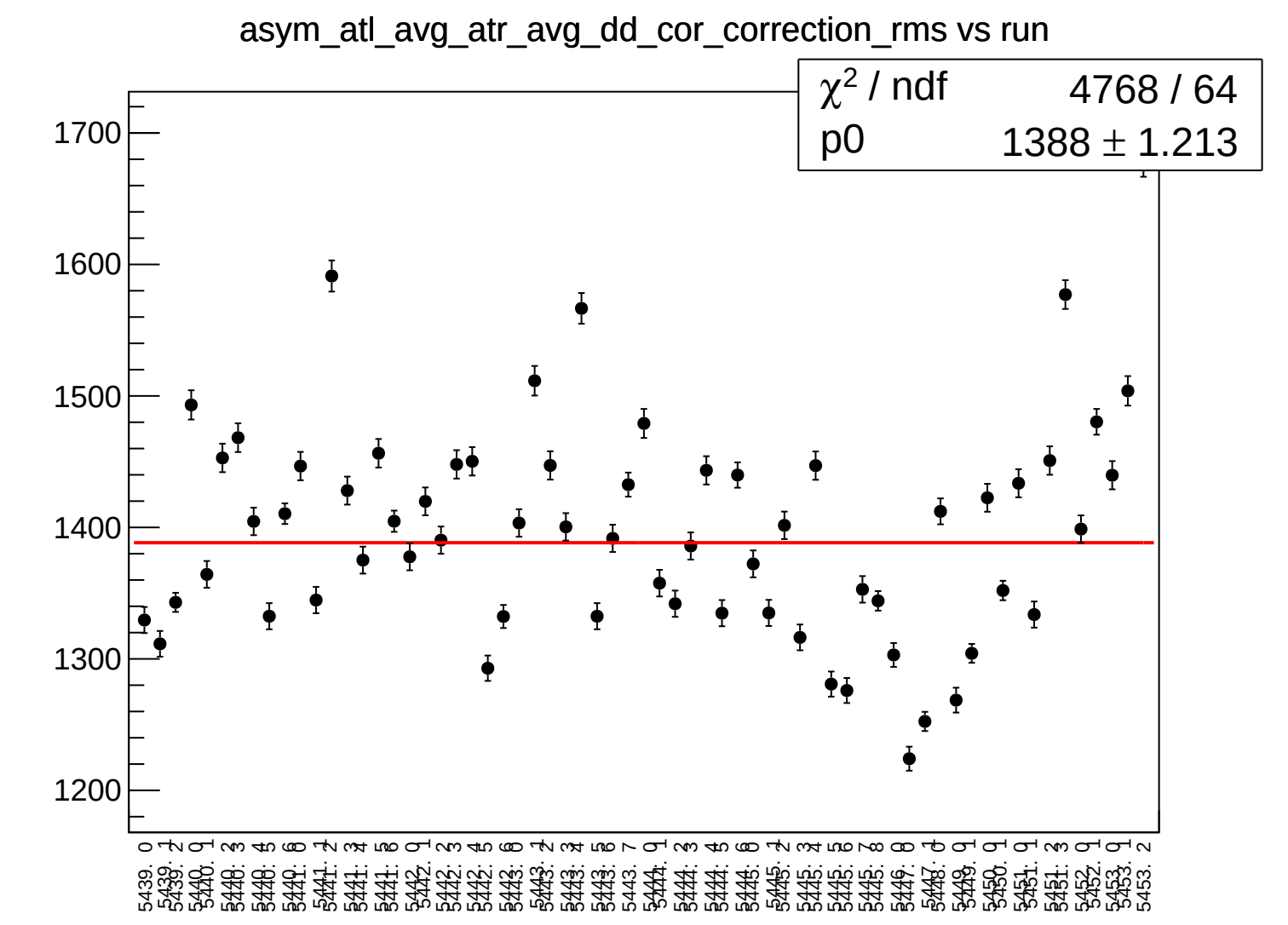

cor_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 76.73 / 64
p0 −2576 ± 3929
150
100
50
0
−50
−100
pull
Entries 65
Mean 93.71
Std Dev 0
3
2
1
0
−1
−2
−3

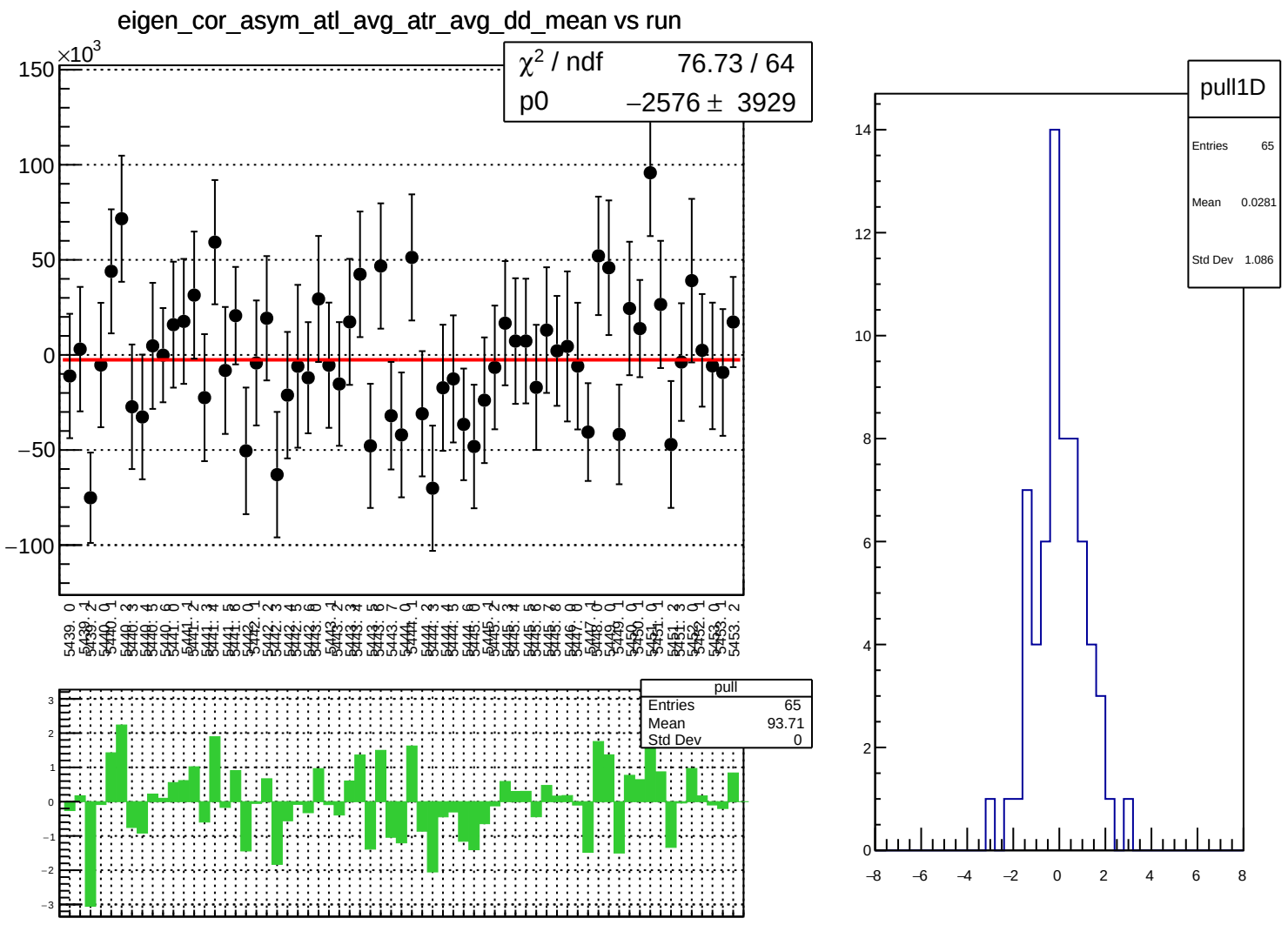

pull1D
Entries 65
Mean 0.0281
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

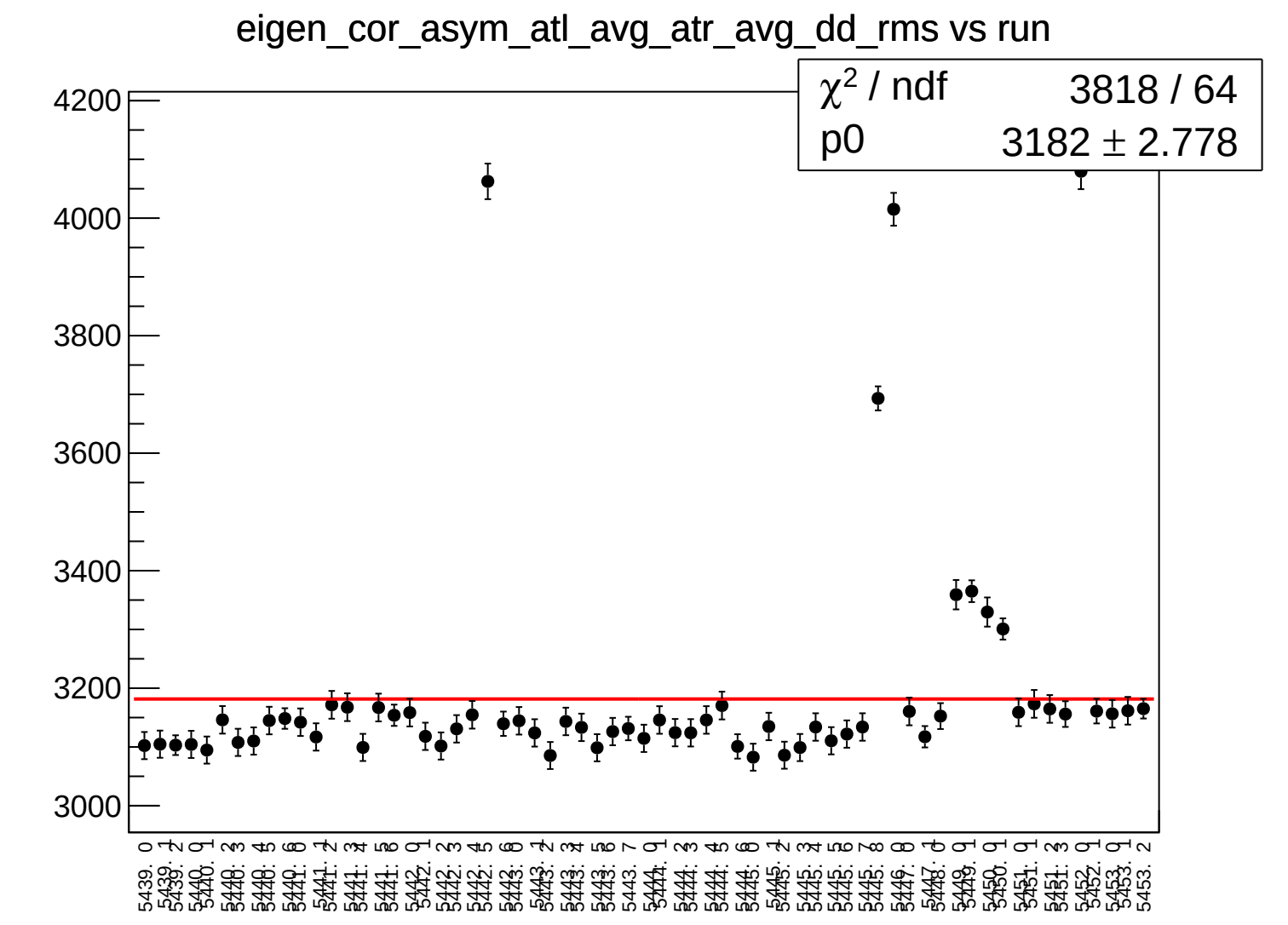

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3818 / 64
p0 3182 ± 2.778
4200
4000
3800
3600
3400
3200
3000

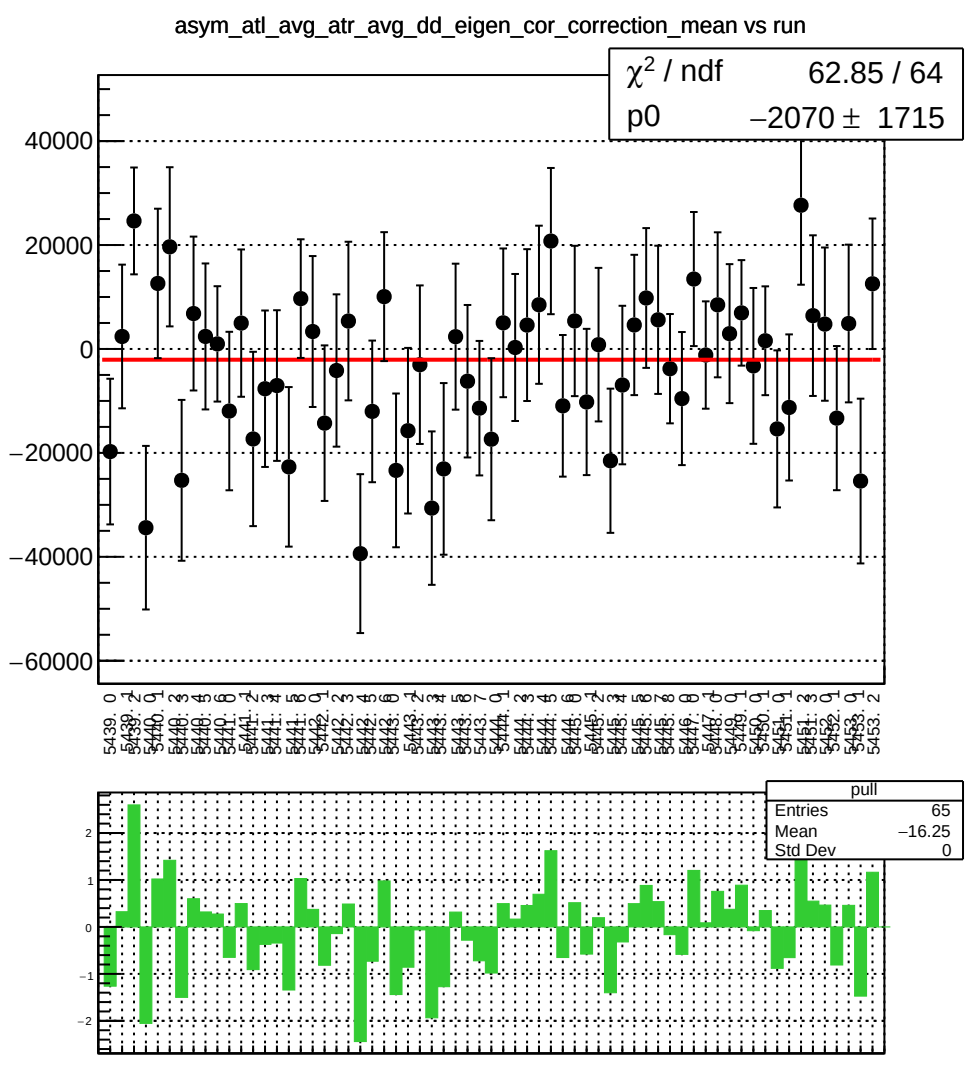

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 62.85 / 64
p0 −2070 ± 1715
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −16.25
Std Dev 0
2
1
0
−1
−2

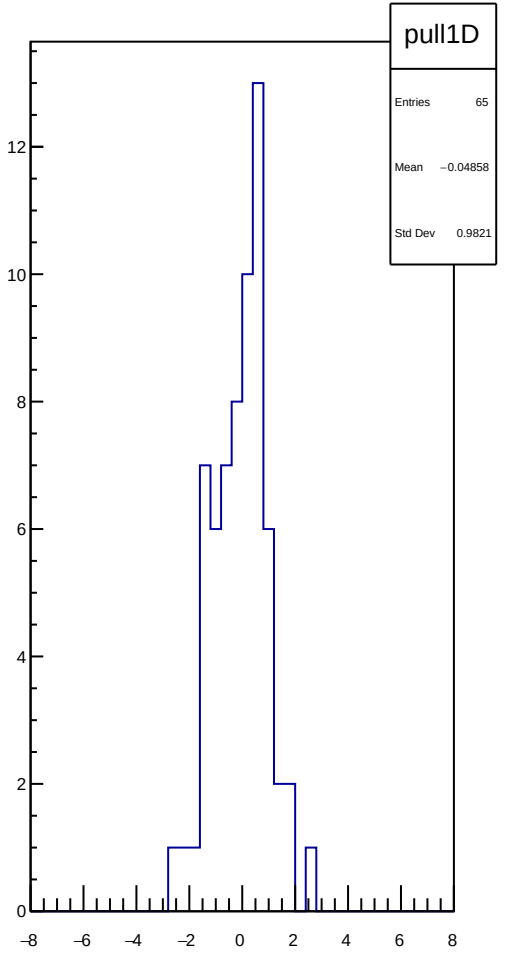

pull1D
Entries 65
Mean −0.04858
Std Dev 0.9821
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

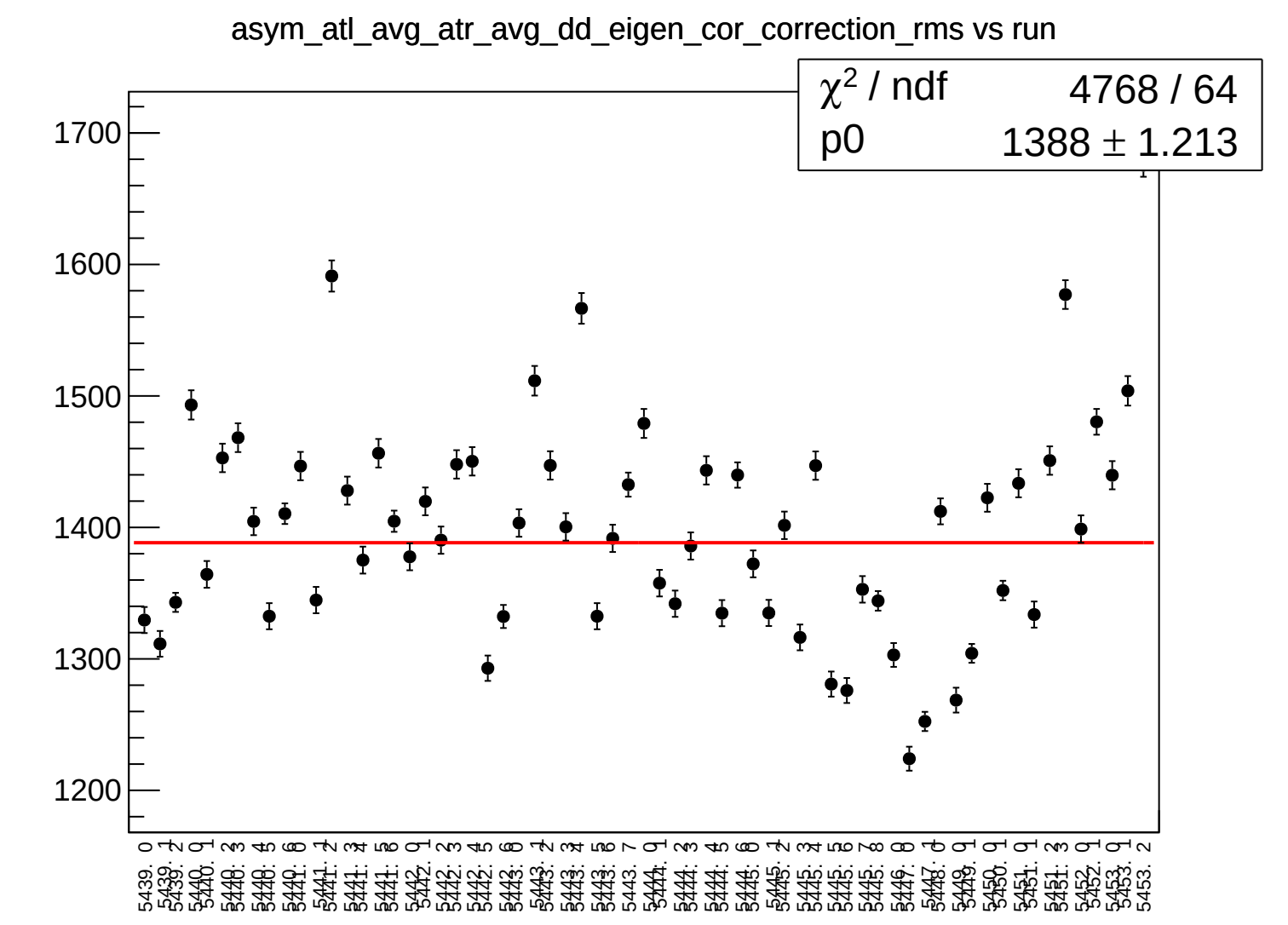

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 4768 / 64
p0 1388 ± 1.213
1700
1600
1500
1400
1300
1200

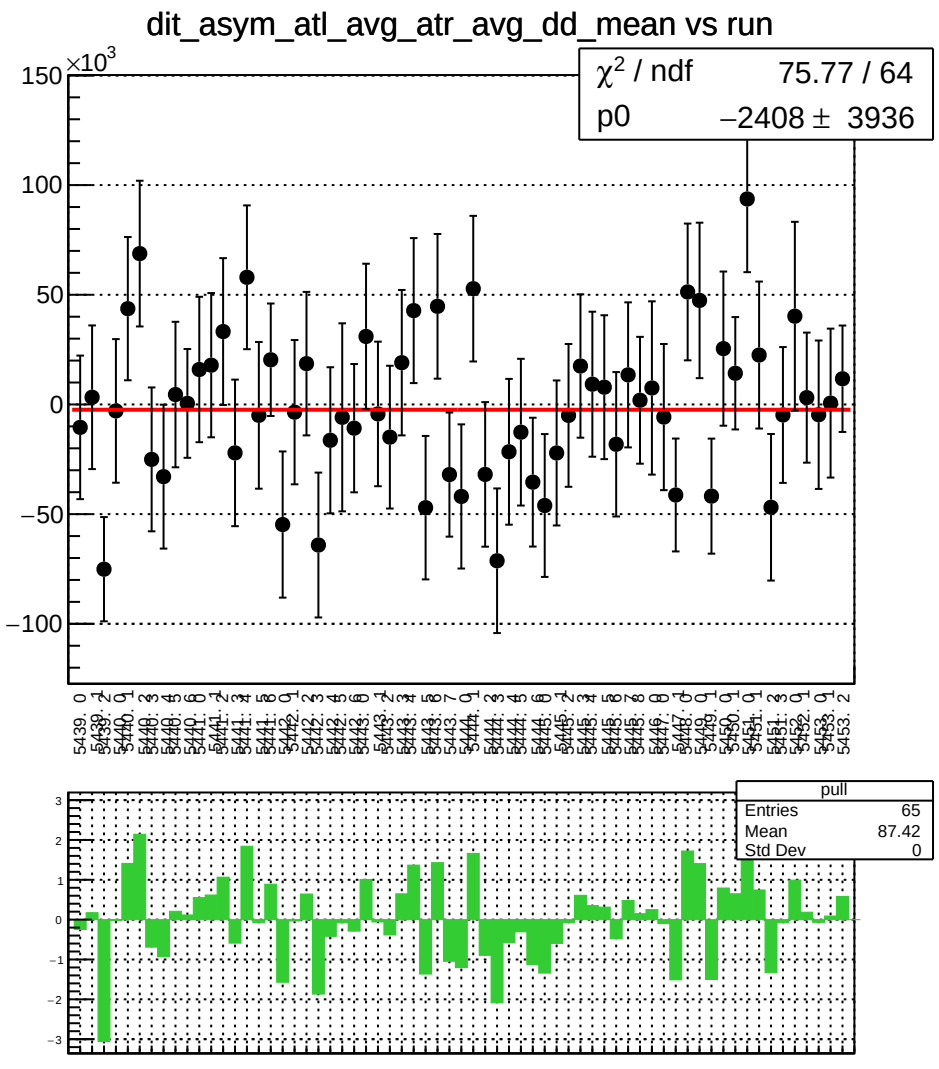

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 76.73 / 64
p0 −2576 ± 3929
150
100
50
0
−50
−100
pull
Entries 65
Mean 93.71
Std Dev 0
pull1D
Entries 65
Mean 0.0281
Std Dev 1.086

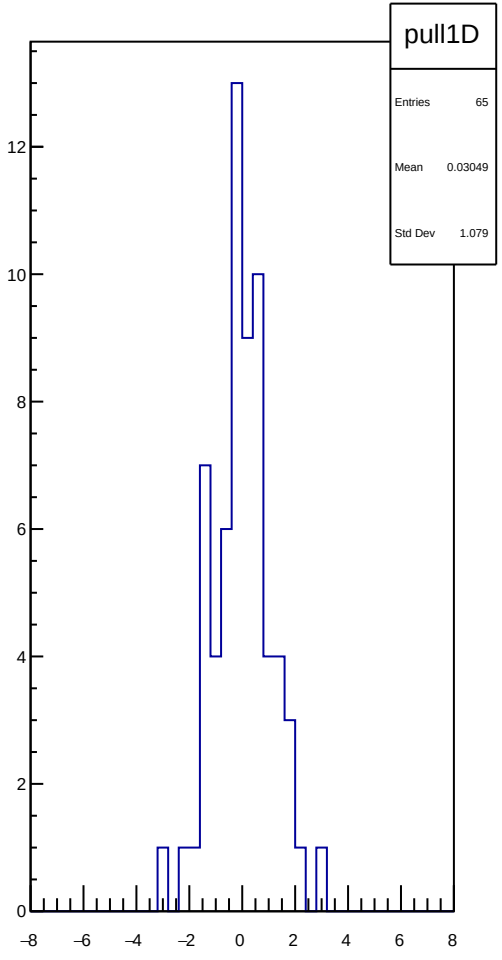

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3818 / 64
p0 3182 ± 2.778
4200
4000
3800
3600
3400
3200
3000

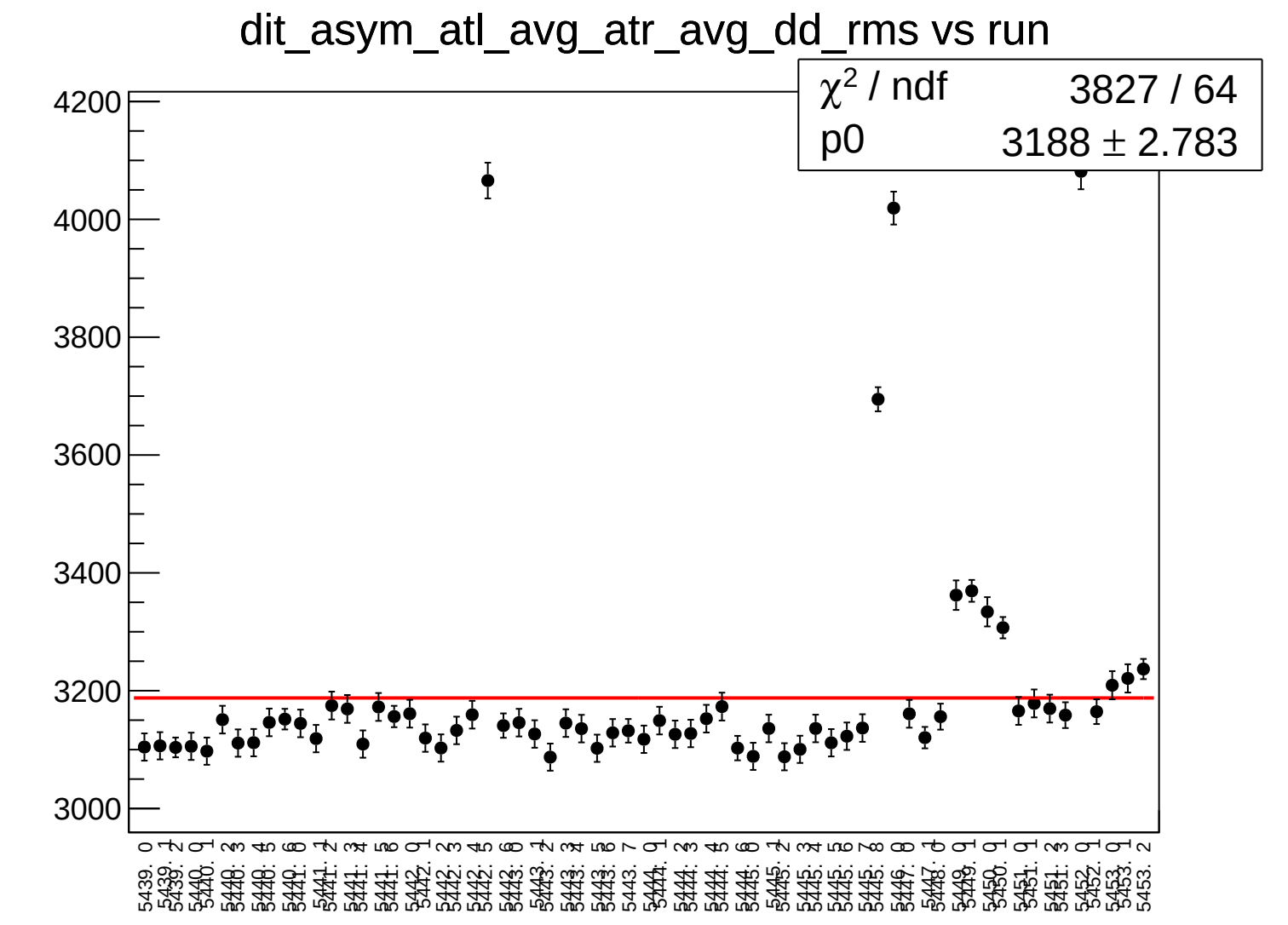

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.85 / 64
p0 −2070 ± 1715
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −16.25
Std Dev 0
2
1
0
−1
−2

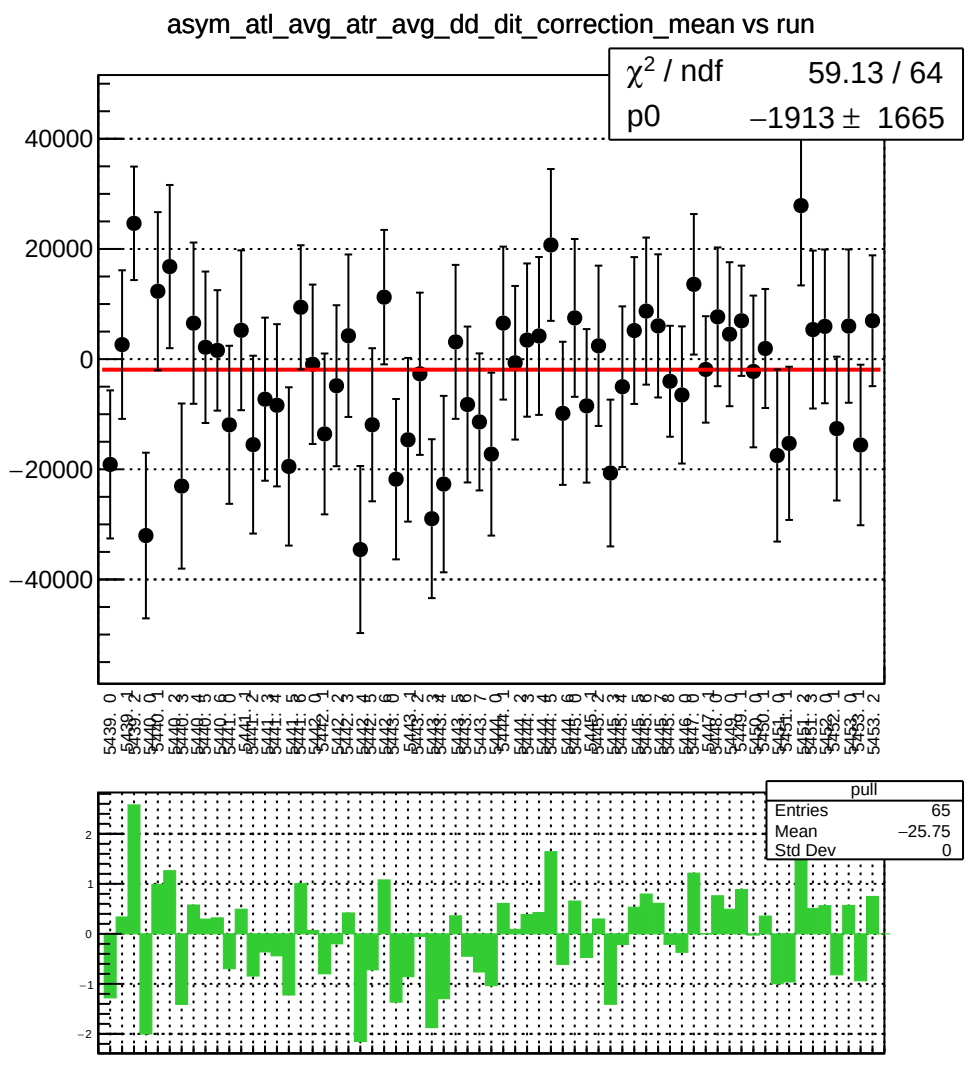

pull1D
Entries 65
Mean −0.04858
Std Dev 0.9821
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

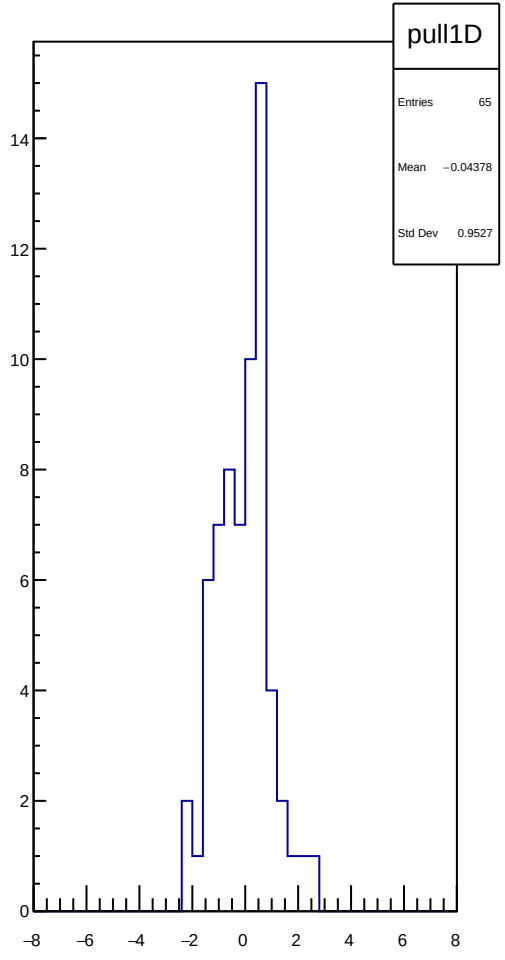

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4768 / 64
p0 1388 ± 1.213
1700
1600
1500
1400
1300
1200

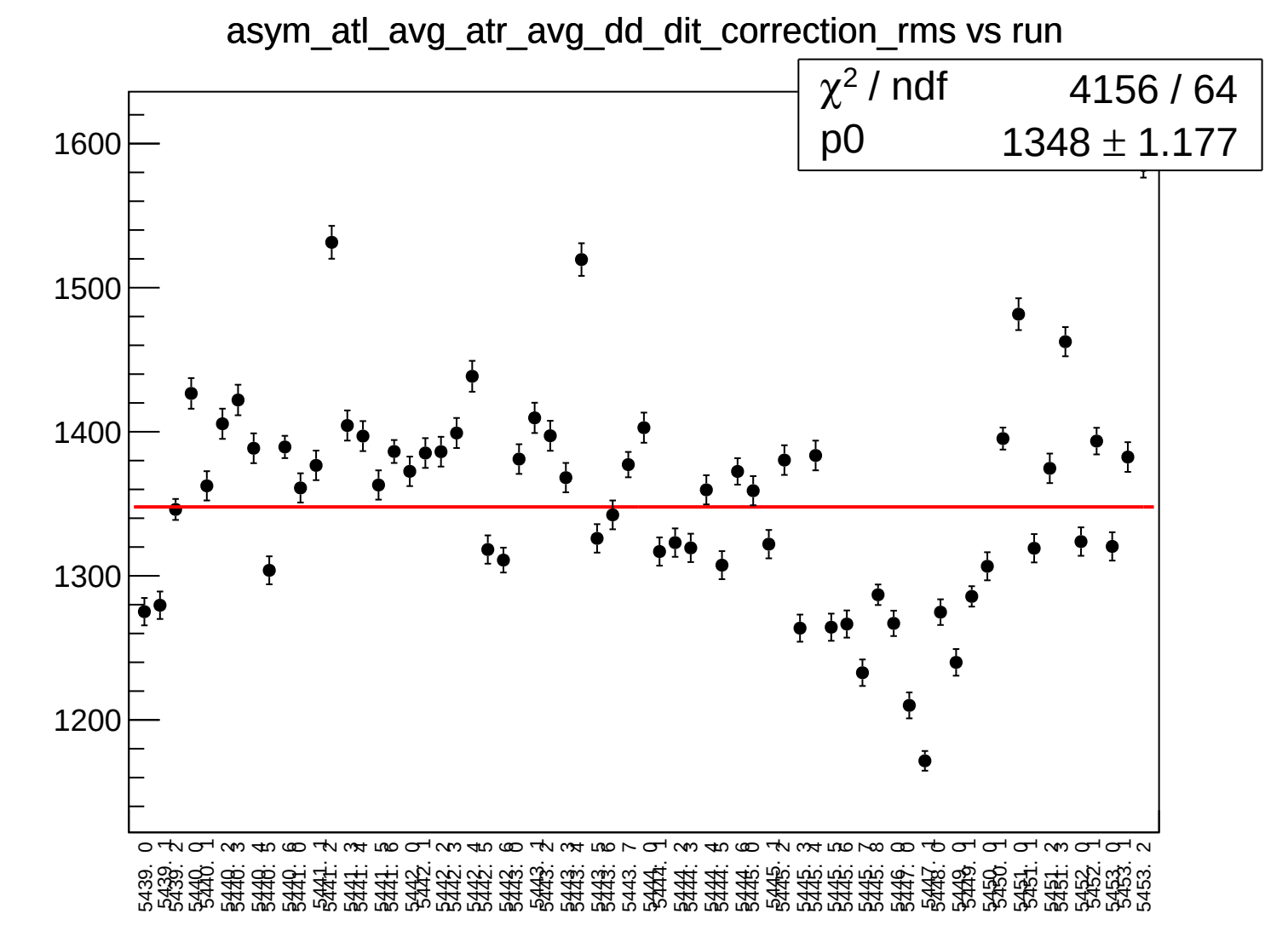

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 75.77 / 64
p0 −2408 ± 3936
×10³
150
100
50
0
−50
−100
pull
Entries 65
Mean 87.42
Std Dev 0

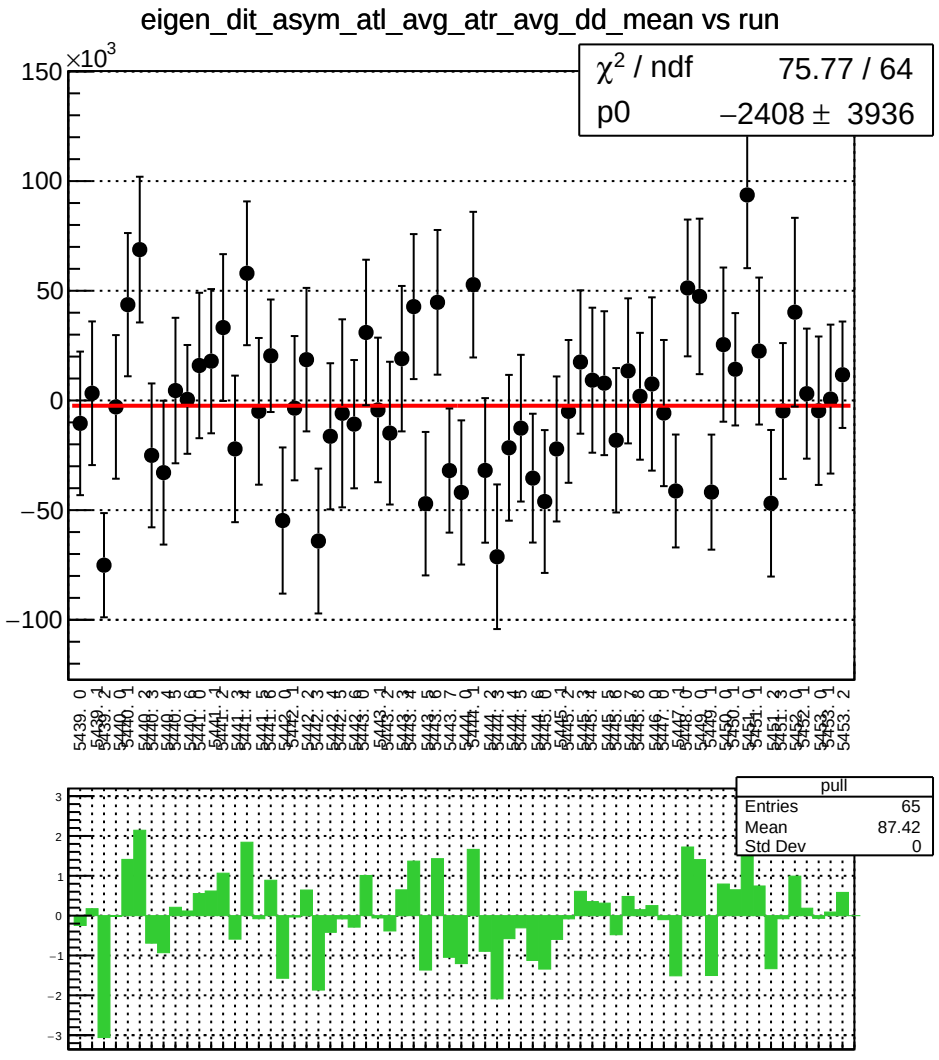

pull1D
Entries 65
Mean 0.03049
Std Dev 1.079

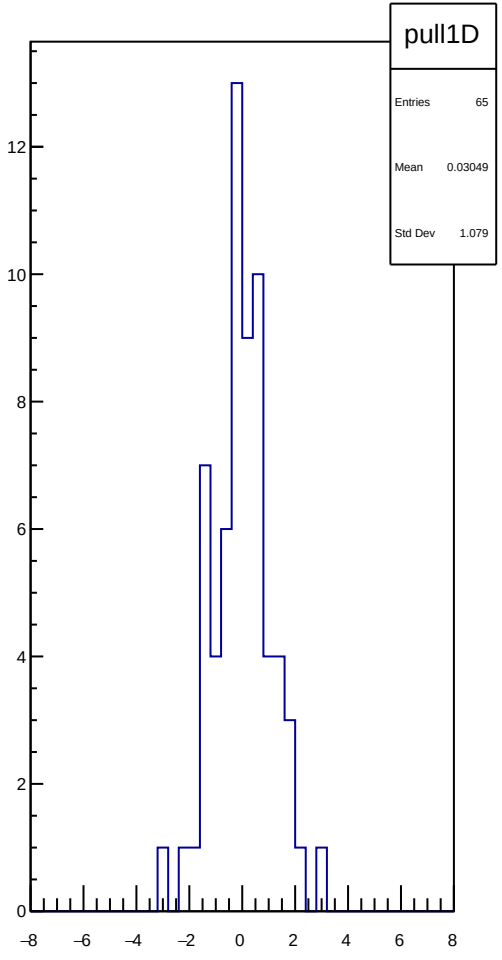

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3827 / 64
p0 3188 ± 2.783
4200
4000
3800
3600
3400
3200
3000

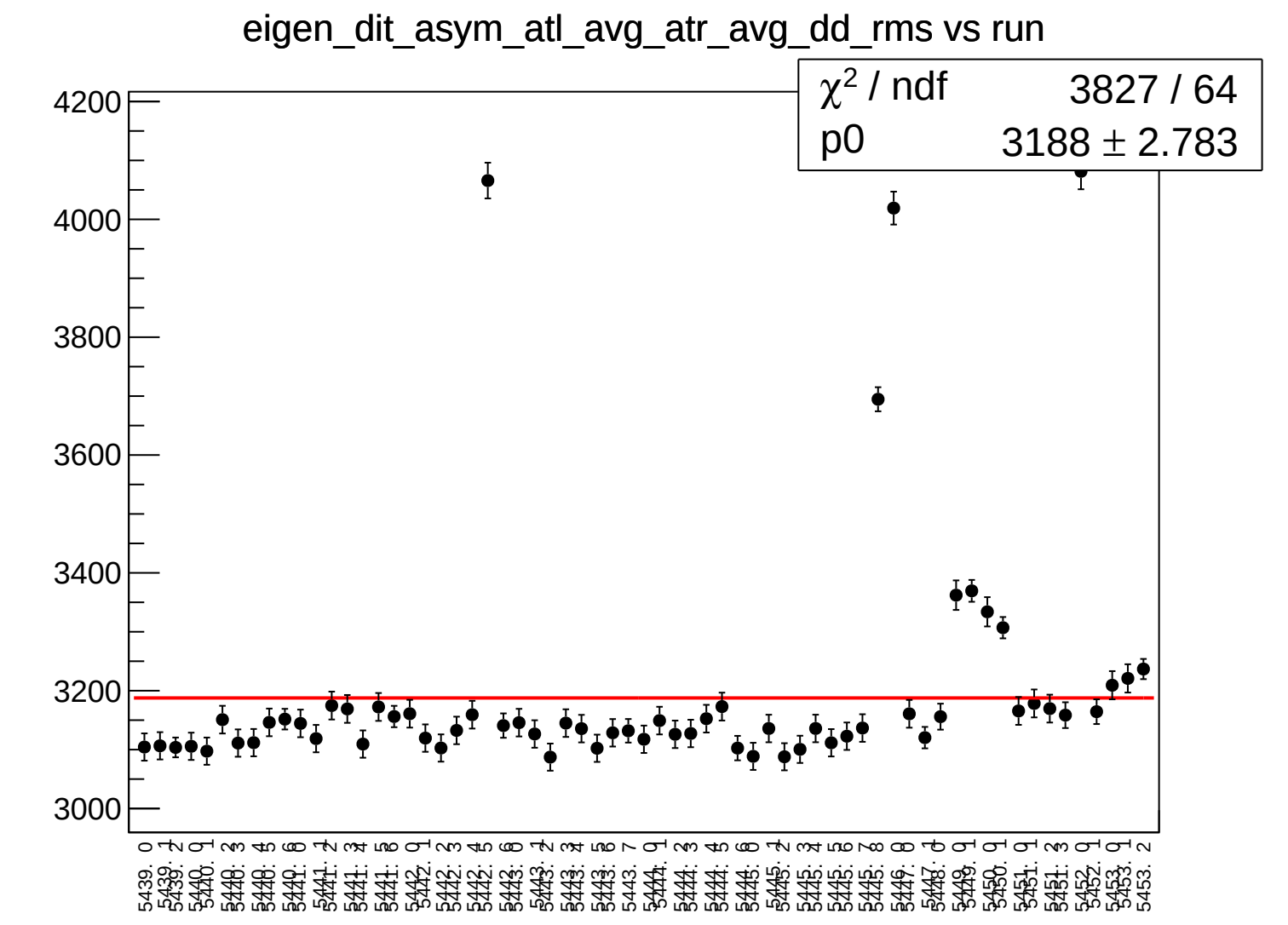

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 59.13 / 64
p0 −1913 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −25.75
Std Dev 0
2
1
0
−1
−2

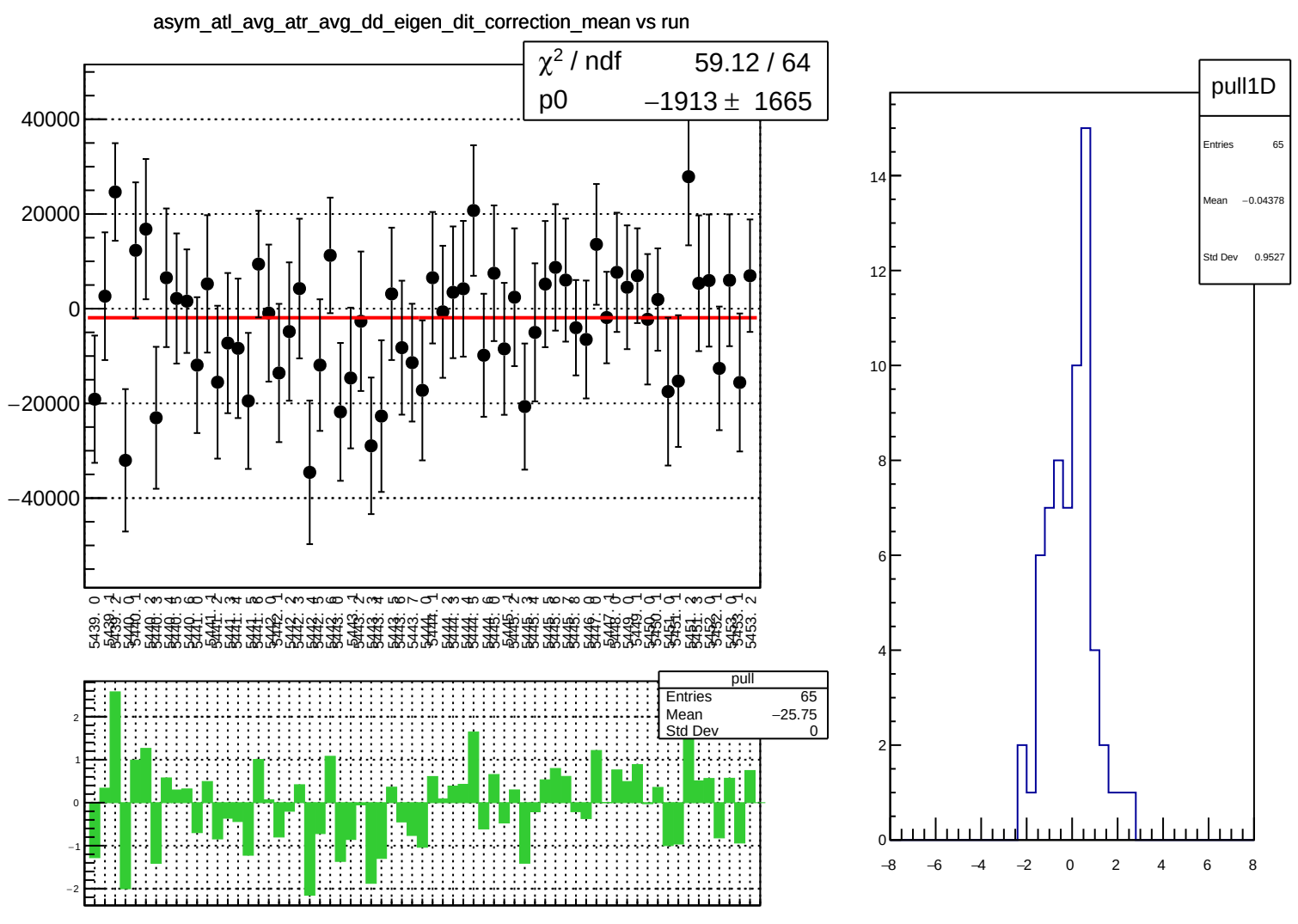

pull1D
Entries 65
Mean −0.04378
Std Dev 0.9527
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

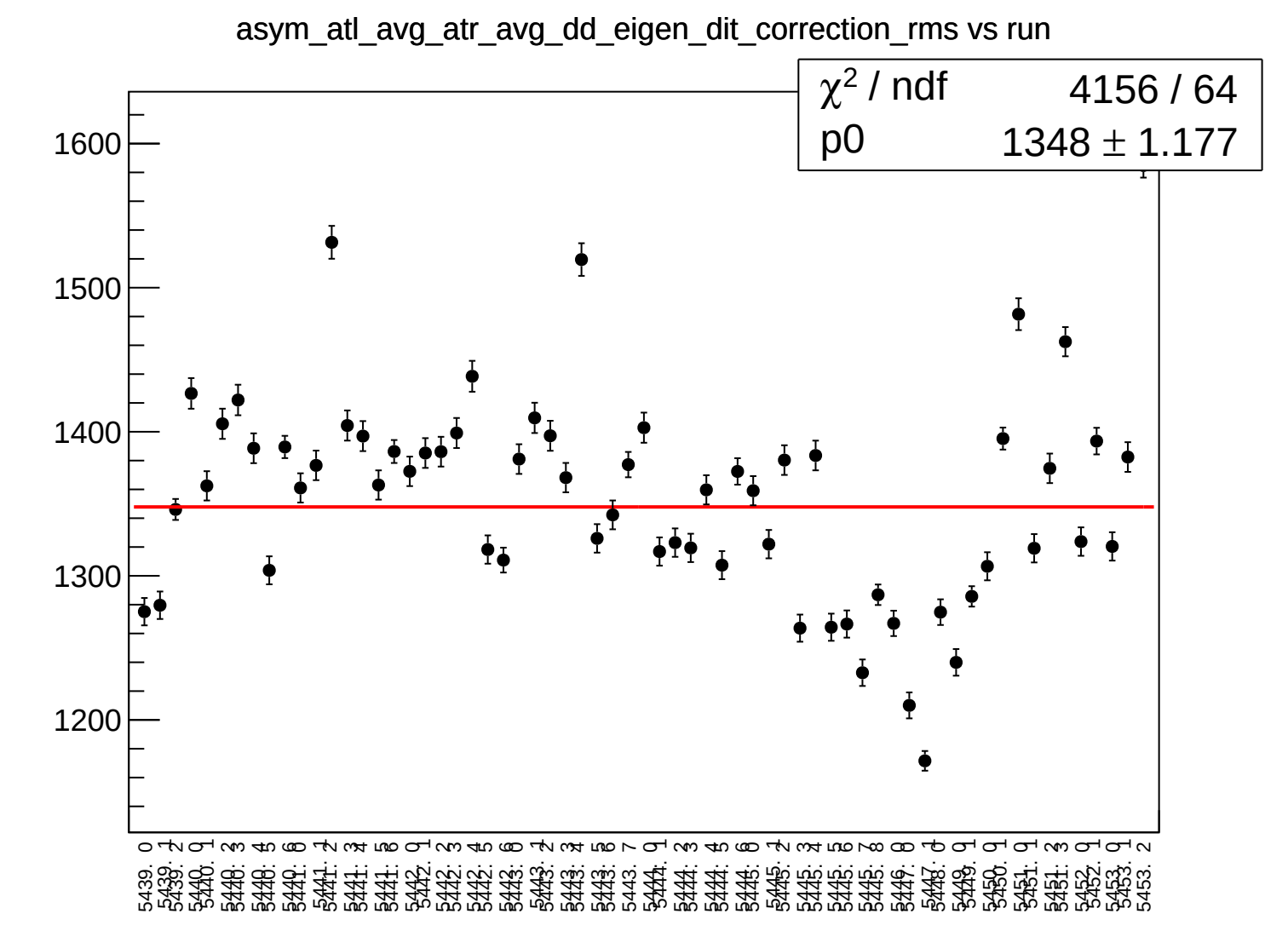

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 4156 / 64
p0 1348 ± 1.177
1600
1500
1400
1300
1200

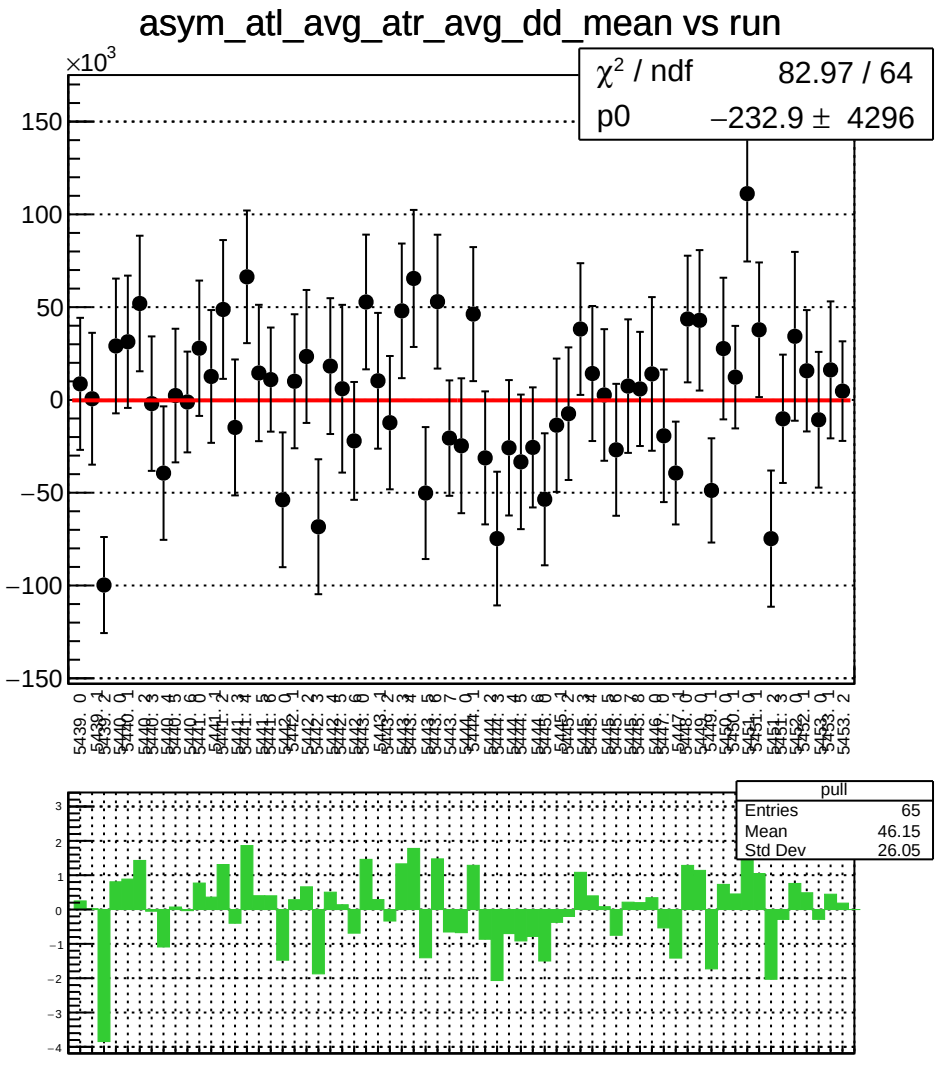

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 75.77 / 64
p0 −2408 ± 3936
×10³
150
100
50
0
−50
−100
pull
Entries 65
Mean 87.42
Std Dev 0
3
2
1
0
−1
−2
−3

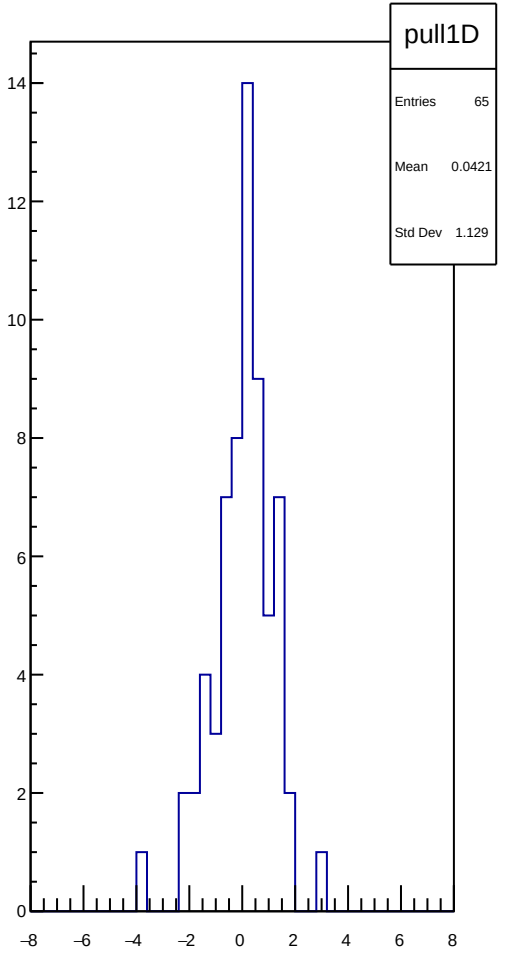

pull1D
Entries 65
Mean 0.03049
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

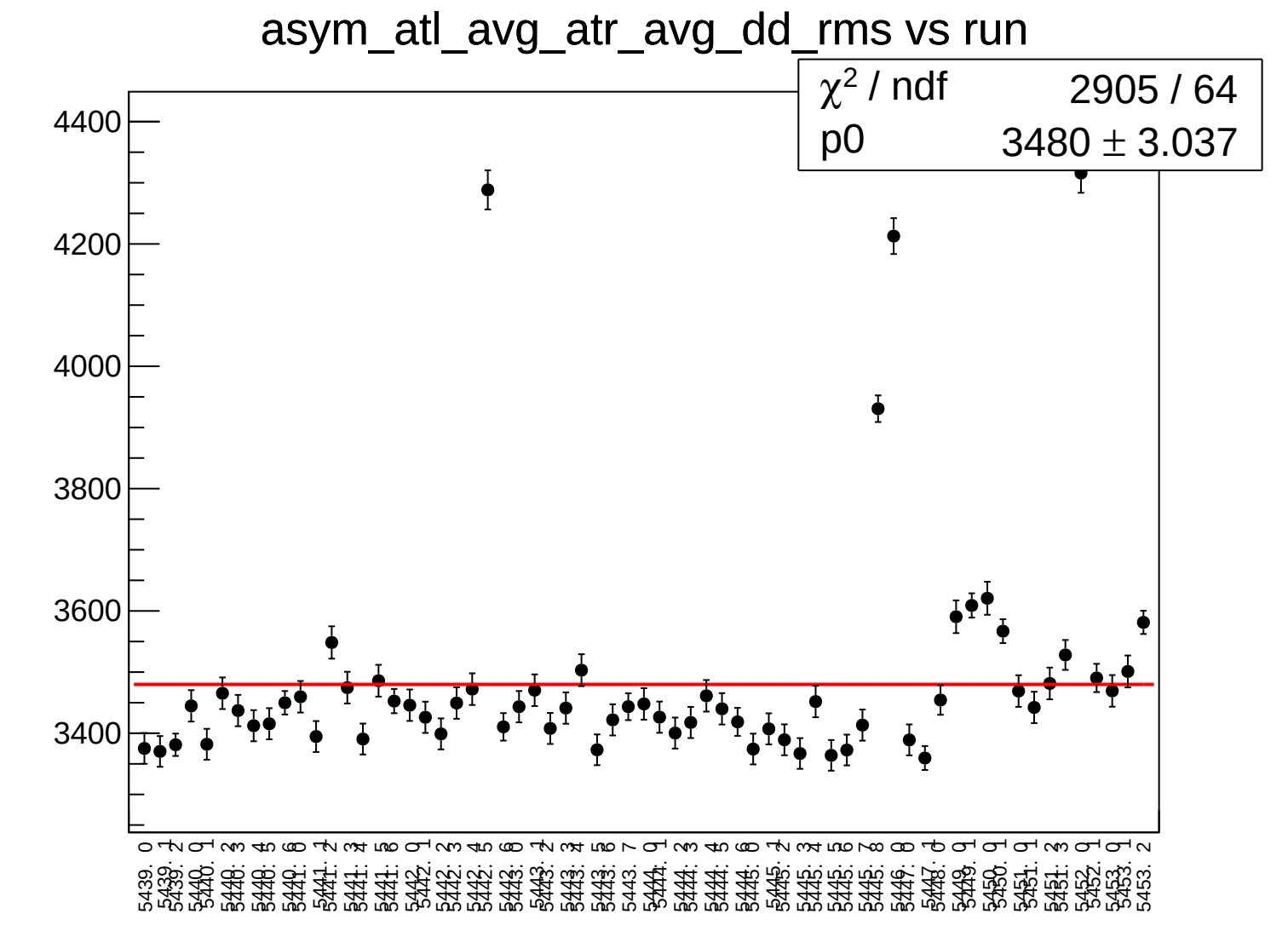

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3827 / 64
p0 3188 ± 2.783
4200
4000
3800
3600
3400
3200
3000

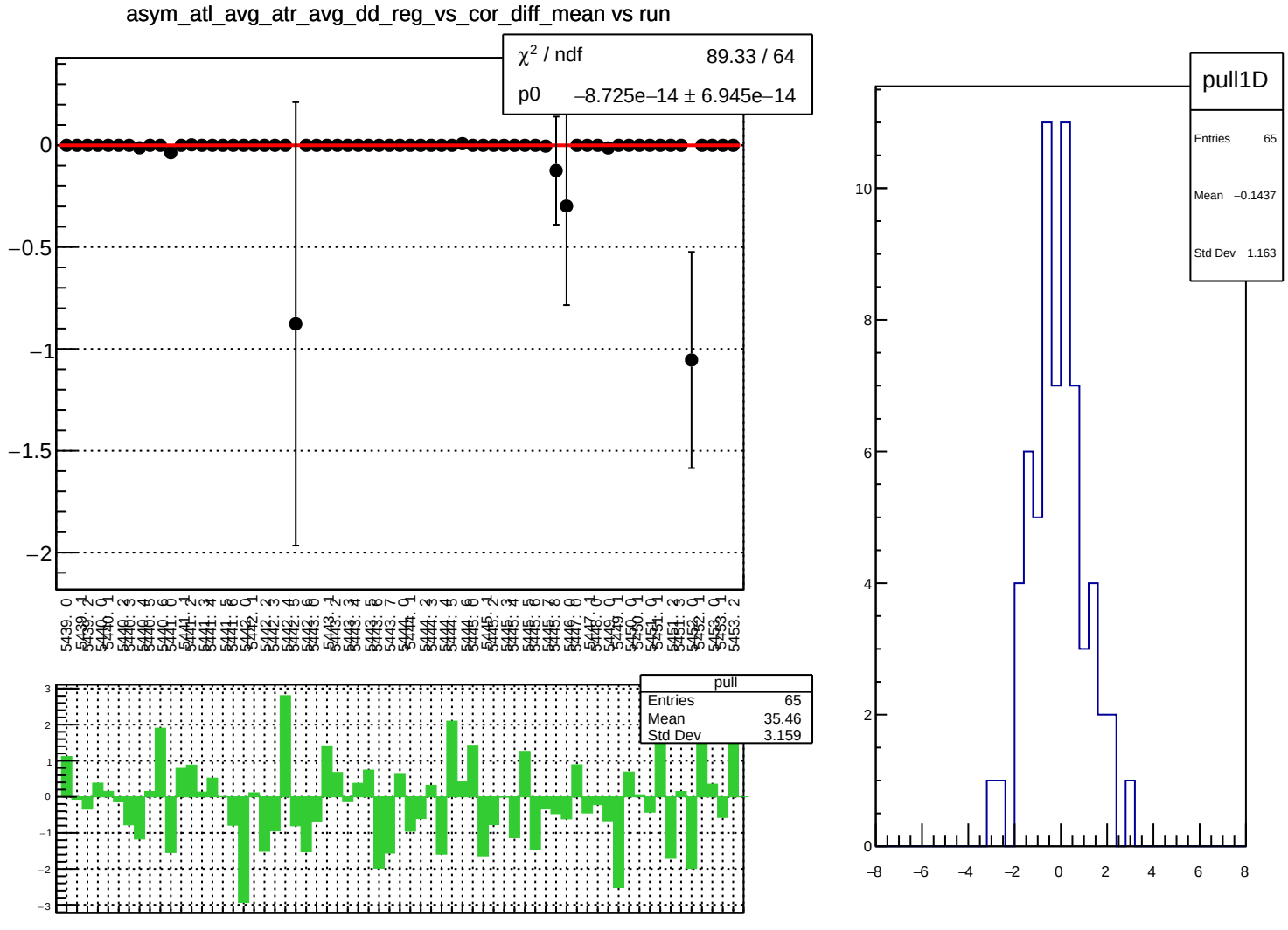

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.12 / 64
p0 −1913 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −25.75
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 65
Mean −0.04378
Std Dev 0.9527
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

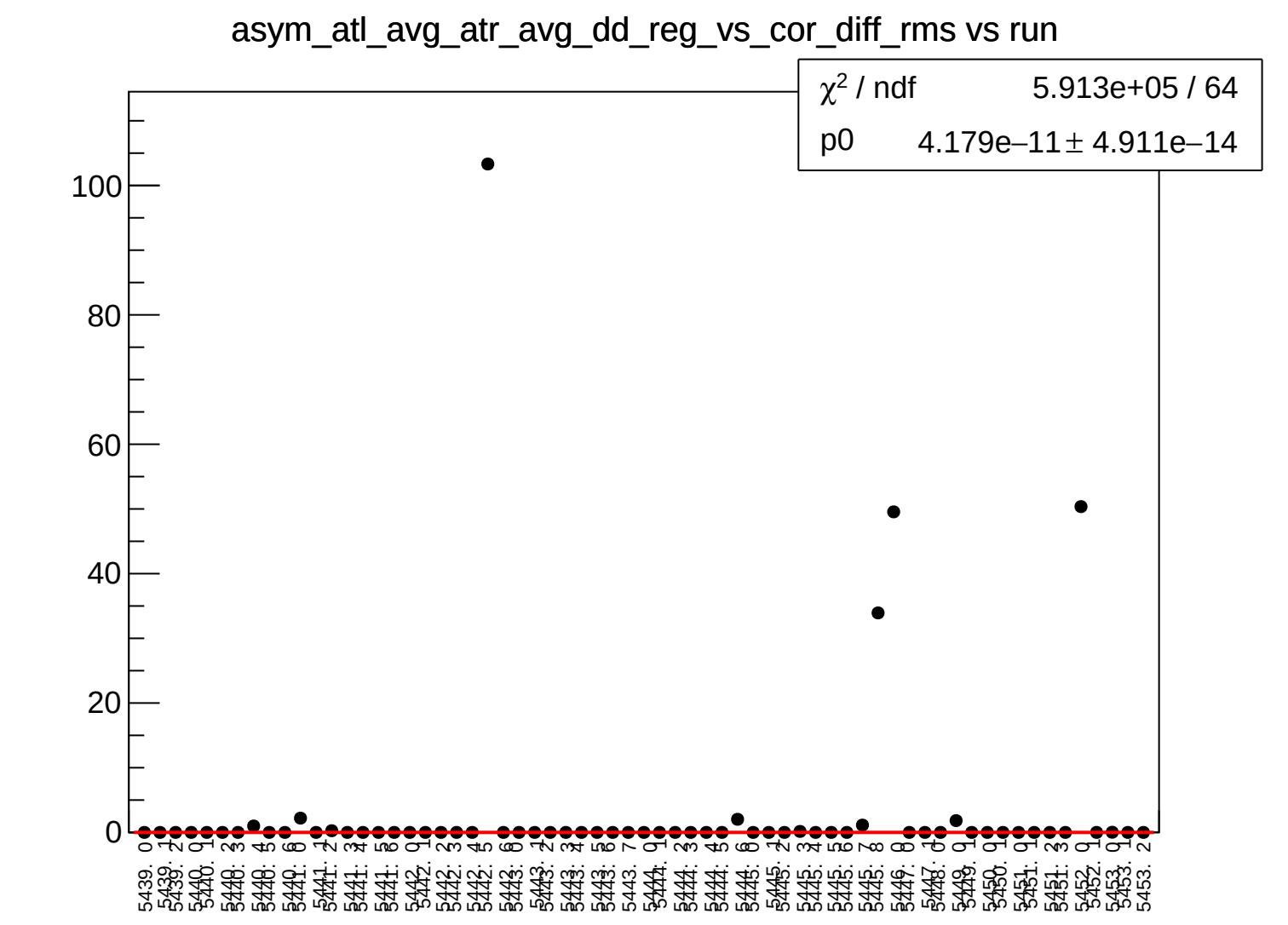

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4156 / 64
p0 1348 ± 1.177
1600
1500
1400
1300
1200

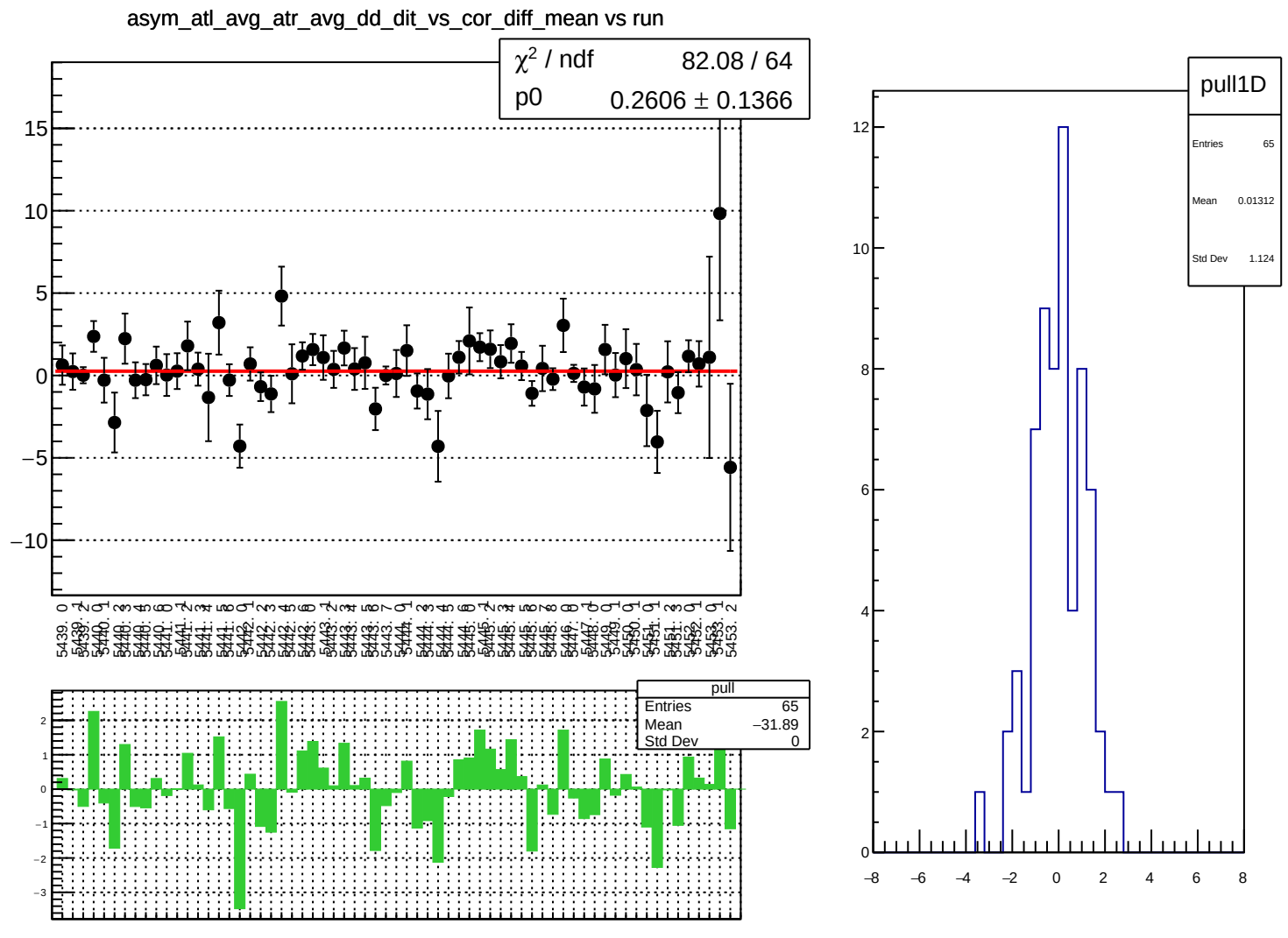

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 82.97 / 64
p0 −232.9 ± 4296
×10³
pull
Entries 65
Mean 46.15
Std Dev 26.05

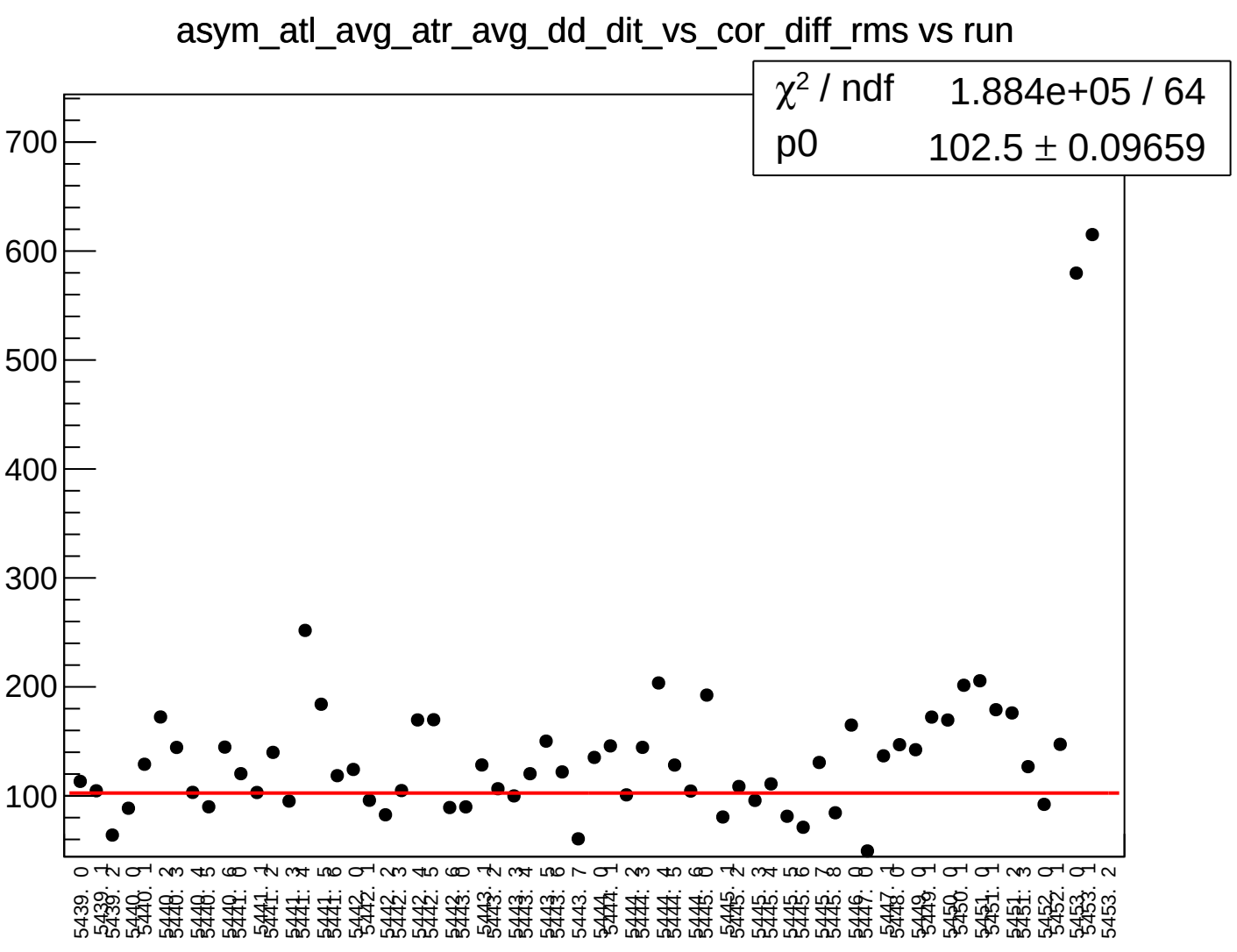

pull1D
Entries 65
Mean 0.0421
Std Dev 1.129

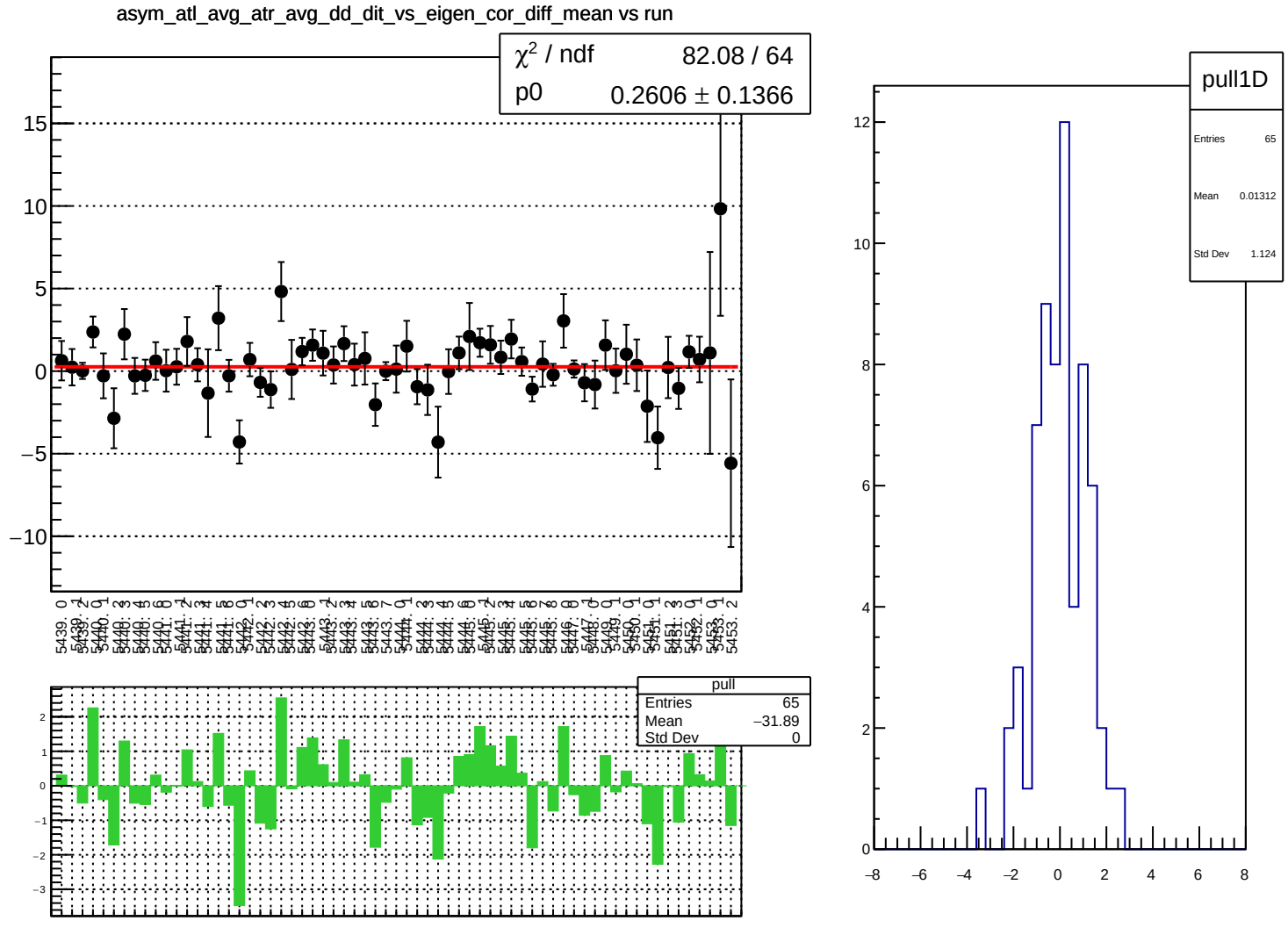

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2905 / 64
p0 3480 ± 3.037
4400
4200
4000
3800
3600
3400

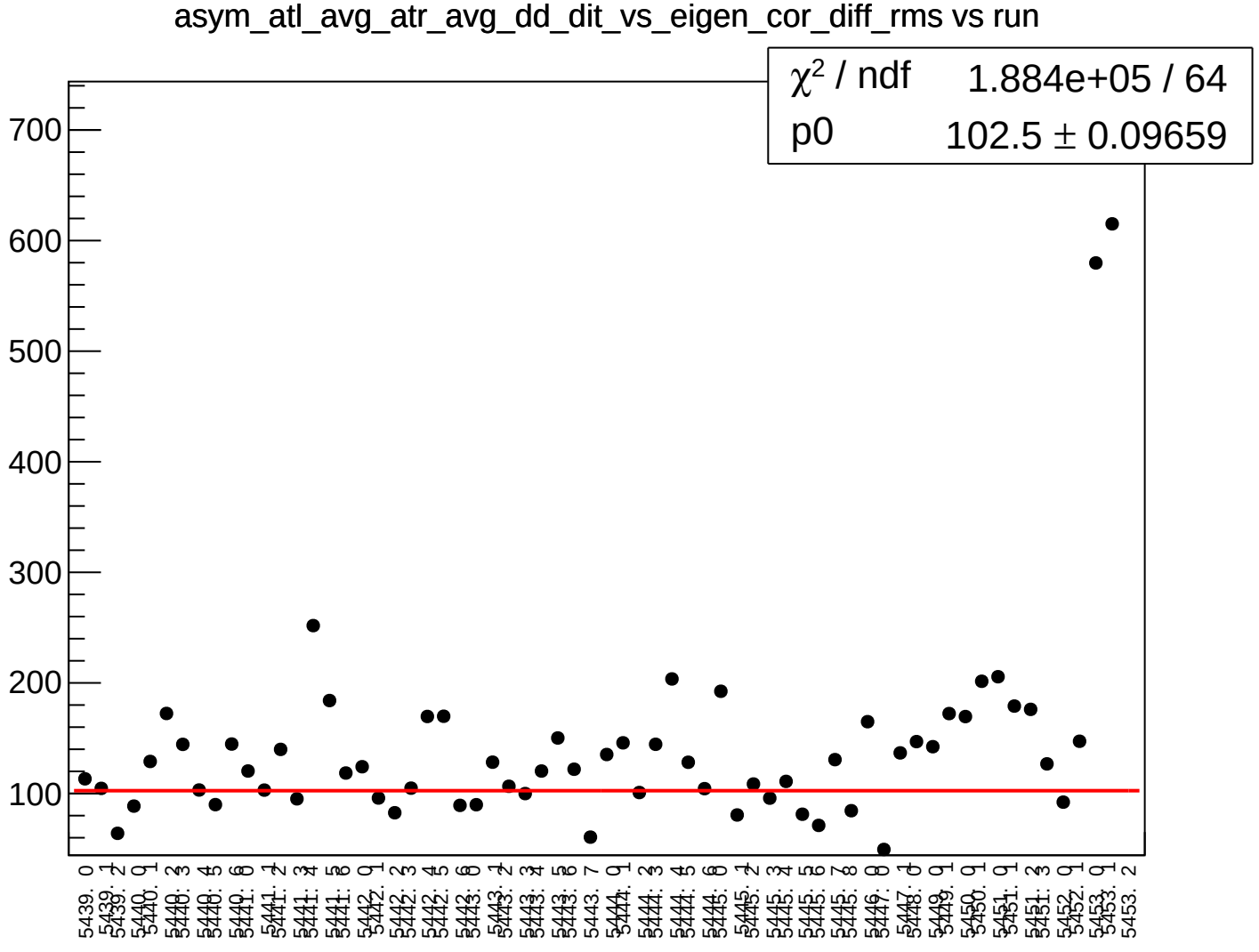

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 89.33 / 64
p0 −8.725e−14 ± 6.945e−14
pull
Entries 65
Mean 35.46
Std Dev 3.159
pull1D
Entries 65
Mean −0.1437
Std Dev 1.163

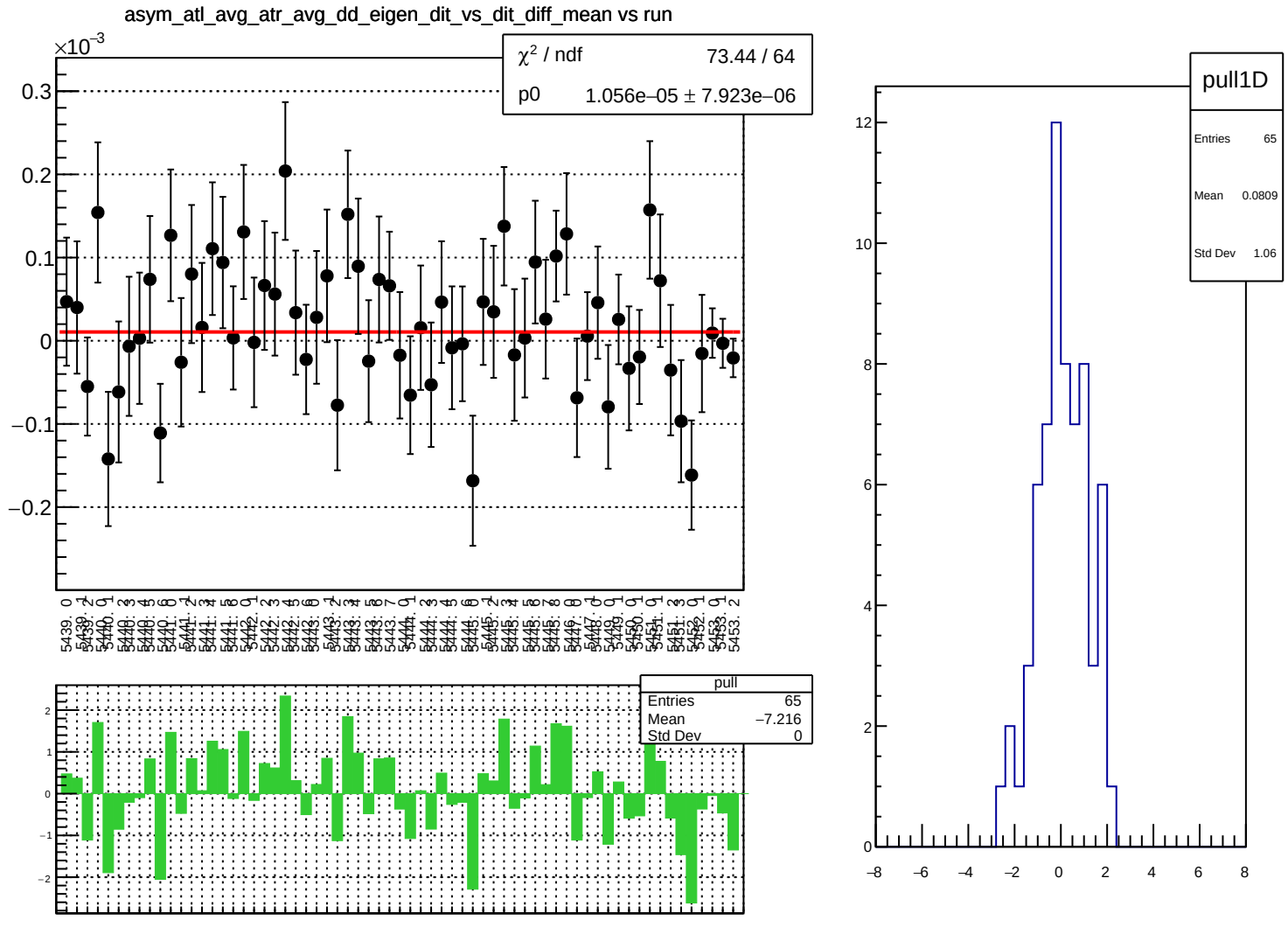

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.913e+05 / 64
p0 4.179e−11 ± 4.911e−14
100
80
60
40
20
0

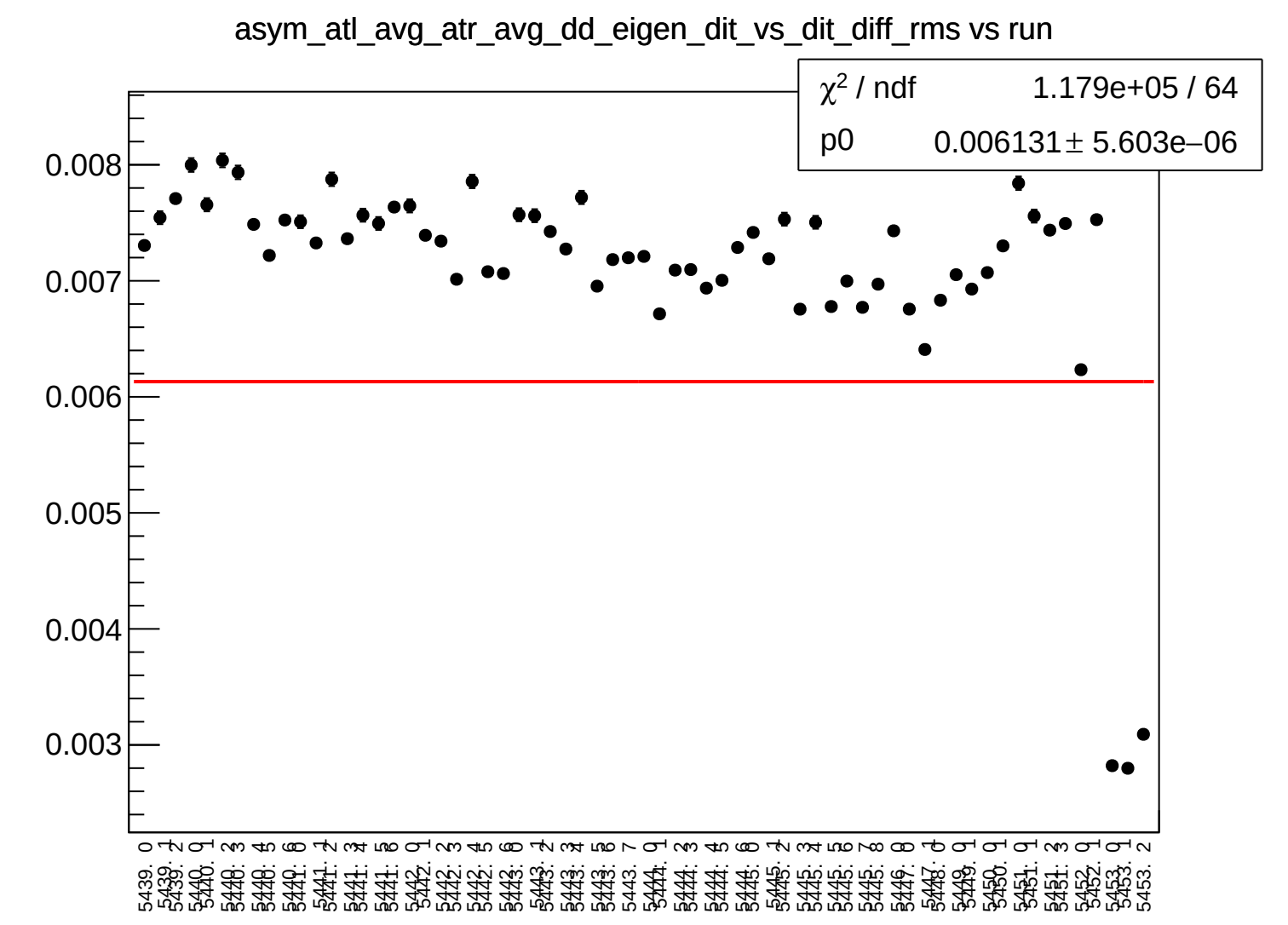

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.89
Std Dev 0
pull1D
Entries 65
Mean 0.01312
Std Dev 1.124

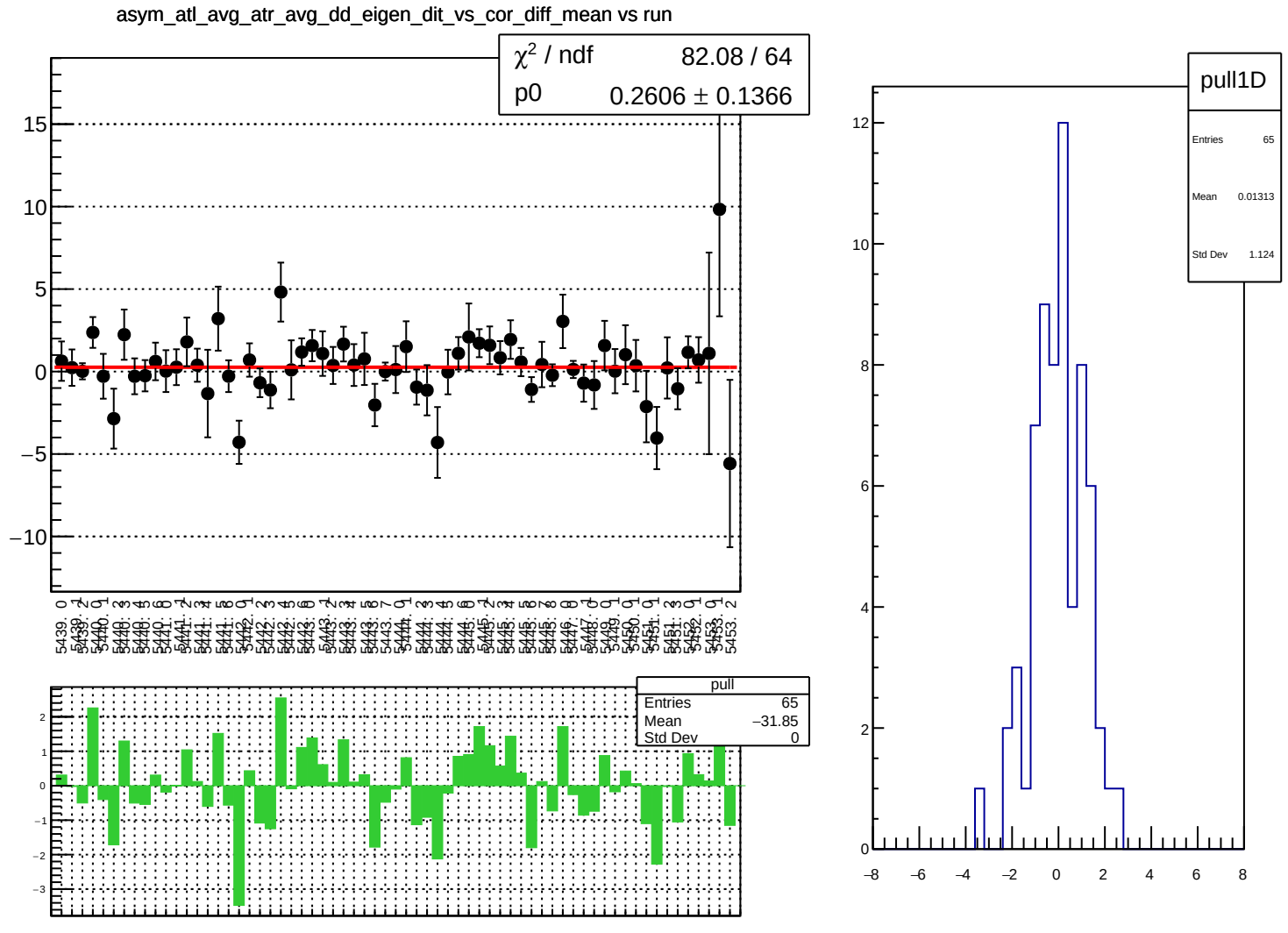

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

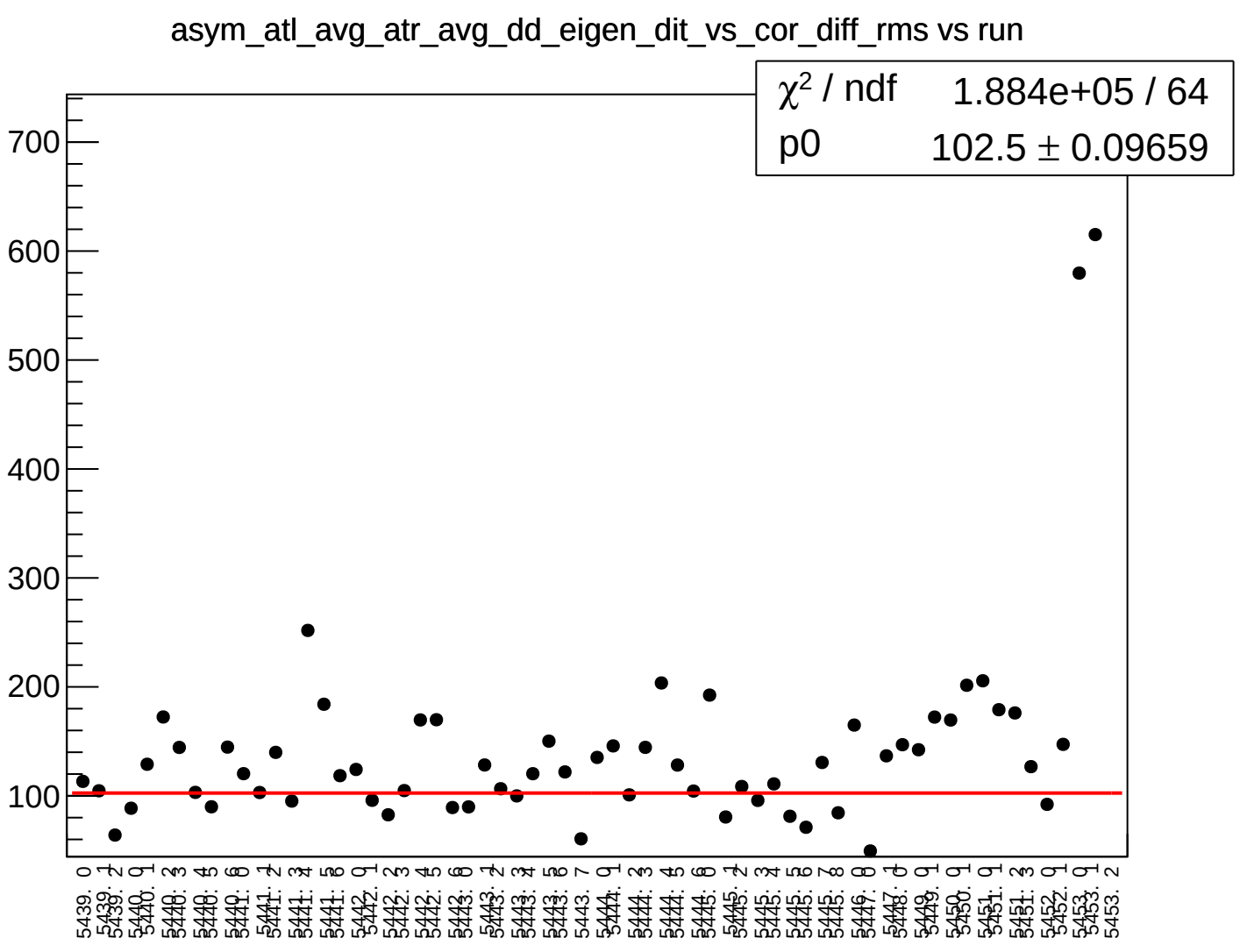

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.89
Std Dev 0
pull1D
Entries 65
Mean 0.01312
Std Dev 1.124

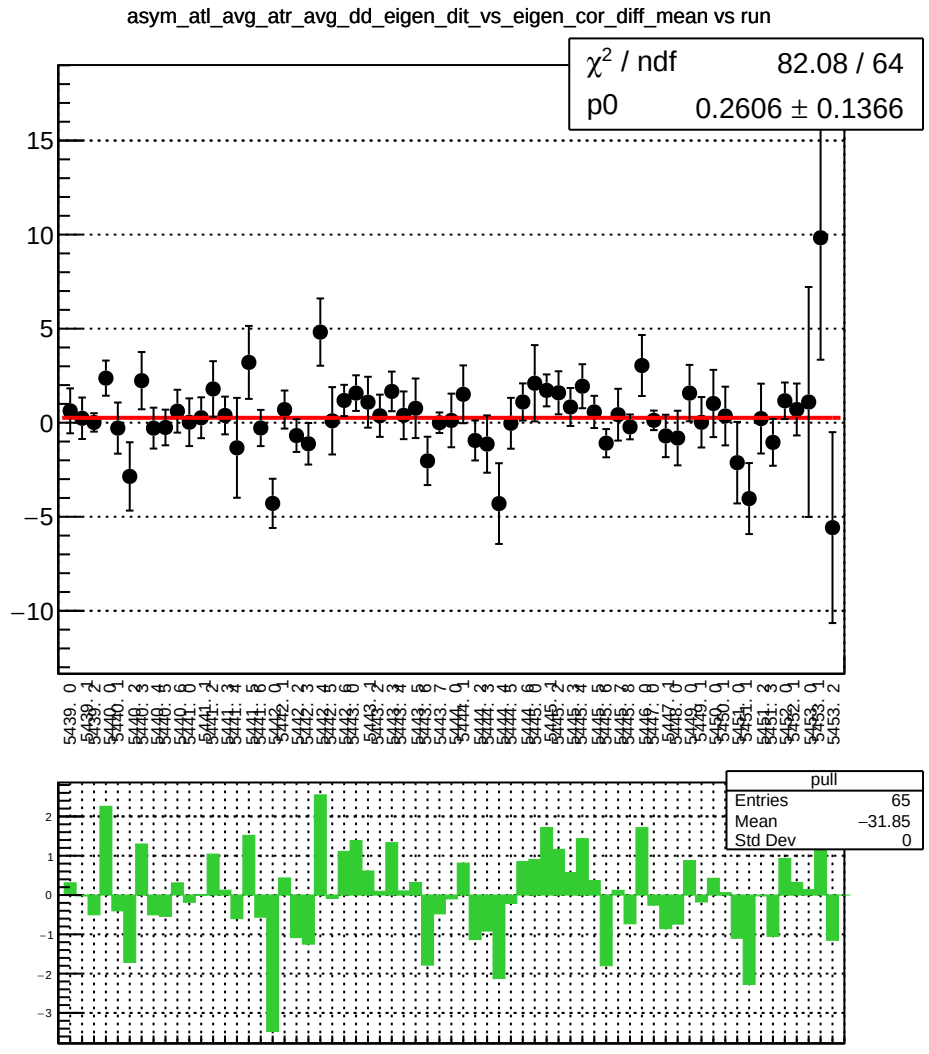

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

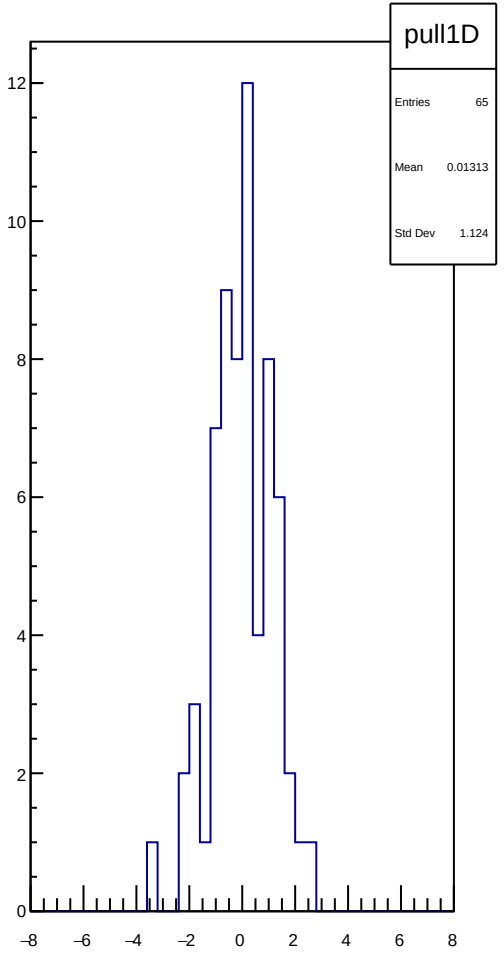

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 73.44 / 64
p0 1.056e−05 ± 7.923e−06
pull
Entries 65
Mean −7.216
Std Dev 0
pull1D
Entries 65
Mean 0.0809
Std Dev 1.06

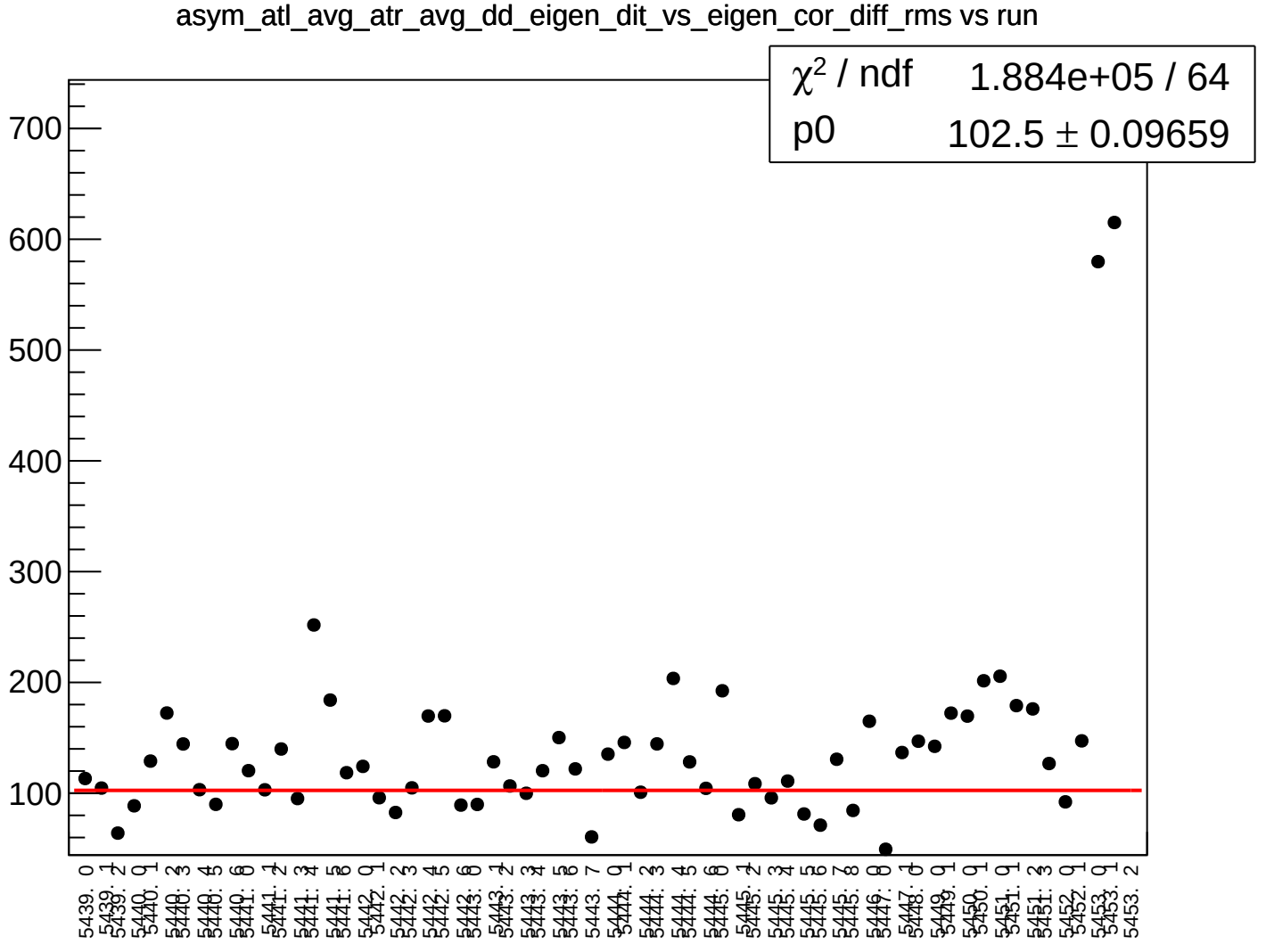

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.179e+05 / 64
p0 0.006131 ± 5.603e−06
0.008
0.007
0.006
0.005
0.004
0.003

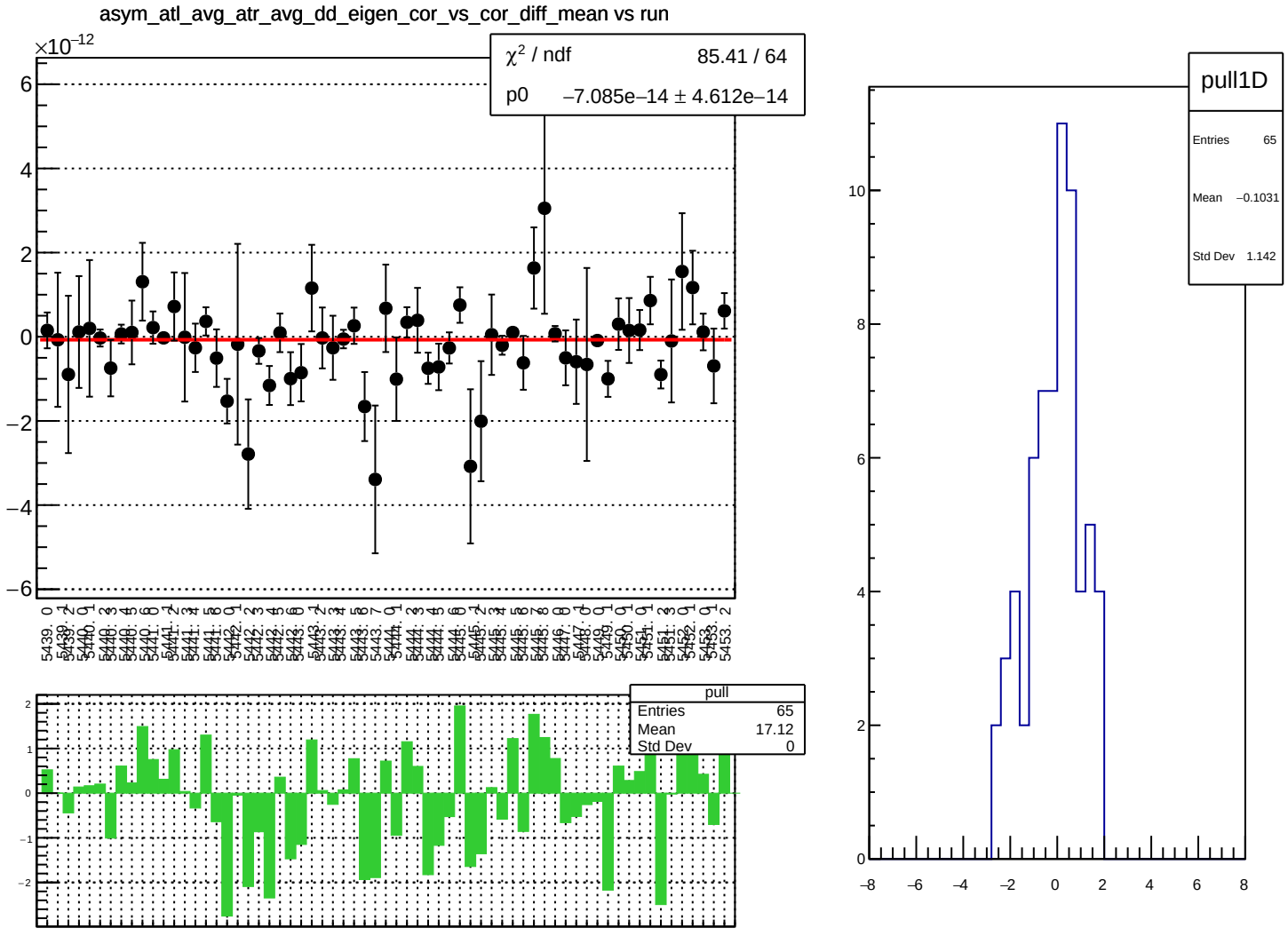

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.85
Std Dev 0
pull1D
Entries 65
Mean 0.01313
Std Dev 1.124

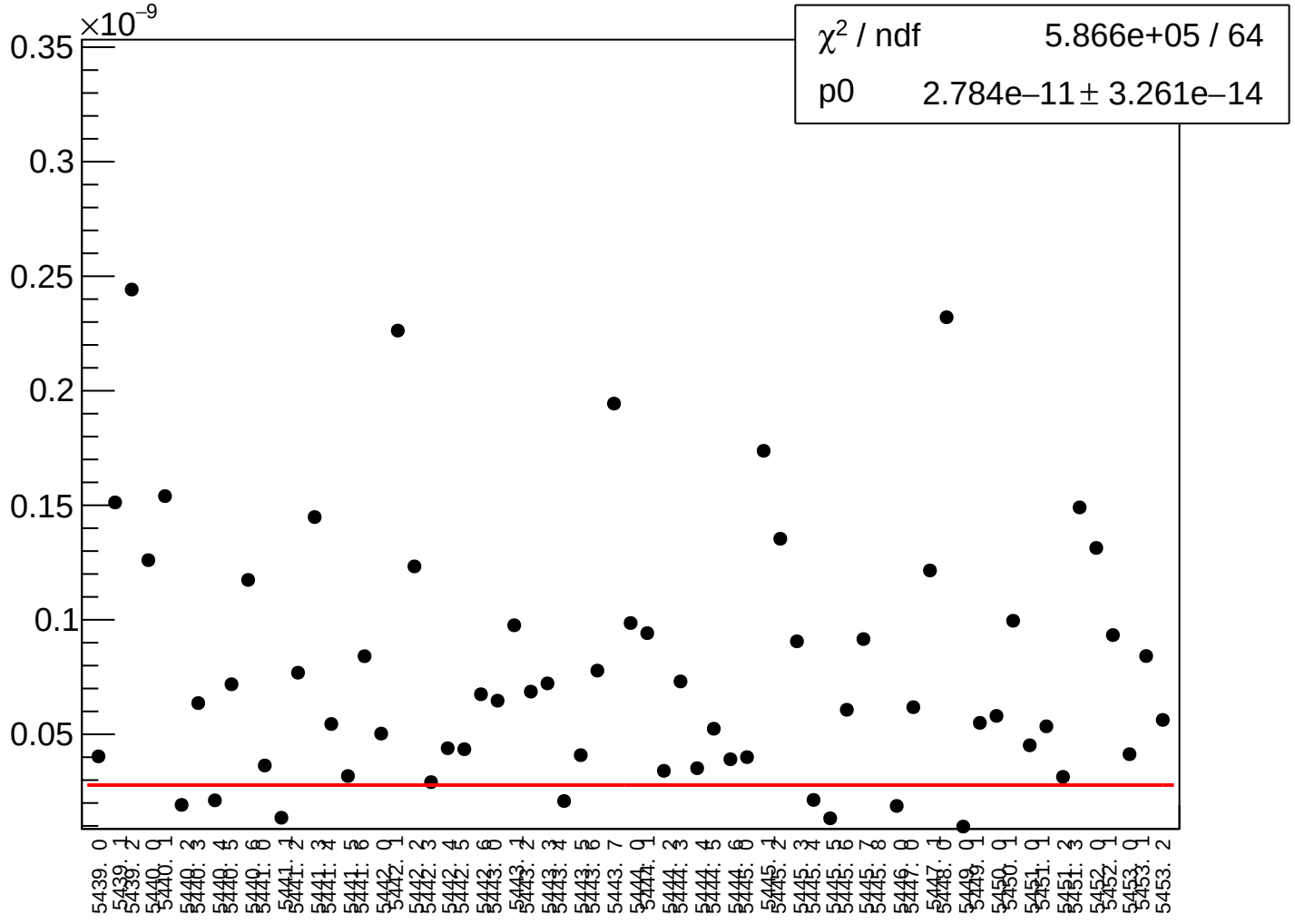

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

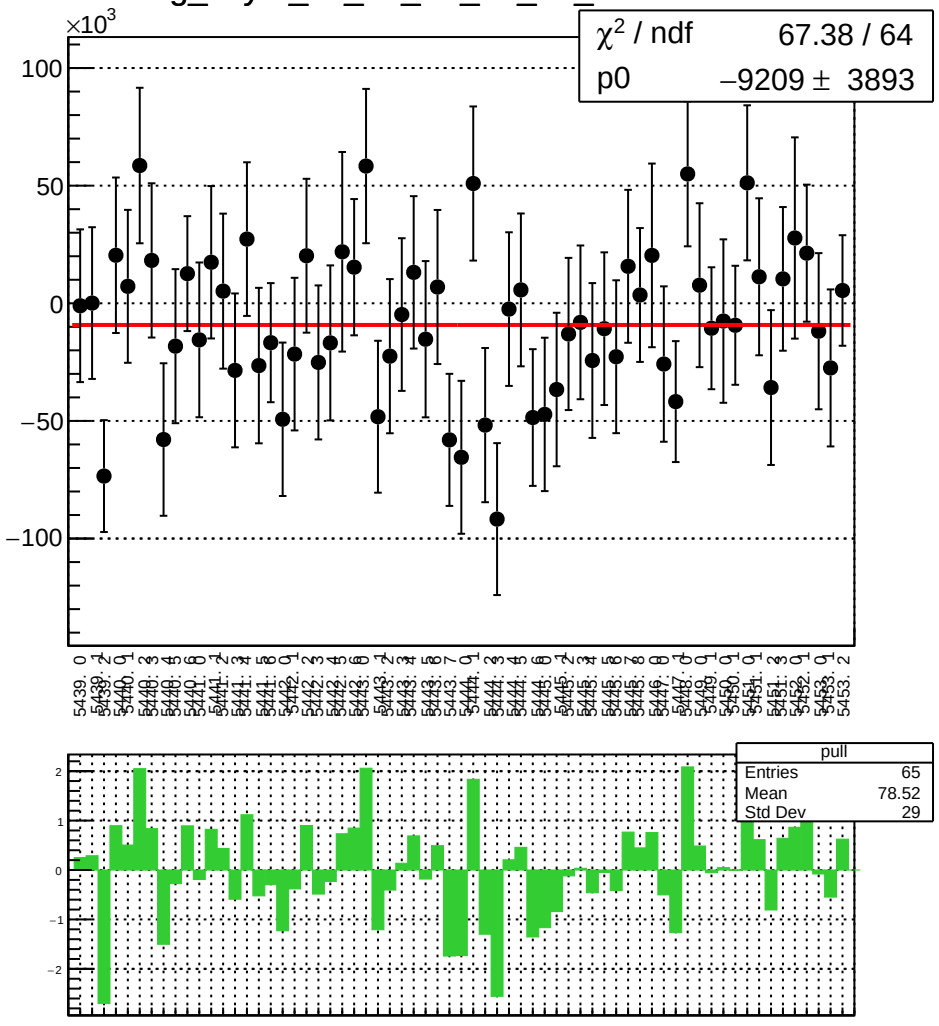

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.85
Std Dev 0

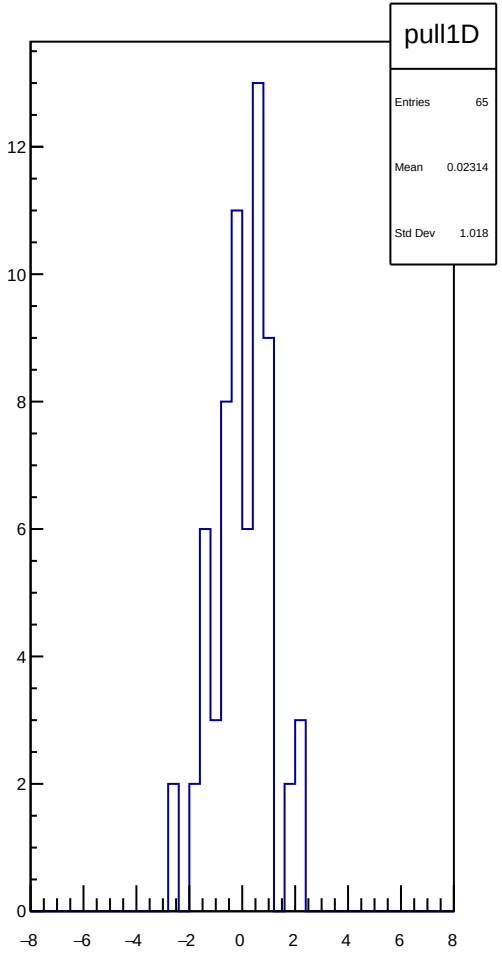

pull1D
Entries 65
Mean 0.01313
Std Dev 1.124

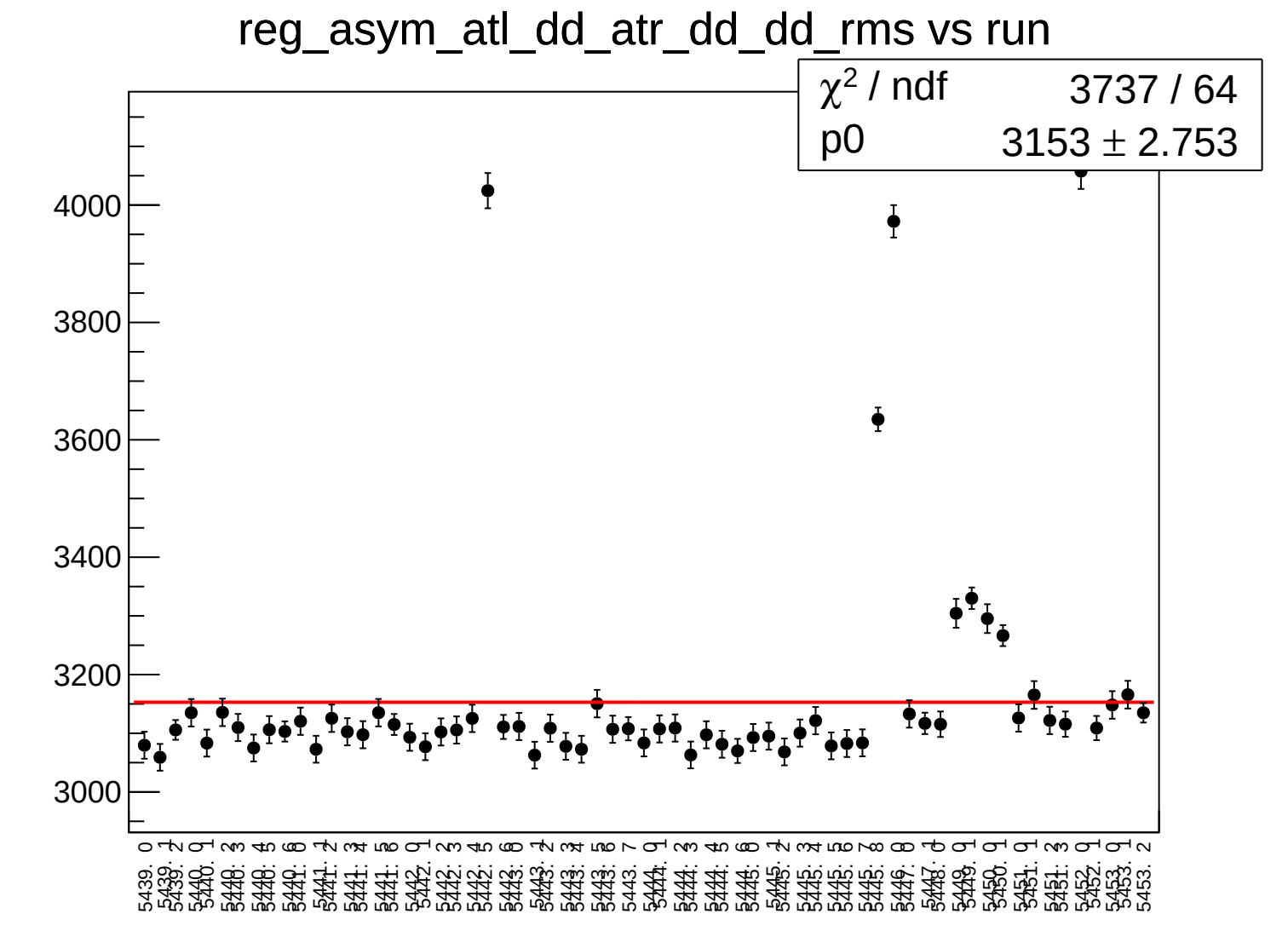

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

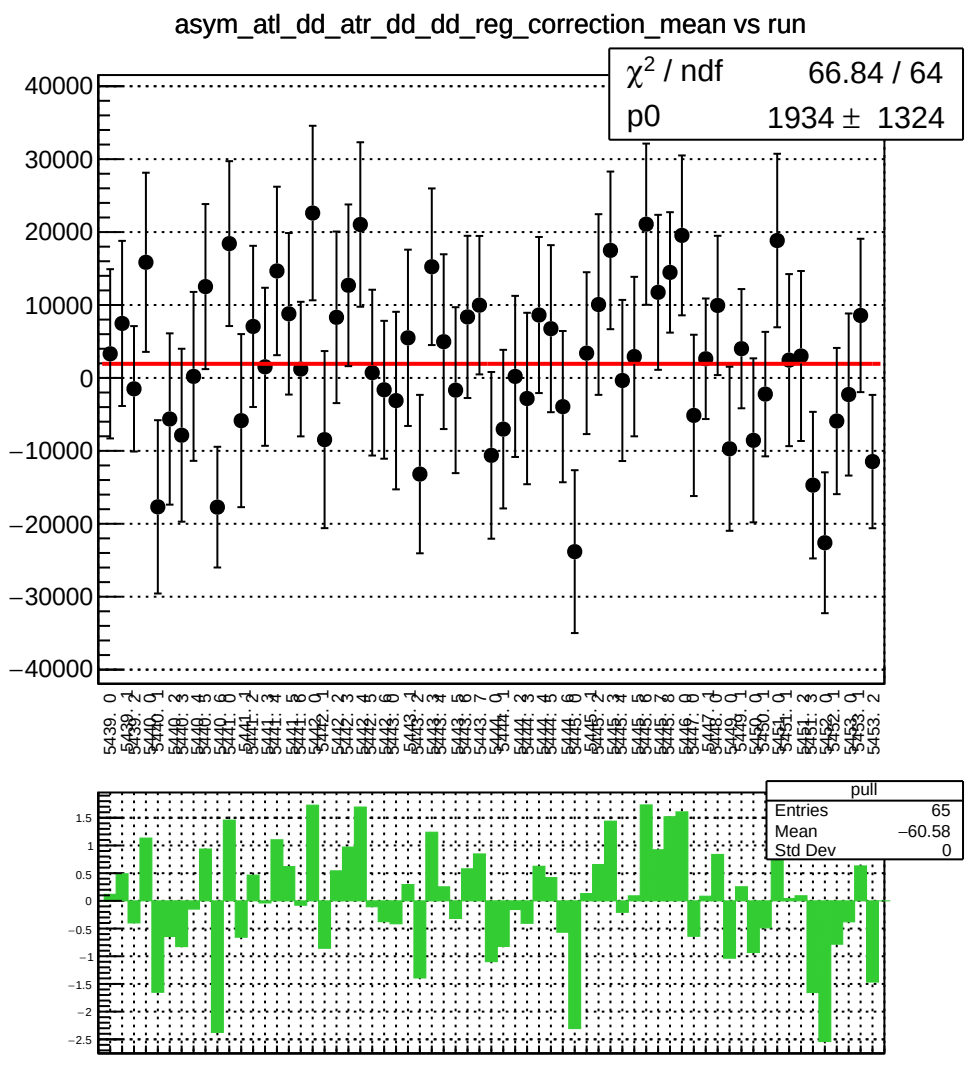

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.41 / 64
p0 −7.085e−14 ± 4.612e−14
pull
Entries 65
Mean 17.12
Std Dev 0
pull1D
Entries 65
Mean −0.1031
Std Dev 1.142

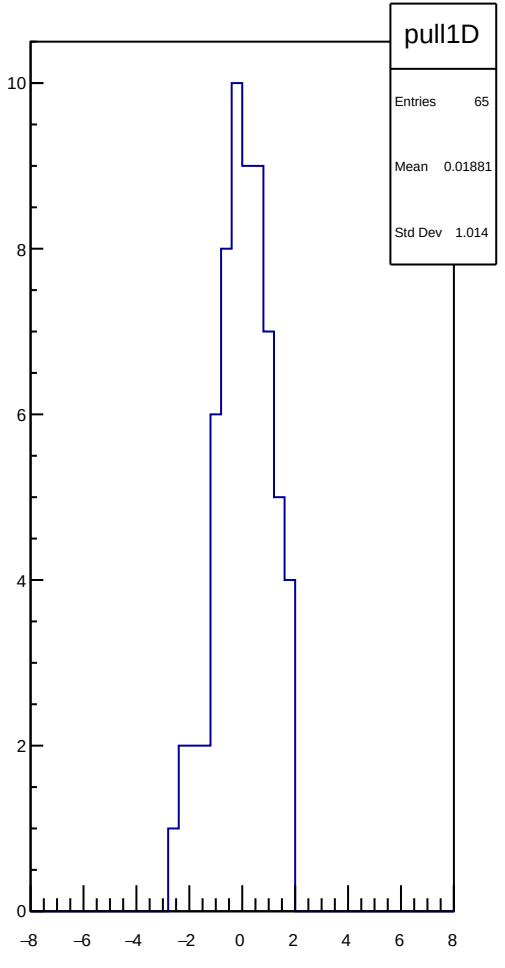

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 5.866e+05 / 64
p0 2.784e−11 ± 3.261e−14

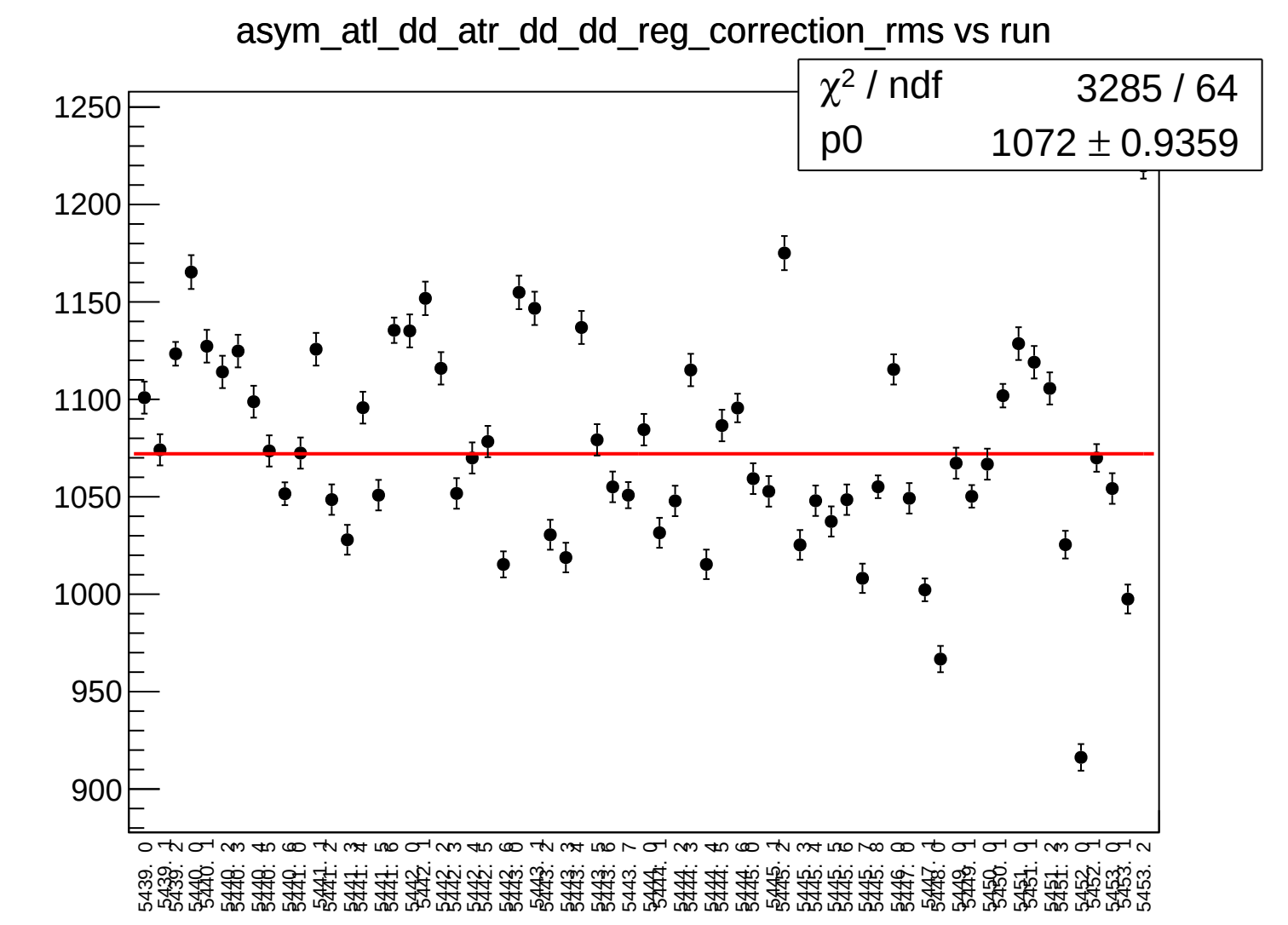

reg_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 67.38 / 64
p0 −9209 ± 3893
100
50
0
−50
−100
pull
Entries 65
Mean 78.52
Std Dev 29
2
1
0
−1
−2

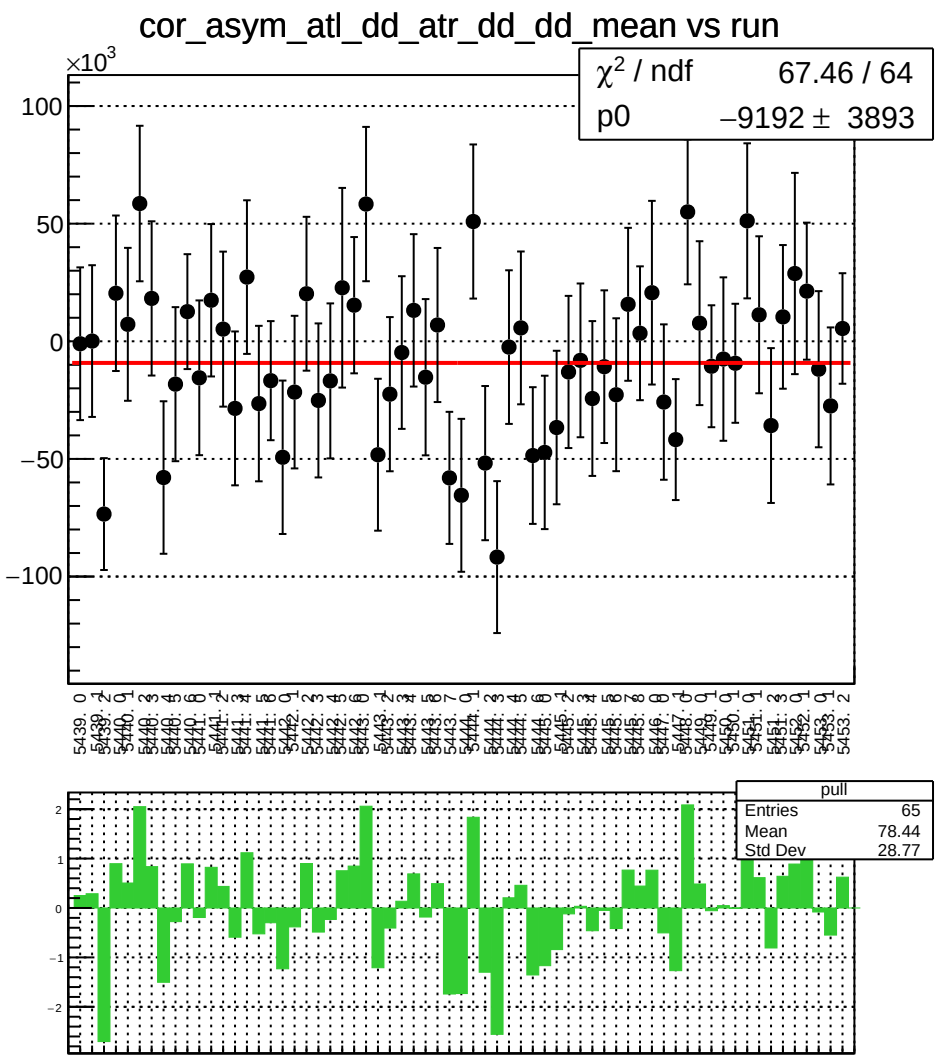

pull1D
Entries 65
Mean 0.02314
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

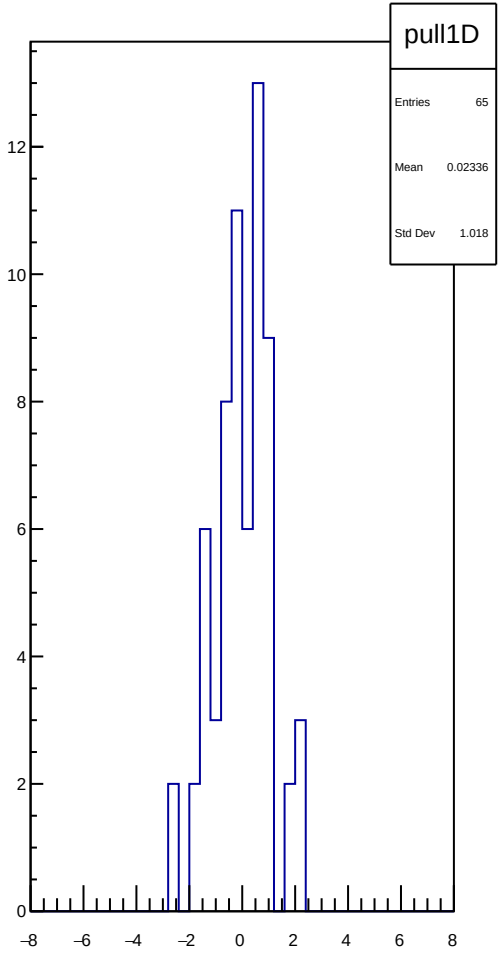

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3737 / 64
p0 3153 ± 2.753
4000
3800
3600
3400
3200
3000

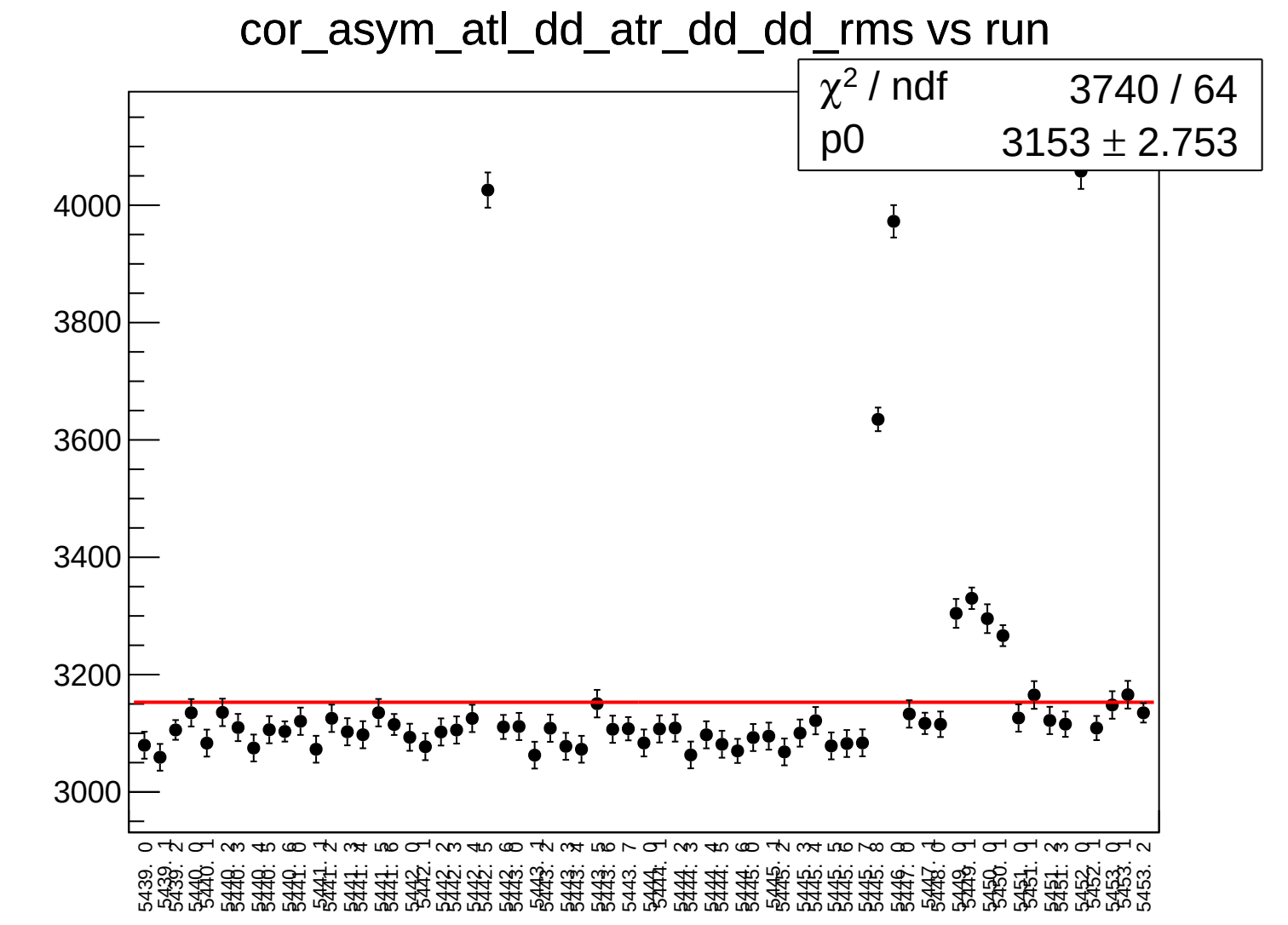

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 66.84 / 64
p0 1934 ± 1324
pull
Entries 65
Mean −60.58
Std Dev 0

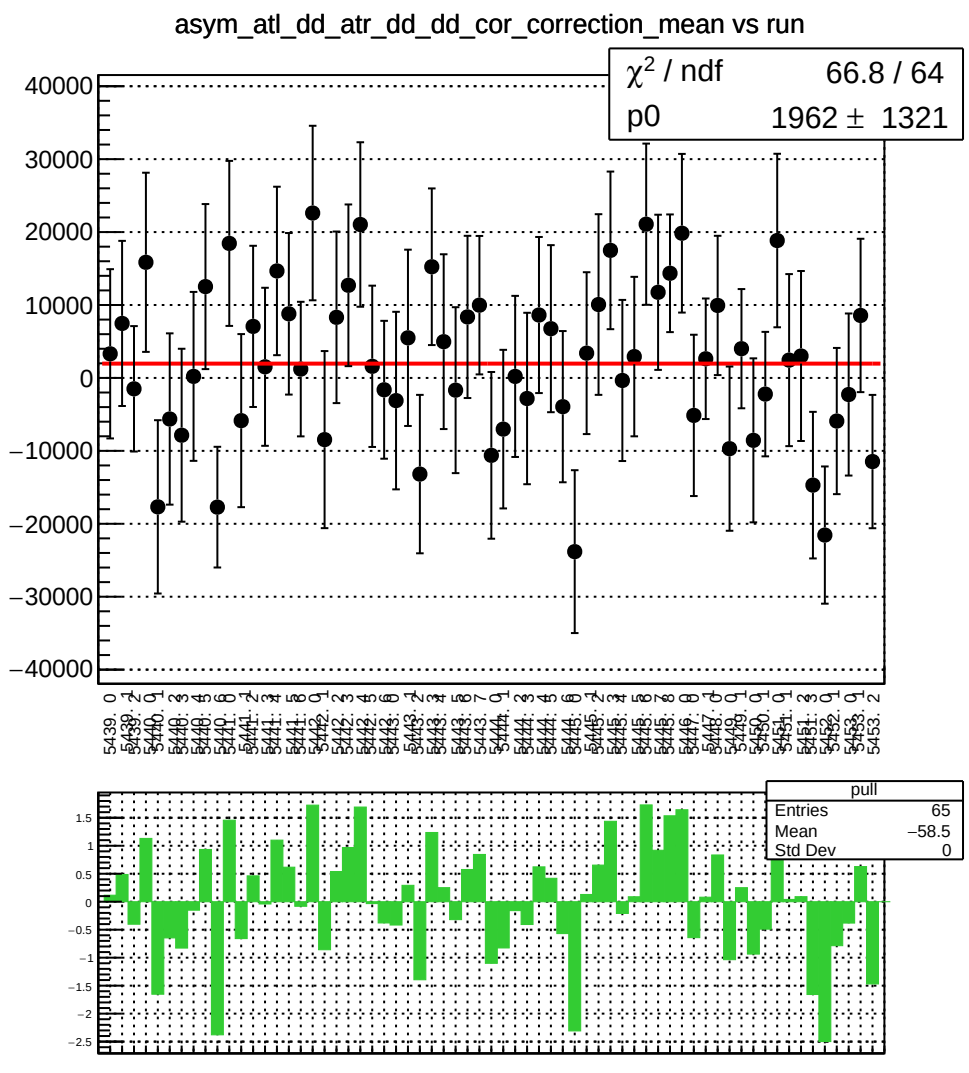

pull1D
Entries 65
Mean 0.01881
Std Dev 1.014

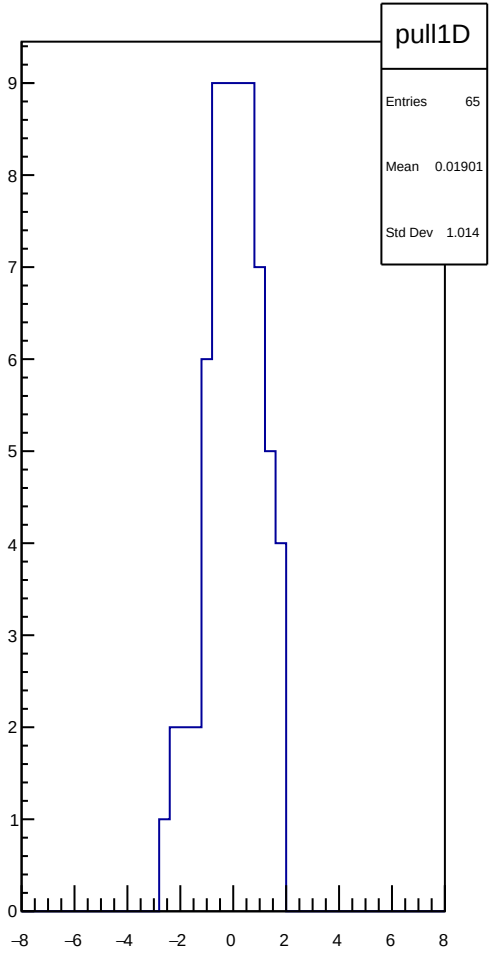

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 3285 / 64
p0 1072 ± 0.9359
1250
1200
1150
1100
1050
1000
950
900

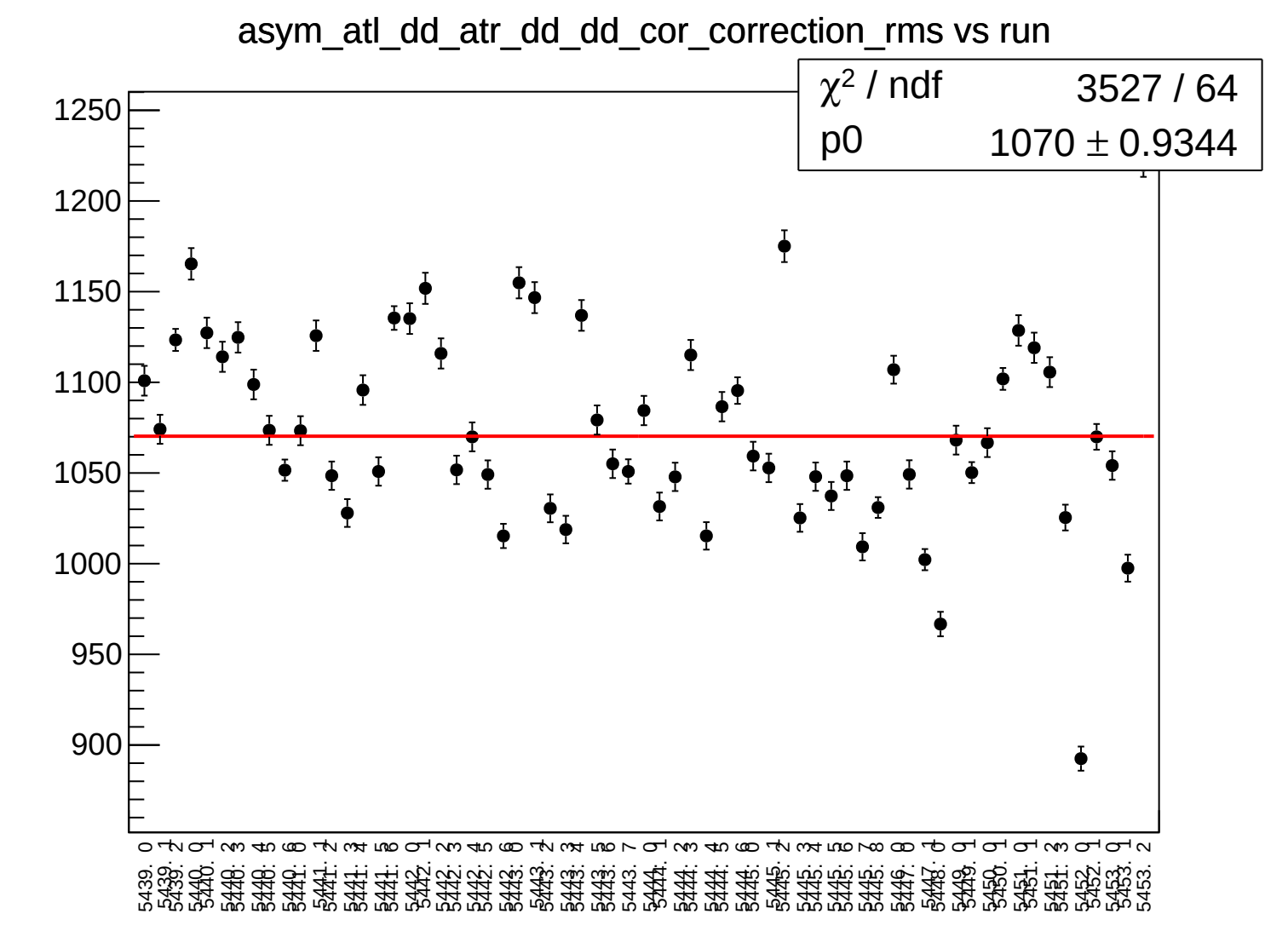

cor_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 67.46 / 64
p0 −9192 ± 3893
100
50
0
−50
−100
pull
Entries 65
Mean 78.44
Std Dev 28.77
2
1
0
−1
−2

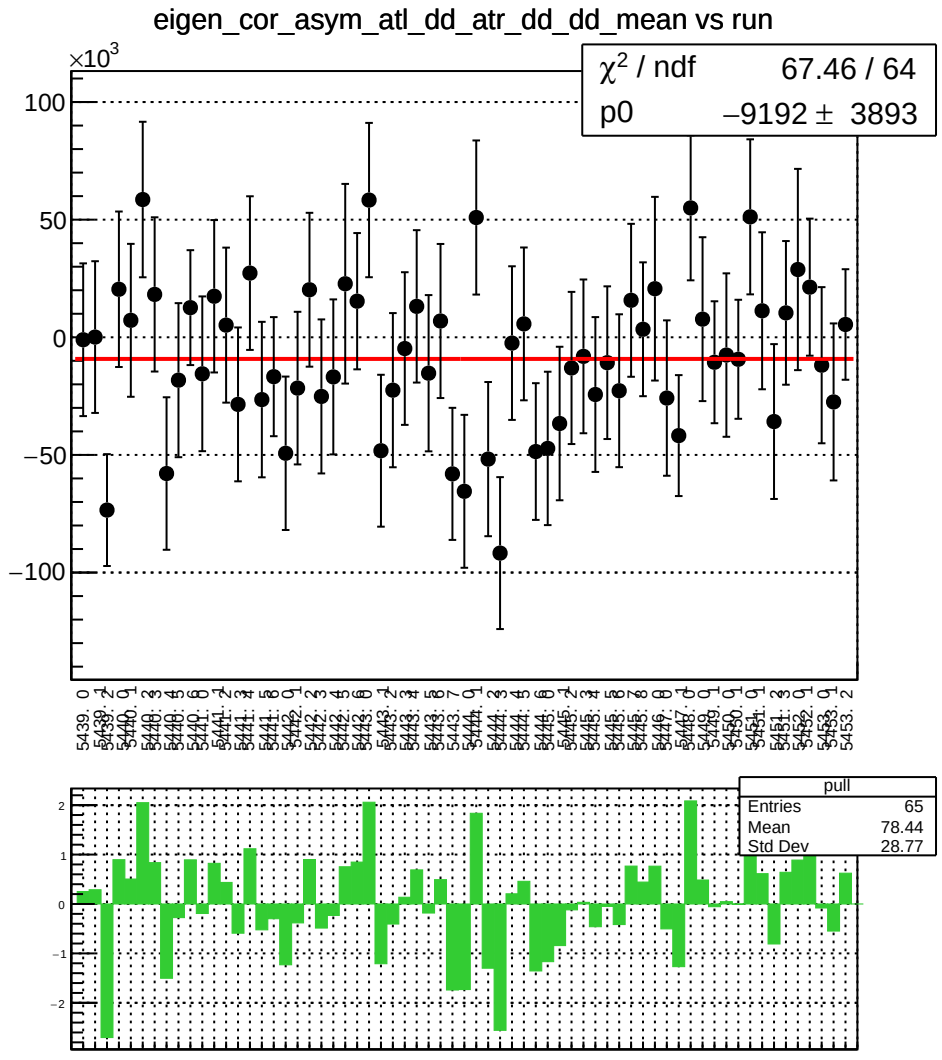

pull1D
Entries 65
Mean 0.02336
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

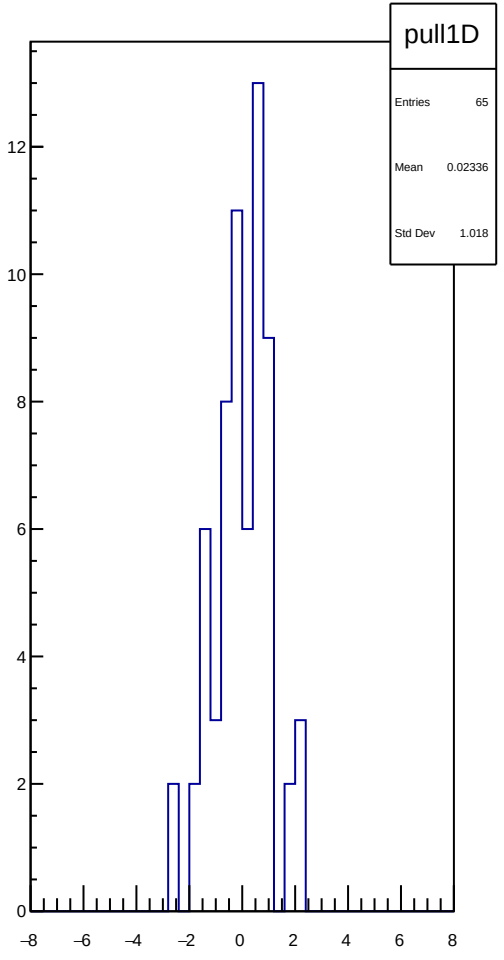

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3740 / 64
p0 3153 ± 2.753
4000
3800
3600
3400
3200
3000

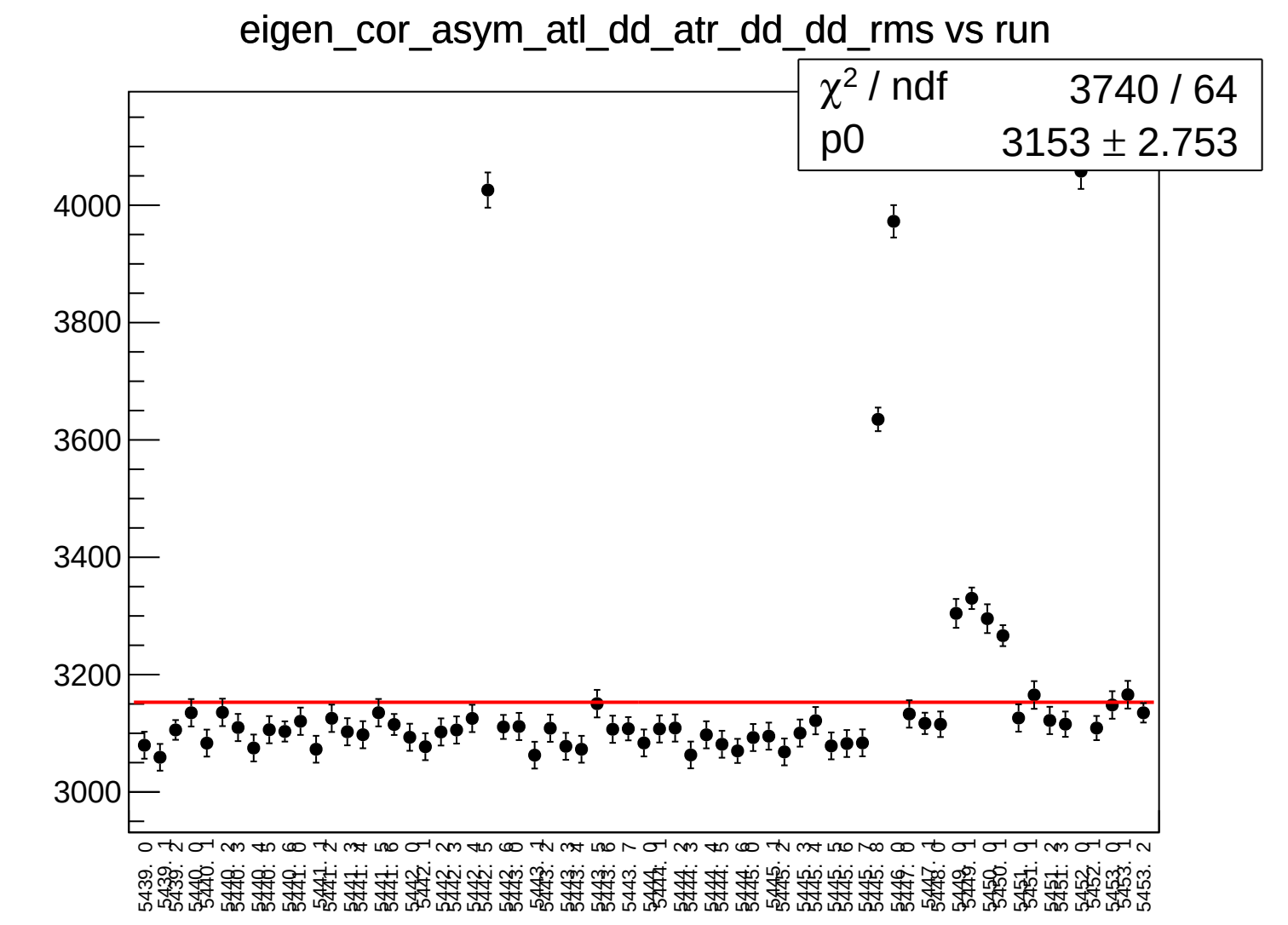

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 66.8 / 64
p0 1962 ± 1321
pull
Entries 65
Mean −58.5
Std Dev 0

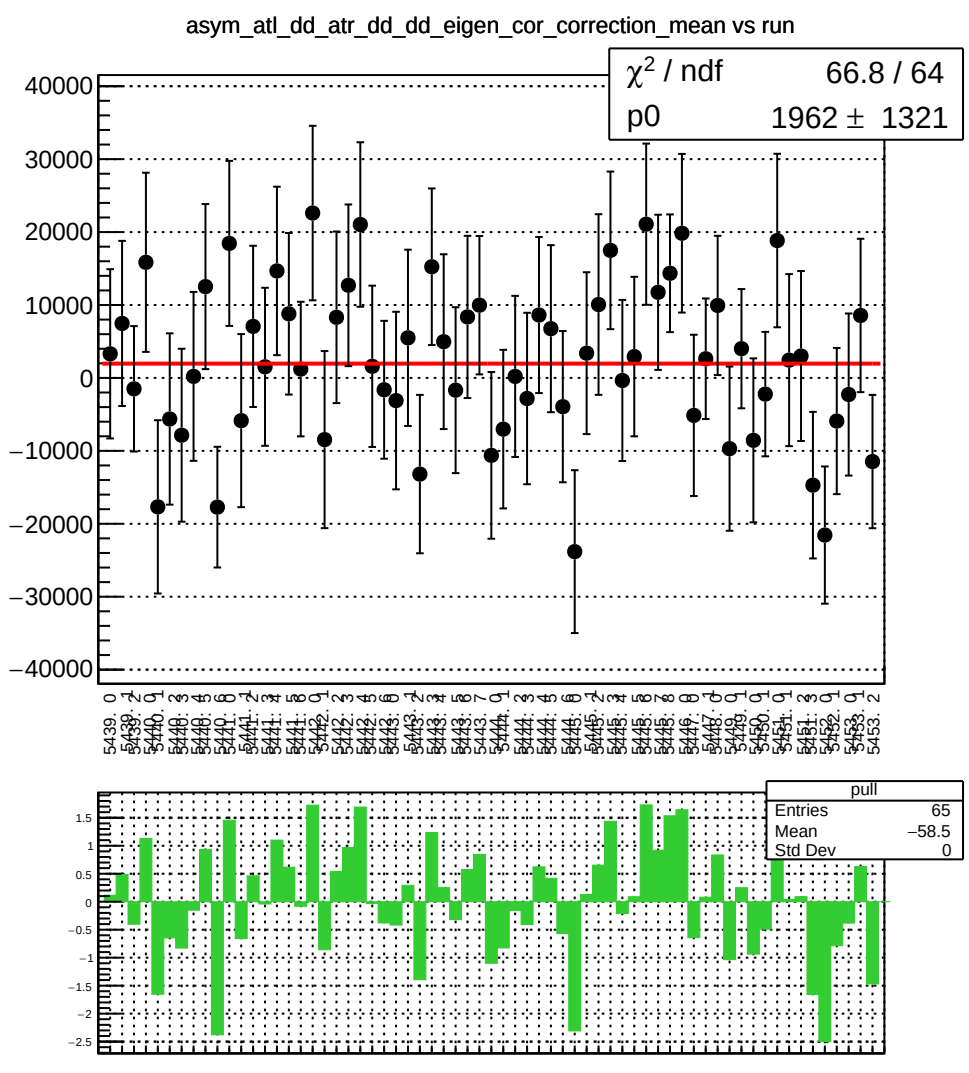

pull1D
Entries 65
Mean 0.01901
Std Dev 1.014

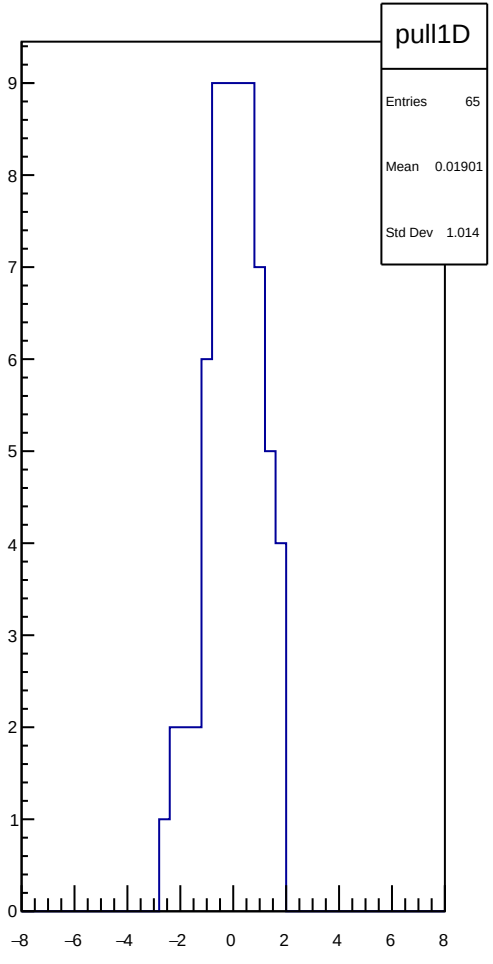

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 3527 / 64
p0 1070 ± 0.9344
1250
1200
1150
1100
1050
1000
950
900

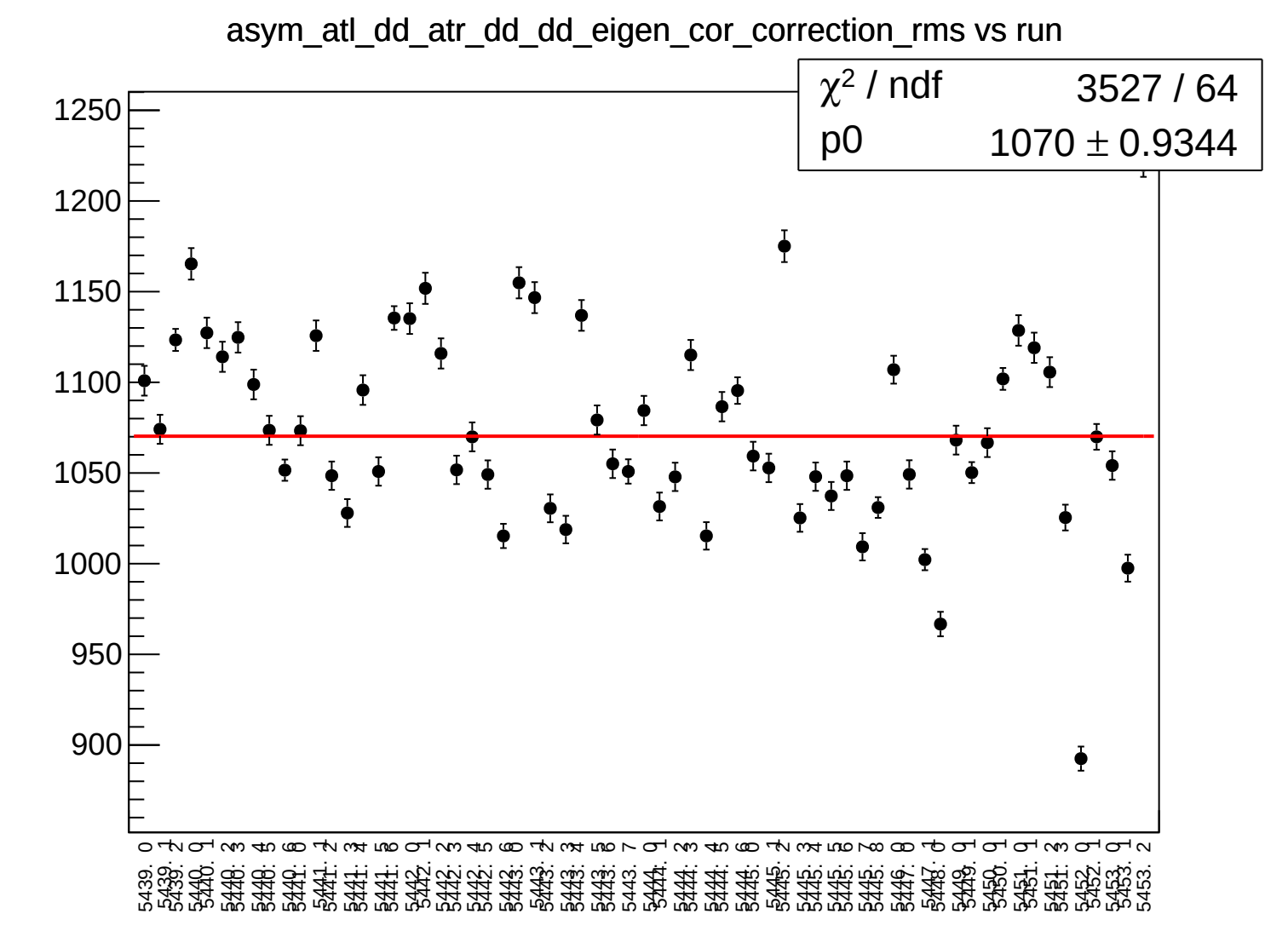

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 67.46 / 64
p0 −9192 ± 3893
100
50
0
−50
−100
pull
Entries 65
Mean 78.44
Std Dev 28.77
2
1
0
−1
−2

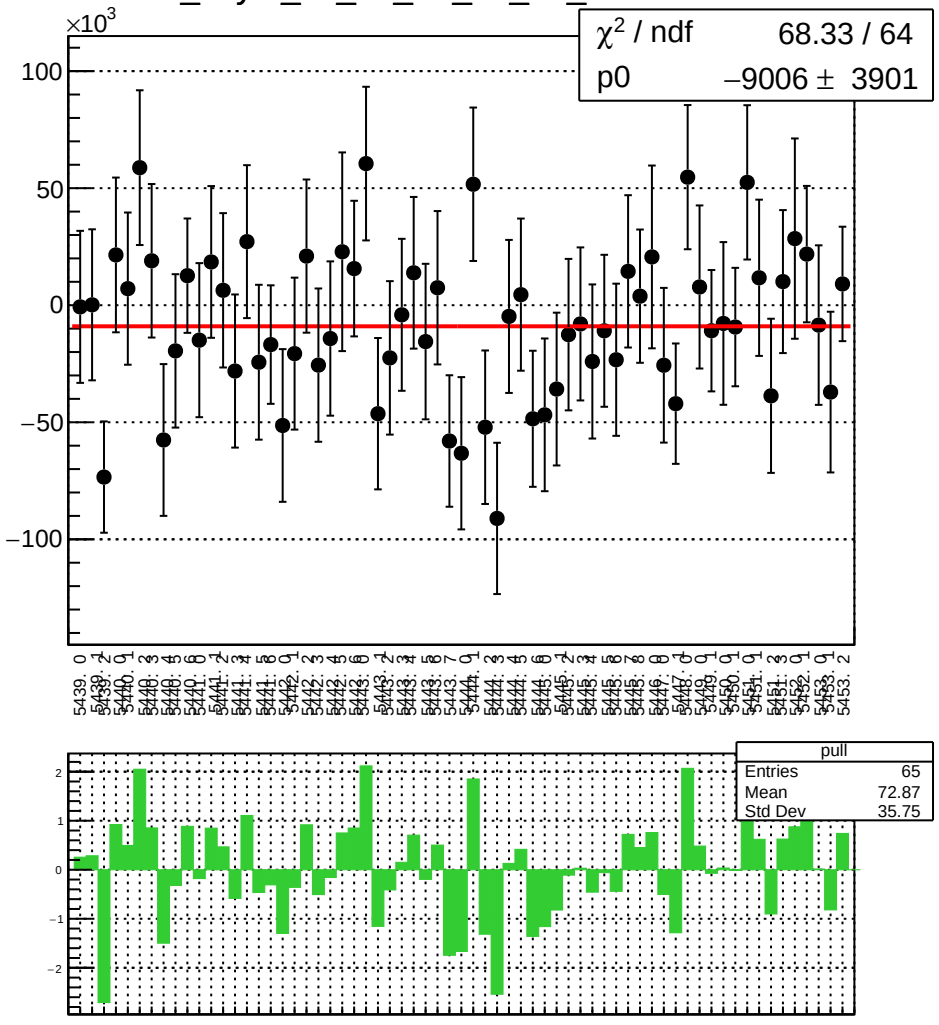

pull1D
Entries 65
Mean 0.02336
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

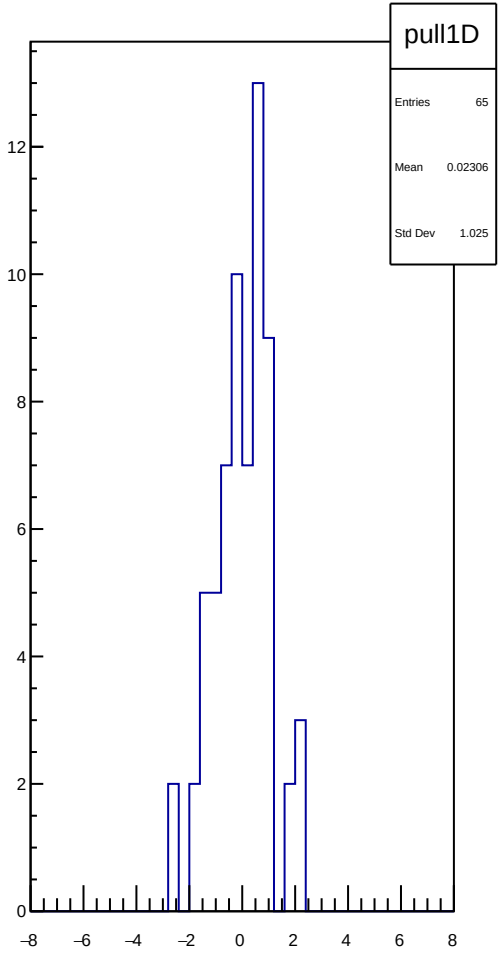

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3740 / 64
p0 3153 ± 2.753
4000
3800
3600
3400
3200
3000

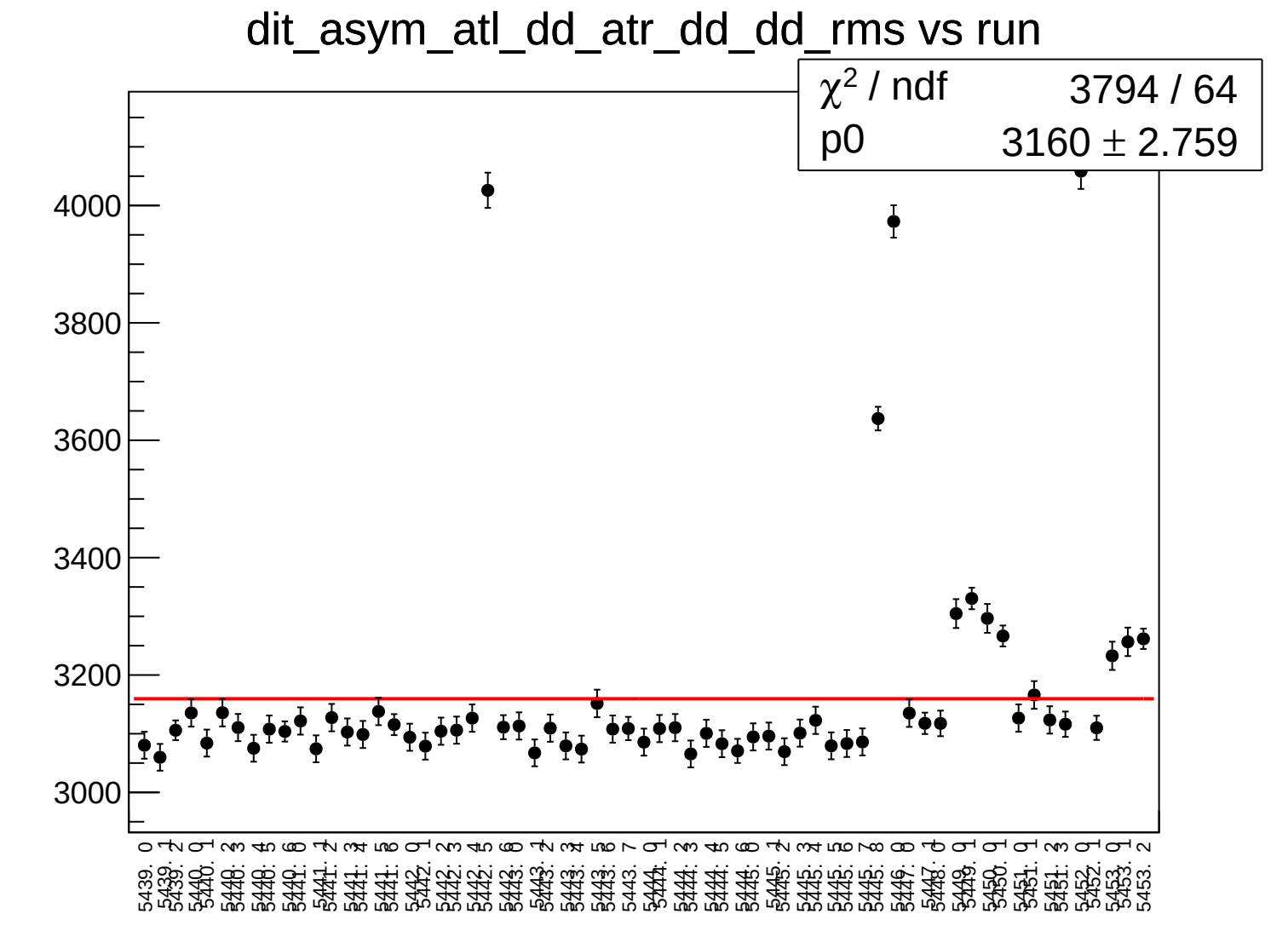

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.8 / 64
p0 1962 ± 1321
pull
Entries 65
Mean −58.5
Std Dev 0

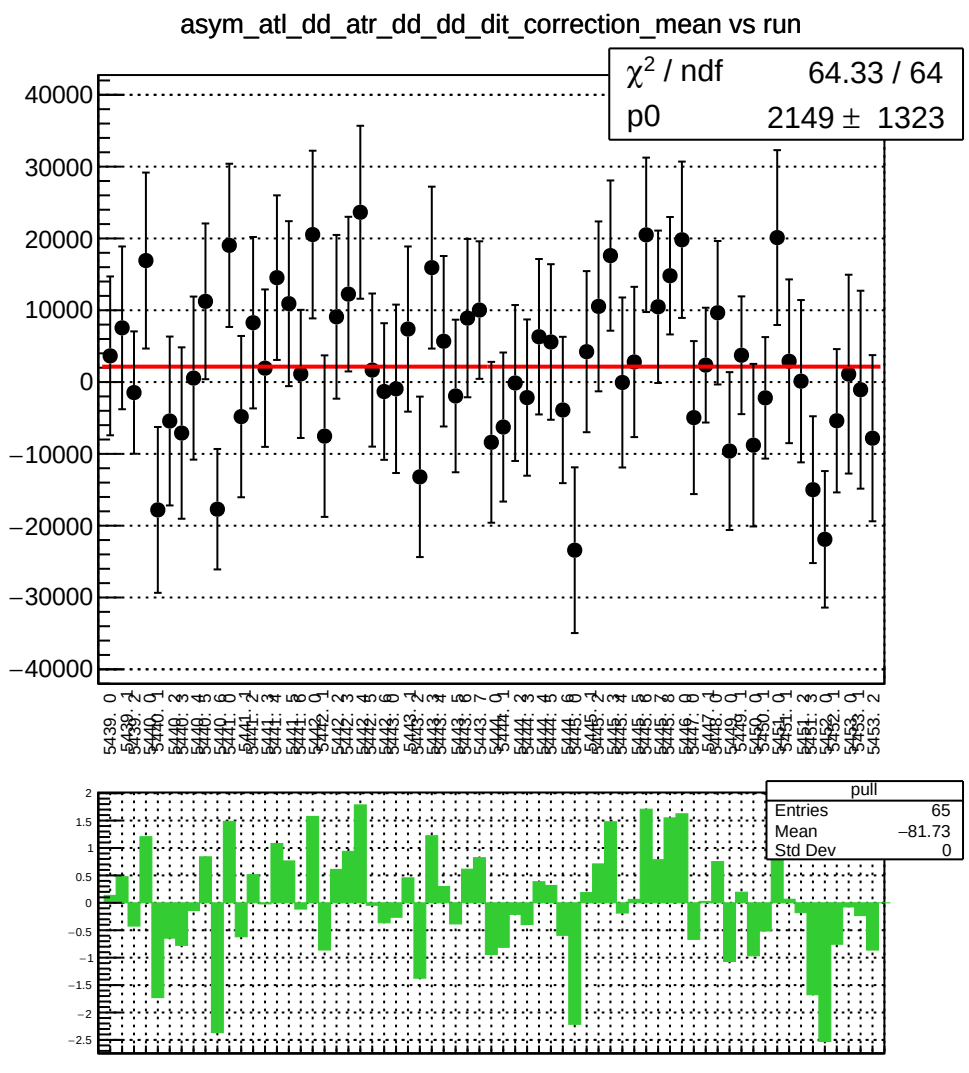

pull1D
Entries 65
Mean 0.01901
Std Dev 1.014

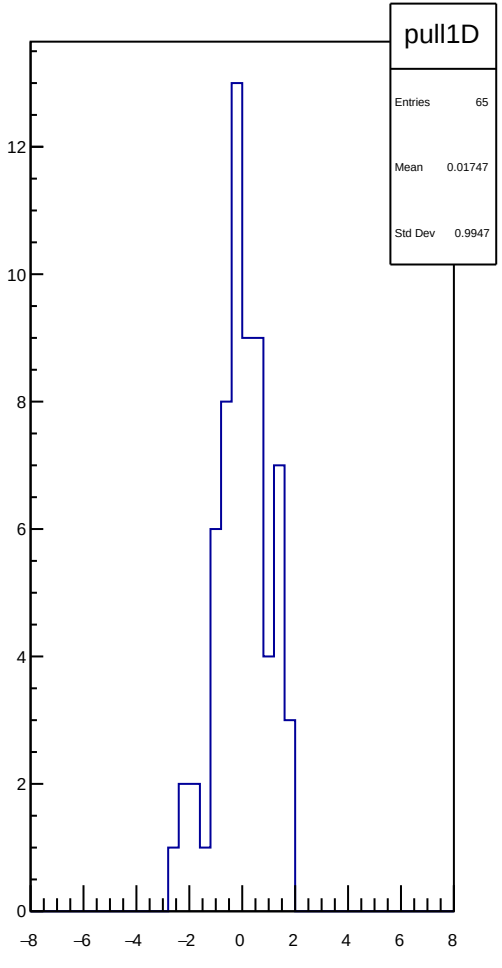

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3527 / 64
p0 1070 ± 0.9344
1250
1200
1150
1100
1050
1000
950
900

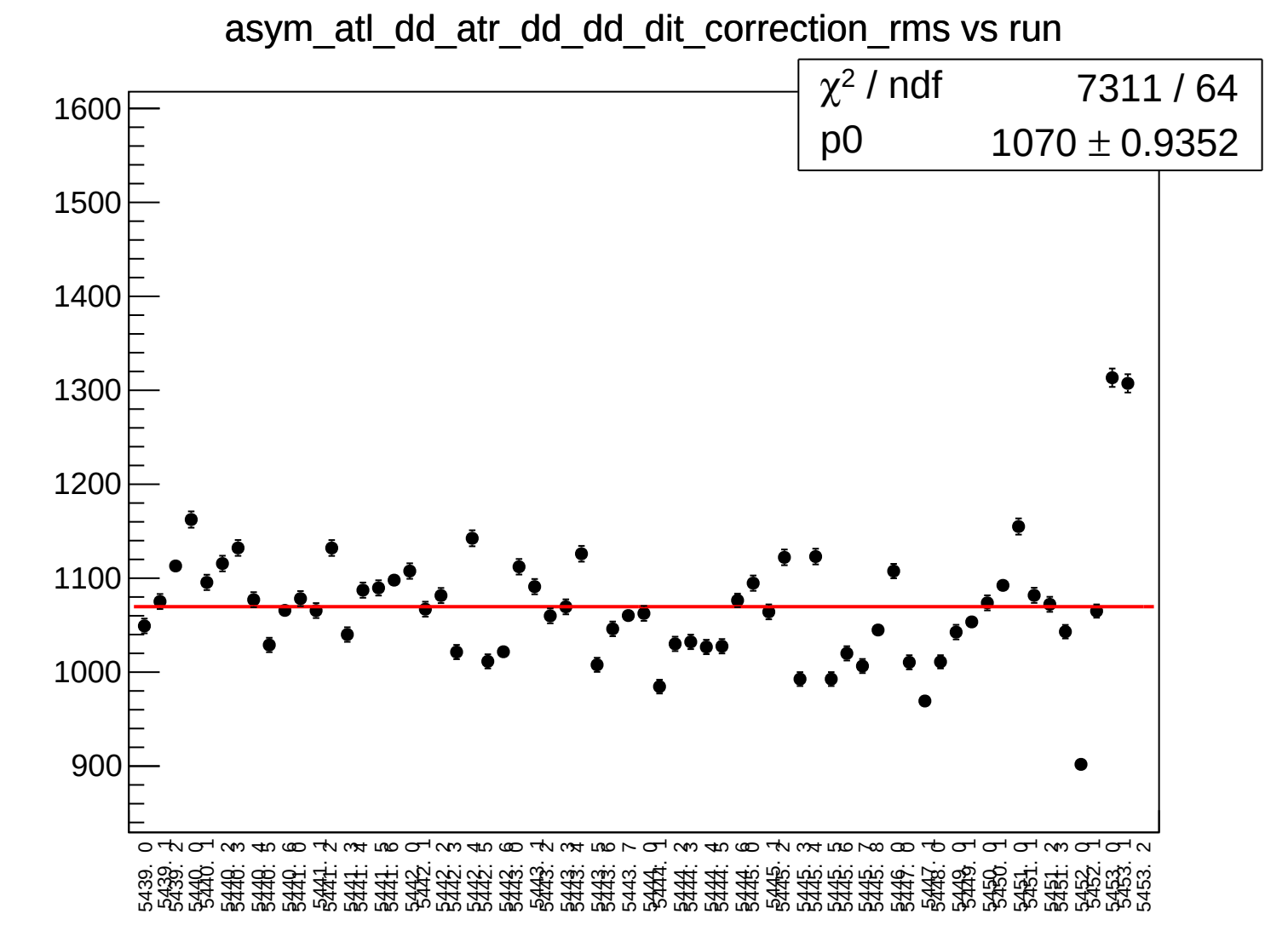

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 68.33 / 64
p0 −9006 ± 3901
100
50
0
−50
−100
pull
Entries 65
Mean 72.87
Std Dev 35.75
2
1
0
−1
−2

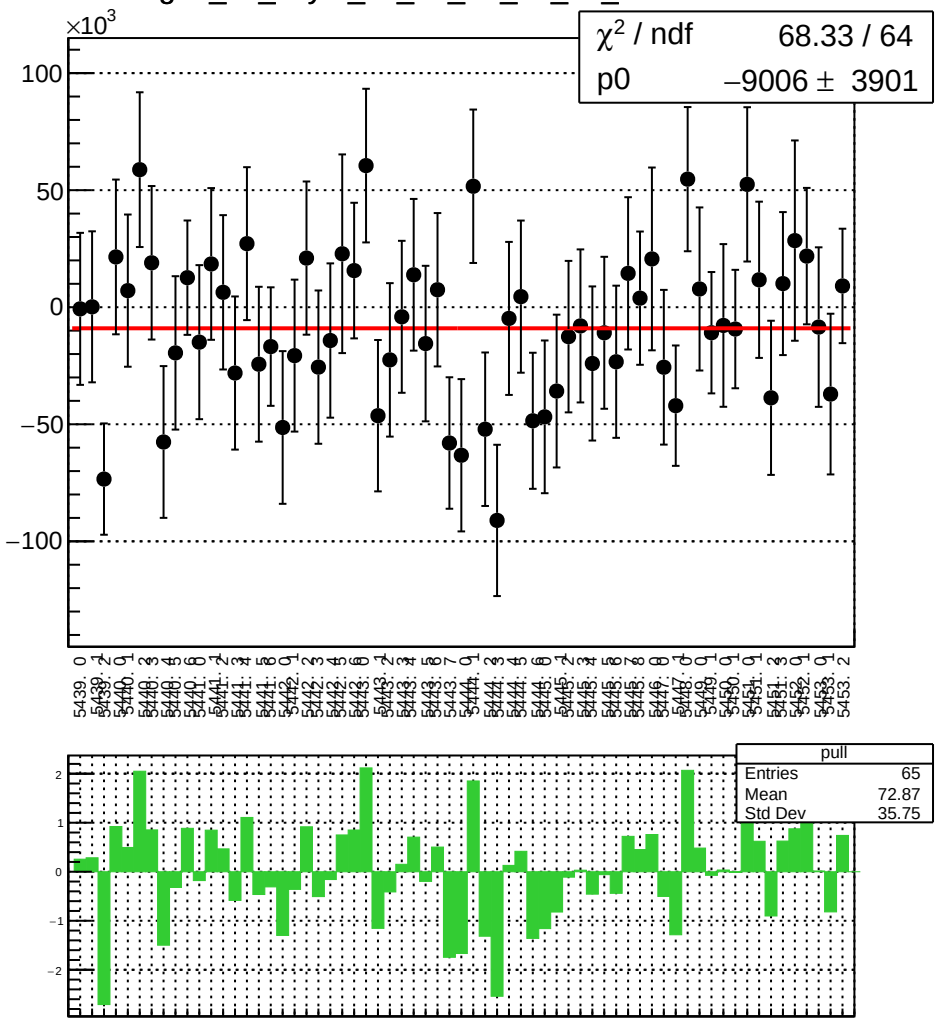

pull1D
Entries 65
Mean 0.02306
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

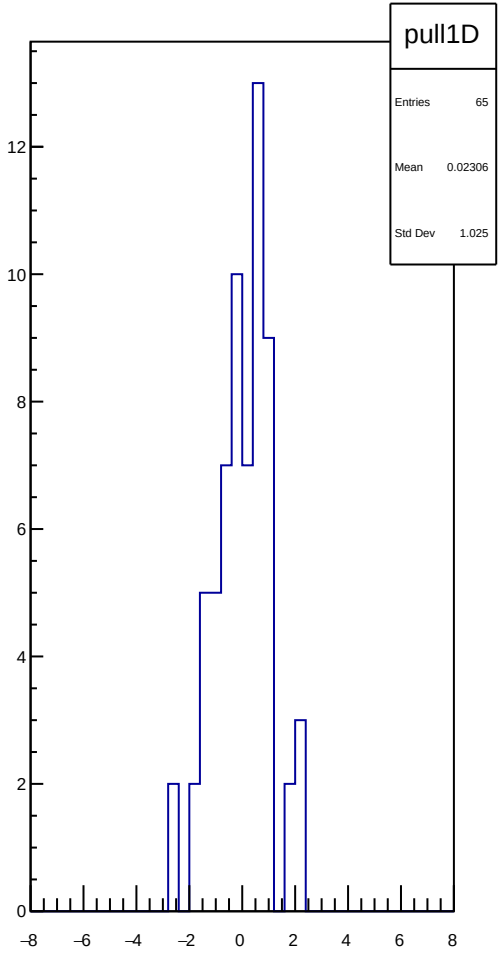

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3794 / 64
p0 3160 ± 2.759
4000
3800
3600
3400
3200
3000

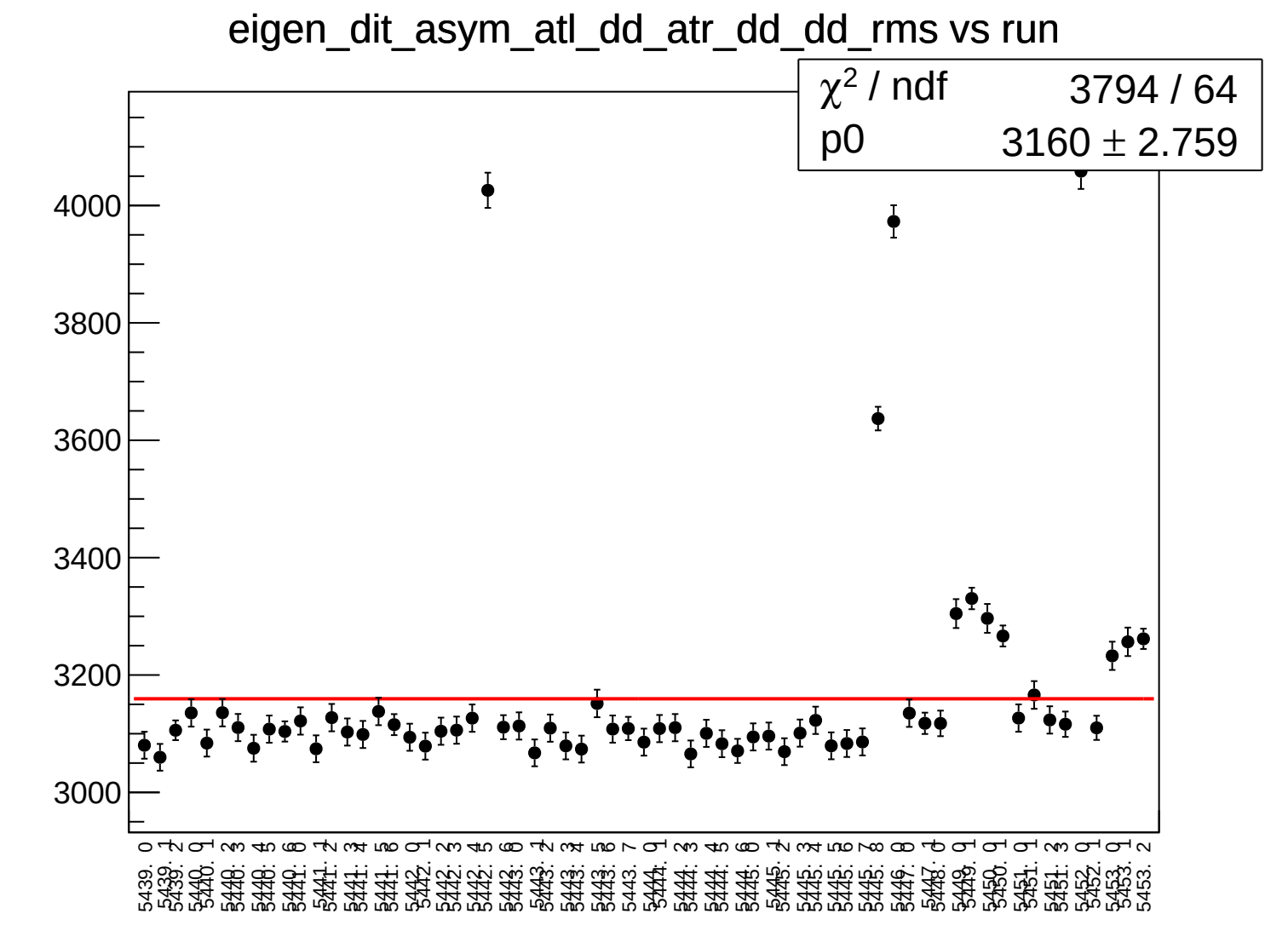

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 64.33 / 64
p0 2149 ± 1323
pull
Entries 65
Mean −81.73
Std Dev 0

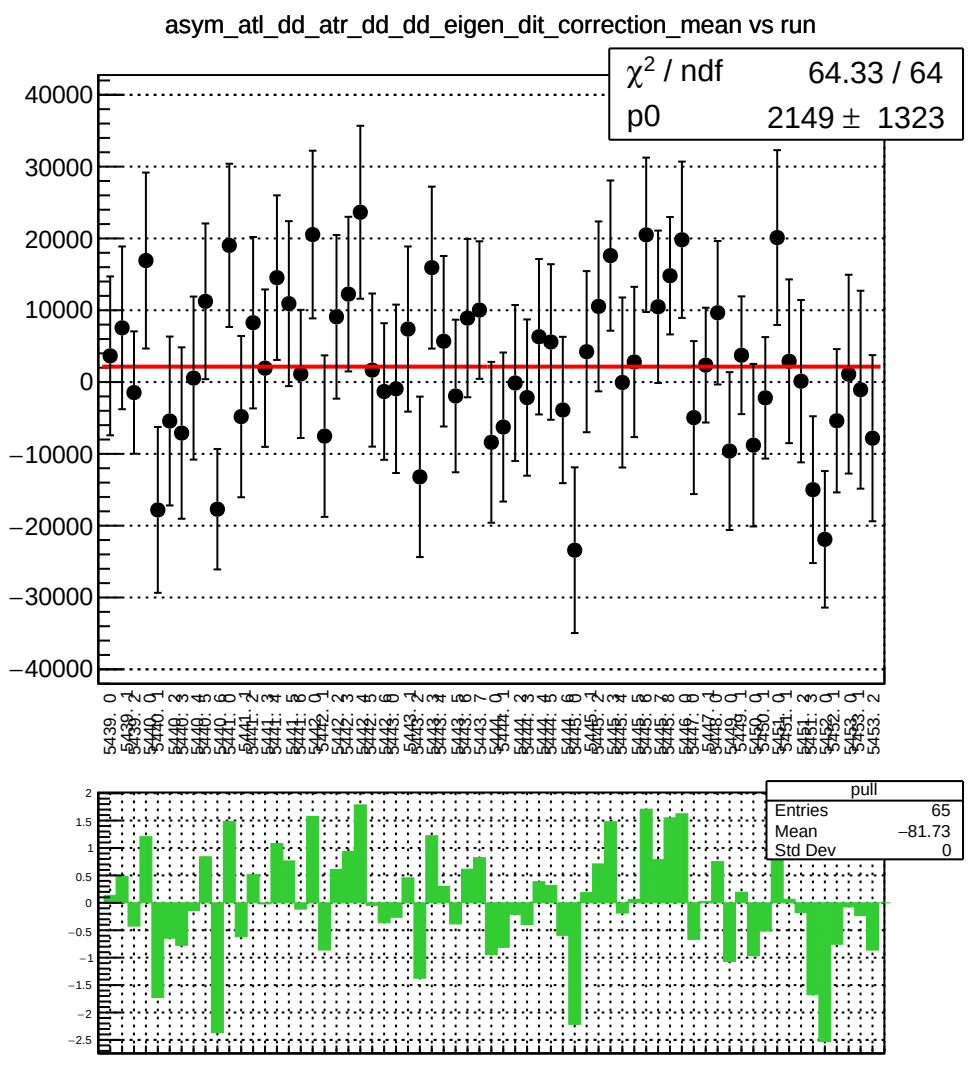

pull1D
Entries 65
Mean 0.01747
Std Dev 0.9947

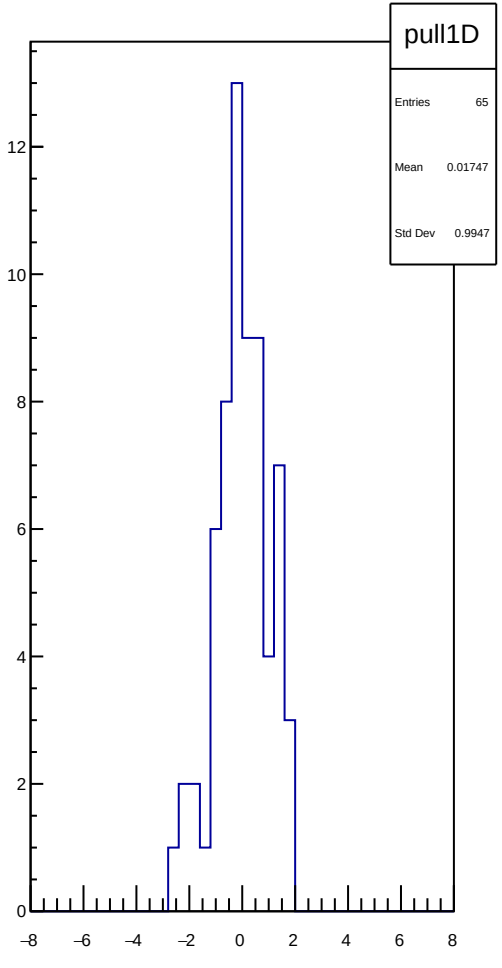

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 7311 / 64
p0 1070 ± 0.9352
1600
1500
1400
1300
1200
1100
1000
900

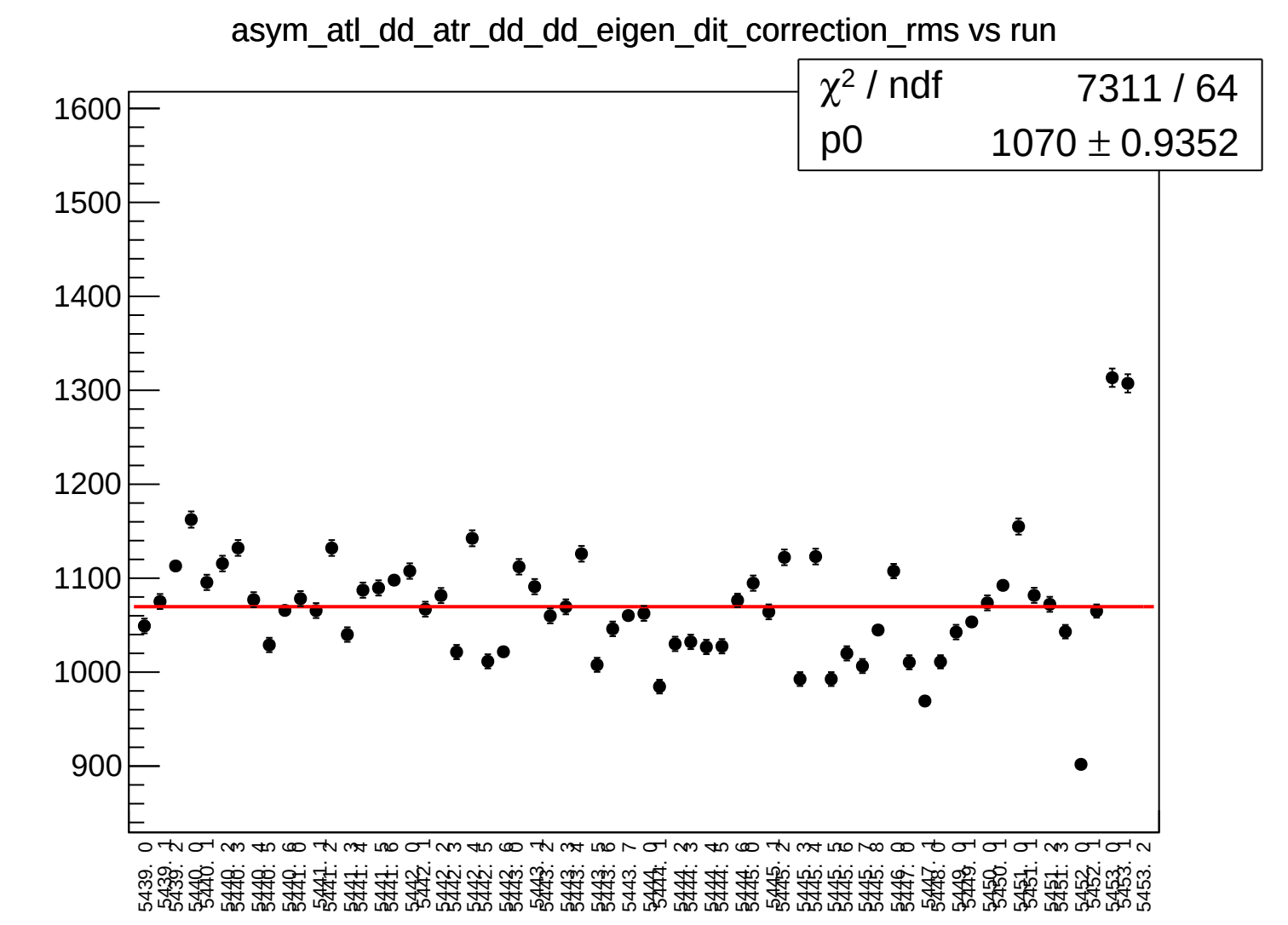

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 68.33 / 64
p0 −9006 ± 3901
100
50
0
−50
−100
pull
Entries 65
Mean 72.87
Std Dev 35.75
2
1
0
−1
−2

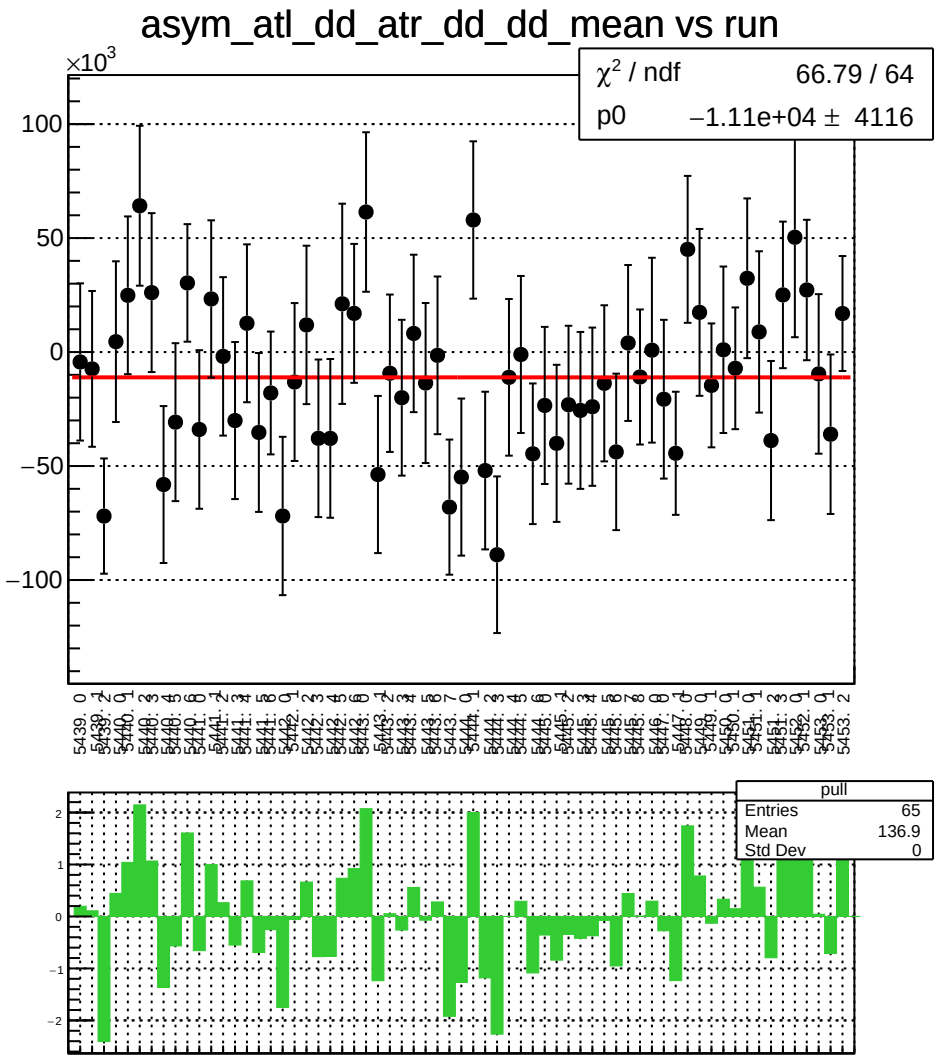

pull1D
Entries 65
Mean 0.02306
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

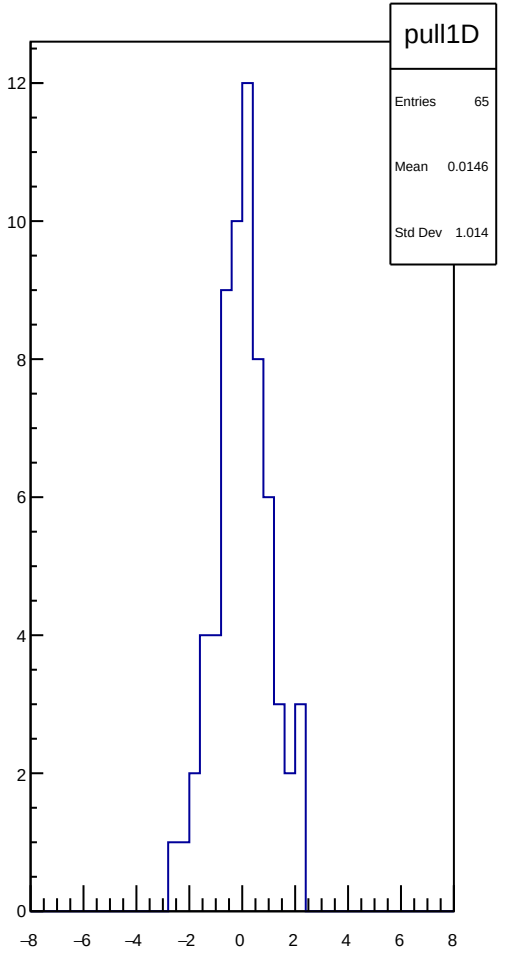

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3794 / 64
p0 3160 ± 2.759
4000
3800
3600
3400
3200
3000

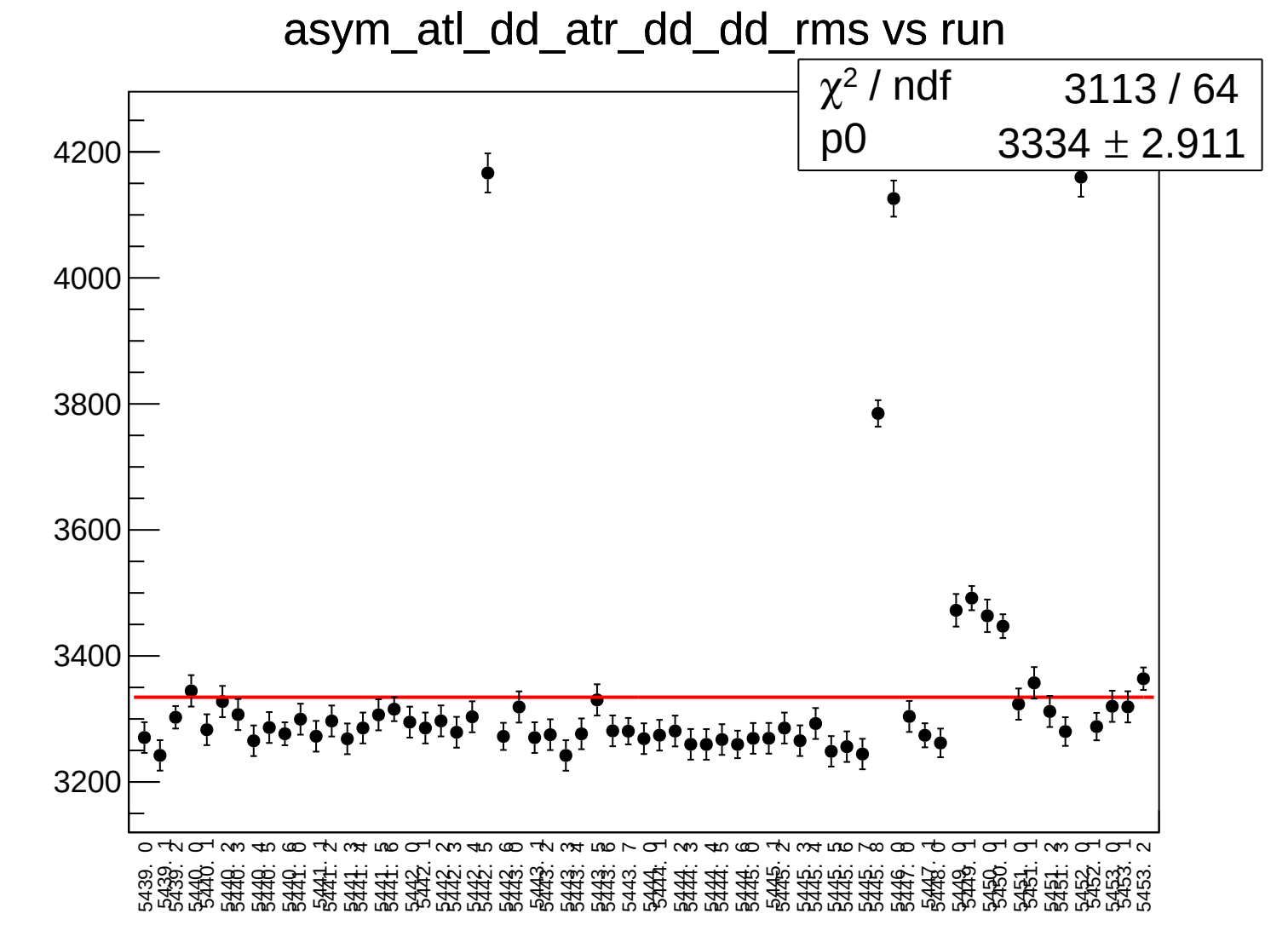

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 64.33 / 64
p0 2149 ± 1323
pull
Entries 65
Mean −81.73
Std Dev 0

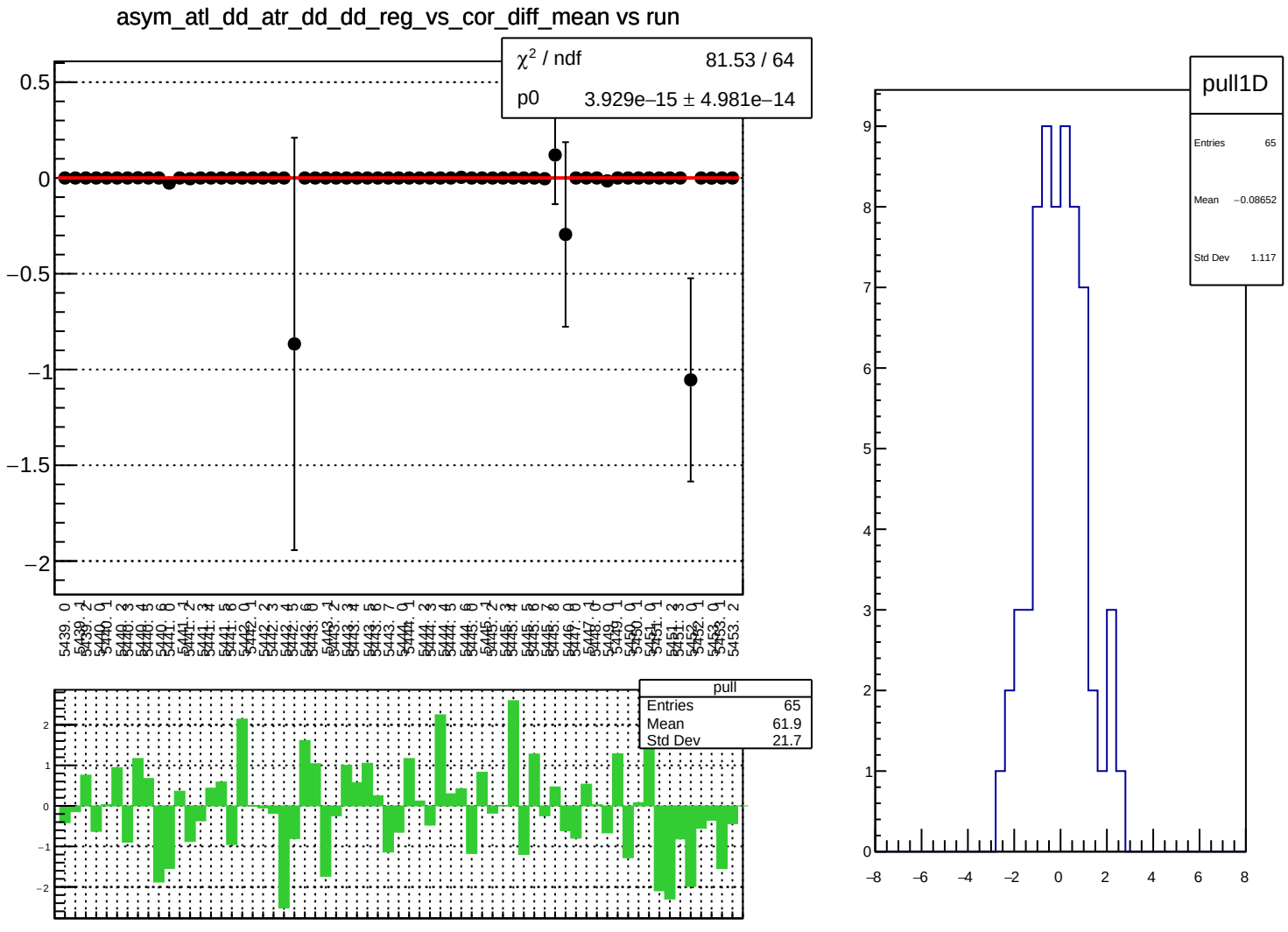

pull1D
Entries 65
Mean 0.01747
Std Dev 0.9947

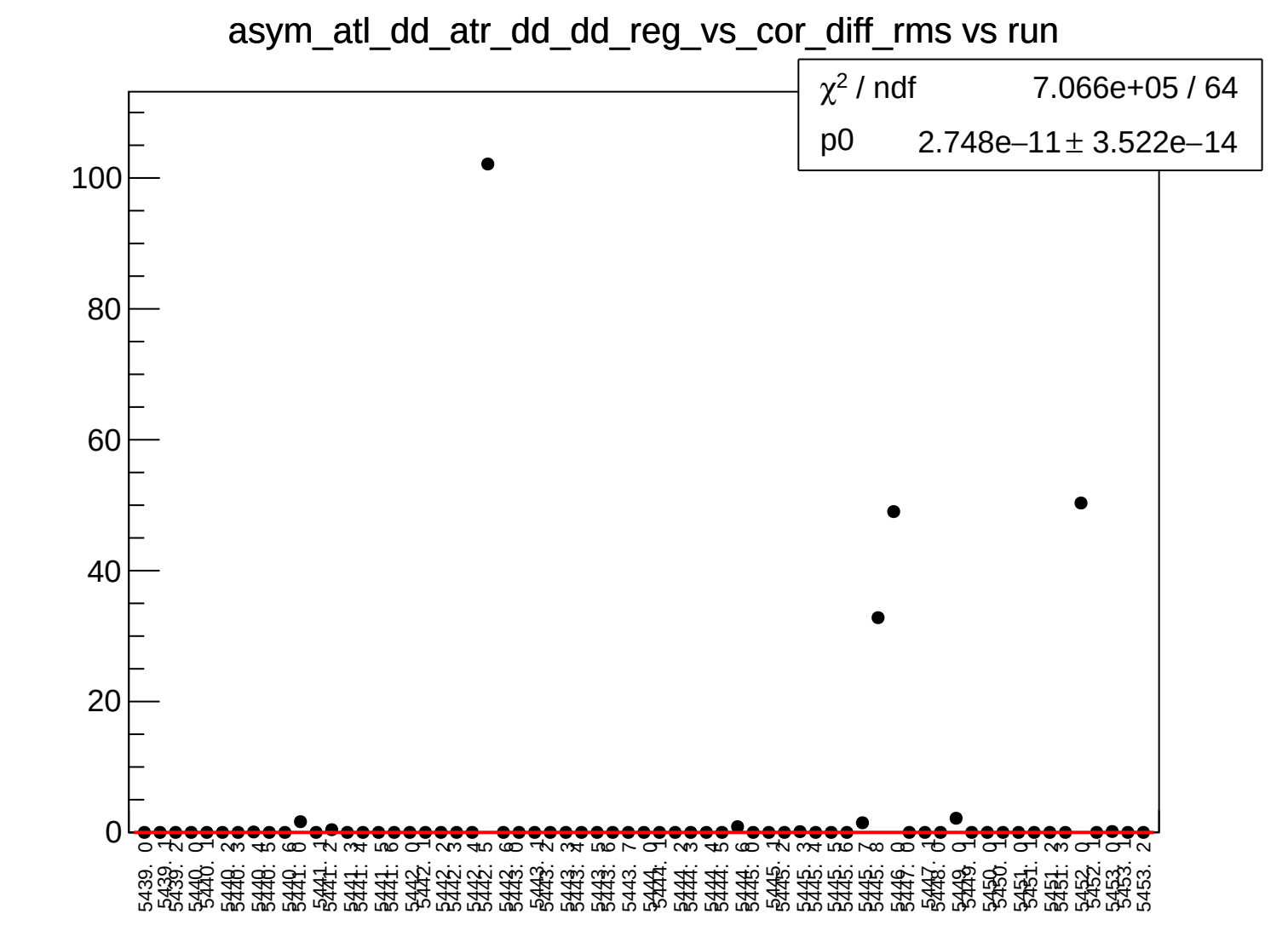

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7311 / 64
p0 1070 ± 0.9352
1600
1500
1400
1300
1200
1100
1000
900

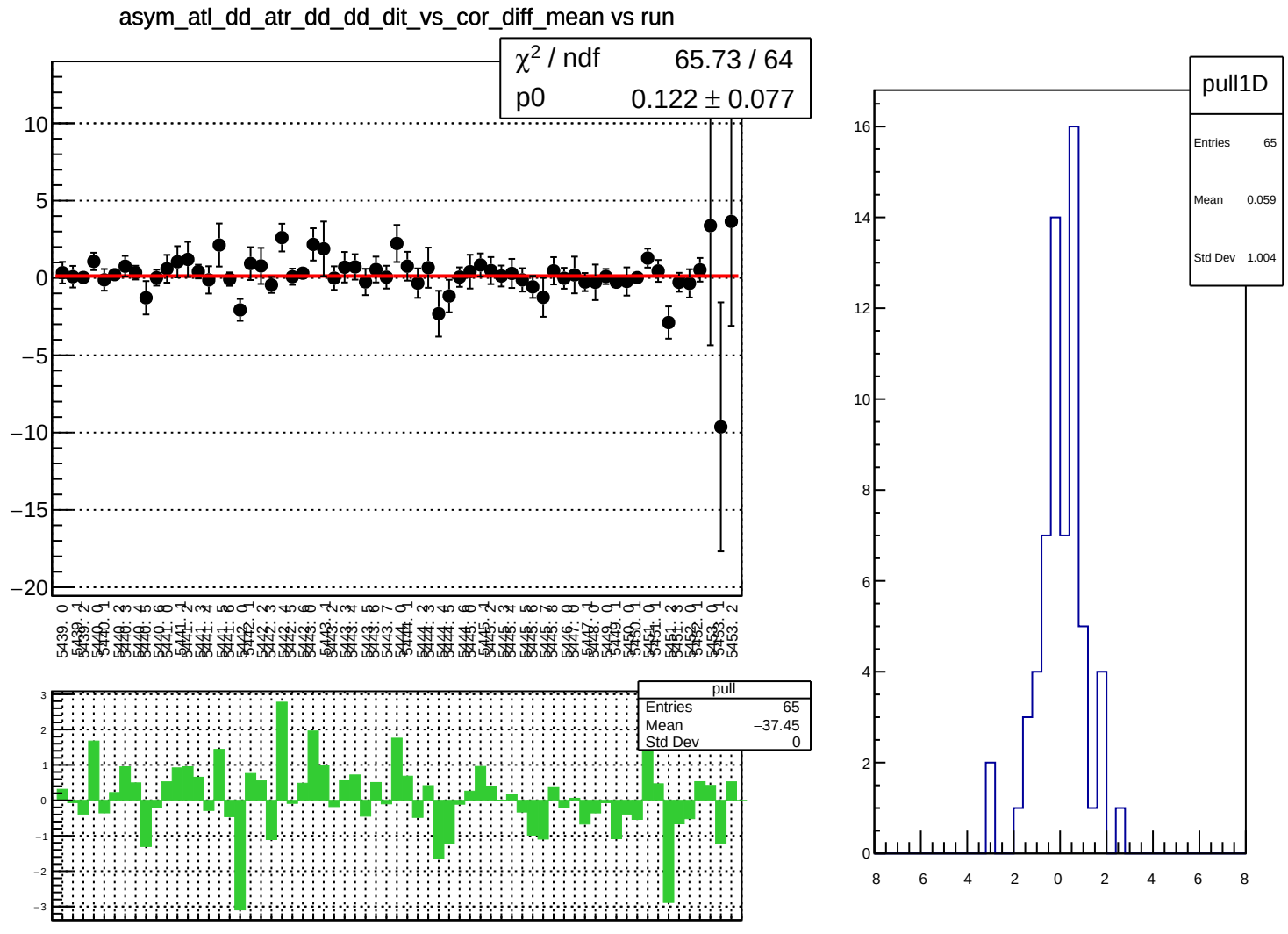

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 66.79 / 64
p0 −1.11e+04 ± 4116
pull
Entries 65
Mean 136.9
Std Dev 0

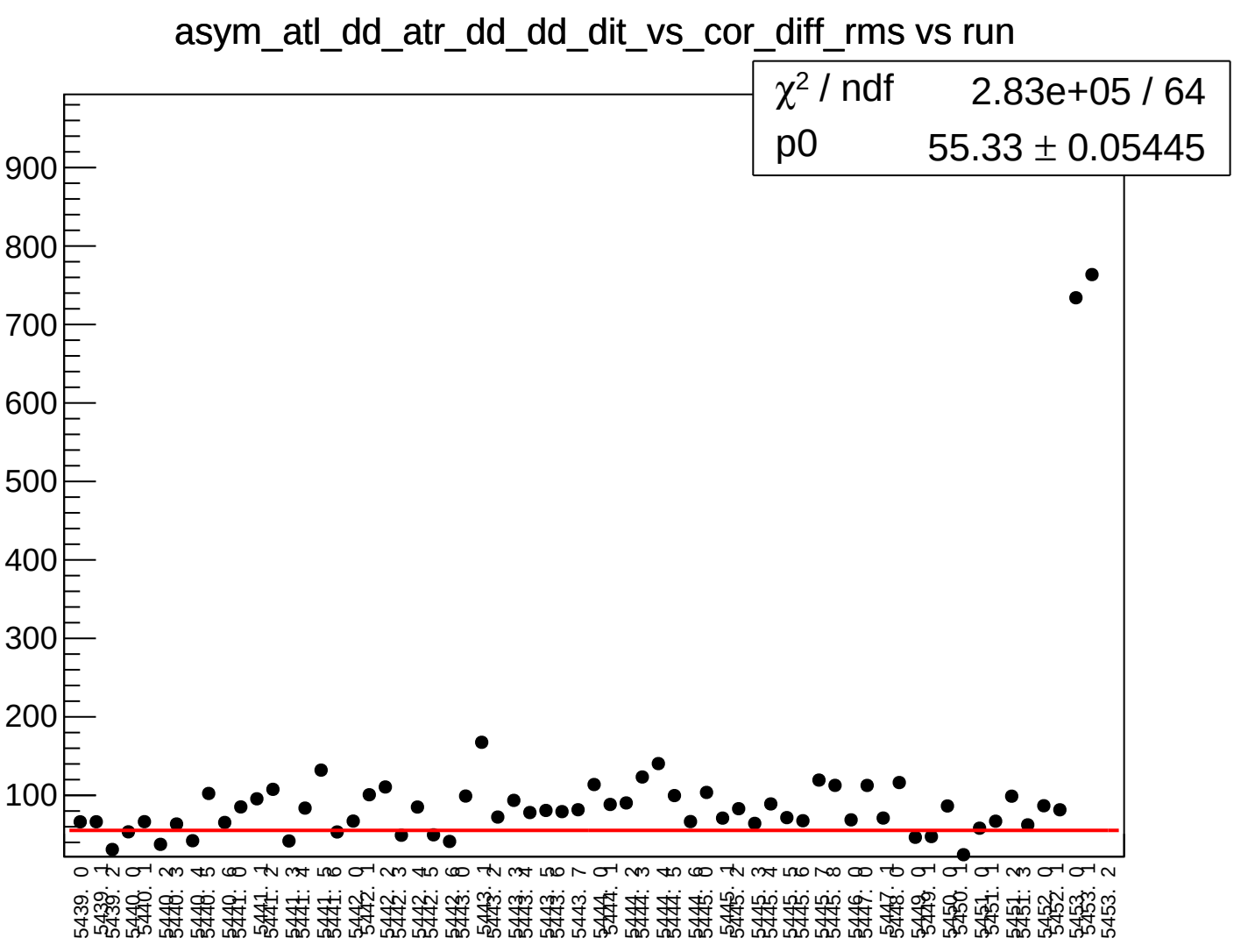

pull1D
Entries 65
Mean 0.0146
Std Dev 1.014

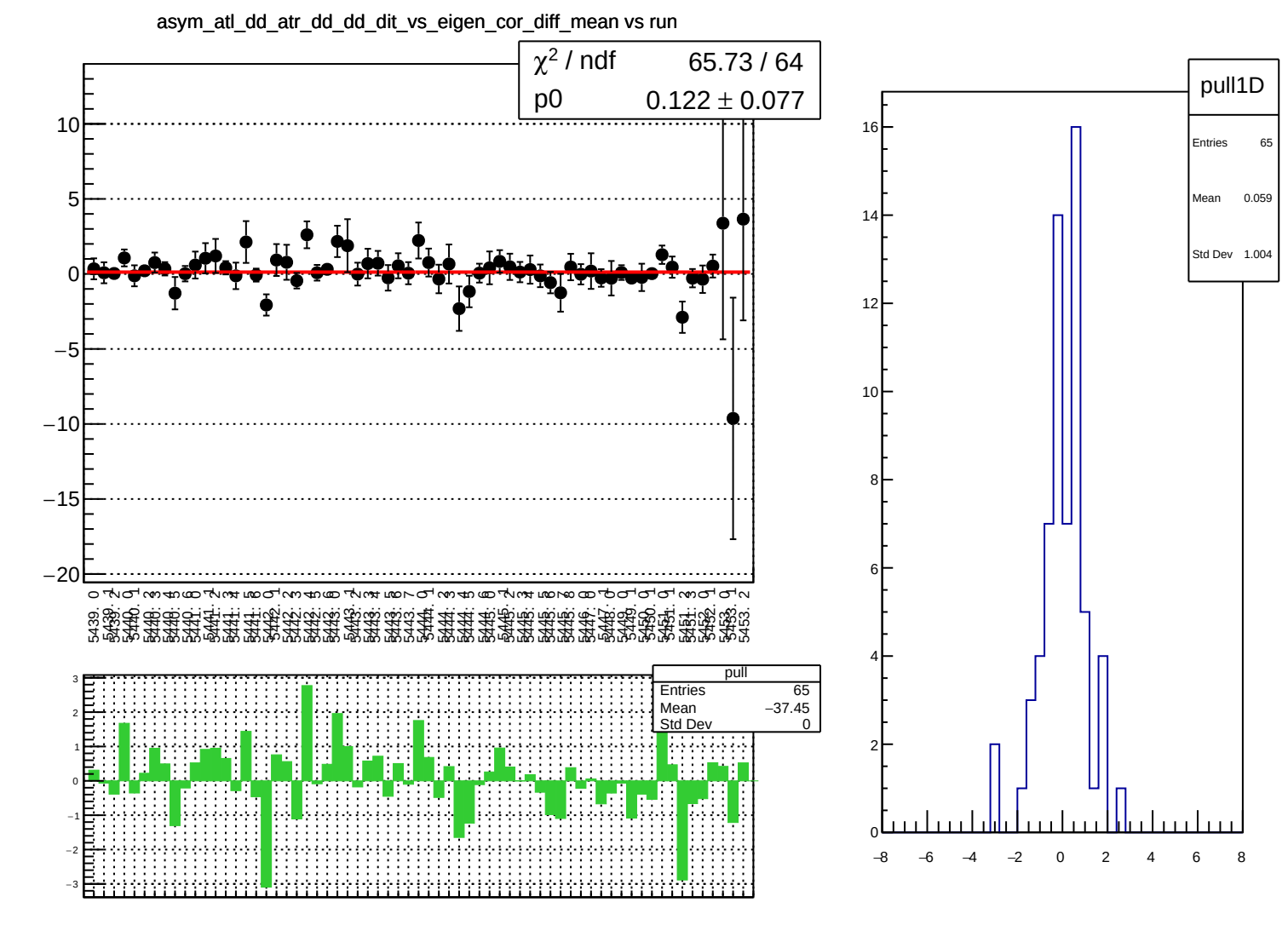

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3113 / 64
p0 3334 ± 2.911
4200
4000
3800
3600
3400
3200

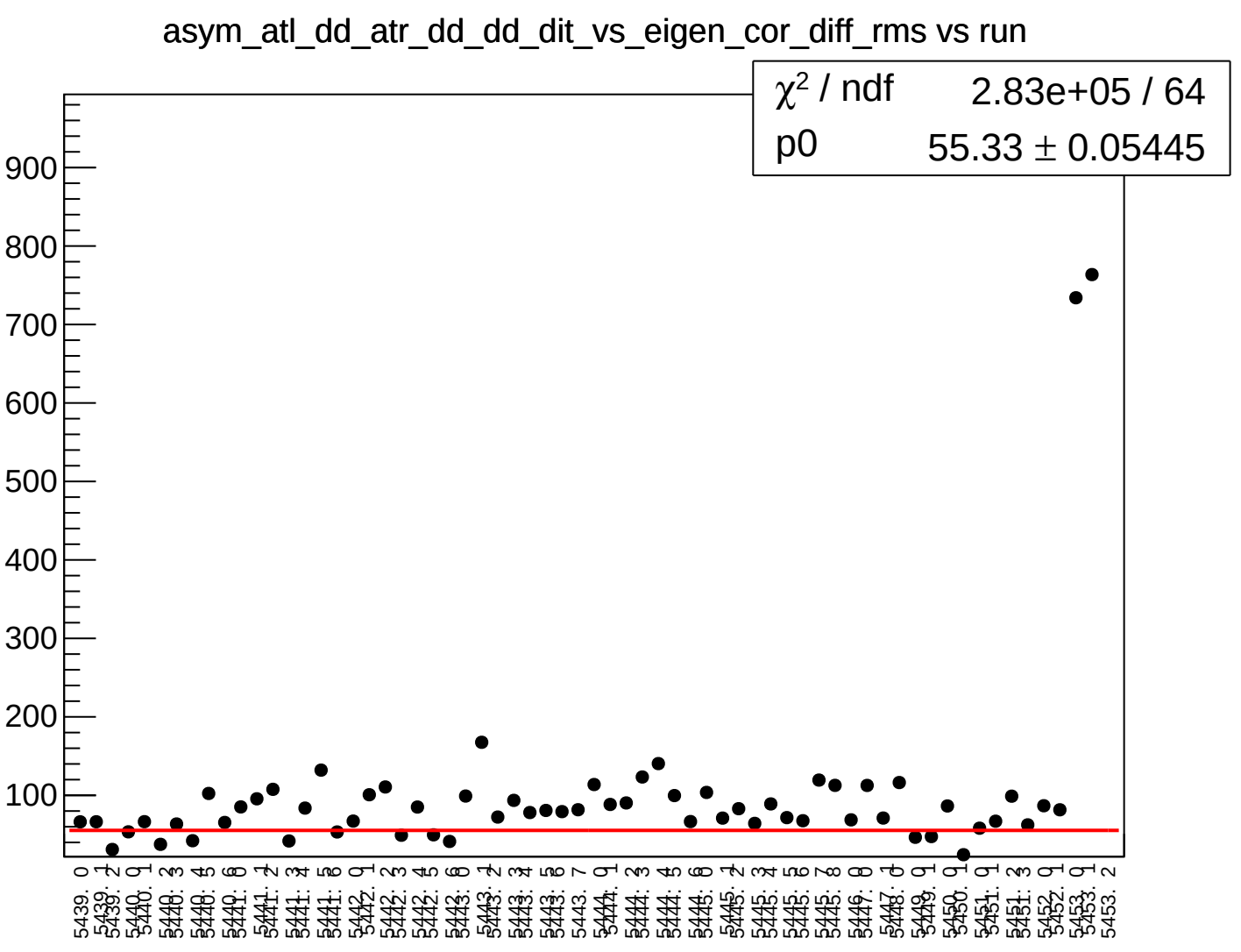

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.53 / 64
p0 3.929e−15 ± 4.981e−14
pull
Entries 65
Mean 61.9
Std Dev 21.7
pull1D
Entries 65
Mean −0.08652
Std Dev 1.117

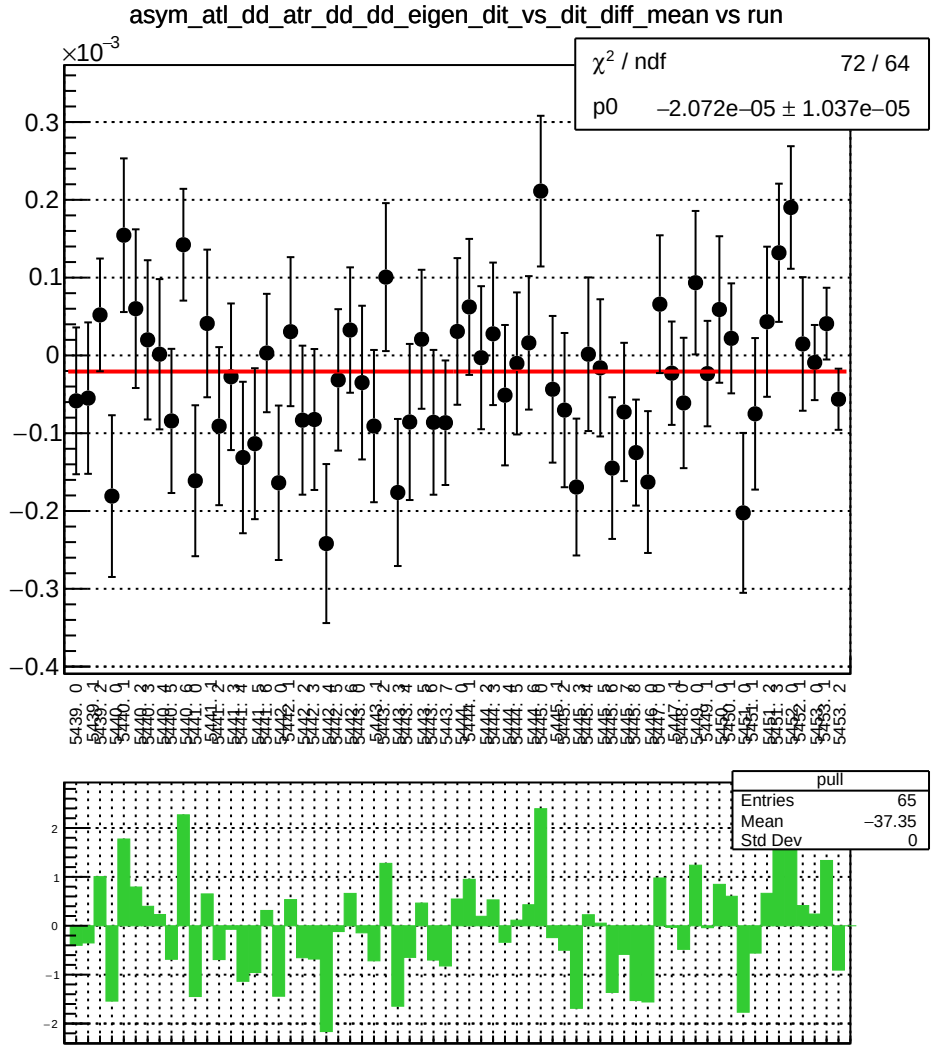

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.066e+05 / 64
p0 2.748e−11 ± 3.522e−14
100
80
60
40
20
0

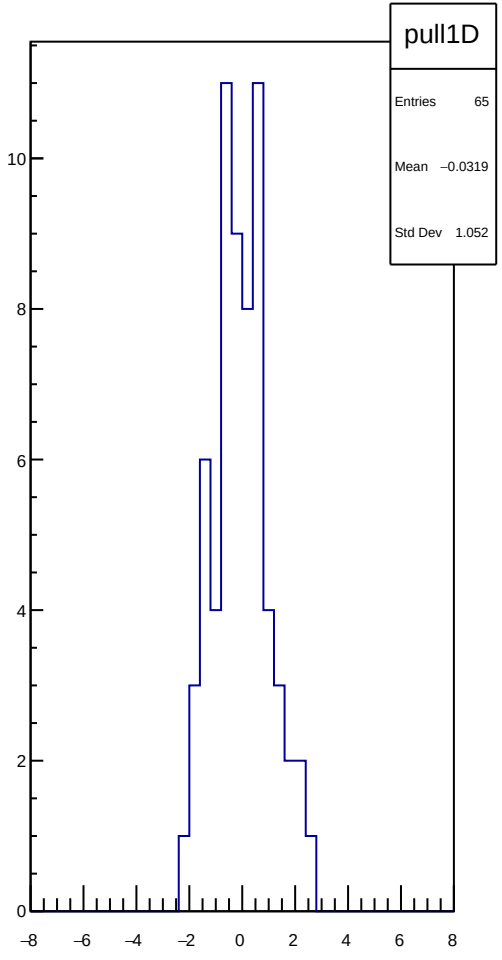

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.077
pull
Entries 65
Mean −37.45
Std Dev 0
pull1D
Entries 65
Mean 0.059
Std Dev 1.004

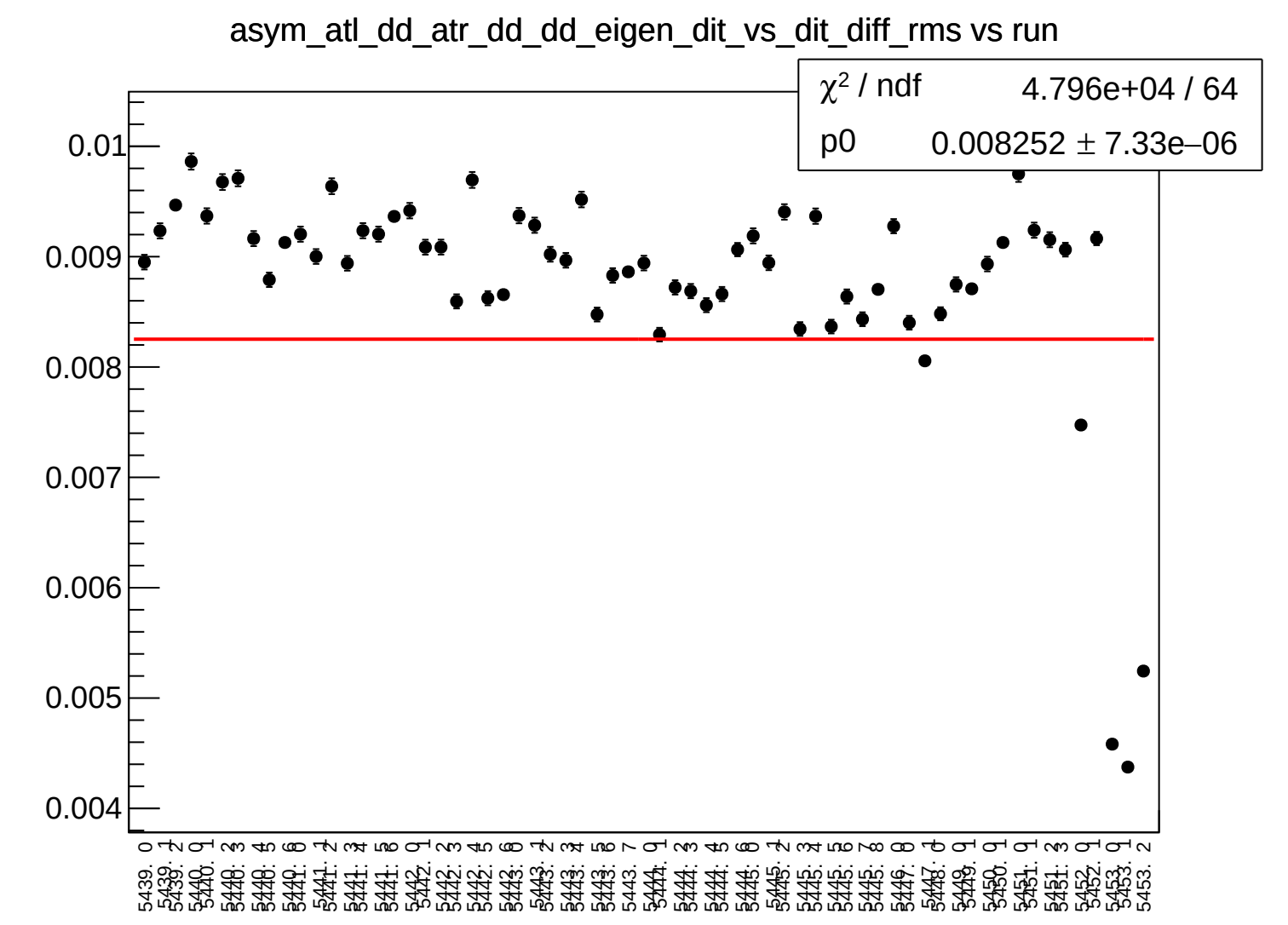

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.83e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

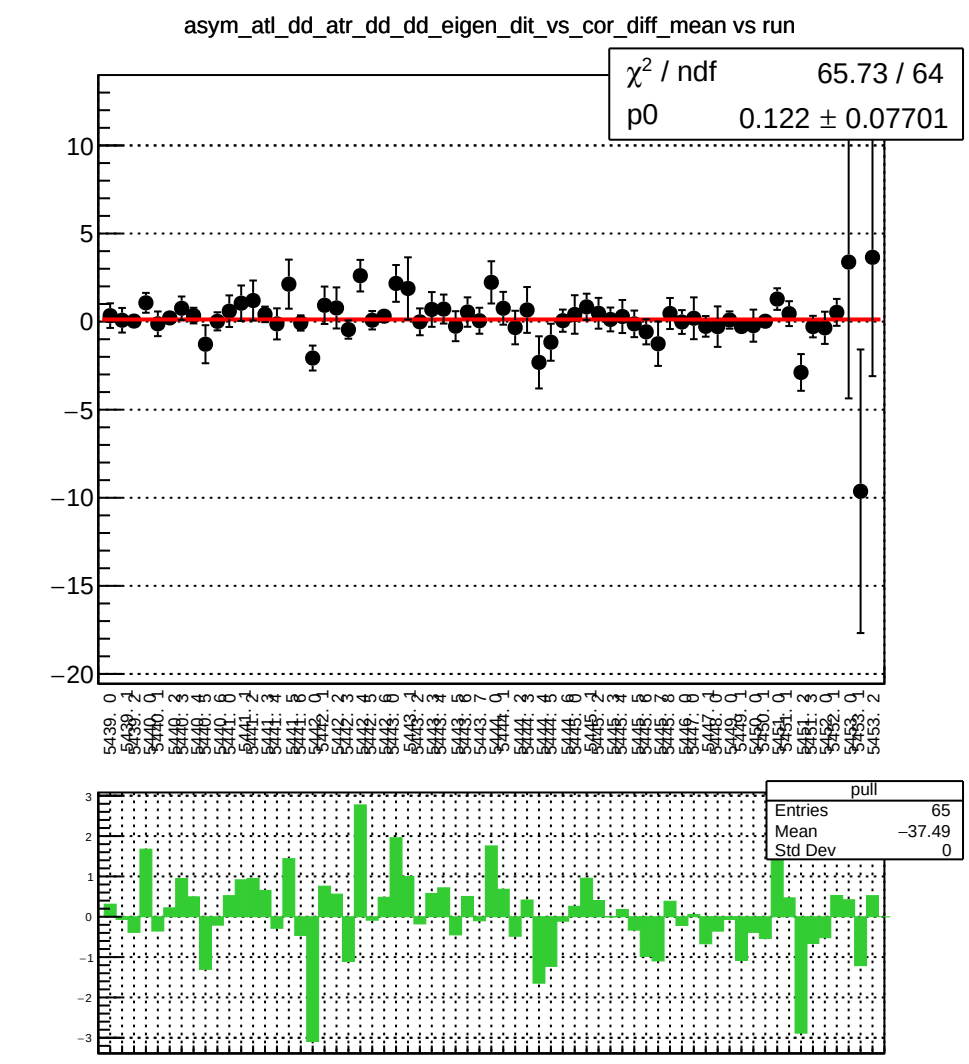

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.077
pull
Entries 65
Mean −37.45
Std Dev 0
pull1D
Entries 65
Mean 0.059
Std Dev 1.004

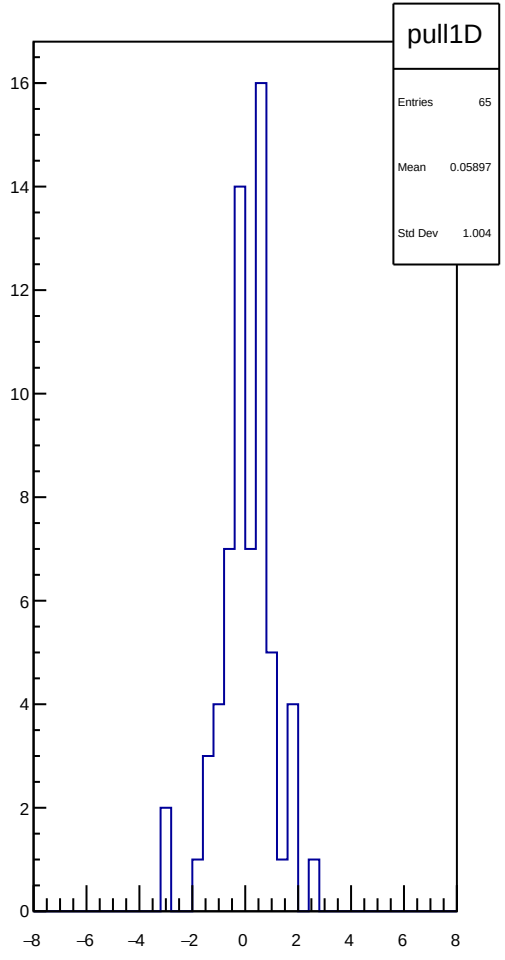

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.83e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

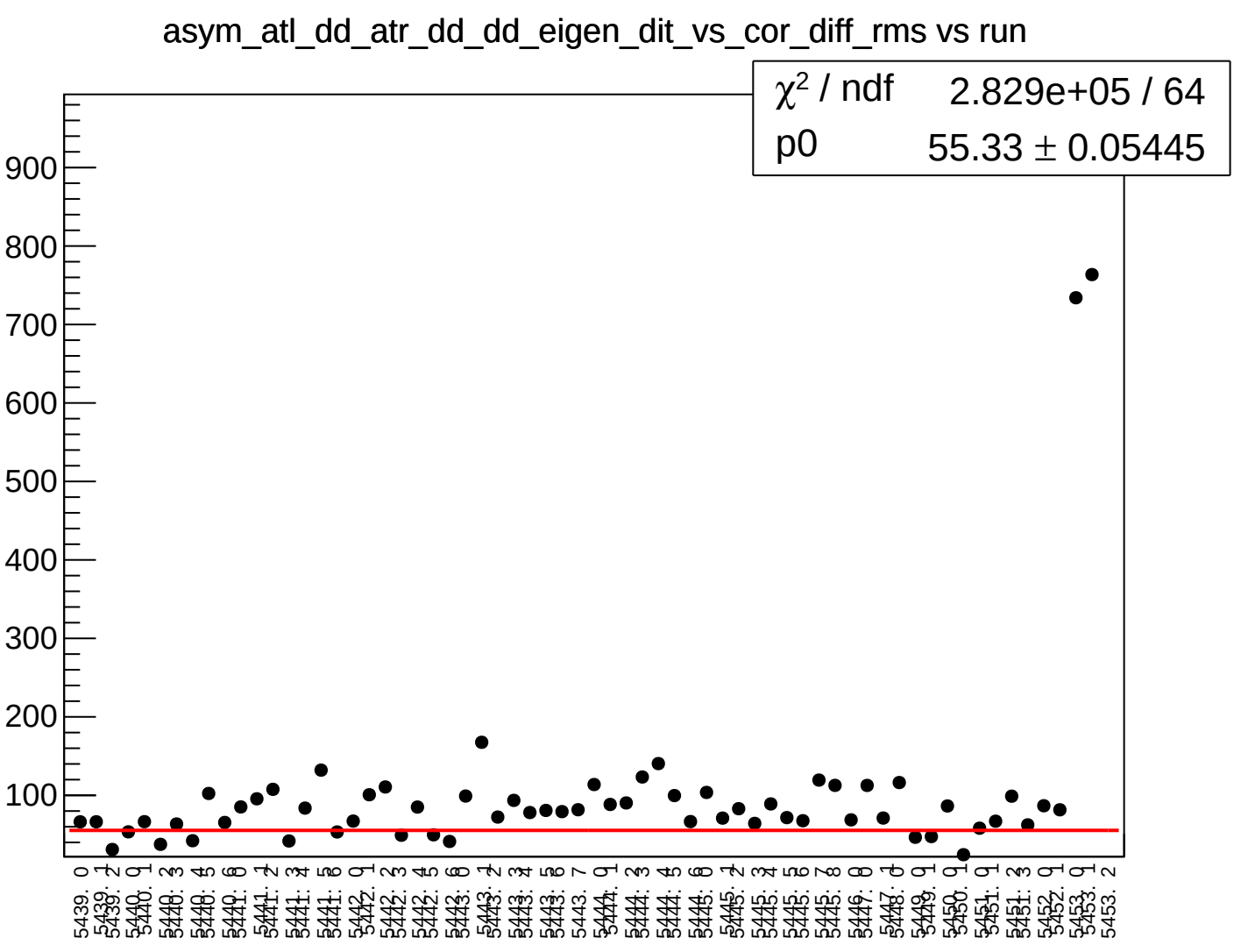

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72 / 64
p0 −2.072e−05 ± 1.037e−05
pull
Entries 65
Mean −37.35
Std Dev 0

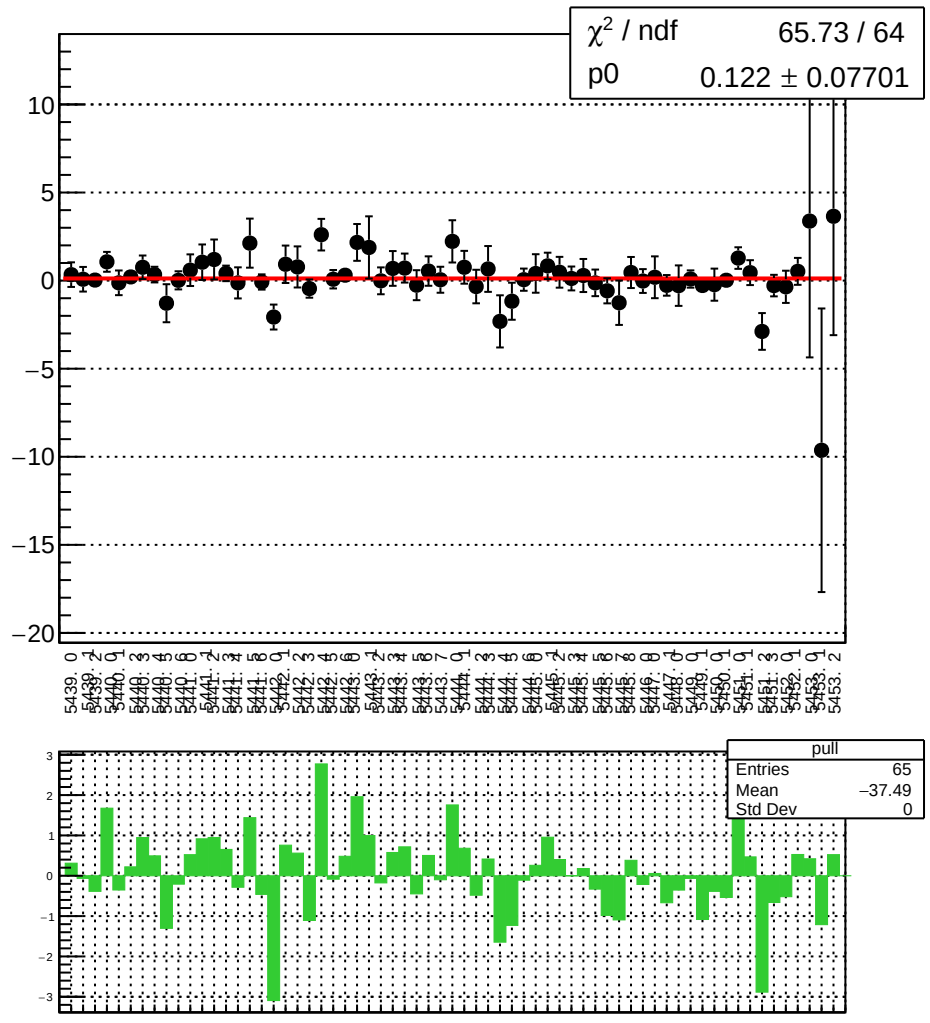

pull1D
Entries 65
Mean −0.0319
Std Dev 1.052

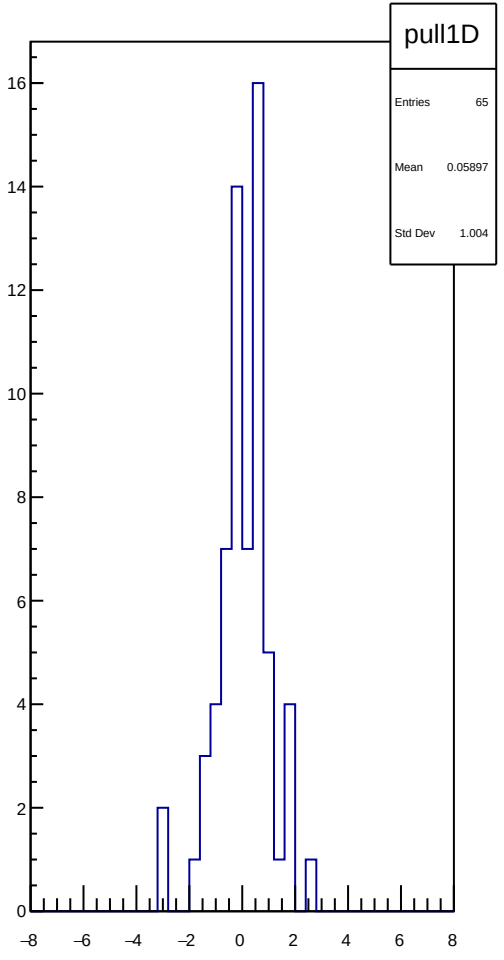

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.796e+04 / 64
p0 0.008252 ± 7.33e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

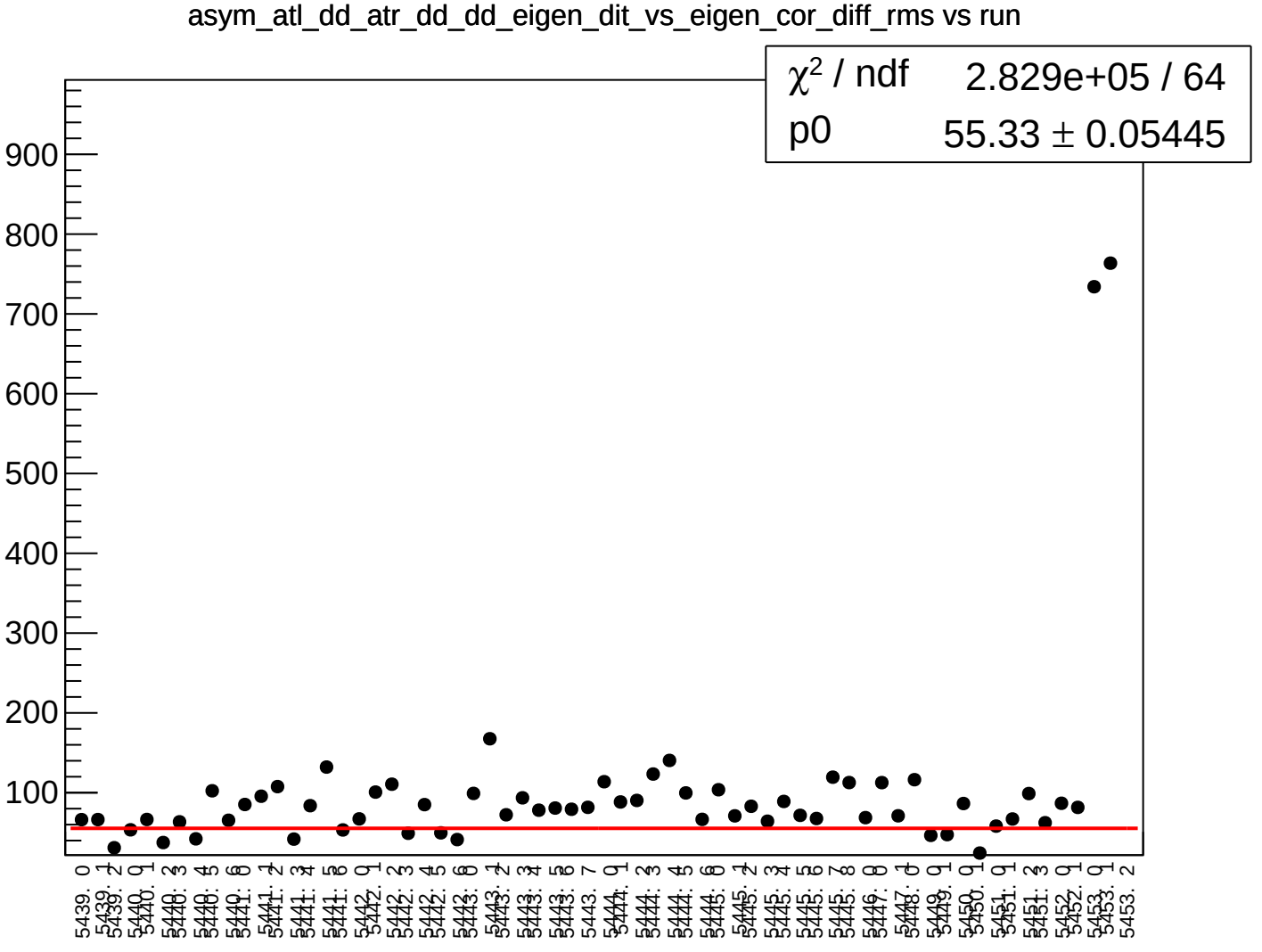

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.07701
pull
Entries 65
Mean −37.49
Std Dev 0

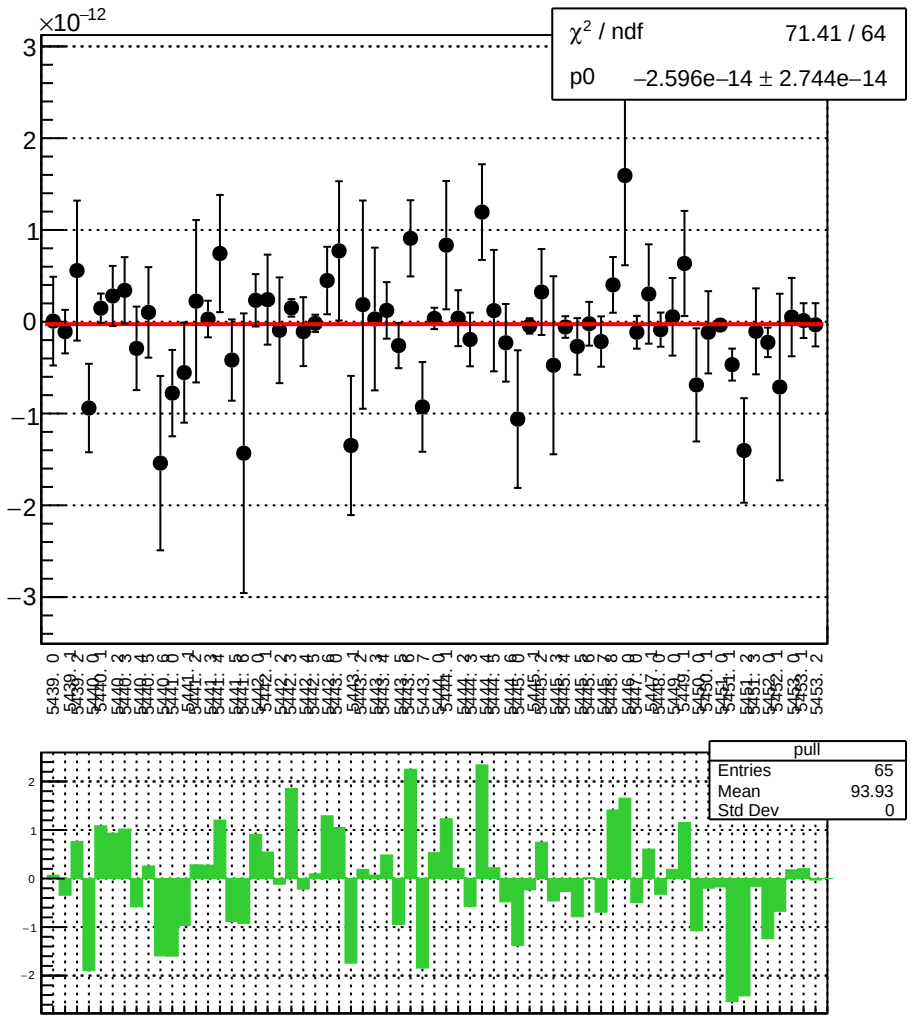

pull1D
Entries 65
Mean 0.05897
Std Dev 1.004

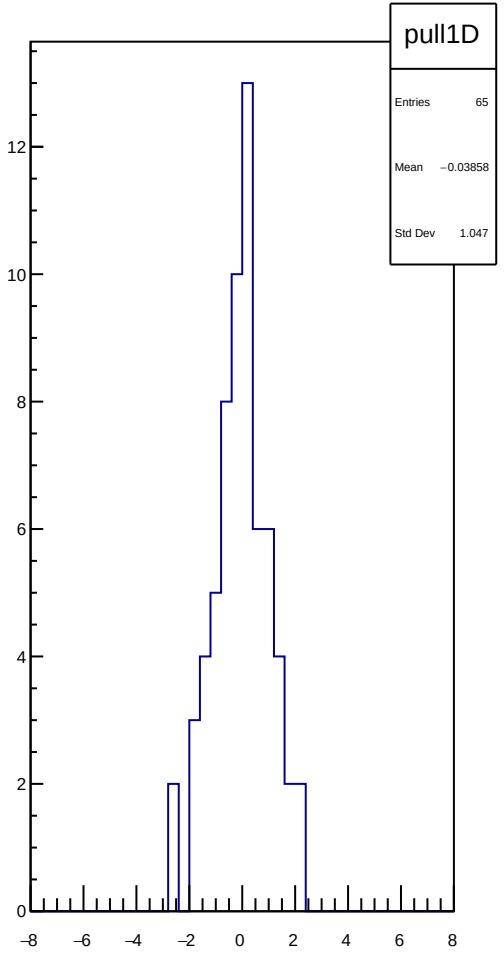

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.829e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

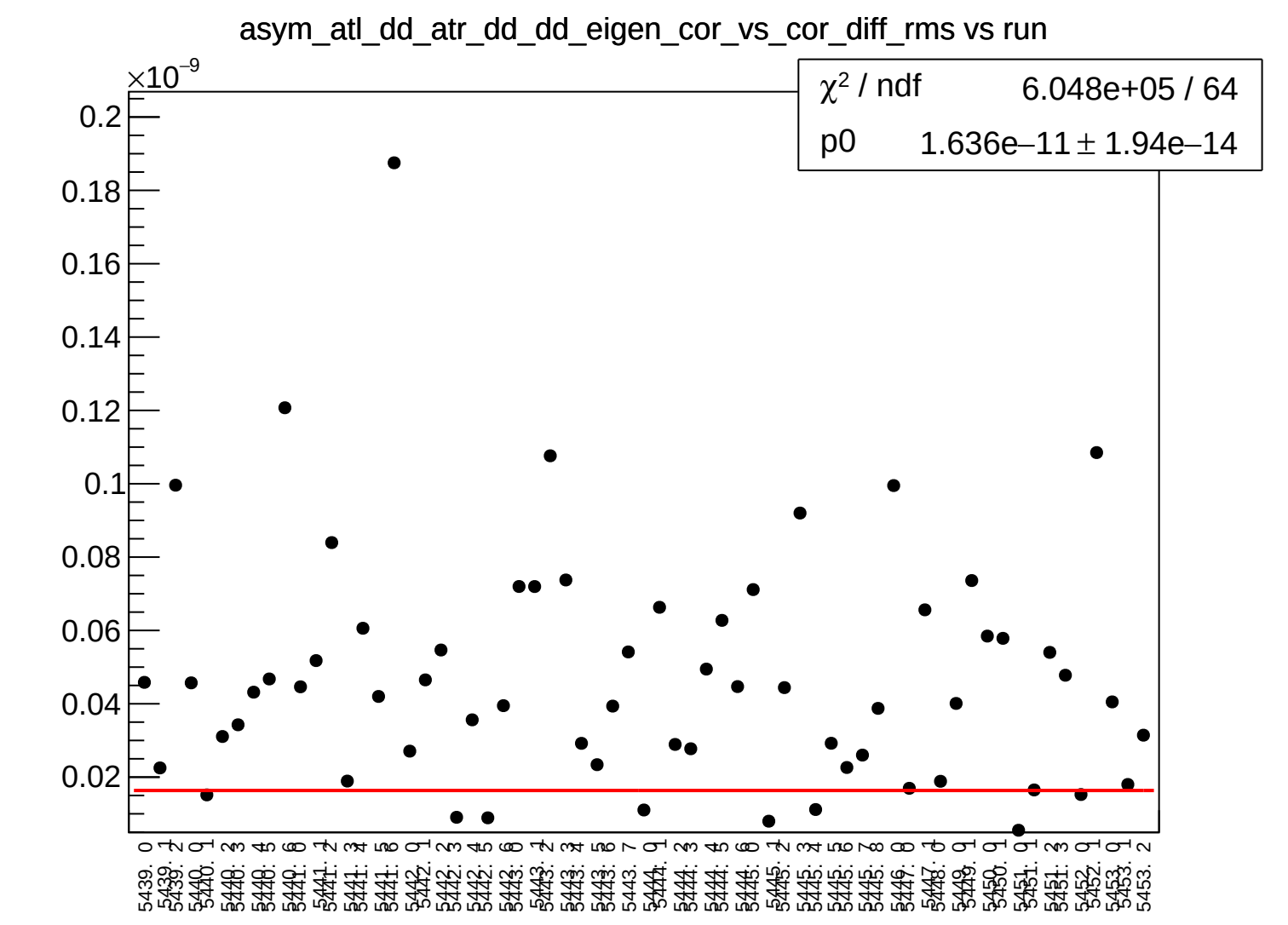

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.07701
pull
Entries 65
Mean −37.49
Std Dev 0

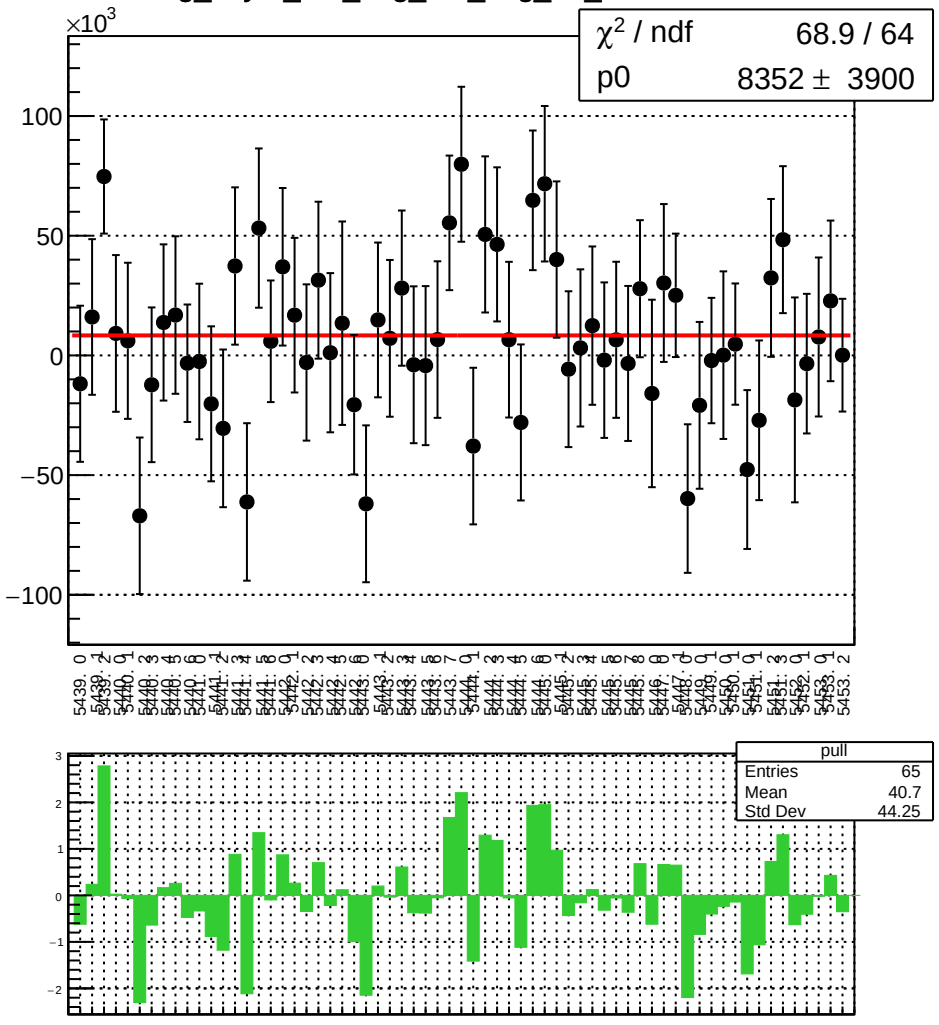

pull1D
Entries 65
Mean 0.05897
Std Dev 1.004

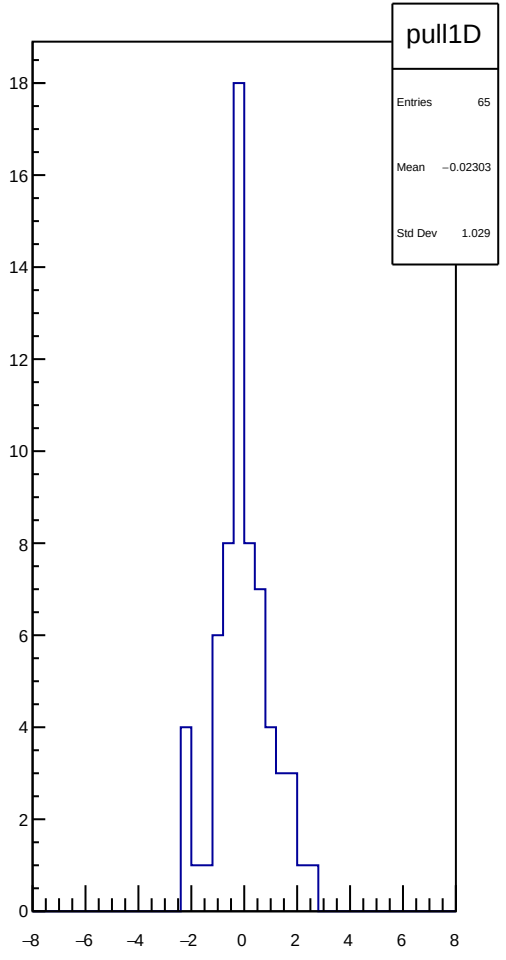

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.829e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

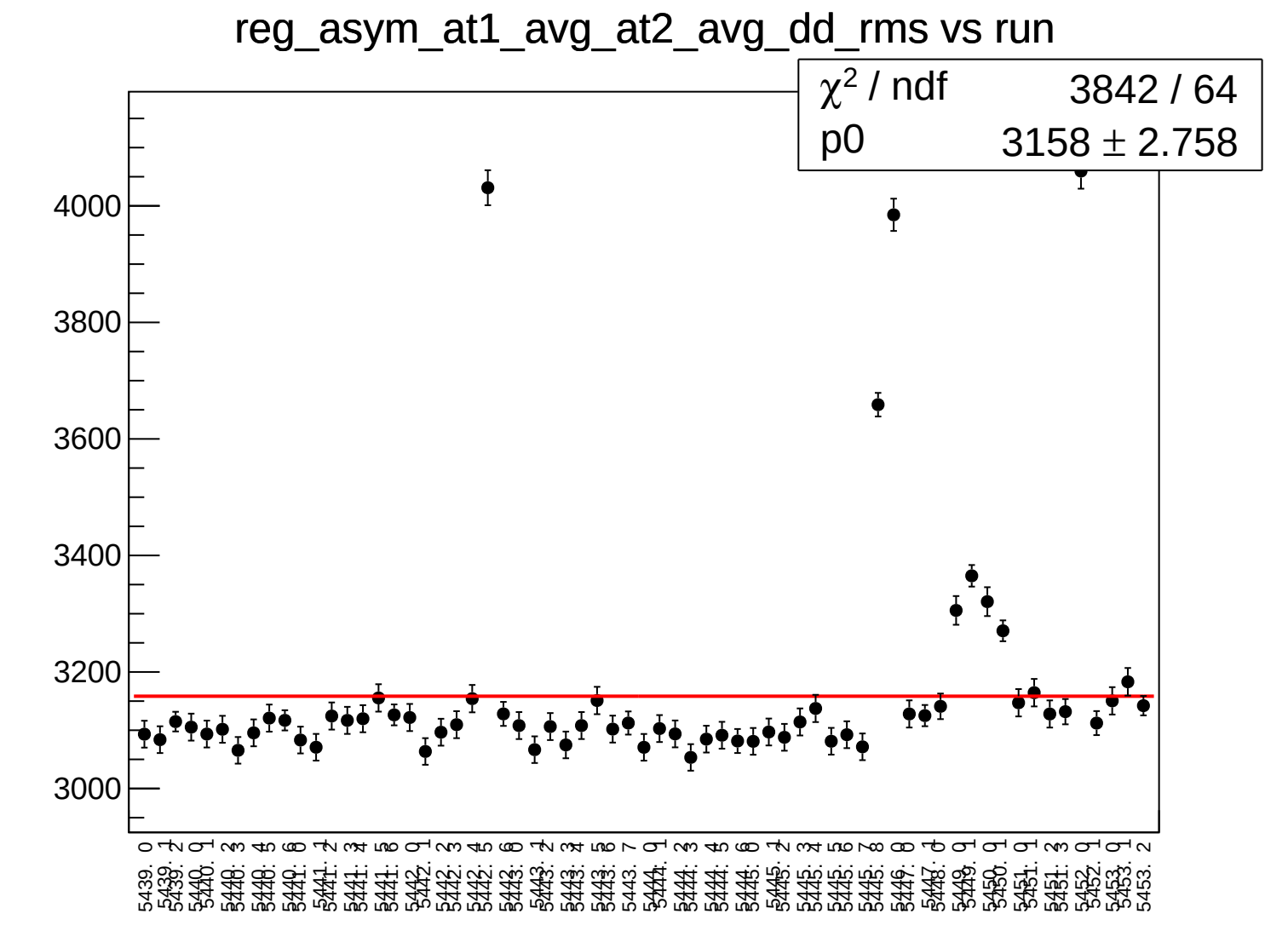

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.41 / 64
p0 −2.596e−14 ± 2.744e−14
pull
Entries 65
Mean 93.93
Std Dev 0

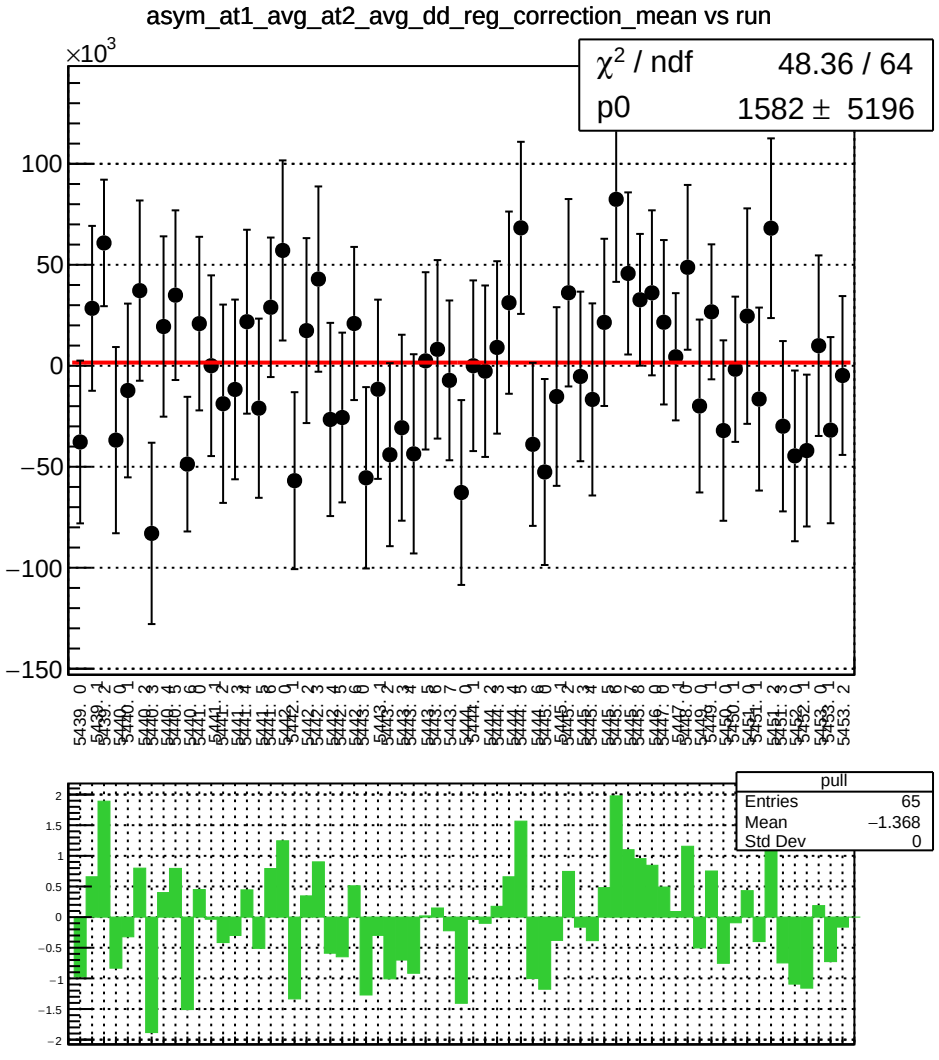

pull1D
Entries 65
Mean −0.03858
Std Dev 1.047

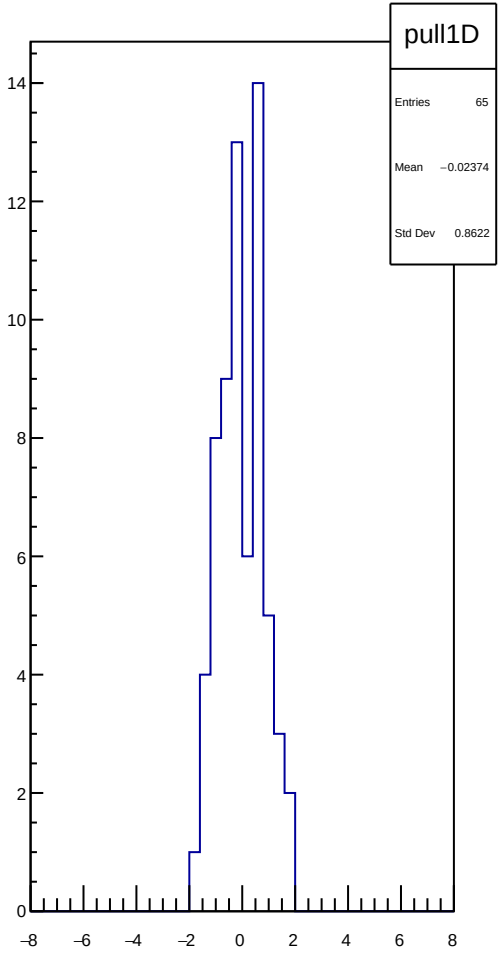

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.048e+05 / 64
p0 1.636e−11 ± 1.94e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

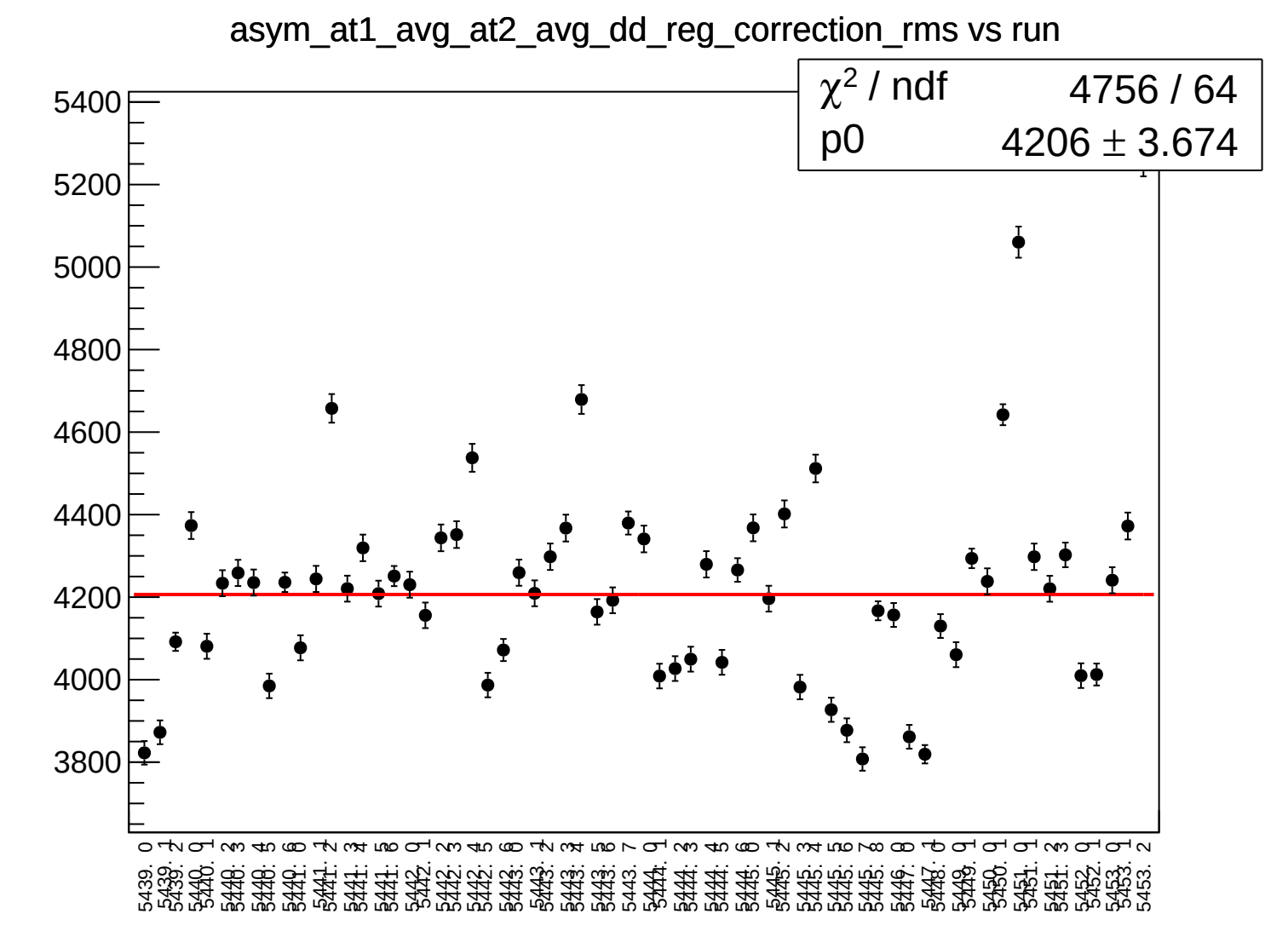

reg_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 68.9 / 64
p0 8352 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 40.7
Std Dev 44.25
3
2
1
0
−1
−2

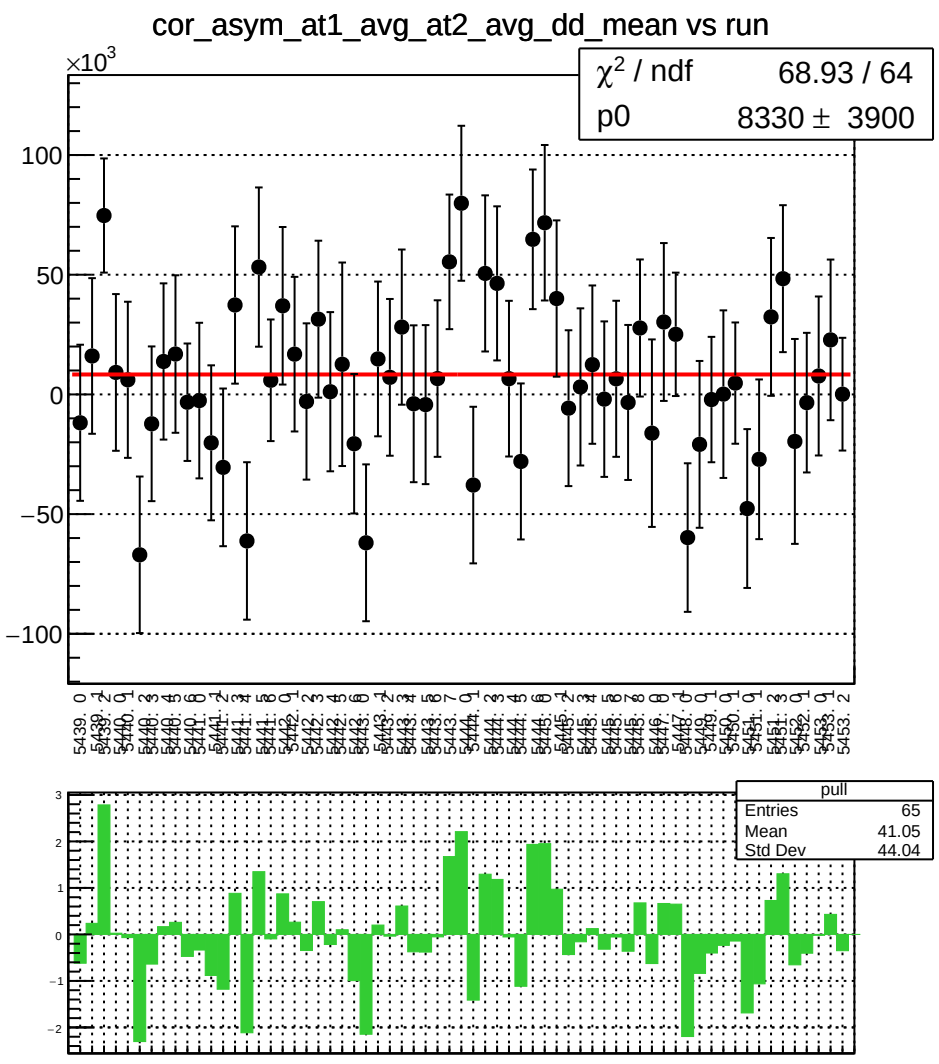

pull1D
Entries 65
Mean −0.02303
Std Dev 1.029
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

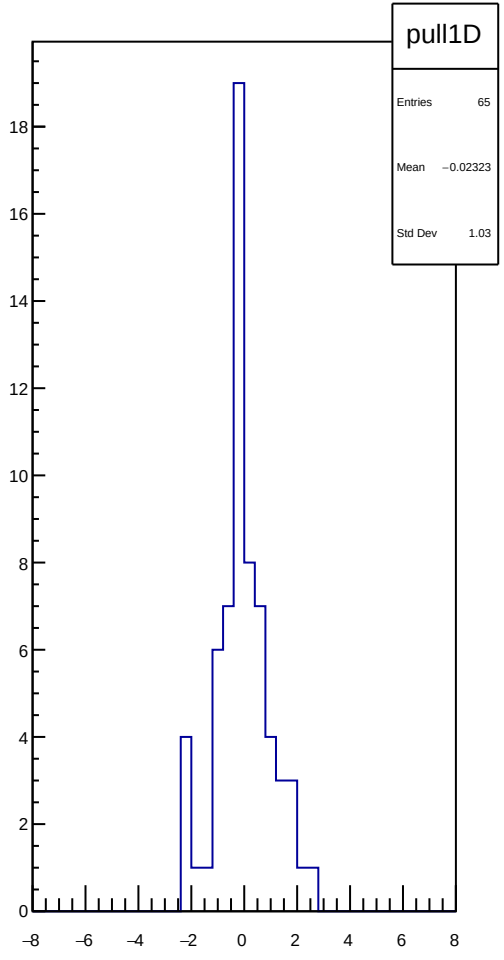

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 3842 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

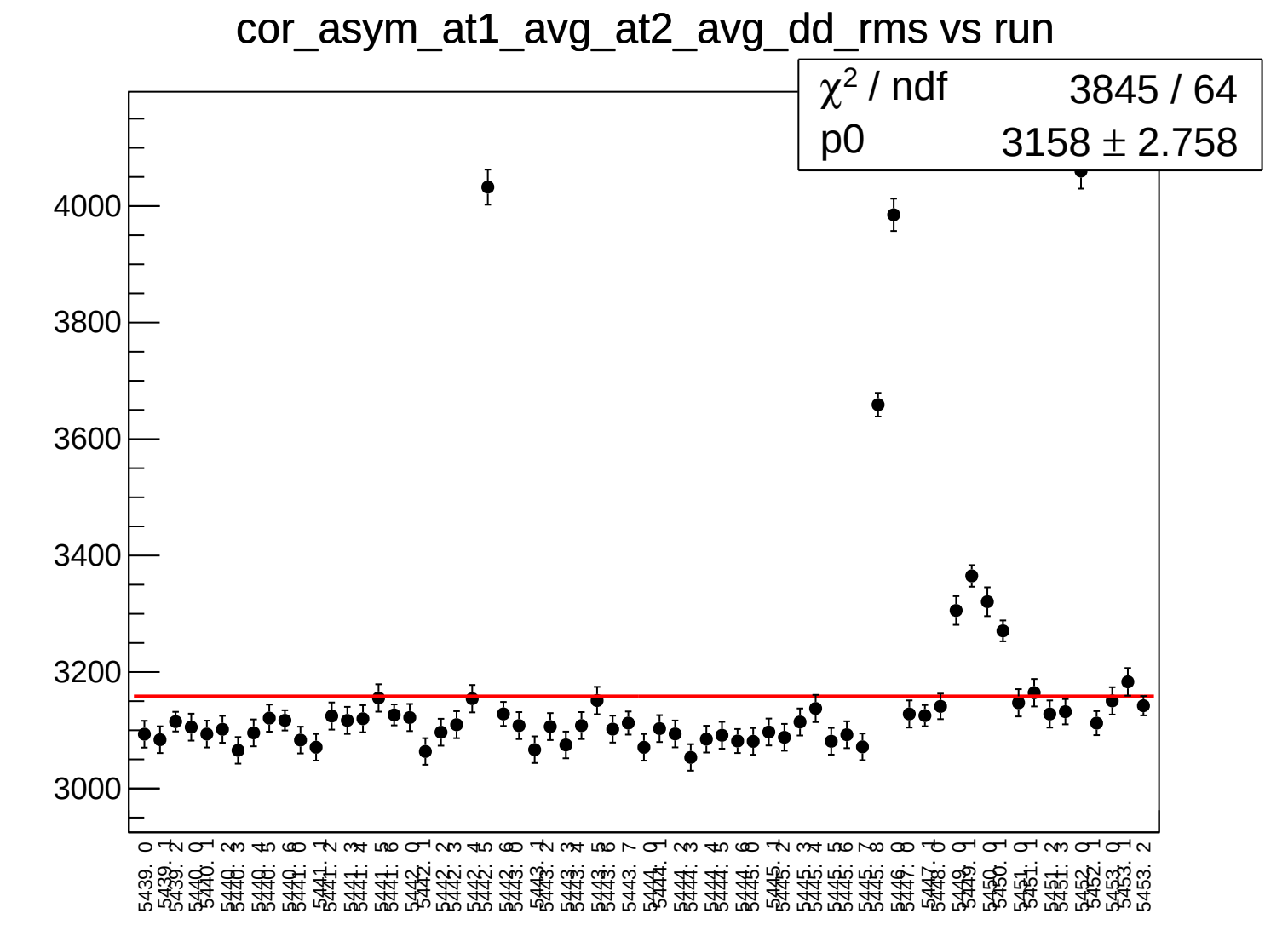

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
χ² / ndf 48.36 / 64
p0 1582 ± 5196
pull
Entries 65
Mean −1.368
Std Dev 0

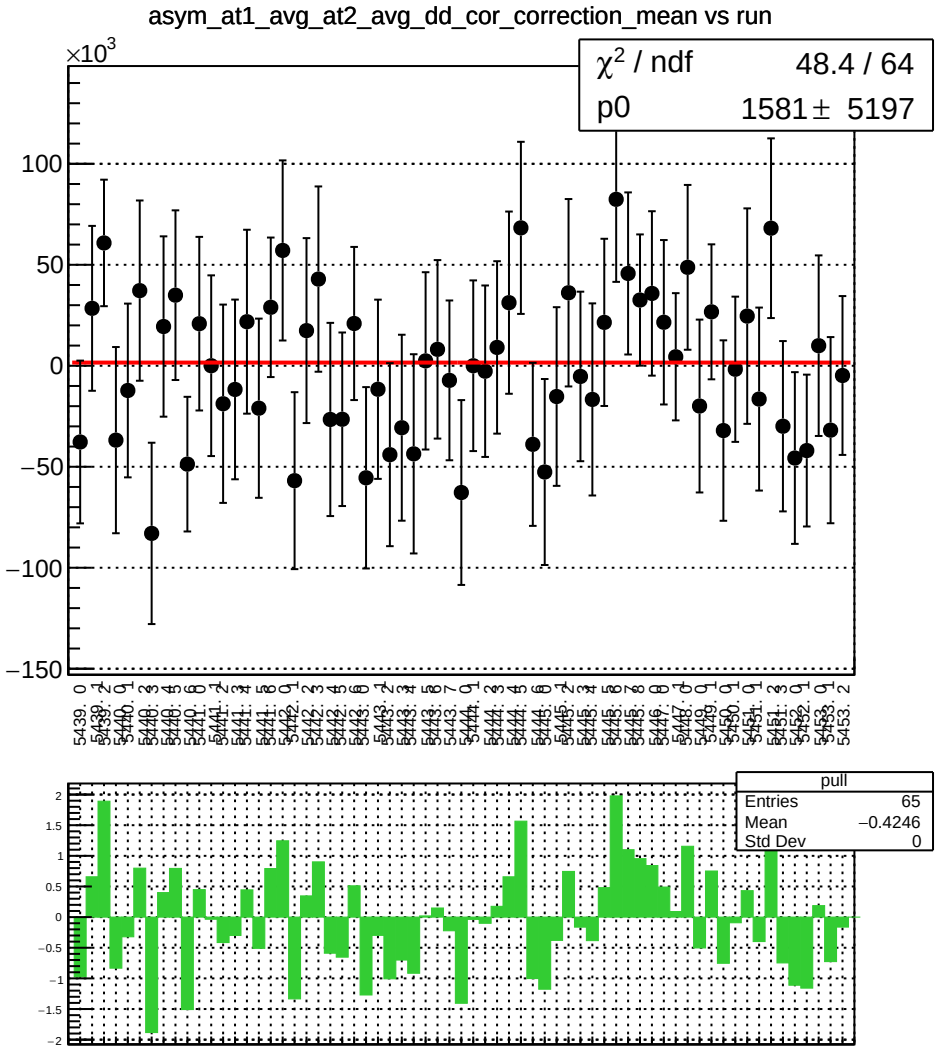

pull1D
Entries 65
Mean −0.02374
Std Dev 0.8622

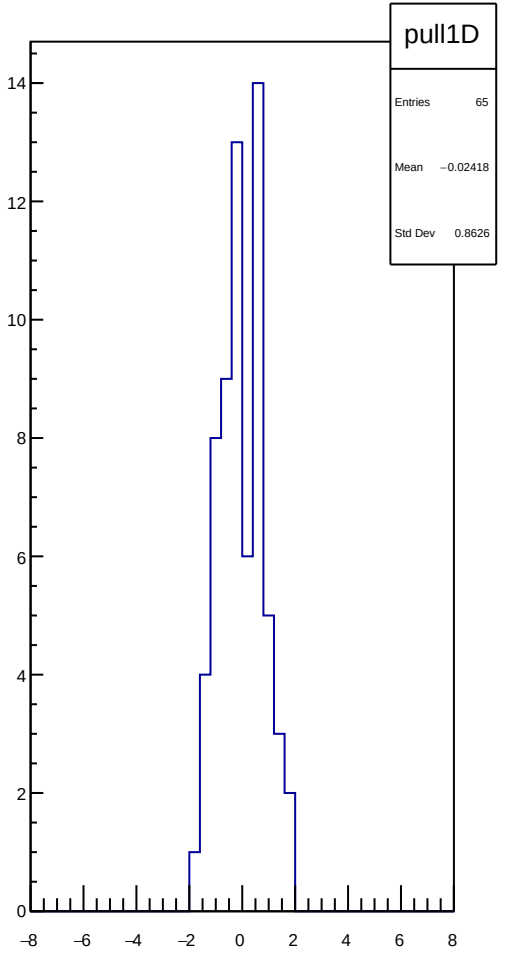

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 4756 / 64
p0 4206 ± 3.674
5400
5200
5000
4800
4600
4400
4200
4000
3800

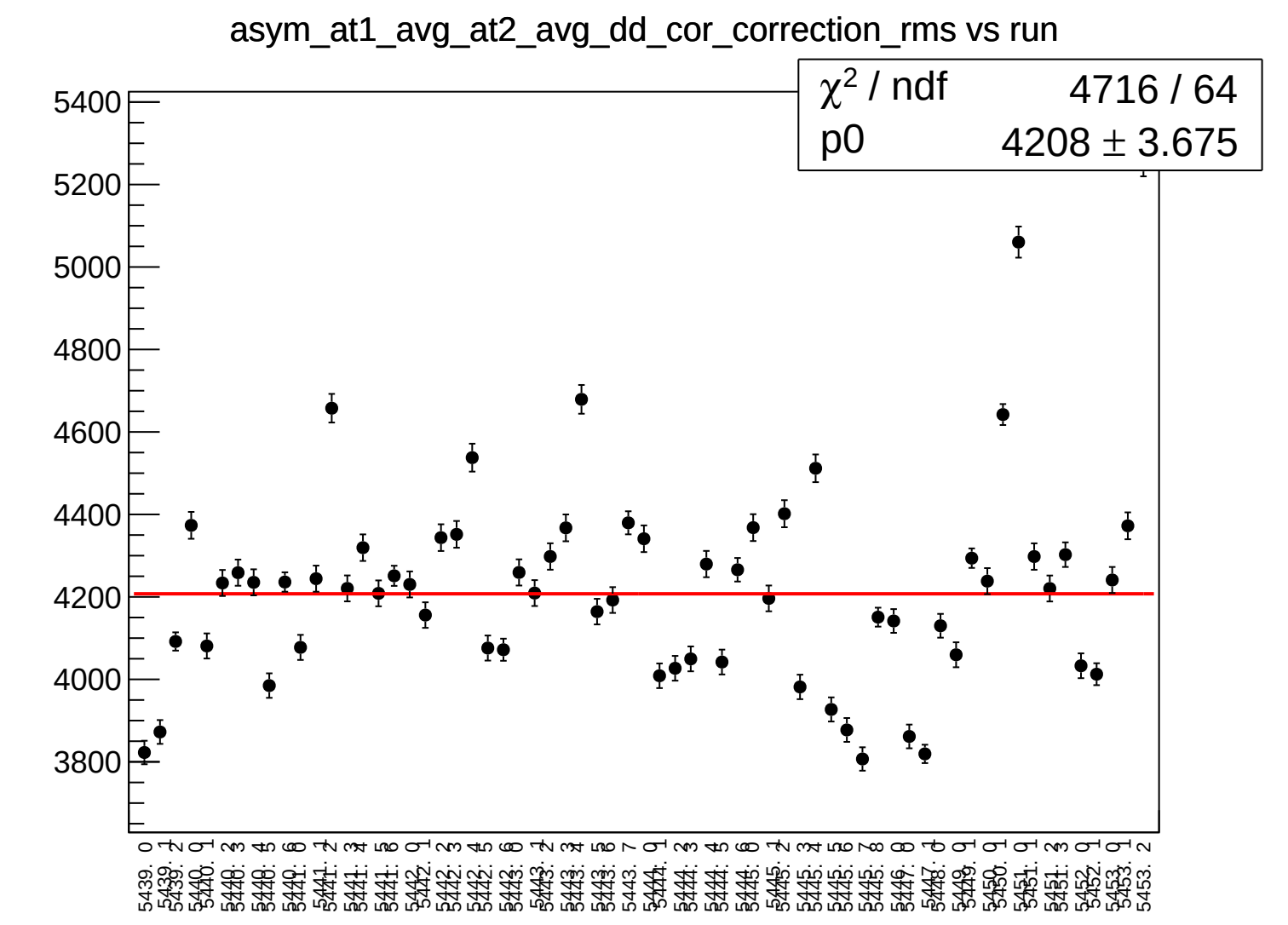

cor_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 68.93 / 64
p0 8330 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 41.05
Std Dev 44.04
3
2
1
0
−1
−2

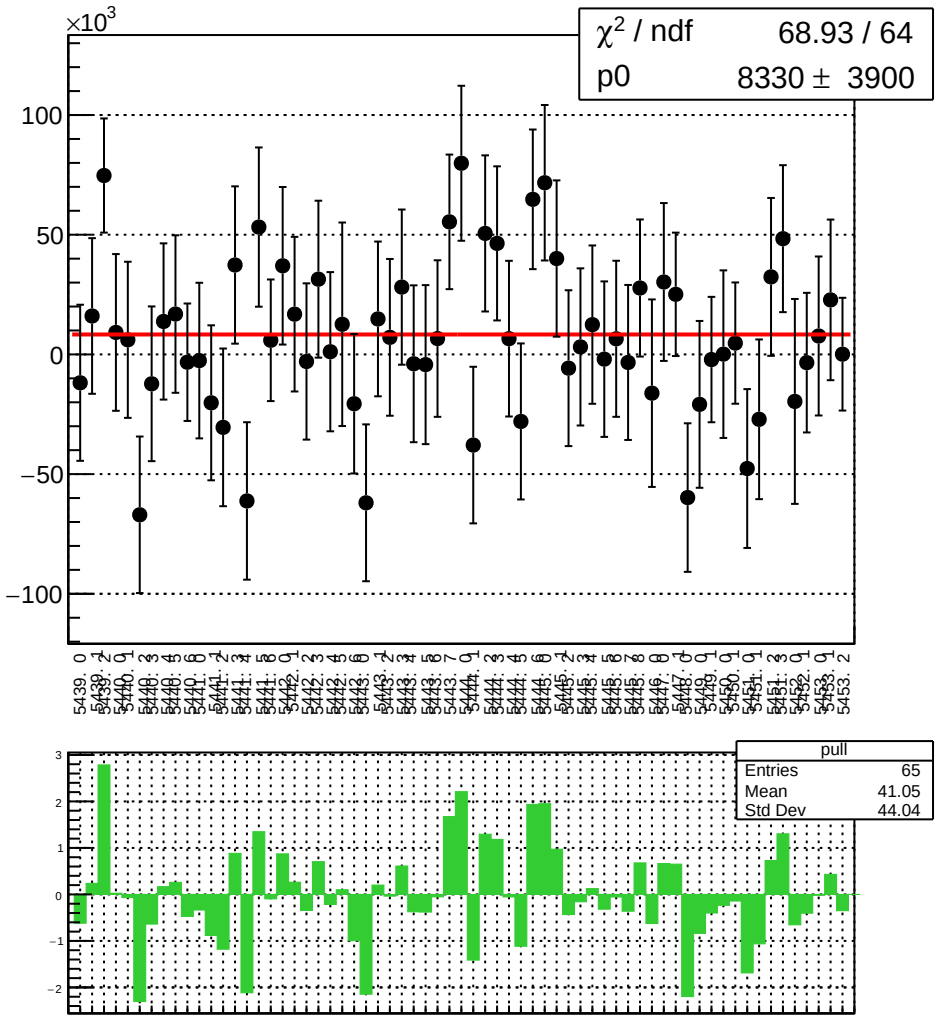

pull1D
Entries 65
Mean −0.02323
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

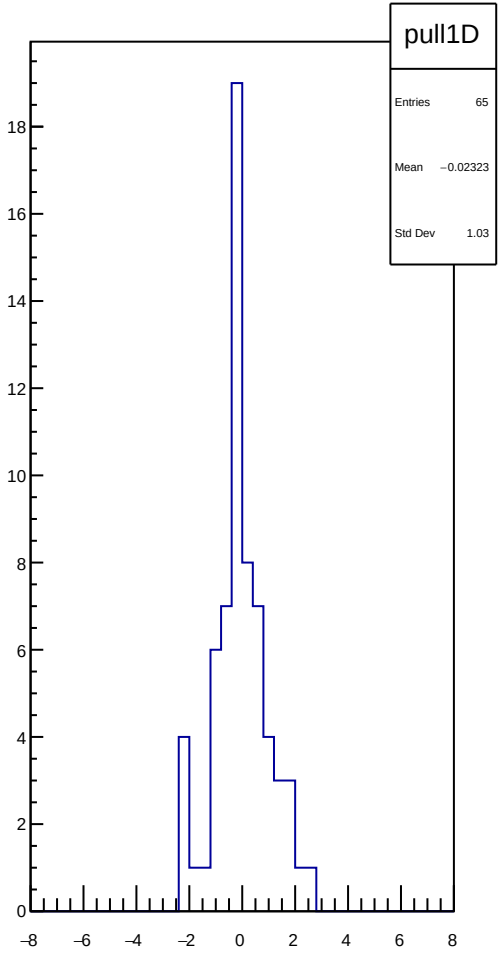

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 3845 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

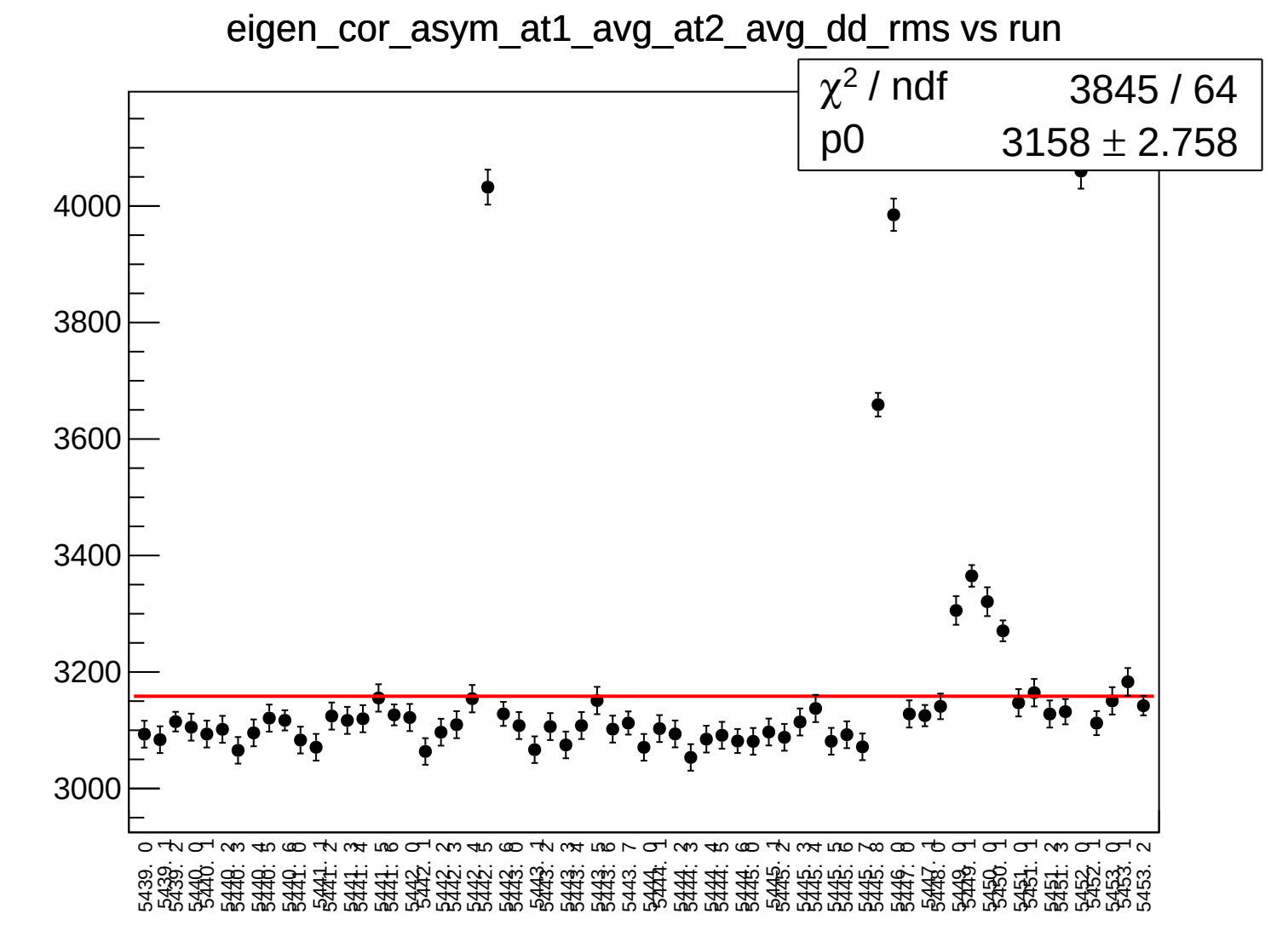

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
χ² / ndf 48.4 / 64
p0 1581 ± 5197
pull
Entries 65
Mean −0.4246
Std Dev 0

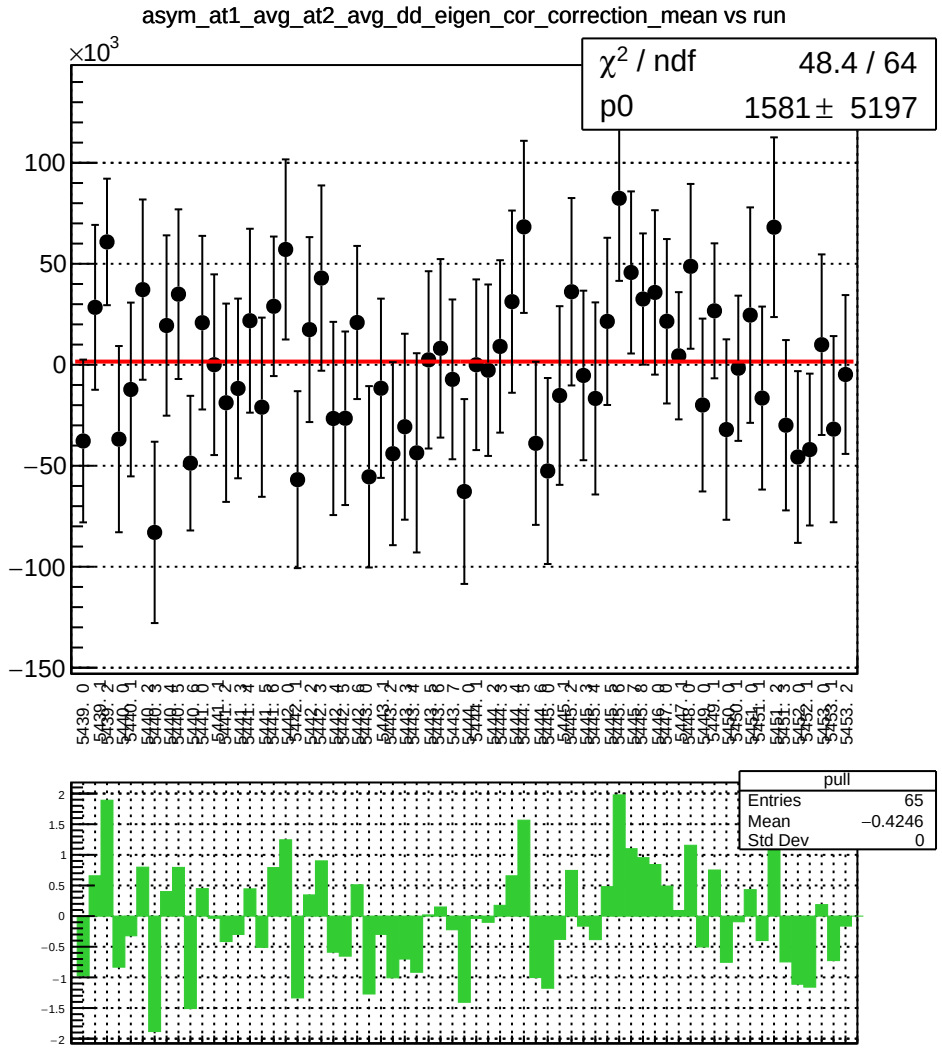

pull1D
Entries 65
Mean −0.02418
Std Dev 0.8626

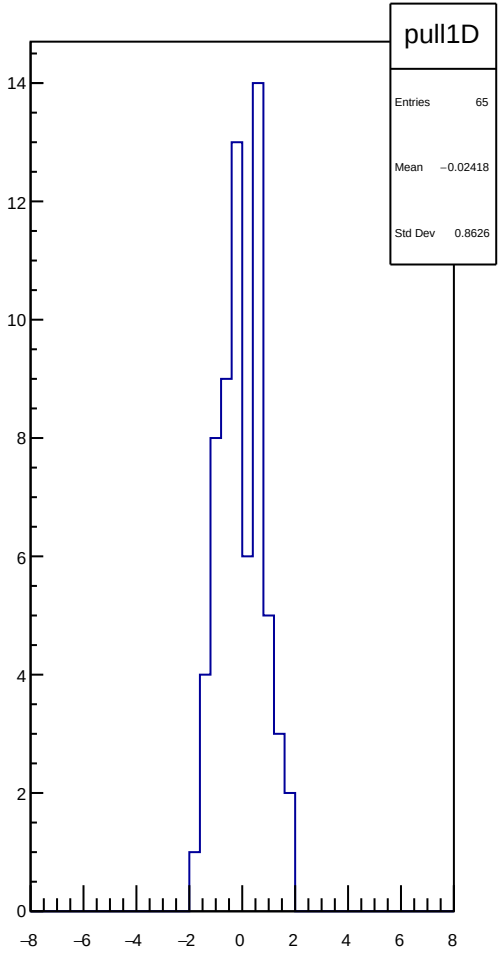

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 4716 / 64
p0 4208 ± 3.675
5400
5200
5000
4800
4600
4400
4200
4000
3800

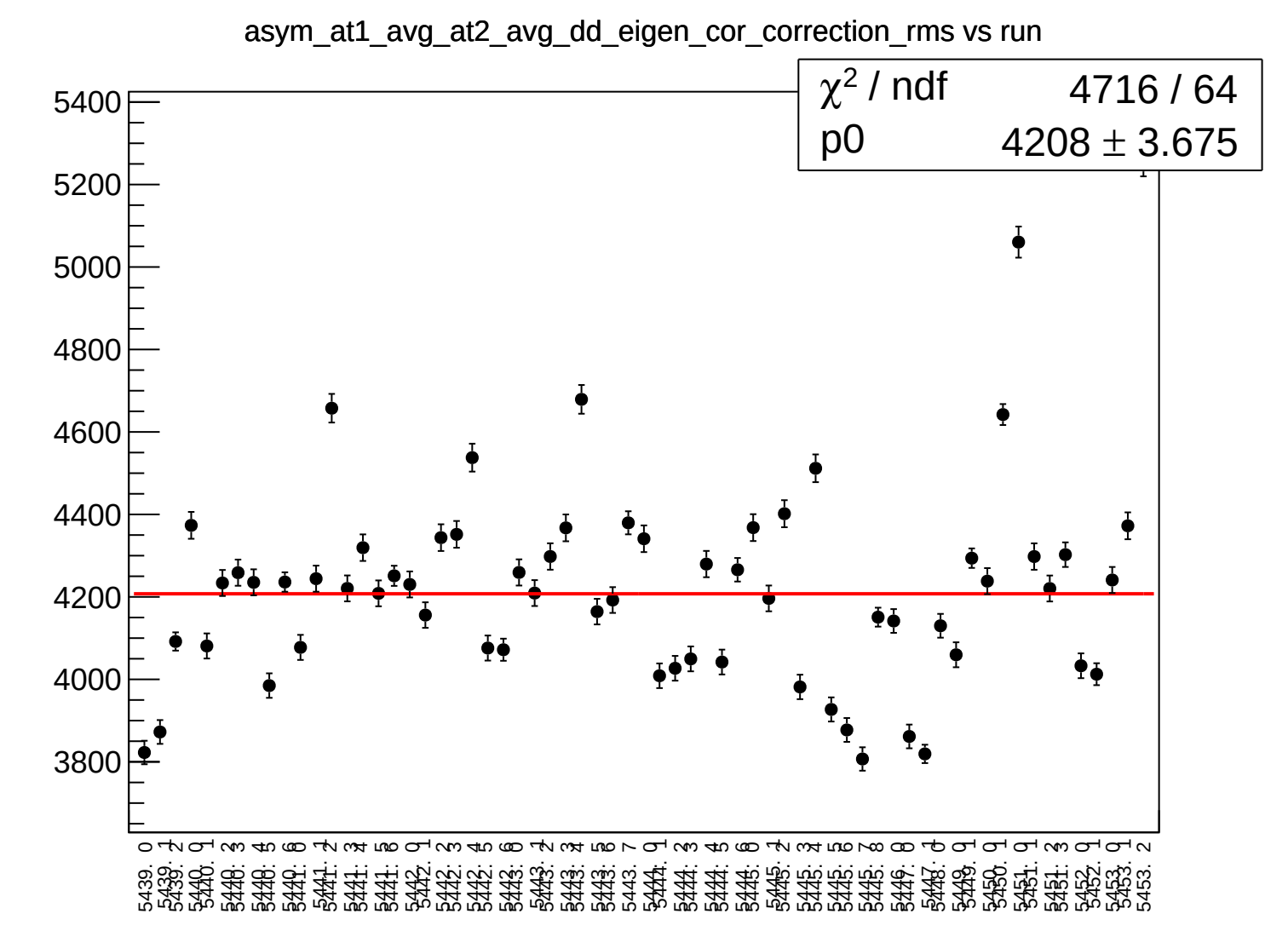

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ^2 / ndf 68.93 / 64
p0 8330 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 41.05
Std Dev 44.04
3
2
1
0
−1
−2

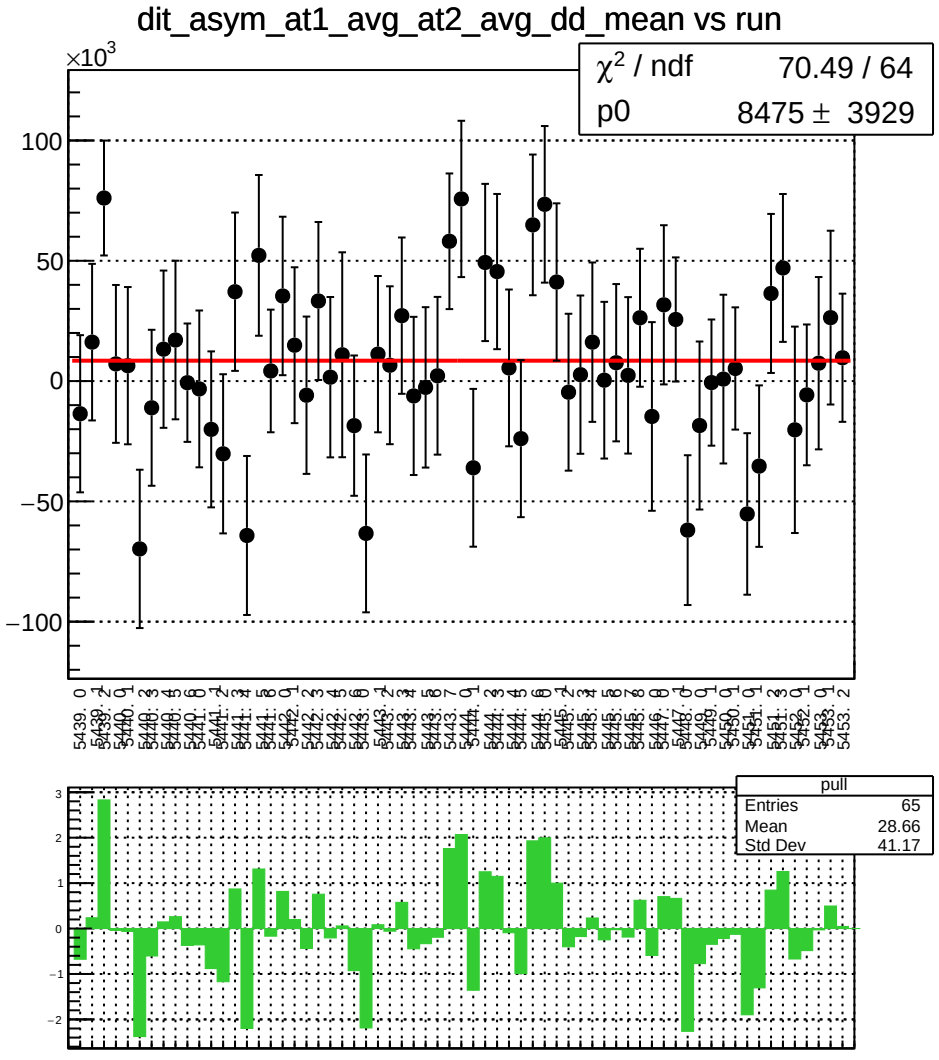

pull1D
Entries 65
Mean −0.02323
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

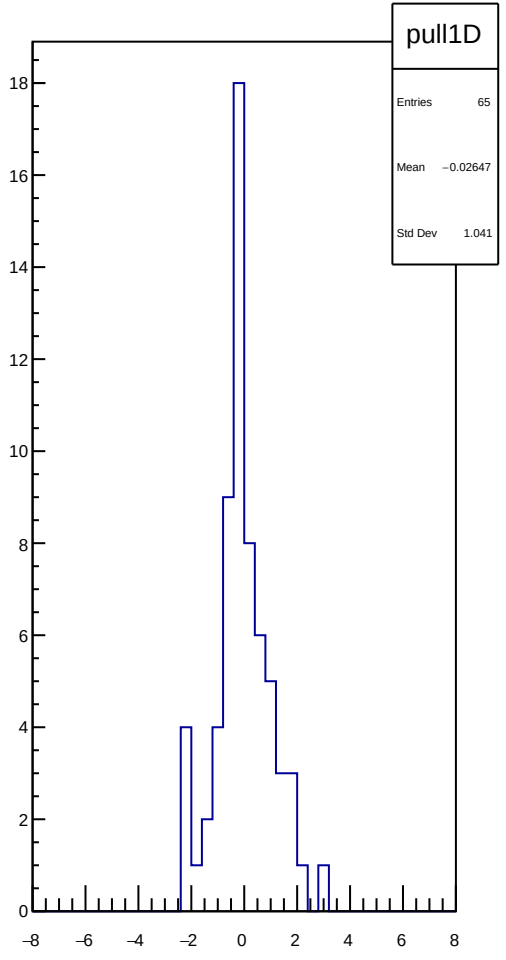

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 3845 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

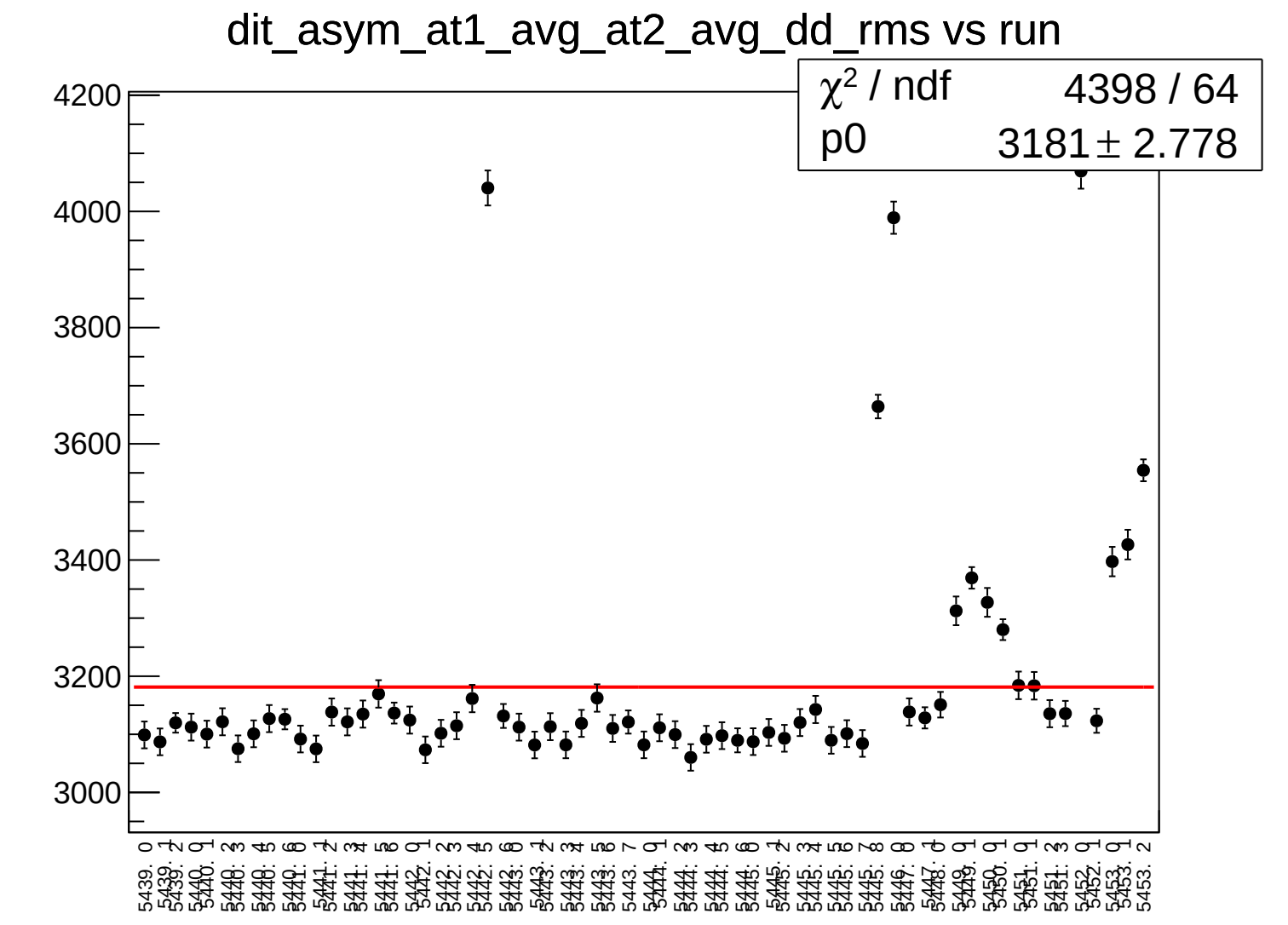

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.4 / 64
p0 1581 ± 5197
pull
Entries 65
Mean −0.4246
Std Dev 0

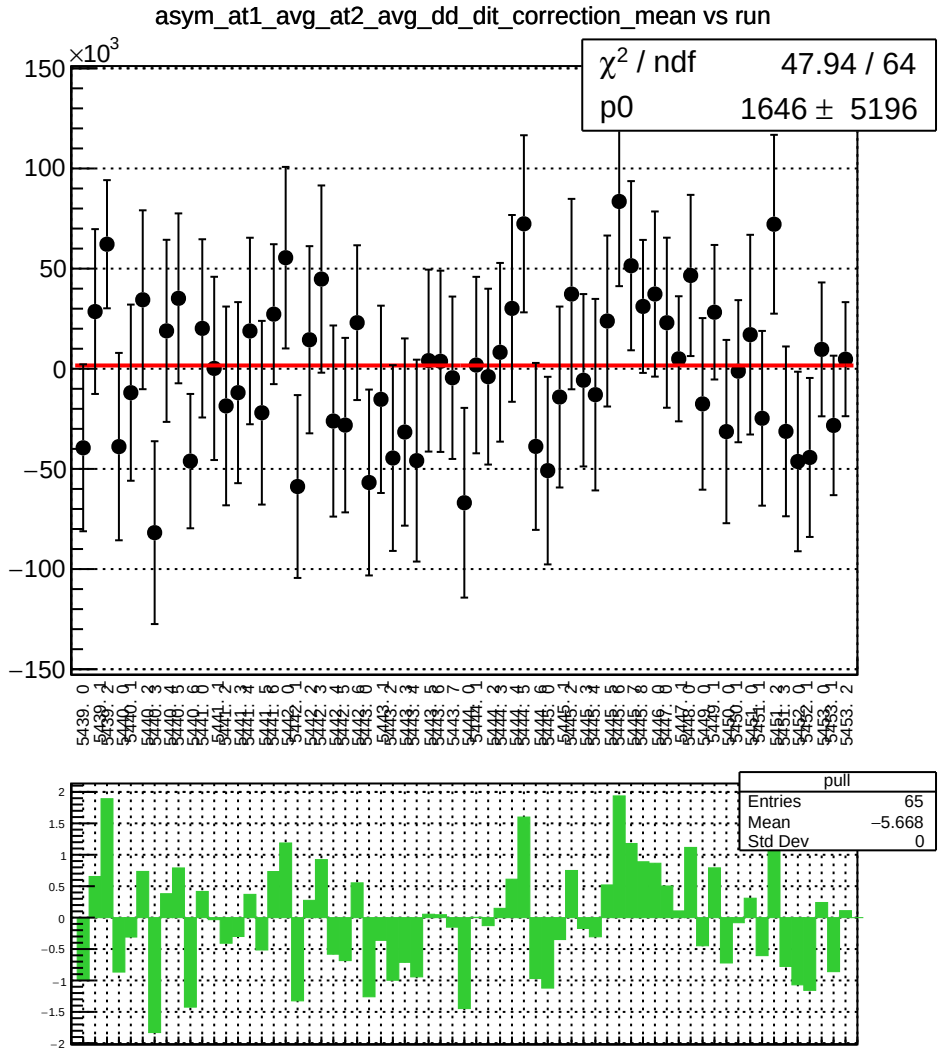

pull1D
Entries 65
Mean −0.02418
Std Dev 0.8626

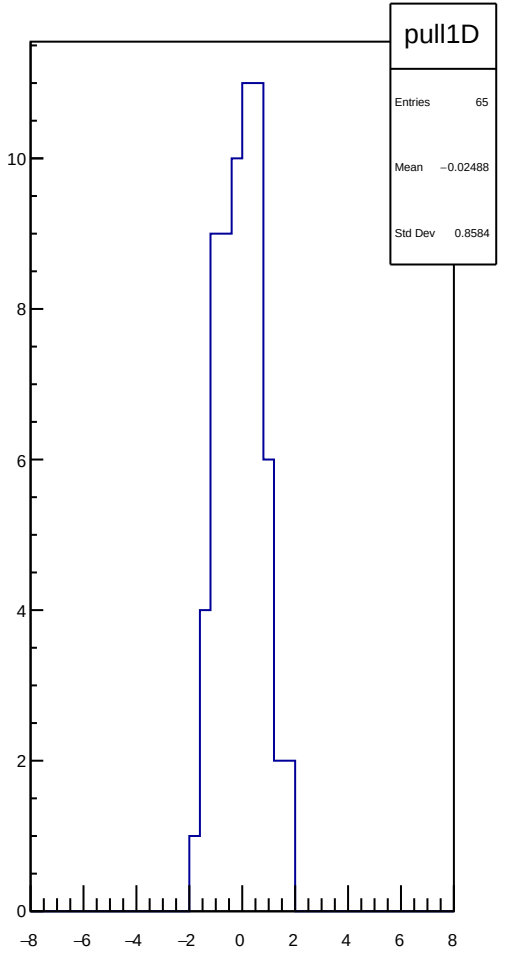

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4716 / 64
p0 4208 ± 3.675
5400
5200
5000
4800
4600
4400
4200
4000
3800

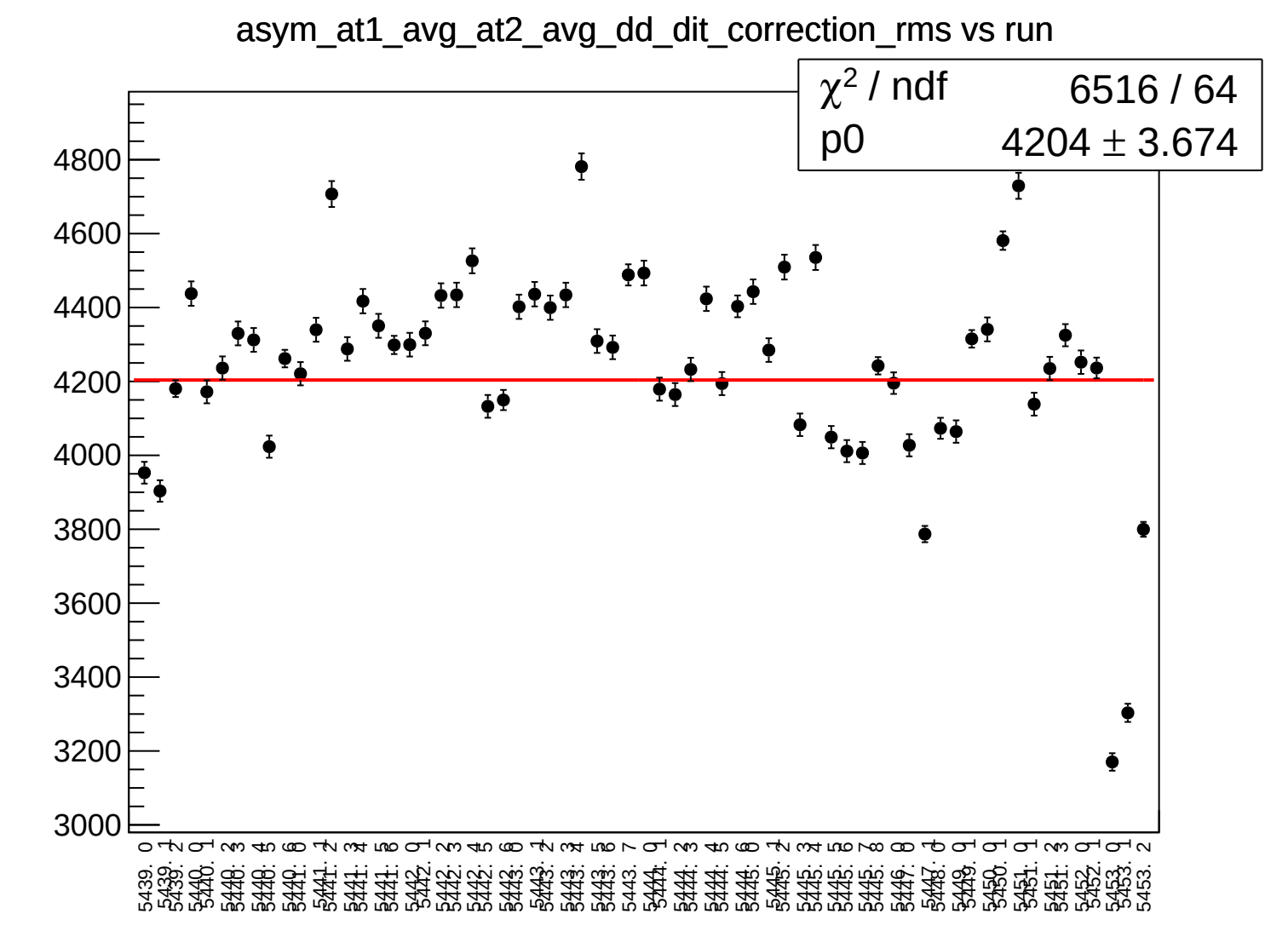

dit_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ^2 / ndf 70.49 / 64
p0 8475 ± 3929
100
50
0
−50
−100
pull
Entries 65
Mean 28.66
Std Dev 41.17
3
2
1
0
−1
−2

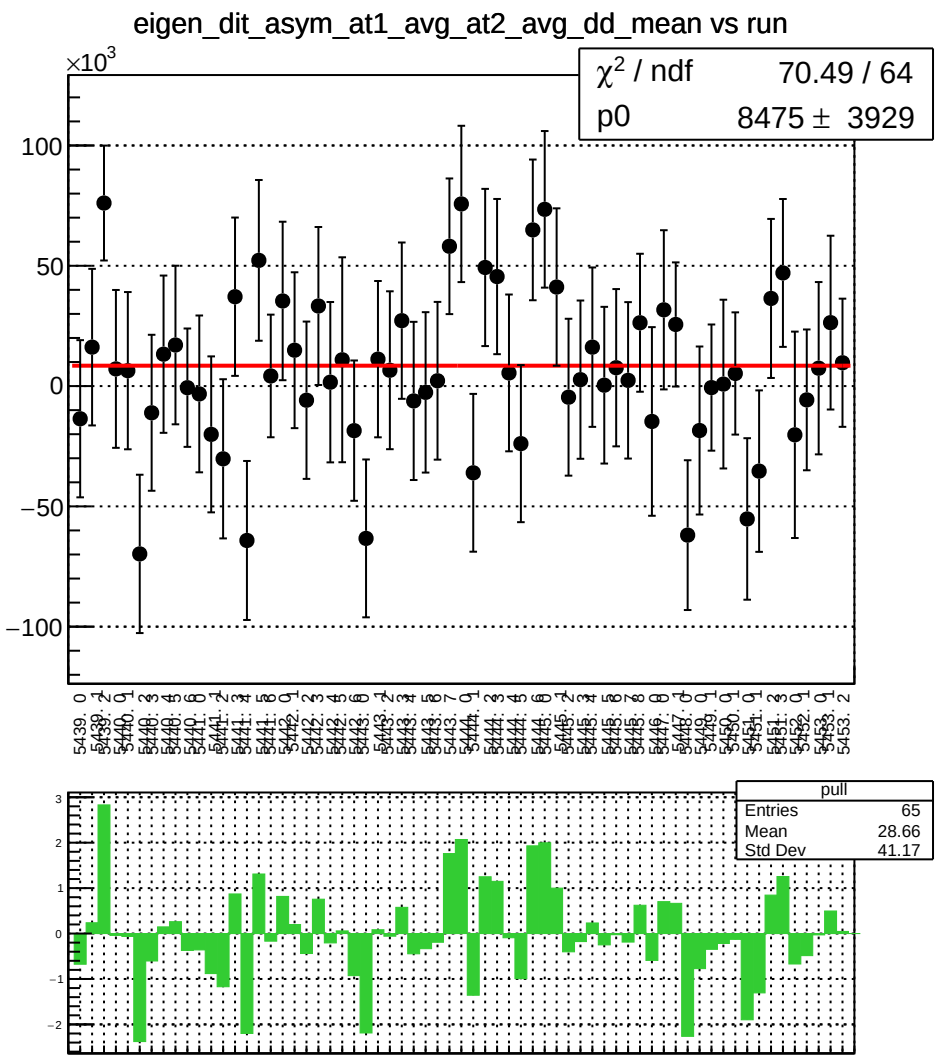

pull1D
Entries 65
Mean −0.02647
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

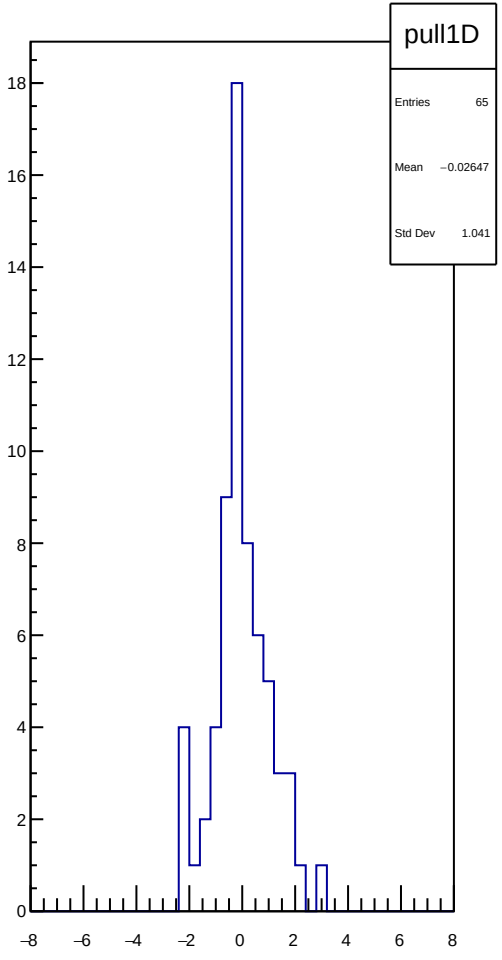

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 4398 / 64
p0 3181 ± 2.778
4200
4000
3800
3600
3400
3200
3000

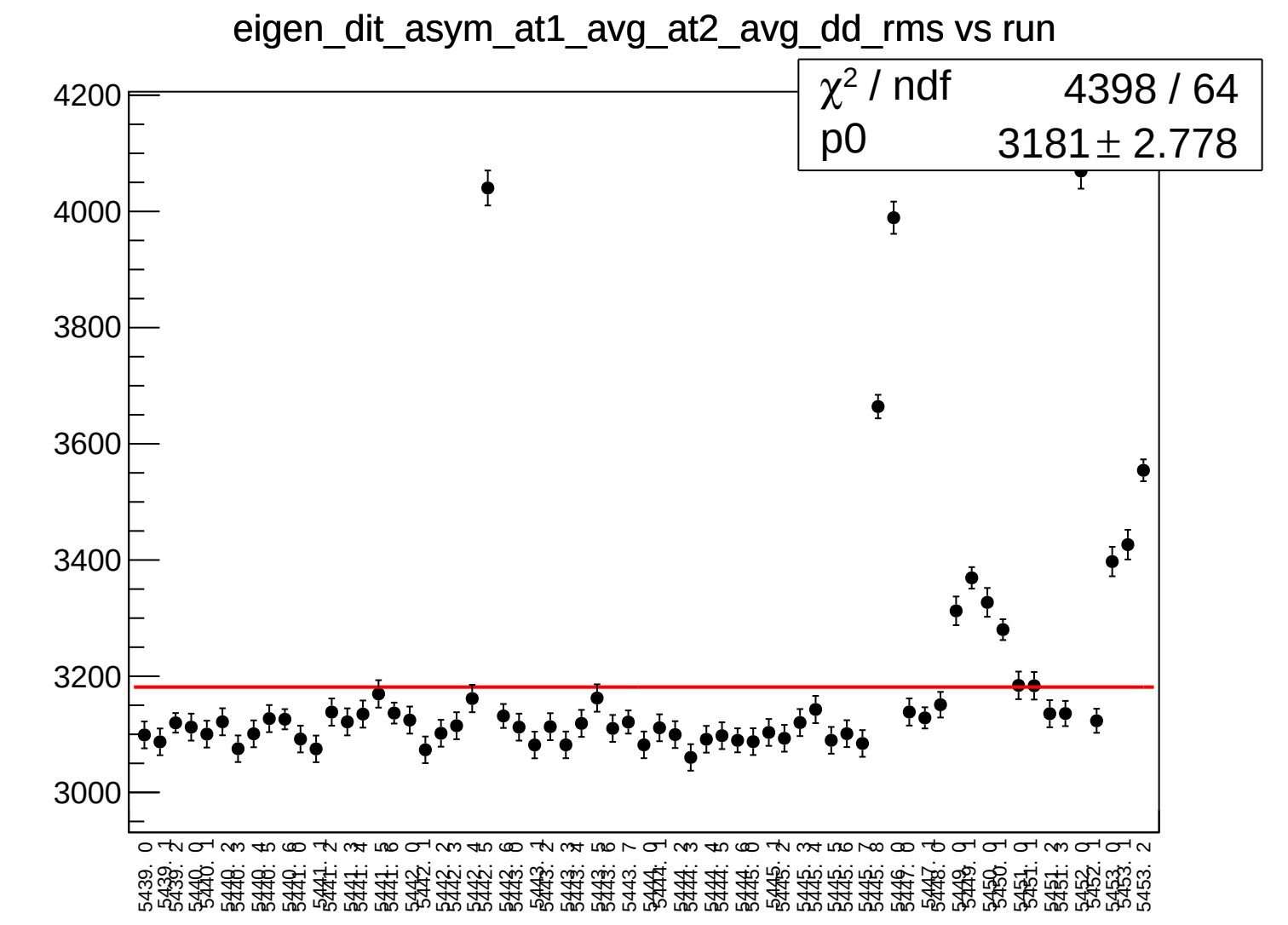

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 47.94 / 64
p0 1646 ± 5196
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −5.668
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

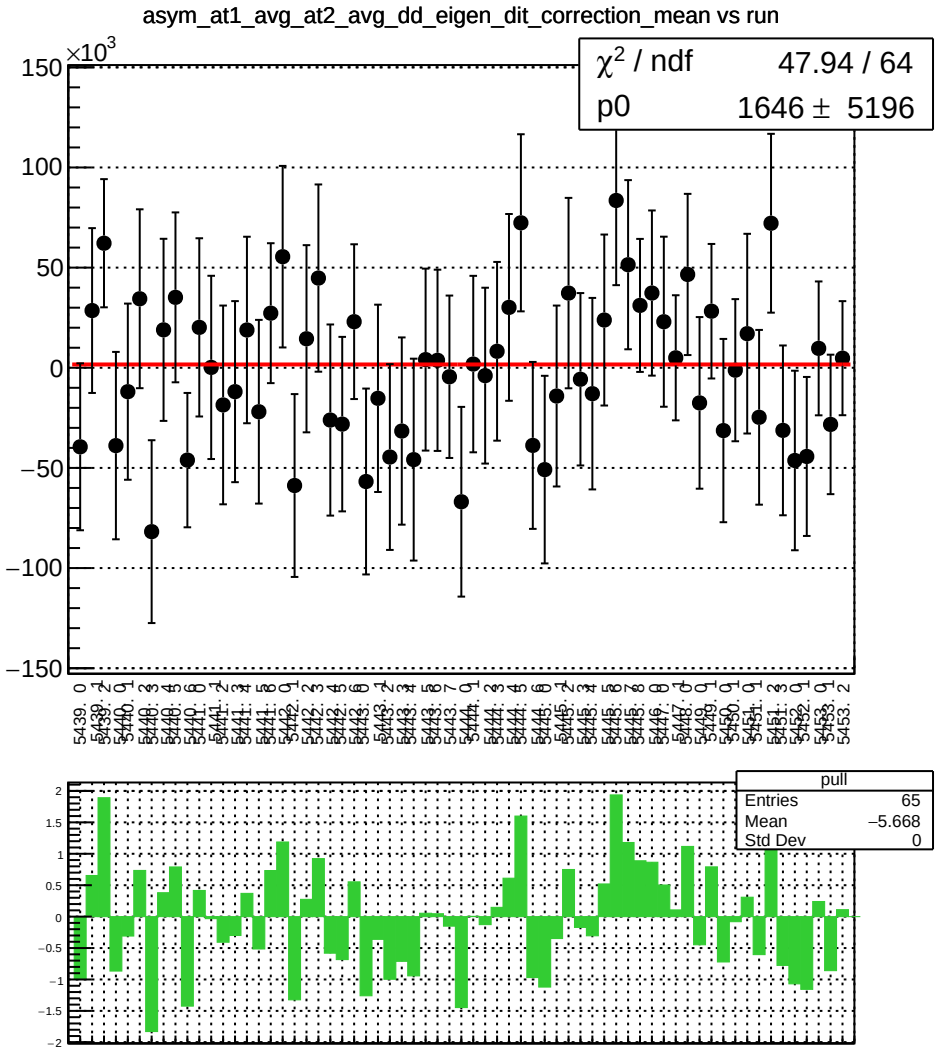

pull1D
Entries 65
Mean −0.02488
Std Dev 0.8584
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

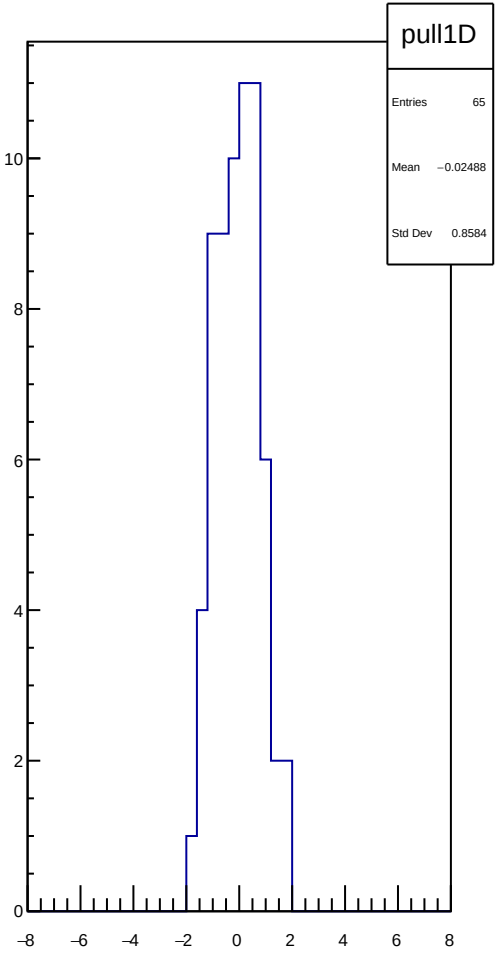

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 6516 / 64
p0 4204 ± 3.674
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

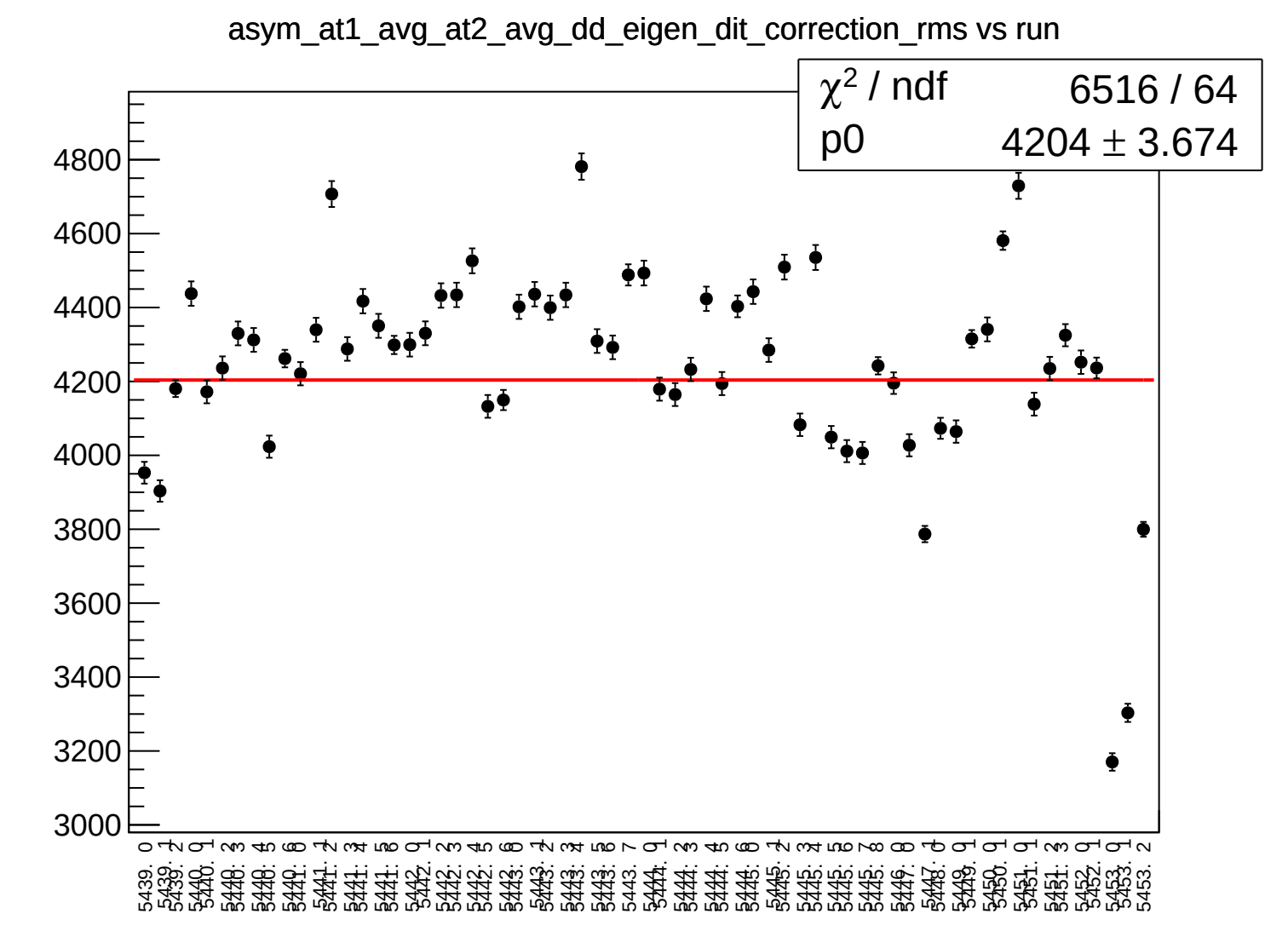

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 70.49 / 64
p0 8475 ± 3929
100
50
0
−50
−100
pull
Entries 65
Mean 28.66
Std Dev 41.17
3
2
1
0
−1
−2

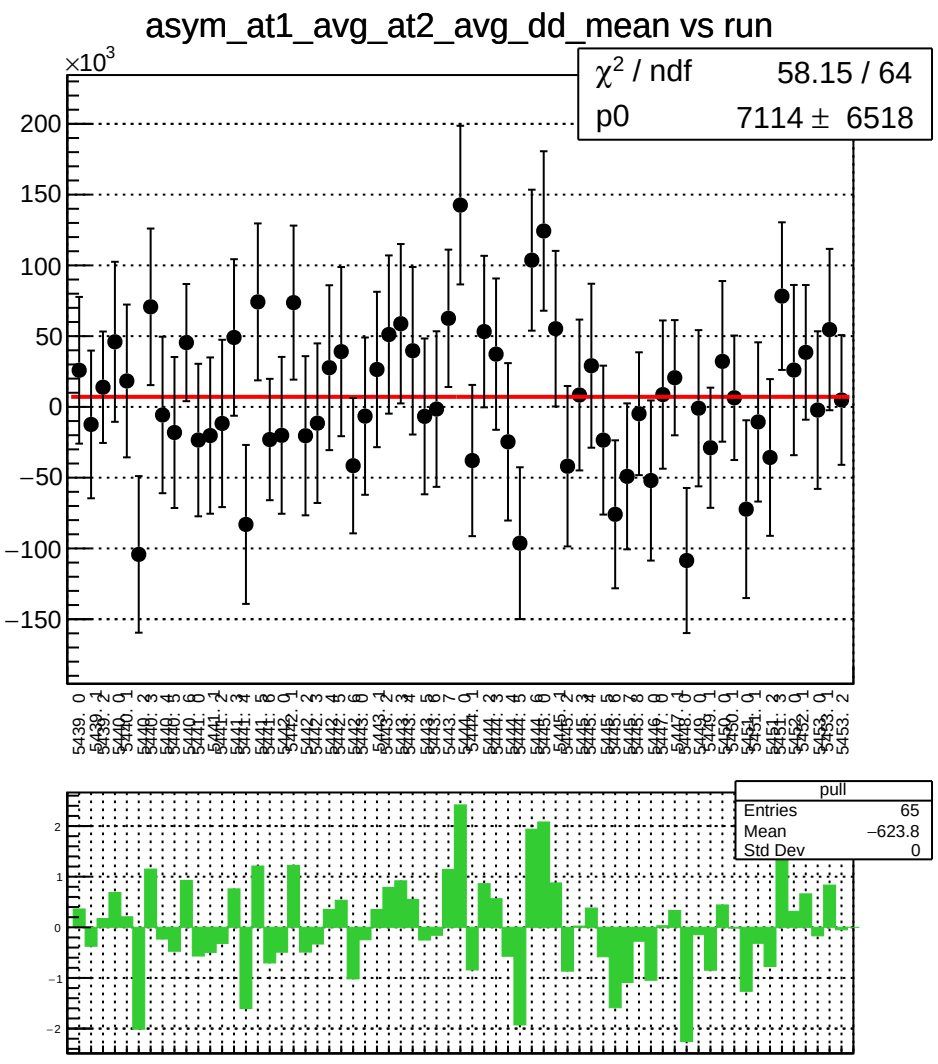

pull1D
Entries 65
Mean −0.02647
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

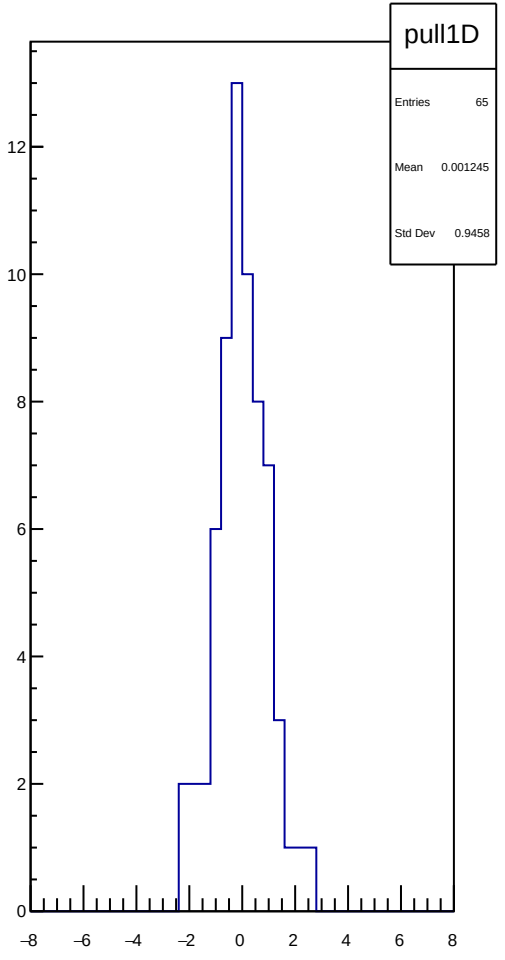

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 4398 / 64
p0 3181 ± 2.778
4200
4000
3800
3600
3400
3200
3000

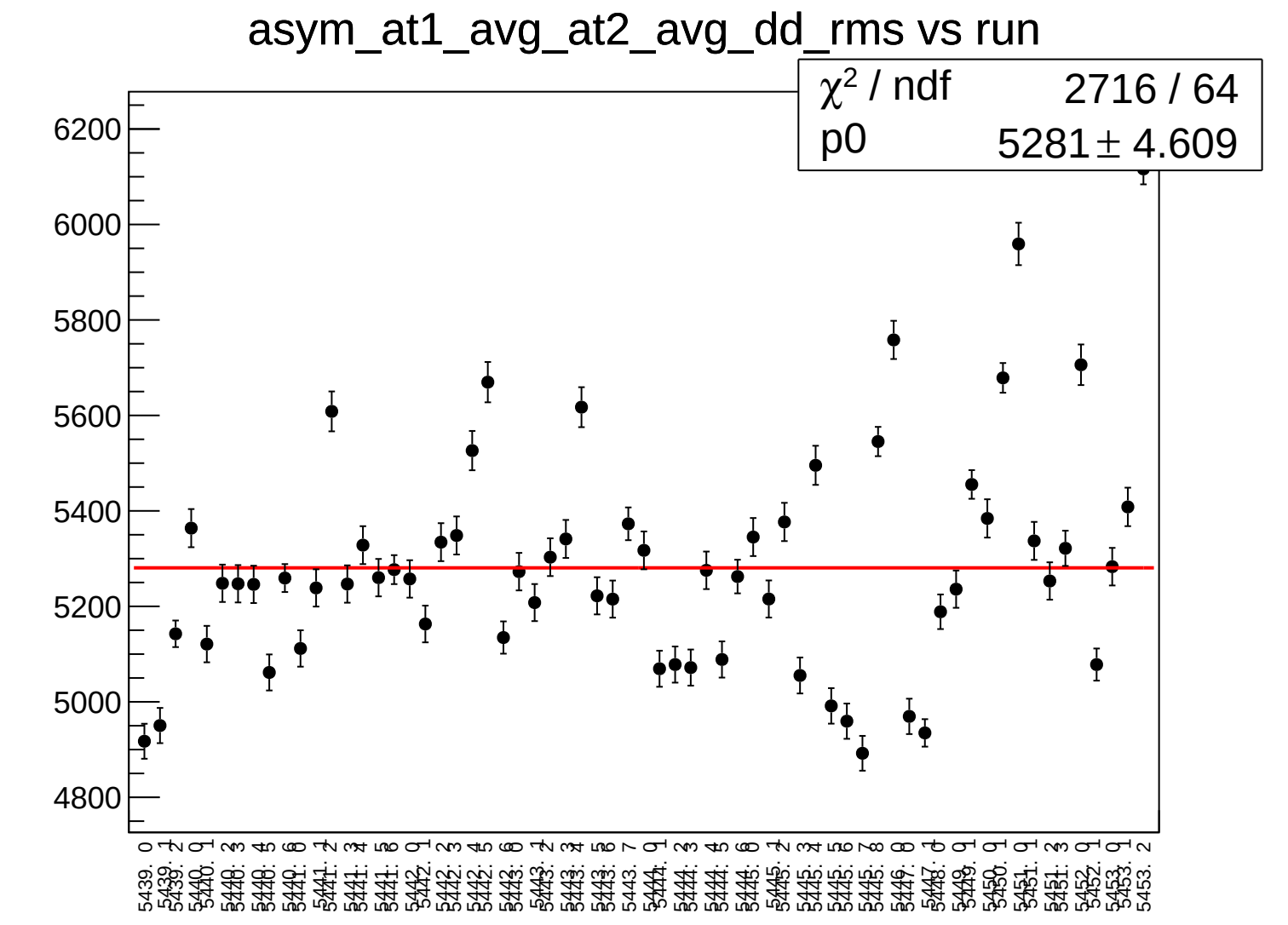

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.94 / 64
p0 1646 ± 5196
pull
Entries 65
Mean −5.668
Std Dev 0

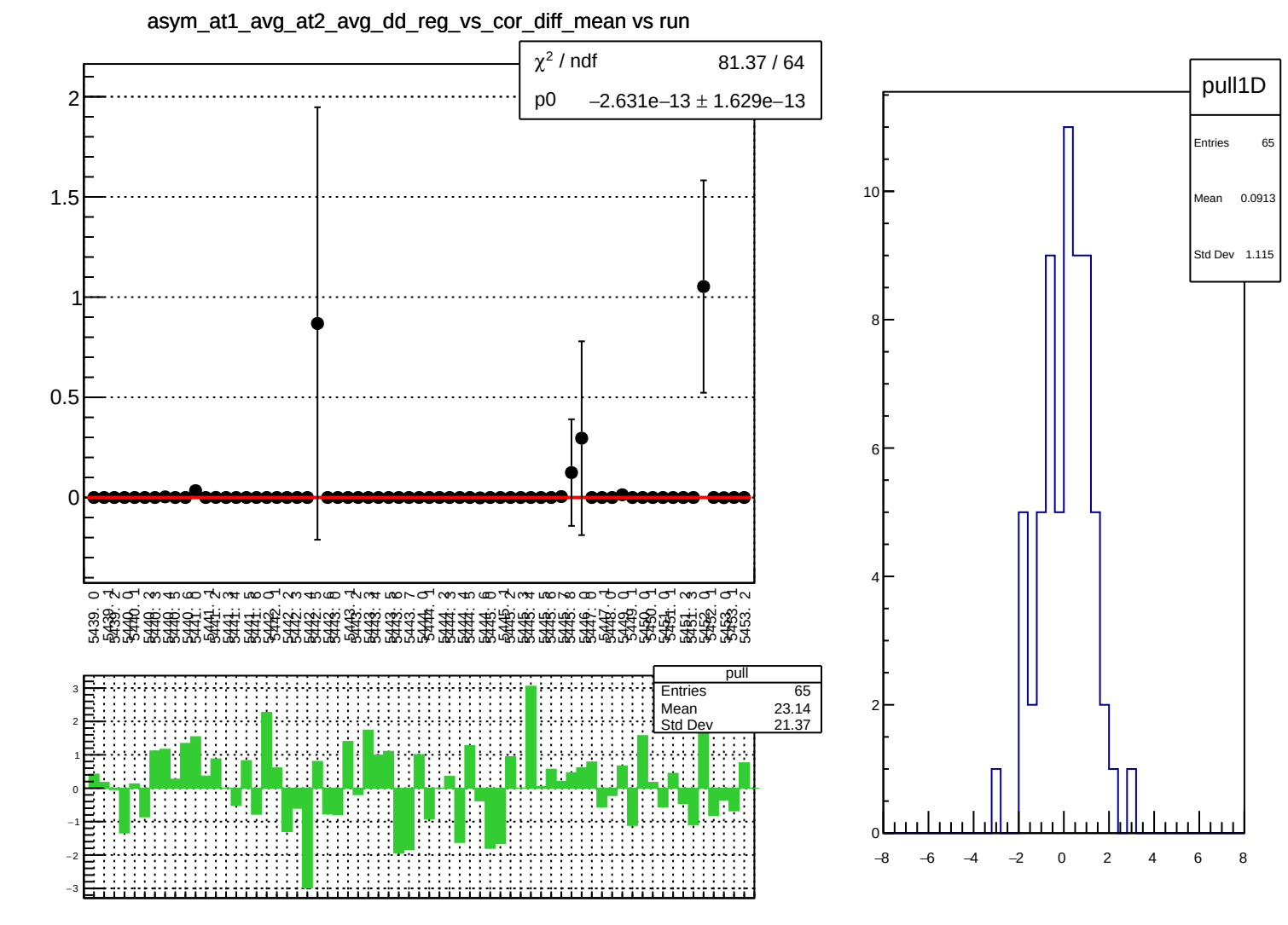

pull1D
Entries 65
Mean −0.02488
Std Dev 0.8584

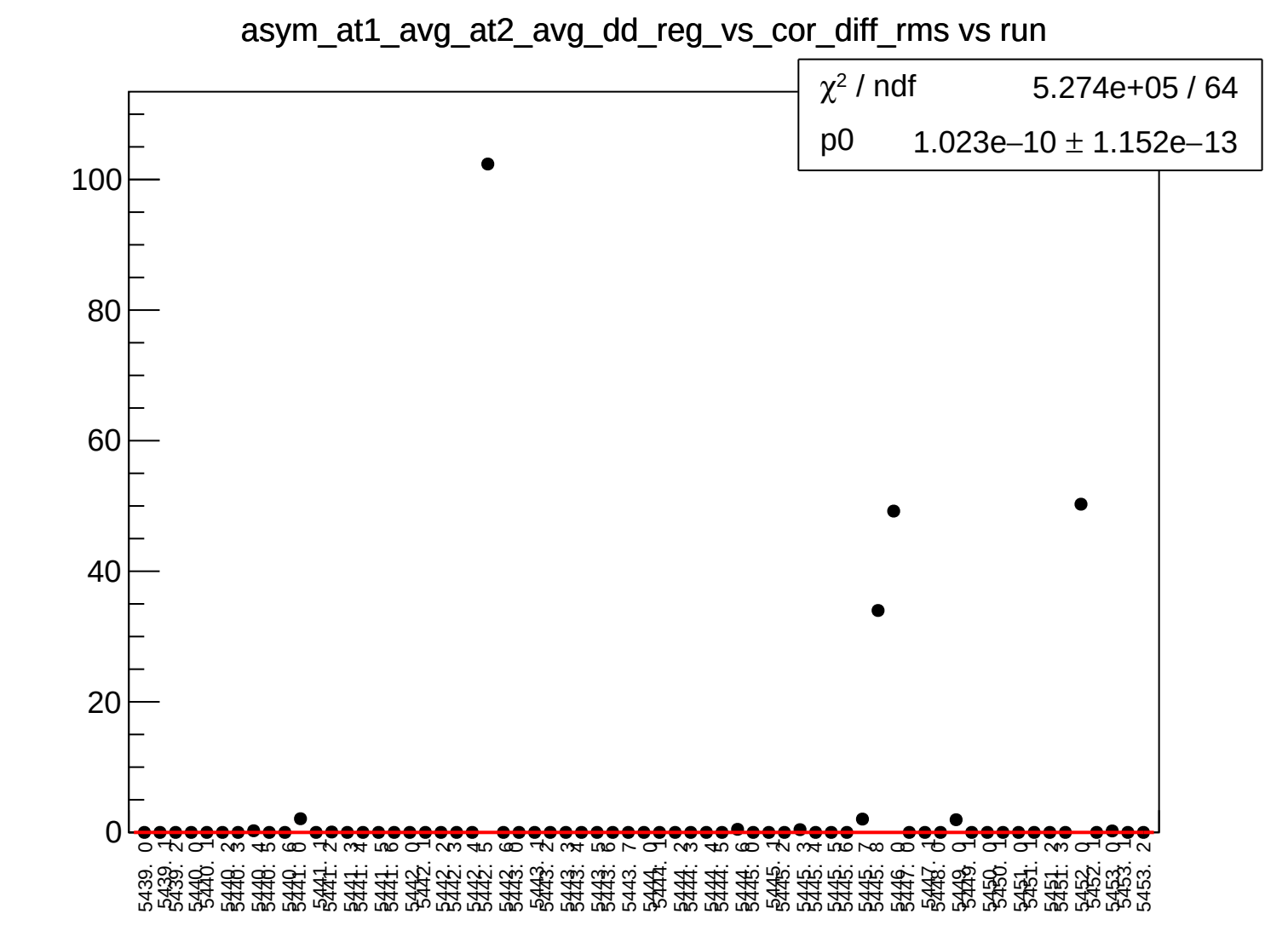

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6516 / 64
p0 4204 ± 3.674
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000

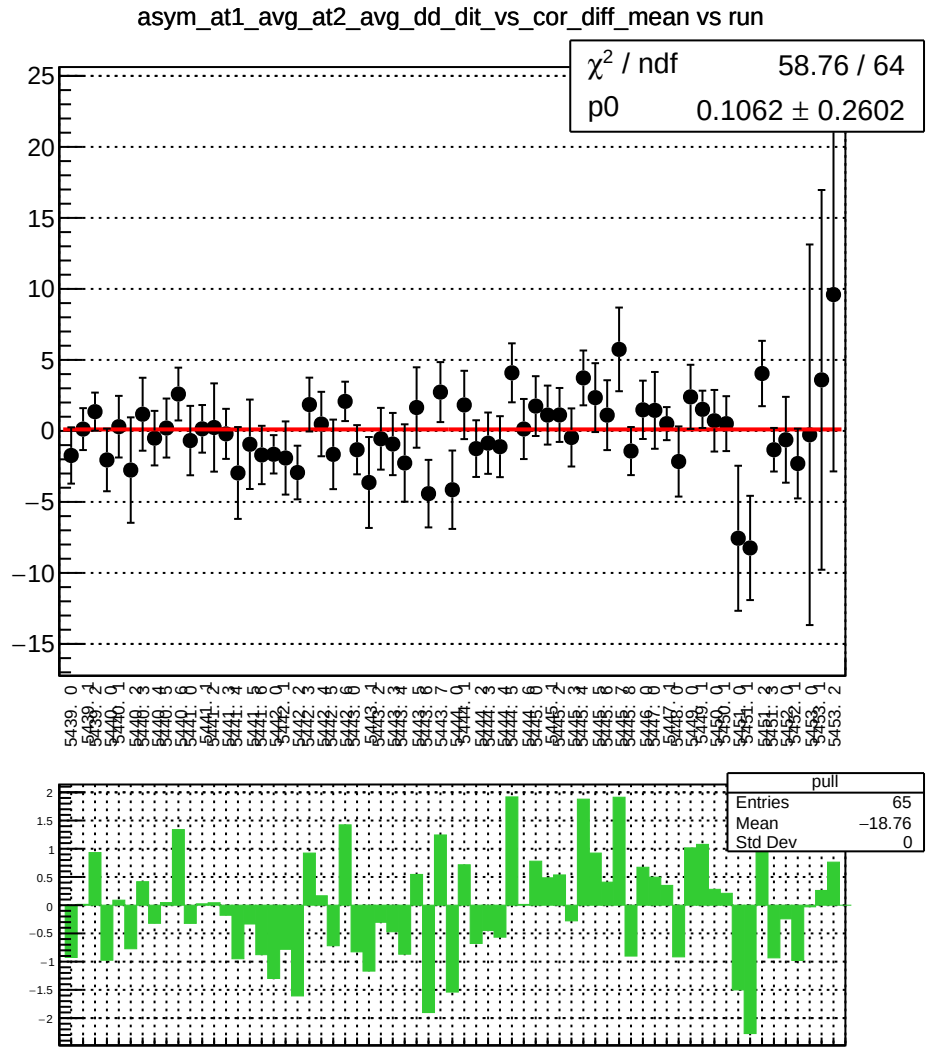

asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 58.15 / 64
p0 7114 ± 6518
pull
Entries 65
Mean −623.8
Std Dev 0

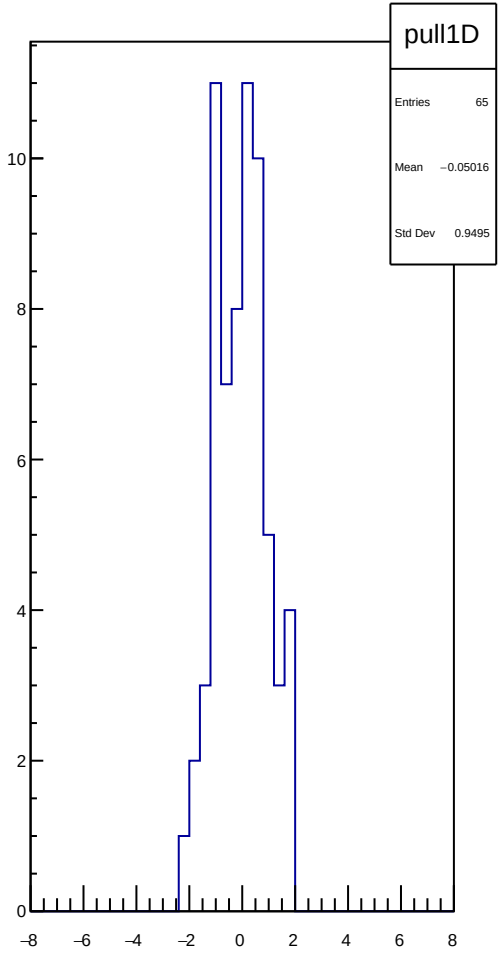

pull1D
Entries 65
Mean 0.001245
Std Dev 0.9458

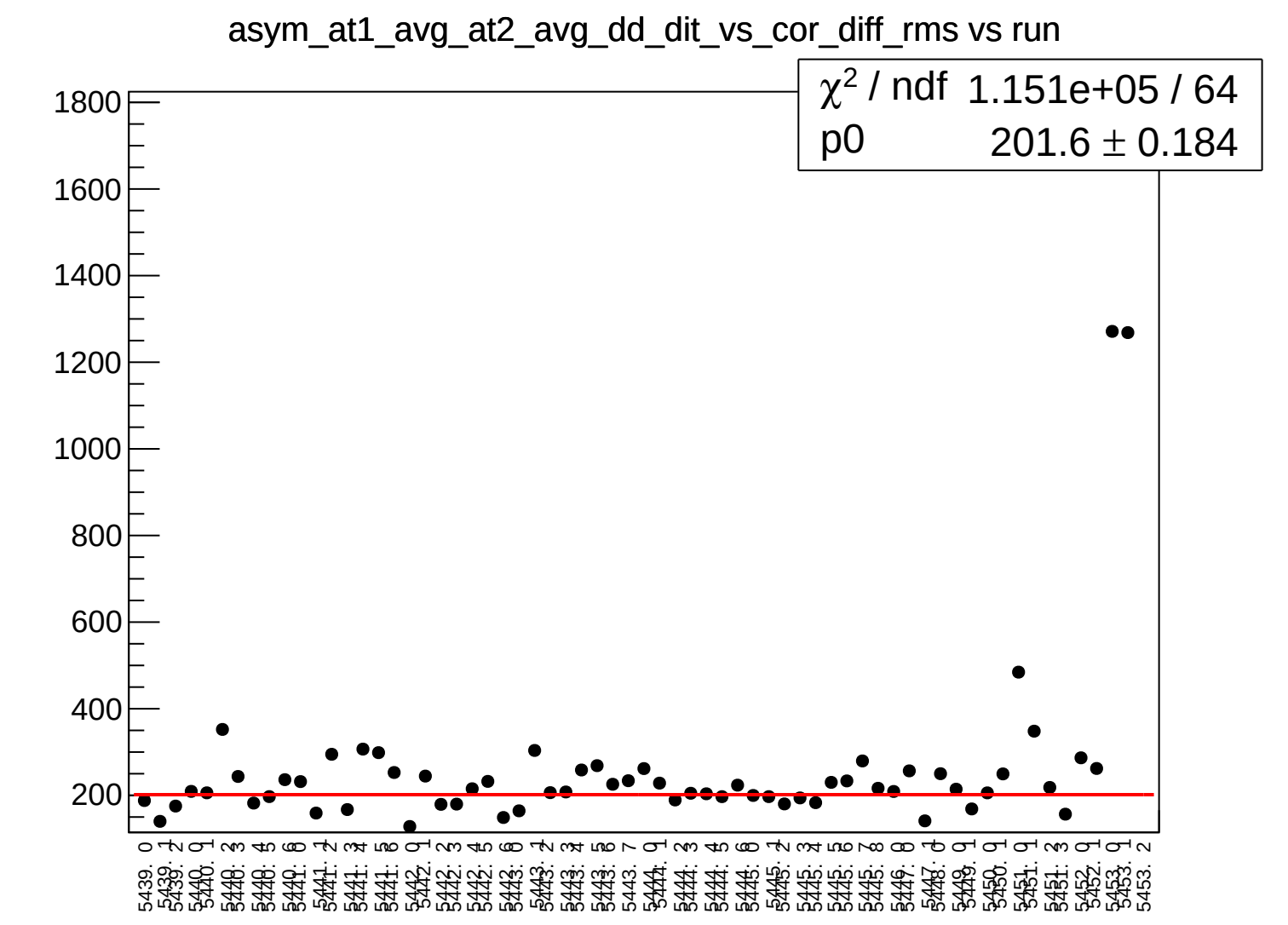

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2716 / 64
p0 5281 ± 4.609
6200
6000
5800
5600
5400
5200
5000
4800

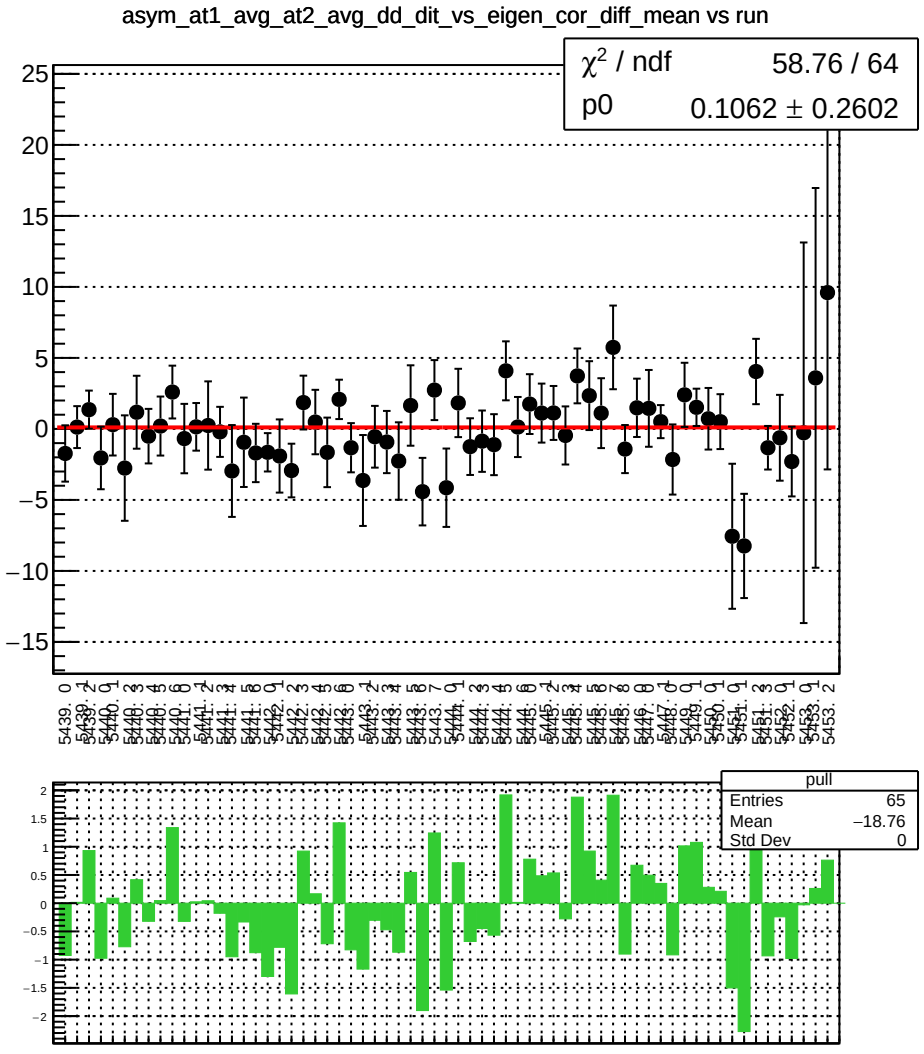

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.37 / 64
p0 −2.631e−13 ± 1.629e−13
pull
Entries 65
Mean 23.14
Std Dev 21.37
pull1D
Entries 65
Mean 0.0913
Std Dev 1.115

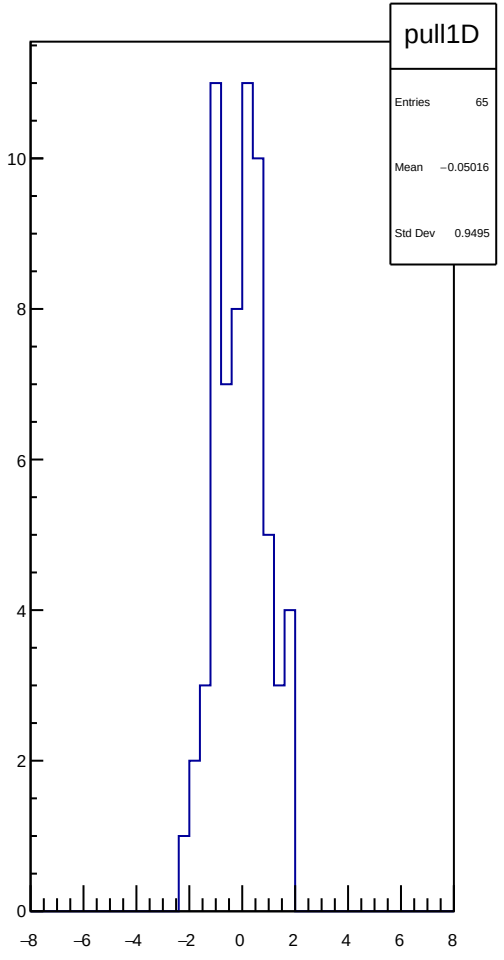

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.274e+05 / 64
p0 1.023e−10 ± 1.152e−13
100
80
60
40
20
0

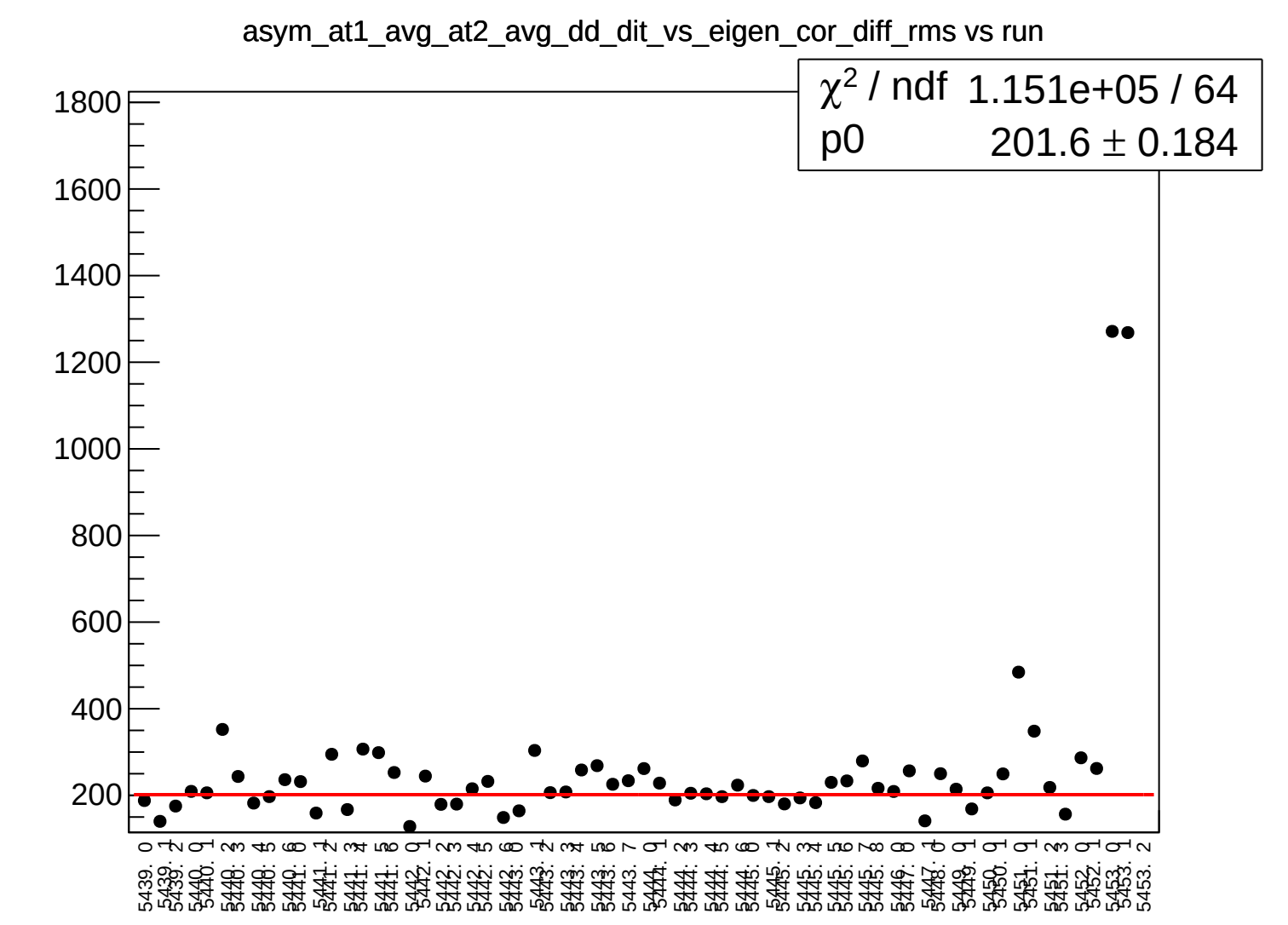

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.76
Std Dev 0

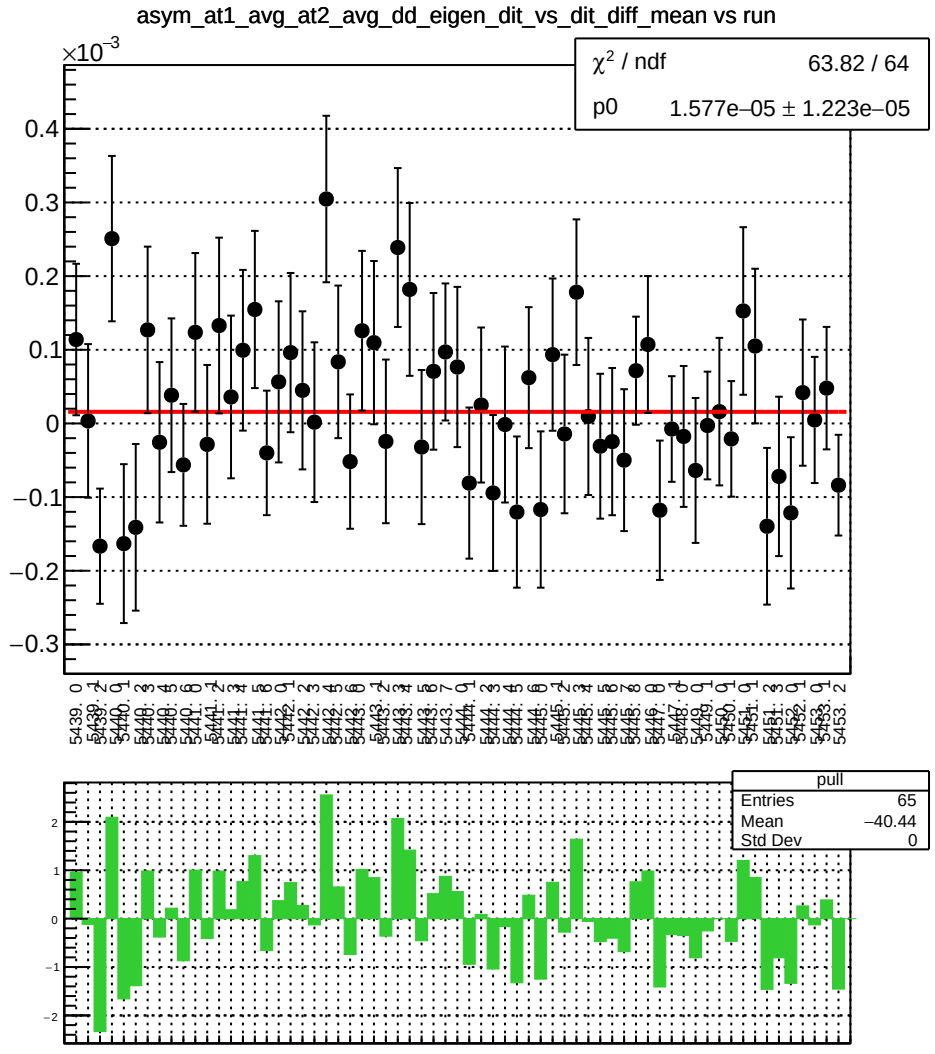

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

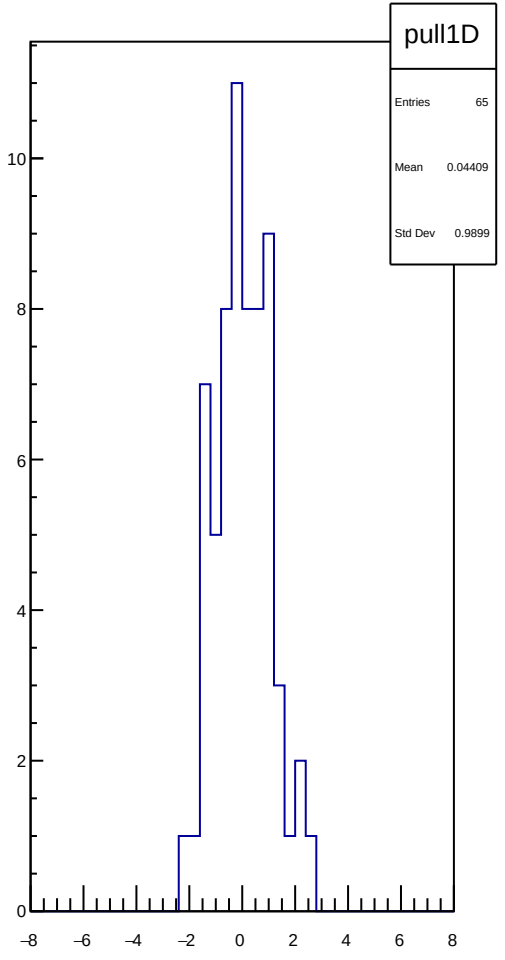

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

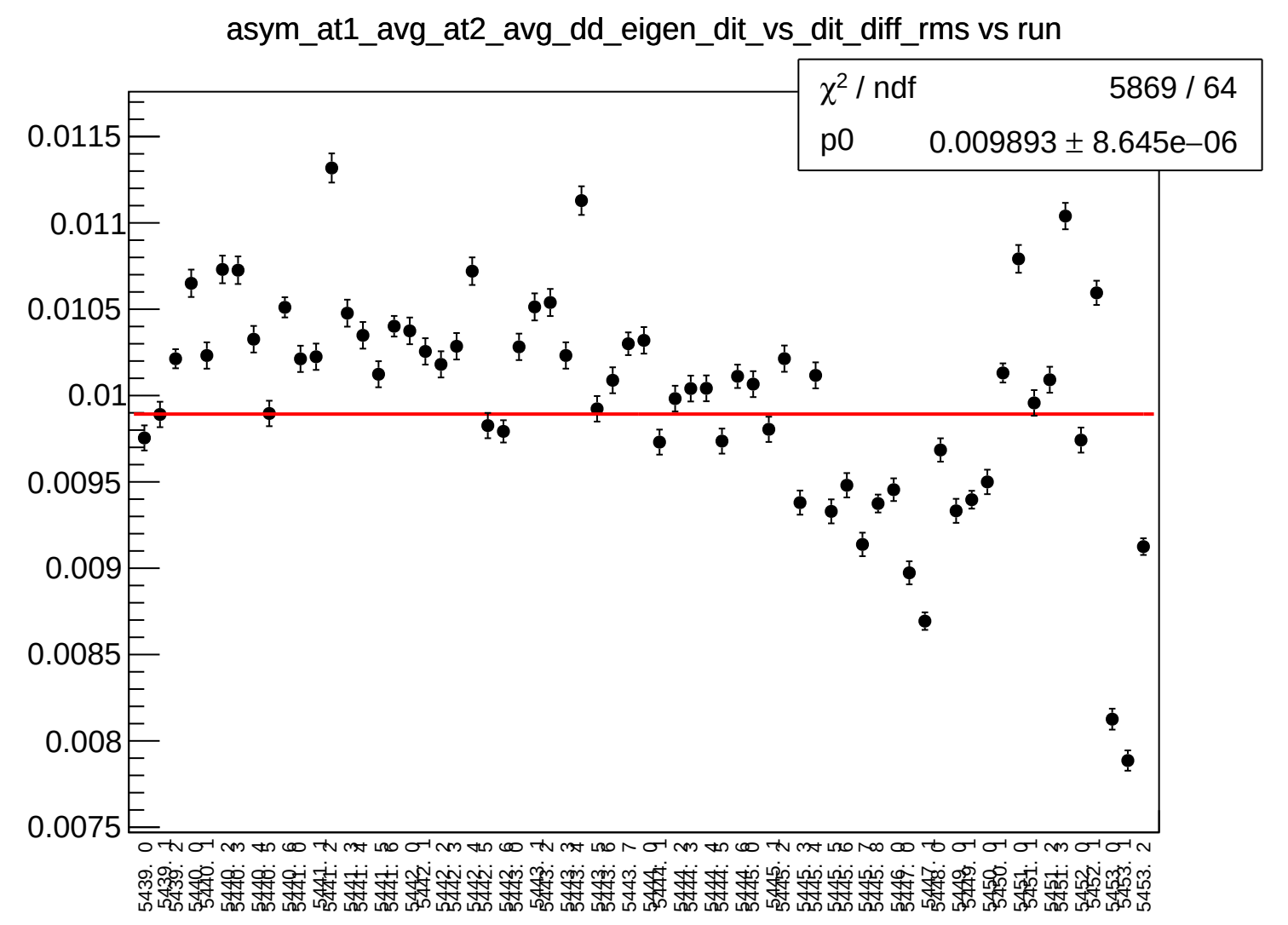

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.76
Std Dev 0

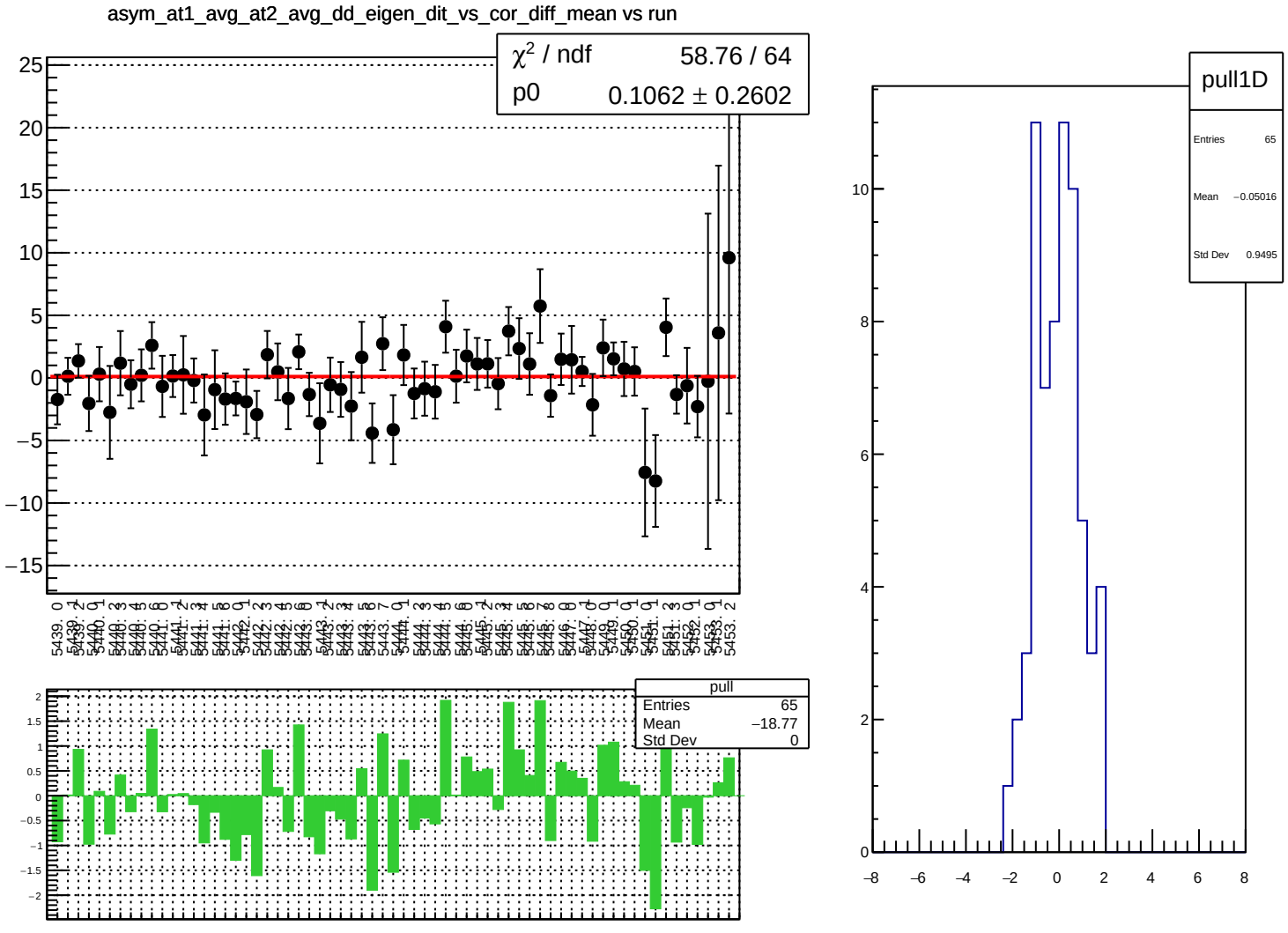

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

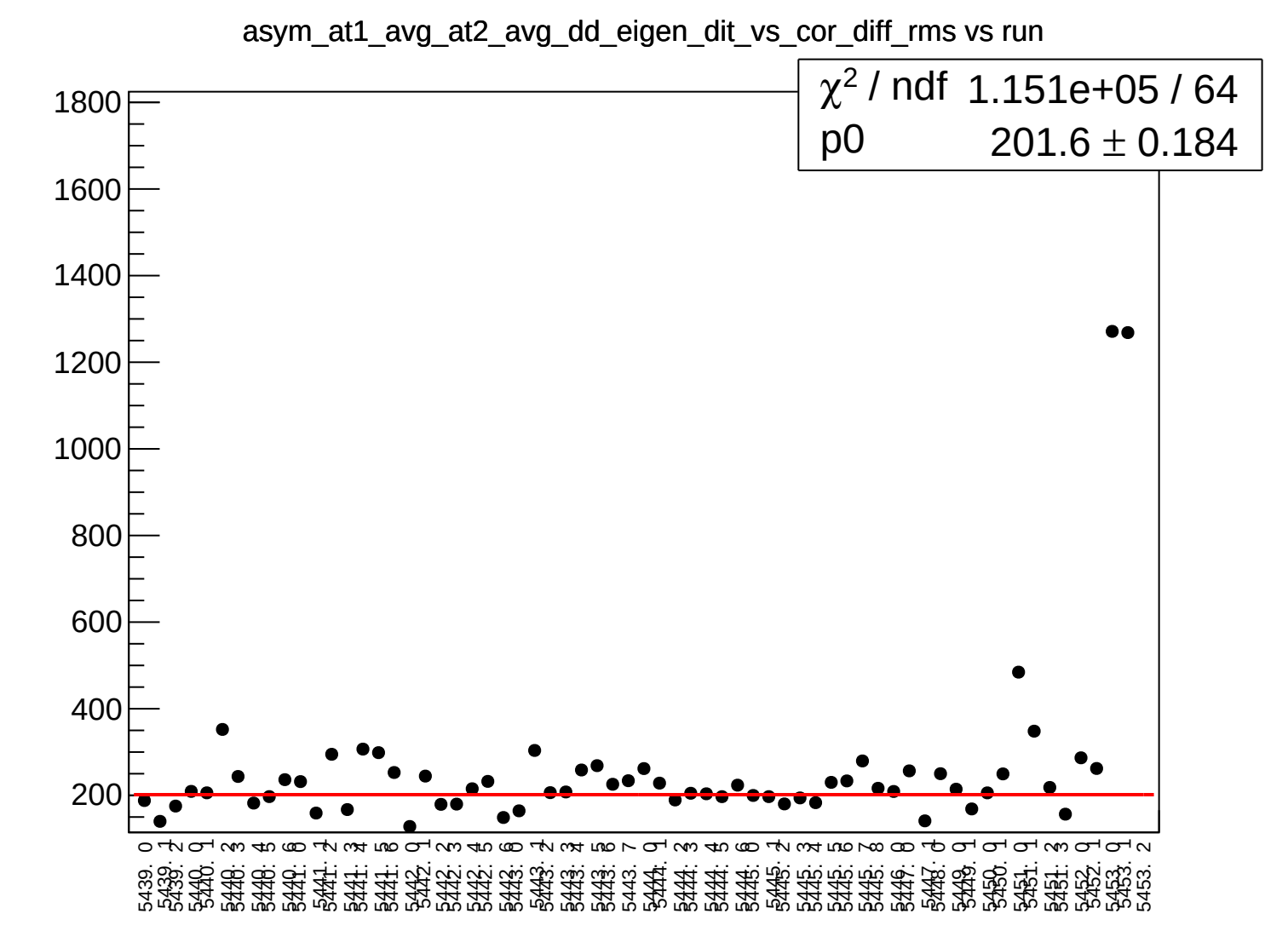

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

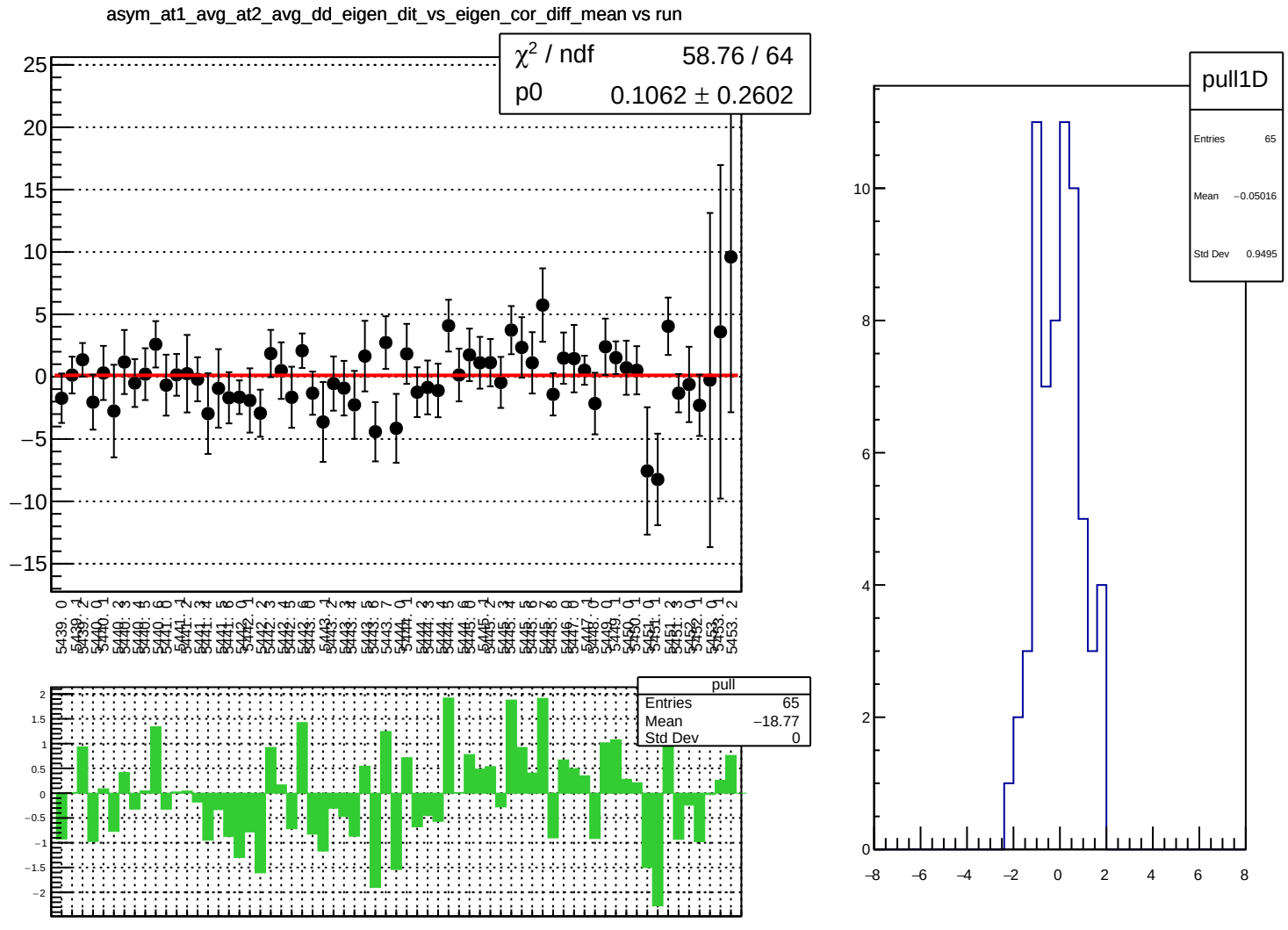

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.82 / 64
p0 1.577e−05 ± 1.223e−05
pull
Entries 65
Mean −40.44
Std Dev 0

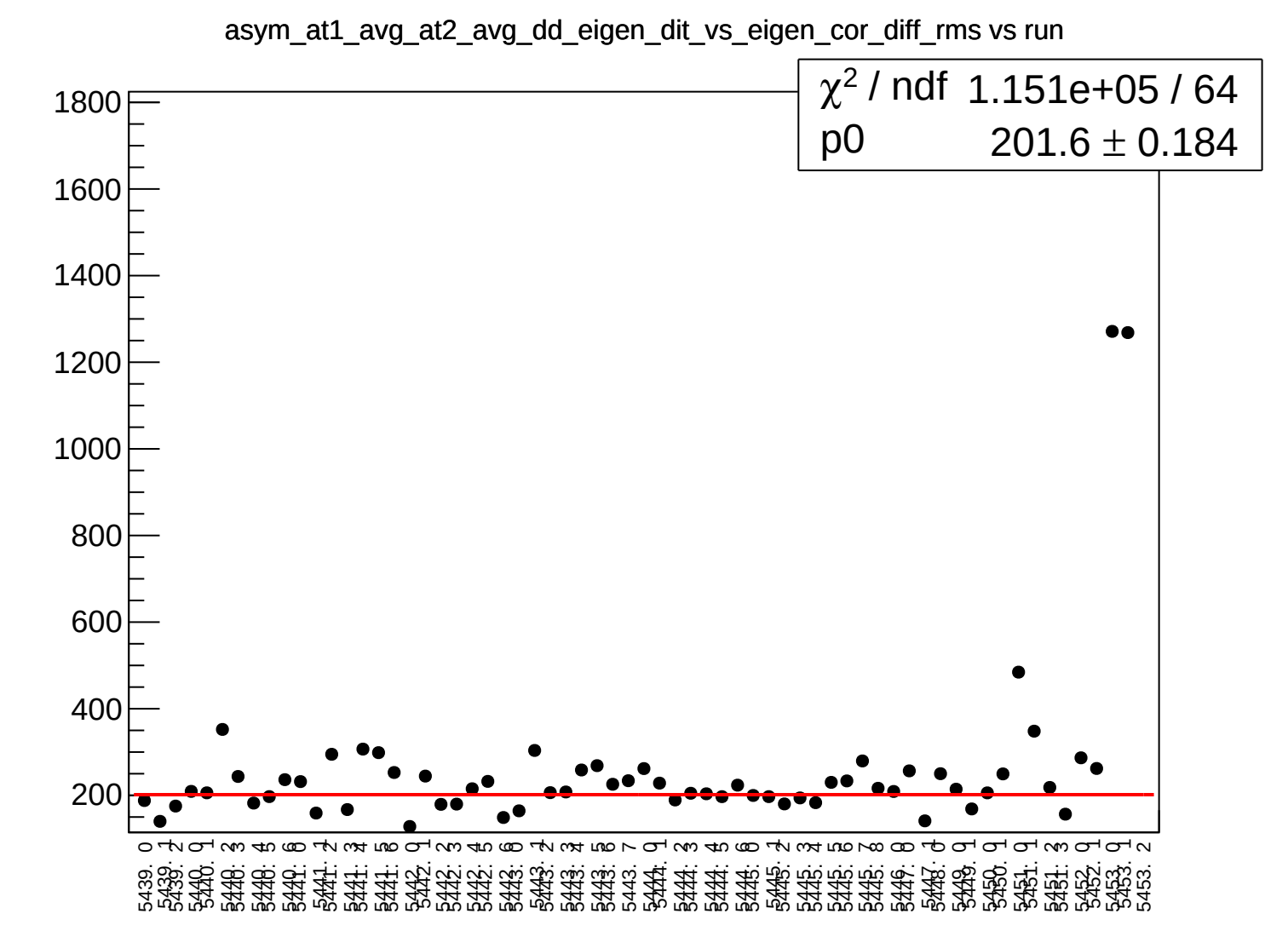

pull1D
Entries 65
Mean 0.04409
Std Dev 0.9899

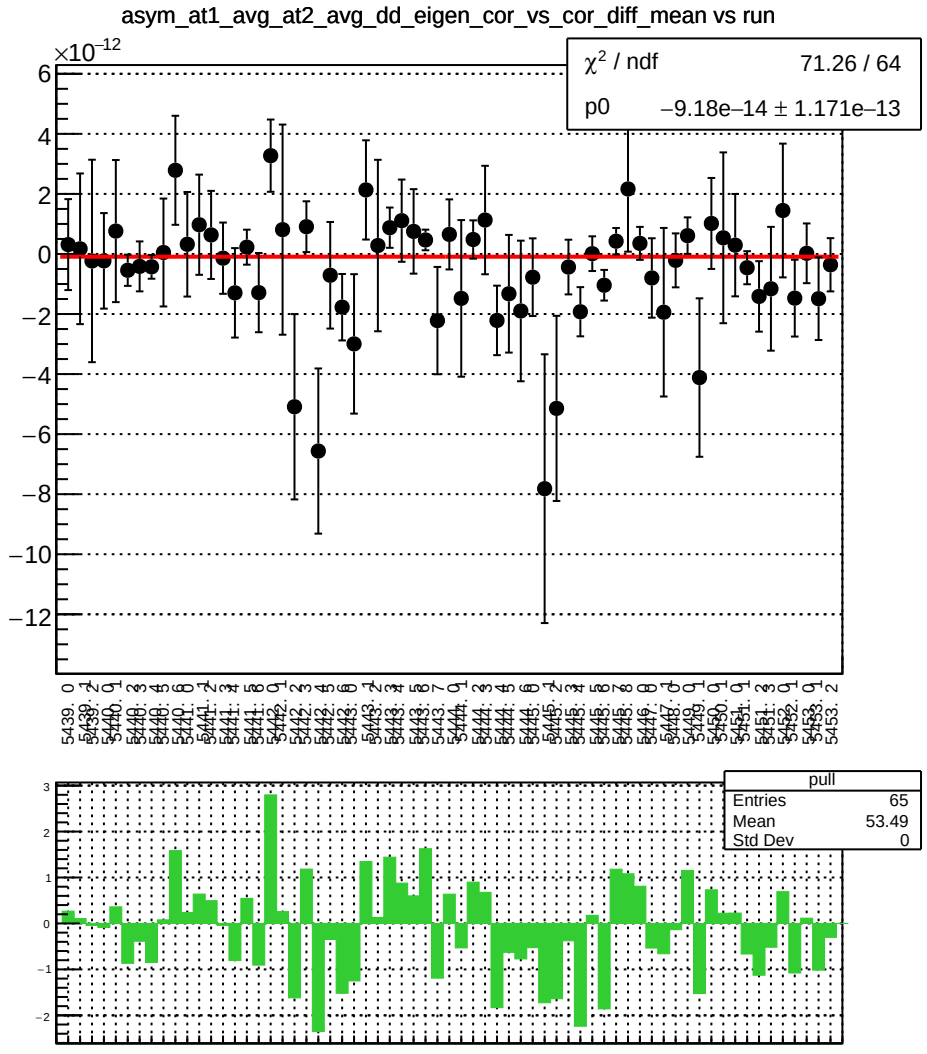

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5869 / 64
p0 0.009893 ± 8.645e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075

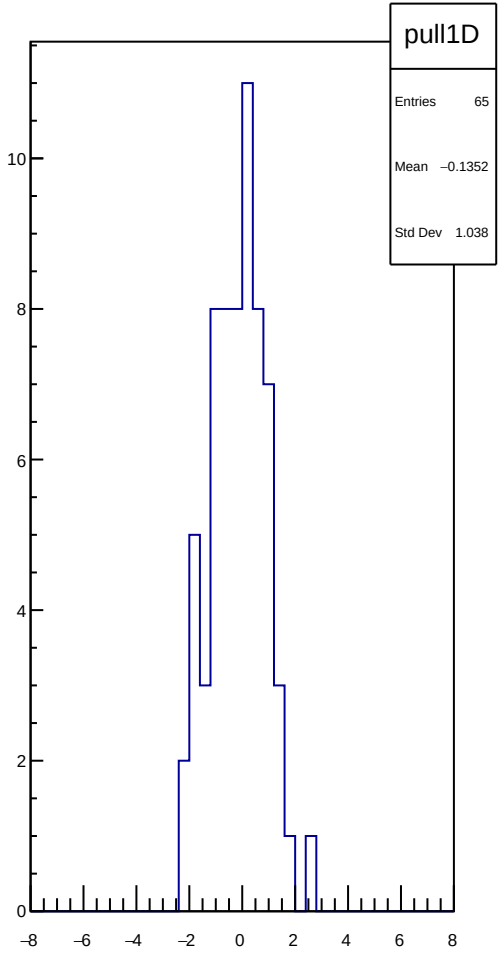

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.77
Std Dev 0
pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

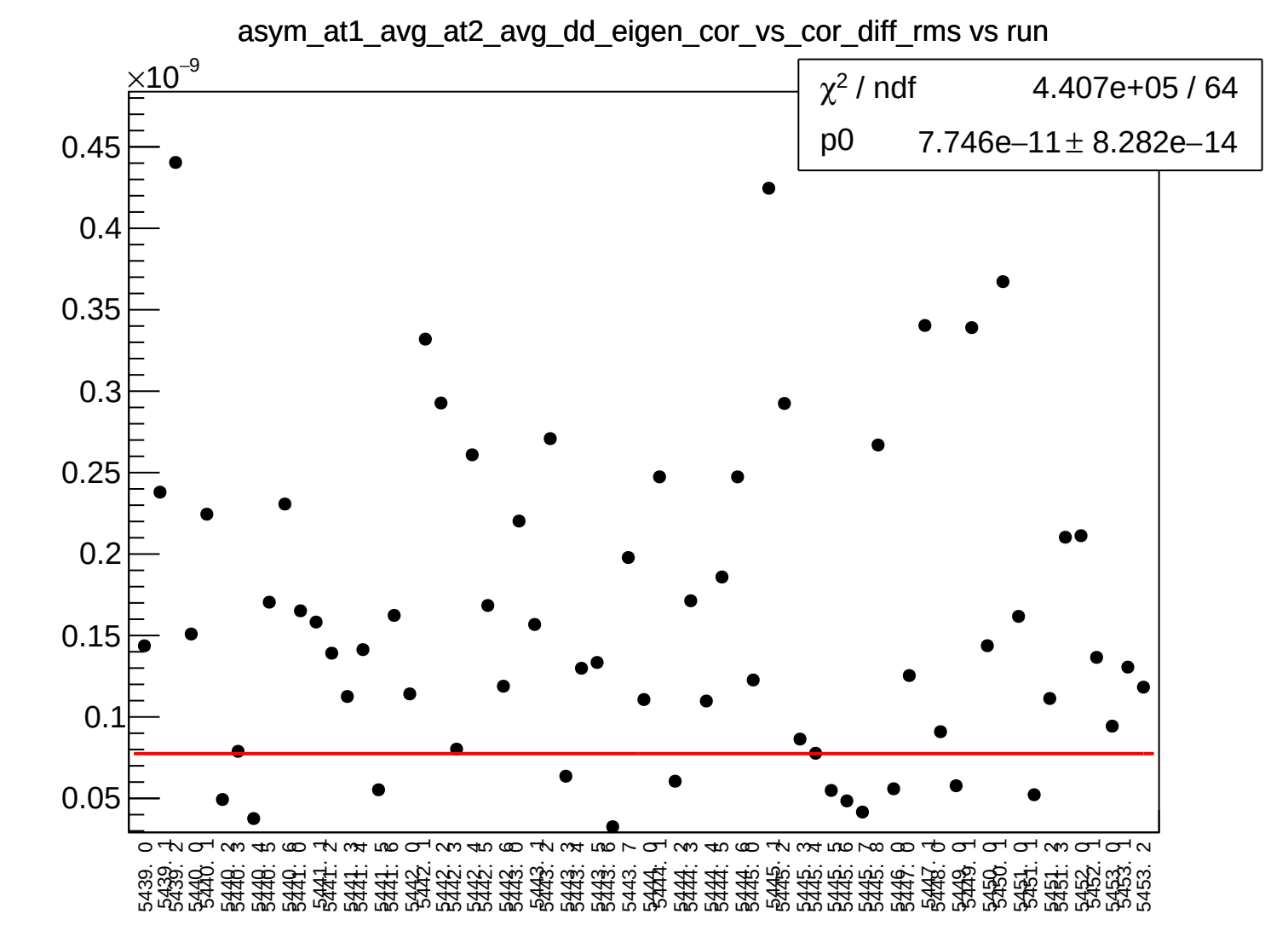

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

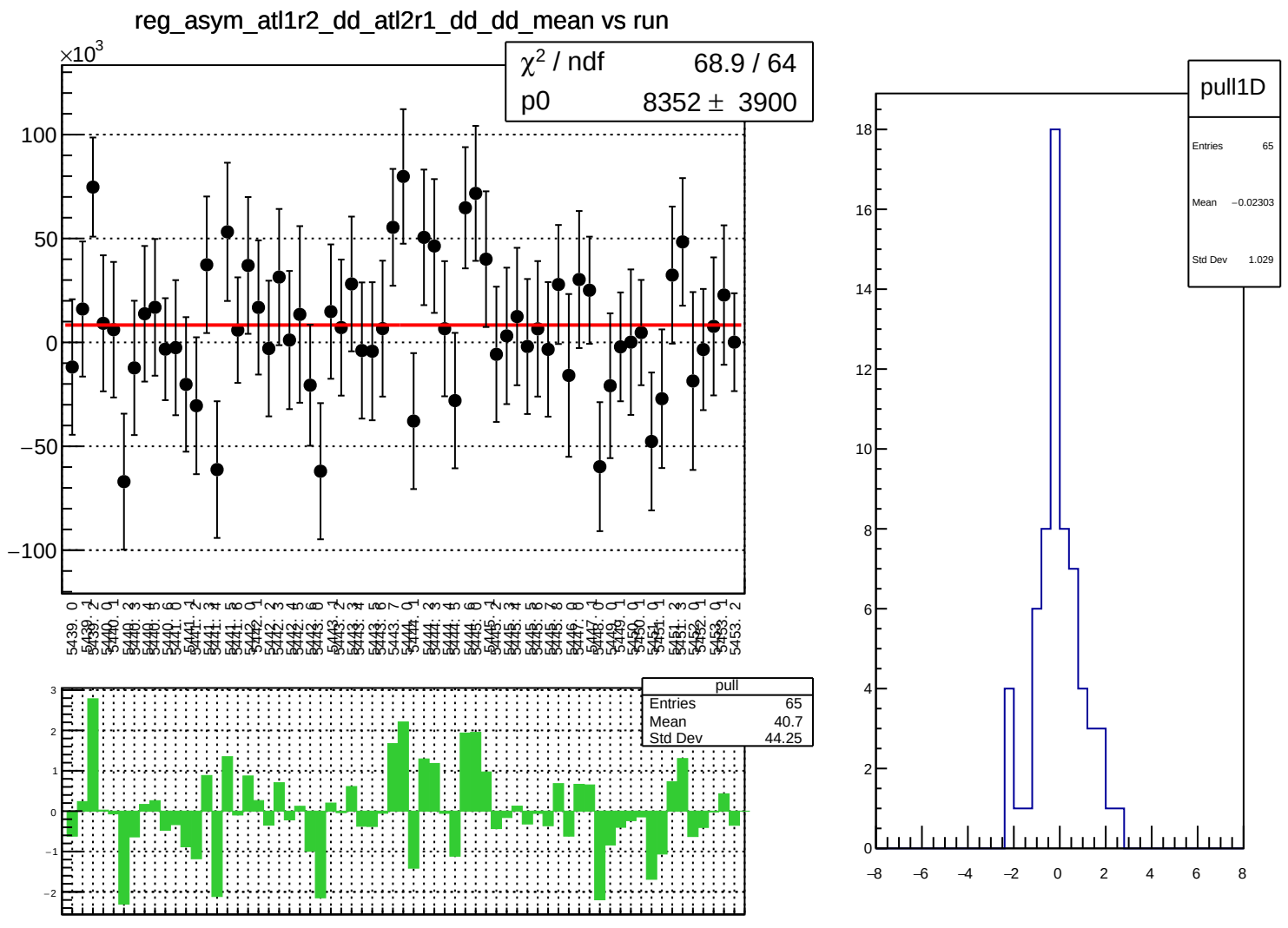

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.77
Std Dev 0
pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

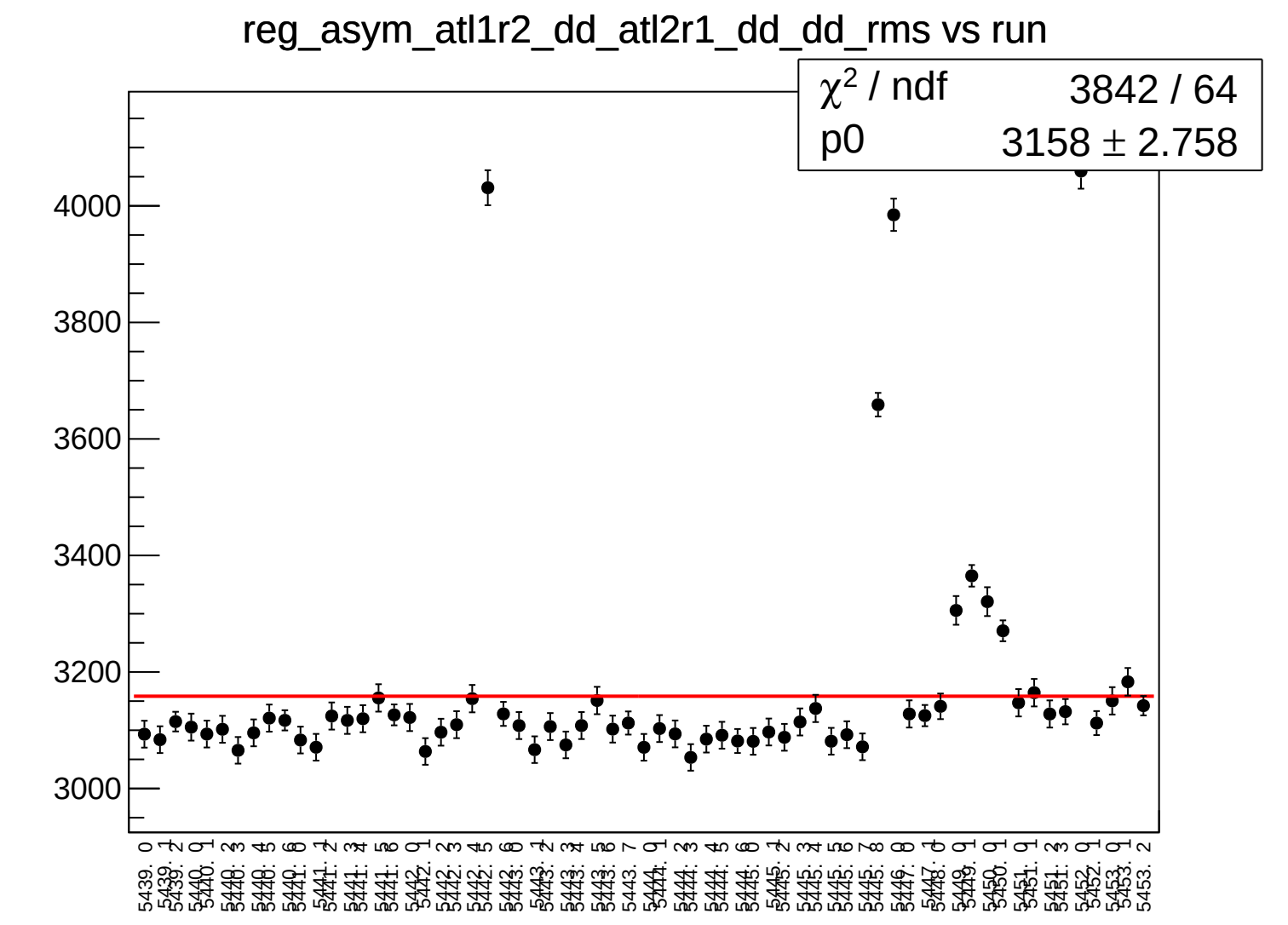

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

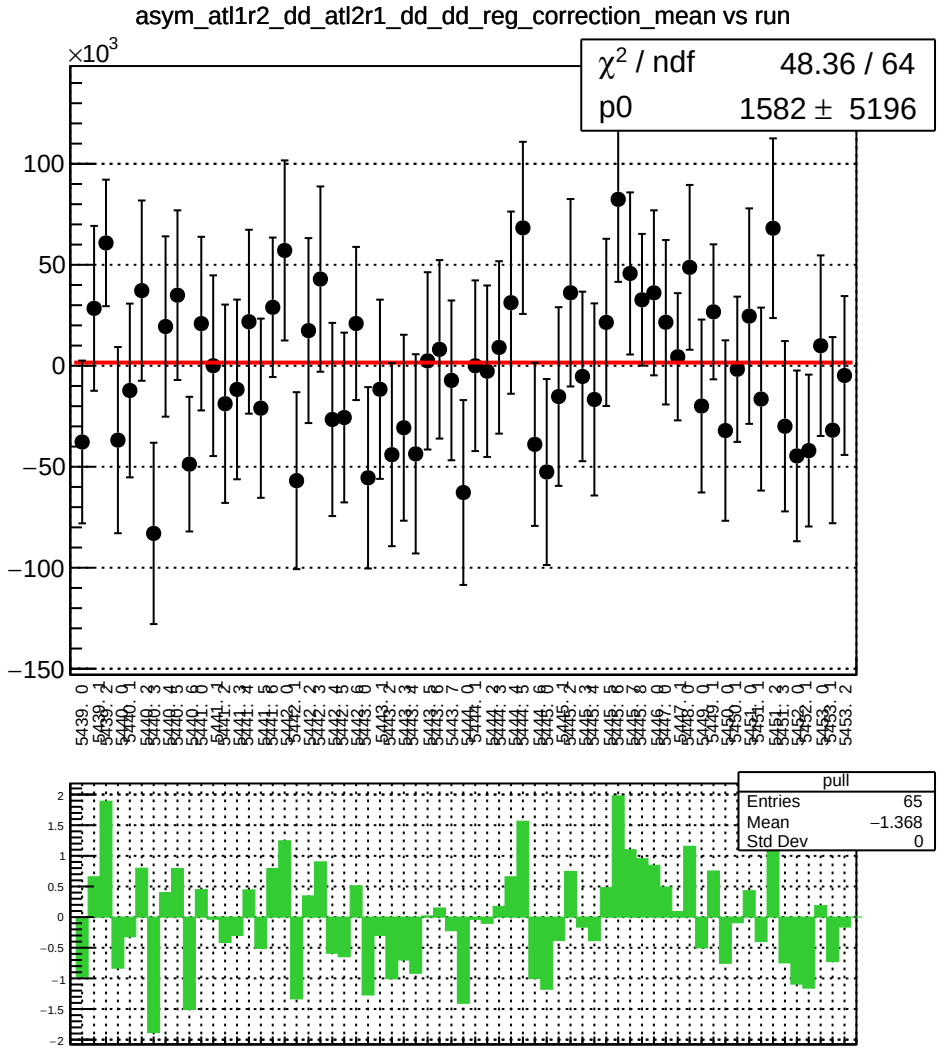

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.26 / 64
p0 −9.18e−14 ± 1.171e−13
pull
Entries 65
Mean 53.49
Std Dev 0

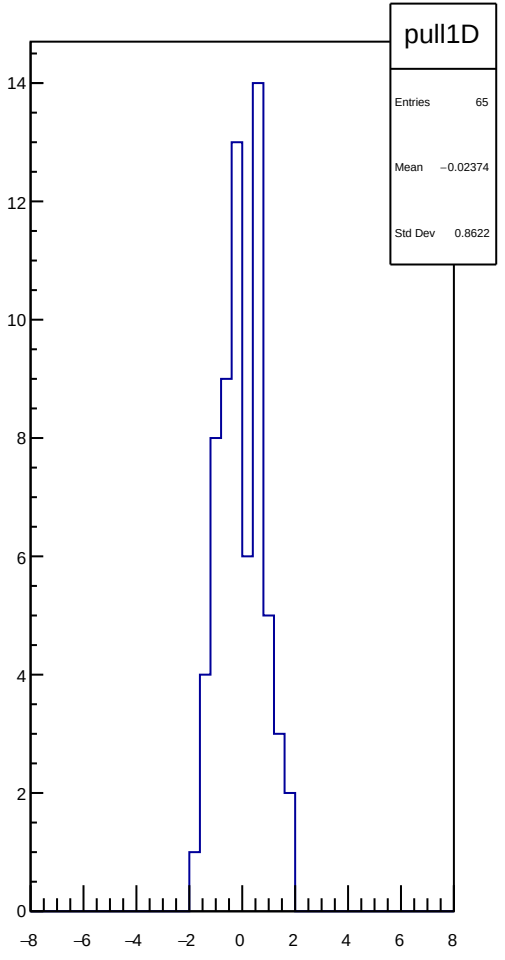

pull1D
Entries 65
Mean −0.1352
Std Dev 1.038

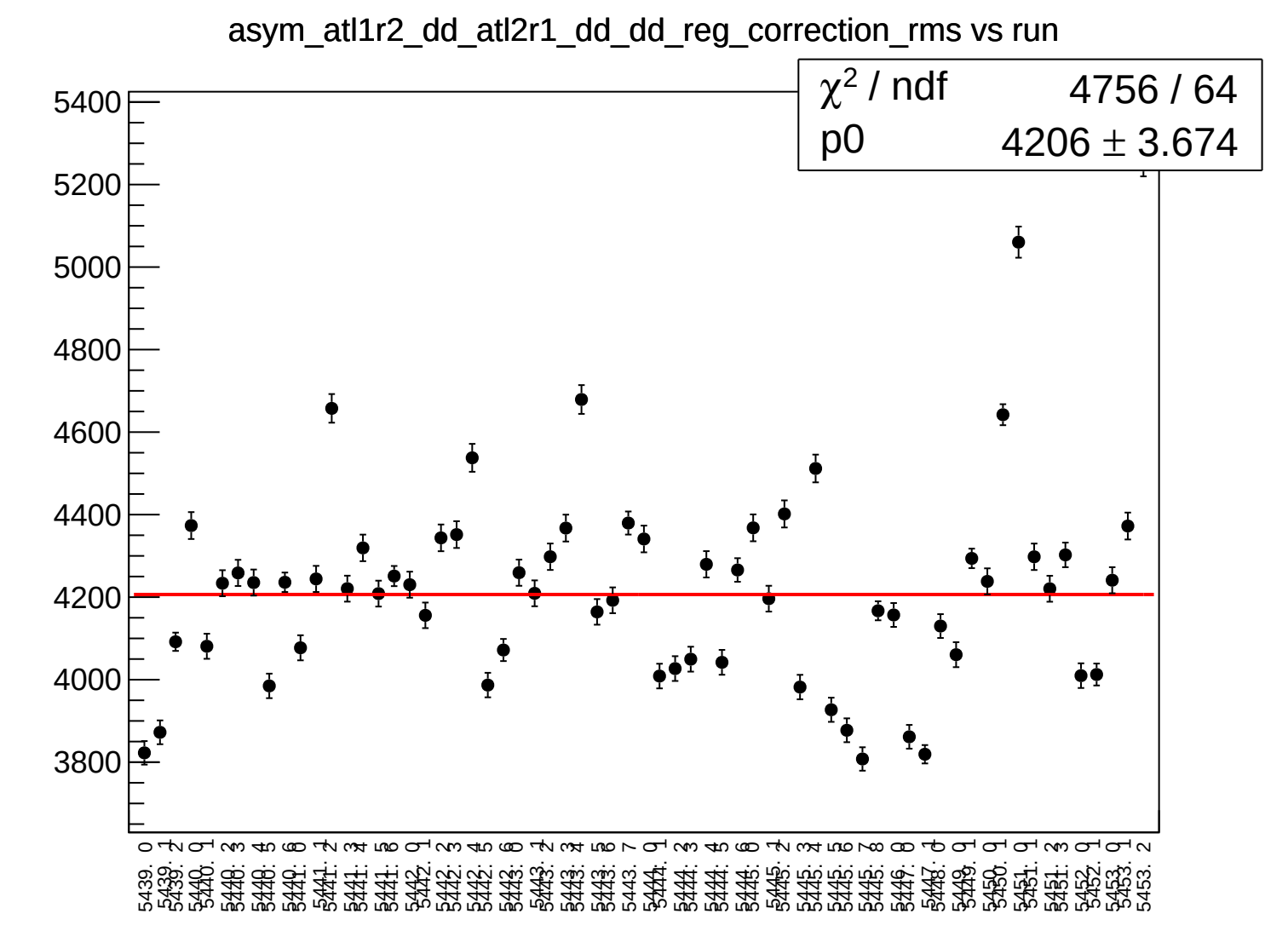

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.407e+05 / 64
p0 7.746e−11 ± 8.282e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

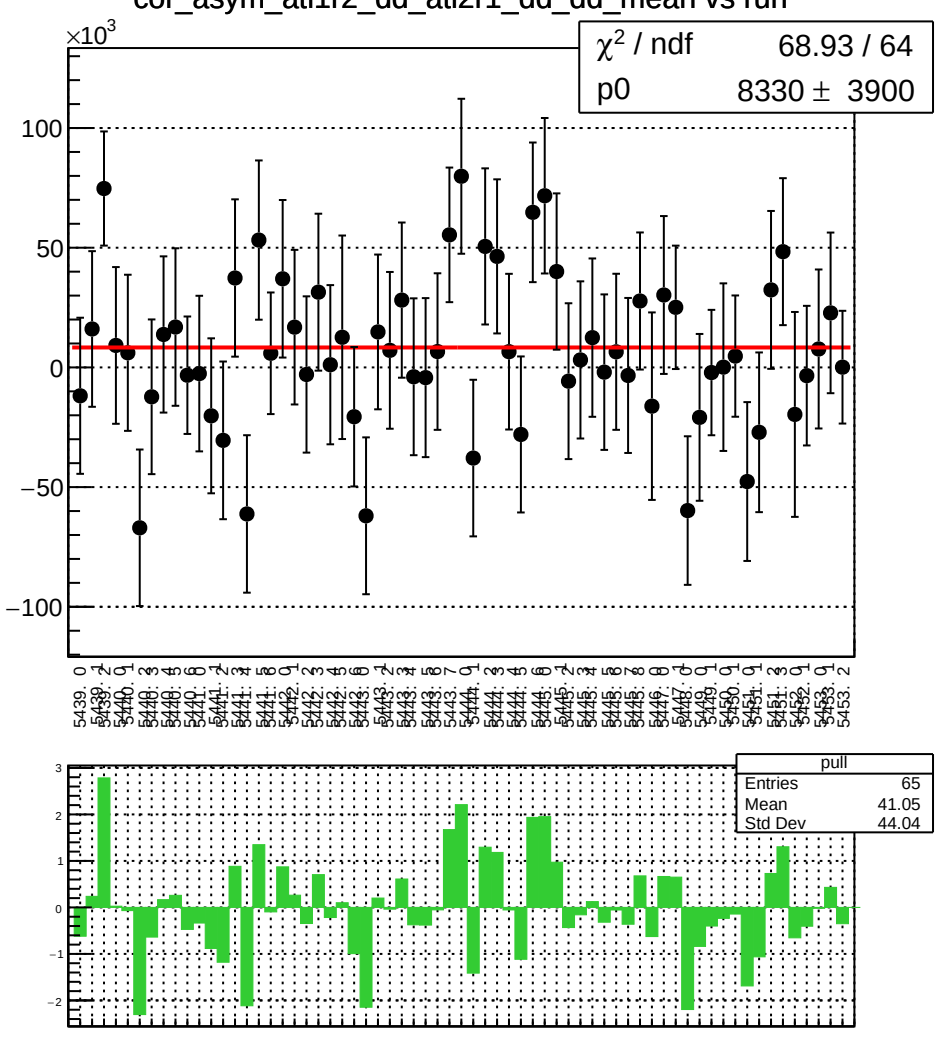

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 68.9 / 64
p0 8352 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 40.7
Std Dev 44.25
pull1D
Entries 65
Mean −0.02303
Std Dev 1.029
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

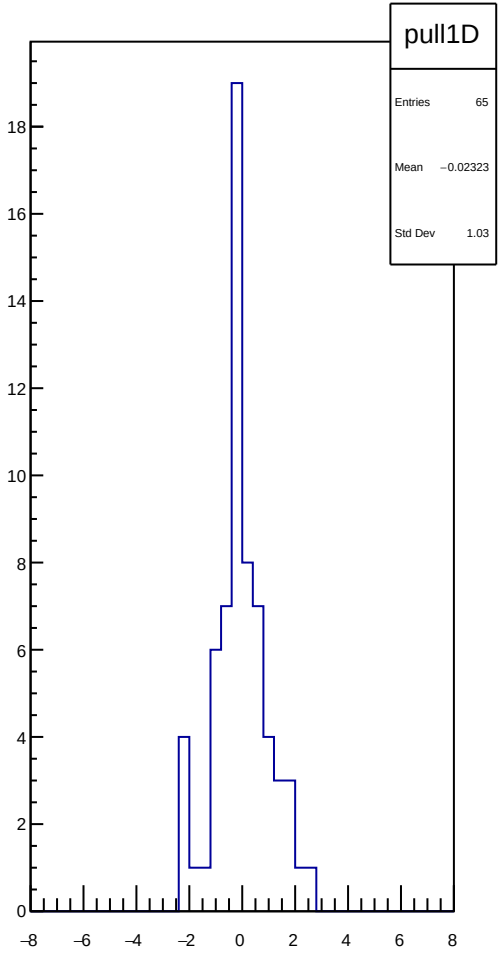

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 3842 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

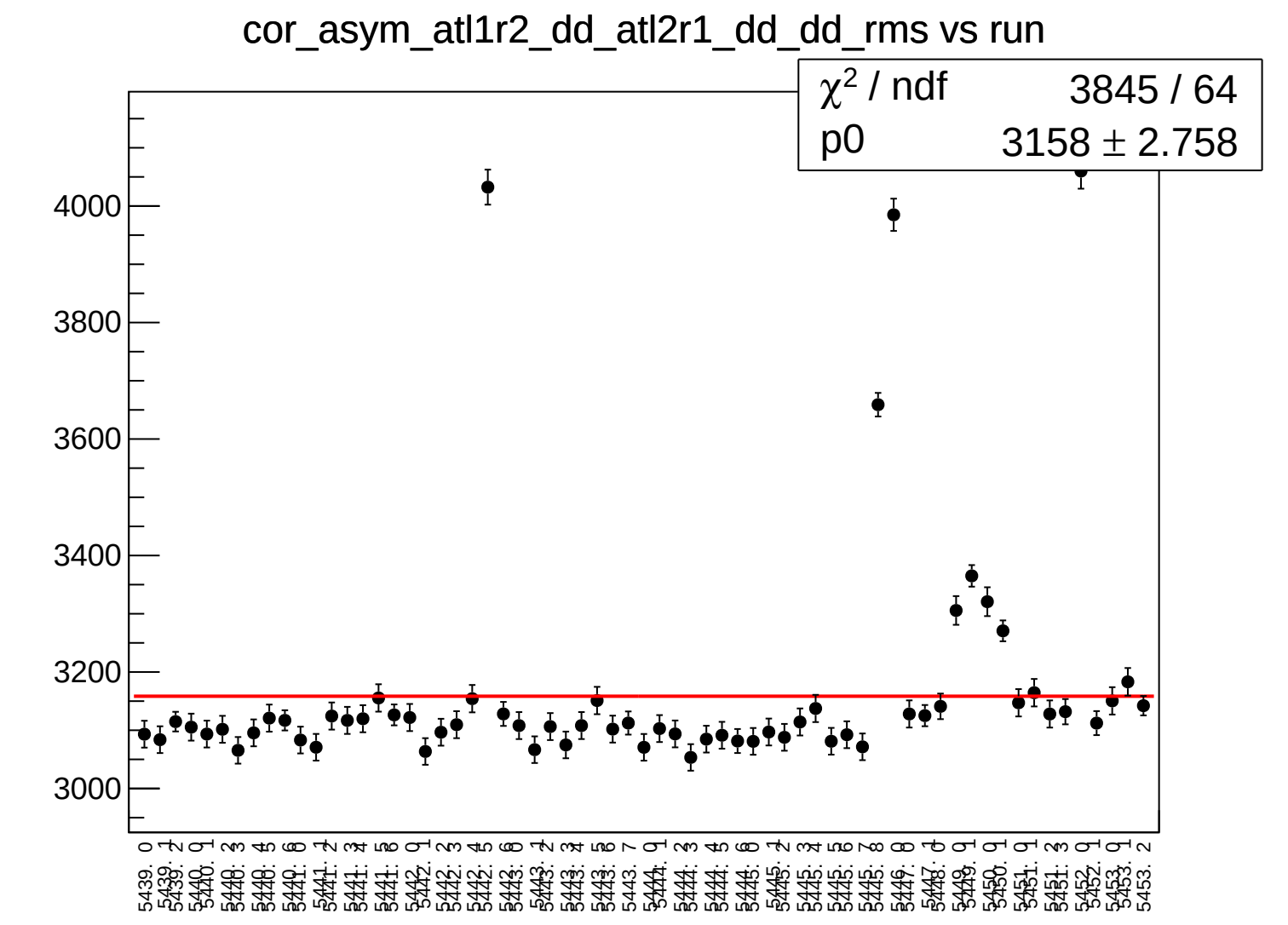

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 48.36 / 64
p0 1582 ± 5196
100
50
0
−50
−100
−150
pull
Entries 65
Mean −1.368
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

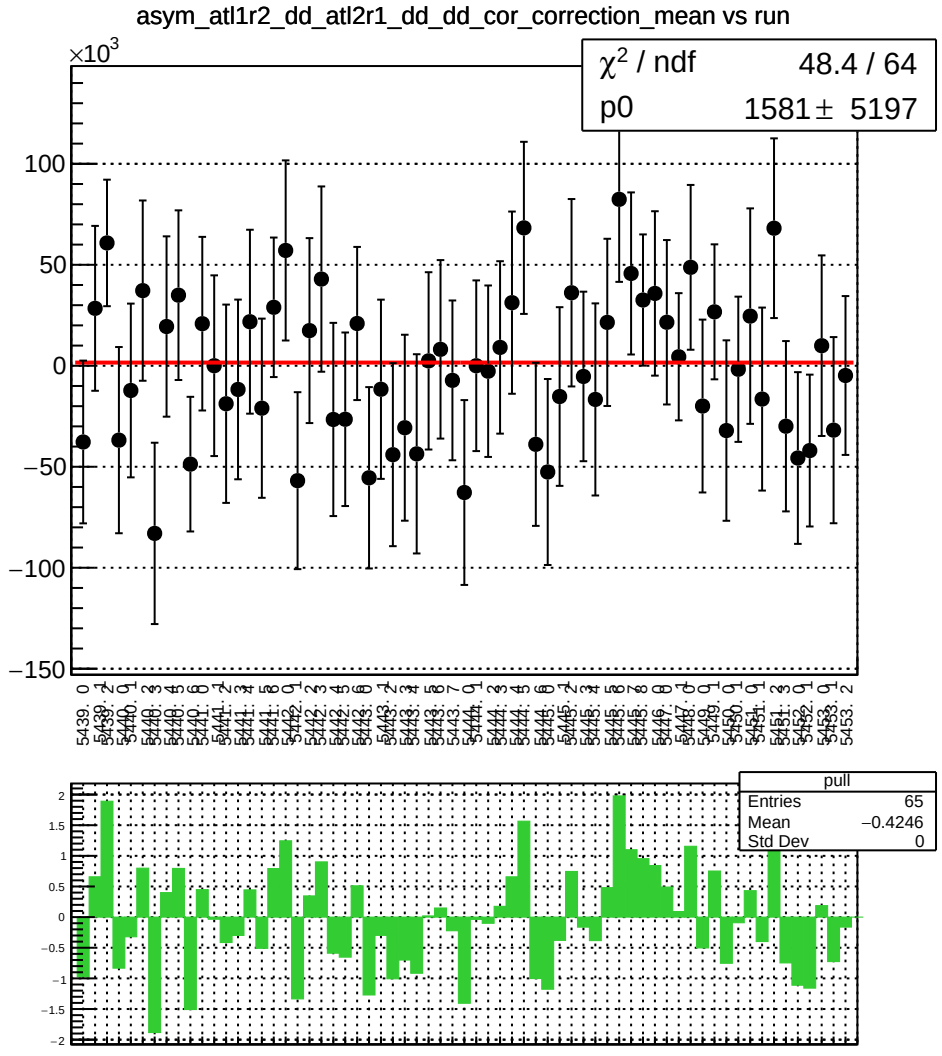

pull1D
Entries 65
Mean −0.02374
Std Dev 0.8622
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

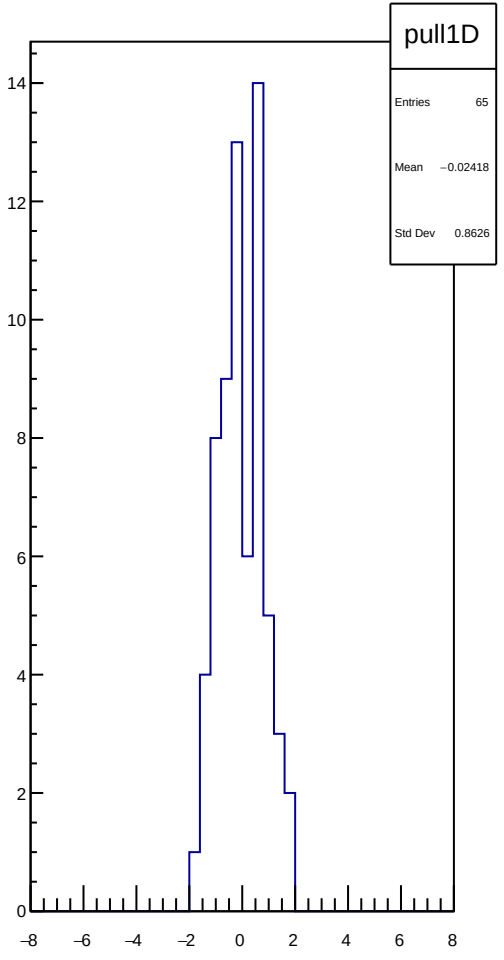

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 4756 / 64
p0 4206 ± 3.674
5400
5200
5000
4800
4600
4400
4200
4000
3800

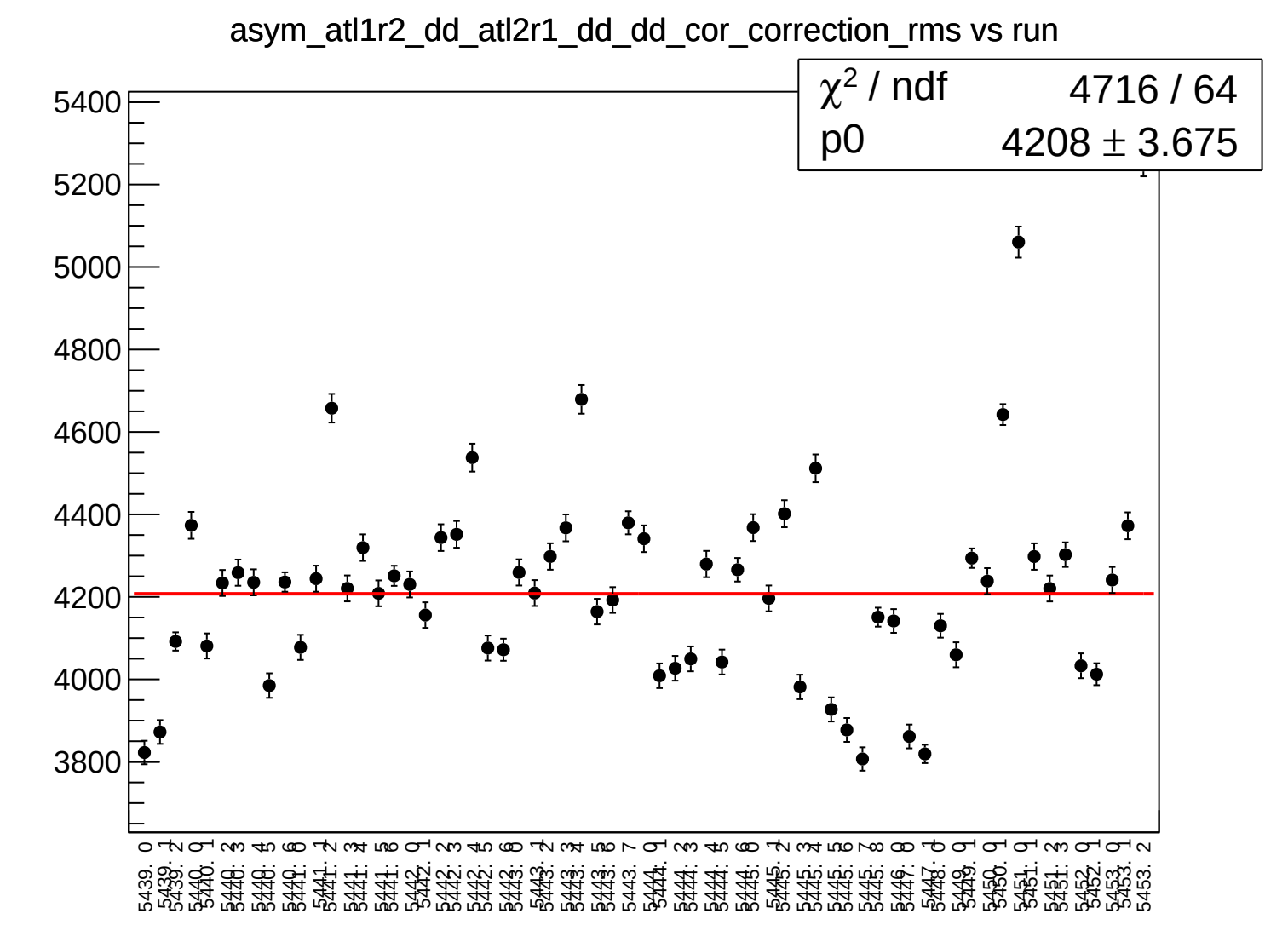

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 68.93 / 64
p0 8330 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 41.05
Std Dev 44.04
3
2
1
0
−1
−2

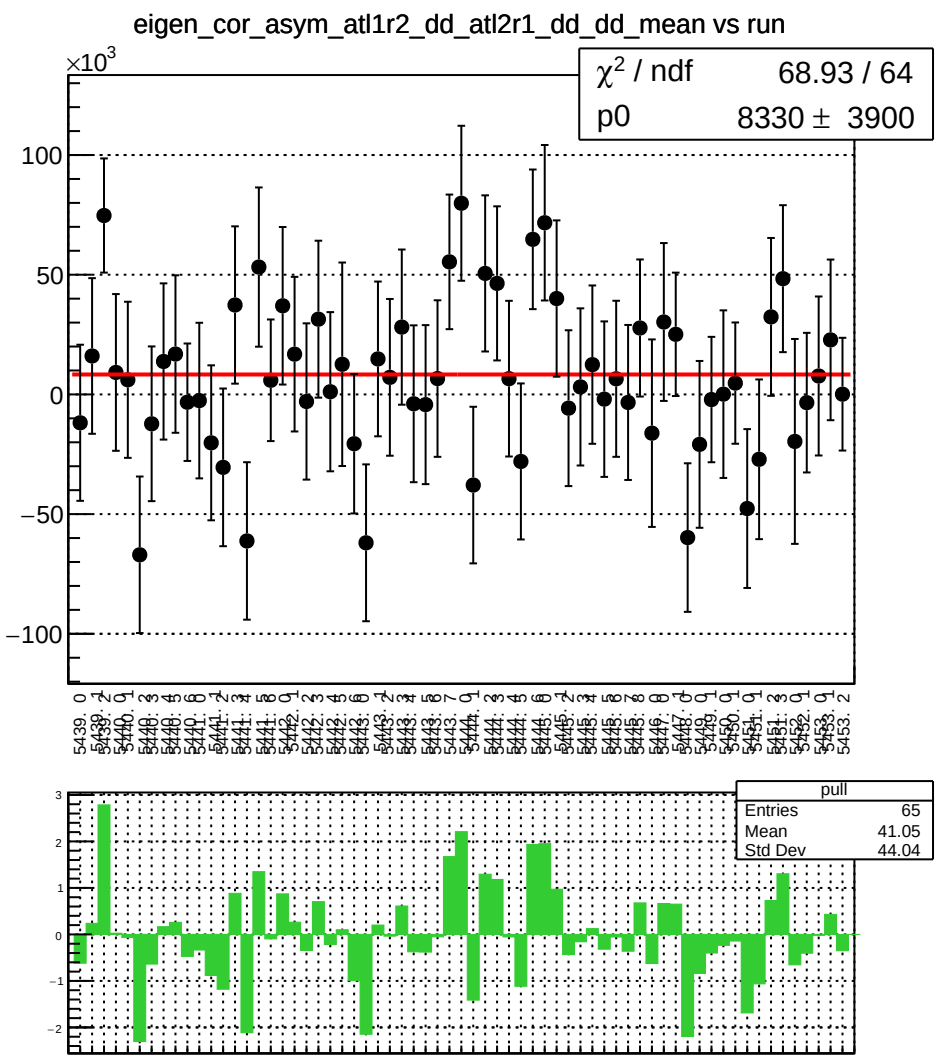

pull1D
Entries 65
Mean −0.02323
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

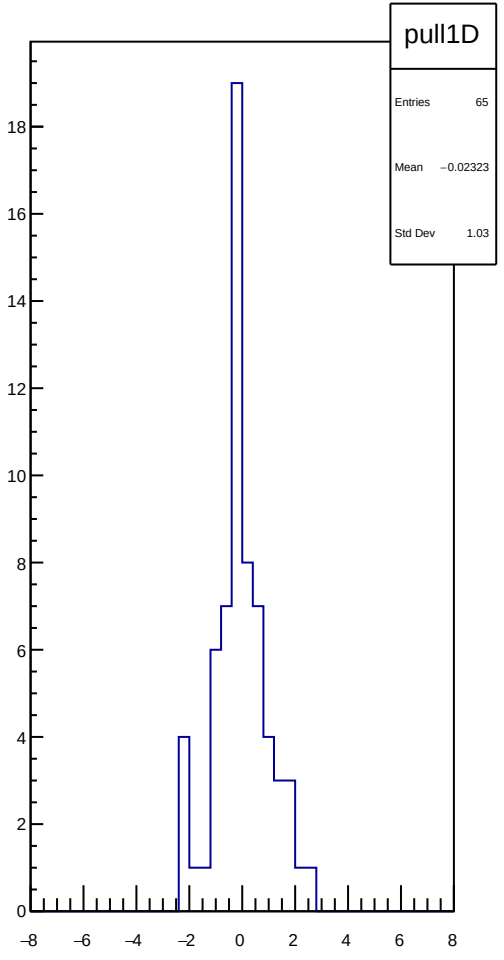

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 3845 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

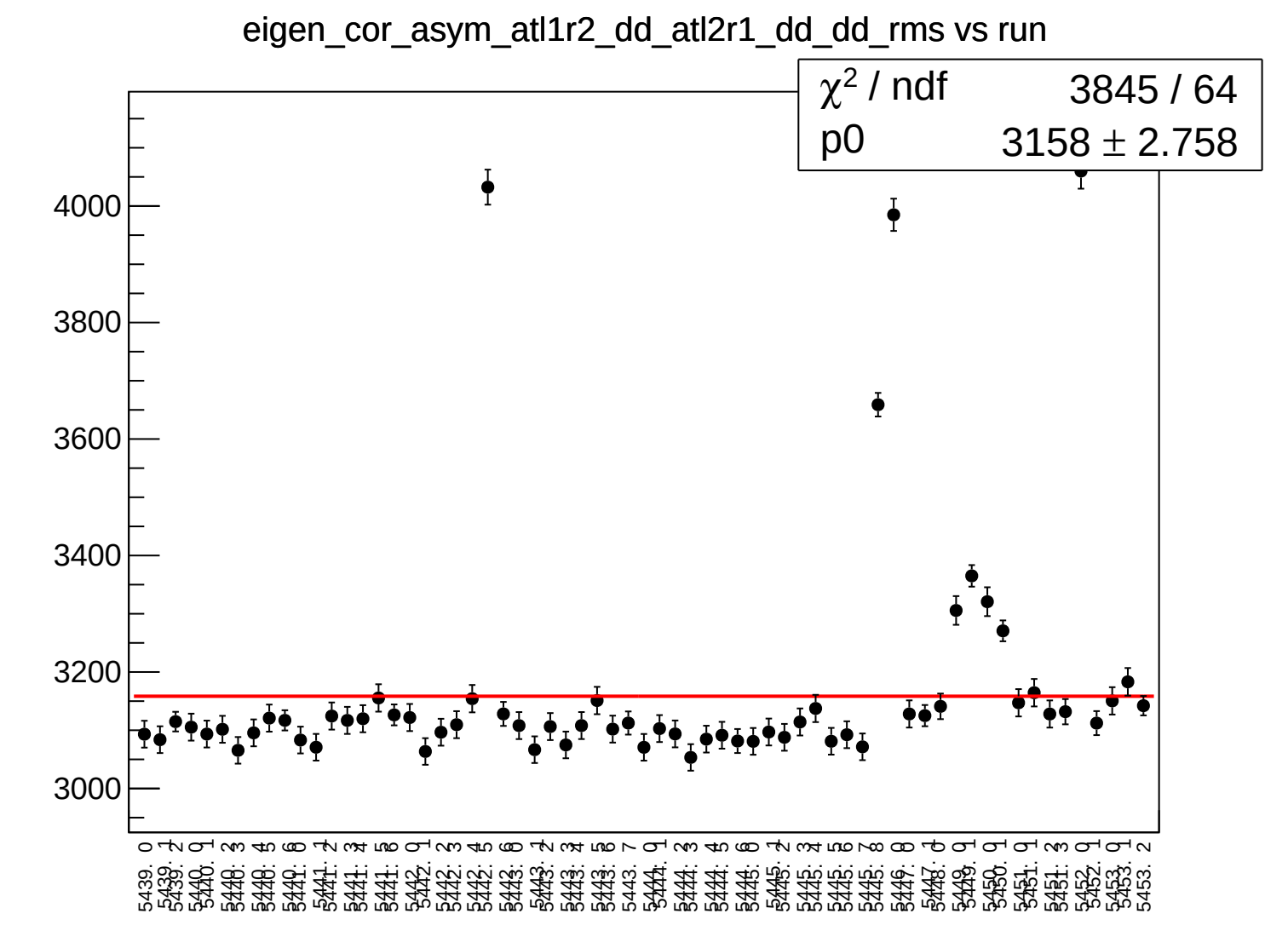

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 48.4 / 64
p0 1581 ± 5197
100
50
0
−50
−100
−150
pull
Entries 65
Mean −0.4246
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

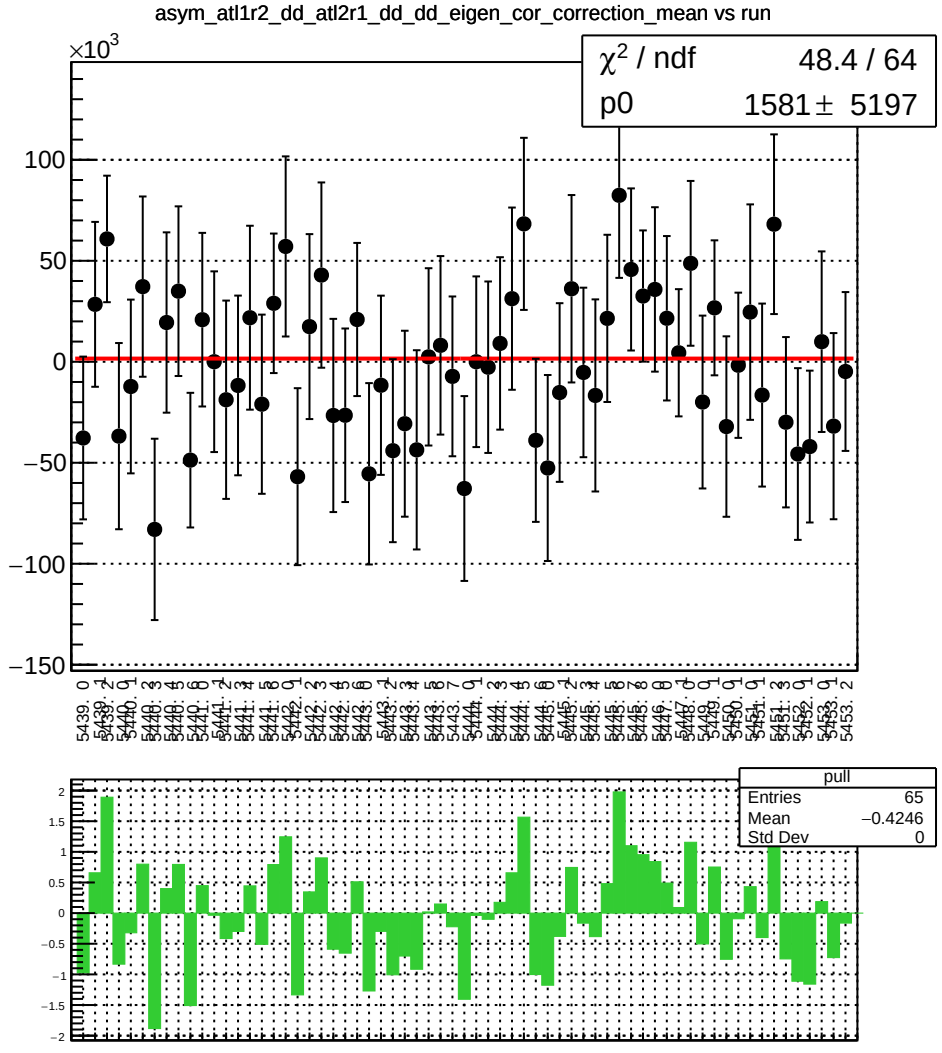

pull1D
Entries 65
Mean −0.02418
Std Dev 0.8626
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

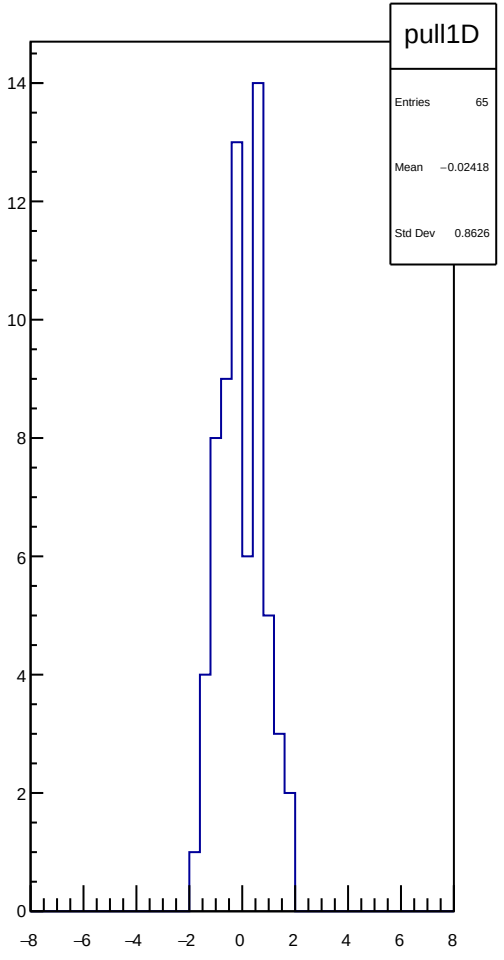

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 4716 / 64
p0 4208 ± 3.675
5400
5200
5000
4800
4600
4400
4200
4000
3800

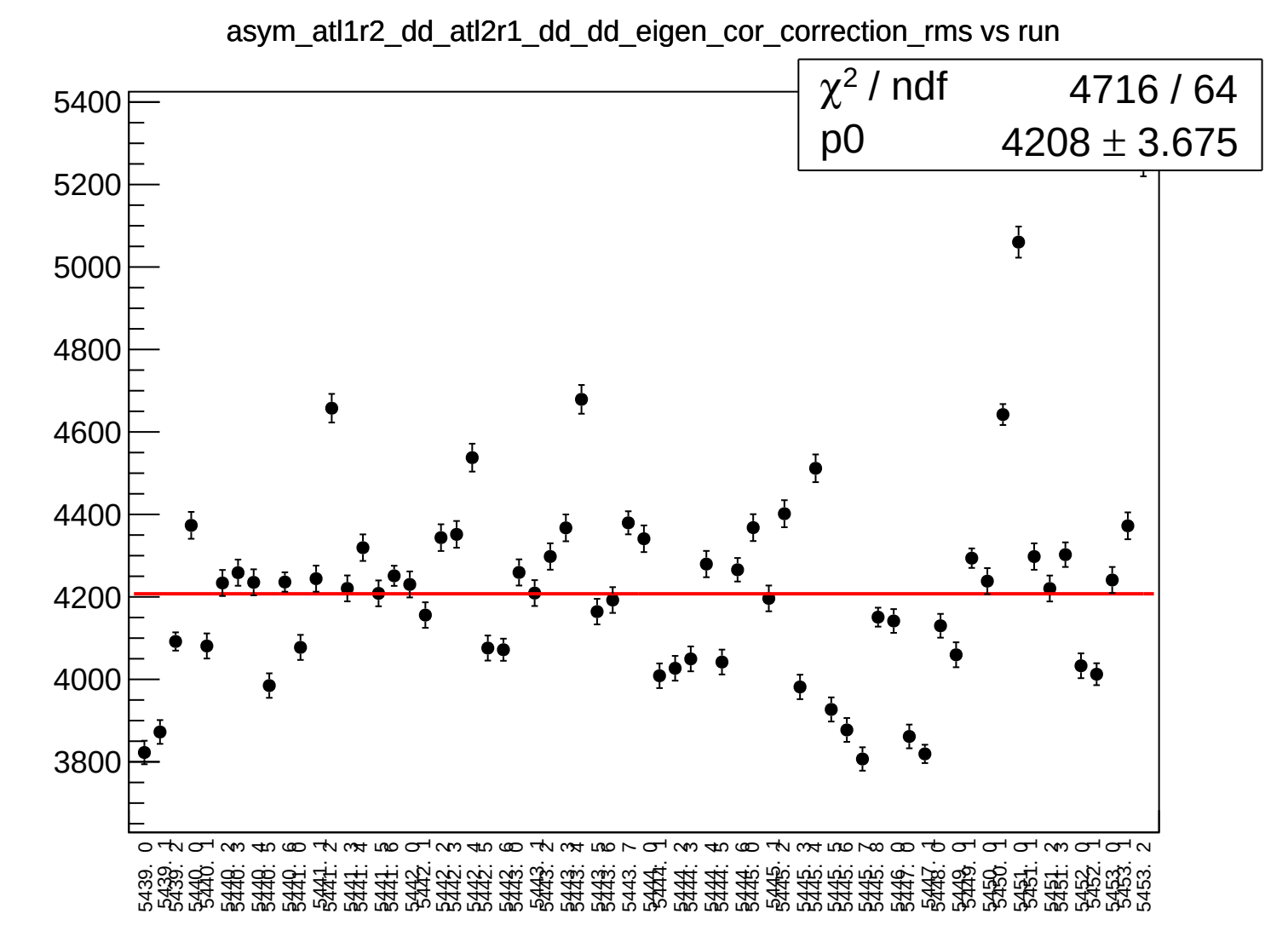

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 68.93 / 64
p0 8330 ± 3900
100
50
0
−50
−100
pull
Entries 65
Mean 41.05
Std Dev 44.04
3
2
1
0
−1
−2

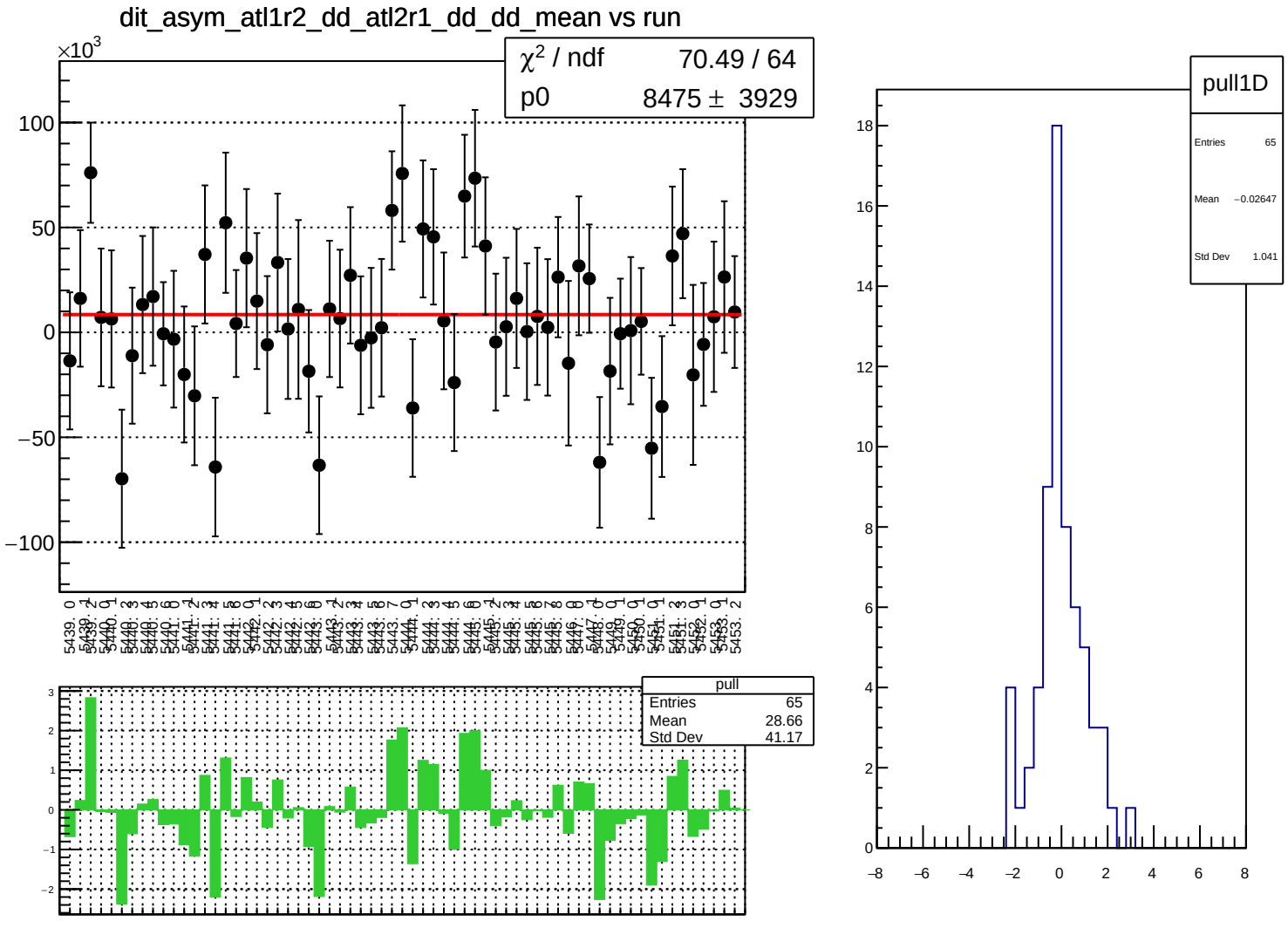

pull1D
Entries 65
Mean −0.02323
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

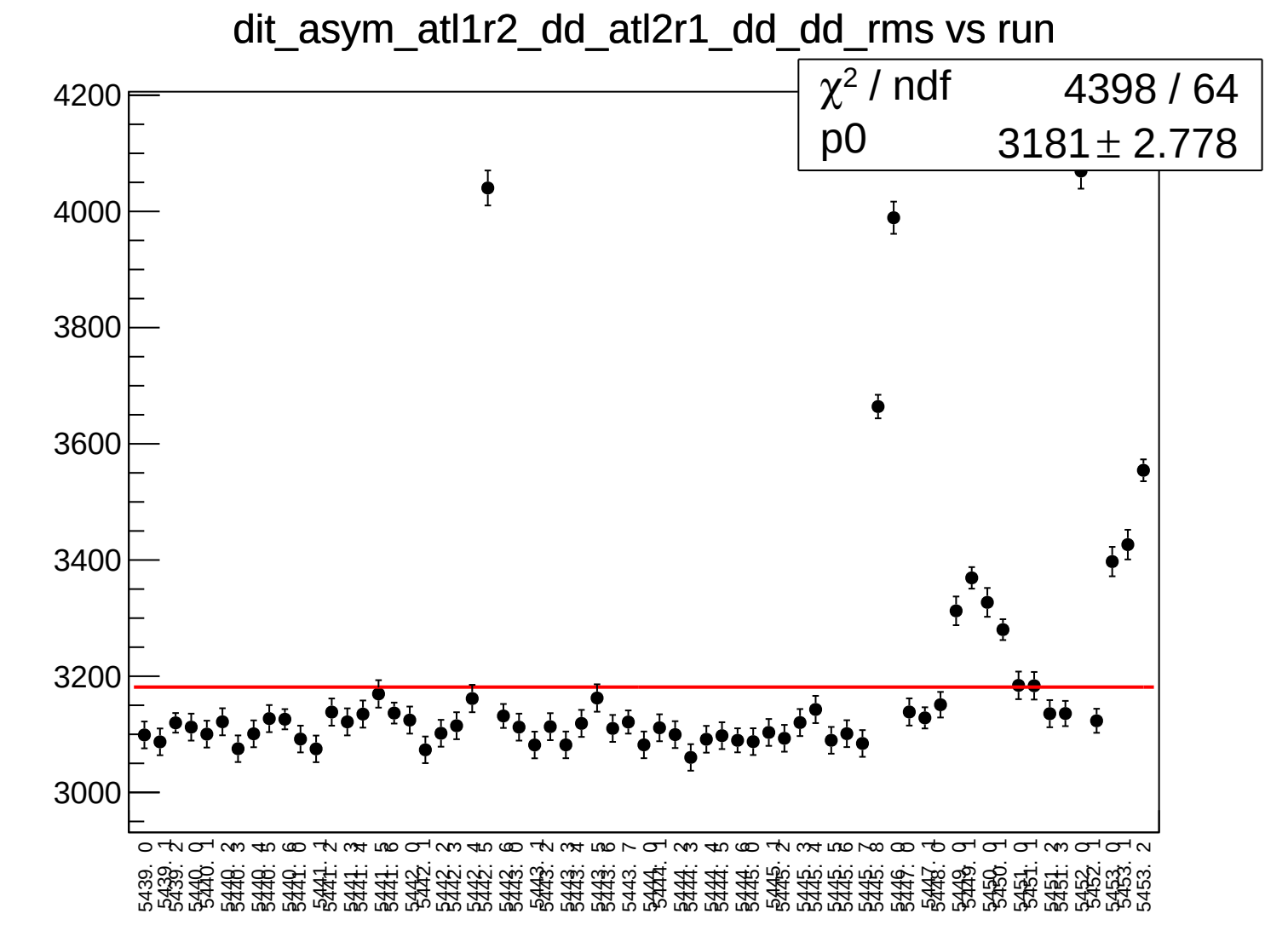

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 3845 / 64
p0 3158 ± 2.758
4000
3800
3600
3400
3200
3000

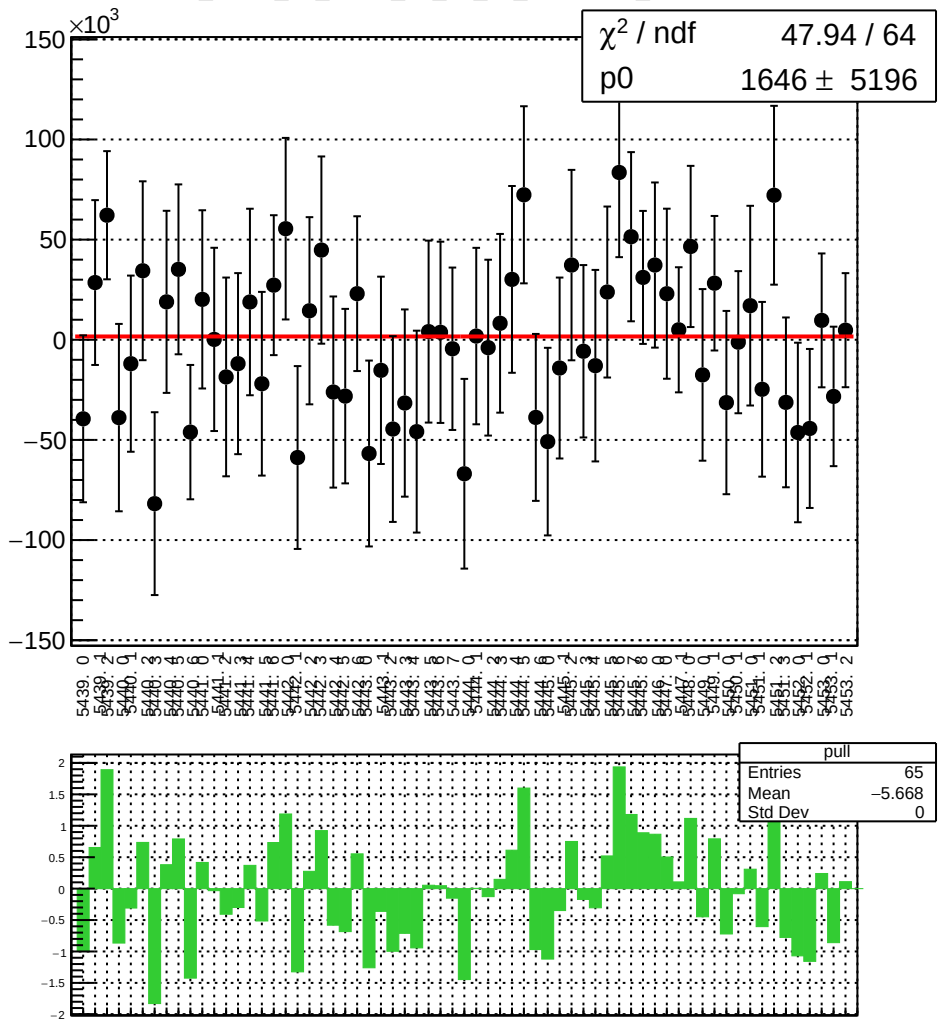

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.4 / 64
p0 1581 ± 5197
pull
Entries 65
Mean −0.4246
Std Dev 0

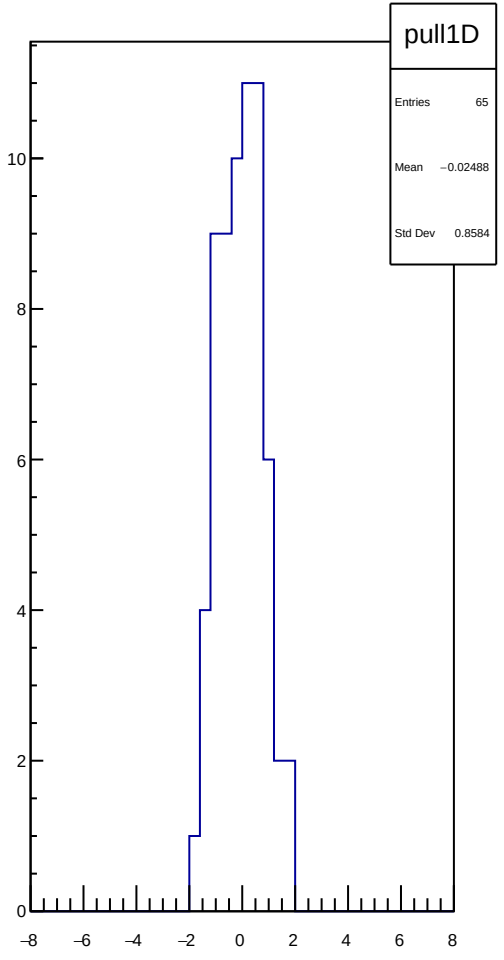

pull1D
Entries 65
Mean −0.02418
Std Dev 0.8626

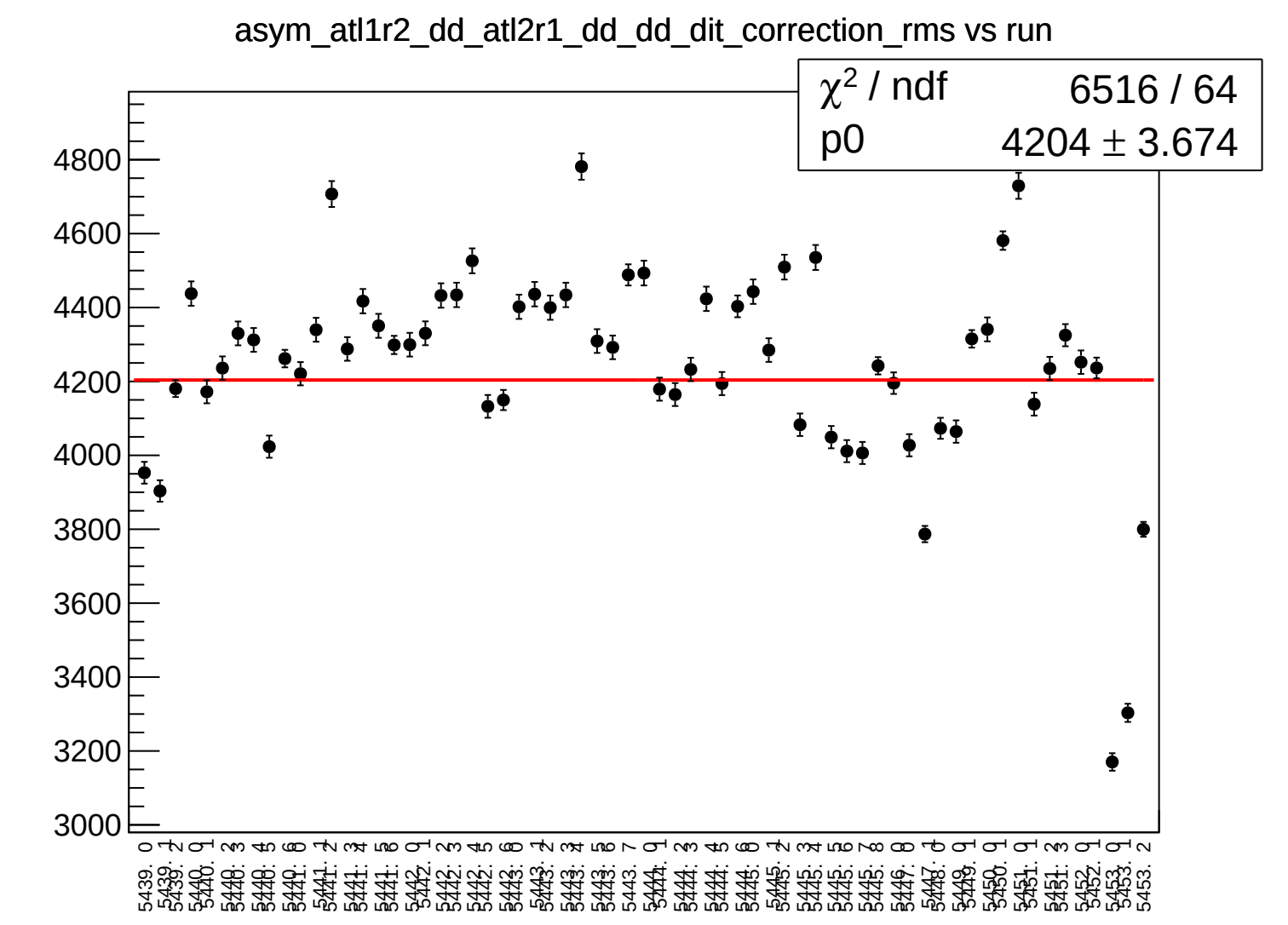

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4716 / 64
p0 4208 ± 3.675
5400
5200
5000
4800
4600
4400
4200
4000
3800

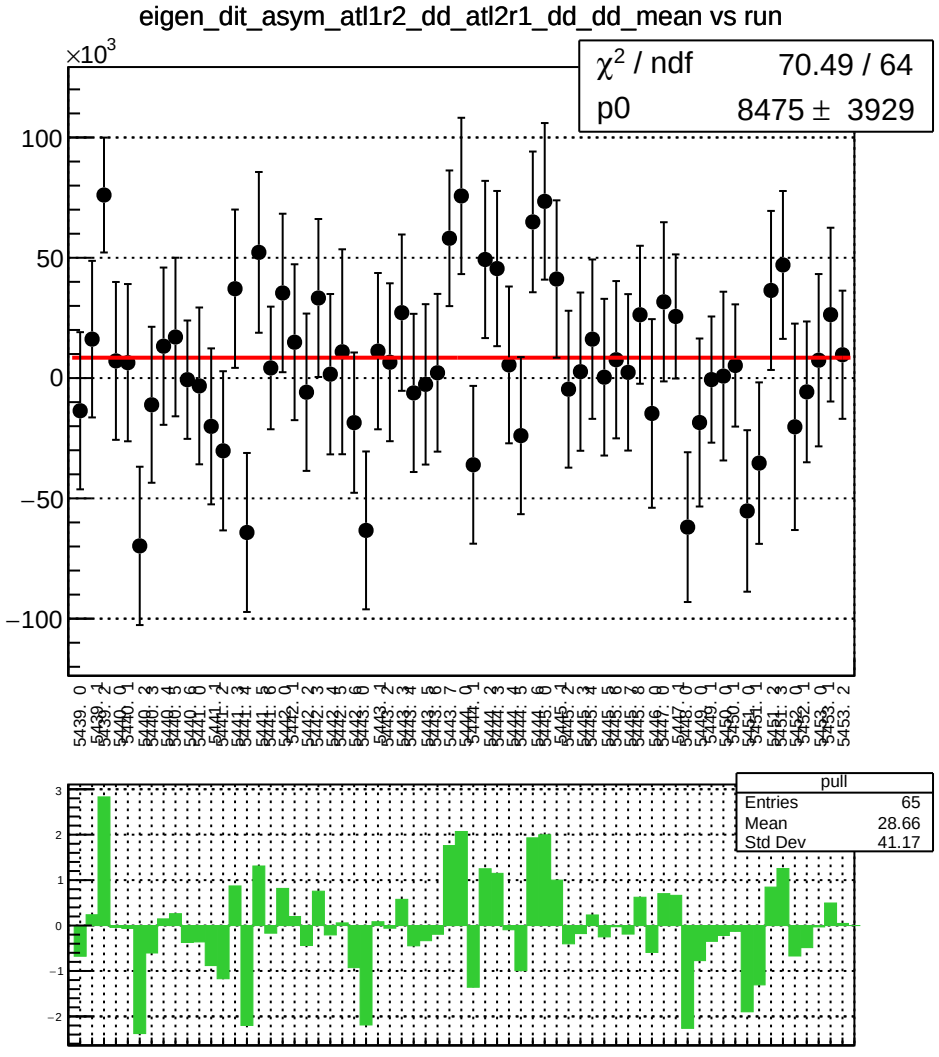

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 70.49 / 64
p0 8475 ± 3929
×10³
pull
Entries 65
Mean 28.66
Std Dev 41.17
pull1D
Entries 65
Mean −0.02647
Std Dev 1.041

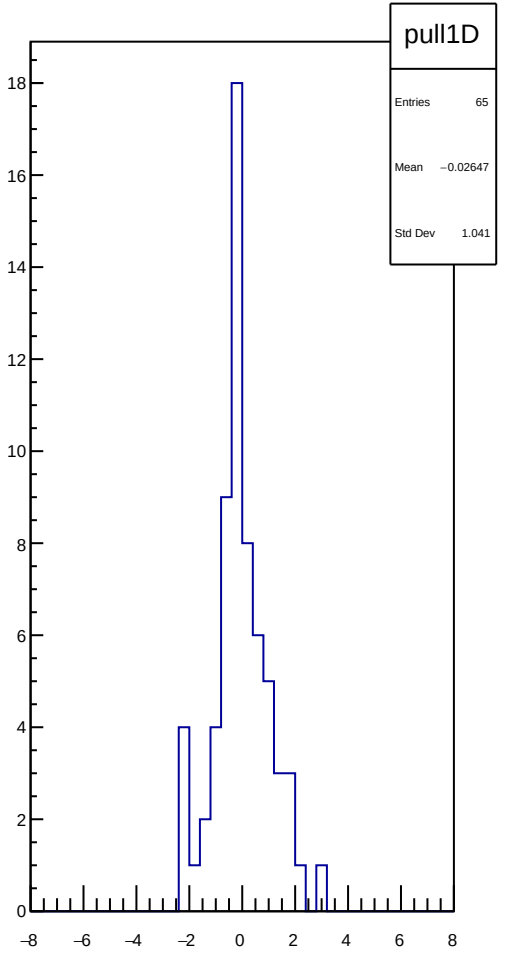

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 4398 / 64
p0 3181 ± 2.778
4200
4000
3800
3600
3400
3200
3000

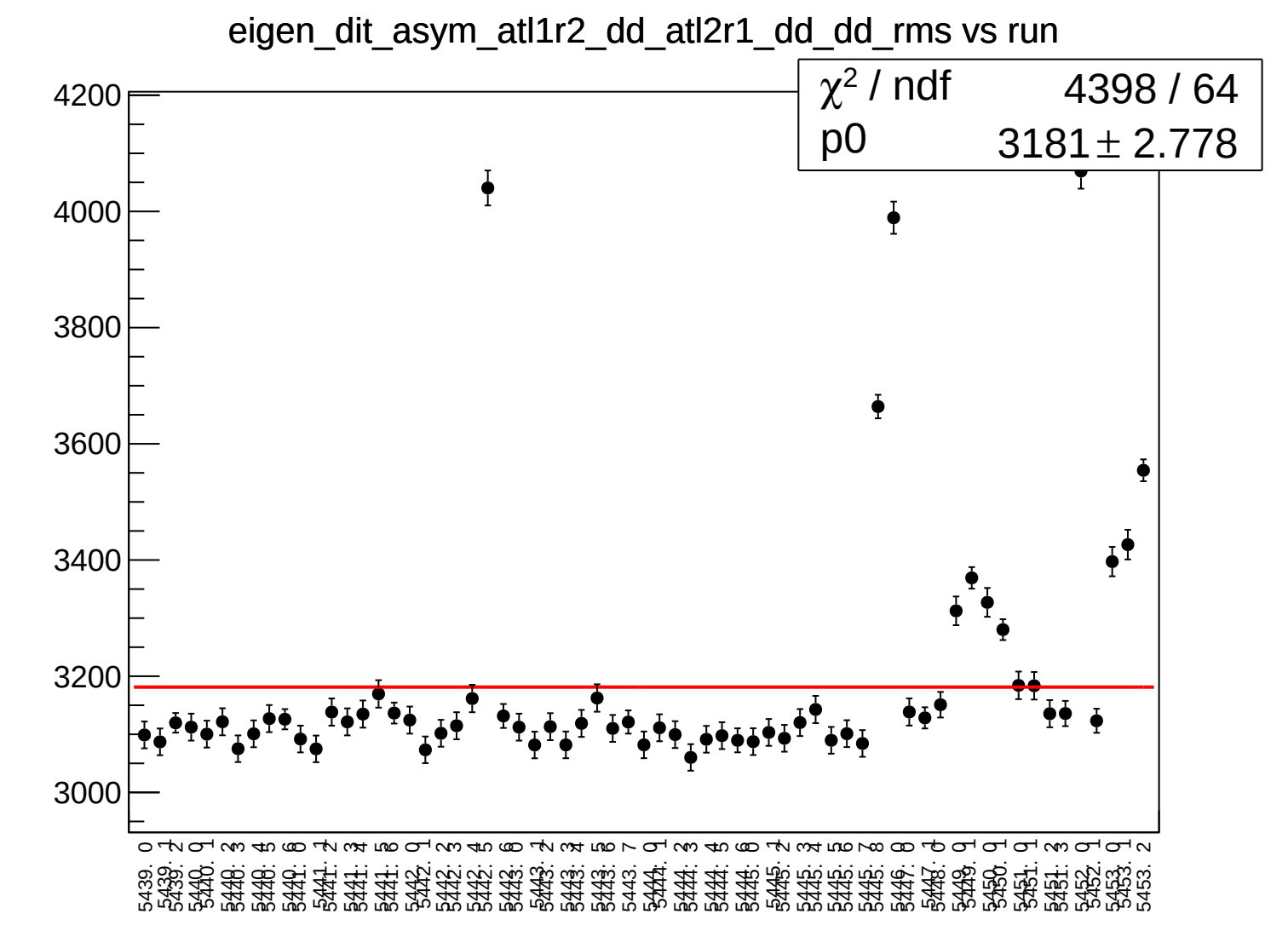

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 47.94 / 64
p0 1646 ± 5196
pull
Entries 65
Mean −5.668
Std Dev 0

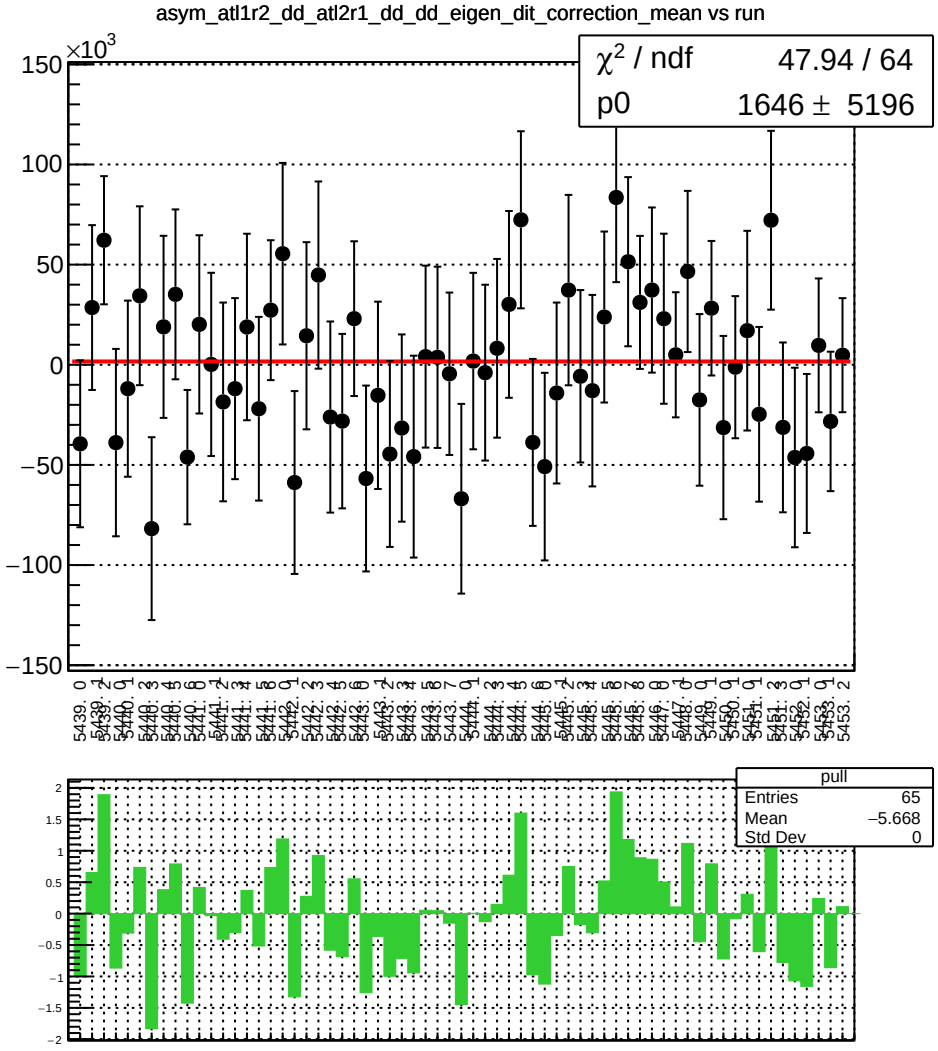

pull1D
Entries 65
Mean −0.02488
Std Dev 0.8584

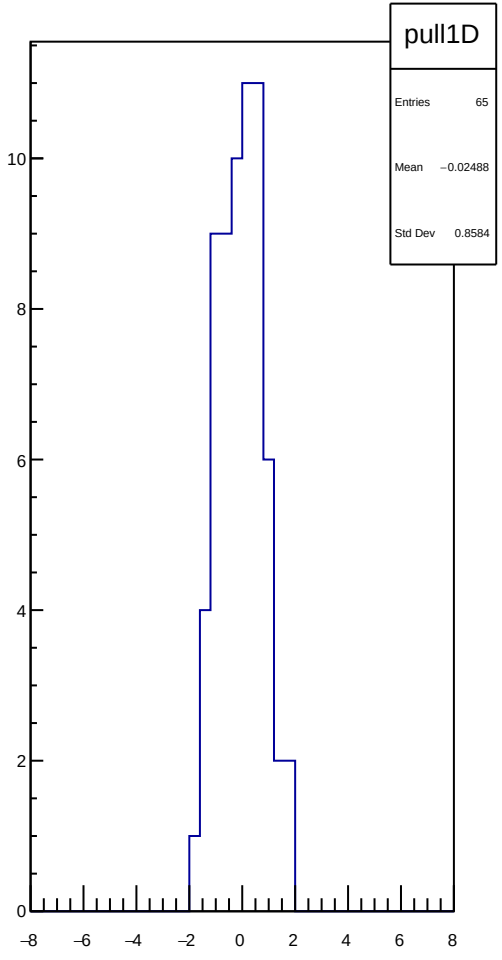

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 6516 / 64
p0 4204 ± 3.674
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

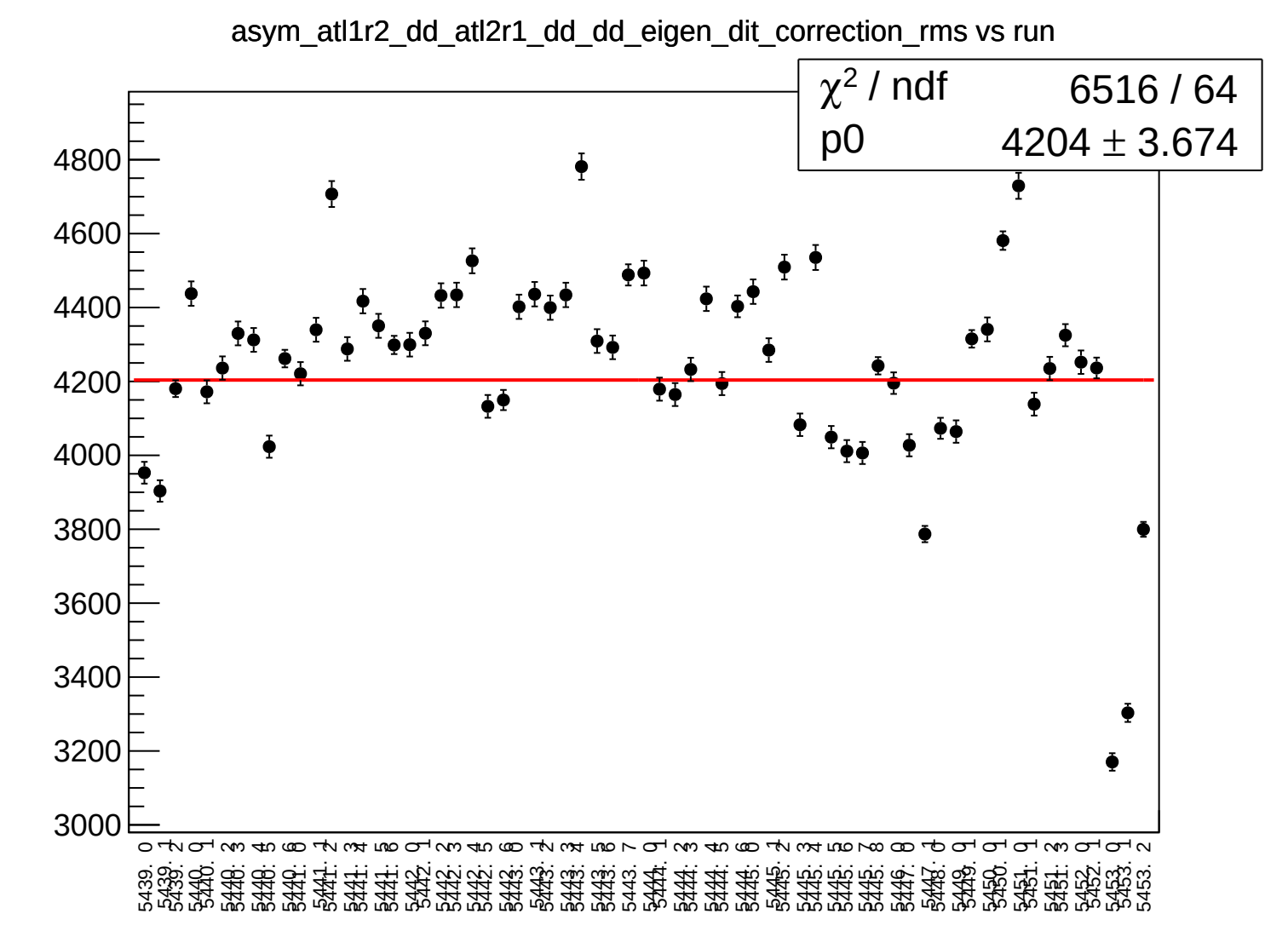

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 70.49 / 64
p0 8475 ± 3929
100
50
0
−50
−100
pull
Entries 65
Mean 28.66
Std Dev 41.17
3
2
1
0
−1
−2

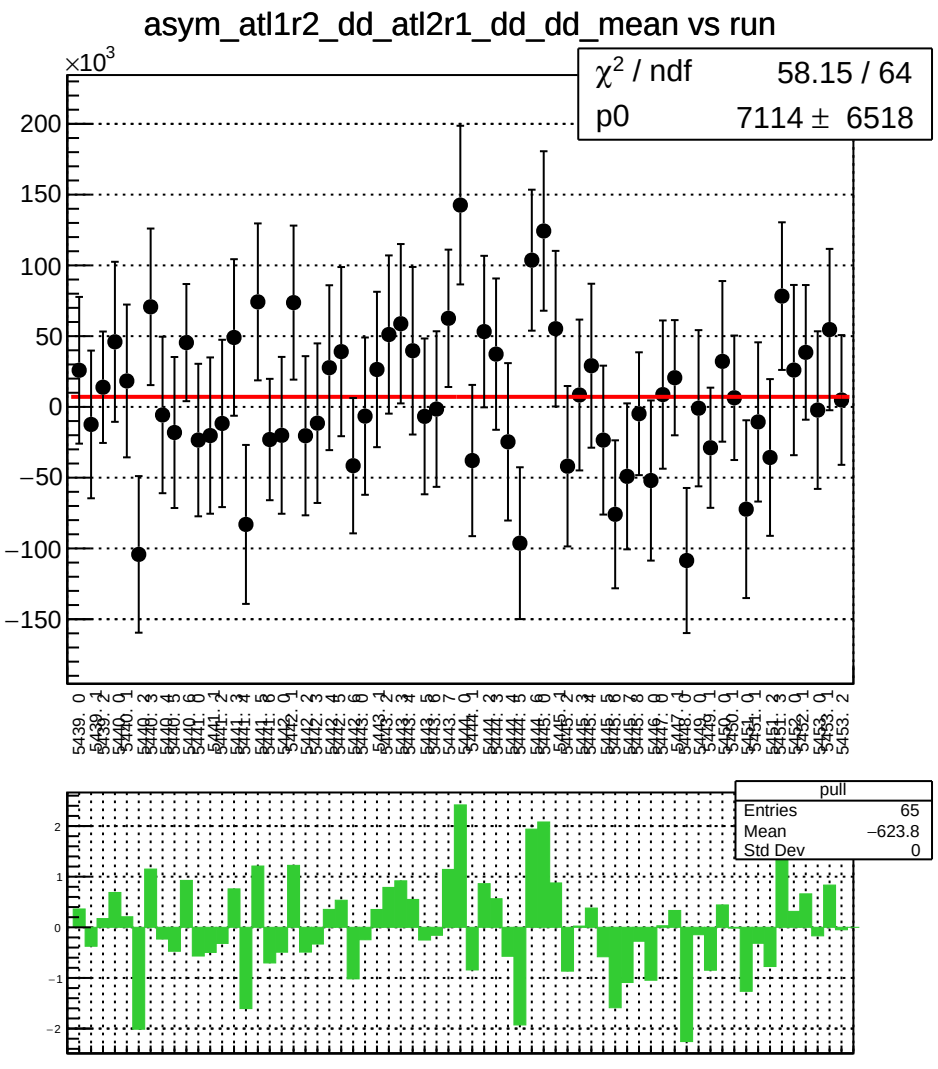

pull1D
Entries 65
Mean −0.02647
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

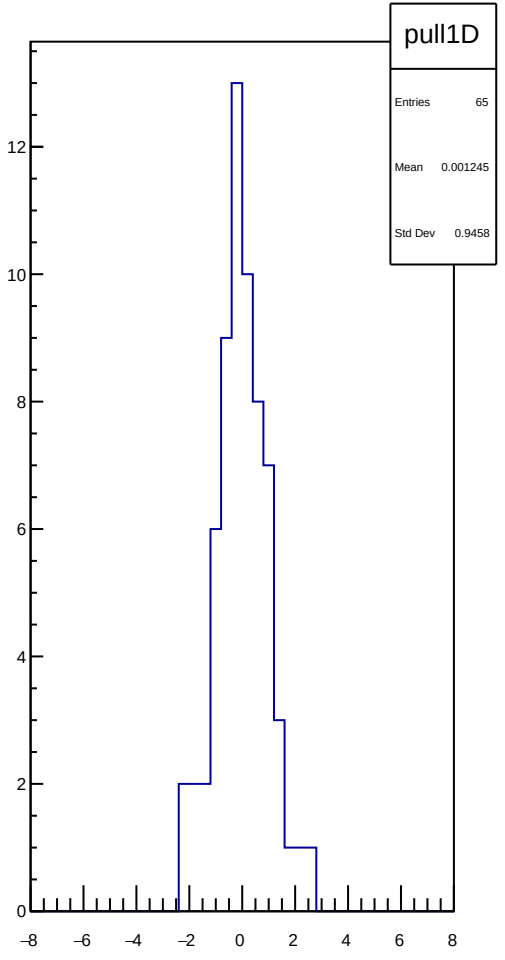

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 4398 / 64
p0 3181 ± 2.778
4200
4000
3800
3600
3400
3200
3000

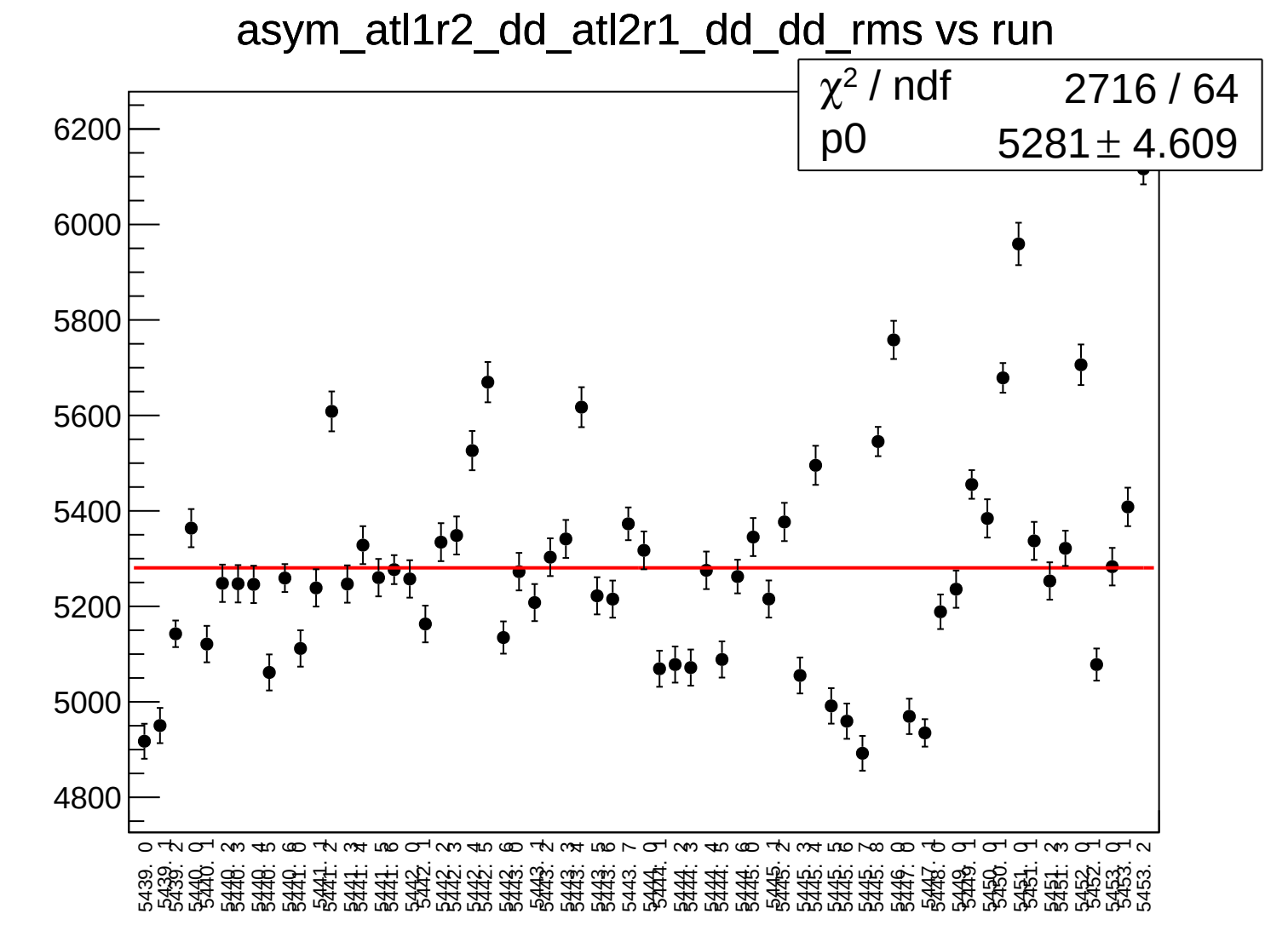

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.94 / 64
p0 1646 ± 5196
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −5.668
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

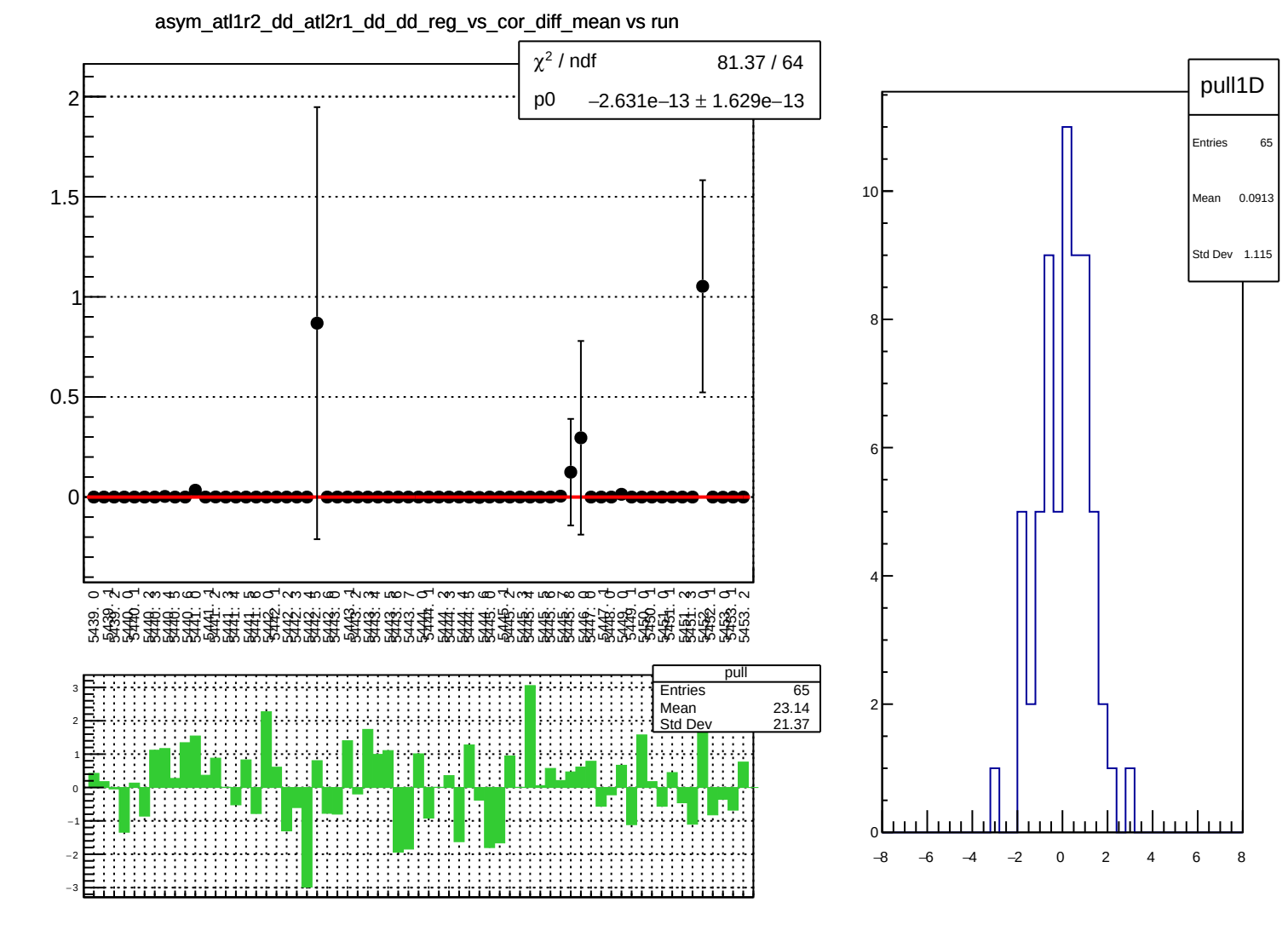

pull1D
Entries 65
Mean −0.02488
Std Dev 0.8584
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

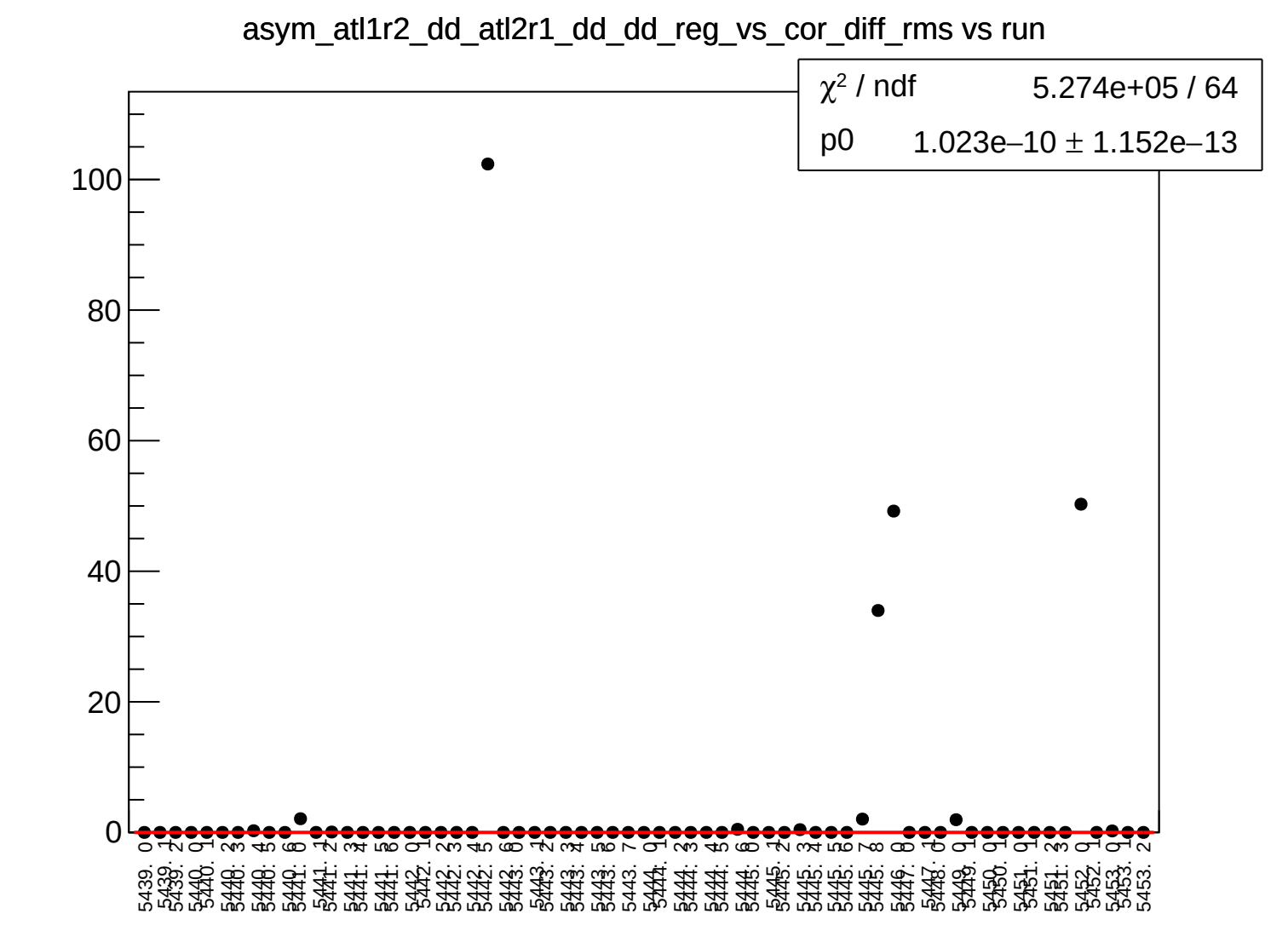

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 6516 / 64
p0 4204 ± 3.674
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

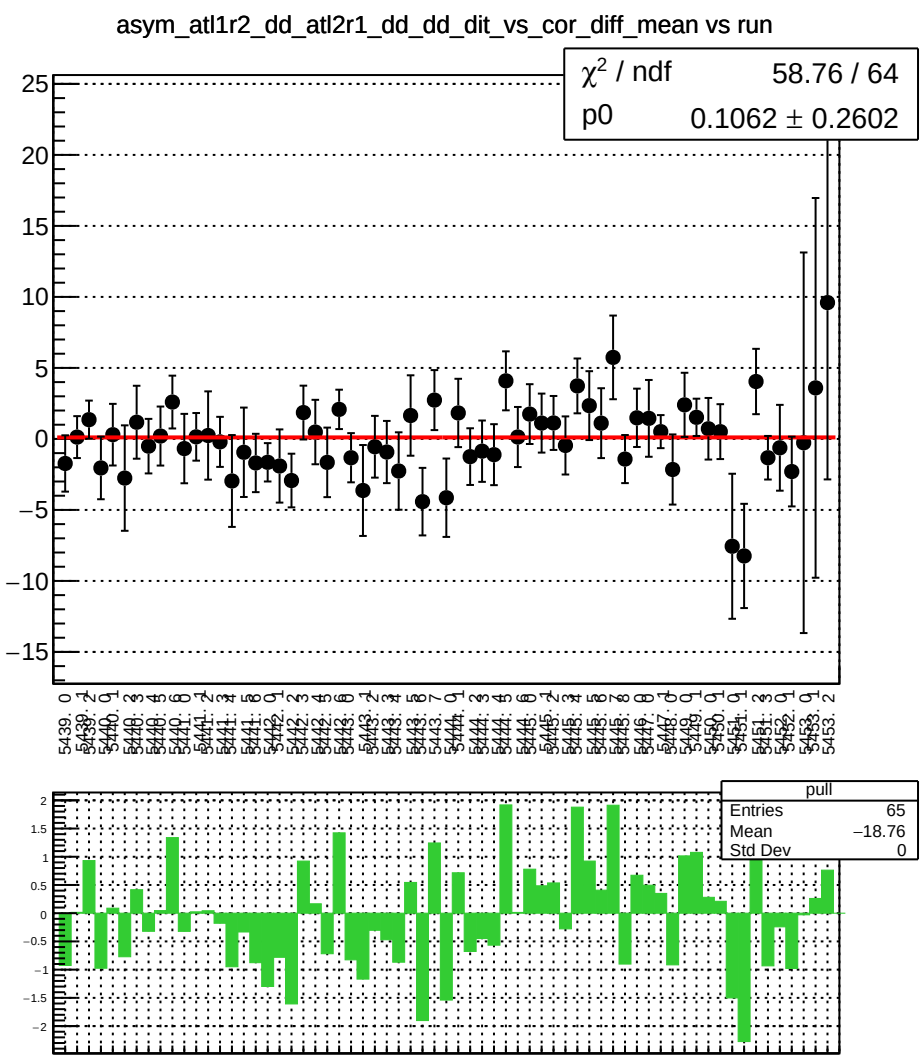

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 58.15 / 64
p0 7114 ± 6518
200
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −623.8
Std Dev 0
2
1
0
−1
−2

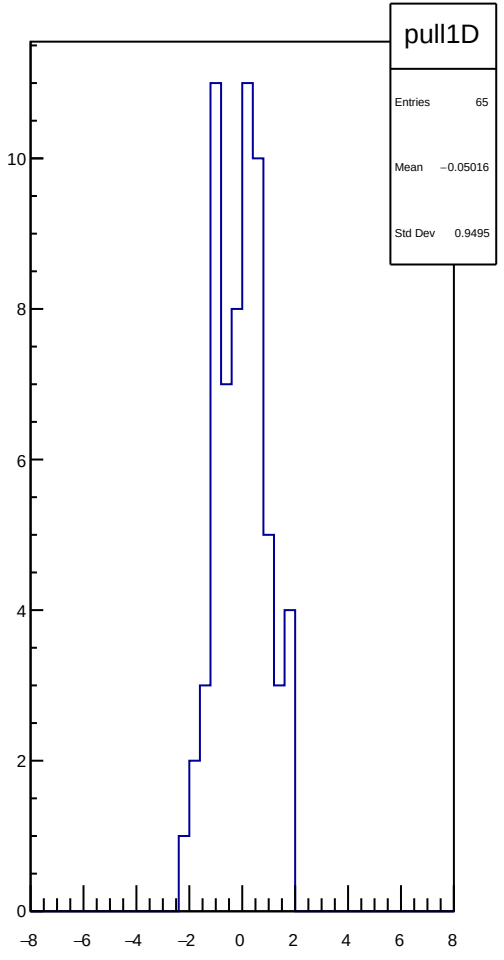

pull1D
Entries 65
Mean 0.001245
Std Dev 0.9458
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

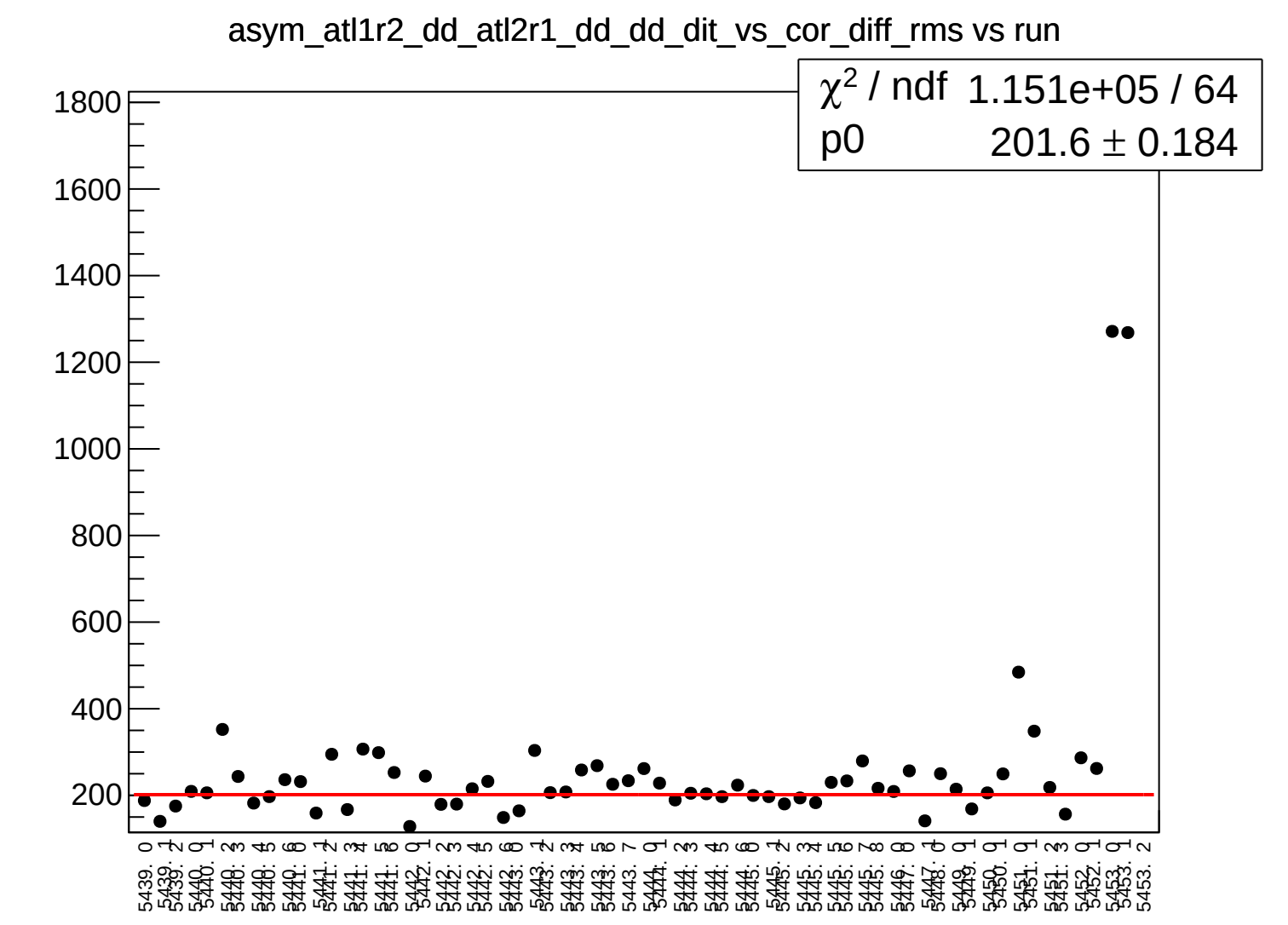

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2716 / 64
p0 5281 ± 4.609
6200
6000
5800
5600
5400
5200
5000
4800

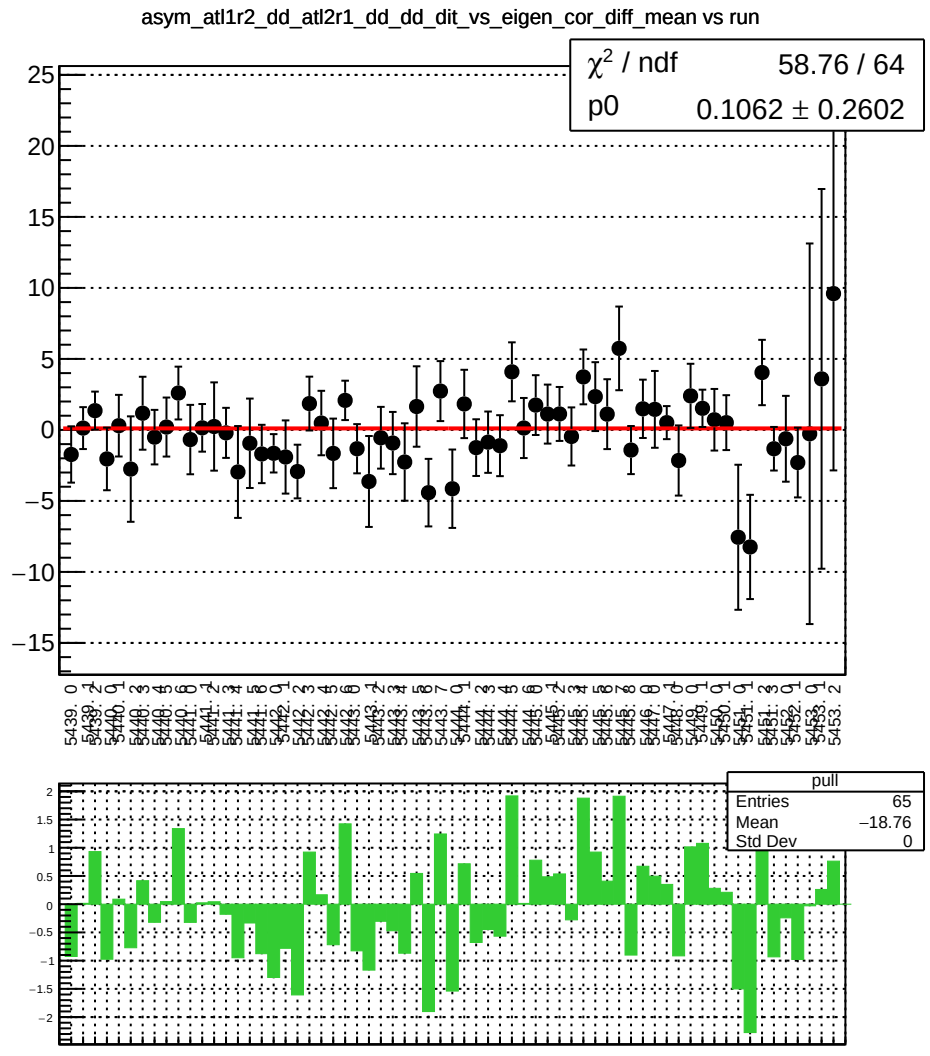

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.37 / 64
p0 −2.631e−13 ± 1.629e−13
pull
Entries 65
Mean 23.14
Std Dev 21.37
pull1D
Entries 65
Mean 0.0913
Std Dev 1.115

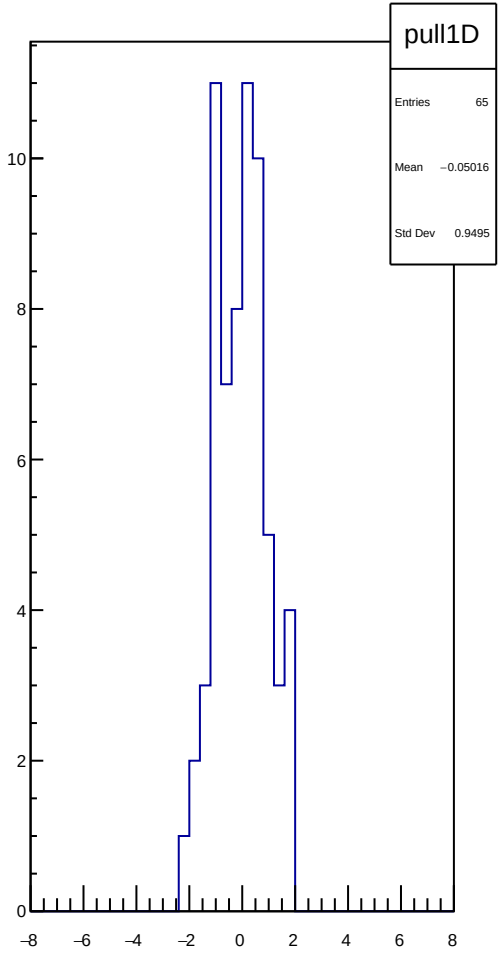

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.274e+05 / 64
p0 1.023e−10 ± 1.152e−13
100
80
60
40
20
0

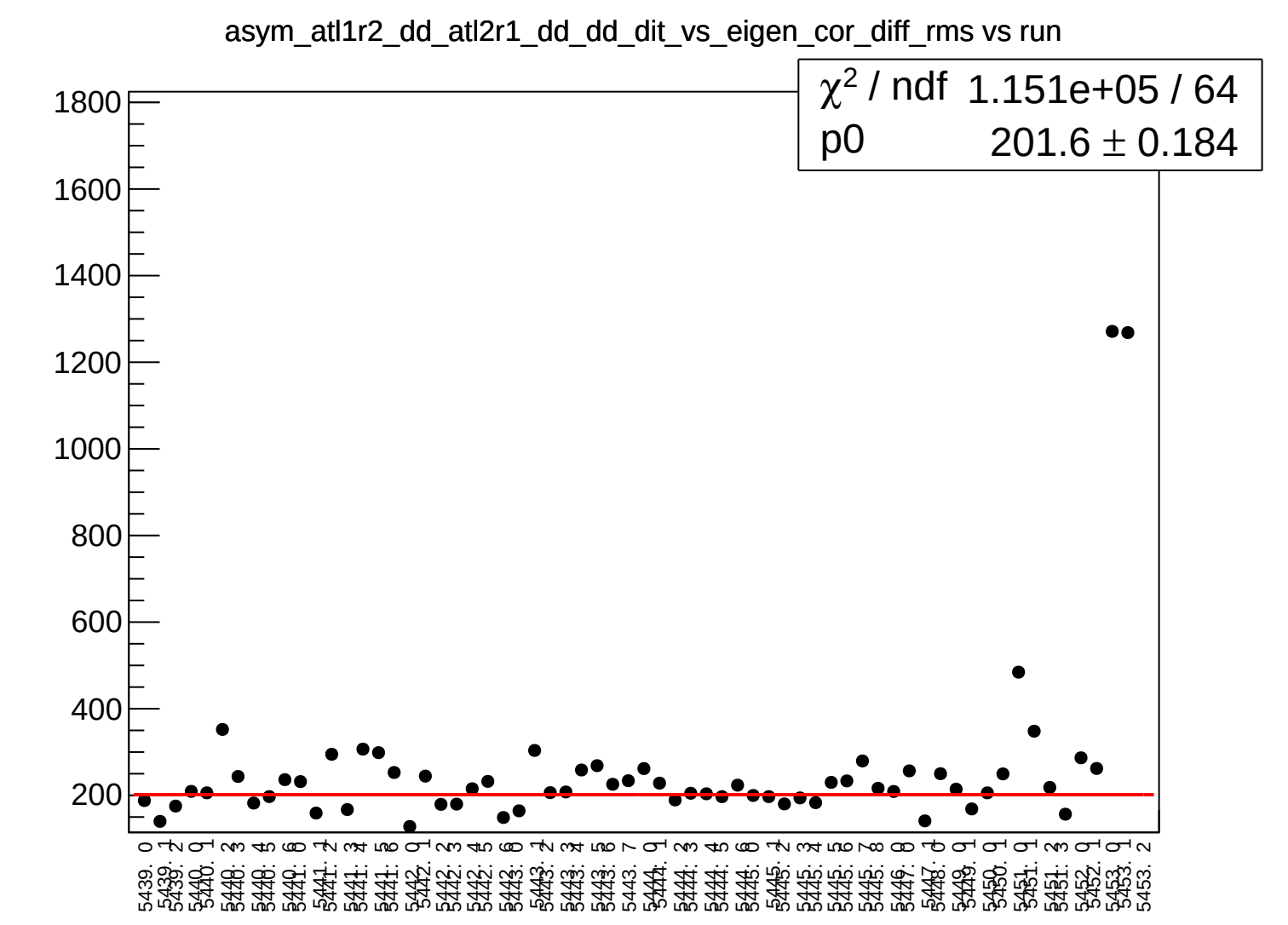

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.76
Std Dev 0

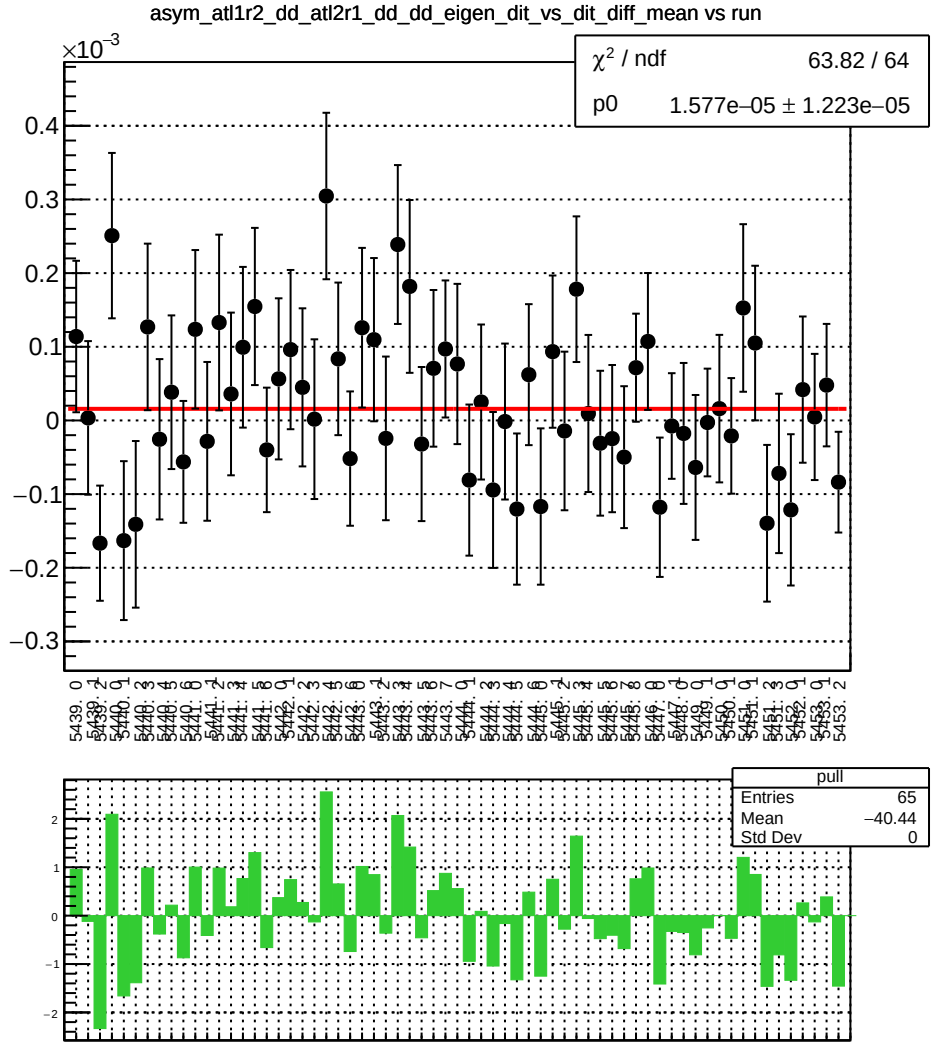

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

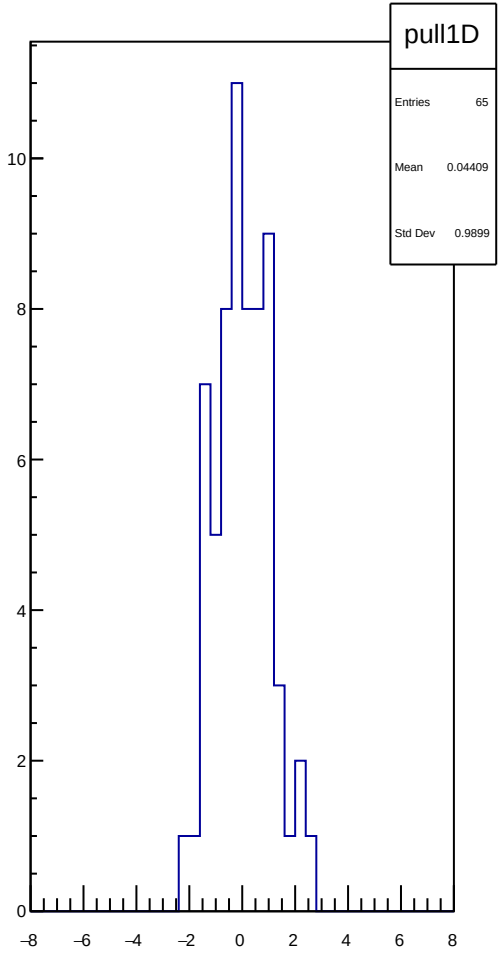

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

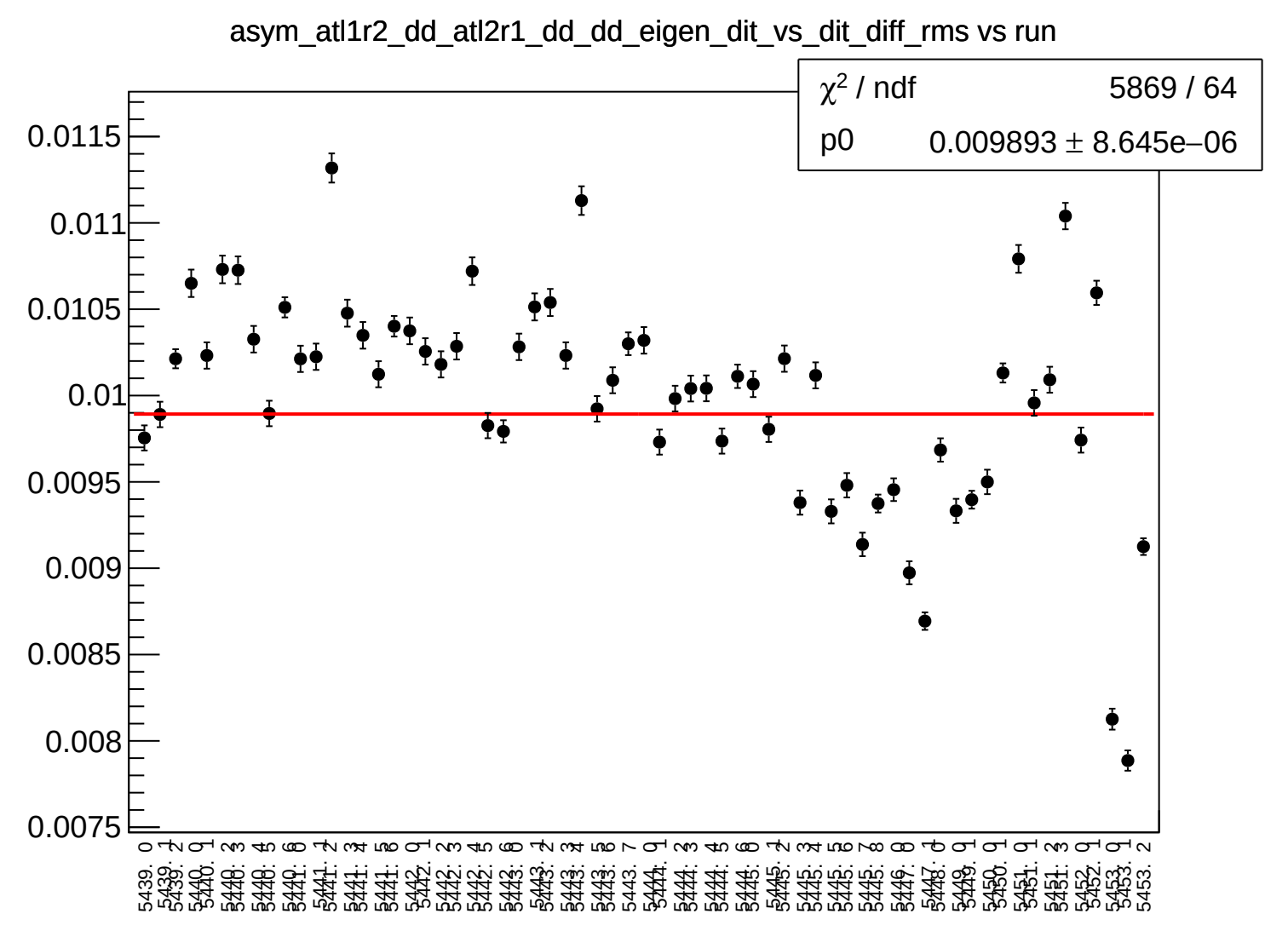

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.76
Std Dev 0

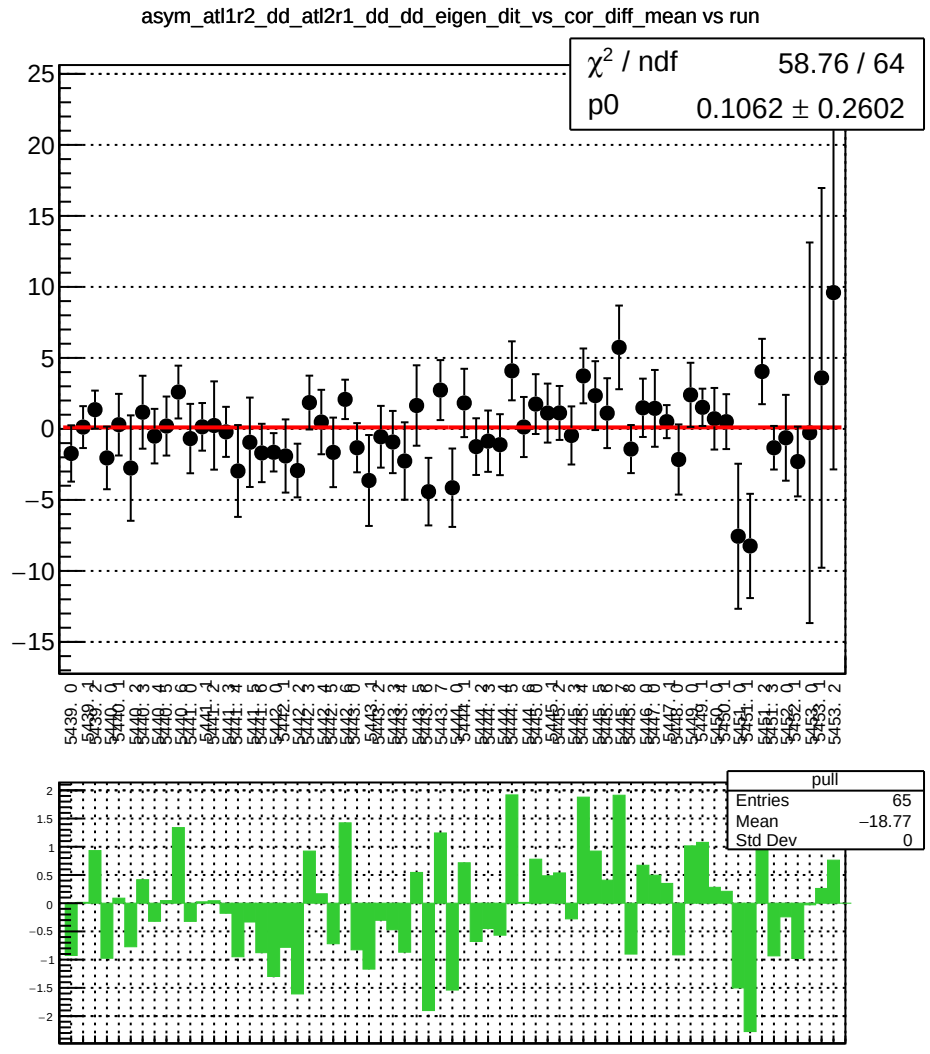

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

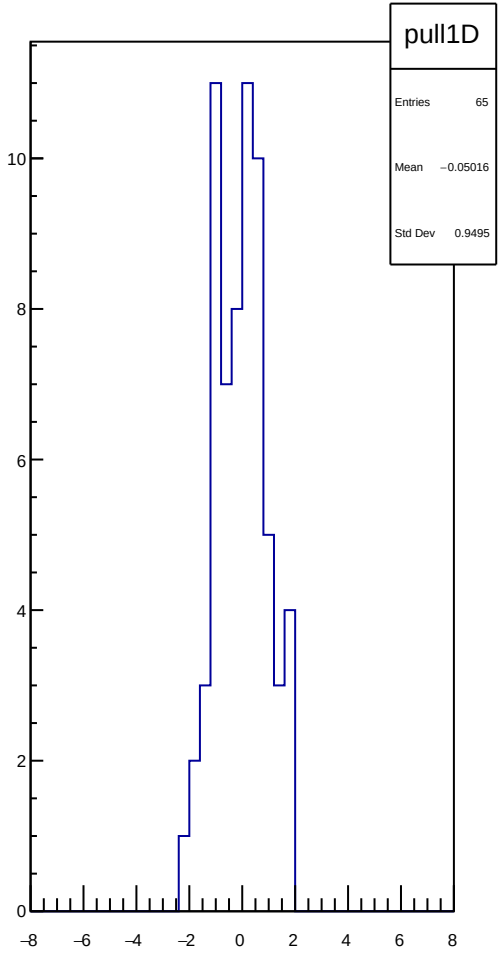

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

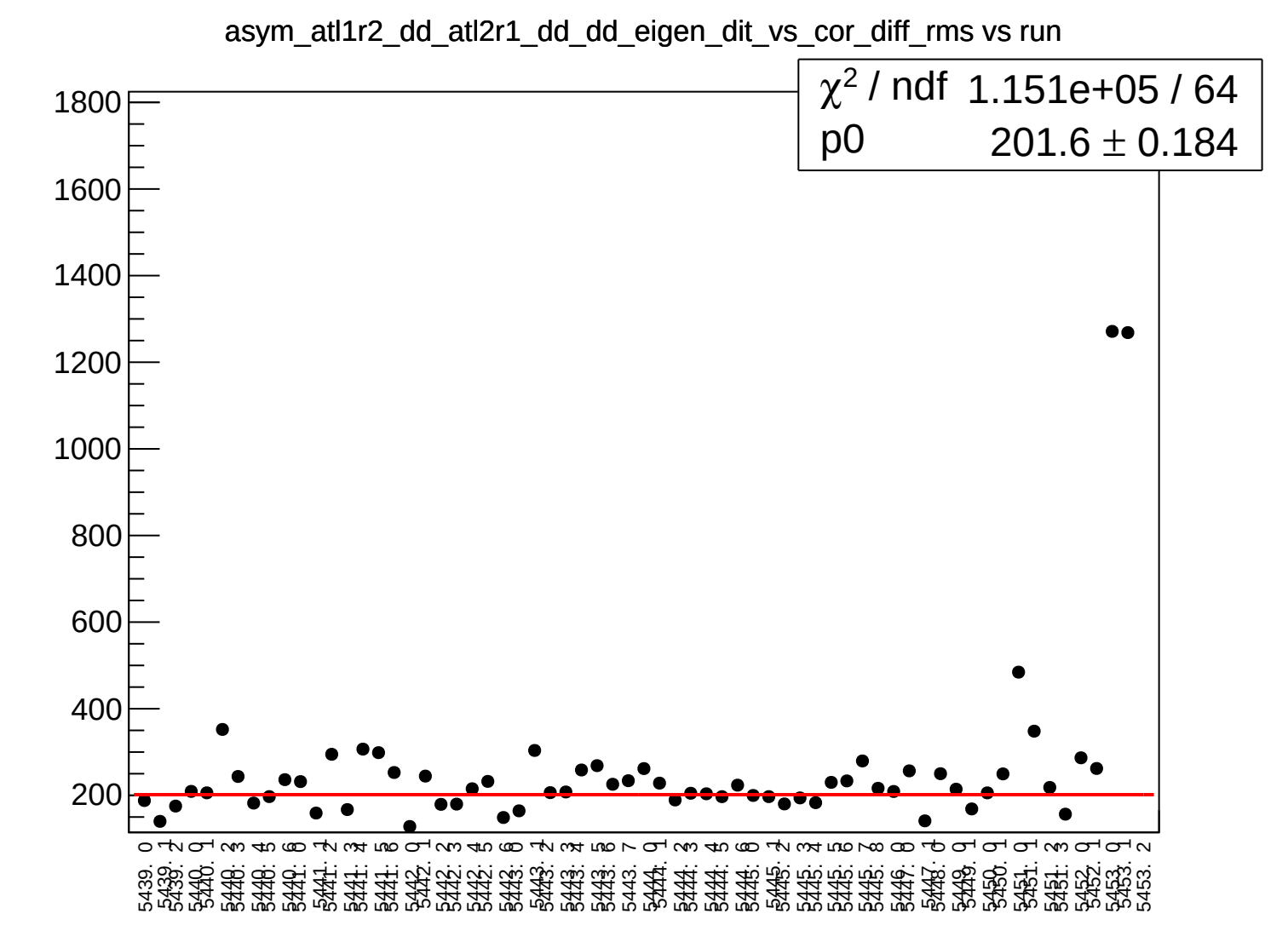

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.82 / 64
p0 1.577e−05 ± 1.223e−05
pull
Entries 65
Mean −40.44
Std Dev 0

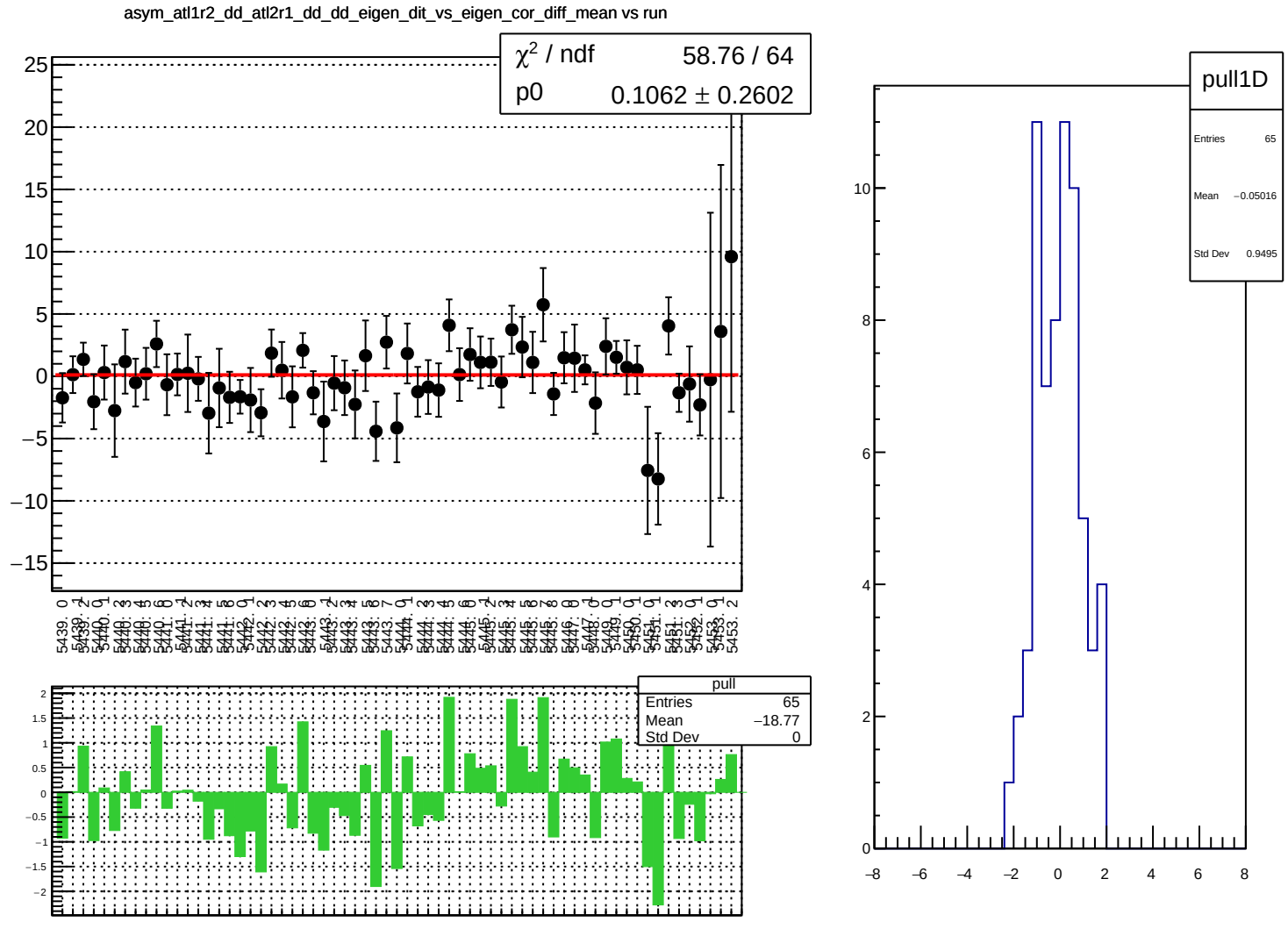

pull1D
Entries 65
Mean 0.04409
Std Dev 0.9899

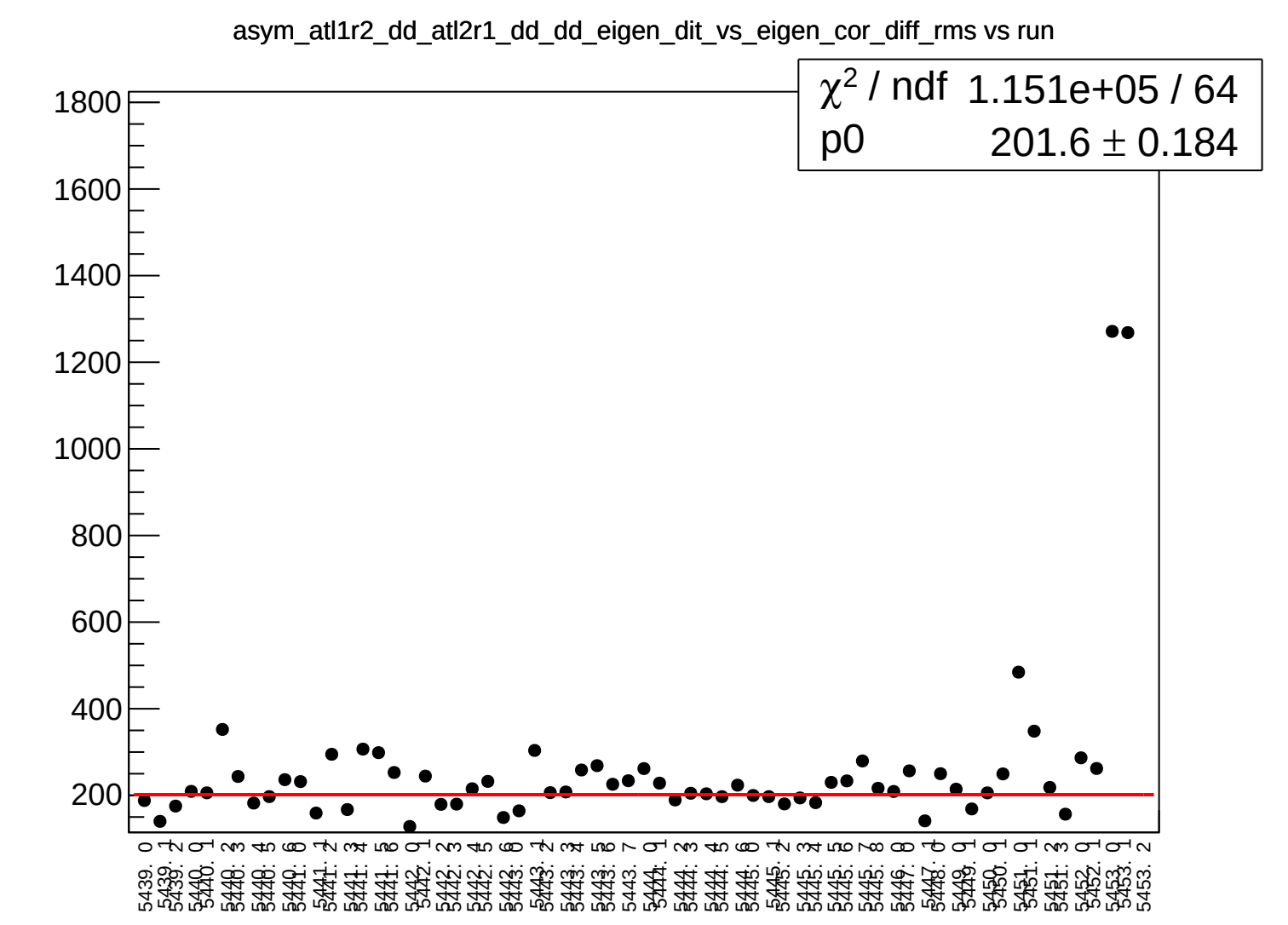

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5869 / 64
p0 0.009893 ± 8.645e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075

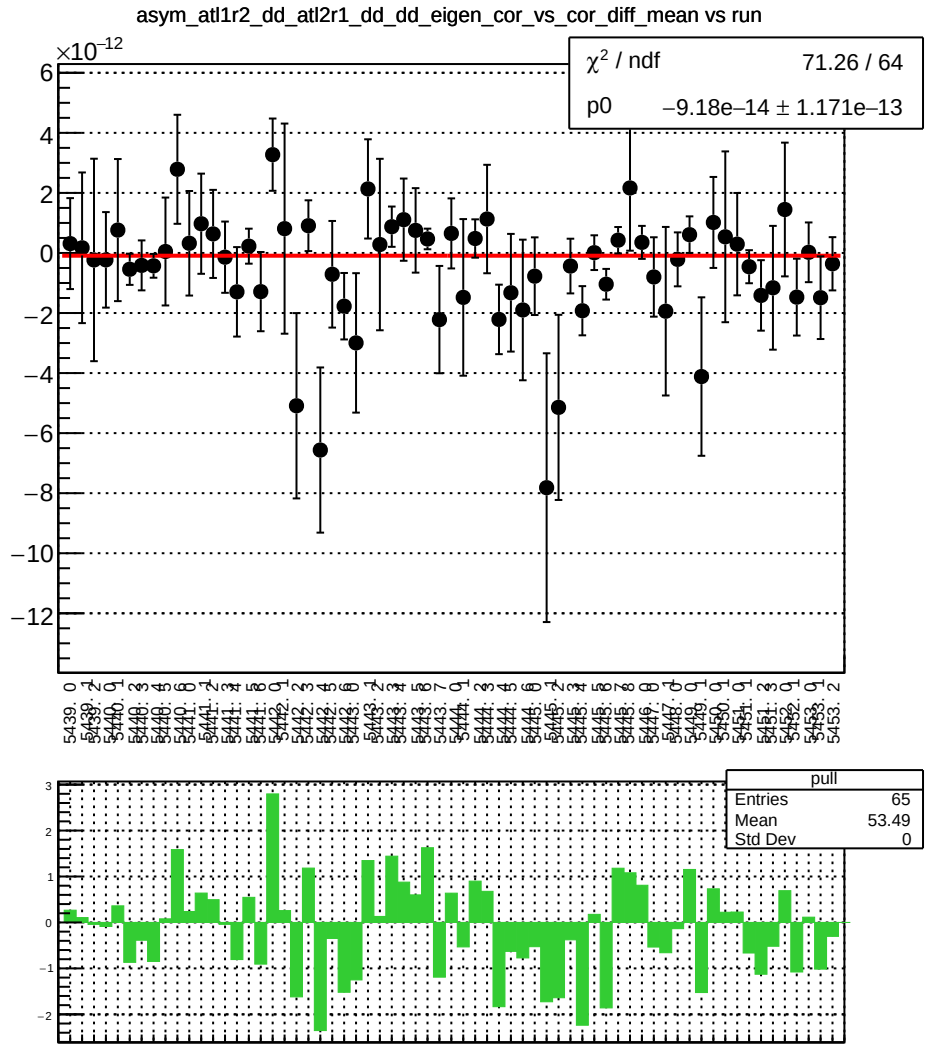

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.77
Std Dev 0

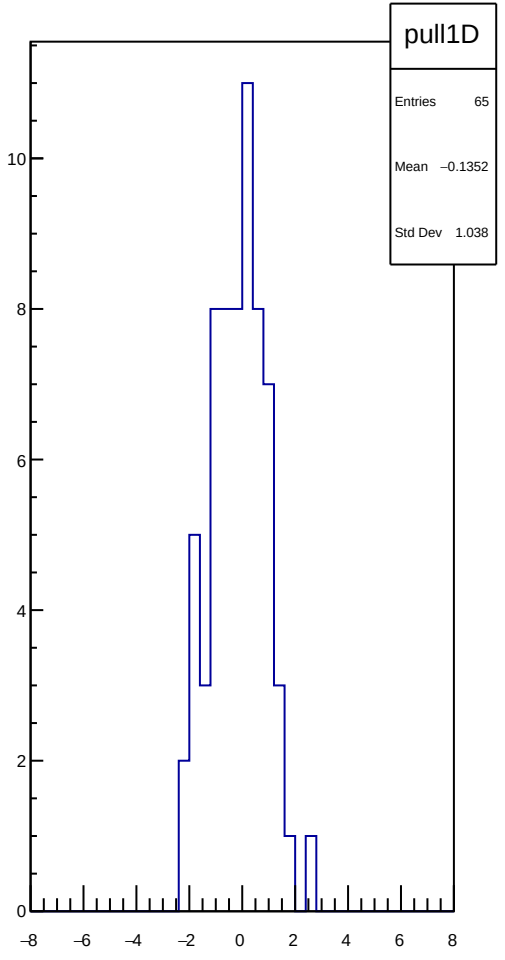

pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

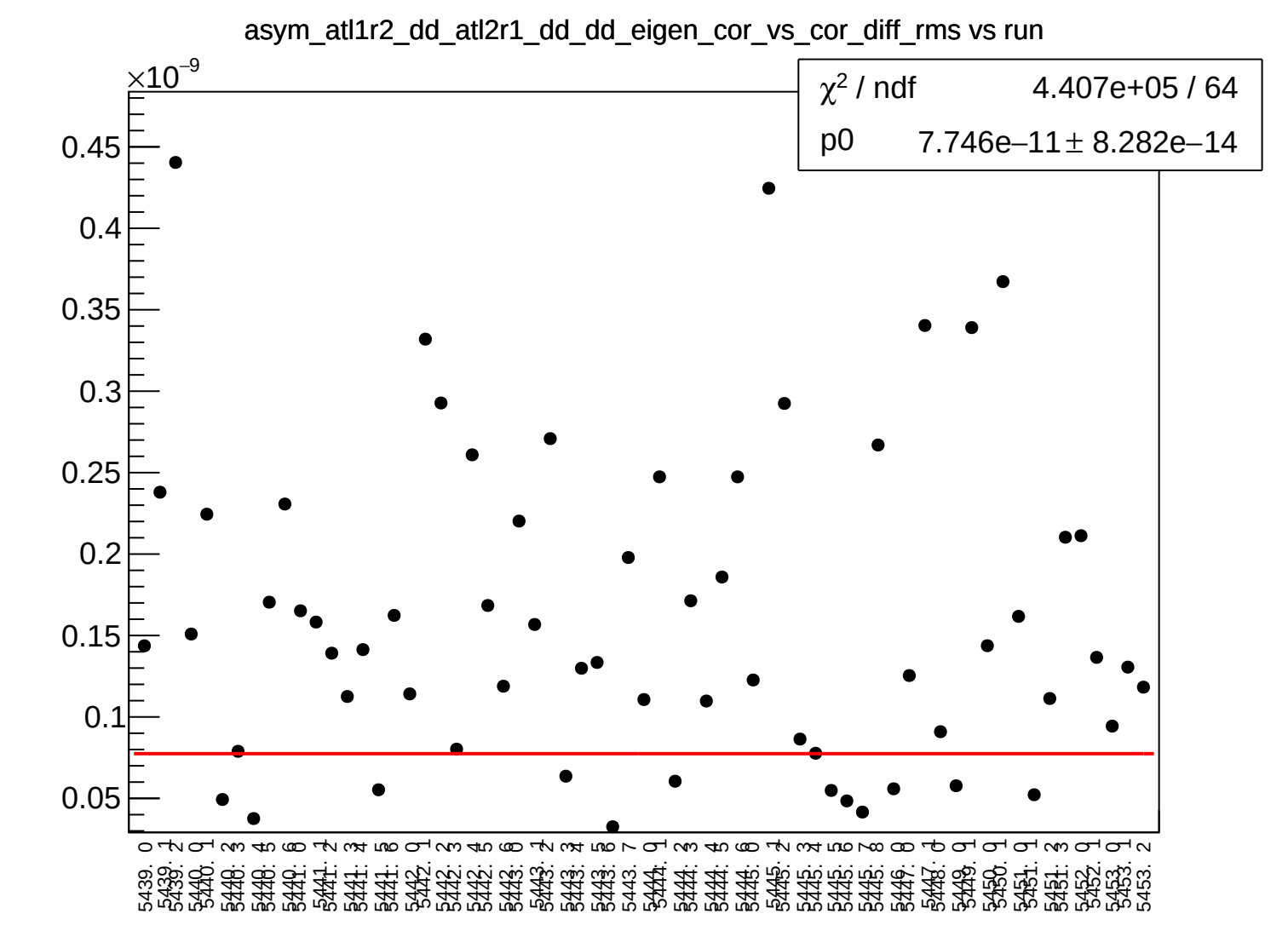

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

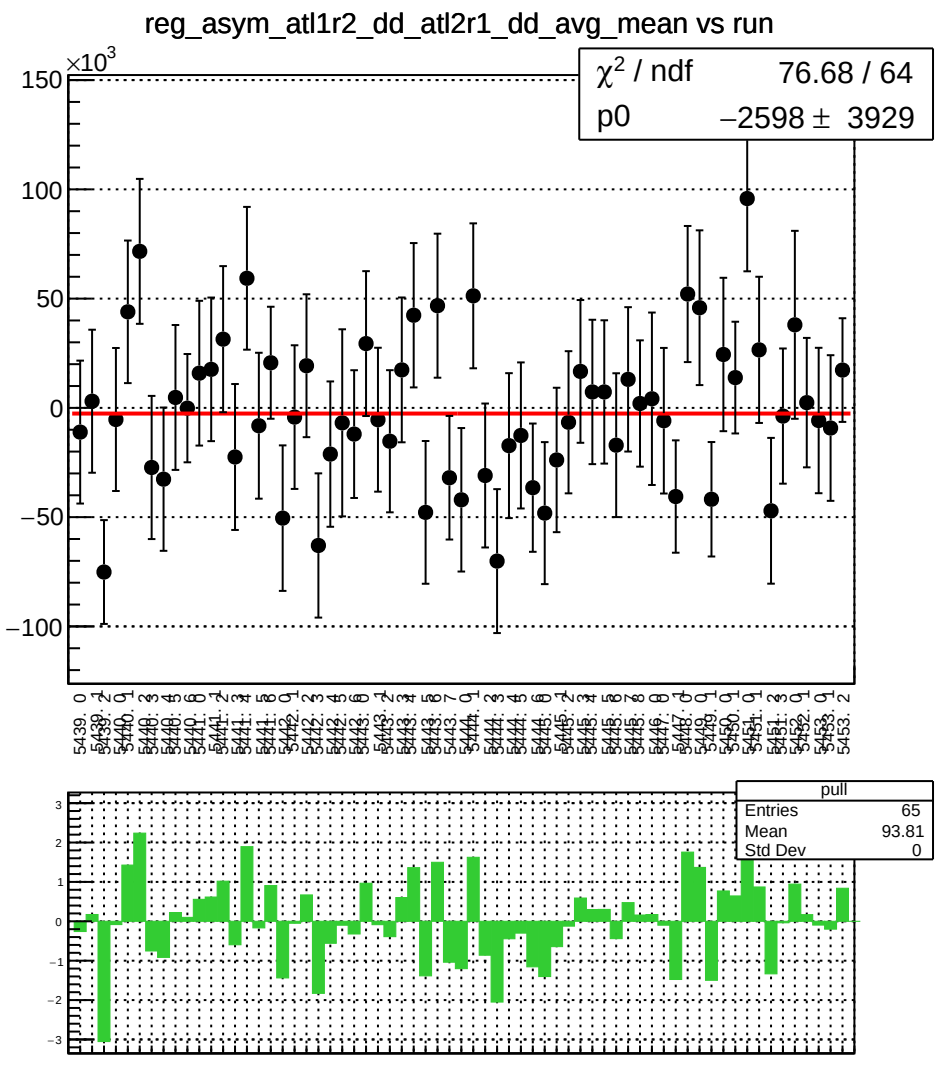

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.76 / 64
p0 0.1062 ± 0.2602
pull
Entries 65
Mean −18.77
Std Dev 0
pull1D
Entries 65
Mean −0.05016
Std Dev 0.9495

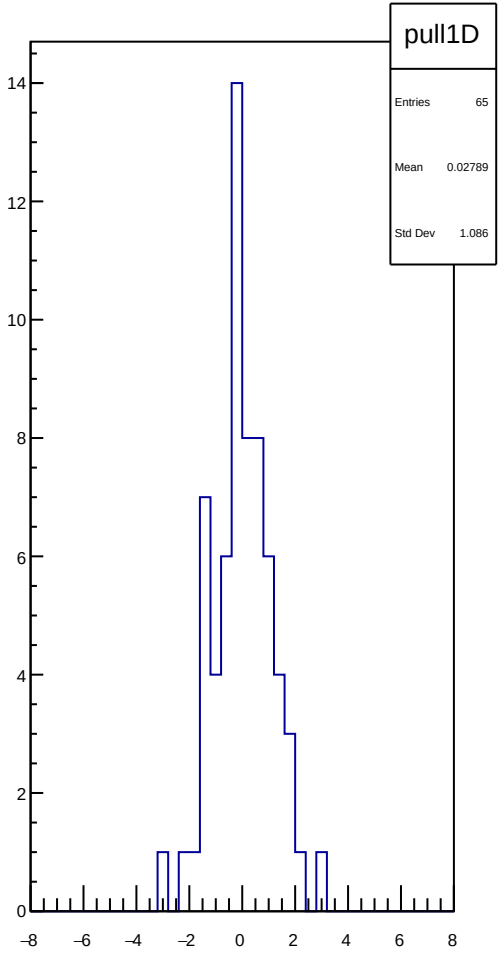

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.151e+05 / 64
p0 201.6 ± 0.184
1800
1600
1400
1200
1000
800
600
400
200

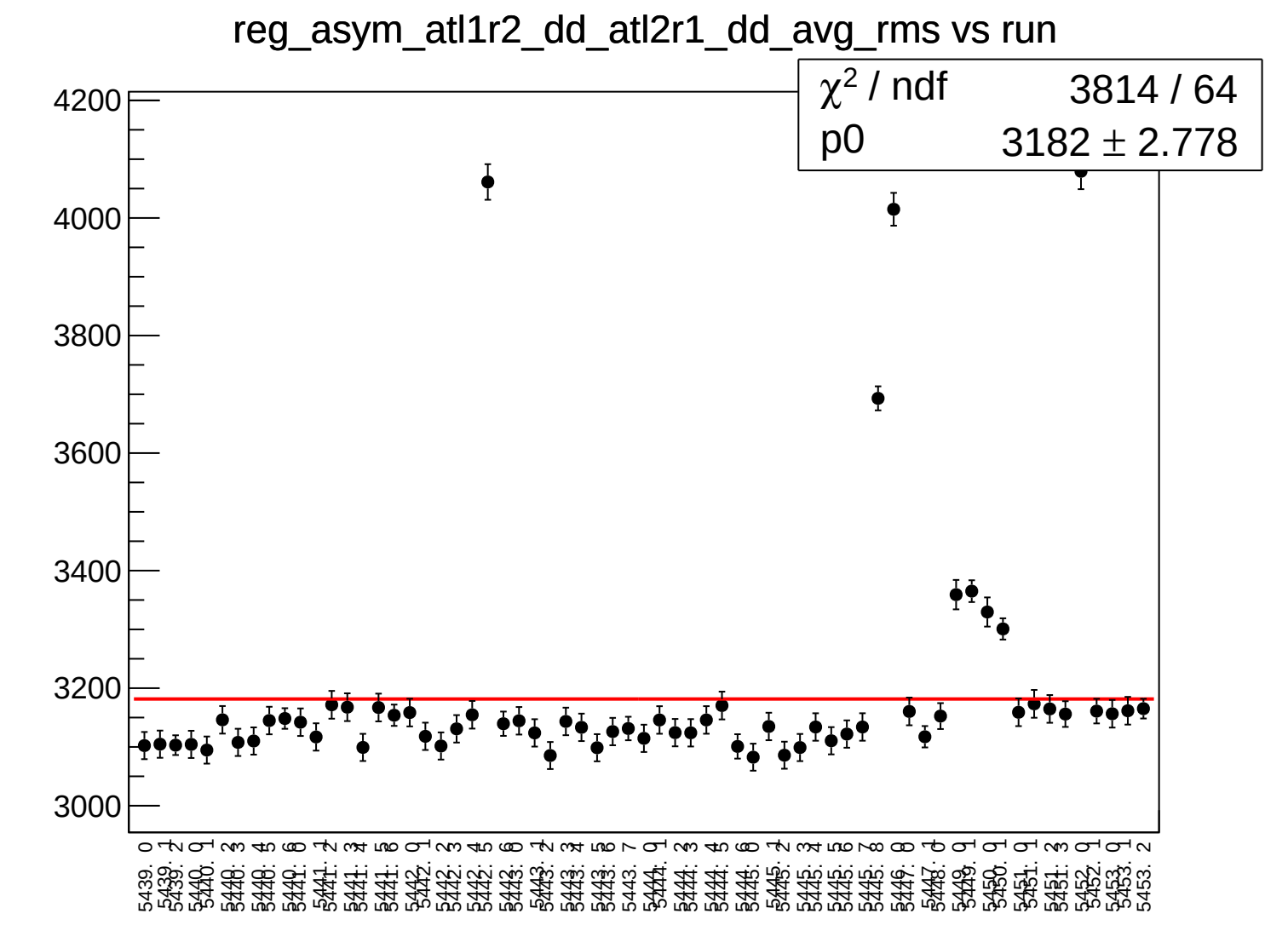

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.26 / 64
p0 −9.18e−14 ± 1.171e−13
pull
Entries 65
Mean 53.49
Std Dev 0

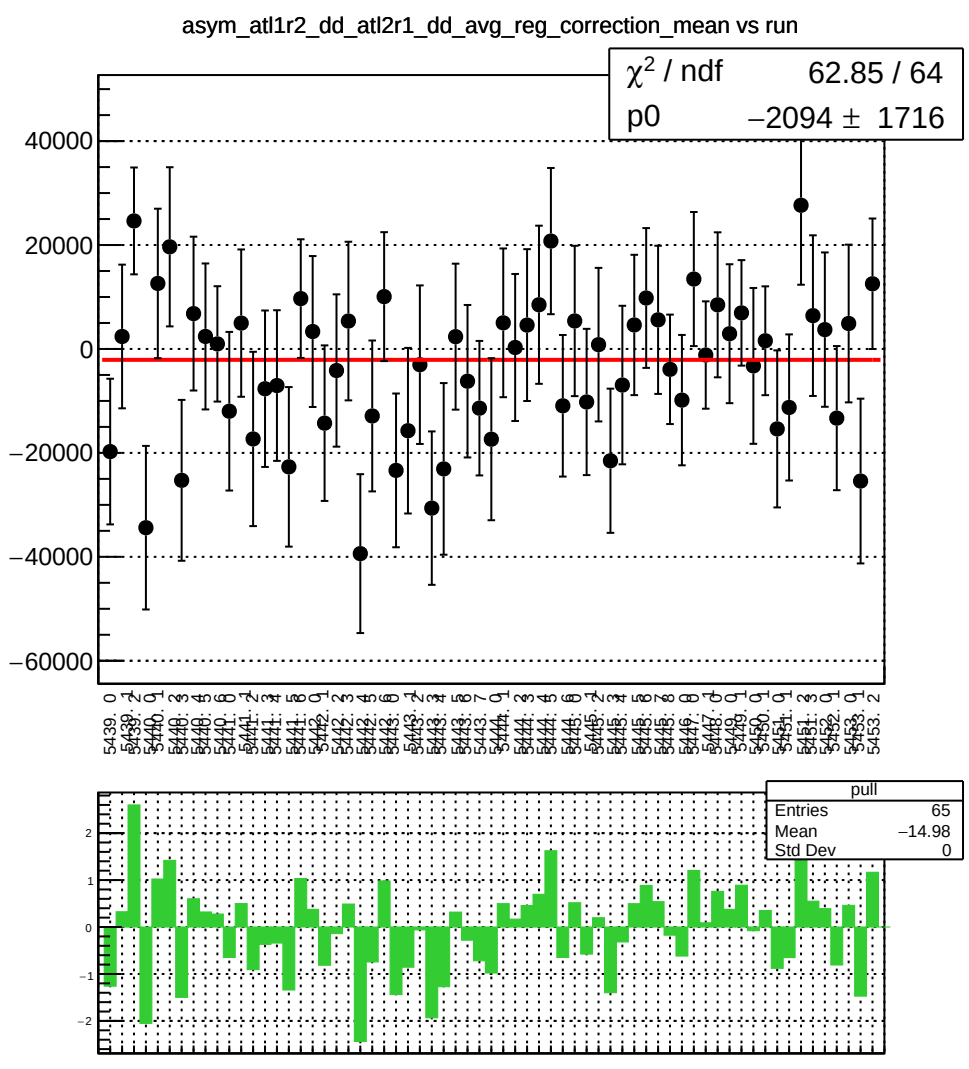

pull1D
Entries 65
Mean −0.1352
Std Dev 1.038

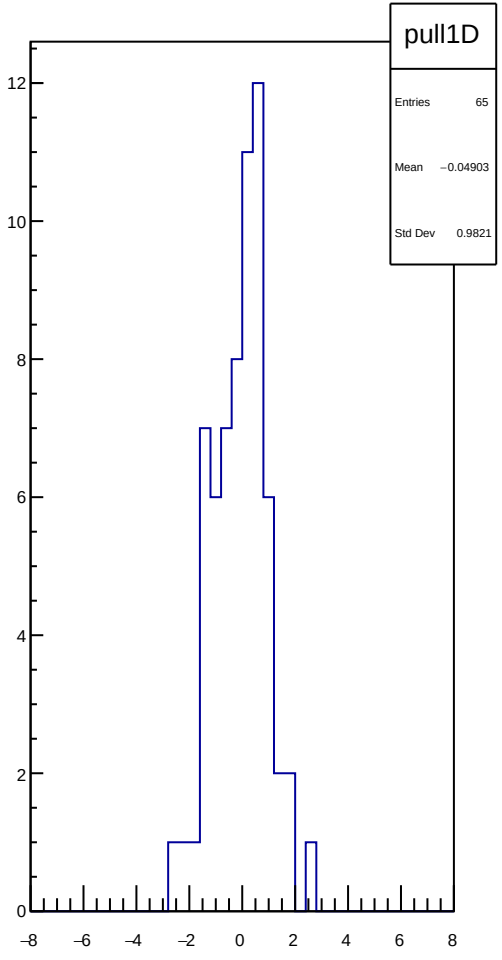

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.407e+05 / 64
p0 7.746e−11 ± 8.282e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

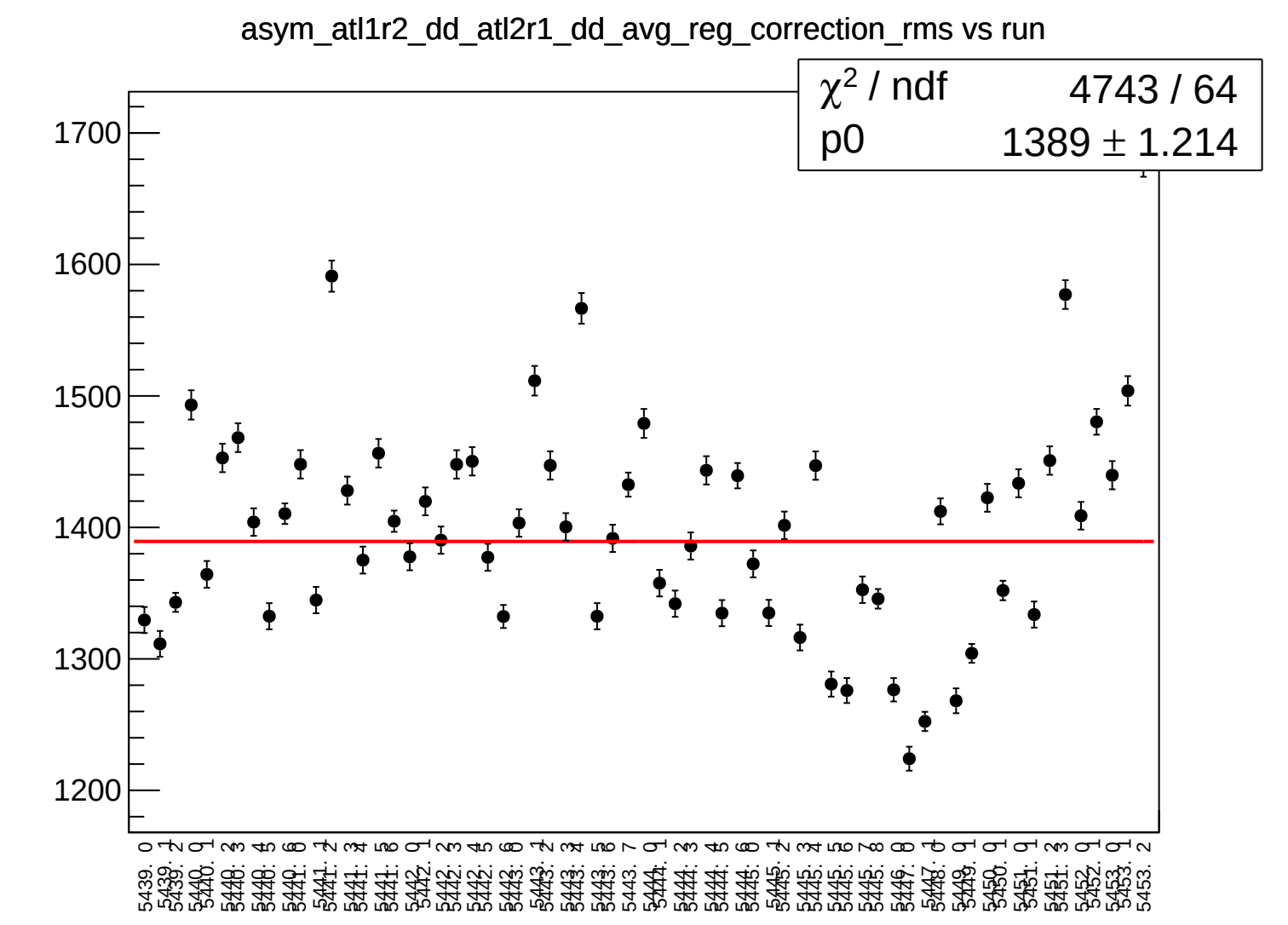

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 76.68 / 64
p0 −2598 ± 3929
150
100
50
0
−50
−100
pull
Entries 65
Mean 93.81
Std Dev 0
3
2
1
0
−1
−2
−3

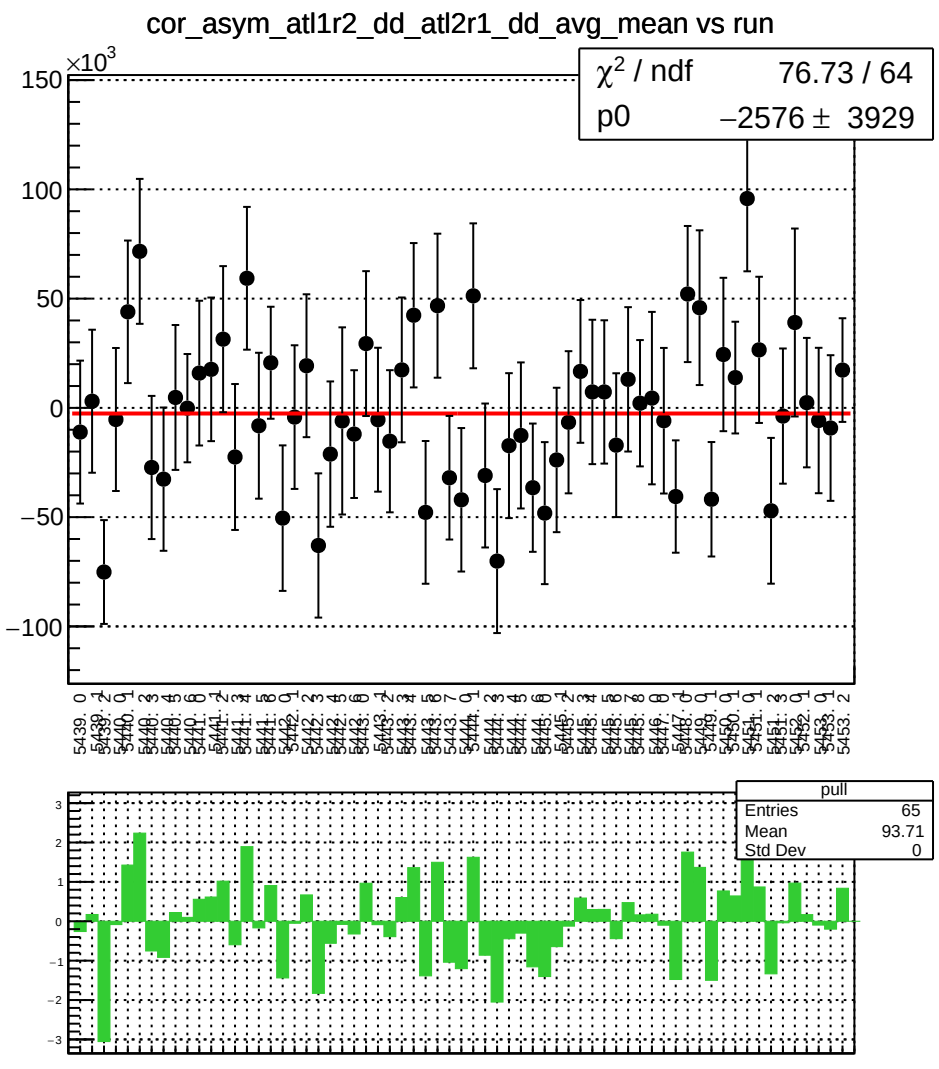

pull1D
Entries 65
Mean 0.02789
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

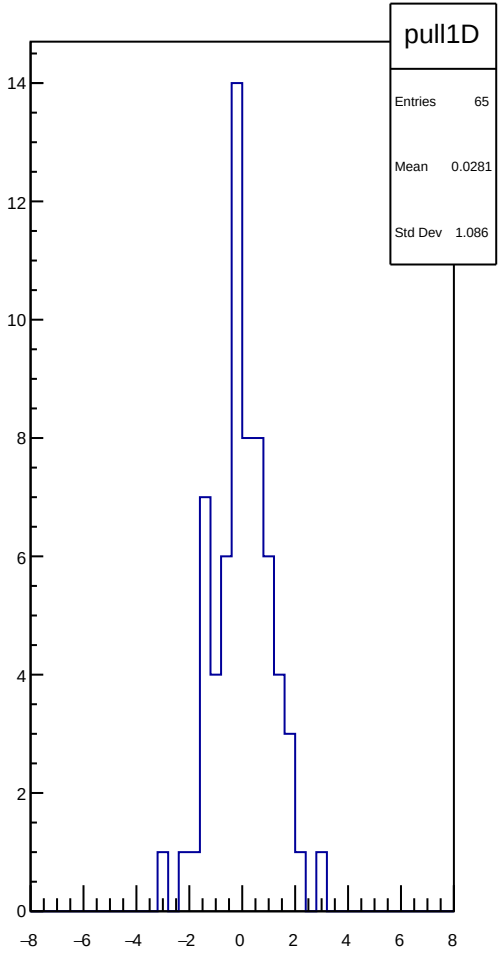

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 3814 / 64
p0 3182 ± 2.778
4200
4000
3800
3600
3400
3200
3000

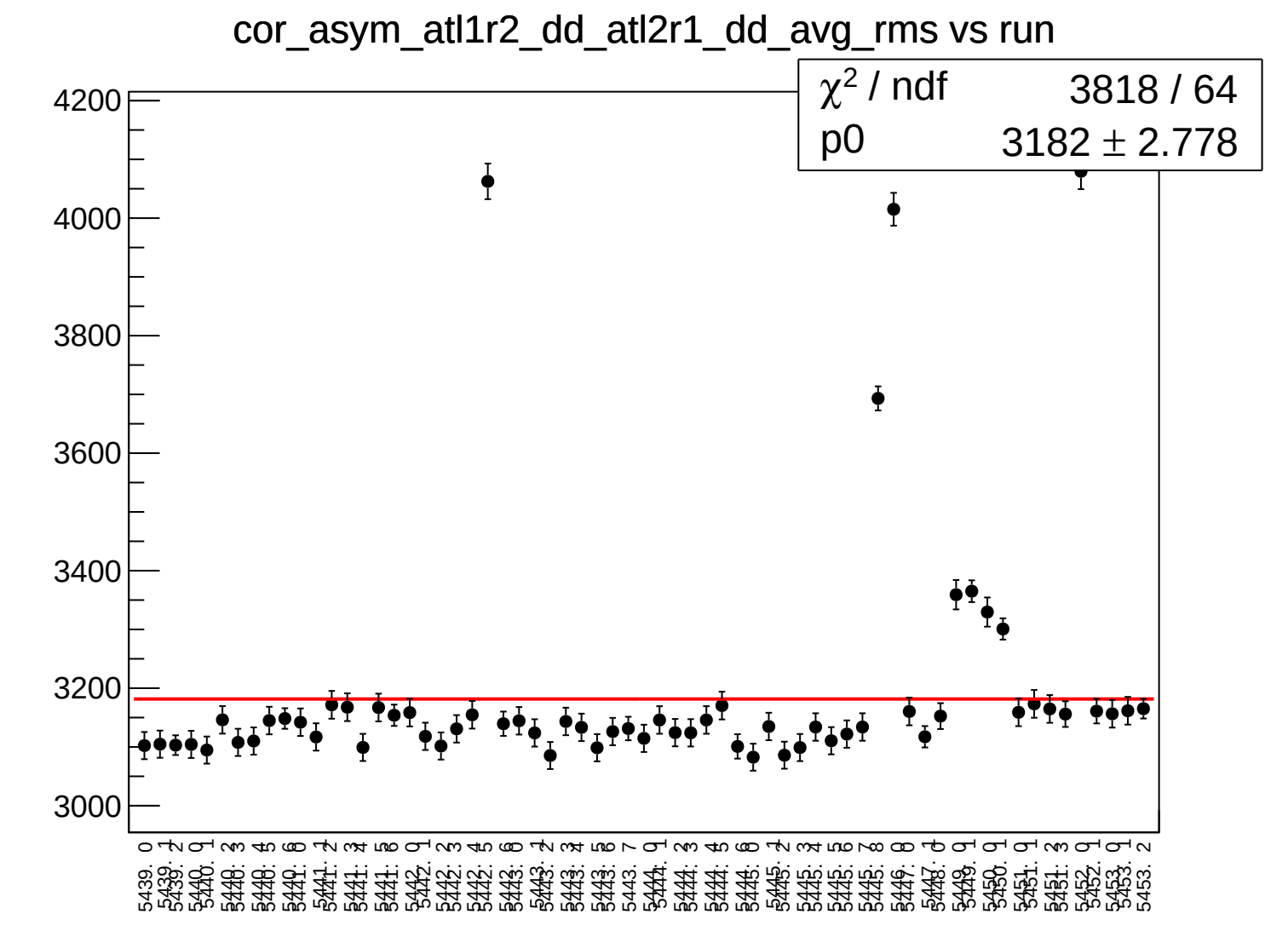

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 62.85 / 64
p0 −2094 ± 1716
pull
Entries 65
Mean −14.98
Std Dev 0

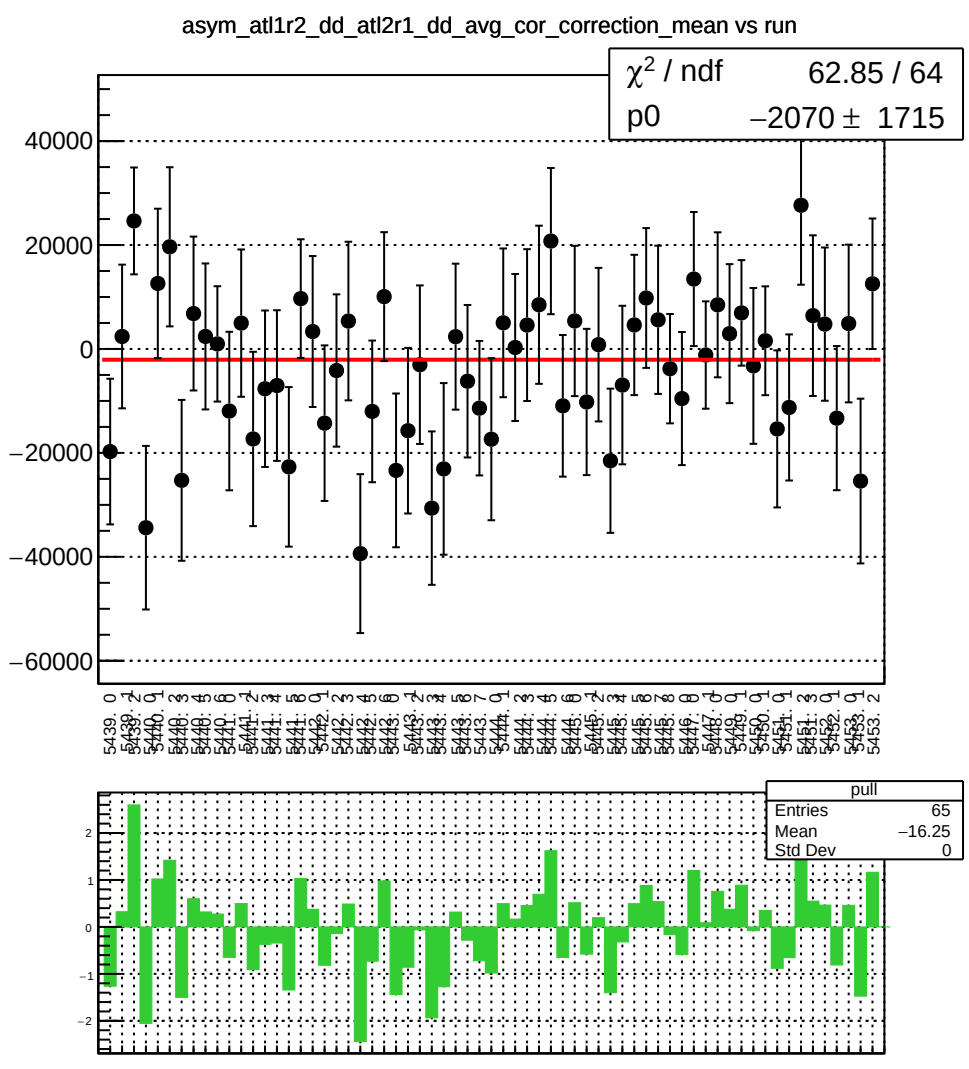

pull1D
Entries 65
Mean −0.04903
Std Dev 0.9821

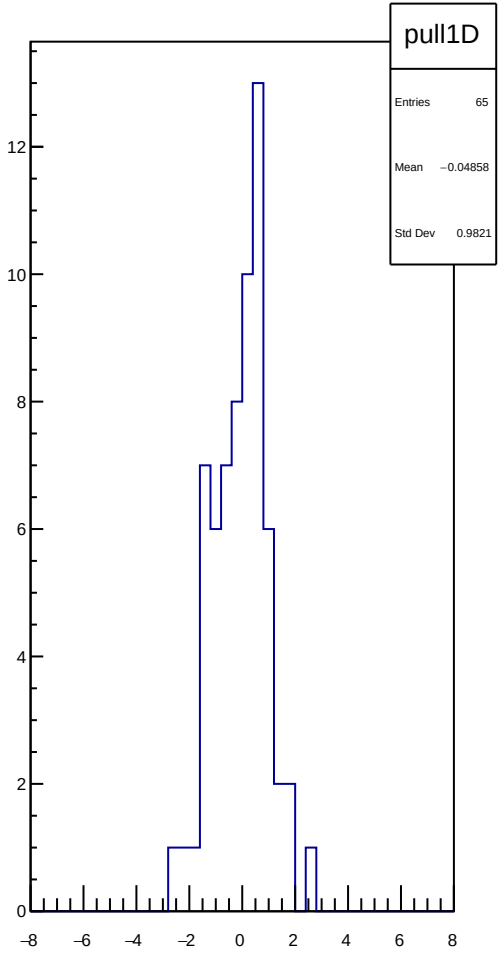

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 4743 / 64
p0 1389 ± 1.214
1700
1600
1500
1400
1300
1200

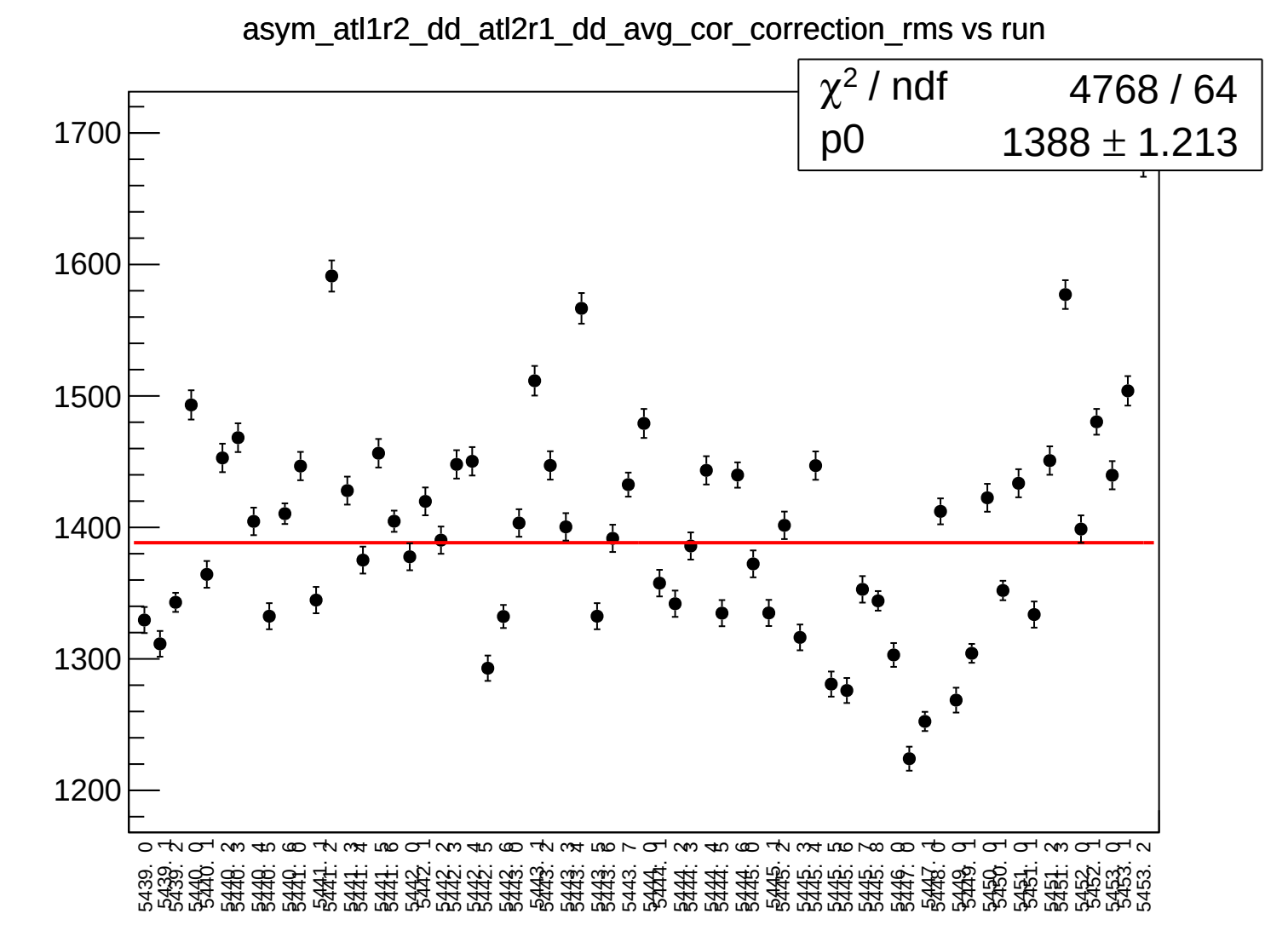

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 76.73 / 64
p0 −2576 ± 3929
150
100
50
0
−50
−100
pull
Entries 65
Mean 93.71
Std Dev 0
3
2
1
0
−1
−2
−3

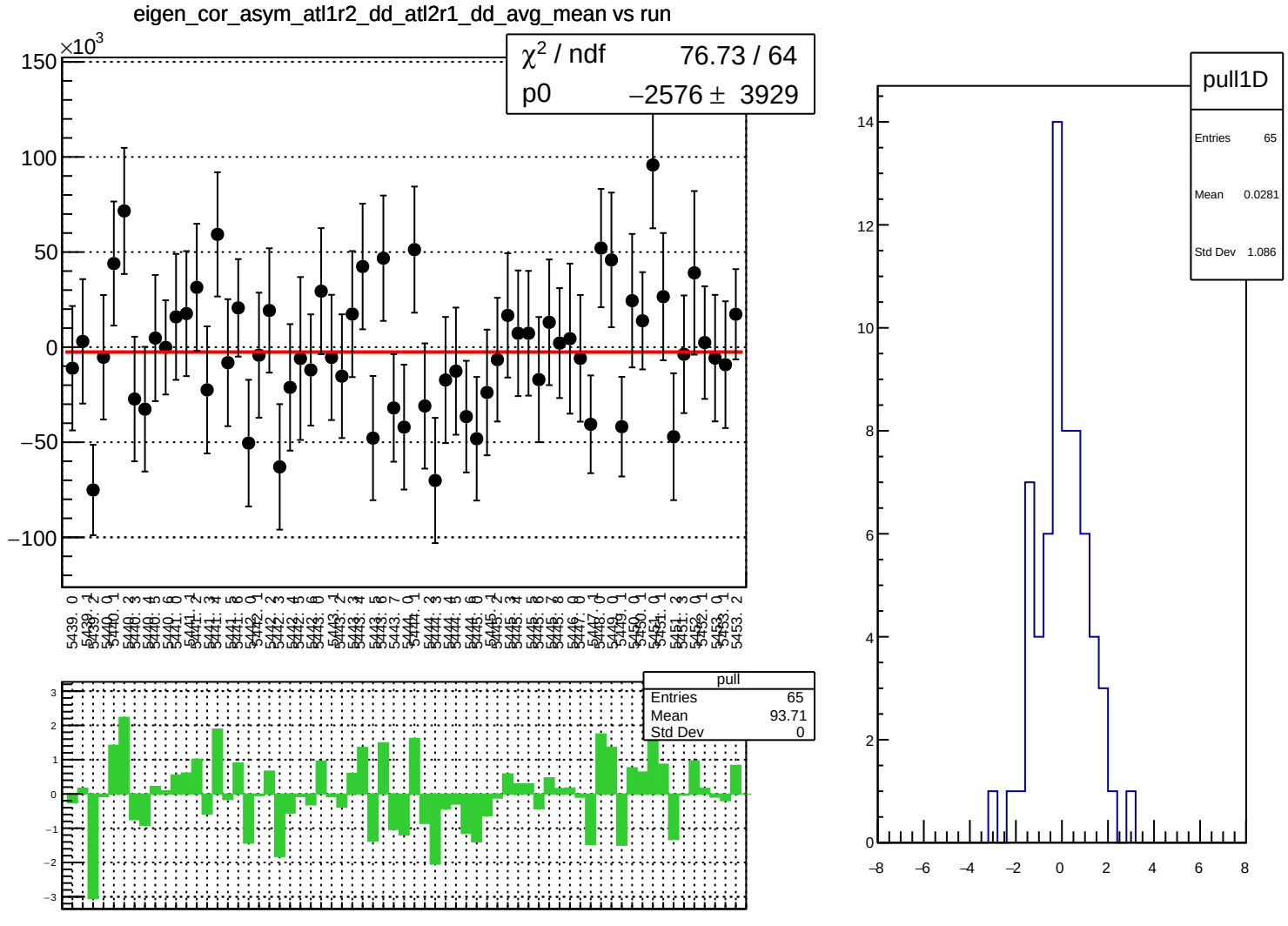

pull1D
Entries 65
Mean 0.0281
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

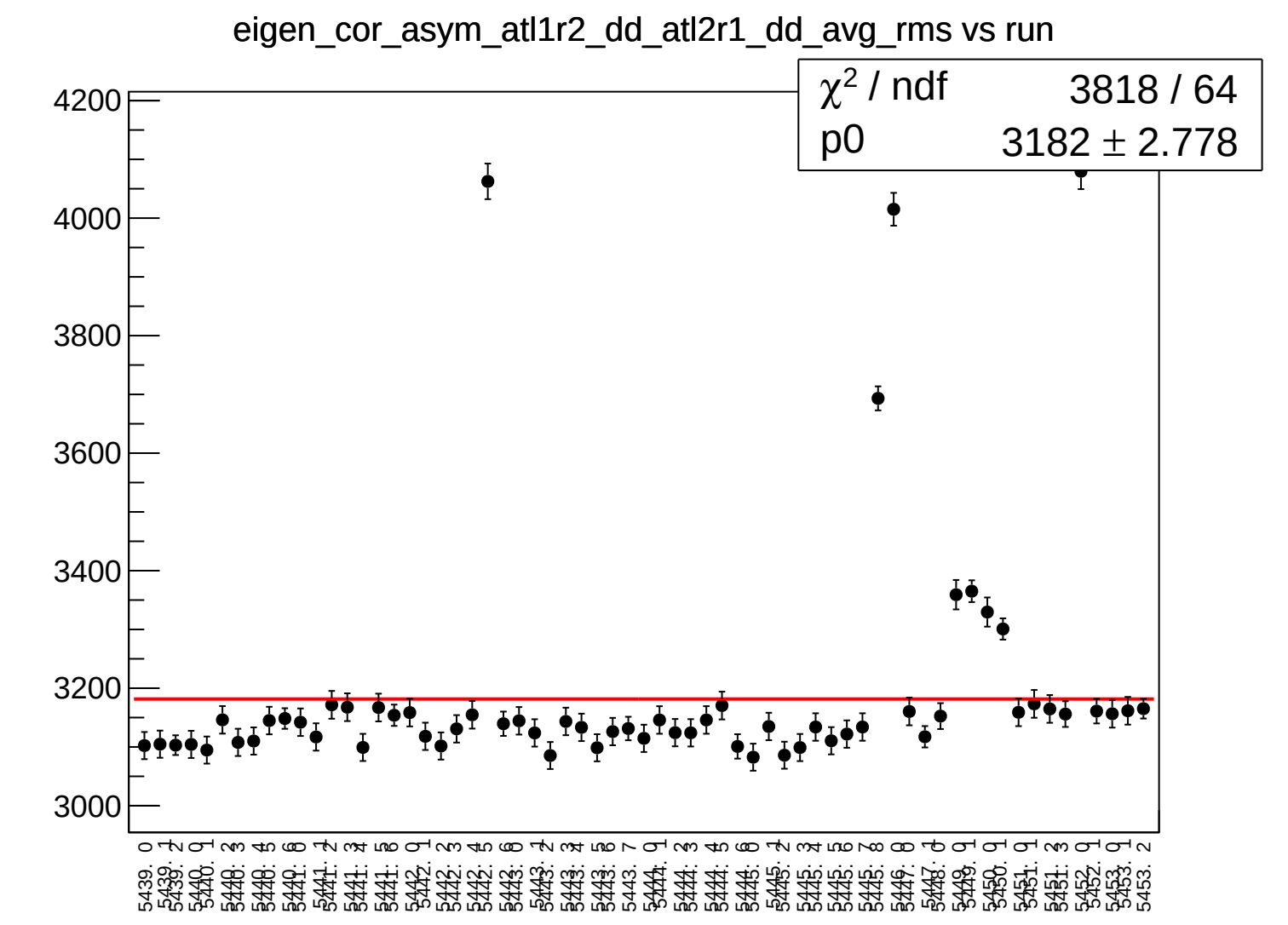

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 3818 / 64
p0 3182 ± 2.778
4200
4000
3800
3600
3400
3200
3000

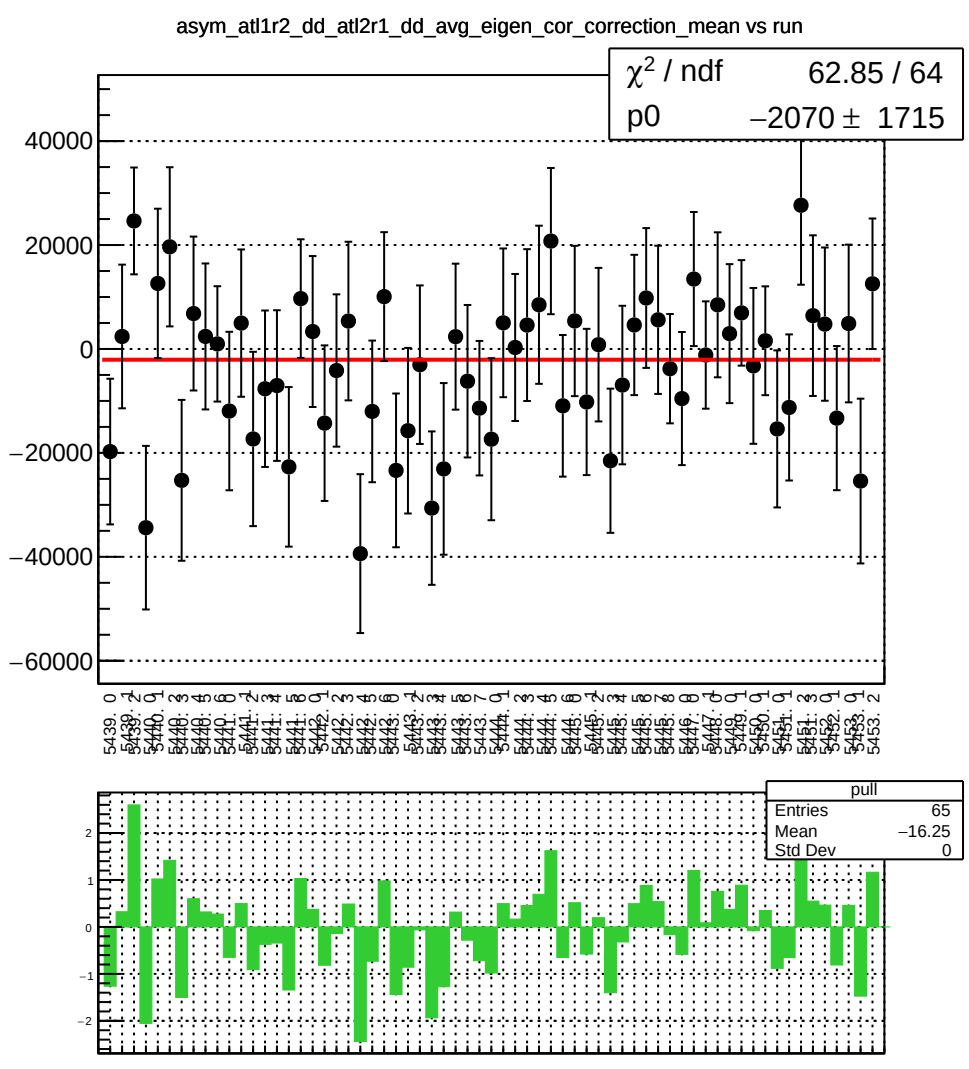

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 62.85 / 64
p0 −2070 ± 1715
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −16.25
Std Dev 0
2
1
0
−1
−2

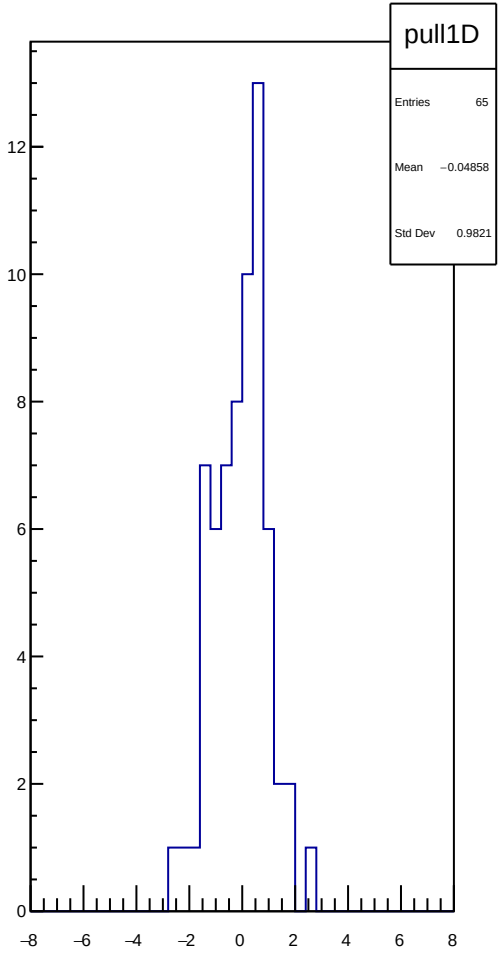

pull1D
Entries 65
Mean −0.04858
Std Dev 0.9821
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

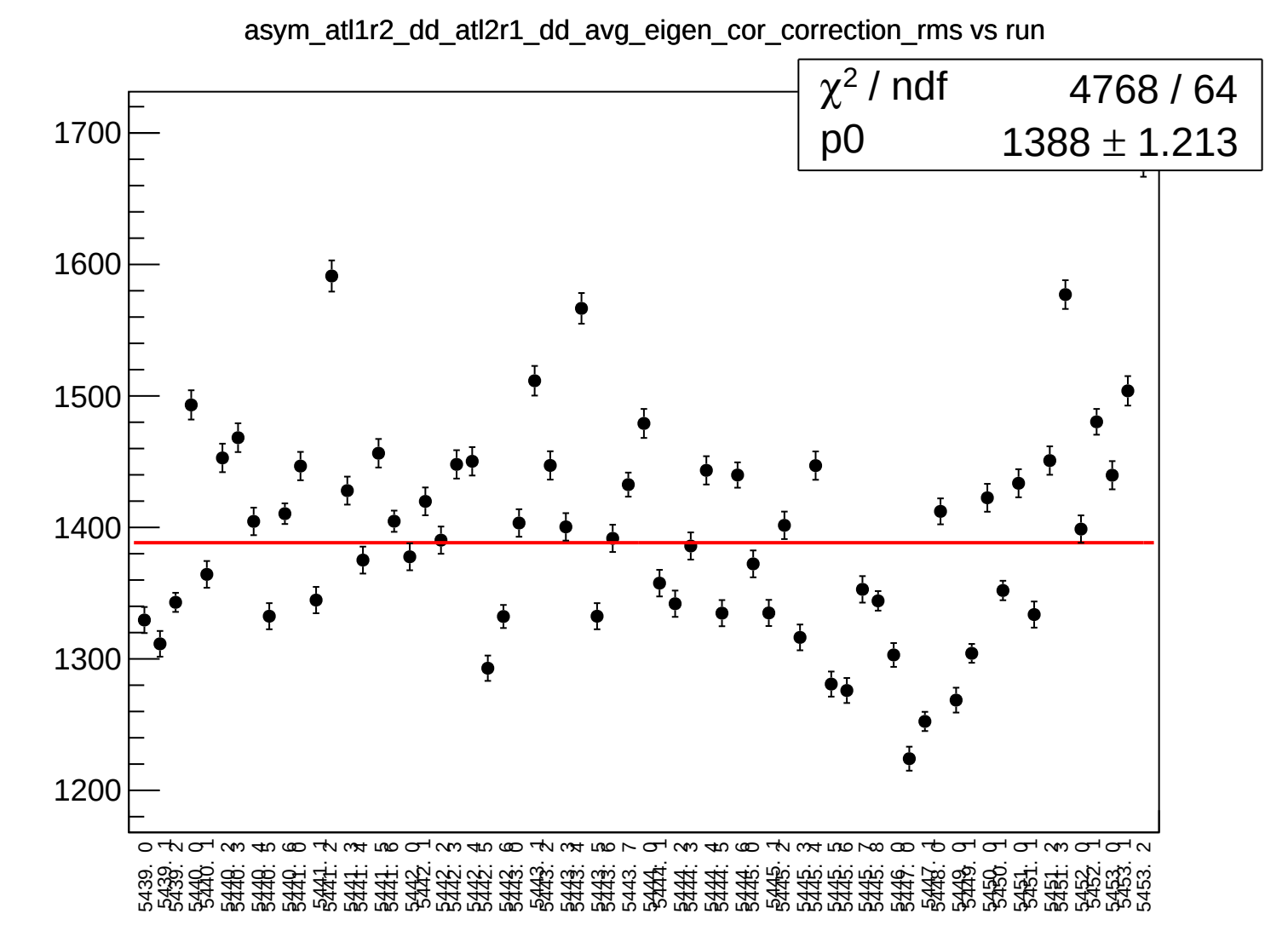

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 4768 / 64
p0 1388 ± 1.213
1700
1600
1500
1400
1300
1200

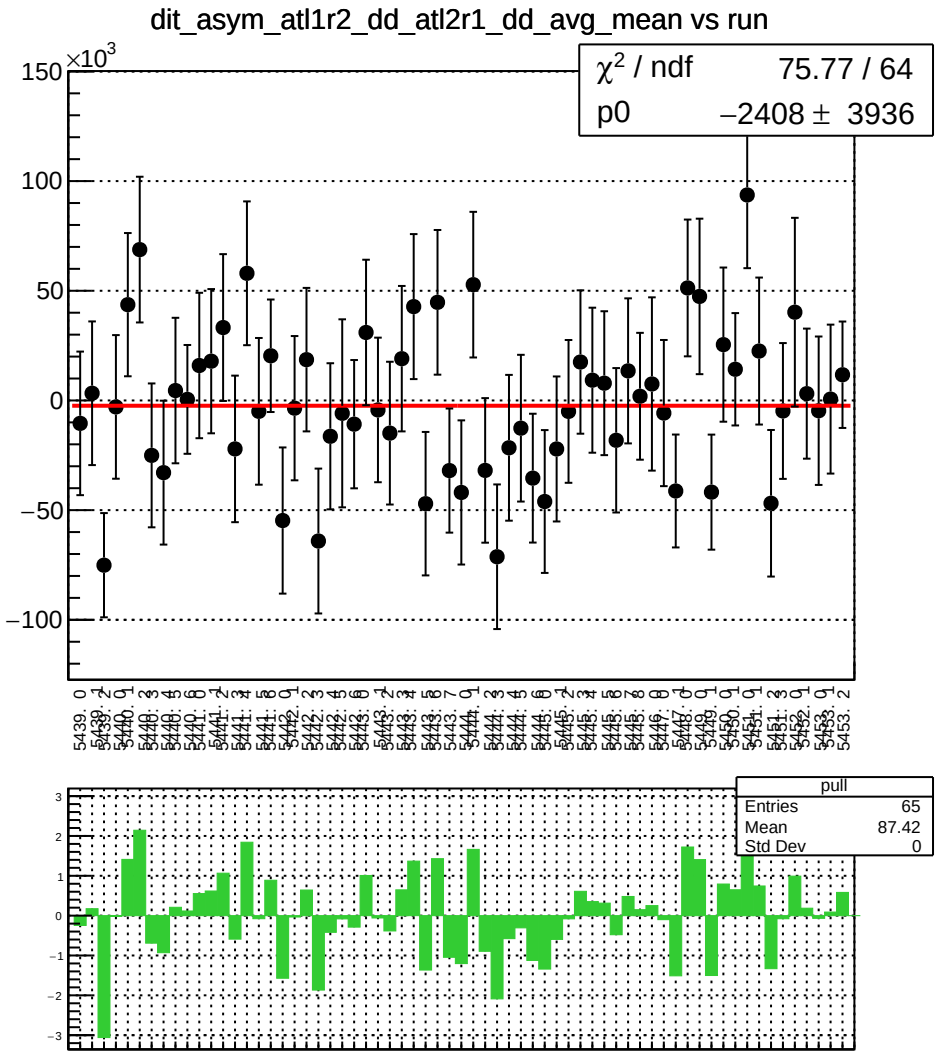

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ^2 / ndf 76.73 / 64
p0 −2576 ± 3929
150
100
50
0
−50
−100
pull
Entries 65
Mean 93.71
Std Dev 0
pull1D
Entries 65
Mean 0.0281
Std Dev 1.086

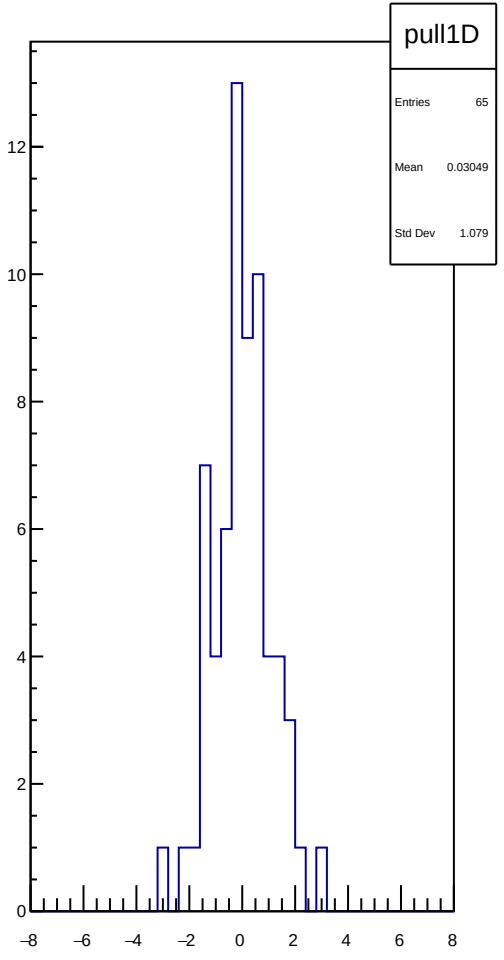

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 3818 / 64
p0 3182 ± 2.778
4200
4000
3800
3600
3400
3200
3000

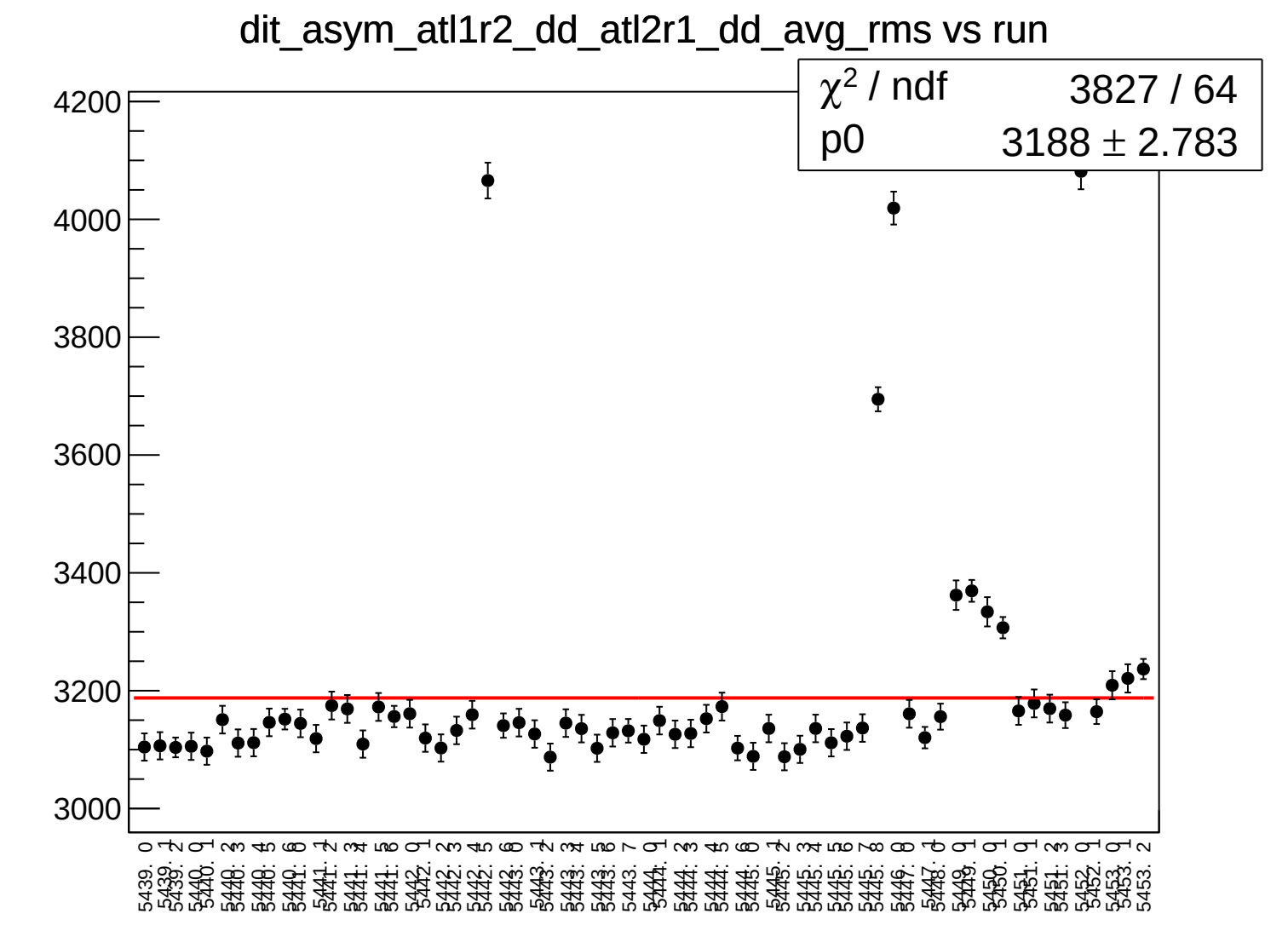

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.85 / 64
p0 −2070 ± 1715
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −16.25
Std Dev 0
2
1
0
−1
−2

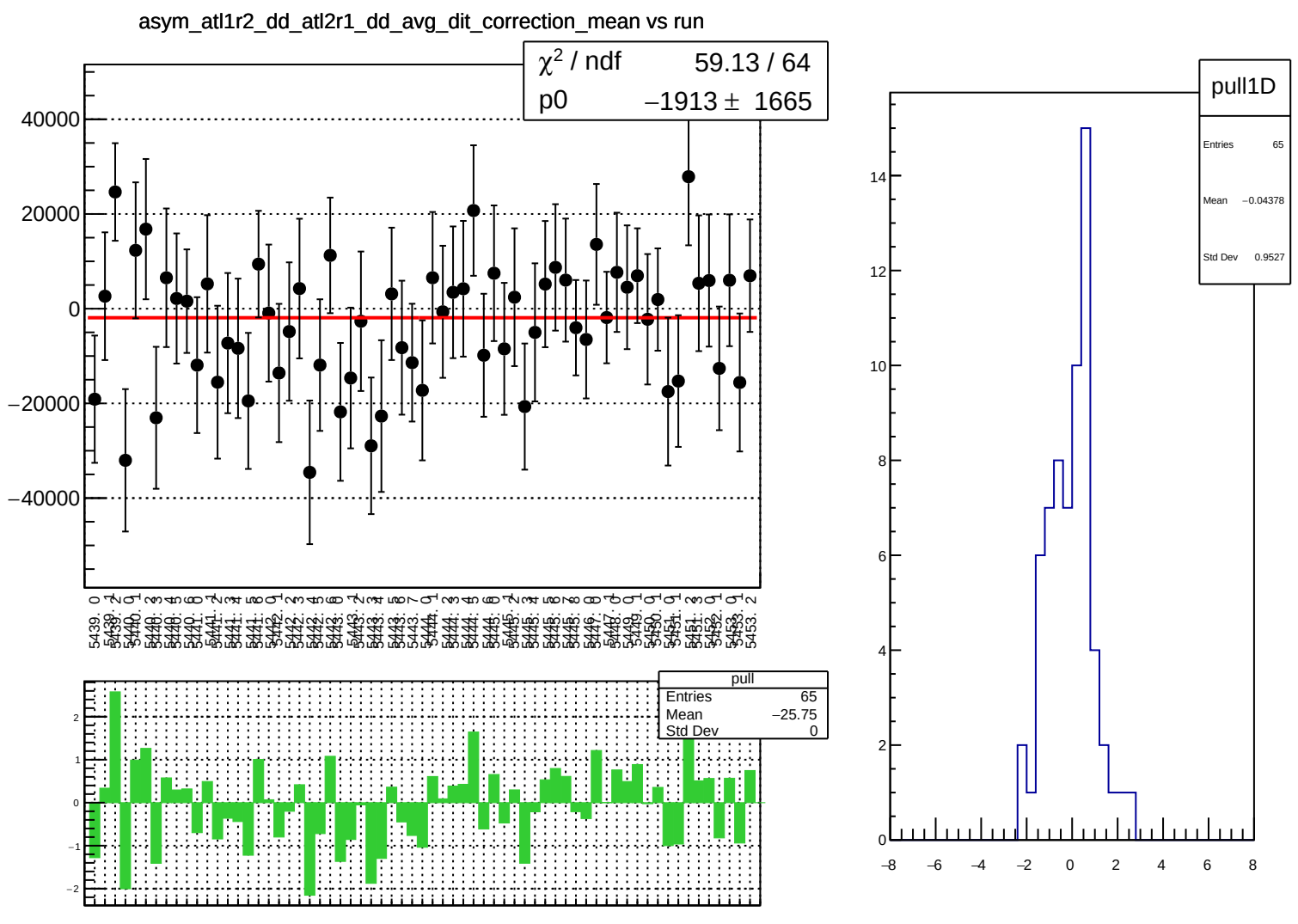

pull1D
Entries 65
Mean −0.04858
Std Dev 0.9821
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

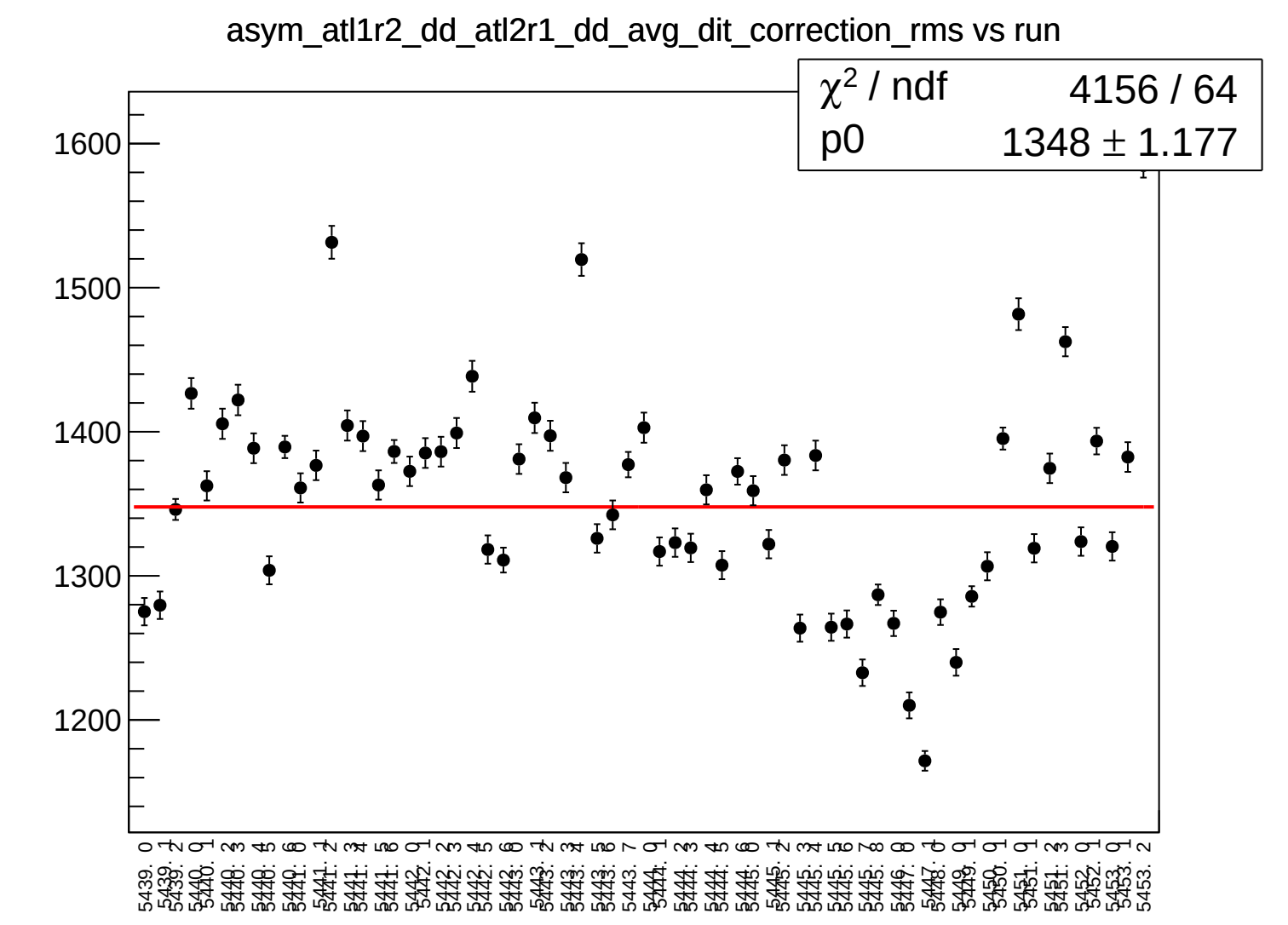

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4768 / 64
p0 1388 ± 1.213
1700
1600
1500
1400
1300
1200

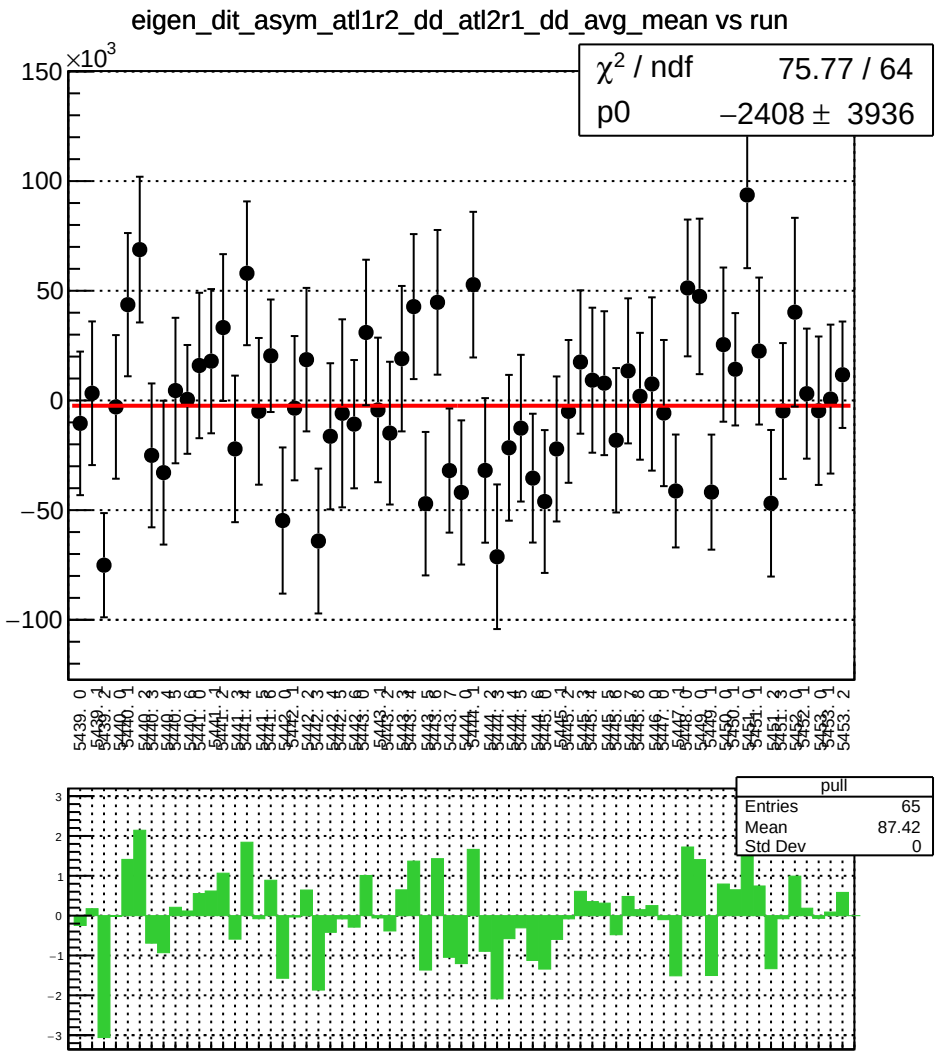

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 75.77 / 64
p0 −2408 ± 3936
pull
Entries 65
Mean 87.42
Std Dev 0

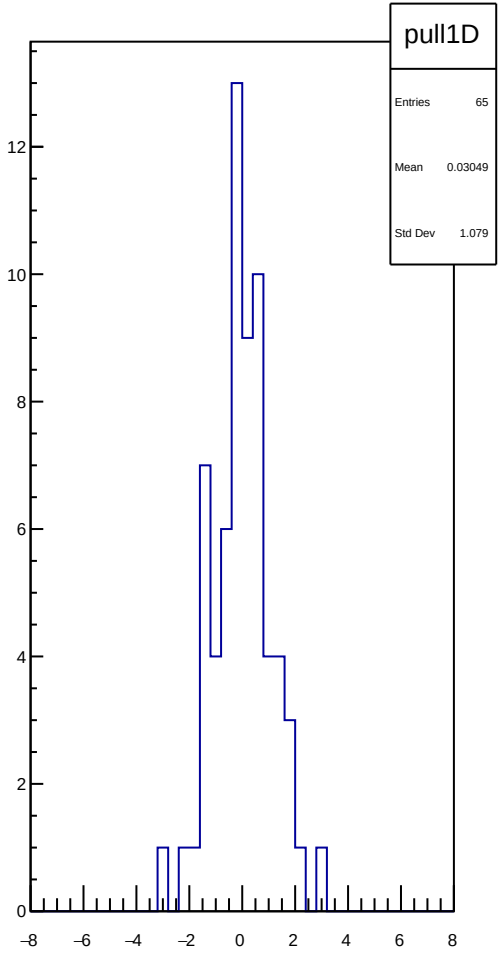

pull1D
Entries 65
Mean 0.03049
Std Dev 1.079

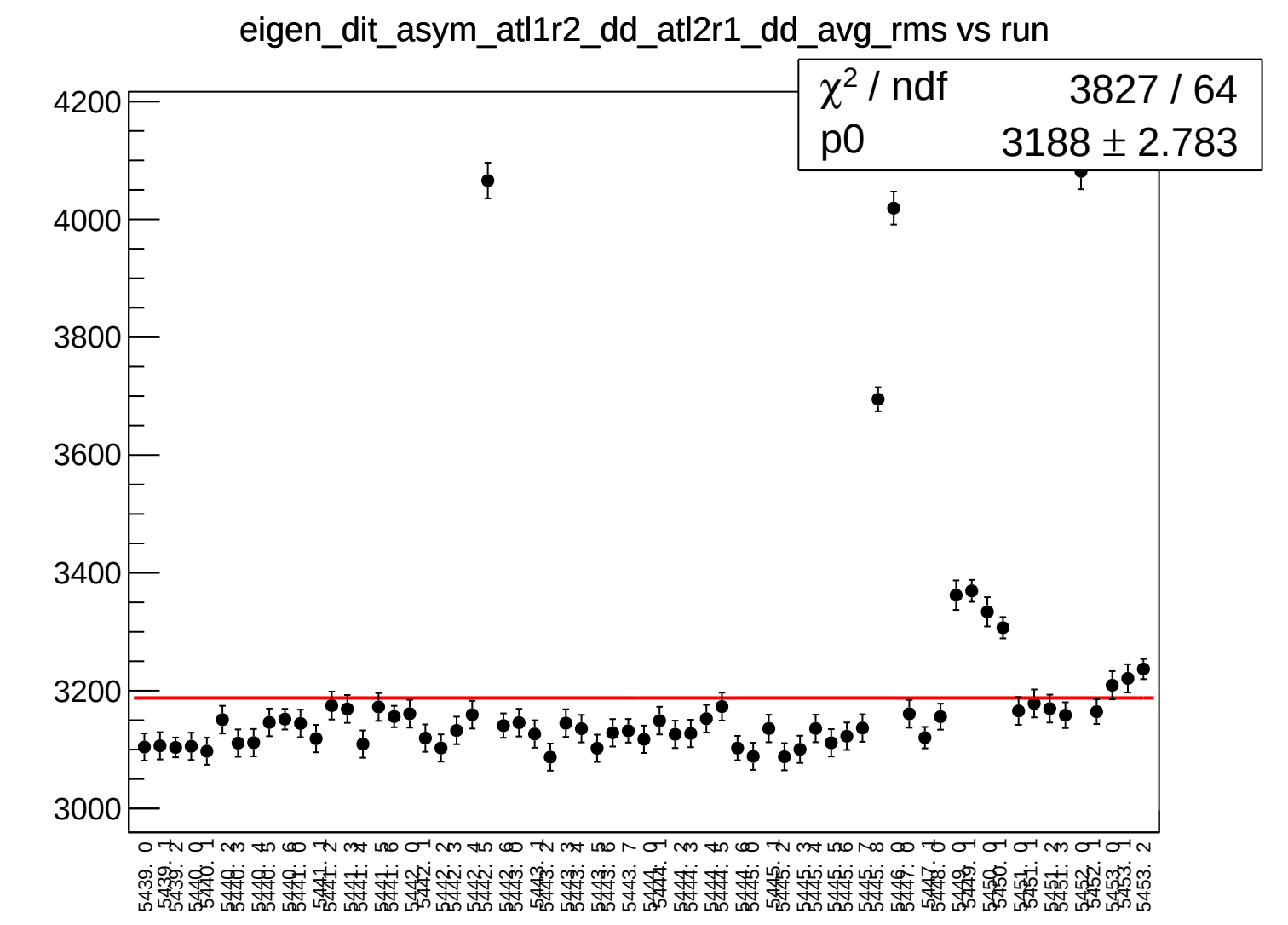

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 3827 / 64
p0 3188 ± 2.783
4200
4000
3800
3600
3400
3200
3000

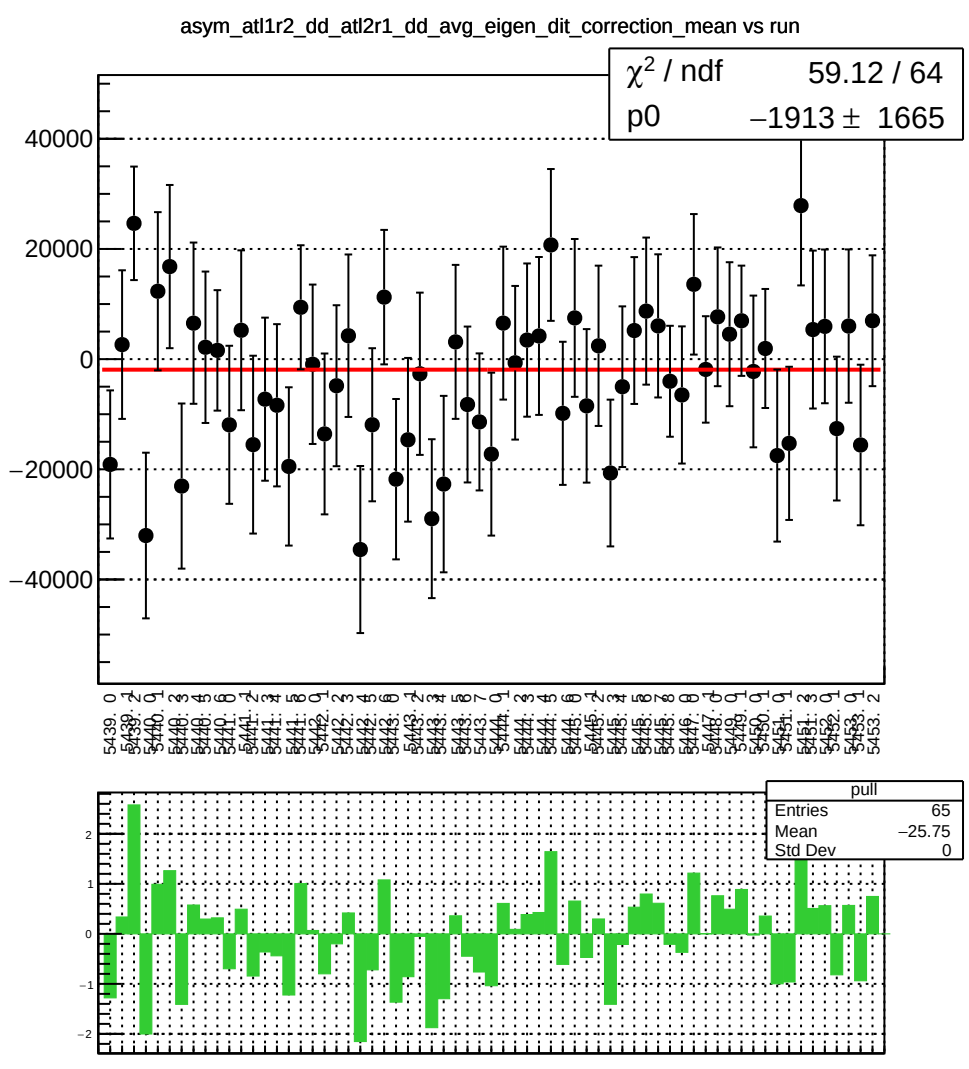

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 59.13 / 64
p0 −1913 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −25.75
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 65
Mean −0.04378
Std Dev 0.9527
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

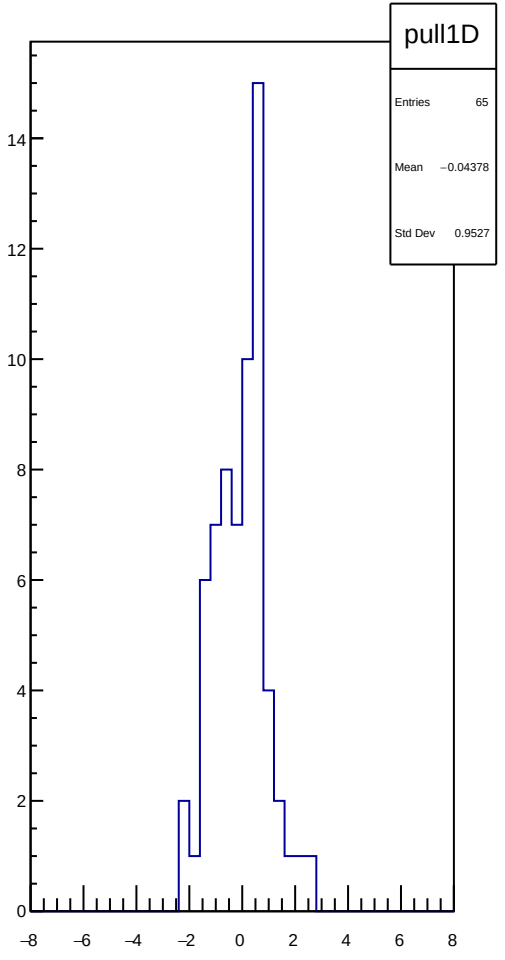

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 4156 / 64
p0 1348 ± 1.177
1600
1500
1400
1300
1200

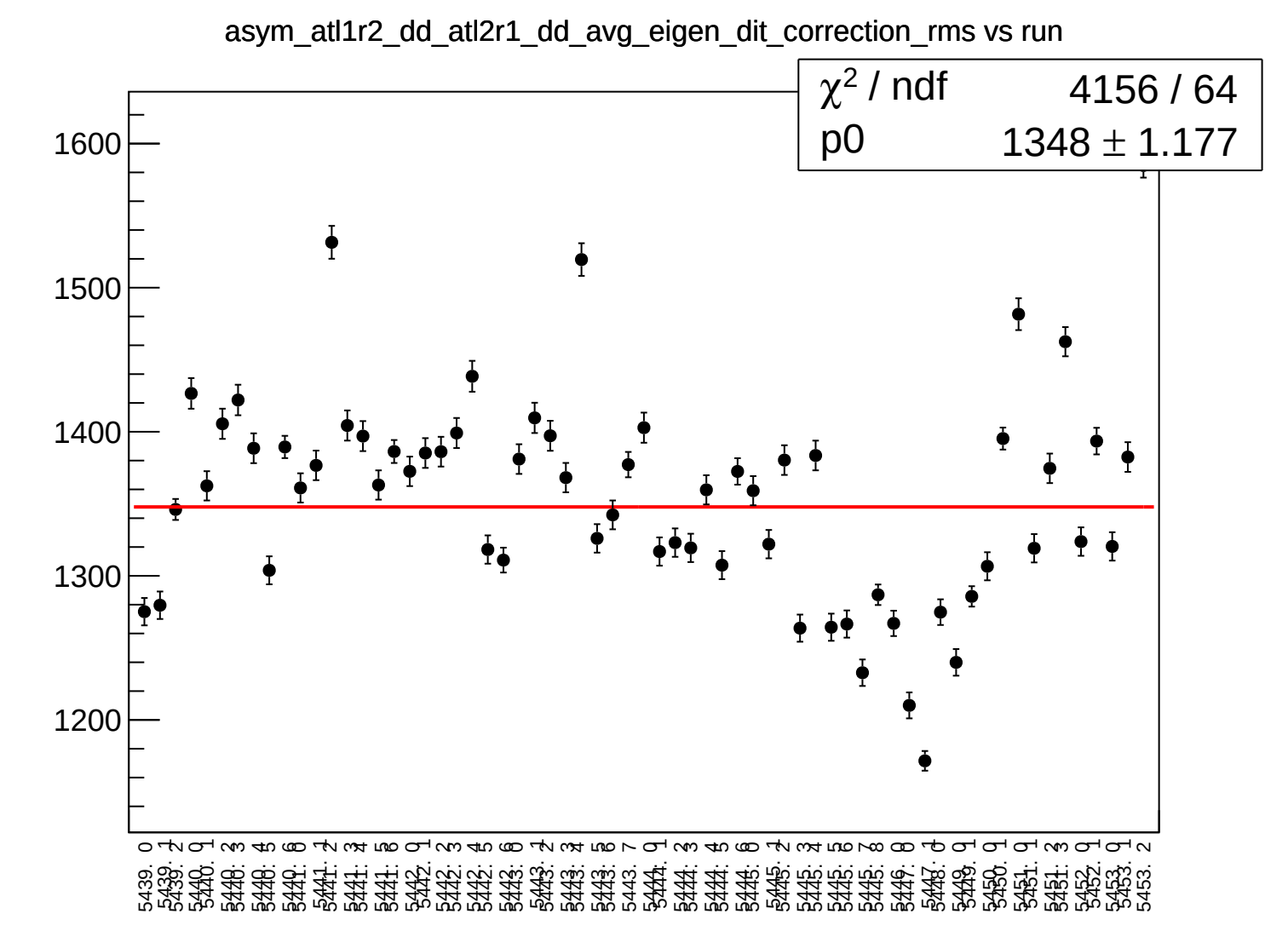

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 75.77 / 64
p0 −2408 ± 3936
×10³
150
100
50
0
−50
−100
pull
Entries 65
Mean 87.42
Std Dev 0
3
2
1
0
−1
−2
−3

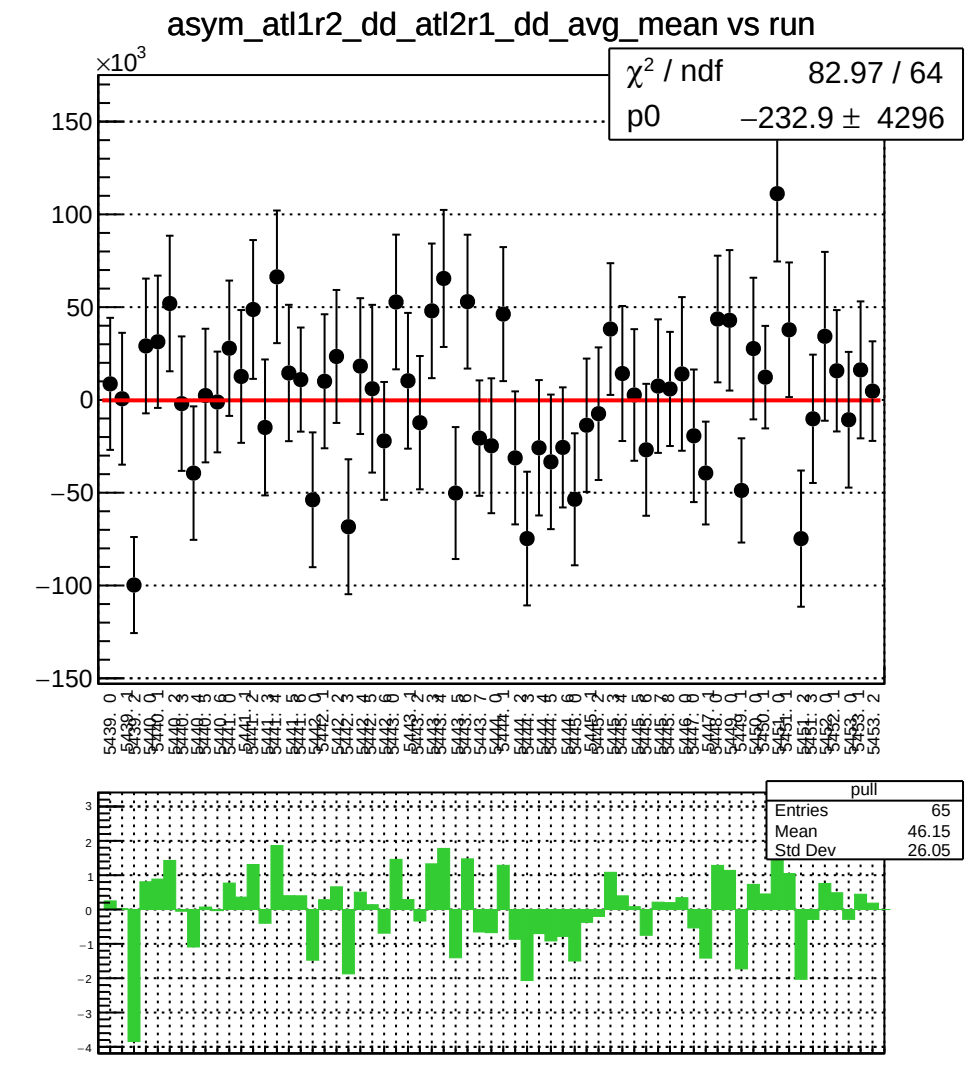

pull1D
Entries 65
Mean 0.03049
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

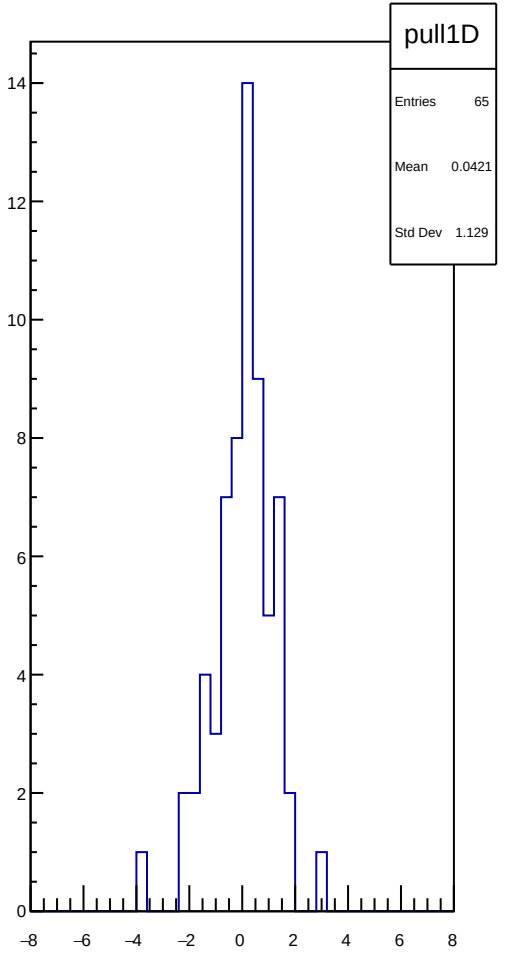

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 3827 / 64
p0 3188 ± 2.783
4200
4000
3800
3600
3400
3200
3000

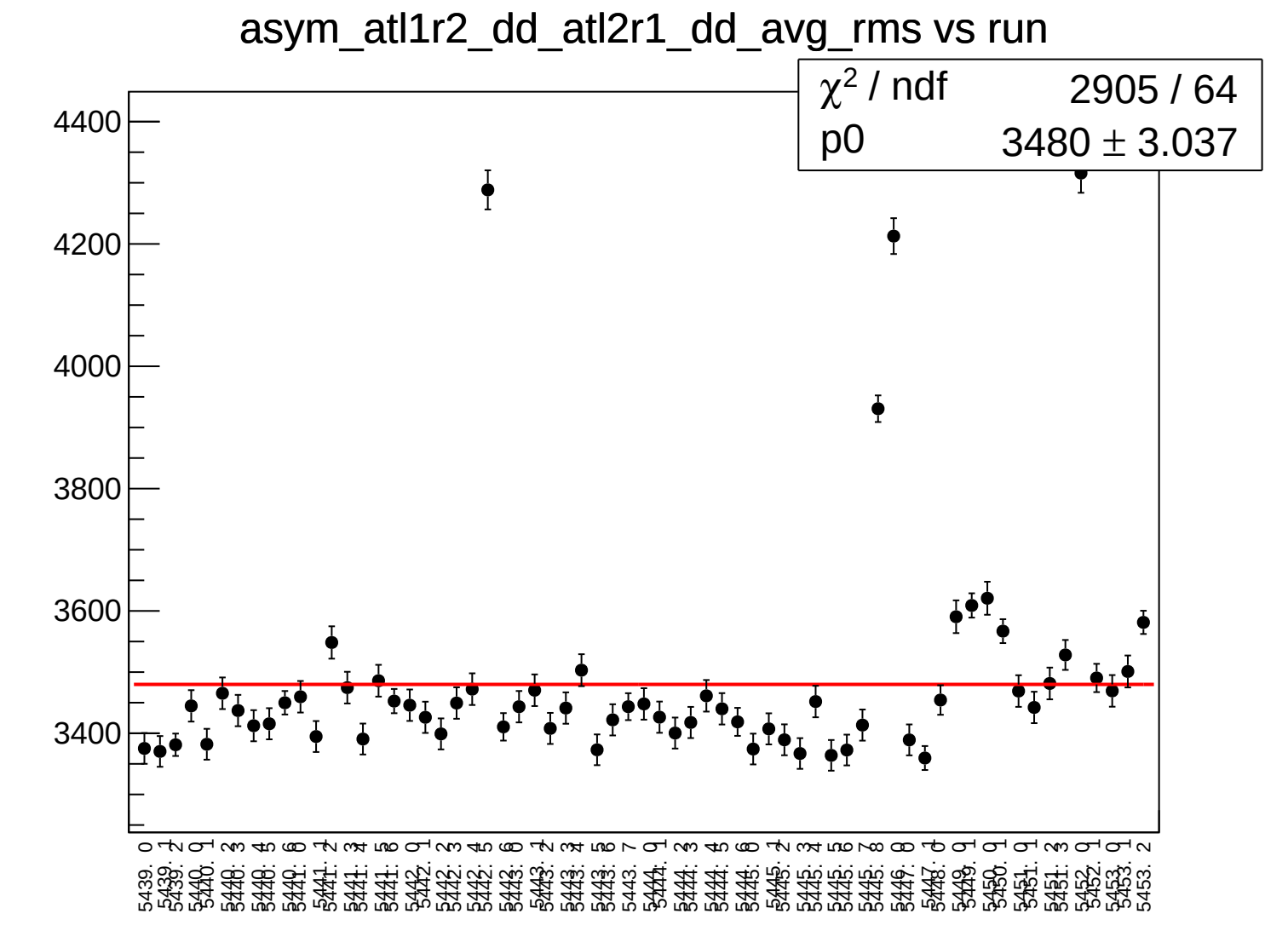

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 59.12 / 64
p0 −1913 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −25.75
Std Dev 0
2
1
0
−1
−2

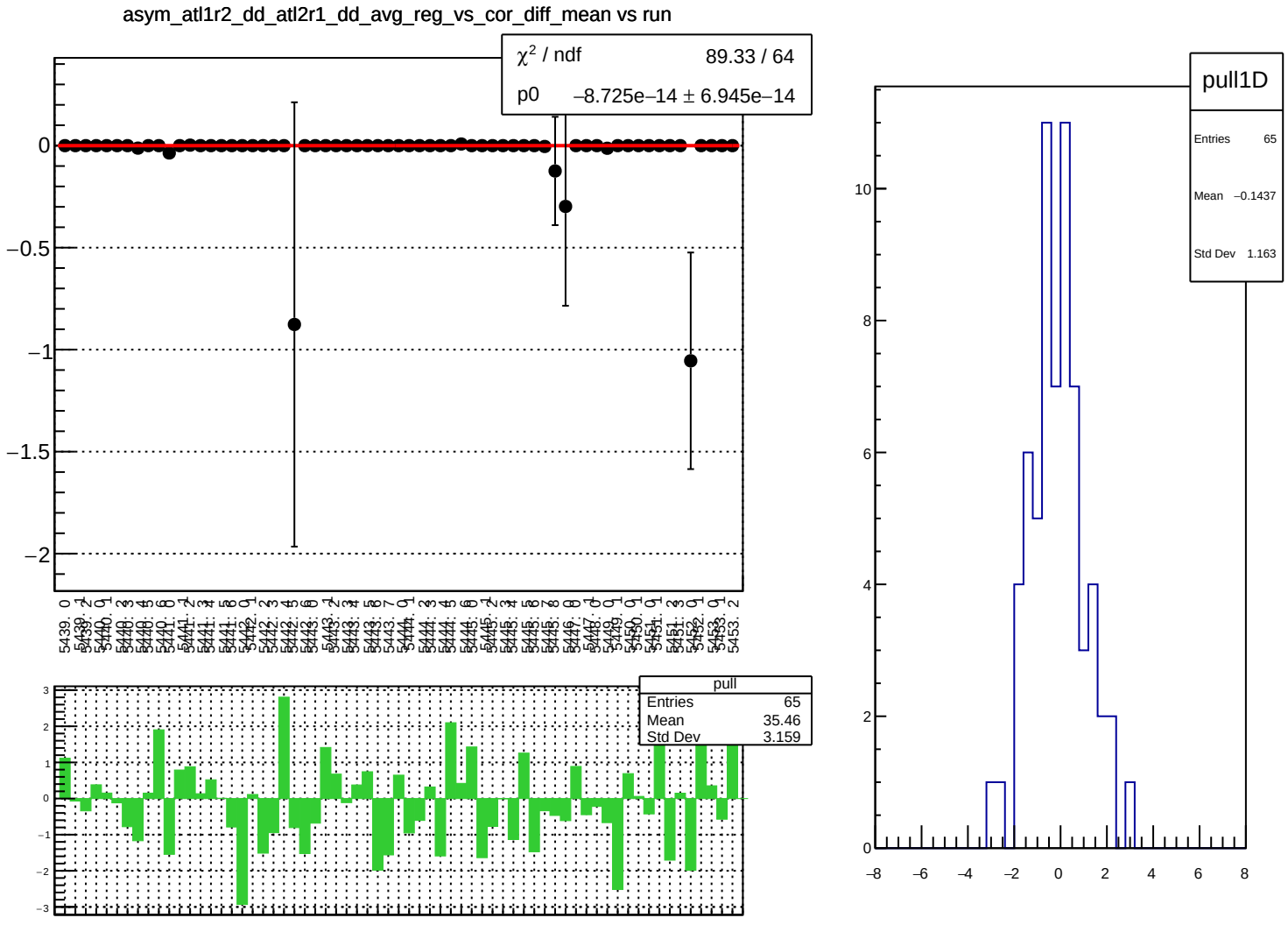

pull1D
Entries 65
Mean −0.04378
Std Dev 0.9527
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

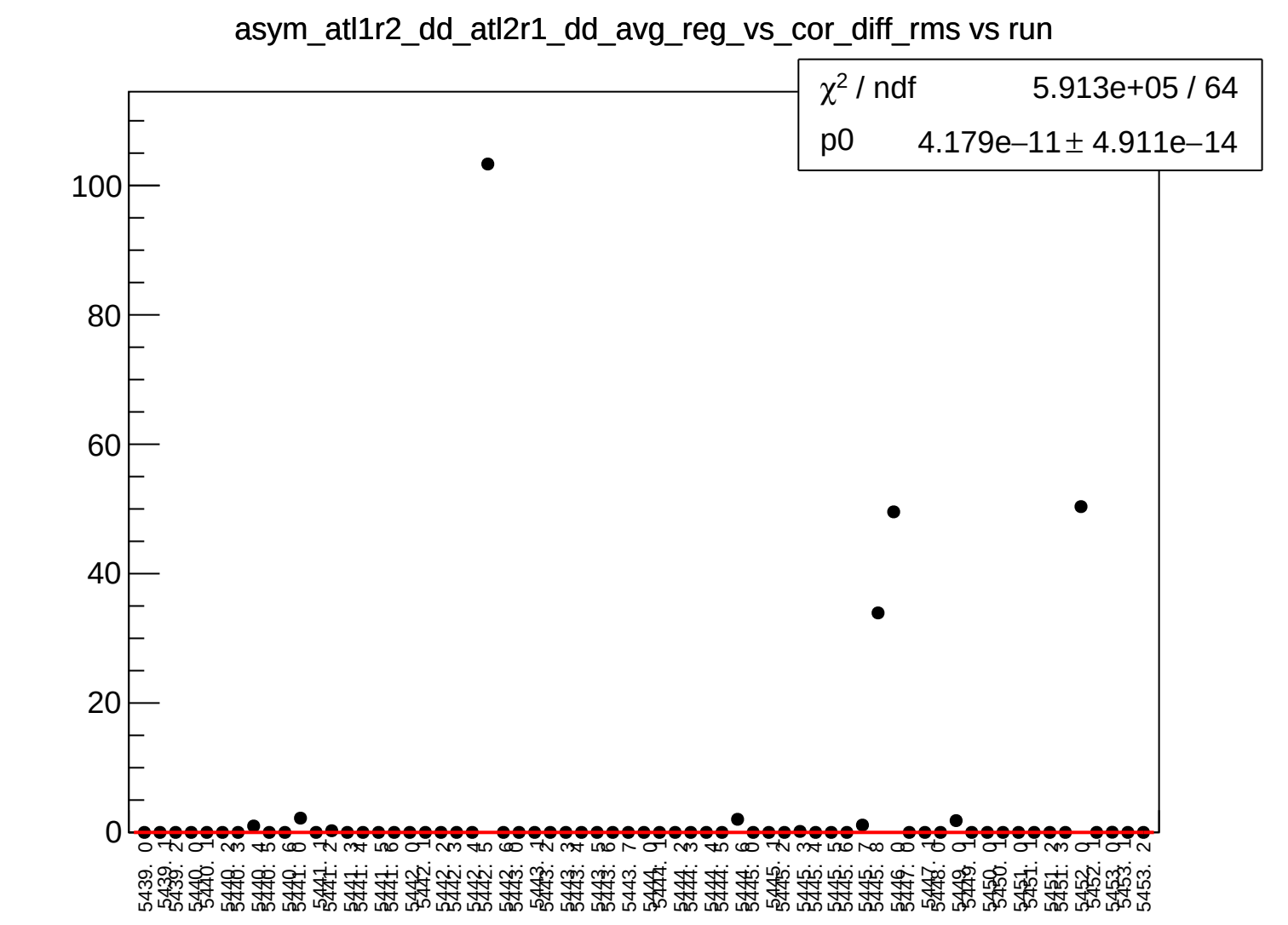

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4156 / 64
p0 1348 ± 1.177
1600
1500
1400
1300
1200

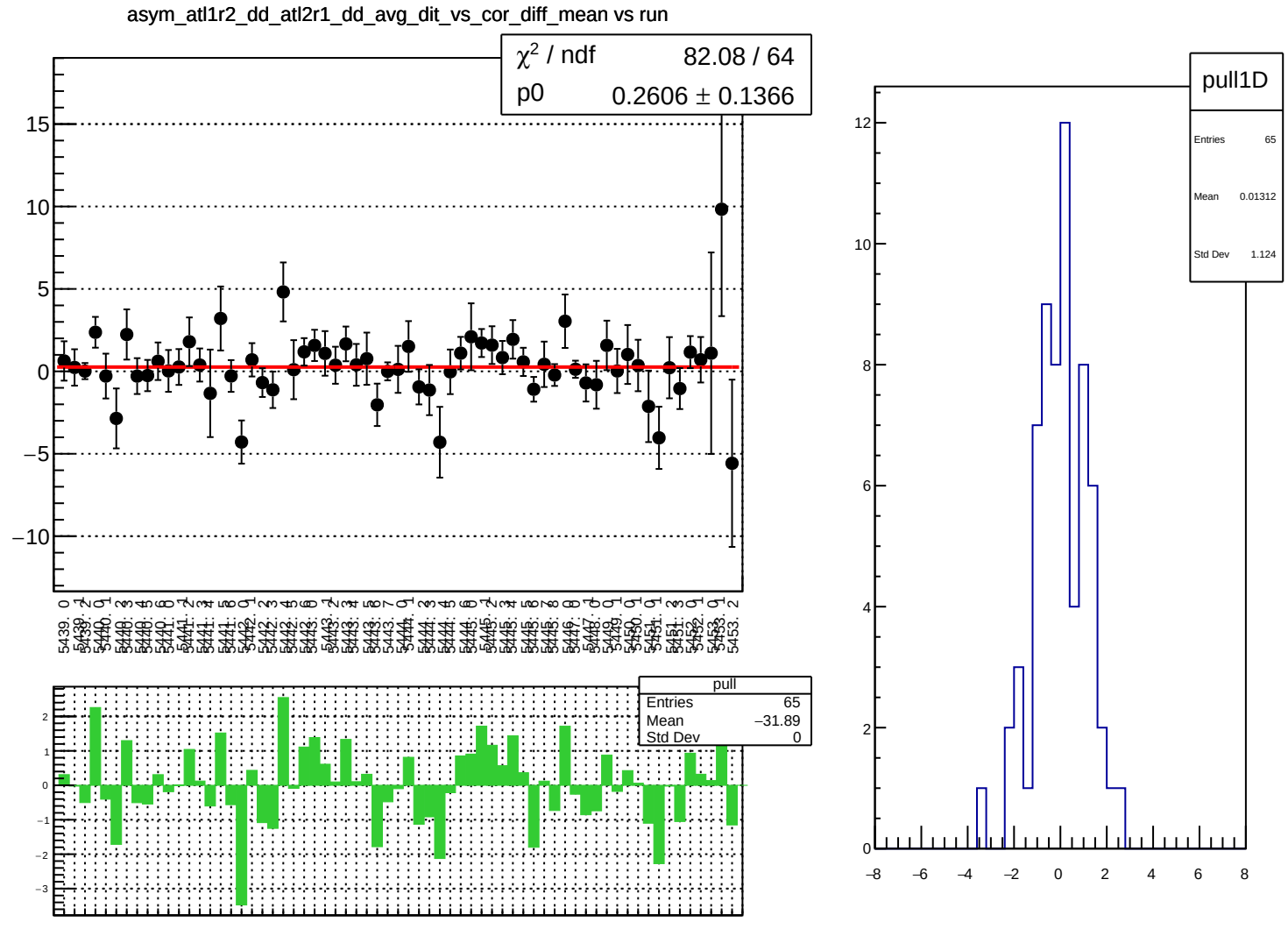

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 82.97 / 64
p0 −232.9 ± 4296
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 46.15
Std Dev 26.05
3
2
1
0
−1
−2
−3
−4

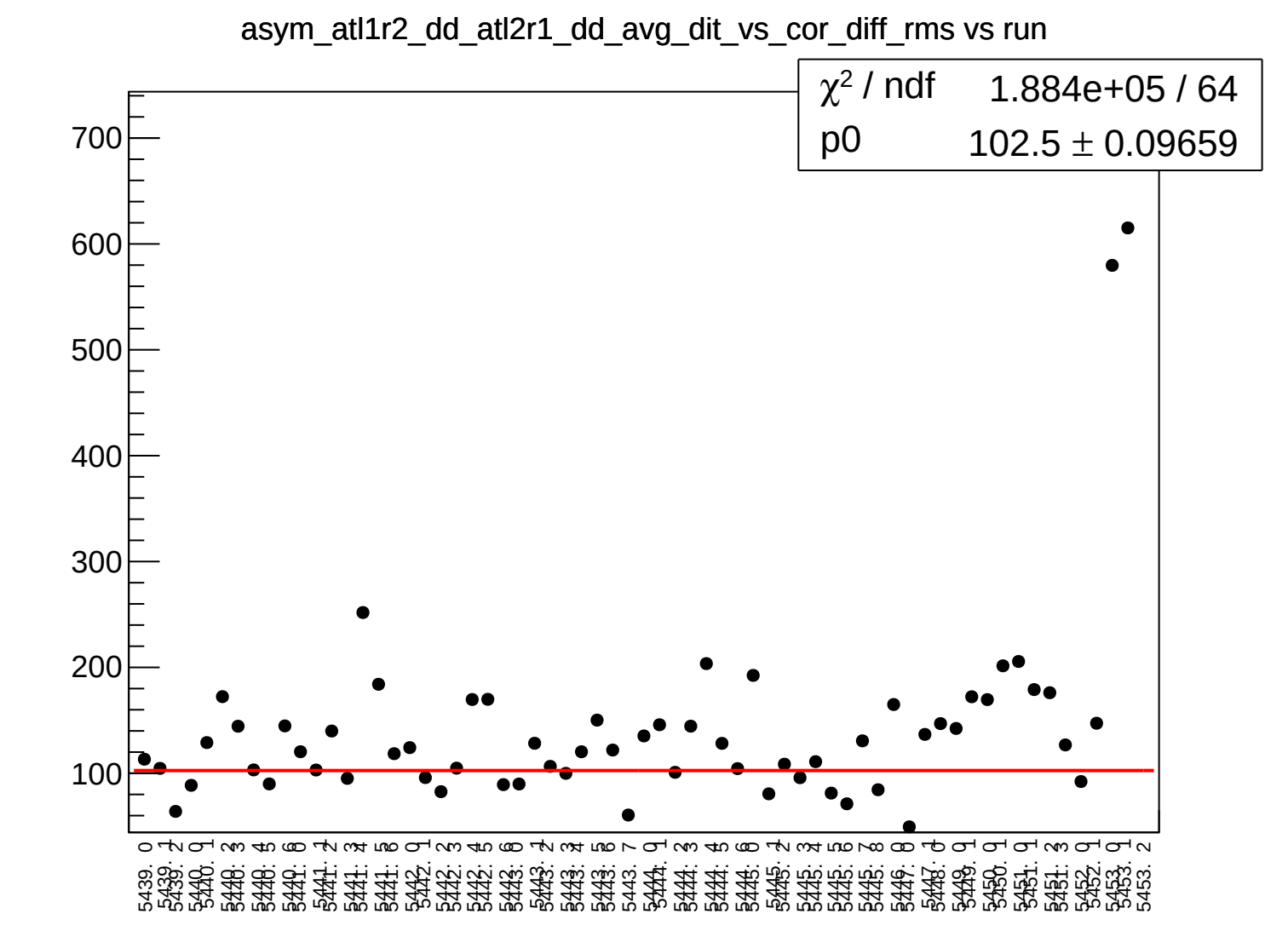

pull1D
Entries 65
Mean 0.0421
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

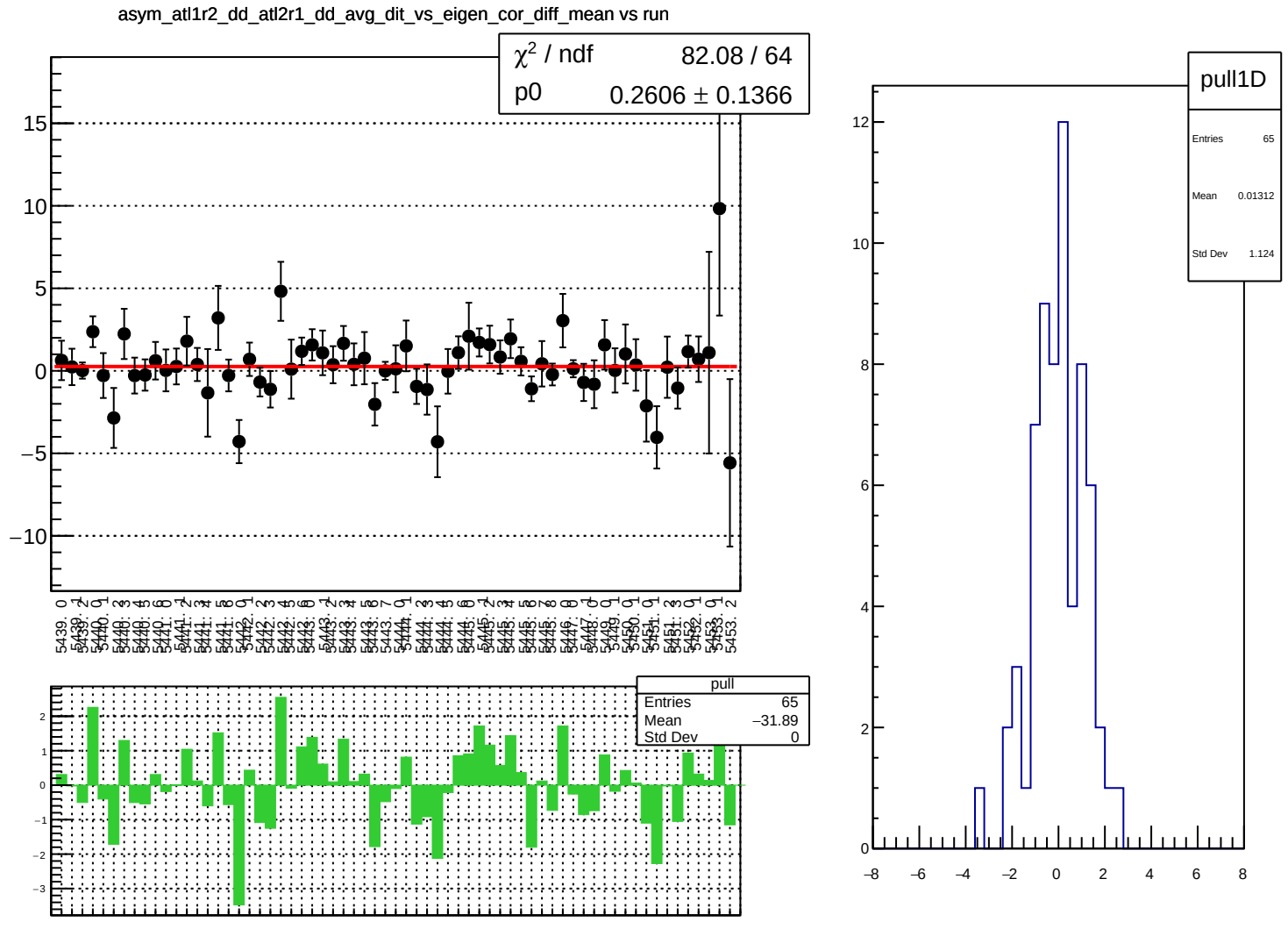

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 2905 / 64
p0 3480 ± 3.037
4400
4200
4000
3800
3600
3400
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

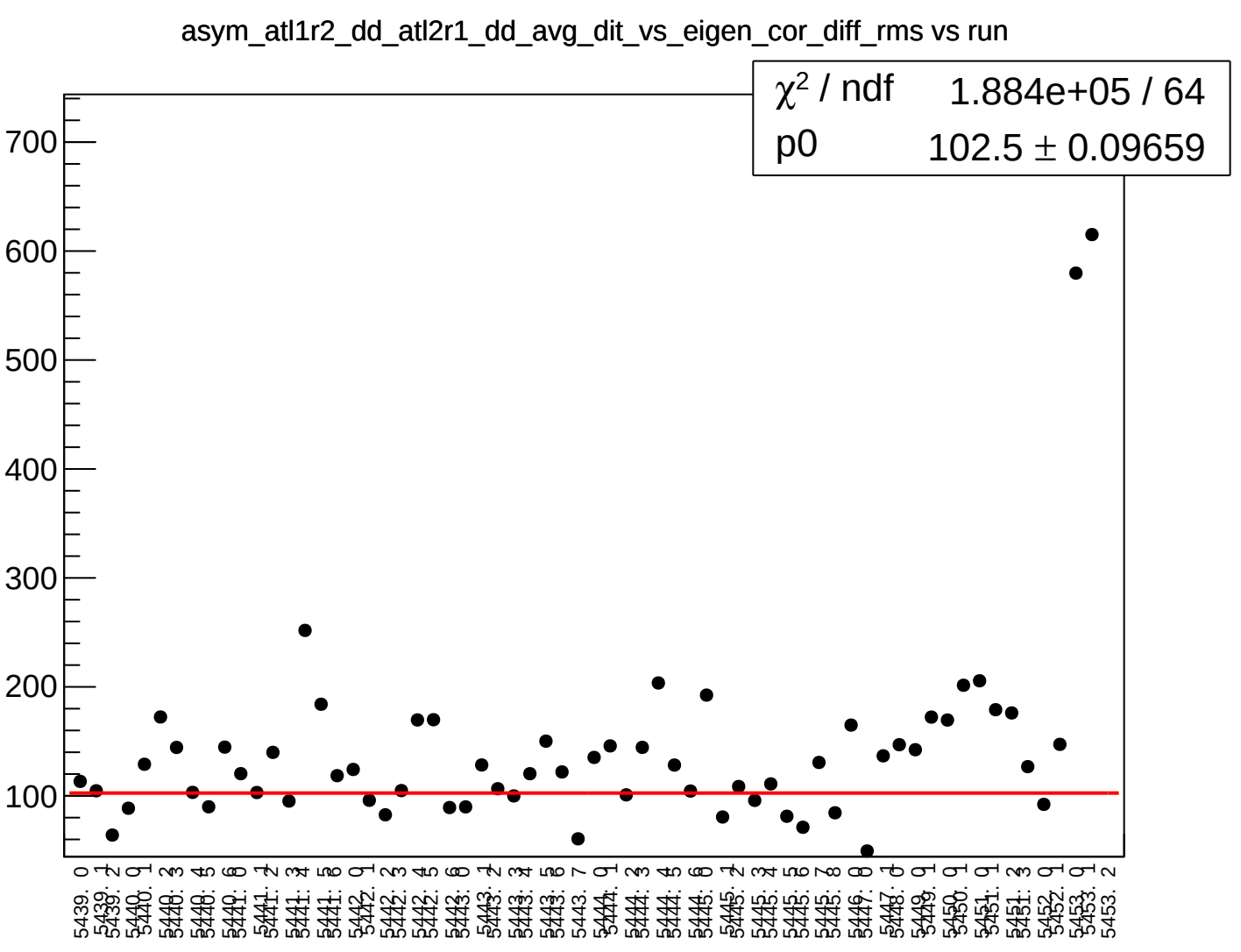

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 89.33 / 64
p0 −8.725e−14 ± 6.945e−14
pull
Entries 65
Mean 35.46
Std Dev 3.159
pull1D
Entries 65
Mean −0.1437
Std Dev 1.163

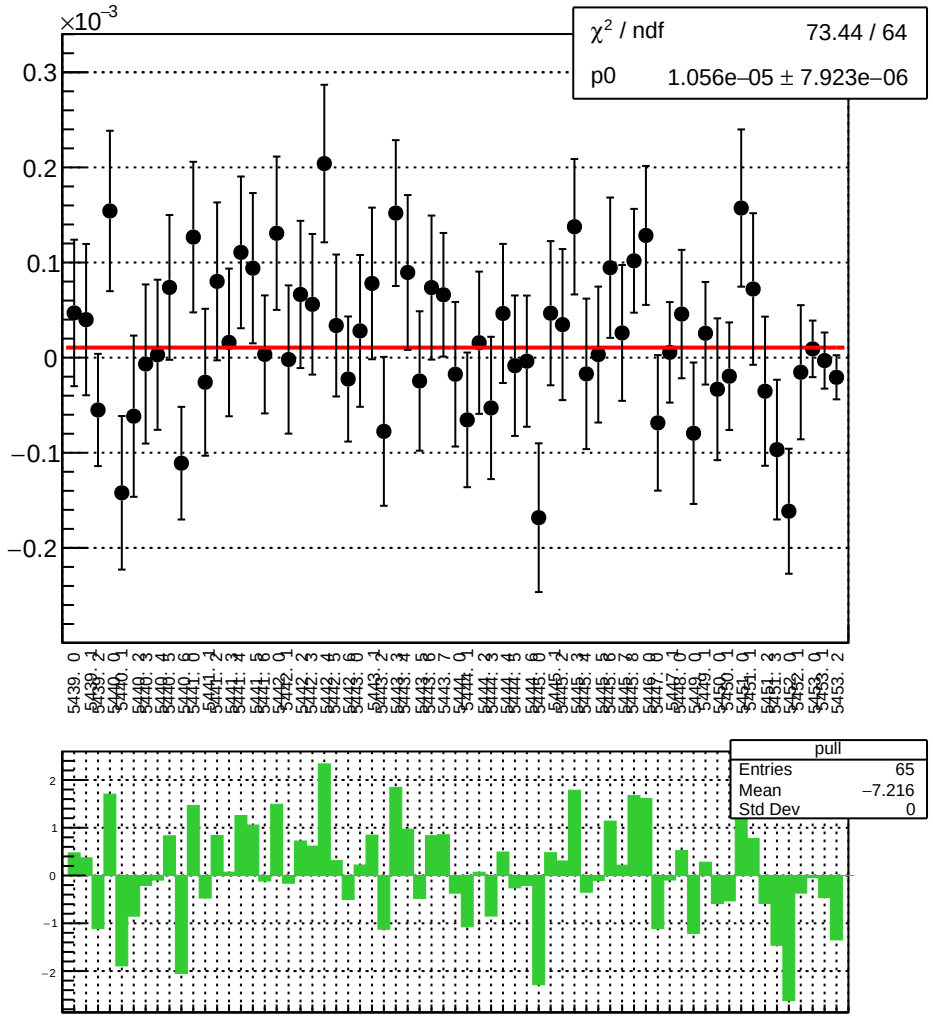

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.913e+05 / 64
p0 4.179e−11 ± 4.911e−14
100
80
60
40
20
0

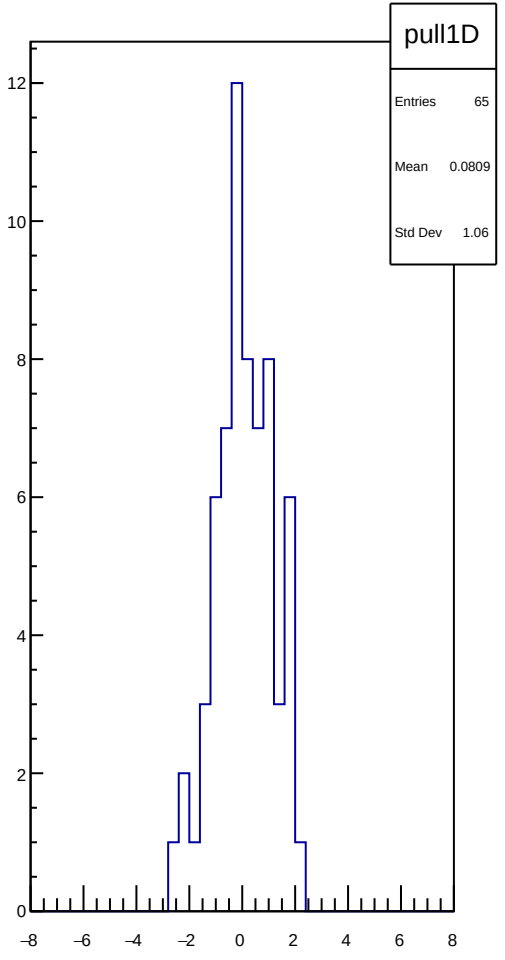

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.89
Std Dev 0
pull1D
Entries 65
Mean 0.01312
Std Dev 1.124

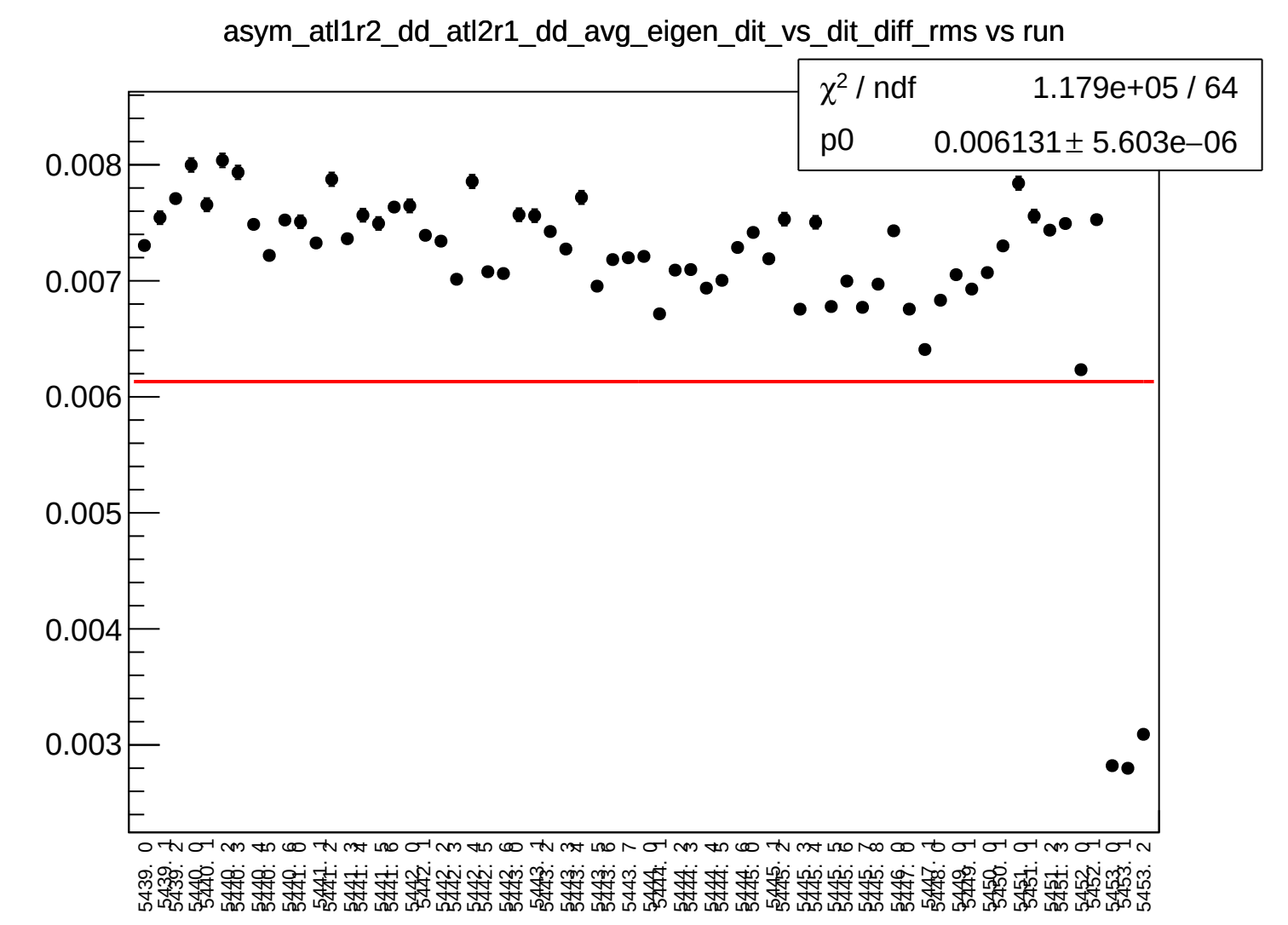

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

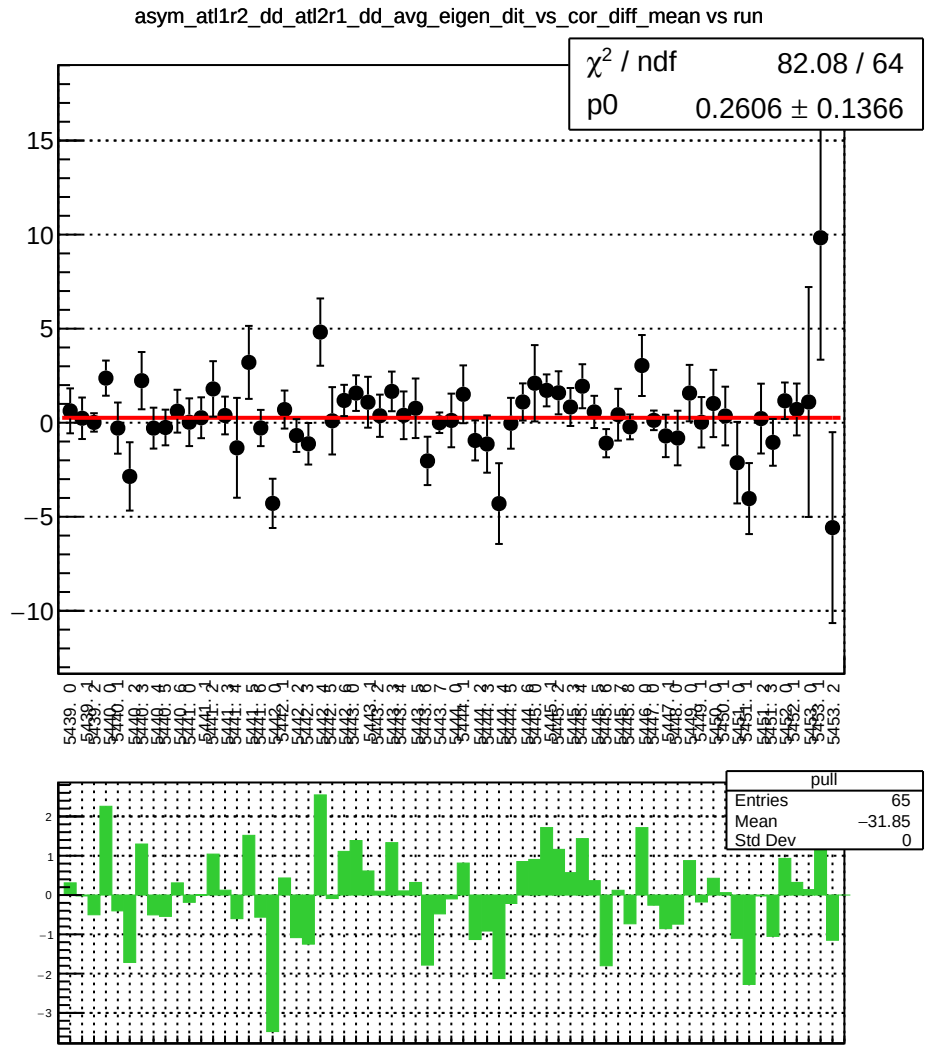

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.89
Std Dev 0
pull1D
Entries 65
Mean 0.01312
Std Dev 1.124

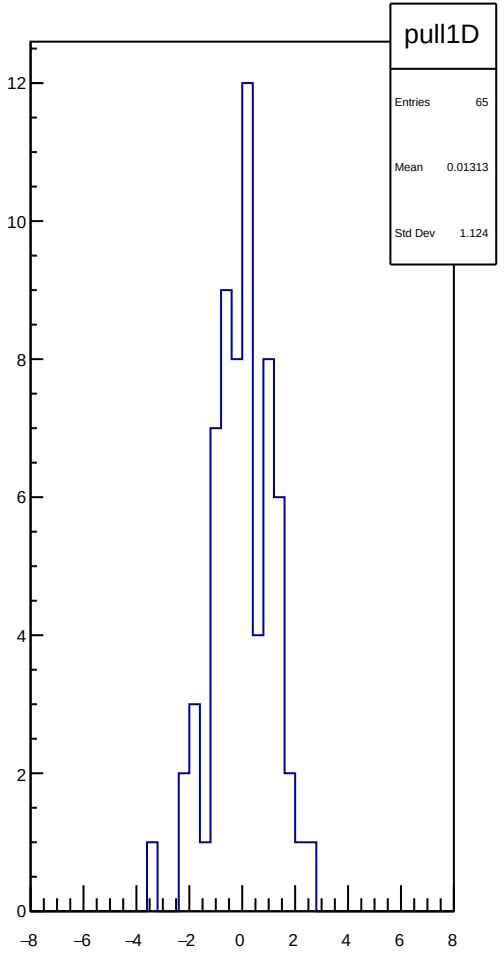

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

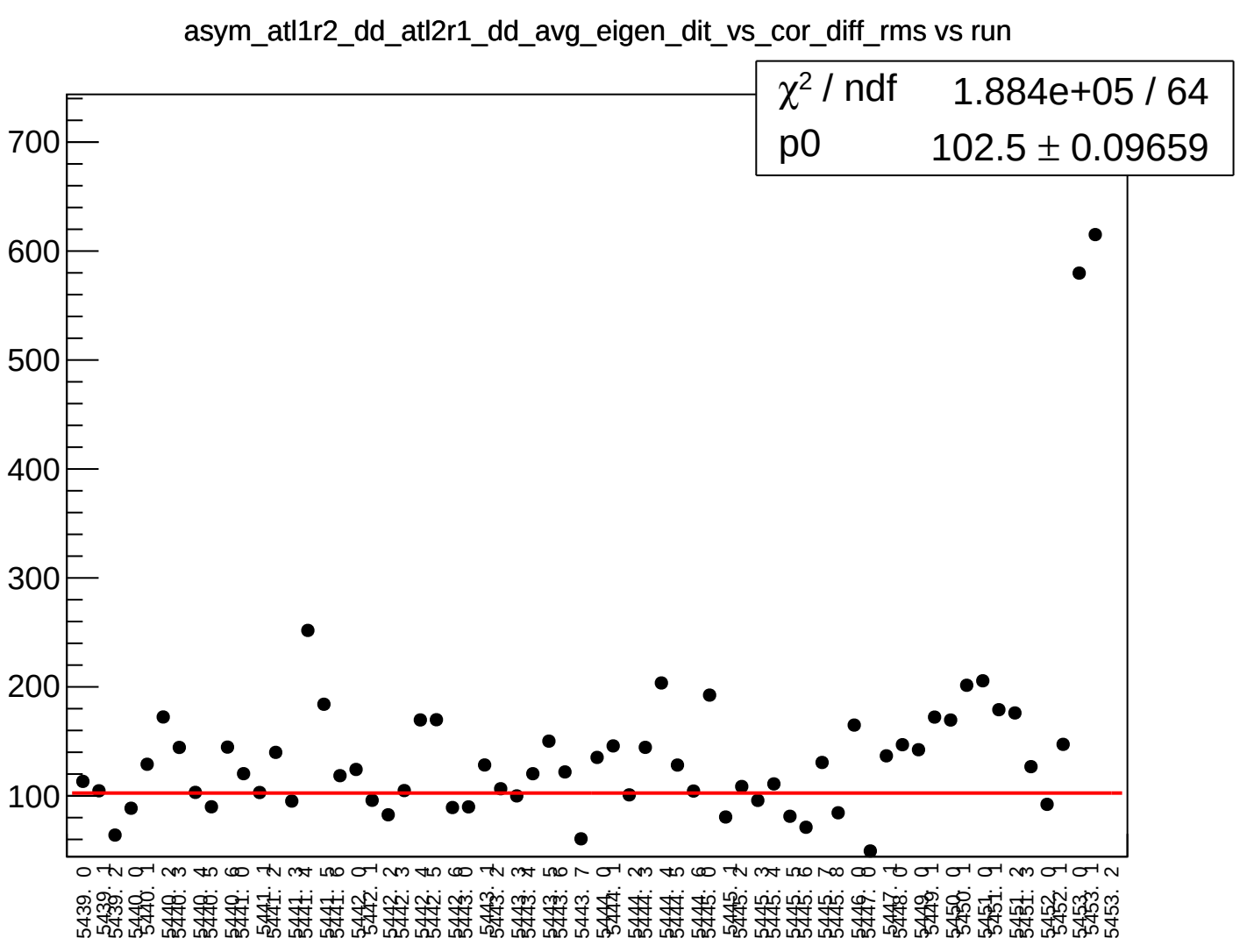

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.44 / 64
p0 1.056e−05 ± 7.923e−06
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 65
Mean −7.216
Std Dev 0
2
1
0
−1
−2

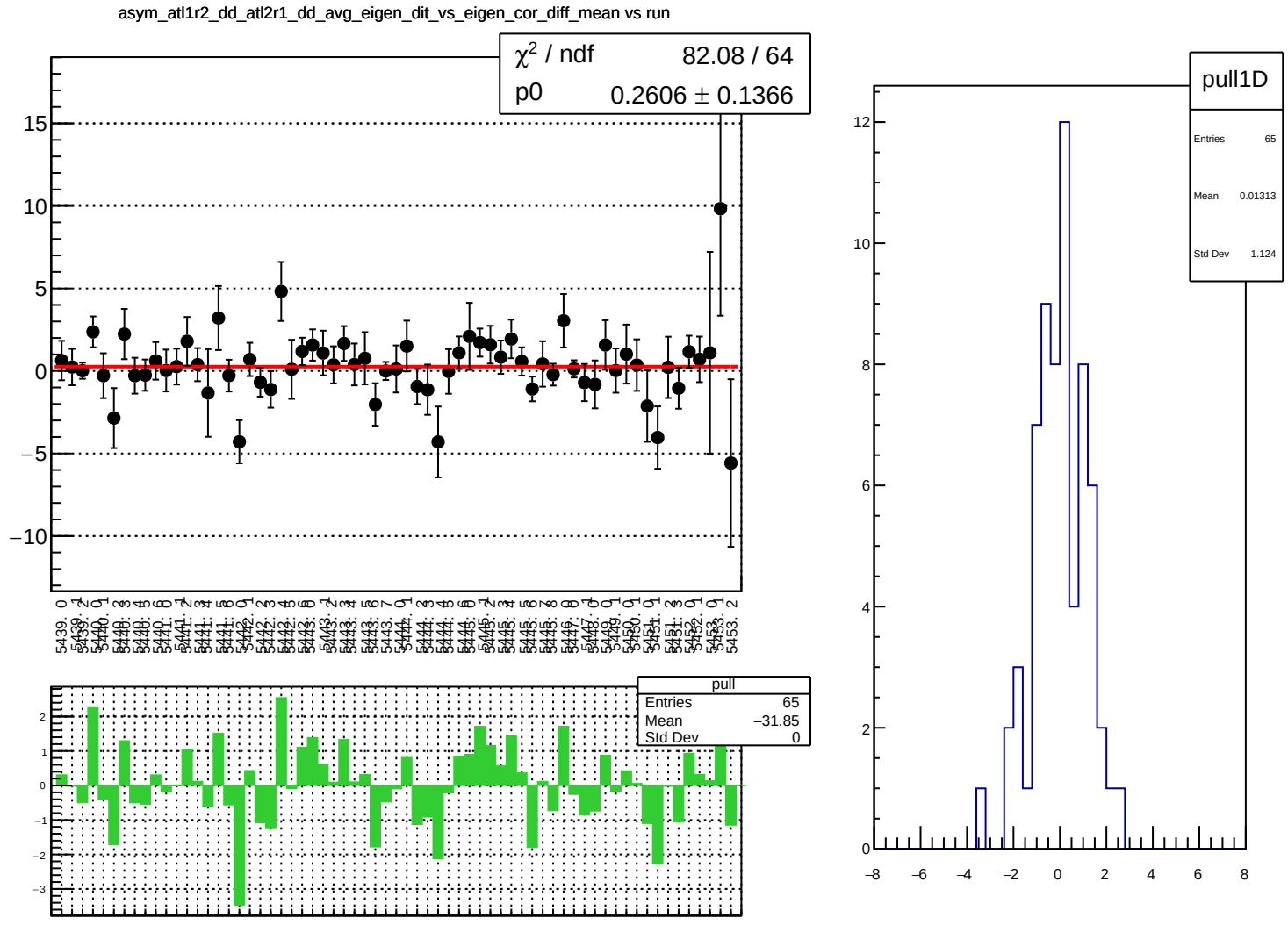

pull1D
Entries 65
Mean 0.0809
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

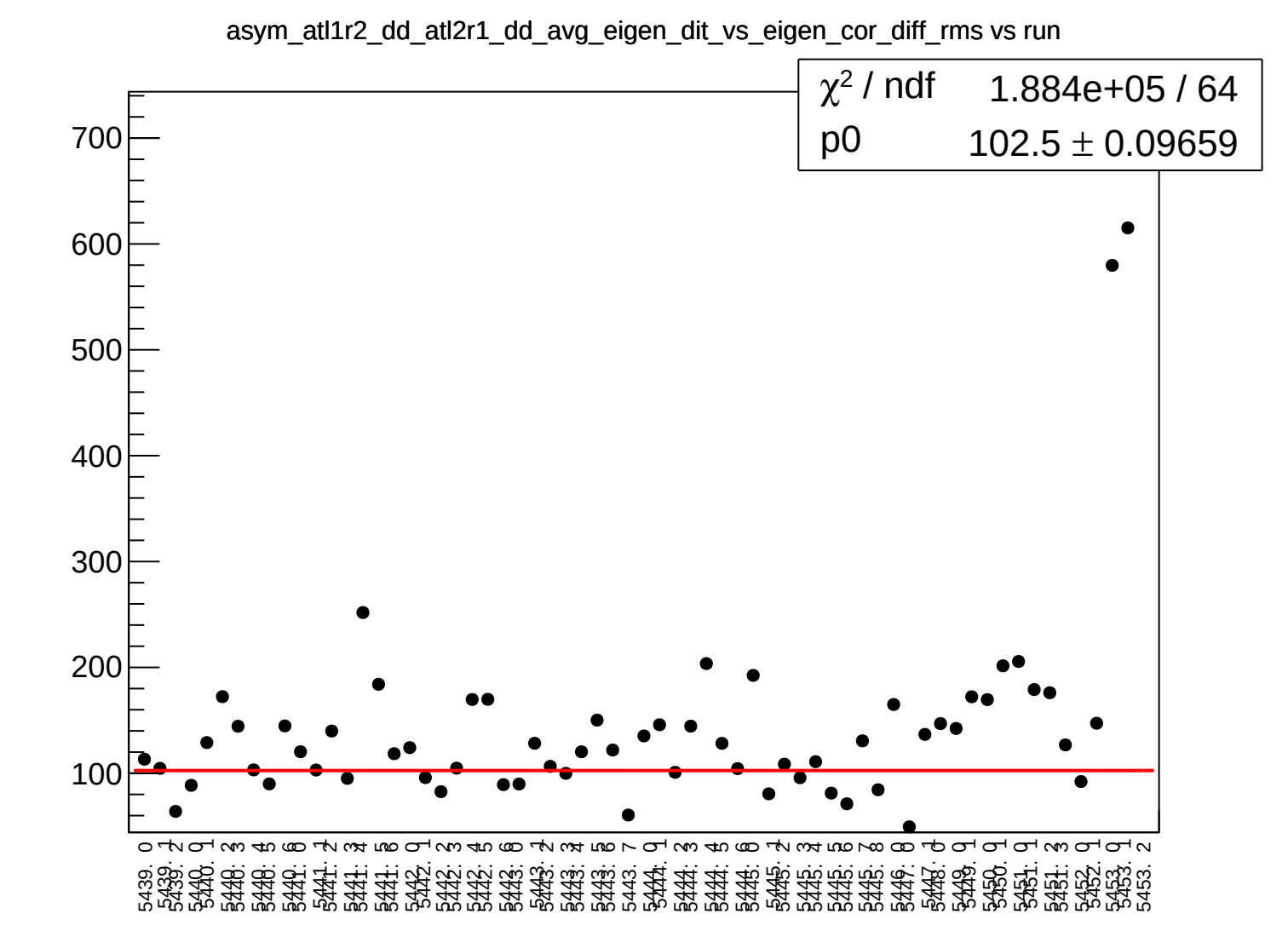

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.179e+05 / 64
p0 0.006131 ± 5.603e−06
0.008
0.007
0.006
0.005
0.004
0.003

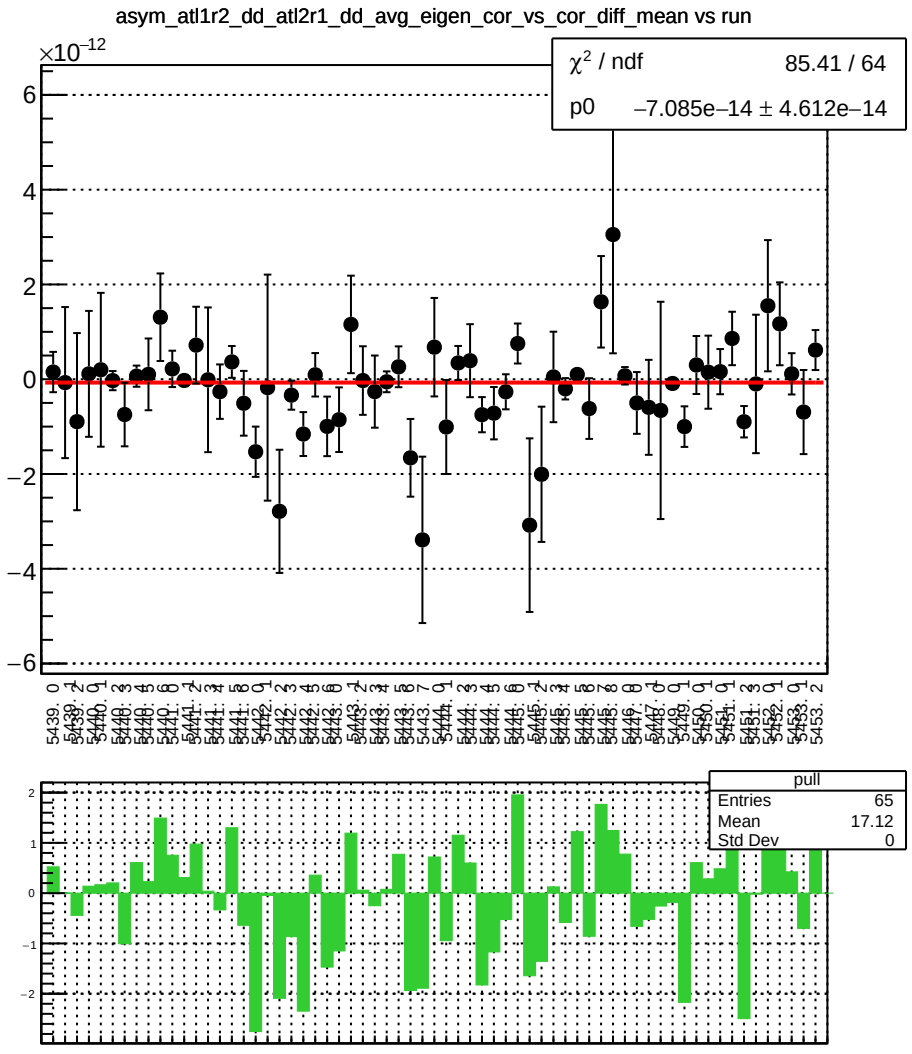

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.85
Std Dev 0

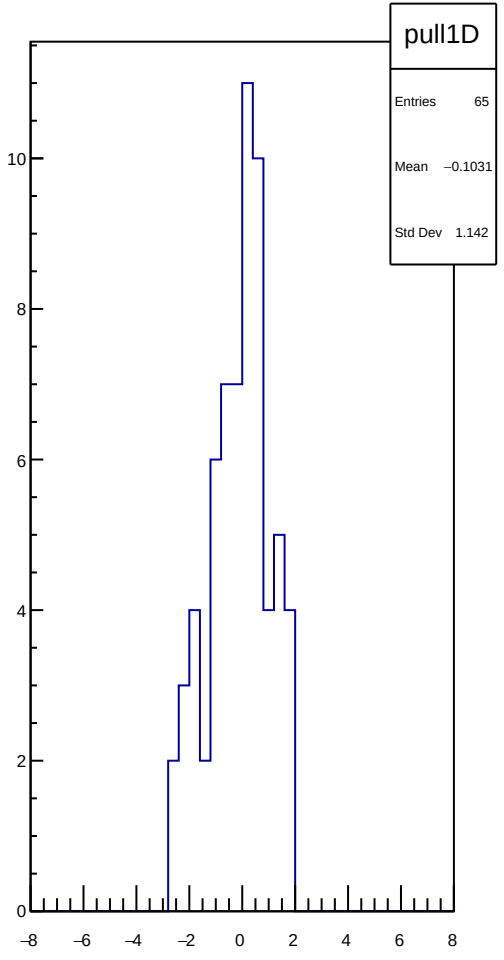

pull1D
Entries 65
Mean 0.01313
Std Dev 1.124

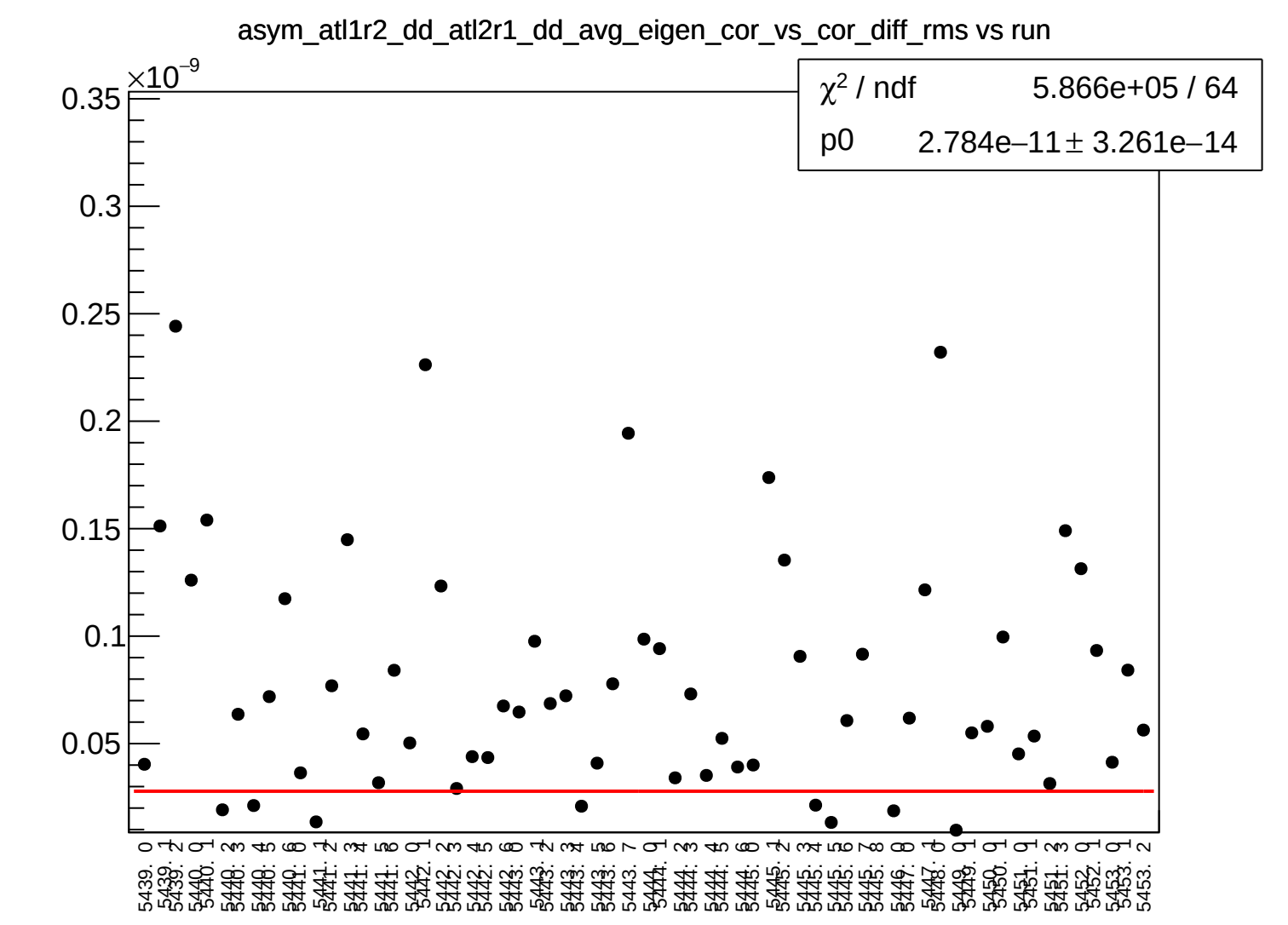

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

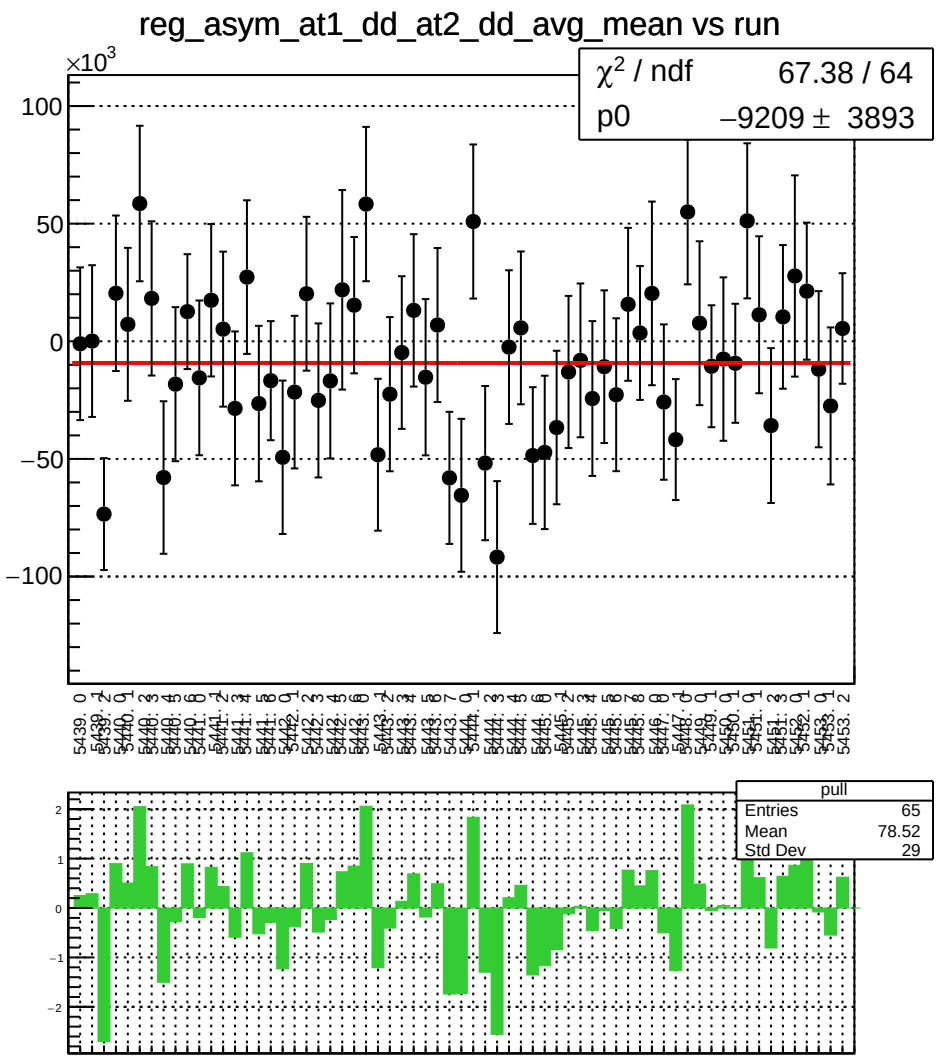

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.08 / 64
p0 0.2606 ± 0.1366
pull
Entries 65
Mean −31.85
Std Dev 0
pull1D
Entries 65
Mean 0.01313
Std Dev 1.124

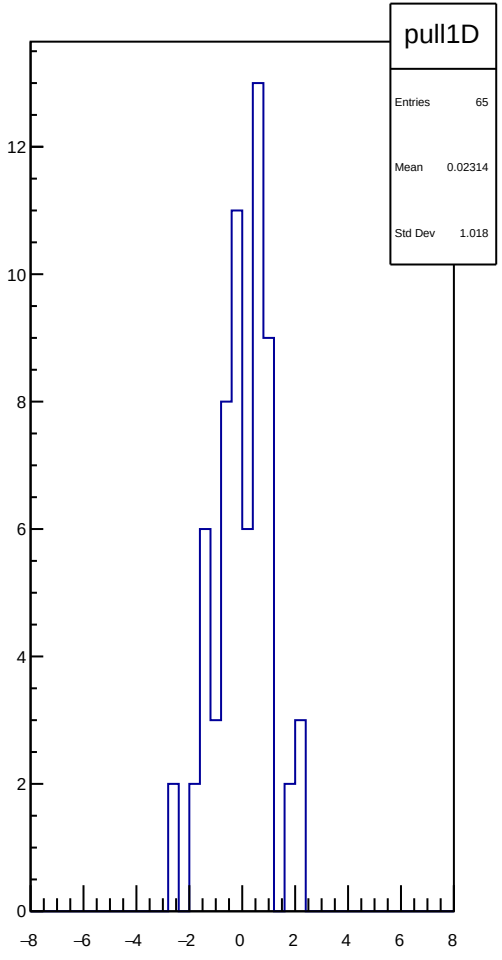

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.884e+05 / 64
p0 102.5 ± 0.09659
700
600
500
400
300
200
100

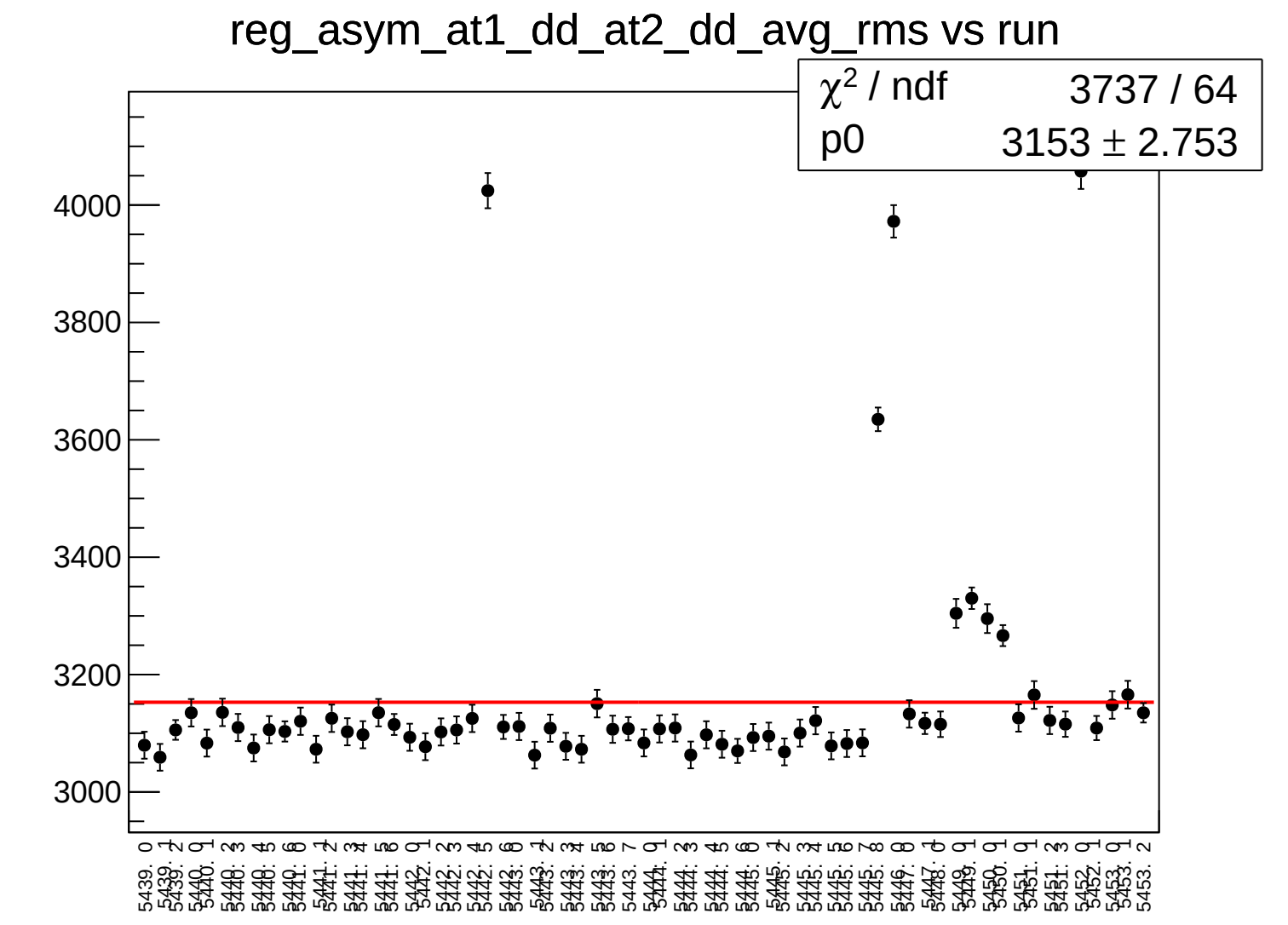

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.41 / 64
p0 −7.085e−14 ± 4.612e−14
pull
Entries 65
Mean 17.12
Std Dev 0

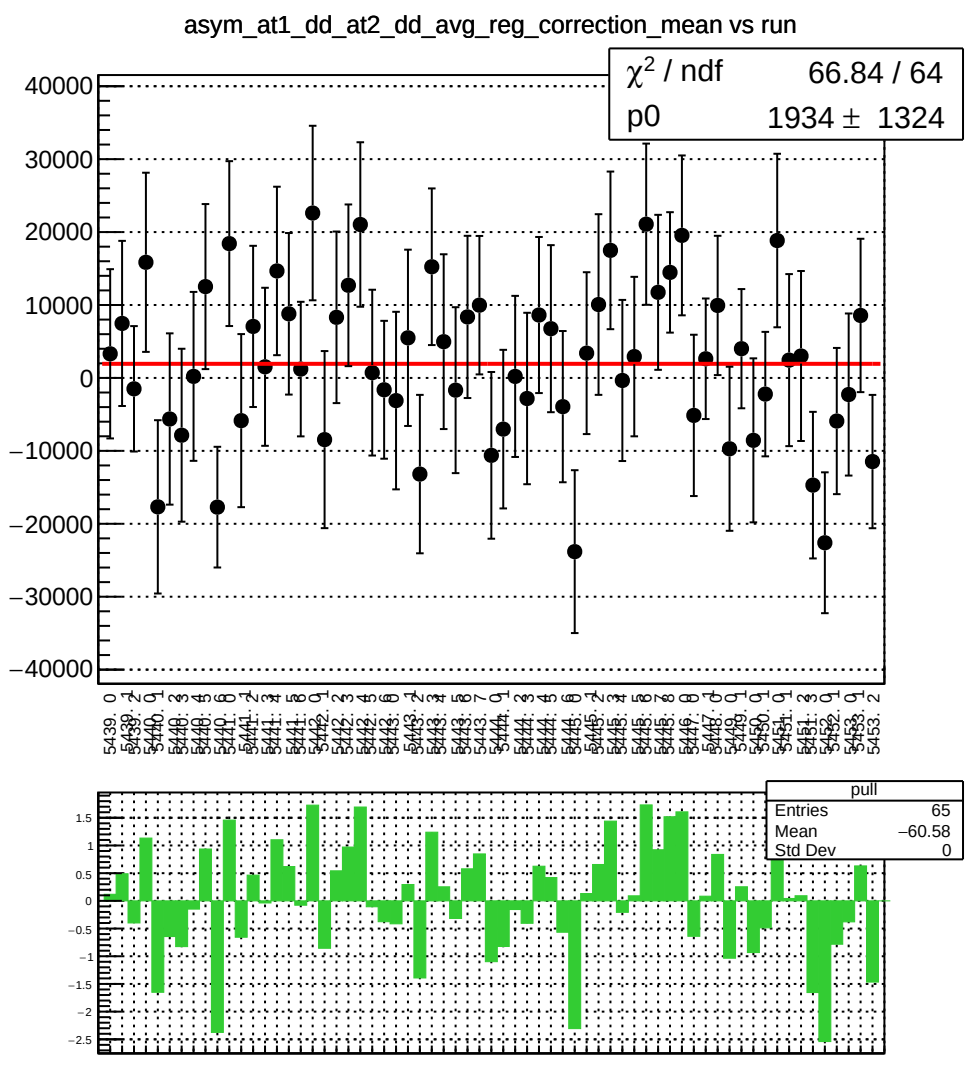

pull1D
Entries 65
Mean −0.1031
Std Dev 1.142

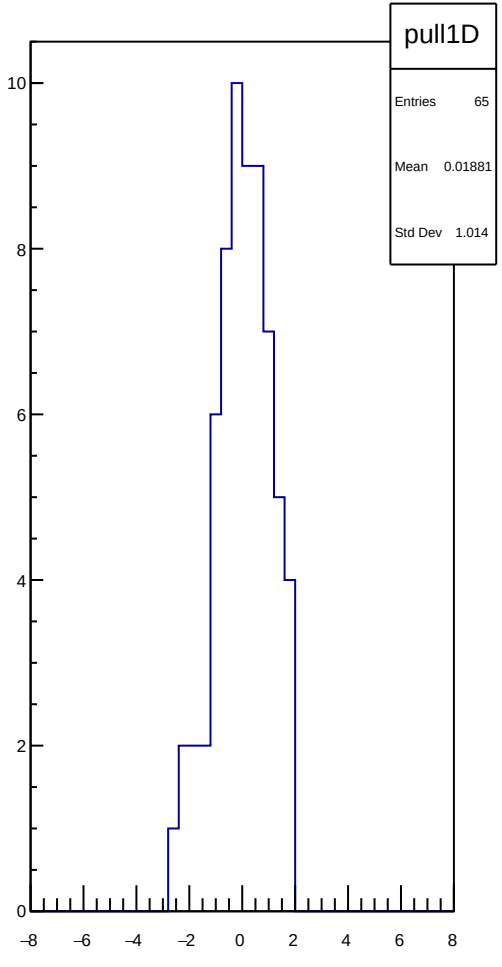

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.866e+05 / 64
p0 2.784e−11 ± 3.261e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

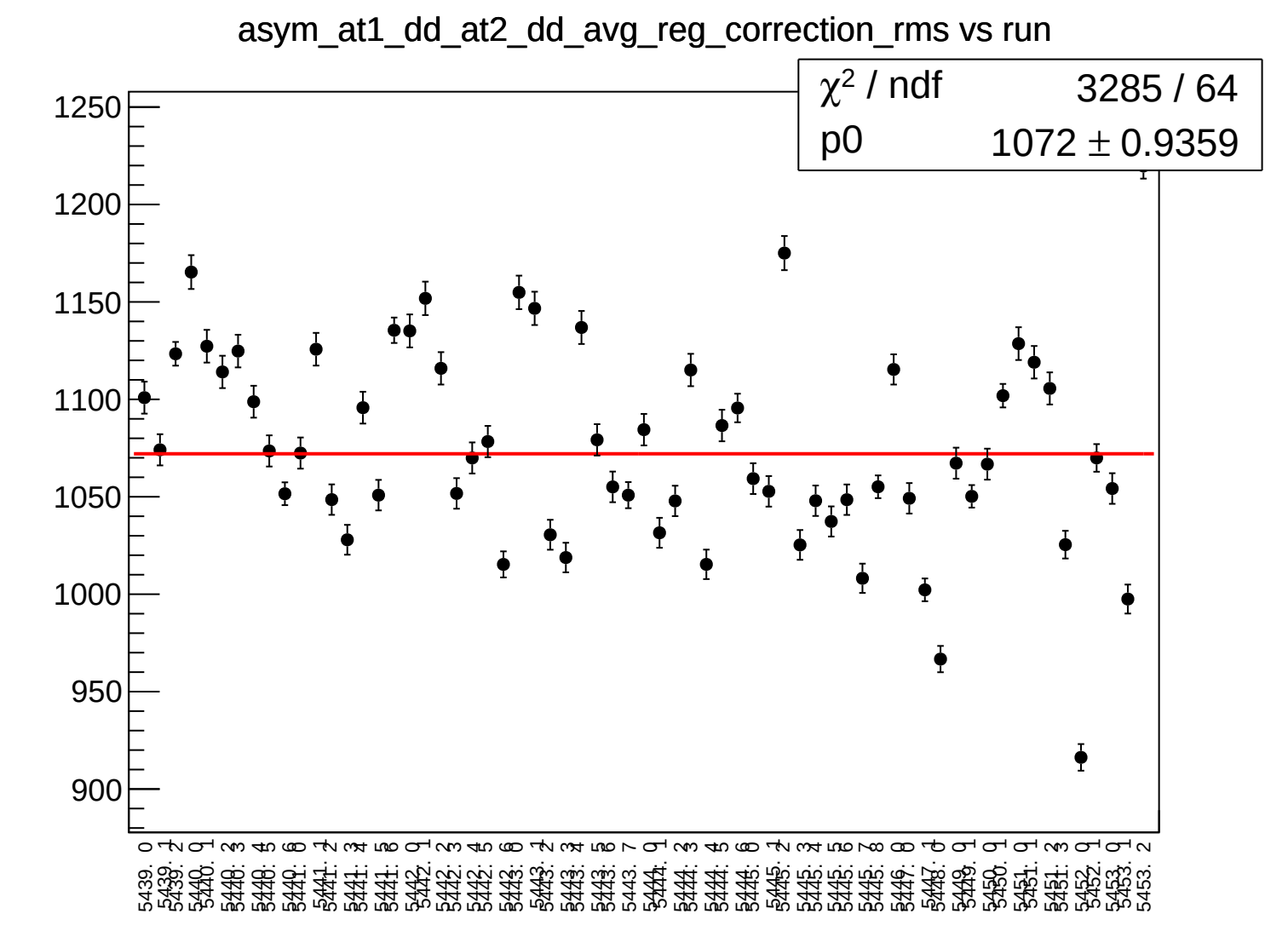

reg_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 67.38 / 64
p0 −9209 ± 3893
100
50
0
−50
−100
pull
Entries 65
Mean 78.52
Std Dev 29
2
1
0
−1
−2

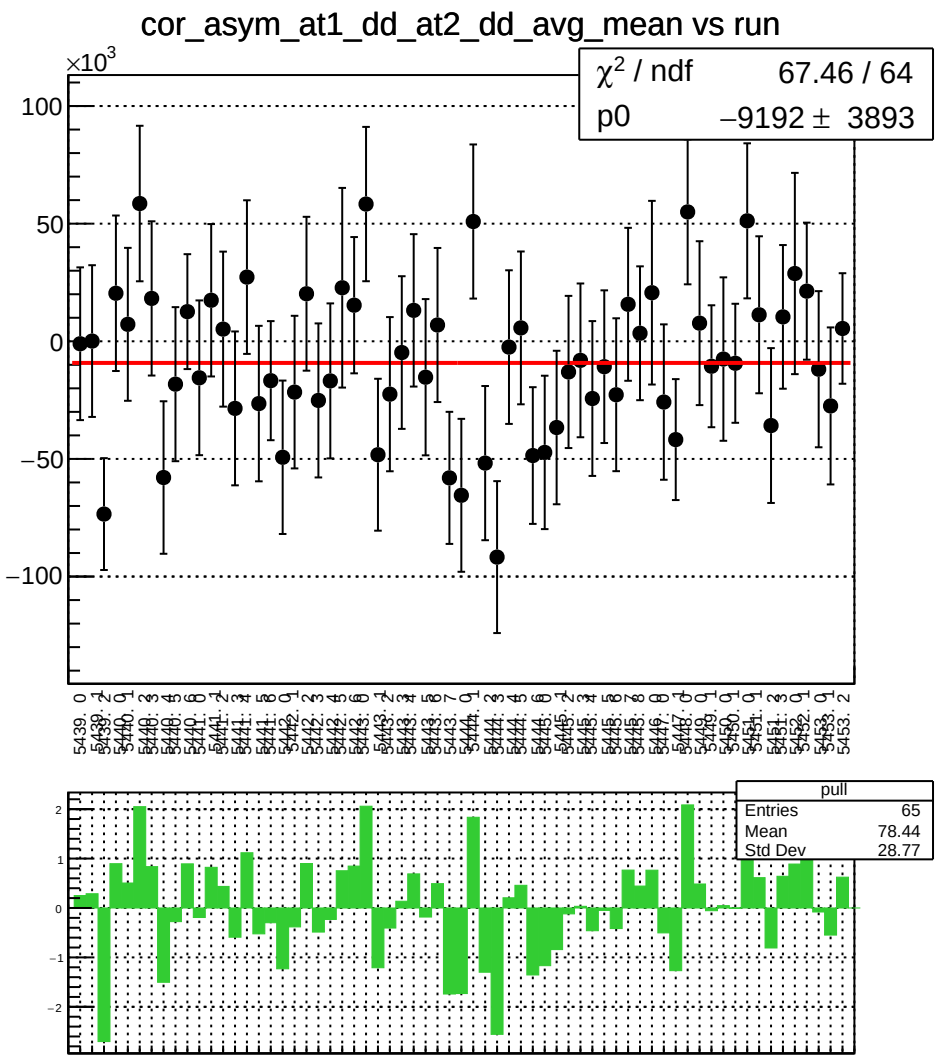

pull1D
Entries 65
Mean 0.02314
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

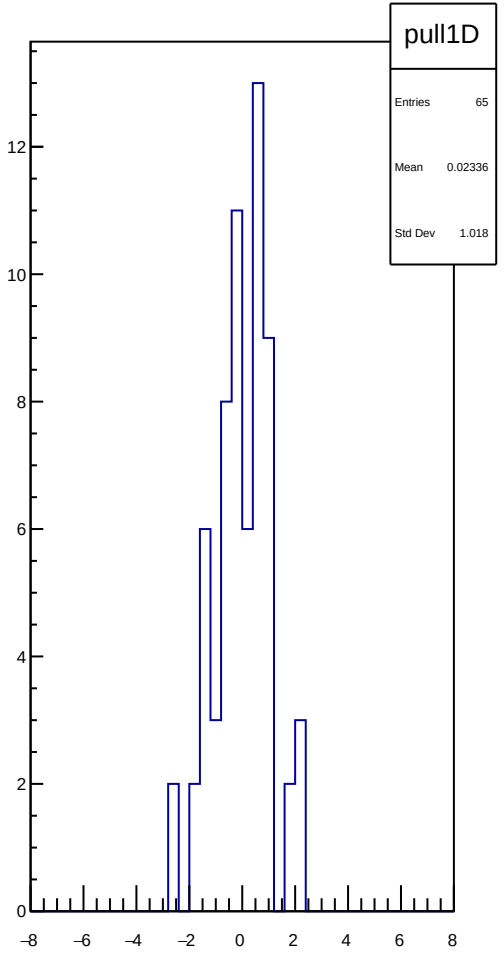

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3737 / 64
p0 3153 ± 2.753
4000
3800
3600
3400
3200
3000

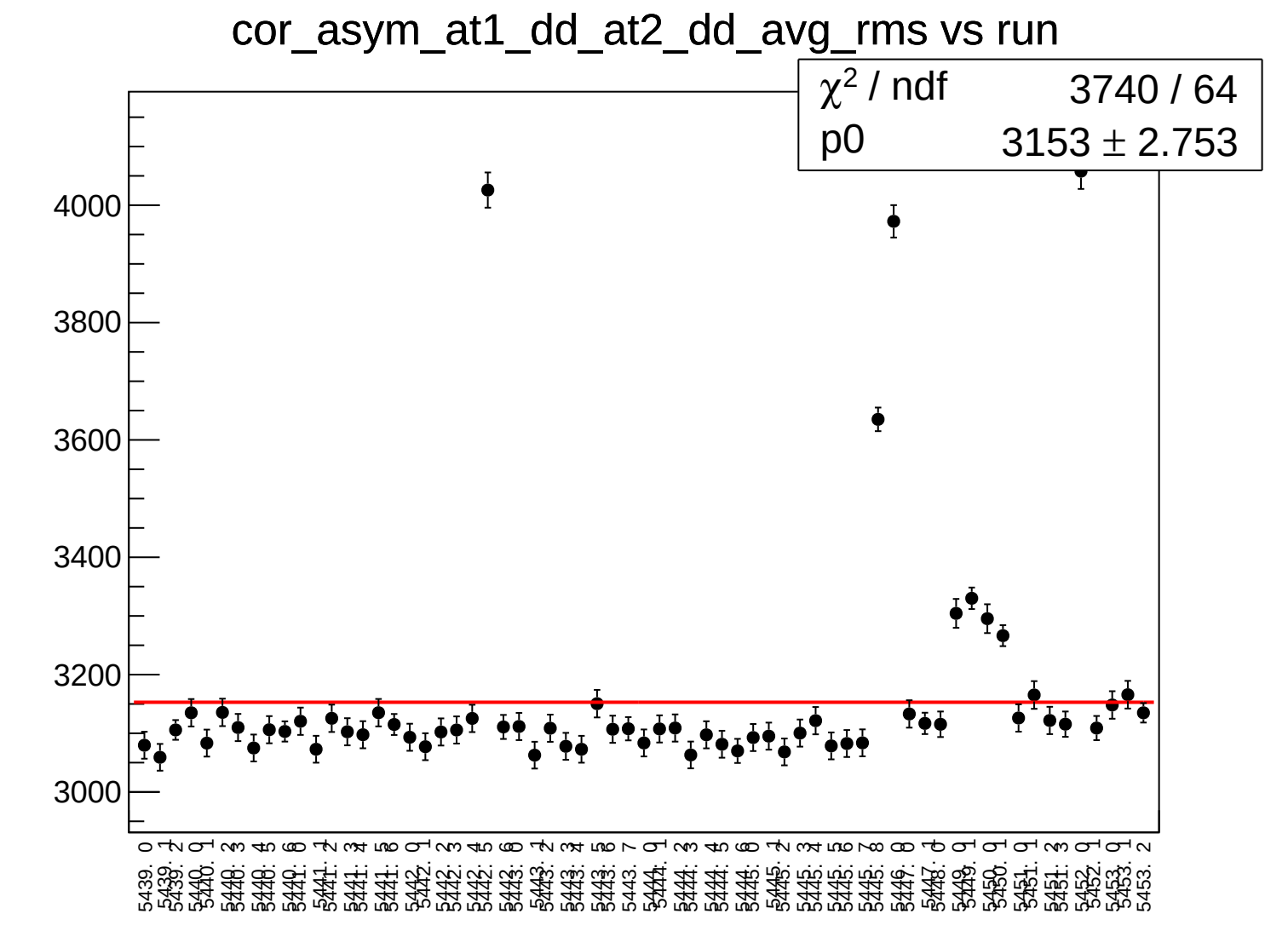

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 66.84 / 64
p0 1934 ± 1324
pull
Entries 65
Mean −60.58
Std Dev 0

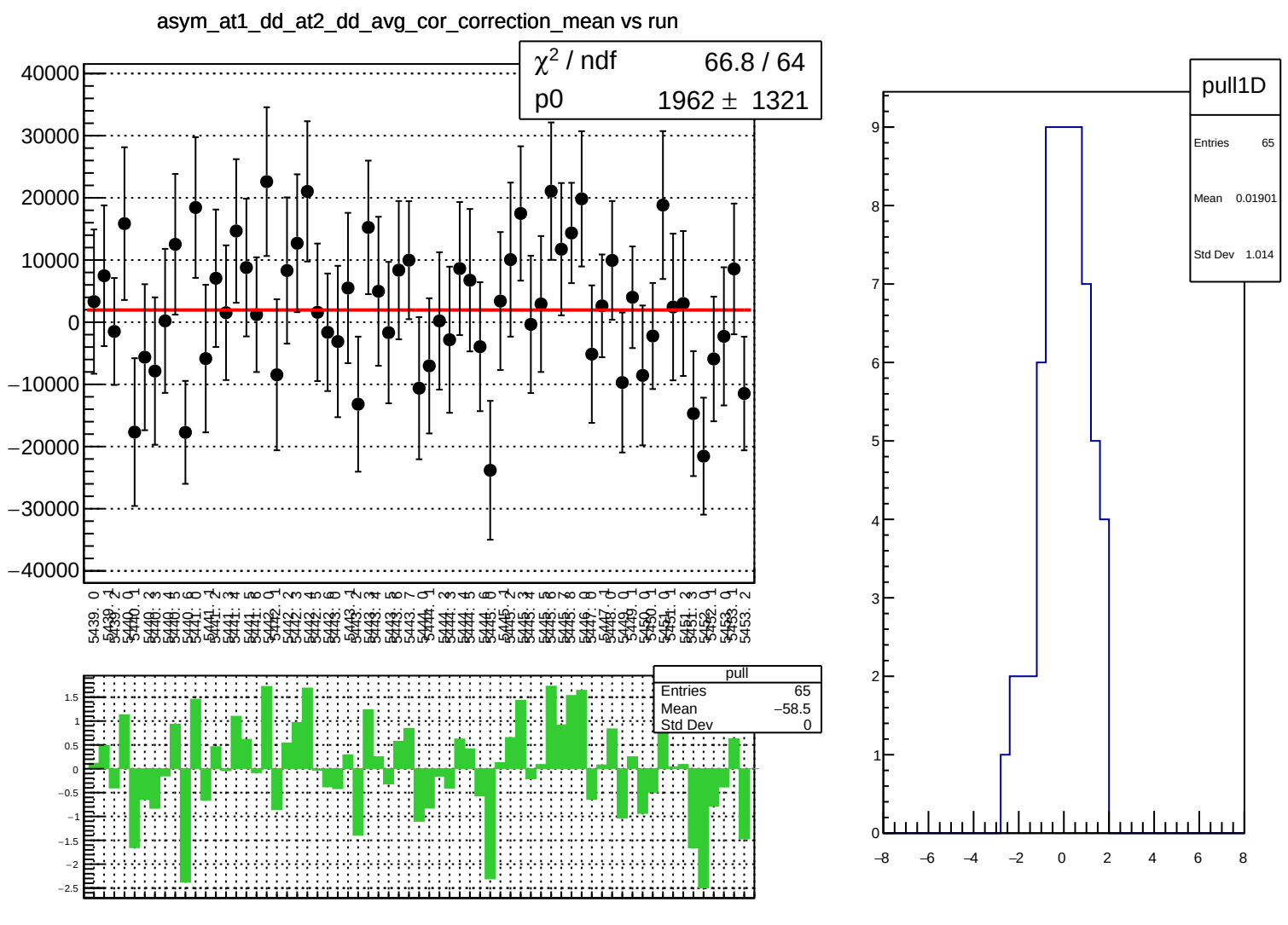

pull1D
Entries 65
Mean 0.01881
Std Dev 1.014

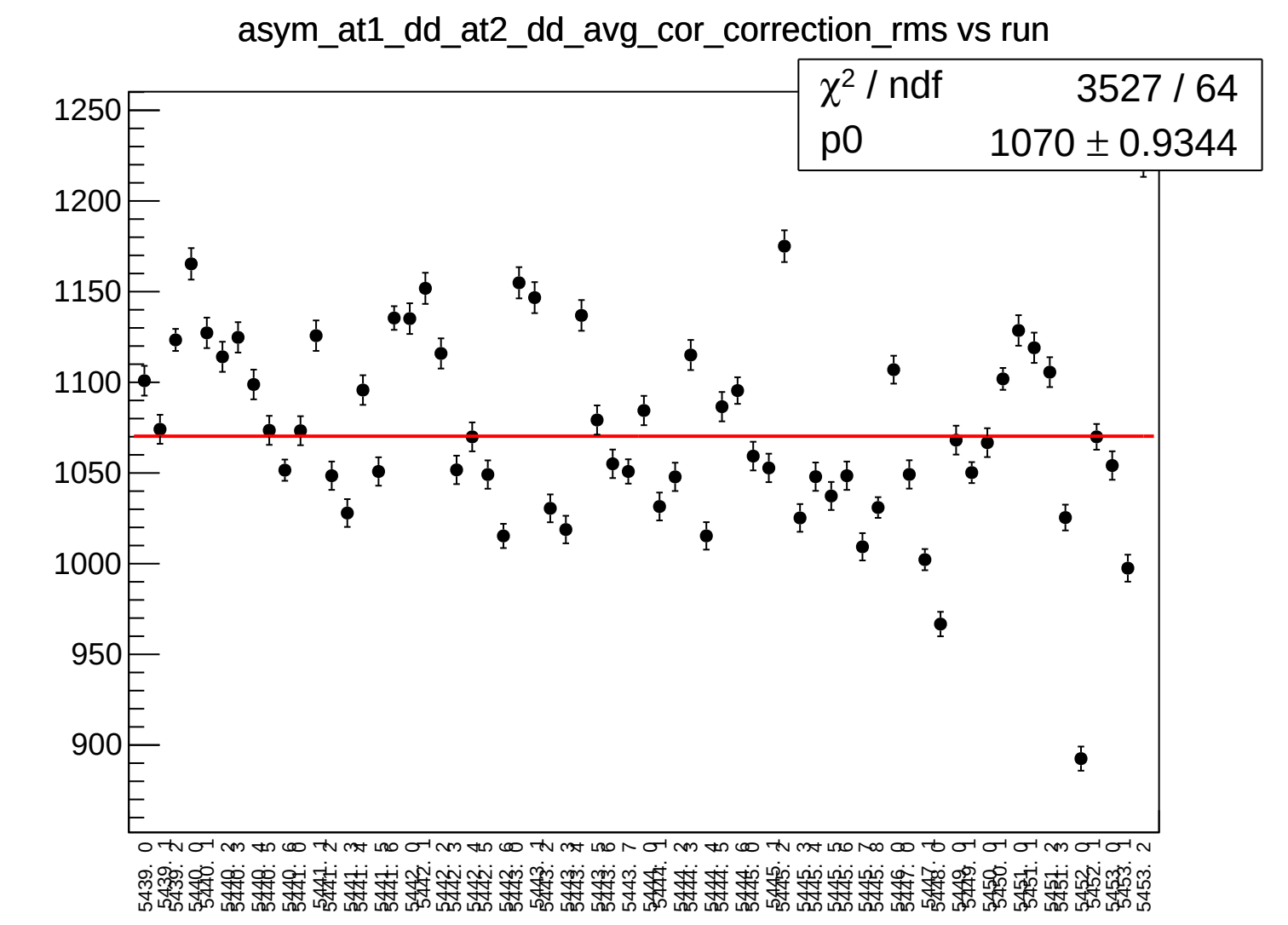

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 3285 / 64
p0 1072 ± 0.9359
1250
1200
1150
1100
1050
1000
950
900

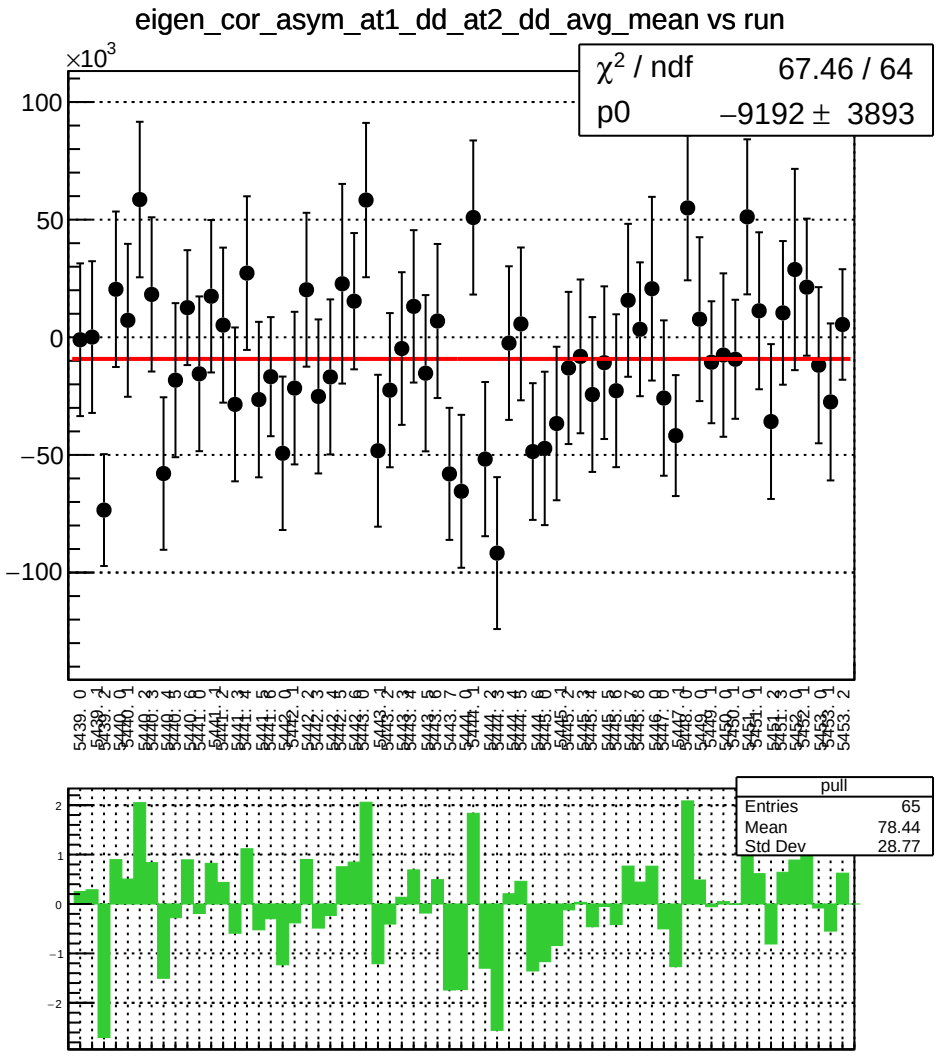

cor_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 67.46 / 64
p0 −9192 ± 3893
100
50
0
−50
−100
pull
Entries 65
Mean 78.44
Std Dev 28.77
2
1
0
−1
−2

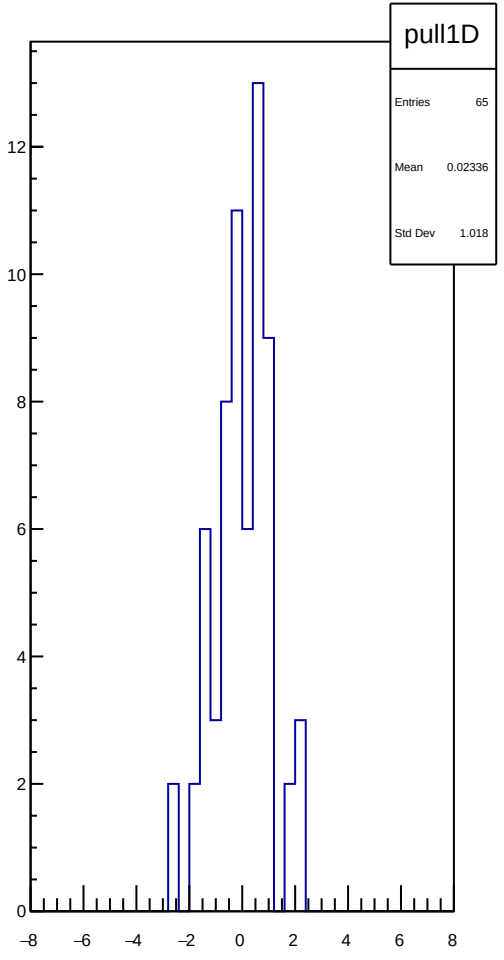

pull1D
Entries 65
Mean 0.02336
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

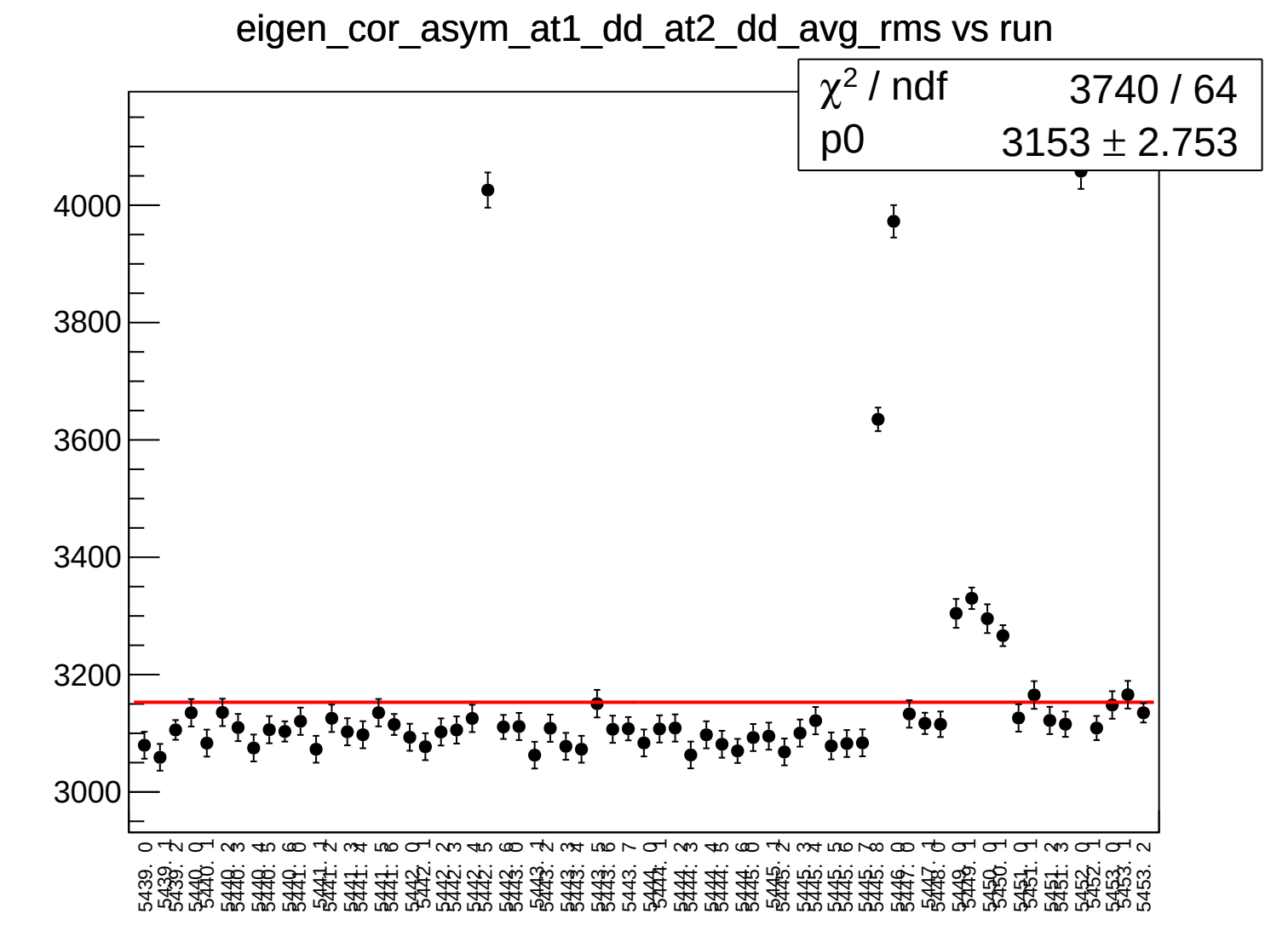

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3740 / 64
p0 3153 ± 2.753
4000
3800
3600
3400
3200
3000

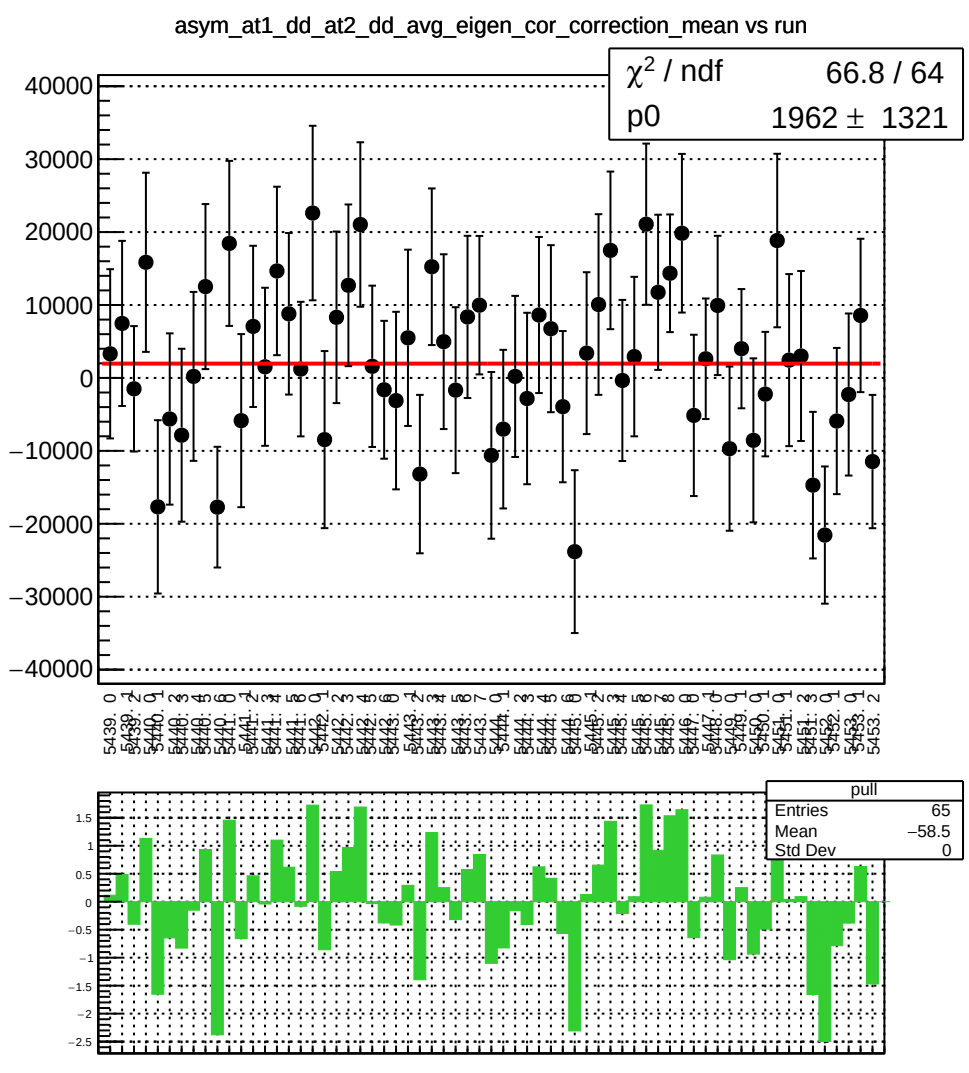

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 66.8 / 64
p0 1962 ± 1321
pull
Entries 65
Mean −58.5
Std Dev 0
pull1D
Entries 65
Mean 0.01901
Std Dev 1.014

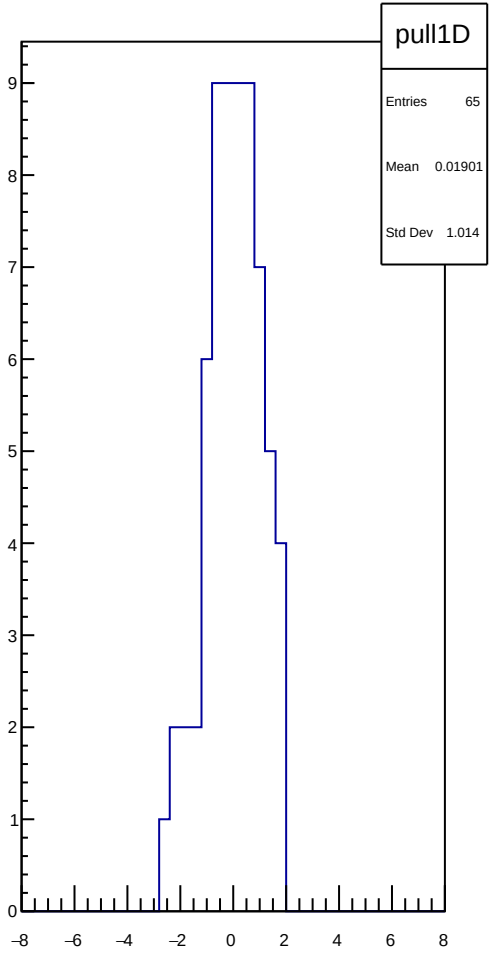

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 3527 / 64
p0 1070 ± 0.9344
1250
1200
1150
1100
1050
1000
950
900

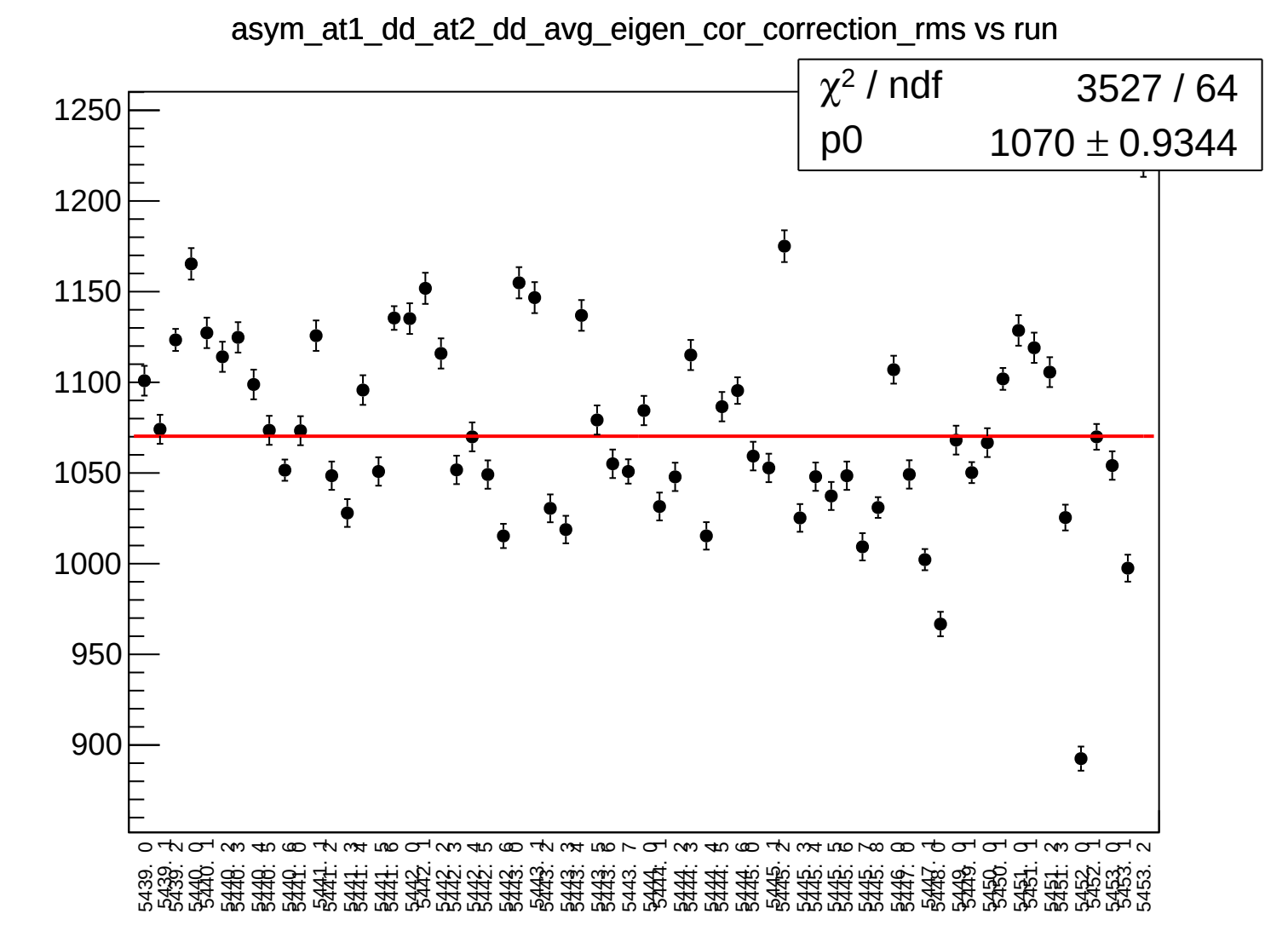

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 67.46 / 64
p0 −9192 ± 3893
100
50
0
−50
−100
pull
Entries 65
Mean 78.44
Std Dev 28.77
2
1
0
−1
−2

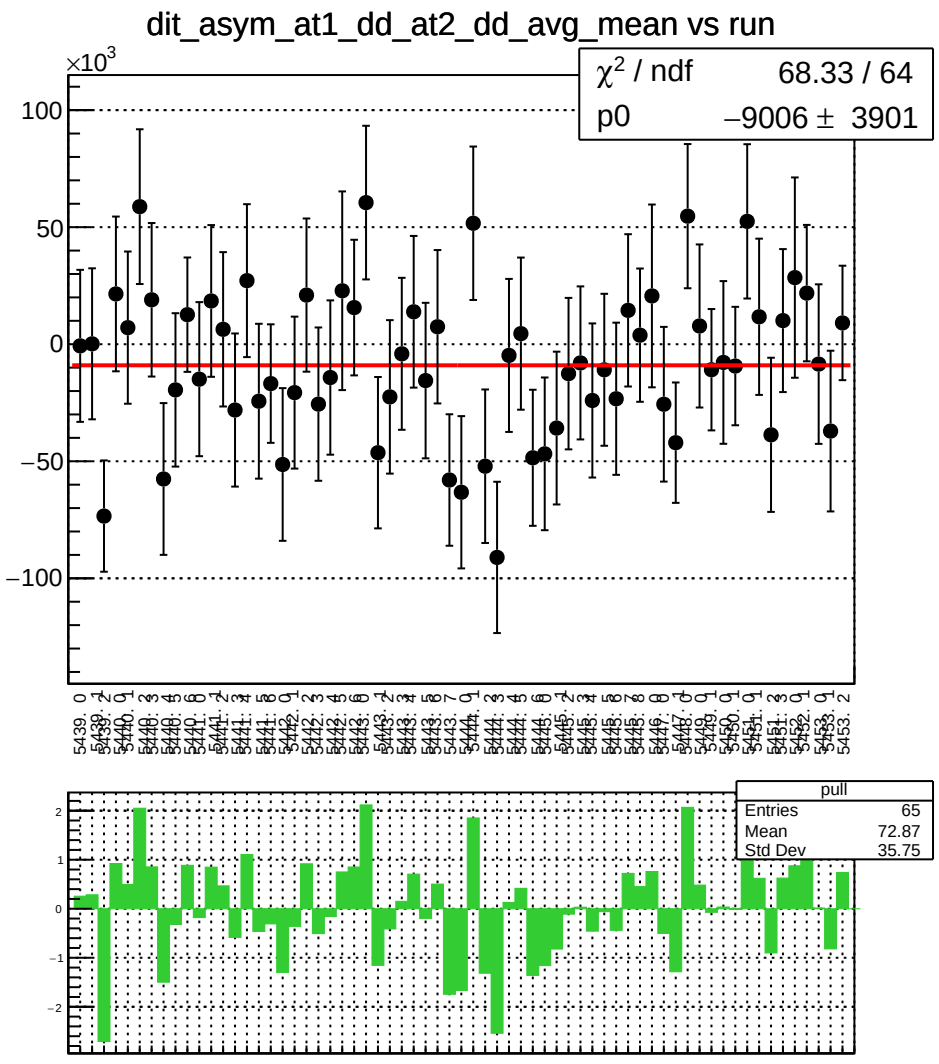

pull1D
Entries 65
Mean 0.02336
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

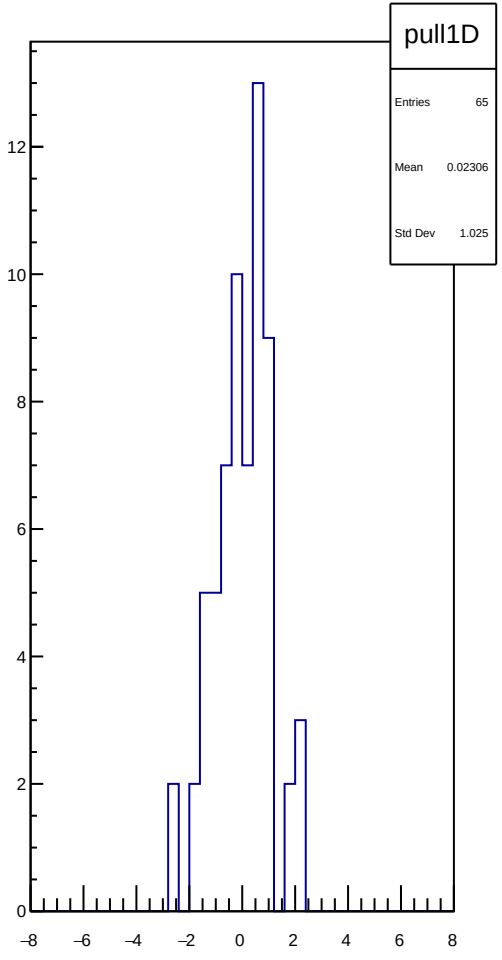

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3740 / 64
p0 3153 ± 2.753
4000
3800
3600
3400
3200
3000

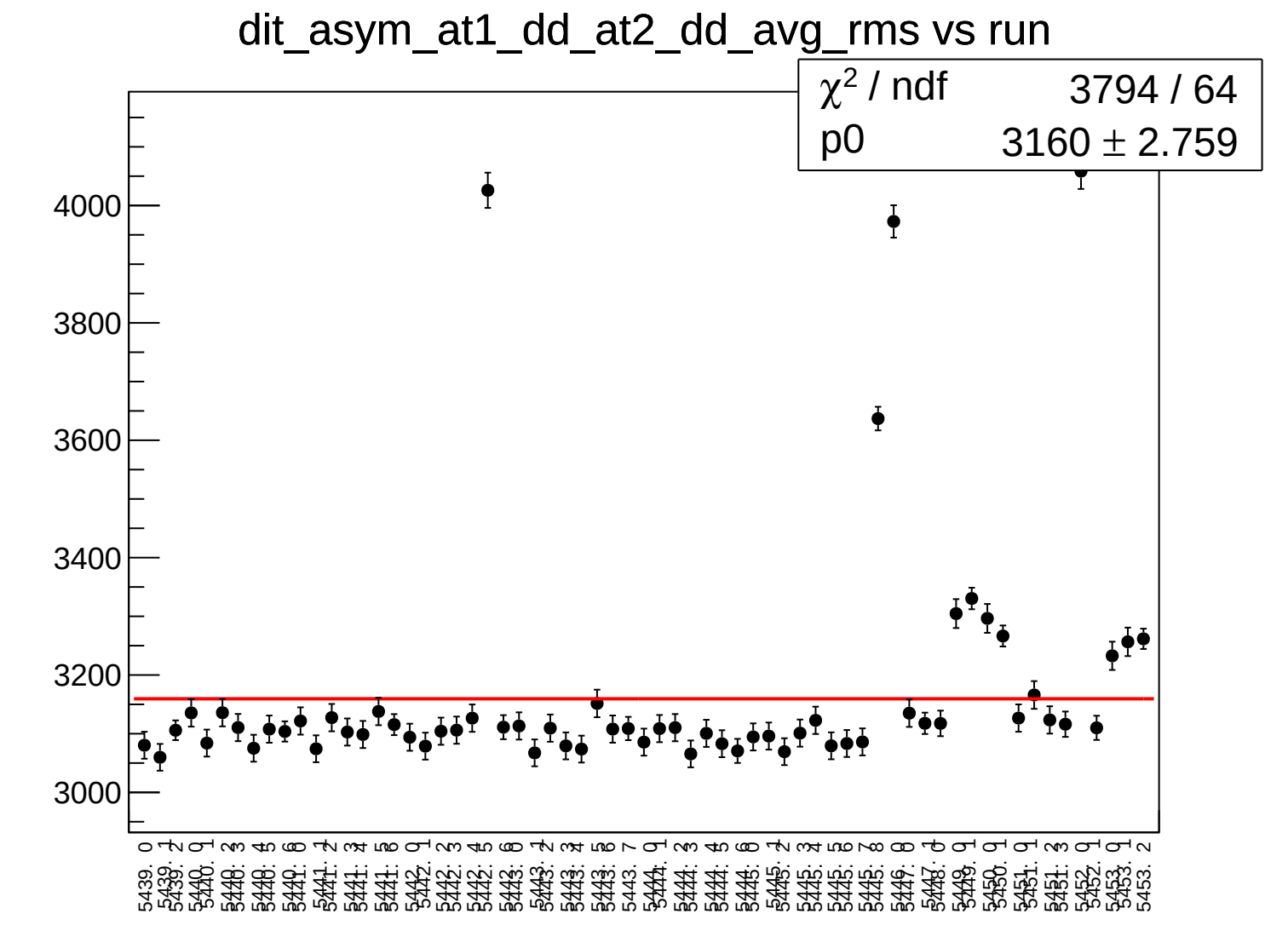

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.8 / 64
p0 1962 ± 1321
pull
Entries 65
Mean −58.5
Std Dev 0

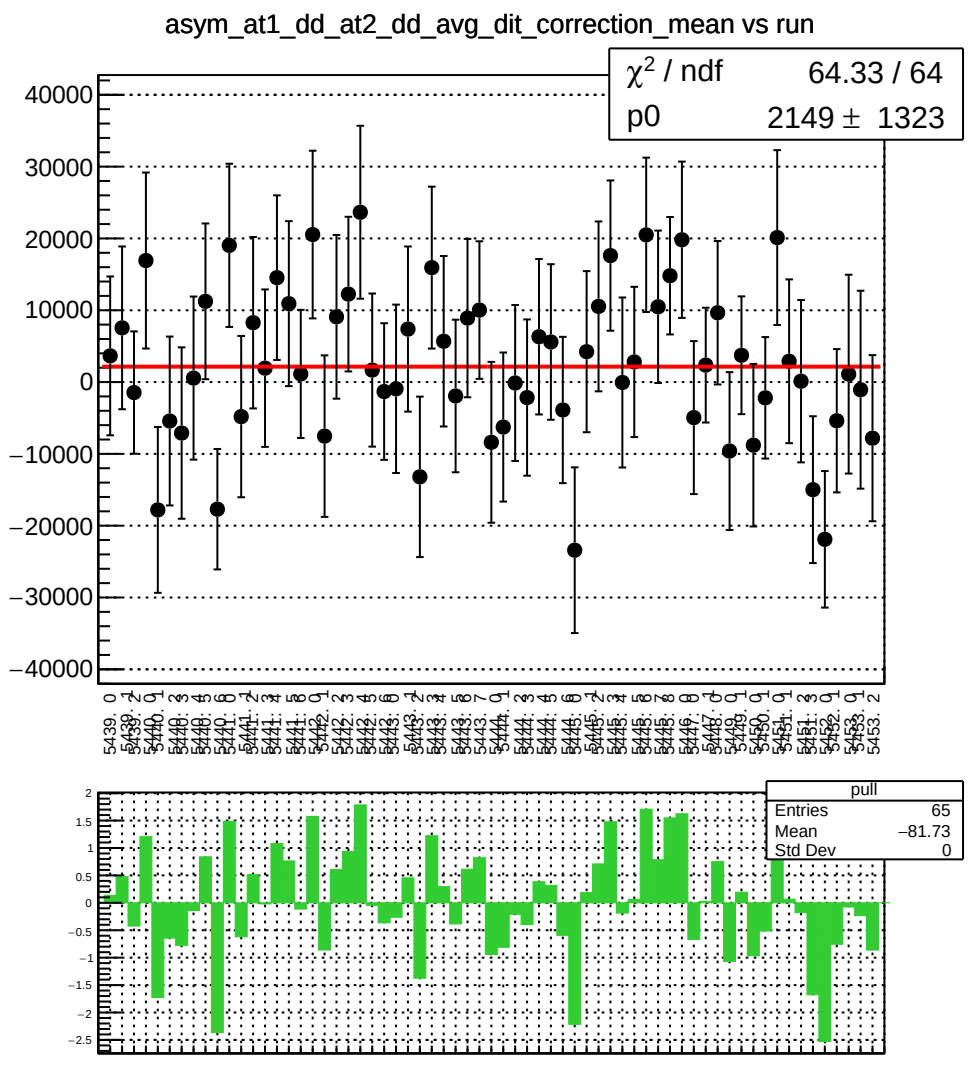

pull1D
Entries 65
Mean 0.01901
Std Dev 1.014

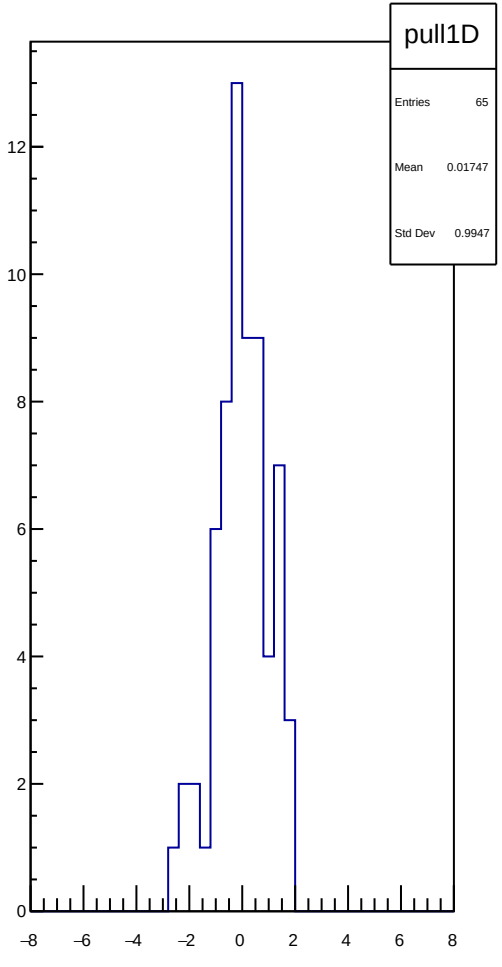

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3527 / 64
p0 1070 ± 0.9344
1250
1200
1150
1100
1050
1000
950
900

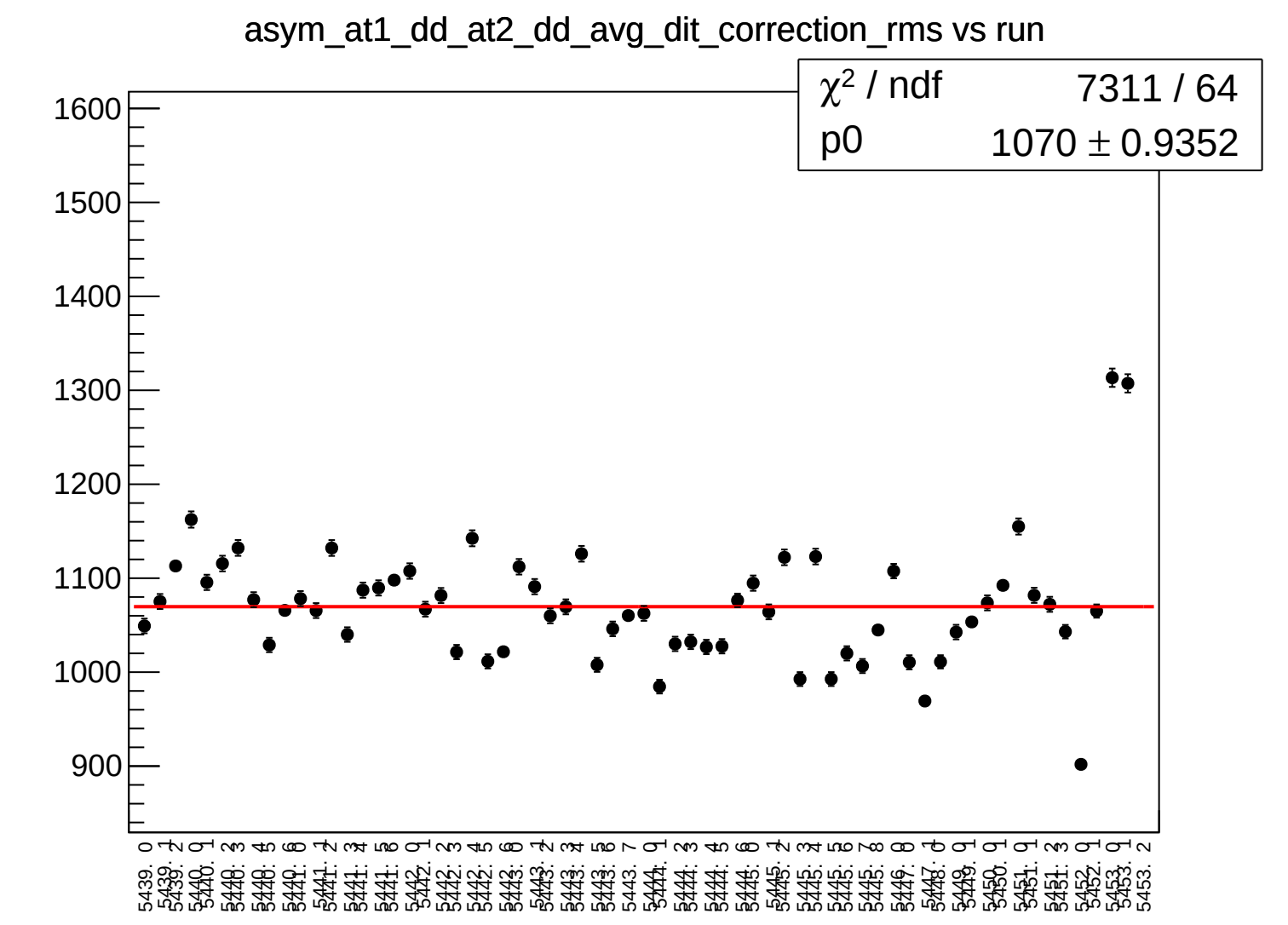

dit_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 68.33 / 64
p0 −9006 ± 3901
100
50
0
−50
−100
pull
Entries 65
Mean 72.87
Std Dev 35.75
2
1
0
−1
−2

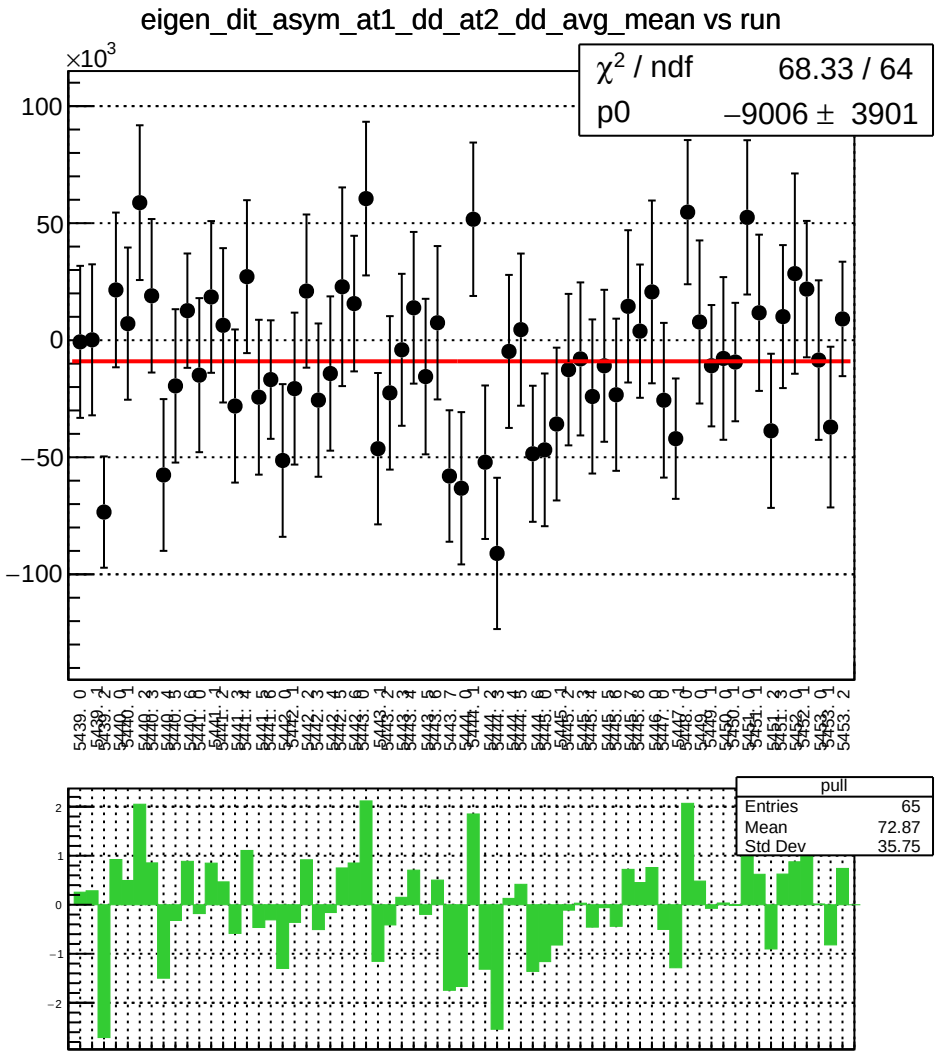

pull1D
Entries 65
Mean 0.02306
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

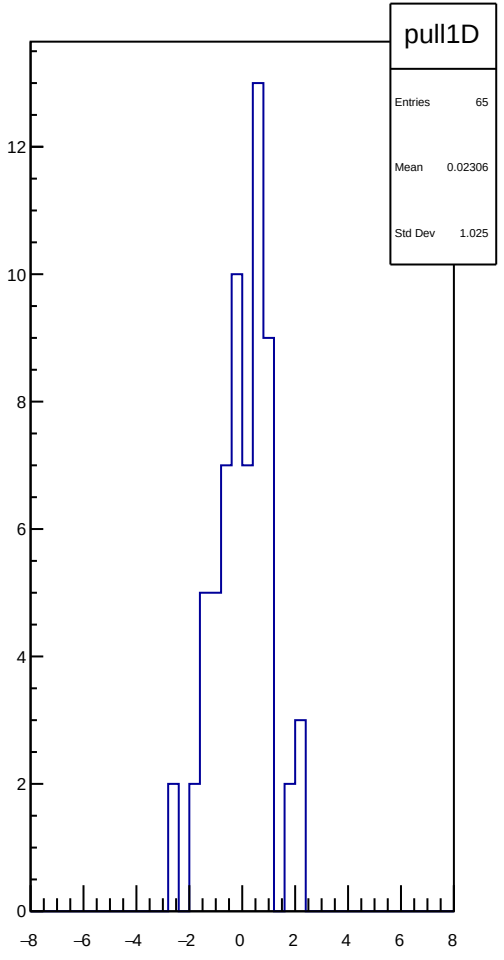

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3794 / 64
p0 3160 ± 2.759
4000
3800
3600
3400
3200
3000

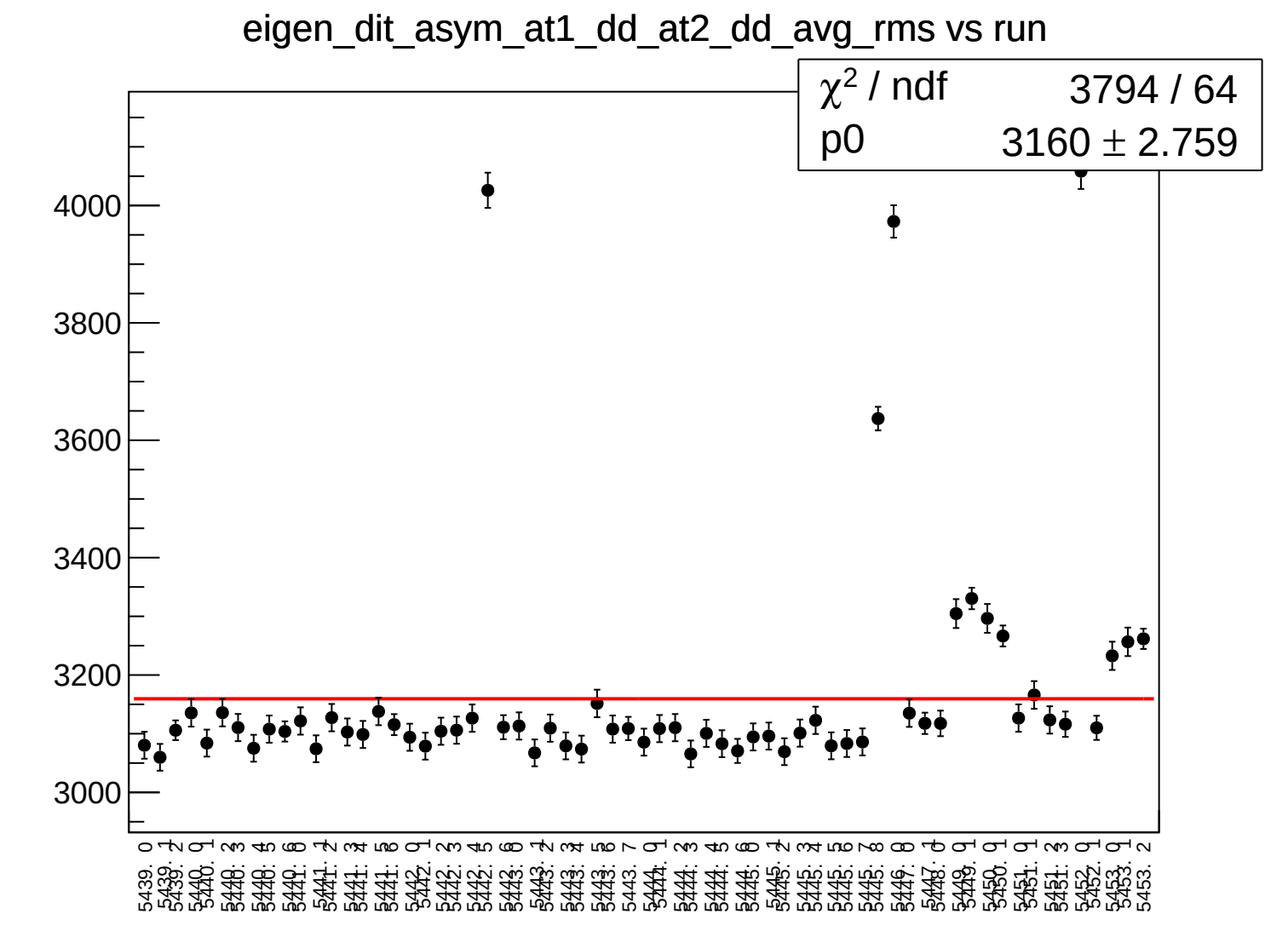

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 64.33 / 64
p0 2149 ± 1323
pull
Entries 65
Mean −81.73
Std Dev 0

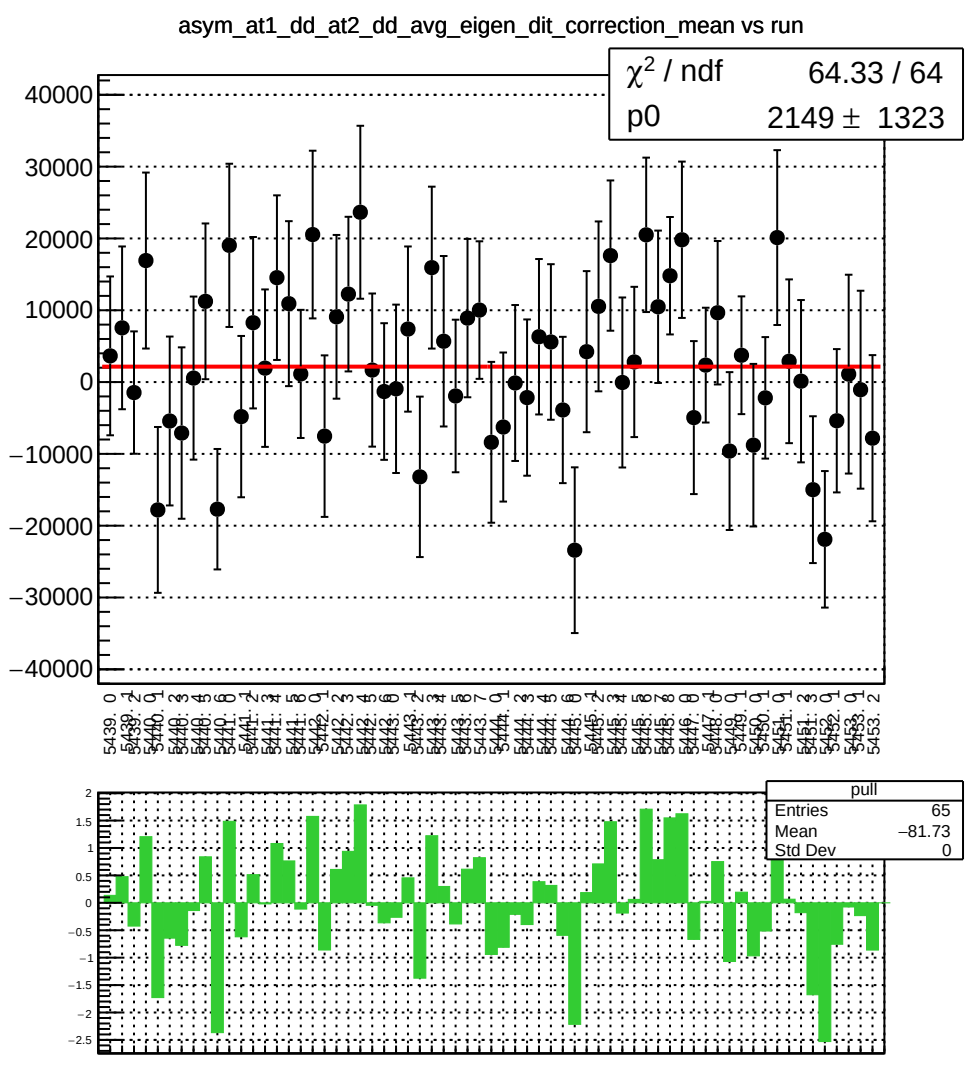

pull1D
Entries 65
Mean 0.01747
Std Dev 0.9947

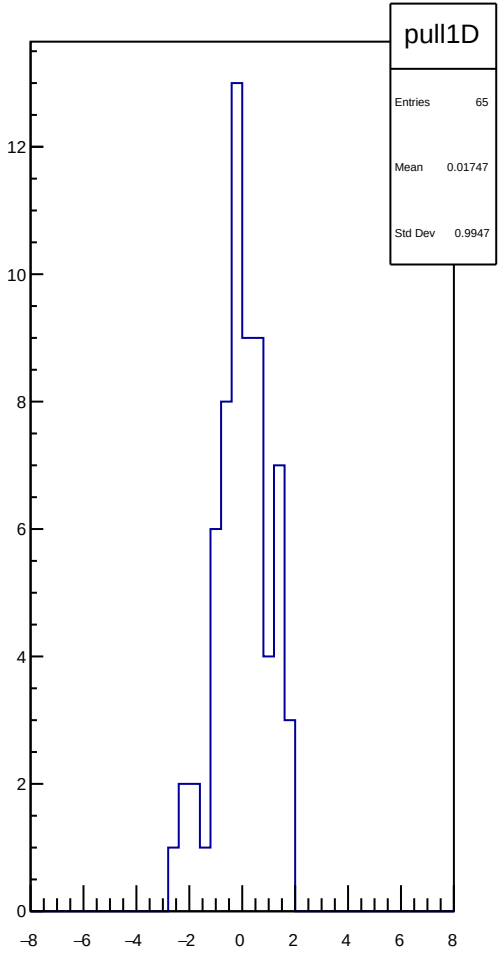

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 7311 / 64
p0 1070 ± 0.9352
1600
1500
1400
1300
1200
1100
1000
900

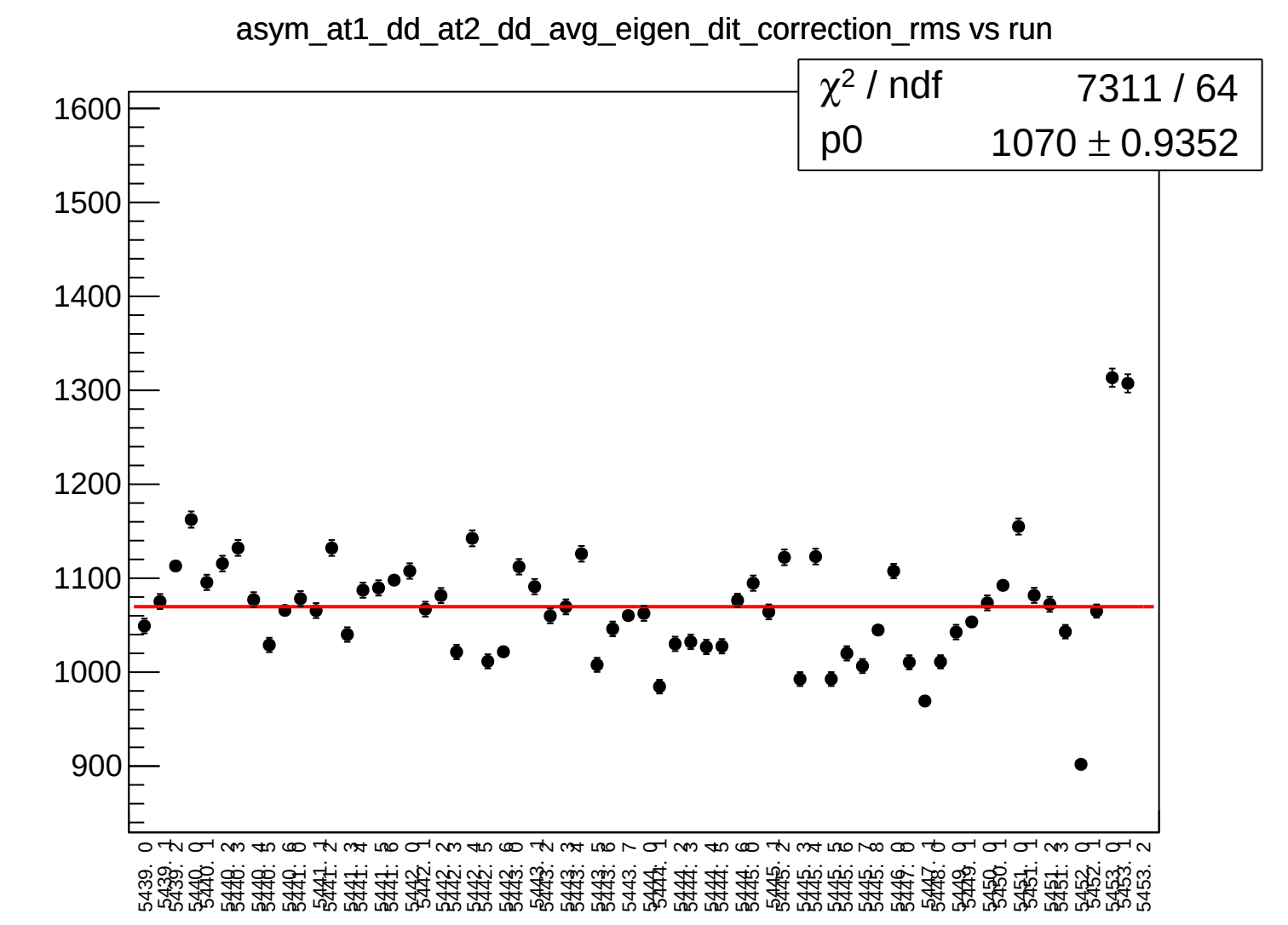

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 68.33 / 64
p0 −9006 ± 3901
100
50
0
−50
−100
pull
Entries 65
Mean 72.87
Std Dev 35.75
2
1
0
−1
−2

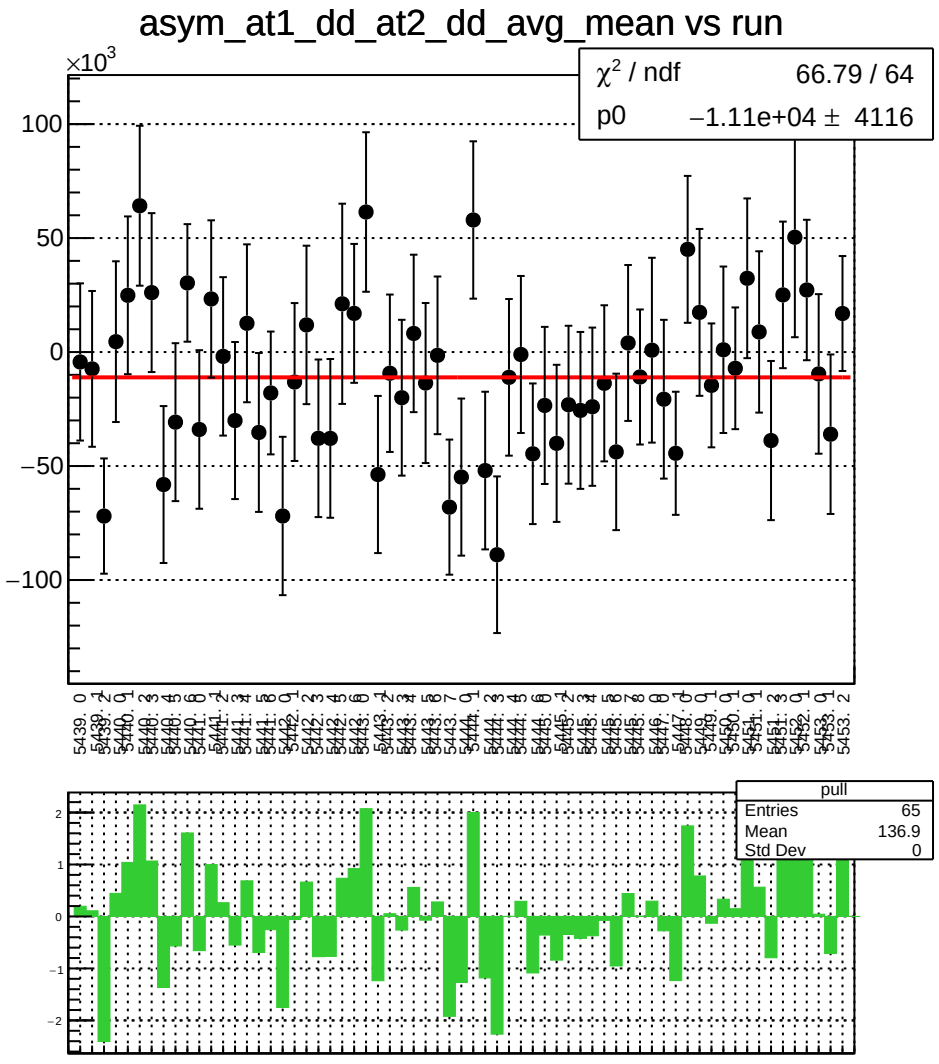

pull1D
Entries 65
Mean 0.02306
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

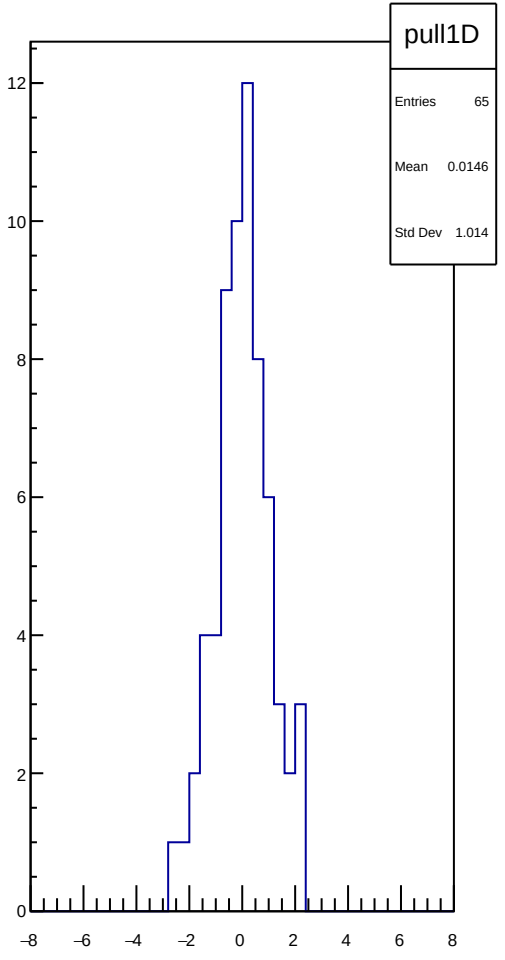

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3794 / 64
p0 3160 ± 2.759
4000
3800
3600
3400
3200
3000

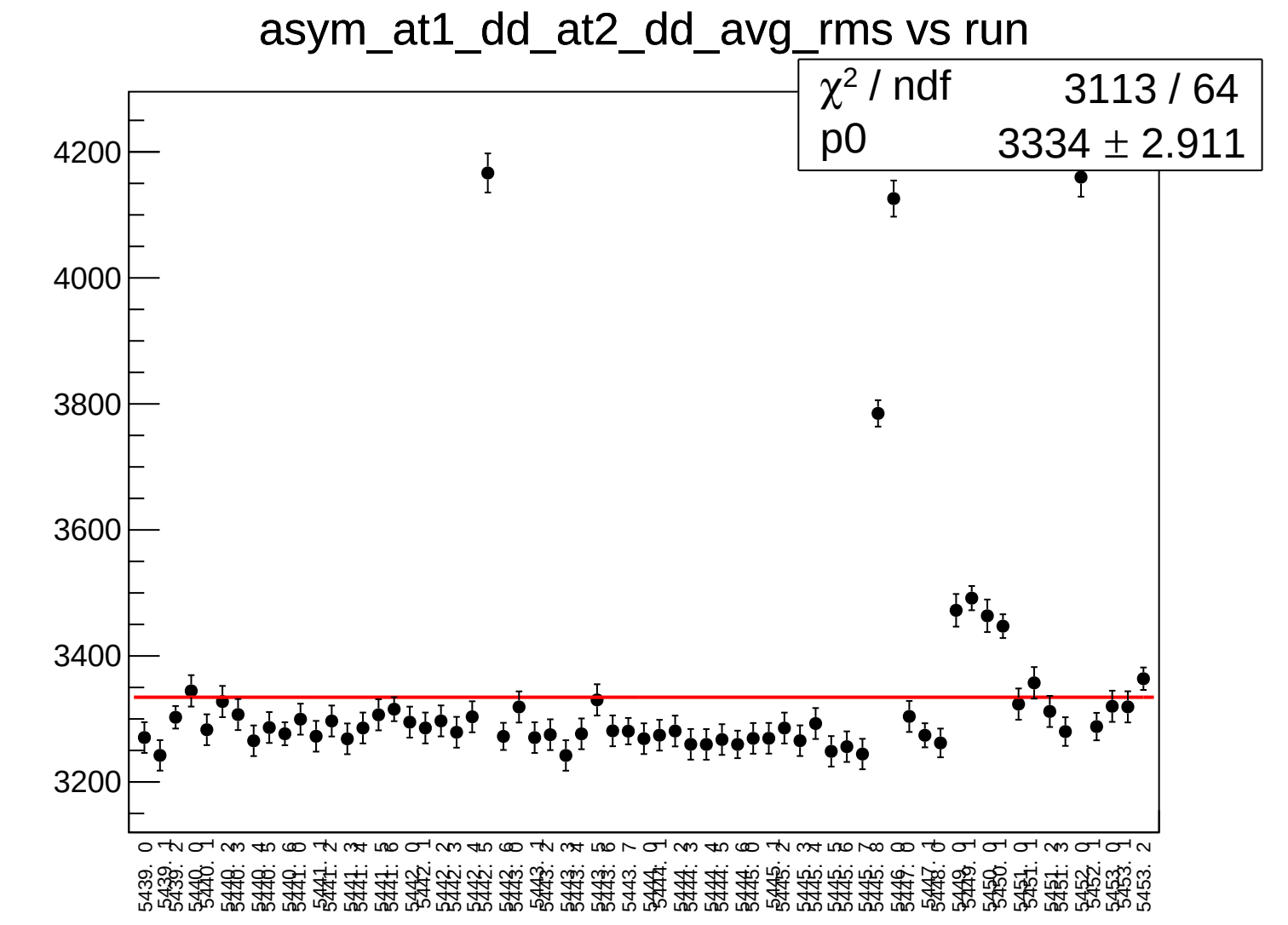

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.33 / 64
p0 2149 ± 1323
pull
Entries 65
Mean −81.73
Std Dev 0

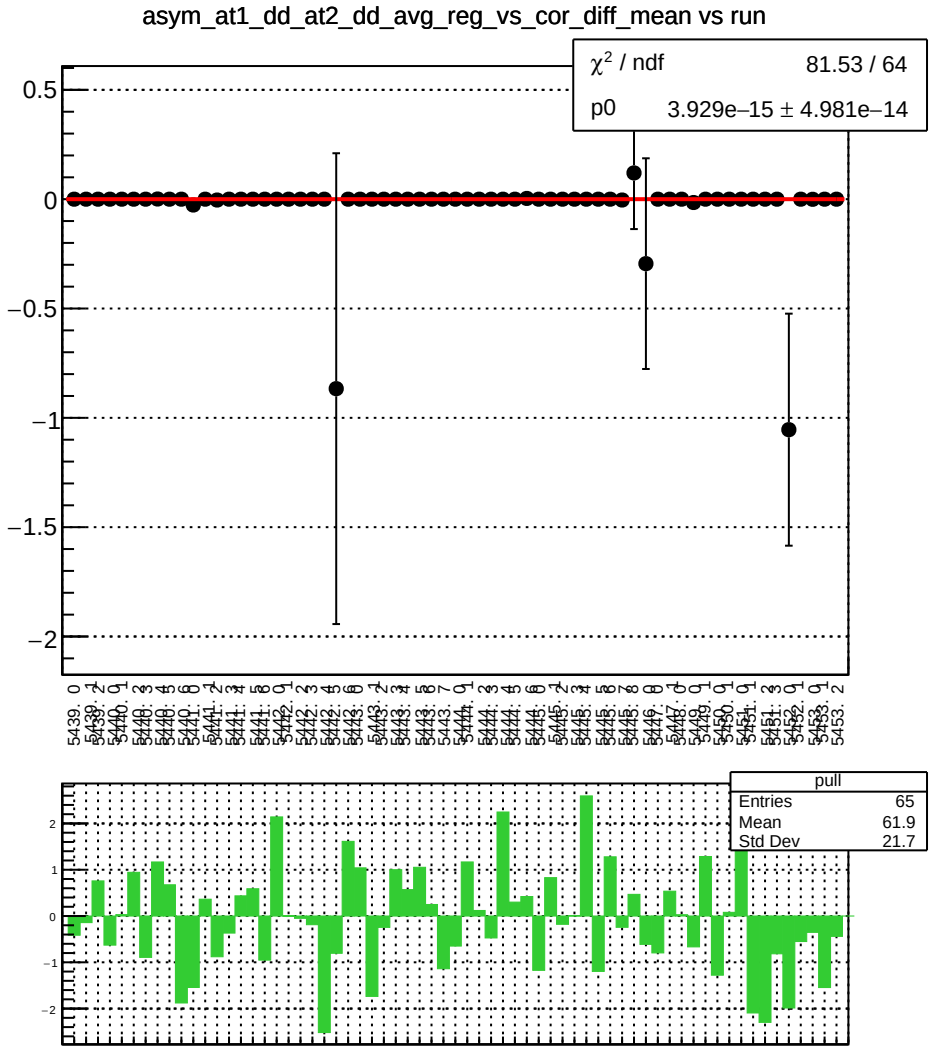

pull1D
Entries 65
Mean 0.01747
Std Dev 0.9947

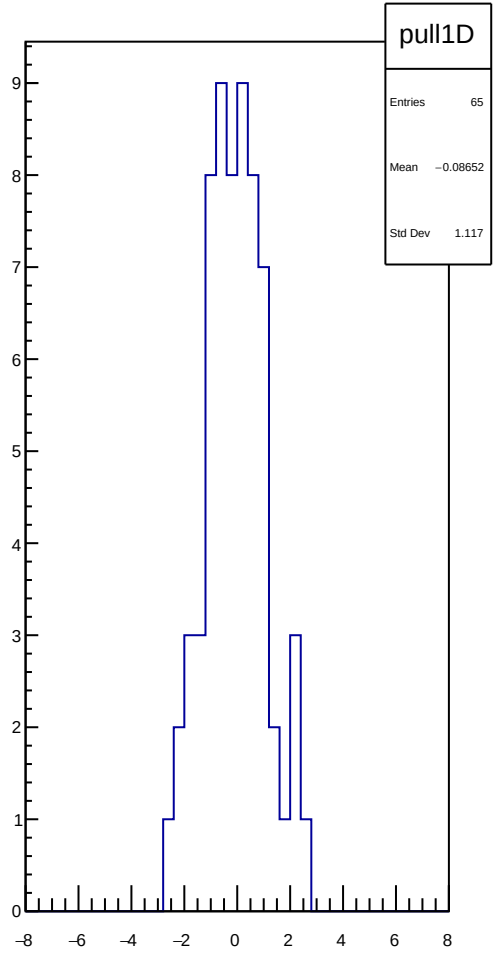

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7311 / 64
p0 1070 ± 0.9352
1600
1500
1400
1300
1200
1100
1000
900

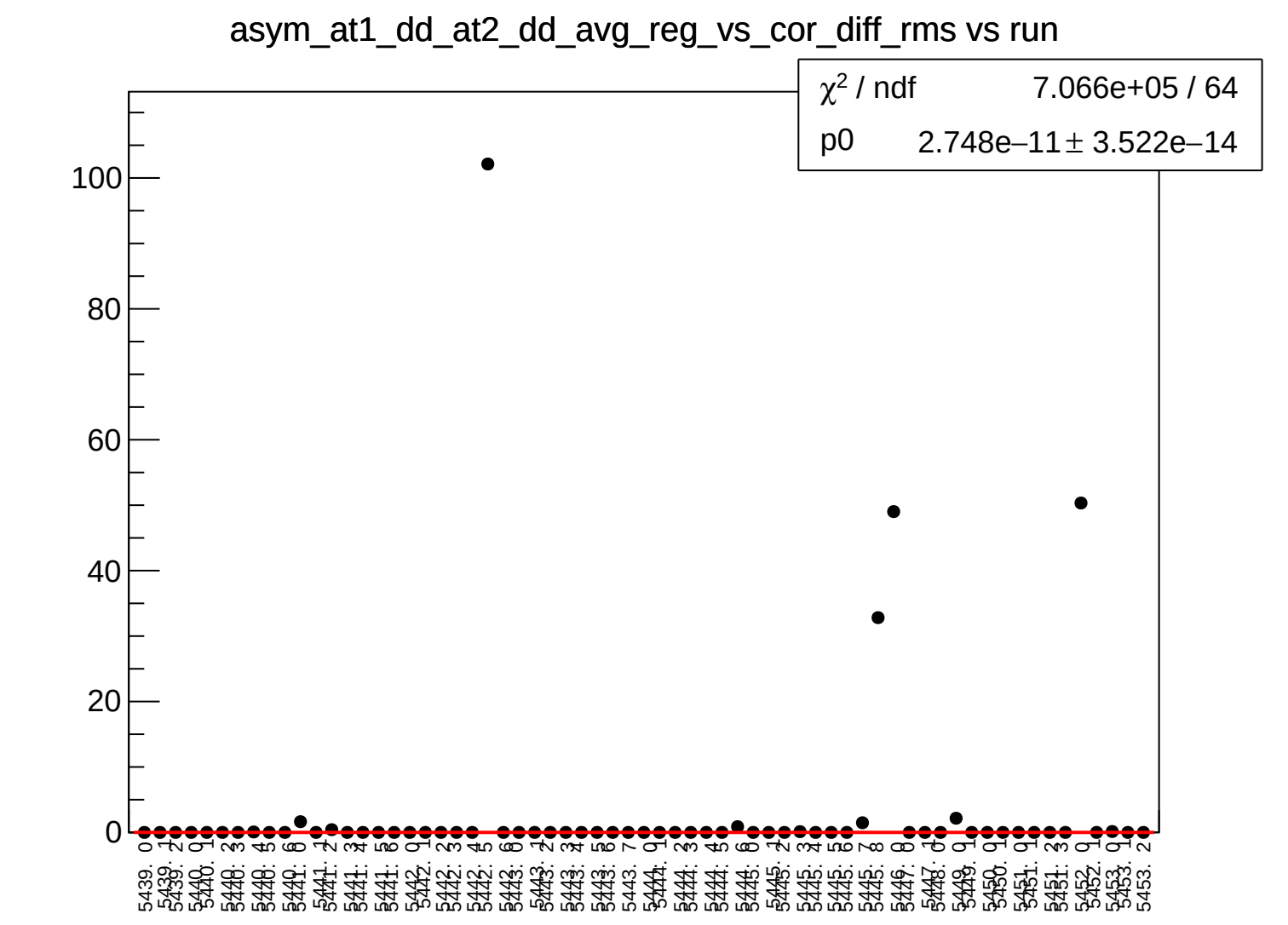

asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 66.79 / 64
p0 −1.11e+04 ± 4116
pull
Entries 65
Mean 136.9
Std Dev 0

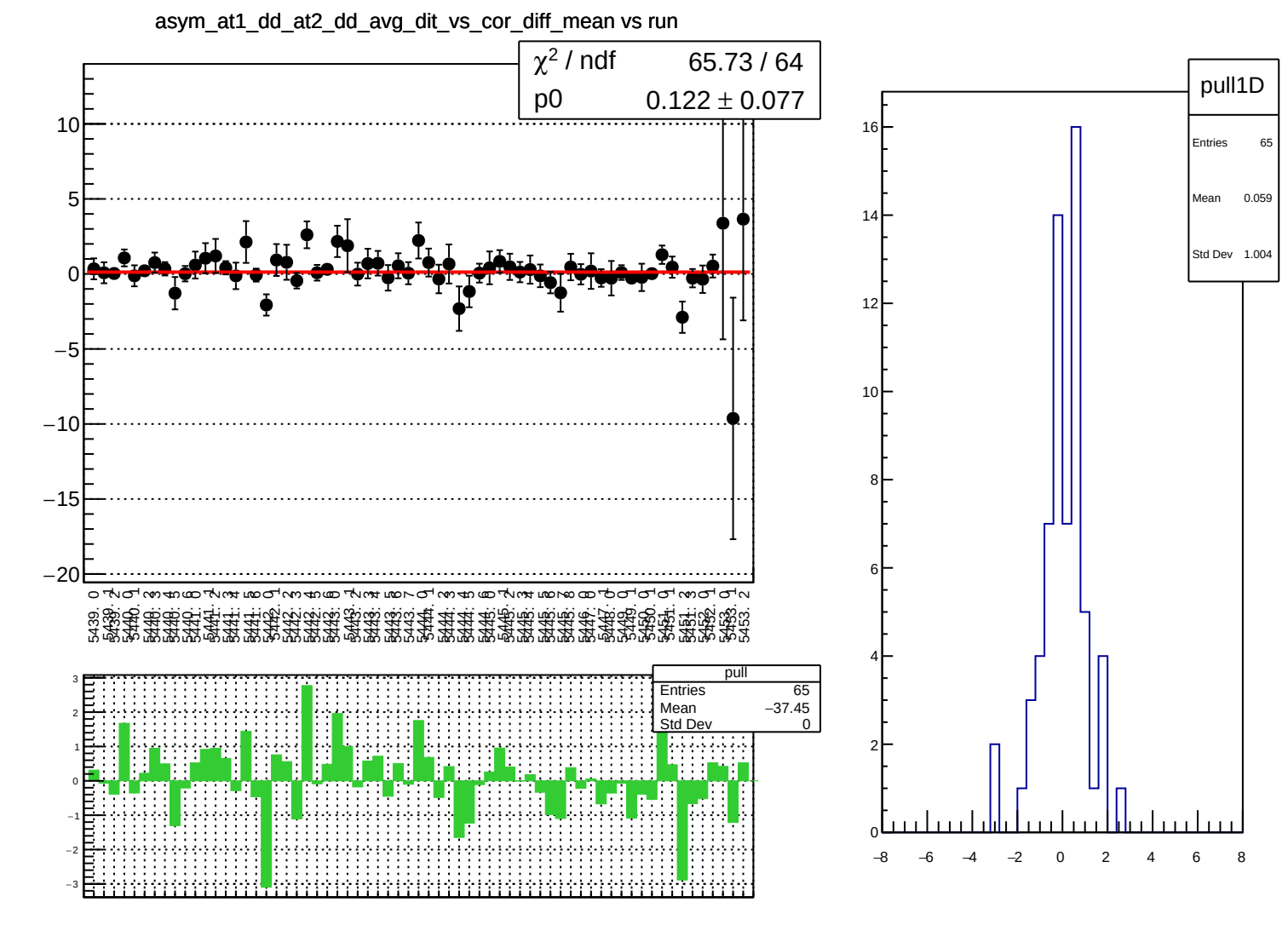

pull1D
Entries 65
Mean 0.0146
Std Dev 1.014

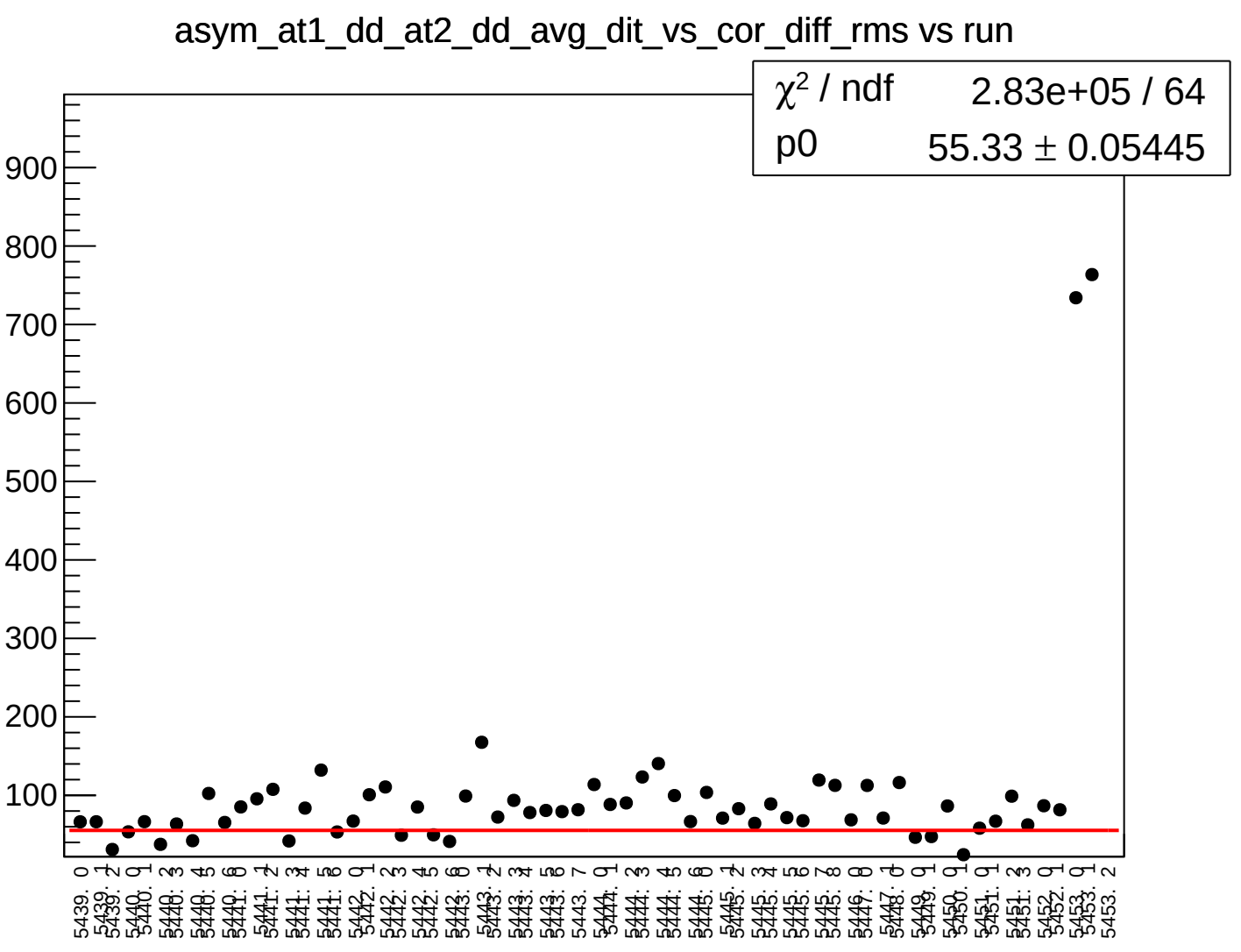

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3113 / 64
p0 3334 ± 2.911
4200
4000
3800
3600
3400
3200

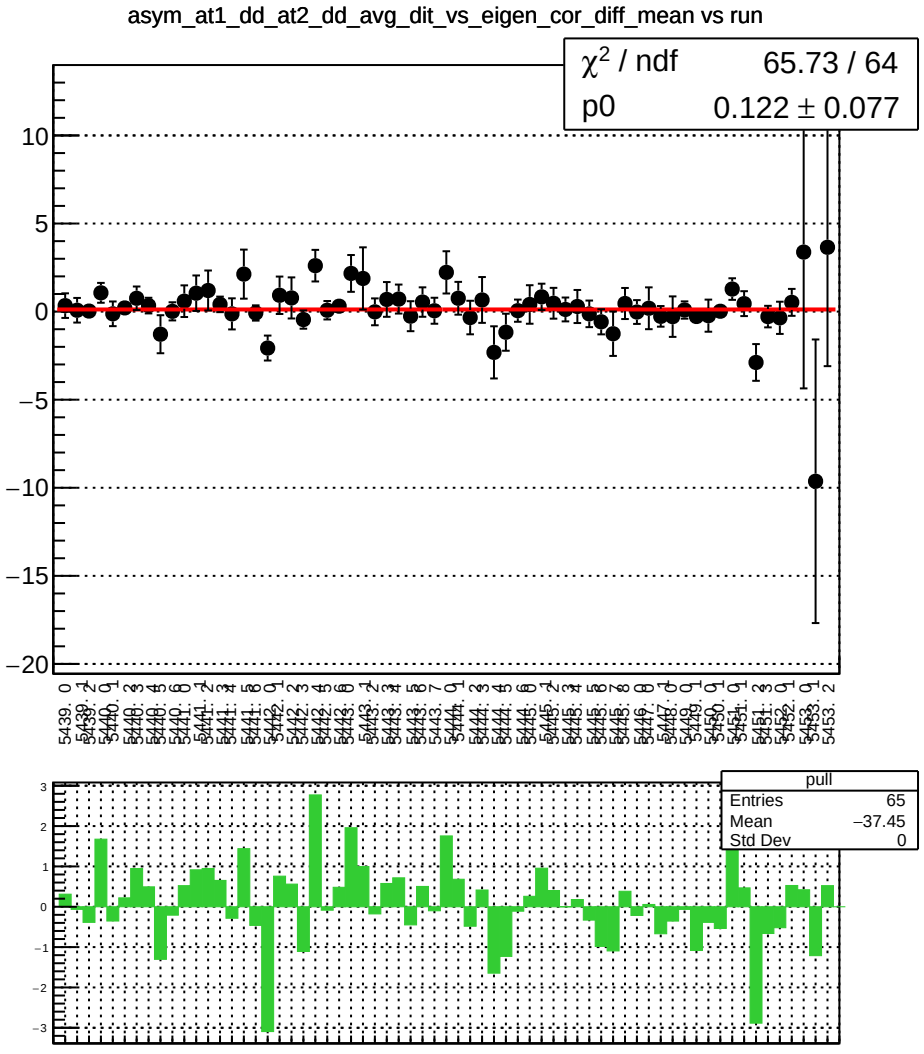

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.53 / 64
p0 3.929e−15 ± 4.981e−14
pull
Entries 65
Mean 61.9
Std Dev 21.7

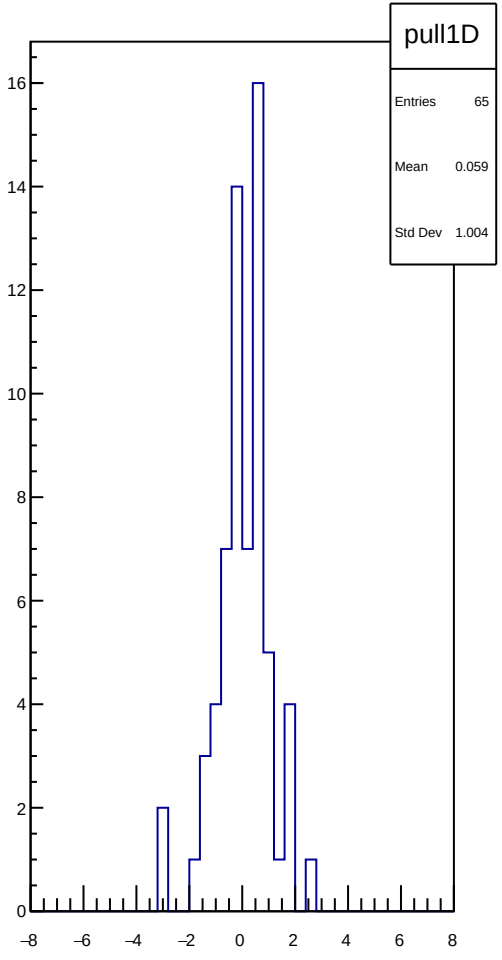

pull1D
Entries 65
Mean −0.08652
Std Dev 1.117

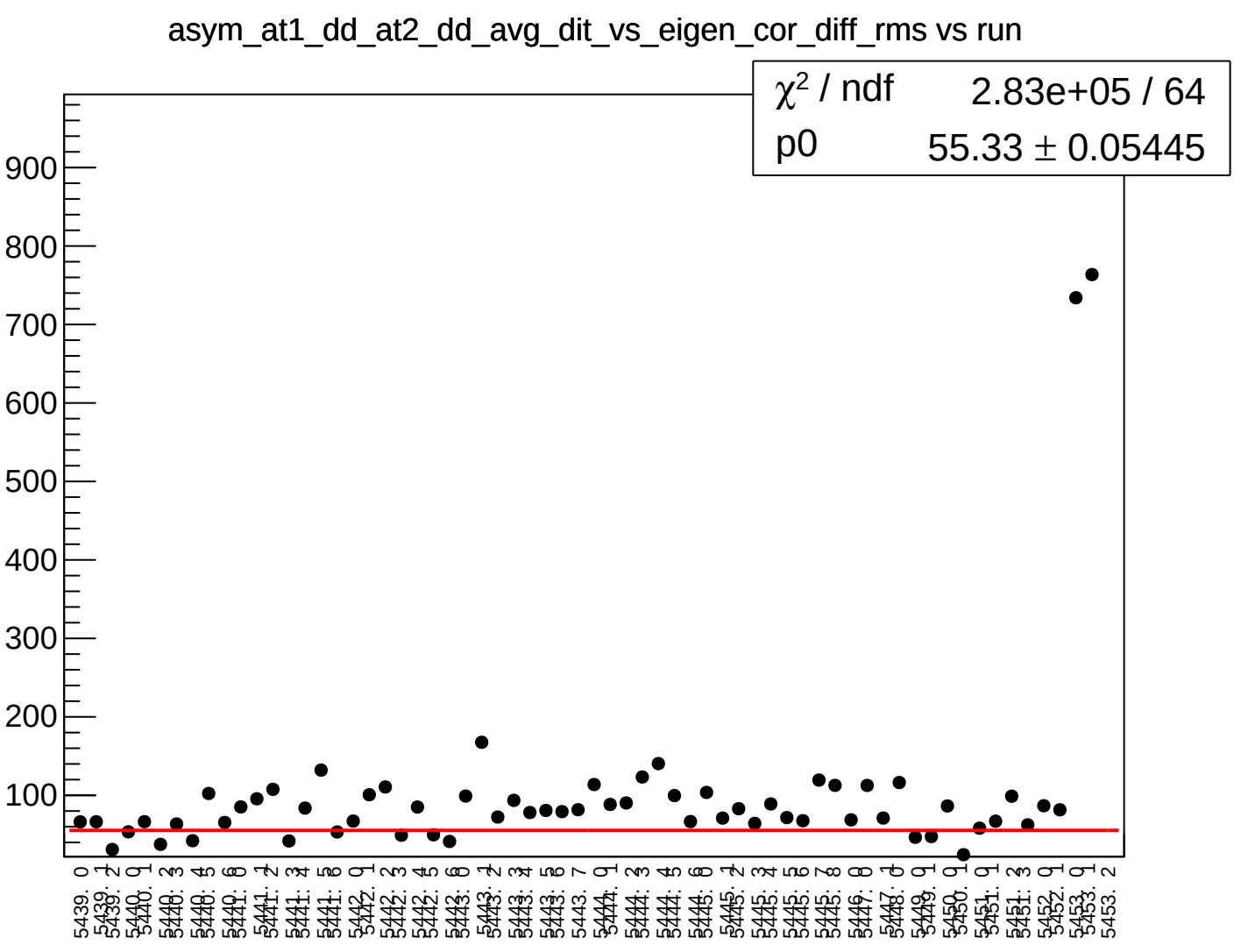

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.066e+05 / 64
p0 2.748e−11 ± 3.522e−14
100
80
60
40
20
0

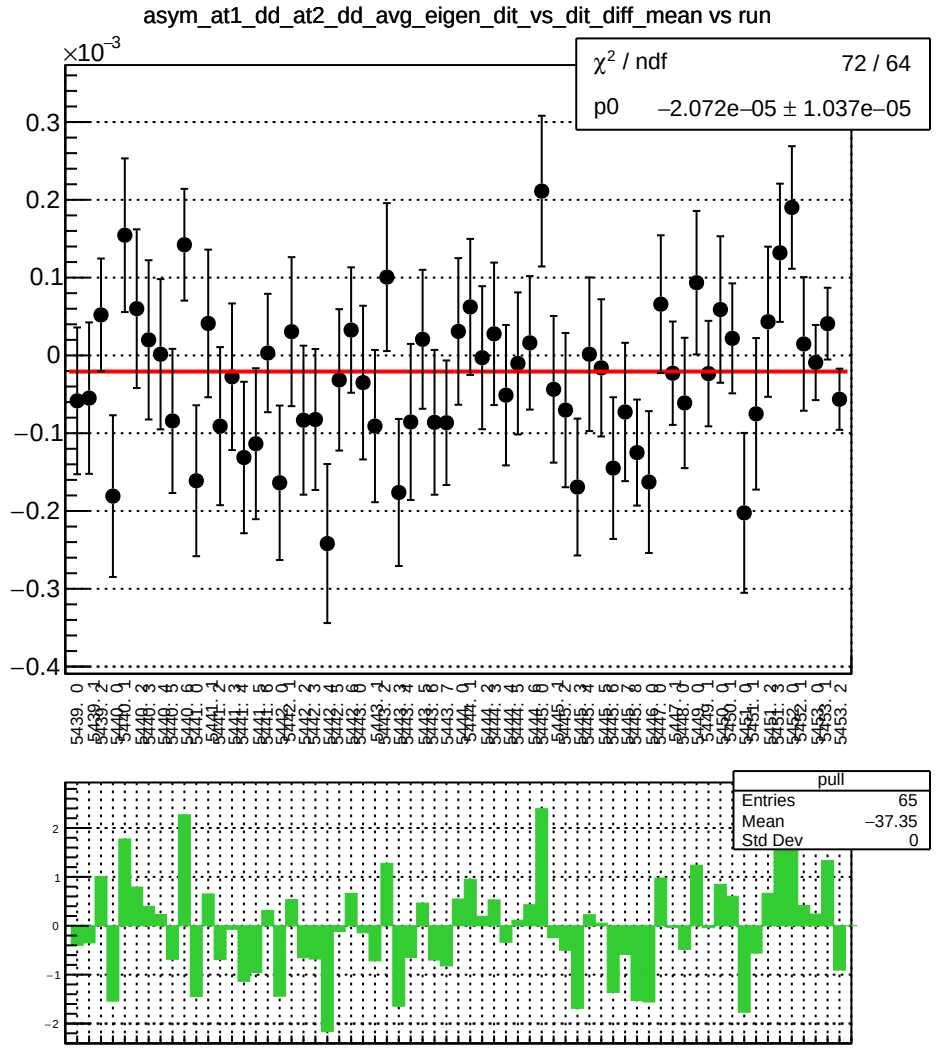

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.077
pull
Entries 65
Mean −37.45
Std Dev 0
pull1D
Entries 65
Mean 0.059
Std Dev 1.004

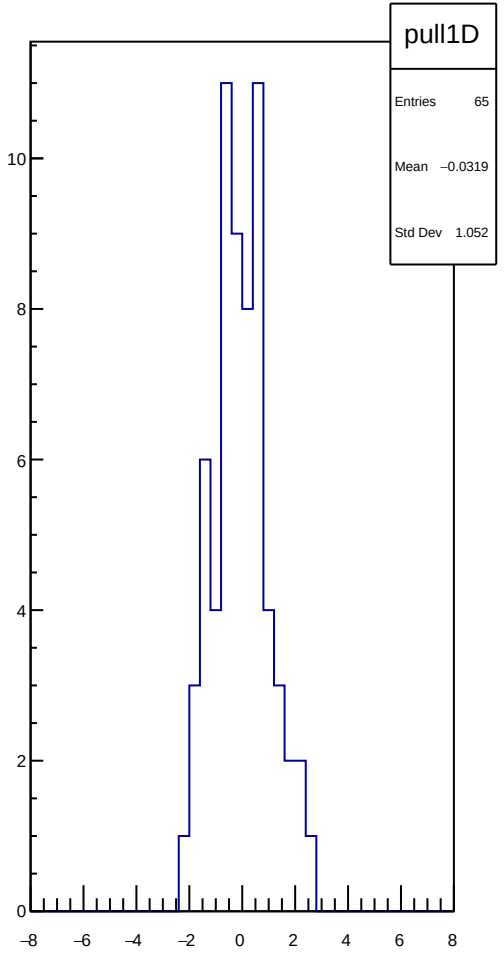

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.83e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

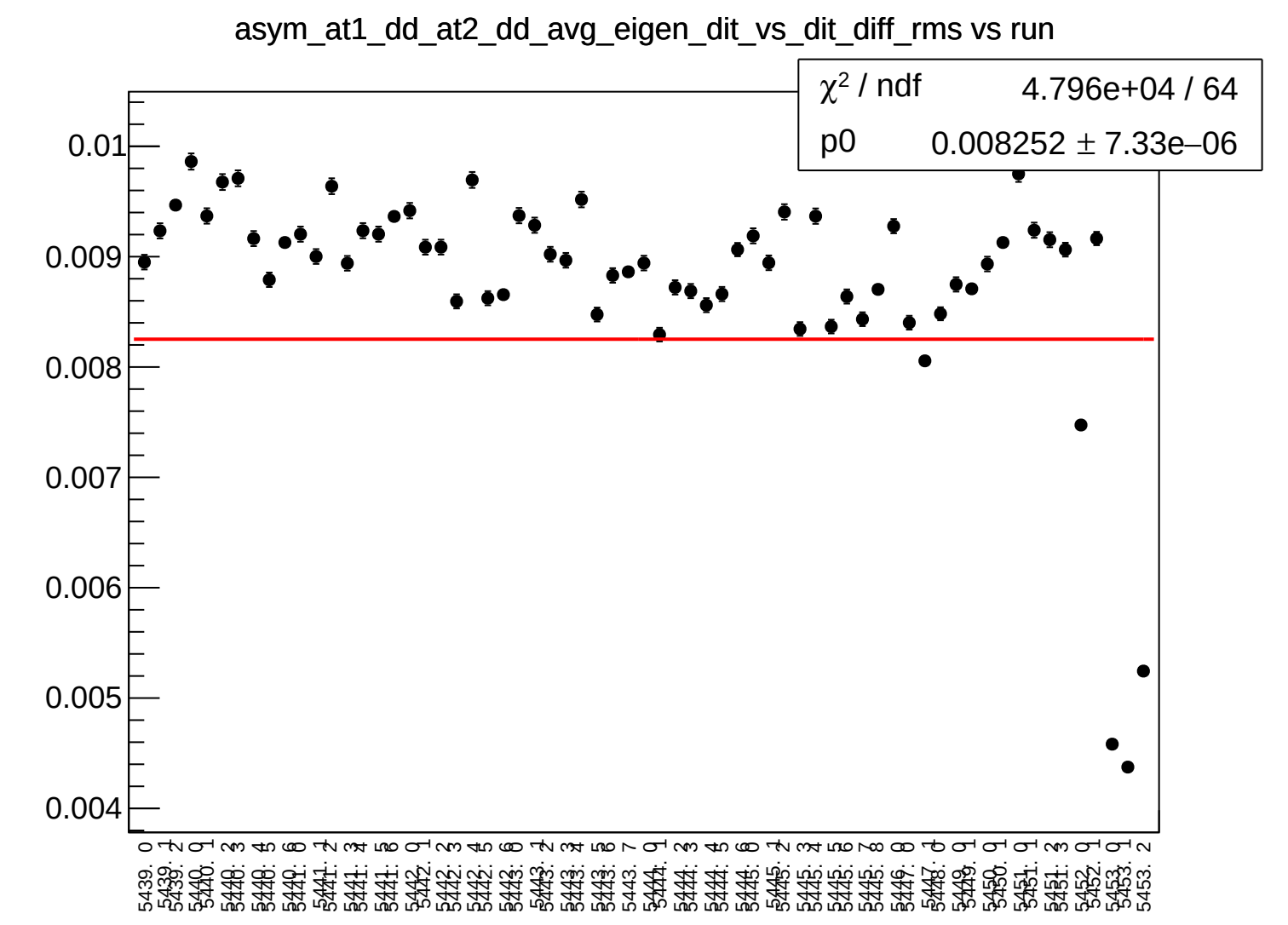

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.077
pull
Entries 65
Mean −37.45
Std Dev 0

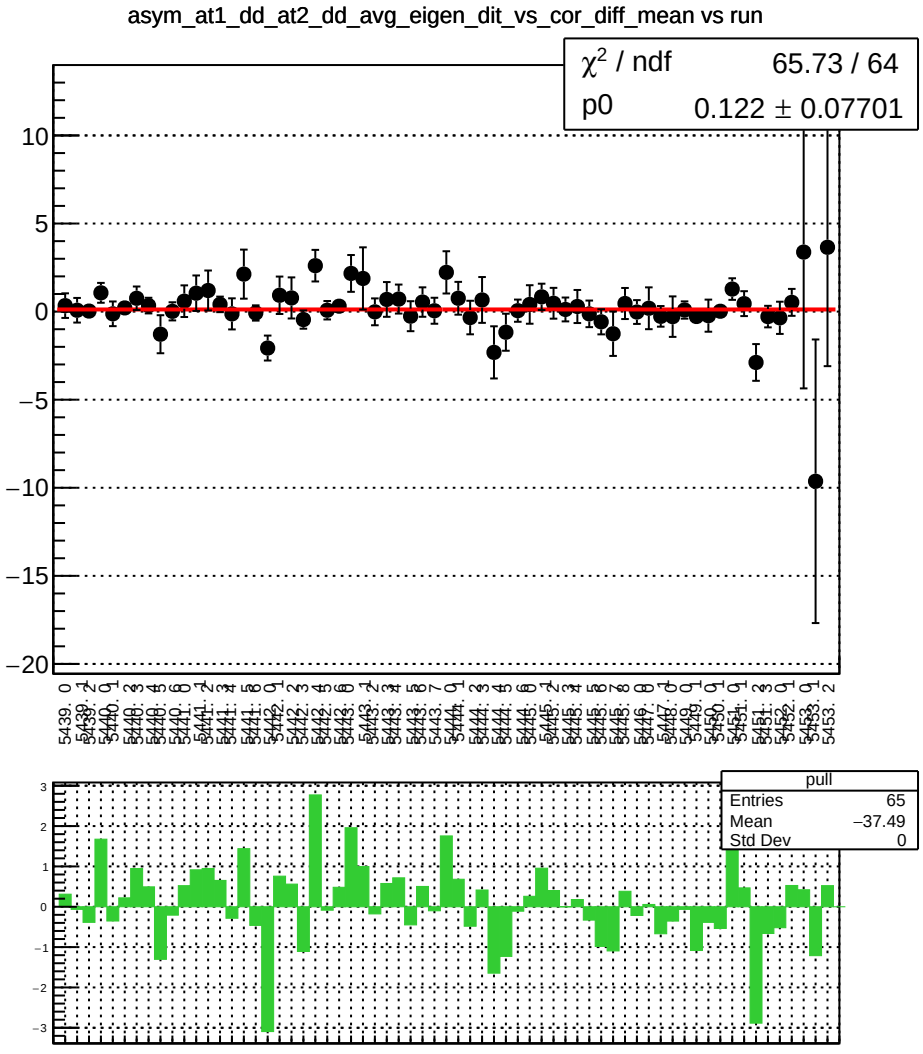

pull1D
Entries 65
Mean 0.059
Std Dev 1.004

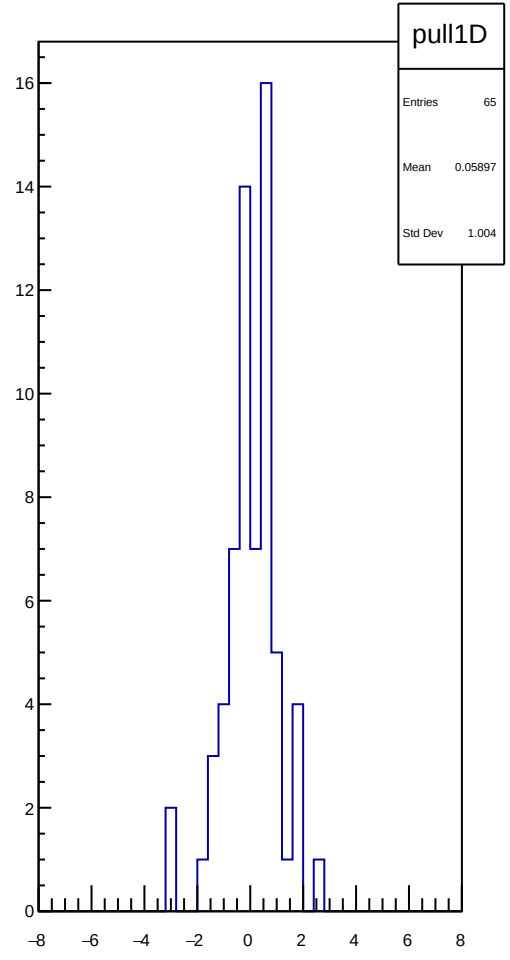

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.83e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

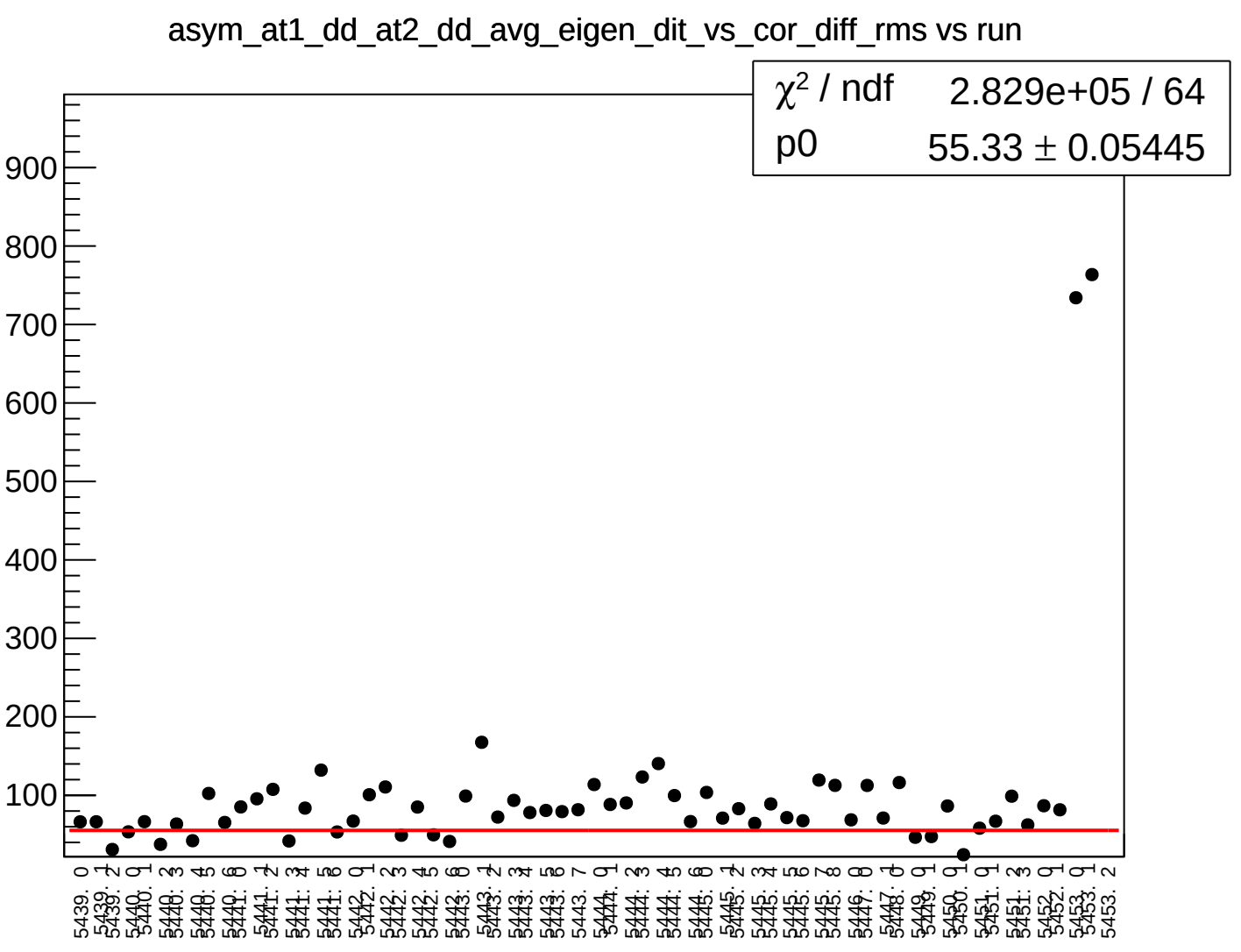

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72 / 64
p0 −2.072e−05 ± 1.037e−05
pull
Entries 65
Mean −37.35
Std Dev 0

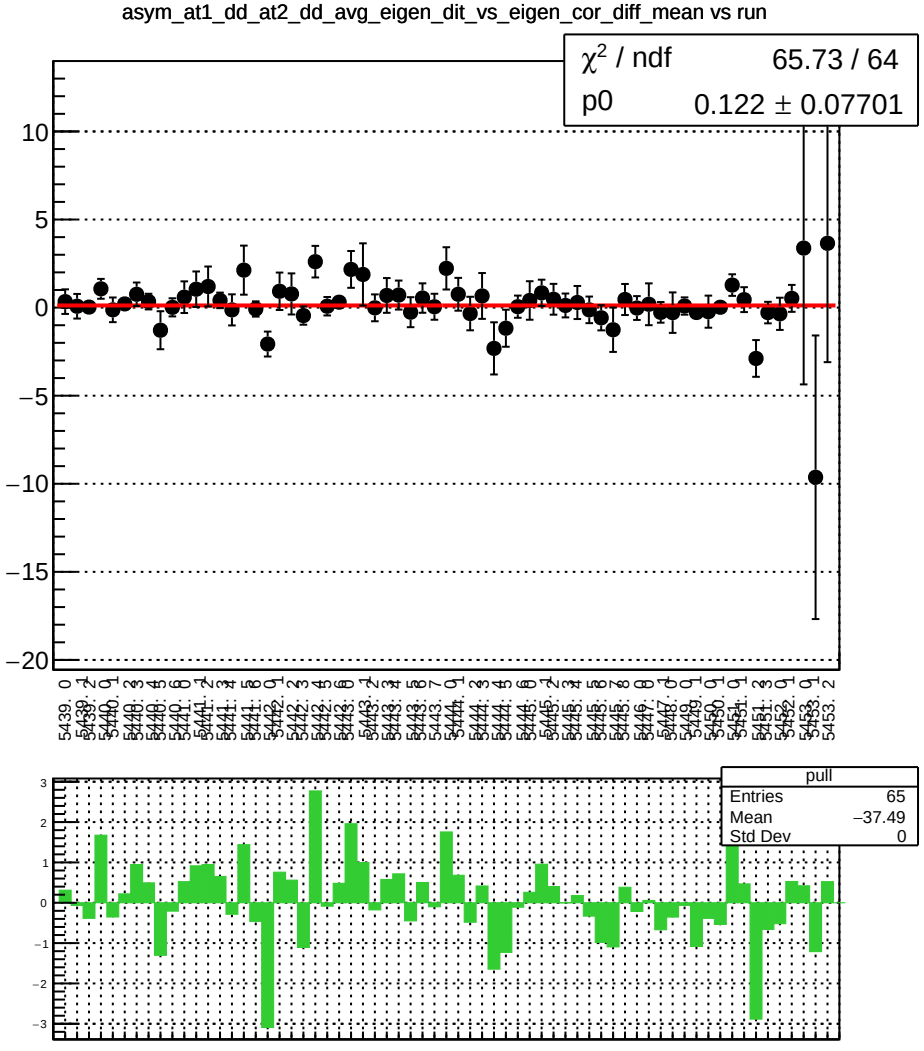

pull1D
Entries 65
Mean −0.0319
Std Dev 1.052

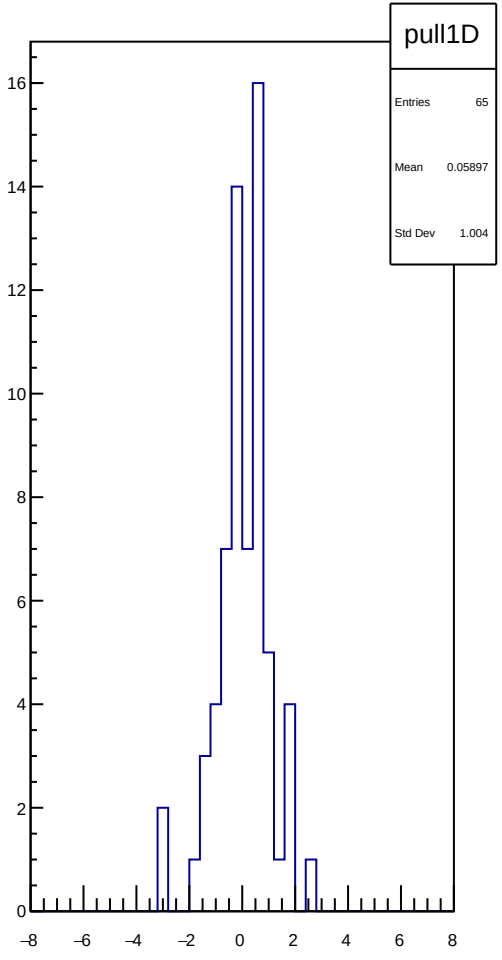

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.796e+04 / 64
p0 0.008252 ± 7.33e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

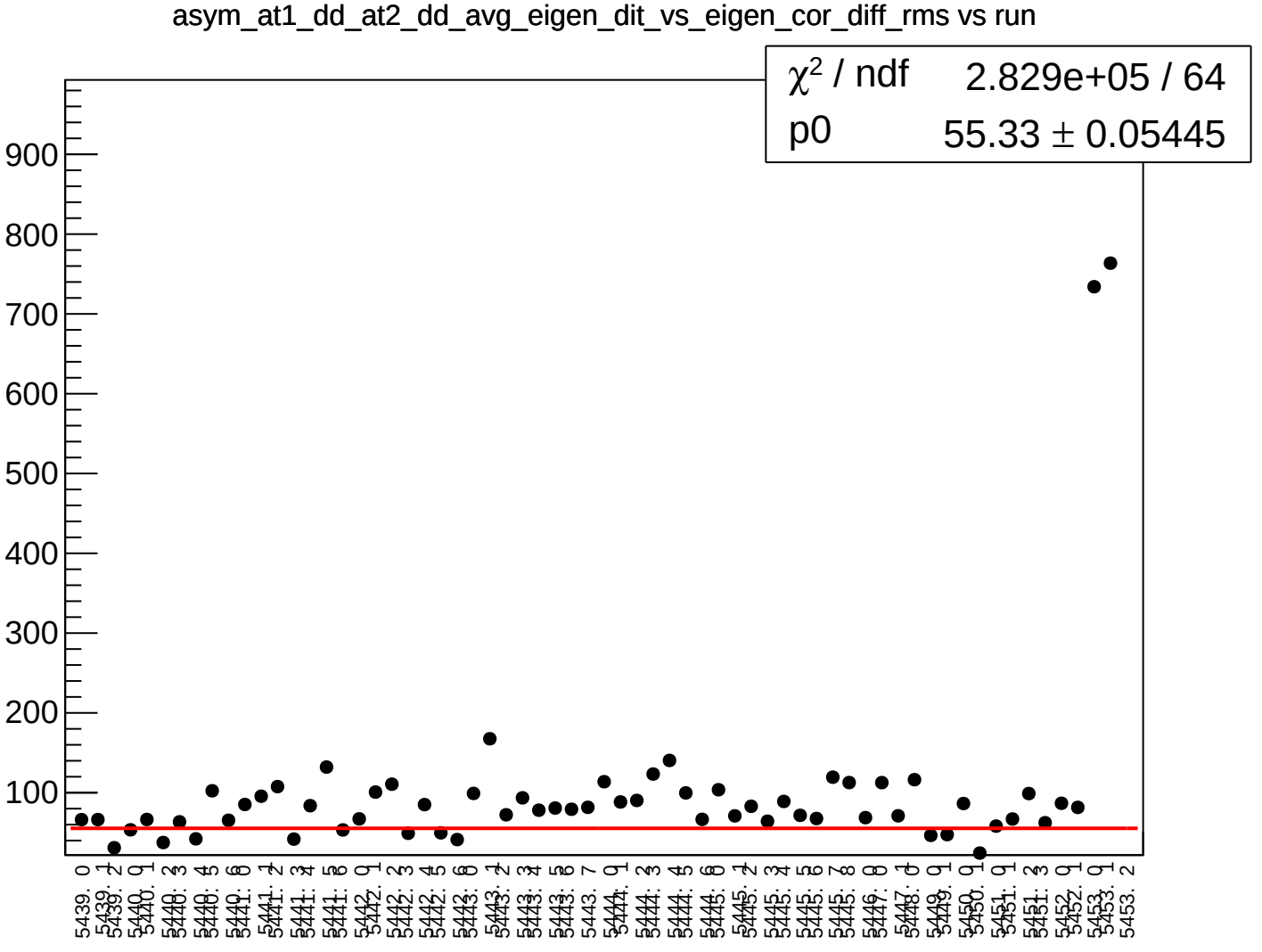

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.07701
pull
Entries 65
Mean −37.49
Std Dev 0

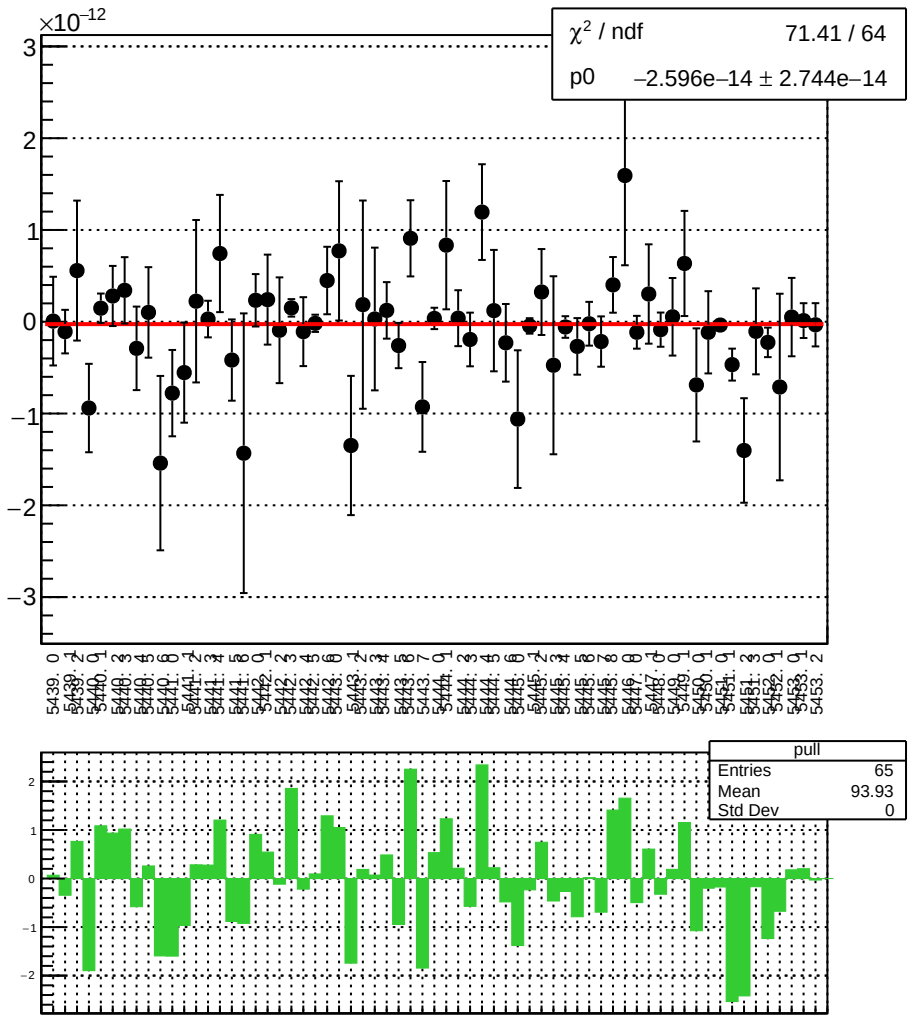

pull1D
Entries 65
Mean 0.05897
Std Dev 1.004

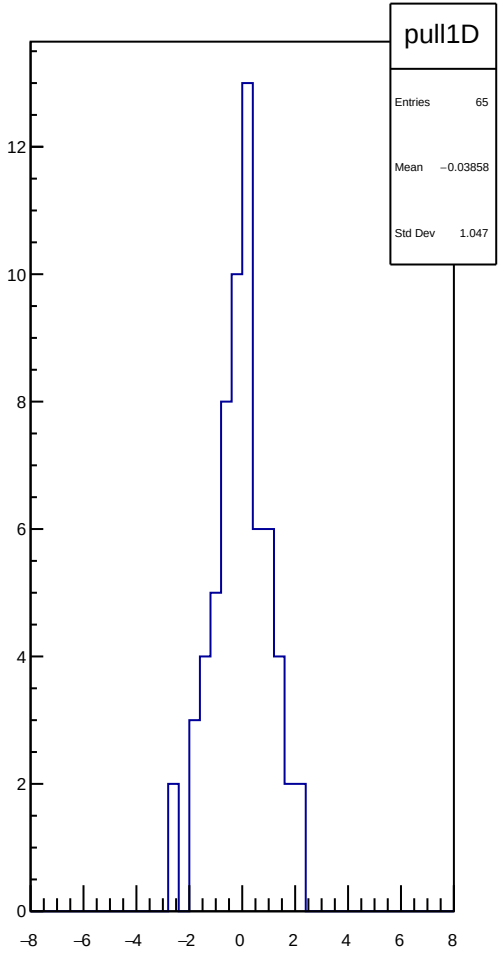

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.829e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

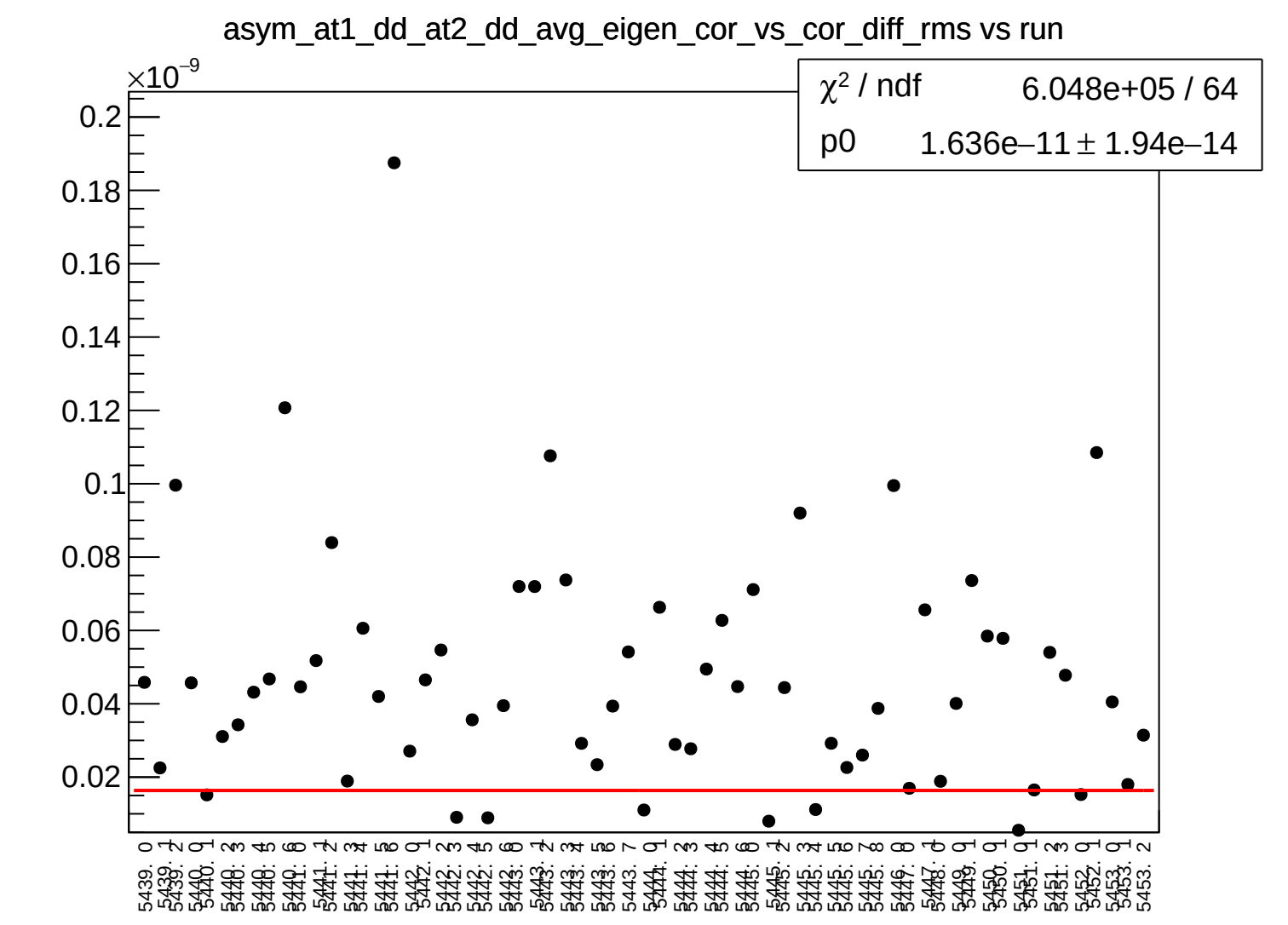

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.73 / 64
p0 0.122 ± 0.07701
pull
Entries 65
Mean −37.49
Std Dev 0

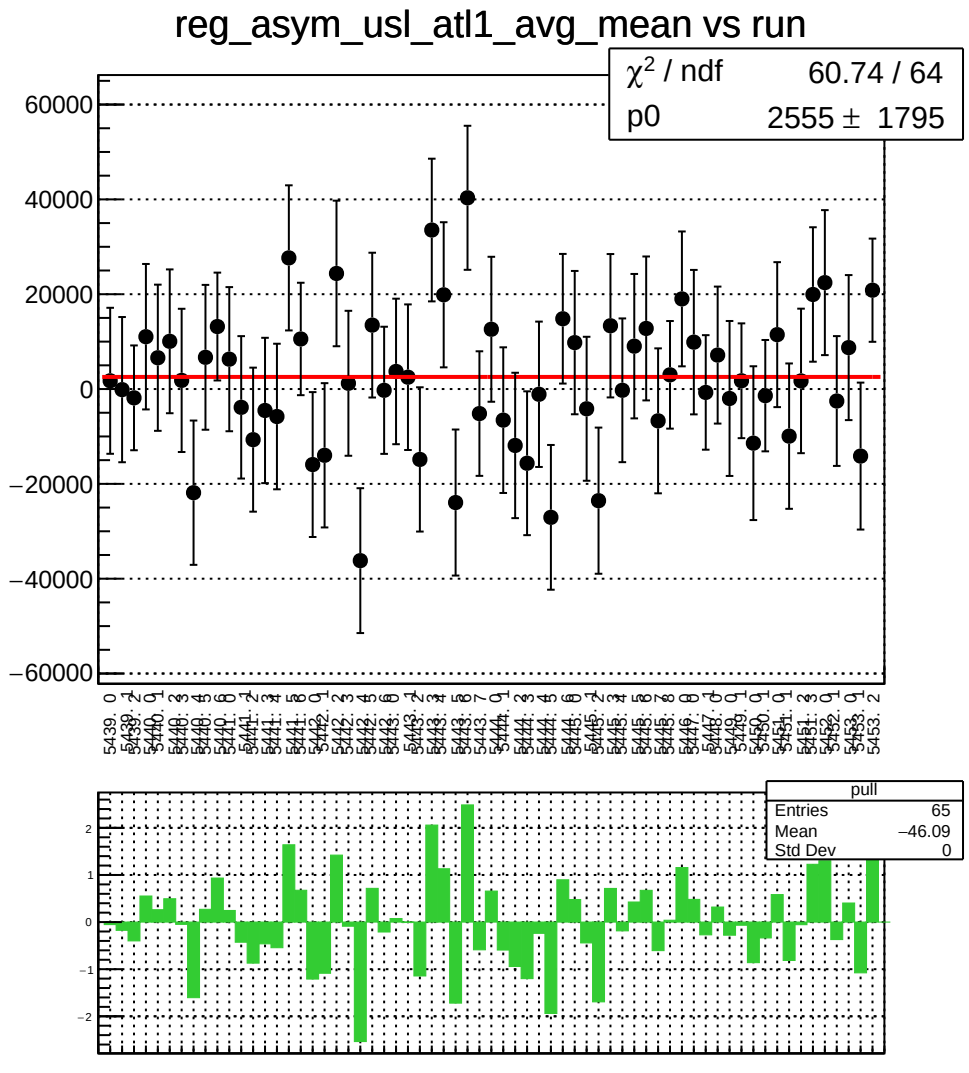

pull1D
Entries 65
Mean 0.05897
Std Dev 1.004

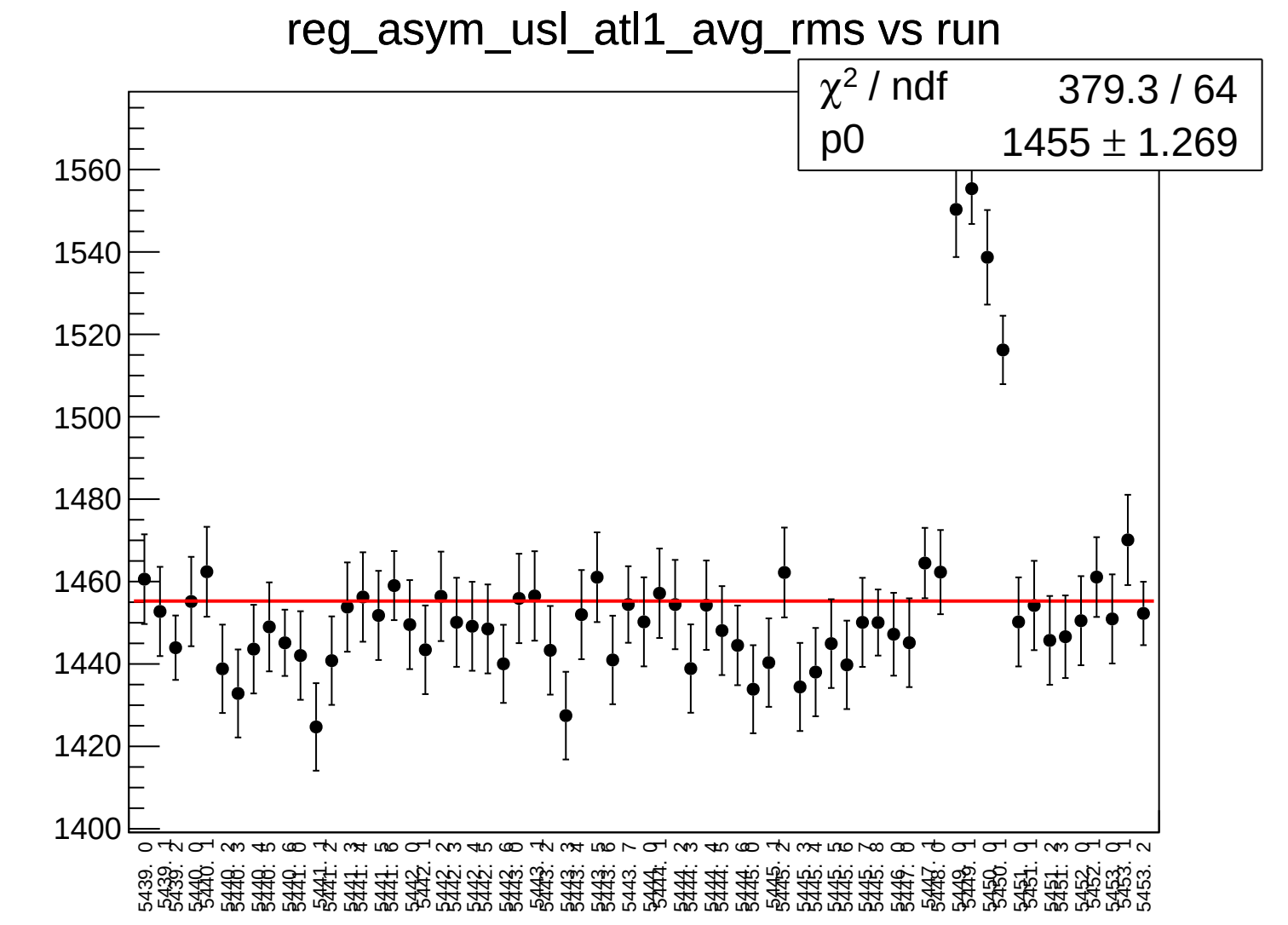

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.829e+05 / 64
p0 55.33 ± 0.05445
900
800
700
600
500
400
300
200
100

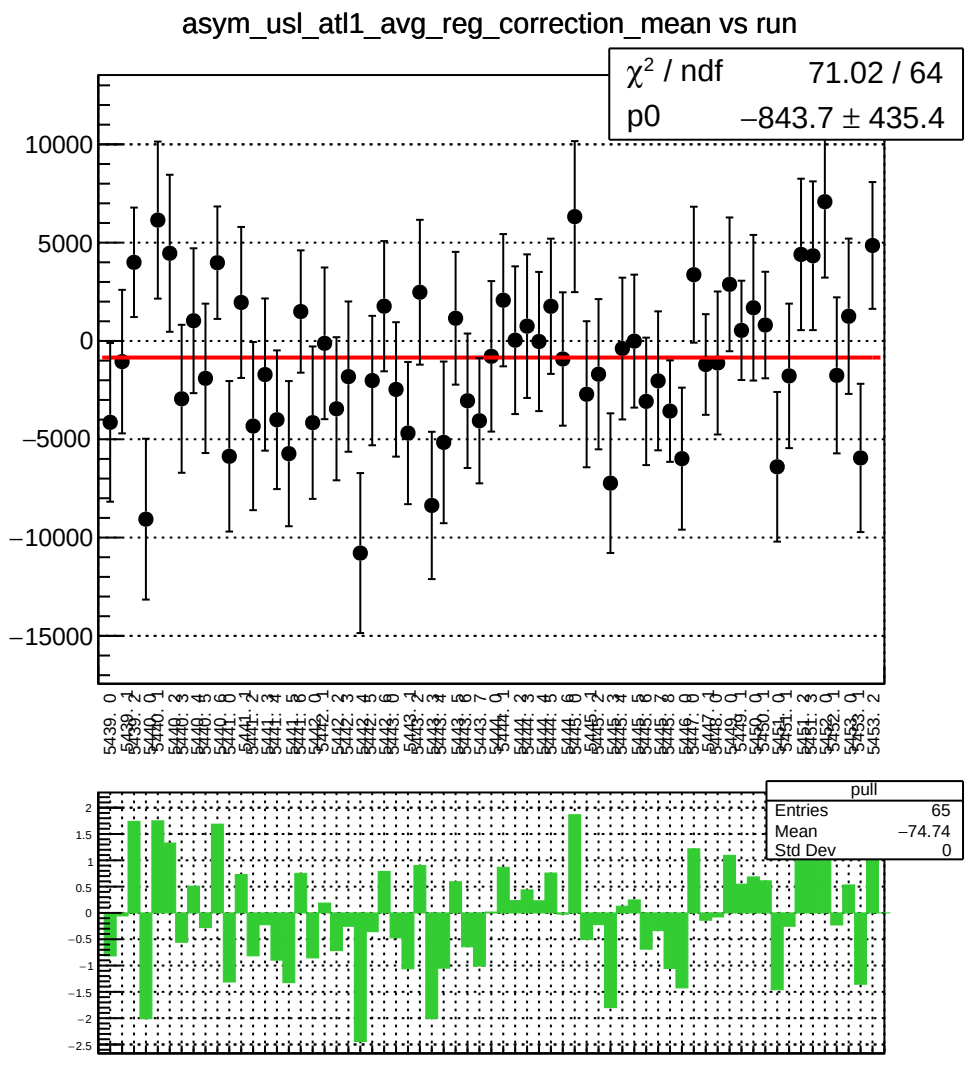

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.41 / 64
p0 −2.596e−14 ± 2.744e−14
pull
Entries 65
Mean 93.93
Std Dev 0

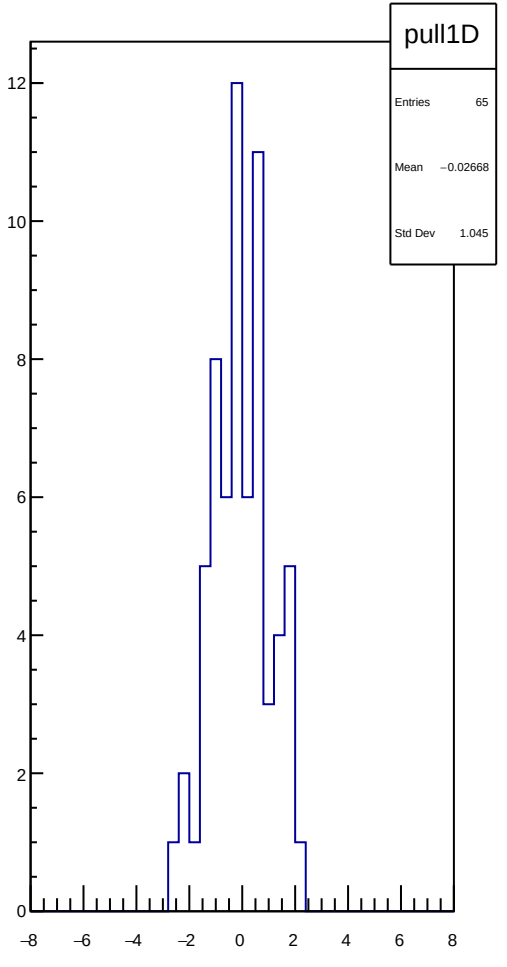

pull1D
Entries 65
Mean −0.03858
Std Dev 1.047

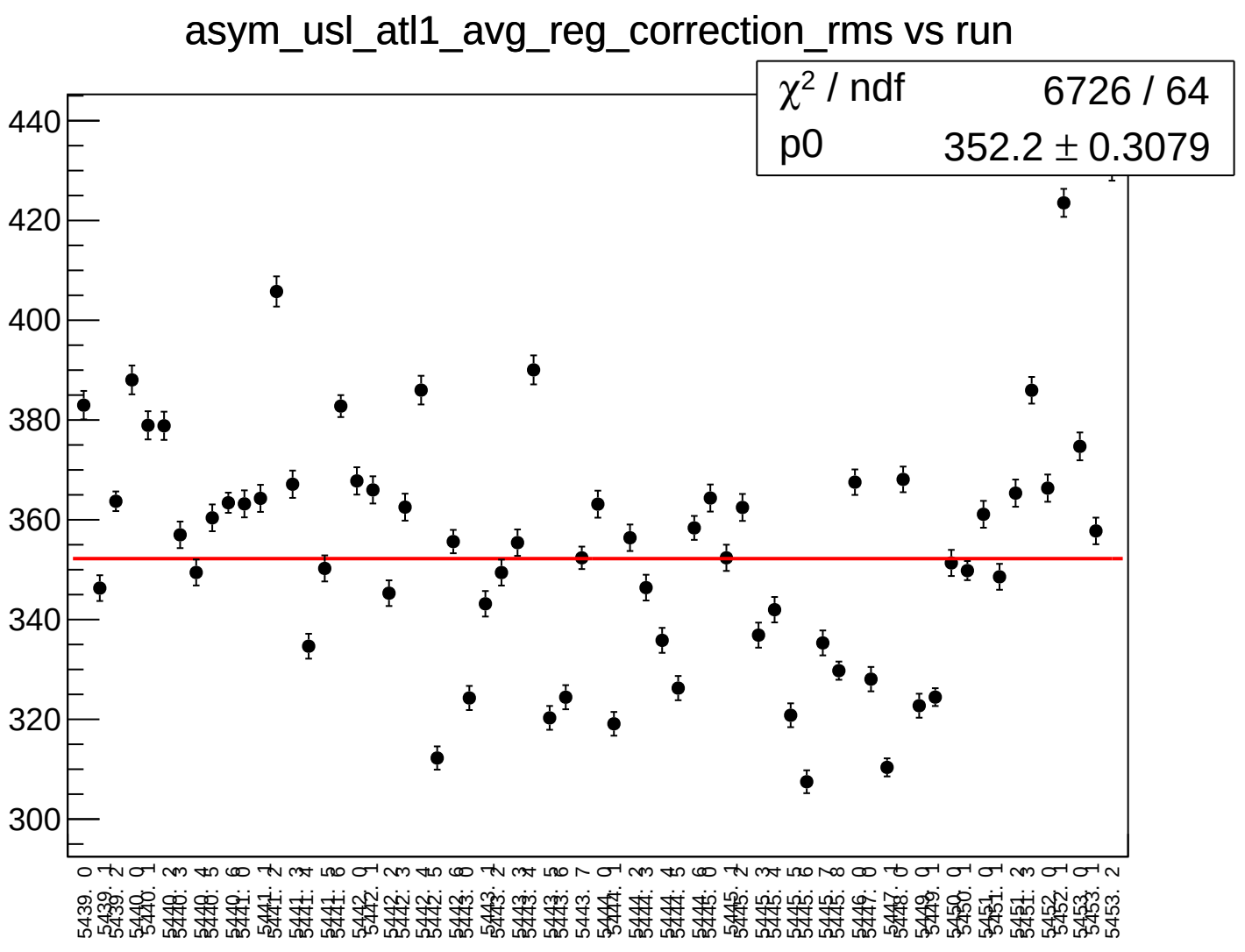

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.048e+05 / 64
p0 1.636e−11 ± 1.94e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

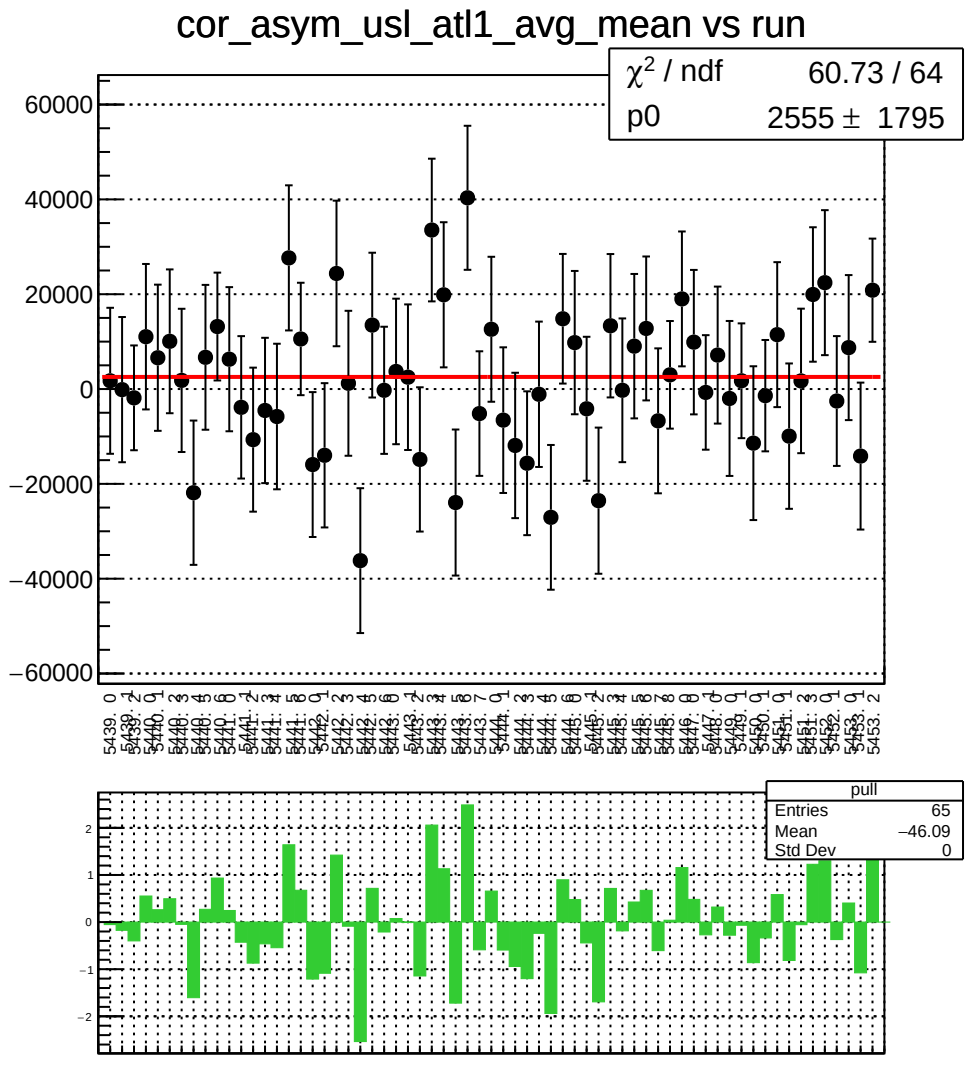

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.74 / 64
p0 2555 ± 1795
pull
Entries 65
Mean −46.09
Std Dev 0
pull1D
Entries 65
Mean −0.01749
Std Dev 0.9665

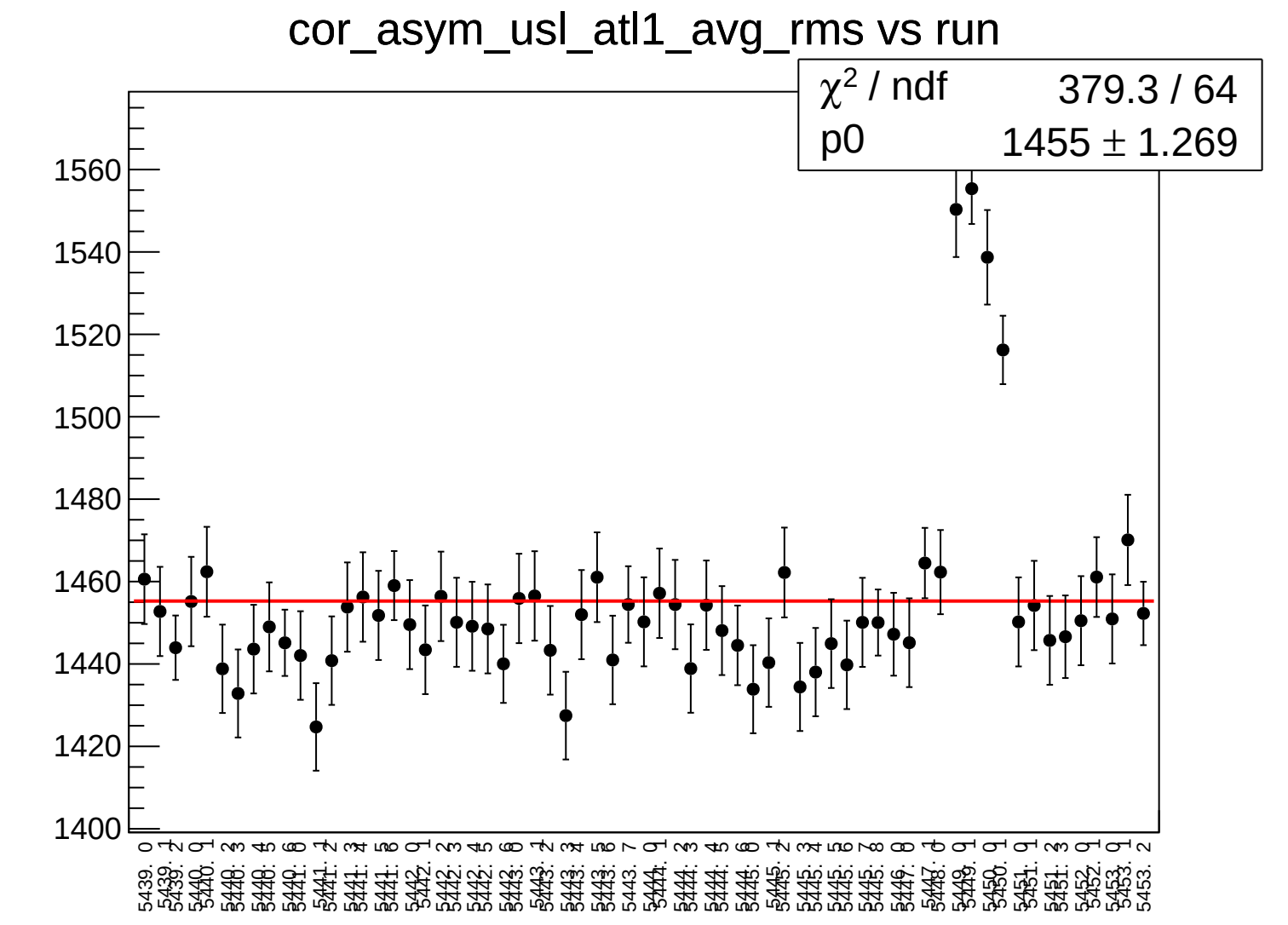

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 379.3 / 64
p0 1455 ± 1.269
1560
1540
1520
1500
1480
1460
1440
1420
1400

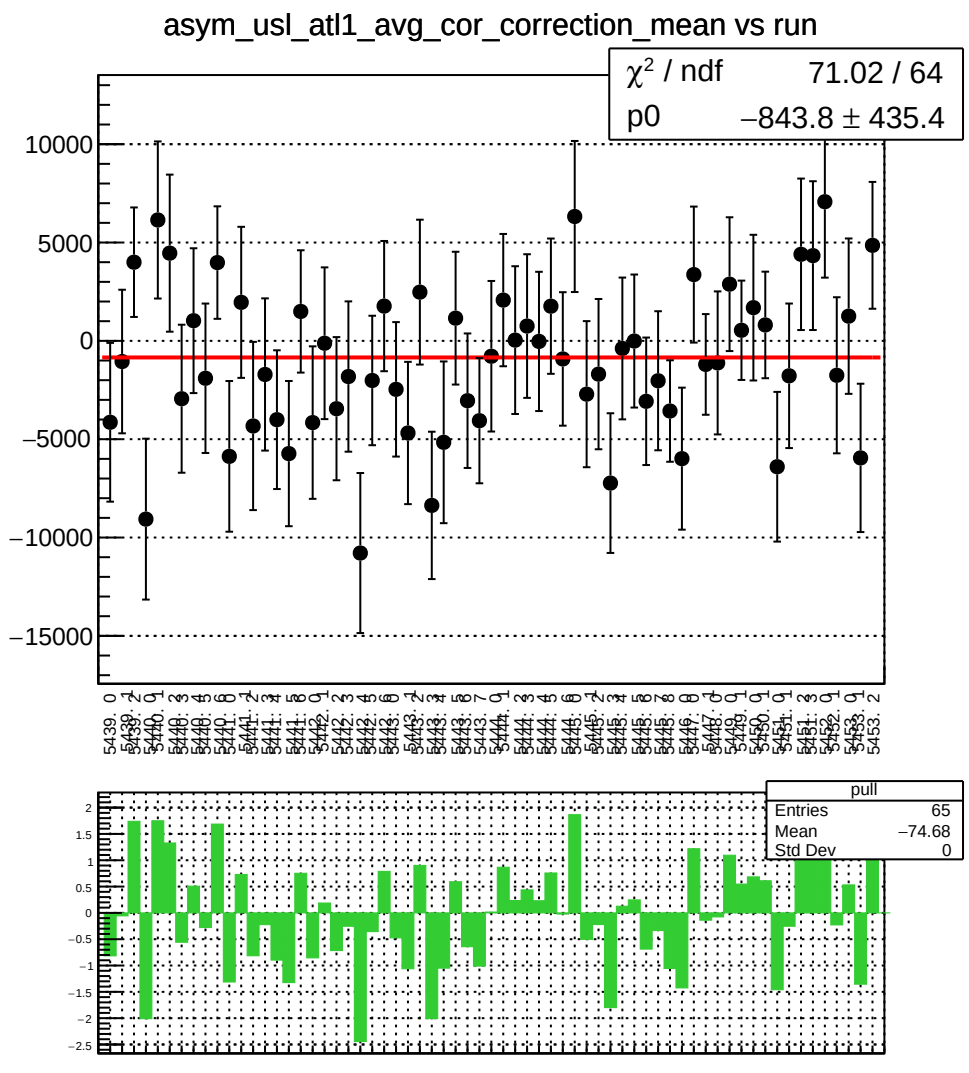

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 71.02 / 64
p0 −843.7 ± 435.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean −74.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

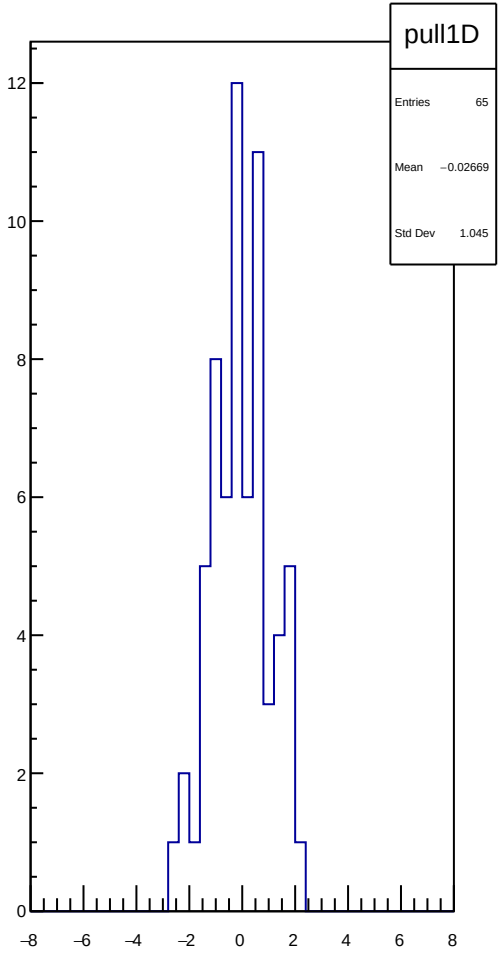

pull1D
Entries 65
Mean −0.02668
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

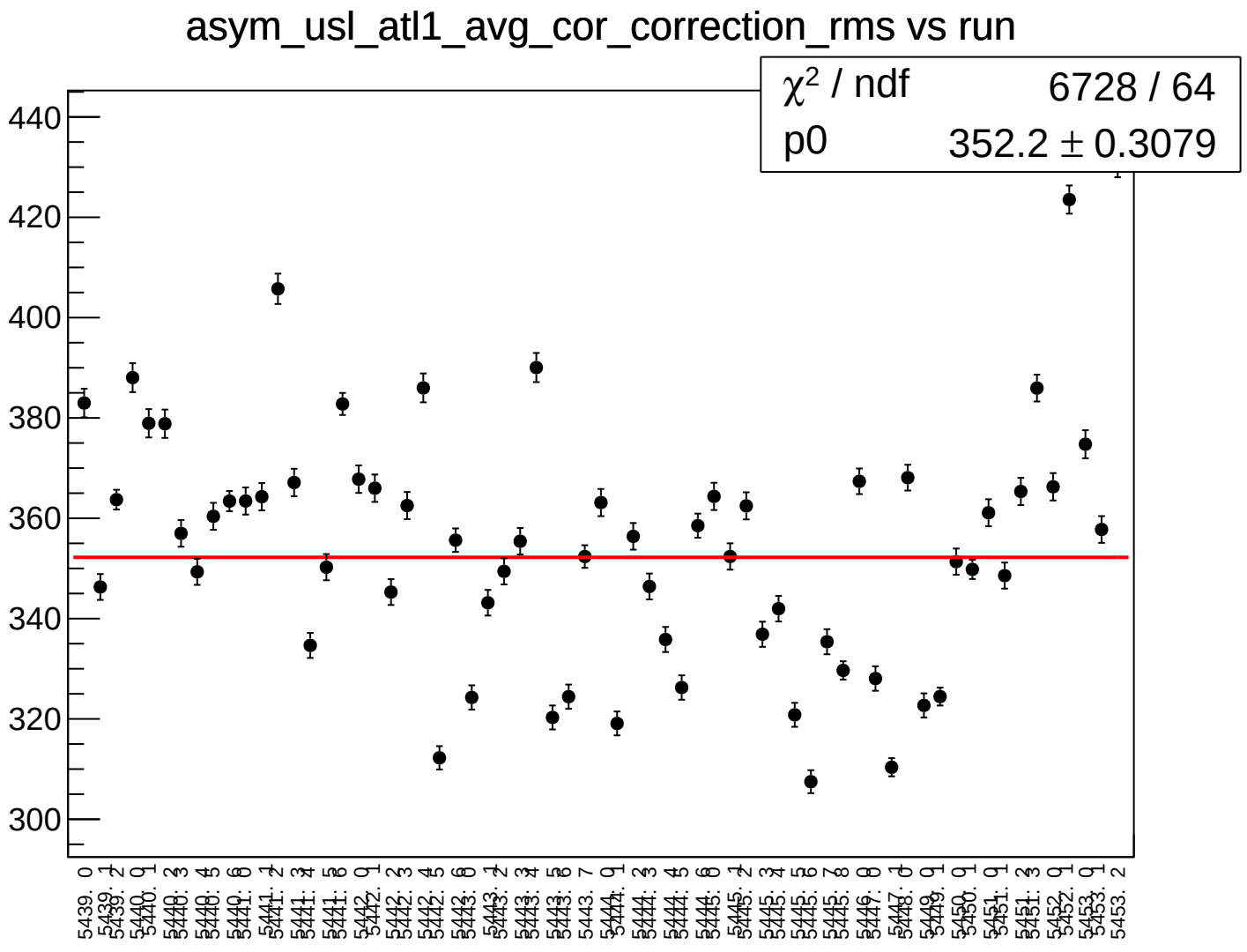

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 6726 / 64
p0 352.2 ± 0.3079
440
420
400
380
360
340
320
300
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

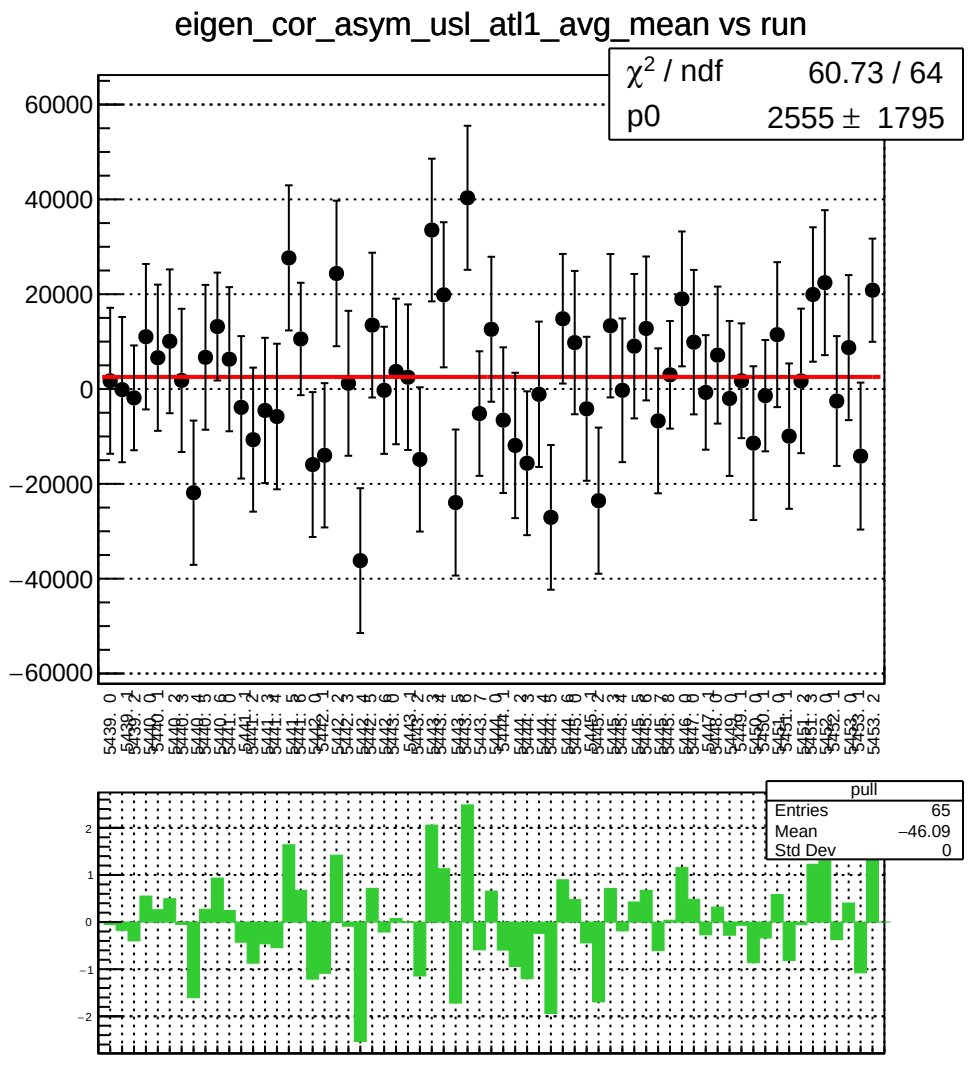

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.73 / 64
p0 2555 ± 1795
pull
Entries 65
Mean −46.09
Std Dev 0
pull1D
Entries 65
Mean −0.01749
Std Dev 0.9665

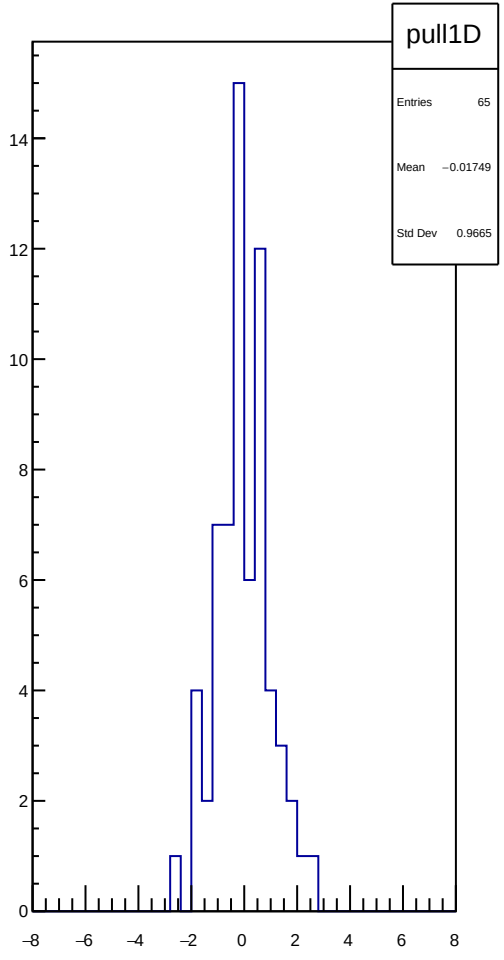

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 379.3 / 64
p0 1455 ± 1.269
1560
1540
1520
1500
1480
1460
1440
1420
1400

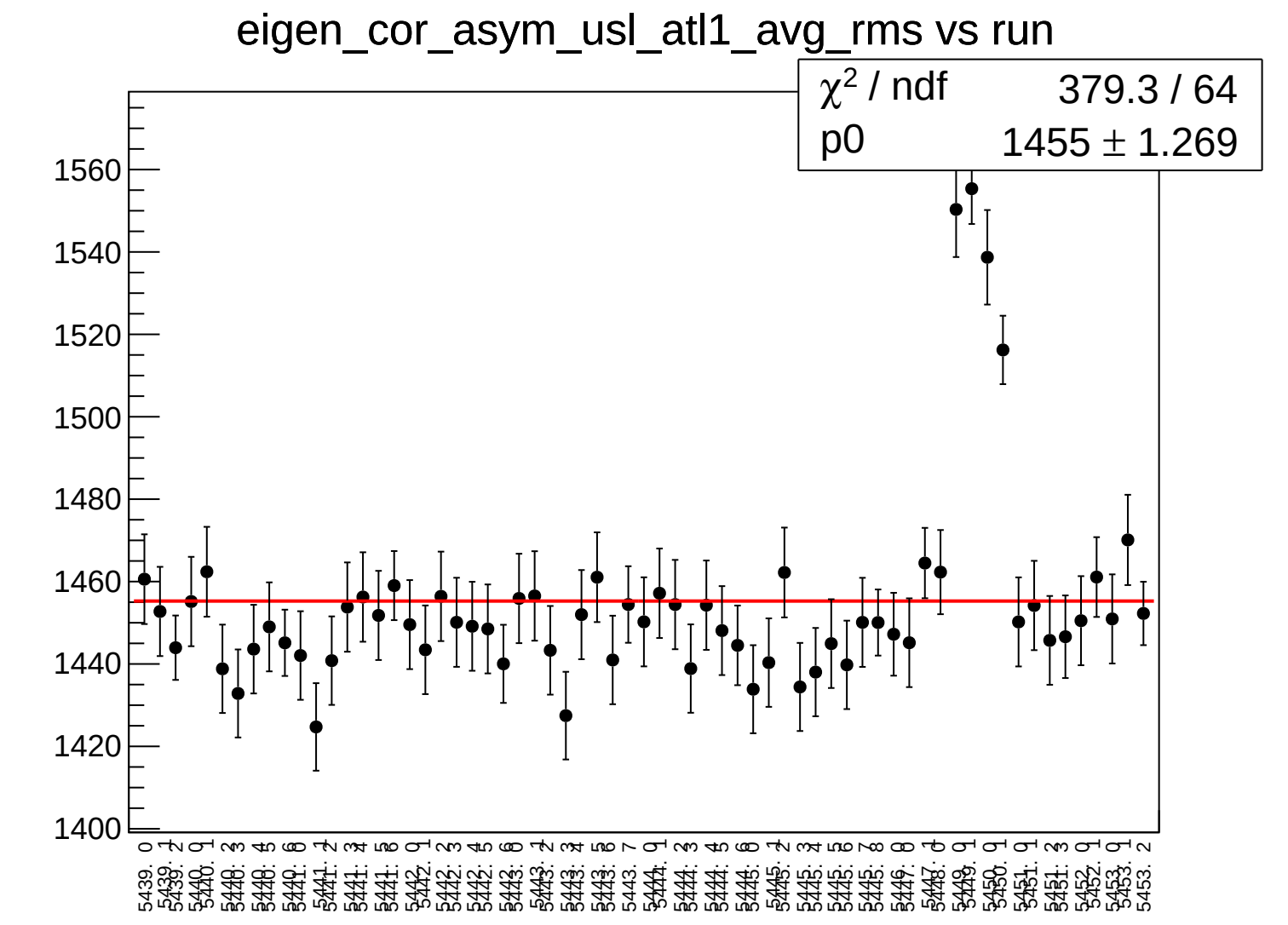

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 71.02 / 64
p0 −843.8 ± 435.4
pull
Entries 65
Mean −74.68
Std Dev 0

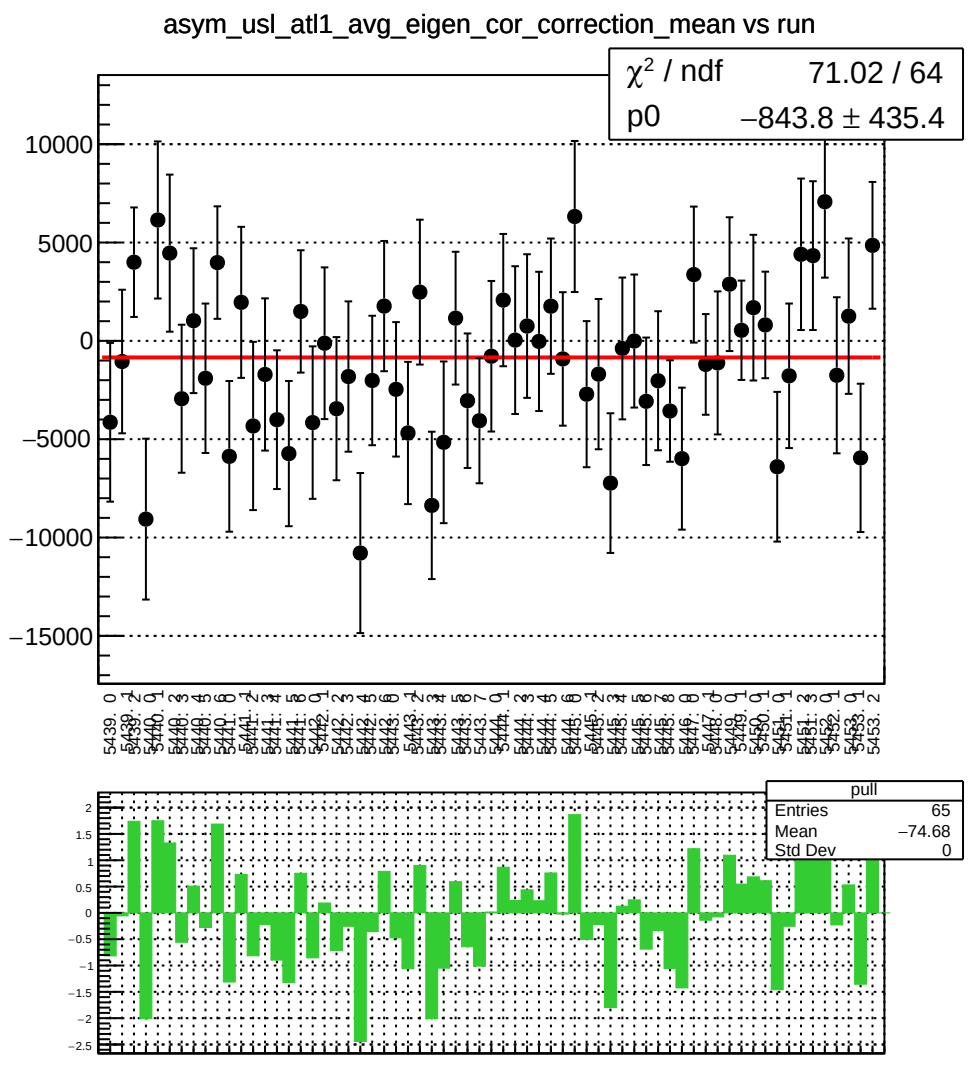

pull1D
Entries 65
Mean −0.02669
Std Dev 1.045

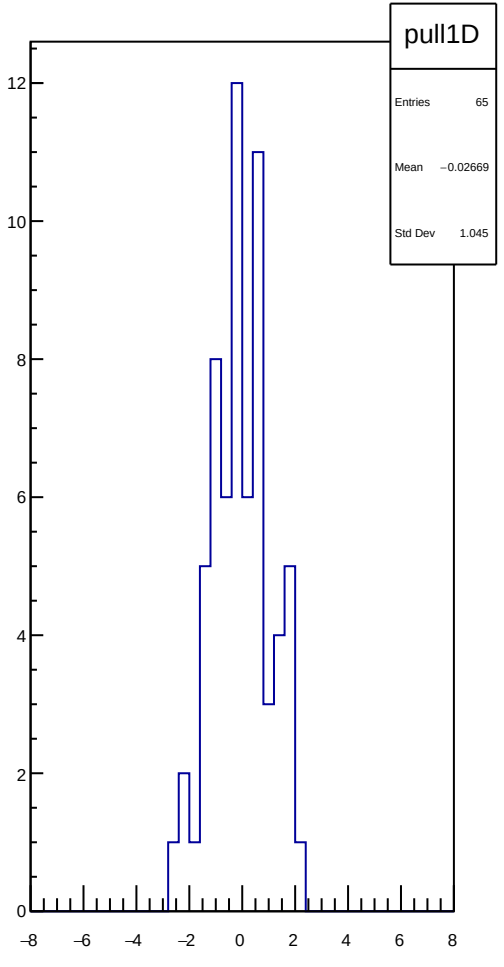

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 6728 / 64
p0 352.2 ± 0.3079
440
420
400
380
360
340
320
300

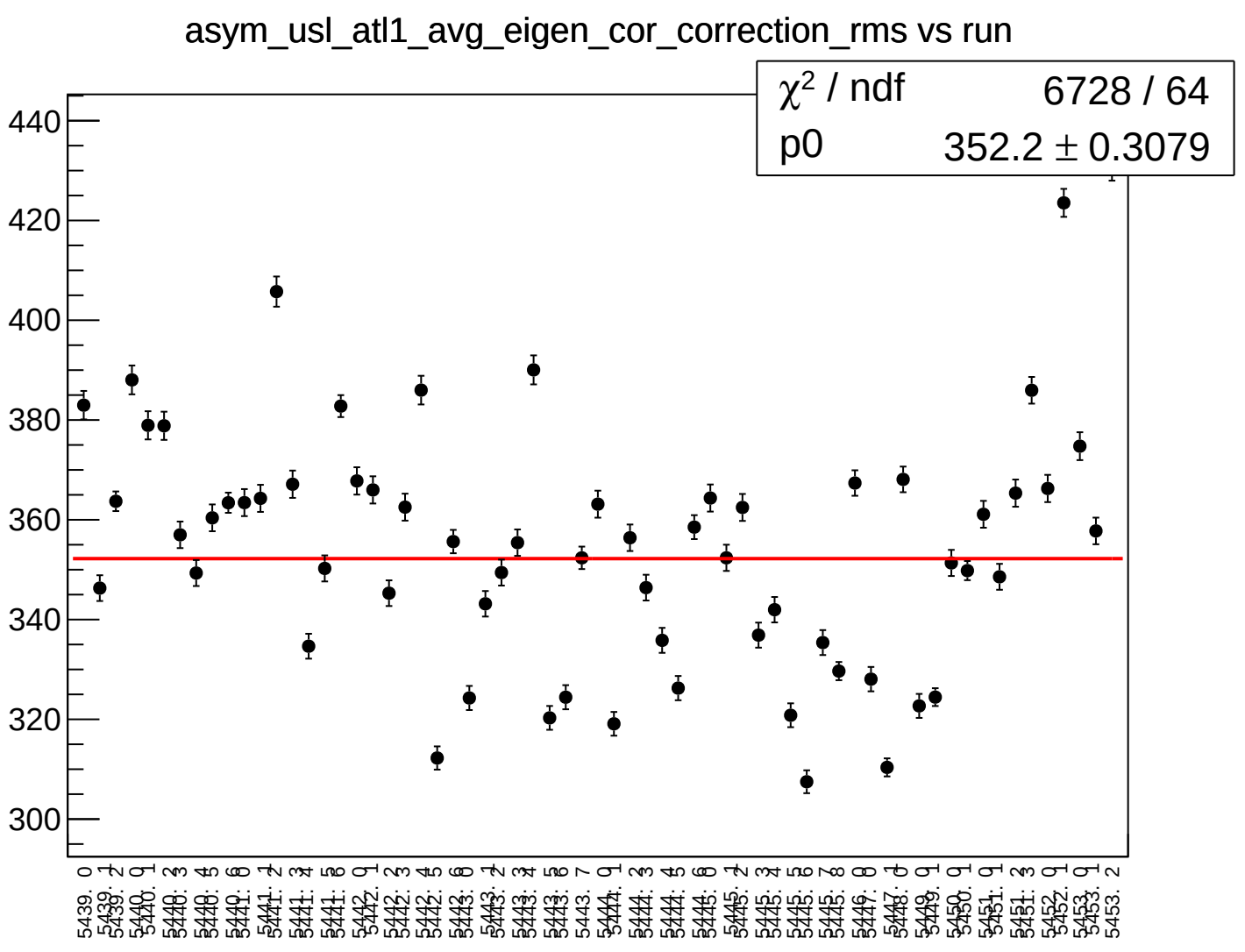

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.73 / 64
p0 2555 ± 1795
pull
Entries 65
Mean −46.09
Std Dev 0

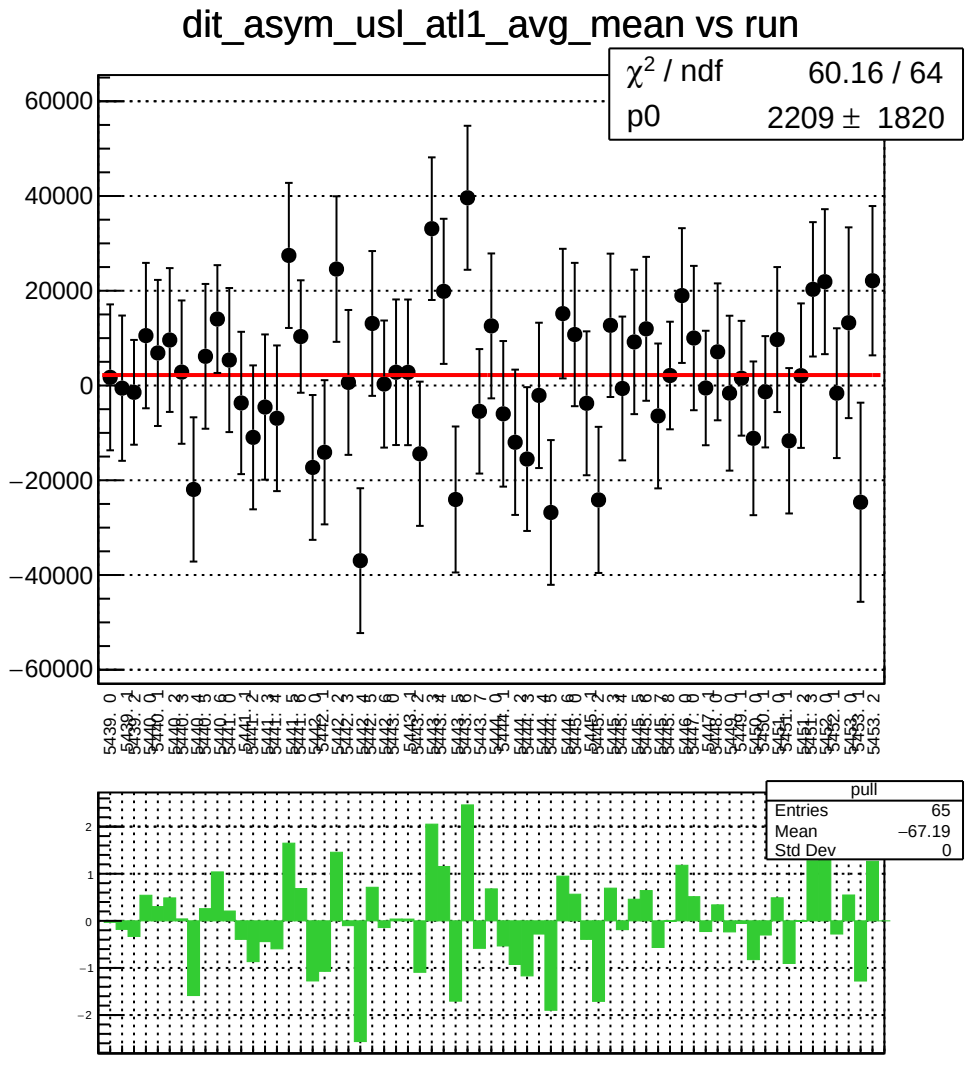

pull1D
Entries 65
Mean −0.01749
Std Dev 0.9665

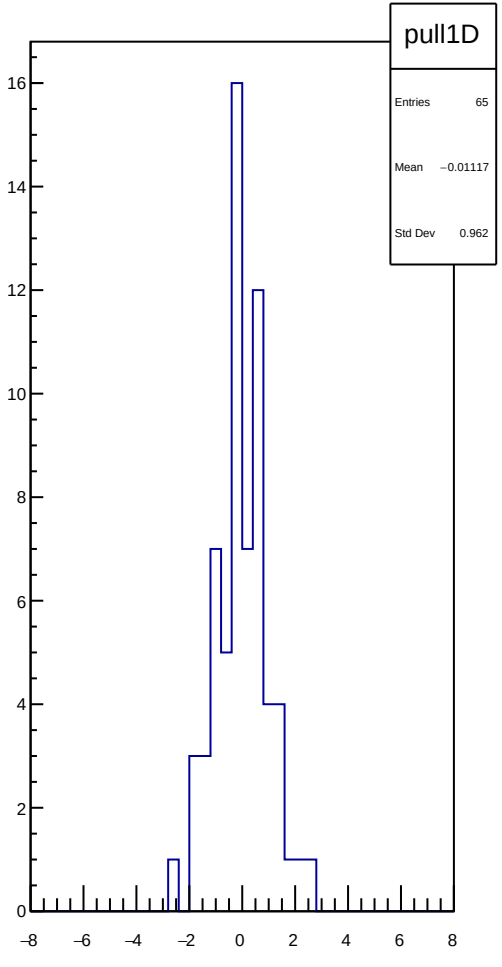

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 379.3 / 64
p0 1455 ± 1.269
1560
1540
1520
1500
1480
1460
1440
1420
1400

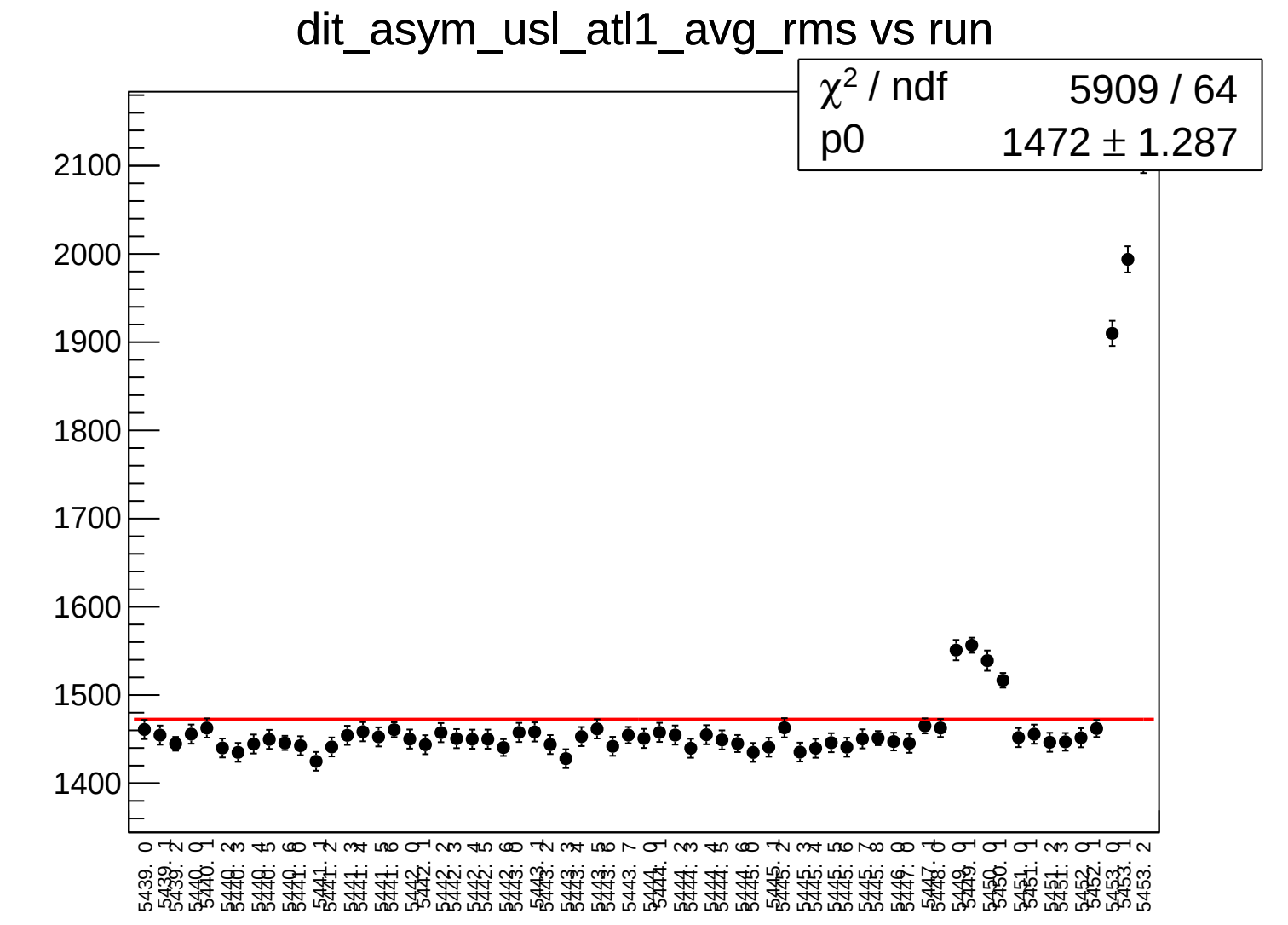

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.02 / 64
p0 −843.8 ± 435.4
pull
Entries 65
Mean −74.68
Std Dev 0

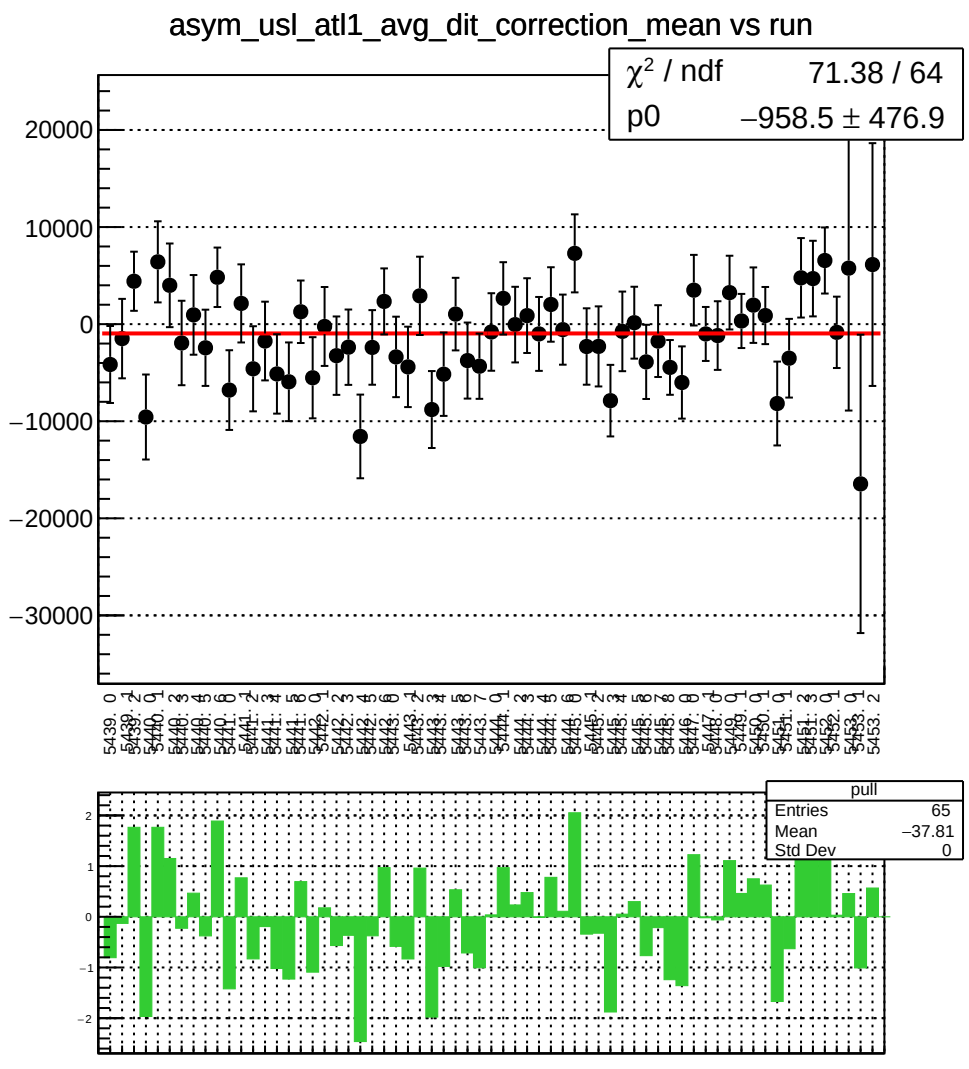

pull1D
Entries 65
Mean −0.02669
Std Dev 1.045

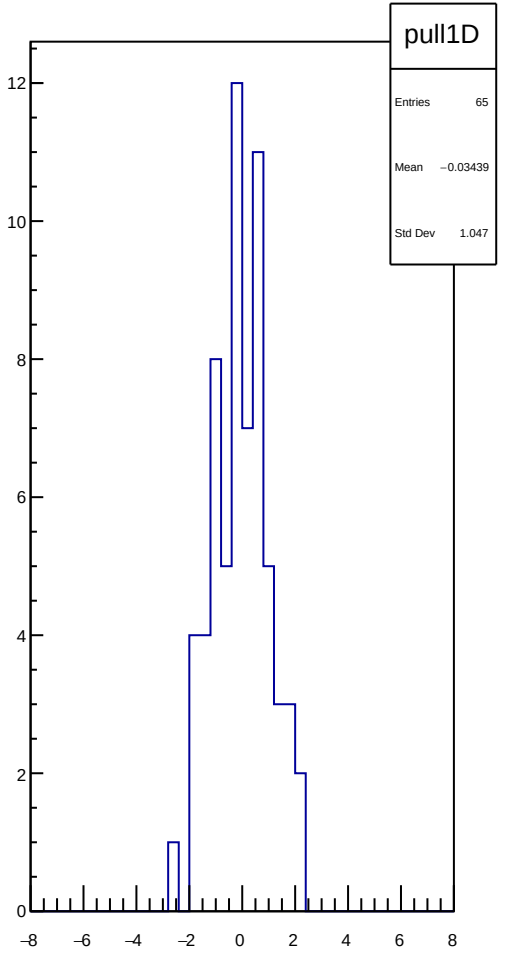

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 6728 / 64
p0 352.2 ± 0.3079
440
420
400
380
360
340
320
300
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

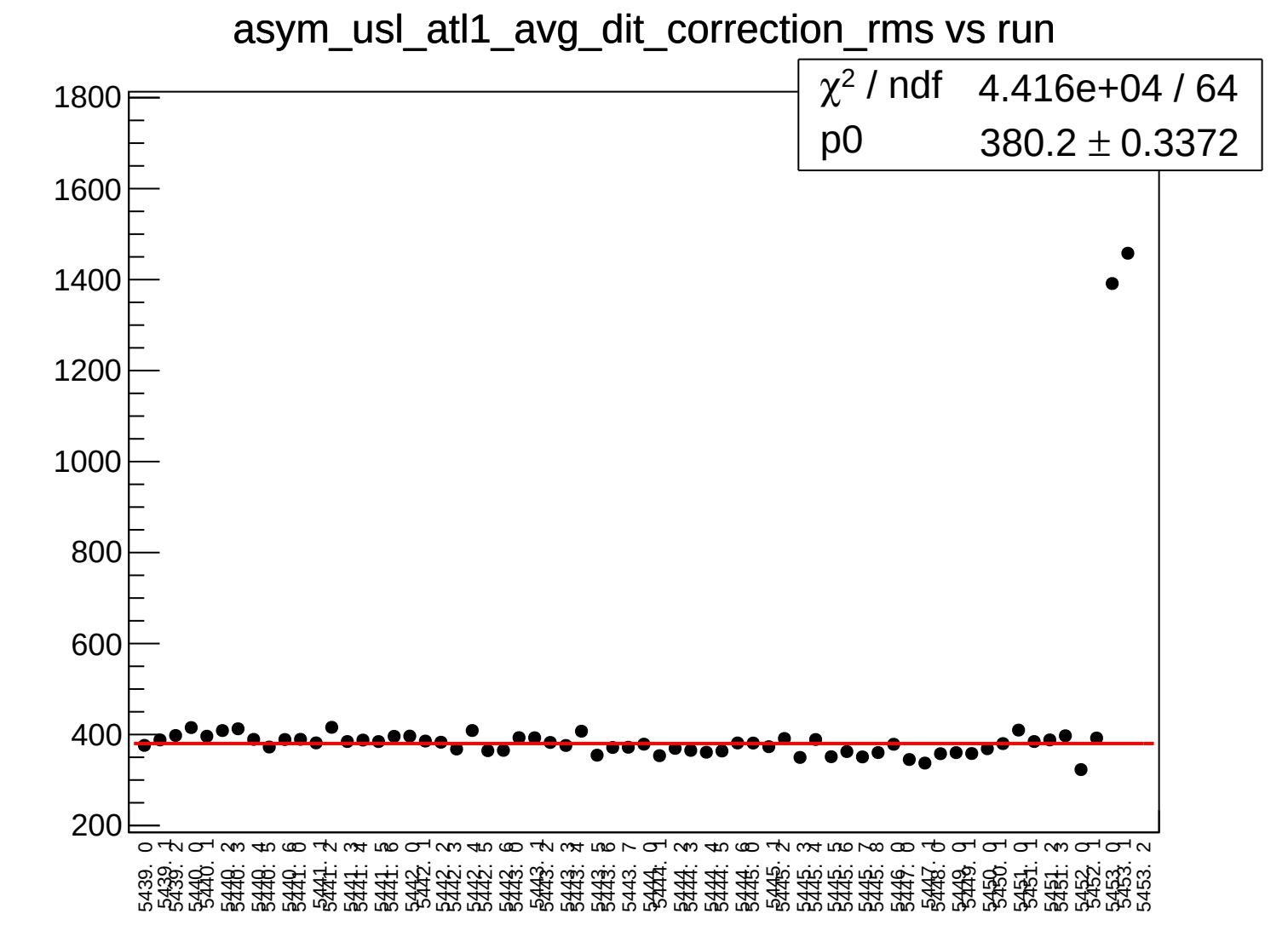

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.16 / 64
p0 2209 ± 1820
pull
Entries 65
Mean −67.19
Std Dev 0

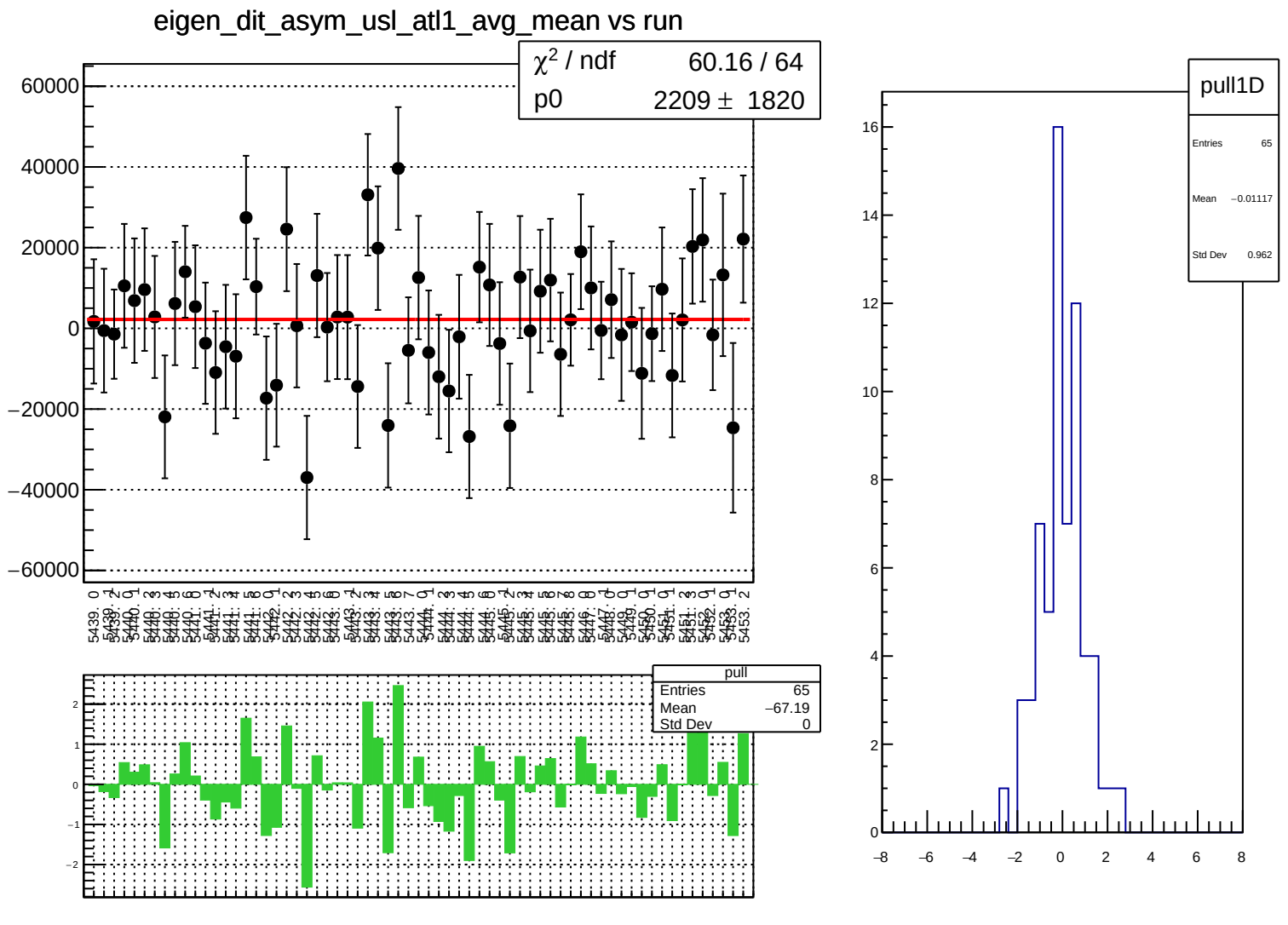

pull1D
Entries 65
Mean −0.01117
Std Dev 0.962

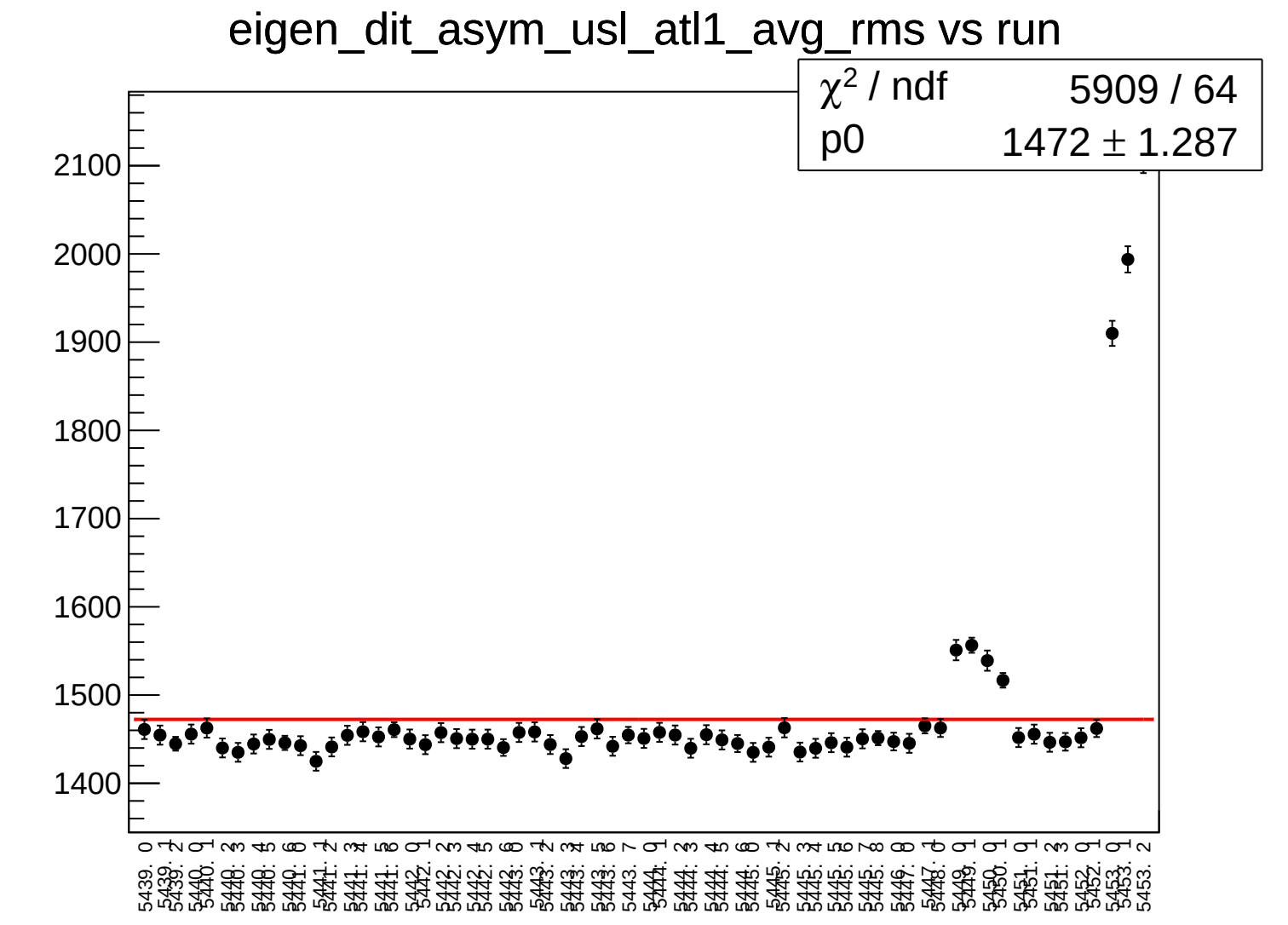

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 5909 / 64
p0 1472 ± 1.287
2100
2000
1900
1800
1700
1600
1500
1400

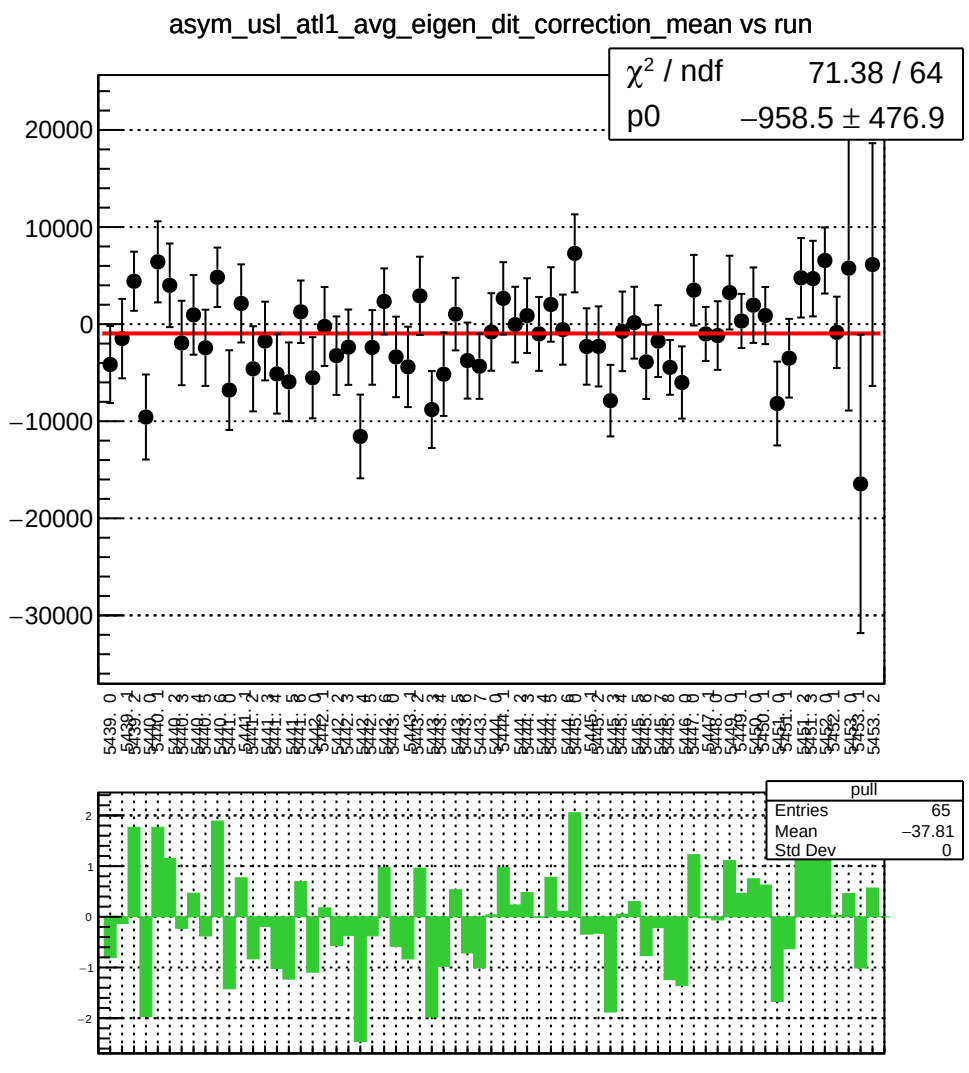

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 71.38 / 64
p0 −958.5 ± 476.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −37.81
Std Dev 0
2
1
0
−1
−2

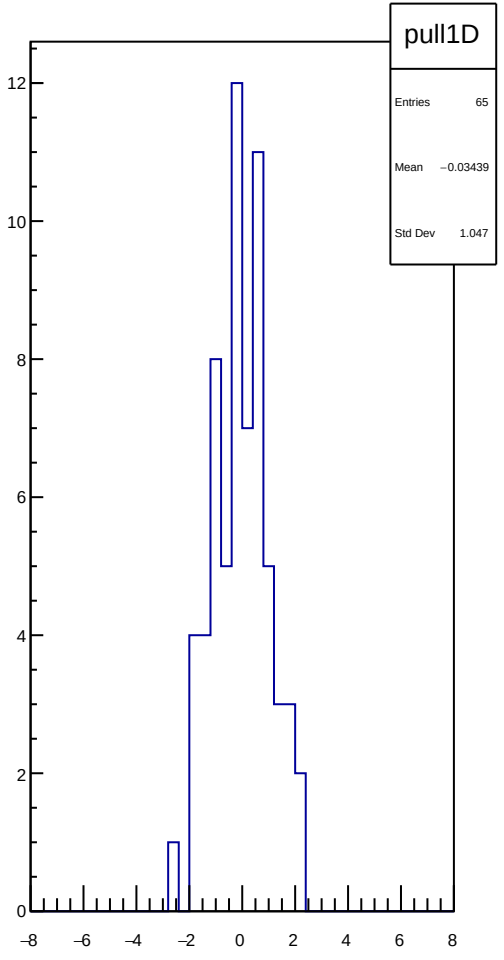

pull1D
Entries 65
Mean −0.03439
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

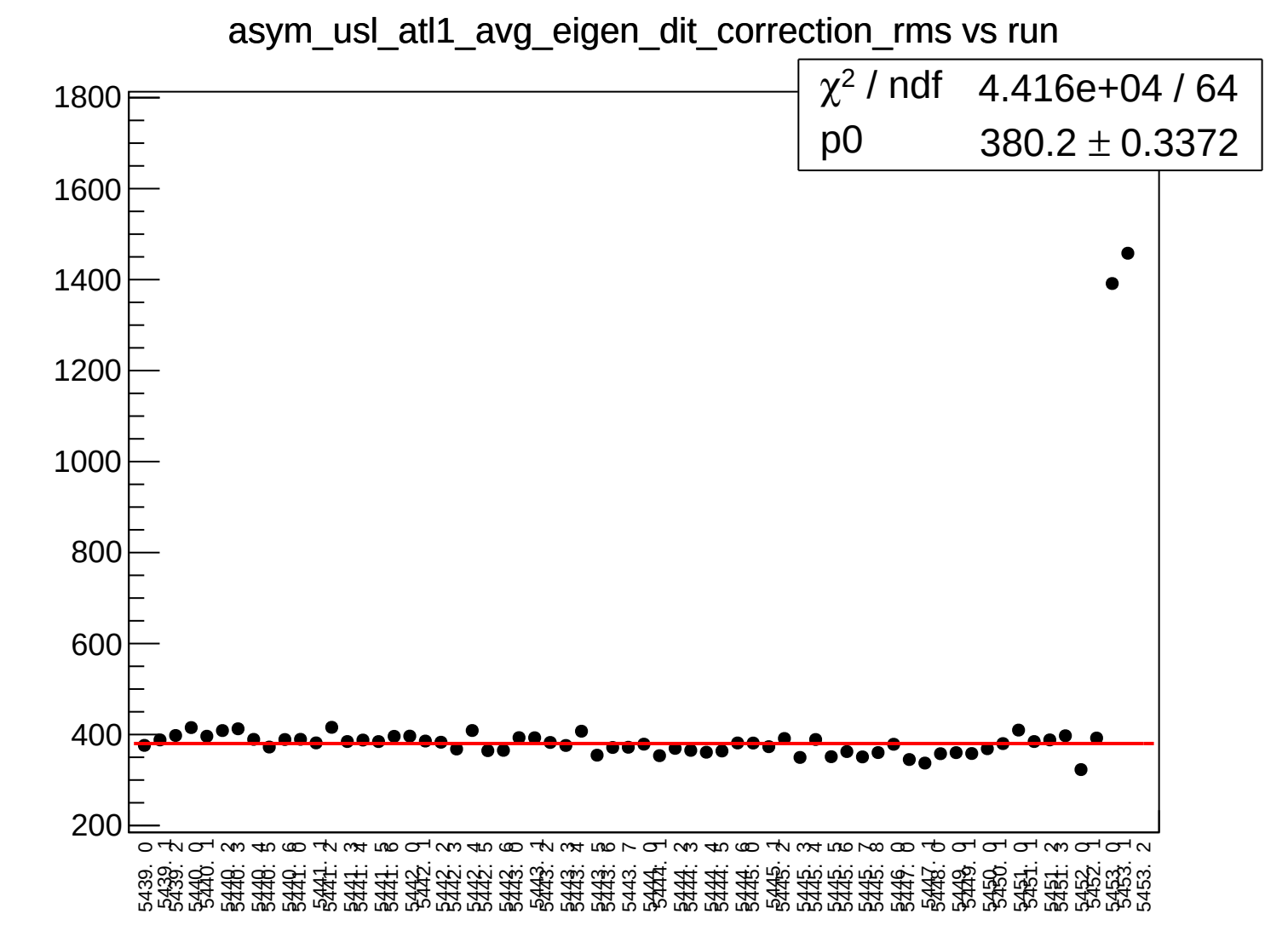

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 4.416e+04 / 64
p0 380.2 ± 0.3372
1800
1600
1400
1200
1000
800
600
400
200

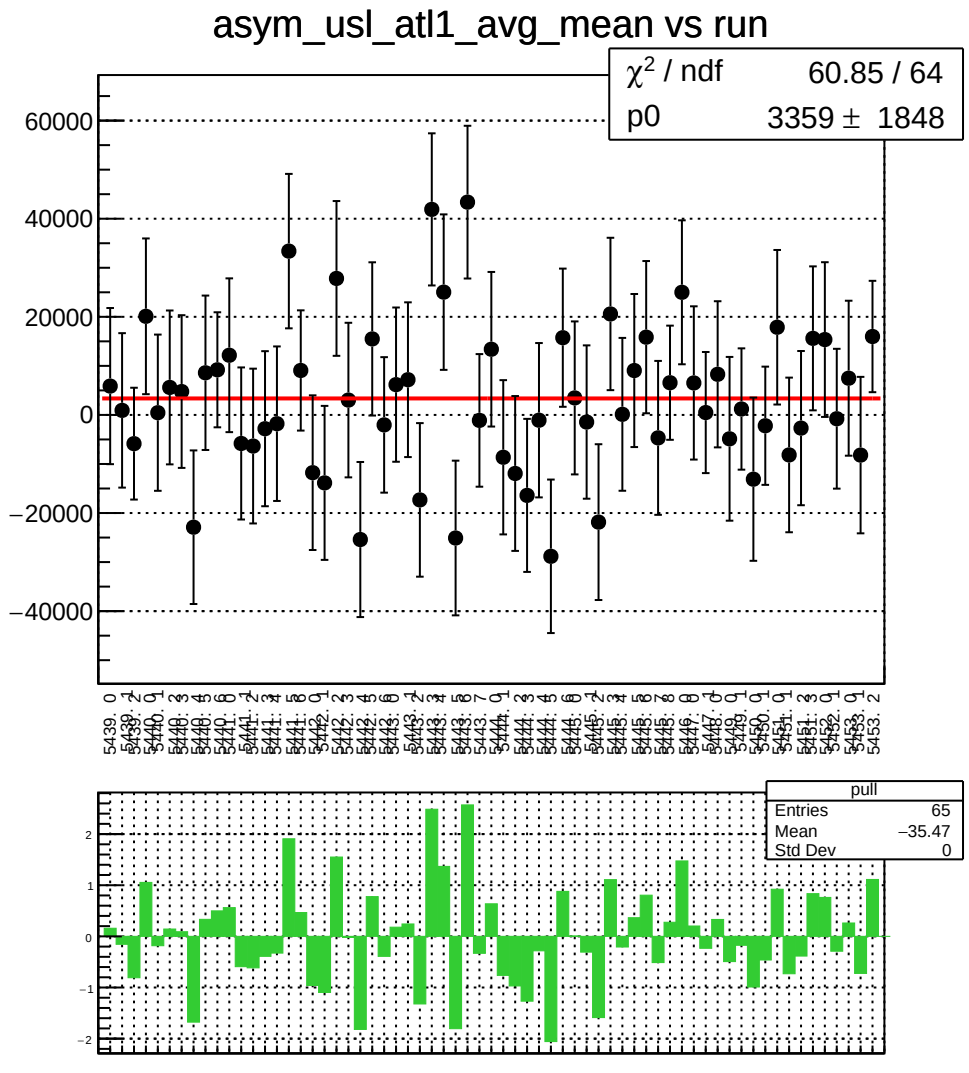

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.16 / 64
p0 2209 ± 1820
pull
Entries 65
Mean −67.19
Std Dev 0
pull1D
Entries 65
Mean −0.01117
Std Dev 0.962

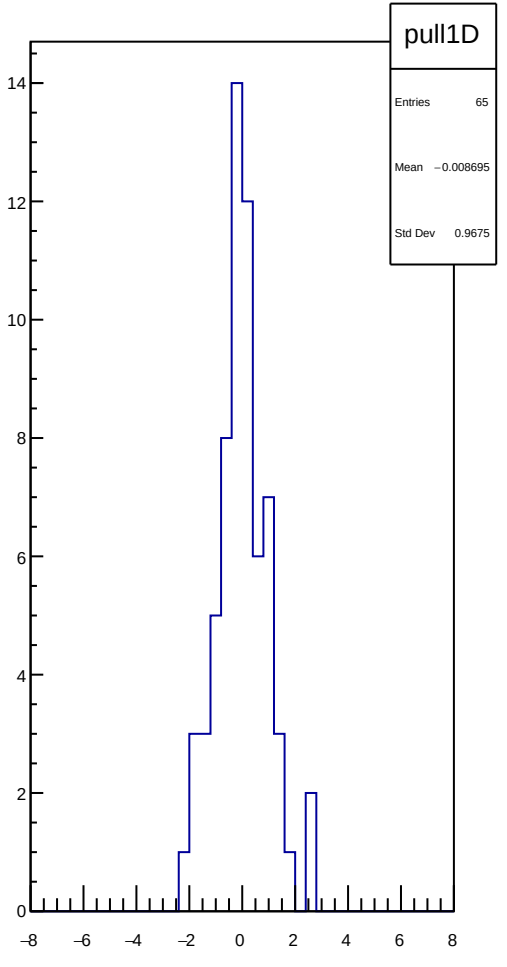

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 5909 / 64
p0 1472 ± 1.287
2100
2000
1900
1800
1700
1600
1500
1400

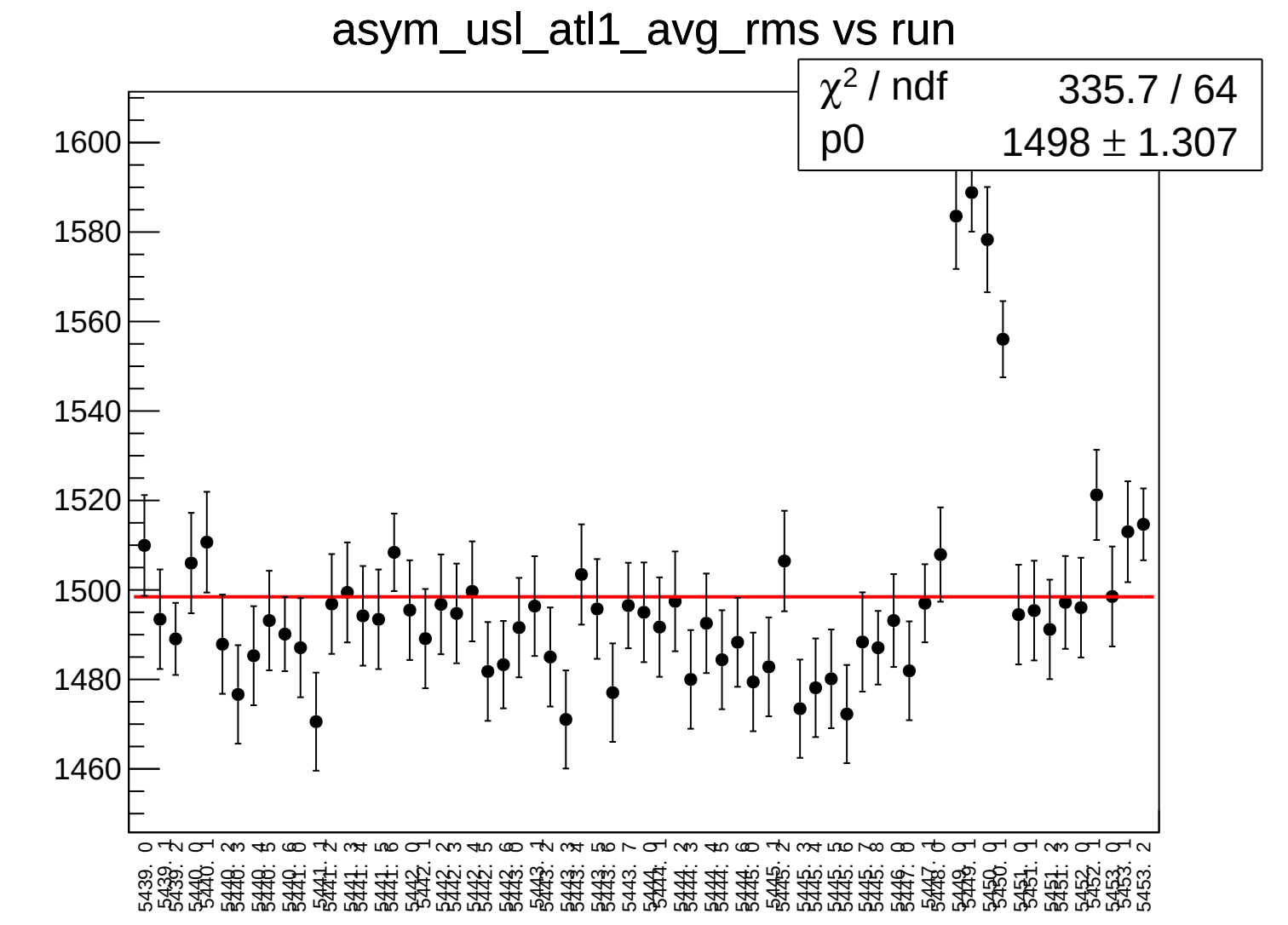

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.38 / 64
p0 −958.5 ± 476.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −37.81
Std Dev 0
2
1
0
−1
−2

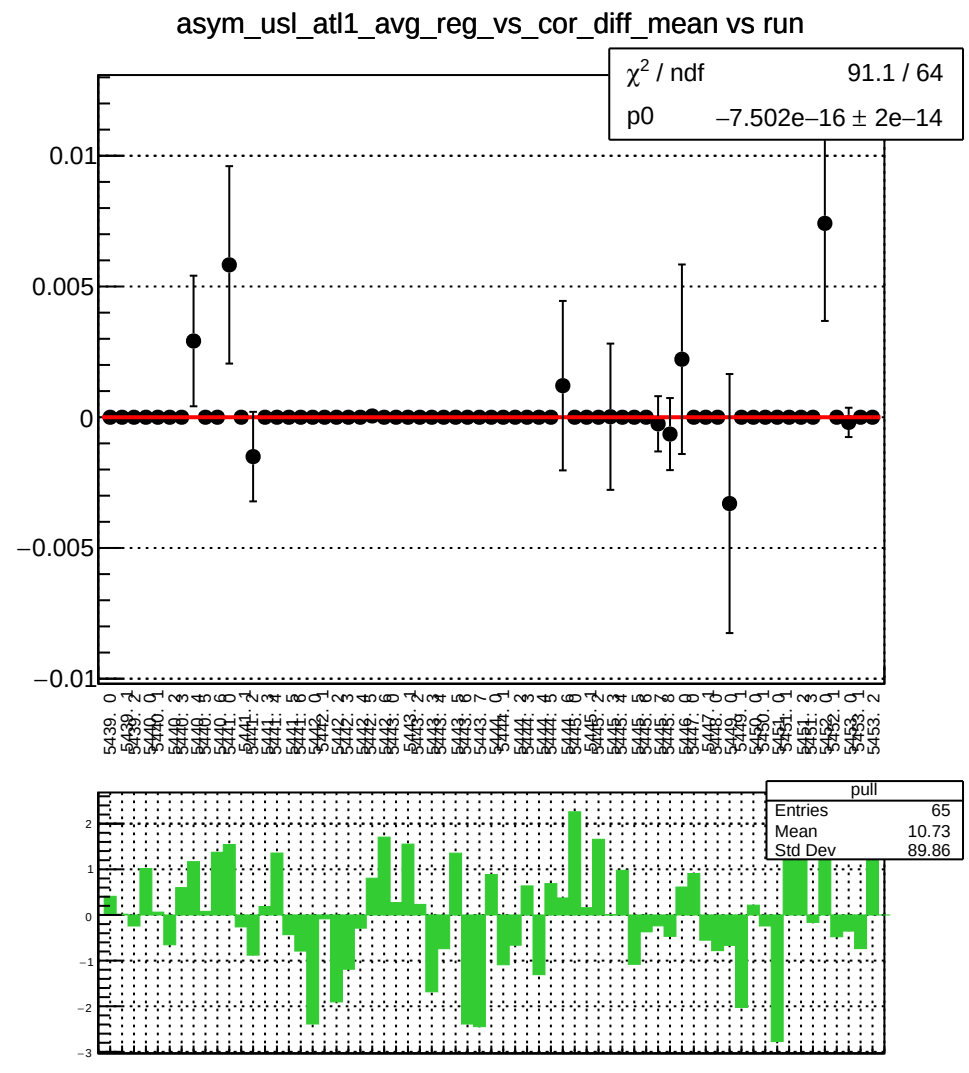

pull1D
Entries 65
Mean −0.03439
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

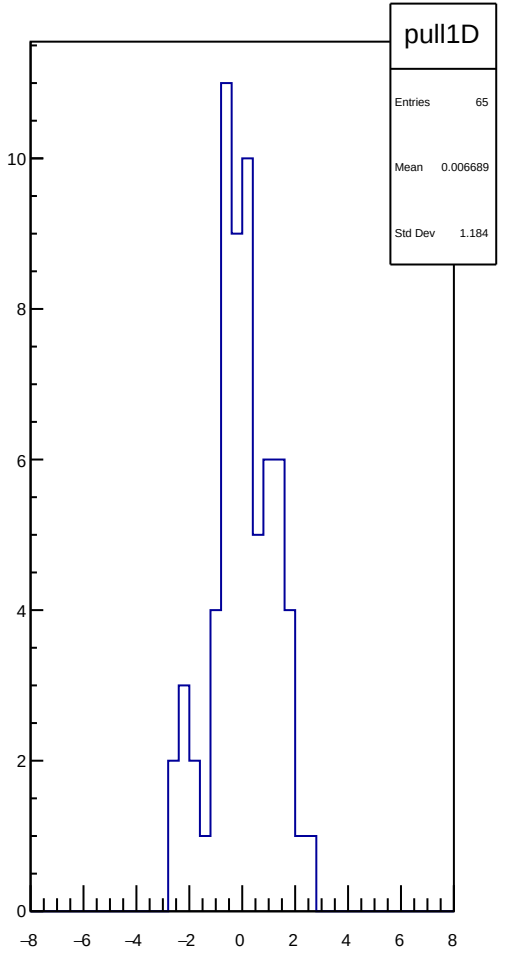

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.416e+04 / 64
p0 380.2 ± 0.3372
1800
1600
1400
1200
1000
800
600
400
200

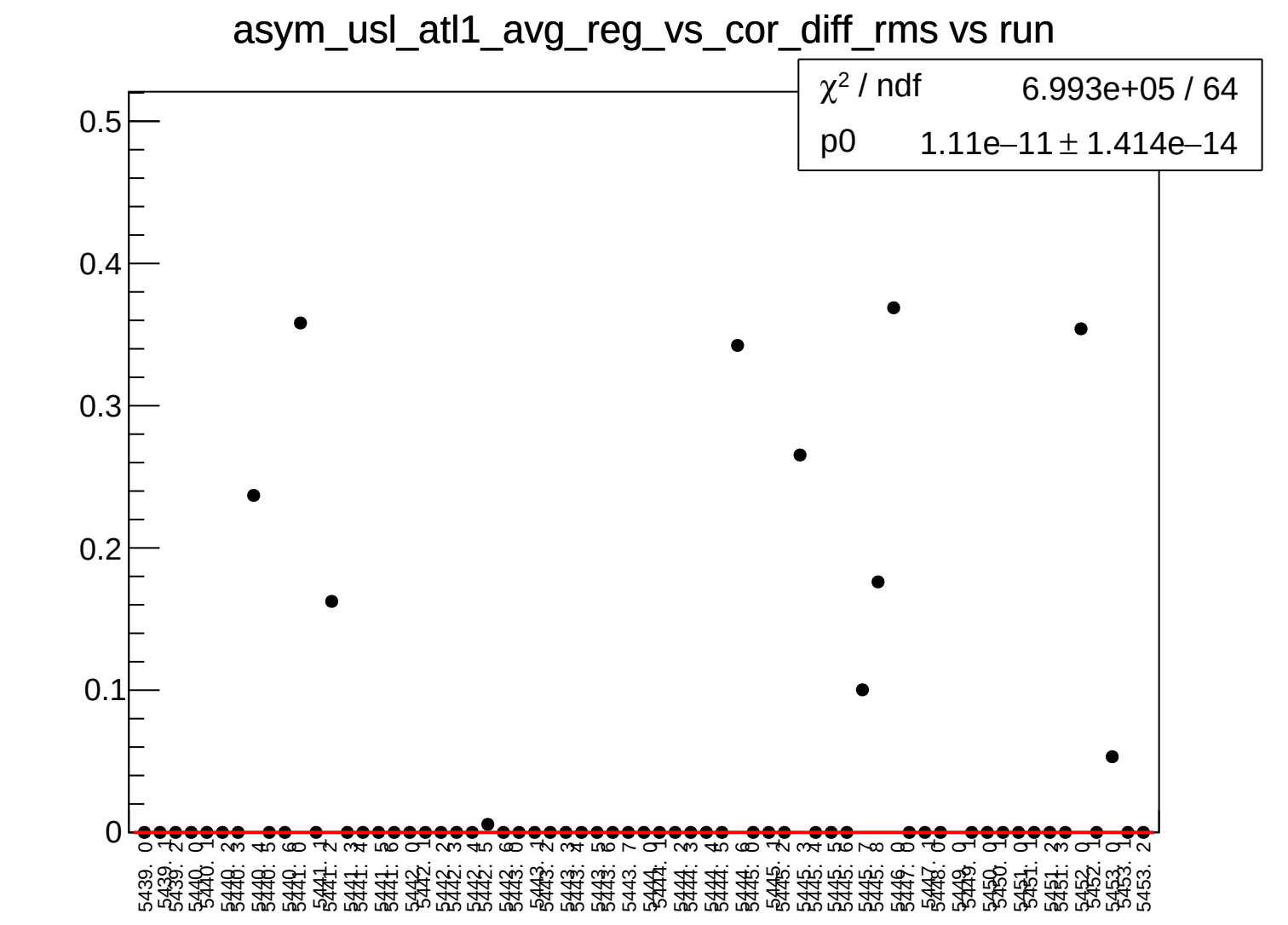

asym_usl_atl1_avg_mean vs run
χ² / ndf 60.85 / 64
p0 3359 ± 1848
60000
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −35.47
Std Dev 0
2
1
0
−1
−2

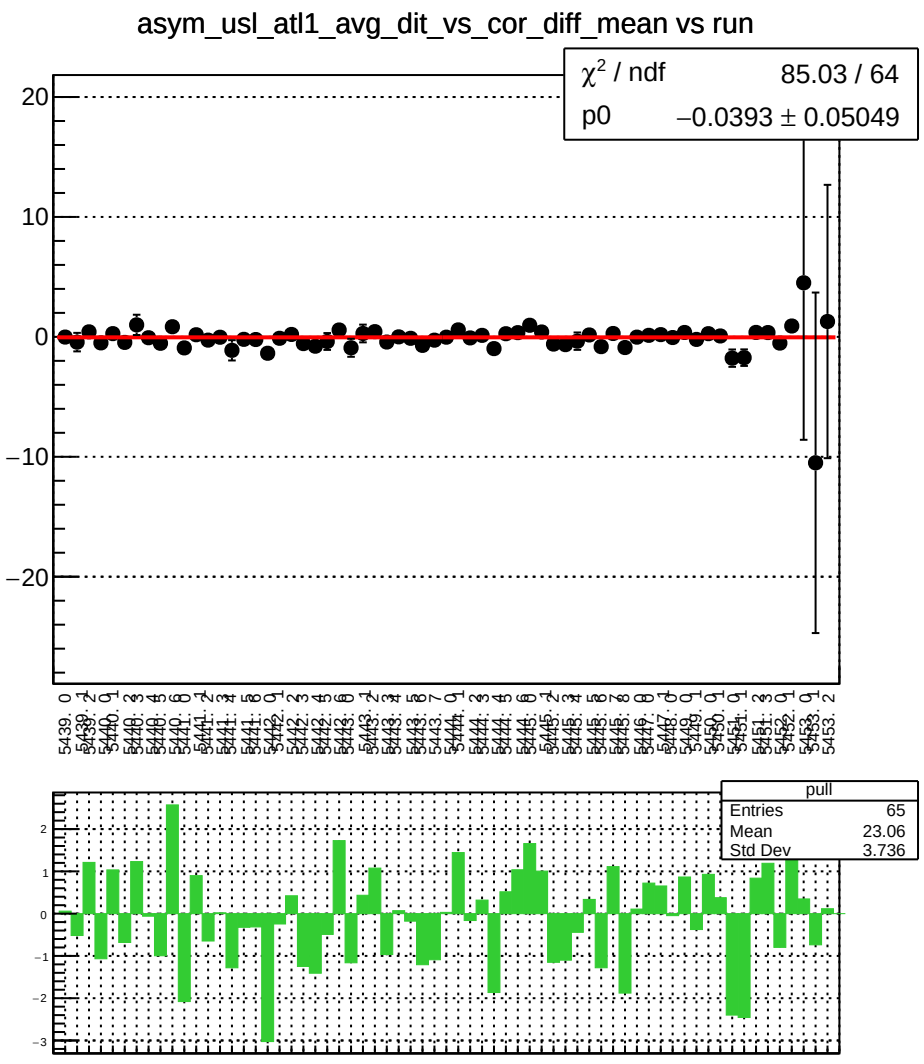

pull1D
Entries 65
Mean −0.008695
Std Dev 0.9675
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

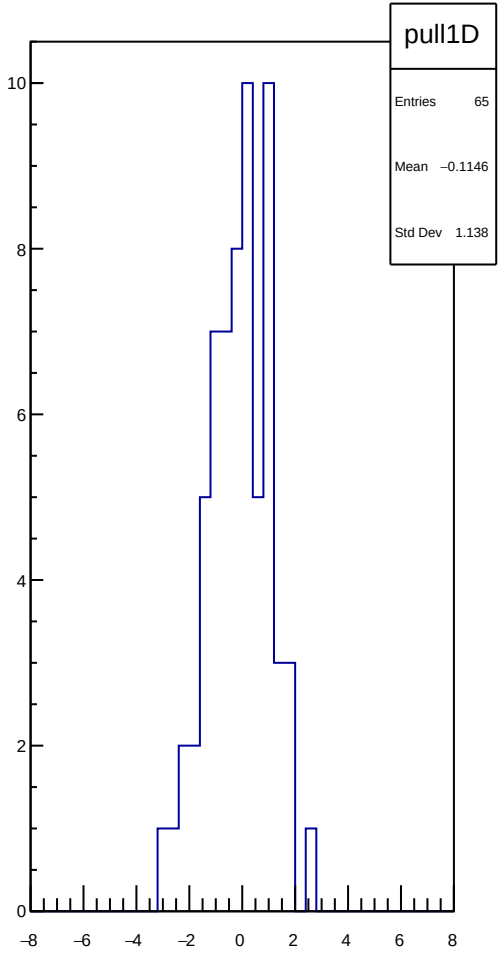

asym_usl_atl1_avg_rms vs run
χ² / ndf 335.7 / 64
p0 1498 ± 1.307
1600
1580
1560
1540
1520
1500
1480
1460

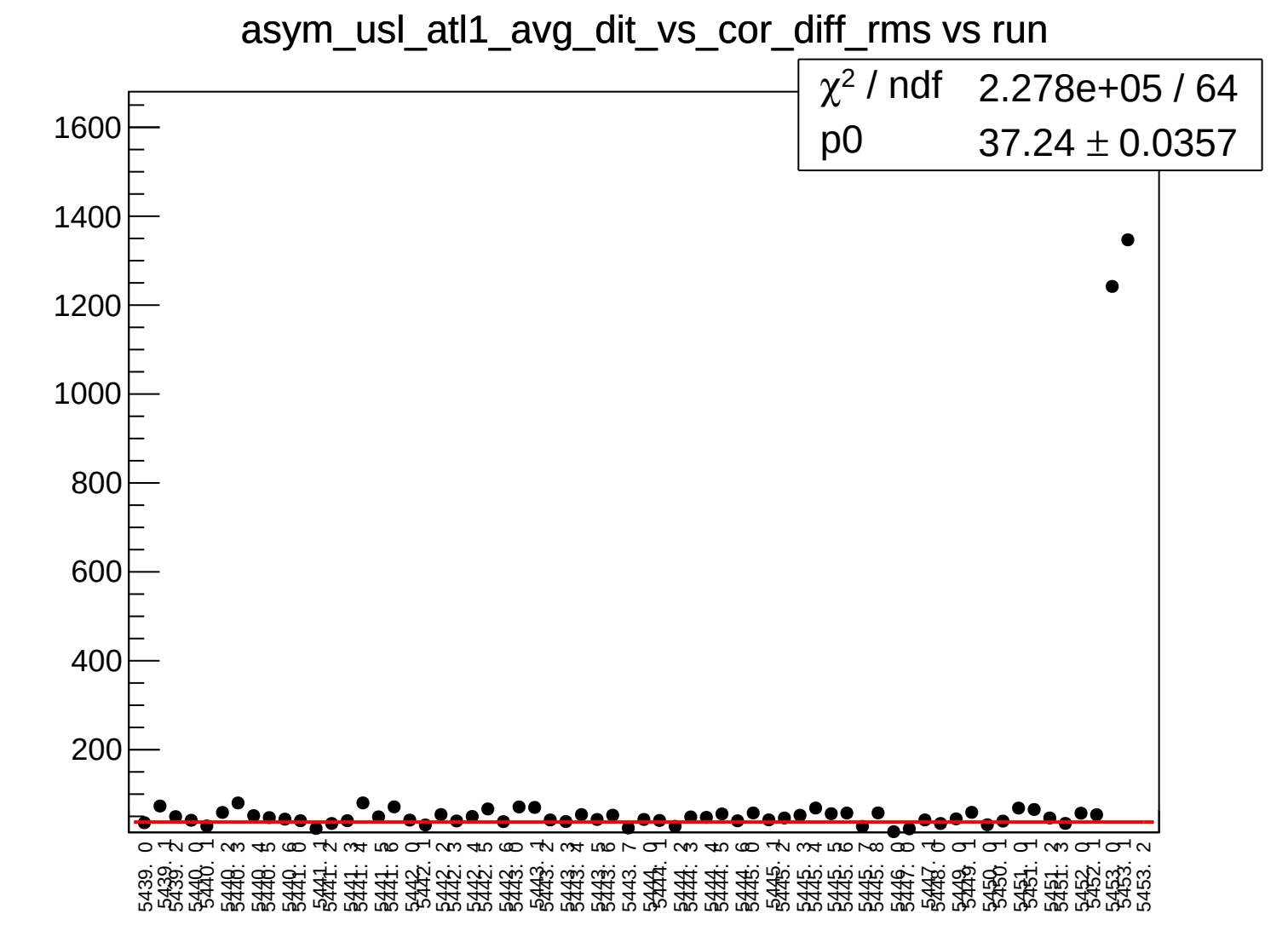

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.1 / 64
p0 −7.502e−16 ± 2e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 65
Mean 10.73
Std Dev 89.86
2
1
0
−1
−2
−3

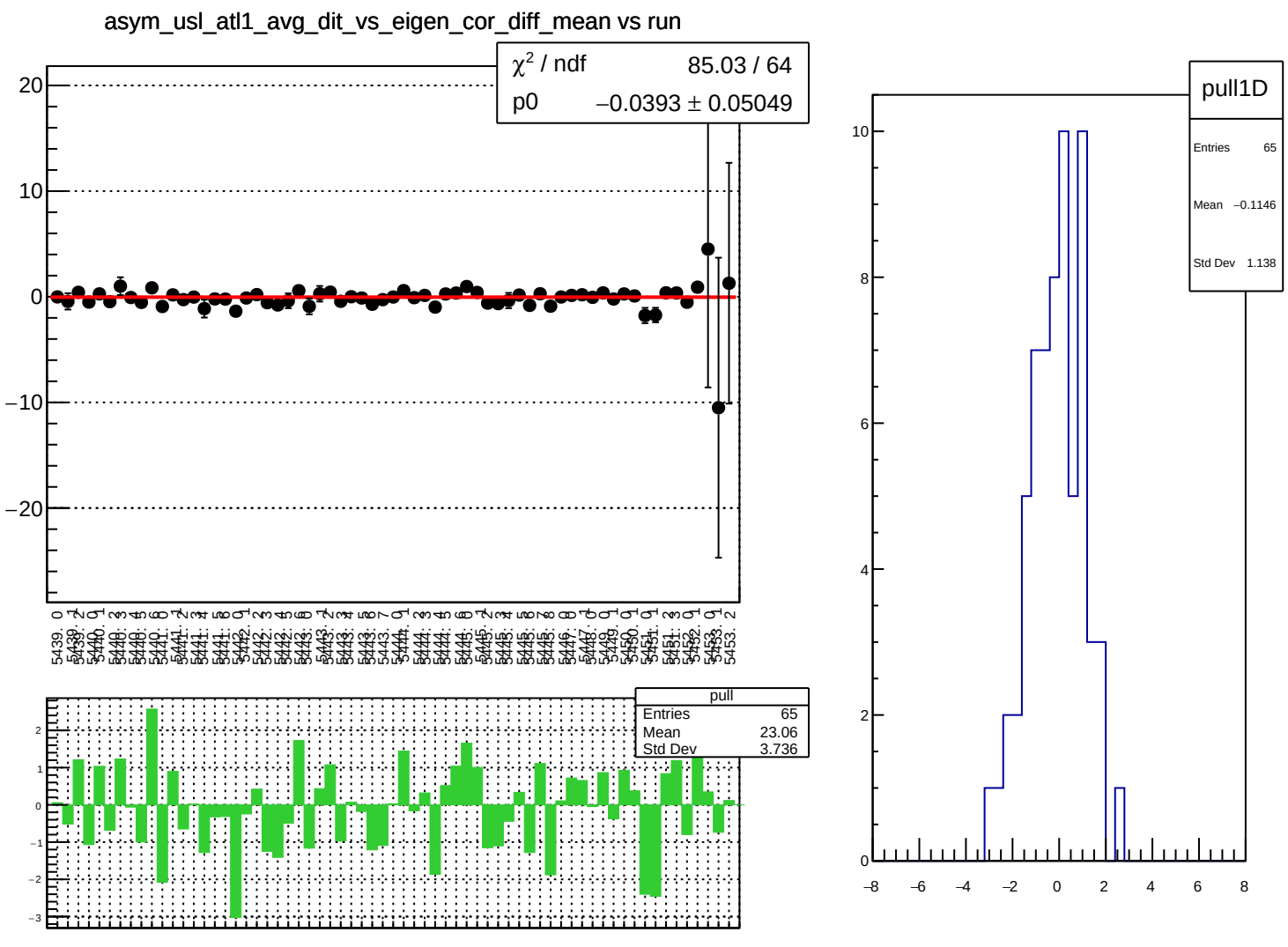

pull1D
Entries 65
Mean 0.006689
Std Dev 1.184
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

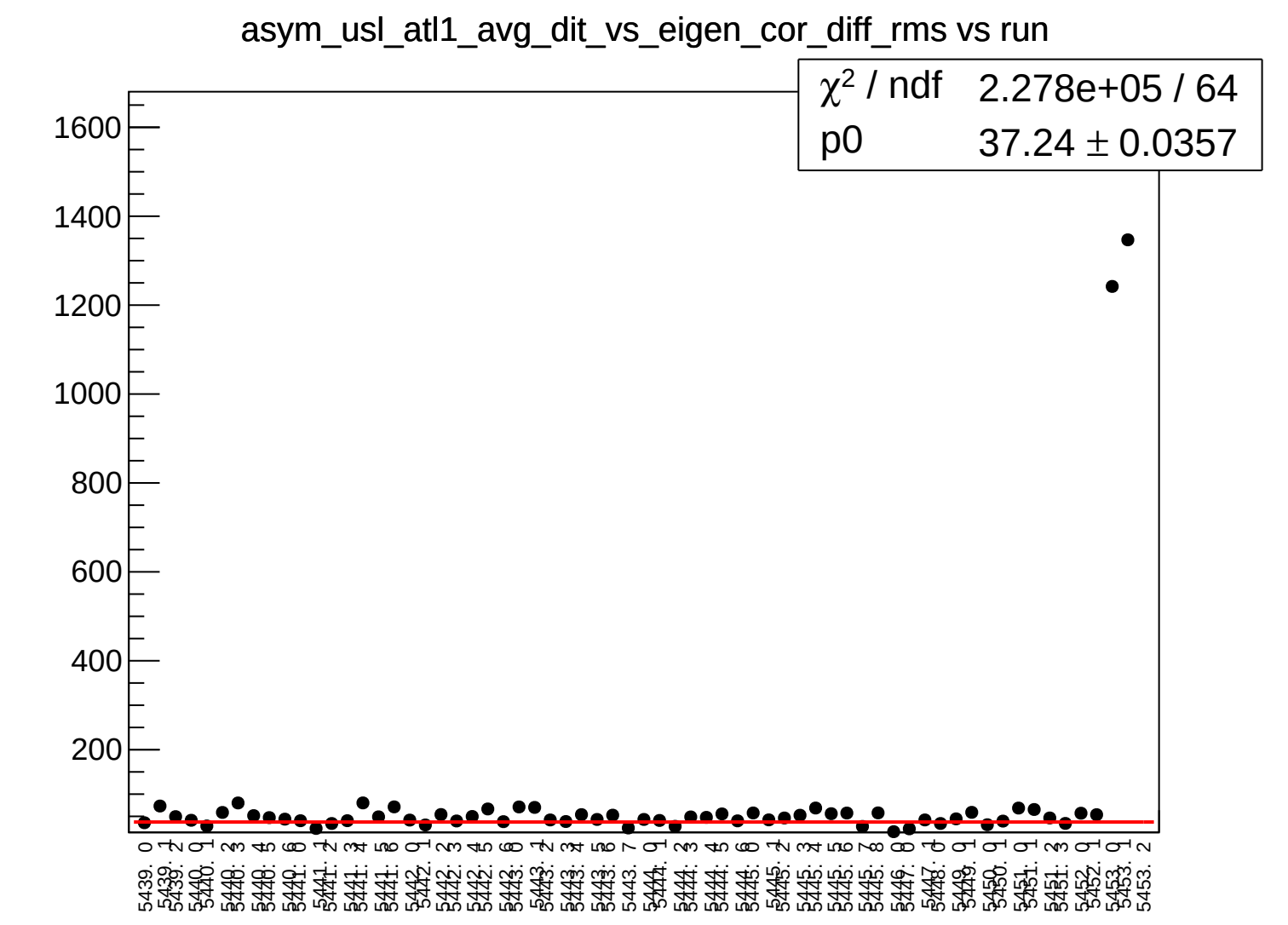

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.993e+05 / 64
p0 1.11e−11 ± 1.414e−14
0.5
0.4
0.3
0.2
0.1
0

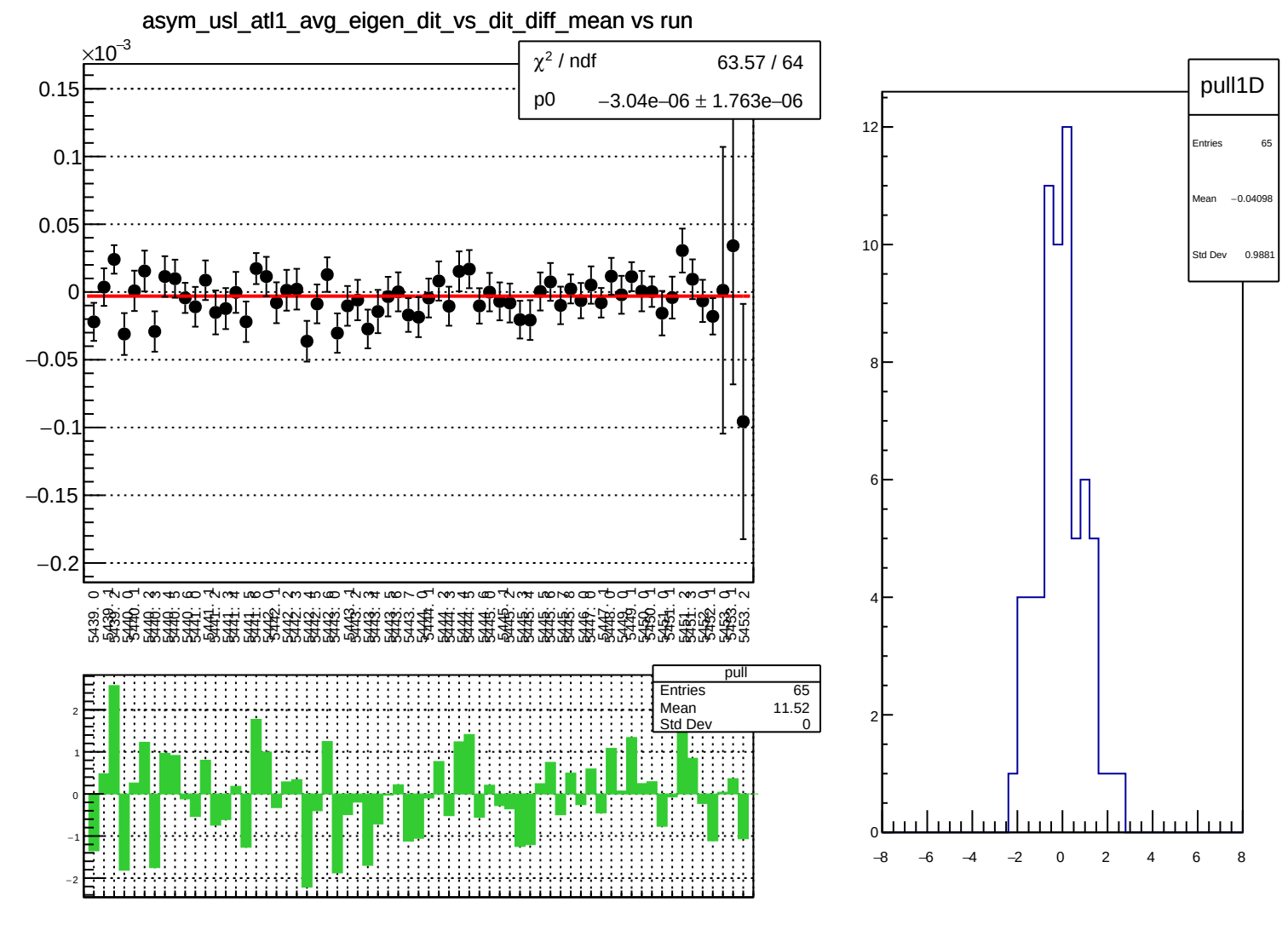

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.03 / 64
p0 −0.0393 ± 0.05049
pull
Entries 65
Mean 23.06
Std Dev 3.736

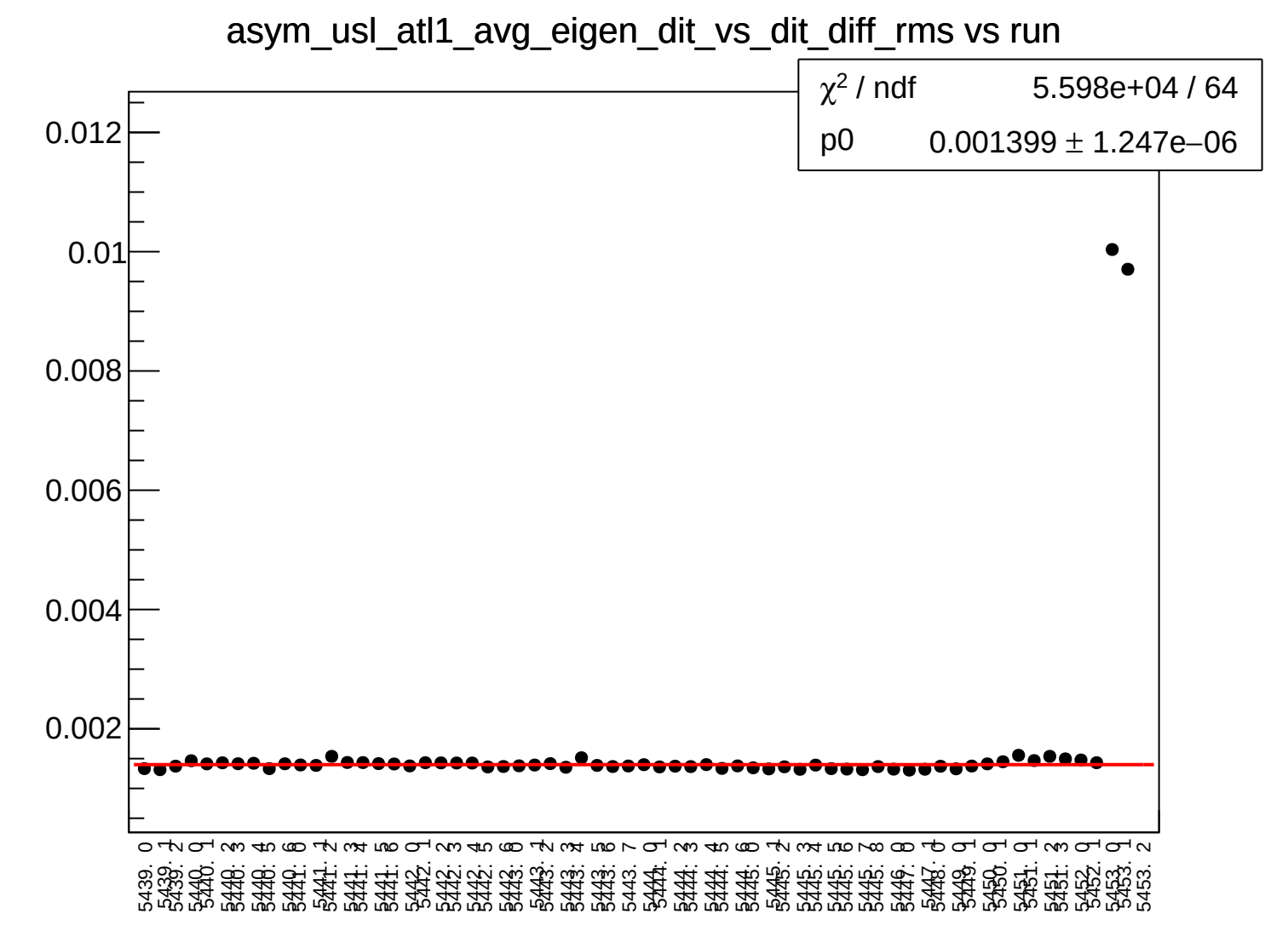

pull1D
Entries 65
Mean −0.1146
Std Dev 1.138

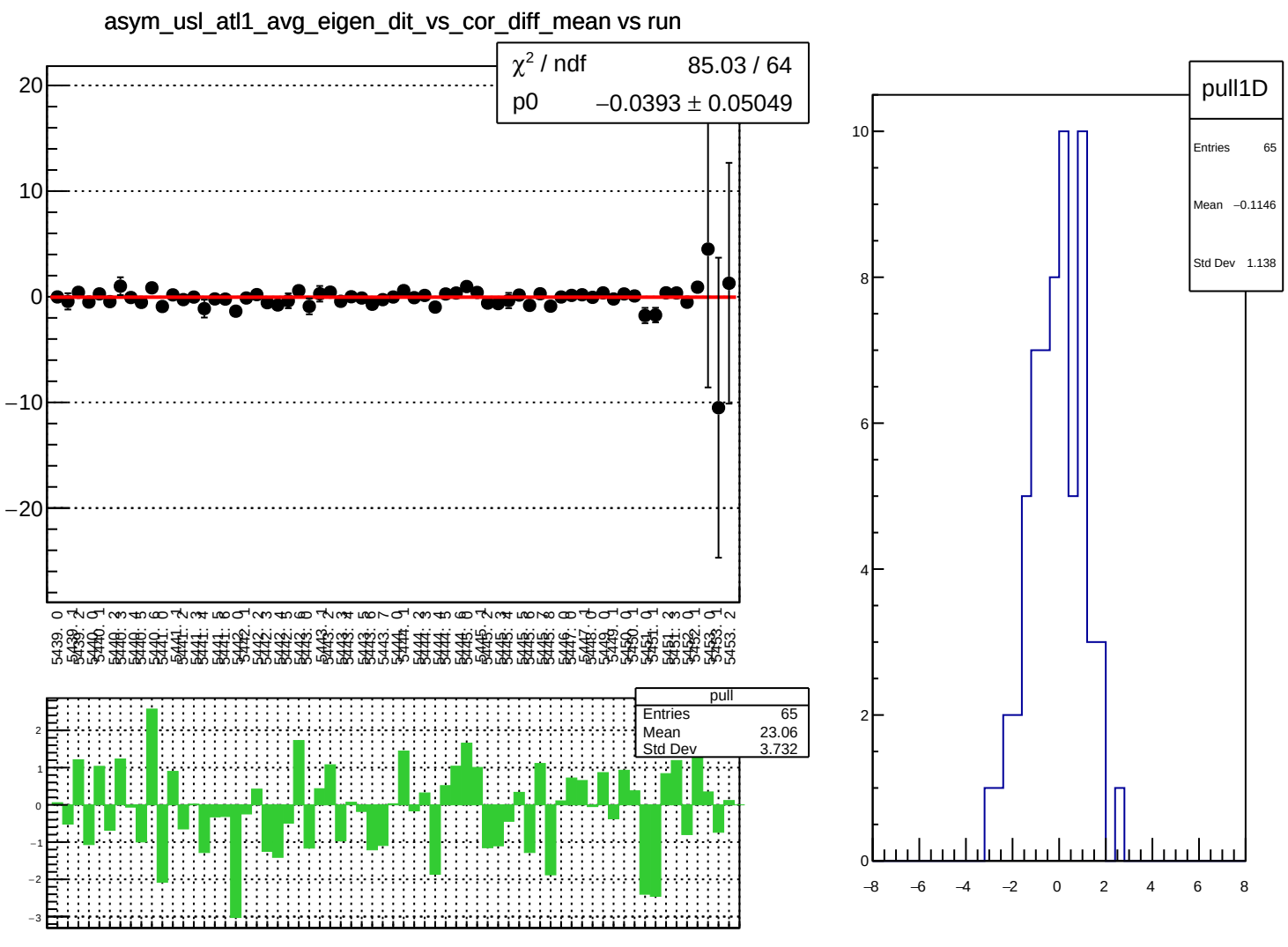

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.278e+05 / 64
p0 37.24 ± 0.0357
1600
1400
1200
1000
800
600
400
200

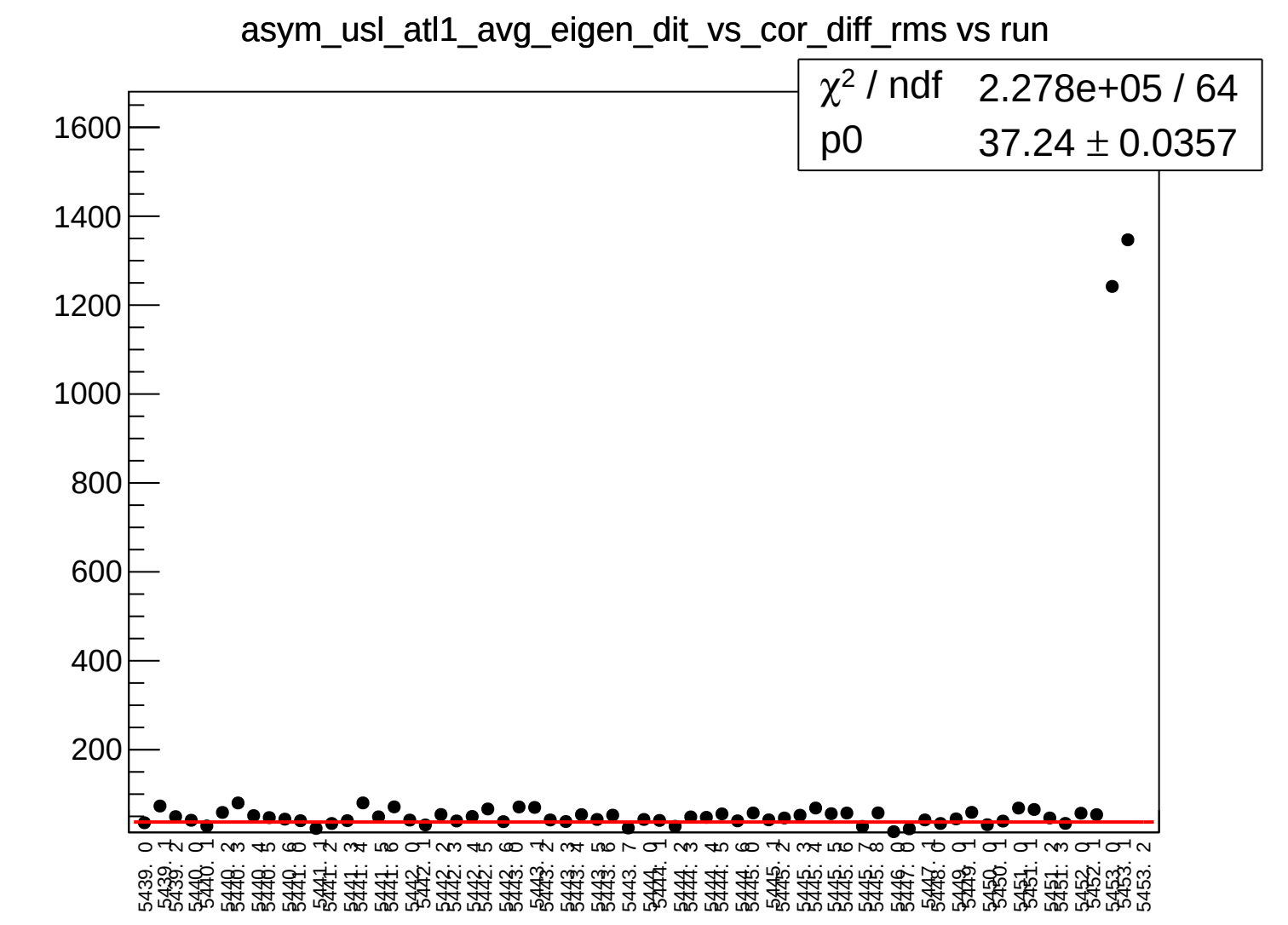

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.03 / 64
p0 −0.0393 ± 0.05049
pull
Entries 65
Mean 23.06
Std Dev 3.736
pull1D
Entries 65
Mean −0.1146
Std Dev 1.138

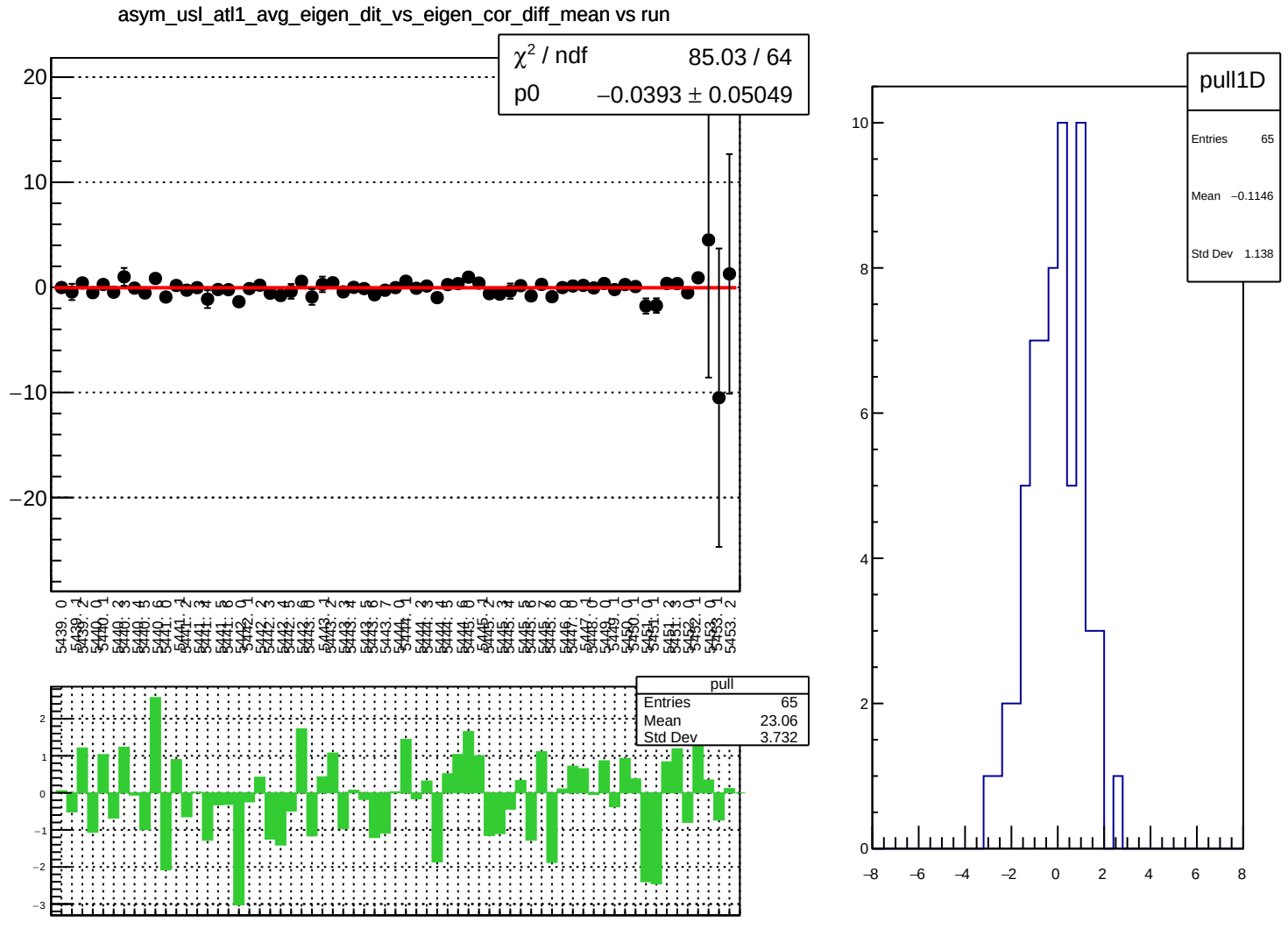

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.278e+05 / 64
p0 37.24 ± 0.0357
1600
1400
1200
1000
800
600
400
200

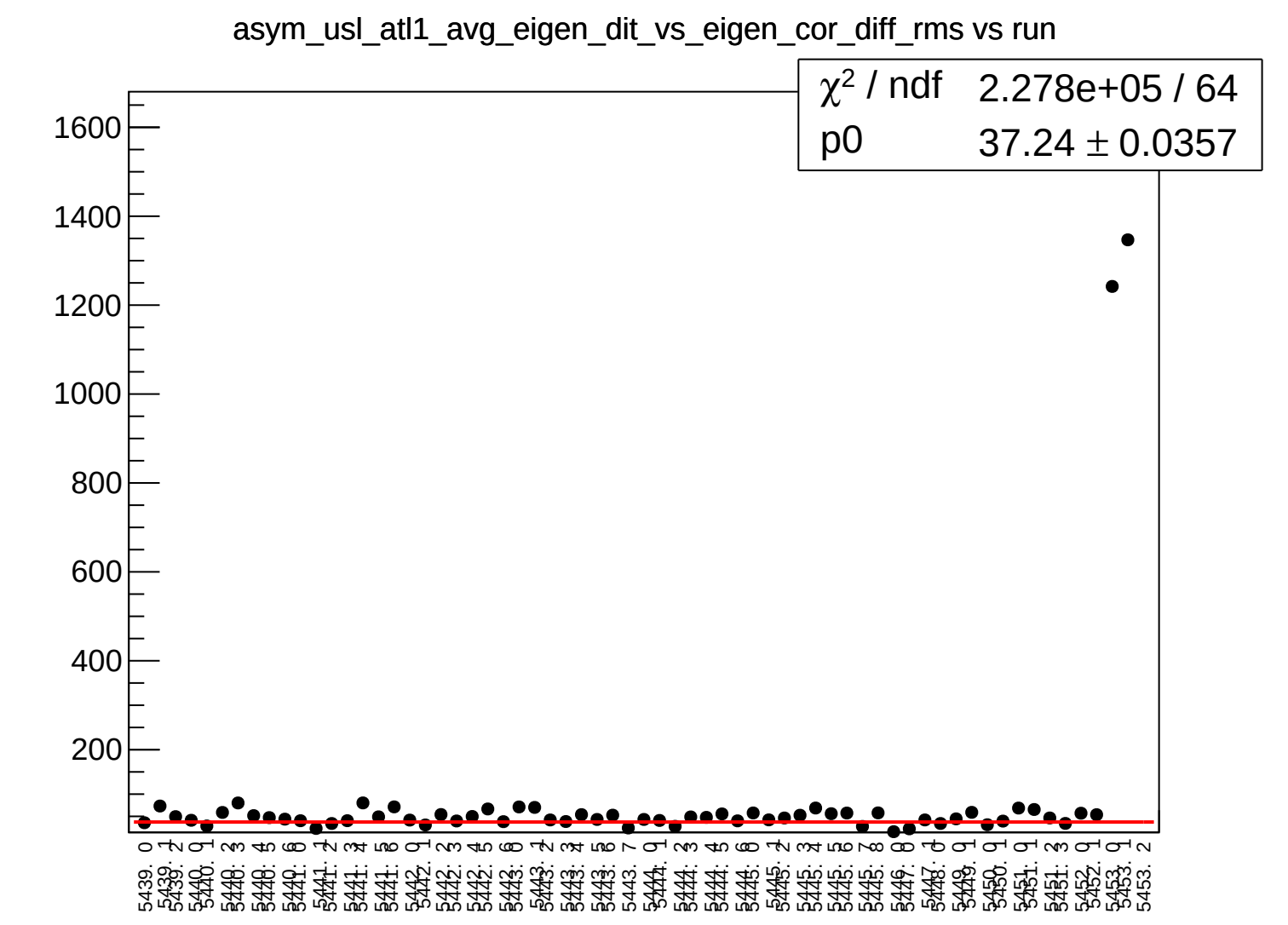

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.57 / 64
p0 −3.04e−06 ± 1.763e−06
pull
Entries 65
Mean 11.52
Std Dev 0
pull1D
Entries 65
Mean −0.04098
Std Dev 0.9881

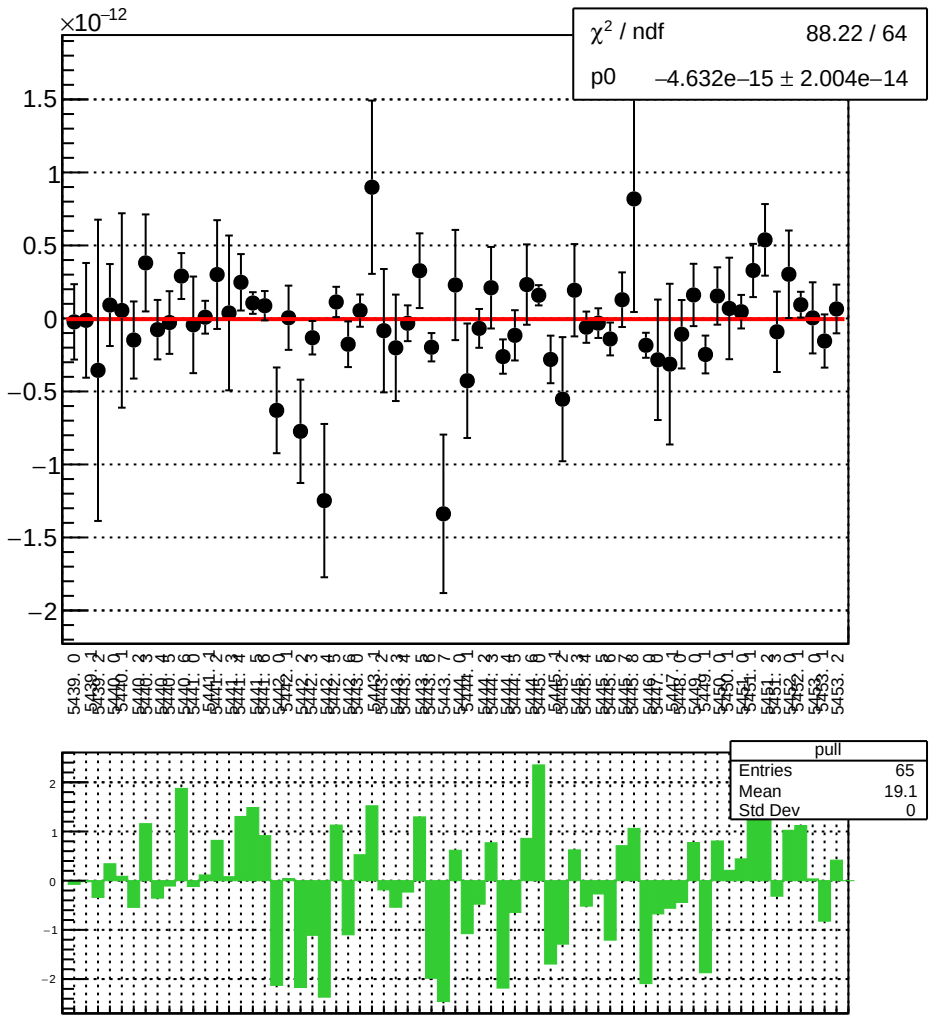

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.598e+04 / 64
p0 0.001399 ± 1.247e−06
0.012
0.01
0.008
0.006
0.004
0.002

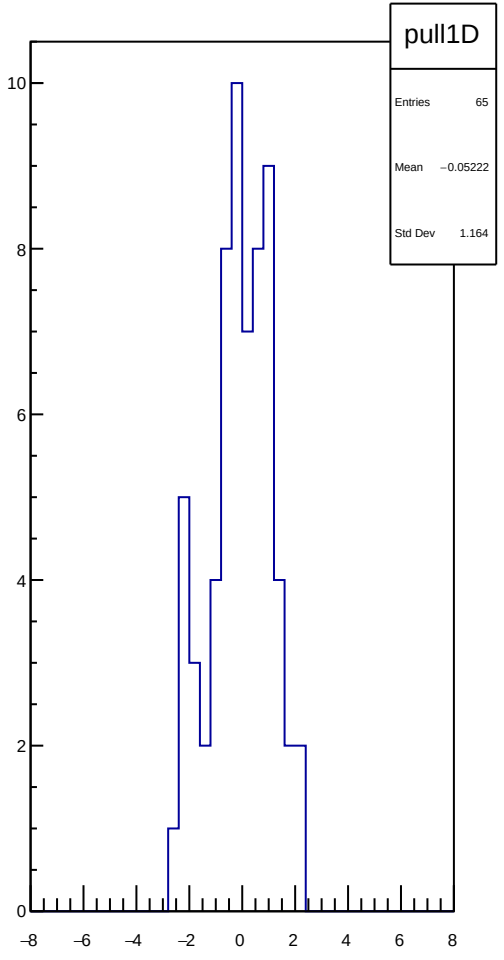

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.03 / 64
p0 −0.0393 ± 0.05049
pull
Entries 65
Mean 23.06
Std Dev 3.732
pull1D
Entries 65
Mean −0.1146
Std Dev 1.138

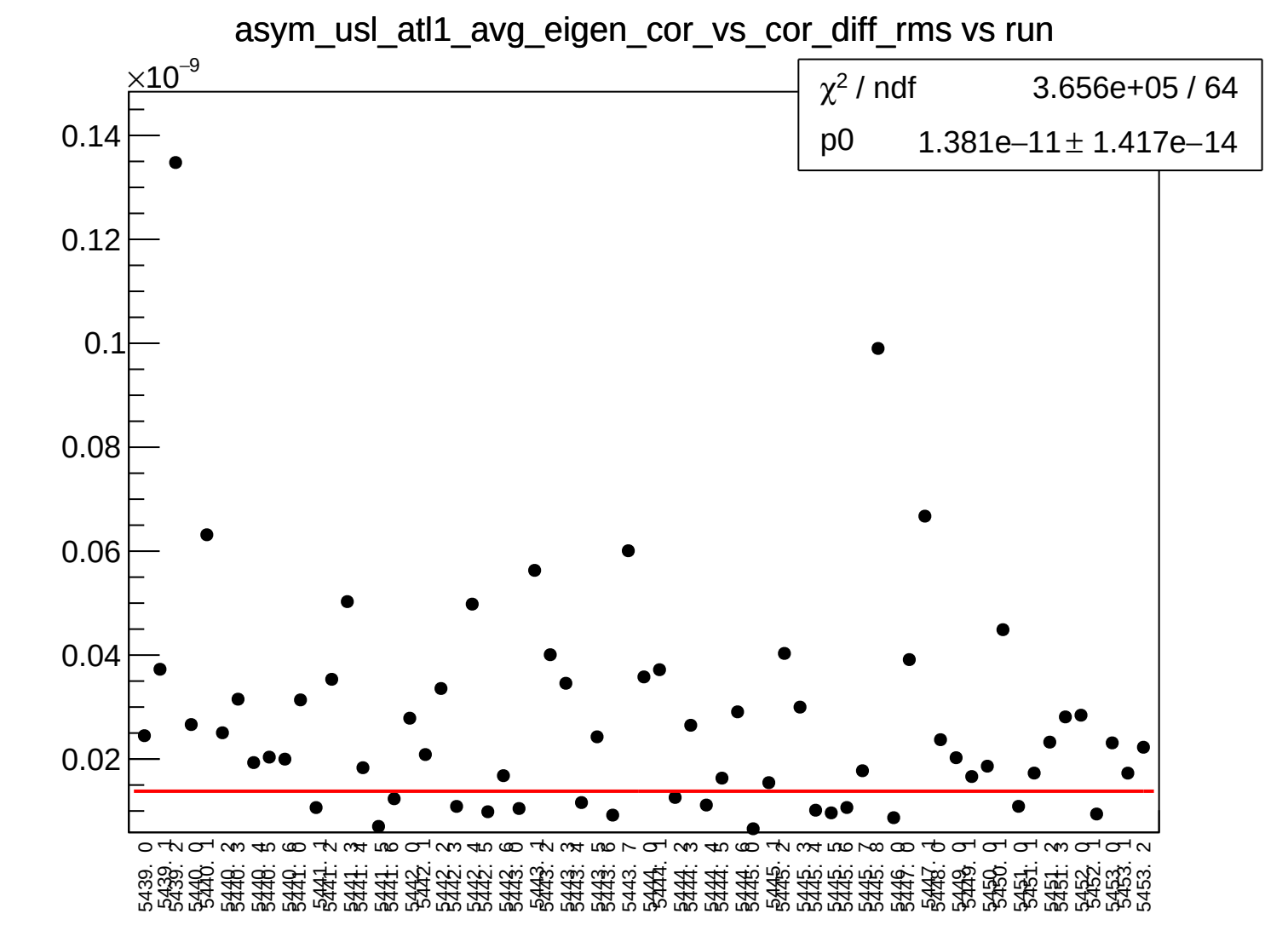

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.278e+05 / 64
p0 37.24 ± 0.0357
1600
1400
1200
1000
800
600
400
200

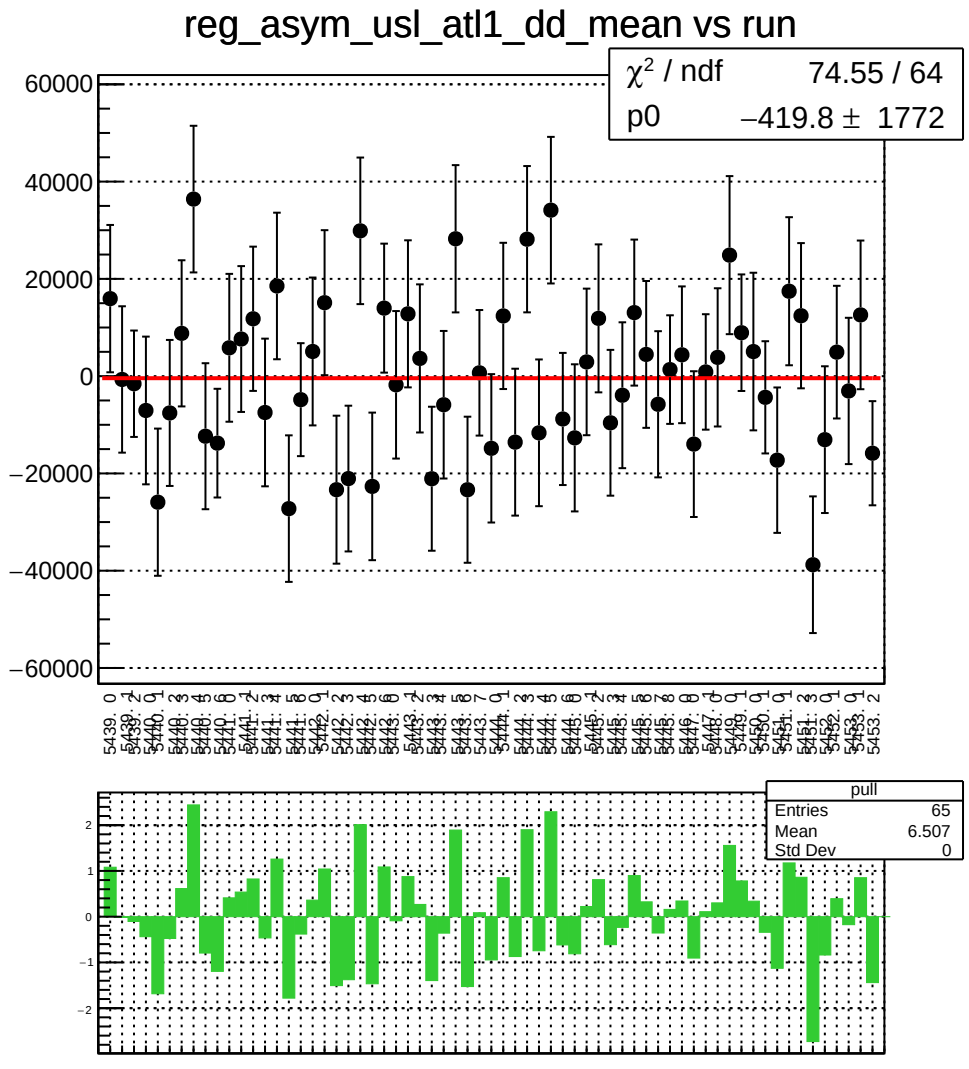

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.03 / 64
p0 −0.0393 ± 0.05049
pull
Entries 65
Mean 23.06
Std Dev 3.732
pull1D
Entries 65
Mean −0.1146
Std Dev 1.138

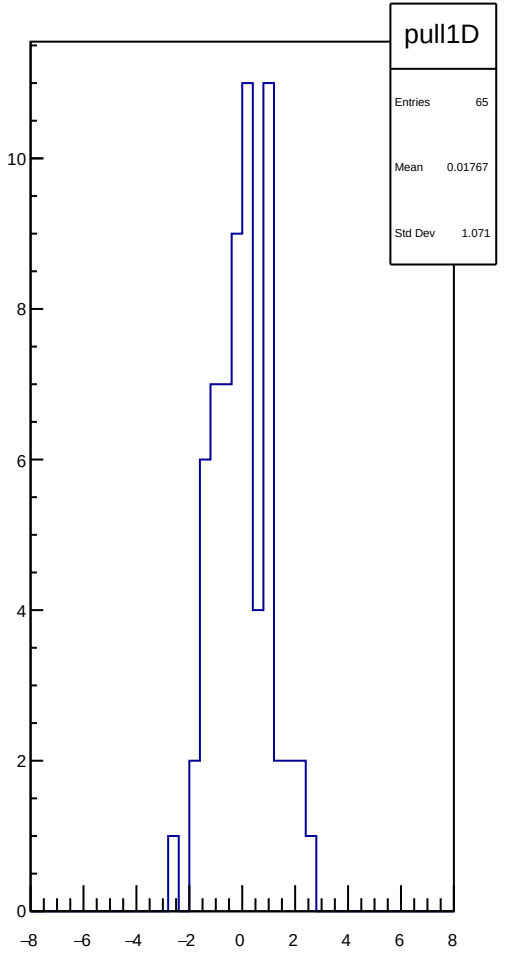

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.278e+05 / 64
p0 37.24 ± 0.0357
1600
1400
1200
1000
800
600
400
200

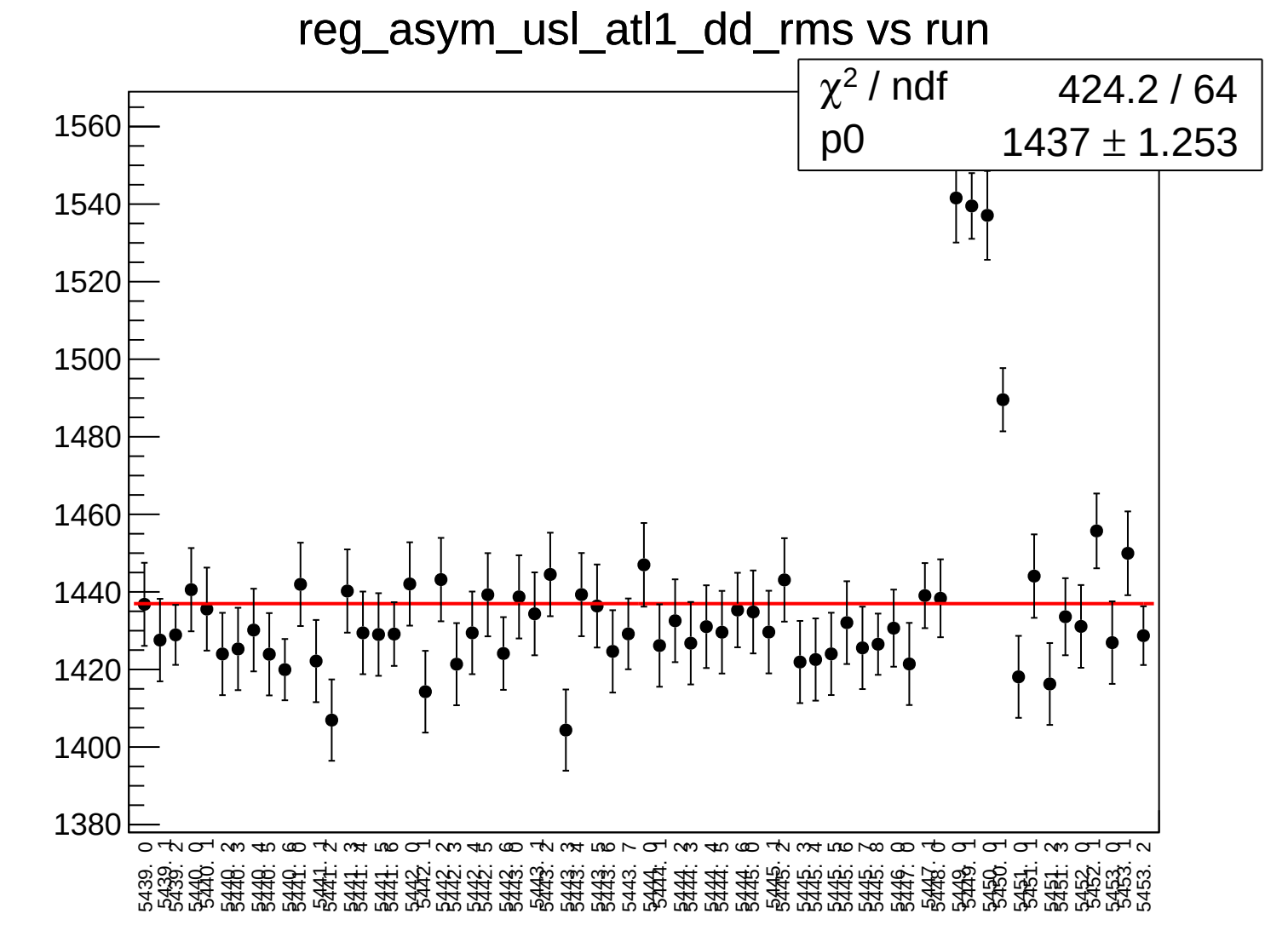

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.22 / 64
p0 −4.632e−15 ± 2.004e−14
pull
Entries 65
Mean 19.1
Std Dev 0

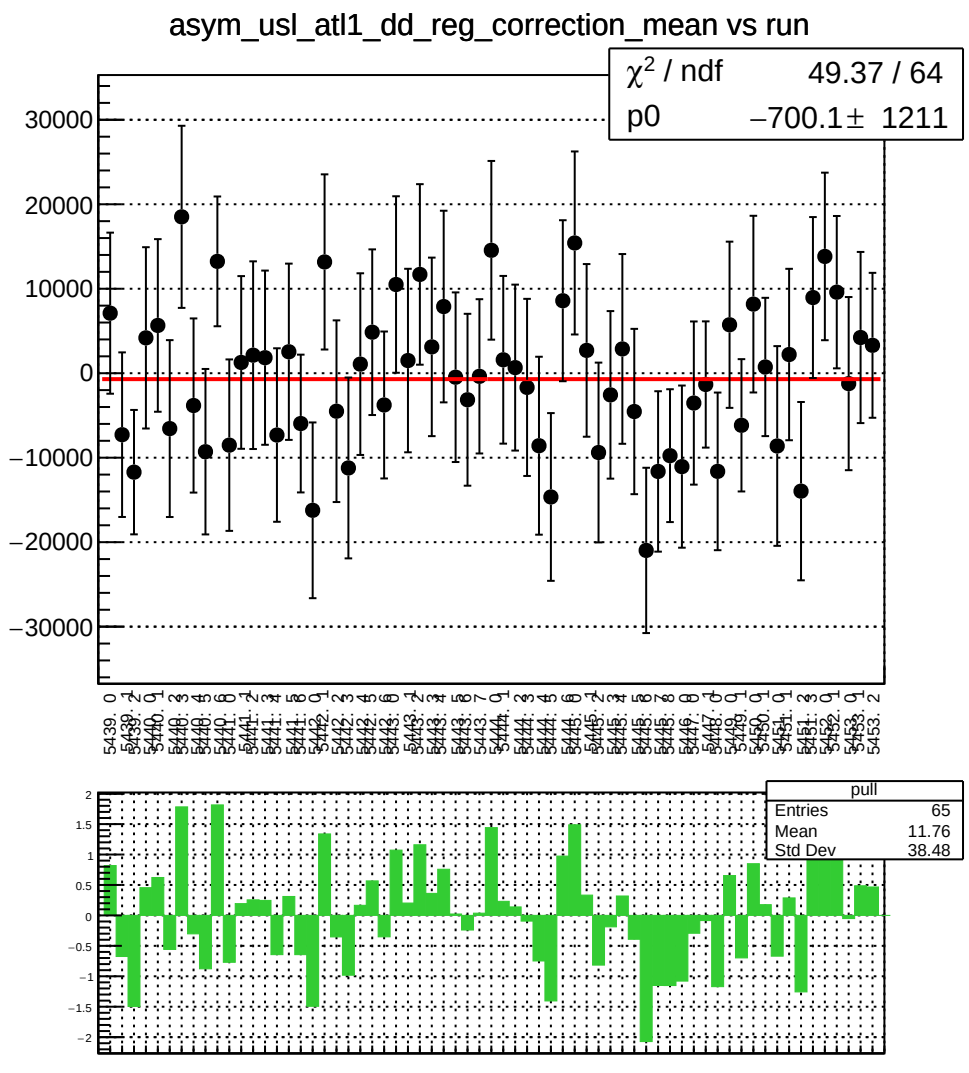

pull1D
Entries 65
Mean −0.05222
Std Dev 1.164

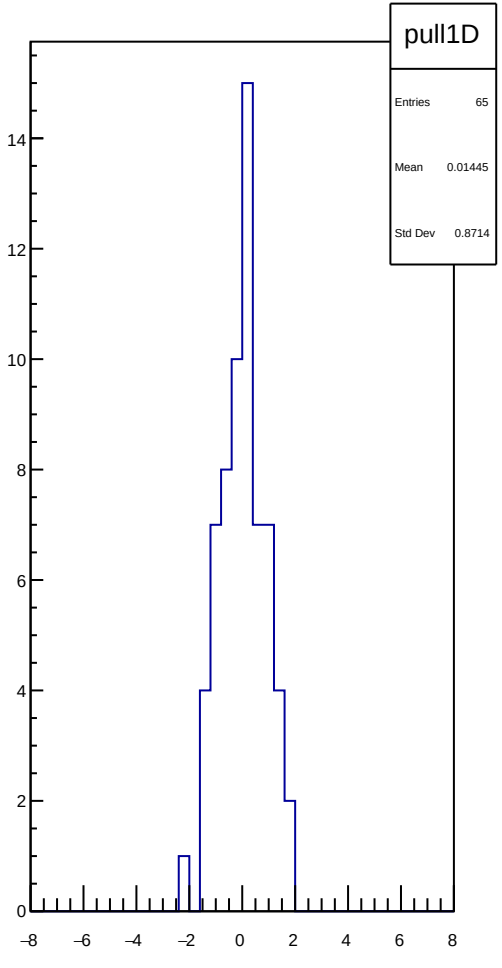

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.656e+05 / 64
p0 1.381e−11 ± 1.417e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

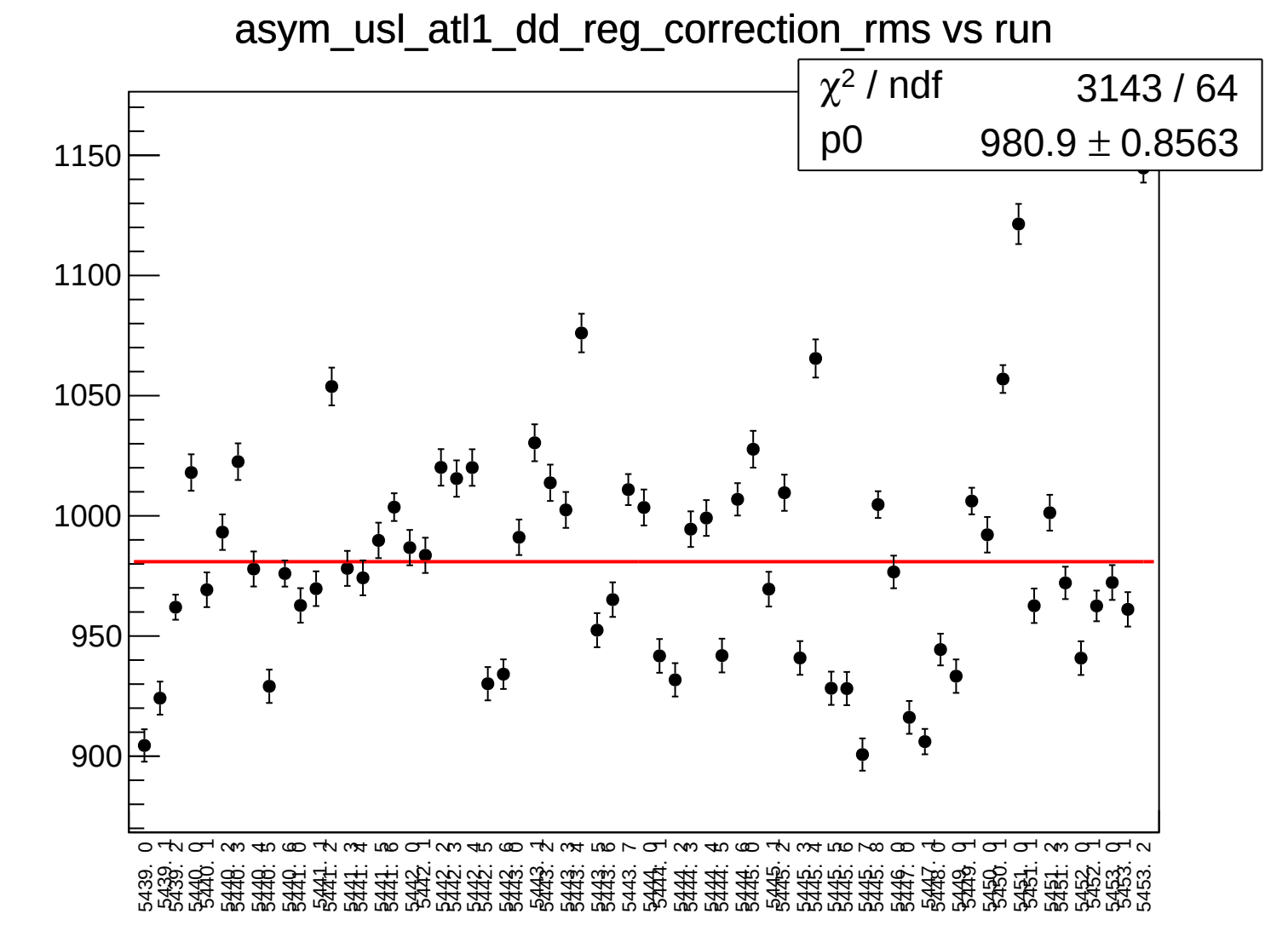

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 74.55 / 64
p0 −419.8 ± 1772
pull
Entries 65
Mean 6.507
Std Dev 0

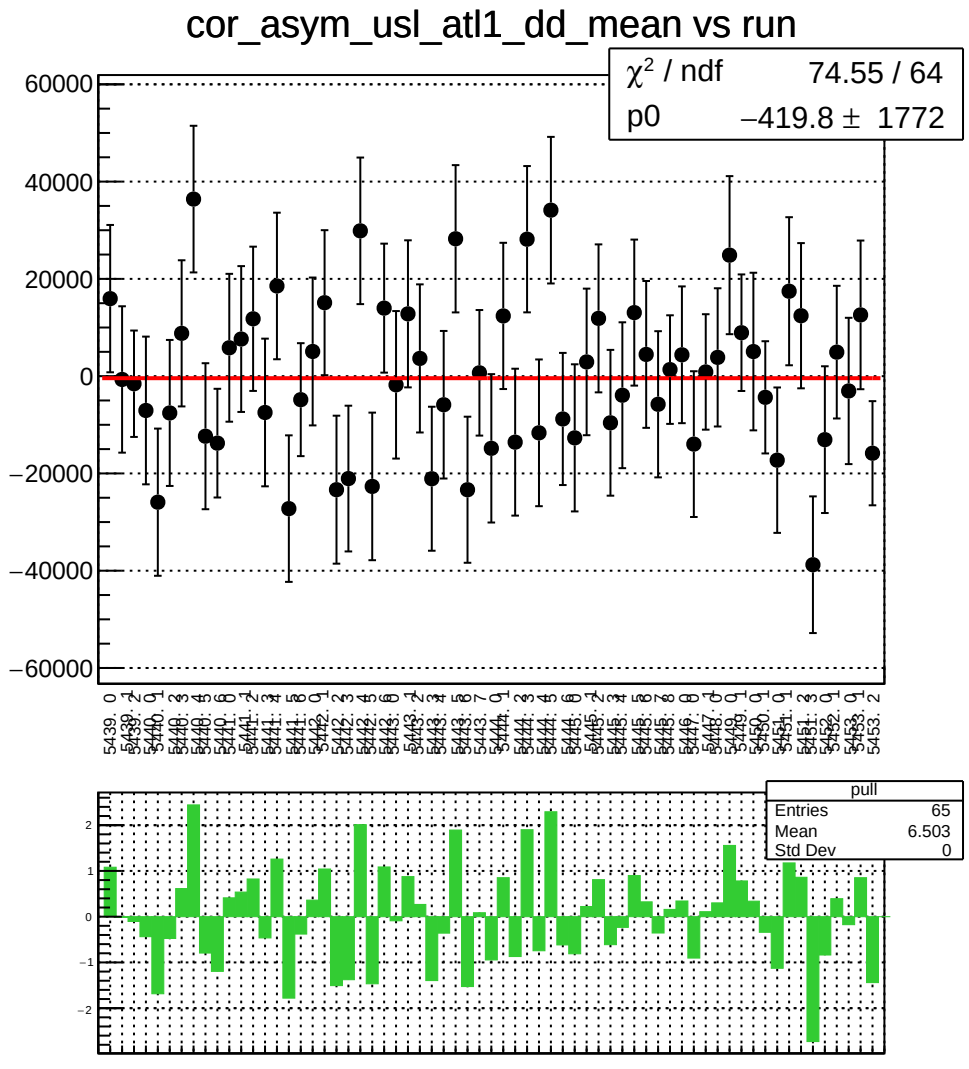

pull1D
Entries 65
Mean 0.01767
Std Dev 1.071

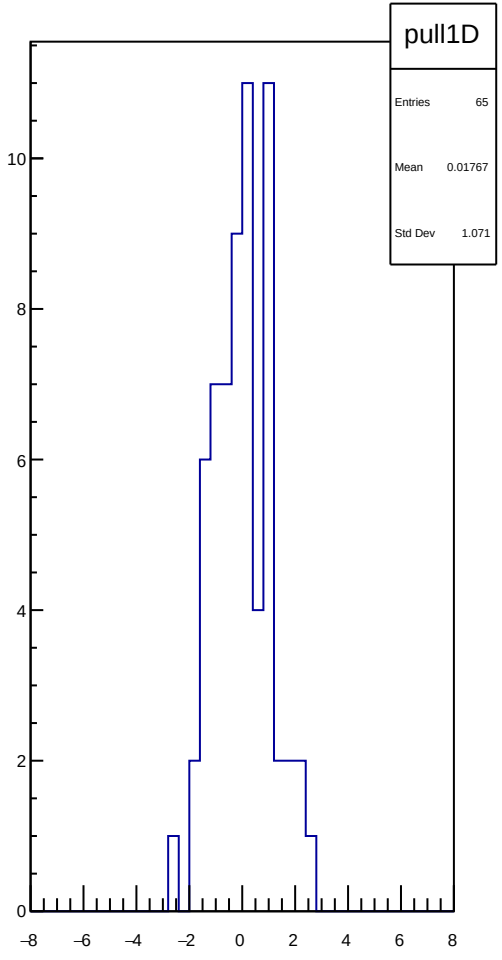

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 424.2 / 64
p0 1437 ± 1.253
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

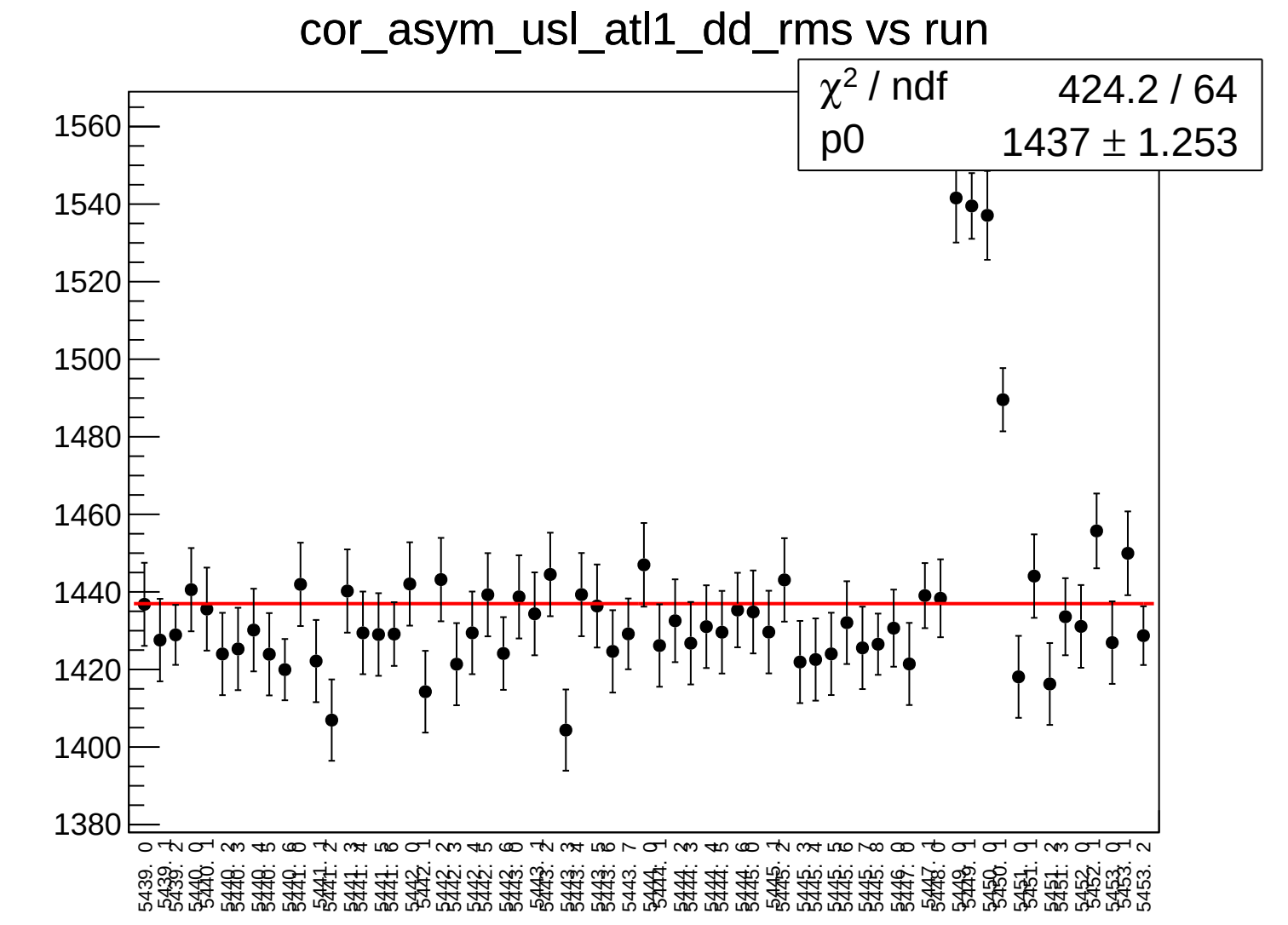

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 49.37 / 64
p0 −700.1± 1211
pull
Entries 65
Mean 11.76
Std Dev 38.48

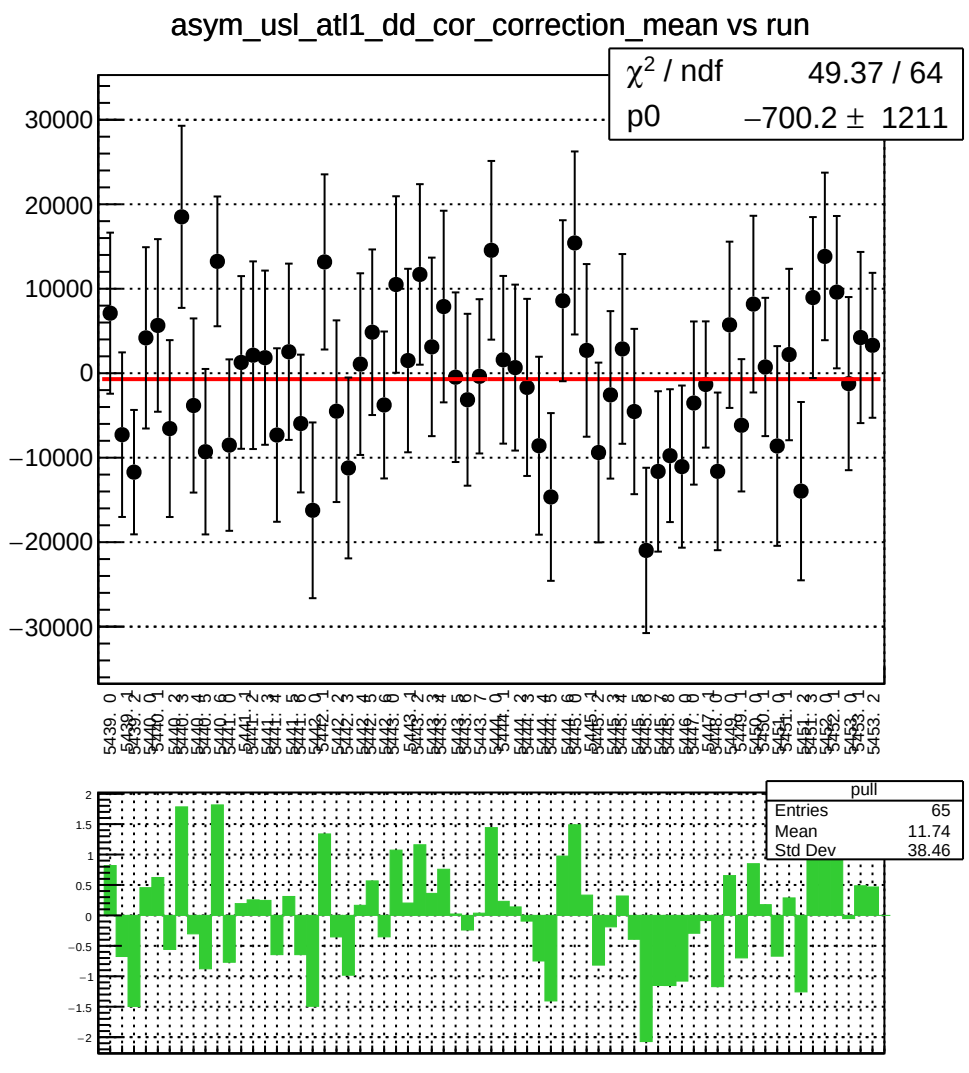

pull1D
Entries 65
Mean 0.01445
Std Dev 0.8714

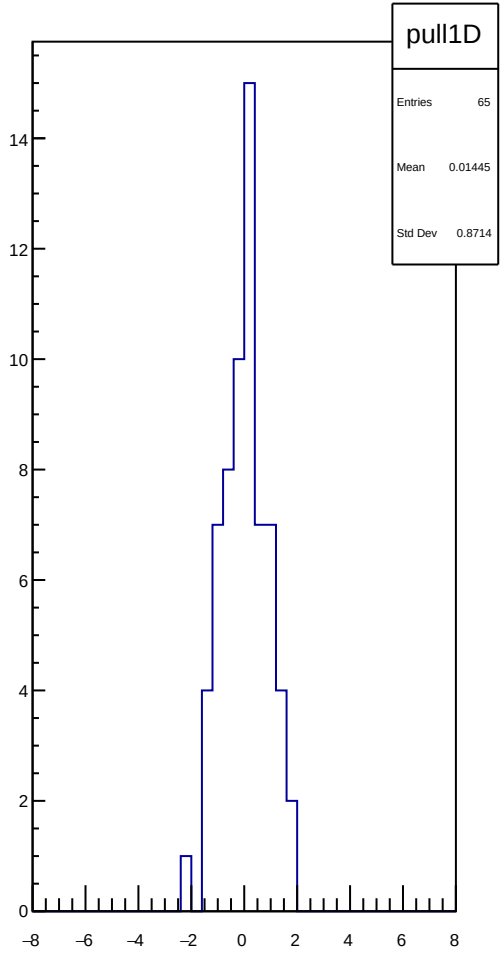

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 3143 / 64
p0 980.9 ± 0.8563
1150
1100
1050
1000
950
900

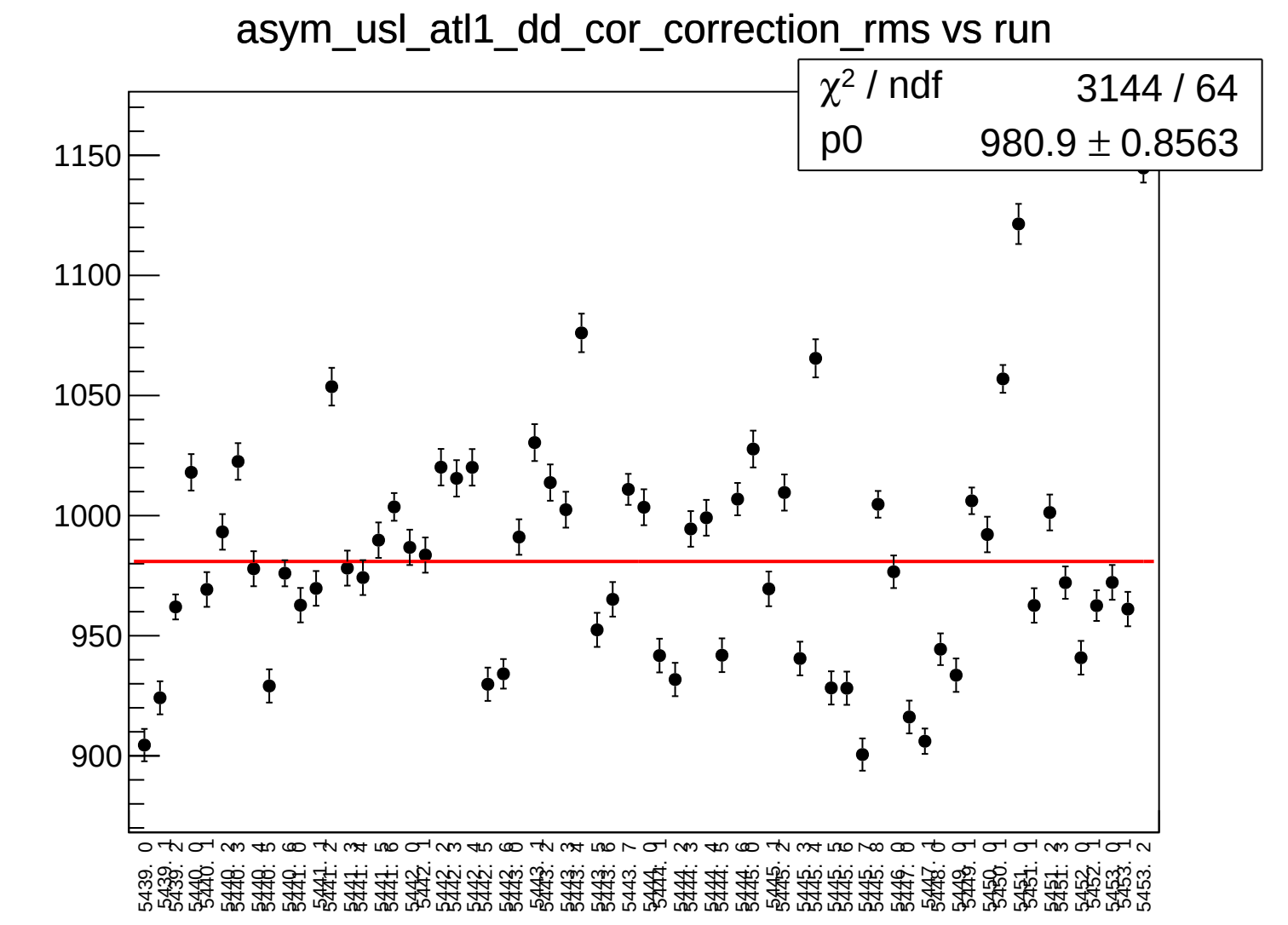

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 74.55 / 64
p0 −419.8 ± 1772
pull
Entries 65
Mean 6.503
Std Dev 0

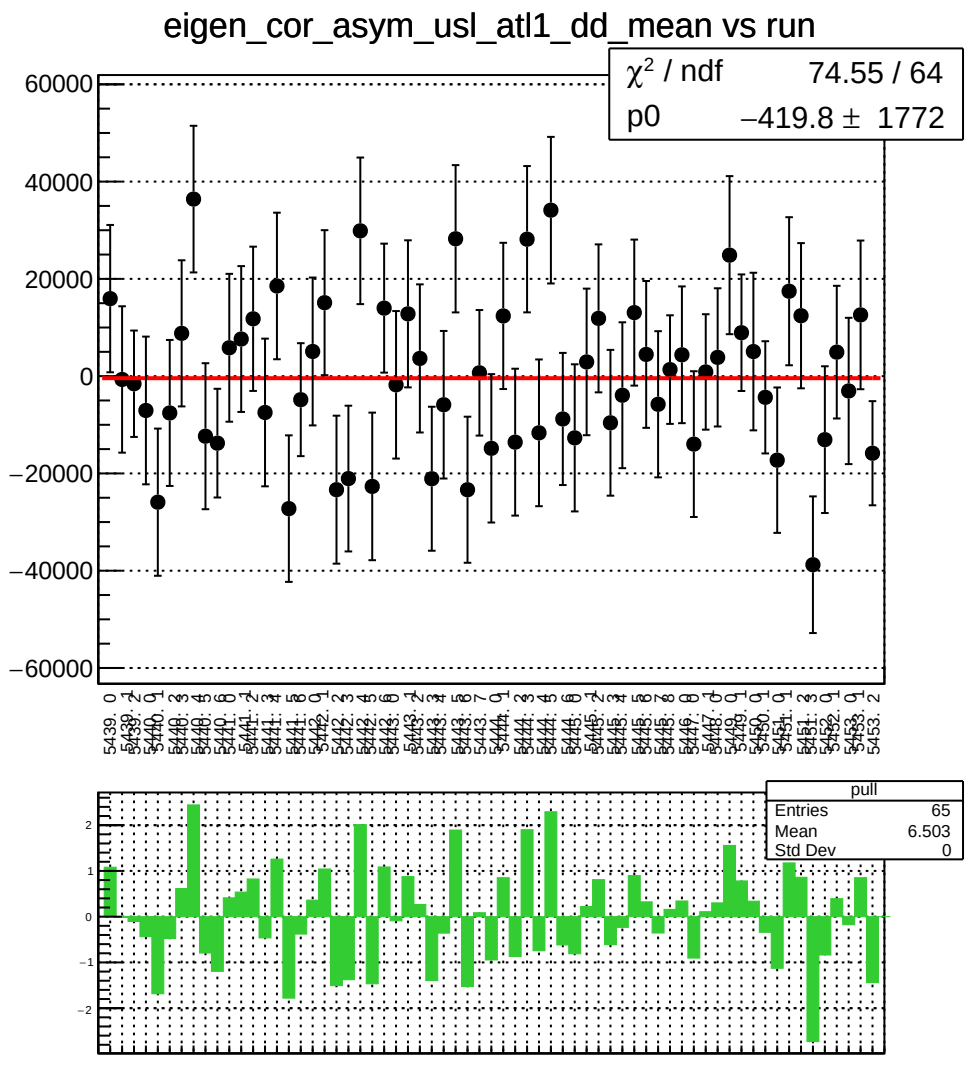

pull1D
Entries 65
Mean 0.01767
Std Dev 1.071

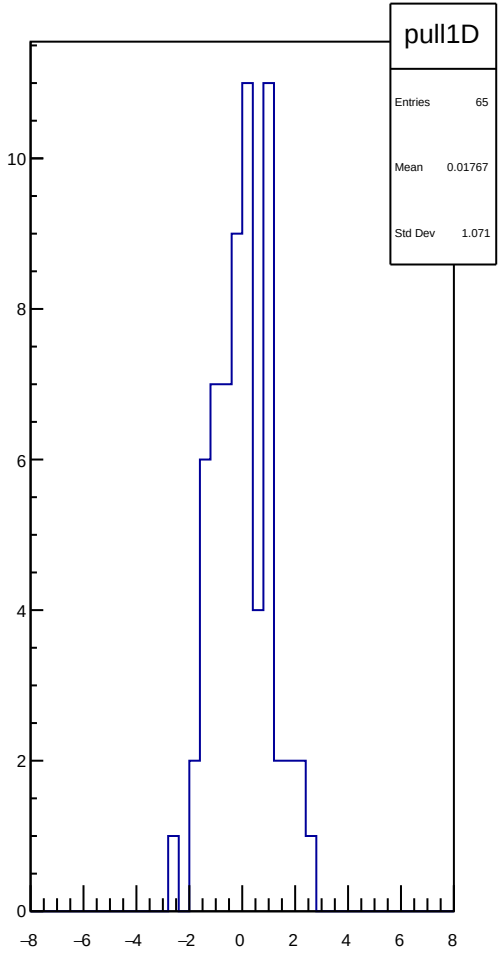

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 424.2 / 64
p0 1437 ± 1.253
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

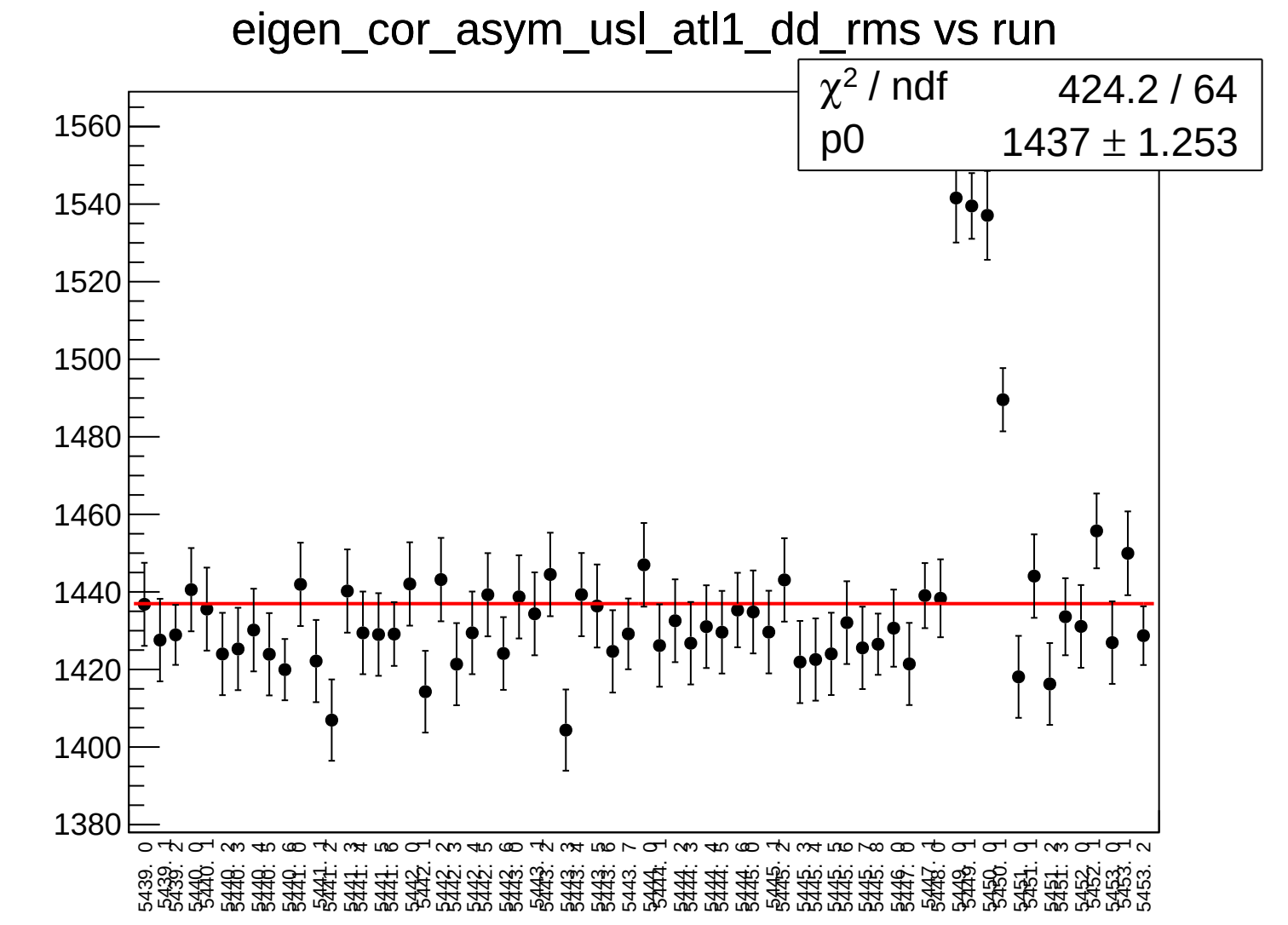

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 49.37 / 64
p0 −700.2 ± 1211
pull
Entries 65
Mean 11.74
Std Dev 38.46

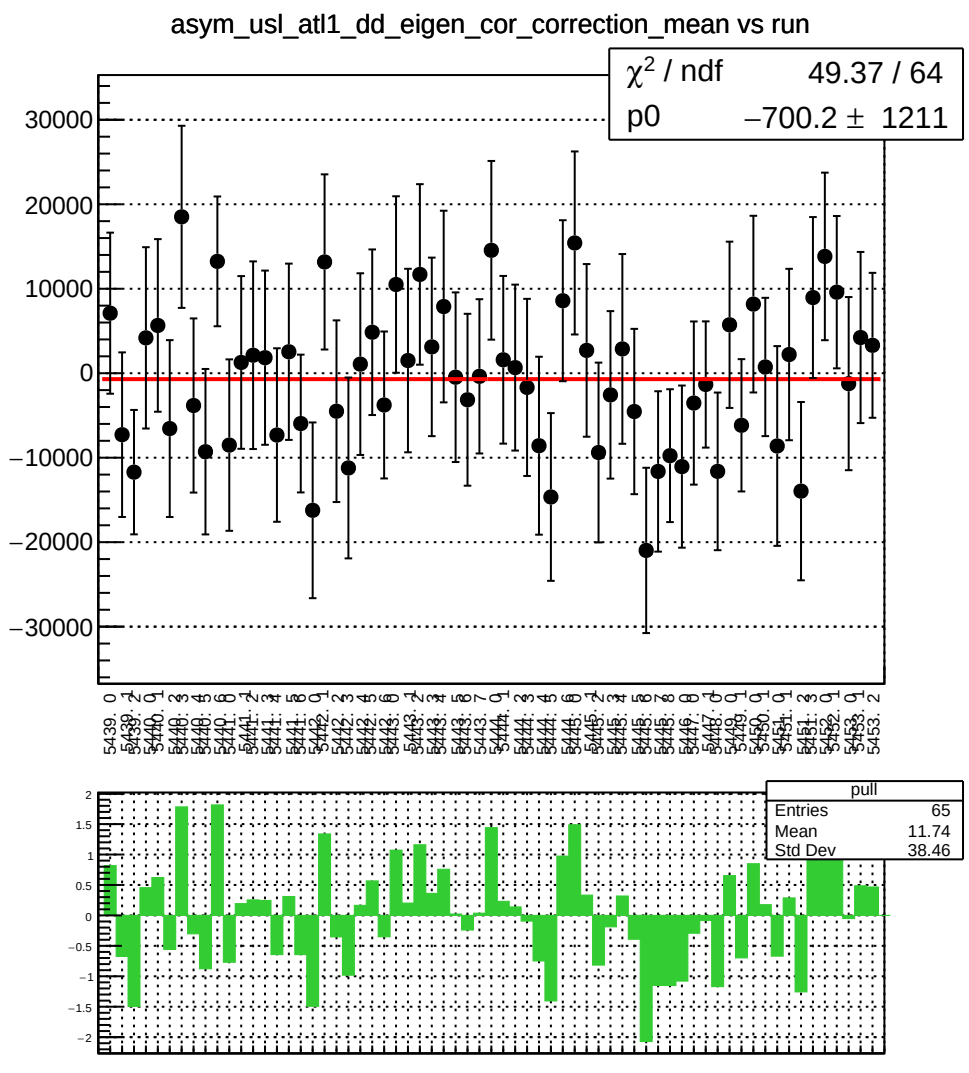

pull1D
Entries 65
Mean 0.01445
Std Dev 0.8714

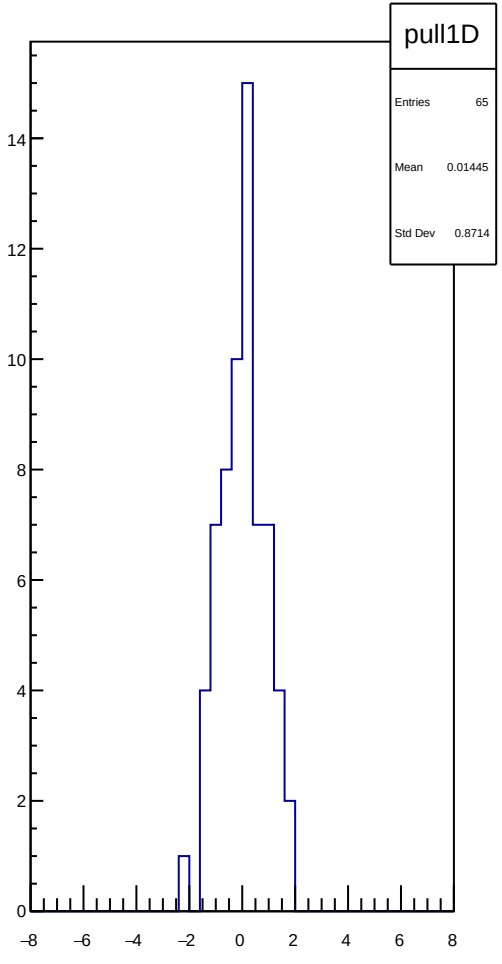

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 3144 / 64
p0 980.9 ± 0.8563
1150
1100
1050
1000
950
900

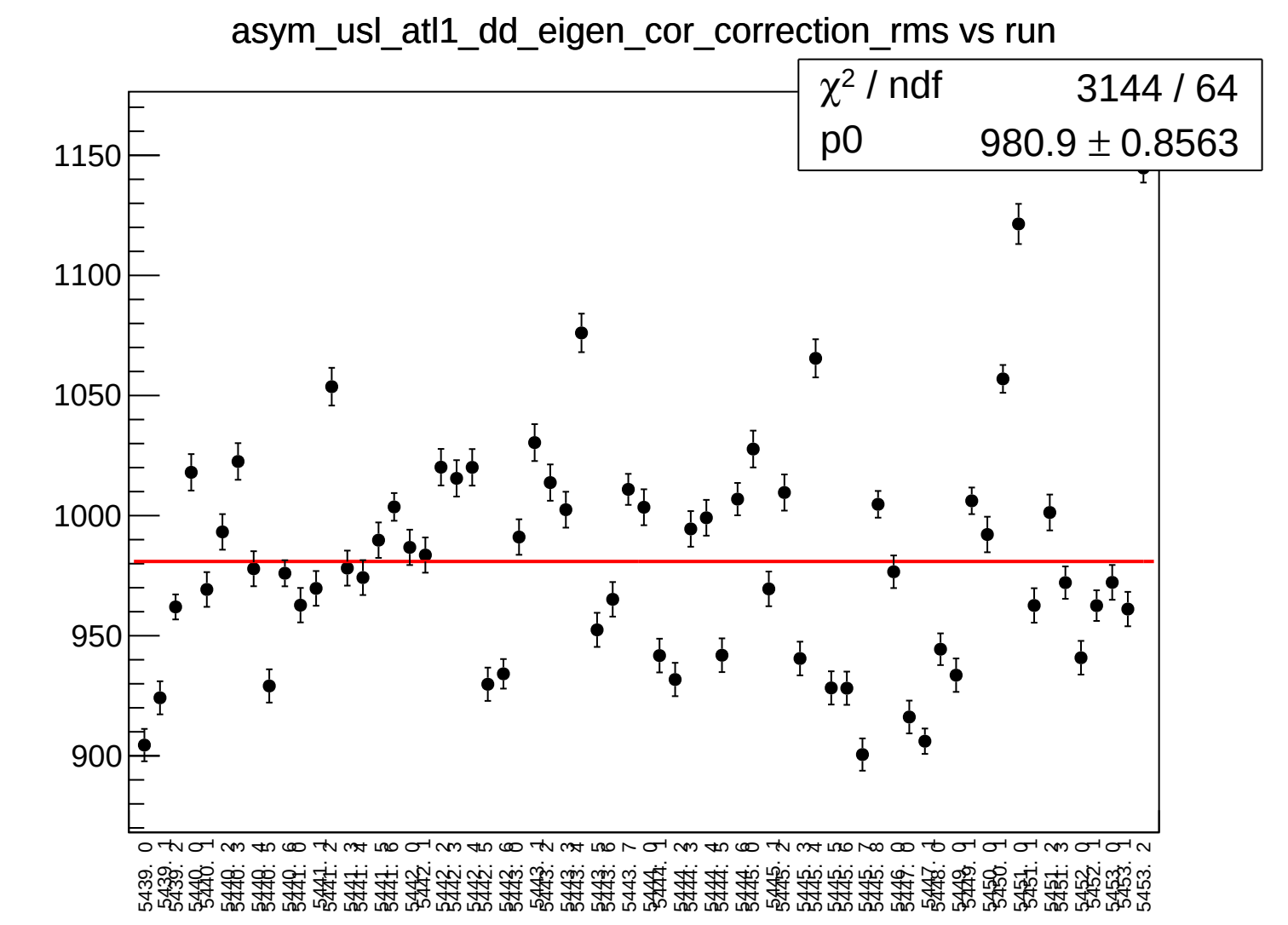

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 74.55 / 64
p0 −419.8 ± 1772
pull
Entries 65
Mean 6.503
Std Dev 0

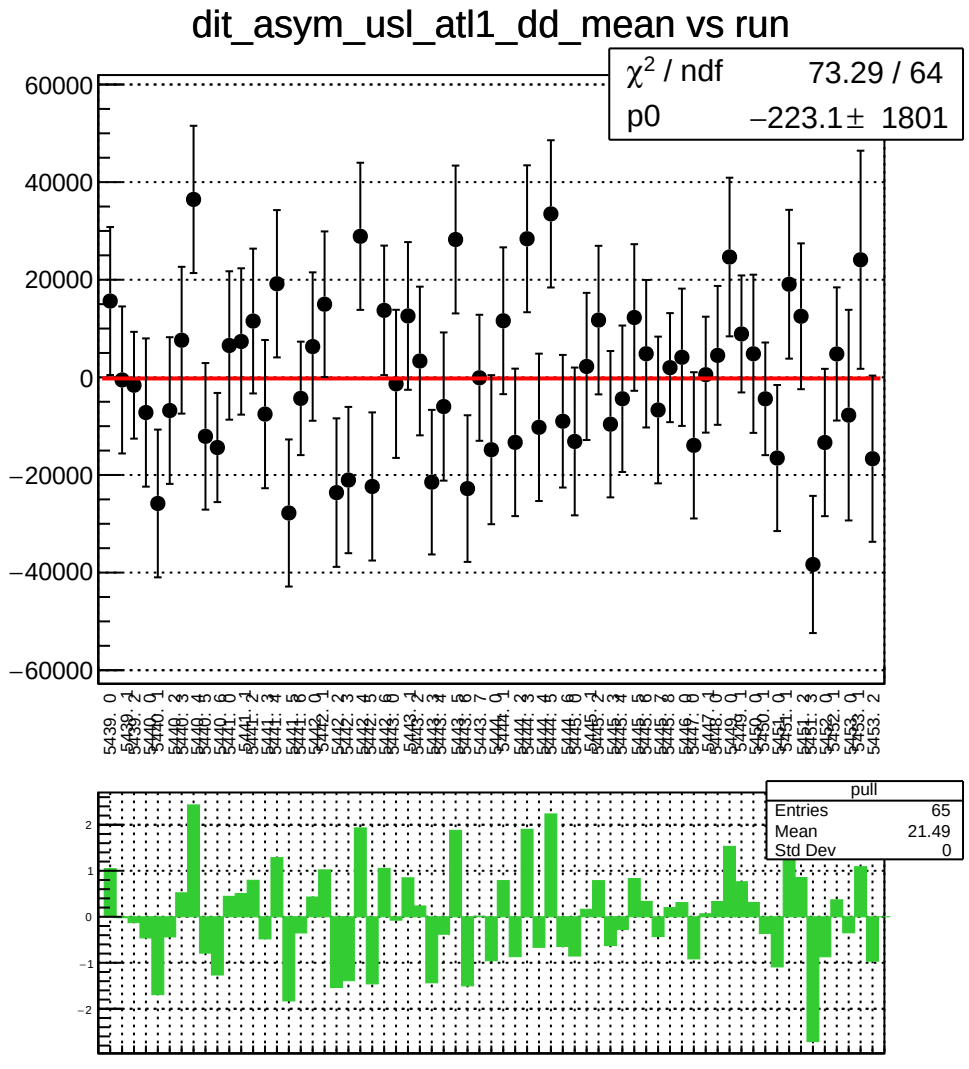

pull1D
Entries 65
Mean 0.01767
Std Dev 1.071

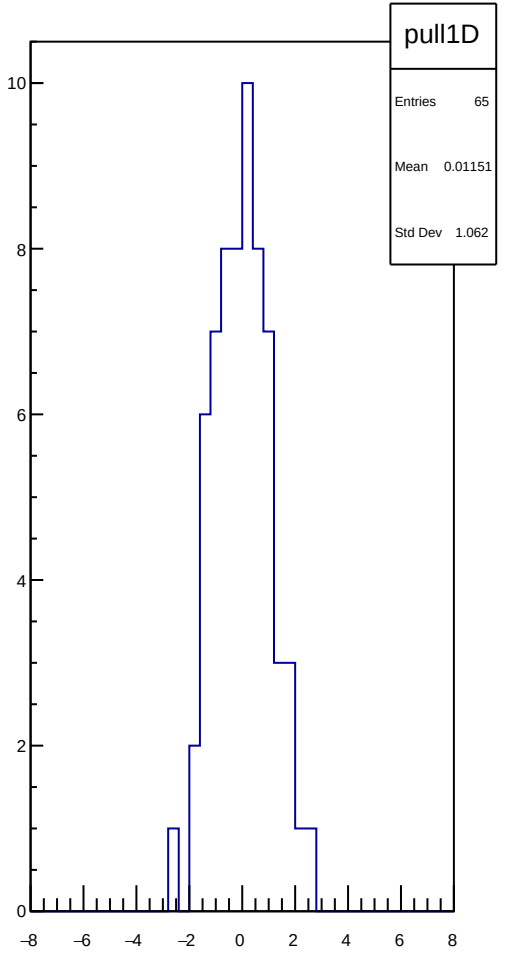

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 424.2 / 64
p0 1437 ± 1.253
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

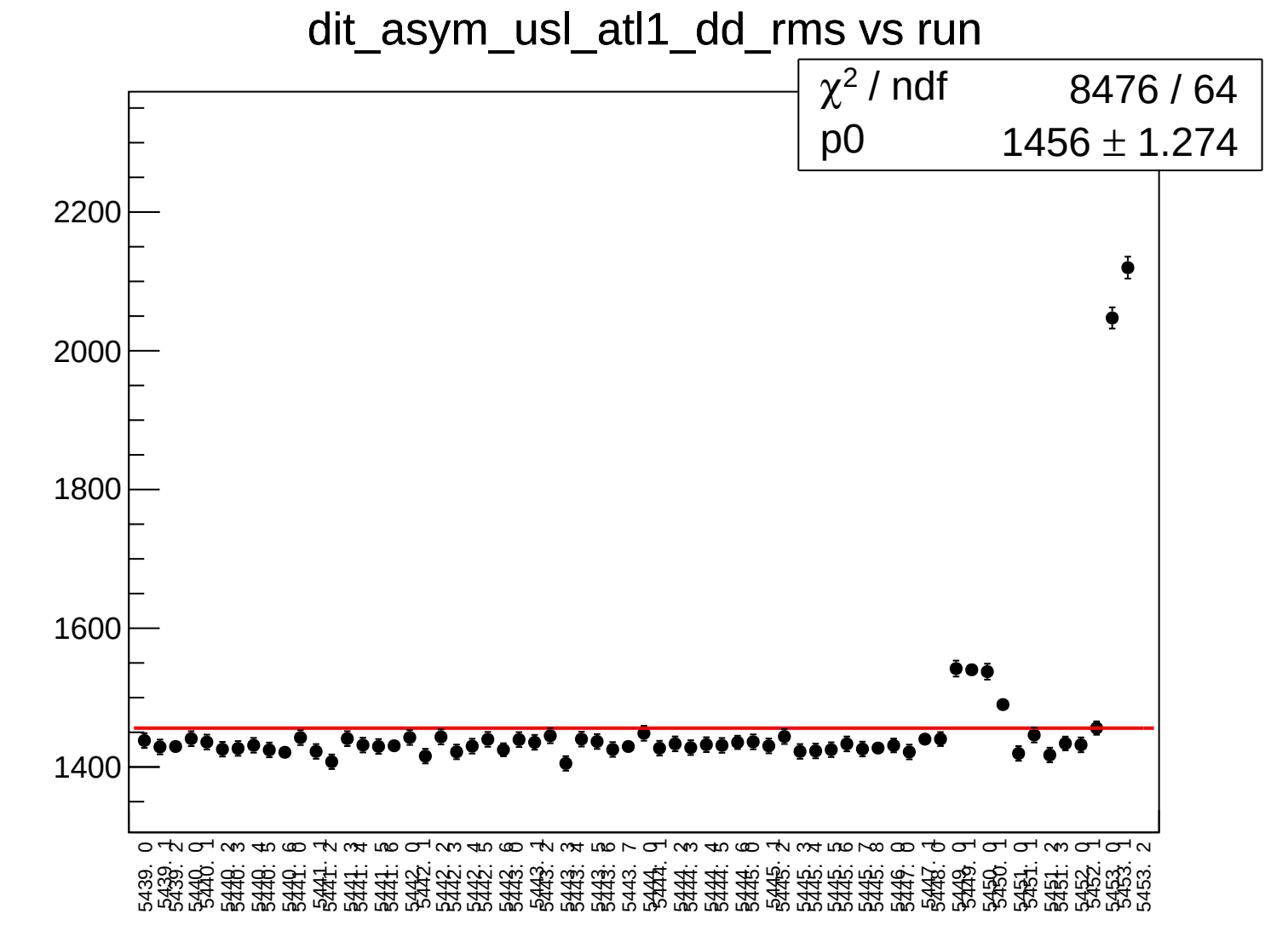

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.37 / 64
p0 −700.2 ± 1211
pull
Entries 65
Mean 11.74
Std Dev 38.46

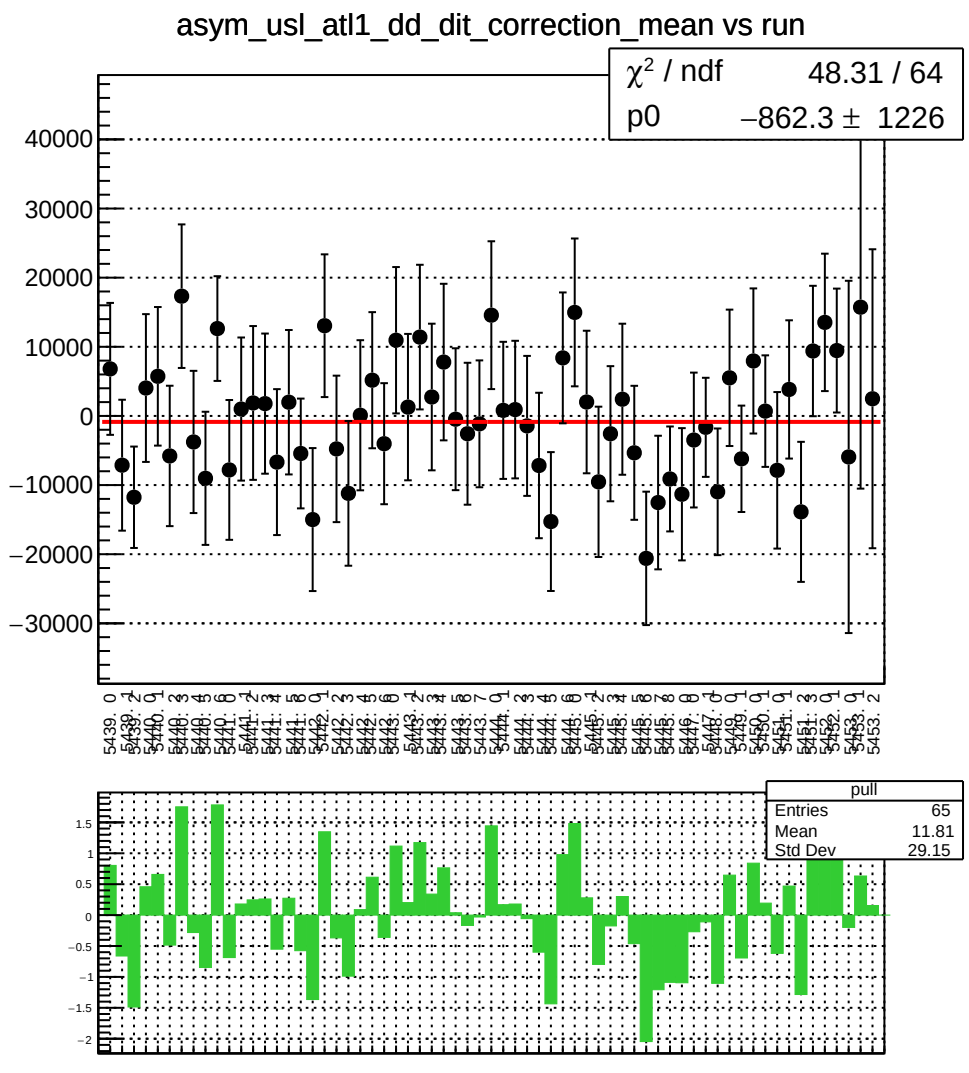

pull1D
Entries 65
Mean 0.01445
Std Dev 0.8714

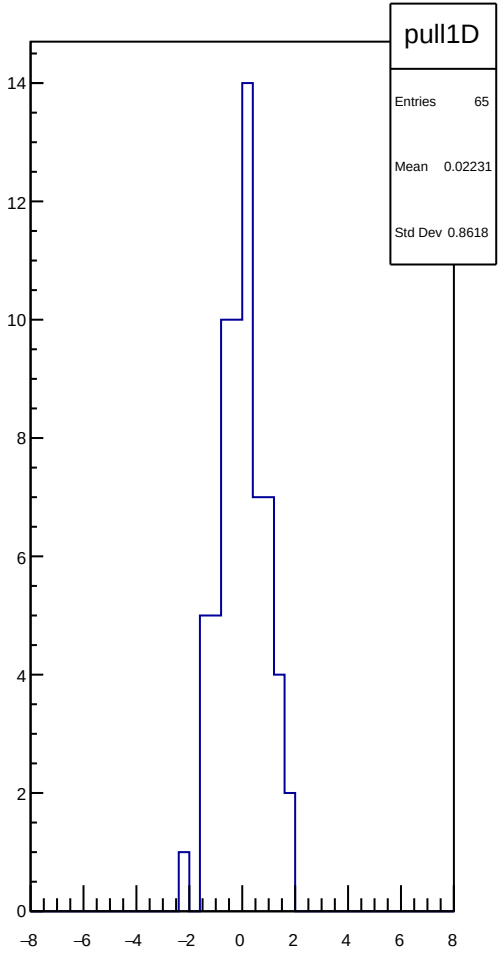

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 3144 / 64
p0 980.9 ± 0.8563
1150
1100
1050
1000
950
900

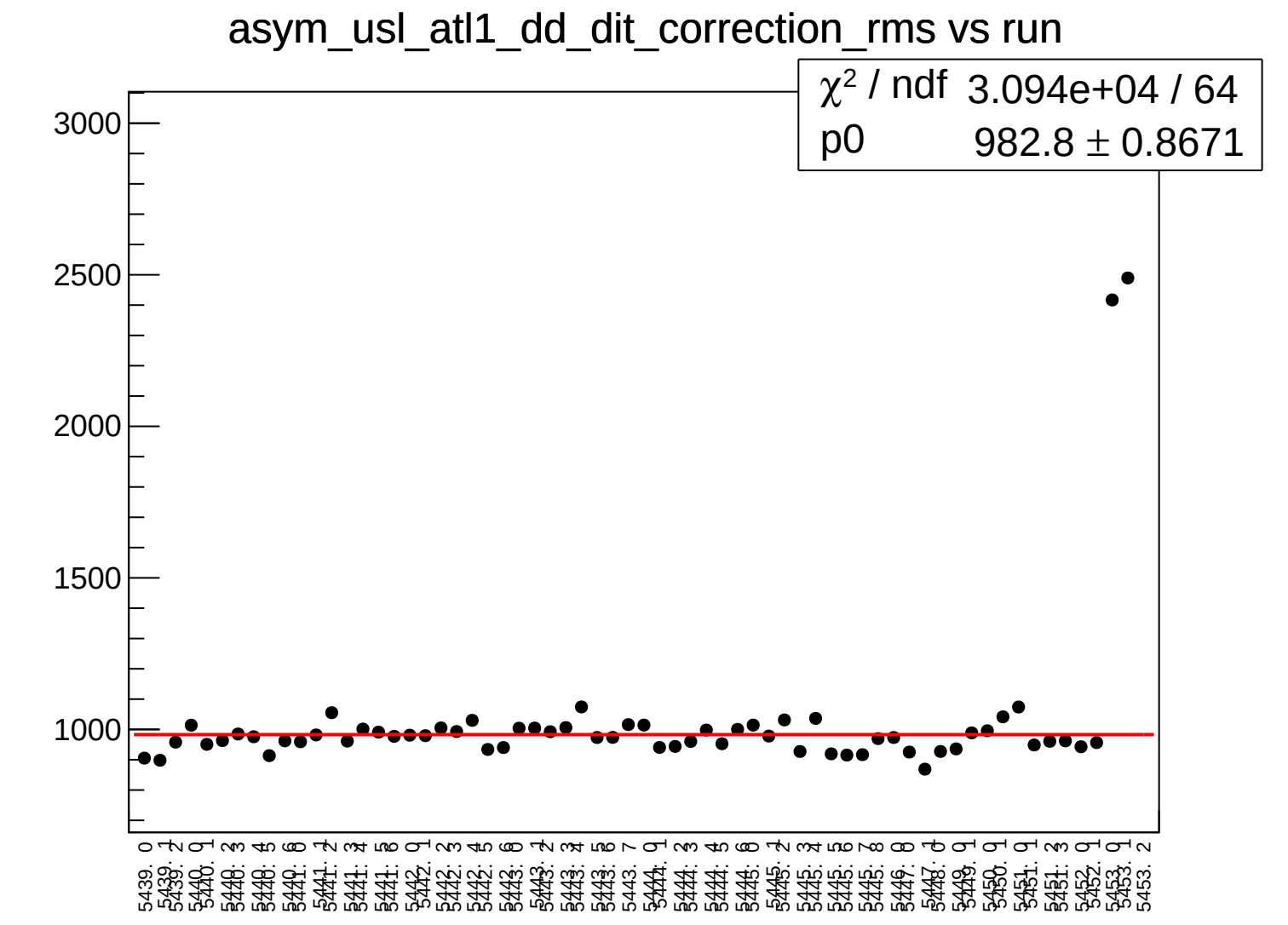

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 73.29 / 64
p0 −223.1± 1801
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 21.49
Std Dev 0
2
1
0
−1
−2

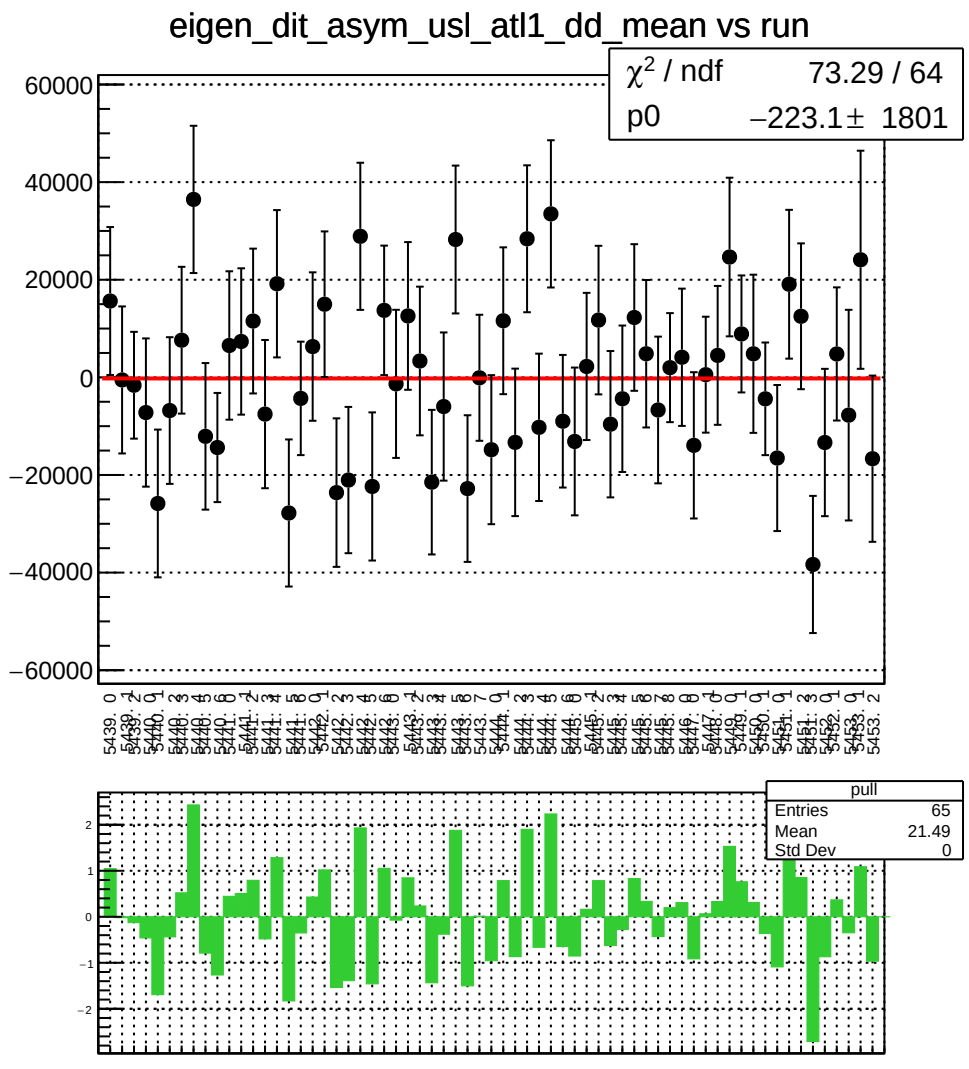

pull1D
Entries 65
Mean 0.01151
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

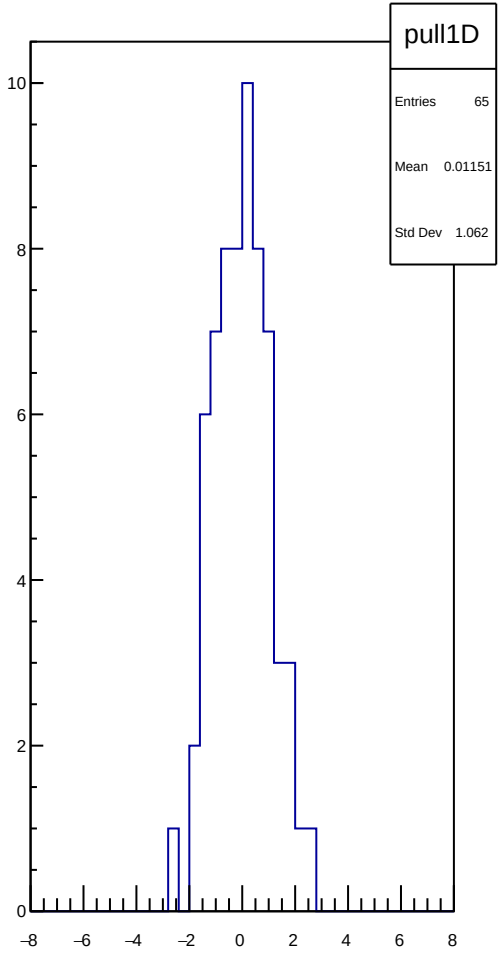

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 8476 / 64
p0 1456 ± 1.274
2200
2000
1800
1600
1400

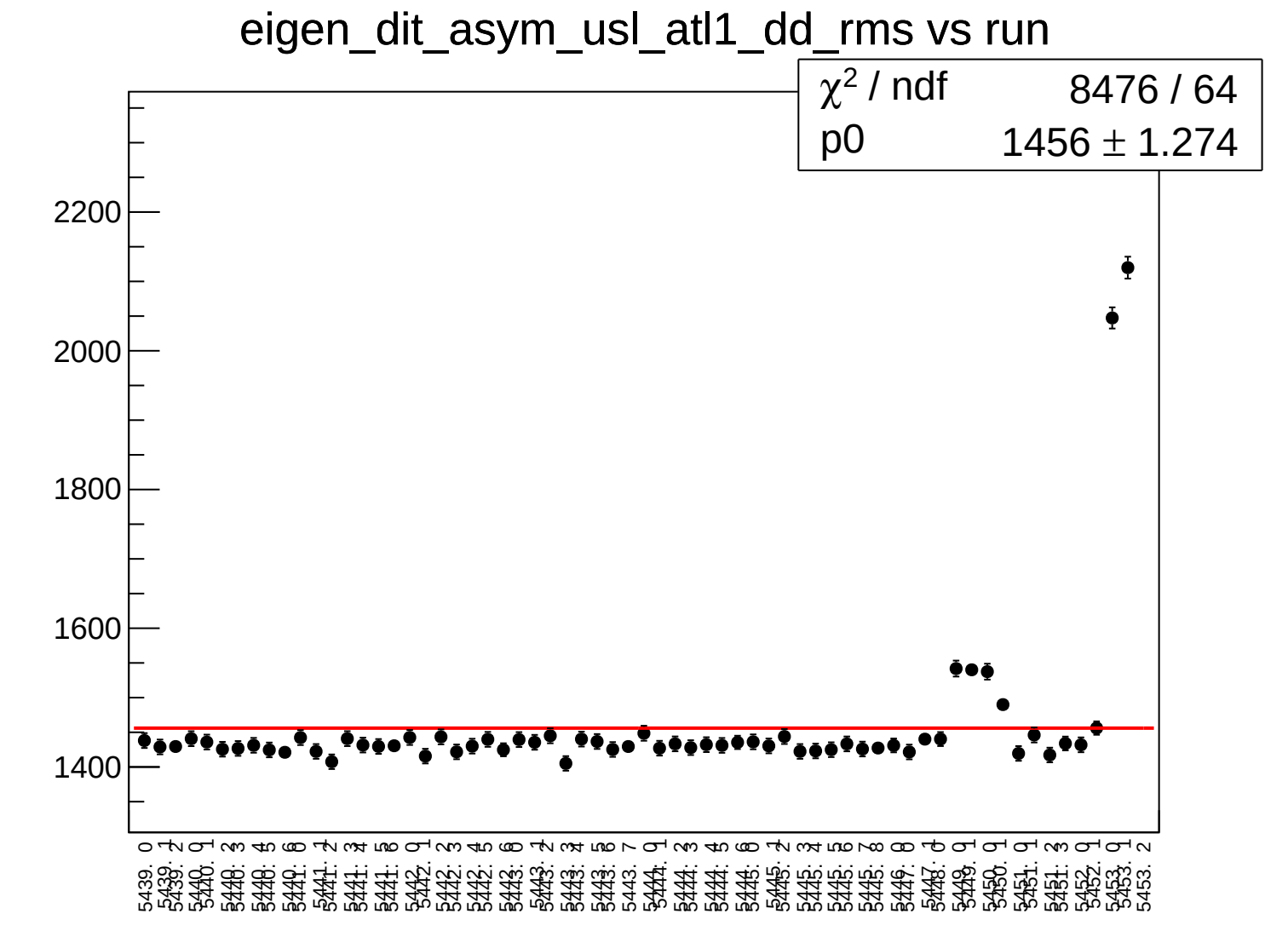

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 48.31 / 64
p0 −862.3 ± 1226
pull
Entries 65
Mean 11.81
Std Dev 29.15

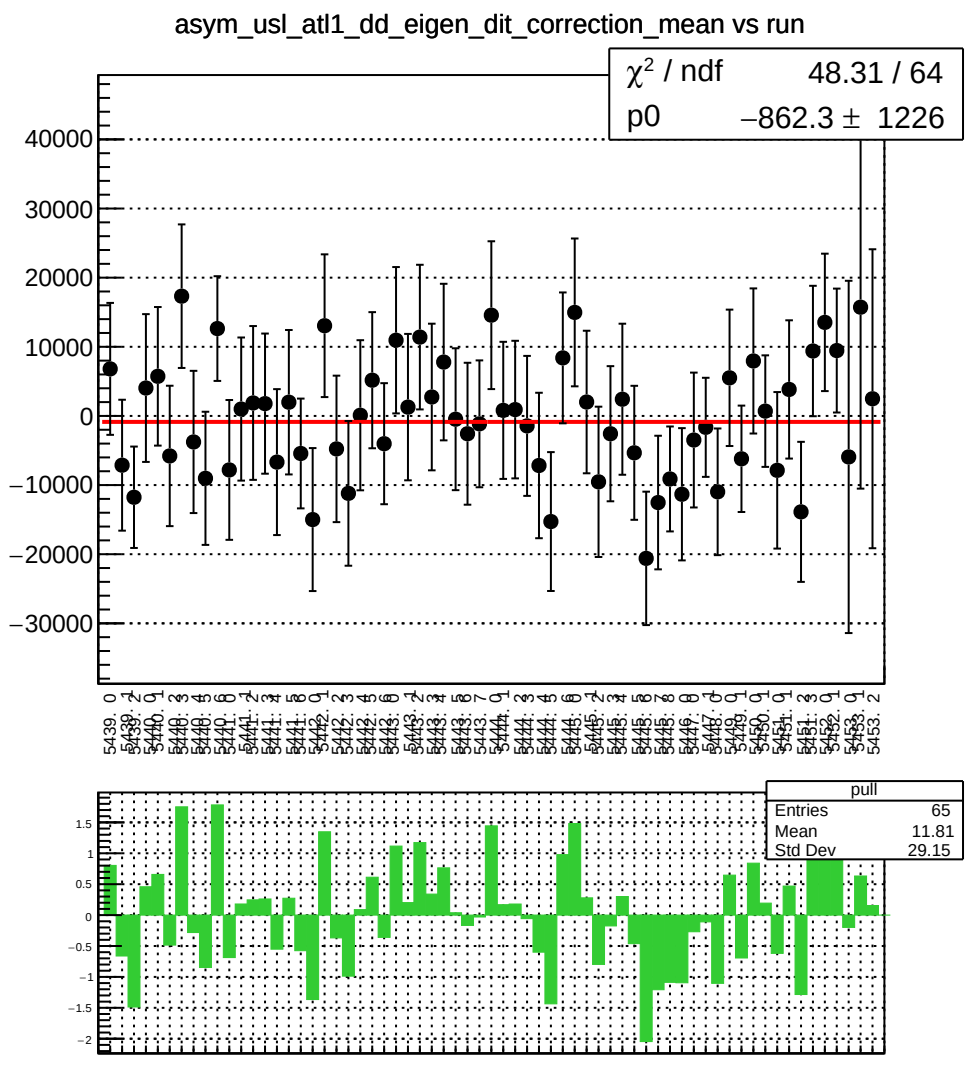

pull1D
Entries 65
Mean 0.02231
Std Dev 0.8618

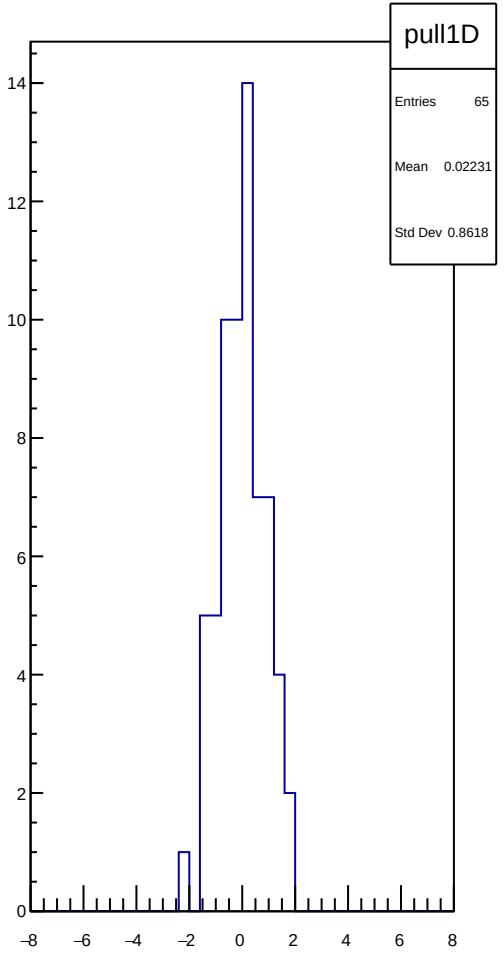

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 3.094e+04 / 64
p0 982.8 ± 0.8671
3000
2500
2000
1500
1000

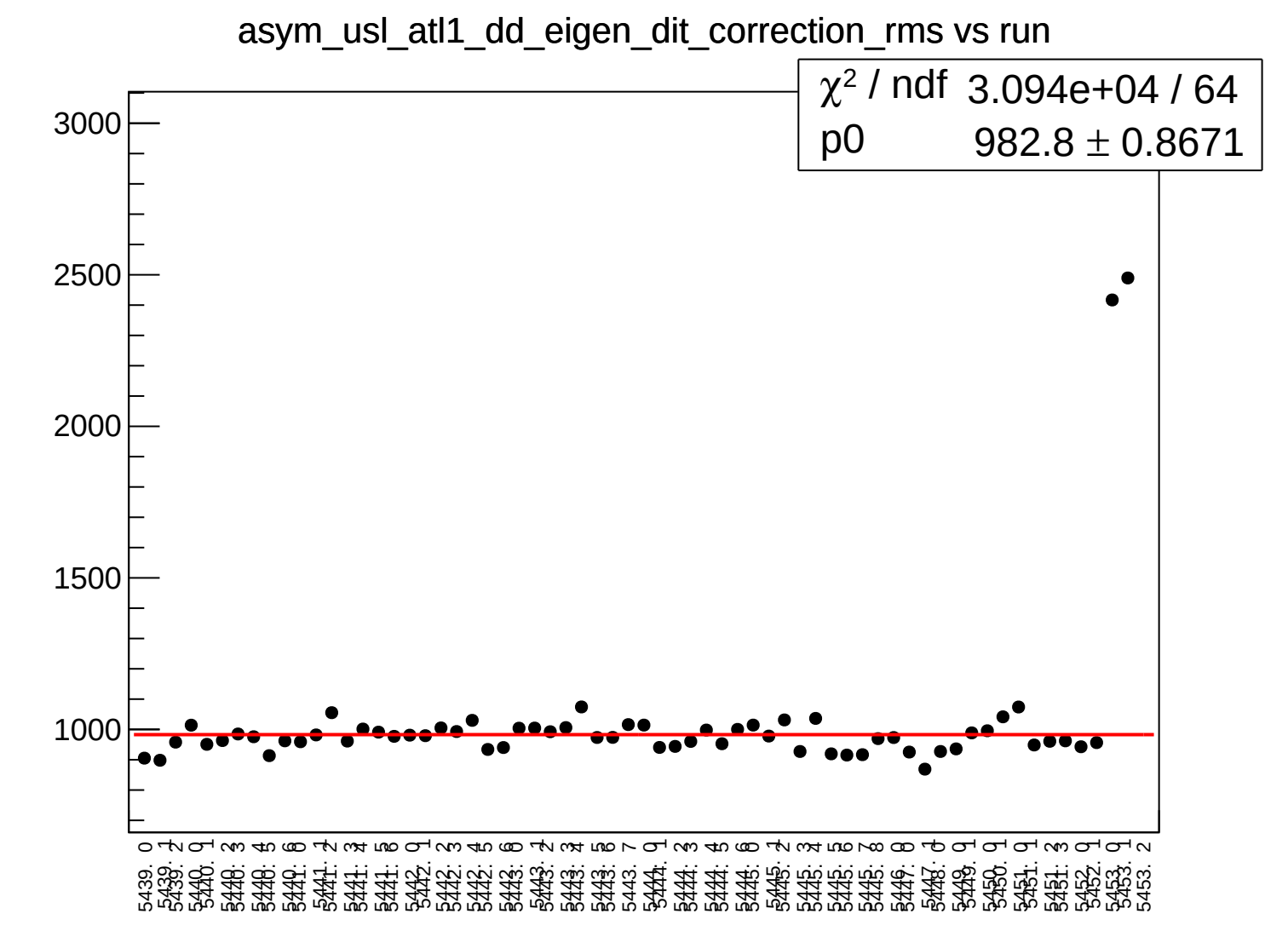

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 73.29 / 64
p0 −223.1± 1801
pull
Entries 65
Mean 21.49
Std Dev 0

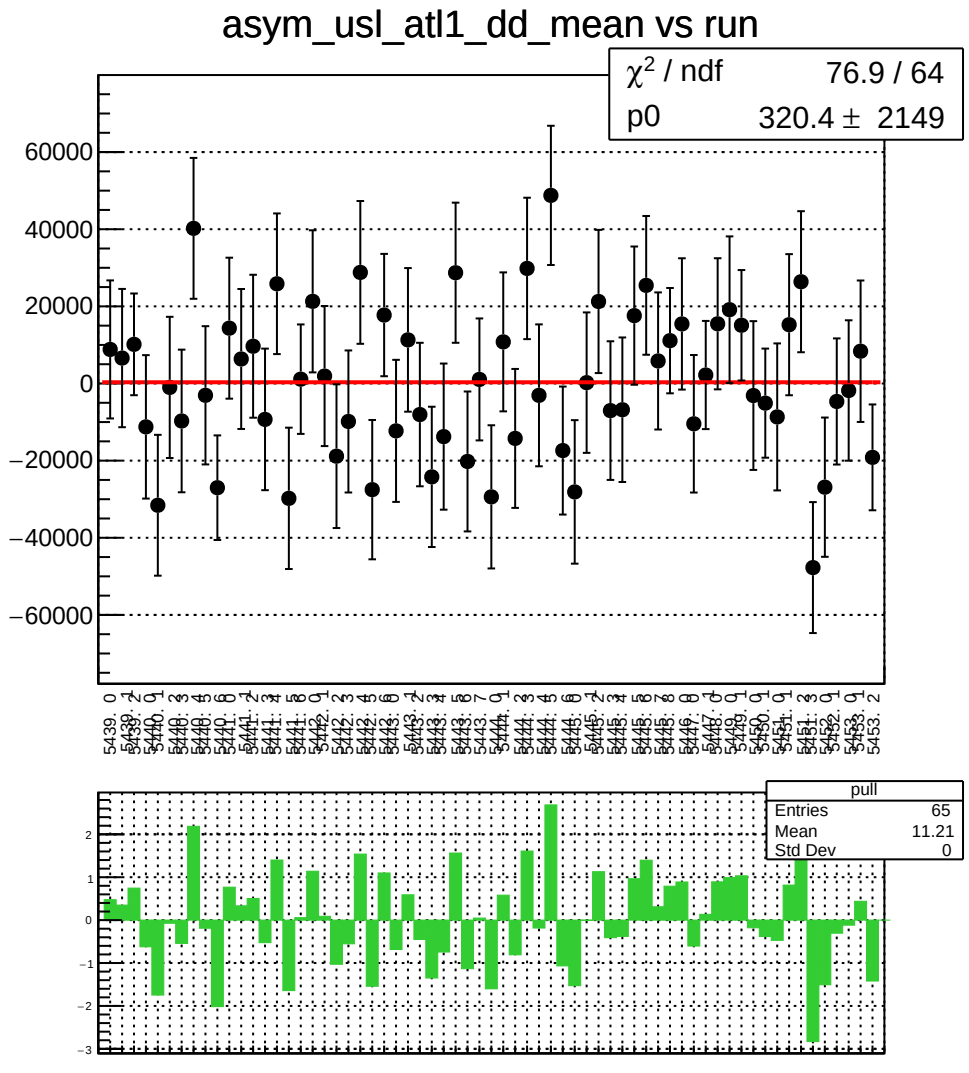

pull1D
Entries 65
Mean 0.01151
Std Dev 1.062

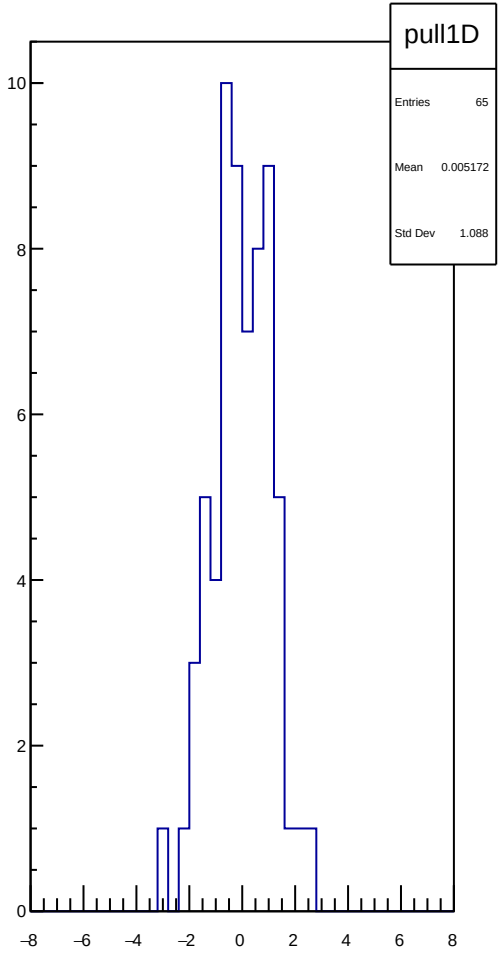

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 8476 / 64
p0 1456 ± 1.274
2200
2000
1800
1600
1400

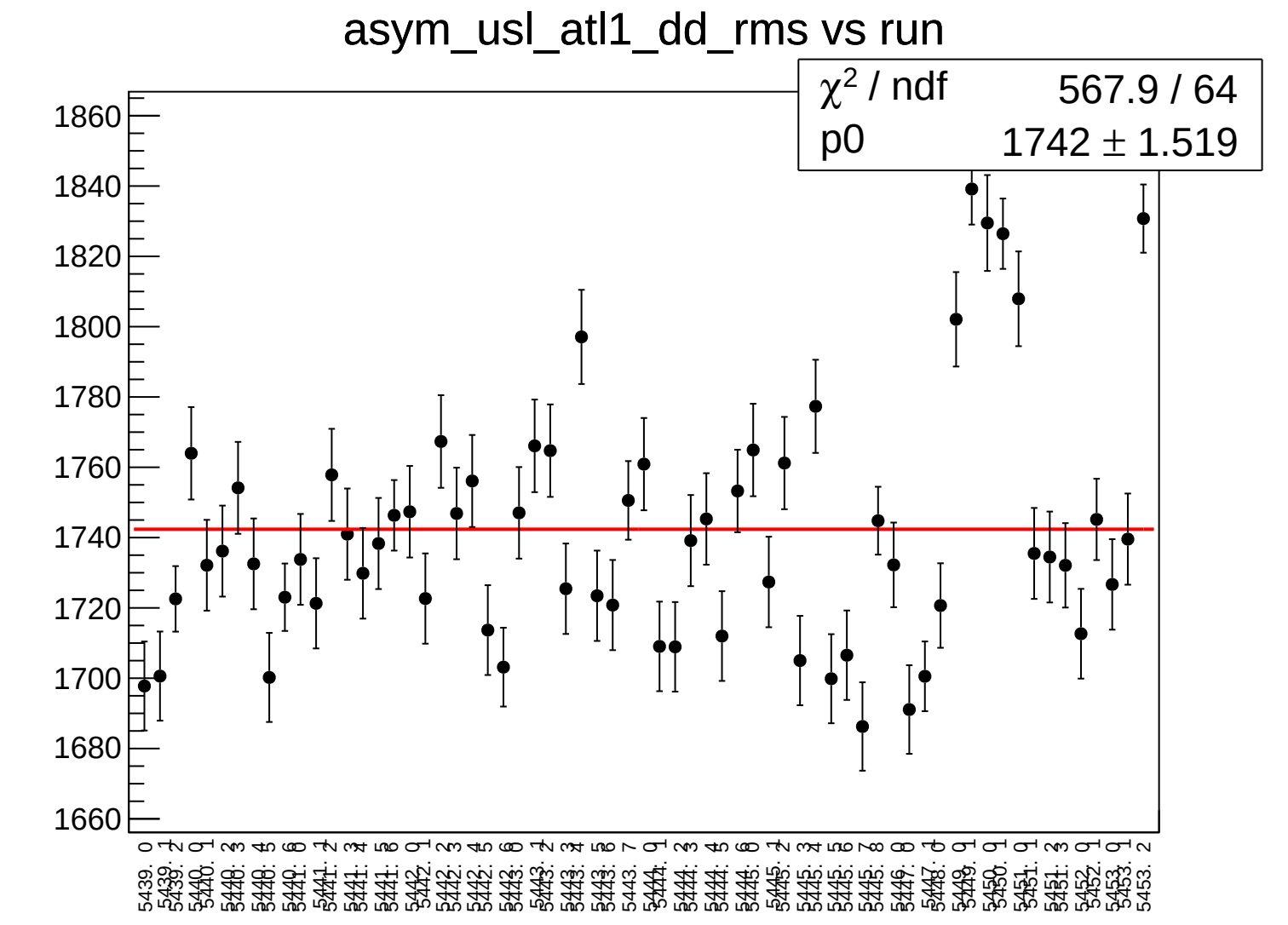

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.31 / 64
p0 −862.3 ± 1226
pull
Entries 65
Mean 11.81
Std Dev 29.15

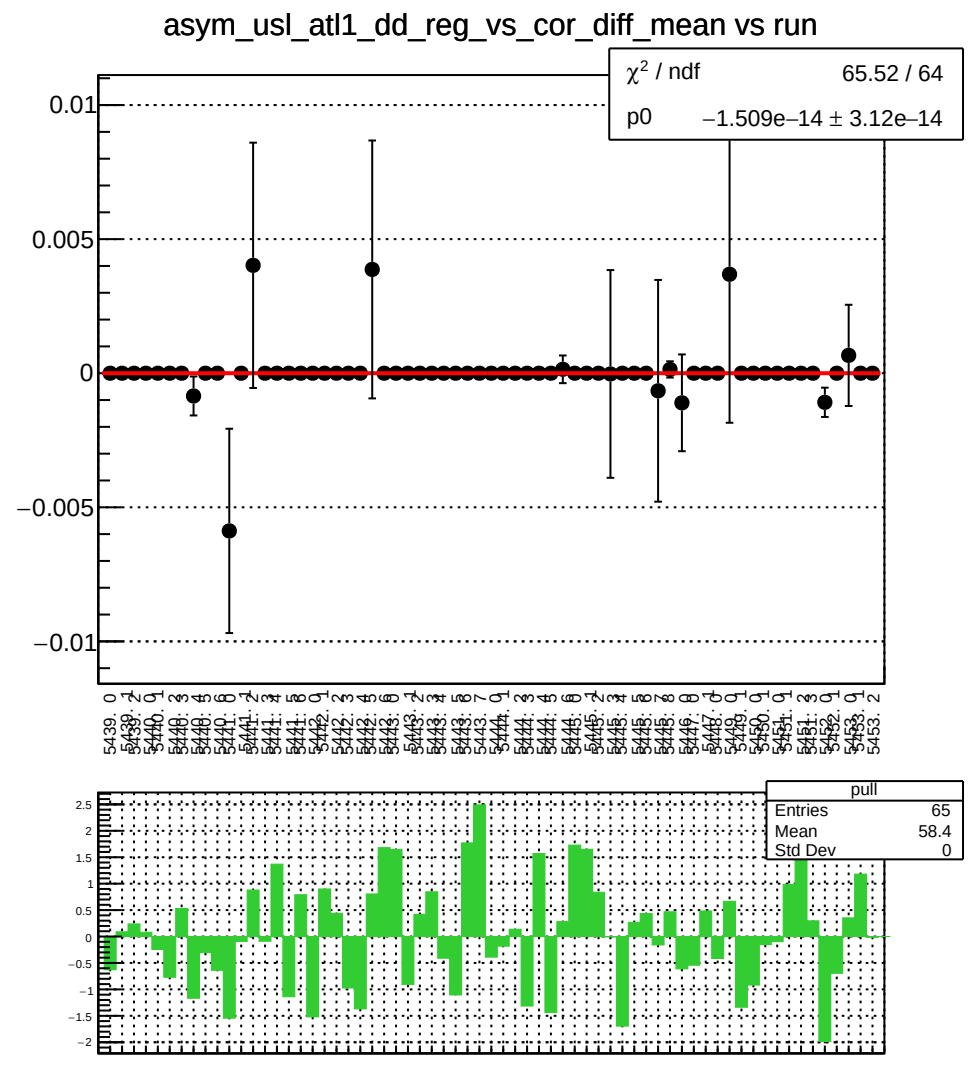

pull1D
Entries 65
Mean 0.02231
Std Dev 0.8618

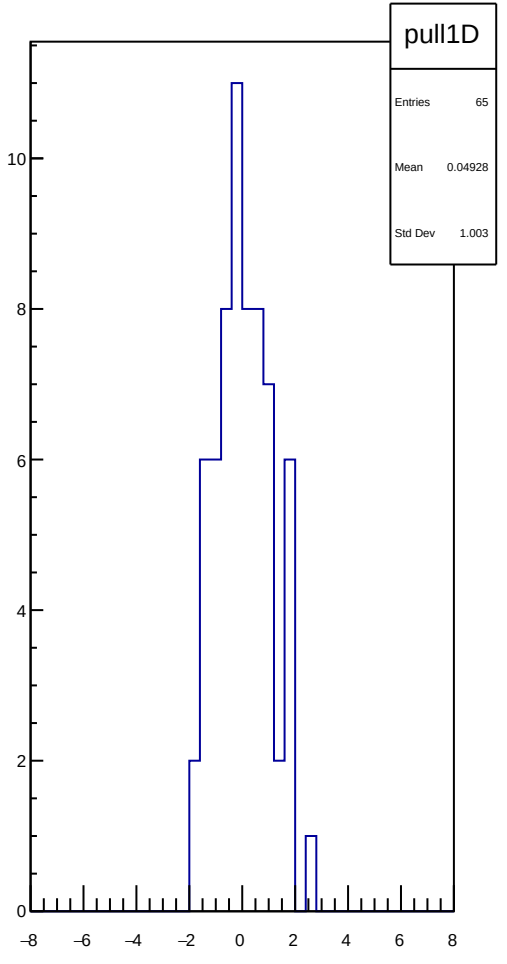

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.094e+04 / 64
p0 982.8 ± 0.8671
3000
2500
2000
1500
1000

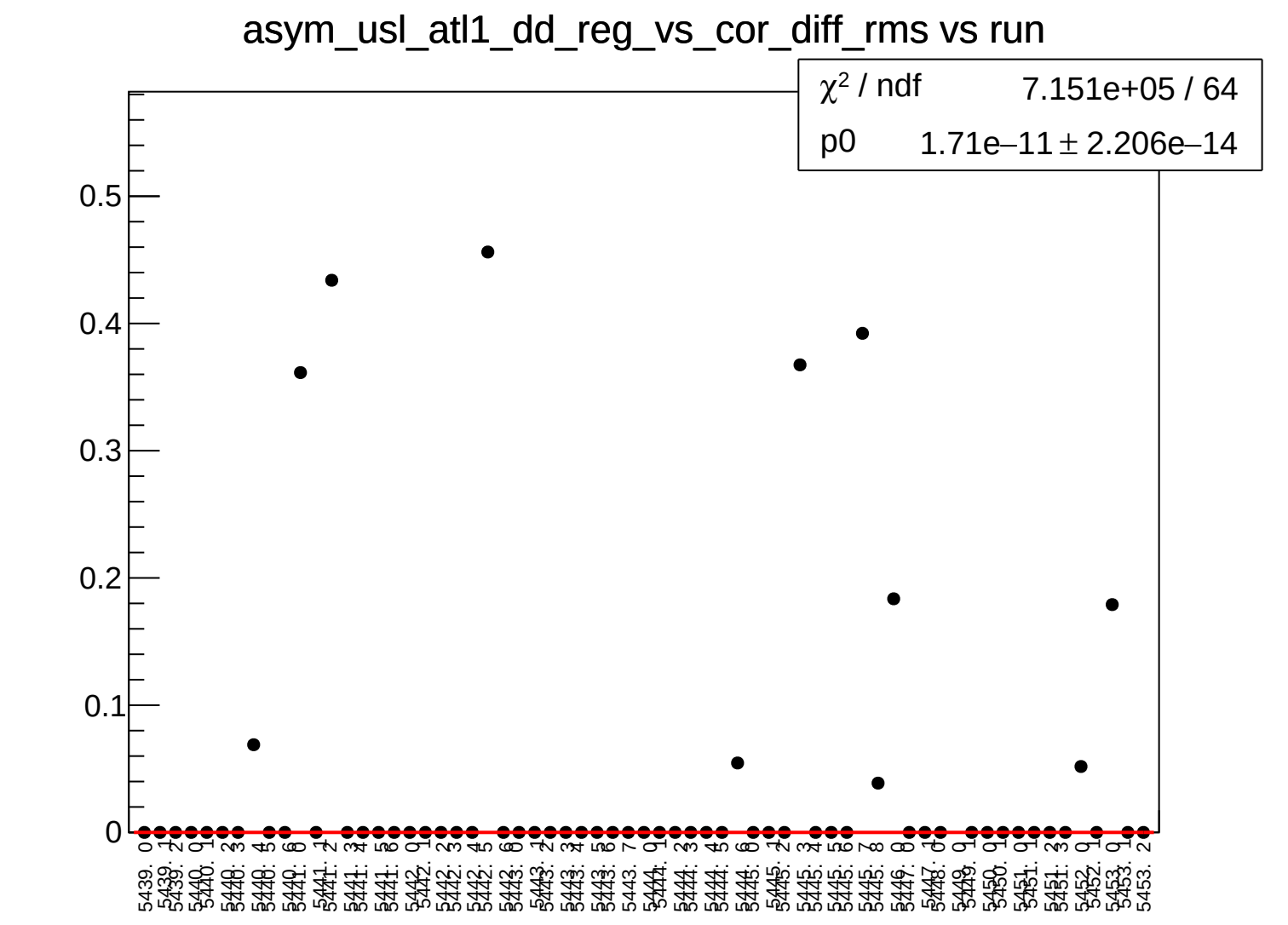

asym_usl_atl1_dd_mean vs run
χ² / ndf 76.9 / 64
p0 320.4 ± 2149
pull
Entries 65
Mean 11.21
Std Dev 0

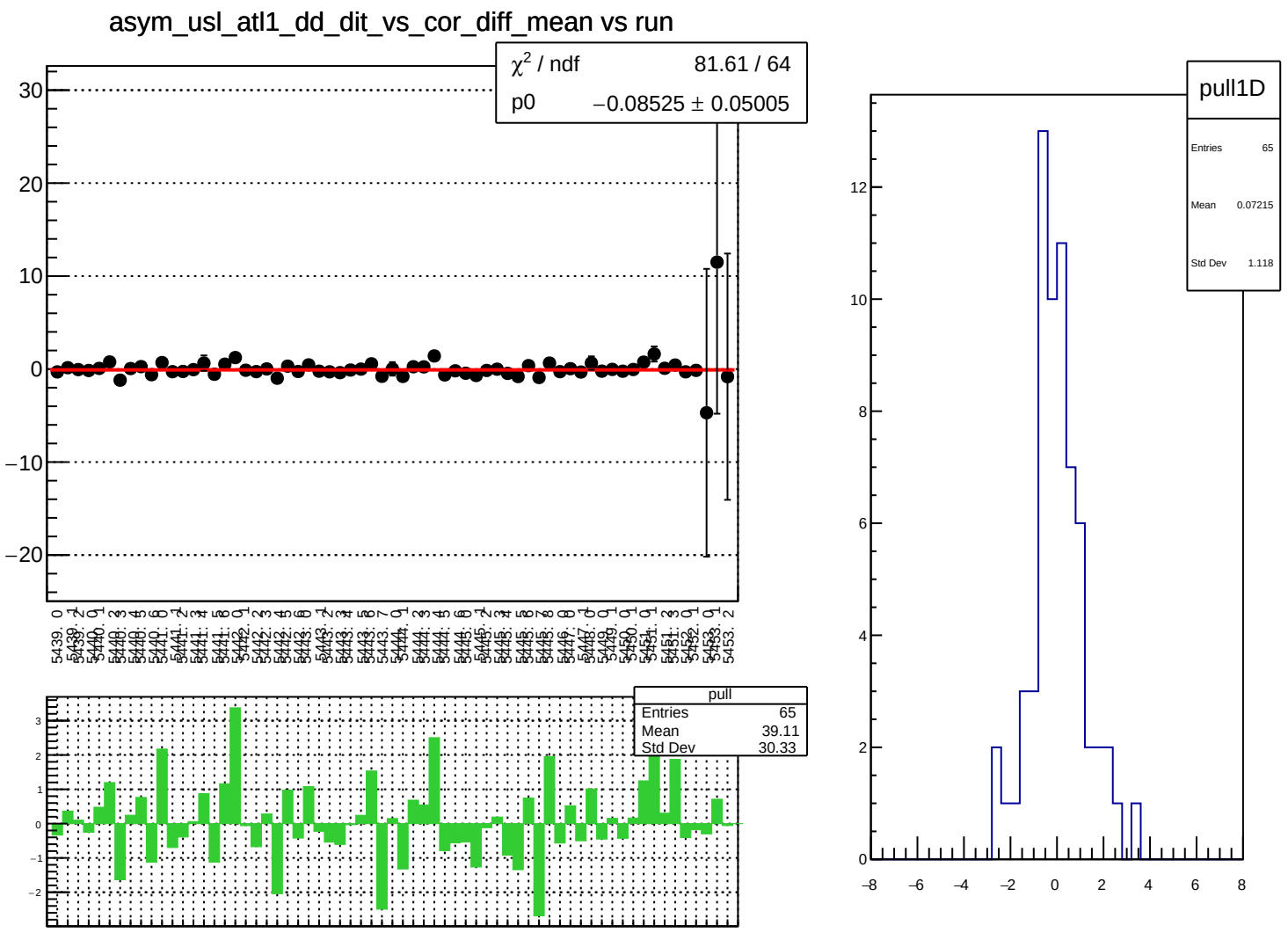

pull1D
Entries 65
Mean 0.005172
Std Dev 1.088

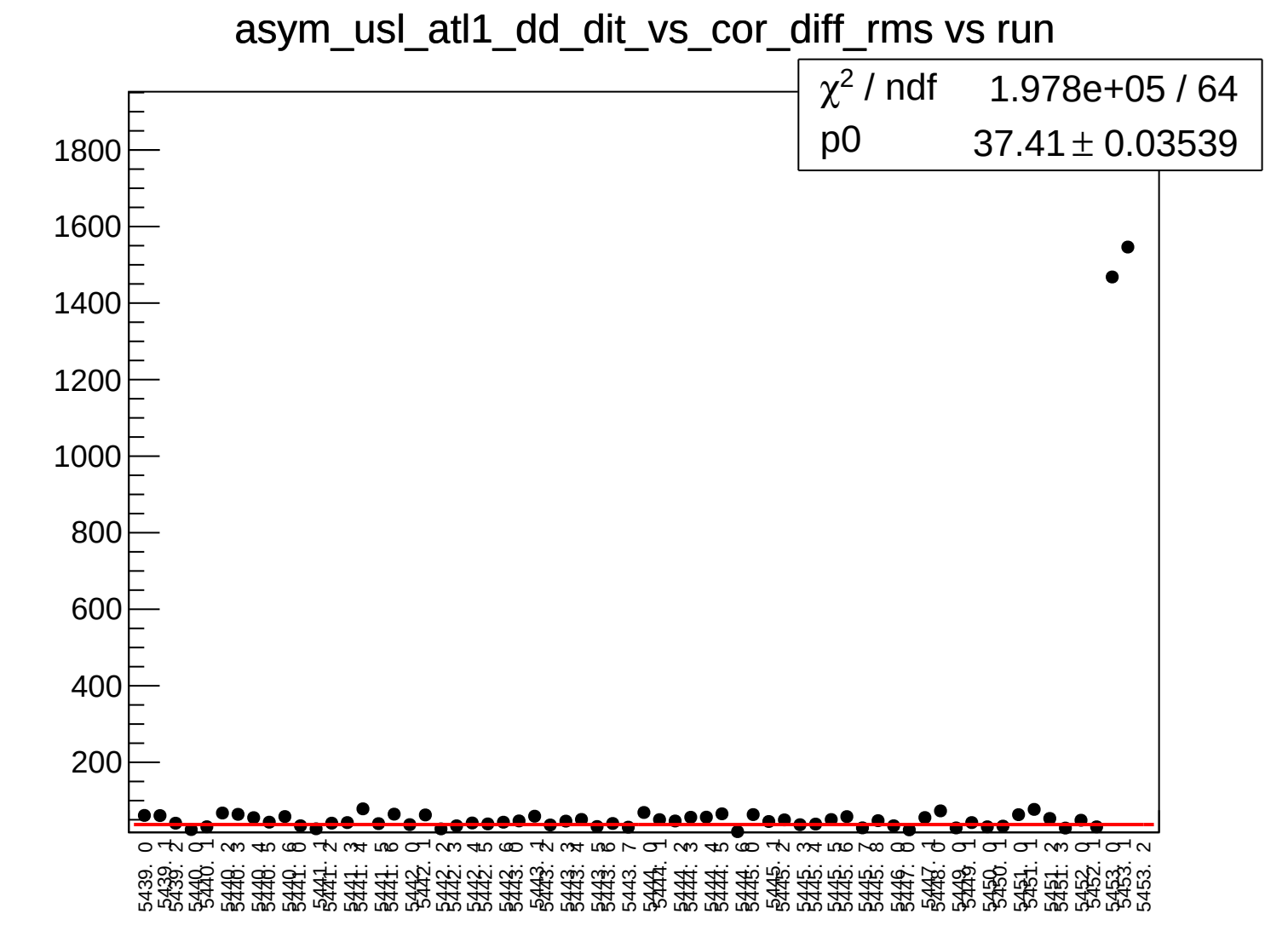

asym_usl_atl1_dd_rms vs run
χ² / ndf 567.9 / 64
p0 1742 ± 1.519
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660

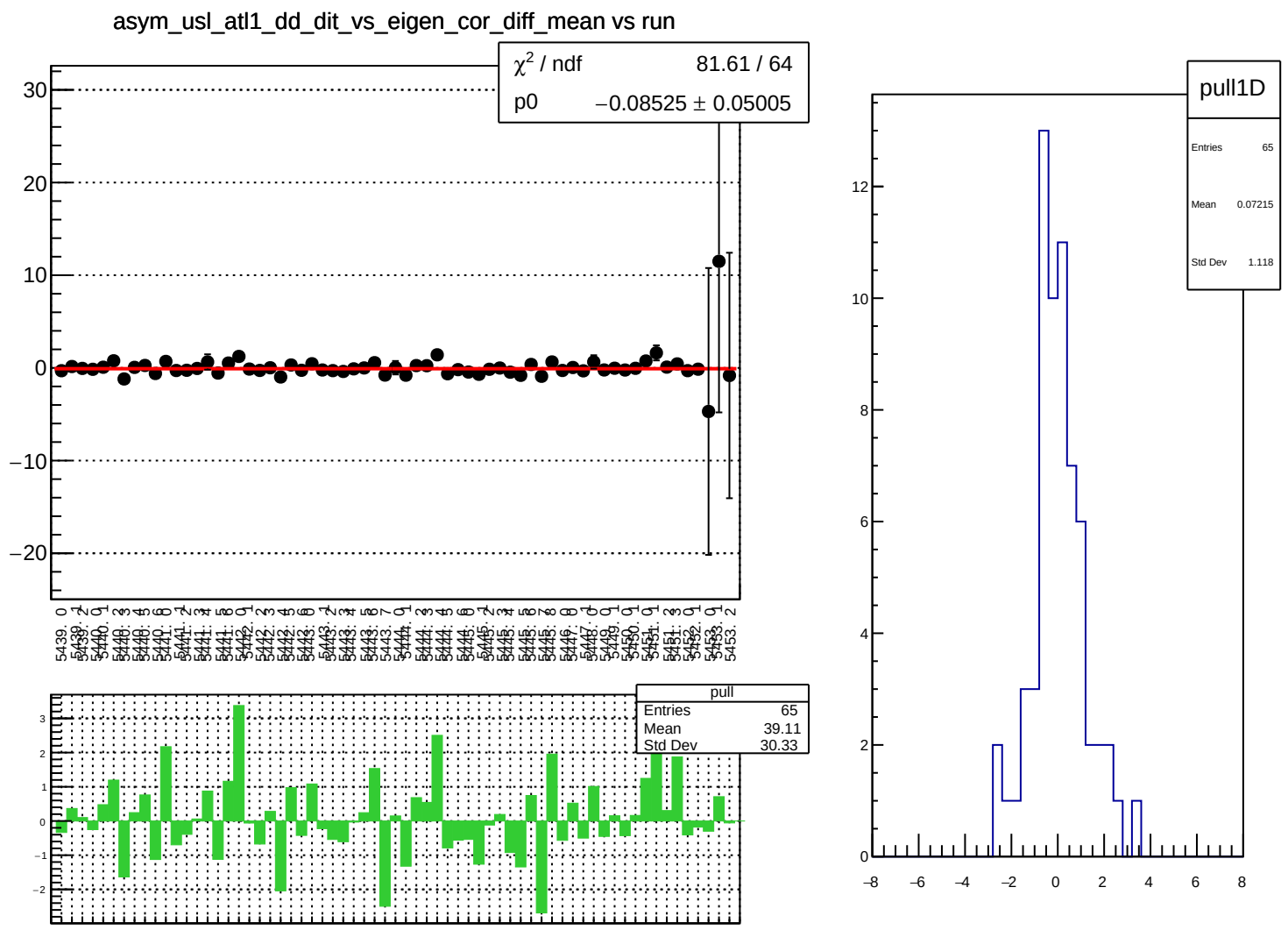

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.52 / 64
p0 −1.509e−14 ± 3.12e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 65
Mean 58.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

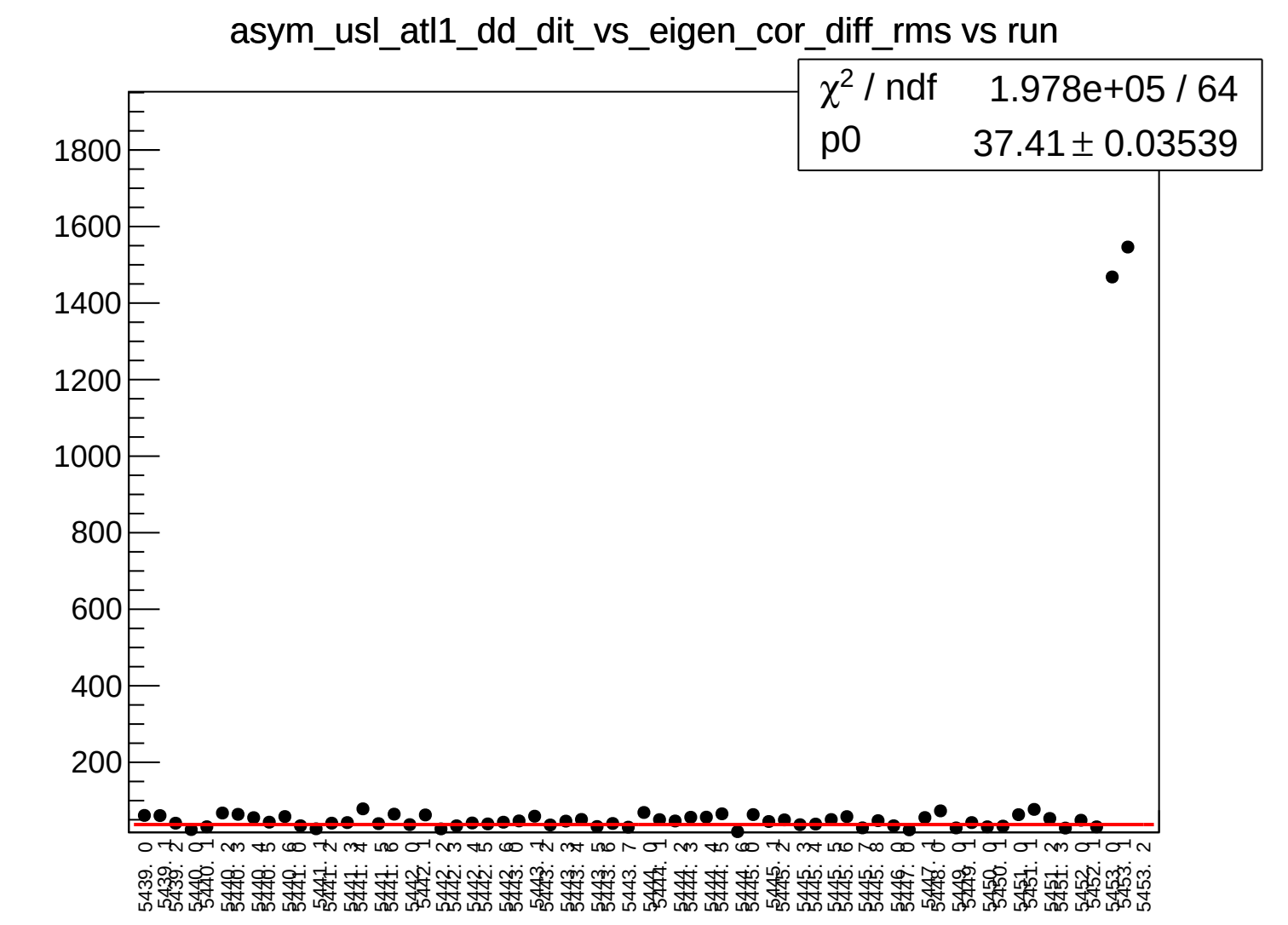

pull1D
Entries 65
Mean 0.04928
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

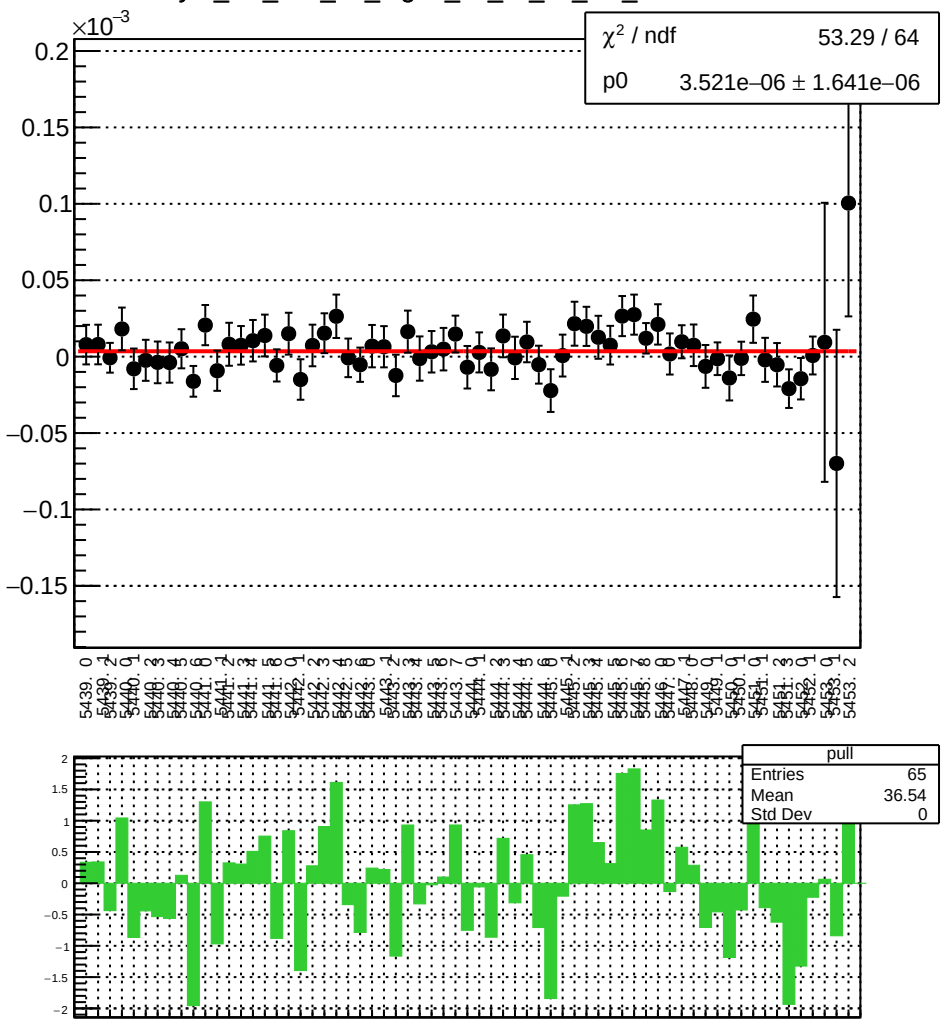

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.151e+05 / 64
p0 1.71e−11 ± 2.206e−14
0.5
0.4
0.3
0.2
0.1
0

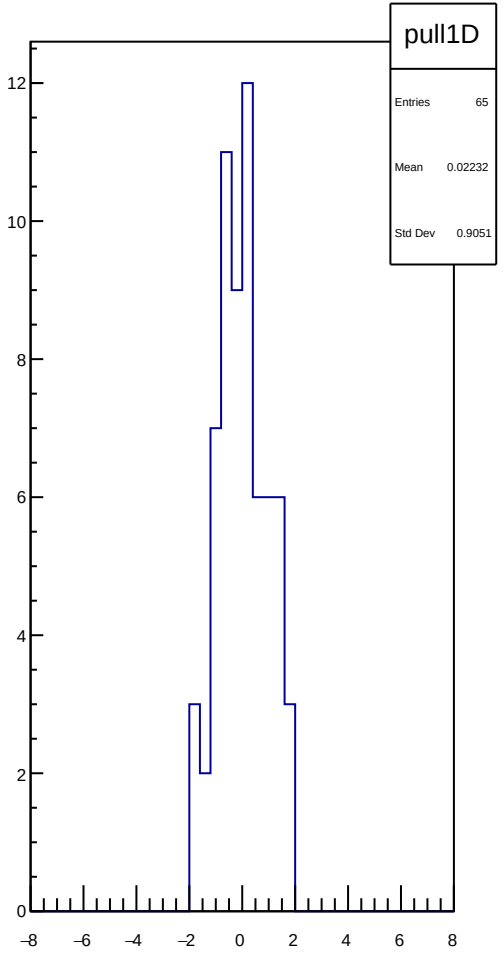

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 81.61 / 64
p0 −0.08525 ± 0.05005
pull
Entries 65
Mean 39.11
Std Dev 30.33
pull1D
Entries 65
Mean 0.07215
Std Dev 1.118

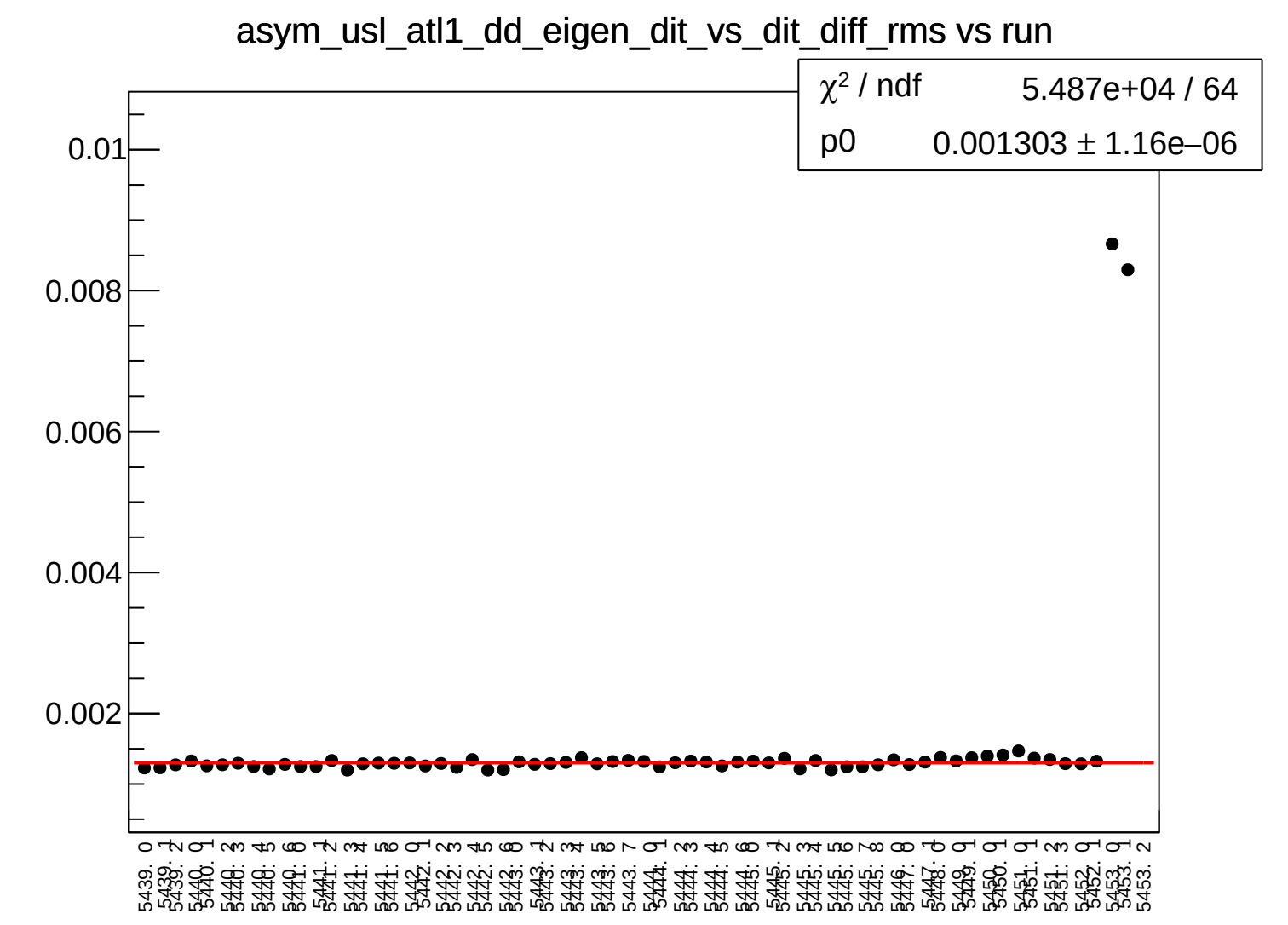

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.978e+05 / 64
p0 37.41 ± 0.03539
1800
1600
1400
1200
1000
800
600
400
200

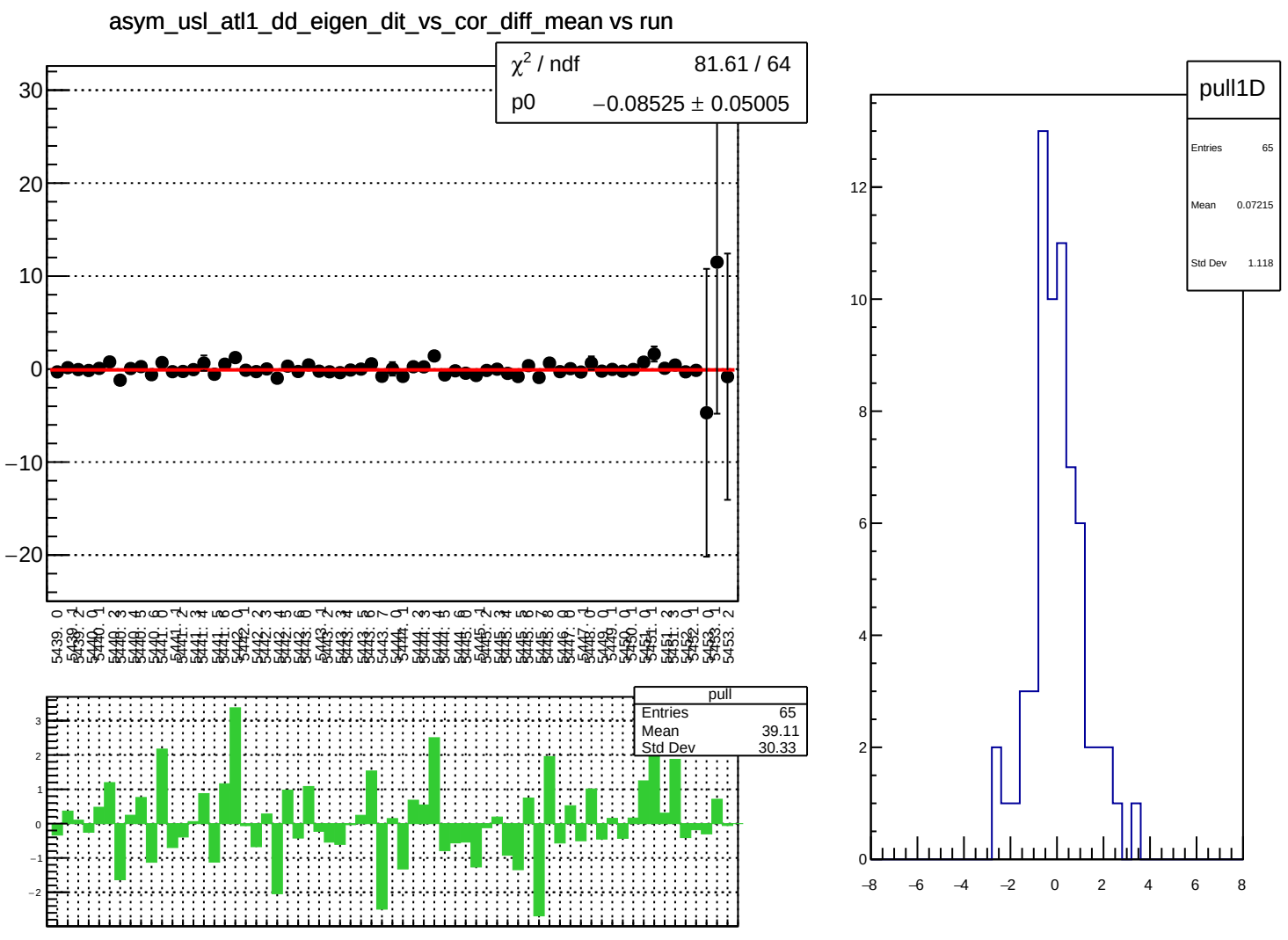

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.61 / 64
p0 −0.08525 ± 0.05005
pull
Entries 65
Mean 39.11
Std Dev 30.33
pull1D
Entries 65
Mean 0.07215
Std Dev 1.118

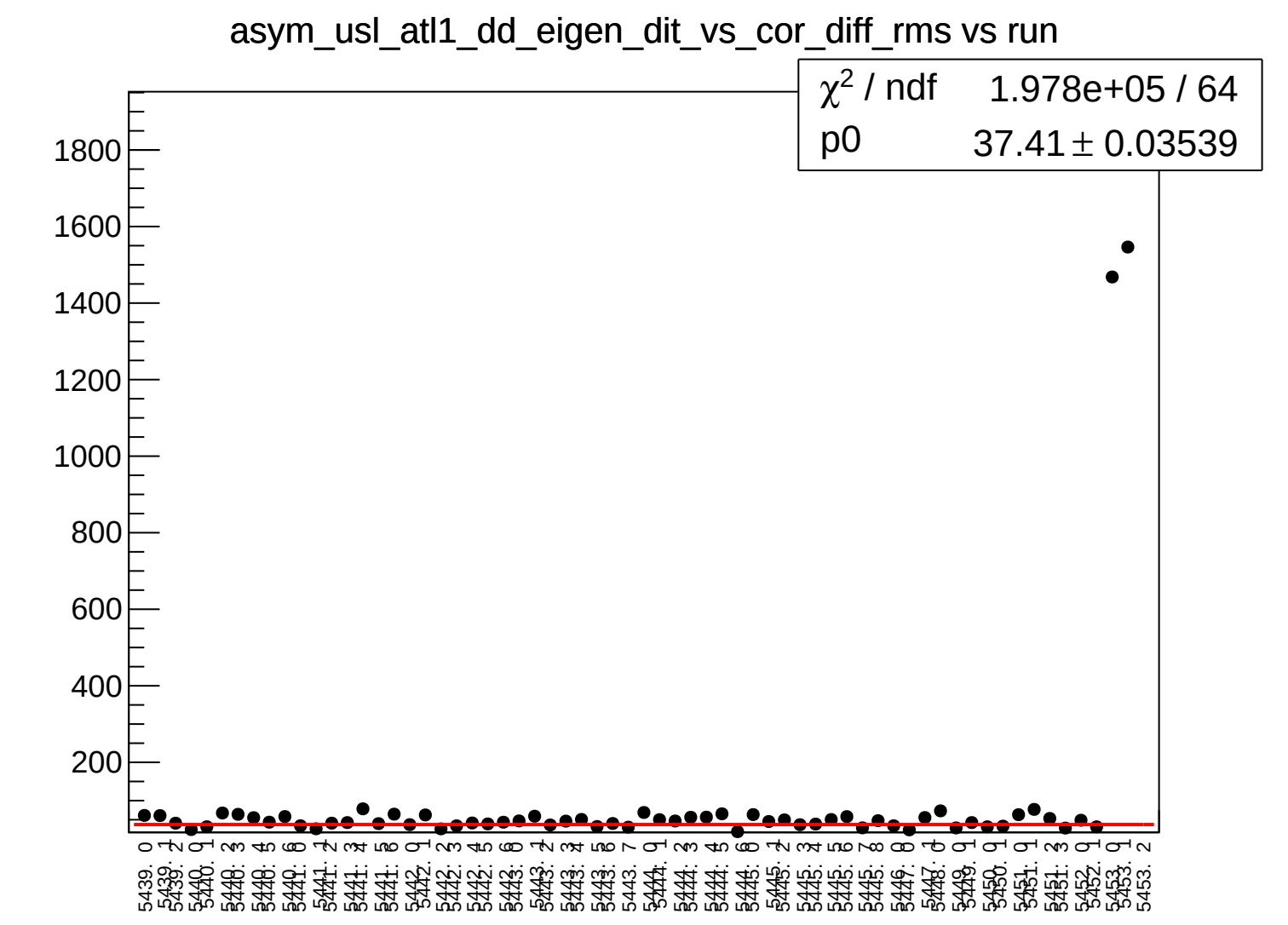

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.978e+05 / 64
p0 37.41 ± 0.03539
1800
1600
1400
1200
1000
800
600
400
200

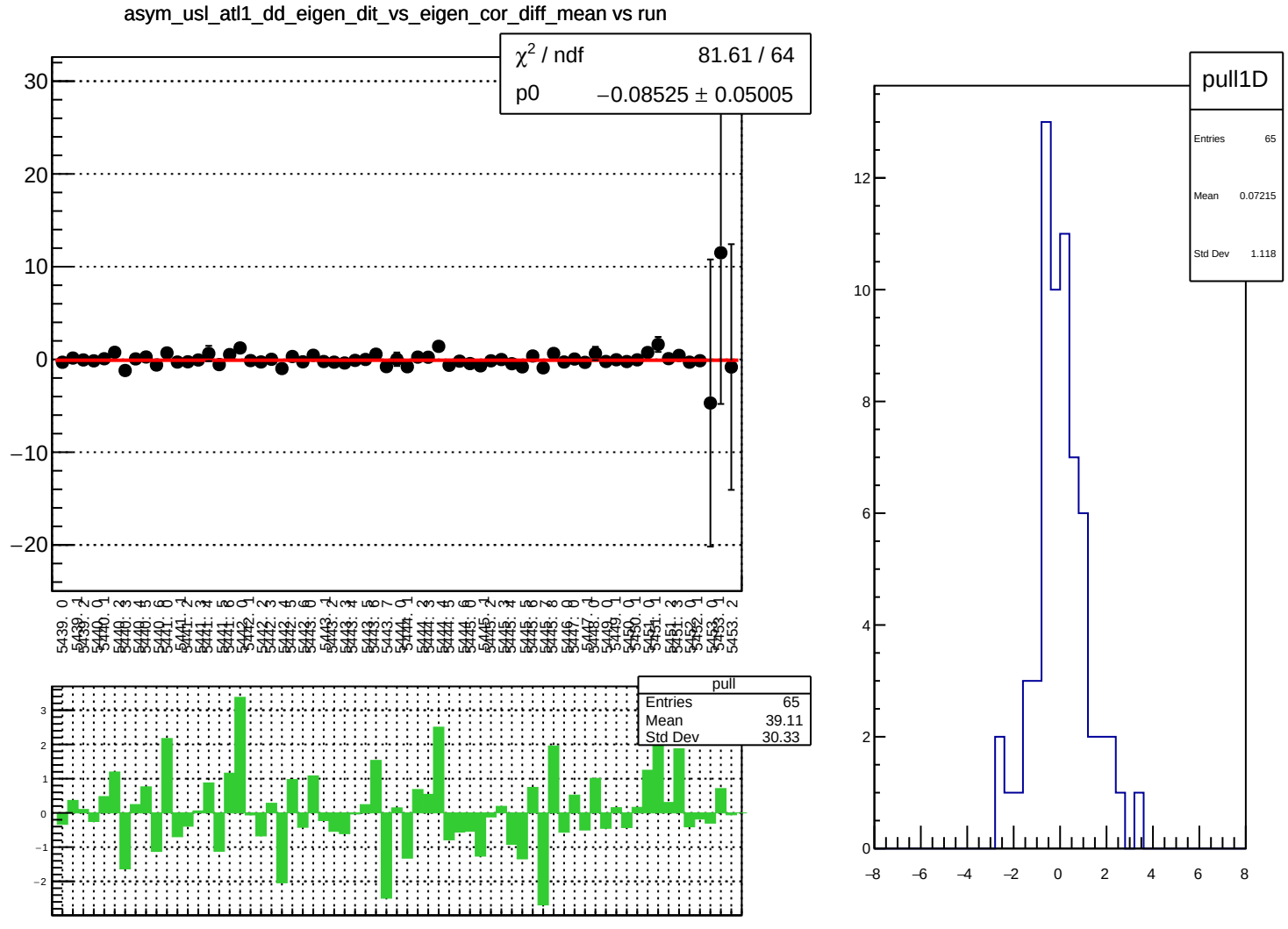

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.29 / 64
p0 3.521e−06 ± 1.641e−06
pull
Entries 65
Mean 36.54
Std Dev 0

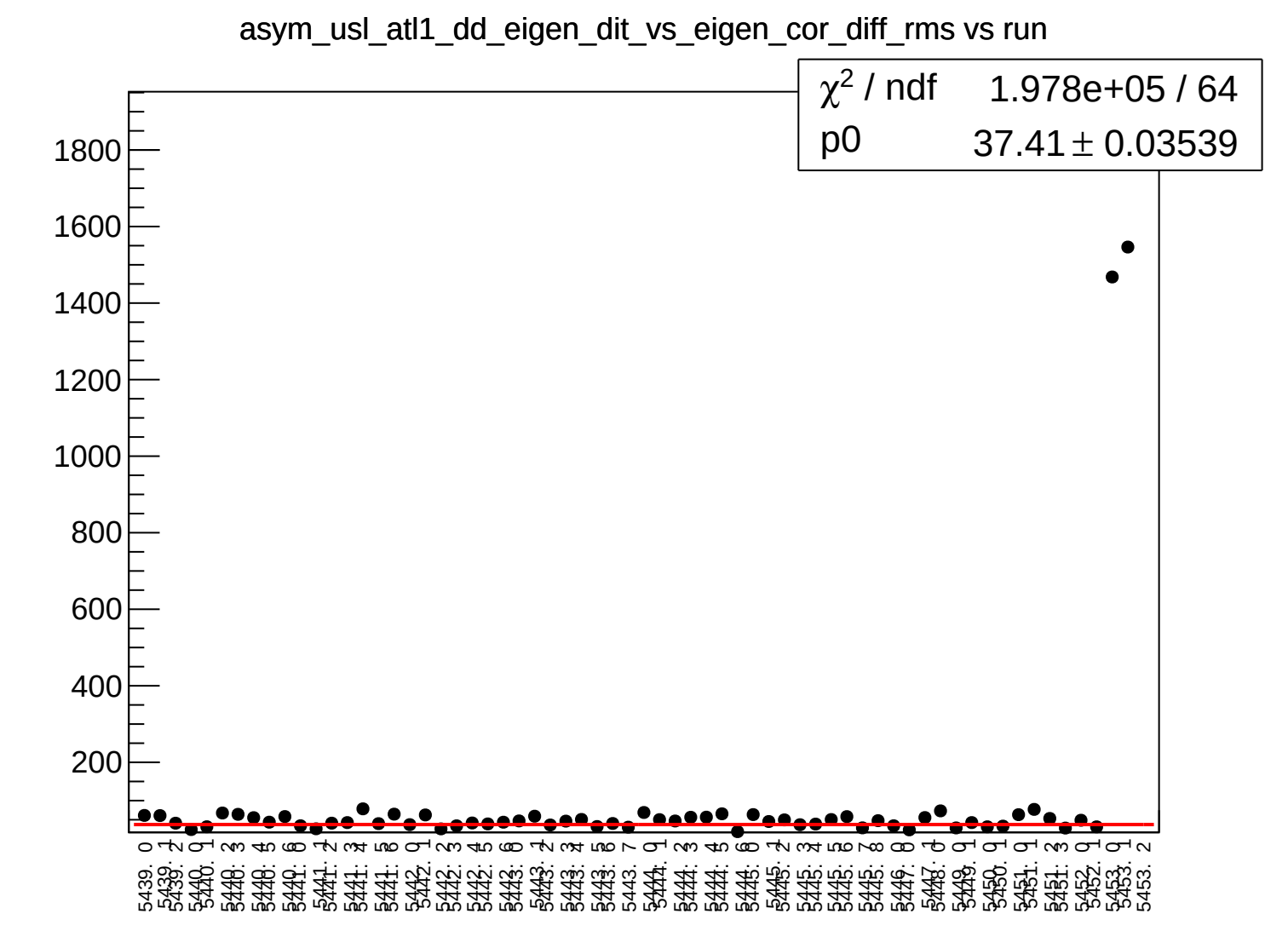

pull1D
Entries 65
Mean 0.02232
Std Dev 0.9051

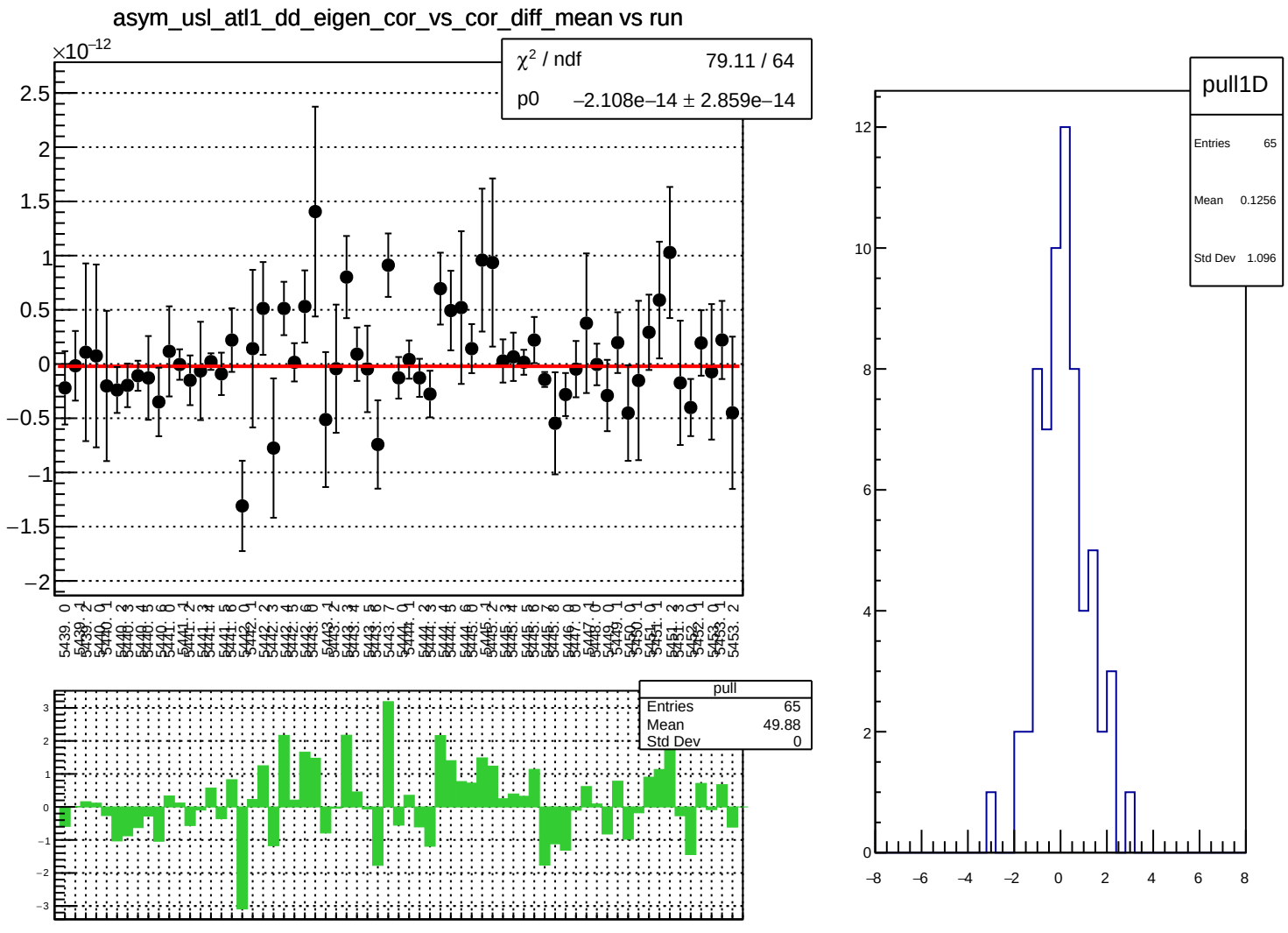

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.487e+04 / 64
p0 0.001303 ± 1.16e−06
0.01
0.008
0.006
0.004
0.002
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

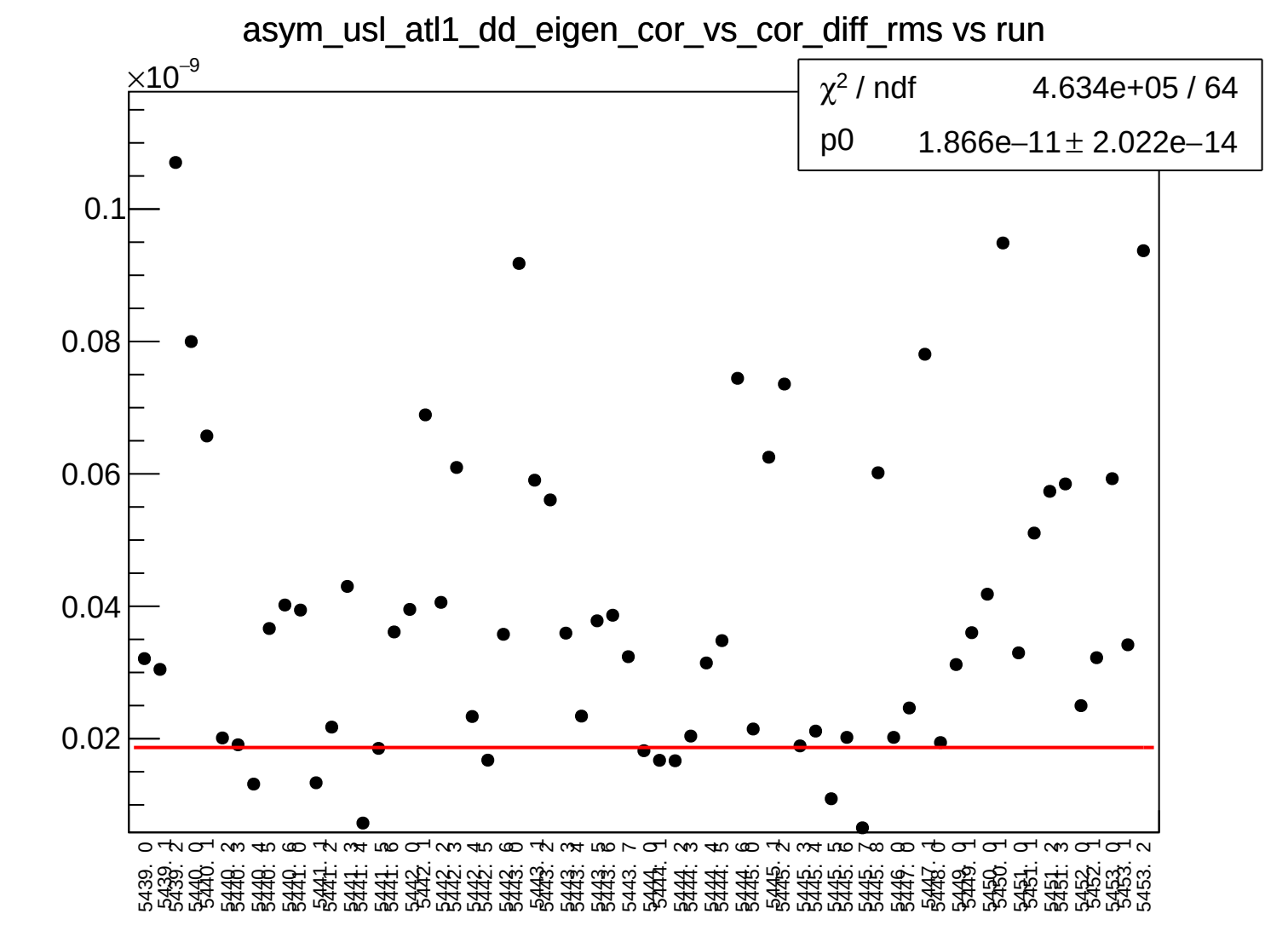

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.61 / 64
p0 −0.08525 ± 0.05005
pull
Entries 65
Mean 39.11
Std Dev 30.33
pull1D
Entries 65
Mean 0.07215
Std Dev 1.118

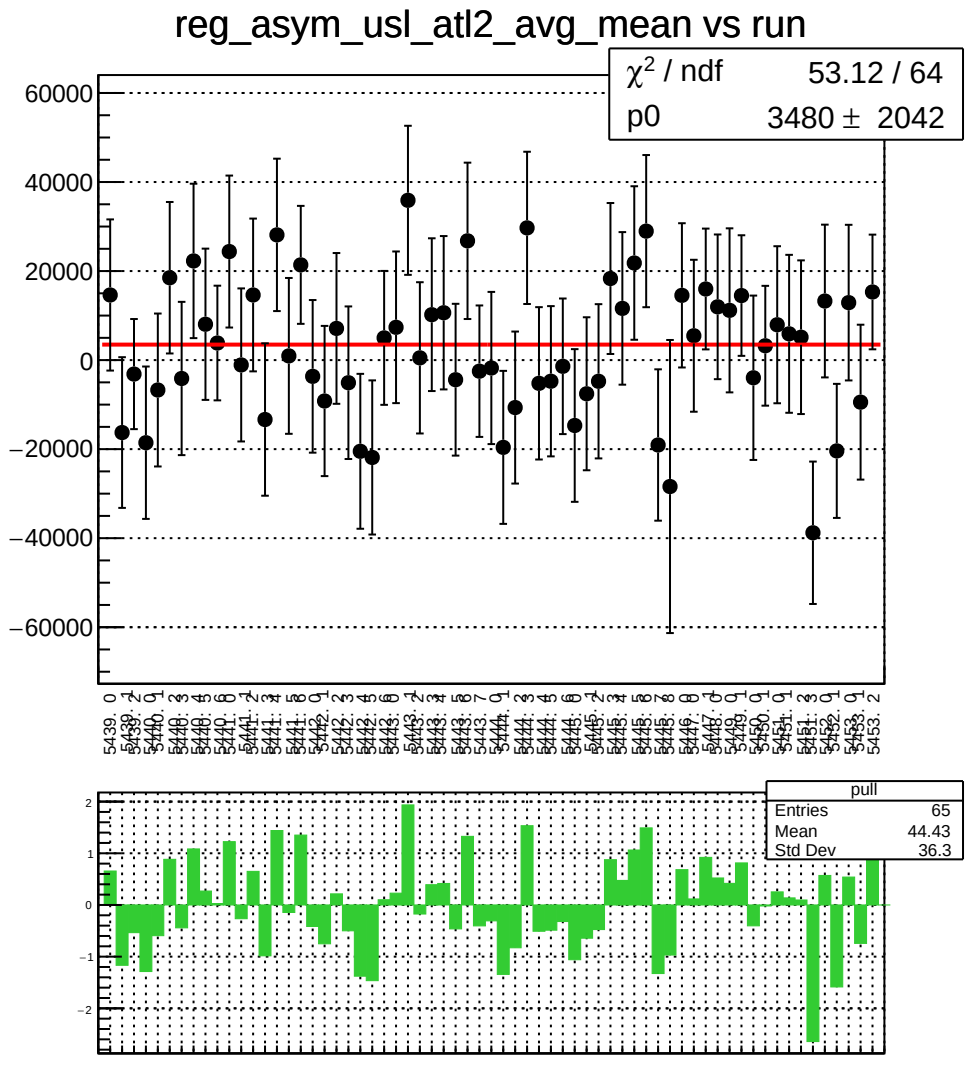

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.978e+05 / 64
p0 37.41 ± 0.03539
1800
1600
1400
1200
1000
800
600
400
200

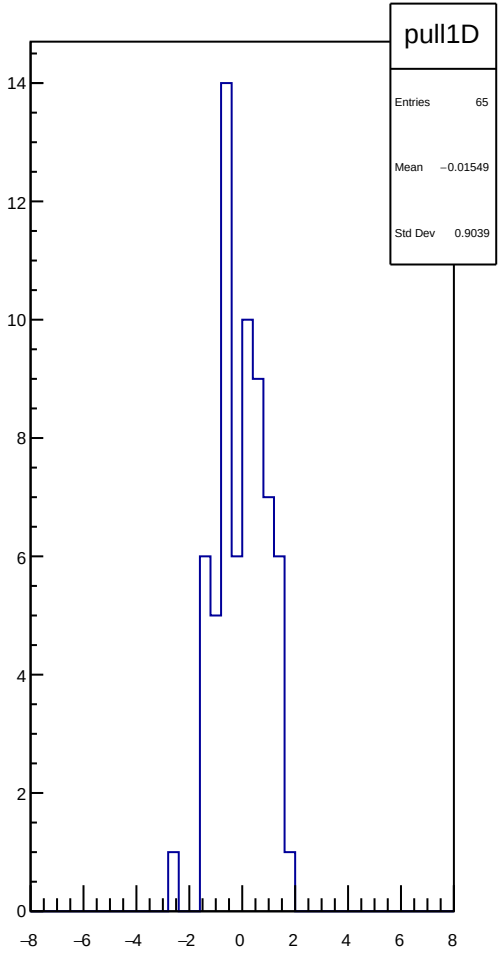

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.61 / 64
p0 −0.08525 ± 0.05005
pull
Entries 65
Mean 39.11
Std Dev 30.33
pull1D
Entries 65
Mean 0.07215
Std Dev 1.118

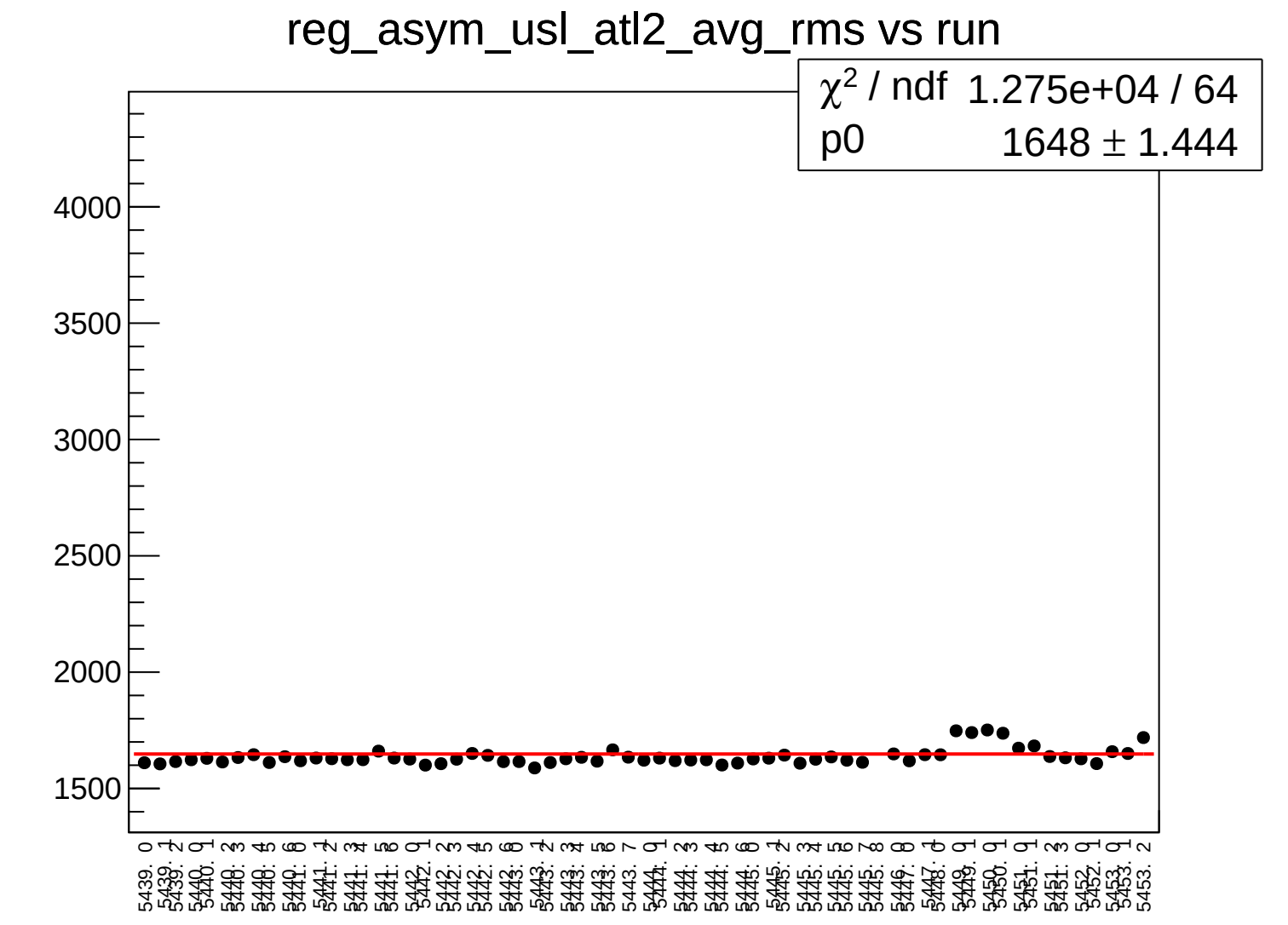

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.978e+05 / 64
p0 37.41 ± 0.03539
1800
1600
1400
1200
1000
800
600
400
200

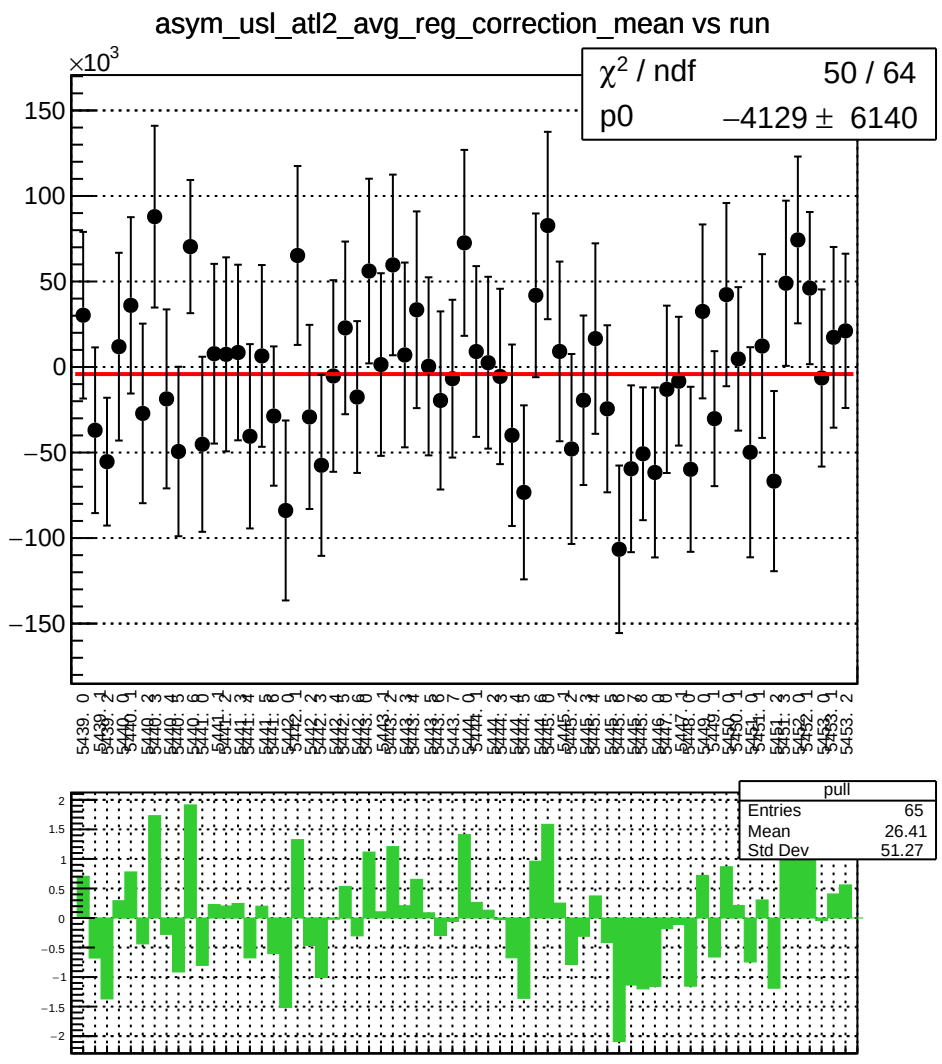

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.11 / 64
p0 −2.108e−14 ± 2.859e−14
pull
Entries 65
Mean 49.88
Std Dev 0
pull1D
Entries 65
Mean 0.1256
Std Dev 1.096

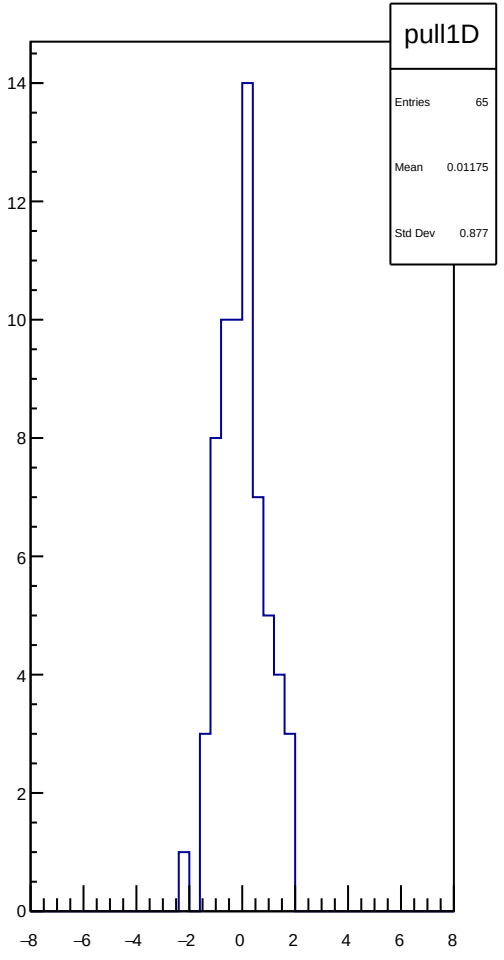

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.634e+05 / 64
p0 1.866e−11 ± 2.022e−14
0.1
0.08
0.06
0.04
0.02

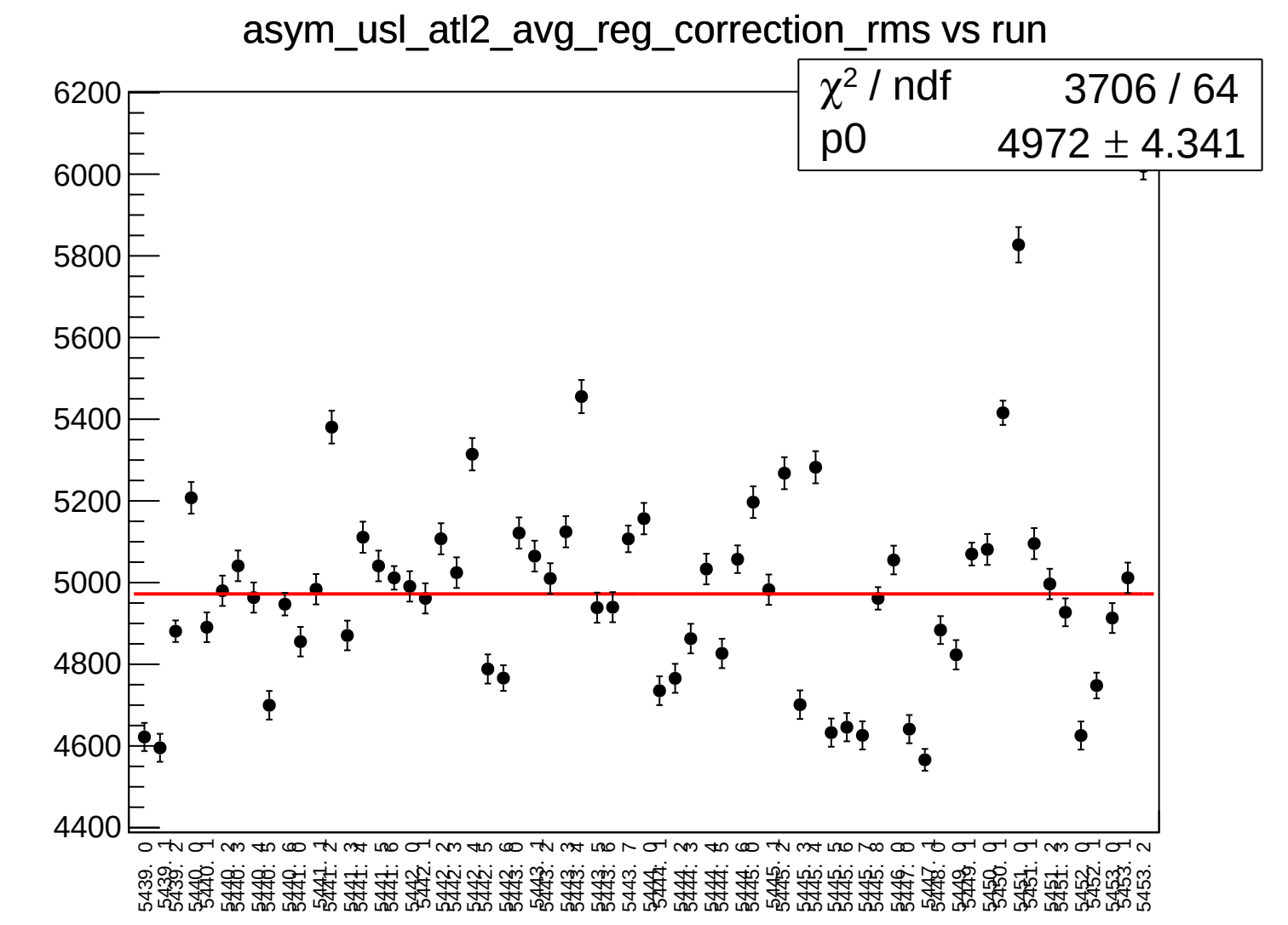

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 53.12 / 64
p0 3480 ± 2042
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 44.43
Std Dev 36.3
2
1
0
−1
−2

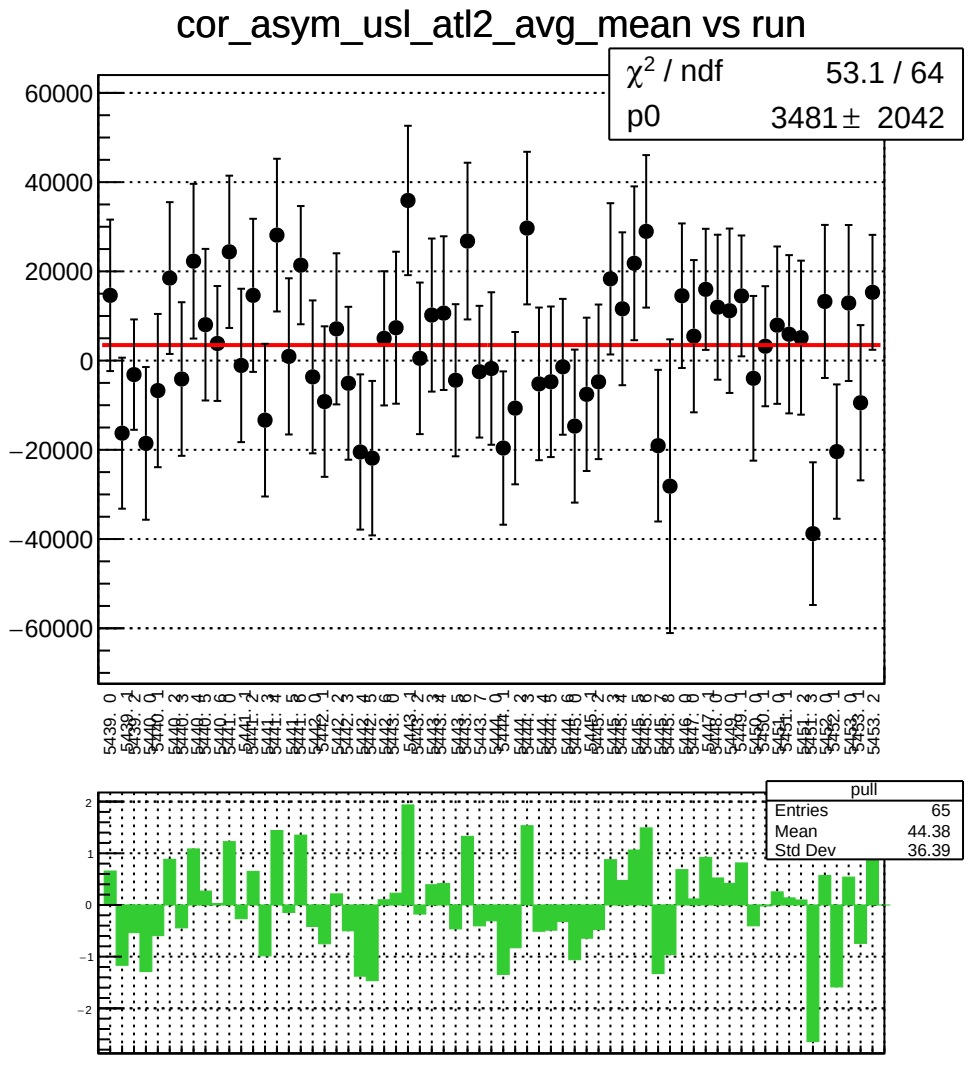

pull1D
Entries 65
Mean −0.01549
Std Dev 0.9039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

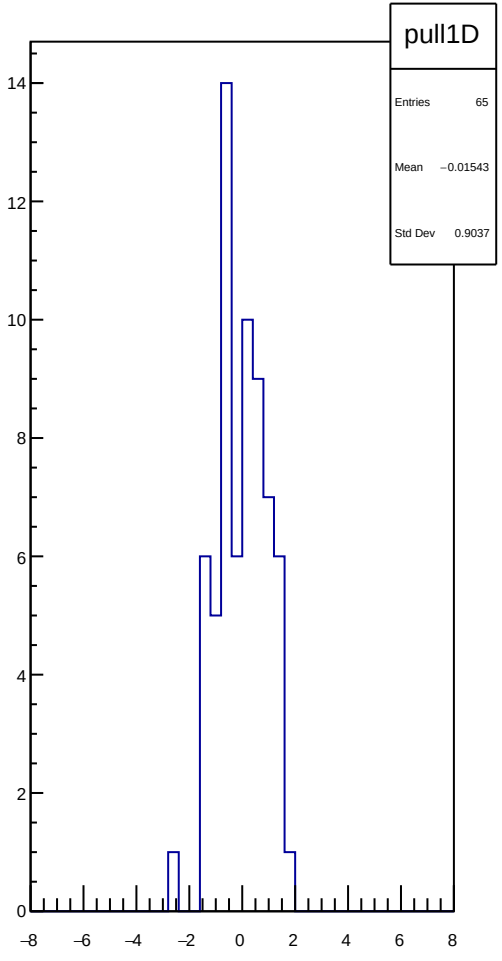

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 1.275e+04 / 64
p0 1648 ± 1.444
4000
3500
3000
2500
2000
1500

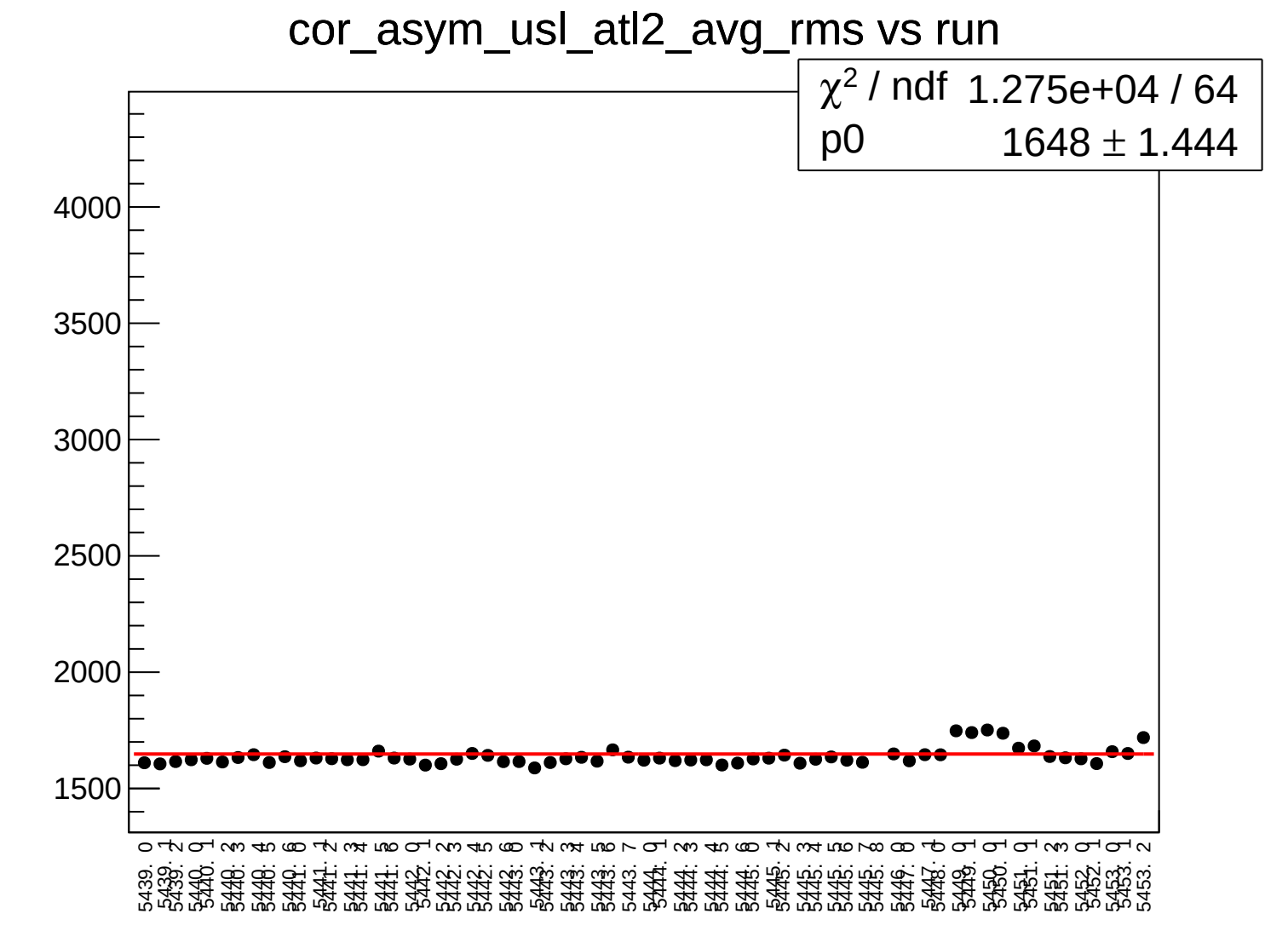

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 50 / 64
p0 −4129 ± 6140
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 26.41
Std Dev 51.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

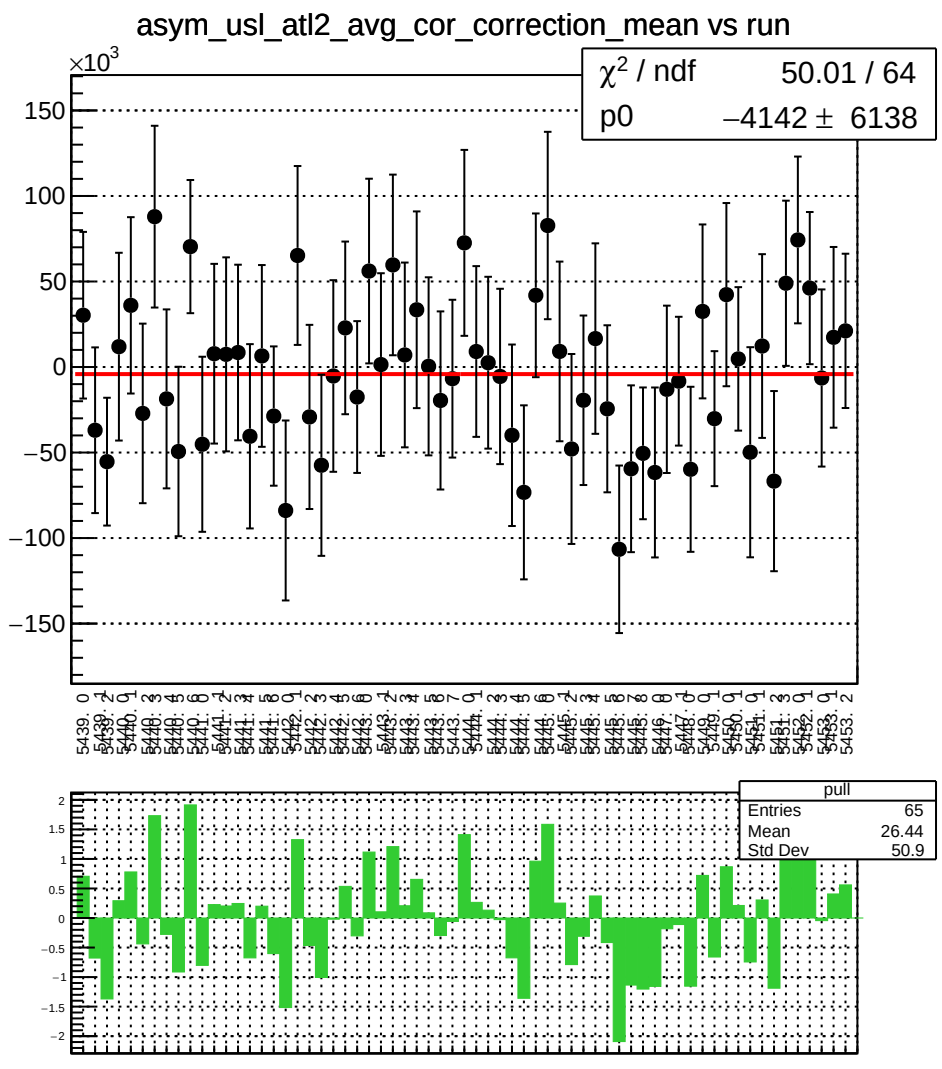

pull1D
Entries 65
Mean 0.01175
Std Dev 0.877
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

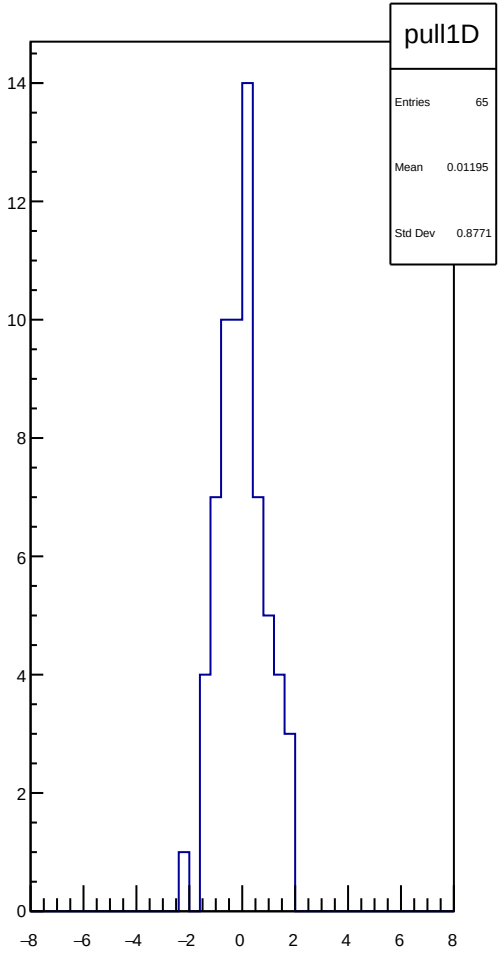

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 3706 / 64
p0 4972 ± 4.341
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

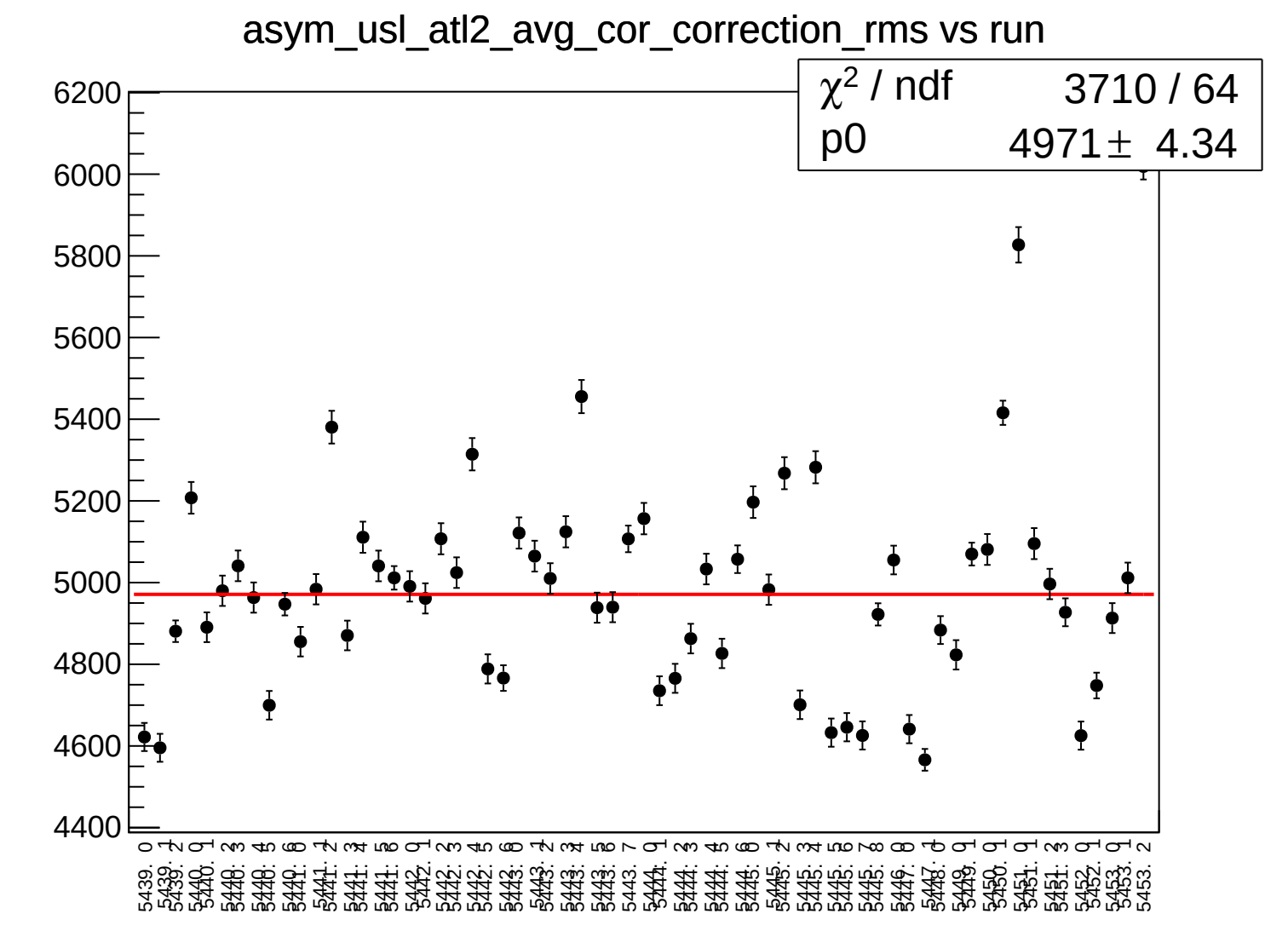

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 53.1 / 64
p0 3481 ± 2042
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 44.38
Std Dev 36.39
2
1
0
−1
−2

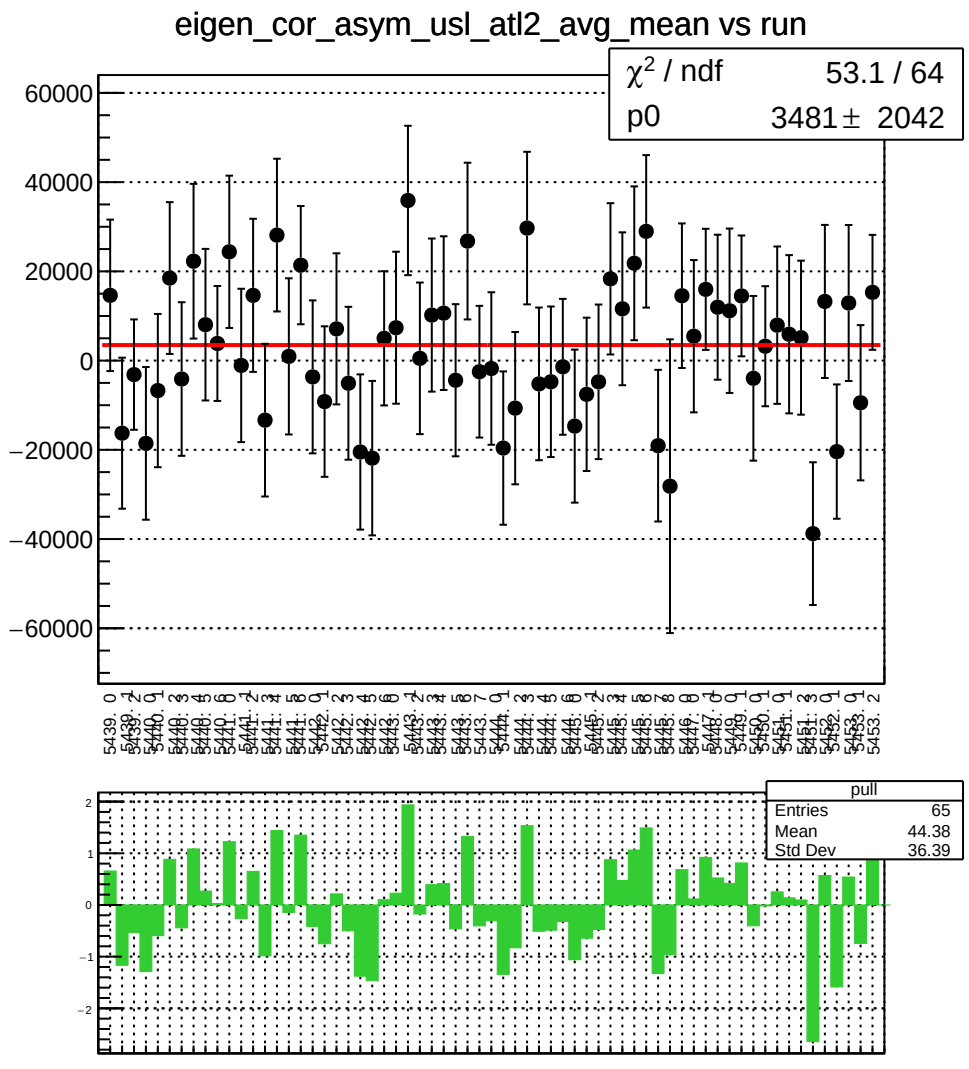

pull1D
Entries 65
Mean −0.01543
Std Dev 0.9037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

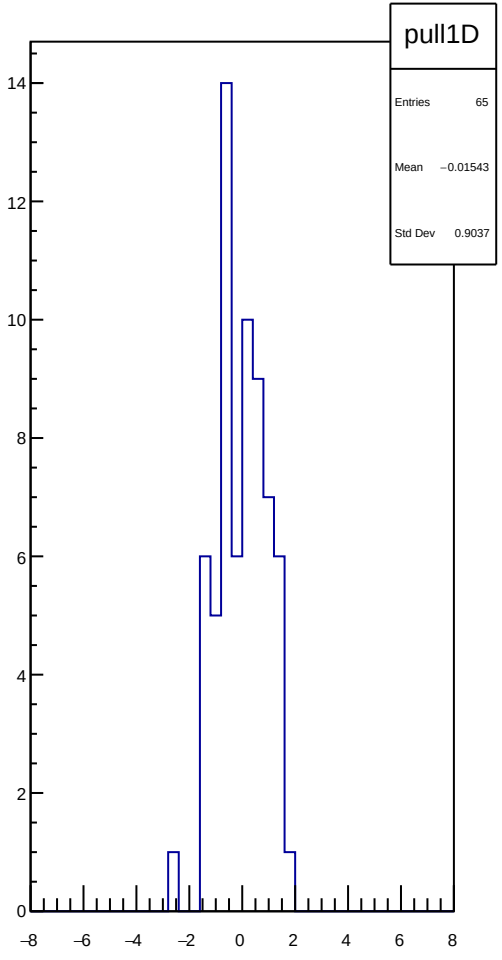

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 1.275e+04 / 64
p0 1648 ± 1.444
4000
3500
3000
2500
2000
1500

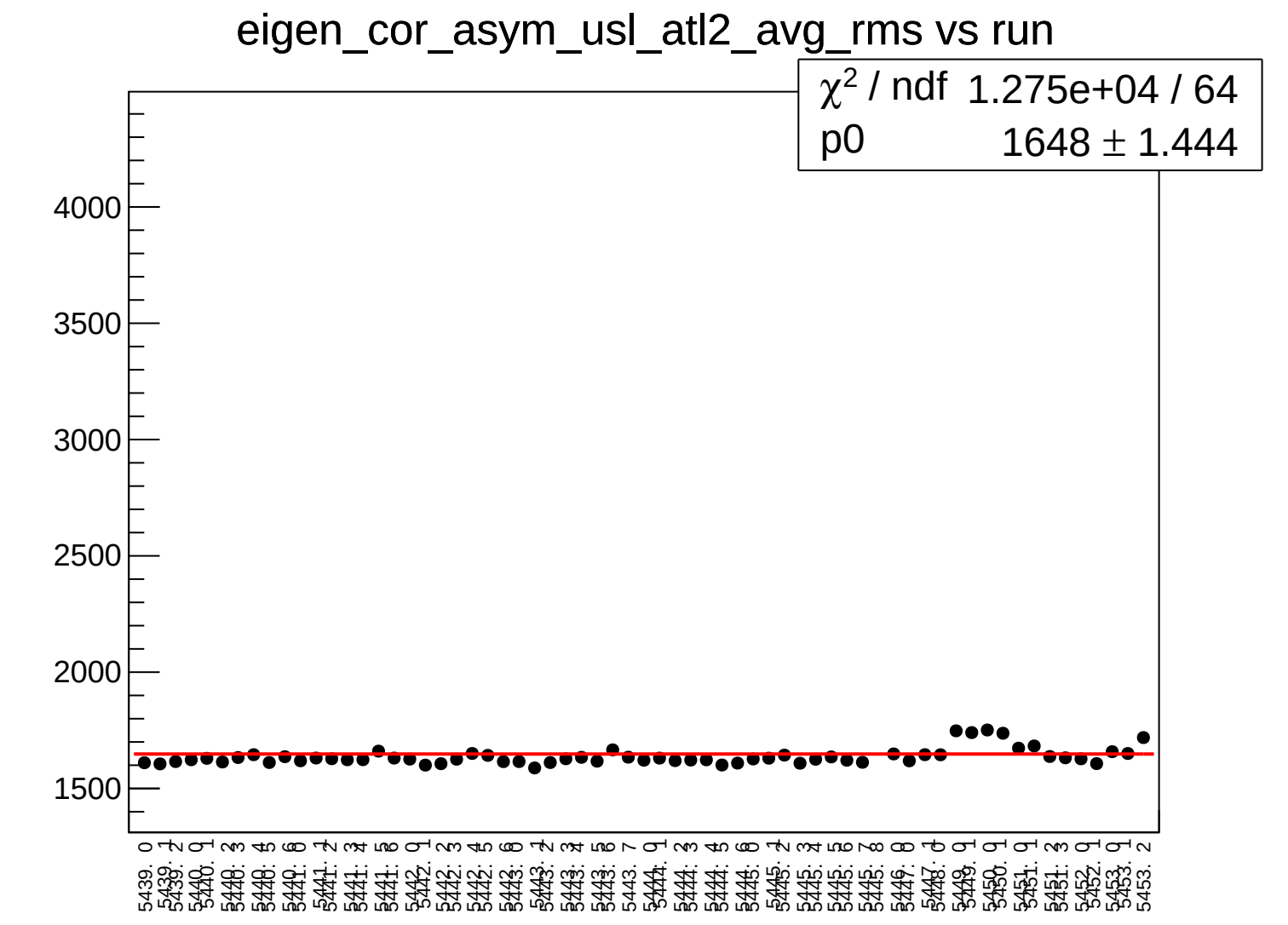

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 50.01 / 64
p0 −4142 ± 6138
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 26.44
Std Dev 50.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

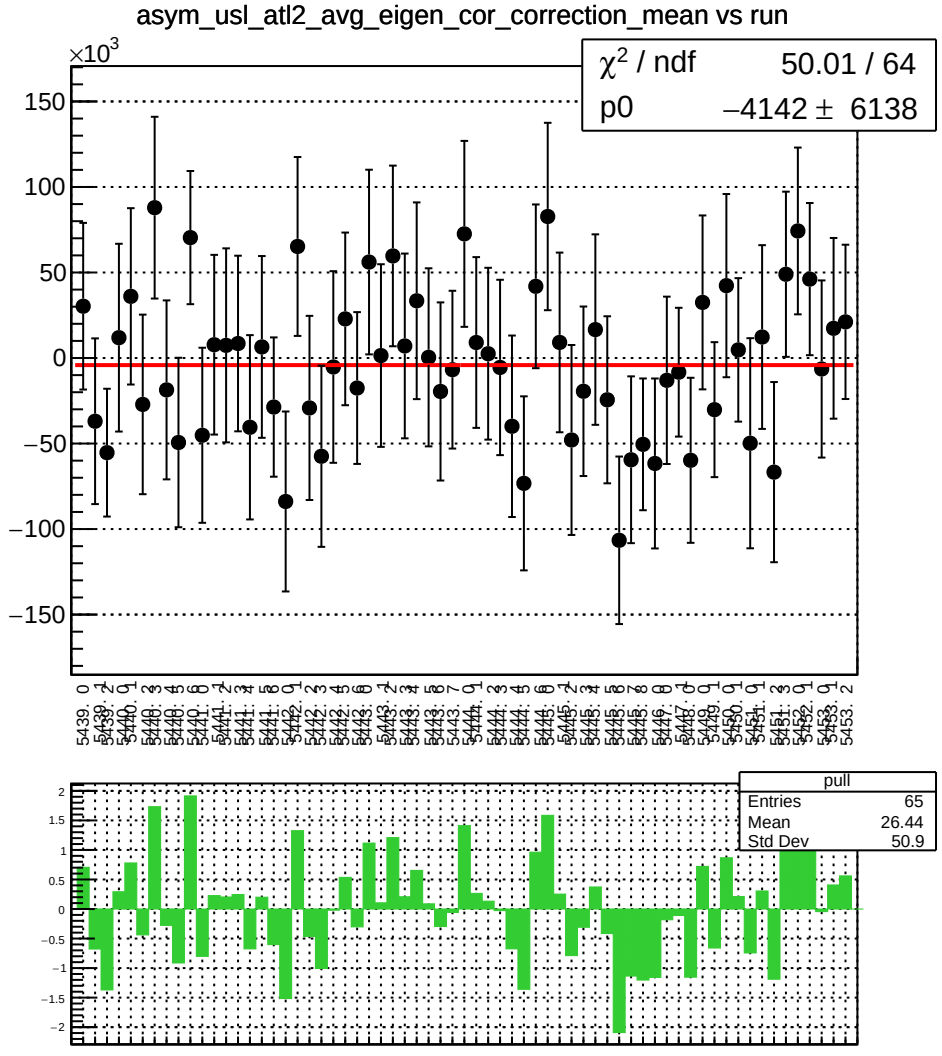

pull1D
Entries 65
Mean 0.01195
Std Dev 0.8771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

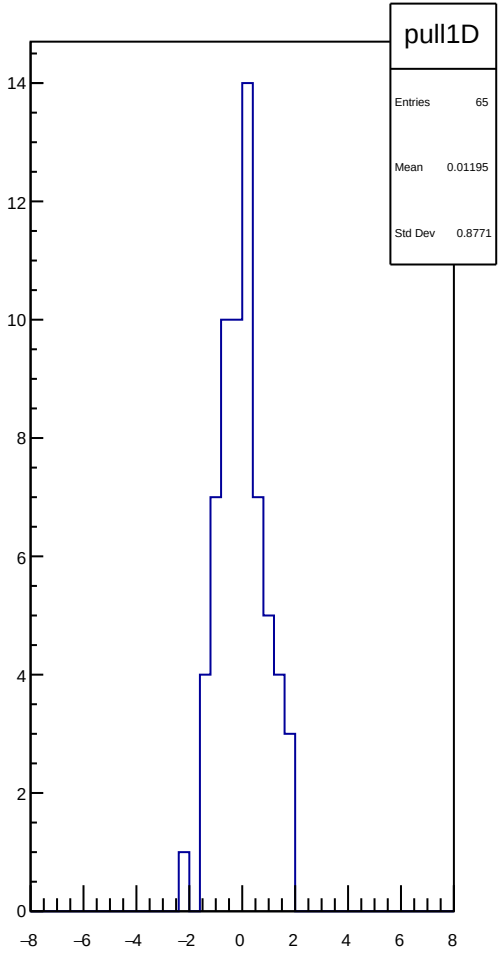

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 3710 / 64
p0 4971 ± 4.34
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

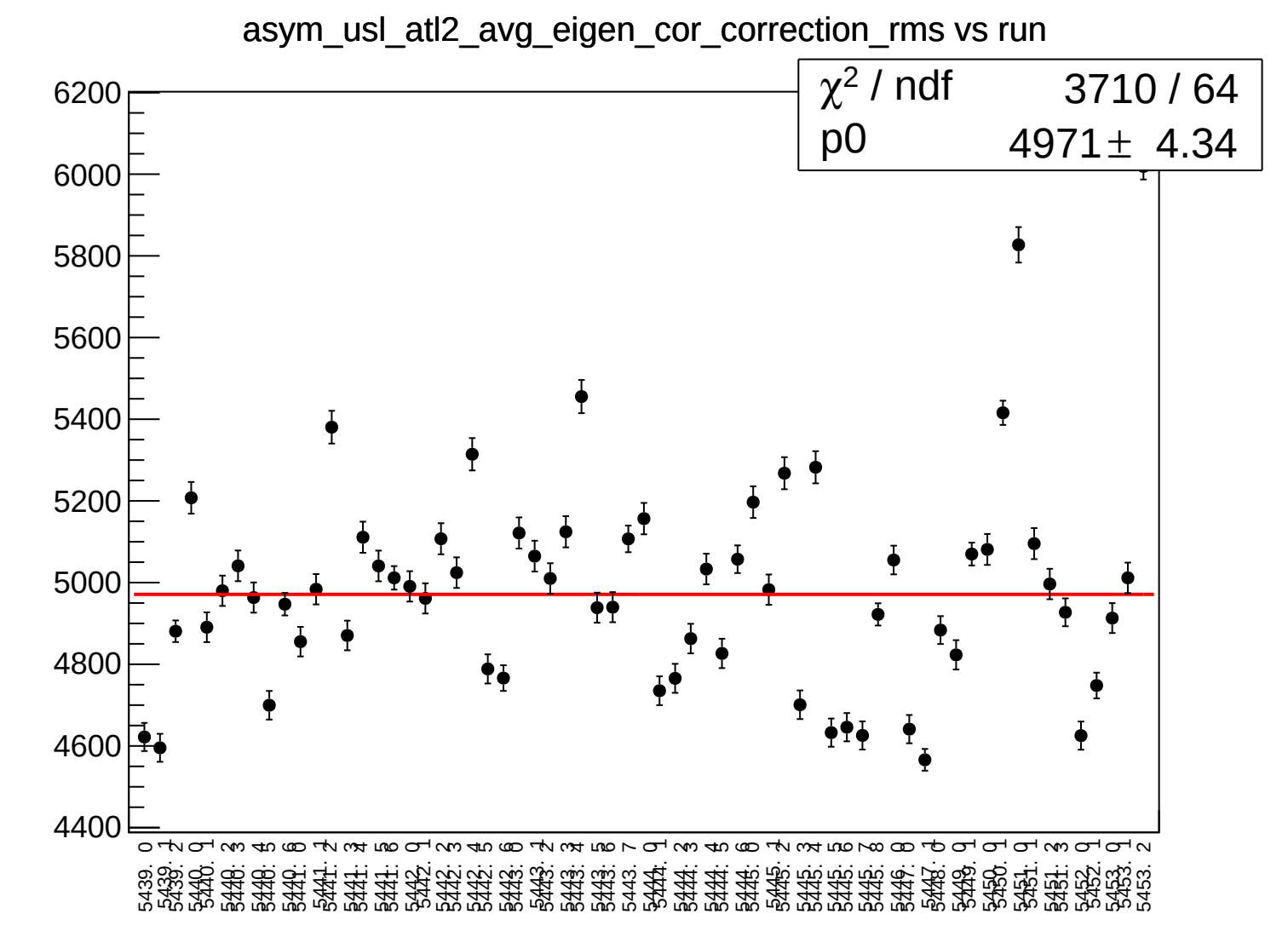

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 53.1 / 64
p0 3481 ± 2042
pull
Entries 65
Mean 44.38
Std Dev 36.39

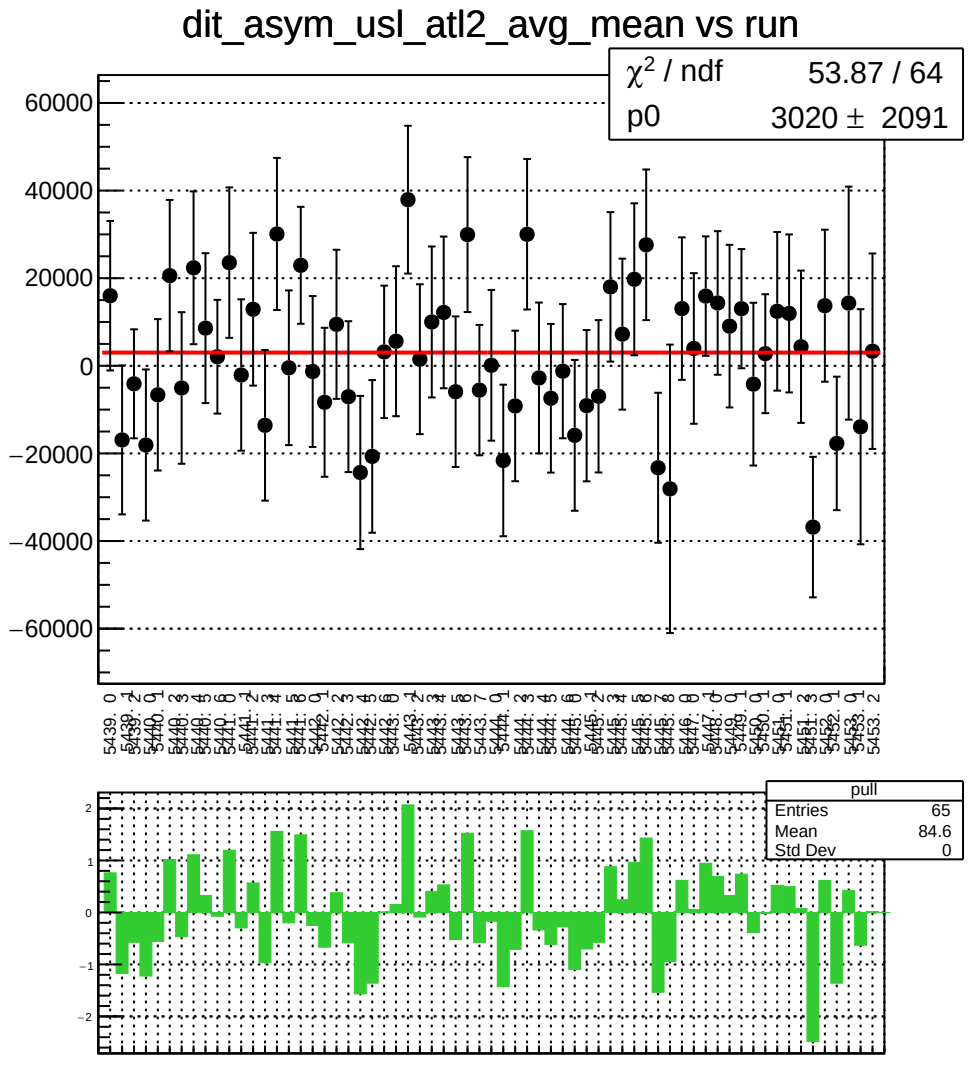

pull1D
Entries 65
Mean −0.01543
Std Dev 0.9037

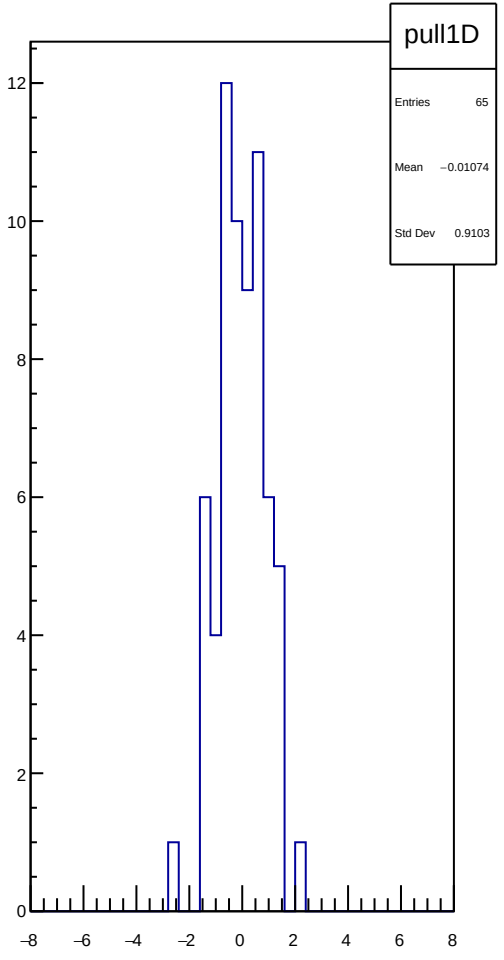

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 1.275e+04 / 64
p0 1648 ± 1.444
4000
3500
3000
2500
2000
1500

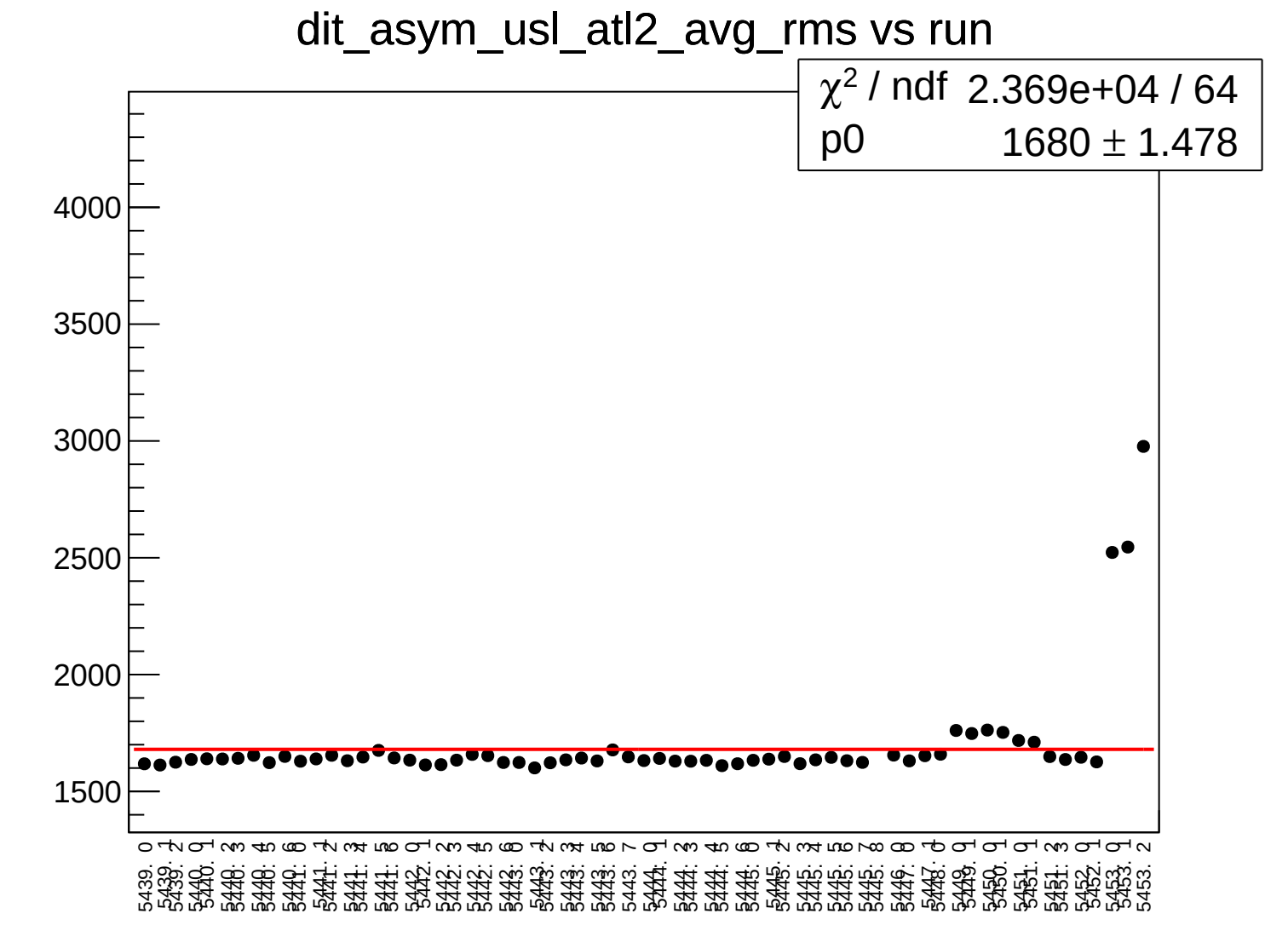

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.01 / 64
p0 −4142 ± 6138
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 26.44
Std Dev 50.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

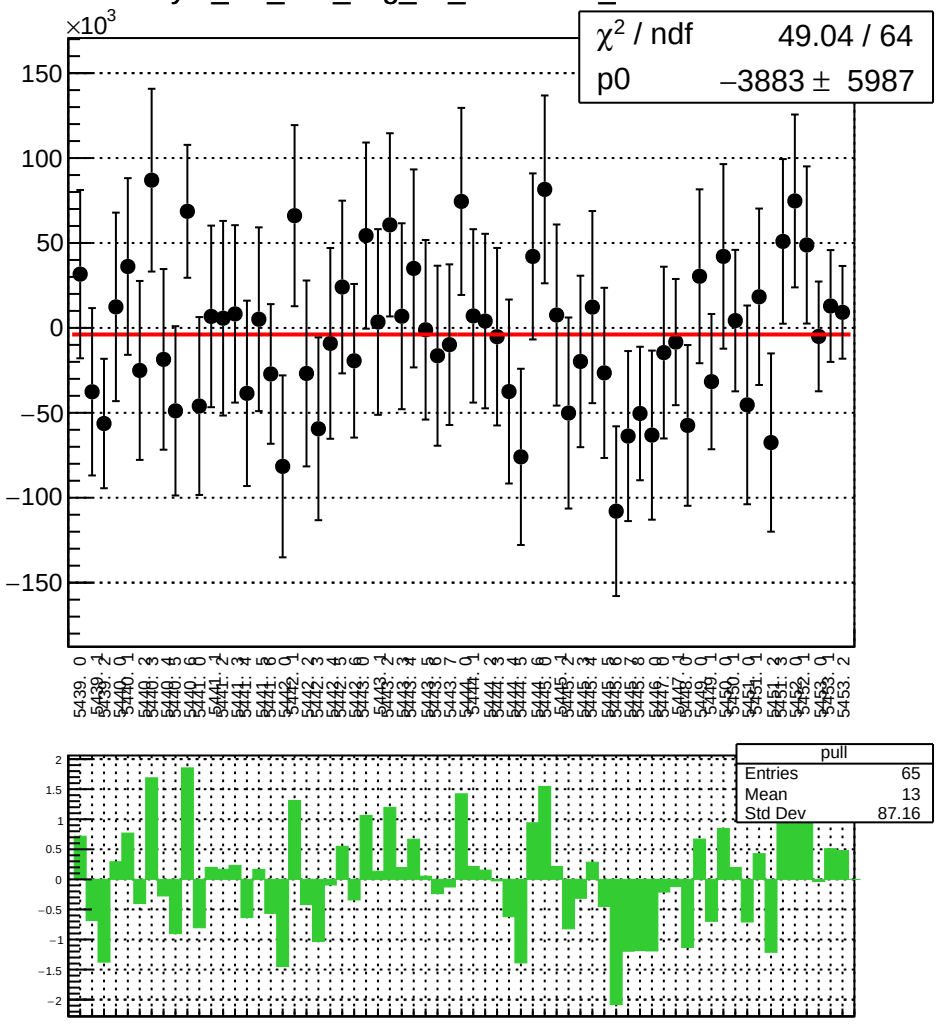

pull1D
Entries 65
Mean 0.01195
Std Dev 0.8771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

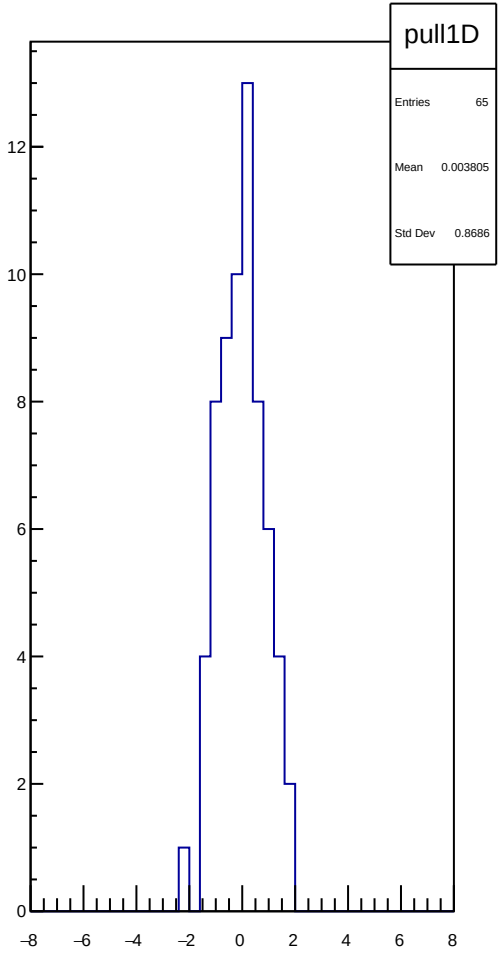

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3710 / 64
p0 4971 ± 4.34
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

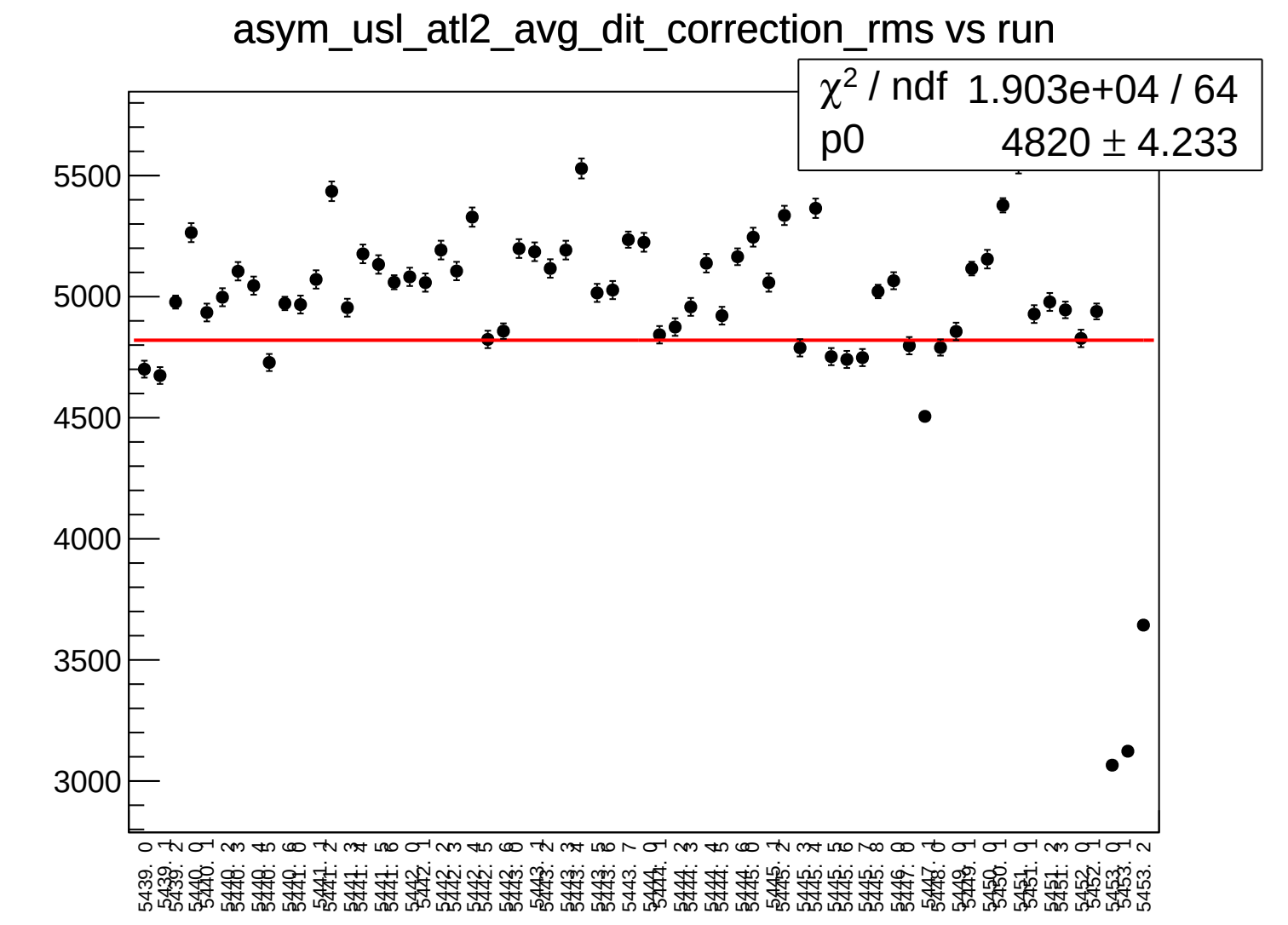

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 53.87 / 64
p0 3020 ± 2091
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 84.6
Std Dev 0
2
1
0
−1
−2

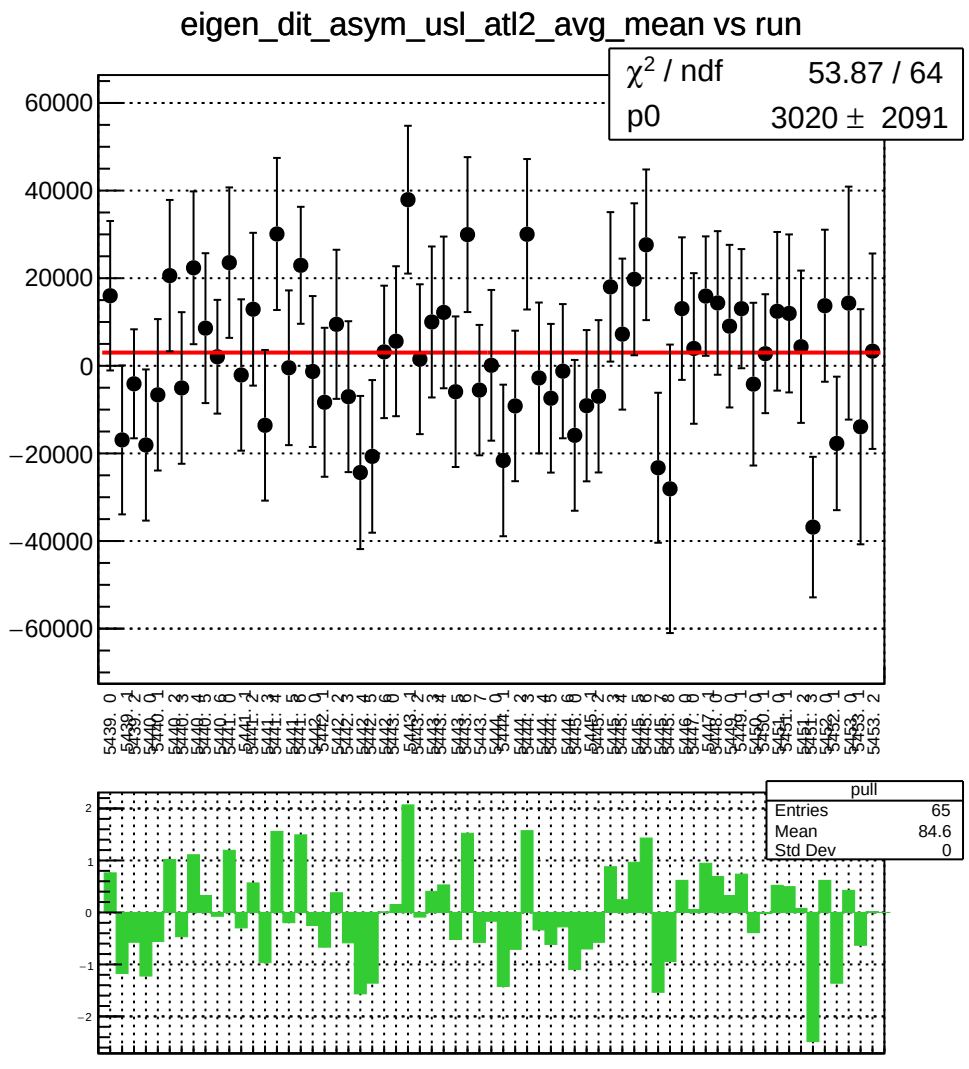

pull1D
Entries 65
Mean −0.01074
Std Dev 0.9103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

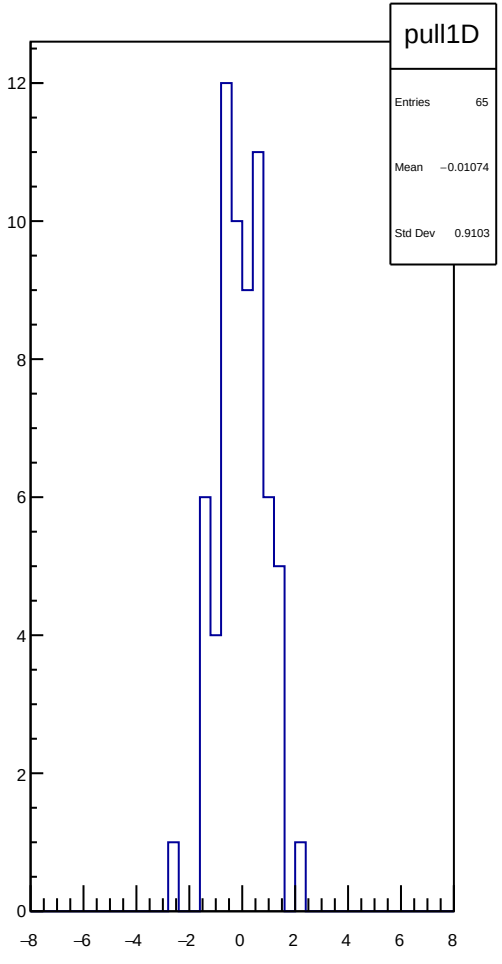

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 2.369e+04 / 64
p0 1680 ± 1.478
4000
3500
3000
2500
2000
1500

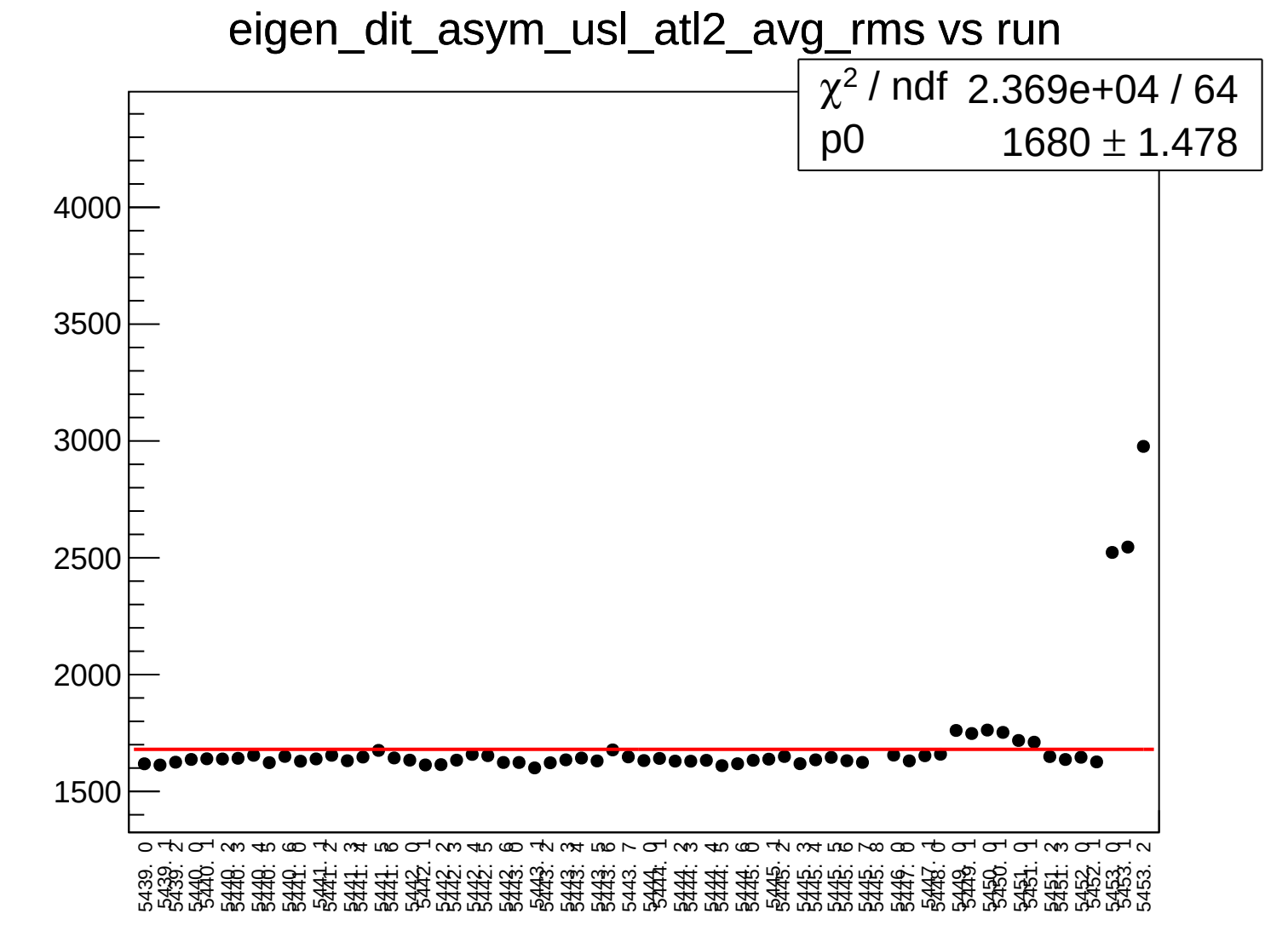

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 49.04 / 64
p0 −3883 ± 5987
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 13
Std Dev 87.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

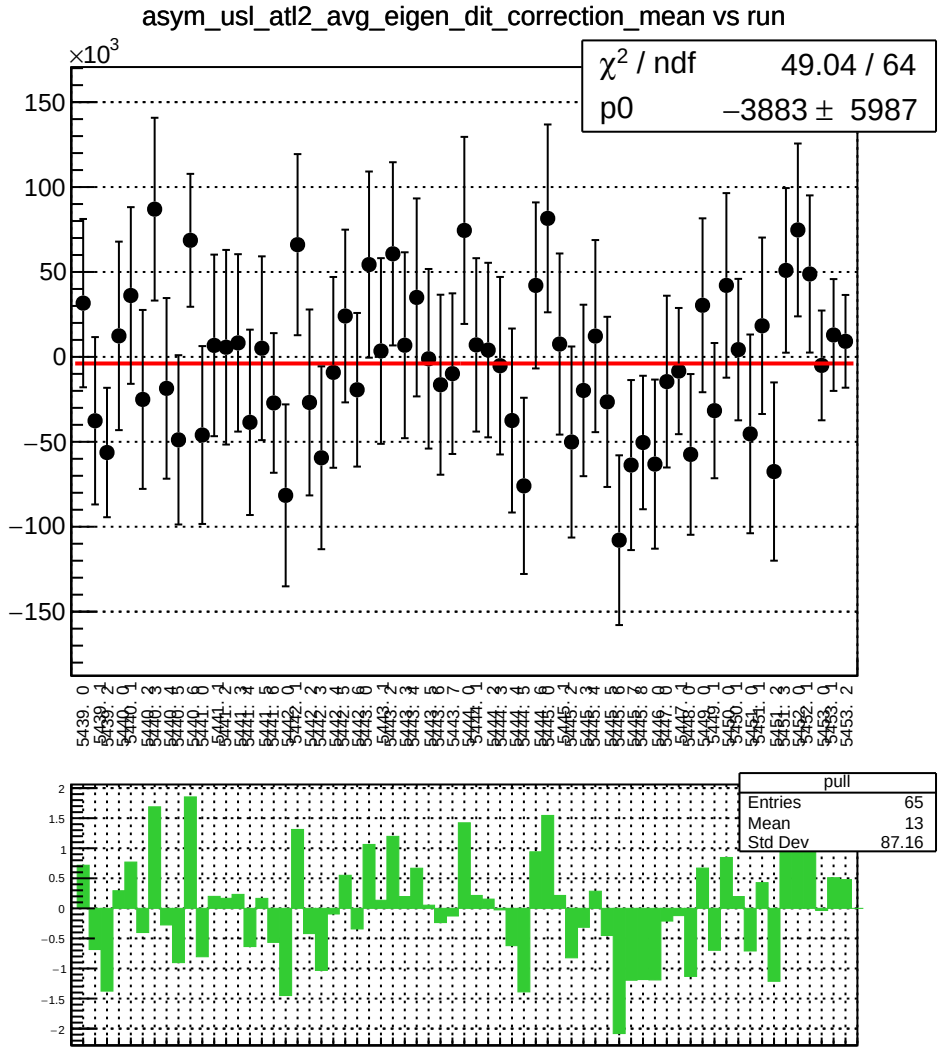

pull1D
Entries 65
Mean 0.003805
Std Dev 0.8686
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

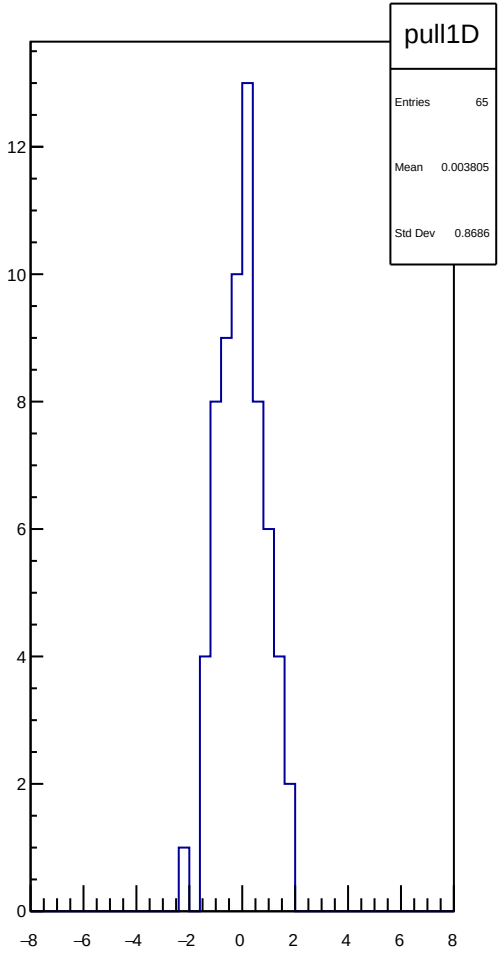

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 1.903e+04 / 64
p0 4820 ± 4.233
5500
5000
4500
4000
3500
3000

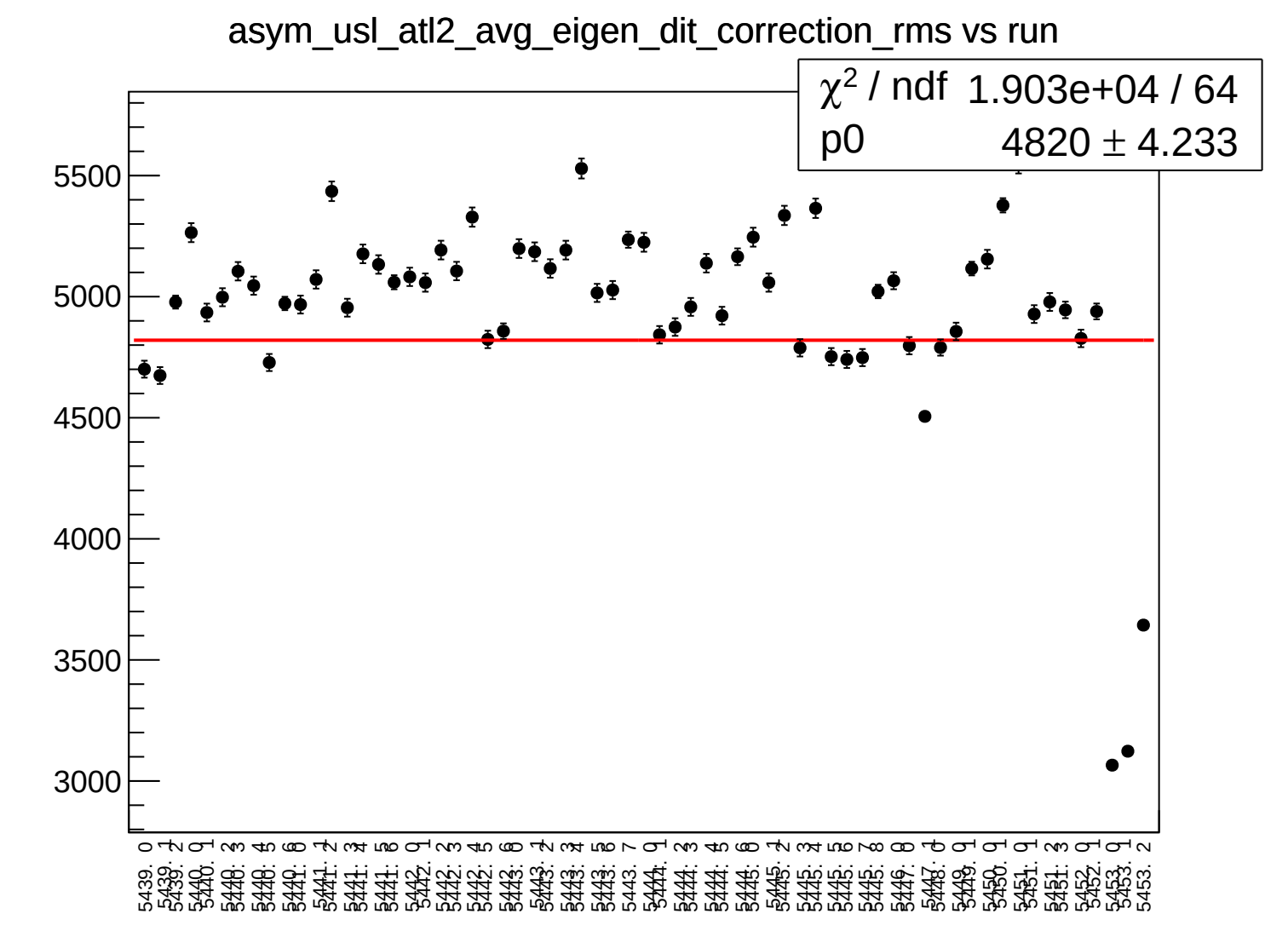

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 53.87 / 64
p0 3020 ± 2091
pull
Entries 65
Mean 84.6
Std Dev 0

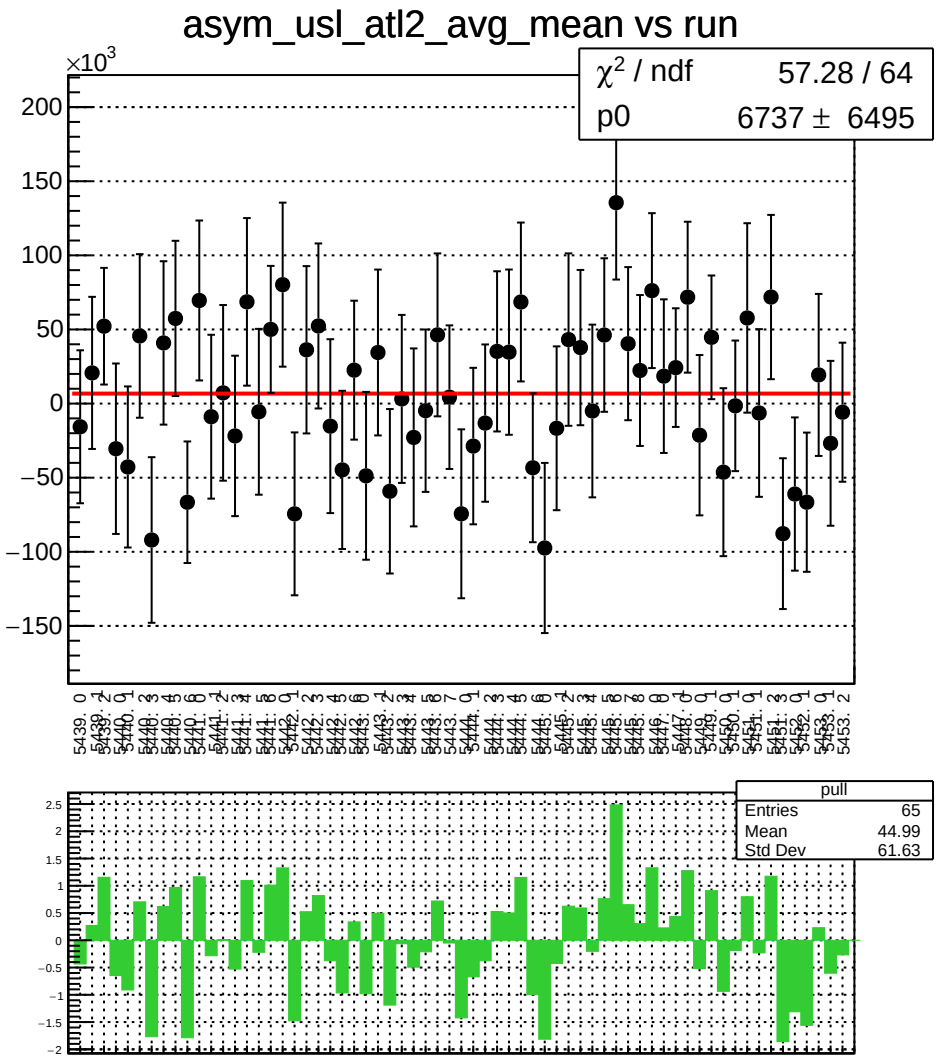

pull1D
Entries 65
Mean −0.01074
Std Dev 0.9103

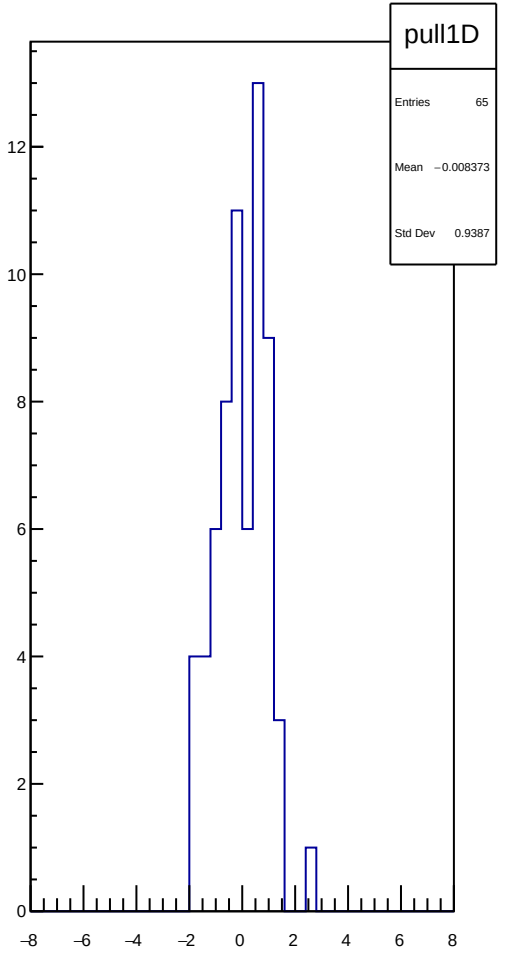

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 2.369e+04 / 64
p0 1680 ± 1.478
4000
3500
3000
2500
2000
1500

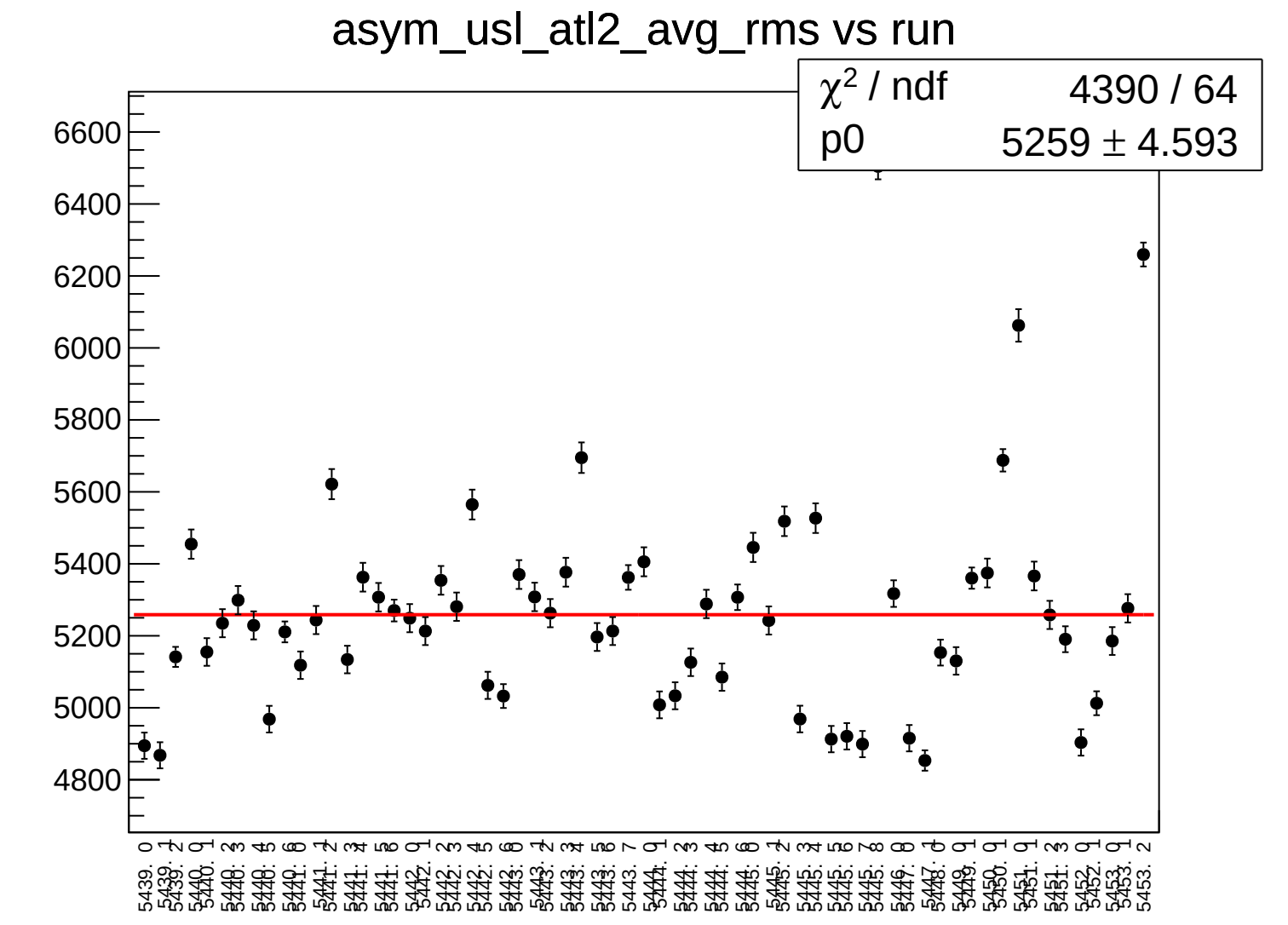

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.04 / 64
p0 −3883 ± 5987
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 13
Std Dev 87.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

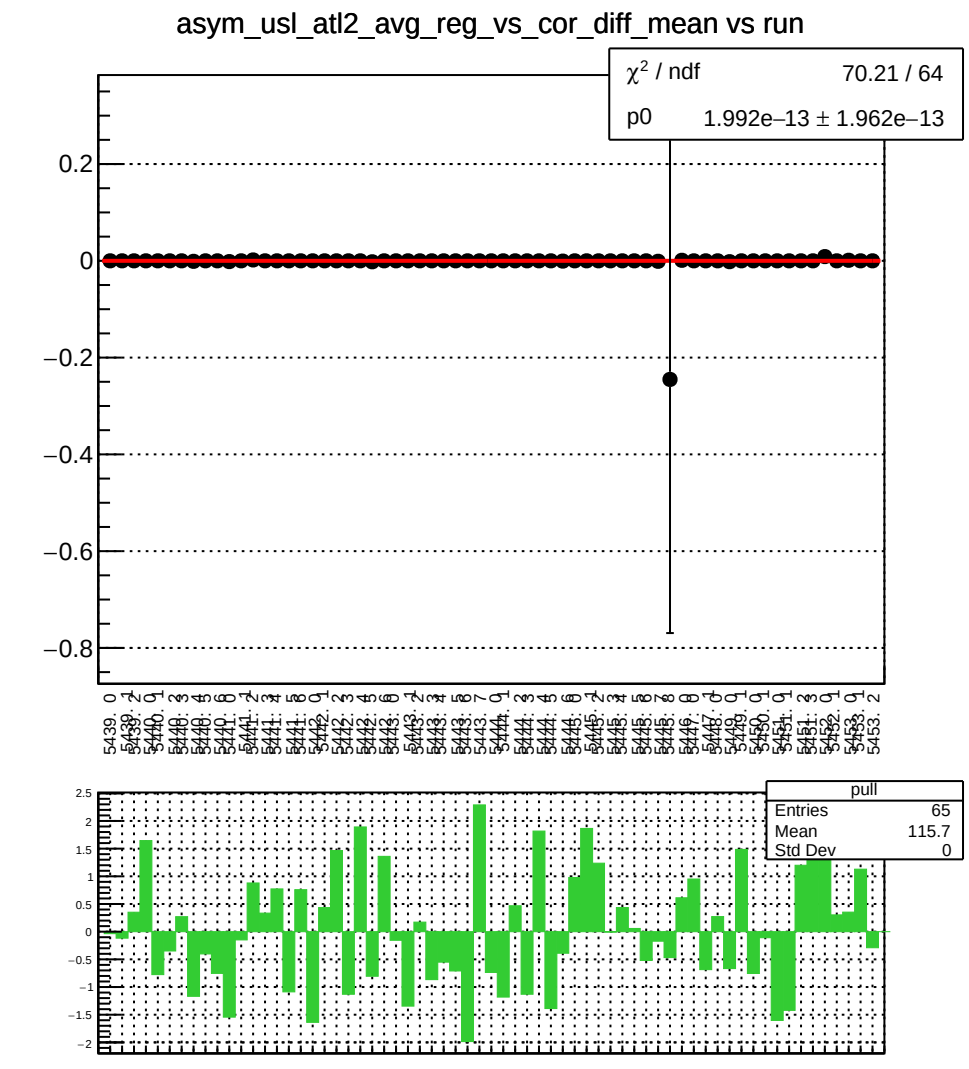

pull1D
Entries 65
Mean 0.003805
Std Dev 0.8686
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

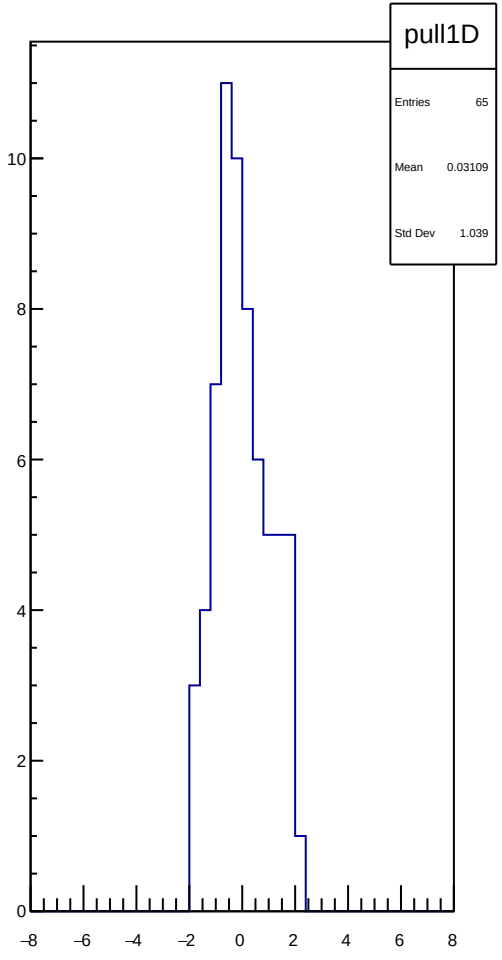

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.903e+04 / 64
p0 4820 ± 4.233
5500
5000
4500
4000
3500
3000

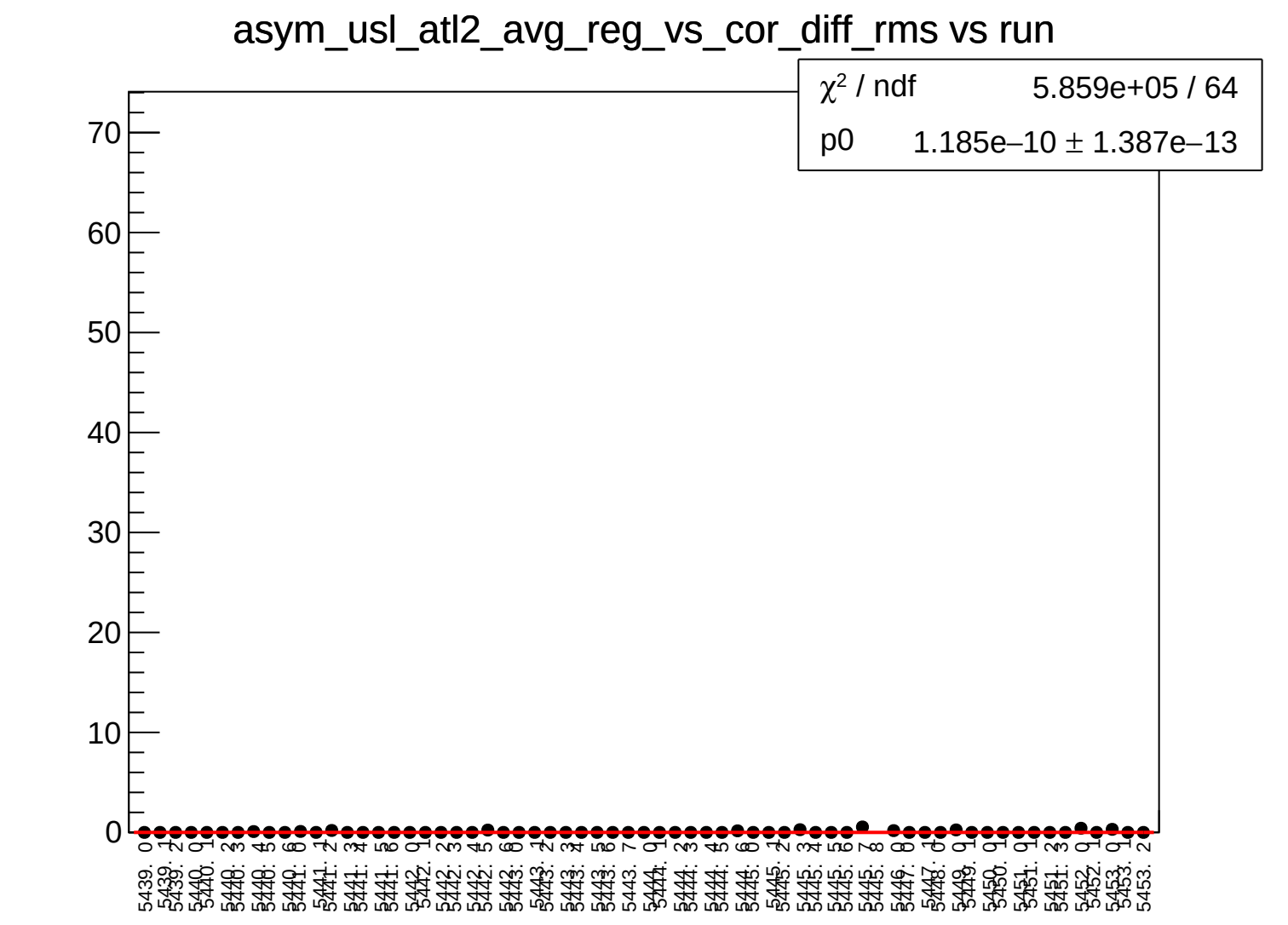

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 57.28 / 64
p0 6737 ± 6495
pull
Entries 65
Mean 44.99
Std Dev 61.63

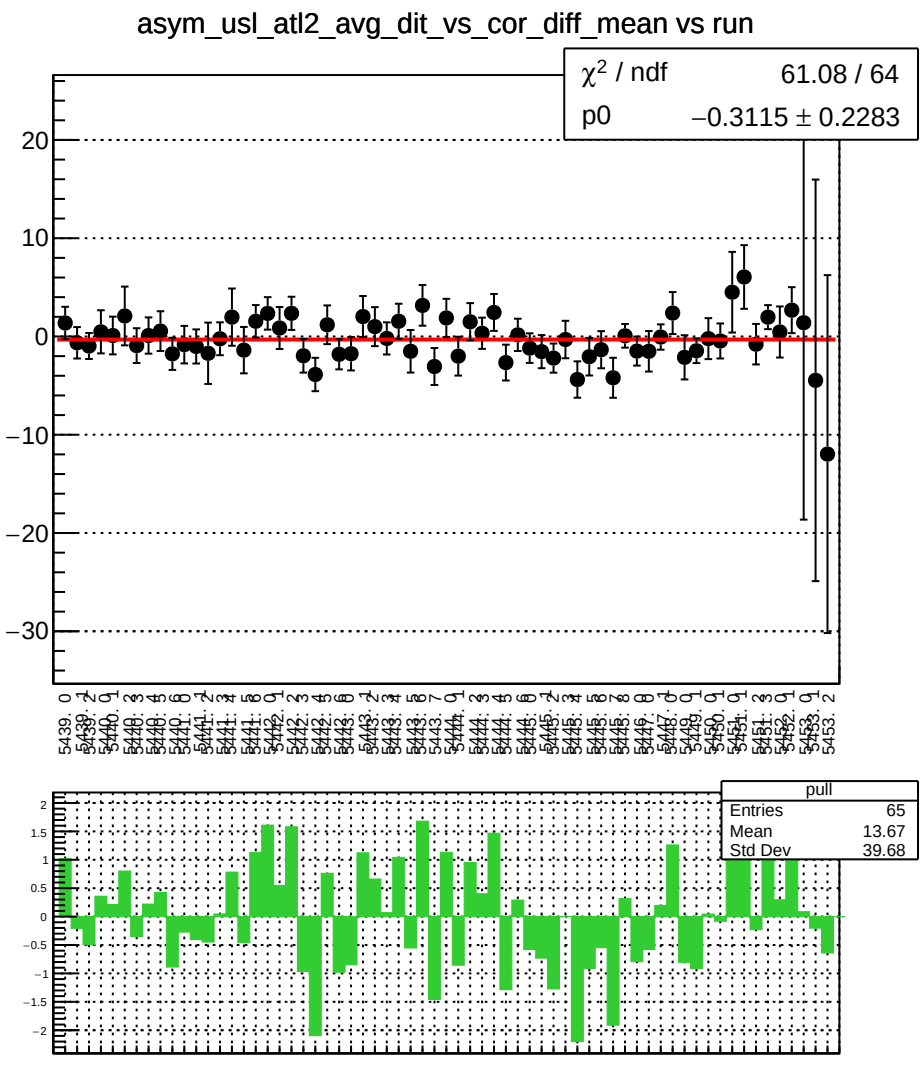

pull1D
Entries 65
Mean −0.008373
Std Dev 0.9387

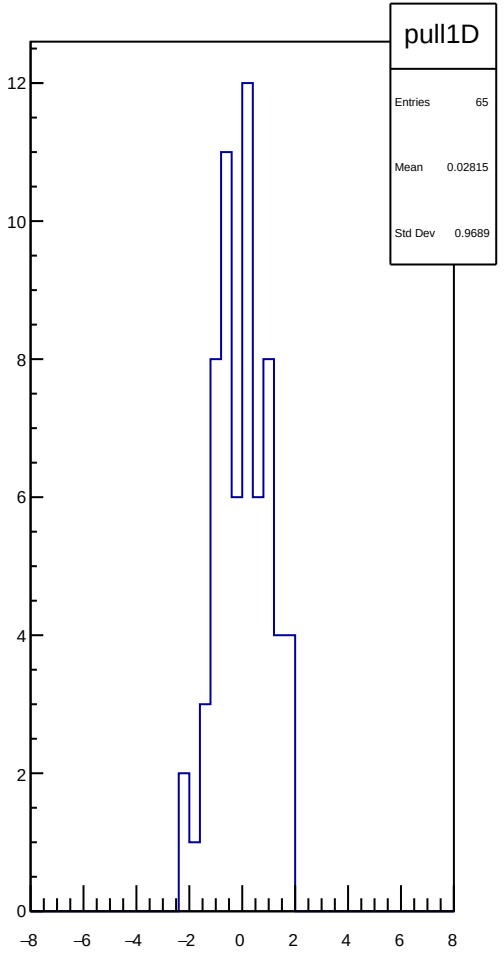

asym_usl_atl2_avg_rms vs run
χ² / ndf 4390 / 64
p0 5259 ± 4.593
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

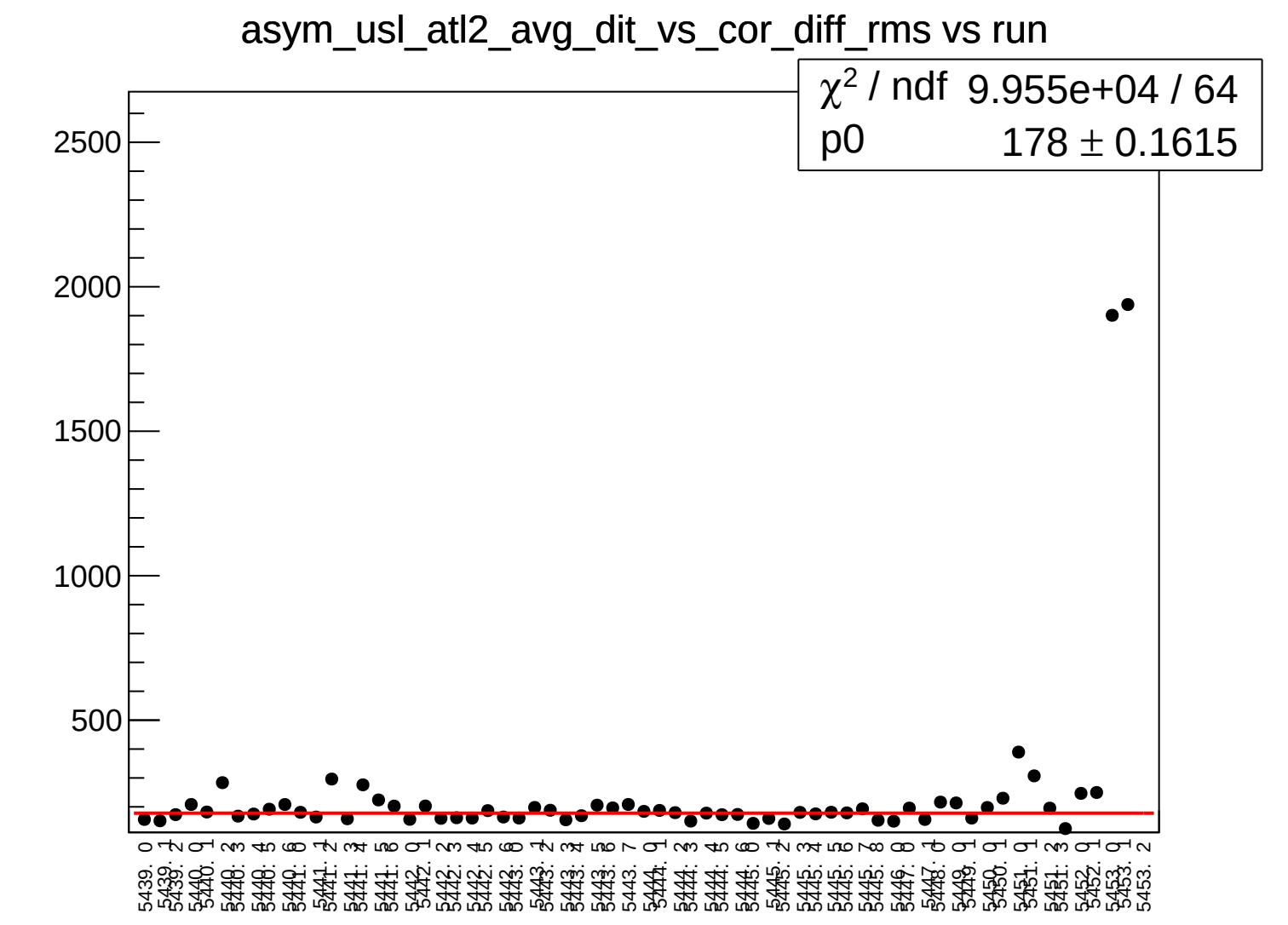

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 70.21 / 64
p0 1.992e−13 ± 1.962e−13
pull
Entries 65
Mean 115.7
Std Dev 0

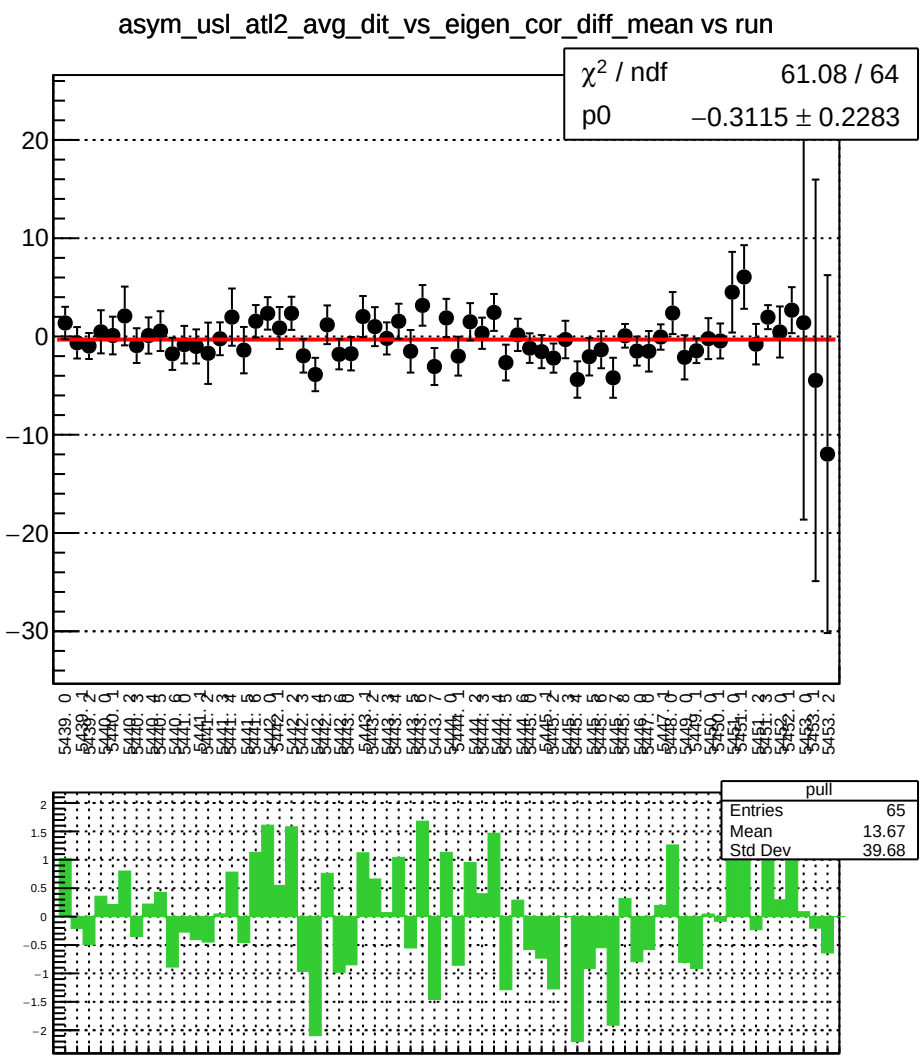

pull1D
Entries 65
Mean 0.03109
Std Dev 1.039

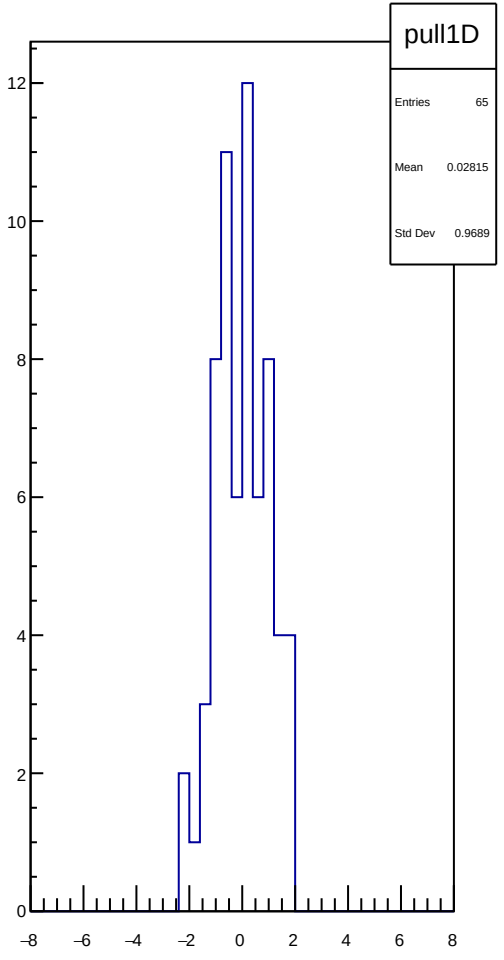

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.859e+05 / 64
p0 1.185e−10 ± 1.387e−13
70
60
50
40
30
20
10
0

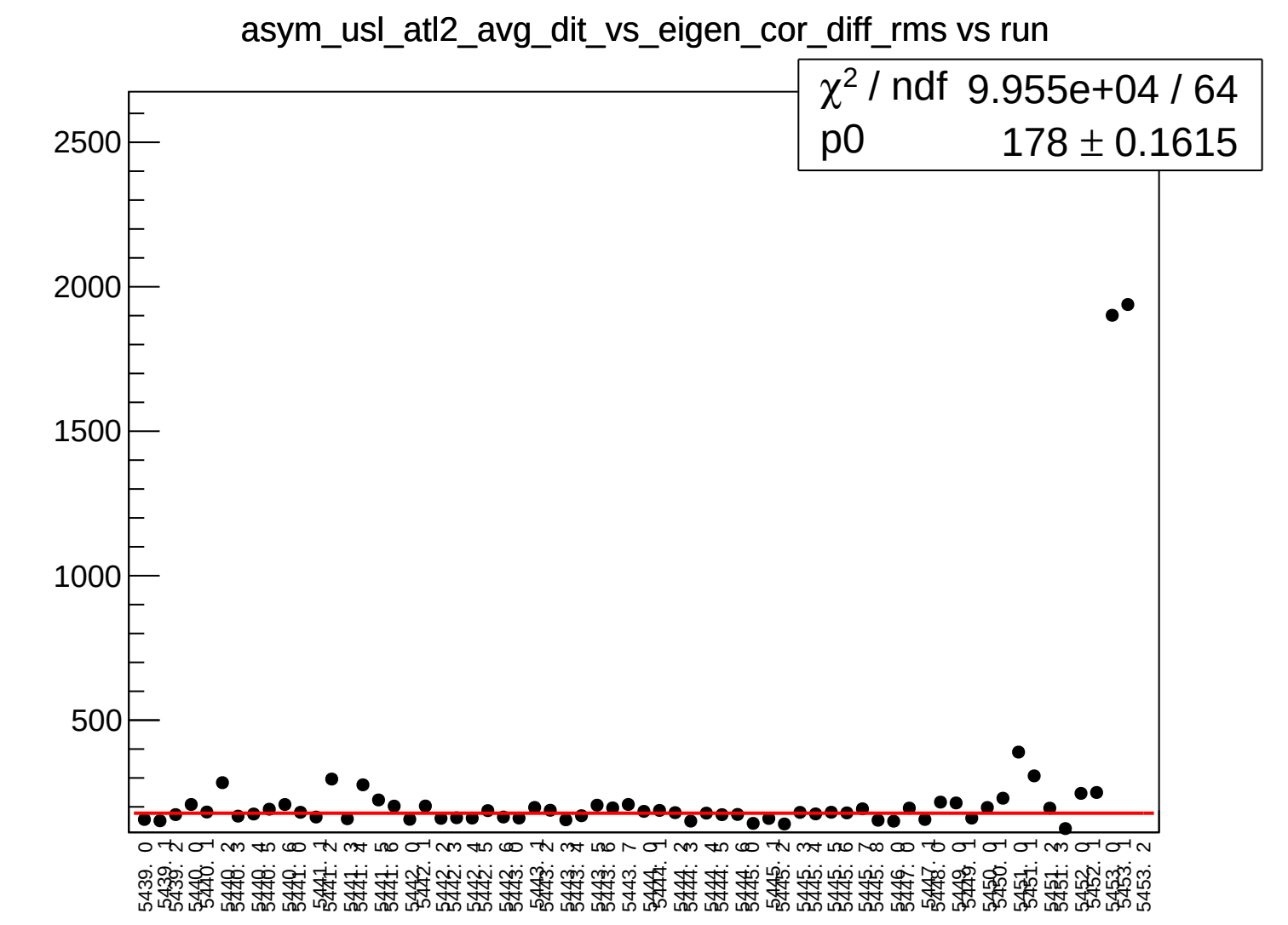

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.08 / 64
p0 −0.3115 ± 0.2283
pull
Entries 65
Mean 13.67
Std Dev 39.68

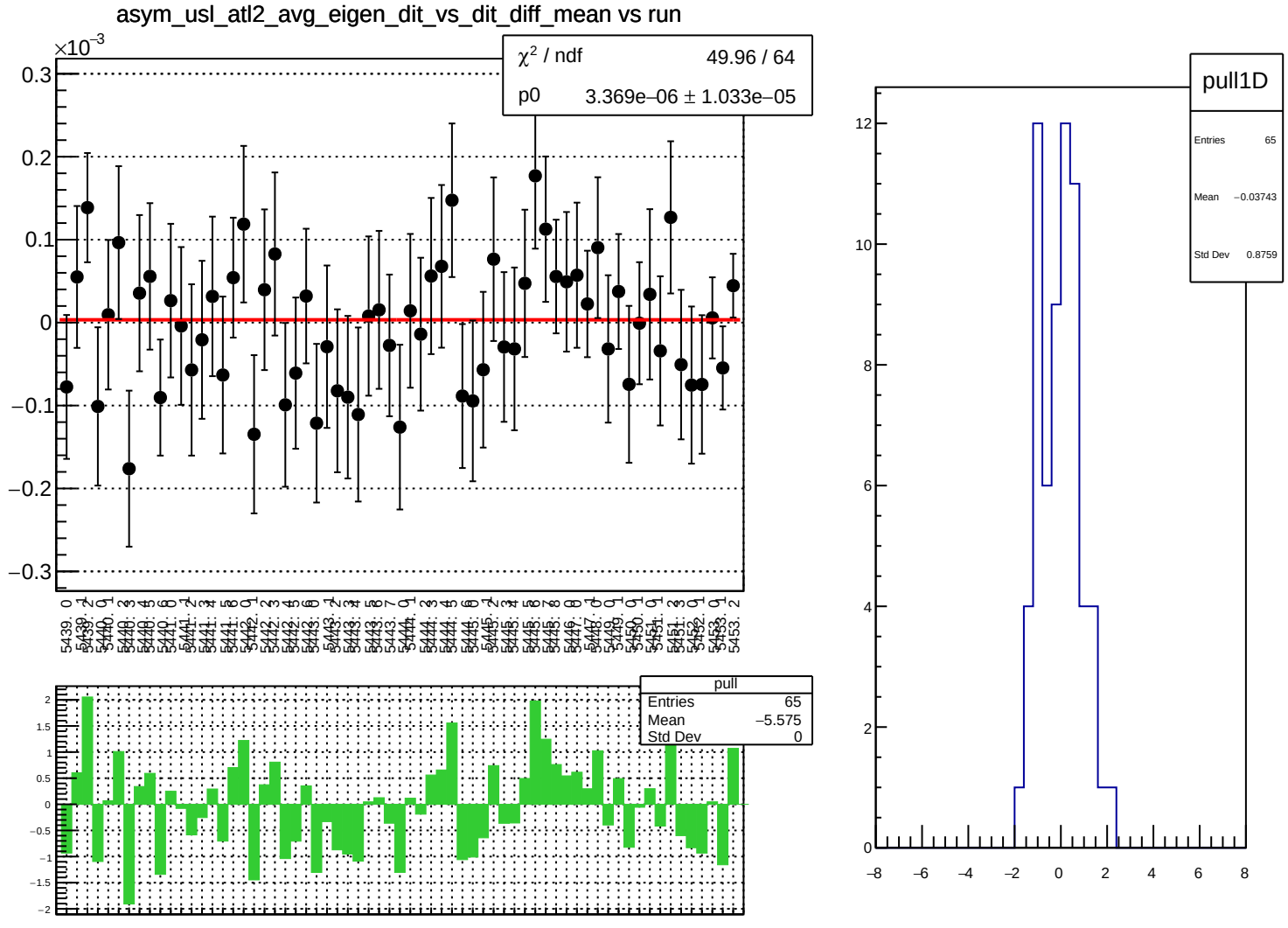

pull1D
Entries 65
Mean 0.02815
Std Dev 0.9689

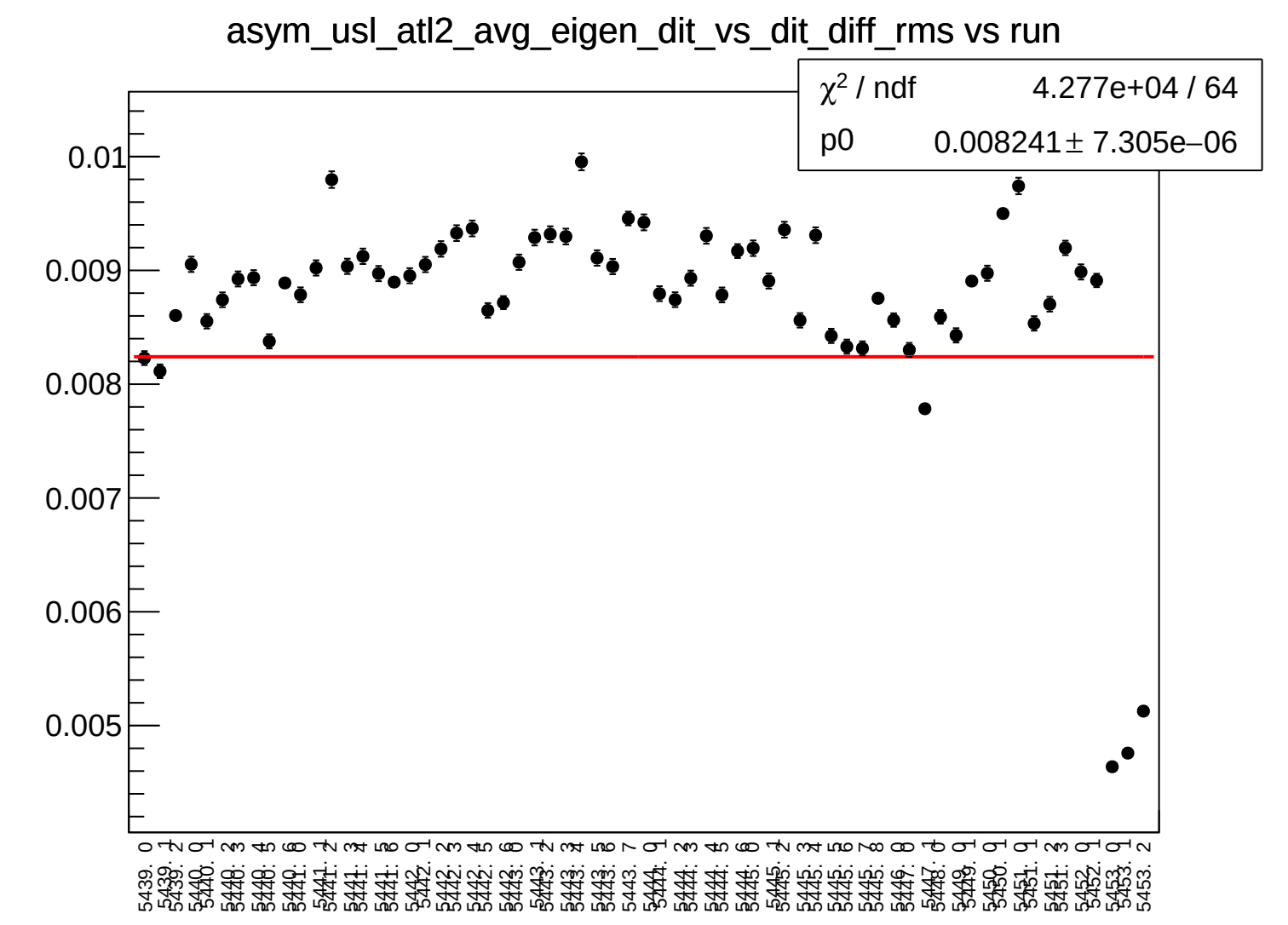

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.955e+04 / 64
p0 178 ± 0.1615
2500
2000
1500
1000
500

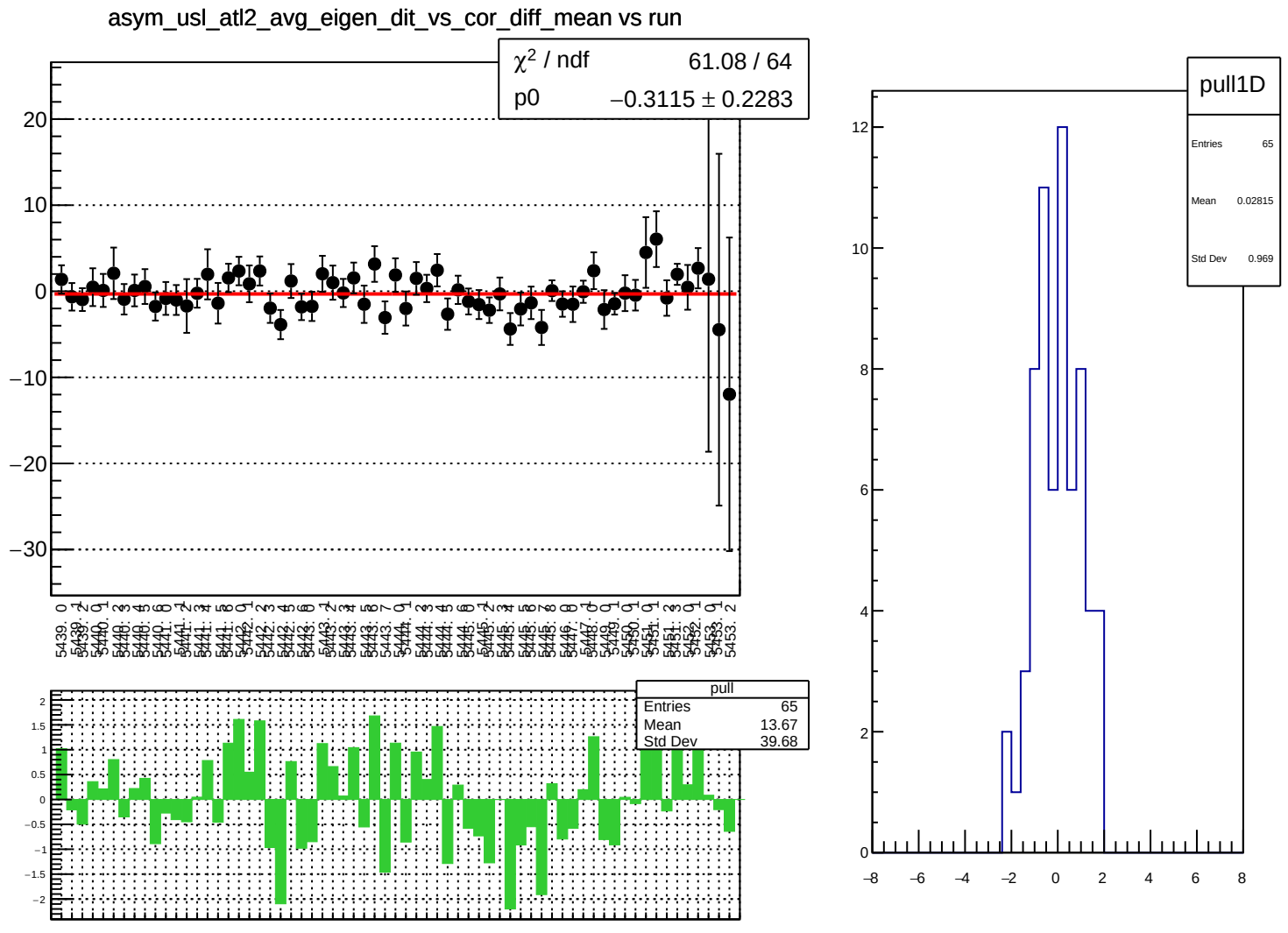

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.08 / 64
p0 −0.3115 ± 0.2283
pull
Entries 65
Mean 13.67
Std Dev 39.68

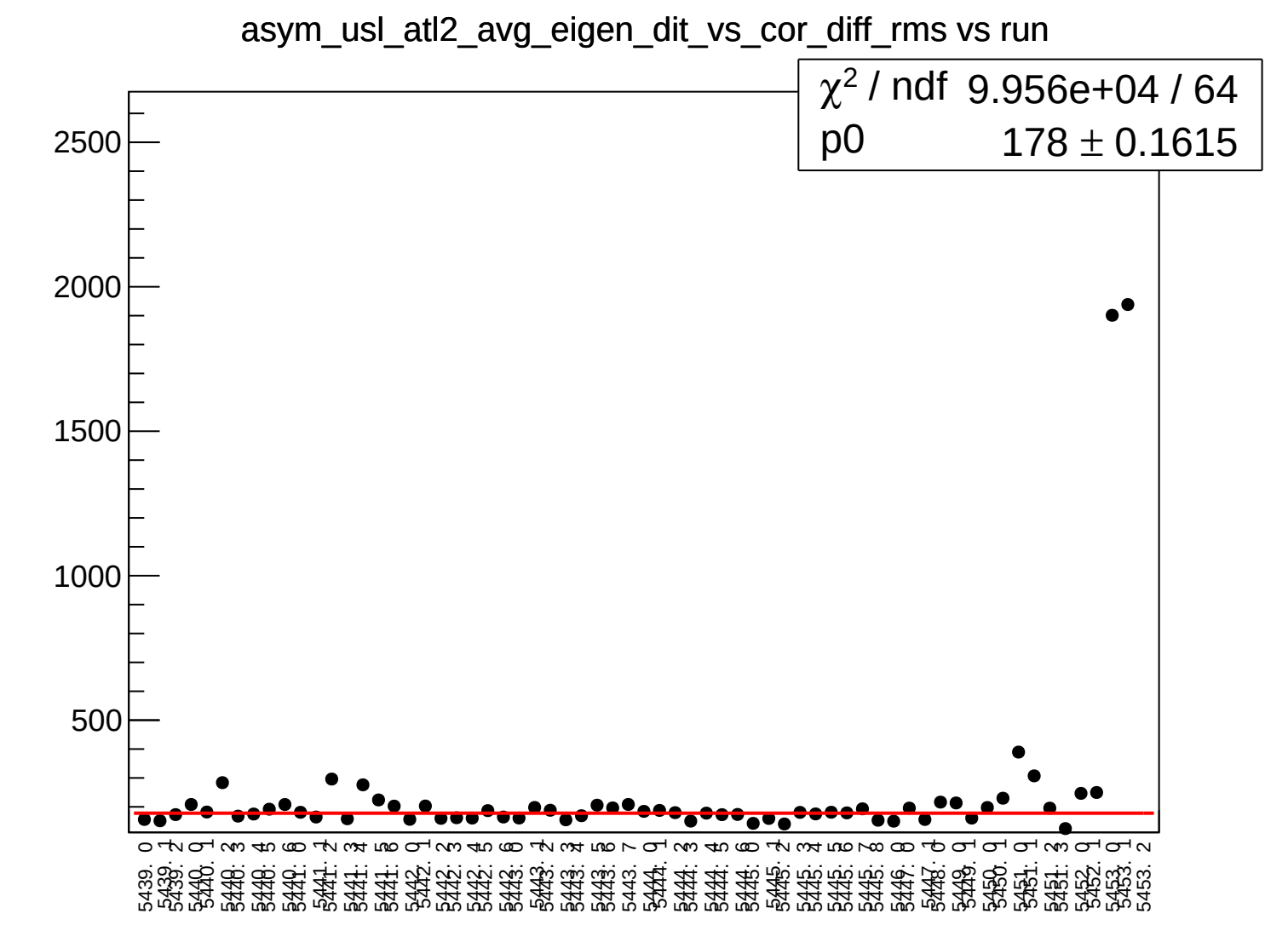

pull1D
Entries 65
Mean 0.02815
Std Dev 0.9689

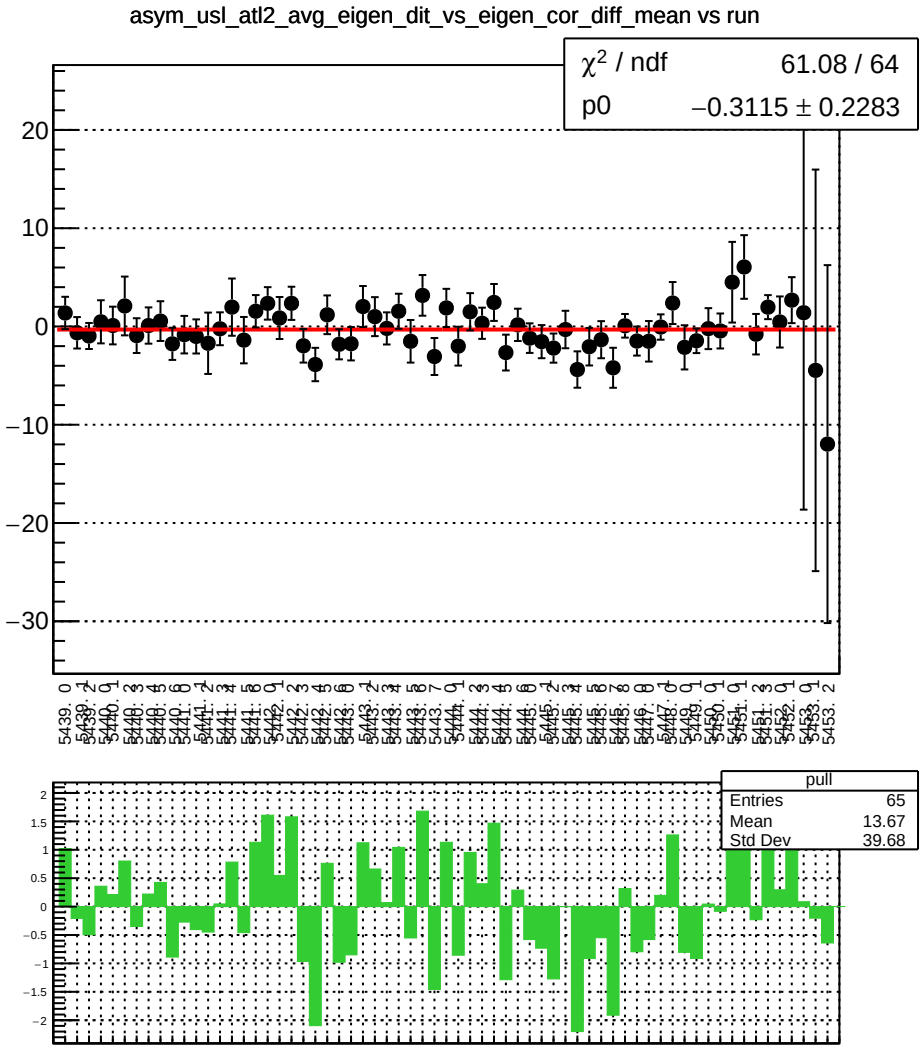

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.955e+04 / 64
p0 178 ± 0.1615
2500
2000
1500
1000
500

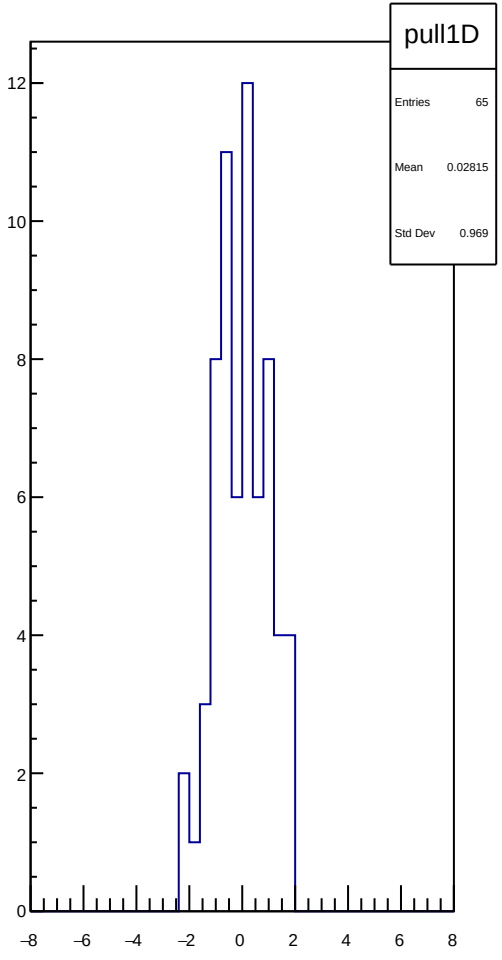

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.96 / 64
p0 3.369e−06 ± 1.033e−05
pull
Entries 65
Mean −5.575
Std Dev 0
pull1D
Entries 65
Mean −0.03743
Std Dev 0.8759

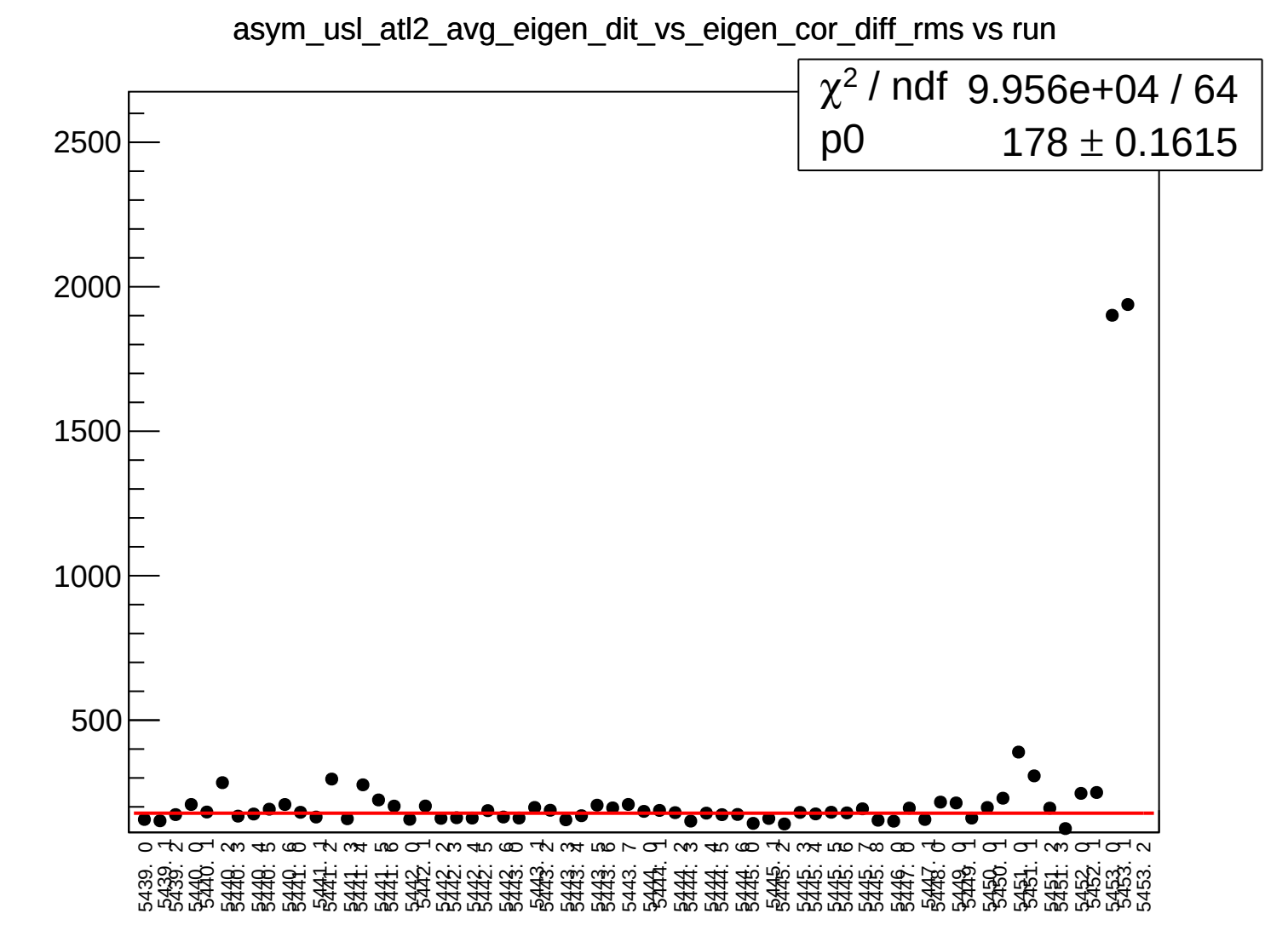

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.277e+04 / 64
p0 0.008241 ± 7.305e−06
0.01
0.009
0.008
0.007
0.006
0.005

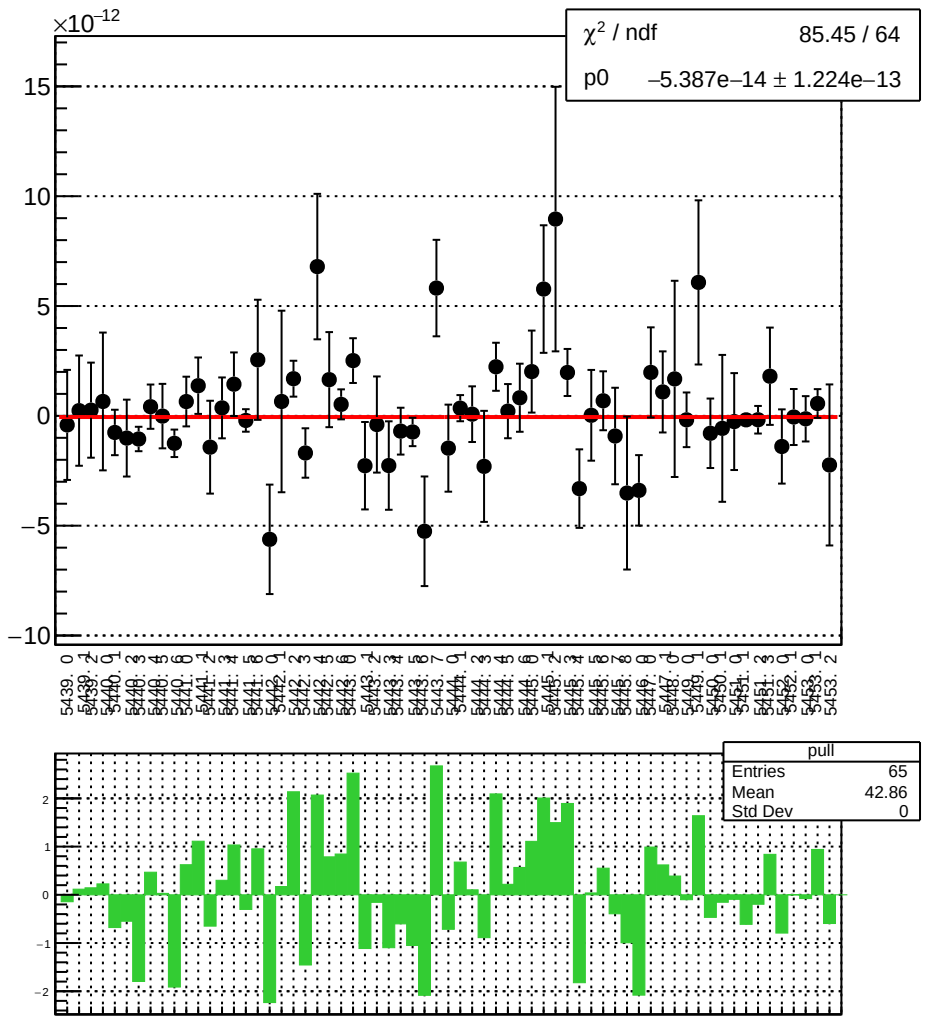

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.08 / 64
p0 −0.3115 ± 0.2283
pull
Entries 65
Mean 13.67
Std Dev 39.68
pull1D
Entries 65
Mean 0.02815
Std Dev 0.969

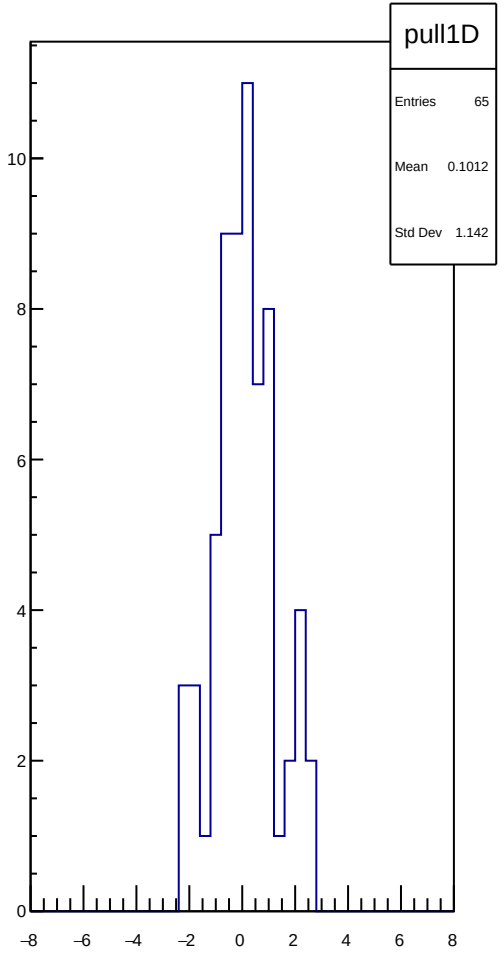

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.956e+04 / 64
p0 178 ± 0.1615
2500
2000
1500
1000
500

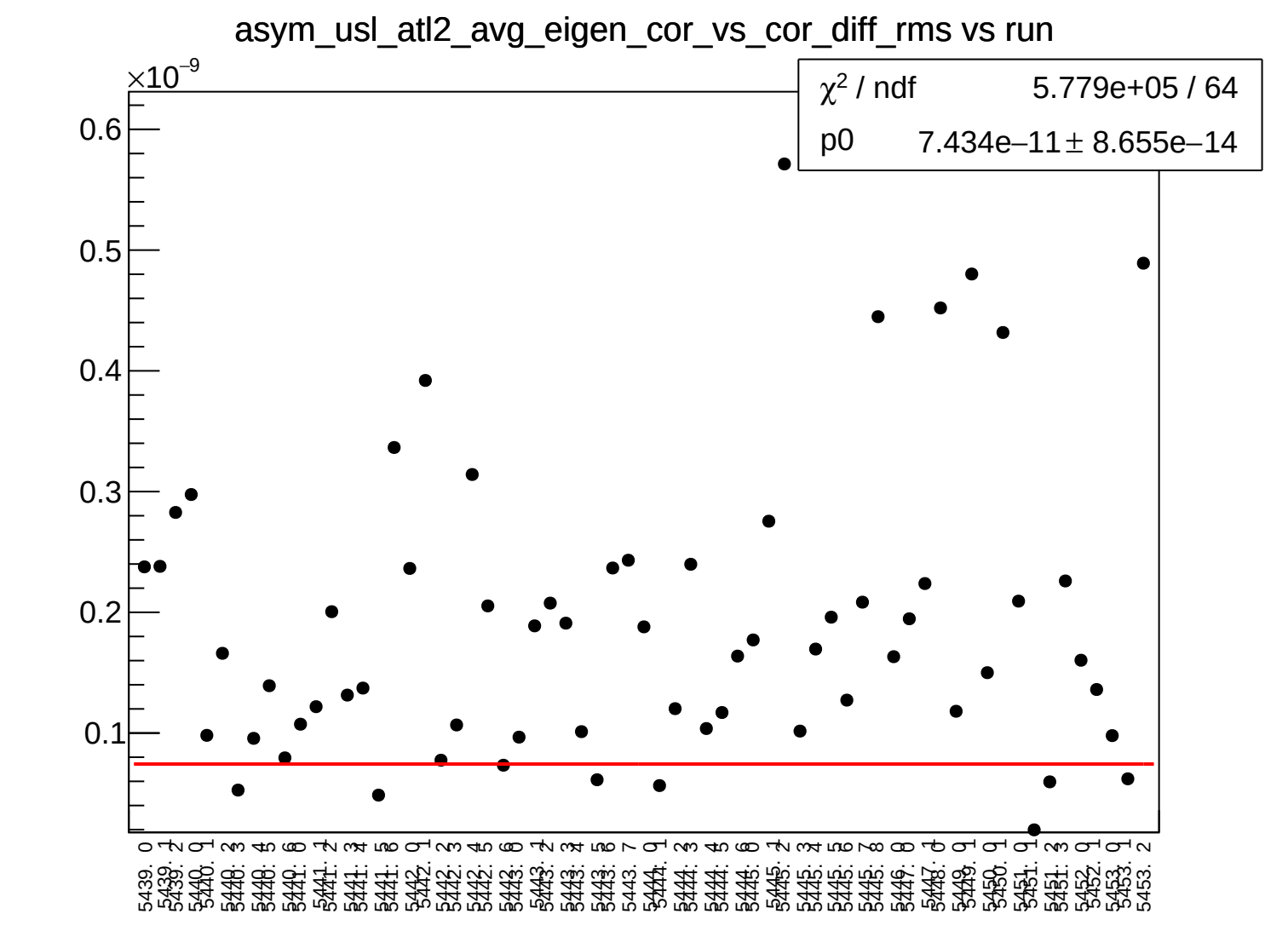

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.08 / 64
p0 −0.3115 ± 0.2283
pull
Entries 65
Mean 13.67
Std Dev 39.68

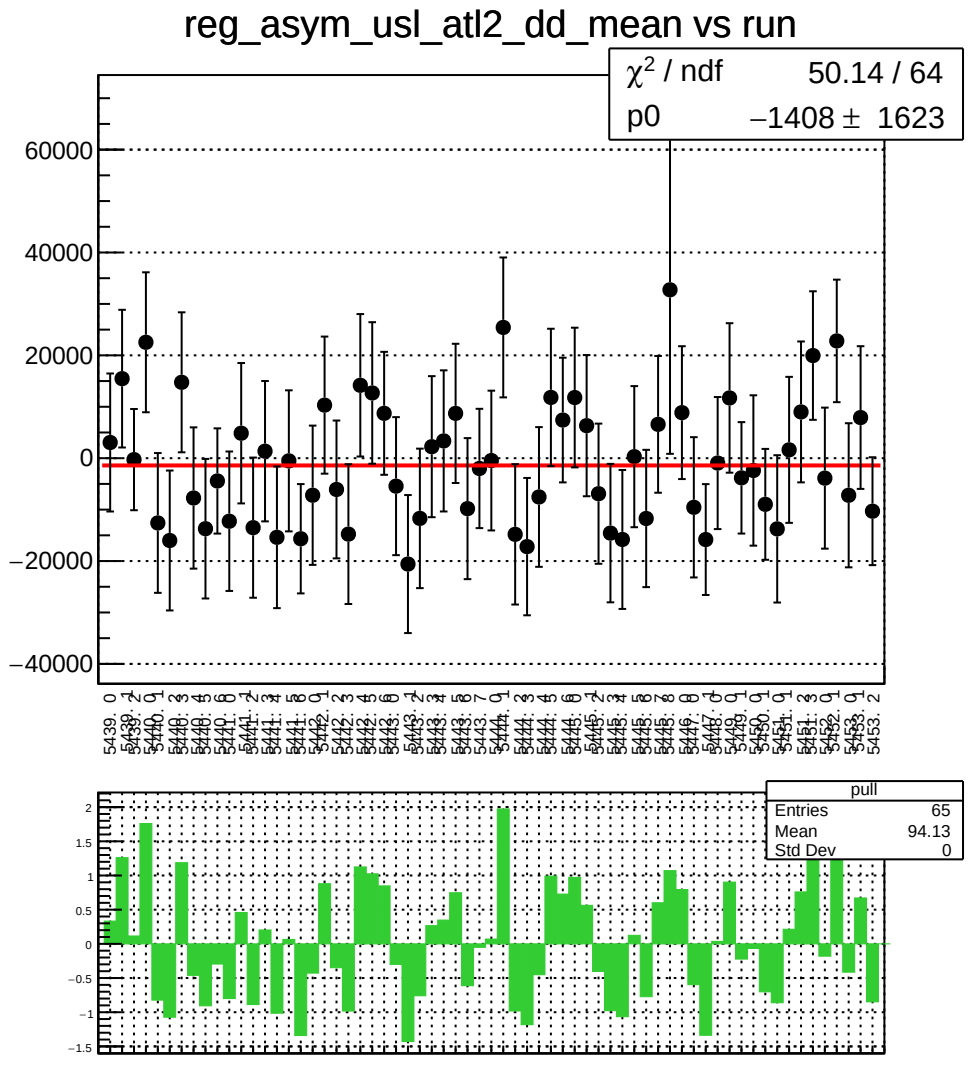

pull1D
Entries 65
Mean 0.02815
Std Dev 0.969

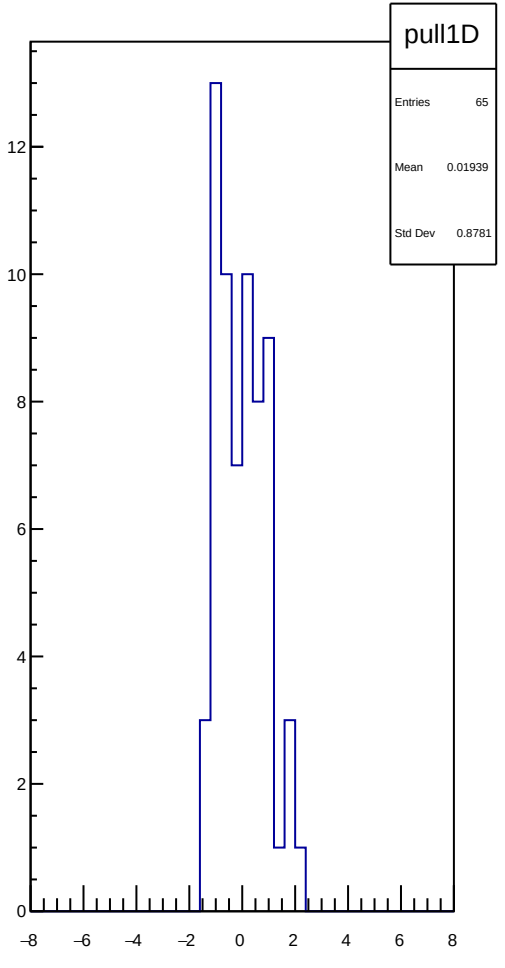

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.956e+04 / 64
p0 178 ± 0.1615
2500
2000
1500
1000
500

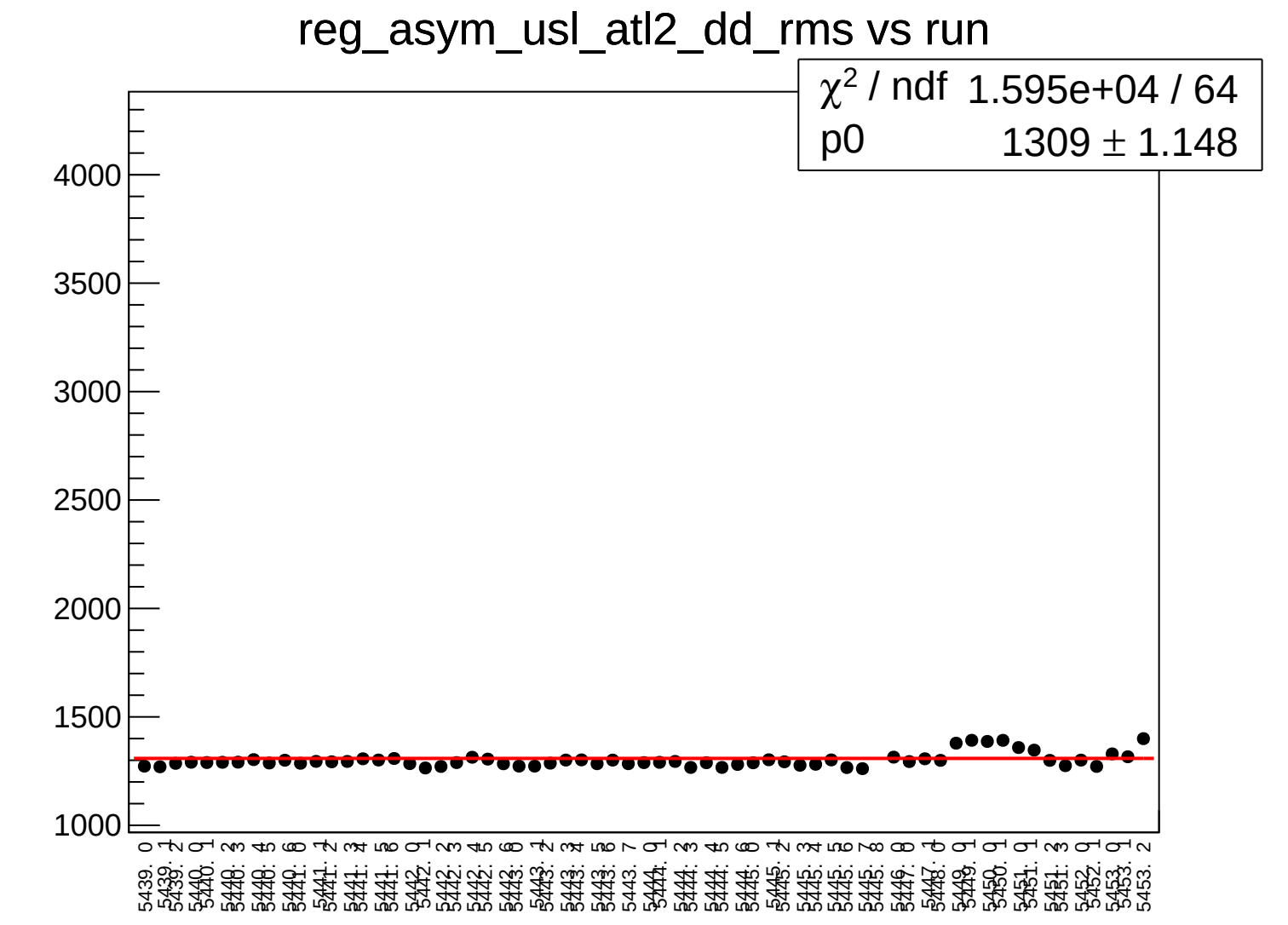

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.45 / 64
p0 −5.387e−14 ± 1.224e−13
pull
Entries 65
Mean 42.86
Std Dev 0

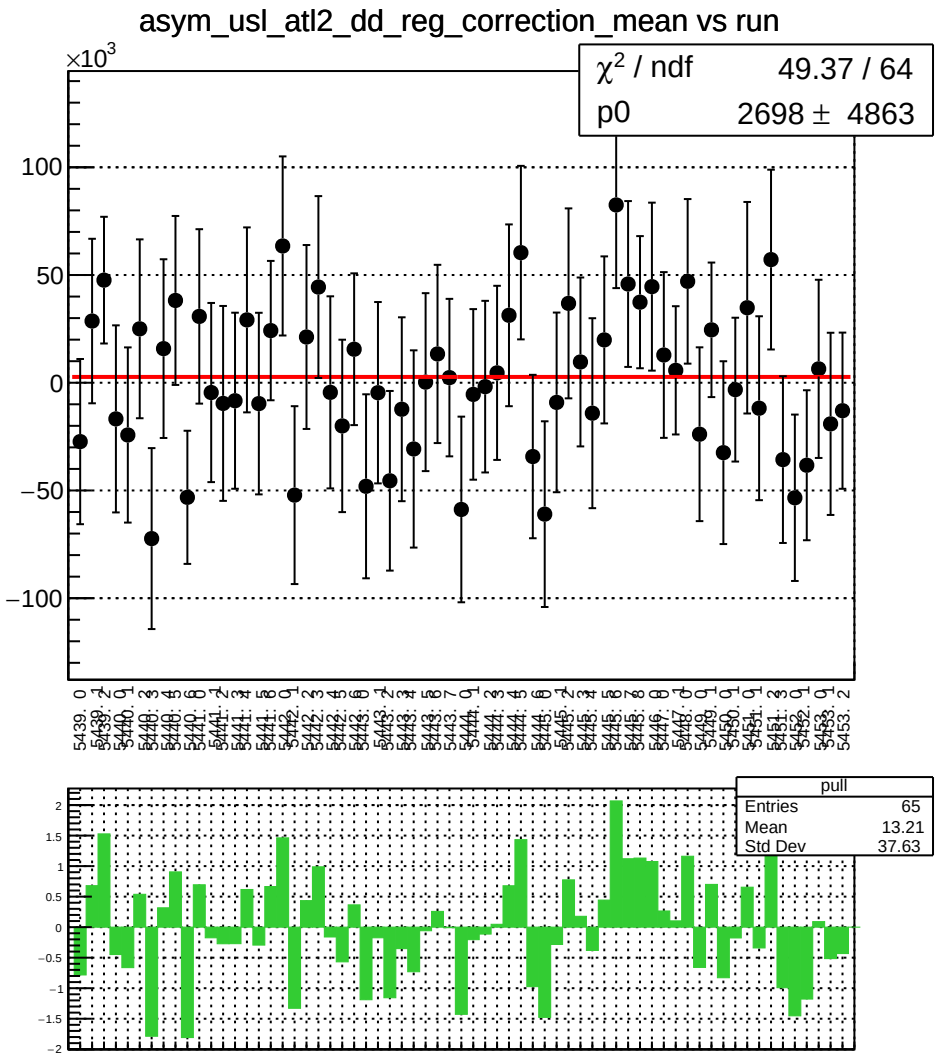

pull1D
Entries 65
Mean 0.1012
Std Dev 1.142

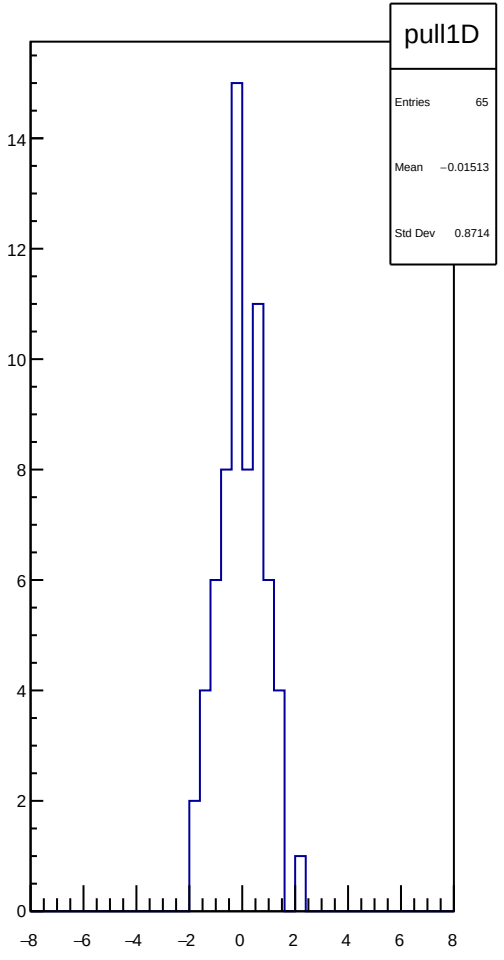

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.779e+05 / 64
p0 7.434e−11 ± 8.655e−14
0.6
0.5
0.4
0.3
0.2
0.1

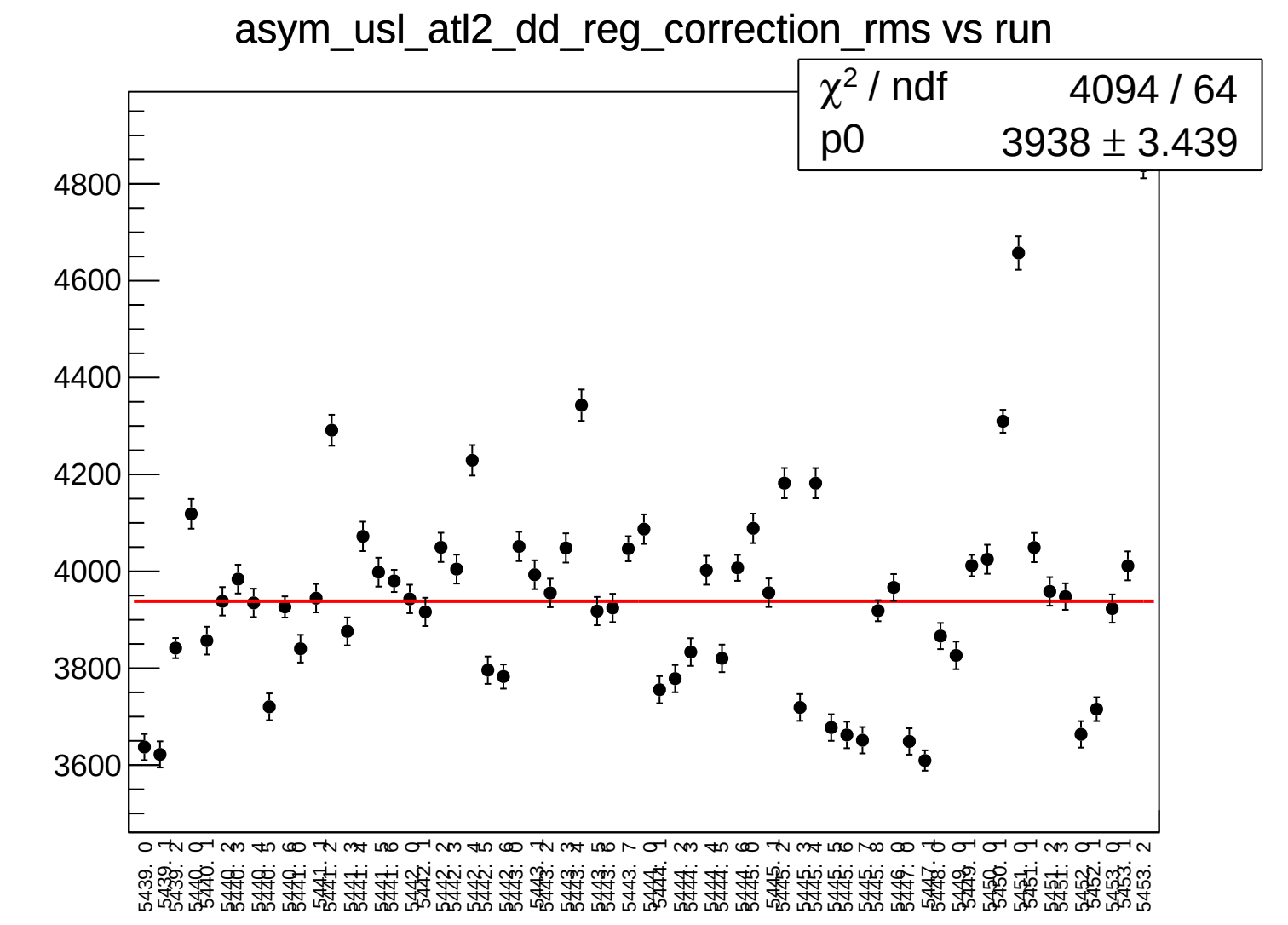

reg_asym_usl_atl2_dd_mean vs run
χ^2 / ndf 50.14 / 64
p0 −1408 ± 1623
pull
Entries 65
Mean 94.13
Std Dev 0

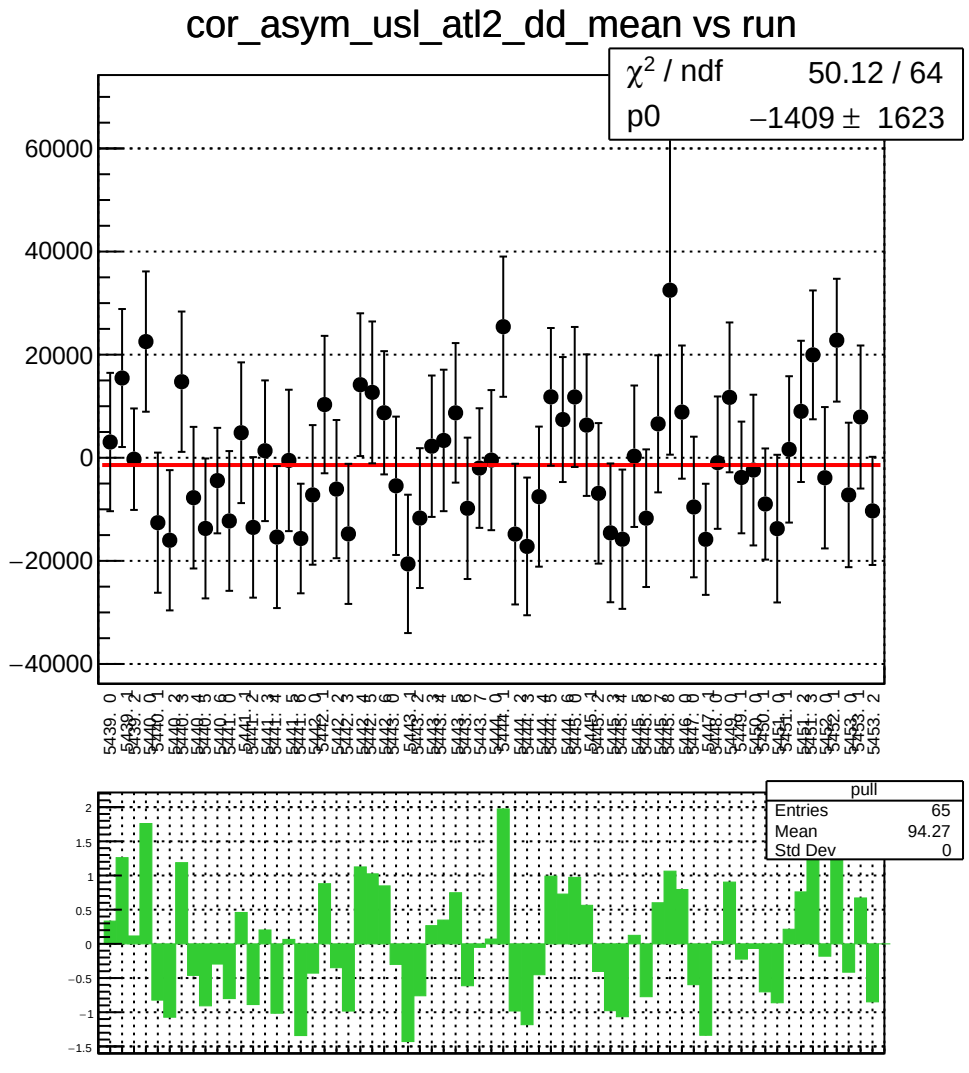

pull1D
Entries 65
Mean 0.01939
Std Dev 0.8781

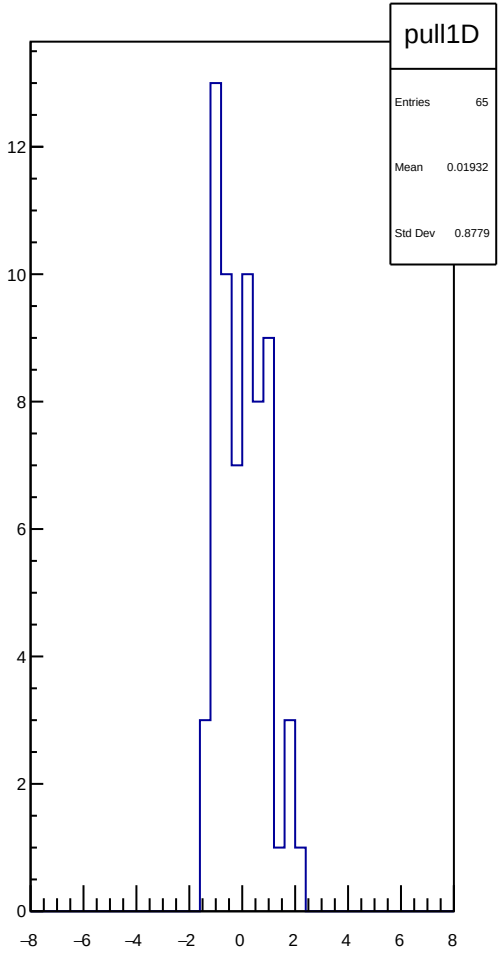

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 1.595e+04 / 64
p0 1309 ± 1.148
4000
3500
3000
2500
2000
1500
1000

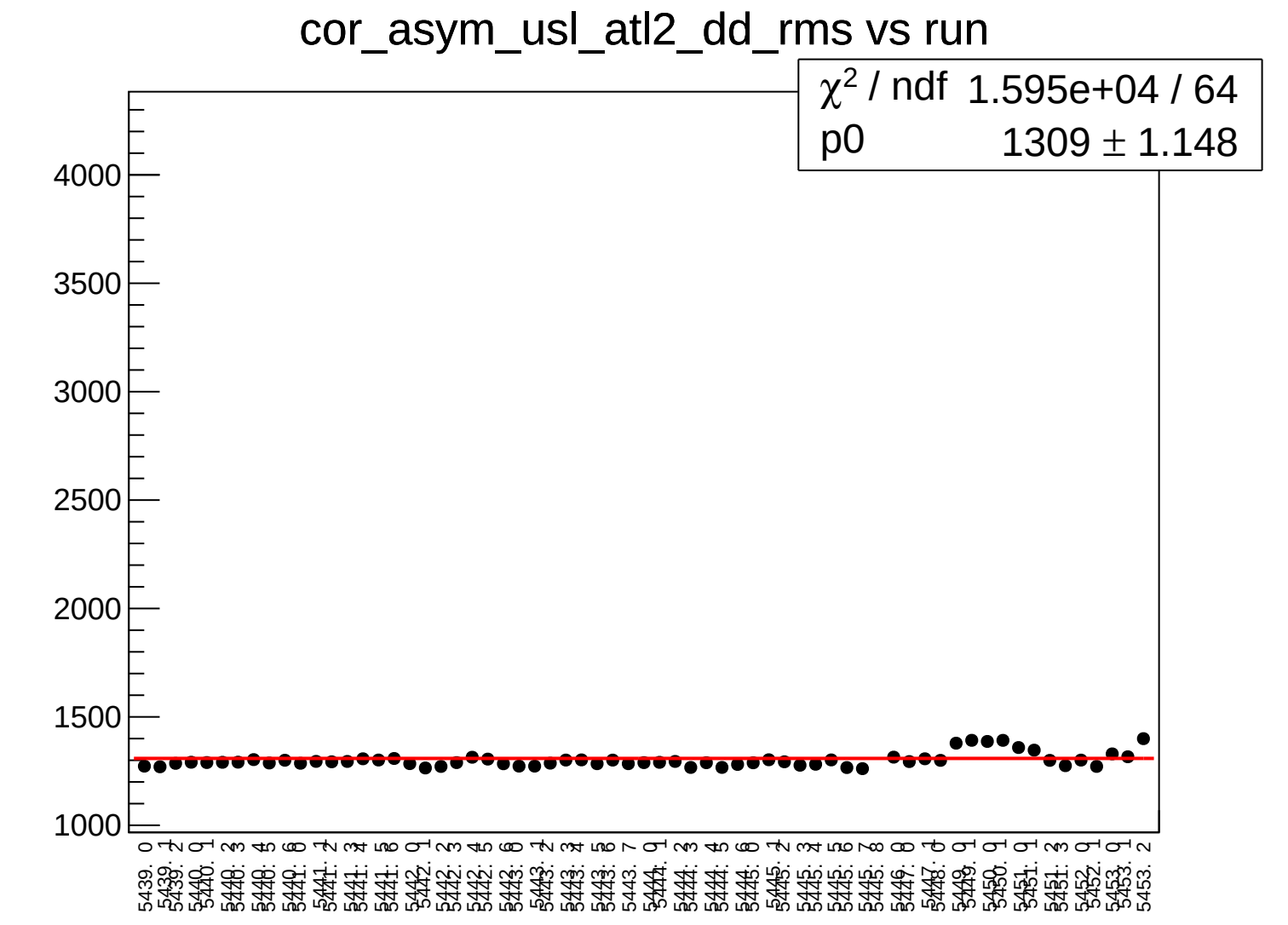

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 49.37 / 64
p0 2698 ± 4863
100
50
0
−50
−100
pull
Entries 65
Mean 13.21
Std Dev 37.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

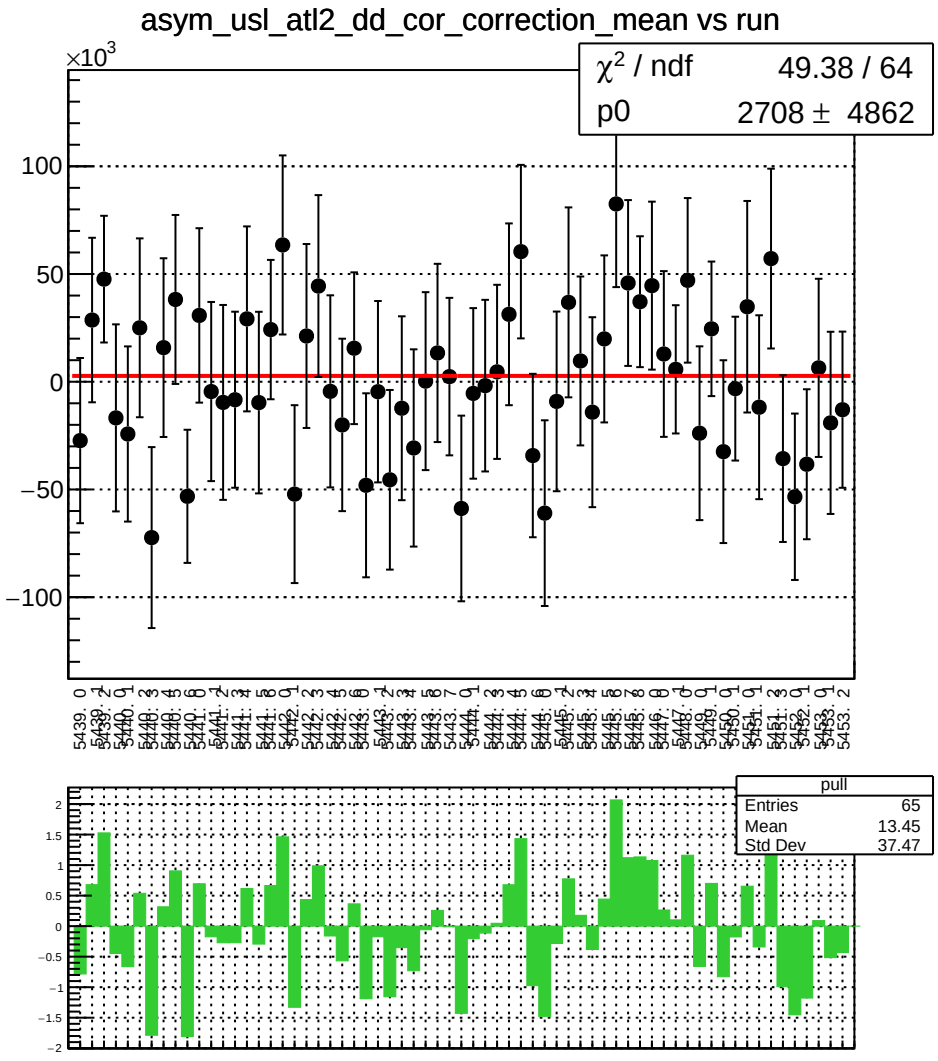

pull1D
Entries 65
Mean −0.01513
Std Dev 0.8714
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

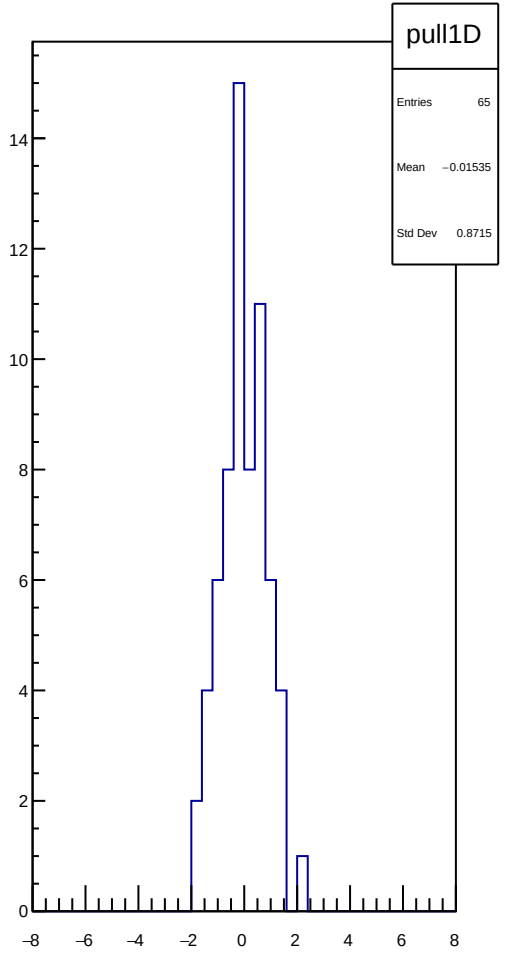

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 4094 / 64
p0 3938 ± 3.439
4800
4600
4400
4200
4000
3800
3600

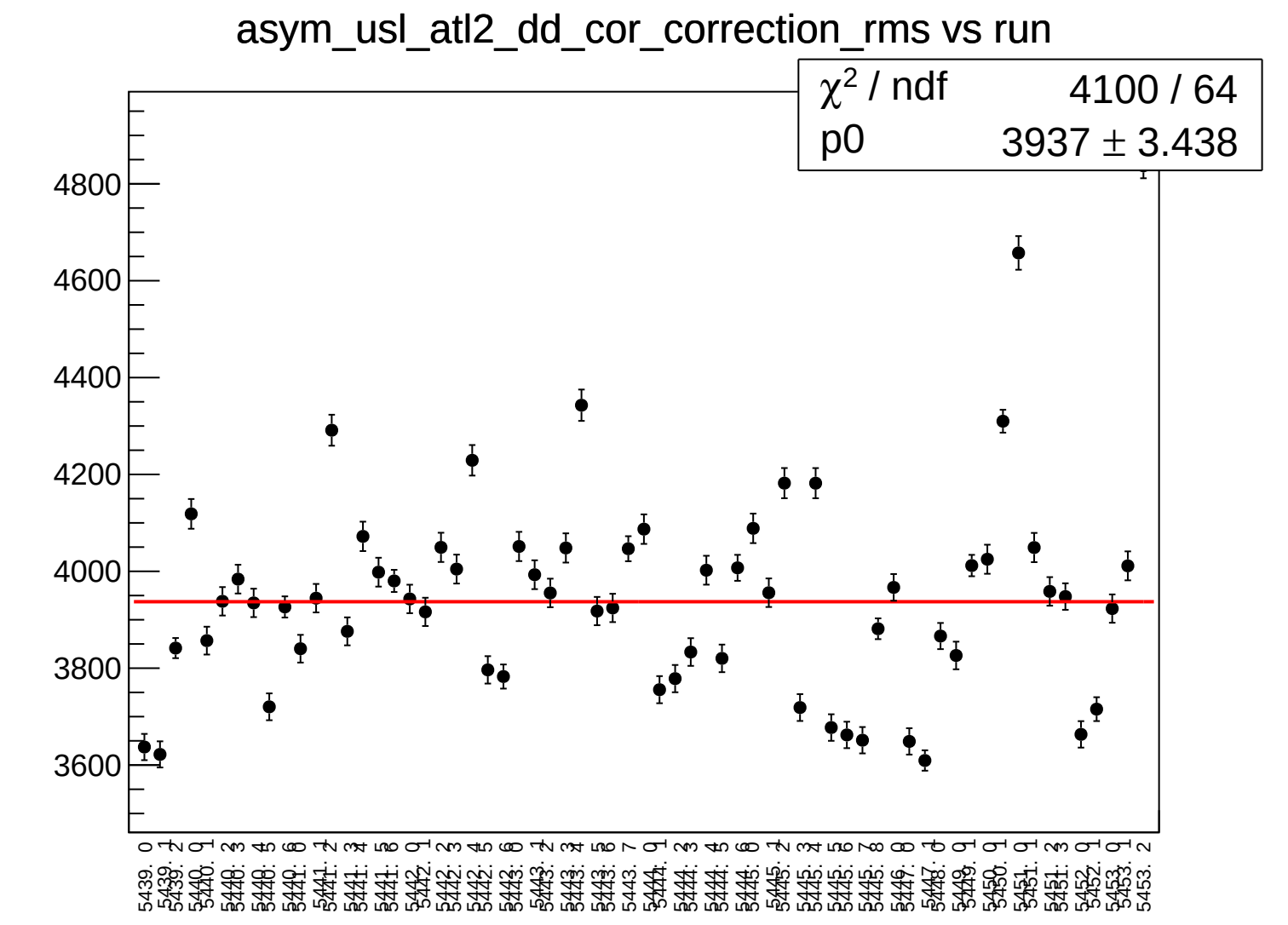

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.12 / 64
p0 −1409 ± 1623
pull
Entries 65
Mean 94.27
Std Dev 0

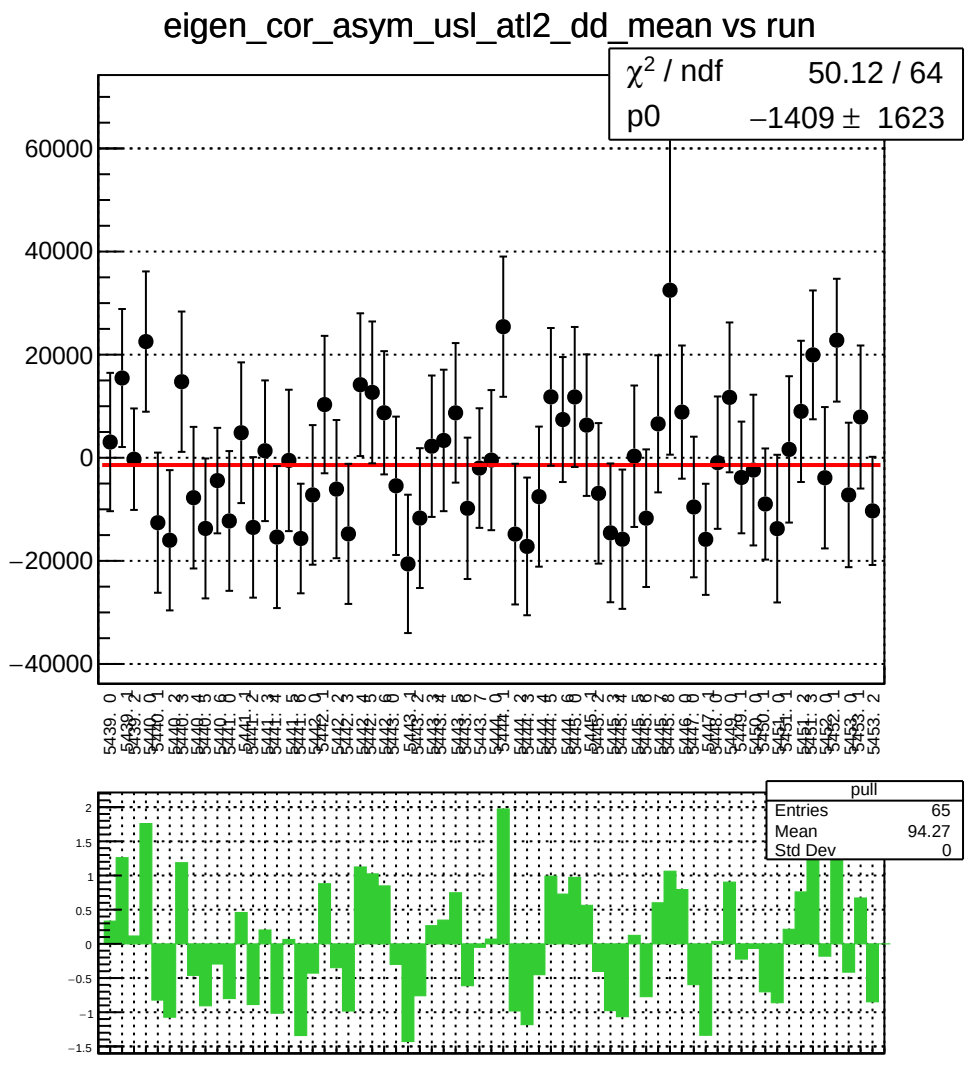

pull1D
Entries 65
Mean 0.01932
Std Dev 0.8779

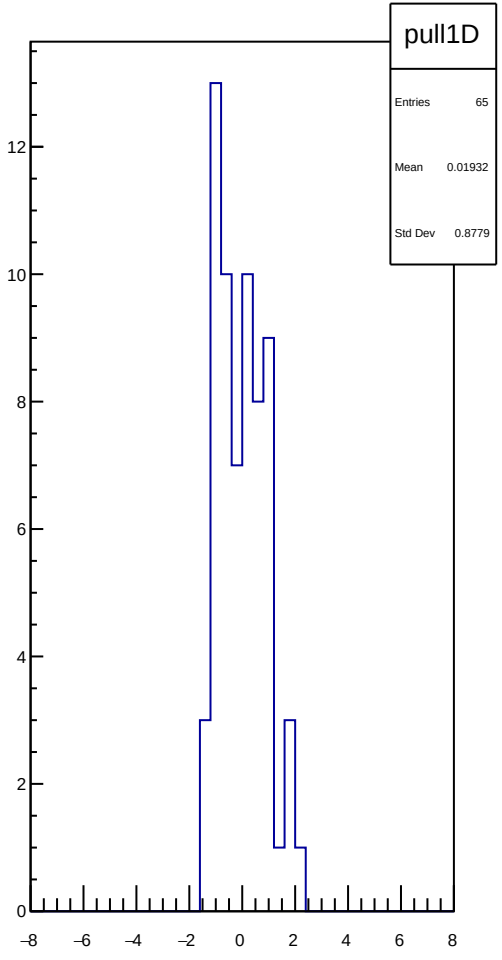

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 1.595e+04 / 64
p0 1309 ± 1.148
4000
3500
3000
2500
2000
1500
1000

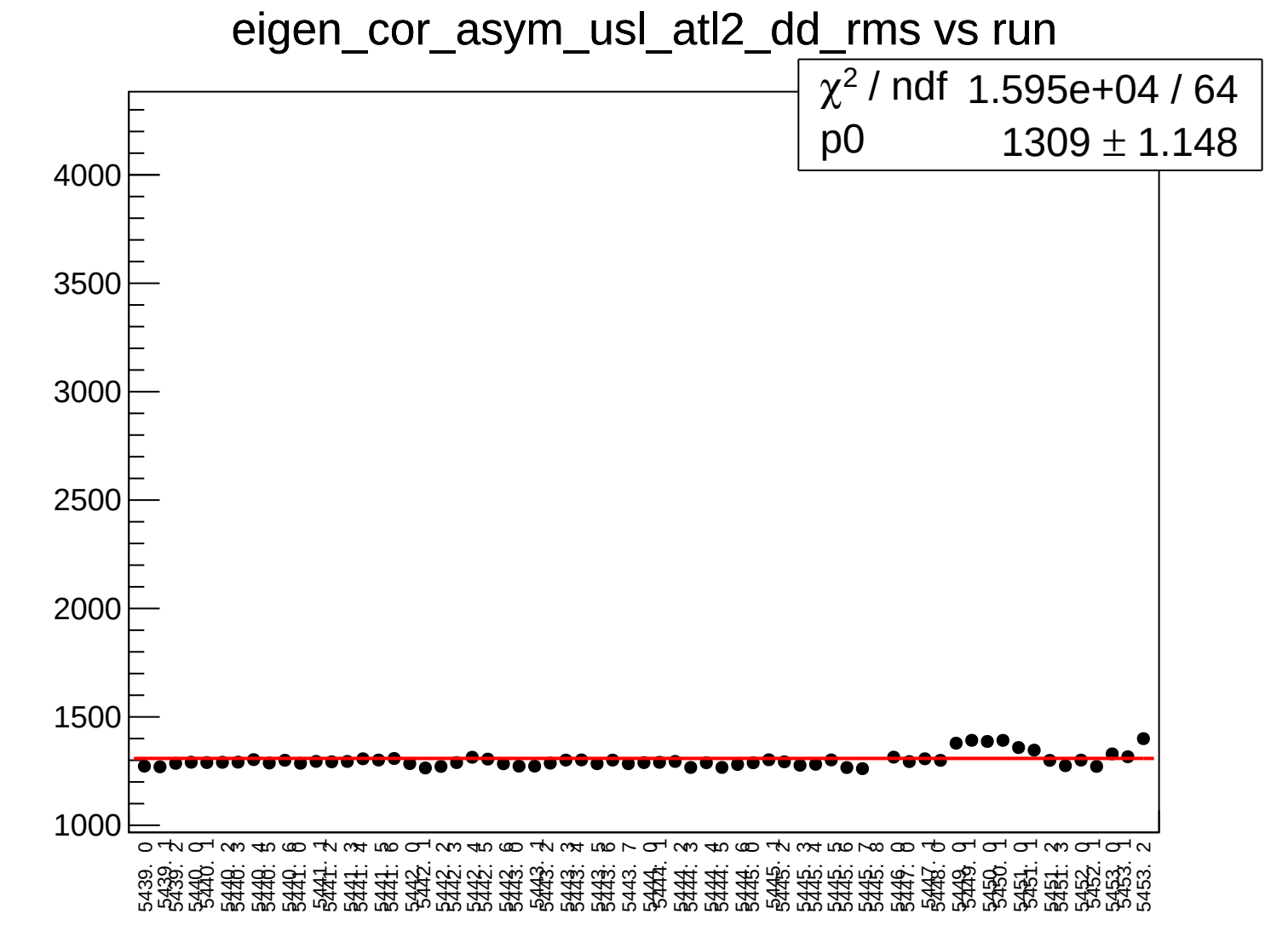

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.38 / 64
p0 2708 ± 4862
100
50
0
−50
−100
pull
Entries 65
Mean 13.45
Std Dev 37.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

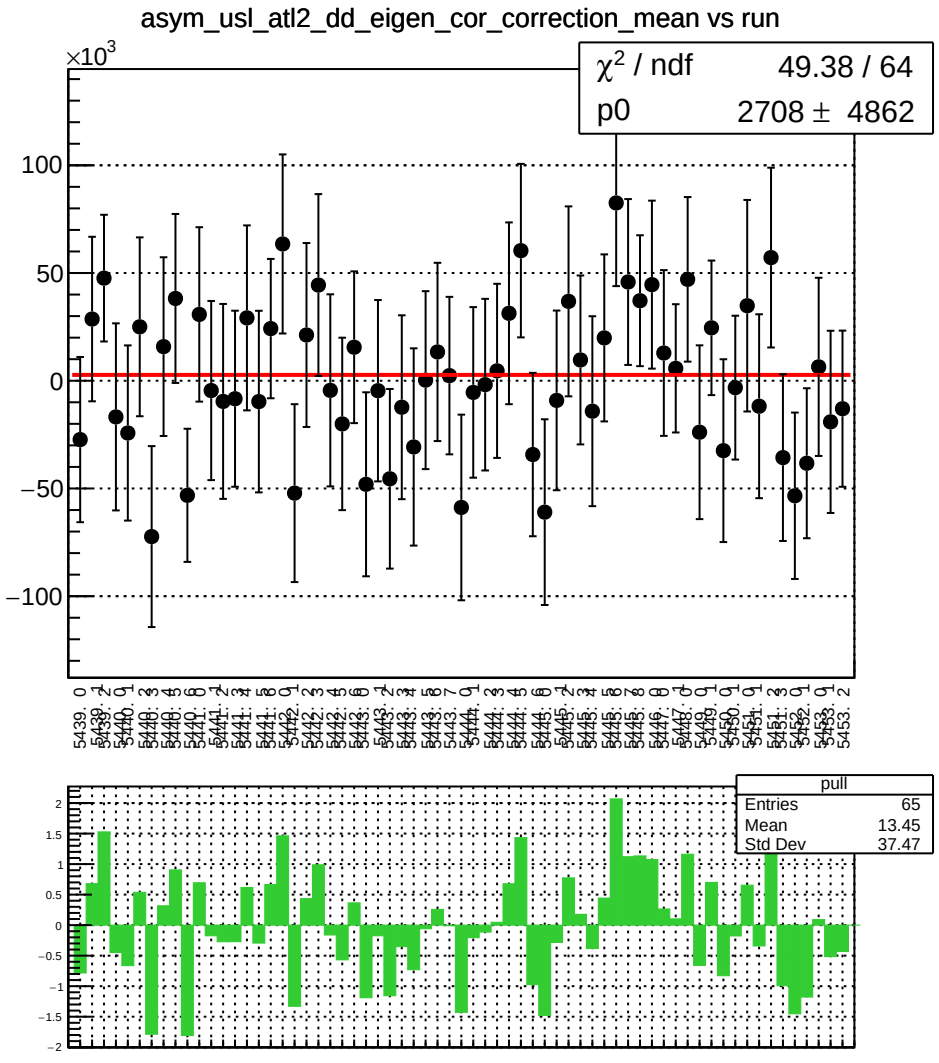

pull1D
Entries 65
Mean −0.01535
Std Dev 0.8715
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

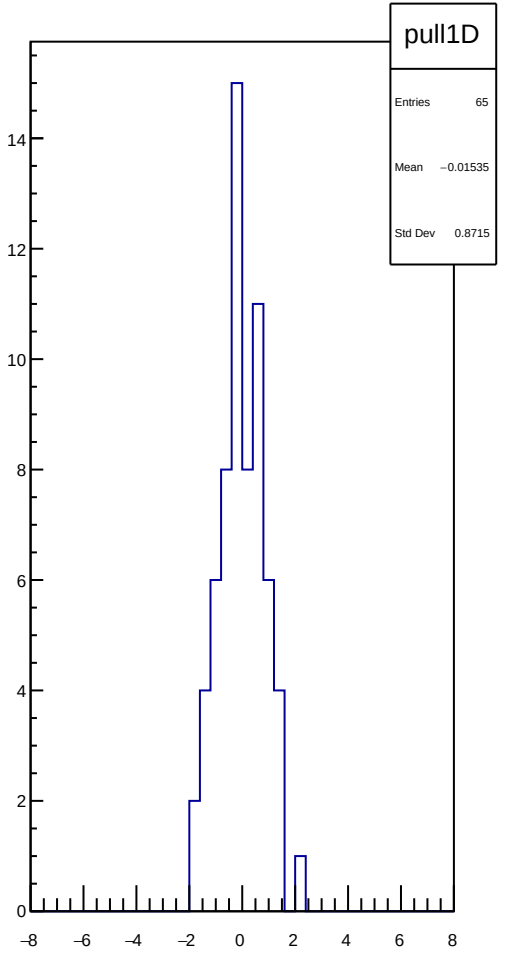

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 4100 / 64
p0 3937 ± 3.438
4800
4600
4400
4200
4000
3800
3600

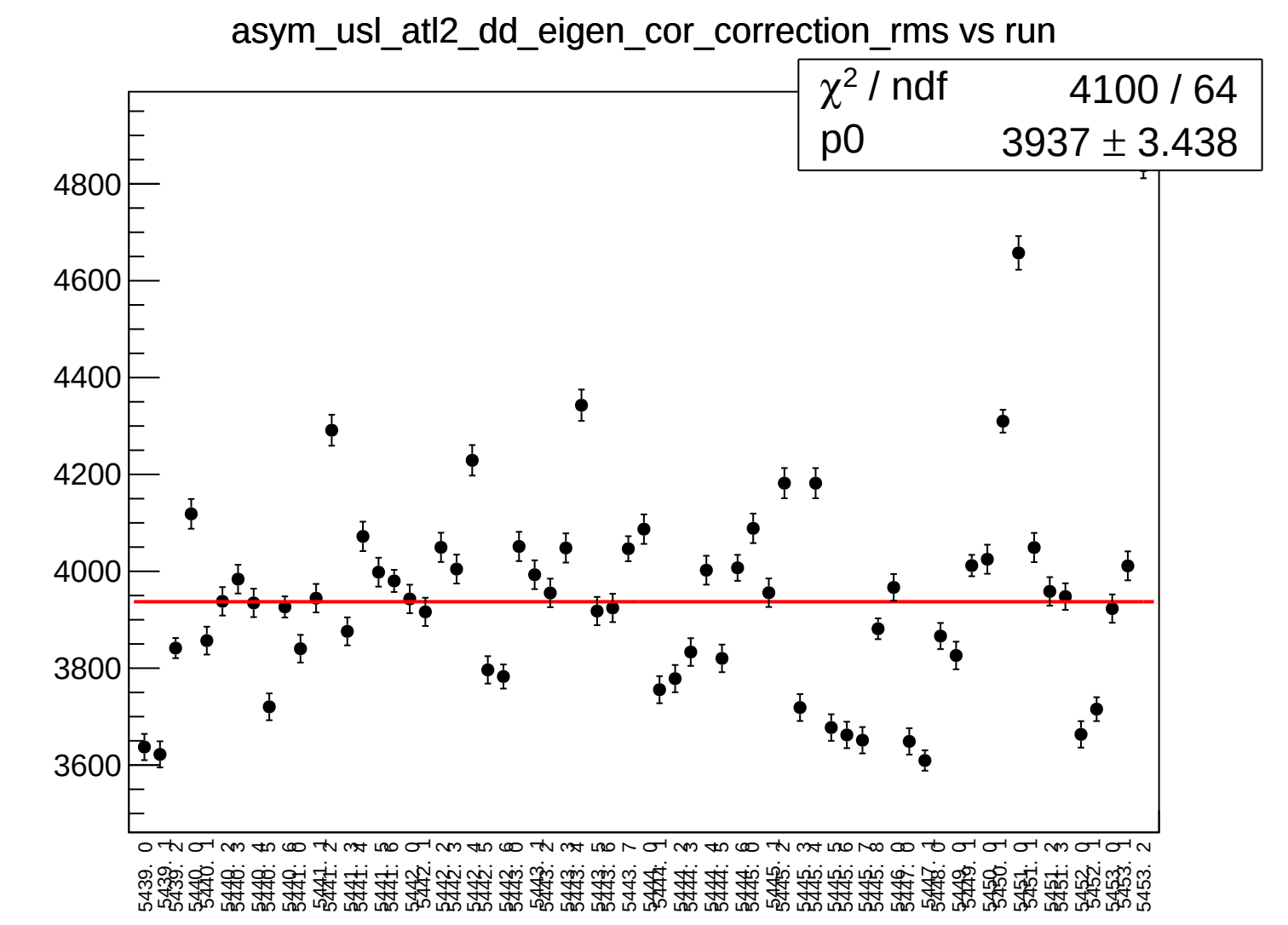

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.12 / 64
p0 −1409 ± 1623
60000
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 94.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

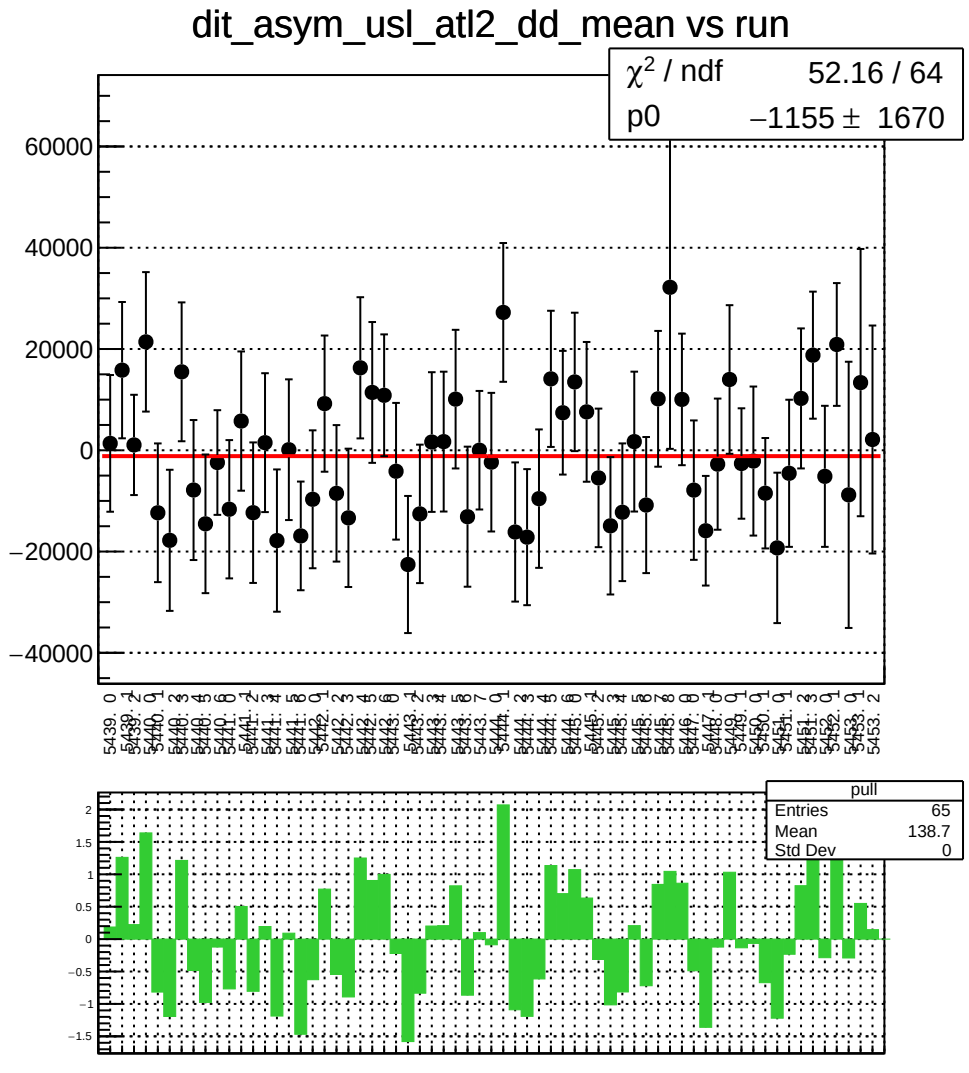

pull1D
Entries 65
Mean 0.01932
Std Dev 0.8779
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

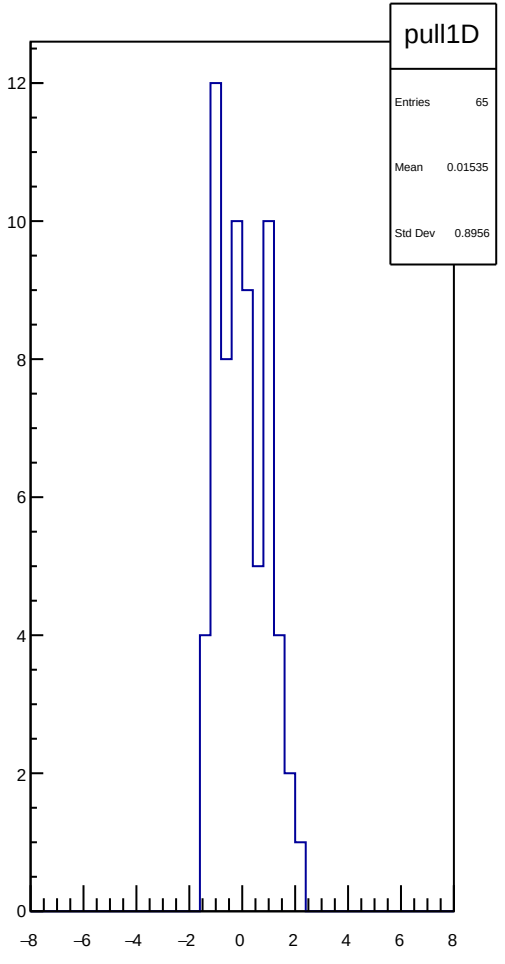

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 1.595e+04 / 64
p0 1309 ± 1.148
4000
3500
3000
2500
2000
1500
1000

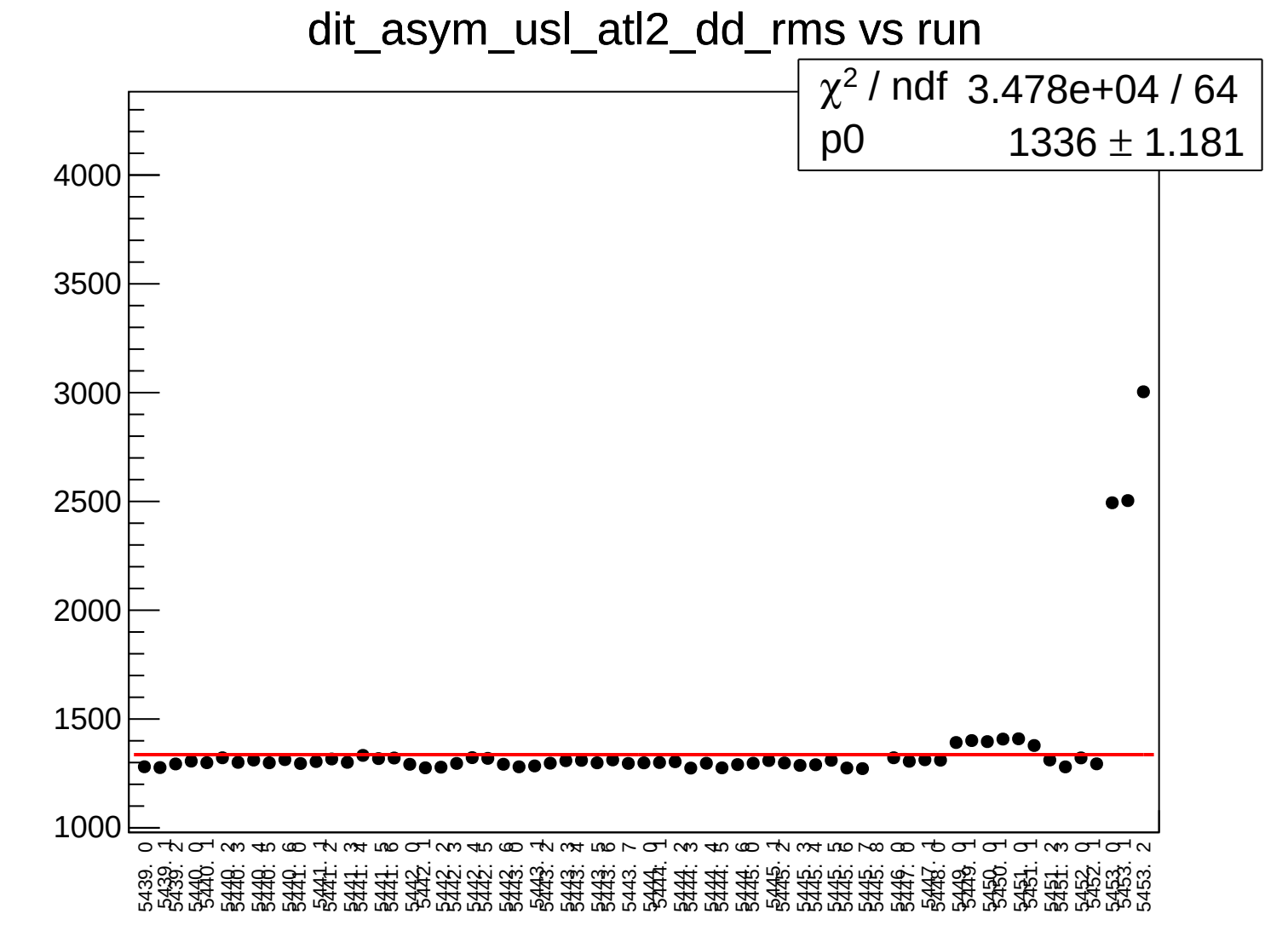

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.38 / 64
p0 2708 ± 4862
pull
Entries 65
Mean 13.45
Std Dev 37.47

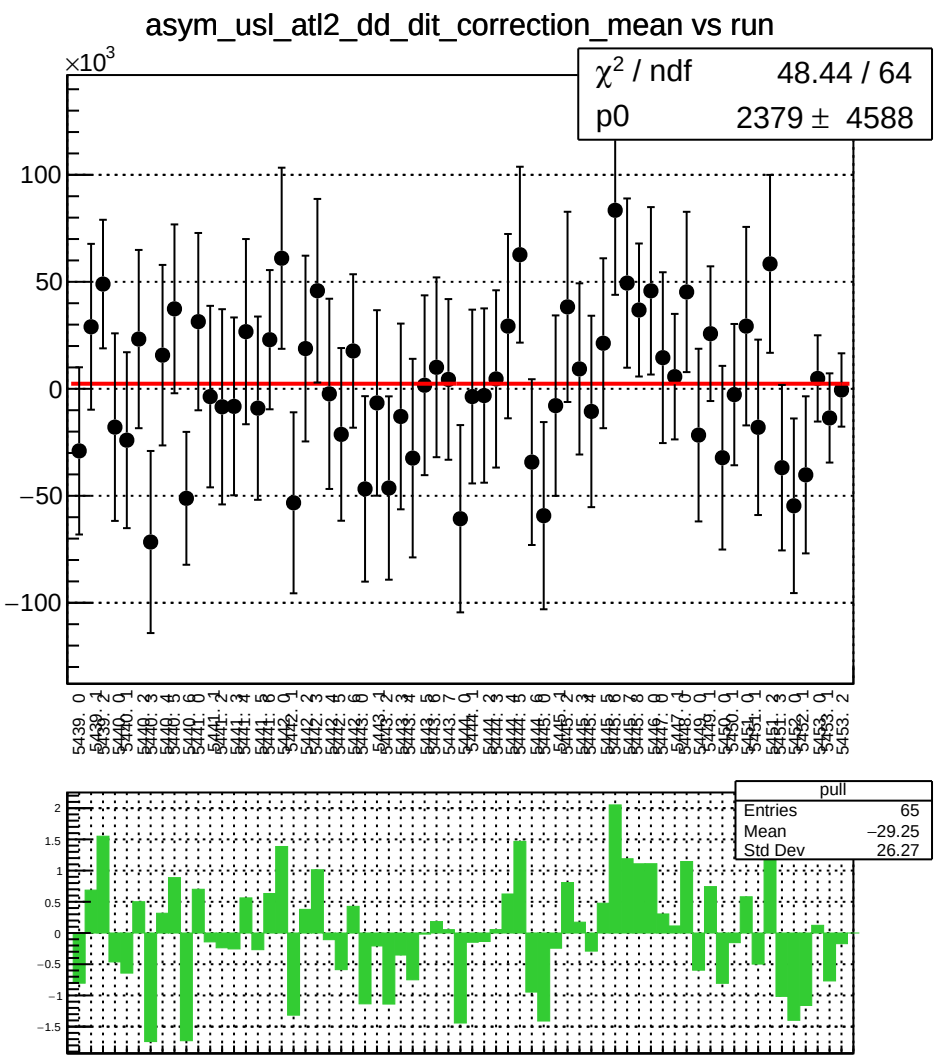

pull1D
Entries 65
Mean −0.01535
Std Dev 0.8715

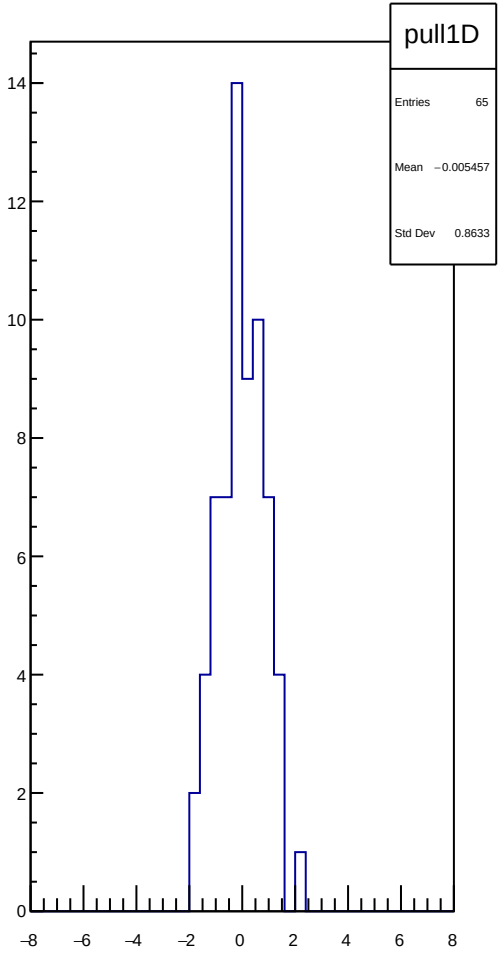

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4100 / 64
p0 3937 ± 3.438
4800
4600
4400
4200
4000
3800
3600

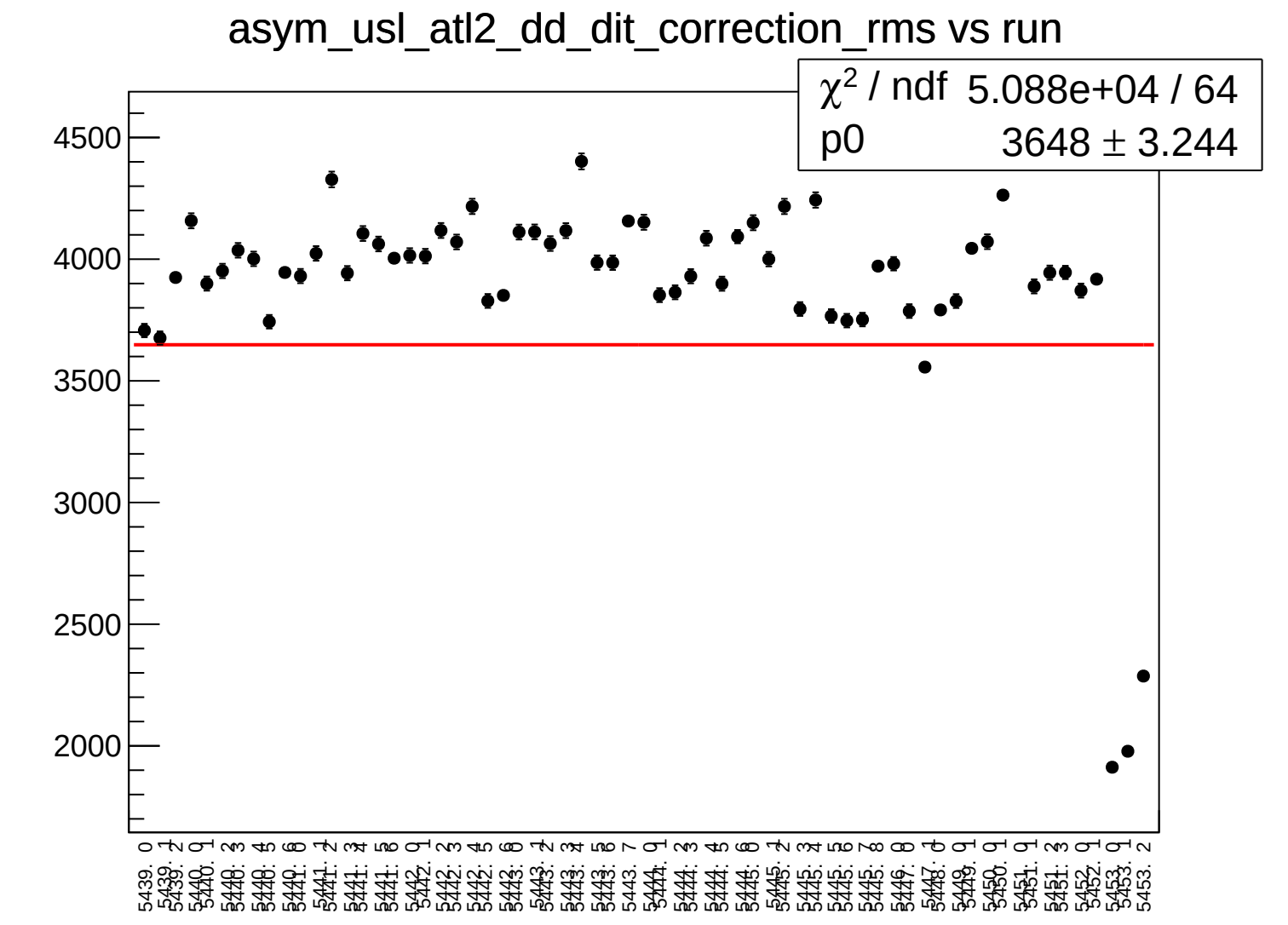

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 52.16 / 64
p0 −1155 ± 1670
60000
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 138.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

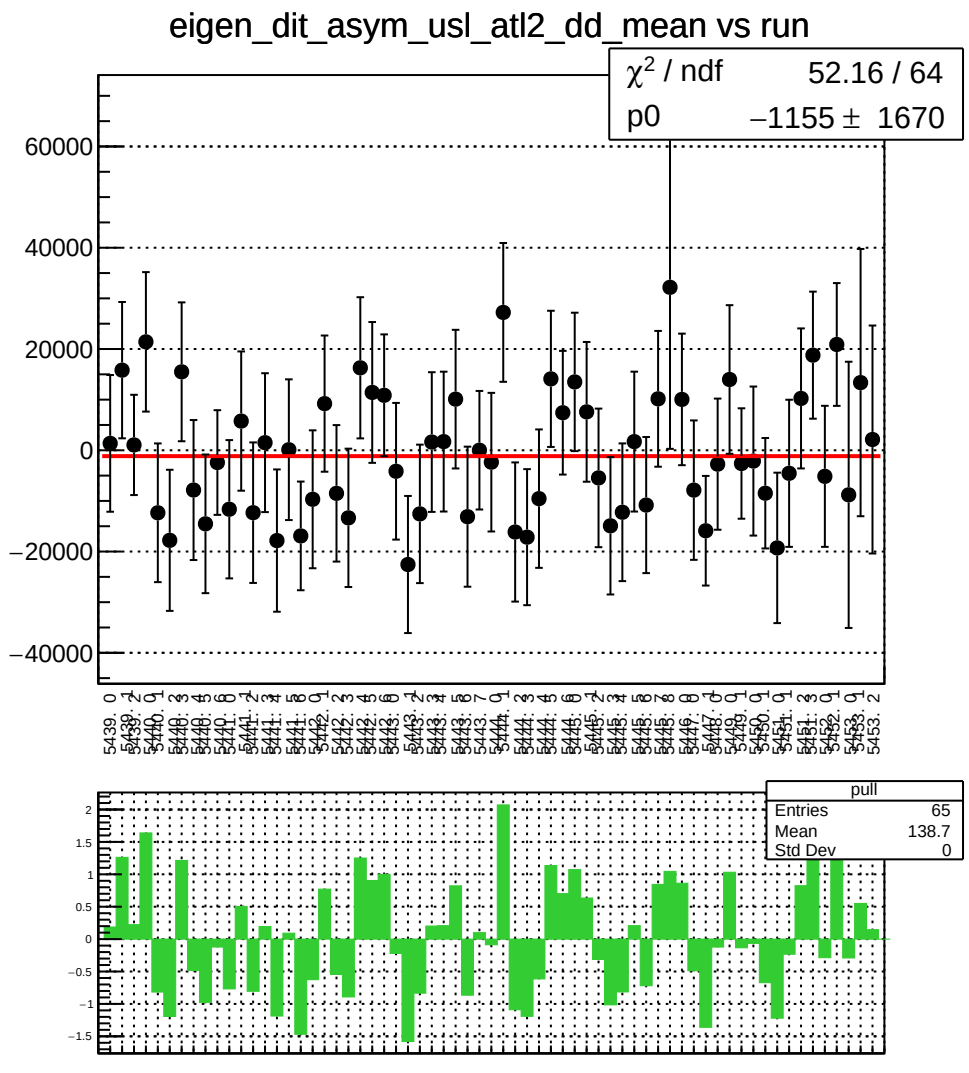

pull1D
Entries 65
Mean 0.01535
Std Dev 0.8956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

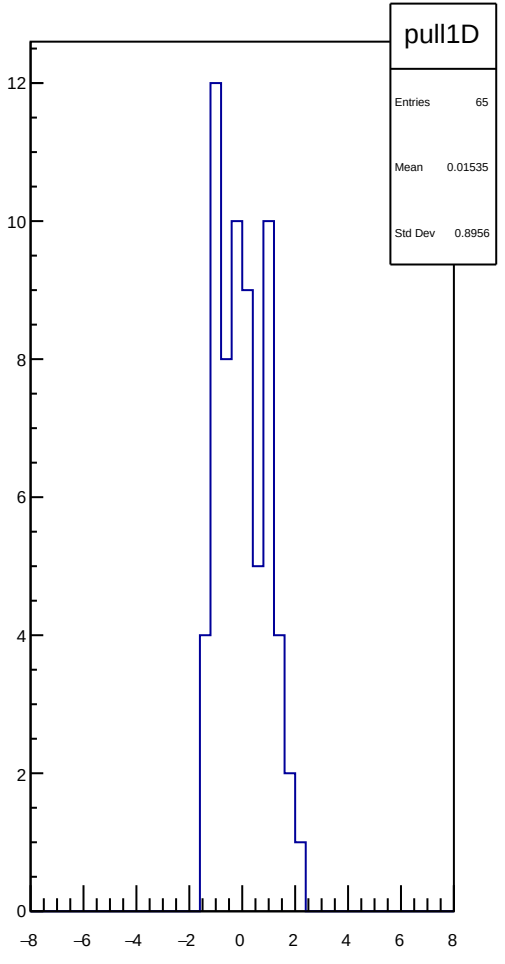

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 3.478e+04 / 64
p0 1336 ± 1.181
4000
3500
3000
2500
2000
1500
1000

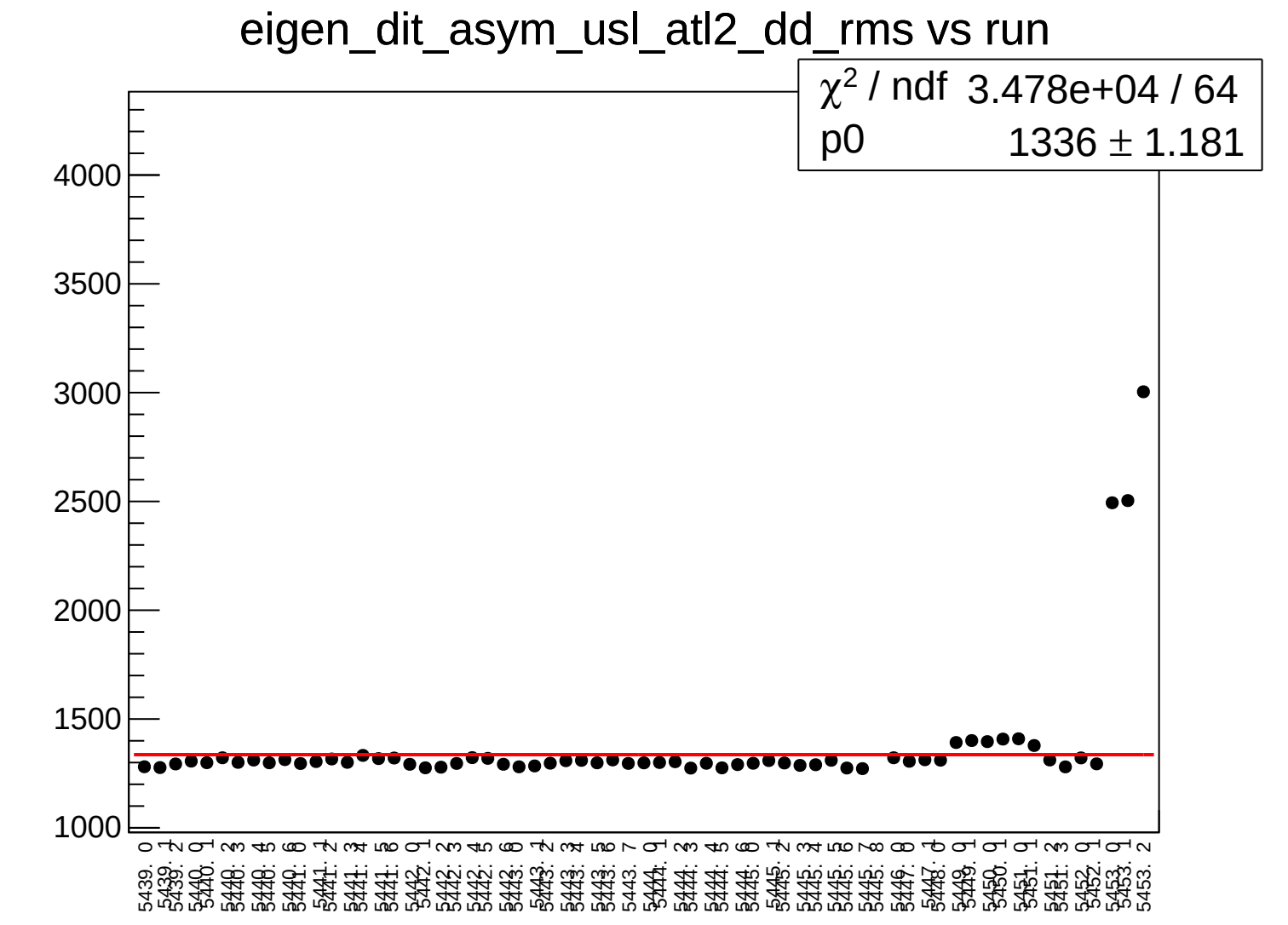

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 48.44 / 64
p0 2379 ± 4588
100
50
0
−50
−100
pull
Entries 65
Mean −29.25
Std Dev 26.27
2
1.5
1
0.5
0
−0.5
−1
−1.5

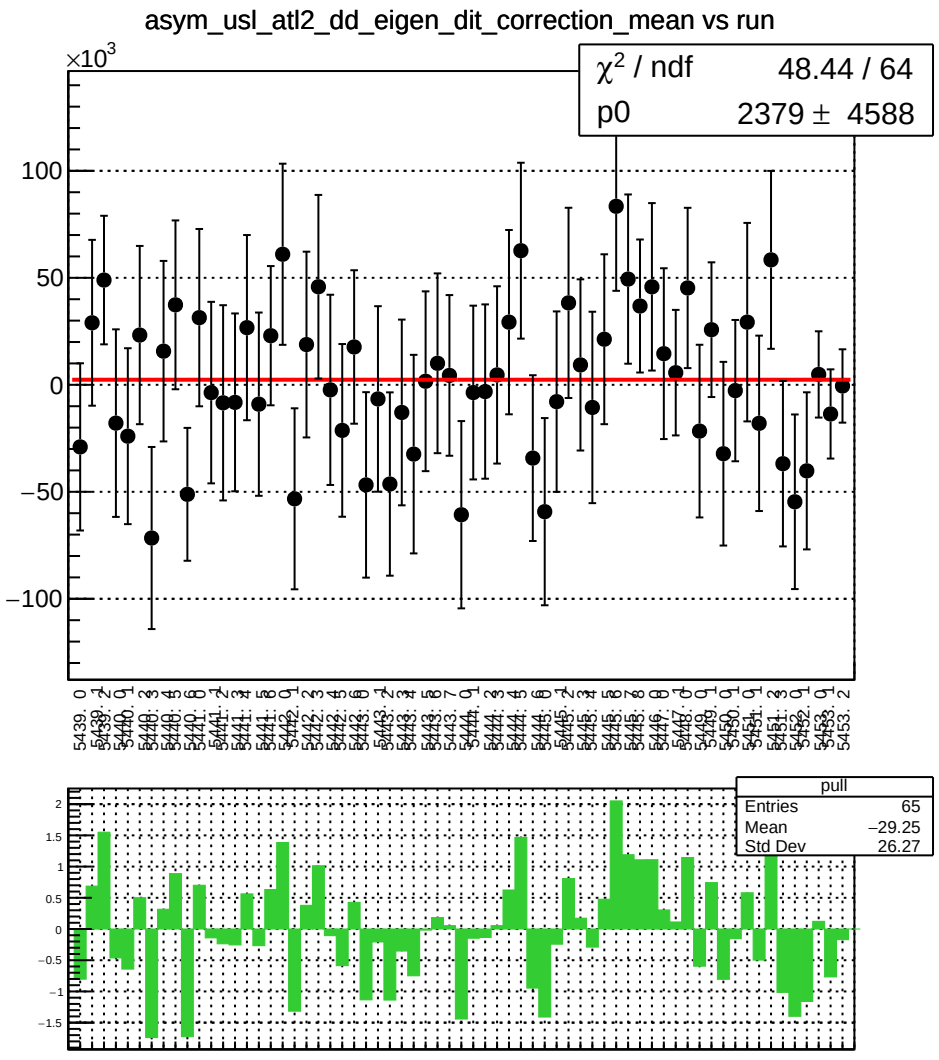

pull1D
Entries 65
Mean −0.005457
Std Dev 0.8633
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

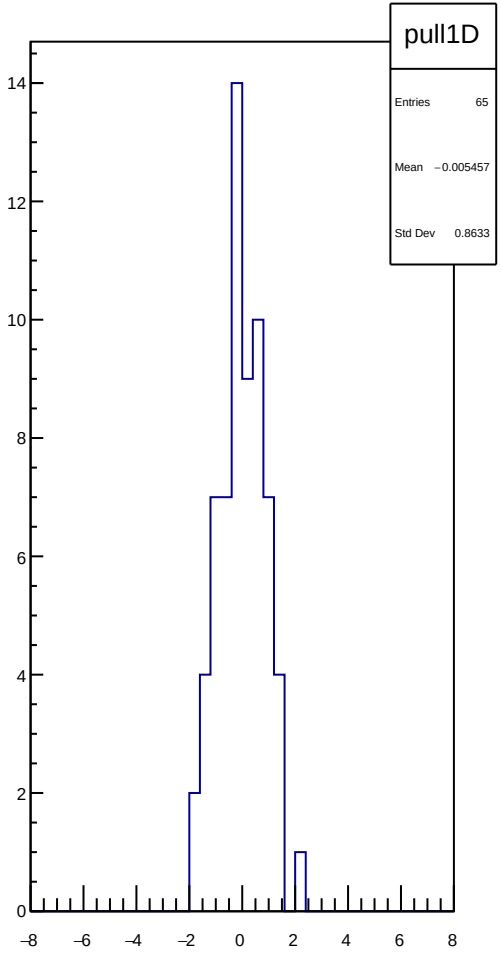

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 5.088e+04 / 64
p0 3648 ± 3.244
4500
4000
3500
3000
2500
2000

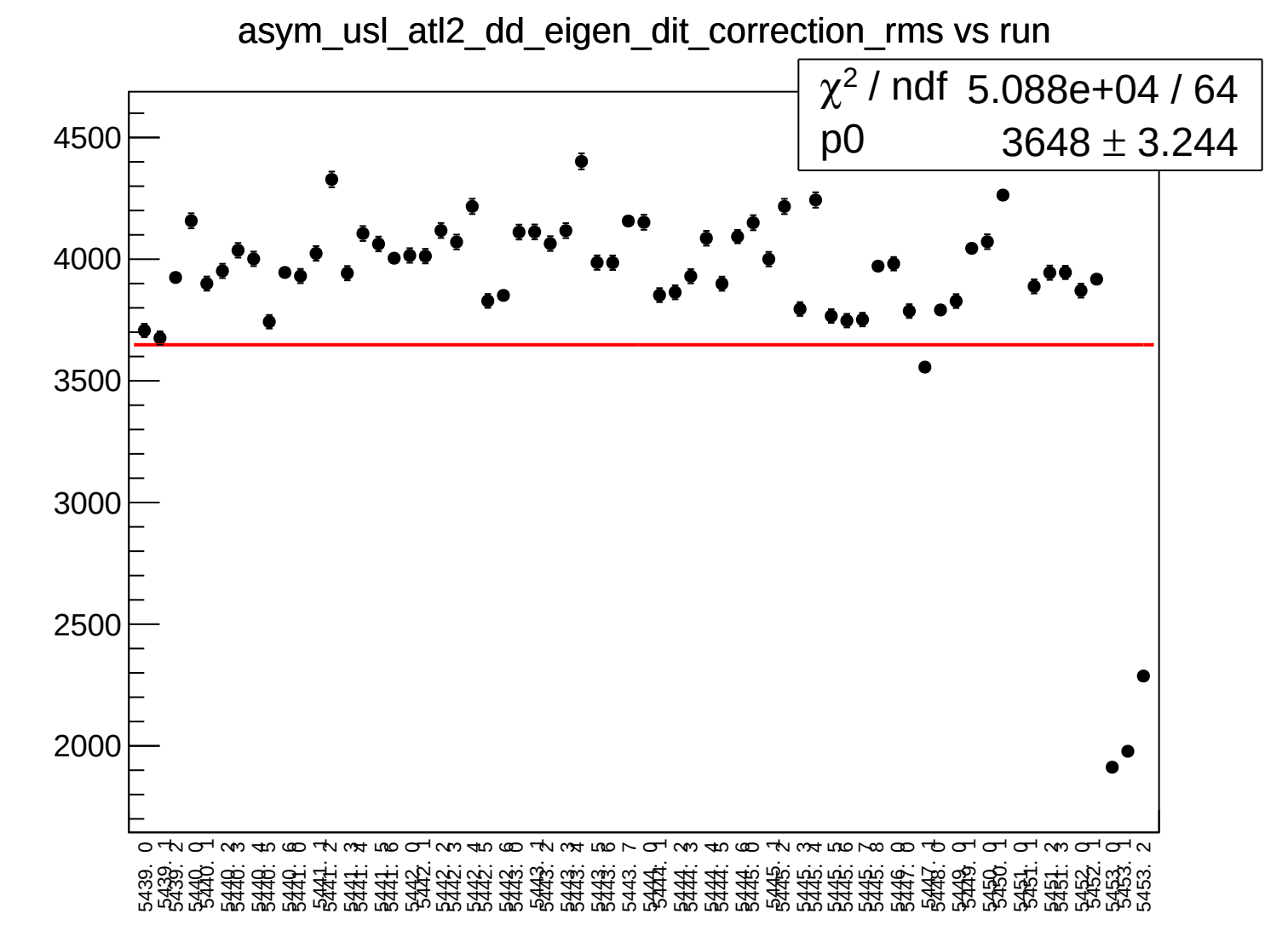

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 52.16 / 64
p0 −1155 ± 1670
60000
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 138.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

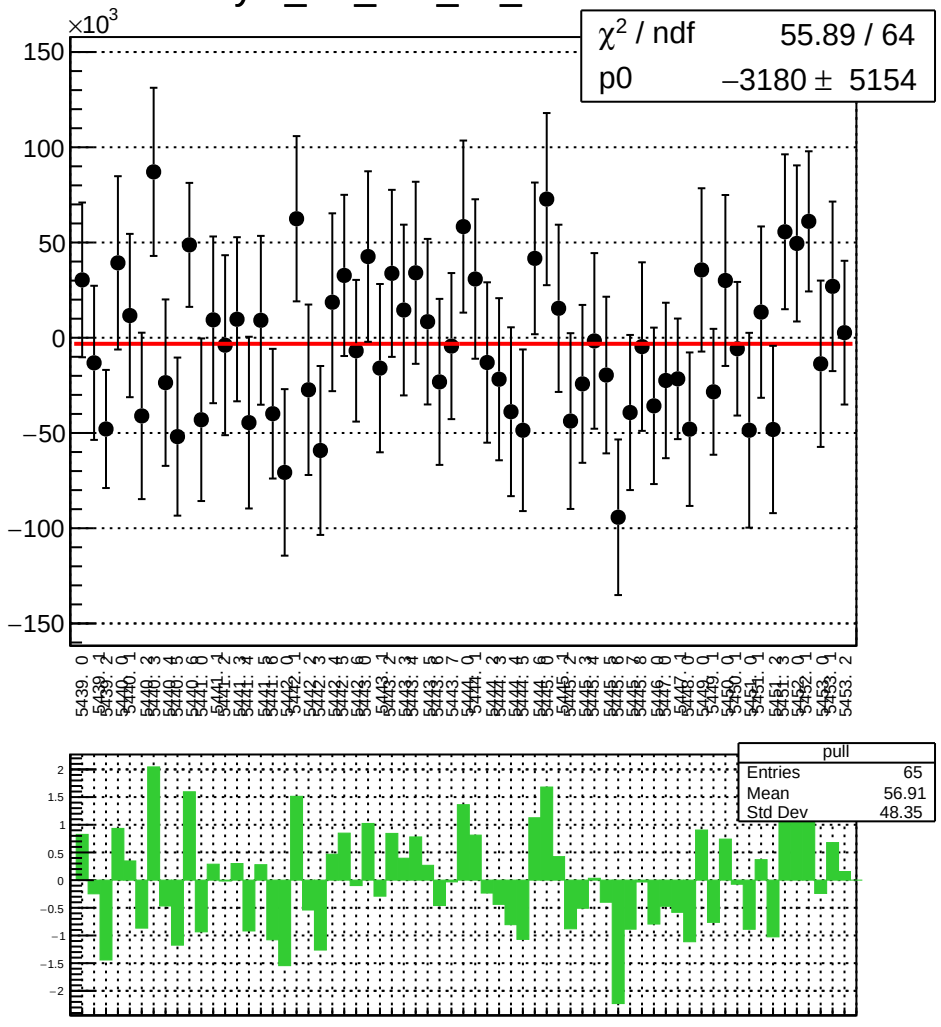

pull1D
Entries 65
Mean 0.01535
Std Dev 0.8956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

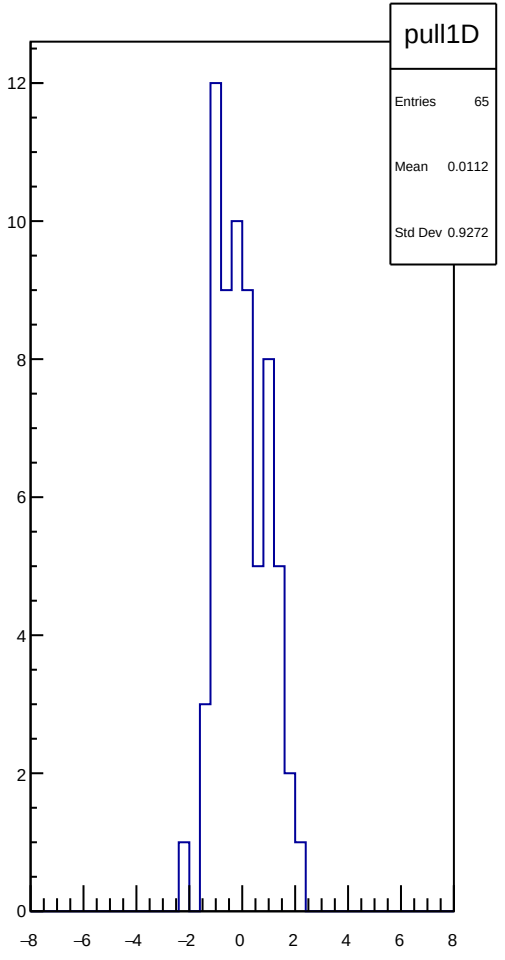

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 3.478e+04 / 64
p0 1336 ± 1.181
4000
3500
3000
2500
2000
1500
1000

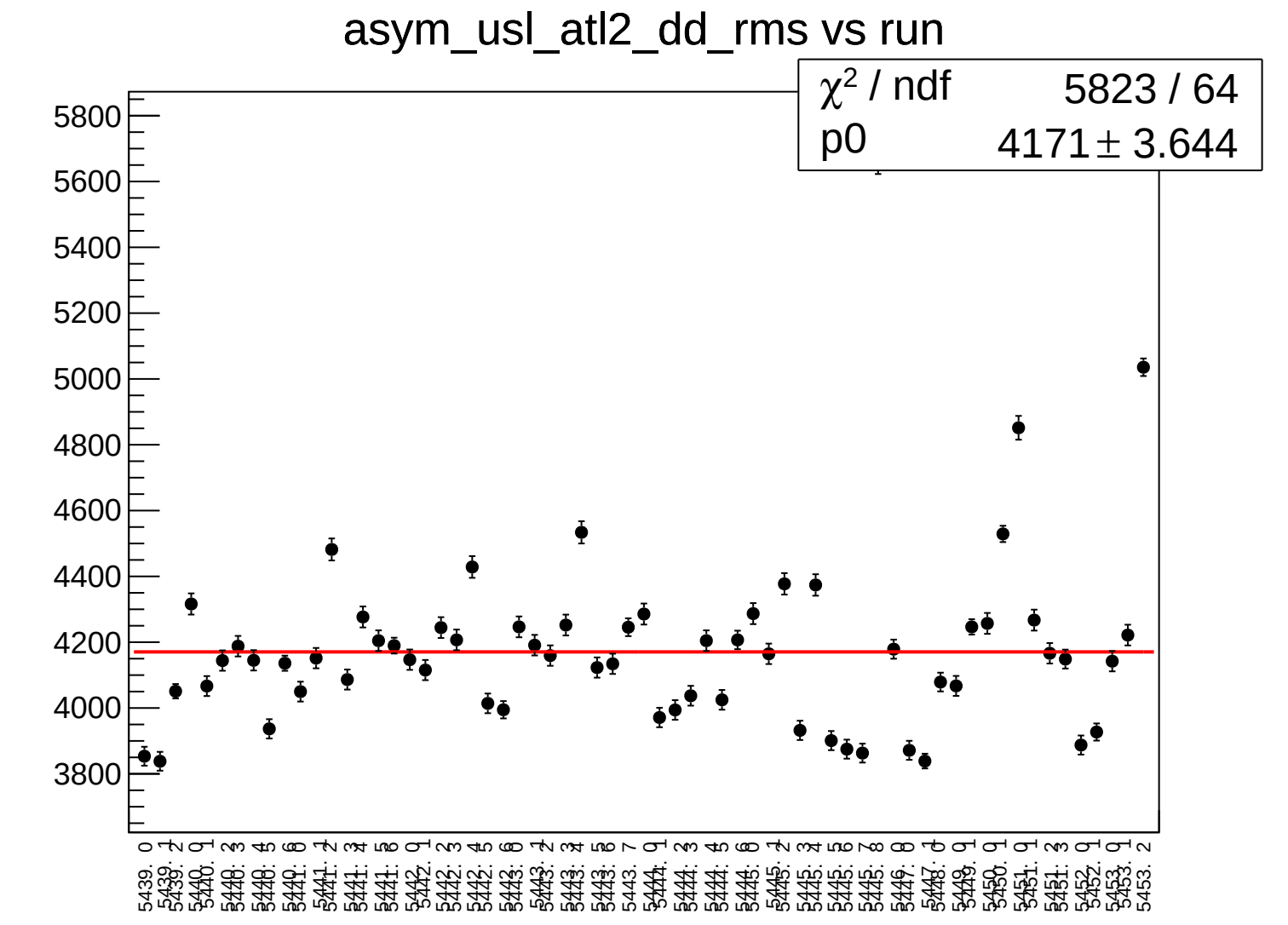

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 48.44 / 64
p0 2379 ± 4588
100
50
0
−50
−100
pull
Entries 65
Mean −29.25
Std Dev 26.27
2
1.5
1
0.5
0
−0.5
−1
−1.5

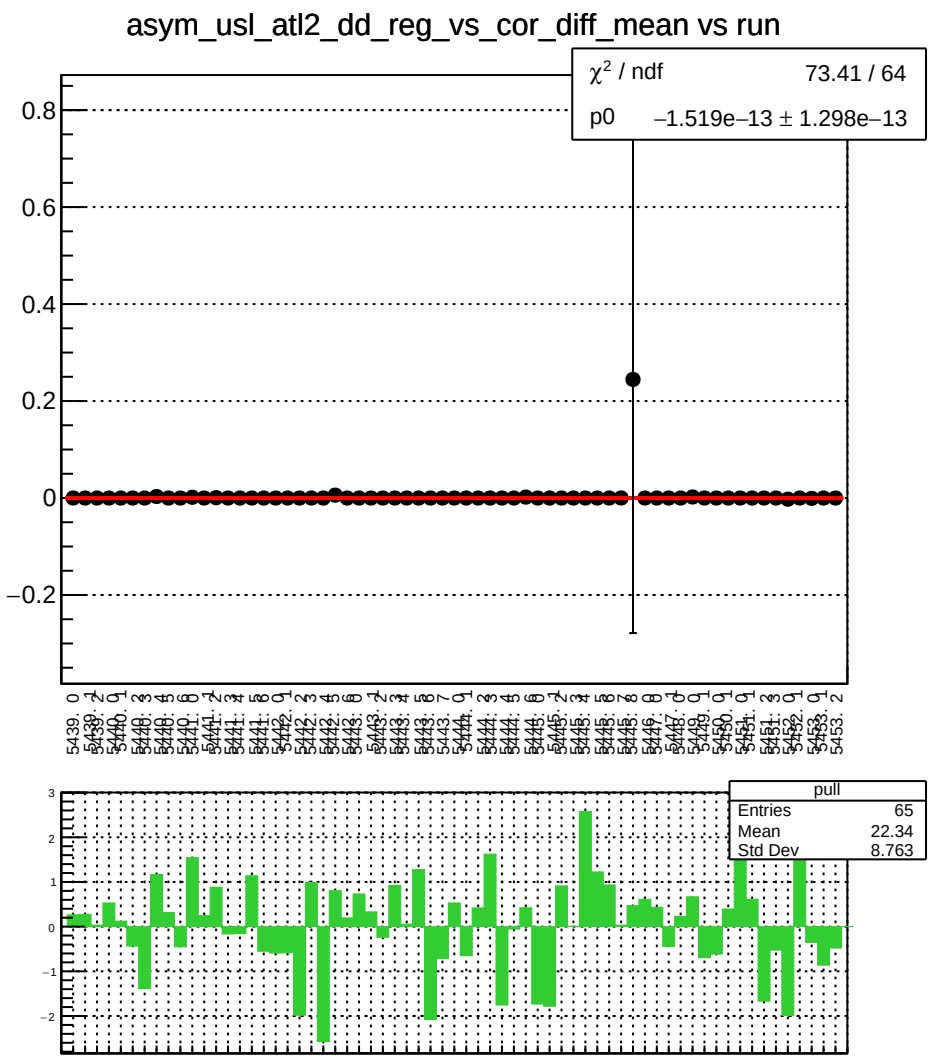

pull1D
Entries 65
Mean −0.005457
Std Dev 0.8633
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

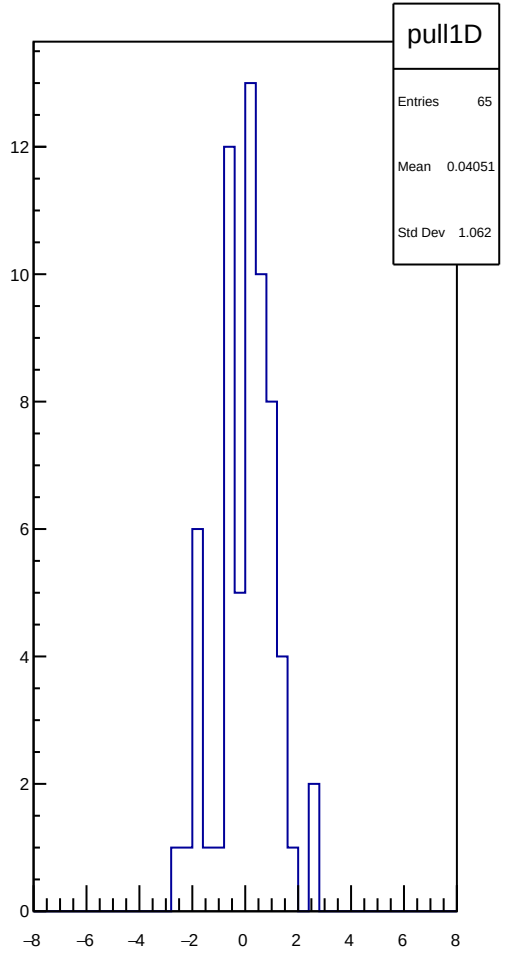

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.088e+04 / 64
p0 3648 ± 3.244
4500
4000
3500
3000
2500
2000

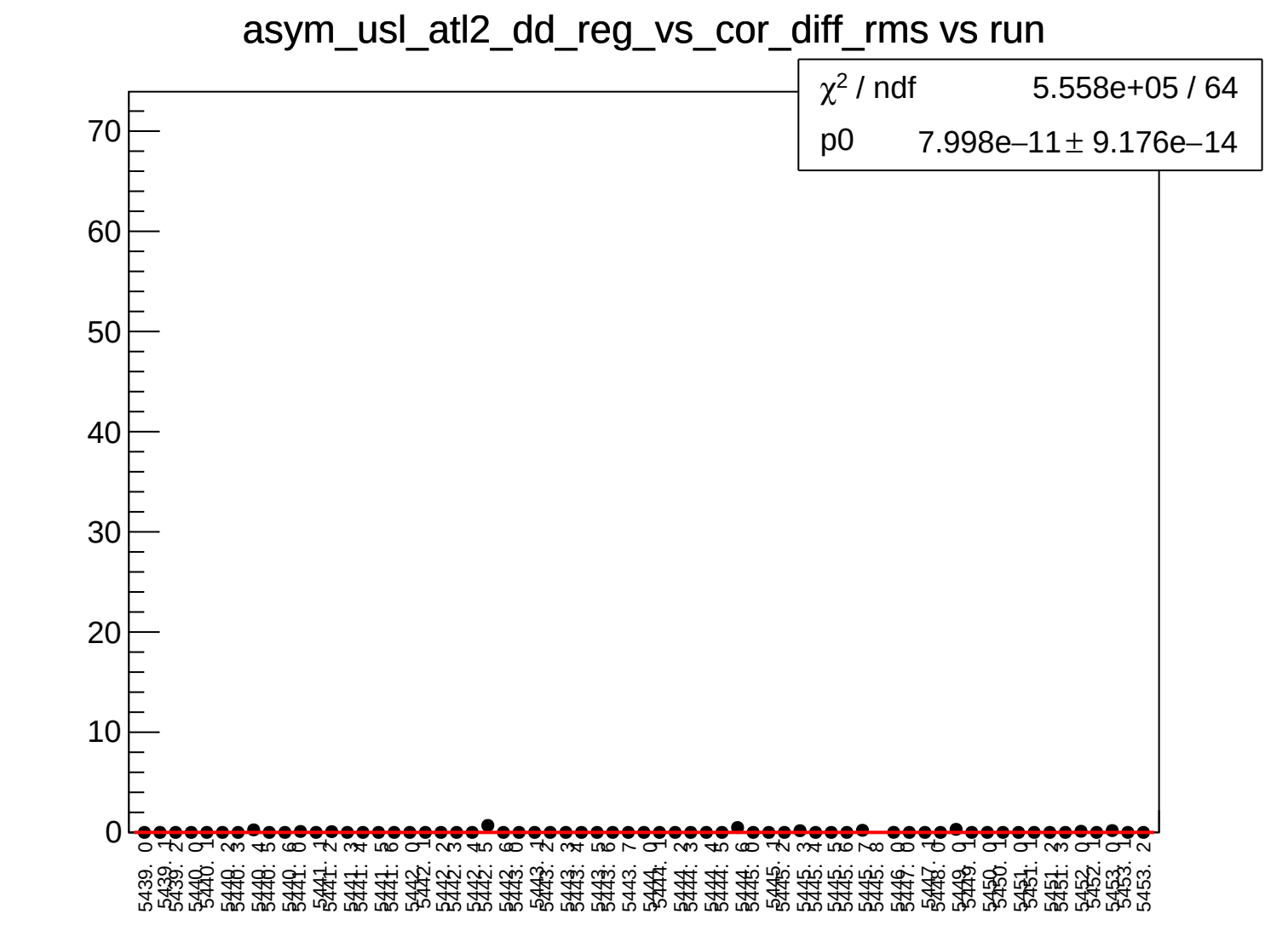

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 55.89 / 64
p0 −3180 ± 5154
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean 56.91
Std Dev 48.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

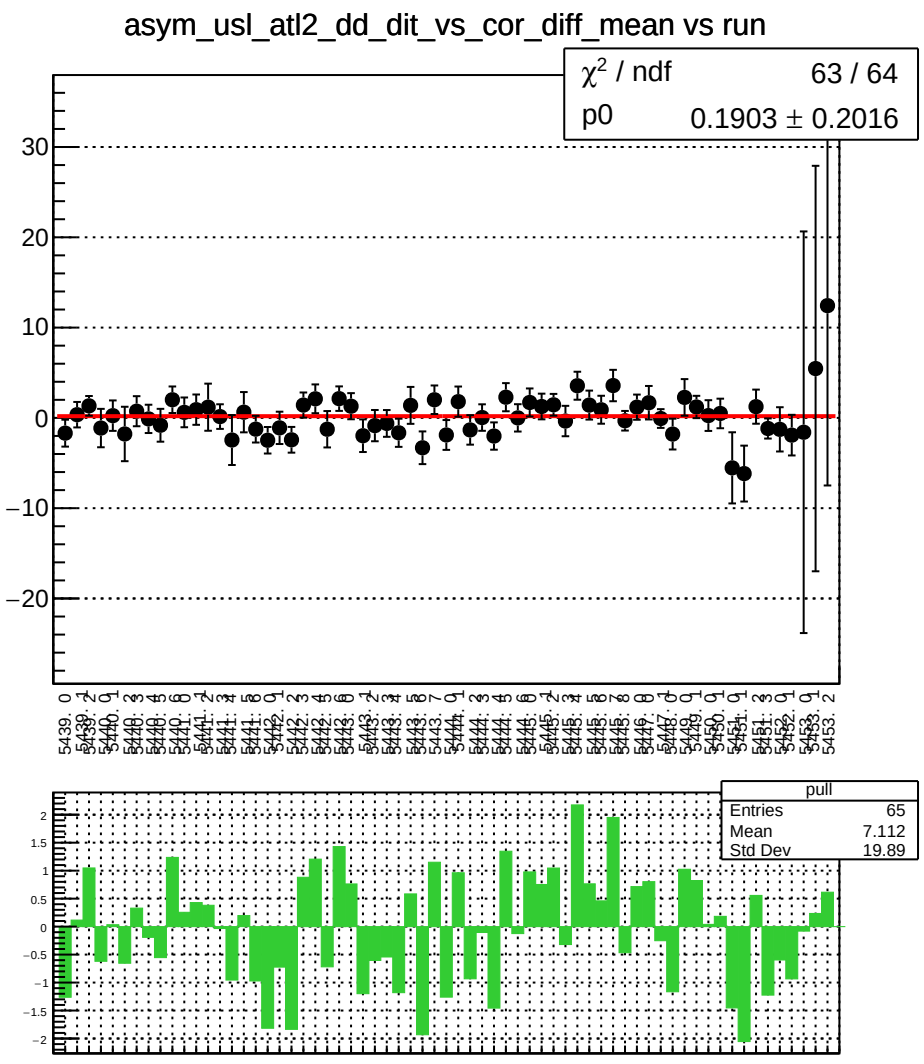

pull1D
Entries 65
Mean 0.0112
Std Dev 0.9272
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

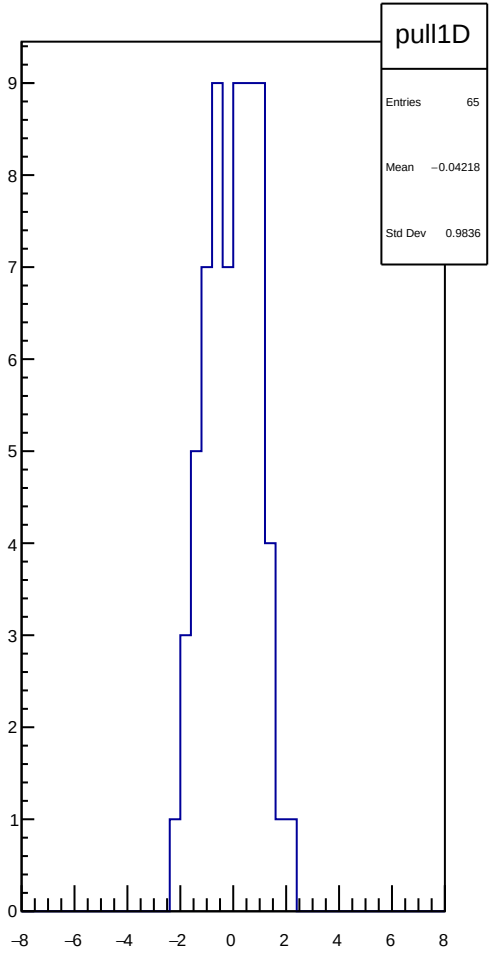

asym_usl_atl2_dd_rms vs run
χ² / ndf 5823 / 64
p0 4171 ± 3.644
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

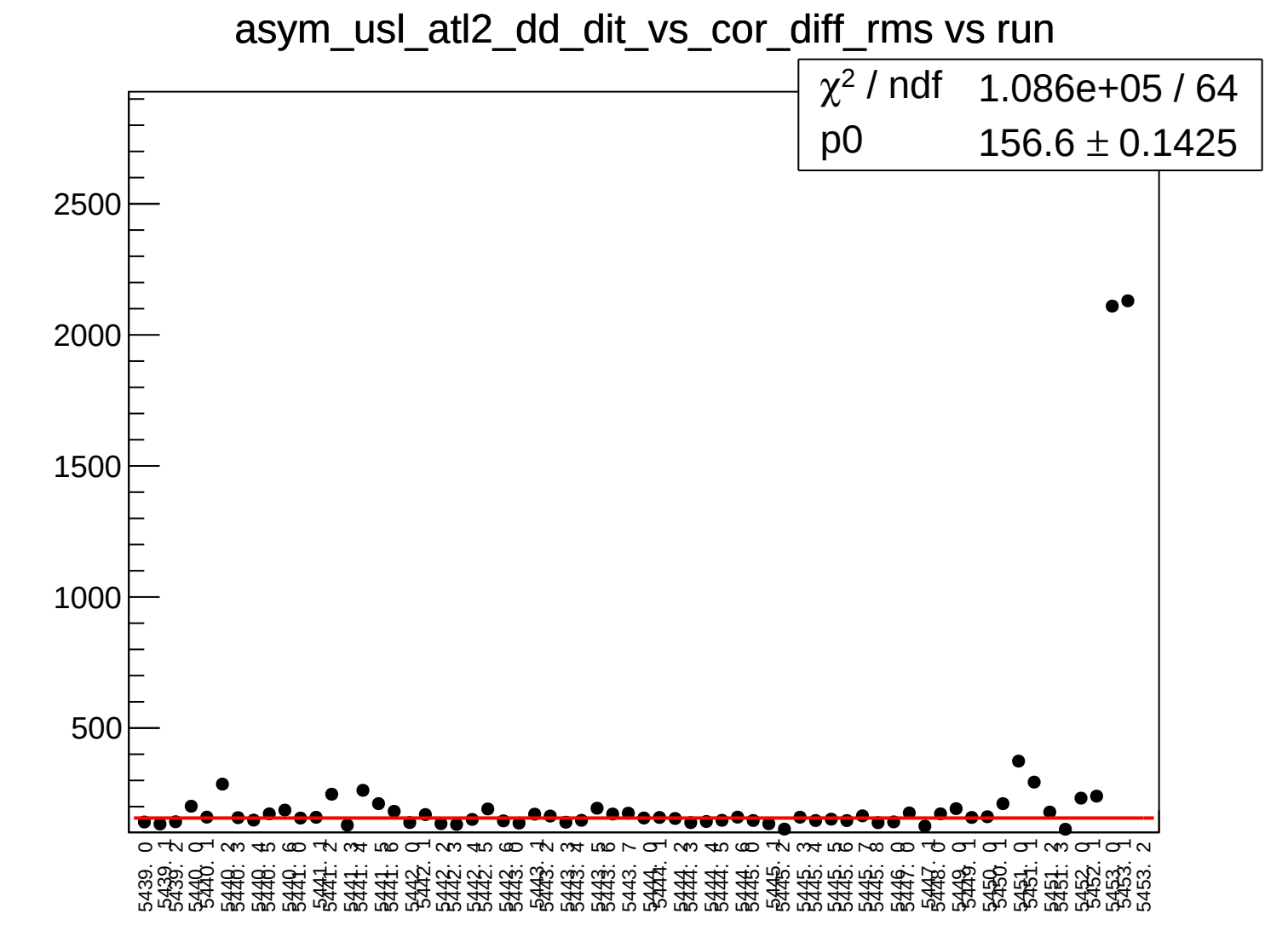

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 73.41 / 64
p0 −1.519e−13 ± 1.298e−13
pull
Entries 65
Mean 22.34
Std Dev 8.763

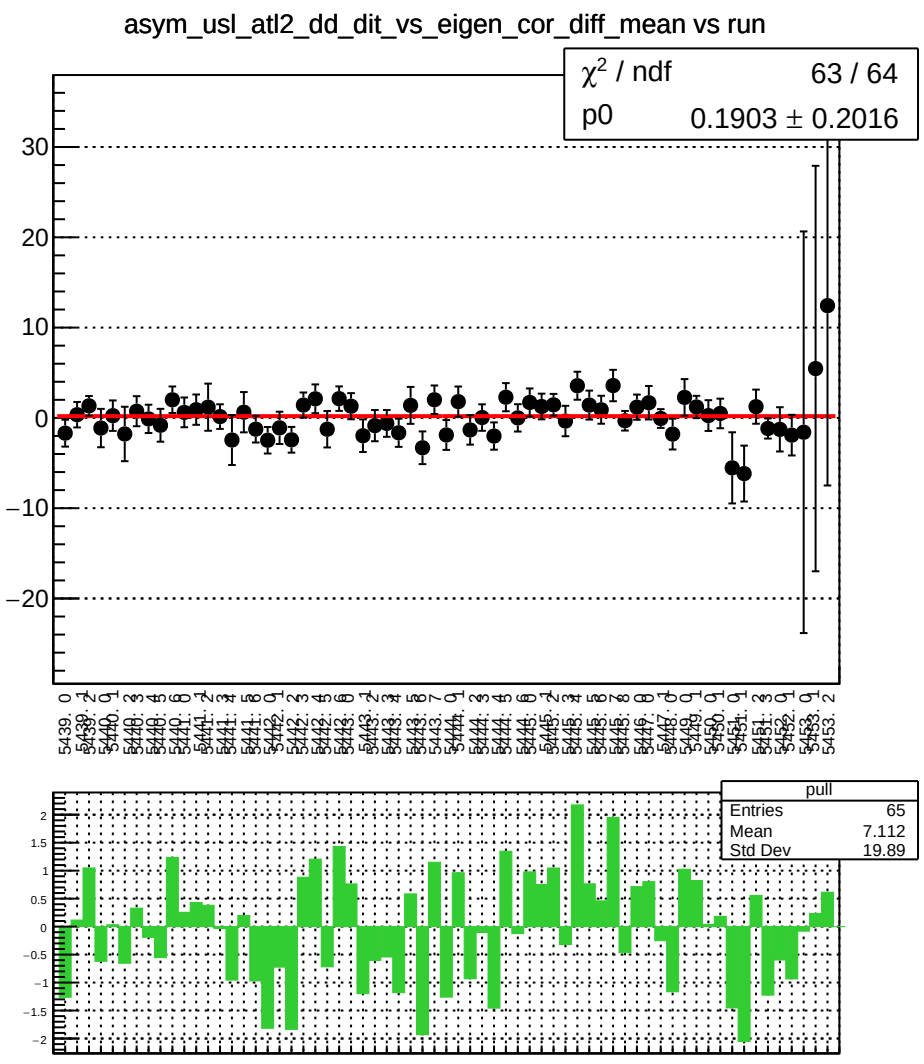

pull1D
Entries 65
Mean 0.04051
Std Dev 1.062

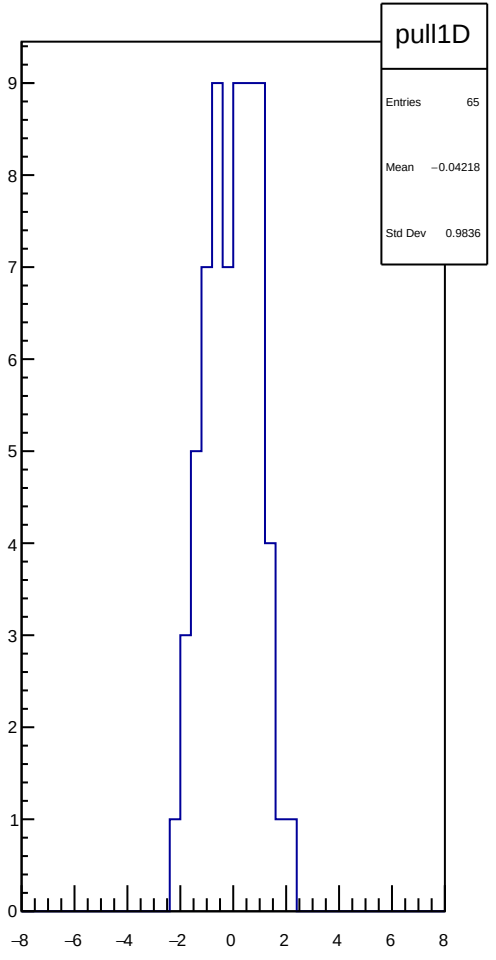

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.558e+05 / 64
p0 7.998e−11 ± 9.176e−14
70
60
50
40
30
20
10
0

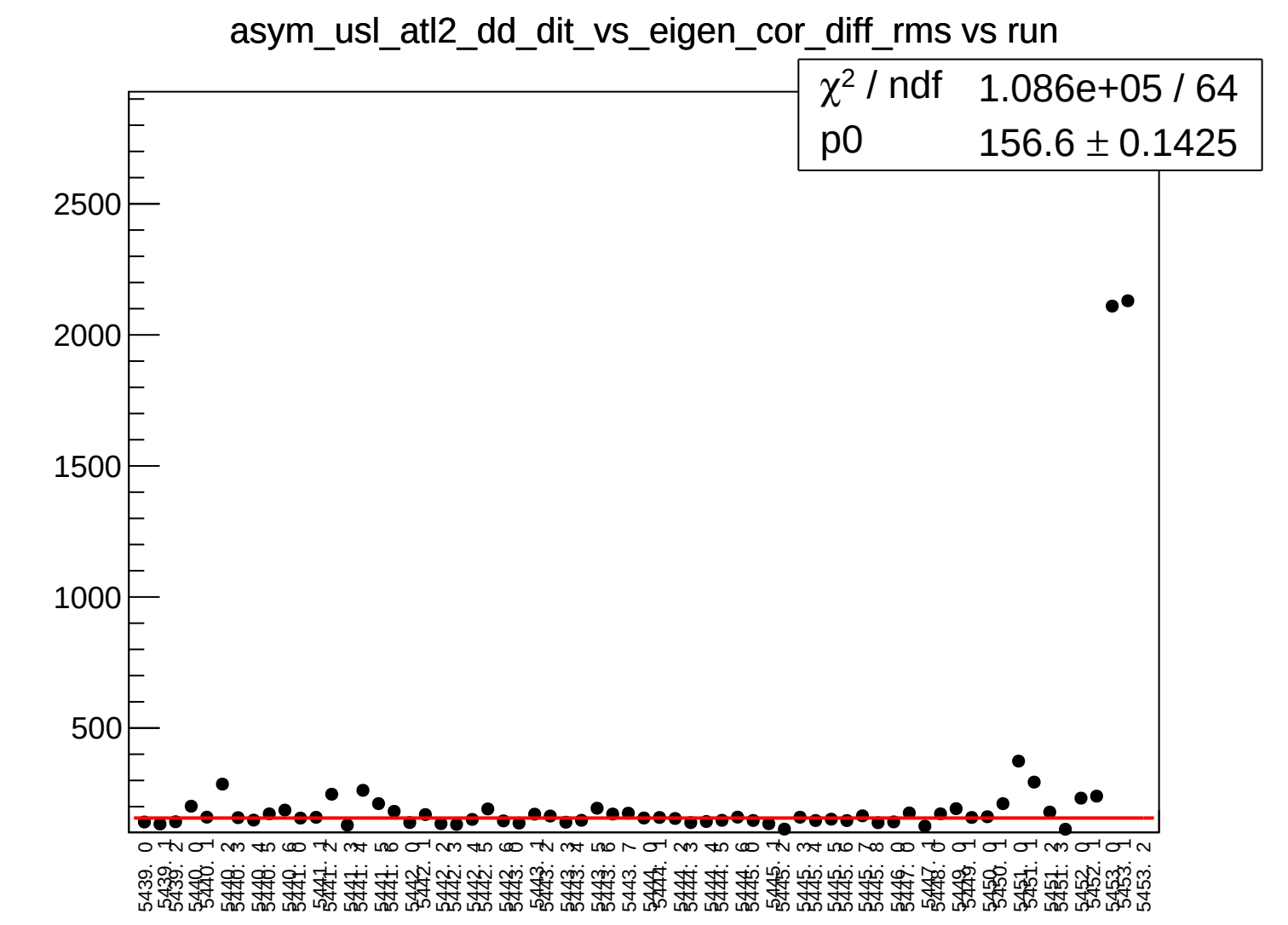

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63 / 64
p0 0.1903 ± 0.2016
pull
Entries 65
Mean 7.112
Std Dev 19.89

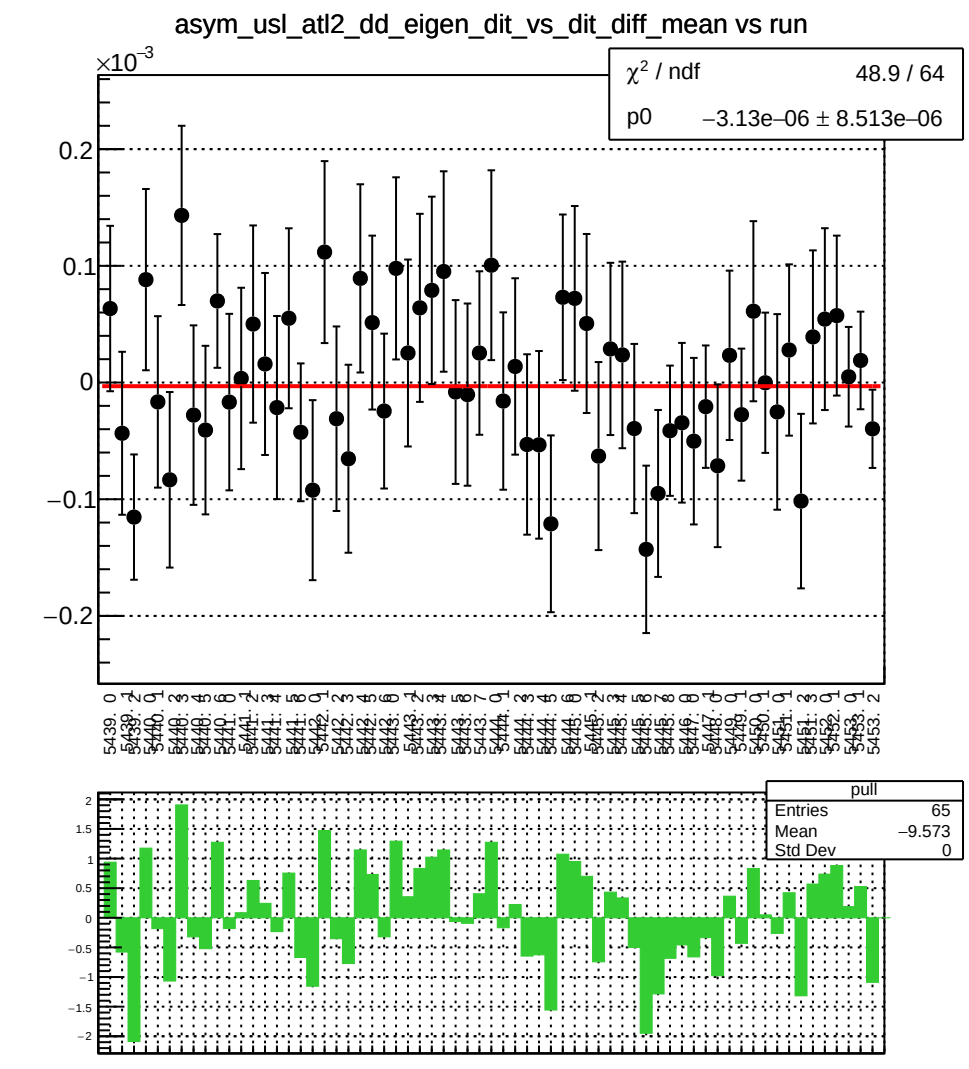

pull1D
Entries 65
Mean −0.04218
Std Dev 0.9836

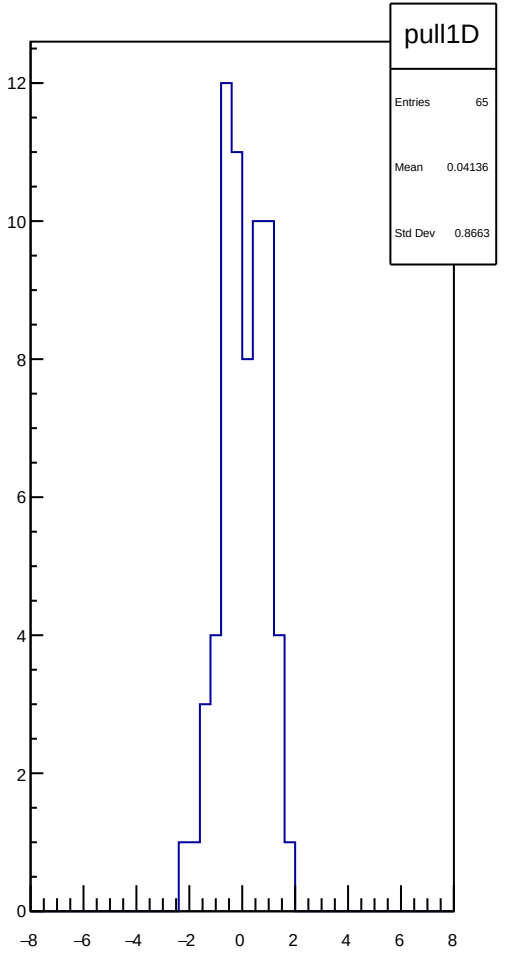

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.086e+05 / 64
p0 156.6 ± 0.1425
2500
2000
1500
1000
500

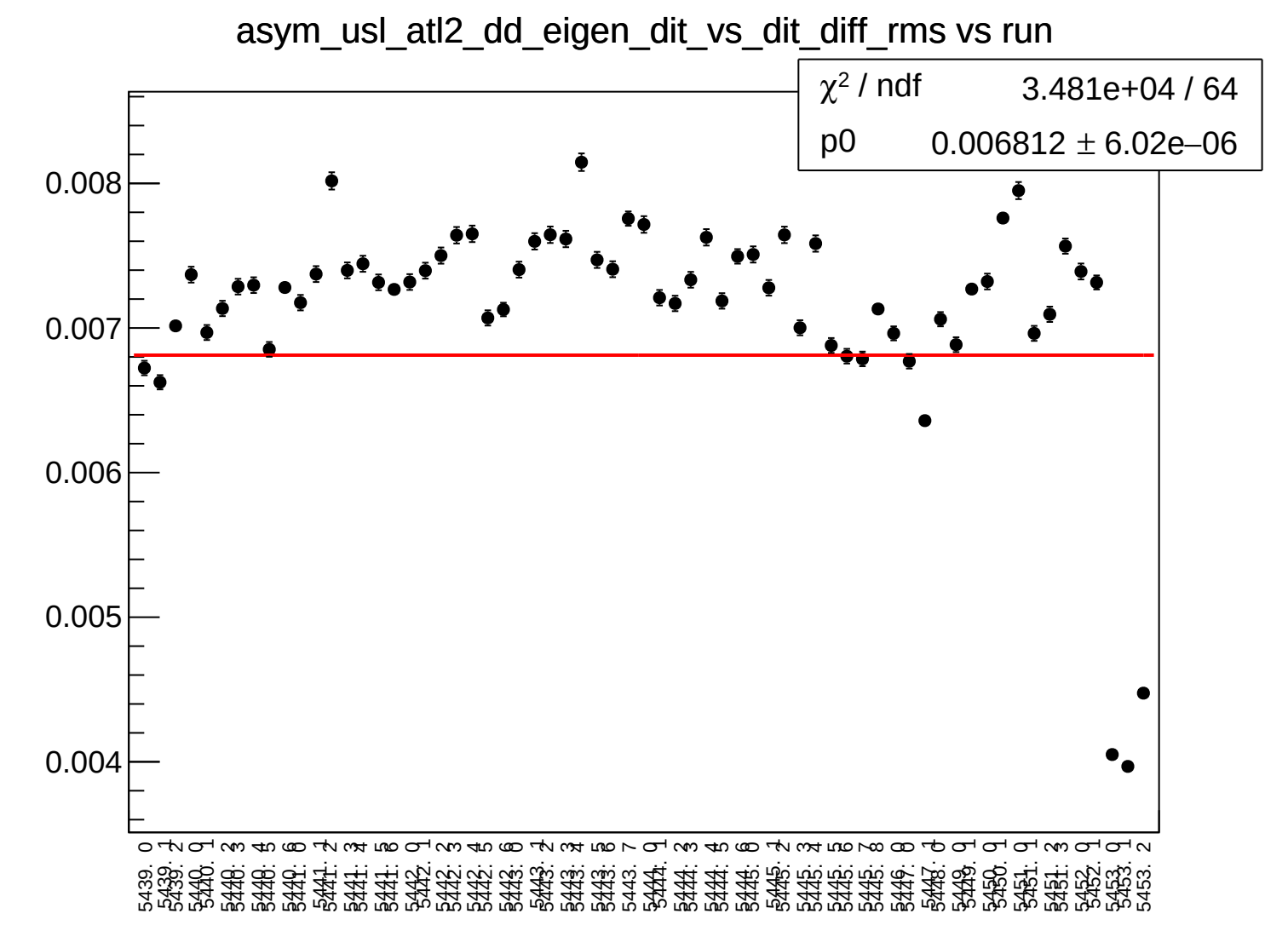

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63 / 64
p0 0.1903 ± 0.2016
pull
Entries 65
Mean 7.112
Std Dev 19.89

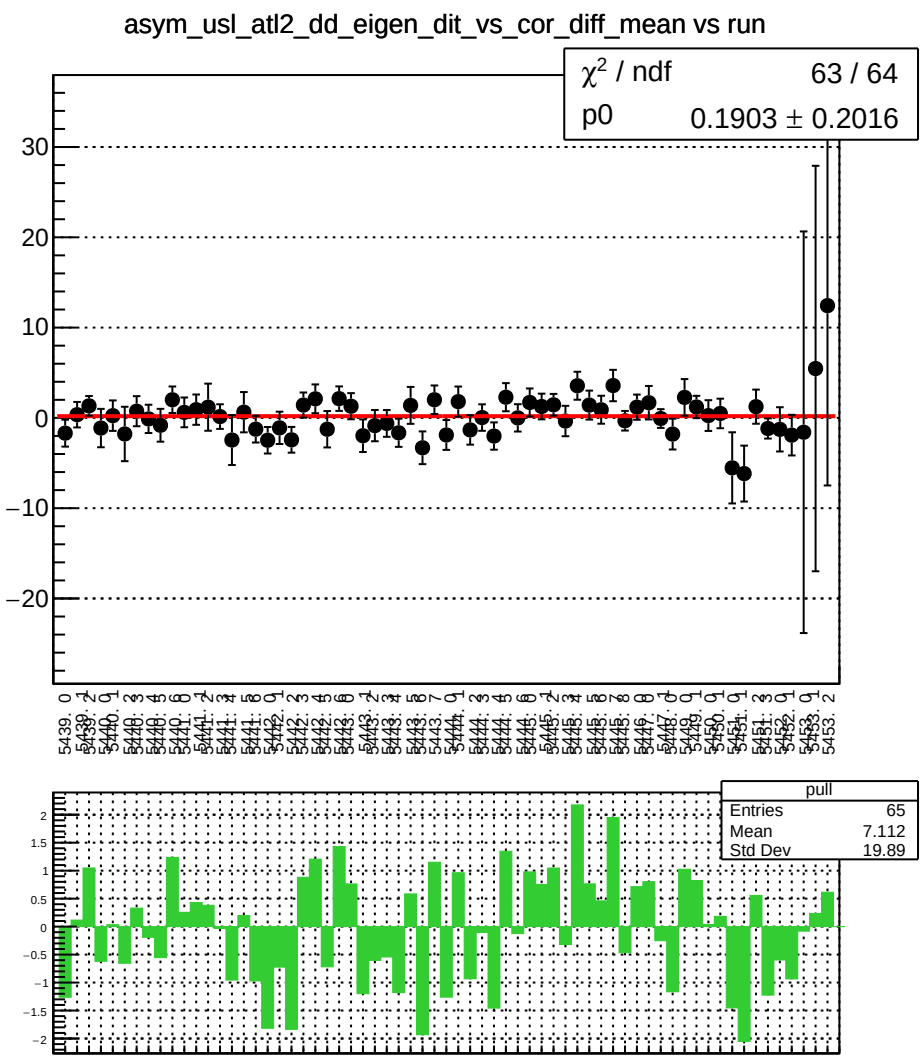

pull1D
Entries 65
Mean −0.04218
Std Dev 0.9836

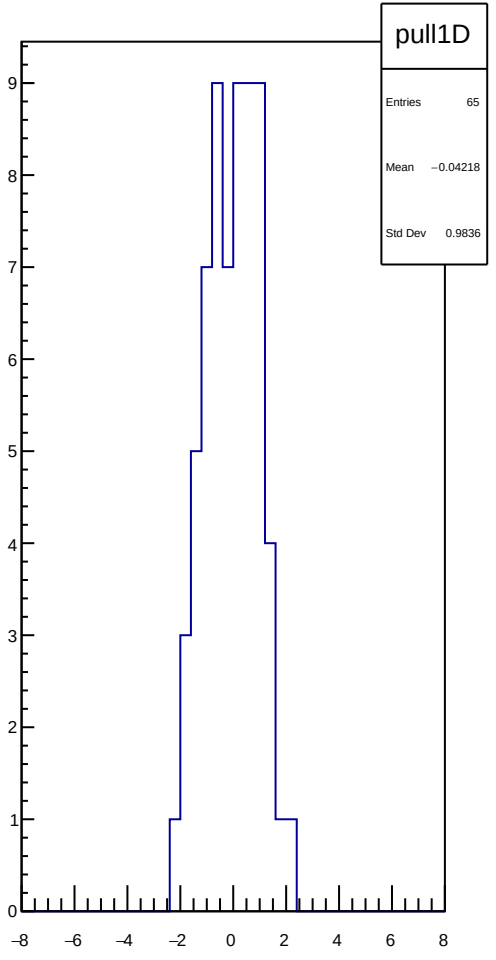

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.086e+05 / 64
p0 156.6 ± 0.1425
2500
2000
1500
1000
500

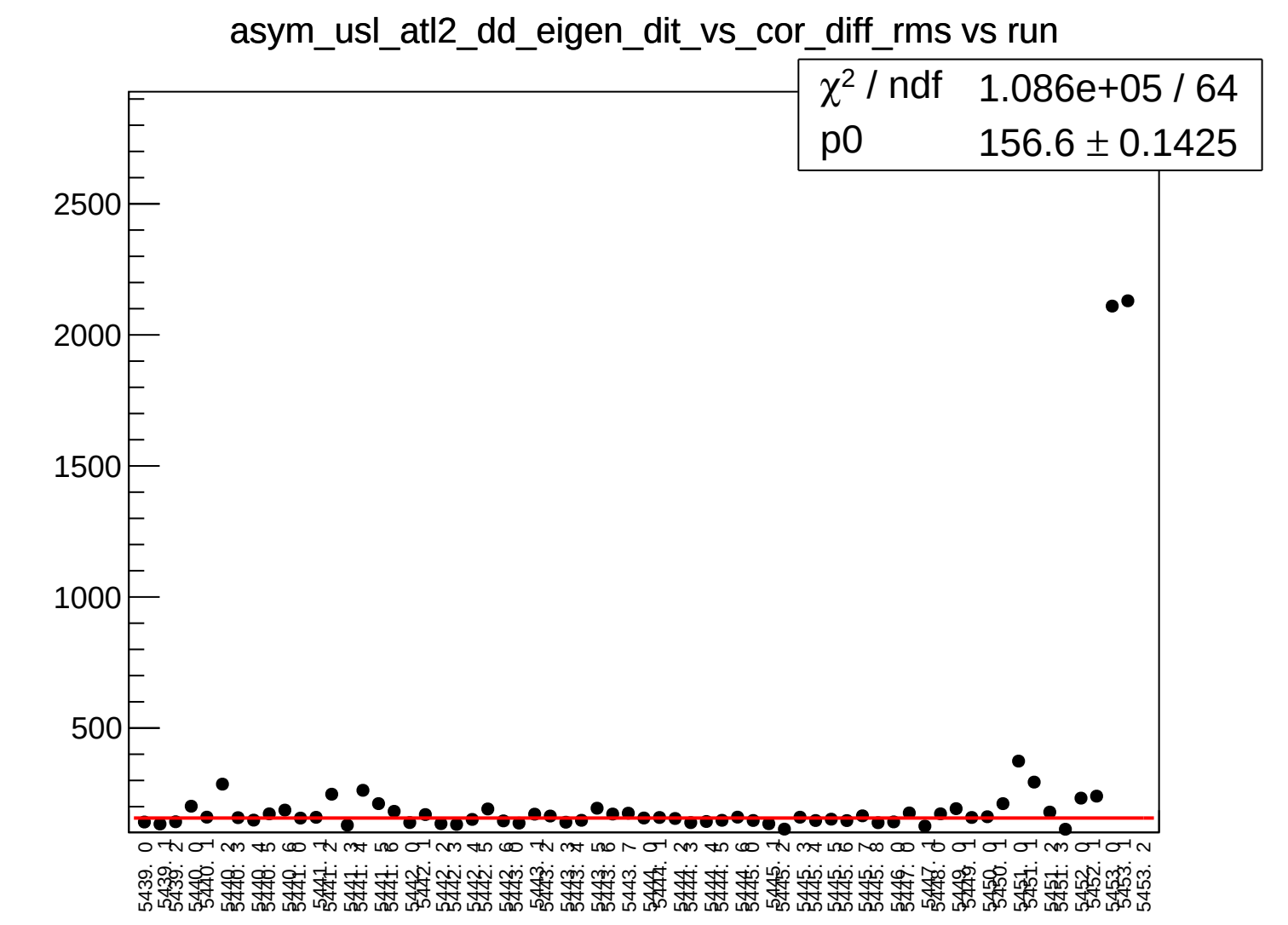

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.9 / 64
p0 −3.13e−06 ± 8.513e−06
pull
Entries 65
Mean −9.573
Std Dev 0

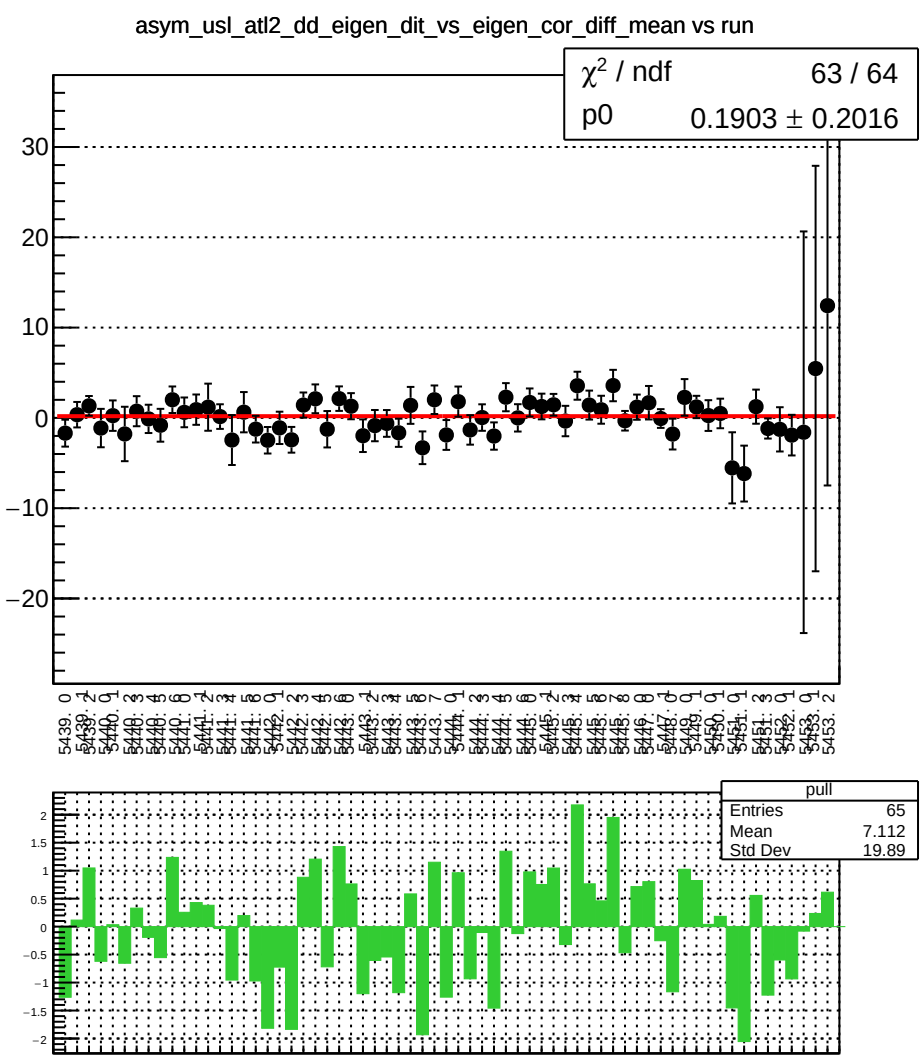

pull1D
Entries 65
Mean 0.04136
Std Dev 0.8663

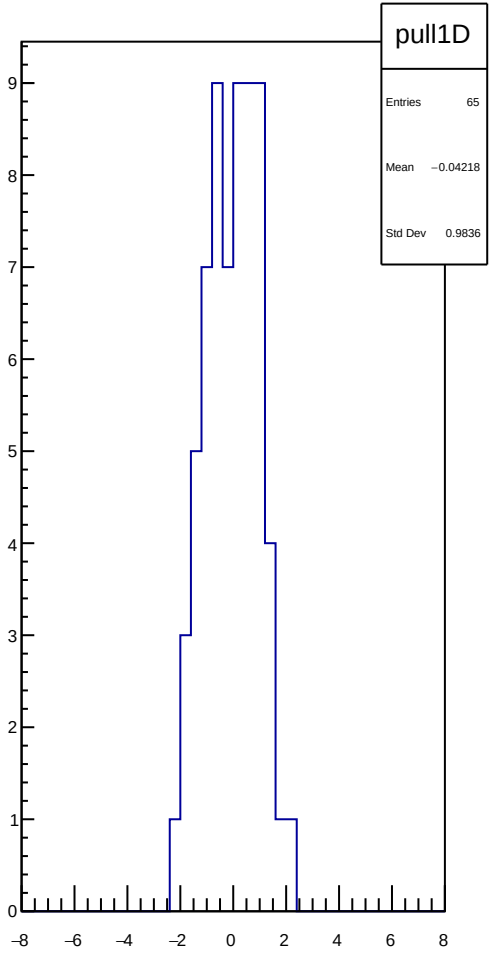

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.481e+04 / 64
p0 0.006812 ± 6.02e–06
0.008
0.007
0.006
0.005
0.004

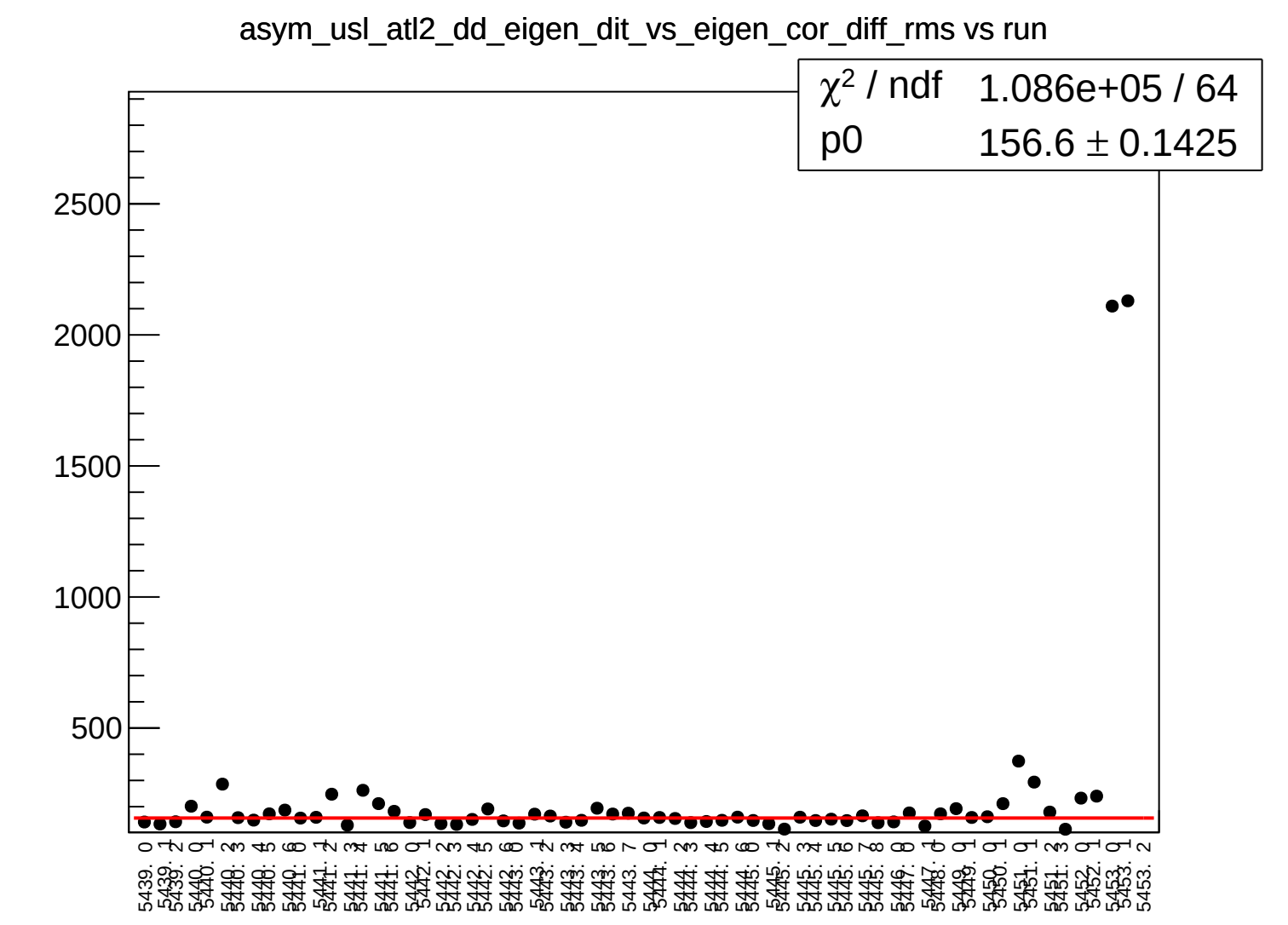

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63 / 64
p0 0.1903 ± 0.2016
pull
Entries 65
Mean 7.112
Std Dev 19.89

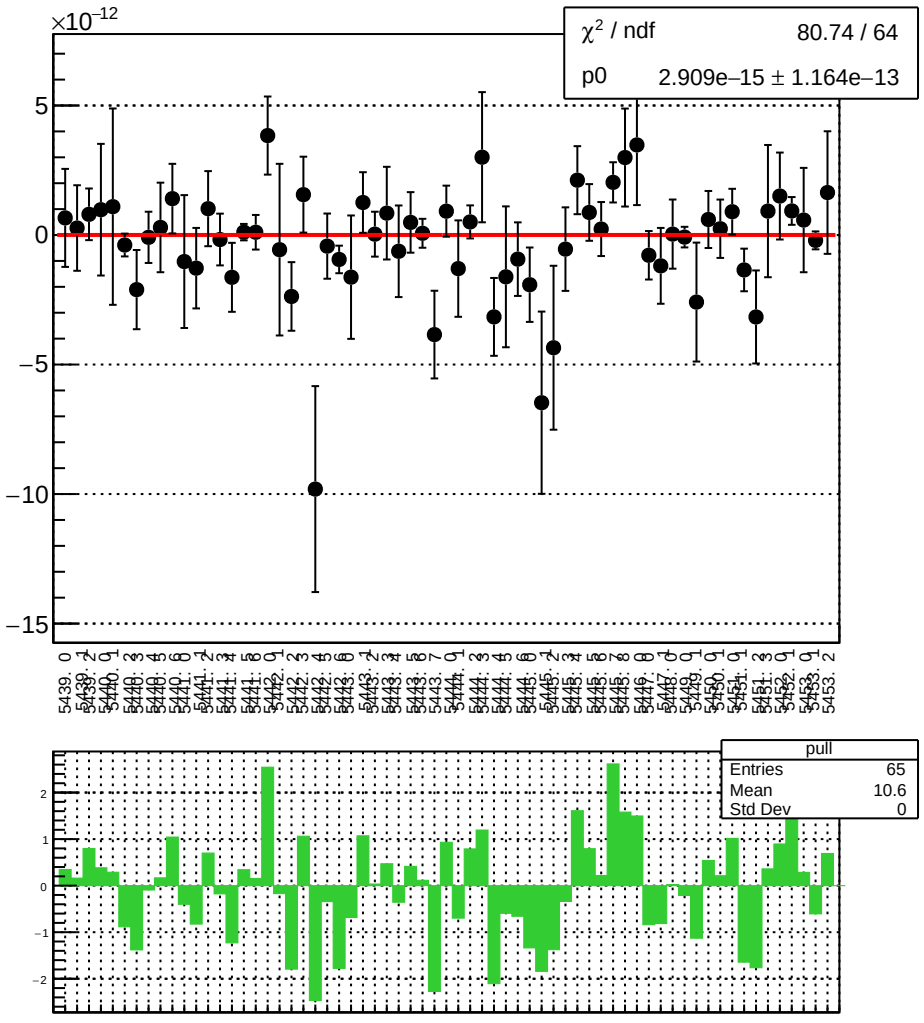

pull1D
Entries 65
Mean −0.04218
Std Dev 0.9836

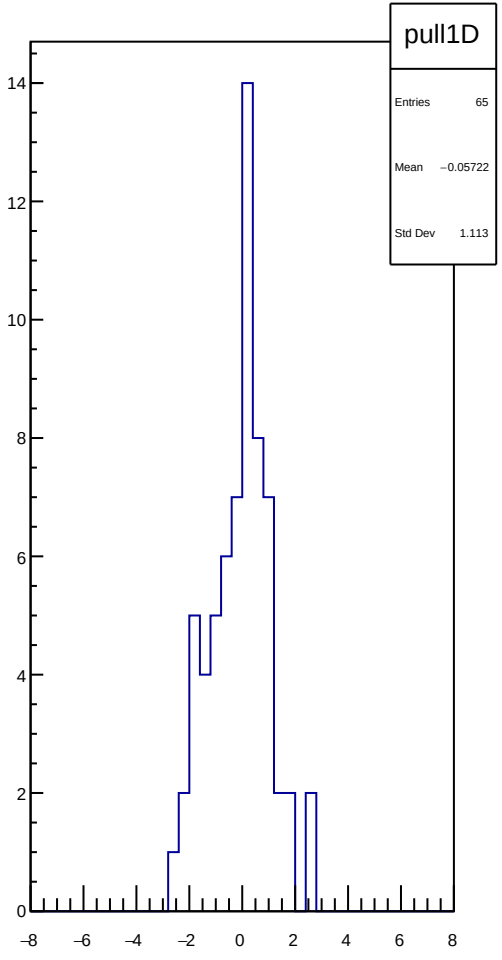

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.086e+05 / 64
p0 156.6 ± 0.1425
2500
2000
1500
1000
500

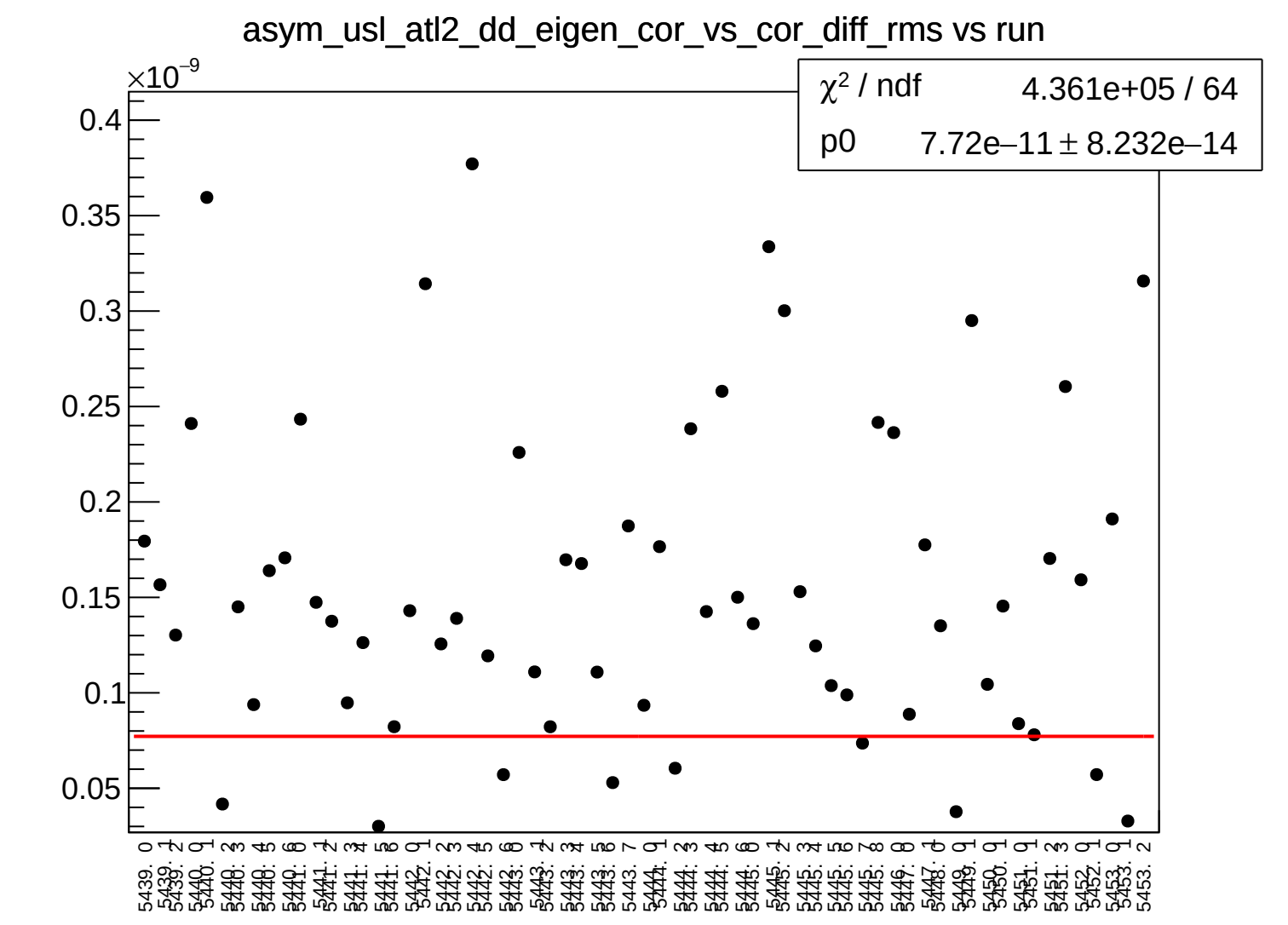

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63 / 64
p0 0.1903 ± 0.2016
pull
Entries 65
Mean 7.112
Std Dev 19.89

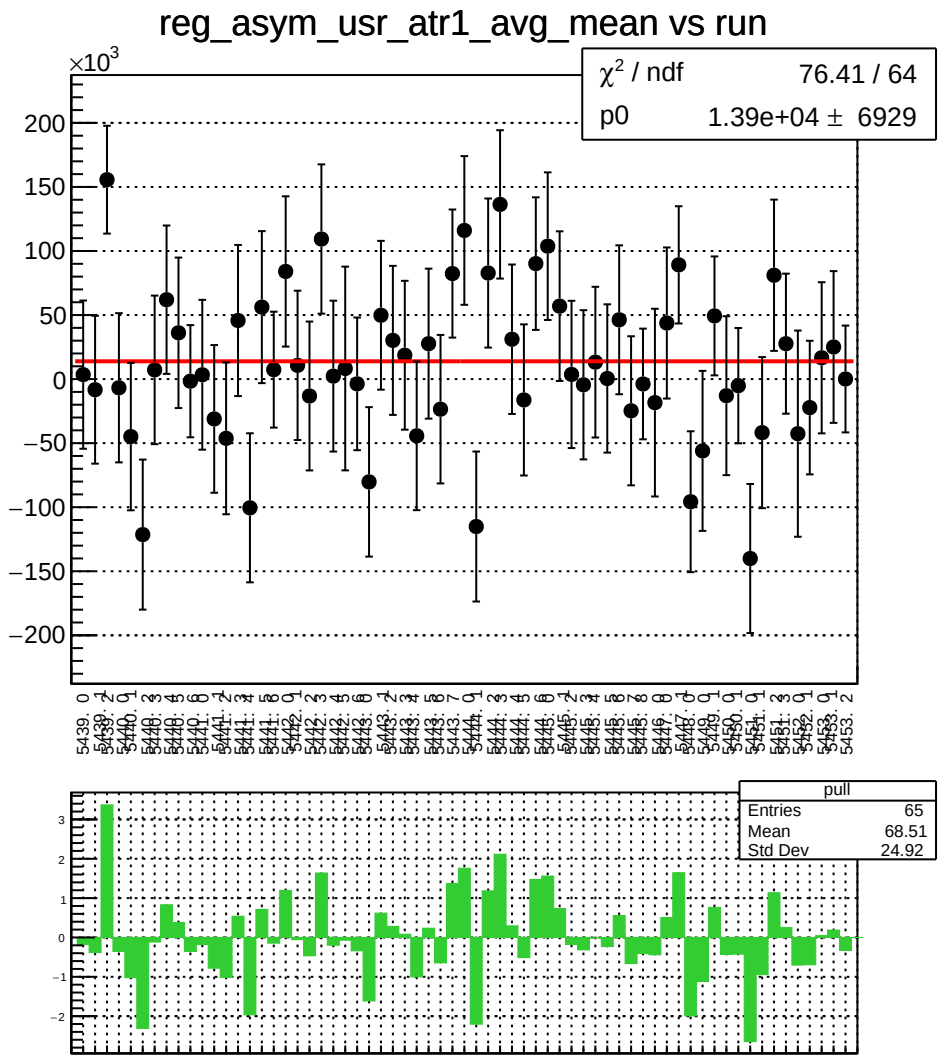

pull1D
Entries 65
Mean −0.04218
Std Dev 0.9836

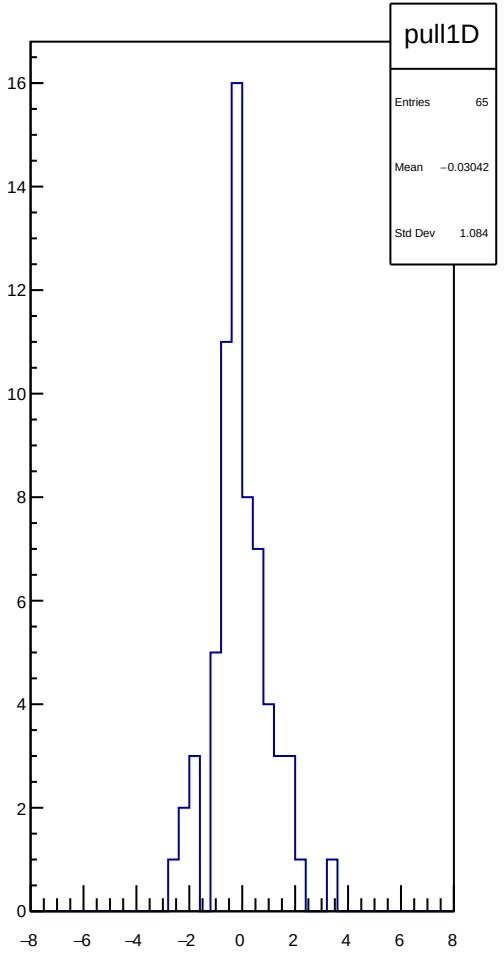

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.086e+05 / 64
p0 156.6 ± 0.1425
2500
2000
1500
1000
500

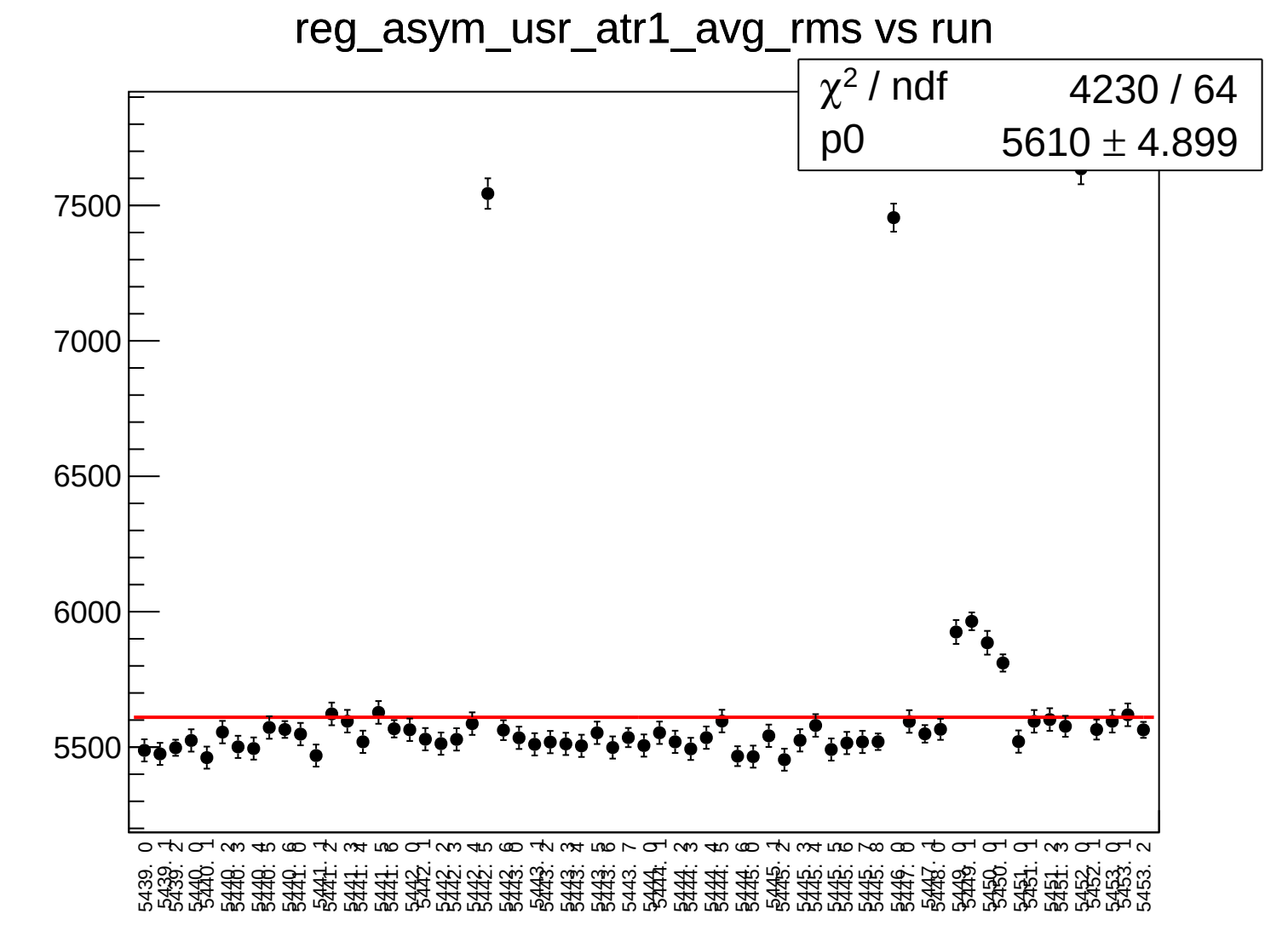

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.74 / 64
p0 2.909e−15 ± 1.164e−13
pull
Entries 65
Mean 10.6
Std Dev 0

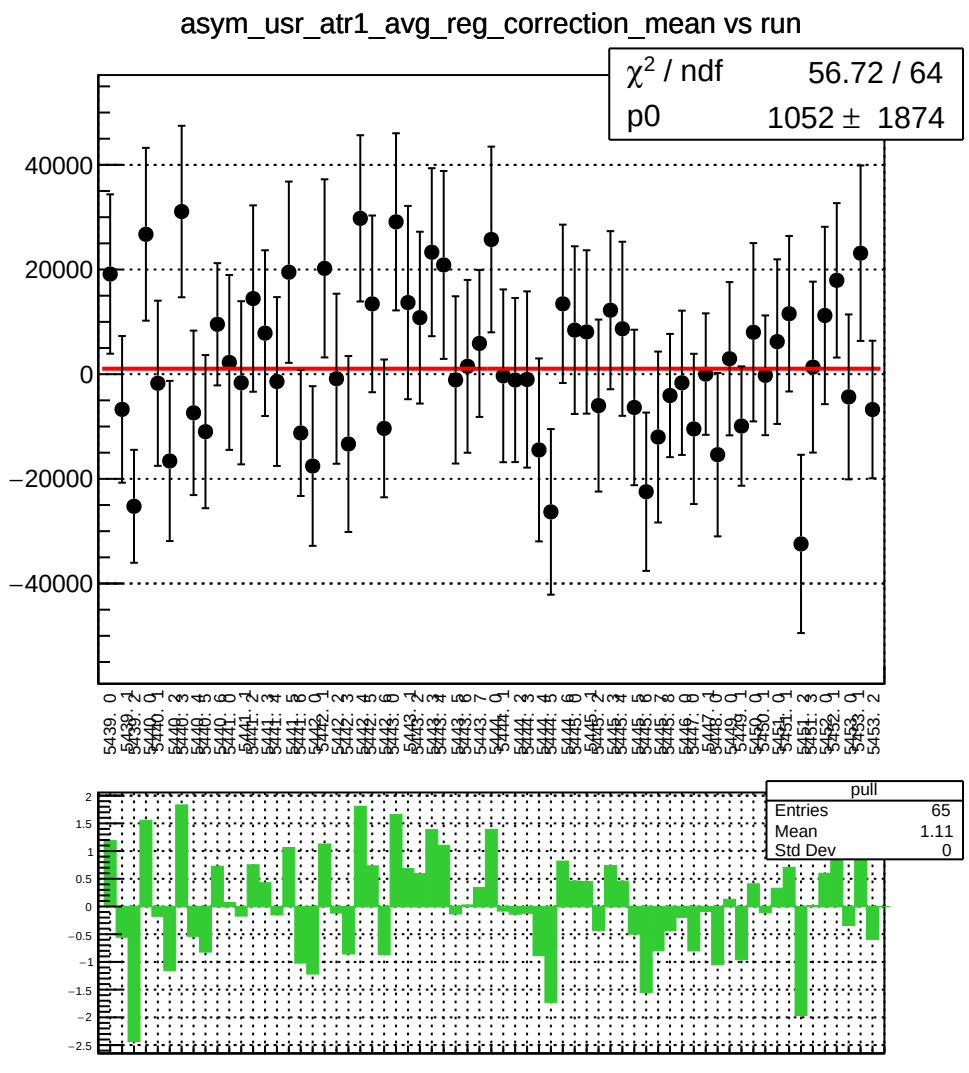

pull1D
Entries 65
Mean −0.05722
Std Dev 1.113

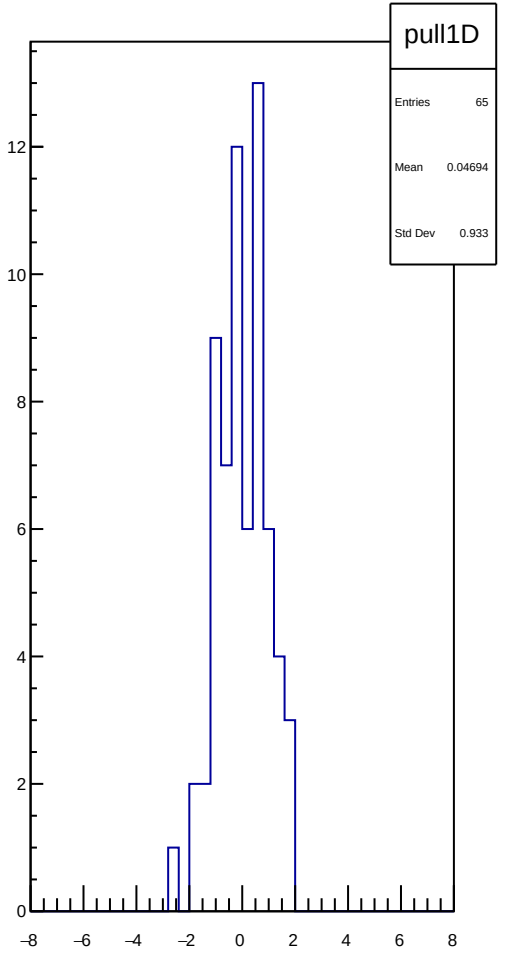

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.361e+05 / 64
p0 7.72e−11 ± 8.232e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

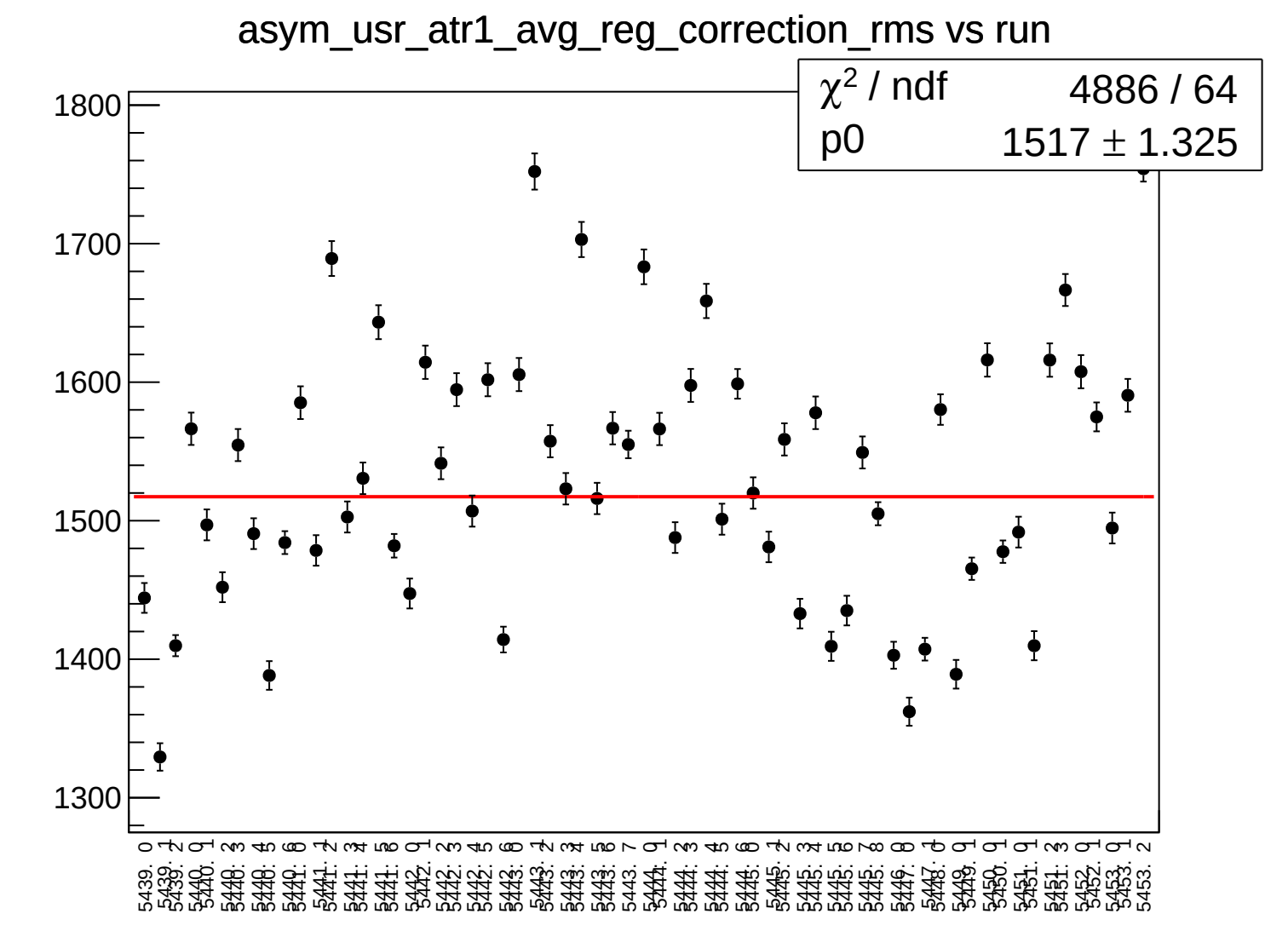

reg_asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 76.41 / 64
p0 1.39e+04 ± 6929
pull
Entries 65
Mean 68.51
Std Dev 24.92

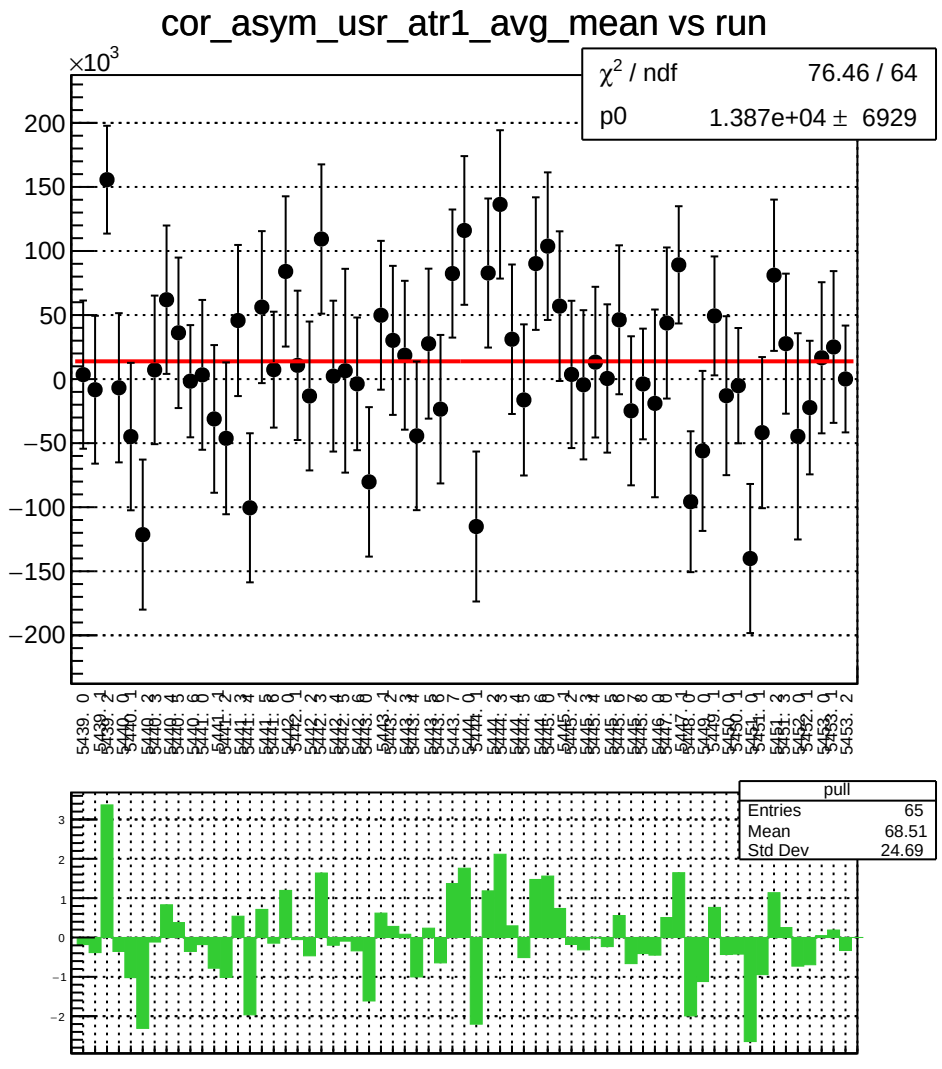

pull1D
Entries 65
Mean −0.03042
Std Dev 1.084

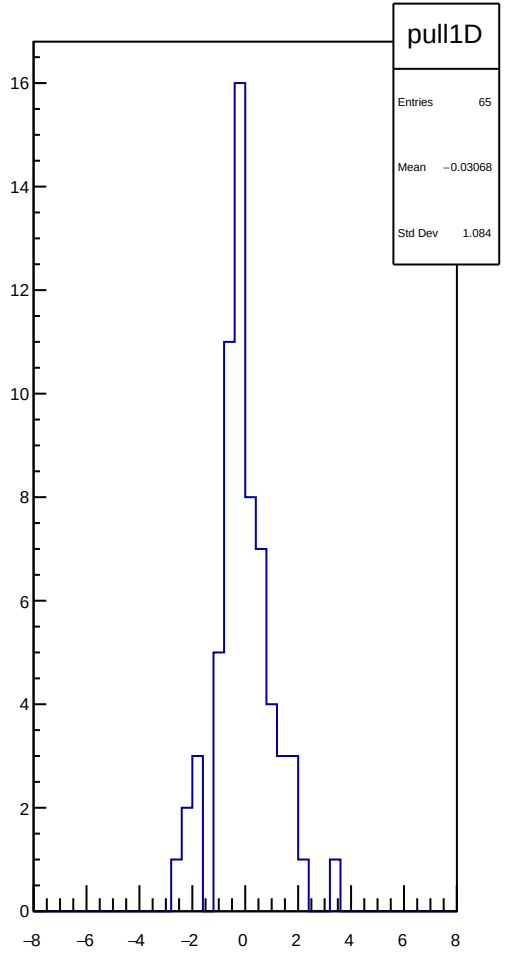

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 4230 / 64
p0 5610 ± 4.899
7500
7000
6500
6000
5500

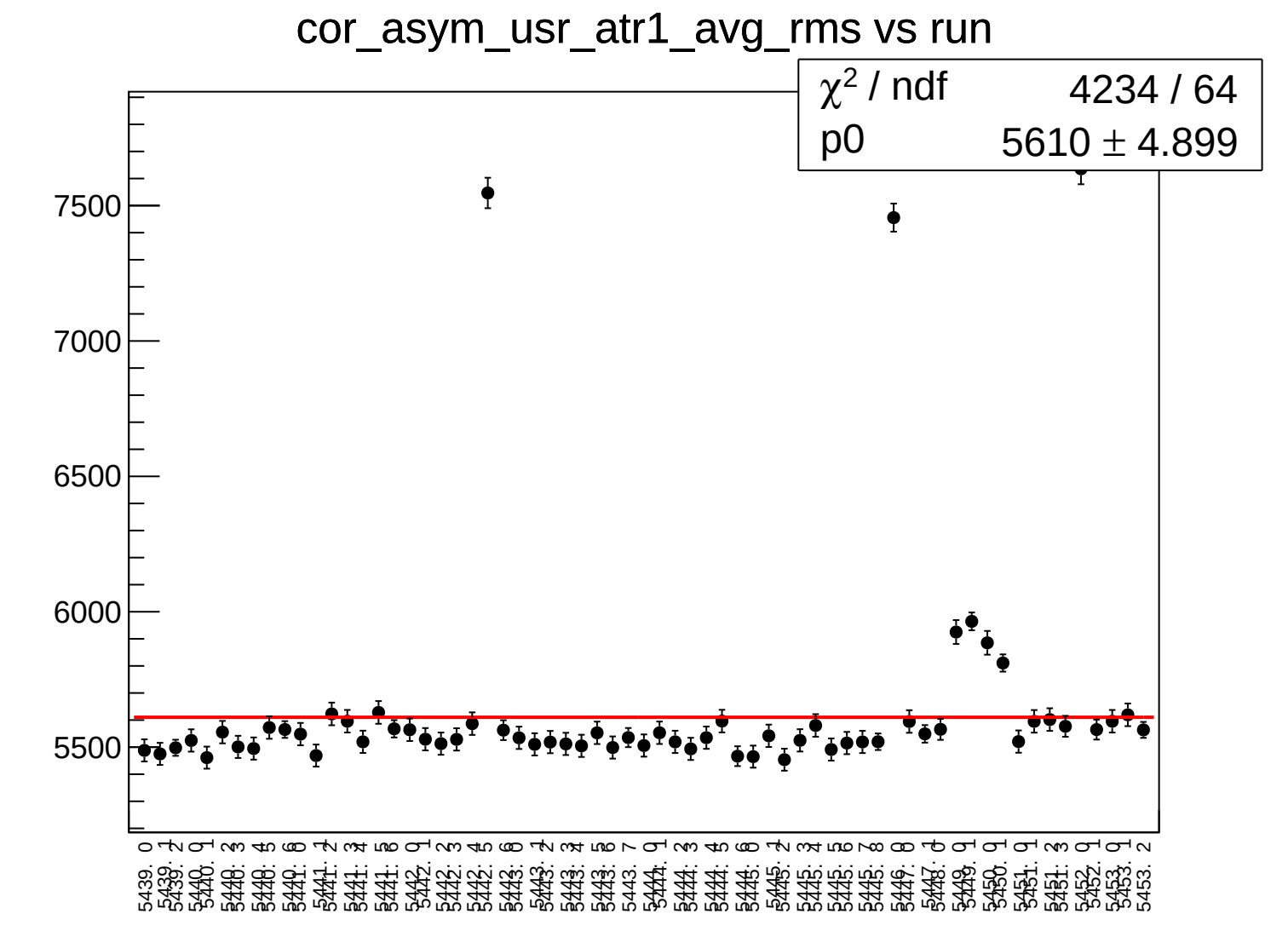

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 56.72 / 64
p0 1052 ± 1874
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 1.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

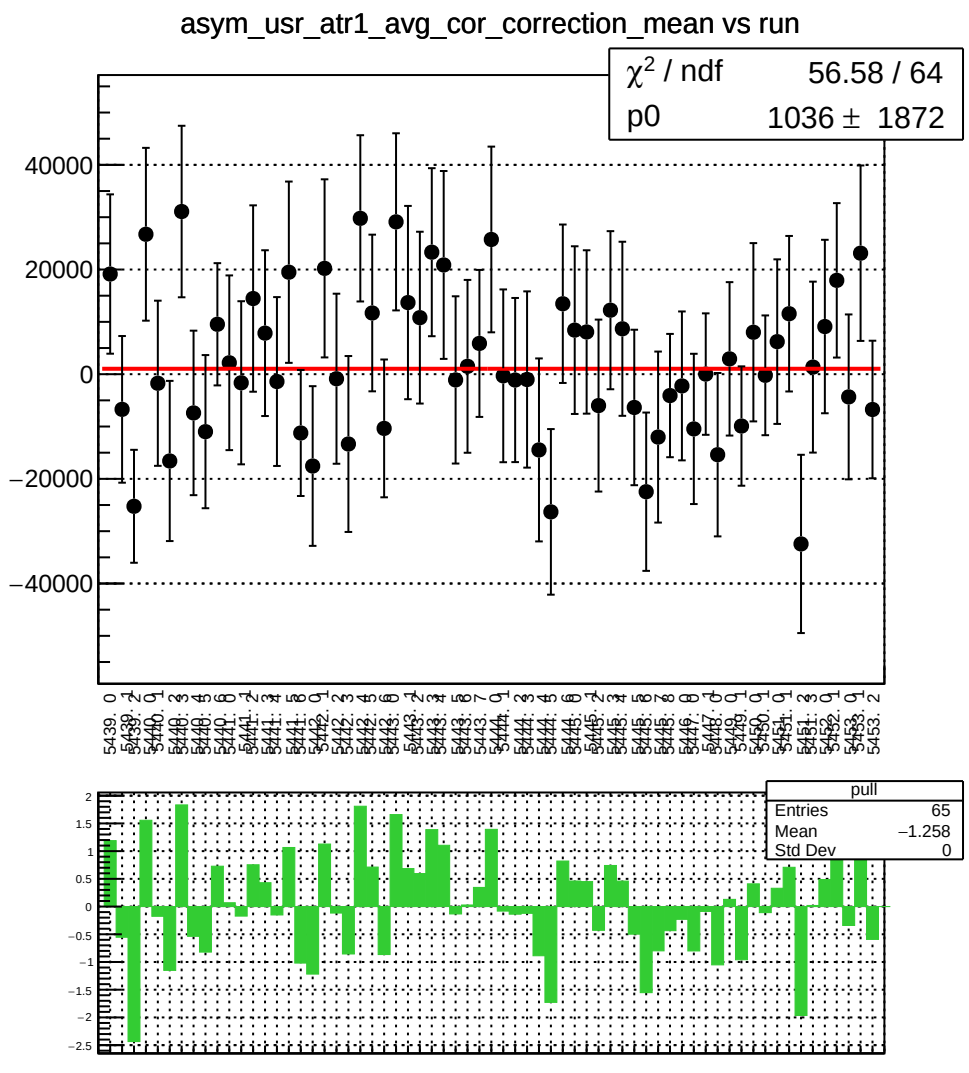

pull1D
Entries 65
Mean 0.04694
Std Dev 0.933
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

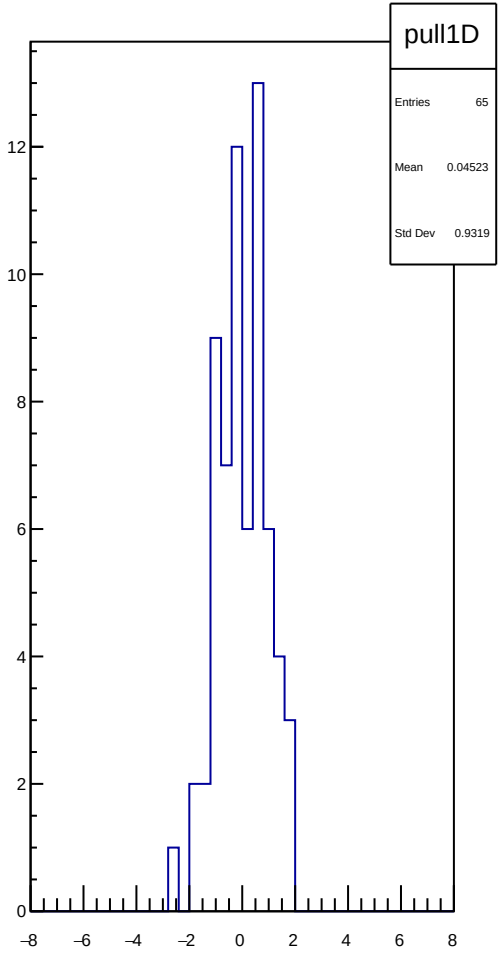

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 4886 / 64
p0 1517 ± 1.325
1800
1700
1600
1500
1400
1300


cor_asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 76.46 / 64
p0 1.387e+04 ± 6929
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 68.51
Std Dev 24.69
3
2
1
0
−1
−2


pull1D
Entries 65
Mean −0.03068
Std Dev 1.084
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 4234 / 64
p0 5610 ± 4.899
7500
7000
6500
6000
5500


asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 56.58 / 64
p0 1036 ± 1872
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −1.258
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 65
Mean 0.04523
Std Dev 0.9319
12
10
8
6
4
2
0
−8
−6
−4
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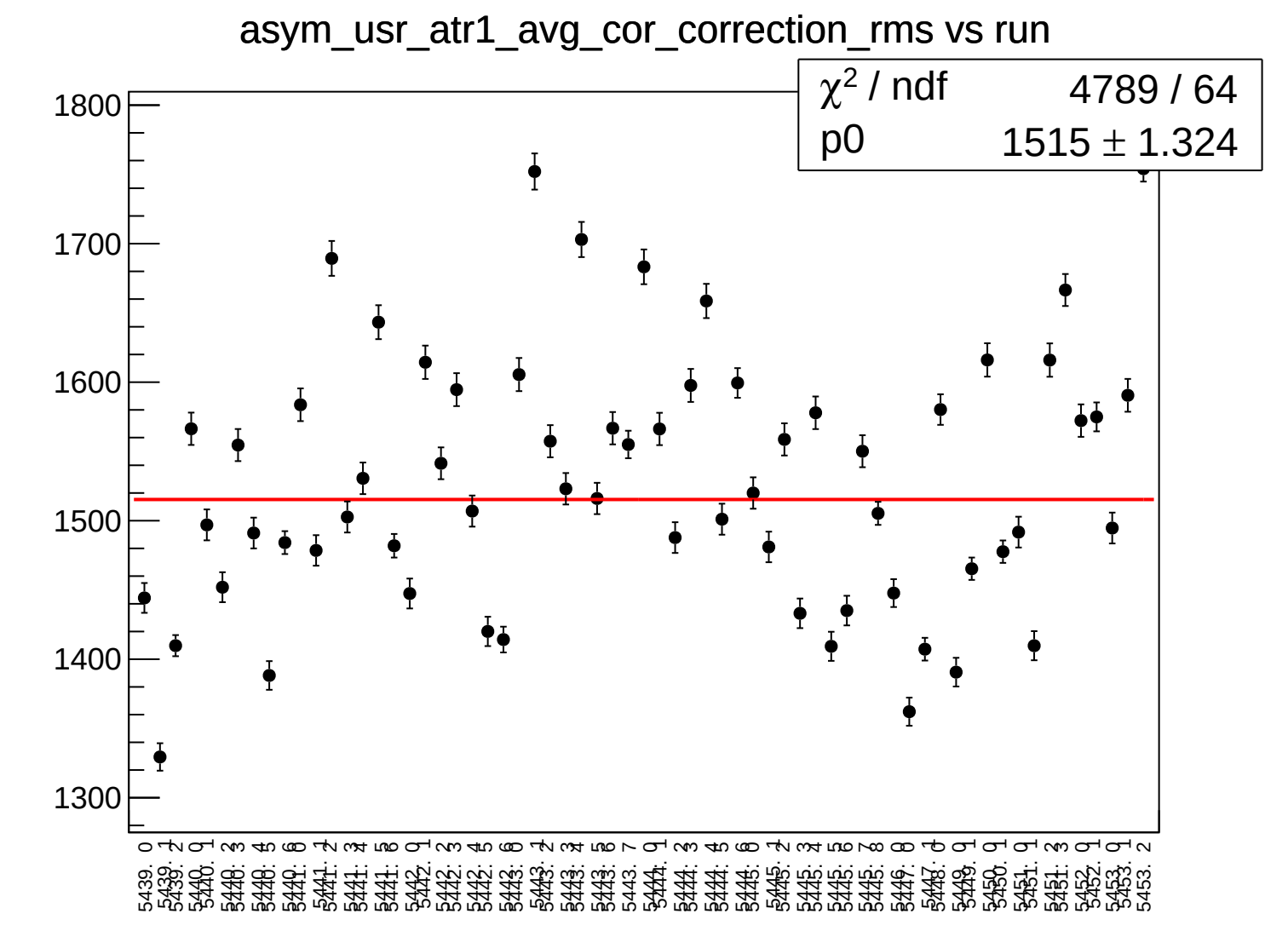
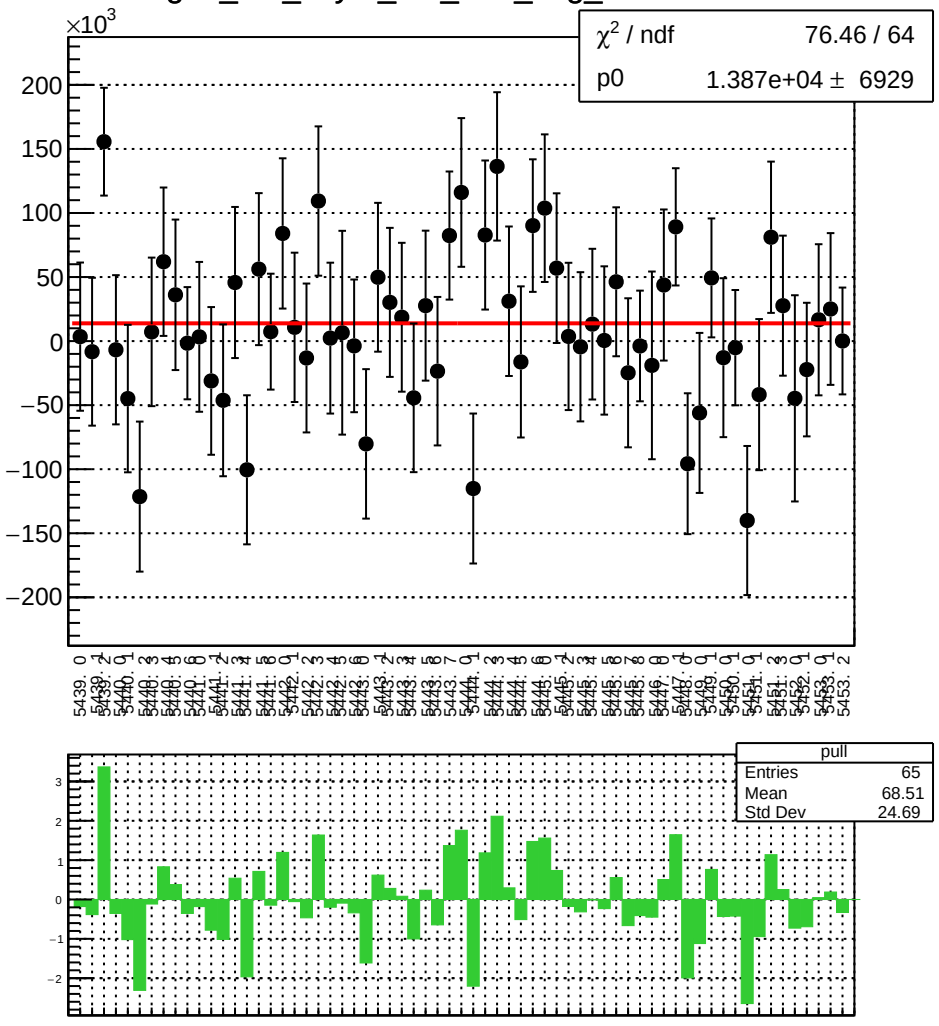
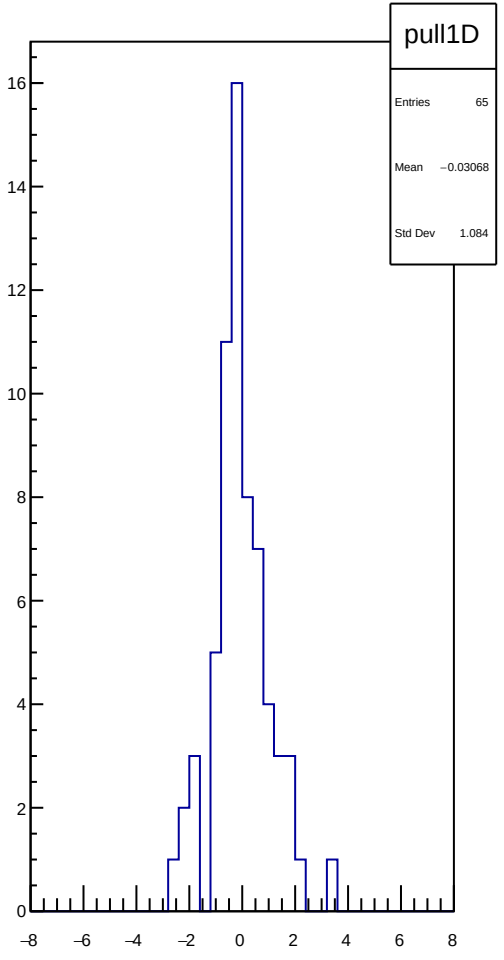
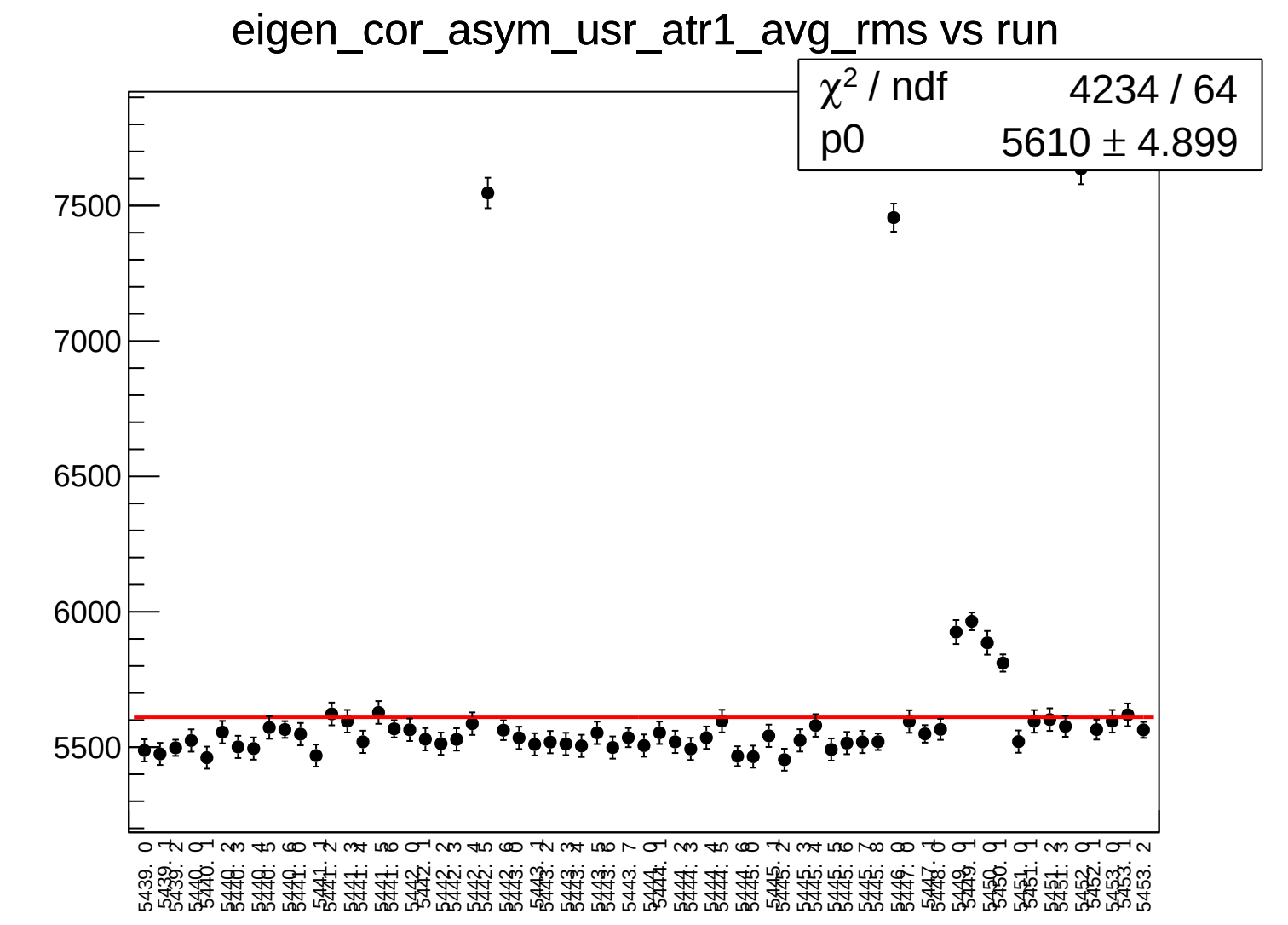
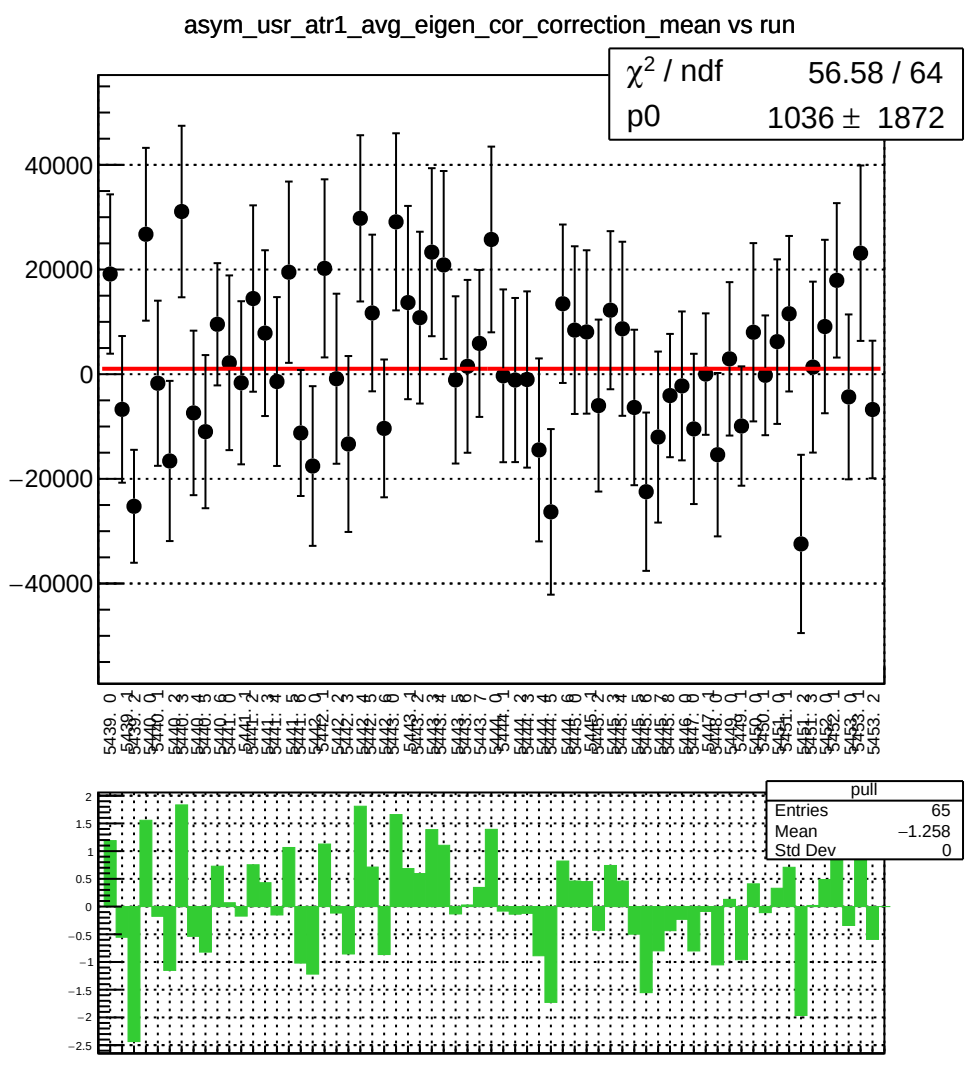
0
2
4
6
8

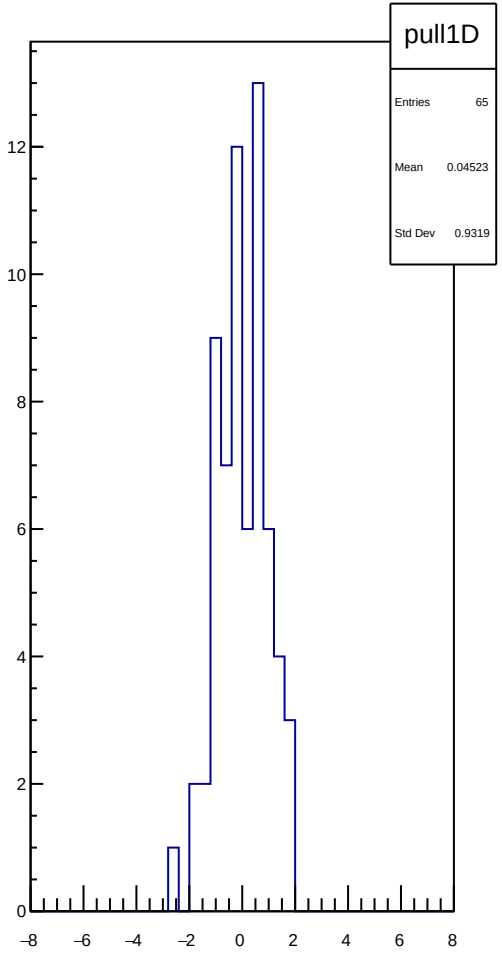

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 4789 / 64
p0 1515 ± 1.324
1800
1700
1600
1500
1400
1300


eigen_cor_asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 76.46 / 64
p0 1.387e+04 ± 6929
pull
Entries 65
Mean 68.51
Std Dev 24.69


pull1D
Entries 65
Mean −0.03068
Std Dev 1.084


eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 4234 / 64
p0 5610 ± 4.899
7500
7000
6500
6000
5500


asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.58 / 64
p0 1036 ± 1872
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −1.258
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 65
Mean 0.04523
Std Dev 0.9319
12
10
8
6
4
2
0
−8
−6
−4
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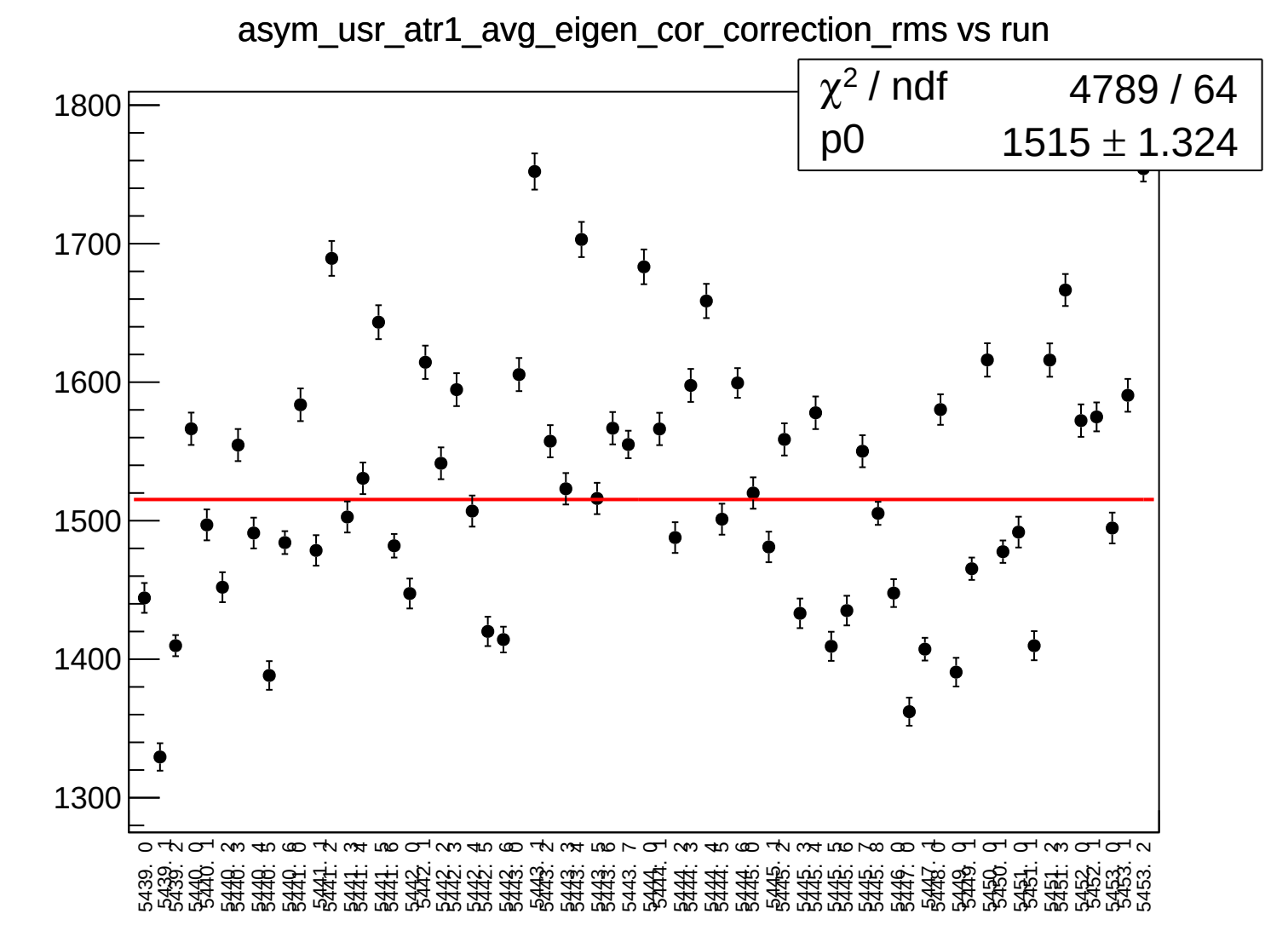
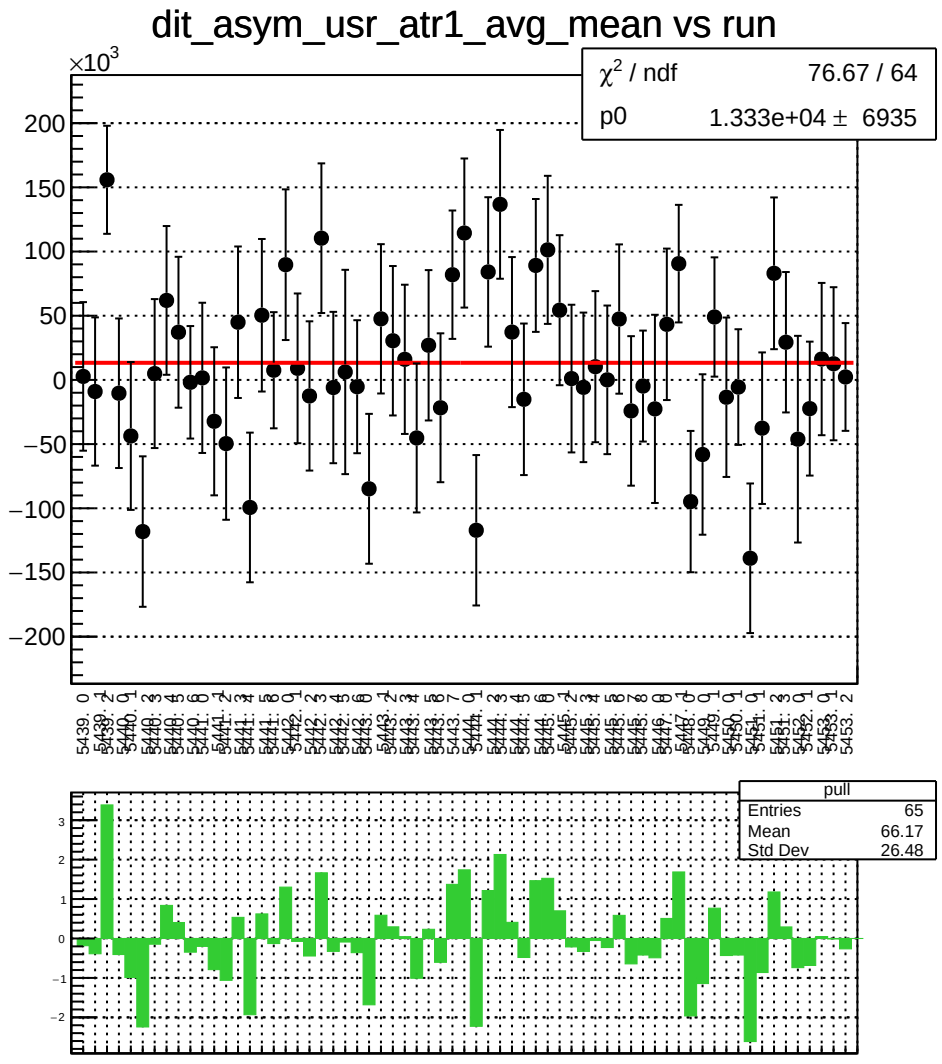
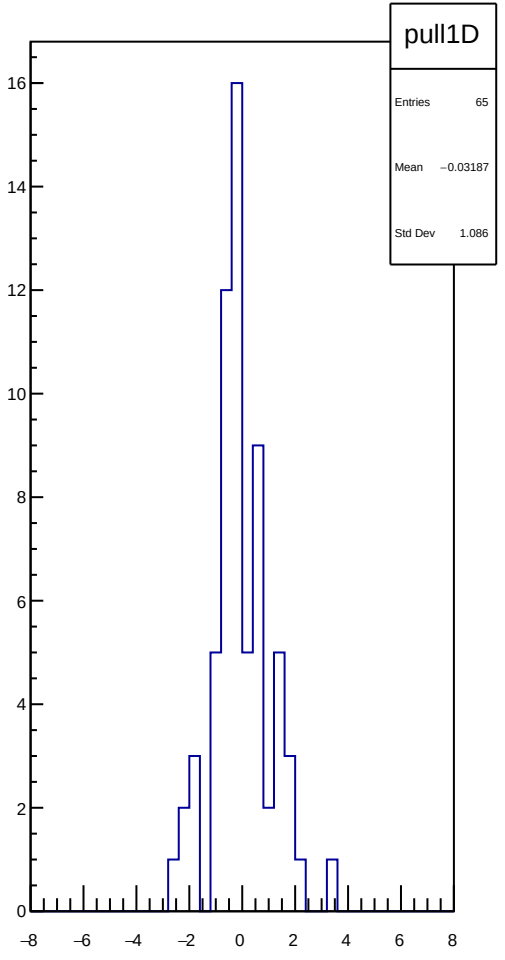
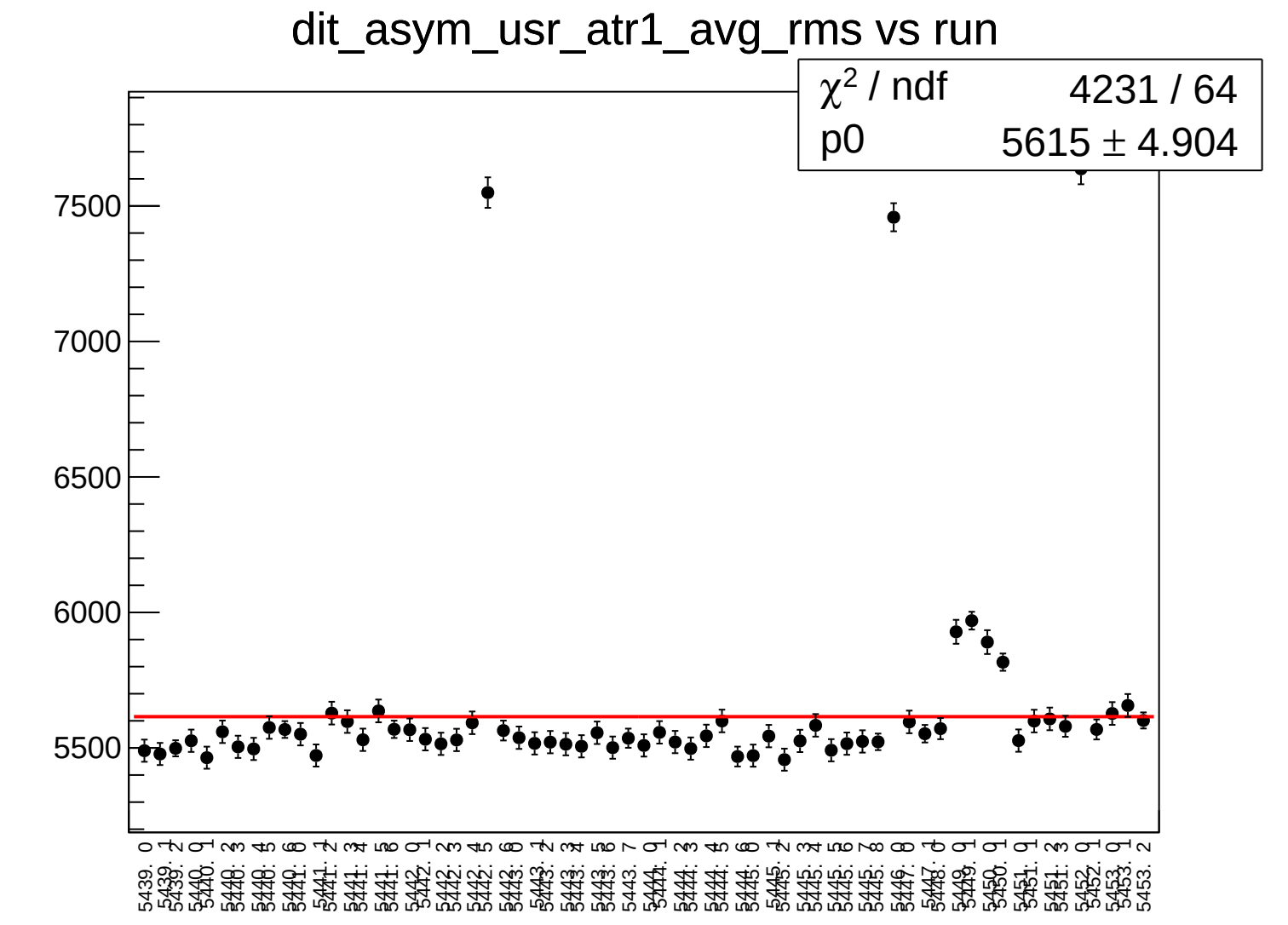
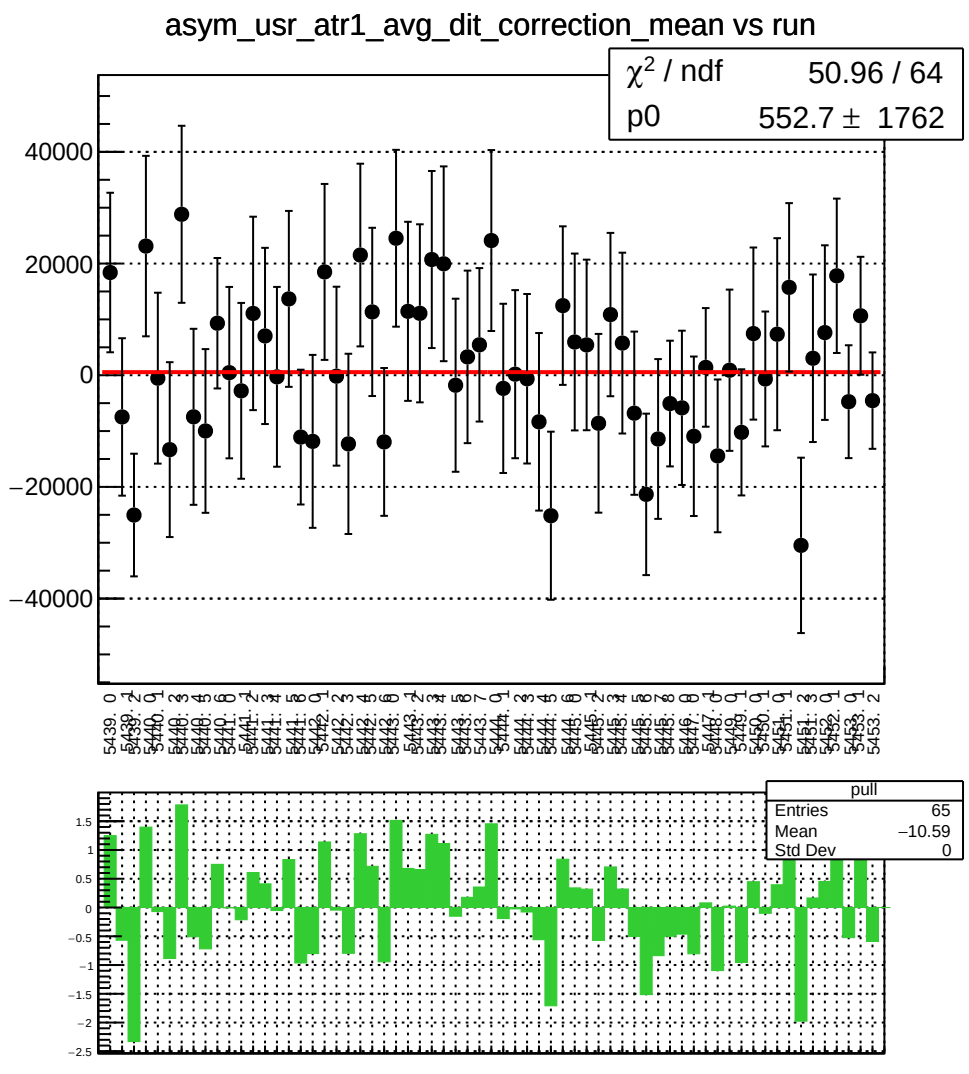
0
2
4
6
8

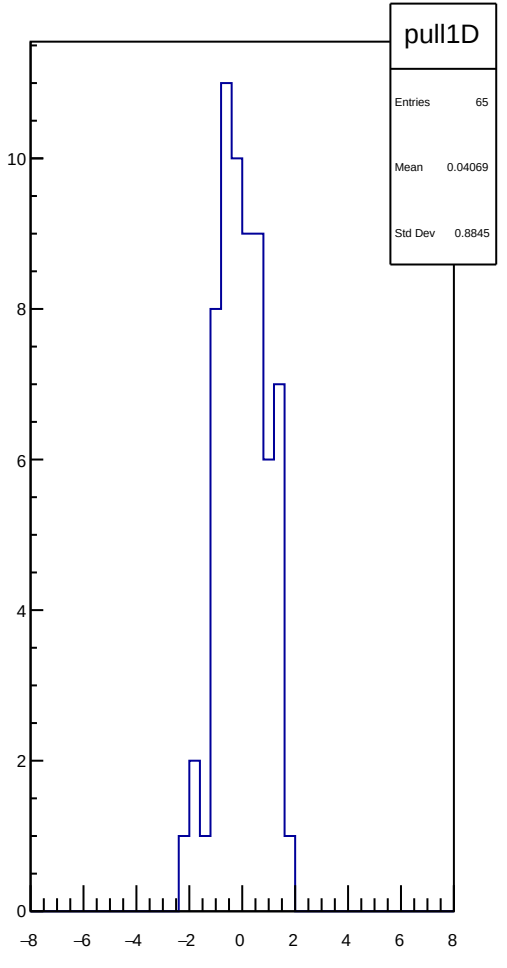

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 4789 / 64
p0 1515 ± 1.324
1800
1700
1600
1500
1400
1300

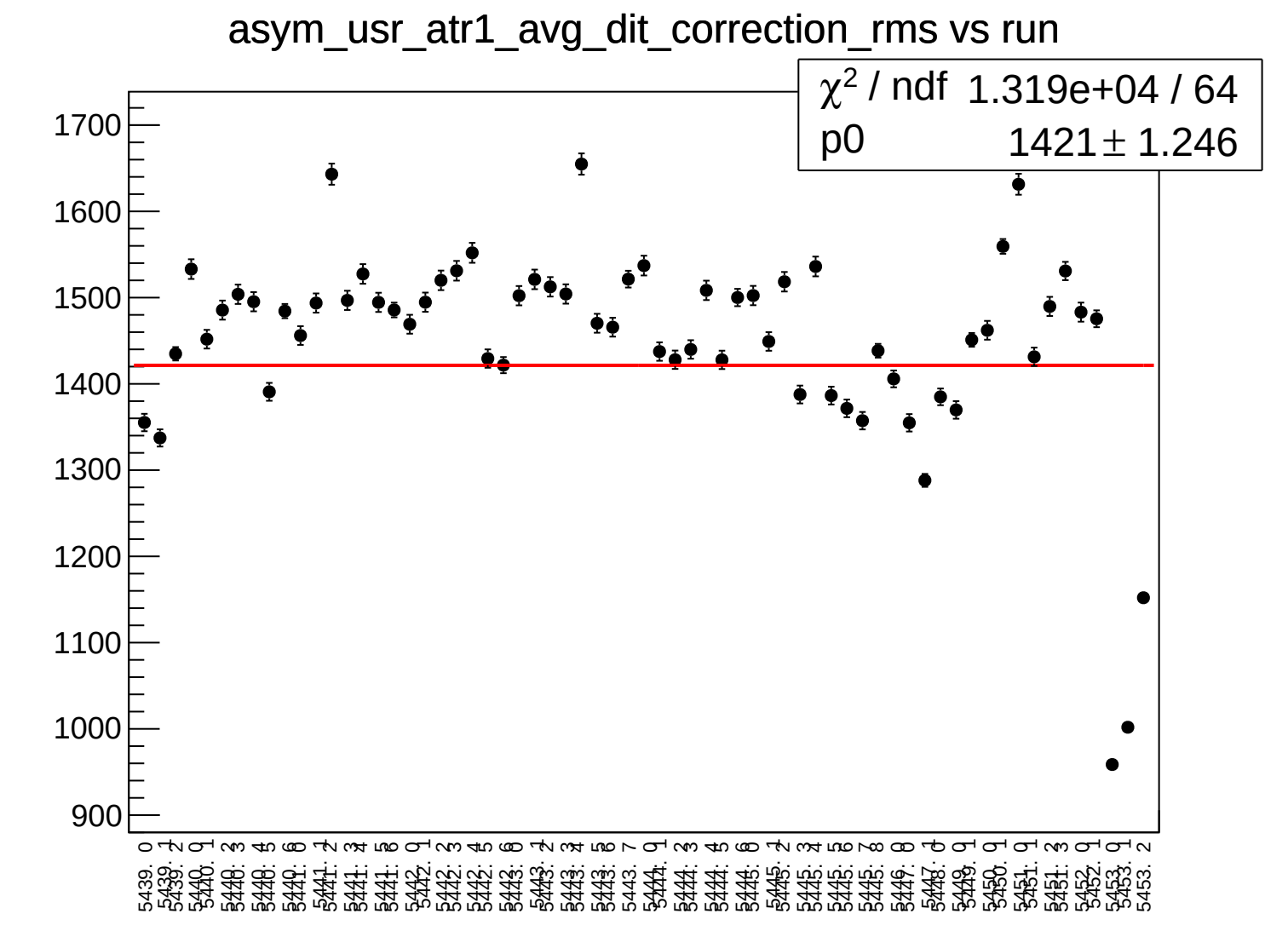

dit_asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 76.67 / 64
p0 1.333e+04 ± 6935
pull
Entries 65
Mean 66.17
Std Dev 26.48

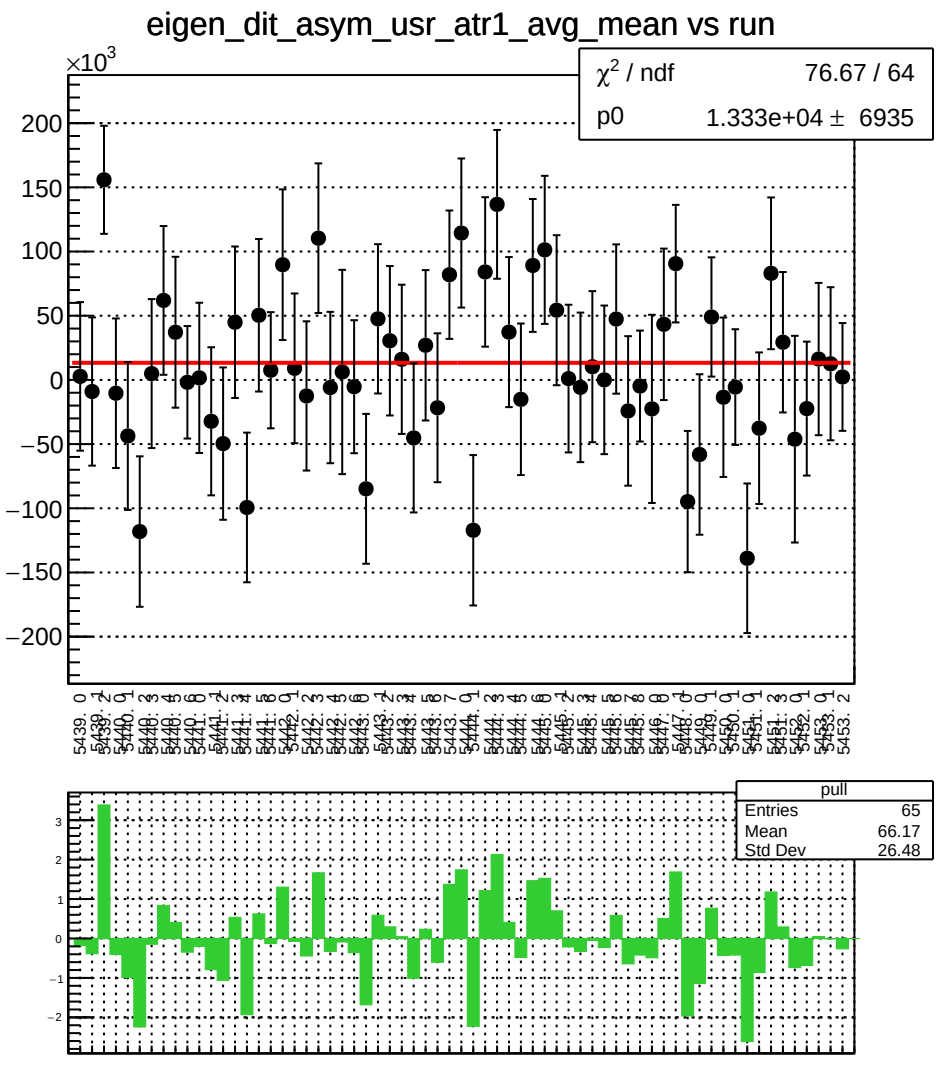

pull1D
Entries 65
Mean −0.03187
Std Dev 1.086

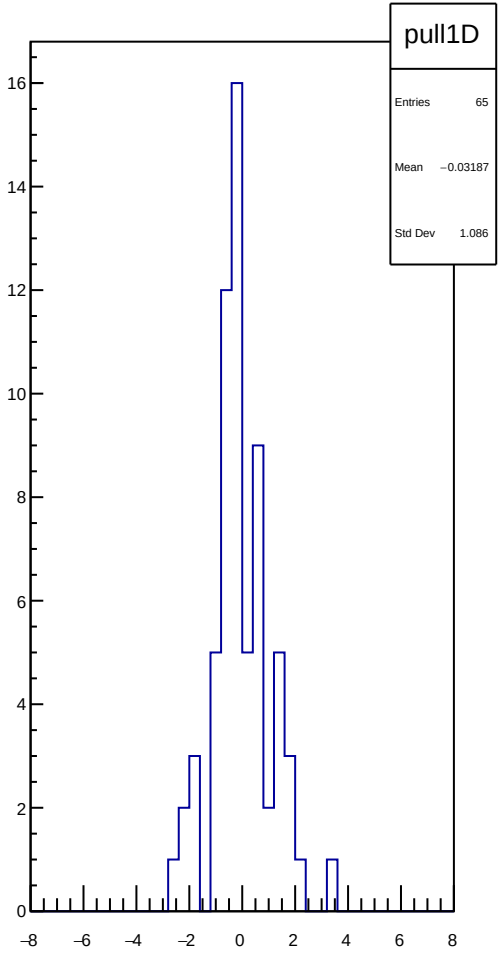

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 4231 / 64
p0 5615 ± 4.904
7500
7000
6500
6000
5500

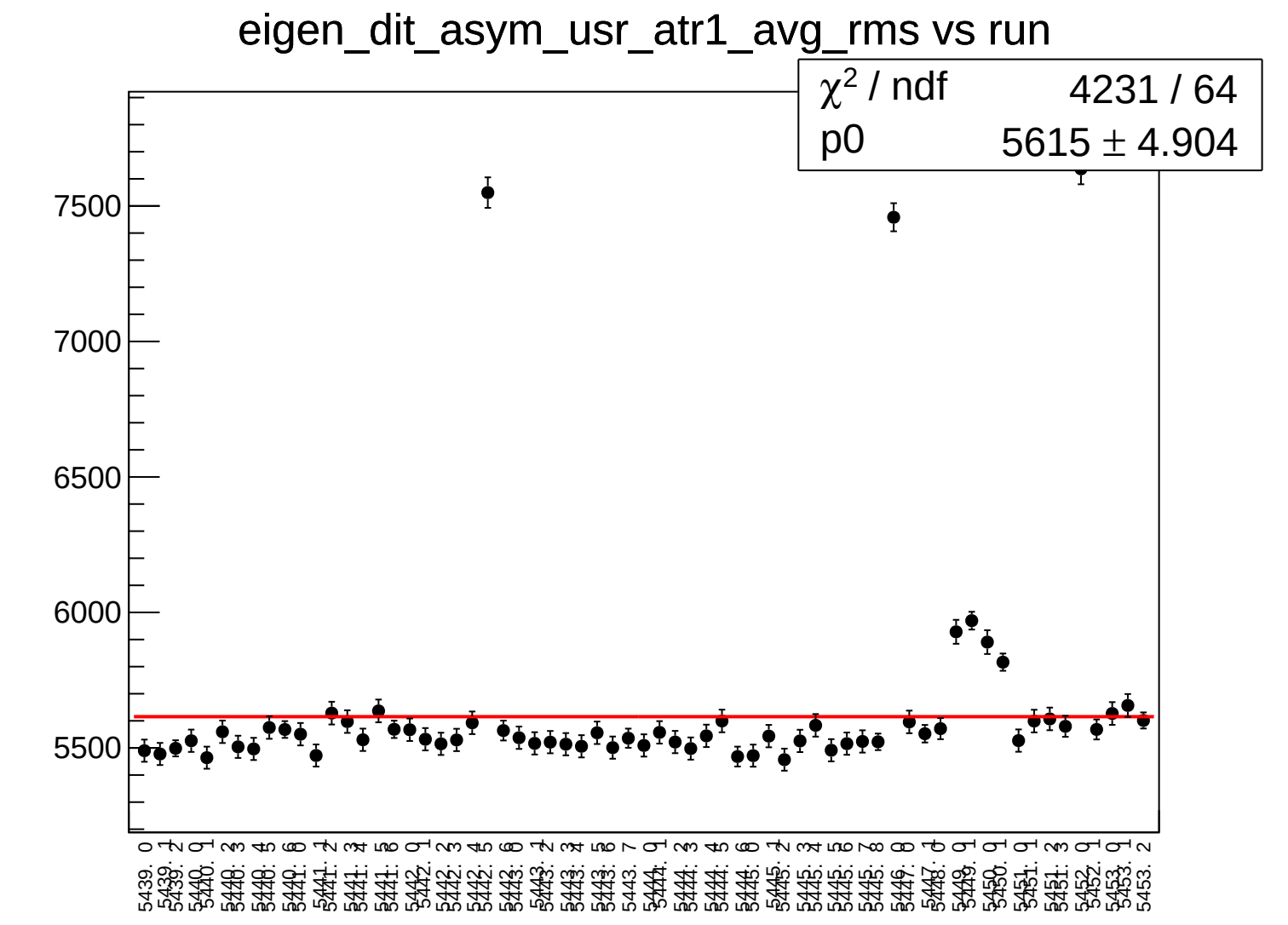

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 50.96 / 64
p0 552.7 ± 1762
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −10.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

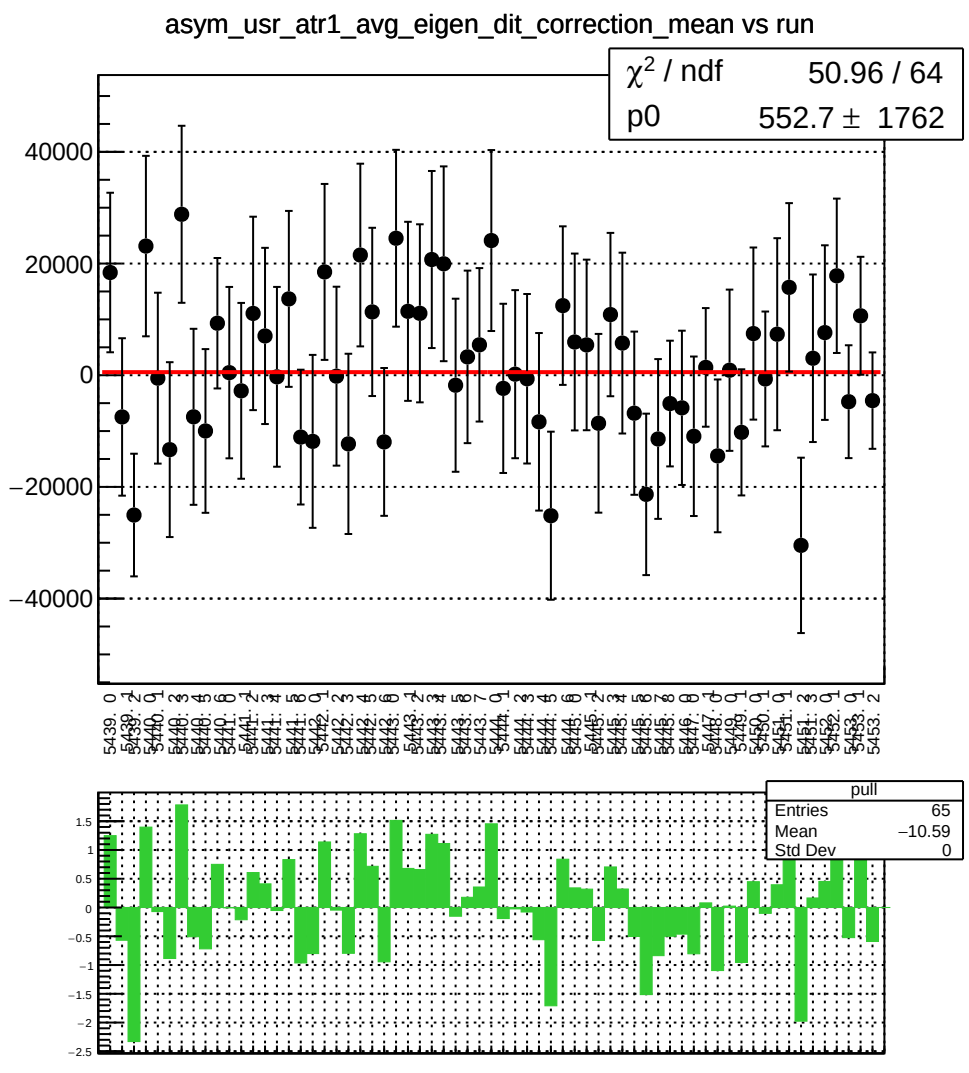

pull1D
Entries 65
Mean 0.04069
Std Dev 0.8845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

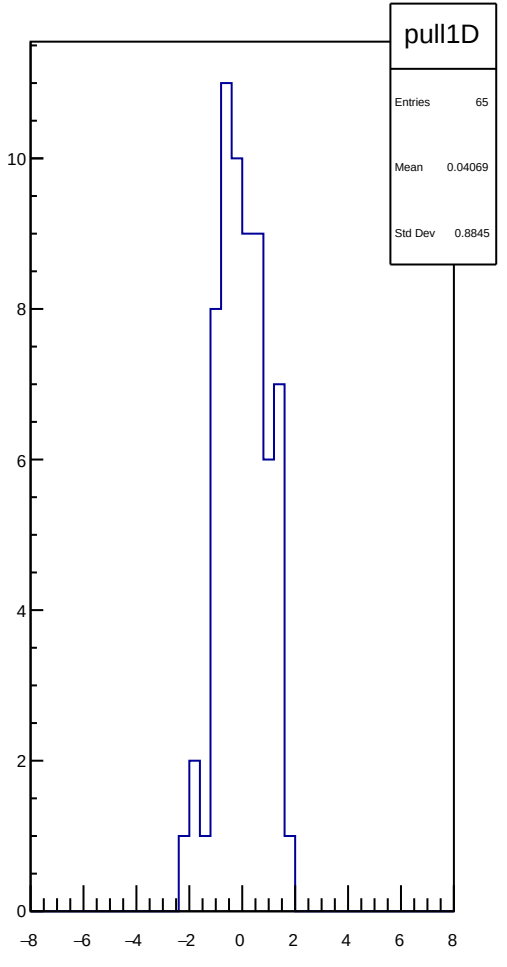

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 1.319e+04 / 64
p0 1421 ± 1.246
1700
1600
1500
1400
1300
1200
1100
1000
900

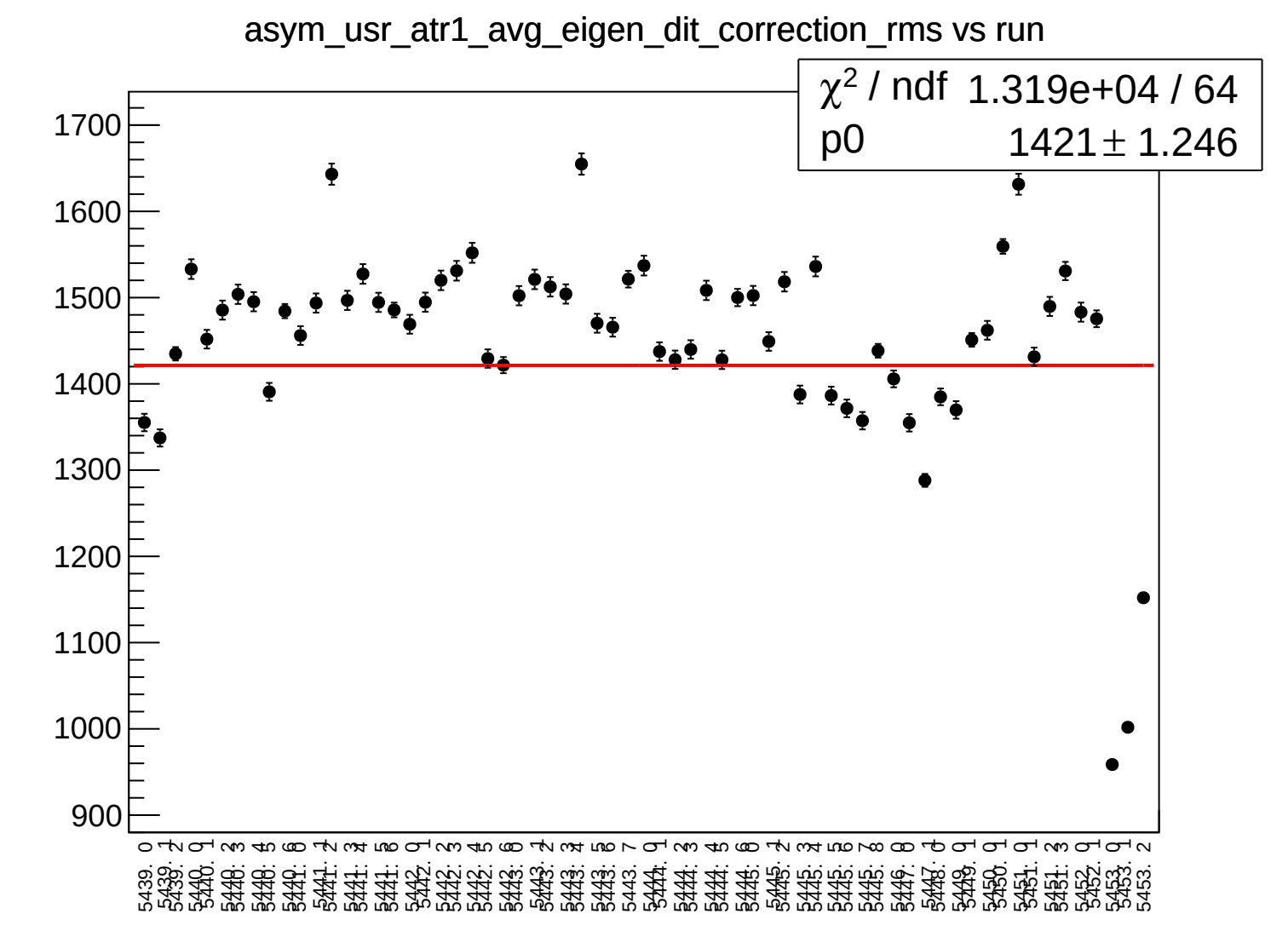

eigen_dit_asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 76.67 / 64
p0 1.333e+04 ± 6935
pull
Entries 65
Mean 66.17
Std Dev 26.48

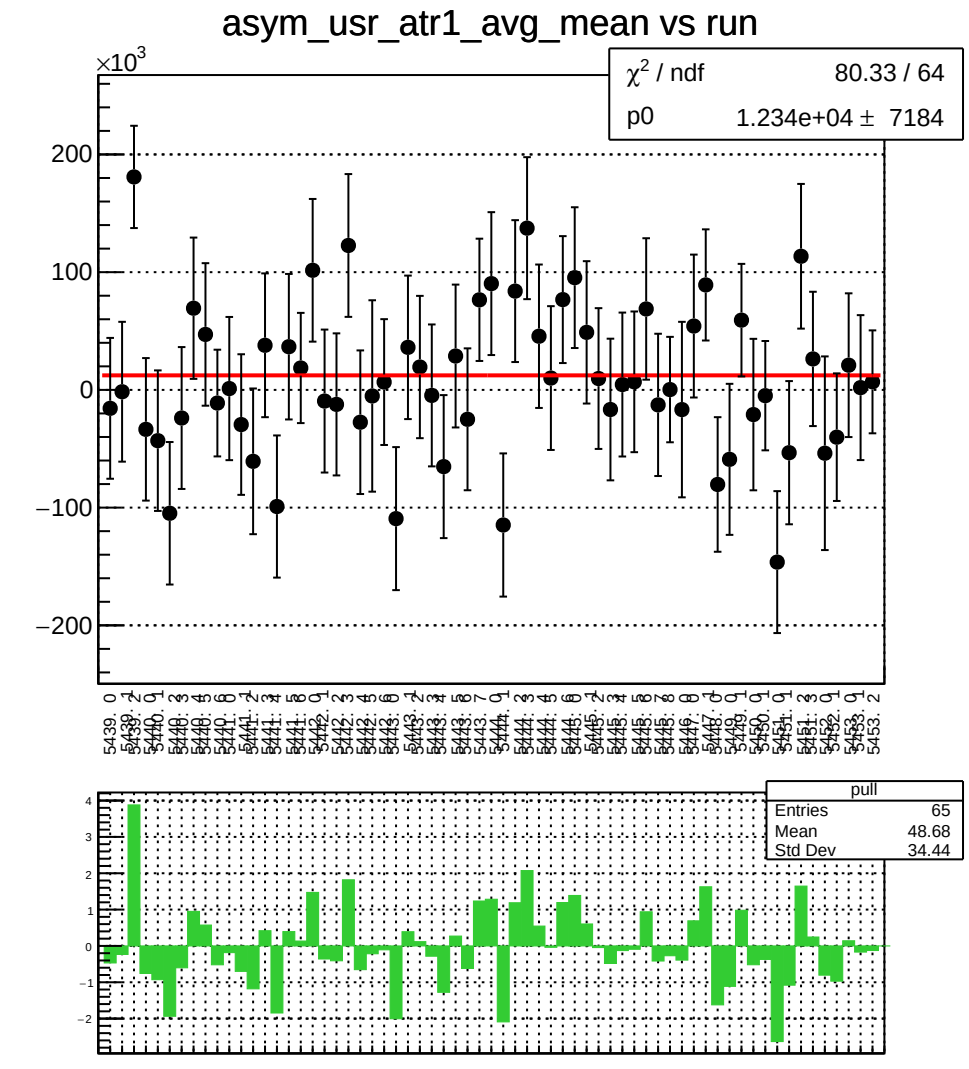

pull1D
Entries 65
Mean −0.03187
Std Dev 1.086

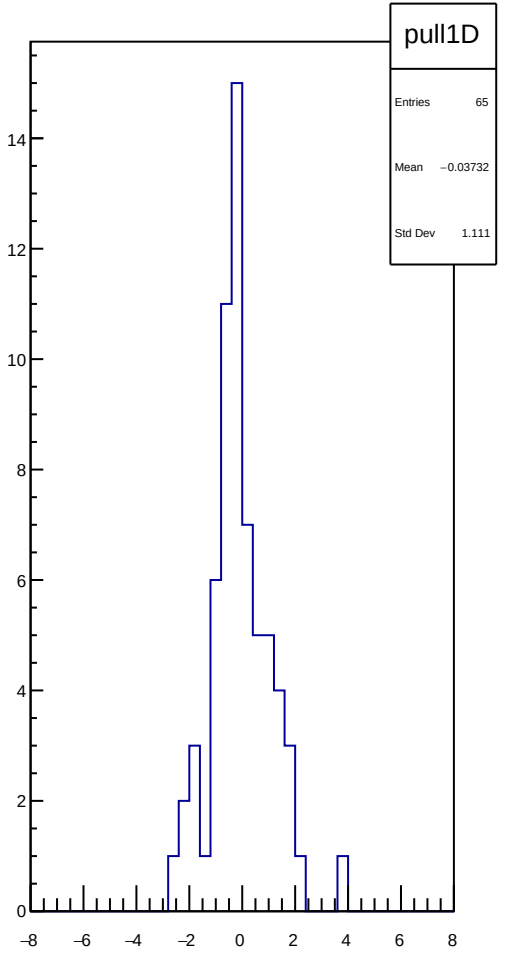

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 4231 / 64
p0 5615 ± 4.904
7500
7000
6500
6000
5500

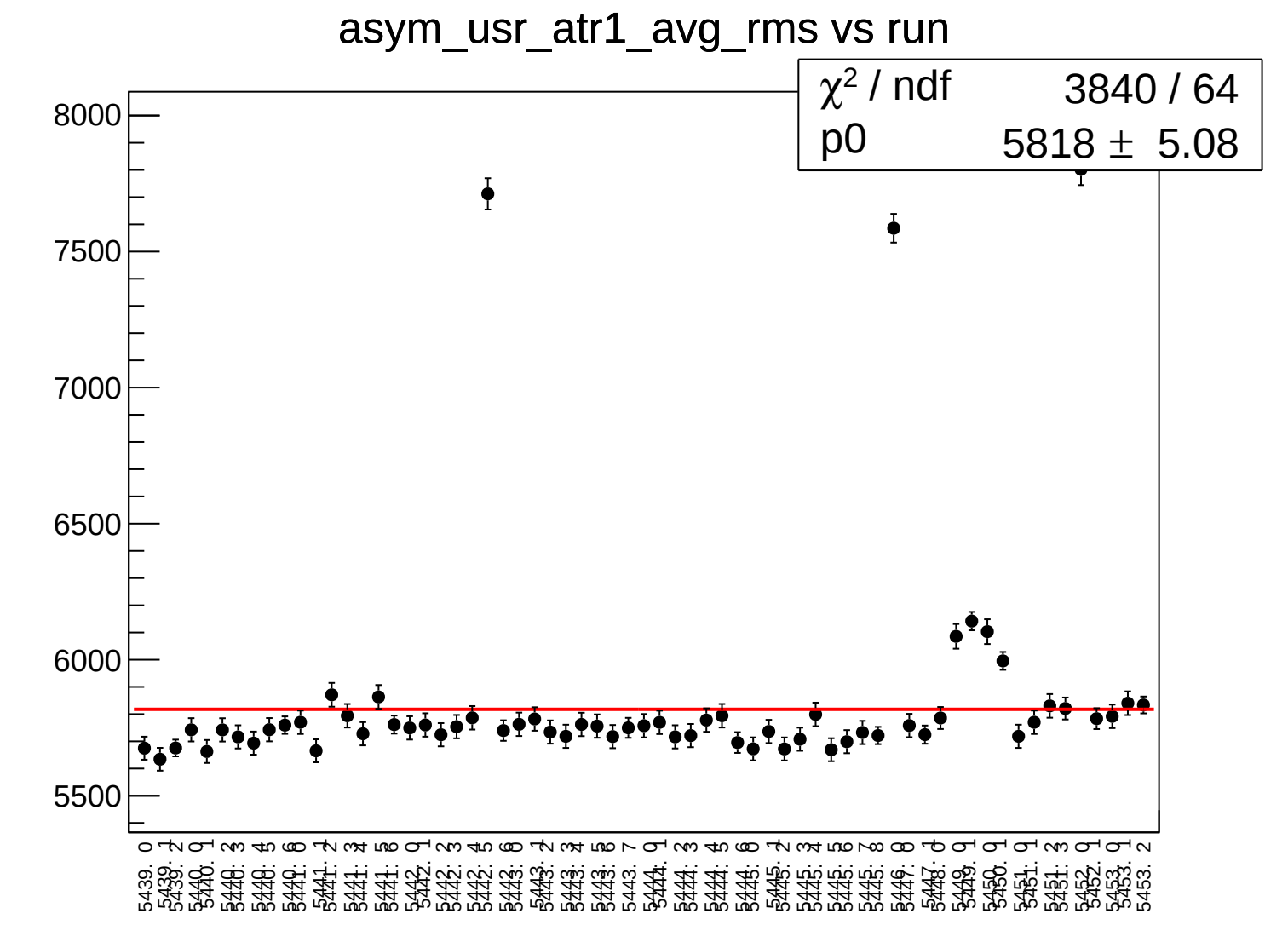

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 50.96 / 64
p0 552.7 ± 1762
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −10.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

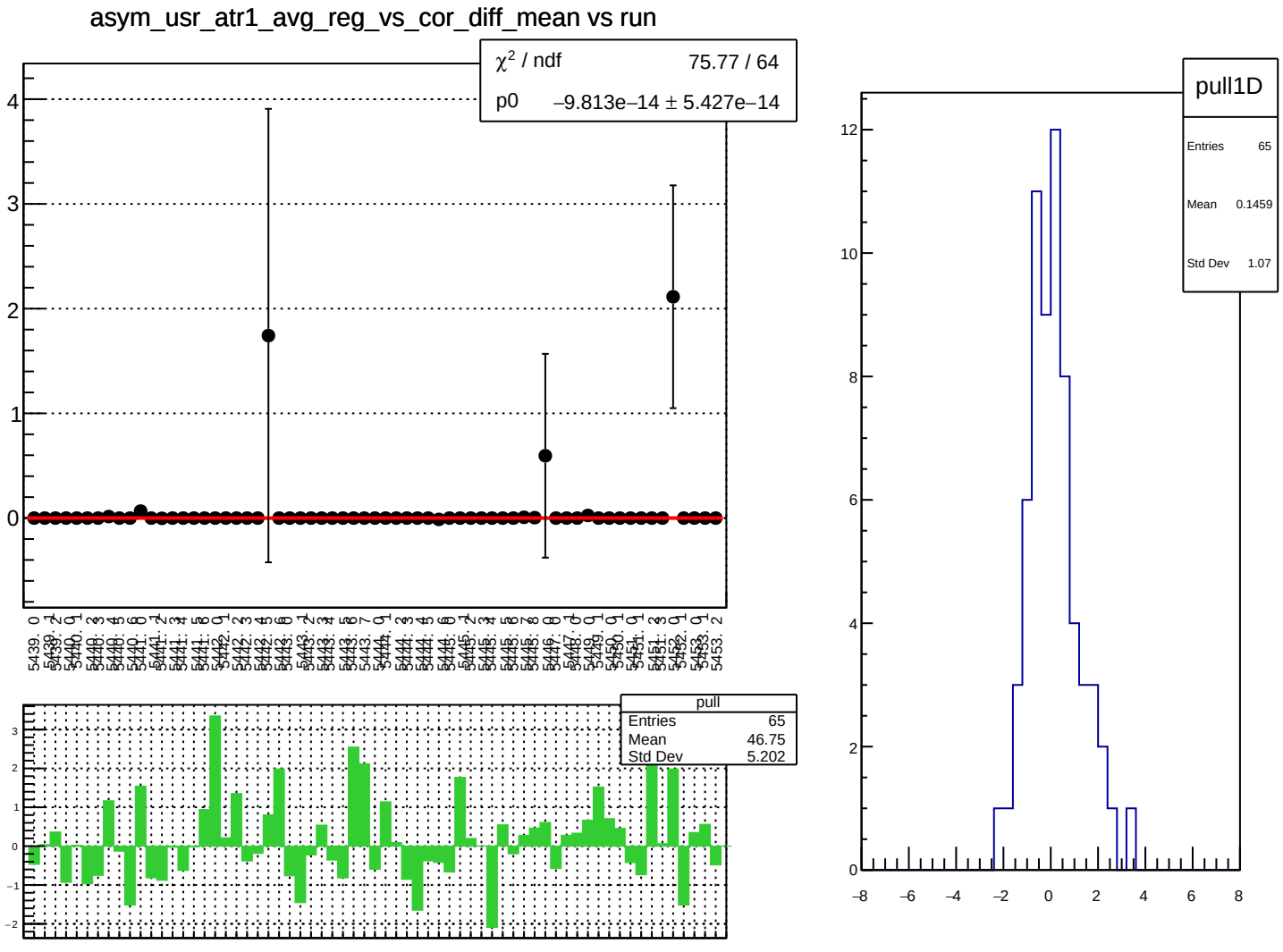

pull1D
Entries 65
Mean 0.04069
Std Dev 0.8845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

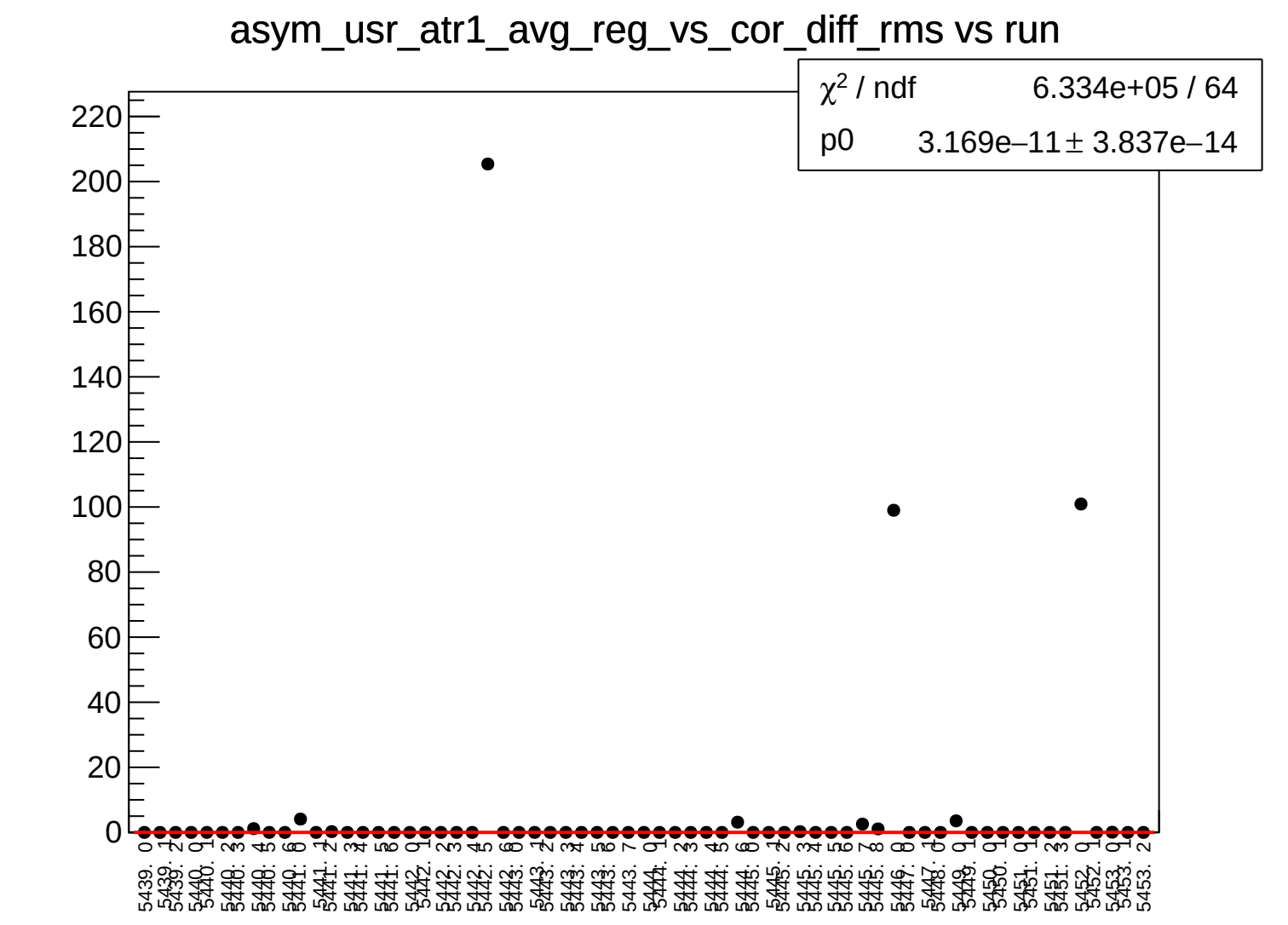

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.319e+04 / 64
p0 1421 ± 1.246
1700
1600
1500
1400
1300
1200
1100
1000
900

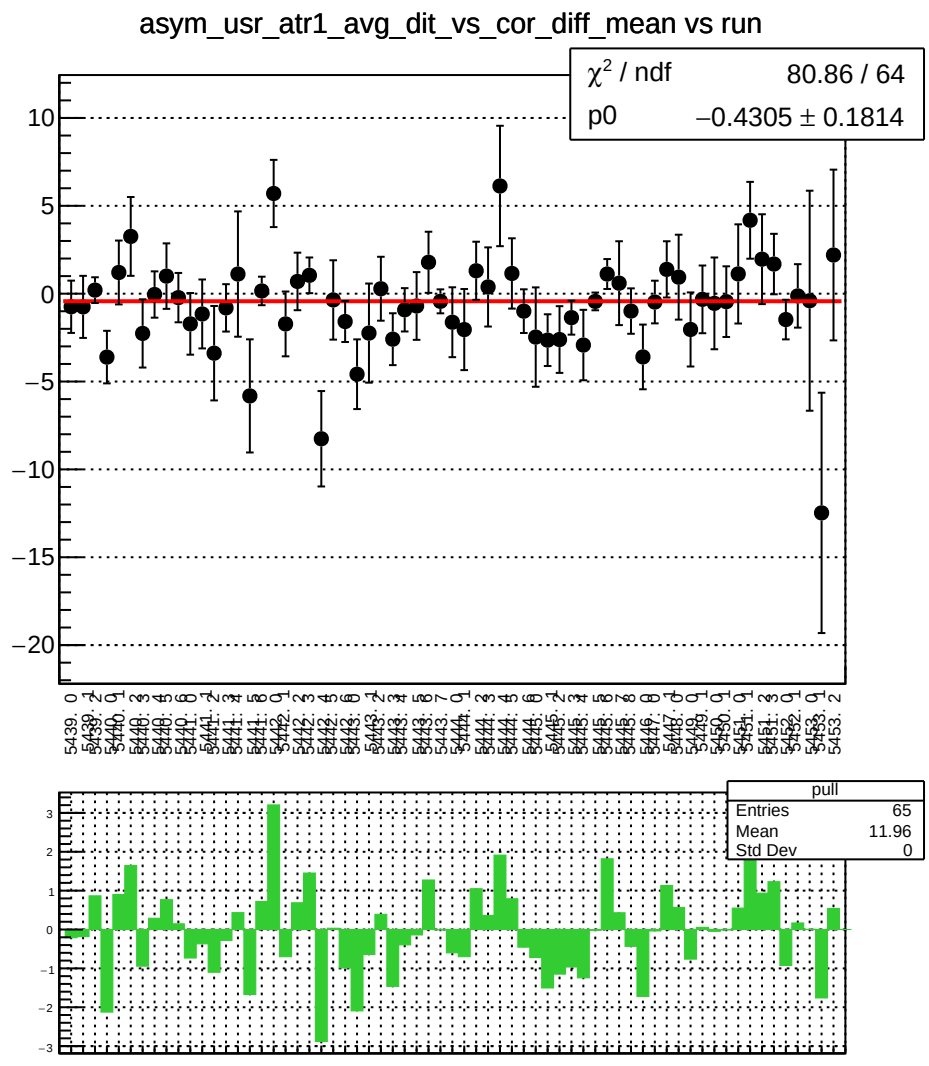

asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 80.33 / 64
p0 1.234e+04 ± 7184
200
100
0
−100
−200
pull
Entries 65
Mean 48.68
Std Dev 34.44
4
3
2
1
0
−1
−2

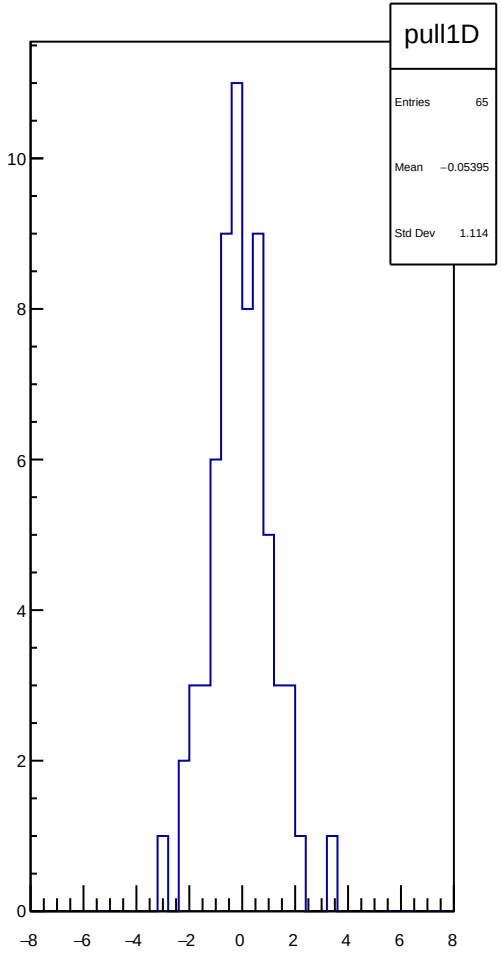

pull1D
Entries 65
Mean −0.03732
Std Dev 1.111
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

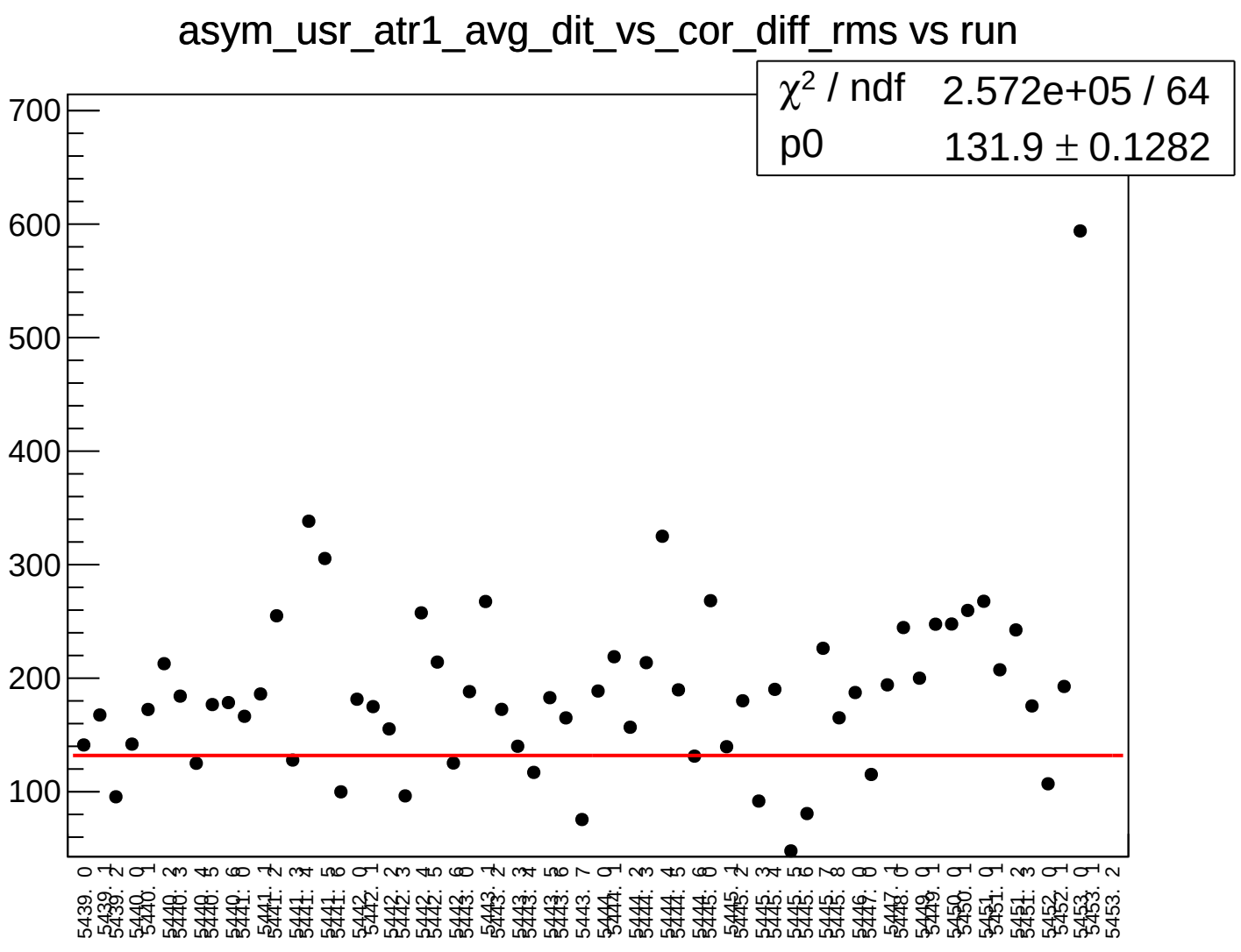

asym_usr_atr1_avg_rms vs run
χ² / ndf 3840 / 64
p0 5818 ± 5.08
8000
7500
7000
6500
6000
5500

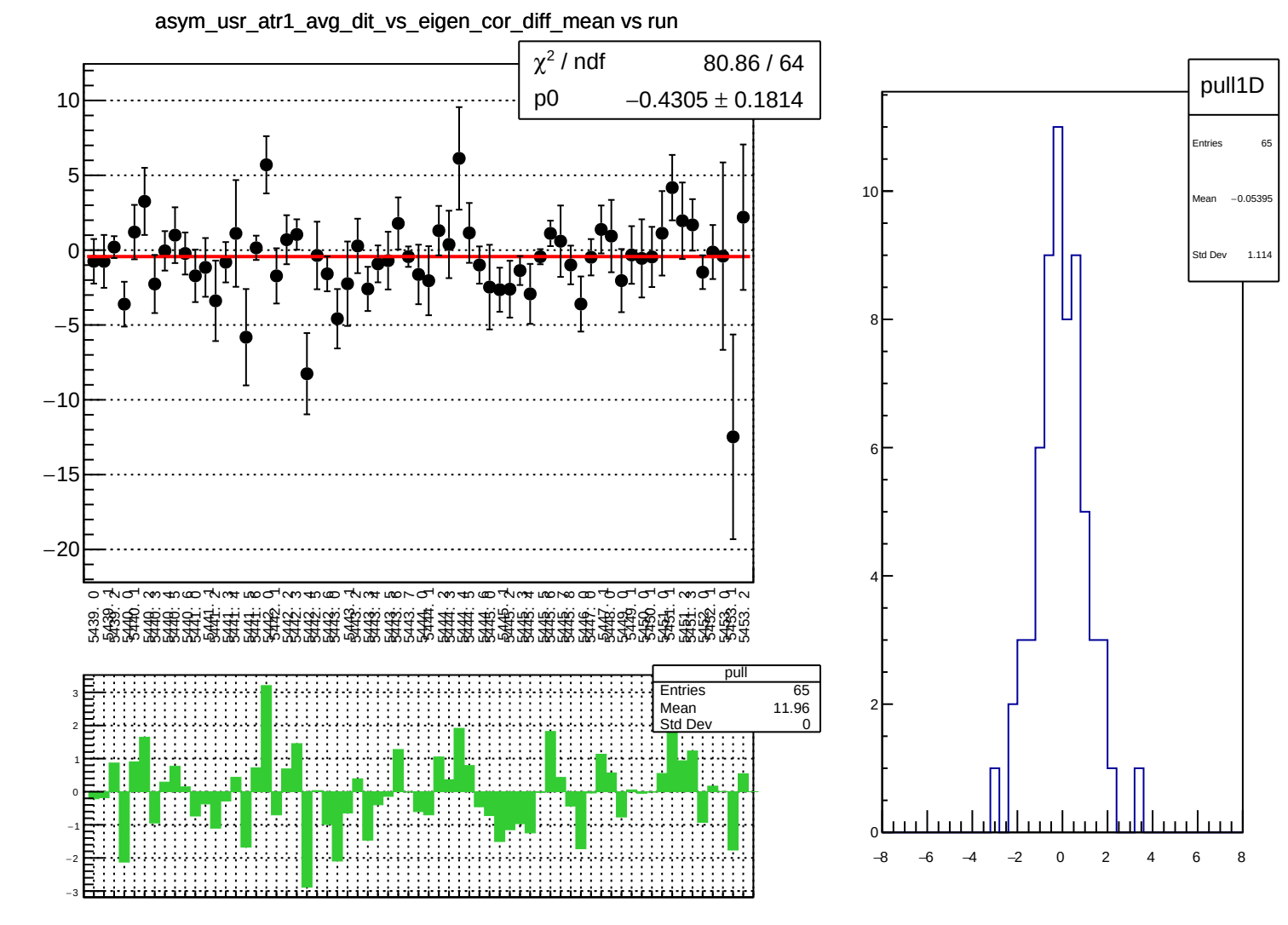

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 75.77 / 64
p0 −9.813e−14 ± 5.427e−14
pull
Entries 65
Mean 46.75
Std Dev 5.202
pull1D
Entries 65
Mean 0.1459
Std Dev 1.07

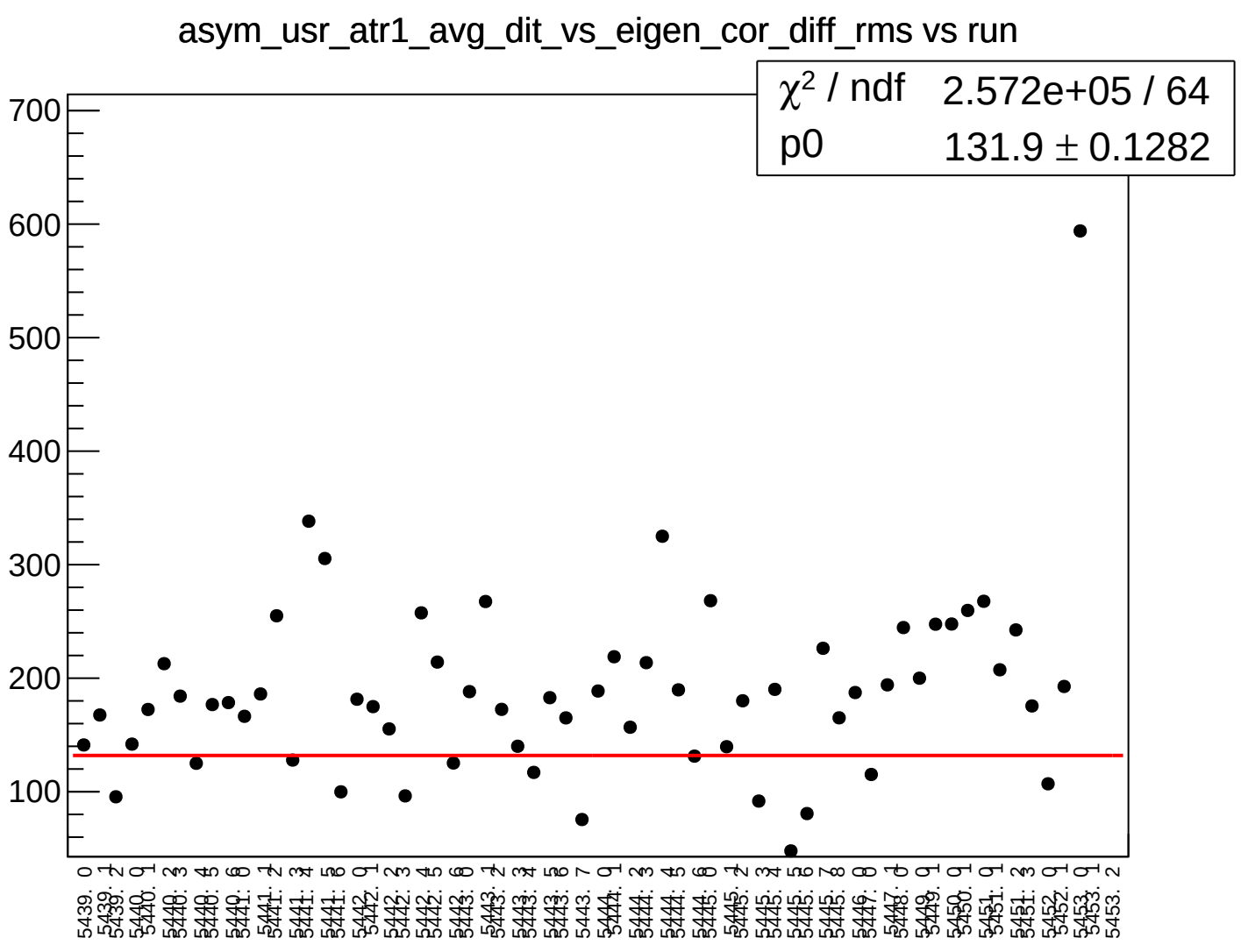

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.334e+05 / 64
p0 3.169e−11 ± 3.837e−14
220
200
180
160
140
120
100
80
60
40
20
0

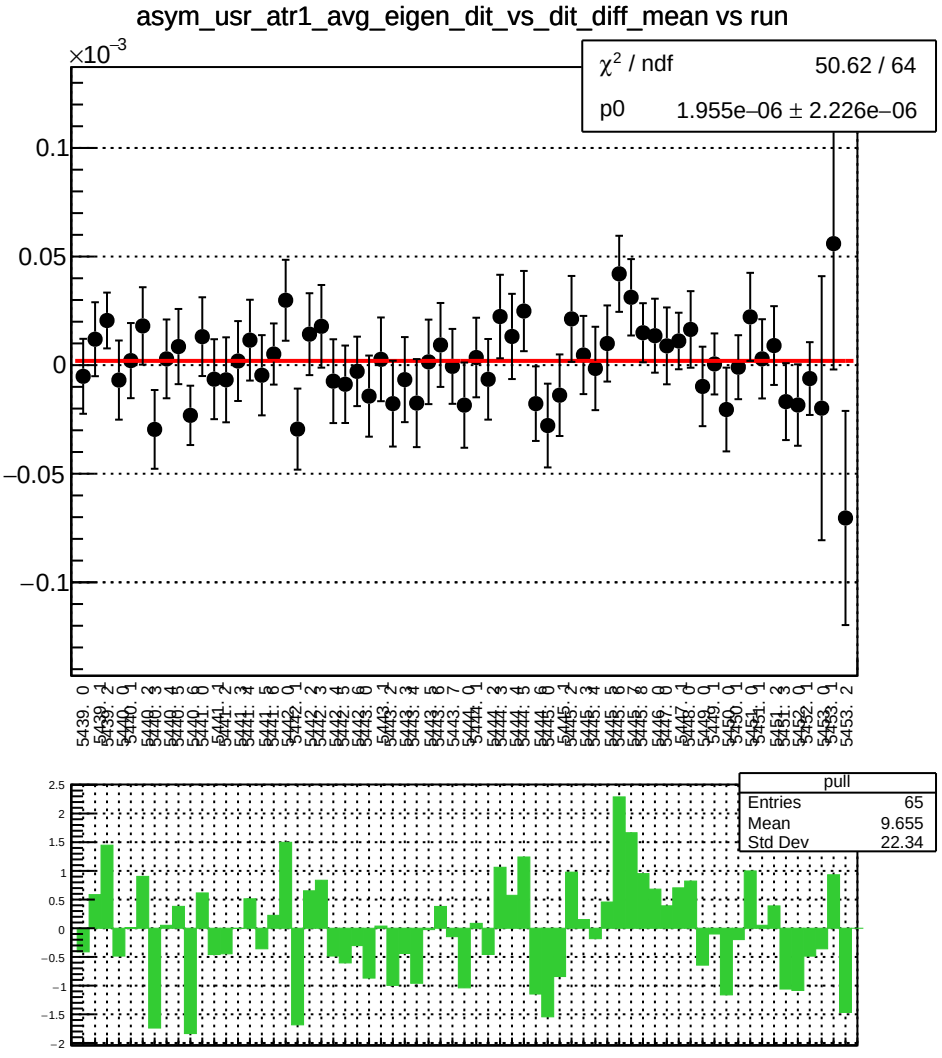

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.86 / 64
p0 −0.4305 ± 0.1814
pull
Entries 65
Mean 11.96
Std Dev 0

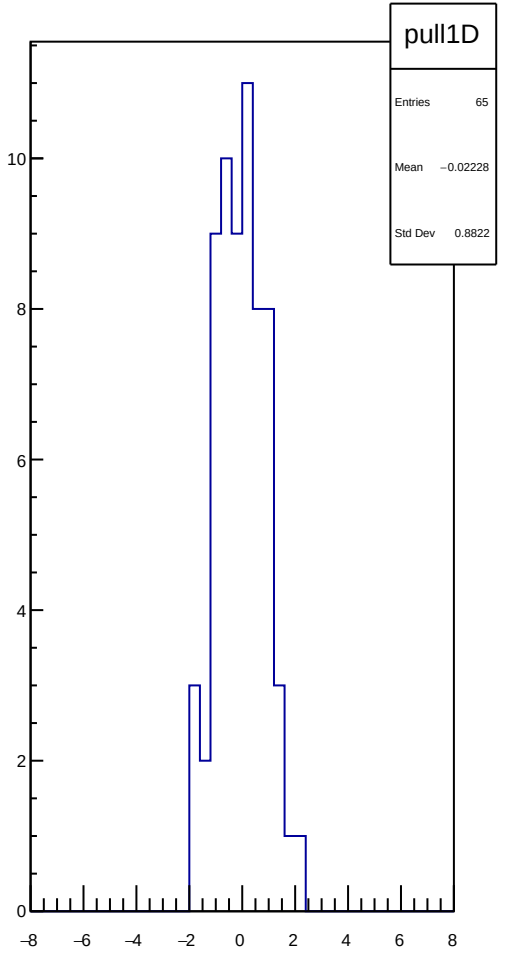

pull1D
Entries 65
Mean −0.05395
Std Dev 1.114

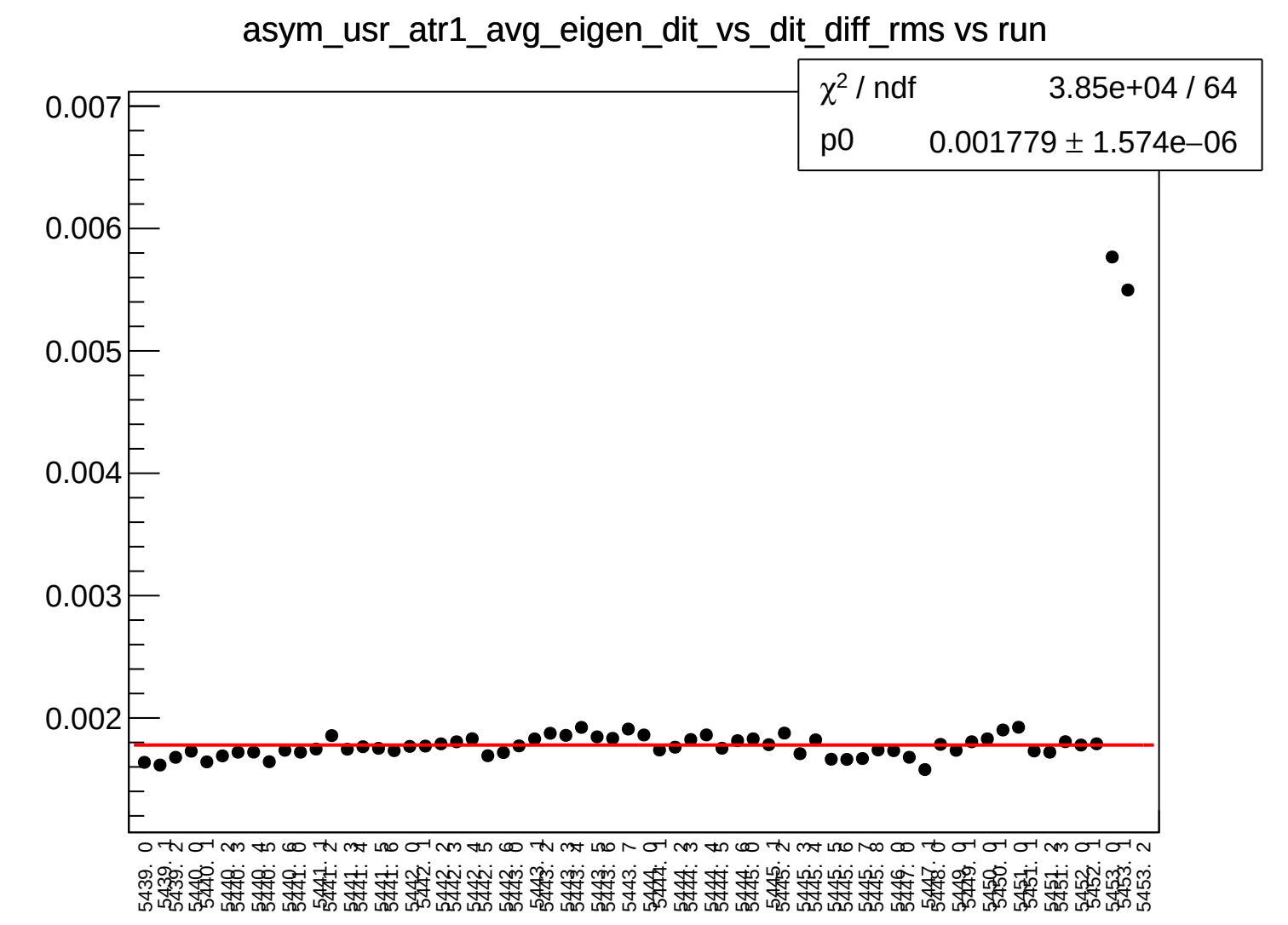

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.572e+05 / 64
p0 131.9 ± 0.1282
700
600
500
400
300
200
100

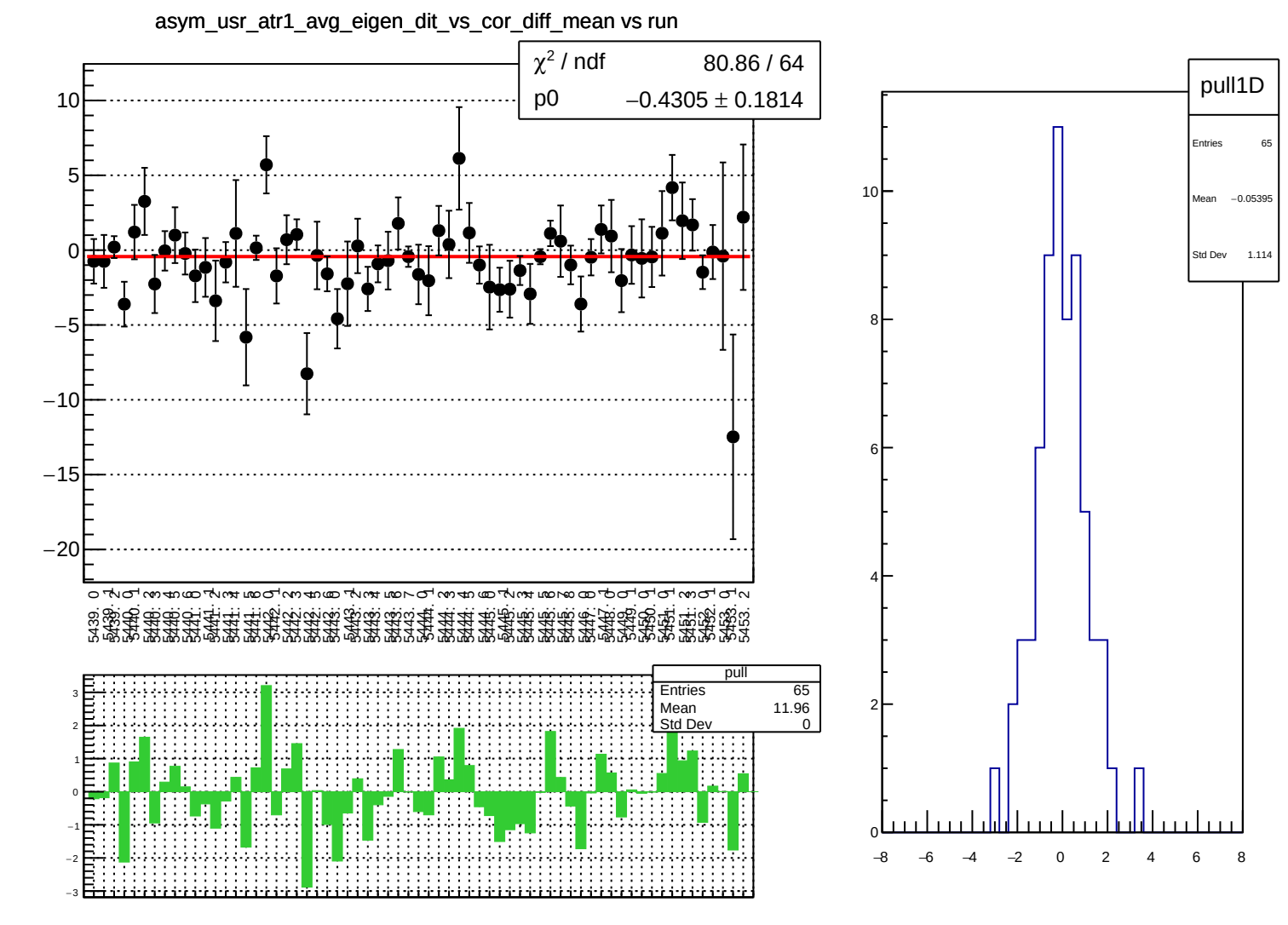

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.86 / 64
p0 −0.4305 ± 0.1814
pull
Entries 65
Mean 11.96
Std Dev 0
pull1D
Entries 65
Mean −0.05395
Std Dev 1.114

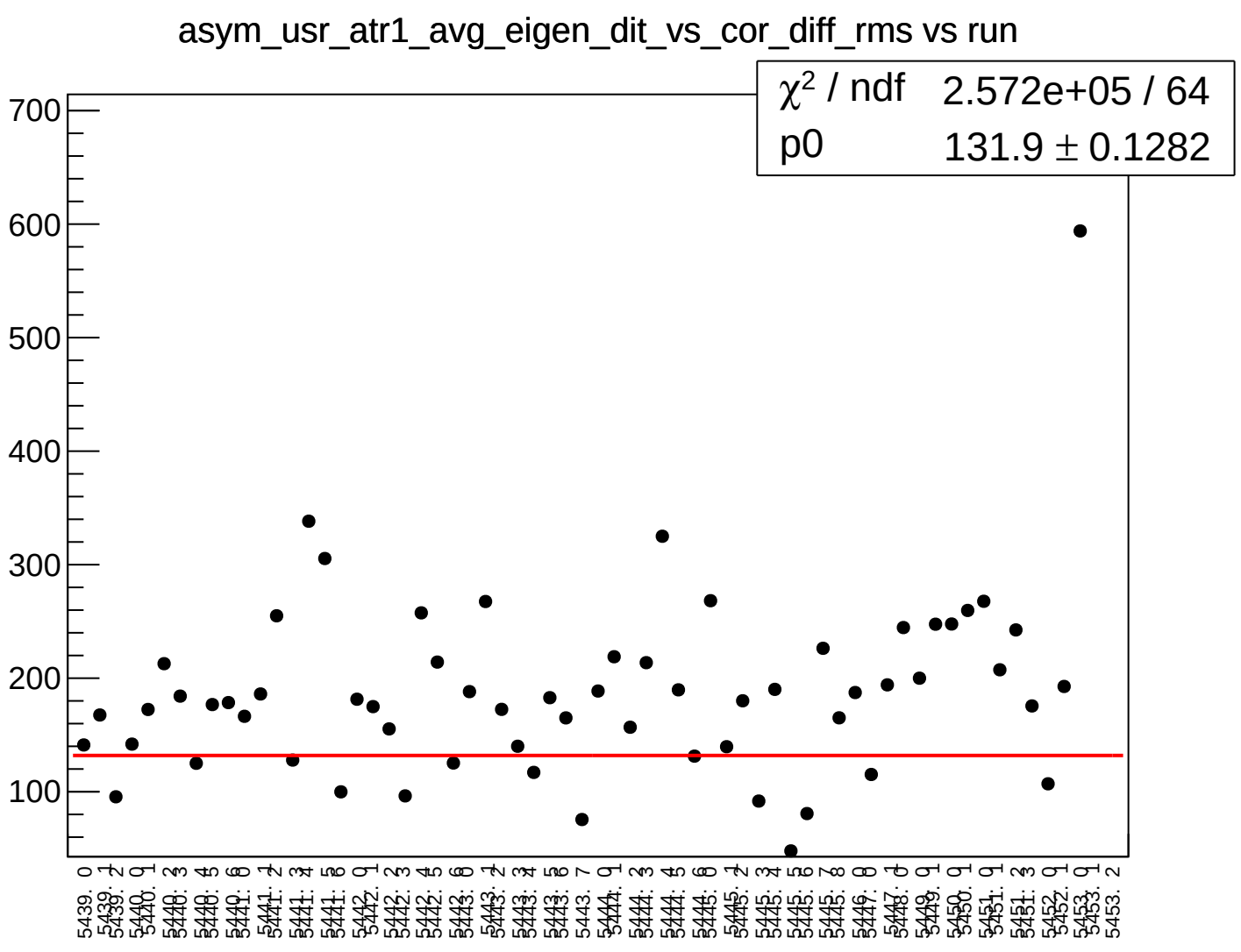

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.572e+05 / 64
p0 131.9 ± 0.1282
700
600
500
400
300
200
100

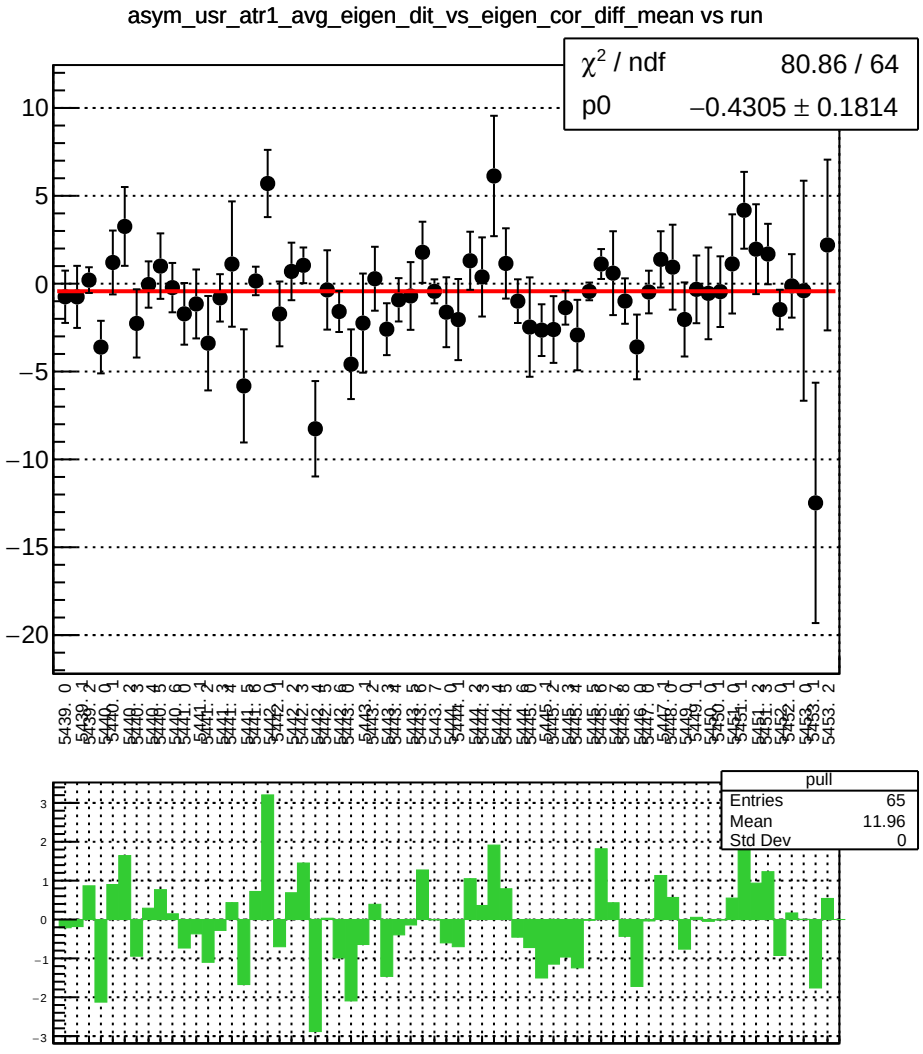

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.62 / 64
p0 1.955e−06 ± 2.226e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 65
Mean 9.655
Std Dev 22.34
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

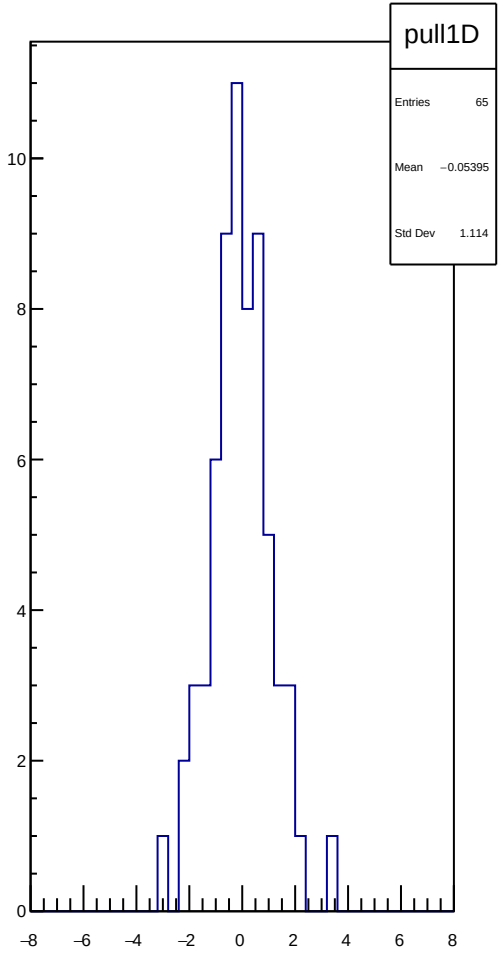

pull1D
Entries 65
Mean −0.02228
Std Dev 0.8822
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

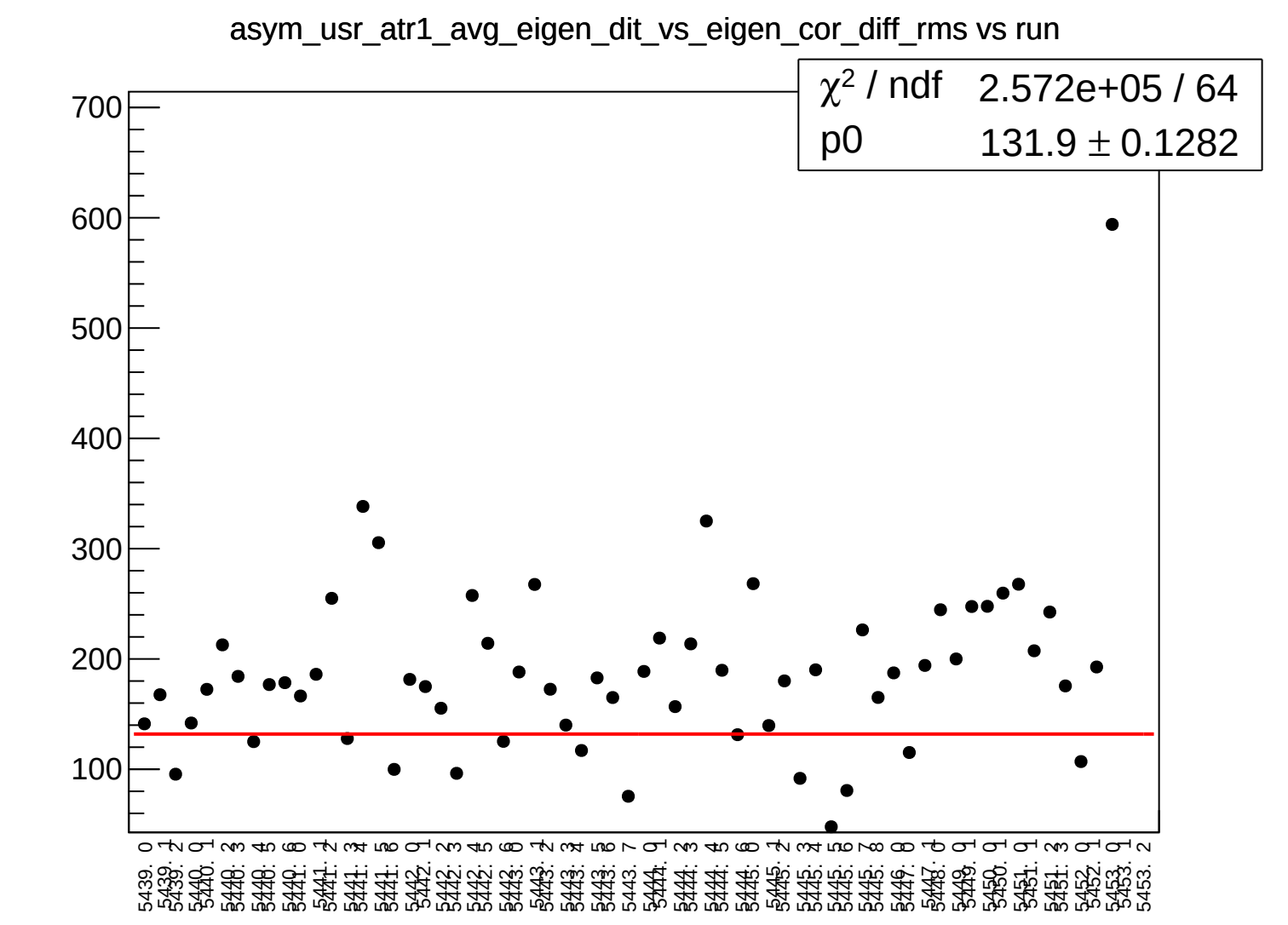

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.85e+04 / 64
p0 0.001779 ± 1.574e−06
0.007
0.006
0.005
0.004
0.003
0.002

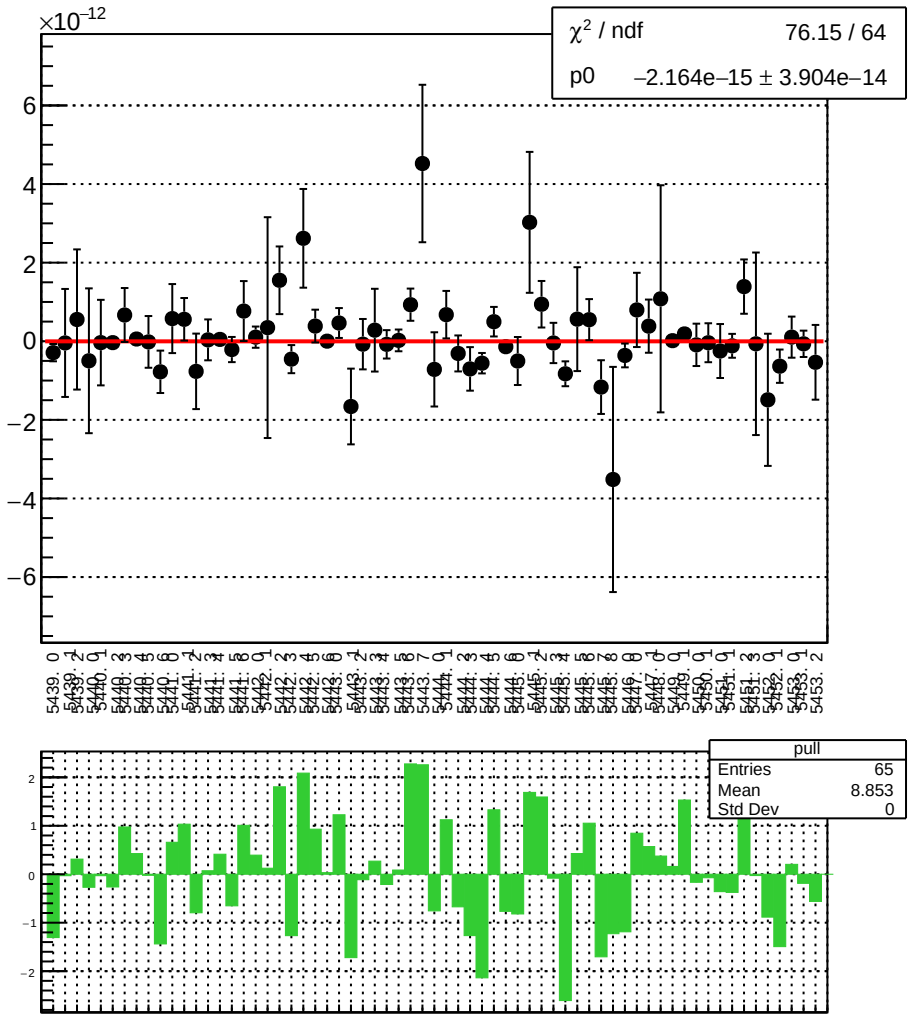

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.86 / 64
p0 −0.4305 ± 0.1814
pull
Entries 65
Mean 11.96
Std Dev 0
pull1D
Entries 65
Mean −0.05395
Std Dev 1.114

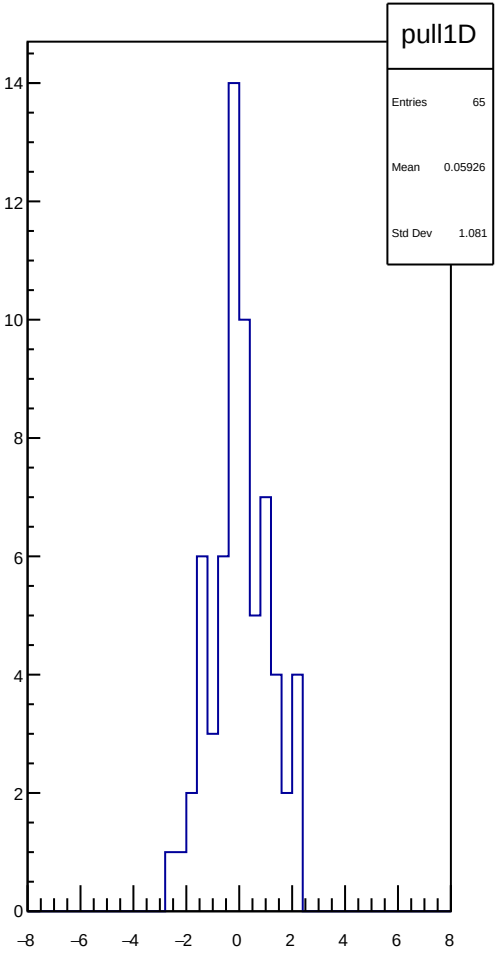

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.572e+05 / 64
p0 131.9 ± 0.1282
700
600
500
400
300
200
100

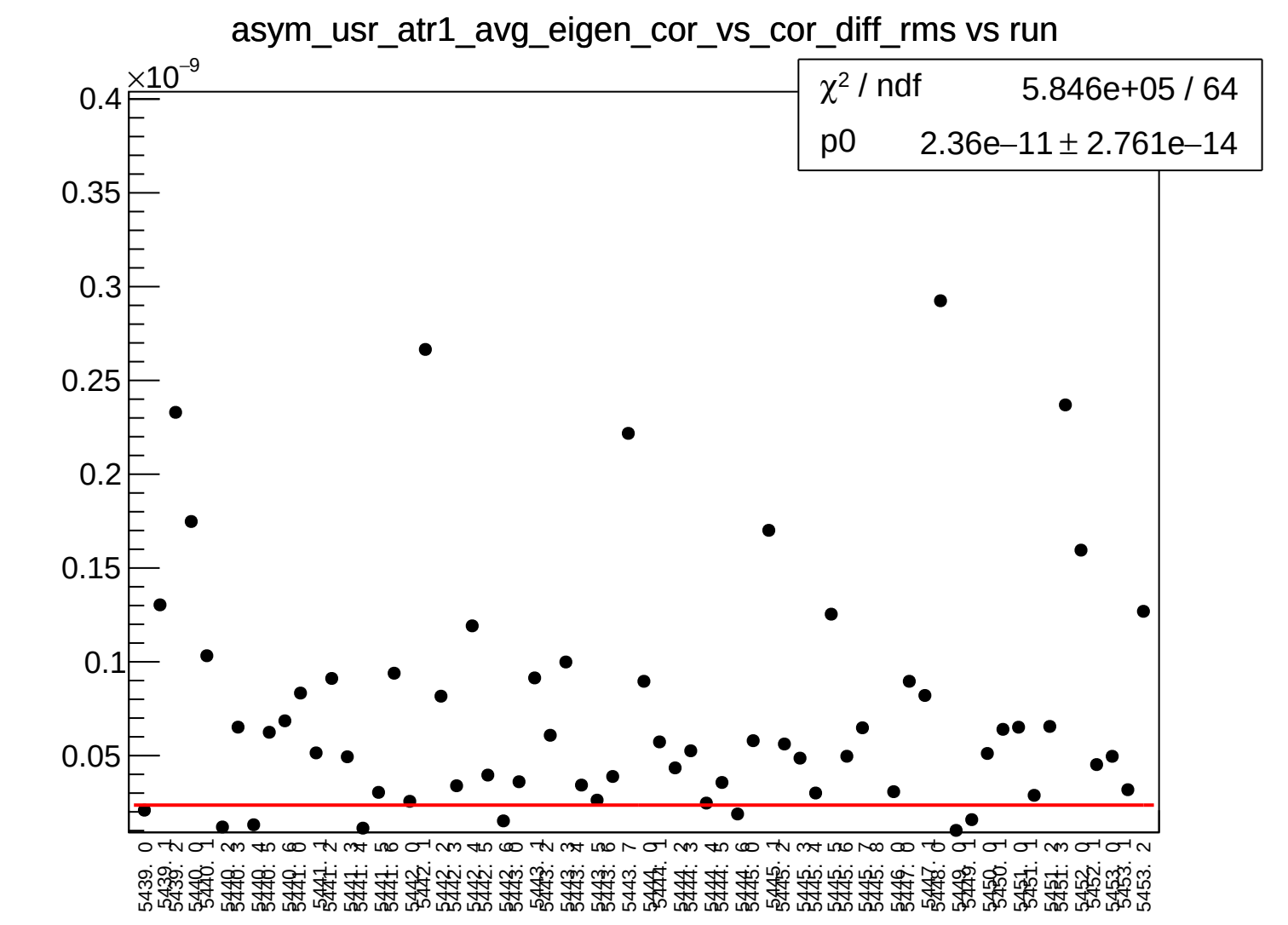

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.86 / 64
p0 −0.4305 ± 0.1814
pull
Entries 65
Mean 11.96
Std Dev 0

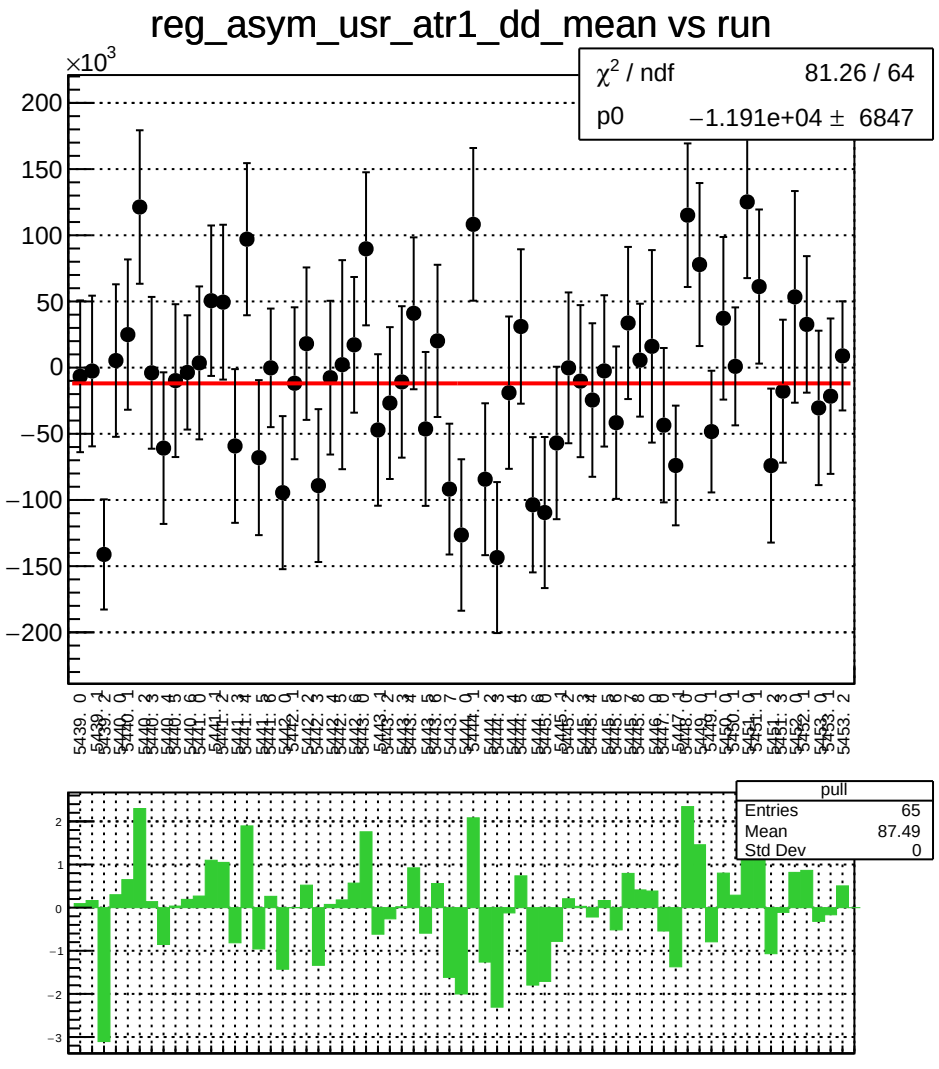

pull1D
Entries 65
Mean −0.05395
Std Dev 1.114

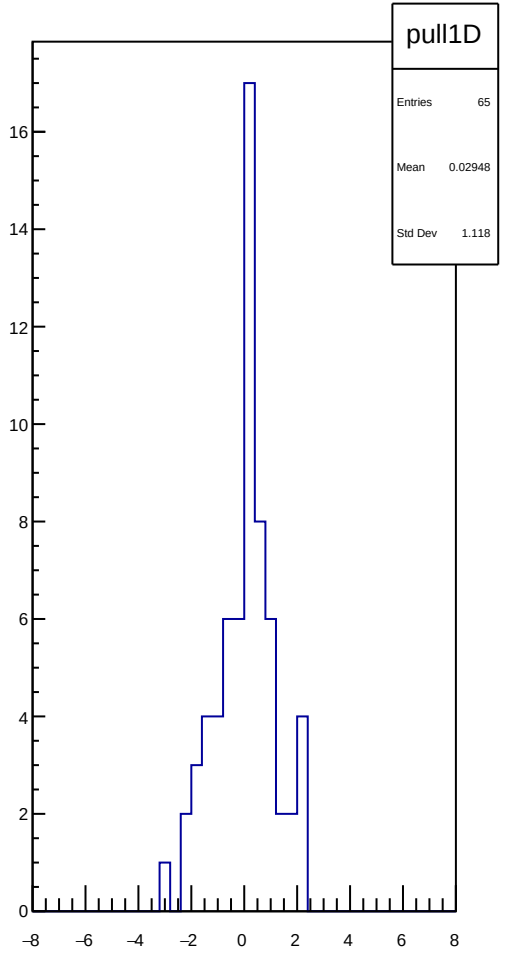

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.572e+05 / 64
p0 131.9 ± 0.1282
700
600
500
400
300
200
100

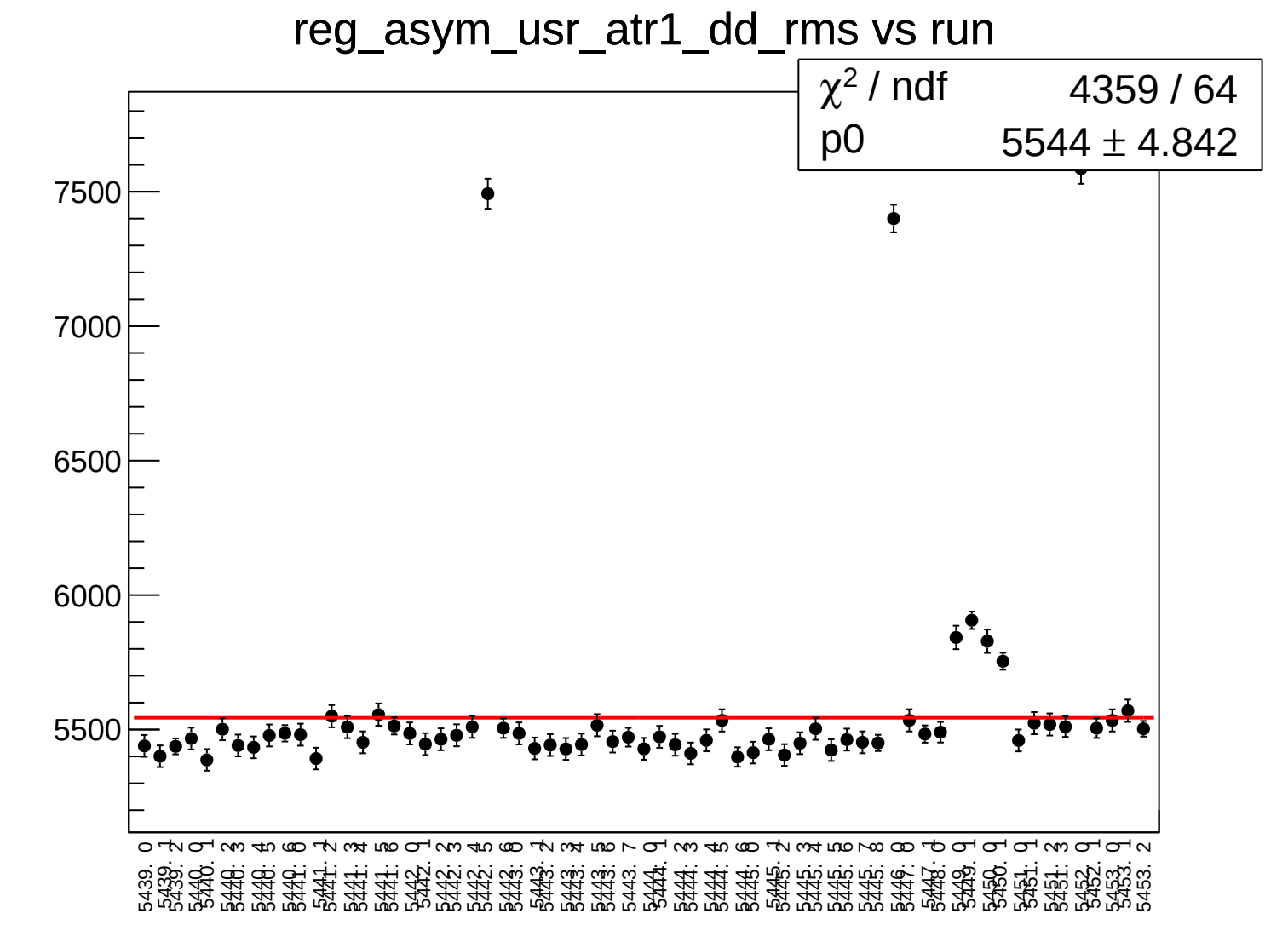

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.15 / 64
p0 −2.164e−15 ± 3.904e−14
pull
Entries 65
Mean 8.853
Std Dev 0

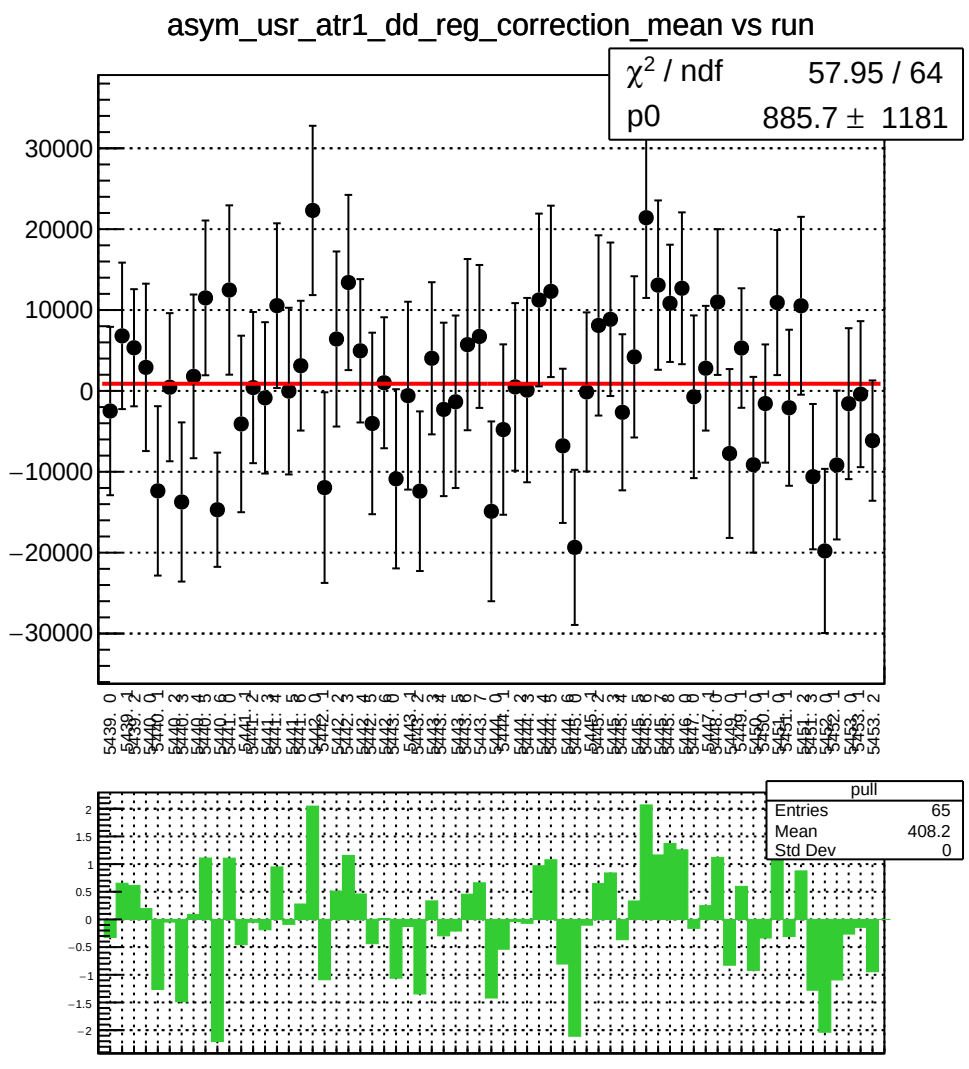

pull1D
Entries 65
Mean 0.05926
Std Dev 1.081

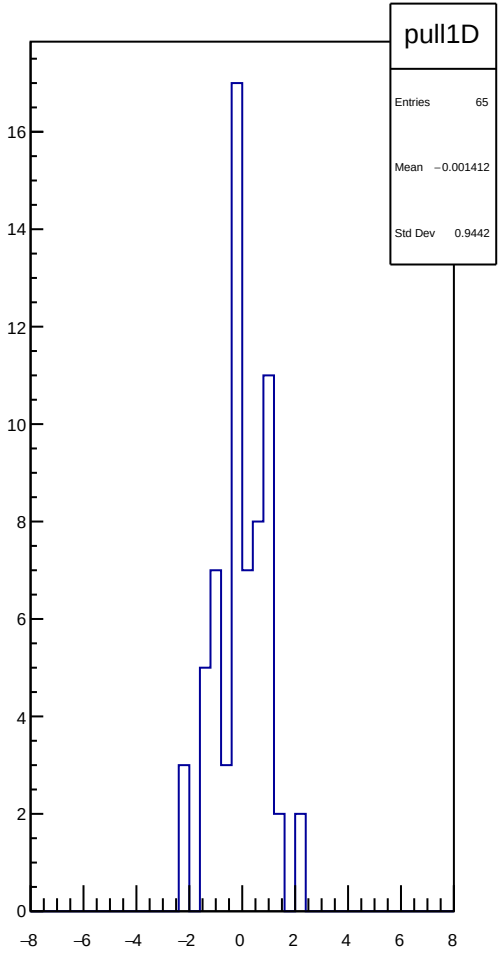

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.846e+05 / 64
p0 2.36e−11 ± 2.761e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

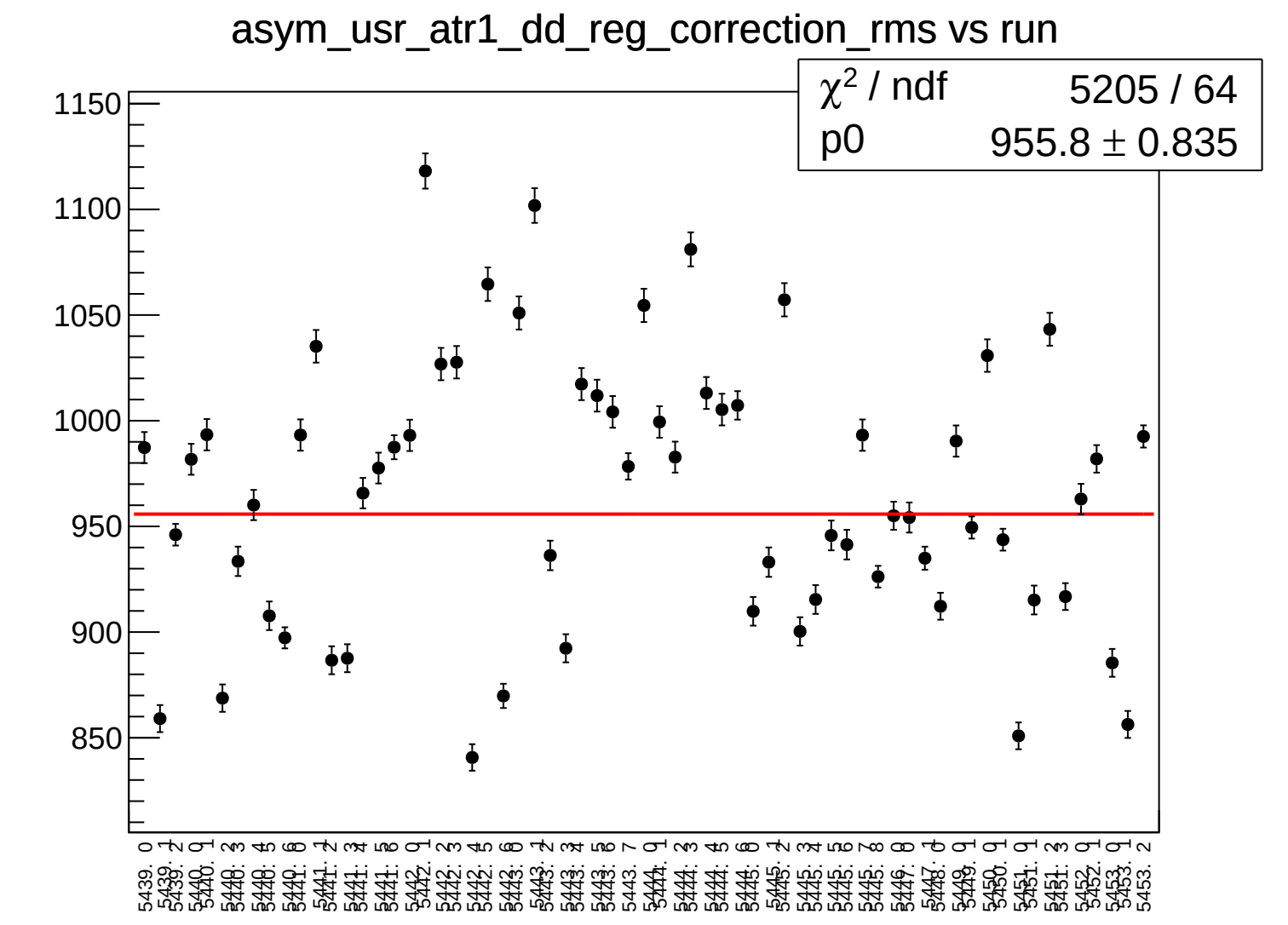

reg_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 81.26 / 64
p0 −1.191e+04 ± 6847
pull
Entries 65
Mean 87.49
Std Dev 0

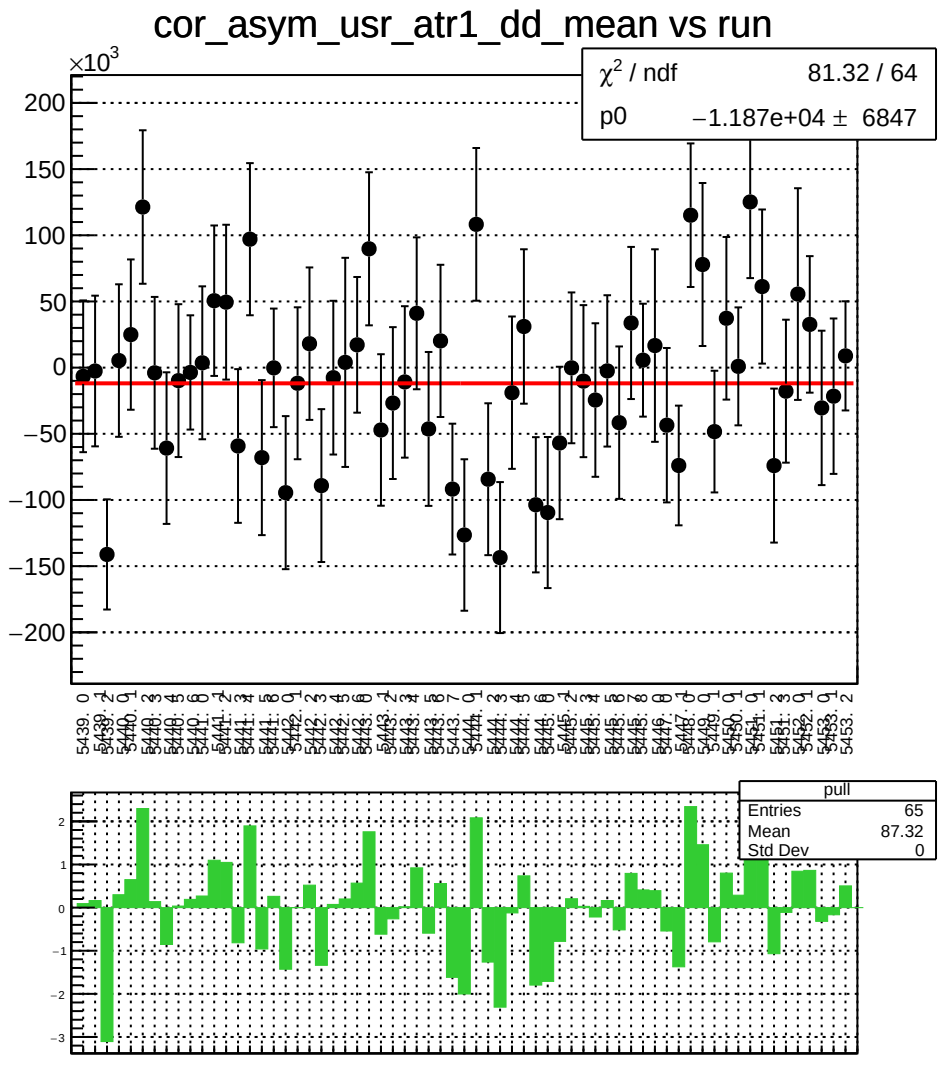

pull1D
Entries 65
Mean 0.02948
Std Dev 1.118

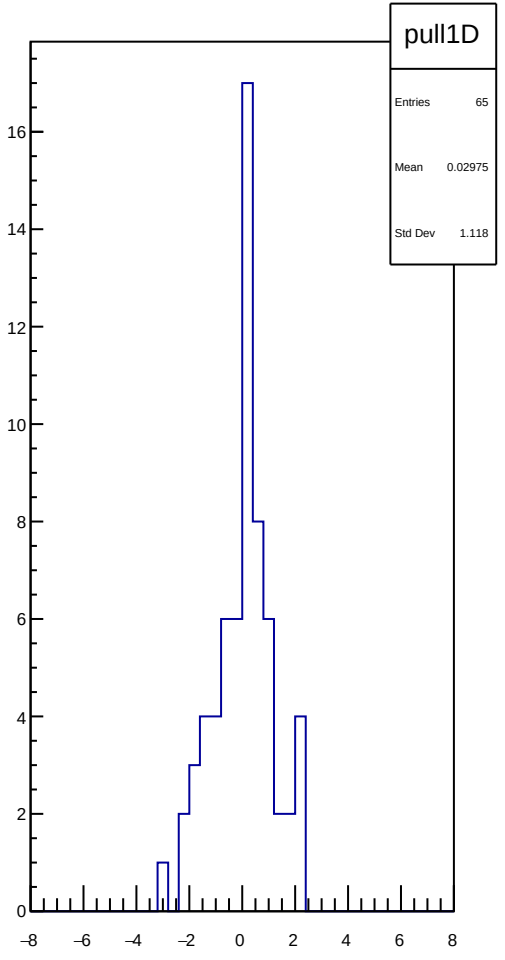

reg_asym_usr_atr1_dd_rms vs run
χ^2 / ndf 4359 / 64
p0 5544 ± 4.842
7500
7000
6500
6000
5500

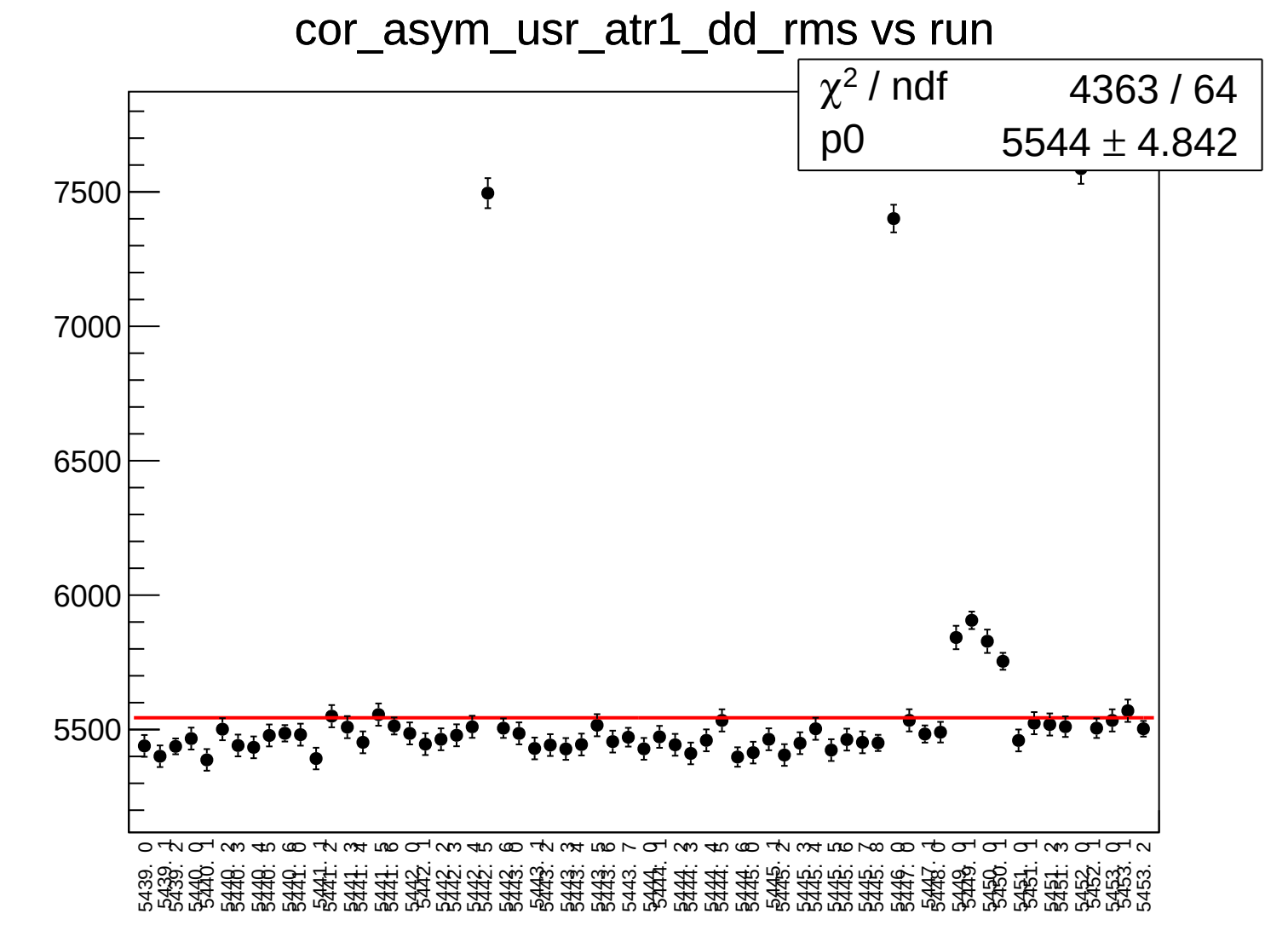

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 57.95 / 64
p0 885.7 ± 1181
pull
Entries 65
Mean 408.2
Std Dev 0

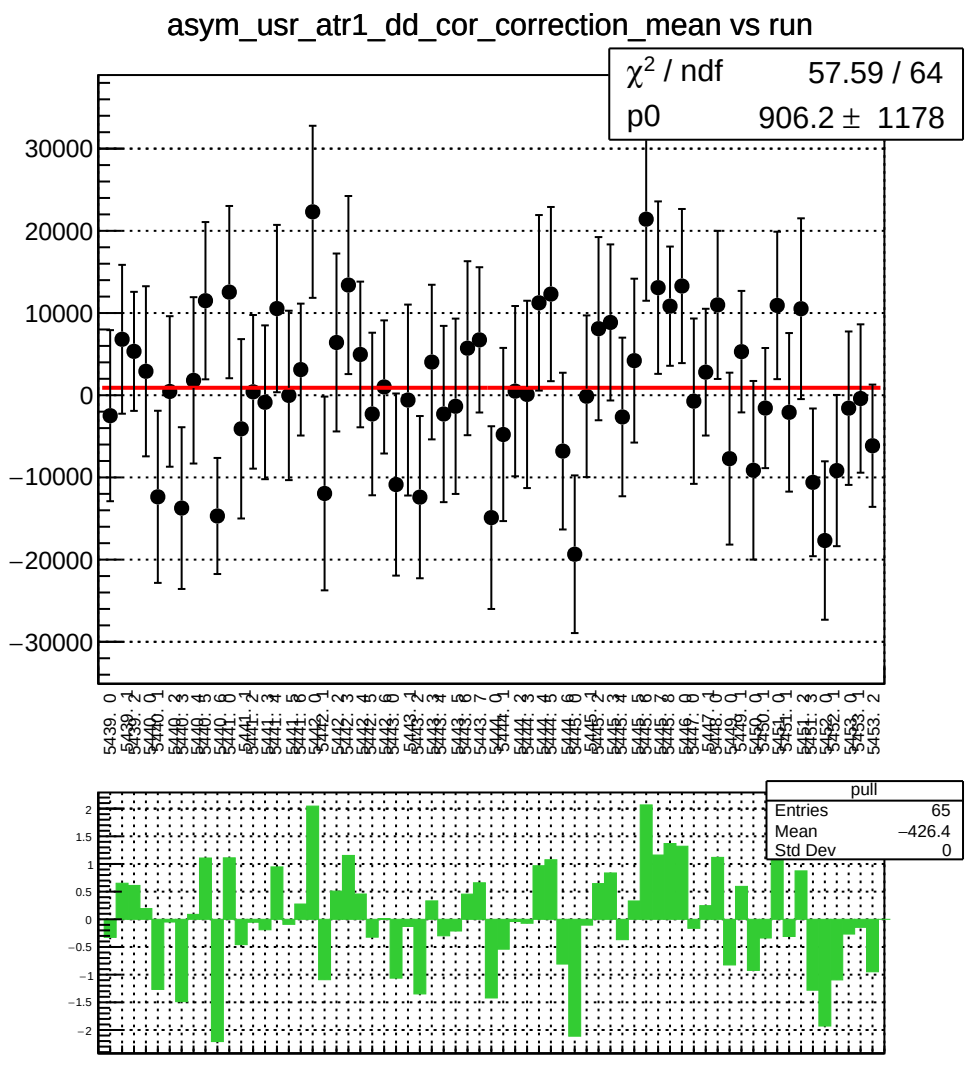

pull1D
Entries 65
Mean −0.001412
Std Dev 0.9442

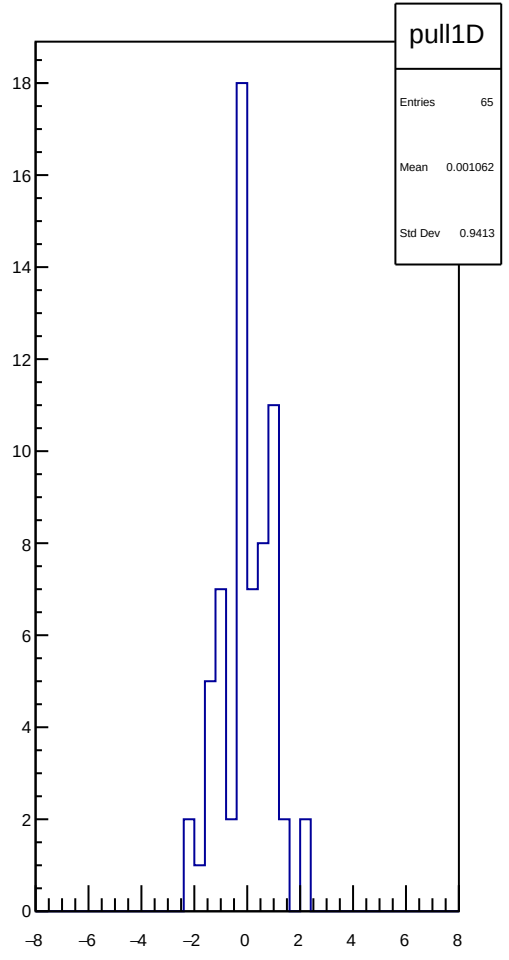

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 5205 / 64
p0 955.8 ± 0.835
1150
1100
1050
1000
950
900
850
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

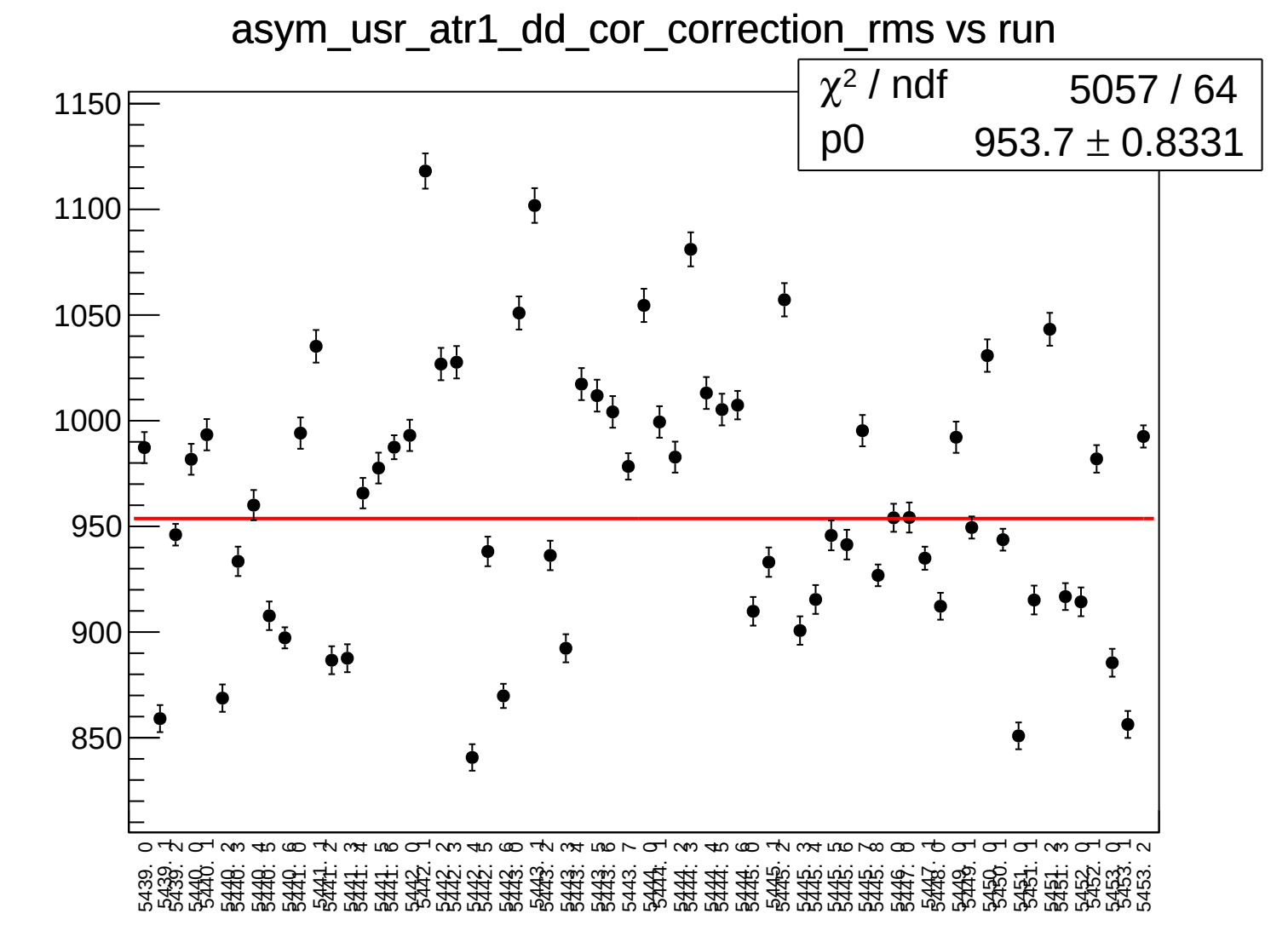

cor_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 81.32 / 64
p0 −1.187e+04 ± 6847
pull
Entries 65
Mean 87.32
Std Dev 0

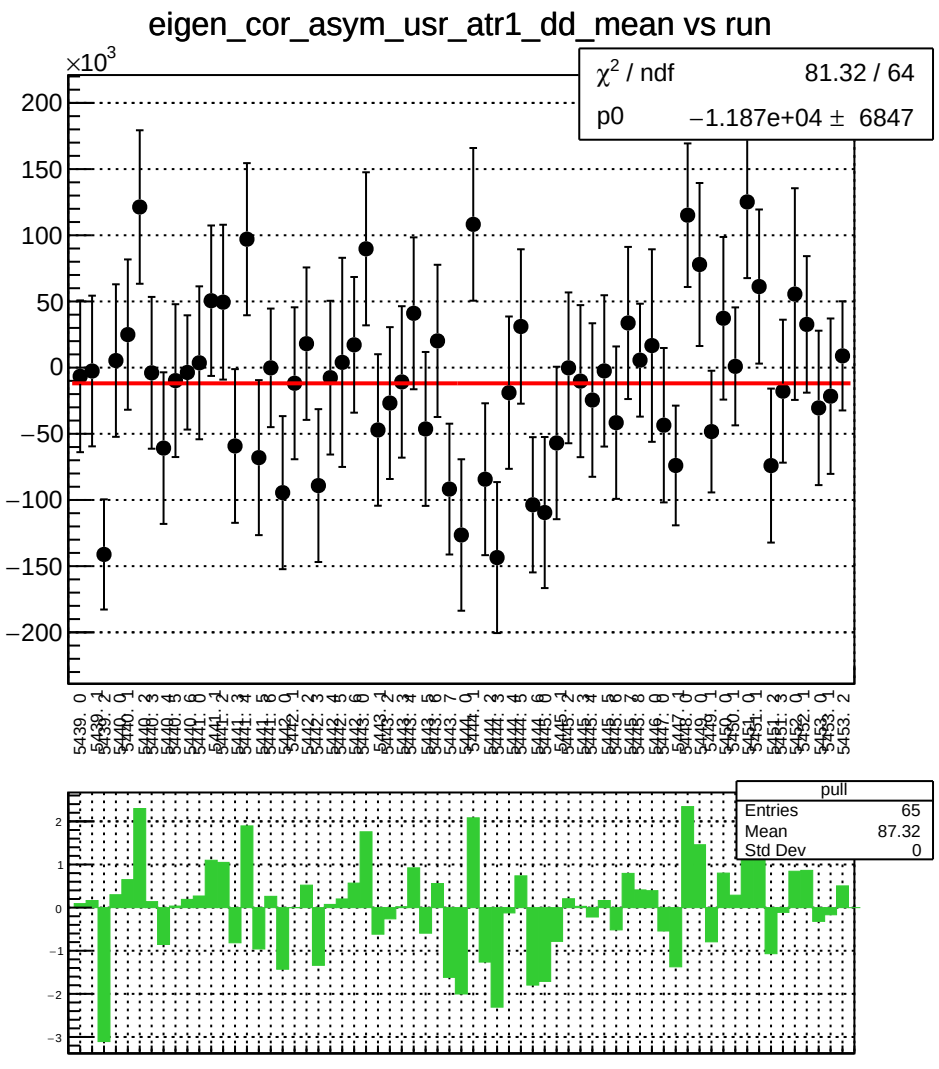

pull1D
Entries 65
Mean 0.02975
Std Dev 1.118

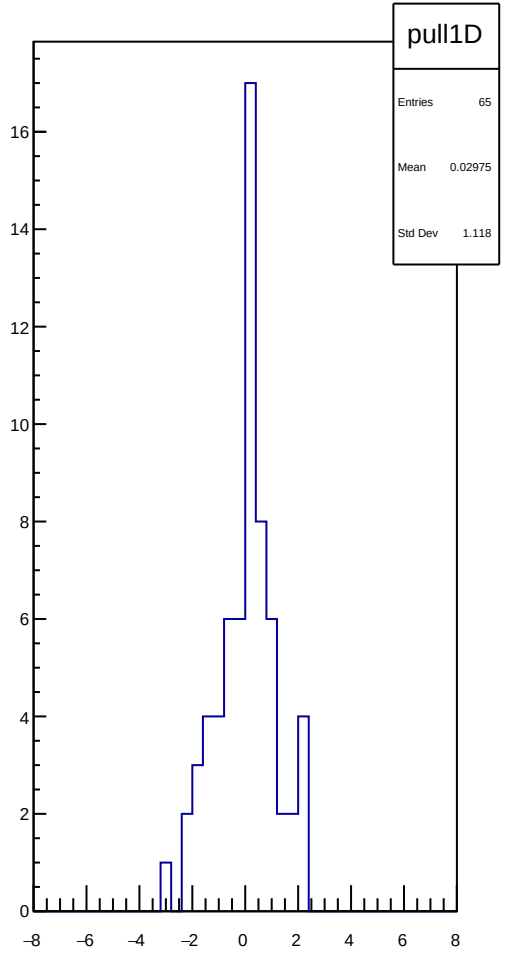

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 4363 / 64
p0 5544 ± 4.842
7500
7000
6500
6000
5500

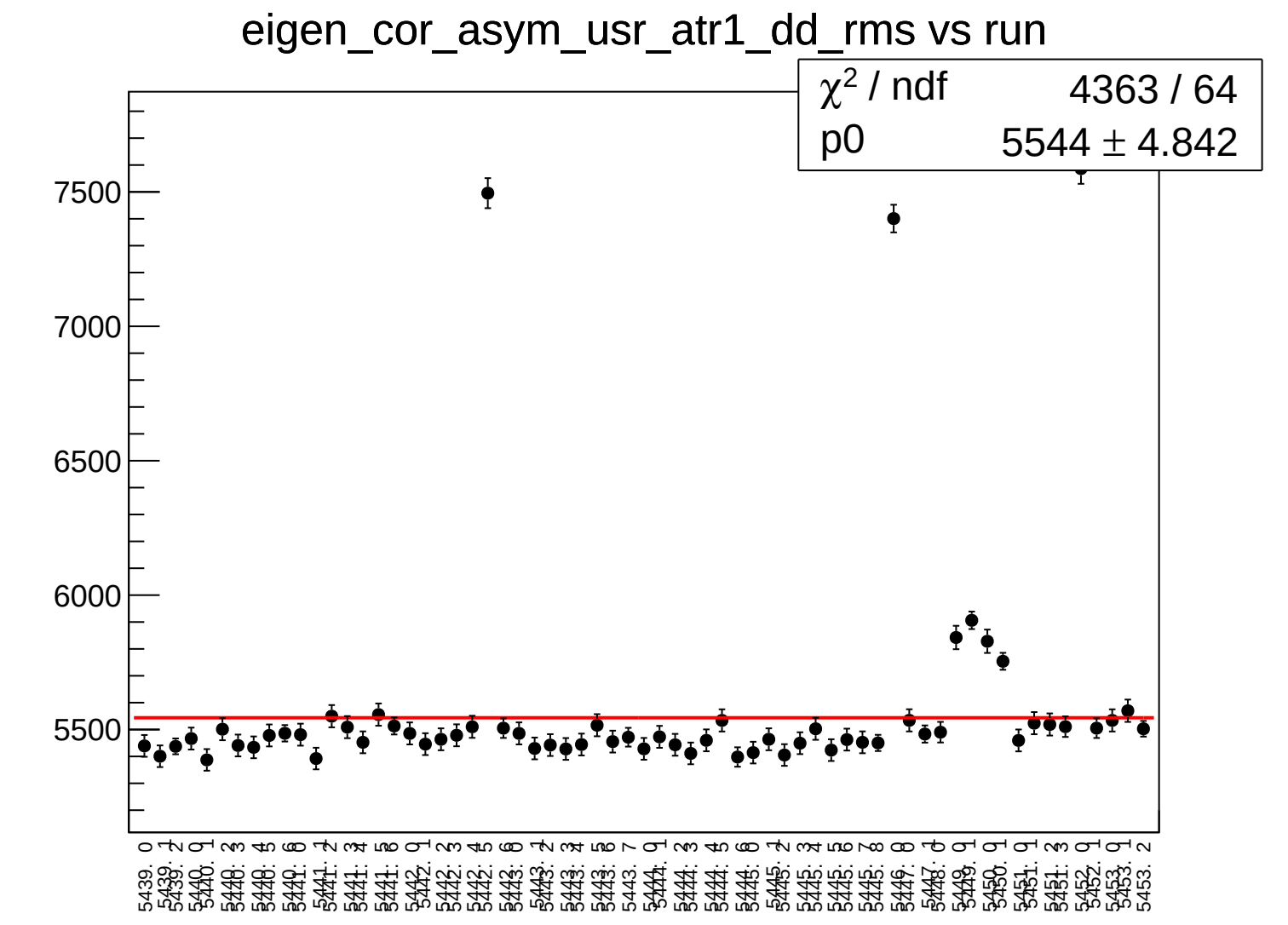

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 57.59 / 64
p0 906.2 ± 1178
pull
Entries 65
Mean −426.4
Std Dev 0

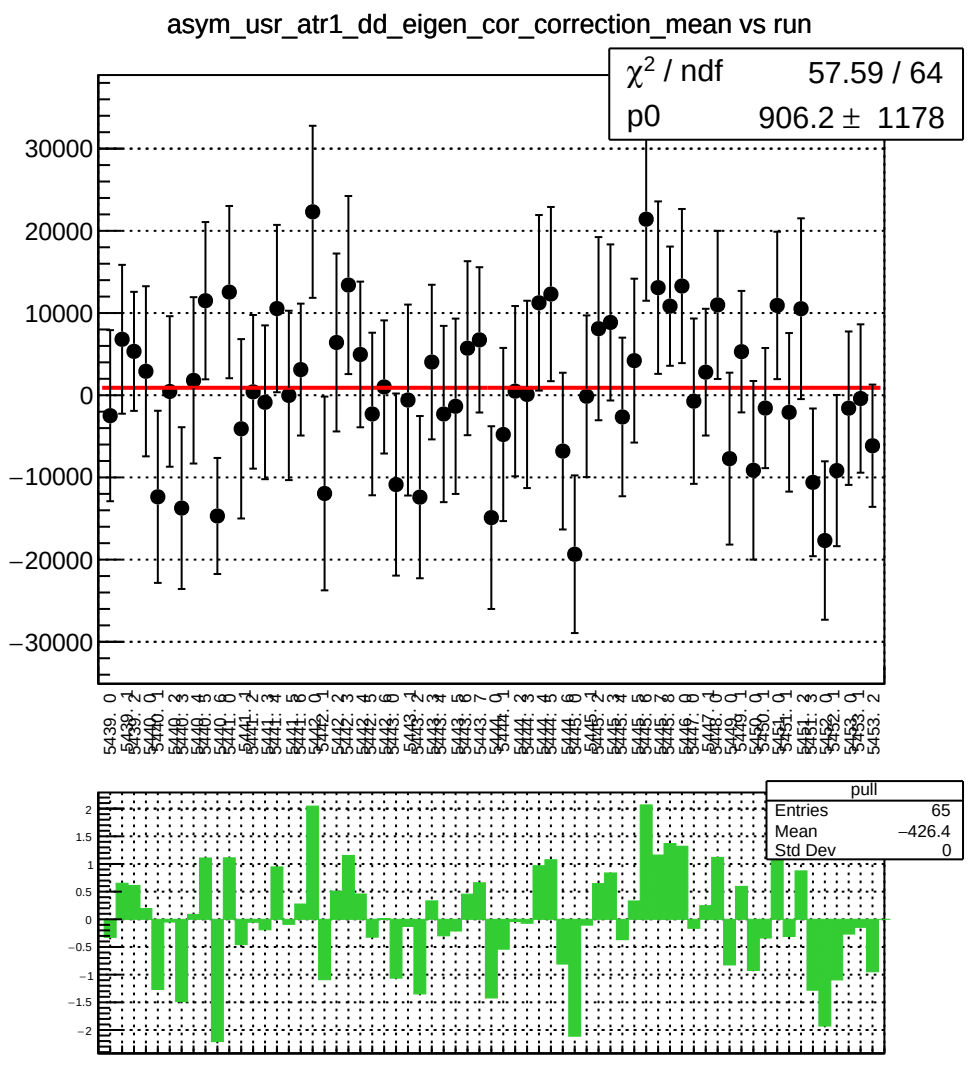

pull1D
Entries 65
Mean 0.001062
Std Dev 0.9413

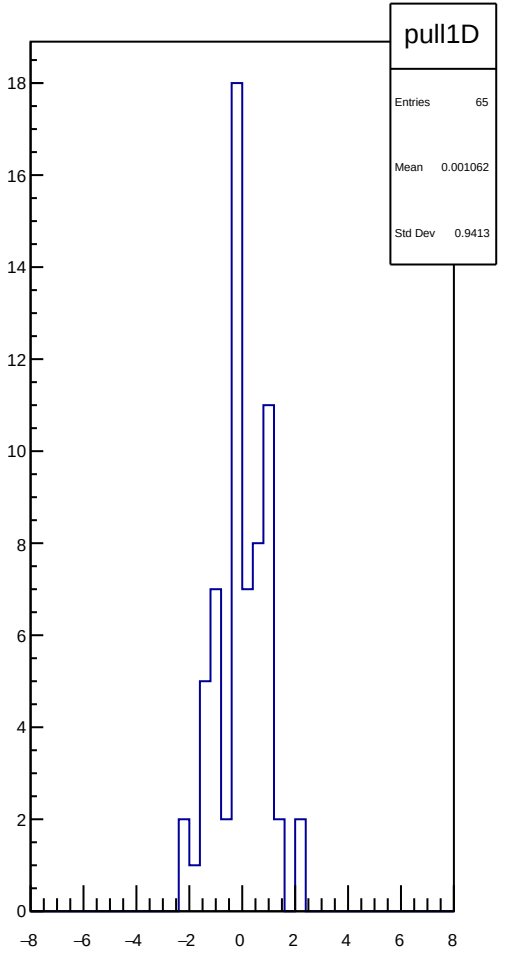

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 5057 / 64
p0 953.7 ± 0.8331
1150
1100
1050
1000
950
900
850
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

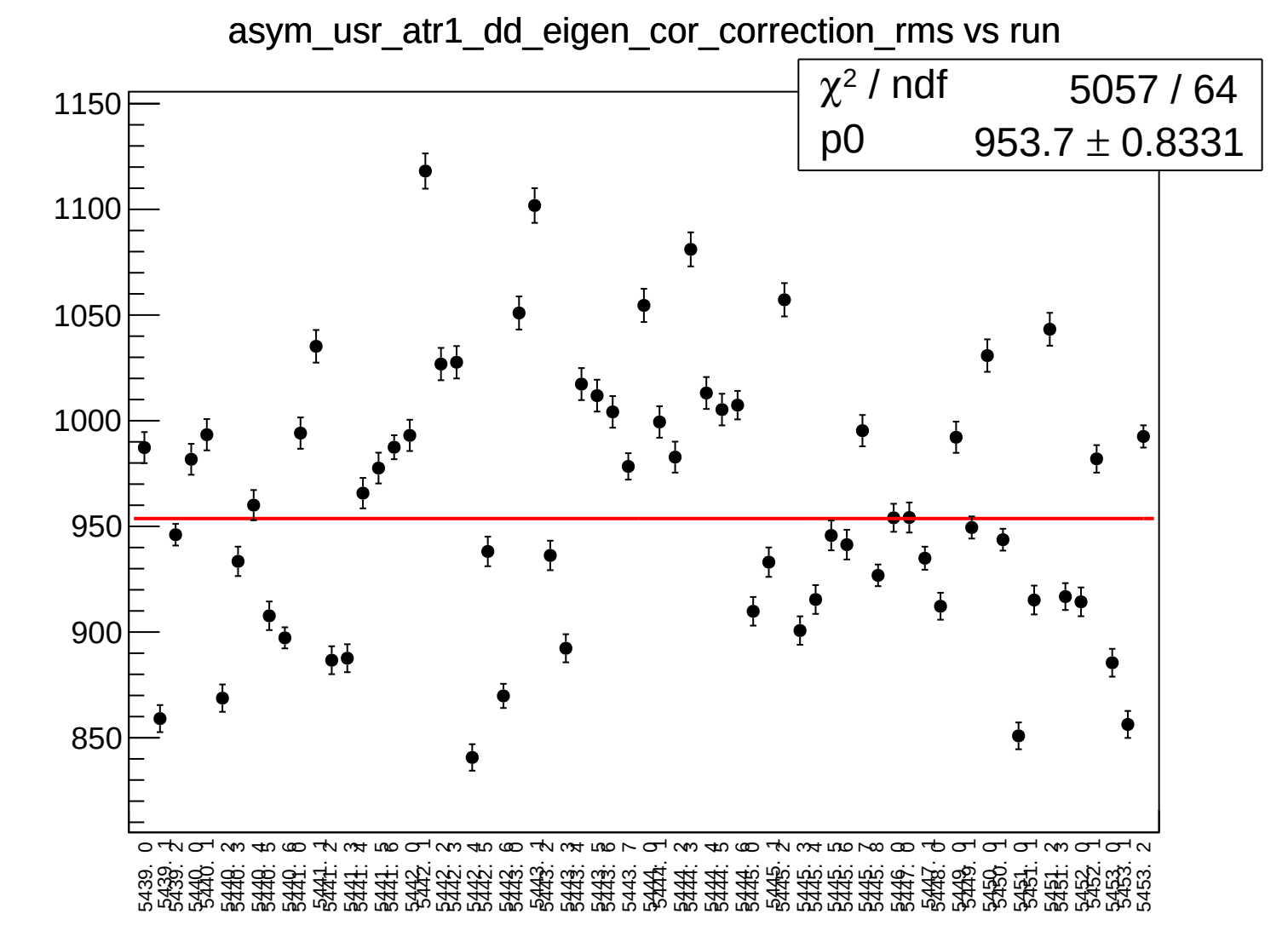

eigen_cor_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 81.32 / 64
p0 −1.187e+04 ± 6847
pull
Entries 65
Mean 87.32
Std Dev 0

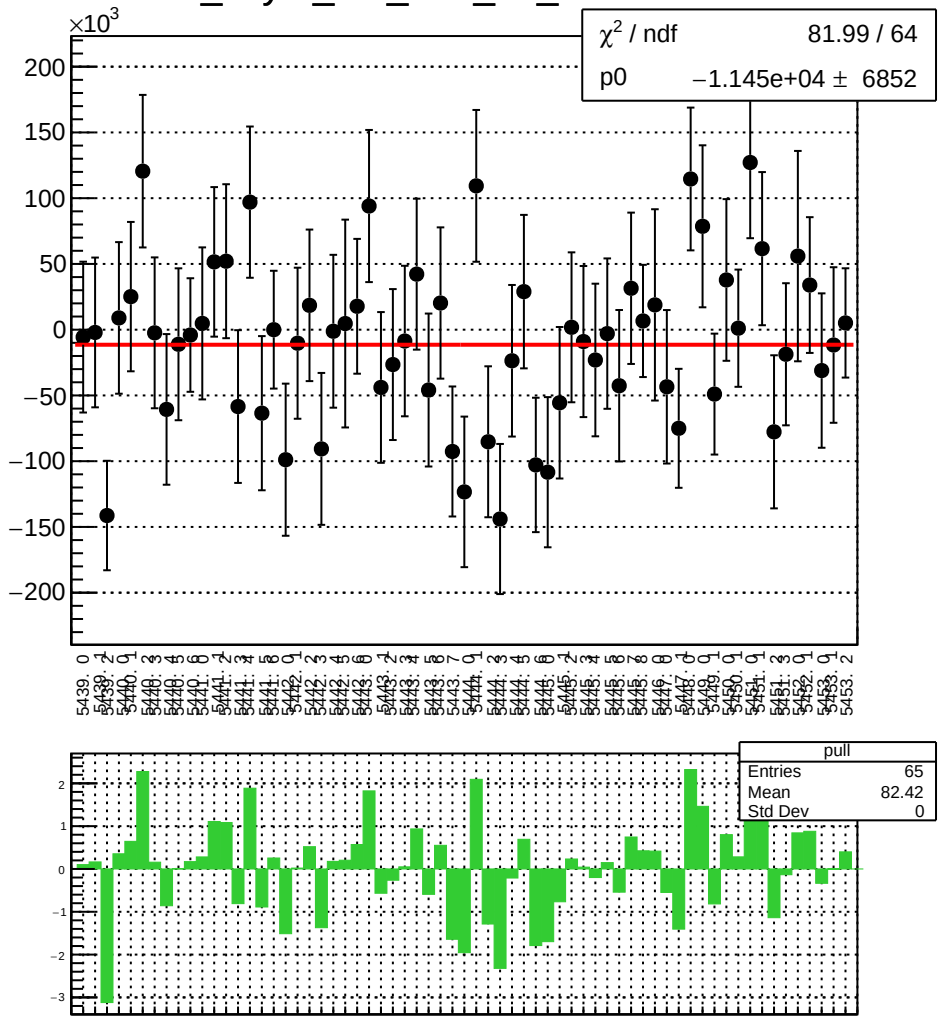

pull1D
Entries 65
Mean 0.02975
Std Dev 1.118

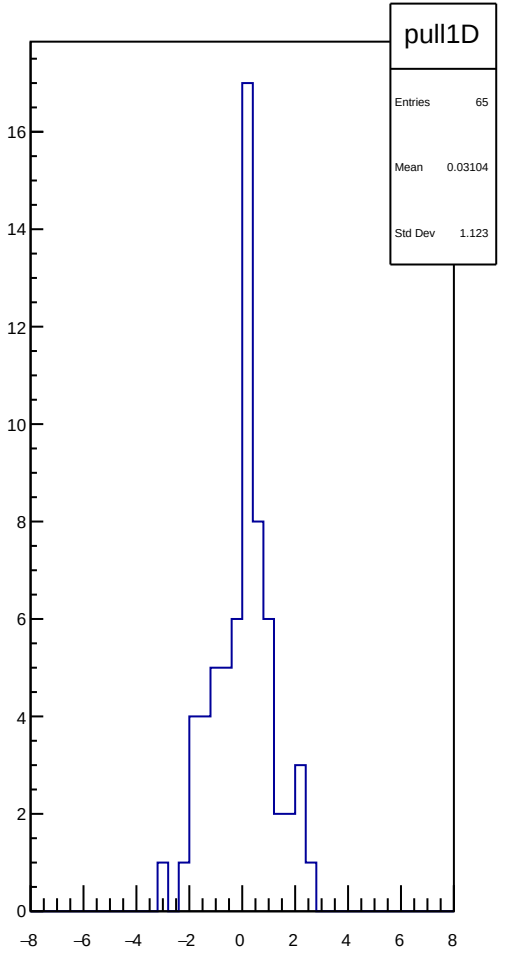

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 4363 / 64
p0 5544 ± 4.842
7500
7000
6500
6000
5500

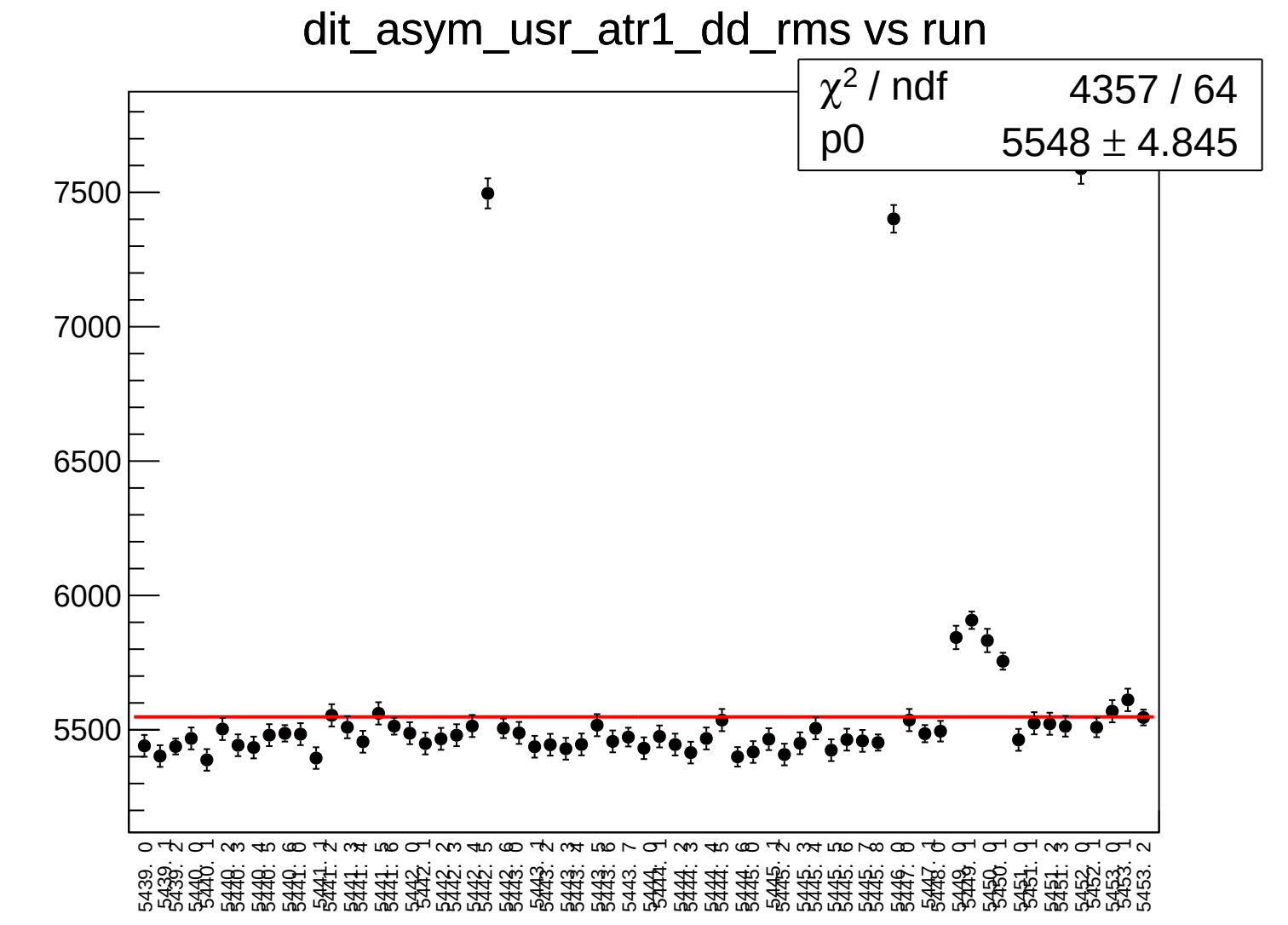

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.59 / 64
p0 906.2 ± 1178
pull
Entries 65
Mean −426.4
Std Dev 0

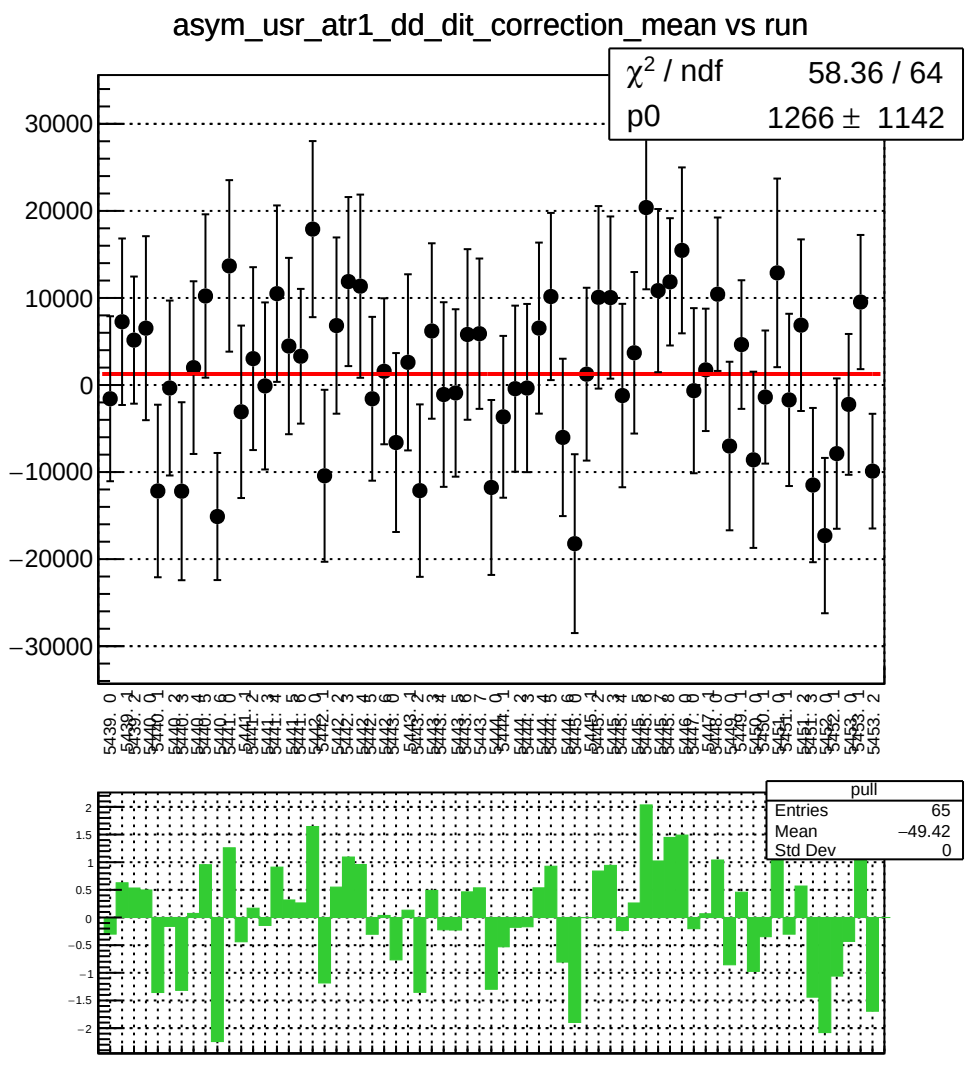

pull1D
Entries 65
Mean 0.001062
Std Dev 0.9413

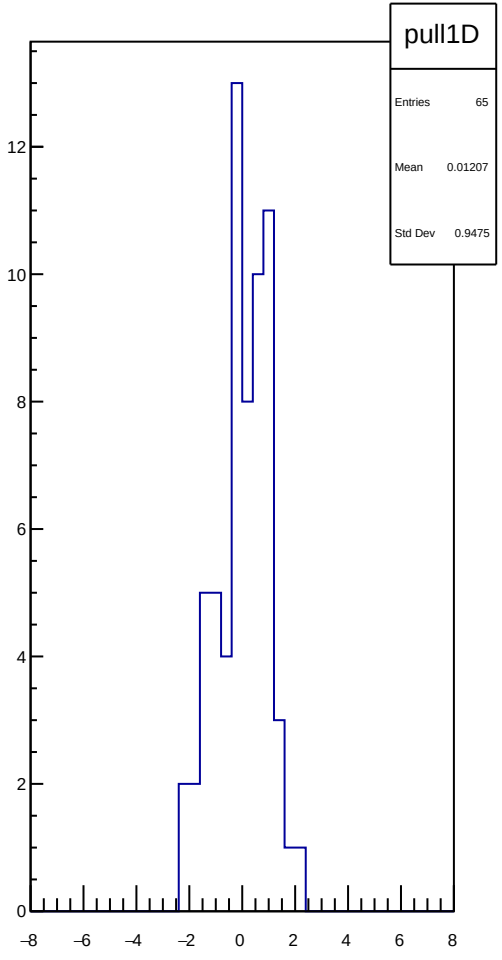

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5057 / 64
p0 953.7 ± 0.8331
1150
1100
1050
1000
950
900
850

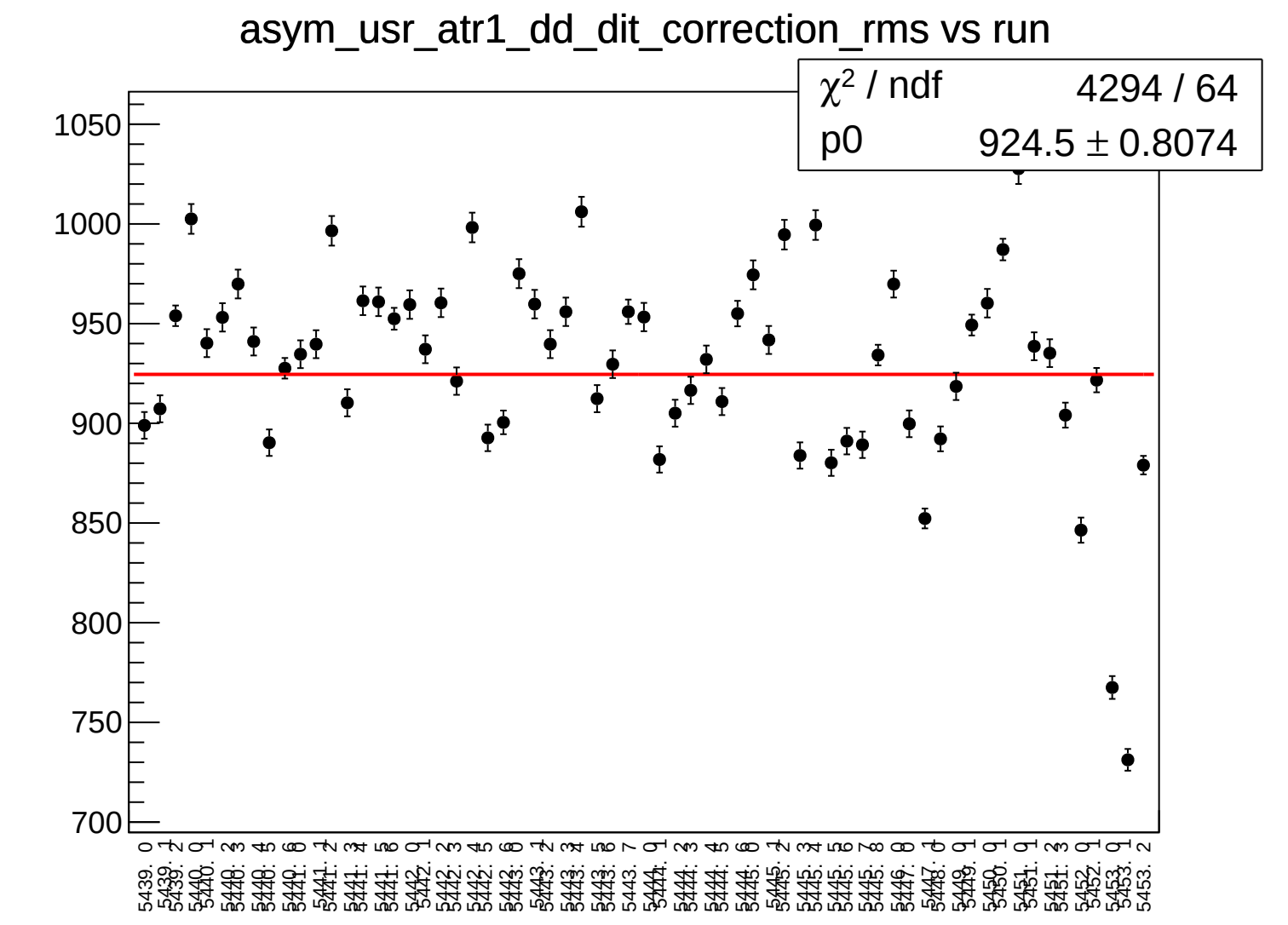

dit_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 81.99 / 64
p0 −1.145e+04 ± 6852
pull
Entries 65
Mean 82.42
Std Dev 0

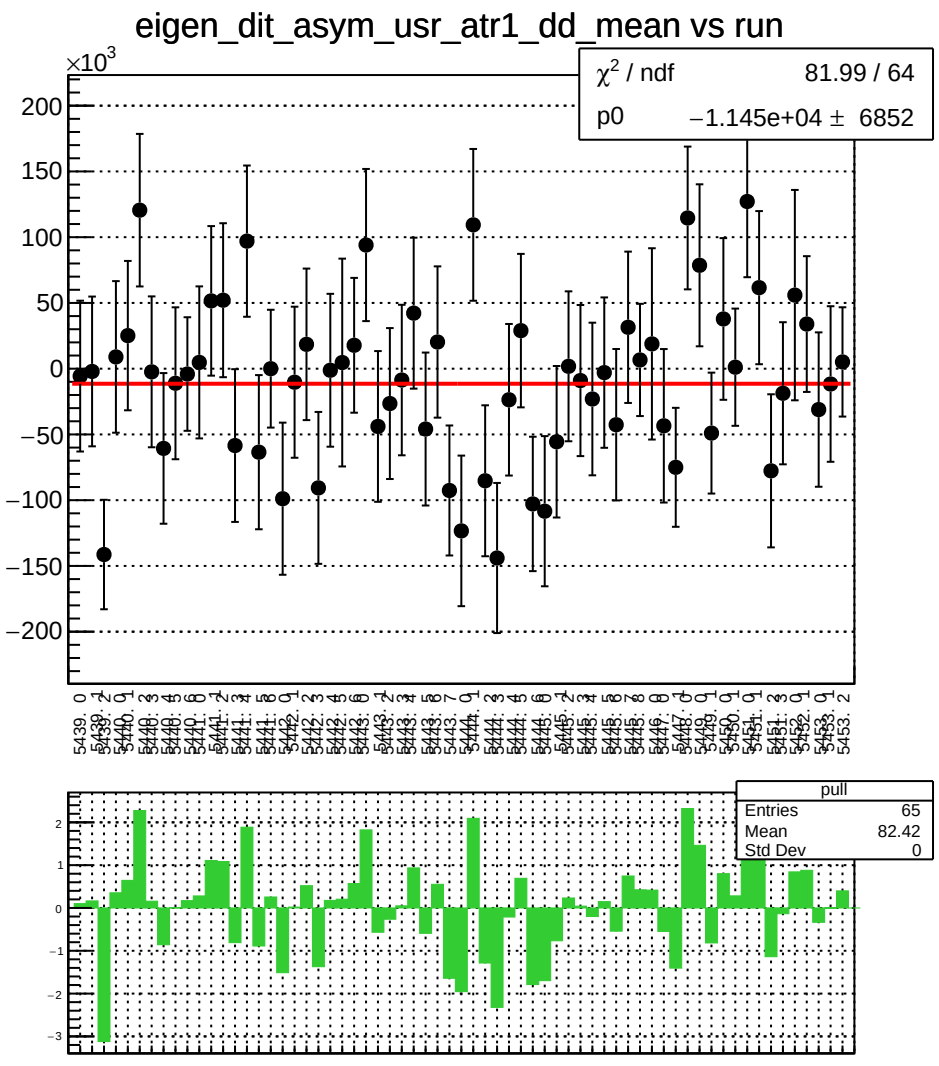

pull1D
Entries 65
Mean 0.03104
Std Dev 1.123

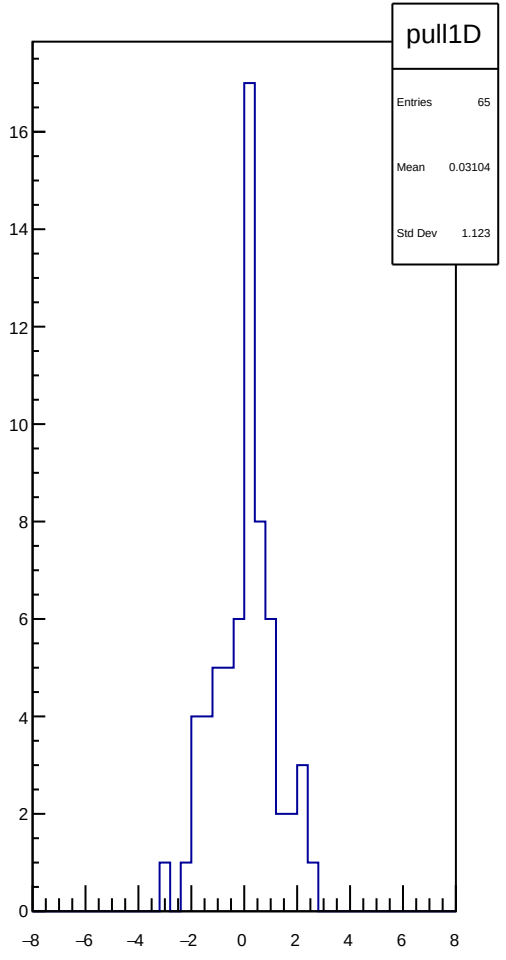

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 4357 / 64
p0 5548 ± 4.845
7500
7000
6500
6000
5500

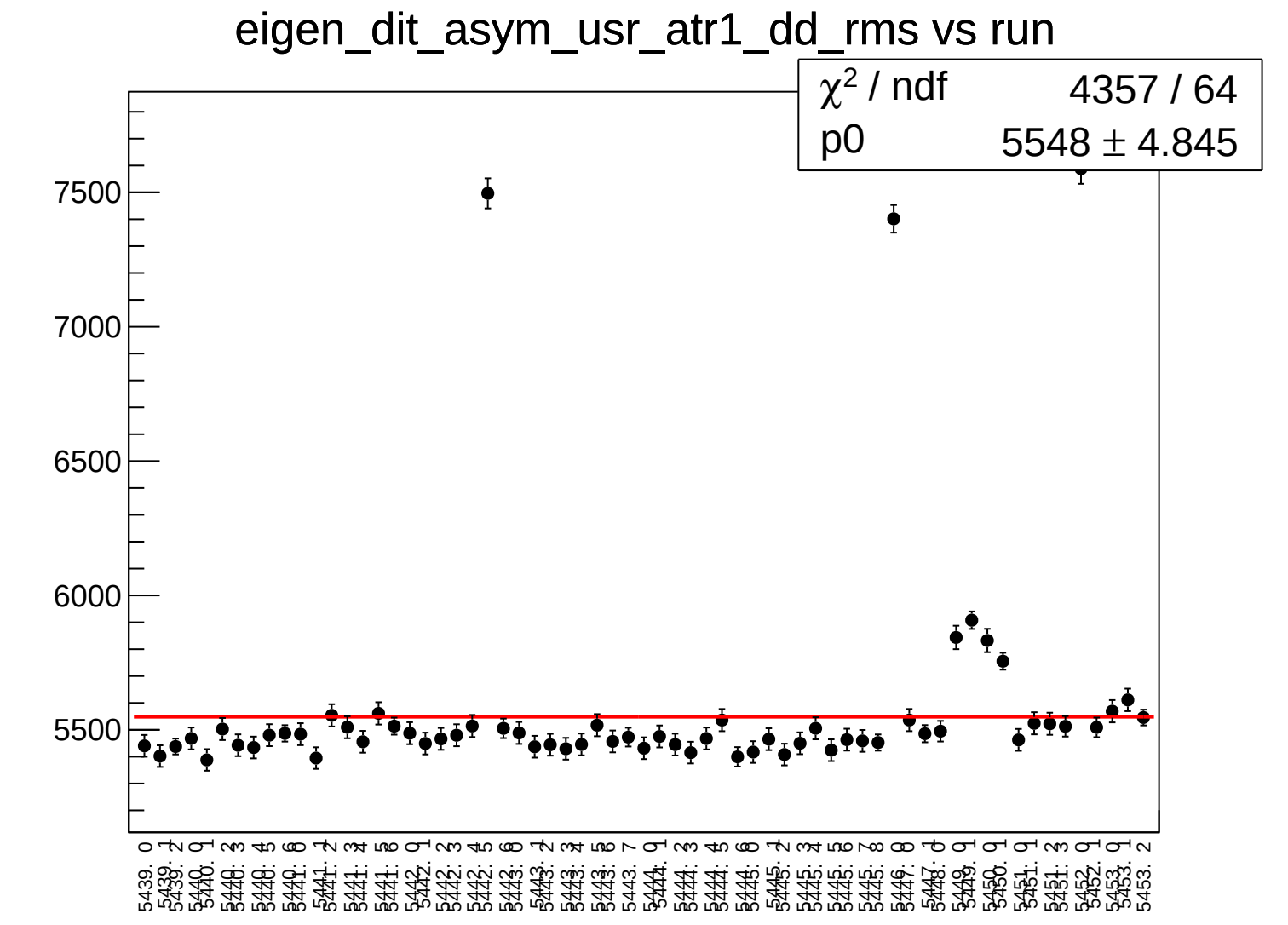

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 58.36 / 64
p0 1266 ± 1142
pull
Entries 65
Mean −49.42
Std Dev 0

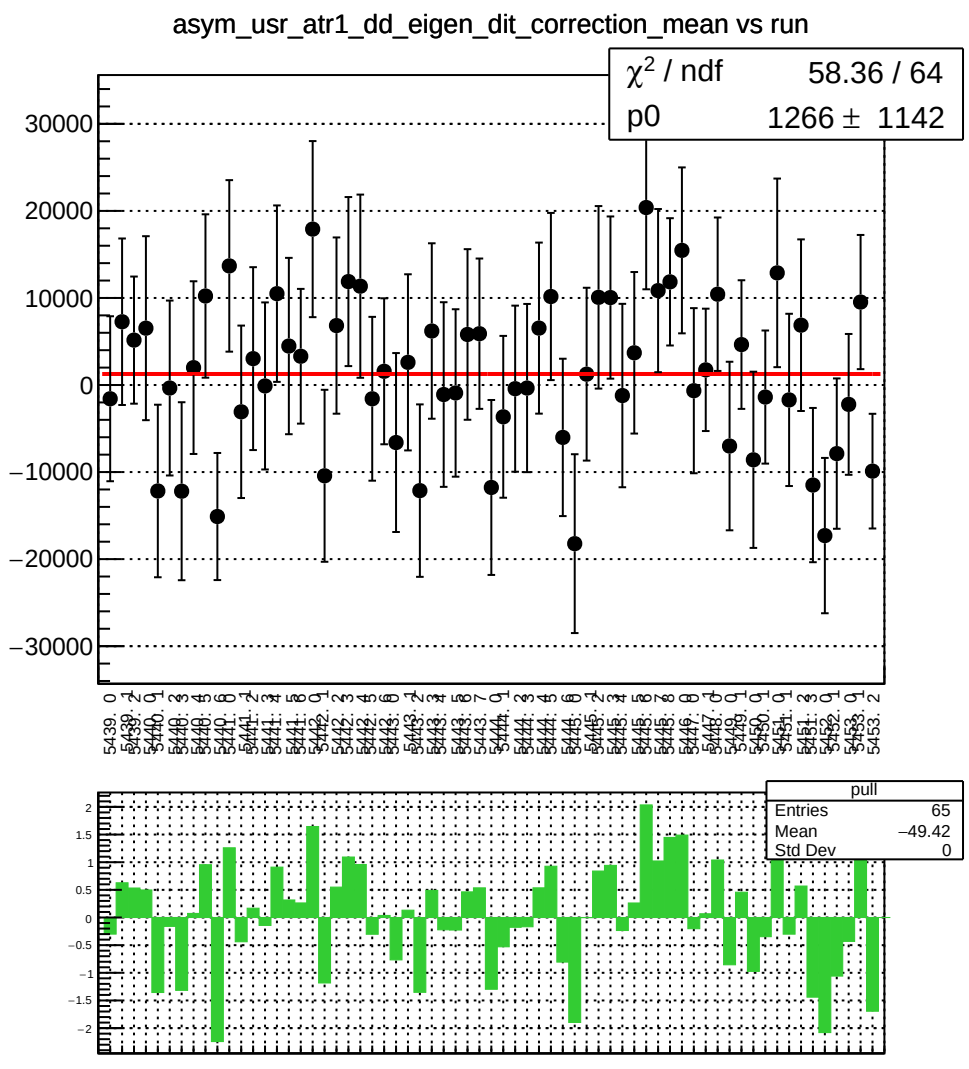

pull1D
Entries 65
Mean 0.01207
Std Dev 0.9475

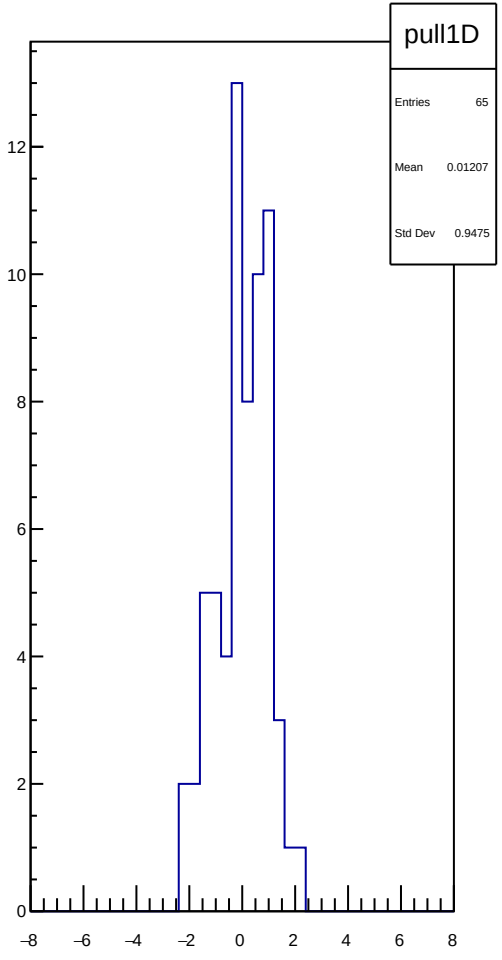

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 4294 / 64
p0 924.5 ± 0.8074
1050
1000
950
900
850
800
750
700

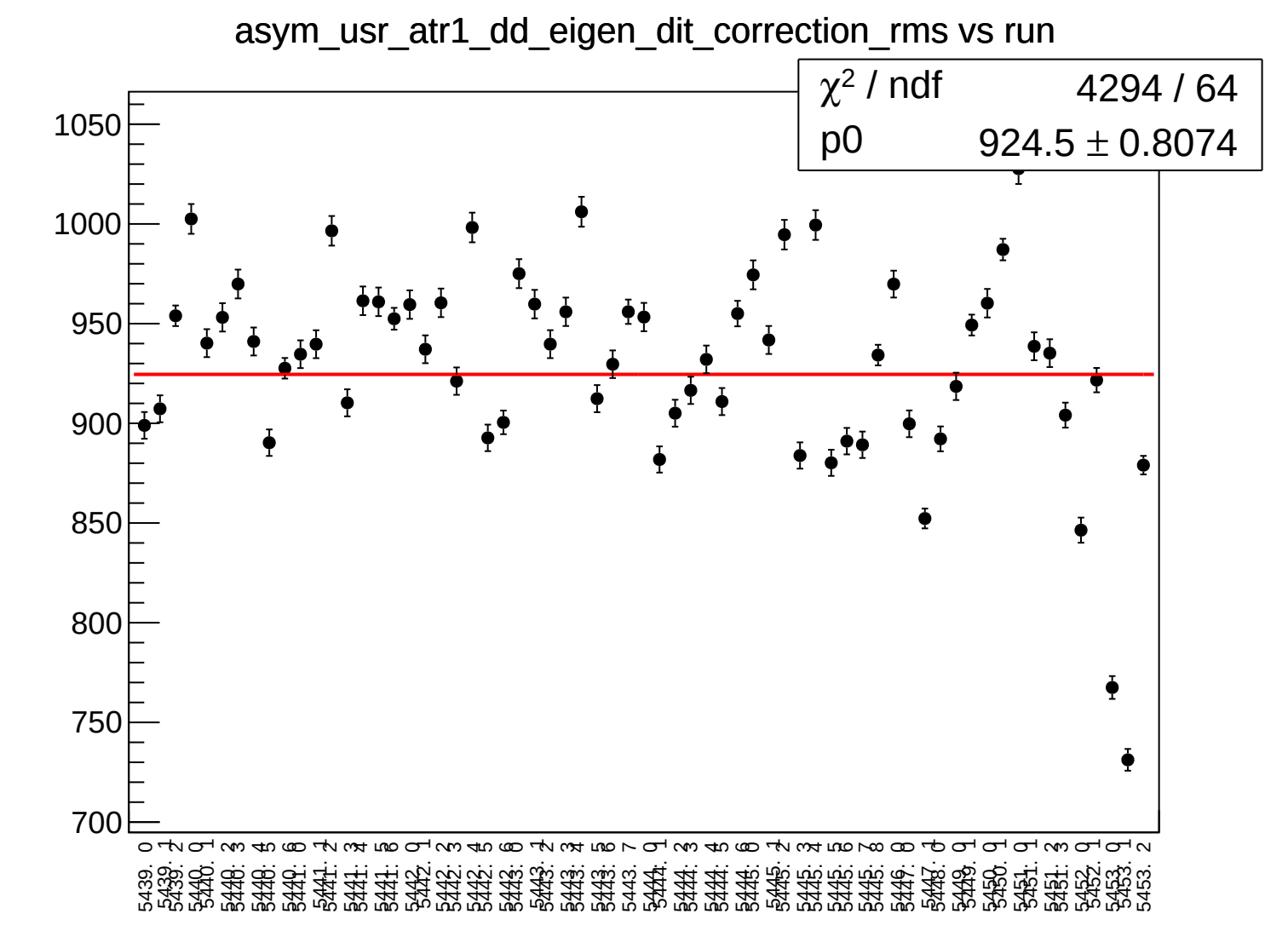

eigen_dit_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 81.99 / 64
p0 −1.145e+04 ± 6852
pull
Entries 65
Mean 82.42
Std Dev 0

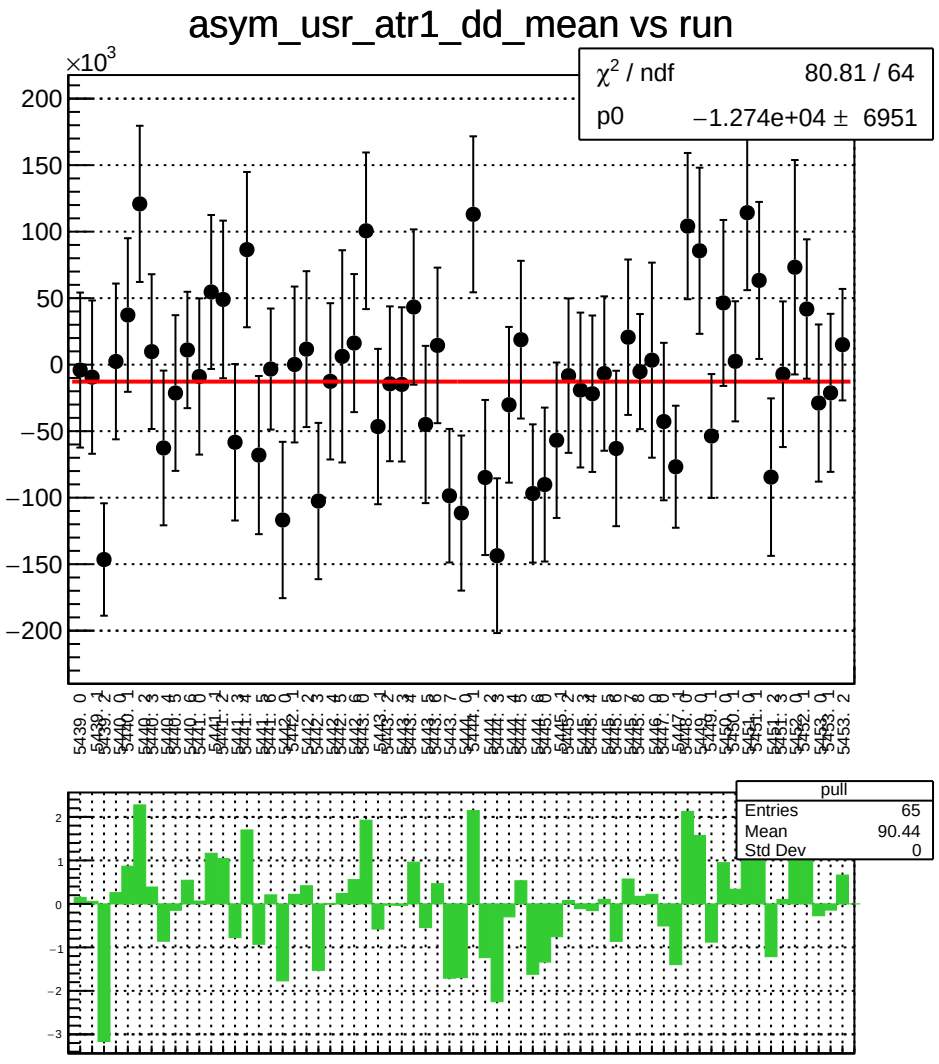

pull1D
Entries 65
Mean 0.03104
Std Dev 1.123

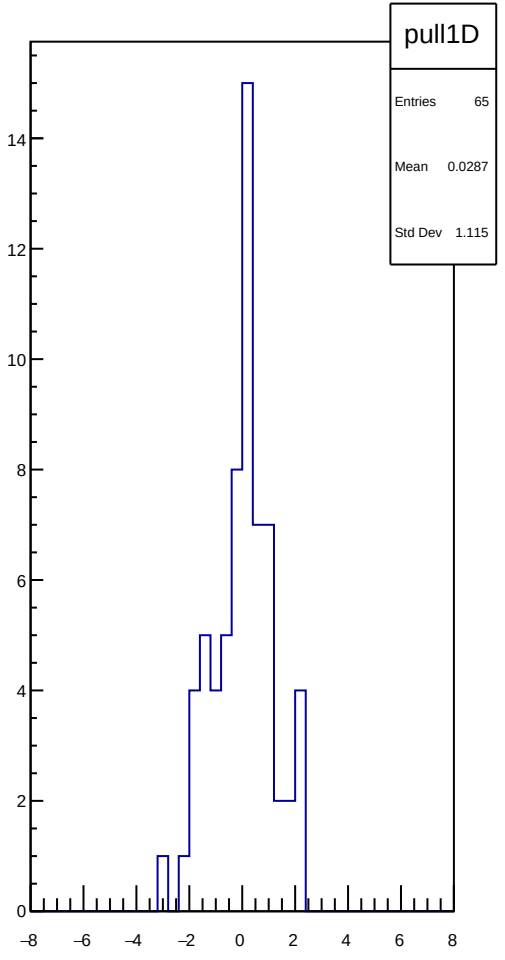

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 4357 / 64
p0 5548 ± 4.845
7500
7000
6500
6000
5500

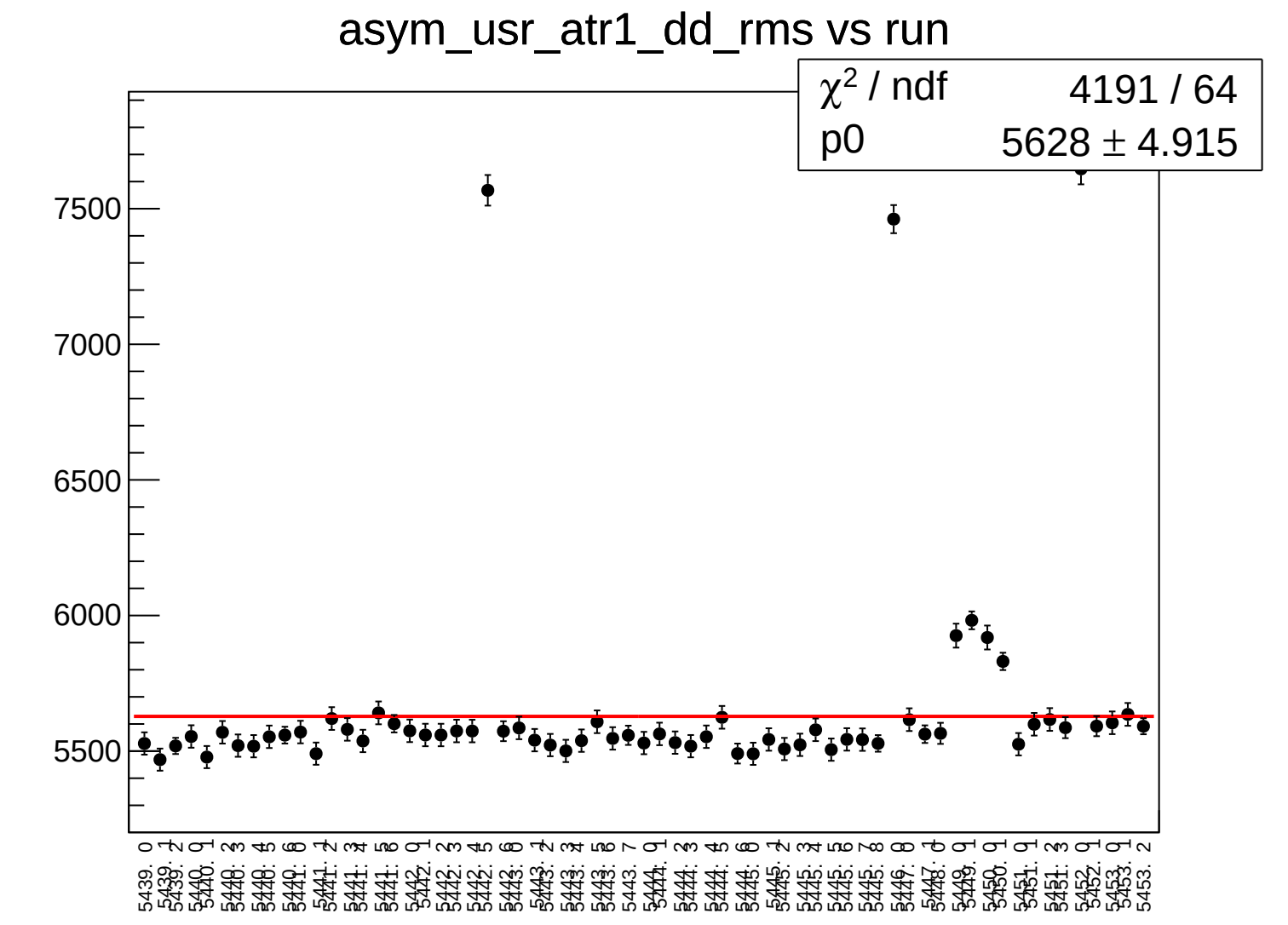

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.36 / 64
p0 1266 ± 1142
pull
Entries 65
Mean −49.42
Std Dev 0

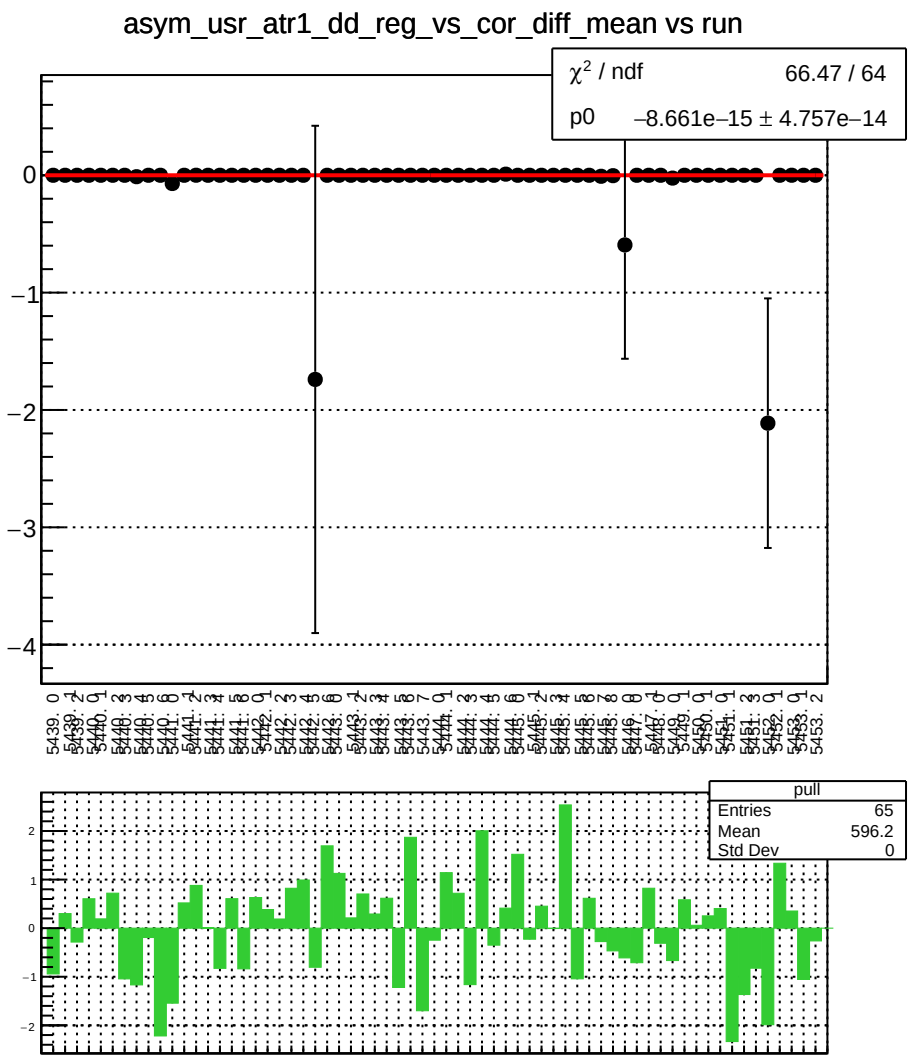

pull1D
Entries 65
Mean 0.01207
Std Dev 0.9475

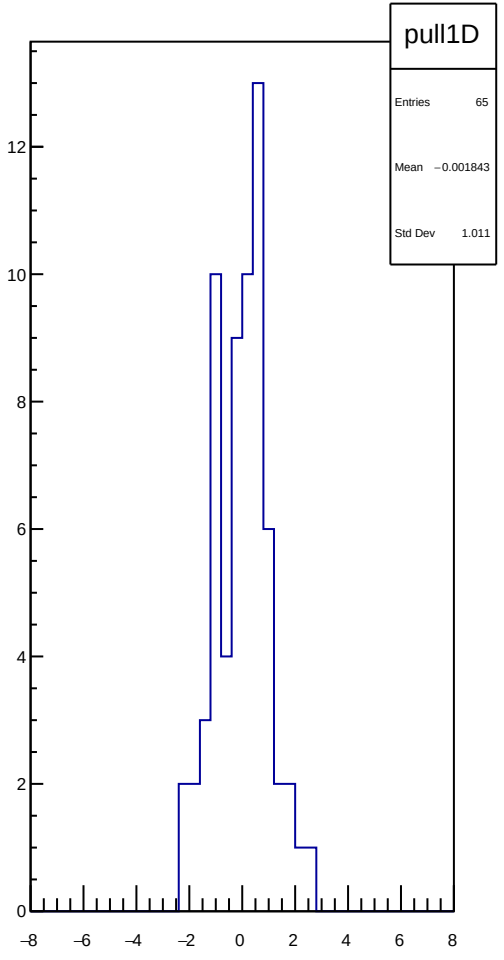

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4294 / 64
p0 924.5 ± 0.8074
1050
1000
950
900
850
800
750
700

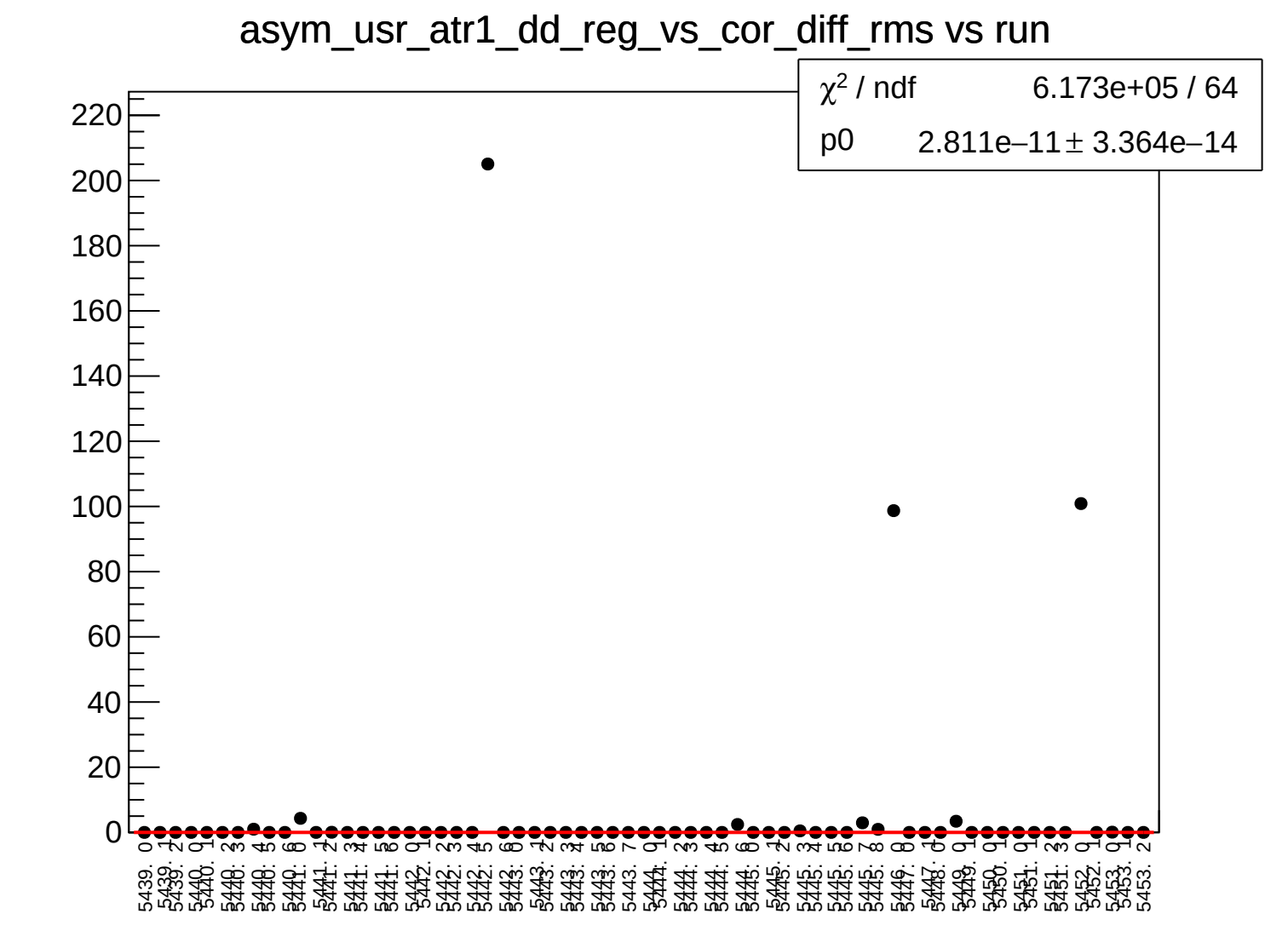

asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 80.81 / 64
p0 −1.274e+04 ± 6951
pull
Entries 65
Mean 90.44
Std Dev 0

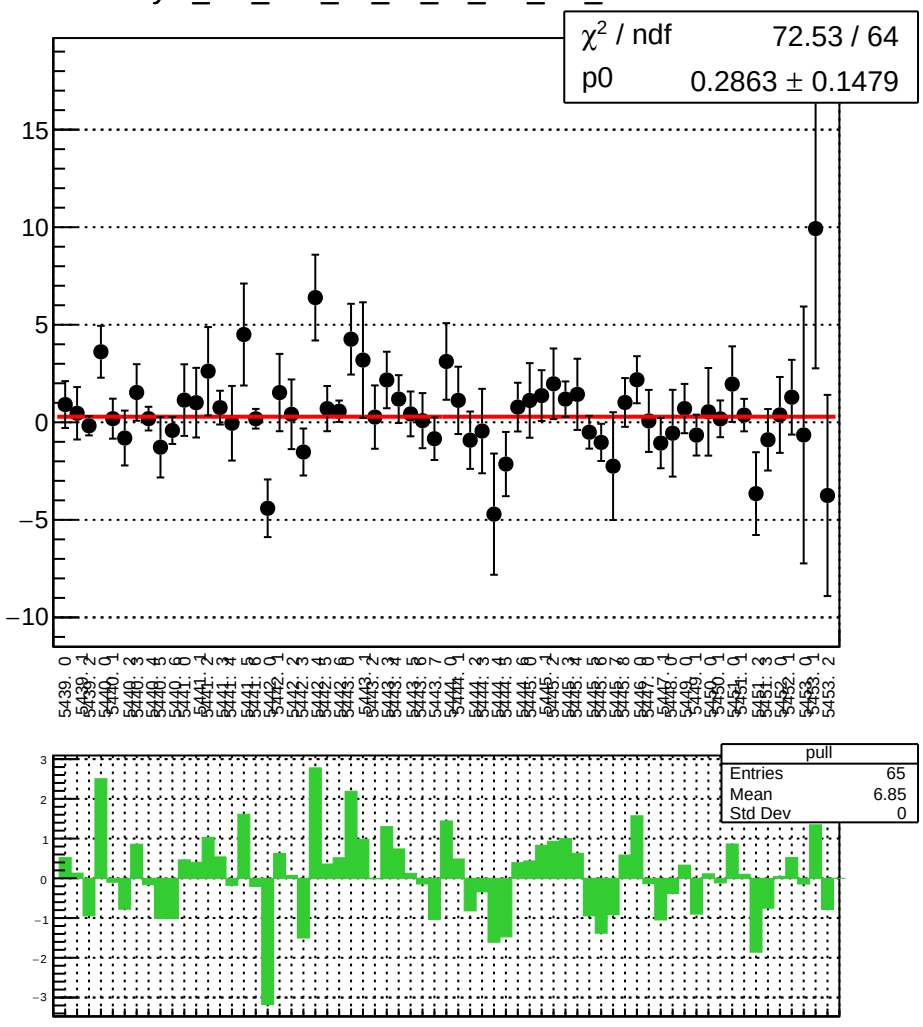

pull1D
Entries 65
Mean 0.0287
Std Dev 1.115

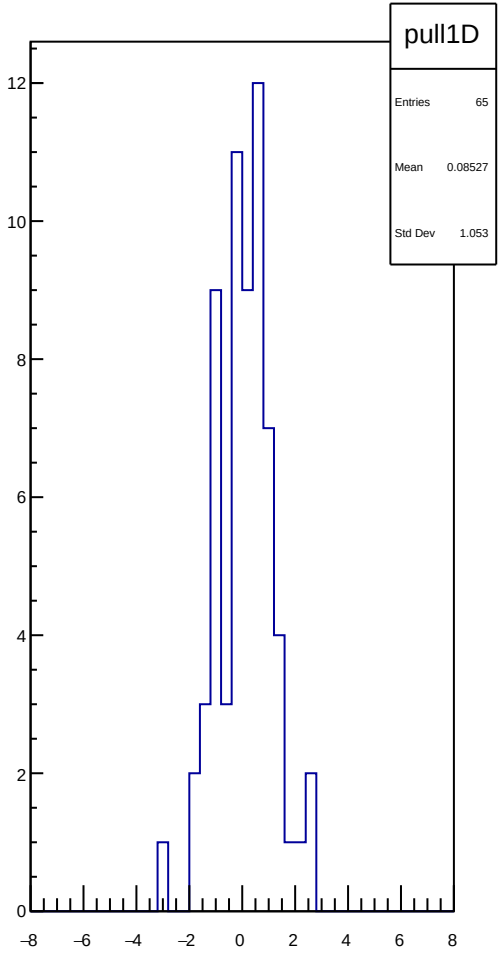

asym_usr_atr1_dd_rms vs run
χ² / ndf 4191 / 64
p0 5628 ± 4.915
7500
7000
6500
6000
5500

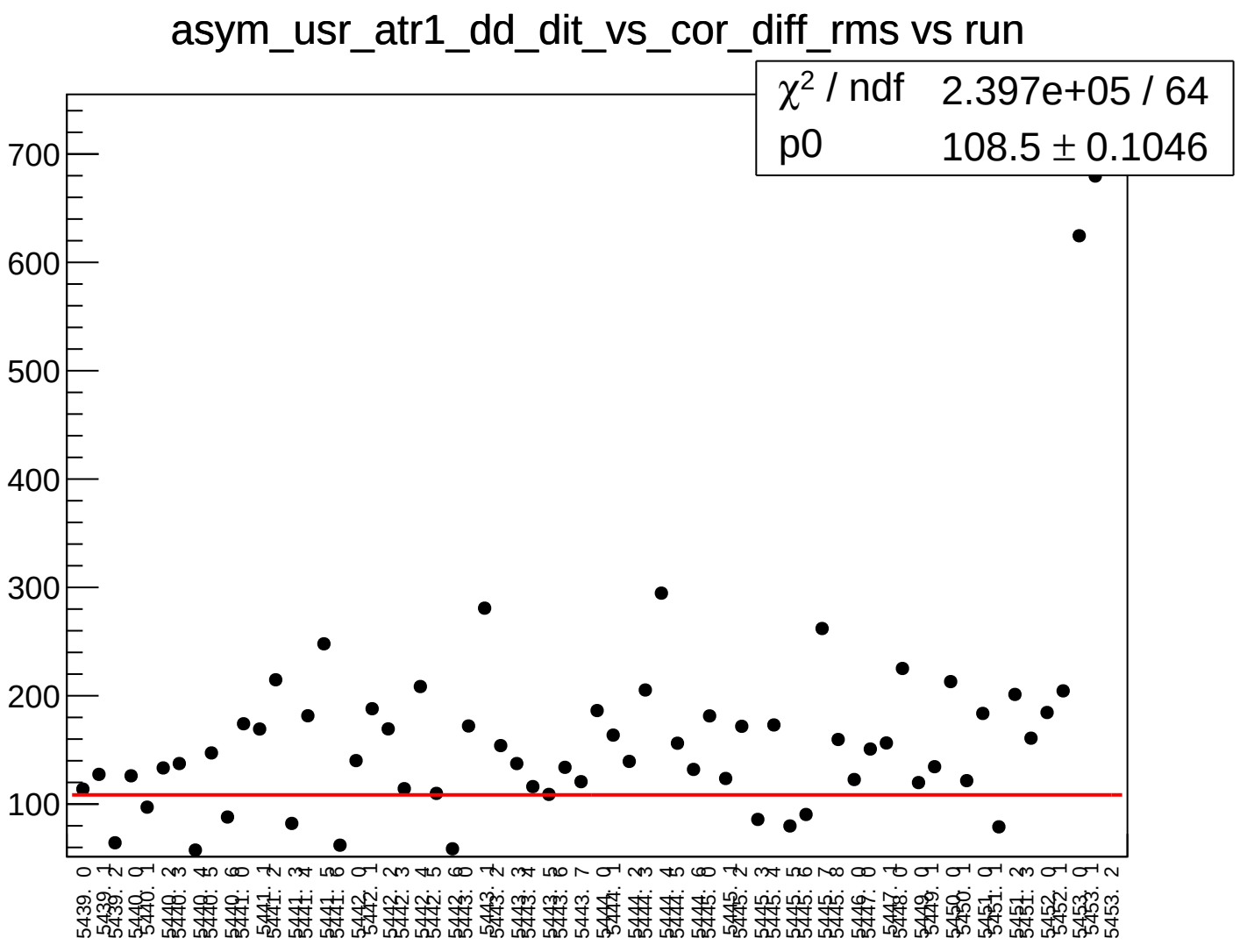

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.47 / 64
p0 −8.661e−15 ± 4.757e−14
pull
Entries 65
Mean 596.2
Std Dev 0

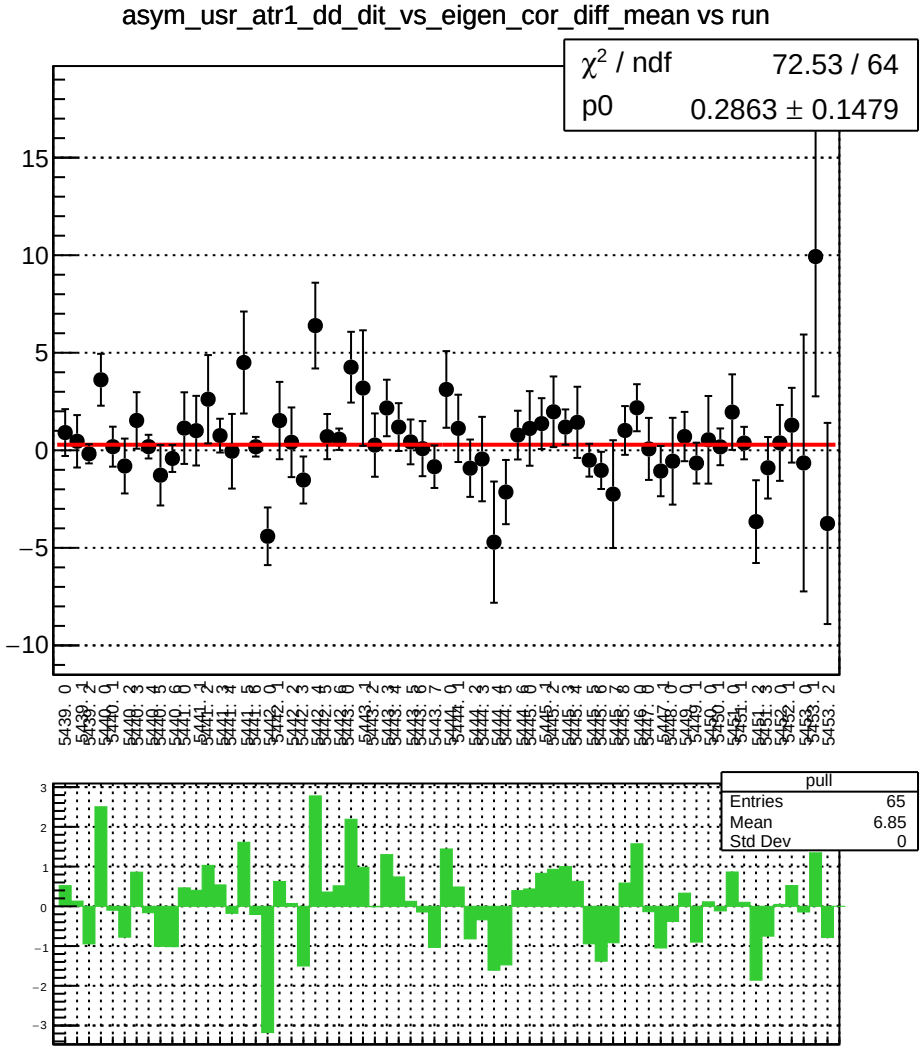

pull1D
Entries 65
Mean −0.001843
Std Dev 1.011

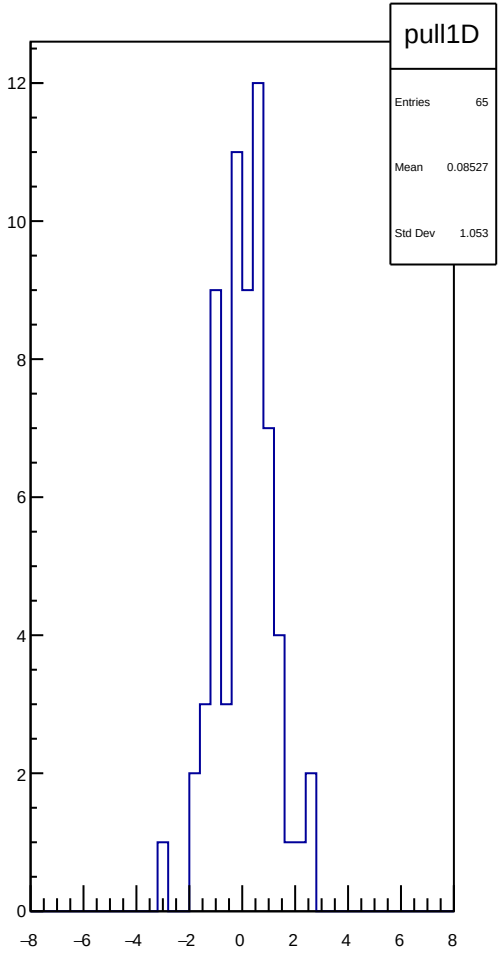

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.173e+05 / 64
p0 2.811e−11 ± 3.364e−14
220
200
180
160
140
120
100
80
60
40
20
0

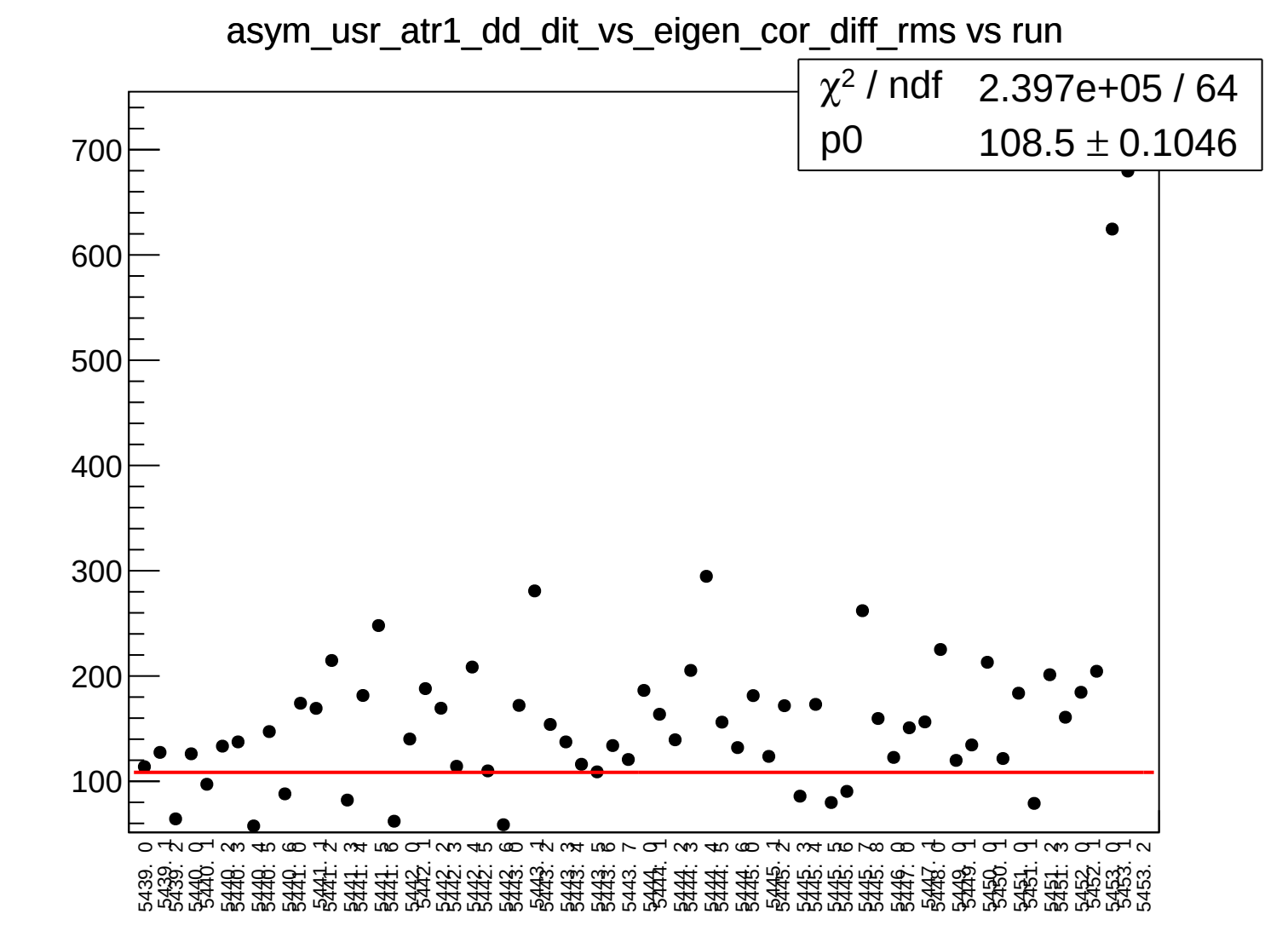

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.53 / 64
p0 0.2863 ± 0.1479
pull
Entries 65
Mean 6.85
Std Dev 0

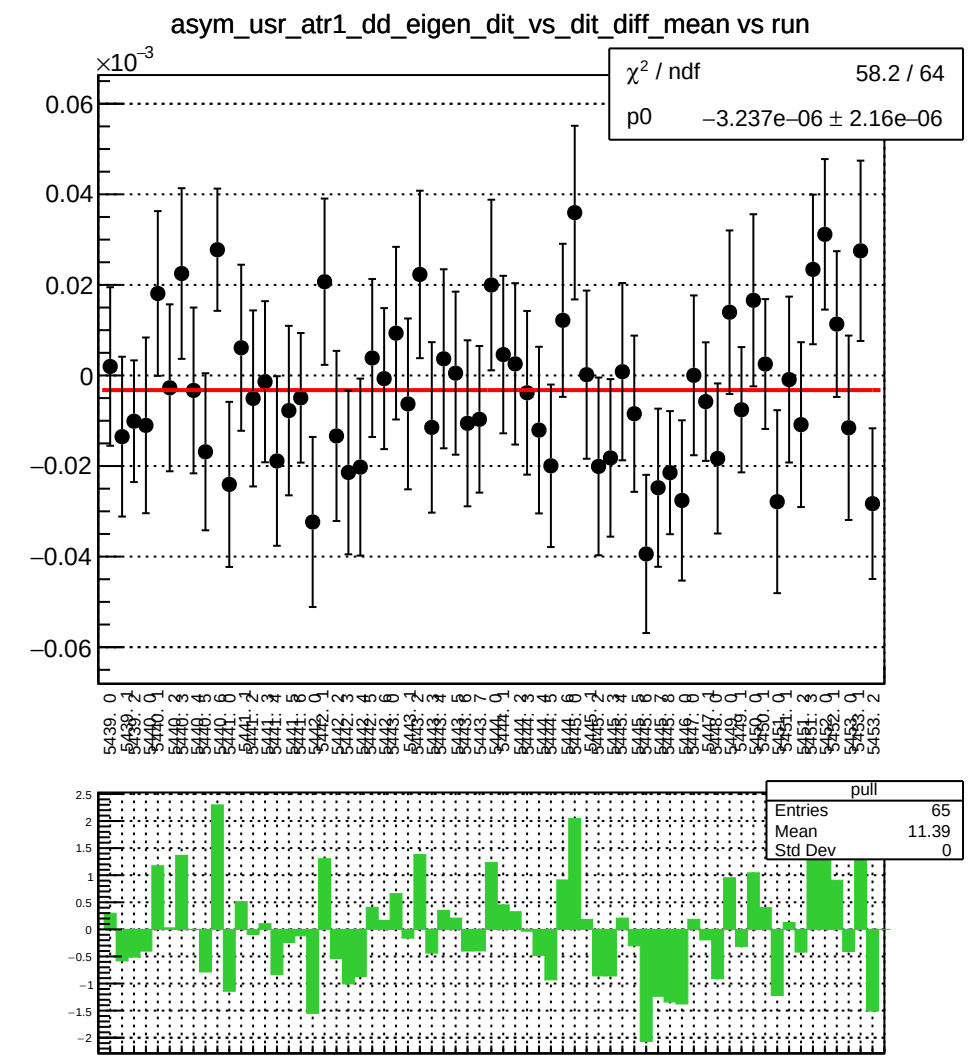

pull1D
Entries 65
Mean 0.08527
Std Dev 1.053

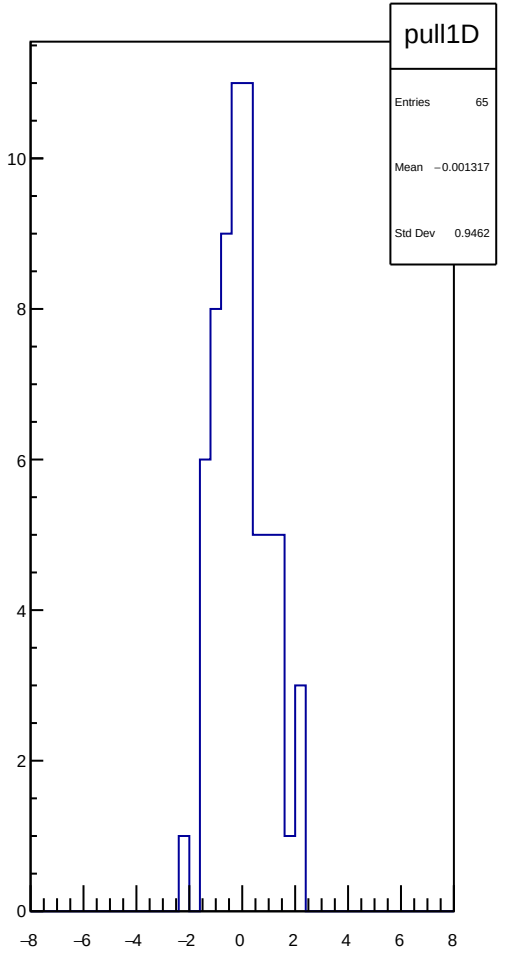

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 108.5 ± 0.1046
700
600
500
400
300
200
100

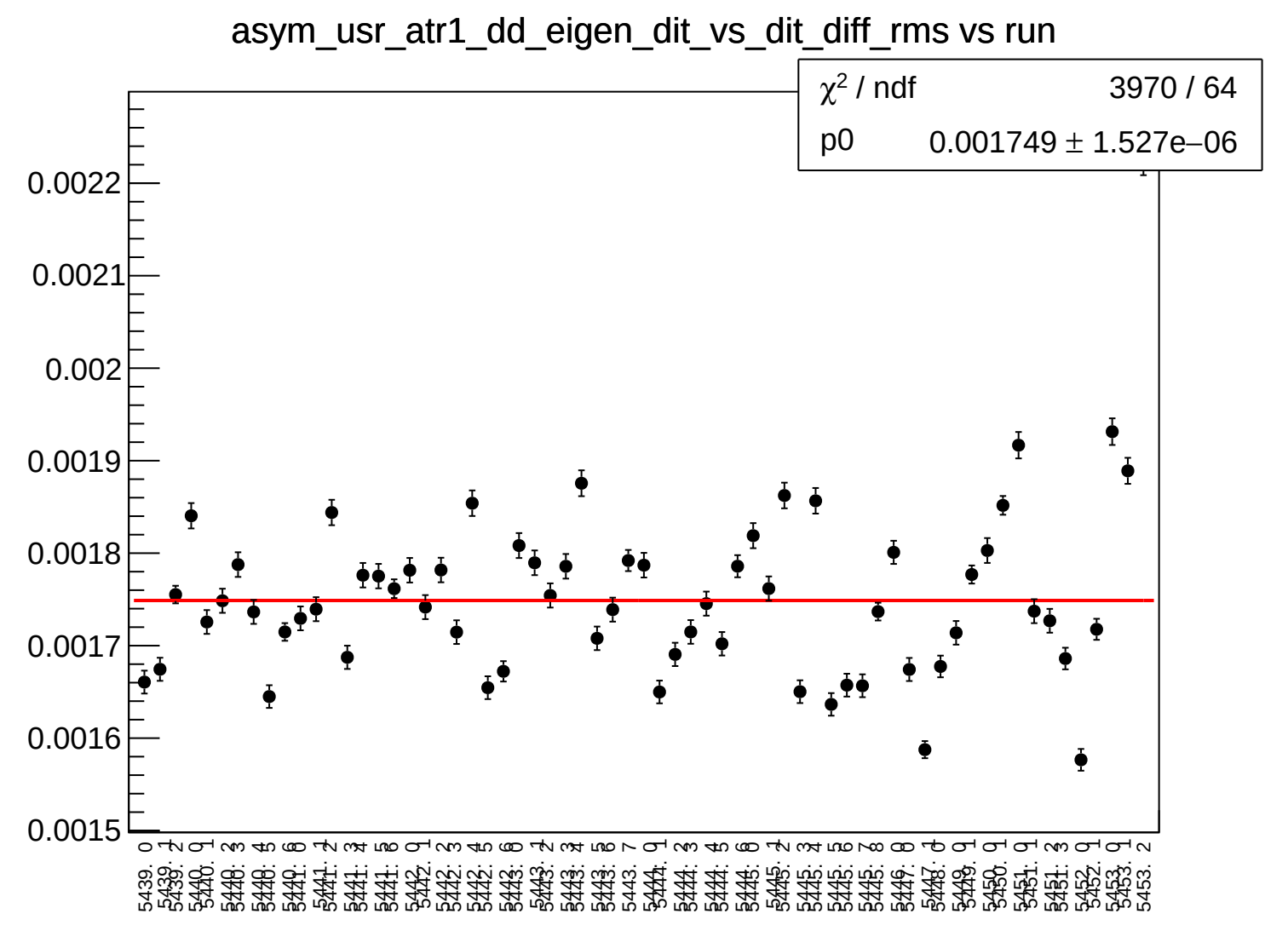

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.53 / 64
p0 0.2863 ± 0.1479
pull
Entries 65
Mean 6.85
Std Dev 0

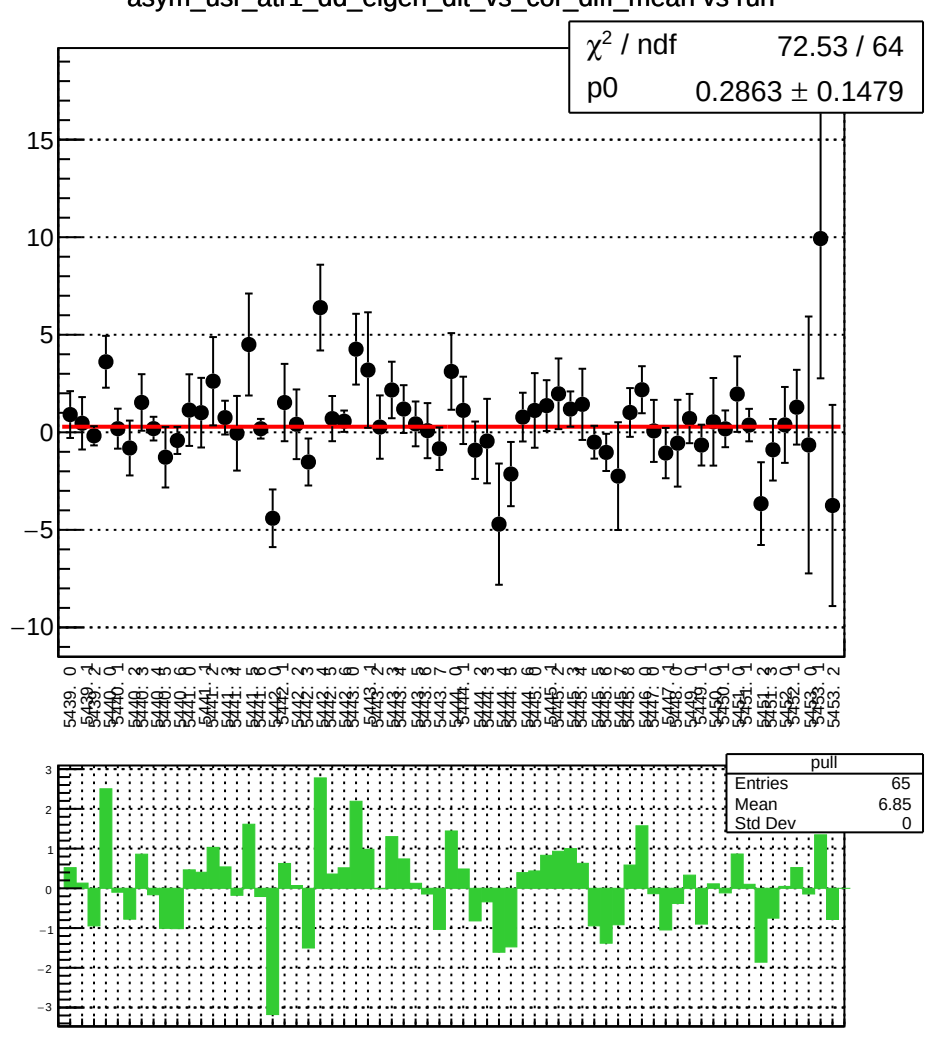

pull1D
Entries 65
Mean 0.08527
Std Dev 1.053

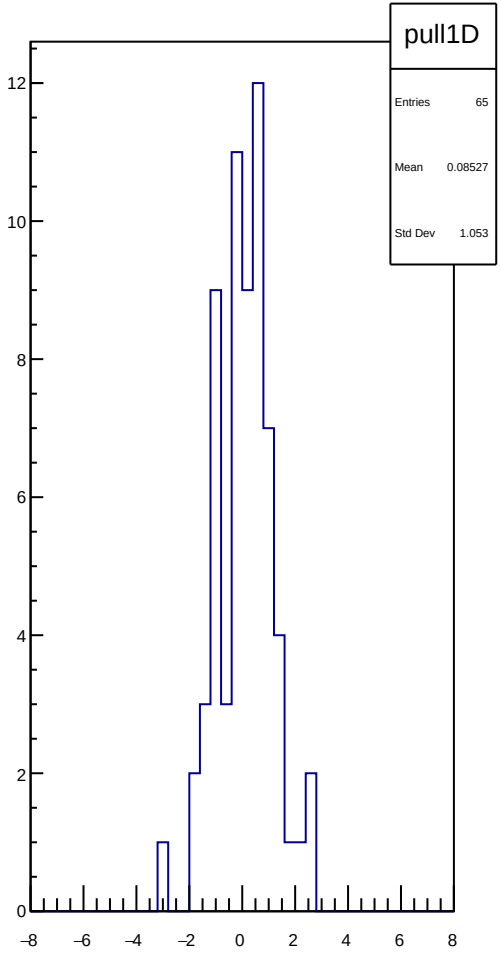

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 108.5 ± 0.1046
700
600
500
400
300
200
100

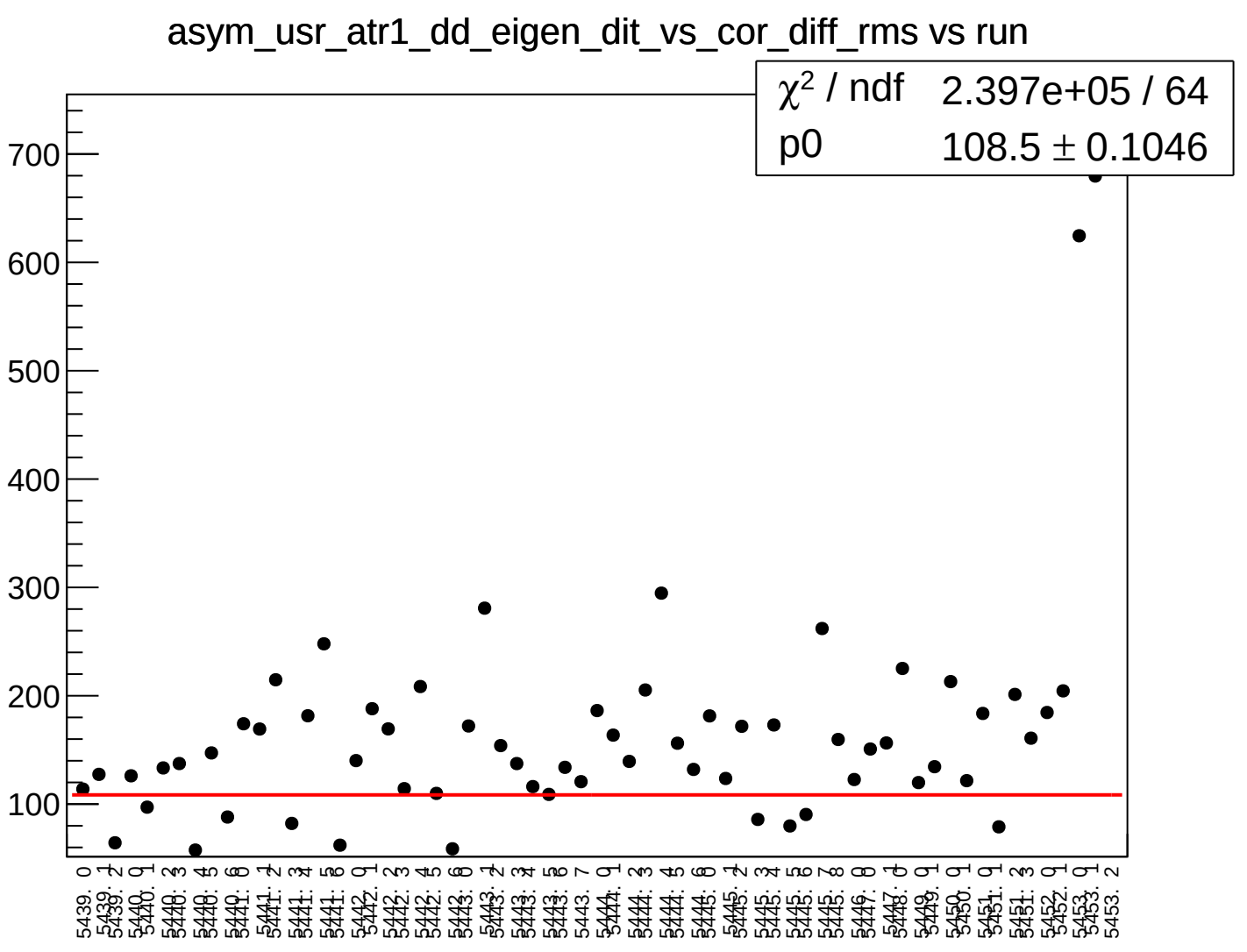

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.2 / 64
p0 −3.237e−06 ± 2.16e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 65
Mean 11.39
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

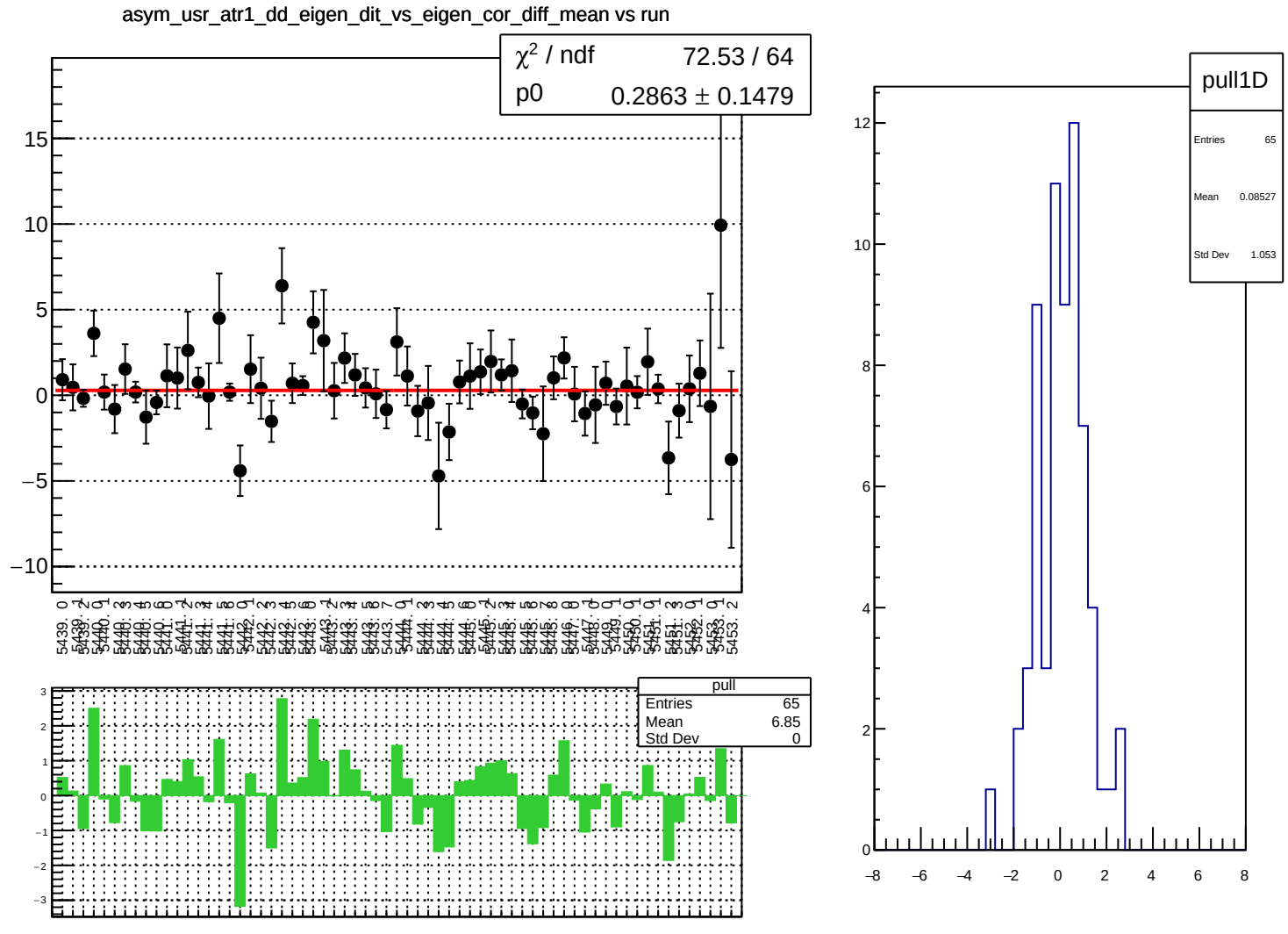

pull1D
Entries 65
Mean −0.001317
Std Dev 0.9462
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

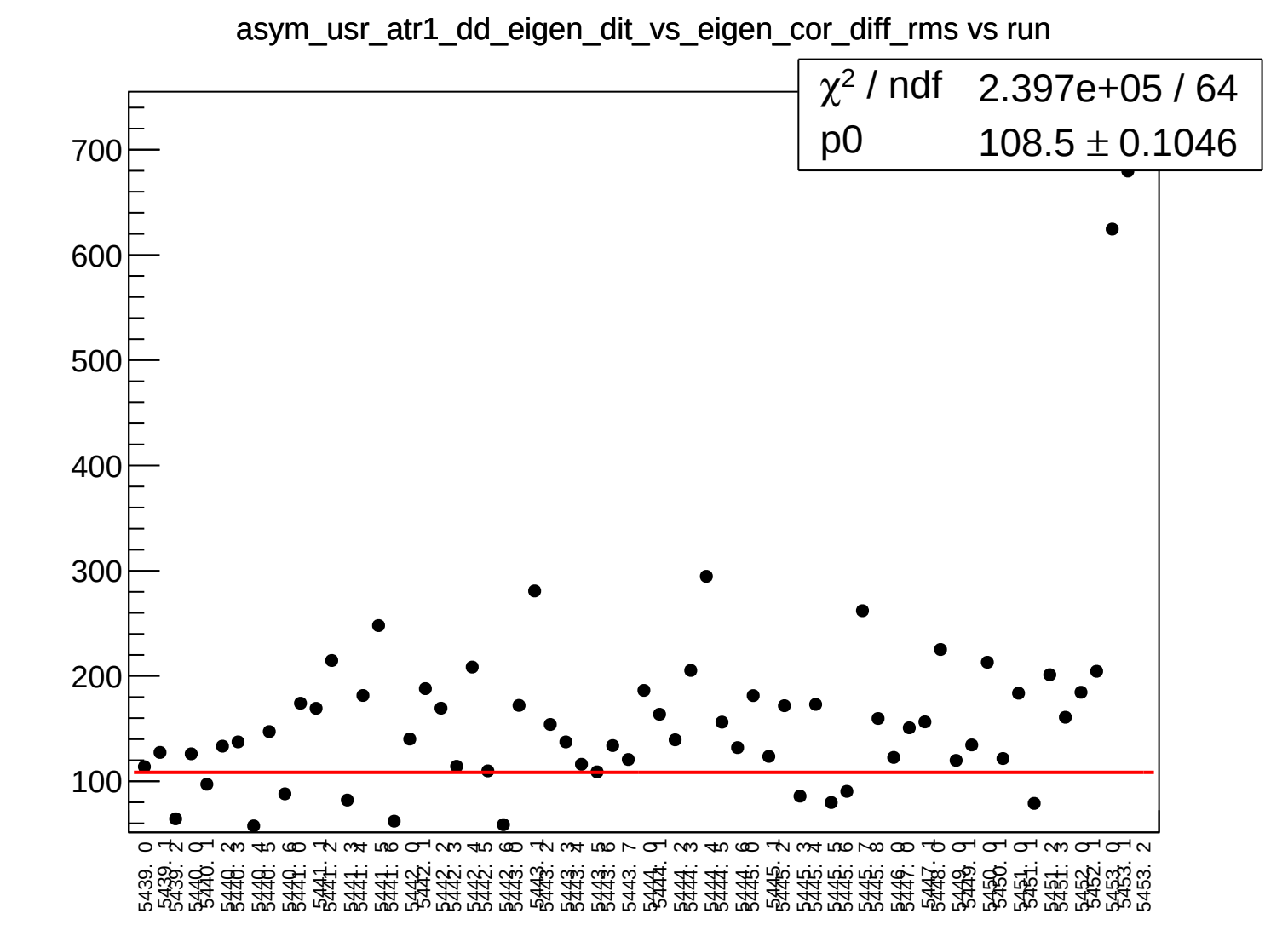

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3970 / 64
p0 0.001749 ± 1.527e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

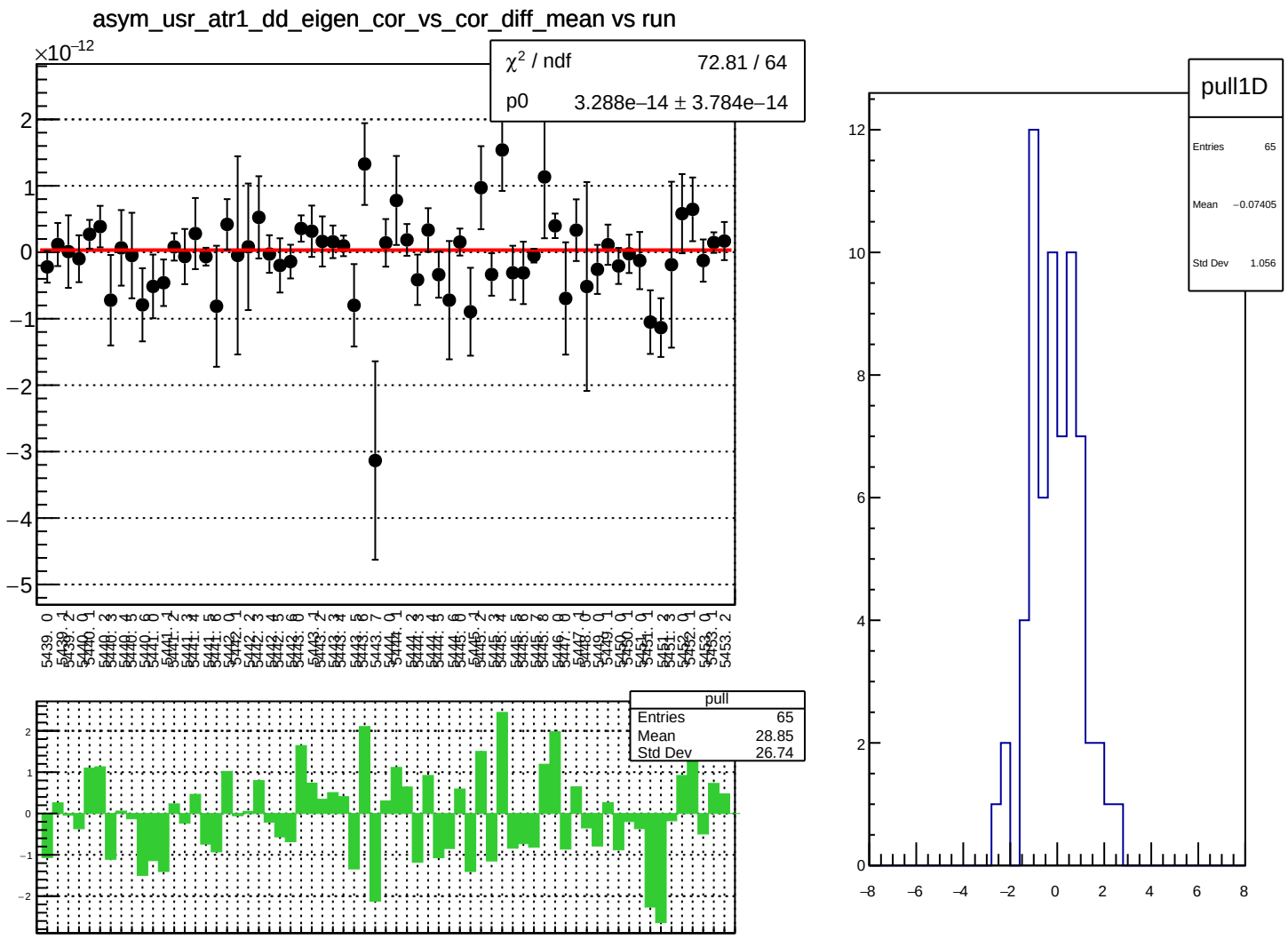

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.53 / 64
p0 0.2863 ± 0.1479
pull
Entries 65
Mean 6.85
Std Dev 0

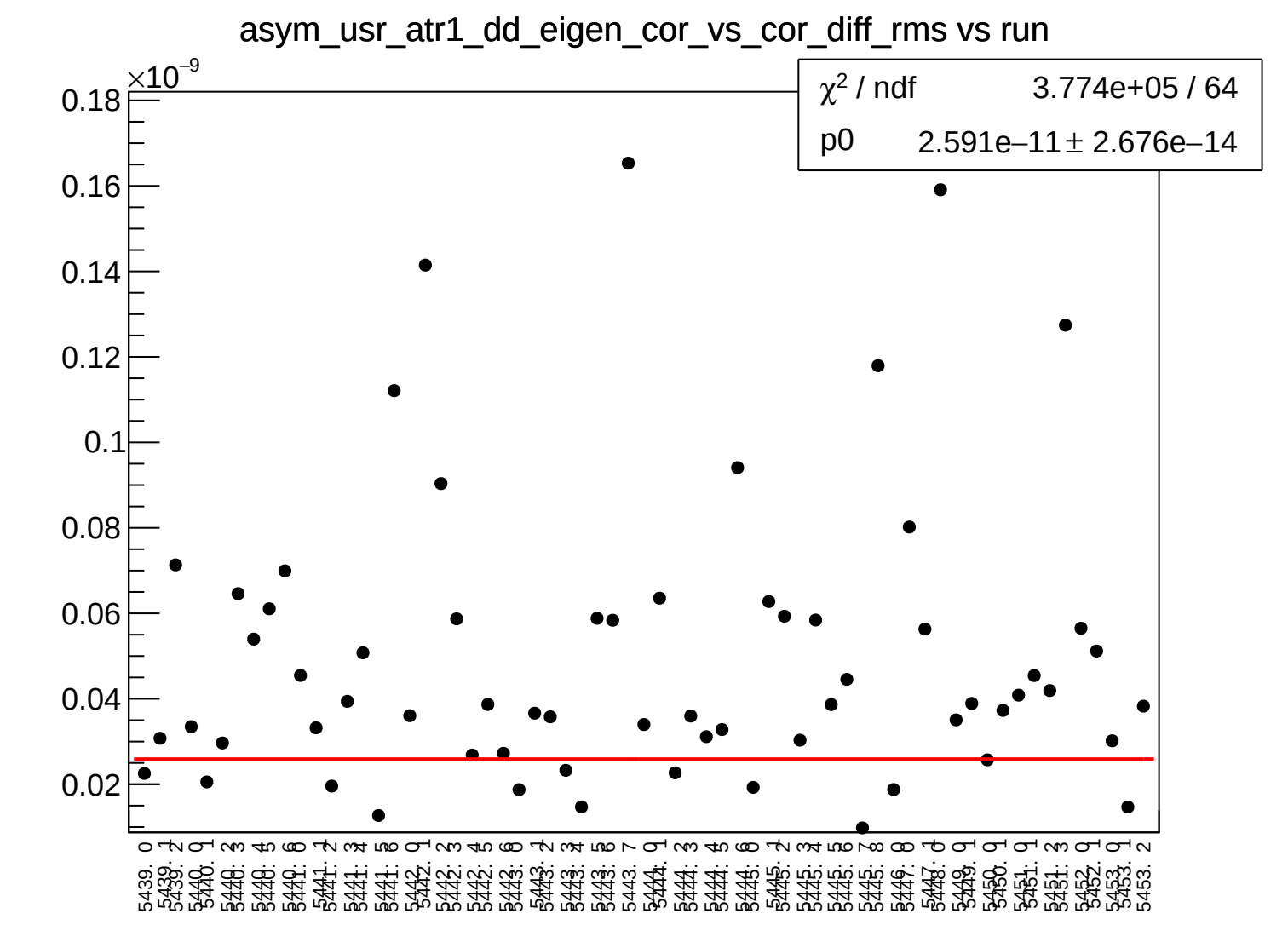

pull1D
Entries 65
Mean 0.08527
Std Dev 1.053

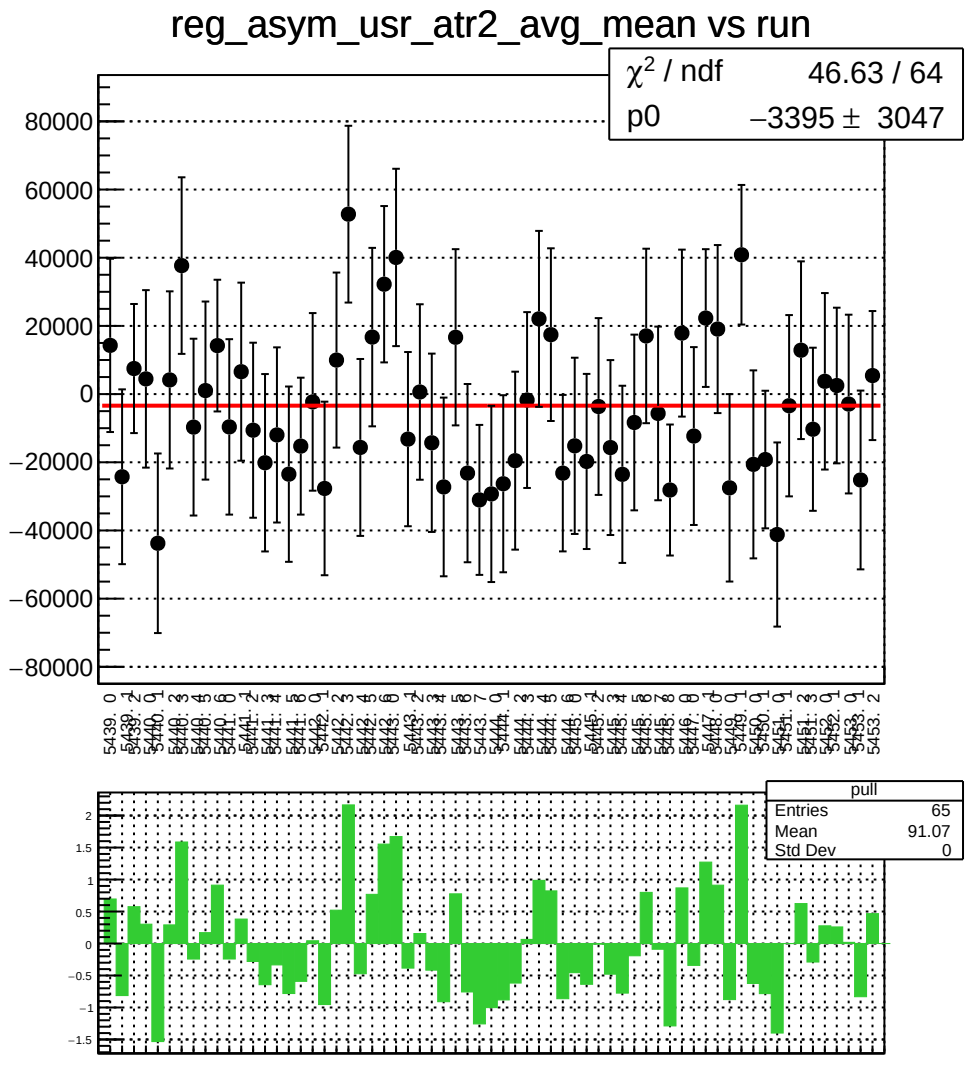

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 108.5 ± 0.1046
700
600
500
400
300
200
100

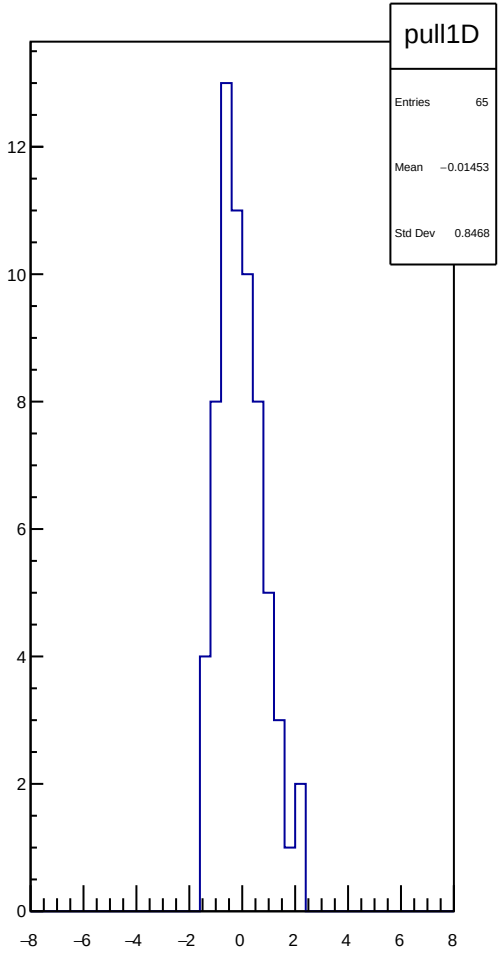

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.53 / 64
p0 0.2863 ± 0.1479
pull
Entries 65
Mean 6.85
Std Dev 0
pull1D
Entries 65
Mean 0.08527
Std Dev 1.053

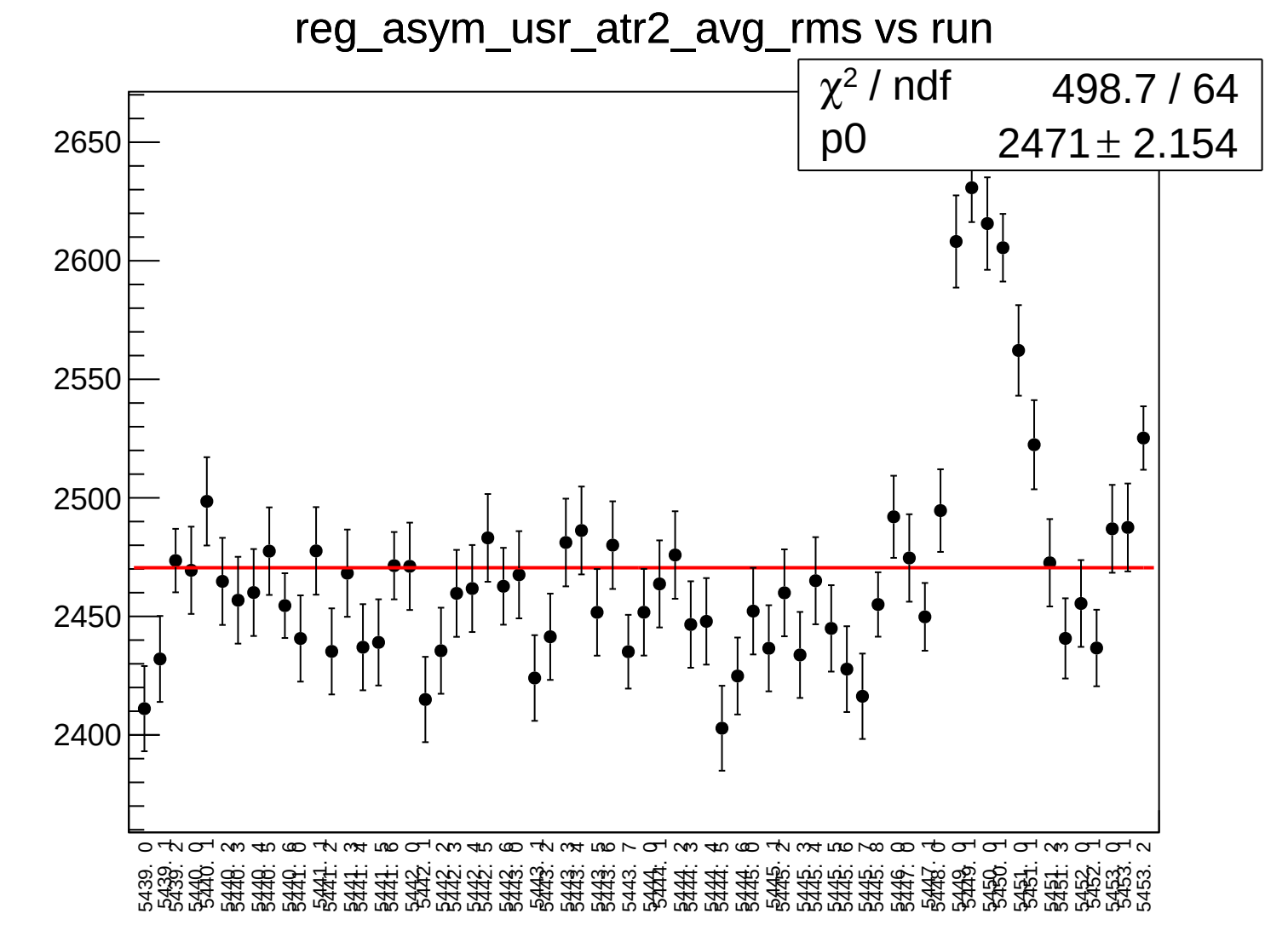

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 108.5 ± 0.1046
700
600
500
400
300
200
100

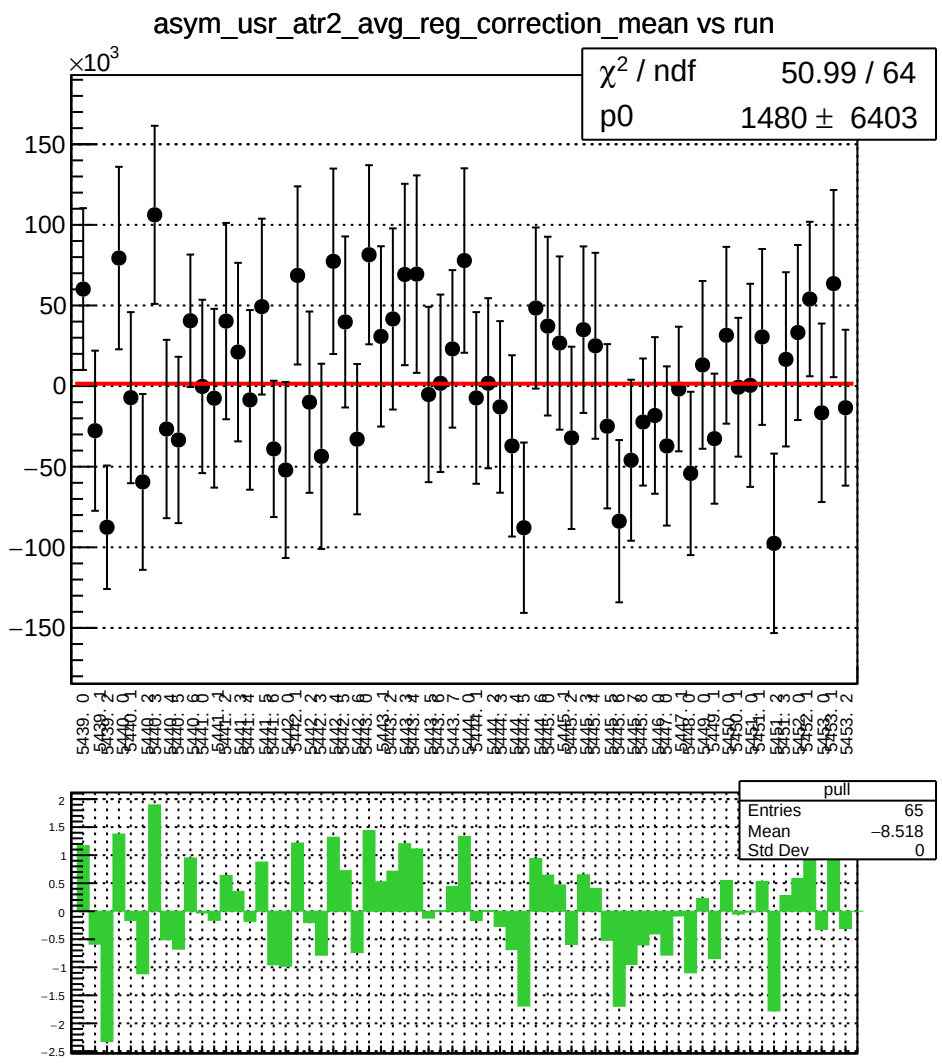

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.81 / 64
p0 3.288e−14 ± 3.784e−14
pull
Entries 65
Mean 28.85
Std Dev 26.74
pull1D
Entries 65
Mean −0.07405
Std Dev 1.056

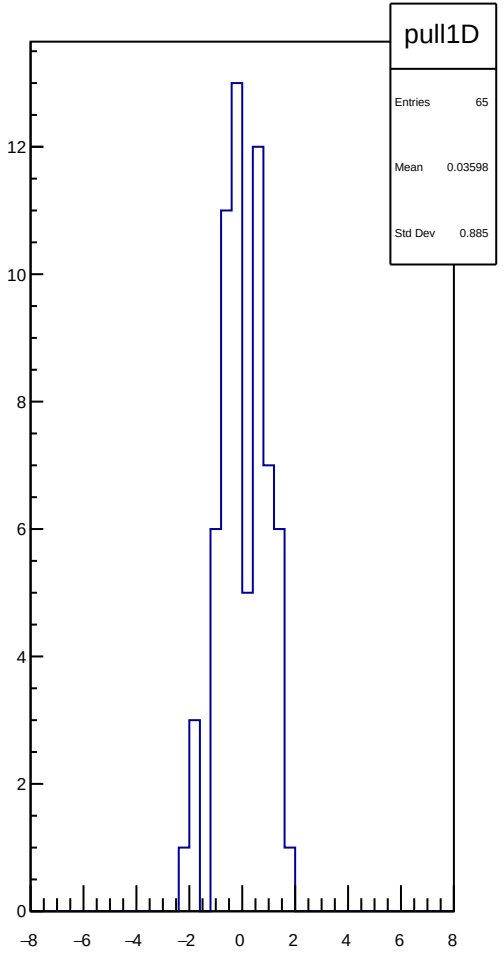

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.774e+05 / 64
p0 2.591e−11 ± 2.676e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

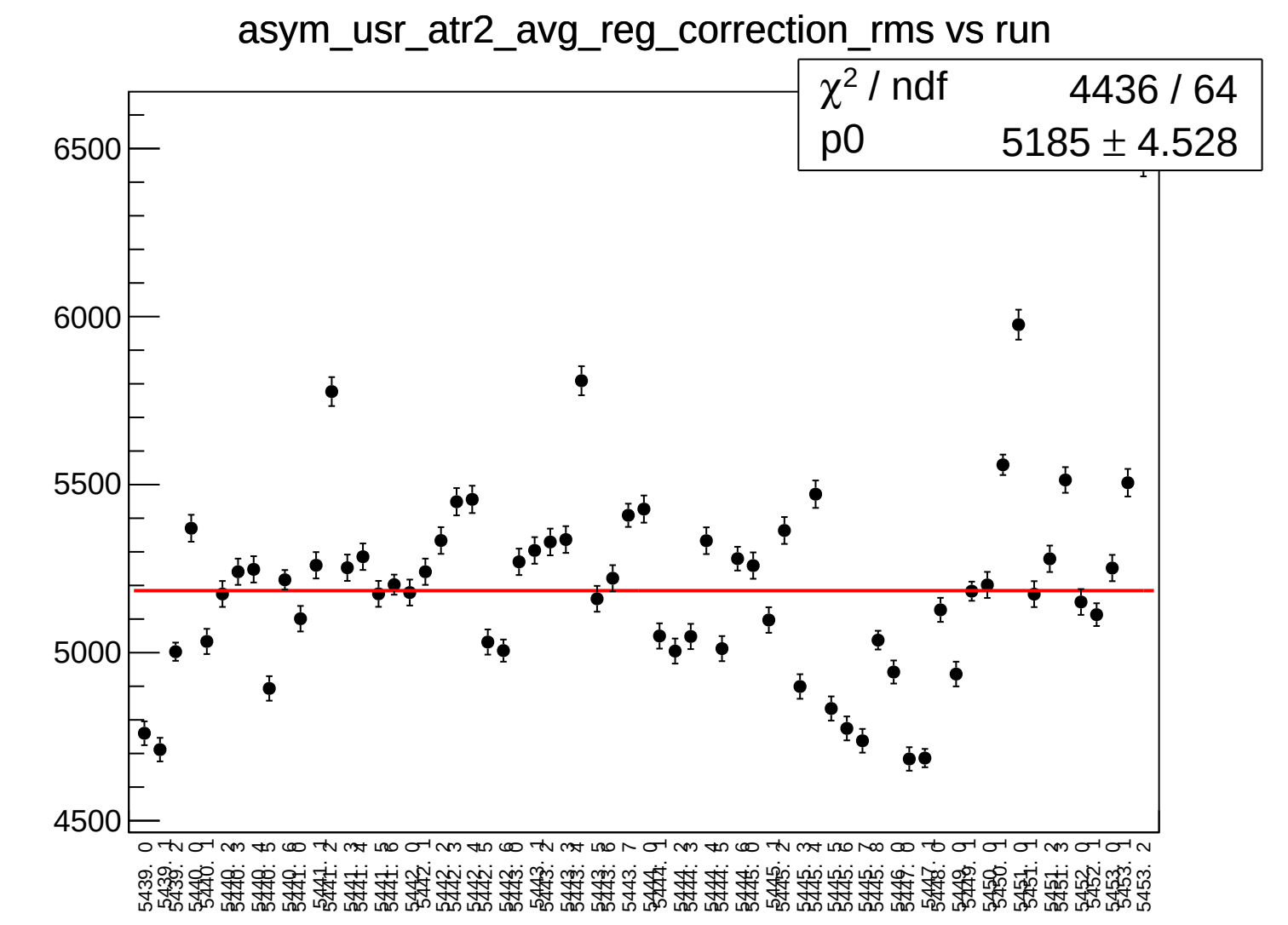

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 46.63 / 64
p0 −3395 ± 3047
pull
Entries 65
Mean 91.07
Std Dev 0

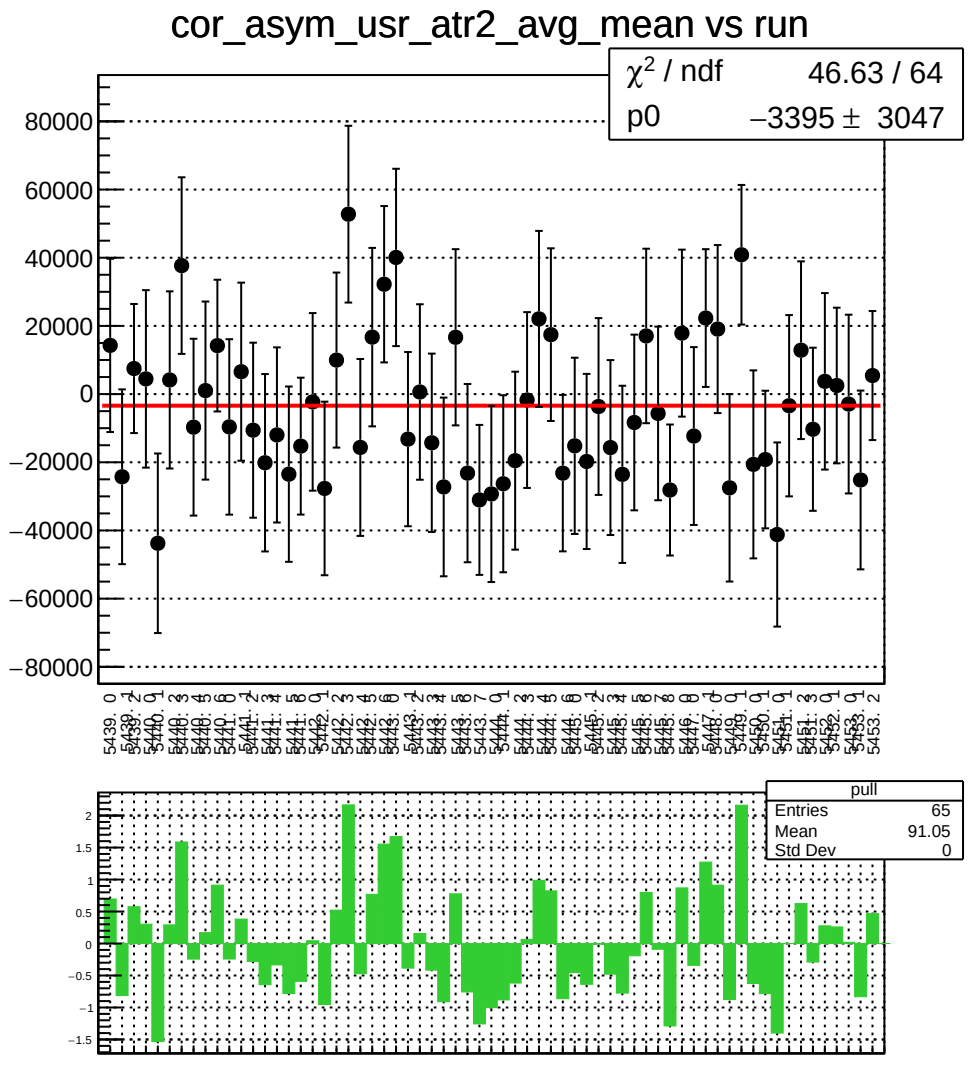

pull1D
Entries 65
Mean −0.01453
Std Dev 0.8468

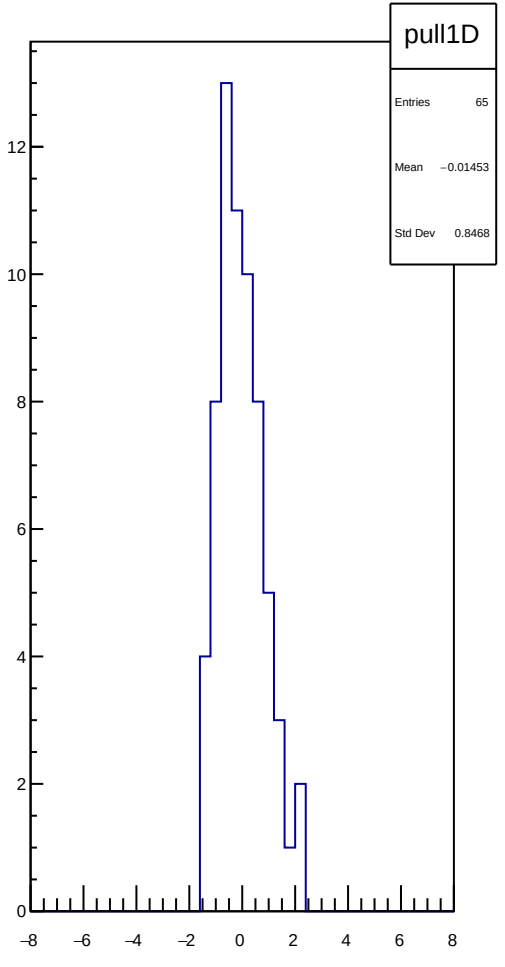

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 498.7 / 64
p0 2471 ± 2.154
2650
2600
2550
2500
2450
2400

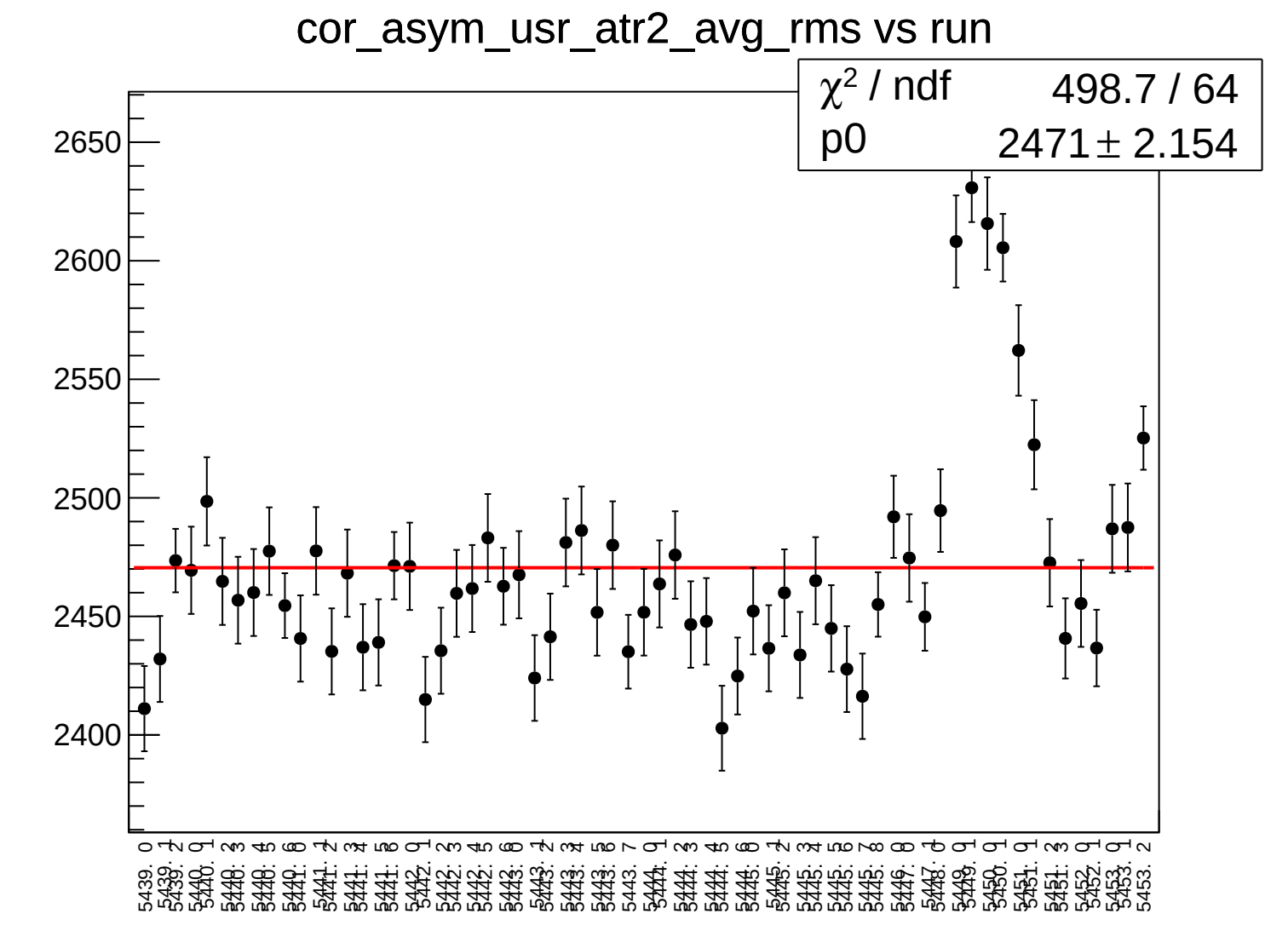

asym_usr_atr2_avg_reg_correction_mean vs run
χ² / ndf 50.99 / 64
p0 1480 ± 6403
×10³
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −8.518
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

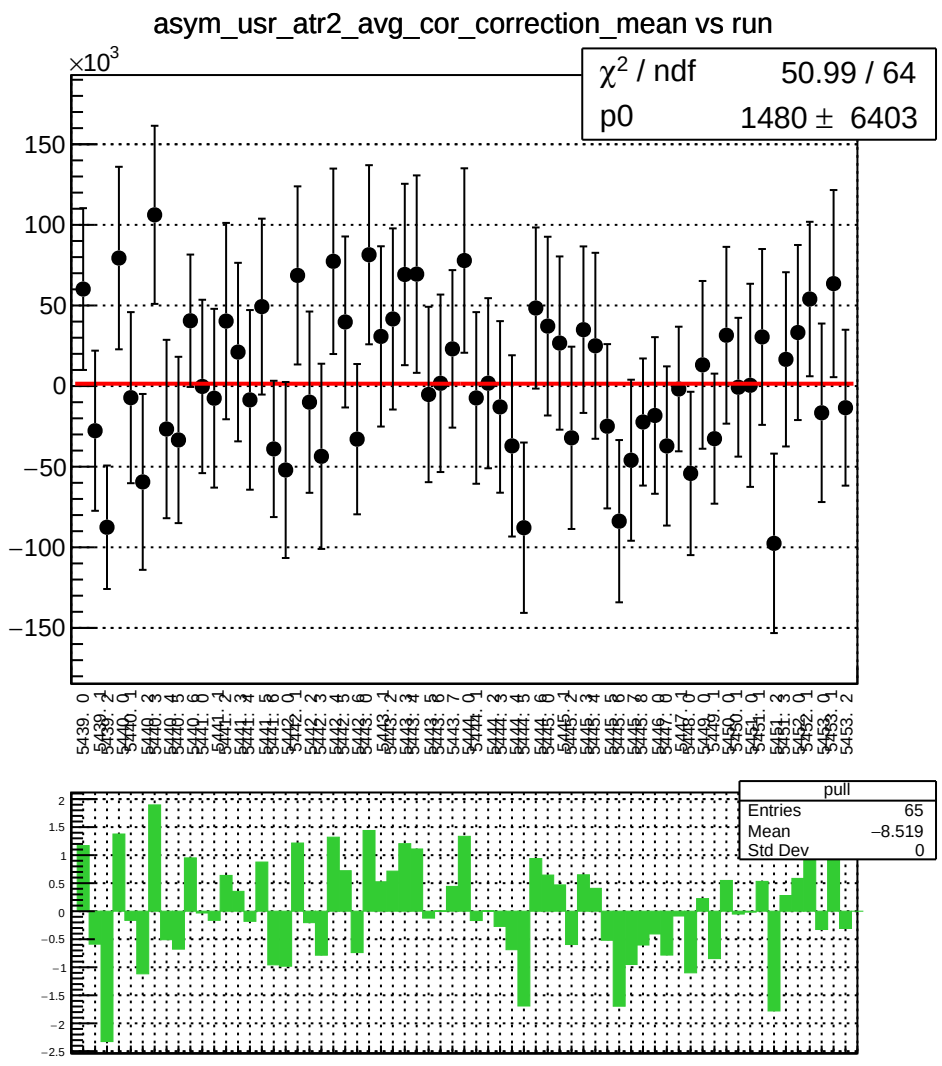

pull1D
Entries 65
Mean 0.03598
Std Dev 0.885
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

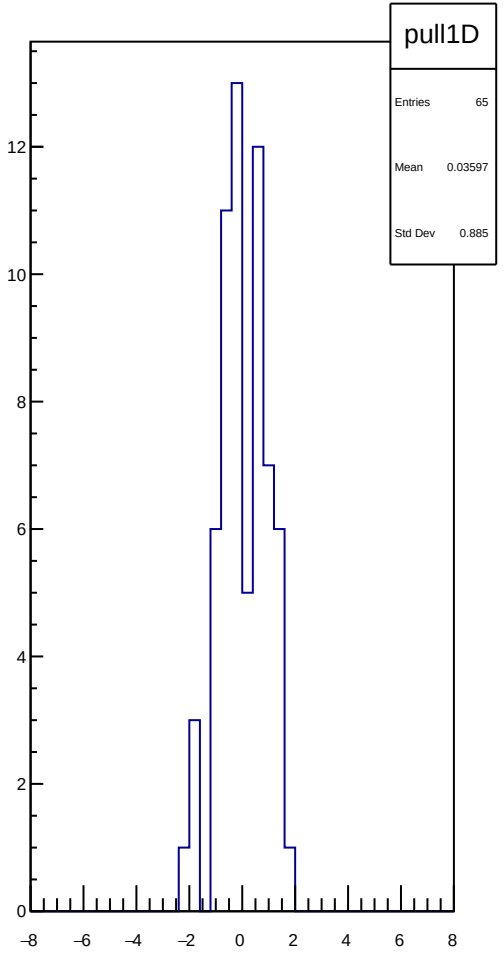

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 4436 / 64
p0 5185 ± 4.528
6500
6000
5500
5000
4500

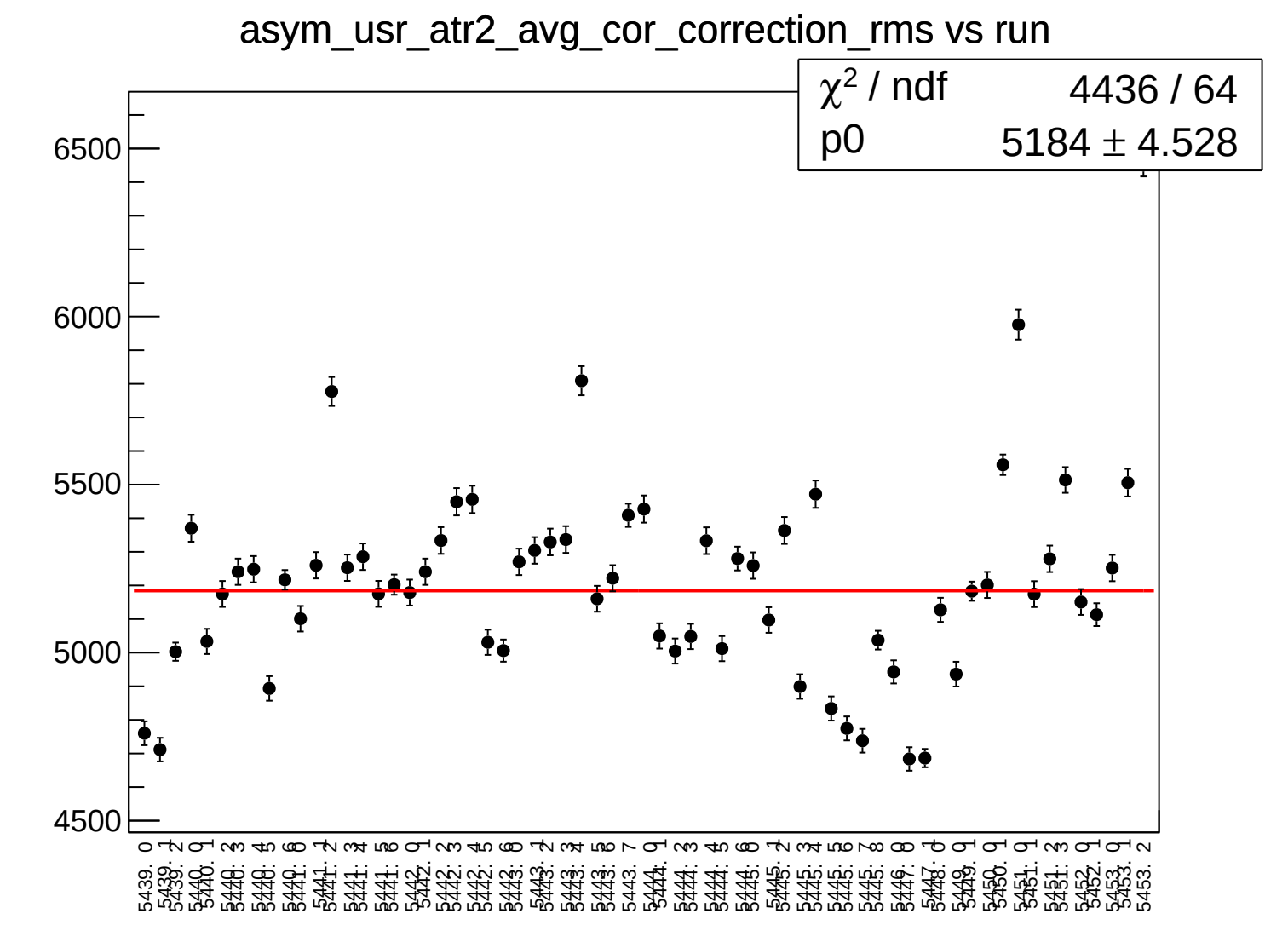

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 46.63 / 64
p0 −3395 ± 3047
pull
Entries 65
Mean 91.05
Std Dev 0

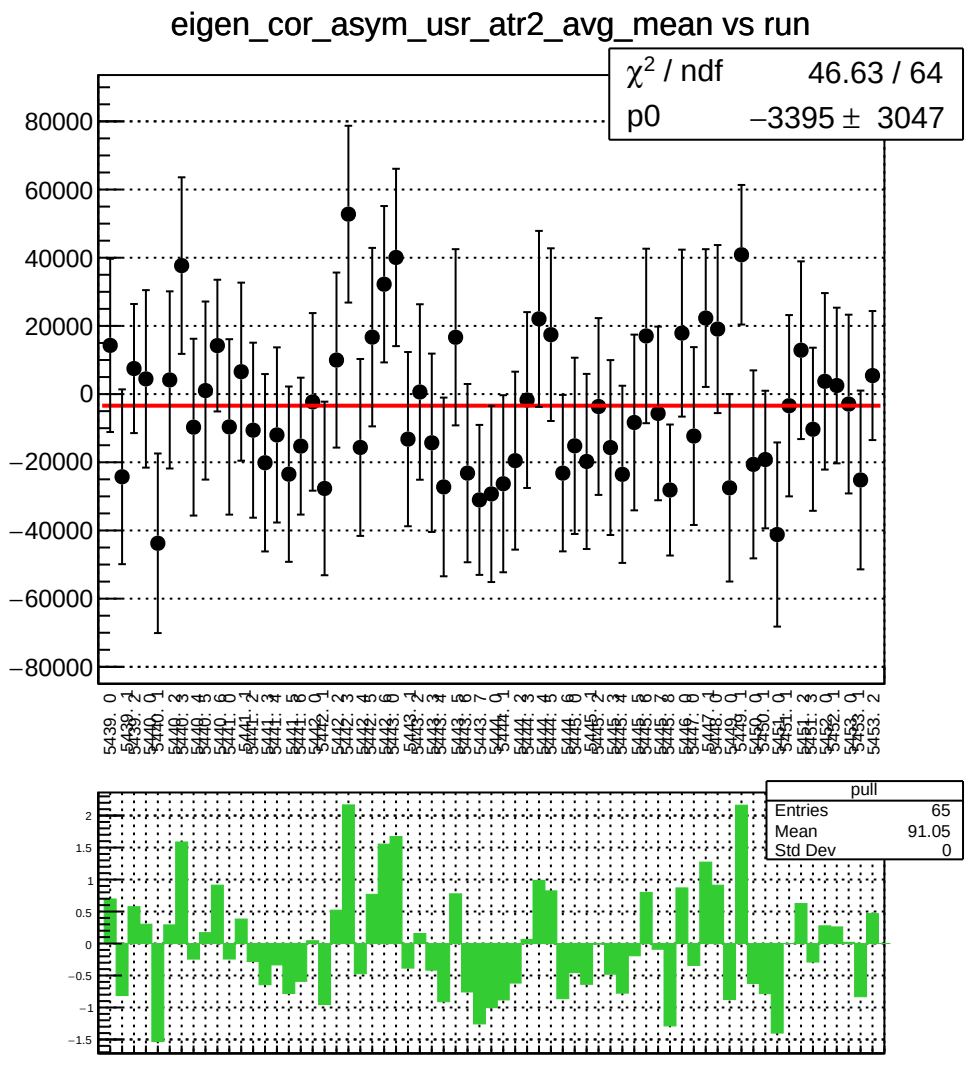

pull1D
Entries 65
Mean −0.01453
Std Dev 0.8468

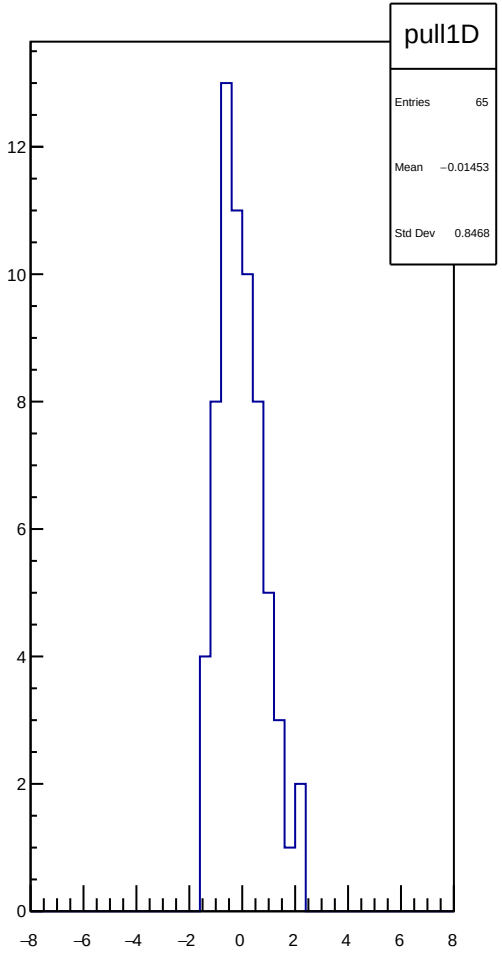

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 498.7 / 64
p0 2471 ± 2.154
2650
2600
2550
2500
2450
2400

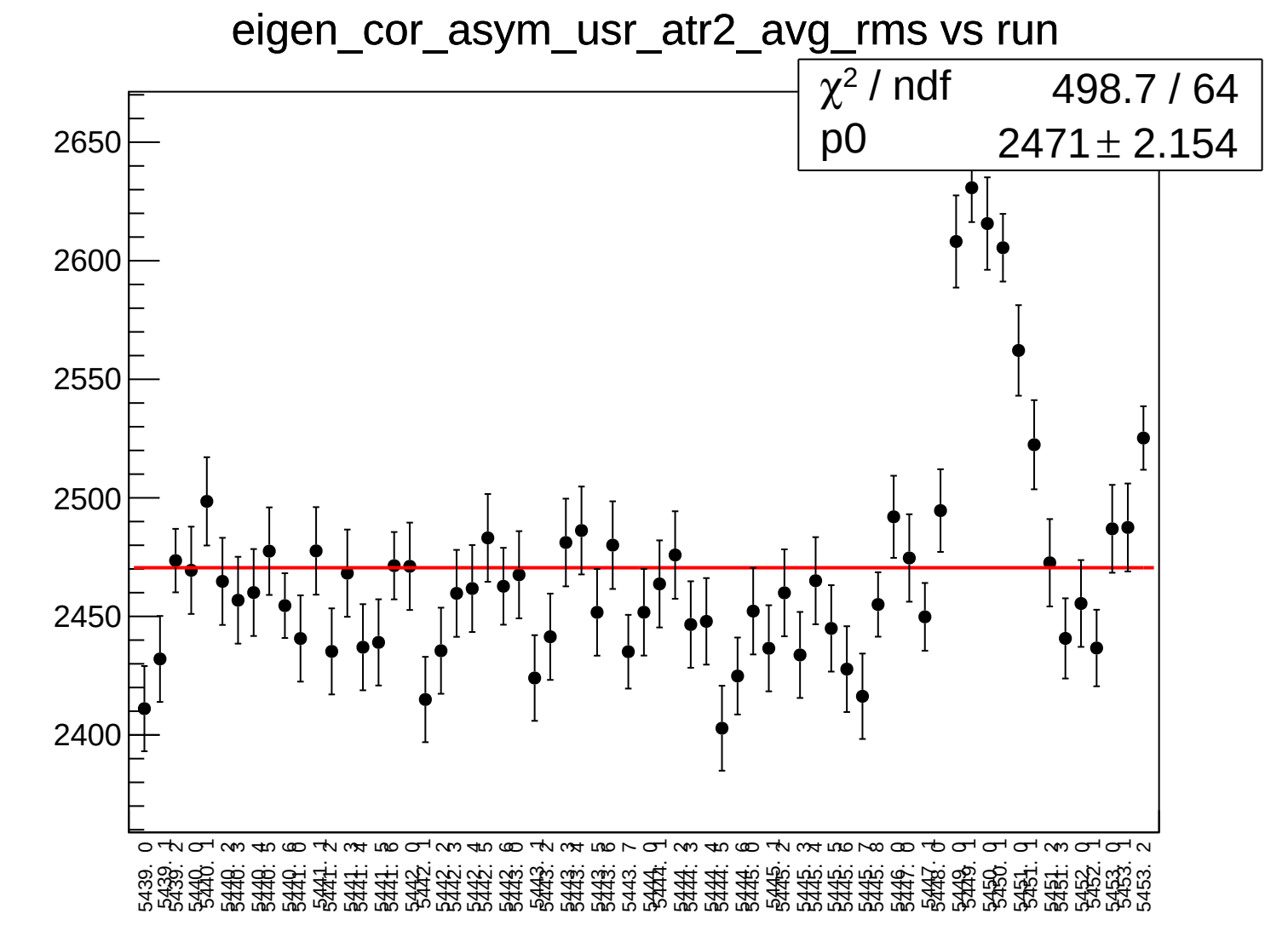

asym_usr_atr2_avg_cor_correction_mean vs run
χ² / ndf 50.99 / 64
p0 1480 ± 6403
×10³
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −8.519
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

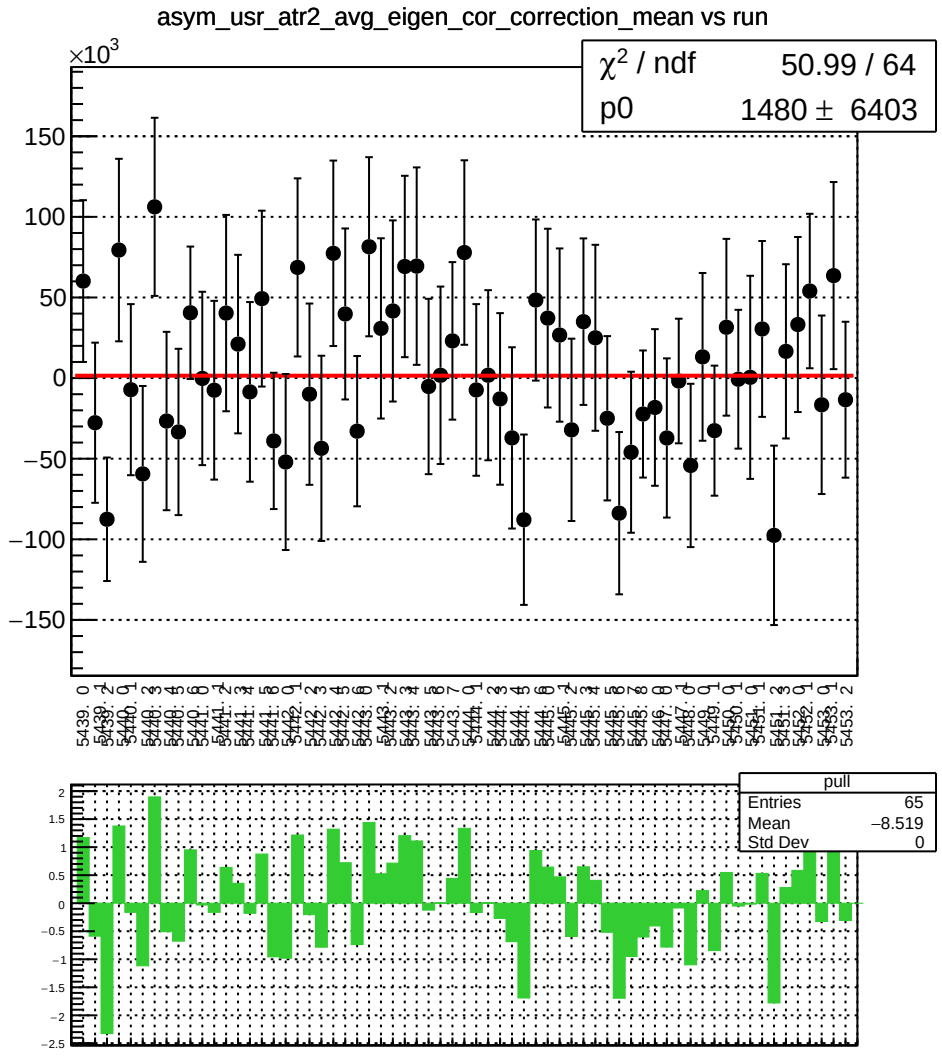

pull1D
Entries 65
Mean 0.03597
Std Dev 0.885
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

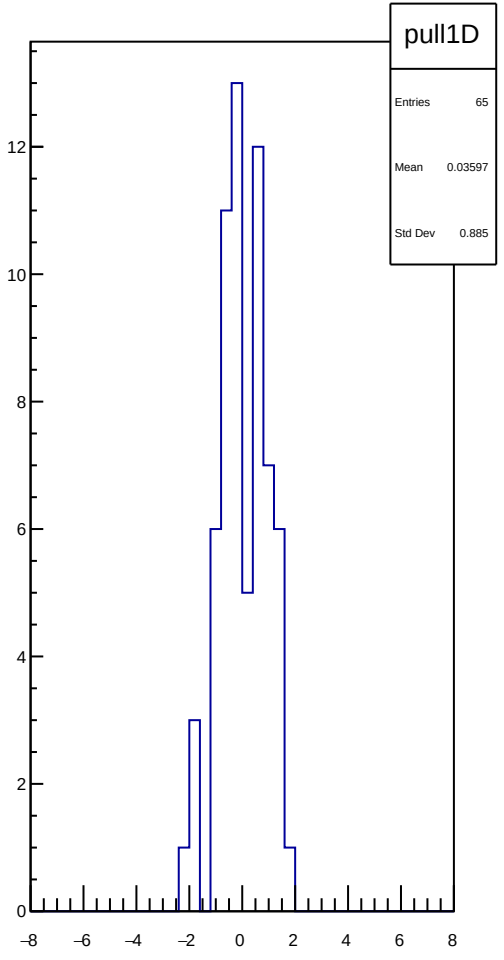

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 4436 / 64
p0 5184 ± 4.528
6500
6000
5500
5000
4500

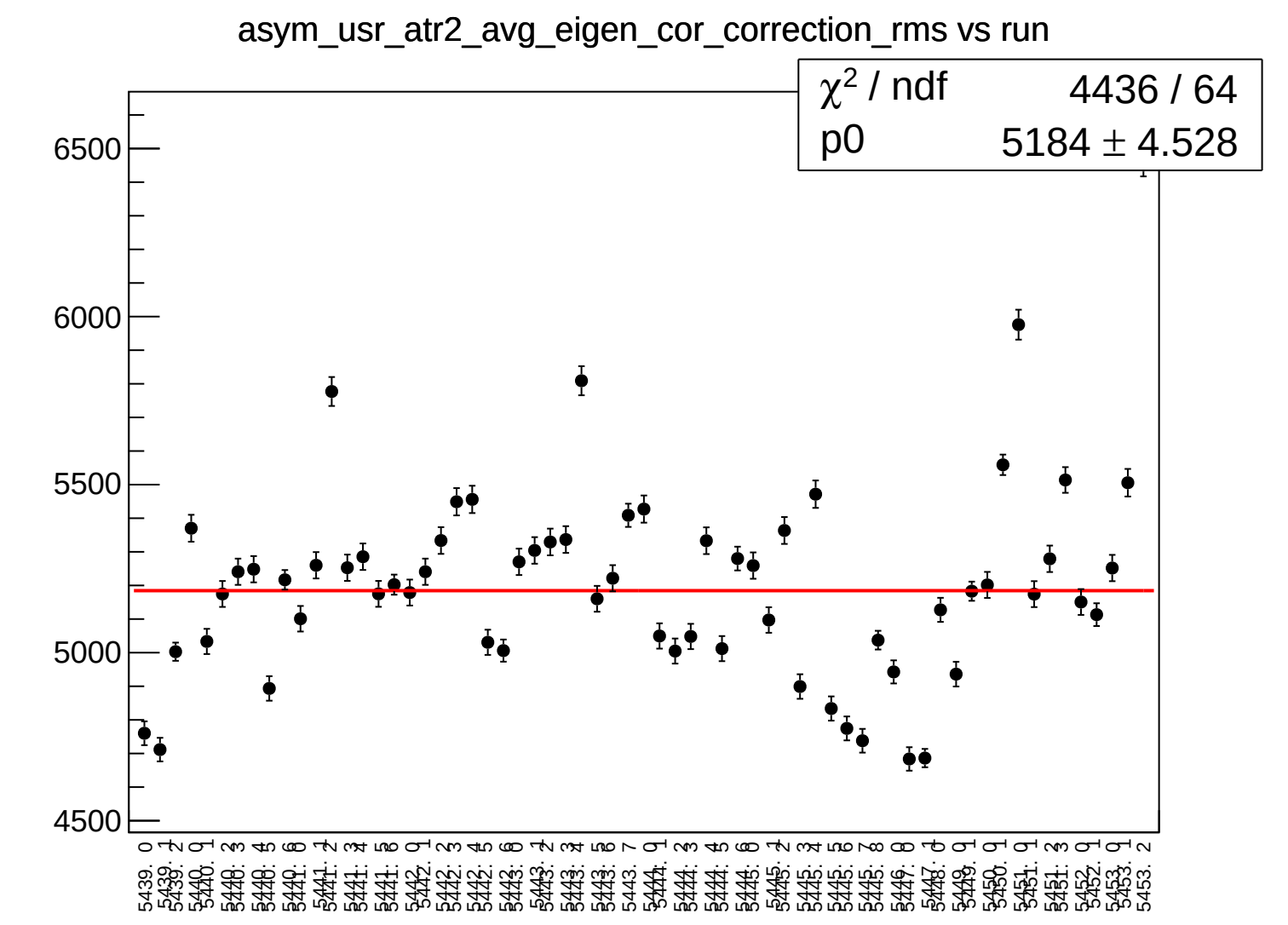

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 46.63 / 64
p0 −3395 ± 3047
pull
Entries 65
Mean 91.05
Std Dev 0

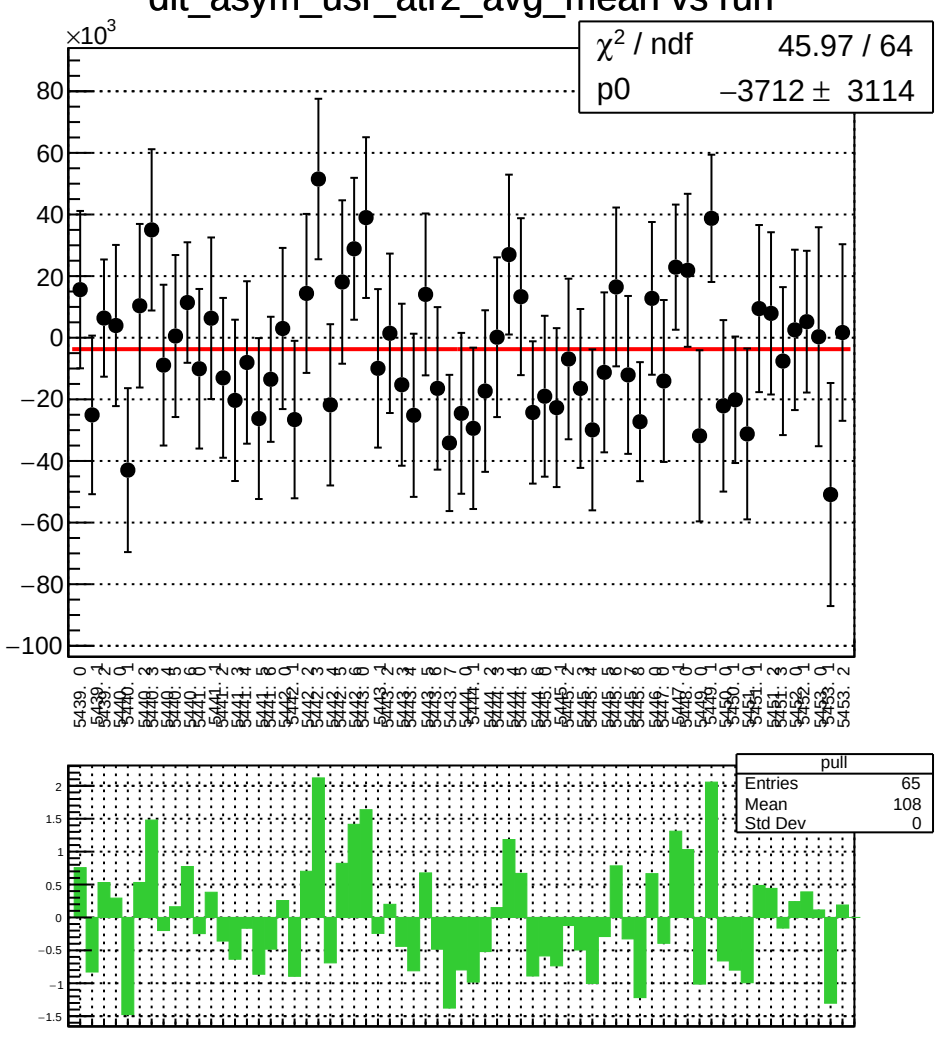

pull1D
Entries 65
Mean −0.01453
Std Dev 0.8468

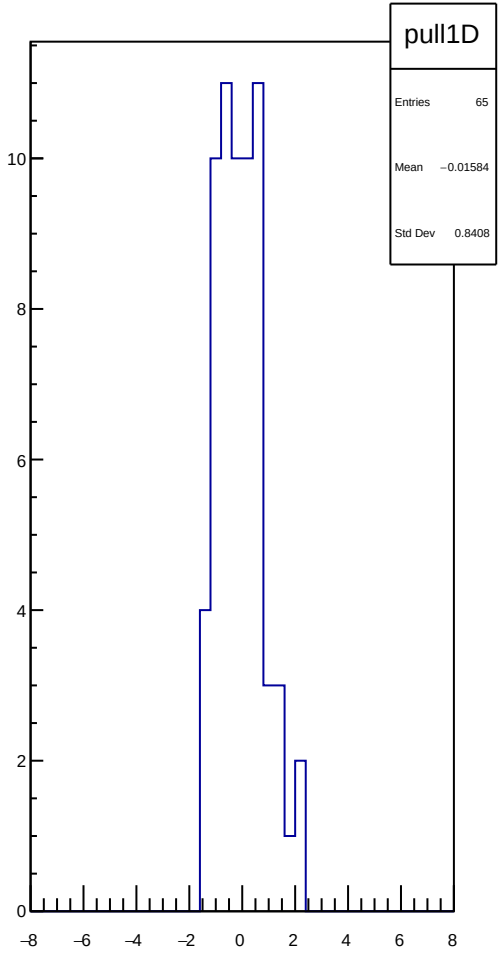

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 498.7 / 64
p0 2471 ± 2.154
2650
2600
2550
2500
2450
2400

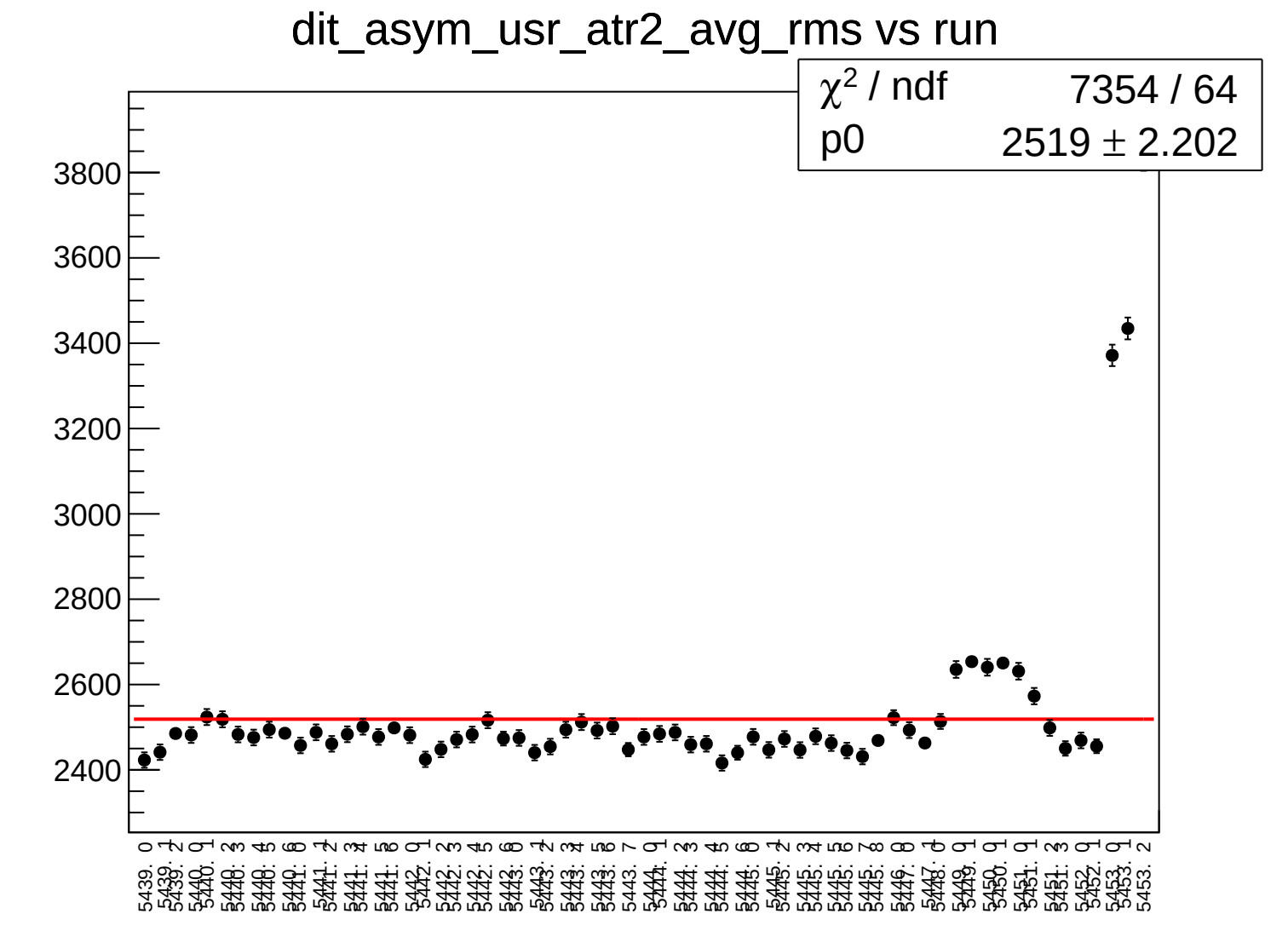

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 50.99 / 64
p0 1480 ± 6403
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −8.519
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

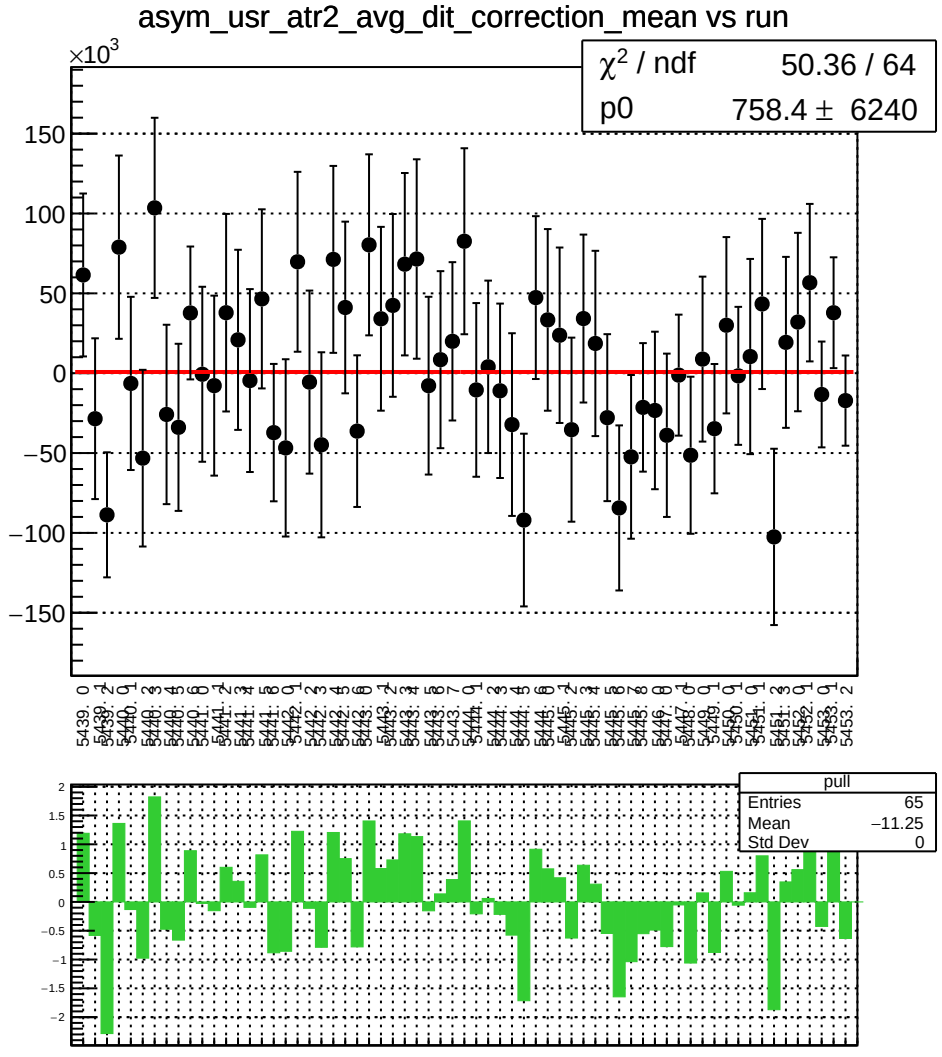

pull1D
Entries 65
Mean 0.03597
Std Dev 0.885
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

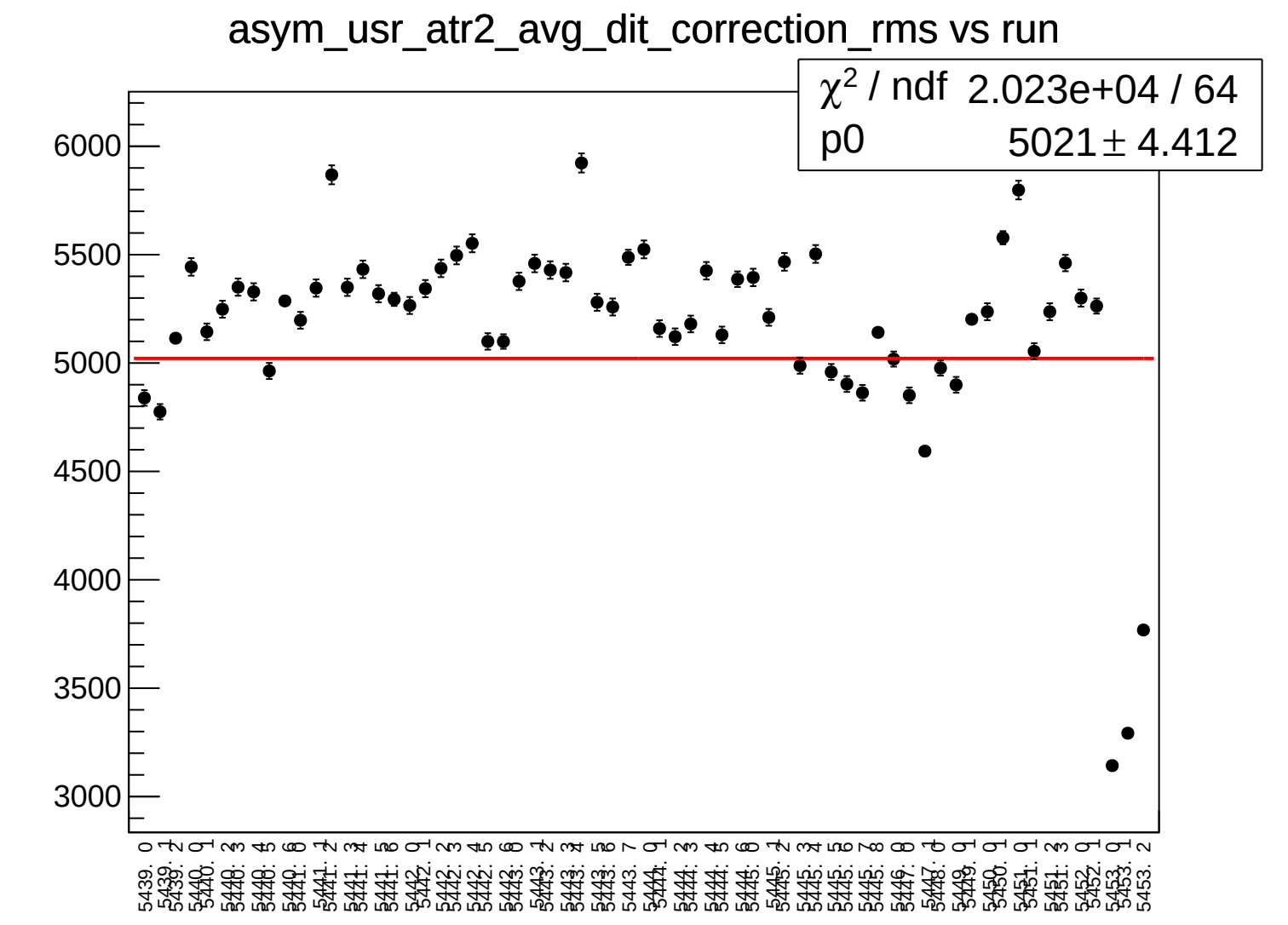

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4436 / 64
p0 5184 ± 4.528
6500
6000
5500
5000
4500

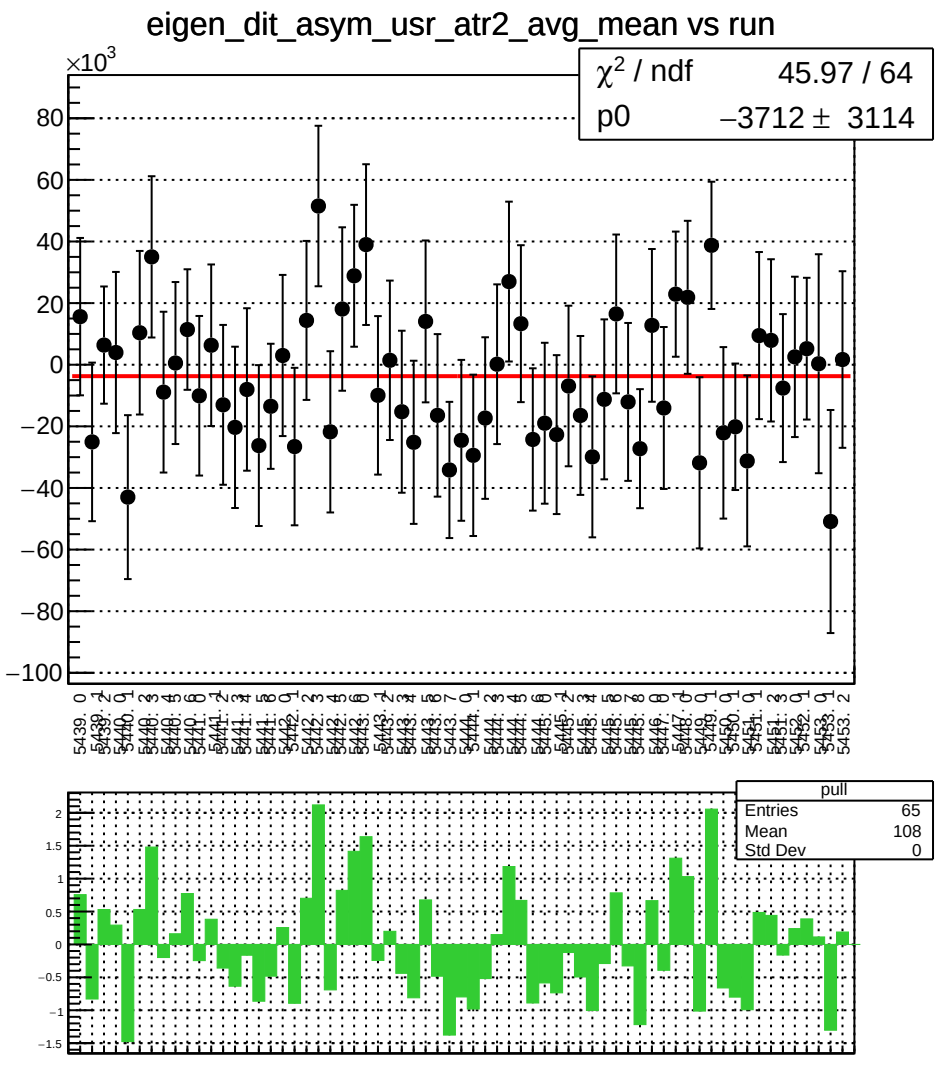

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 45.97 / 64
p0 −3712 ± 3114
pull
Entries 65
Mean 108
Std Dev 0

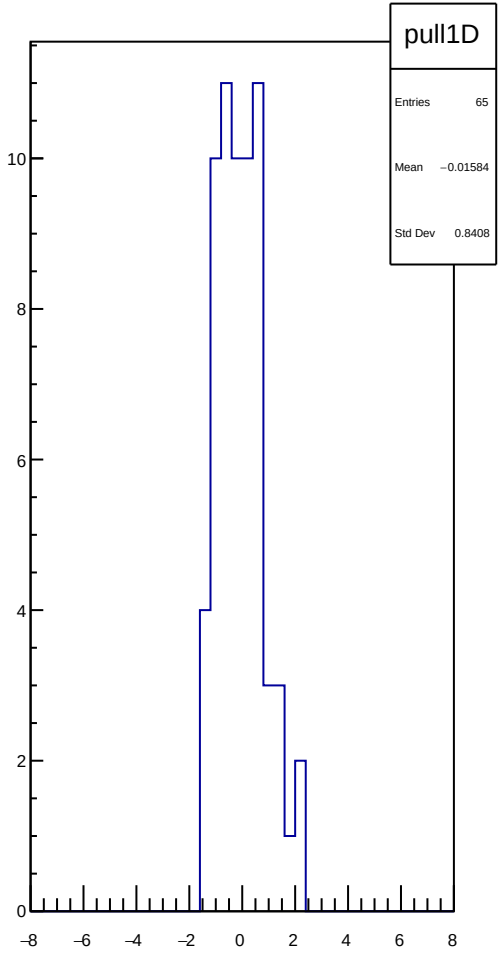

pull1D
Entries 65
Mean −0.01584
Std Dev 0.8408

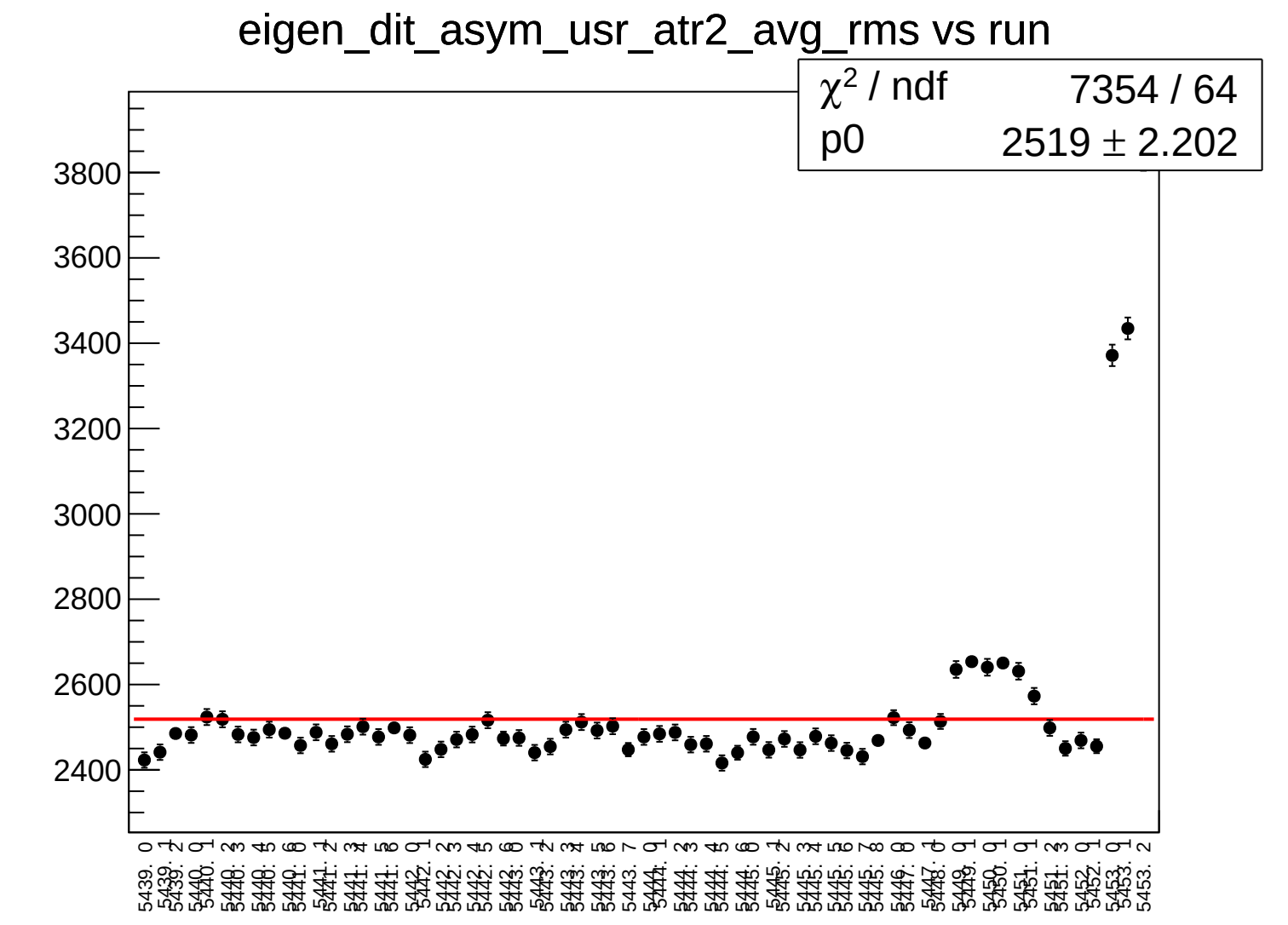

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 7354 / 64
p0 2519 ± 2.202
3800
3600
3400
3200
3000
2800
2600
2400

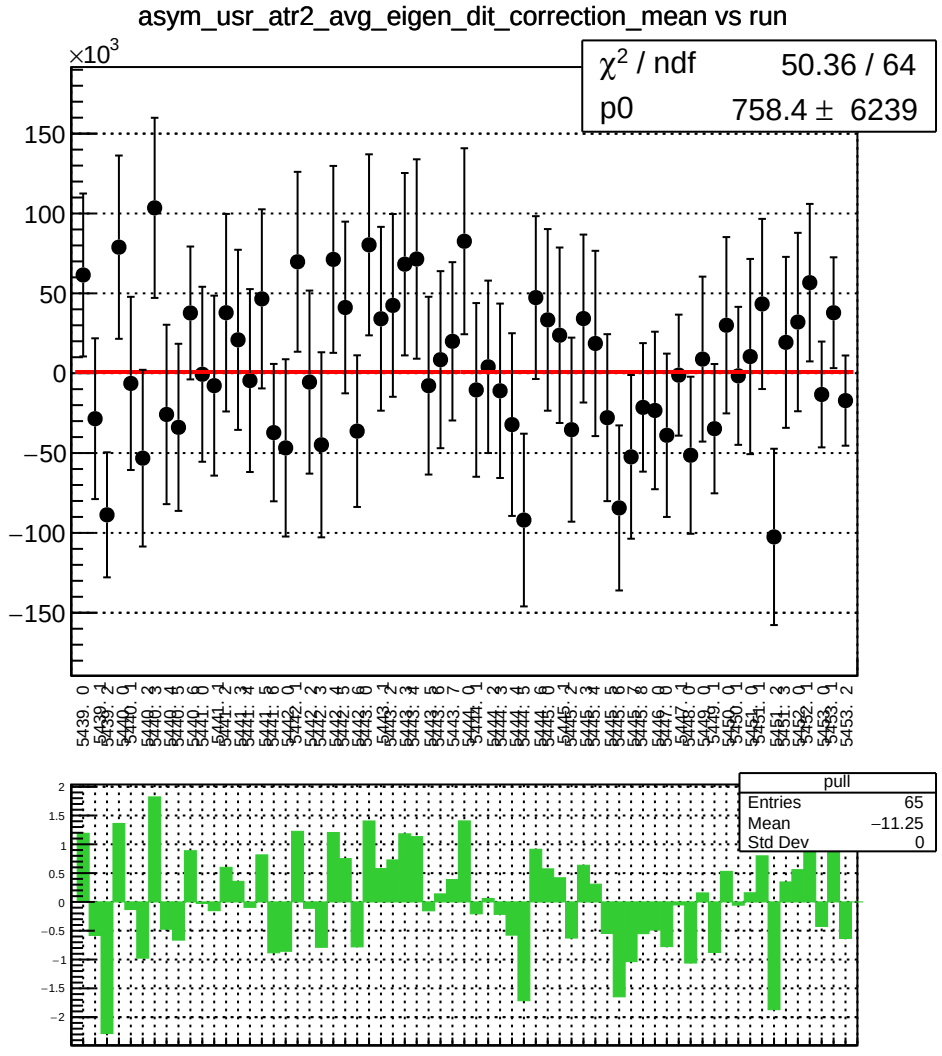

asym_usr_atr2_avg_dit_correction_mean vs run
χ² / ndf 50.36 / 64
p0 758.4 ± 6240
pull
Entries 65
Mean −11.25
Std Dev 0
pull1D
Entries 65
Mean 0.039
Std Dev 0.8793

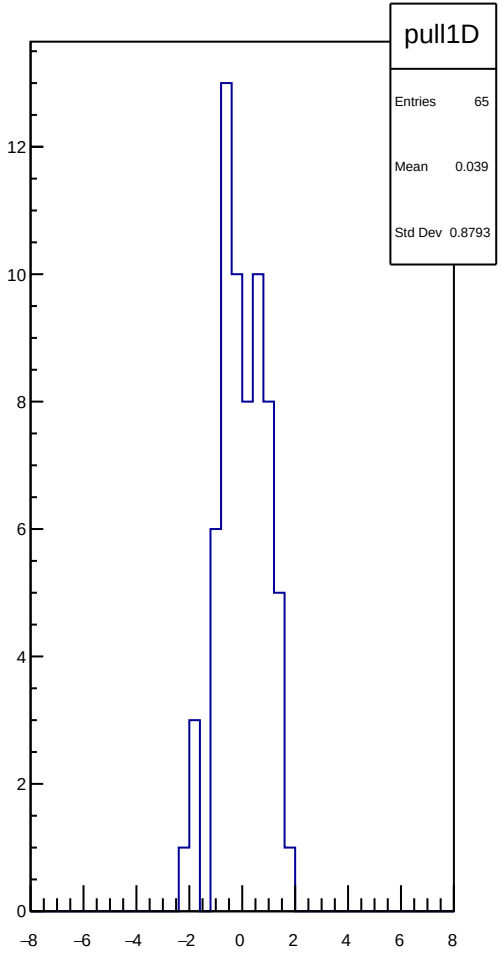

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 2.023e+04 / 64
p0 5021 ± 4.412
6000
5500
5000
4500
4000
3500
3000

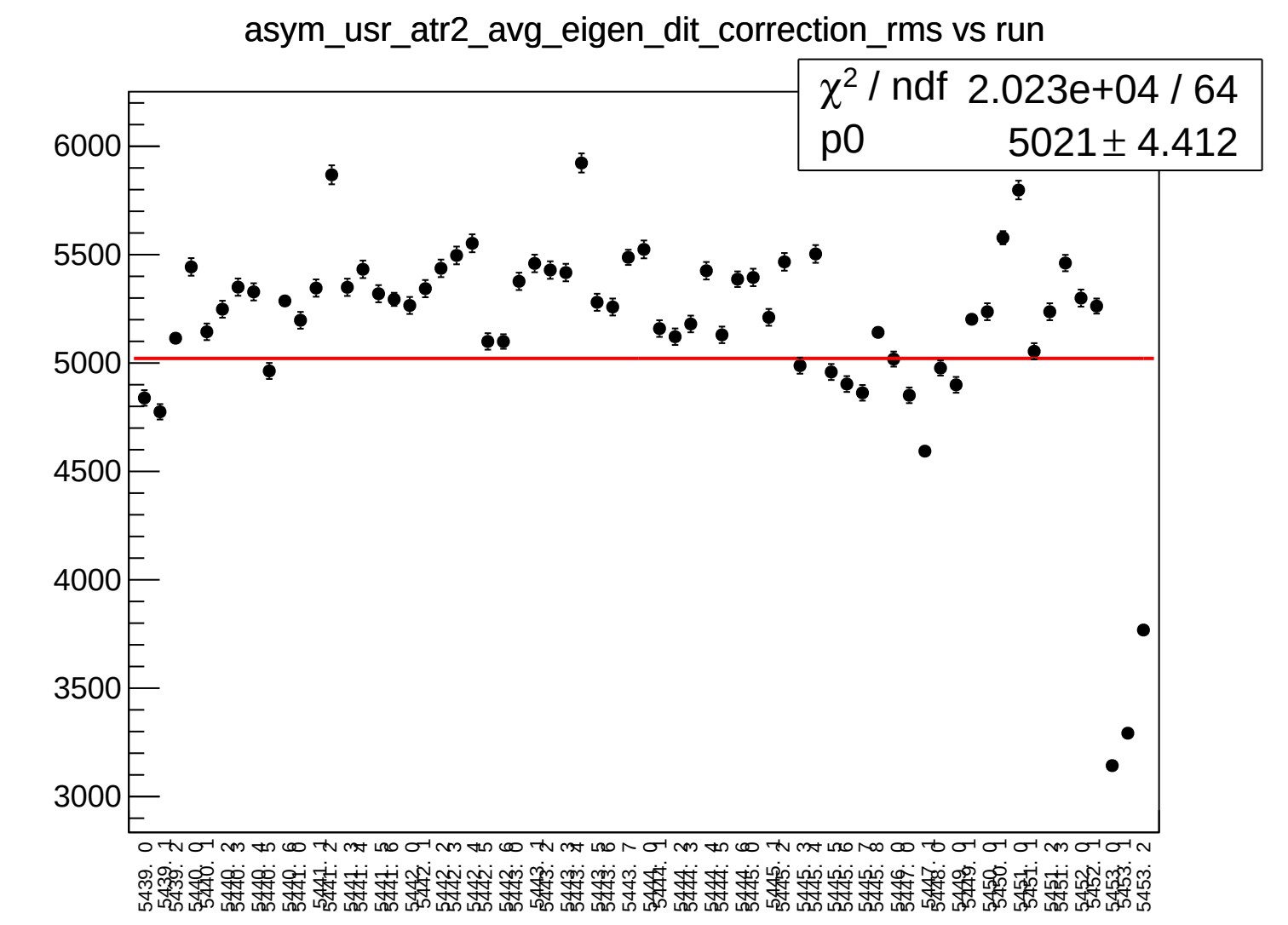

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 45.97 / 64
p0 −3712 ± 3114
pull
Entries 65
Mean 108
Std Dev 0

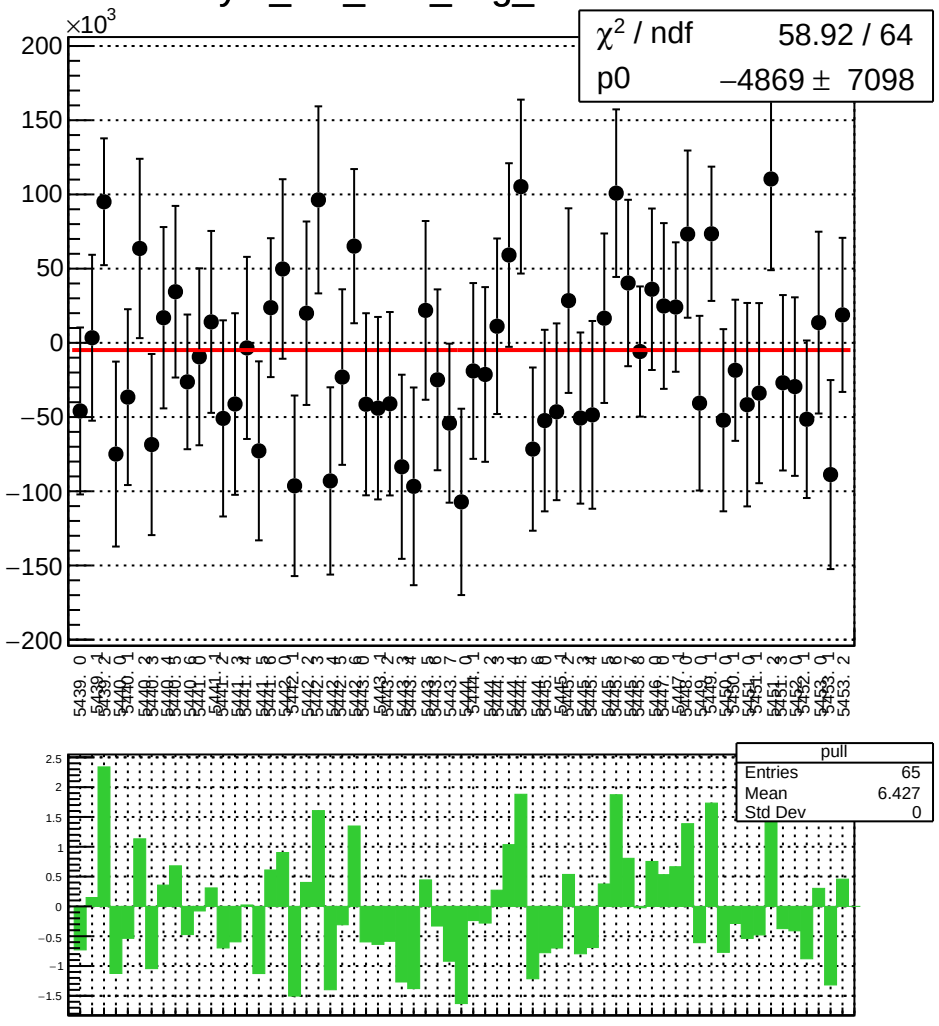

pull1D
Entries 65
Mean −0.01584
Std Dev 0.8408

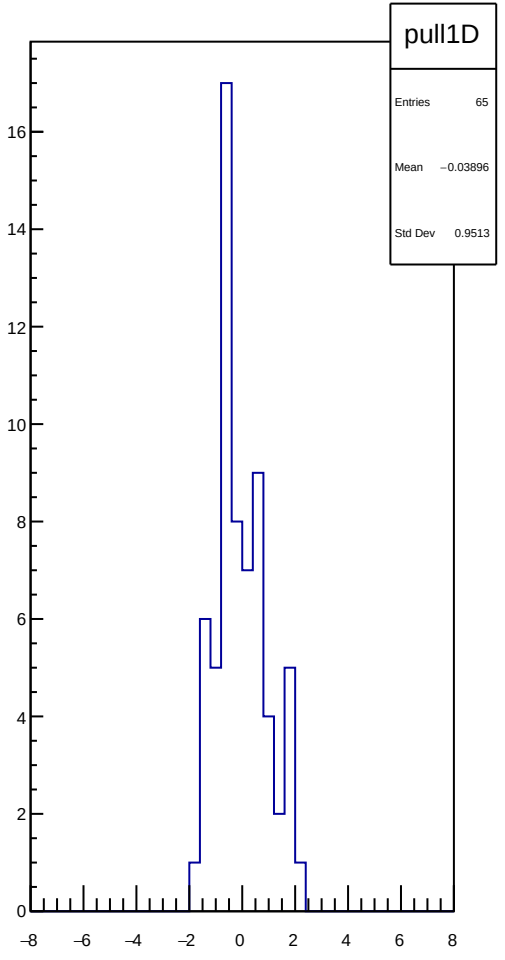

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 7354 / 64
p0 2519 ± 2.202
3800
3600
3400
3200
3000
2800
2600
2400

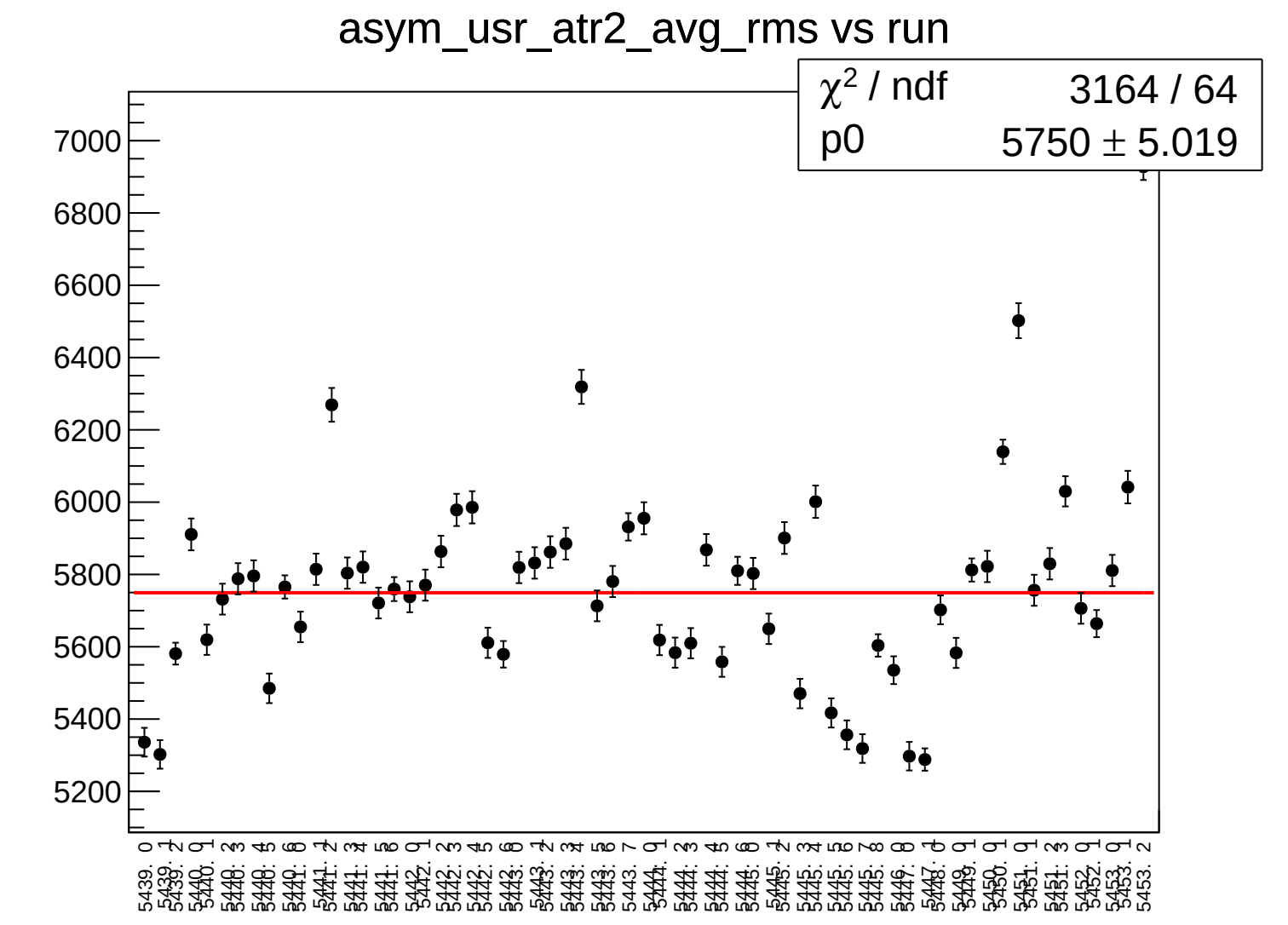

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 50.36 / 64
p0 758.4 ± 6239
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −11.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

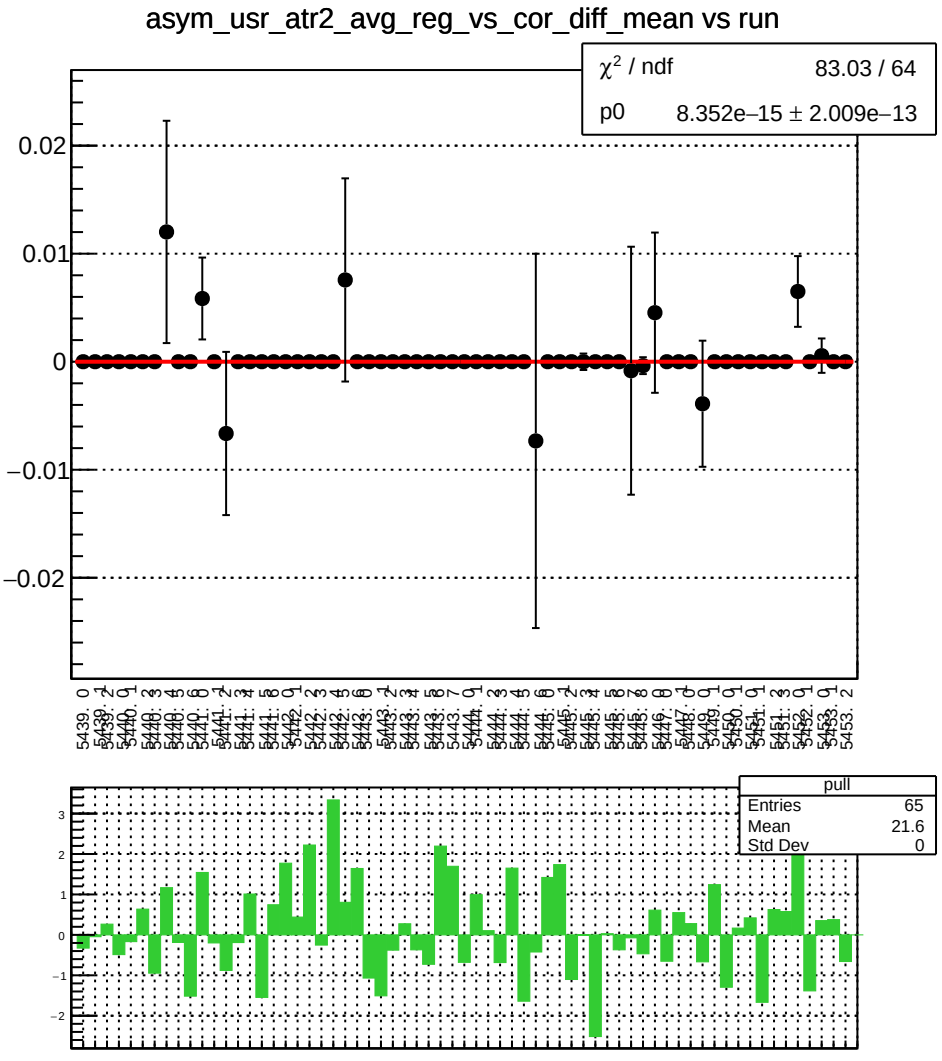

pull1D
Entries 65
Mean 0.039
Std Dev 0.8793
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

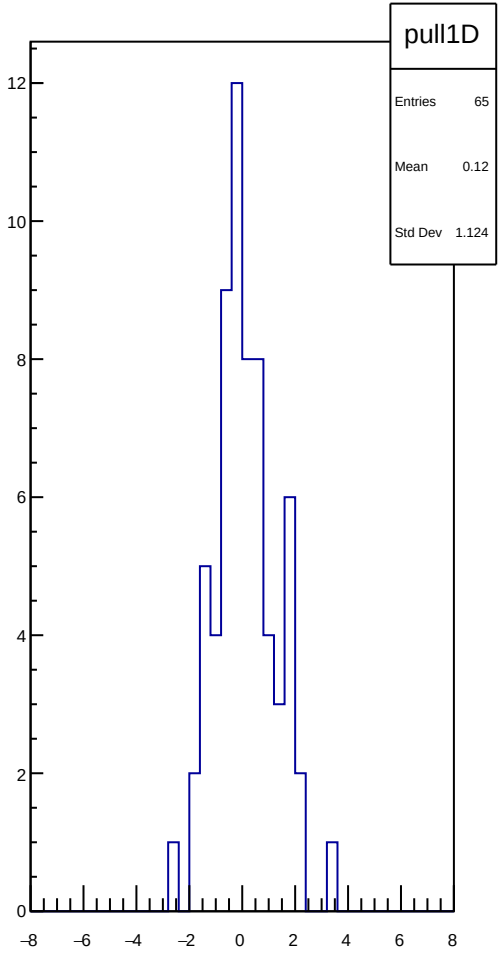

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.023e+04 / 64
p0 5021 ± 4.412
6000
5500
5000
4500
4000
3500
3000

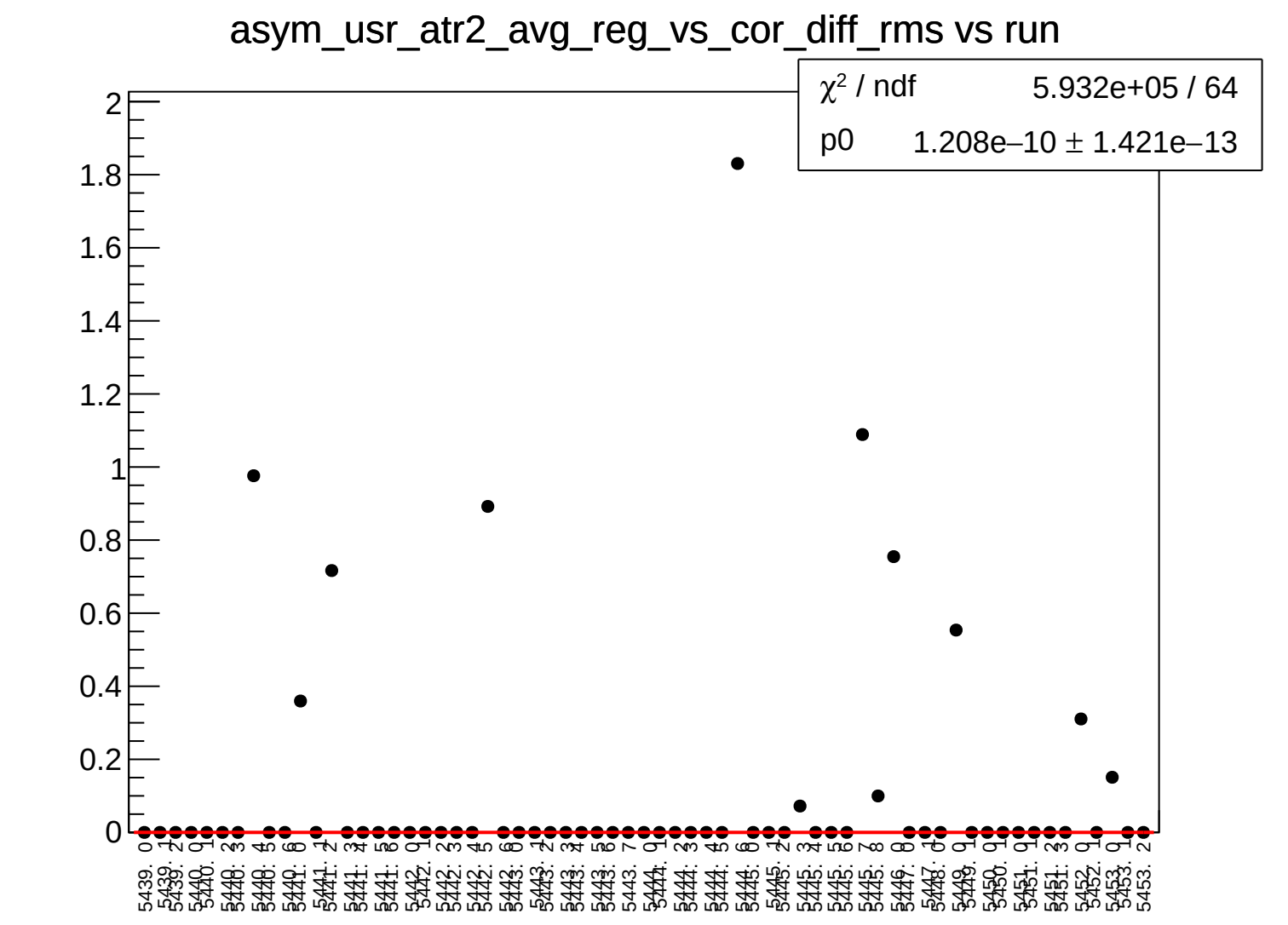

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 58.92 / 64
p0 −4869 ± 7098
pull
Entries 65
Mean 6.427
Std Dev 0

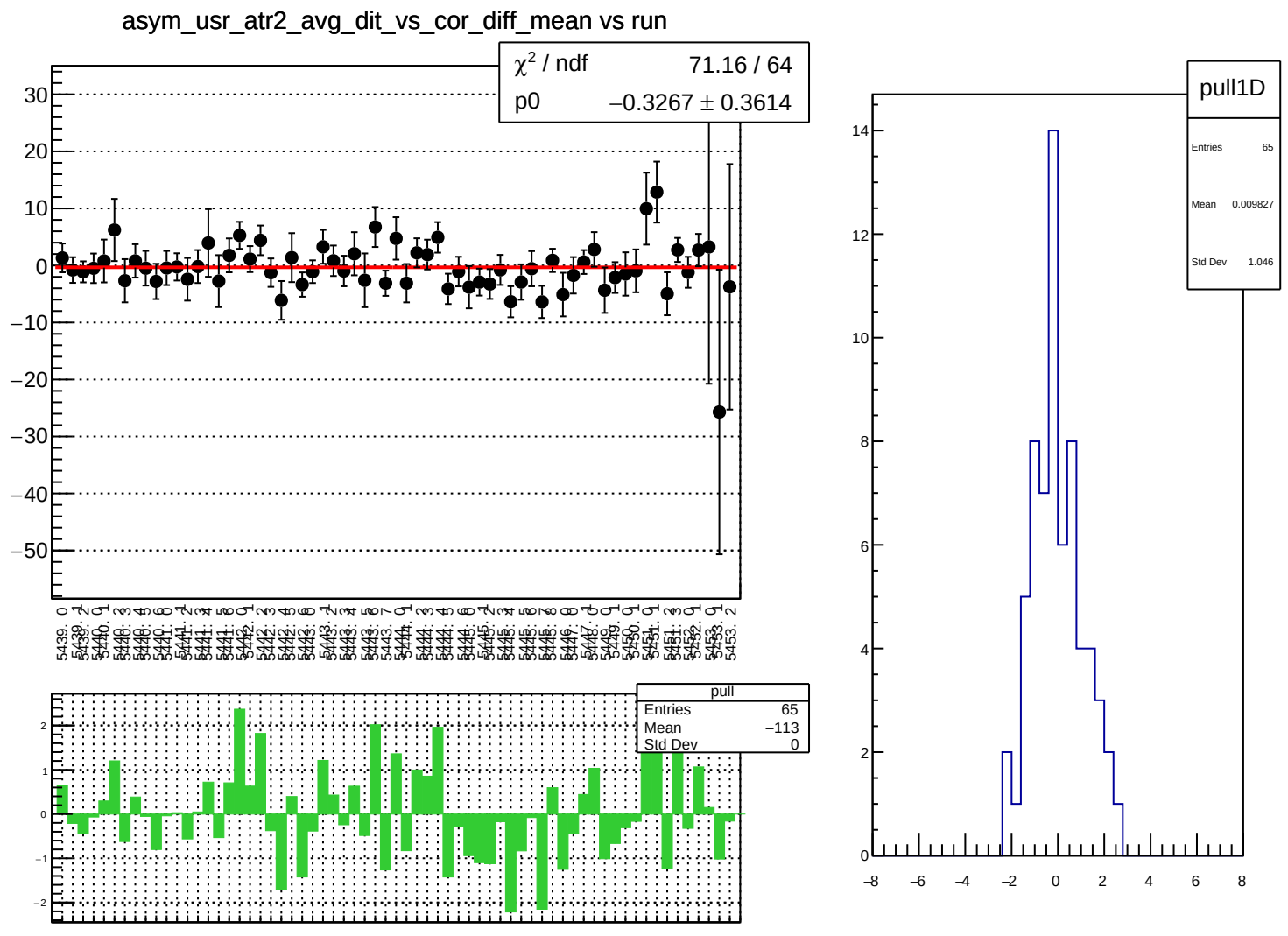

pull1D
Entries 65
Mean −0.03896
Std Dev 0.9513

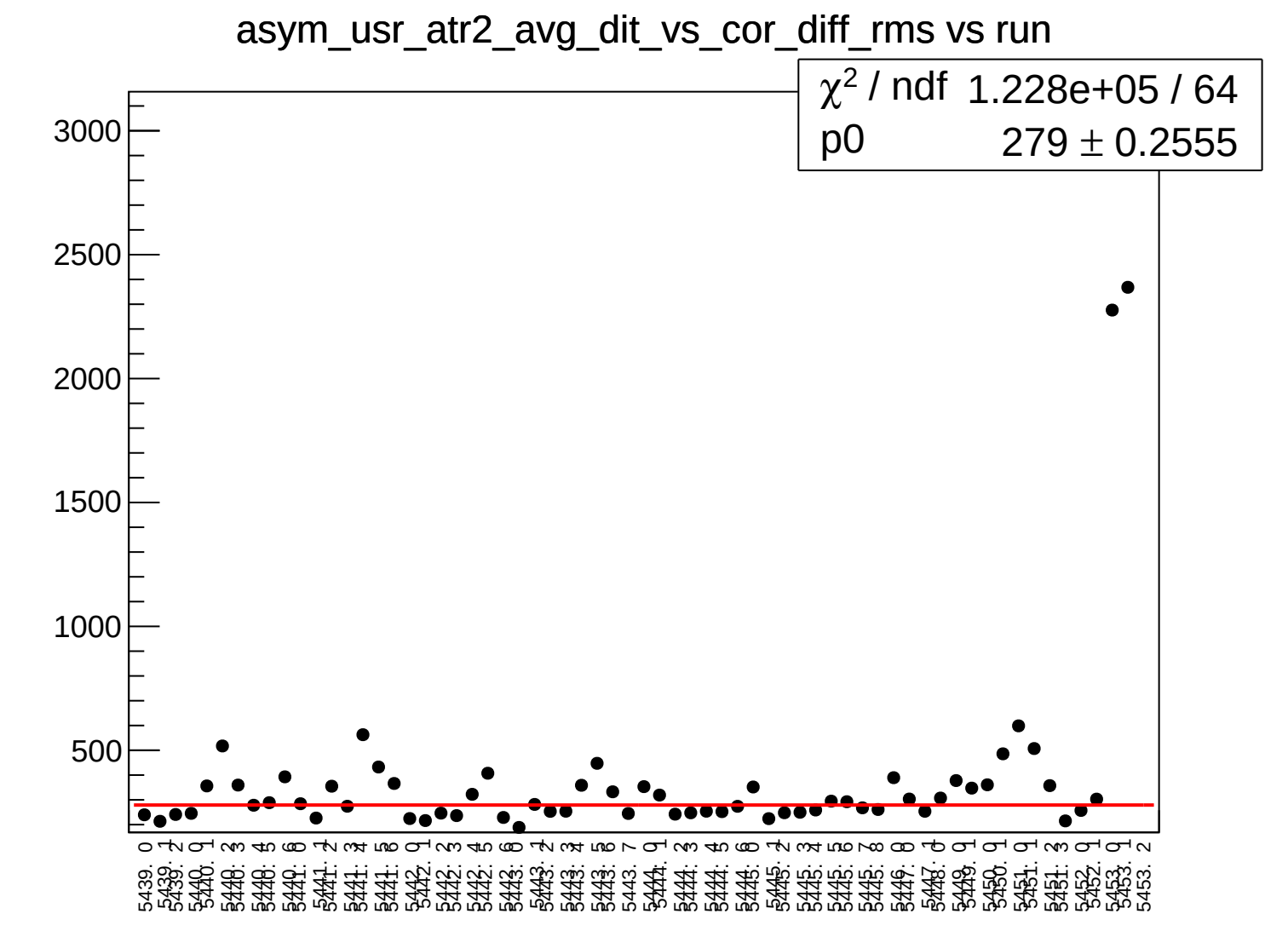

asym_usr_atr2_avg_rms vs run
χ² / ndf 3164 / 64
p0 5750 ± 5.019
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

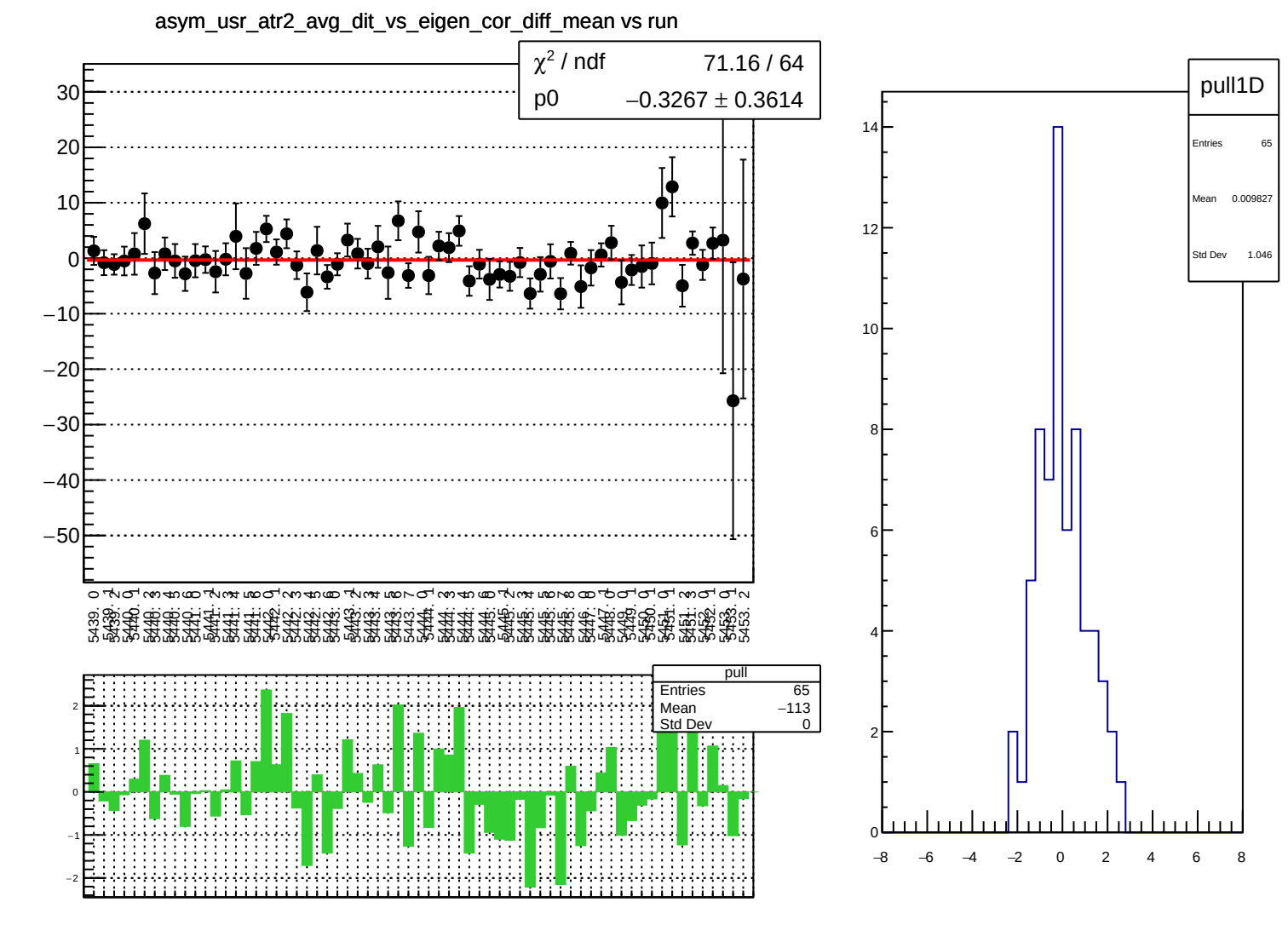

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.03 / 64
p0 8.352e−15 ± 2.009e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 65
Mean 21.6
Std Dev 0
3
2
1
0
−1
−2

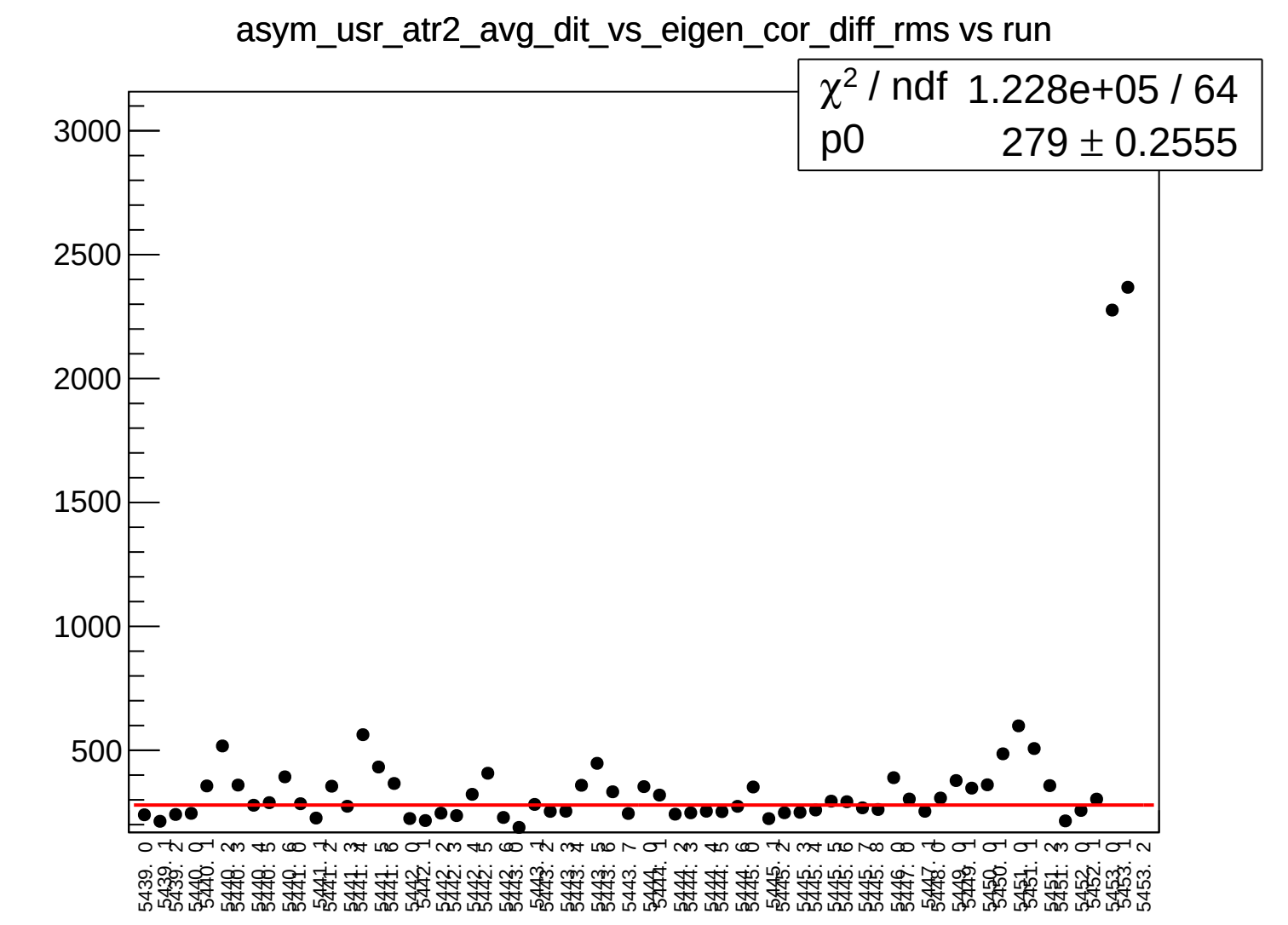

pull1D
Entries 65
Mean 0.12
Std Dev 1.124
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

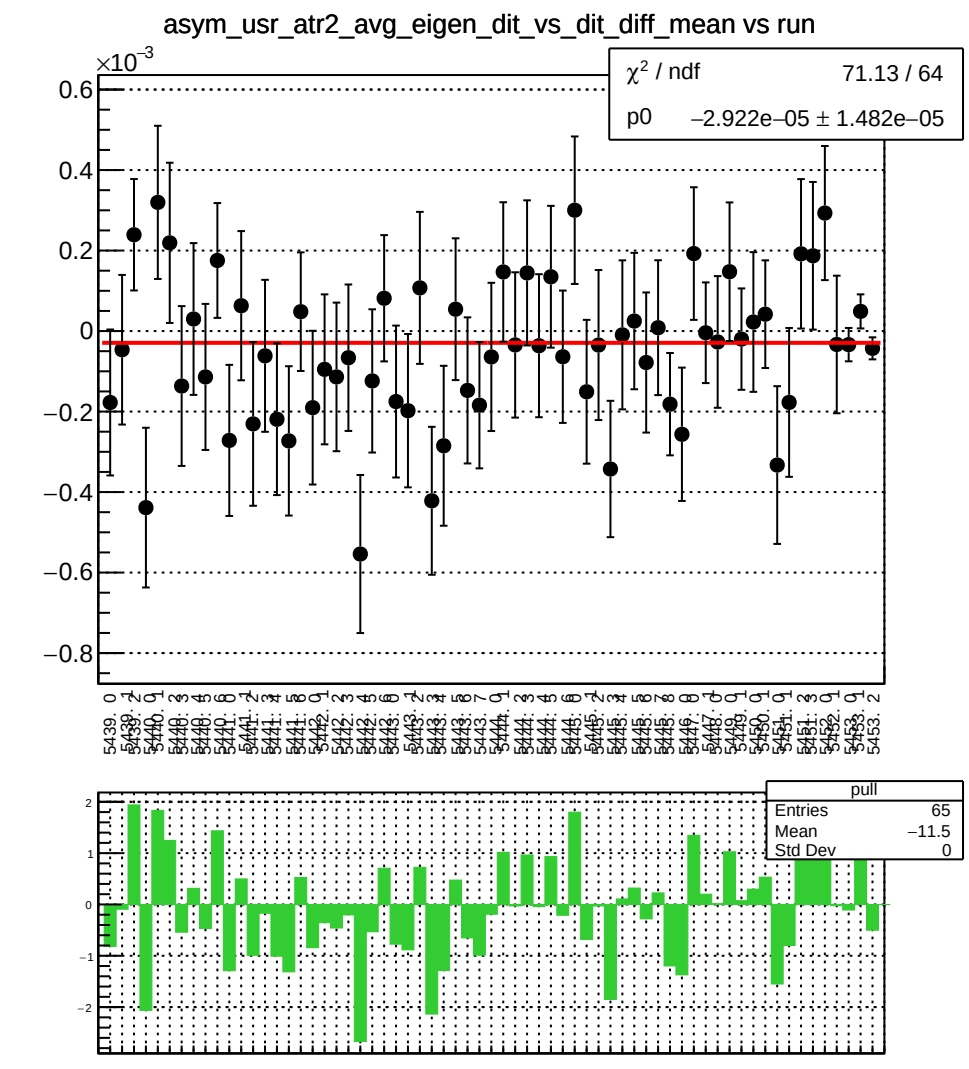

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.932e+05 / 64
p0 1.208e−10 ± 1.421e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

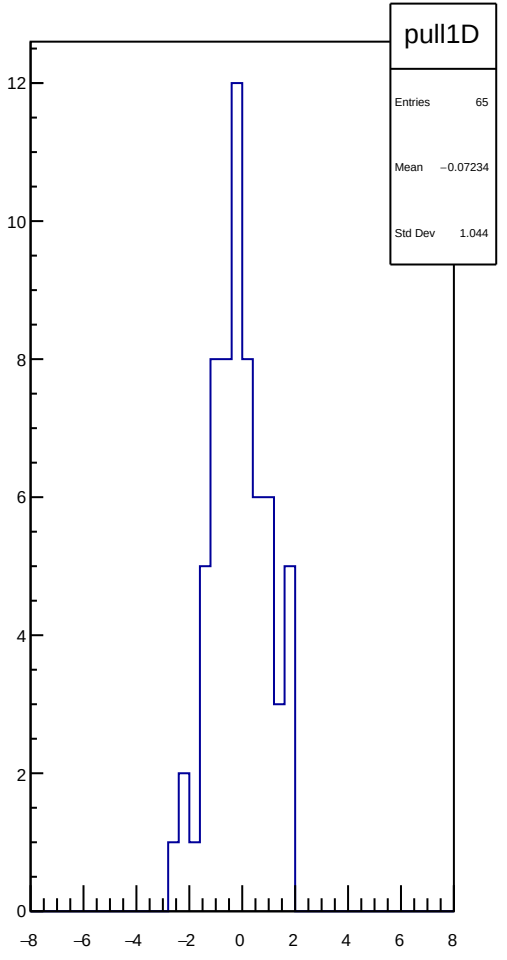

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 71.16 / 64
p0 −0.3267 ± 0.3614
pull
Entries 65
Mean −113
Std Dev 0
pull1D
Entries 65
Mean 0.009827
Std Dev 1.046

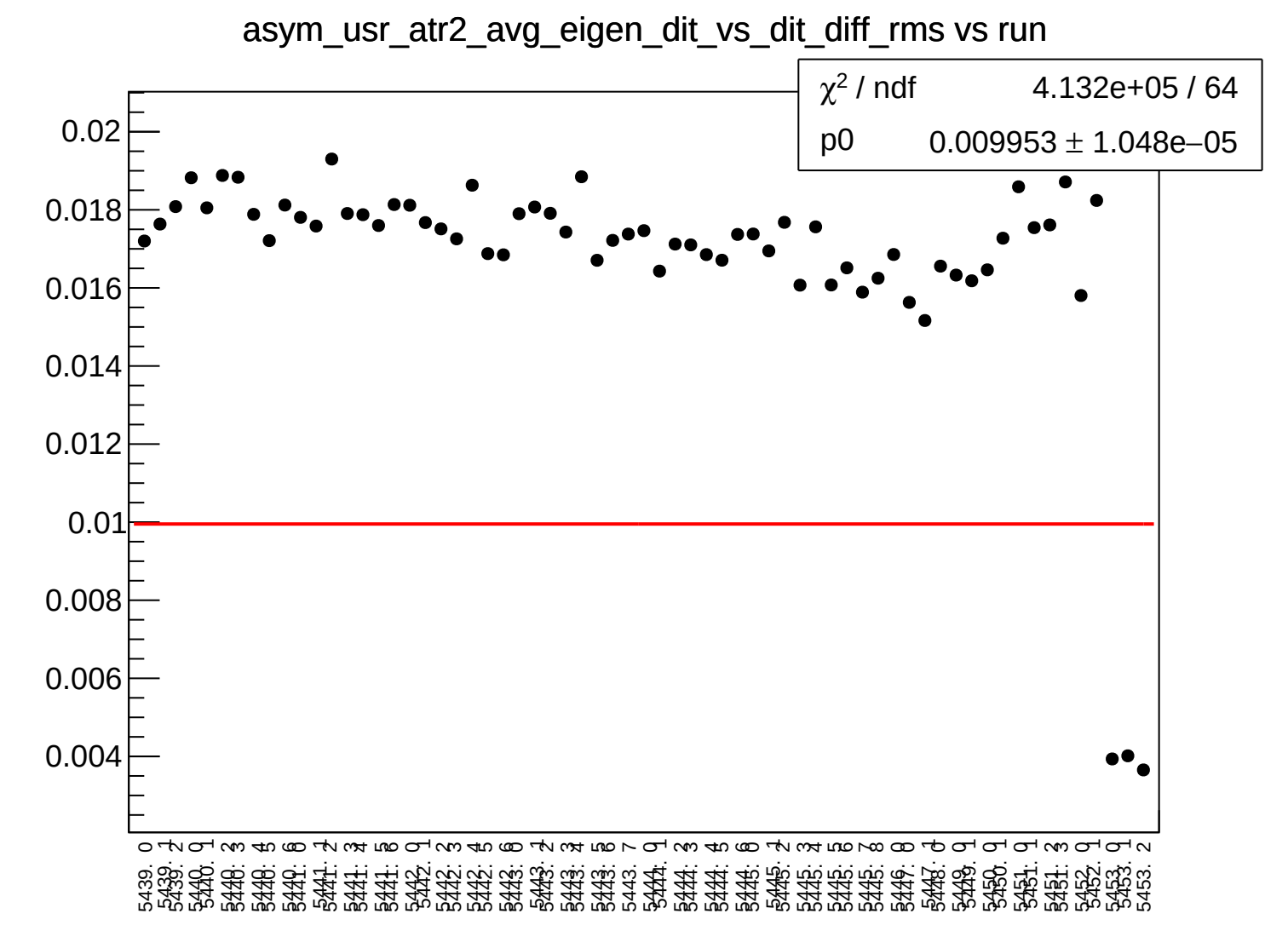

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.228e+05 / 64
p0 279 ± 0.2555
3000
2500
2000
1500
1000
500

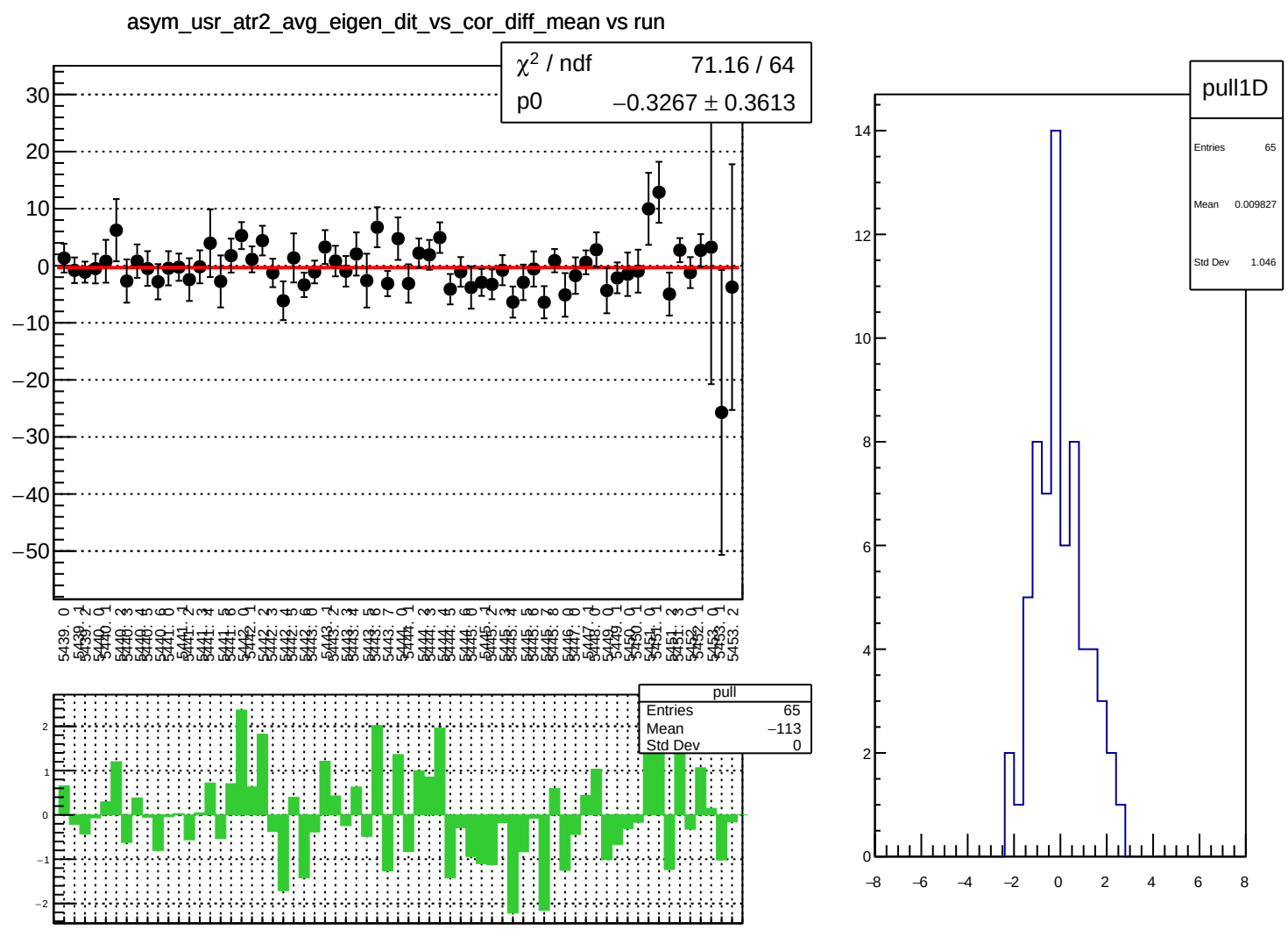

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.16 / 64
p0 −0.3267 ± 0.3614
pull
Entries 65
Mean −113
Std Dev 0
pull1D
Entries 65
Mean 0.009827
Std Dev 1.046

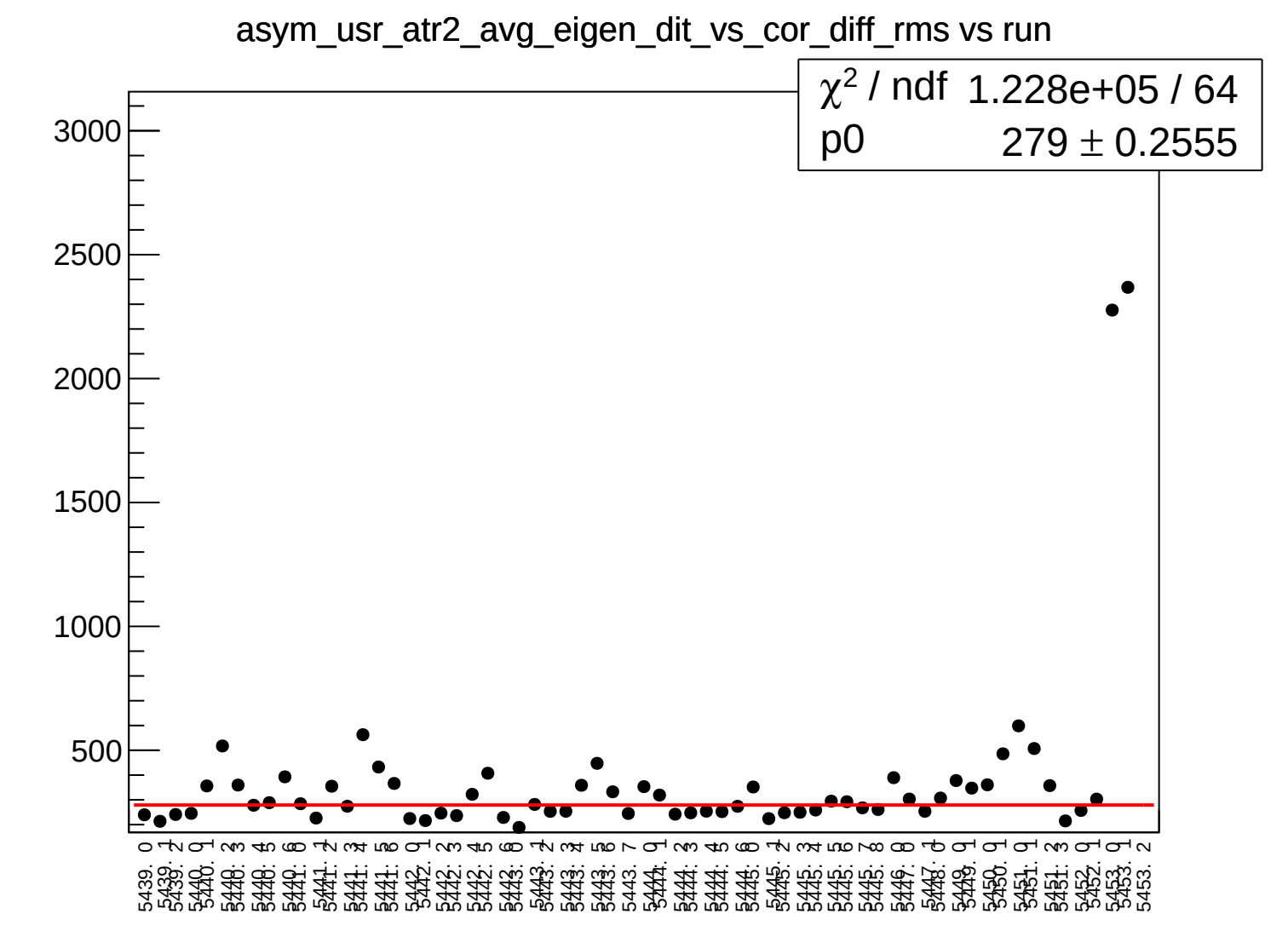

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.228e+05 / 64
p0 279 ± 0.2555
3000
2500
2000
1500
1000
500

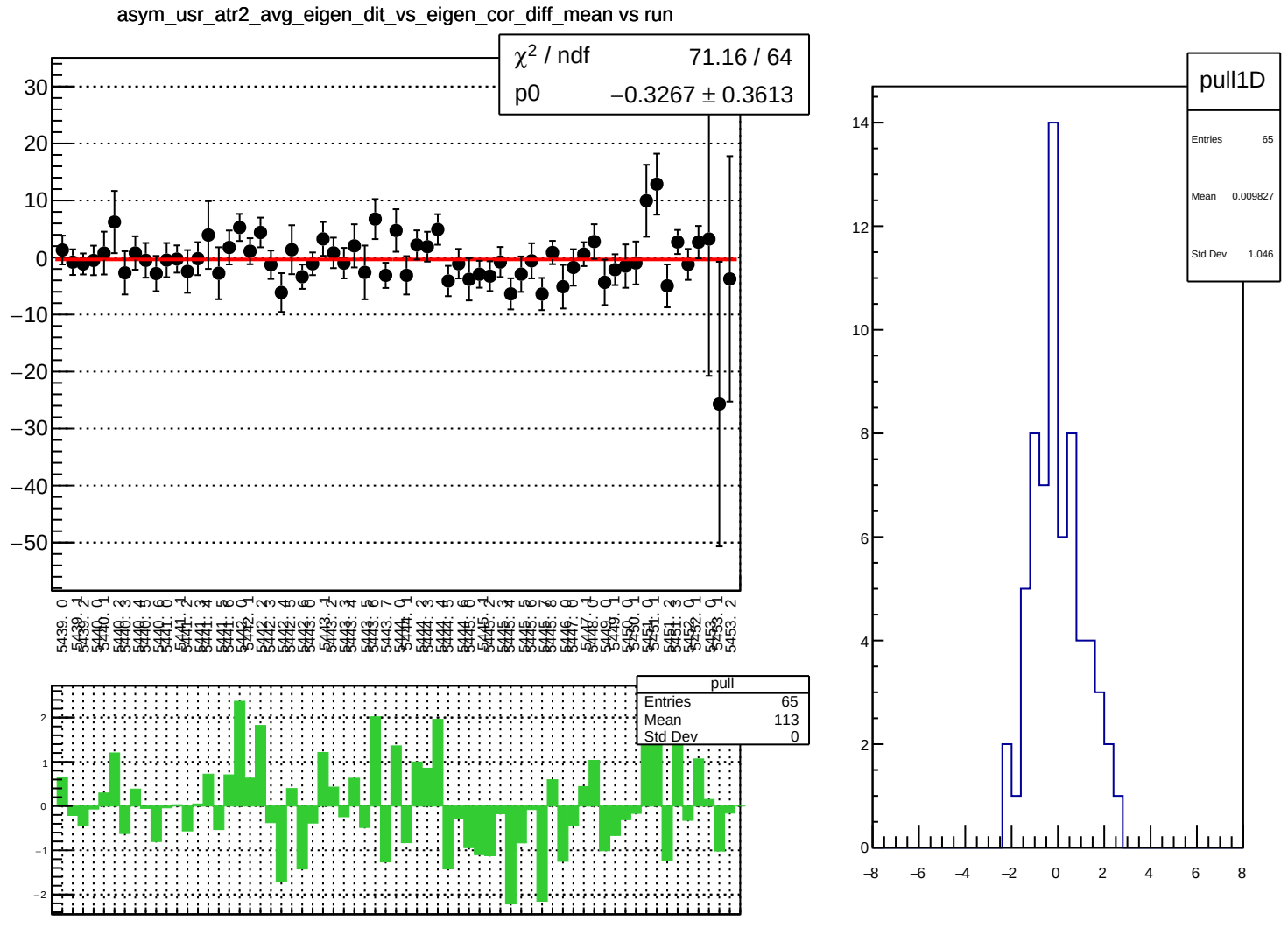

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.13 / 64
p0 −2.922e−05 ± 1.482e−05
pull
Entries 65
Mean −11.5
Std Dev 0

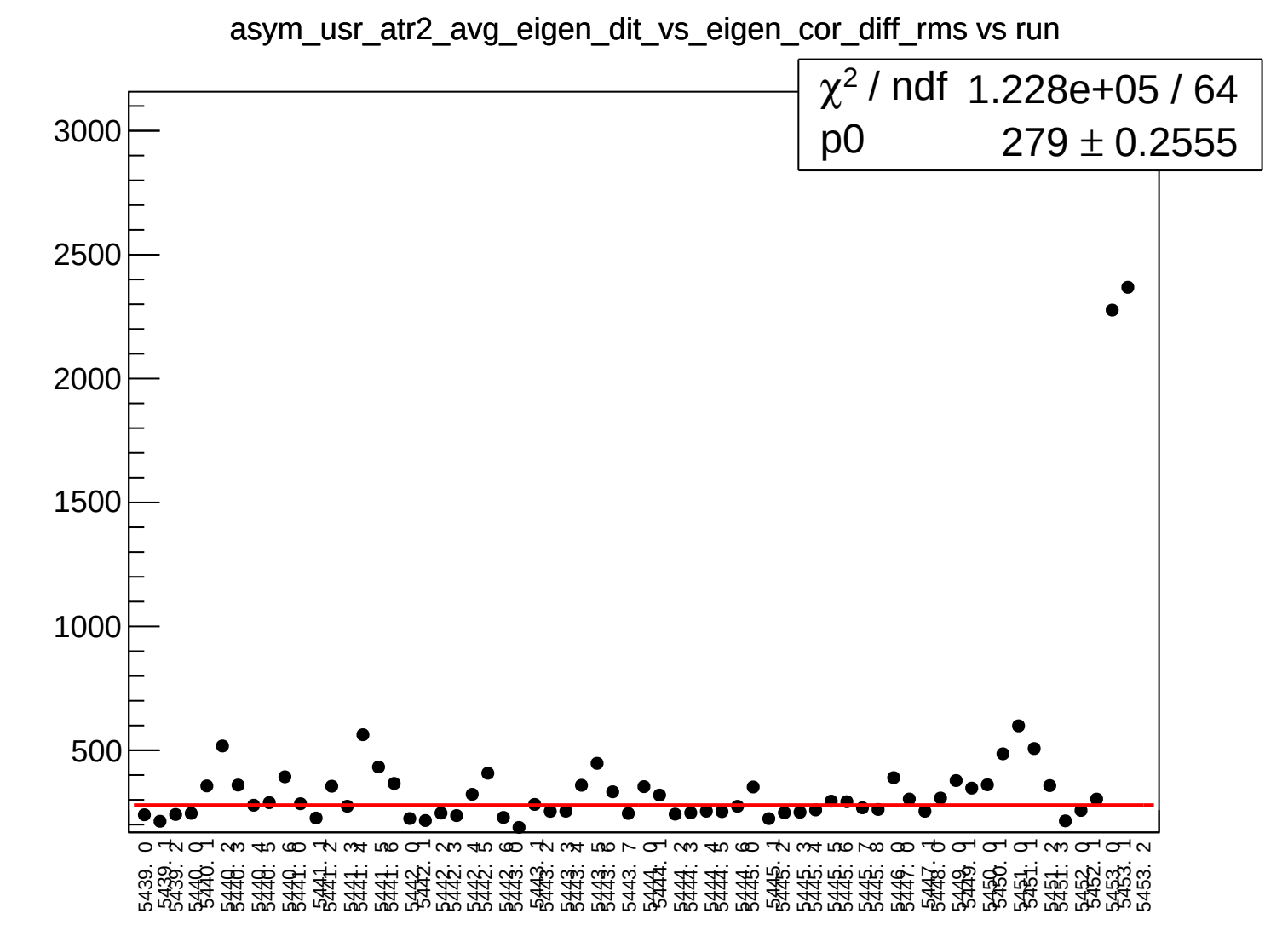

pull1D
Entries 65
Mean −0.07234
Std Dev 1.044

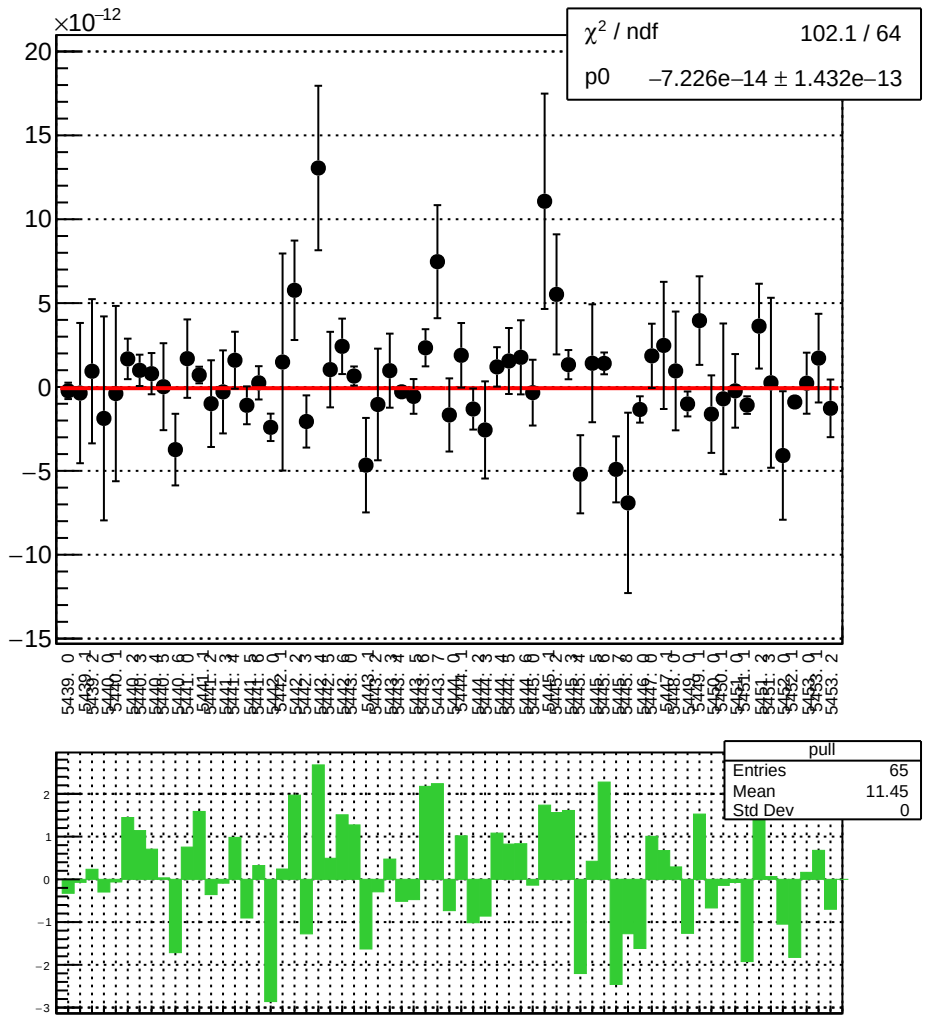

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.132e+05 / 64
p0 0.009953 ± 1.048e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

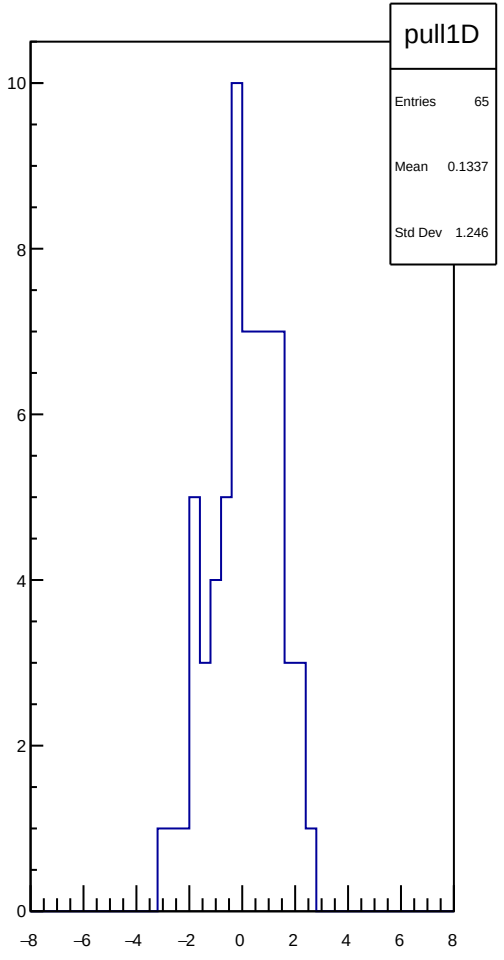

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.16 / 64
p0 −0.3267 ± 0.3613
pull
Entries 65
Mean −113
Std Dev 0
pull1D
Entries 65
Mean 0.009827
Std Dev 1.046

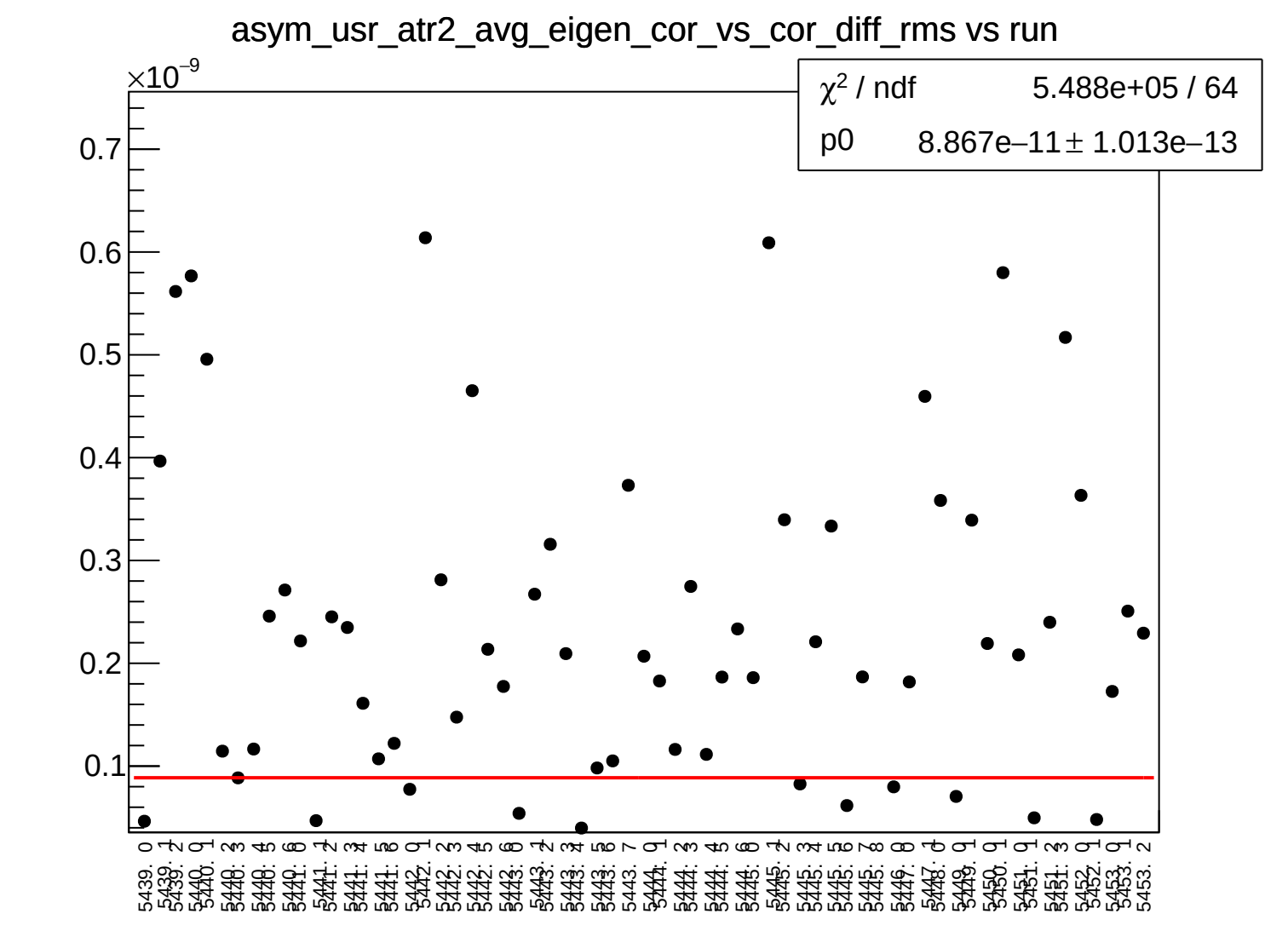

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.228e+05 / 64
p0 279 ± 0.2555
3000
2500
2000
1500
1000
500

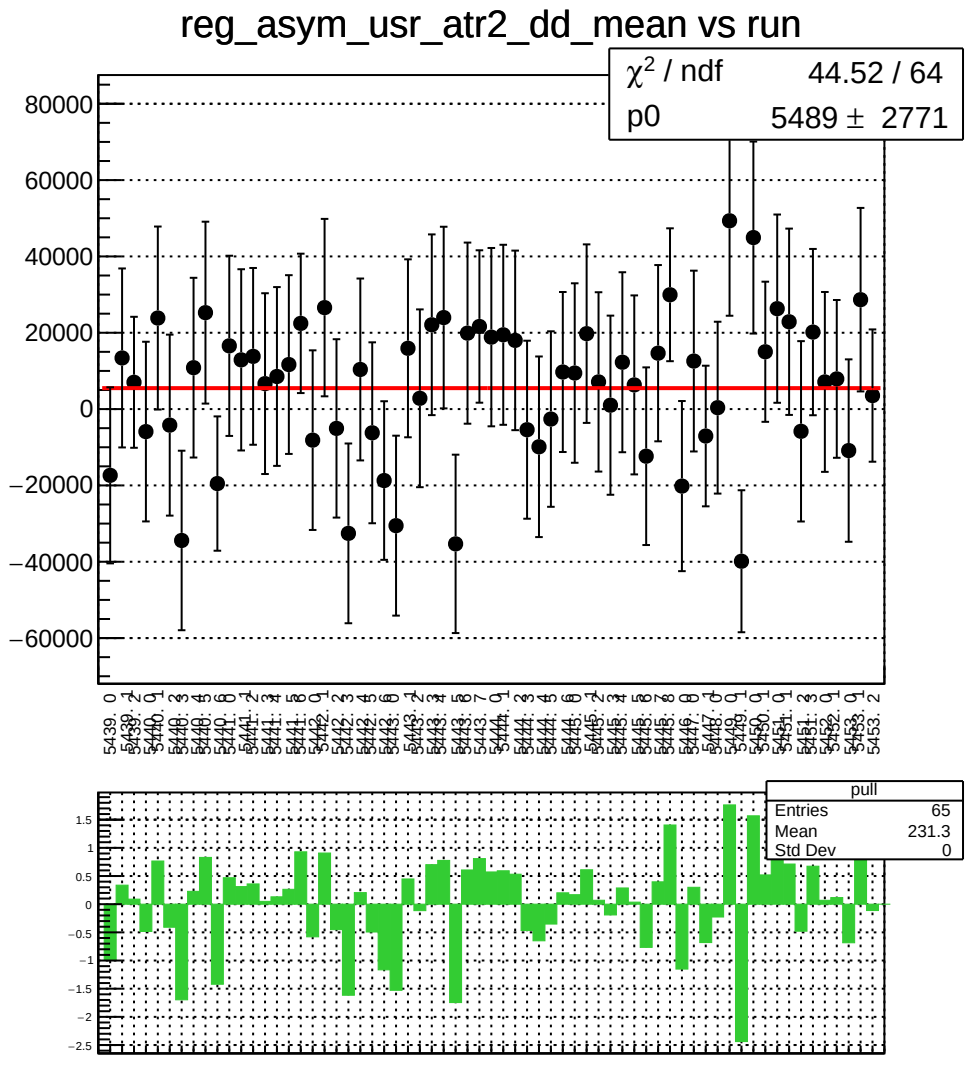

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.16 / 64
p0 −0.3267 ± 0.3613
pull
Entries 65
Mean −113
Std Dev 0
pull1D
Entries 65
Mean 0.009827
Std Dev 1.046

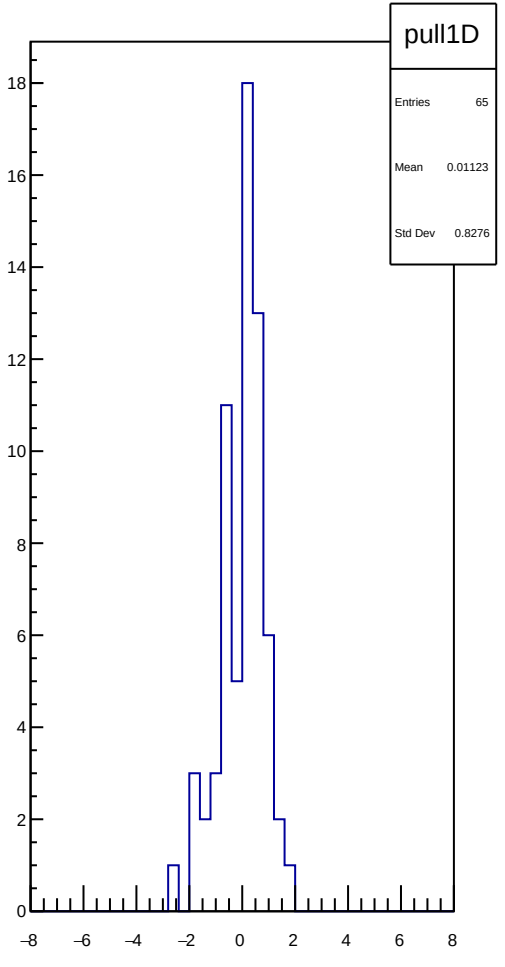

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.228e+05 / 64
p0 279 ± 0.2555
3000
2500
2000
1500
1000
500

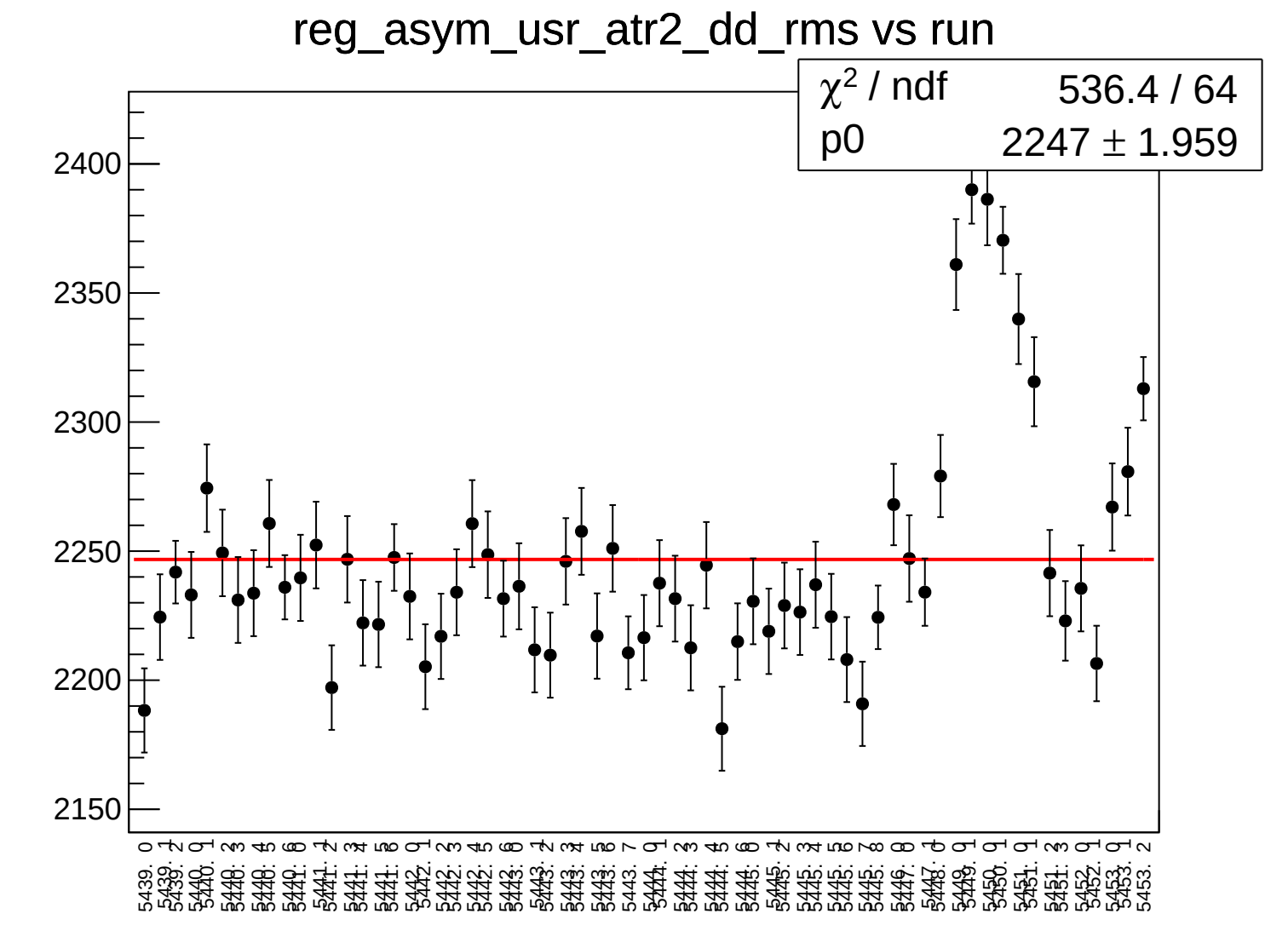

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 102.1 / 64
p0 −7.226e−14 ± 1.432e−13
pull
Entries 65
Mean 11.45
Std Dev 0

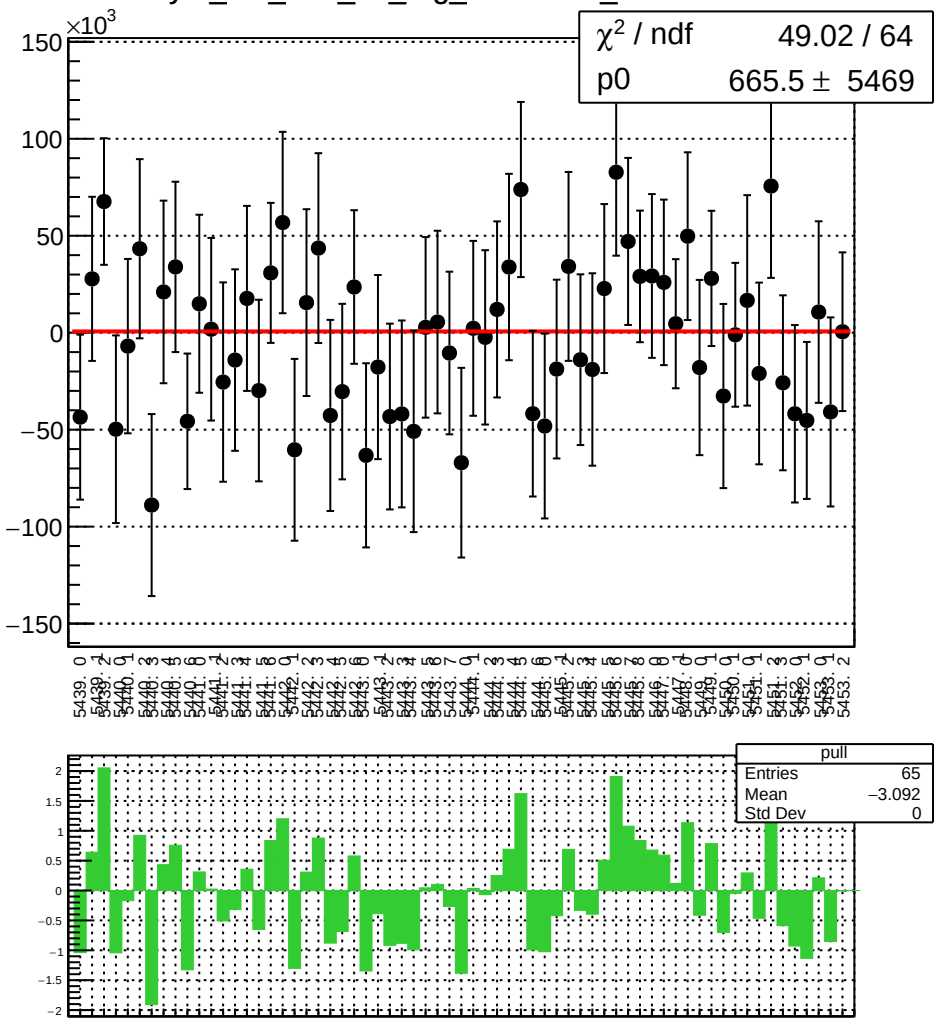

pull1D
Entries 65
Mean 0.1337
Std Dev 1.246

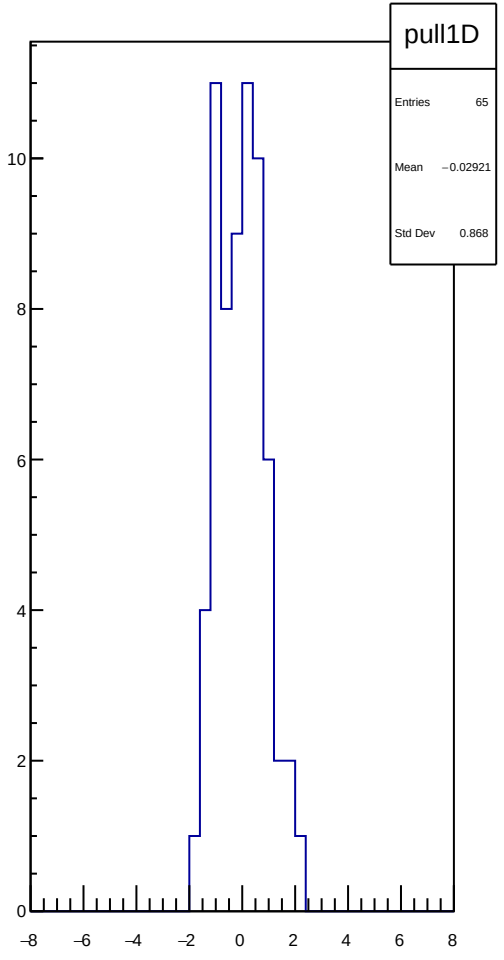

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.488e+05 / 64
p0 8.867e−11 ± 1.013e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

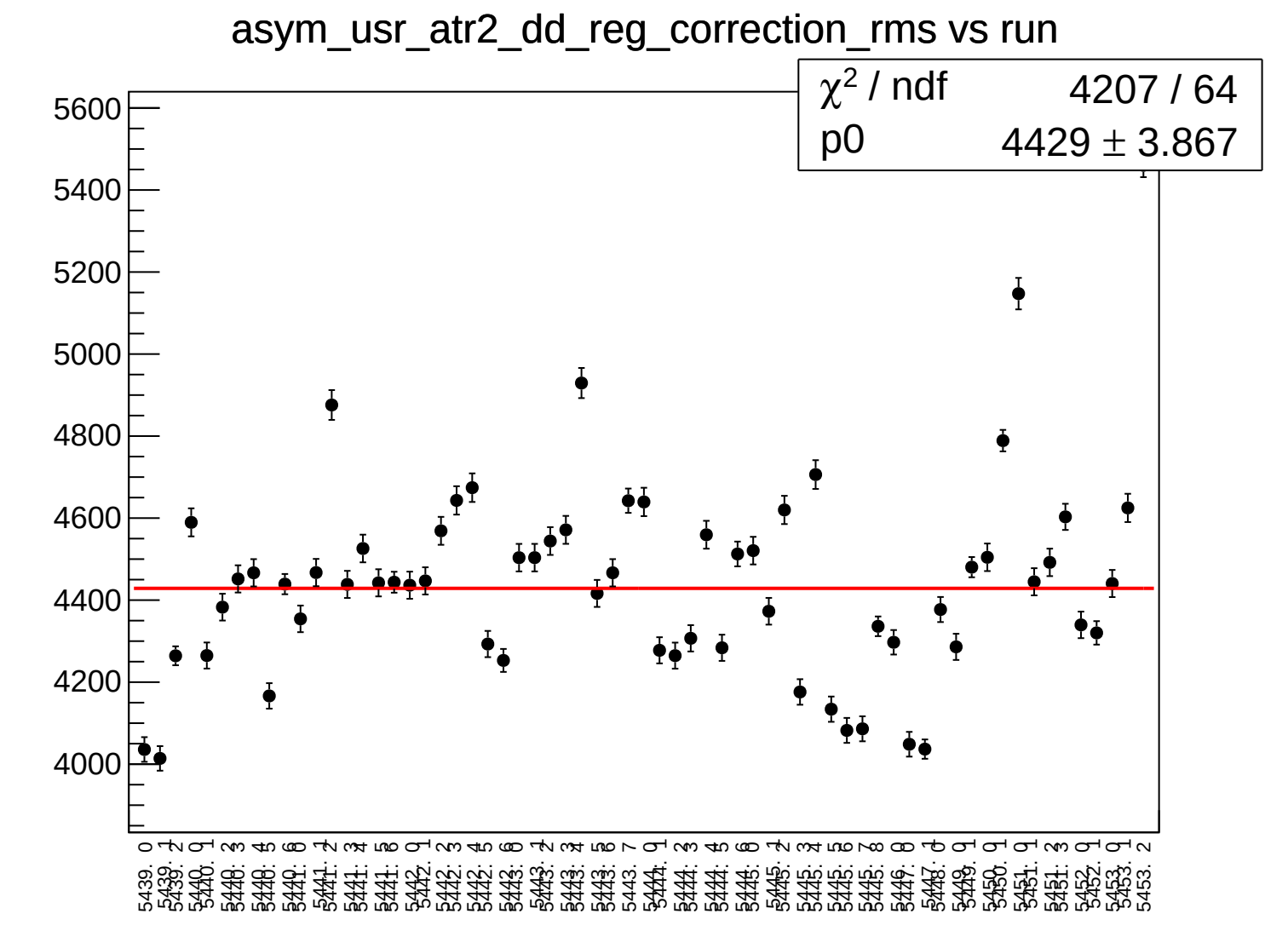

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.52 / 64
p0 5489 ± 2771
pull
Entries 65
Mean 231.3
Std Dev 0

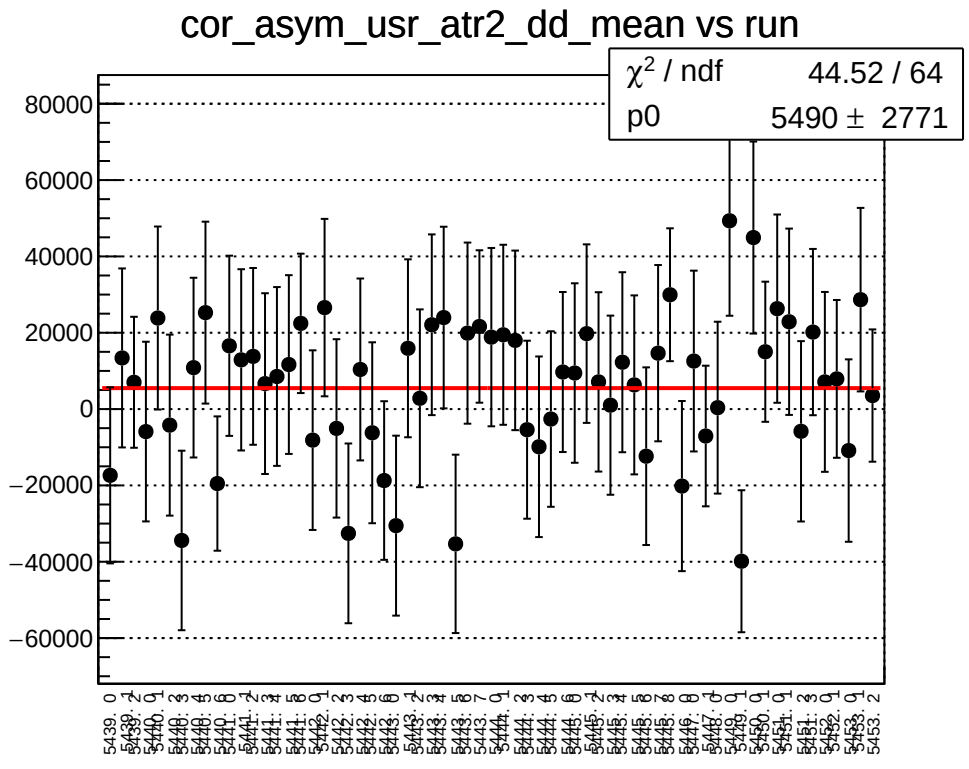

pull1D
Entries 65
Mean 0.01123
Std Dev 0.8276

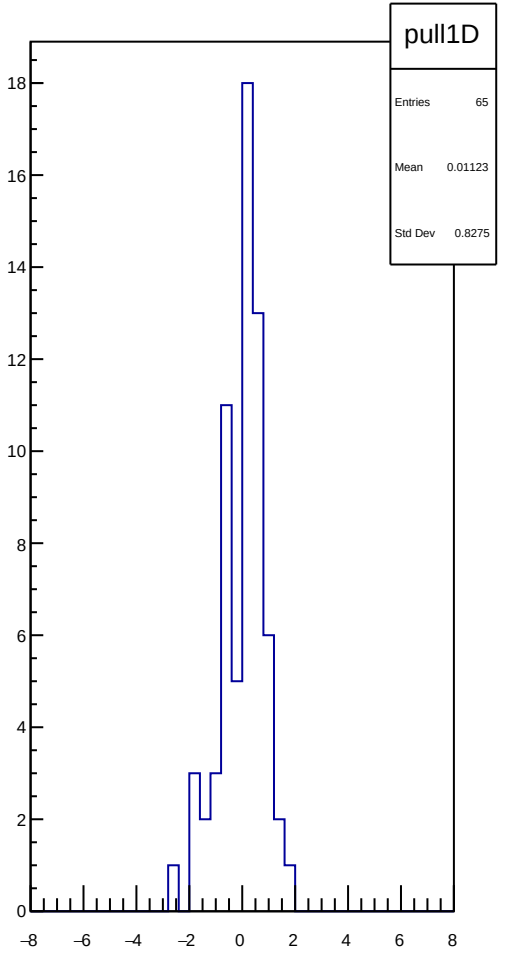

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 536.4 / 64
p0 2247 ± 1.959
2400
2350
2300
2250
2200
2150

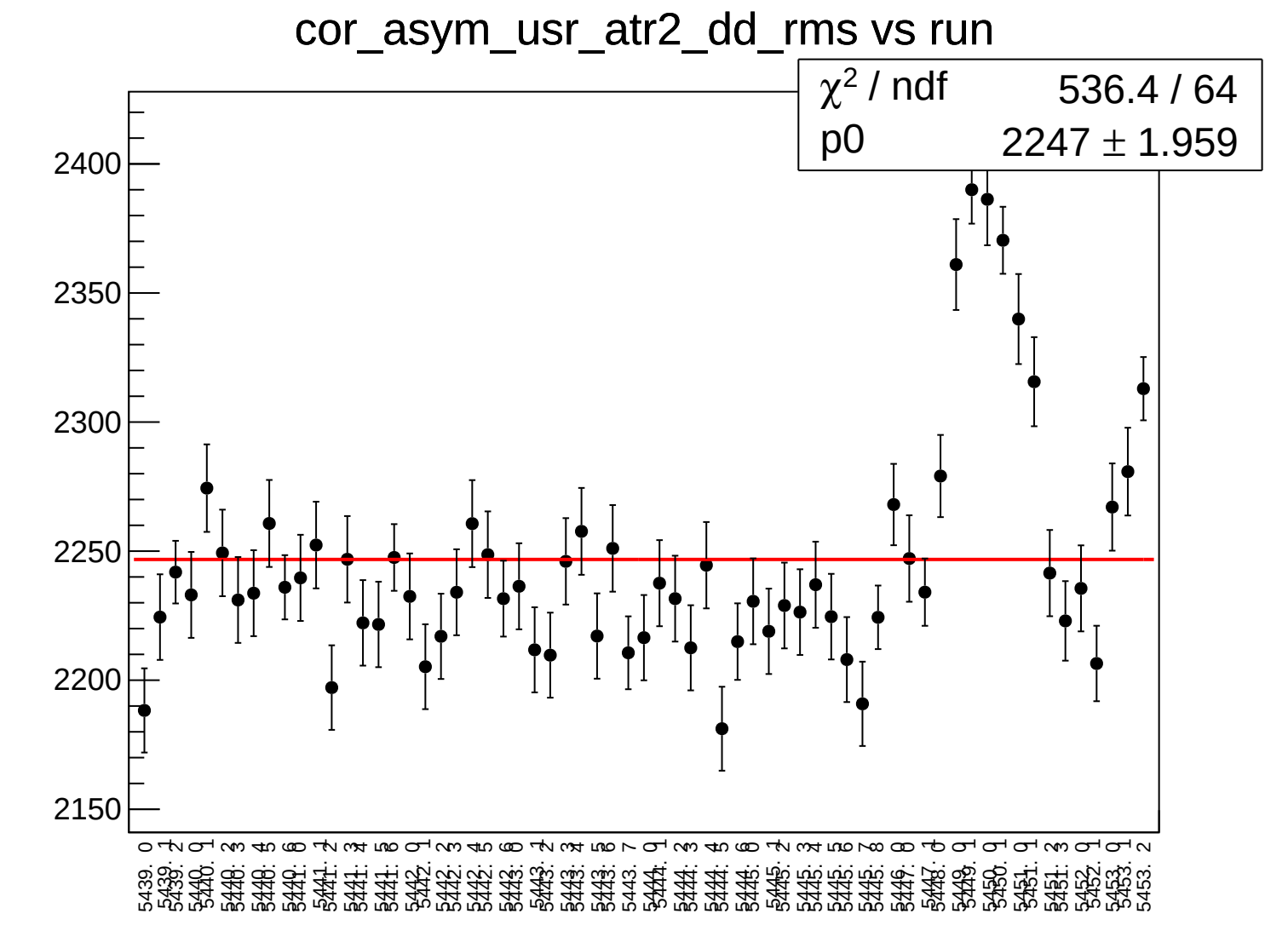

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.02 / 64
p0 665.5 ± 5469
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −3.092
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

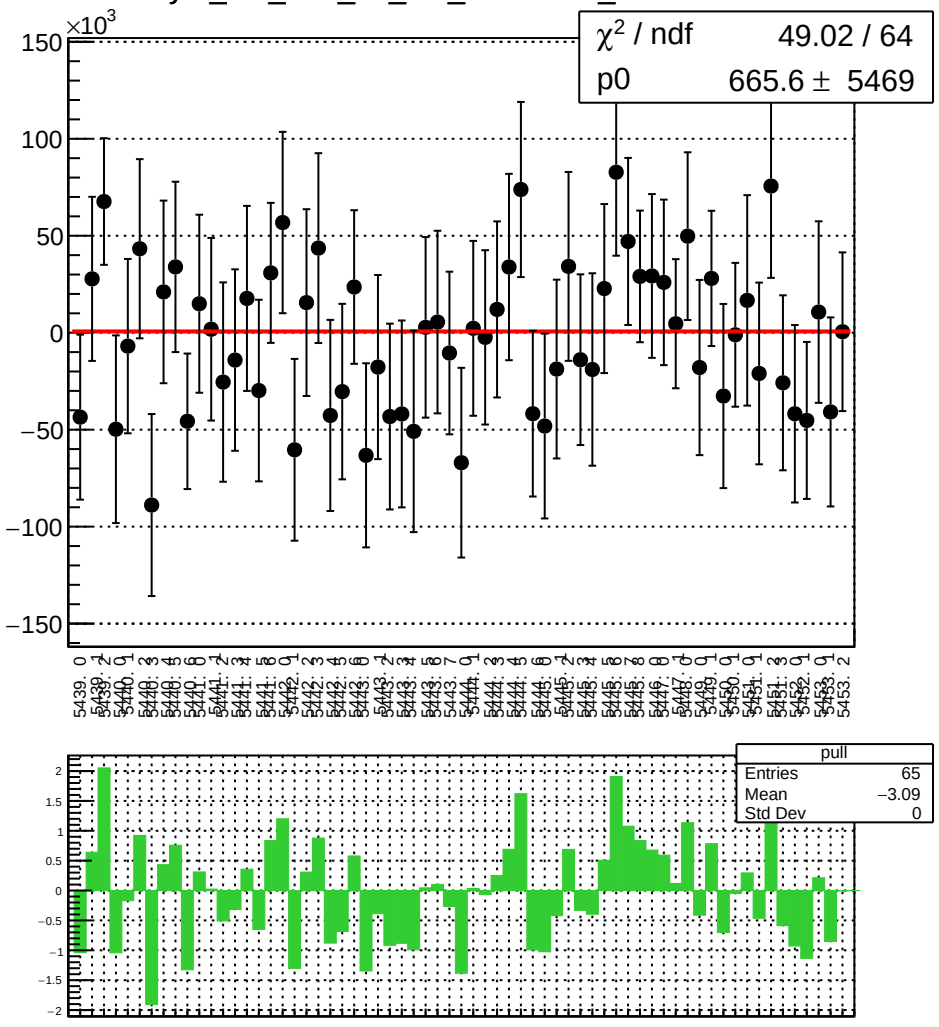

pull1D
Entries 65
Mean −0.02921
Std Dev 0.868
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

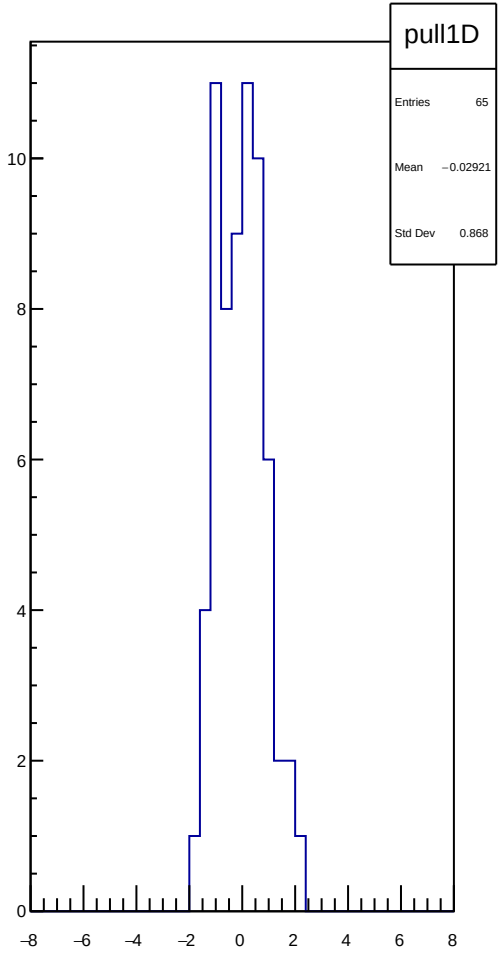

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 4207 / 64
p0 4429 ± 3.867
5600
5400
5200
5000
4800
4600
4400
4200
4000

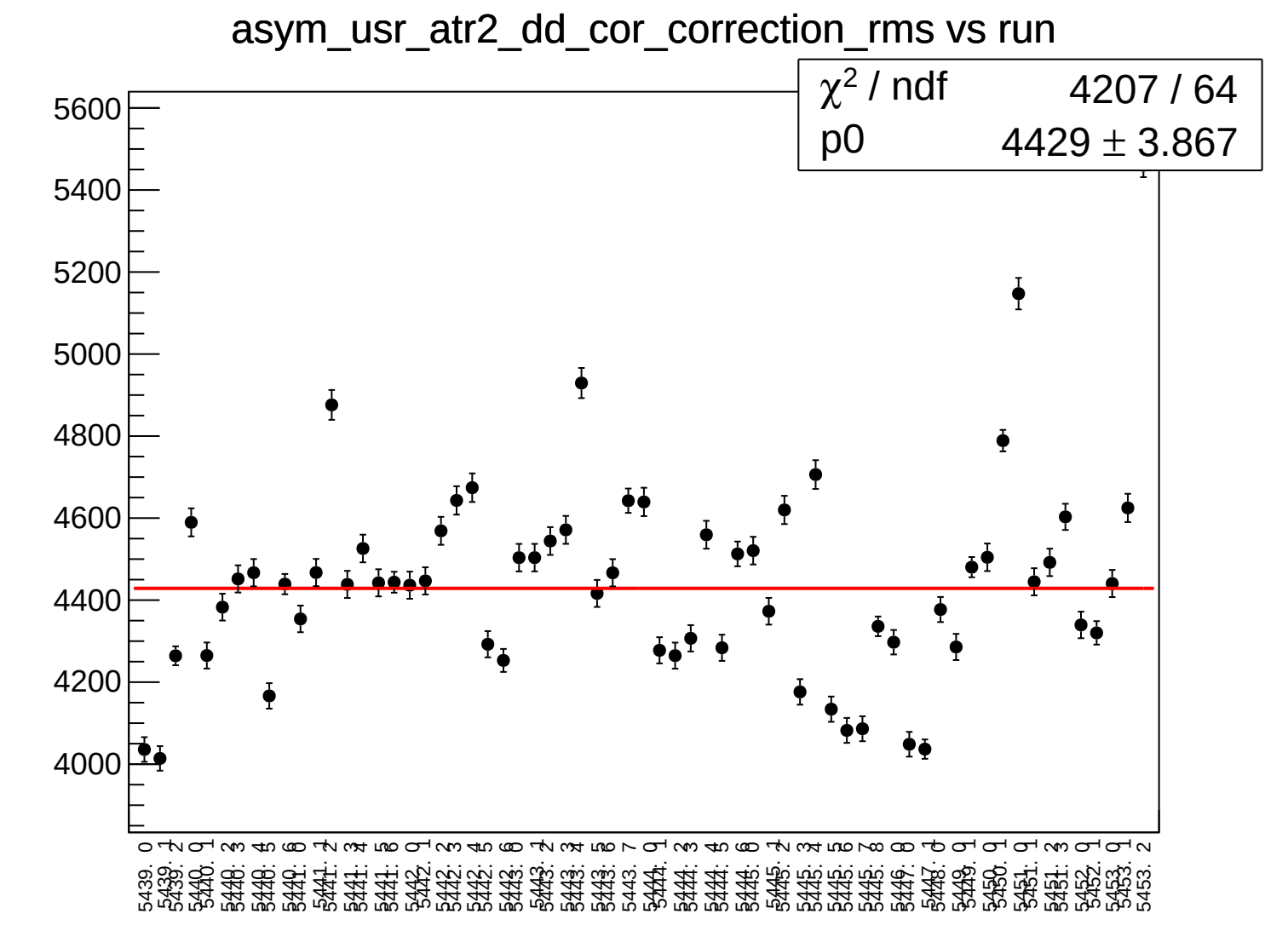

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.52 / 64
p0 5490 ± 2771
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 231.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

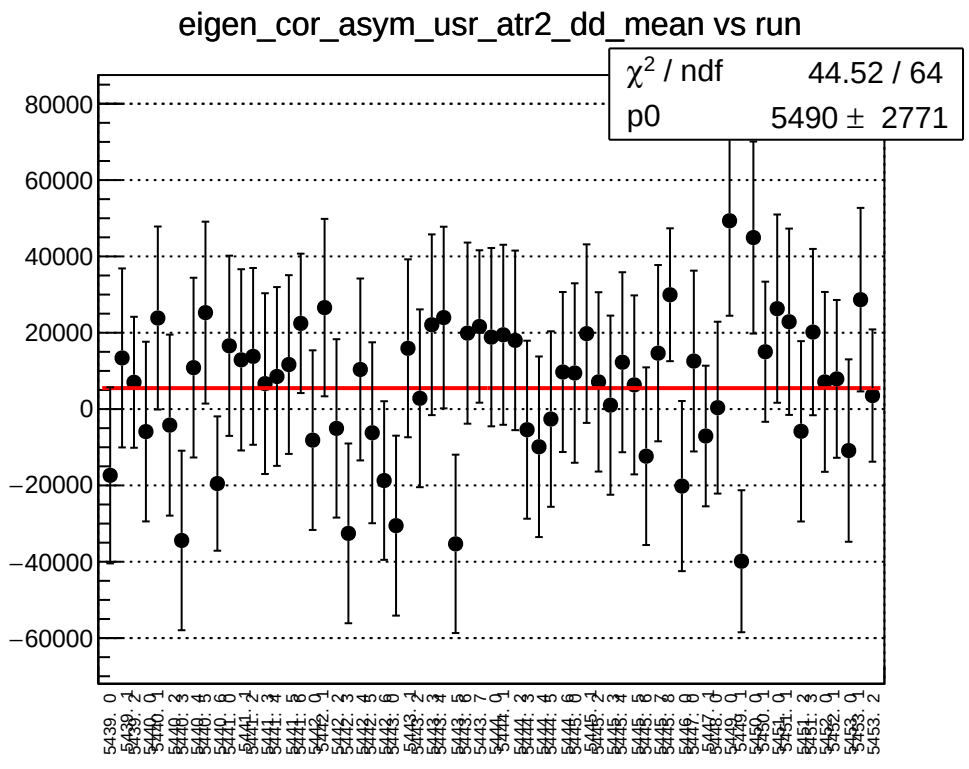

pull1D
Entries 65
Mean 0.01123
Std Dev 0.8275
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

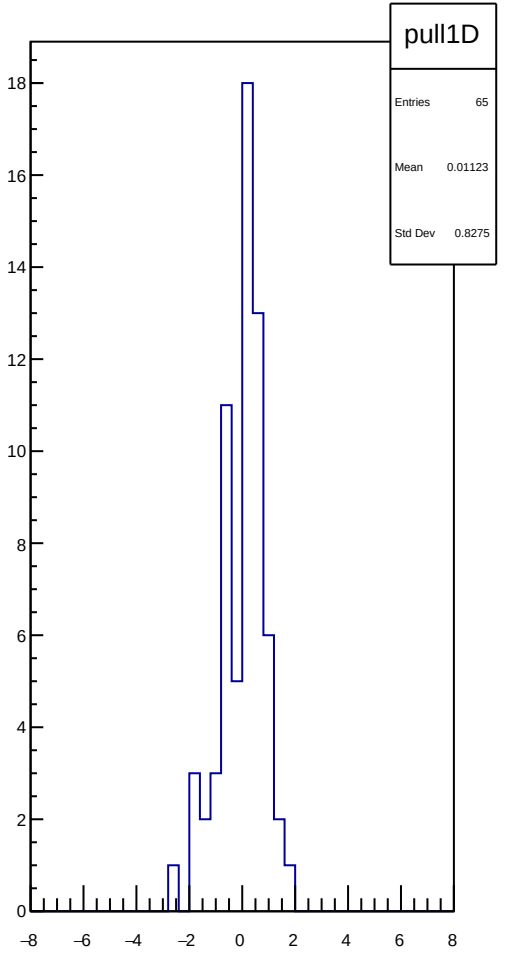

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 536.4 / 64
p0 2247 ± 1.959
2400
2350
2300
2250
2200
2150

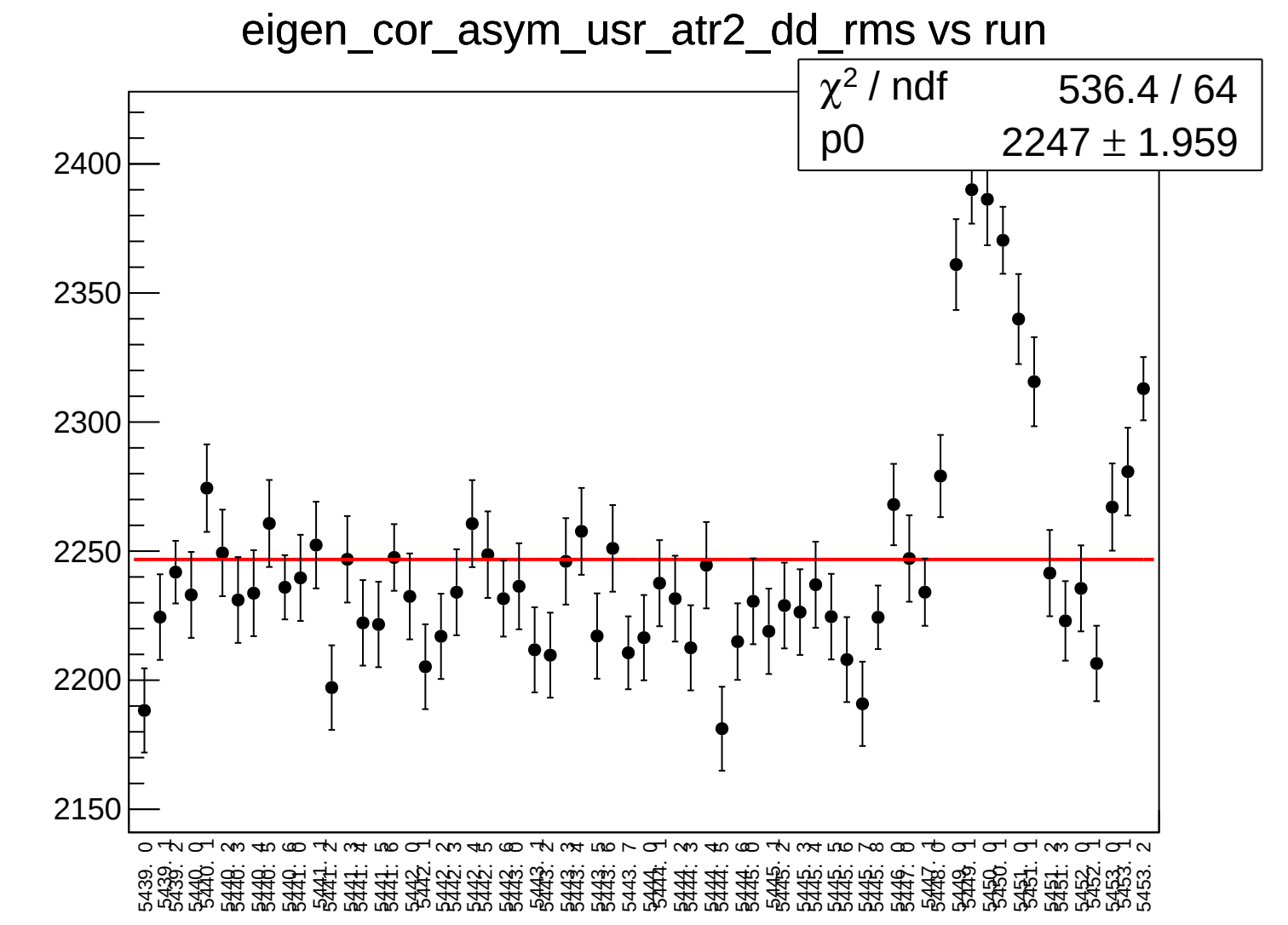

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.02 / 64
p0 665.6 ± 5469
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −3.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

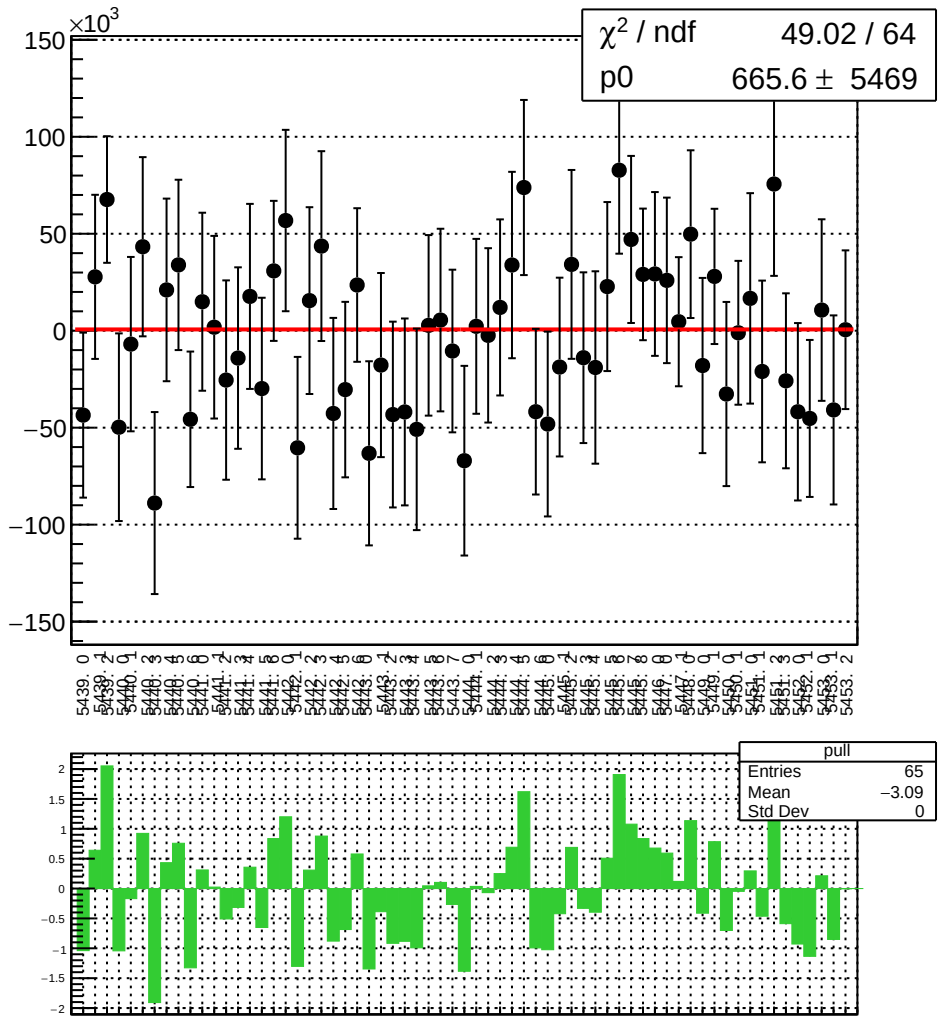

pull1D
Entries 65
Mean −0.02921
Std Dev 0.868
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

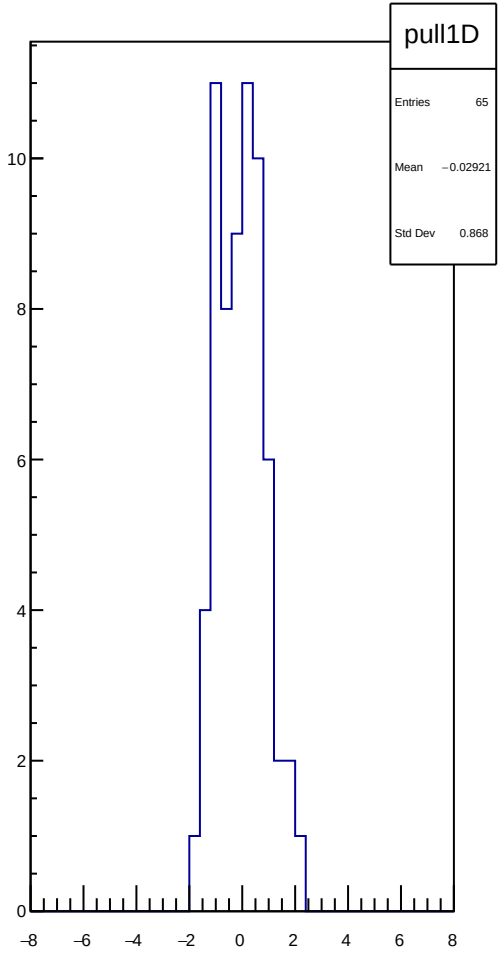

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 4207 / 64
p0 4429 ± 3.867
5600
5400
5200
5000
4800
4600
4400
4200
4000

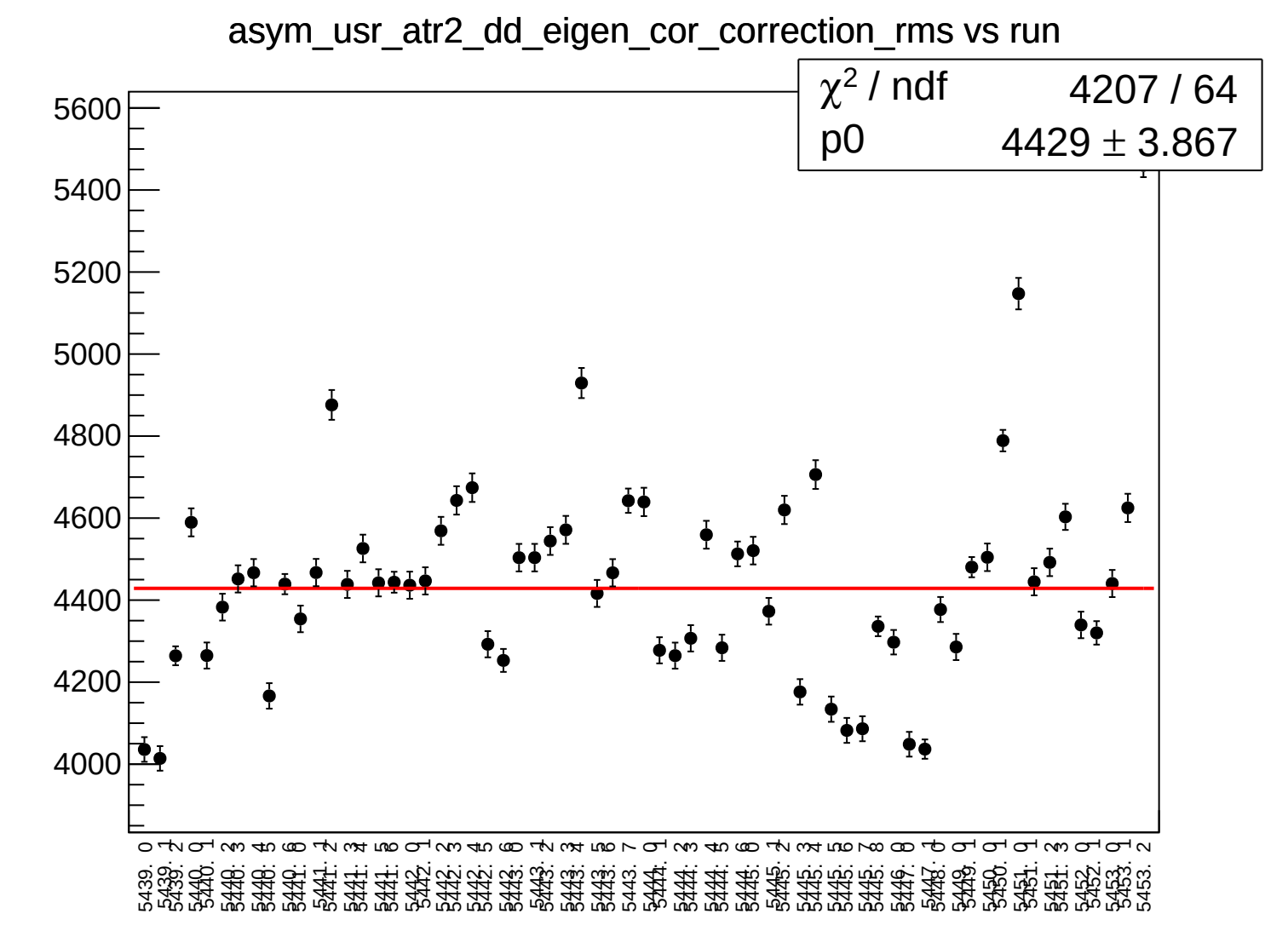

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.52 / 64
p0 5490 ± 2771
pull
Entries 65
Mean 231.3
Std Dev 0

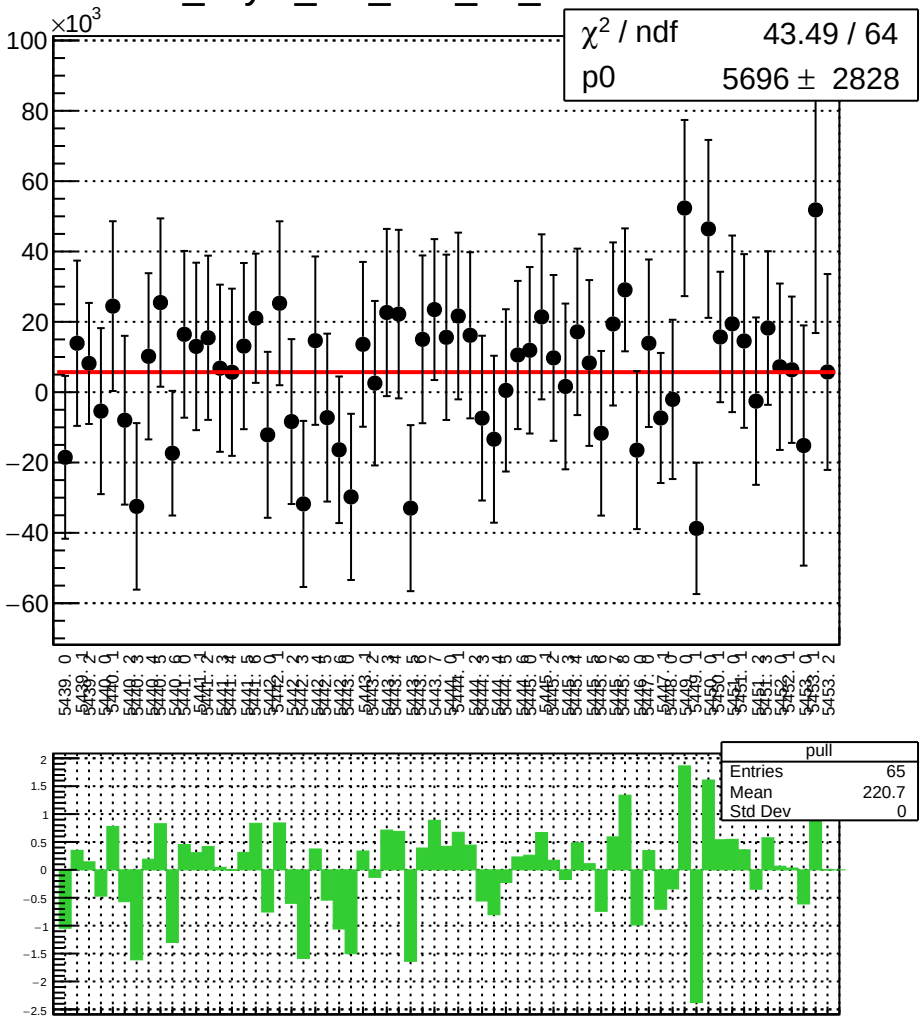

pull1D
Entries 65
Mean 0.01123
Std Dev 0.8275

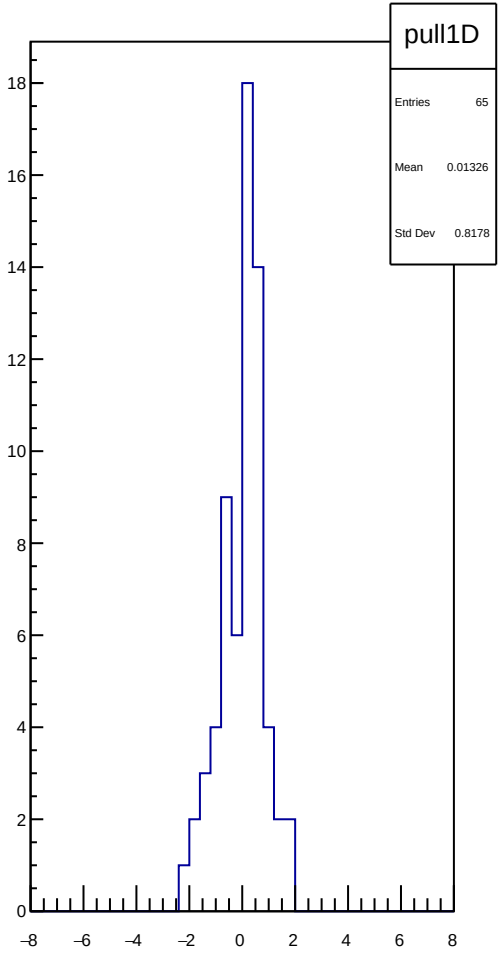

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 536.4 / 64
p0 2247 ± 1.959
2400
2350
2300
2250
2200
2150

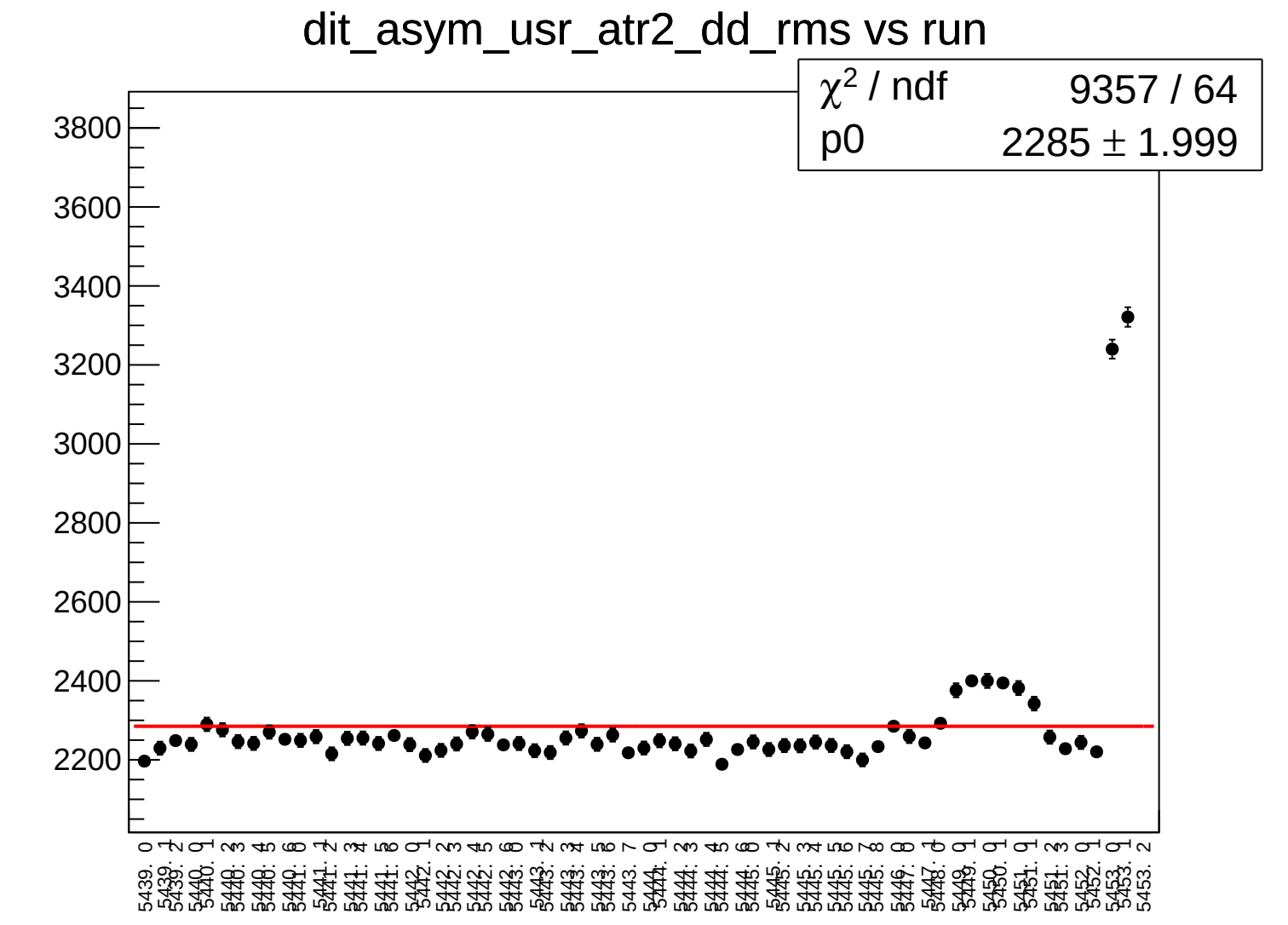

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.02 / 64
p0 665.6 ± 5469
pull
Entries 65
Mean −3.09
Std Dev 0

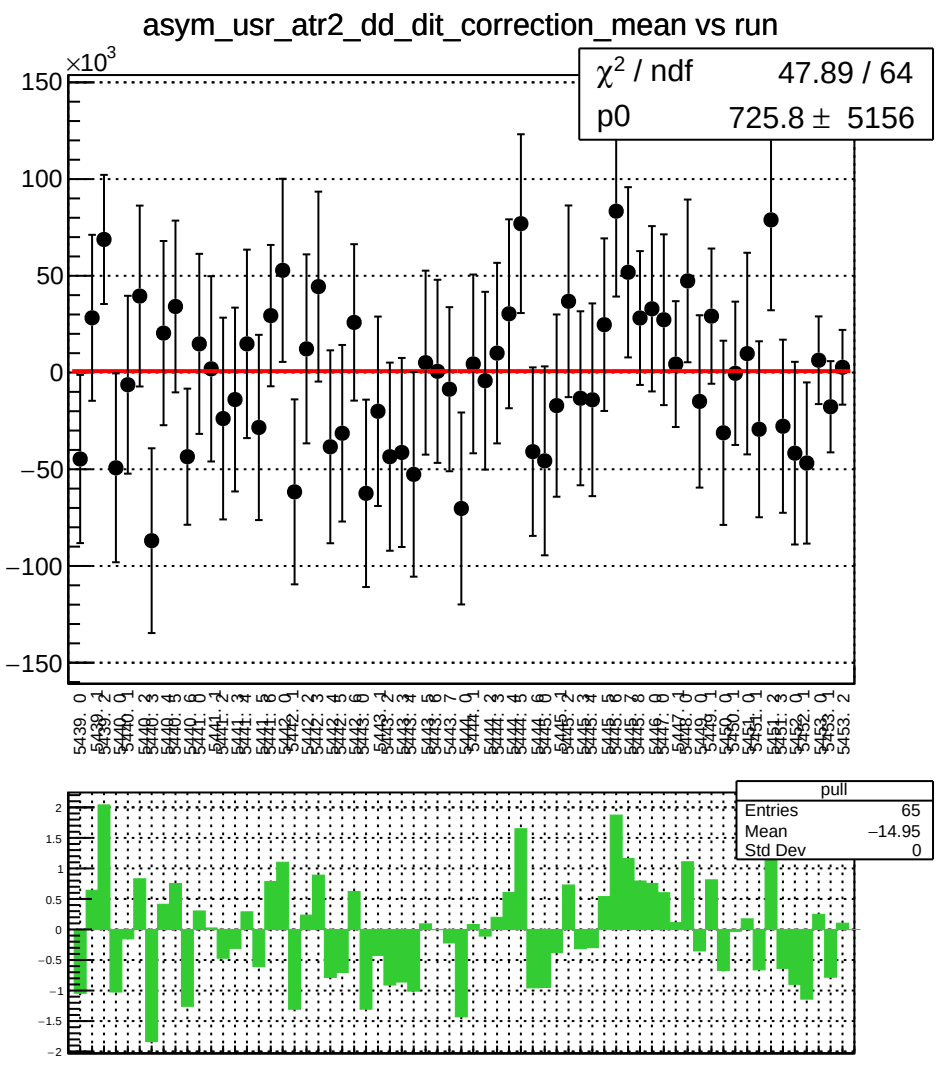

pull1D
Entries 65
Mean −0.02921
Std Dev 0.868

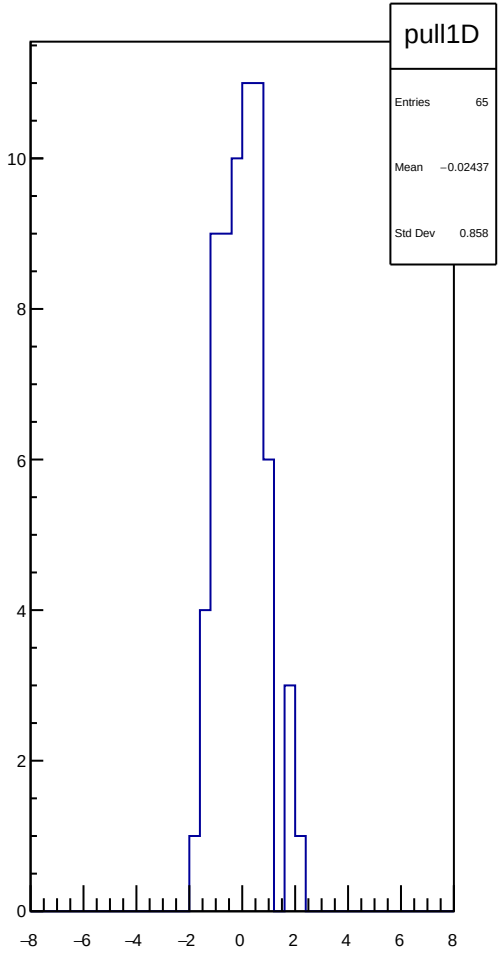

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4207 / 64
p0 4429 ± 3.867
5600
5400
5200
5000
4800
4600
4400
4200
4000

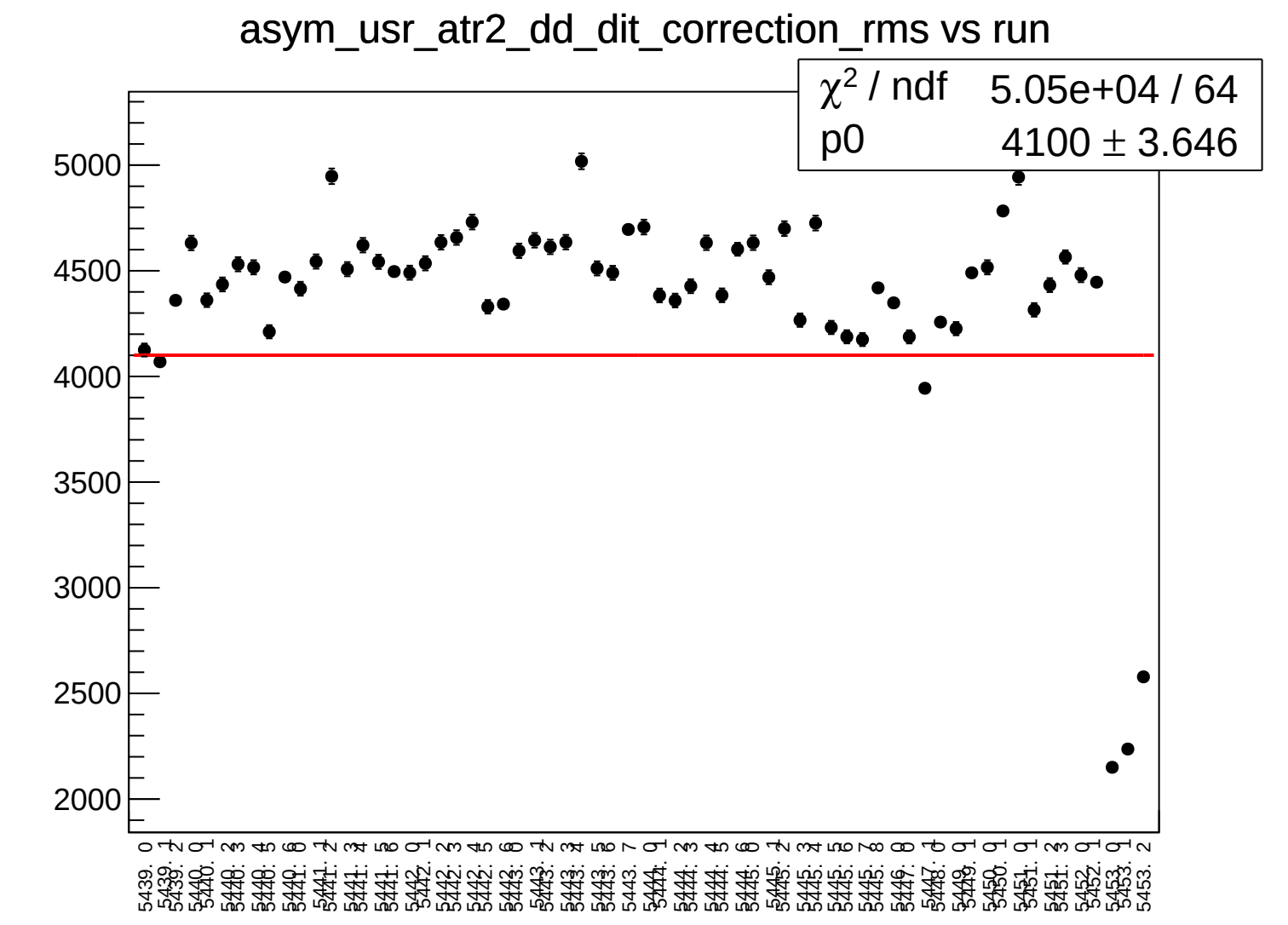

dit_asym_usr_atr2_dd_mean vs run
χ^2 / ndf 43.49 / 64
p0 5696 ± 2828
pull
Entries 65
Mean 220.7
Std Dev 0

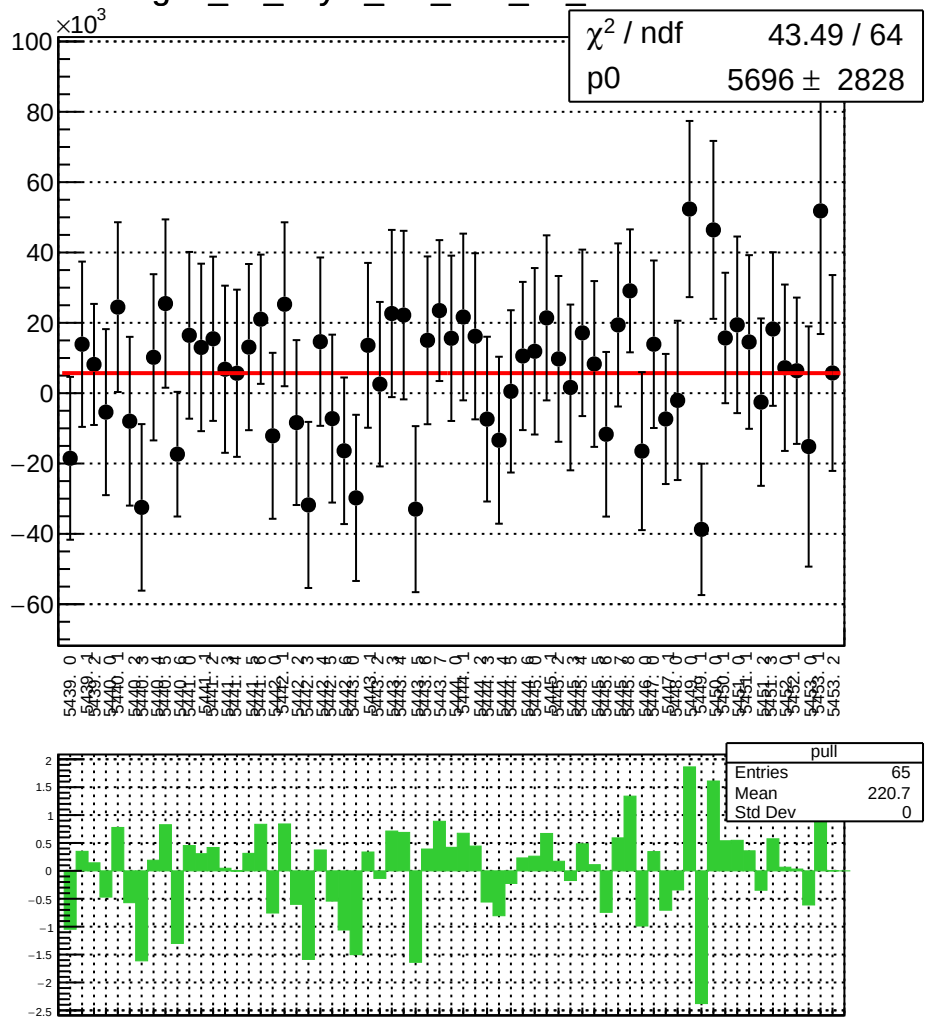

pull1D
Entries 65
Mean 0.01326
Std Dev 0.8178

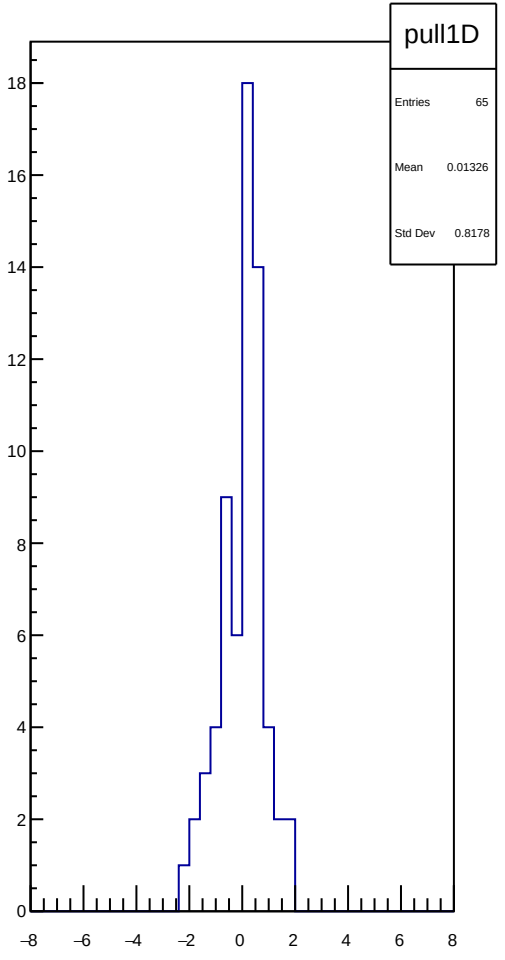

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 9357 / 64
p0 2285 ± 1.999
3800
3600
3400
3200
3000
2800
2600
2400
2200

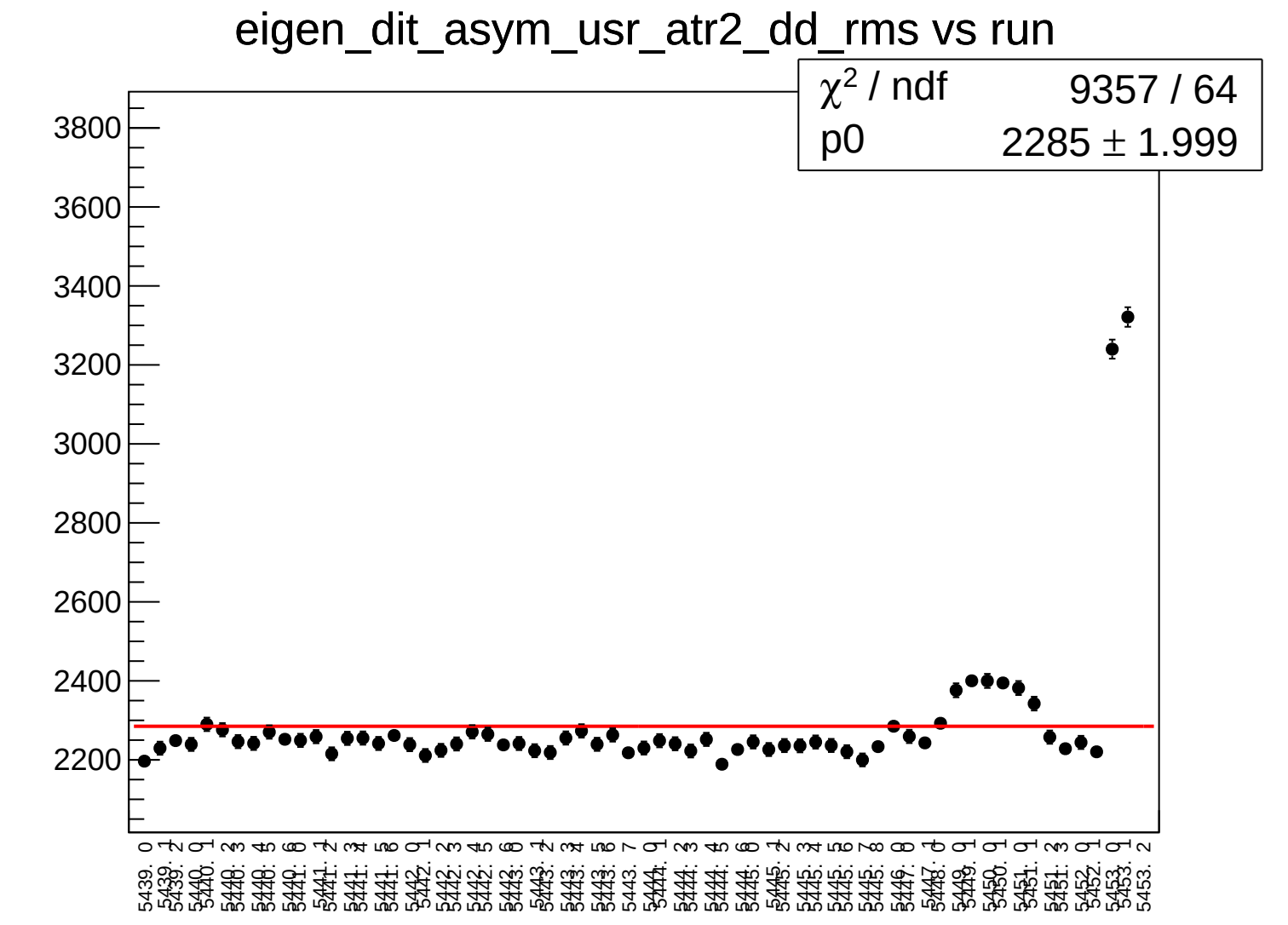

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 47.89 / 64
p0 725.8 ± 5156
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −14.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

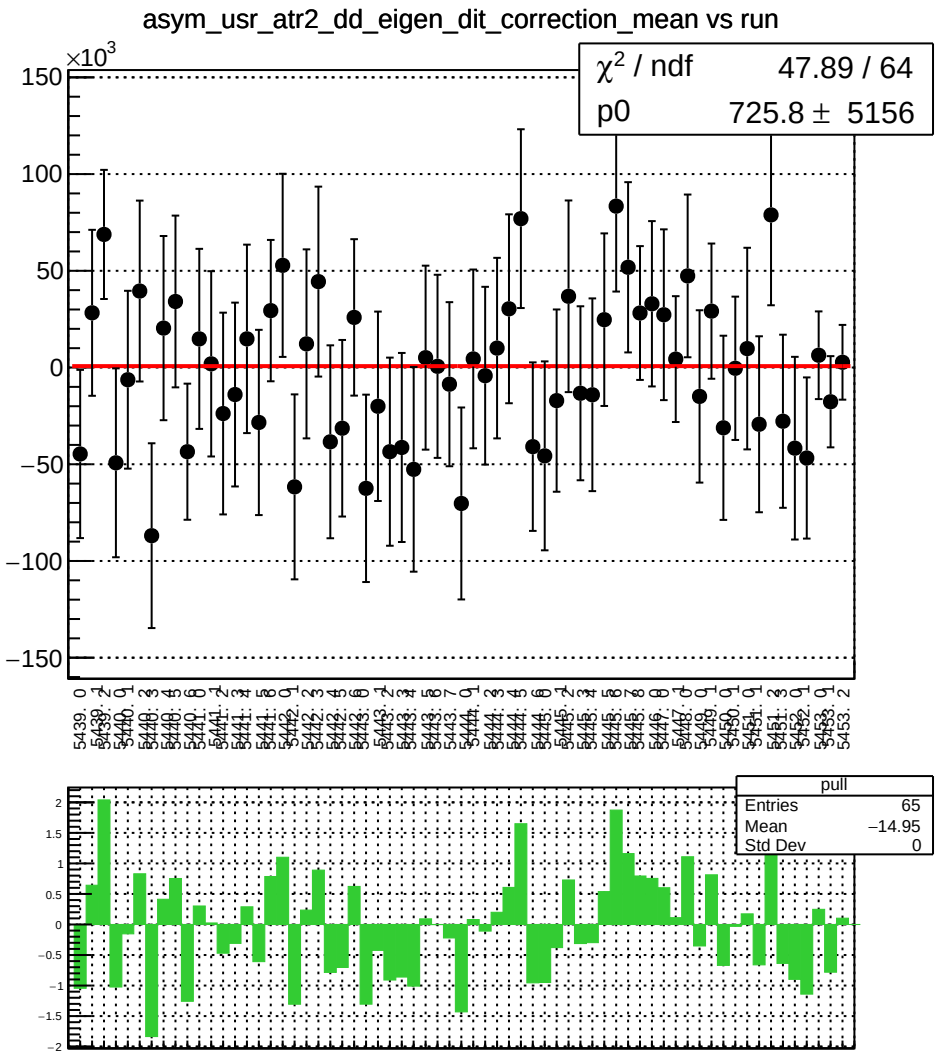

pull1D
Entries 65
Mean −0.02437
Std Dev 0.858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

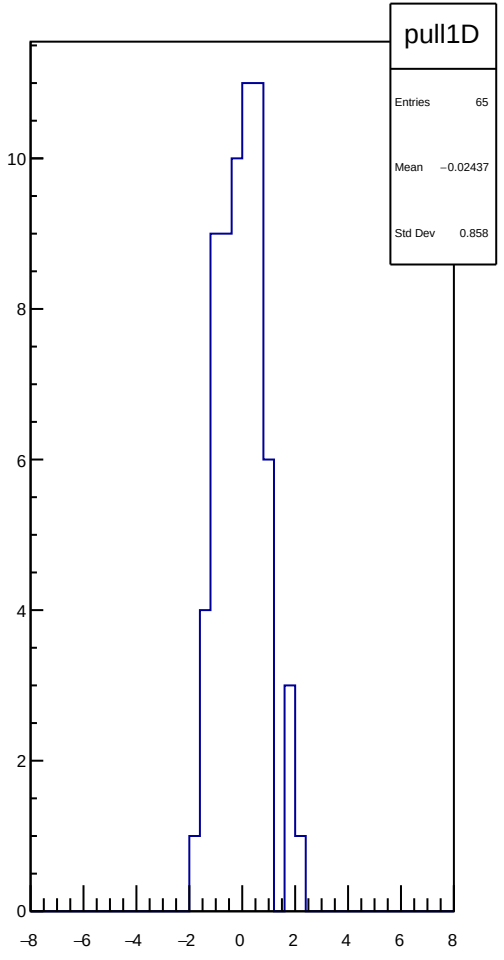

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 5.05e+04 / 64
p0 4100 ± 3.646
5000
4500
4000
3500
3000
2500
2000

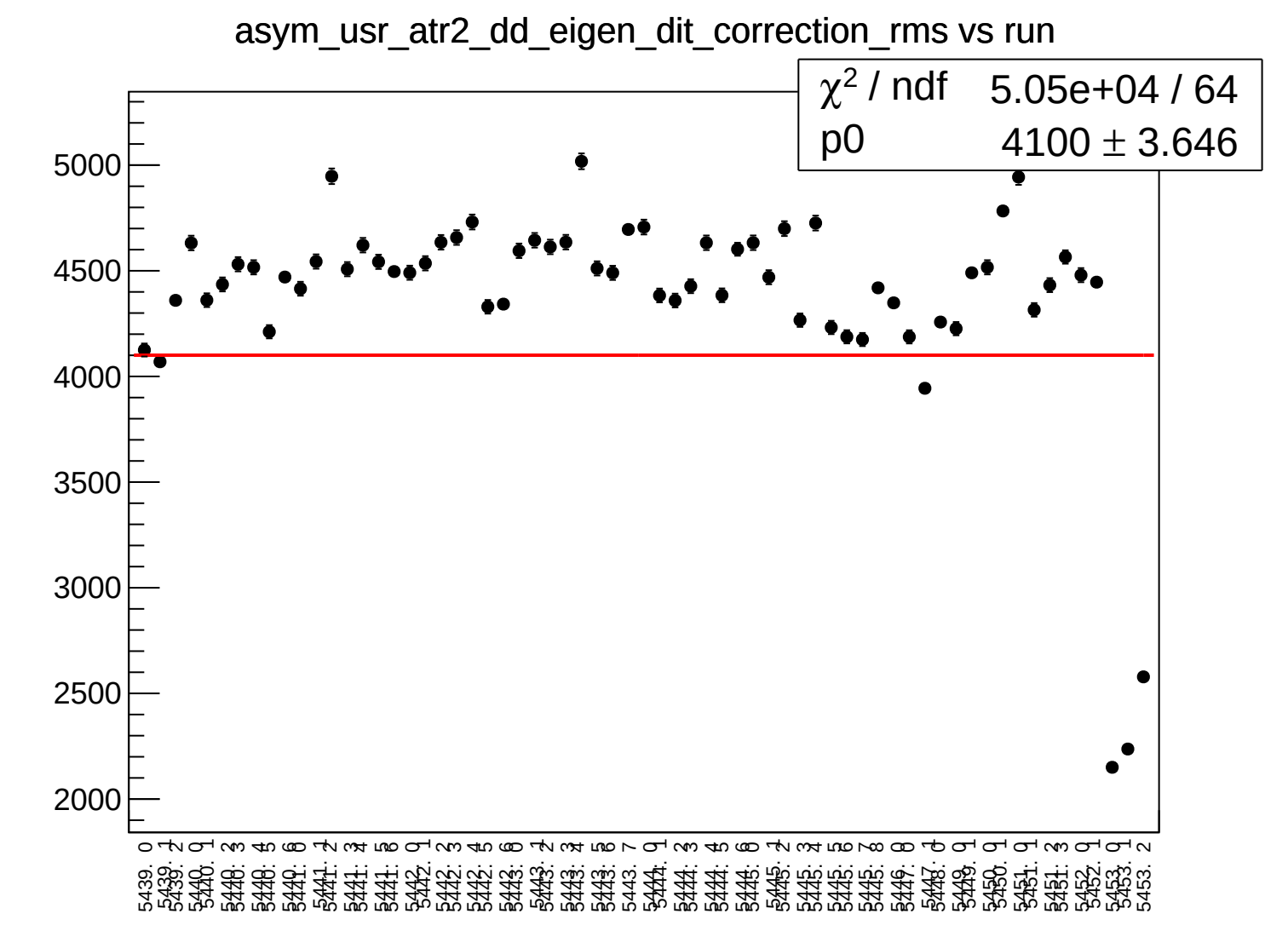

eigen_dit_asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 43.49 / 64
p0 5696 ± 2828
pull
Entries 65
Mean 220.7
Std Dev 0

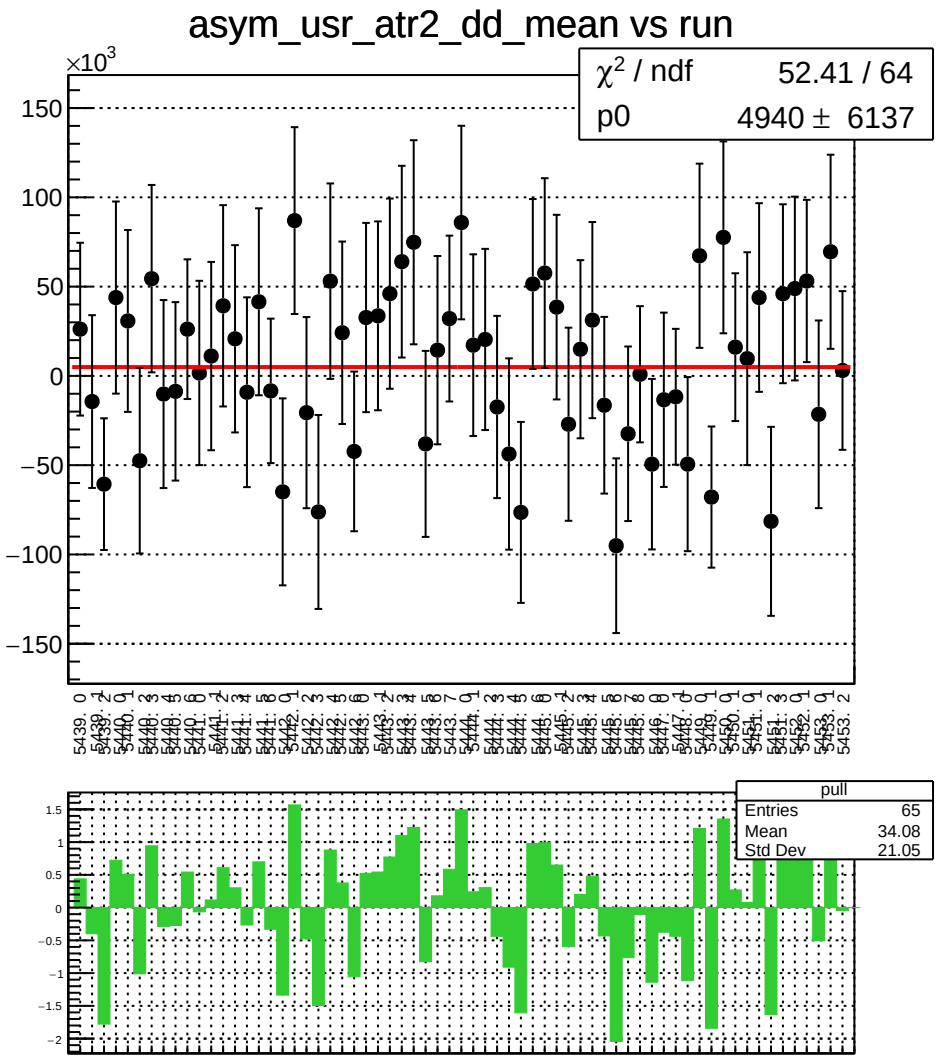

pull1D
Entries 65
Mean 0.01326
Std Dev 0.8178

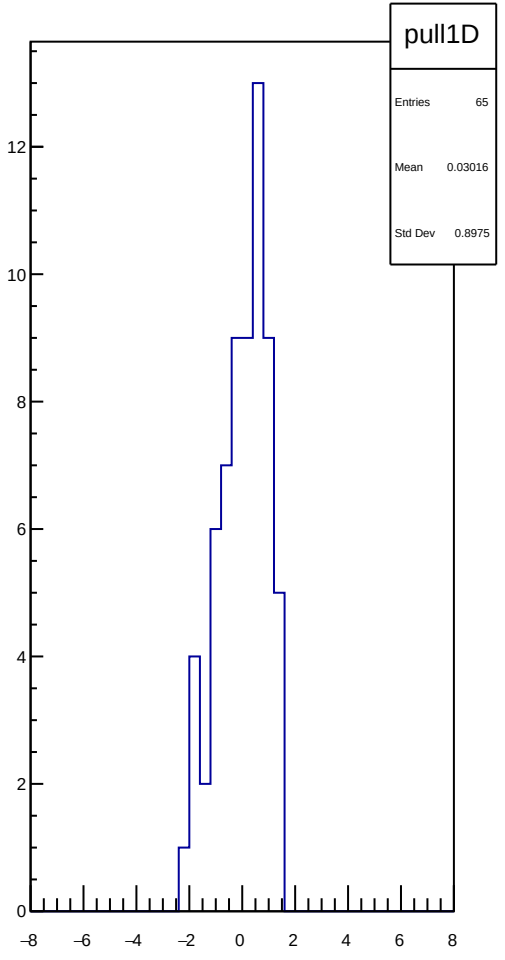

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 9357 / 64
p0 2285 ± 1.999
3800
3600
3400
3200
3000
2800
2600
2400
2200

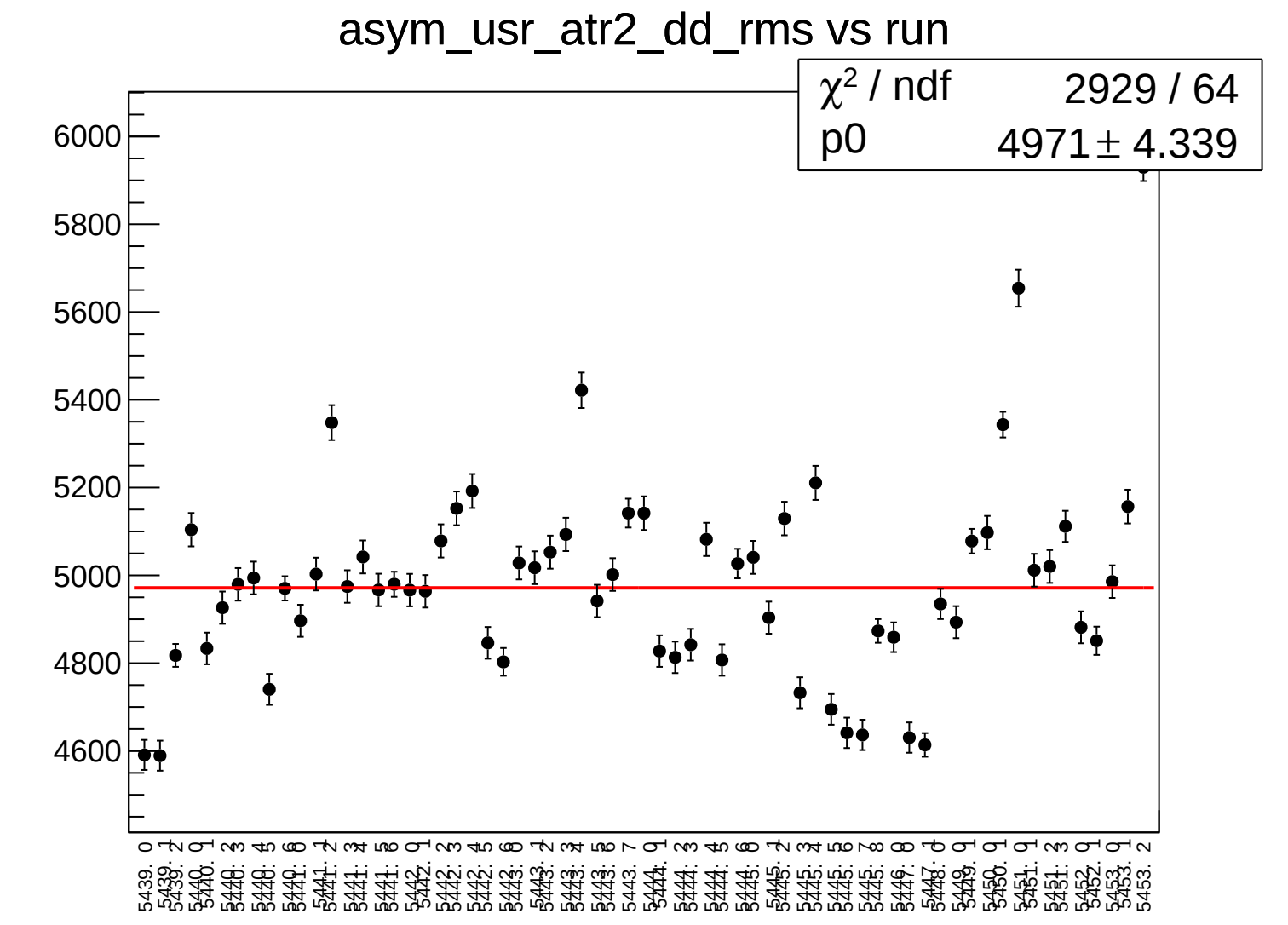

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.89 / 64
p0 725.8 ± 5156
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −14.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

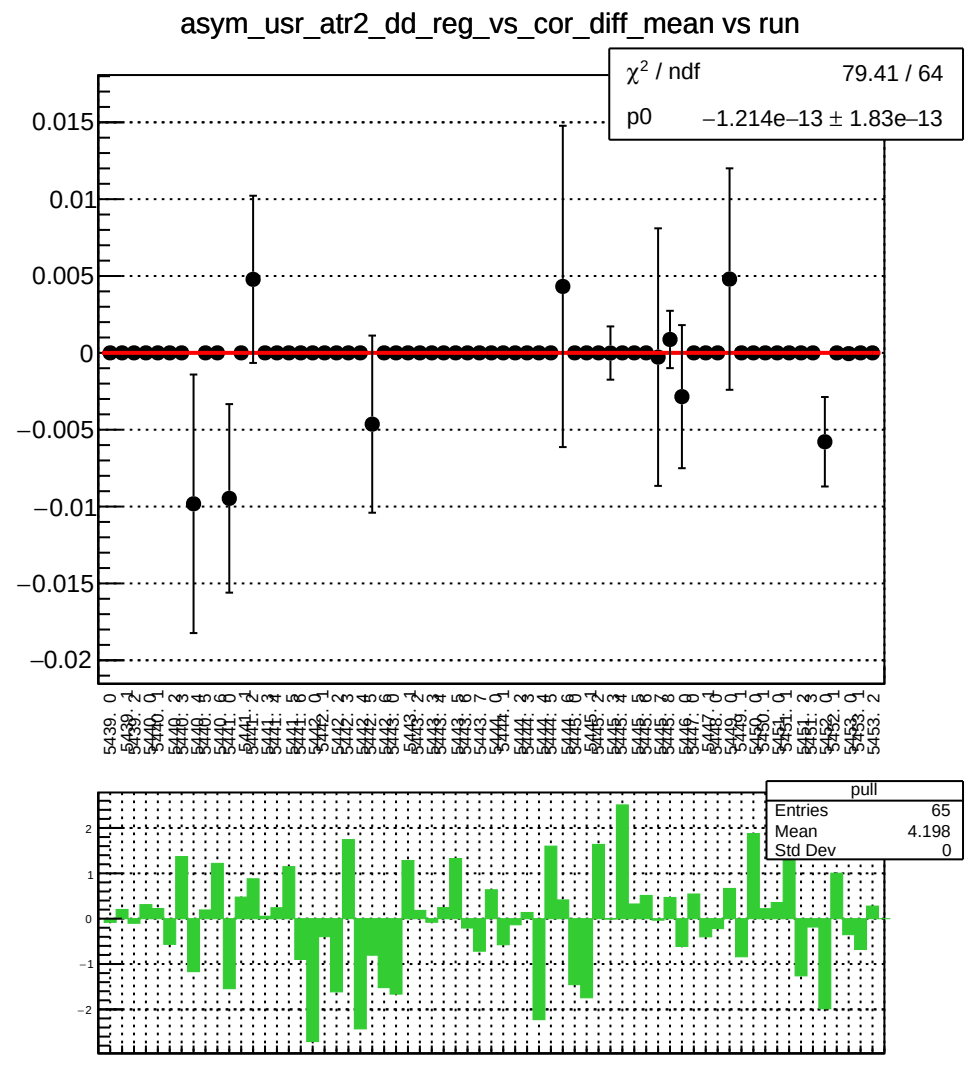

pull1D
Entries 65
Mean −0.02437
Std Dev 0.858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

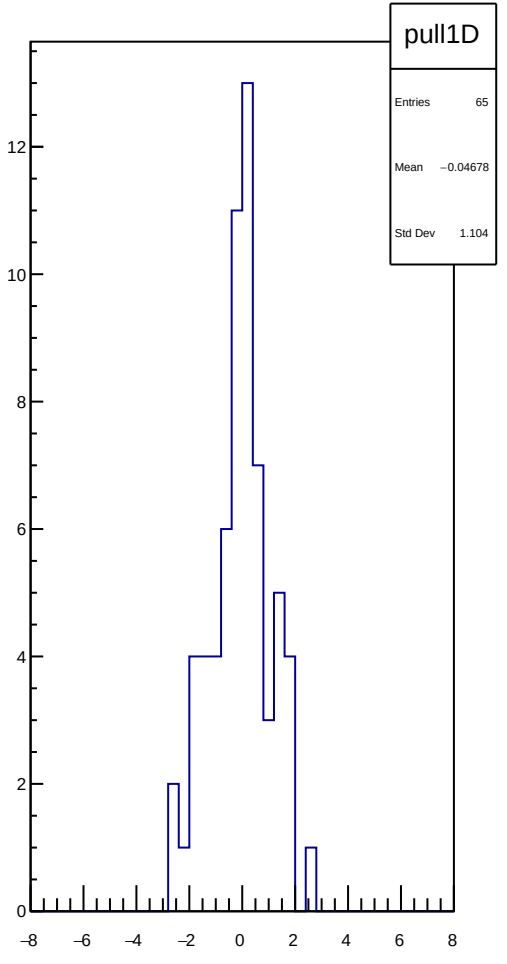

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.05e+04 / 64
p0 4100 ± 3.646
5000
4500
4000
3500
3000
2500
2000

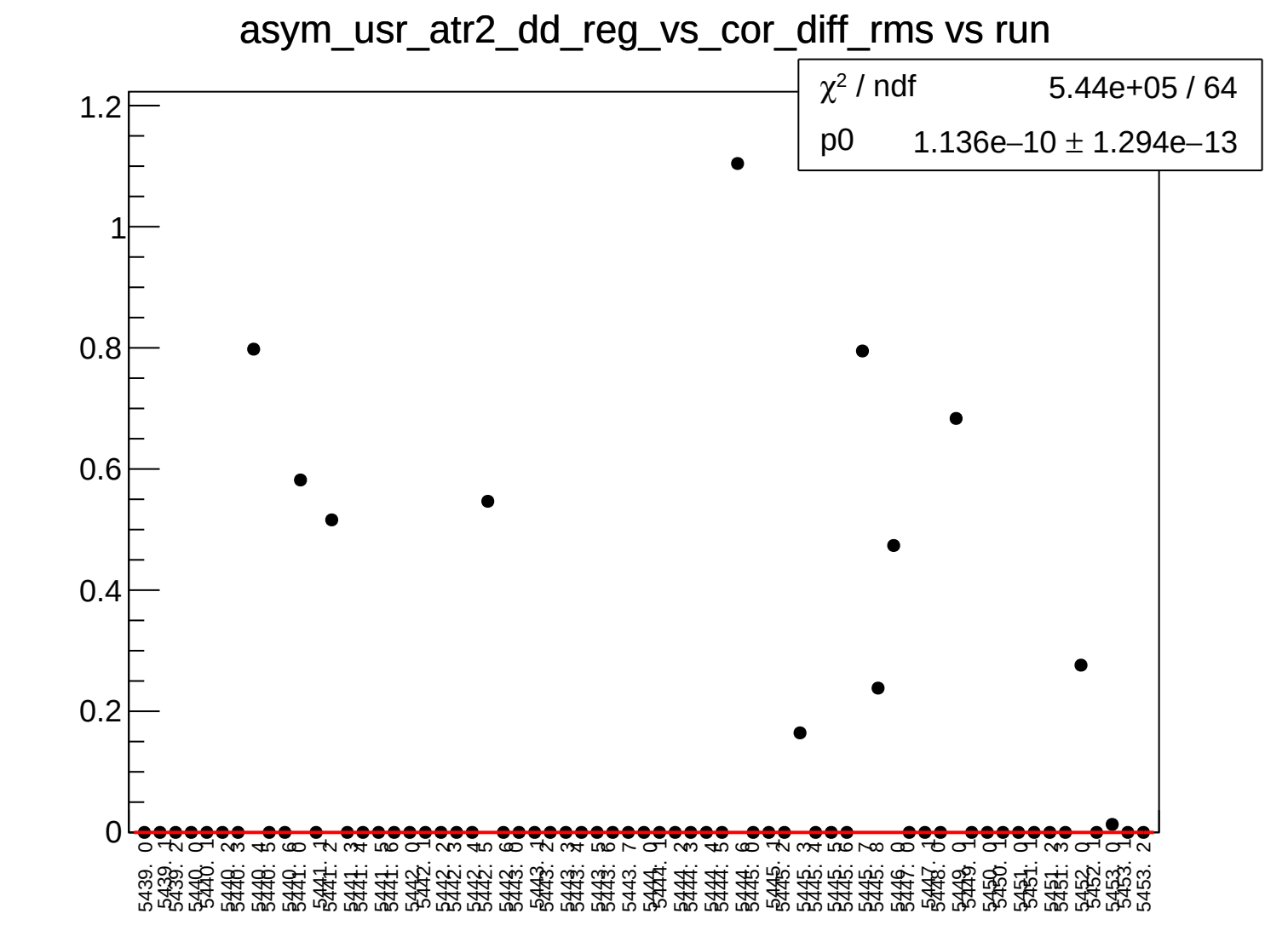

asym_usr_atr2_dd_mean vs run
×10^3
χ^2 / ndf 52.41 / 64
p0 4940 ± 6137
pull
Entries 65
Mean 34.08
Std Dev 21.05

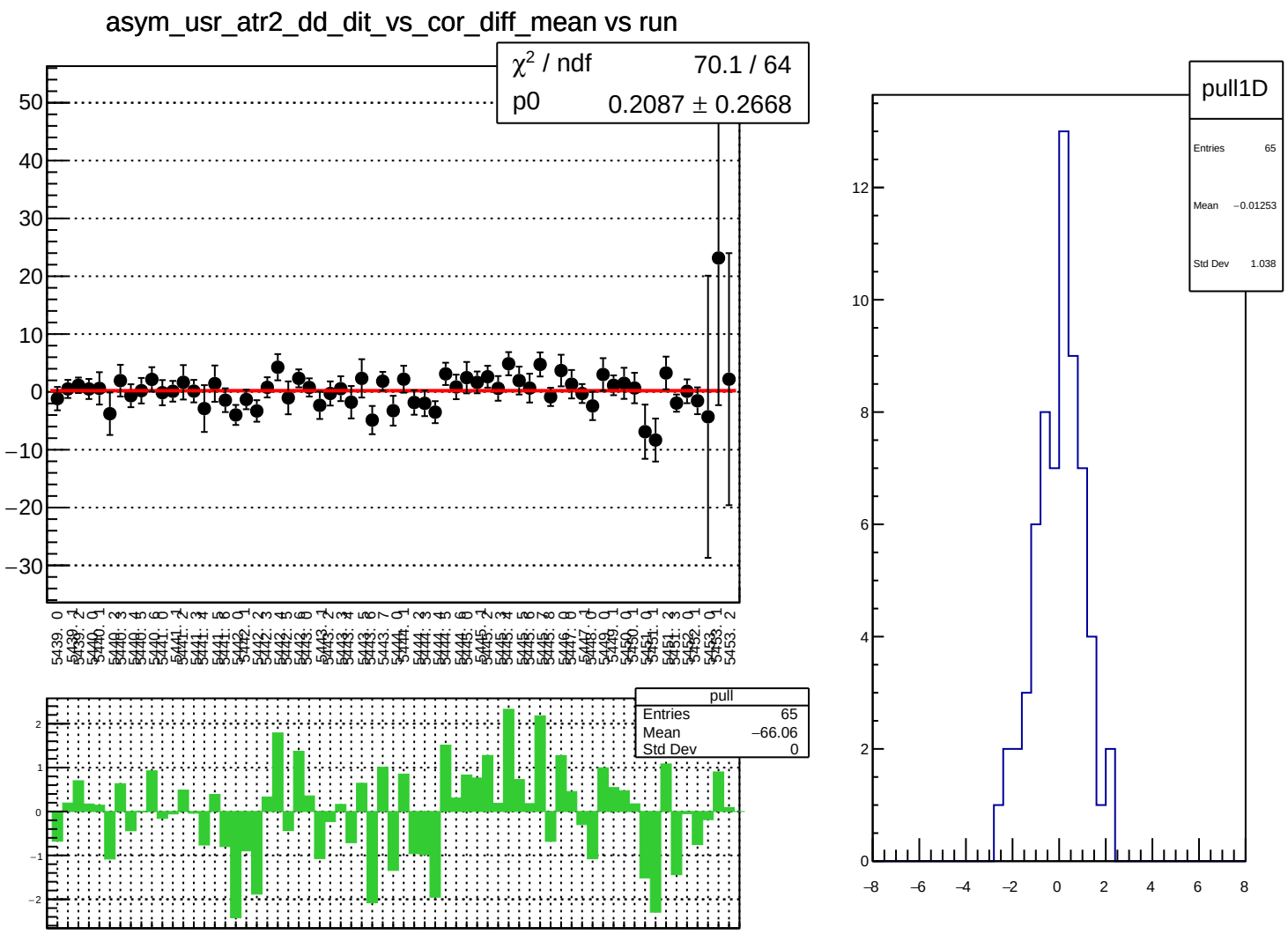

pull1D
Entries 65
Mean 0.03016
Std Dev 0.8975

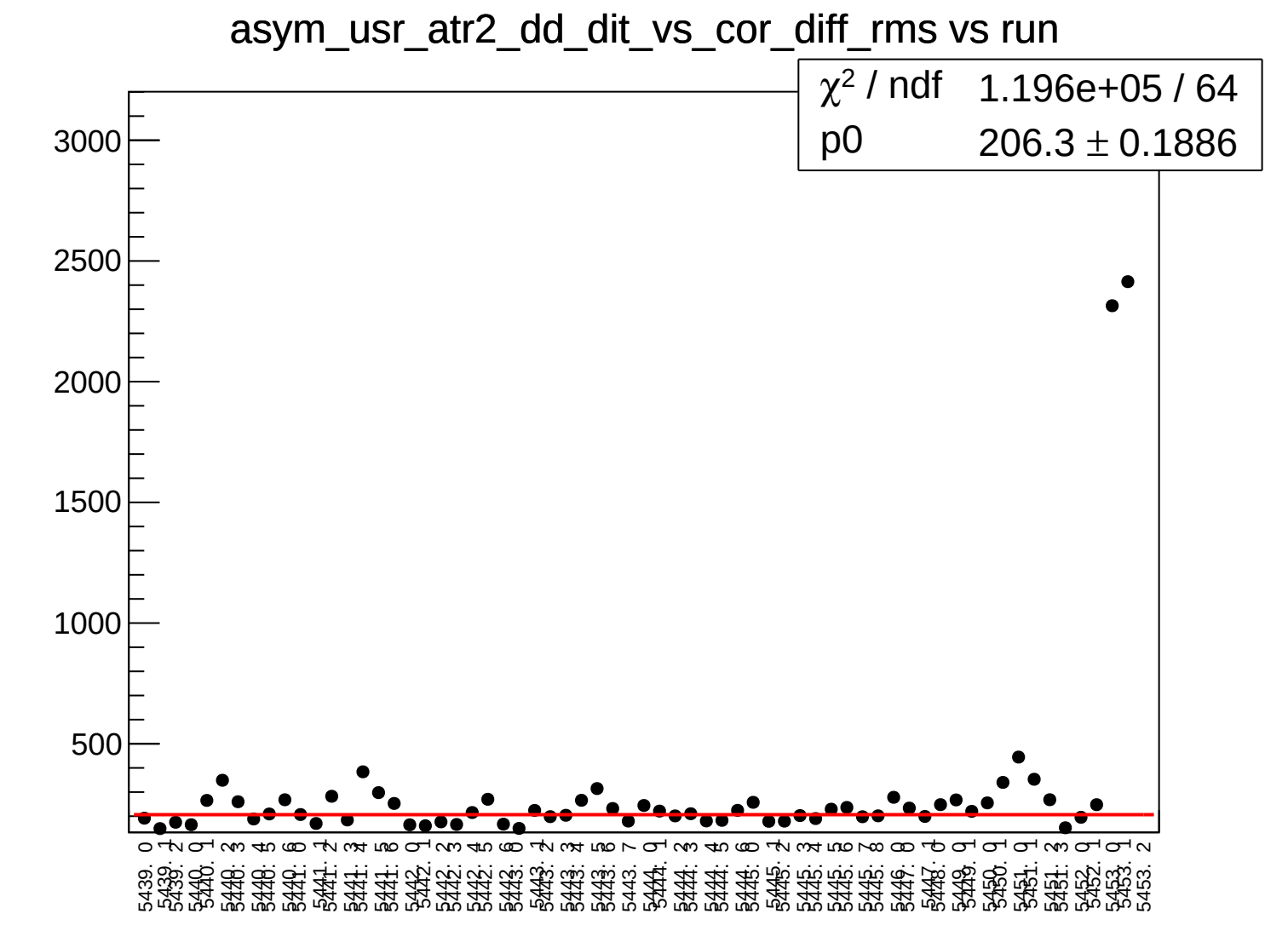

asym_usr_atr2_dd_rms vs run
χ² / ndf 2929 / 64
p0 4971 ± 4.339
6000
5800
5600
5400
5200
5000
4800
4600

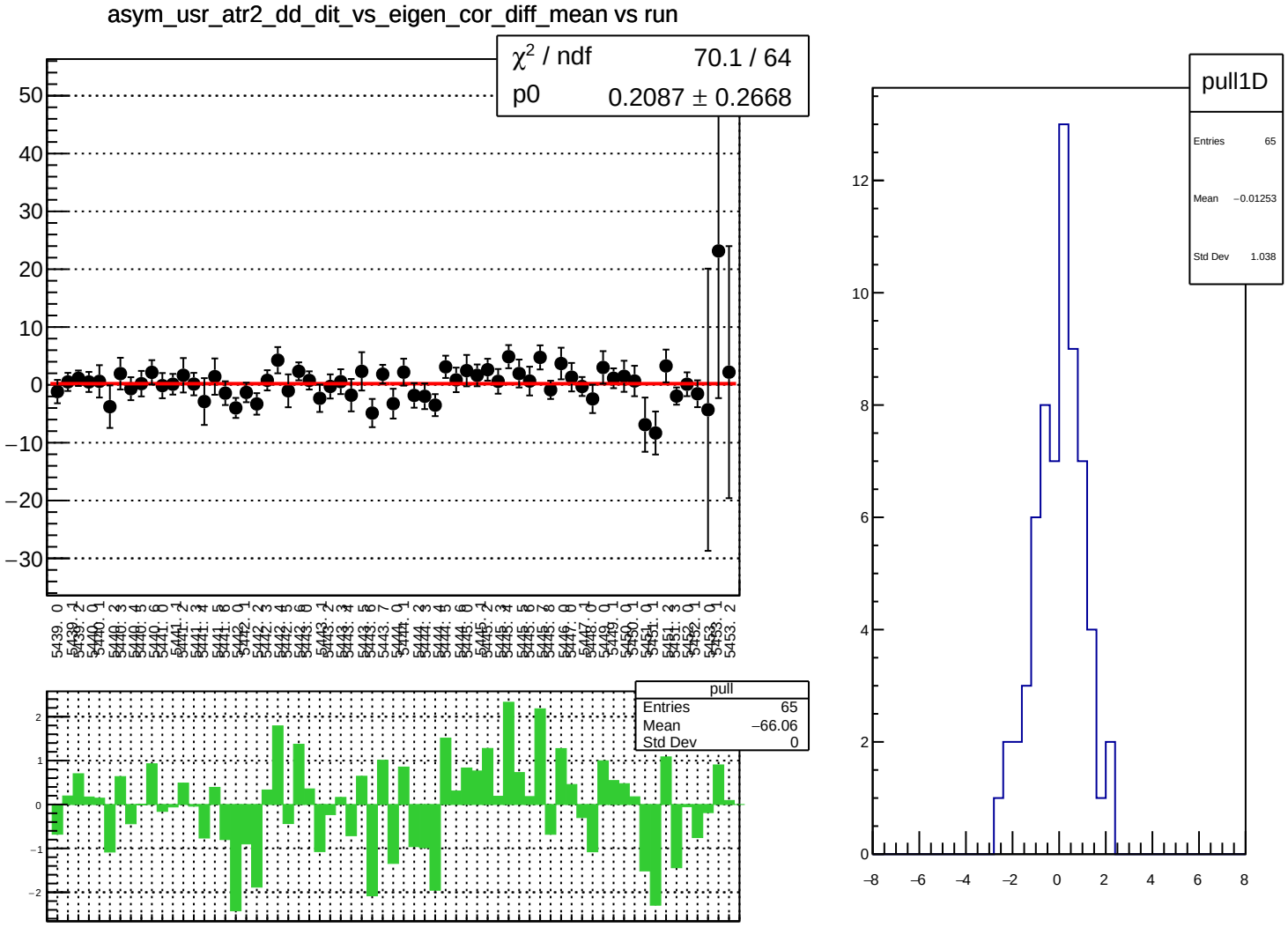

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 79.41 / 64
p0 −1.214e−13 ± 1.83e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 65
Mean 4.198
Std Dev 0
2
1
0
−1
−2

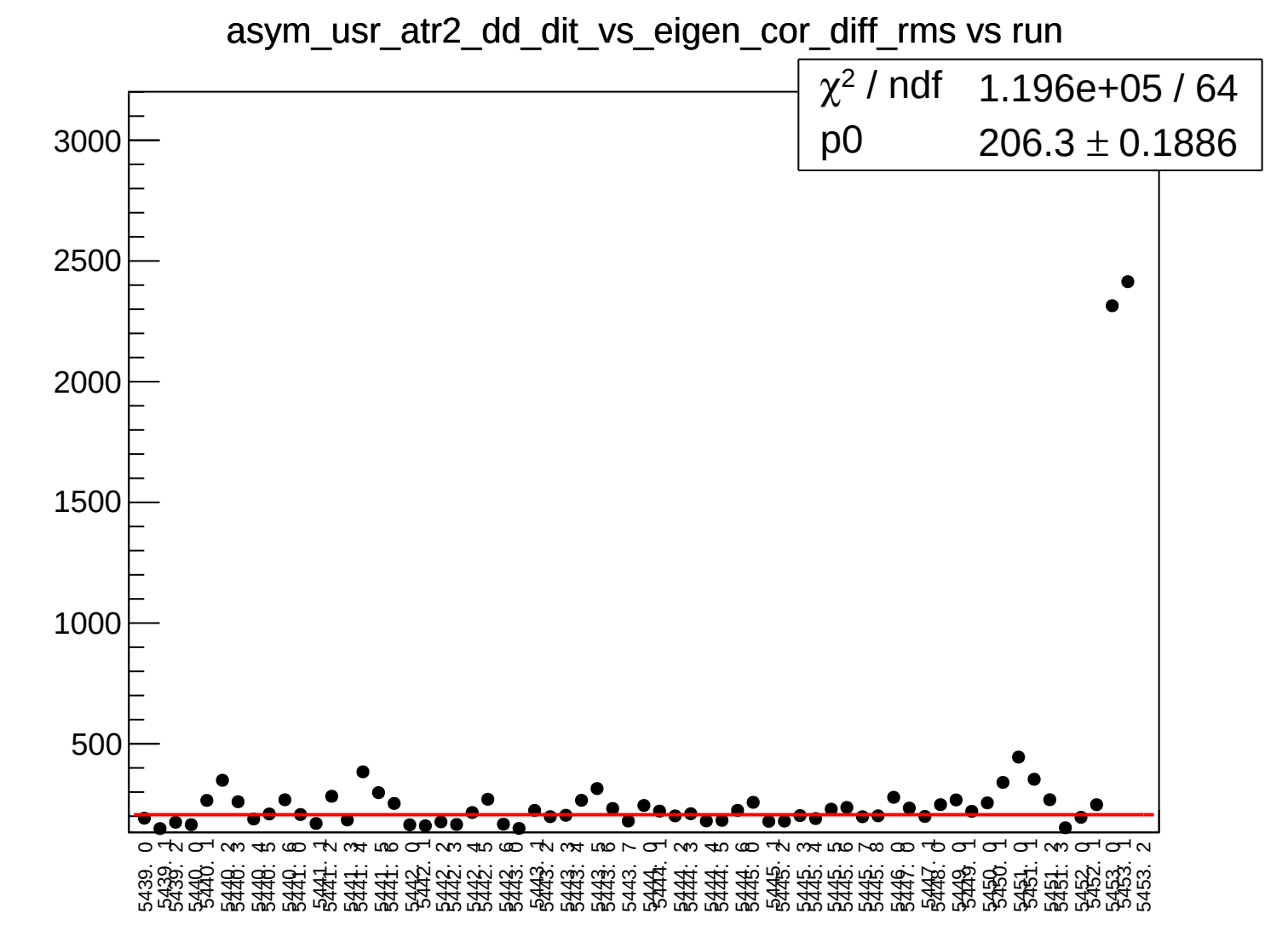

pull1D
Entries 65
Mean −0.04678
Std Dev 1.104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

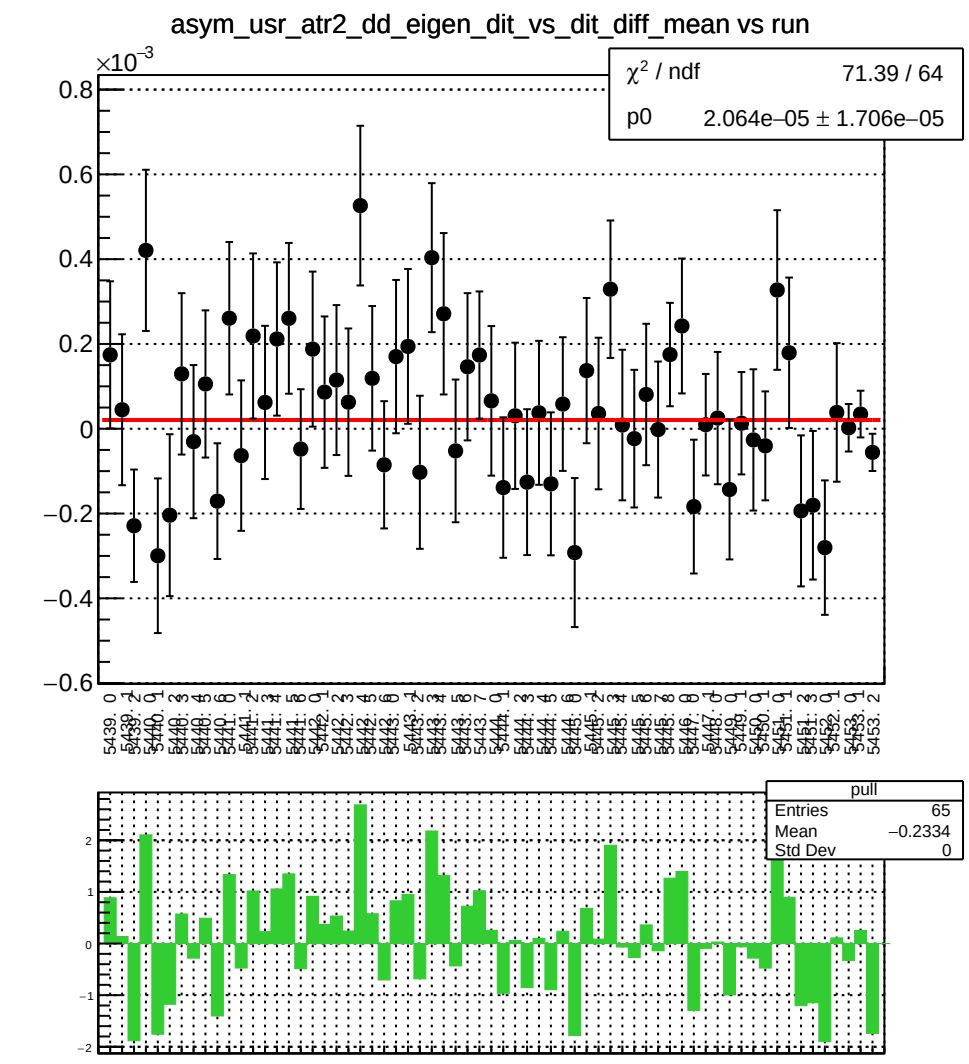

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.44e+05 / 64
p0 1.136e−10 ± 1.294e−13
1.2
1
0.8
0.6
0.4
0.2
0

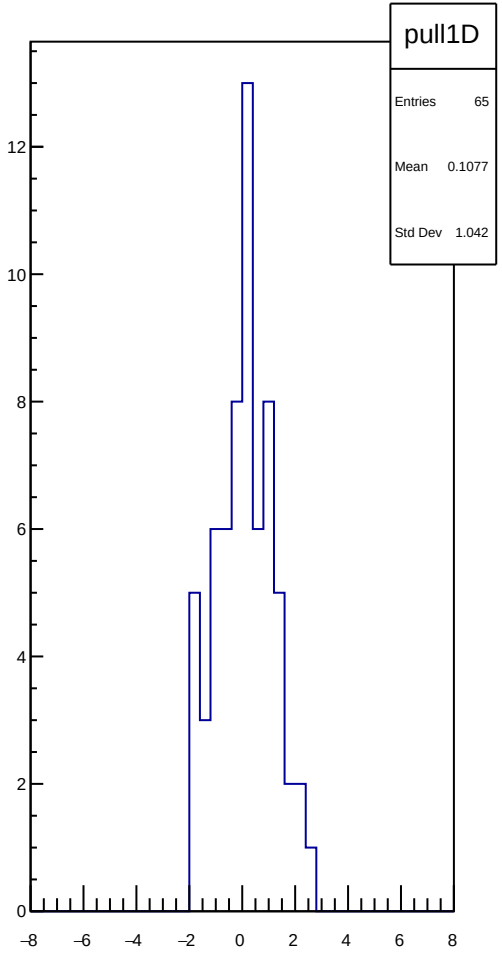

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.1 / 64
p0 0.2087 ± 0.2668
pull
Entries 65
Mean −66.06
Std Dev 0
pull1D
Entries 65
Mean −0.01253
Std Dev 1.038

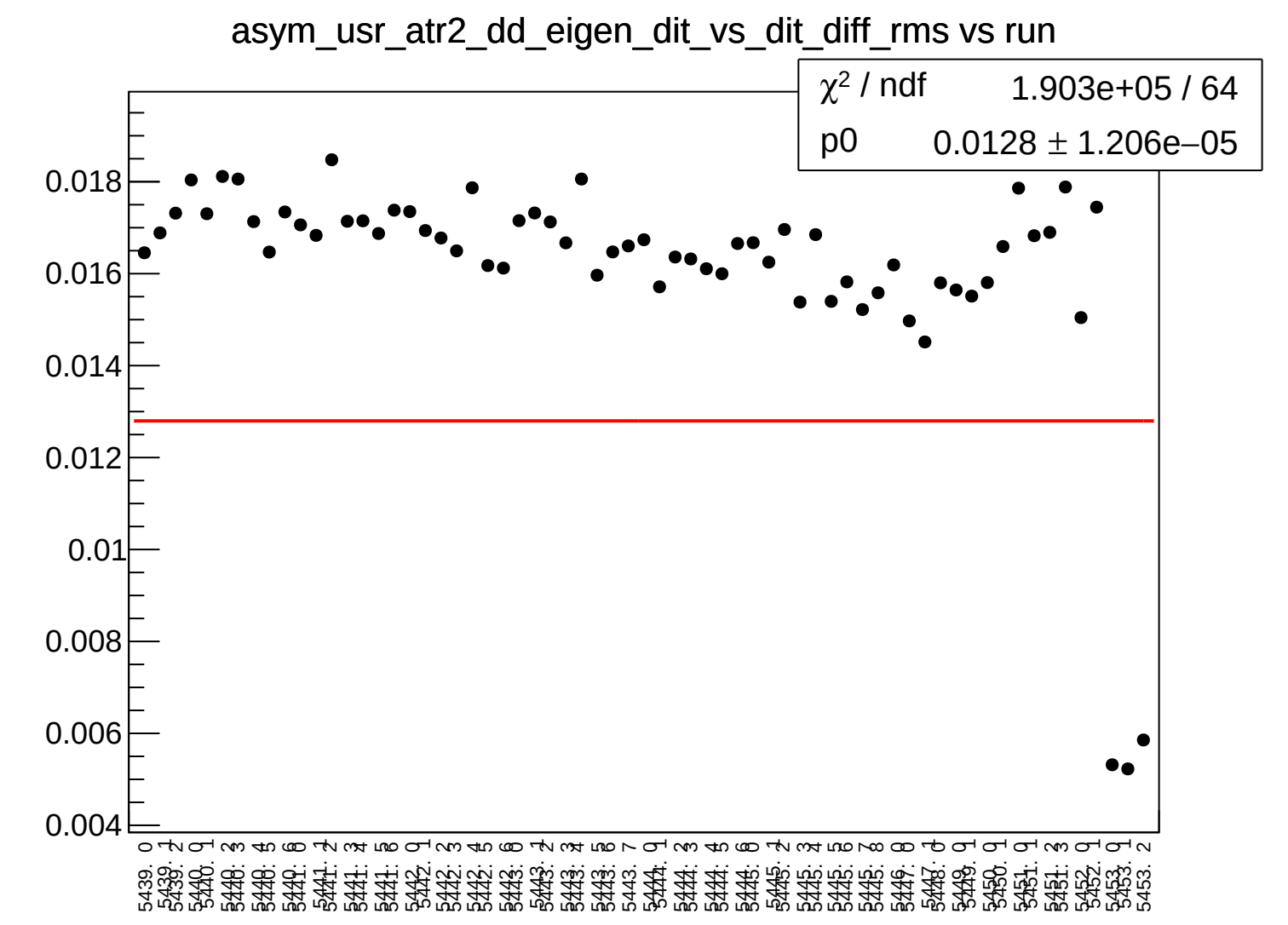

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.196e+05 / 64
p0 206.3 ± 0.1886
3000
2500
2000
1500
1000
500

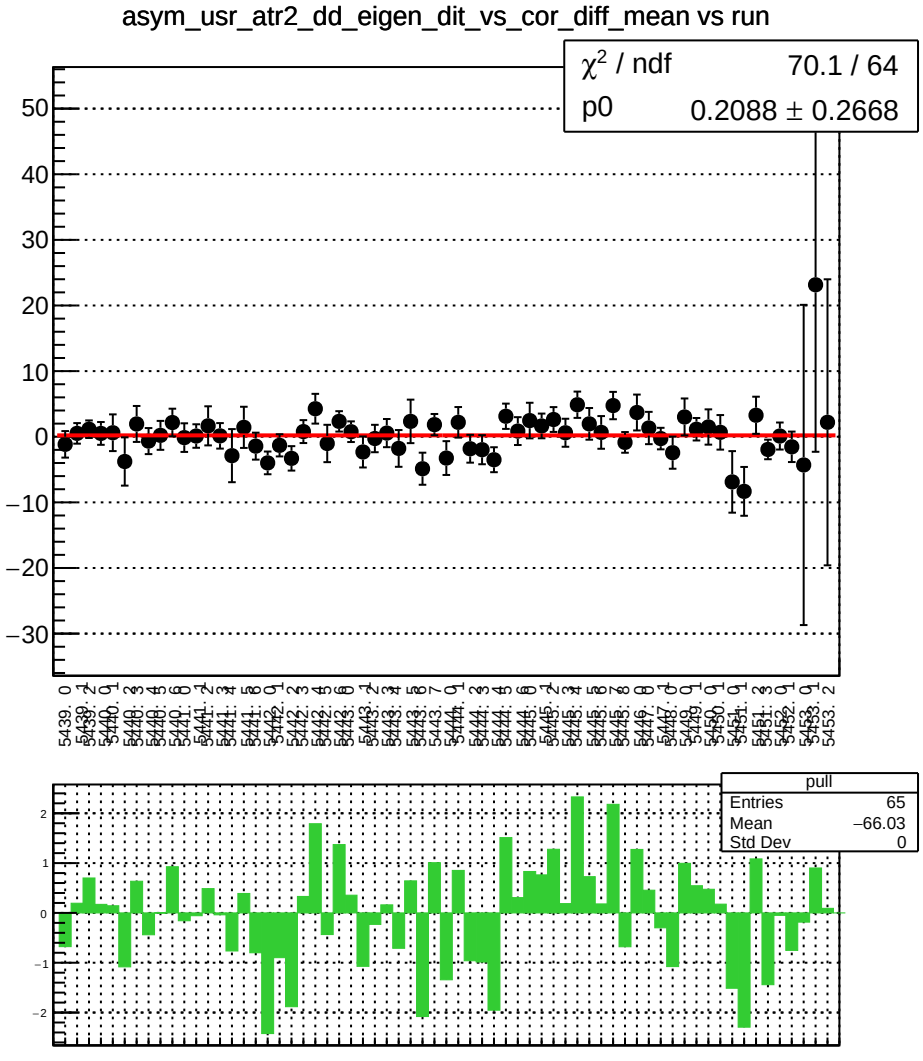

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.1 / 64
p0 0.2087 ± 0.2668
pull
Entries 65
Mean −66.06
Std Dev 0
pull1D
Entries 65
Mean −0.01253
Std Dev 1.038

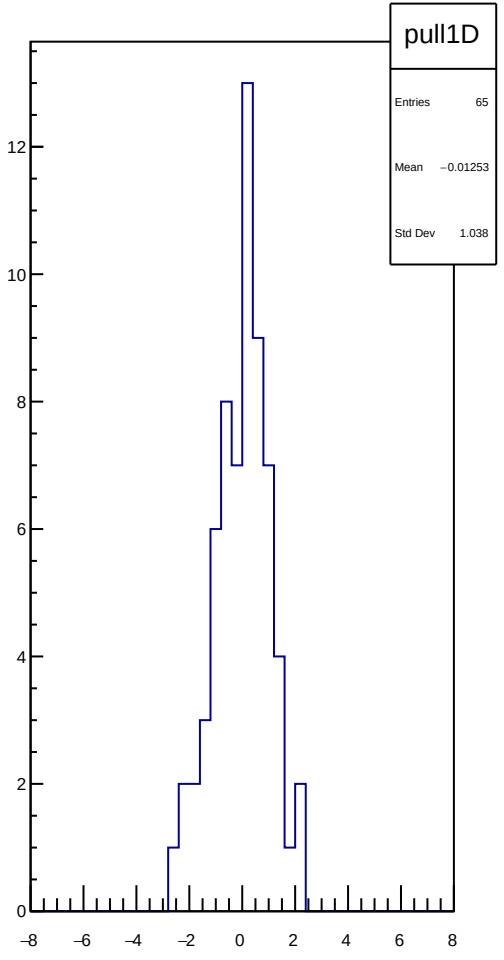

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.196e+05 / 64
p0 206.3 ± 0.1886
3000
2500
2000
1500
1000
500

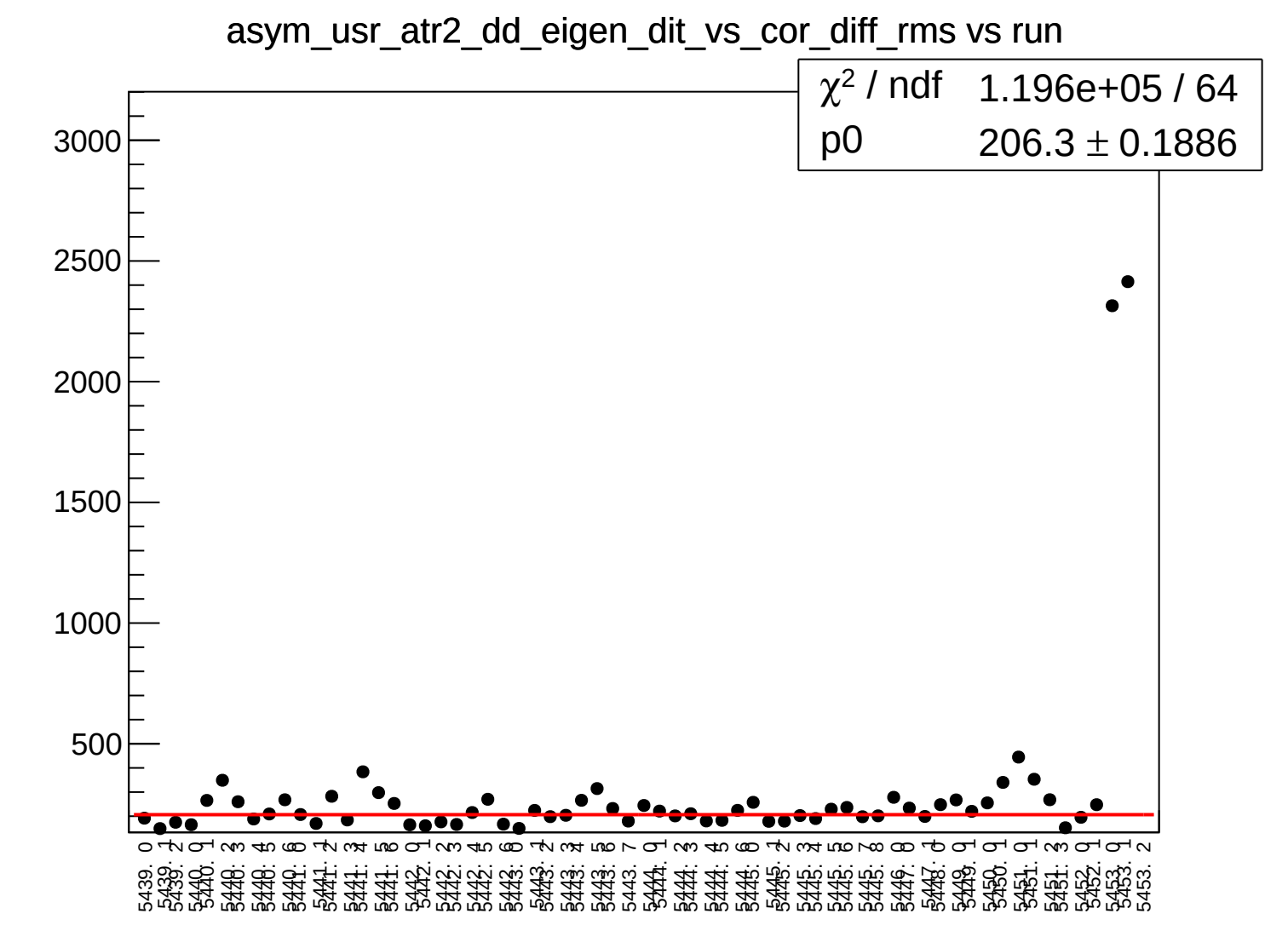

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.39 / 64
p0 2.064e−05 ± 1.706e−05
pull
Entries 65
Mean −0.2334
Std Dev 0

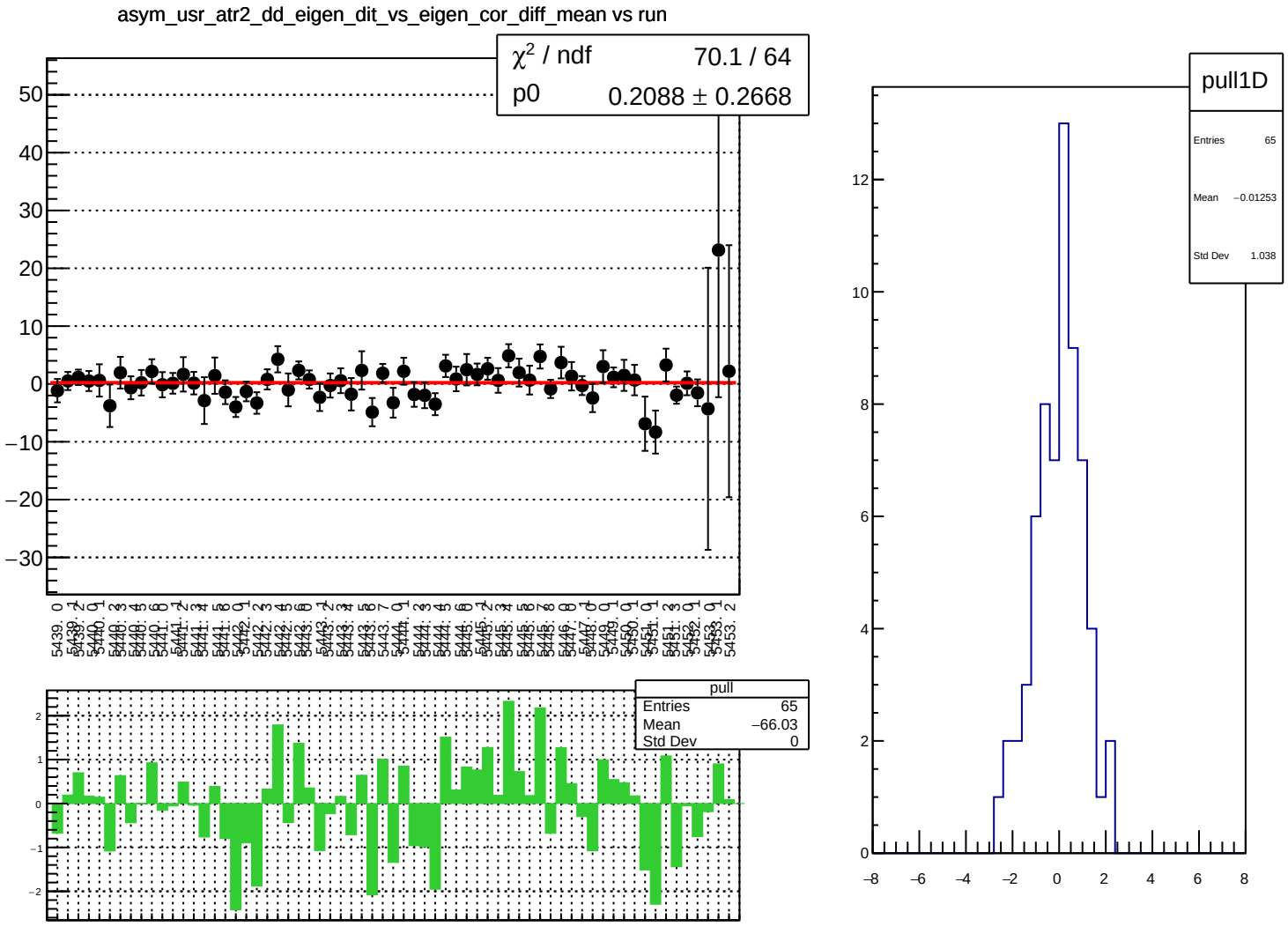

pull1D
Entries 65
Mean 0.1077
Std Dev 1.042

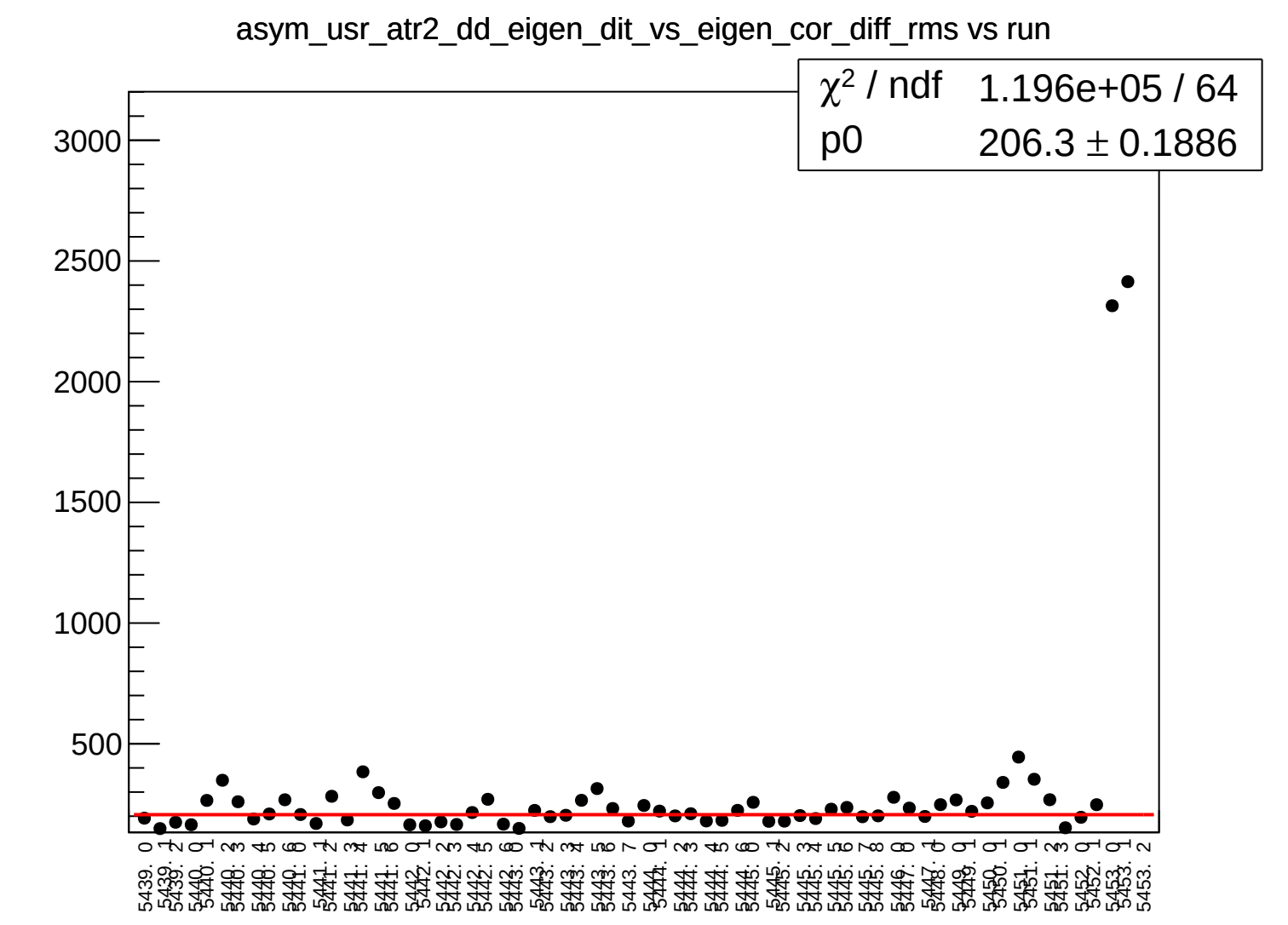

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.903e+05 / 64
p0 0.0128 ± 1.206e−05
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

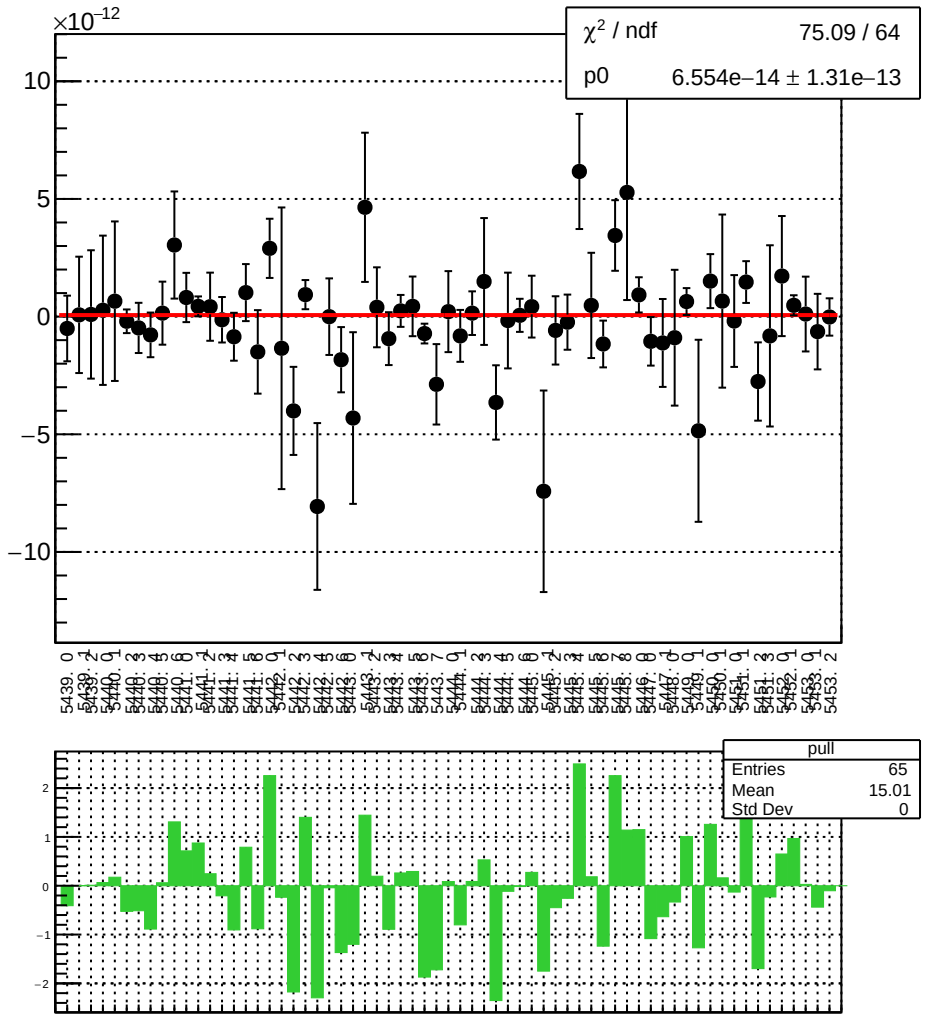

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.1 / 64
p0 0.2088 ± 0.2668
pull
Entries 65
Mean −66.03
Std Dev 0

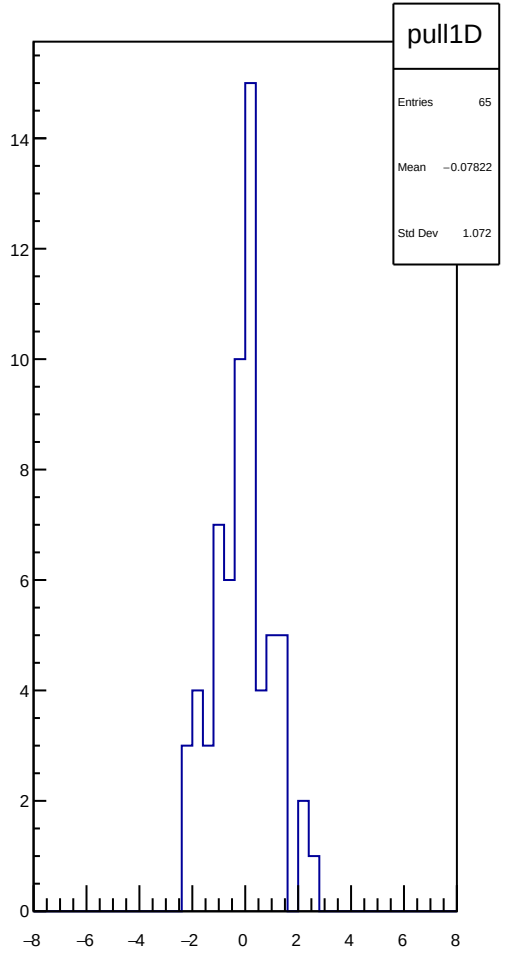

pull1D
Entries 65
Mean −0.01253
Std Dev 1.038

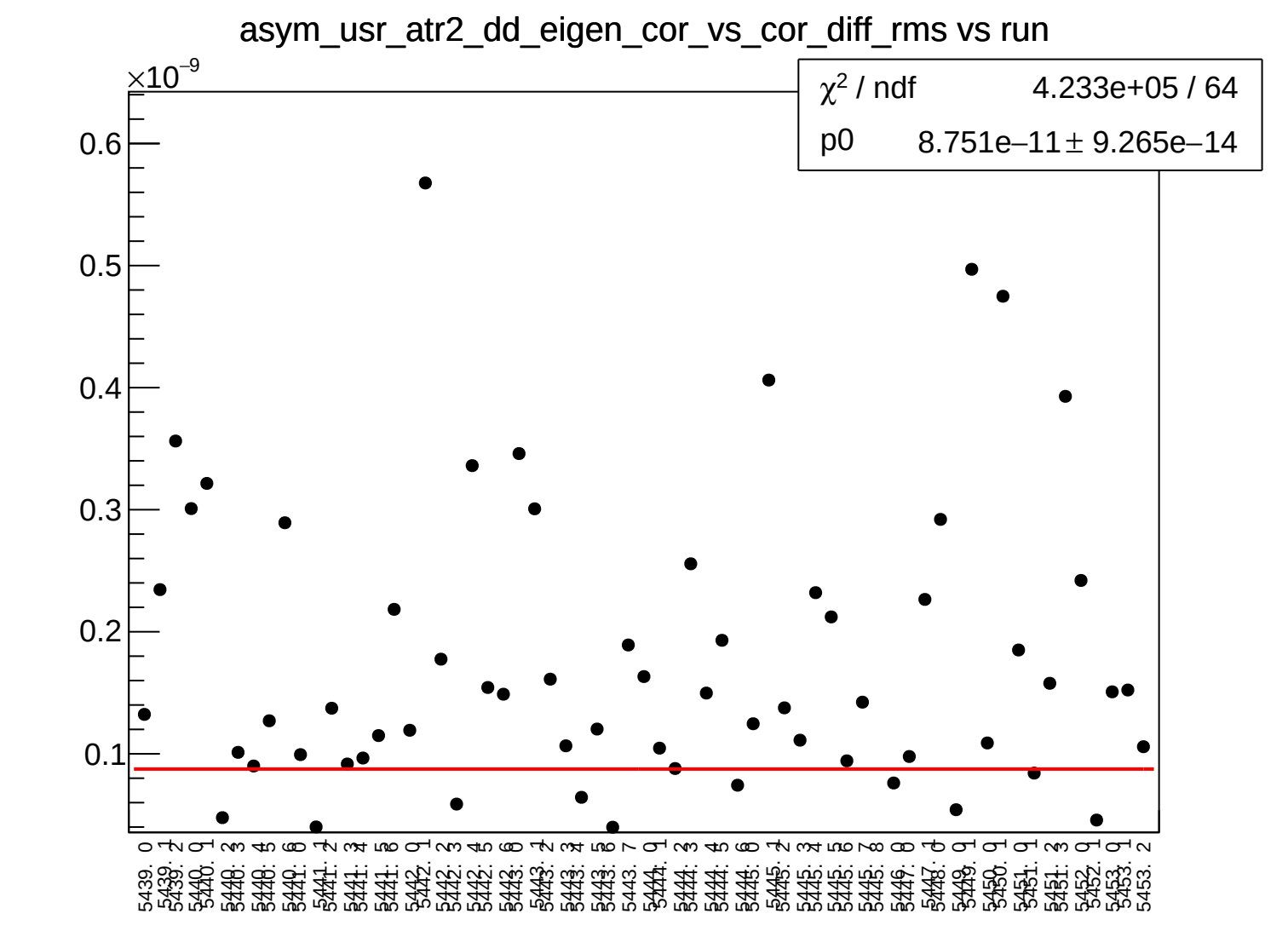

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.196e+05 / 64
p0 206.3 ± 0.1886
3000
2500
2000
1500
1000
500

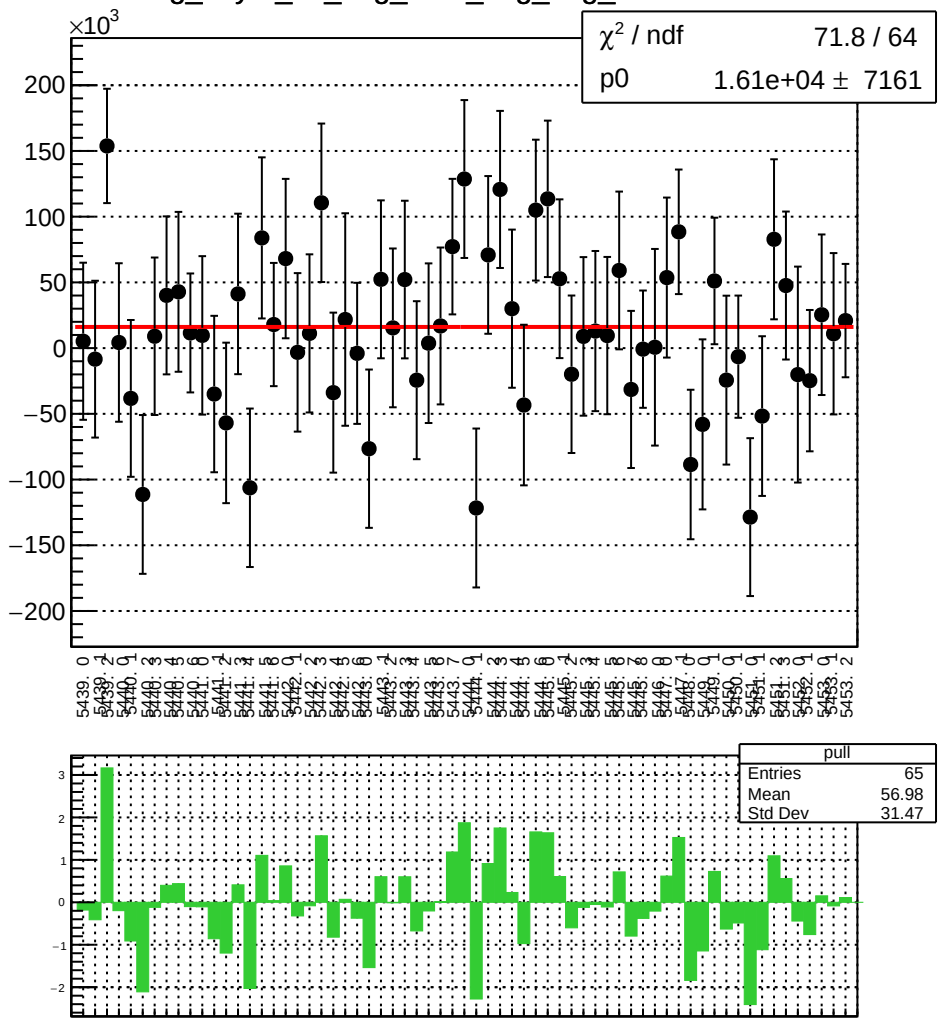

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.1 / 64
p0 0.2088 ± 0.2668
pull
Entries 65
Mean −66.03
Std Dev 0
pull1D
Entries 65
Mean −0.01253
Std Dev 1.038

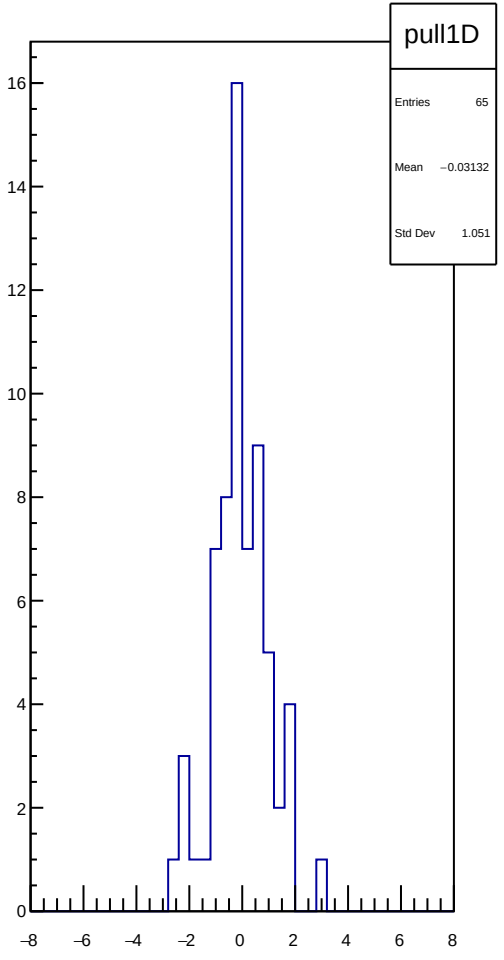

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.196e+05 / 64
p0 206.3 ± 0.1886
3000
2500
2000
1500
1000
500

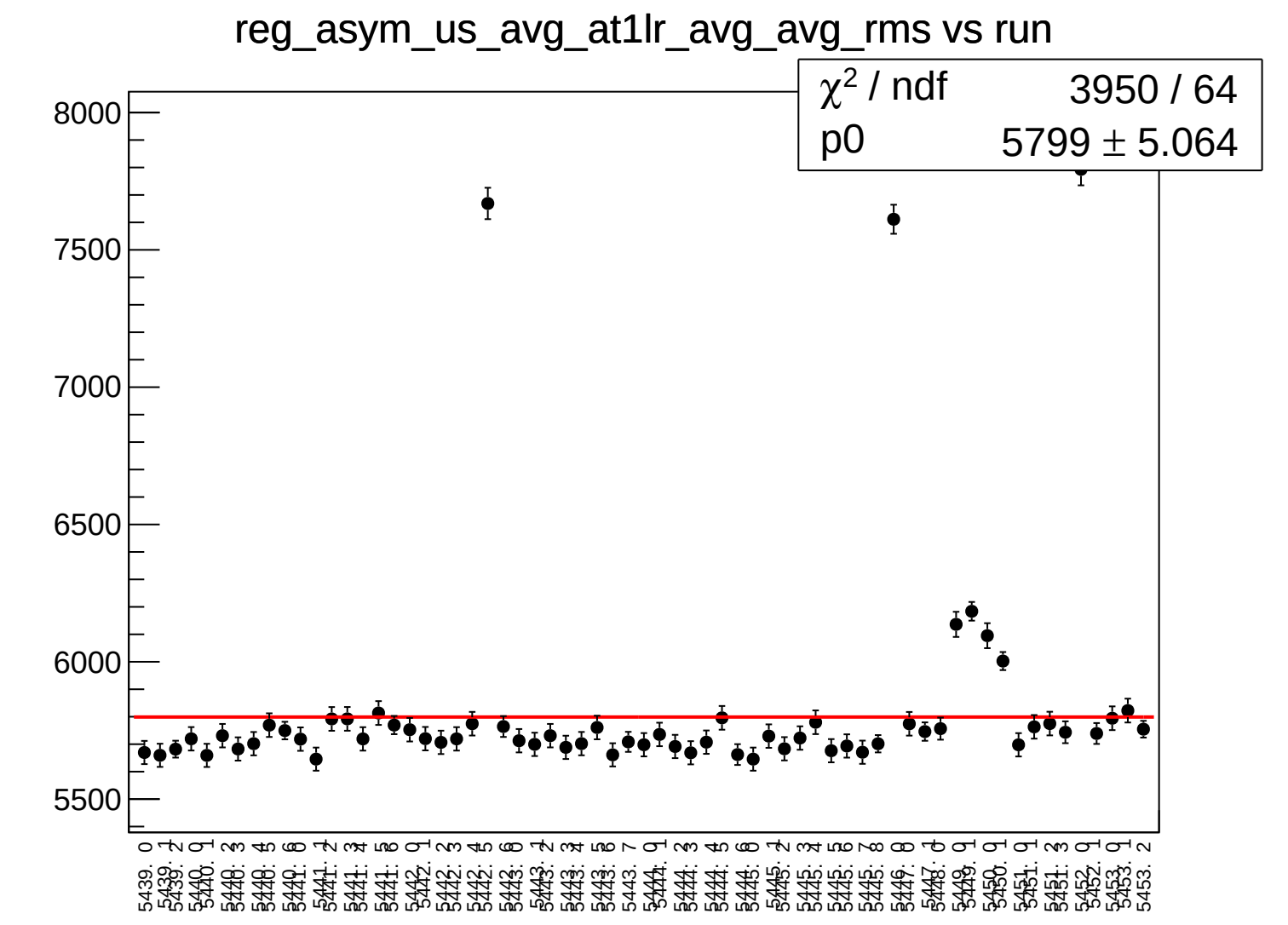

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.09 / 64
p0 6.554e−14 ± 1.31e−13
pull
Entries 65
Mean 15.01
Std Dev 0

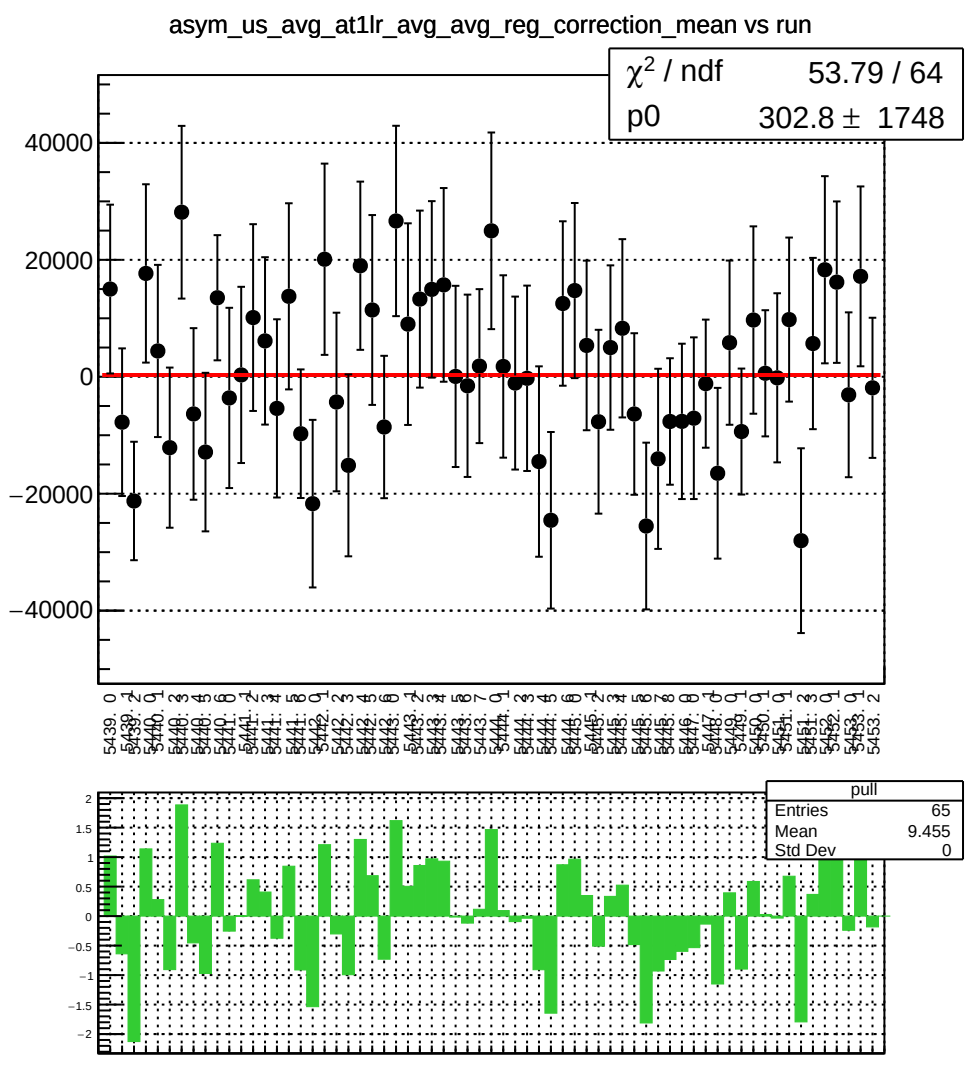

pull1D
Entries 65
Mean −0.07822
Std Dev 1.072

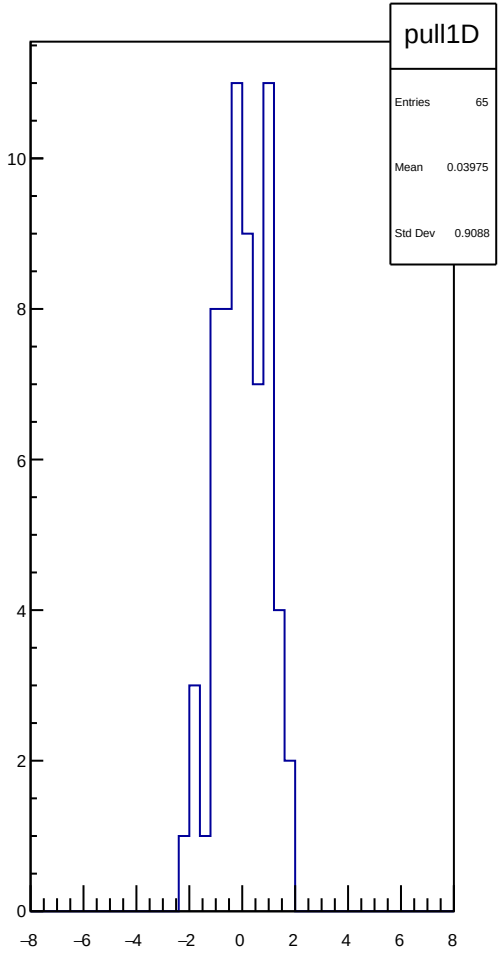

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.233e+05 / 64
p0 8.751e−11 ± 9.265e−14
0.6
0.5
0.4
0.3
0.2
0.1

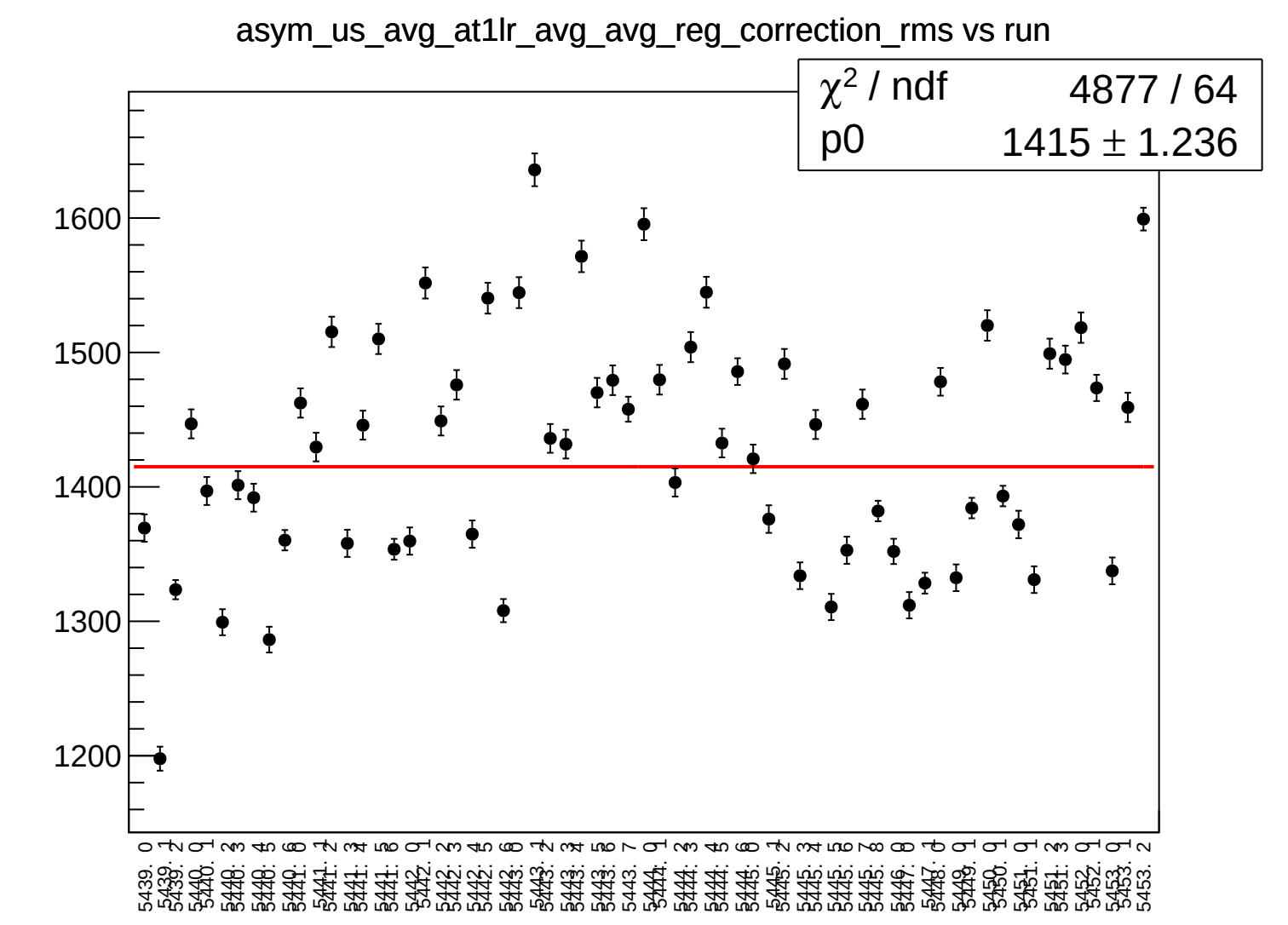

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 71.8 / 64
p0 1.61e+04 ± 7161
pull
Entries 65
Mean 56.98
Std Dev 31.47

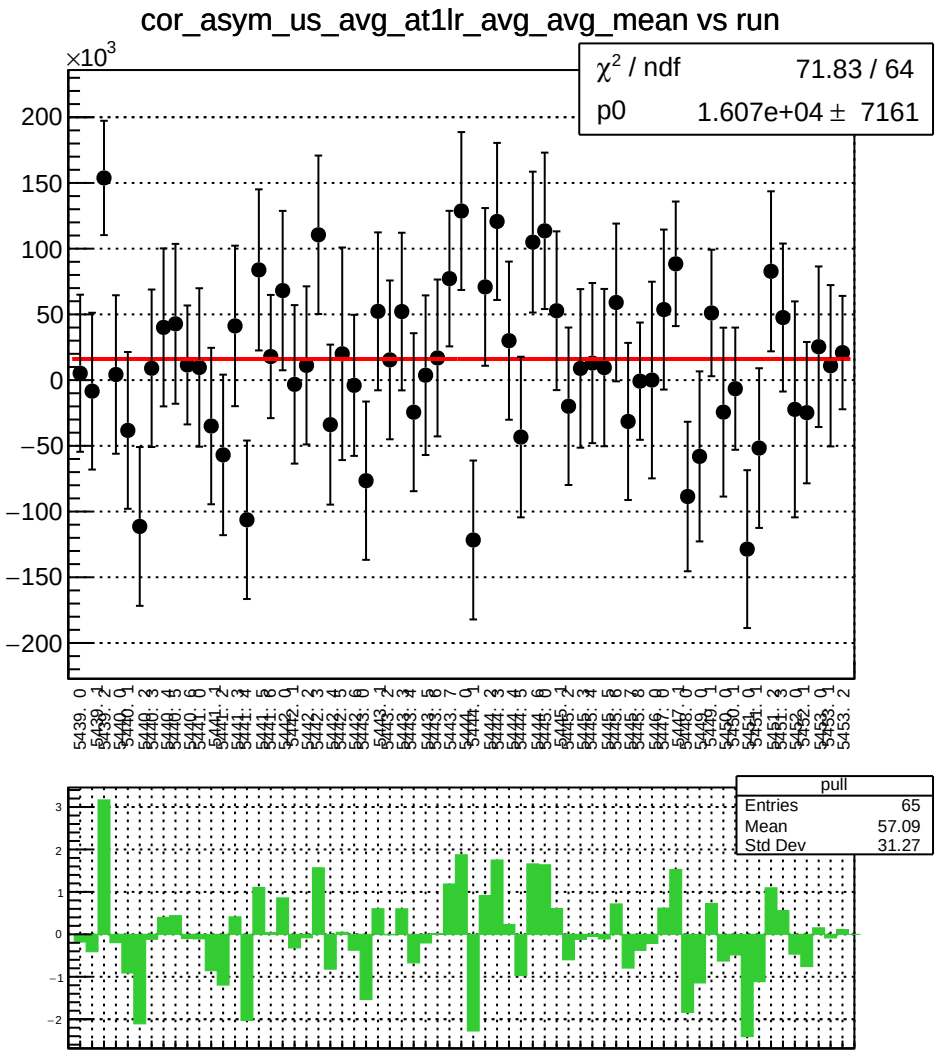

pull1D
Entries 65
Mean −0.03132
Std Dev 1.051

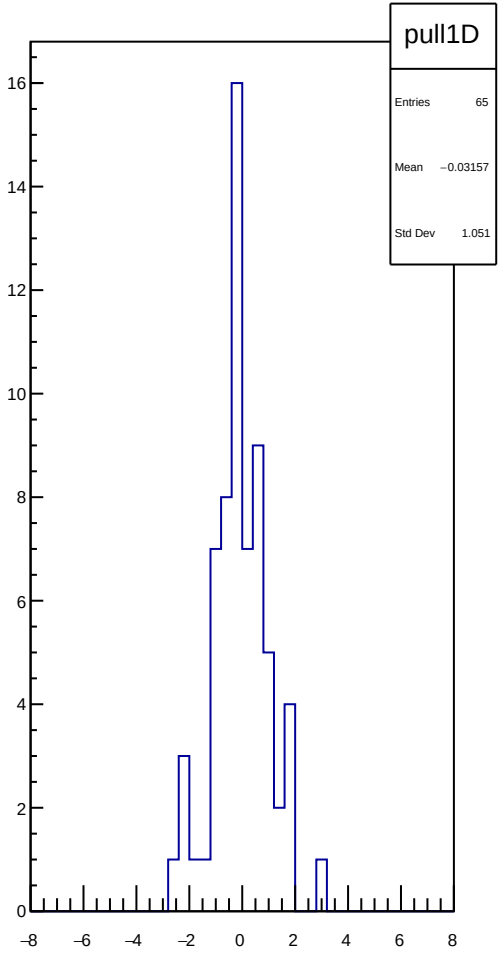

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 3950 / 64
p0 5799 ± 5.064
8000
7500
7000
6500
6000
5500

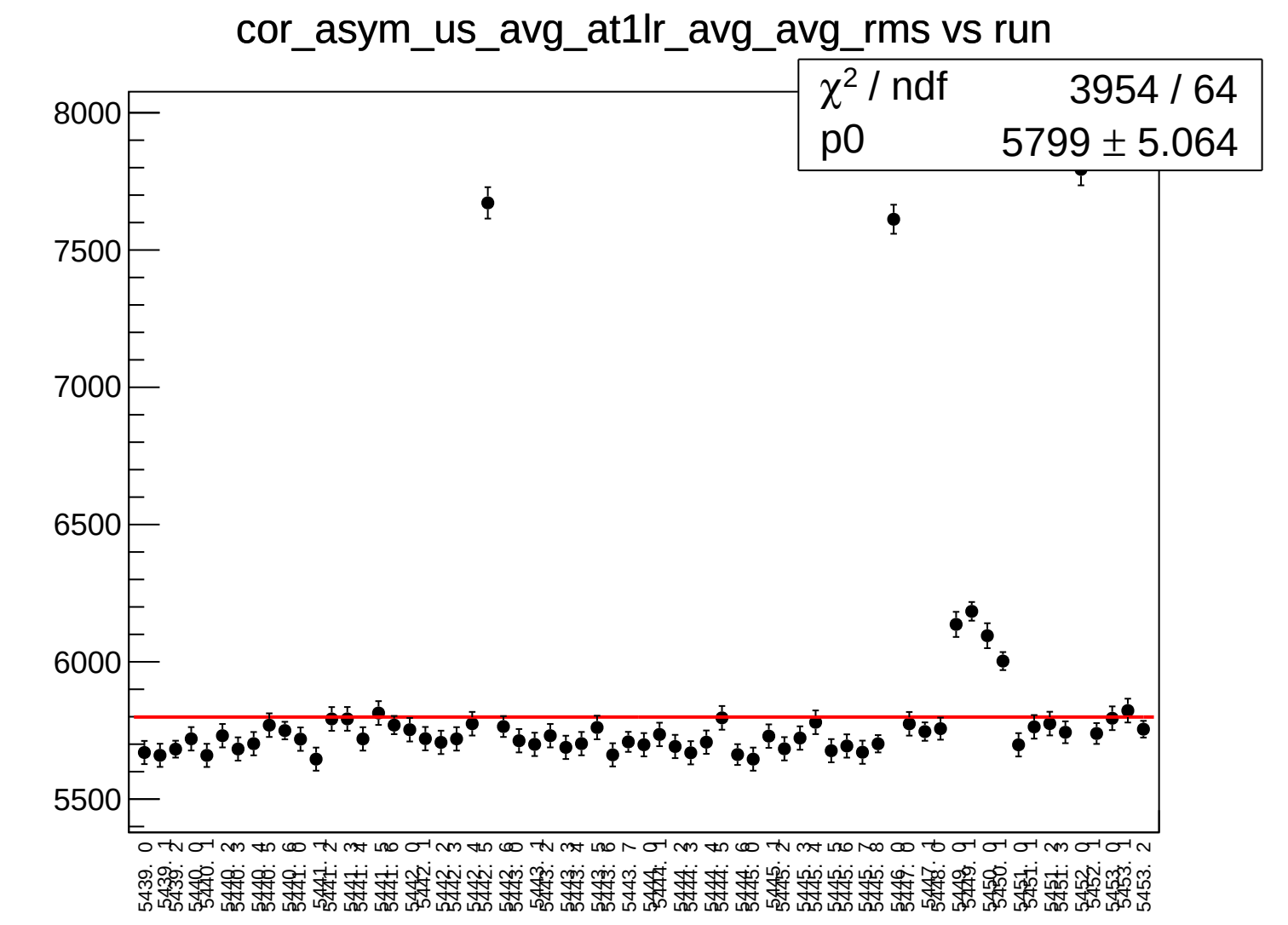

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 53.79 / 64
p0 302.8 ± 1748
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 9.455
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

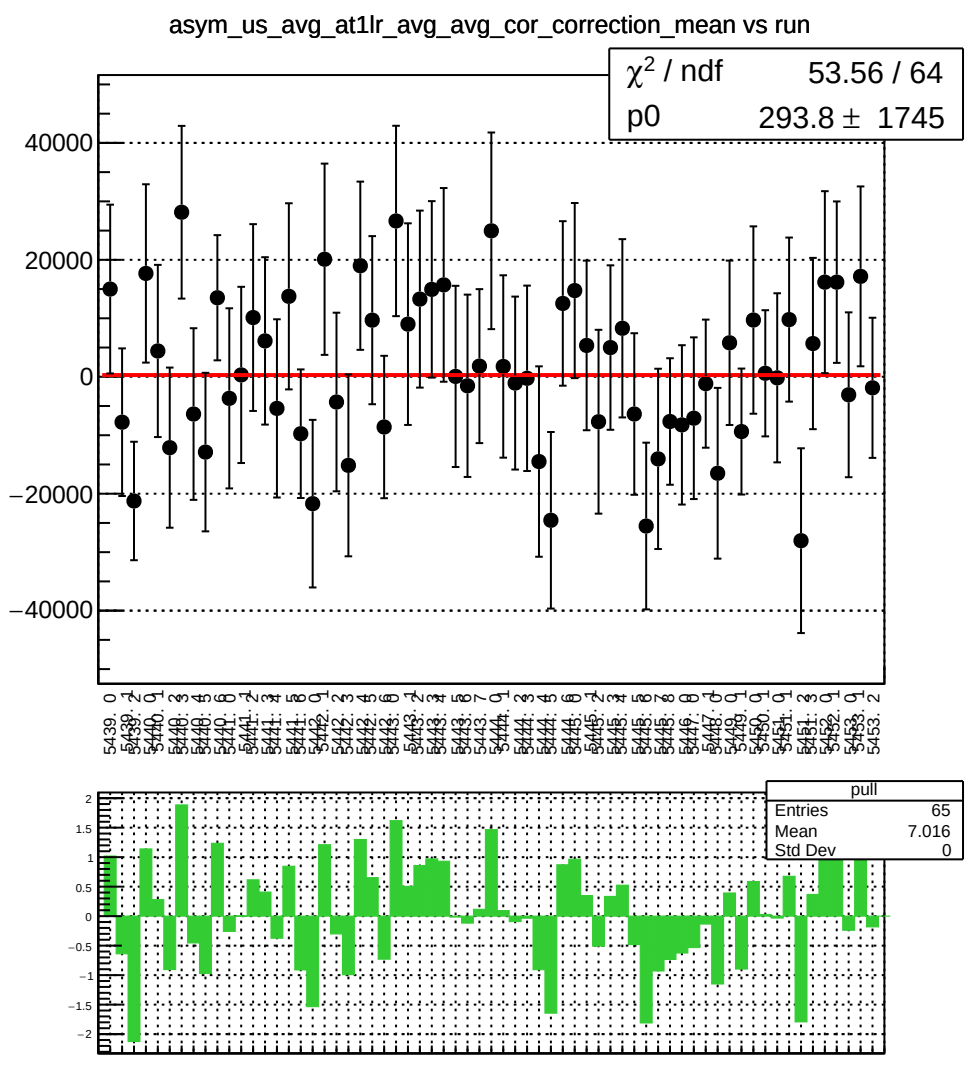

pull1D
Entries 65
Mean 0.03975
Std Dev 0.9088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

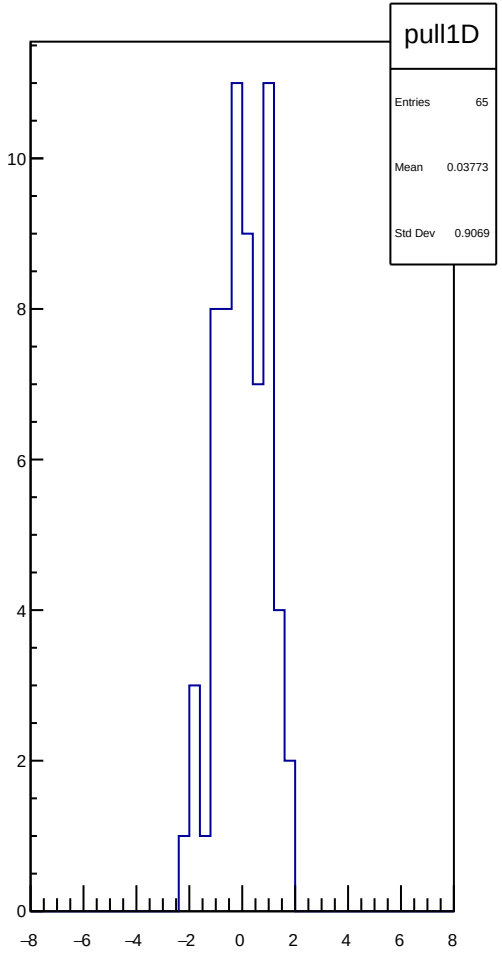

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 4877 / 64
p0 1415 ± 1.236
1600
1500
1400
1300
1200

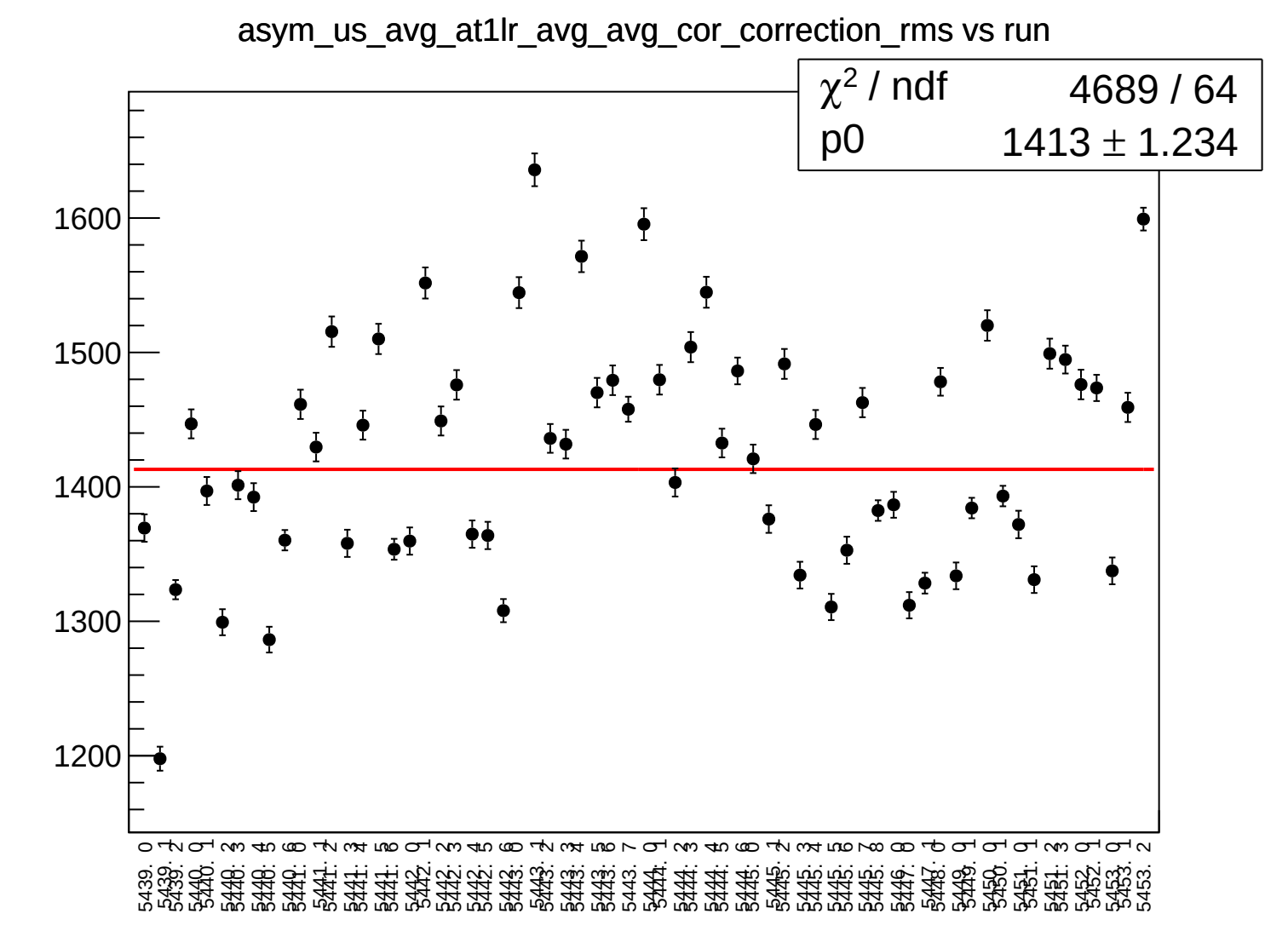

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 71.83 / 64
p0 1.607e+04 ± 7161
pull
Entries 65
Mean 57.09
Std Dev 31.27

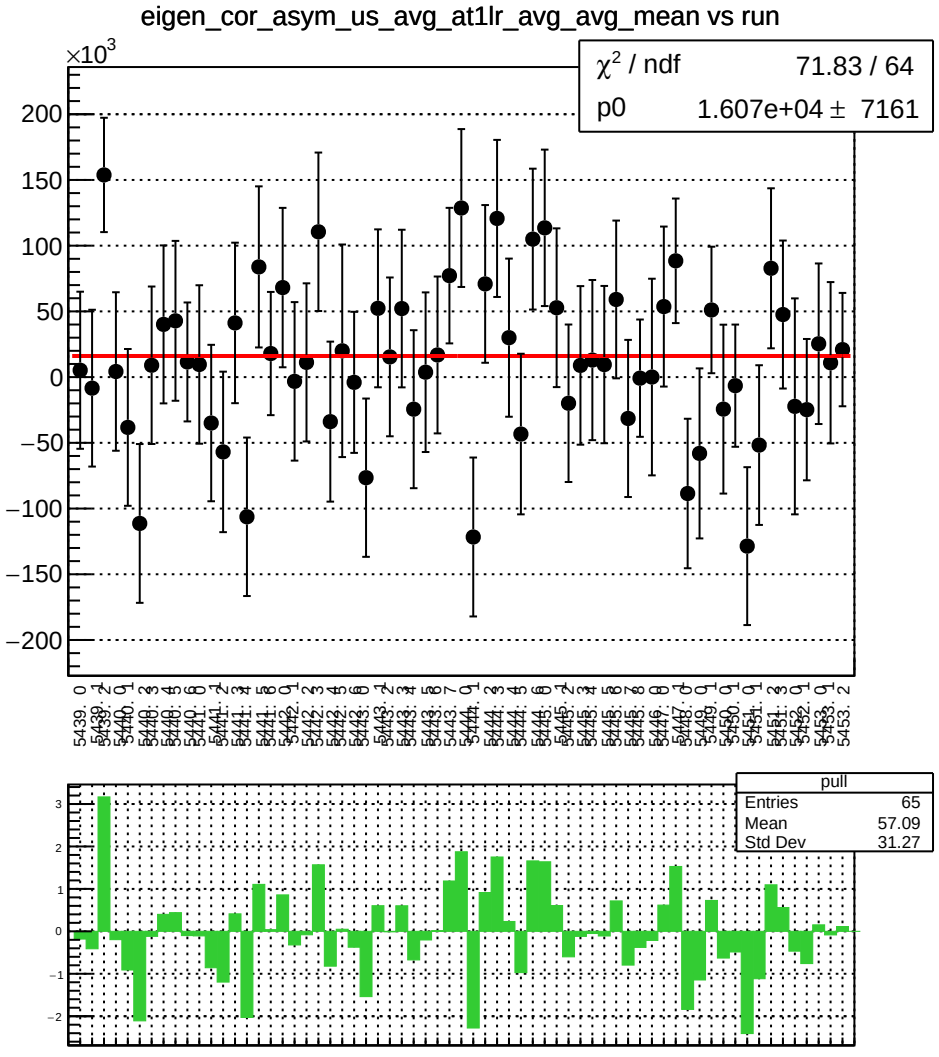

pull1D
Entries 65
Mean −0.03157
Std Dev 1.051

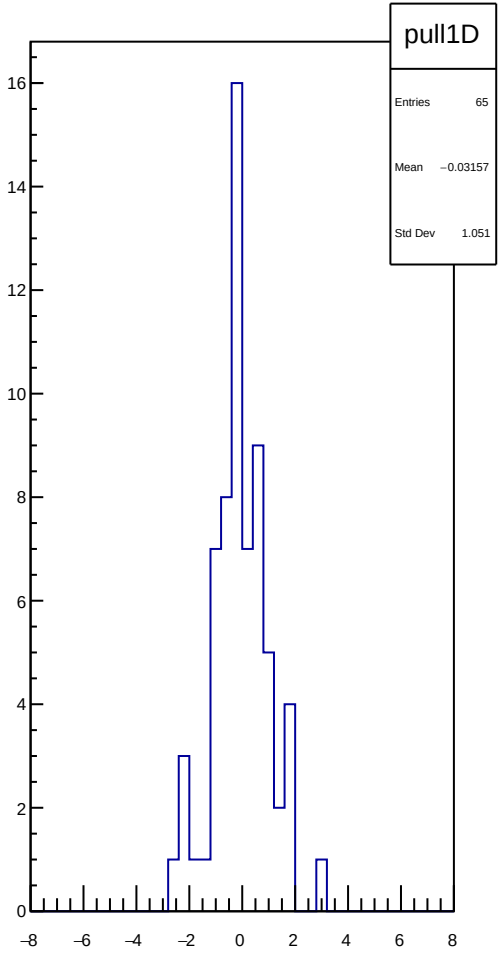

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 3954 / 64
p0 5799 ± 5.064
8000
7500
7000
6500
6000
5500

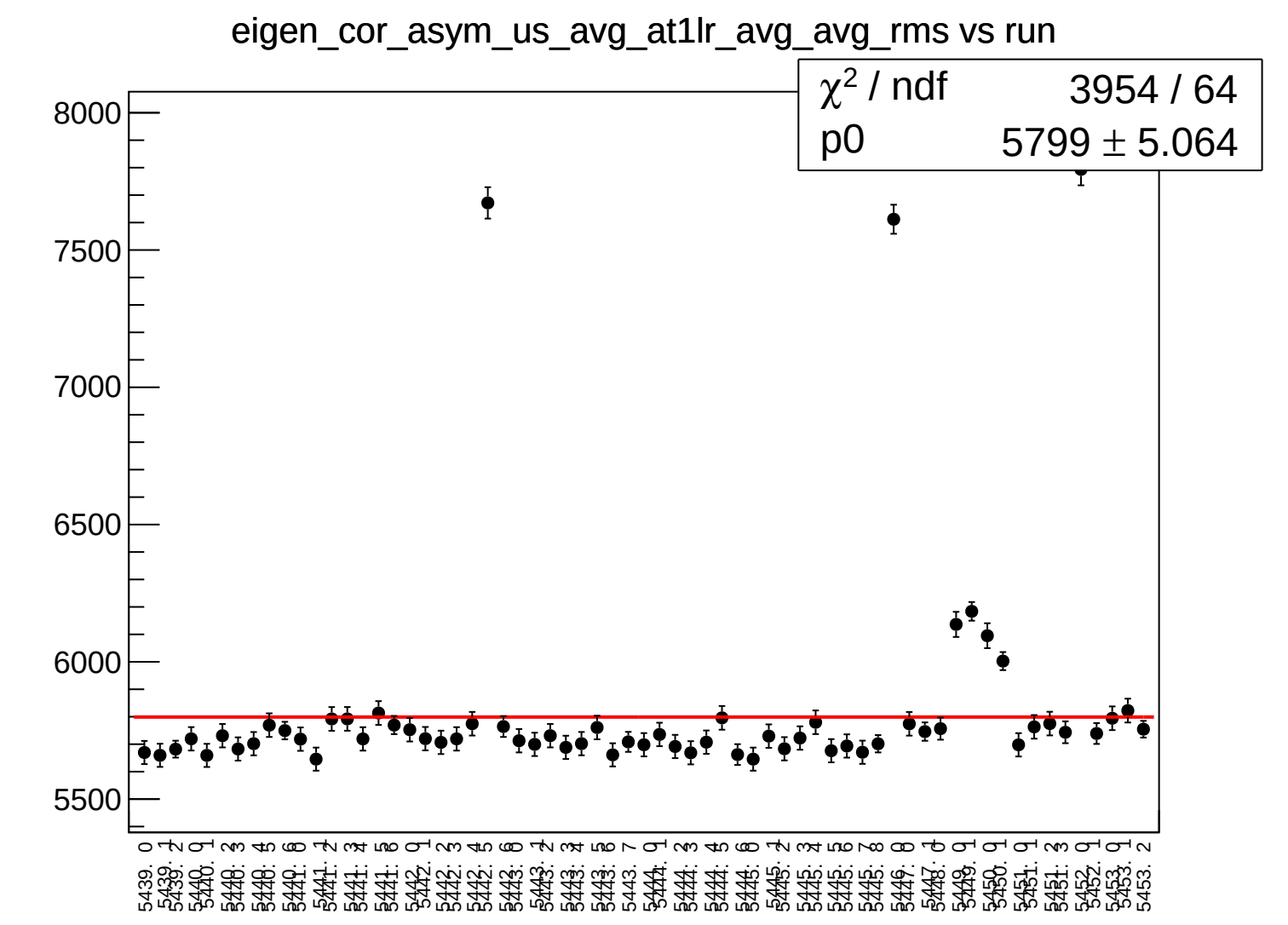

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 53.56 / 64
p0 293.8 ± 1745
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 7.016
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

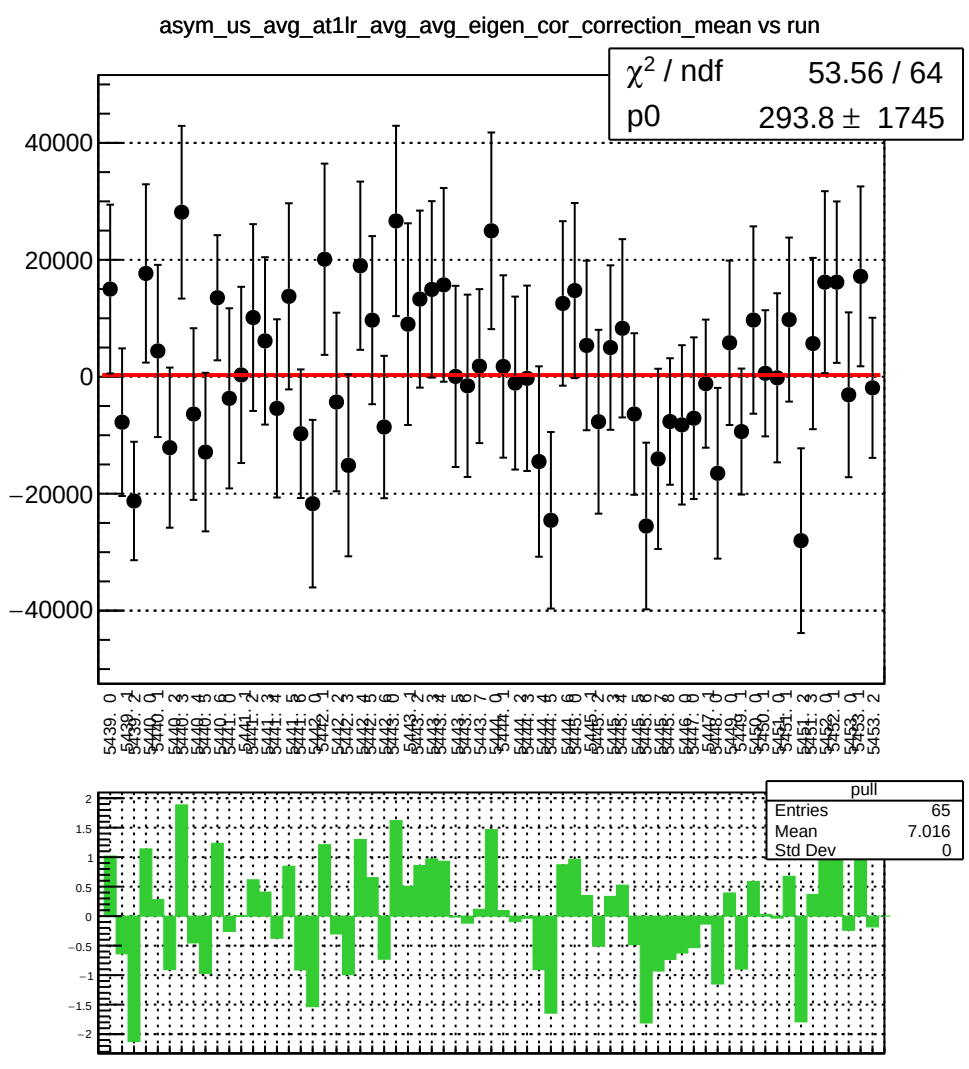

pull1D
Entries 65
Mean 0.03773
Std Dev 0.9069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

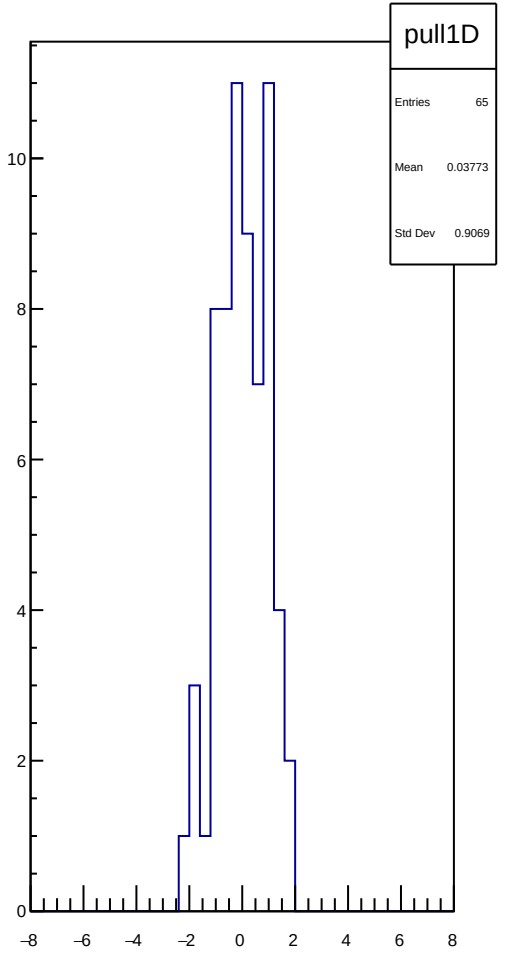

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 4689 / 64
p0 1413 ± 1.234
1600
1500
1400
1300
1200

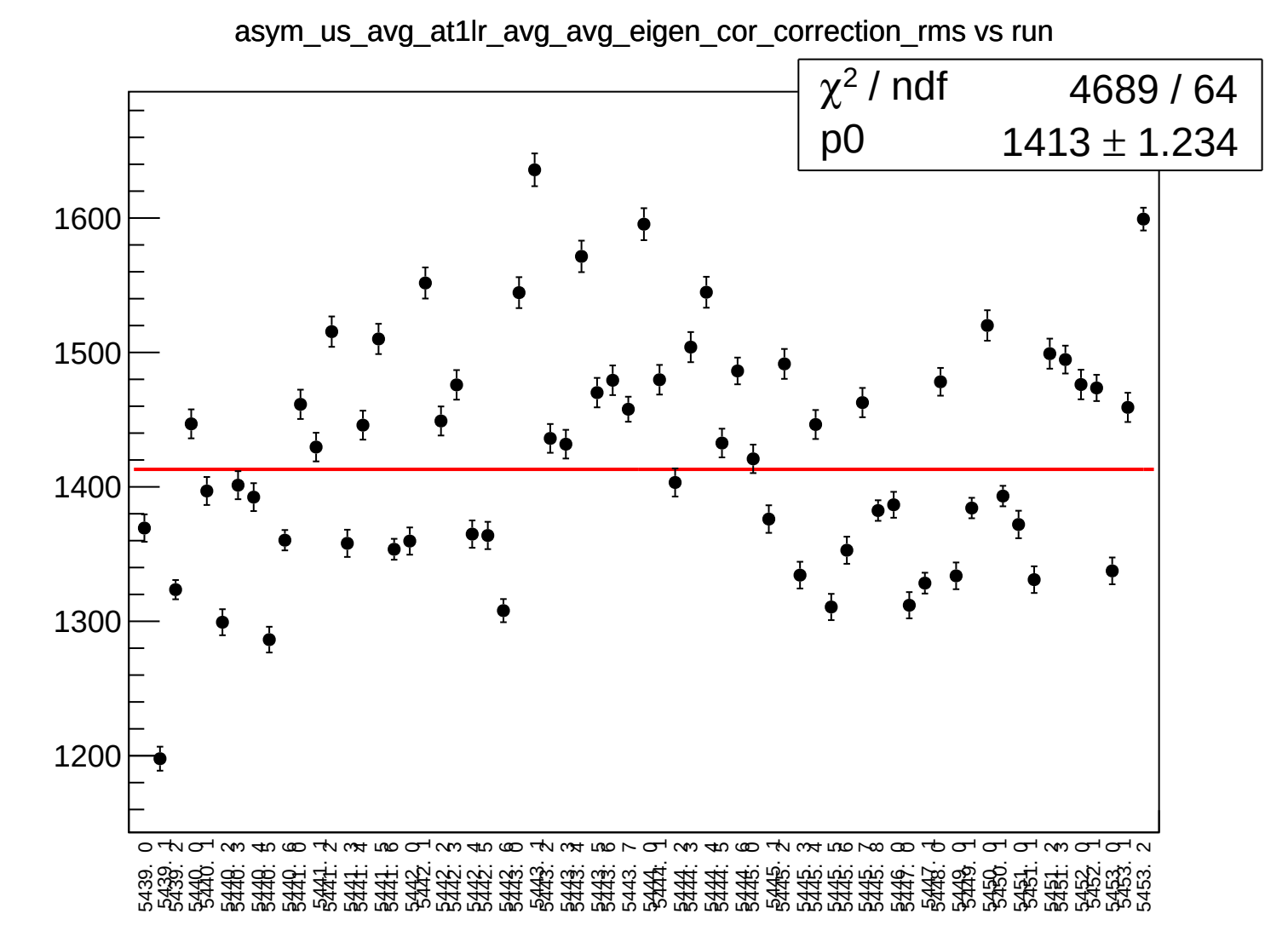

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 71.83 / 64
p0 1.607e+04 ± 7161
pull
Entries 65
Mean 57.09
Std Dev 31.27

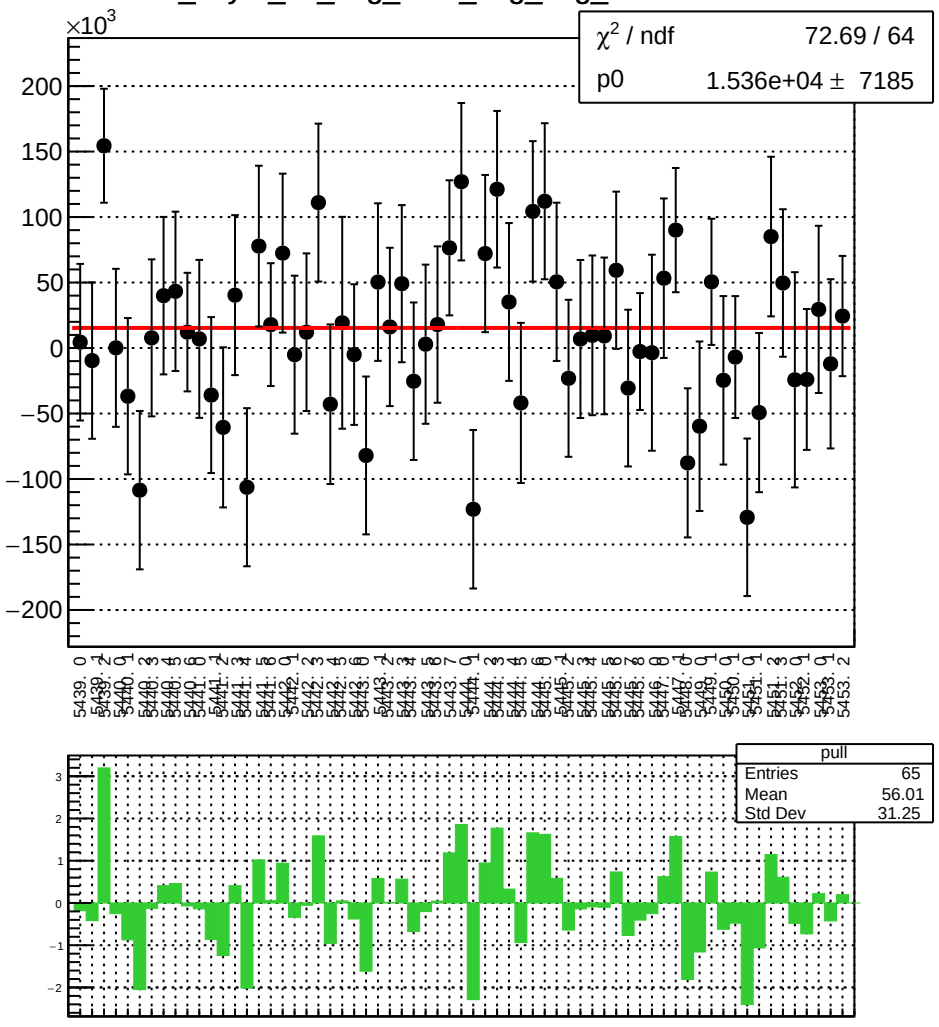

pull1D
Entries 65
Mean −0.03157
Std Dev 1.051

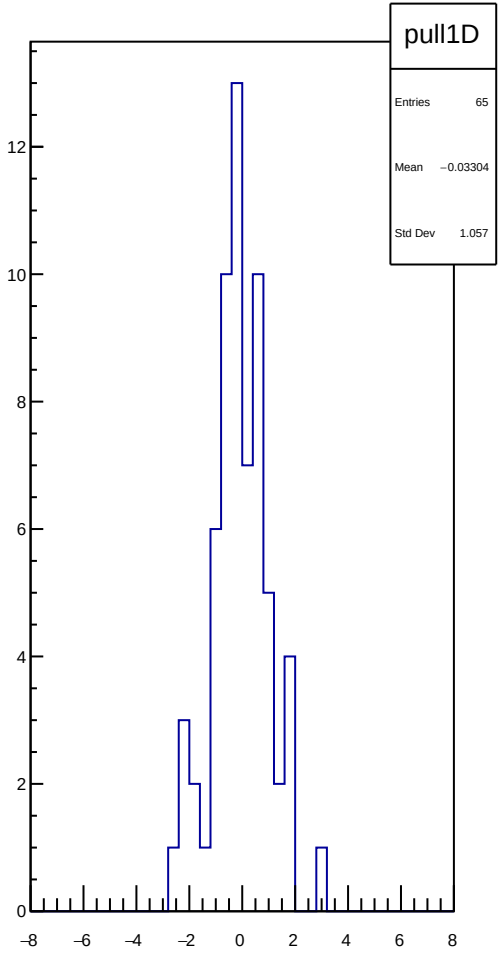

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 3954 / 64
p0 5799 ± 5.064
8000
7500
7000
6500
6000
5500

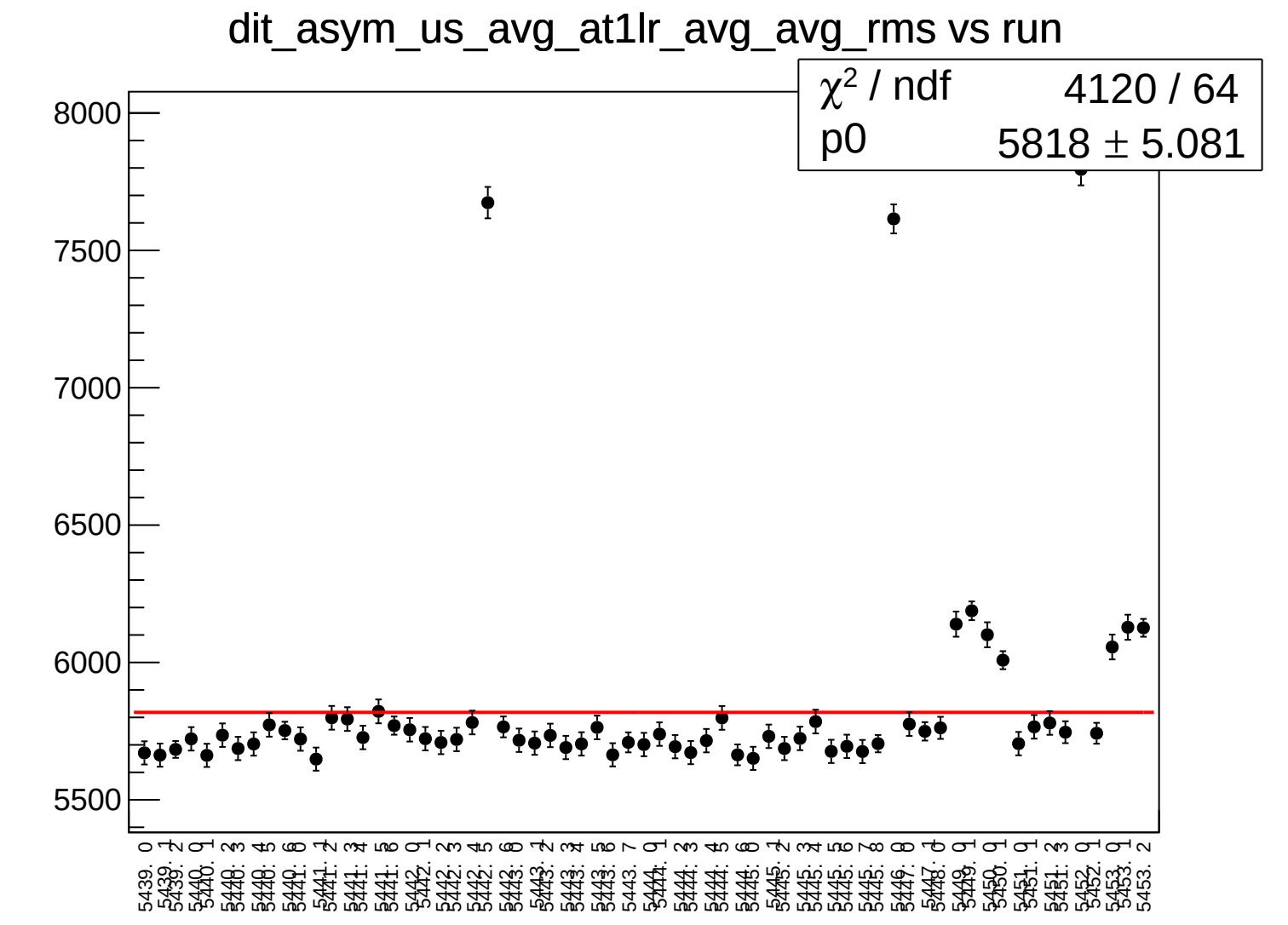

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 53.56 / 64
p0 293.8 ± 1745
40000
20000
0
−20000
−40000
pull
Entries 65
Mean 7.016
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

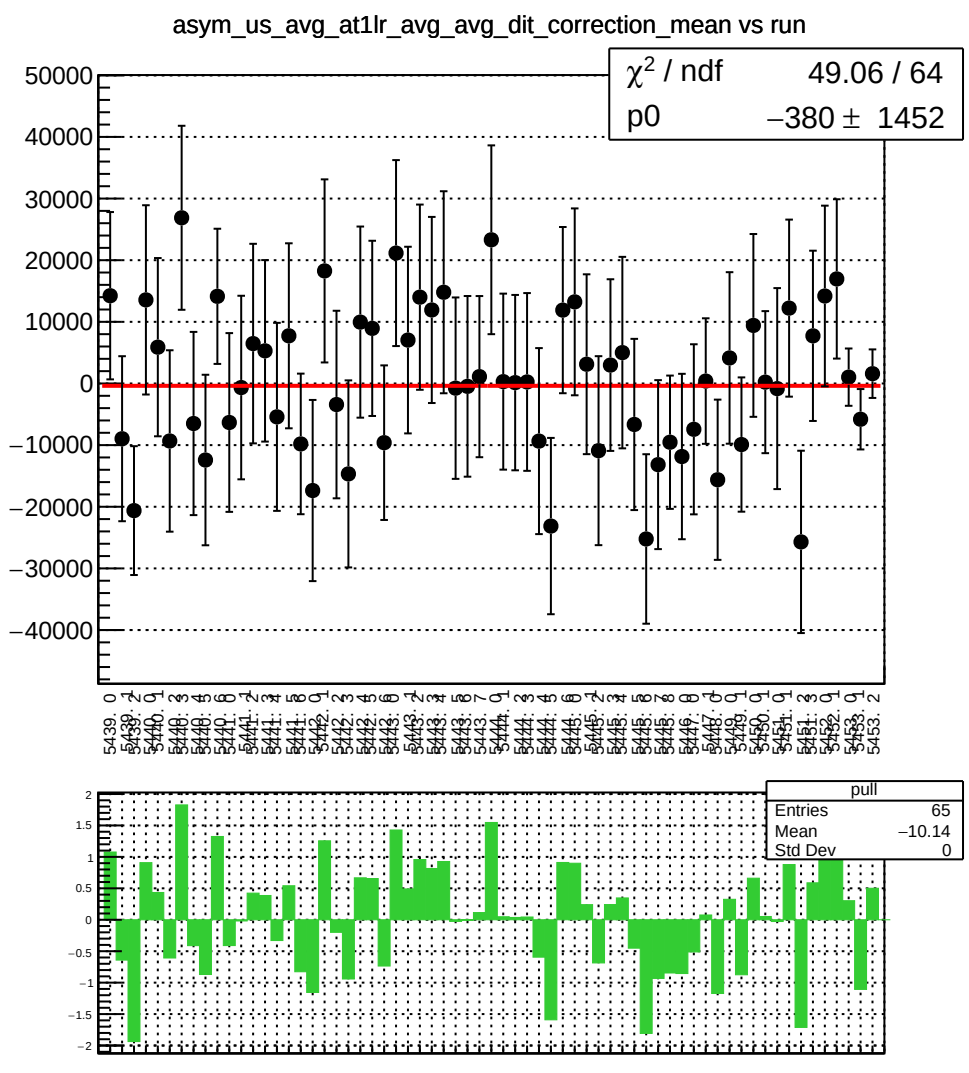

pull1D
Entries 65
Mean 0.03773
Std Dev 0.9069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

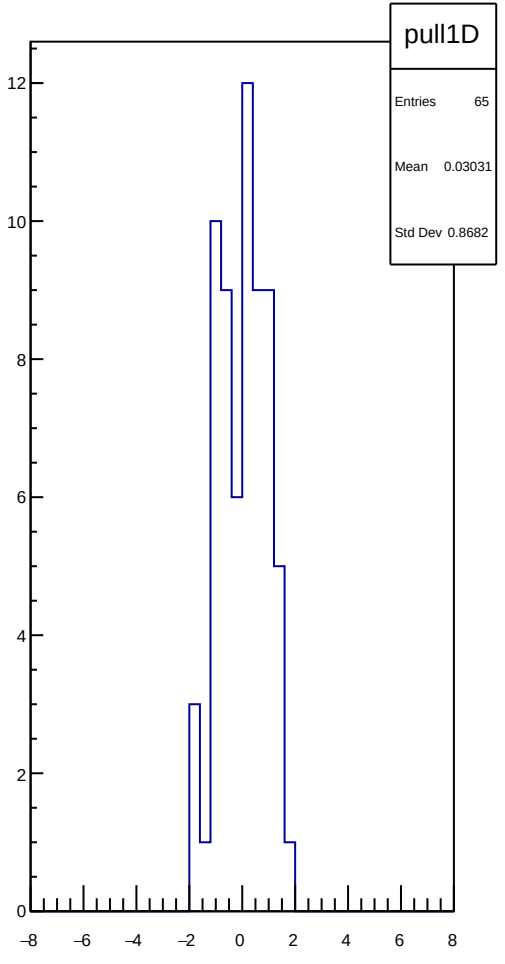

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4689 / 64
p0 1413 ± 1.234
1600
1500
1400
1300
1200

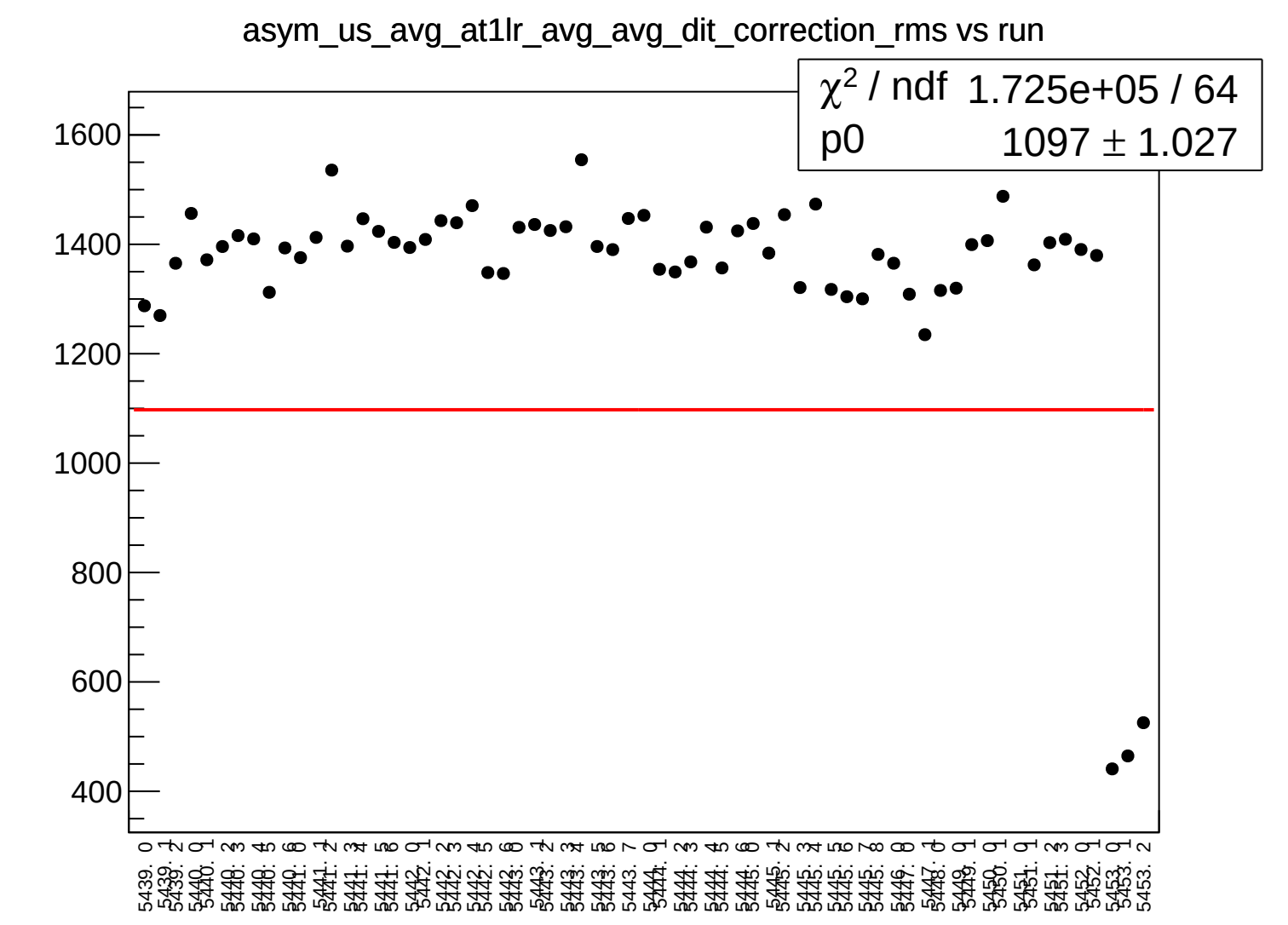

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.69 / 64
p0 1.536e+04 ± 7185
pull
Entries 65
Mean 56.01
Std Dev 31.25

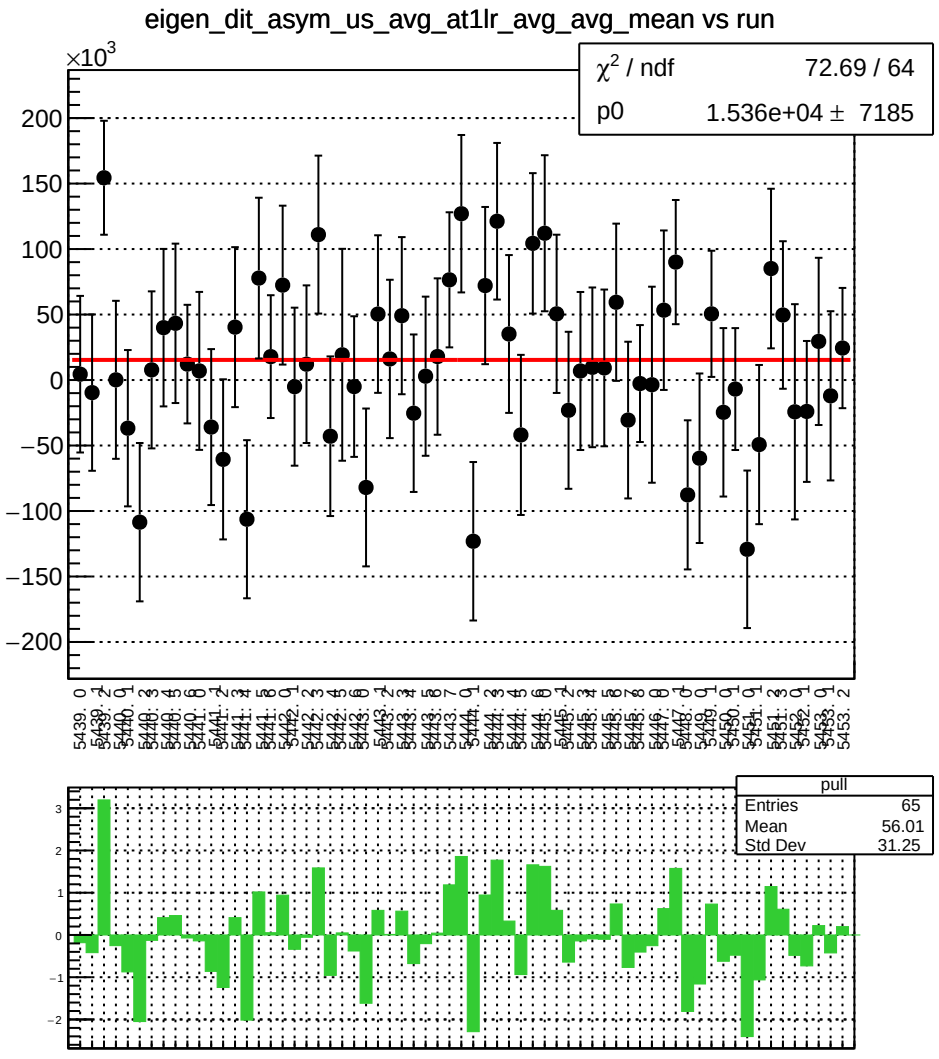

pull1D
Entries 65
Mean −0.03304
Std Dev 1.057

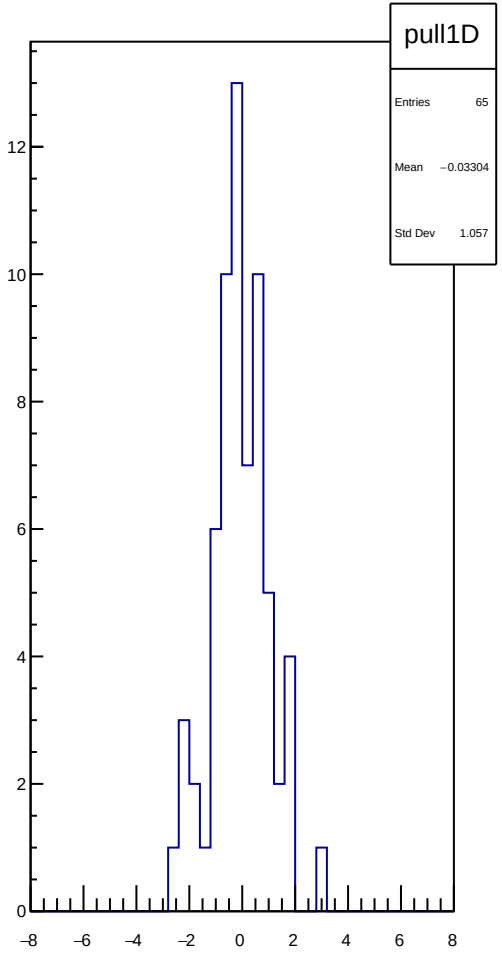

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 4120 / 64
p0 5818 ± 5.081
8000
7500
7000
6500
6000
5500

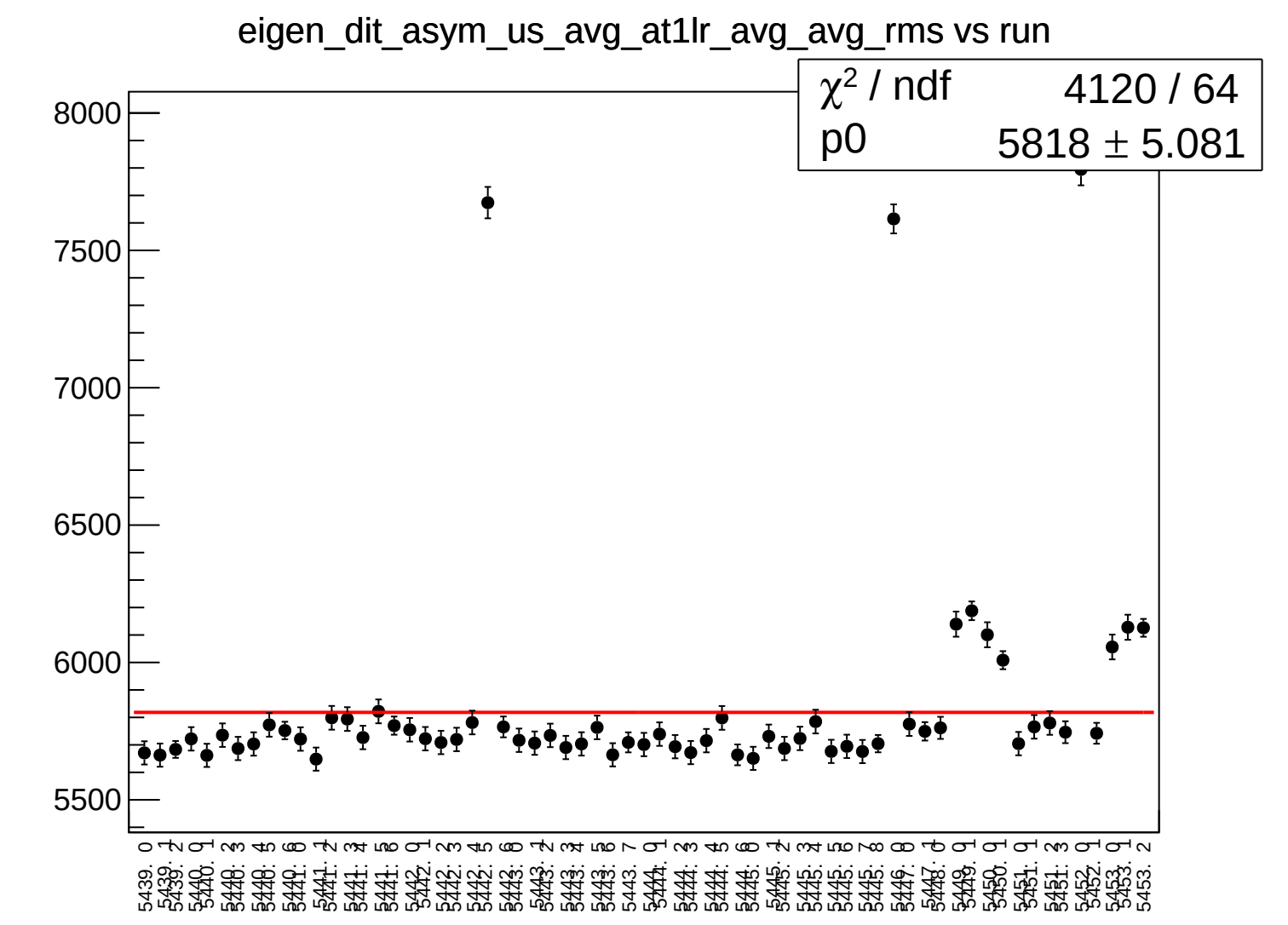

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 49.06 / 64
p0 −380 ± 1452
pull
Entries 65
Mean −10.14
Std Dev 0

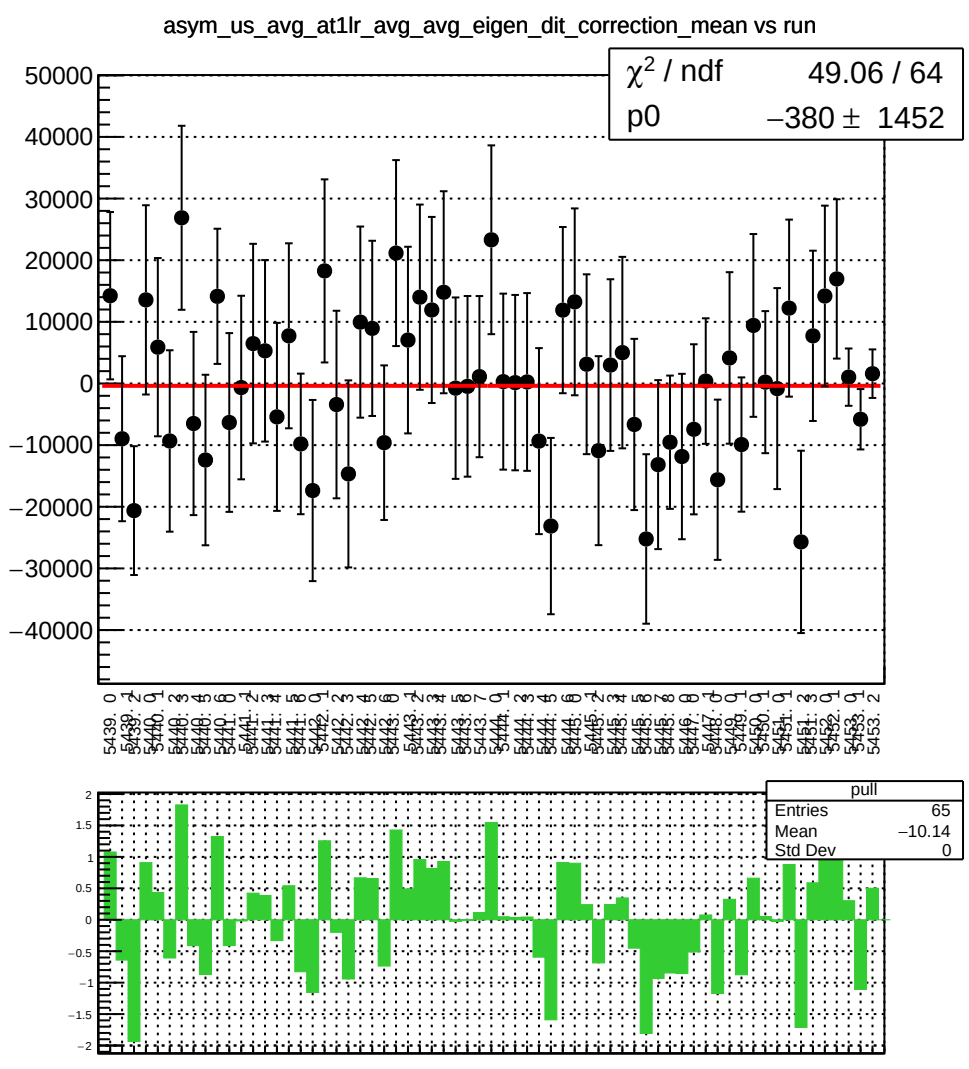

pull1D
Entries 65
Mean 0.03031
Std Dev 0.8682

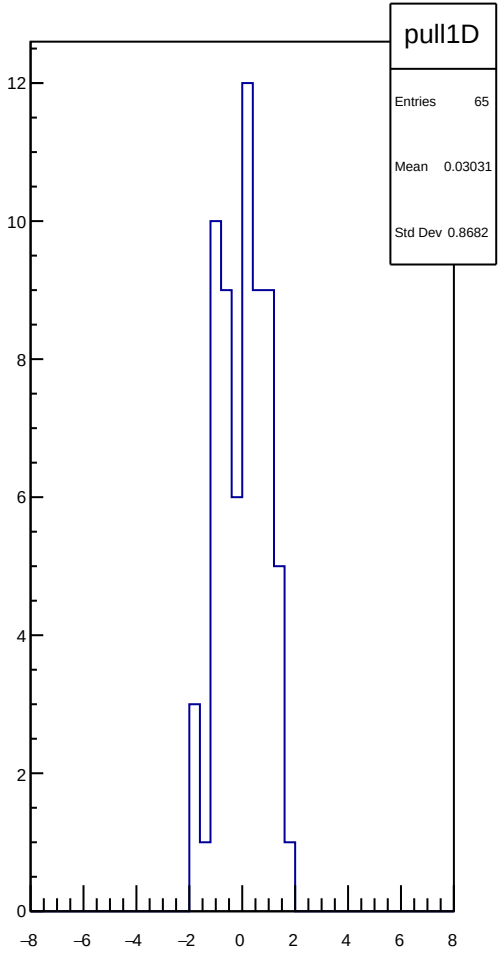

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.725e+05 / 64
p0 1097 ± 1.027
1600
1400
1200
1000
800
600
400

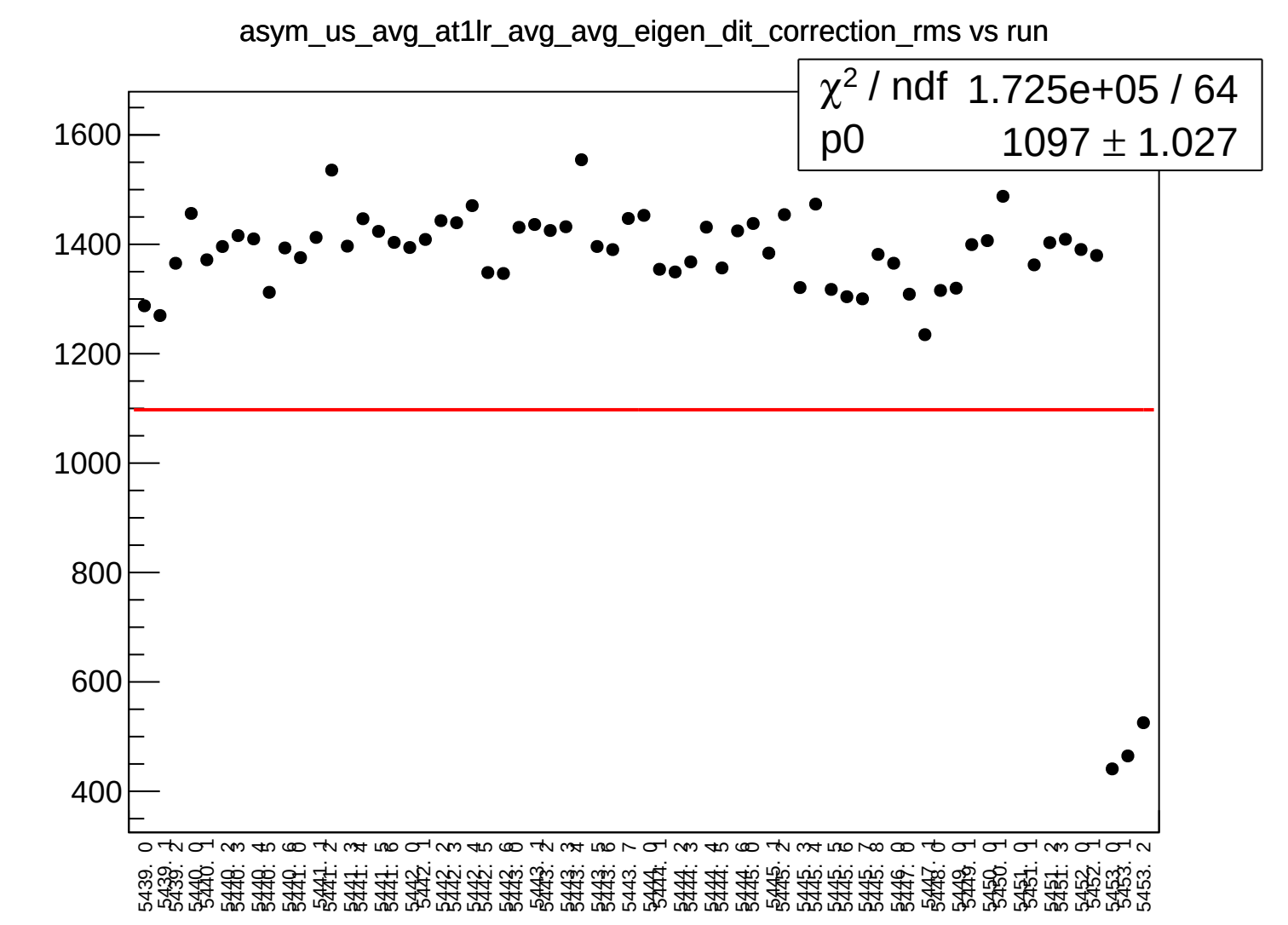

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.69 / 64
p0 1.536e+04 ± 7185
pull
Entries 65
Mean 56.01
Std Dev 31.25

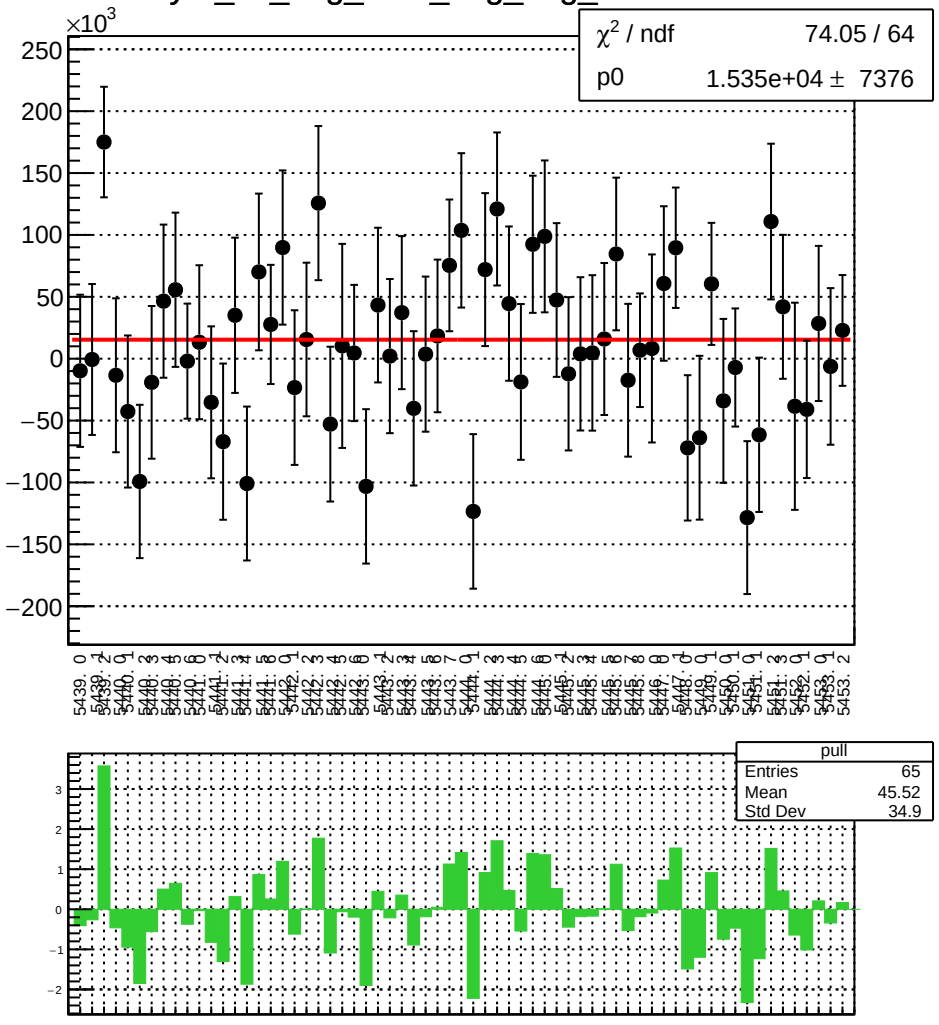

pull1D
Entries 65
Mean −0.03304
Std Dev 1.057

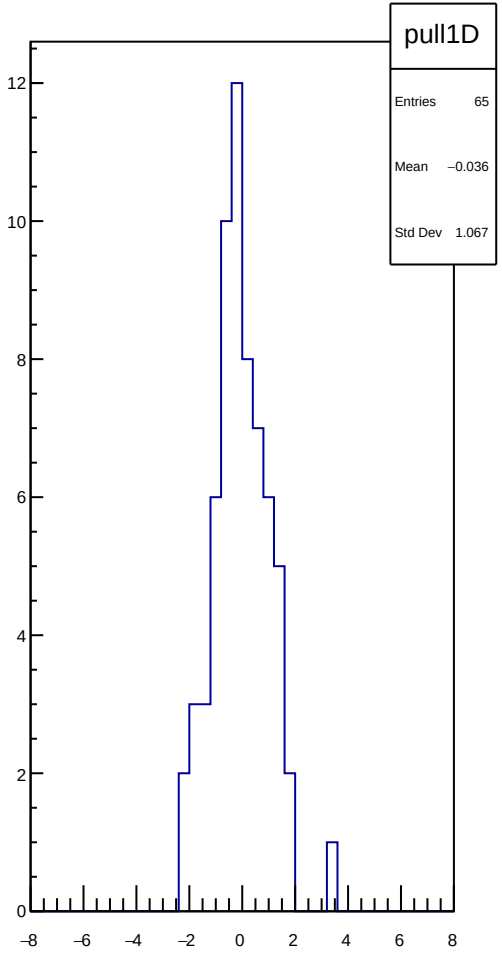

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 4120 / 64
p0 5818 ± 5.081
8000
7500
7000
6500
6000
5500

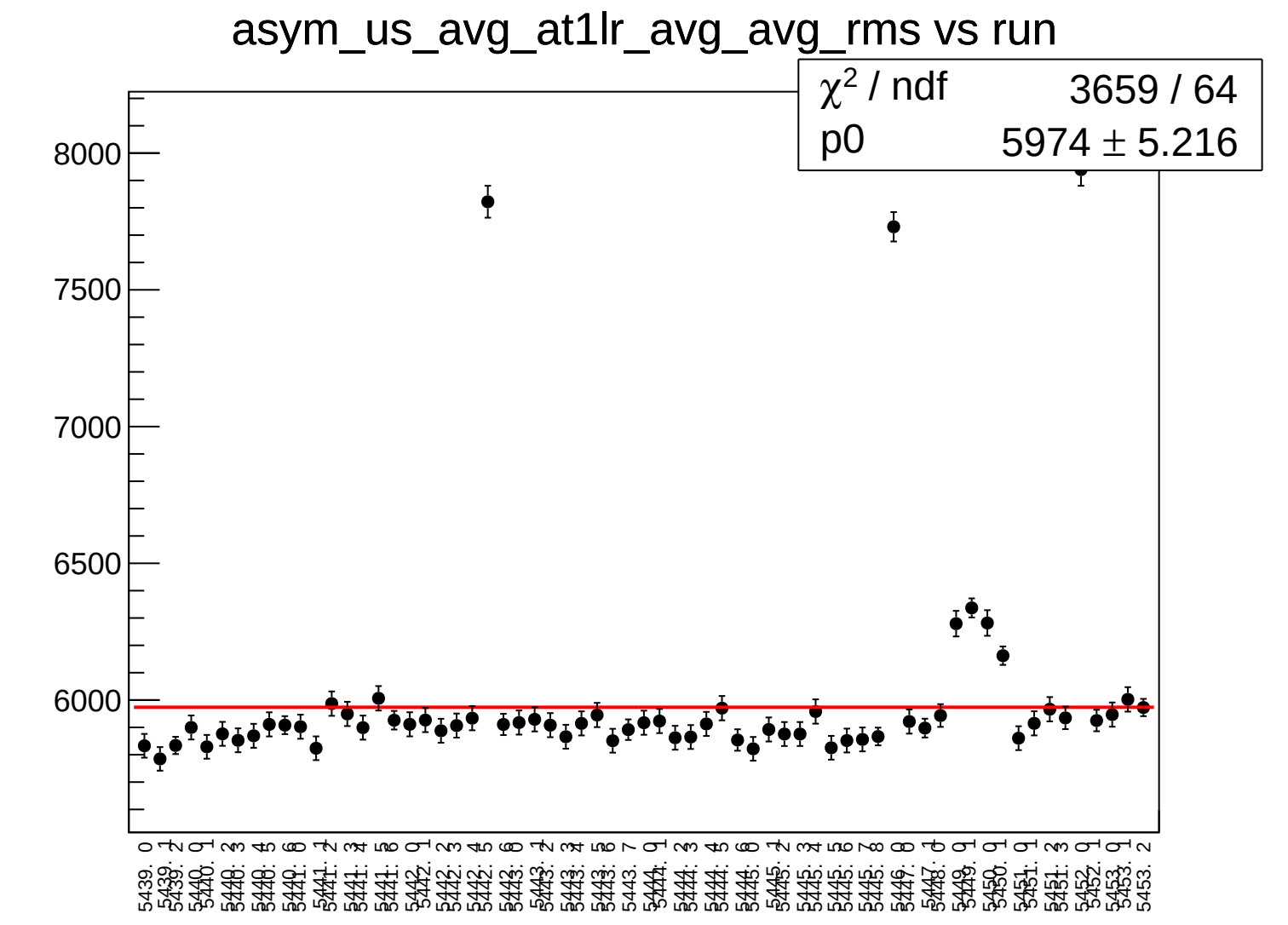

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.06 / 64
p0 −380 ± 1452
pull
Entries 65
Mean −10.14
Std Dev 0

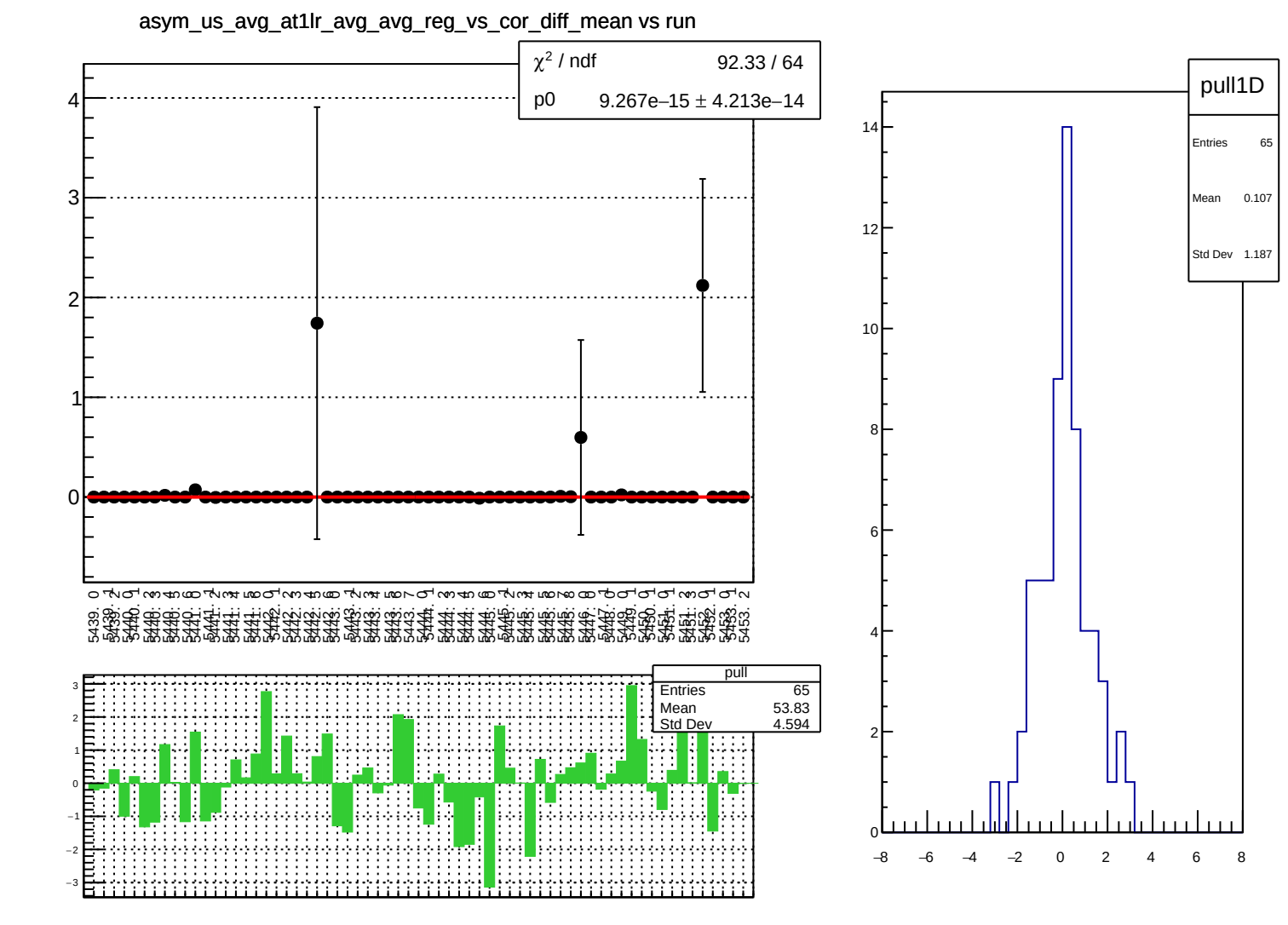

pull1D
Entries 65
Mean 0.03031
Std Dev 0.8682

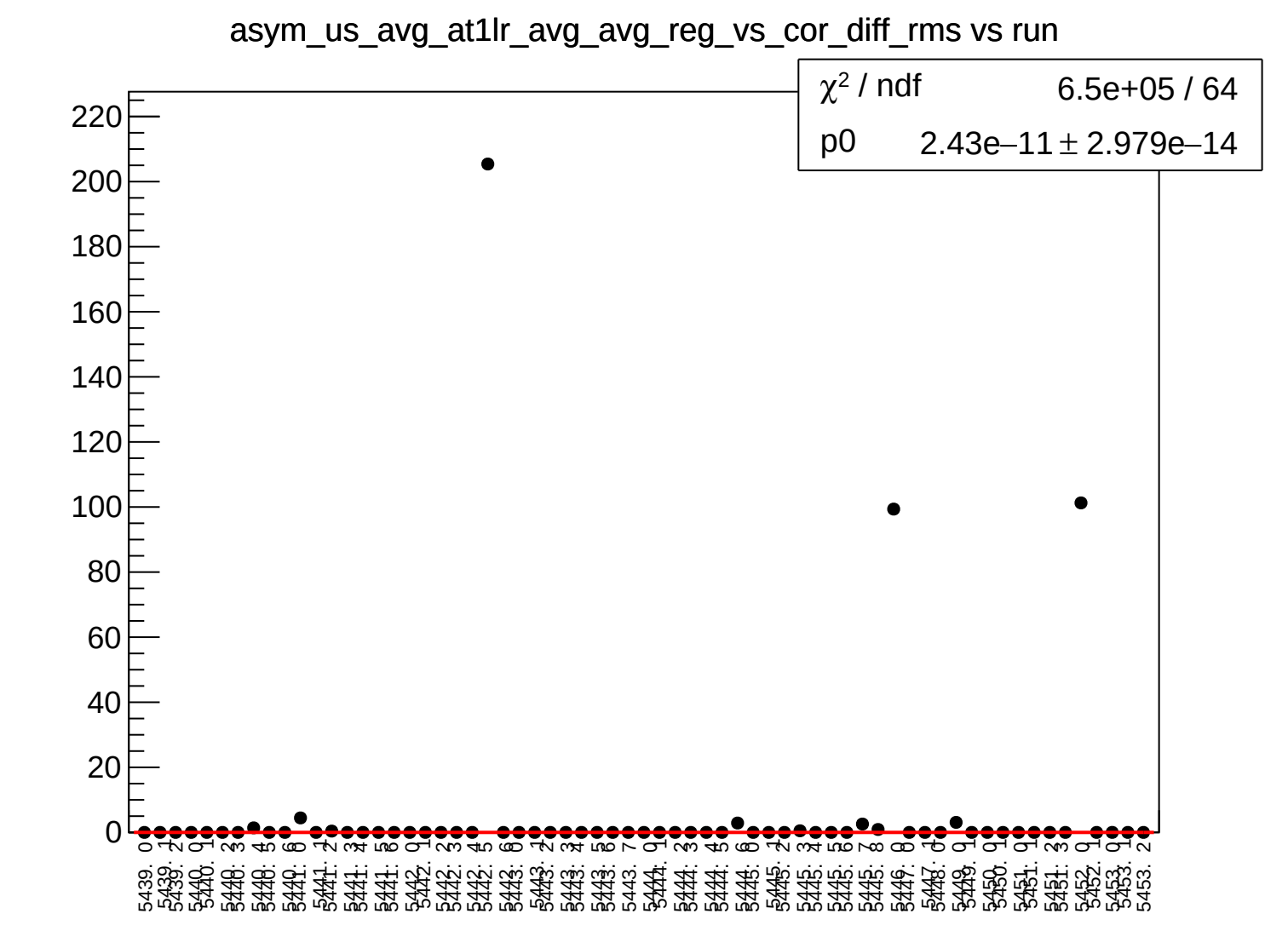

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.725e+05 / 64
p0 1097 ± 1.027
1600
1400
1200
1000
800
600
400

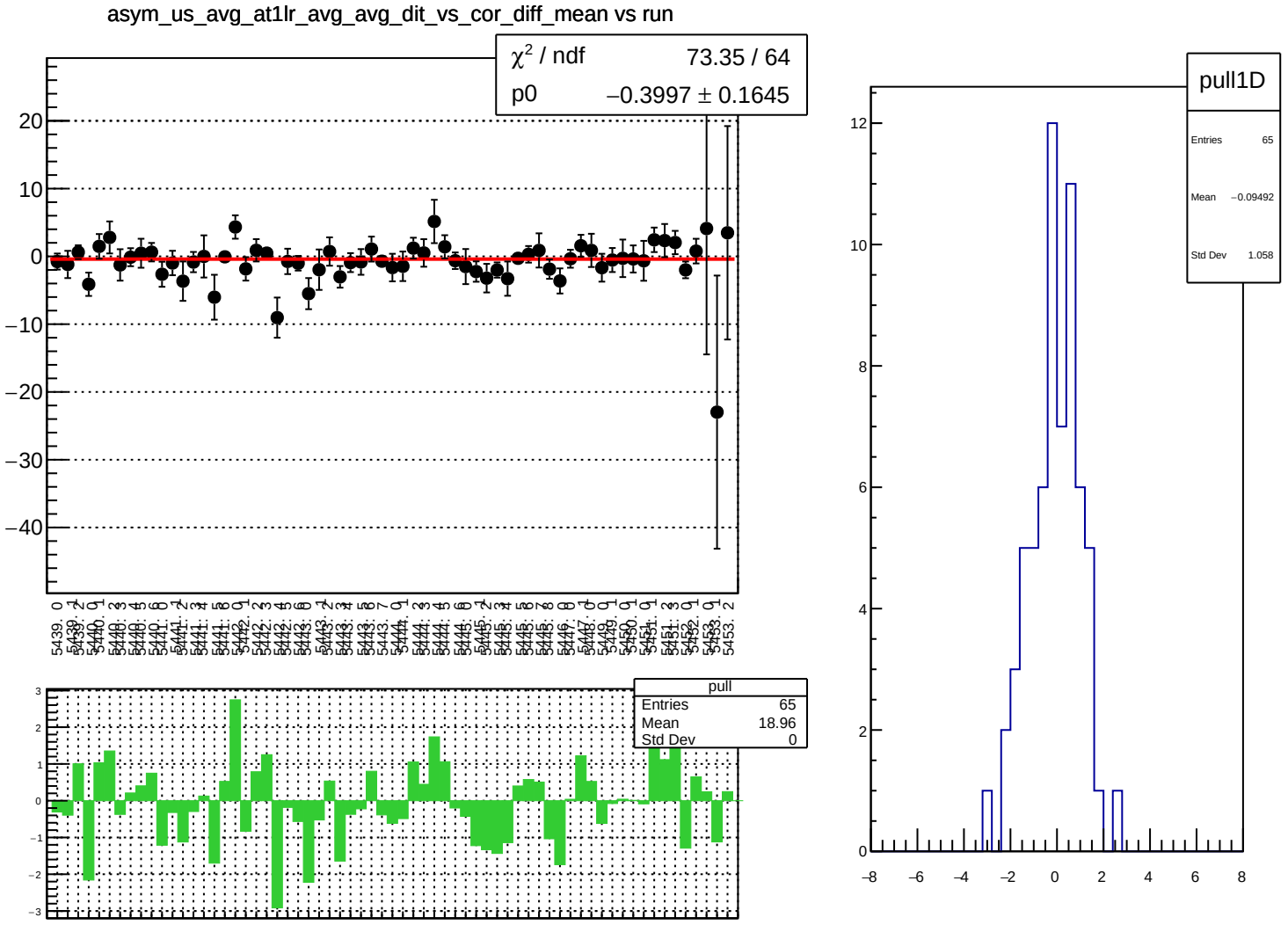

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 74.05 / 64
p0 1.535e+04 ± 7376
pull
Entries 65
Mean 45.52
Std Dev 34.9

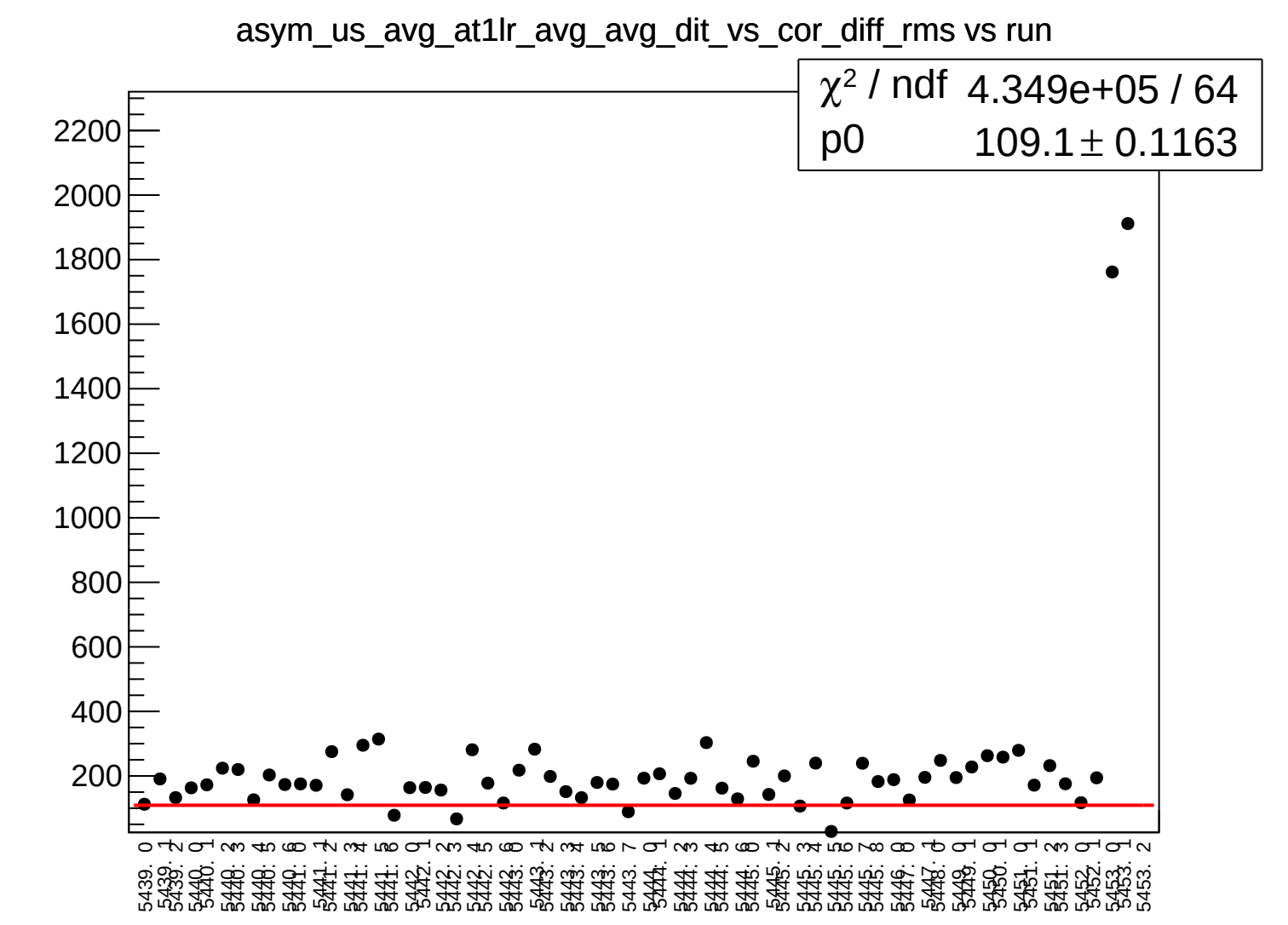

pull1D
Entries 65
Mean −0.036
Std Dev 1.067

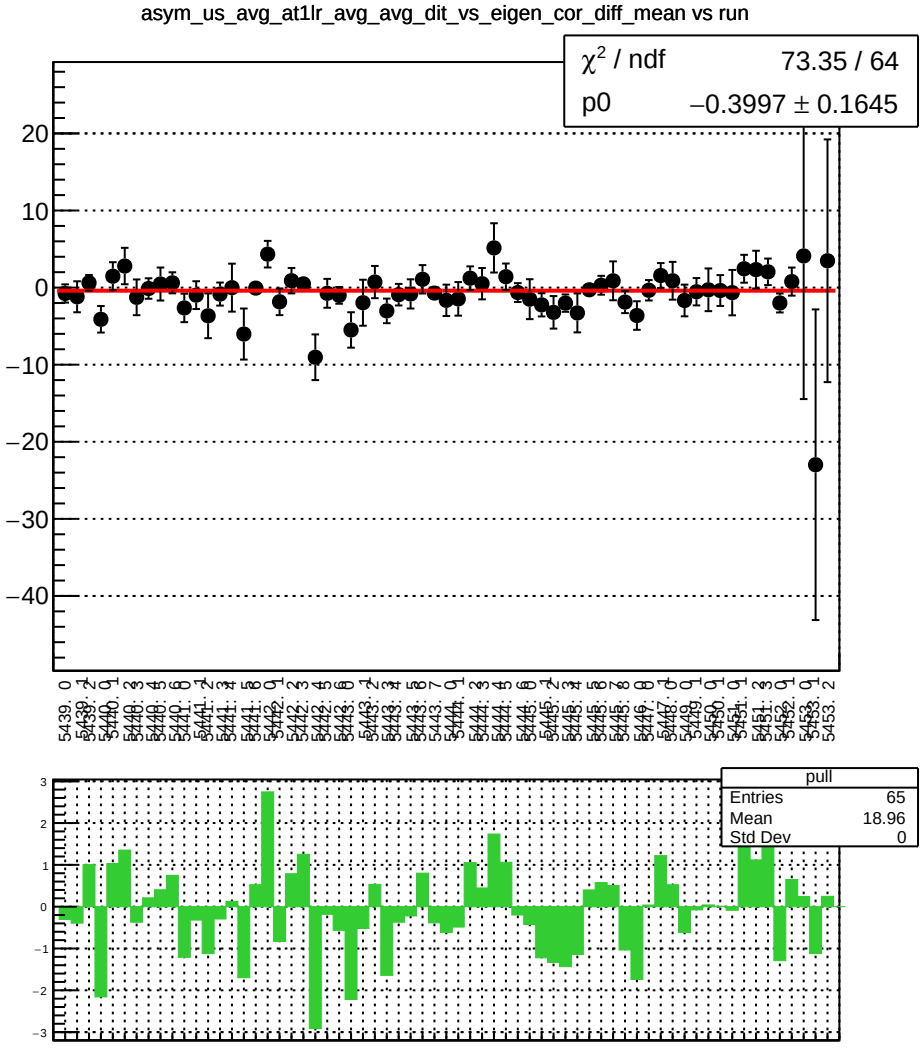

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 3659 / 64
p0 5974 ± 5.216
8000
7500
7000
6500
6000

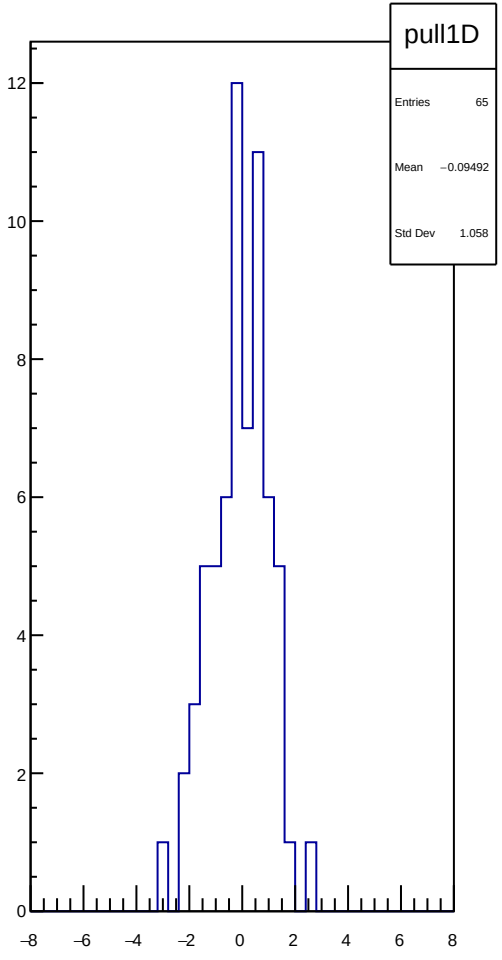

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.33 / 64
p0 9.267e−15 ± 4.213e−14
pull
Entries 65
Mean 53.83
Std Dev 4.594
pull1D
Entries 65
Mean 0.107
Std Dev 1.187

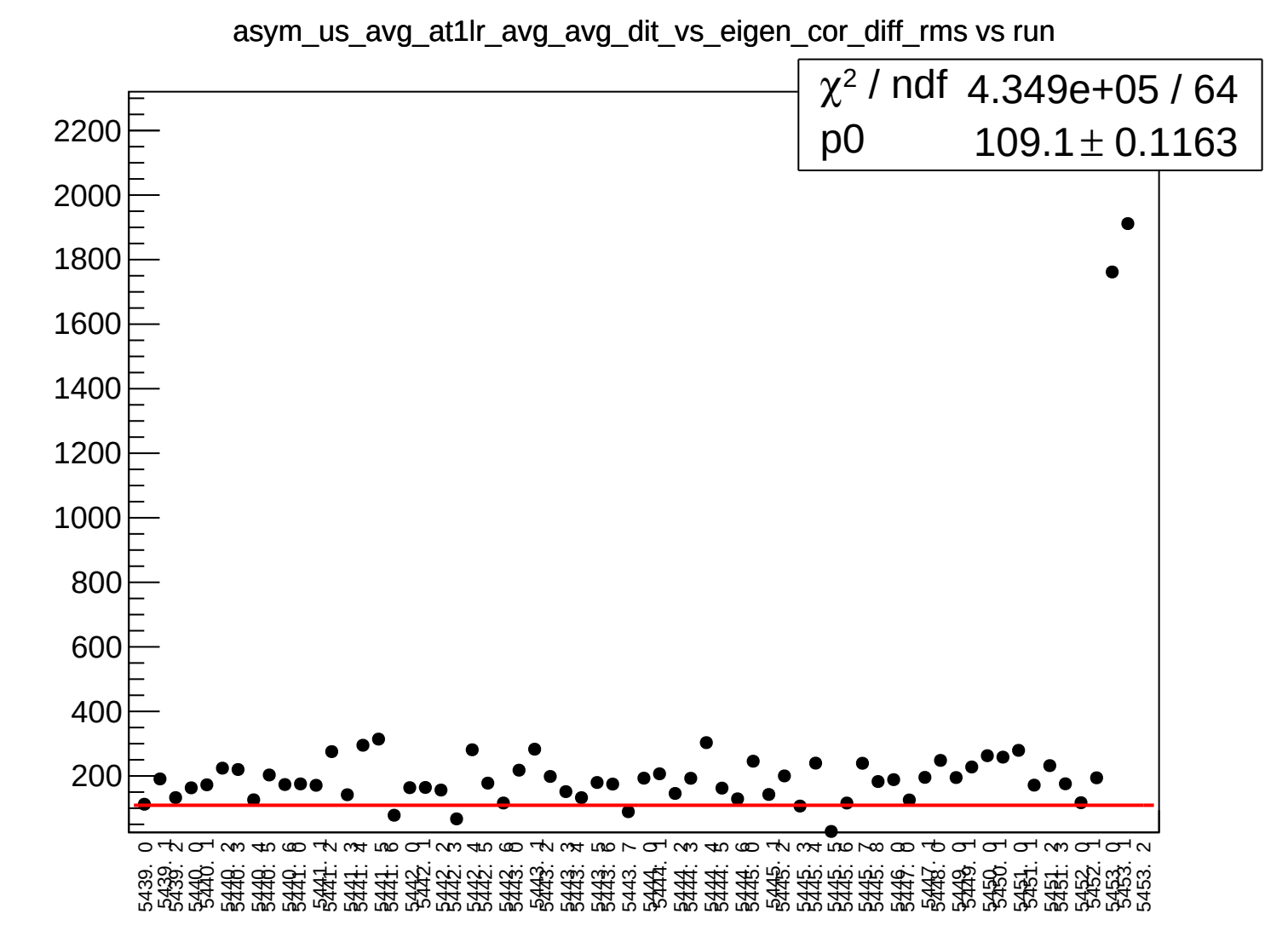

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.5e+05 / 64
p0 2.43e−11 ± 2.979e−14
220
200
180
160
140
120
100
80
60
40
20
0

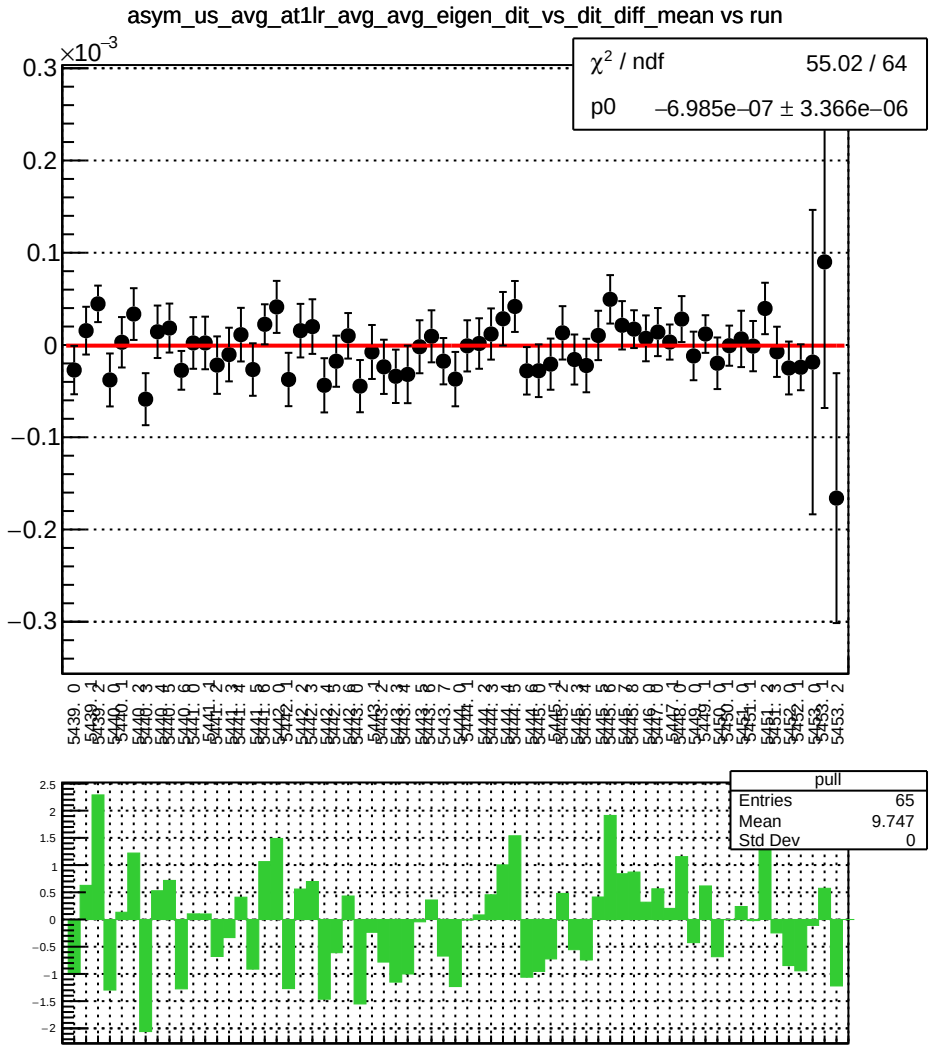

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.35 / 64
p0 −0.3997 ± 0.1645
pull
Entries 65
Mean 18.96
Std Dev 0
pull1D
Entries 65
Mean −0.09492
Std Dev 1.058

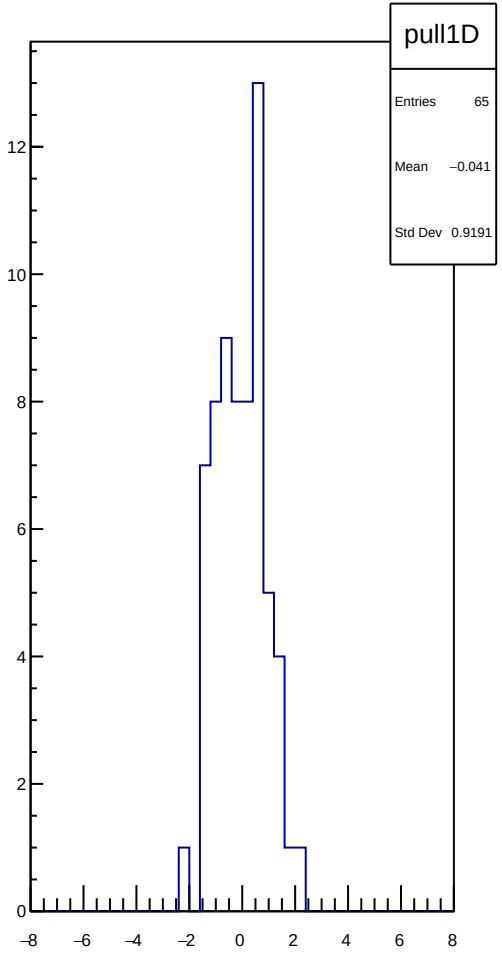

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.349e+05 / 64
p0 109.1 ± 0.1163
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

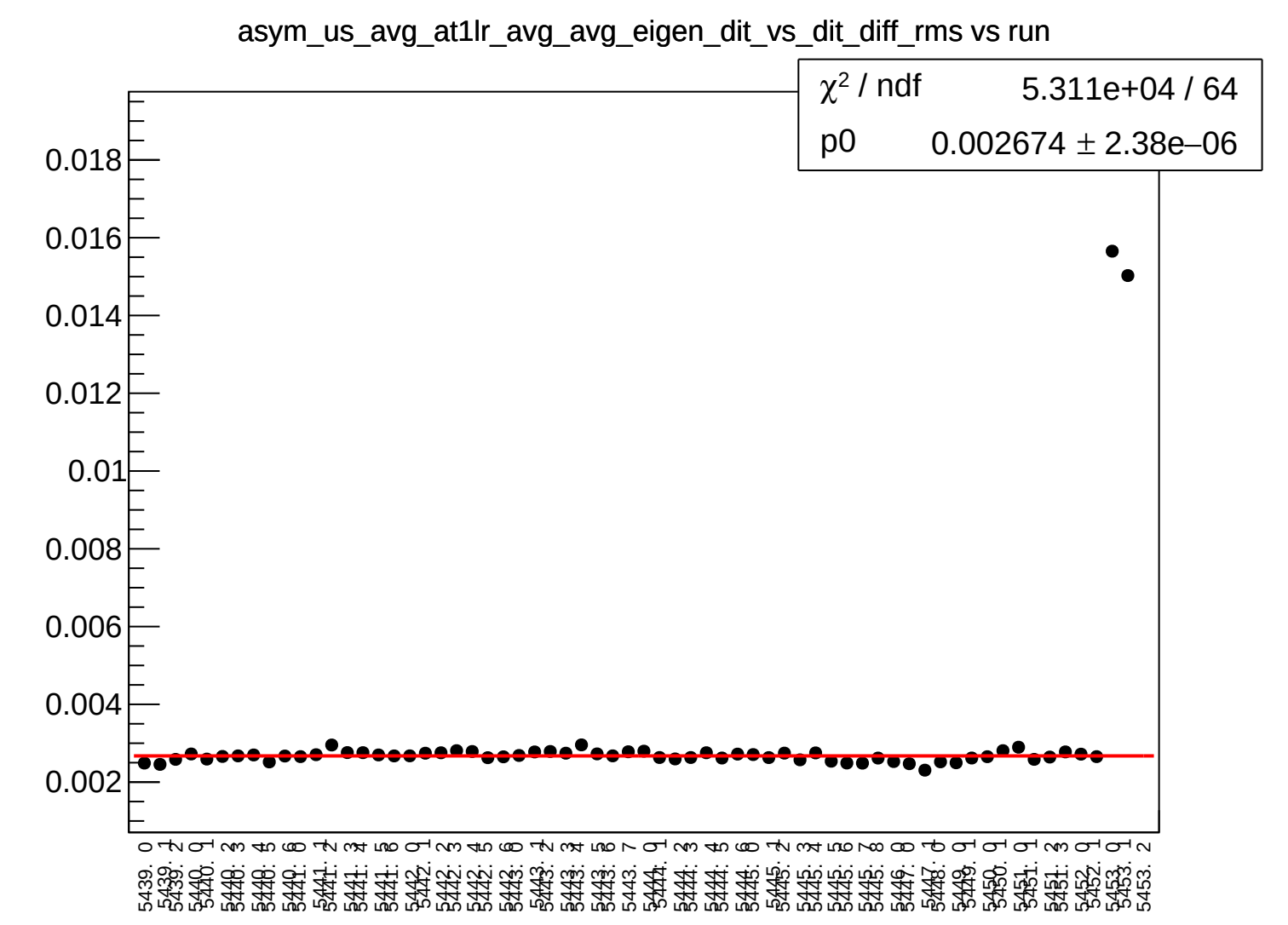

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.35 / 64
p0 −0.3997 ± 0.1645
pull
Entries 65
Mean 18.96
Std Dev 0

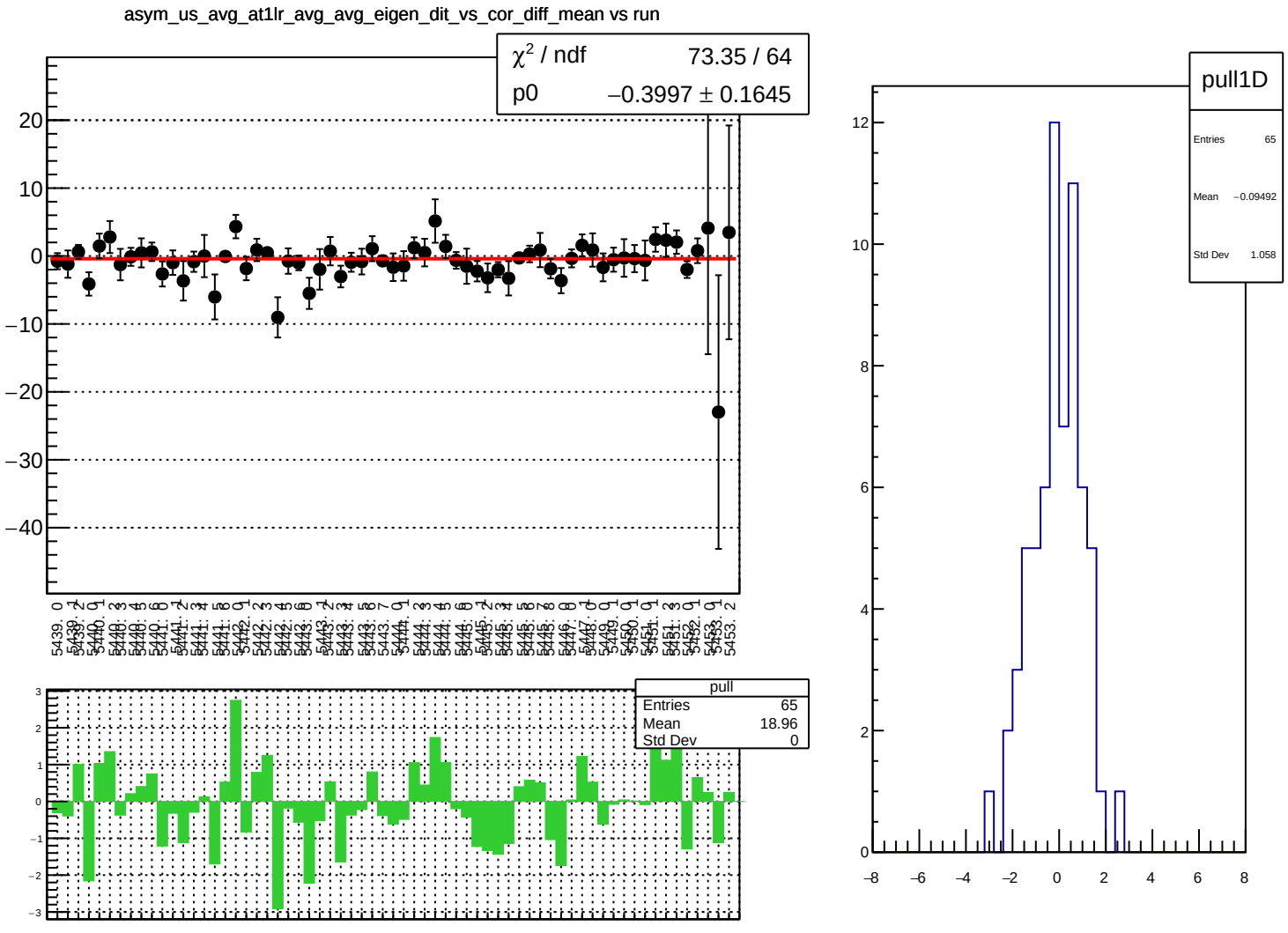

pull1D
Entries 65
Mean −0.09492
Std Dev 1.058

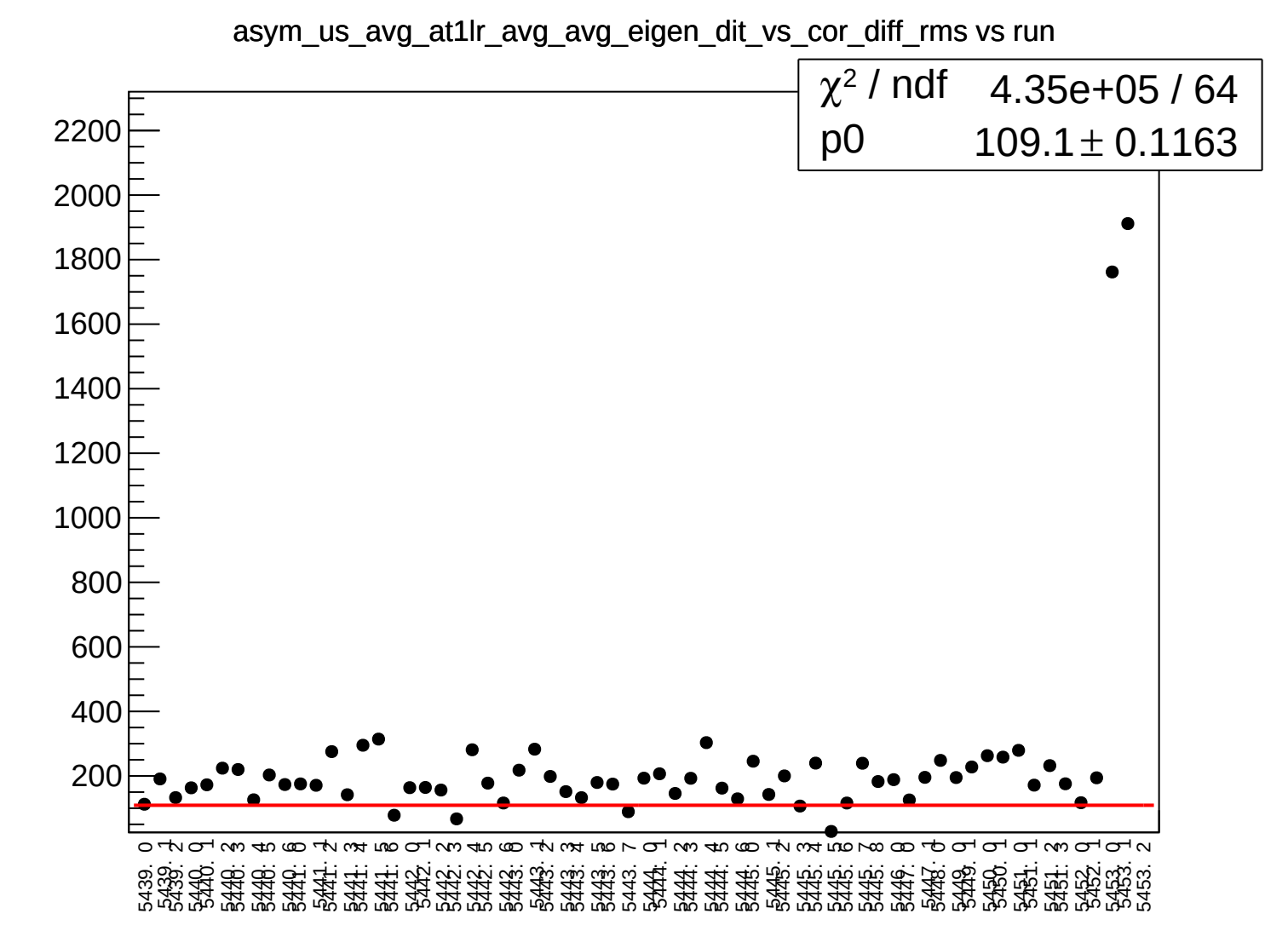

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.349e+05 / 64
p0 109.1 ± 0.1163
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

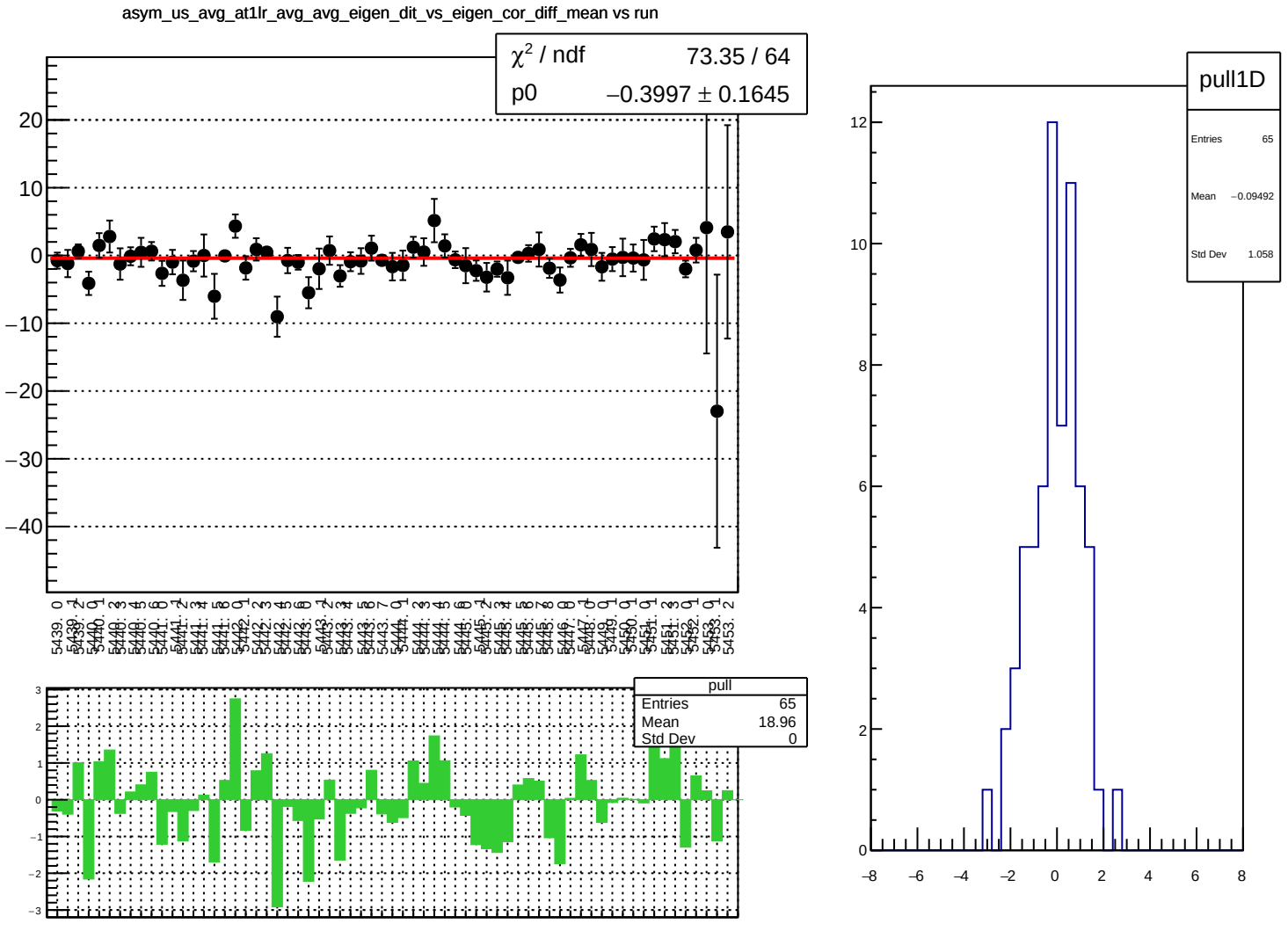

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.02 / 64
p0 −6.985e−07 ± 3.366e−06
pull
Entries 65
Mean 9.747
Std Dev 0

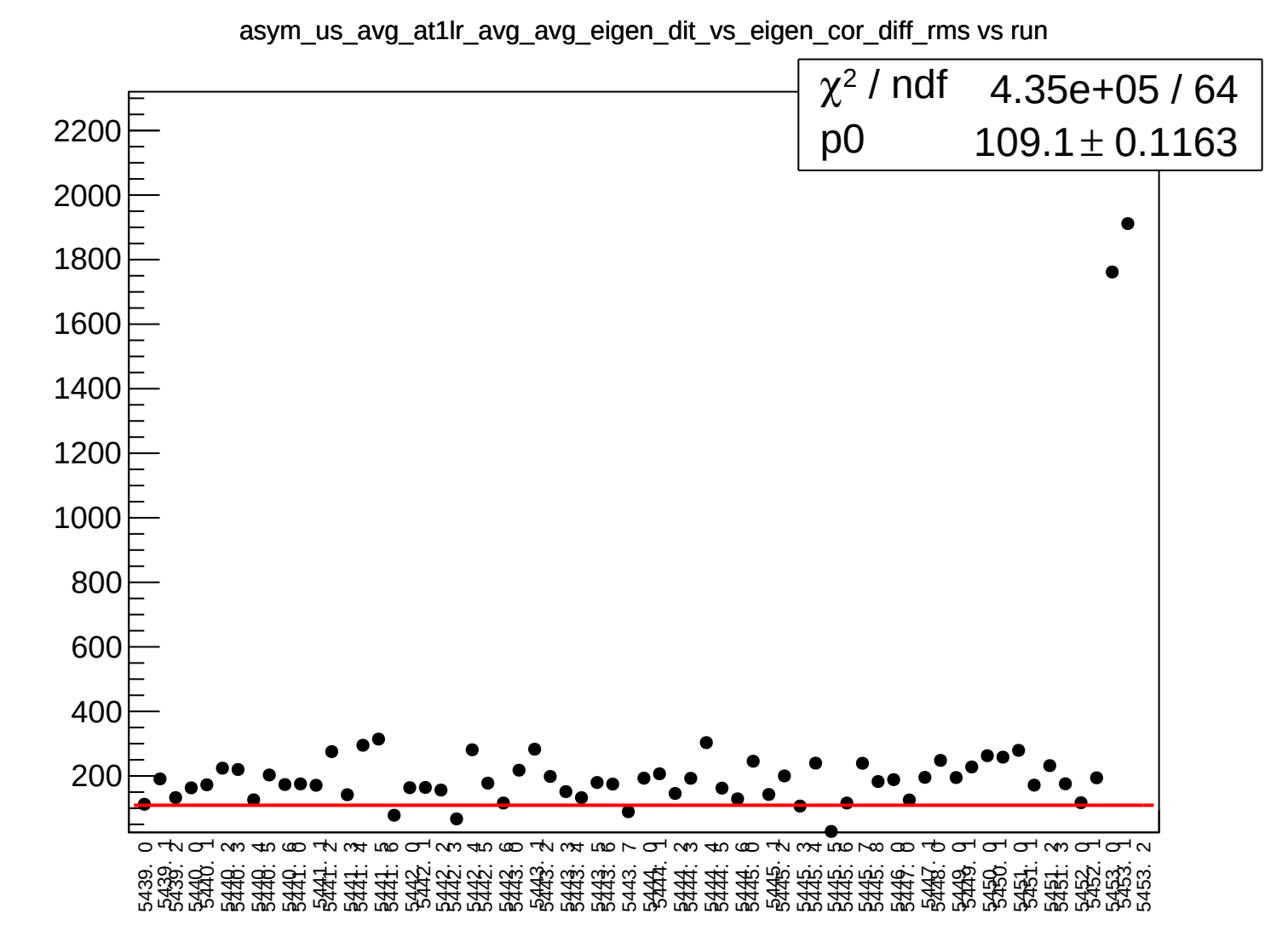

pull1D
Entries 65
Mean −0.041
Std Dev 0.9191

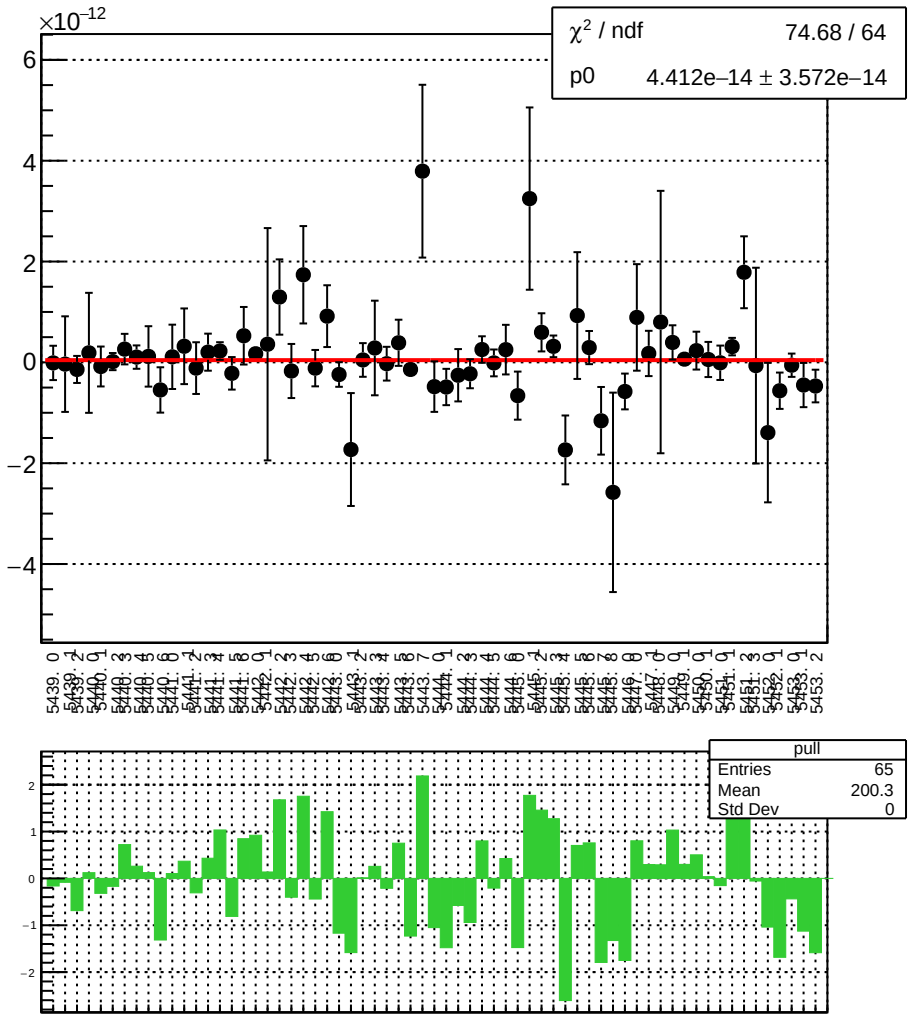

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.311e+04 / 64
p0 0.002674 ± 2.38e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

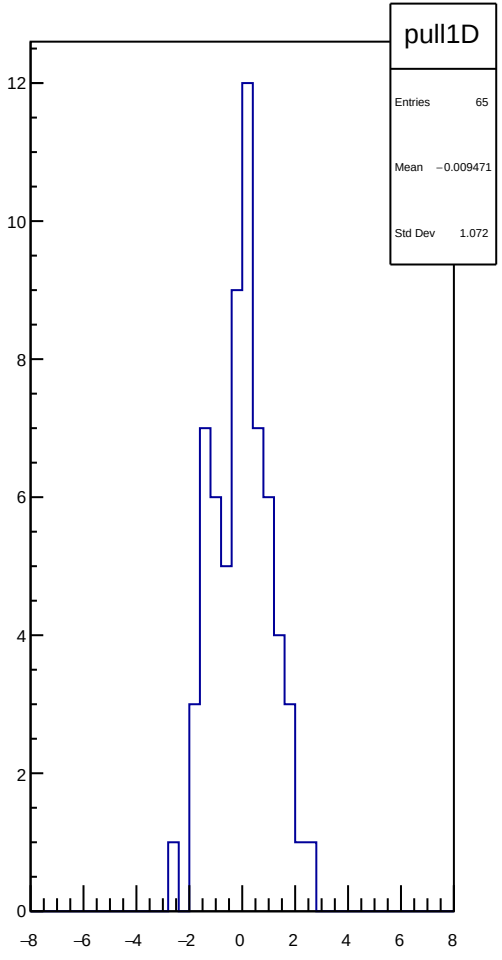

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.35 / 64
p0 −0.3997 ± 0.1645
pull
Entries 65
Mean 18.96
Std Dev 0
pull1D
Entries 65
Mean −0.09492
Std Dev 1.058

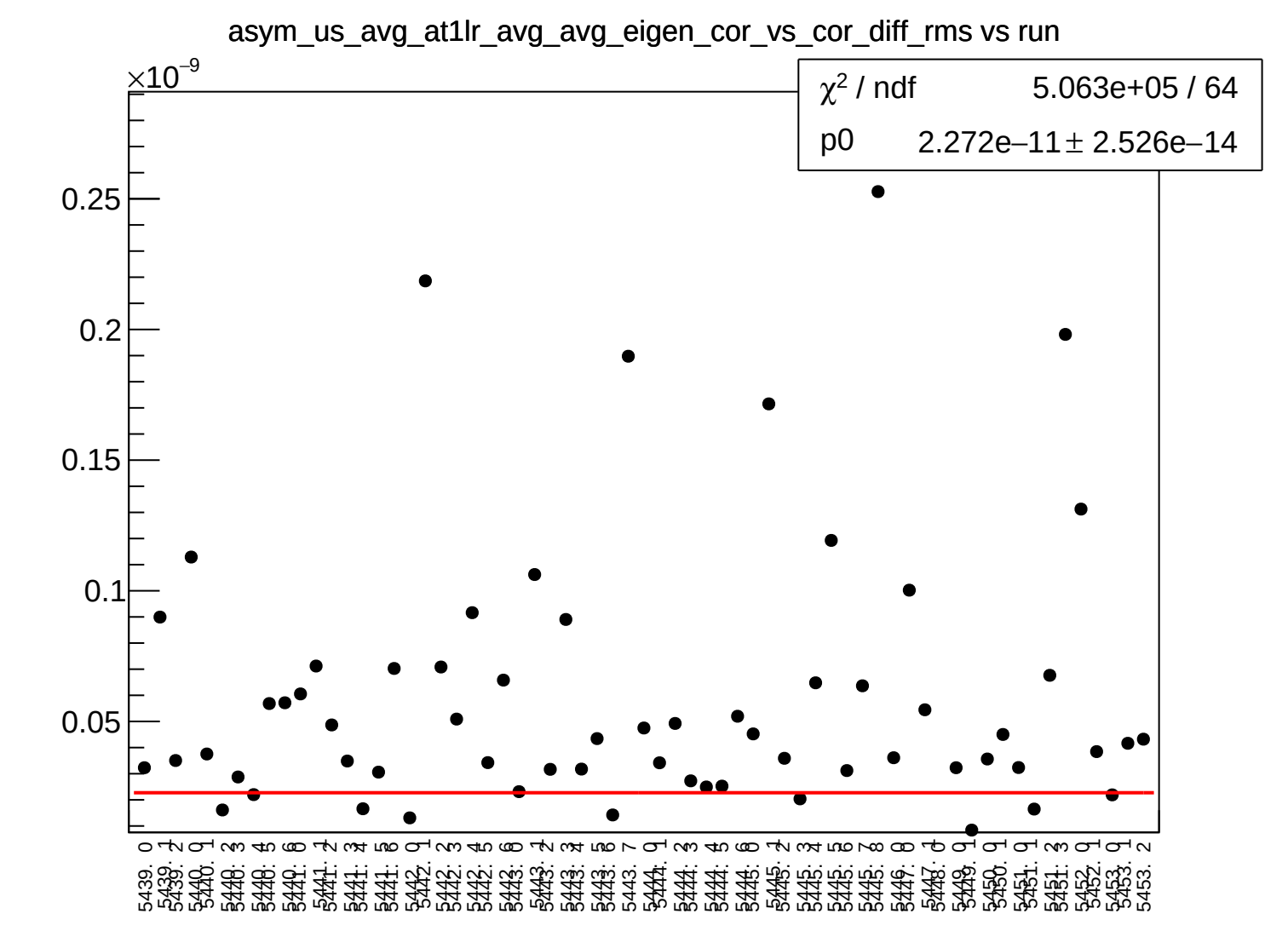

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.35e+05 / 64
p0 109.1 ± 0.1163
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

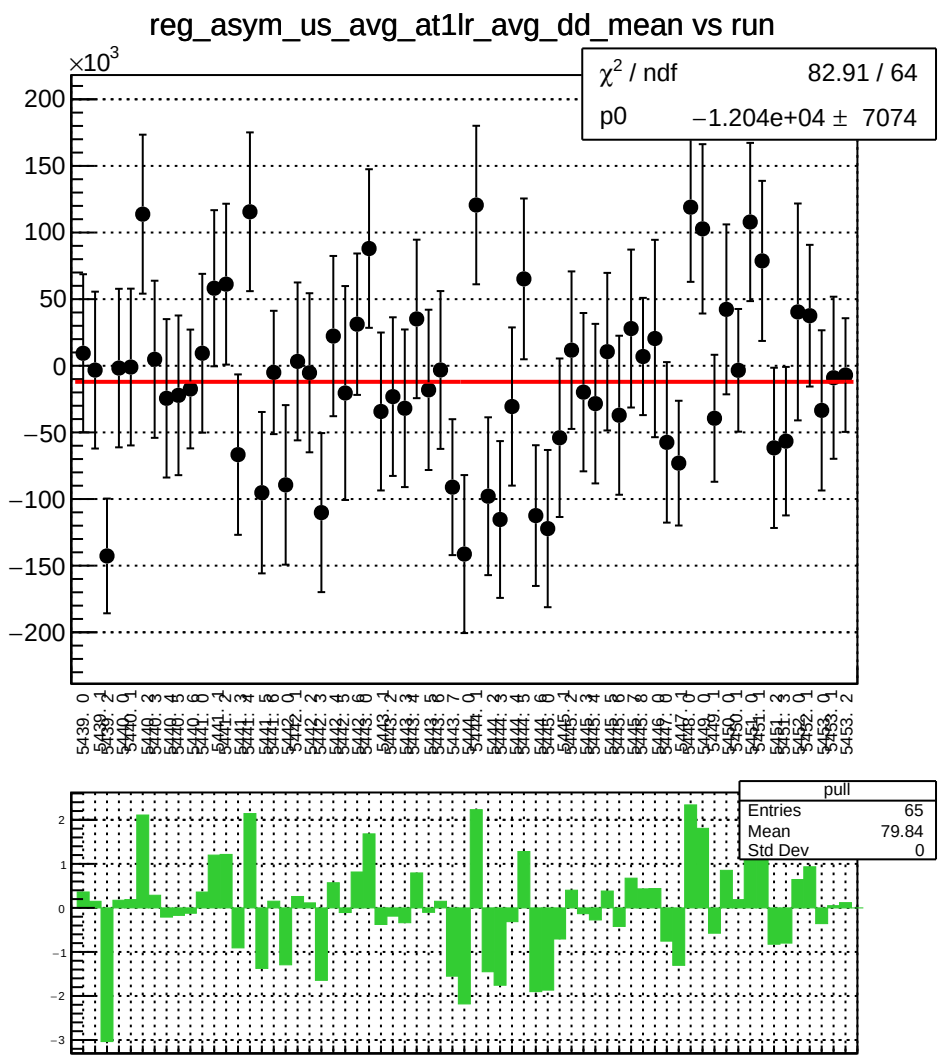

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.35 / 64
p0 −0.3997 ± 0.1645
pull
Entries 65
Mean 18.96
Std Dev 0
pull1D
Entries 65
Mean −0.09492
Std Dev 1.058

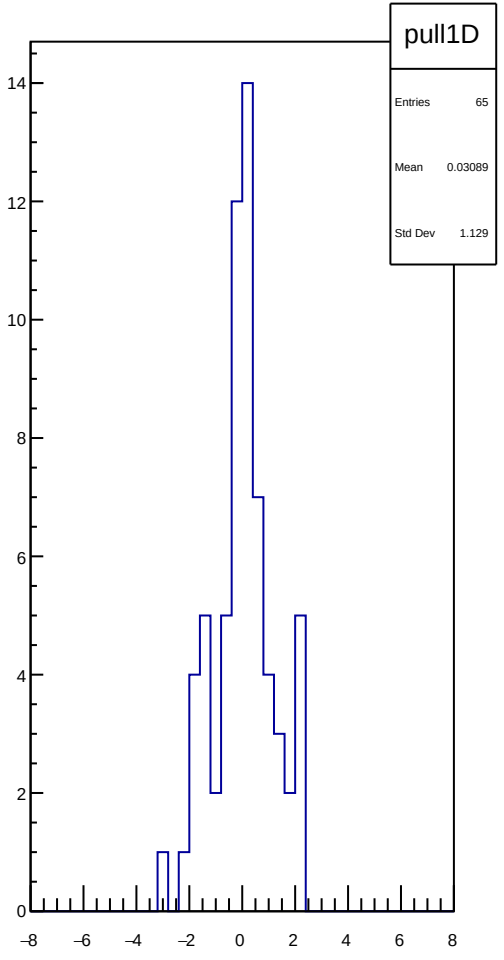

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.35e+05 / 64
p0 109.1 ± 0.1163
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

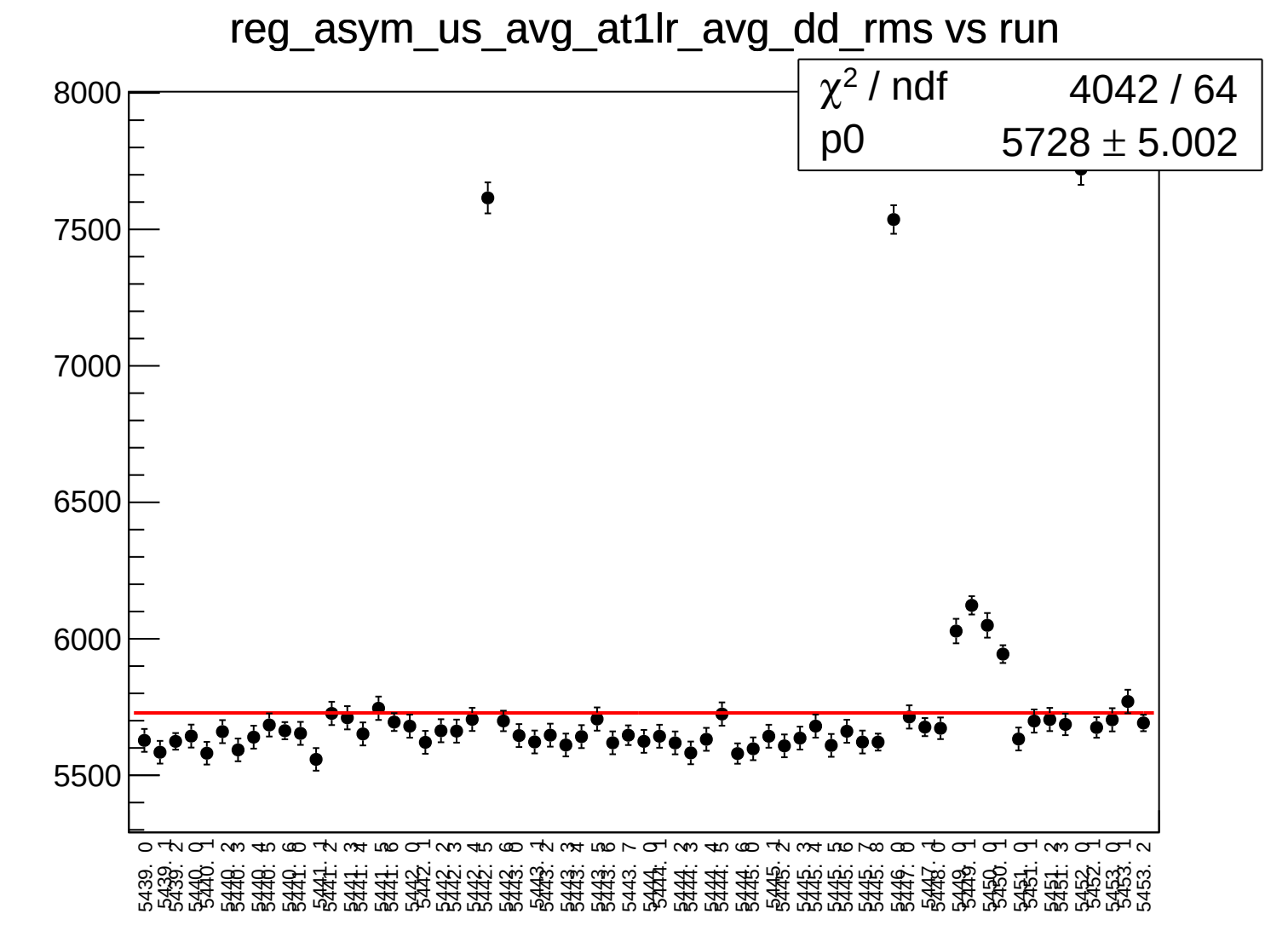

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.68 / 64
p0 4.412e−14 ± 3.572e−14
pull
Entries 65
Mean 200.3
Std Dev 0

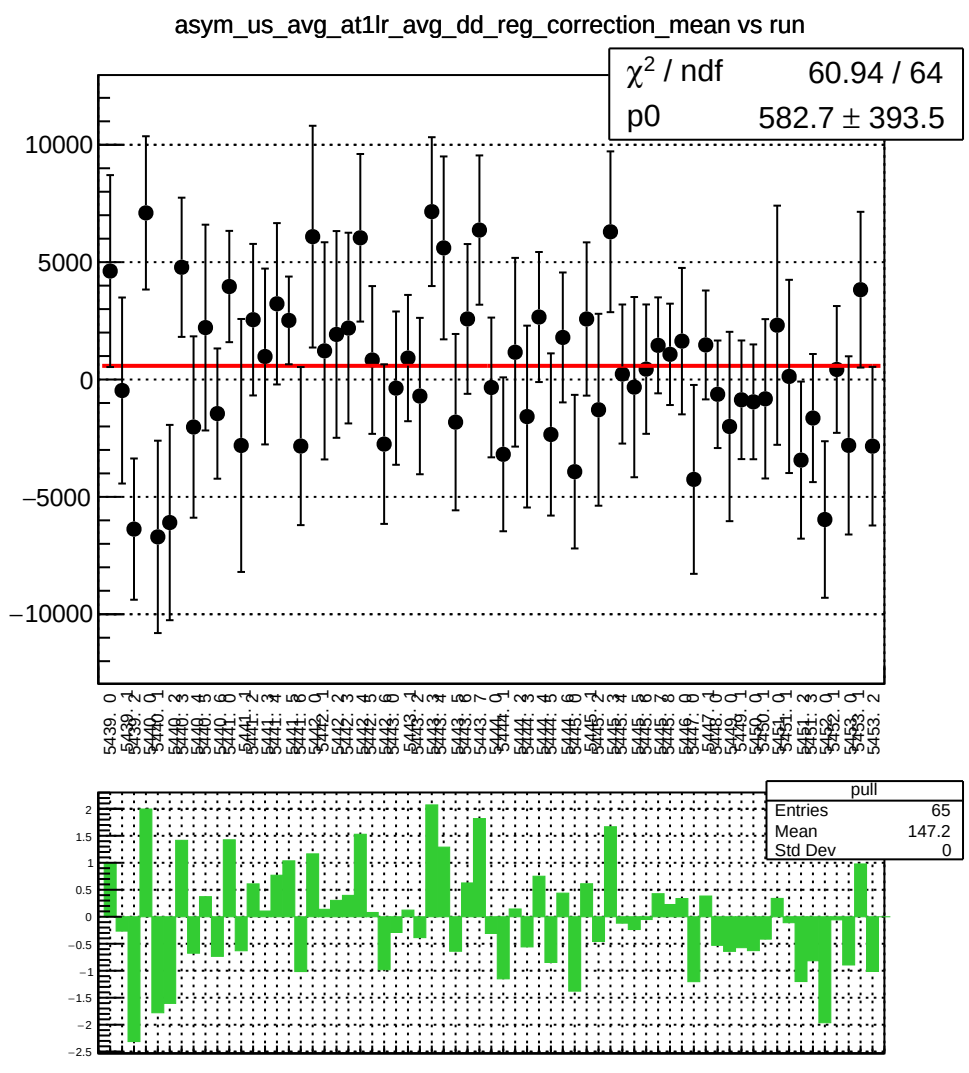

pull1D
Entries 65
Mean −0.009471
Std Dev 1.072

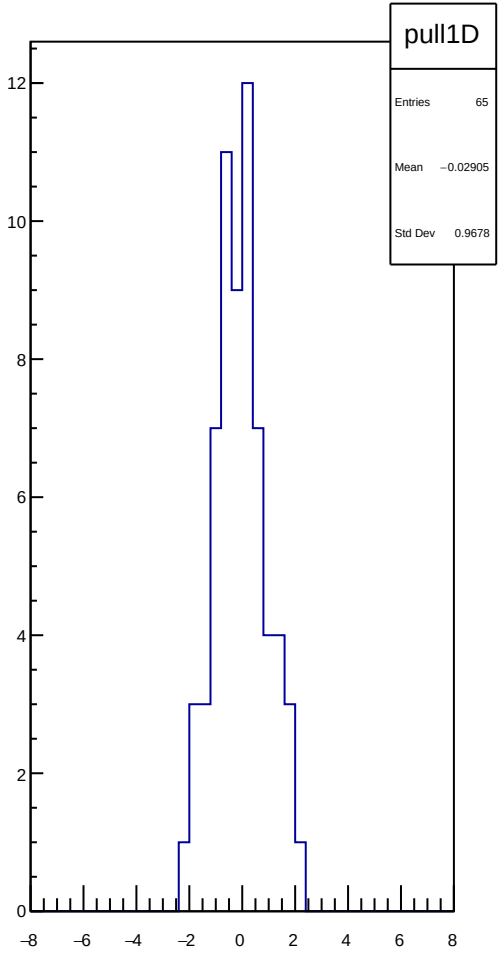

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.063e+05 / 64
p0 2.272e−11 ± 2.526e−14
0.25
0.2
0.15
0.1
0.05

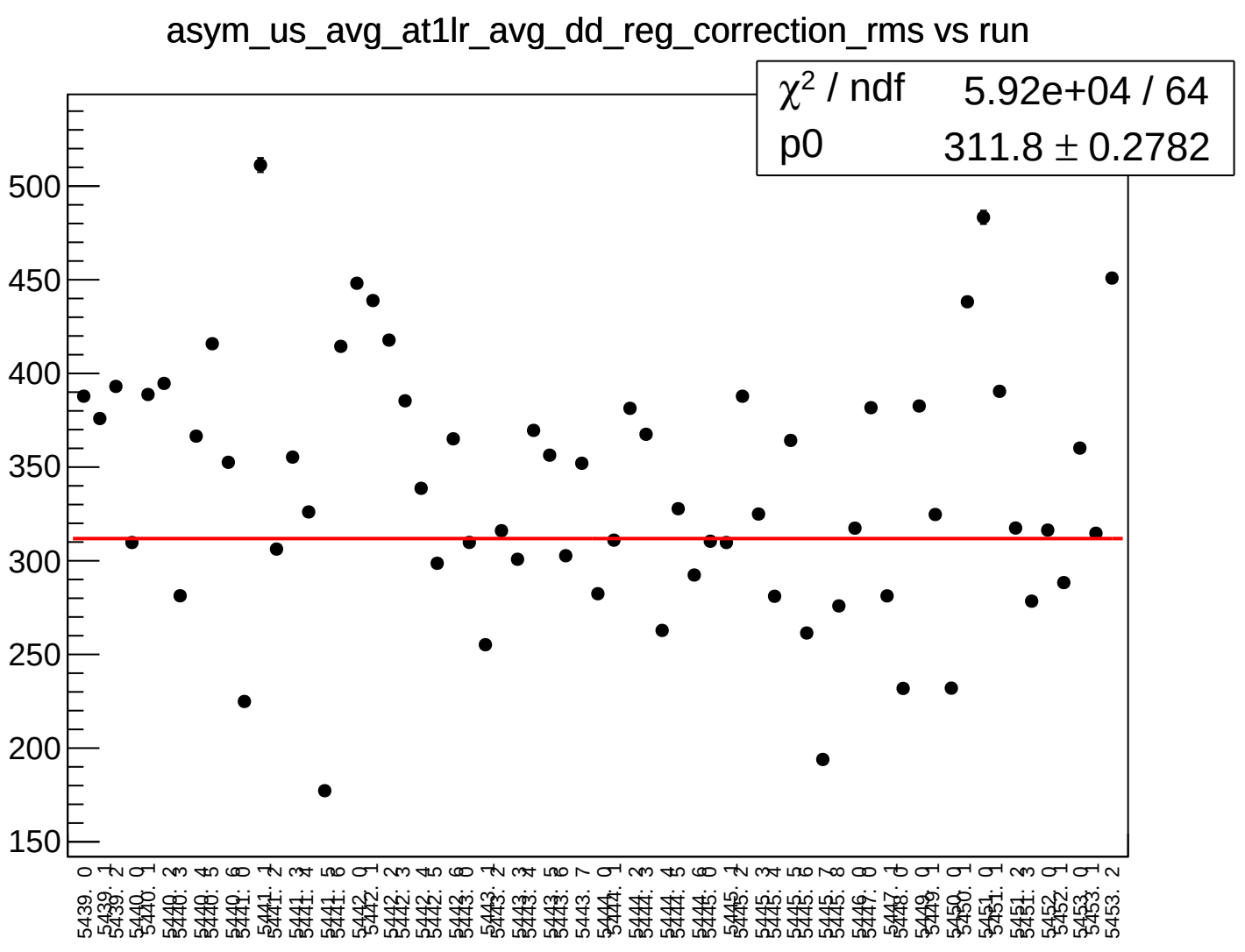

reg_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 82.91 / 64
p0 −1.204e+04 ± 7074
pull
Entries 65
Mean 79.84
Std Dev 0

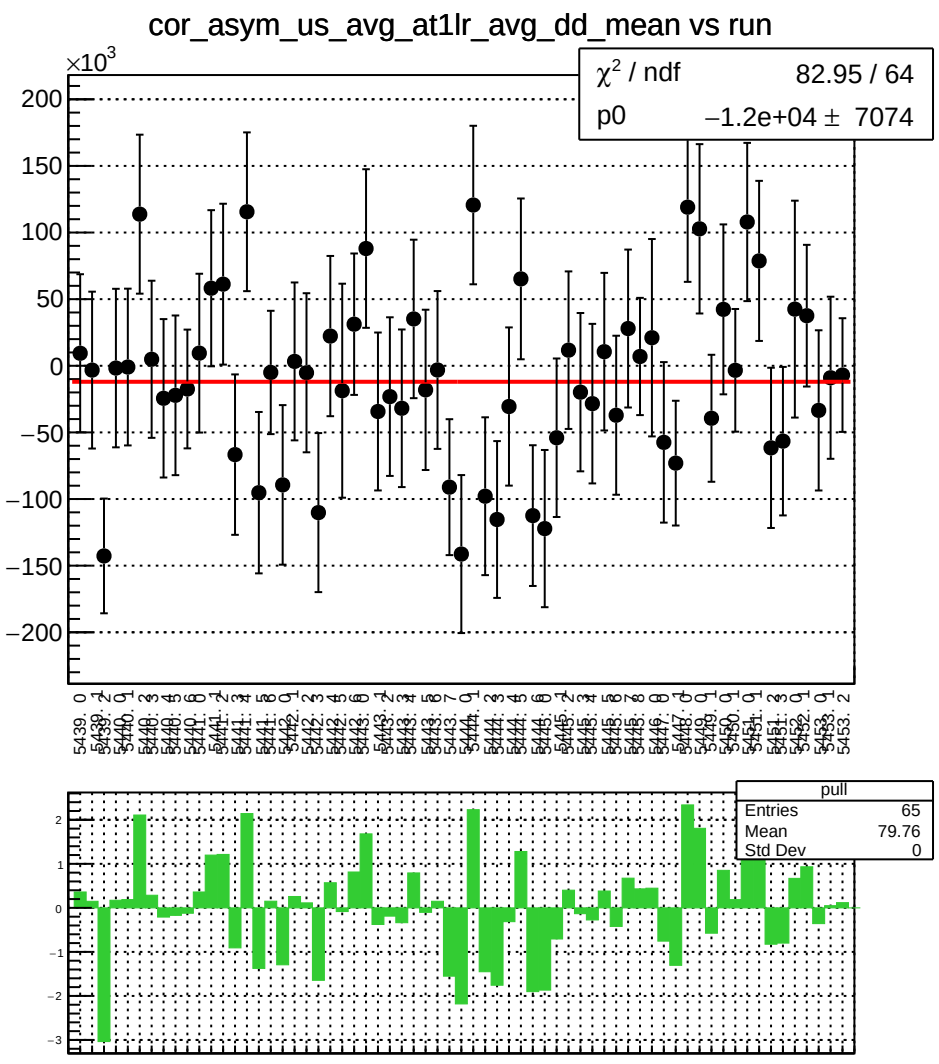

pull1D
Entries 65
Mean 0.03089
Std Dev 1.129

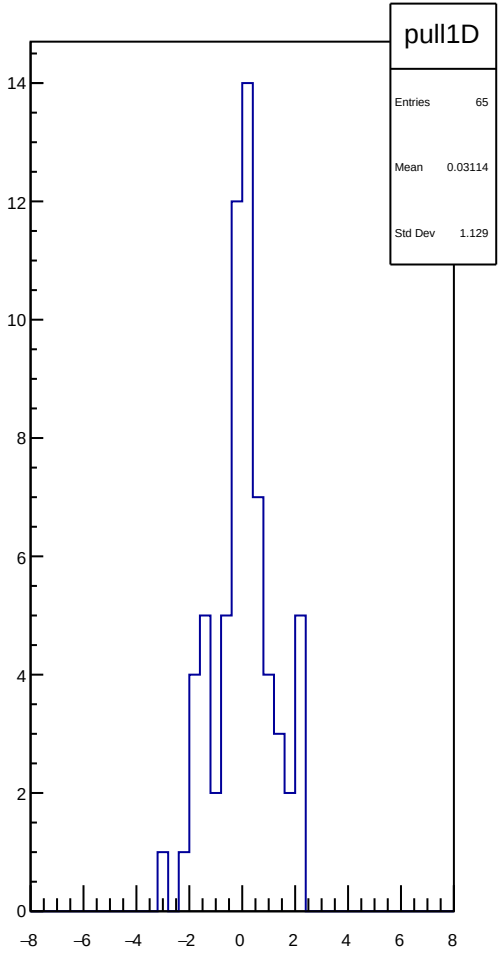

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 4042 / 64
p0 5728 ± 5.002
8000
7500
7000
6500
6000
5500

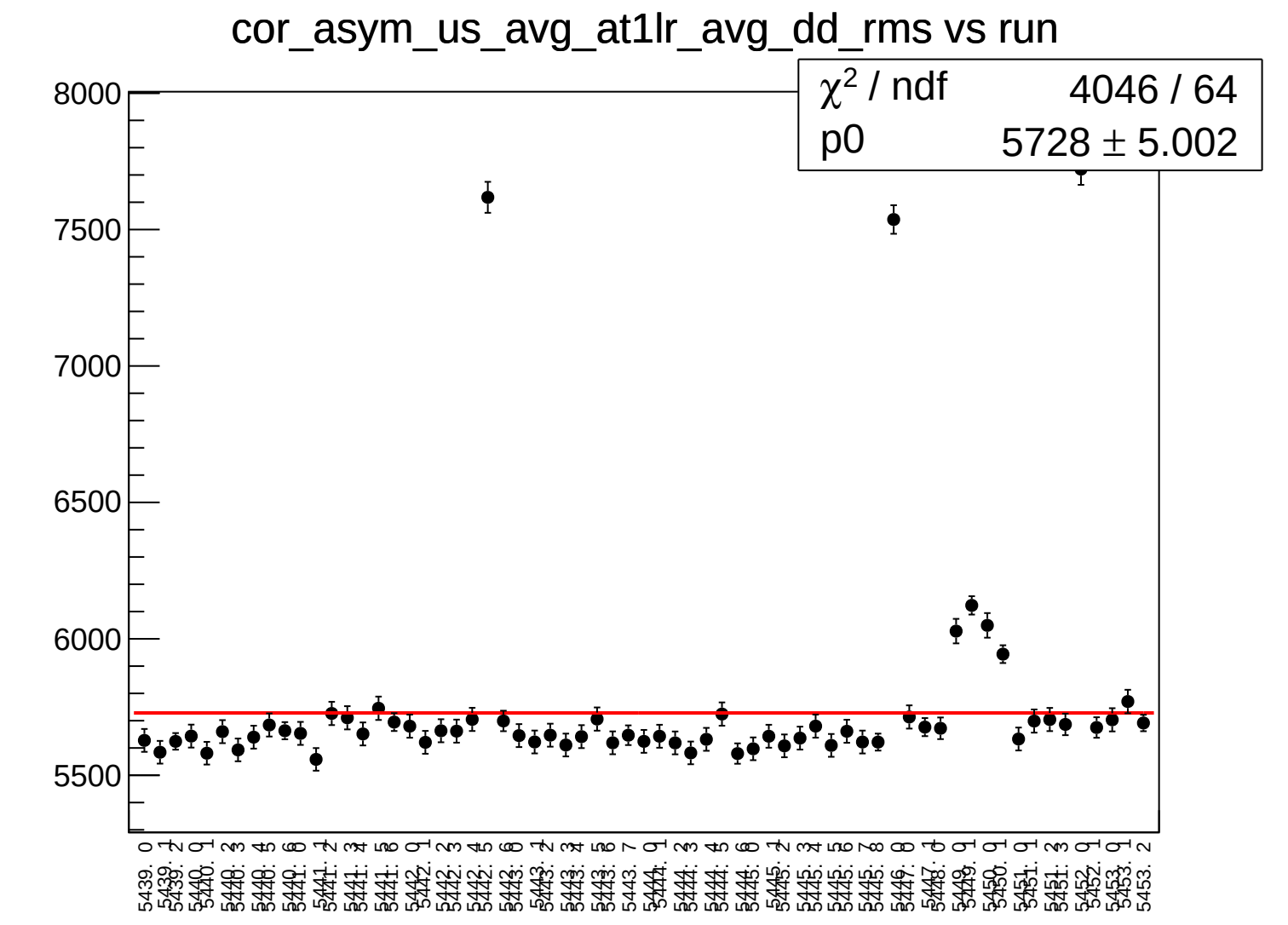

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 60.94 / 64
p0 582.7 ± 393.5
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 147.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

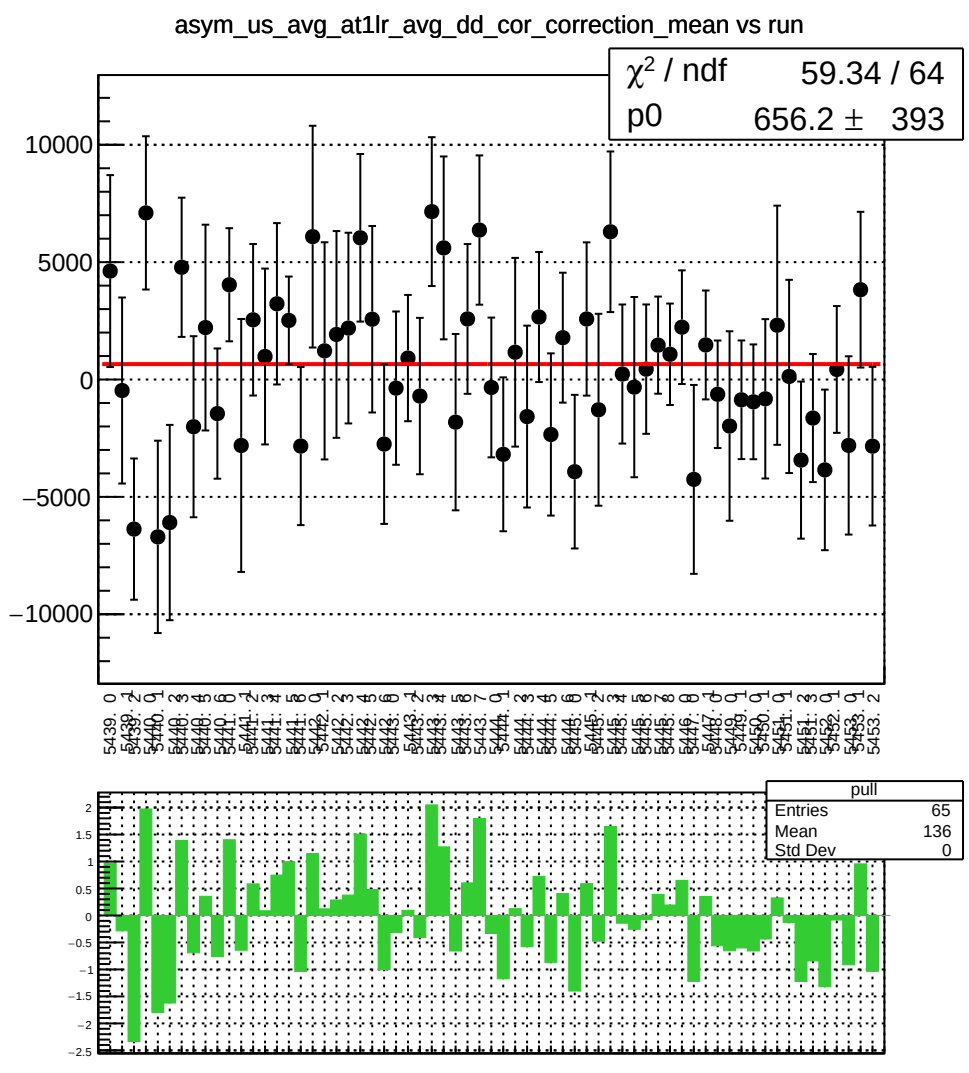

pull1D
Entries 65
Mean −0.02905
Std Dev 0.9678
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

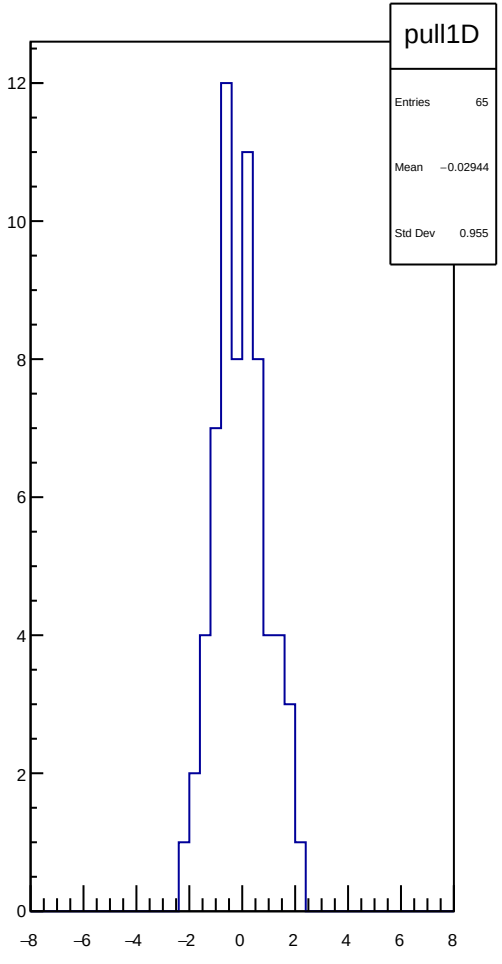

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 5.92e+04 / 64
p0 311.8 ± 0.2782
500
450
400
350
300
250
200
150

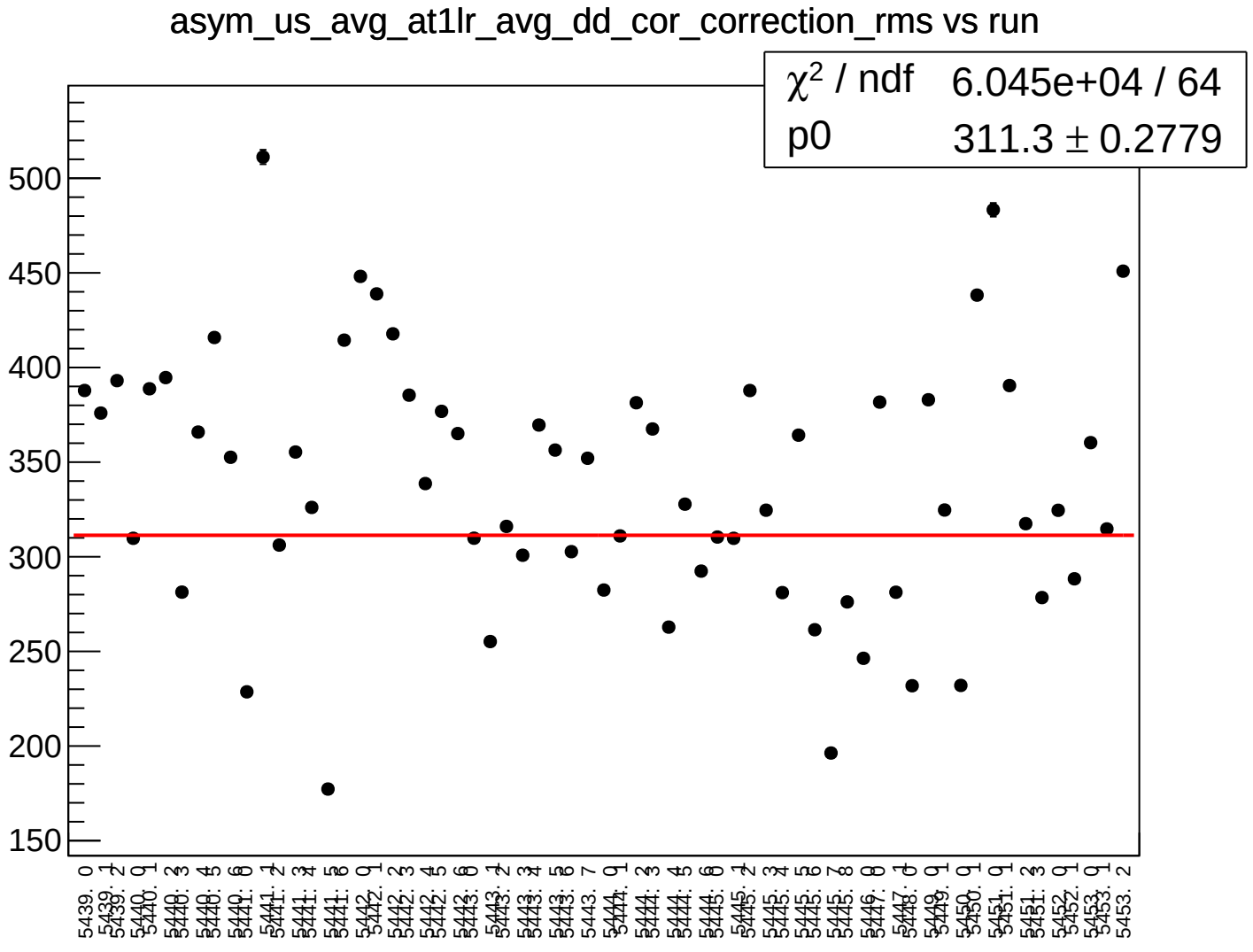

cor_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 82.95 / 64
p0 −1.2e+04 ± 7074
pull
Entries 65
Mean 79.76
Std Dev 0

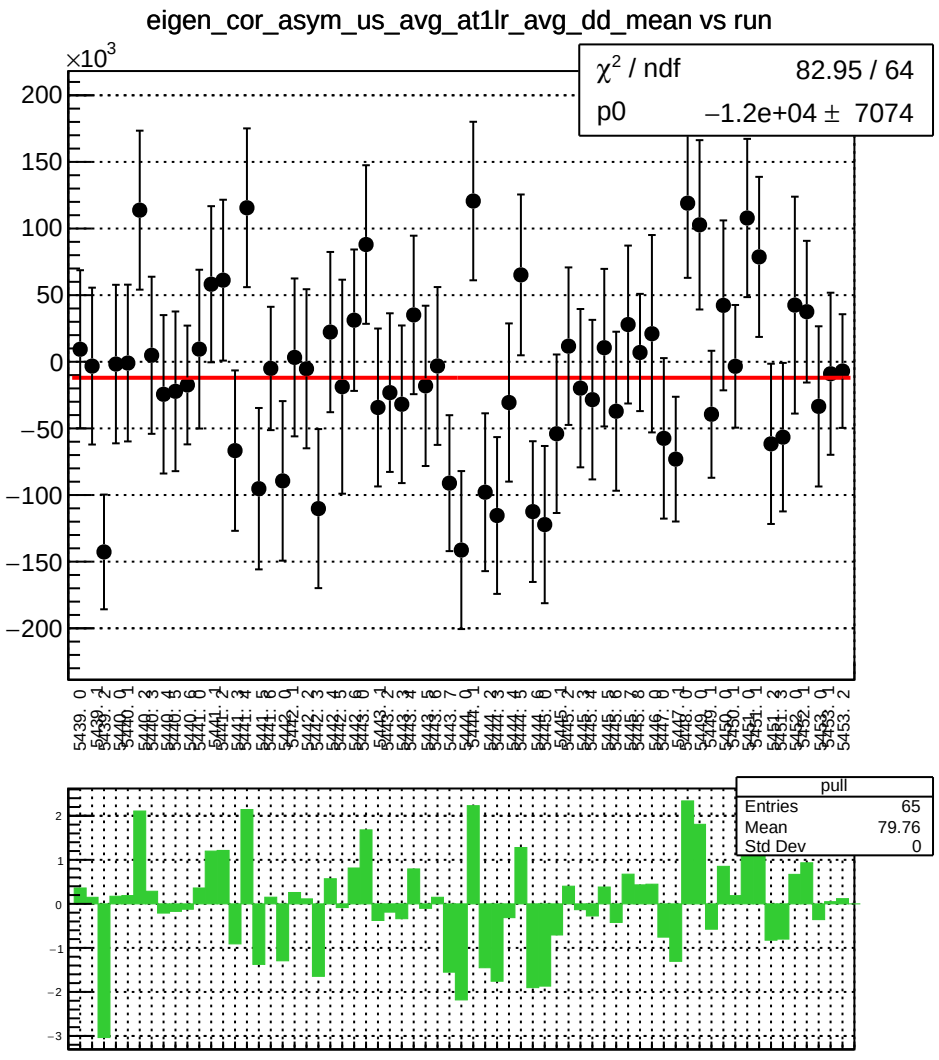

pull1D
Entries 65
Mean 0.03114
Std Dev 1.129

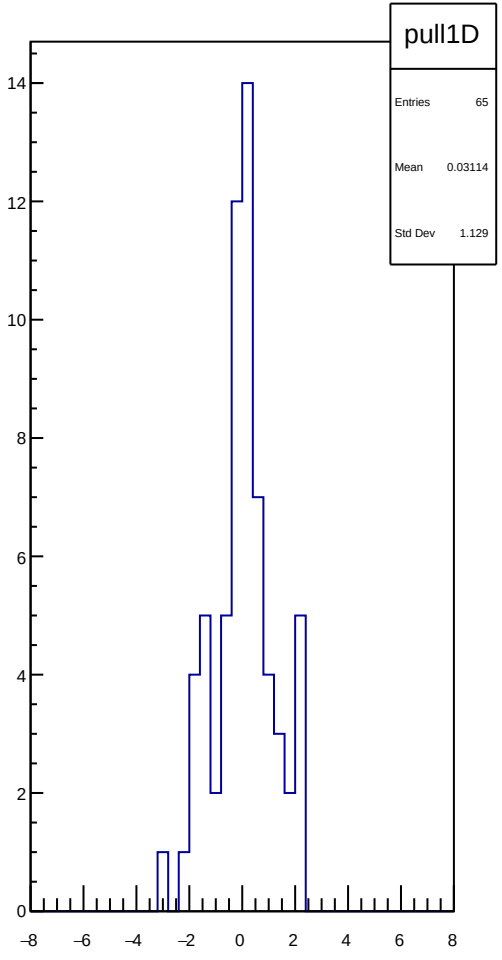

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 4046 / 64
p0 5728 ± 5.002
8000
7500
7000
6500
6000
5500

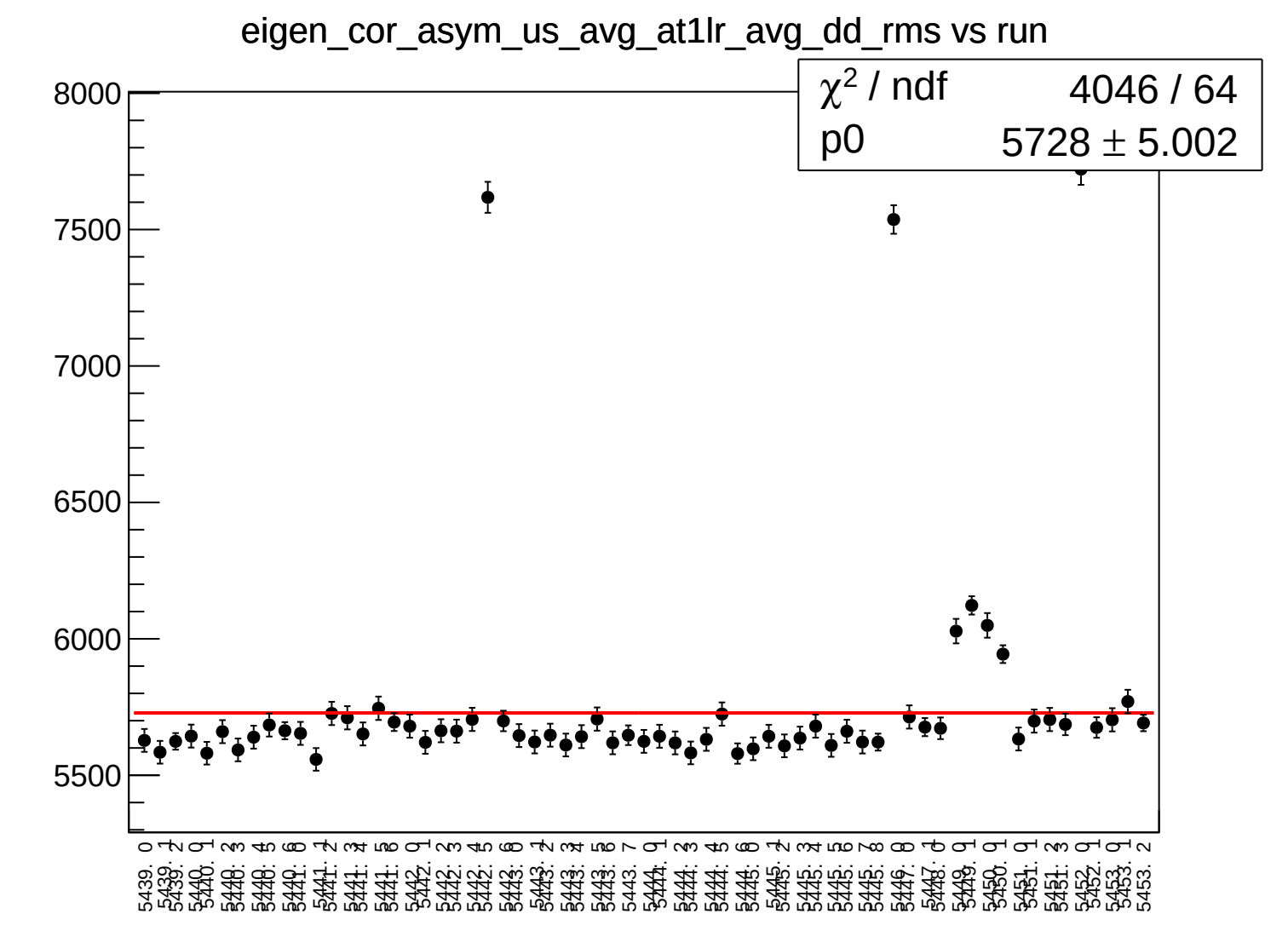

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 59.34 / 64
p0 656.2 ± 393
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 136
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

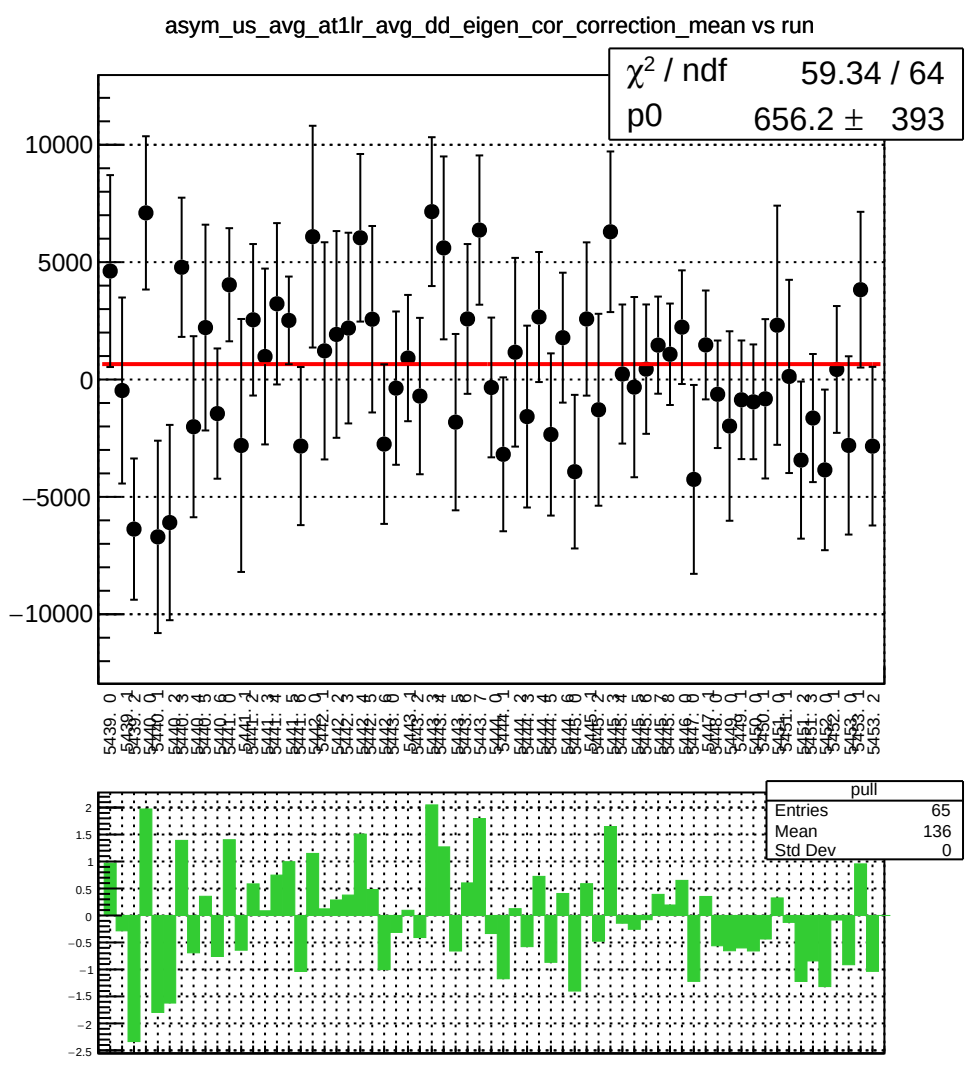

pull1D
Entries 65
Mean −0.02944
Std Dev 0.955
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

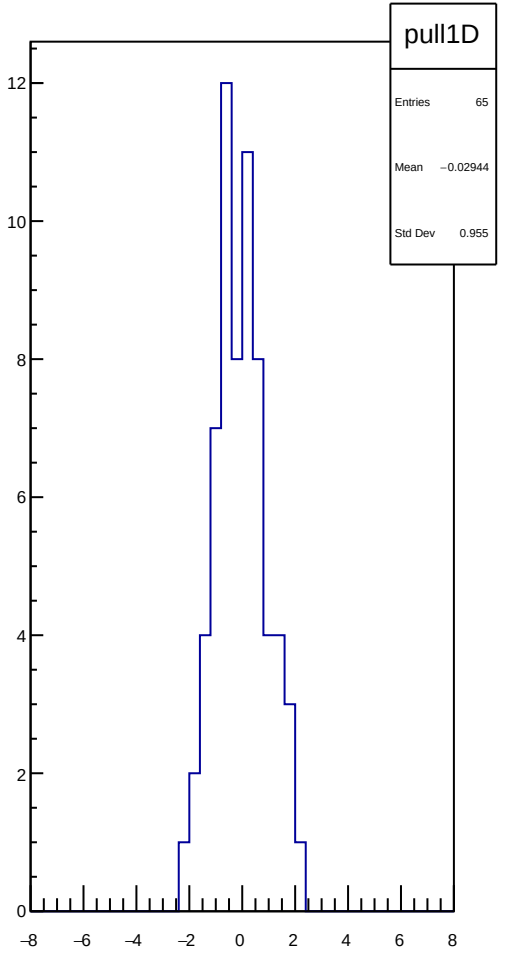

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 6.045e+04 / 64
p0 311.3 ± 0.2779
500
450
400
350
300
250
200
150

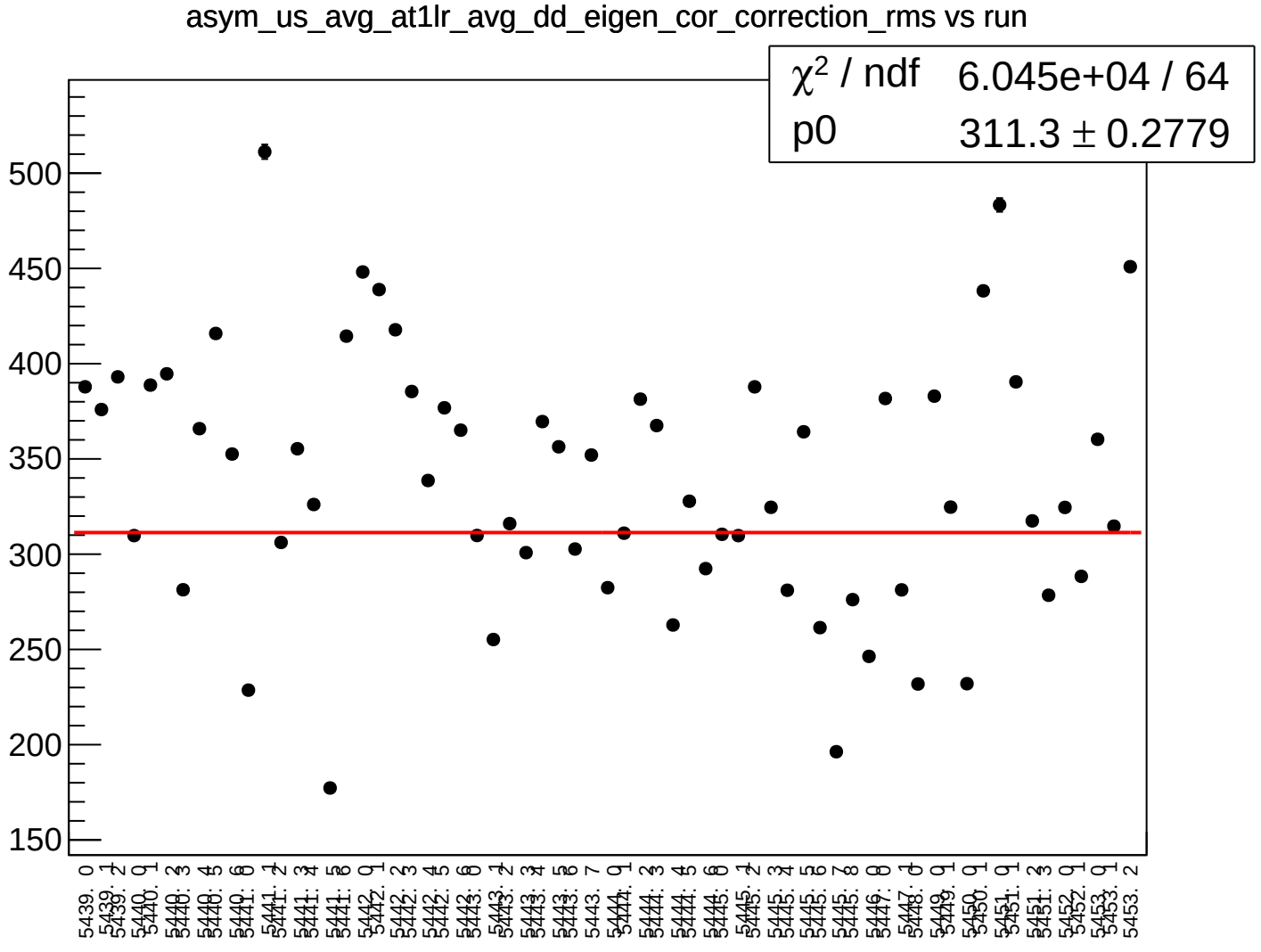

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 82.95 / 64
p0 −1.2e+04 ± 7074
pull
Entries 65
Mean 79.76
Std Dev 0

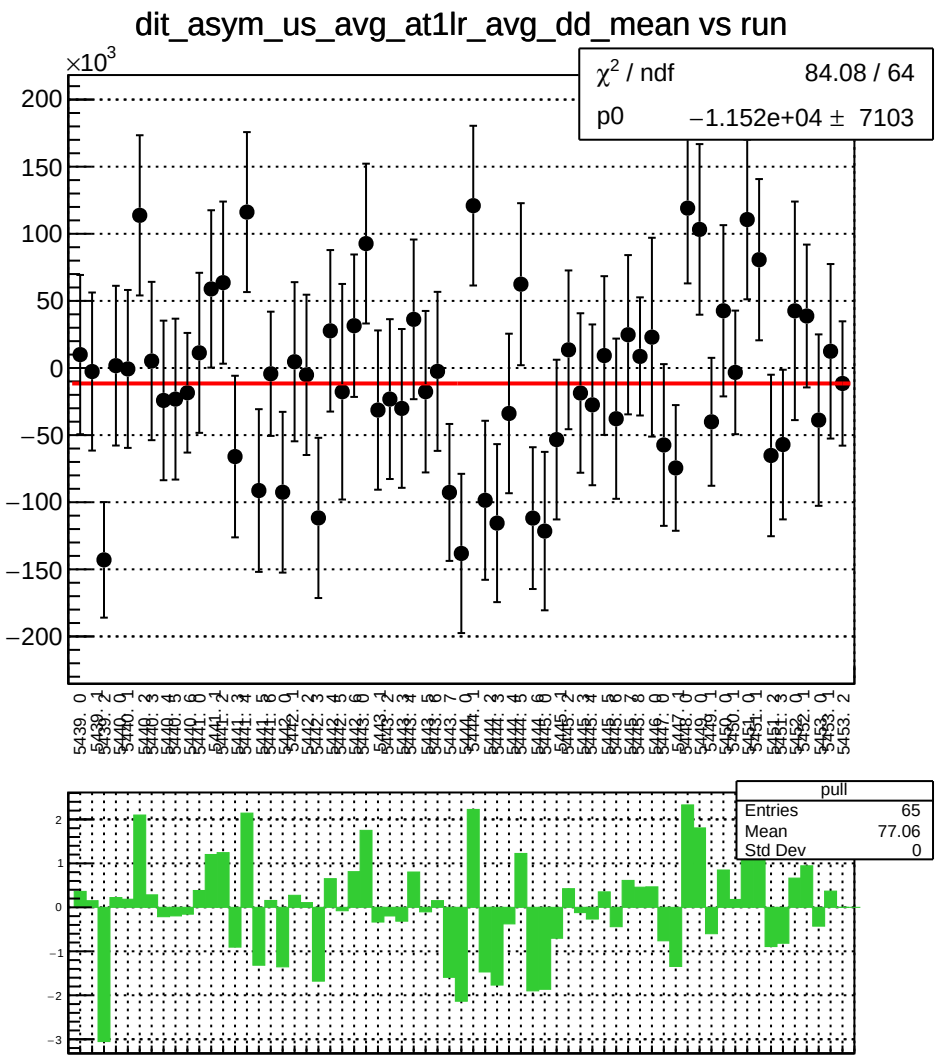

pull1D
Entries 65
Mean 0.03114
Std Dev 1.129

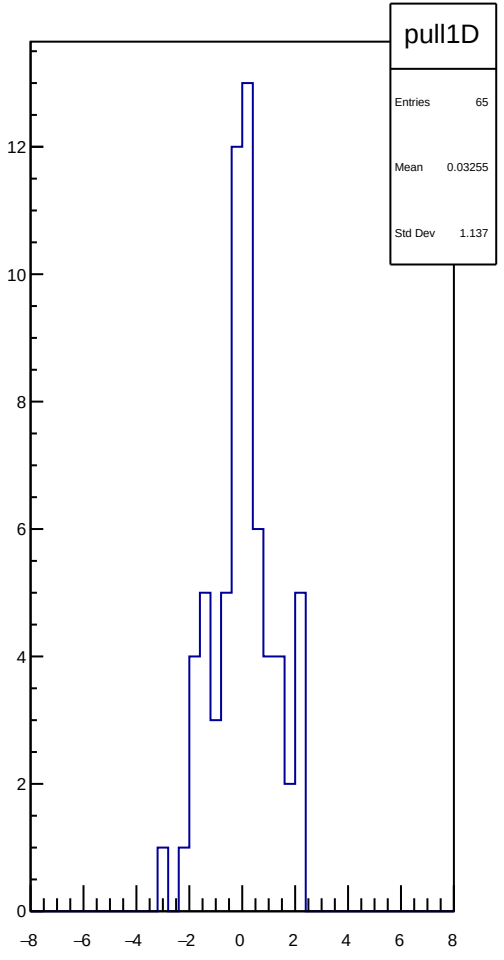

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 4046 / 64
p0 5728 ± 5.002
8000
7500
7000
6500
6000
5500

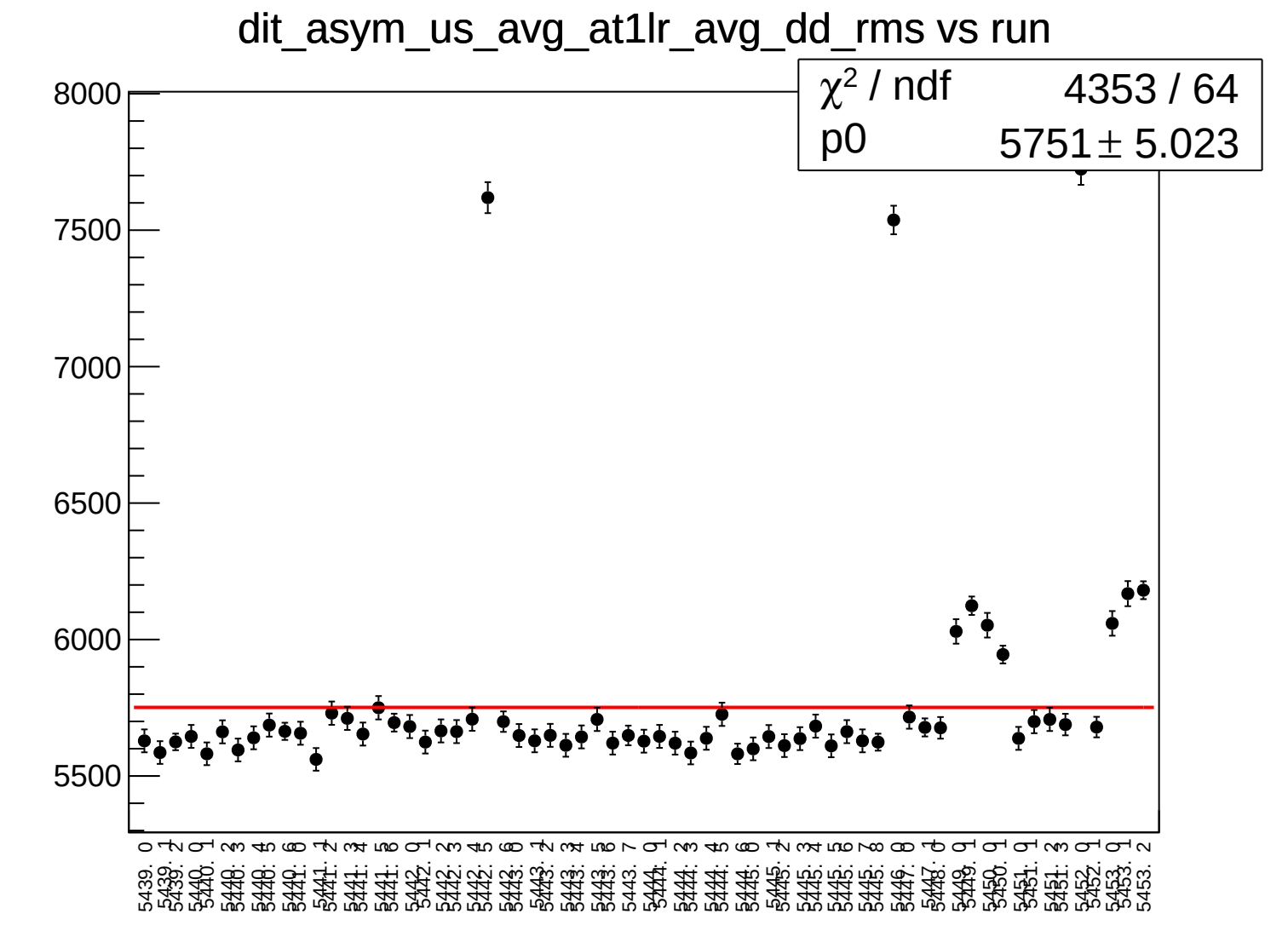

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.34 / 64
p0 656.2 ± 393
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 136
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

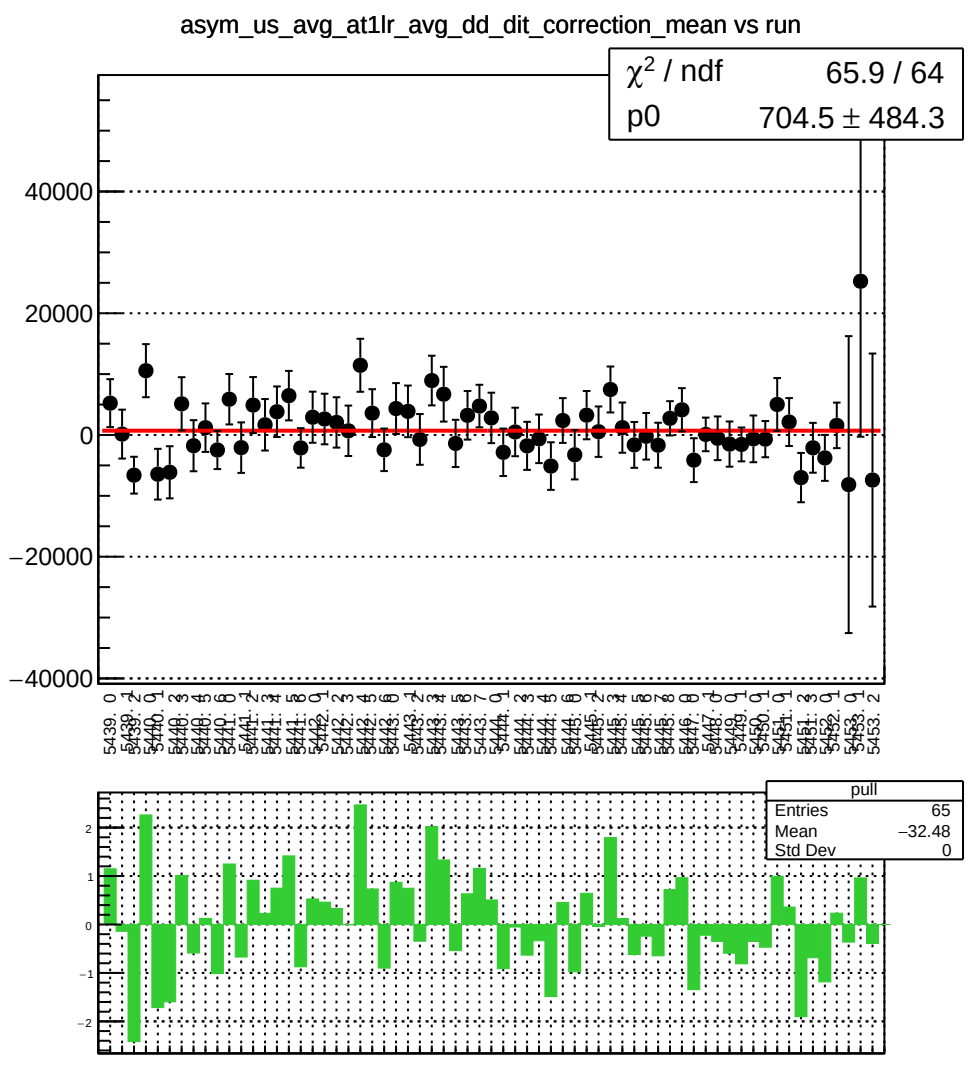

pull1D
Entries 65
Mean −0.02944
Std Dev 0.955
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

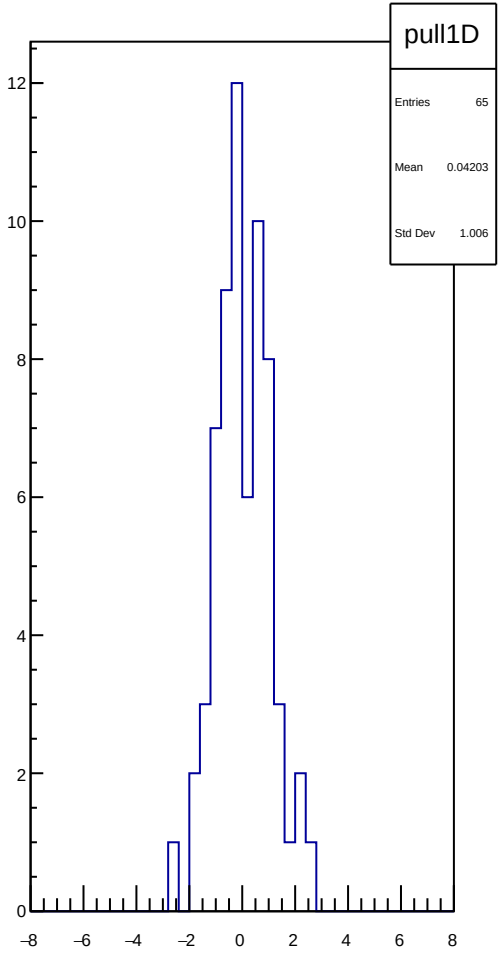

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.045e+04 / 64
p0 311.3 ± 0.2779
500
450
400
350
300
250
200
150

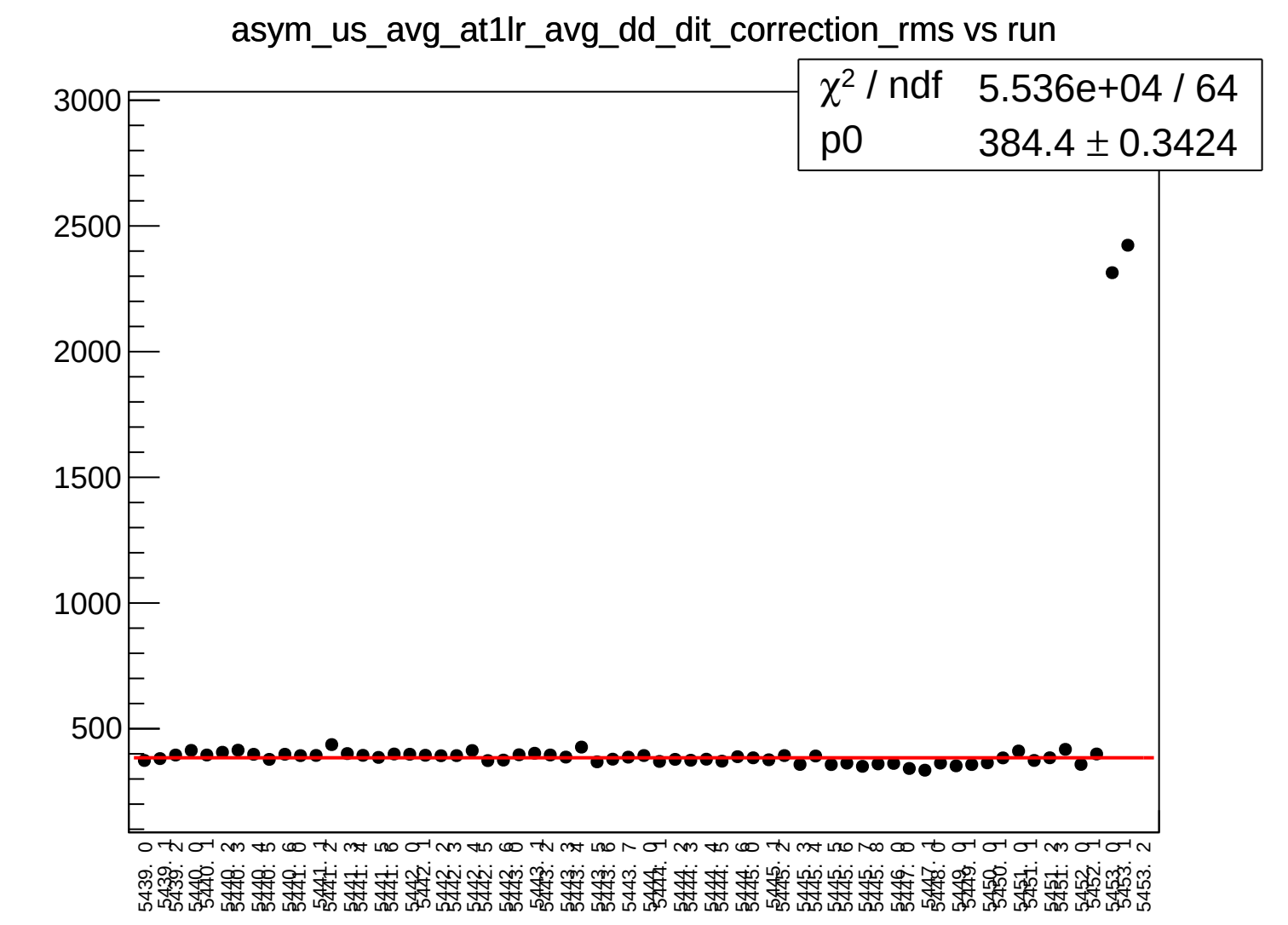

dit_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 84.08 / 64
p0 −1.152e+04 ± 7103
pull
Entries 65
Mean 77.06
Std Dev 0

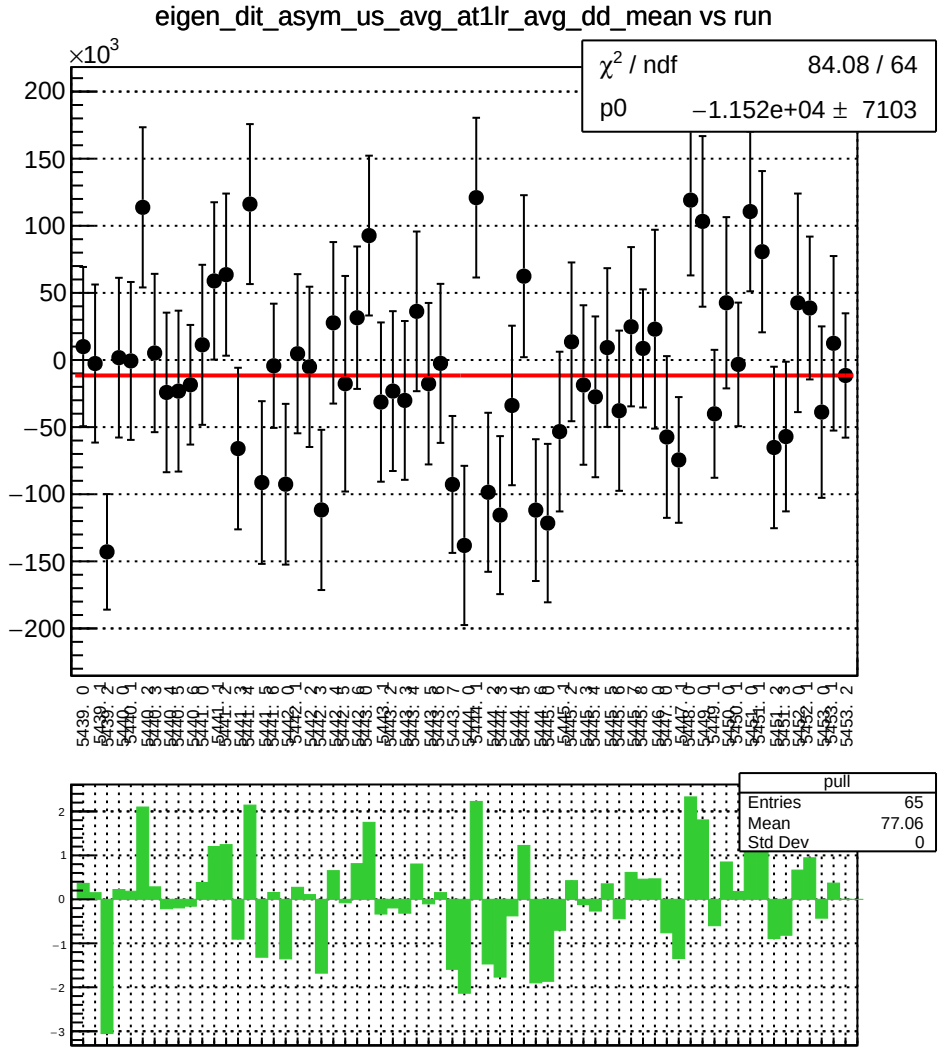

pull1D
Entries 65
Mean 0.03255
Std Dev 1.137

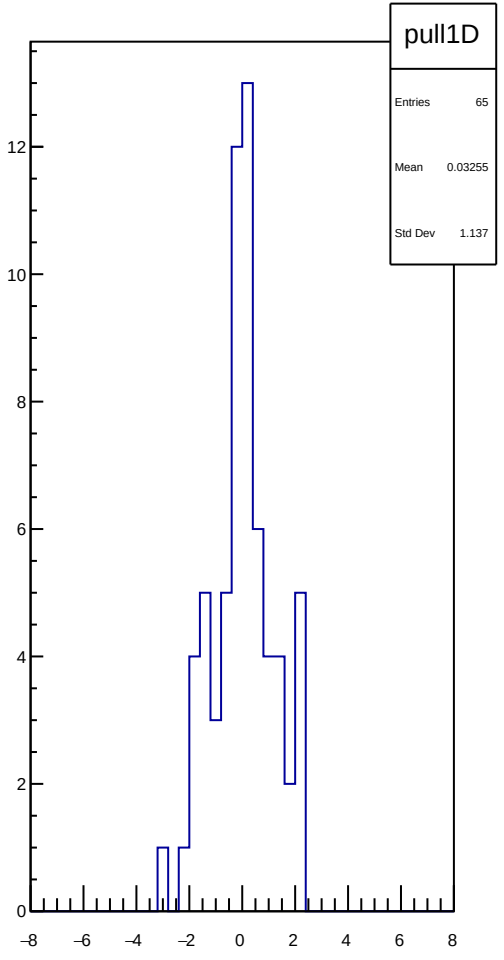

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 4353 / 64
p0 5751 ± 5.023
8000
7500
7000
6500
6000
5500

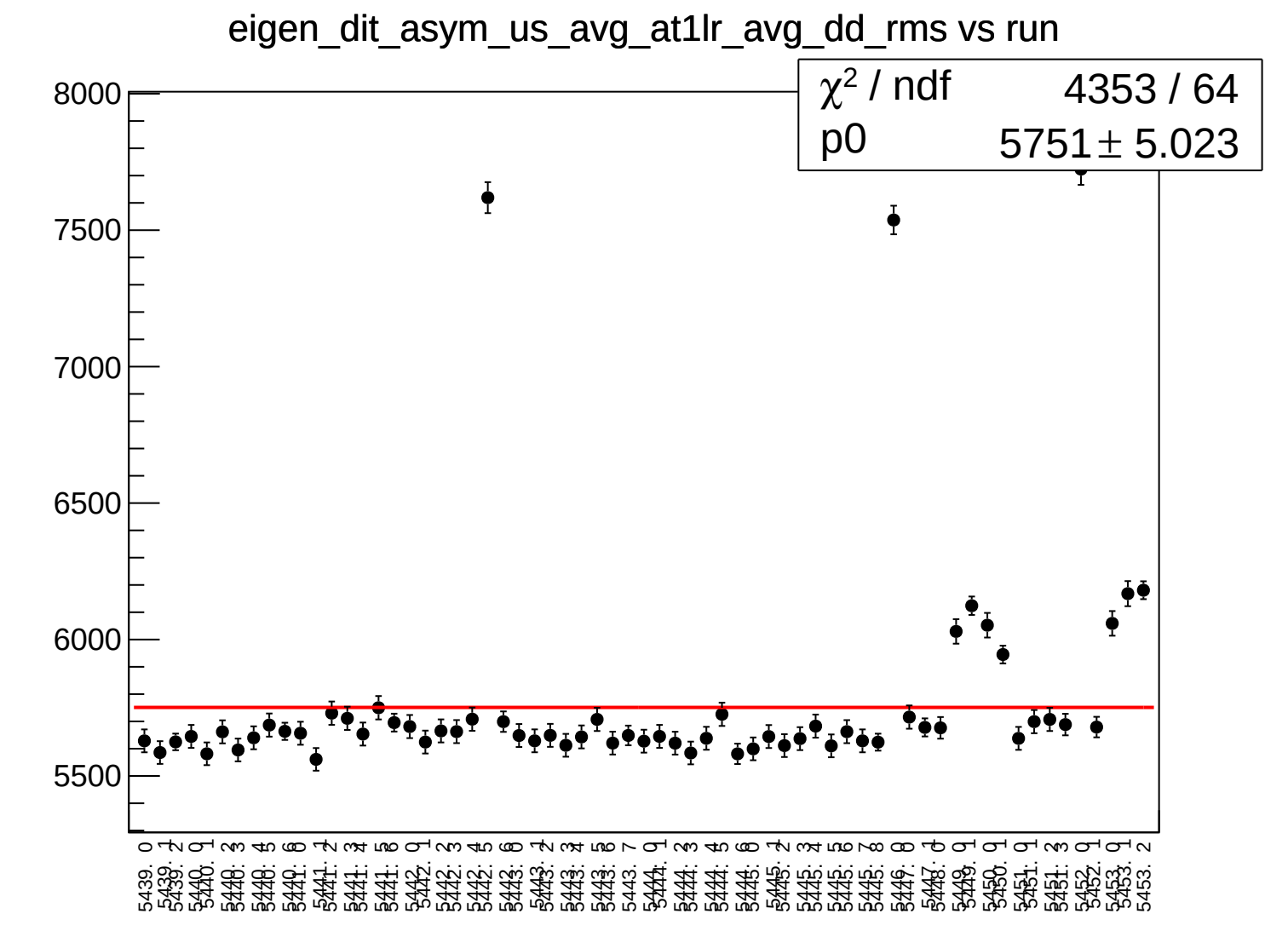

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 65.9 / 64
p0 704.5 ± 484.3
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −32.48
Std Dev 0
2
1
0
−1
−2

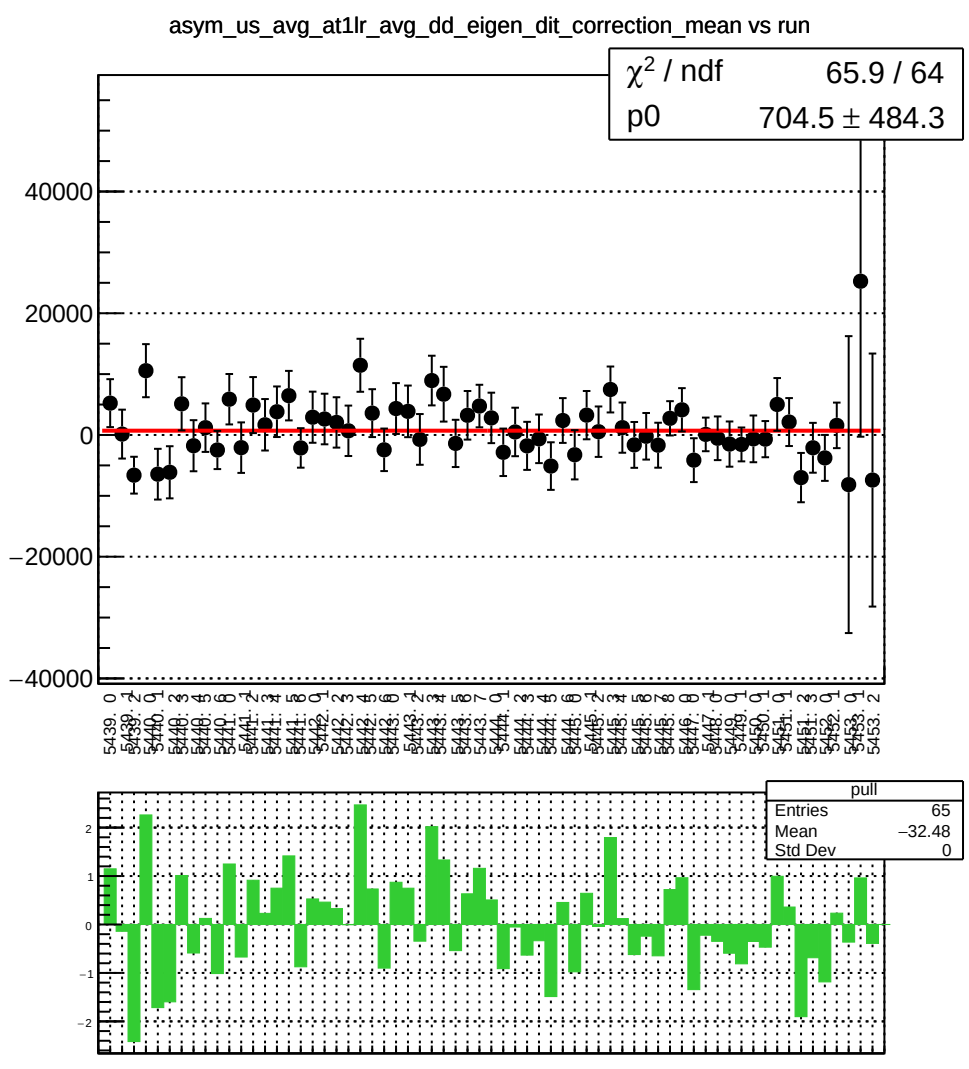

pull1D
Entries 65
Mean 0.04203
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

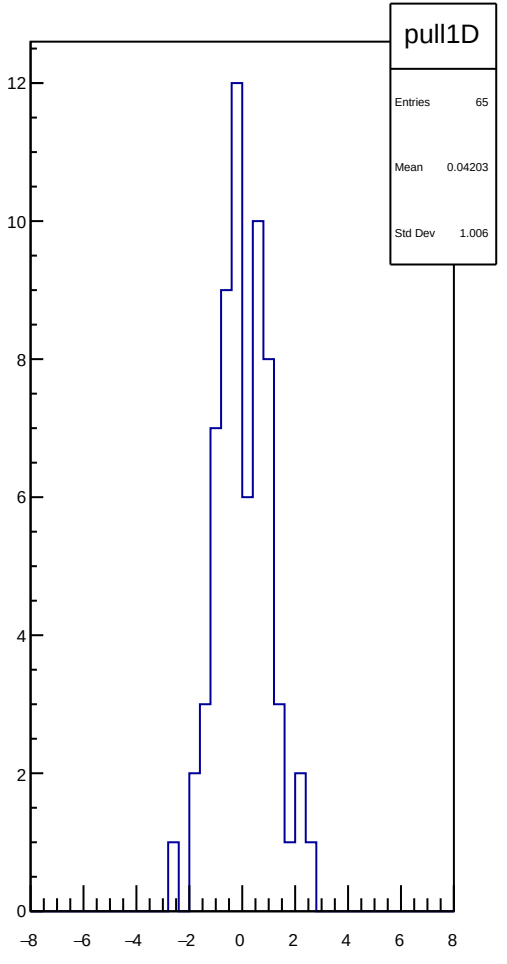

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 5.536e+04 / 64
p0 384.4 ± 0.3424
3000
2500
2000
1500
1000
500

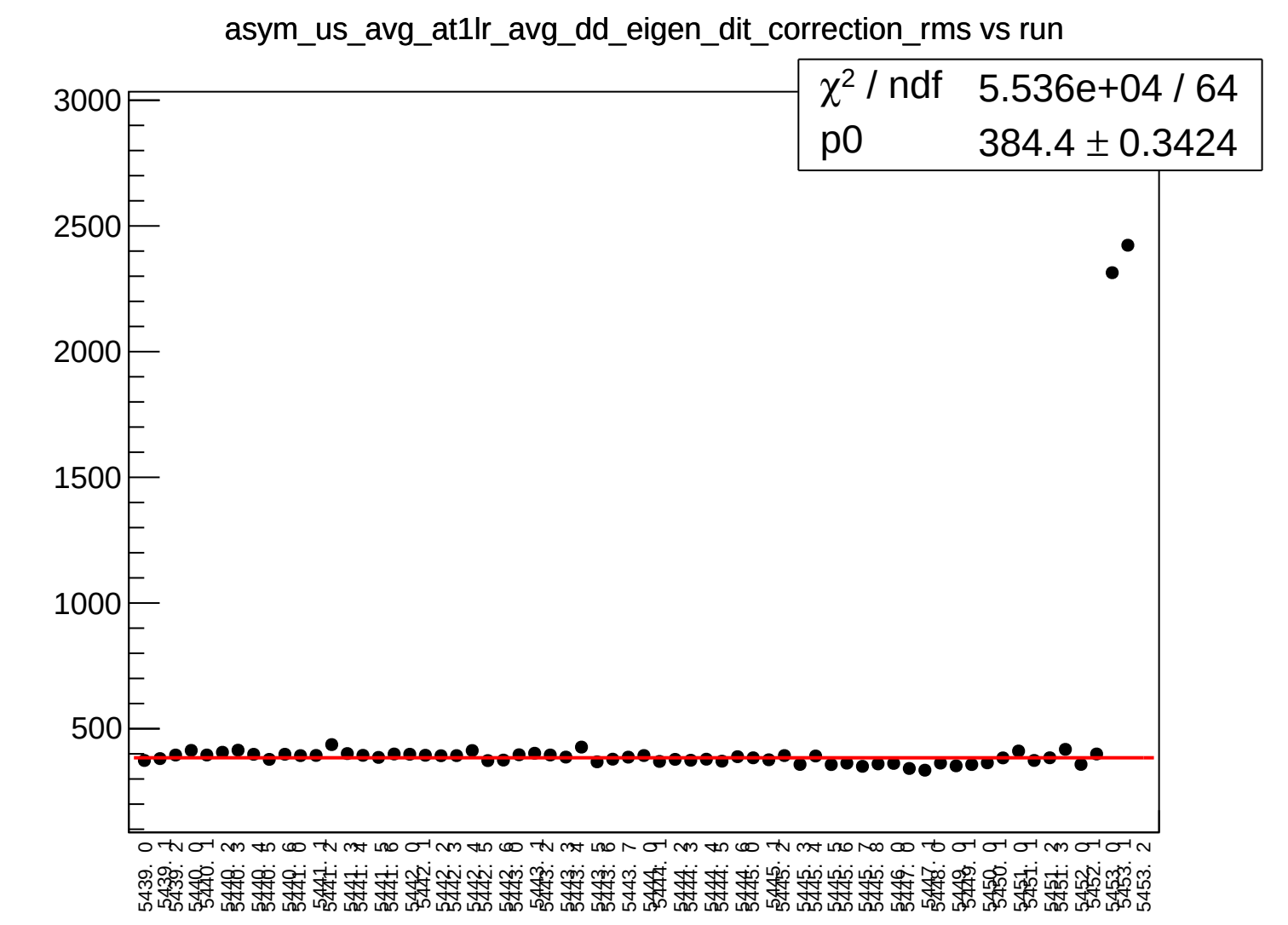

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 84.08 / 64
p0 −1.152e+04 ± 7103
pull
Entries 65
Mean 77.06
Std Dev 0

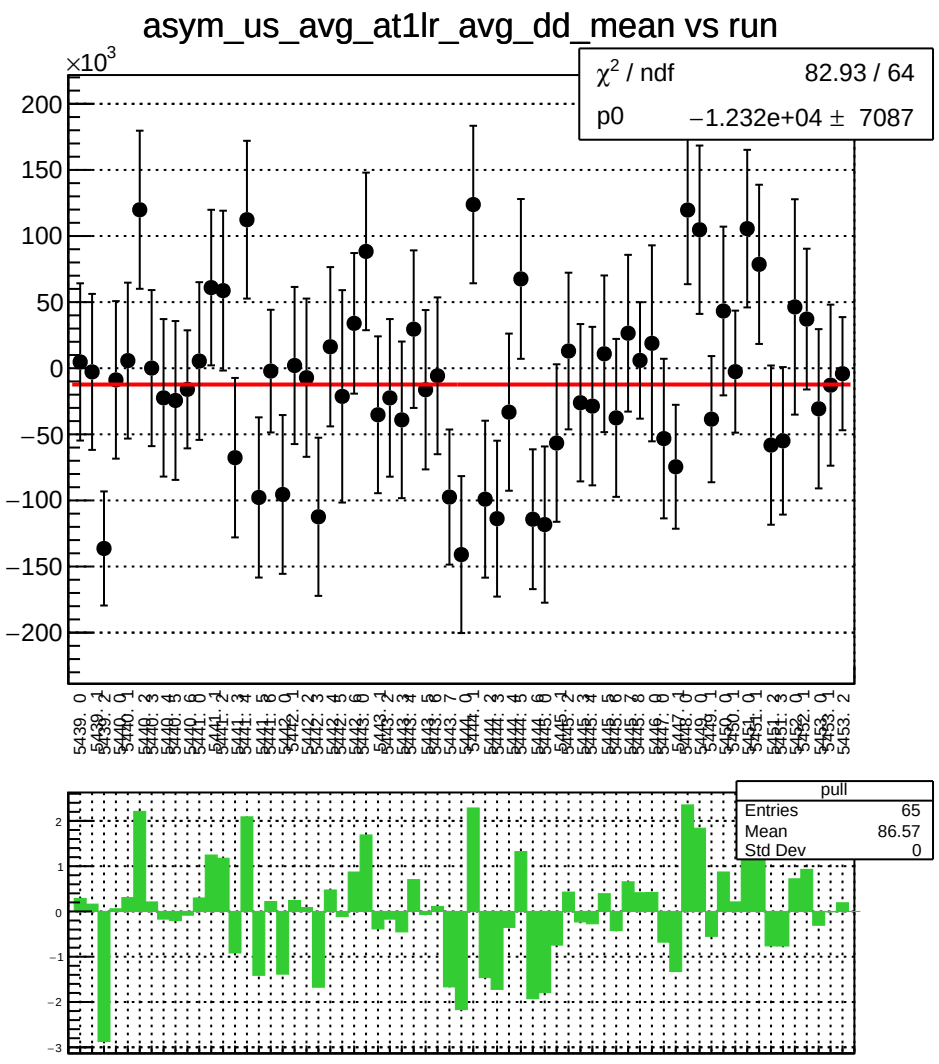

pull1D
Entries 65
Mean 0.03255
Std Dev 1.137

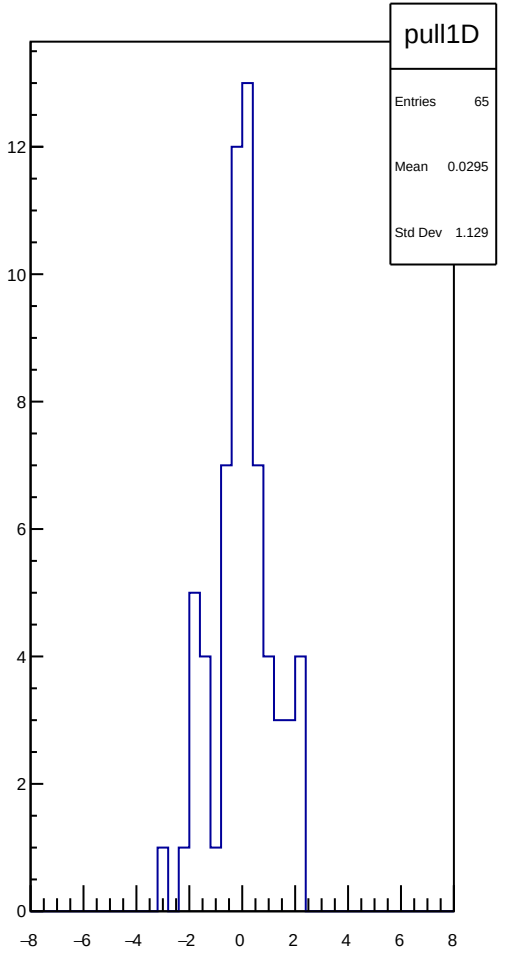

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 4353 / 64
p0 5751 ± 5.023
8000
7500
7000
6500
6000
5500

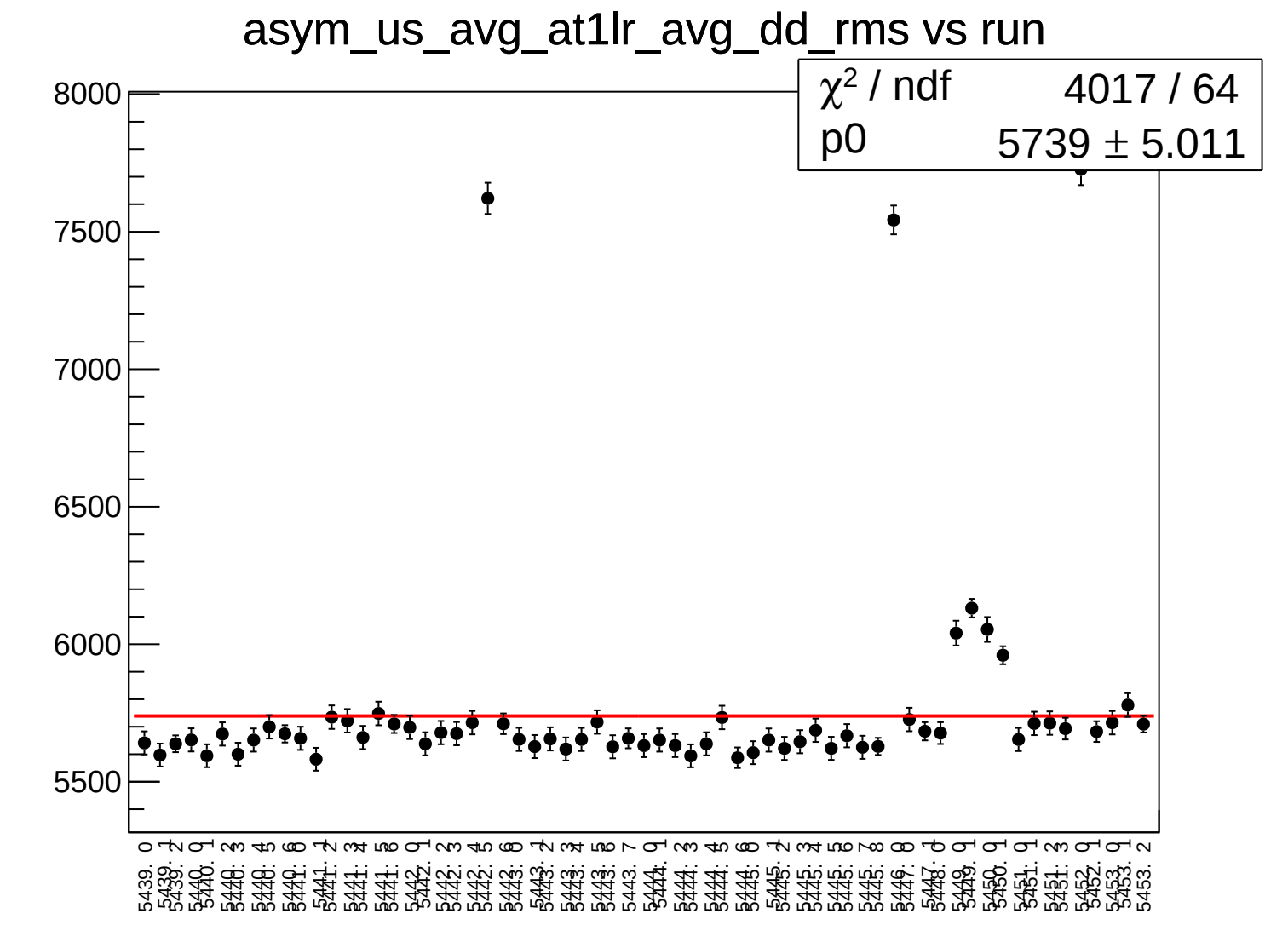

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.9 / 64
p0 704.5 ± 484.3
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −32.48
Std Dev 0
2
1
0
−1
−2

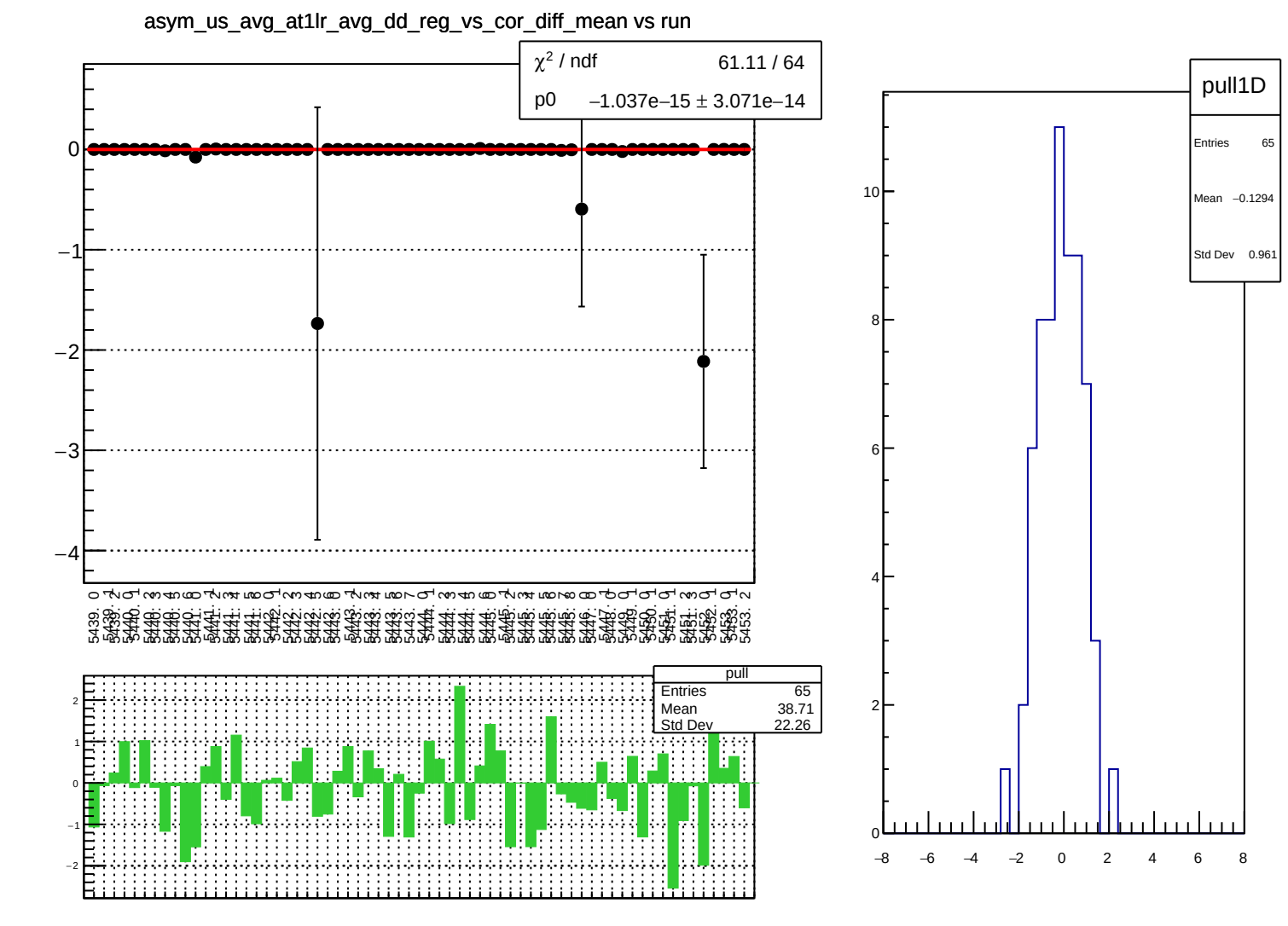

pull1D
Entries 65
Mean 0.04203
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

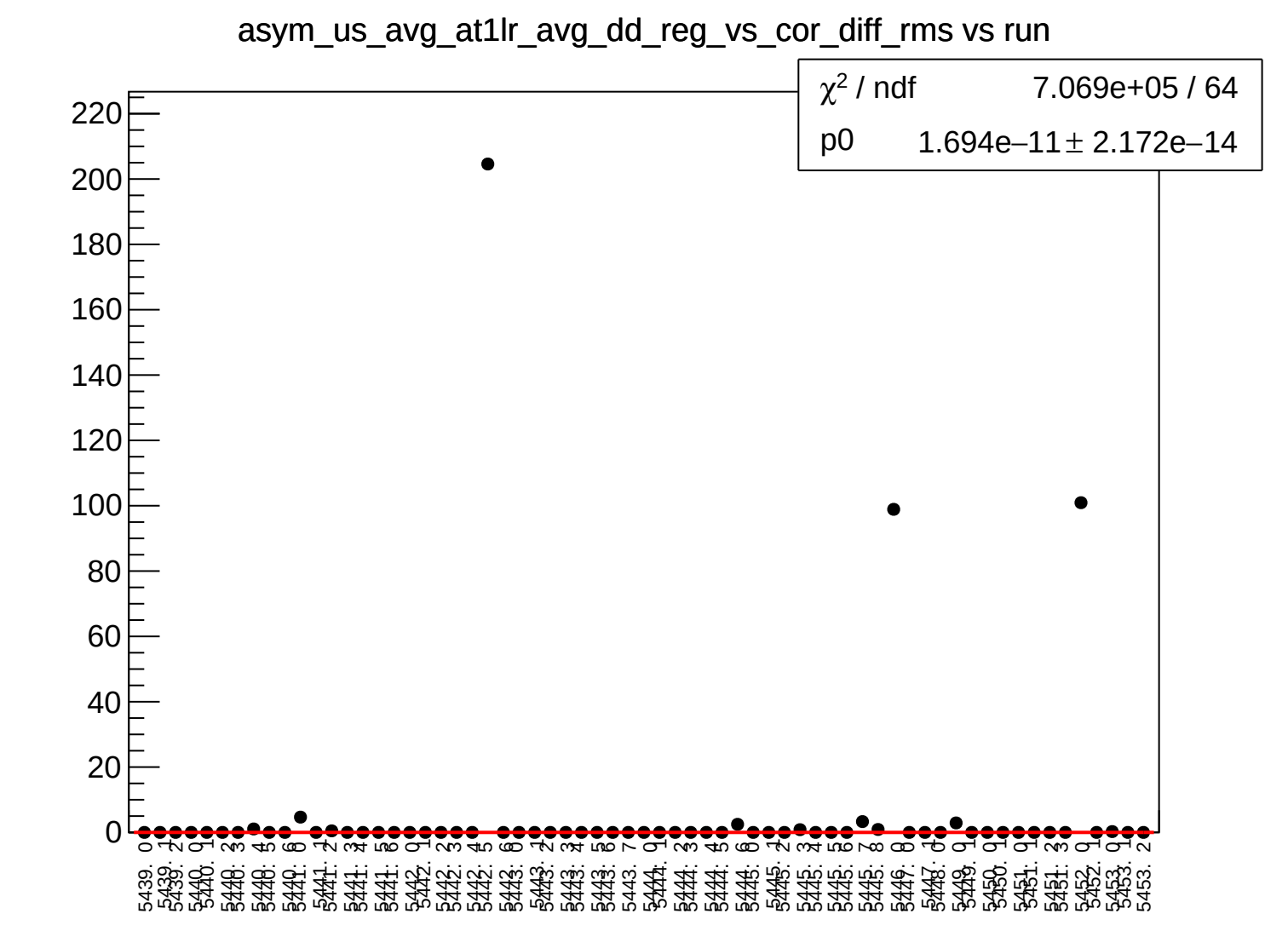

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.536e+04 / 64
p0 384.4 ± 0.3424
3000
2500
2000
1500
1000
500

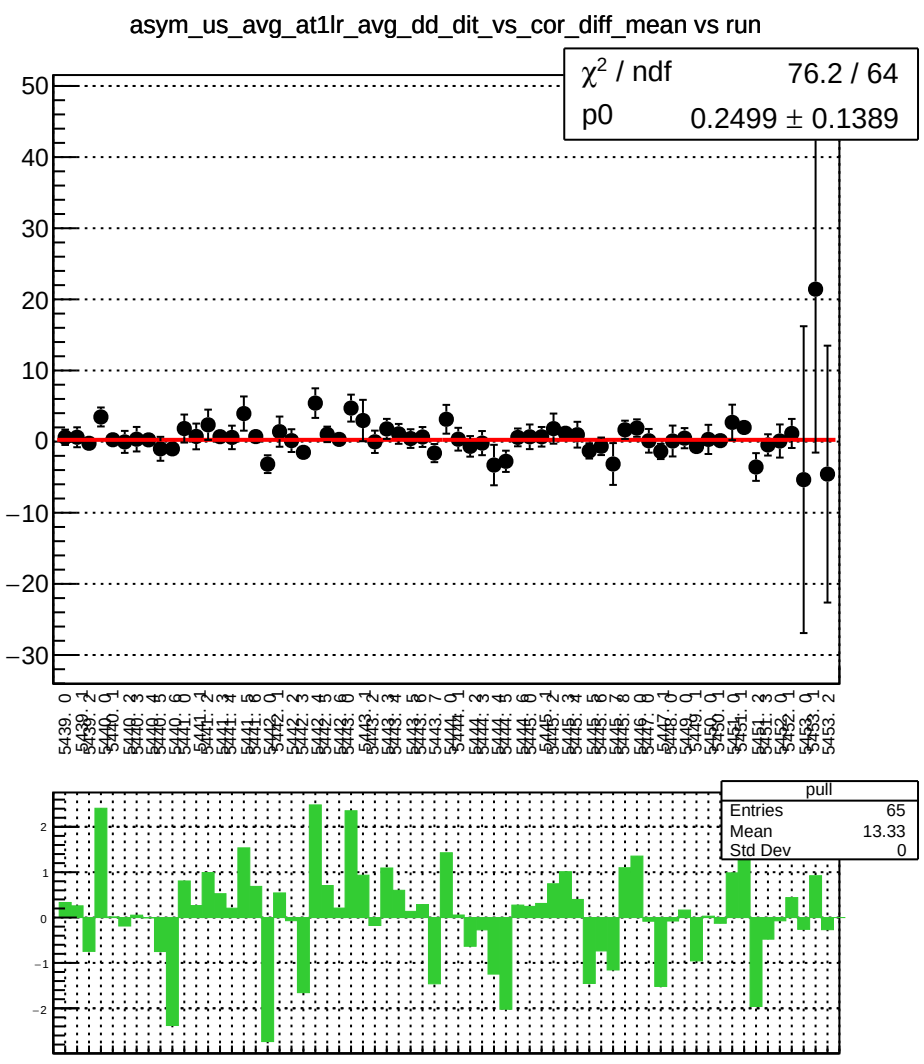

asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 82.93 / 64
p0 −1.232e+04 ± 7087
pull
Entries 65
Mean 86.57
Std Dev 0

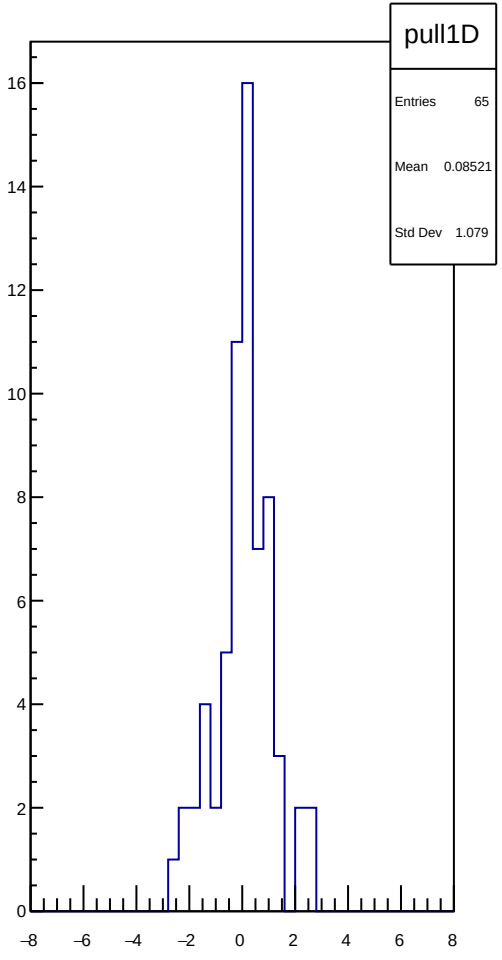

pull1D
Entries 65
Mean 0.0295
Std Dev 1.129

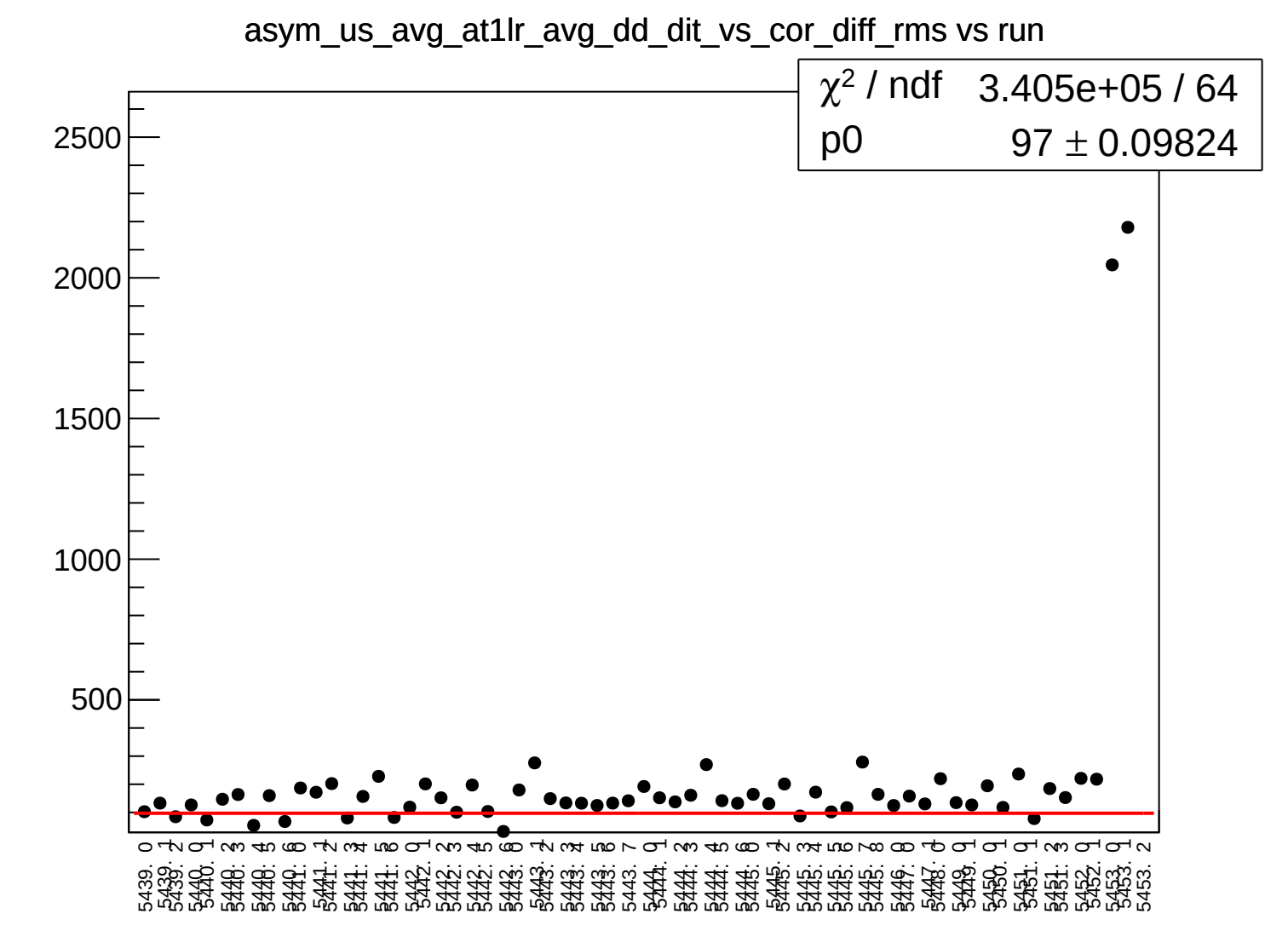

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 4017 / 64
p0 5739 ± 5.011
8000
7500
7000
6500
6000
5500

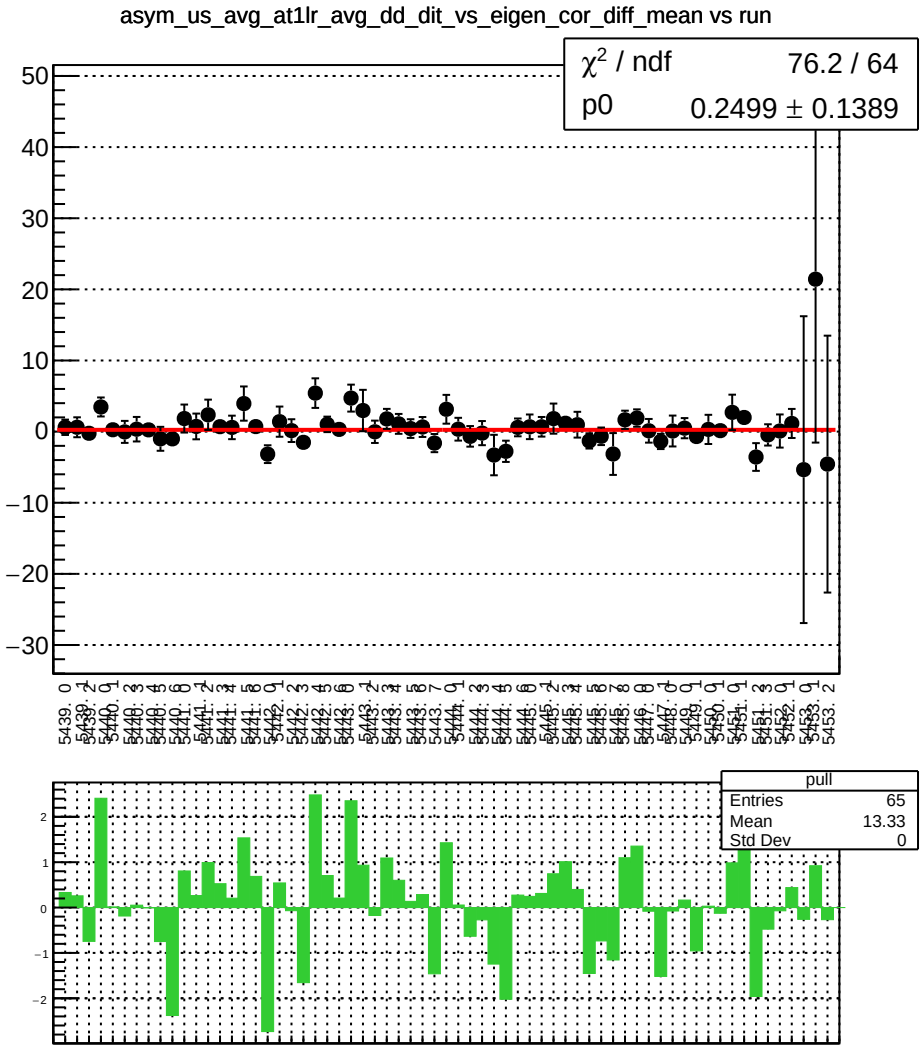

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.11 / 64
p0 −1.037e−15 ± 3.071e−14
pull
Entries 65
Mean 38.71
Std Dev 22.26
pull1D
Entries 65
Mean −0.1294
Std Dev 0.961

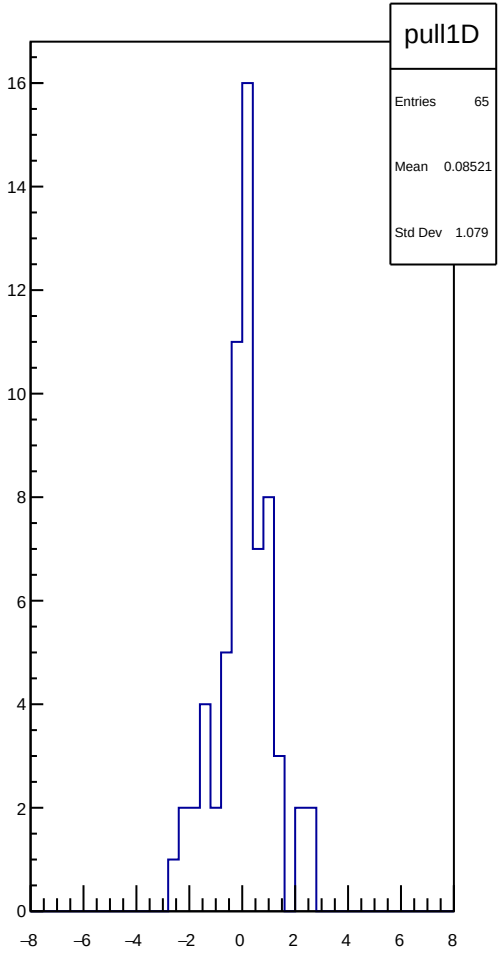

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.069e+05 / 64
p0 1.694e−11 ± 2.172e−14
220
200
180
160
140
120
100
80
60
40
20
0

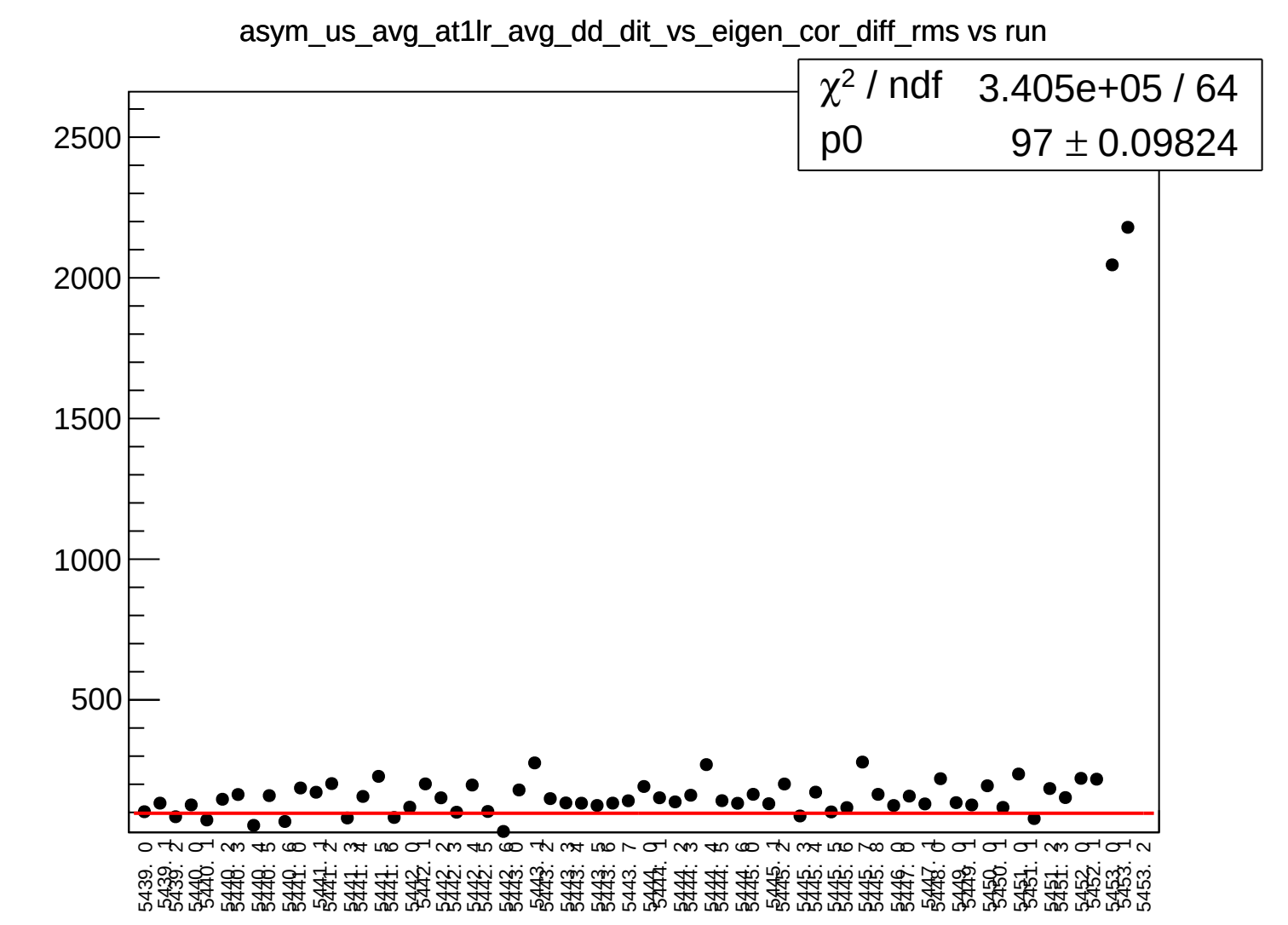

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.2 / 64
p0 0.2499 ± 0.1389
pull
Entries 65
Mean 13.33
Std Dev 0

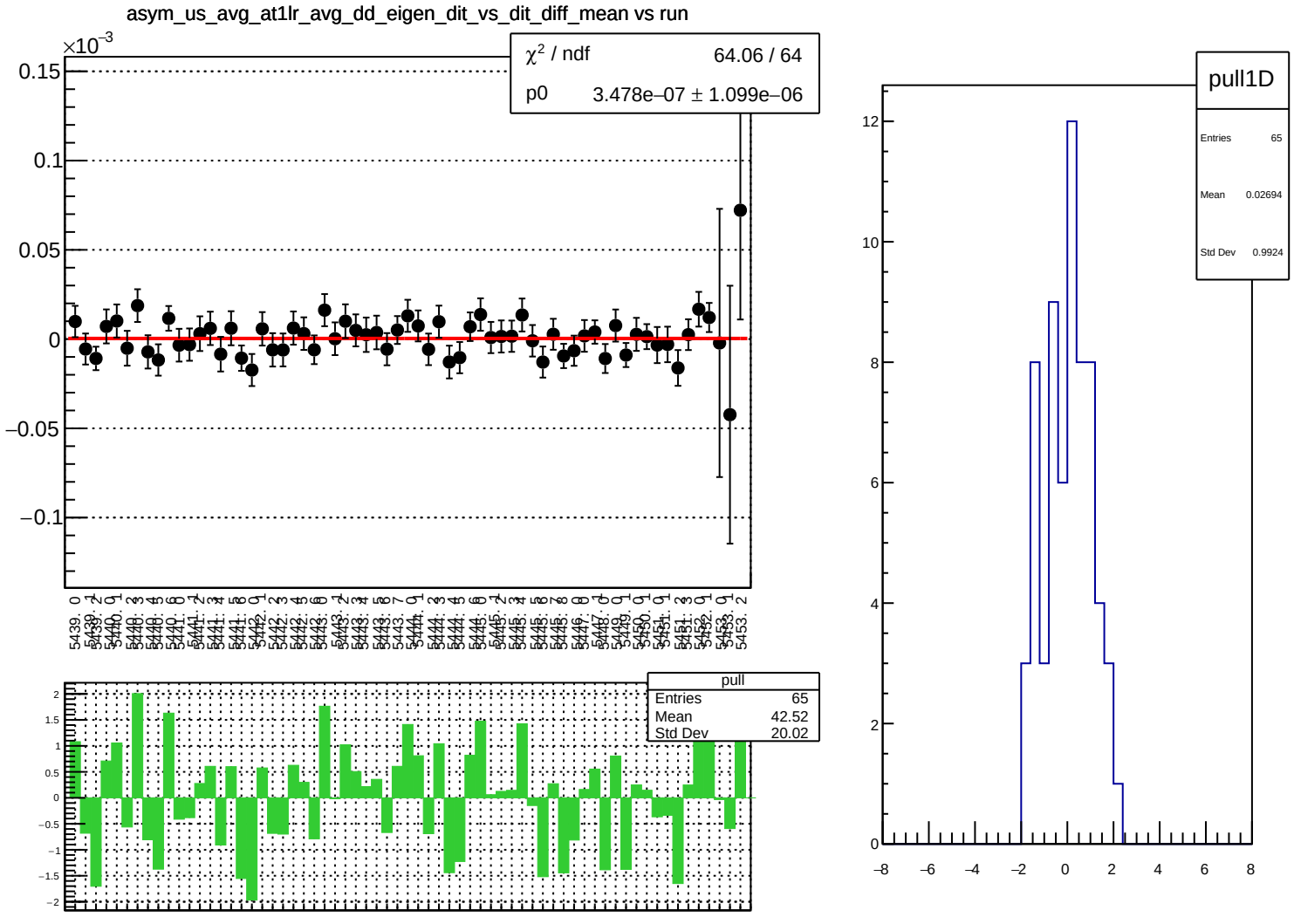

pull1D
Entries 65
Mean 0.08521
Std Dev 1.079

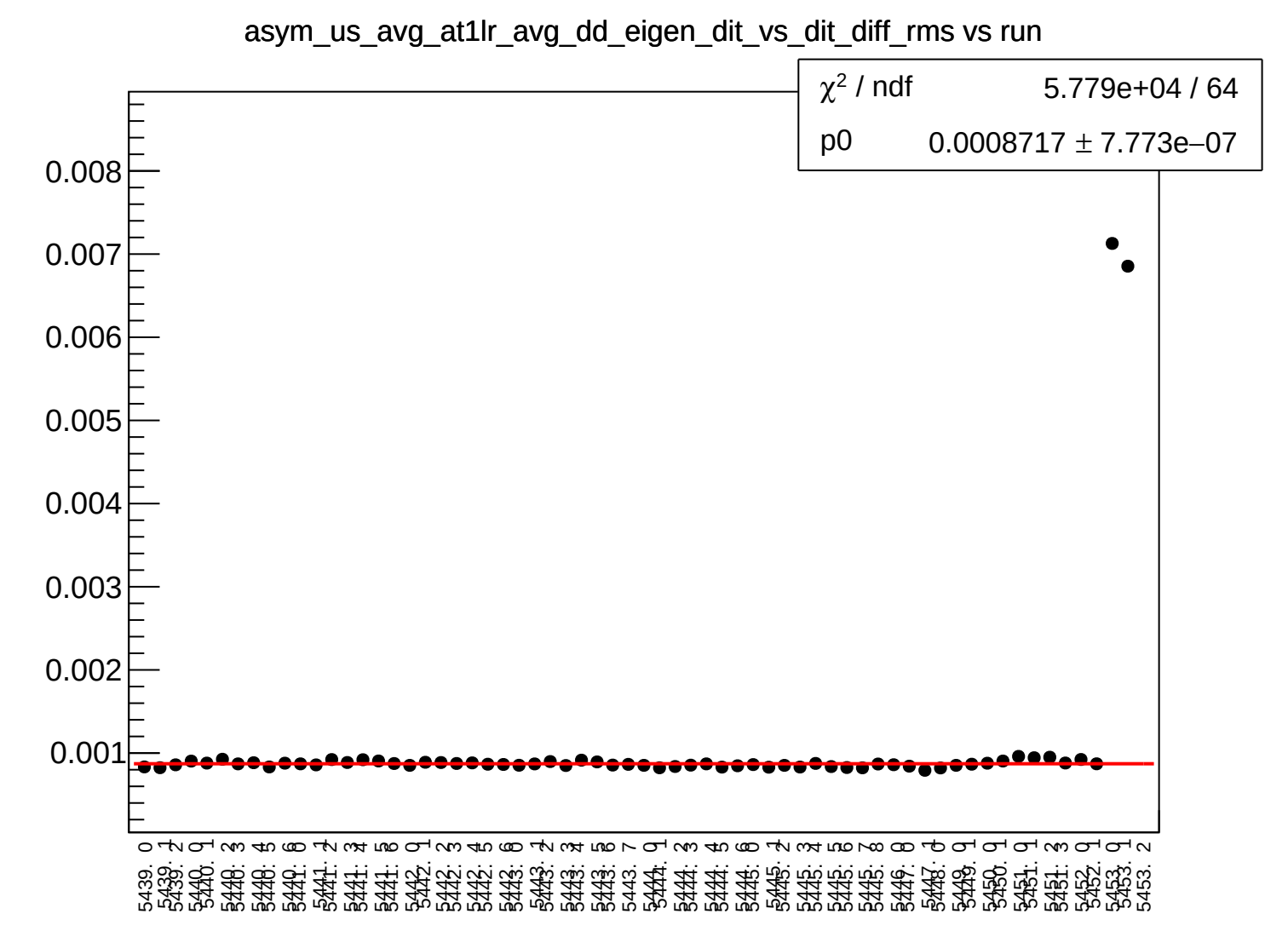

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 64
p0 97 ± 0.09824
2500
2000
1500
1000
500

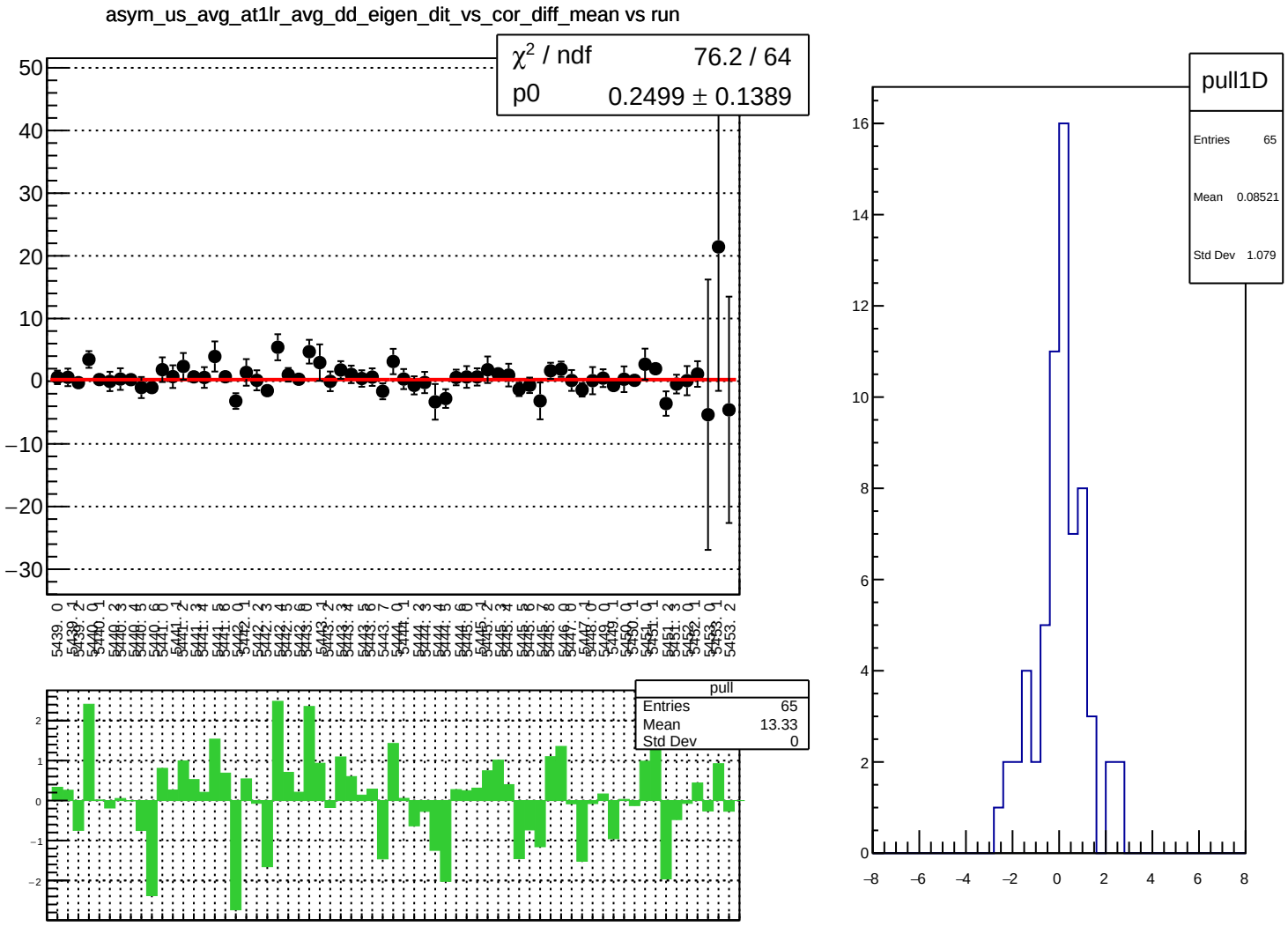

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.2 / 64
p0 0.2499 ± 0.1389
pull
Entries 65
Mean 13.33
Std Dev 0

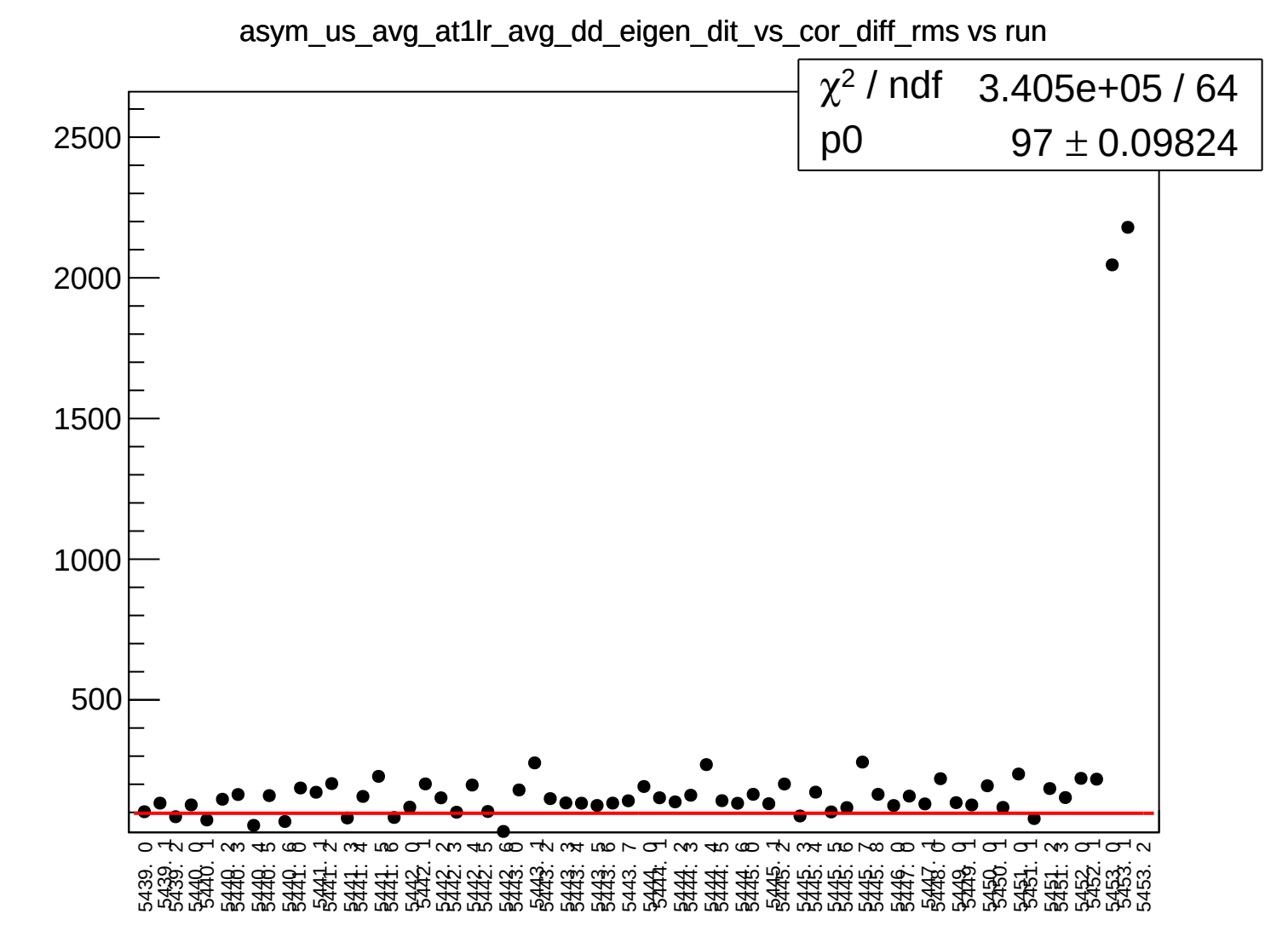

pull1D
Entries 65
Mean 0.08521
Std Dev 1.079

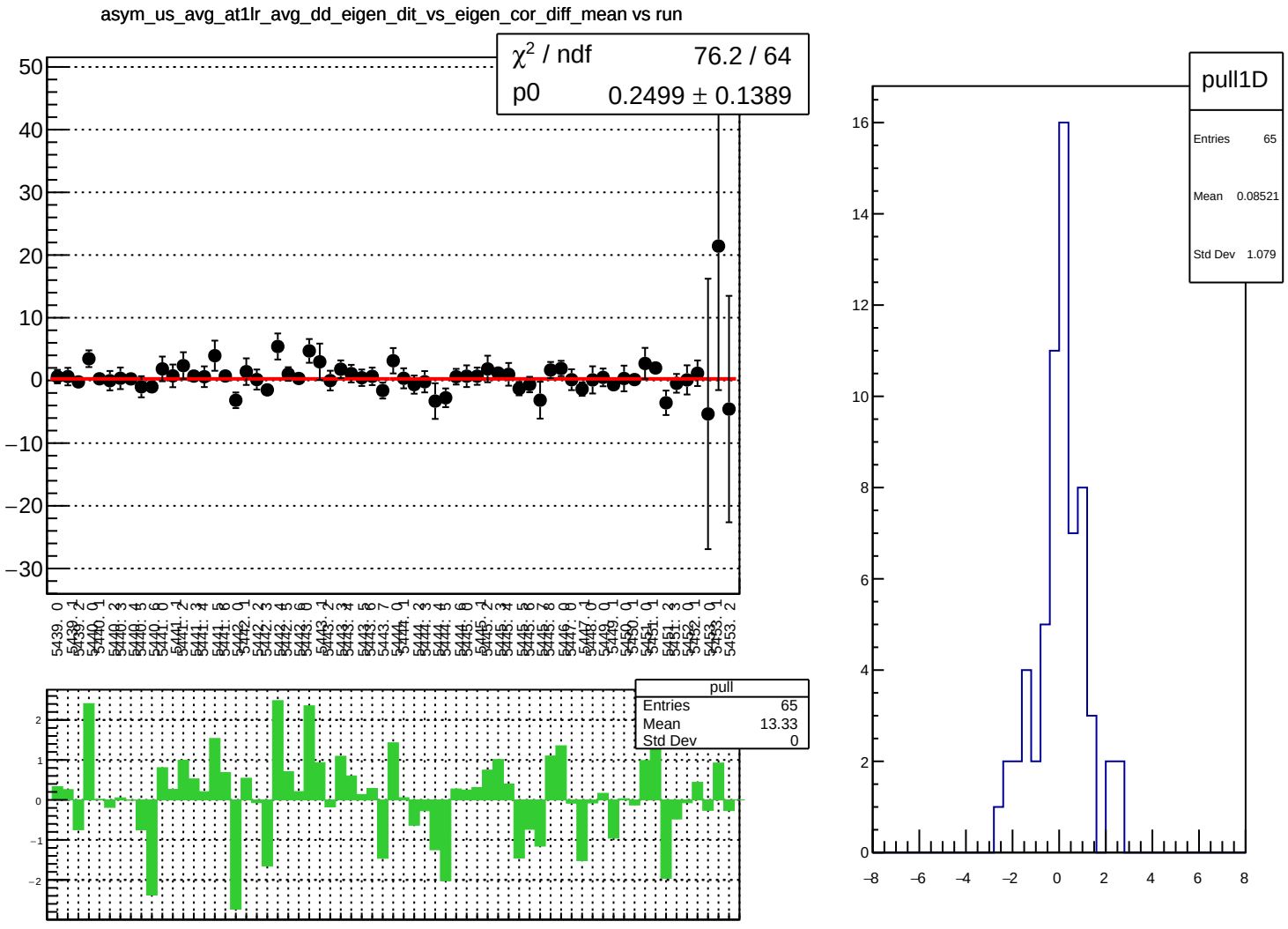

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 64
p0 97 ± 0.09824
2500
2000
1500
1000
500

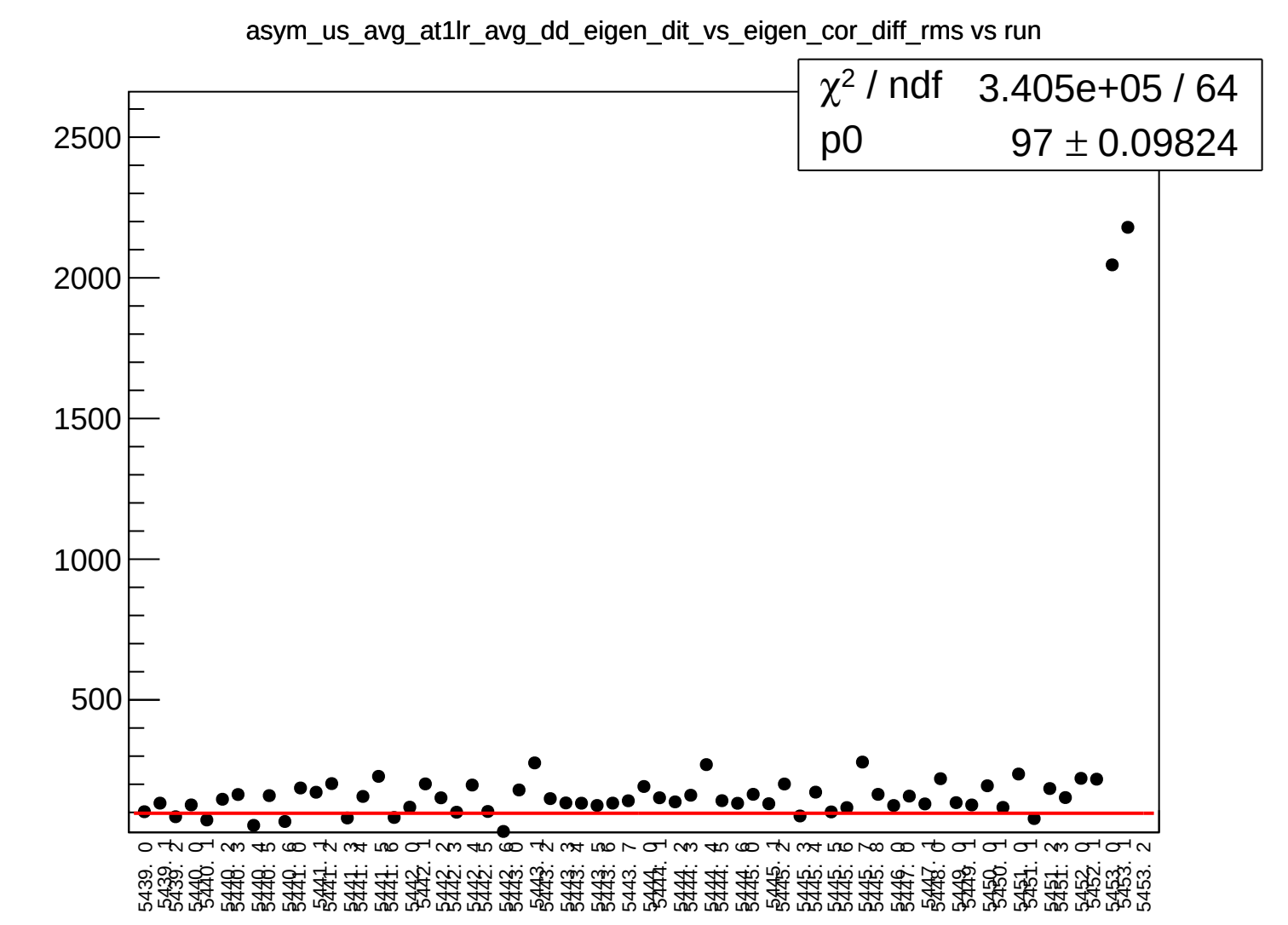

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.06 / 64
p0 3.478e−07 ± 1.099e−06
pull
Entries 65
Mean 42.52
Std Dev 20.02
pull1D
Entries 65
Mean 0.02694
Std Dev 0.9924

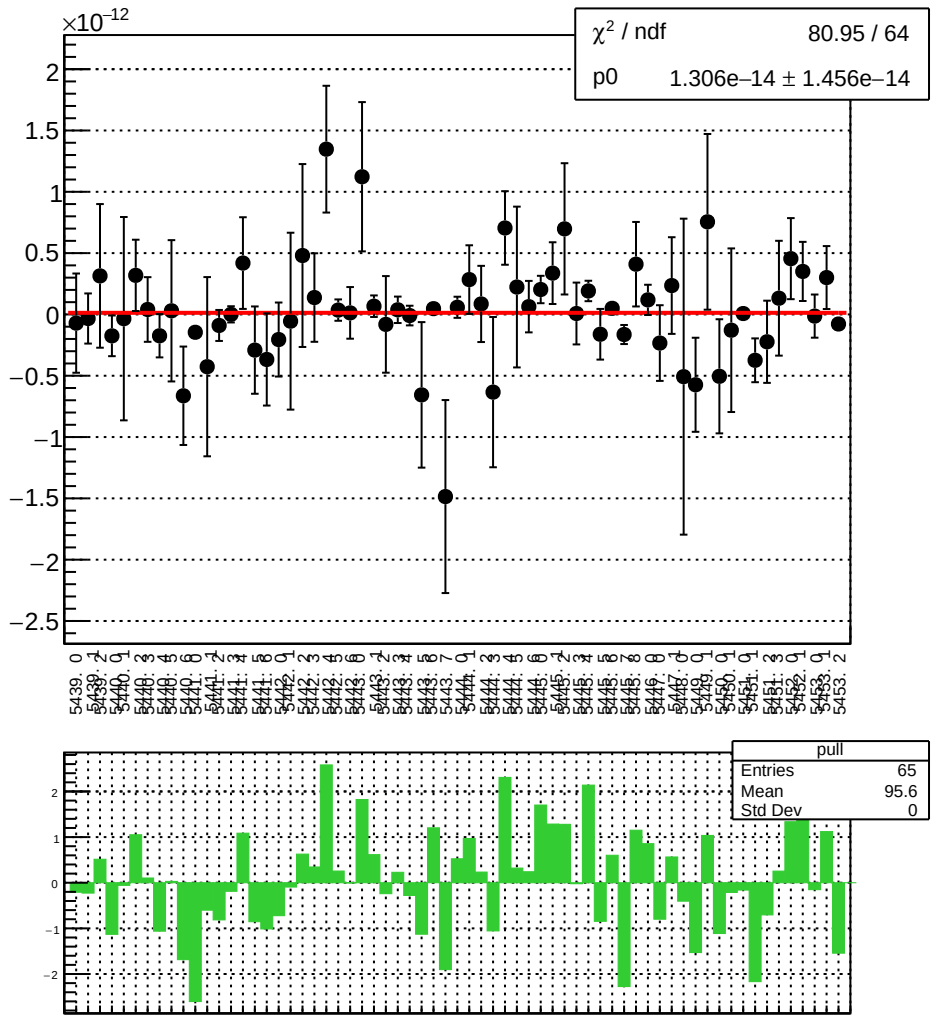

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.779e+04 / 64
p0 0.0008717 ± 7.773e−07
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

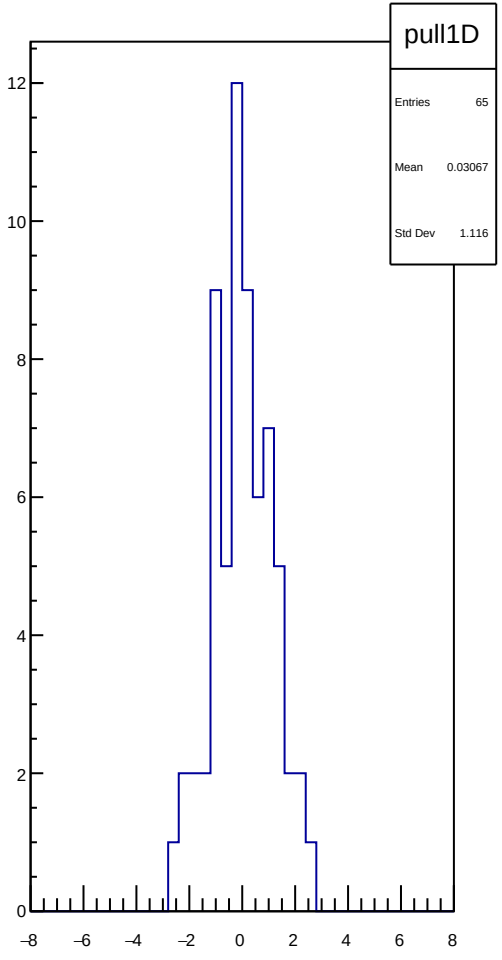

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.2 / 64
p0 0.2499 ± 0.1389
pull
Entries 65
Mean 13.33
Std Dev 0
pull1D
Entries 65
Mean 0.08521
Std Dev 1.079

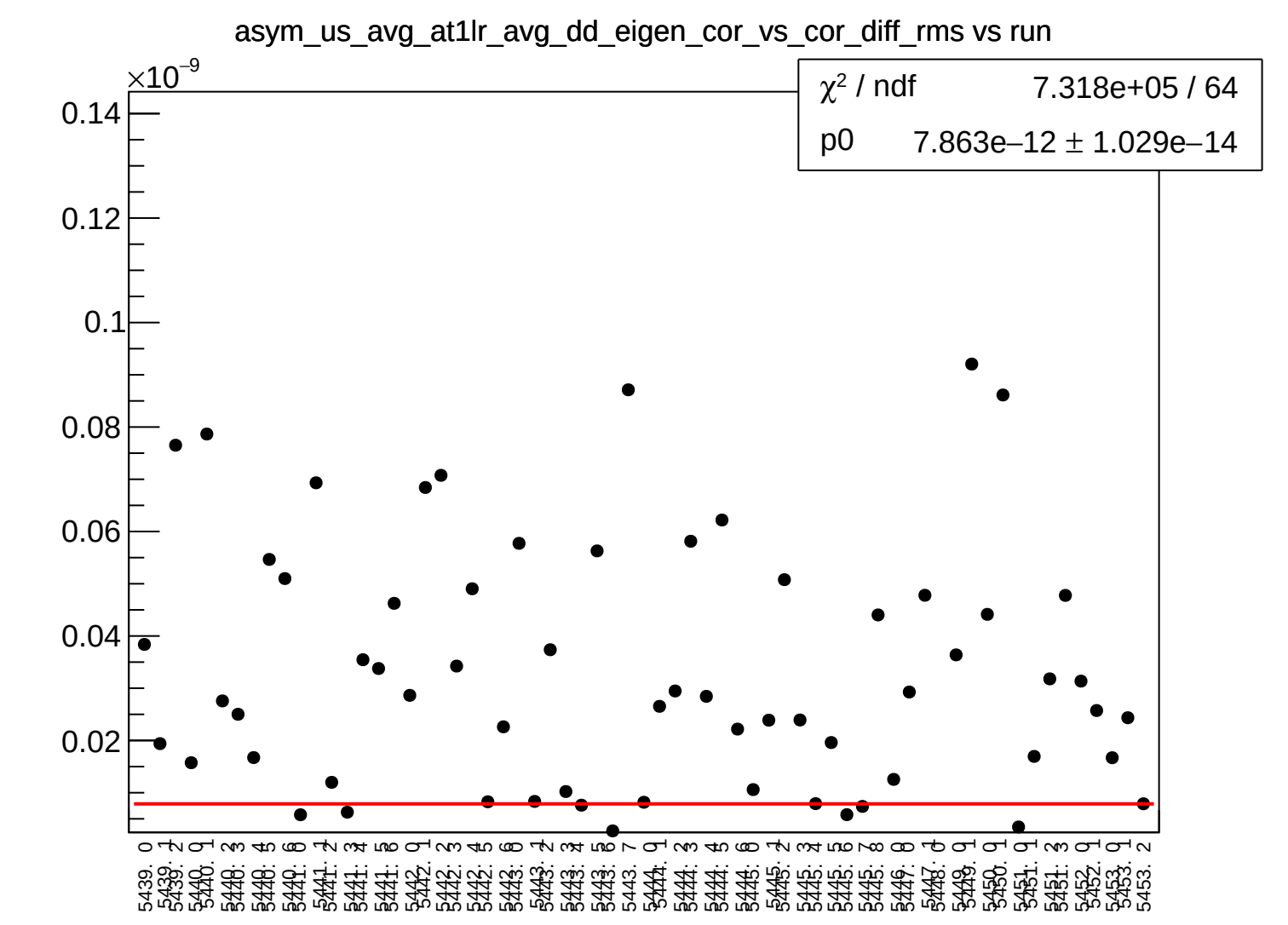

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 64
p0 97 ± 0.09824
2500
2000
1500
1000
500

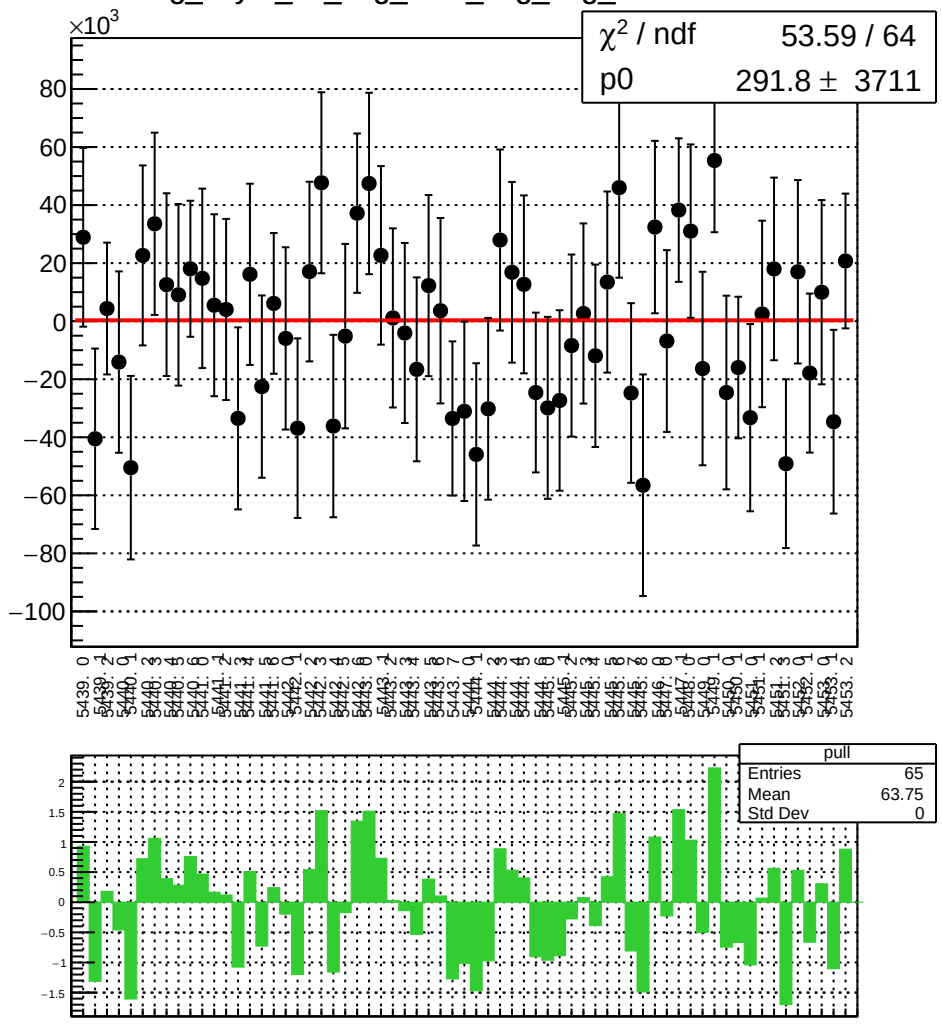

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.2 / 64
p0 0.2499 ± 0.1389
pull
Entries 65
Mean 13.33
Std Dev 0
pull1D
Entries 65
Mean 0.08521
Std Dev 1.079

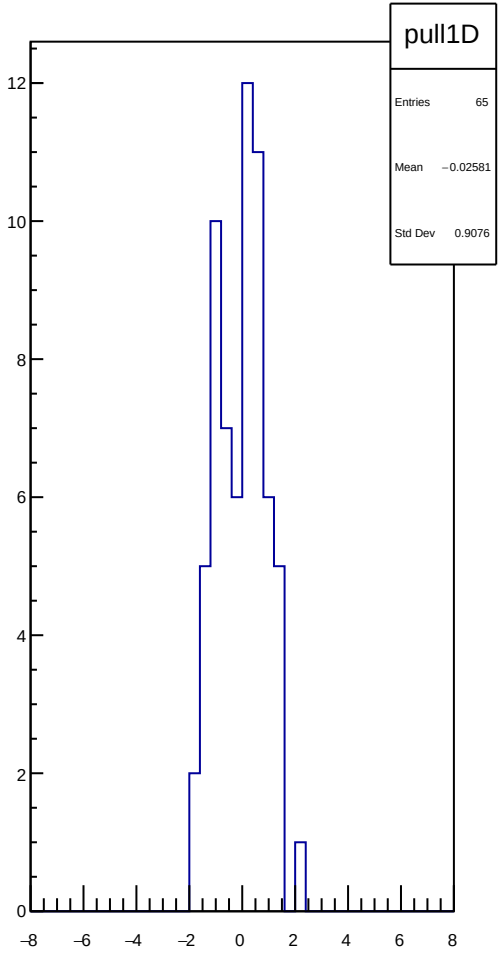

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 64
p0 97 ± 0.09824
2500
2000
1500
1000
500

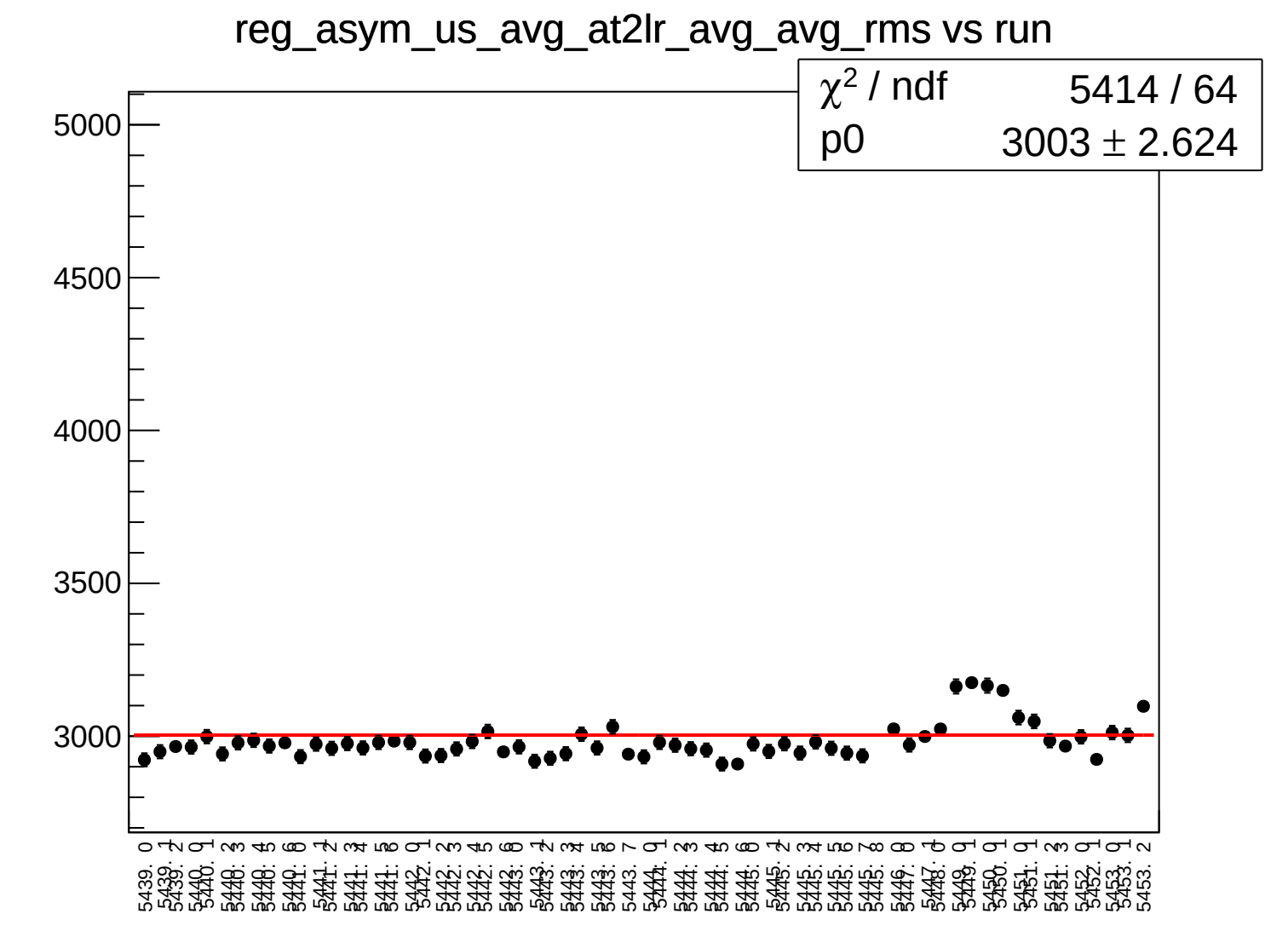

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.95 / 64
p0 1.306e−14 ± 1.456e−14
pull
Entries 65
Mean 95.6
Std Dev 0

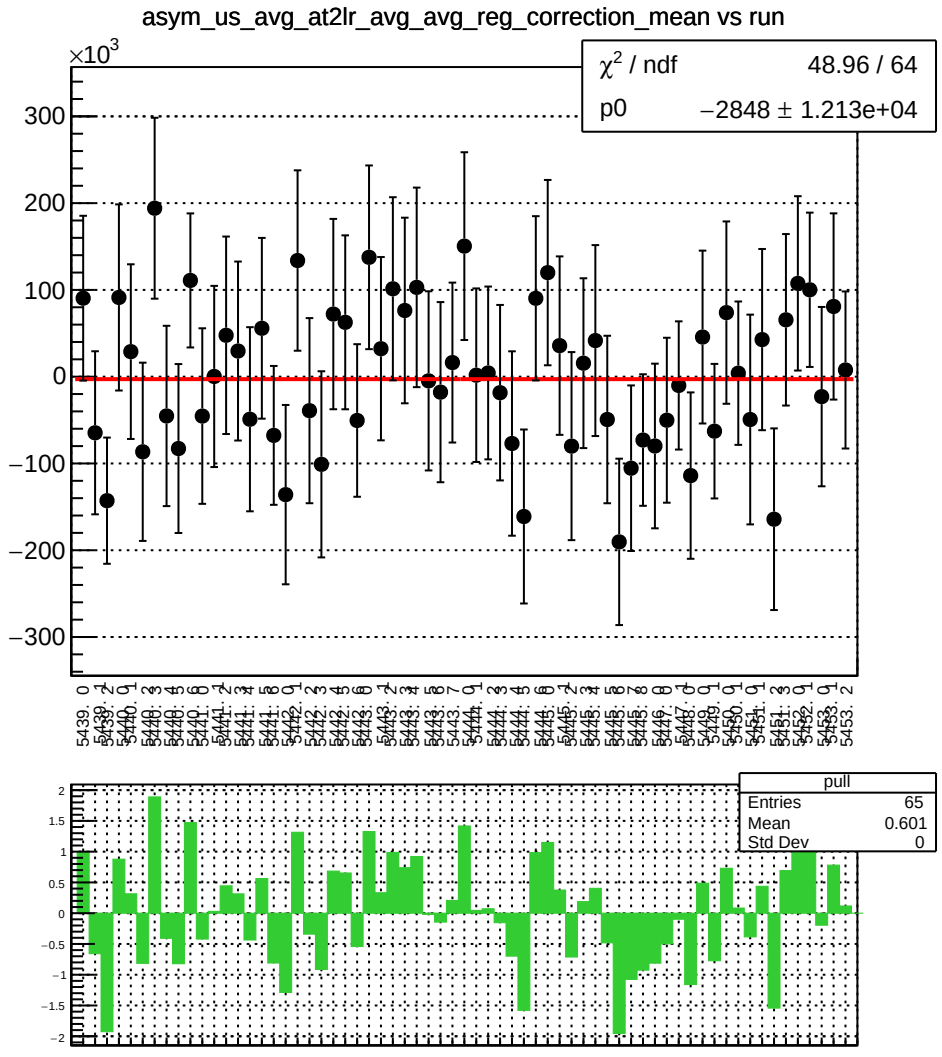

pull1D
Entries 65
Mean 0.03067
Std Dev 1.116

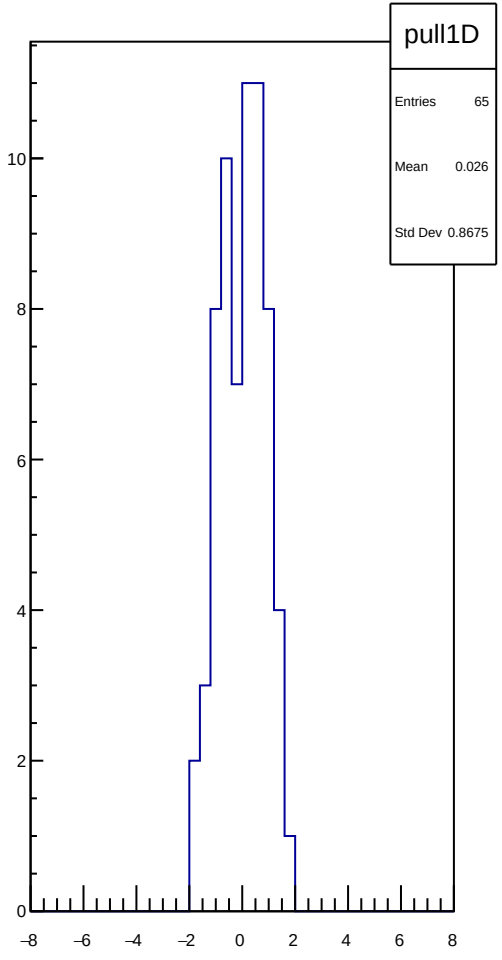

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.318e+05 / 64
p0 7.863e−12 ± 1.029e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

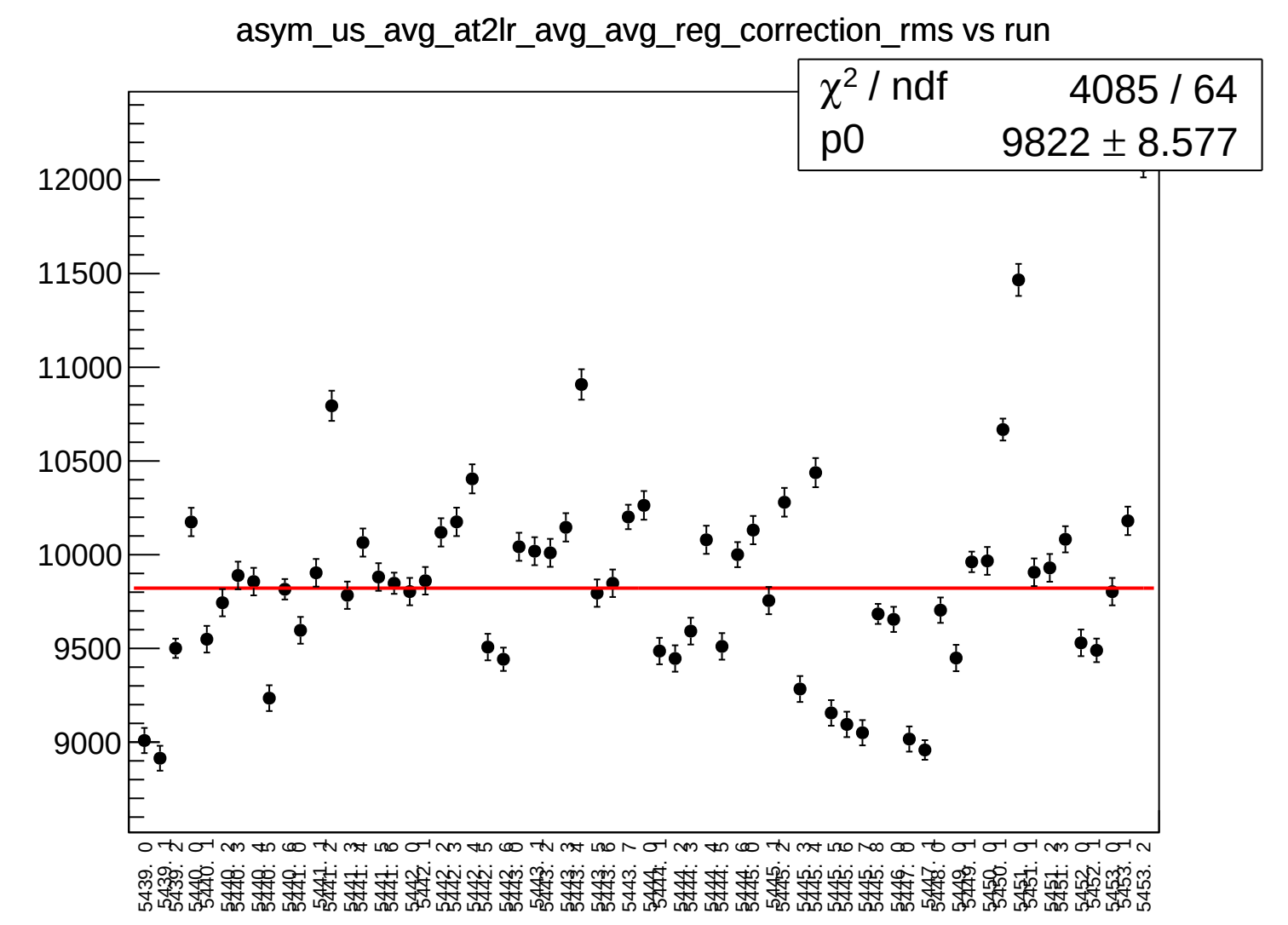

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 53.59 / 64
p0 291.8 ± 3711
pull
Entries 65
Mean 63.75
Std Dev 0

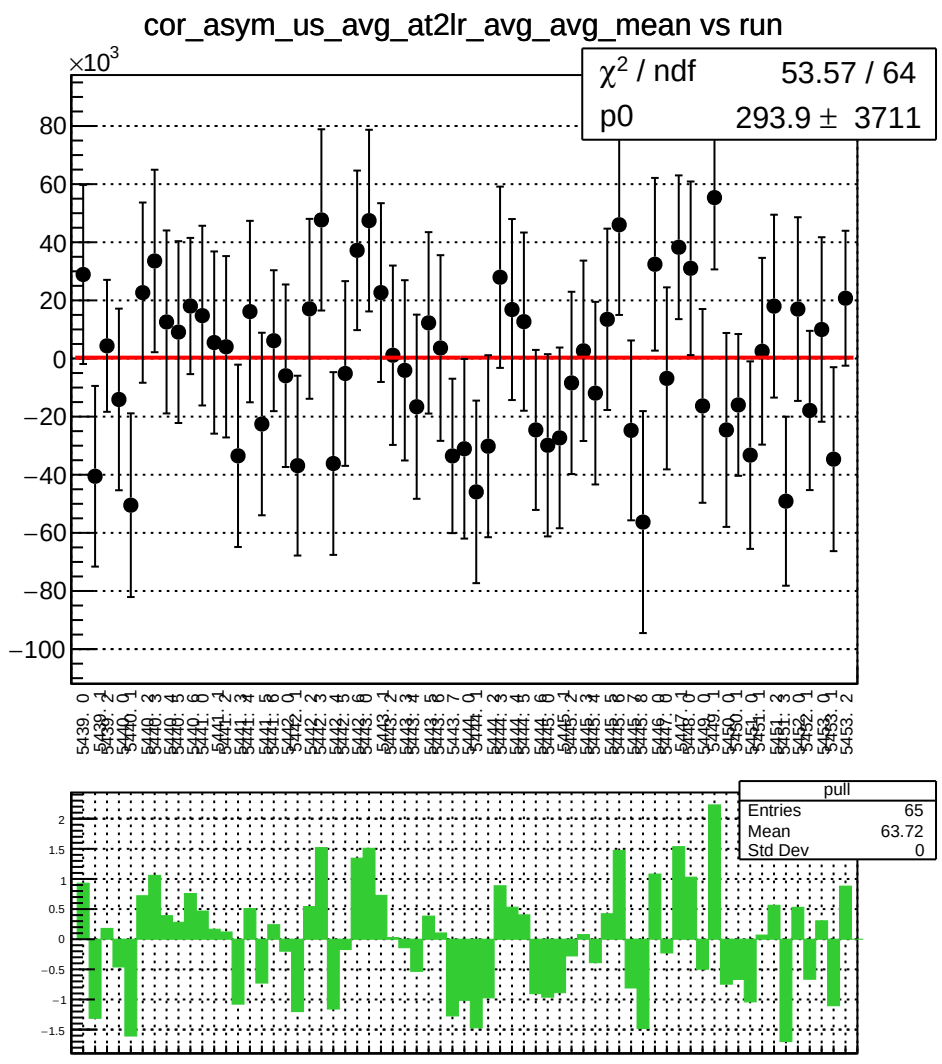

pull1D
Entries 65
Mean −0.02581
Std Dev 0.9076

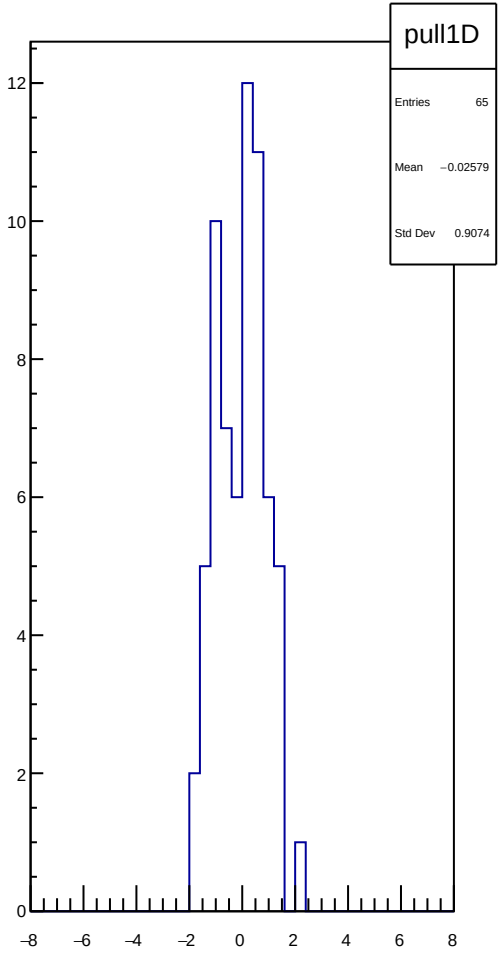

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 5414 / 64
p0 3003 ± 2.624
5000
4500
4000
3500
3000

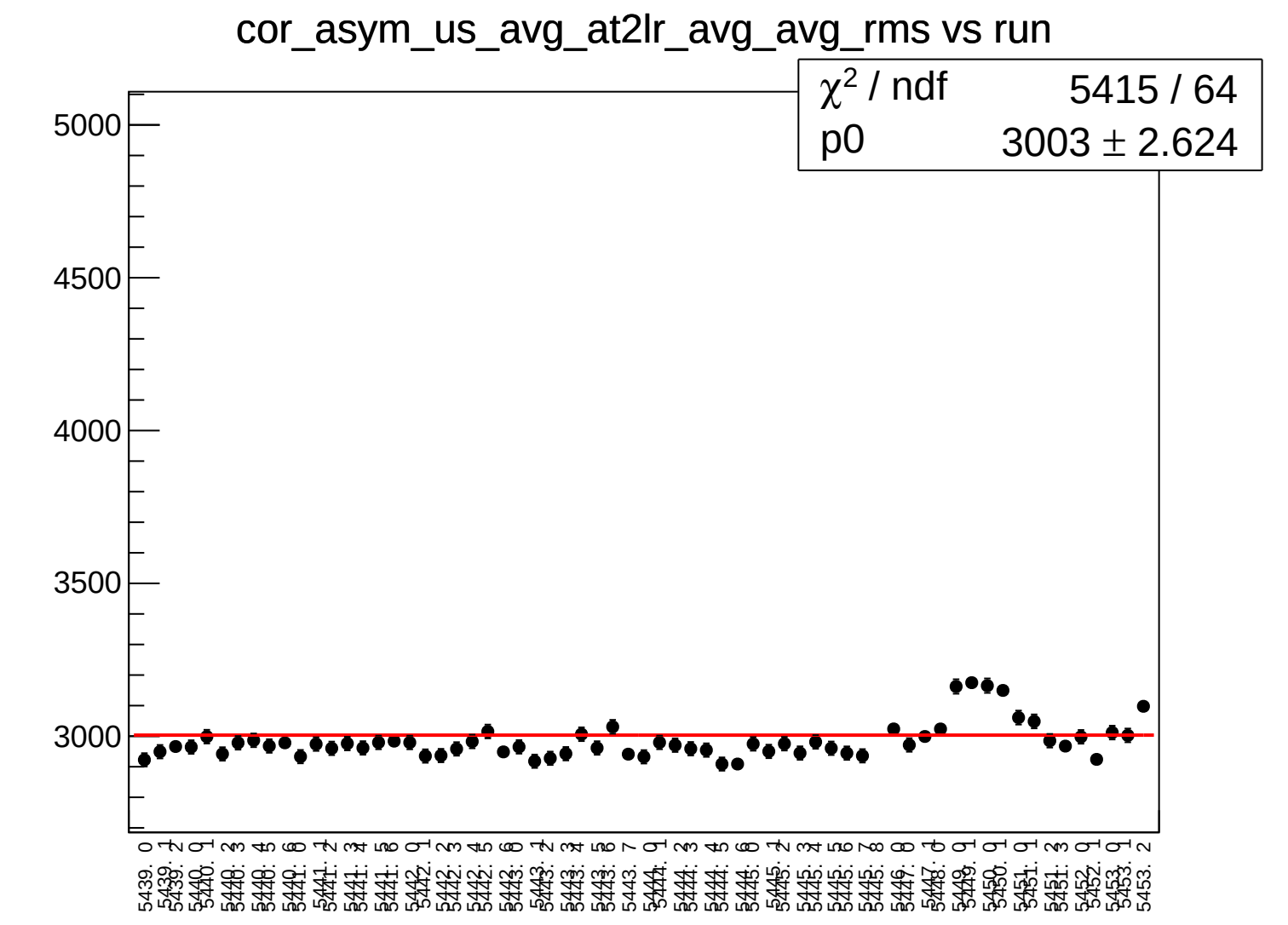

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 48.96 / 64
p0 −2848 ± 1.213e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean 0.601
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

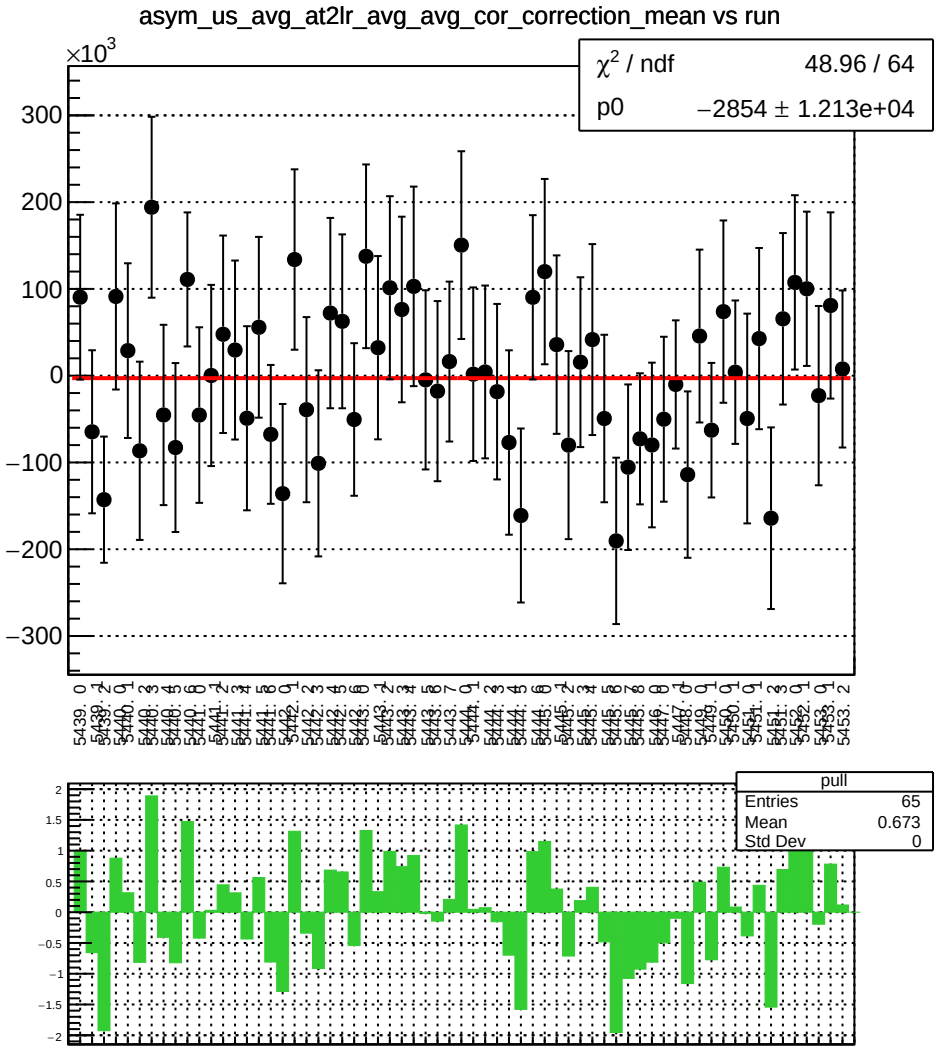

pull1D
Entries 65
Mean 0.026
Std Dev 0.8675
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

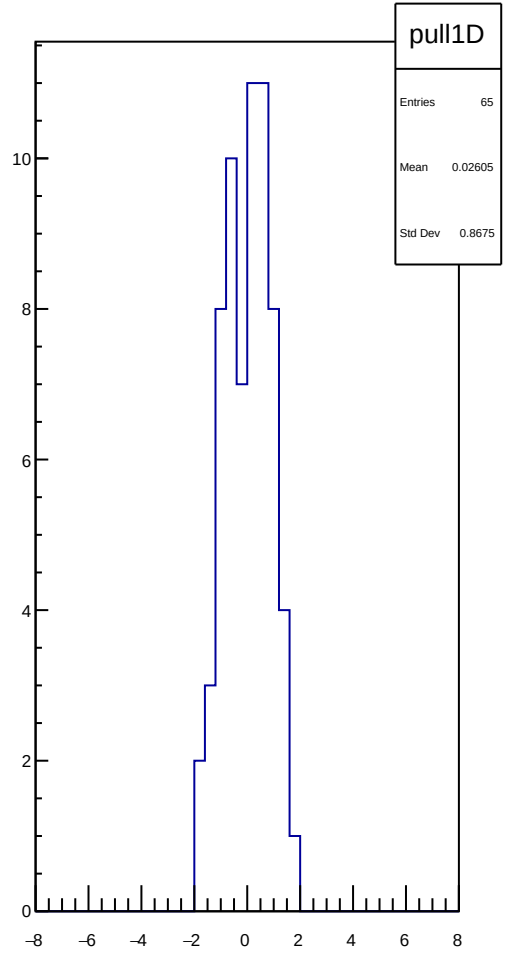

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 4085 / 64
p0 9822 ± 8.577
12000
11500
11000
10500
10000
9500
9000

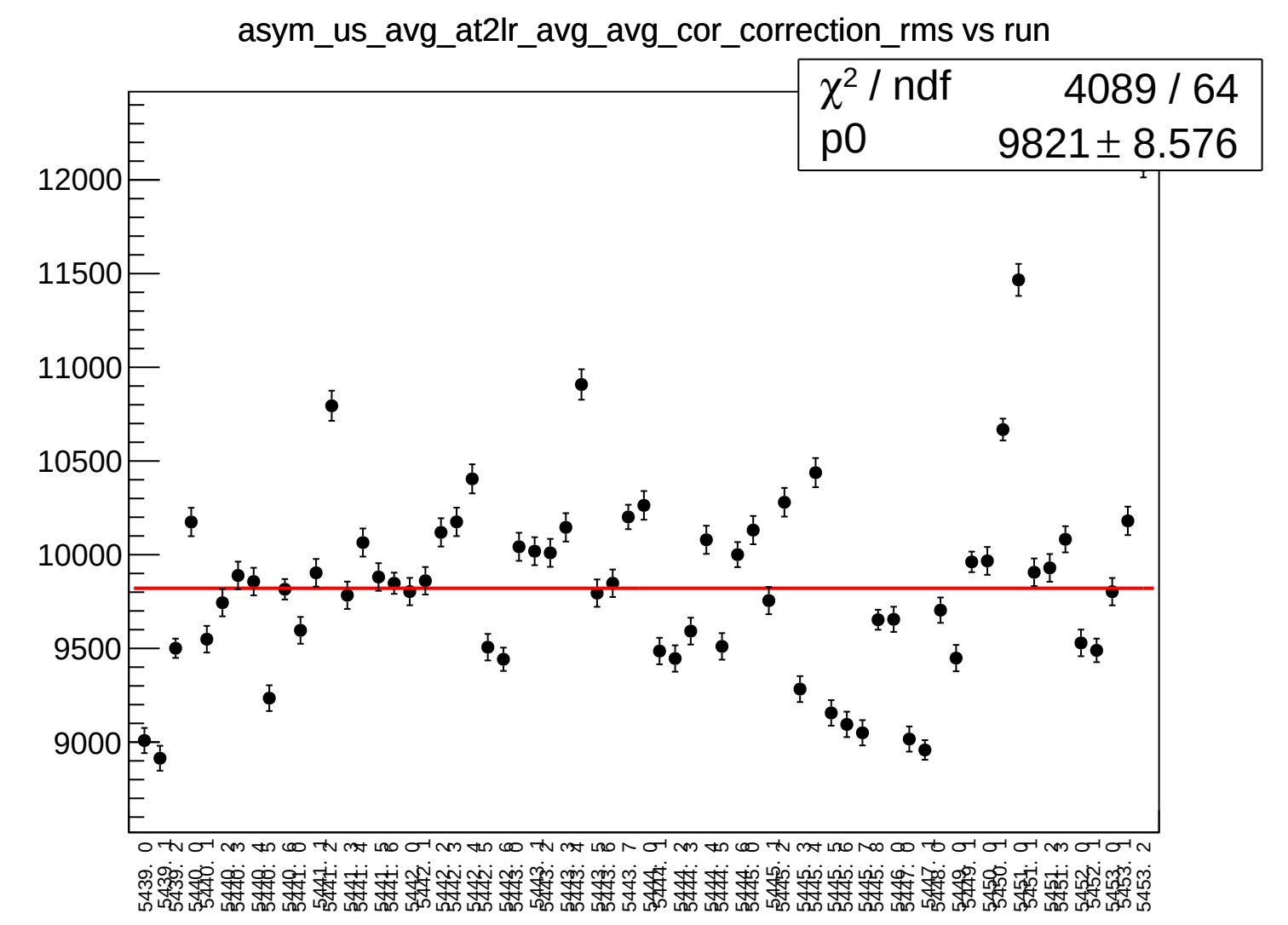

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 53.57 / 64
p0 293.9 ± 3711
pull
Entries 65
Mean 63.72
Std Dev 0

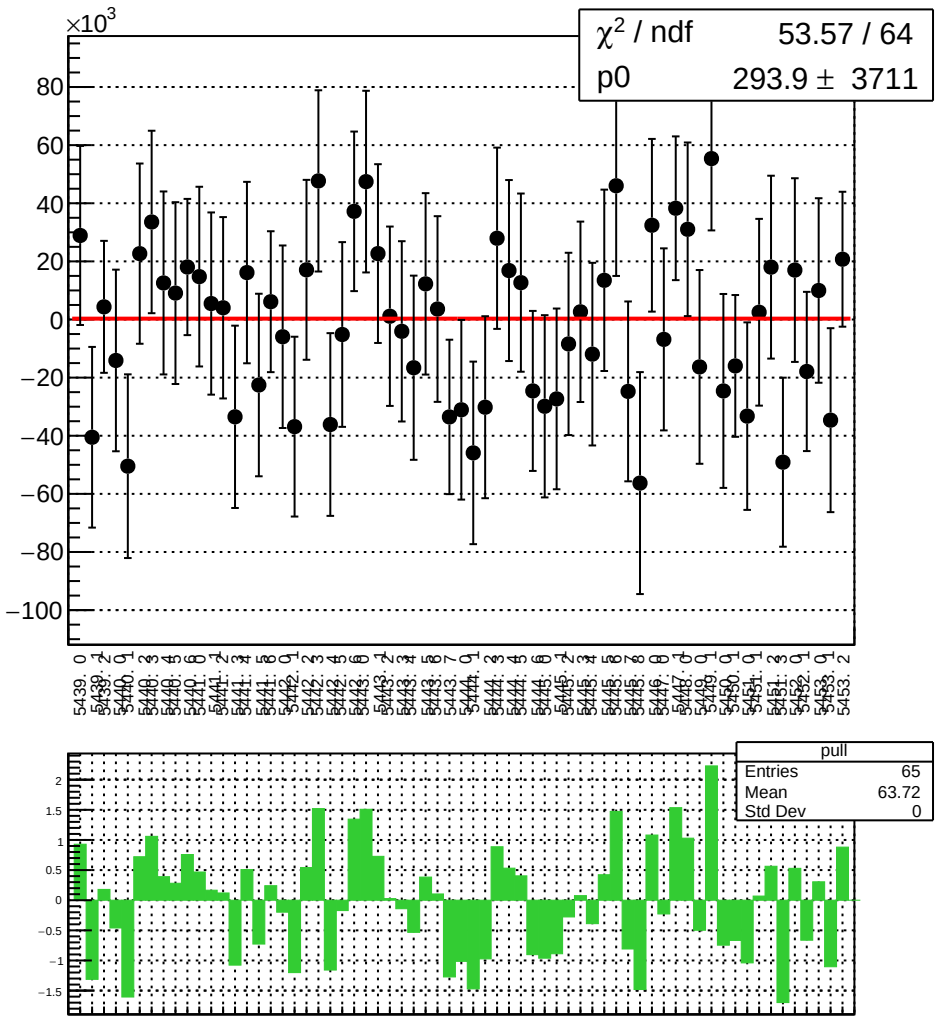

pull1D
Entries 65
Mean −0.02579
Std Dev 0.9074

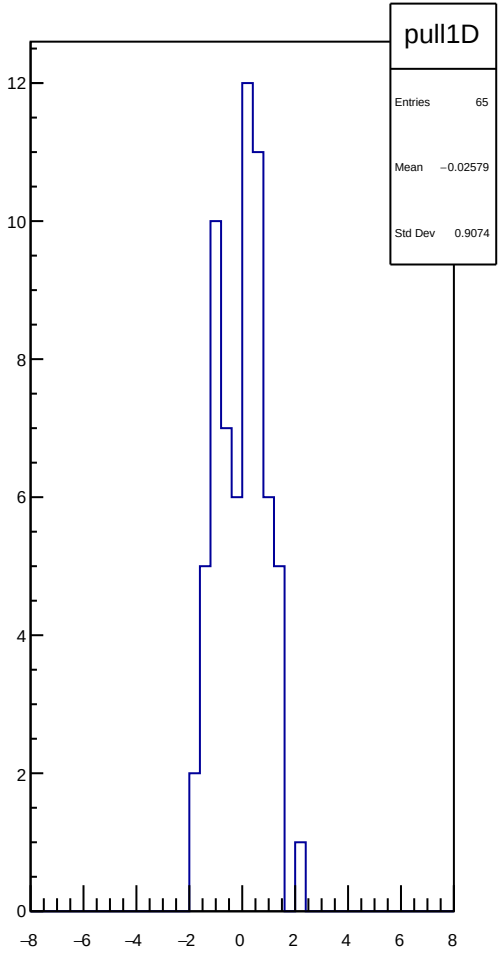

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 5415 / 64
p0 3003 ± 2.624
5000
4500
4000
3500
3000

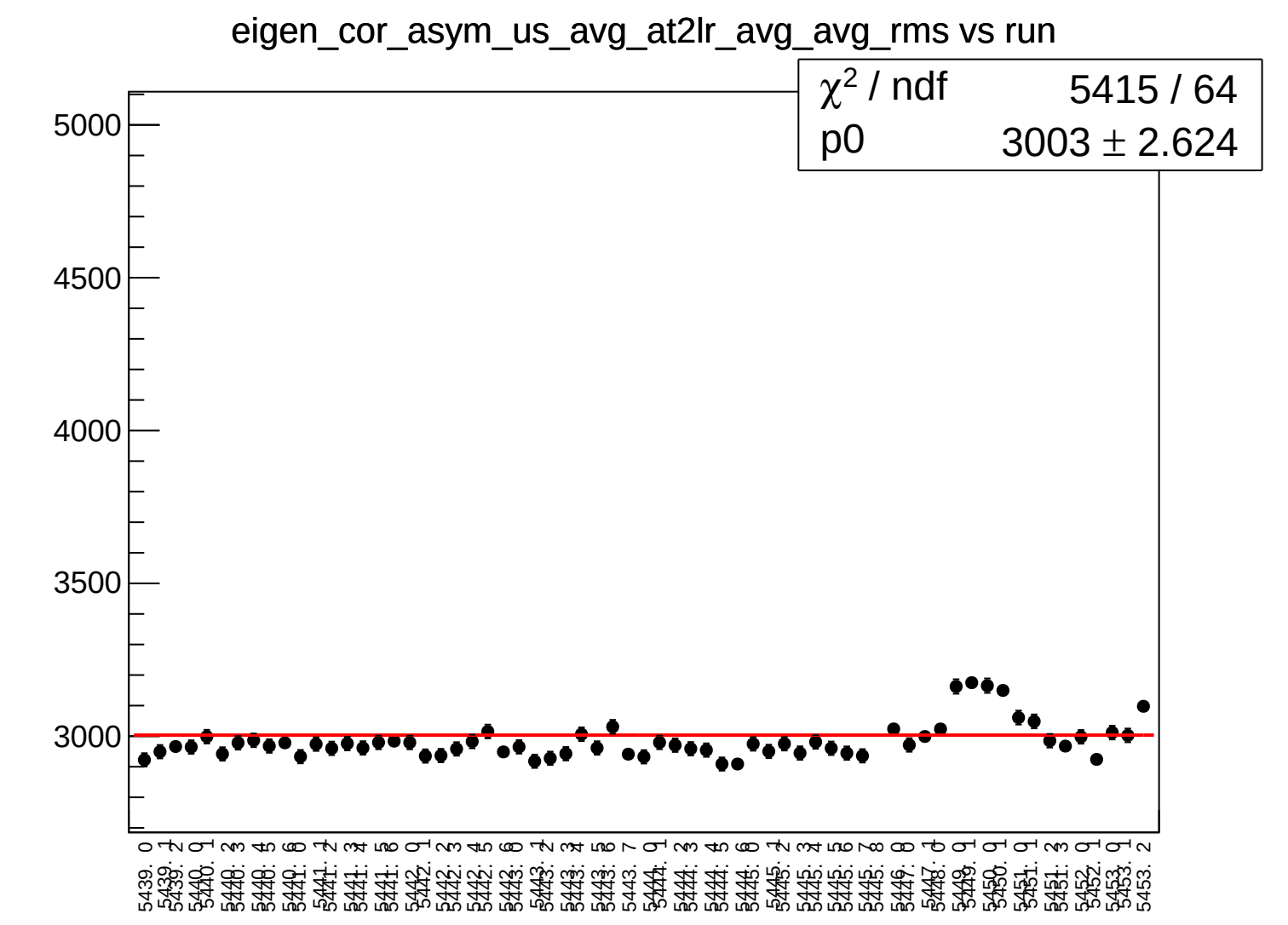

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 48.96 / 64
p0 −2854 ± 1.213e+04
pull
Entries 65
Mean 0.673
Std Dev 0

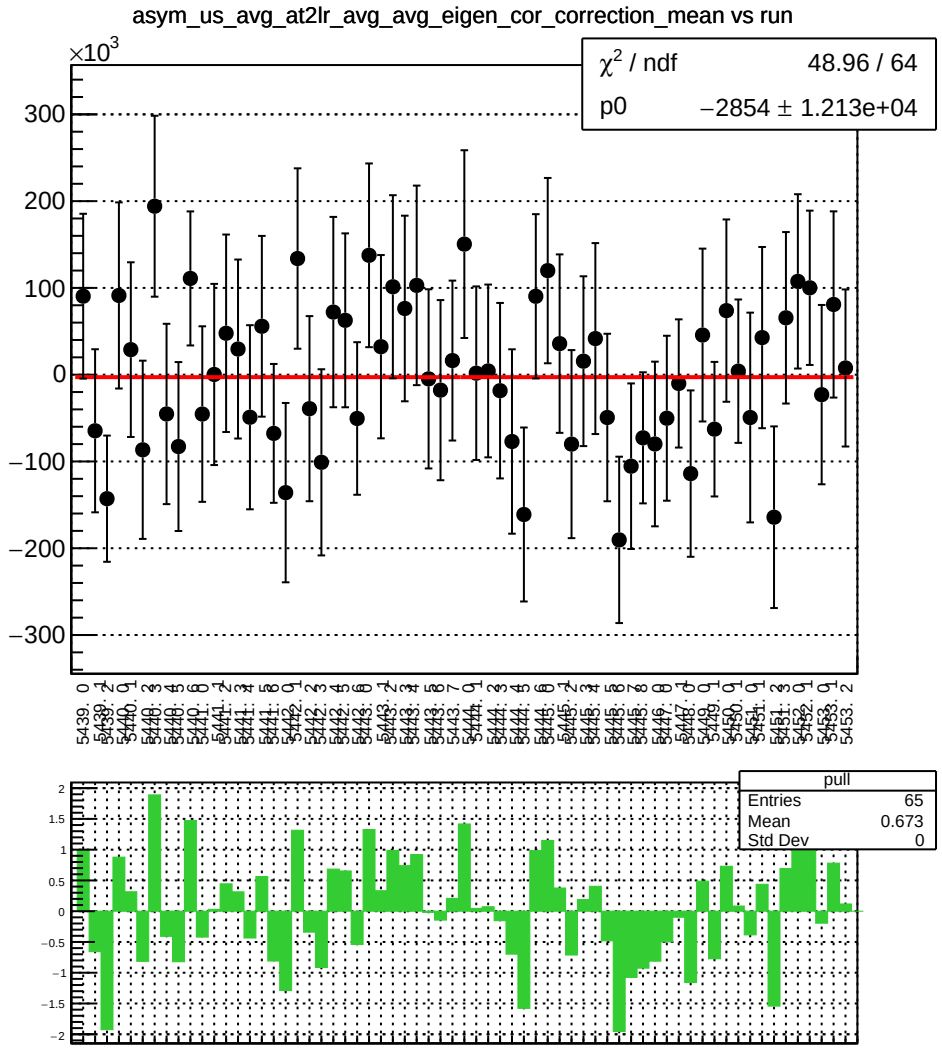

pull1D
Entries 65
Mean 0.02605
Std Dev 0.8675

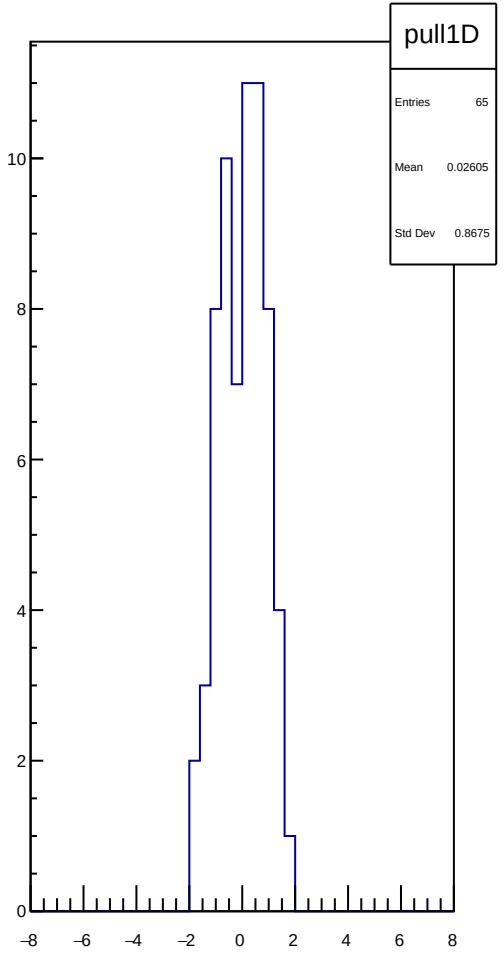

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 4089 / 64
p0 9821 ± 8.576
12000
11500
11000
10500
10000
9500
9000

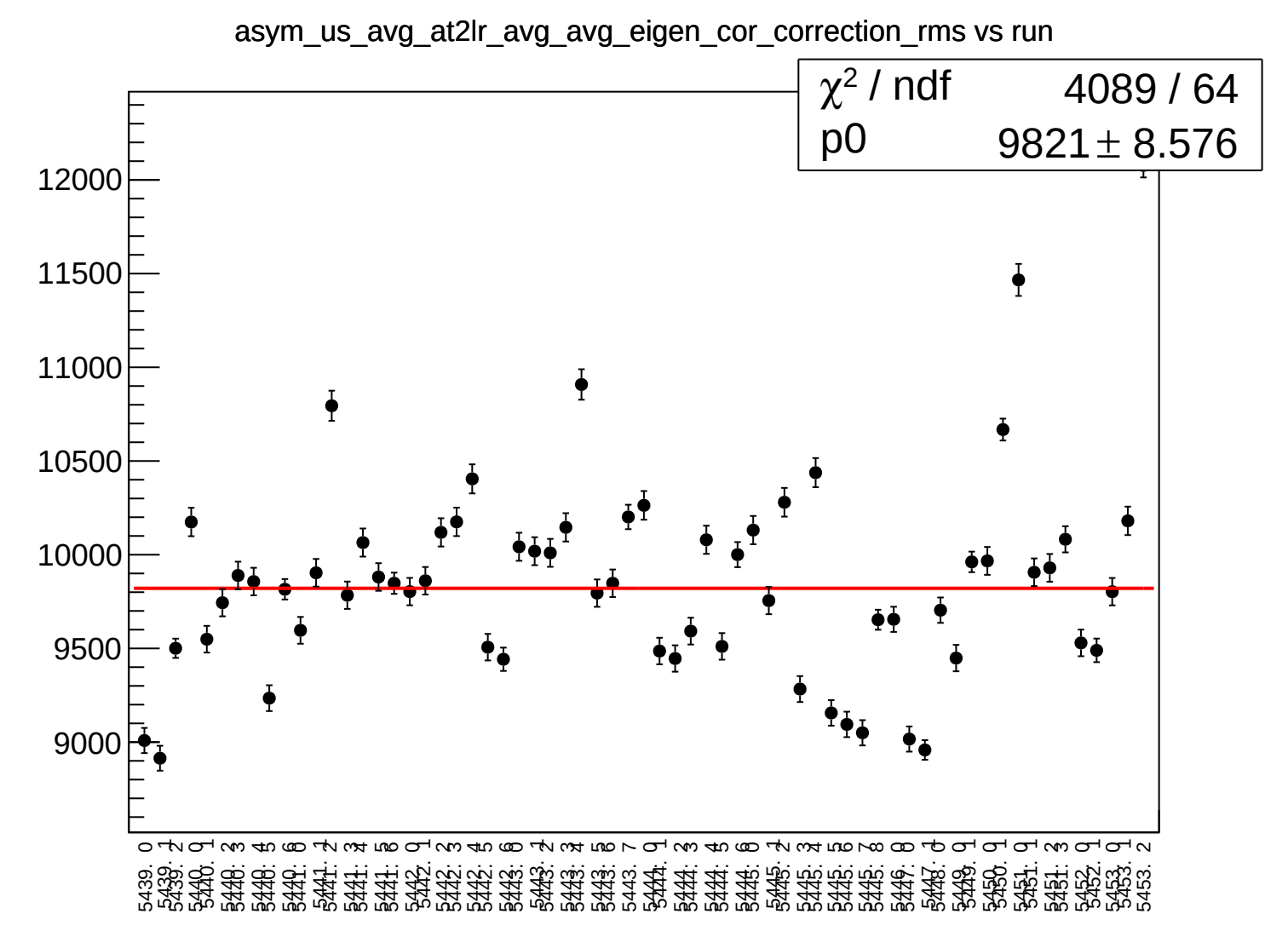

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 53.57 / 64
p0 293.9 ± 3711
pull
Entries 65
Mean 63.72
Std Dev 0

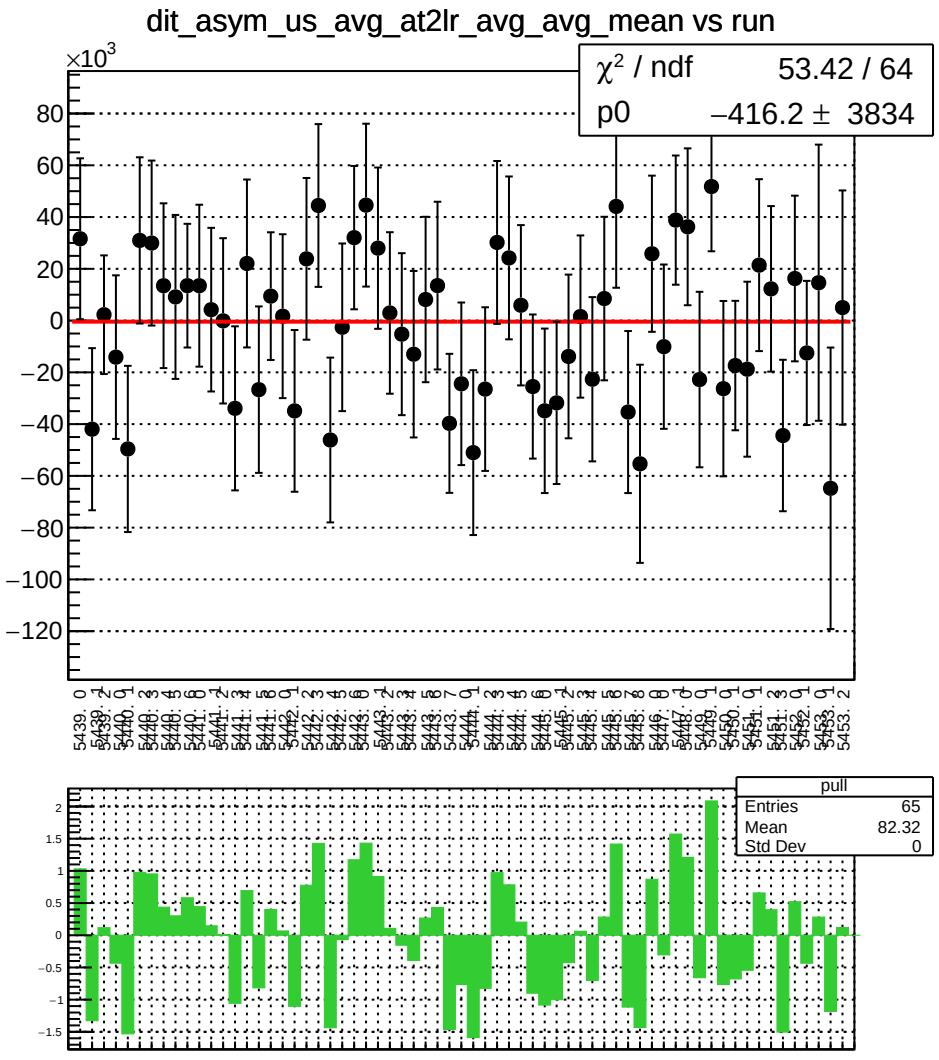

pull1D
Entries 65
Mean −0.02579
Std Dev 0.9074

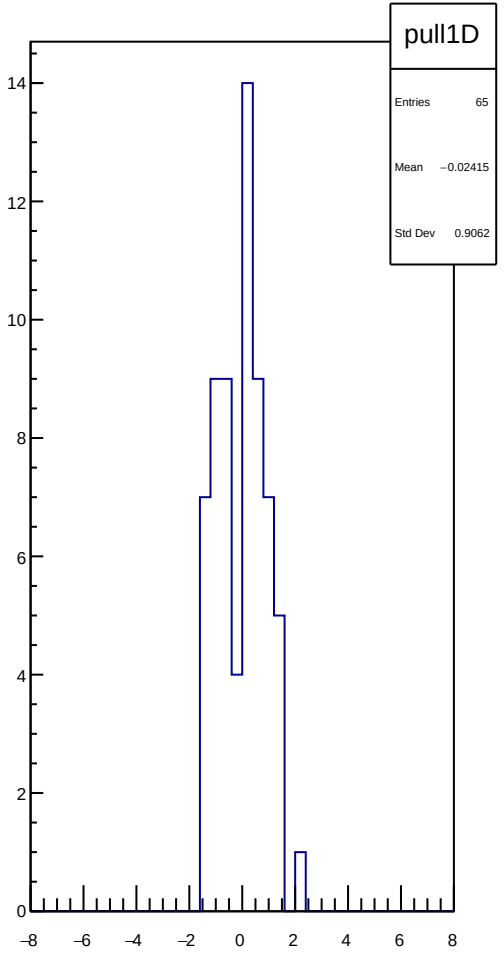

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 5415 / 64
p0 3003 ± 2.624
5000
4500
4000
3500
3000

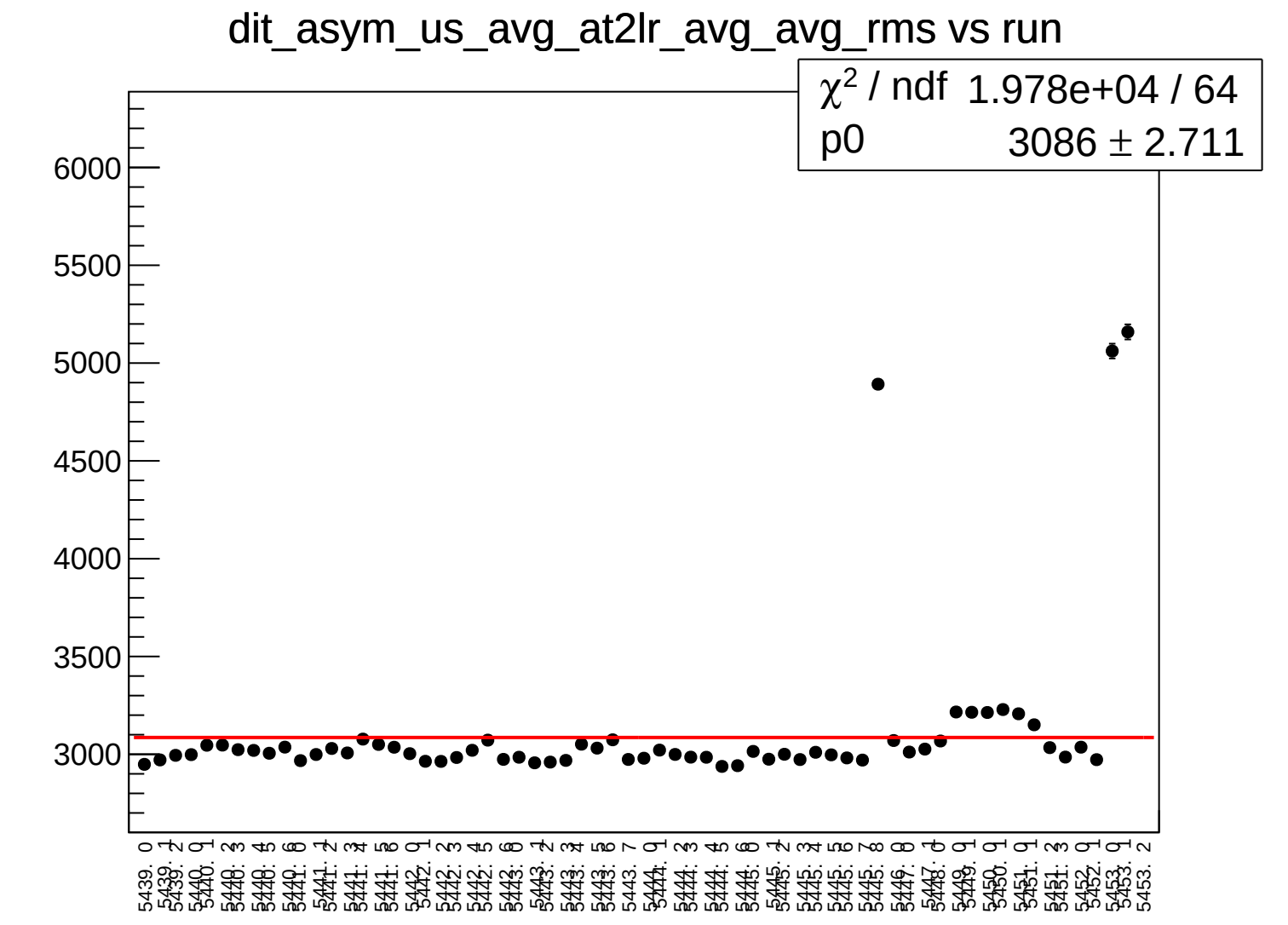

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.96 / 64
p0 −2854 ± 1.213e+04
pull
Entries 65
Mean 0.673
Std Dev 0

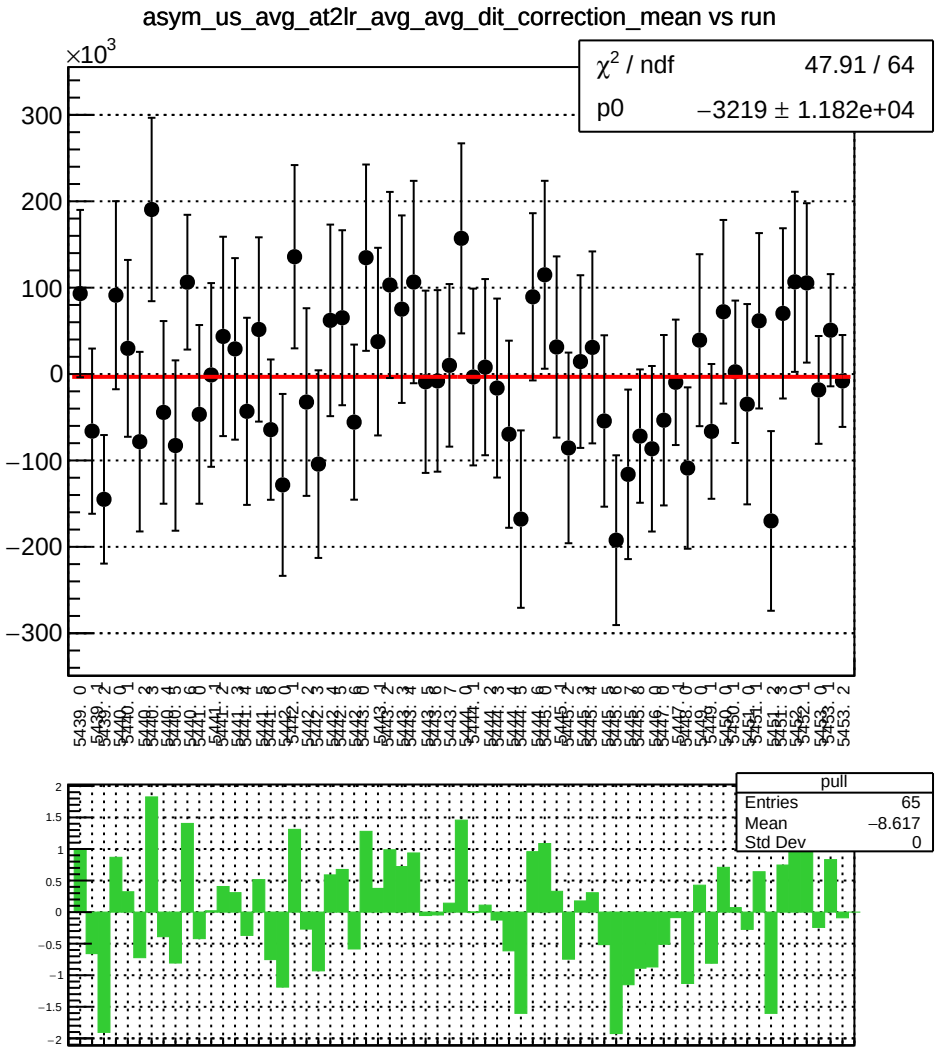

pull1D
Entries 65
Mean 0.02605
Std Dev 0.8675

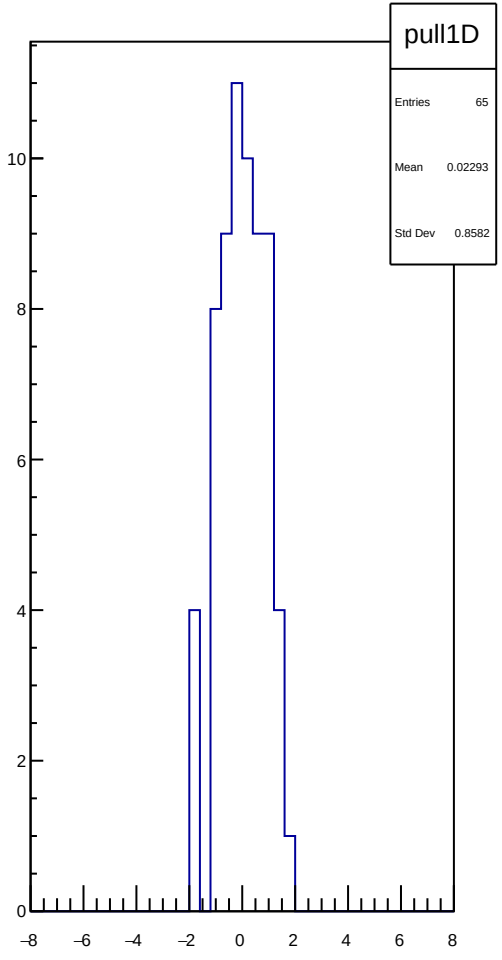

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4089 / 64
p0 9821 ± 8.576
12000
11500
11000
10500
10000
9500
9000

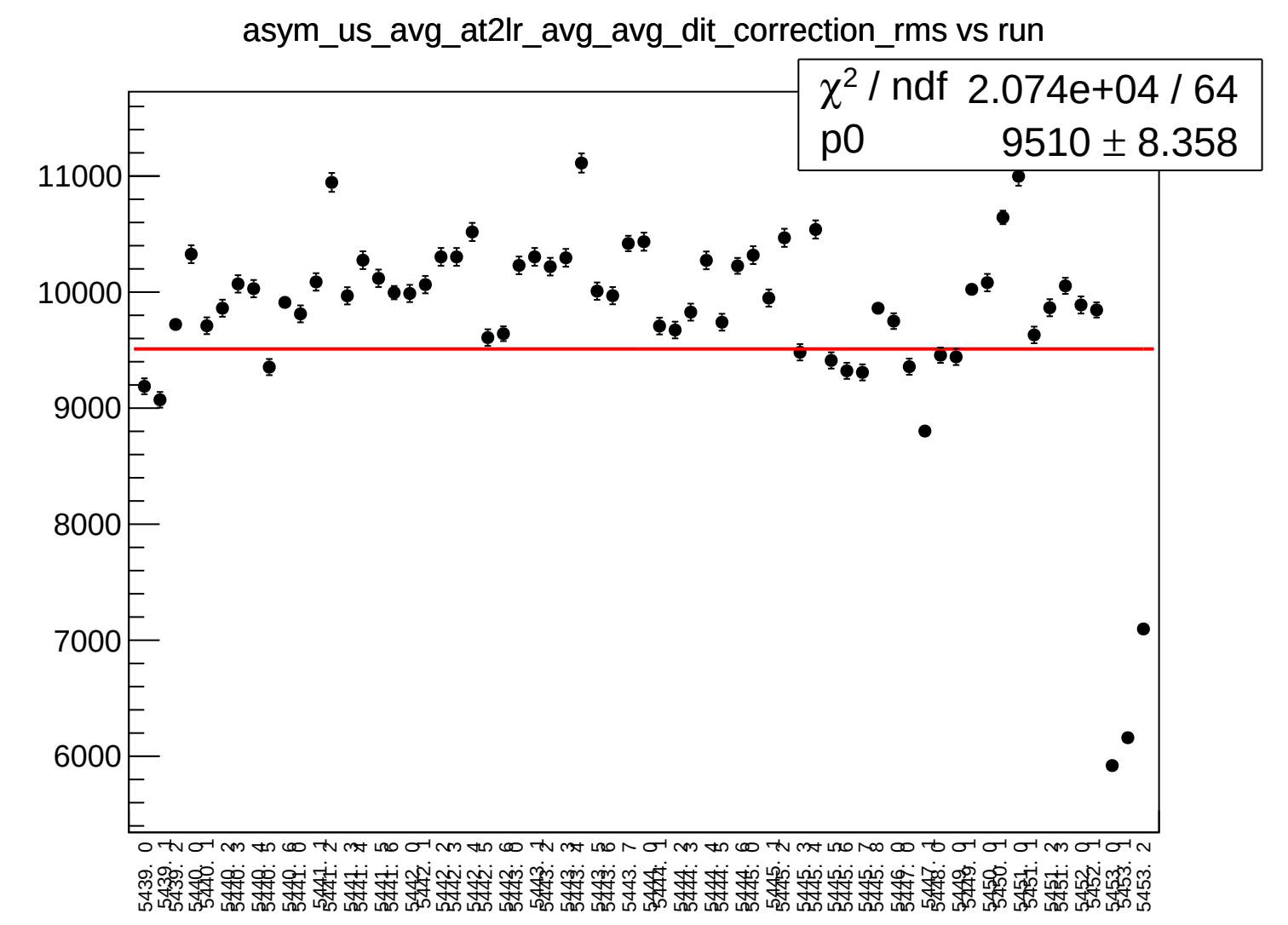

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 53.42 / 64
p0 −416.2 ± 3834
pull
Entries 65
Mean 82.32
Std Dev 0

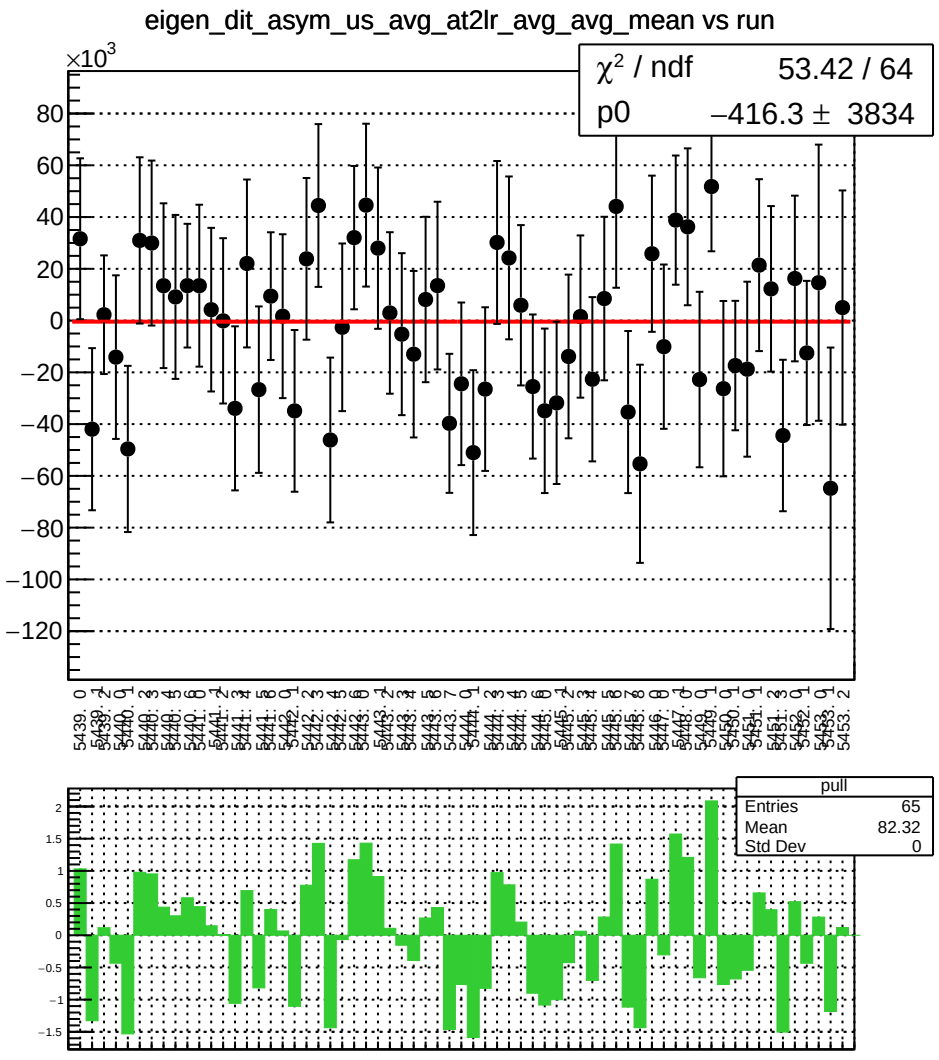

pull1D
Entries 65
Mean −0.02415
Std Dev 0.9062

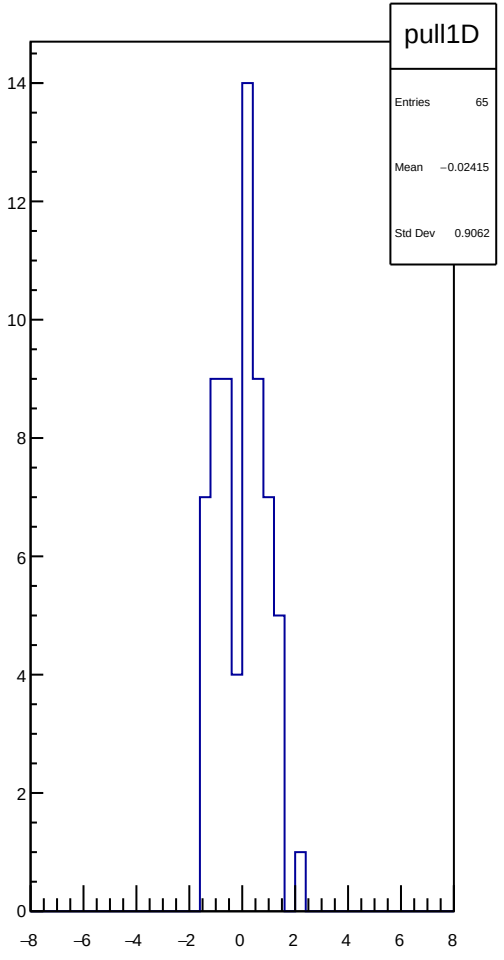

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1.978e+04 / 64
p0 3086 ± 2.711
6000
5500
5000
4500
4000
3500
3000

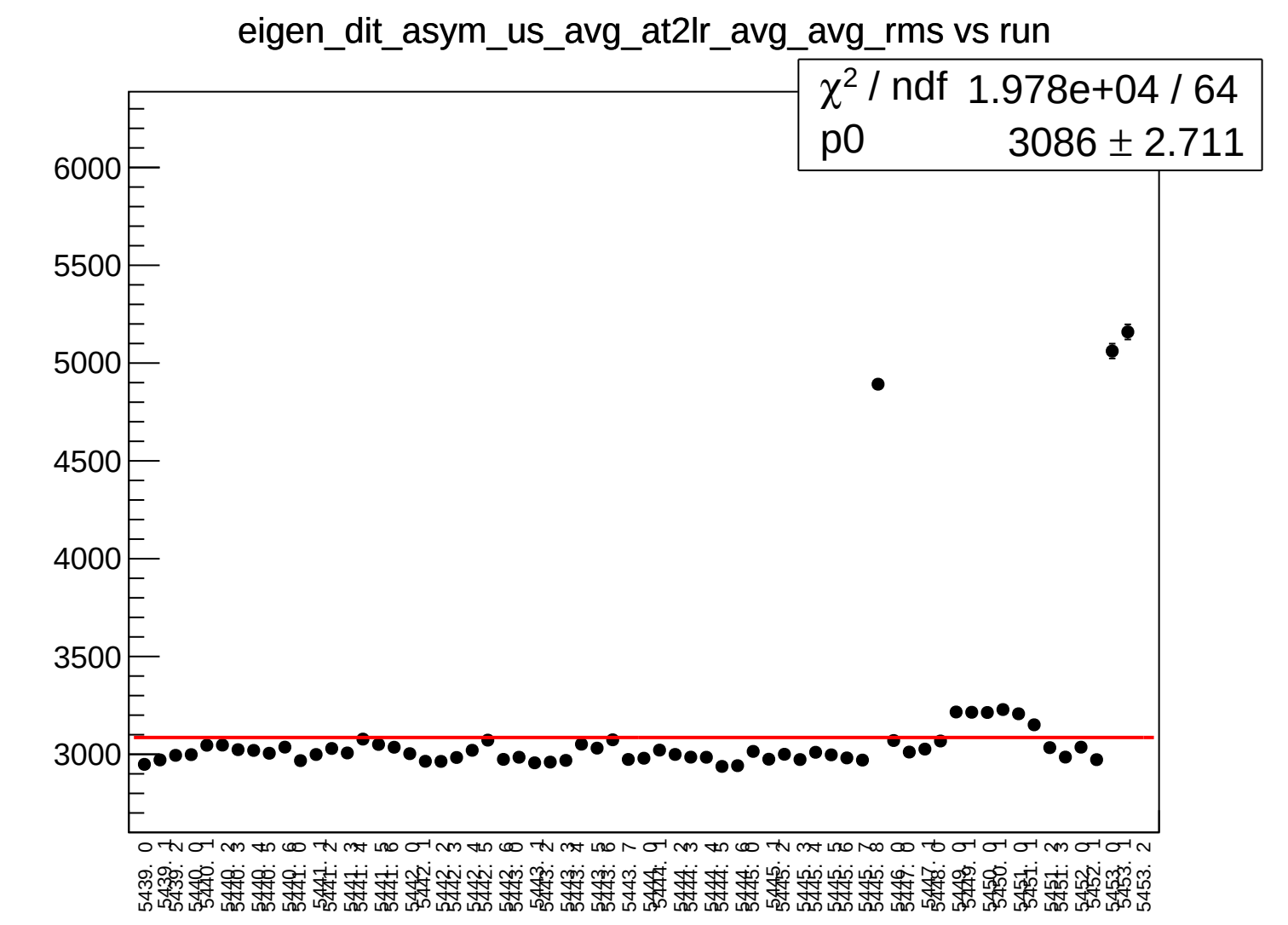

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
χ² / ndf 47.91 / 64
p0 −3219 ± 1.182e+04
×10³
pull
Entries 65
Mean −8.617
Std Dev 0

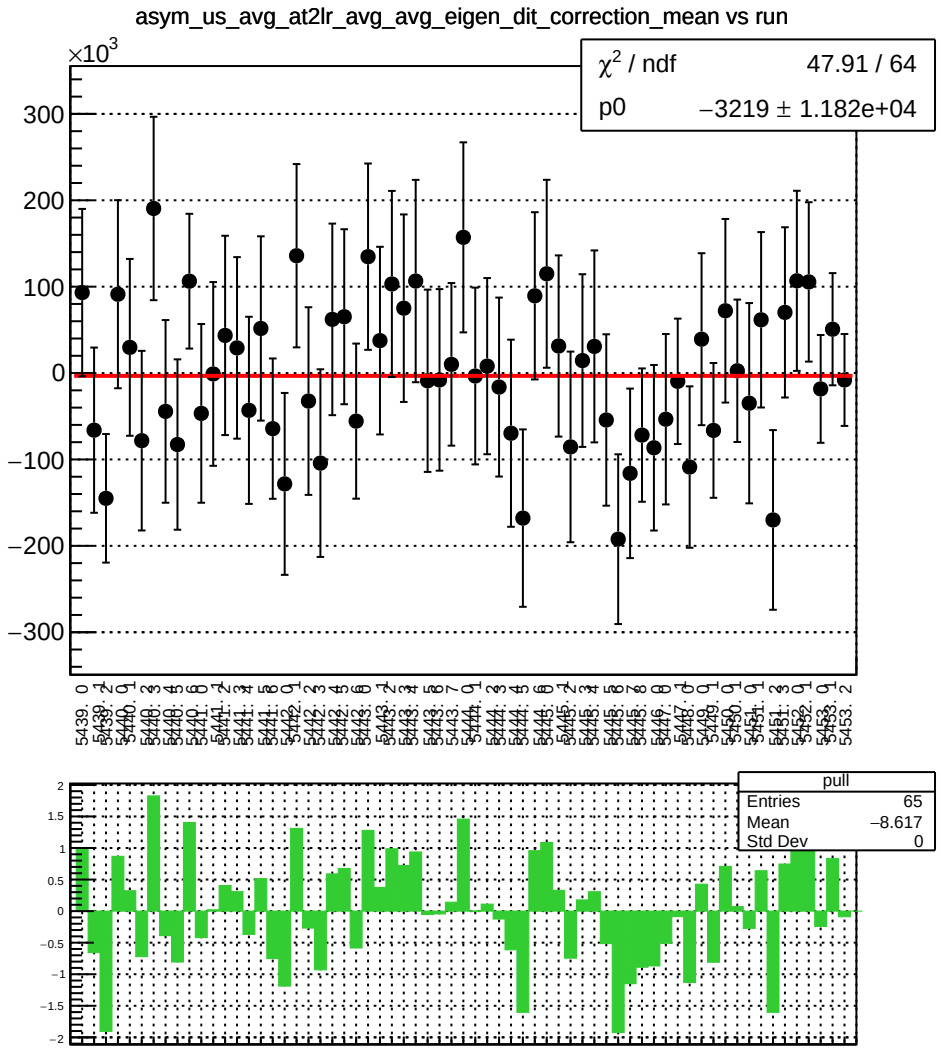

pull1D
Entries 65
Mean 0.02293
Std Dev 0.8582

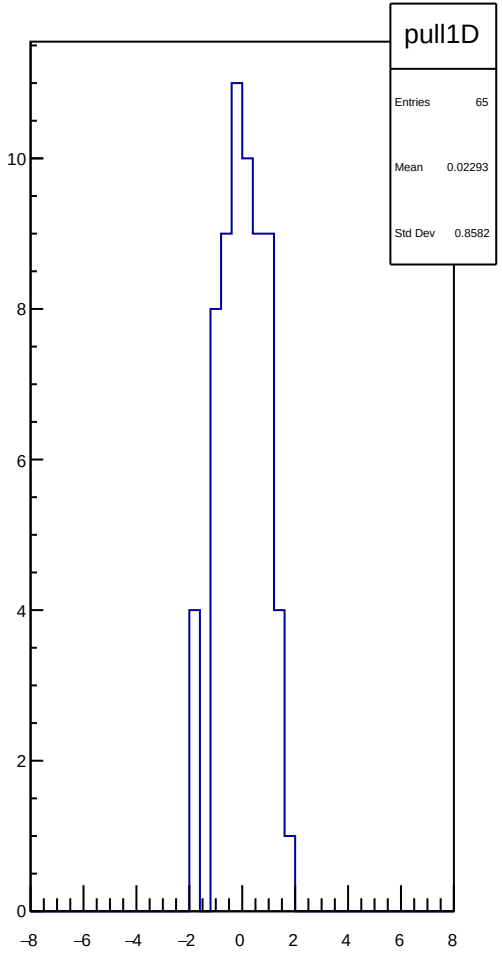

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.074e+04 / 64
p0 9510 ± 8.358
11000
10000
9000
8000
7000
6000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

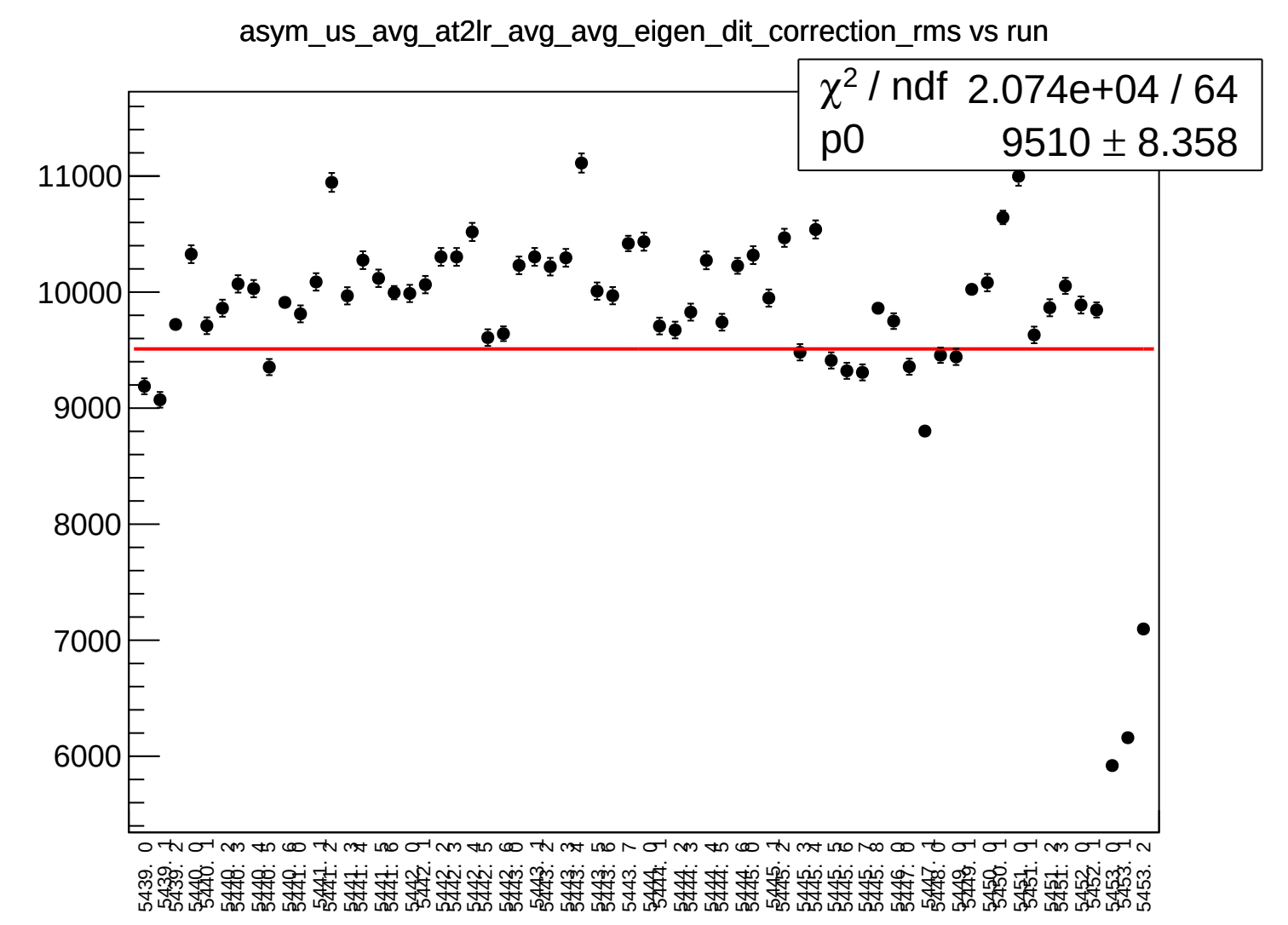

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 53.42 / 64
p0 −416.3 ± 3834
×10³
pull
Entries 65
Mean 82.32
Std Dev 0

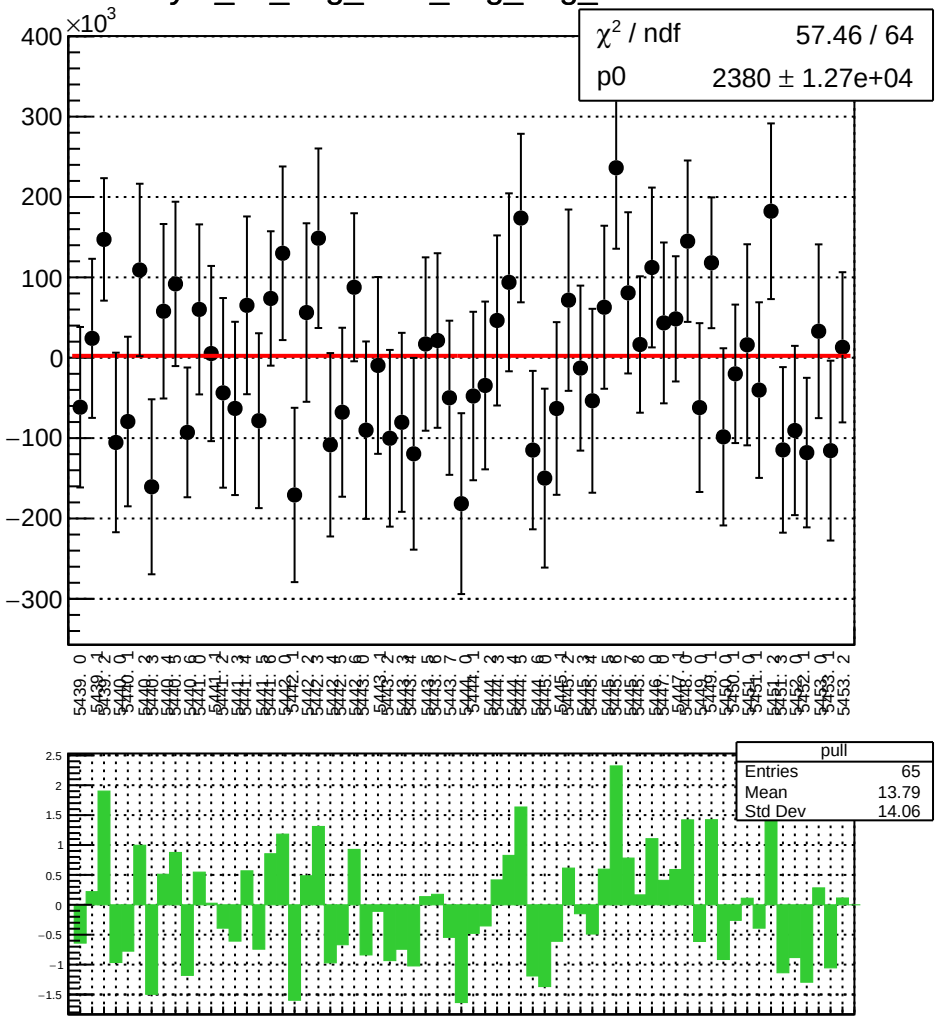

pull1D
Entries 65
Mean −0.02415
Std Dev 0.9062

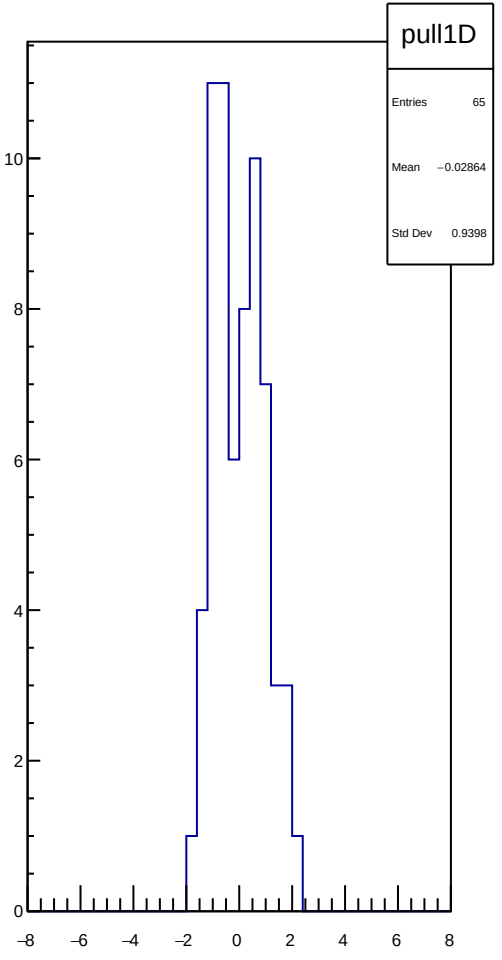

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1.978e+04 / 64
p0 3086 ± 2.711
6000
5500
5000
4500
4000
3500
3000

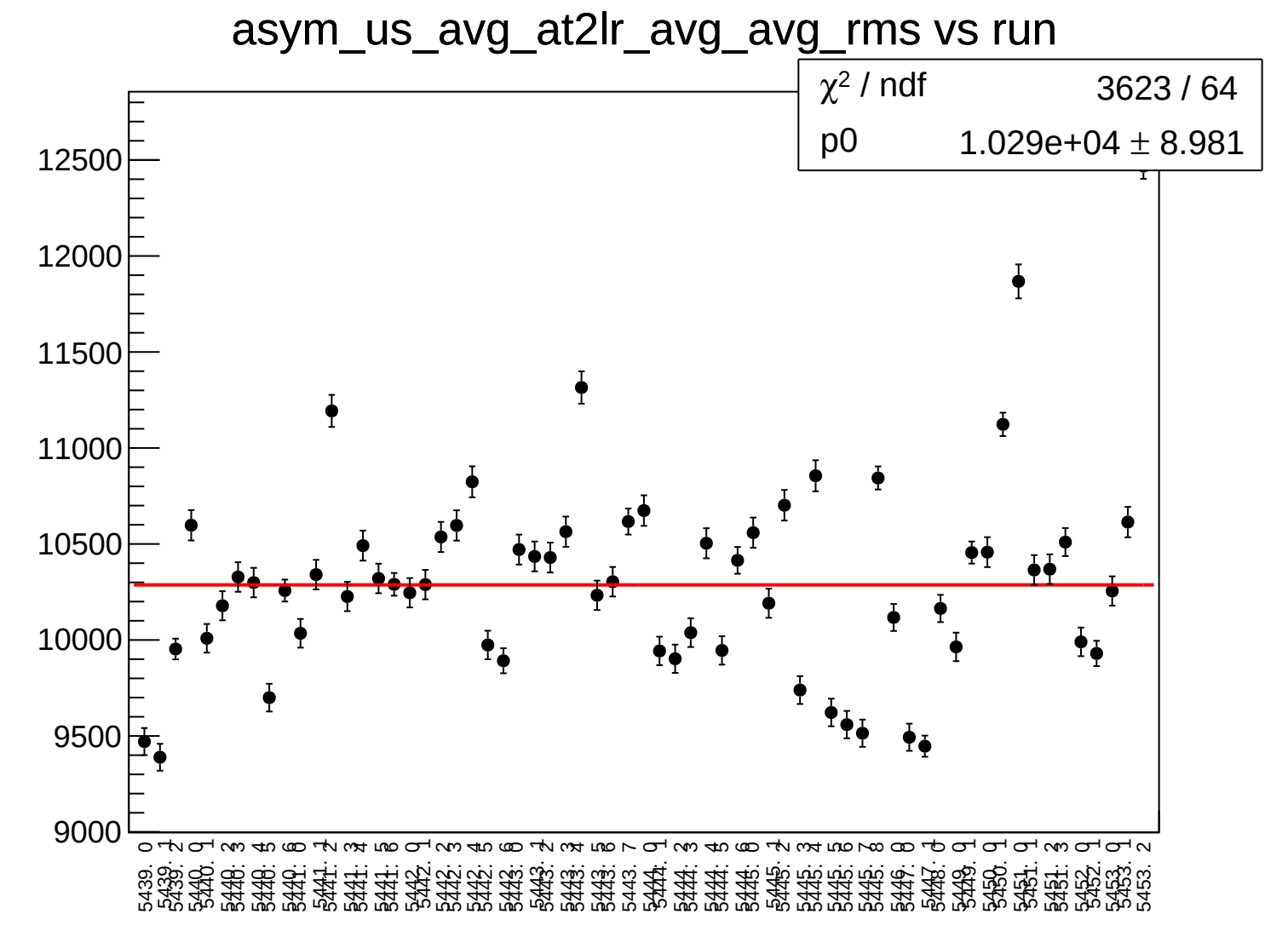

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.91 / 64
p0 −3219 ± 1.182e+04
300
200
100
0
−100
−200
−300
pull
Entries 65
Mean −8.617
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

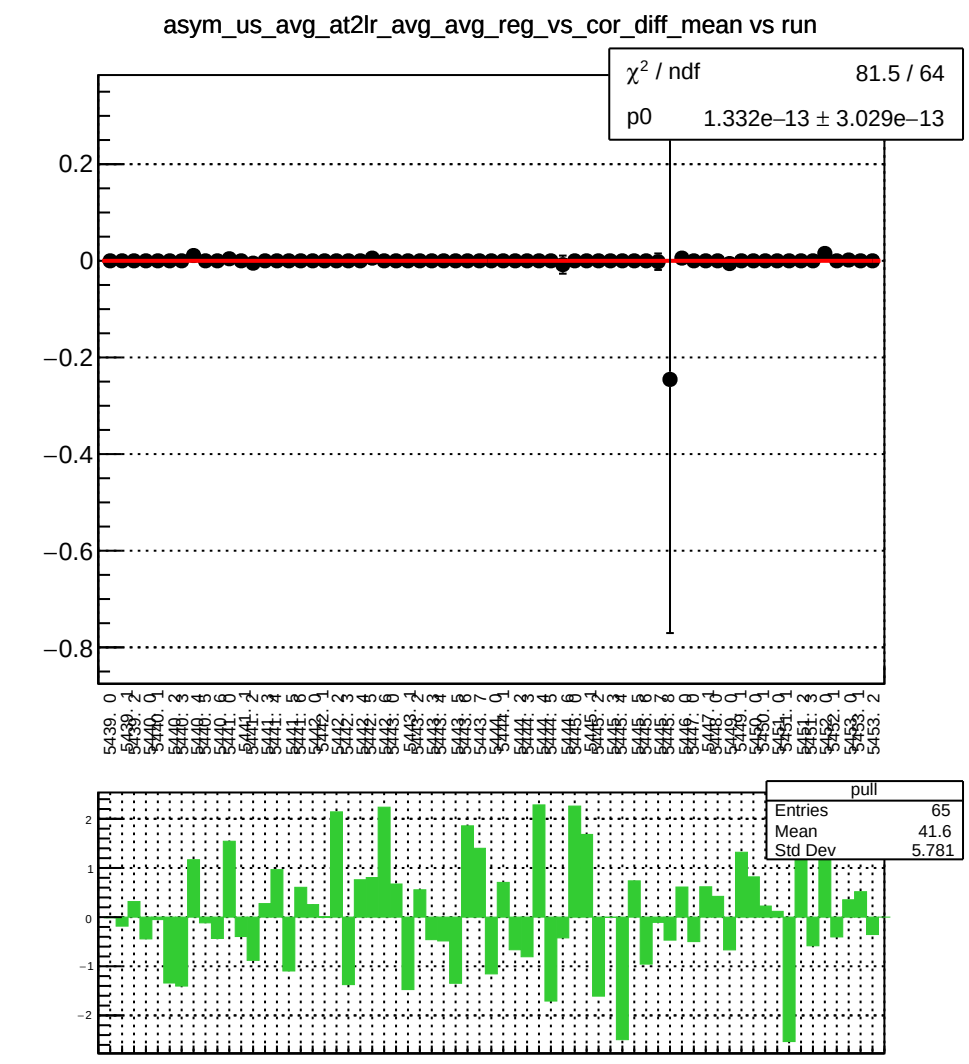

pull1D
Entries 65
Mean 0.02293
Std Dev 0.8582
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

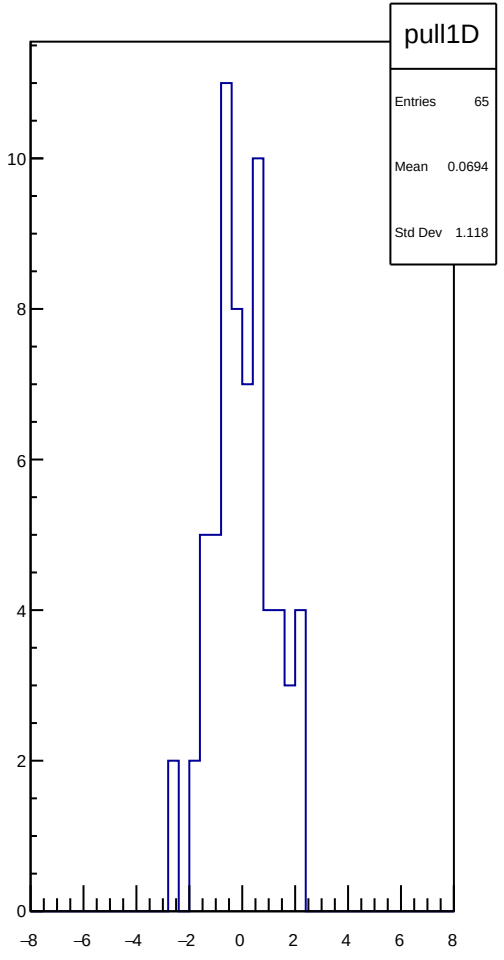

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.074e+04 / 64
p0 9510 ± 8.358
11000
10000
9000
8000
7000
6000

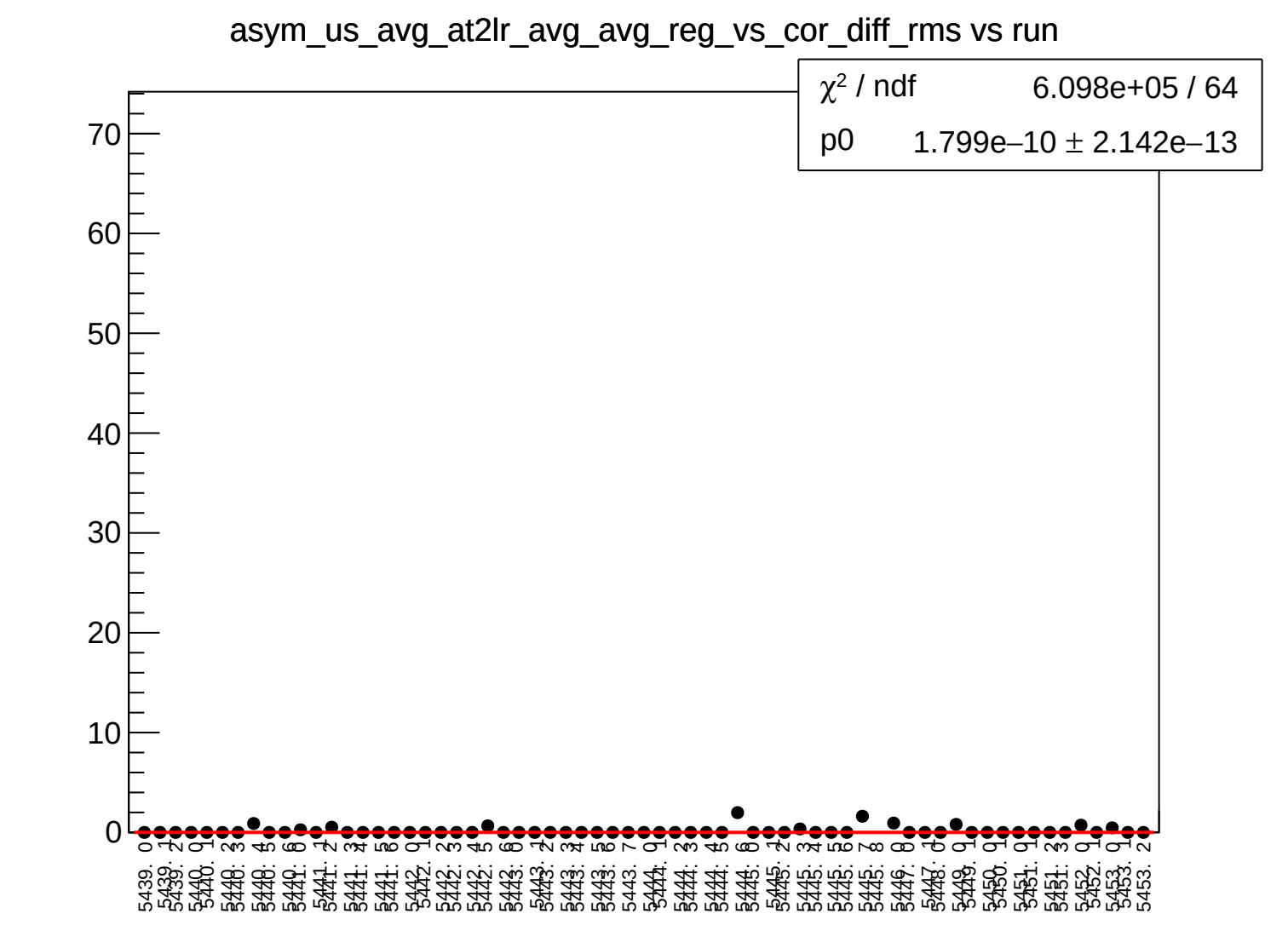

asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 57.46 / 64
p0 2380 ± 1.27e+04
pull
Entries 65
Mean 13.79
Std Dev 14.06

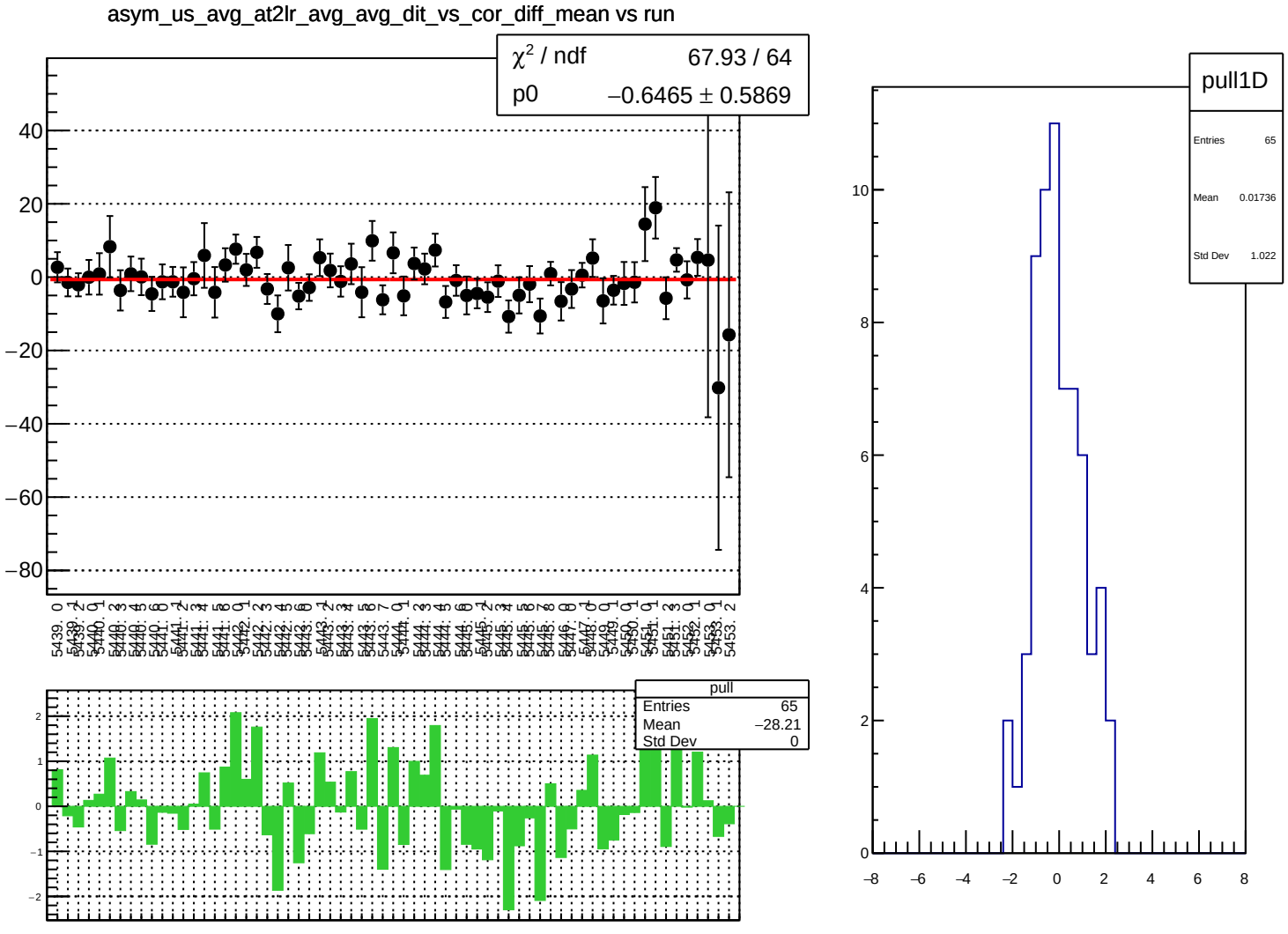

pull1D
Entries 65
Mean −0.02864
Std Dev 0.9398

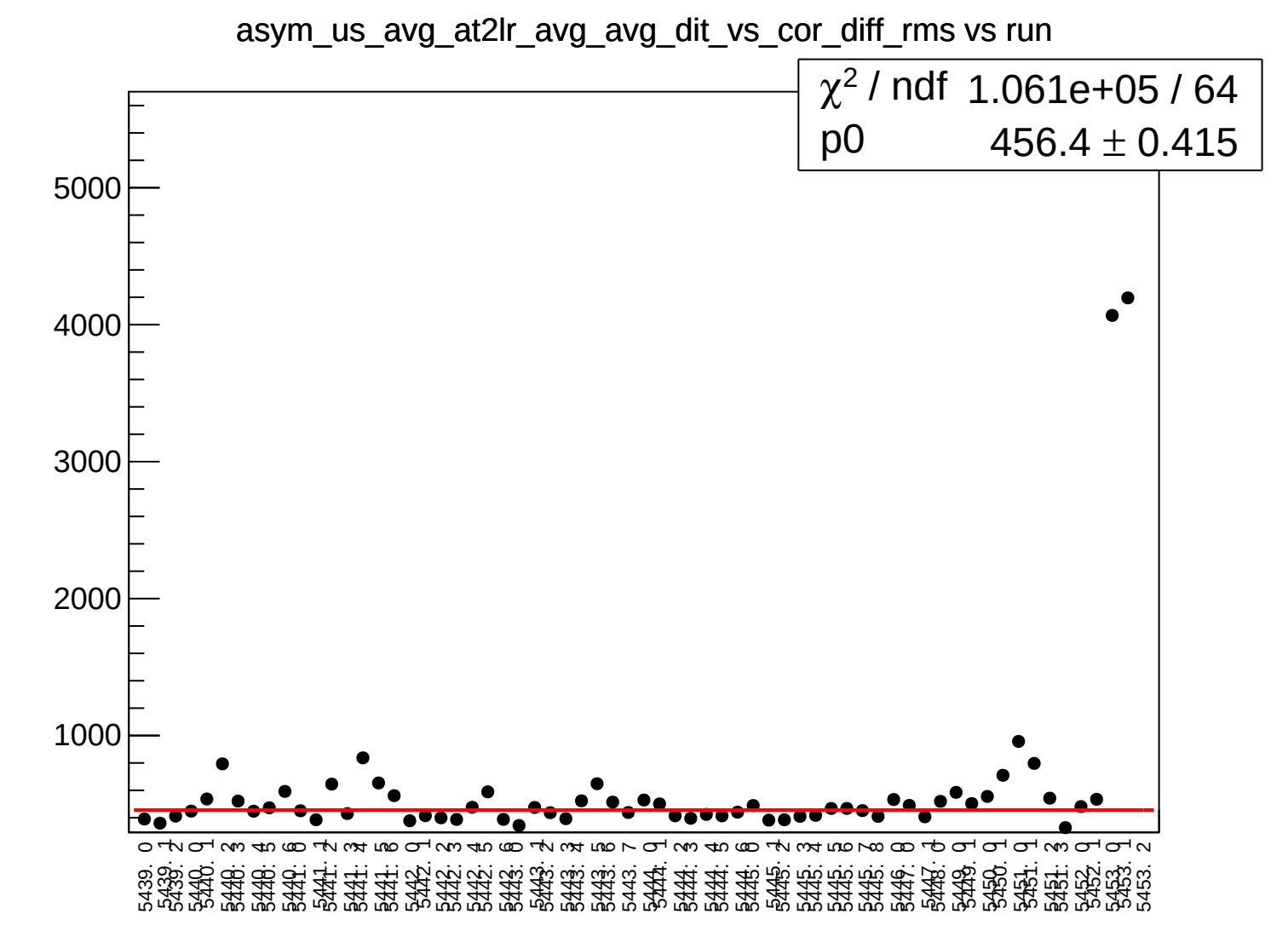

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 3623 / 64
p0 1.029e+04 ± 8.981
12500
12000
11500
11000
10500
10000
9500
9000

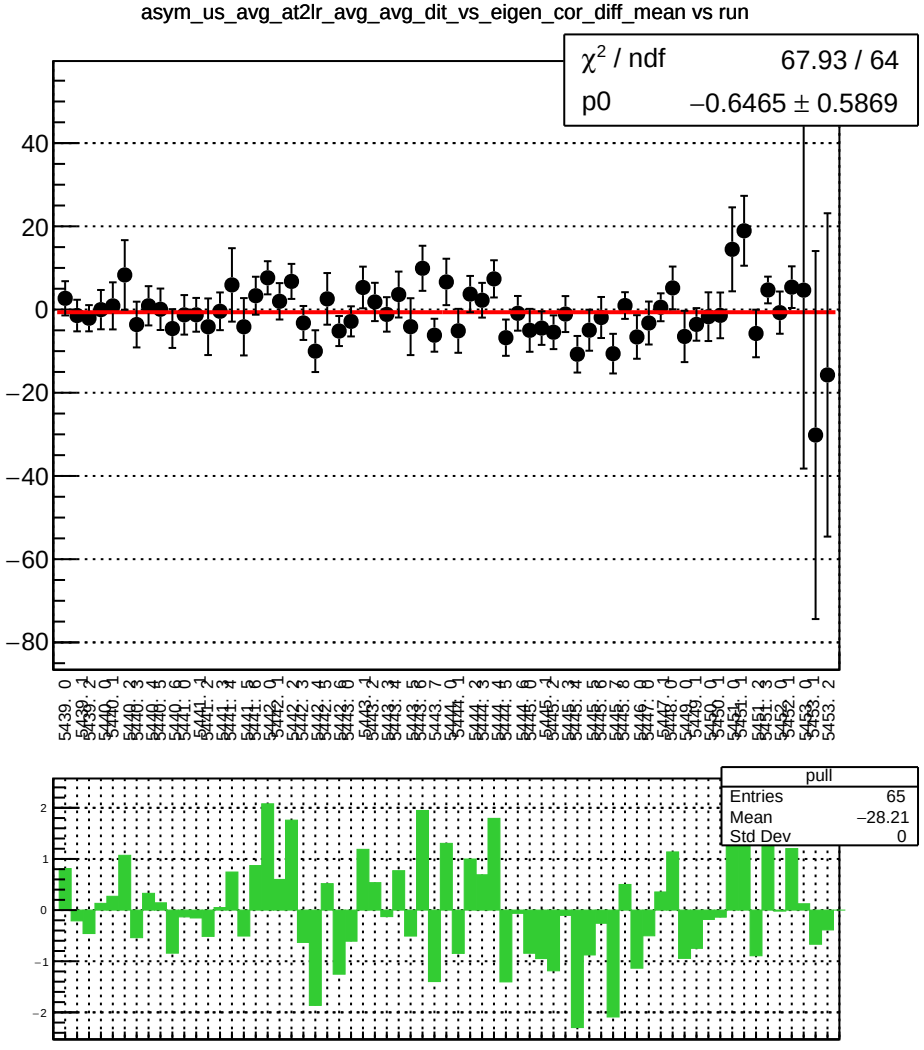

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.5 / 64
p0 1.332e−13 ± 3.029e−13
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 65
Mean 41.6
Std Dev 5.781
2
1
0
−1
−2

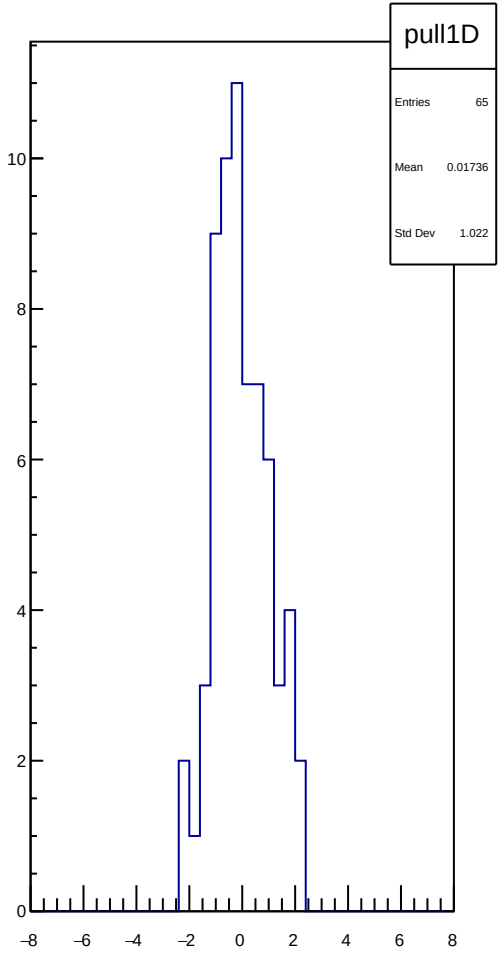

pull1D
Entries 65
Mean 0.0694
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

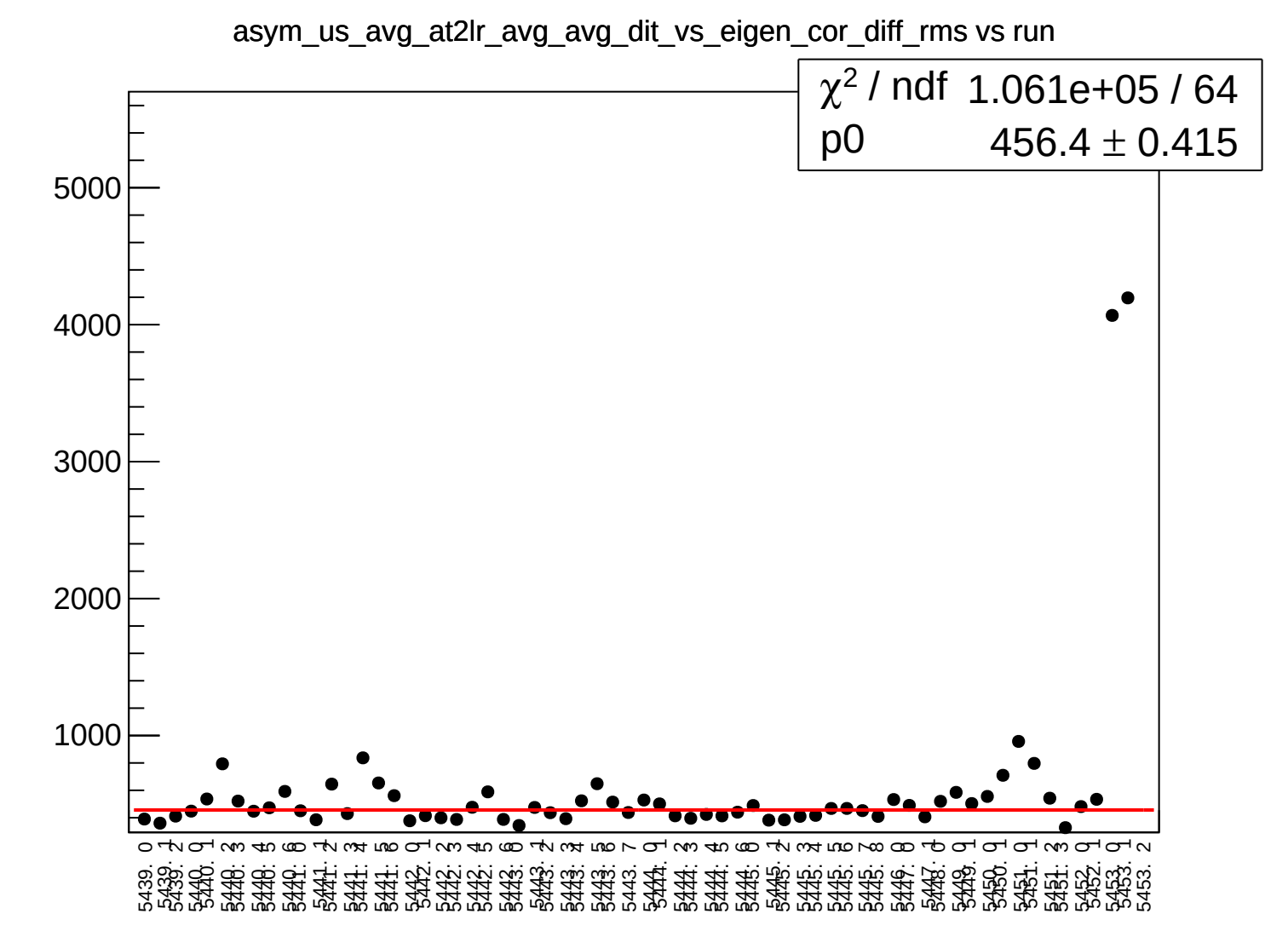

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.098e+05 / 64
p0 1.799e−10 ± 2.142e−13
70
60
50
40
30
20
10
0

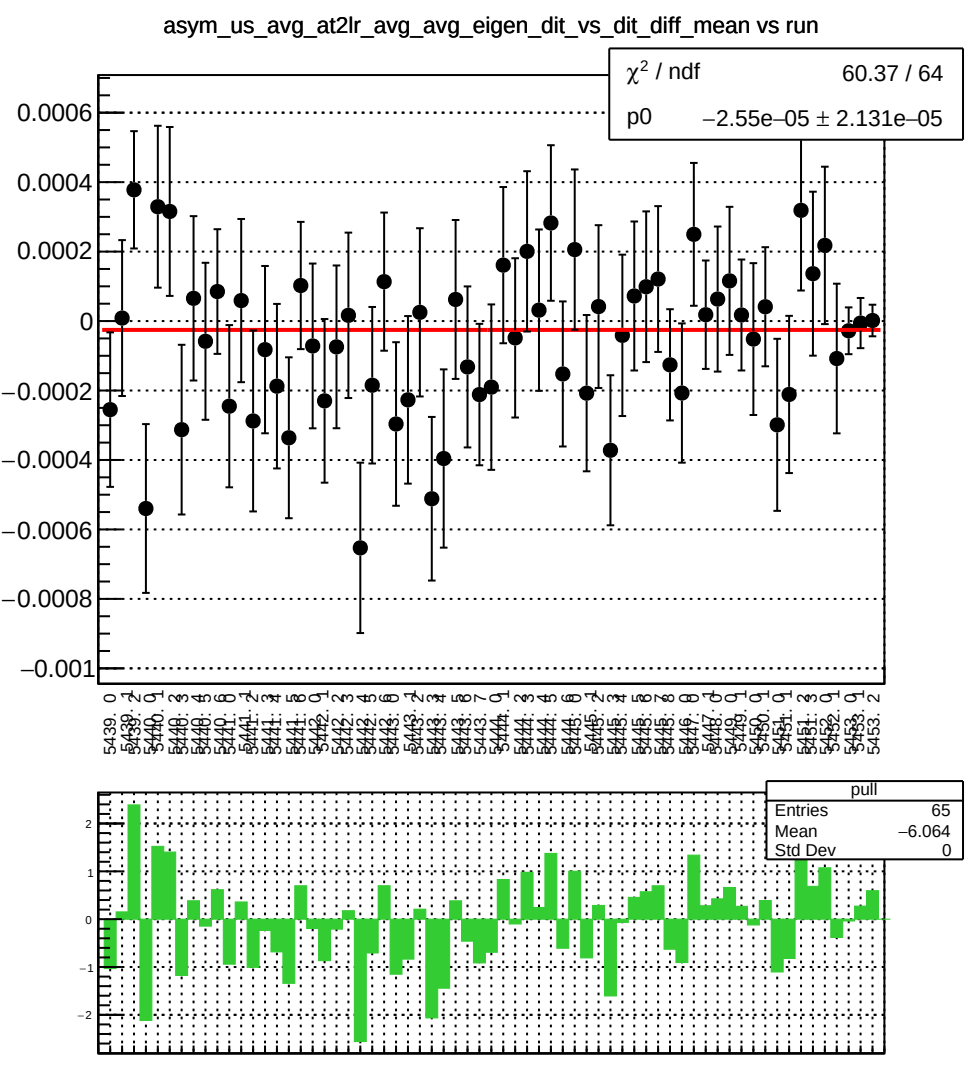

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.93 / 64
p0 −0.6465 ± 0.5869
pull
Entries 65
Mean −28.21
Std Dev 0
pull1D
Entries 65
Mean 0.01736
Std Dev 1.022

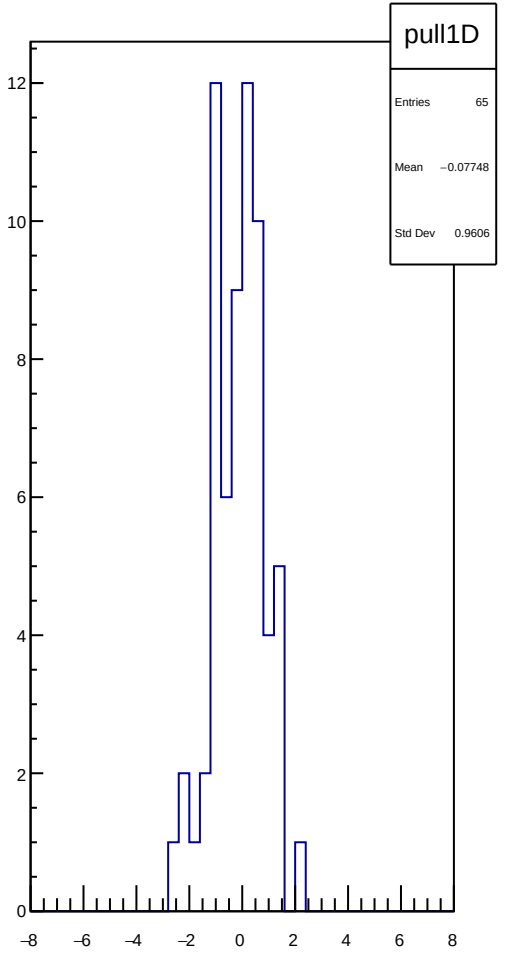

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 64
p0 456.4 ± 0.415
5000
4000
3000
2000
1000

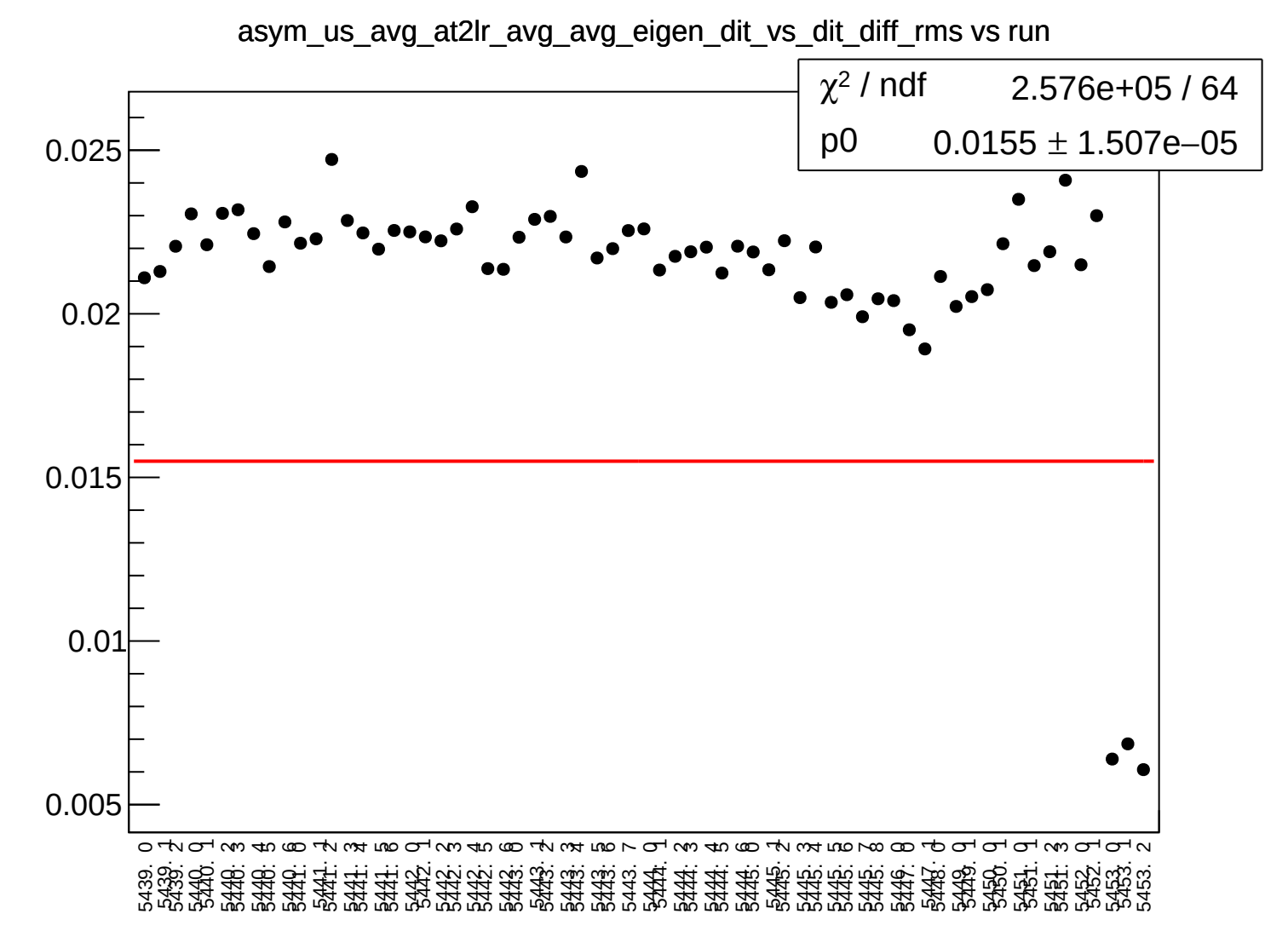

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.93 / 64
p0 −0.6465 ± 0.5869
pull
Entries 65
Mean −28.21
Std Dev 0

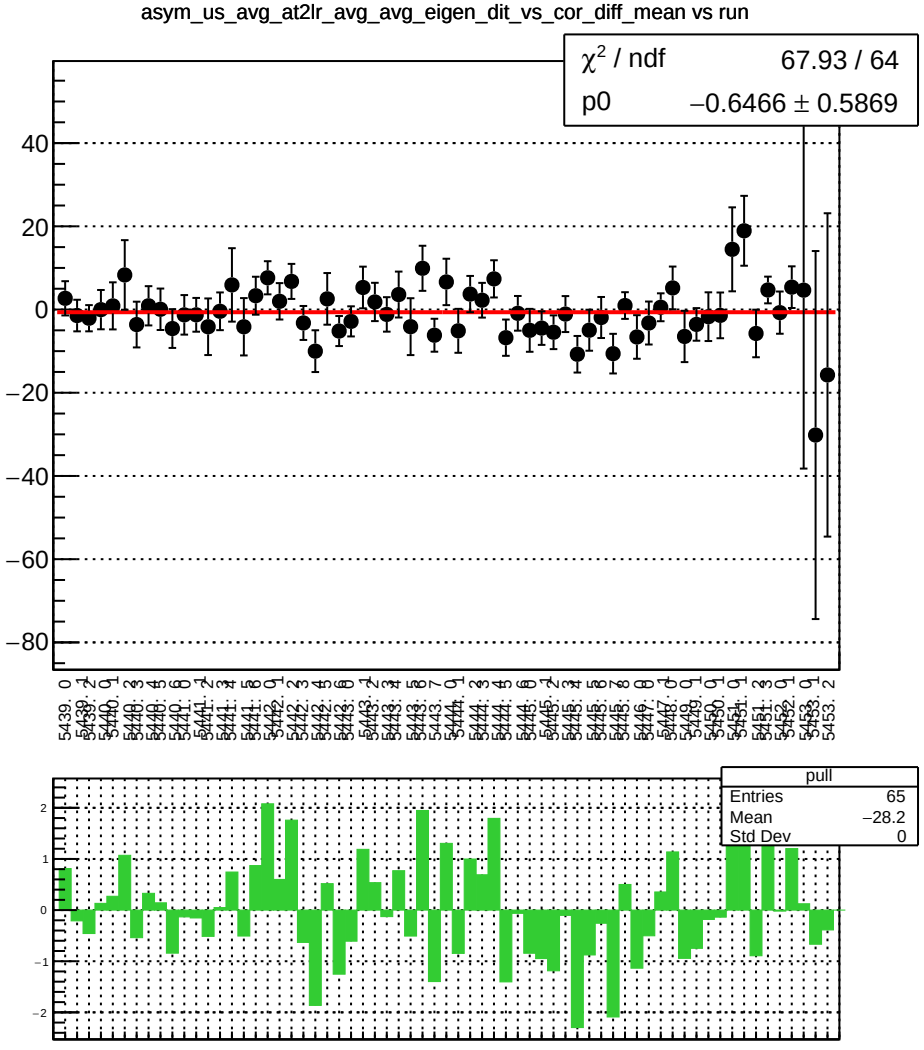

pull1D
Entries 65
Mean 0.01736
Std Dev 1.022

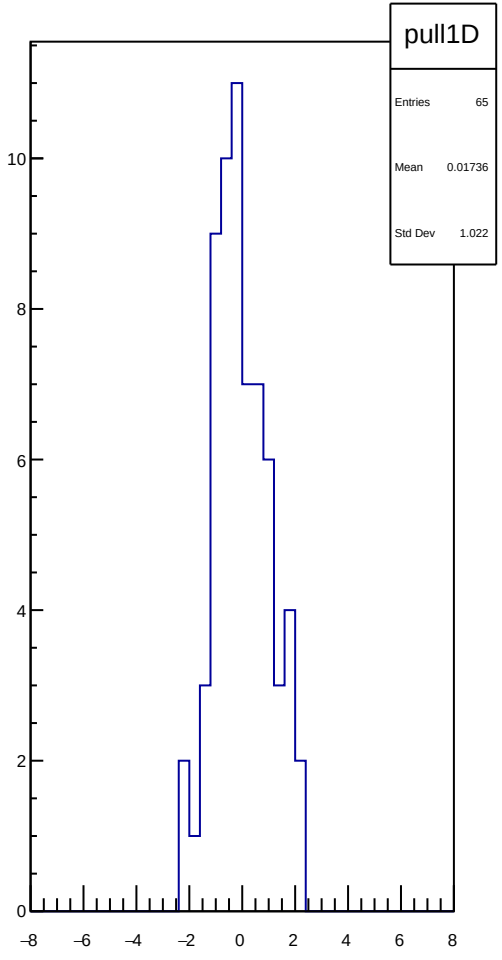

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 64
p0 456.4 ± 0.415
5000
4000
3000
2000
1000

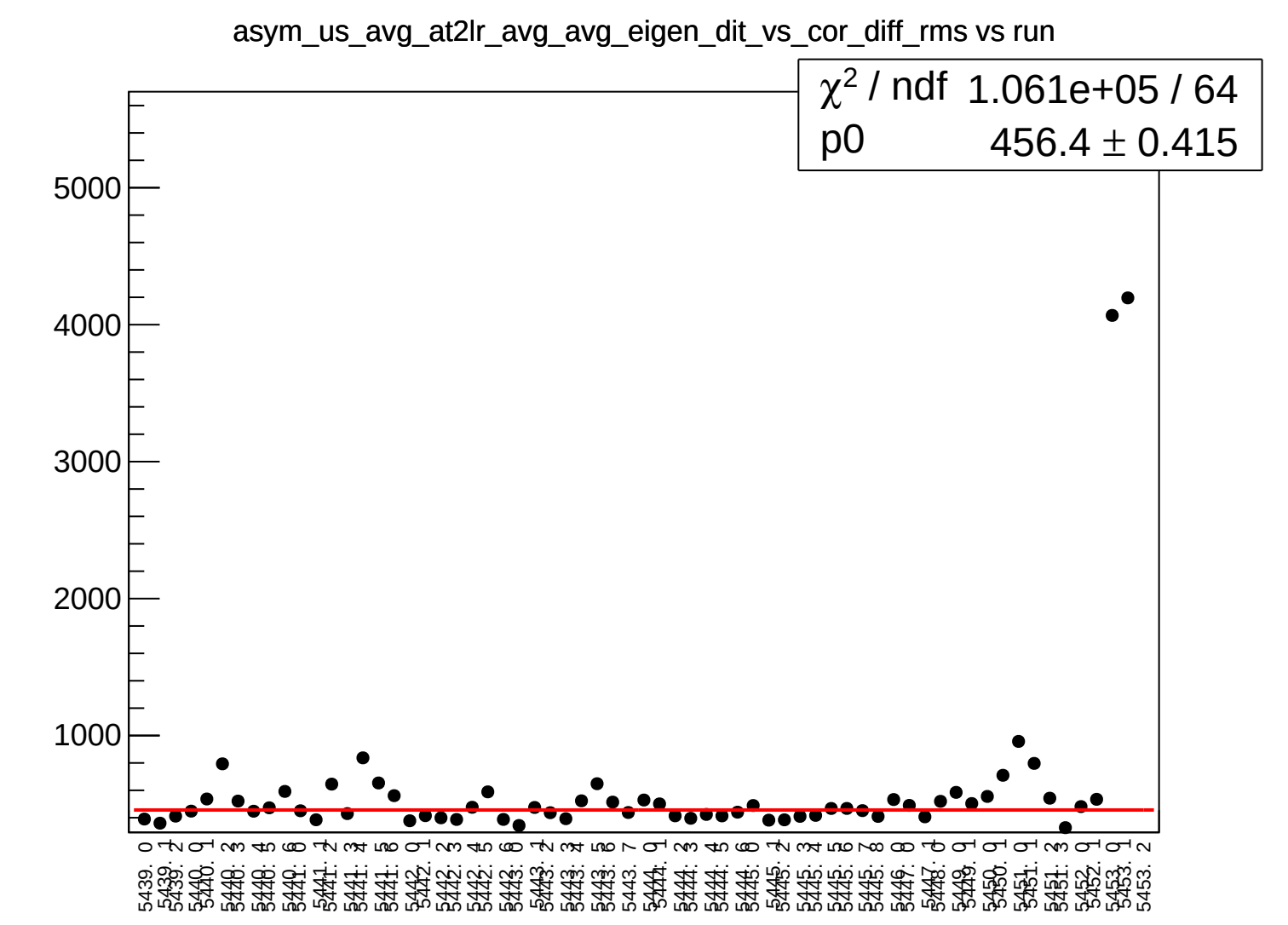

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 60.37 / 64
p0 −2.55e−05 ± 2.131e−05
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 65
Mean −6.064
Std Dev 0

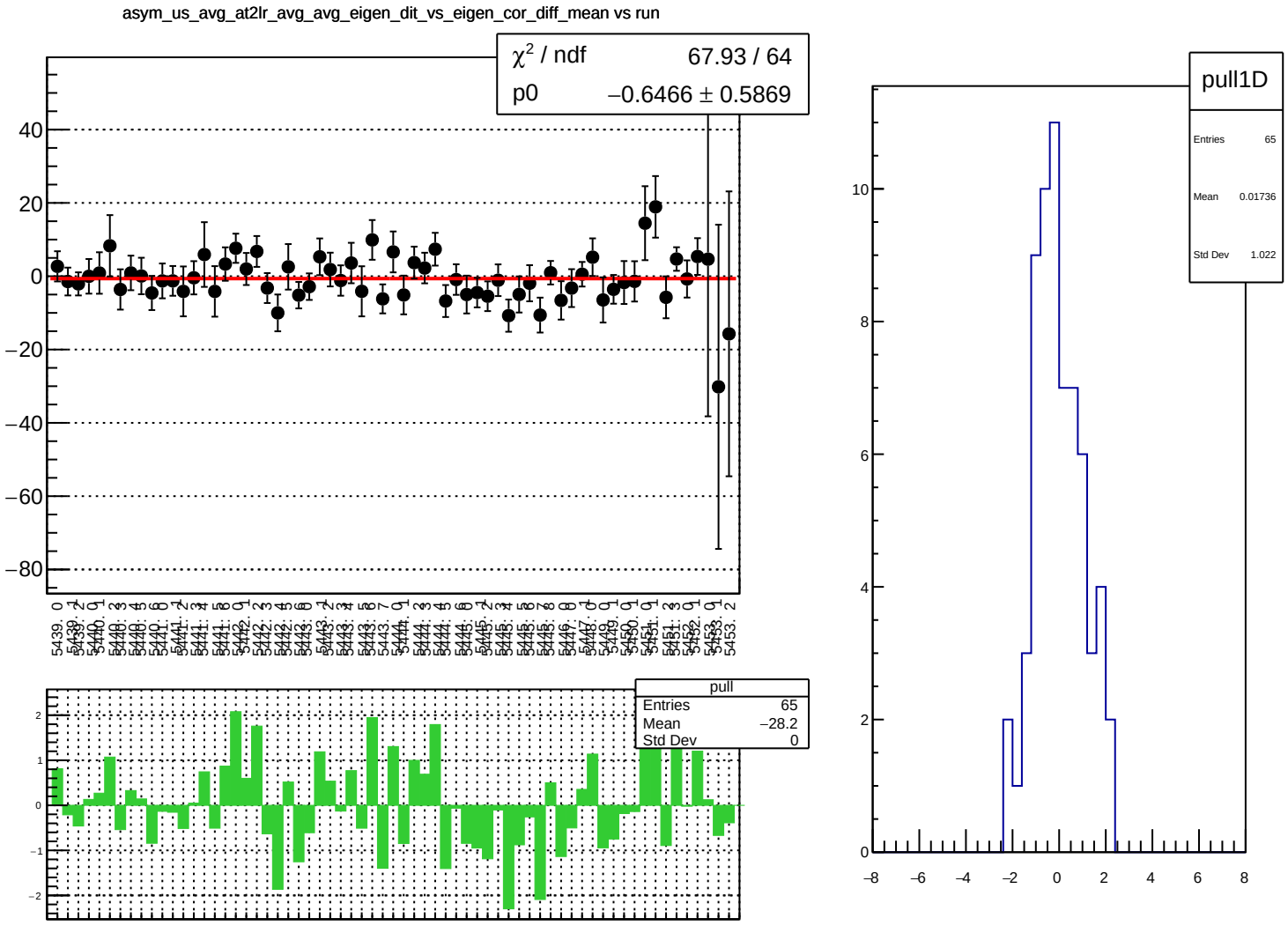

pull1D
Entries 65
Mean −0.07748
Std Dev 0.9606
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

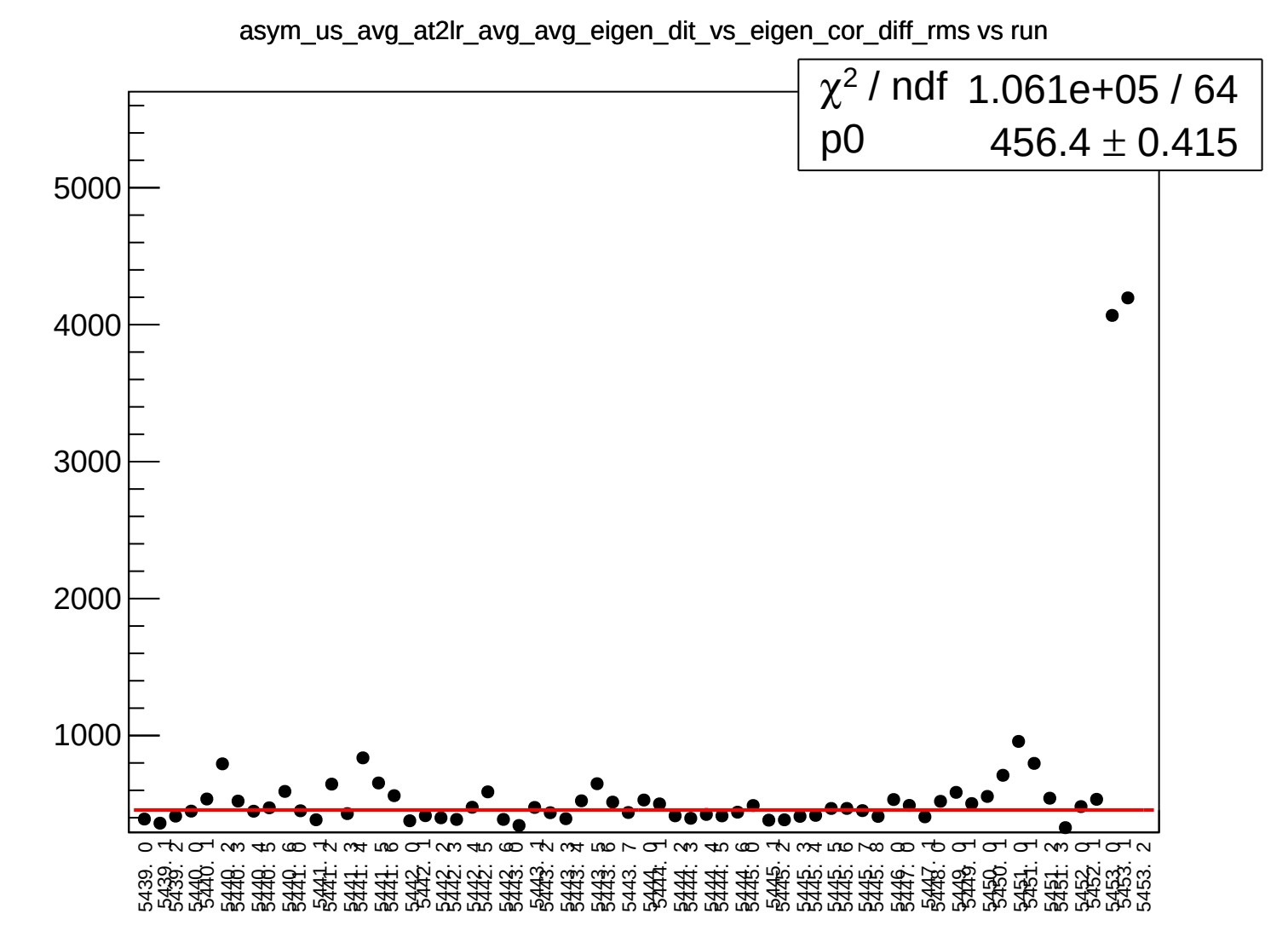

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.576e+05 / 64
p0 0.0155 ± 1.507e−05
0.025
0.02
0.015
0.01
0.005

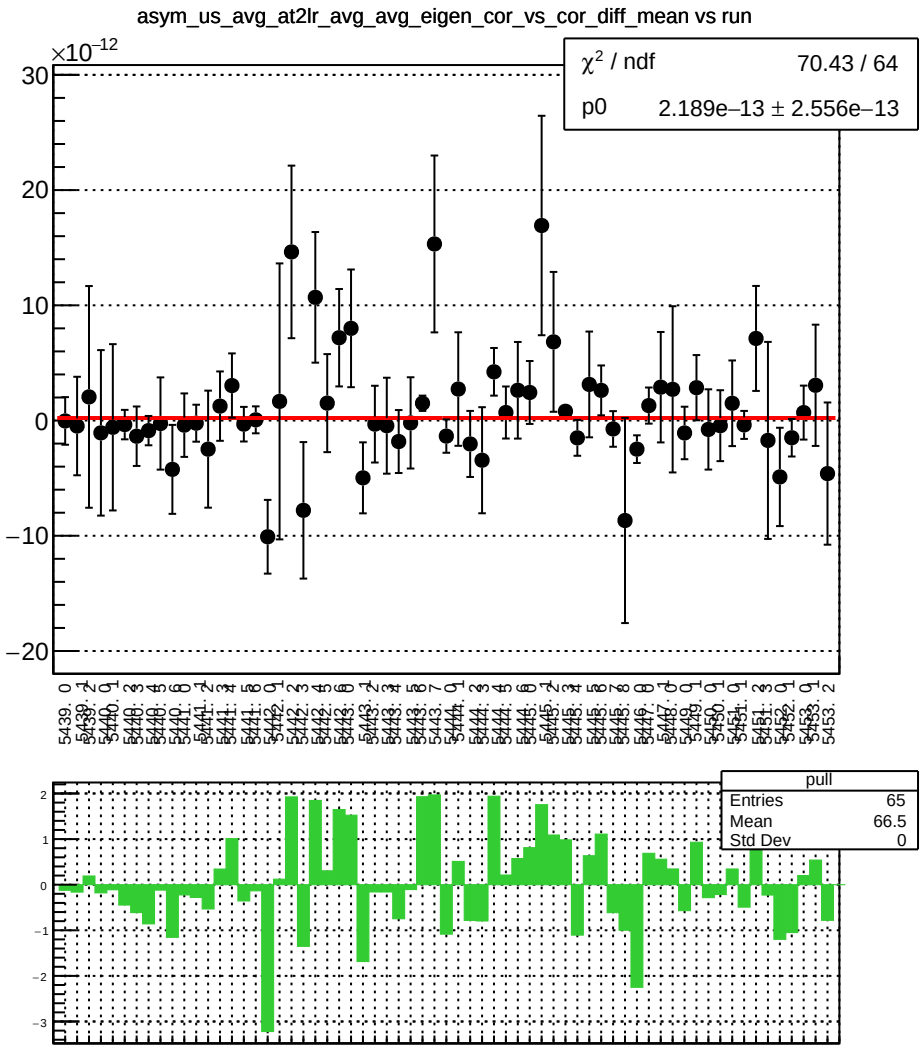

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.93 / 64
p0 −0.6466 ± 0.5869
pull
Entries 65
Mean −28.2
Std Dev 0

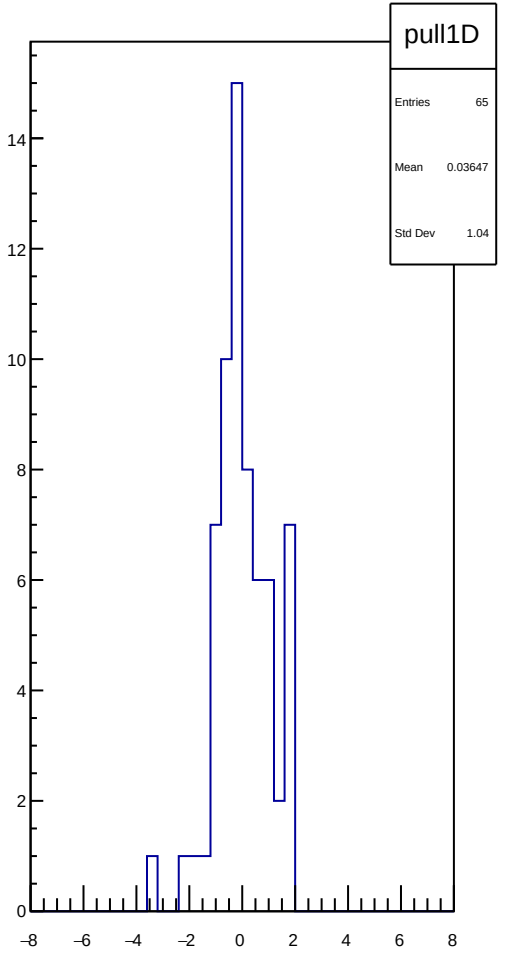

pull1D
Entries 65
Mean 0.01736
Std Dev 1.022

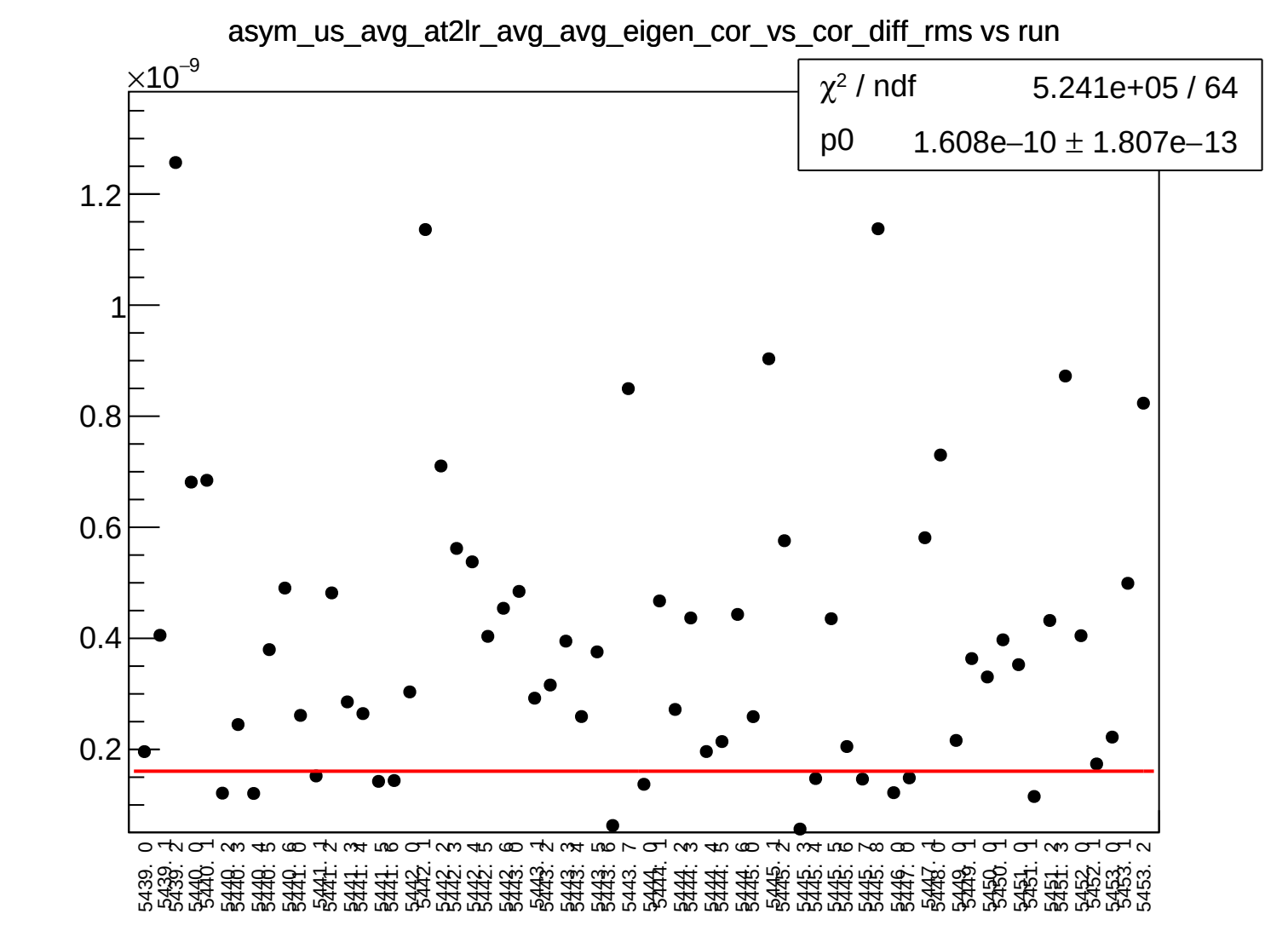

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 64
p0 456.4 ± 0.415
5000
4000
3000
2000
1000

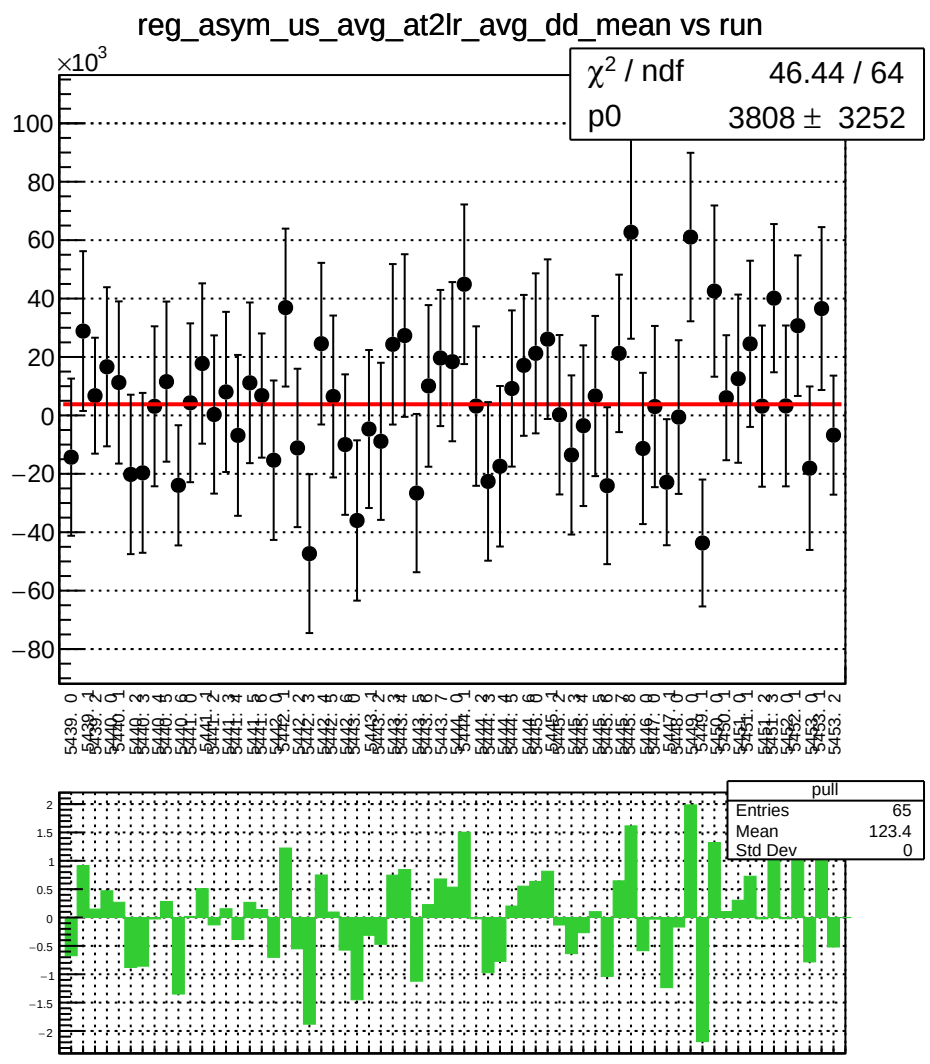

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.93 / 64
p0 −0.6466 ± 0.5869
pull
Entries 65
Mean −28.2
Std Dev 0
pull1D
Entries 65
Mean 0.01736
Std Dev 1.022

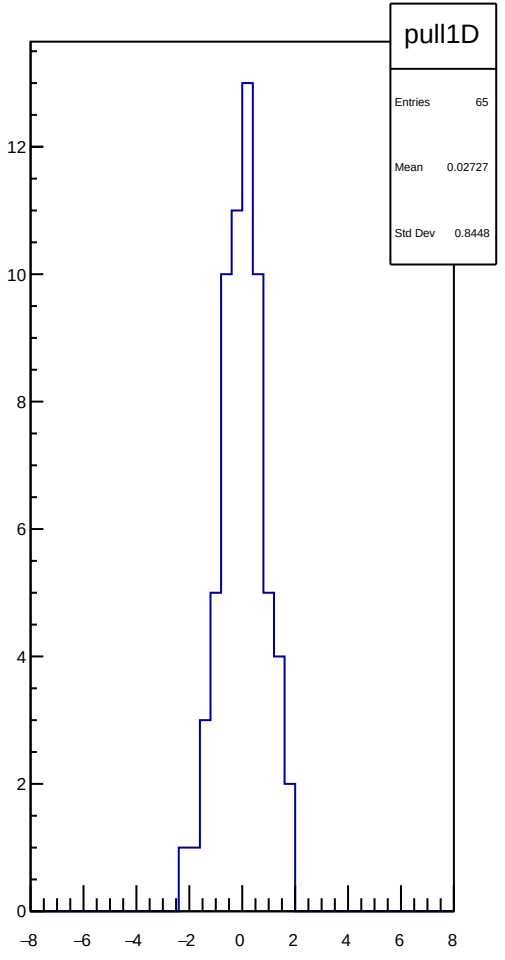

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 64
p0 456.4 ± 0.415
5000
4000
3000
2000
1000

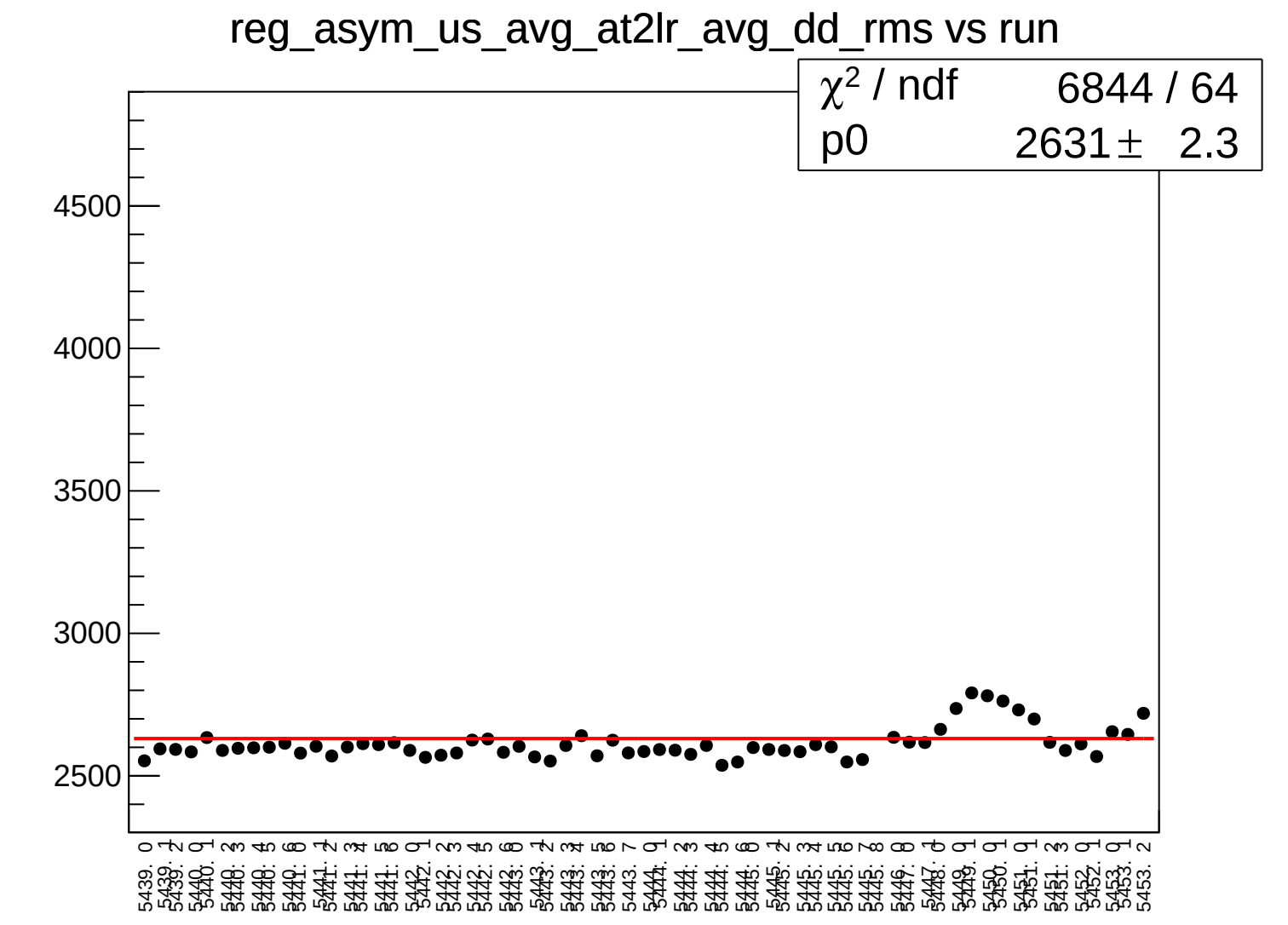

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.43 / 64
p0 2.189e−13 ± 2.556e−13
pull
Entries 65
Mean 66.5
Std Dev 0

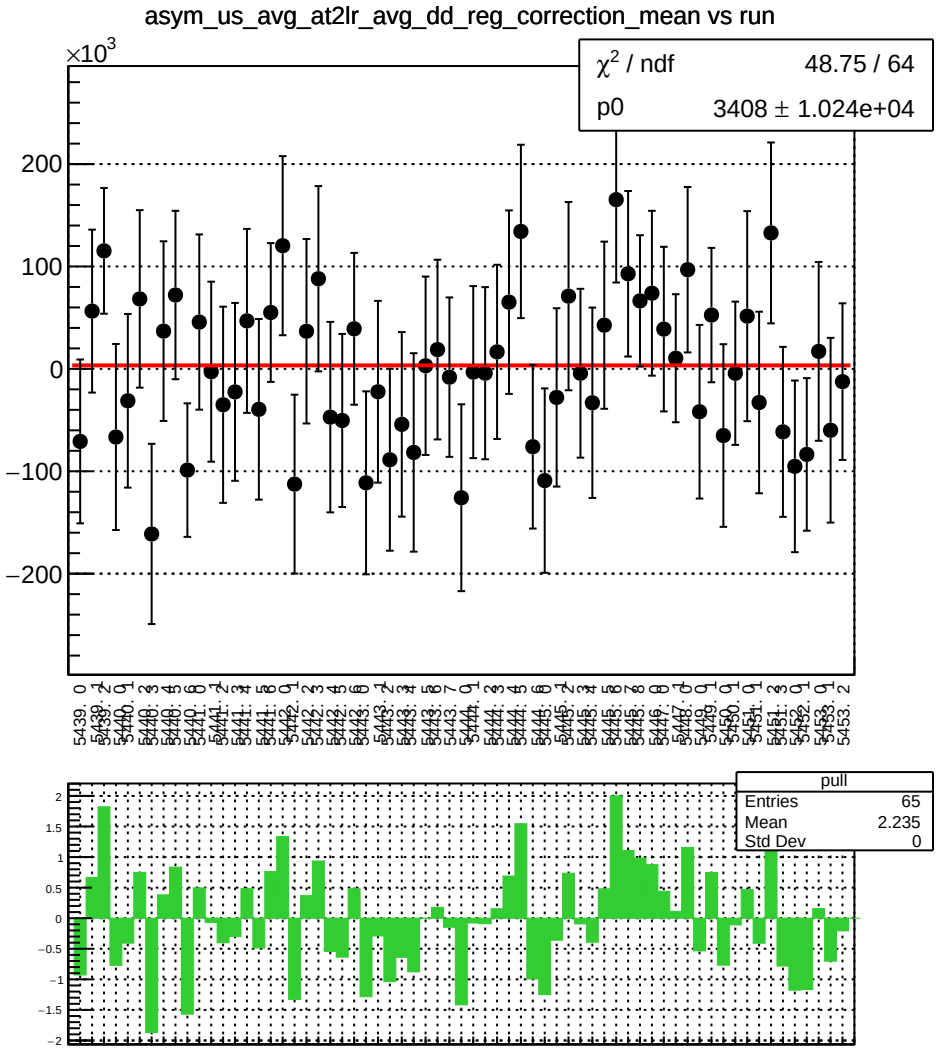

pull1D
Entries 65
Mean 0.03647
Std Dev 1.04

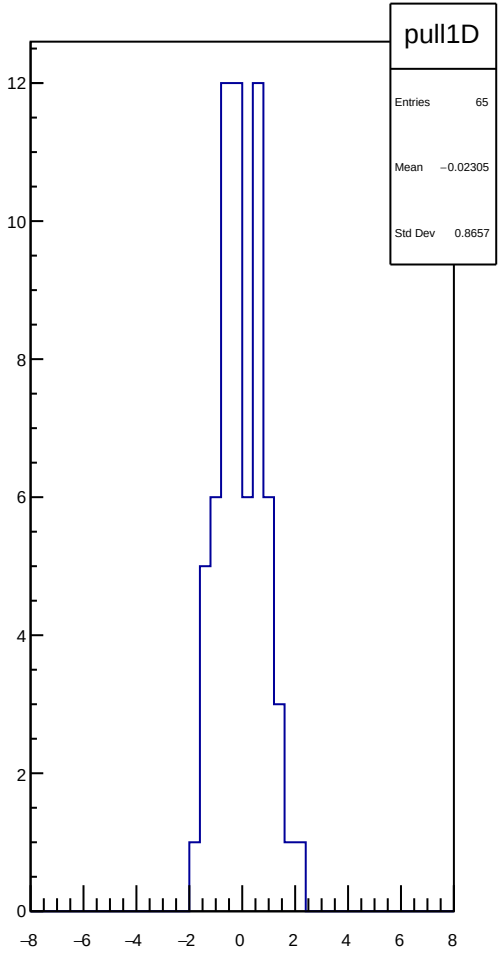

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.241e+05 / 64
p0 1.608e−10 ± 1.807e−13
1.2
1
0.8
0.6
0.4
0.2

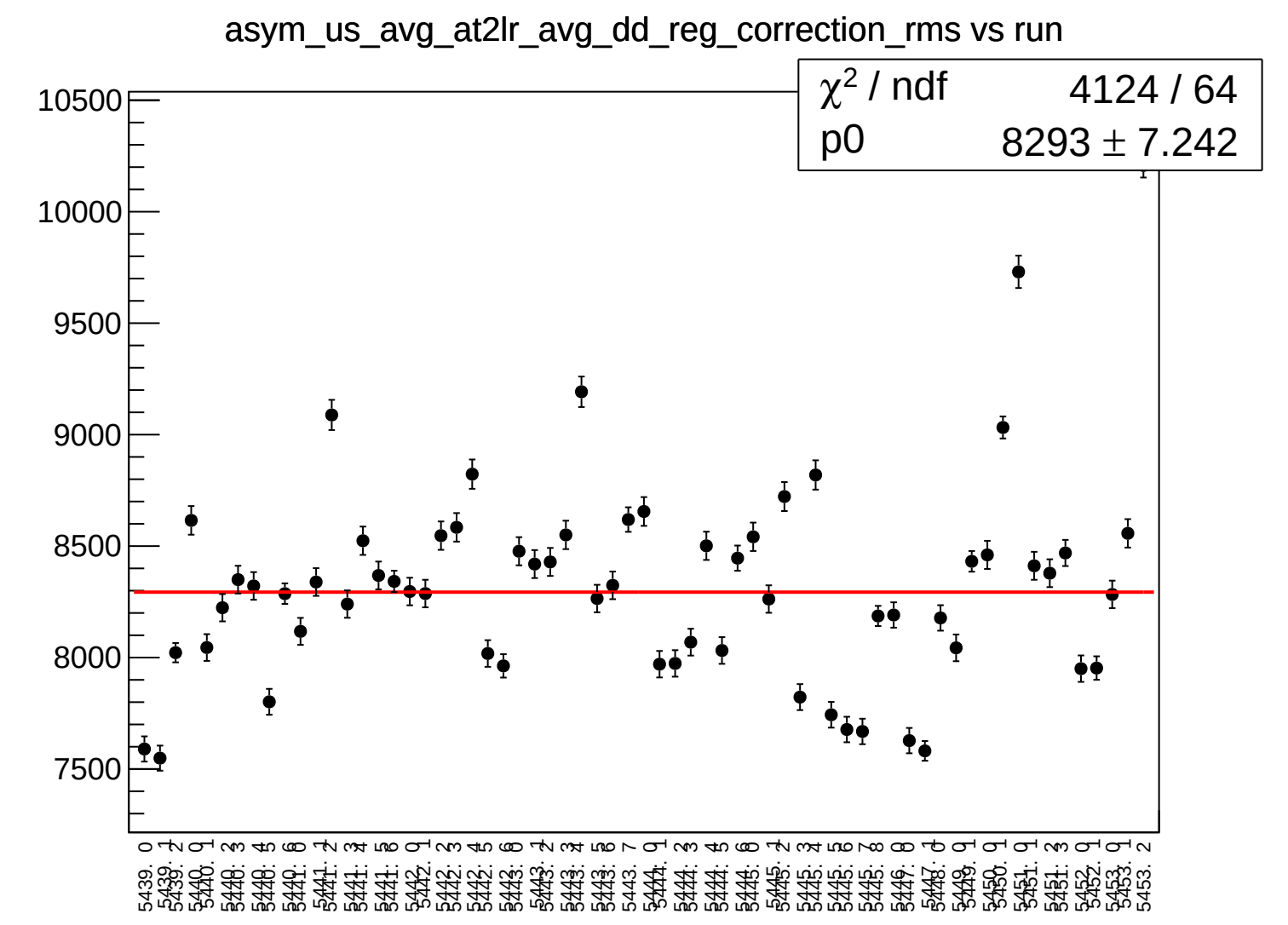

reg_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 46.44 / 64
p0 3808 ± 3252
pull
Entries 65
Mean 123.4
Std Dev 0

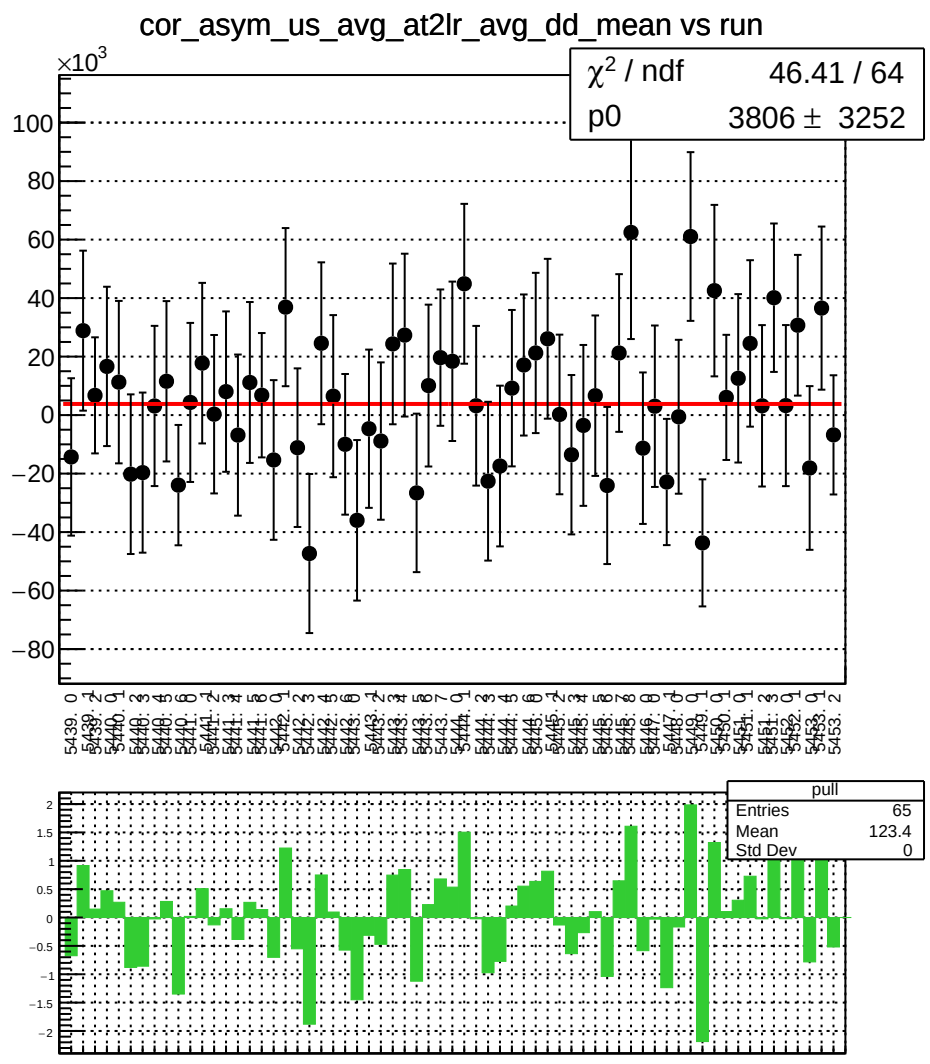

pull1D
Entries 65
Mean 0.02727
Std Dev 0.8448

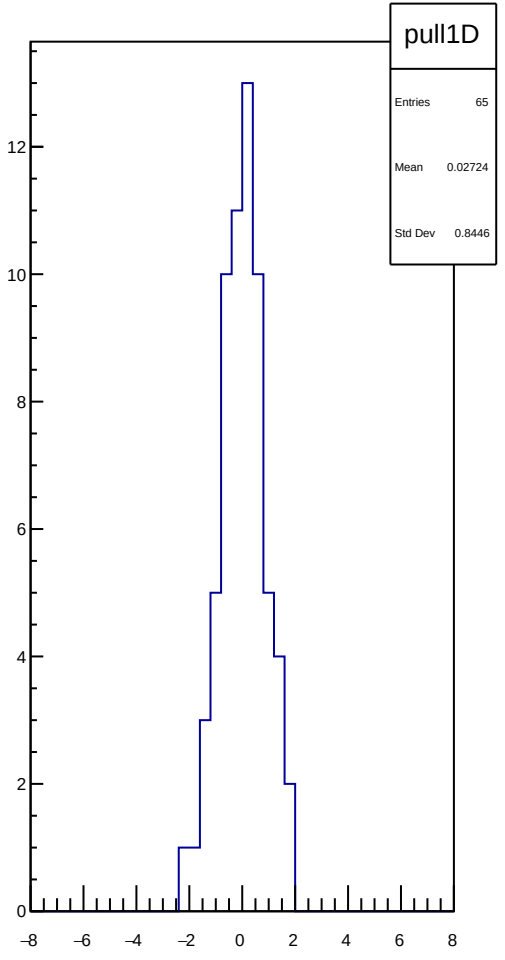

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 6844 / 64
p0 2631 ± 2.3
4500
4000
3500
3000
2500

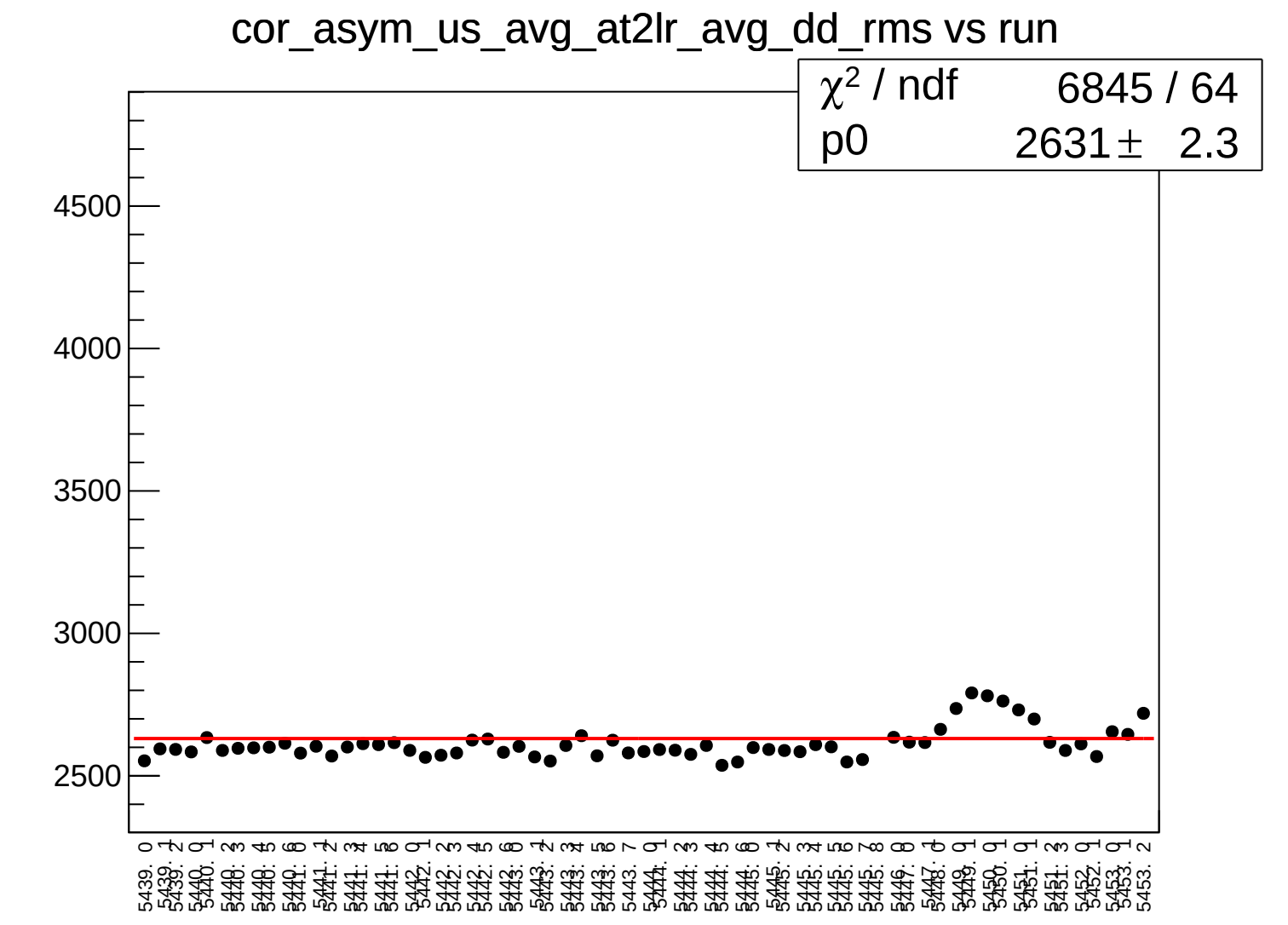

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 48.75 / 64
p0 3408 ± 1.024e+04
200
100
0
−100
−200
pull
Entries 65
Mean 2.235
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

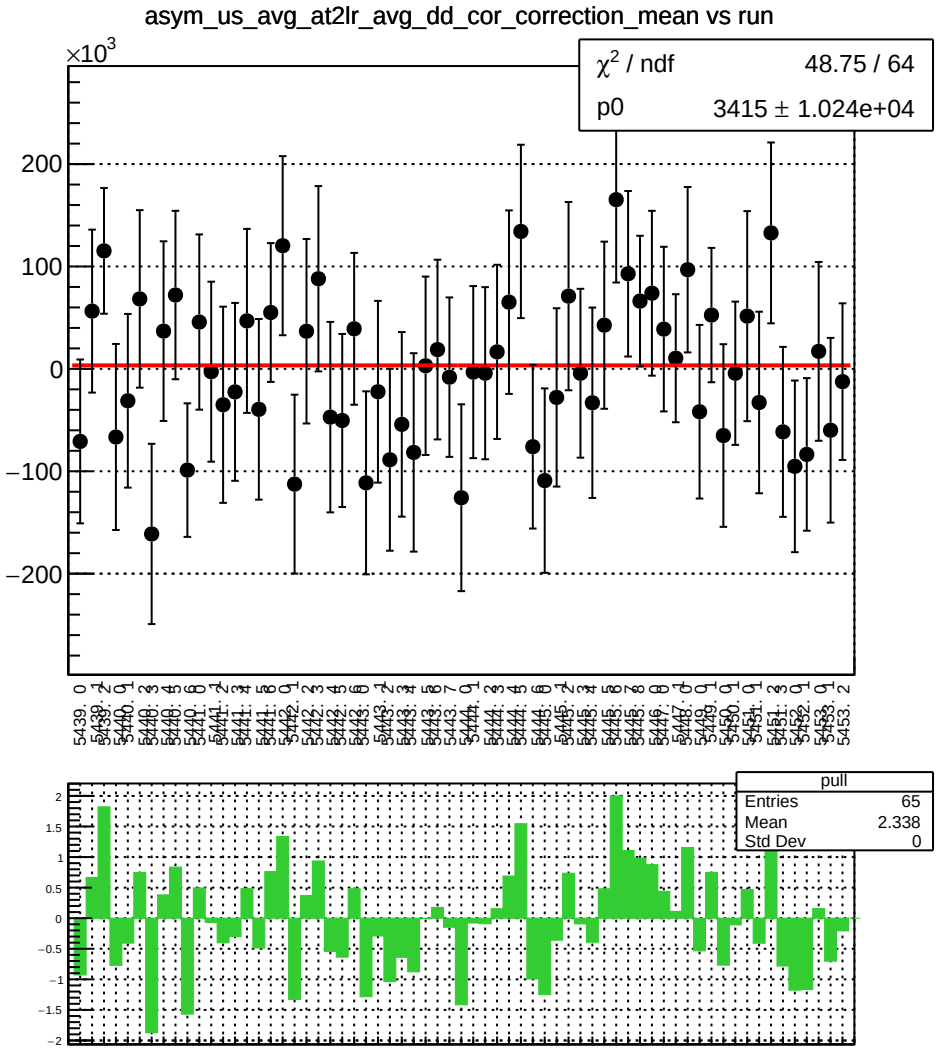

pull1D
Entries 65
Mean −0.02305
Std Dev 0.8657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

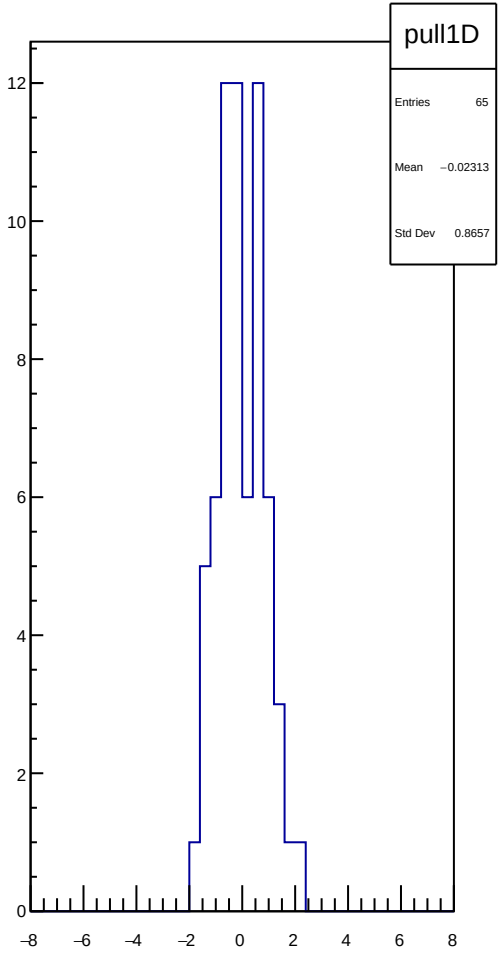

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 4124 / 64
p0 8293 ± 7.242
10500
10000
9500
9000
8500
8000
7500

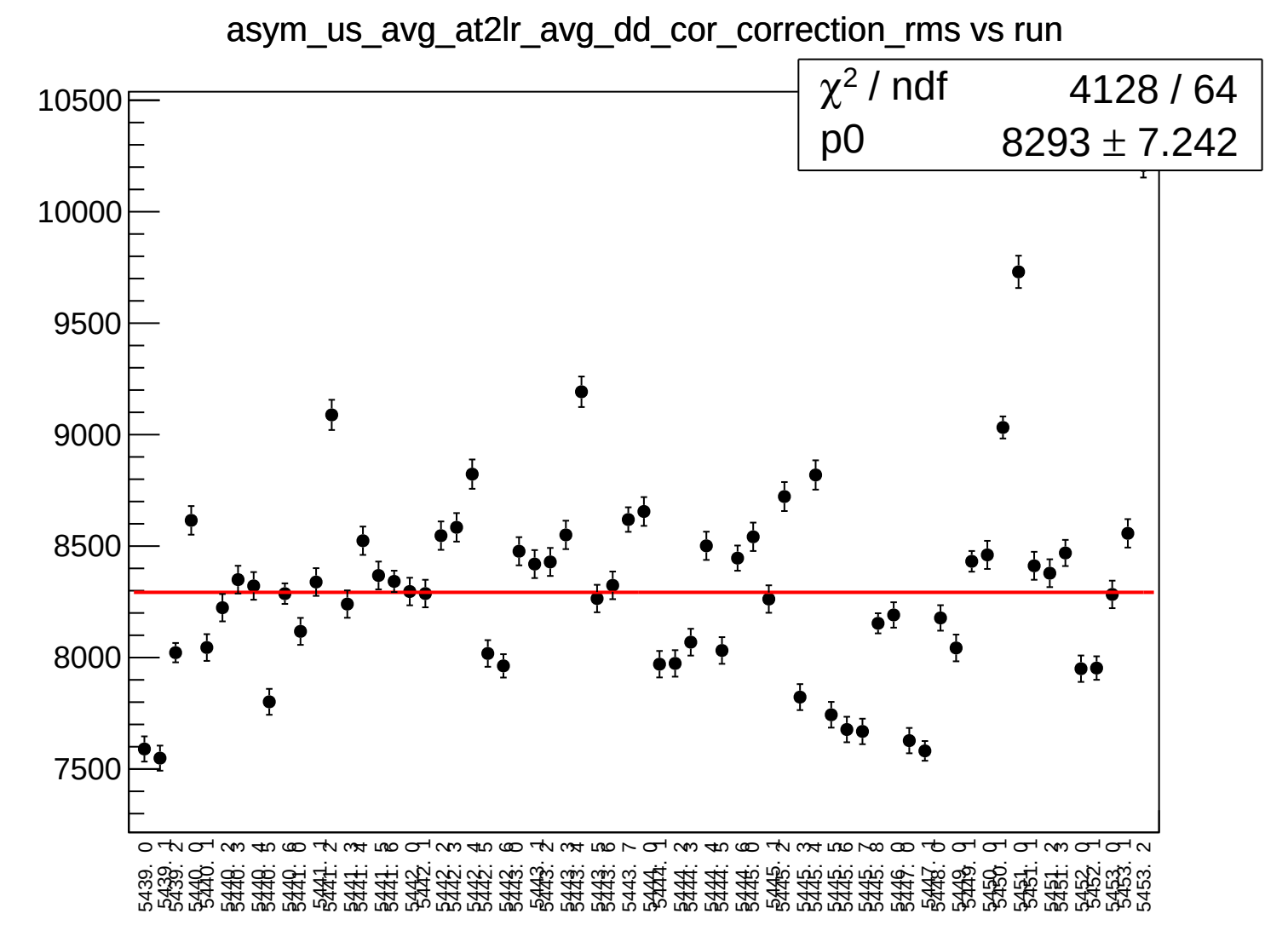

cor_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 46.41 / 64
p0 3806 ± 3252
pull
Entries 65
Mean 123.4
Std Dev 0

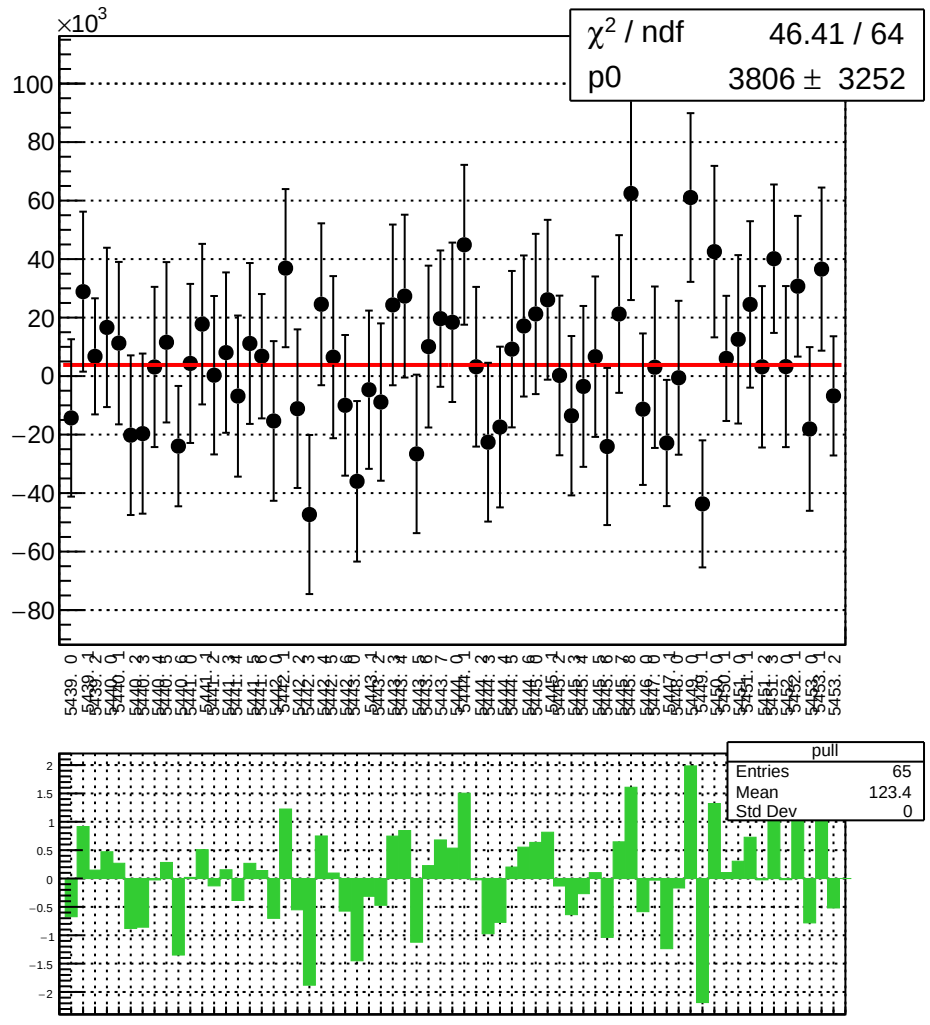

pull1D
Entries 65
Mean 0.02724
Std Dev 0.8446

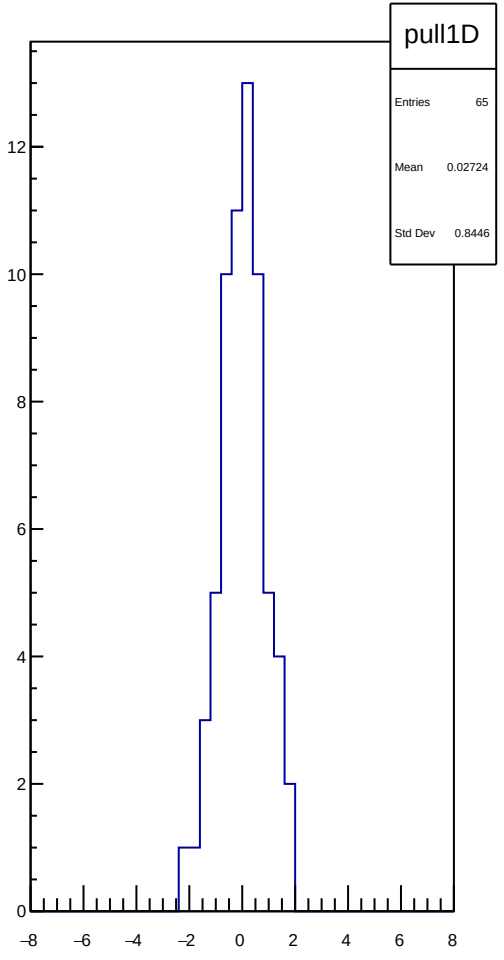

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 6845 / 64
p0 2631 ± 2.3
4500
4000
3500
3000
2500

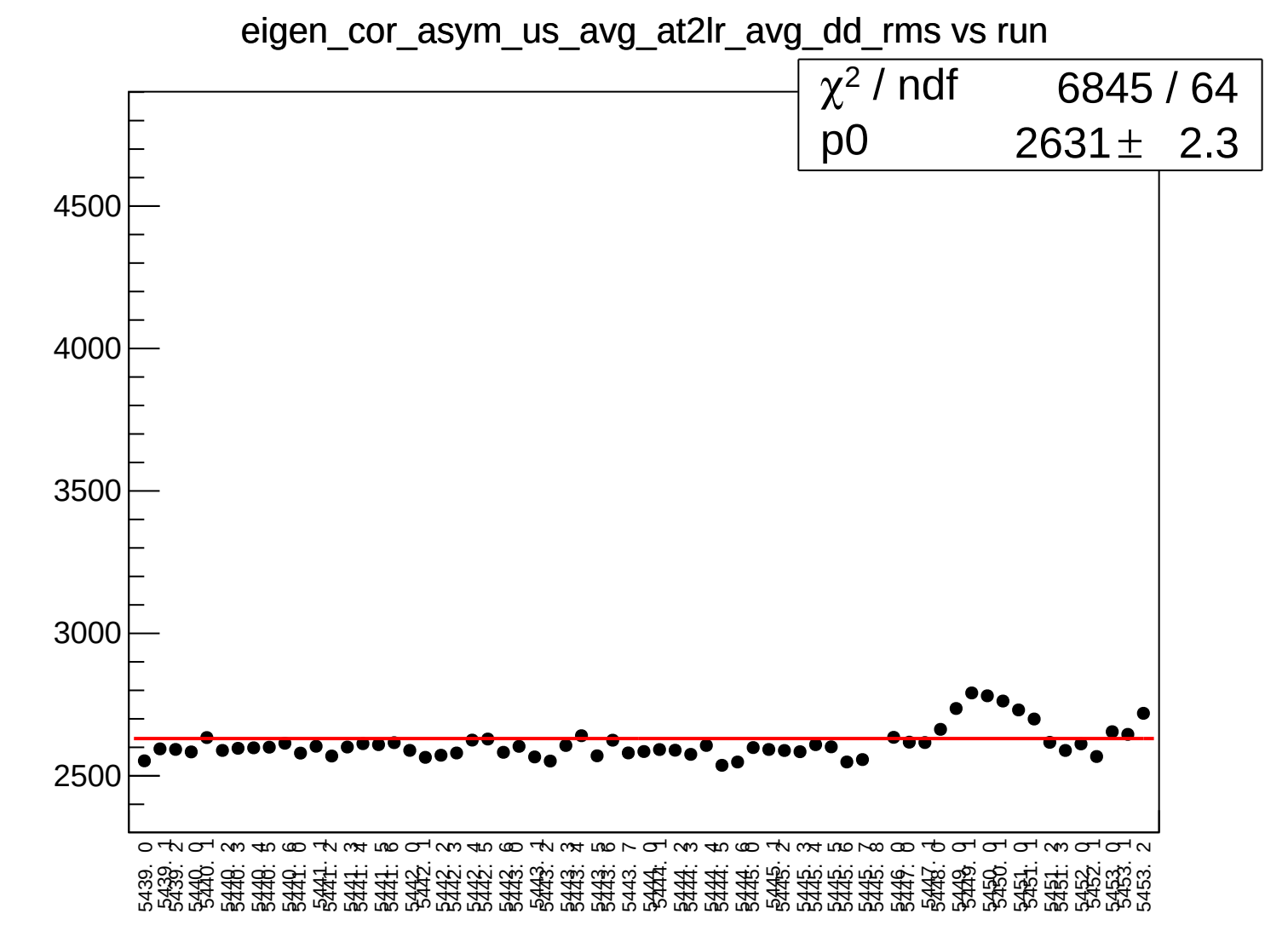

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 48.75 / 64
p0 3415 ± 1.024e+04
200
100
0
−100
−200
pull
Entries 65
Mean 2.338
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

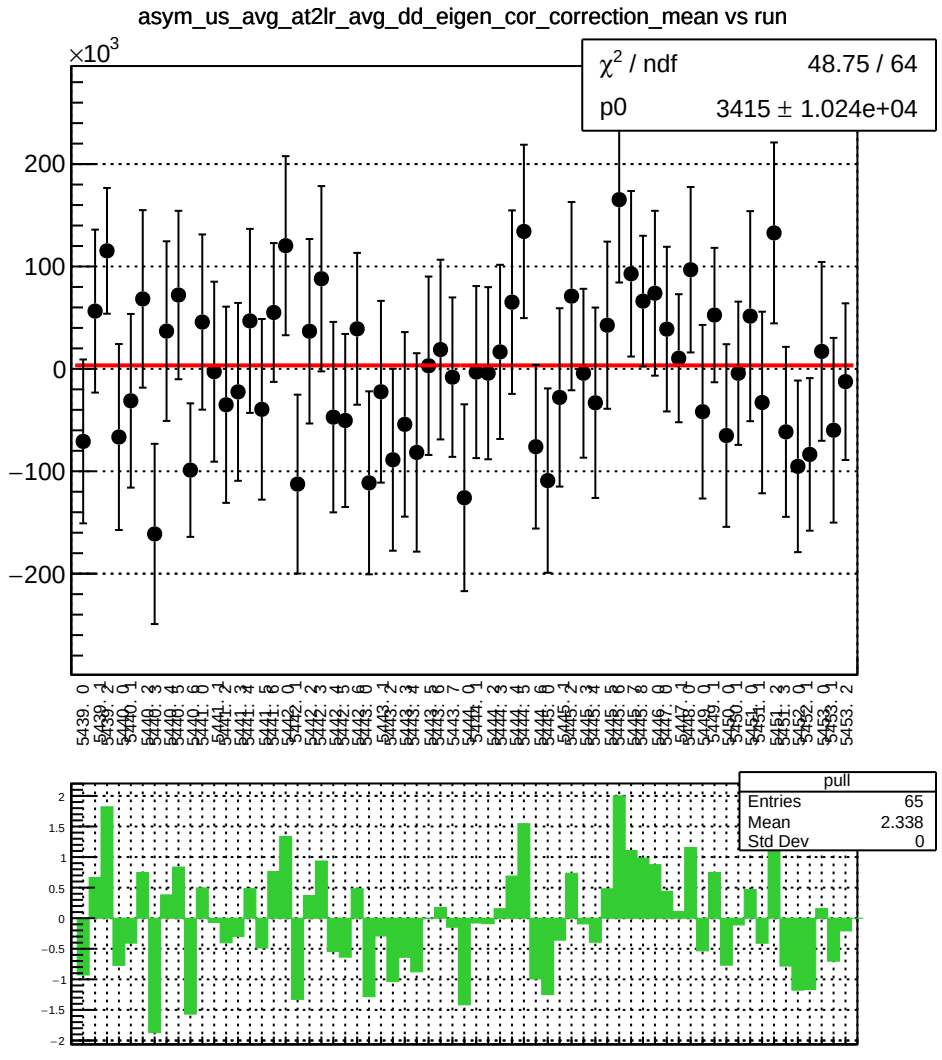

pull1D
Entries 65
Mean −0.02313
Std Dev 0.8657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

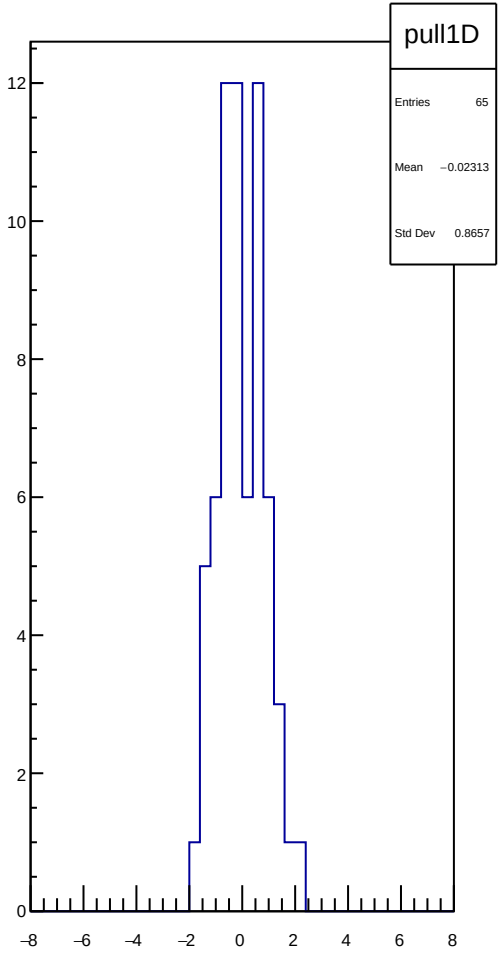

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 4128 / 64
p0 8293 ± 7.242
10500
10000
9500
9000
8500
8000
7500

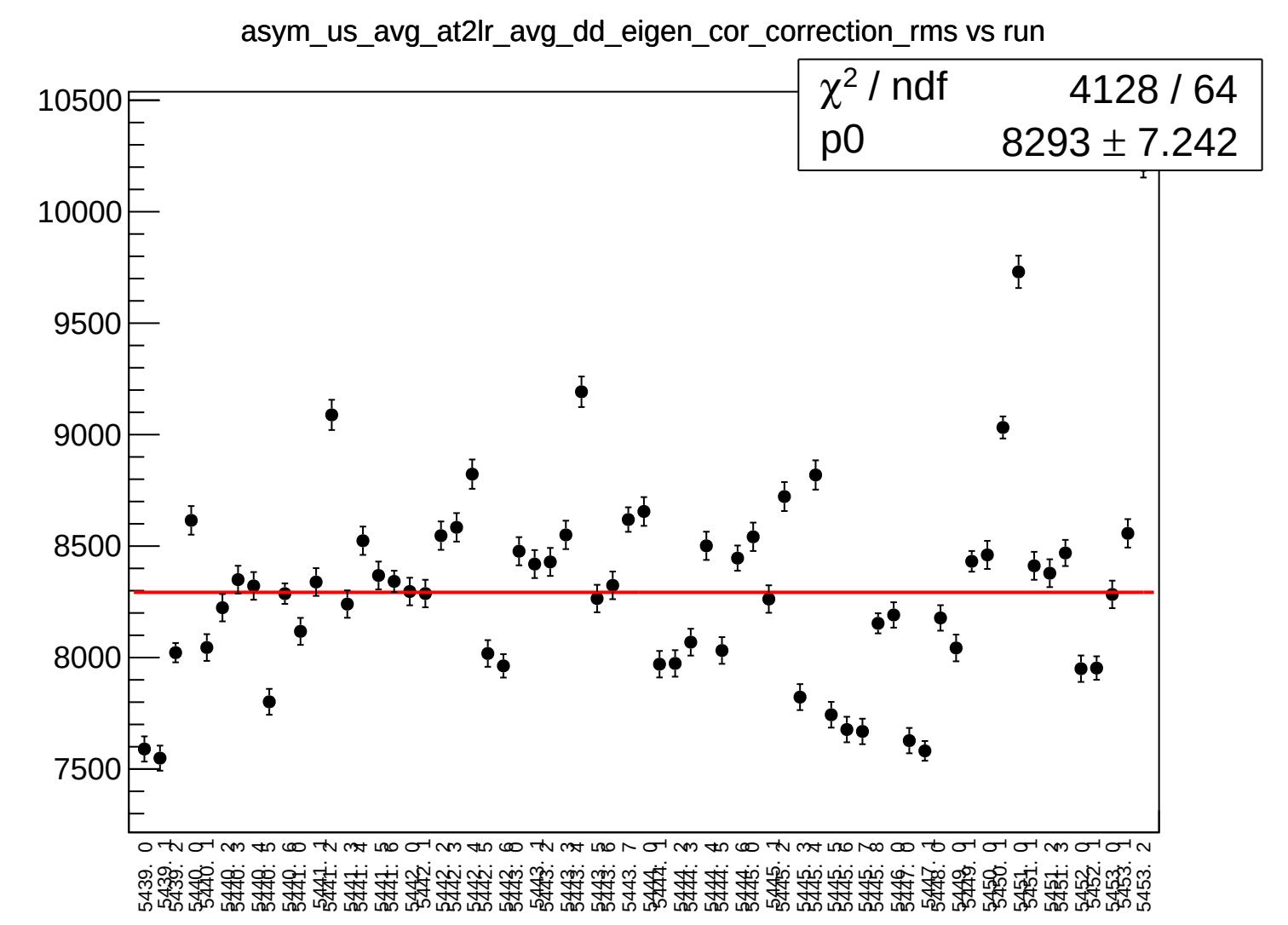

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 46.41 / 64
p0 3806 ± 3252
pull
Entries 65
Mean 123.4
Std Dev 0

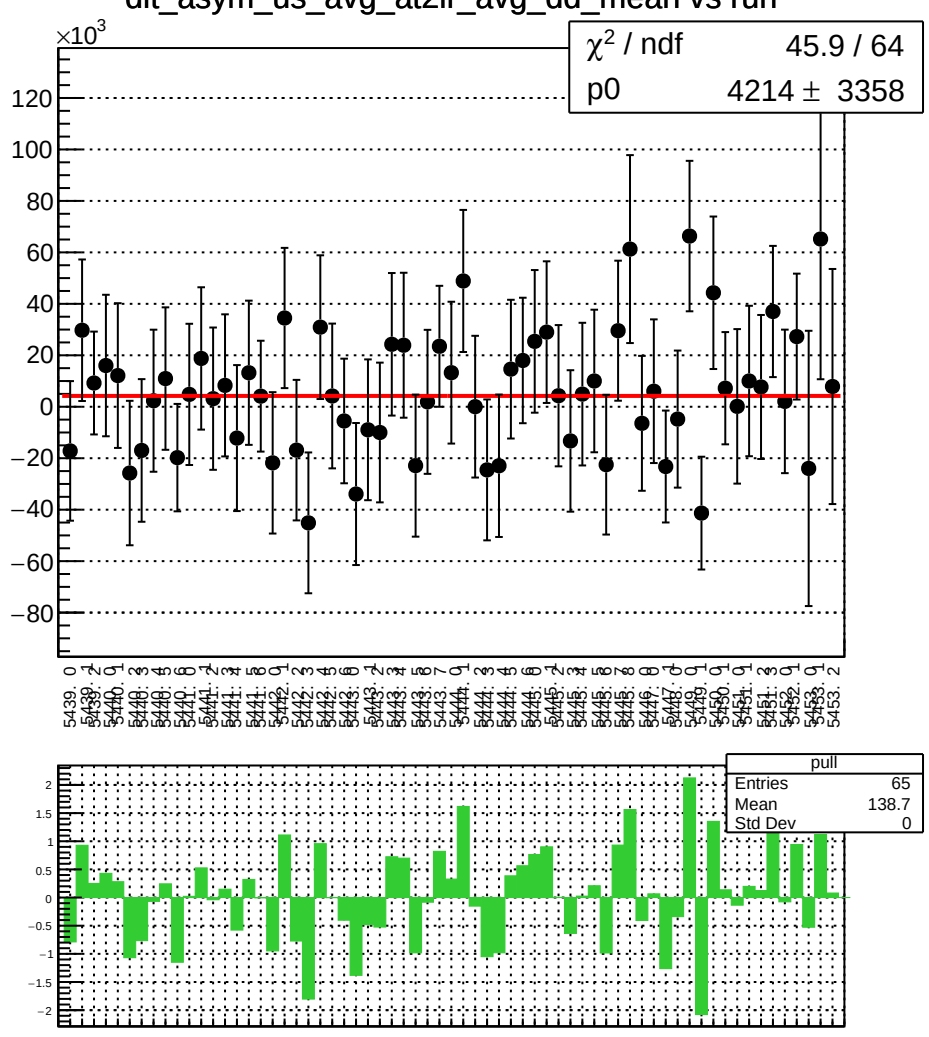

pull1D
Entries 65
Mean 0.02724
Std Dev 0.8446

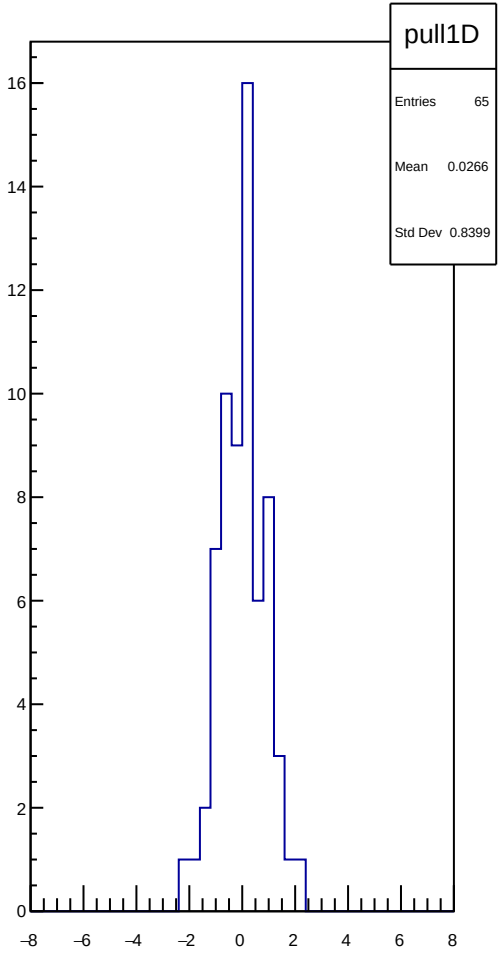

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 6845 / 64
p0 2631 ± 2.3
4500
4000
3500
3000
2500

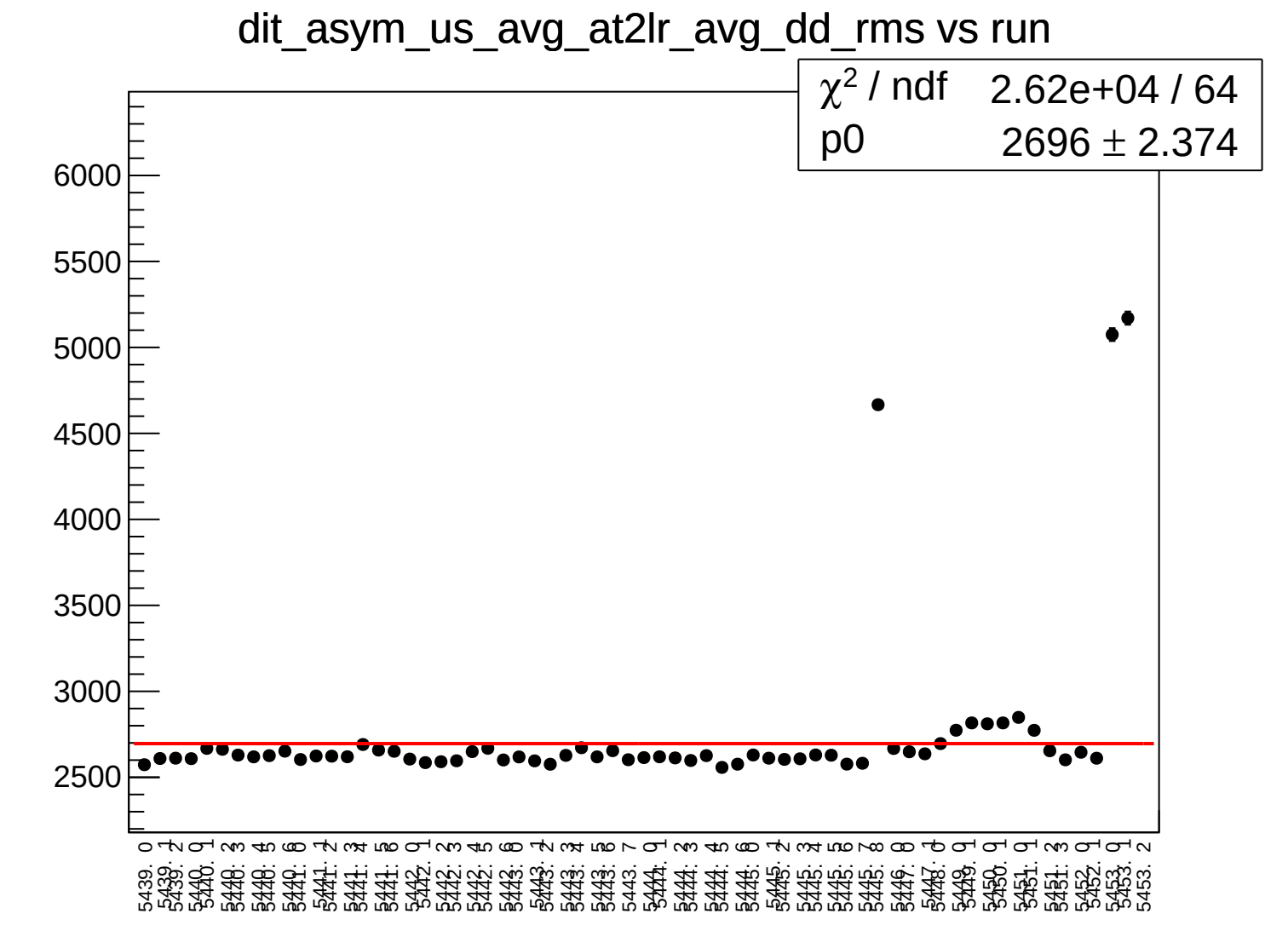

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.75 / 64
p0 3415 ± 1.024e+04
200
100
0
−100
−200
pull
Entries 65
Mean 2.338
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

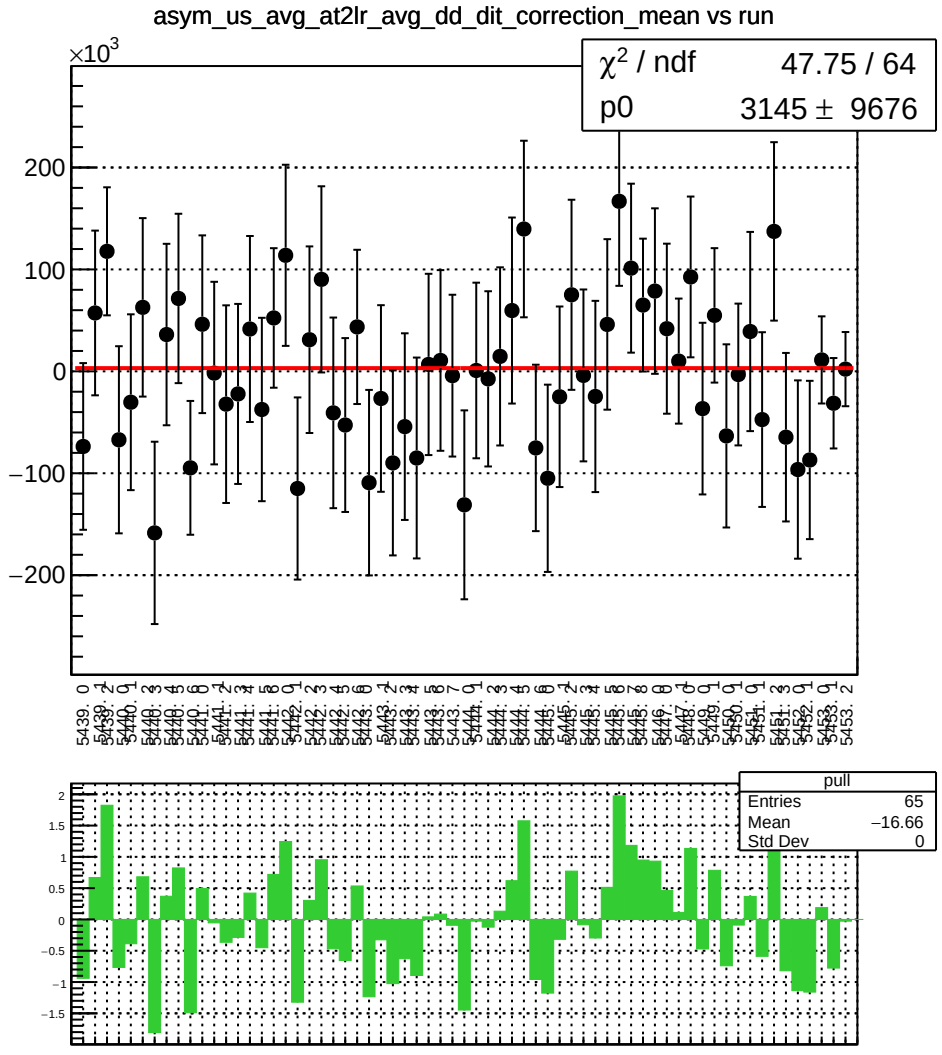

pull1D
Entries 65
Mean −0.02313
Std Dev 0.8657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

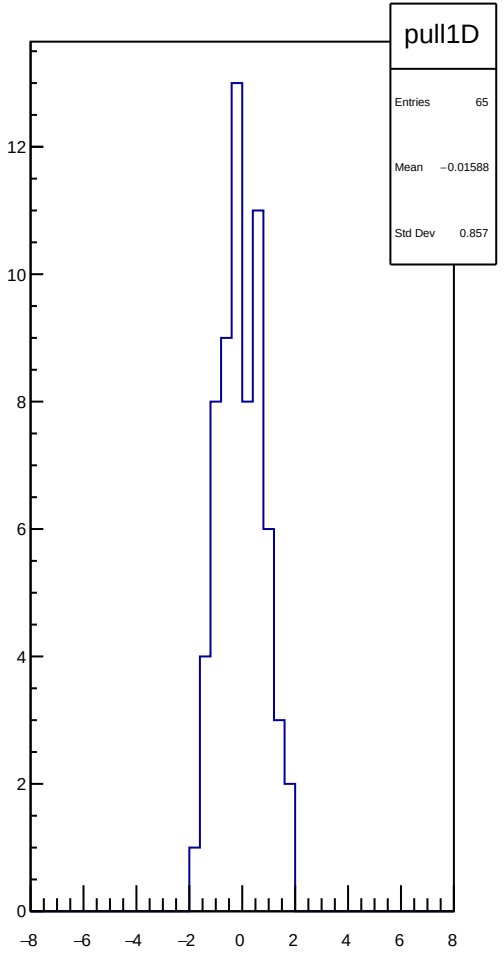

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4128 / 64
p0 8293 ± 7.242
10500
10000
9500
9000
8500
8000
7500

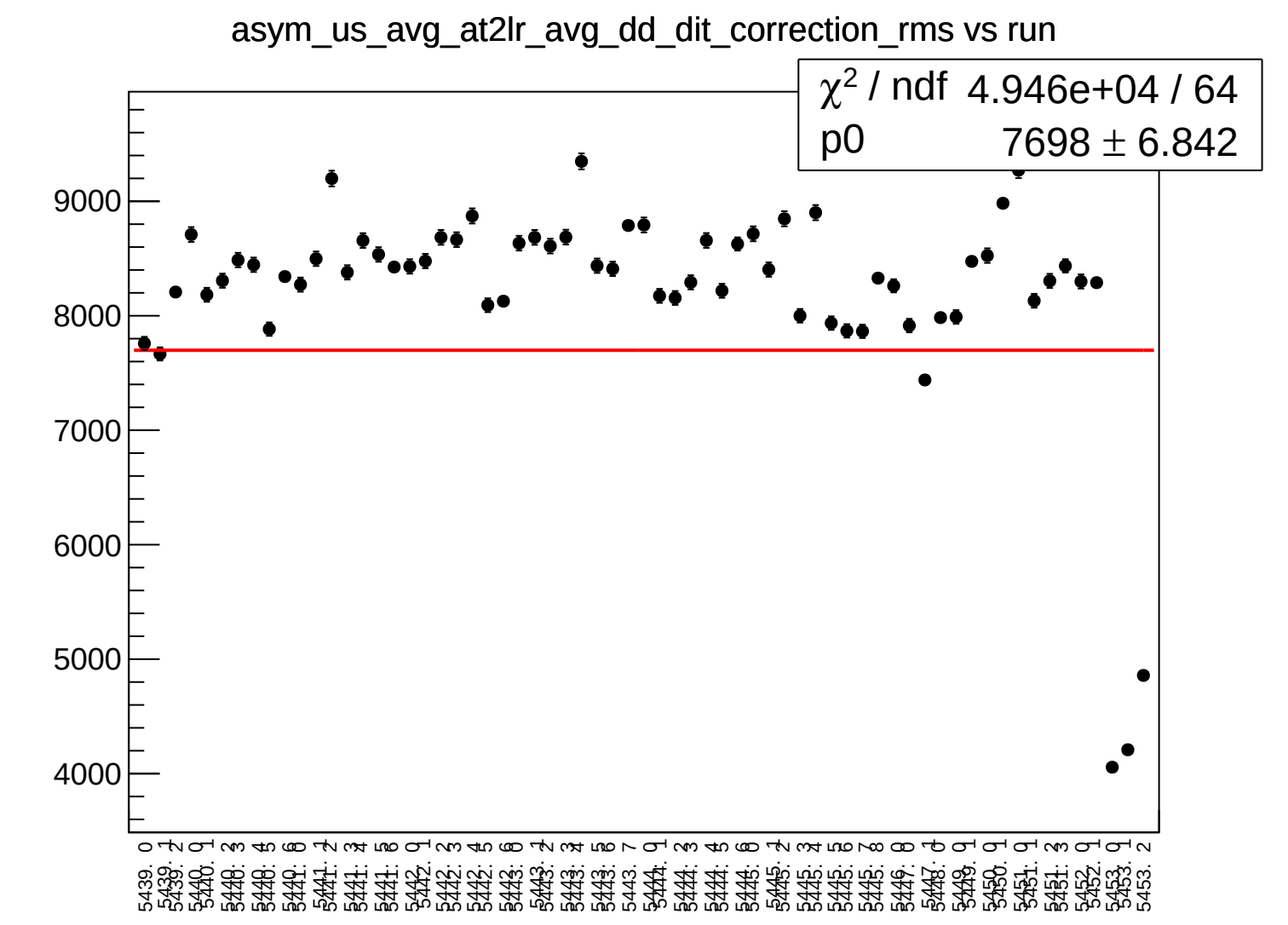

dit_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 45.9 / 64
p0 4214 ± 3358
pull
Entries 65
Mean 138.7
Std Dev 0

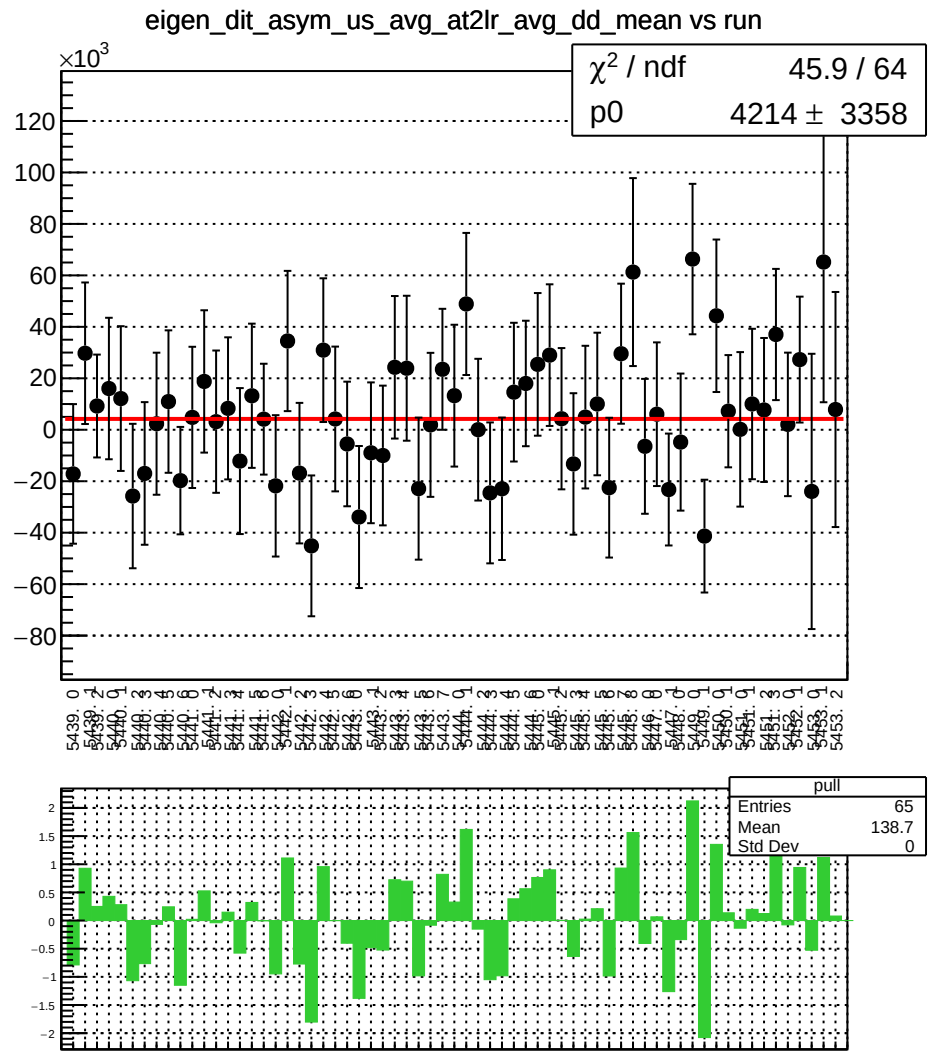

pull1D
Entries 65
Mean 0.0266
Std Dev 0.8399

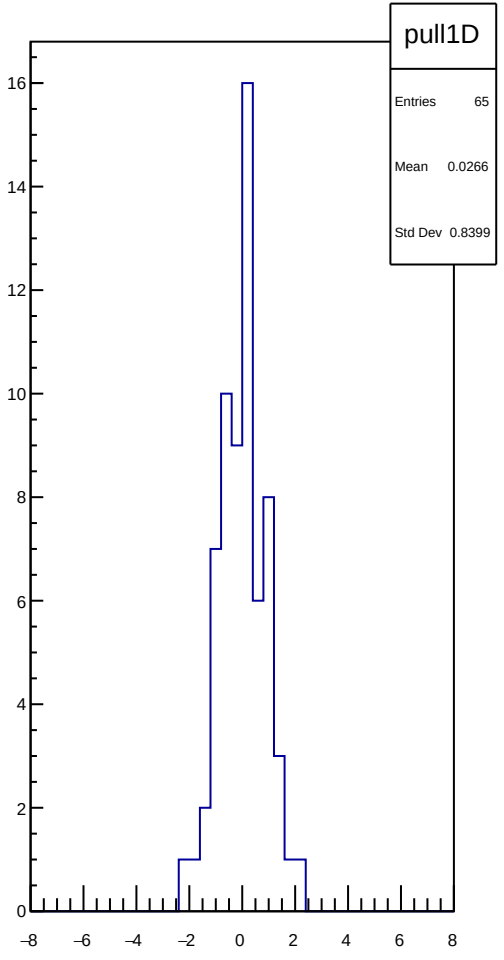

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.62e+04 / 64
p0 2696 ± 2.374
6000
5500
5000
4500
4000
3500
3000
2500

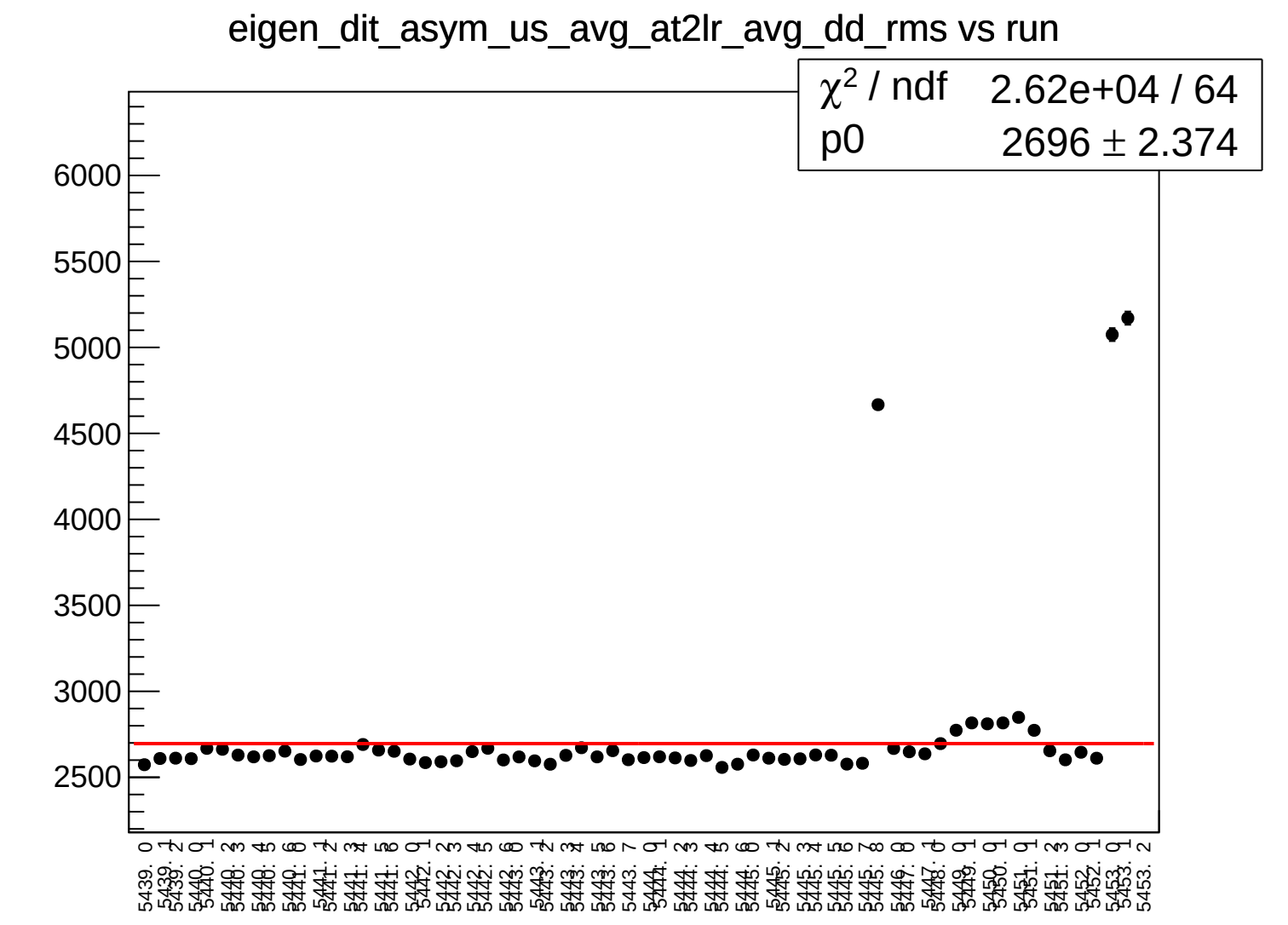

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 47.75 / 64
p0 3145 ± 9676
200
100
0
−100
−200
pull
Entries 65
Mean −16.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

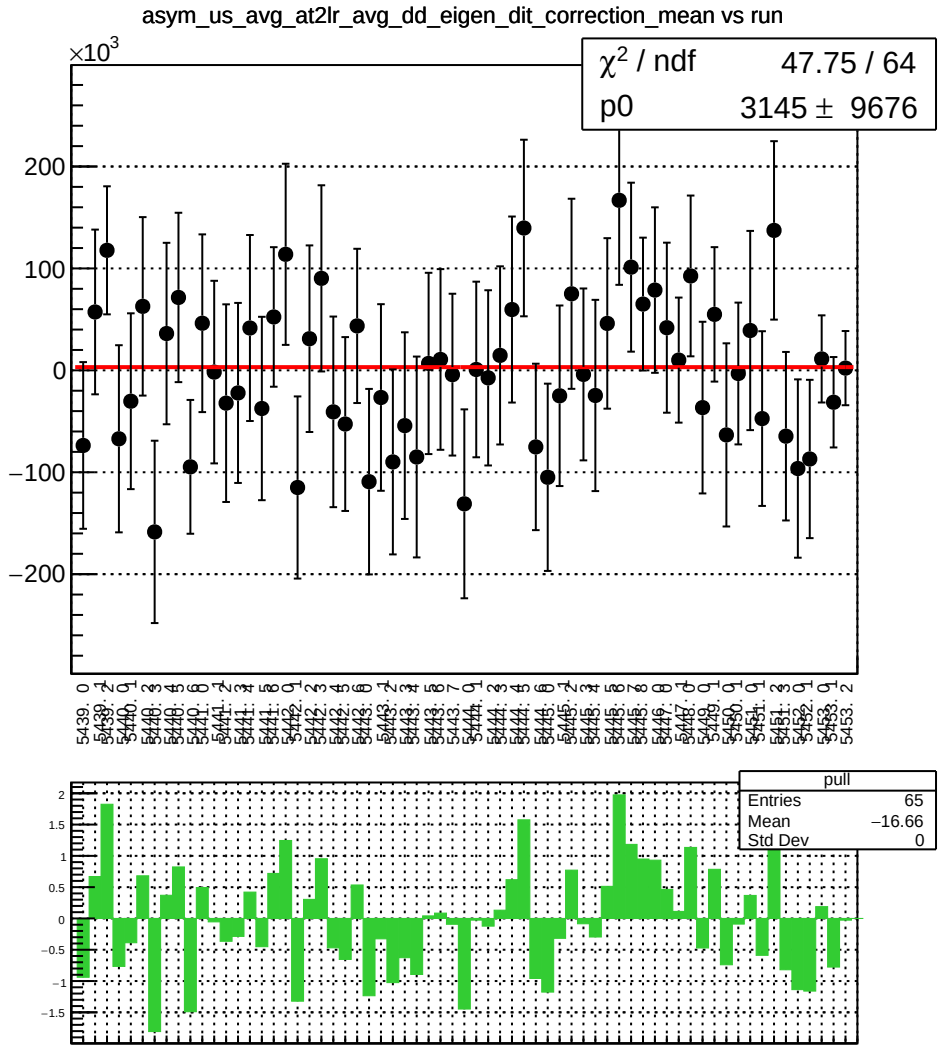

pull1D
Entries 65
Mean −0.01588
Std Dev 0.857
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

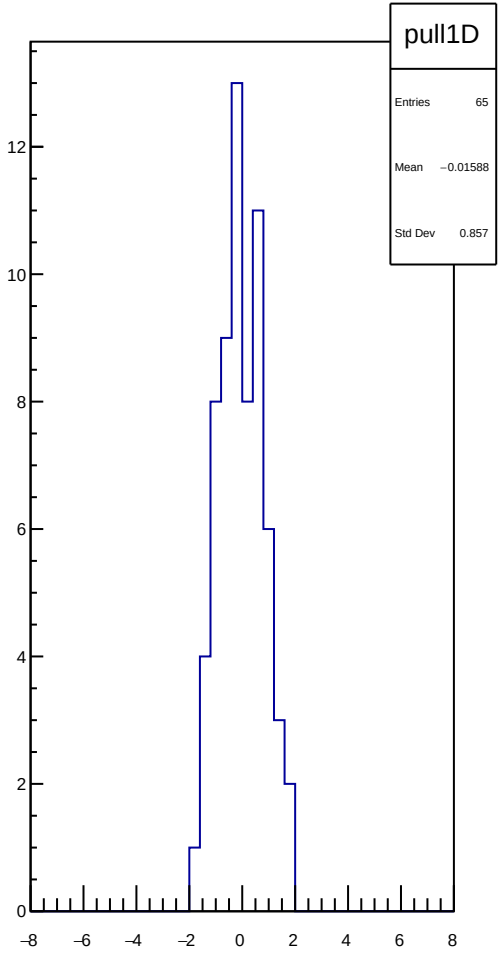

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ^2 / ndf 4.946e+04 / 64
p0 7698 ± 6.842
9000
8000
7000
6000
5000
4000

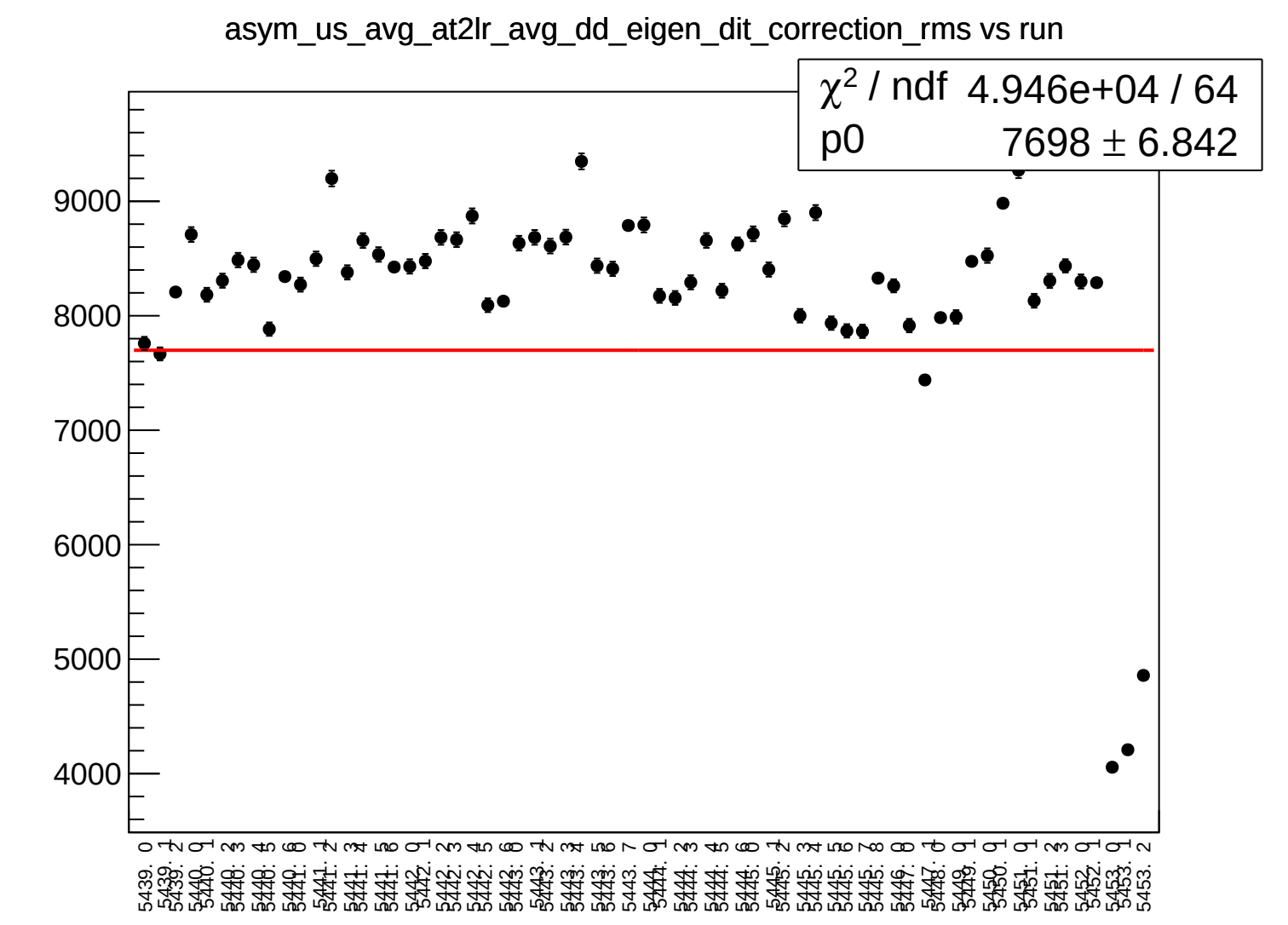

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 45.9 / 64
p0 4214 ± 3358
pull
Entries 65
Mean 138.7
Std Dev 0

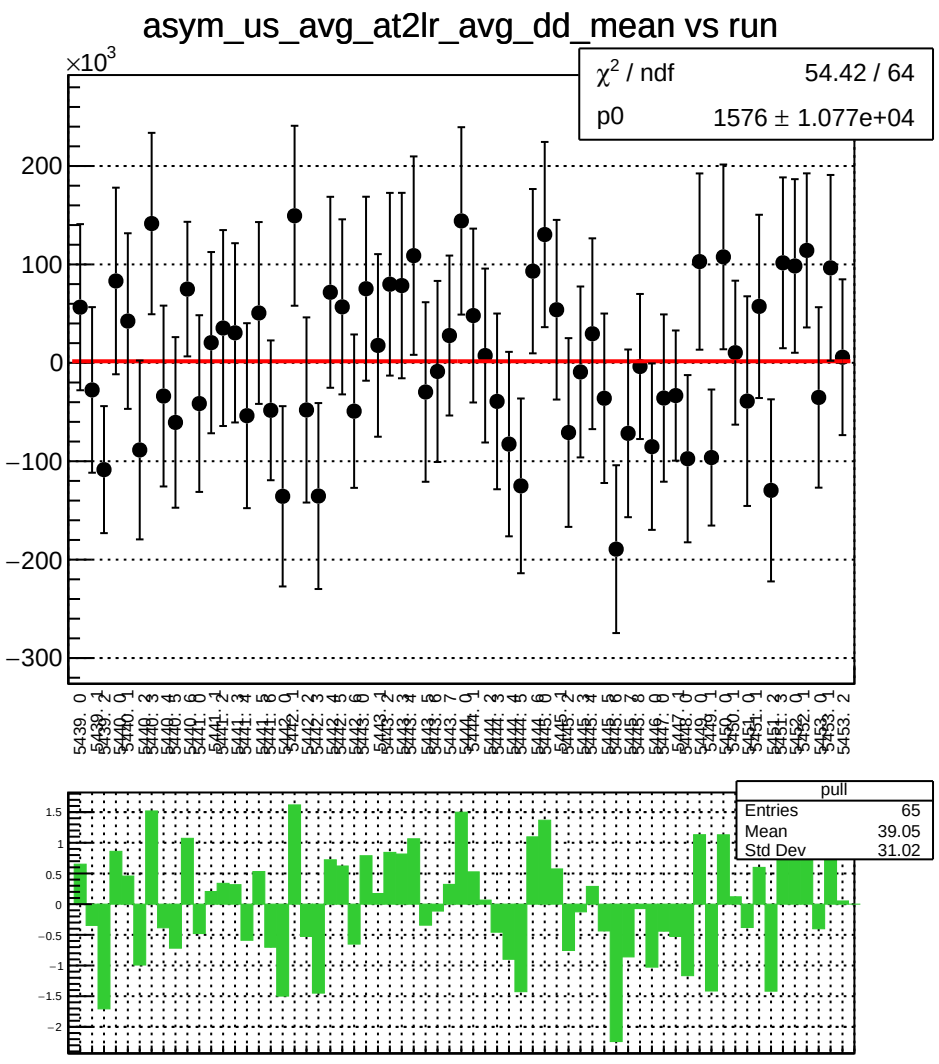

pull1D
Entries 65
Mean 0.0266
Std Dev 0.8399

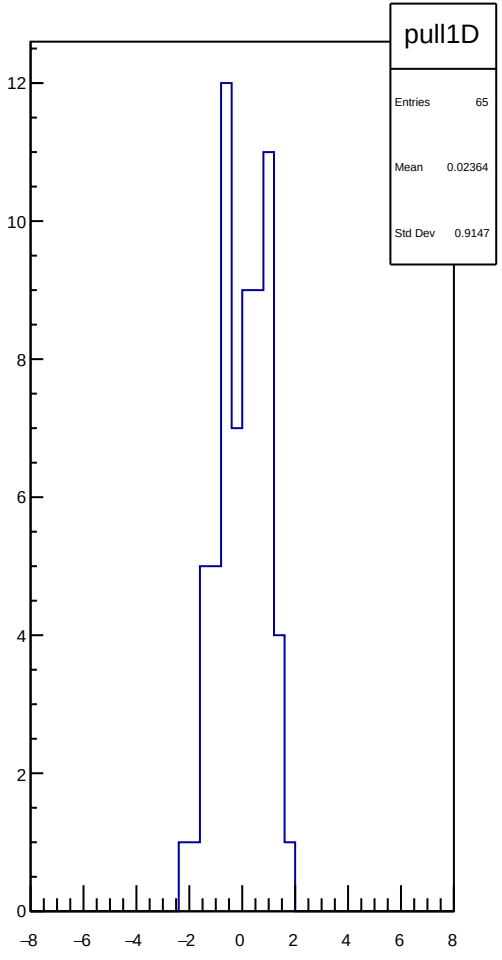

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.62e+04 / 64
p0 2696 ± 2.374
6000
5500
5000
4500
4000
3500
3000
2500

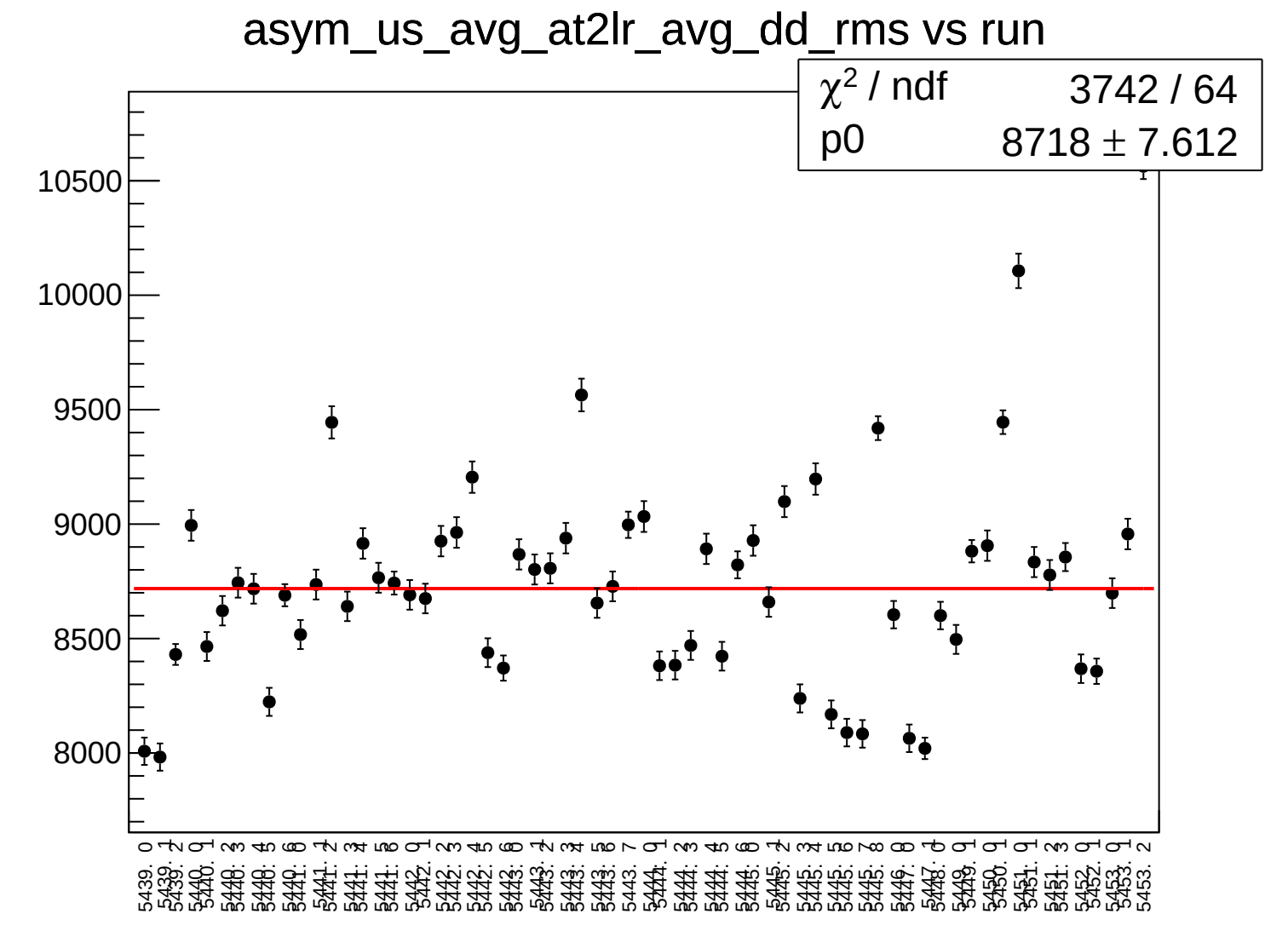

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.75 / 64
p0 3145 ± 9676
200
100
0
−100
−200
pull
Entries 65
Mean −16.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

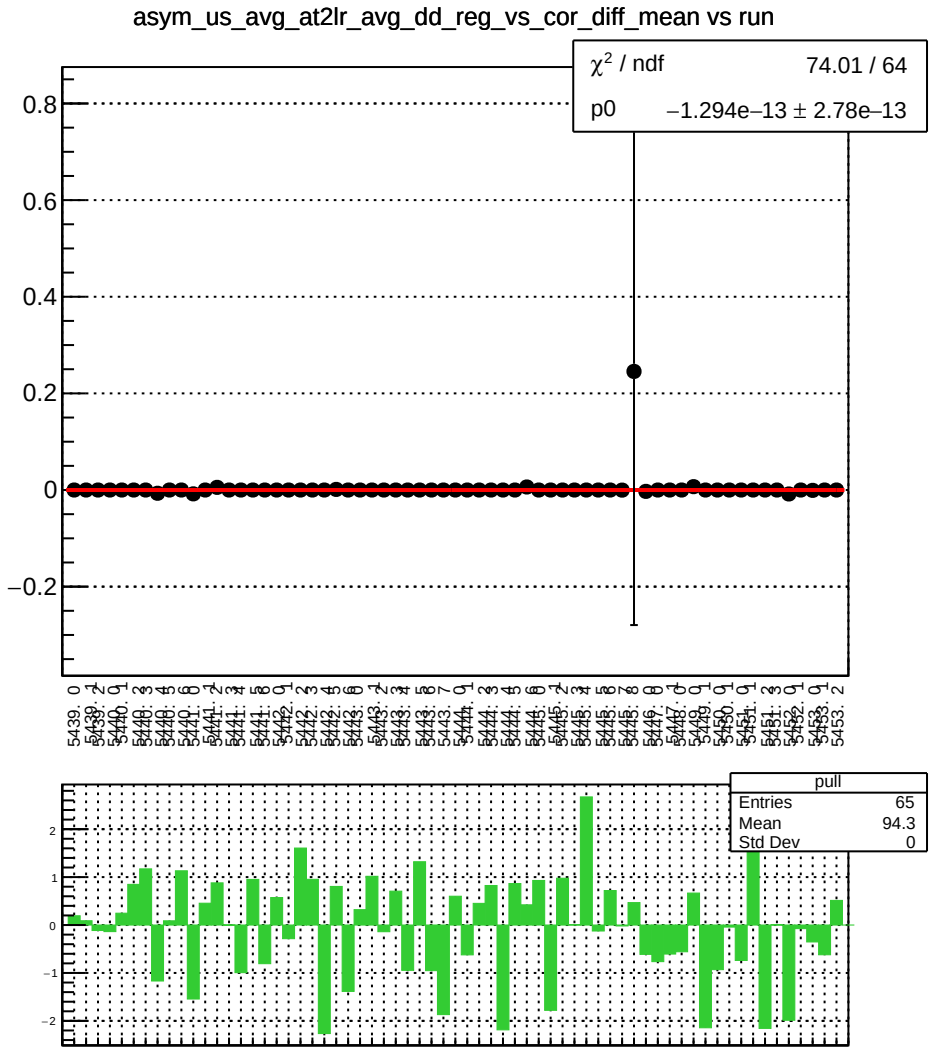

pull1D
Entries 65
Mean −0.01588
Std Dev 0.857
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

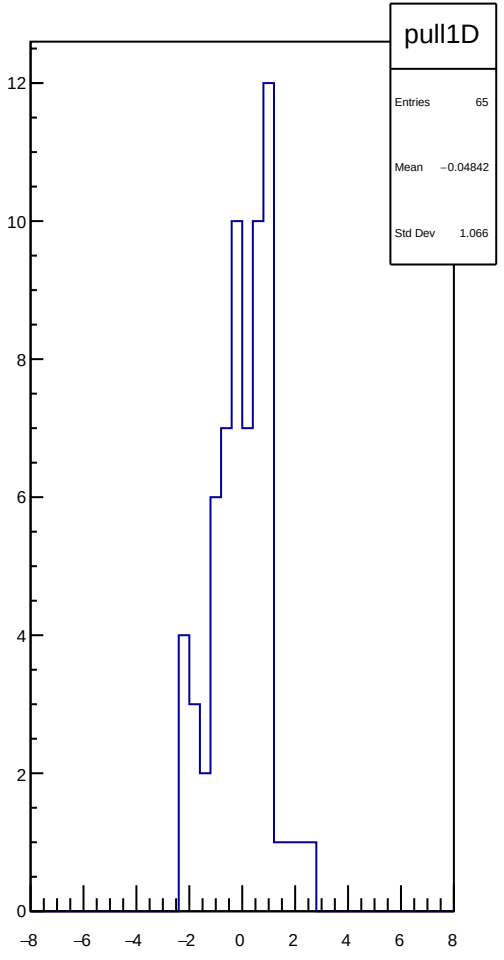

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.946e+04 / 64
p0 7698 ± 6.842
9000
8000
7000
6000
5000
4000

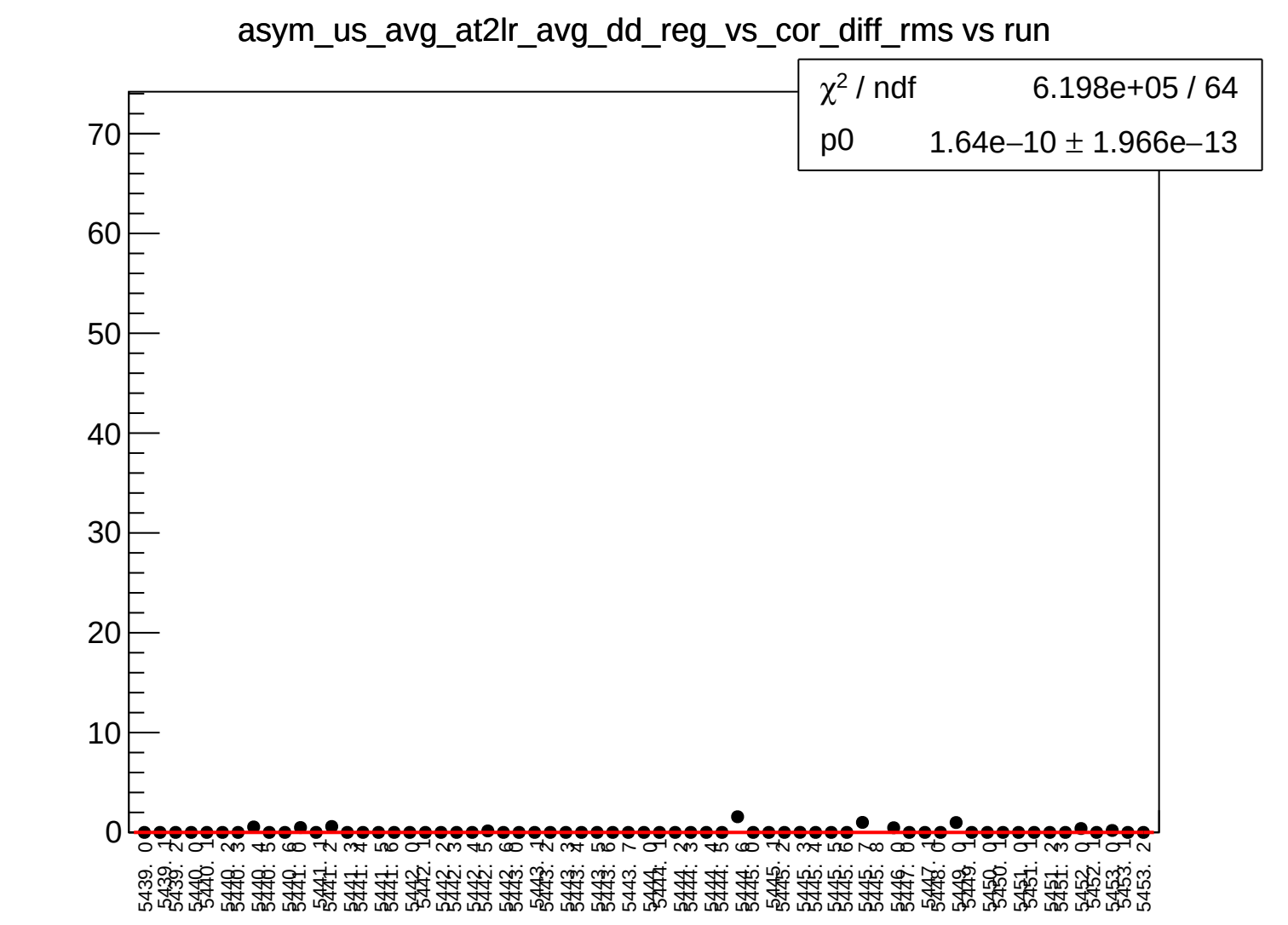

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 54.42 / 64
p0 1576 ± 1.077e+04
200
100
0
−100
−200
−300
pull
Entries 65
Mean 39.05
Std Dev 31.02
1.5
1
0.5
0
−0.5
−1
−1.5
−2

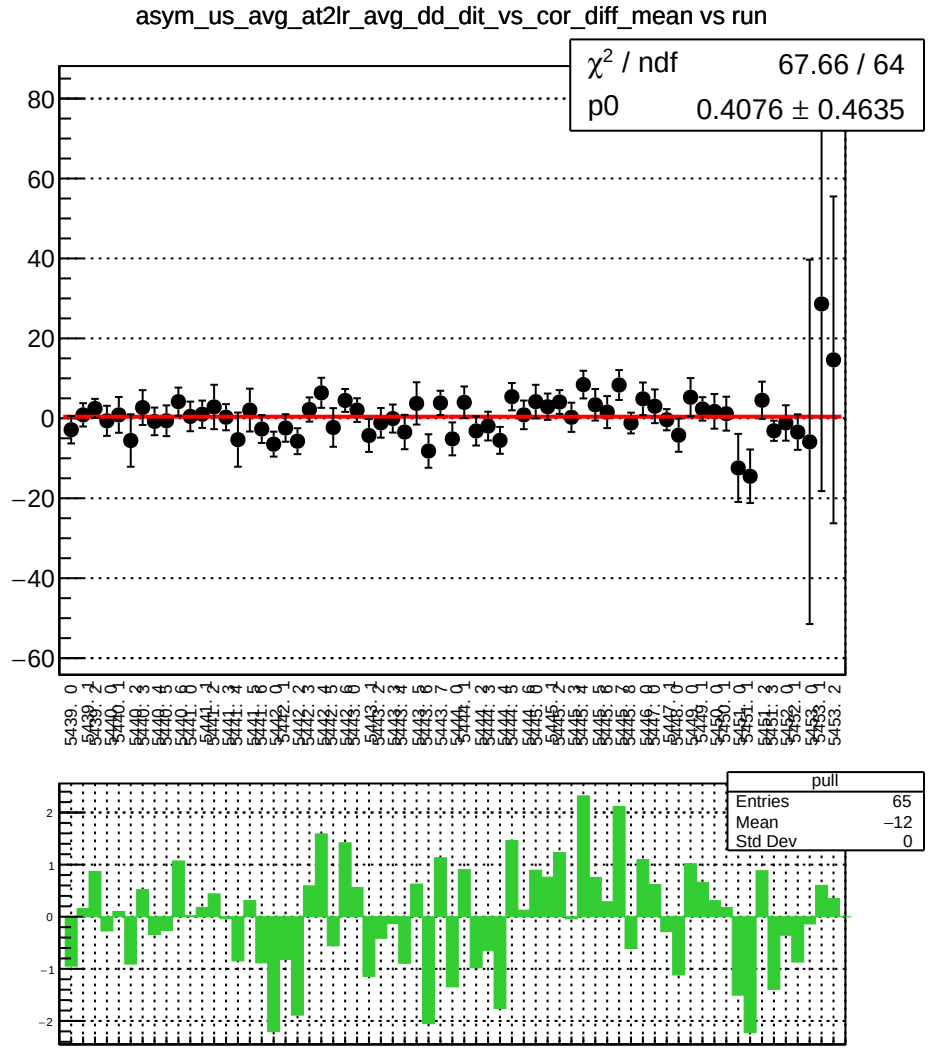

pull1D
Entries 65
Mean 0.02364
Std Dev 0.9147
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

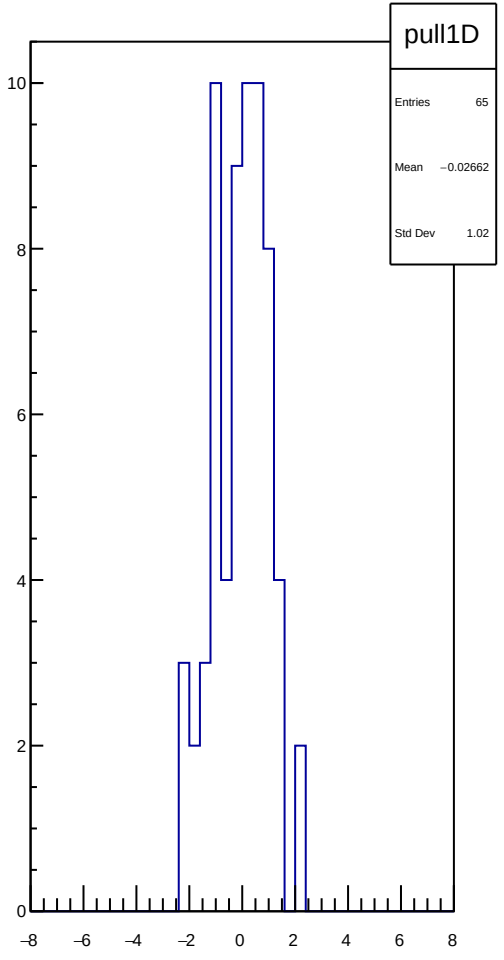

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 3742 / 64
p0 8718 ± 7.612
10500
10000
9500
9000
8500
8000

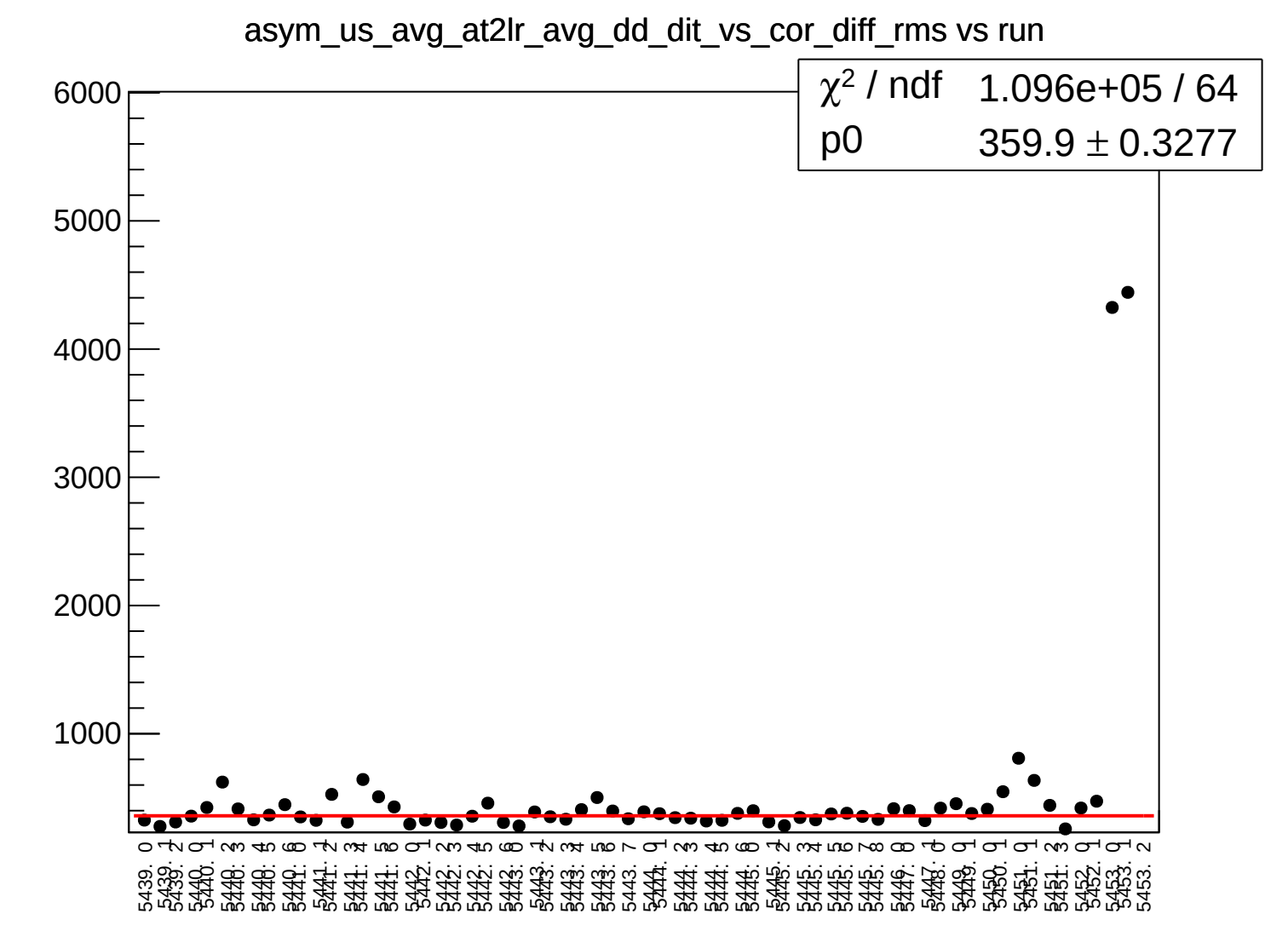

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.01 / 64
p0 −1.294e−13 ± 2.78e−13
pull
Entries 65
Mean 94.3
Std Dev 0

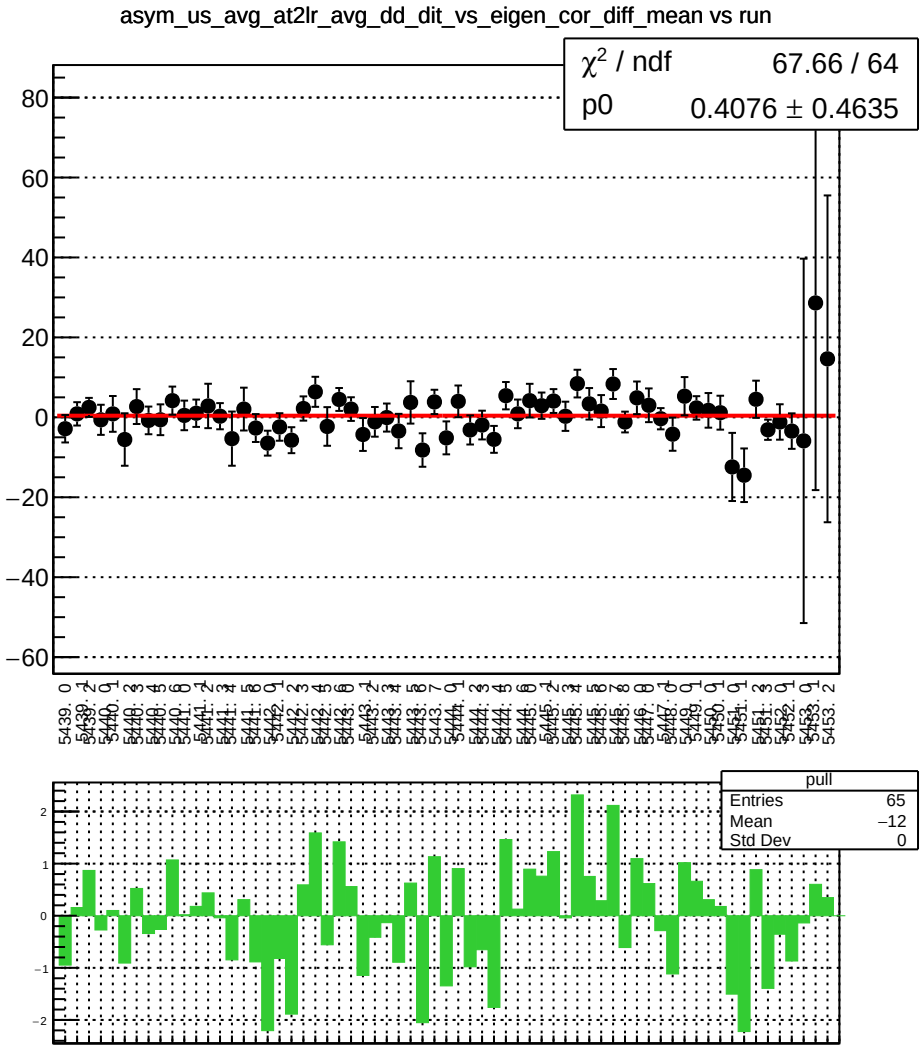

pull1D
Entries 65
Mean −0.04842
Std Dev 1.066

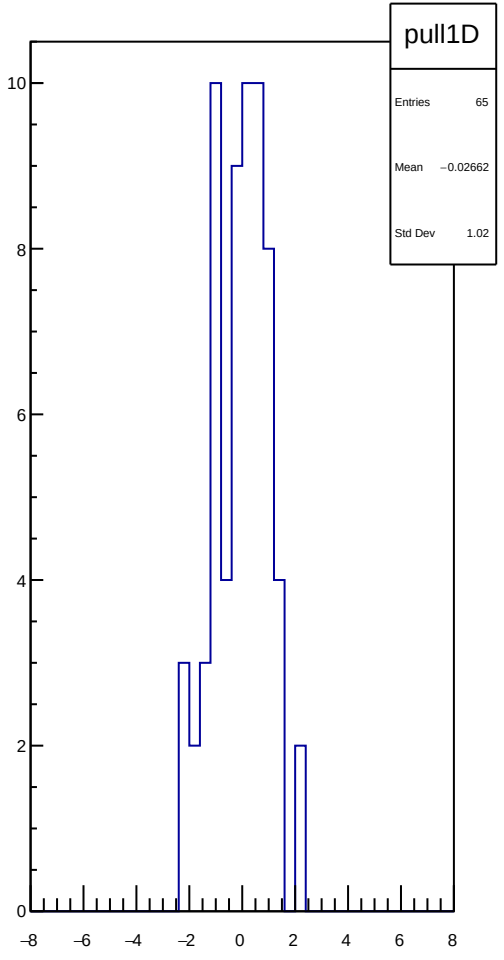

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.198e+05 / 64
p0 1.64e−10 ± 1.966e−13
70
60
50
40
30
20
10
0

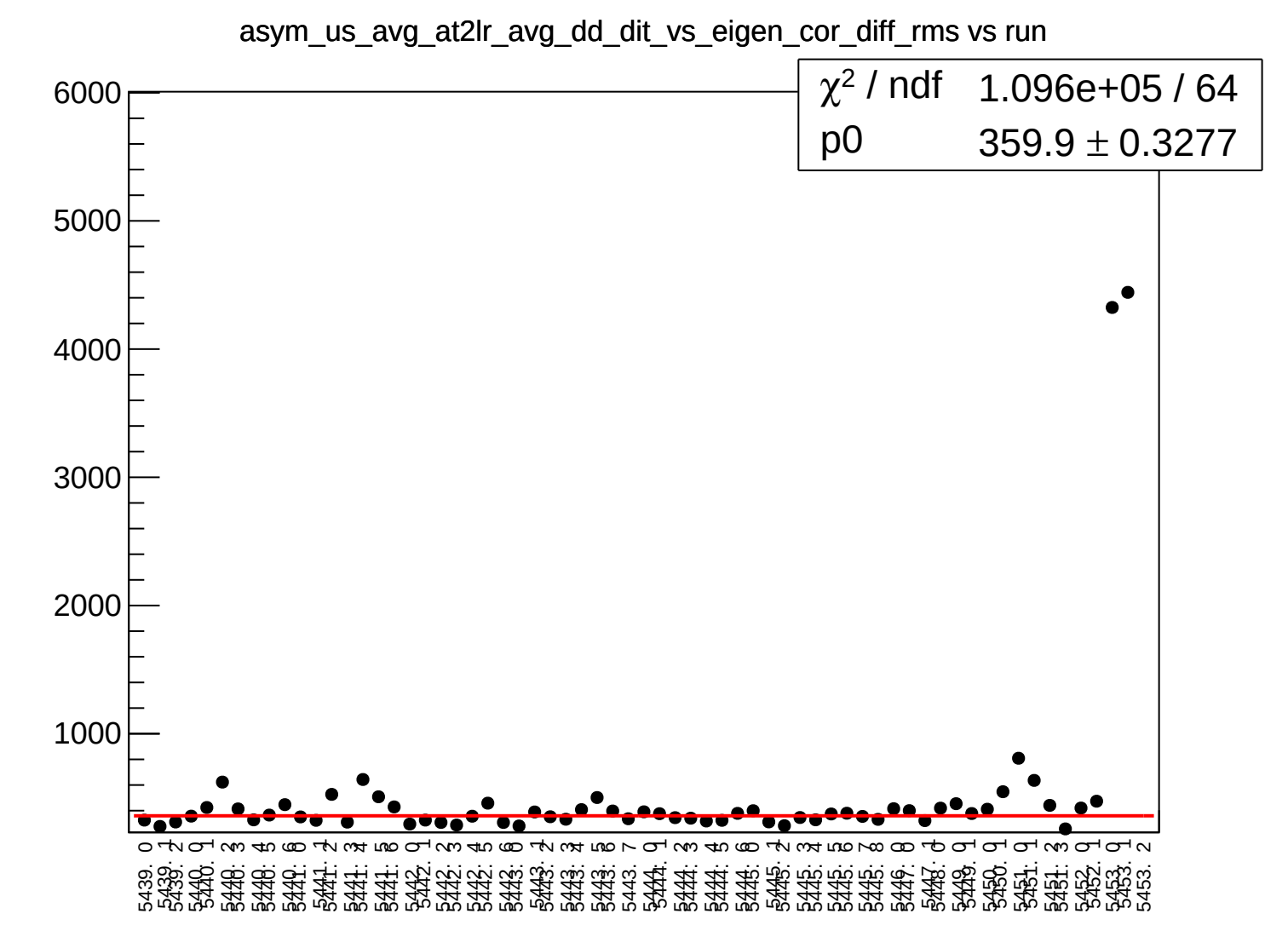

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.66 / 64
p0 0.4076 ± 0.4635
pull
Entries 65
Mean −12
Std Dev 0

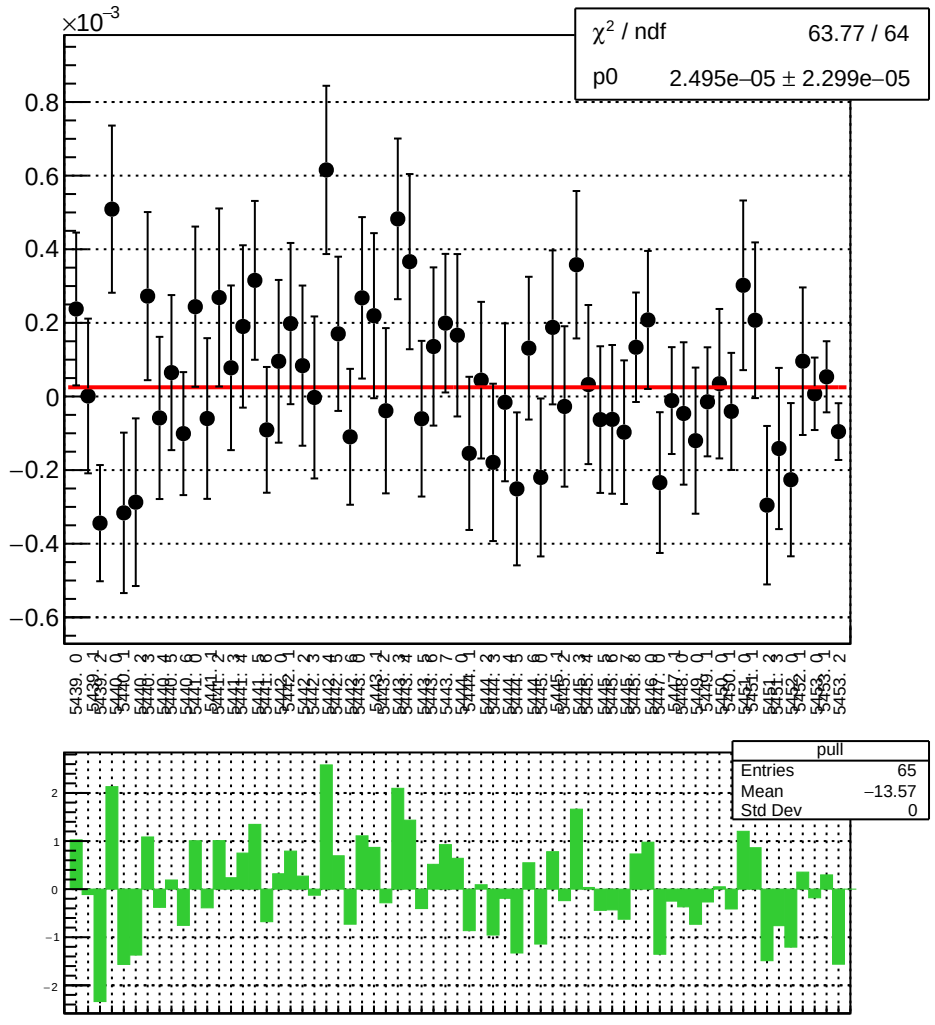

pull1D
Entries 65
Mean −0.02662
Std Dev 1.02

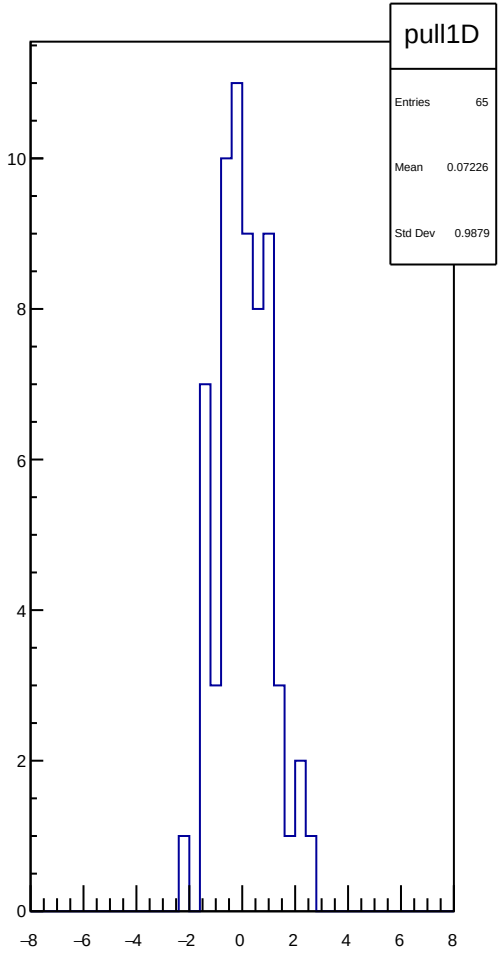

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 64
p0 359.9 ± 0.3277
6000
5000
4000
3000
2000
1000

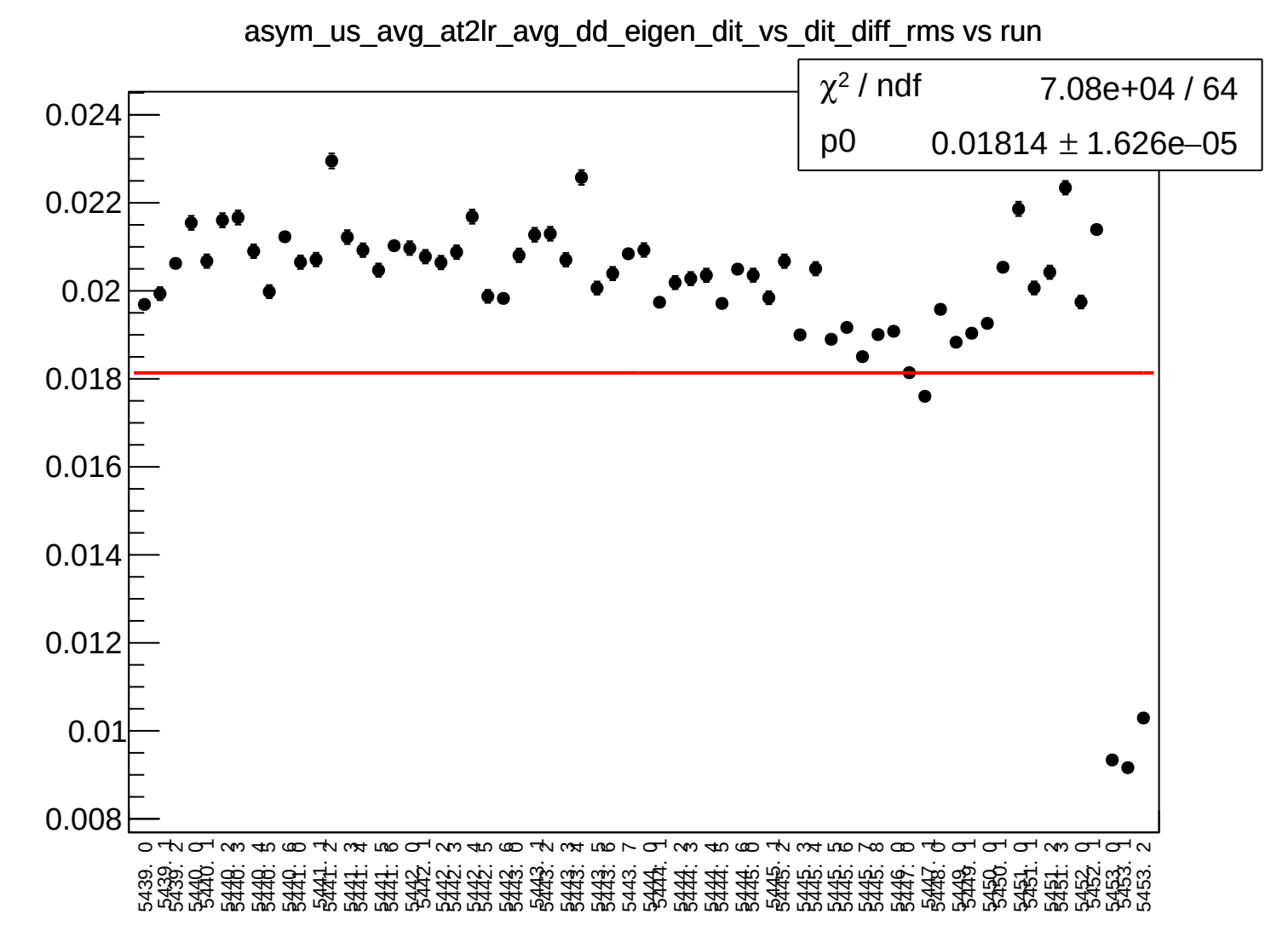

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.66 / 64
p0 0.4076 ± 0.4635
pull
Entries 65
Mean −12
Std Dev 0

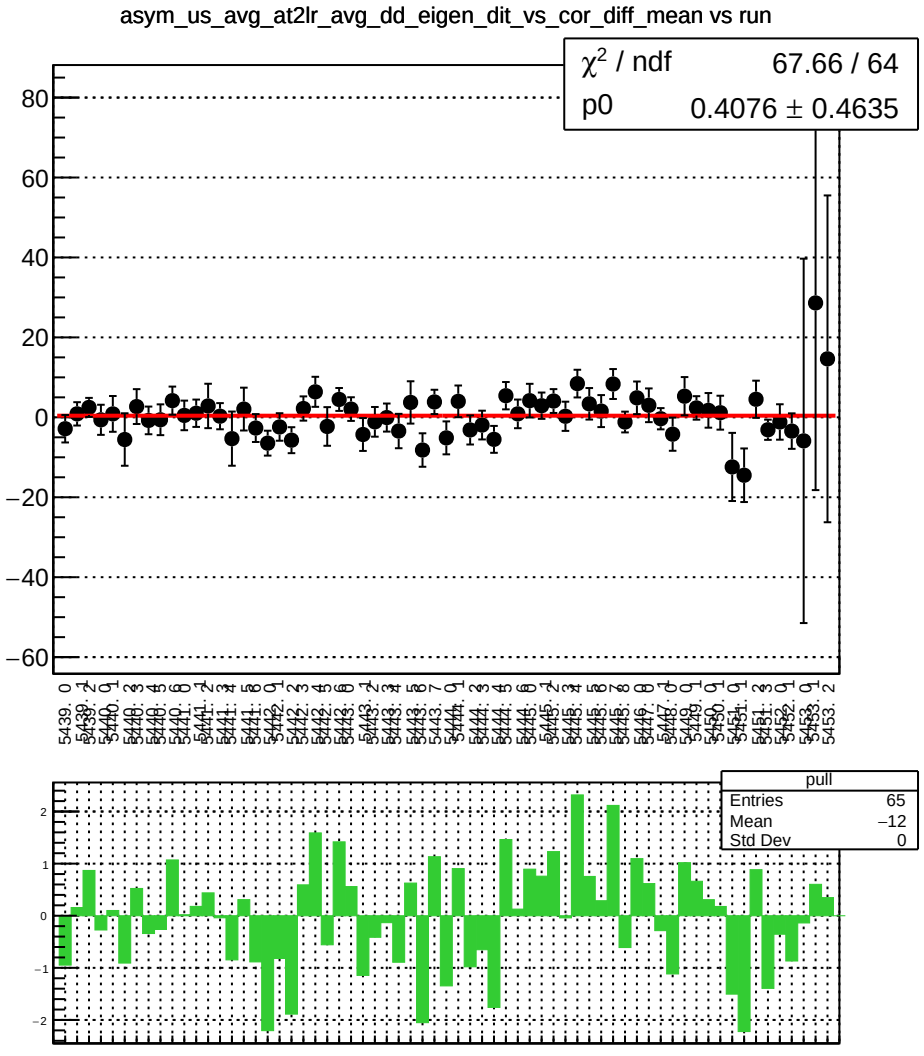

pull1D
Entries 65
Mean −0.02662
Std Dev 1.02

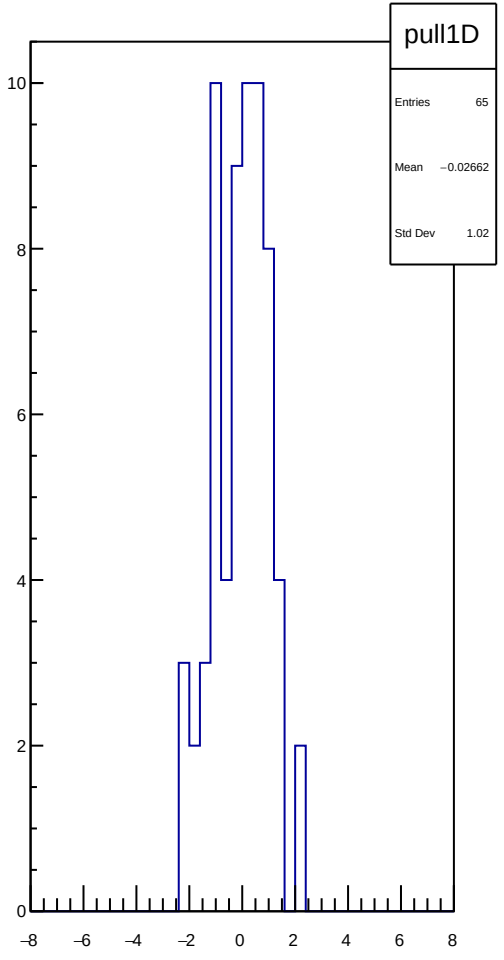

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 64
p0 359.9 ± 0.3277
6000
5000
4000
3000
2000
1000

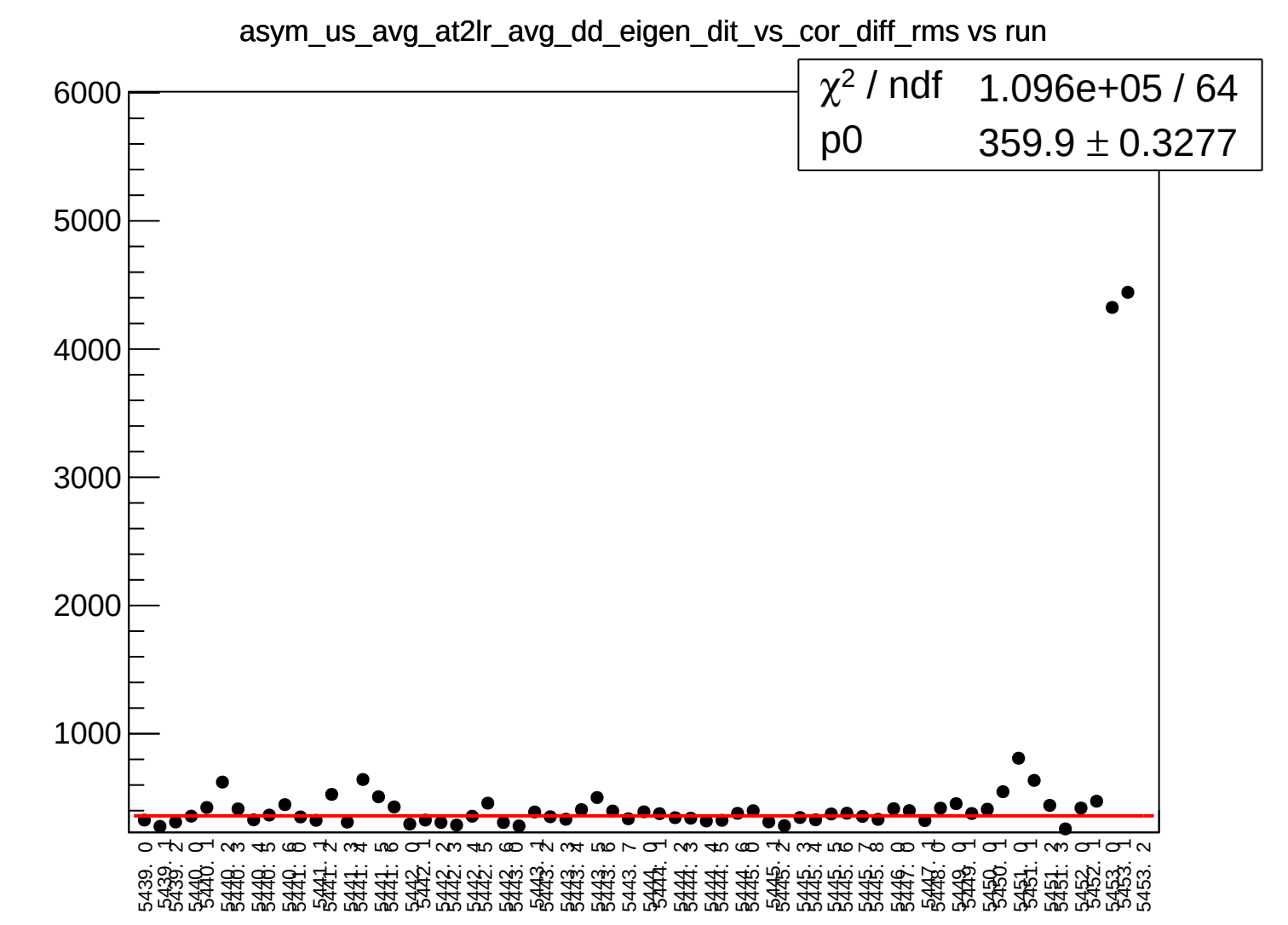

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.77 / 64
p0 2.495e−05 ± 2.299e−05
pull
Entries 65
Mean −13.57
Std Dev 0

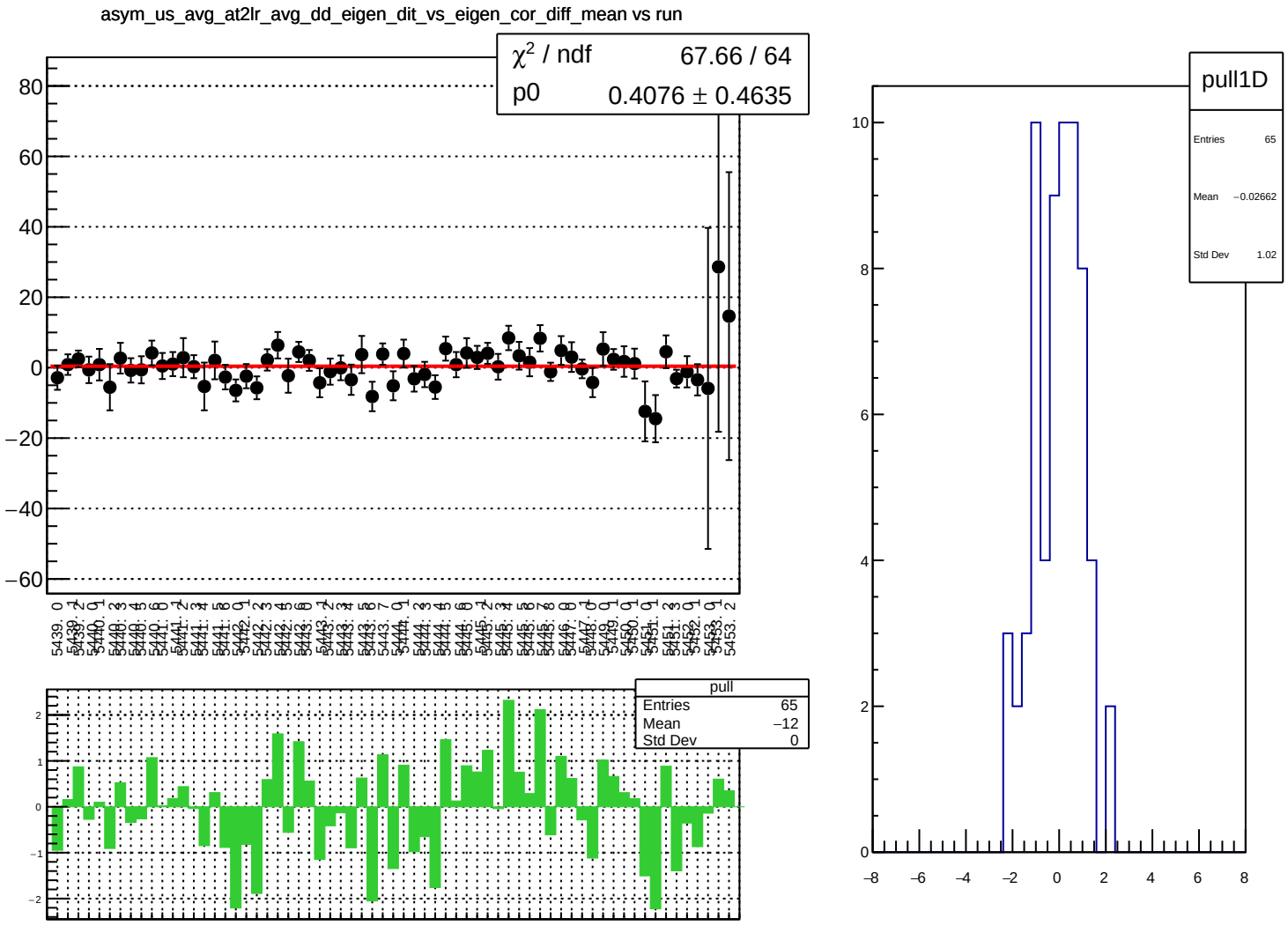

pull1D
Entries 65
Mean 0.07226
Std Dev 0.9879

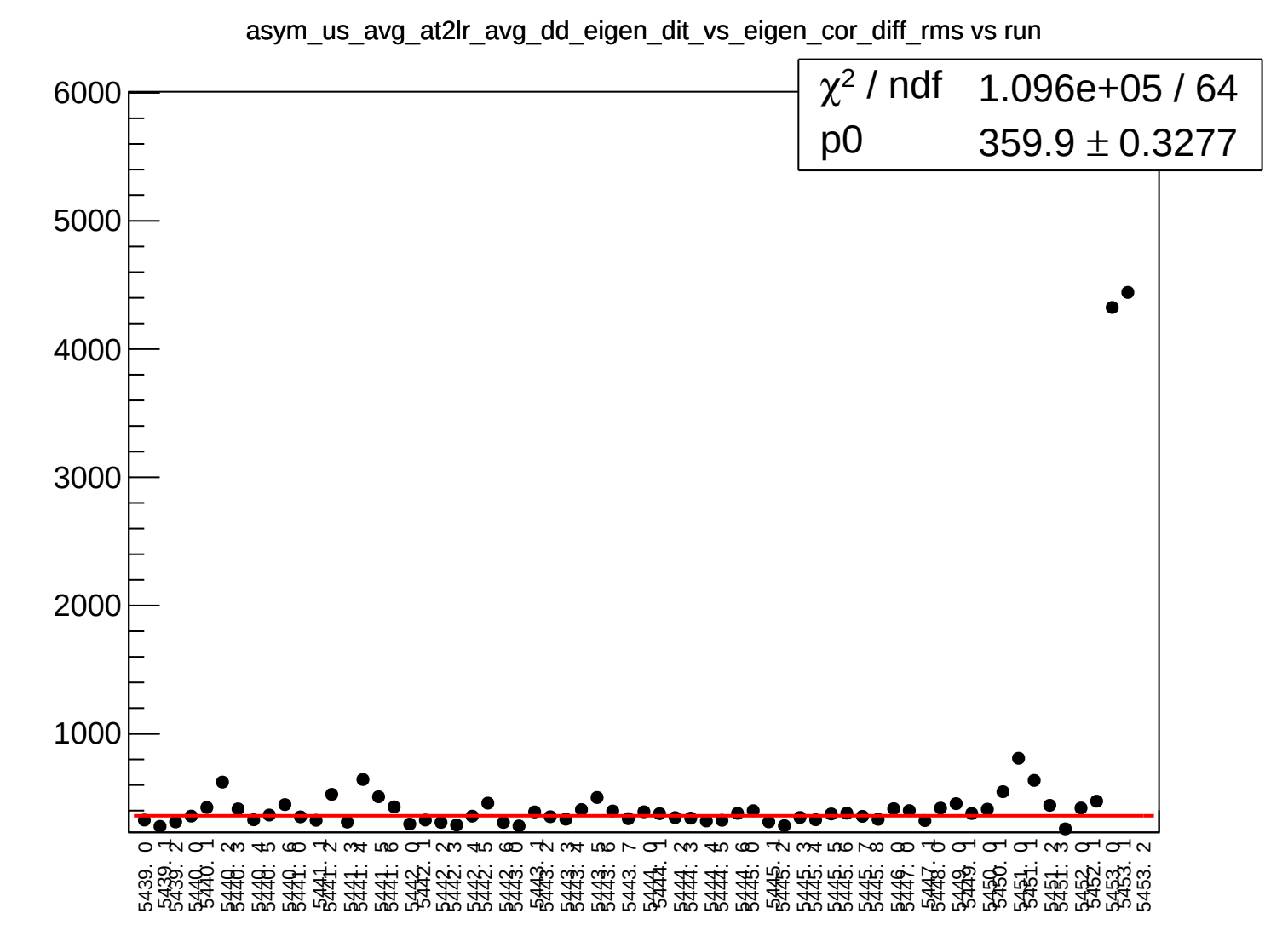

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.08e+04 / 64
p0 0.01814 ± 1.626e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

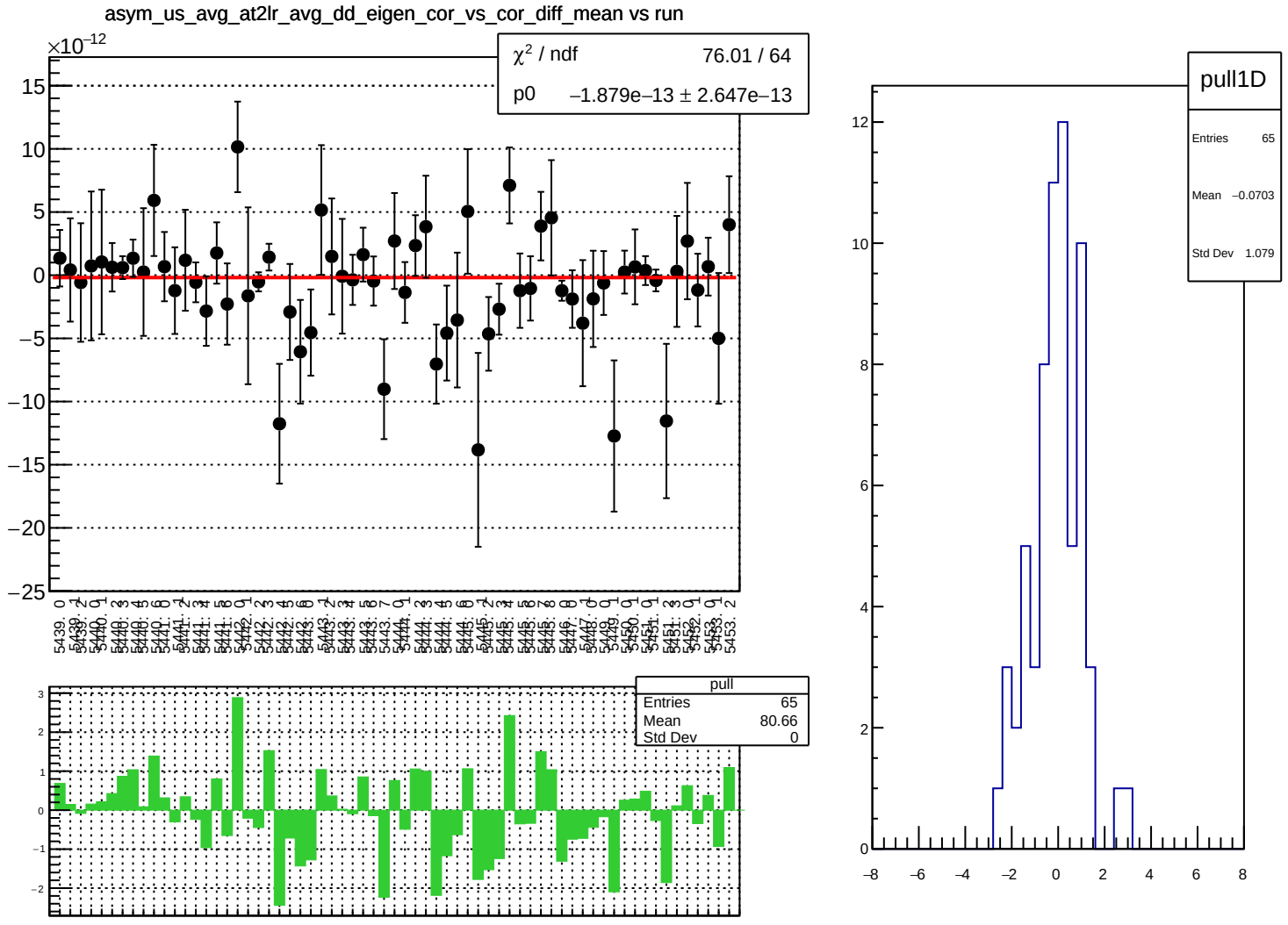

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.66 / 64
p0 0.4076 ± 0.4635
pull
Entries 65
Mean −12
Std Dev 0

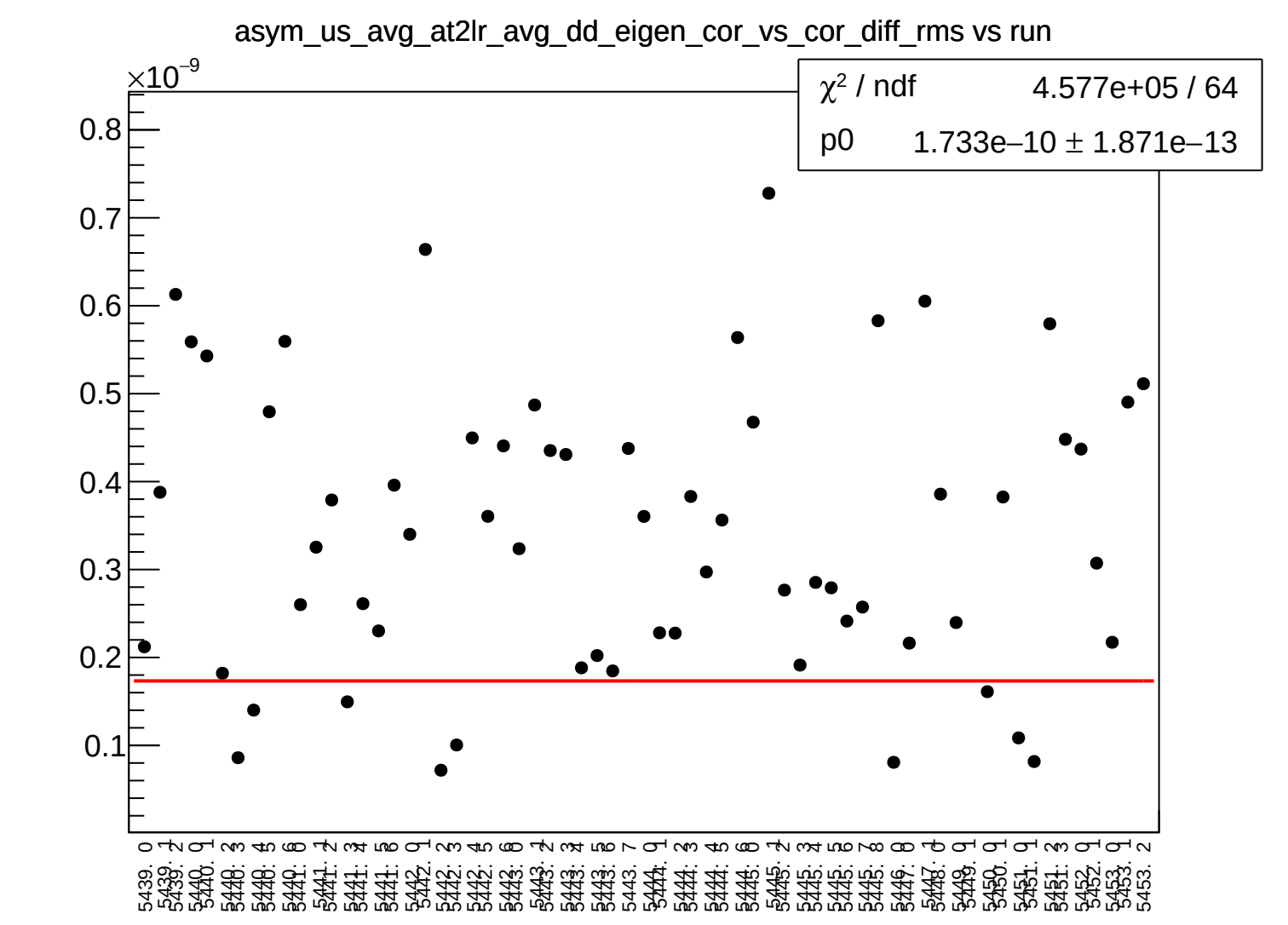

pull1D
Entries 65
Mean −0.02662
Std Dev 1.02

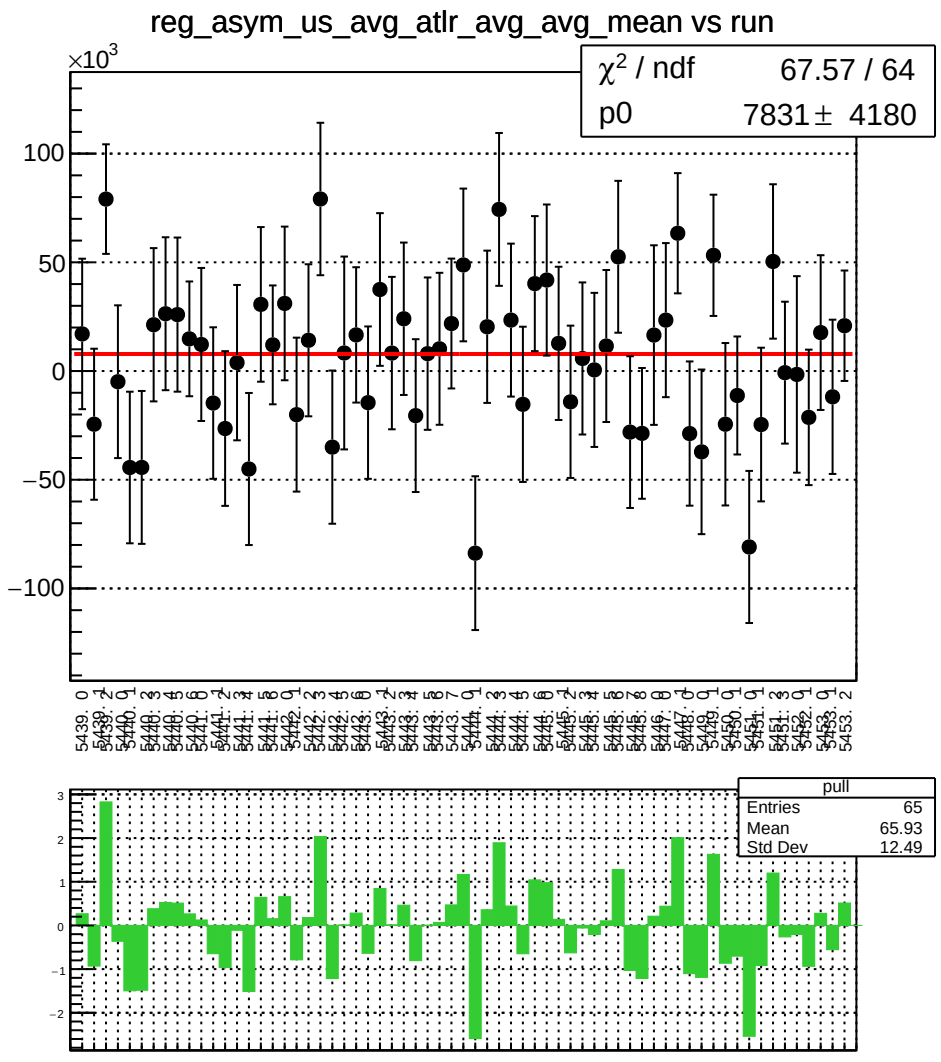

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 64
p0 359.9 ± 0.3277
6000
5000
4000
3000
2000
1000

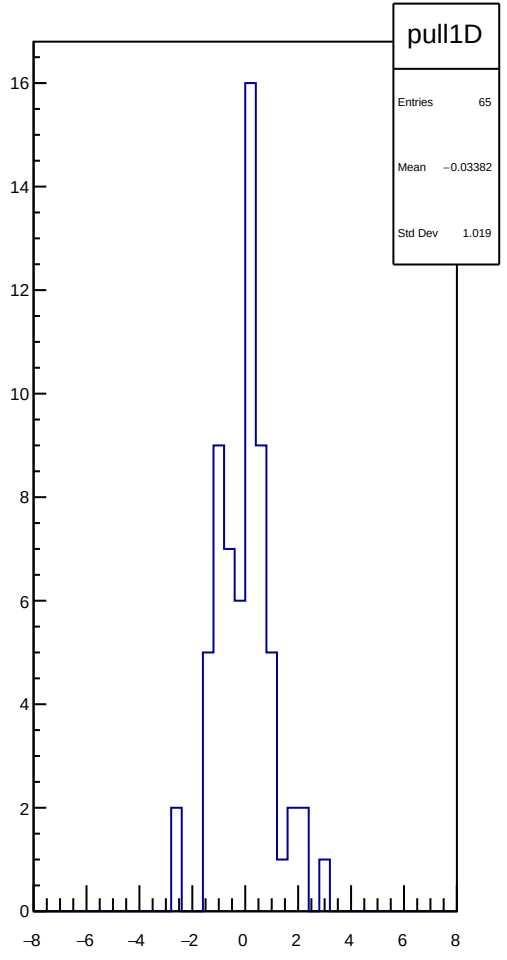

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.66 / 64
p0 0.4076 ± 0.4635
pull
Entries 65
Mean −12
Std Dev 0
pull1D
Entries 65
Mean −0.02662
Std Dev 1.02

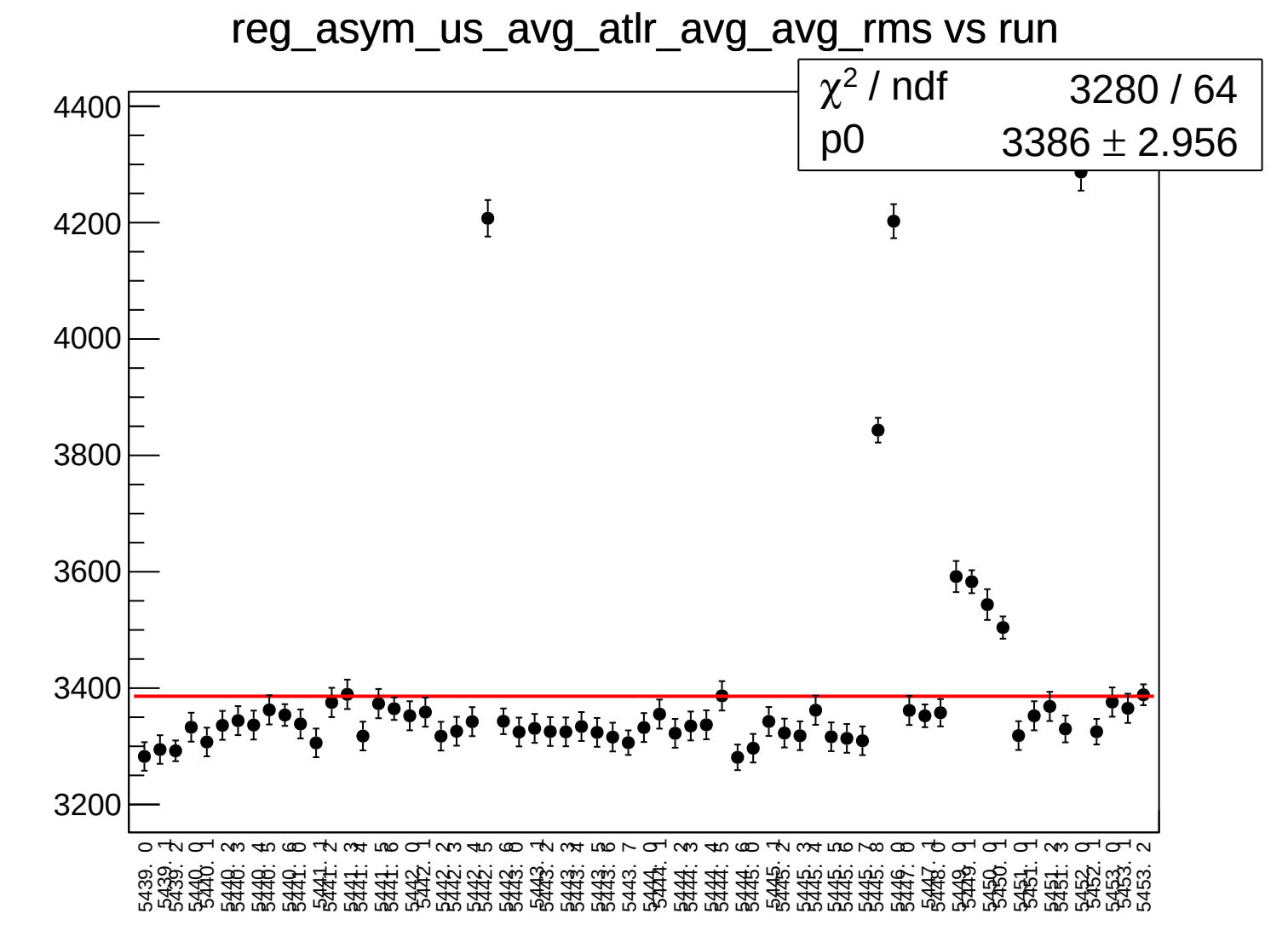

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 64
p0 359.9 ± 0.3277
6000
5000
4000
3000
2000
1000

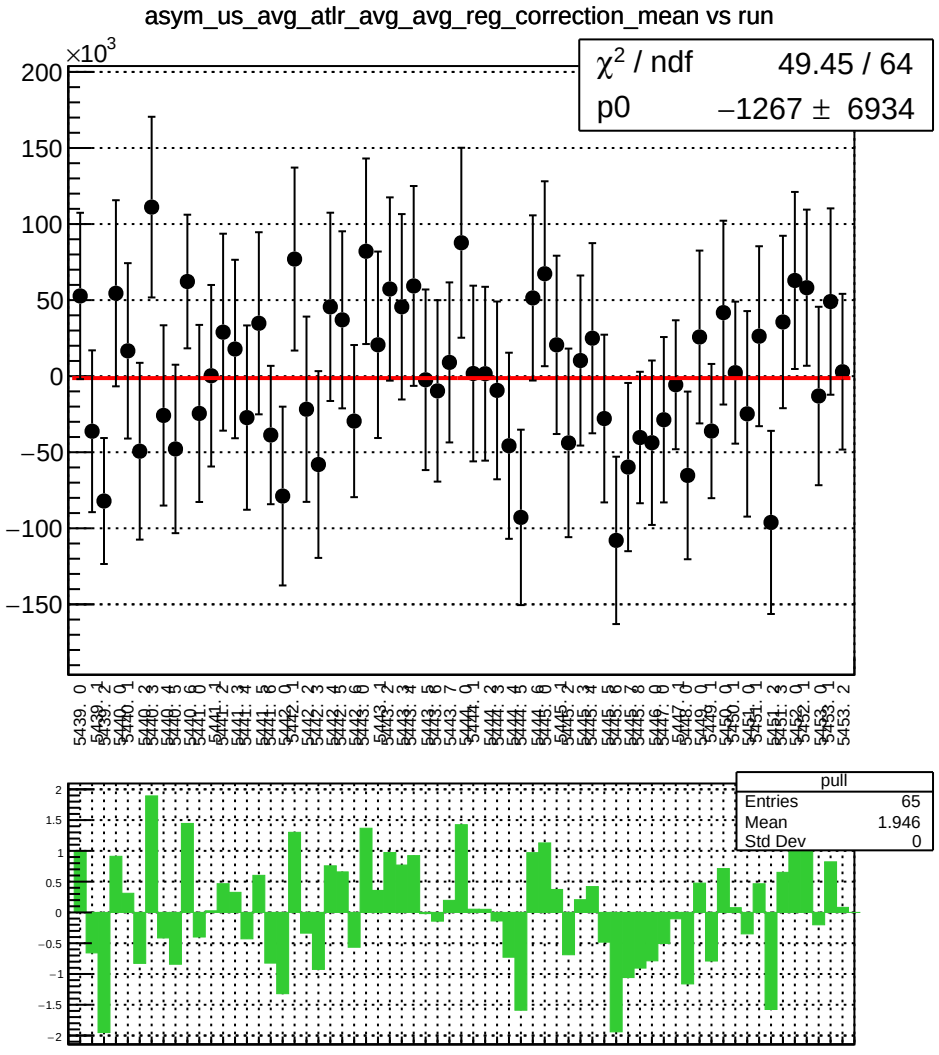

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.01 / 64
p0 −1.879e−13 ± 2.647e−13
pull
Entries 65
Mean 80.66
Std Dev 0
pull1D
Entries 65
Mean −0.0703
Std Dev 1.079

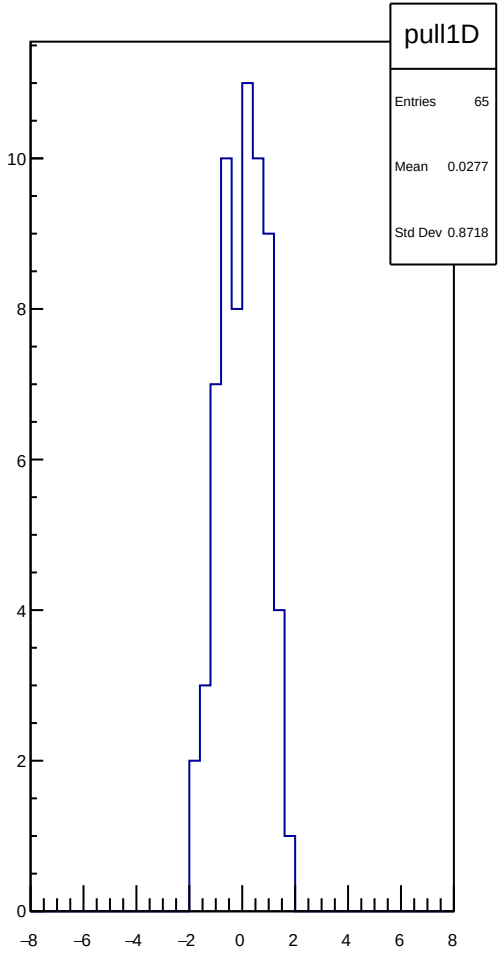

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.577e+05 / 64
p0 1.733e−10 ± 1.871e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

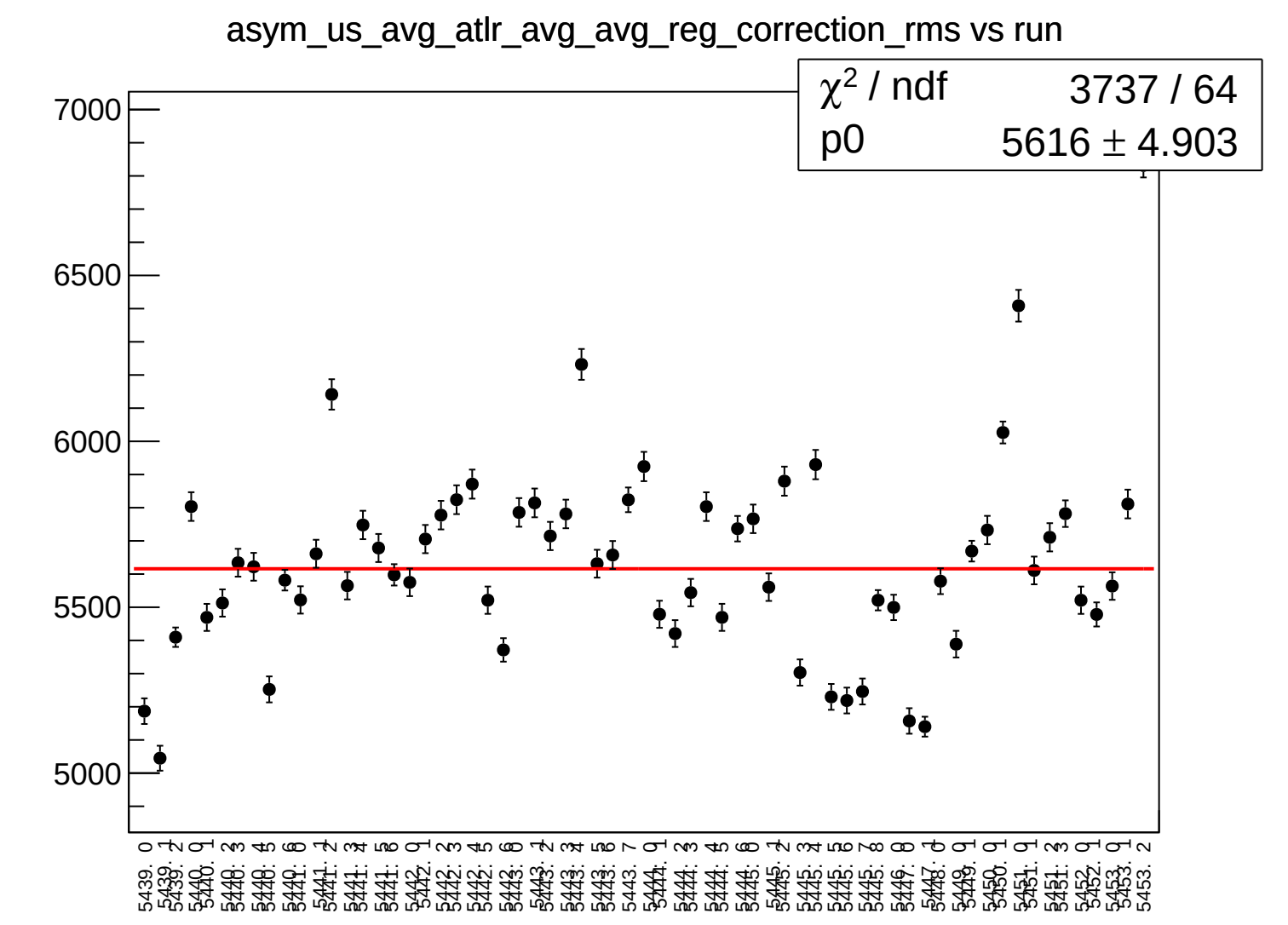

reg_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 67.57 / 64
p0 7831 ± 4180
100
50
0
−50
−100
pull
Entries 65
Mean 65.93
Std Dev 12.49
3
2
1
0
−1
−2

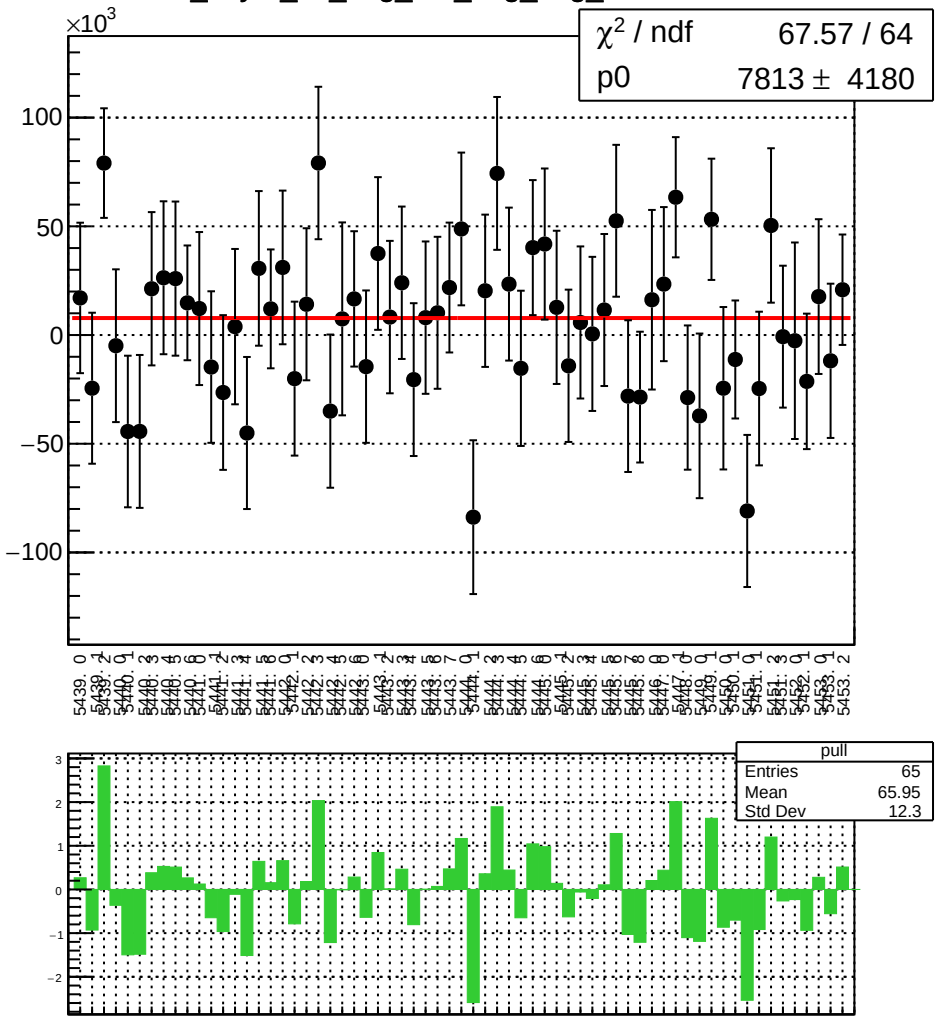

pull1D
Entries 65
Mean −0.03382
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

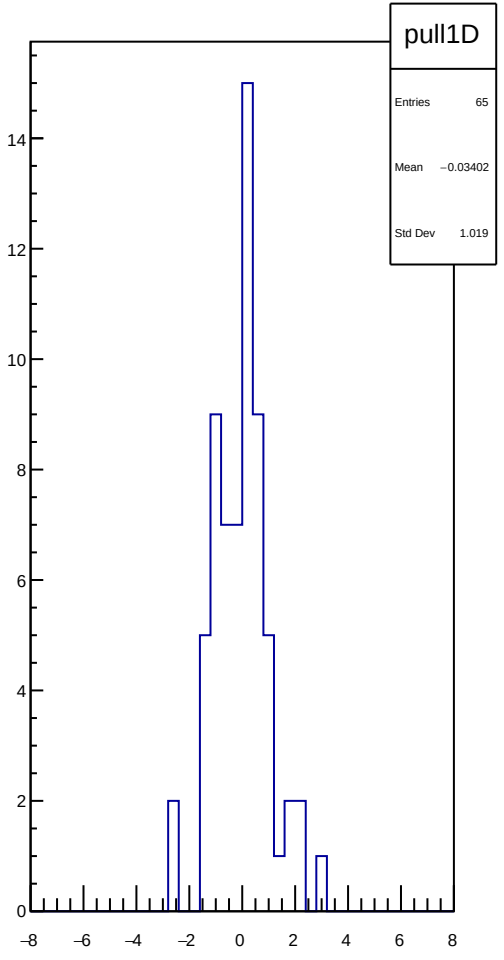

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3280 / 64
p0 3386 ± 2.956
4400
4200
4000
3800
3600
3400
3200

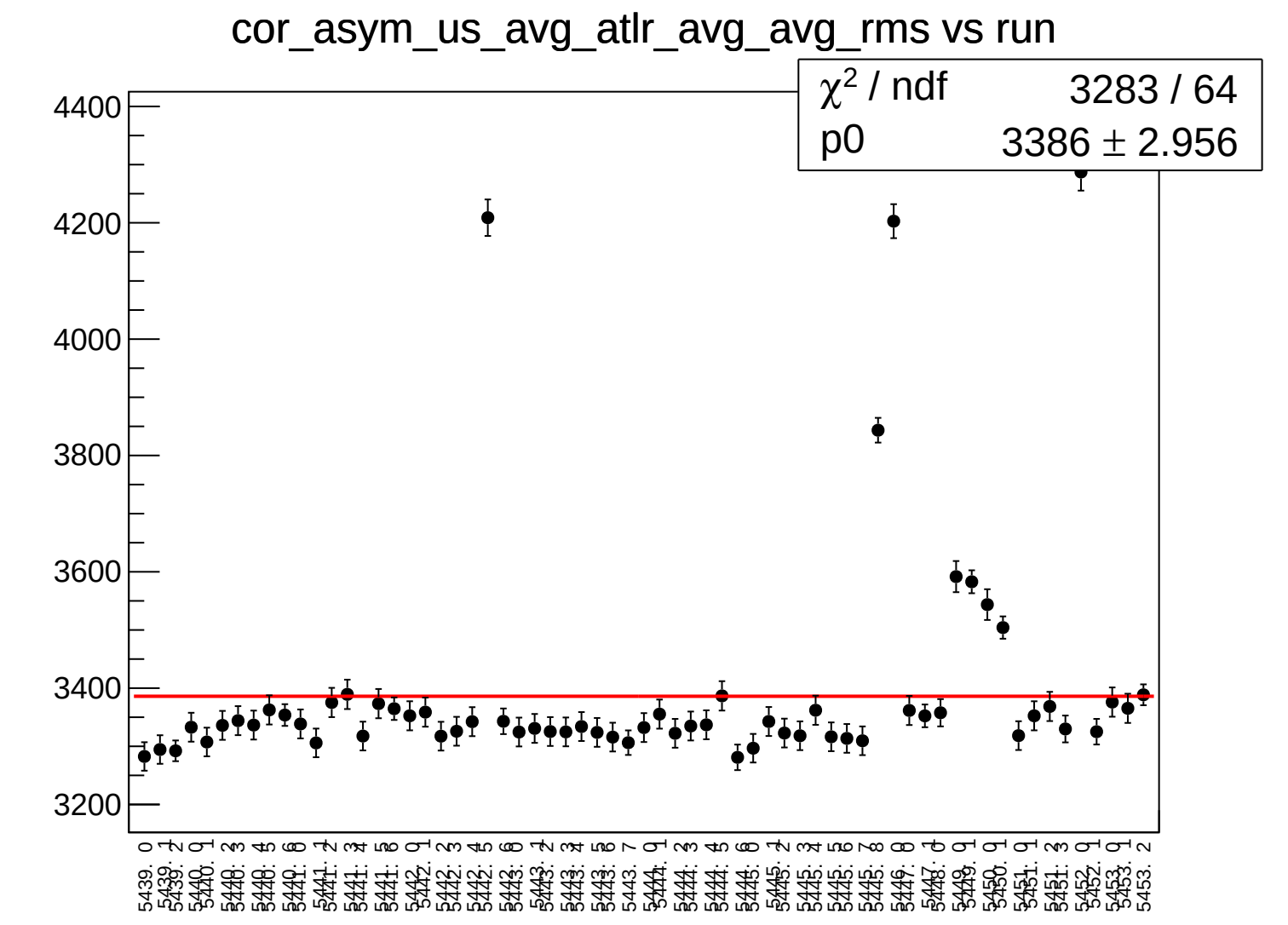

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.45 / 64
p0 −1267 ± 6934
pull
Entries 65
Mean 1.946
Std Dev 0

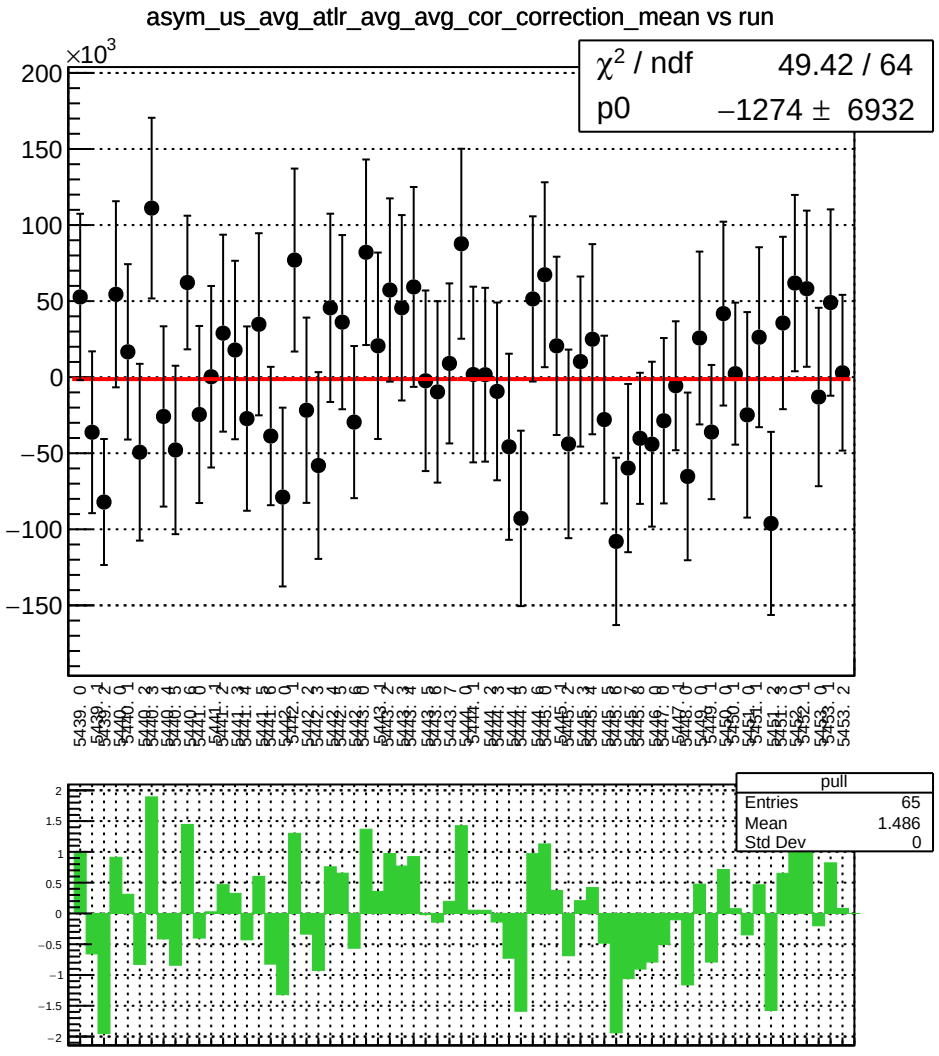

pull1D
Entries 65
Mean 0.0277
Std Dev 0.8718

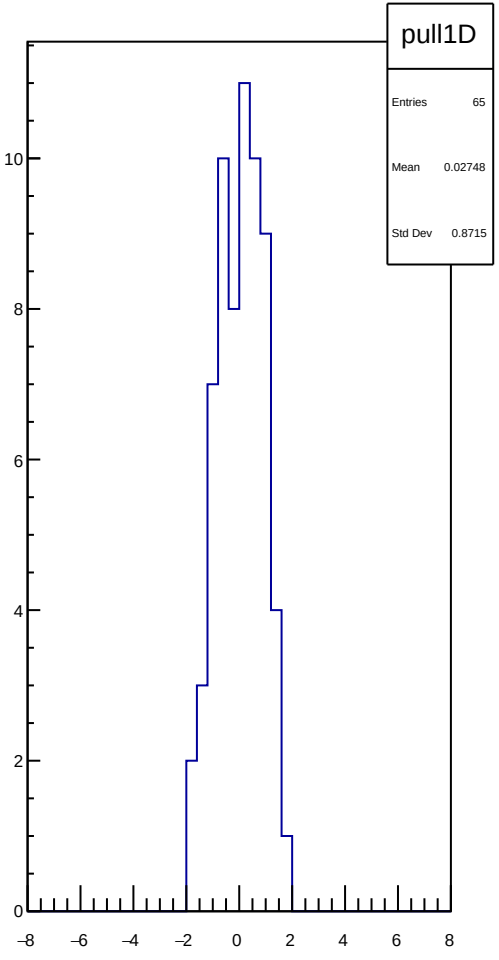

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 3737 / 64
p0 5616 ± 4.903
7000
6500
6000
5500
5000

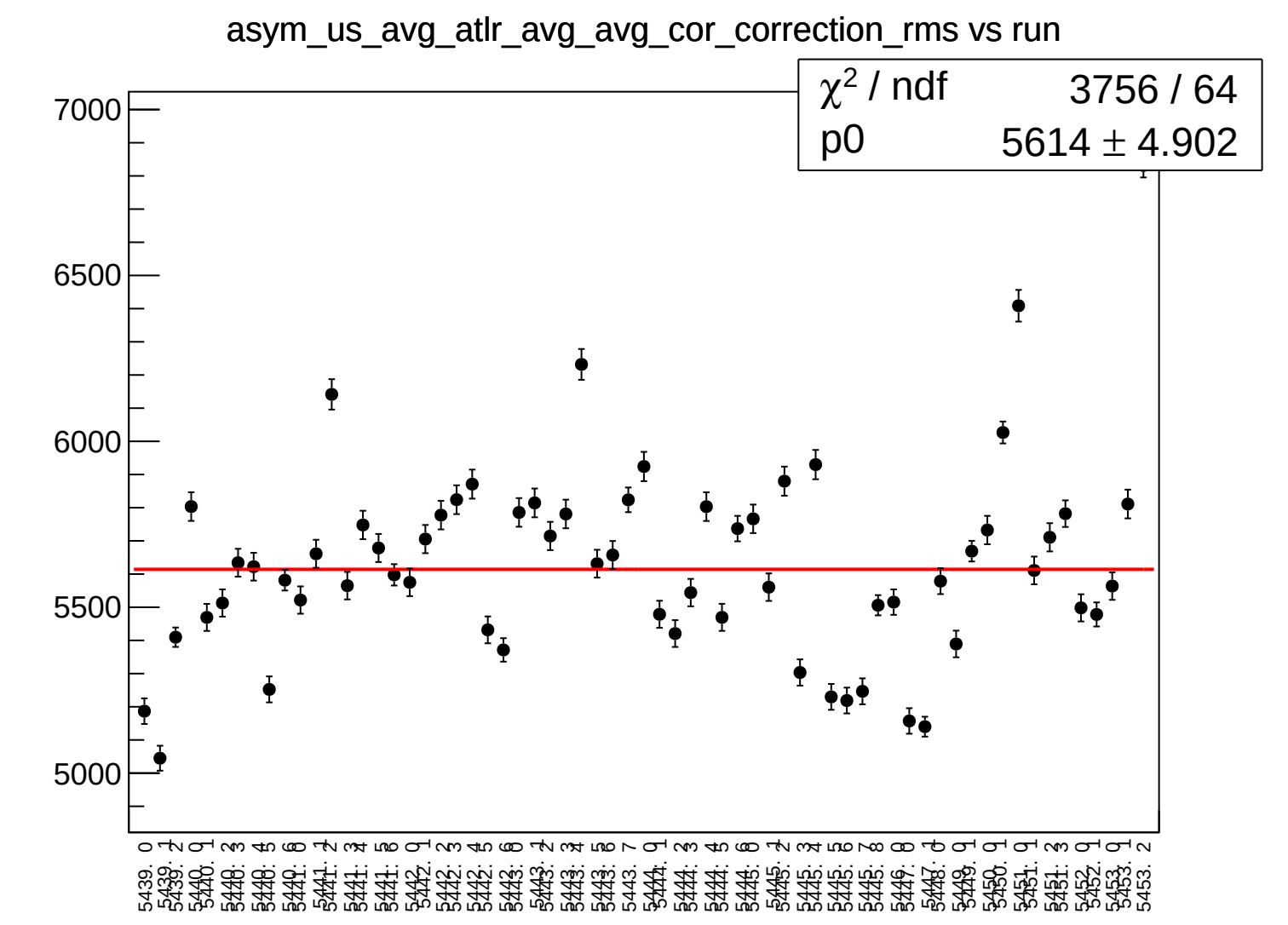

cor_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 67.57 / 64
p0 7813 ± 4180
100
50
0
−50
−100
pull
Entries 65
Mean 65.95
Std Dev 12.3
3
2
1
0
−1
−2

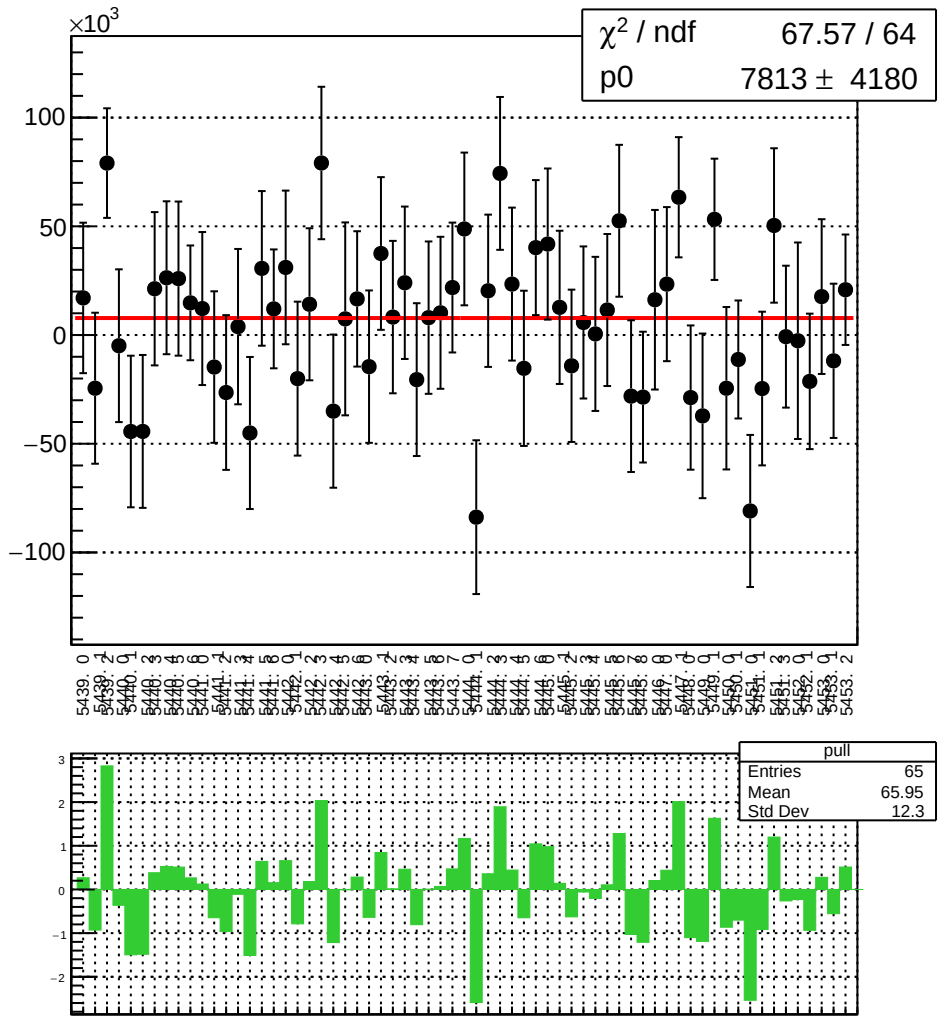

pull1D
Entries 65
Mean −0.03402
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

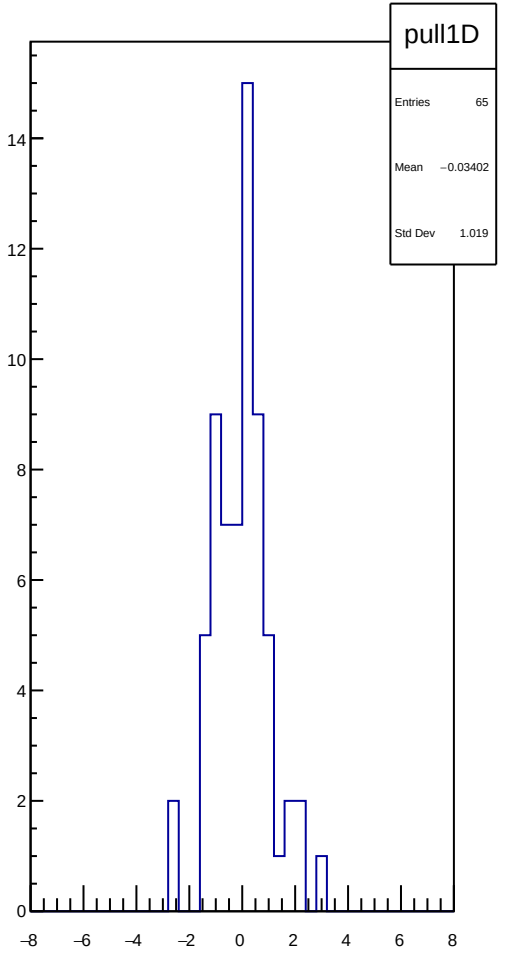

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3283 / 64
p0 3386 ± 2.956
4400
4200
4000
3800
3600
3400
3200

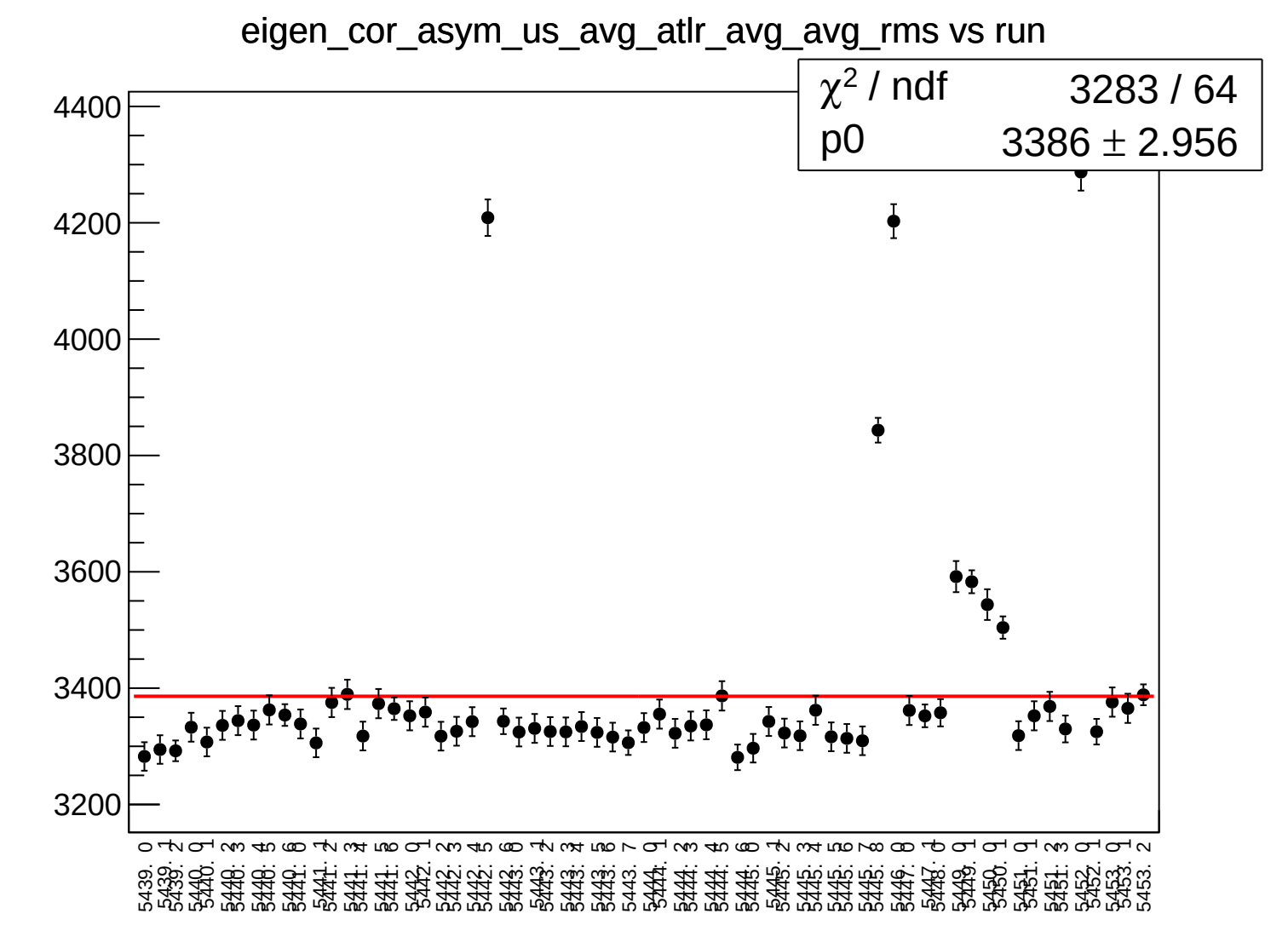

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.42 / 64
p0 −1274 ± 6932
pull
Entries 65
Mean 1.486
Std Dev 0

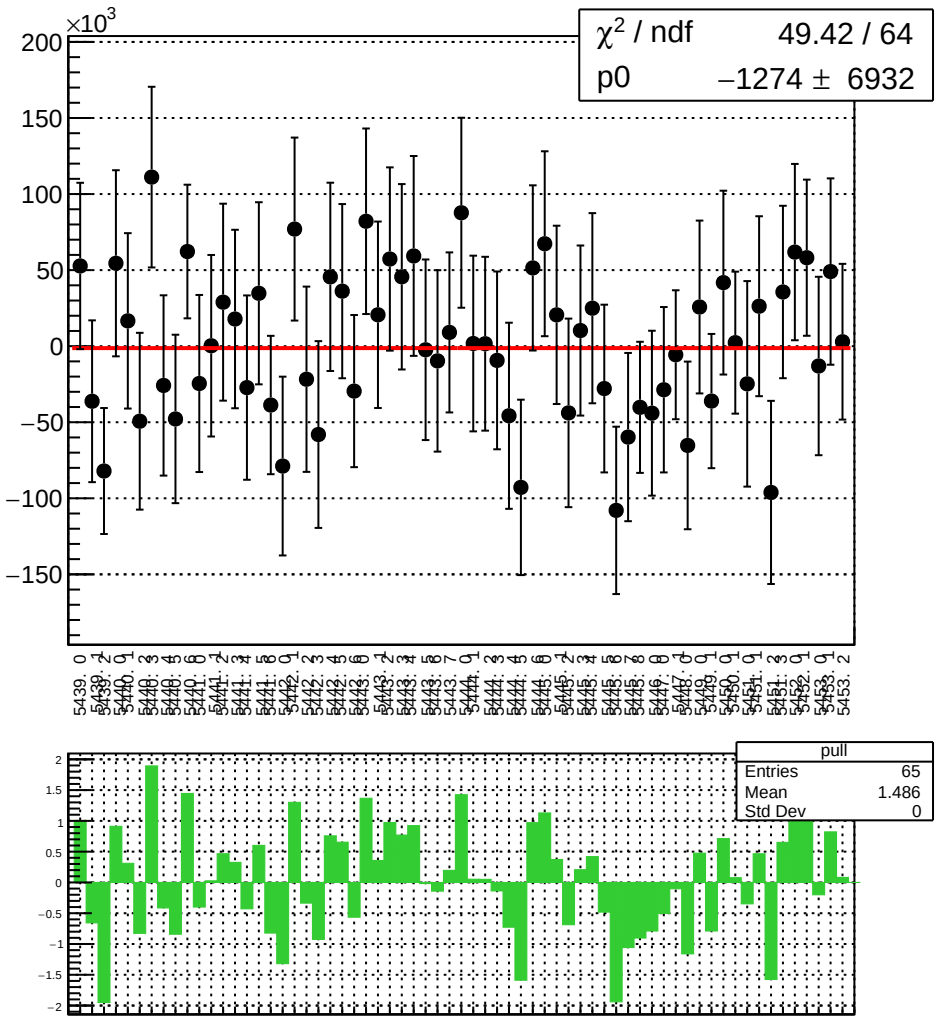

pull1D
Entries 65
Mean 0.02748
Std Dev 0.8715

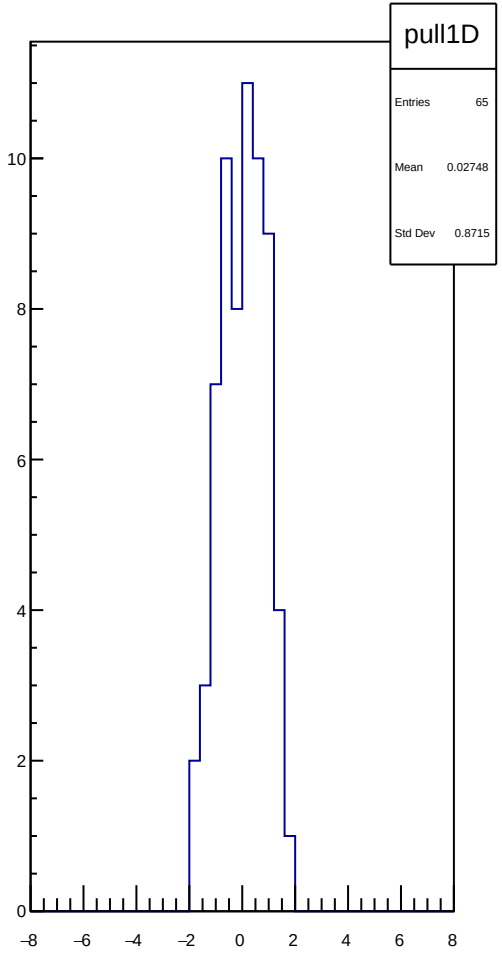

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 3756 / 64
p0 5614 ± 4.902
7000
6500
6000
5500
5000

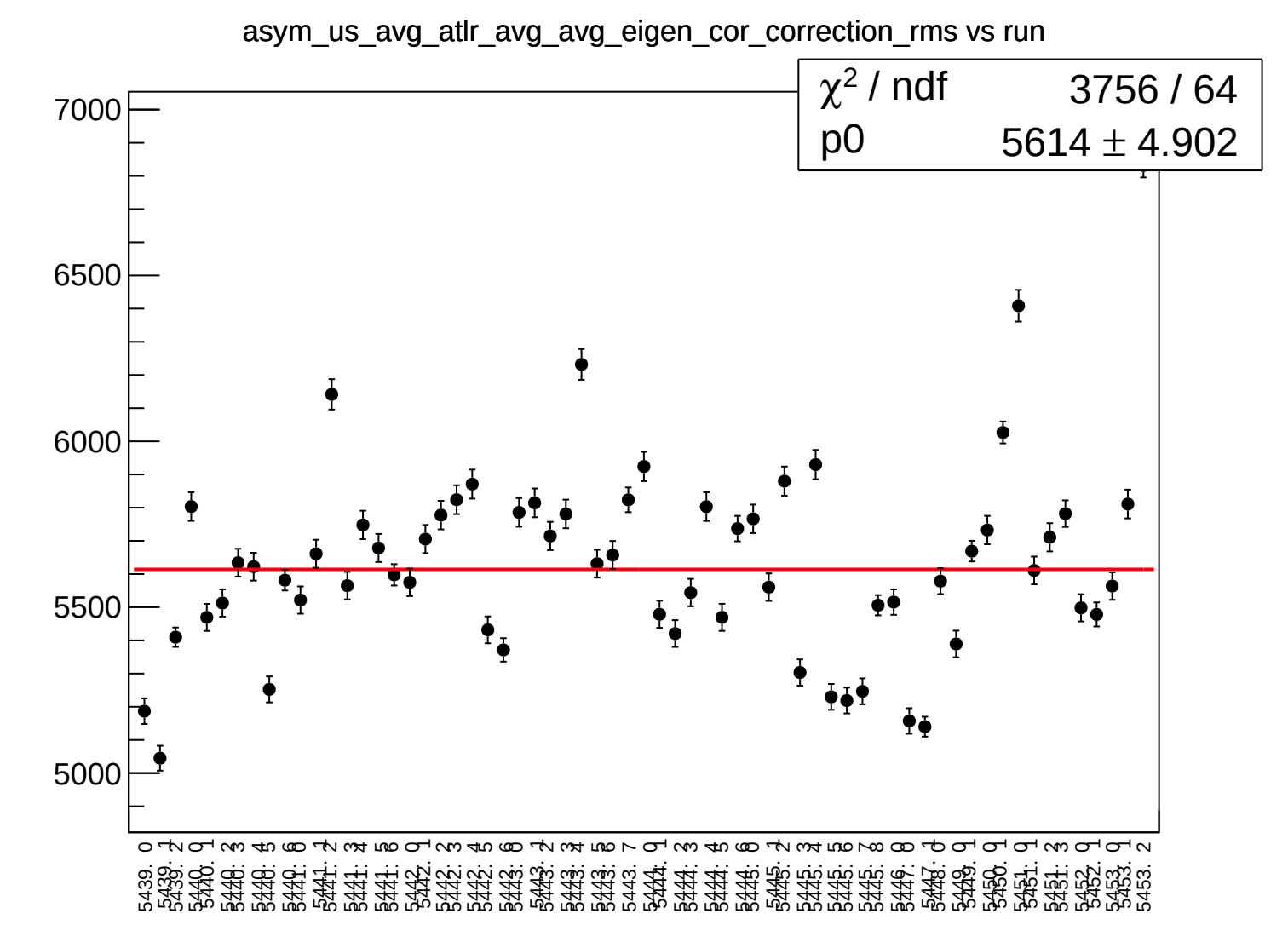

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 67.57 / 64
p0 7813 ± 4180
100
50
0
−50
−100
pull
Entries 65
Mean 65.95
Std Dev 12.3

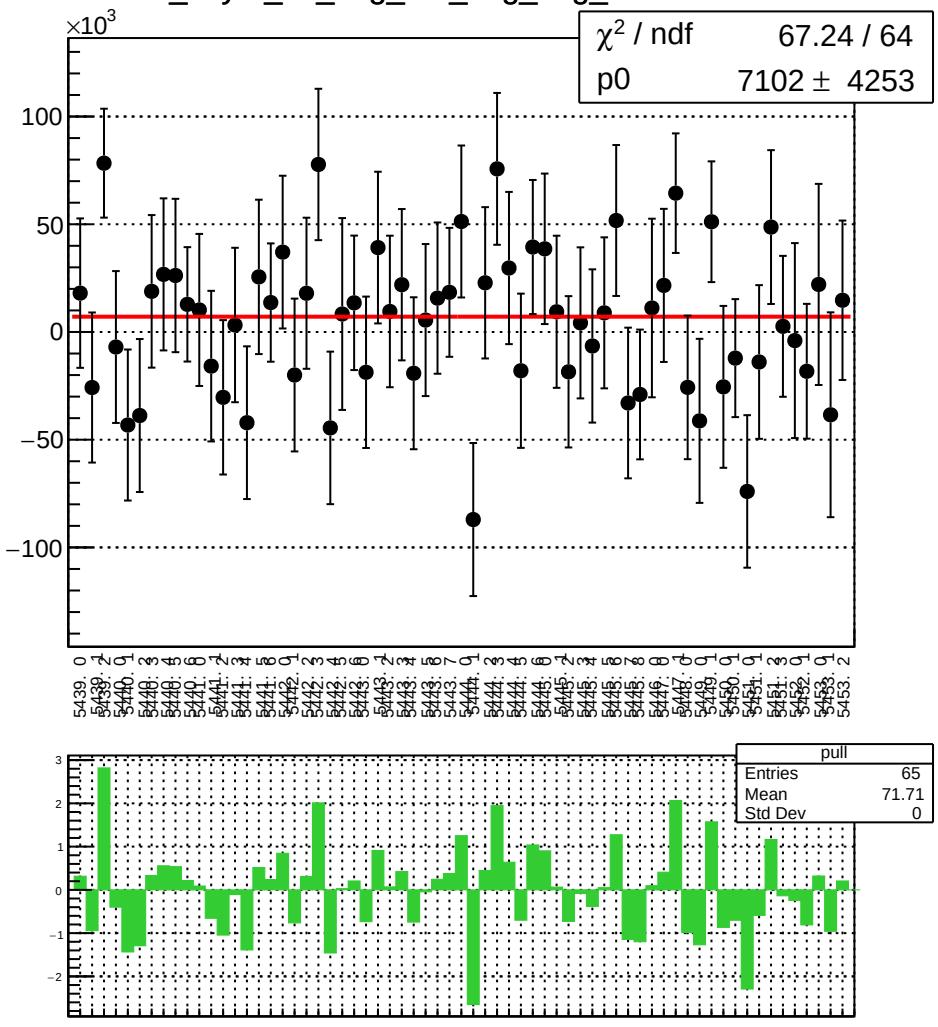

pull1D
Entries 65
Mean −0.03402
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

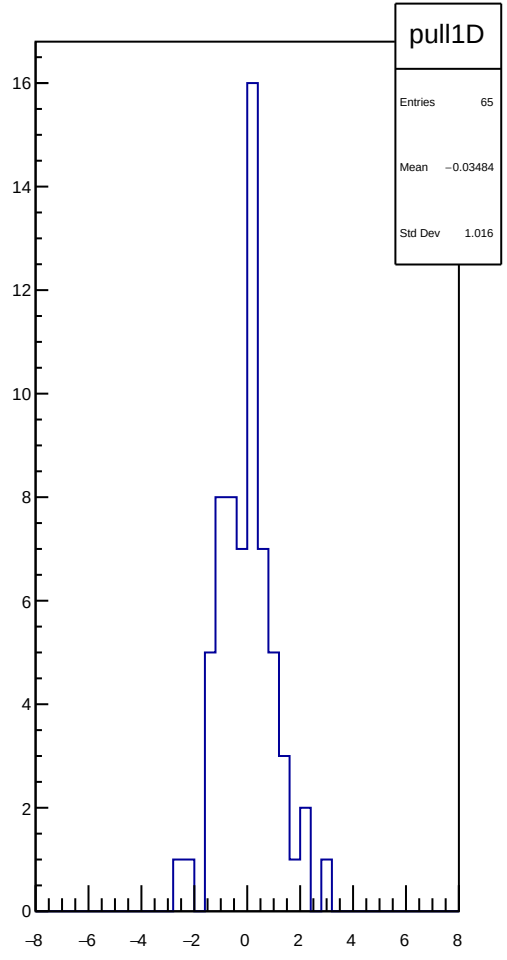

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3283 / 64
p0 3386 ± 2.956
4400
4200
4000
3800
3600
3400
3200

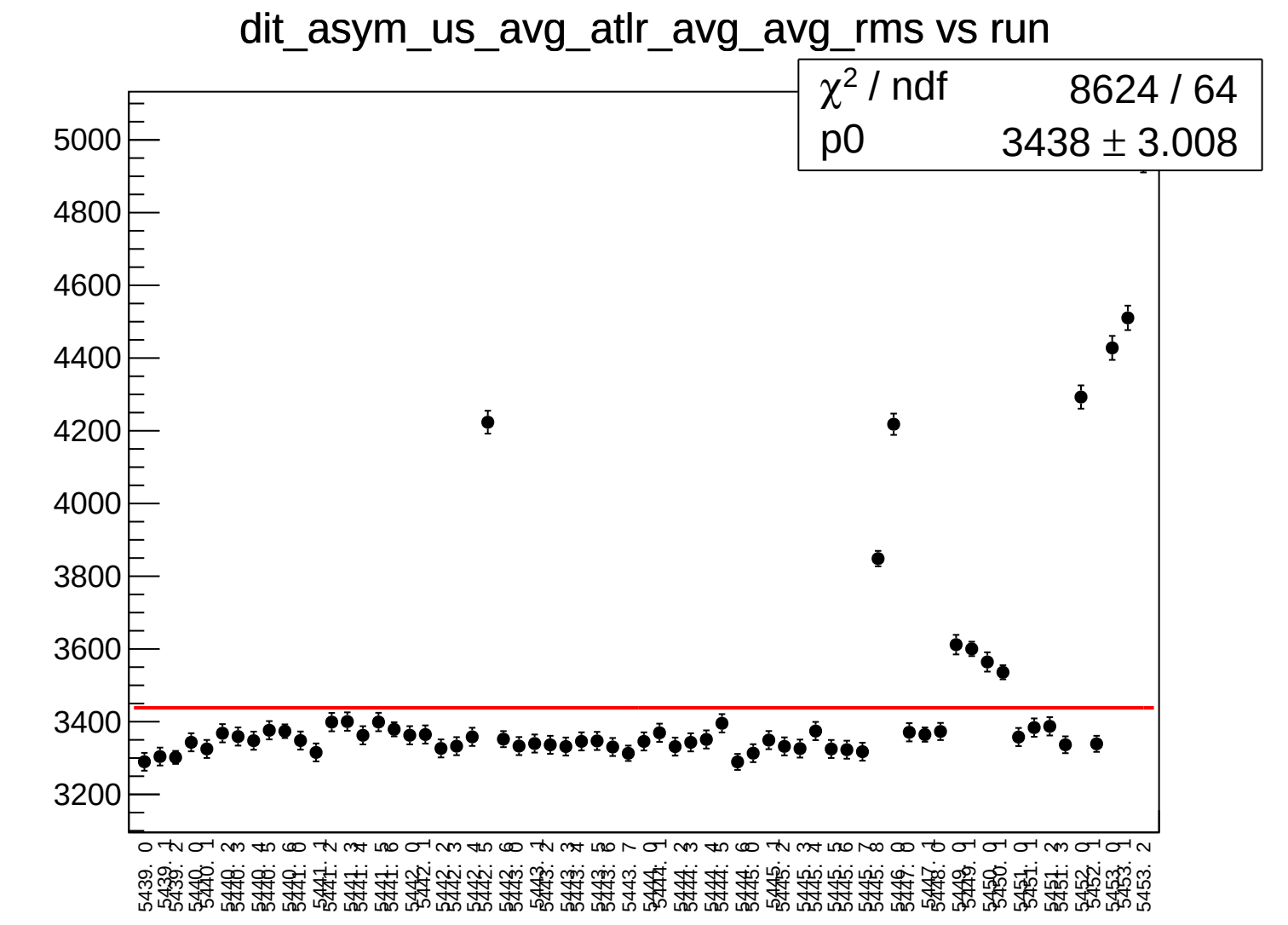

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.42 / 64
p0 −1274 ± 6932
pull
Entries 65
Mean 1.486
Std Dev 0

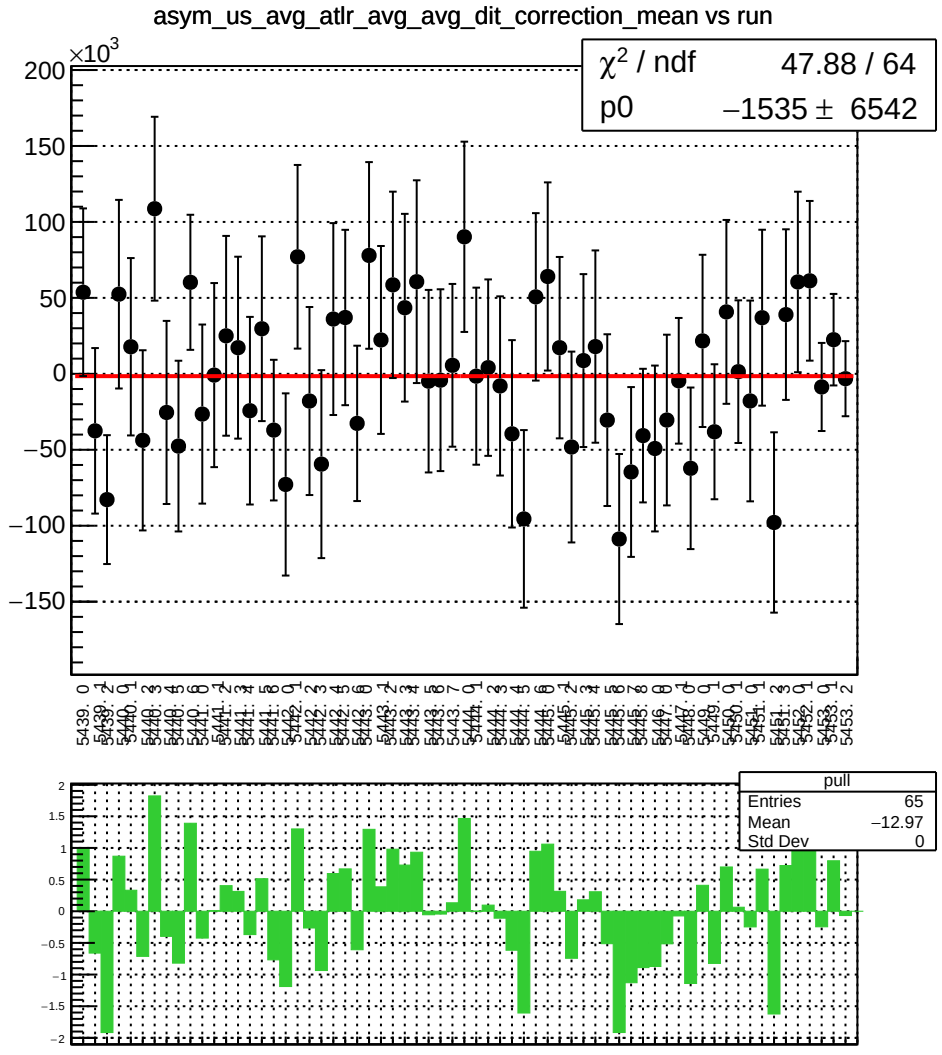

pull1D
Entries 65
Mean 0.02748
Std Dev 0.8715

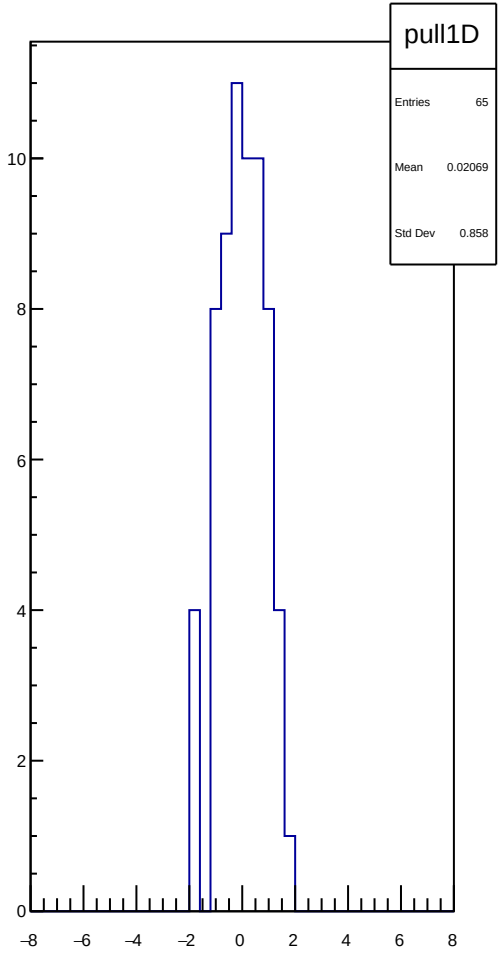

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3756 / 64
p0 5614 ± 4.902
7000
6500
6000
5500
5000

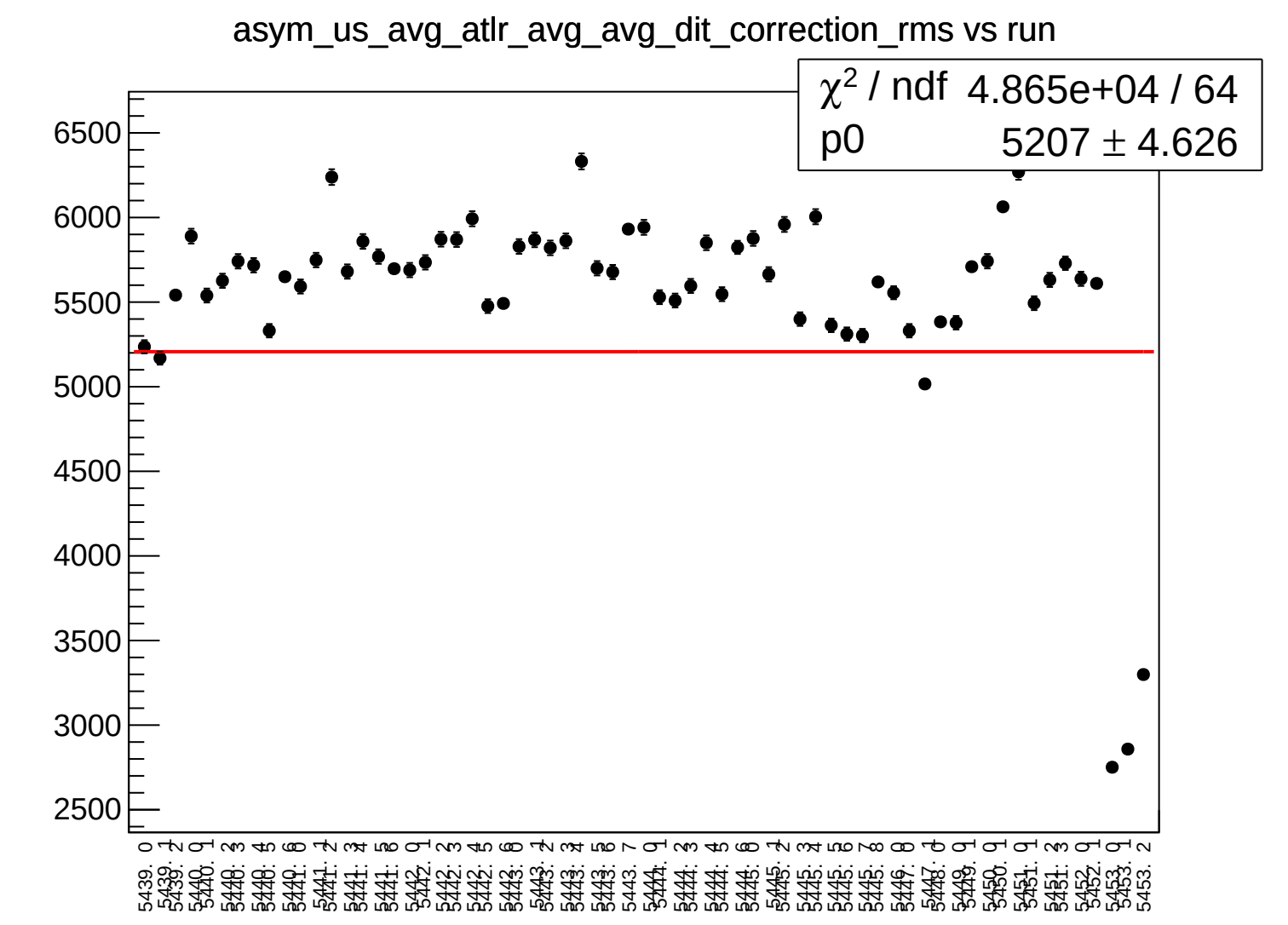

dit_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 67.24 / 64
p0 7102 ± 4253
100
50
0
−50
−100
pull
Entries 65
Mean 71.71
Std Dev 0
3
2
1
0
−1
−2

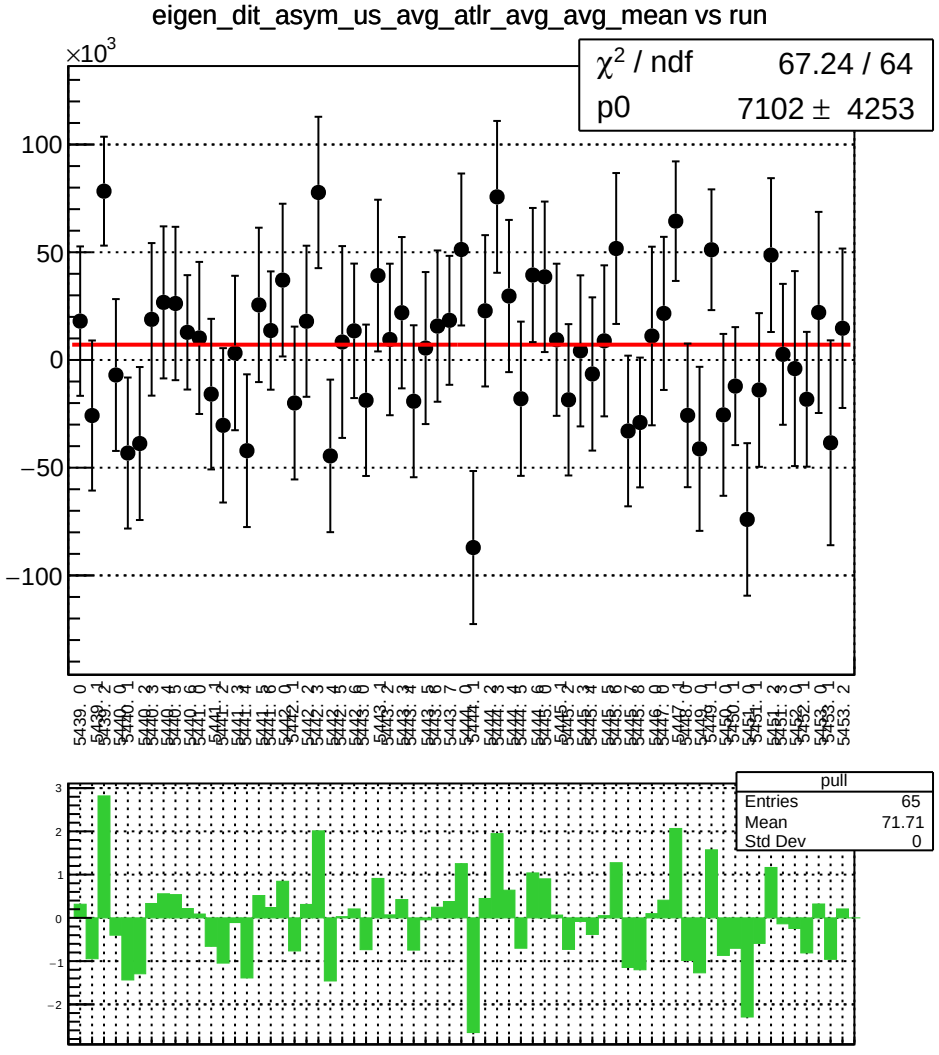

pull1D
Entries 65
Mean −0.03484
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

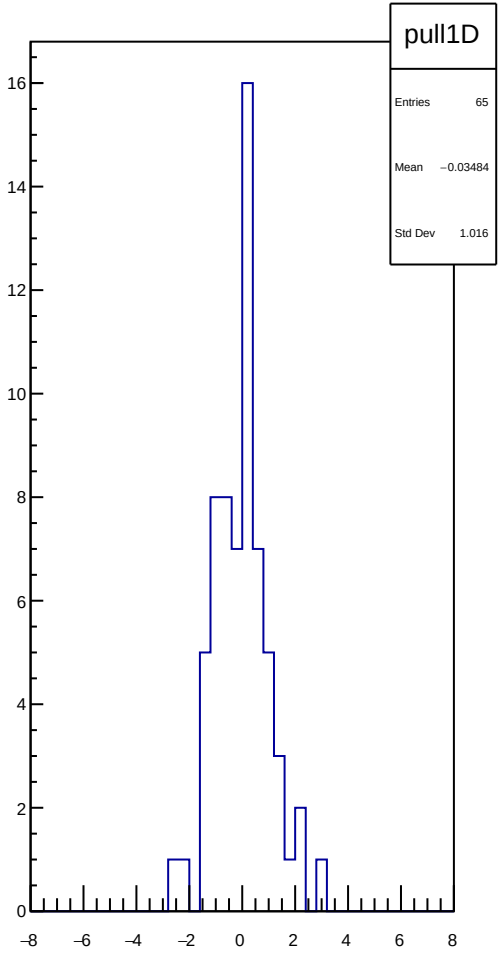

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 8624 / 64
p0 3438 ± 3.008
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

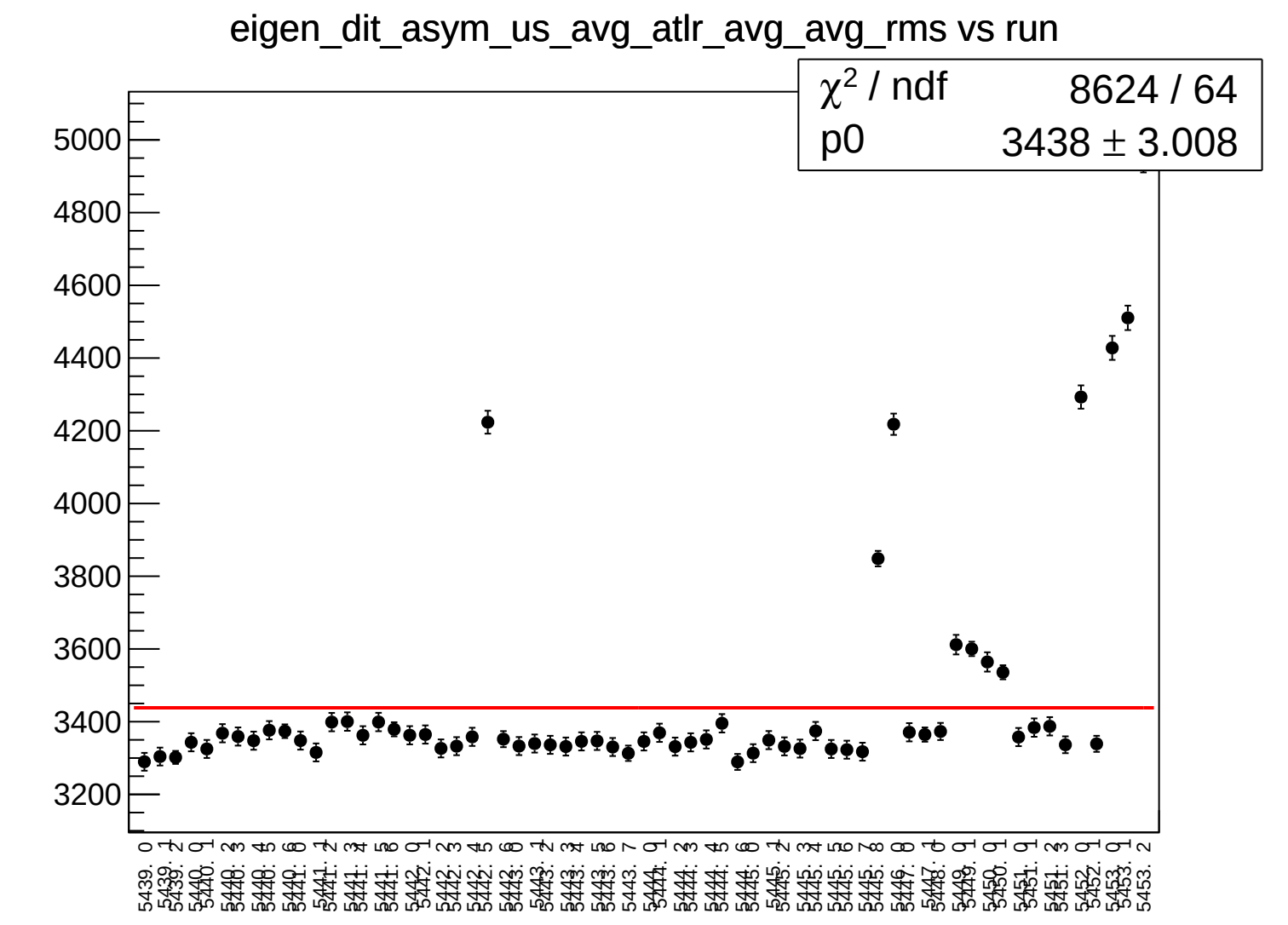

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 47.88 / 64
p0 −1535 ± 6542
pull
Entries 65
Mean −12.97
Std Dev 0

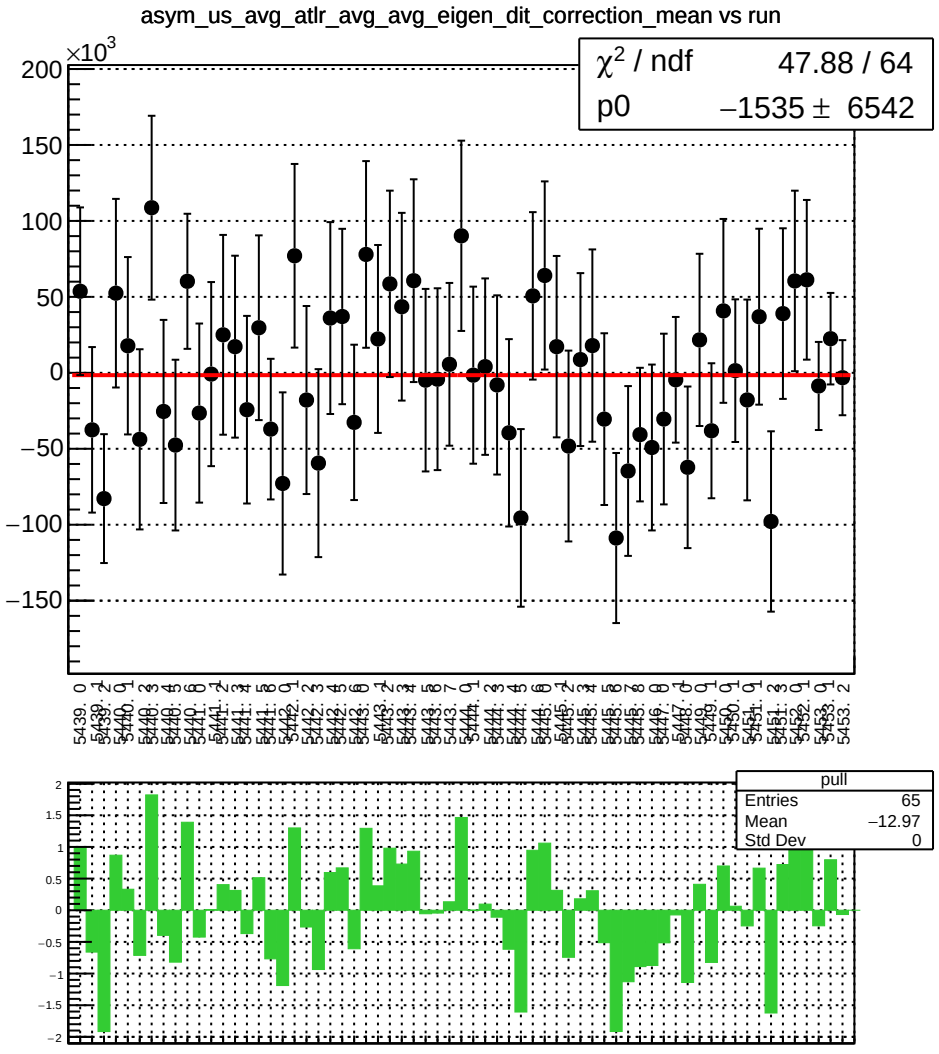

pull1D
Entries 65
Mean 0.02069
Std Dev 0.858

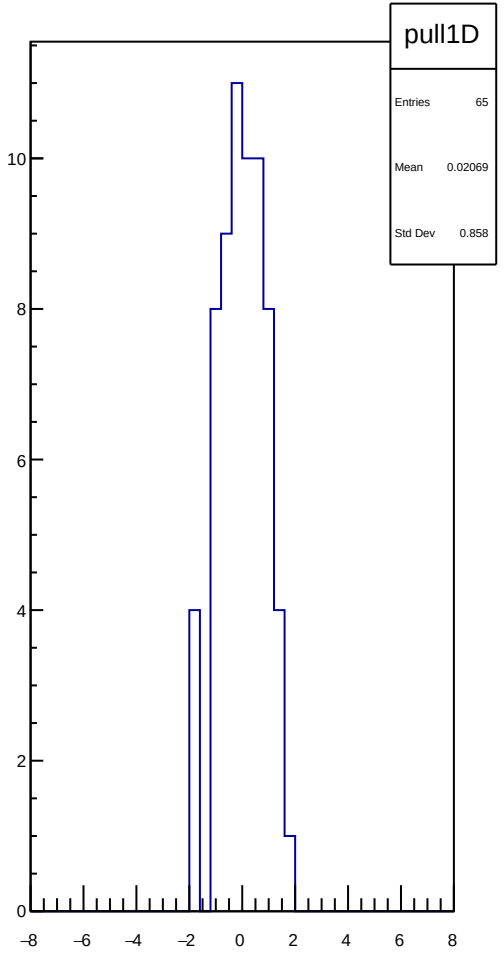

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 4.865e+04 / 64
p0 5207 ± 4.626
6500
6000
5500
5000
4500
4000
3500
3000
2500

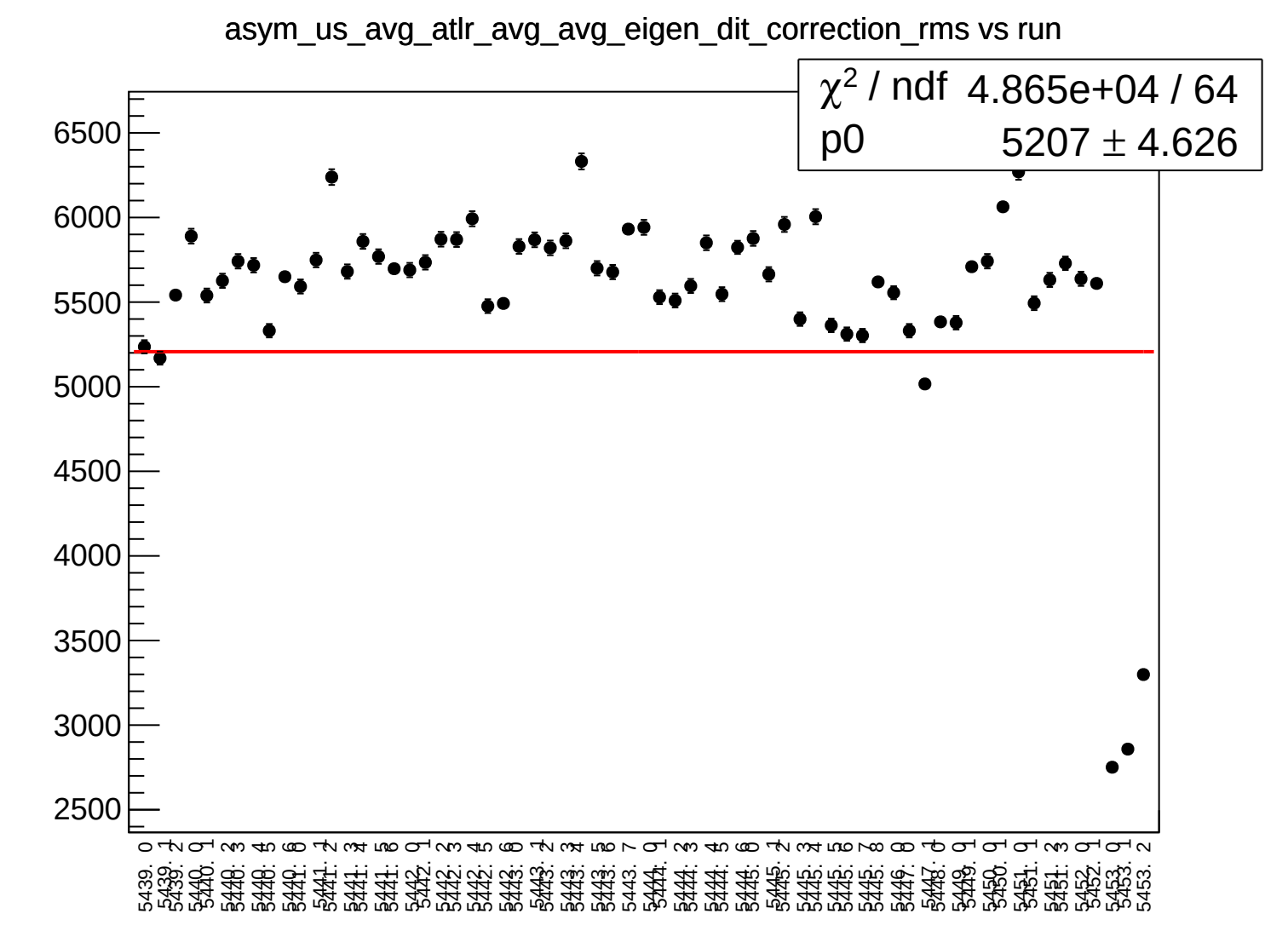

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 67.24 / 64
p0 7102 ± 4253
100
50
0
−50
−100
pull
Entries 65
Mean 71.71
Std Dev 0
3
2
1
0
−1
−2

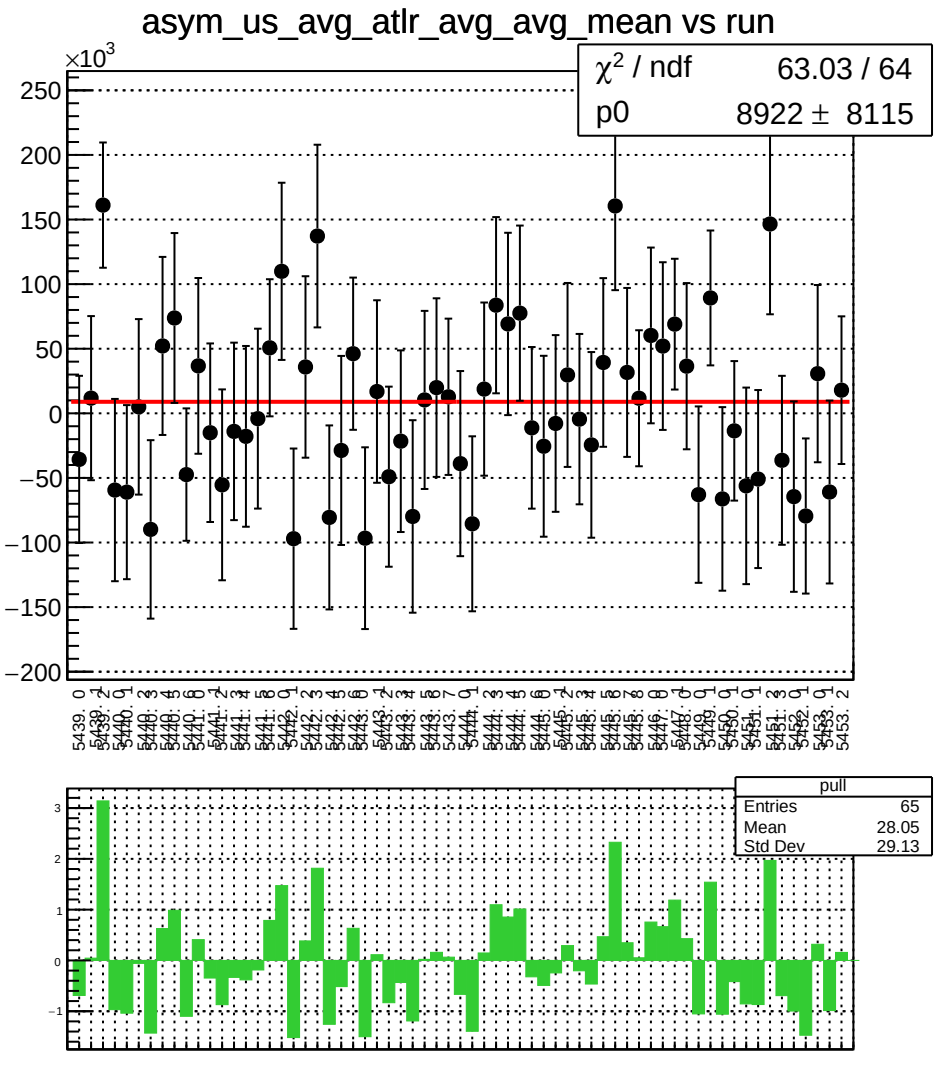

pull1D
Entries 65
Mean −0.03484
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

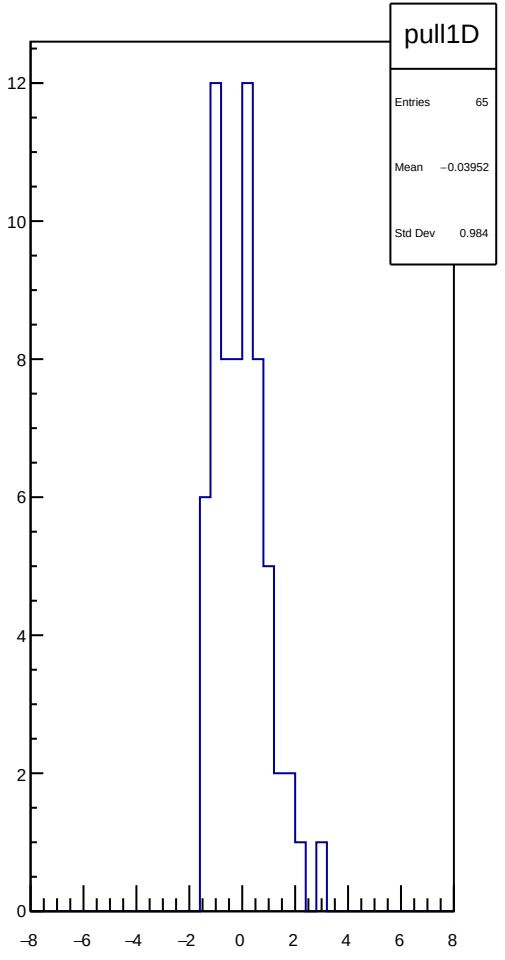

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 8624 / 64
p0 3438 ± 3.008
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

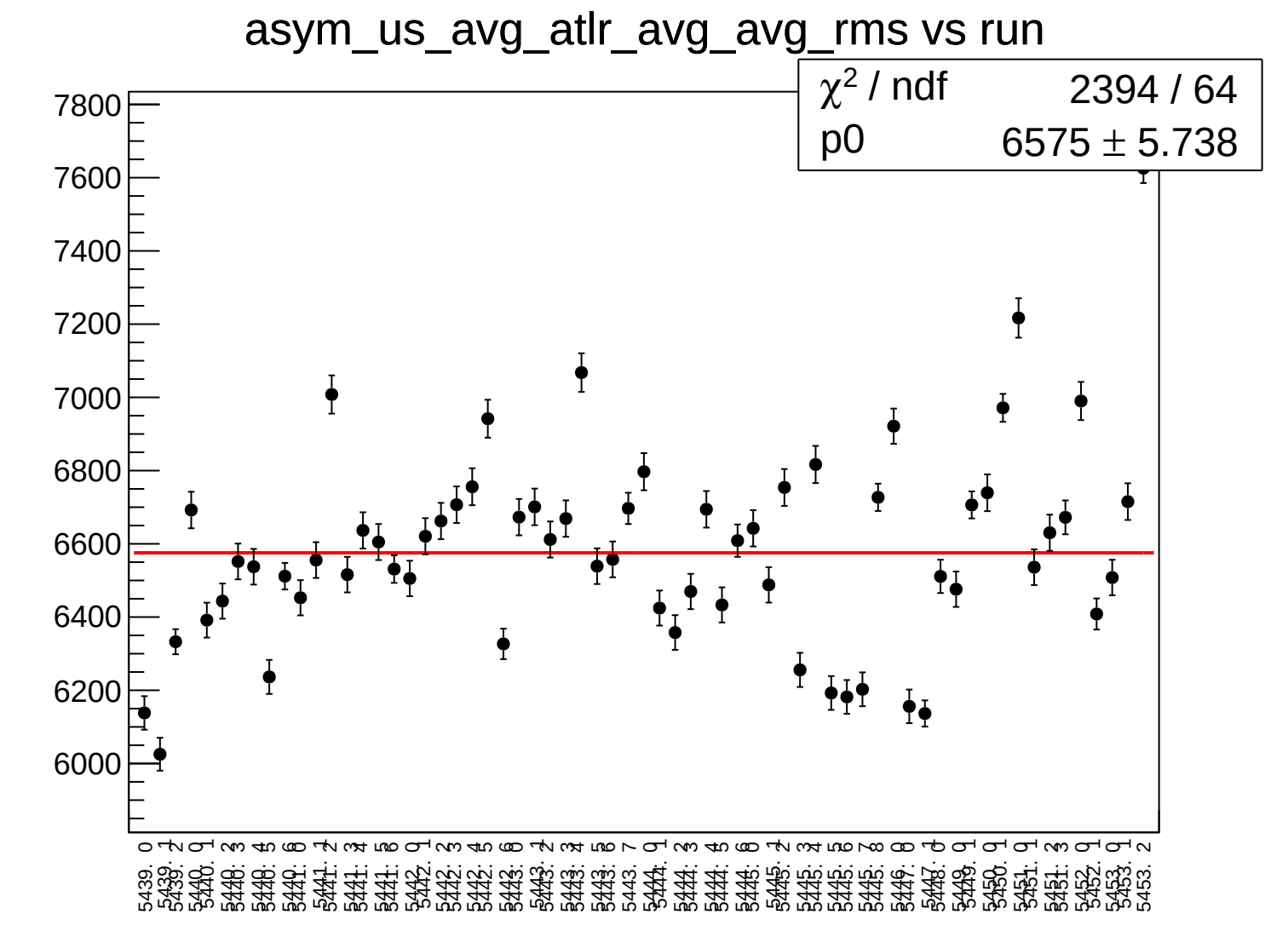

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.88 / 64
p0 −1535 ± 6542
pull
Entries 65
Mean −12.97
Std Dev 0

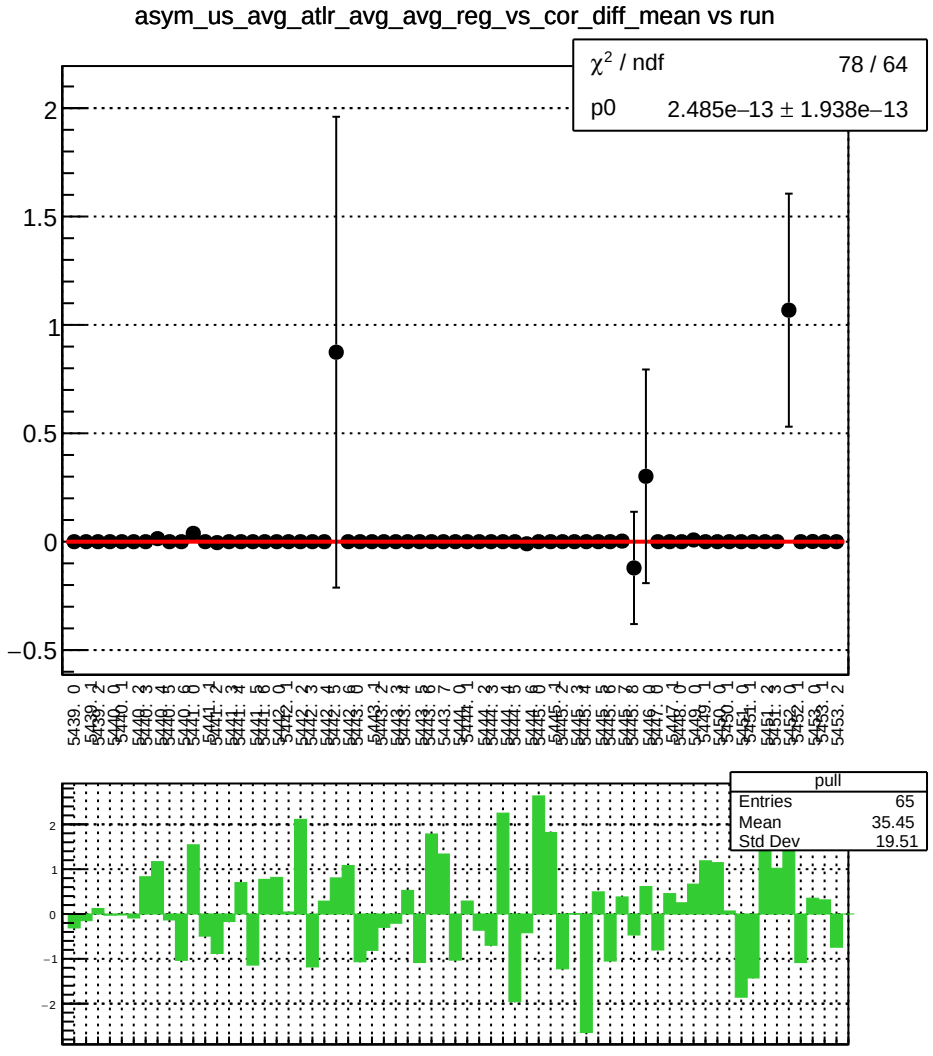

pull1D
Entries 65
Mean 0.02069
Std Dev 0.858

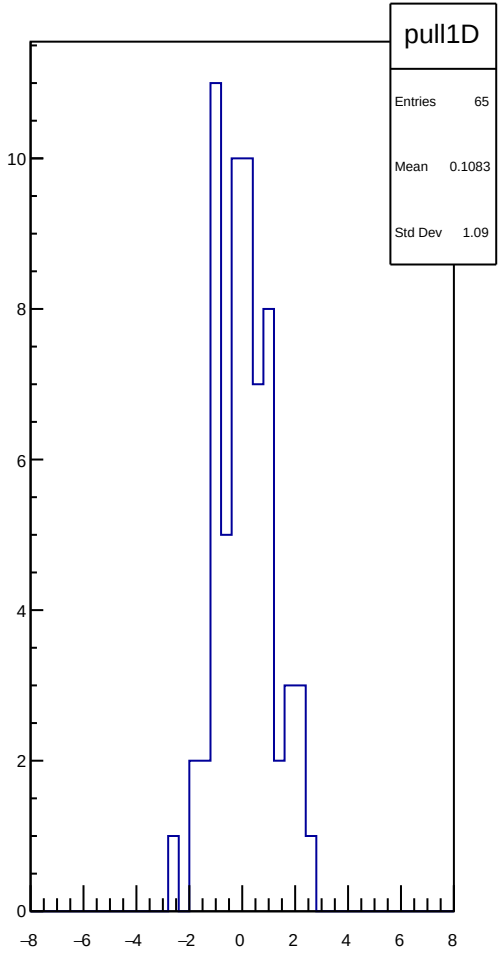

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.865e+04 / 64
p0 5207 ± 4.626
6500
6000
5500
5000
4500
4000
3500
3000
2500

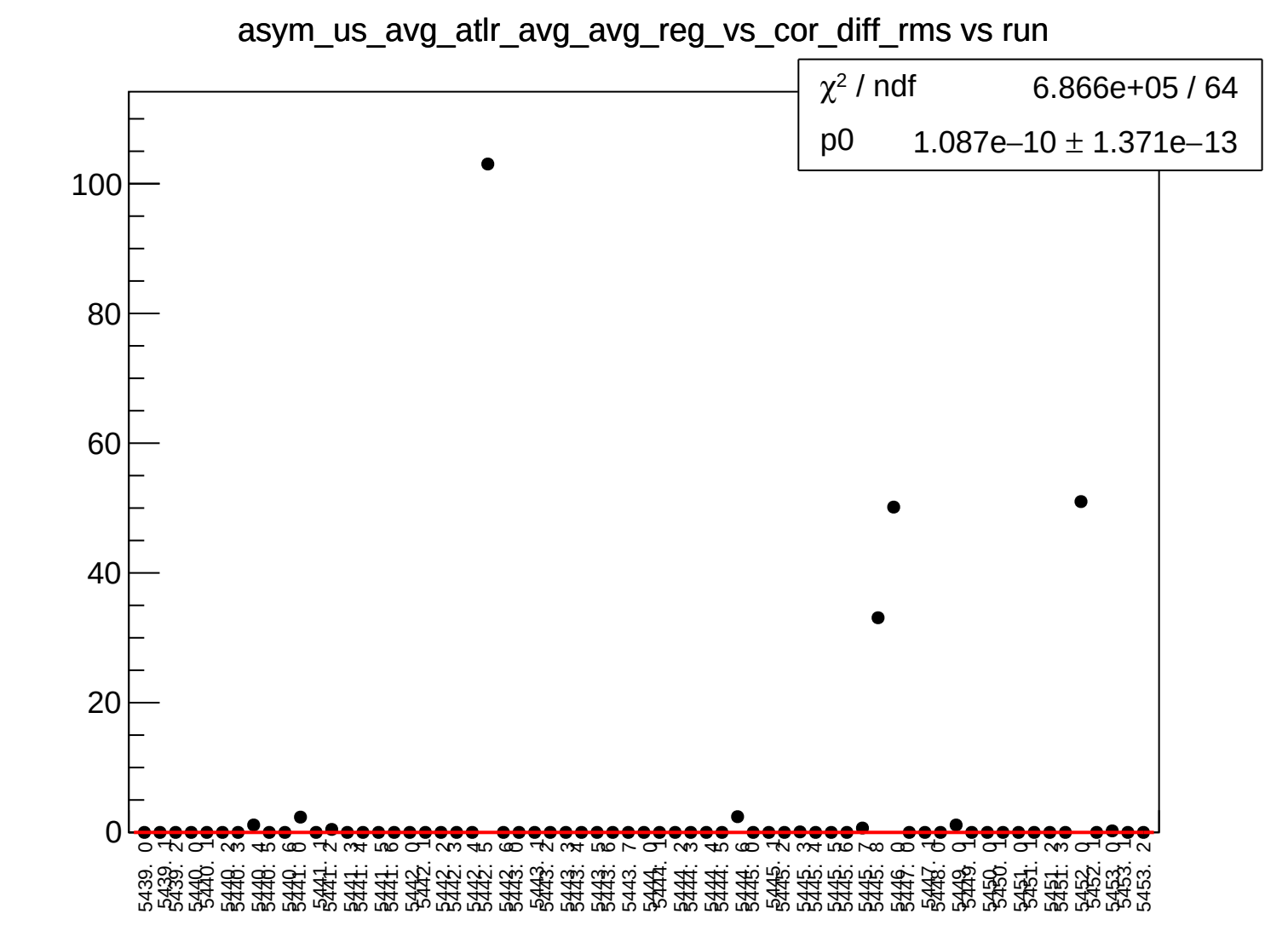

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 63.03 / 64
p0 8922 ± 8115
pull
Entries 65
Mean 28.05
Std Dev 29.13

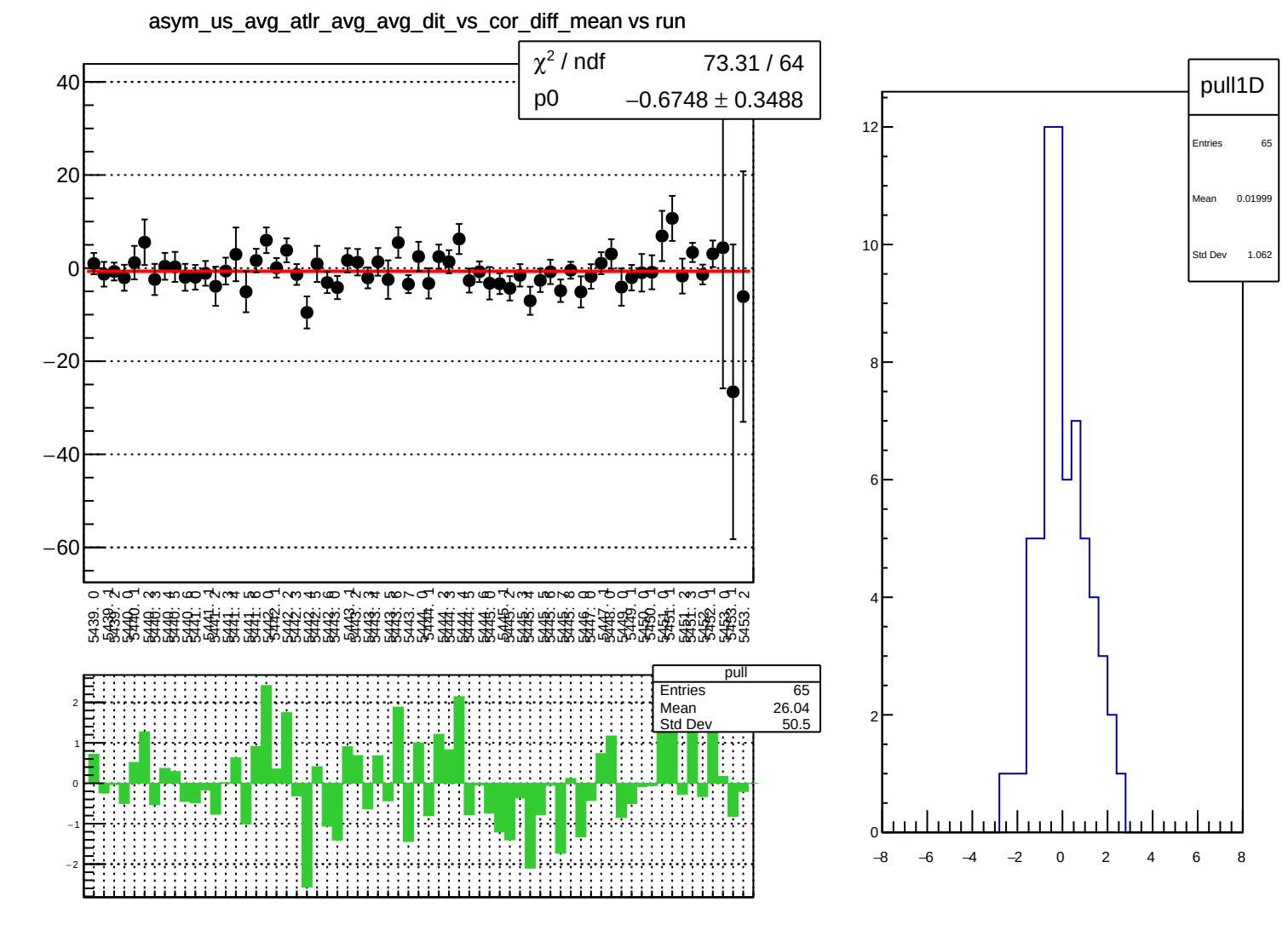

pull1D
Entries 65
Mean −0.03952
Std Dev 0.984

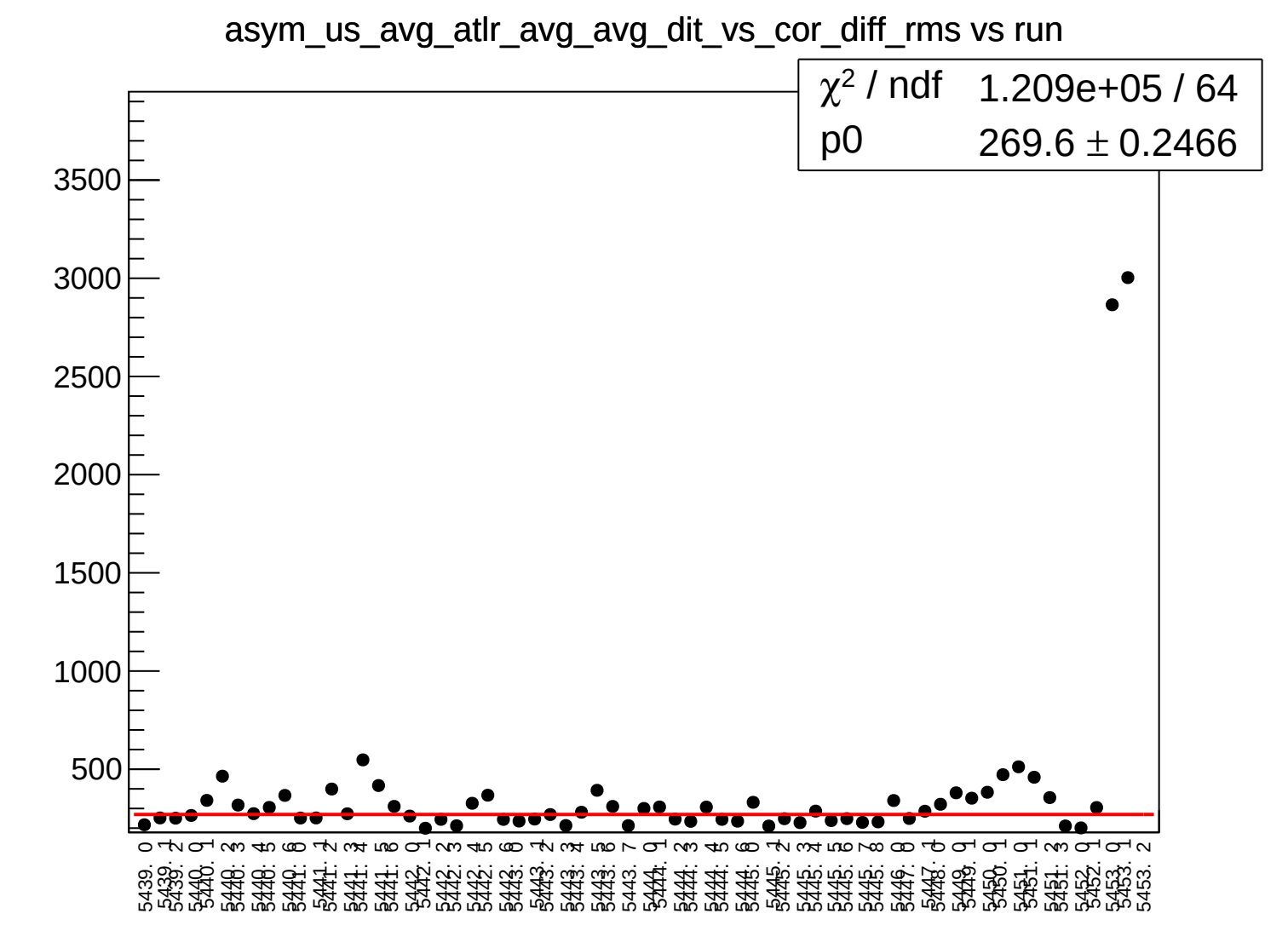

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2394 / 64
p0 6575 ± 5.738
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000

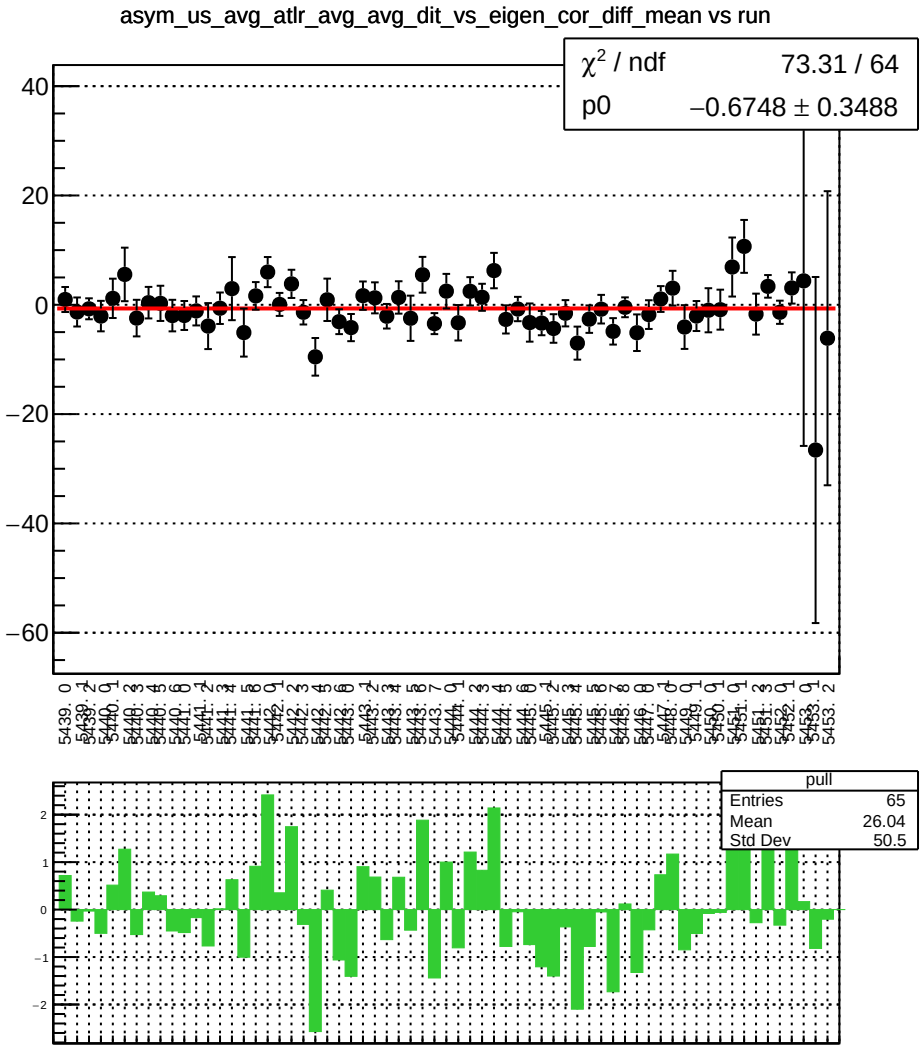

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 78 / 64
p0 2.485e−13 ± 1.938e−13
pull
Entries 65
Mean 35.45
Std Dev 19.51

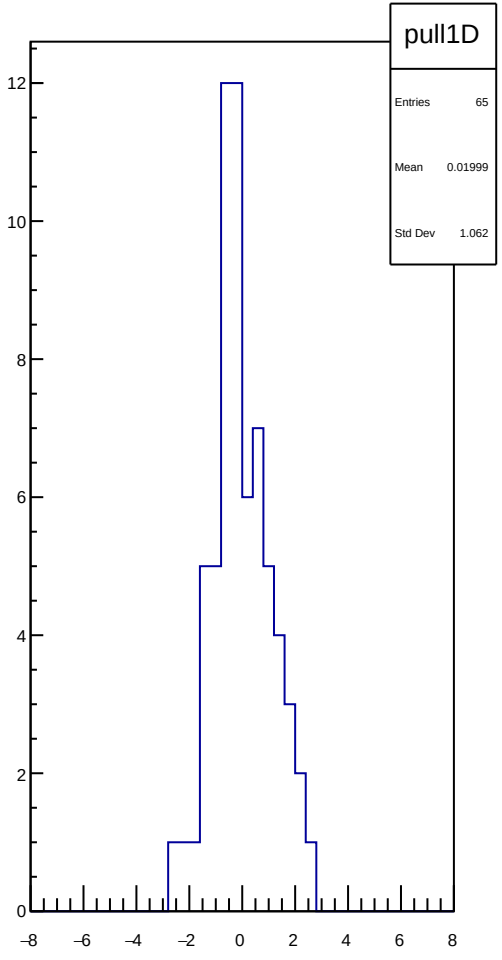

pull1D
Entries 65
Mean 0.1083
Std Dev 1.09

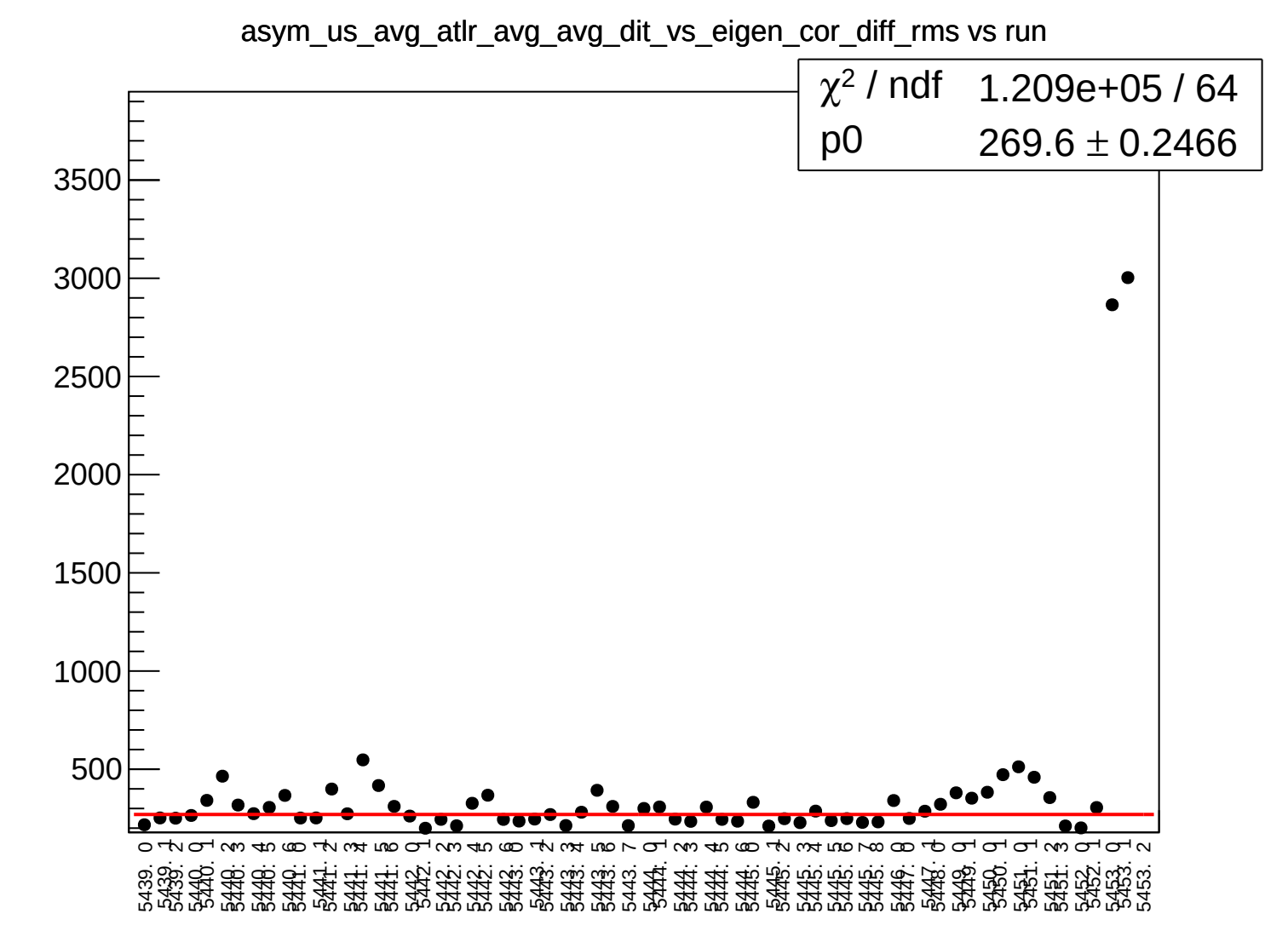

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.866e+05 / 64
p0 1.087e−10 ± 1.371e−13
100
80
60
40
20
0

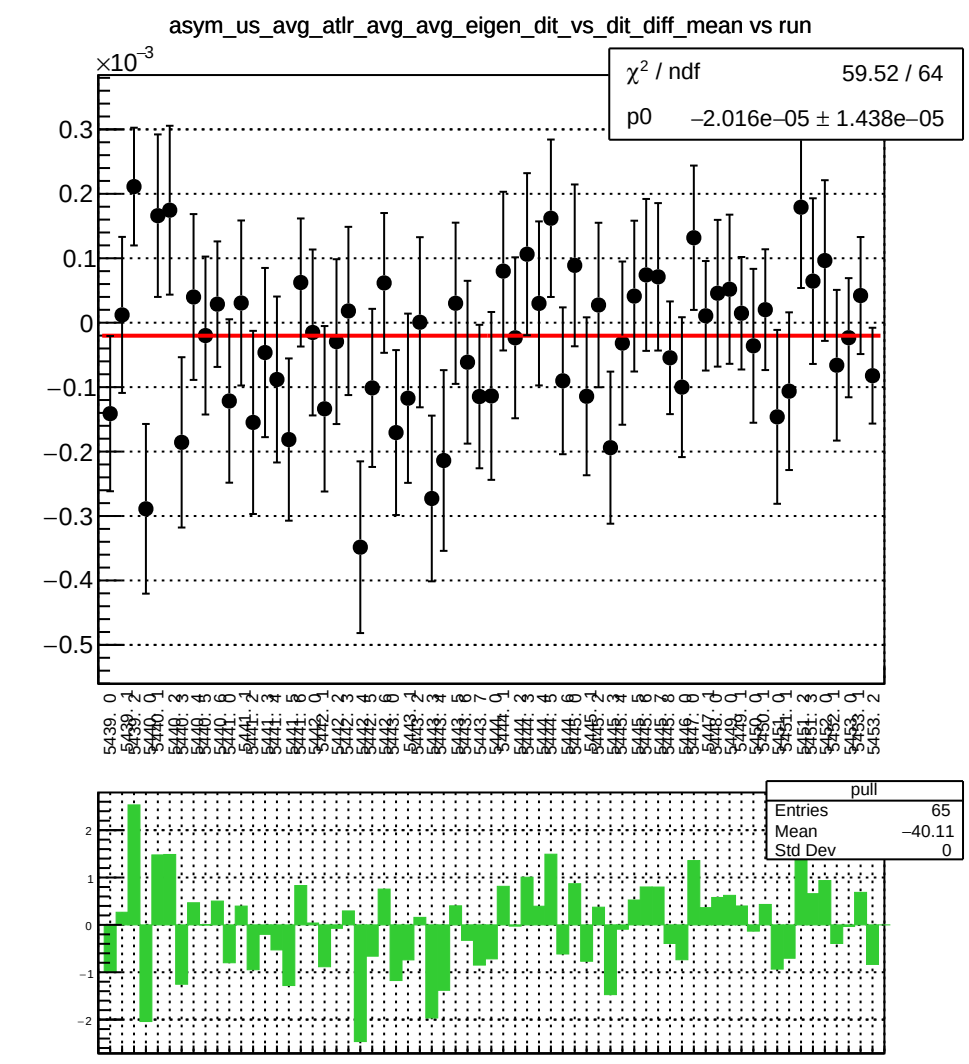

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.31 / 64
p0 −0.6748 ± 0.3488
pull
Entries 65
Mean 26.04
Std Dev 50.5
pull1D
Entries 65
Mean 0.01999
Std Dev 1.062

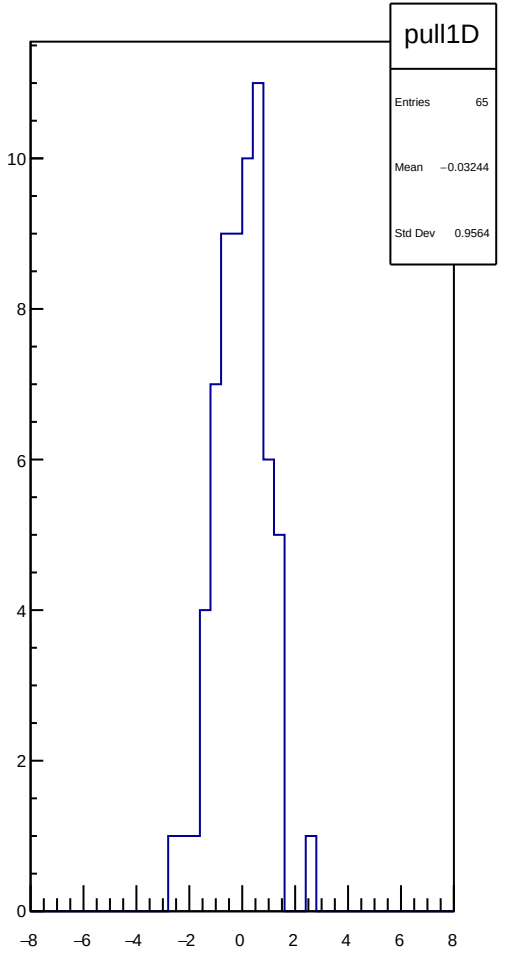

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.209e+05 / 64
p0 269.6 ± 0.2466
3500
3000
2500
2000
1500
1000
500

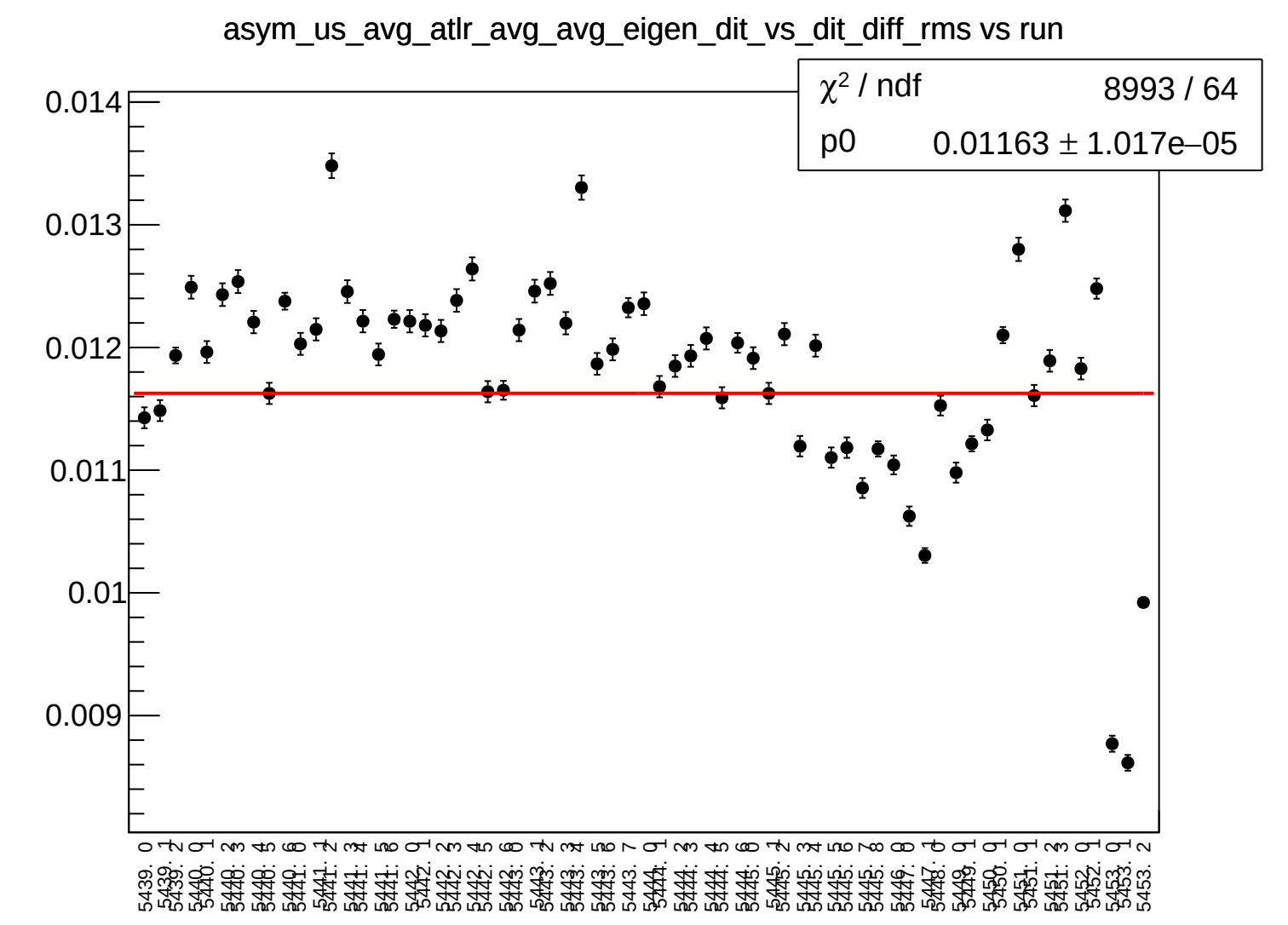

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.31 / 64
p0 −0.6748 ± 0.3488
pull
Entries 65
Mean 26.04
Std Dev 50.5

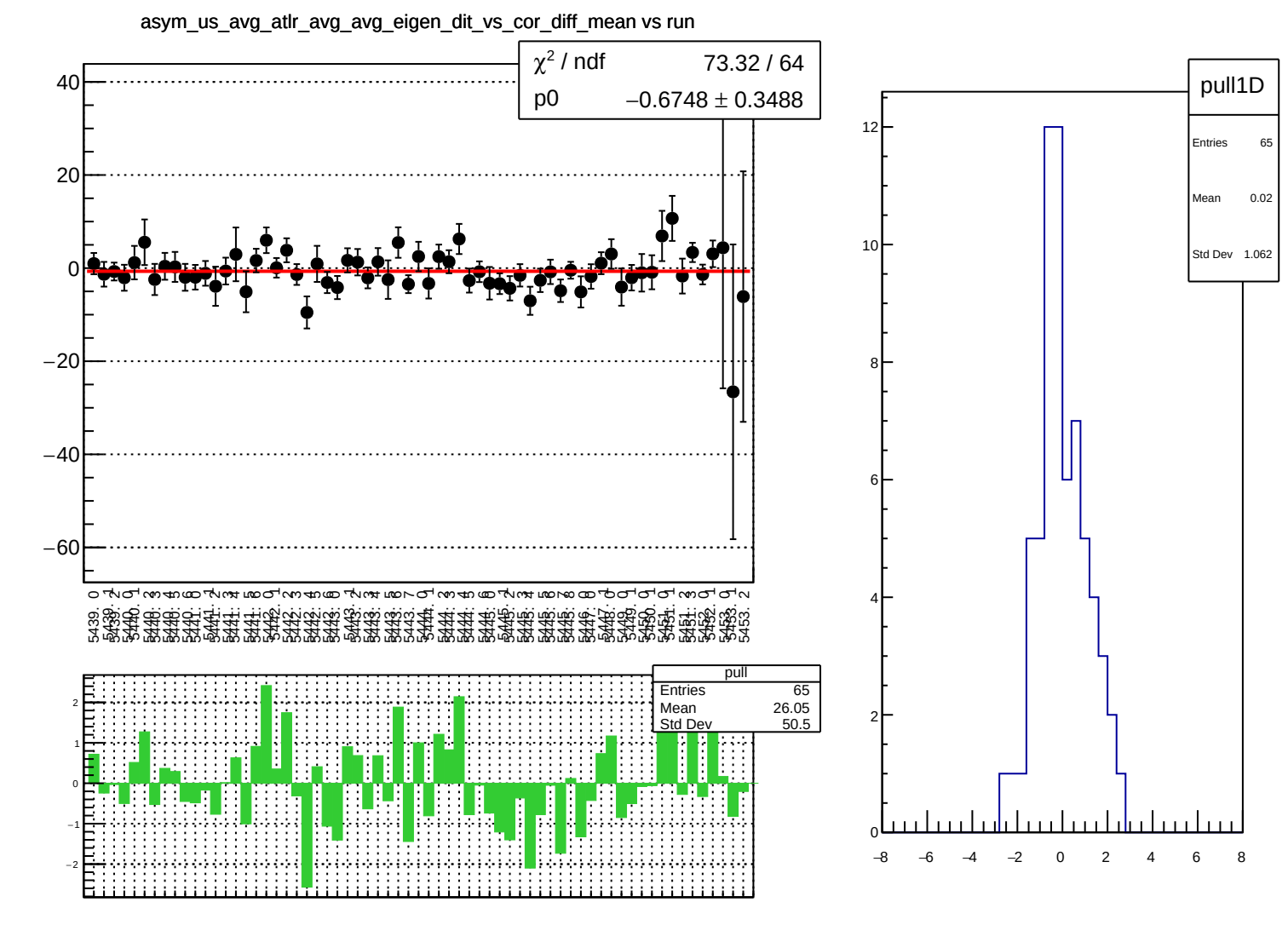

pull1D
Entries 65
Mean 0.01999
Std Dev 1.062

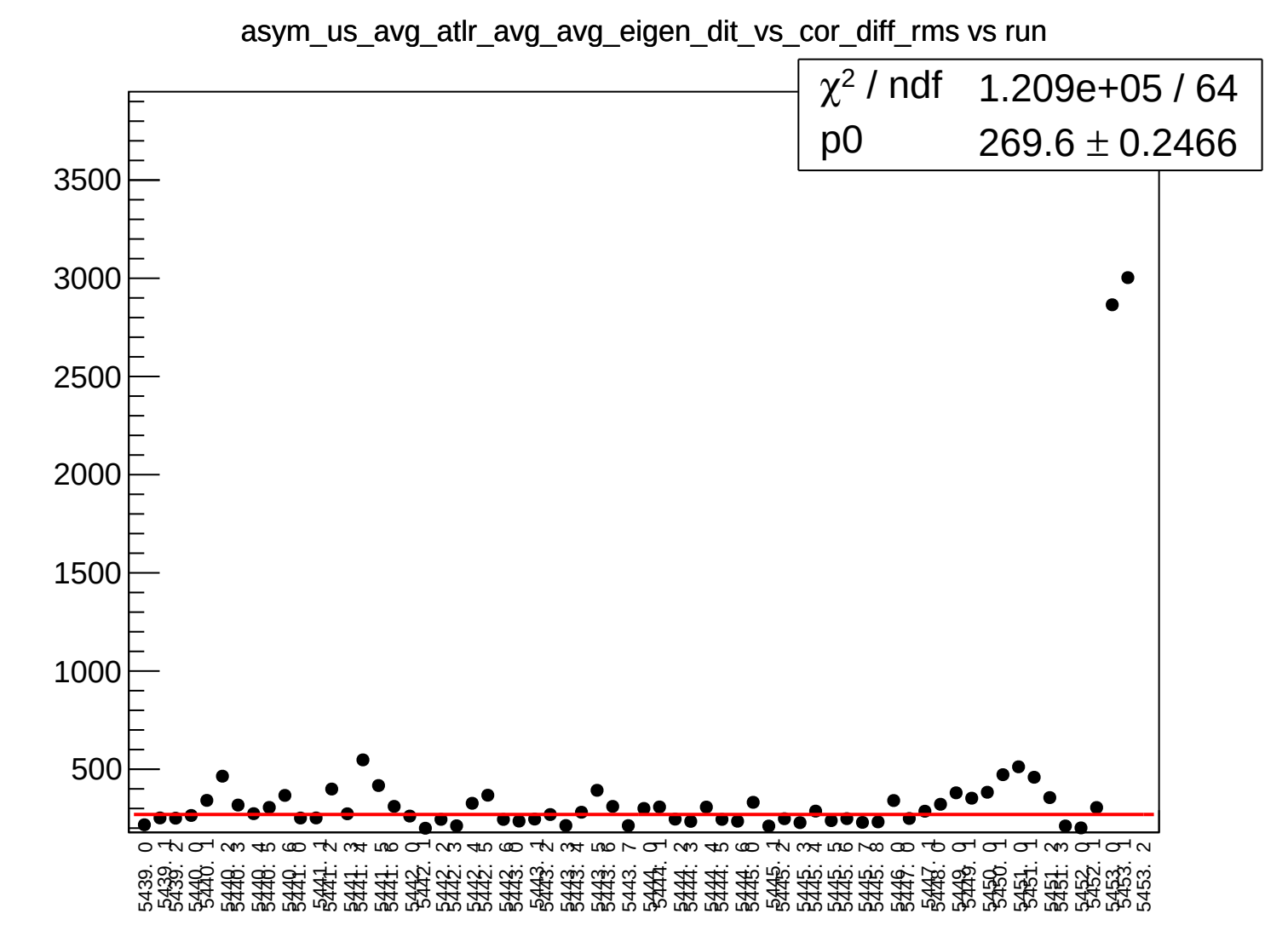

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.209e+05 / 64
p0 269.6 ± 0.2466
3500
3000
2500
2000
1500
1000
500

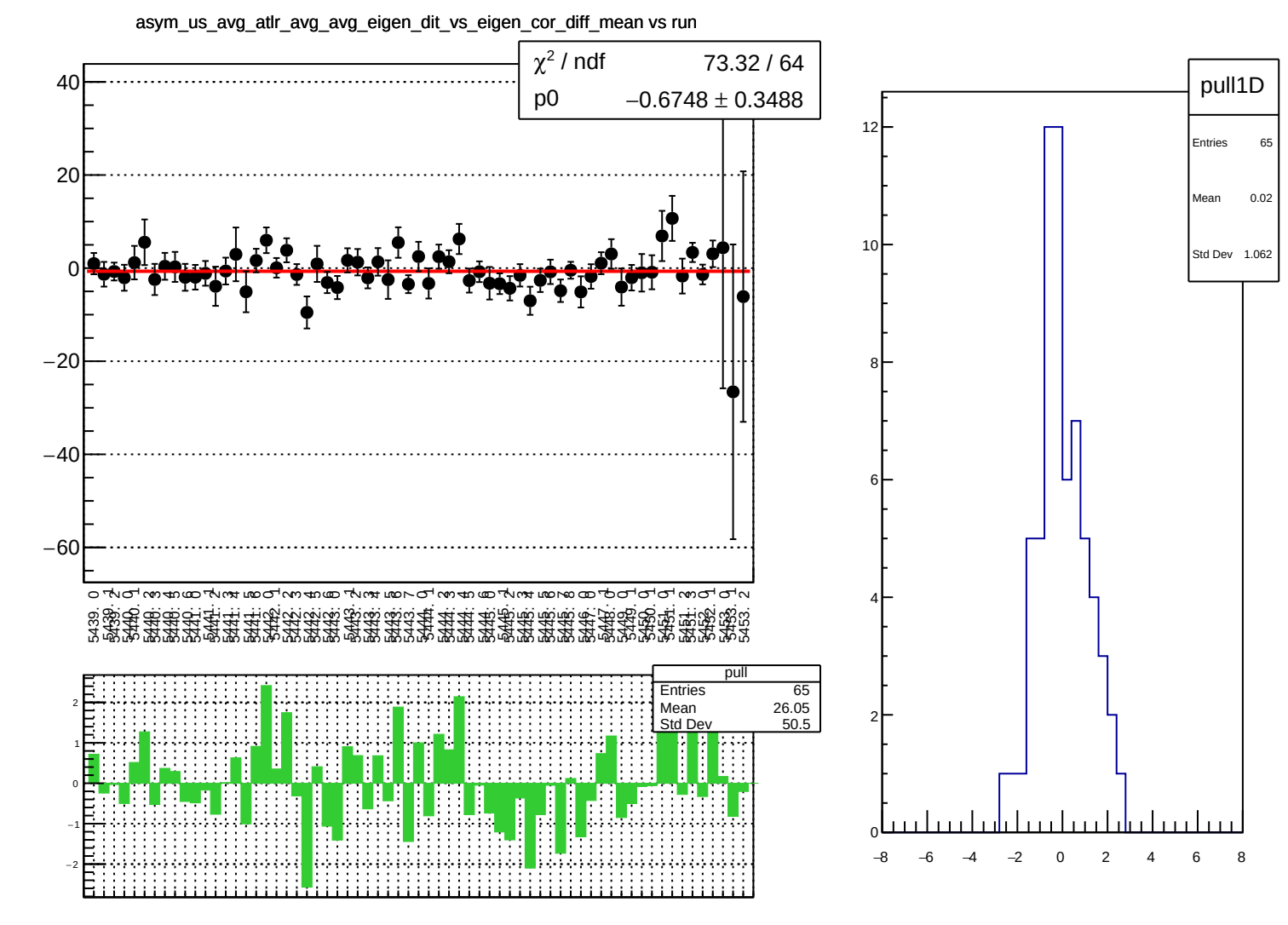

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.52 / 64
p0 −2.016e−05 ± 1.438e−05
pull
Entries 65
Mean −40.11
Std Dev 0

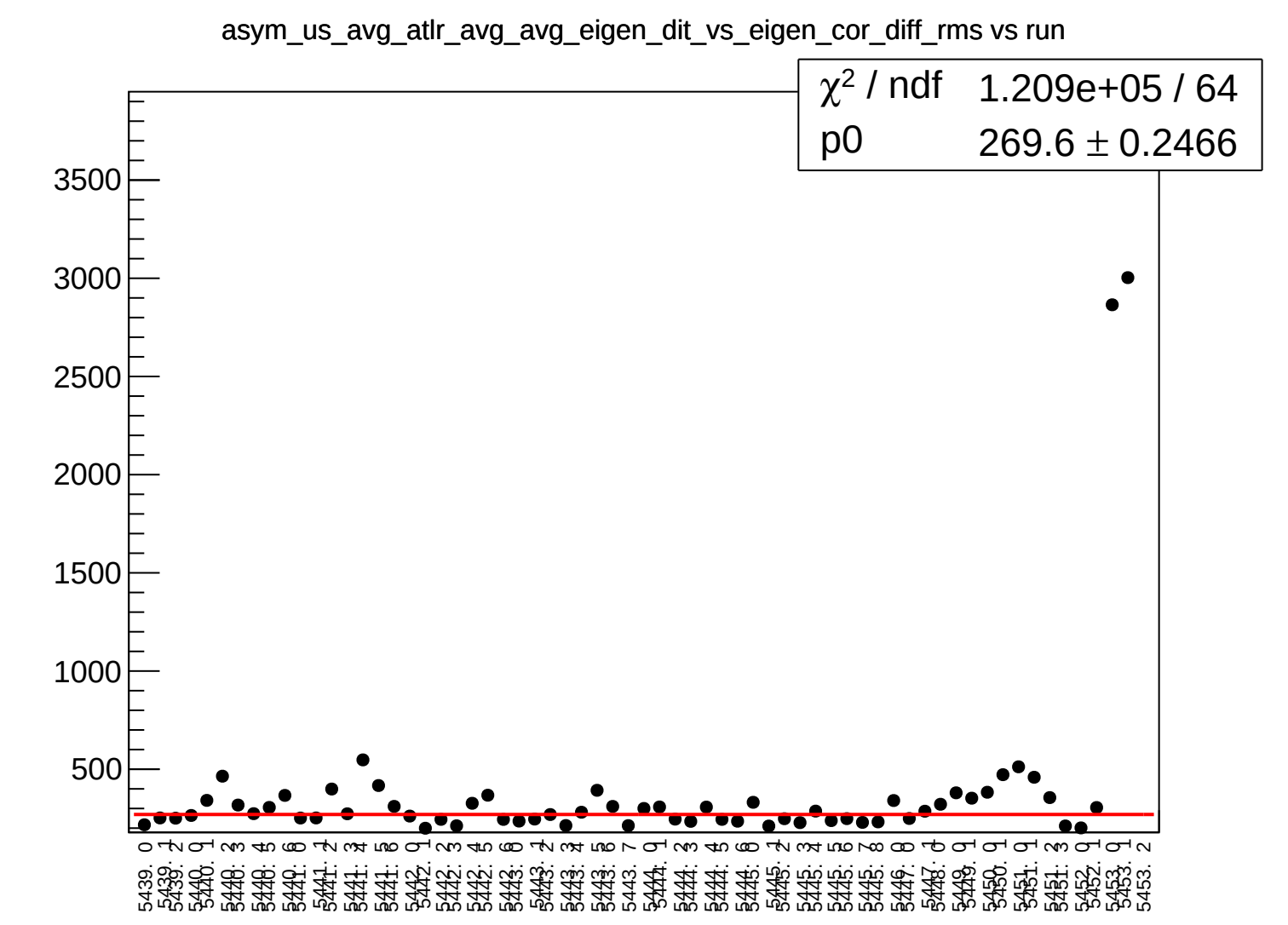

pull1D
Entries 65
Mean −0.03244
Std Dev 0.9564

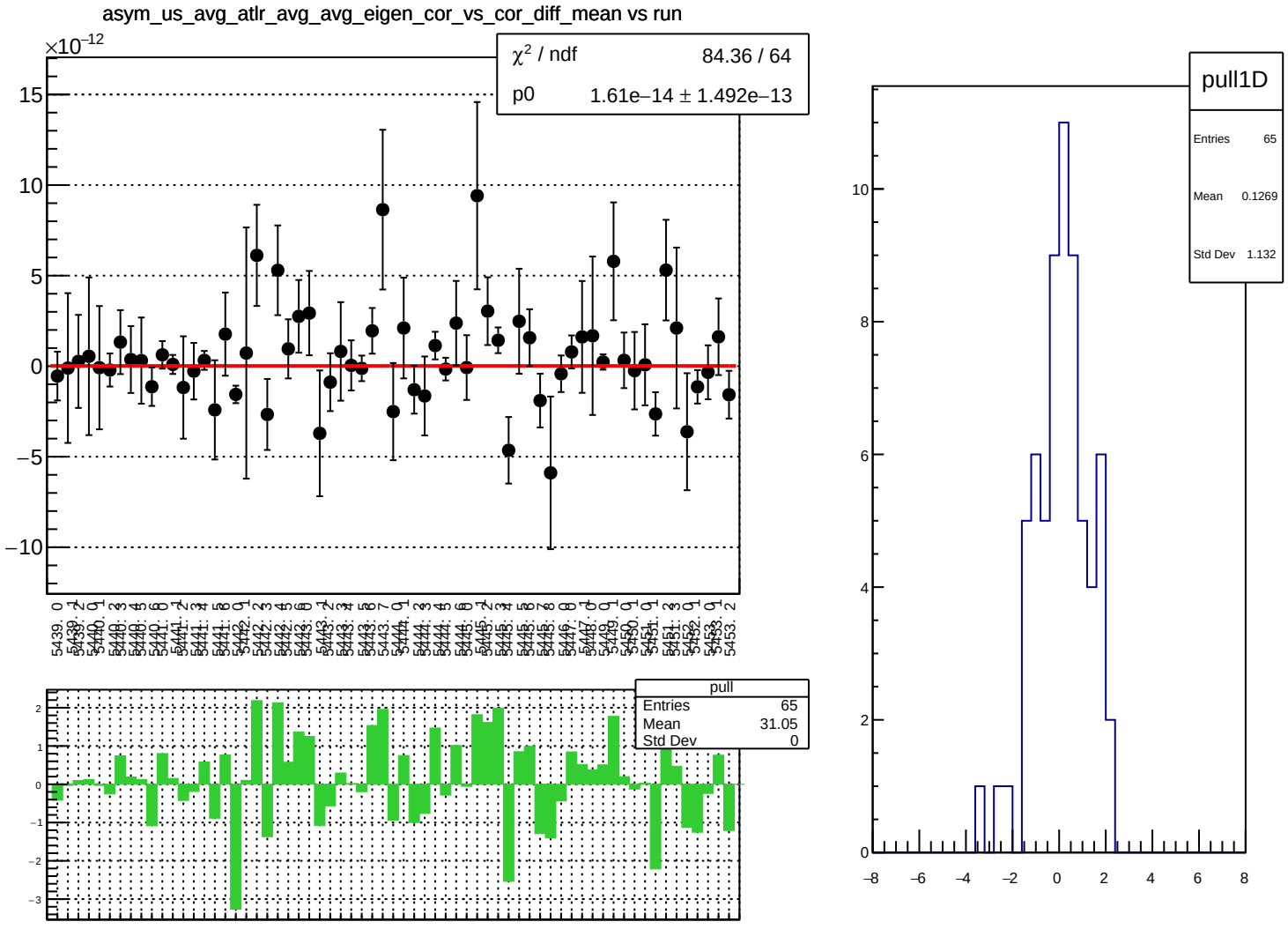

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8993 / 64
p0 0.01163 ± 1.017e−05
0.014
0.013
0.012
0.011
0.01
0.009

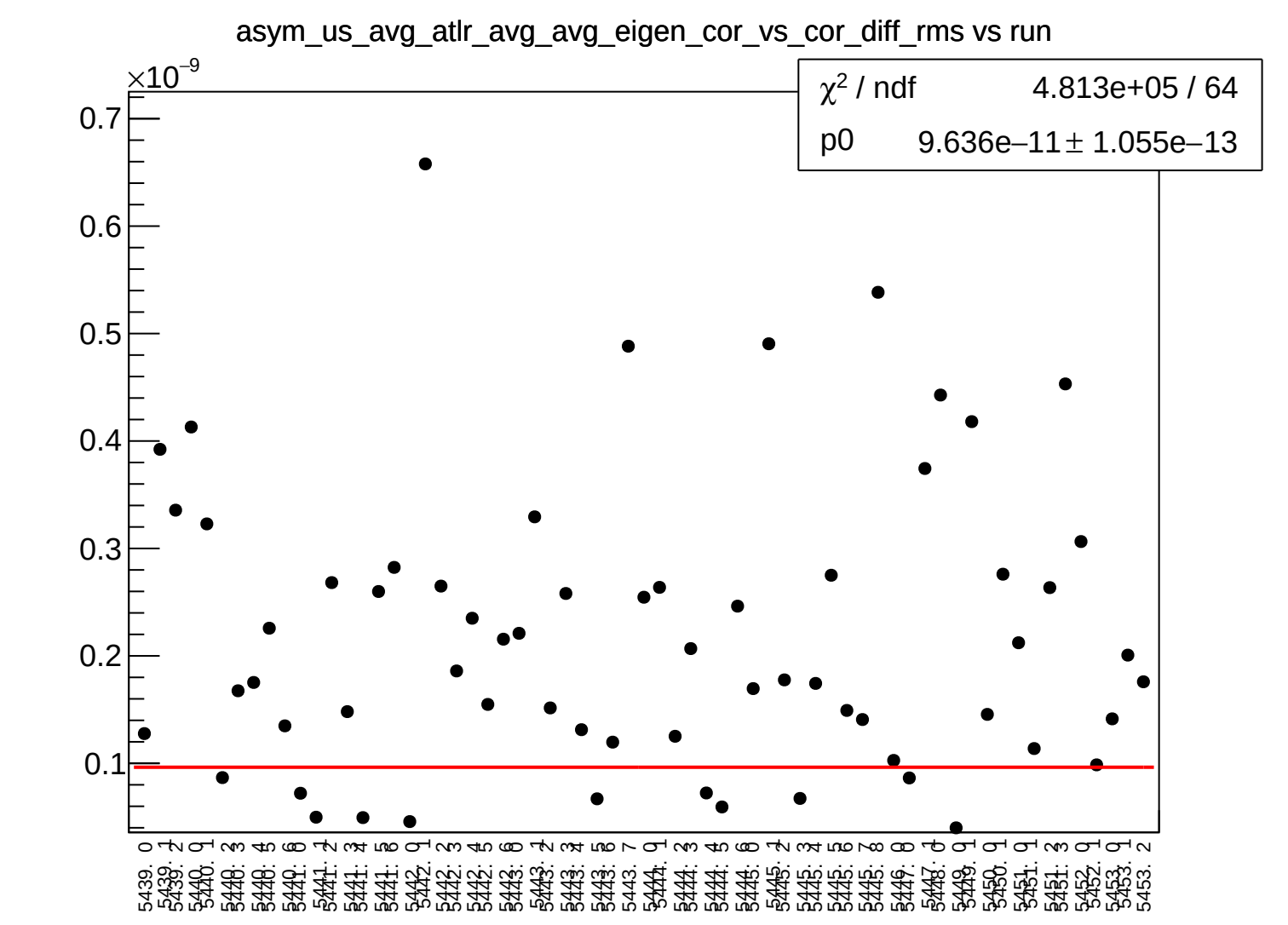

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.32 / 64
p0 −0.6748 ± 0.3488
pull
Entries 65
Mean 26.05
Std Dev 50.5
pull1D
Entries 65
Mean 0.02
Std Dev 1.062

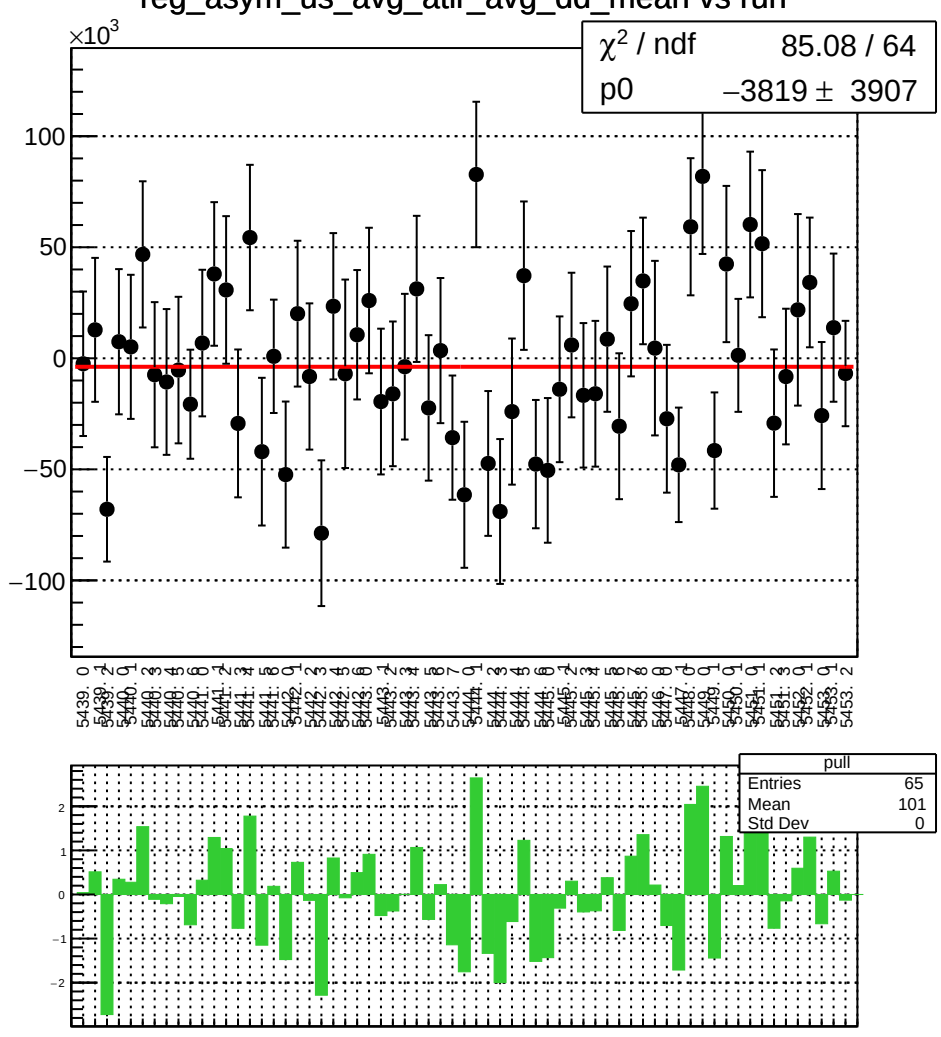

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.209e+05 / 64
p0 269.6 ± 0.2466
3500
3000
2500
2000
1500
1000
500

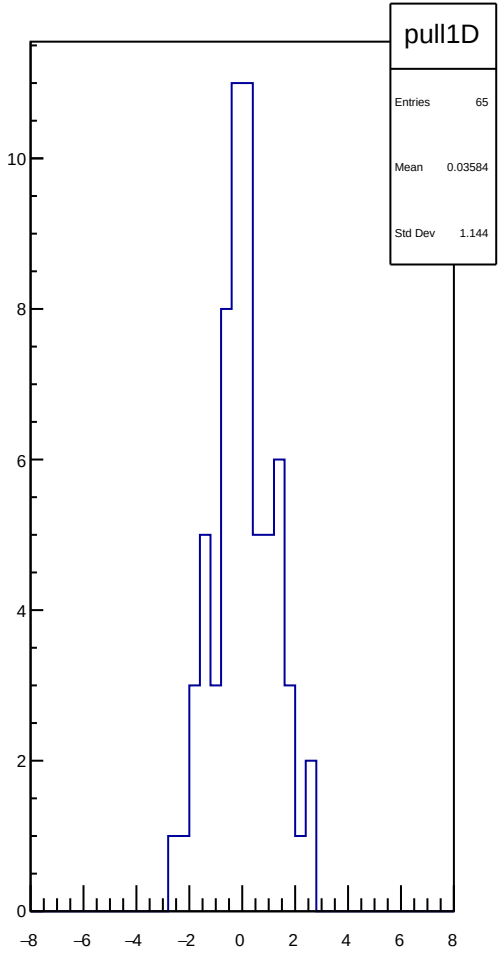

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.32 / 64
p0 −0.6748 ± 0.3488
pull
Entries 65
Mean 26.05
Std Dev 50.5
pull1D
Entries 65
Mean 0.02
Std Dev 1.062

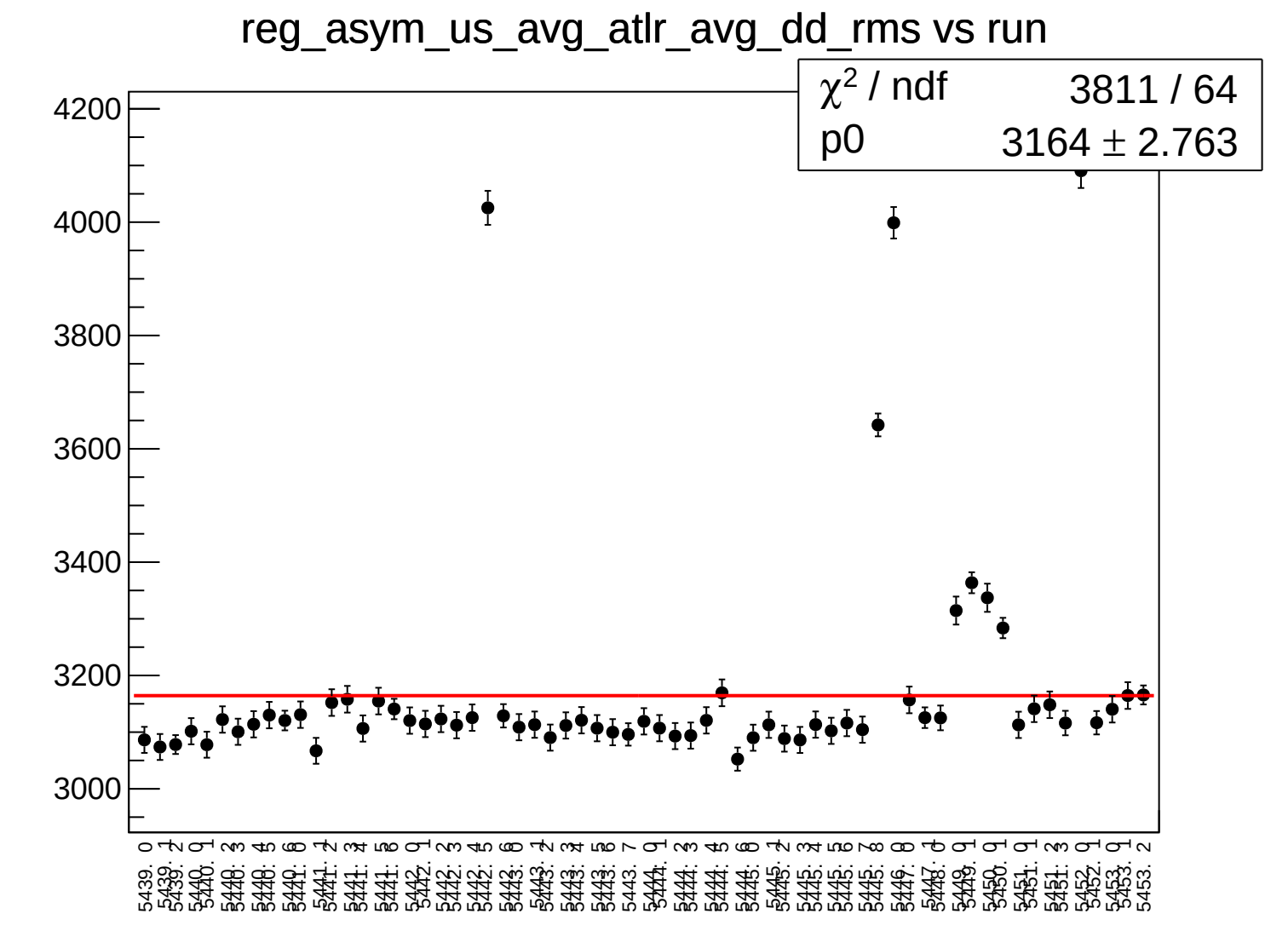

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.209e+05 / 64
p0 269.6 ± 0.2466
3500
3000
2500
2000
1500
1000
500

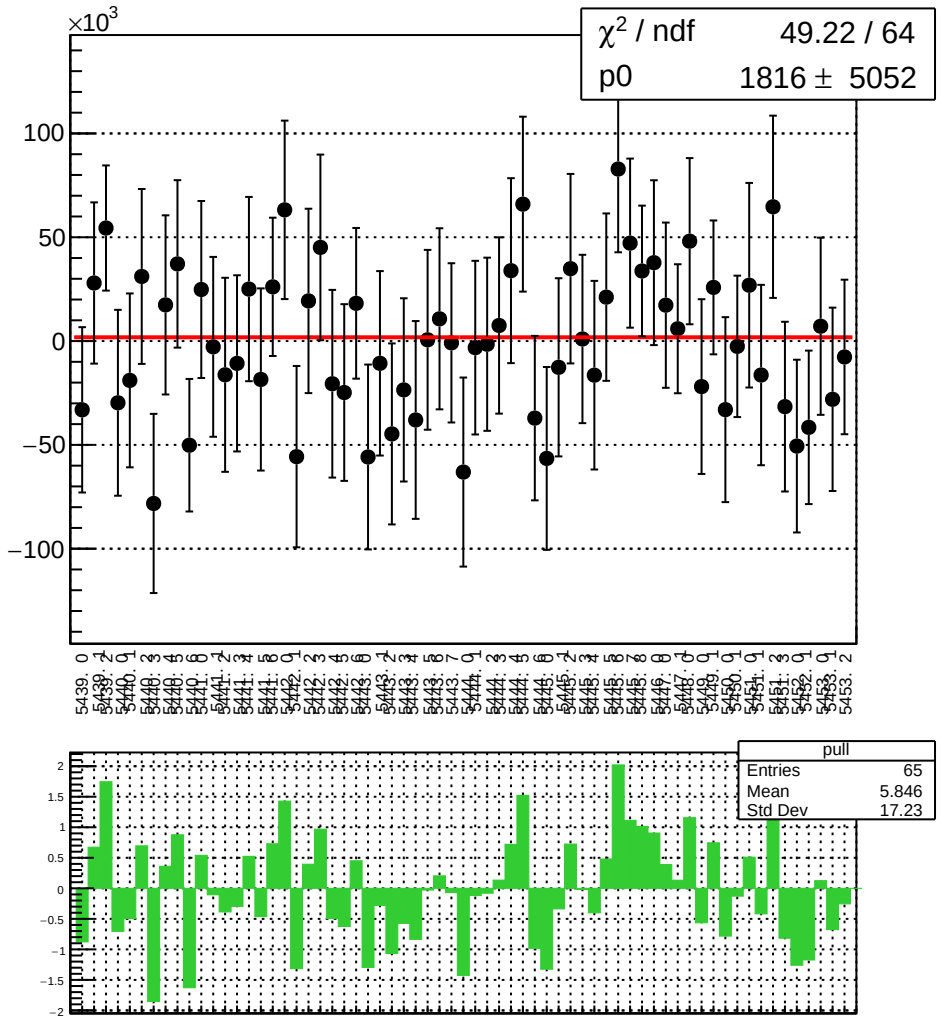

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.36 / 64
p0 1.61e−14 ± 1.492e−13
pull
Entries 65
Mean 31.05
Std Dev 0
pull1D
Entries 65
Mean 0.1269
Std Dev 1.132

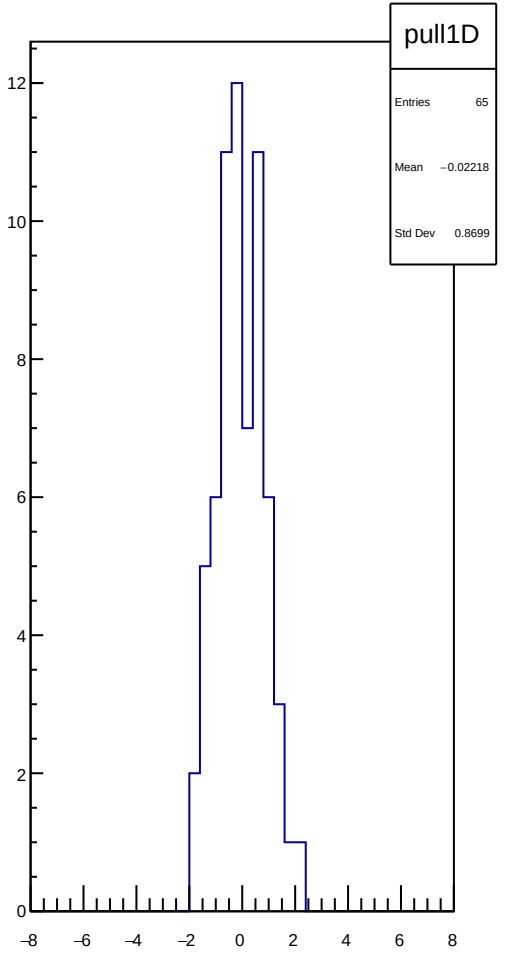

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.813e+05 / 64
p0 9.636e−11 ± 1.055e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

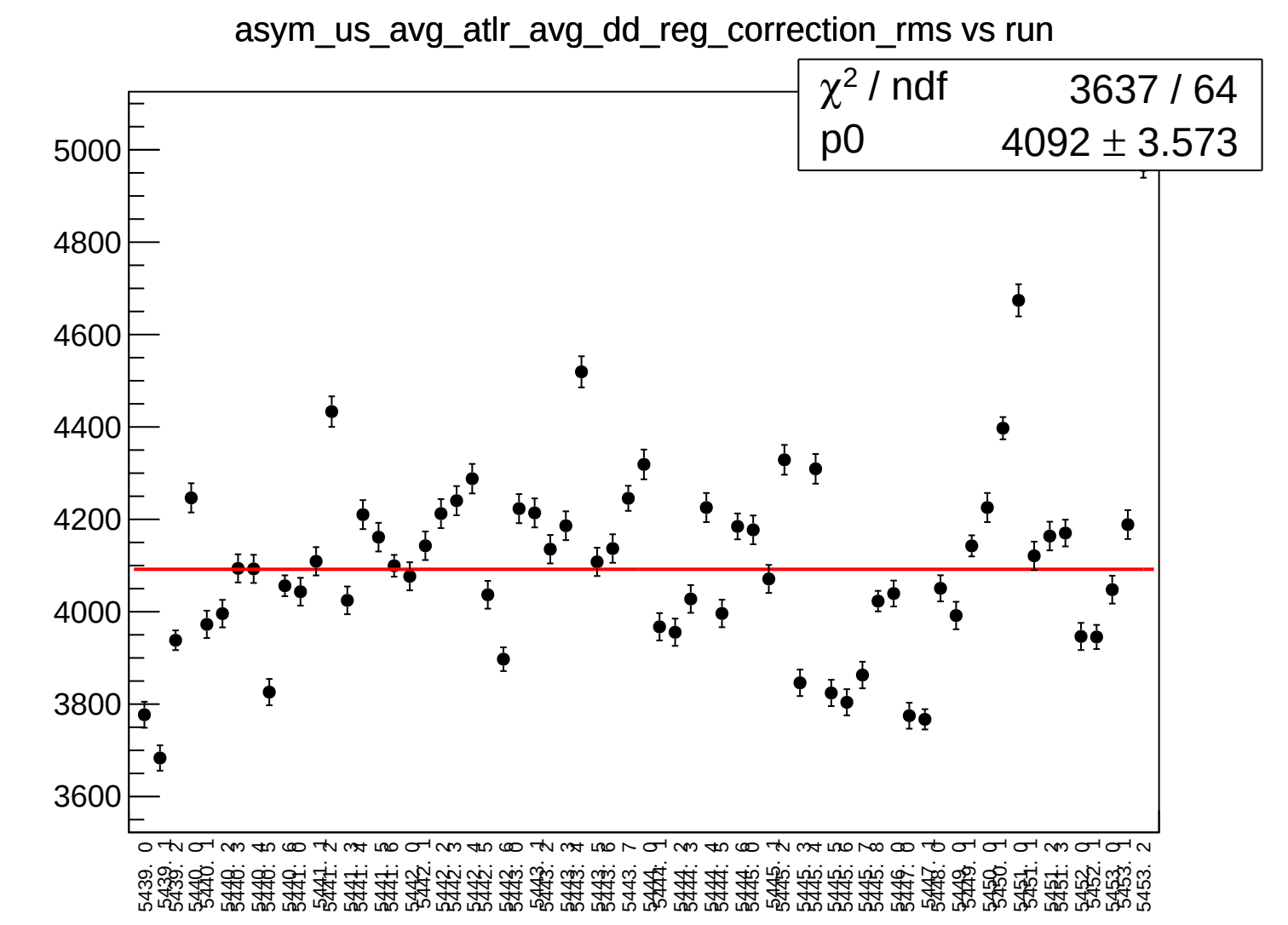

reg_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ^2 / ndf 85.08 / 64
p0 −3819 ± 3907
100
50
0
−50
−100
pull
Entries 65
Mean 101
Std Dev 0
2
1
0
−1
−2

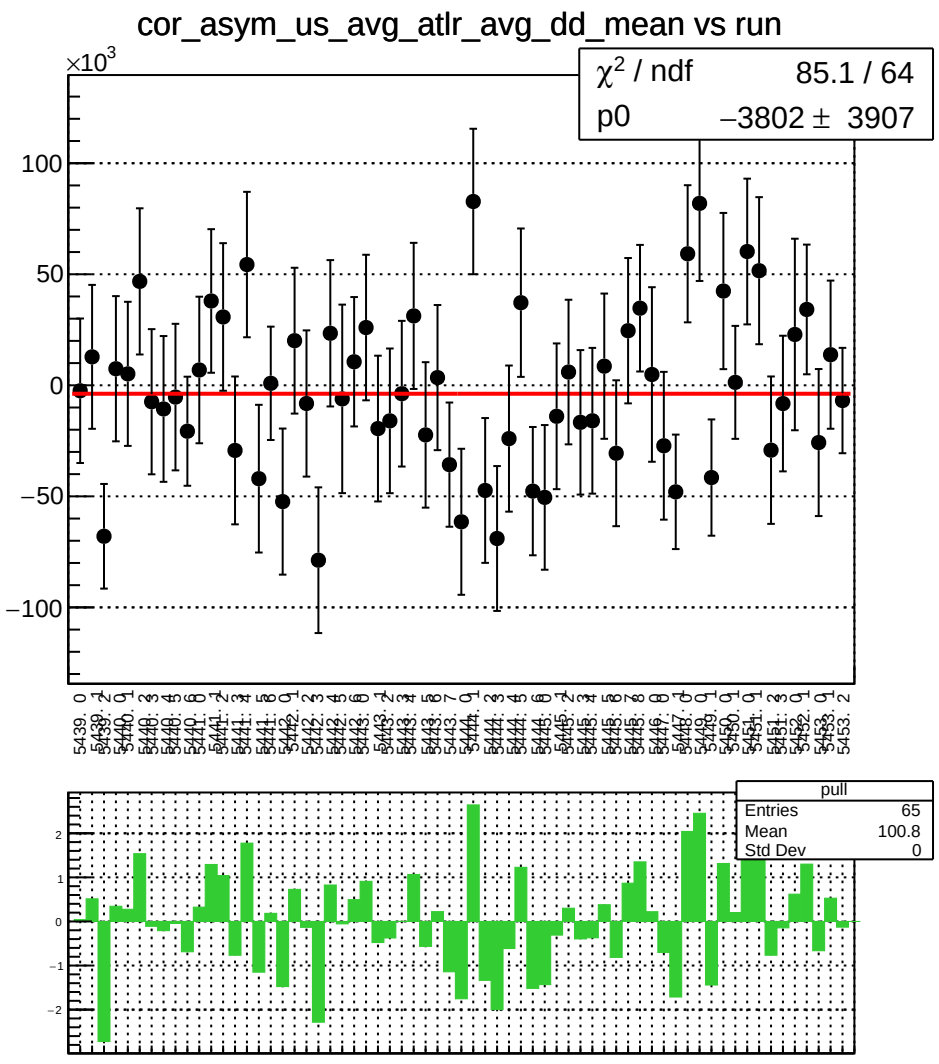

pull1D
Entries 65
Mean 0.03584
Std Dev 1.144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

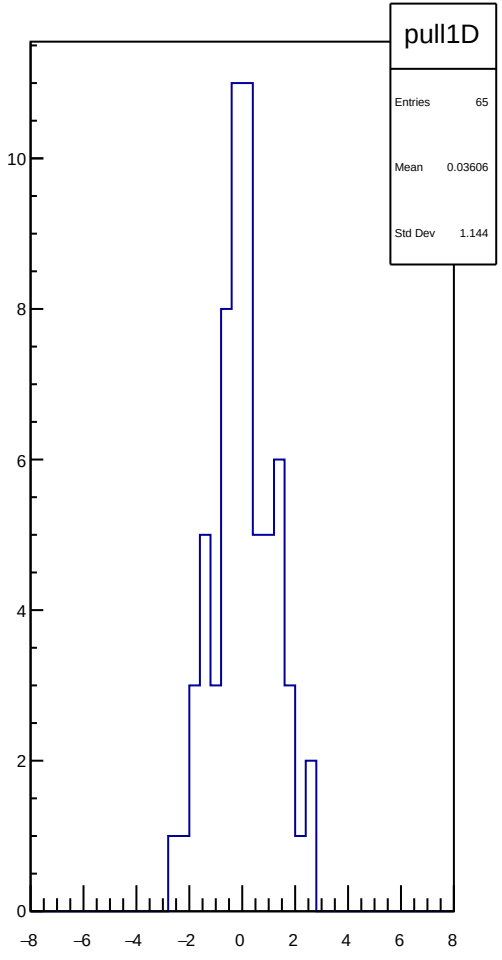

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3811 / 64
p0 3164 ± 2.763
4200
4000
3800
3600
3400
3200
3000

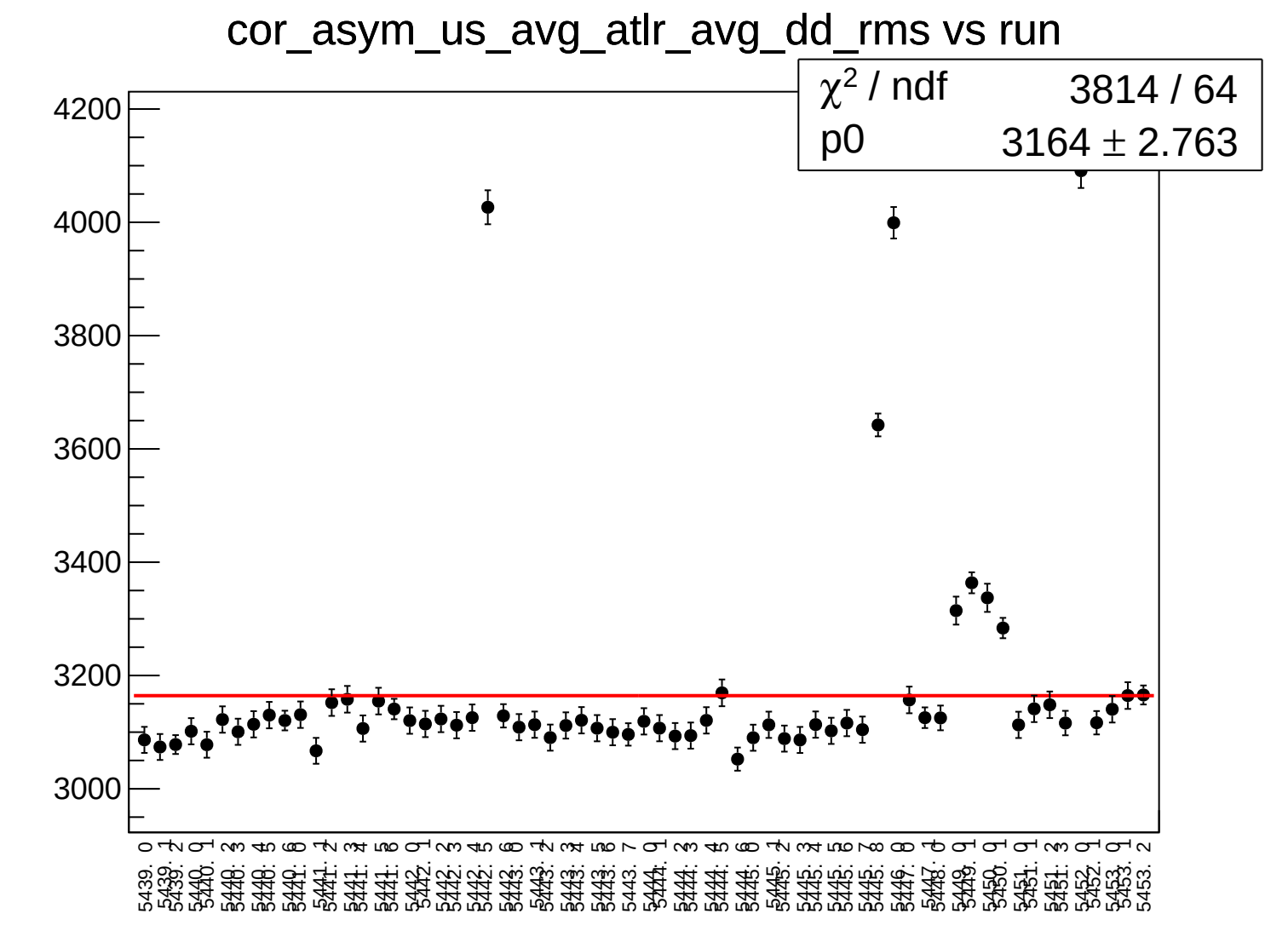

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 49.22 / 64
p0 1816 ± 5052
pull
Entries 65
Mean 5.846
Std Dev 17.23

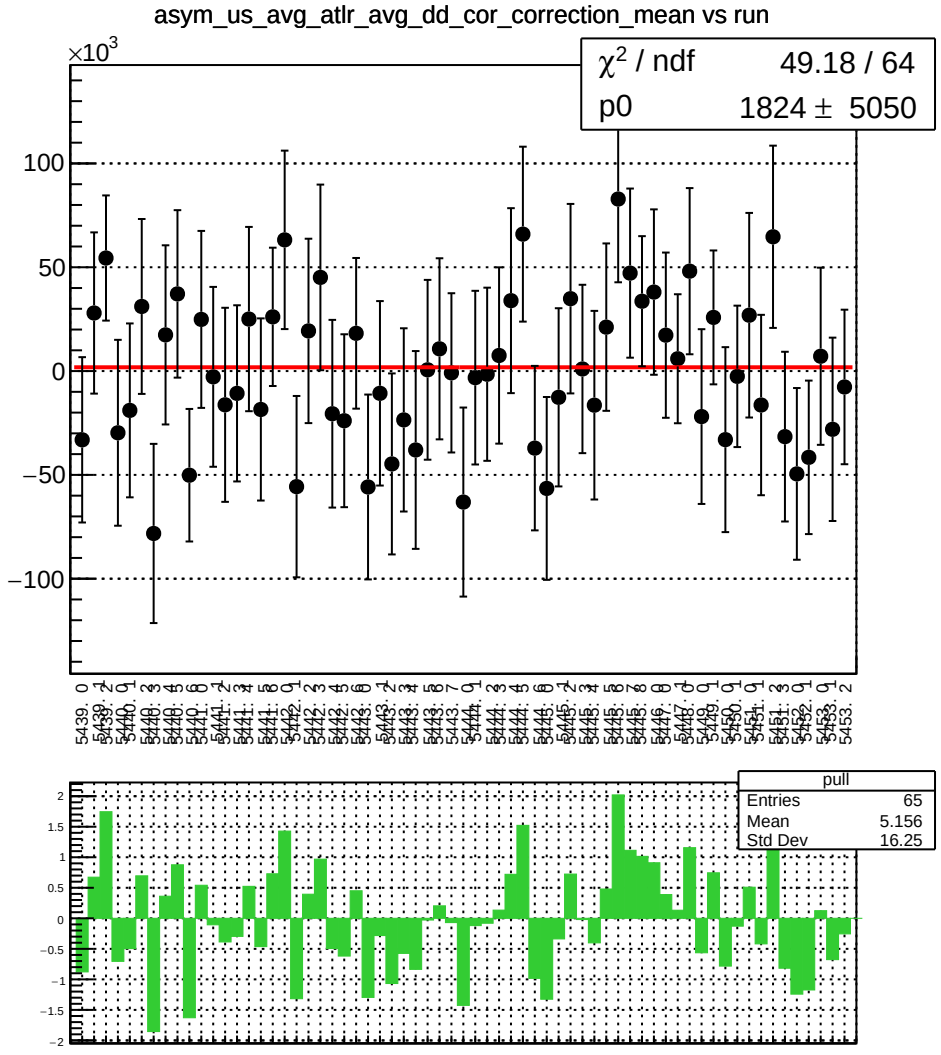

pull1D
Entries 65
Mean −0.02218
Std Dev 0.8699

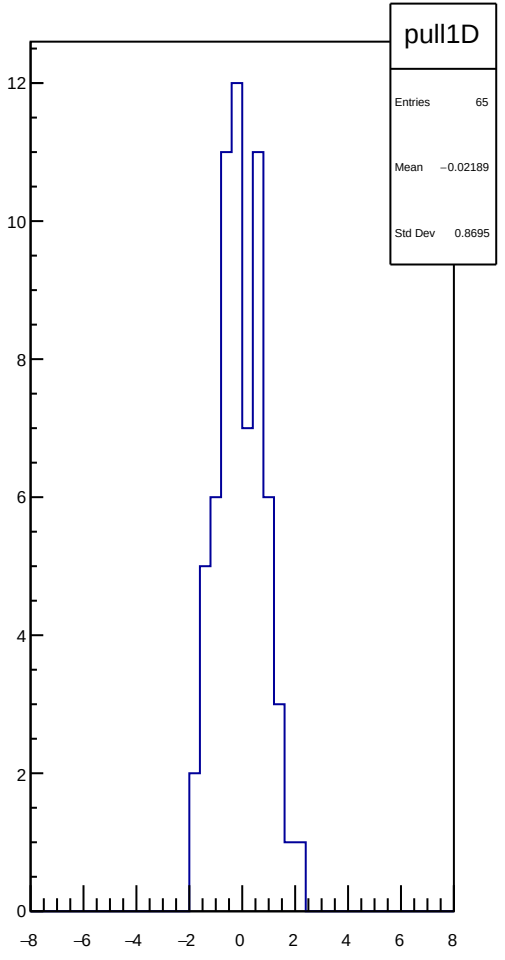

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 3637 / 64
p0 4092 ± 3.573
5000
4800
4600
4400
4200
4000
3800
3600

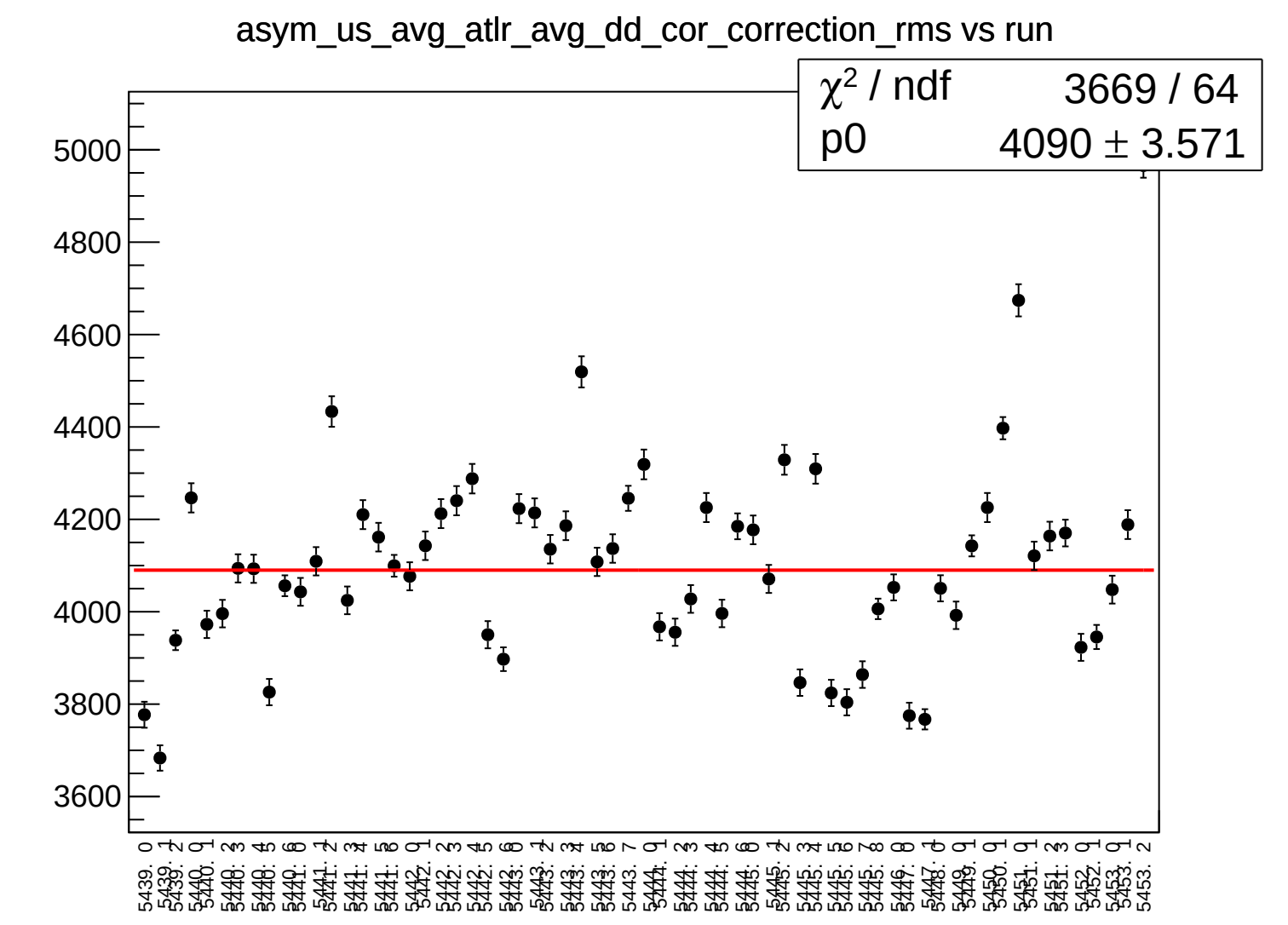

cor_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ^2 / ndf 85.1 / 64
p0 −3802 ± 3907
100
50
0
−50
−100
pull
Entries 65
Mean 100.8
Std Dev 0
2
1
0
−1
−2

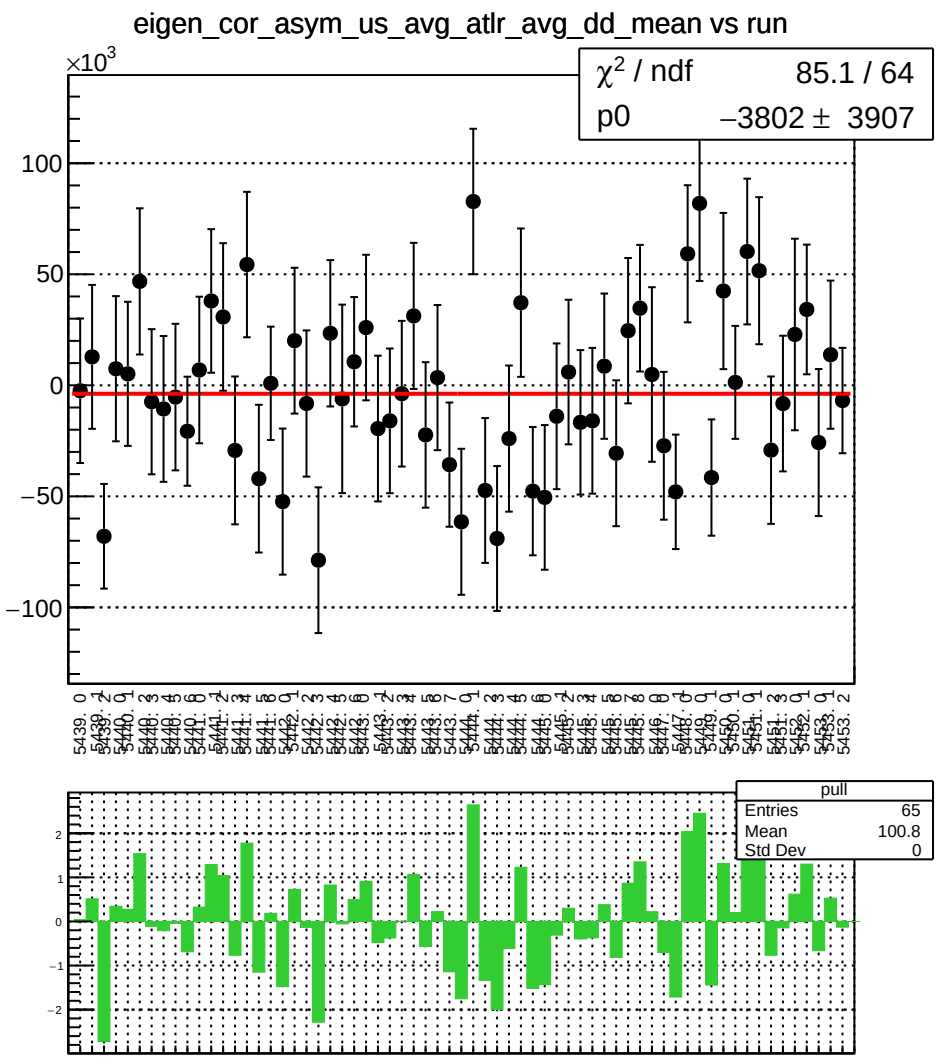

pull1D
Entries 65
Mean 0.03606
Std Dev 1.144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

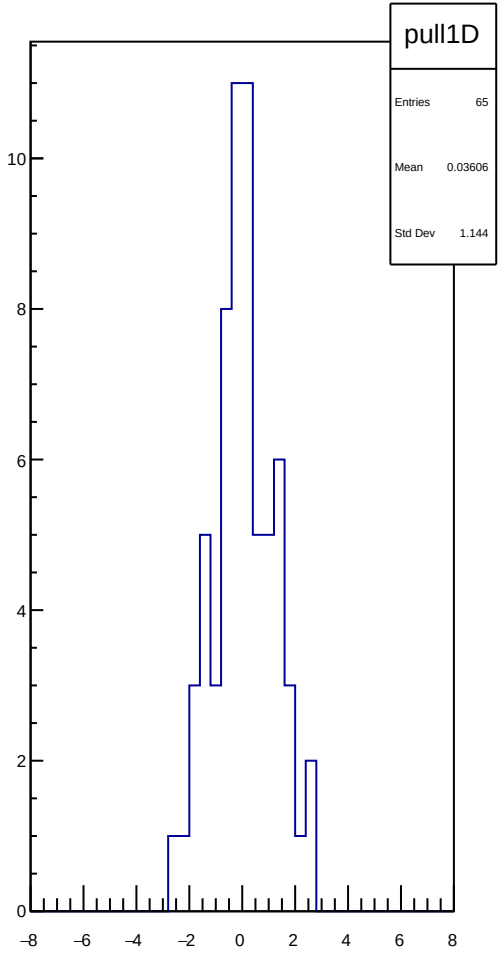

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3814 / 64
p0 3164 ± 2.763
4200
4000
3800
3600
3400
3200
3000

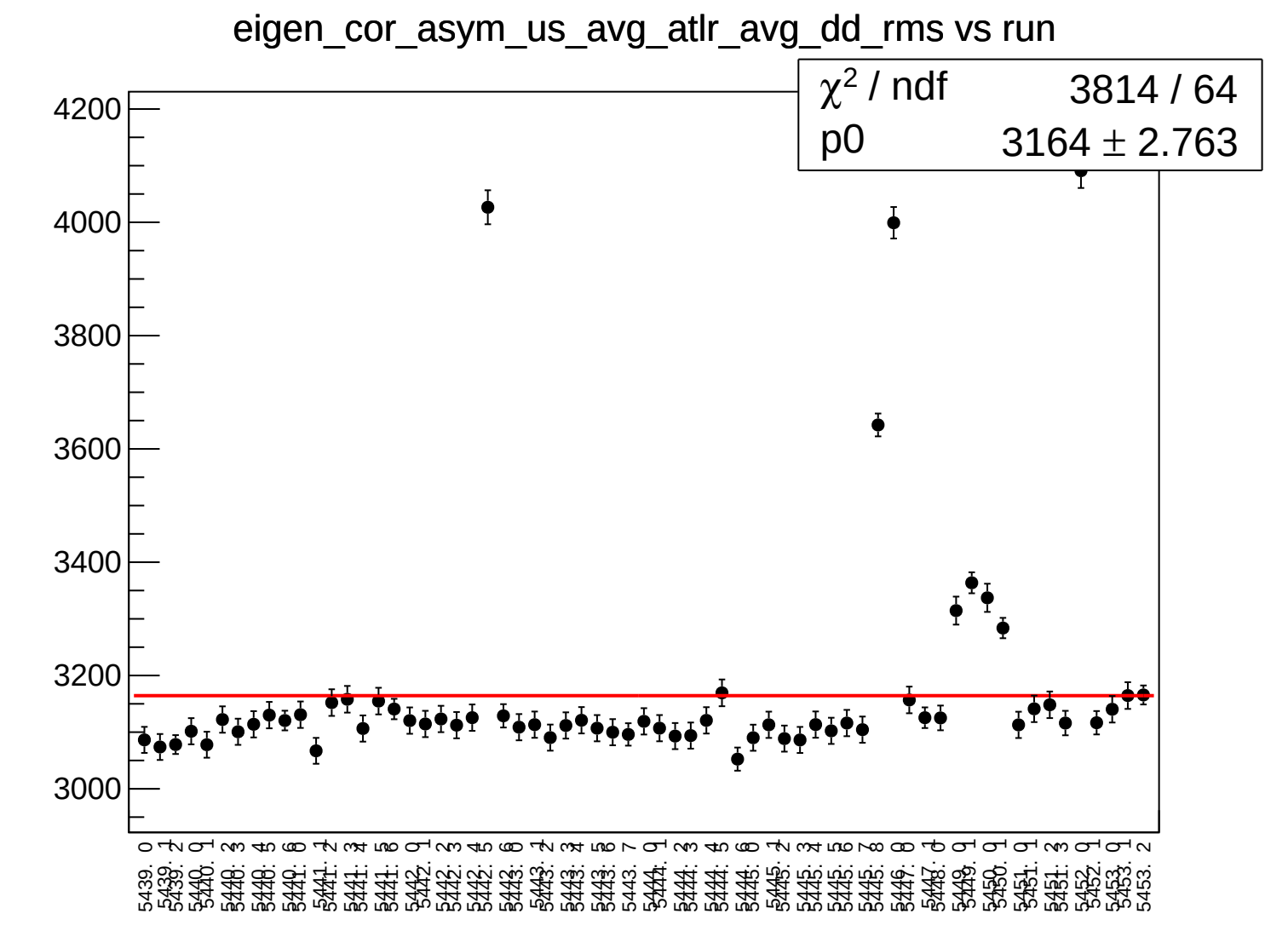

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.18 / 64
p0 1824 ± 5050
100
50
0
−50
−100
pull
Entries 65
Mean 5.156
Std Dev 16.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

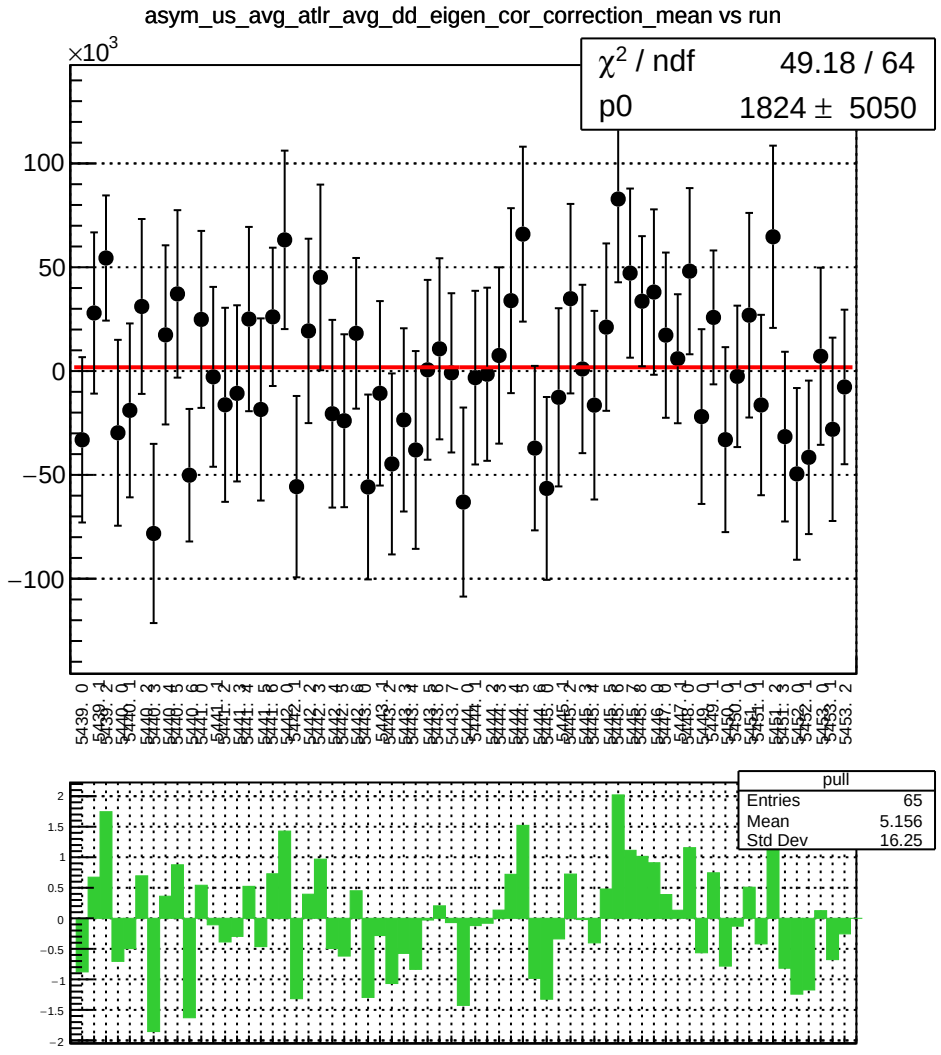

pull1D
Entries 65
Mean −0.02189
Std Dev 0.8695
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

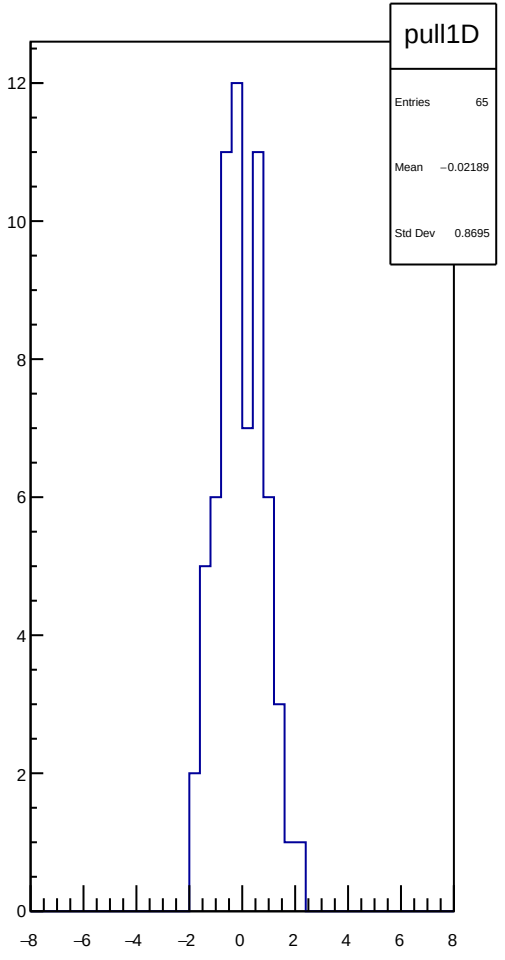

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 3669 / 64
p0 4090 ± 3.571
5000
4800
4600
4400
4200
4000
3800
3600

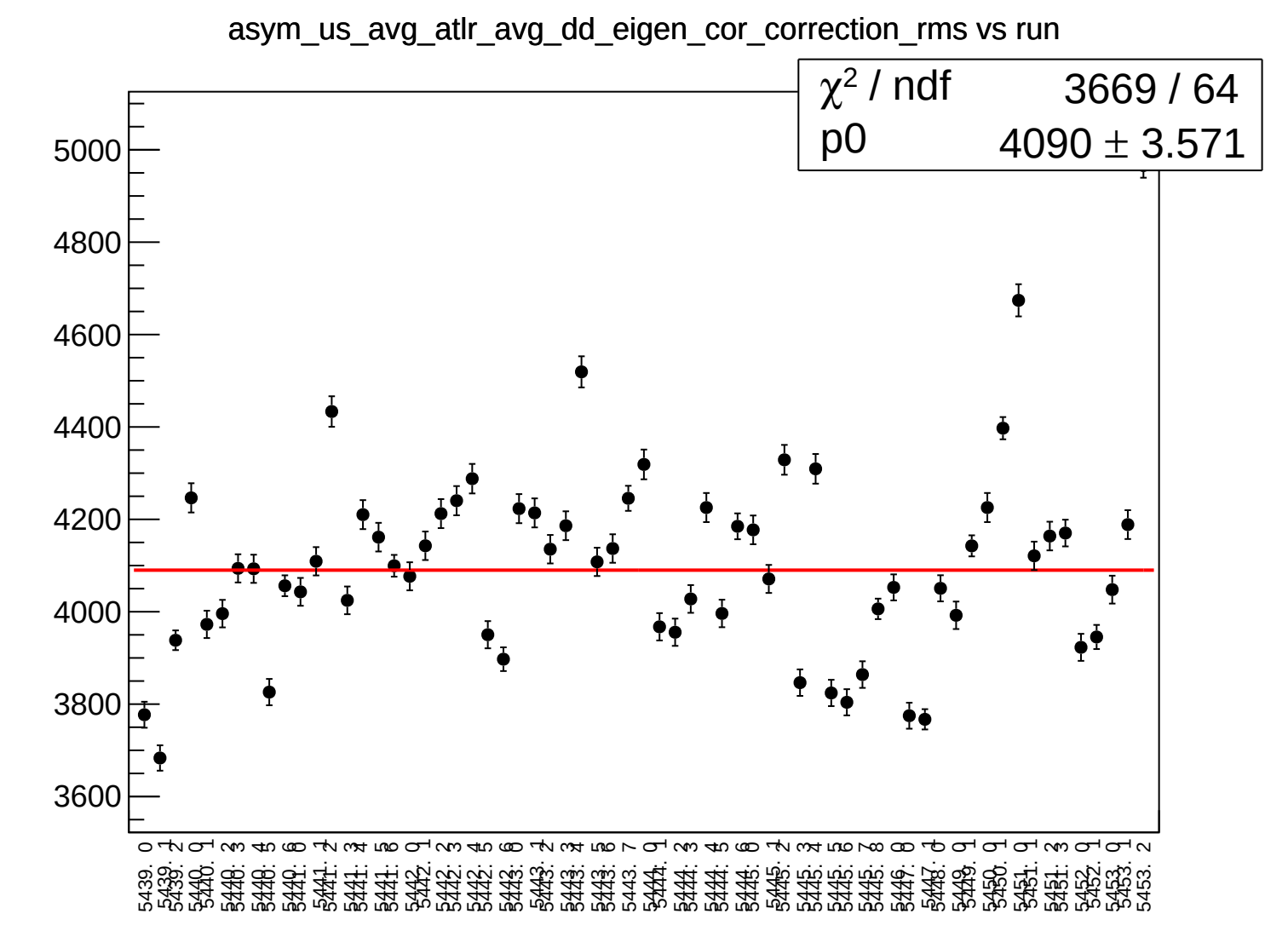

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 85.1 / 64
p0 −3802 ± 3907
100
50
0
−50
−100
pull
Entries 65
Mean 100.8
Std Dev 0
2
1
0
−1
−2

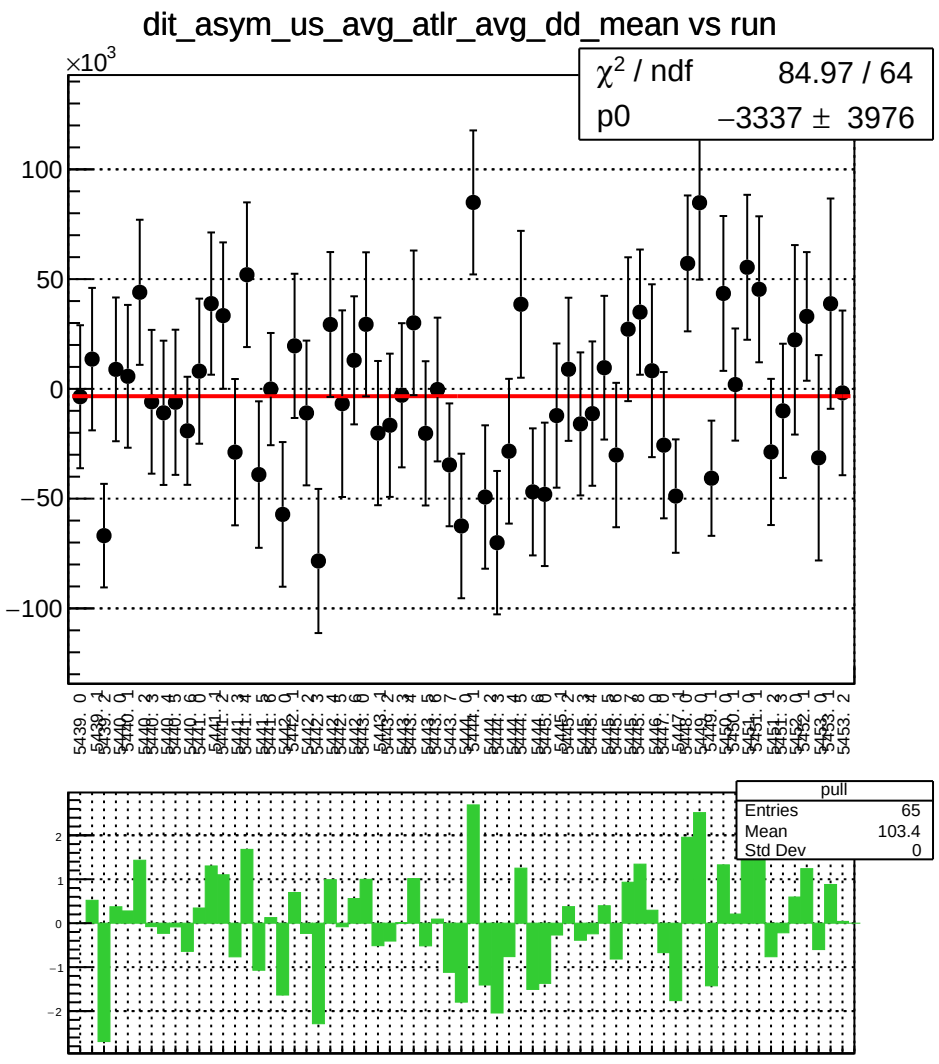

pull1D
Entries 65
Mean 0.03606
Std Dev 1.144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

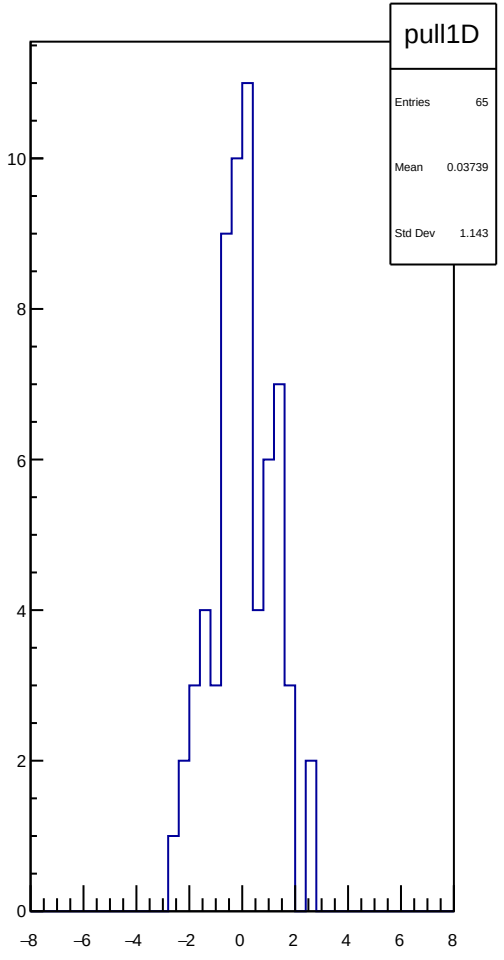

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3814 / 64
p0 3164 ± 2.763
4200
4000
3800
3600
3400
3200
3000

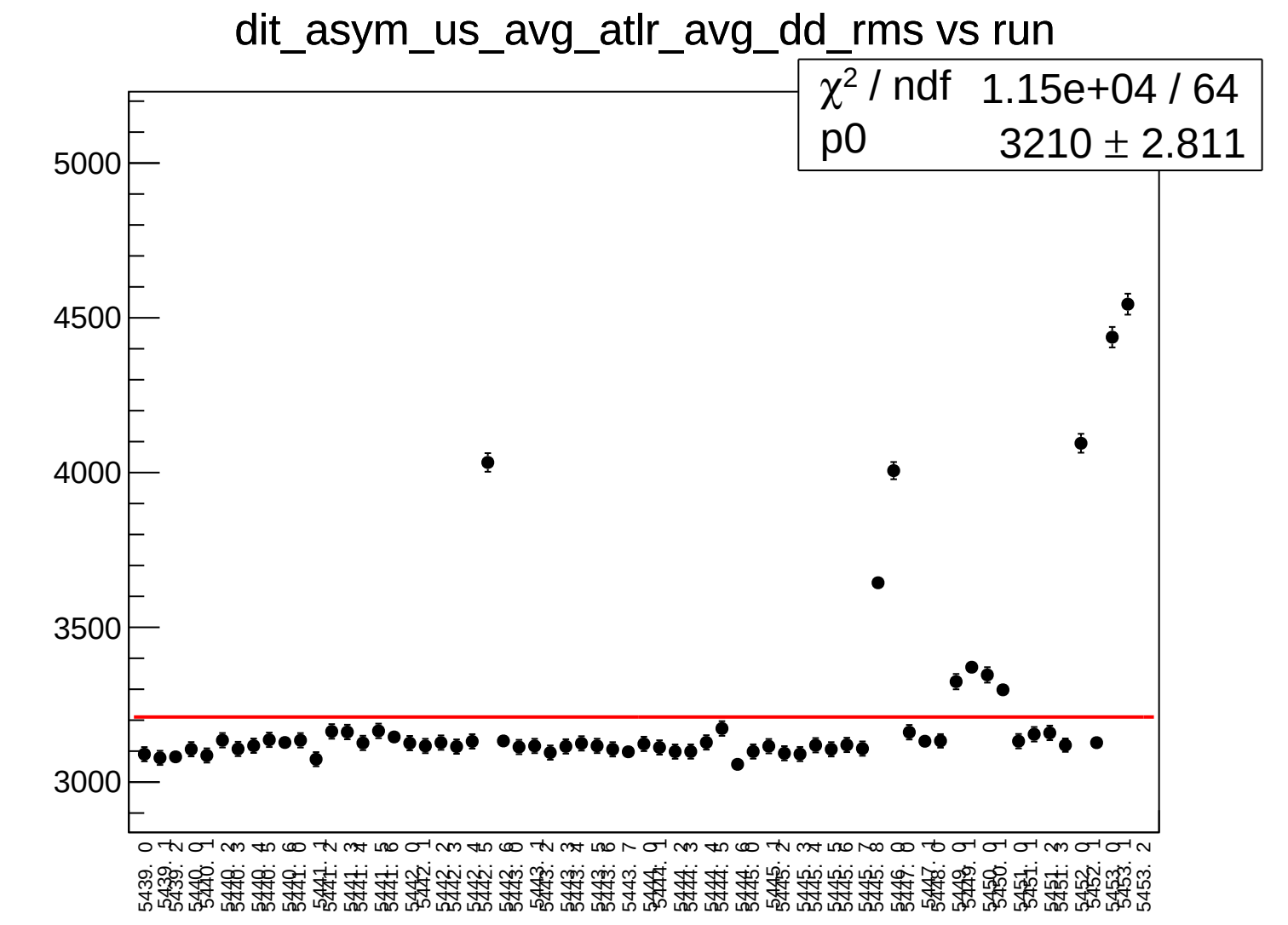

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.18 / 64
p0 1824 ± 5050
100
50
0
−50
−100
pull
Entries 65
Mean 5.156
Std Dev 16.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

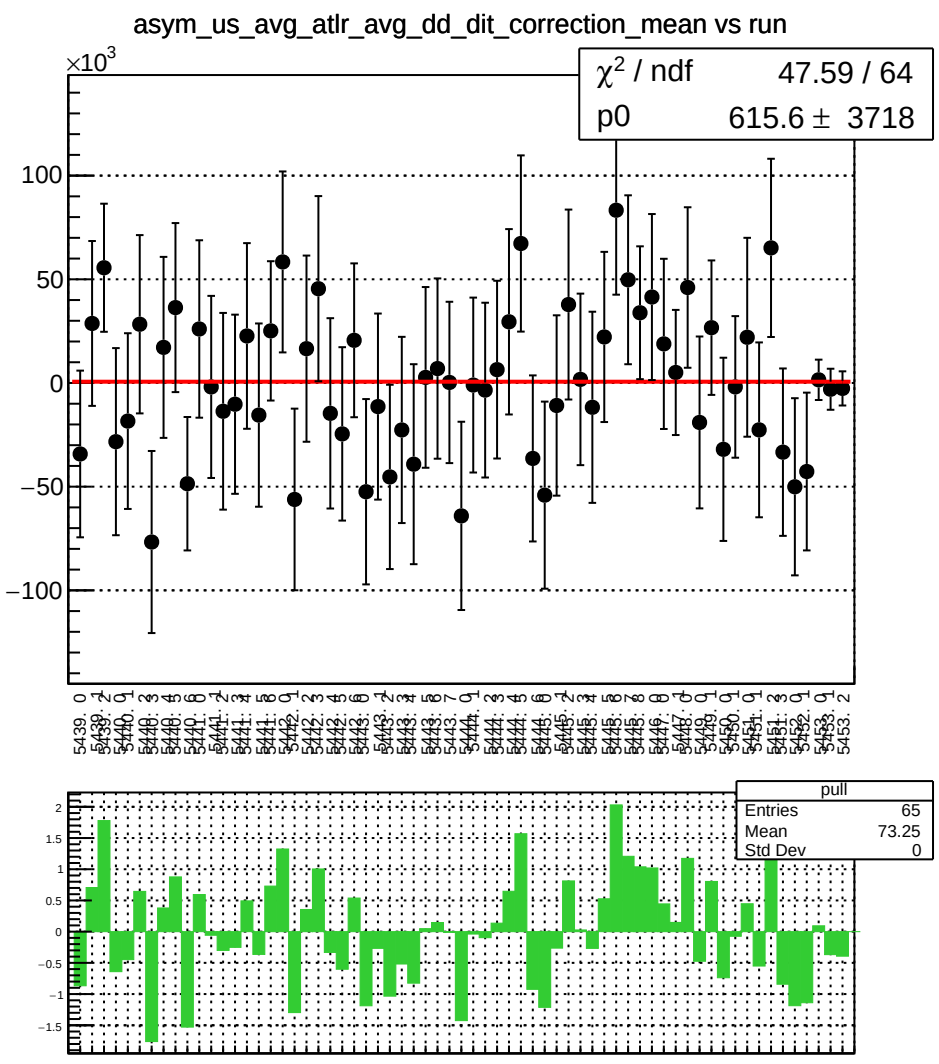

pull1D
Entries 65
Mean −0.02189
Std Dev 0.8695
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

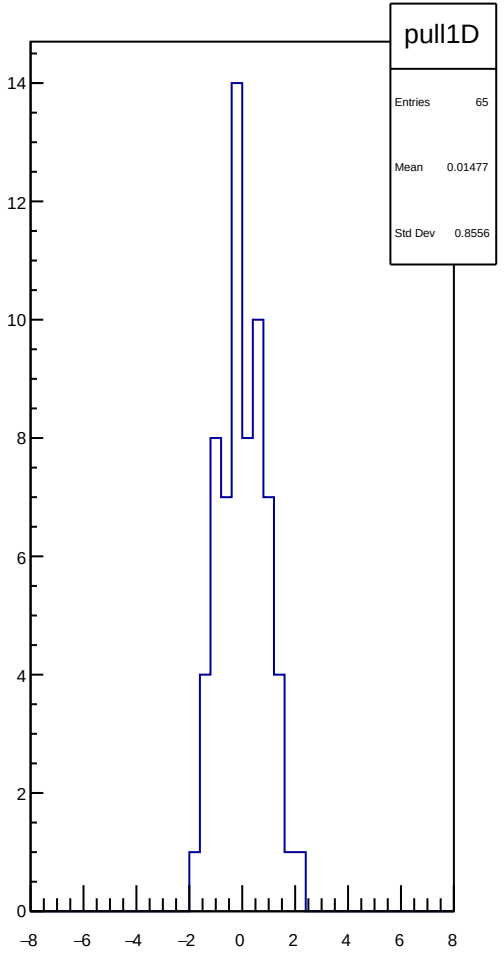

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3669 / 64
p0 4090 ± 3.571
5000
4800
4600
4400
4200
4000
3800
3600

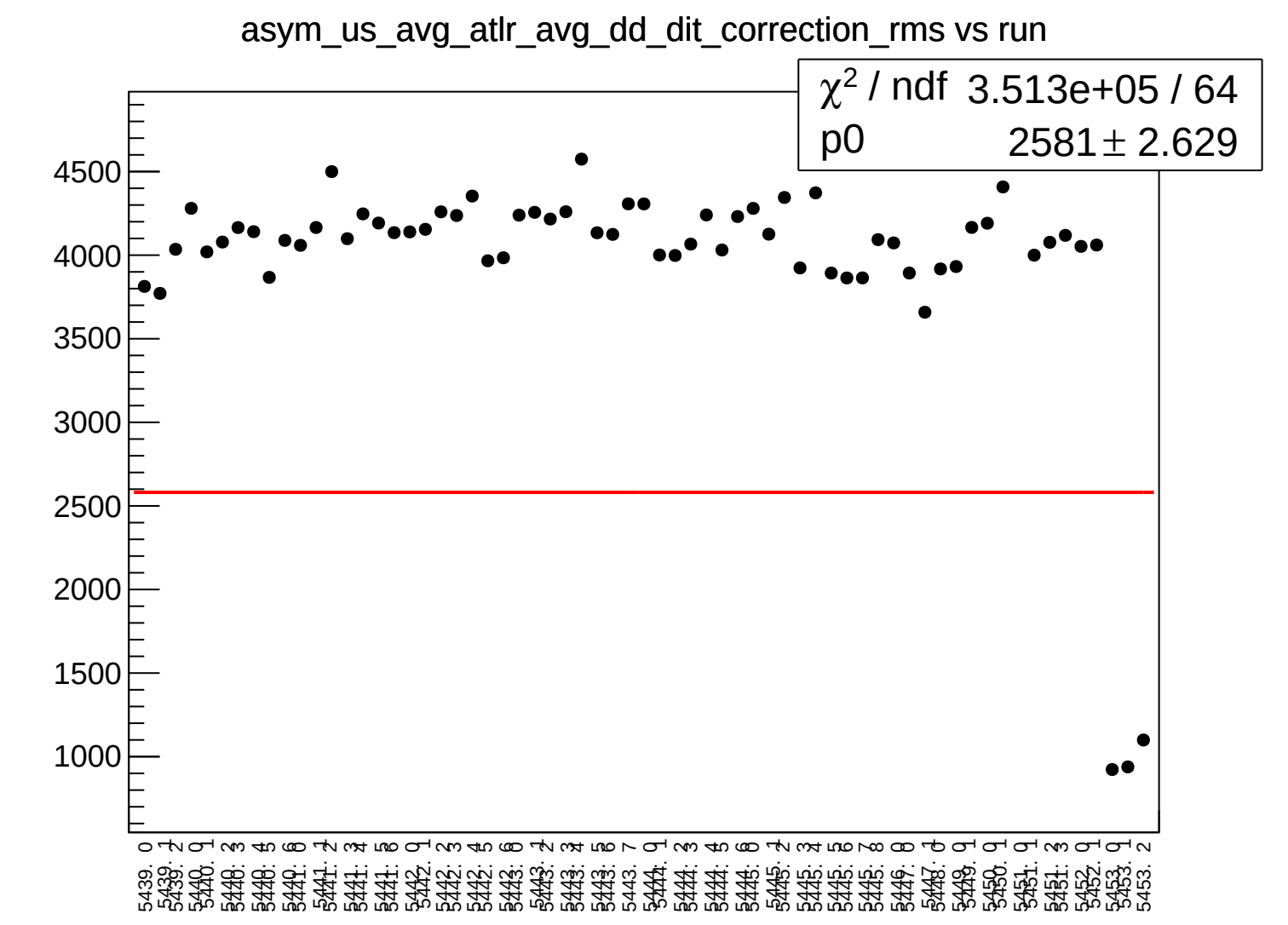

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 84.97 / 64
p0 −3337 ± 3976
×10³
pull
Entries 65
Mean 103.4
Std Dev 0

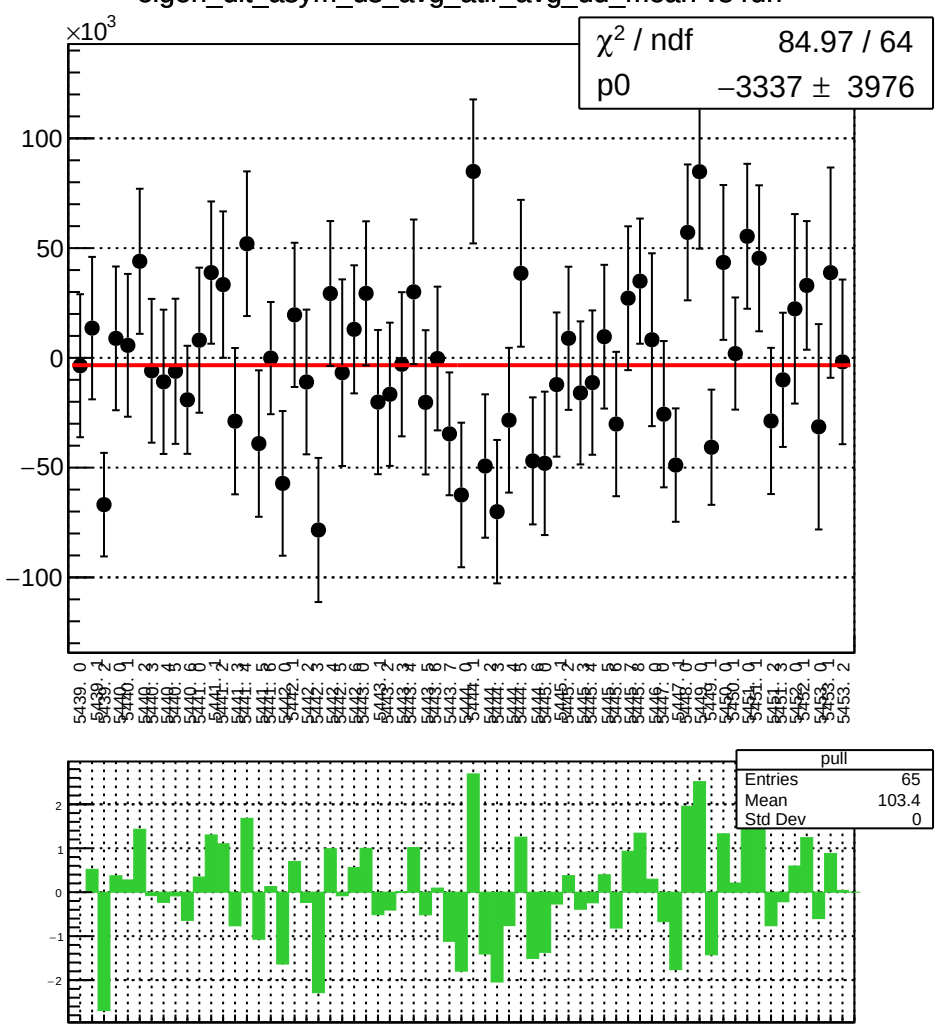

pull1D
Entries 65
Mean 0.03739
Std Dev 1.143

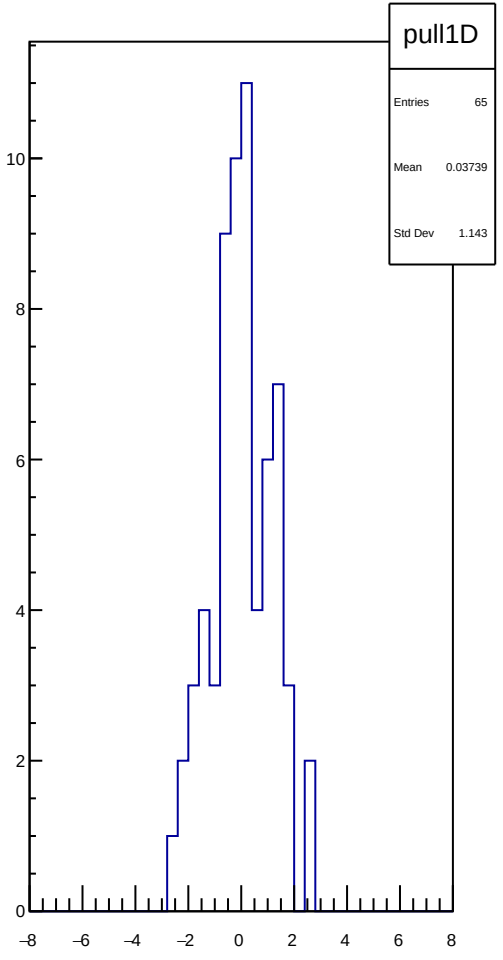

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1.15e+04 / 64
p0 3210 ± 2.811
5000
4500
4000
3500
3000

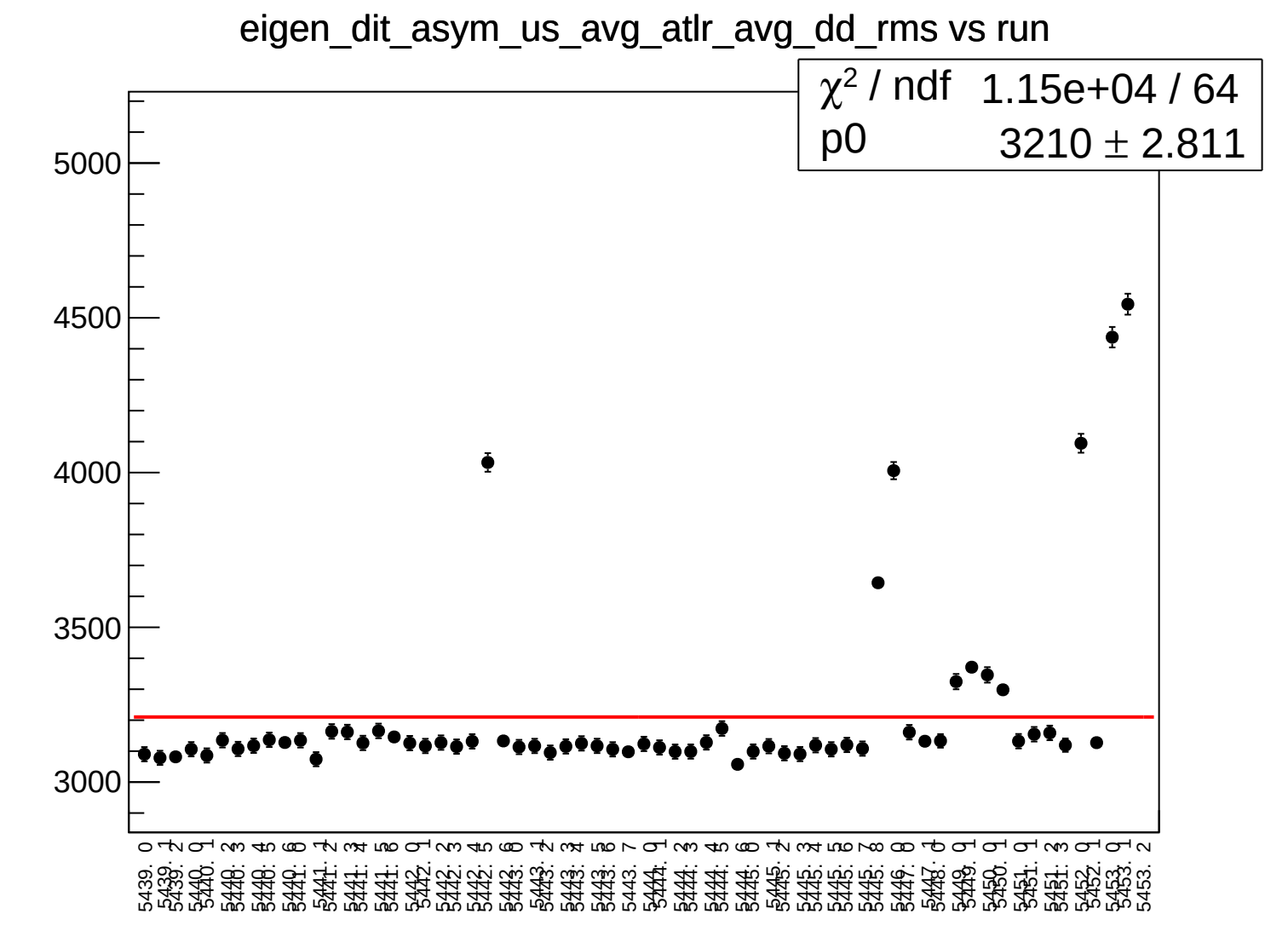

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 47.59 / 64
p0 615.6 ± 3718
100
50
0
−50
−100
pull
Entries 65
Mean 73.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

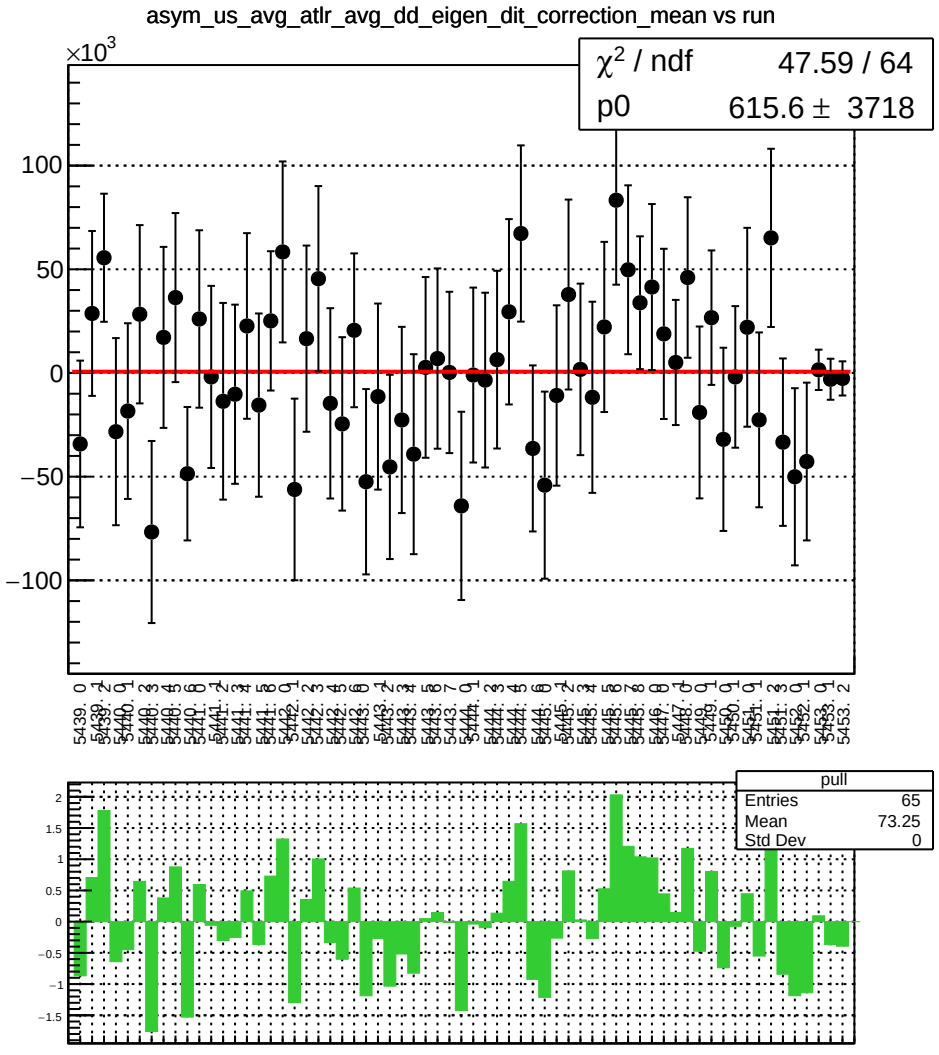

pull1D
Entries 65
Mean 0.01477
Std Dev 0.8556
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

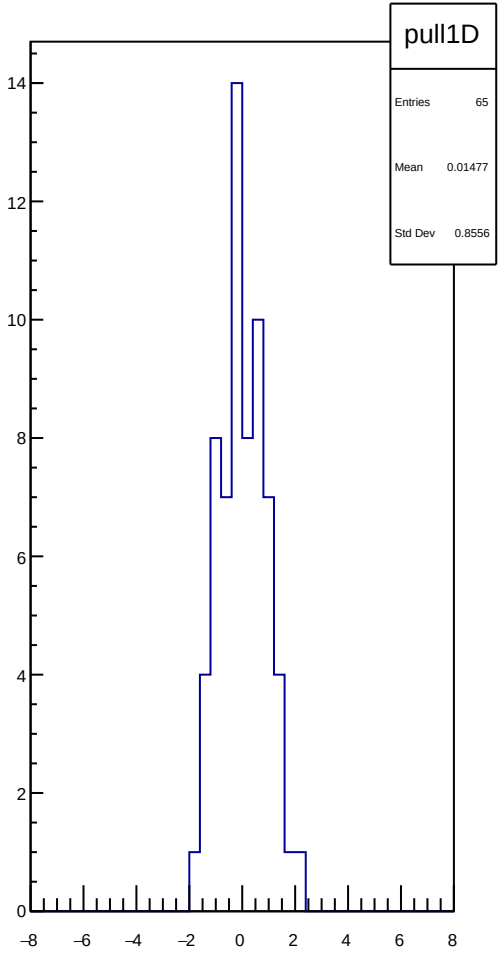

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 3.513e+05 / 64
p0 2581 ± 2.629
4500
4000
3500
3000
2500
2000
1500
1000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

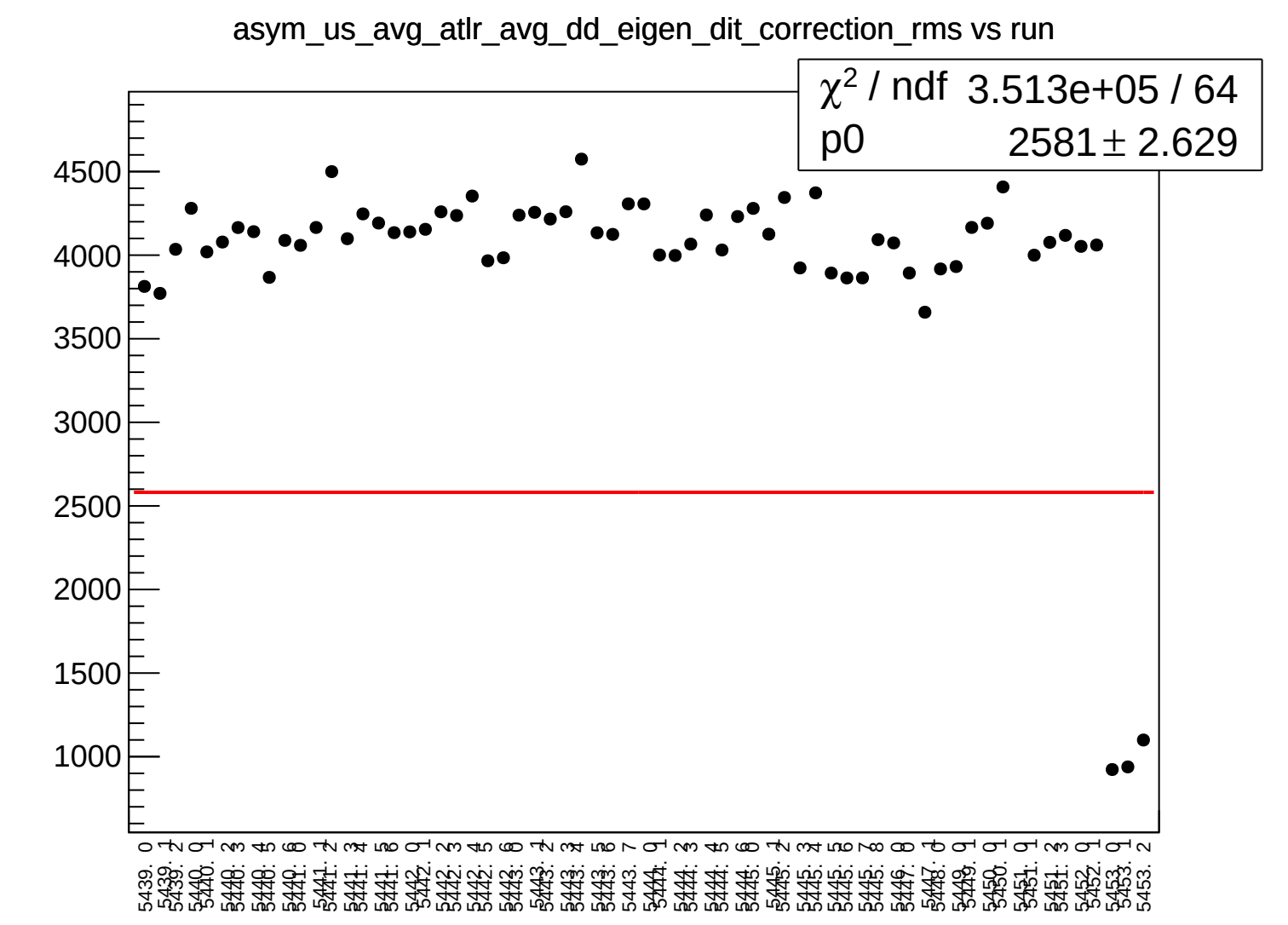

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 84.97 / 64
p0 −3337 ± 3976
100
50
0
−50
−100
pull
Entries 65
Mean 103.4
Std Dev 0
2
1
0
−1
−2

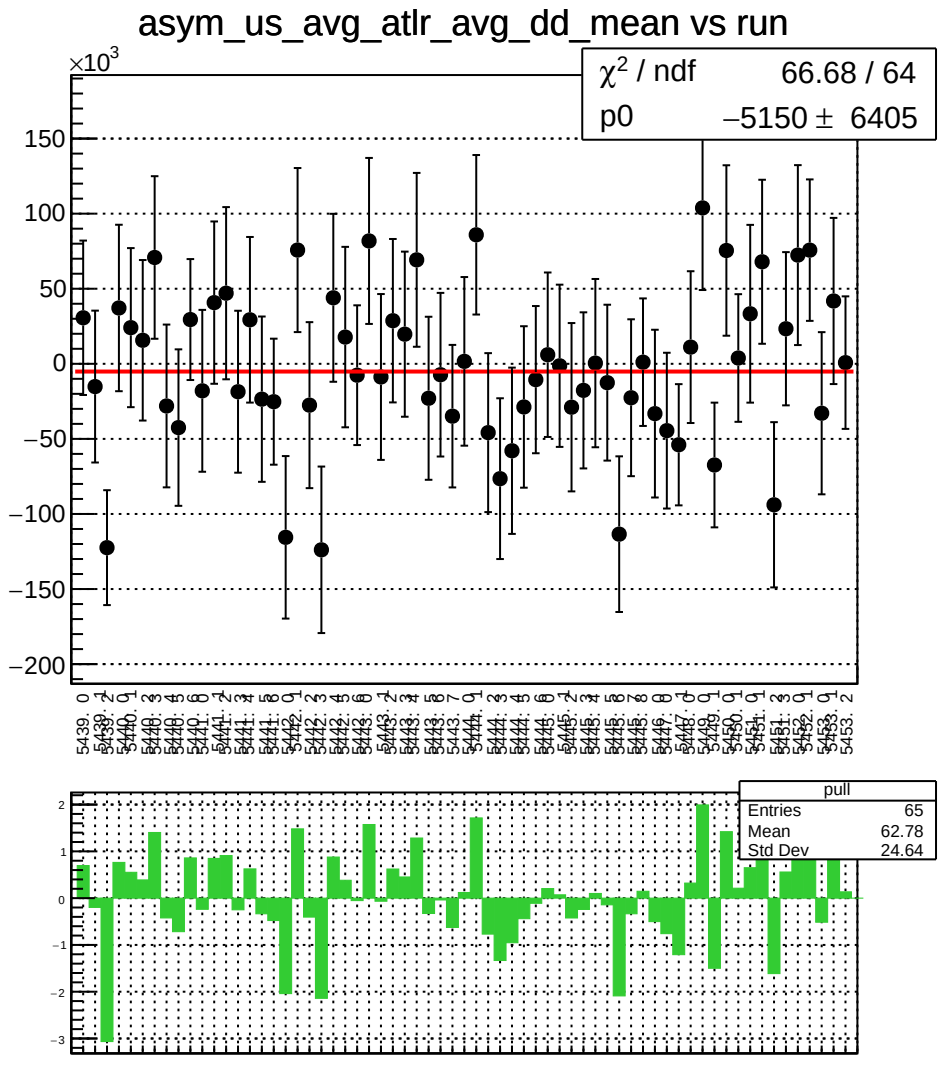

pull1D
Entries 65
Mean 0.03739
Std Dev 1.143
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

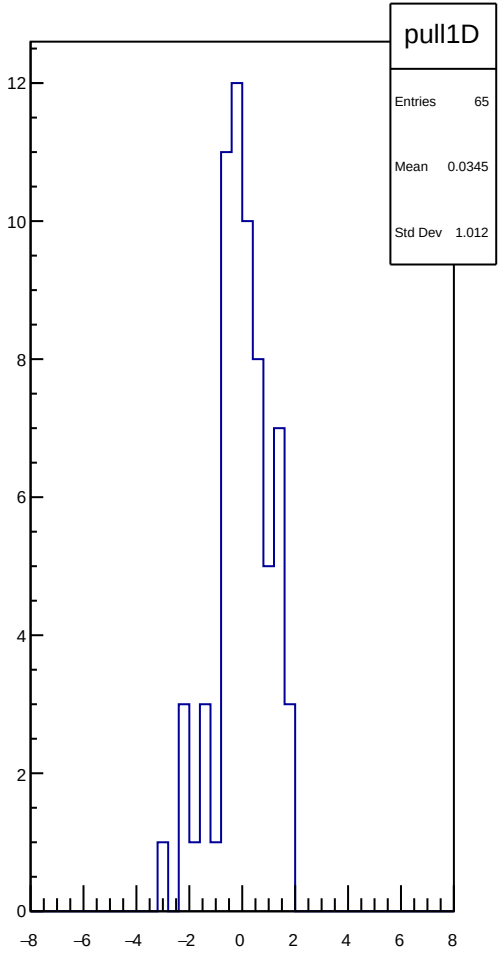

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1.15e+04 / 64
p0 3210 ± 2.811
5000
4500
4000
3500
3000

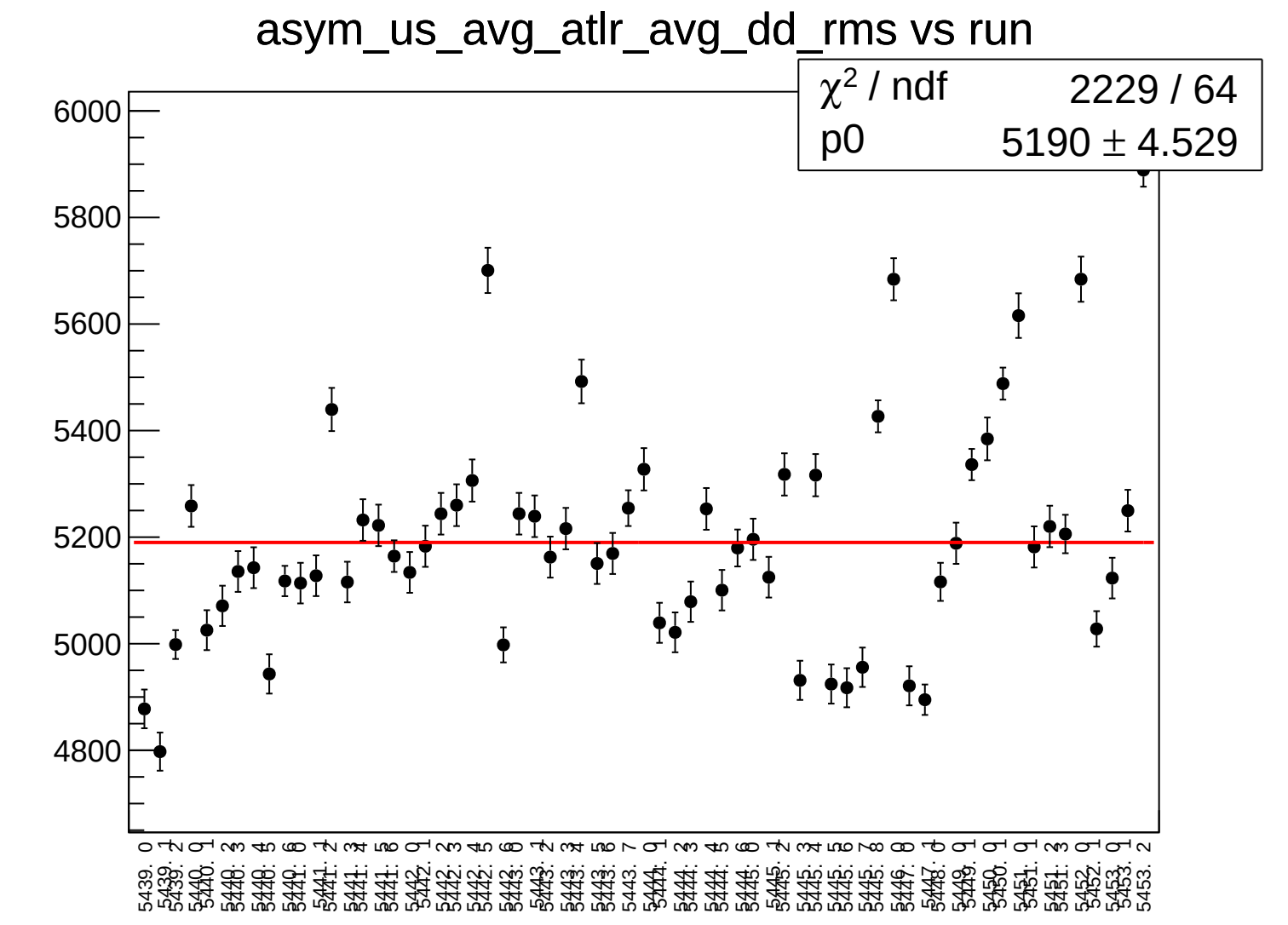

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 47.59 / 64
p0 615.6 ± 3718
100
50
0
−50
−100
pull
Entries 65
Mean 73.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

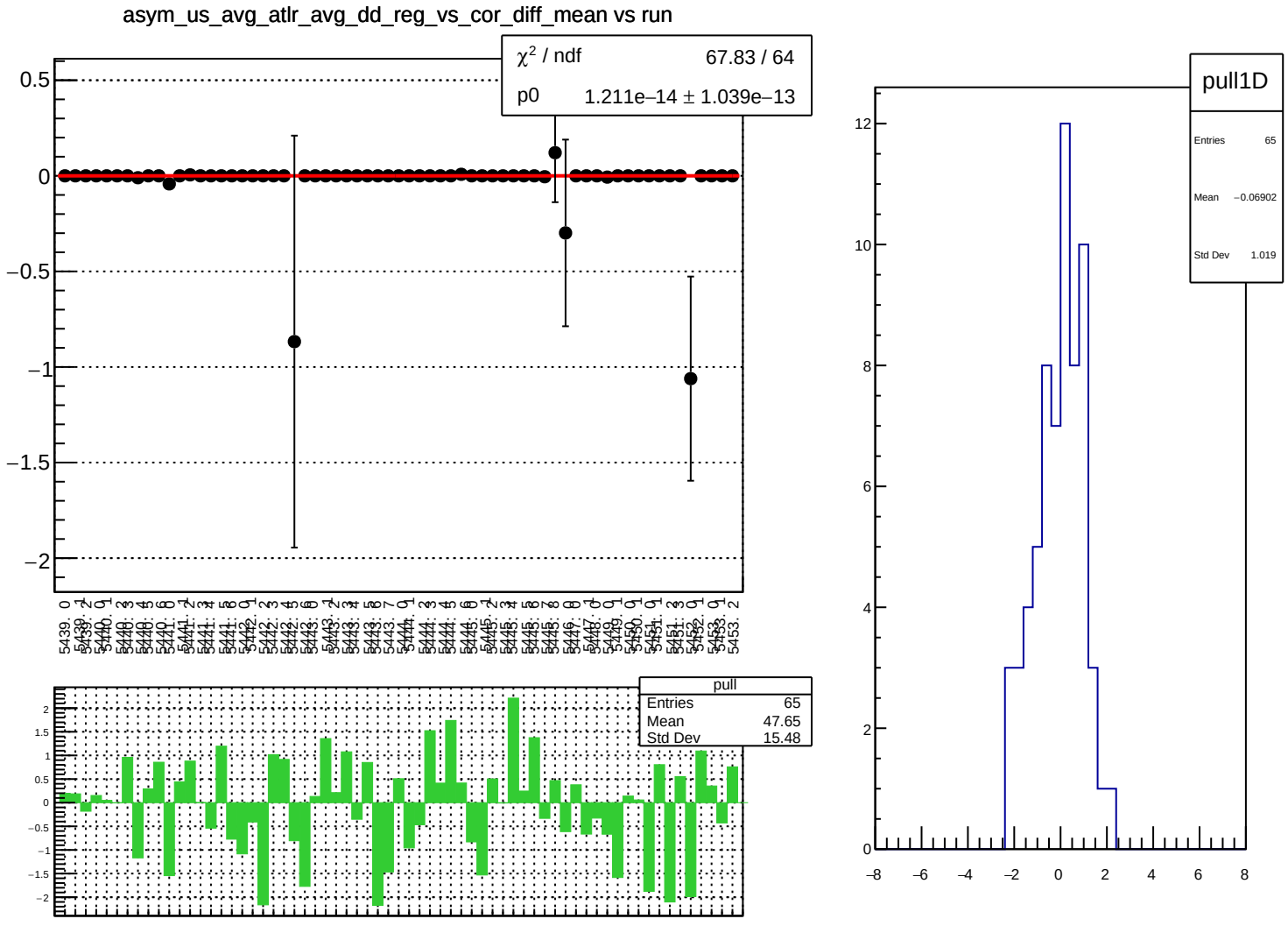

pull1D
Entries 65
Mean 0.01477
Std Dev 0.8556
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

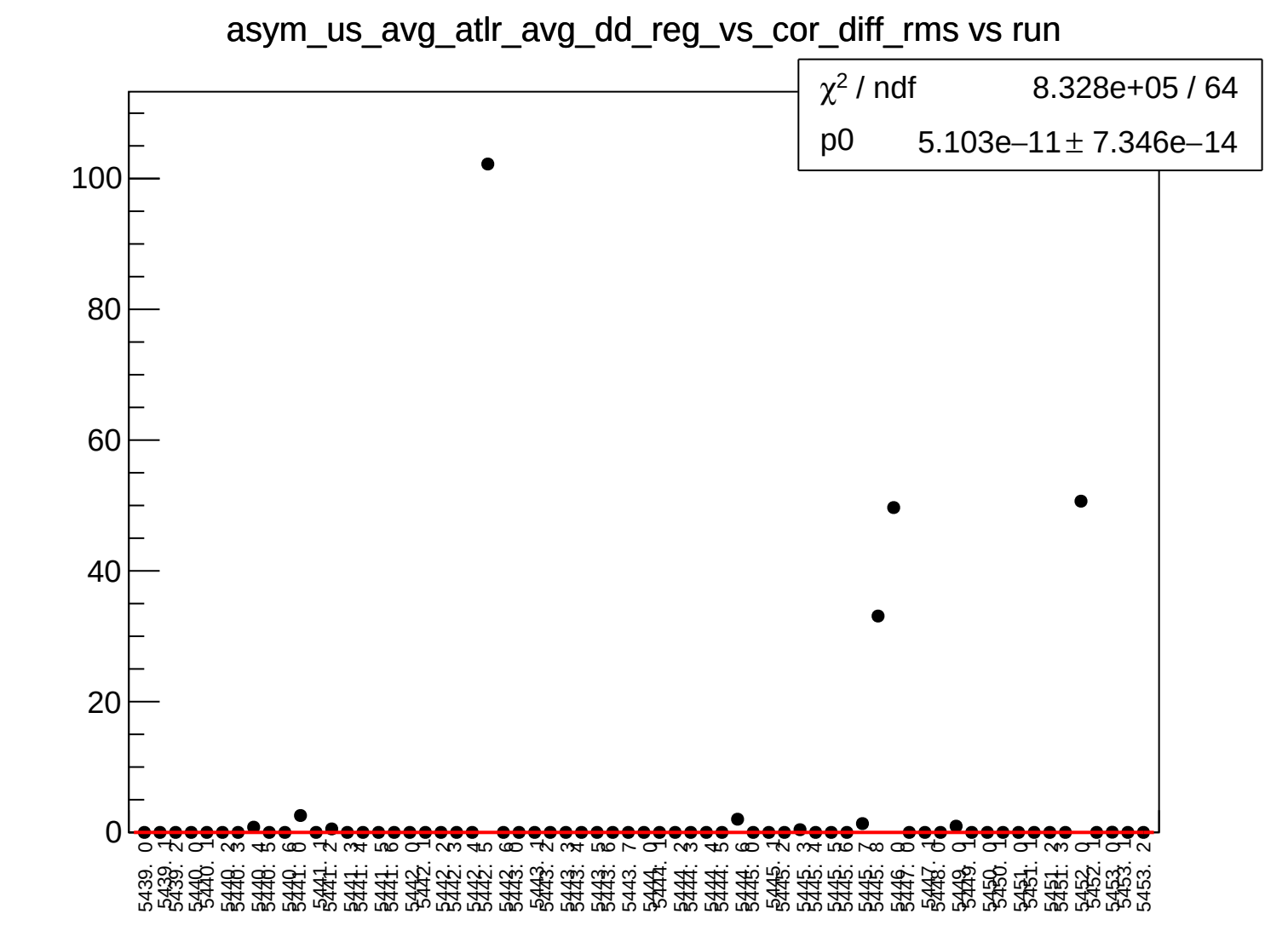

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.513e+05 / 64
p0 2581 ± 2.629
4500
4000
3500
3000
2500
2000
1500
1000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

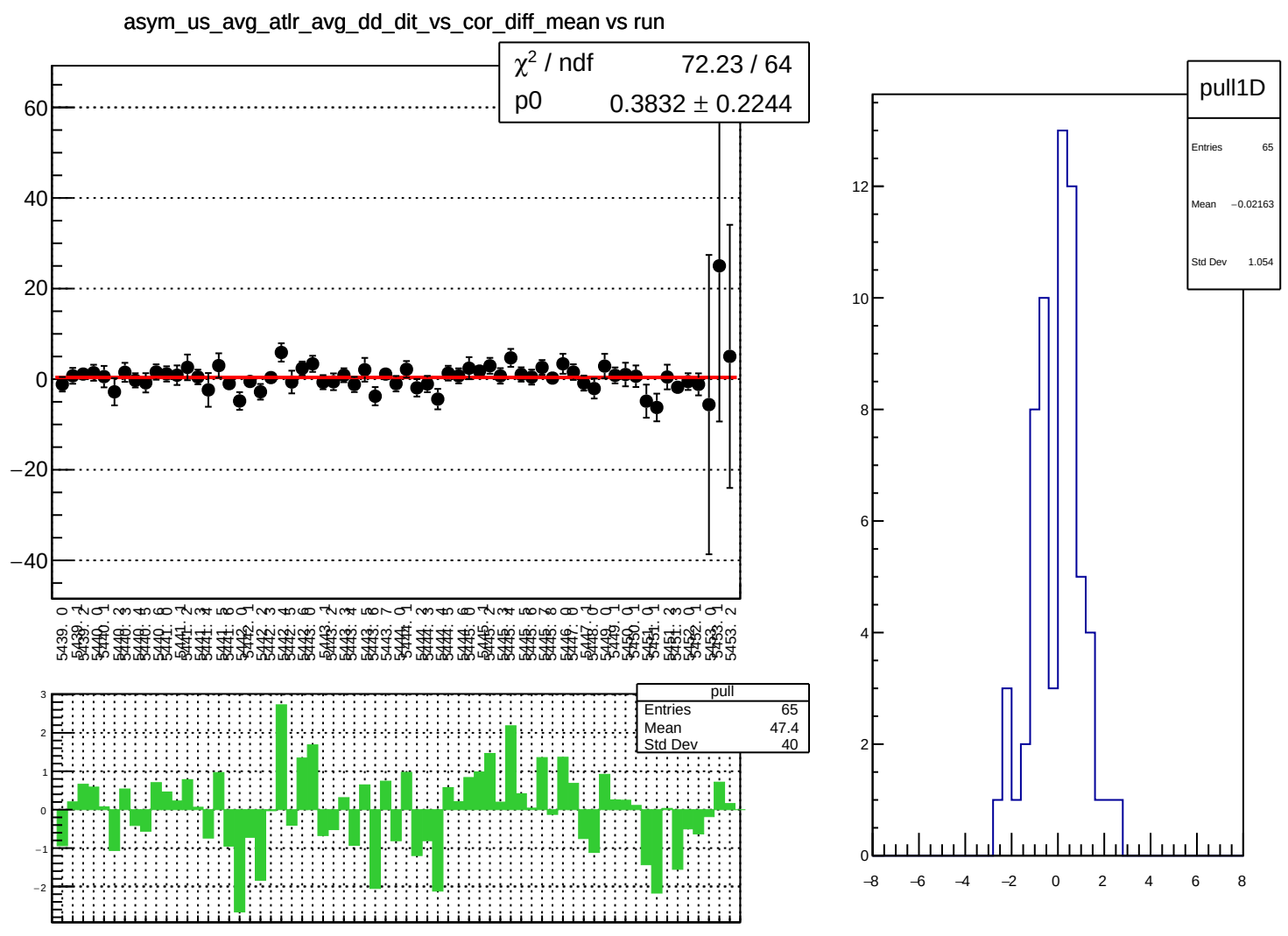

asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 66.68 / 64
p0 −5150 ± 6405
pull
Entries 65
Mean 62.78
Std Dev 24.64

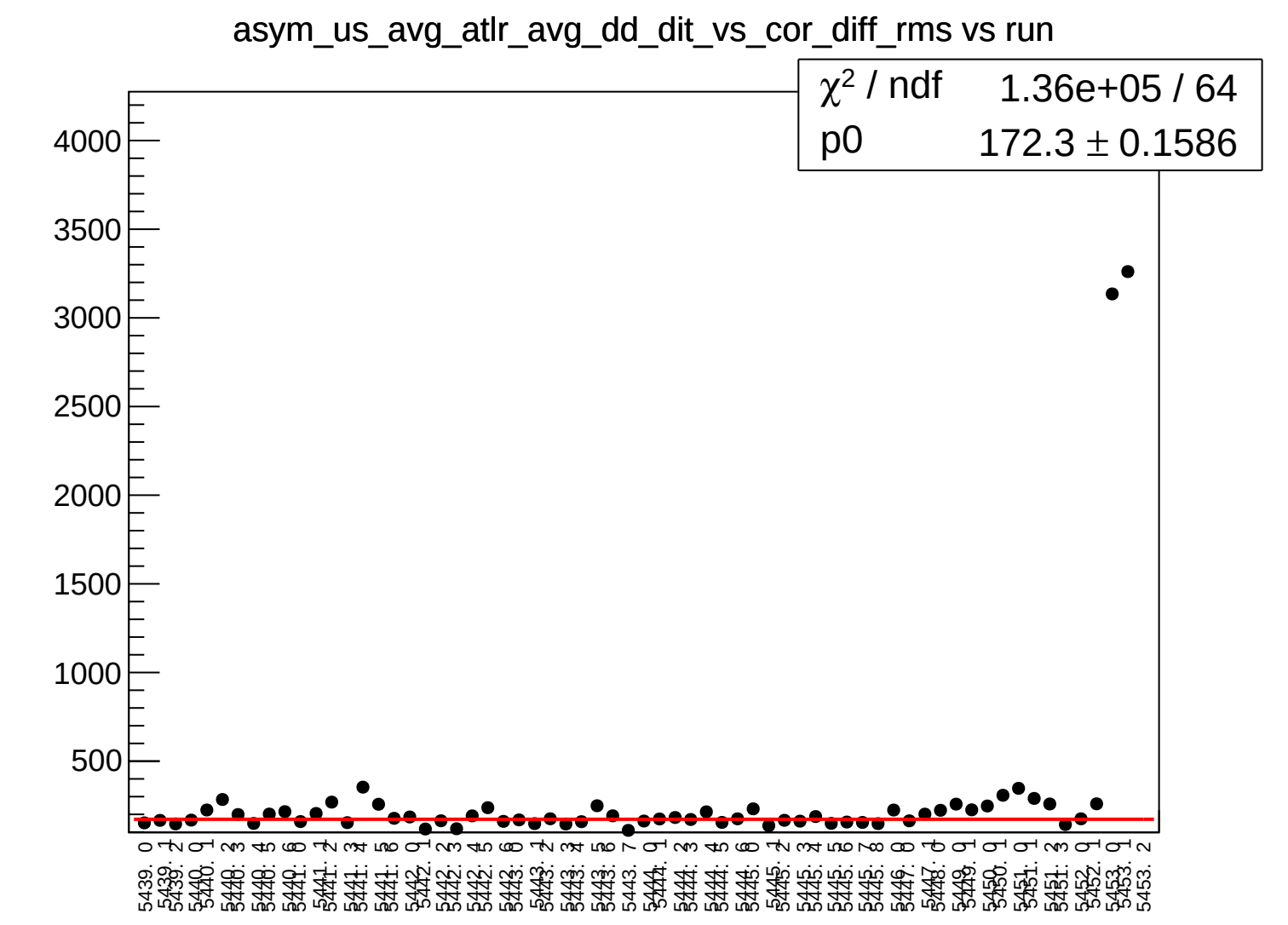

pull1D
Entries 65
Mean 0.0345
Std Dev 1.012

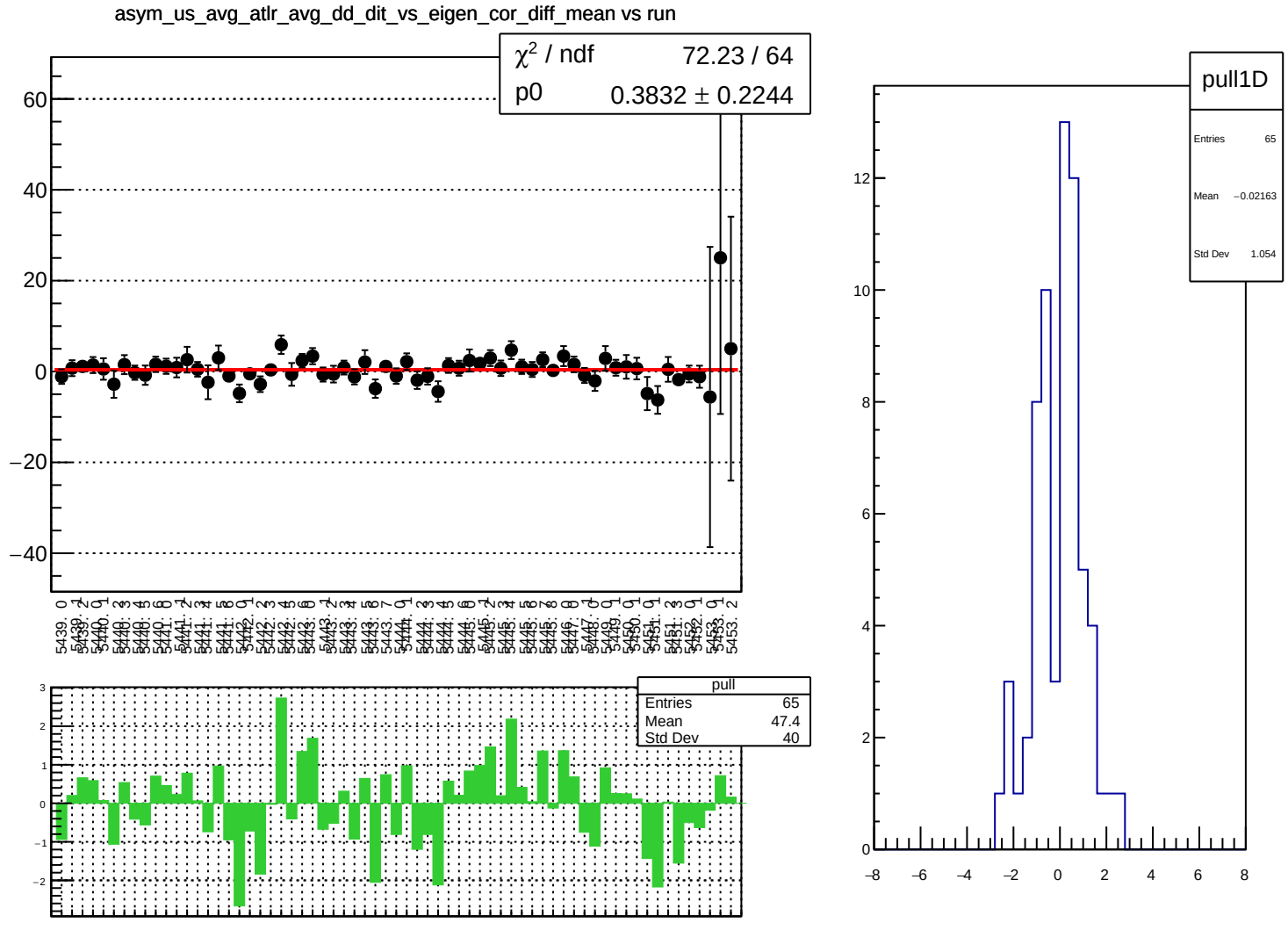

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2229 / 64
p0 5190 ± 4.529
6000
5800
5600
5400
5200
5000
4800

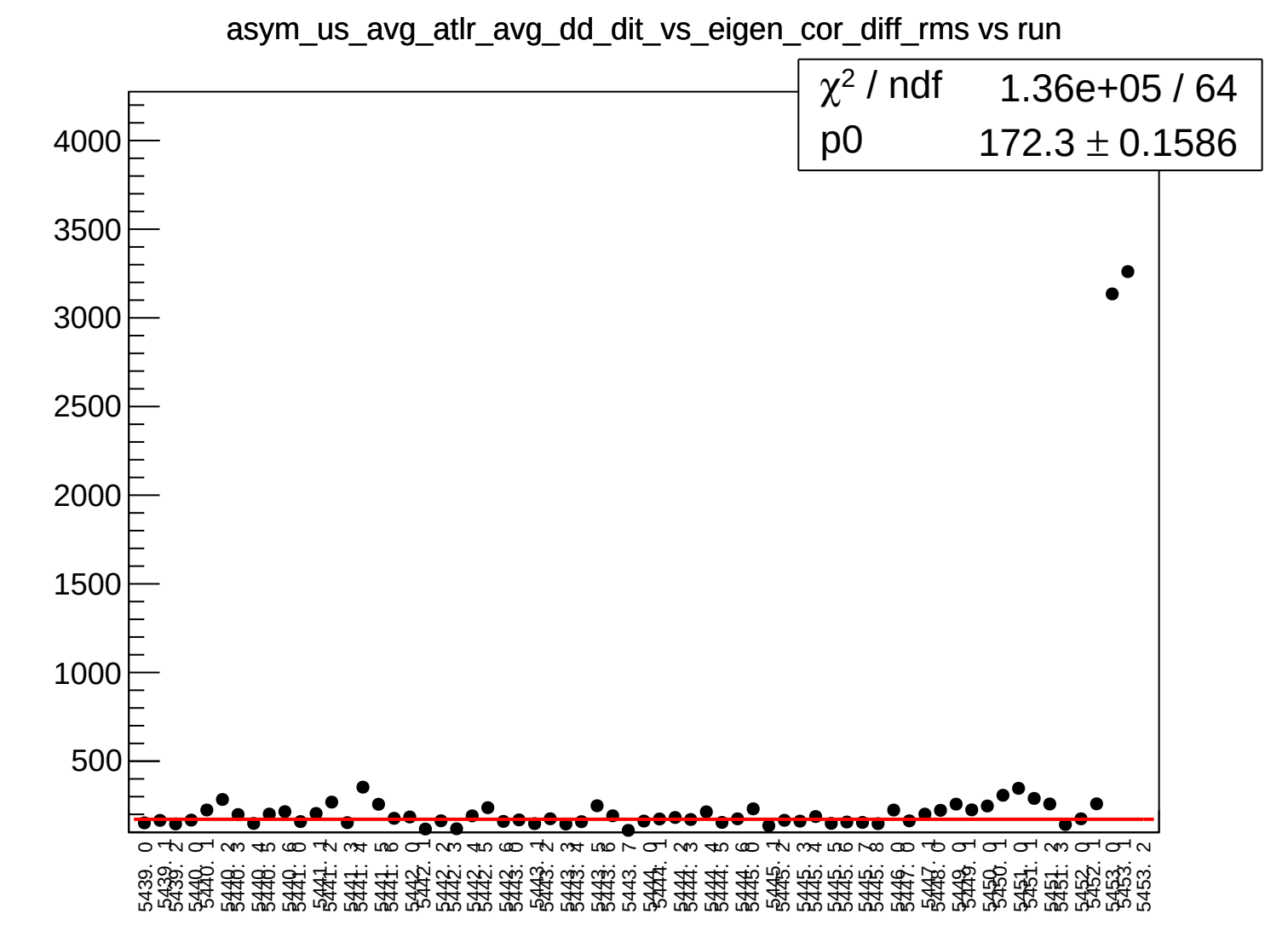

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 67.83 / 64
p0 1.211e−14 ± 1.039e−13
pull
Entries 65
Mean 47.65
Std Dev 15.48
pull1D
Entries 65
Mean −0.06902
Std Dev 1.019

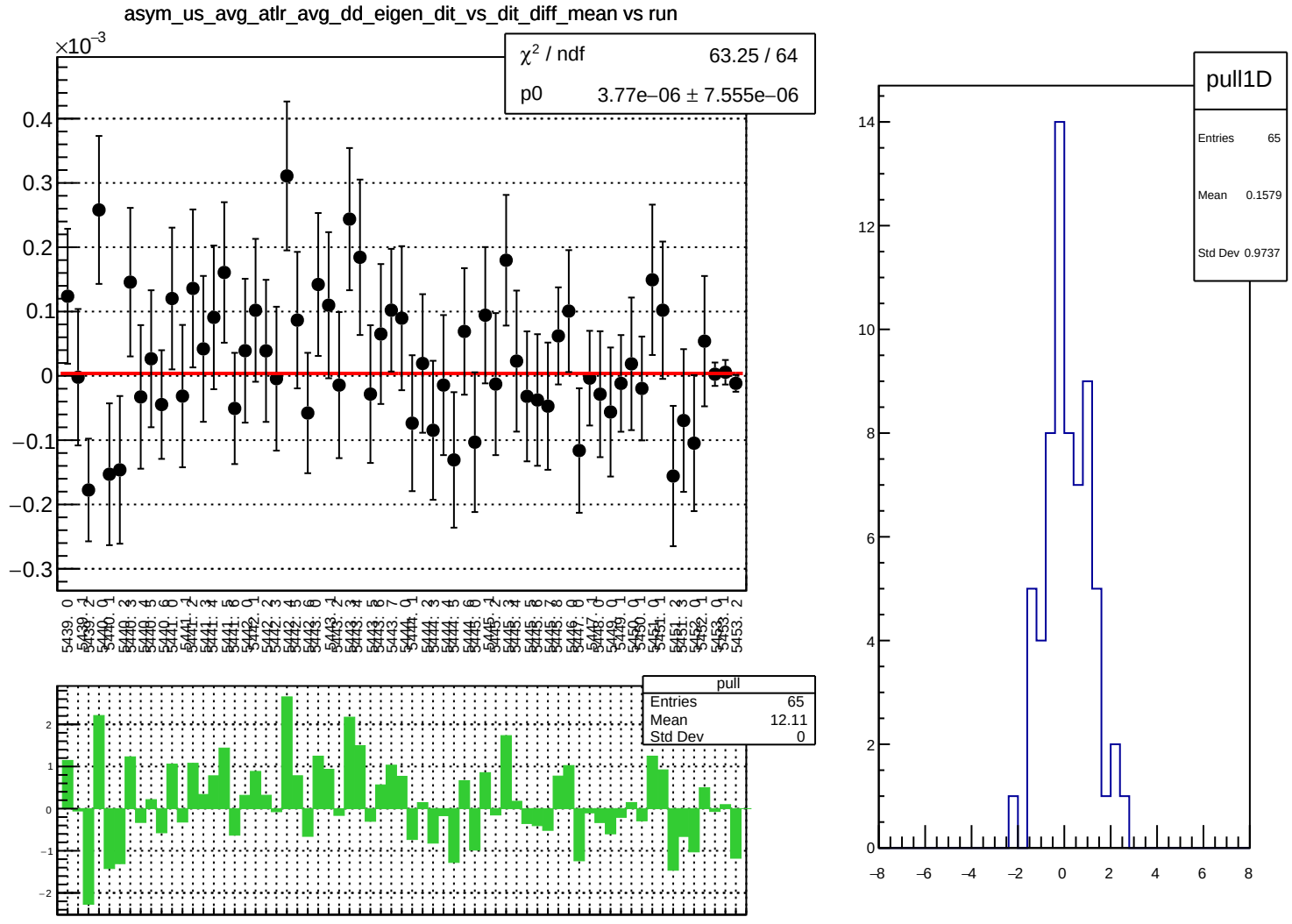

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.328e+05 / 64
p0 5.103e−11 ± 7.346e−14
100
80
60
40
20
0

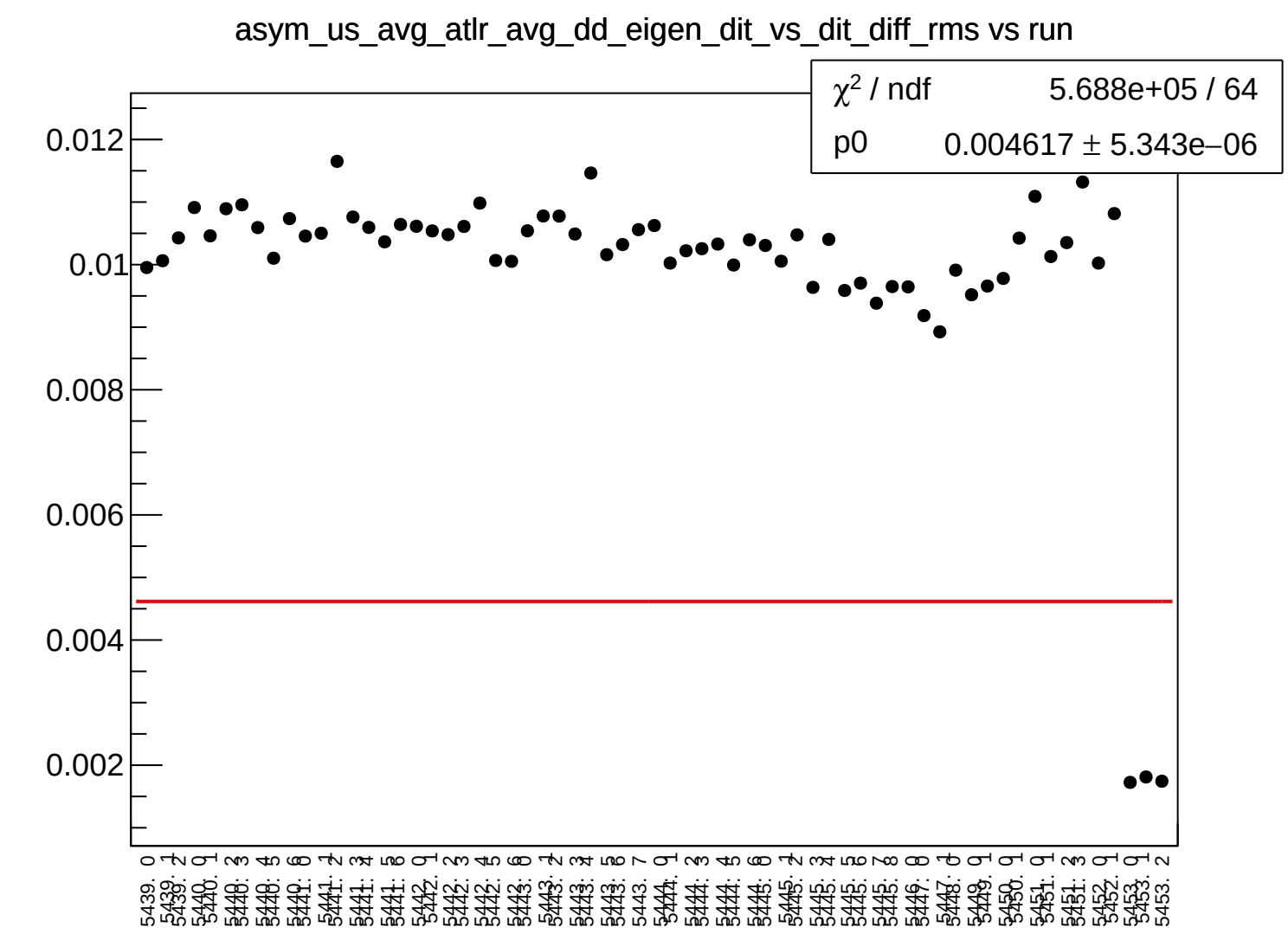

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.23 / 64
p0 0.3832 ± 0.2244
pull
Entries 65
Mean 47.4
Std Dev 40
pull1D
Entries 65
Mean −0.02163
Std Dev 1.054

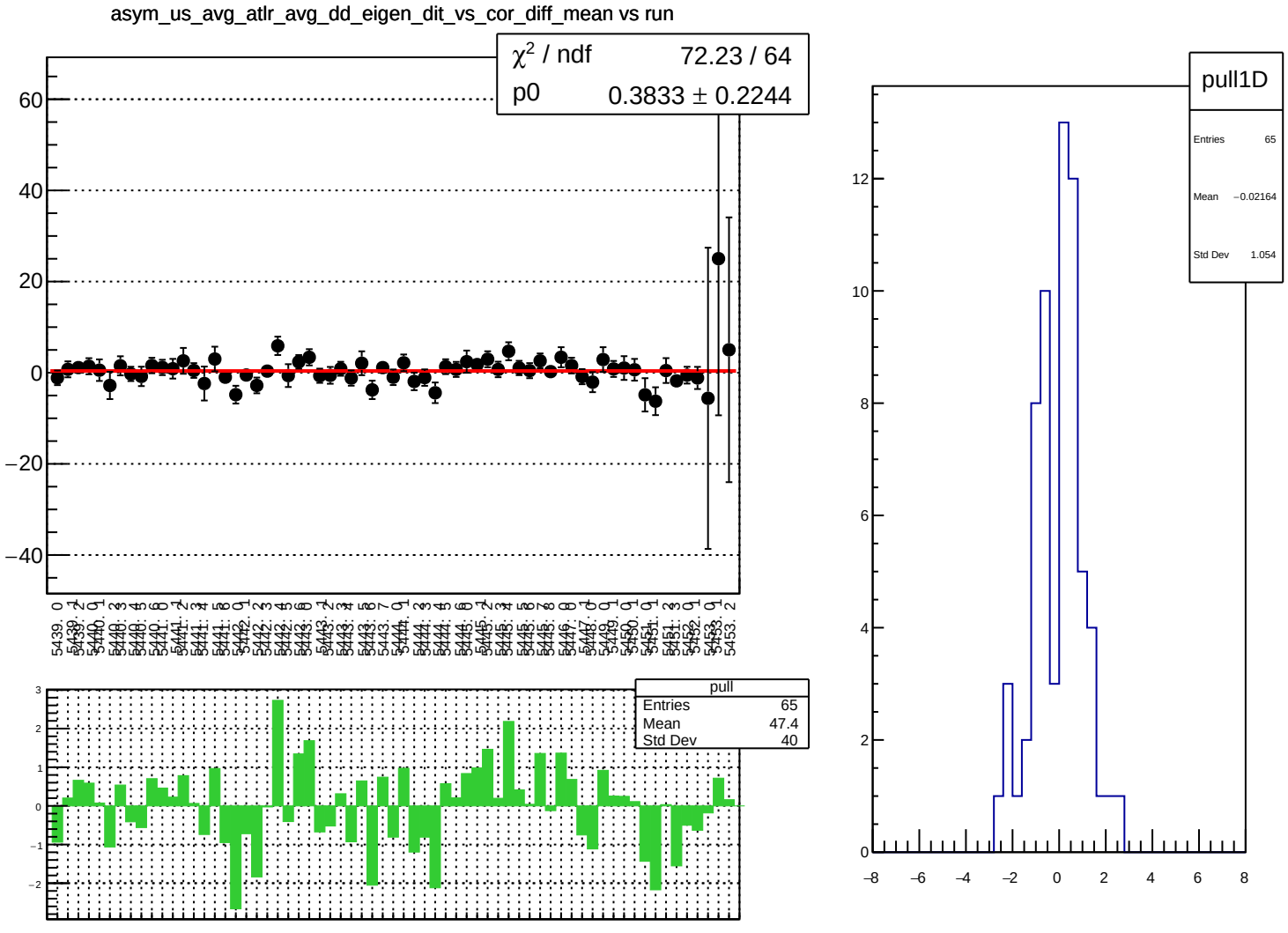

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 64
p0 172.3 ± 0.1586
4000
3500
3000
2500
2000
1500
1000
500

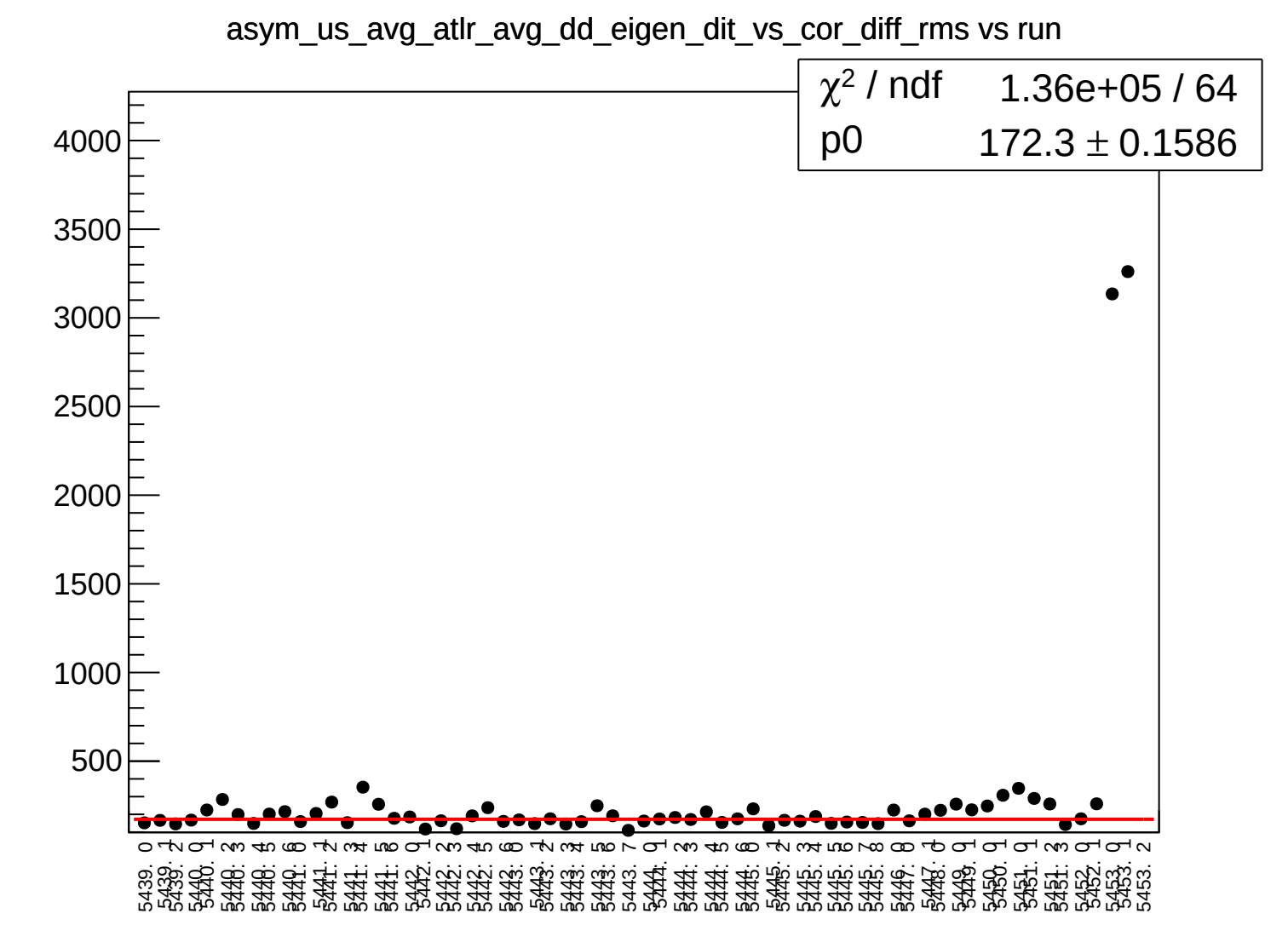

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.23 / 64
p0 0.3832 ± 0.2244
pull
Entries 65
Mean 47.4
Std Dev 40
pull1D
Entries 65
Mean −0.02163
Std Dev 1.054

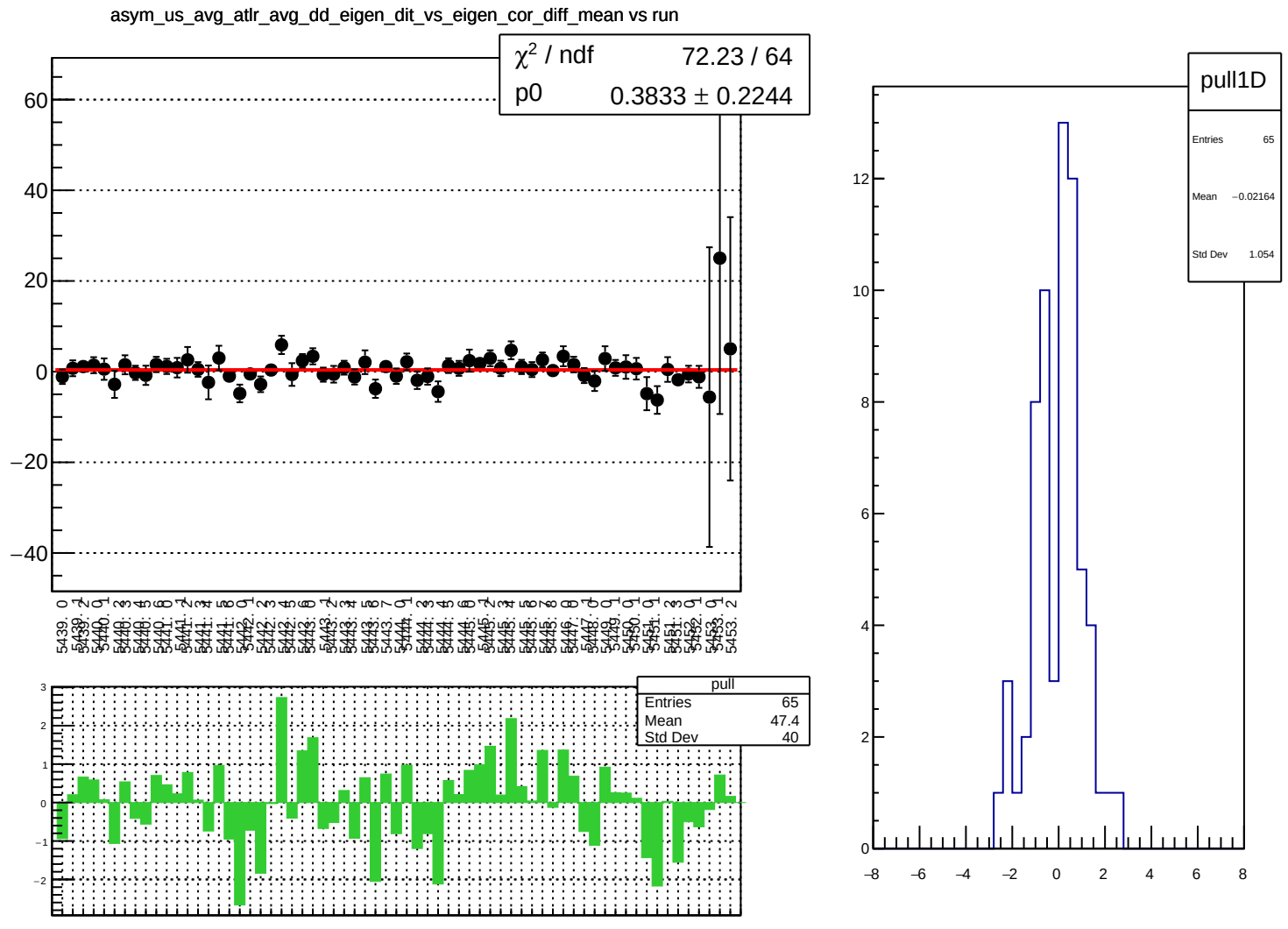

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 64
p0 172.3 ± 0.1586
4000
3500
3000
2500
2000
1500
1000
500

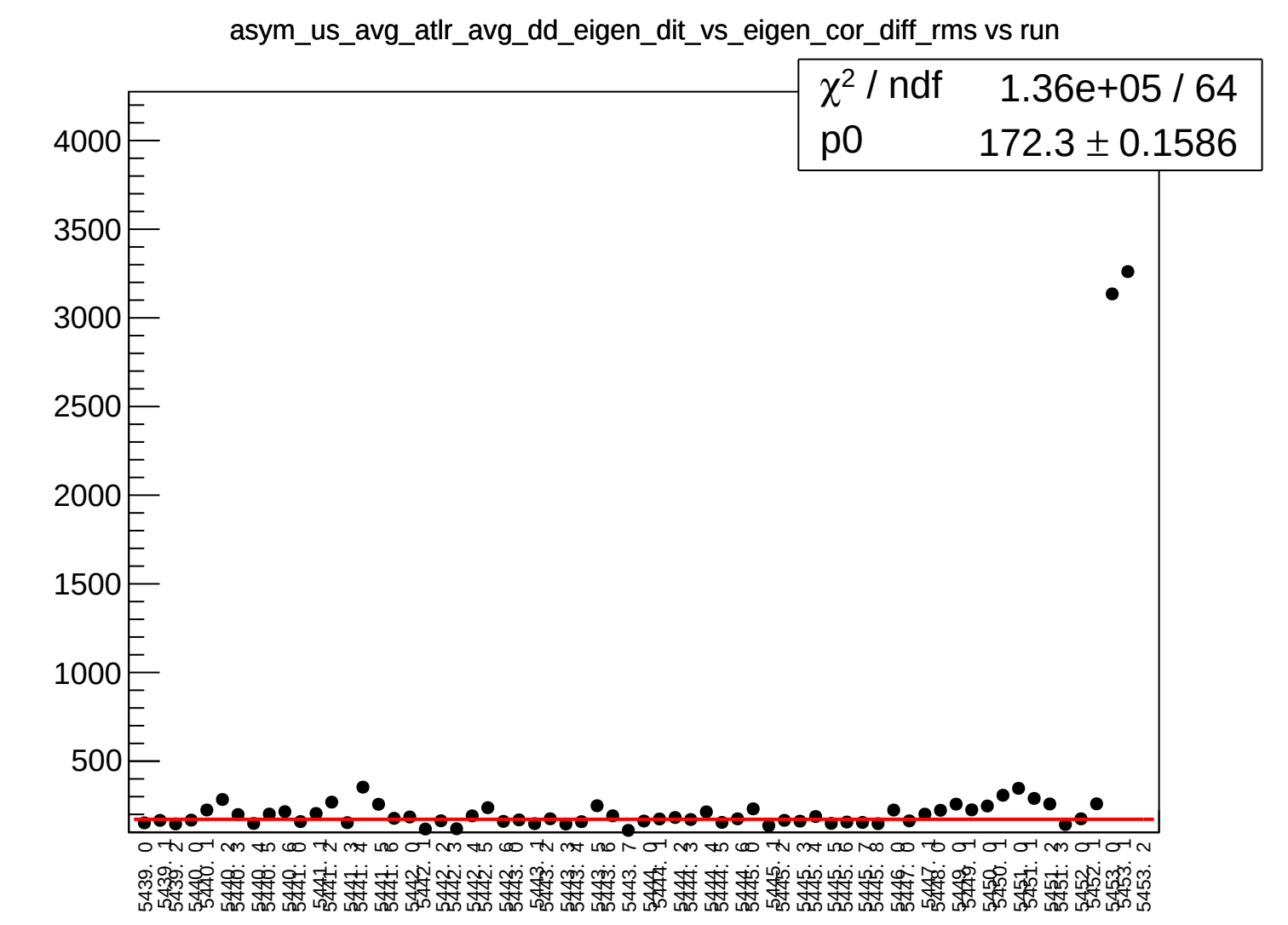

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.25 / 64
p0 3.77e−06 ± 7.555e−06
pull
Entries 65
Mean 12.11
Std Dev 0
pull1D
Entries 65
Mean 0.1579
Std Dev 0.9737

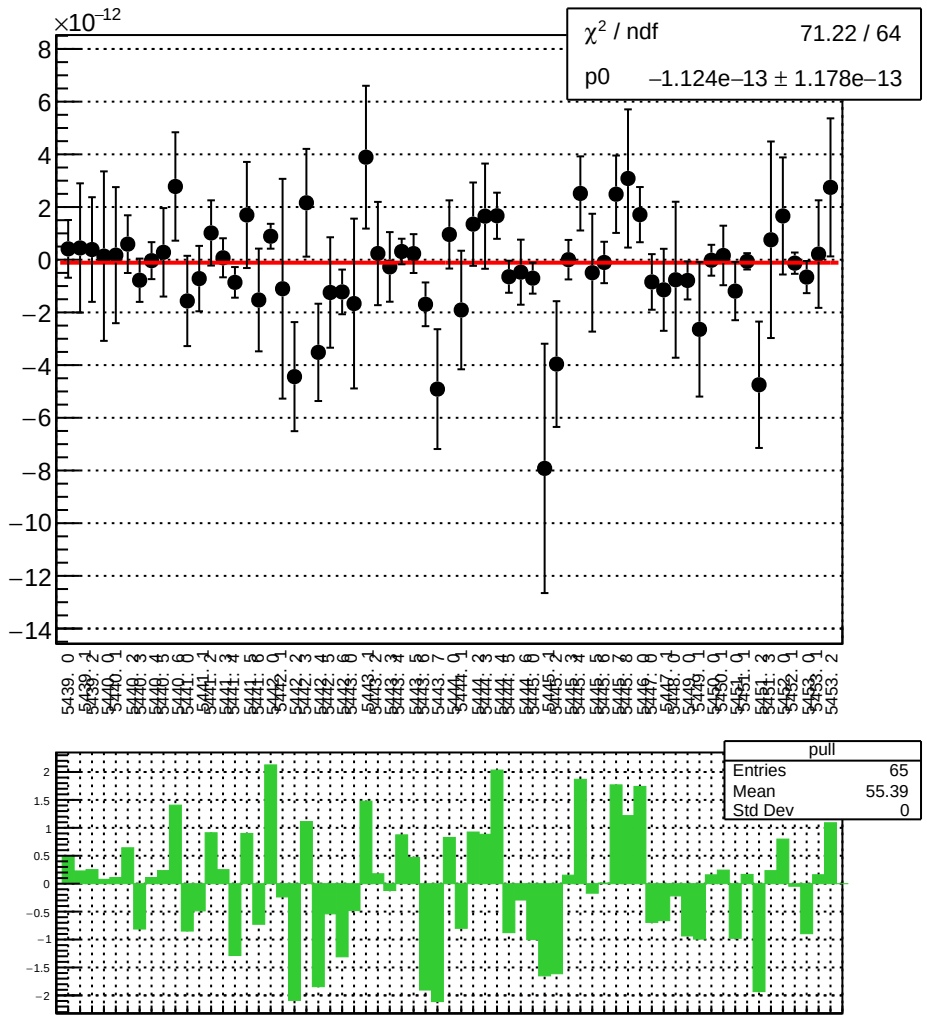

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.688e+05 / 64
p0 0.004617 ± 5.343e−06
0.012
0.01
0.008
0.006
0.004
0.002

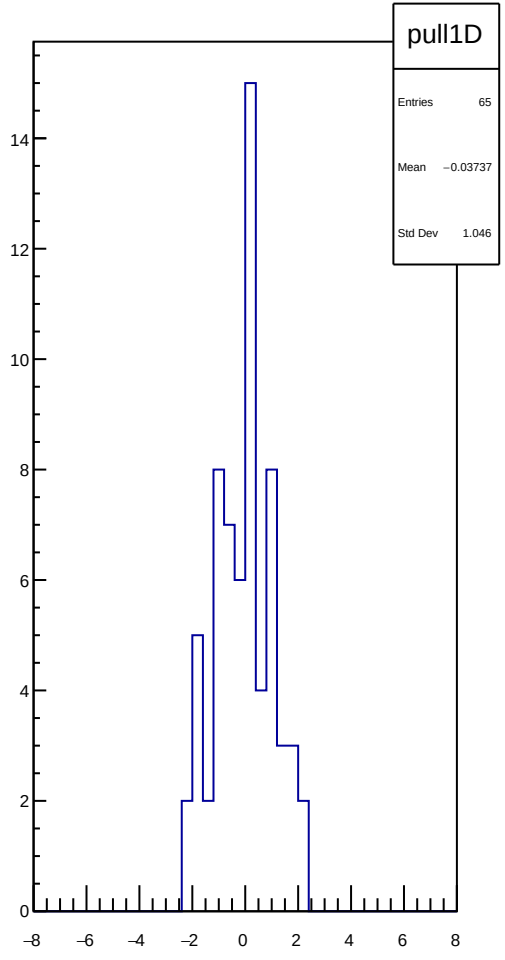

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.23 / 64
p0 0.3833 ± 0.2244
pull
Entries 65
Mean 47.4
Std Dev 40
pull1D
Entries 65
Mean −0.02164
Std Dev 1.054

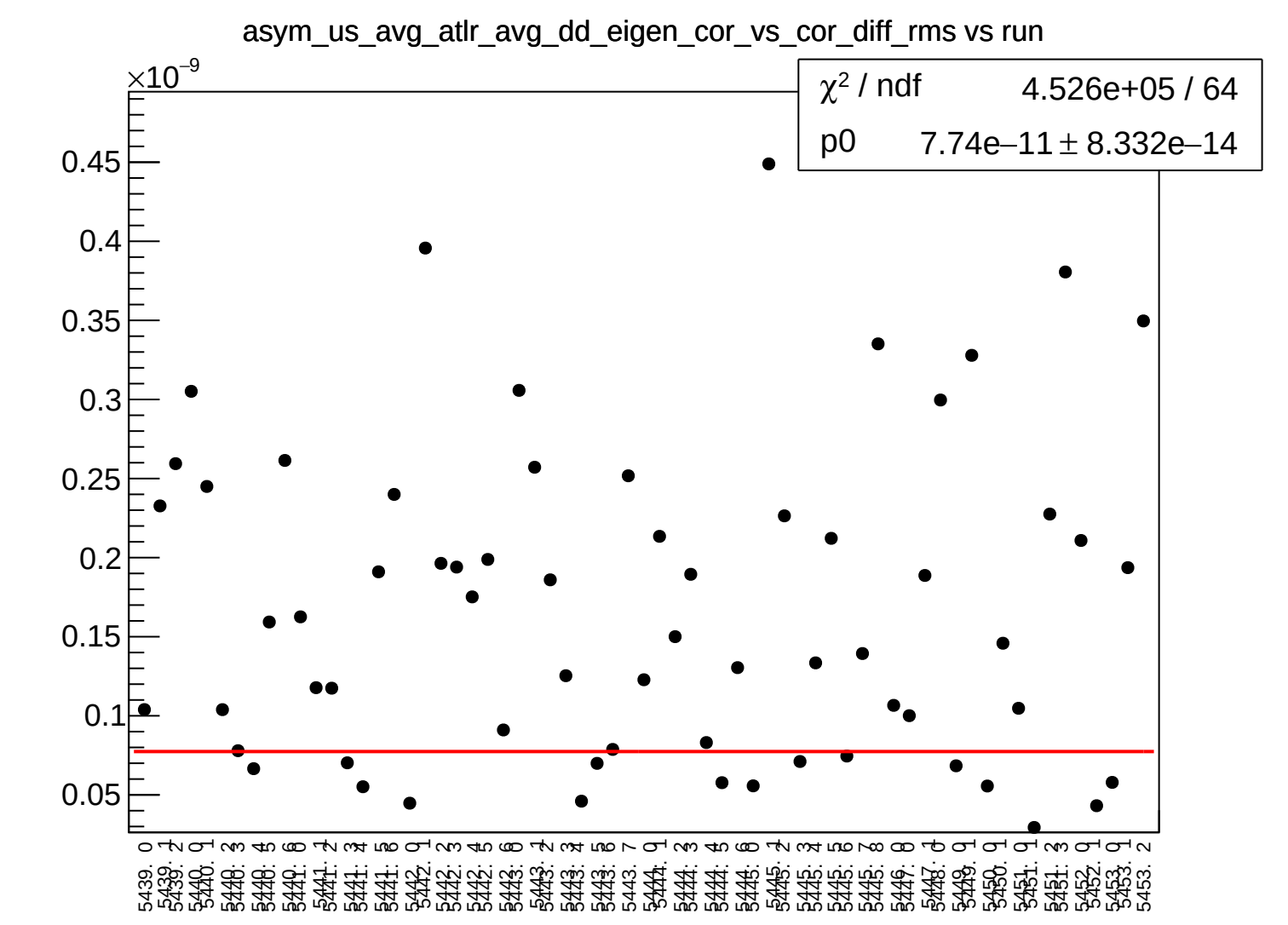

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 64
p0 172.3 ± 0.1586
4000
3500
3000
2500
2000
1500
1000
500

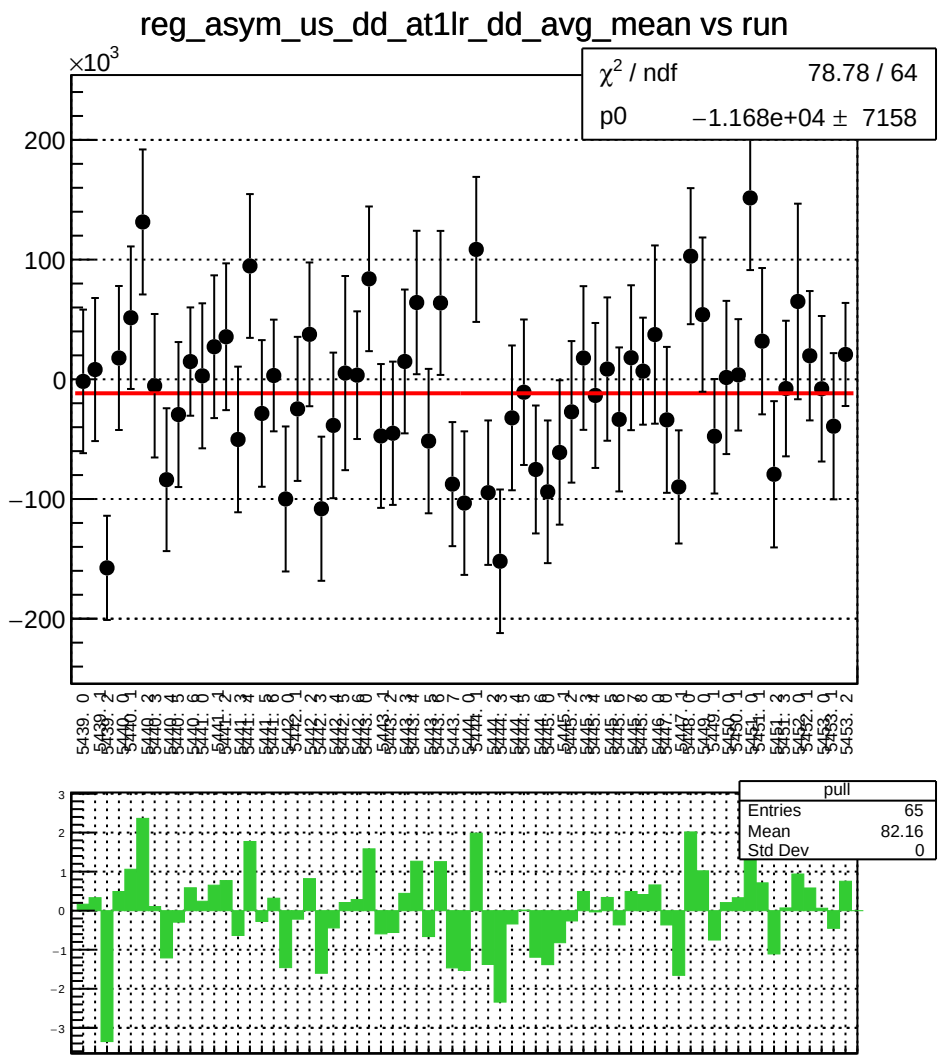

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.23 / 64
p0 0.3833 ± 0.2244
pull
Entries 65
Mean 47.4
Std Dev 40
pull1D
Entries 65
Mean −0.02164
Std Dev 1.054

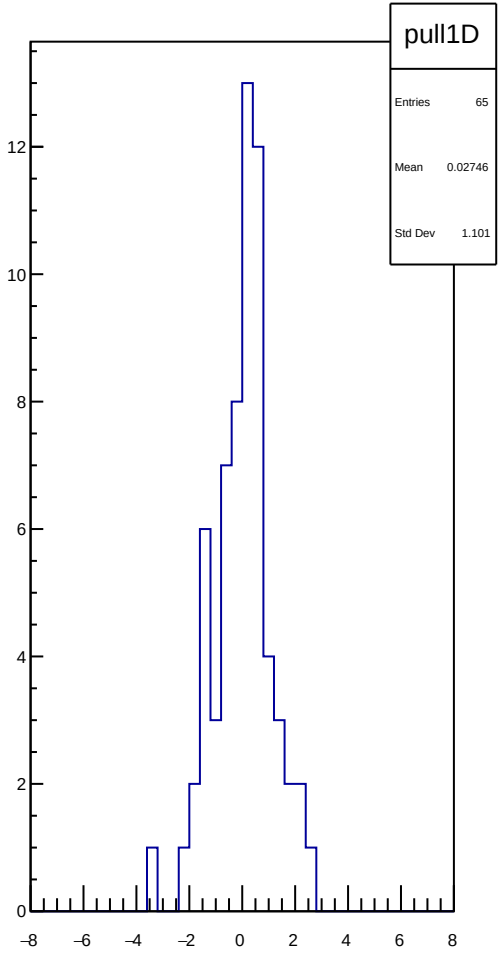

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 64
p0 172.3 ± 0.1586
4000
3500
3000
2500
2000
1500
1000
500

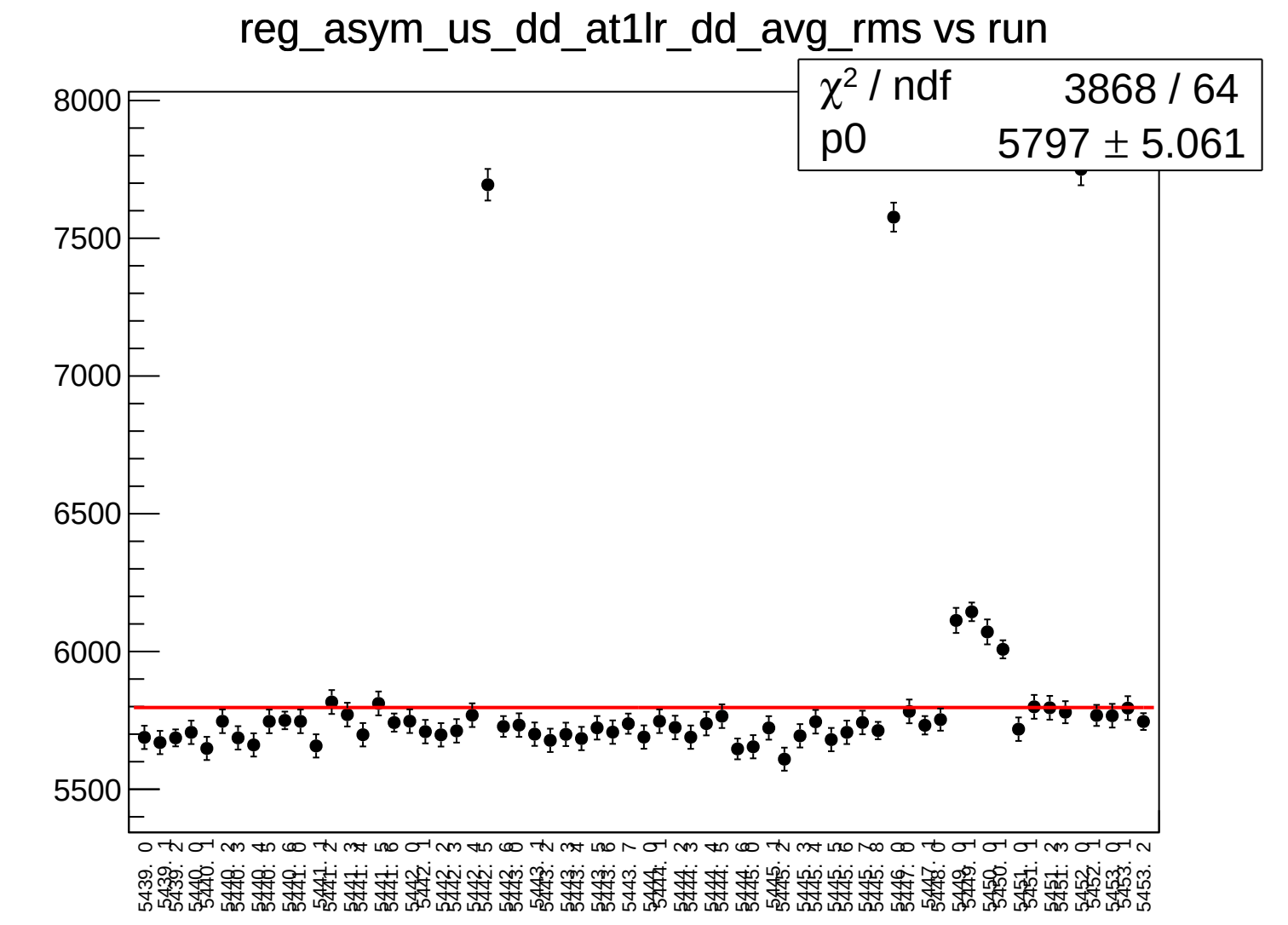

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.22 / 64
p0 −1.124e−13 ± 1.178e−13
pull
Entries 65
Mean 55.39
Std Dev 0

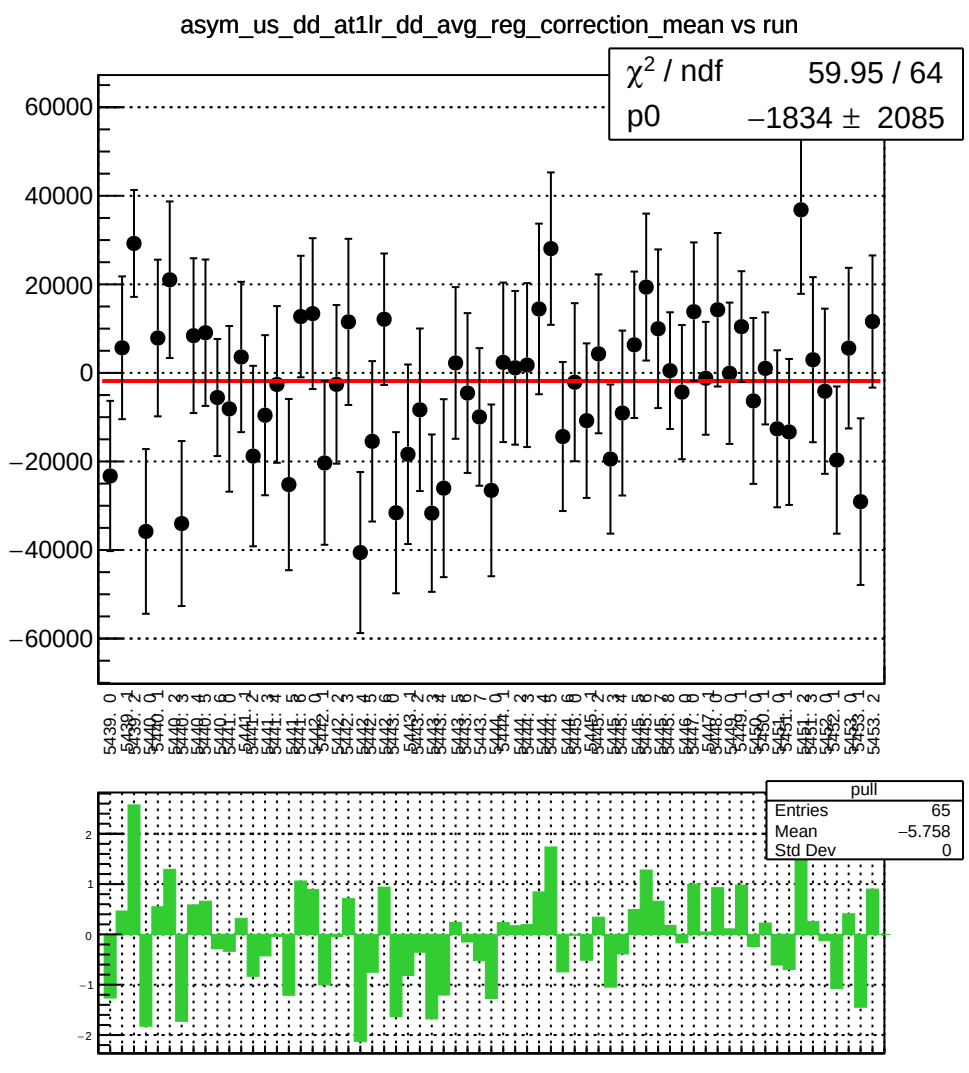

pull1D
Entries 65
Mean −0.03737
Std Dev 1.046

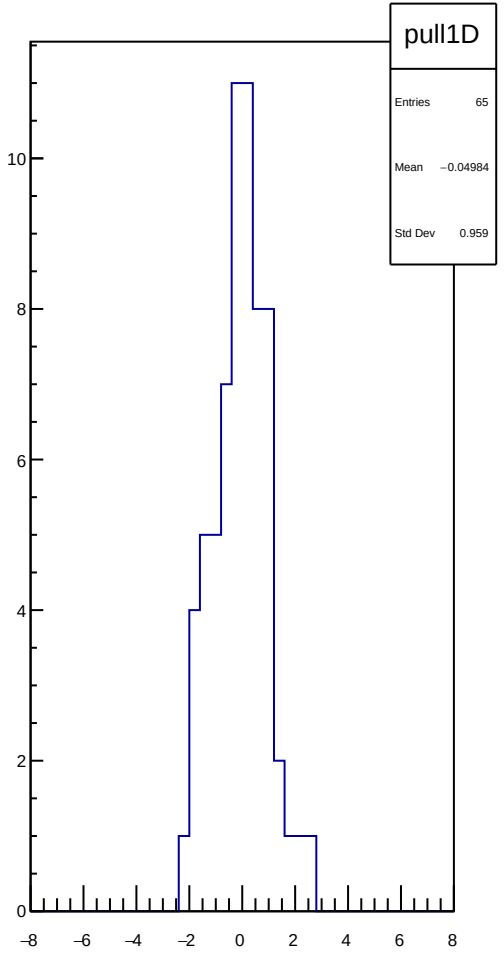

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.526e+05 / 64
p0 7.74e−11 ± 8.332e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

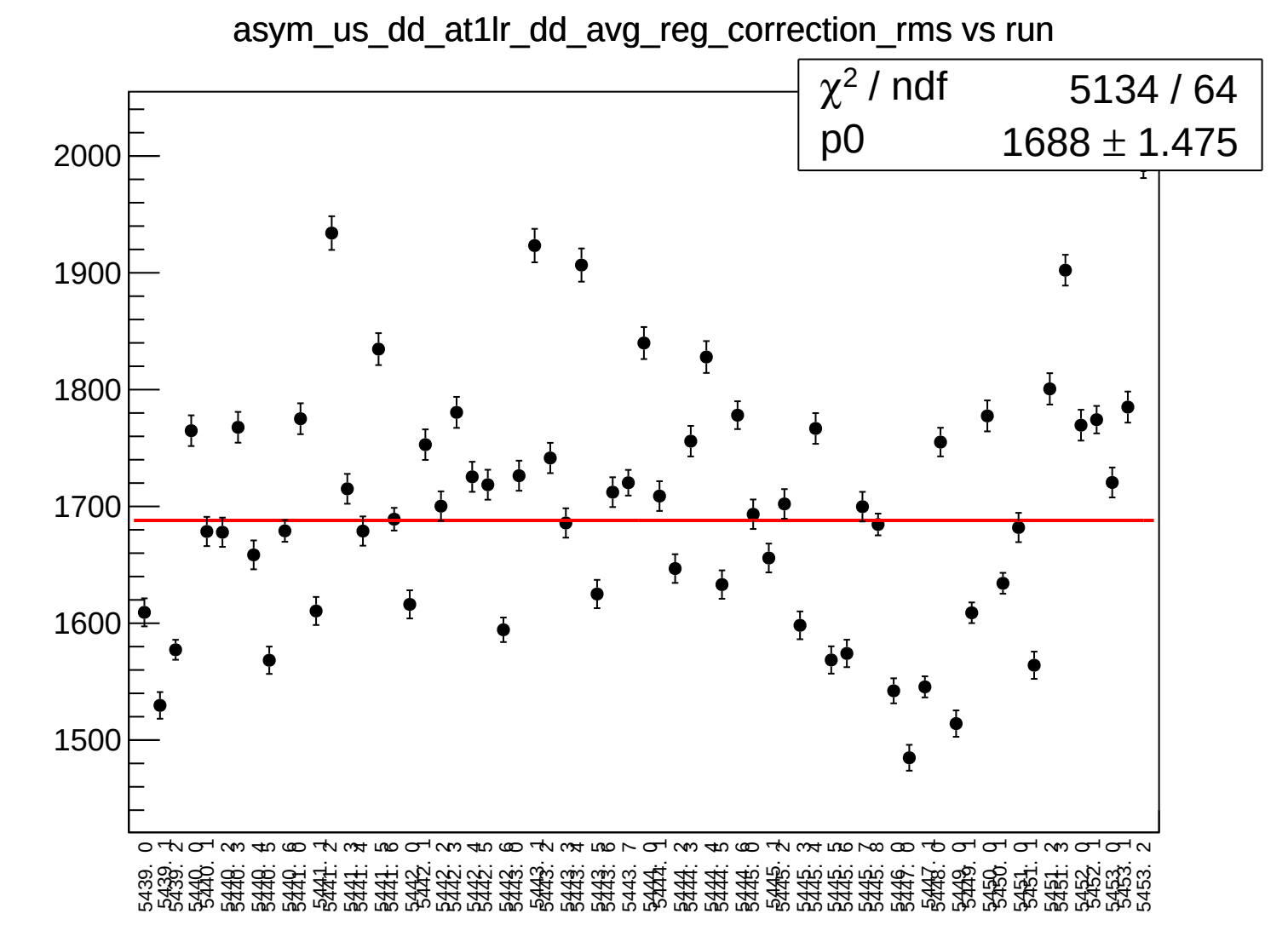

reg_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 78.78 / 64
p0 −1.168e+04 ± 7158
200
100
0
−100
−200
pull
Entries 65
Mean 82.16
Std Dev 0
3
2
1
0
−1
−2
−3

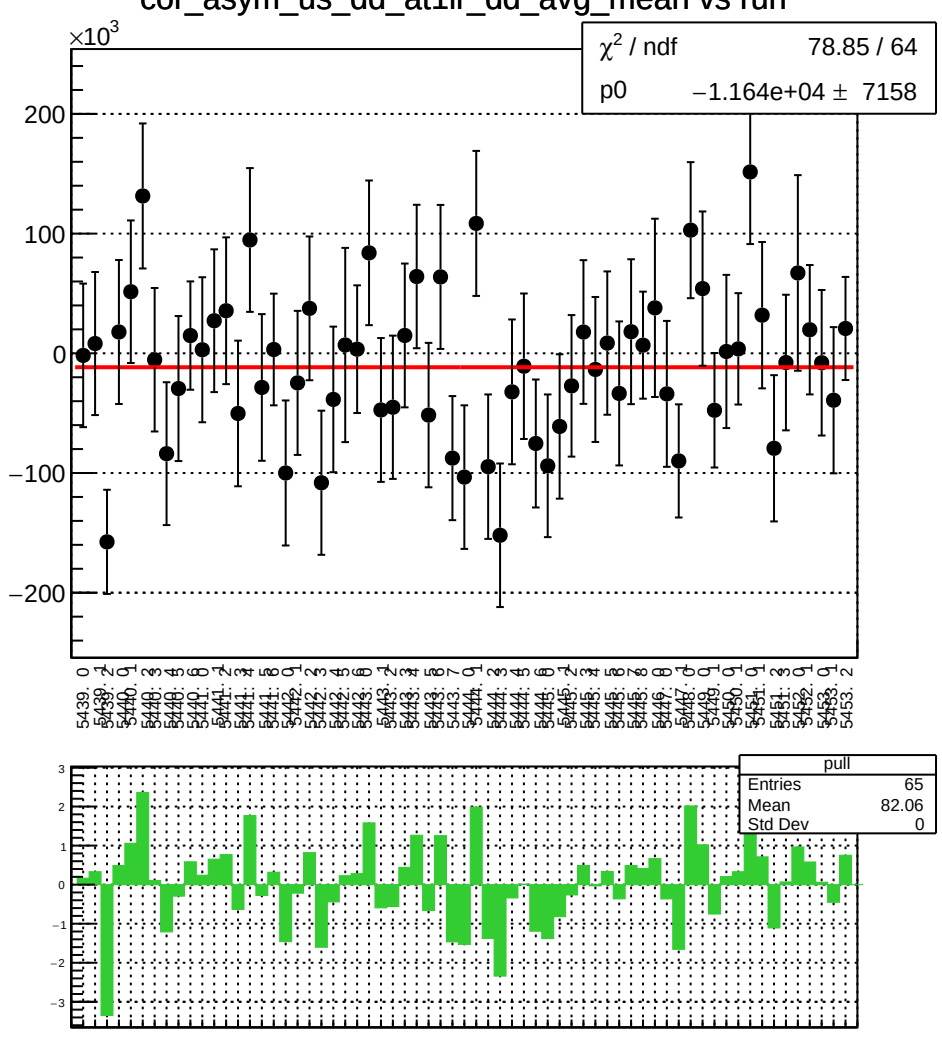

pull1D
Entries 65
Mean 0.02746
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

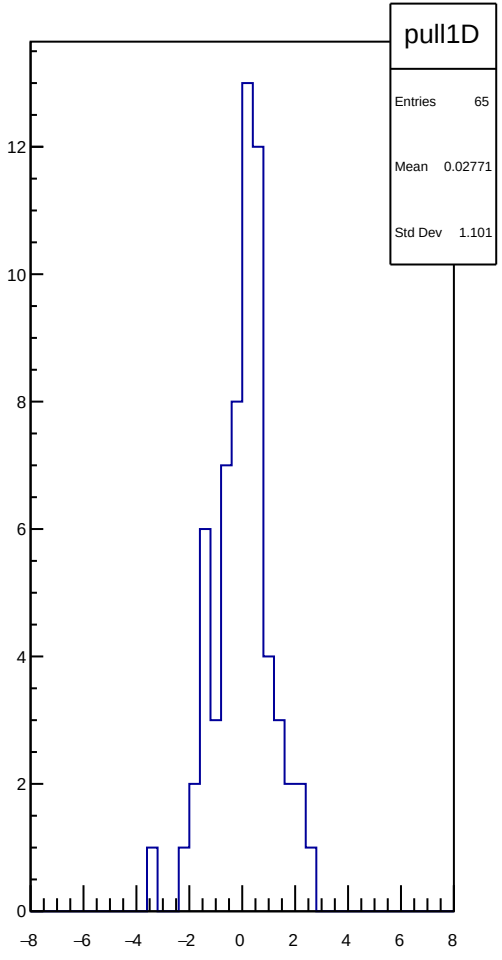

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 3868 / 64
p0 5797 ± 5.061
8000
7500
7000
6500
6000
5500

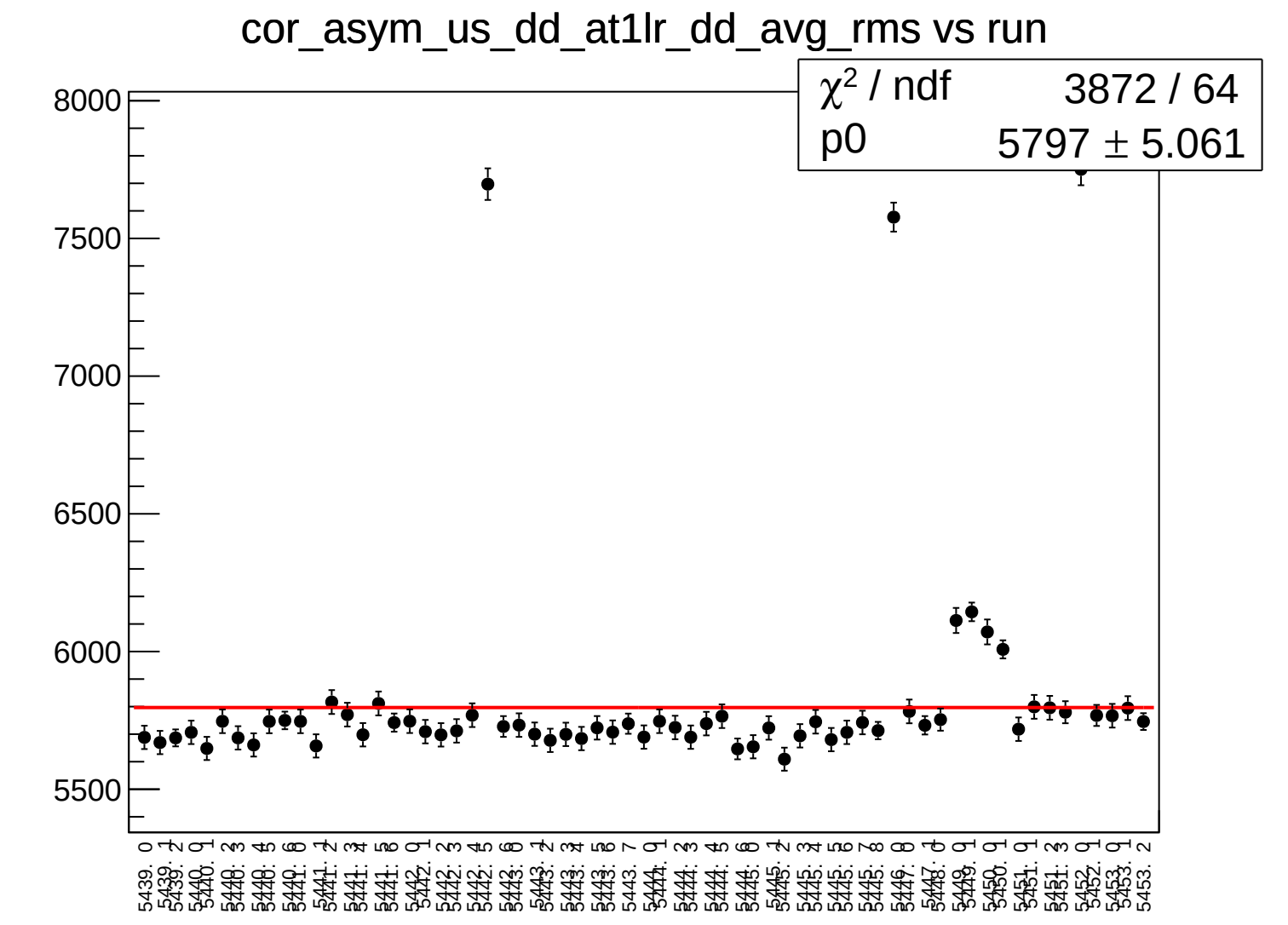

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 59.95 / 64
p0 −1834 ± 2085
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −5.758
Std Dev 0
2
1
0
−1
−2

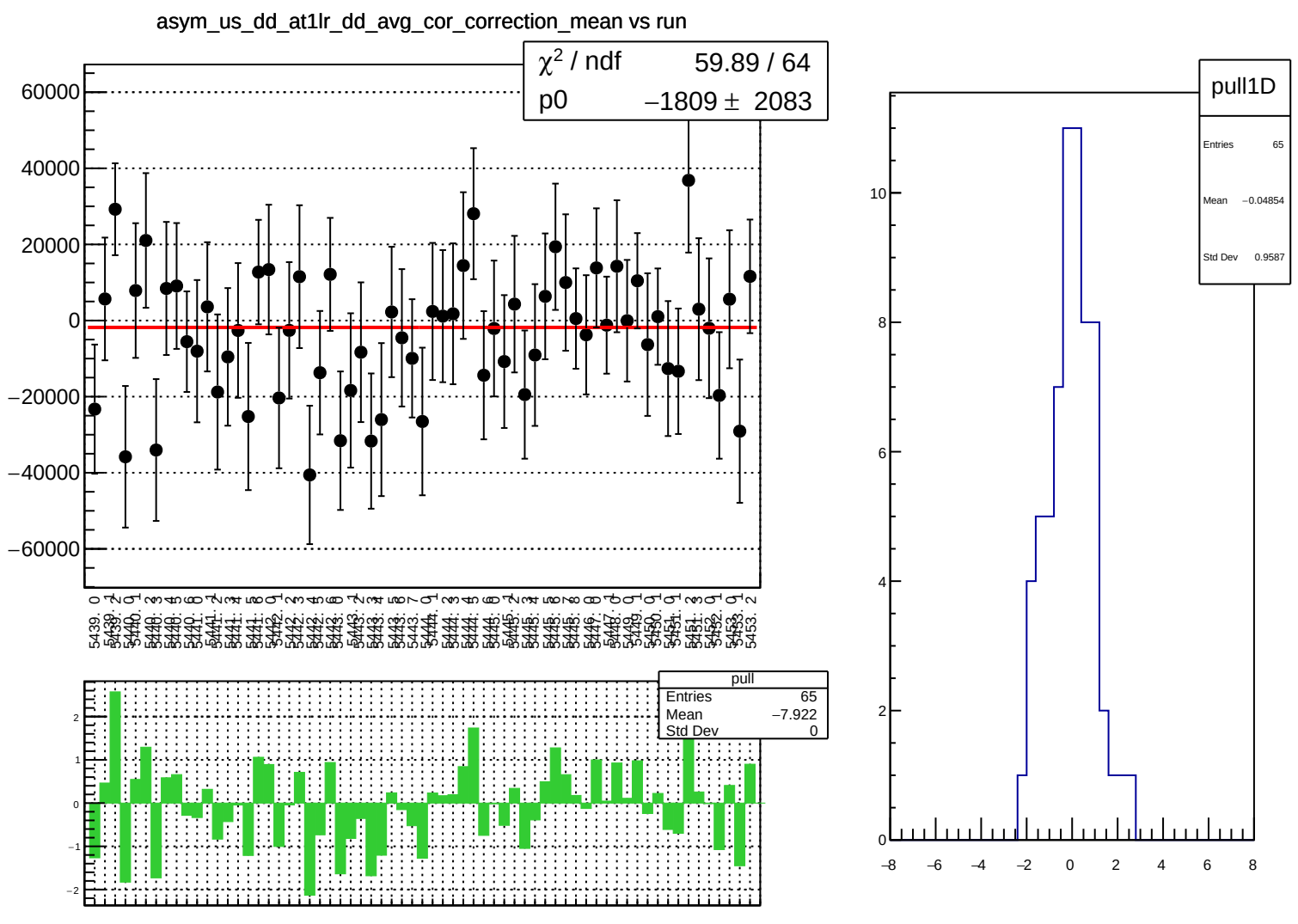

pull1D
Entries 65
Mean −0.04984
Std Dev 0.959
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

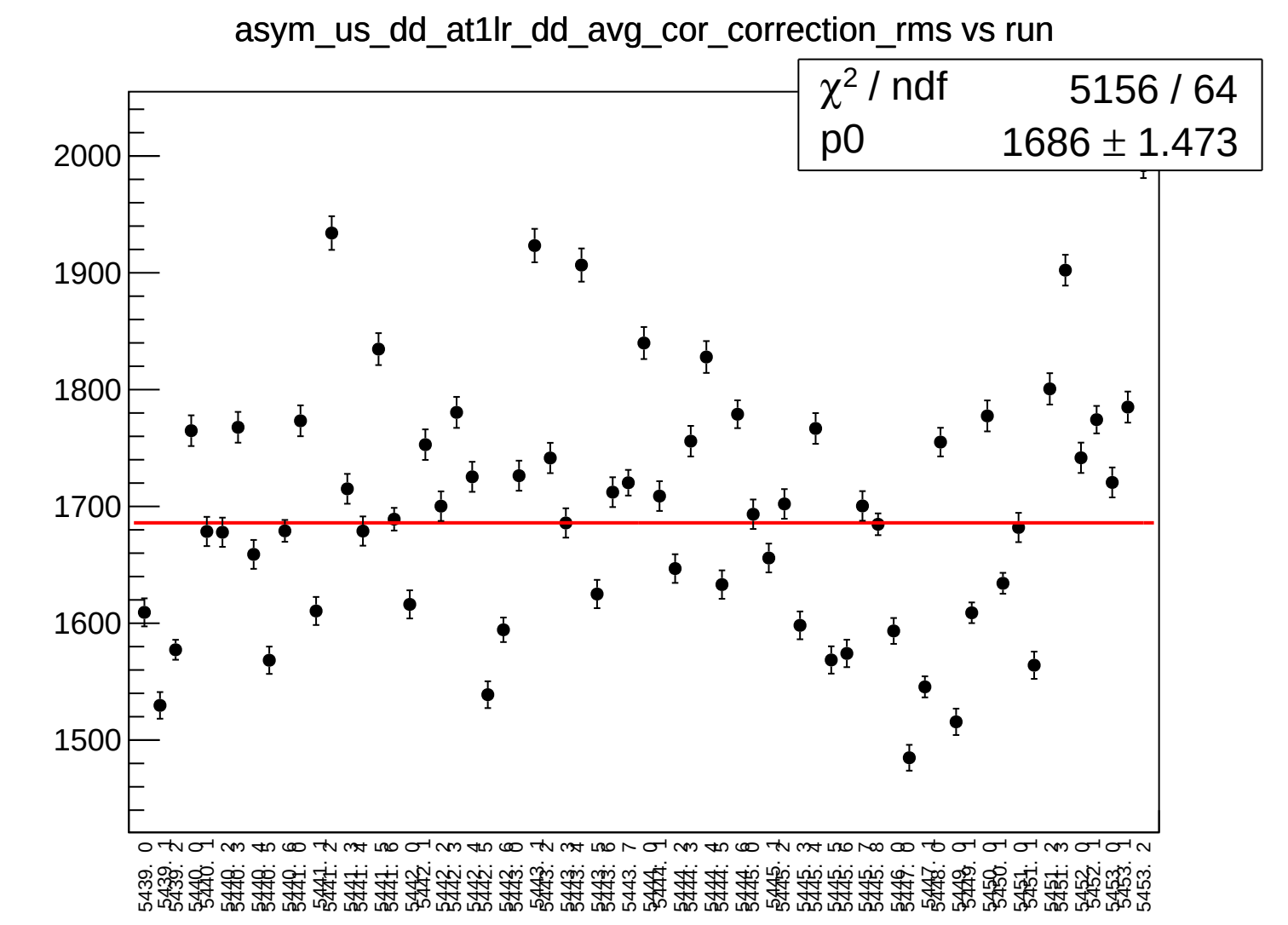

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5134 / 64
p0 1688 ± 1.475
2000
1900
1800
1700
1600
1500

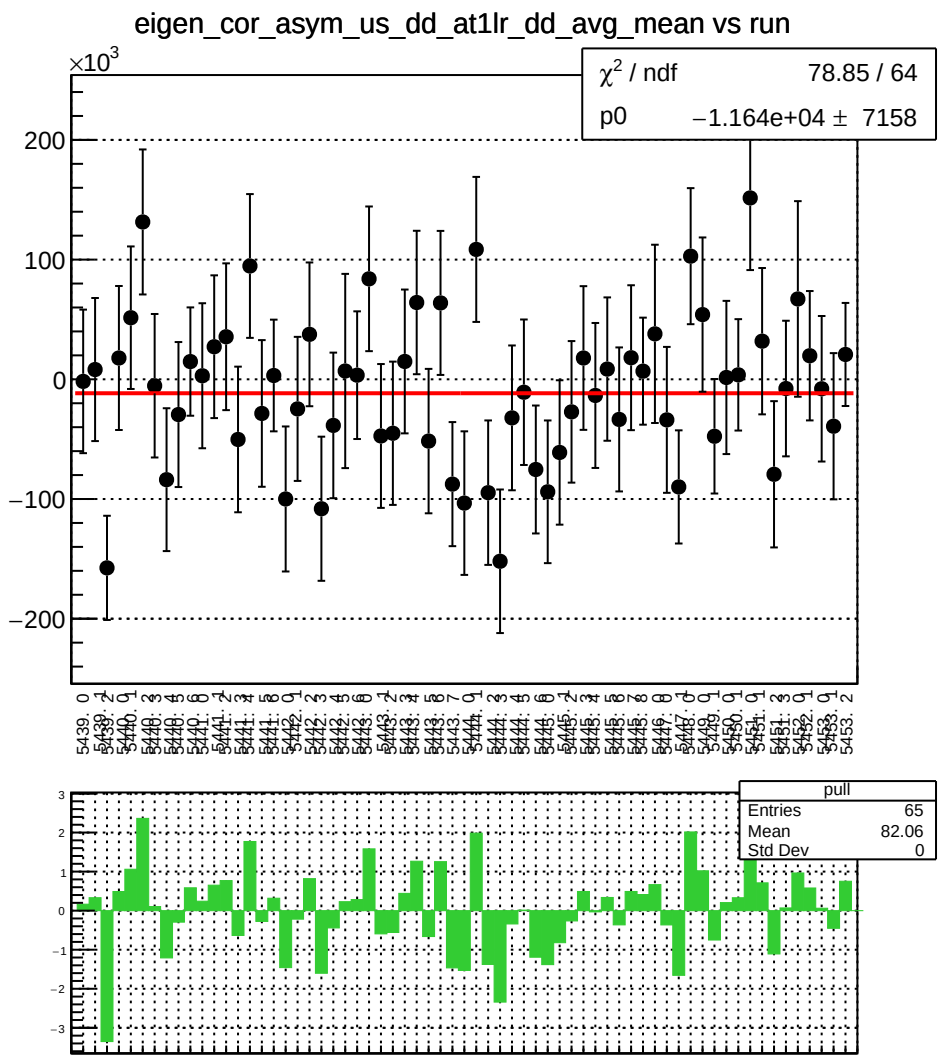

cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 78.85 / 64
p0 −1.164e+04 ± 7158
200
100
0
−100
−200
pull
Entries 65
Mean 82.06
Std Dev 0
3
2
1
0
−1
−2
−3

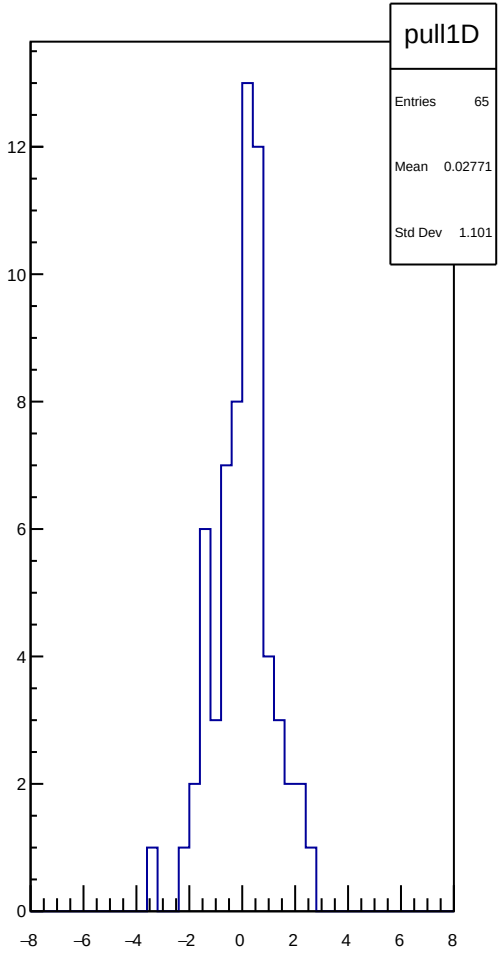

pull1D
Entries 65
Mean 0.02771
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

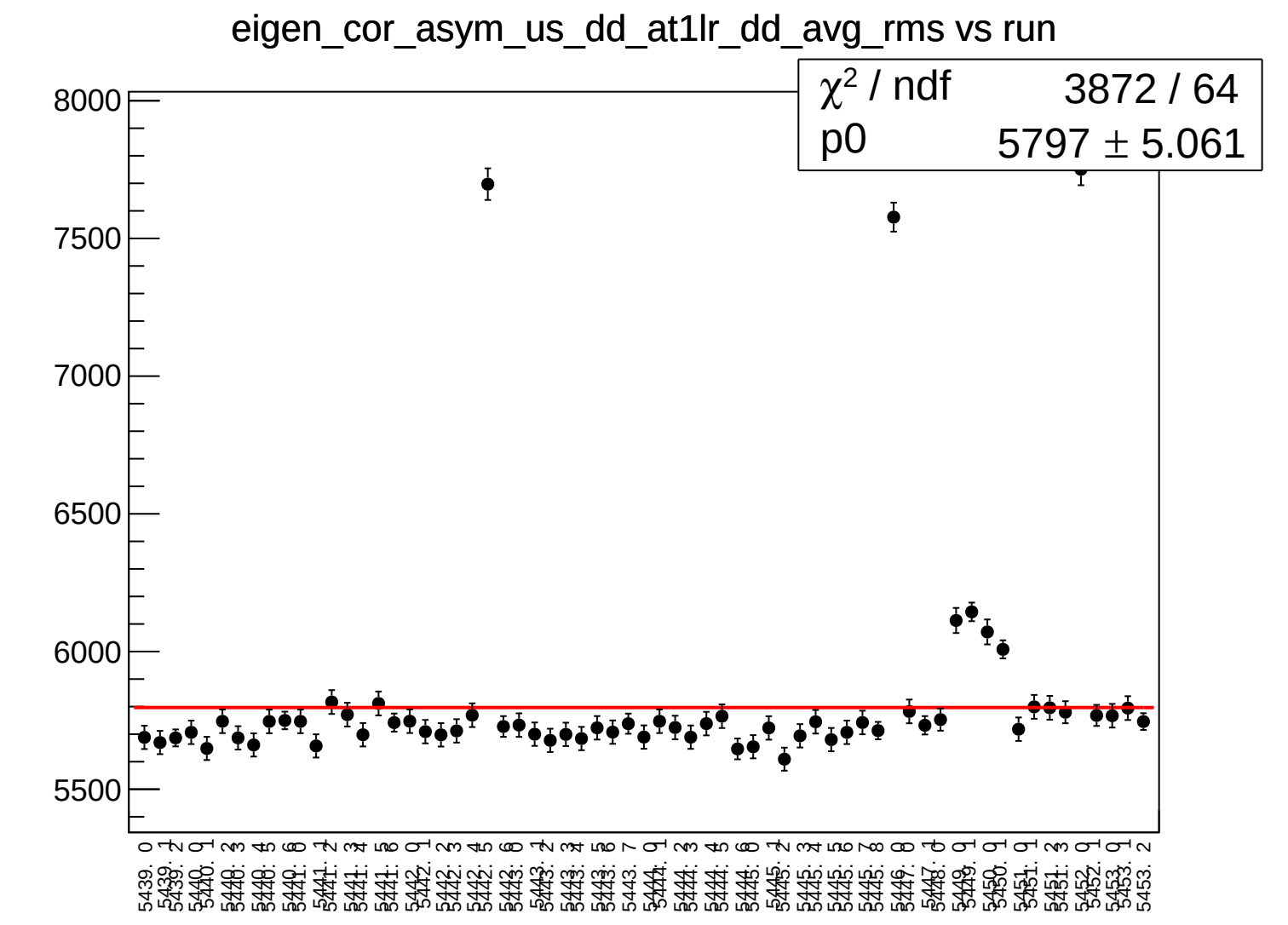

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 3872 / 64
p0 5797 ± 5.061
8000
7500
7000
6500
6000
5500

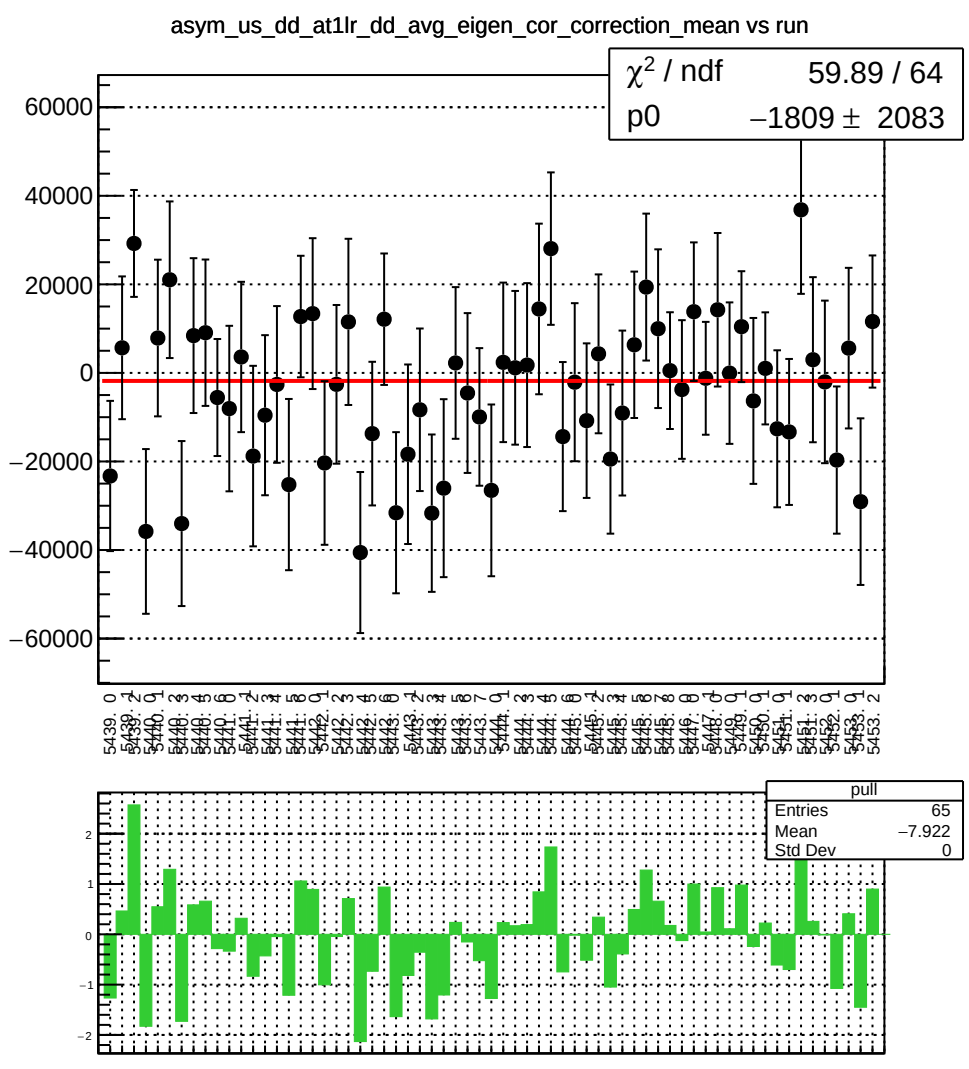

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 59.89 / 64
p0 −1809 ± 2083
pull
Entries 65
Mean −7.922
Std Dev 0
pull1D
Entries 65
Mean −0.04854
Std Dev 0.9587

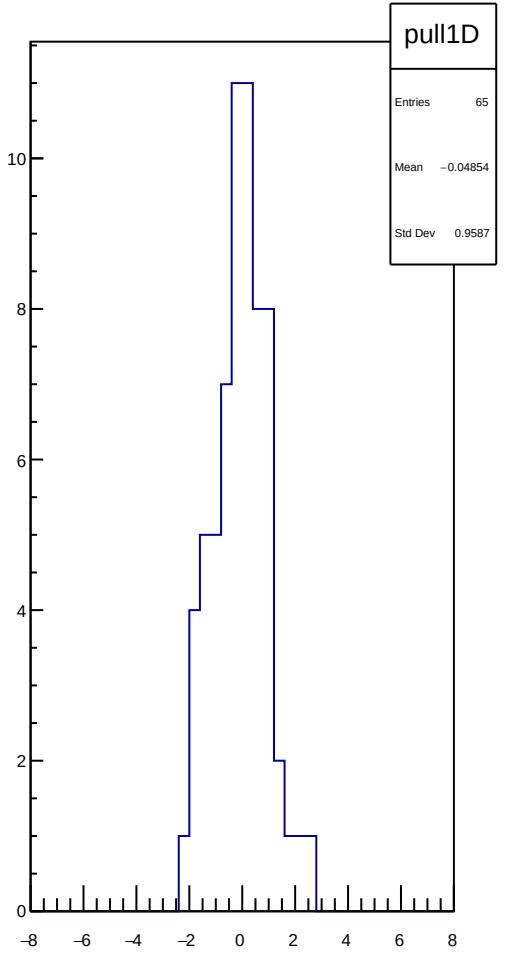

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 5156 / 64
p0 1686 ± 1.473
2000
1900
1800
1700
1600
1500
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

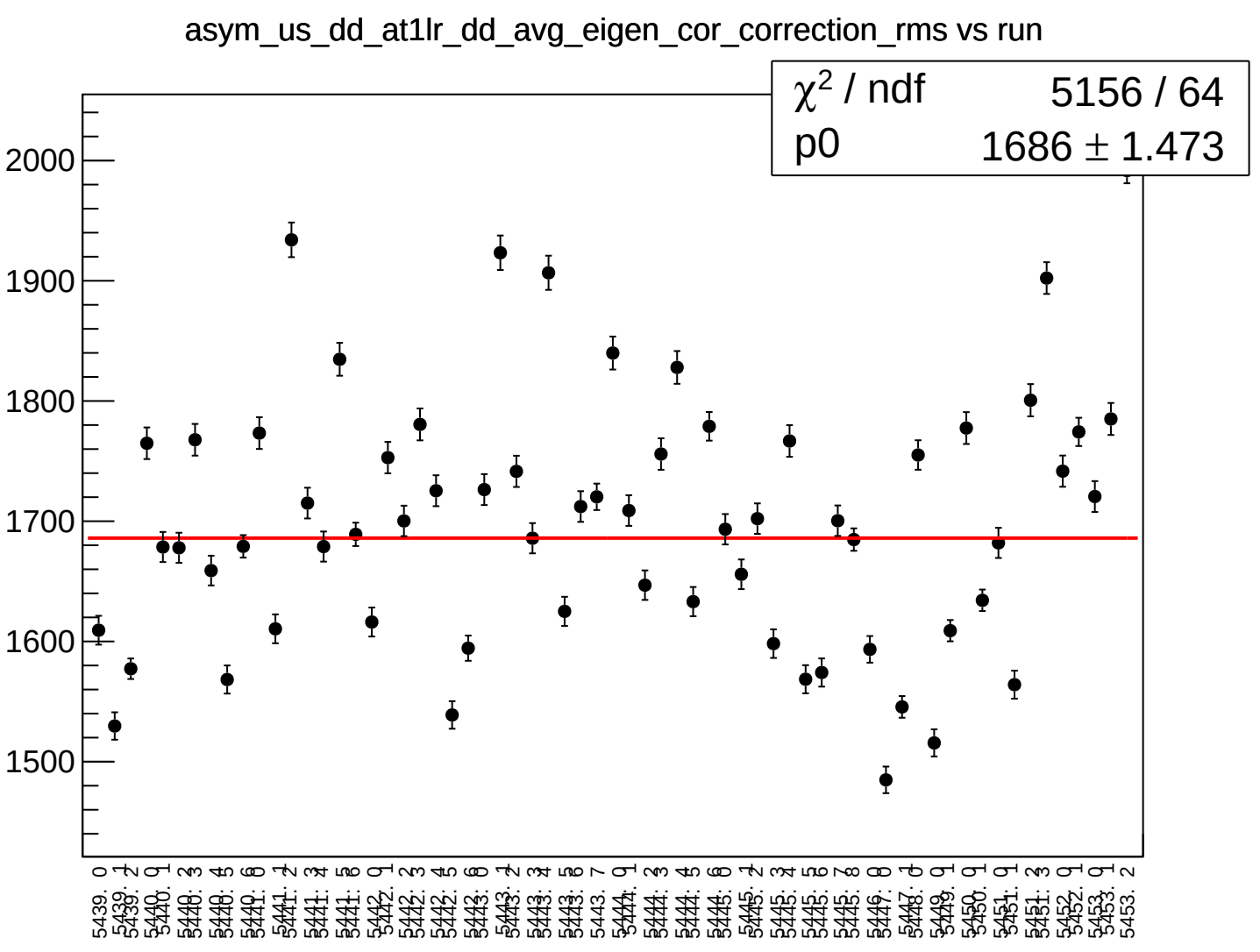

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 78.85 / 64
p0 −1.164e+04 ± 7158
200
100
0
−100
−200
pull
Entries 65
Mean 82.06
Std Dev 0
3
2
1
0
−1
−2
−3

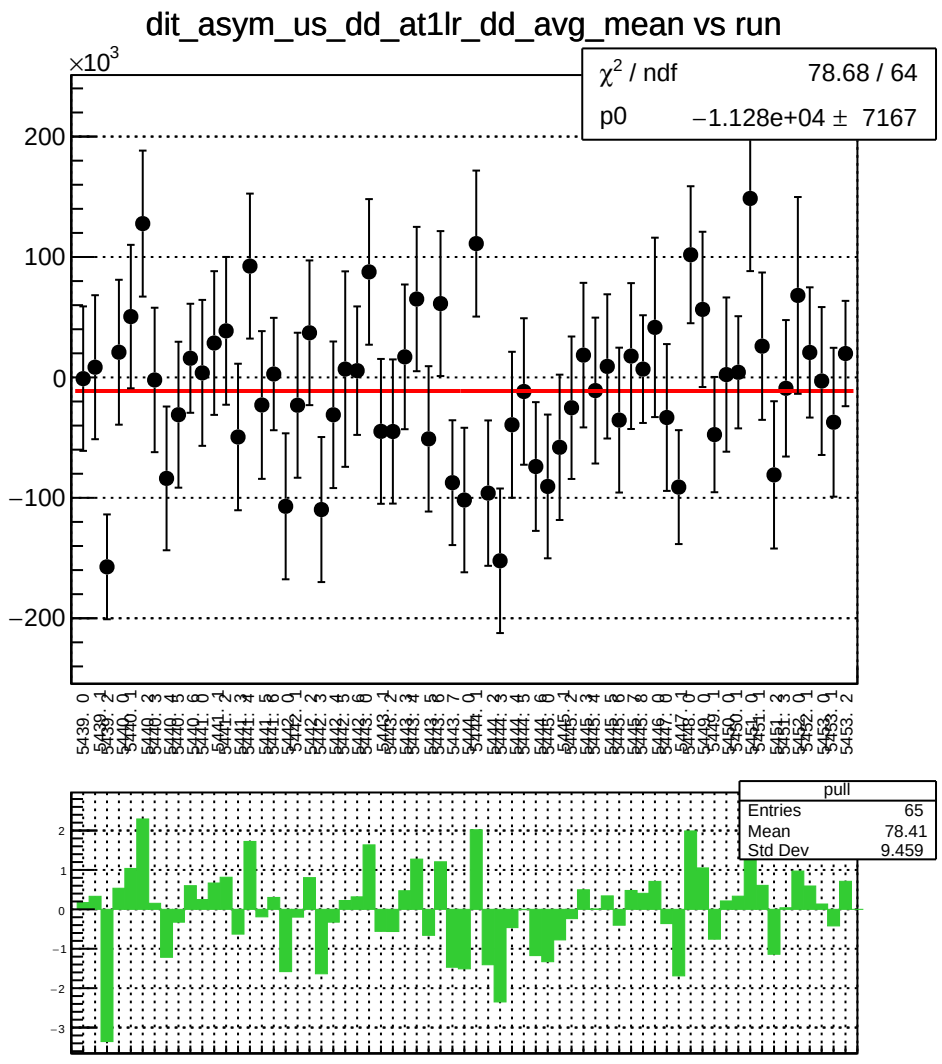

pull1D
Entries 65
Mean 0.02771
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

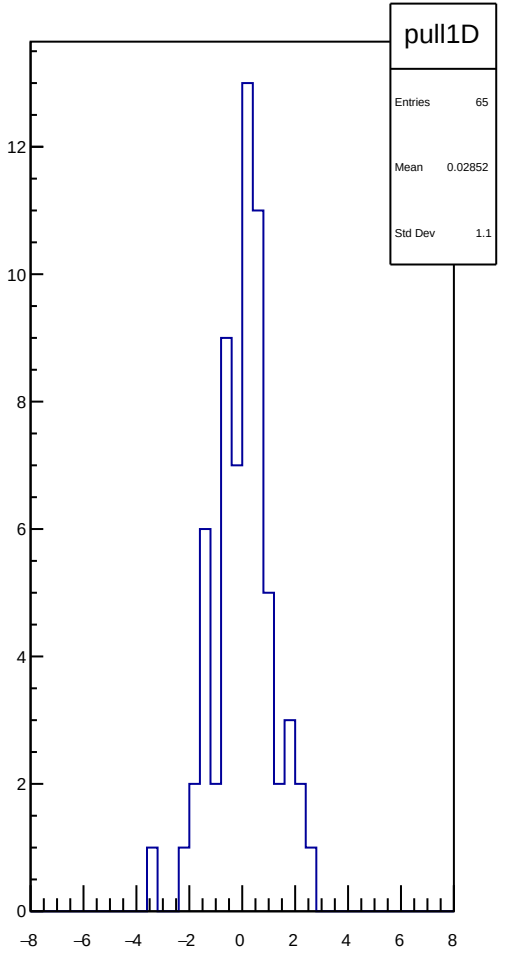

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 3872 / 64
p0 5797 ± 5.061
8000
7500
7000
6500
6000
5500

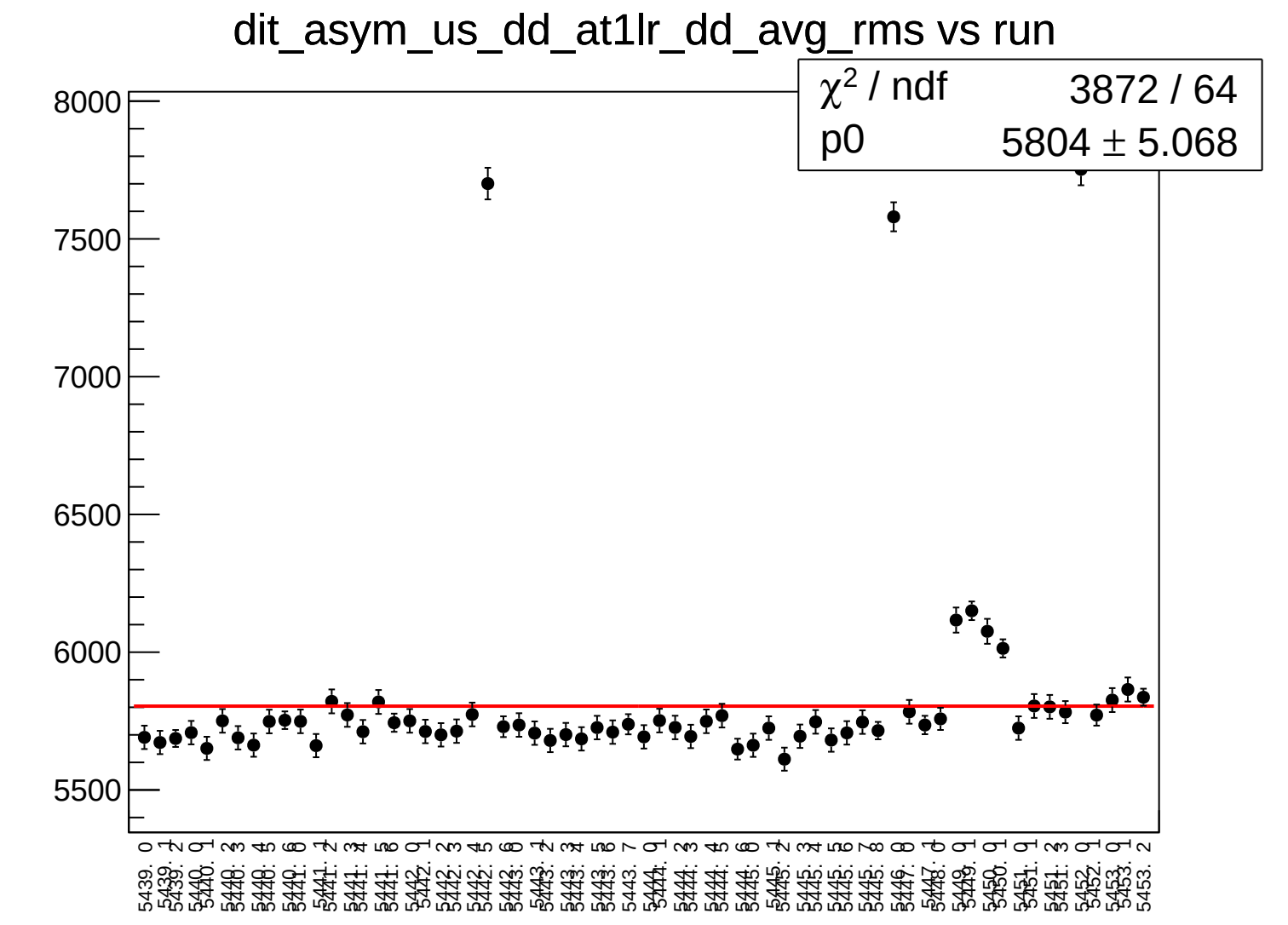

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.89 / 64
p0 −1809 ± 2083
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −7.922
Std Dev 0

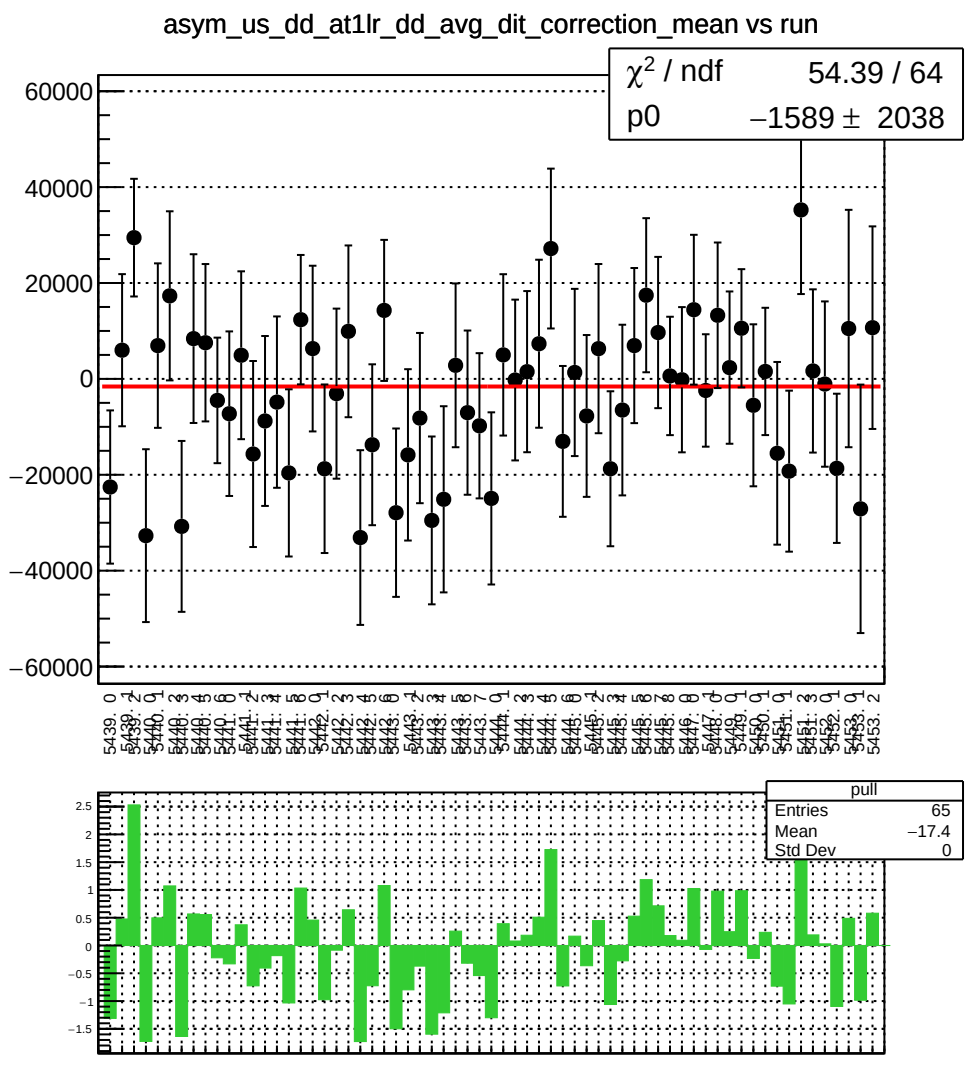

pull1D
Entries 65
Mean −0.04854
Std Dev 0.9587
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

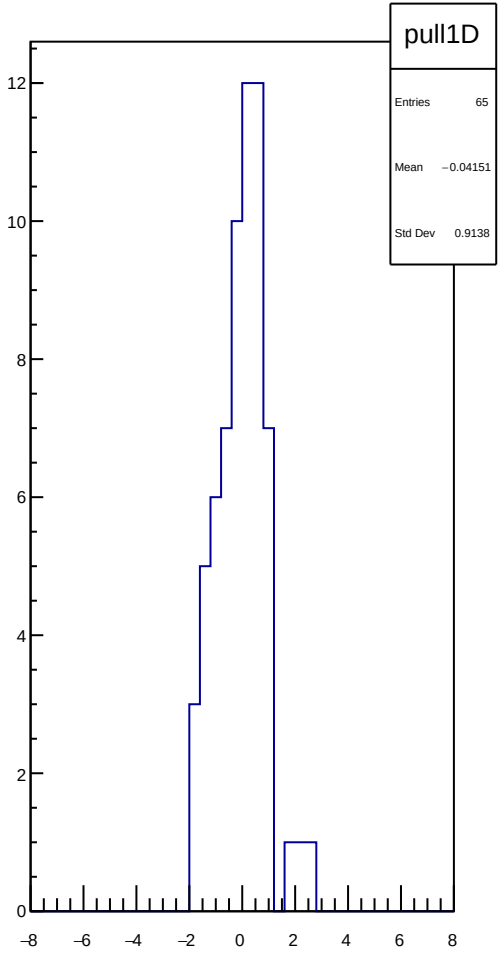

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5156 / 64
p0 1686 ± 1.473
2000
1900
1800
1700
1600
1500

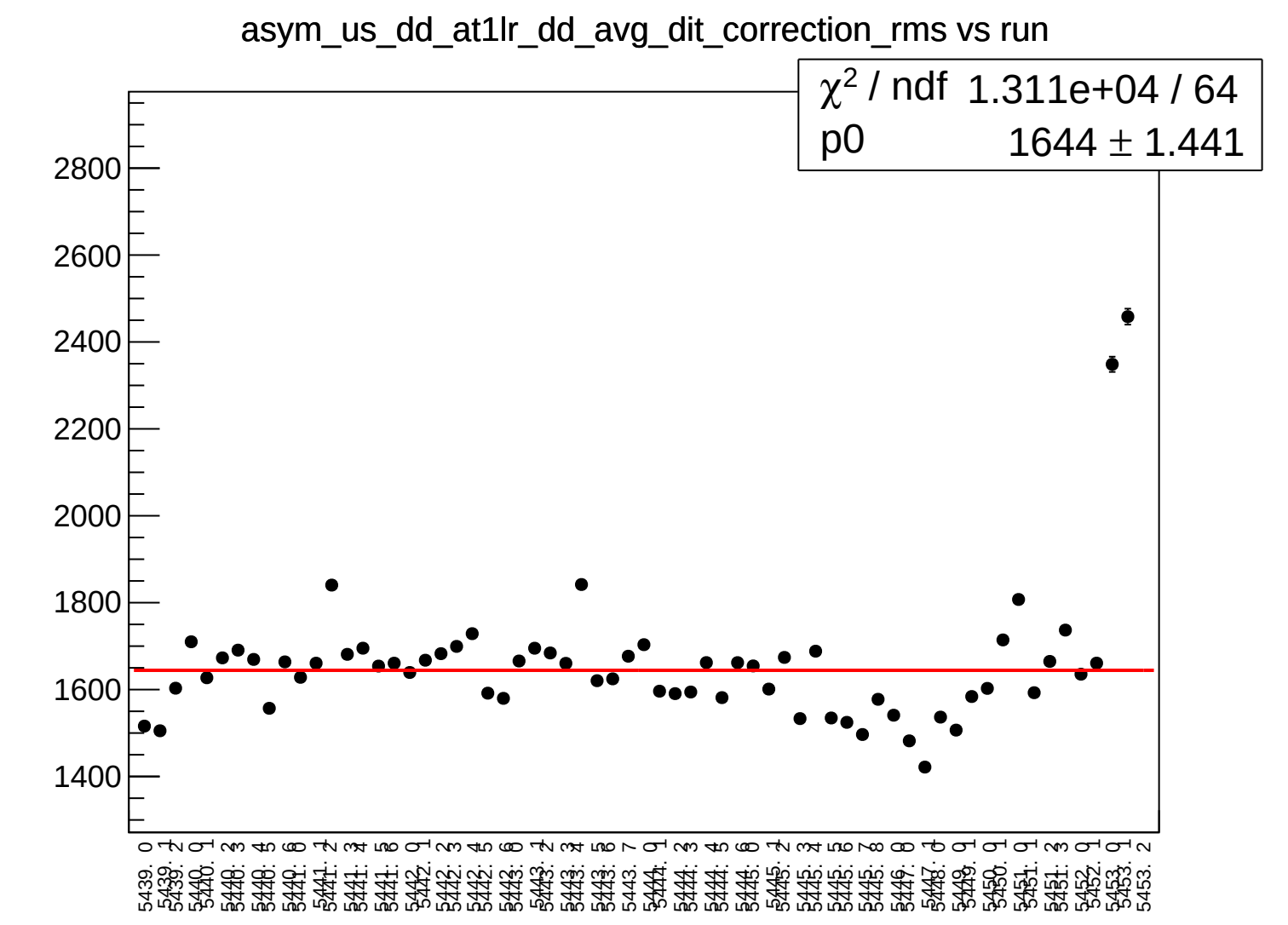

dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 78.68 / 64
p0 −1.128e+04 ± 7167
200
100
0
−100
−200
pull
Entries 65
Mean 78.41
Std Dev 9.459

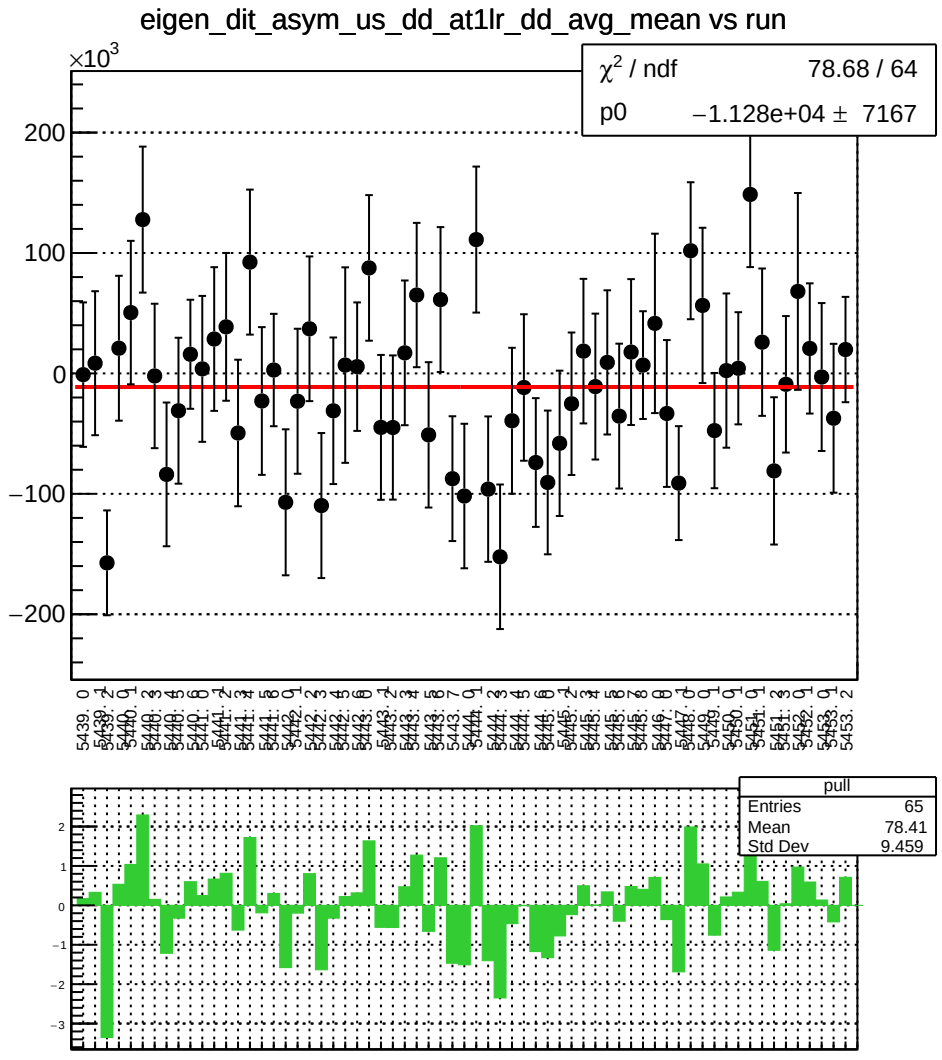

pull1D
Entries 65
Mean 0.02852
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

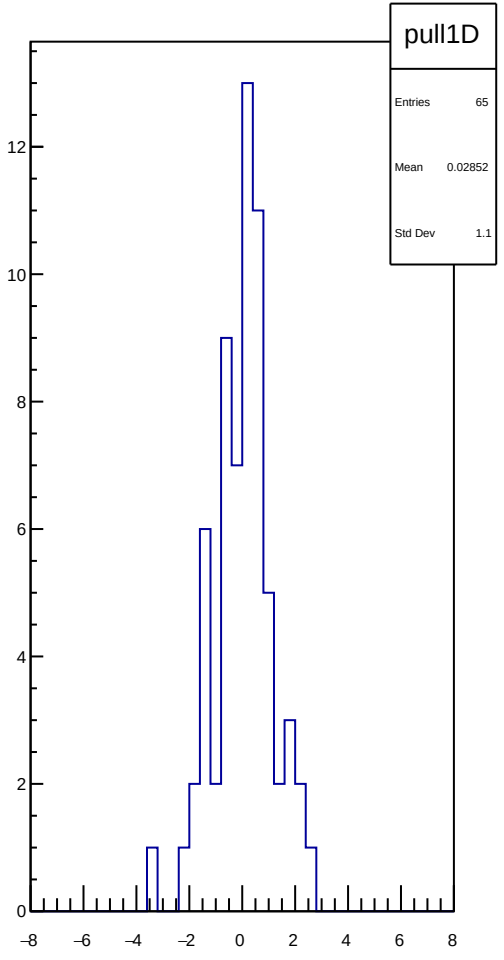

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 3872 / 64
p0 5804 ± 5.068
8000
7500
7000
6500
6000
5500

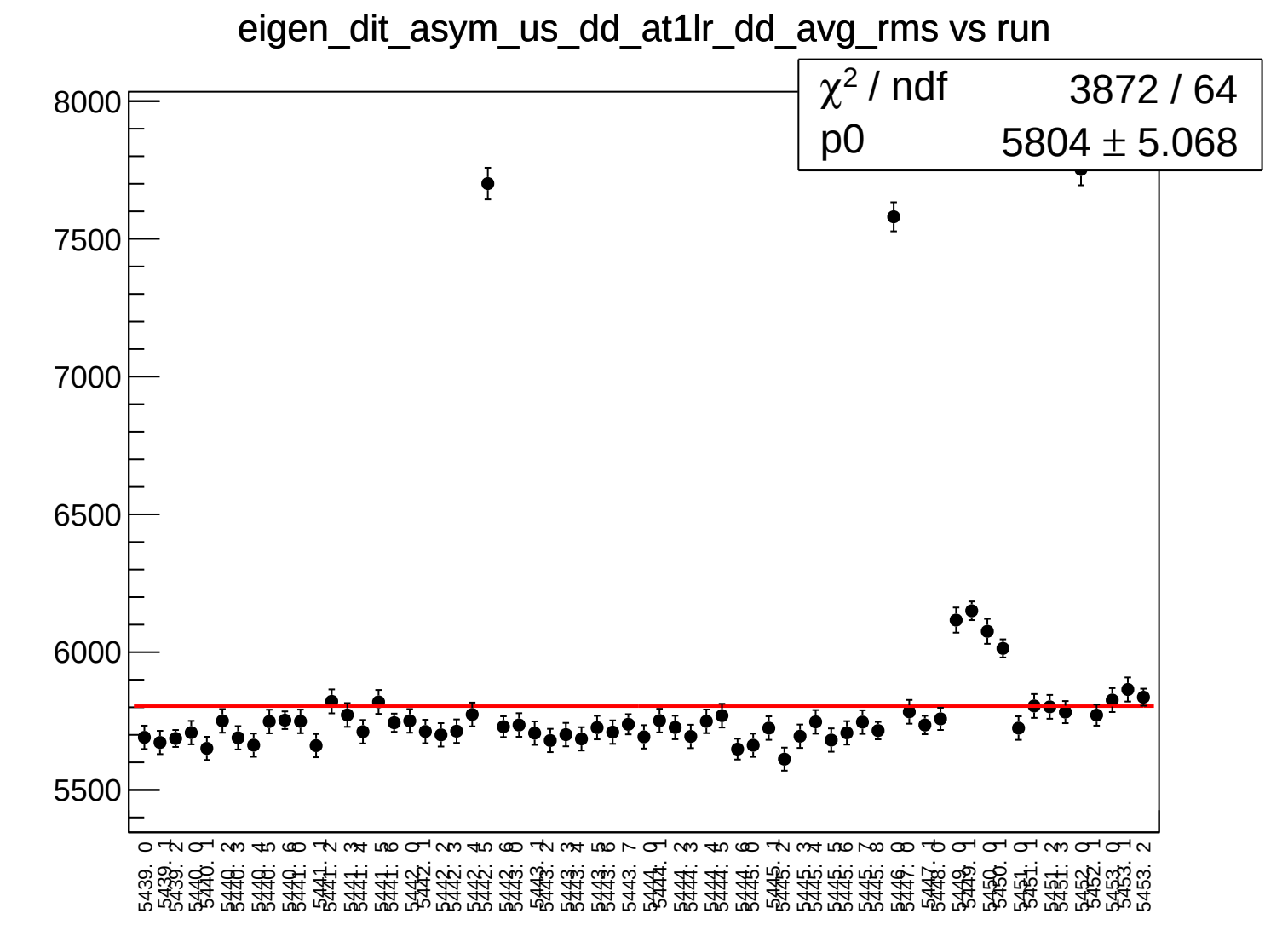

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 54.39 / 64
p0 −1589 ± 2038
pull
Entries 65
Mean −17.4
Std Dev 0

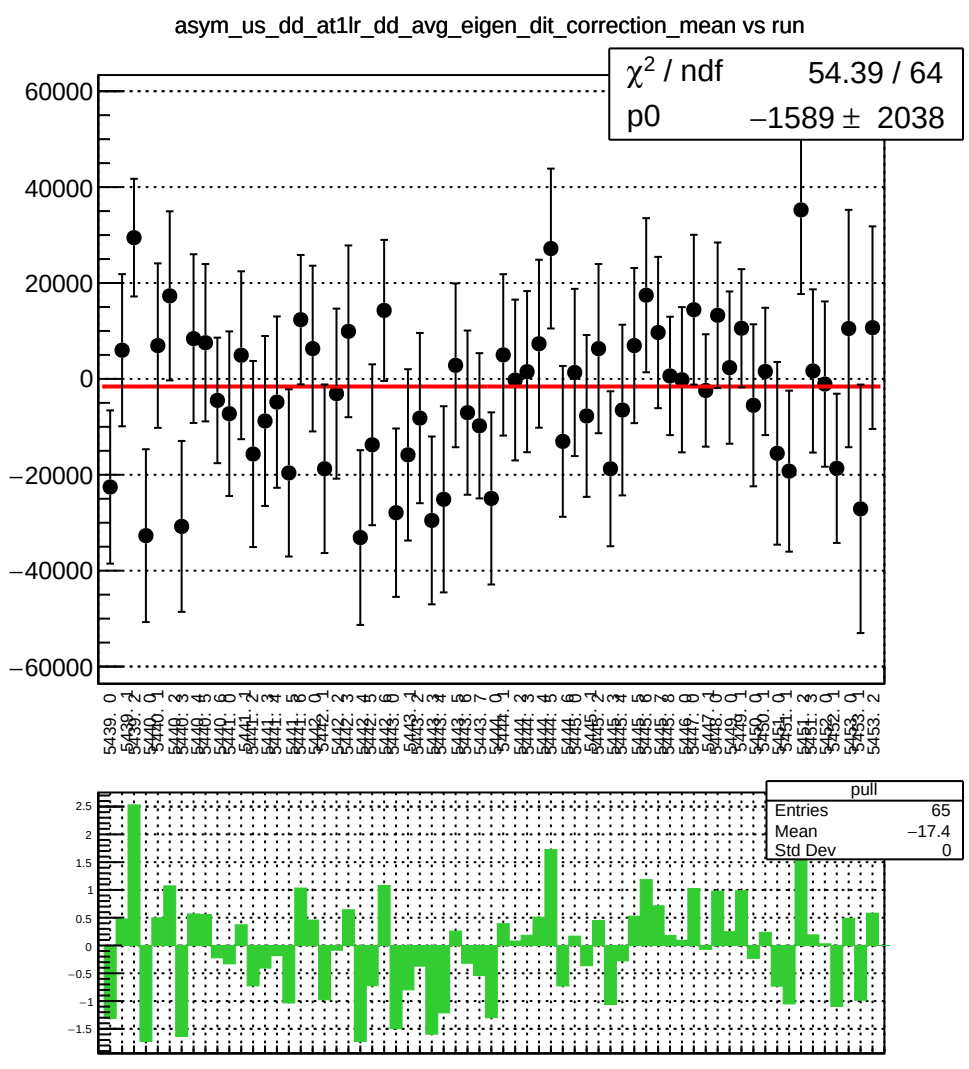

pull1D
Entries 65
Mean −0.04151
Std Dev 0.9138

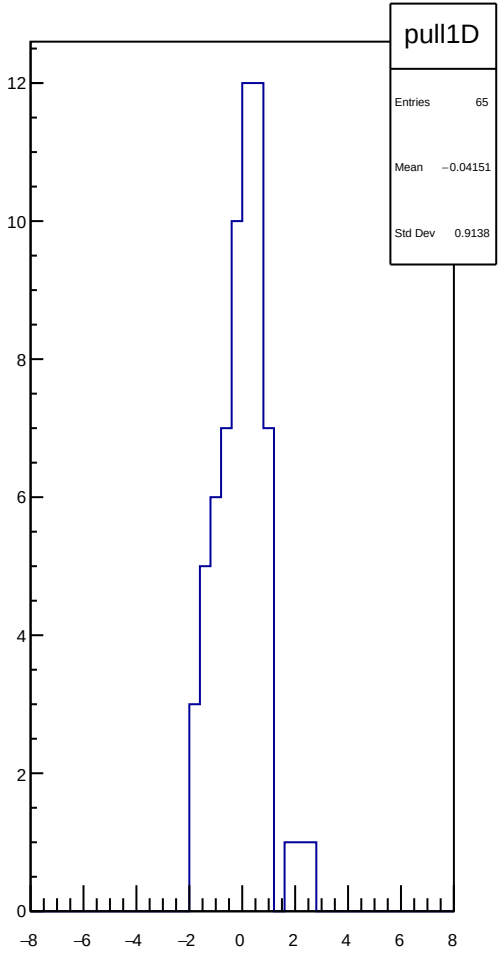

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.311e+04 / 64
p0 1644 ± 1.441
2800
2600
2400
2200
2000
1800
1600
1400

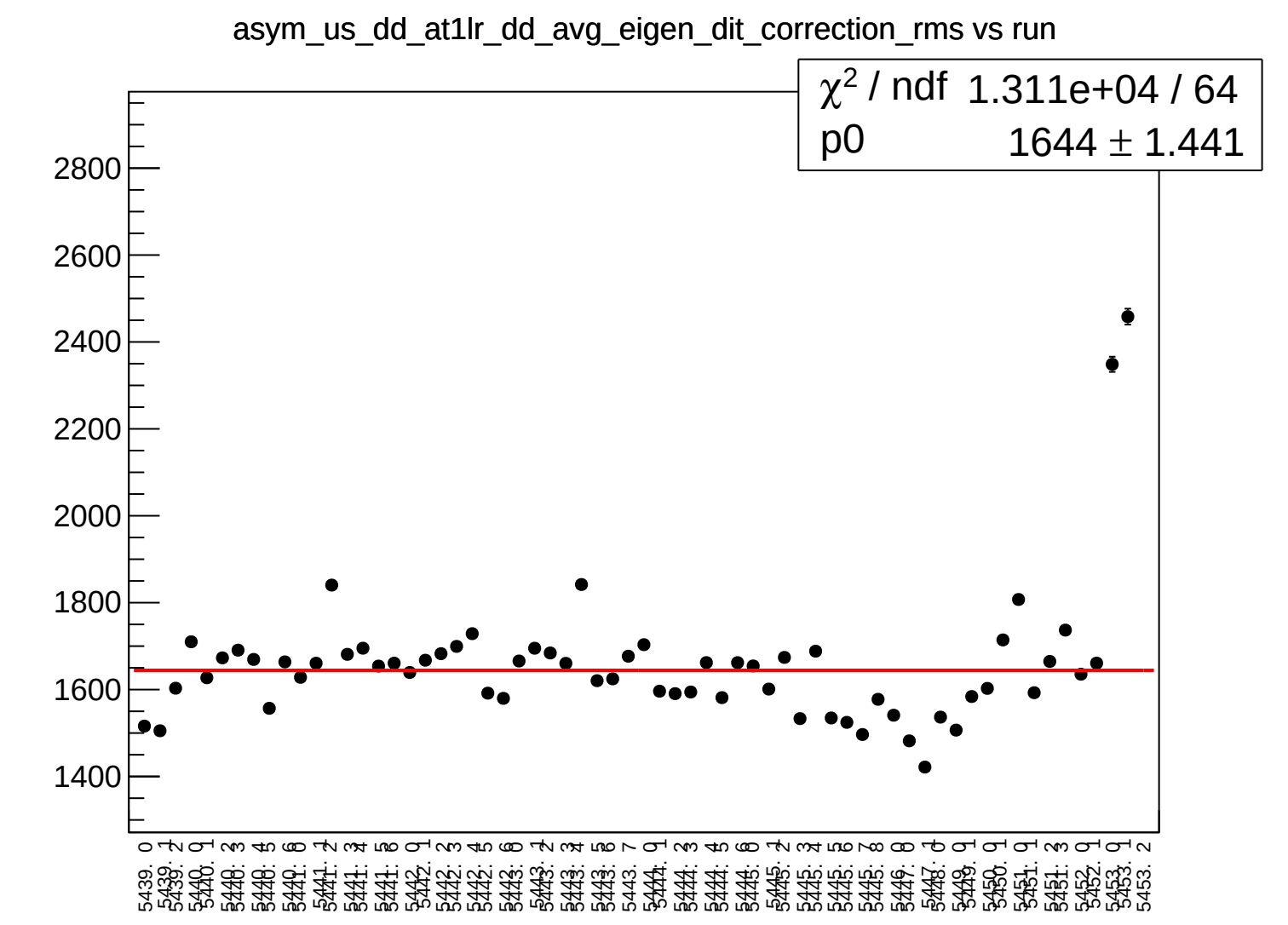

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 78.68 / 64
p0 −1.128e+04 ± 7167
200
100
0
−100
−200
pull
Entries 65
Mean 78.41
Std Dev 9.459
2
1
0
−1
−2
−3

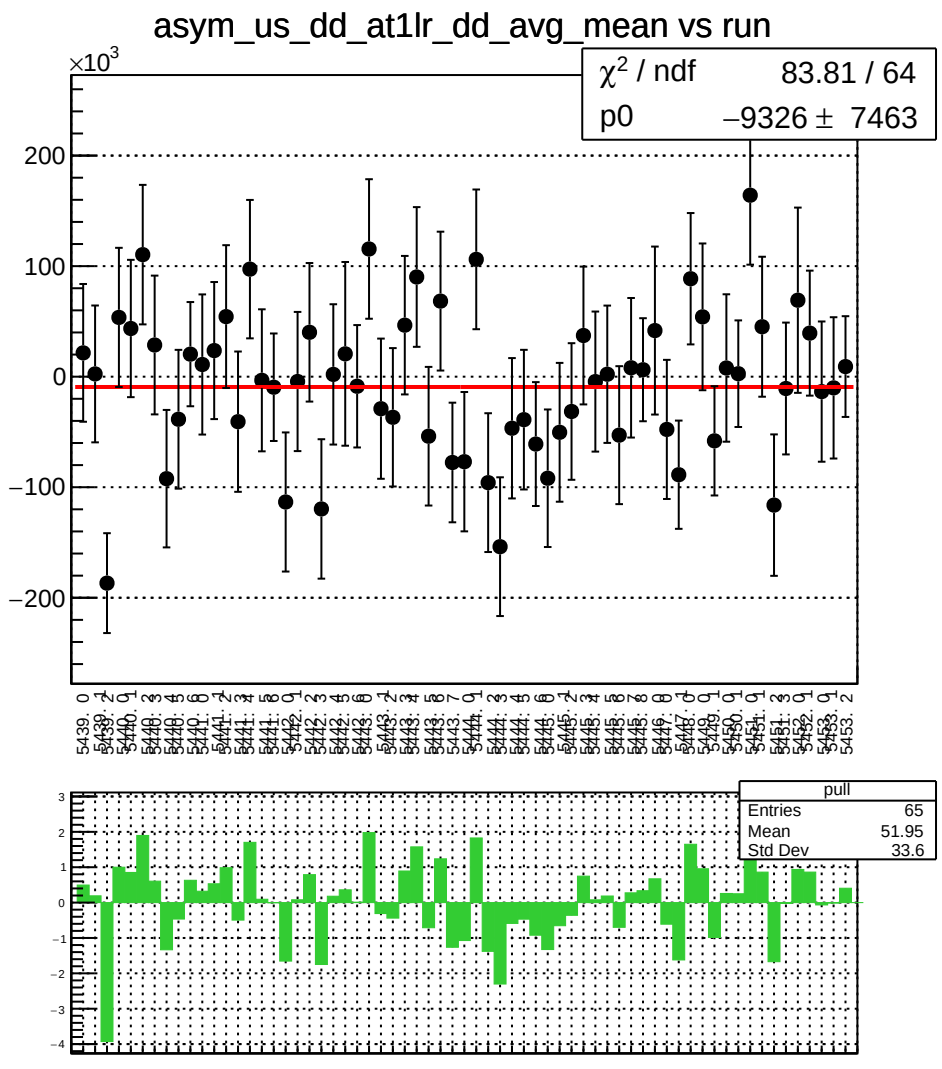

pull1D
Entries 65
Mean 0.02852
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

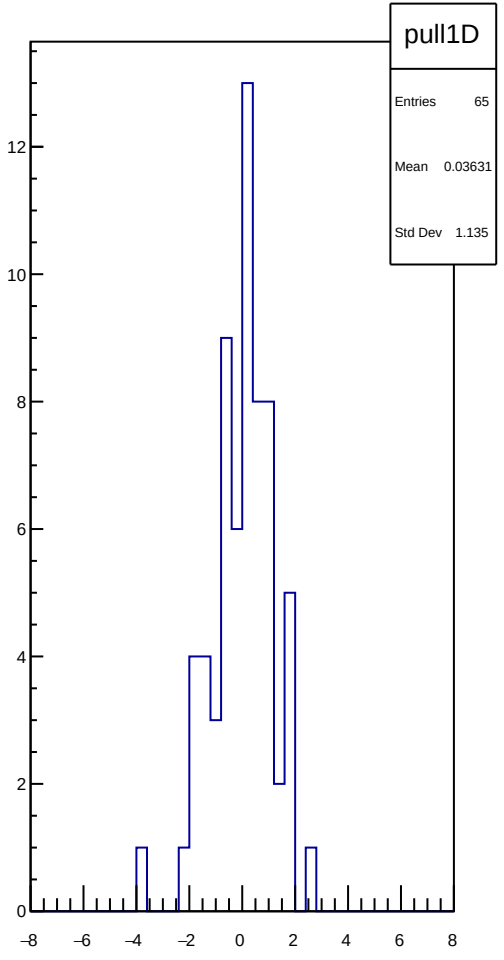

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 3872 / 64
p0 5804 ± 5.068
8000
7500
7000
6500
6000
5500

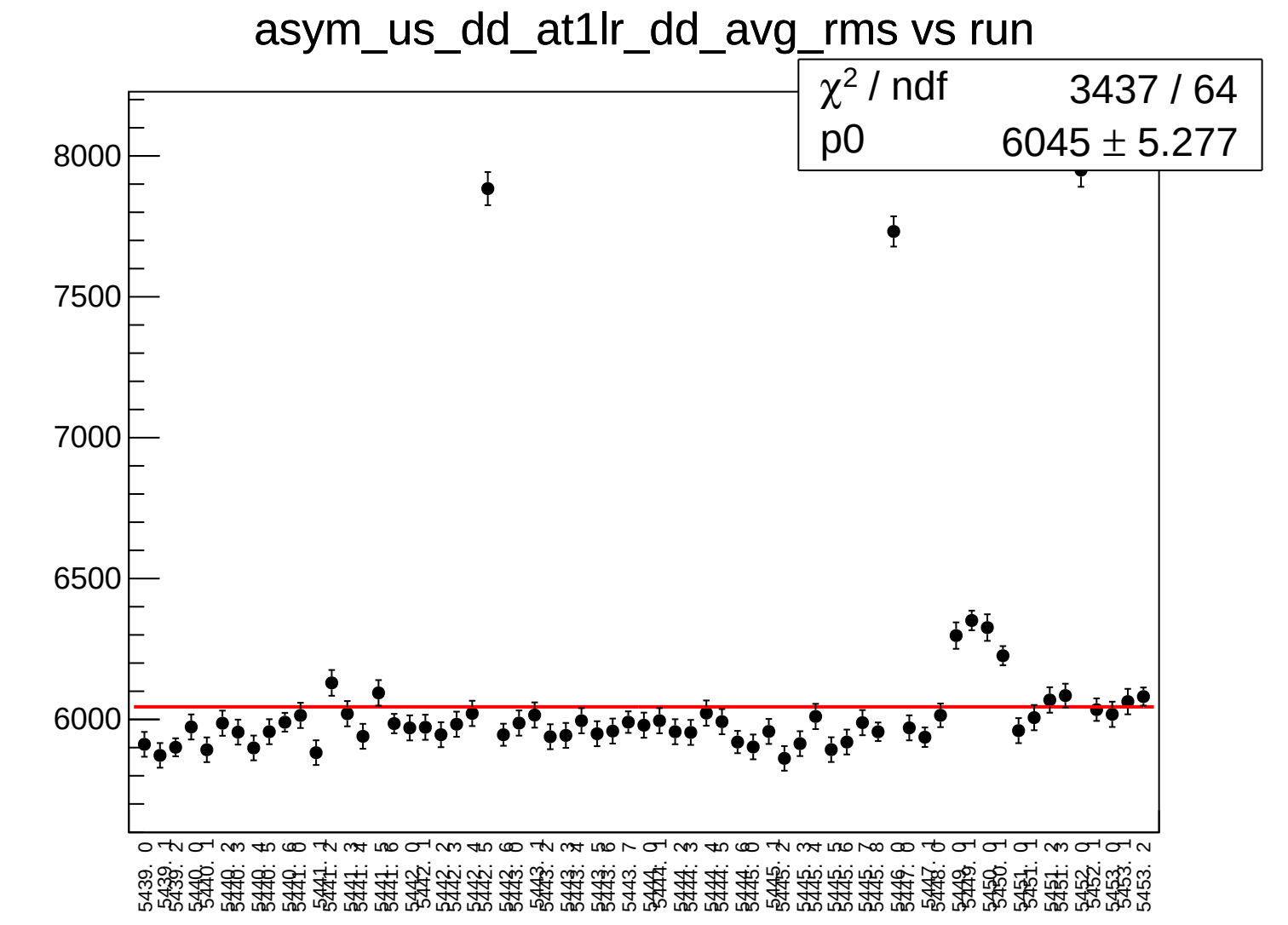

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.39 / 64
p0 −1589 ± 2038
pull
Entries 65
Mean −17.4
Std Dev 0

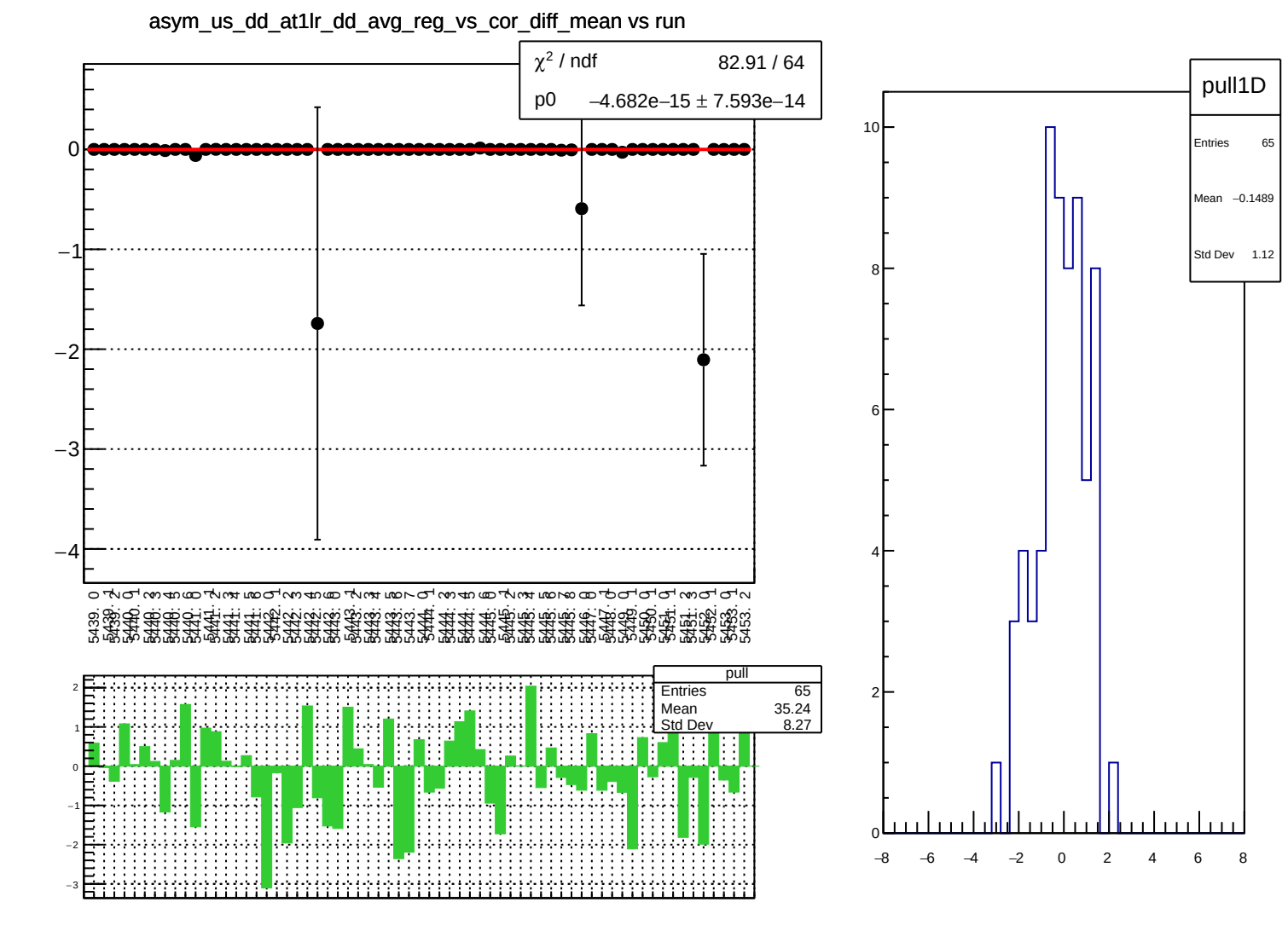

pull1D
Entries 65
Mean −0.04151
Std Dev 0.9138

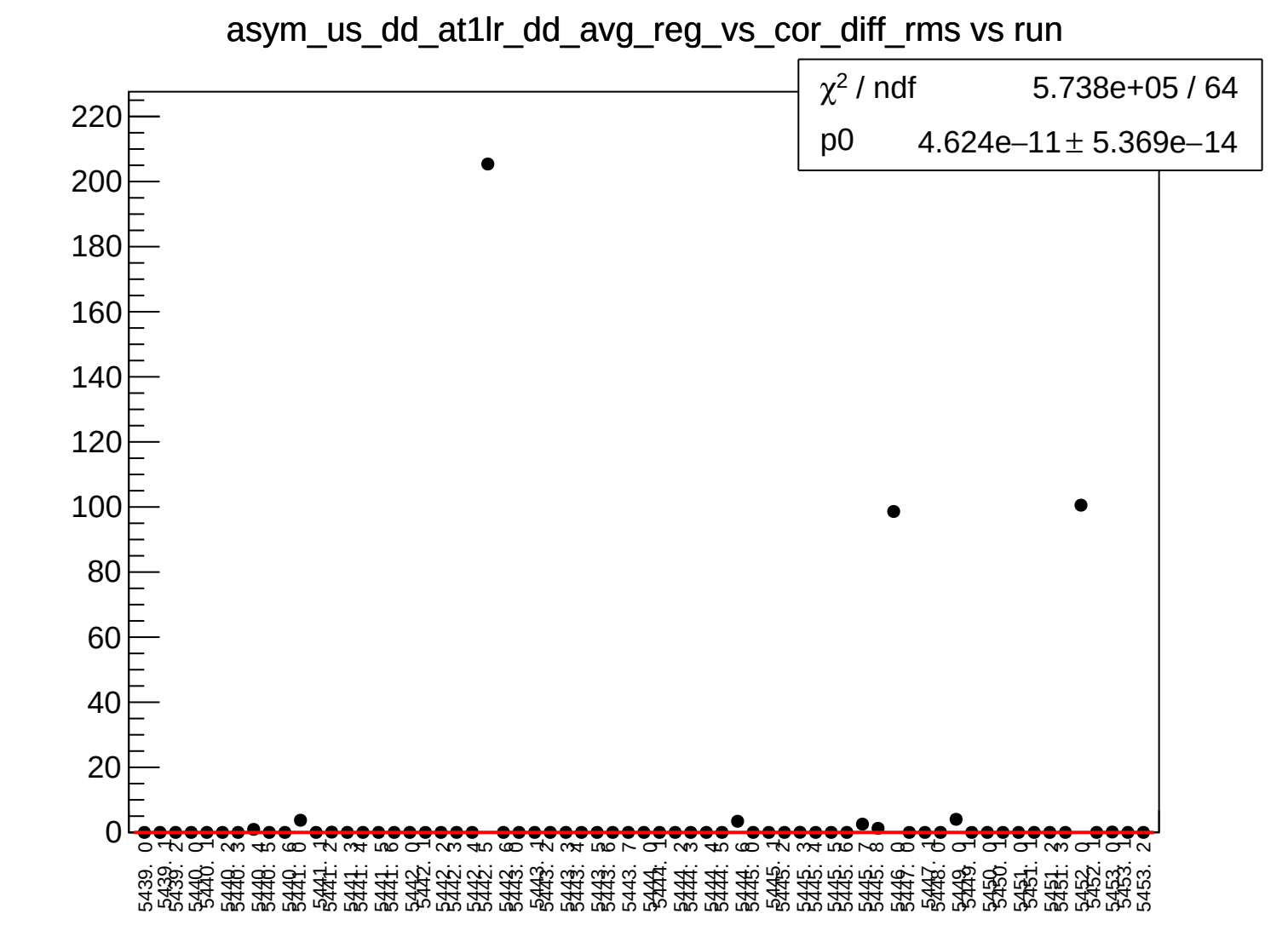

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.311e+04 / 64
p0 1644 ± 1.441
2800
2600
2400
2200
2000
1800
1600
1400

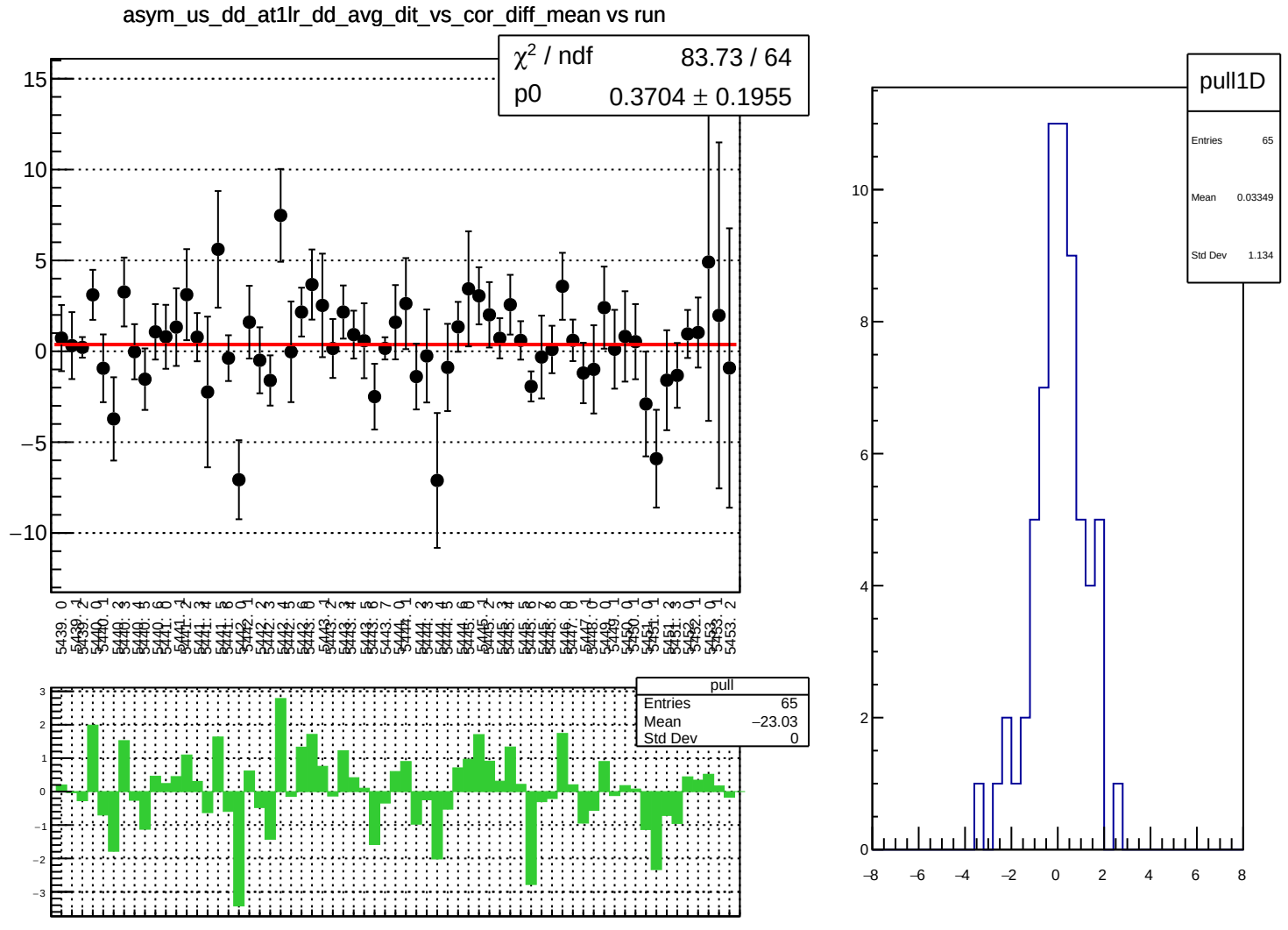

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 83.81 / 64
p0 −9326 ± 7463
200
100
0
−100
−200
pull
Entries 65
Mean 51.95
Std Dev 33.6
3
2
1
0
−1
−2
−3
−4

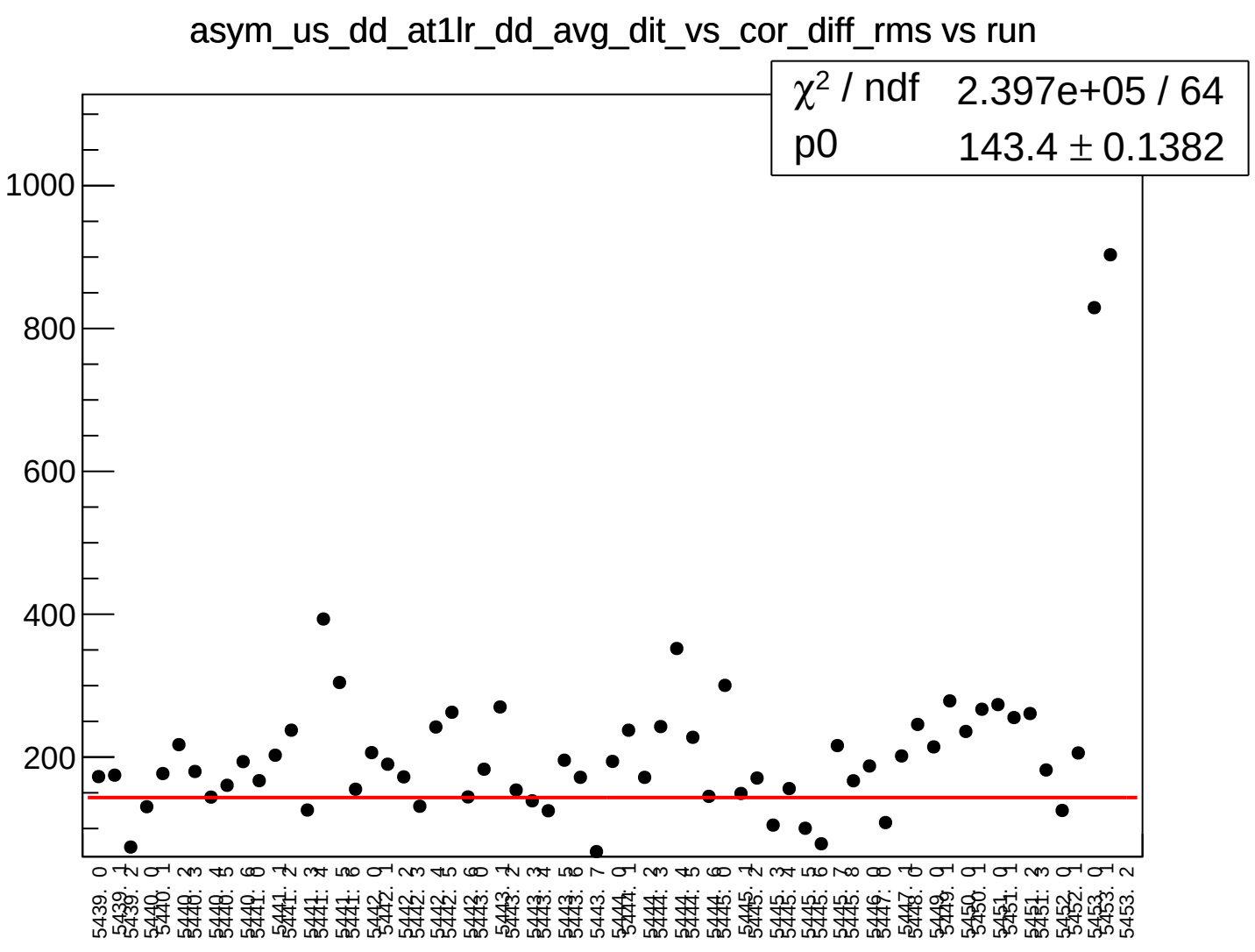

pull1D
Entries 65
Mean 0.03631
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

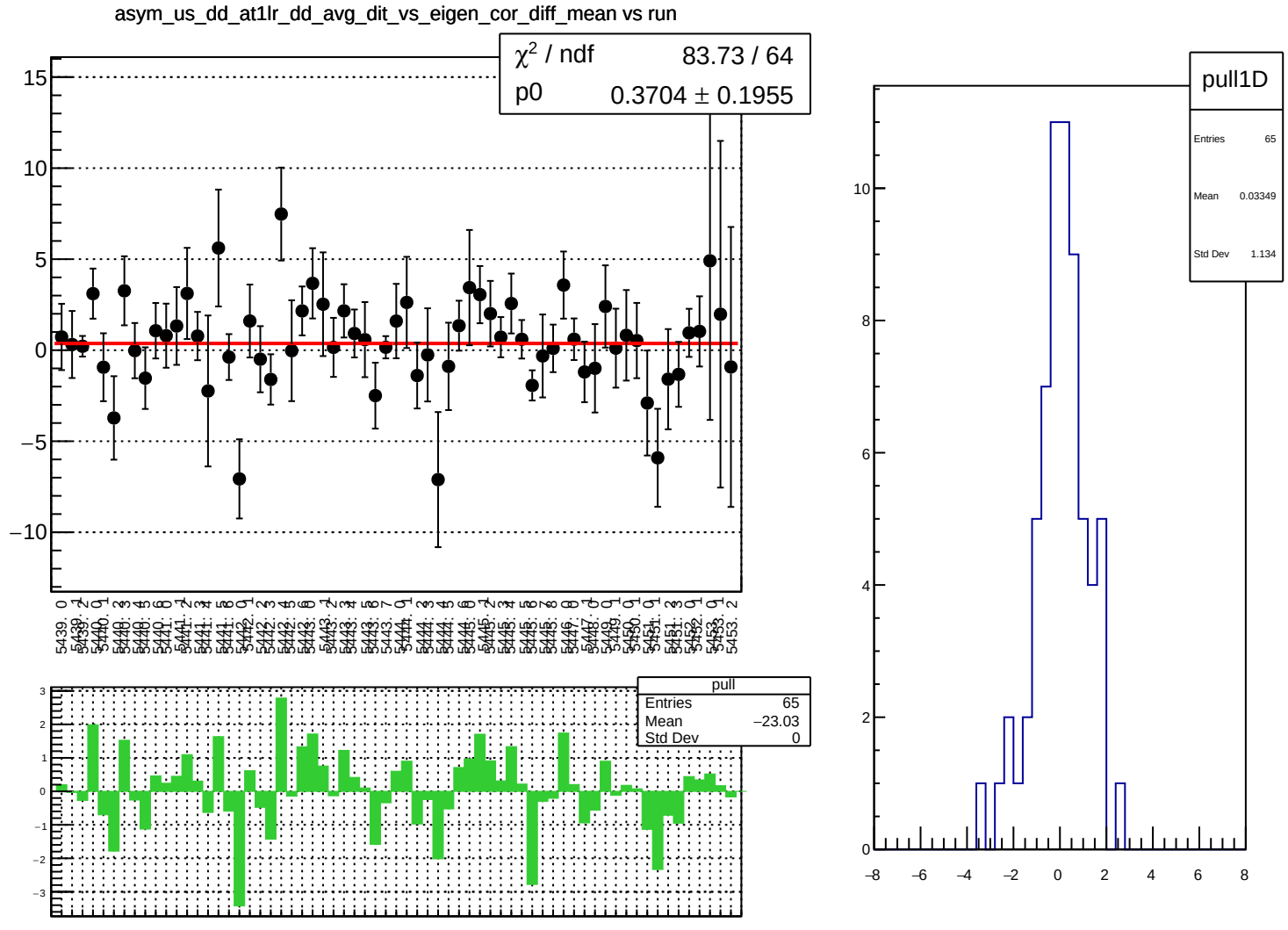

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 3437 / 64
p0 6045 ± 5.277
8000
7500
7000
6500
6000

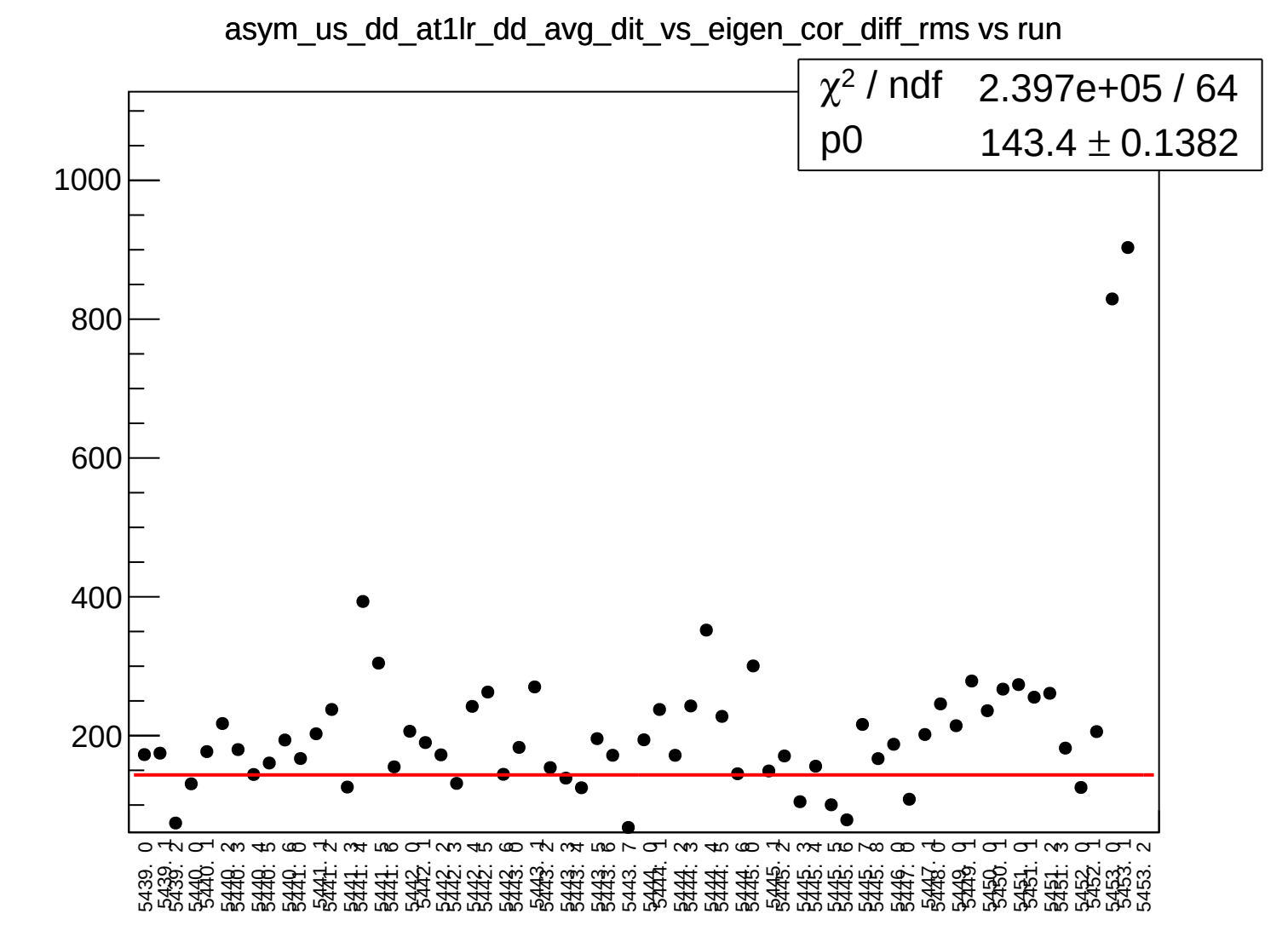

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.91 / 64
p0 −4.682e−15 ± 7.593e−14
pull
Entries 65
Mean 35.24
Std Dev 8.27
pull1D
Entries 65
Mean −0.1489
Std Dev 1.12

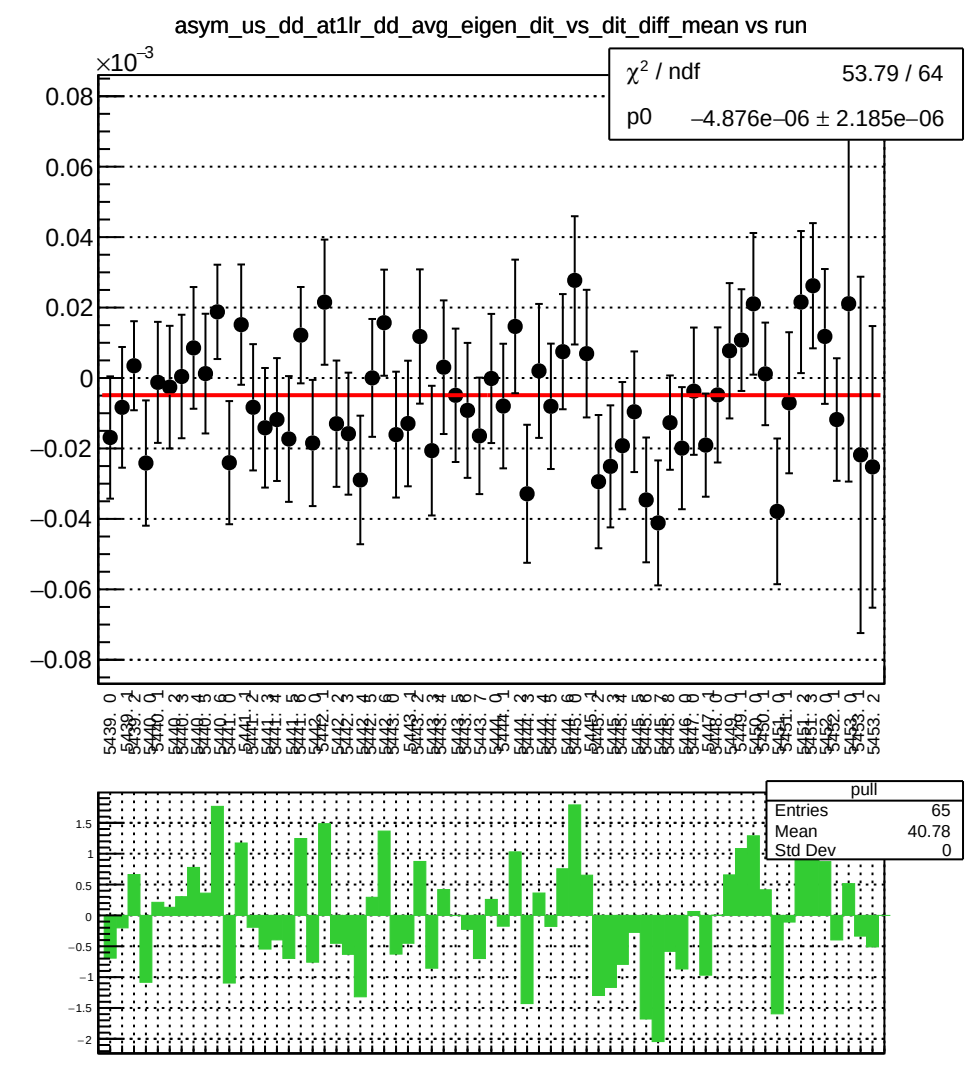

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.738e+05 / 64
p0 4.624e−11 ± 5.369e−14
220
200
180
160
140
120
100
80
60
40
20
0

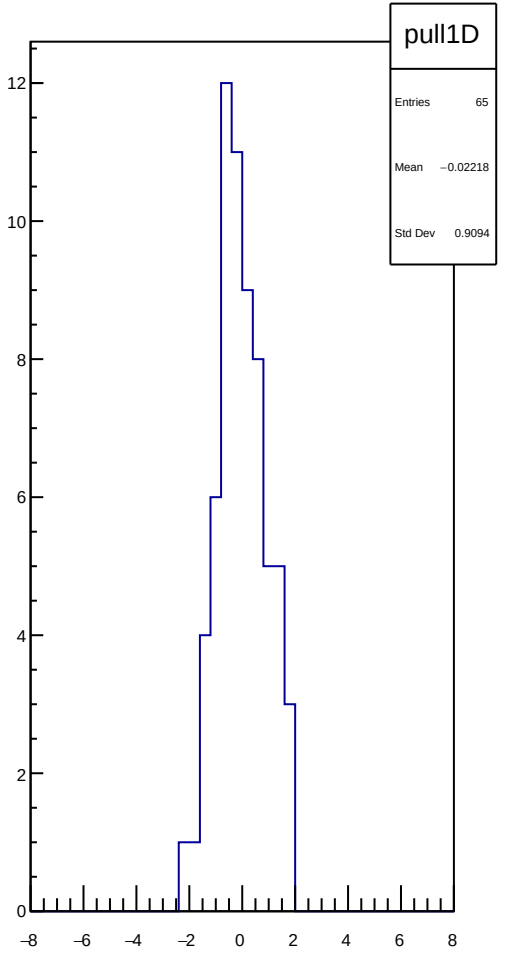

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.73 / 64
p0 0.3704 ± 0.1955
pull
Entries 65
Mean −23.03
Std Dev 0
pull1D
Entries 65
Mean 0.03349
Std Dev 1.134

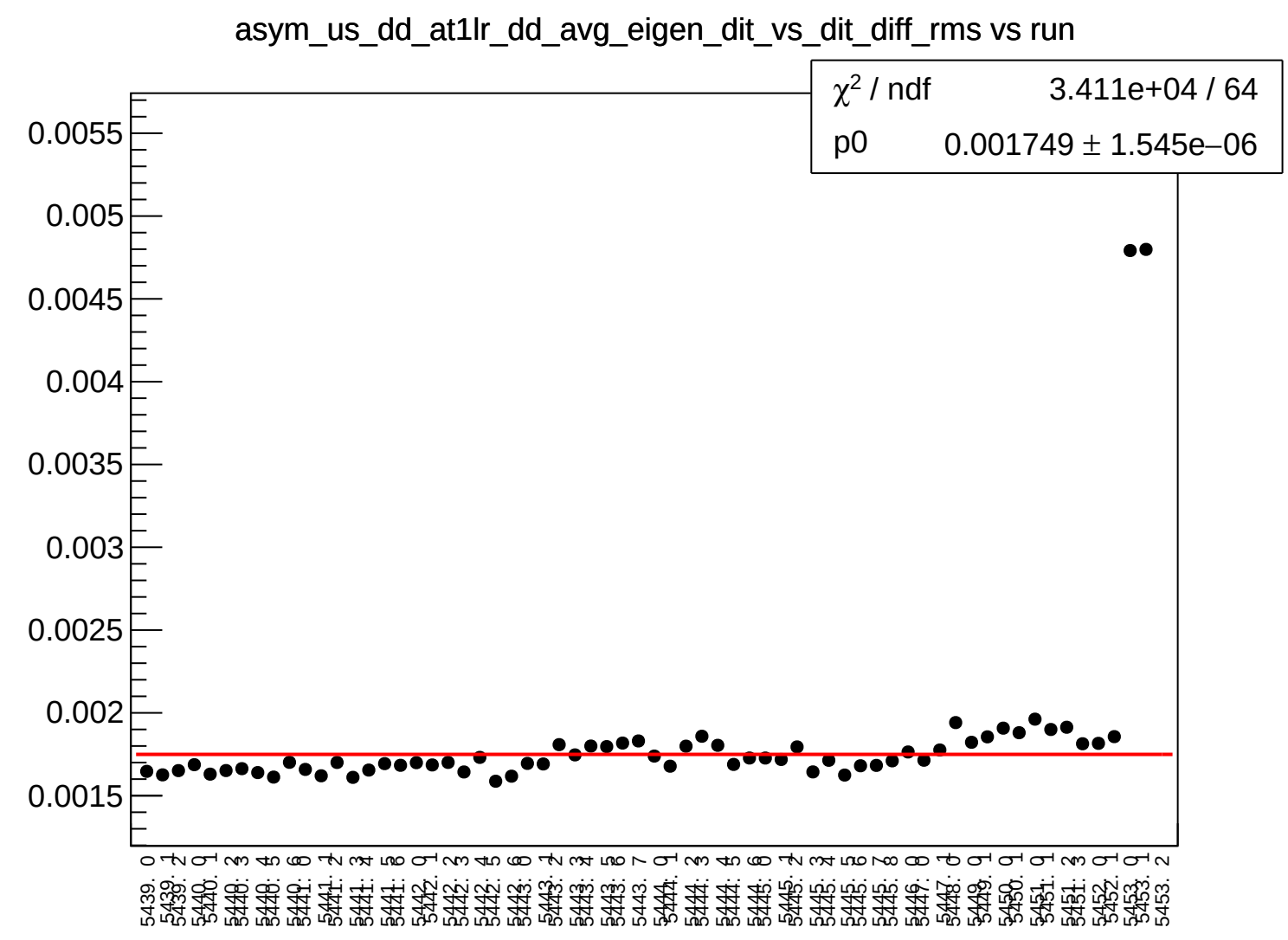

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 143.4 ± 0.1382
1000
800
600
400
200

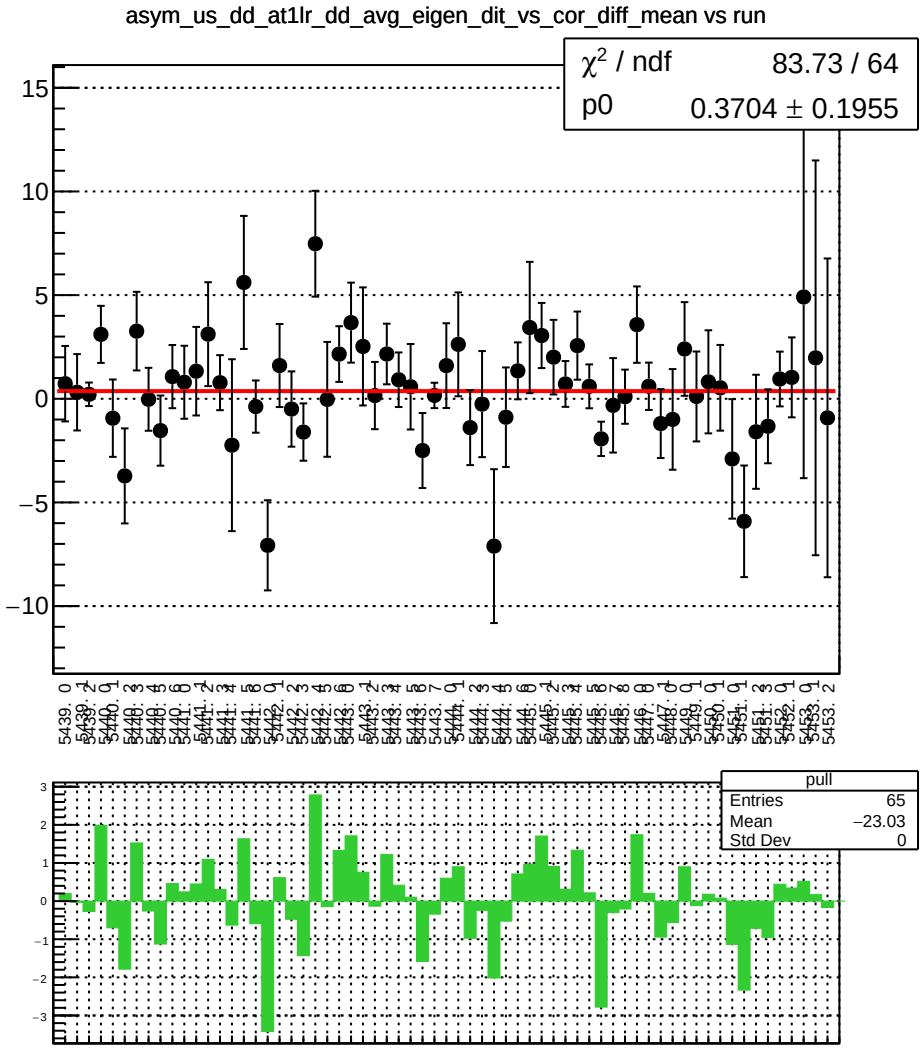

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.73 / 64
p0 0.3704 ± 0.1955
pull
Entries 65
Mean −23.03
Std Dev 0
pull1D
Entries 65
Mean 0.03349
Std Dev 1.134

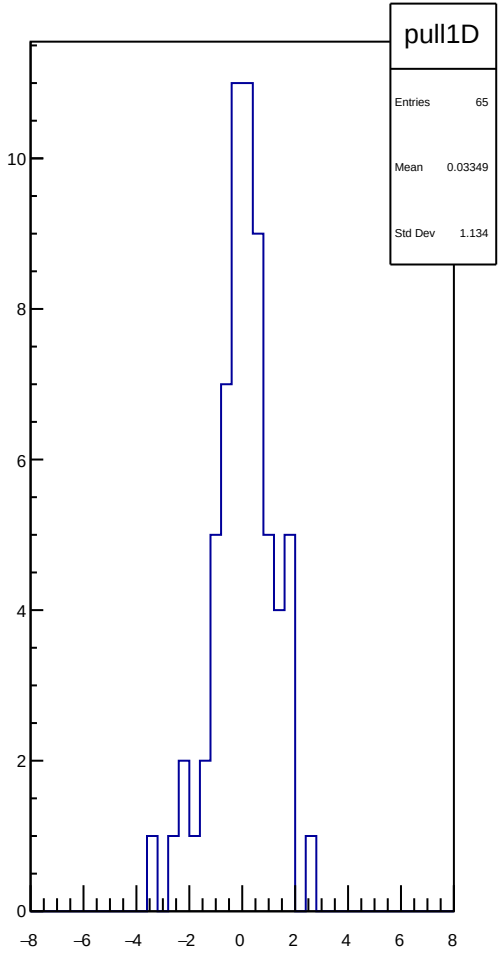

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 143.4 ± 0.1382
1000
800
600
400
200

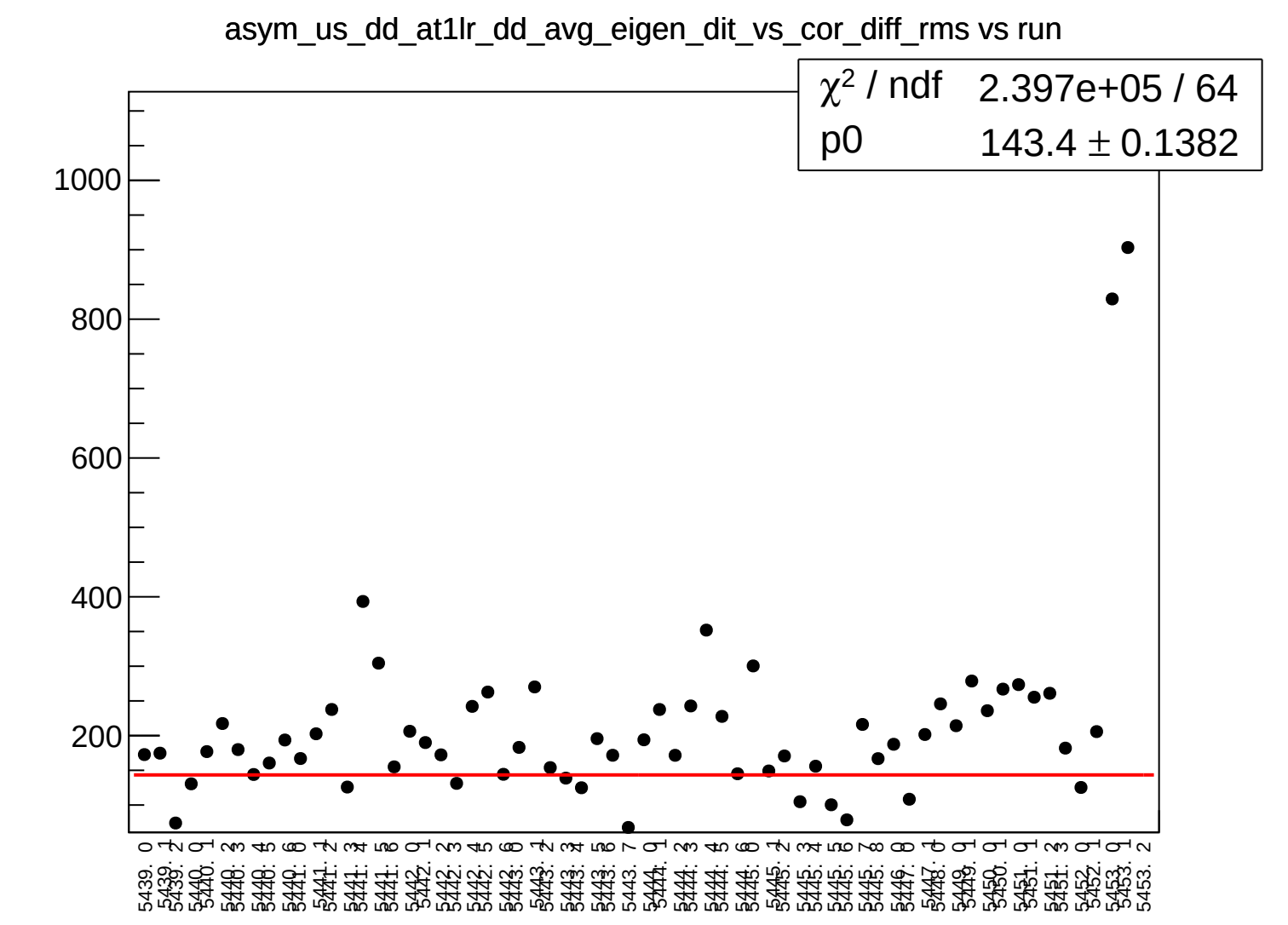

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.79 / 64
p0 −4.876e−06 ± 2.185e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 65
Mean 40.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

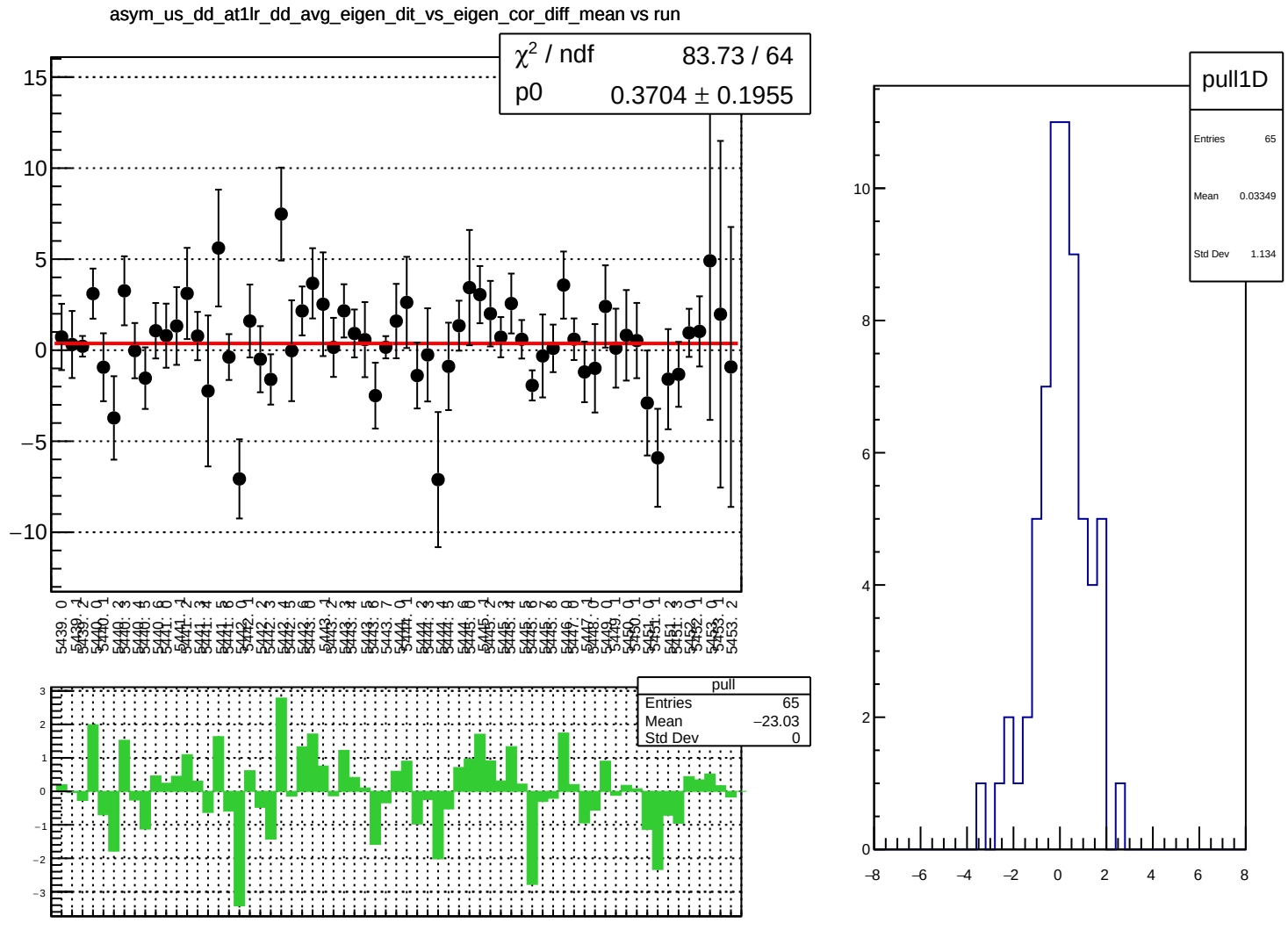

pull1D
Entries 65
Mean −0.02218
Std Dev 0.9094
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

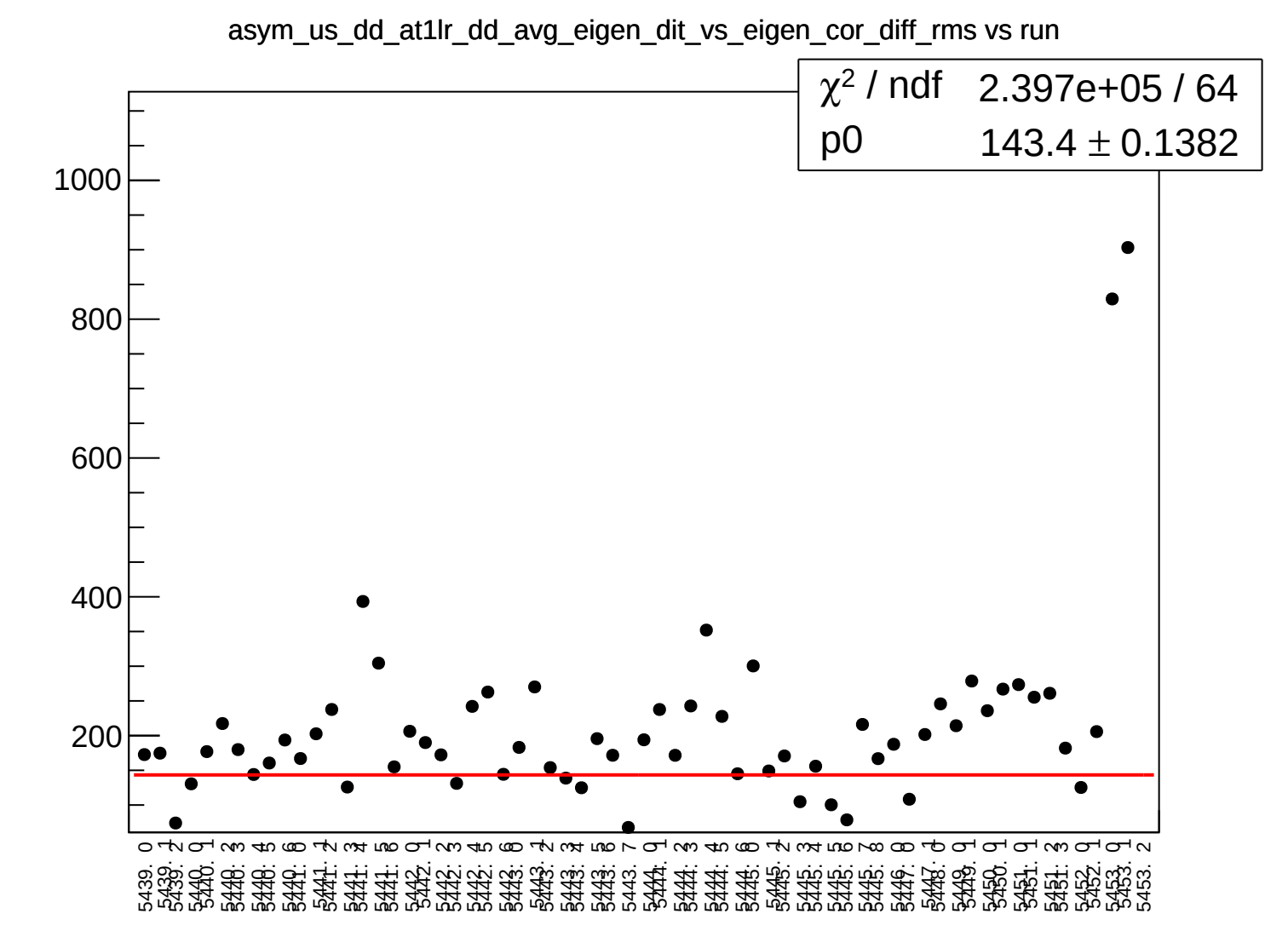

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.411e+04 / 64
p0 0.001749 ± 1.545e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

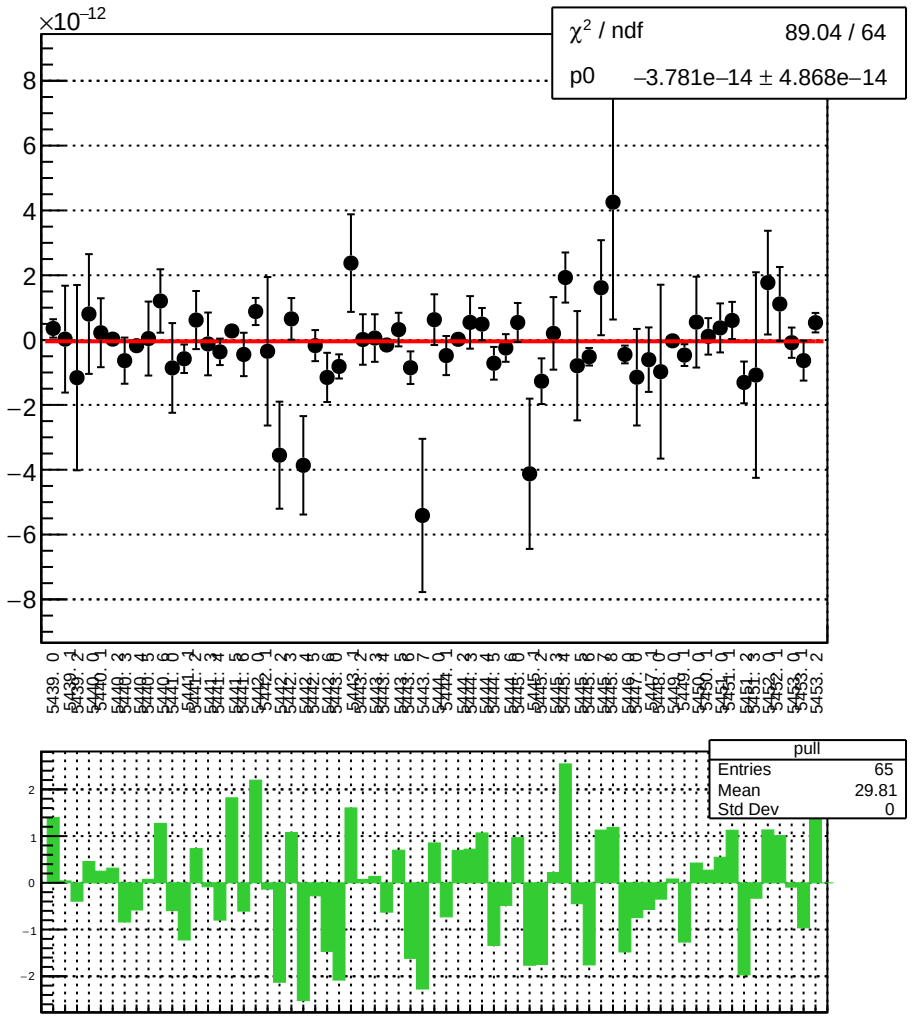

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.73 / 64
p0 0.3704 ± 0.1955
pull
Entries 65
Mean −23.03
Std Dev 0

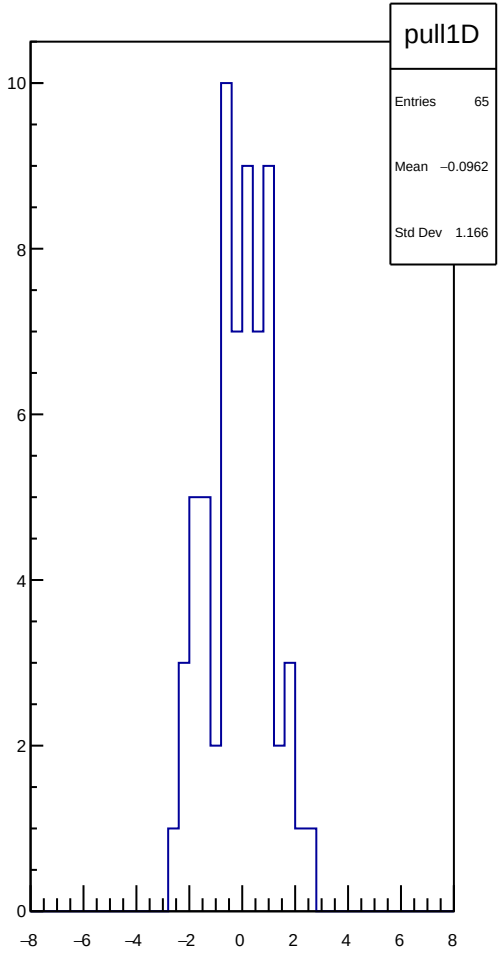

pull1D
Entries 65
Mean 0.03349
Std Dev 1.134

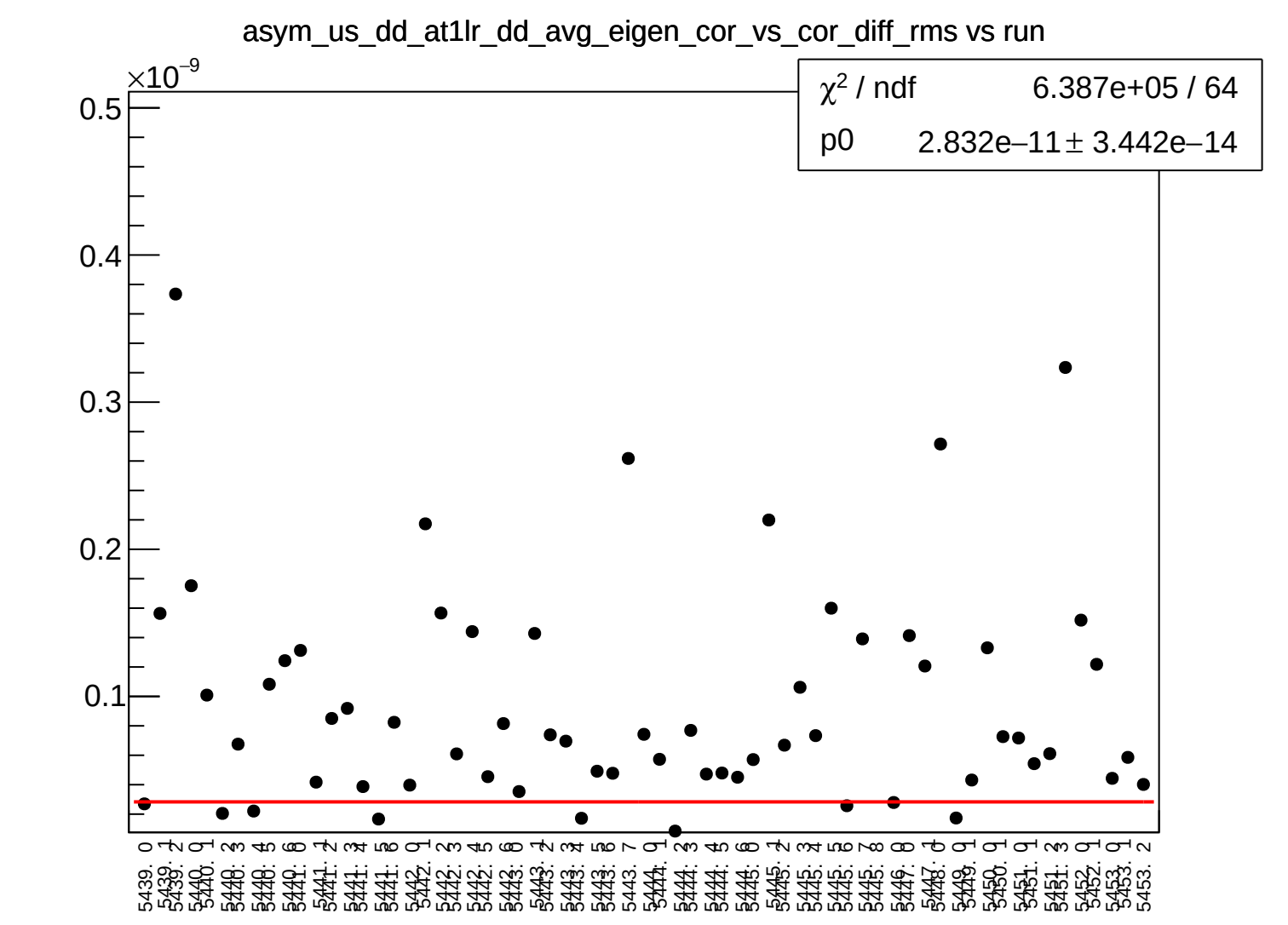

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 143.4 ± 0.1382
1000
800
600
400
200

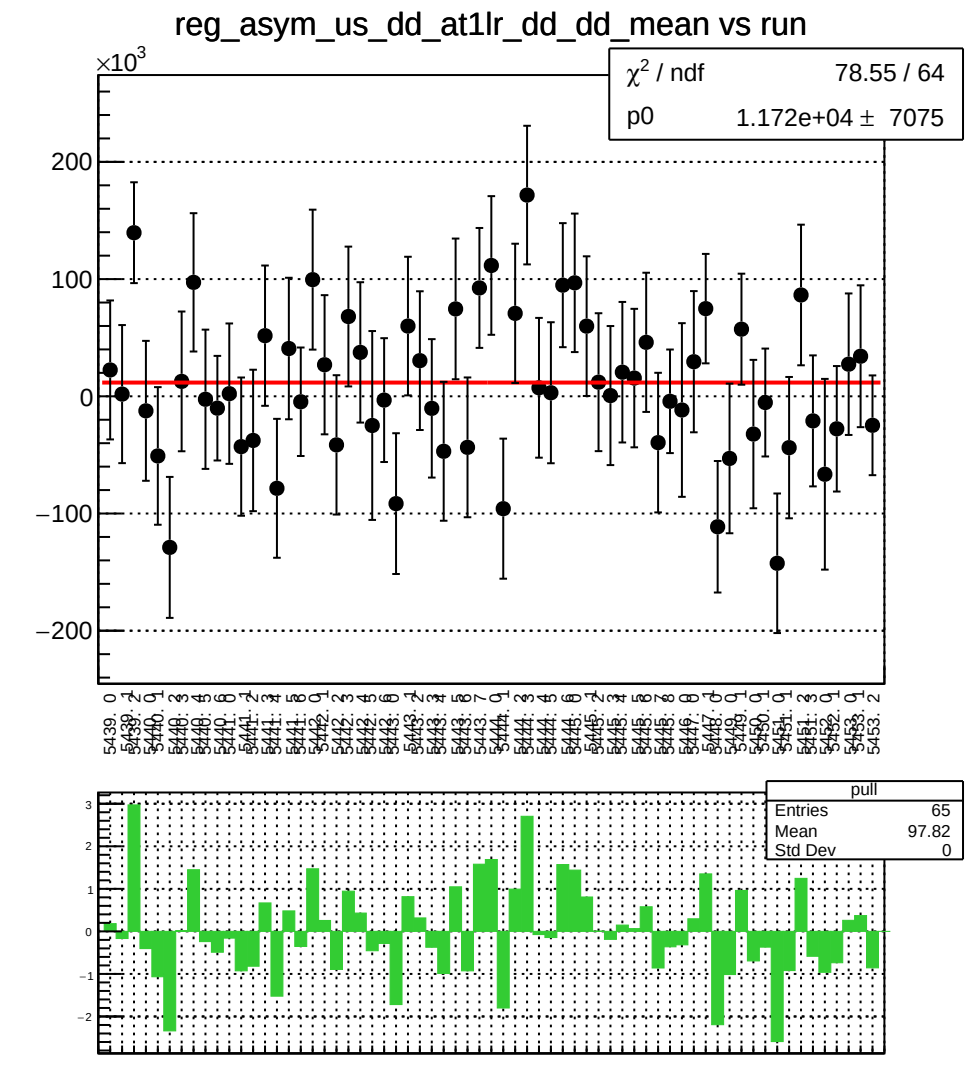

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.73 / 64
p0 0.3704 ± 0.1955
pull
Entries 65
Mean −23.03
Std Dev 0
pull1D
Entries 65
Mean 0.03349
Std Dev 1.134

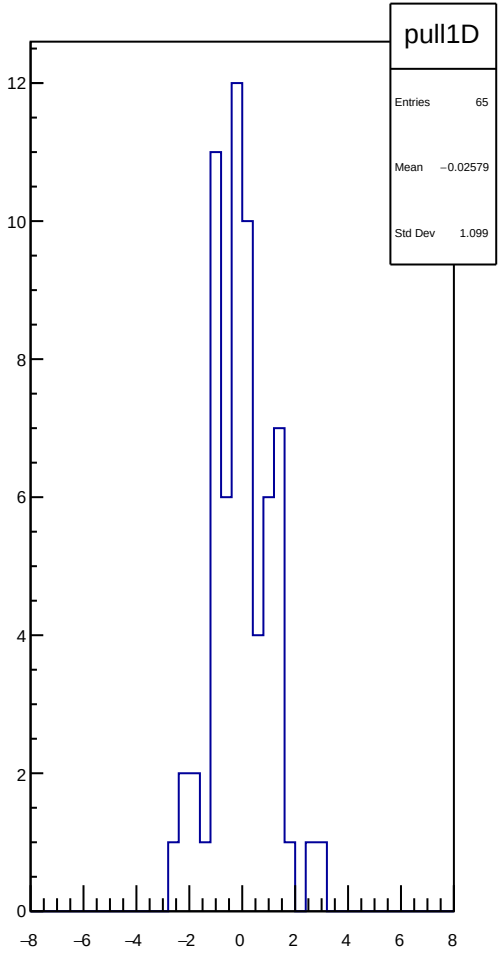

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 64
p0 143.4 ± 0.1382
1000
800
600
400
200

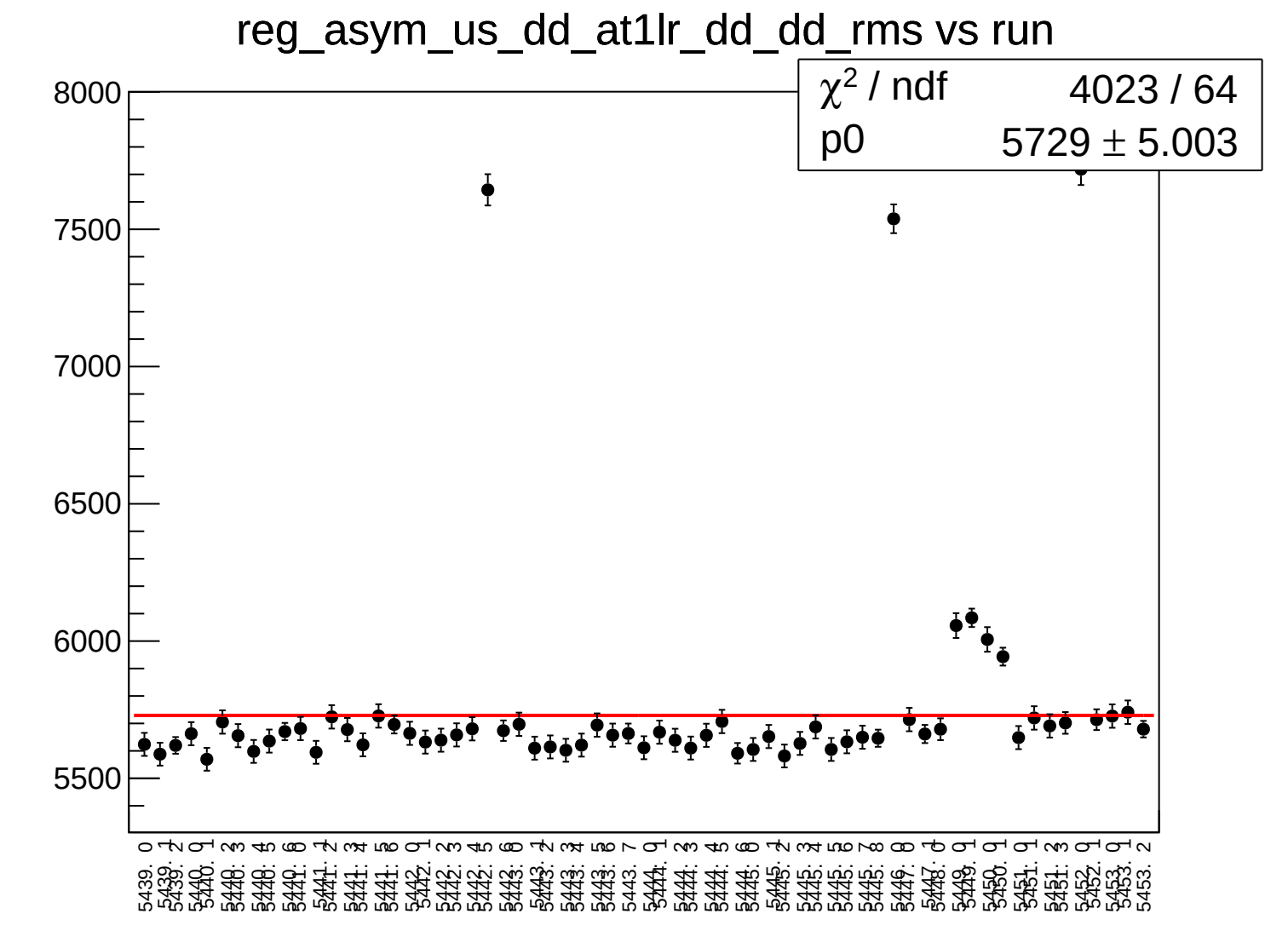

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.04 / 64
p0 −3.781e−14 ± 4.868e−14
pull
Entries 65
Mean 29.81
Std Dev 0

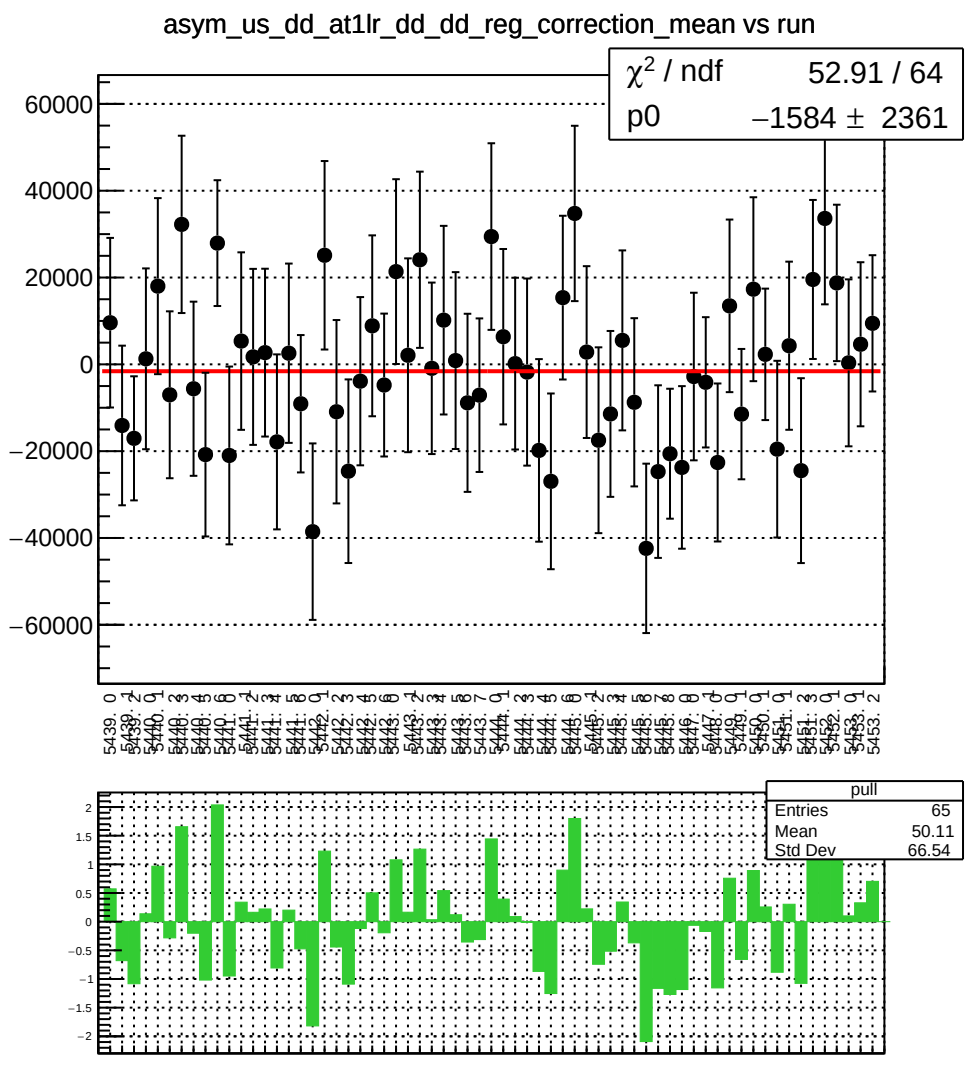

pull1D
Entries 65
Mean −0.0962
Std Dev 1.166

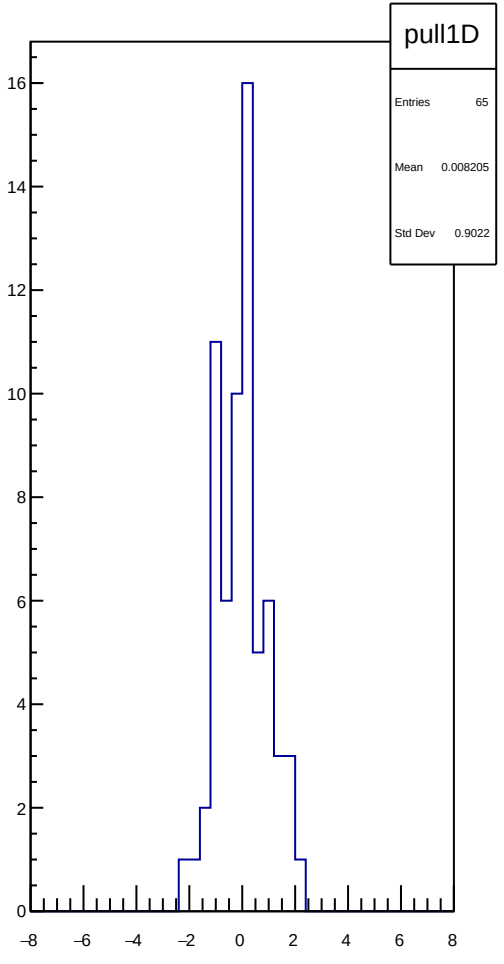

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.387e+05 / 64
p0 2.832e−11 ± 3.442e−14
0.5
0.4
0.3
0.2
0.1

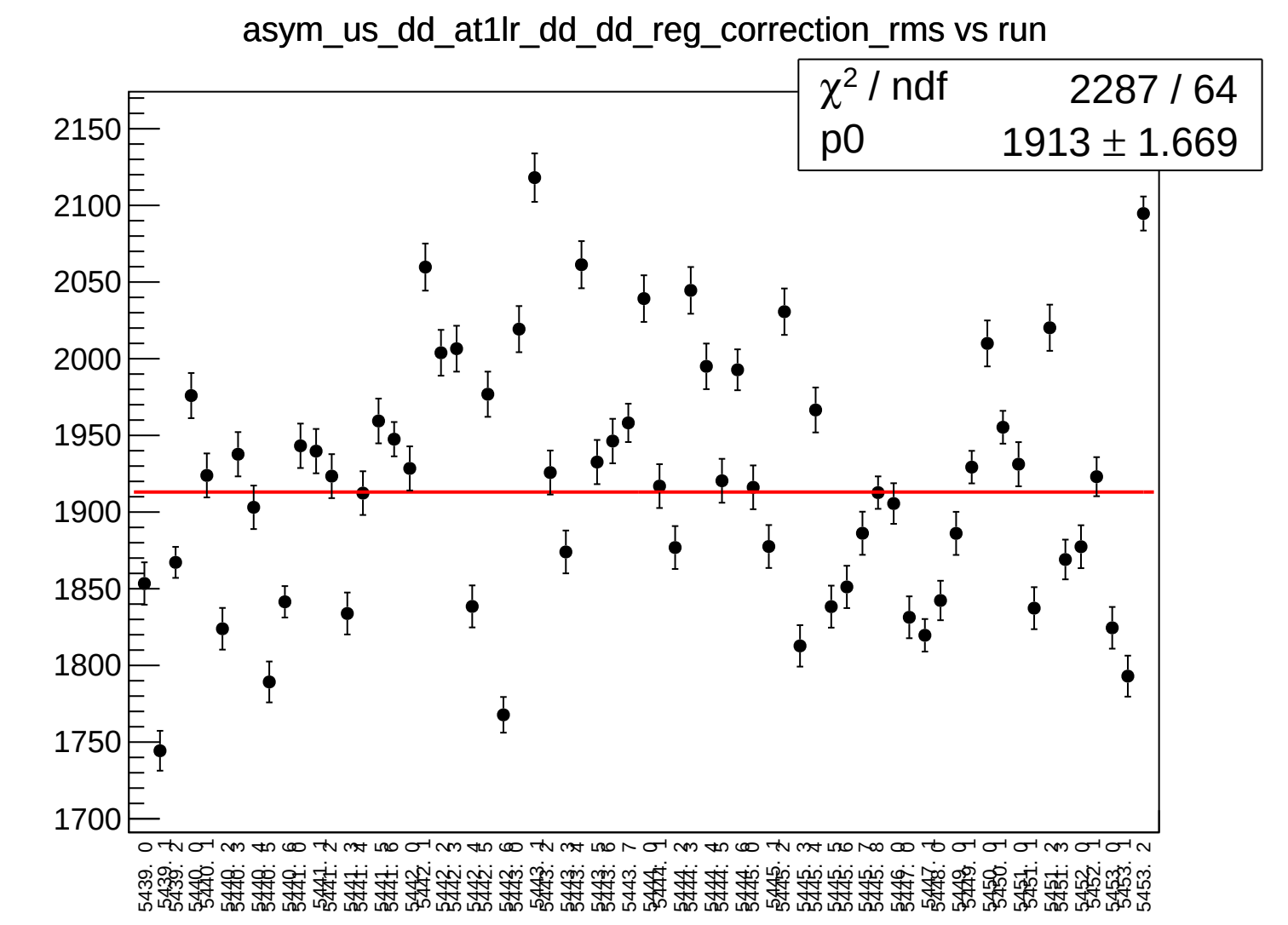

reg_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 78.55 / 64
p0 1.172e+04 ± 7075
200
100
0
−100
−200
pull
Entries 65
Mean 97.82
Std Dev 0
3
2
1
0
−1
−2

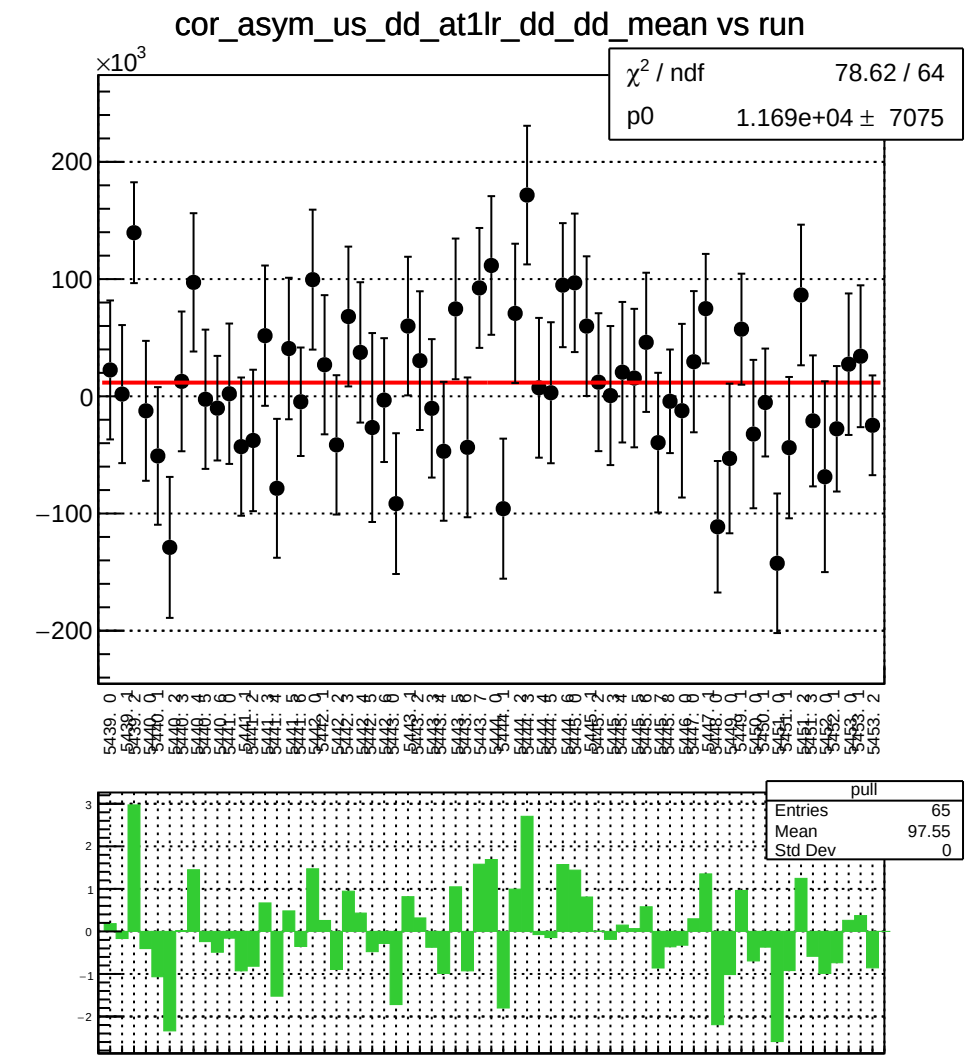

pull1D
Entries 65
Mean −0.02579
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

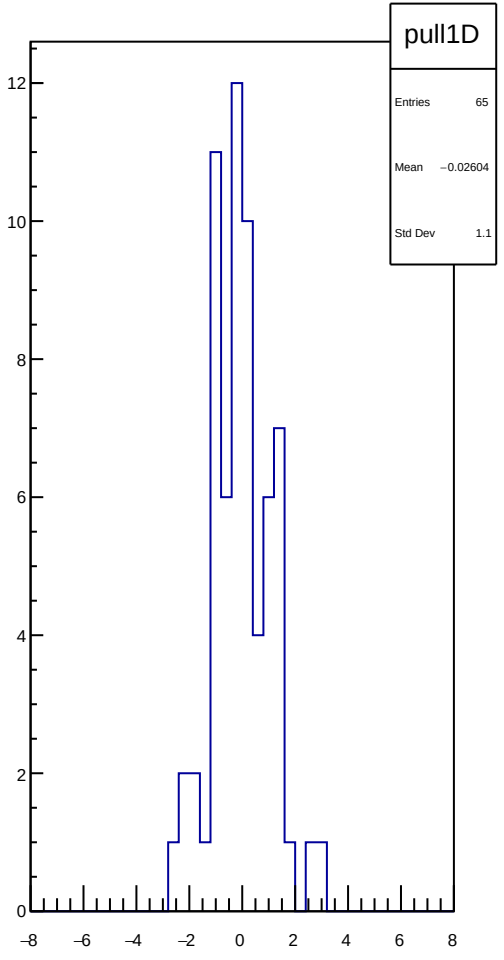

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 4023 / 64
p0 5729 ± 5.003
8000
7500
7000
6500
6000
5500

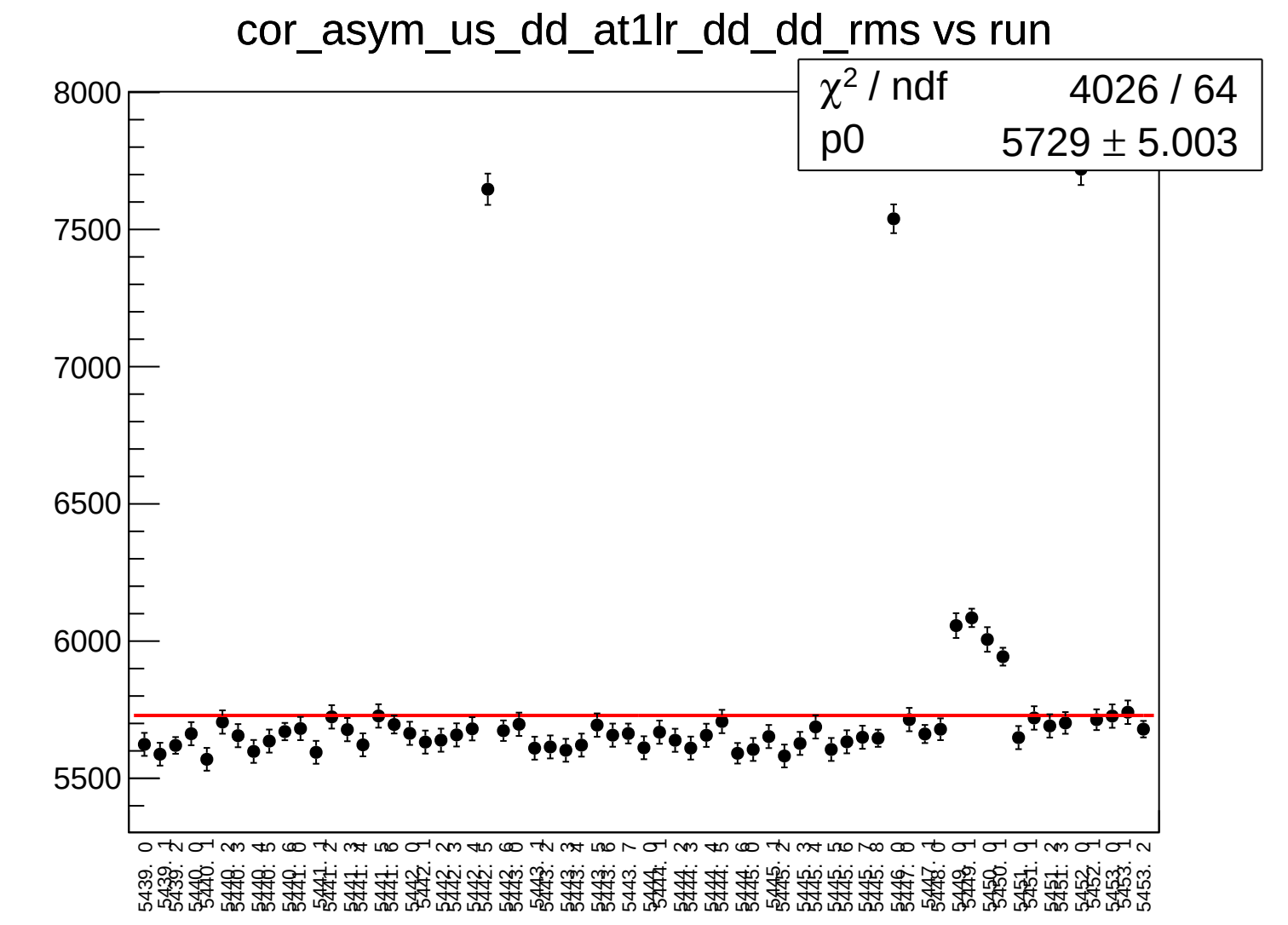

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 52.91 / 64
p0 −1584 ± 2361
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 50.11
Std Dev 66.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

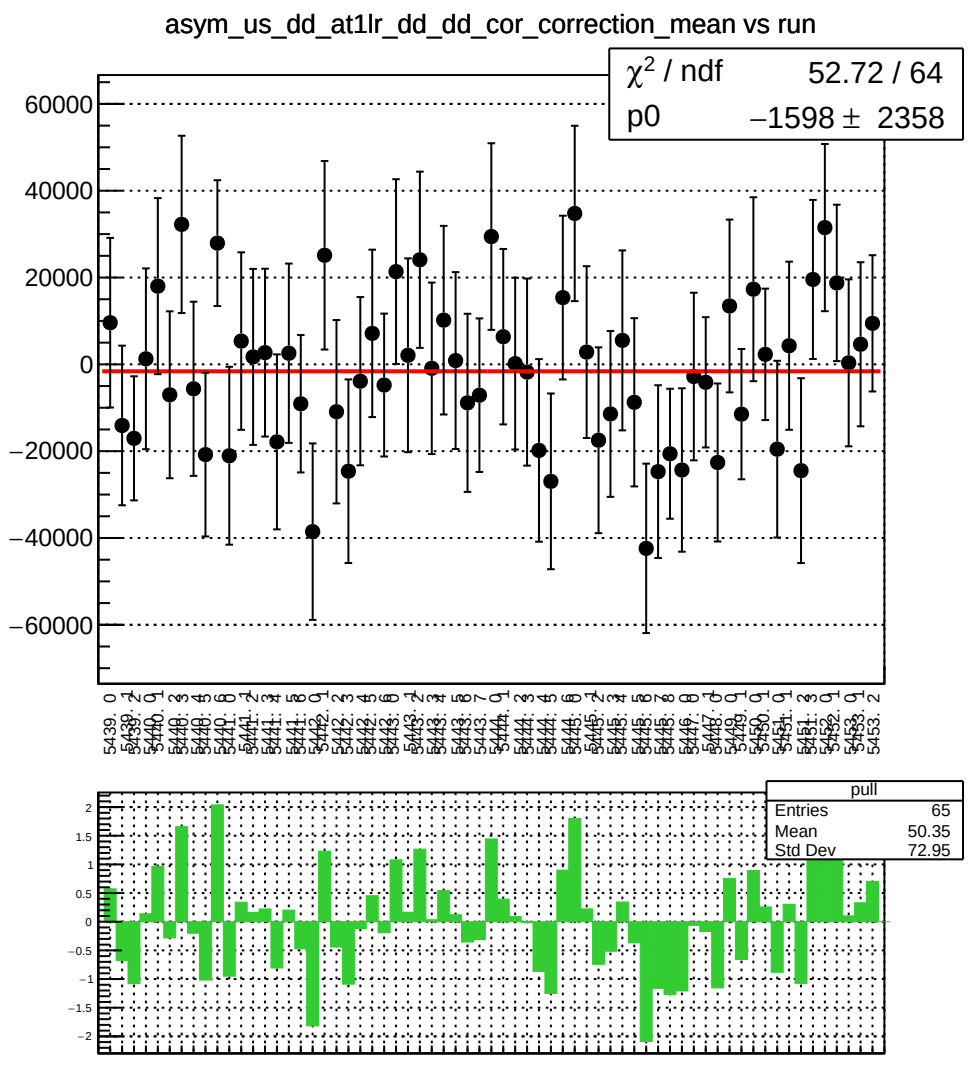

pull1D
Entries 65
Mean 0.008205
Std Dev 0.9022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

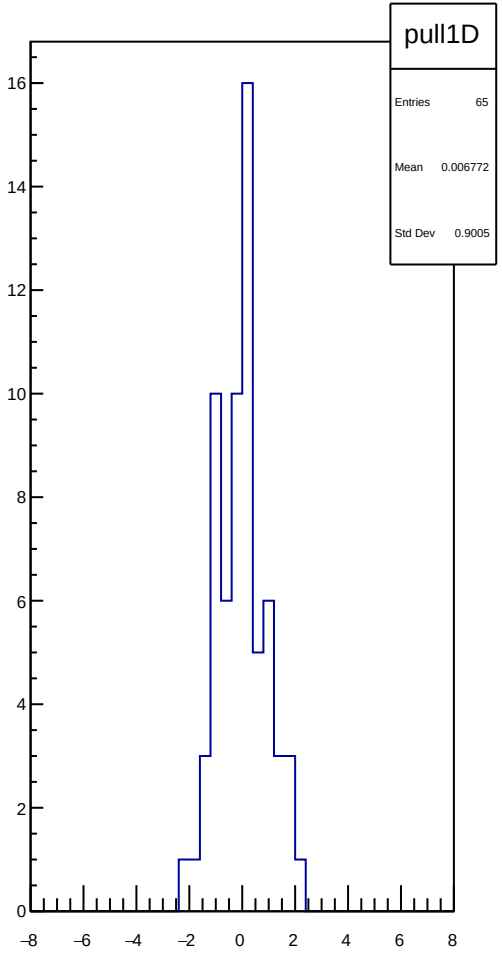

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2287 / 64
p0 1913 ± 1.669
2150
2100
2050
2000
1950
1900
1850
1800
1750
1700

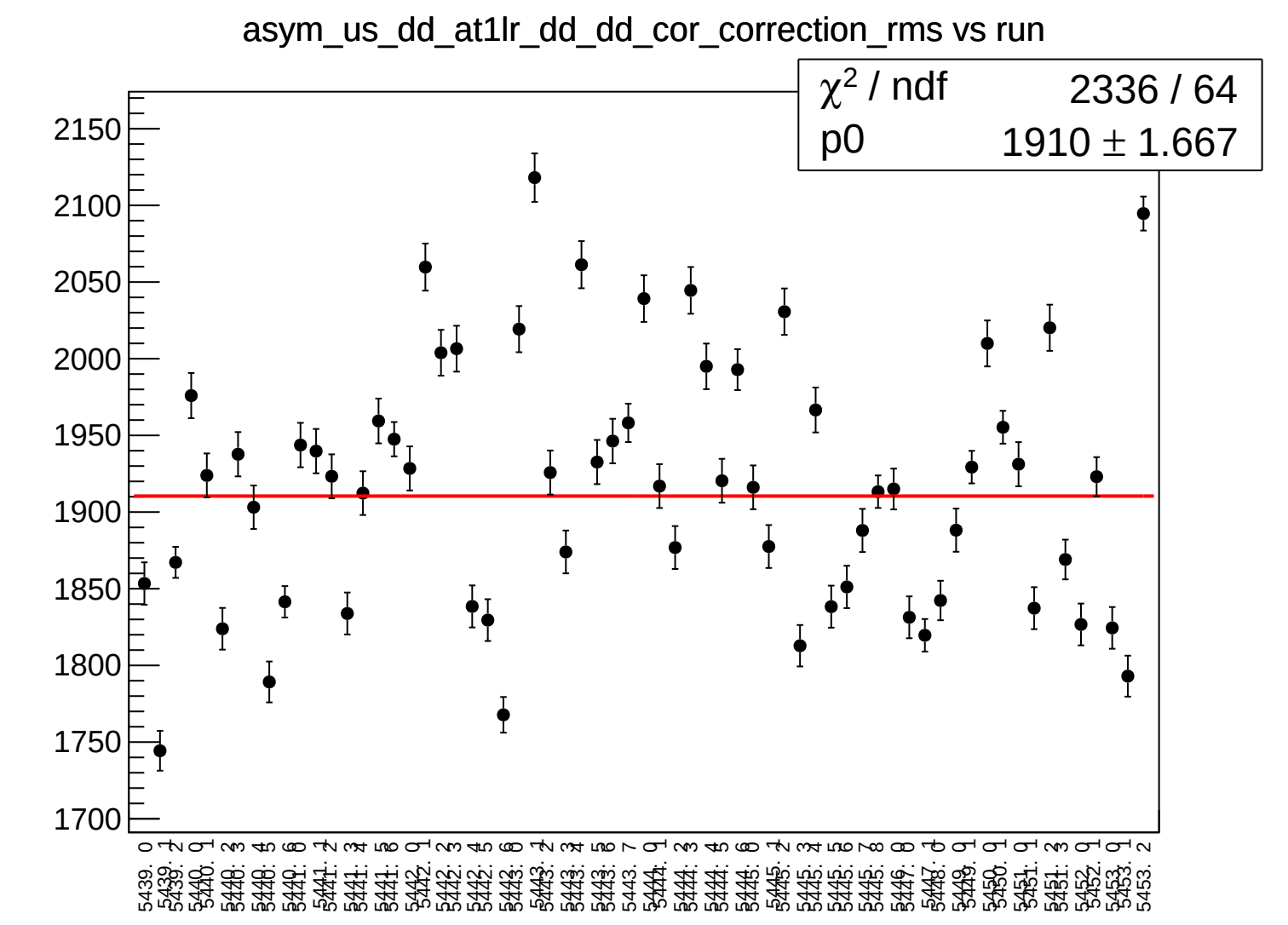

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 78.62 / 64
p0 1.169e+04 ± 7075
×10³
pull
Entries 65
Mean 97.55
Std Dev 0

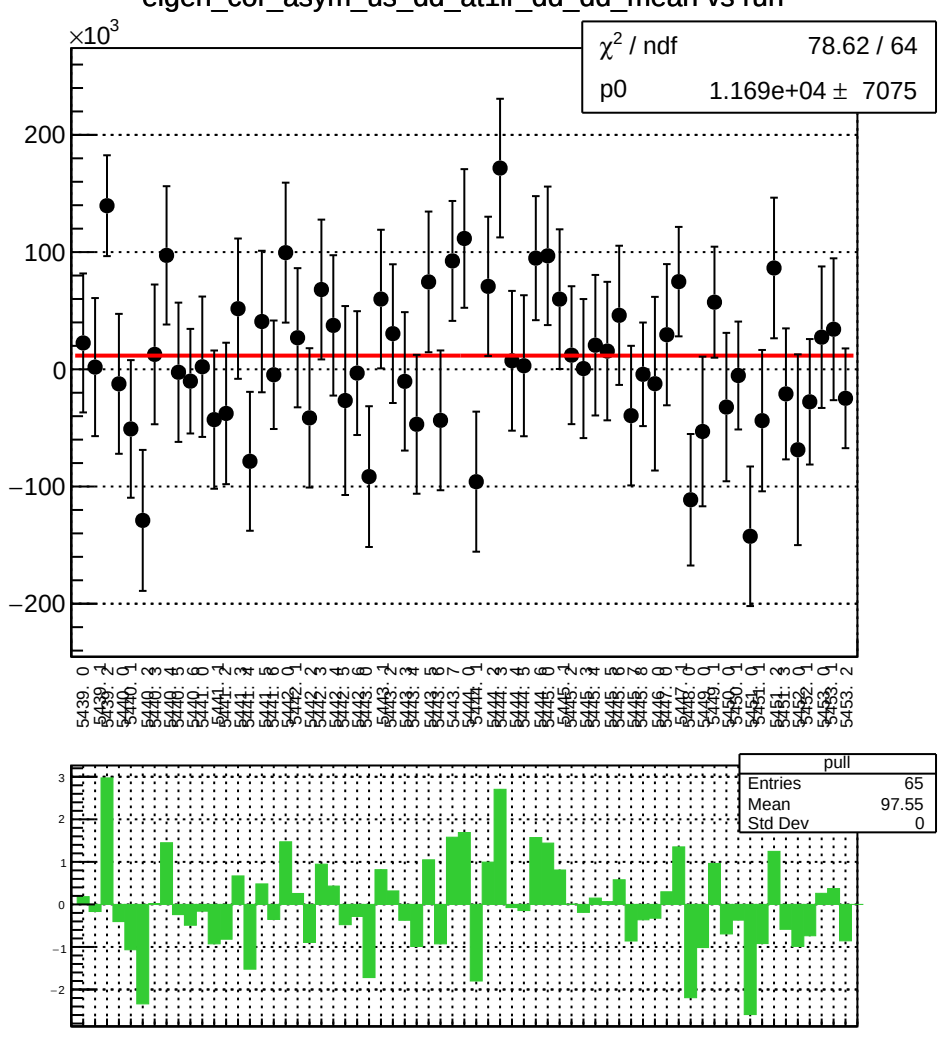

pull1D
Entries 65
Mean −0.02604
Std Dev 1.1

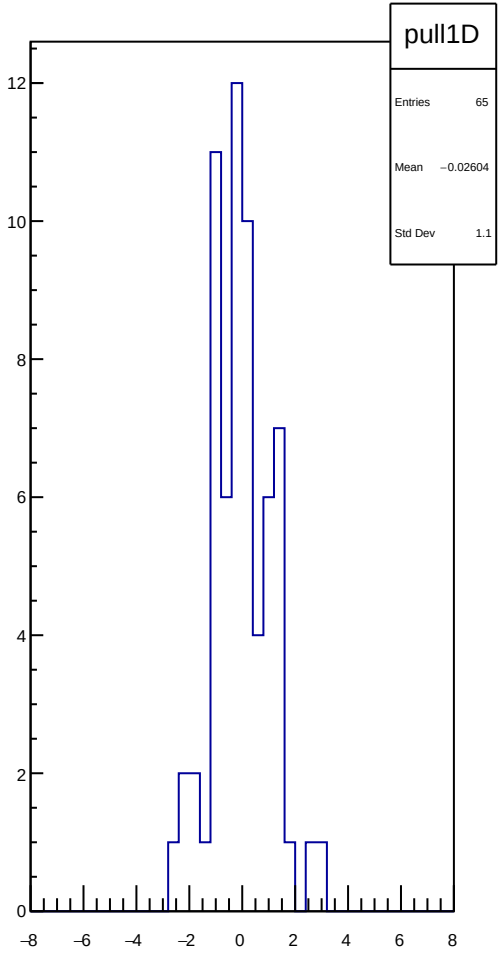

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 4026 / 64
p0 5729 ± 5.003
8000
7500
7000
6500
6000
5500

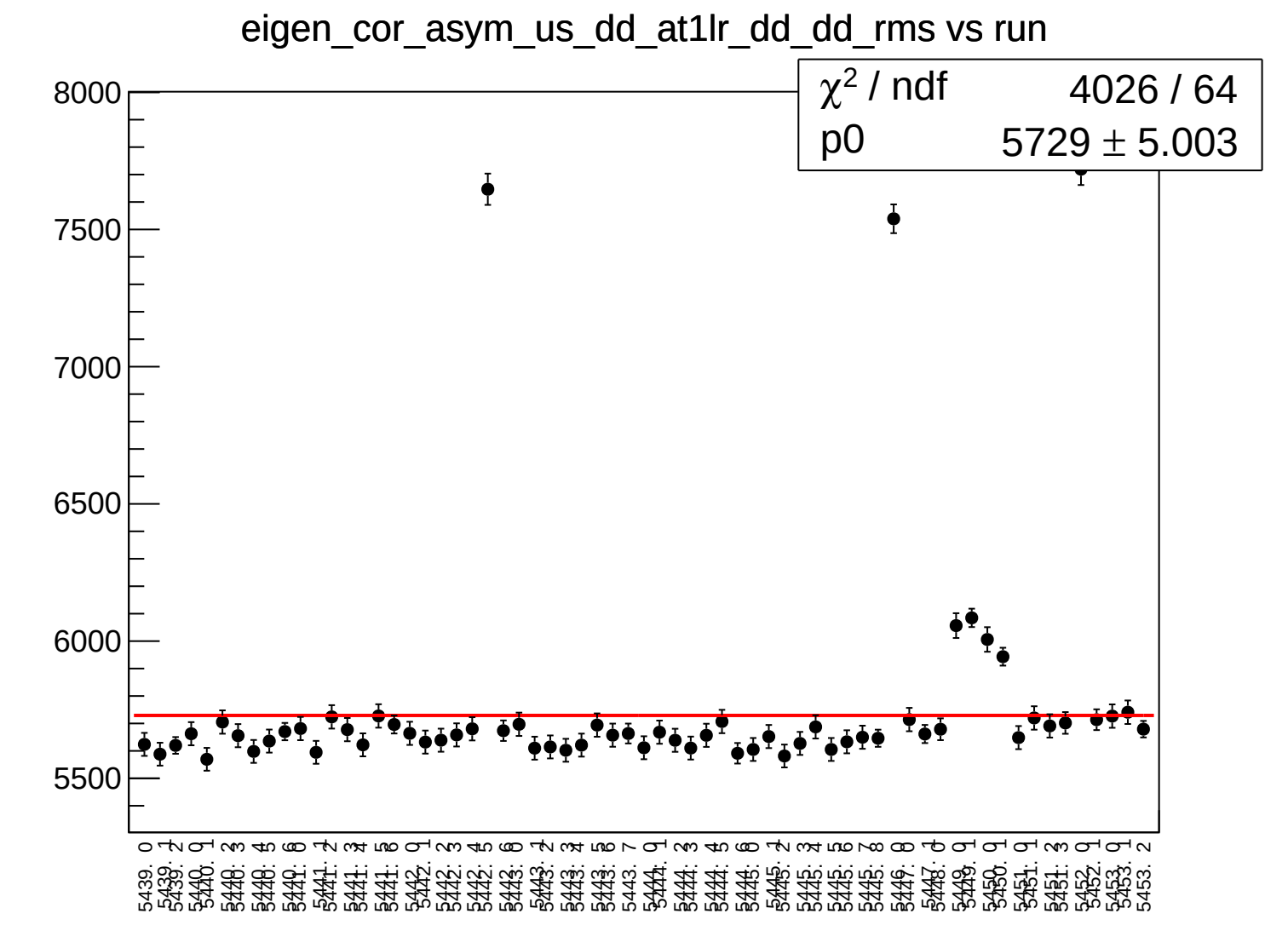

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 52.72 / 64
p0 −1598 ± 2358
pull
Entries 65
Mean 50.35
Std Dev 72.95

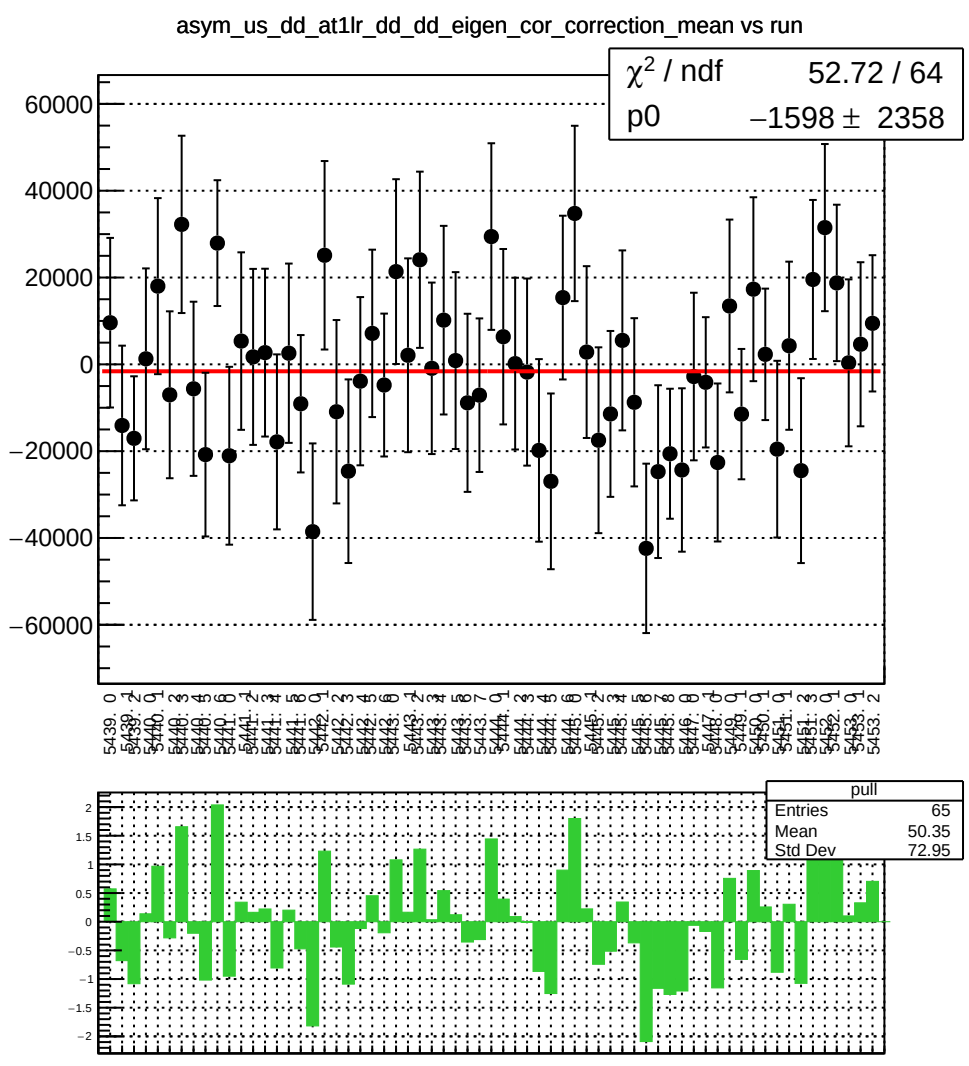

pull1D
Entries 65
Mean 0.006772
Std Dev 0.9005

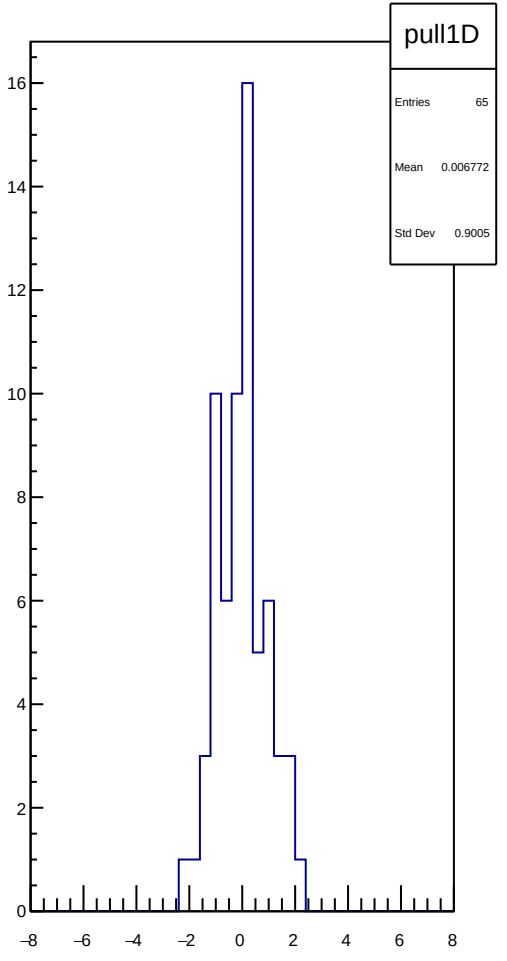

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2336 / 64
p0 1910 ± 1.667
2150
2100
2050
2000
1950
1900
1850
1800
1750
1700

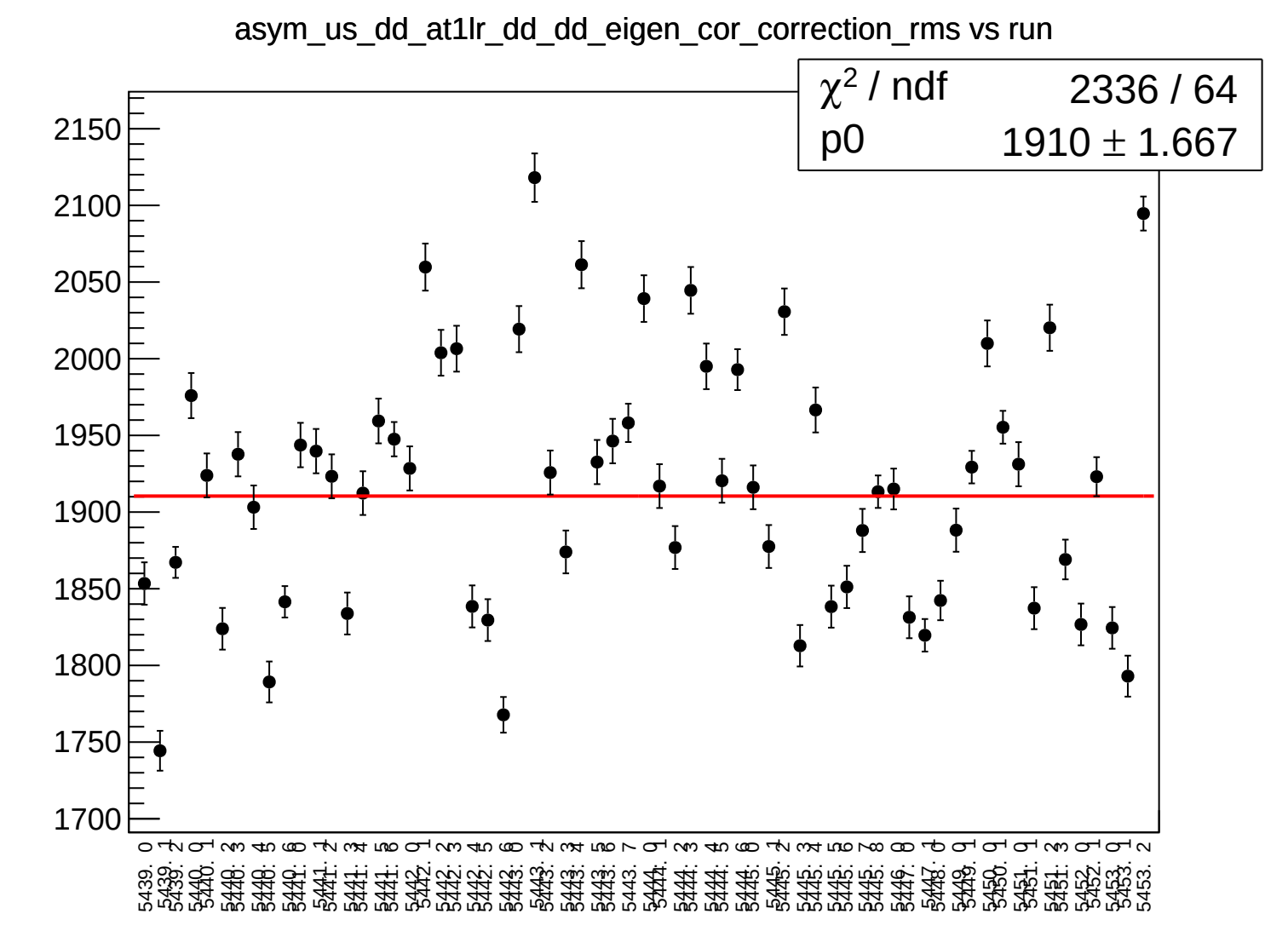

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 78.62 / 64
p0 1.169e+04 ± 7075
200
100
0
−100
−200
pull
Entries 65
Mean 97.55
Std Dev 0
3
2
1
0
−1
−2

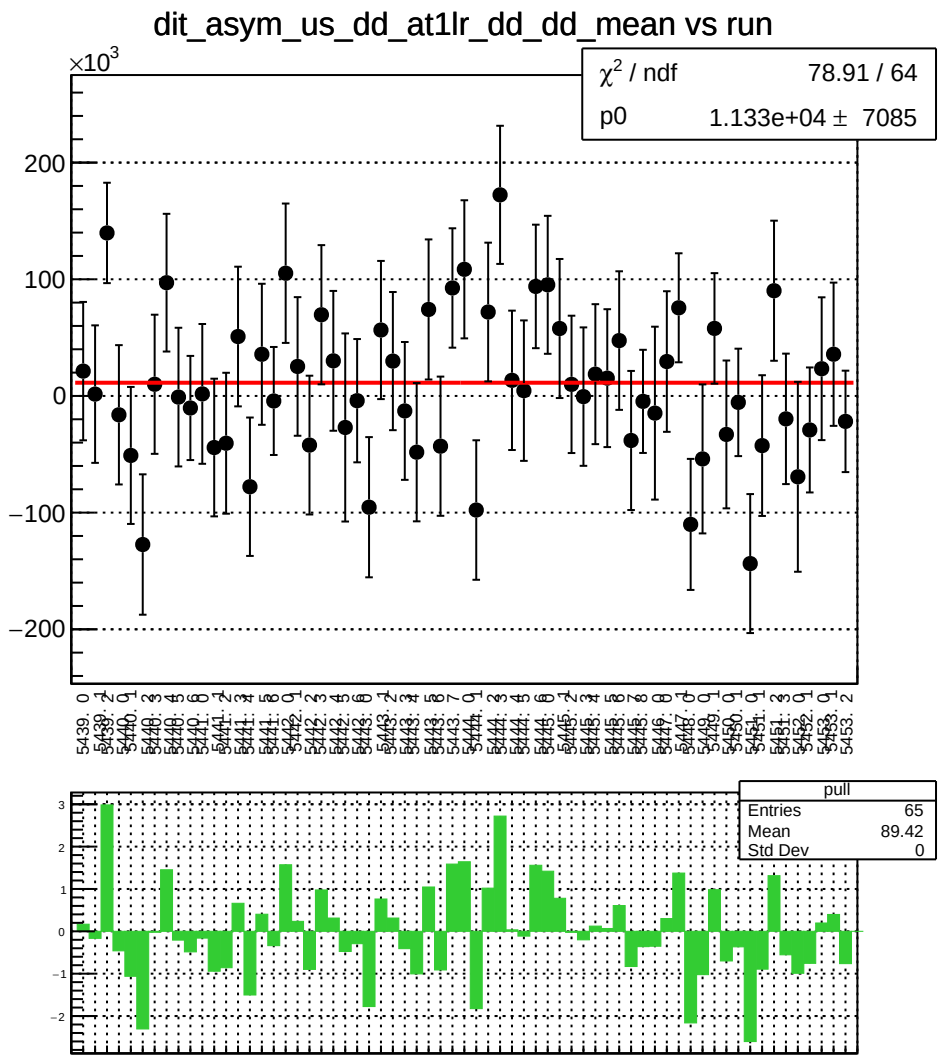

pull1D
Entries 65
Mean −0.02604
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

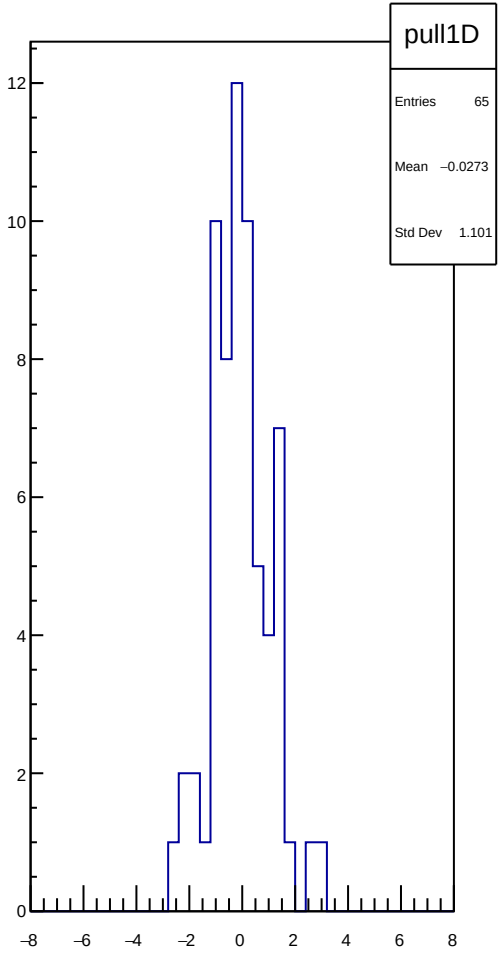

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 4026 / 64
p0 5729 ± 5.003
8000
7500
7000
6500
6000
5500

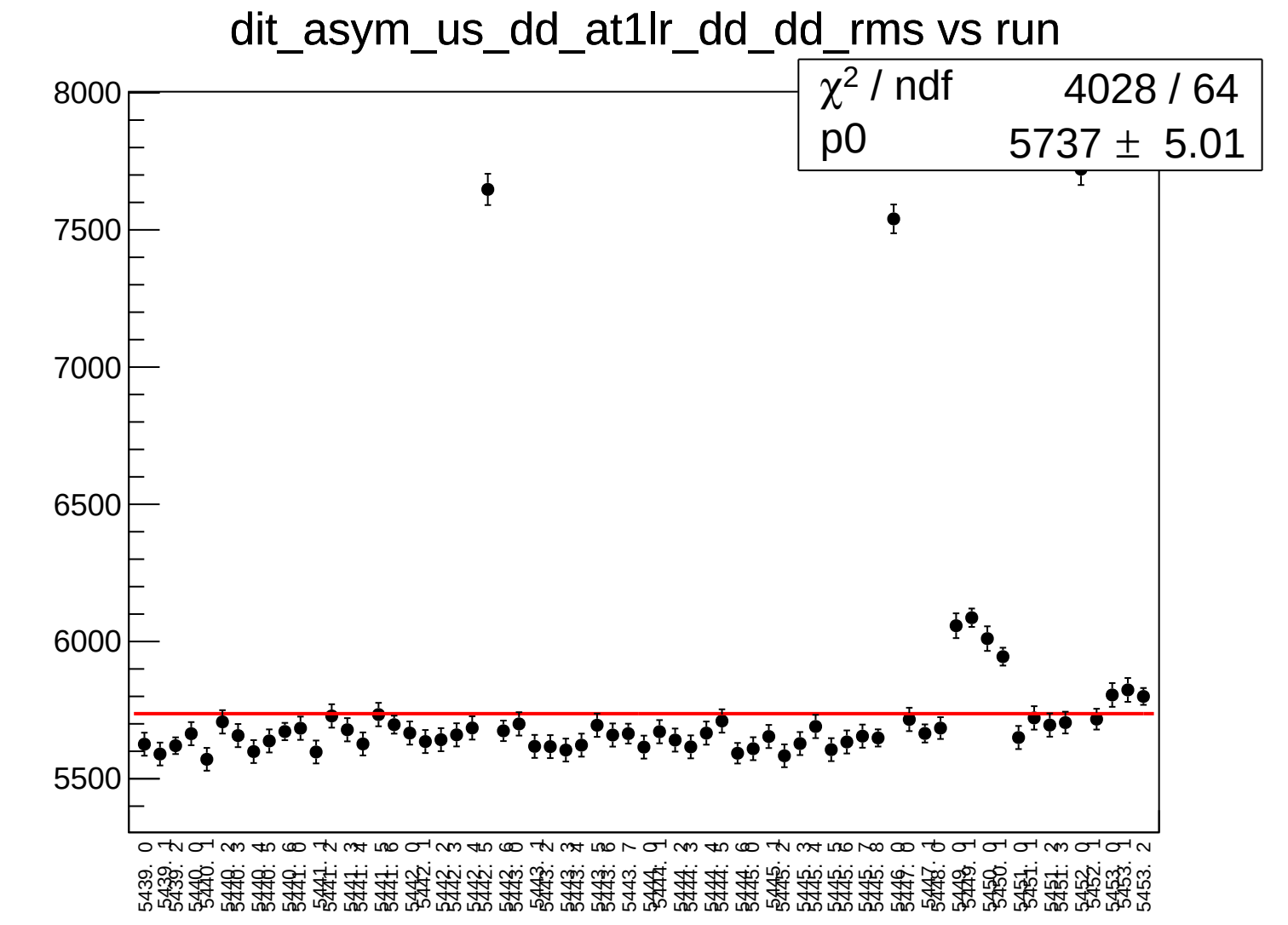

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 52.72 / 64
p0 −1598 ± 2358
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 50.35
Std Dev 72.95
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

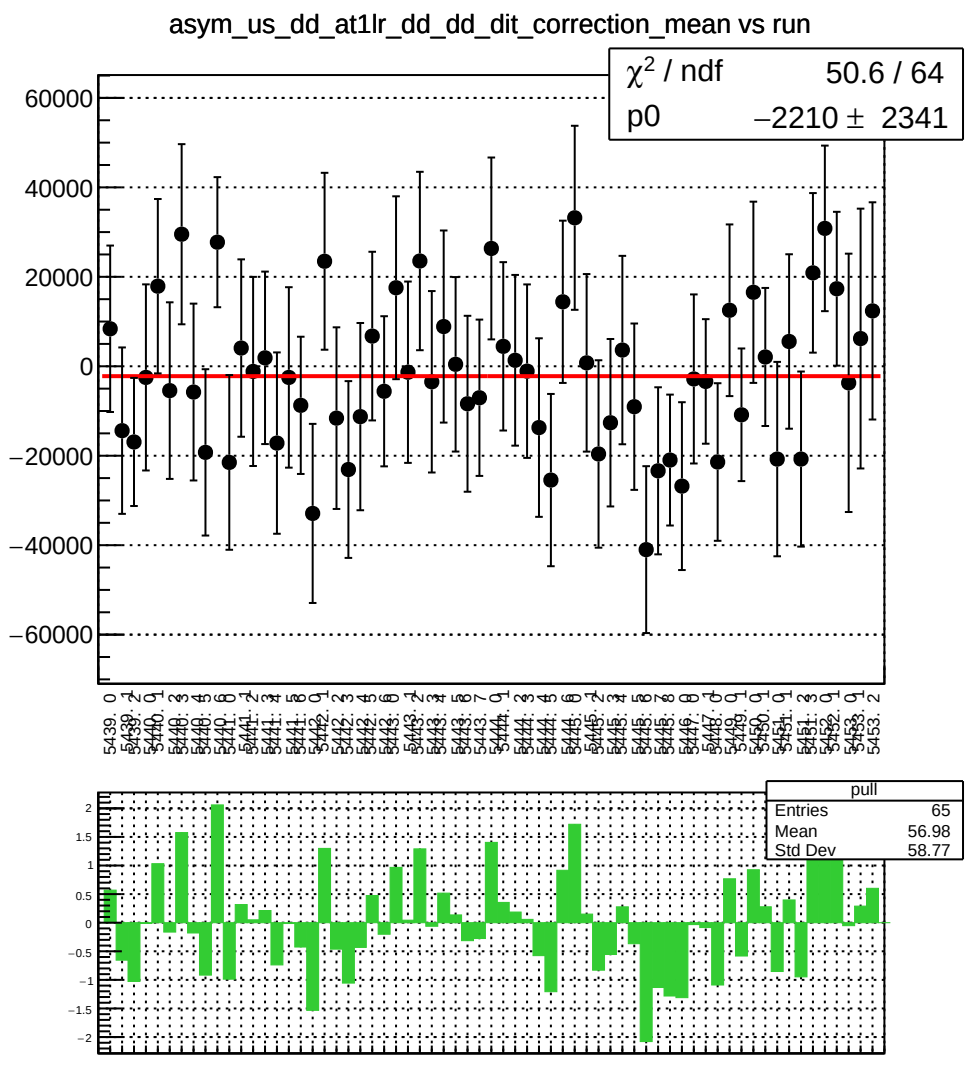

pull1D
Entries 65
Mean 0.006772
Std Dev 0.9005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

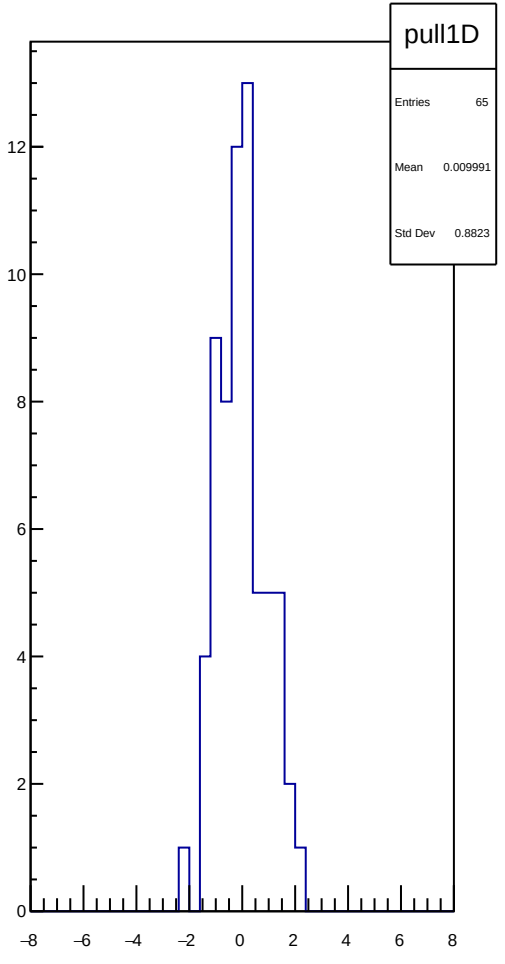

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2336 / 64
p0 1910 ± 1.667
2150
2100
2050
2000
1950
1900
1850
1800
1750
1700
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

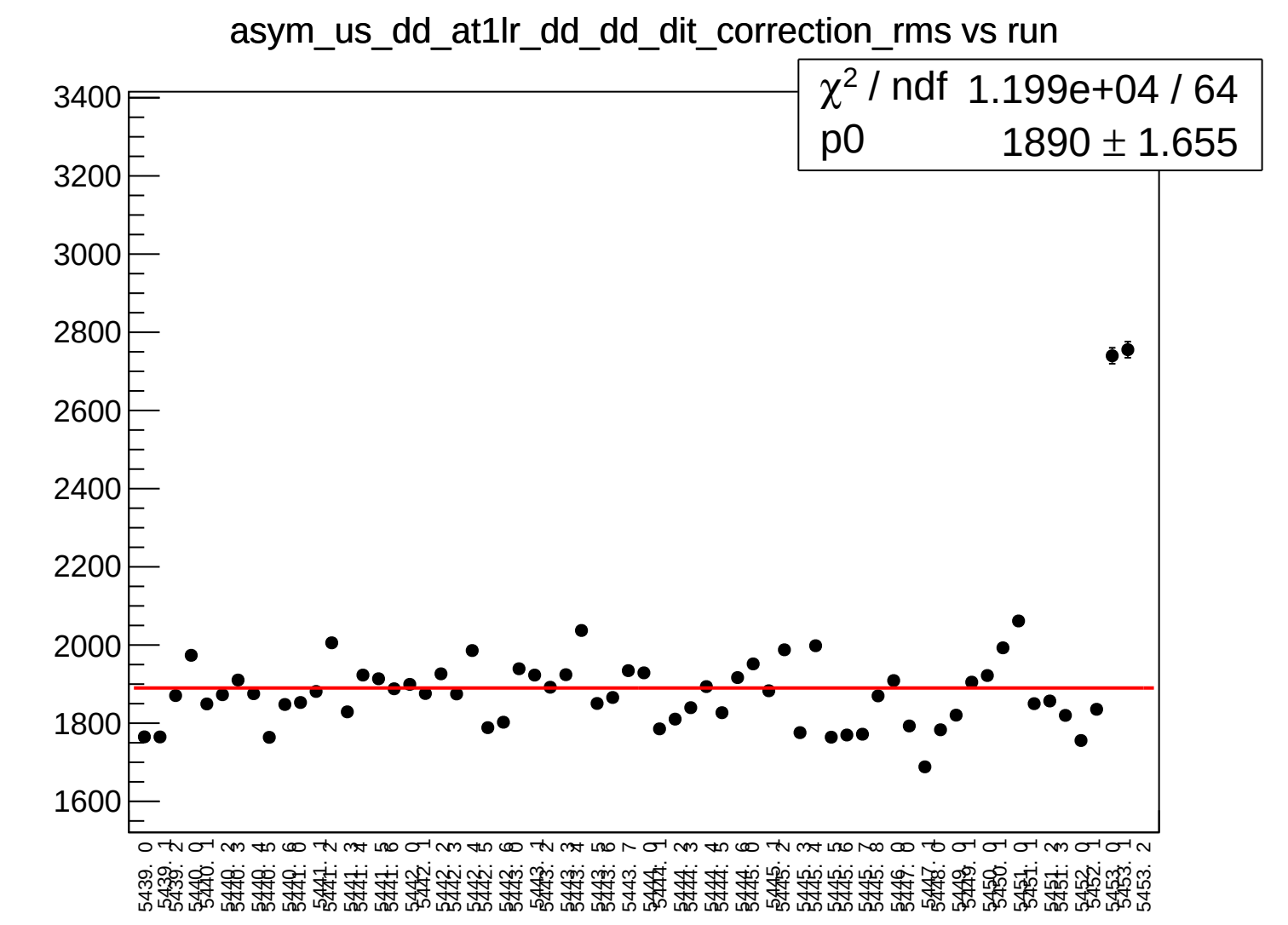

dit_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 78.91 / 64
p0 1.133e+04 ± 7085
200
100
0
−100
−200
pull
Entries 65
Mean 89.42
Std Dev 0
3
2
1
0
−1
−2

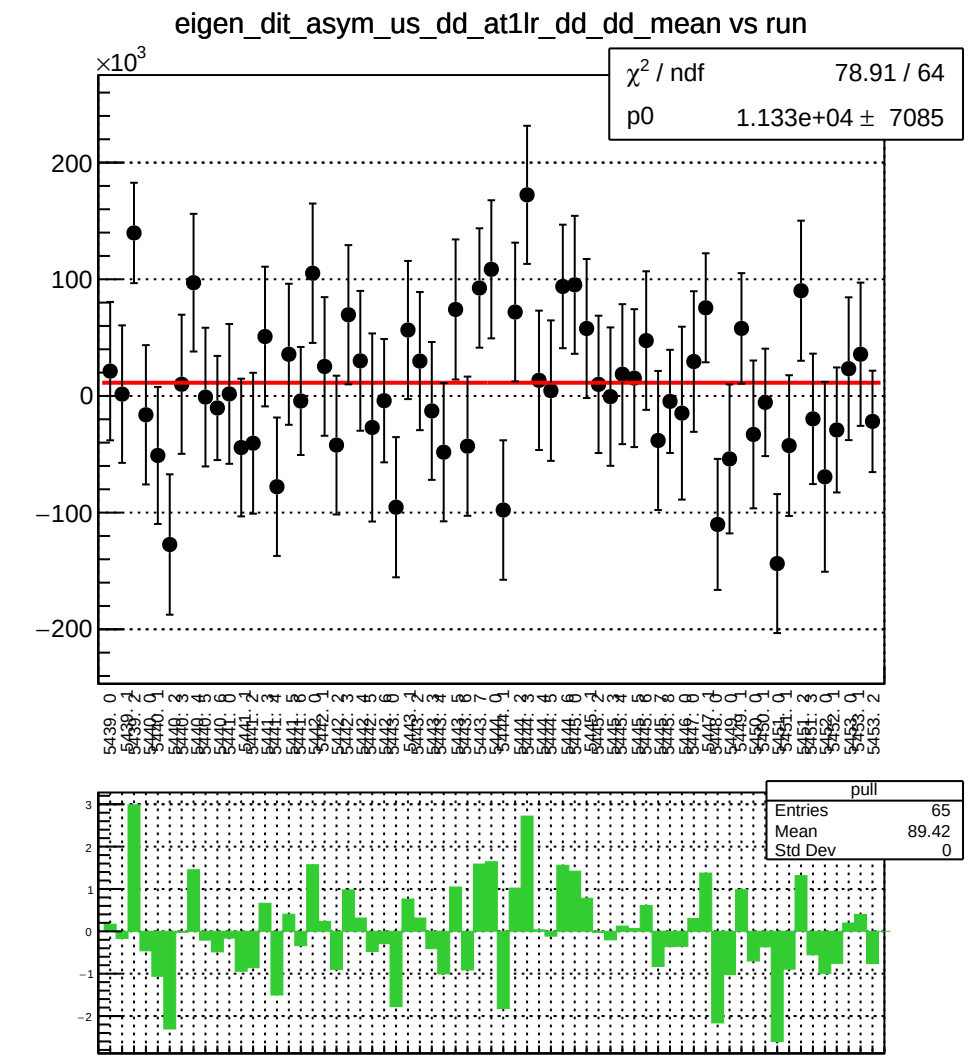

pull1D
Entries 65
Mean −0.0273
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

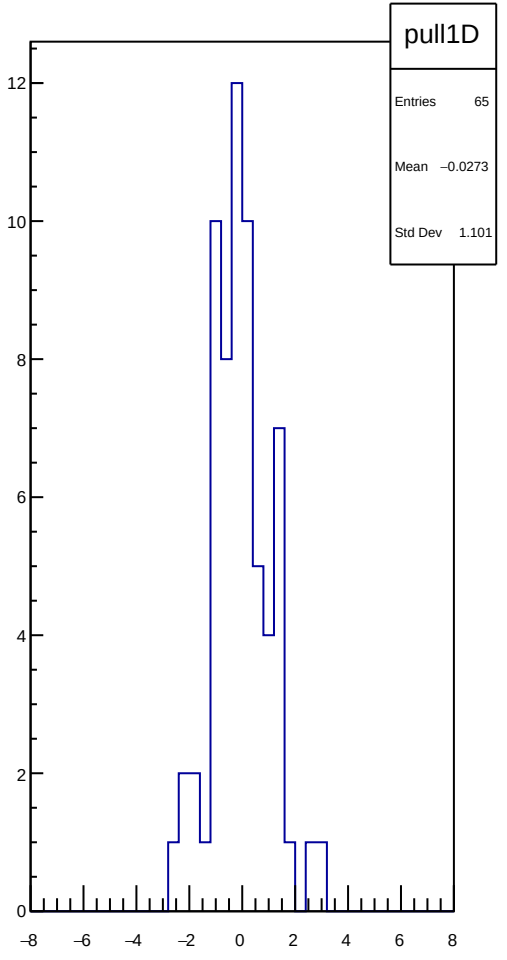

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 4028 / 64
p0 5737 ± 5.01
8000
7500
7000
6500
6000
5500

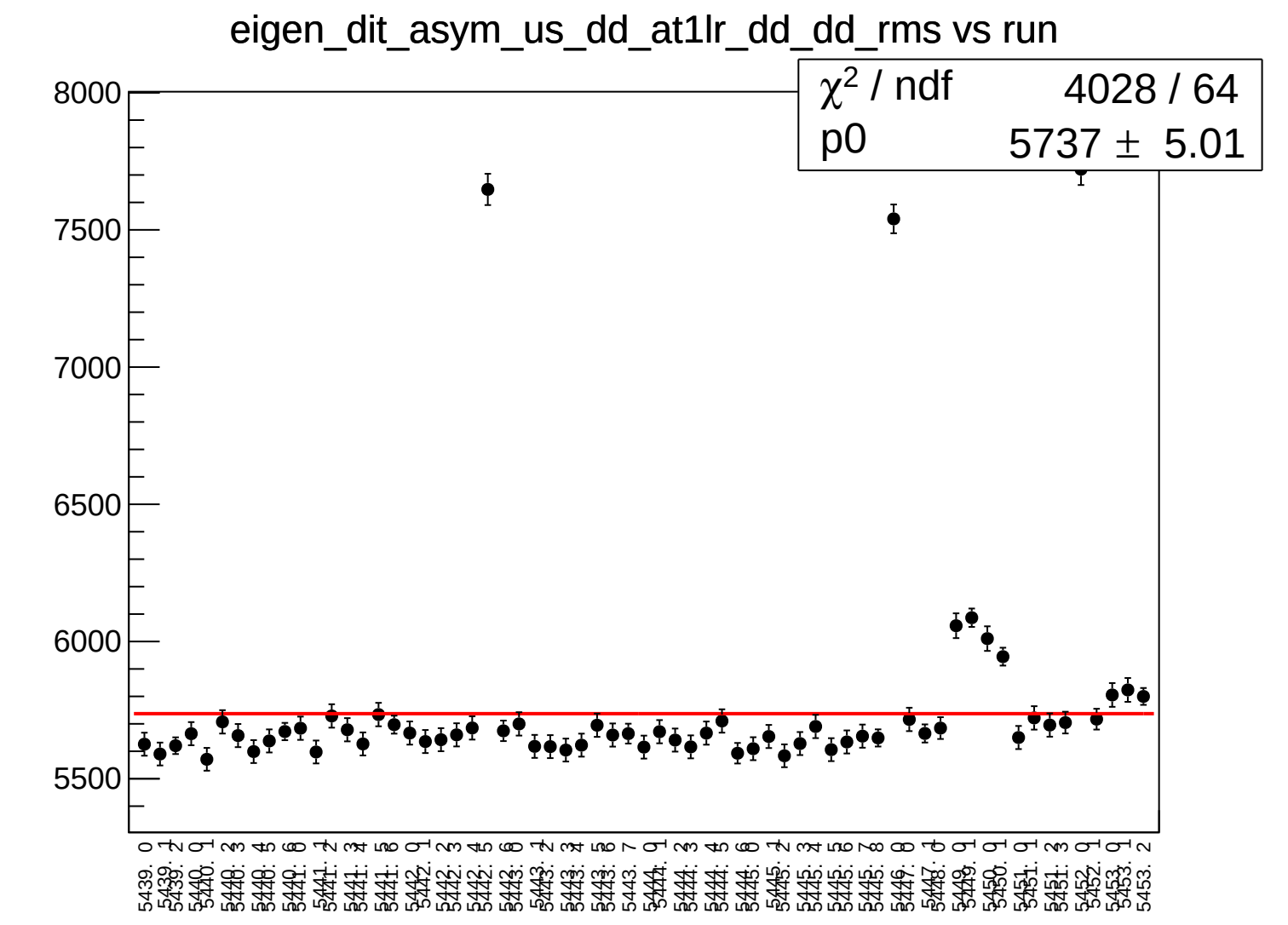

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 50.6 / 64
p0 −2210 ± 2341
pull
Entries 65
Mean 56.98
Std Dev 58.77

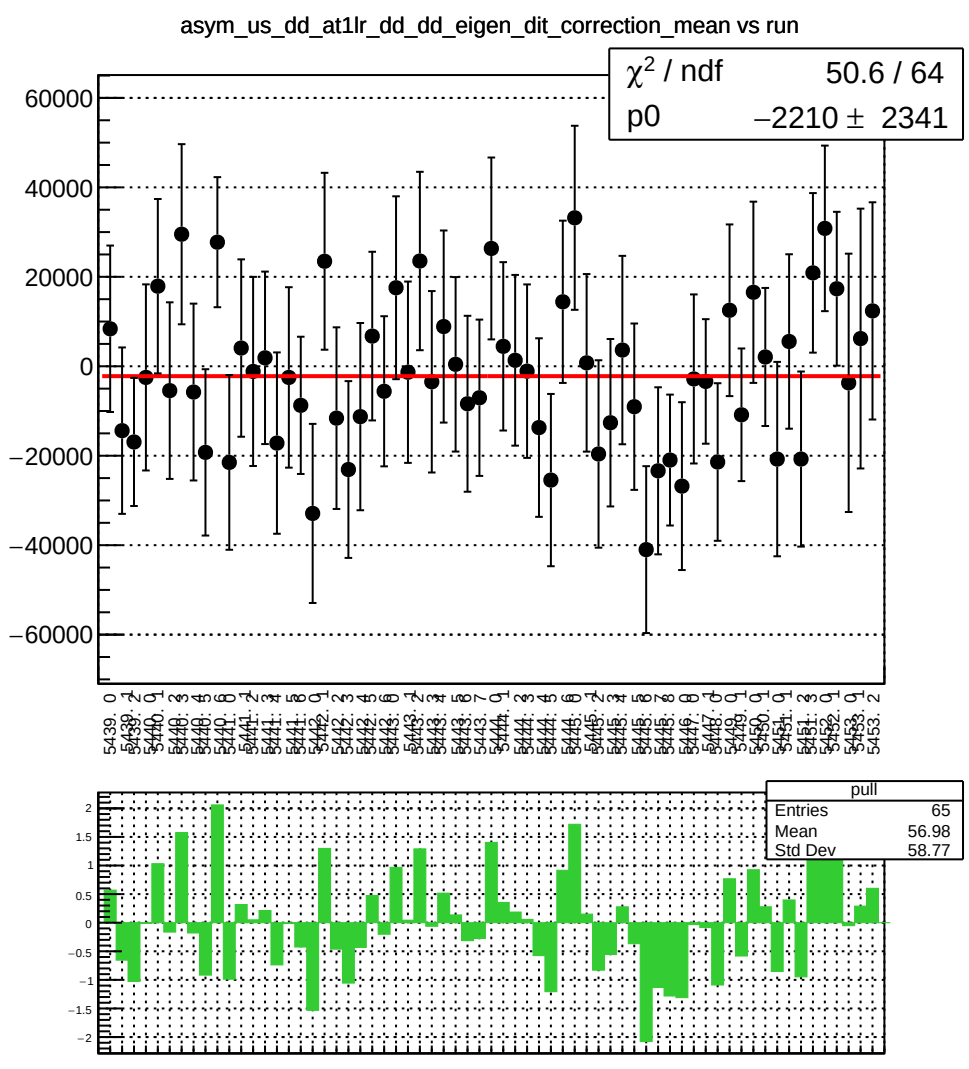

pull1D
Entries 65
Mean 0.009991
Std Dev 0.8823

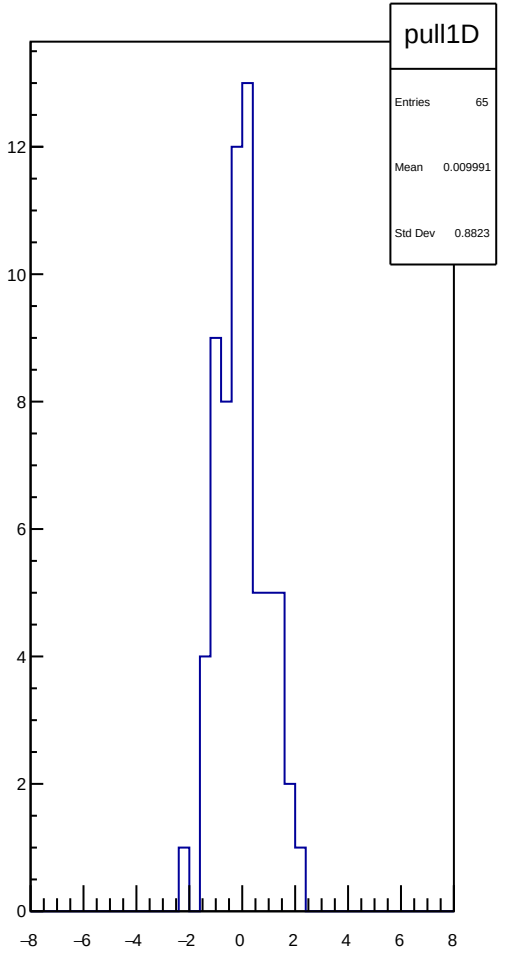

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.199e+04 / 64
p0 1890 ± 1.655
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

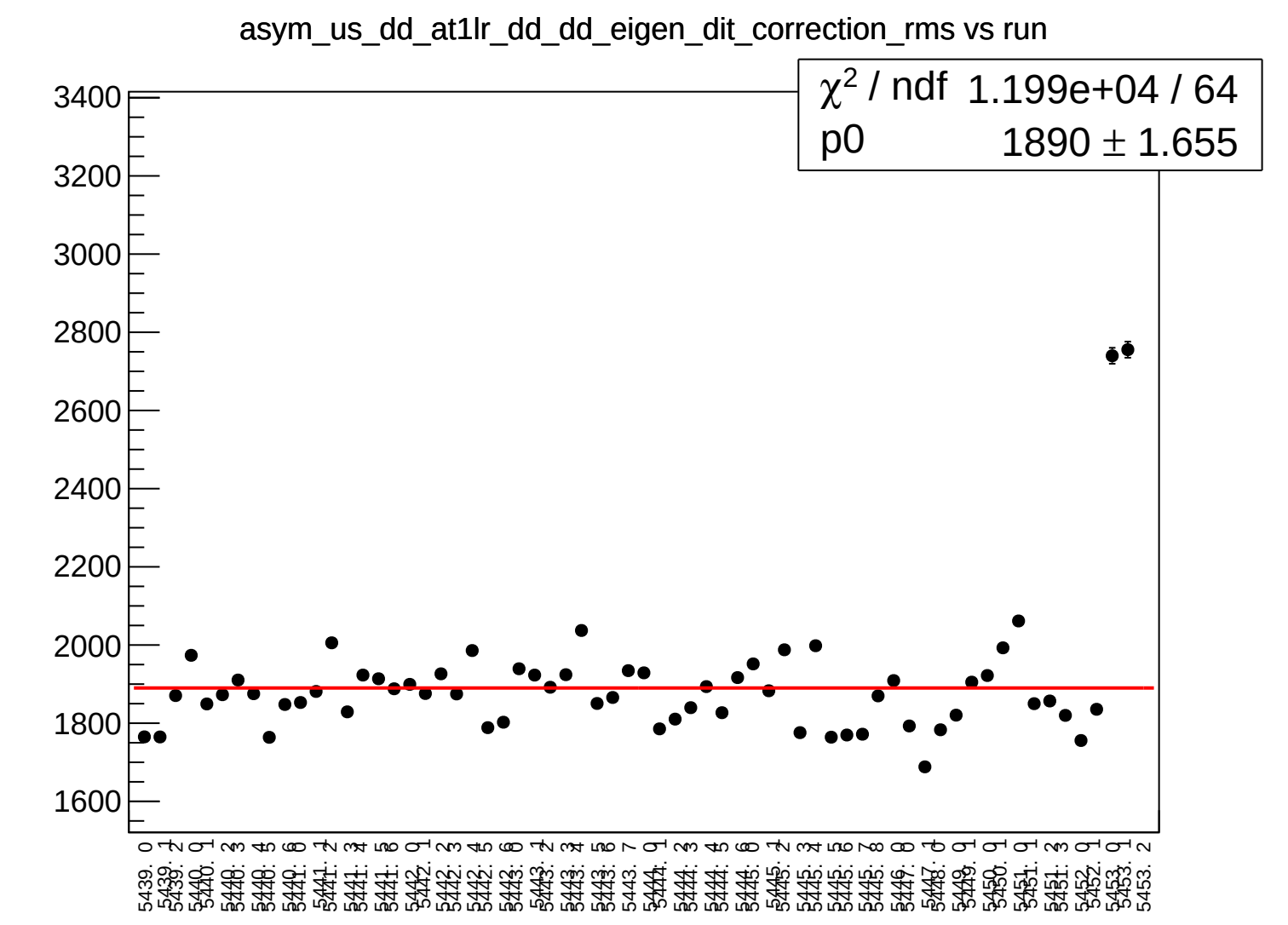

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 78.91 / 64
p0 1.133e+04 ± 7085
200
100
0
−100
−200
pull
Entries 65
Mean 89.42
Std Dev 0
3
2
1
0
−1
−2

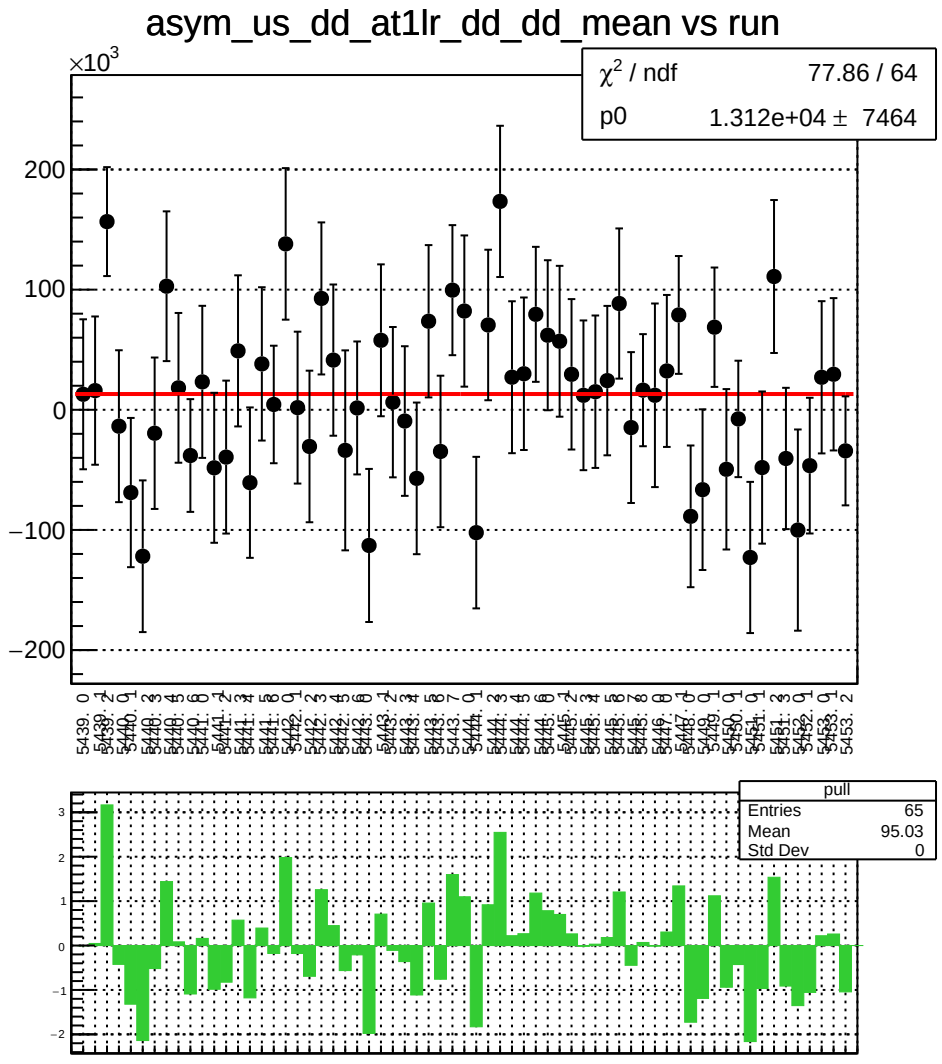

pull1D
Entries 65
Mean −0.0273
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

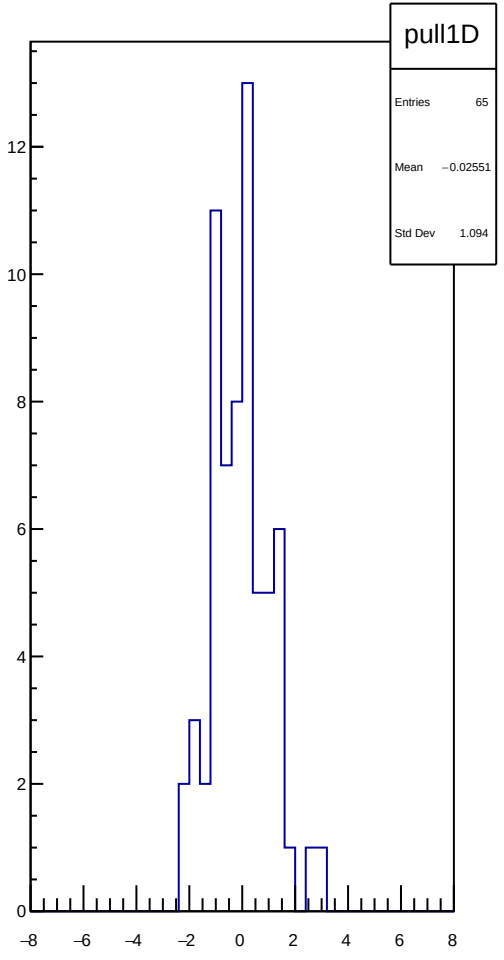

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 4028 / 64
p0 5737 ± 5.01
8000
7500
7000
6500
6000
5500

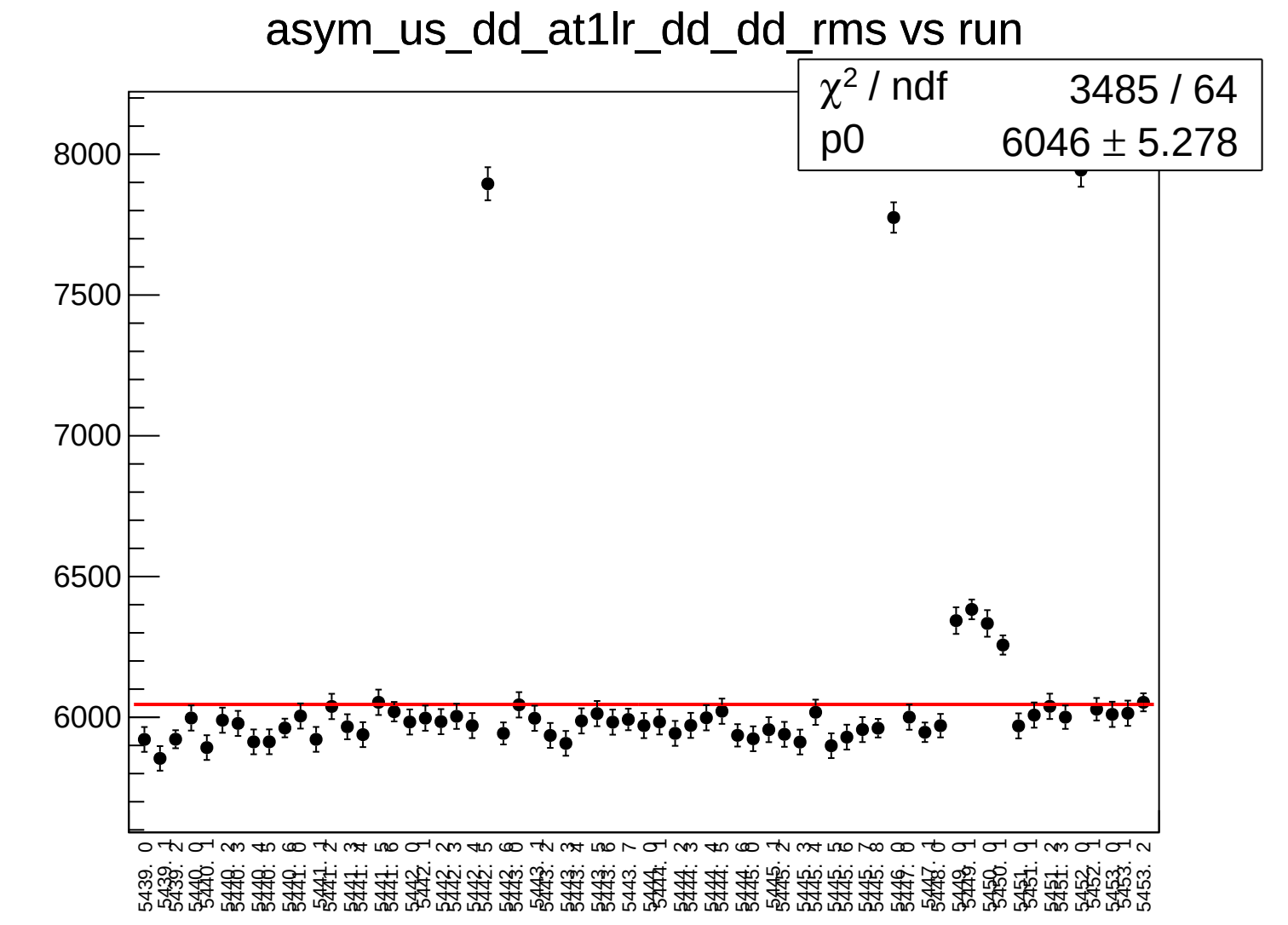

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.6 / 64
p0 −2210 ± 2341
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean 56.98
Std Dev 58.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

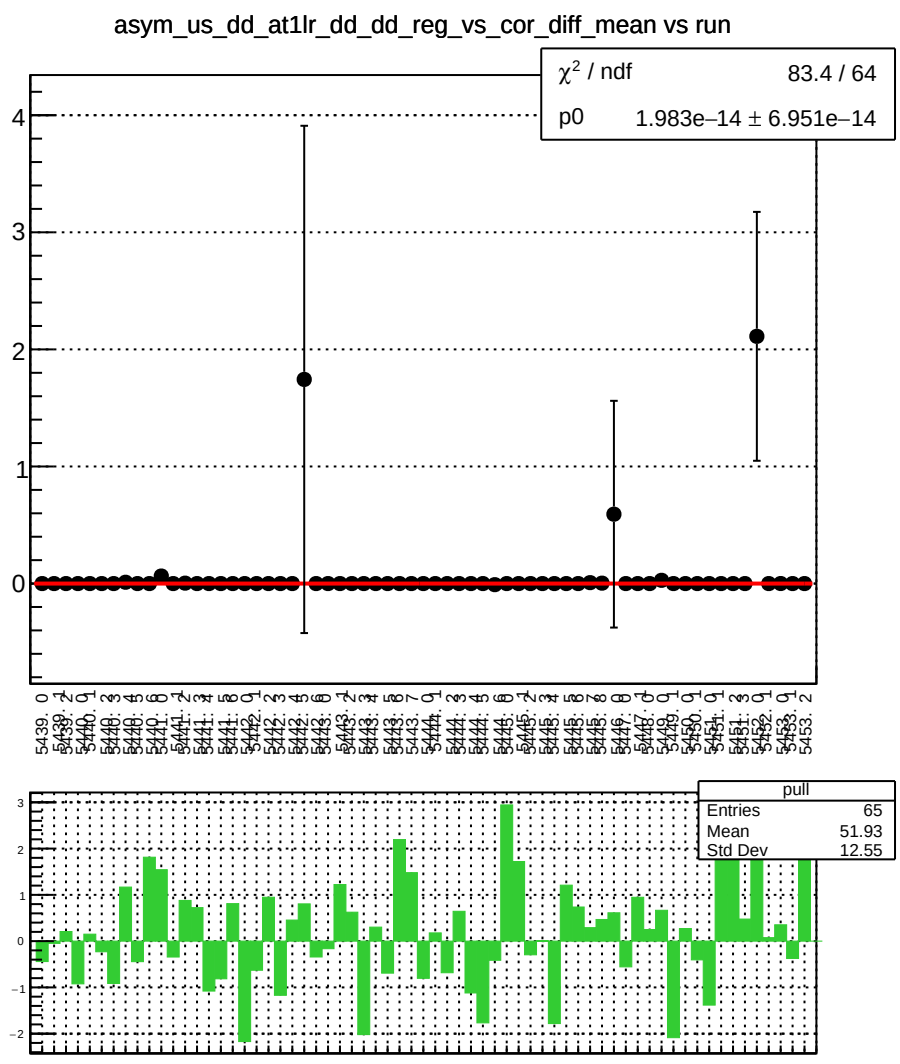

pull1D
Entries 65
Mean 0.009991
Std Dev 0.8823
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

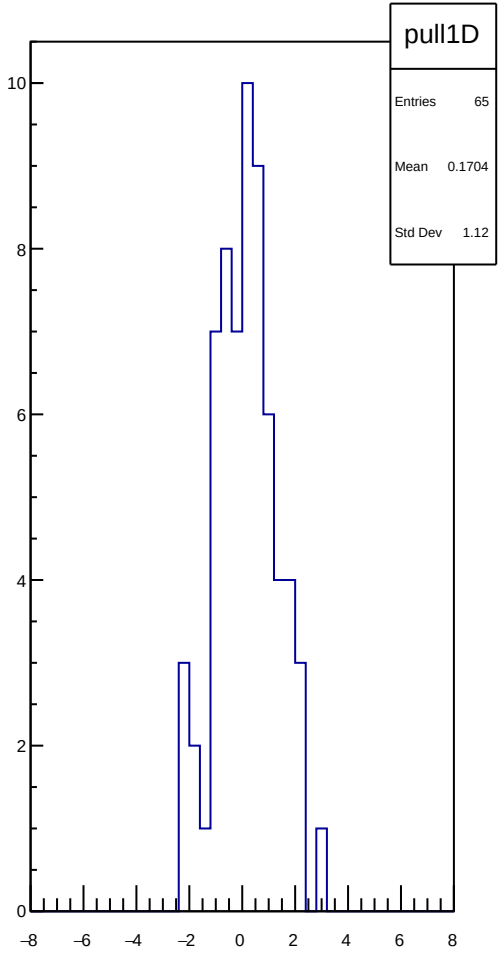

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.199e+04 / 64
p0 1890 ± 1.655
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

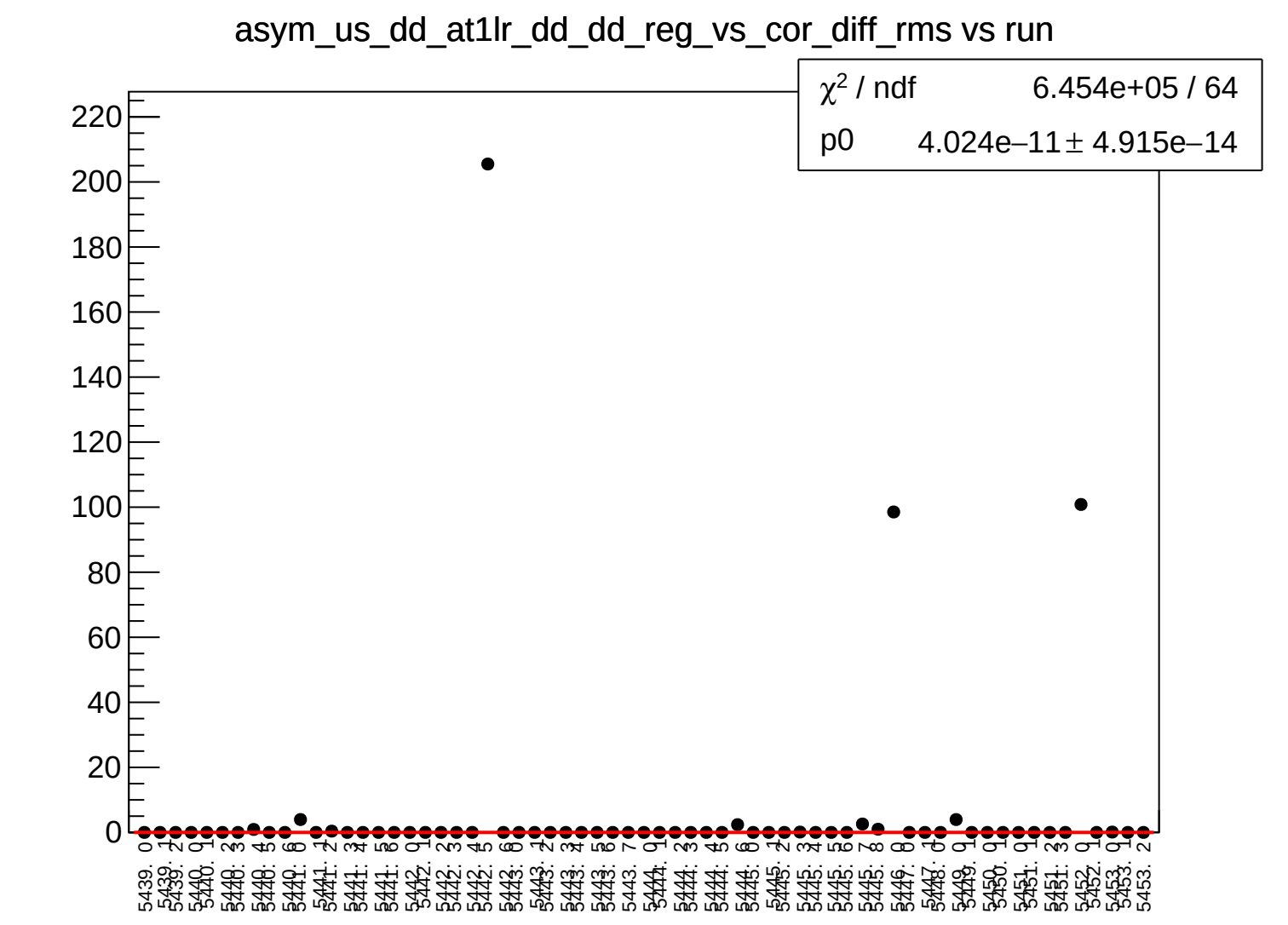

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 77.86 / 64
p0 1.312e+04 ± 7464
pull
Entries 65
Mean 95.03
Std Dev 0

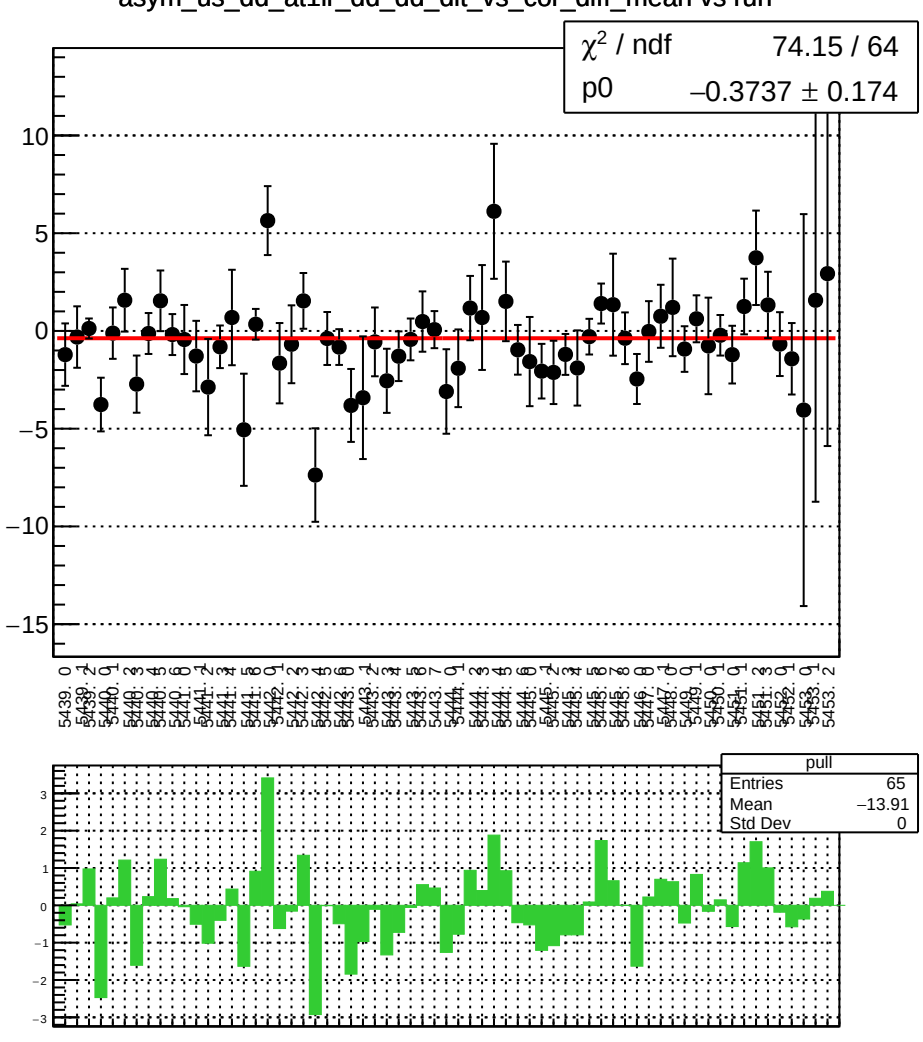

pull1D
Entries 65
Mean −0.02551
Std Dev 1.094

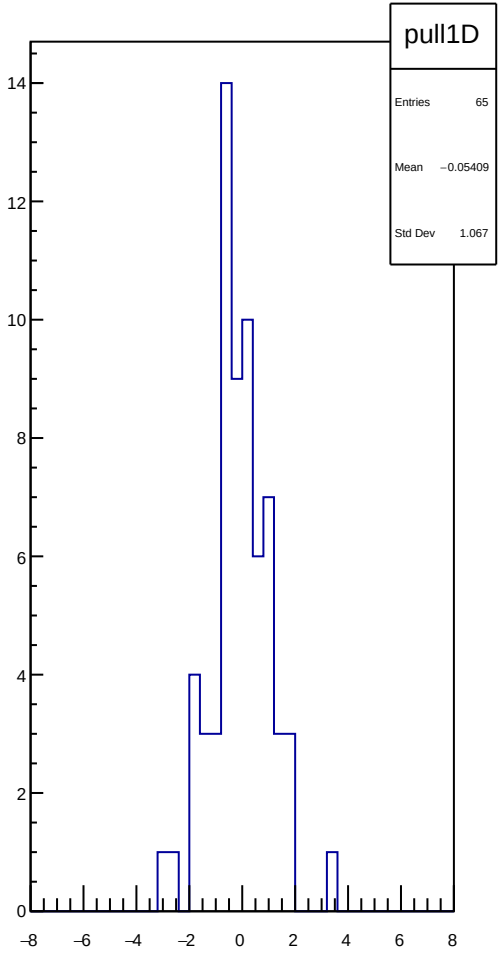

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 3485 / 64
p0 6046 ± 5.278
8000
7500
7000
6500
6000

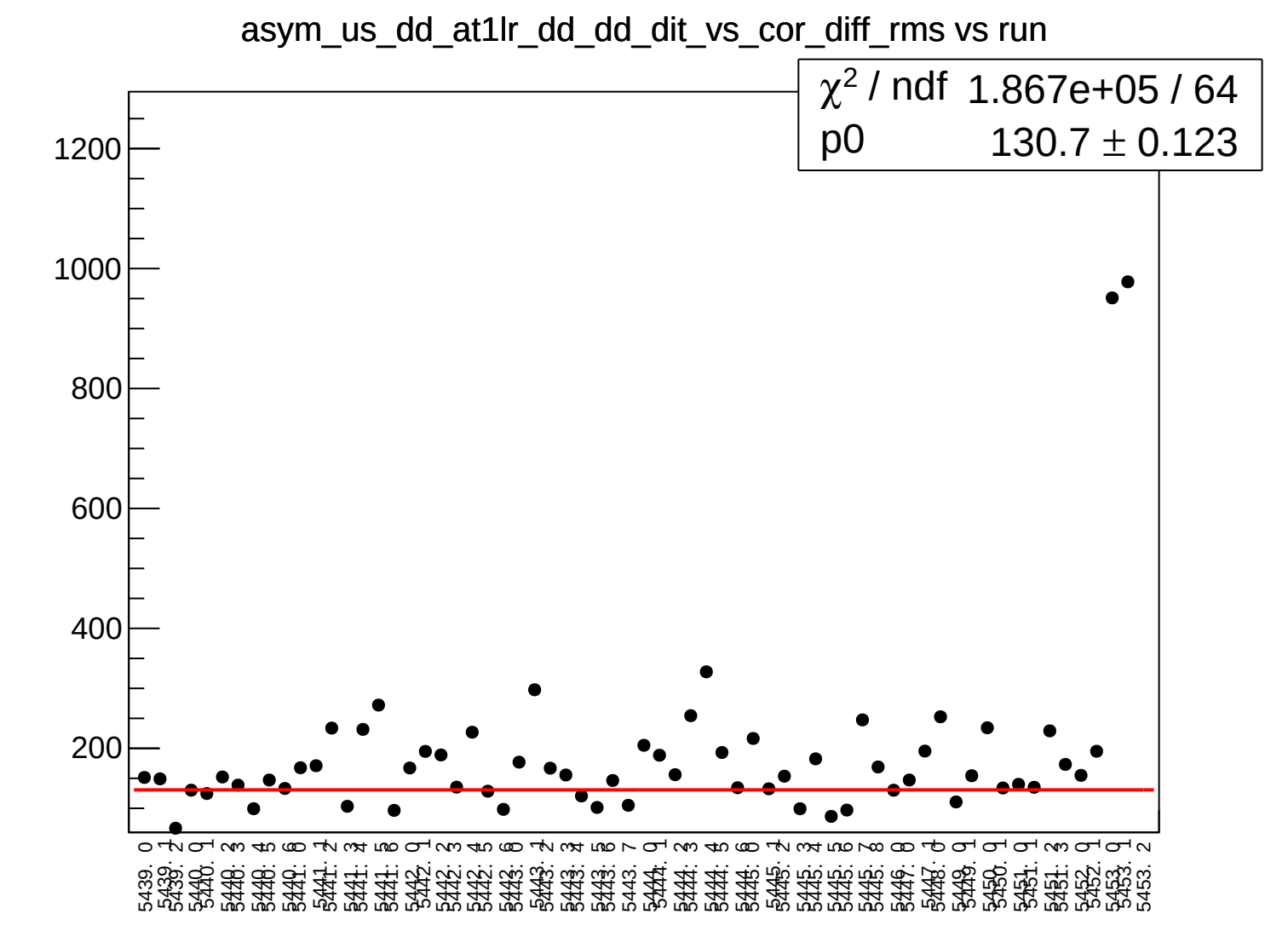

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 83.4 / 64
p0 1.983e−14 ± 6.951e−14
pull
Entries 65
Mean 51.93
Std Dev 12.55

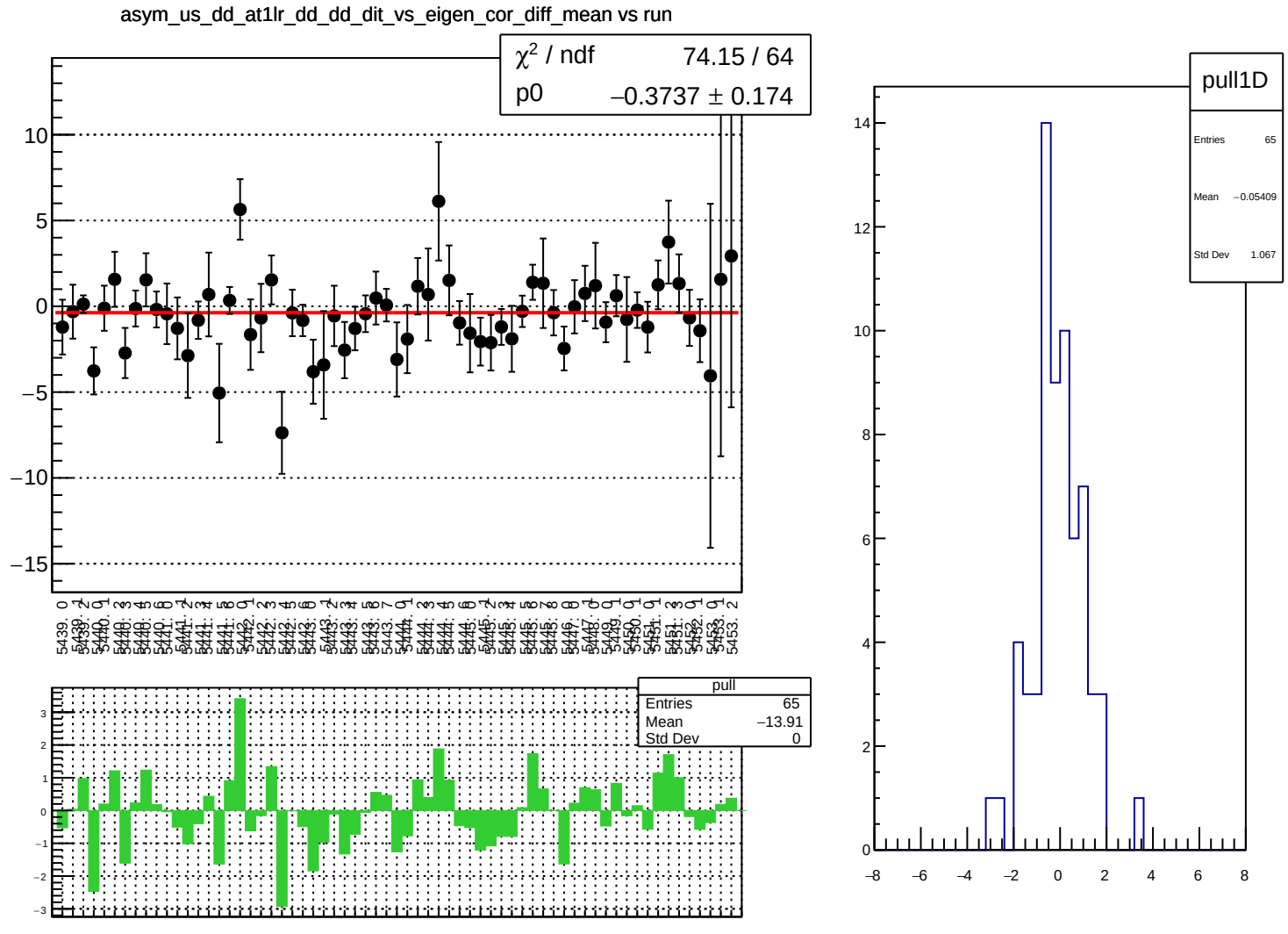

pull1D
Entries 65
Mean 0.1704
Std Dev 1.12

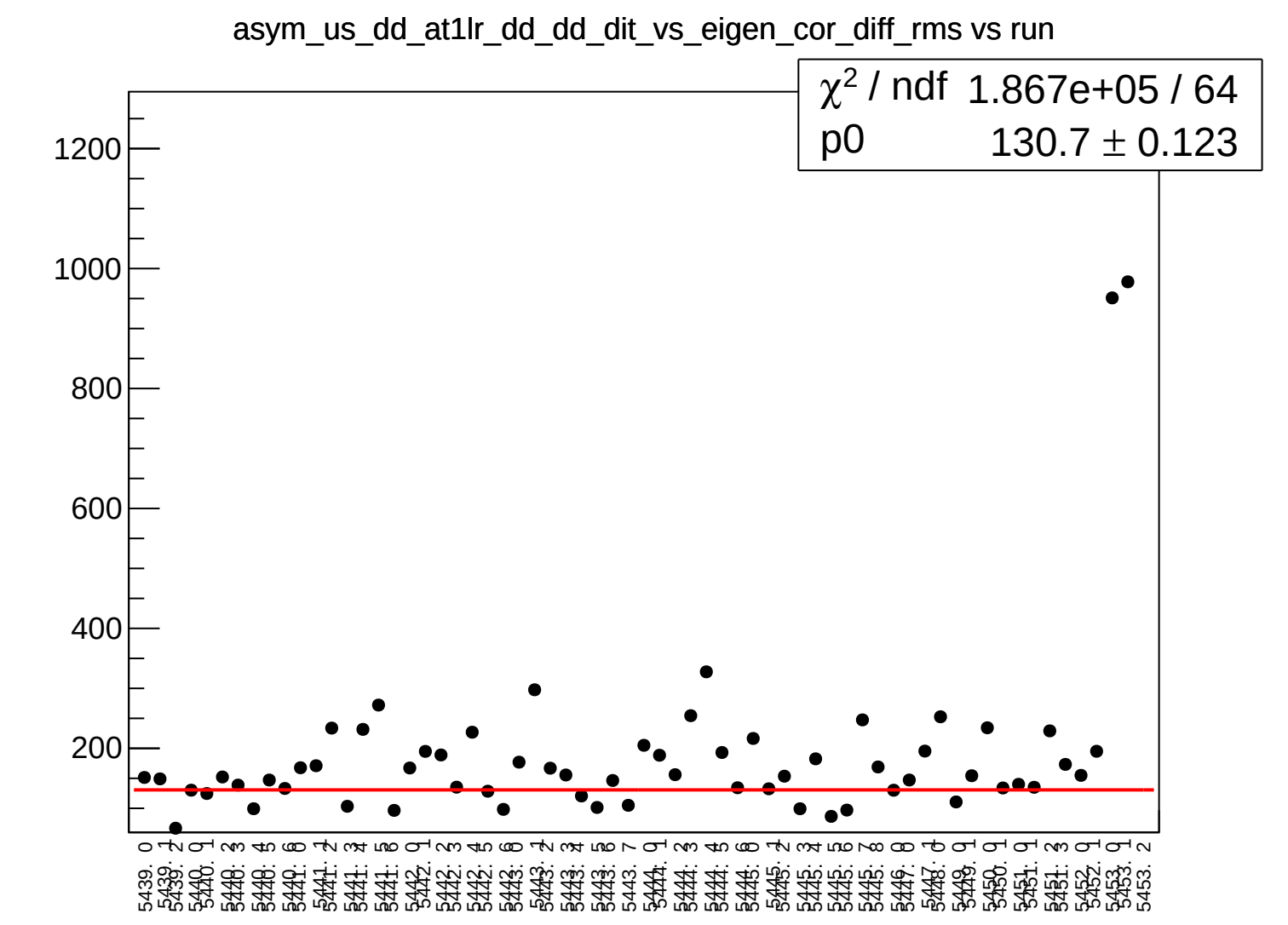

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.454e+05 / 64
p0 4.024e−11 ± 4.915e−14
220
200
180
160
140
120
100
80
60
40
20
0

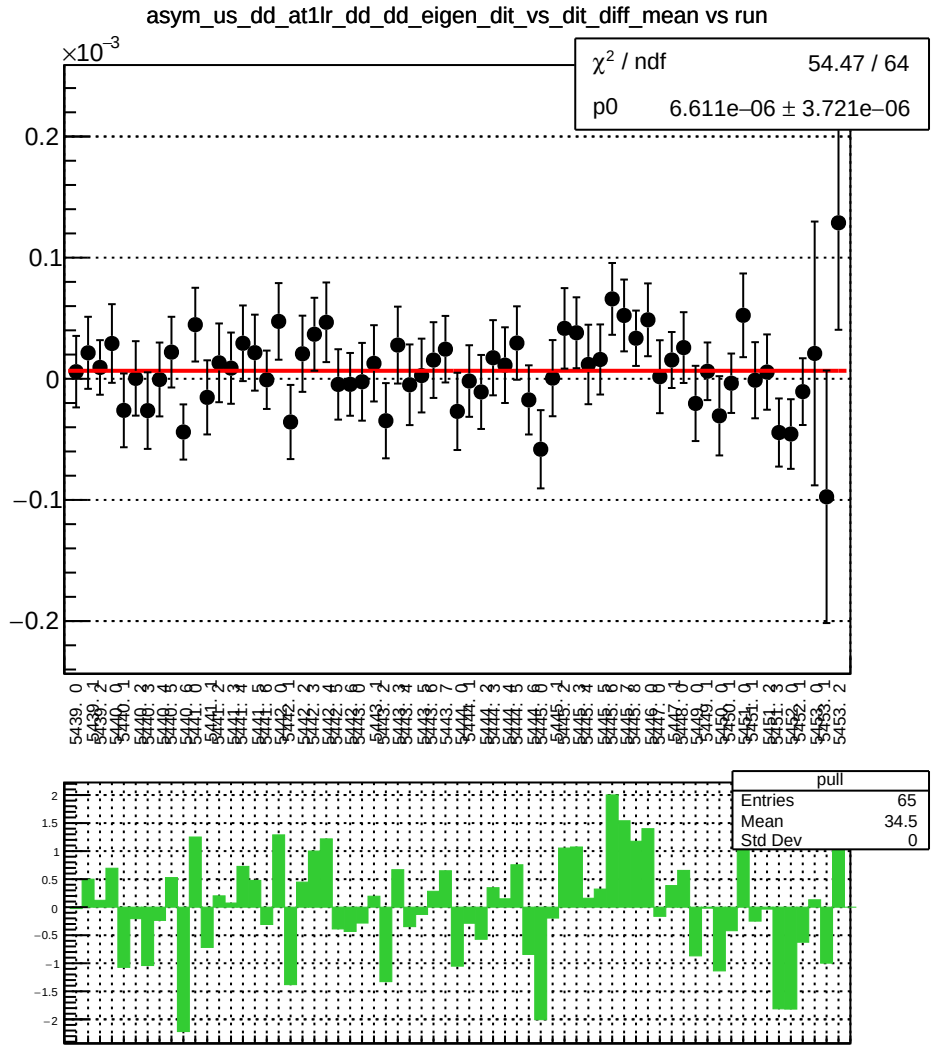

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.15 / 64
p0 −0.3737 ± 0.174
pull
Entries 65
Mean −13.91
Std Dev 0

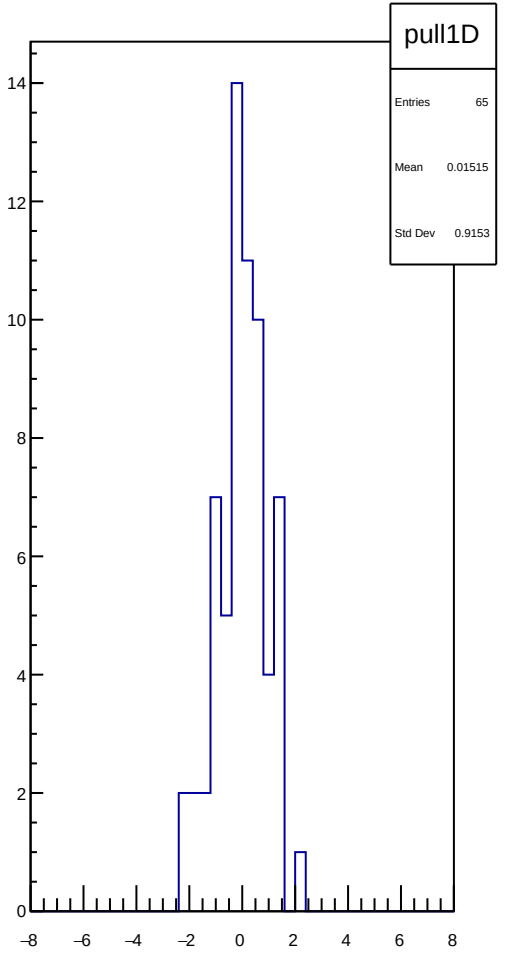

pull1D
Entries 65
Mean −0.05409
Std Dev 1.067

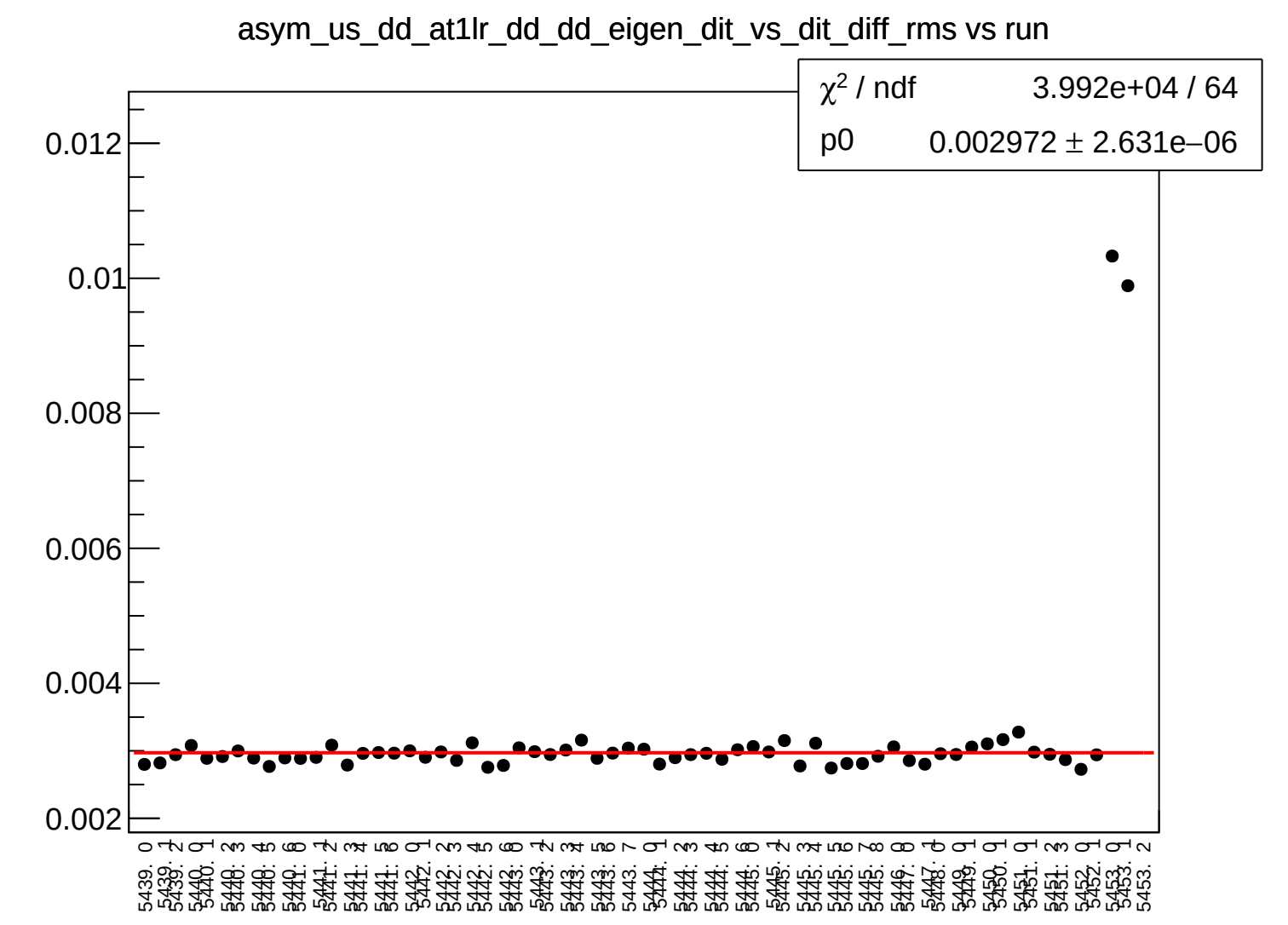

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.867e+05 / 64
p0 130.7 ± 0.123
1200
1000
800
600
400
200

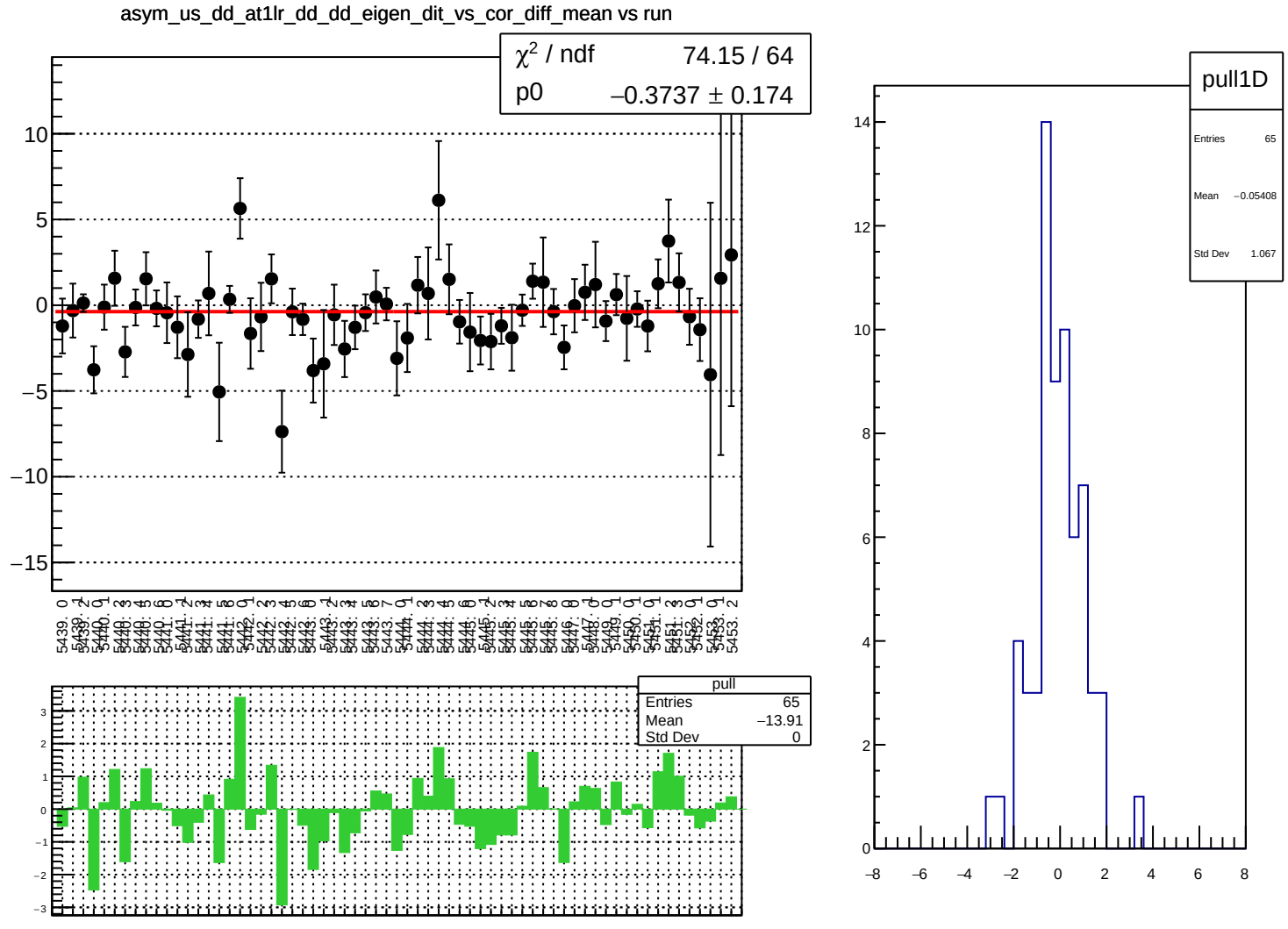

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.15 / 64
p0 −0.3737 ± 0.174
pull
Entries 65
Mean −13.91
Std Dev 0
pull1D
Entries 65
Mean −0.05409
Std Dev 1.067

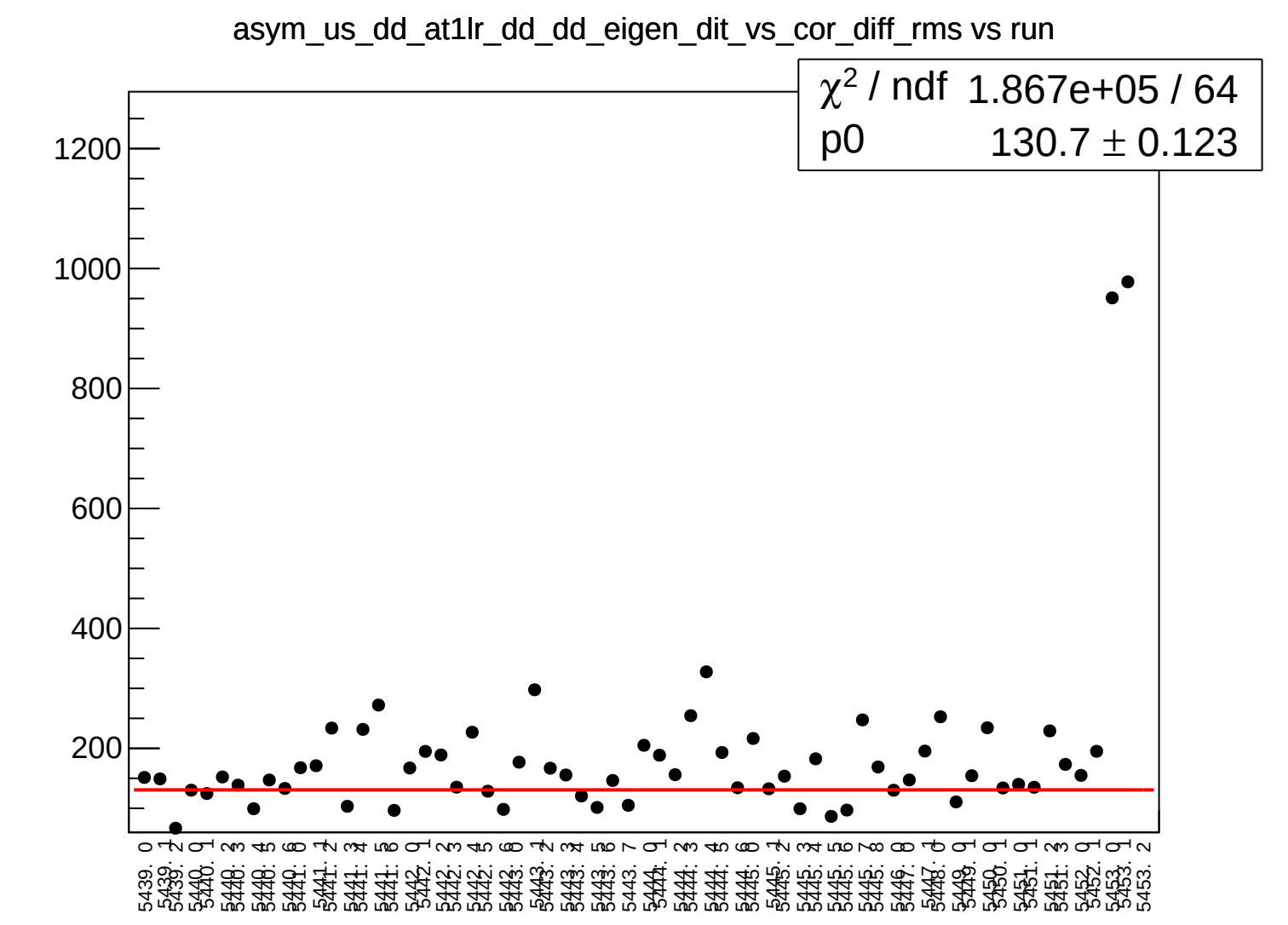

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.867e+05 / 64
p0 130.7 ± 0.123
1200
1000
800
600
400
200

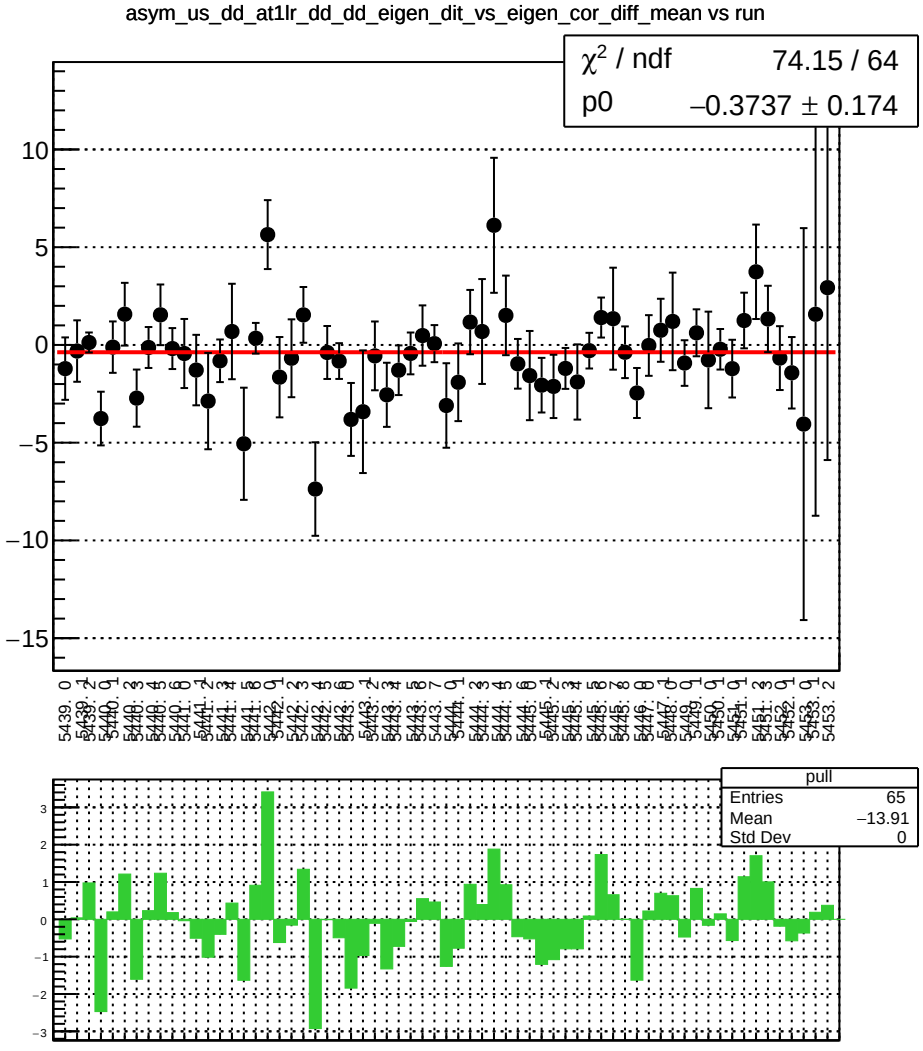

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.47 / 64
p0 6.611e−06 ± 3.721e−06
pull
Entries 65
Mean 34.5
Std Dev 0

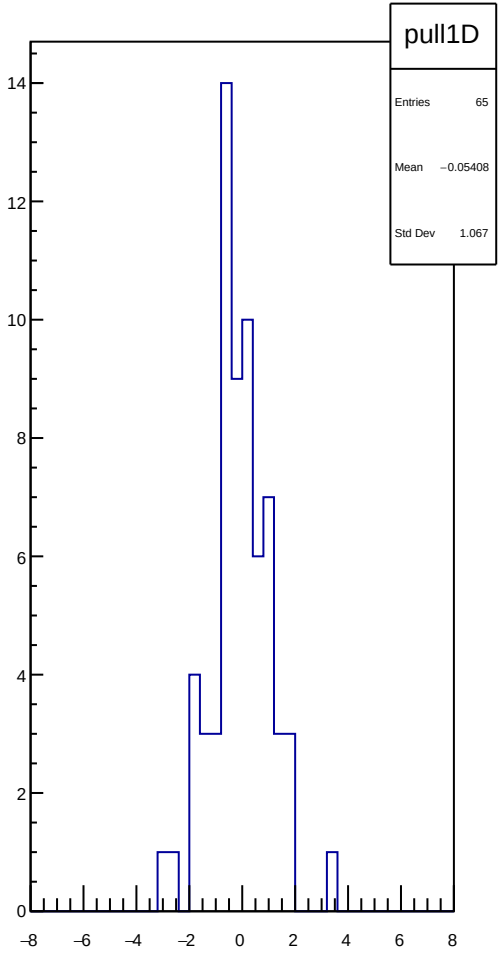

pull1D
Entries 65
Mean 0.01515
Std Dev 0.9153

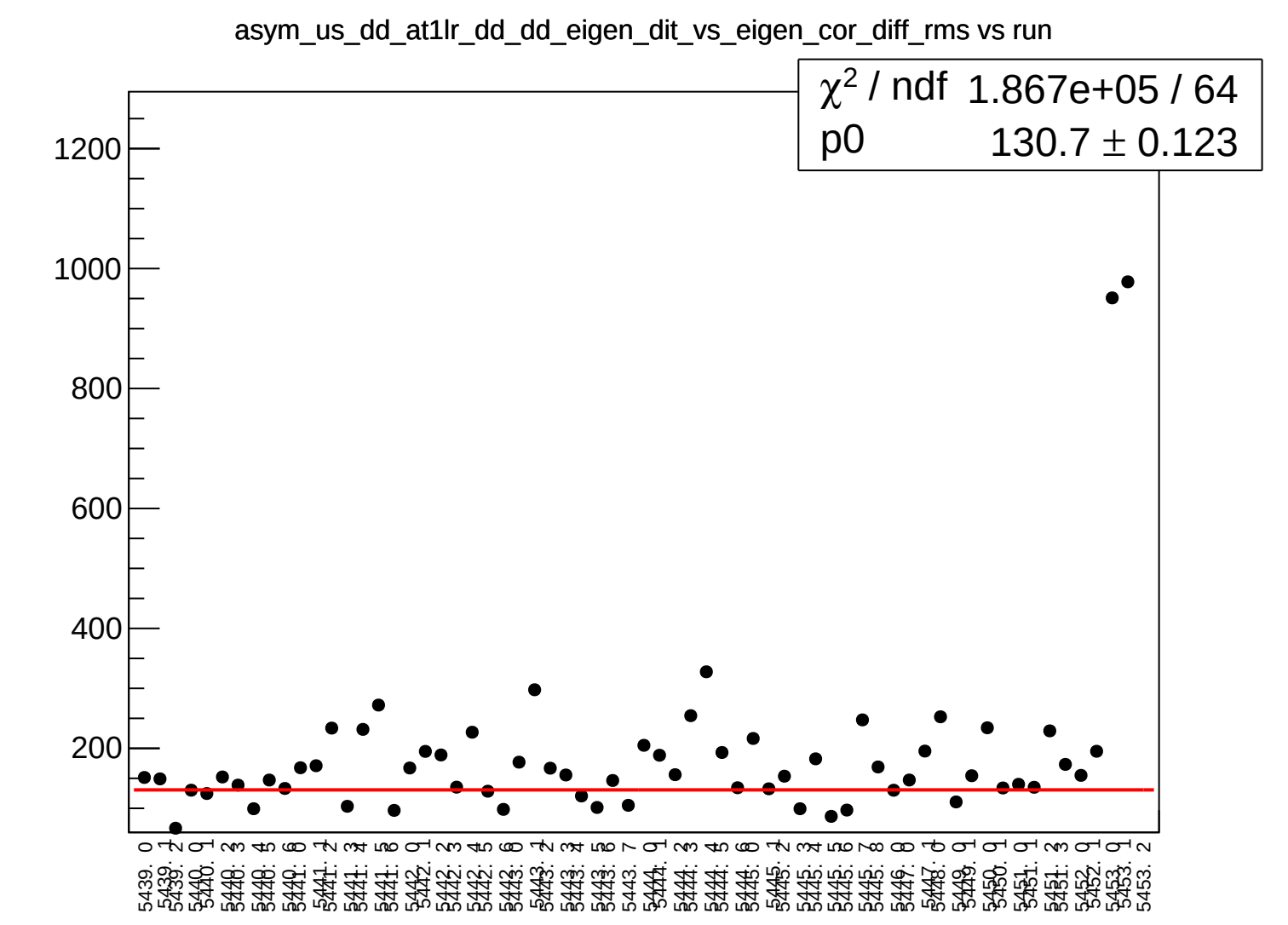

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.992e+04 / 64
p0 0.002972 ± 2.631e−06
0.012
0.01
0.008
0.006
0.004
0.002

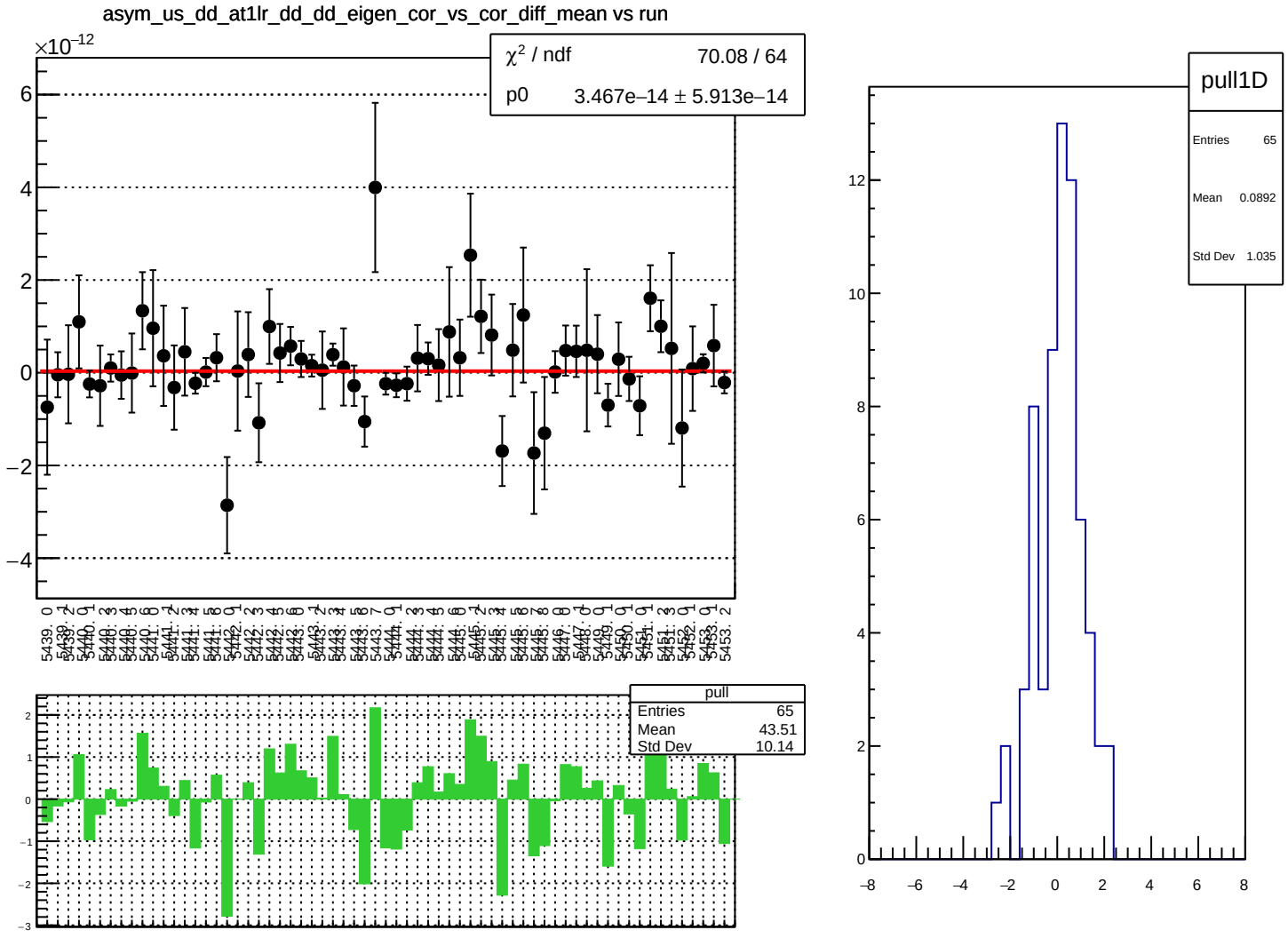

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.15 / 64
p0 −0.3737 ± 0.174
pull
Entries 65
Mean −13.91
Std Dev 0
pull1D
Entries 65
Mean −0.05408
Std Dev 1.067

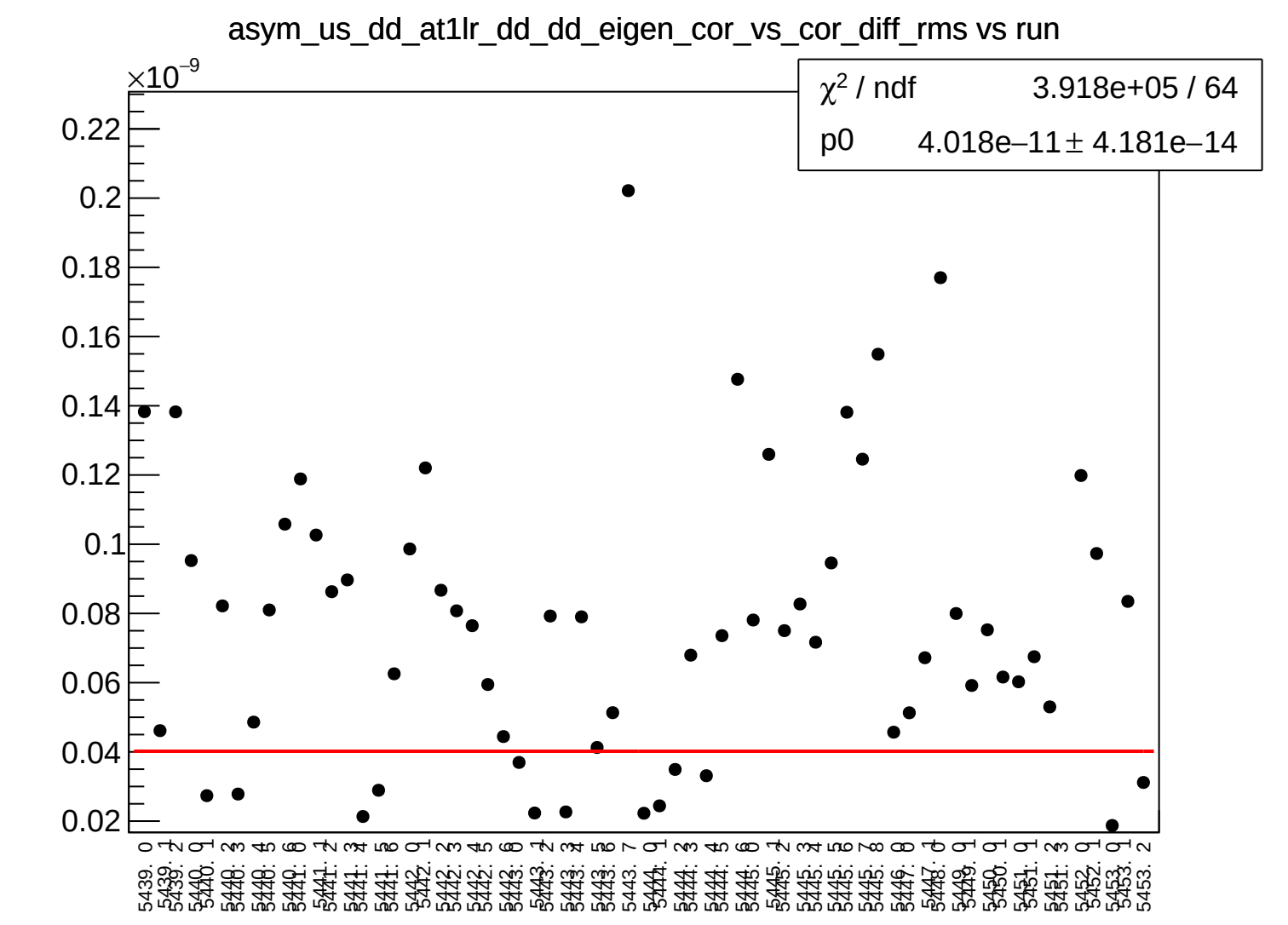

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.867e+05 / 64
p0 130.7 ± 0.123
1200
1000
800
600
400
200

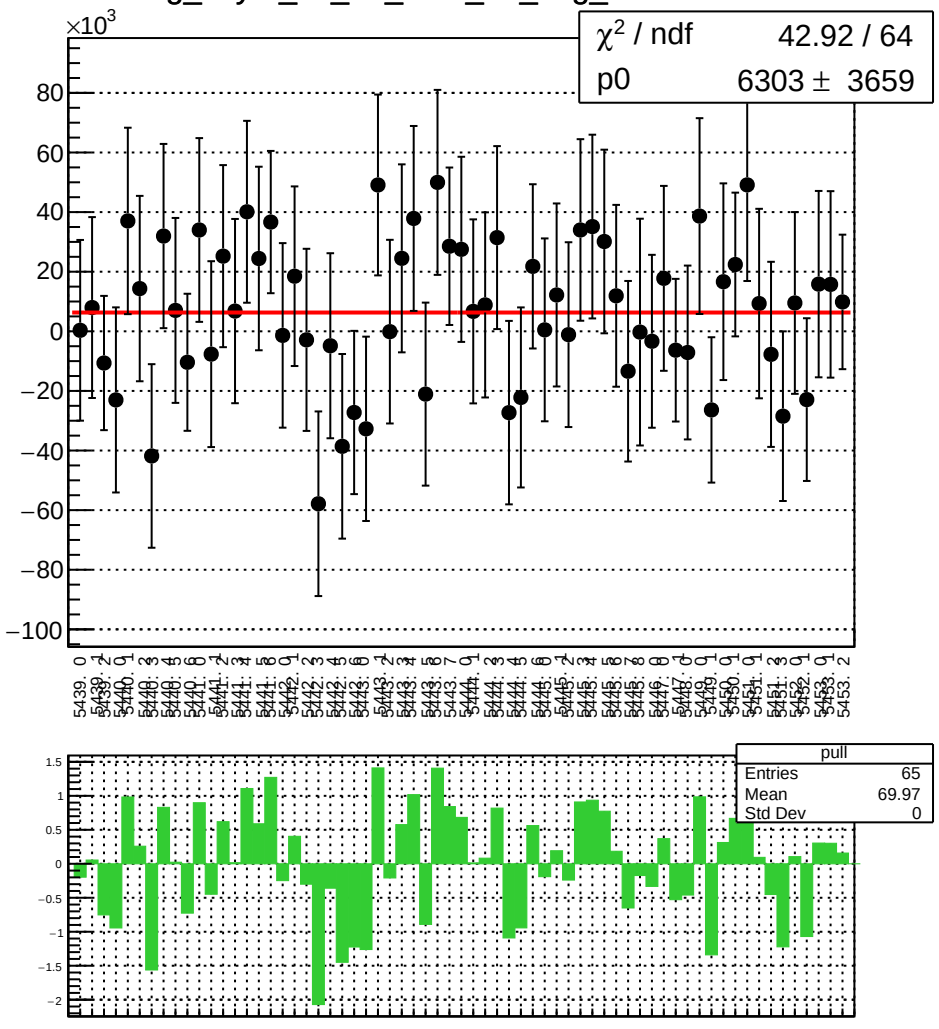

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.15 / 64
p0 −0.3737 ± 0.174
pull
Entries 65
Mean −13.91
Std Dev 0

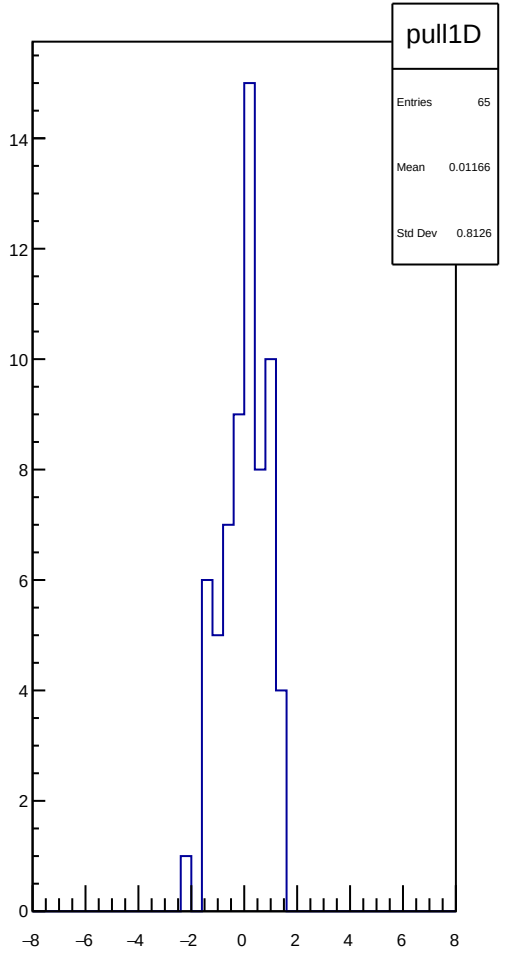

pull1D
Entries 65
Mean −0.05408
Std Dev 1.067

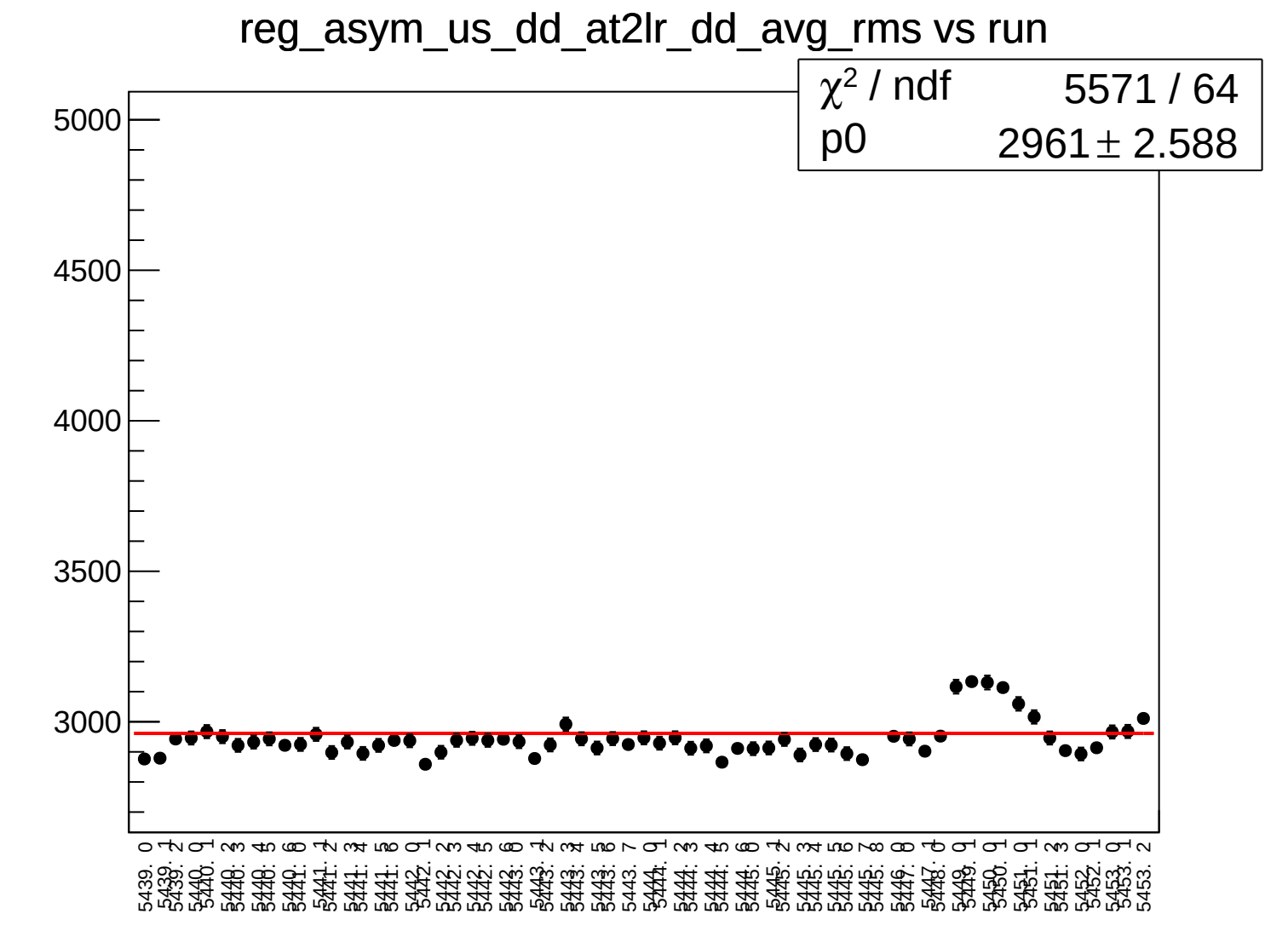

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.867e+05 / 64
p0 130.7 ± 0.123
1200
1000
800
600
400
200

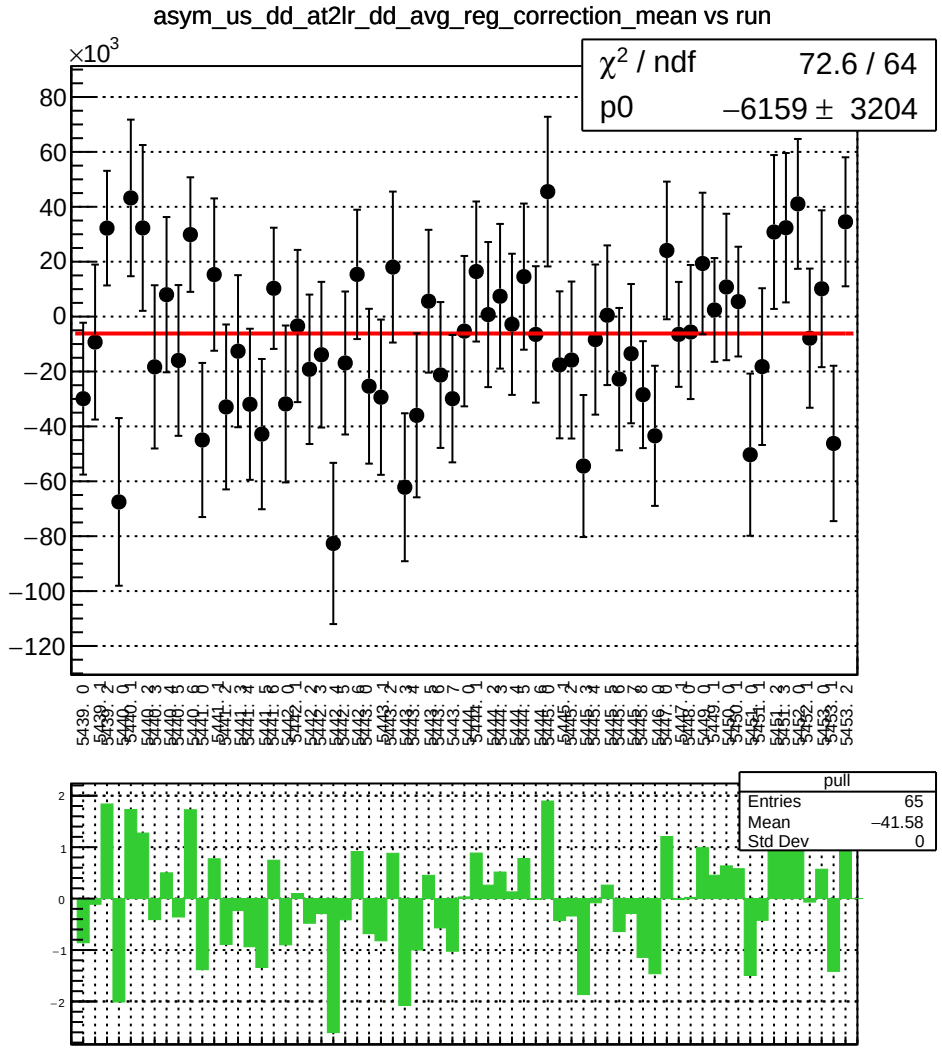

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.08 / 64
p0 3.467e−14 ± 5.913e−14
pull
Entries 65
Mean 43.51
Std Dev 10.14
pull1D
Entries 65
Mean 0.0892
Std Dev 1.035

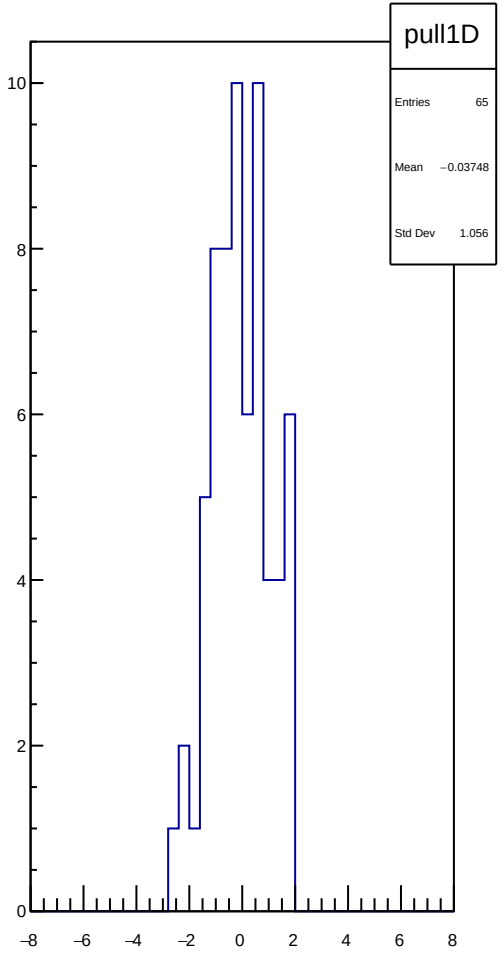

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.918e+05 / 64
p0 4.018e−11 ± 4.181e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

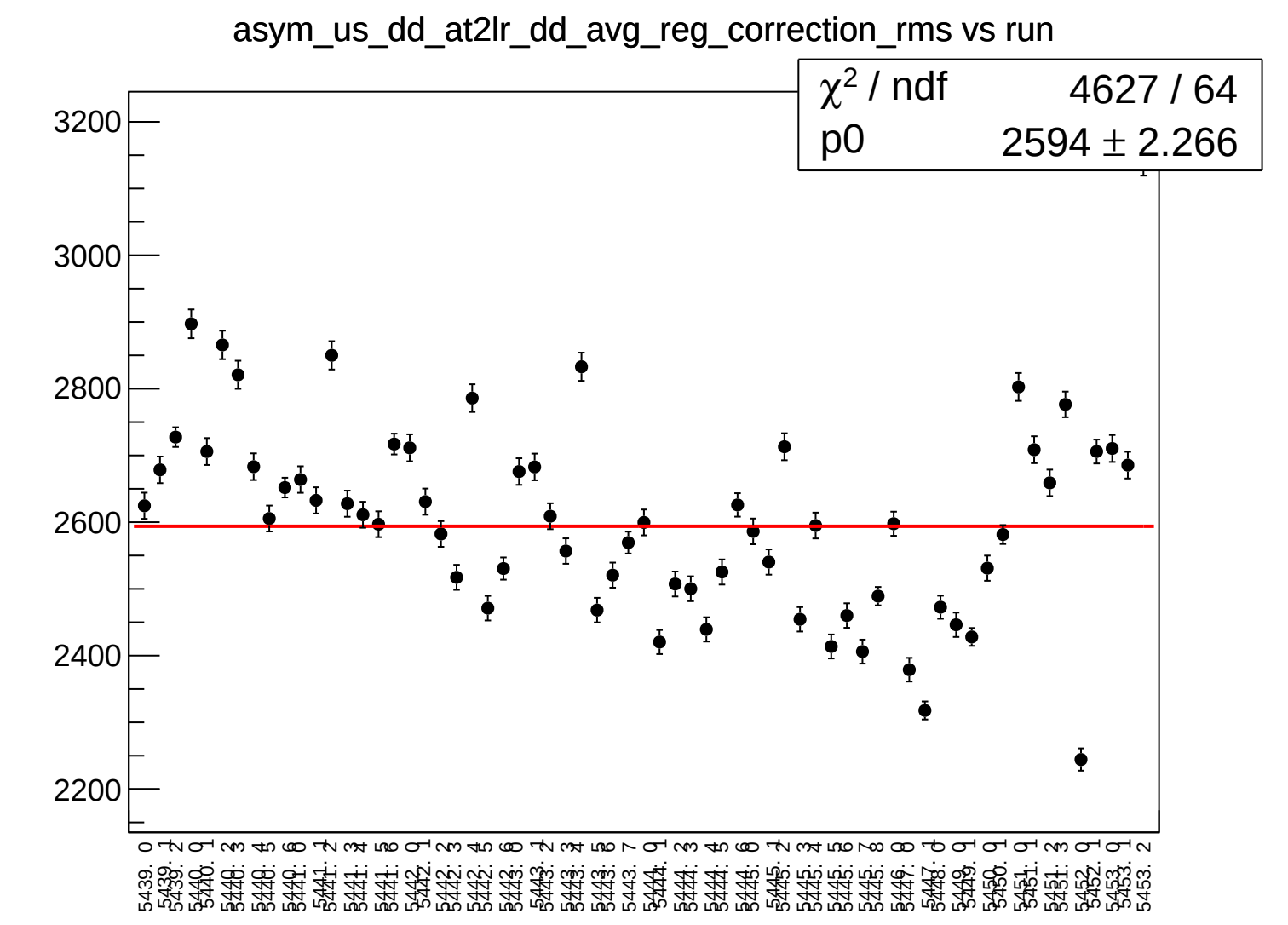

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 42.92 / 64
p0 6303 ± 3659
pull
Entries 65
Mean 69.97
Std Dev 0

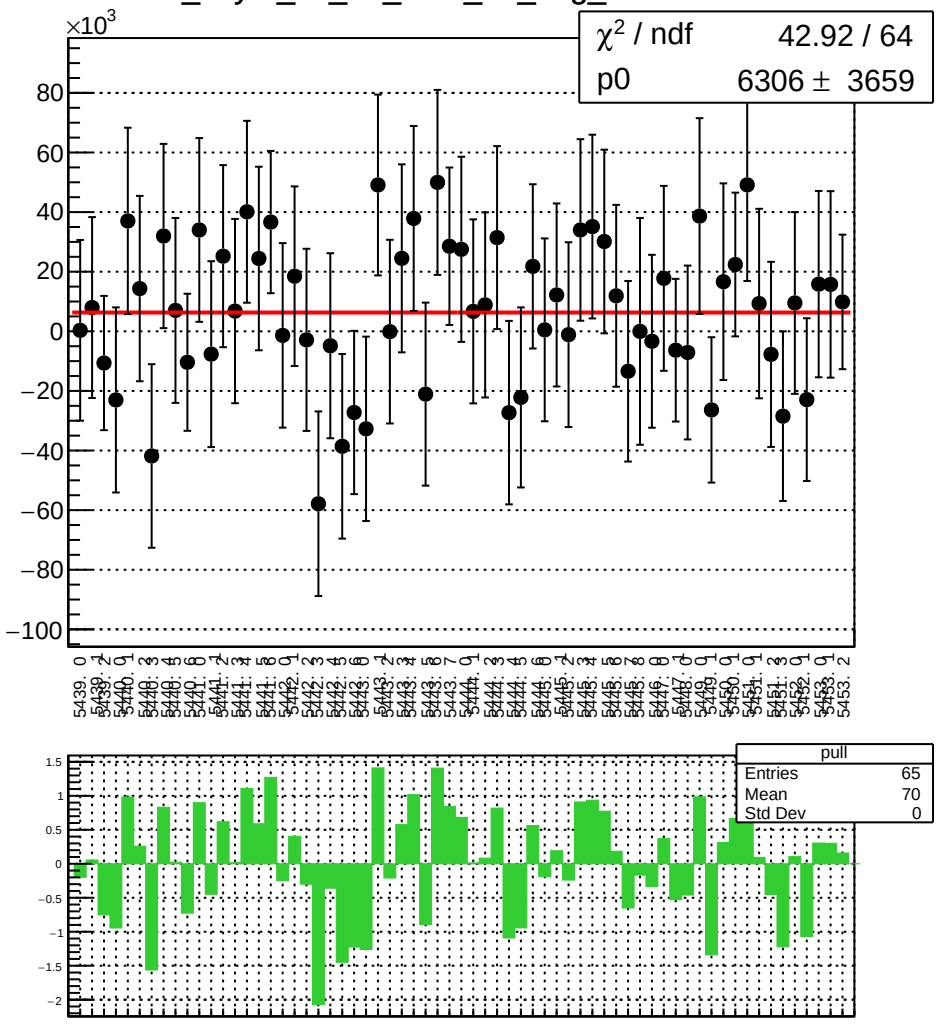

pull1D
Entries 65
Mean 0.01166
Std Dev 0.8126

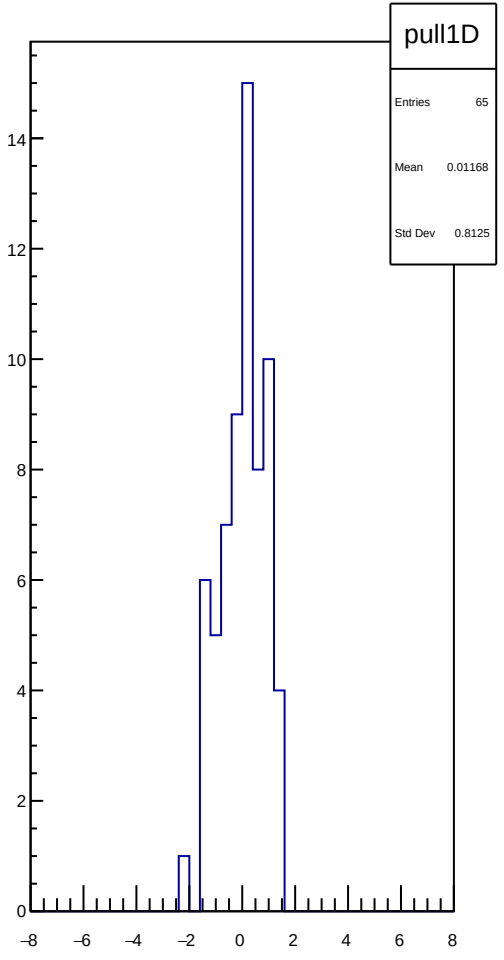

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 5571 / 64
p0 2961 ± 2.588
5000
4500
4000
3500
3000

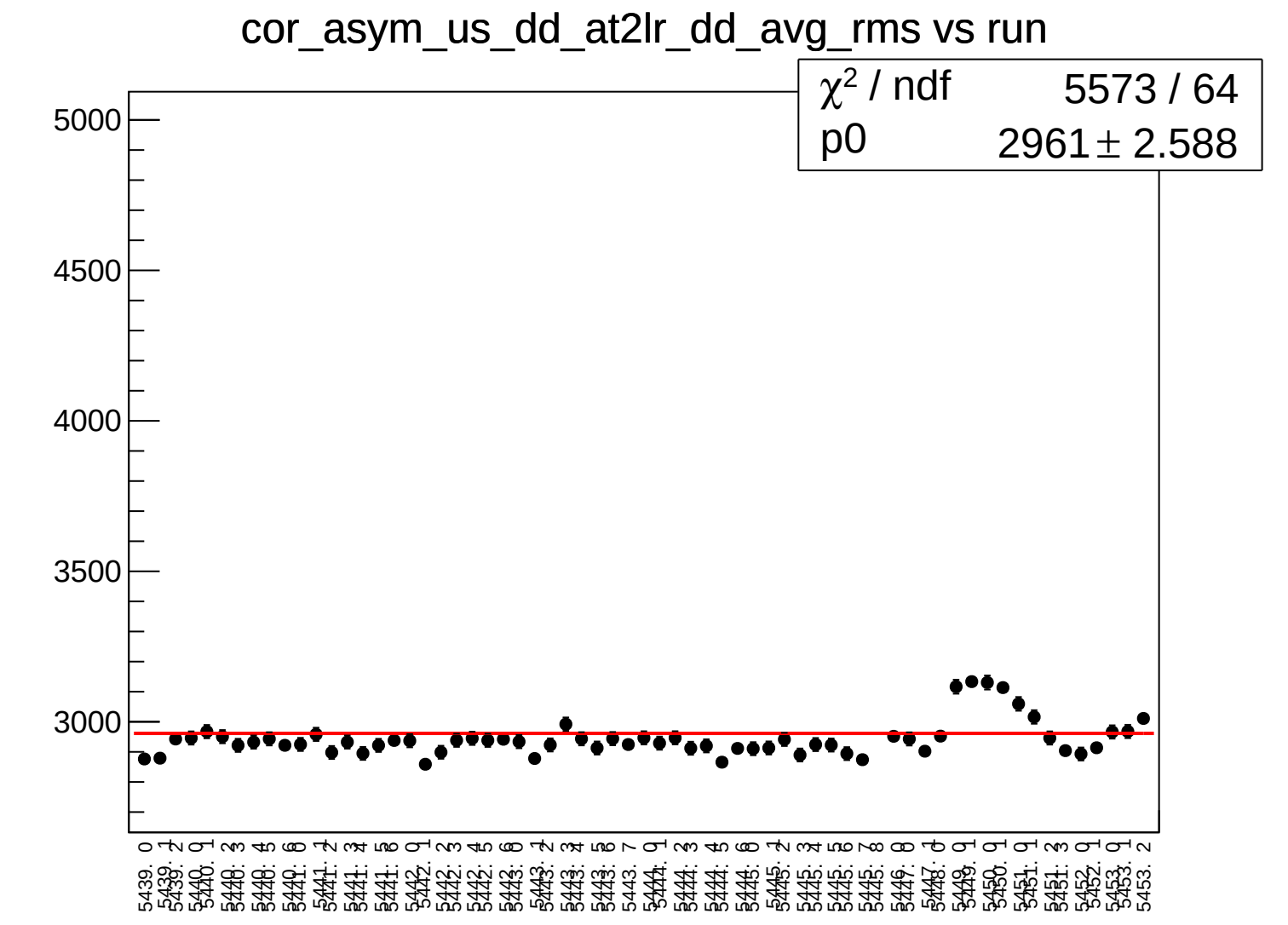

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 72.6 / 64
p0 −6159 ± 3204
pull
Entries 65
Mean −41.58
Std Dev 0

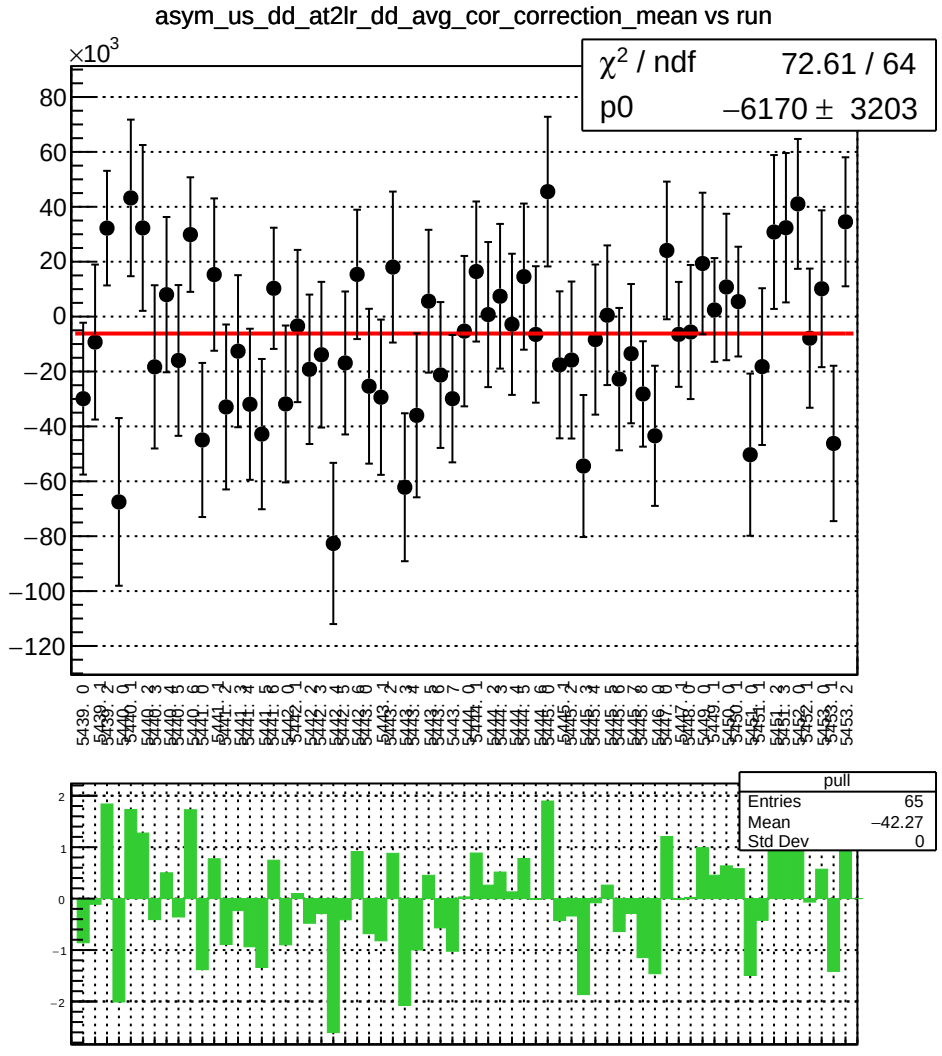

pull1D
Entries 65
Mean −0.03748
Std Dev 1.056

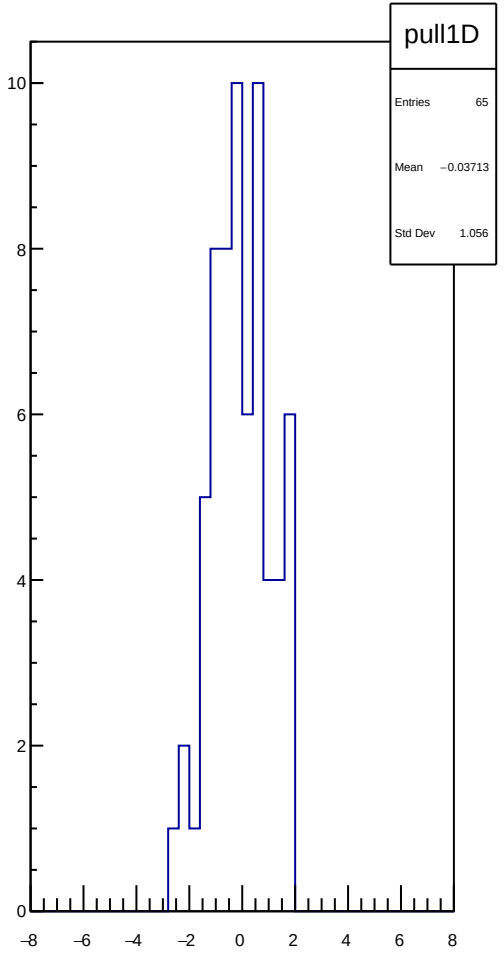

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 4627 / 64
p0 2594 ± 2.266
3200
3000
2800
2600
2400
2200

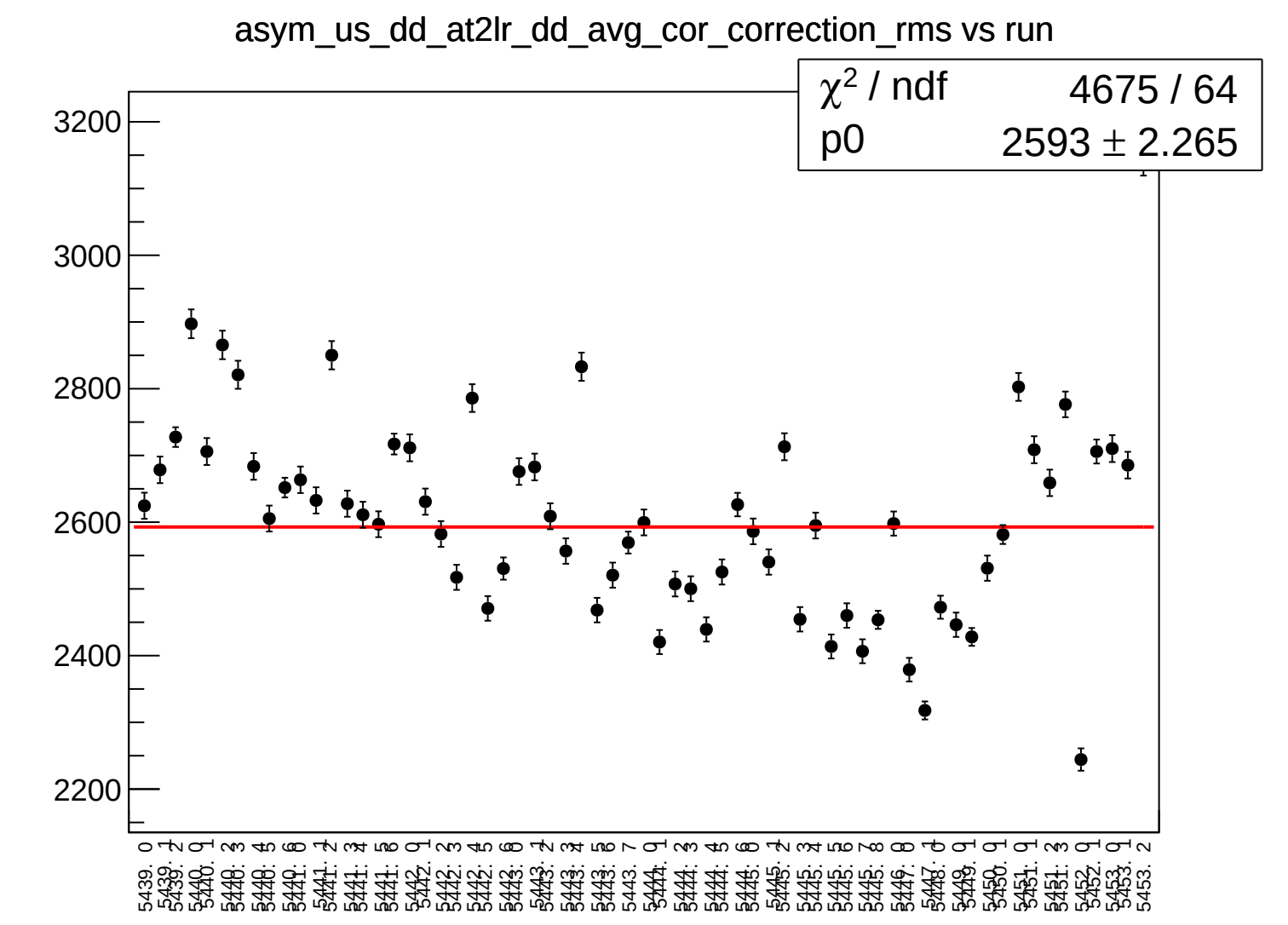

cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 42.92 / 64
p0 6306 ± 3659
pull
Entries 65
Mean 70
Std Dev 0

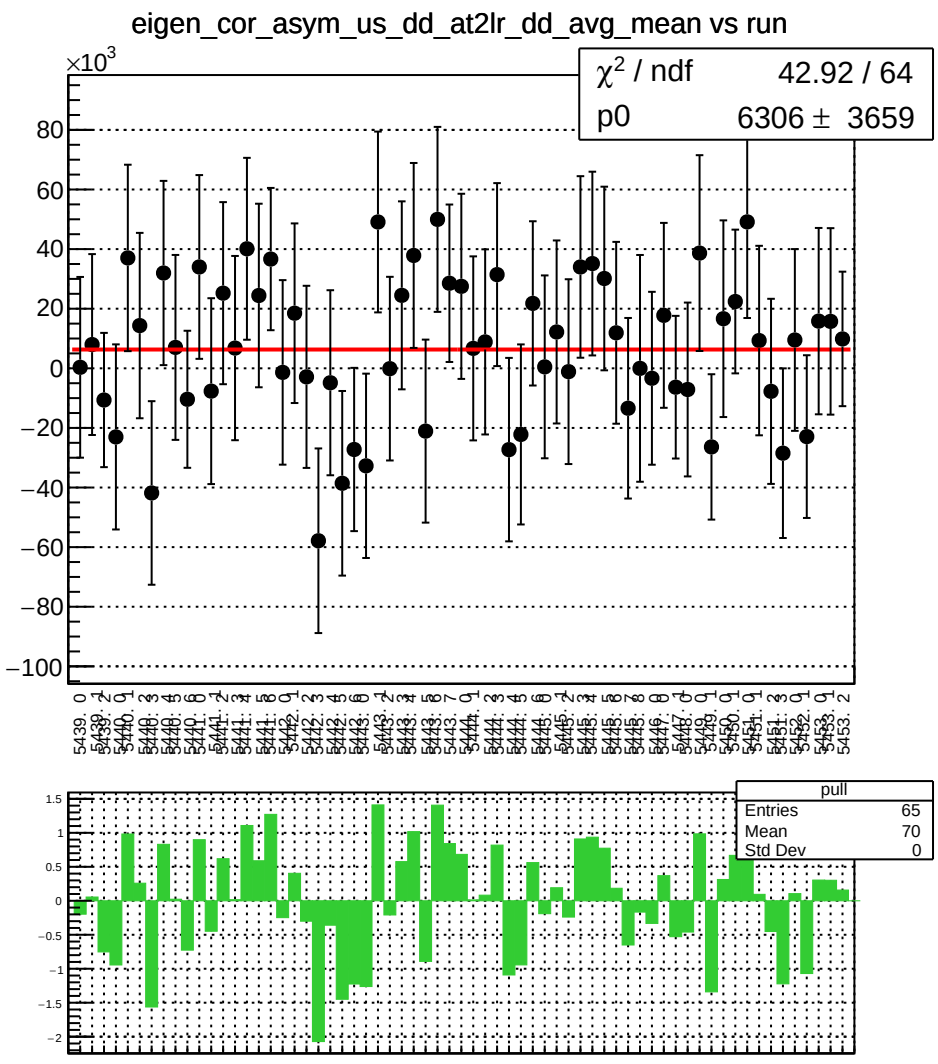

pull1D
Entries 65
Mean 0.01168
Std Dev 0.8125

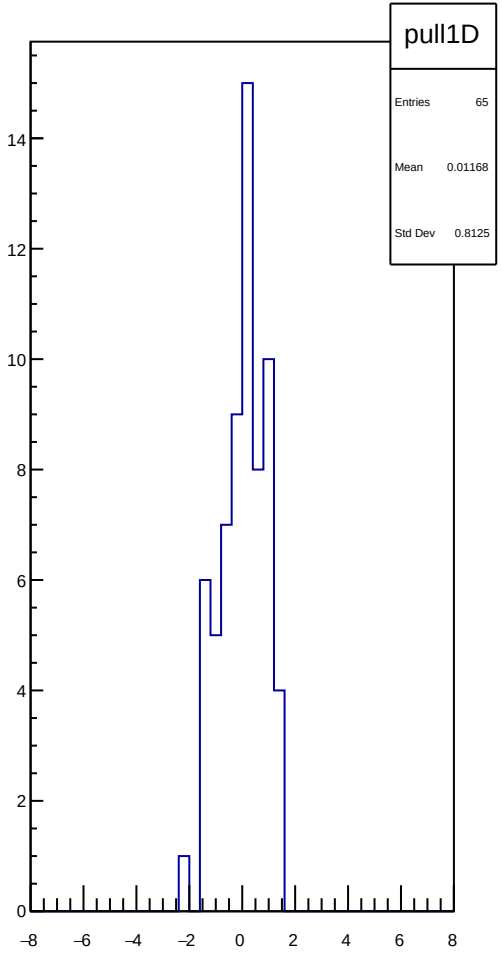

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 5573 / 64
p0 2961 ± 2.588
5000
4500
4000
3500
3000

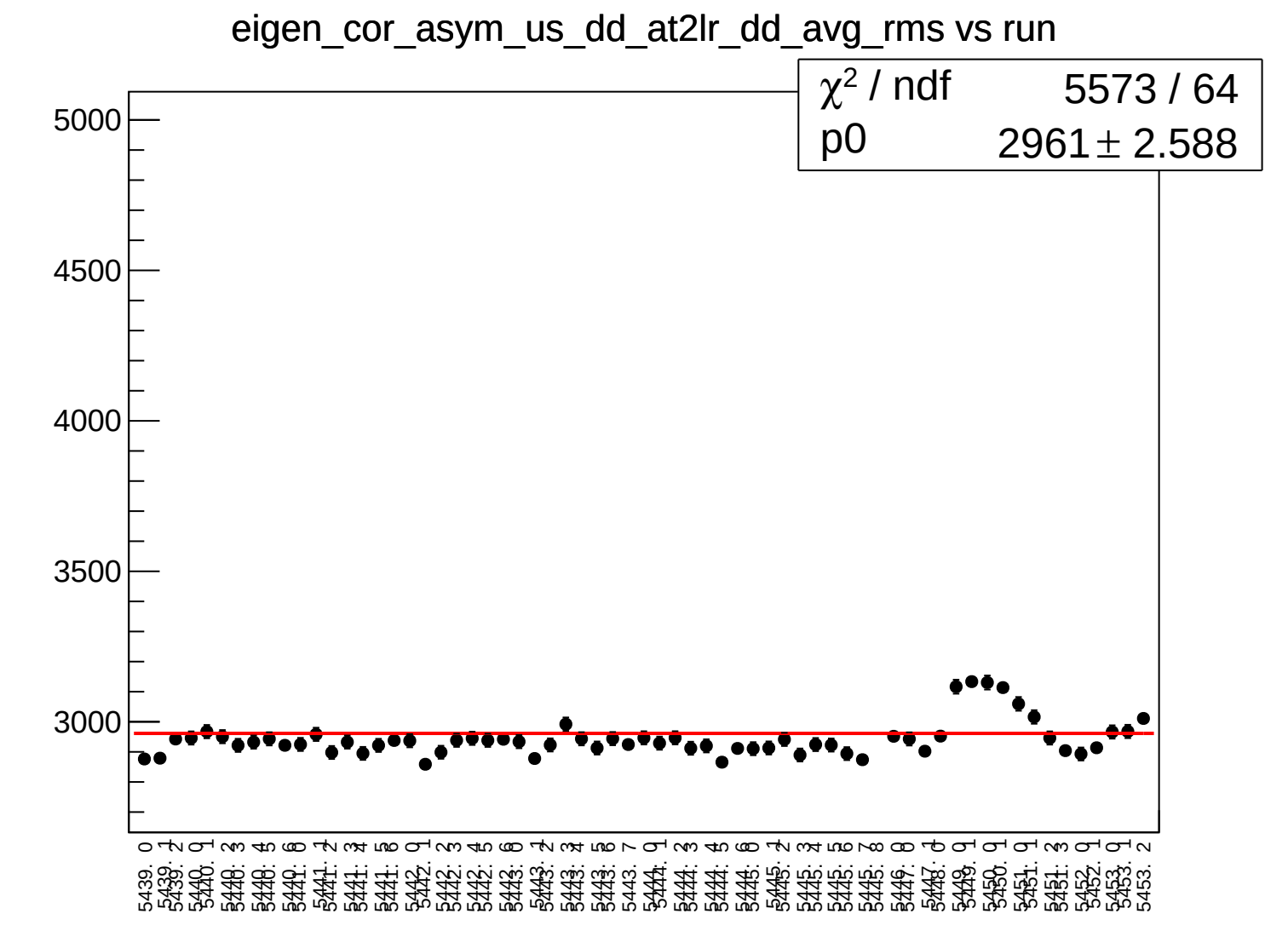

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 72.61 / 64
p0 −6170 ± 3203
pull
Entries 65
Mean −42.27
Std Dev 0

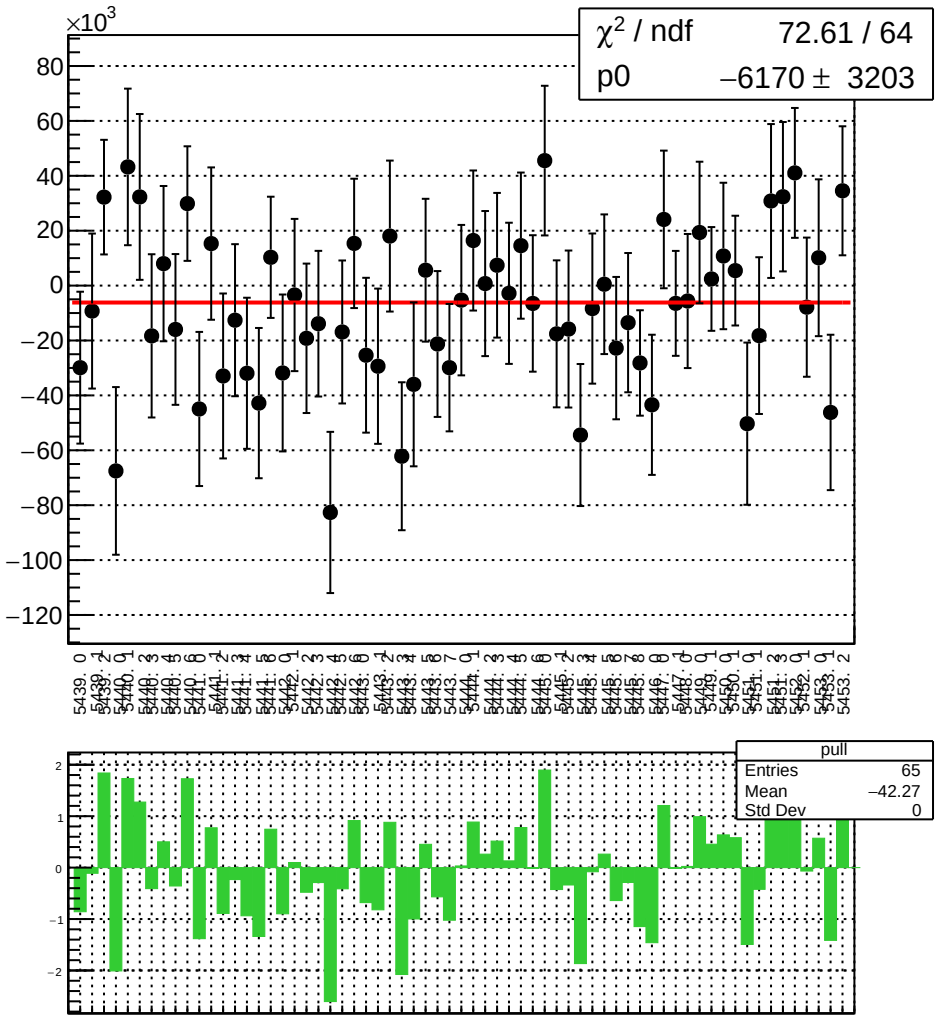

pull1D
Entries 65
Mean −0.03713
Std Dev 1.056

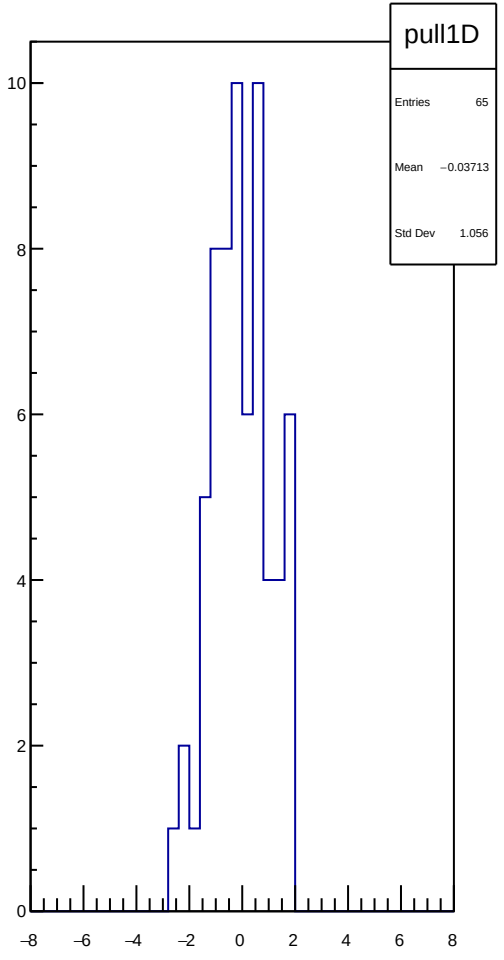

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 4675 / 64
p0 2593 ± 2.265
3200
3000
2800
2600
2400
2200

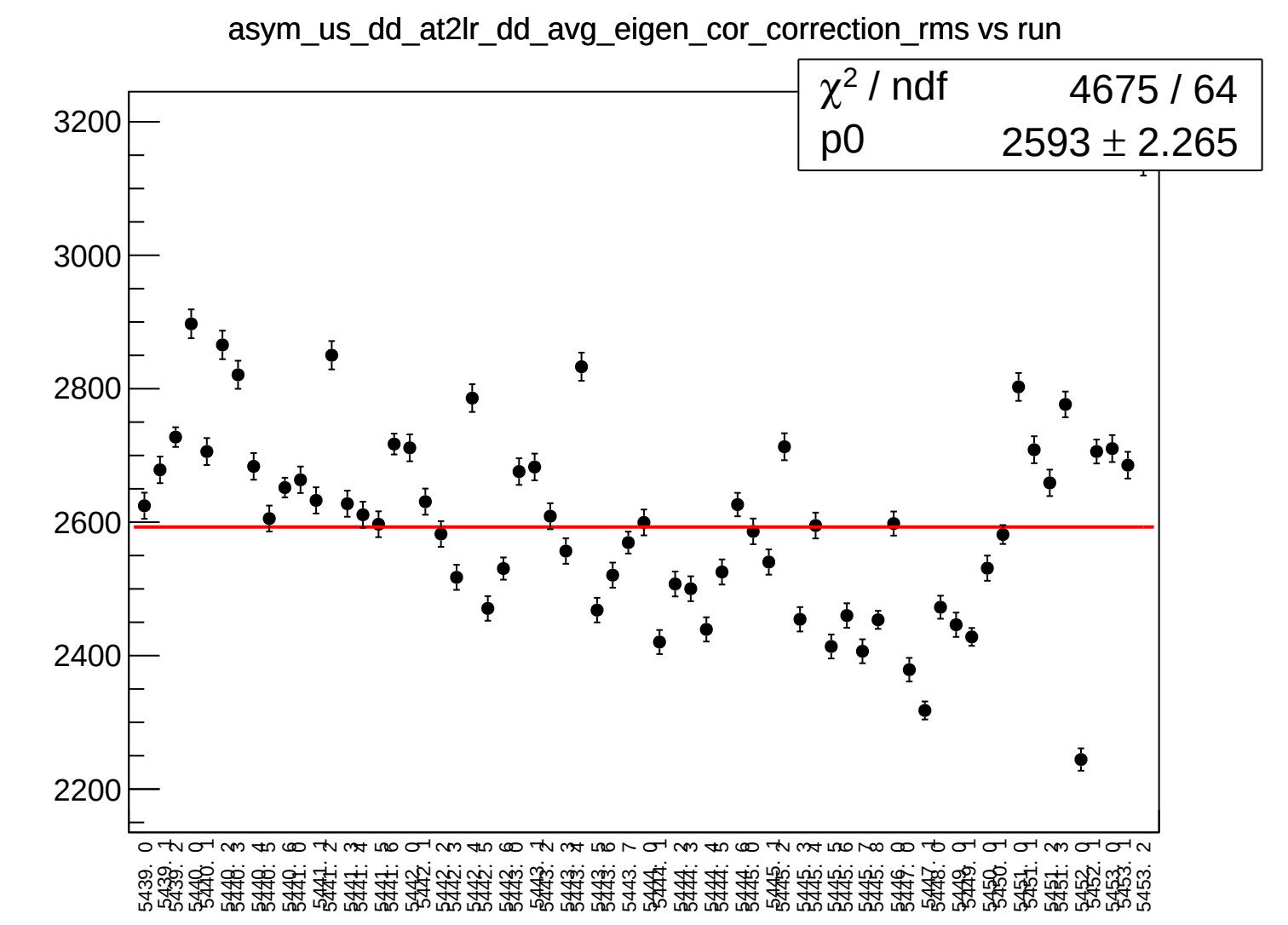

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 42.92 / 64
p0 6306 ± 3659
pull
Entries 65
Mean 70
Std Dev 0

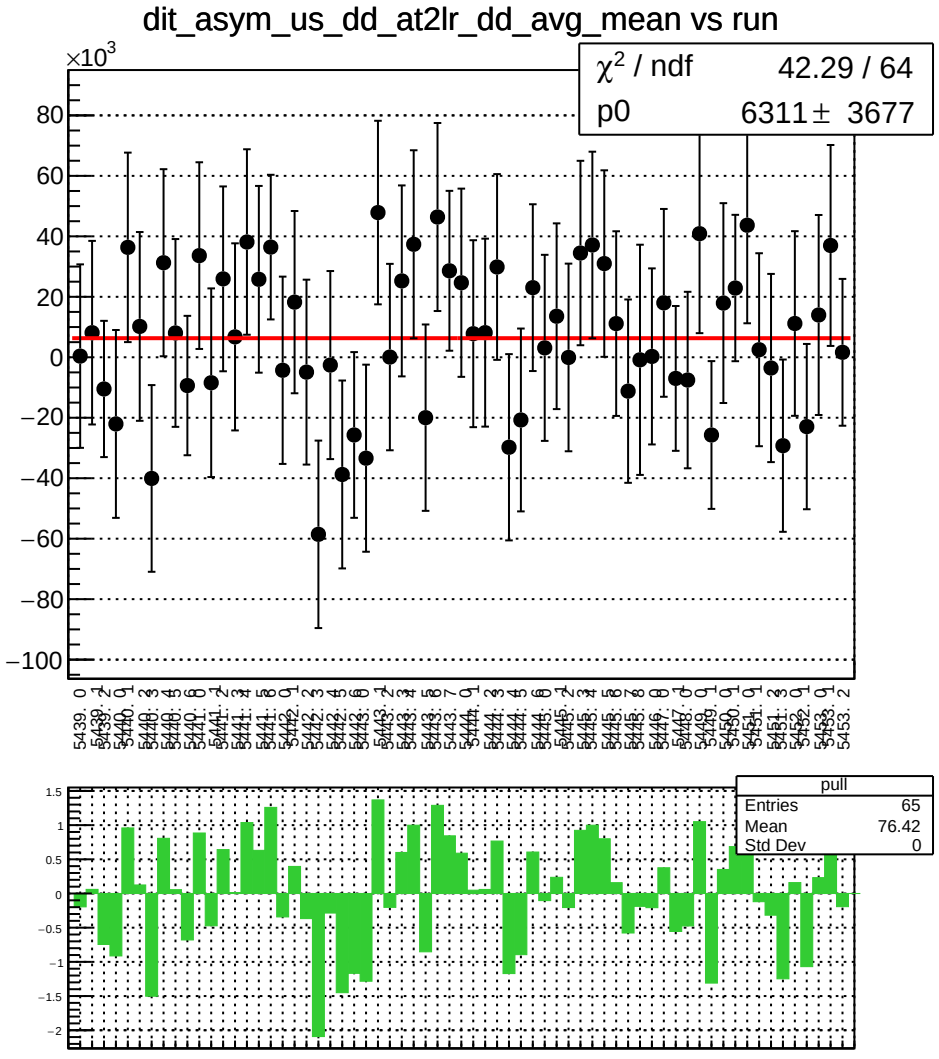

pull1D
Entries 65
Mean 0.01168
Std Dev 0.8125

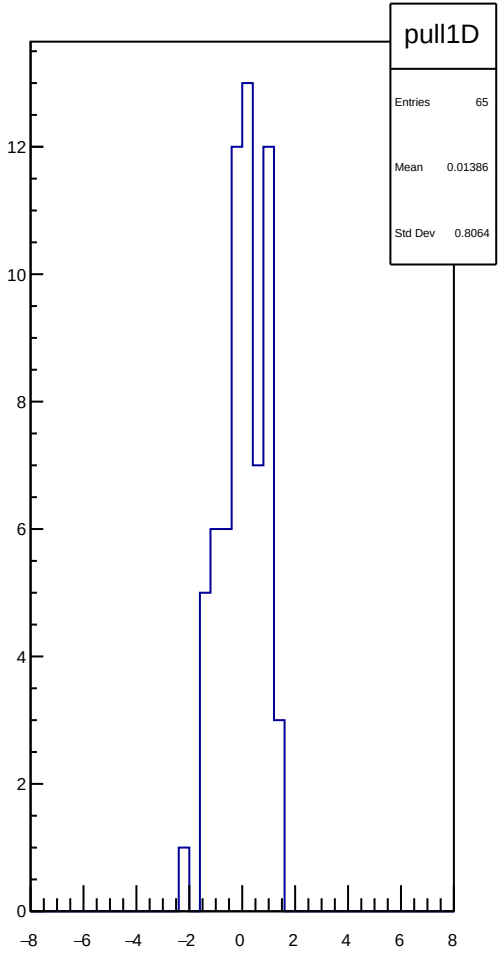

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 5573 / 64
p0 2961 ± 2.588
5000
4500
4000
3500
3000

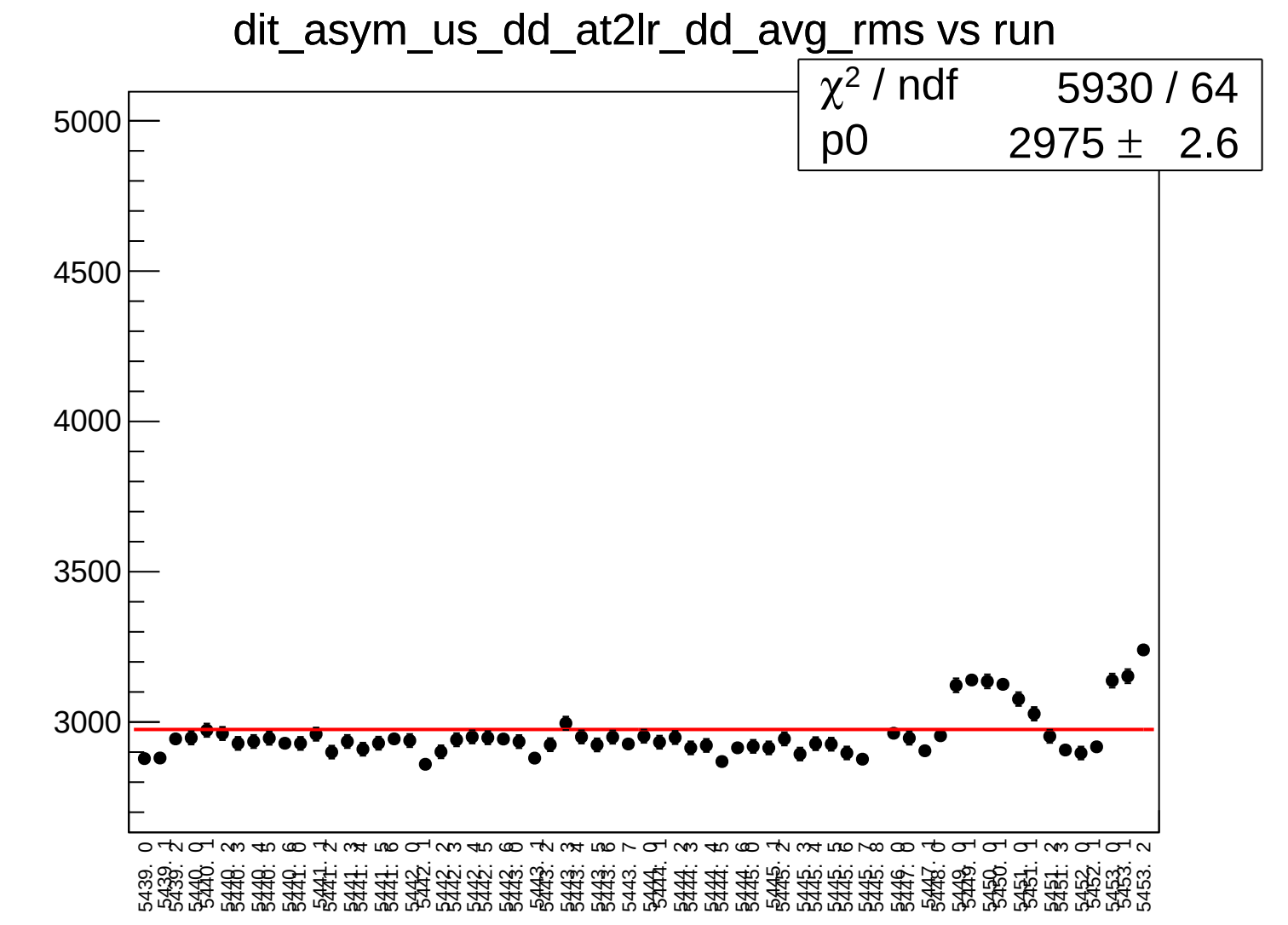

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 72.61 / 64
p0 −6170 ± 3203
pull
Entries 65
Mean −42.27
Std Dev 0

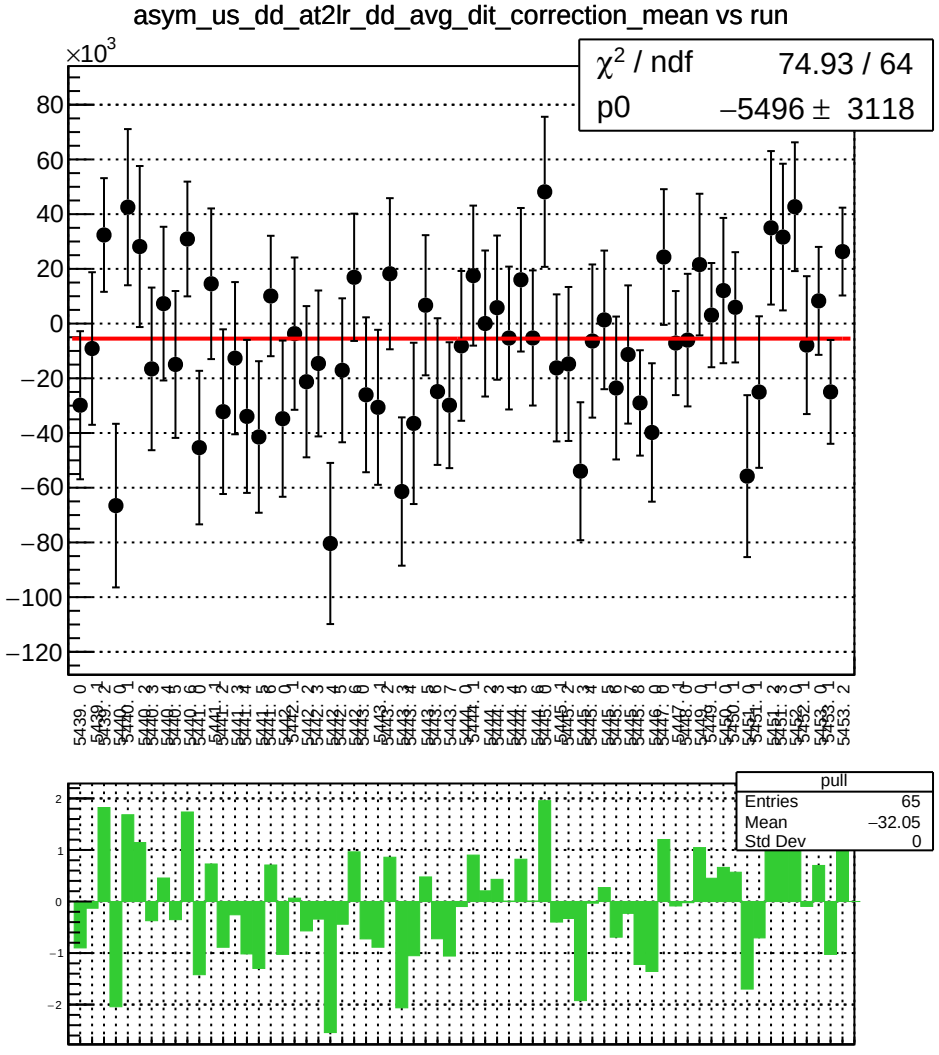

pull1D
Entries 65
Mean −0.03713
Std Dev 1.056

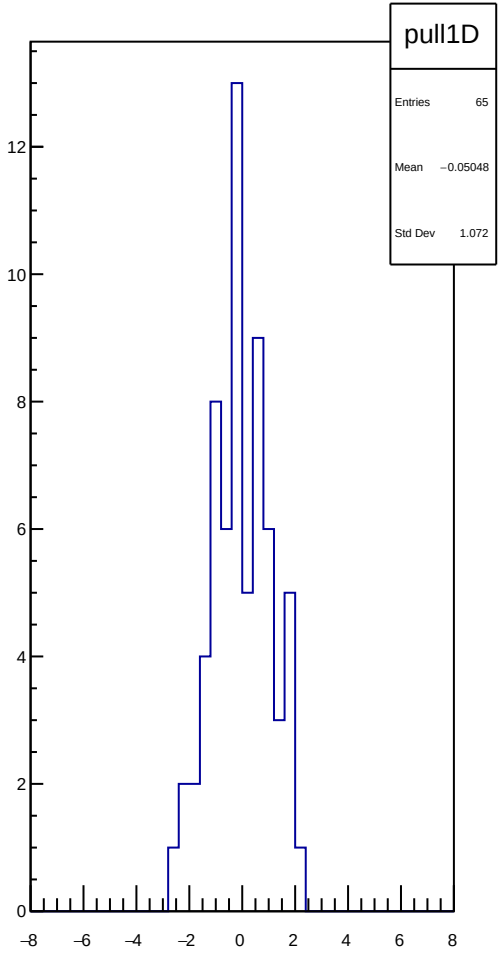

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4675 / 64
p0 2593 ± 2.265
3200
3000
2800
2600
2400
2200

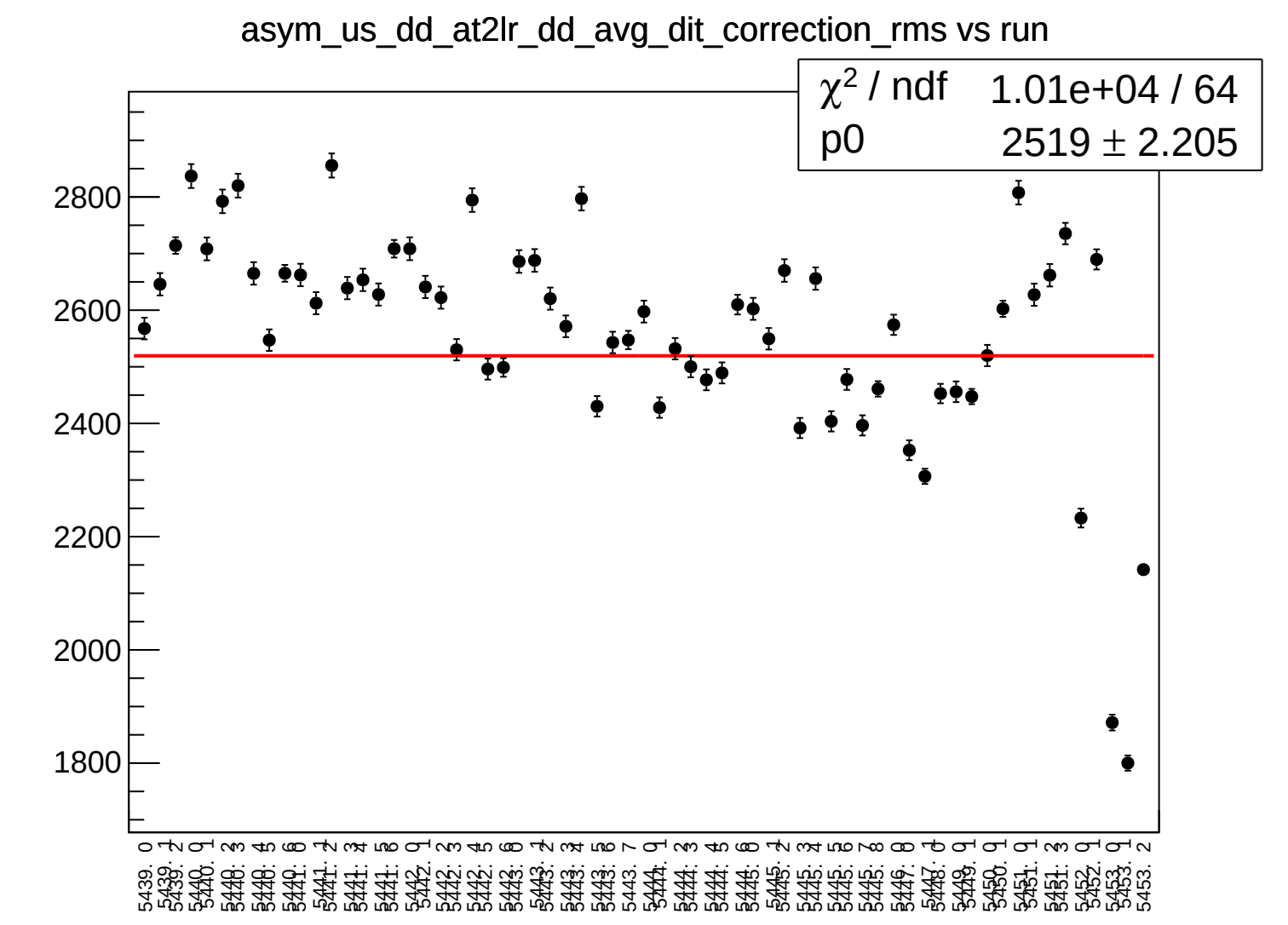

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 42.29 / 64
p0 6311 ± 3677
×10³
pull
Entries 65
Mean 76.42
Std Dev 0

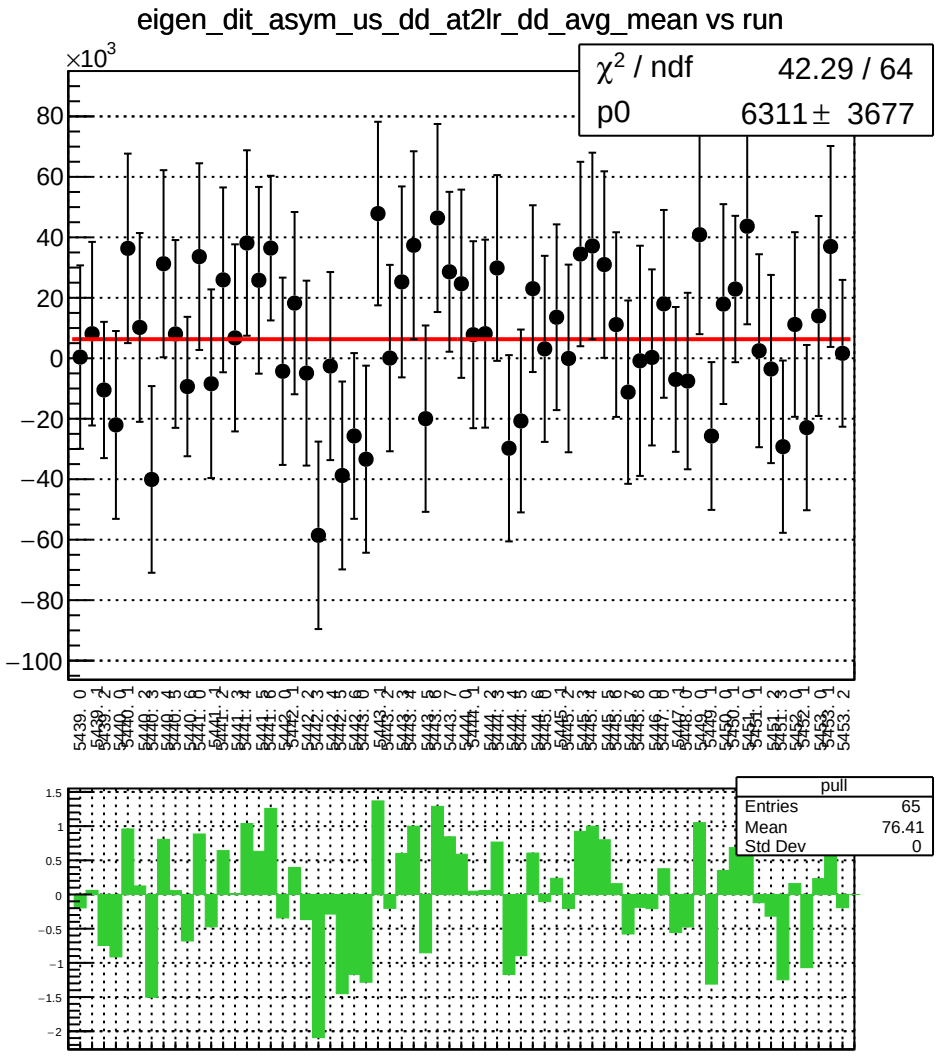

pull1D
Entries 65
Mean 0.01386
Std Dev 0.8064

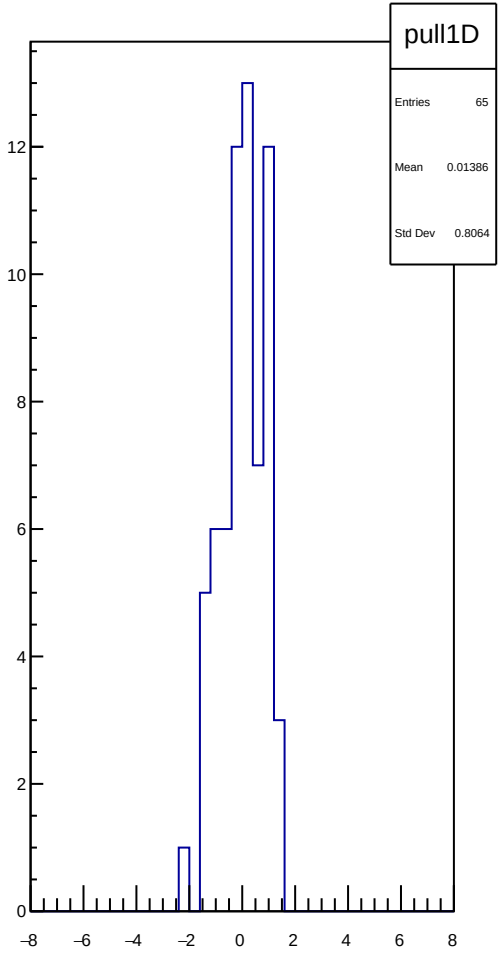

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 5930 / 64
p0 2975 ± 2.6
5000
4500
4000
3500
3000

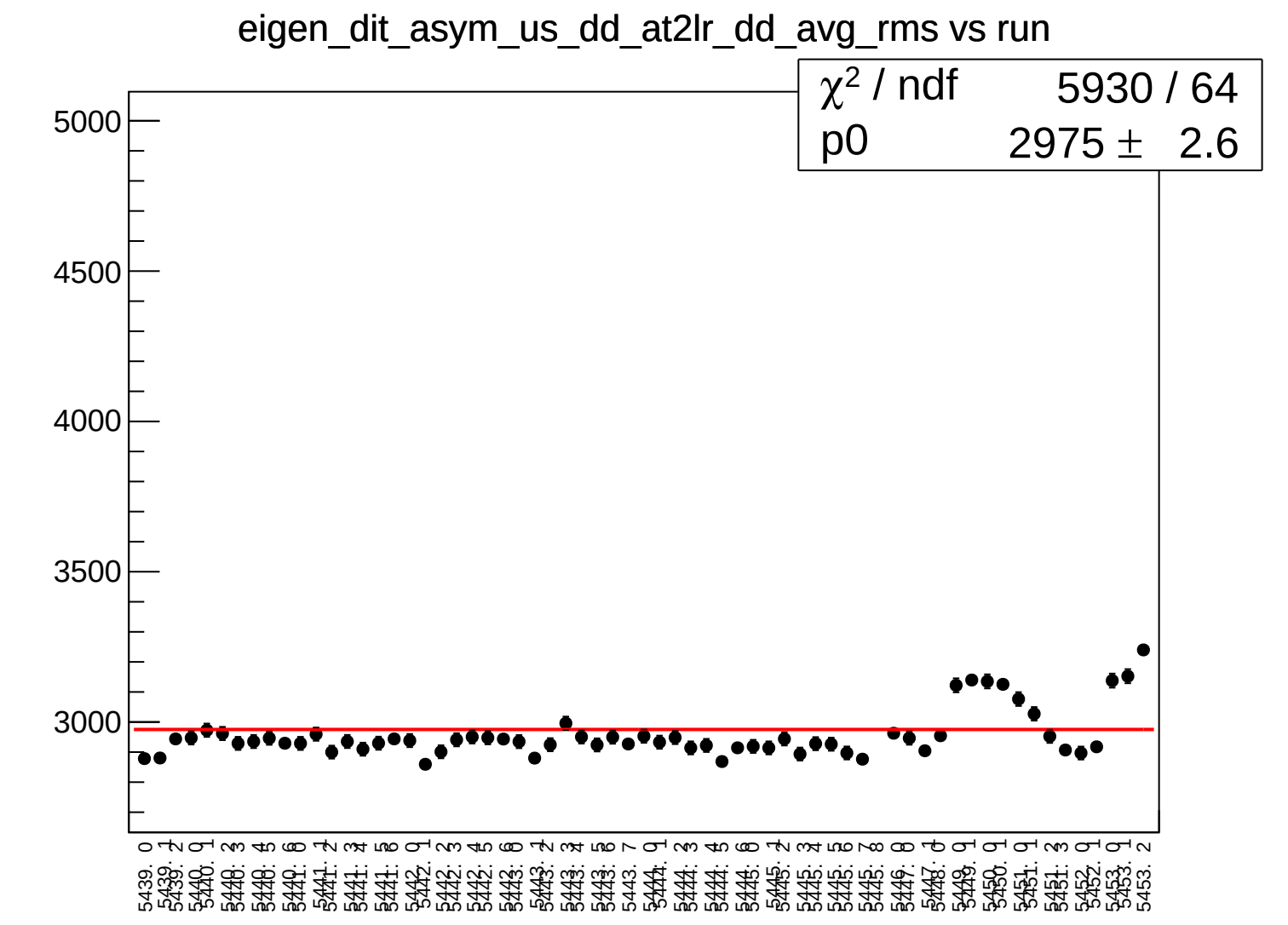

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 74.93 / 64
p0 −5496 ± 3118
pull
Entries 65
Mean −32.05
Std Dev 0

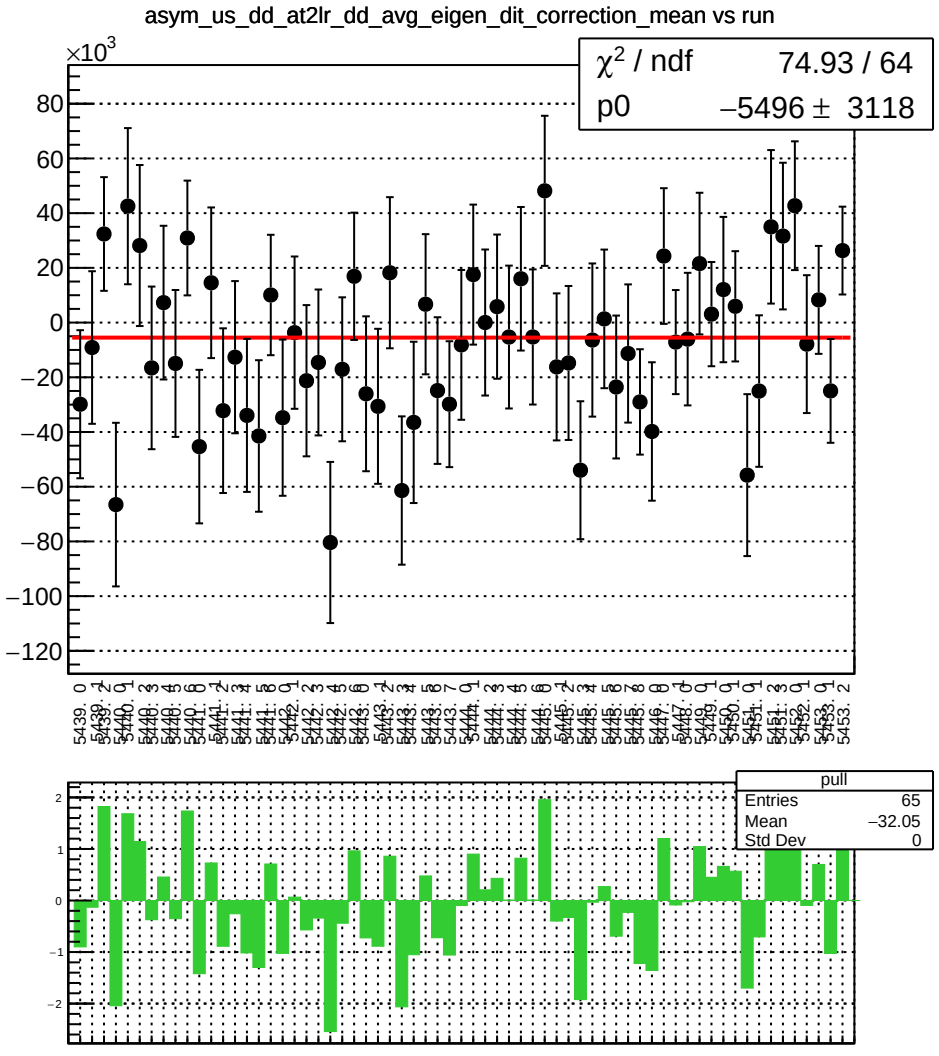

pull1D
Entries 65
Mean −0.05048
Std Dev 1.072

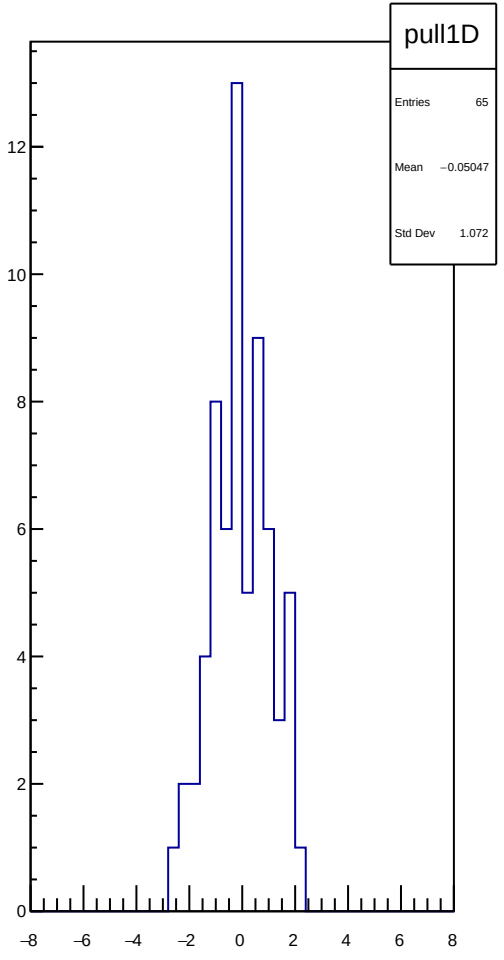

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.01e+04 / 64
p0 2519 ± 2.205
2800
2600
2400
2200
2000
1800

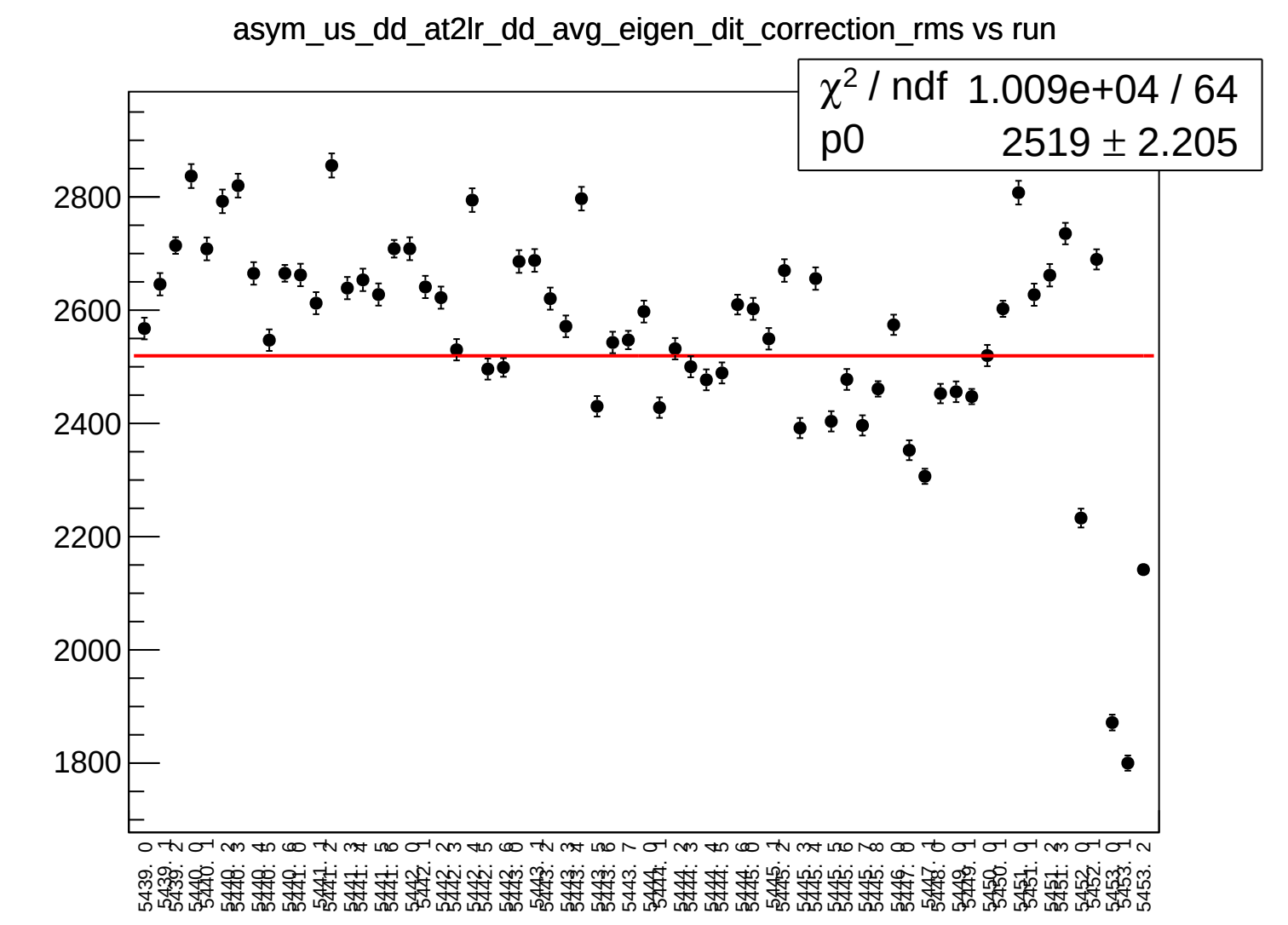

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 42.29 / 64
p0 6311 ± 3677
pull
Entries 65
Mean 76.41
Std Dev 0

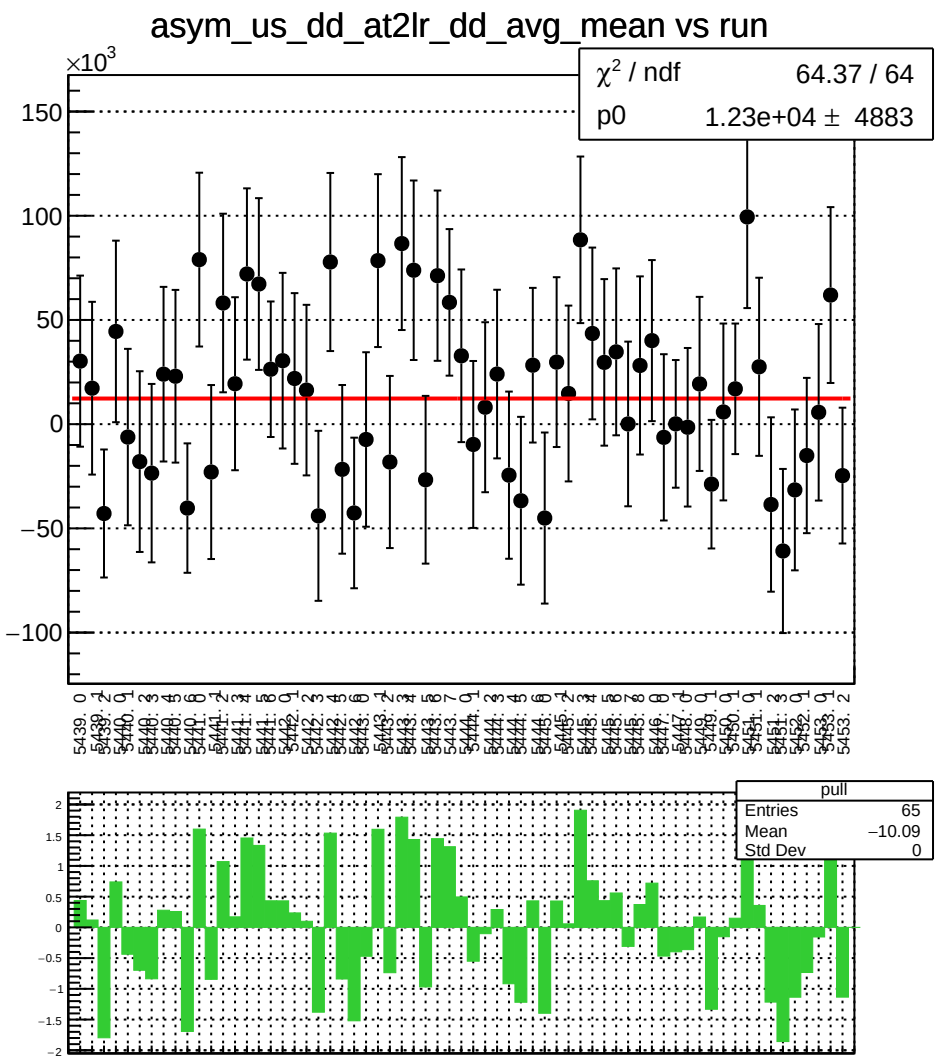

pull1D
Entries 65
Mean 0.01386
Std Dev 0.8064

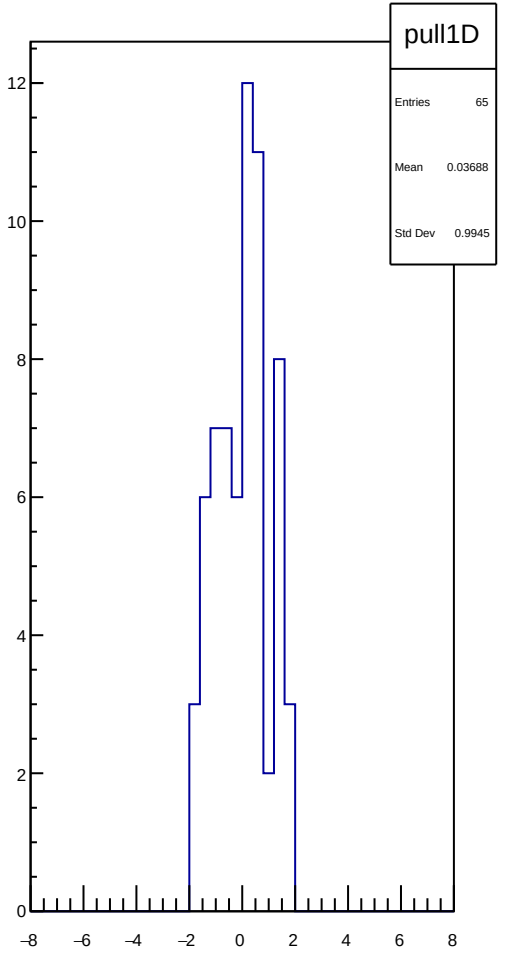

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 5930 / 64
p0 2975 ± 2.6
5000
4500
4000
3500
3000

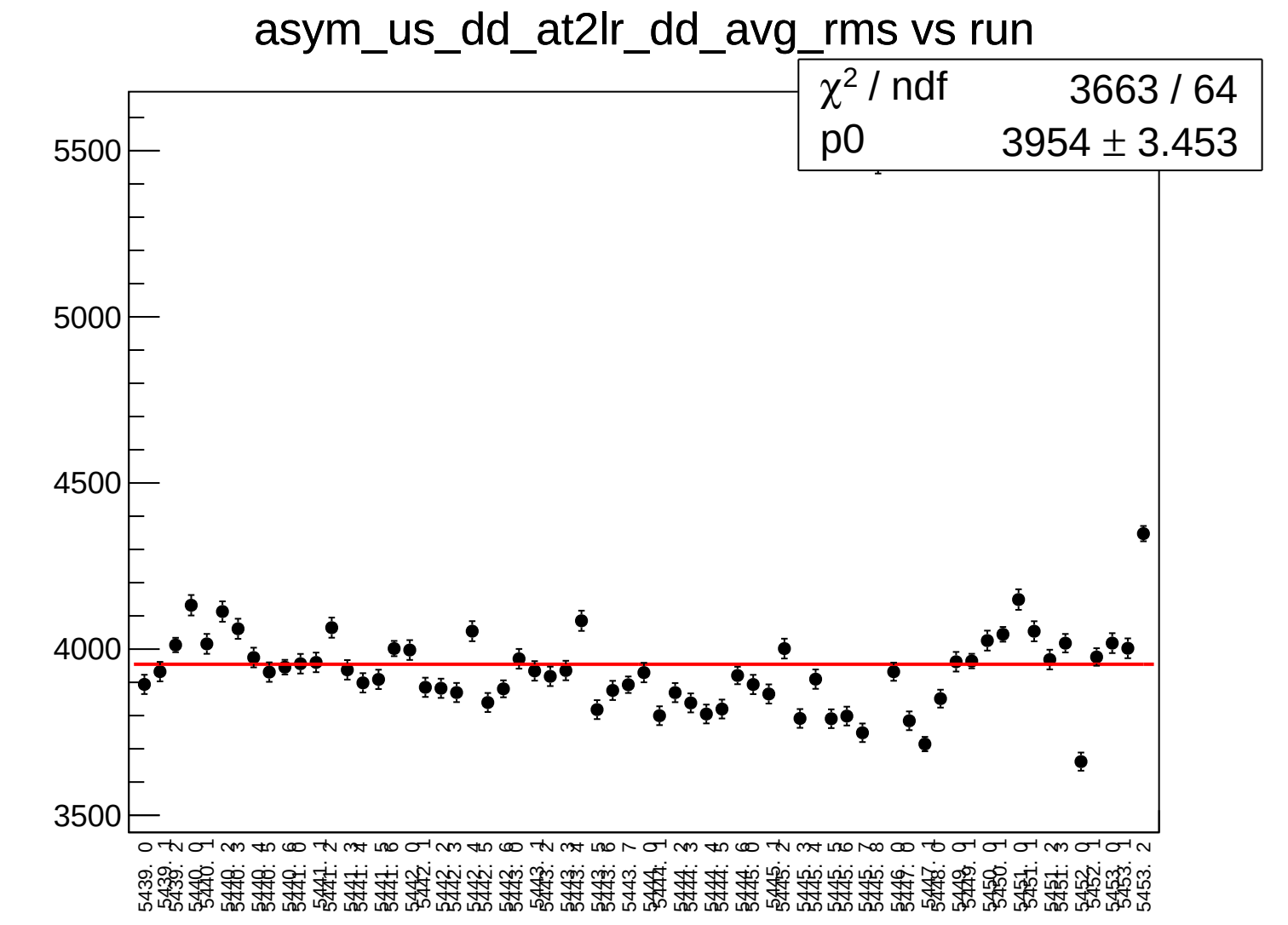

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 74.93 / 64
p0 −5496 ± 3118
pull
Entries 65
Mean −32.05
Std Dev 0

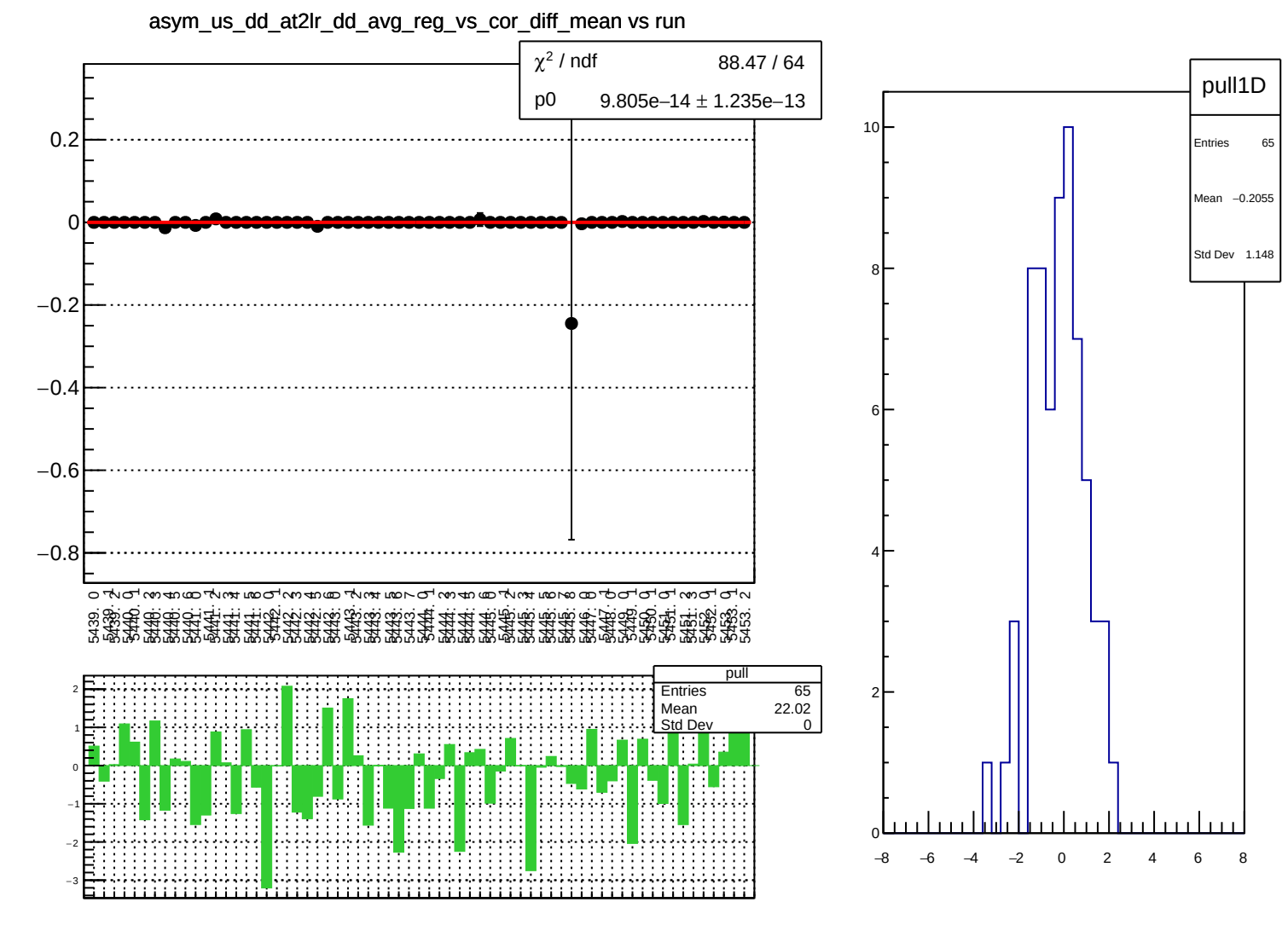

pull1D
Entries 65
Mean −0.05047
Std Dev 1.072

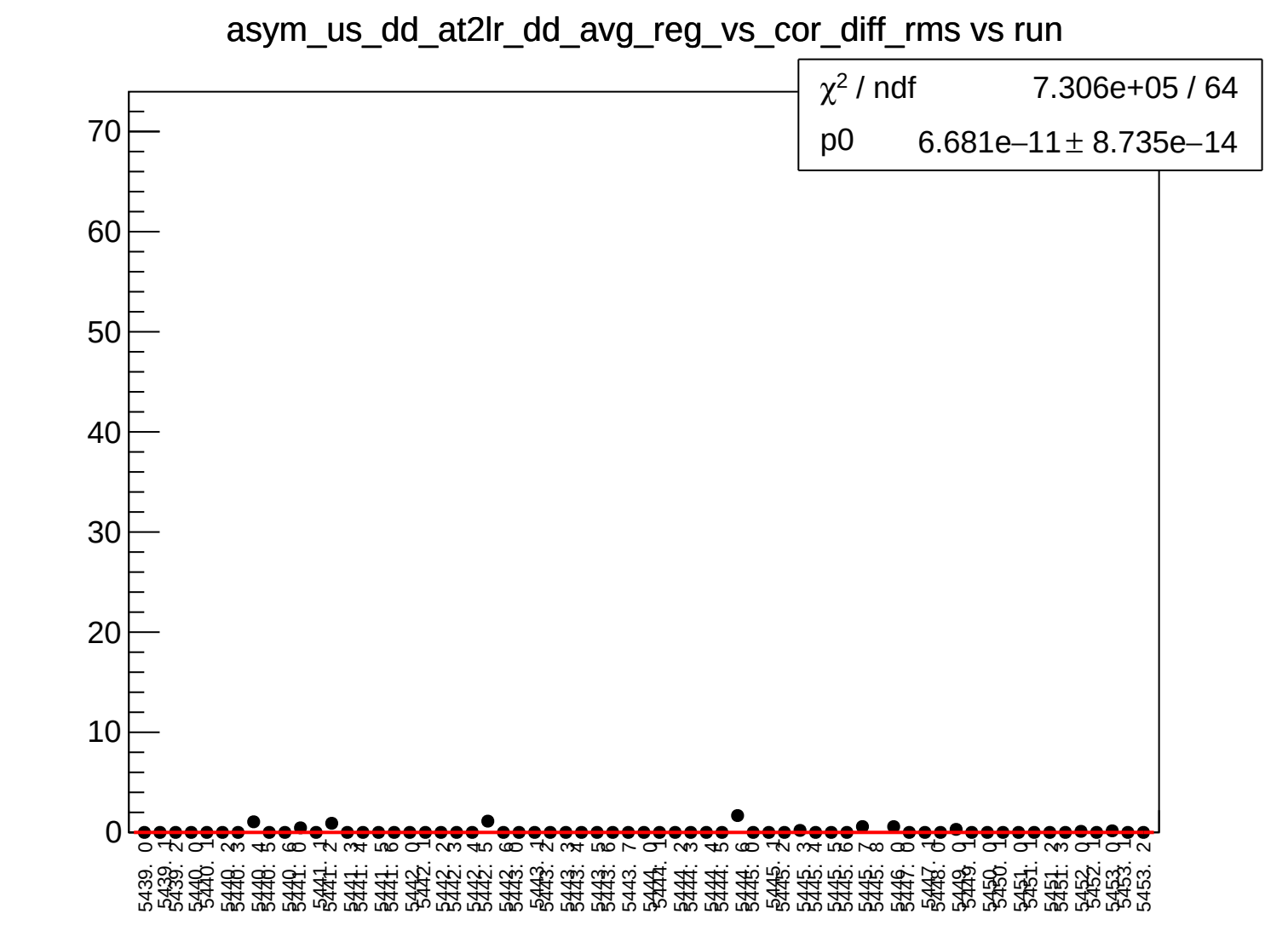

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.009e+04 / 64
p0 2519 ± 2.205
2800
2600
2400
2200
2000
1800

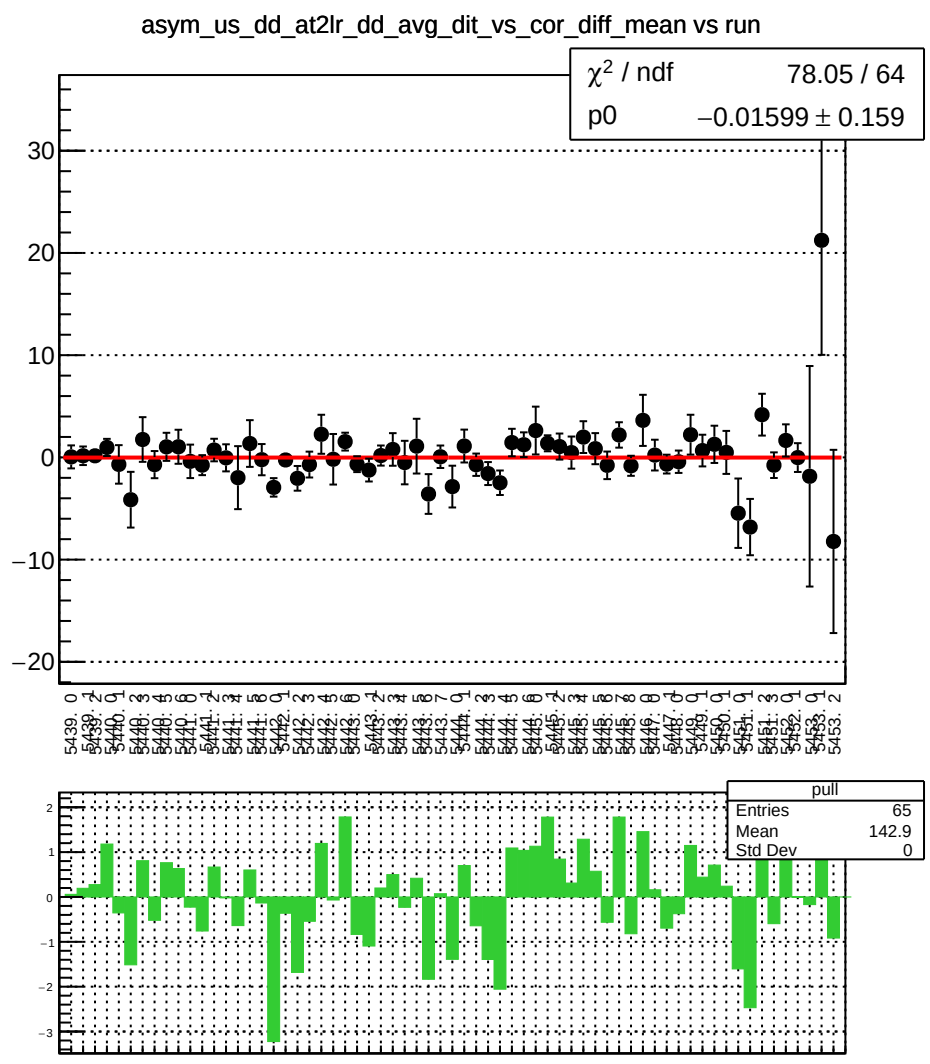

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 64.37 / 64
p0 1.23e+04 ± 4883
150
100
50
0
−50
−100
pull
Entries 65
Mean −10.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

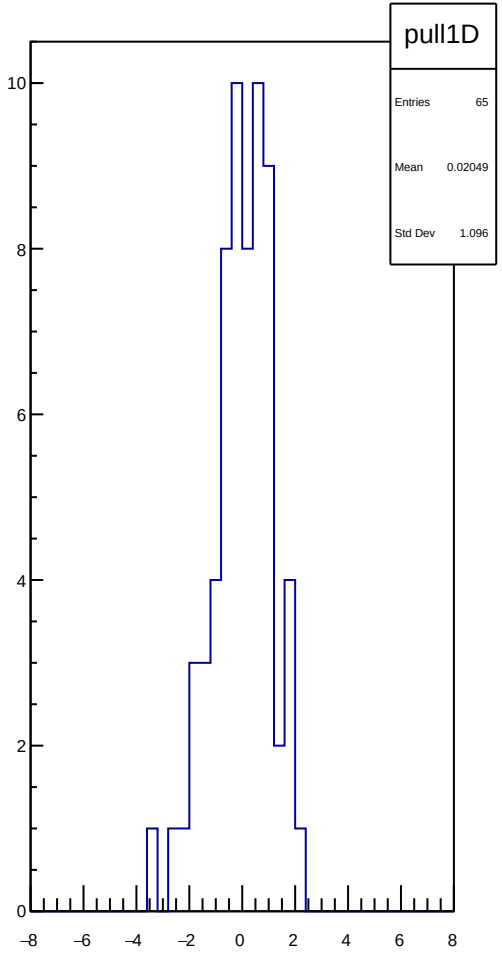

pull1D
Entries 65
Mean 0.03688
Std Dev 0.9945
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

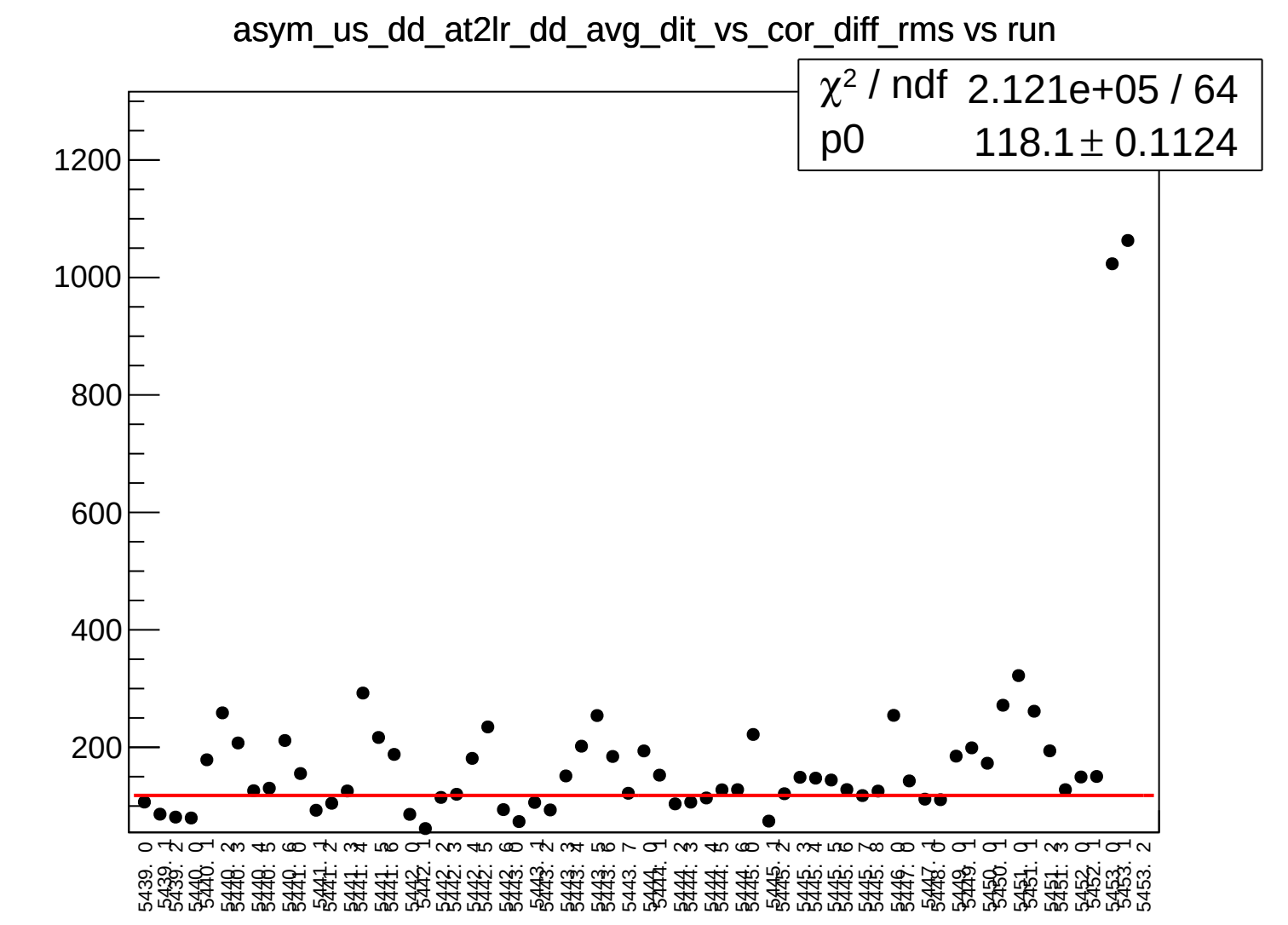

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 3663 / 64
p0 3954 ± 3.453
5500
5000
4500
4000
3500

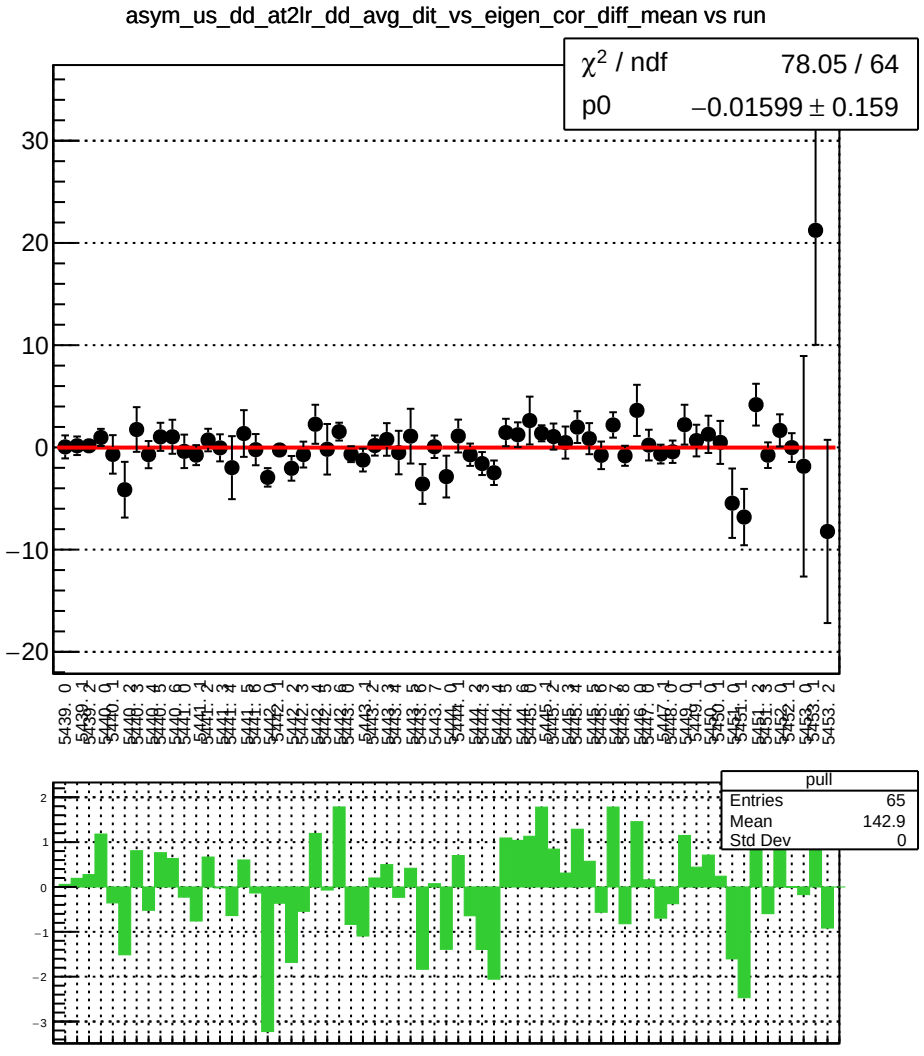

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.47 / 64
p0 9.805e−14 ± 1.235e−13
pull
Entries 65
Mean 22.02
Std Dev 0
pull1D
Entries 65
Mean −0.2055
Std Dev 1.148

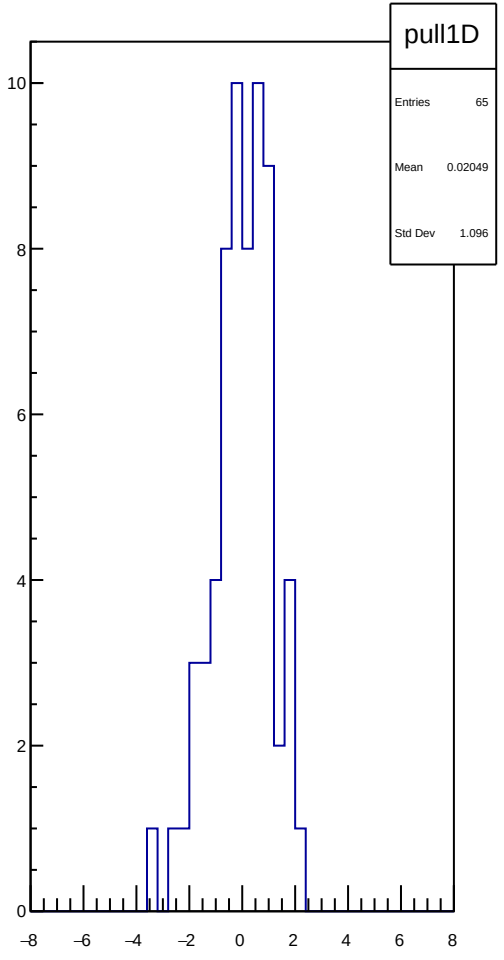

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 7.306e+05 / 64
p0 6.681e−11 ± 8.735e−14
70
60
50
40
30
20
10
0

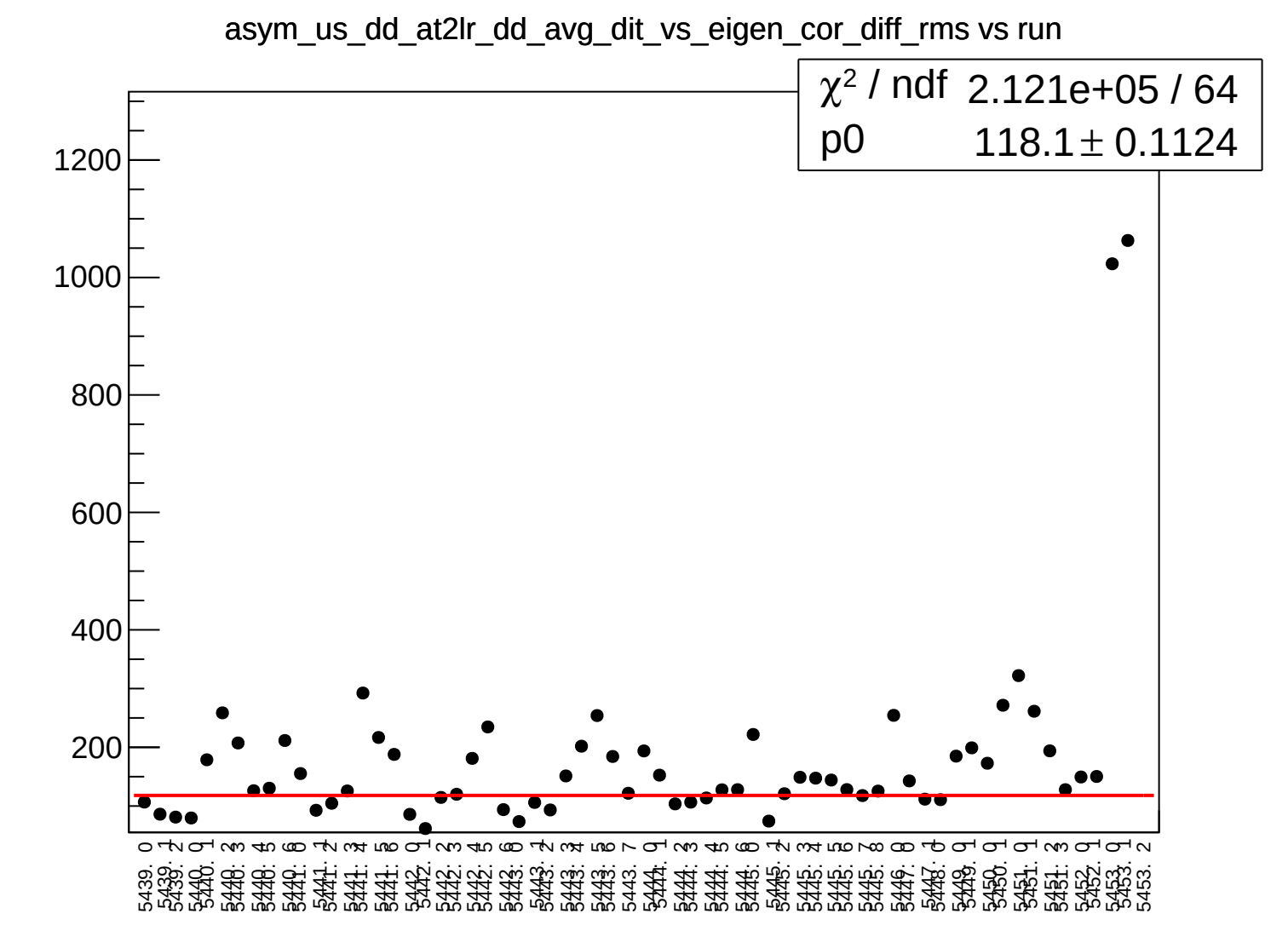

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.05 / 64
p0 −0.01599 ± 0.159
pull
Entries 65
Mean 142.9
Std Dev 0

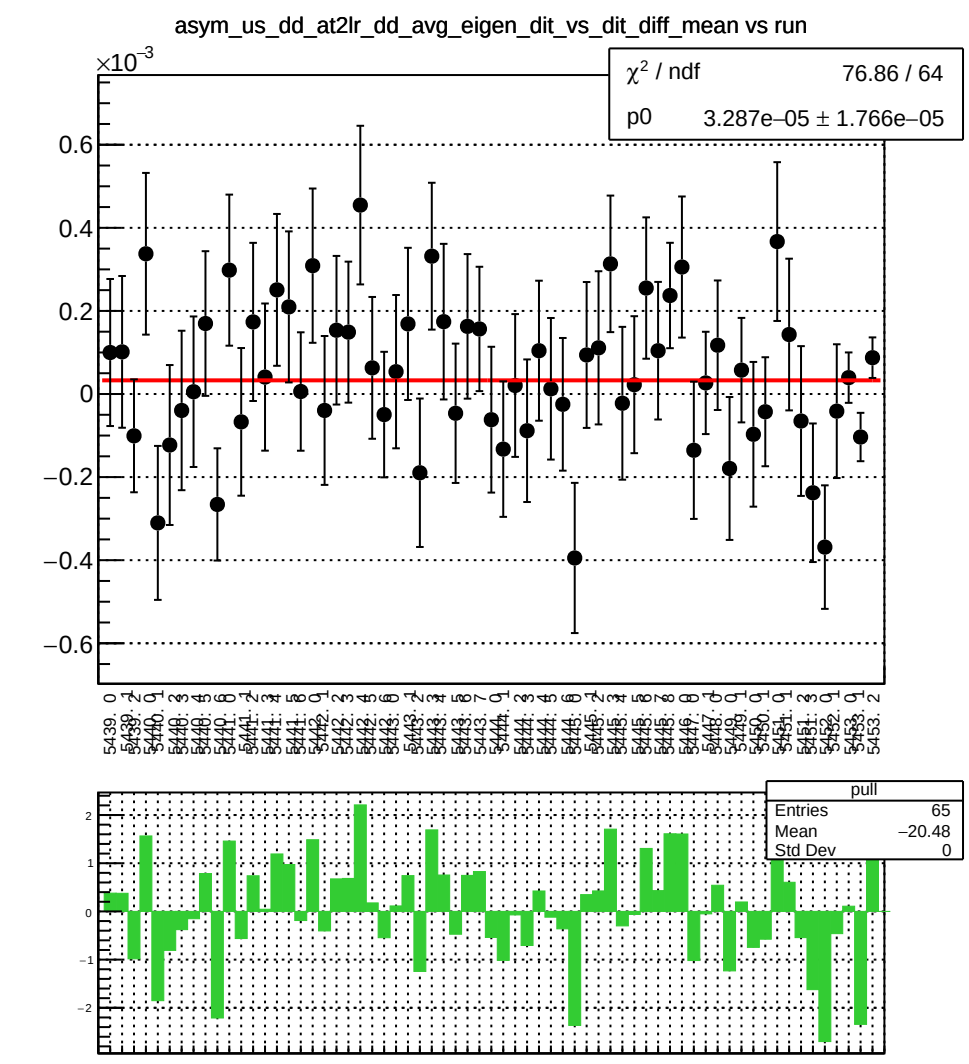

pull1D
Entries 65
Mean 0.02049
Std Dev 1.096

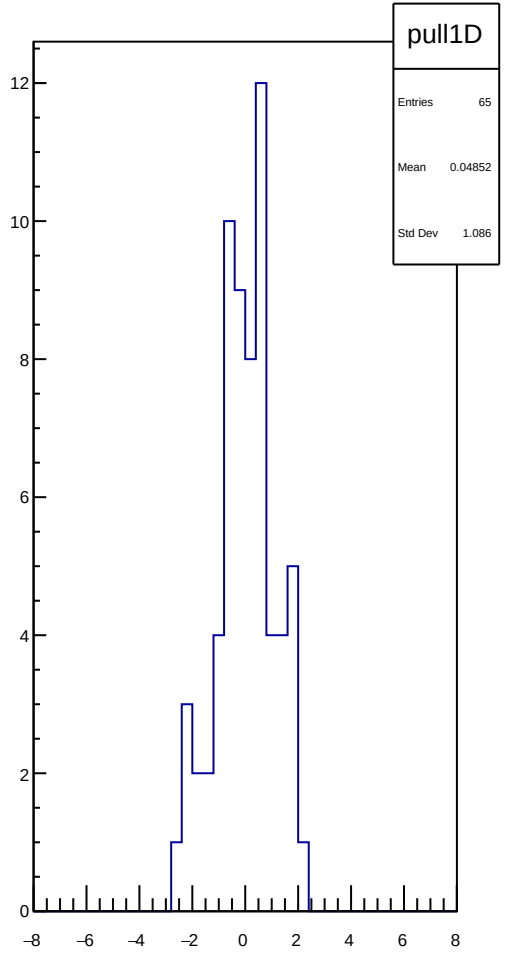

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.121e+05 / 64
p0 118.1 ± 0.1124
1200
1000
800
600
400
200

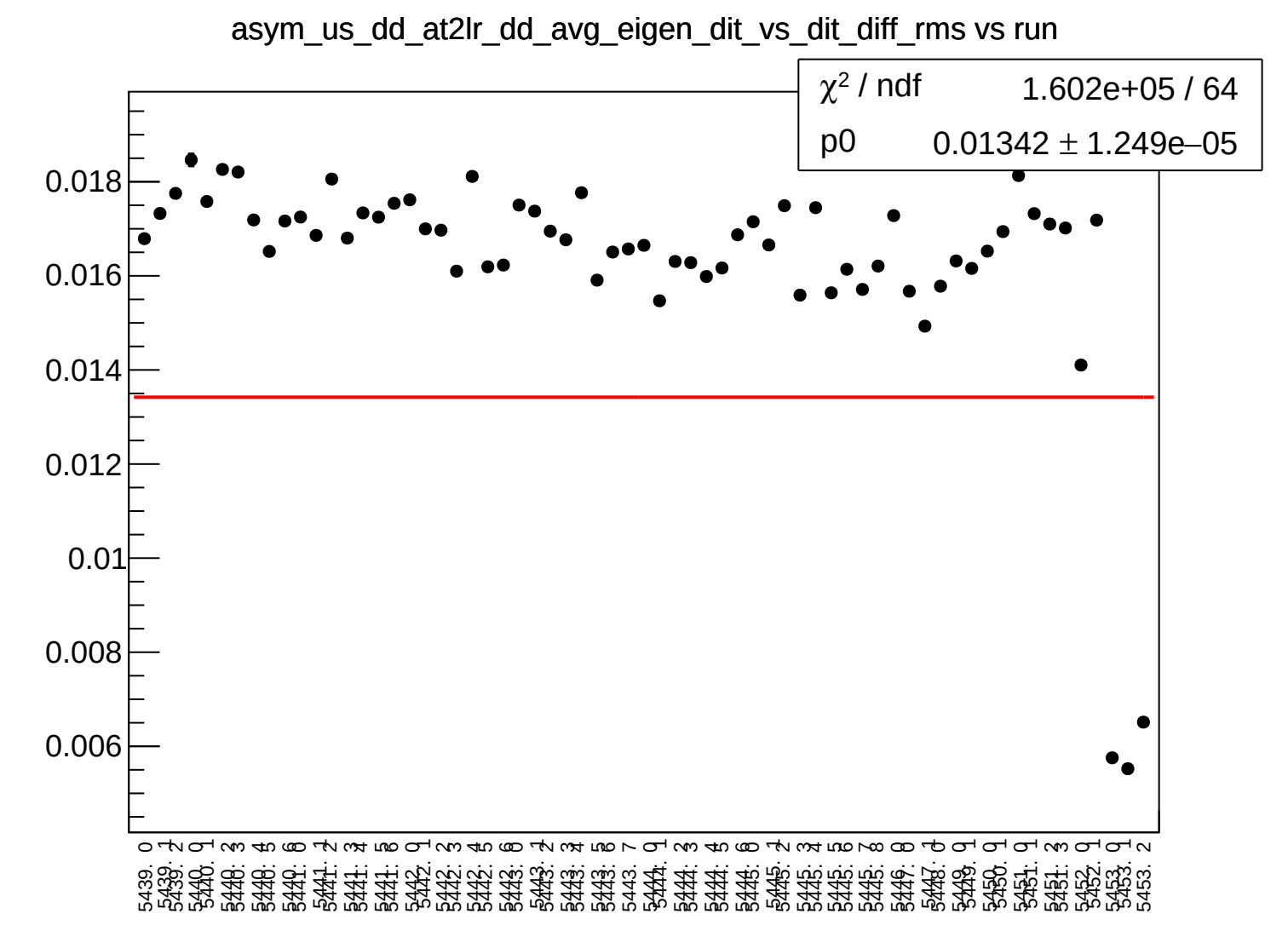

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.05 / 64
p0 −0.01599 ± 0.159
pull
Entries 65
Mean 142.9
Std Dev 0

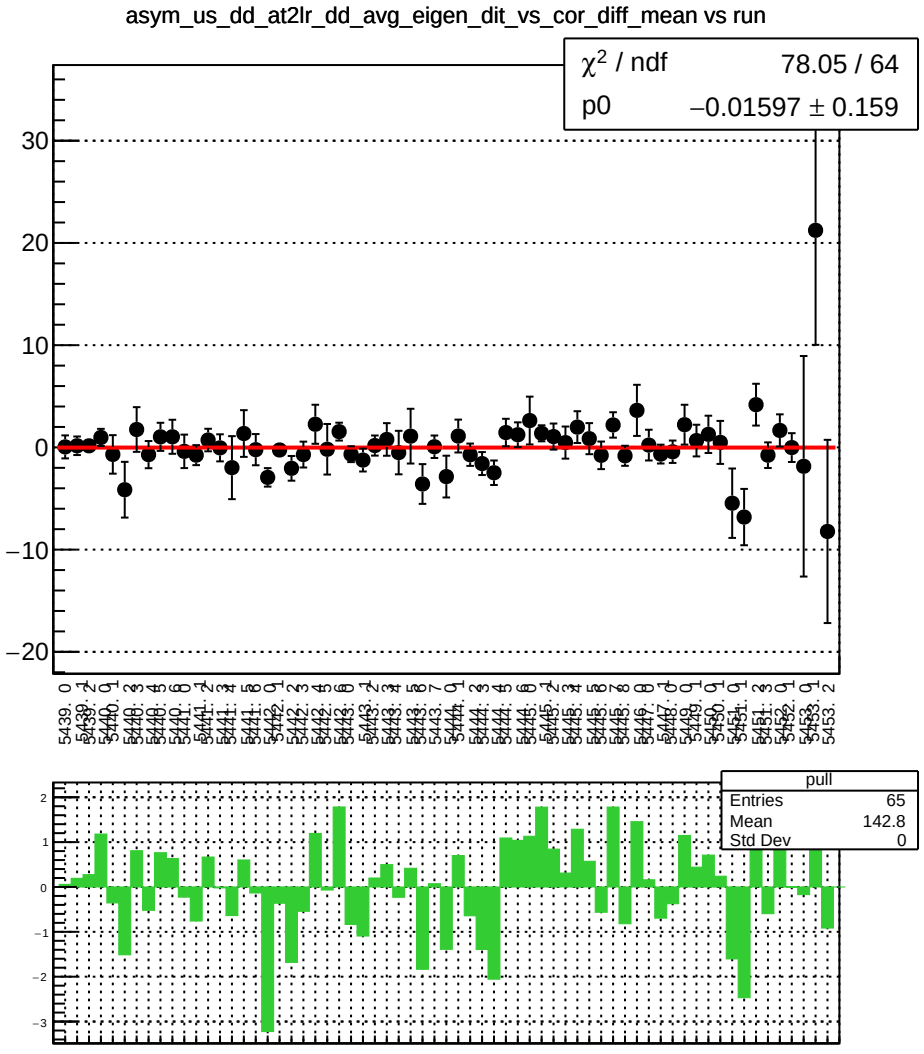

pull1D
Entries 65
Mean 0.02049
Std Dev 1.096

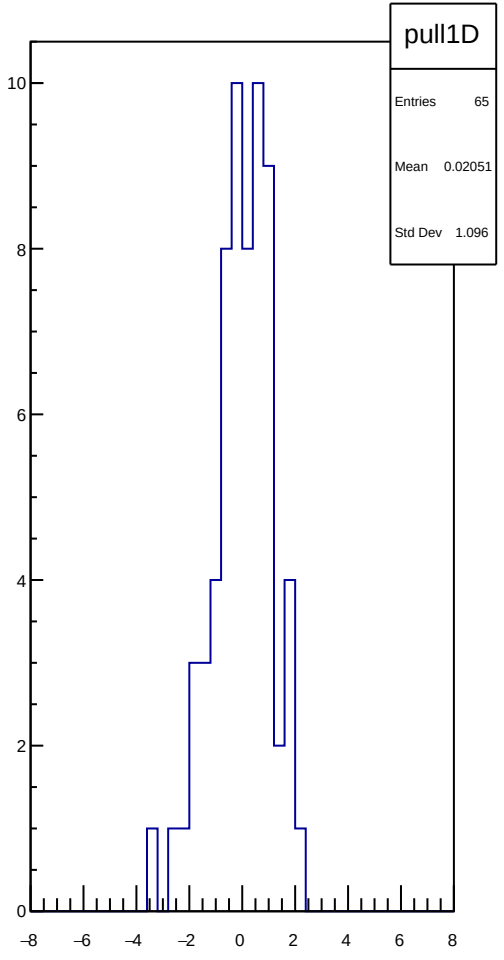

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.121e+05 / 64
p0 118.1 ± 0.1124
1200
1000
800
600
400
200

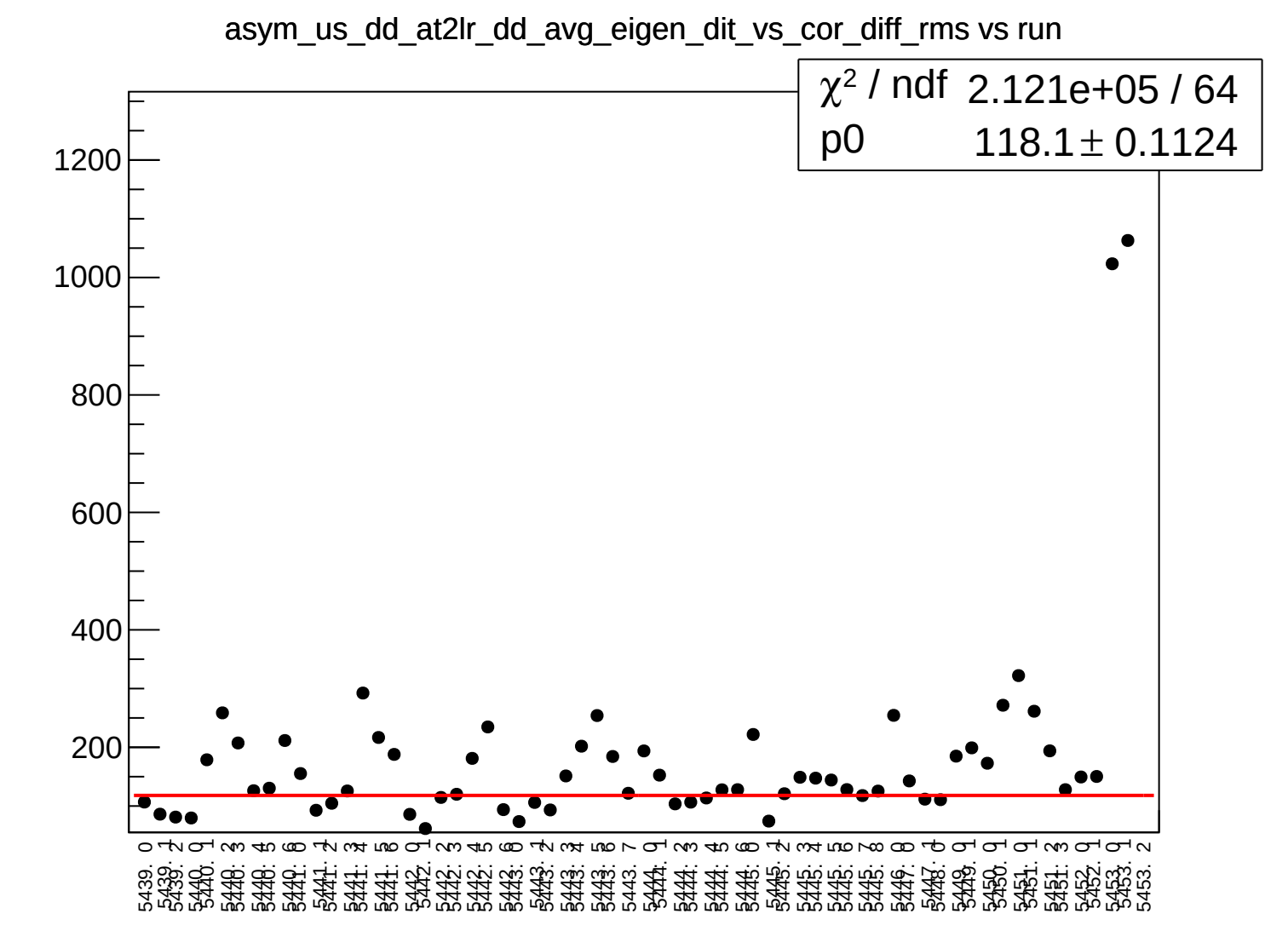

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.86 / 64
p0 3.287e−05 ± 1.766e−05
pull
Entries 65
Mean −20.48
Std Dev 0

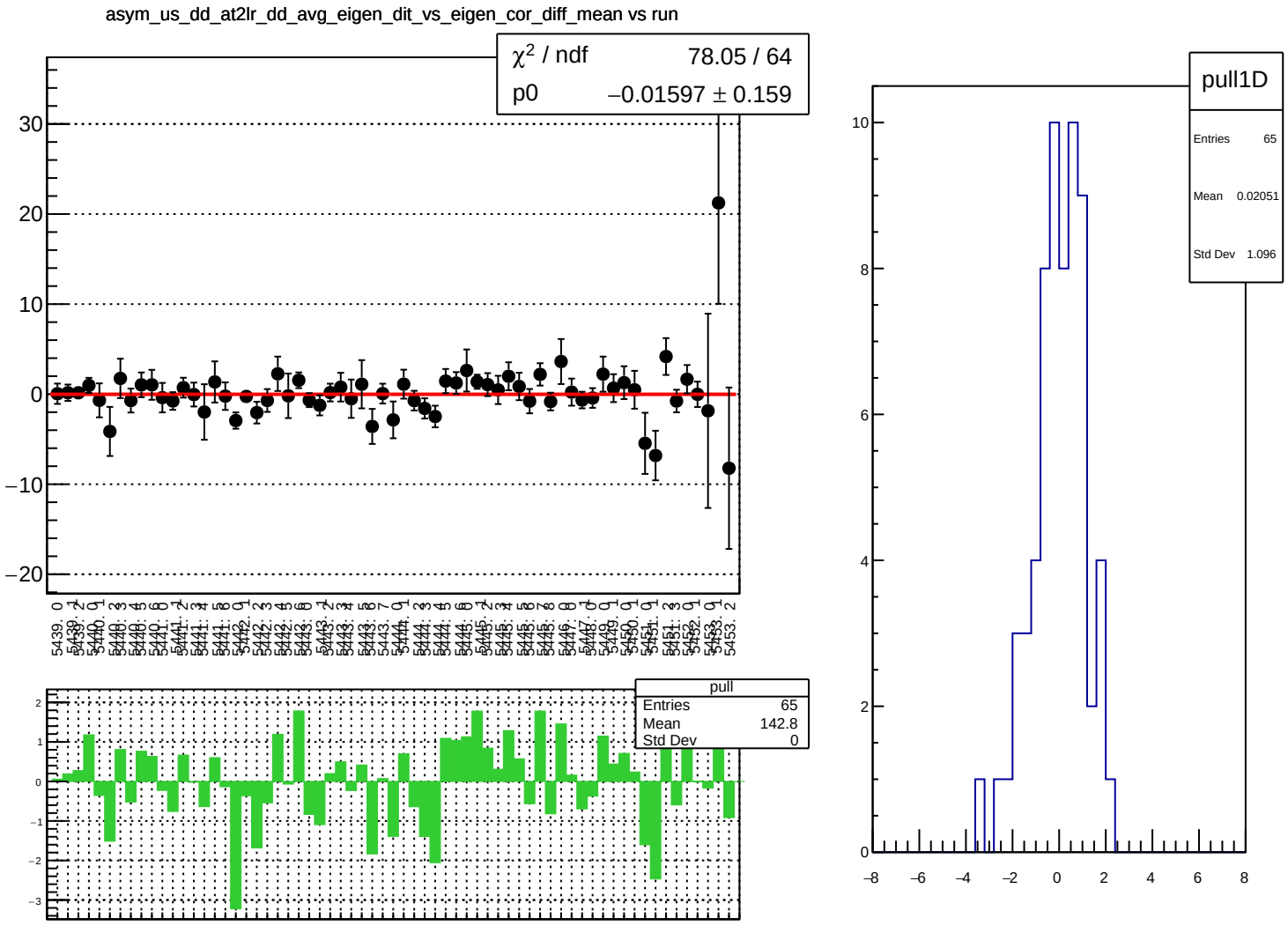

pull1D
Entries 65
Mean 0.04852
Std Dev 1.086

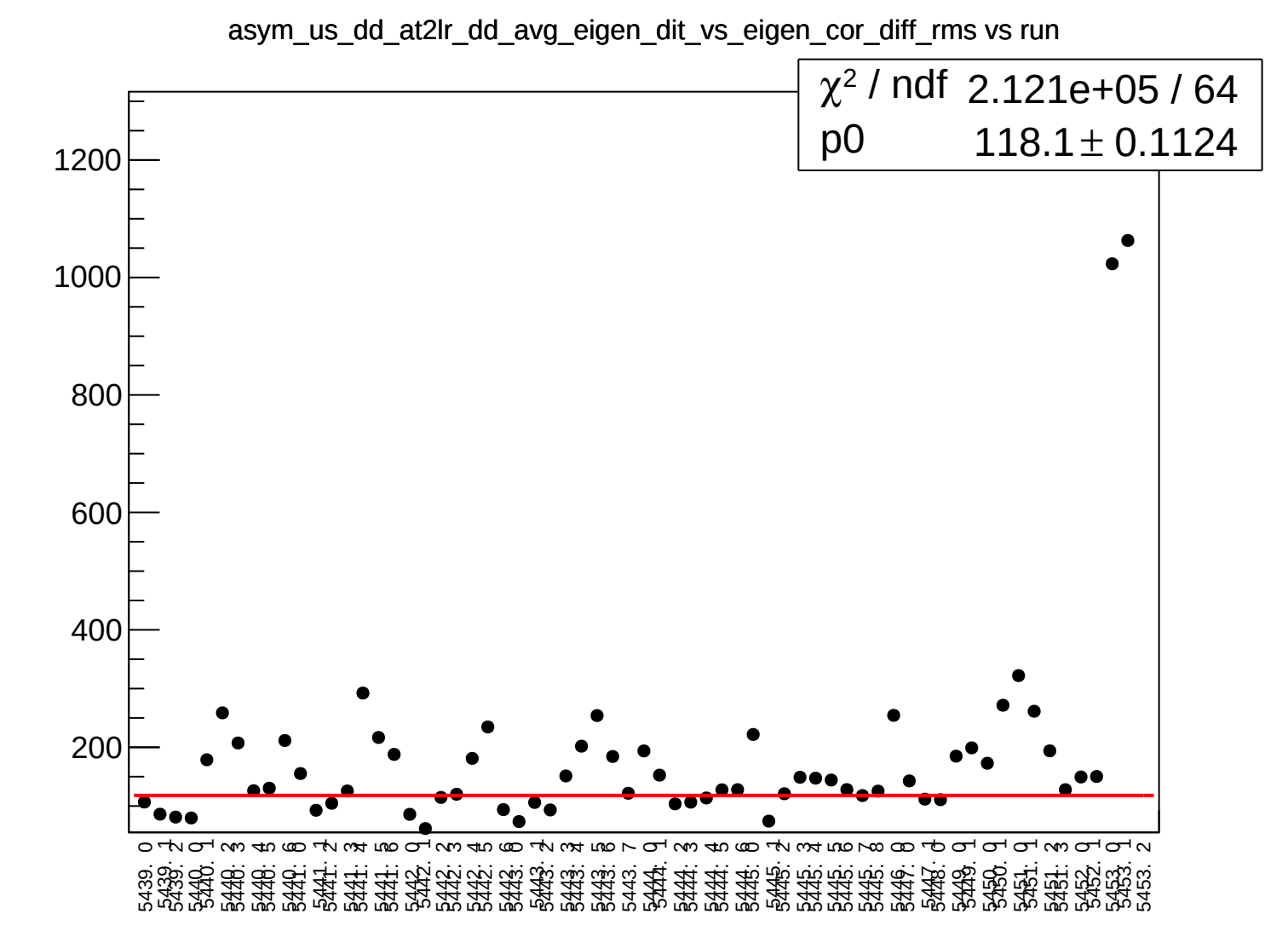

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.602e+05 / 64
p0 0.01342 ± 1.249e−05
0.018
0.016
0.014
0.012
0.01
0.008
0.006

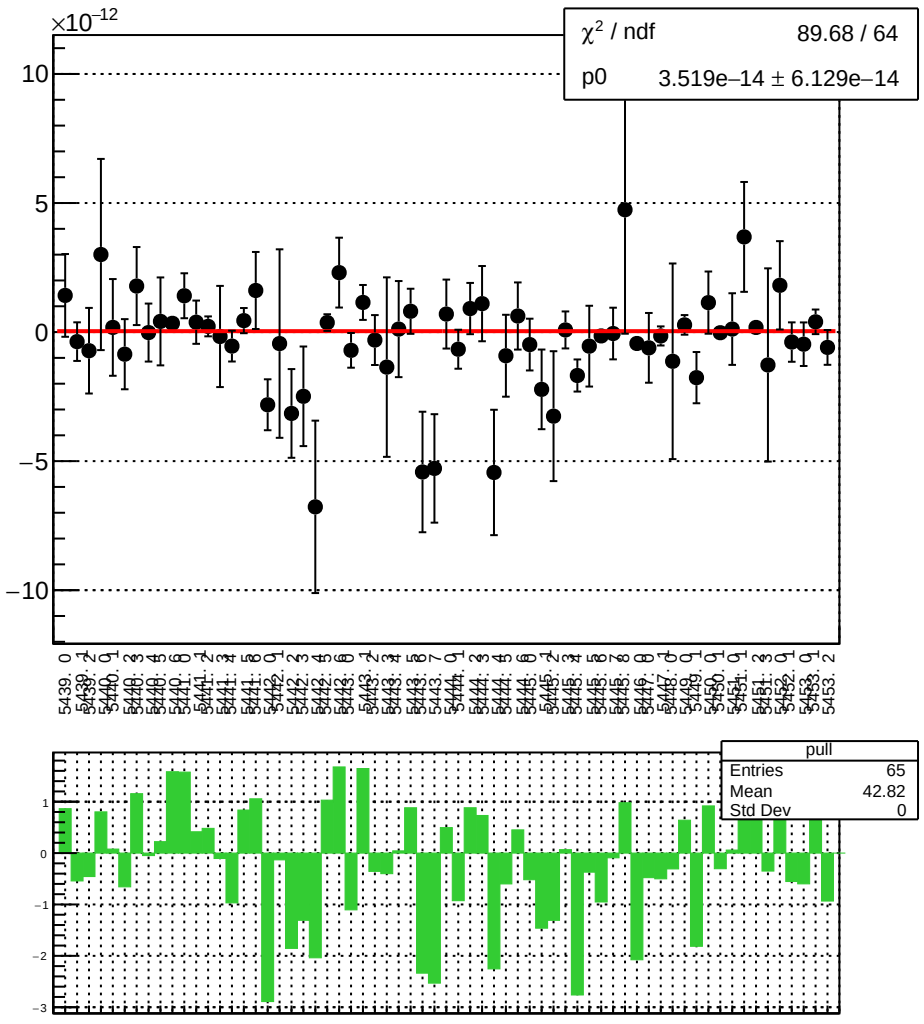

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.05 / 64
p0 −0.01597 ± 0.159
pull
Entries 65
Mean 142.8
Std Dev 0

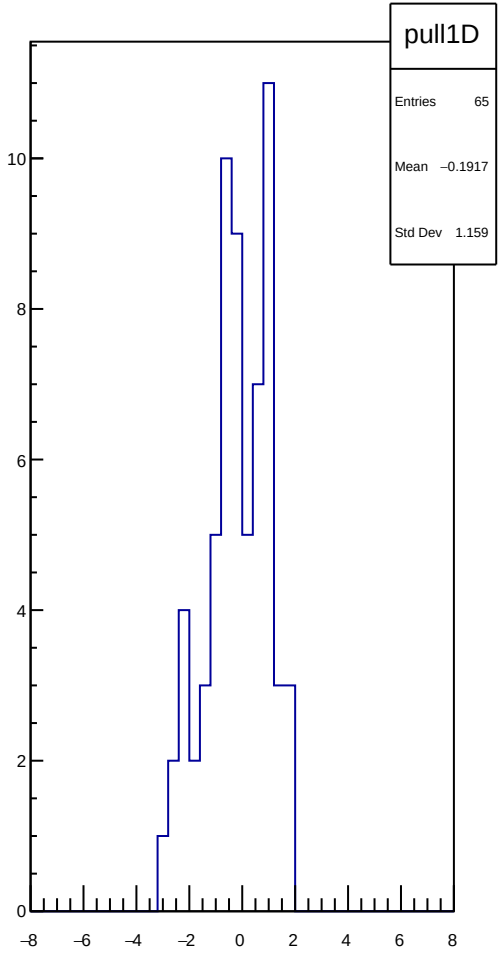

pull1D
Entries 65
Mean 0.02051
Std Dev 1.096

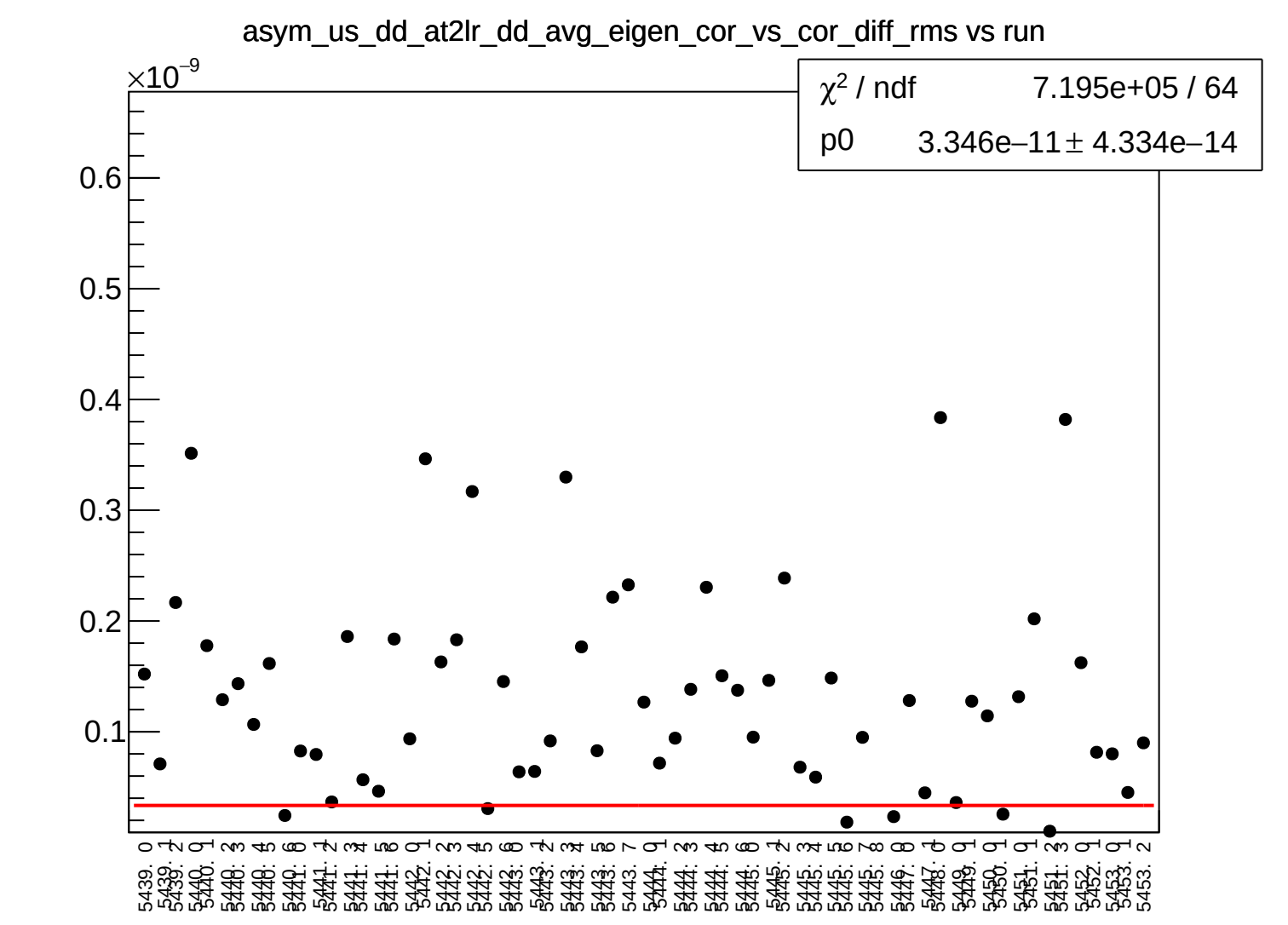

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.121e+05 / 64
p0 118.1 ± 0.1124
1200
1000
800
600
400
200

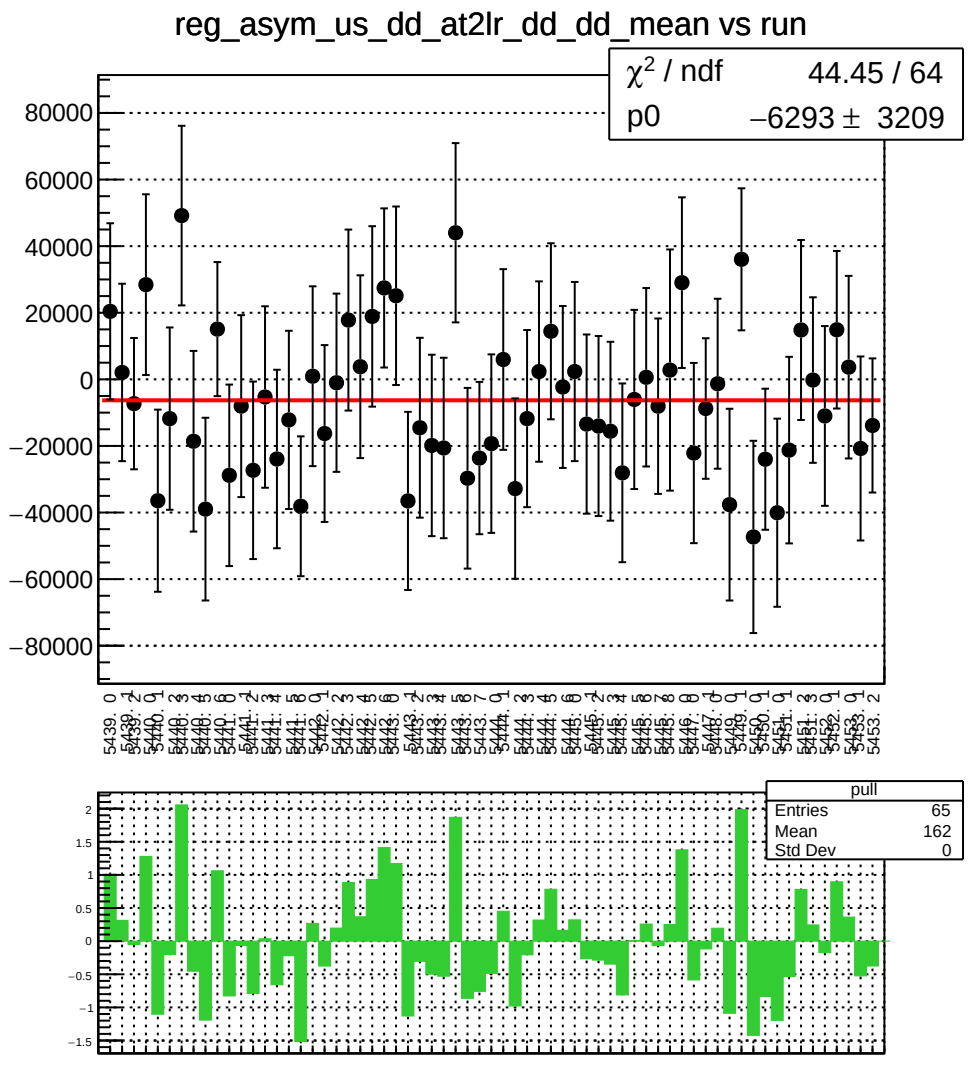

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.05 / 64
p0 −0.01597 ± 0.159
pull
Entries 65
Mean 142.8
Std Dev 0
pull1D
Entries 65
Mean 0.02051
Std Dev 1.096

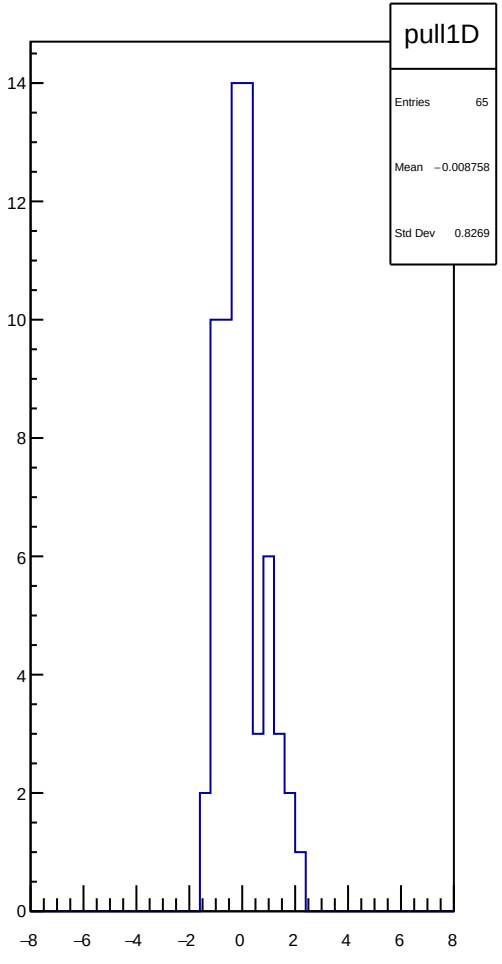

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.121e+05 / 64
p0 118.1 ± 0.1124
1200
1000
800
600
400
200

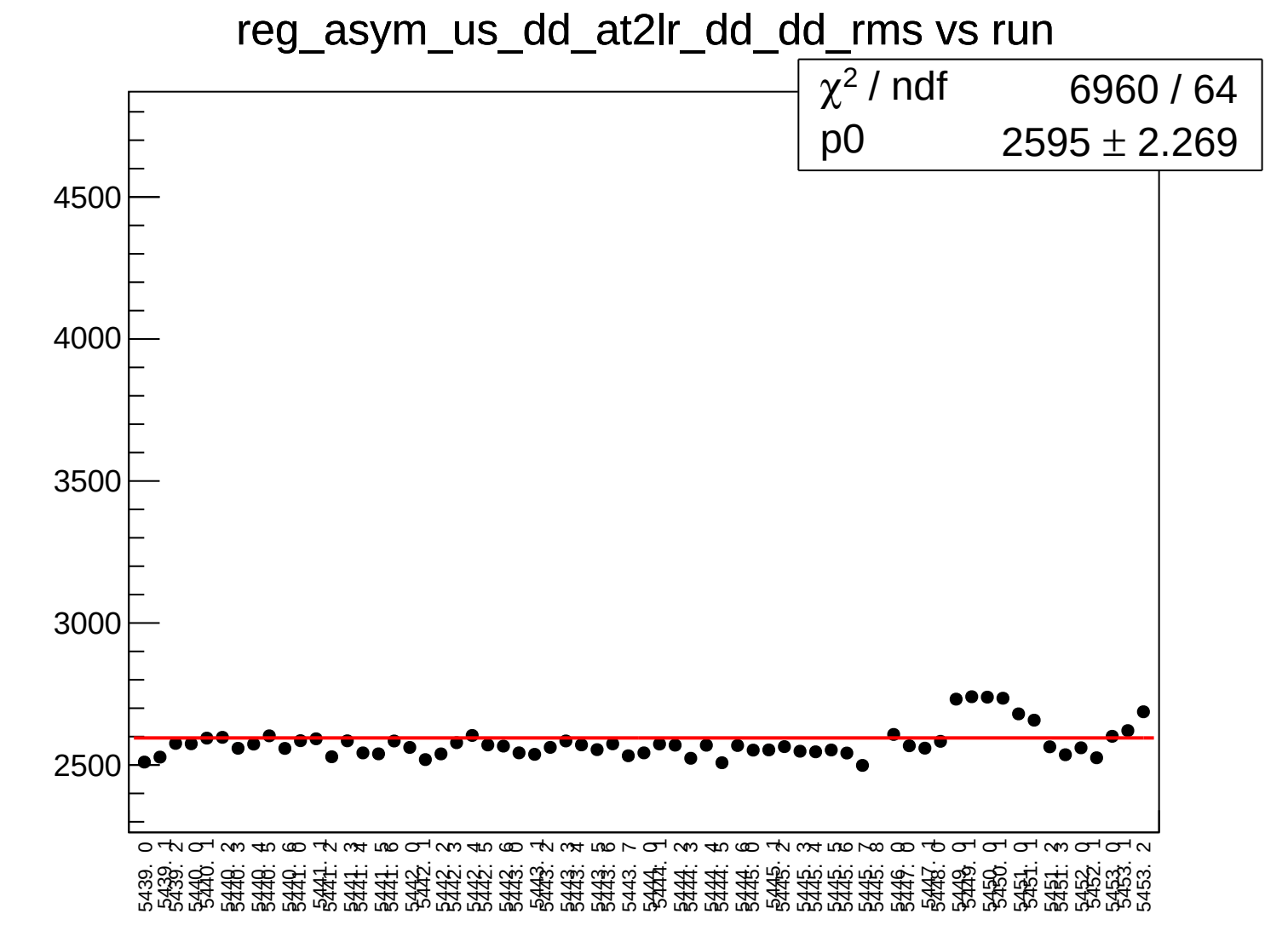

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.68 / 64
p0 3.519e−14 ± 6.129e−14
pull
Entries 65
Mean 42.82
Std Dev 0

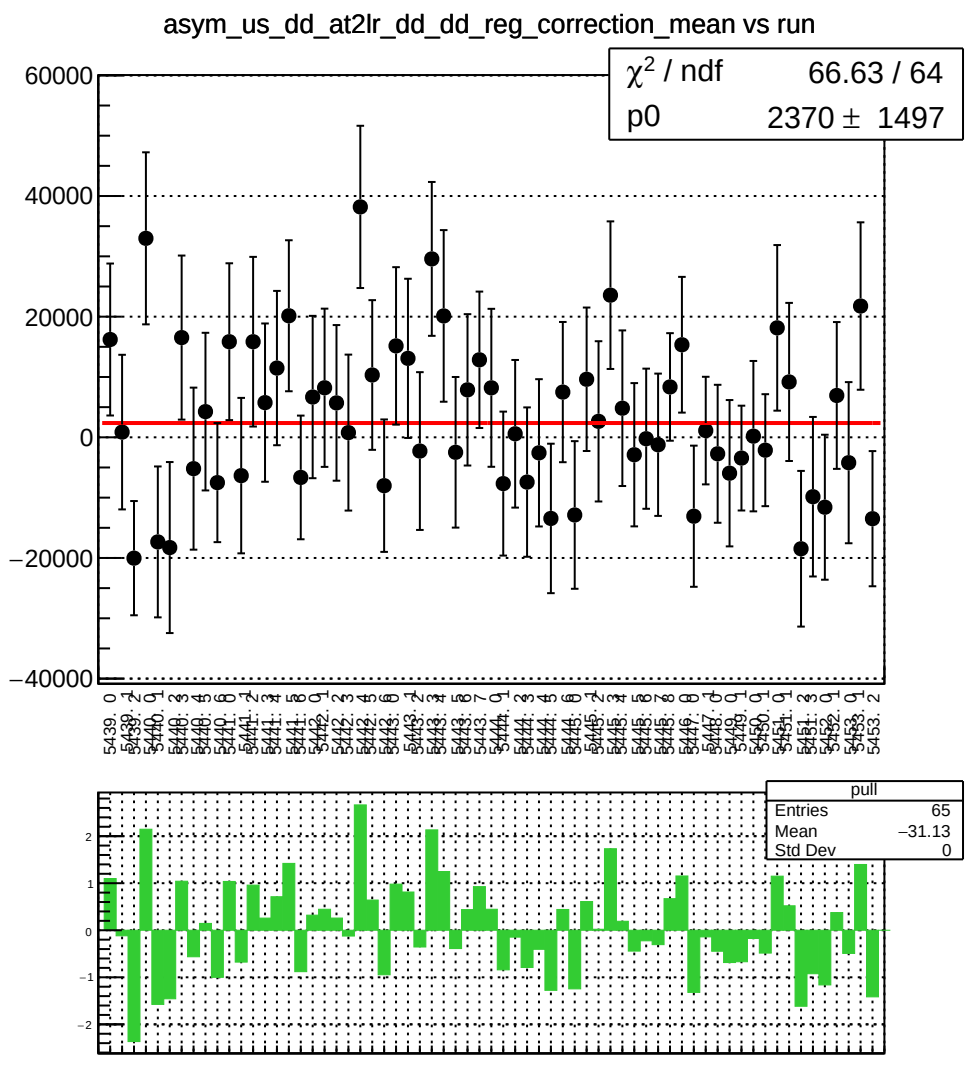

pull1D
Entries 65
Mean −0.1917
Std Dev 1.159

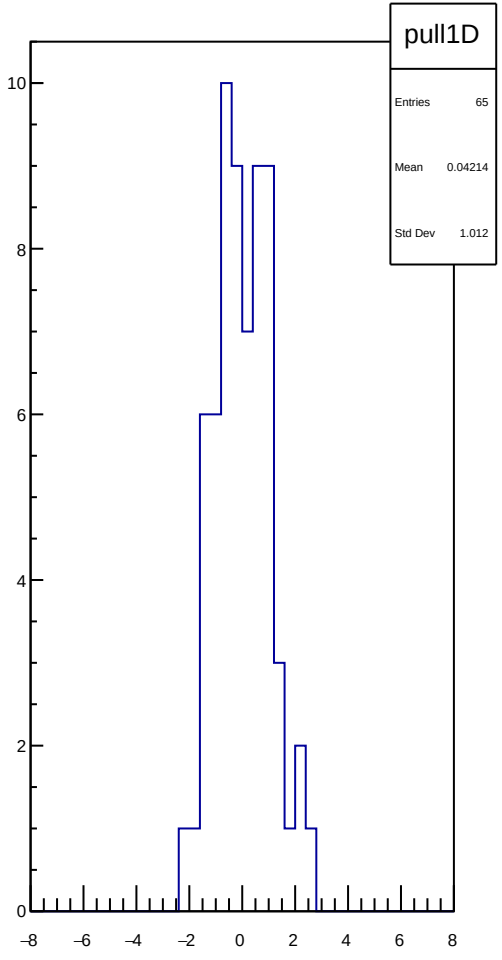

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.195e+05 / 64
p0 3.346e−11 ± 4.334e−14
0.6
0.5
0.4
0.3
0.2
0.1

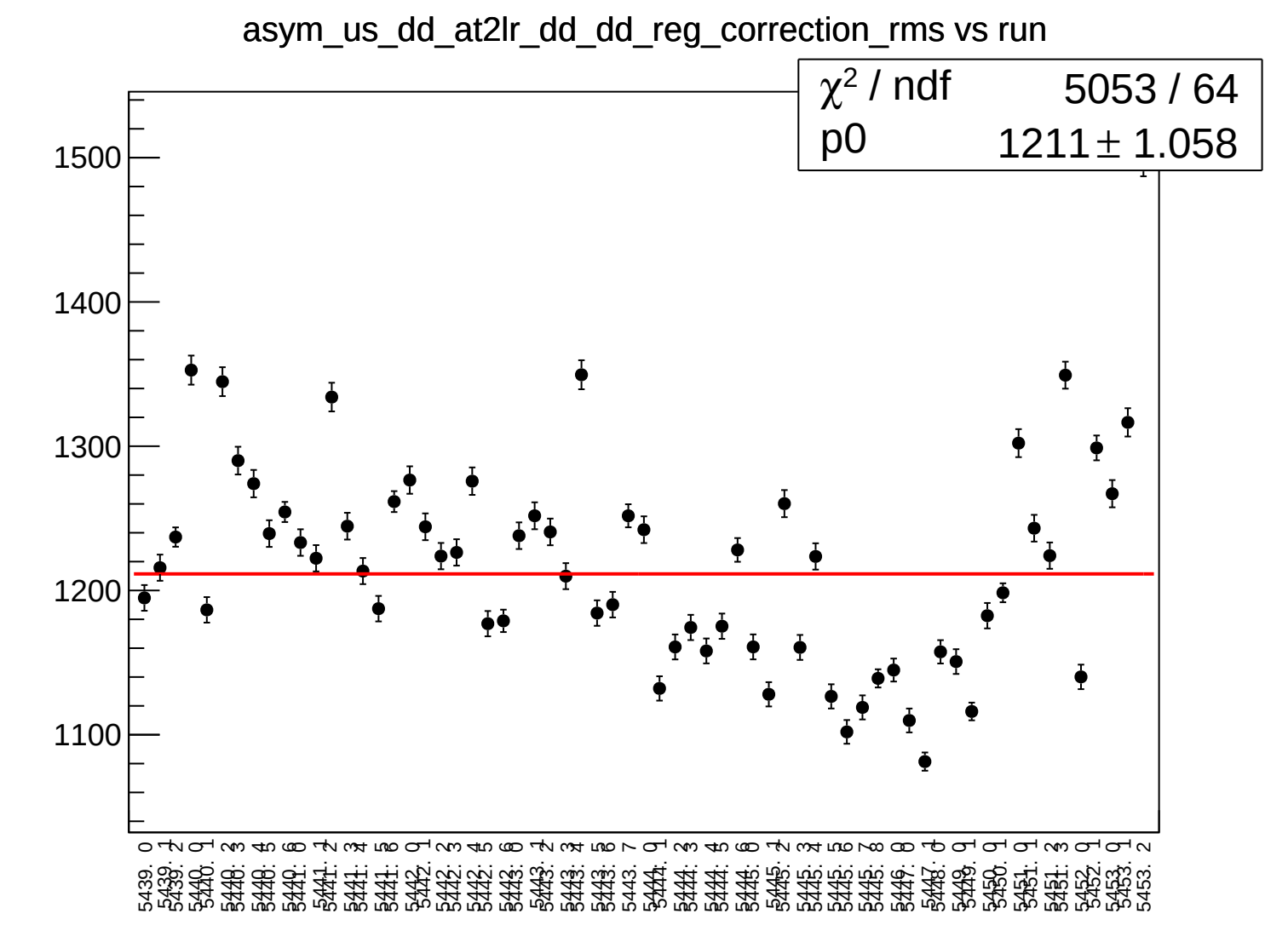

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 44.45 / 64
p0 −6293 ± 3209
pull
Entries 65
Mean 162
Std Dev 0

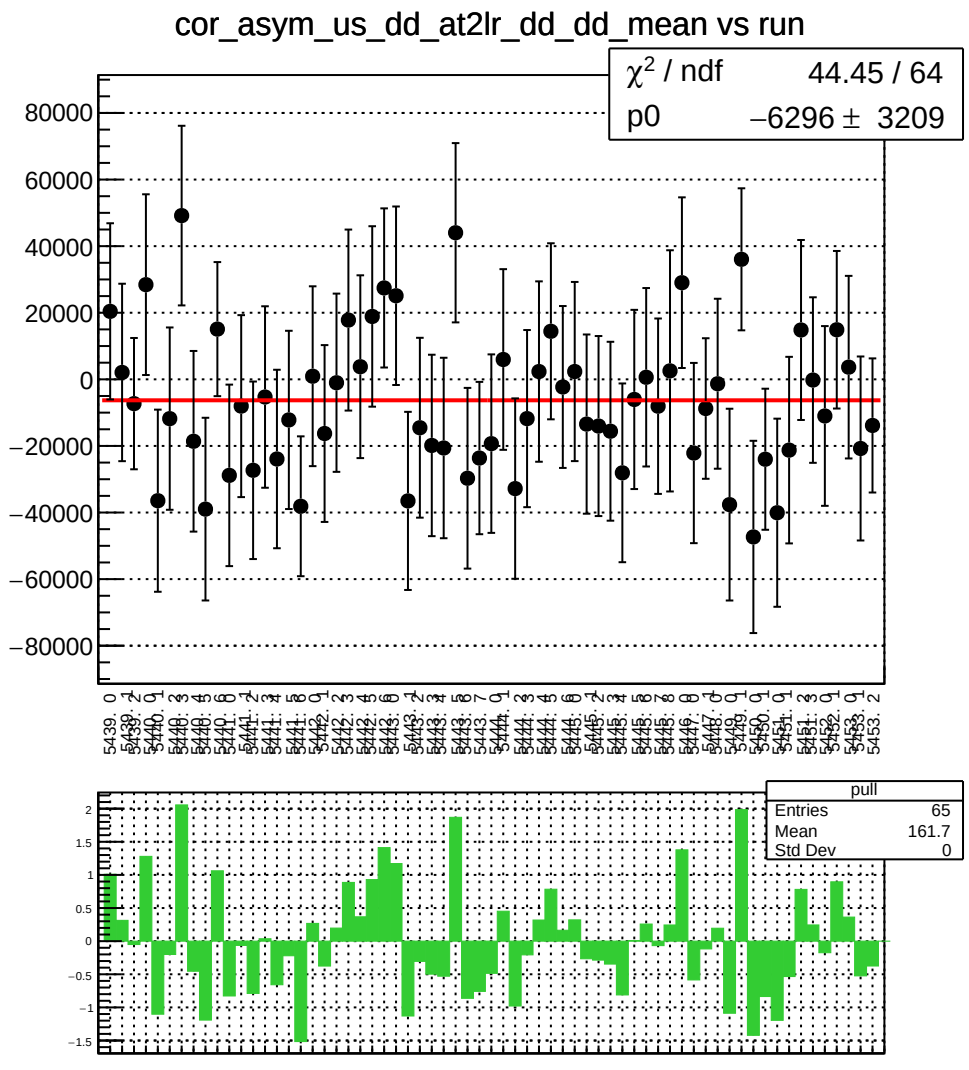

pull1D
Entries 65
Mean −0.008758
Std Dev 0.8269

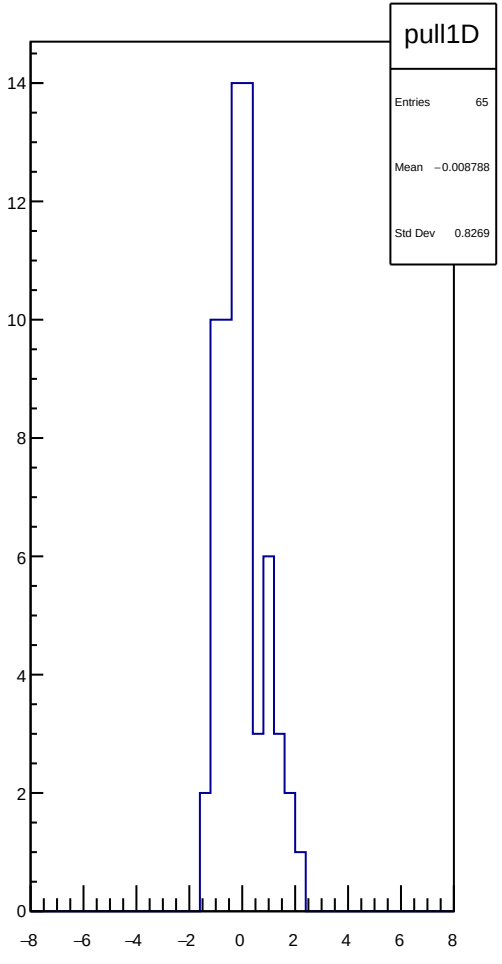

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 6960 / 64
p0 2595 ± 2.269
4500
4000
3500
3000
2500

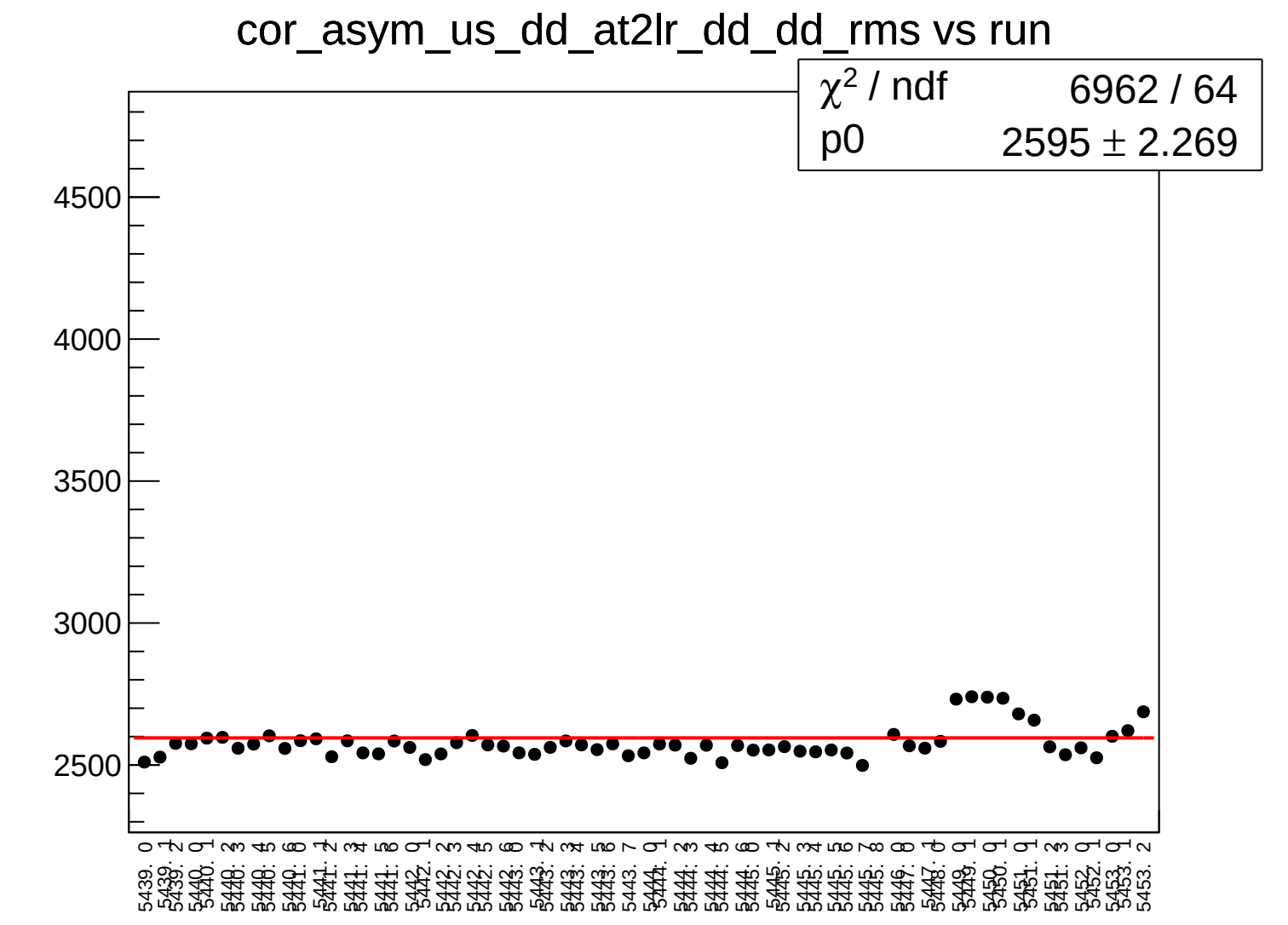

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 66.63 / 64
p0 2370 ± 1497
60000
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −31.13
Std Dev 0
2
1
0
−1
−2

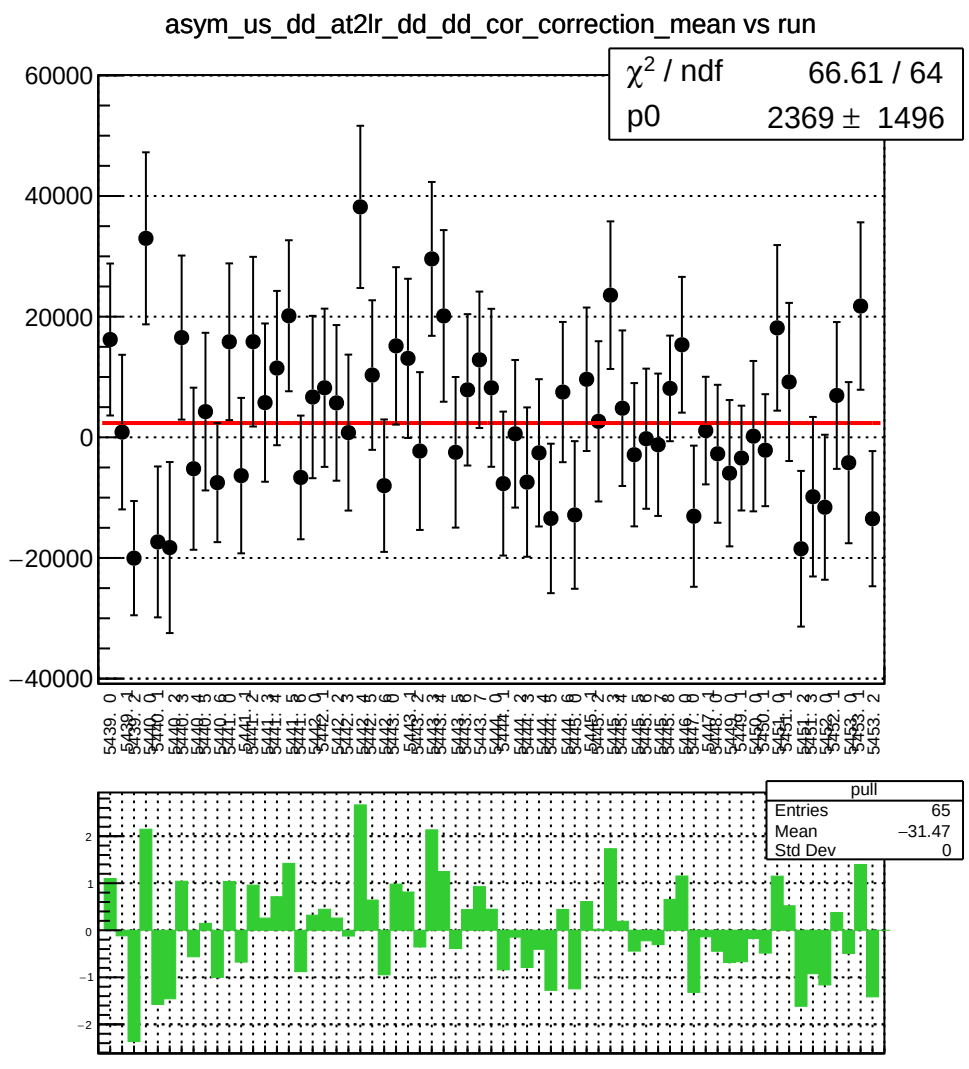

pull1D
Entries 65
Mean 0.04214
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

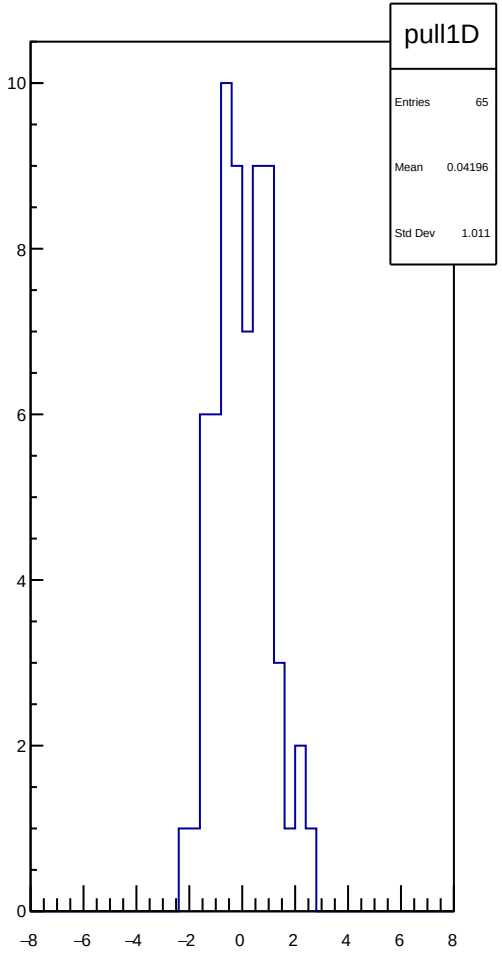

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 5053 / 64
p0 1211 ± 1.058
1500
1400
1300
1200
1100

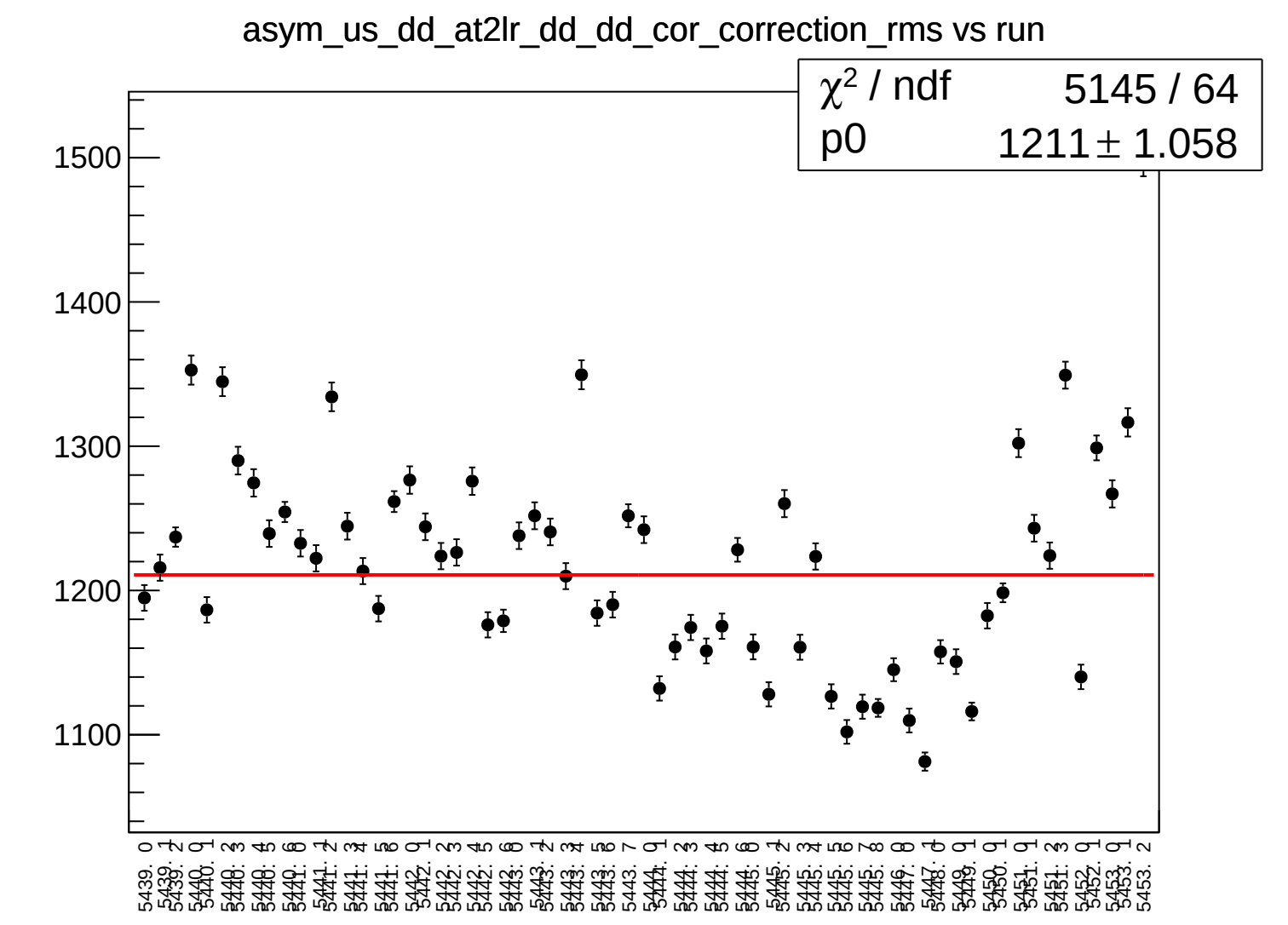

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 44.45 / 64
p0 −6296 ± 3209
pull
Entries 65
Mean 161.7
Std Dev 0

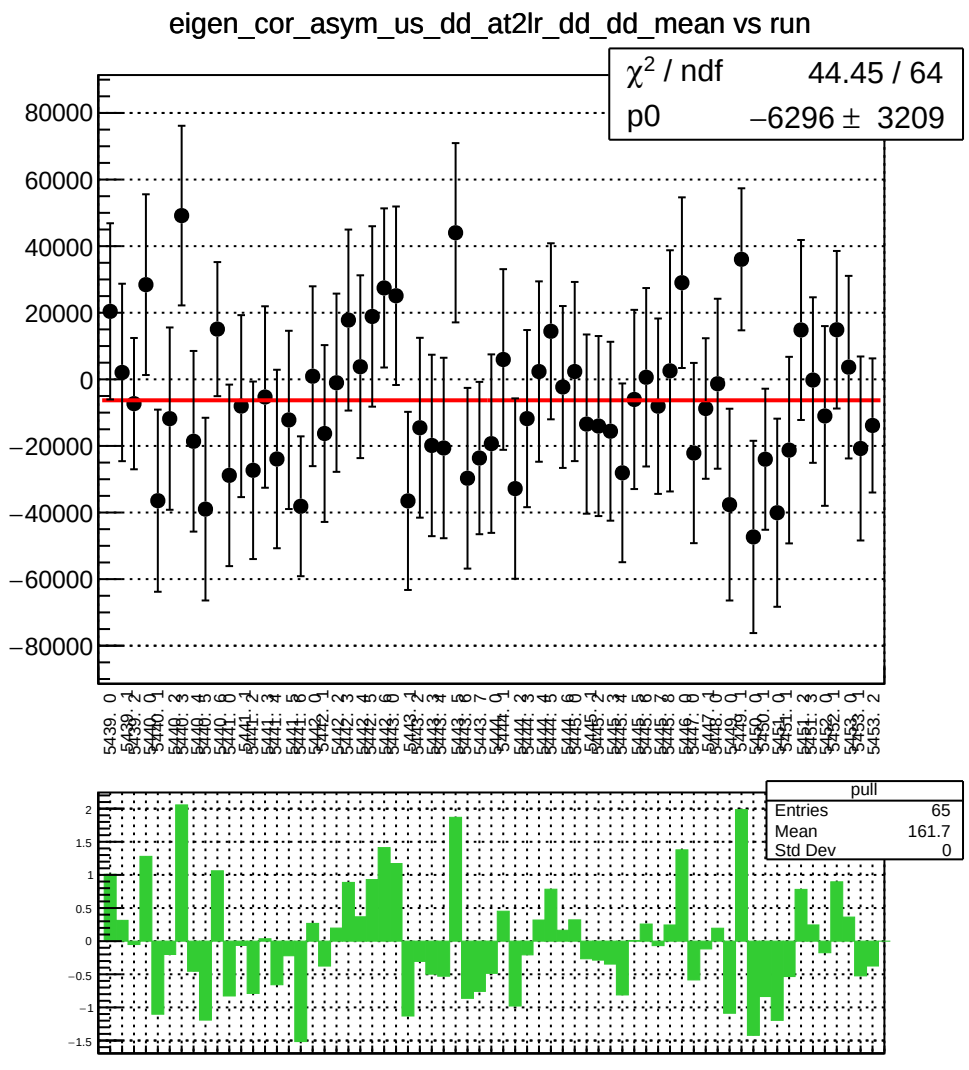

pull1D
Entries 65
Mean −0.008788
Std Dev 0.8269

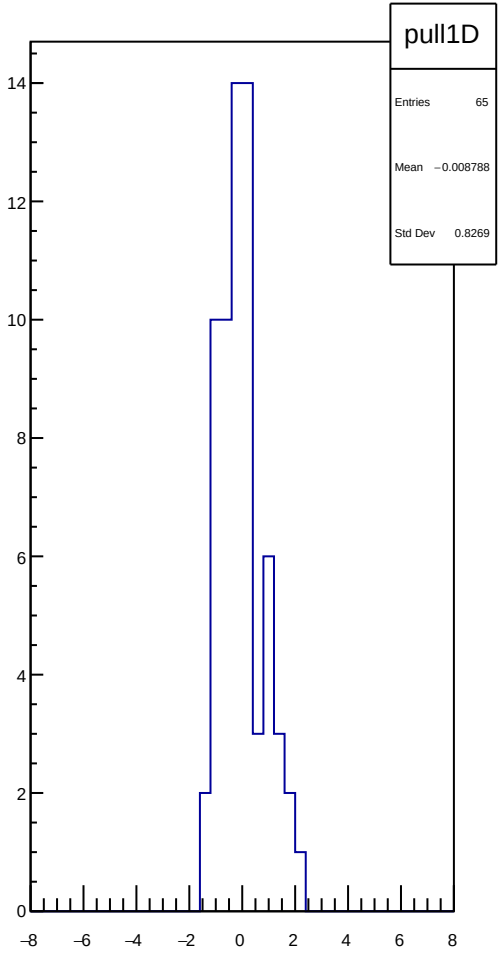

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 6962 / 64
p0 2595 ± 2.269
4500
4000
3500
3000
2500

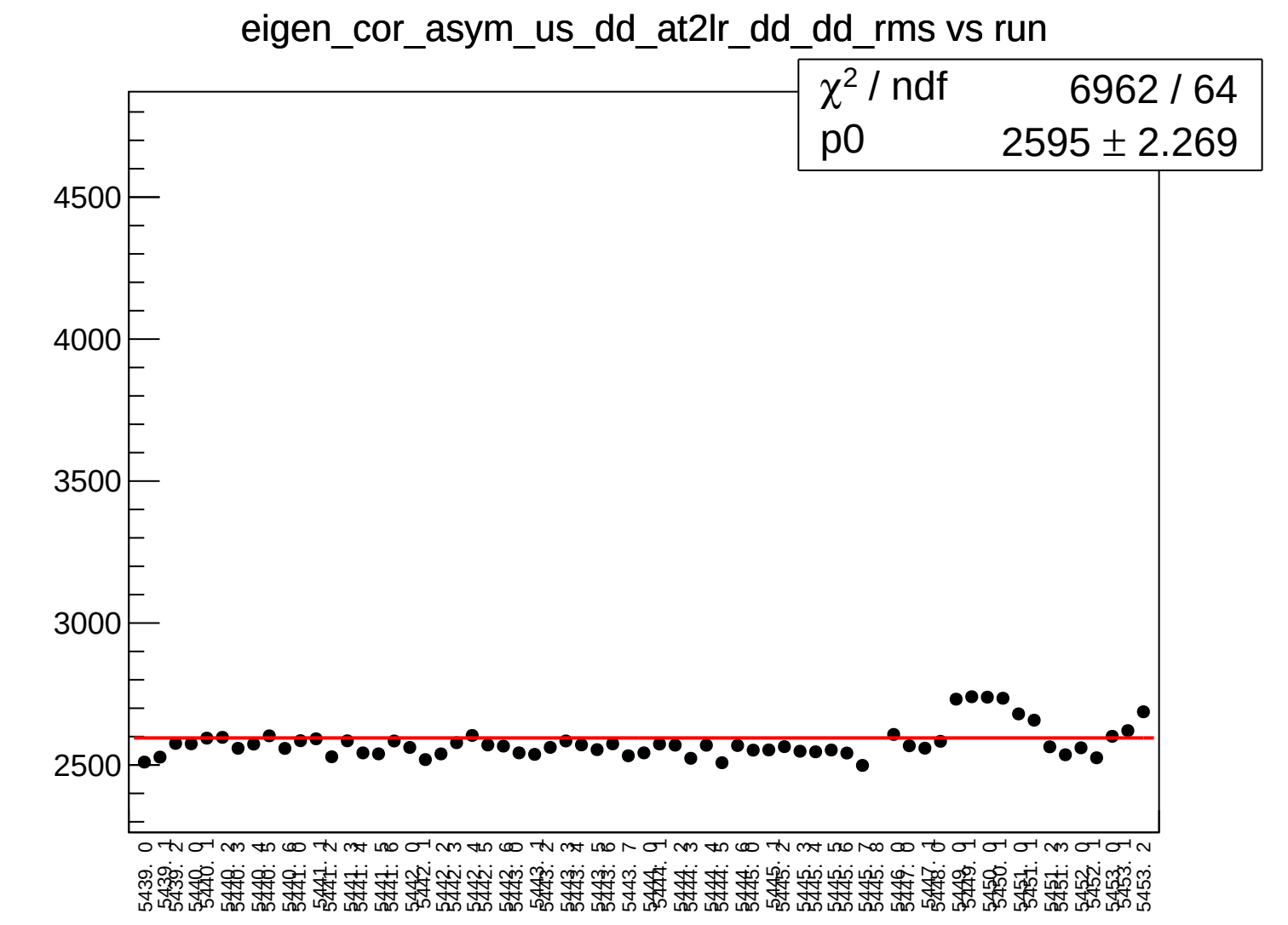

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 66.61 / 64
p0 2369 ± 1496
60000
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −31.47
Std Dev 0
2
1
0
−1
−2

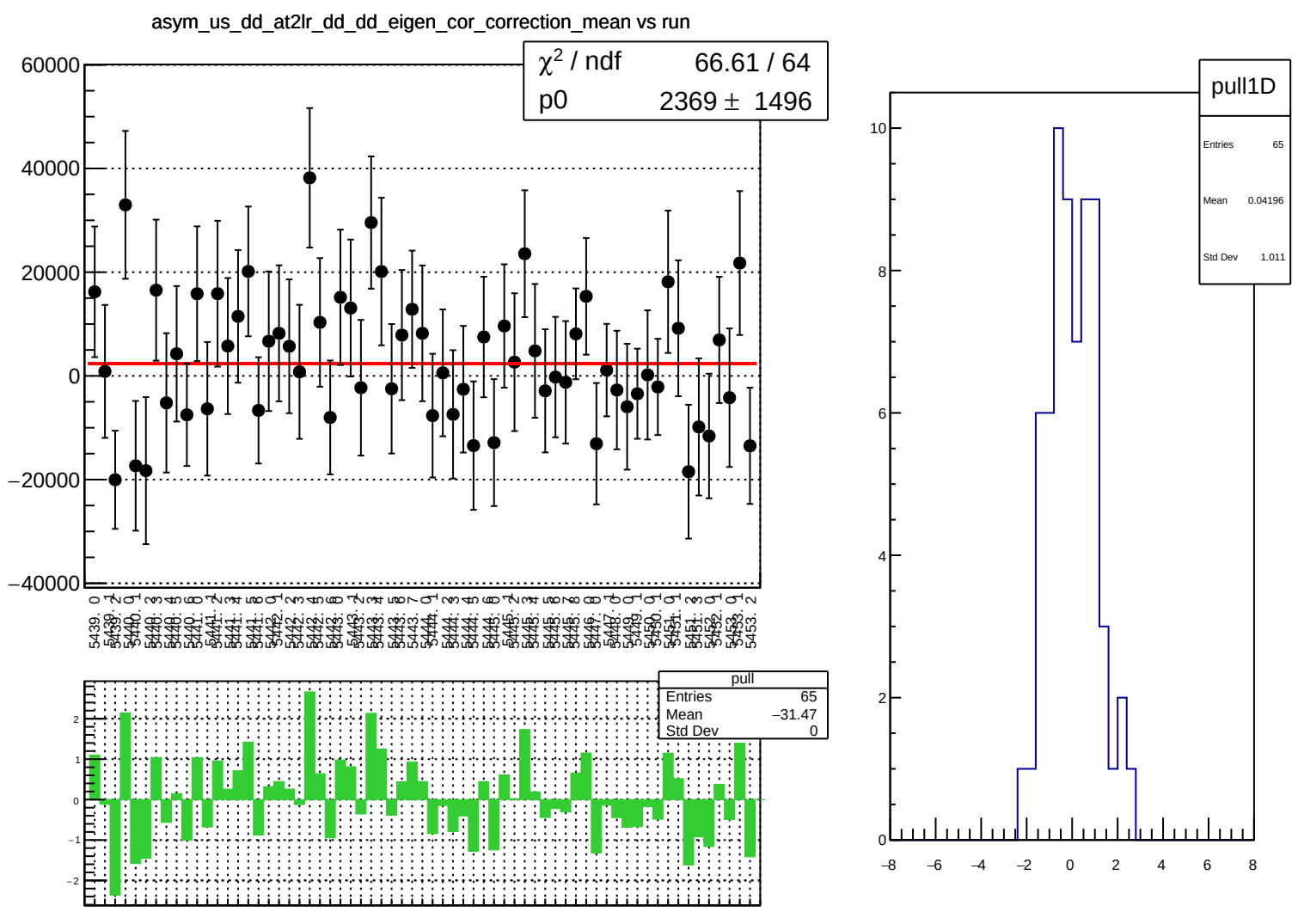

pull1D
Entries 65
Mean 0.04196
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

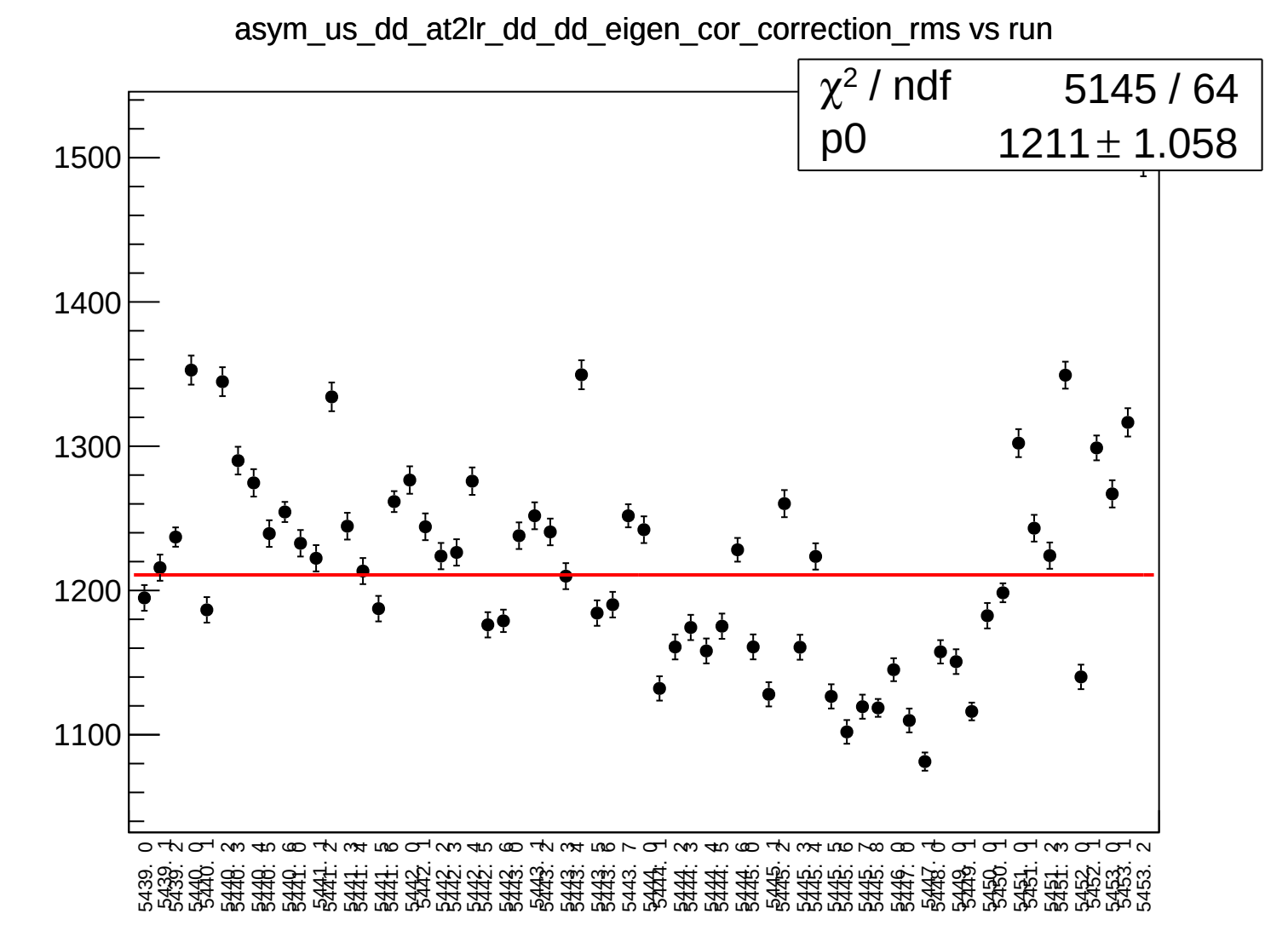

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 5145 / 64
p0 1211 ± 1.058
1500
1400
1300
1200
1100

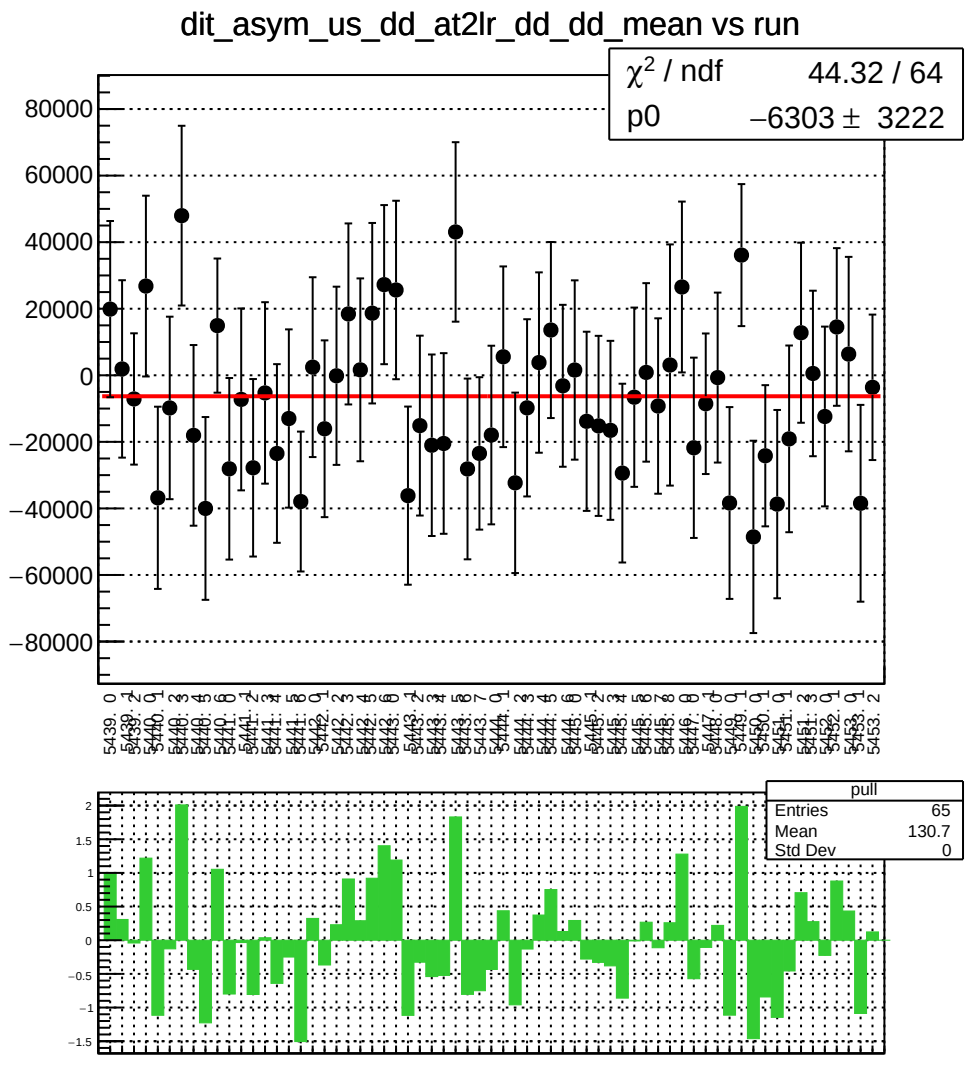

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 44.45 / 64
p0 −6296 ± 3209
pull
Entries 65
Mean 161.7
Std Dev 0

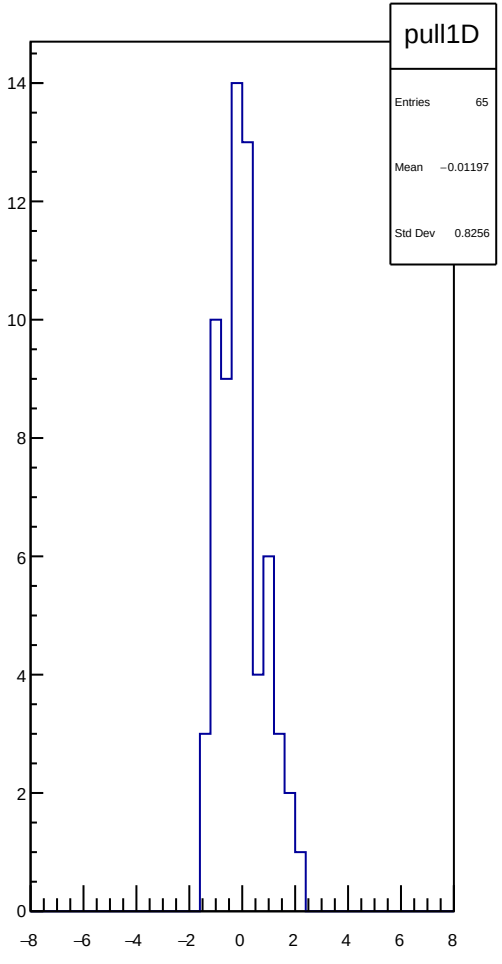

pull1D
Entries 65
Mean −0.008788
Std Dev 0.8269

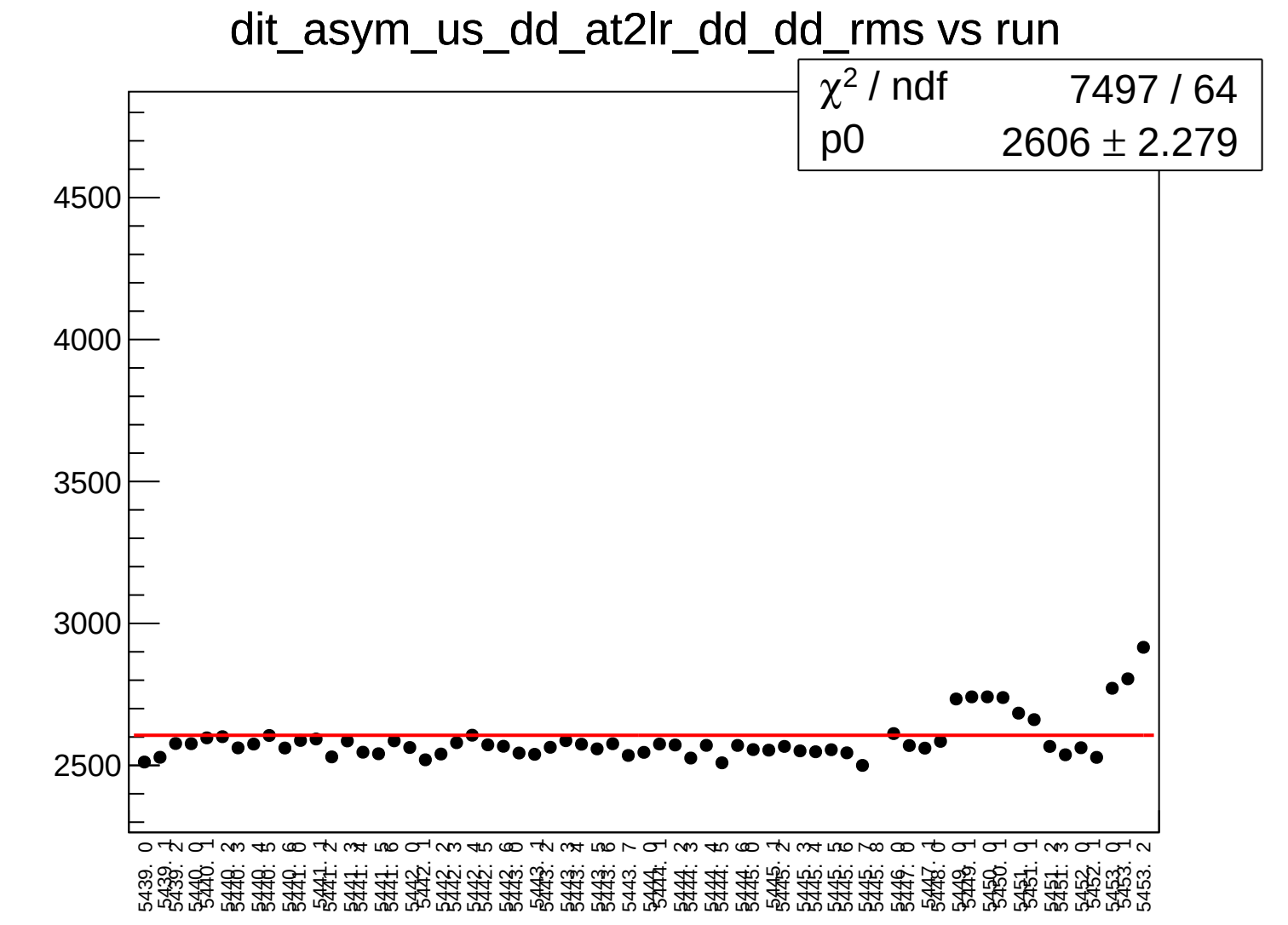

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 6962 / 64
p0 2595 ± 2.269
4500
4000
3500
3000
2500

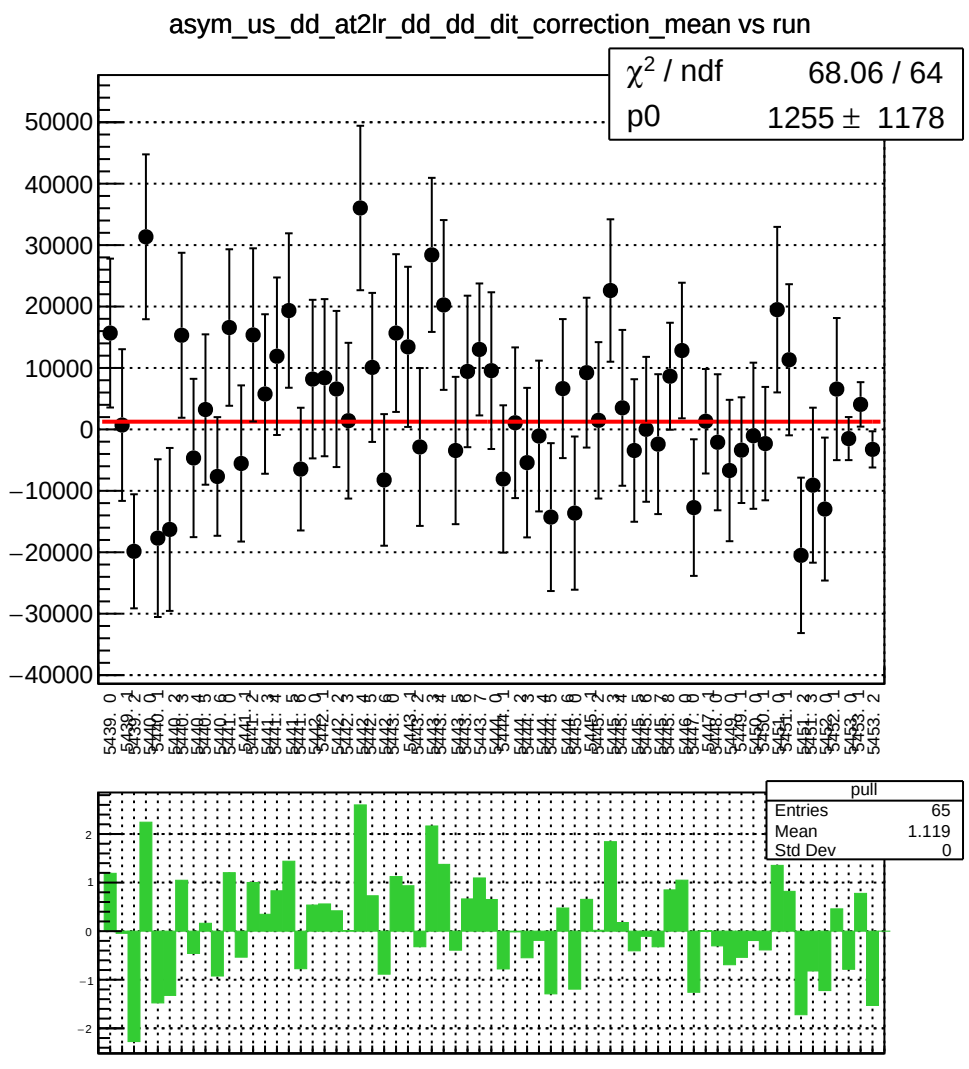

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.61 / 64
p0 2369 ± 1496
pull
Entries 65
Mean −31.47
Std Dev 0
pull1D
Entries 65
Mean 0.04196
Std Dev 1.011

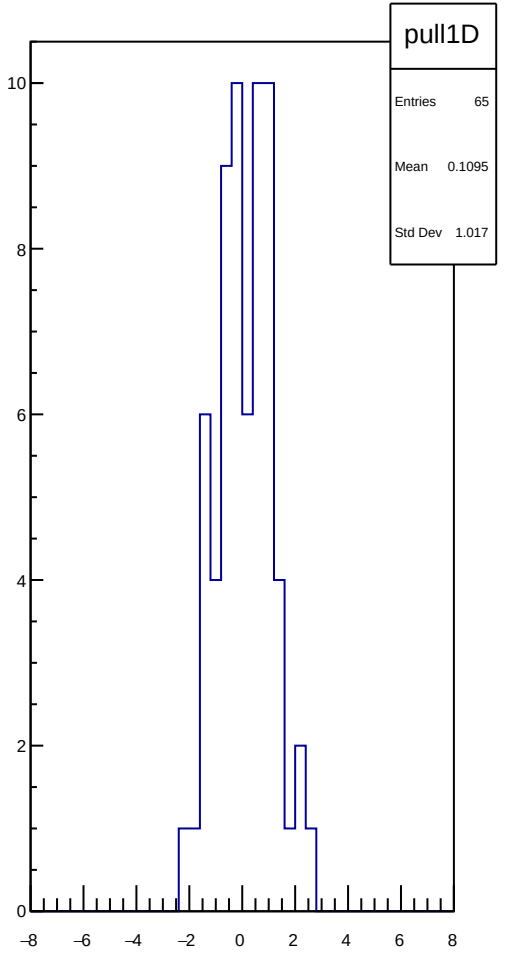

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5145 / 64
p0 1211 ± 1.058
1500
1400
1300
1200
1100

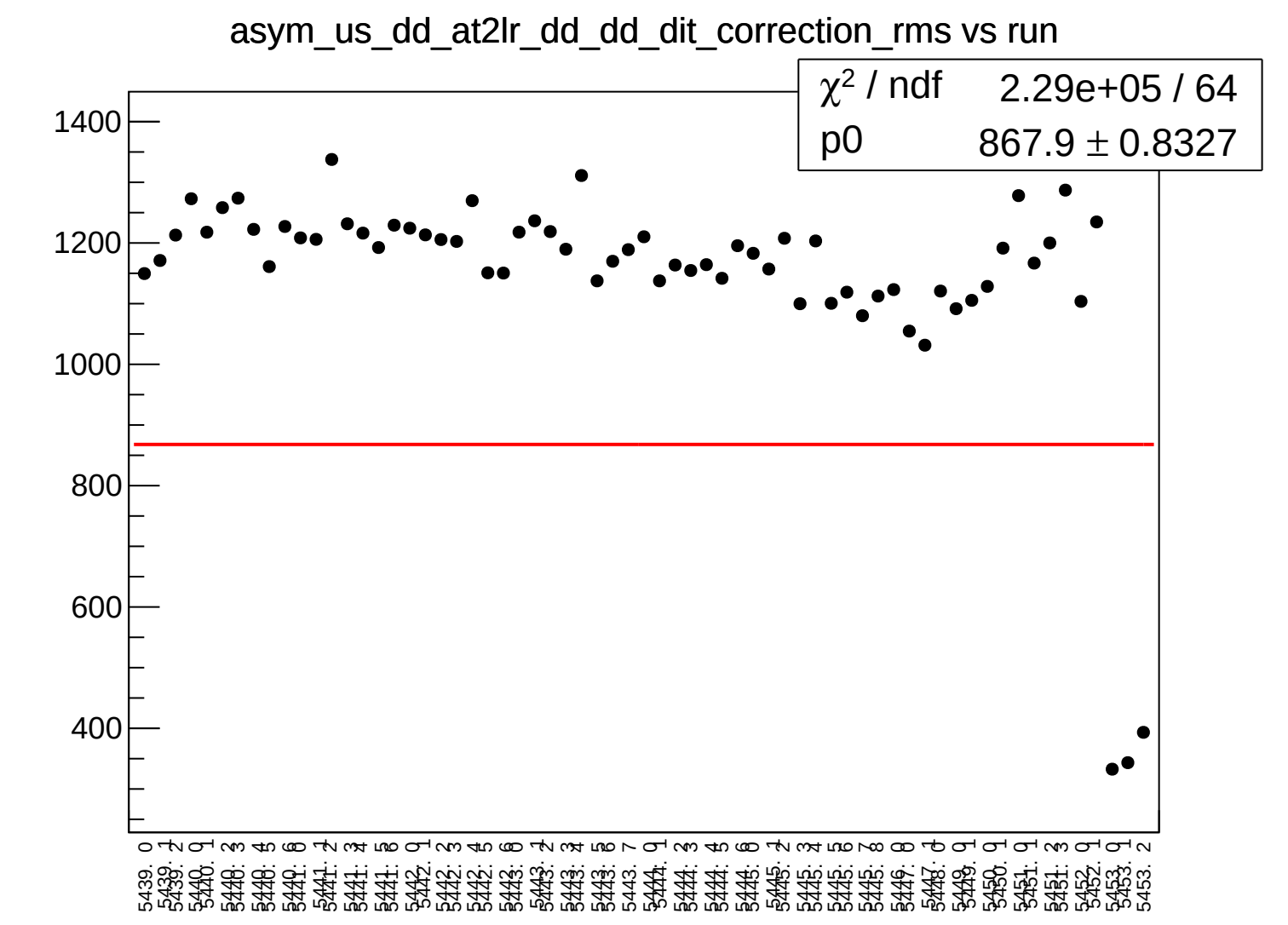

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 44.32 / 64
p0 −6303 ± 3222
pull
Entries 65
Mean 130.7
Std Dev 0

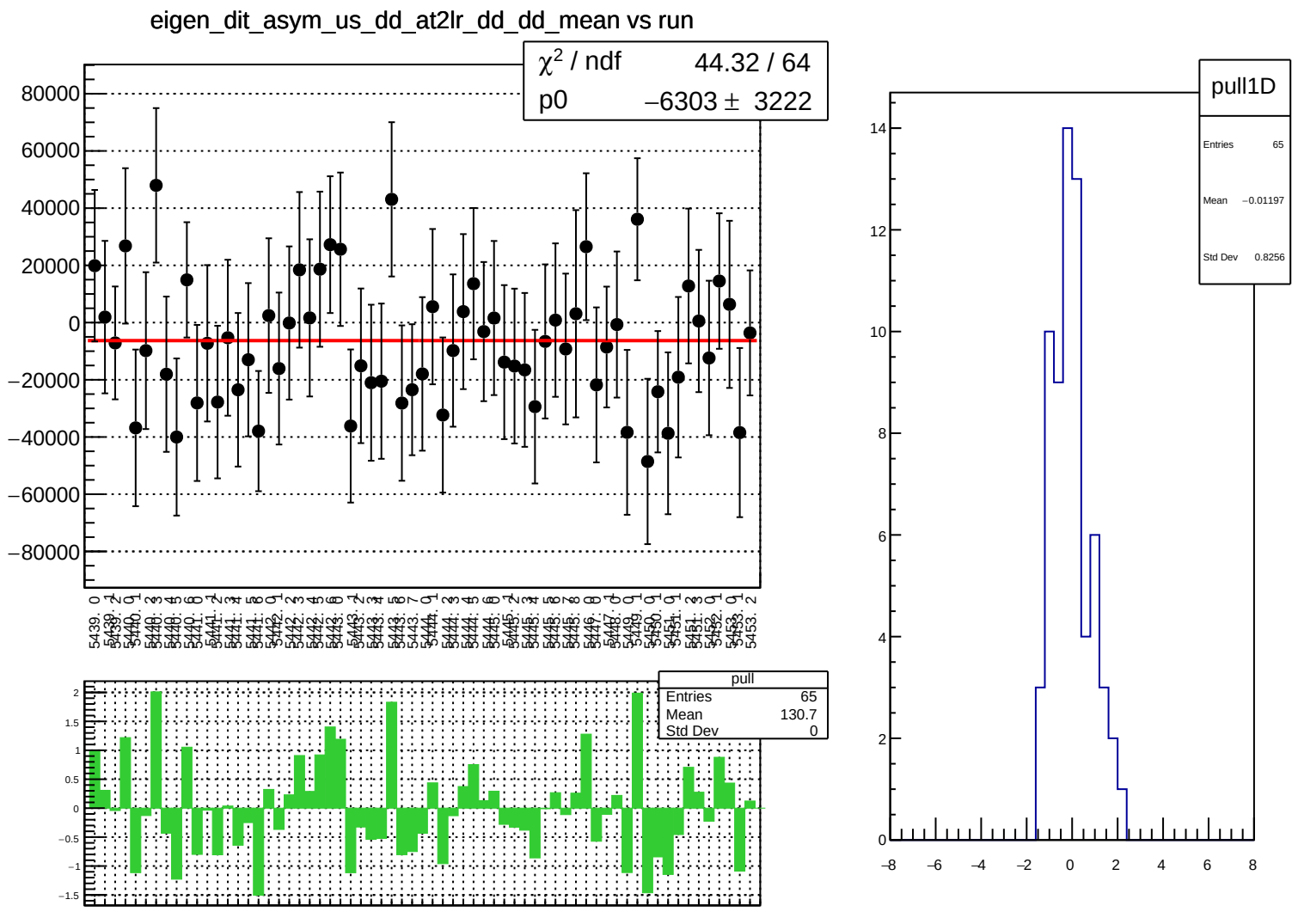

pull1D
Entries 65
Mean −0.01197
Std Dev 0.8256

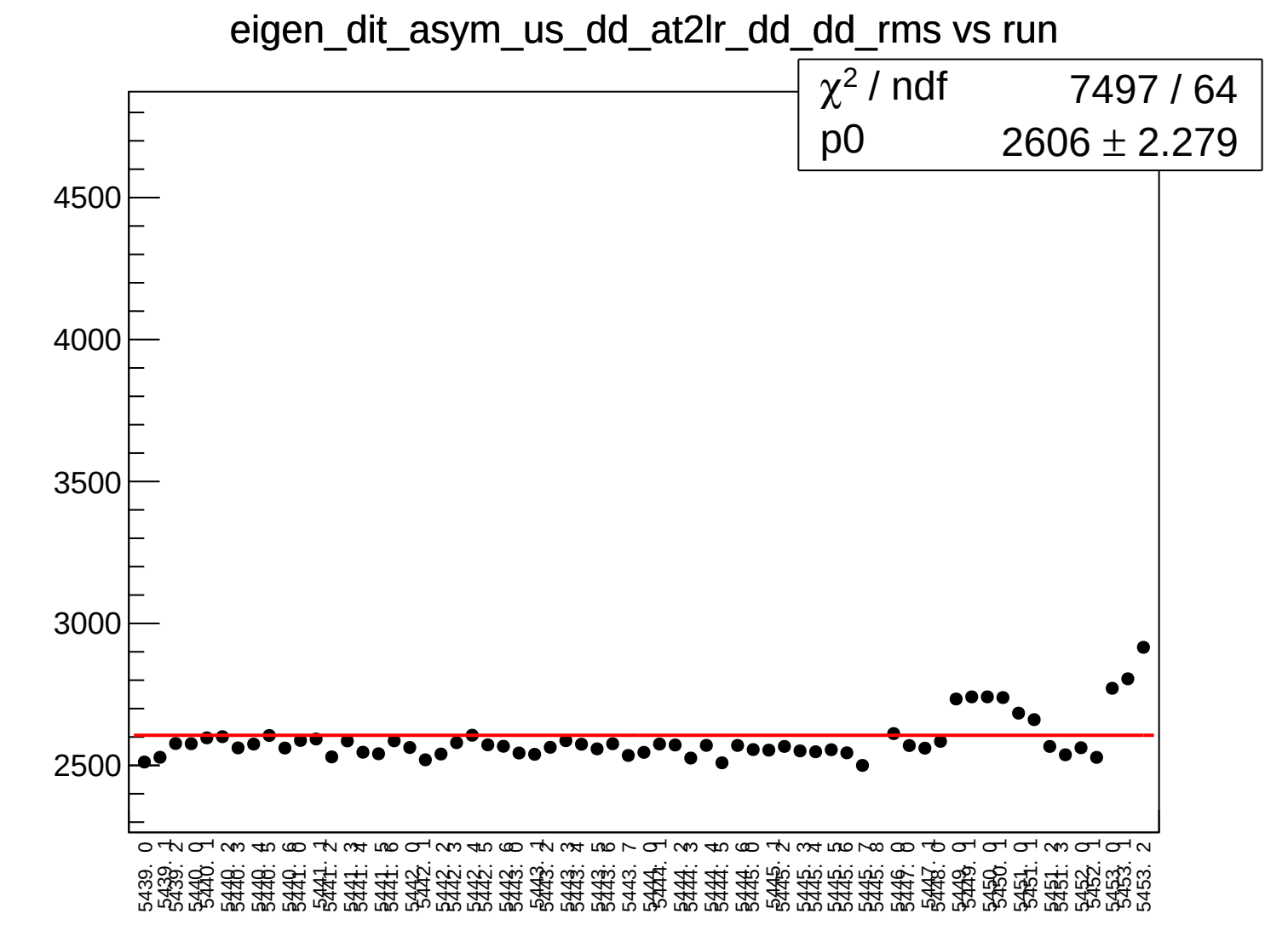

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 7497 / 64
p0 2606 ± 2.279
4500
4000
3500
3000
2500

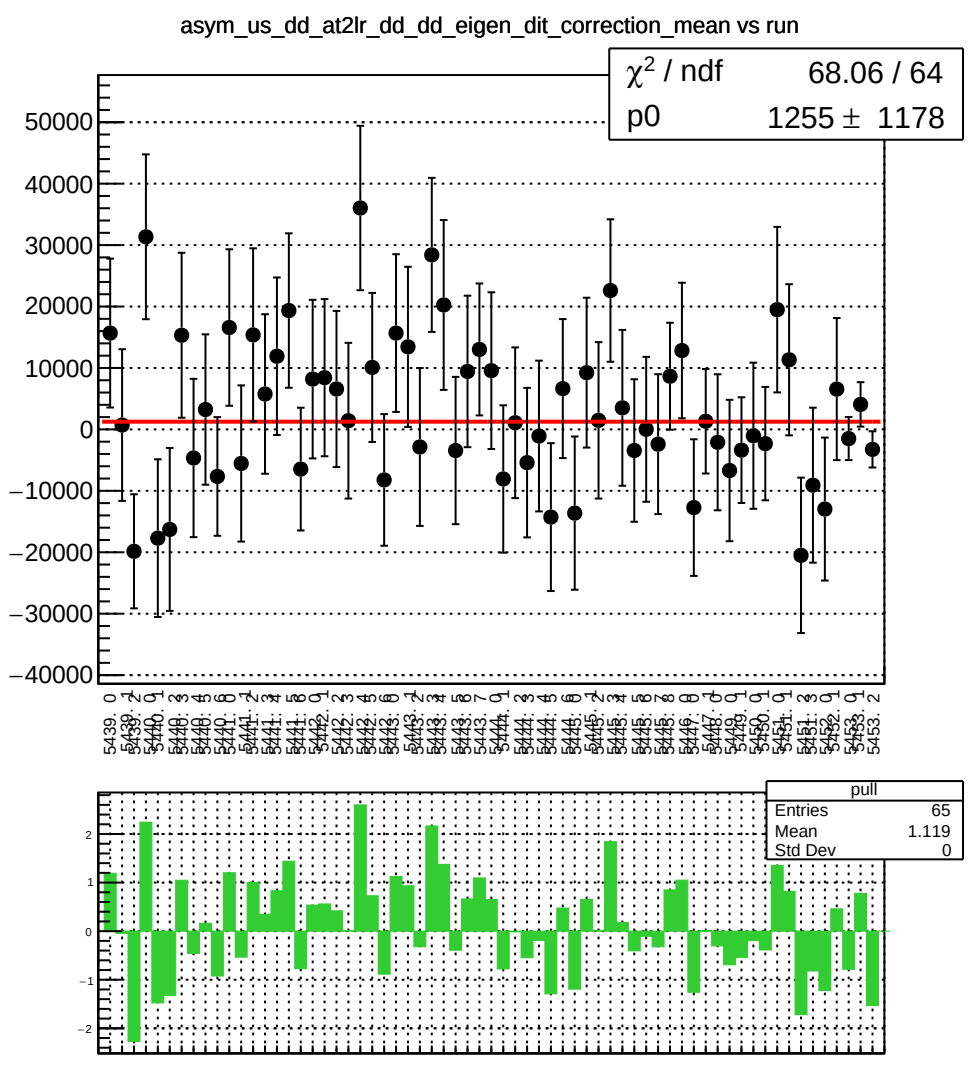

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 68.06 / 64
p0 1255 ± 1178
pull
Entries 65
Mean 1.119
Std Dev 0

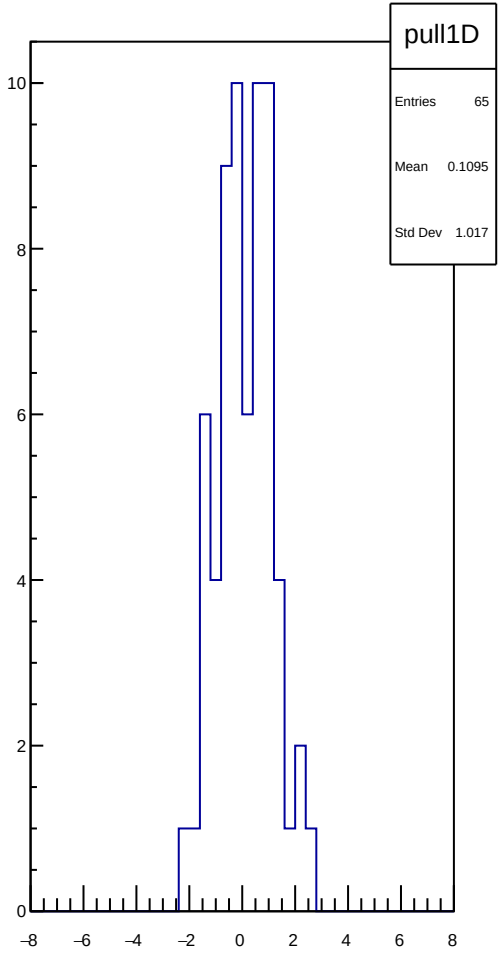

pull1D
Entries 65
Mean 0.1095
Std Dev 1.017

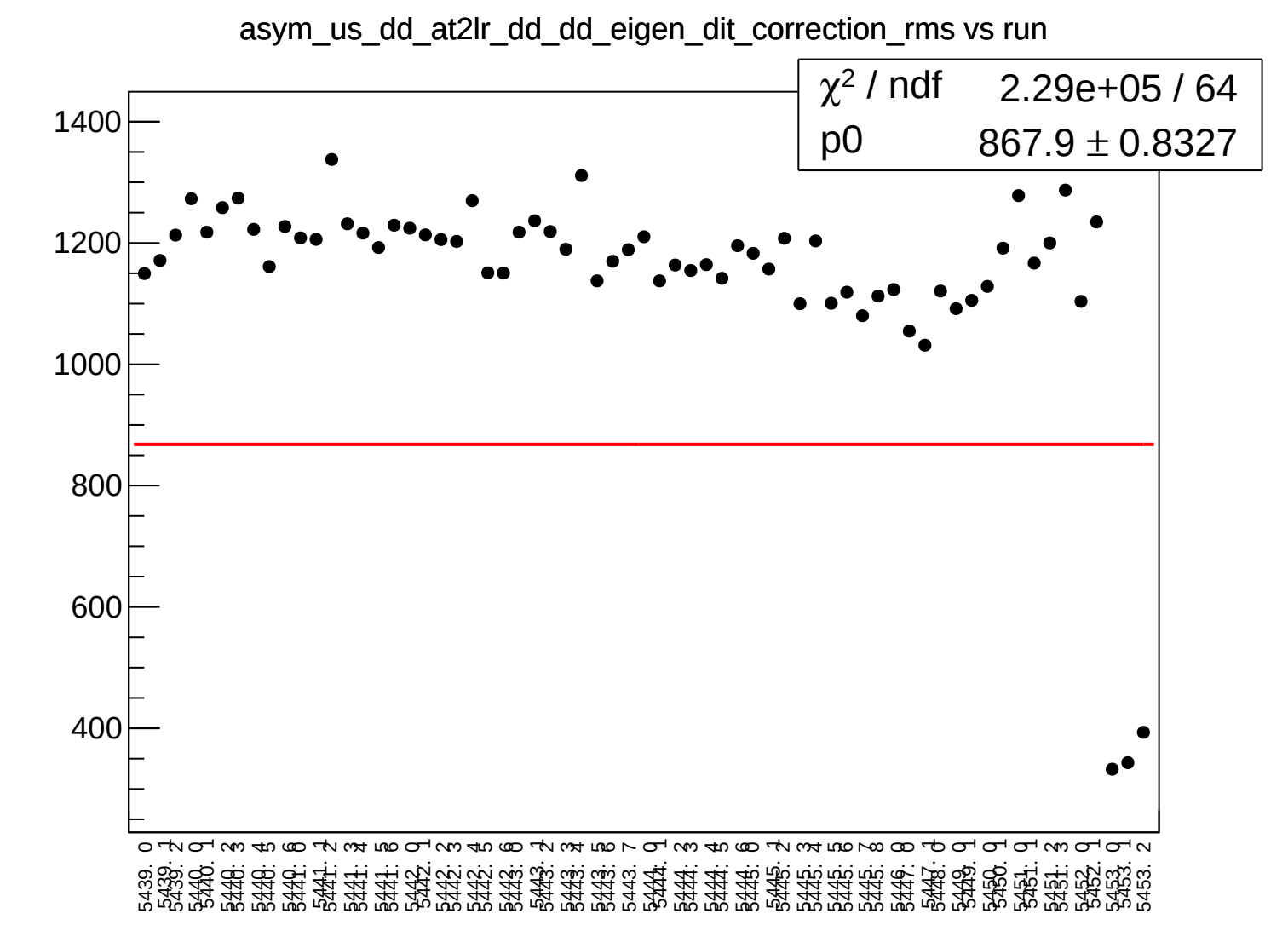

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2.29e+05 / 64
p0 867.9 ± 0.8327
1400
1200
1000
800
600
400

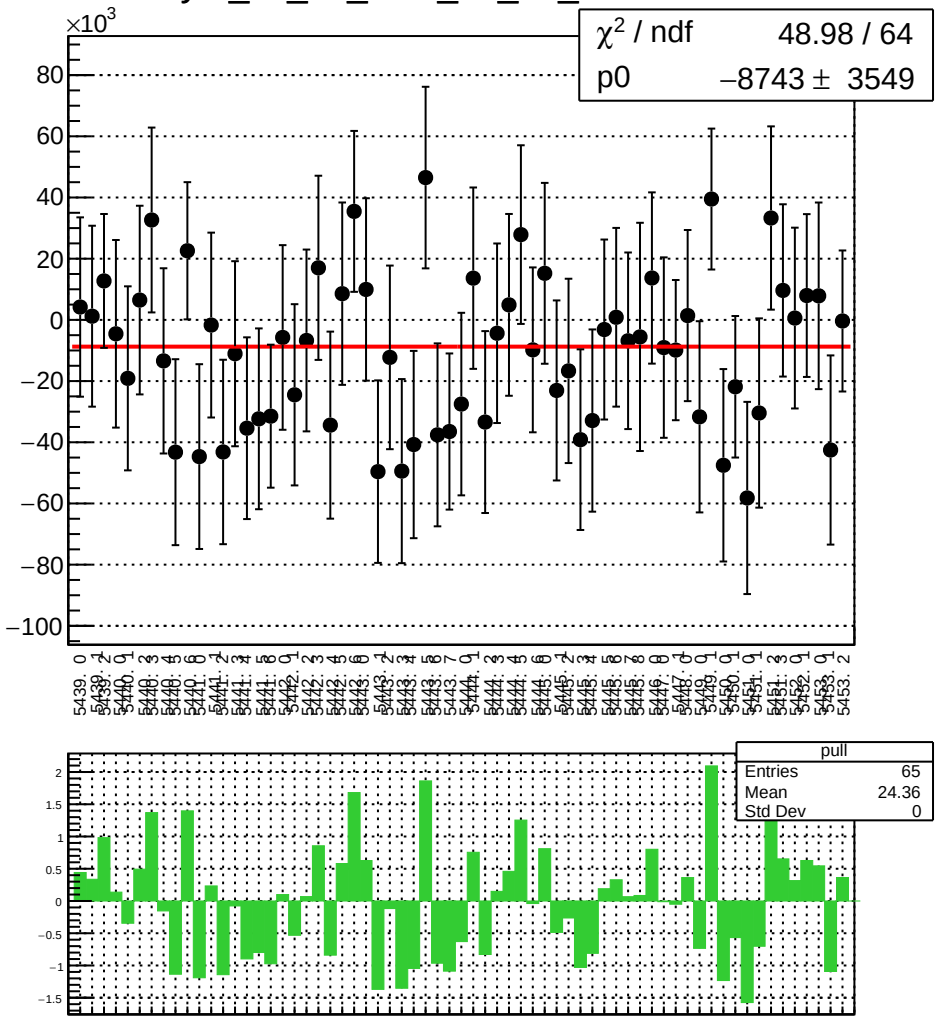

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 44.32 / 64
p0 −6303 ± 3222
pull
Entries 65
Mean 130.7
Std Dev 0
pull1D
Entries 65
Mean −0.01197
Std Dev 0.8256

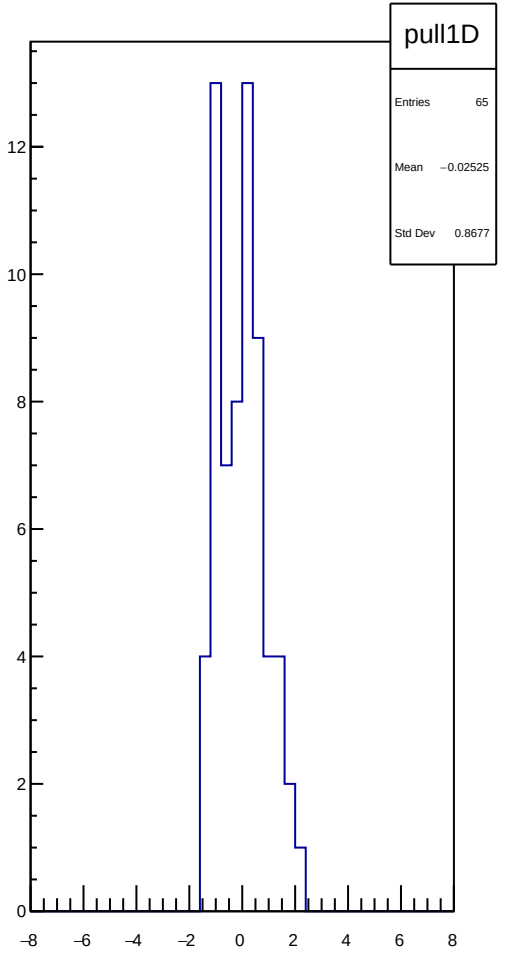

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 7497 / 64
p0 2606 ± 2.279
4500
4000
3500
3000
2500

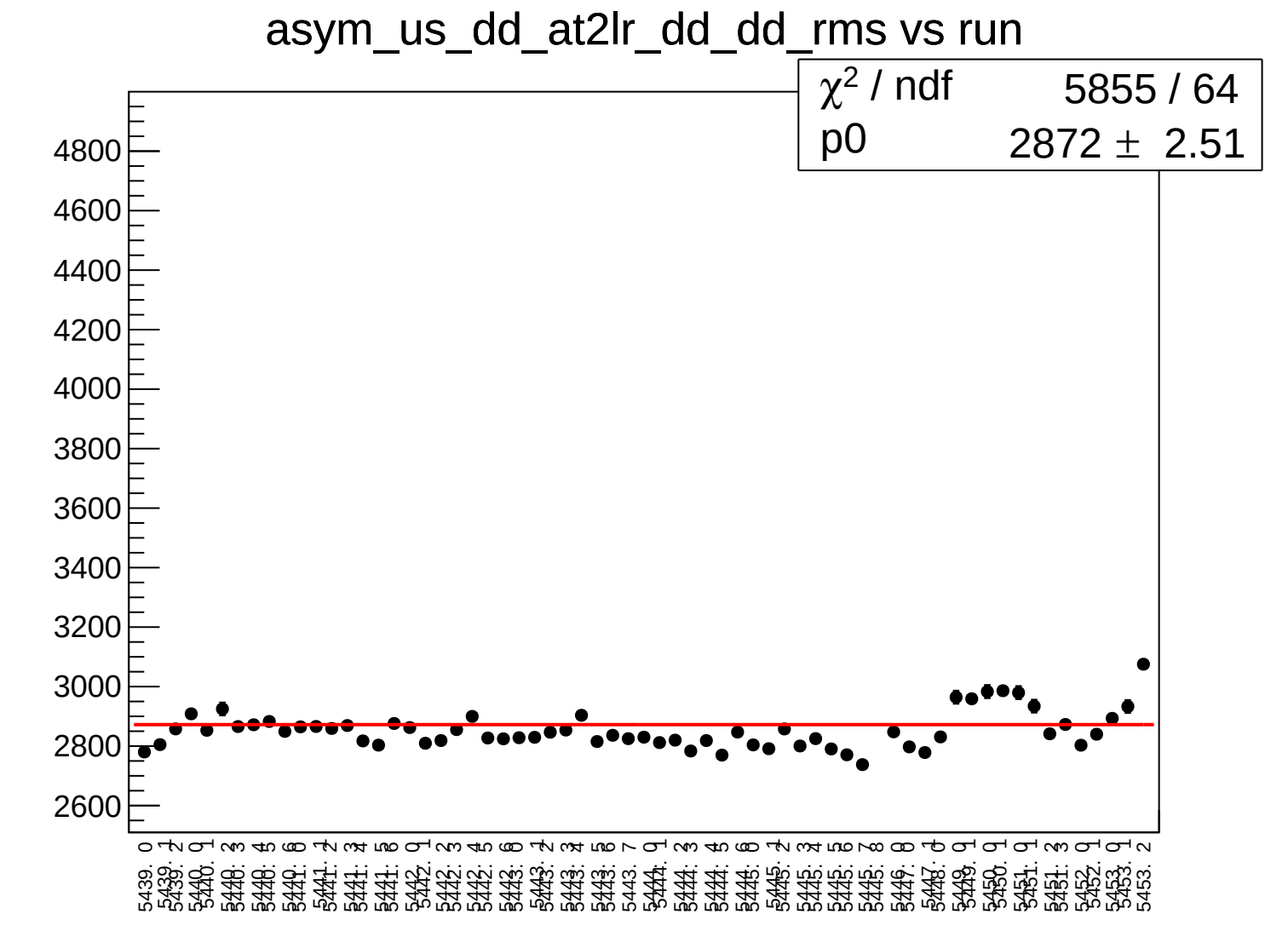

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.06 / 64
p0 1255 ± 1178
pull
Entries 65
Mean 1.119
Std Dev 0

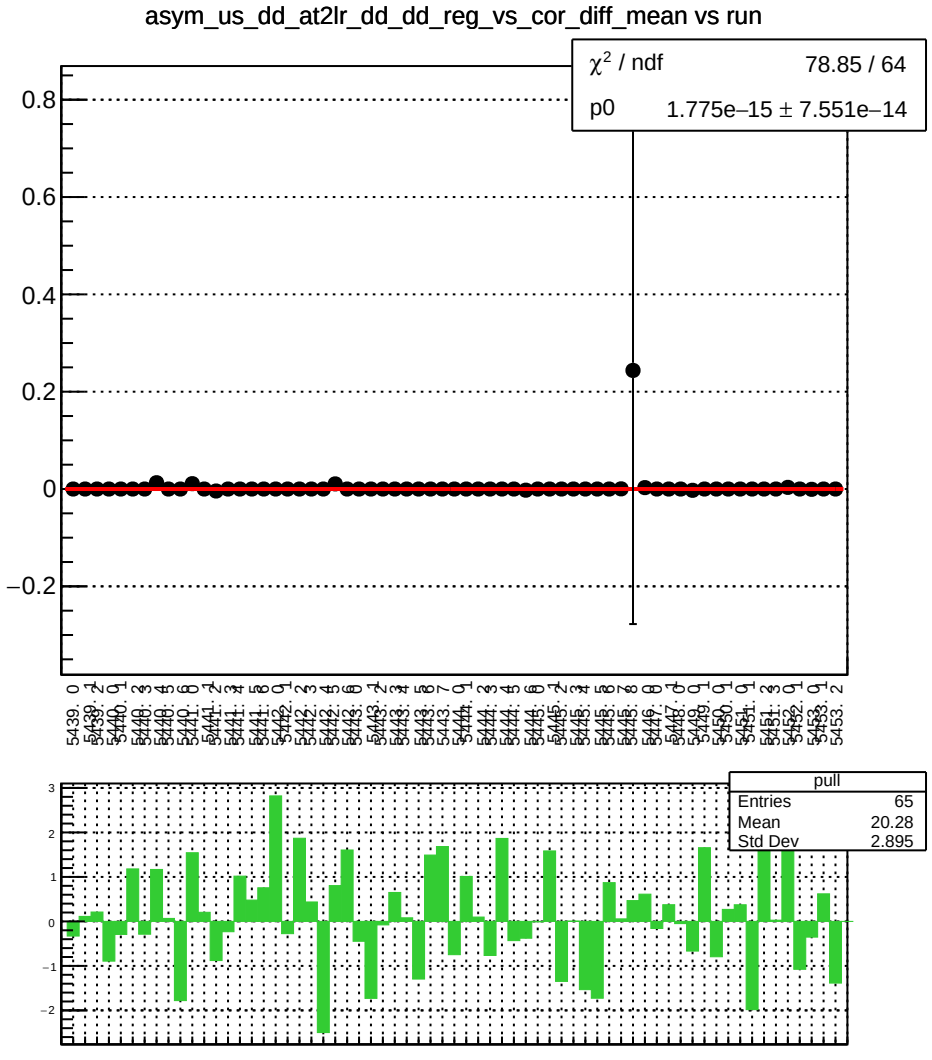

pull1D
Entries 65
Mean 0.1095
Std Dev 1.017

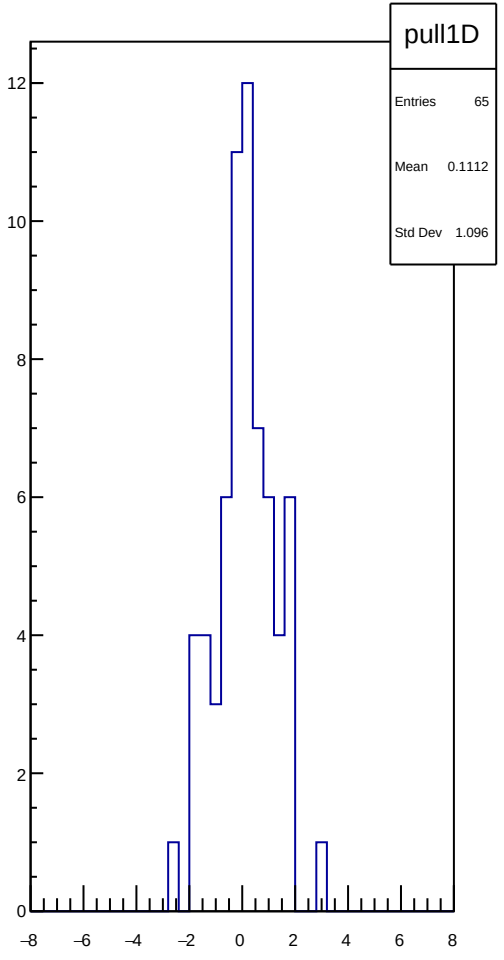

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.29e+05 / 64
p0 867.9 ± 0.8327
1400
1200
1000
800
600
400
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

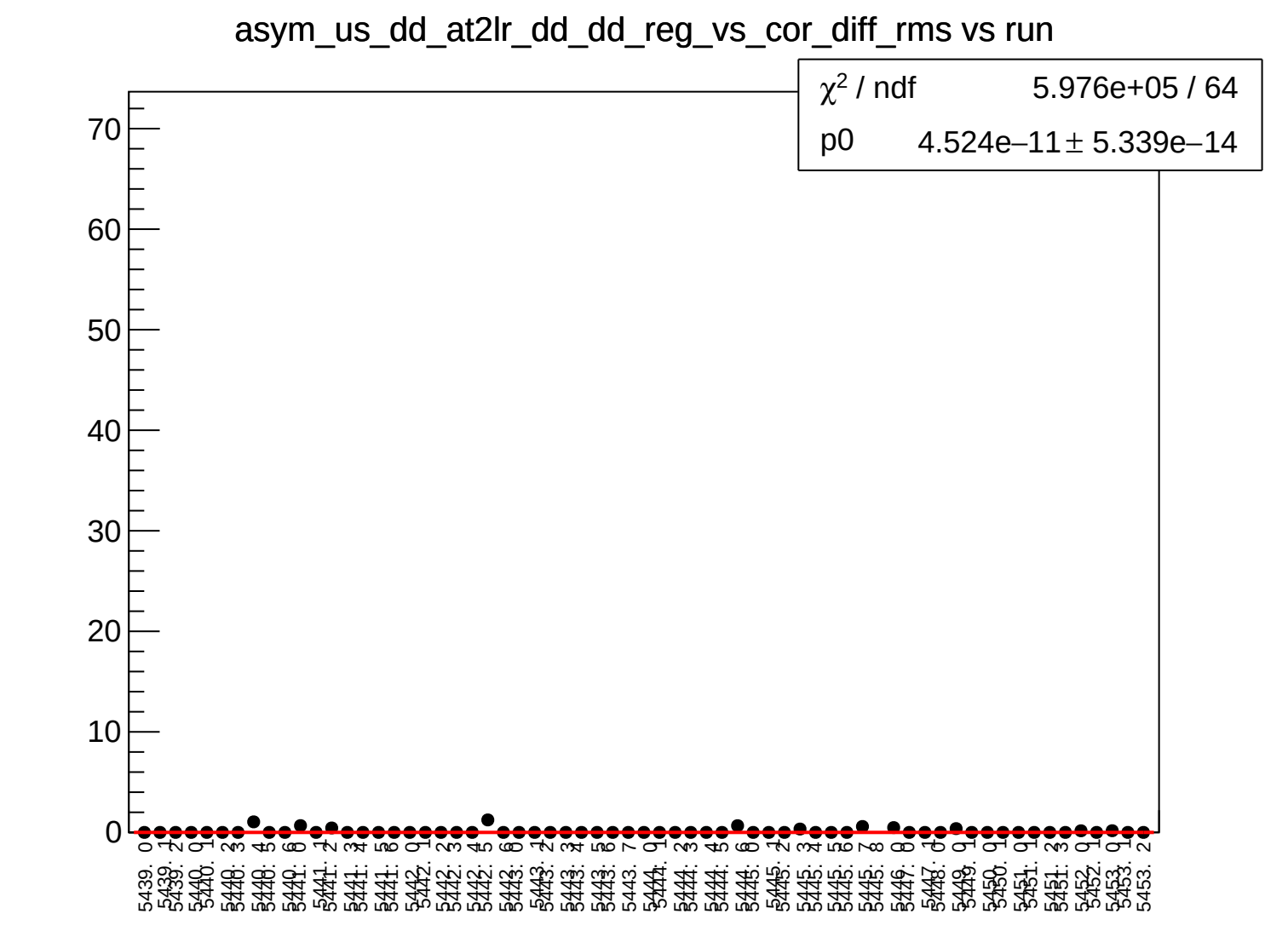

asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ^2 / ndf 48.98 / 64
p0 −8743 ± 3549
pull
Entries 65
Mean 24.36
Std Dev 0

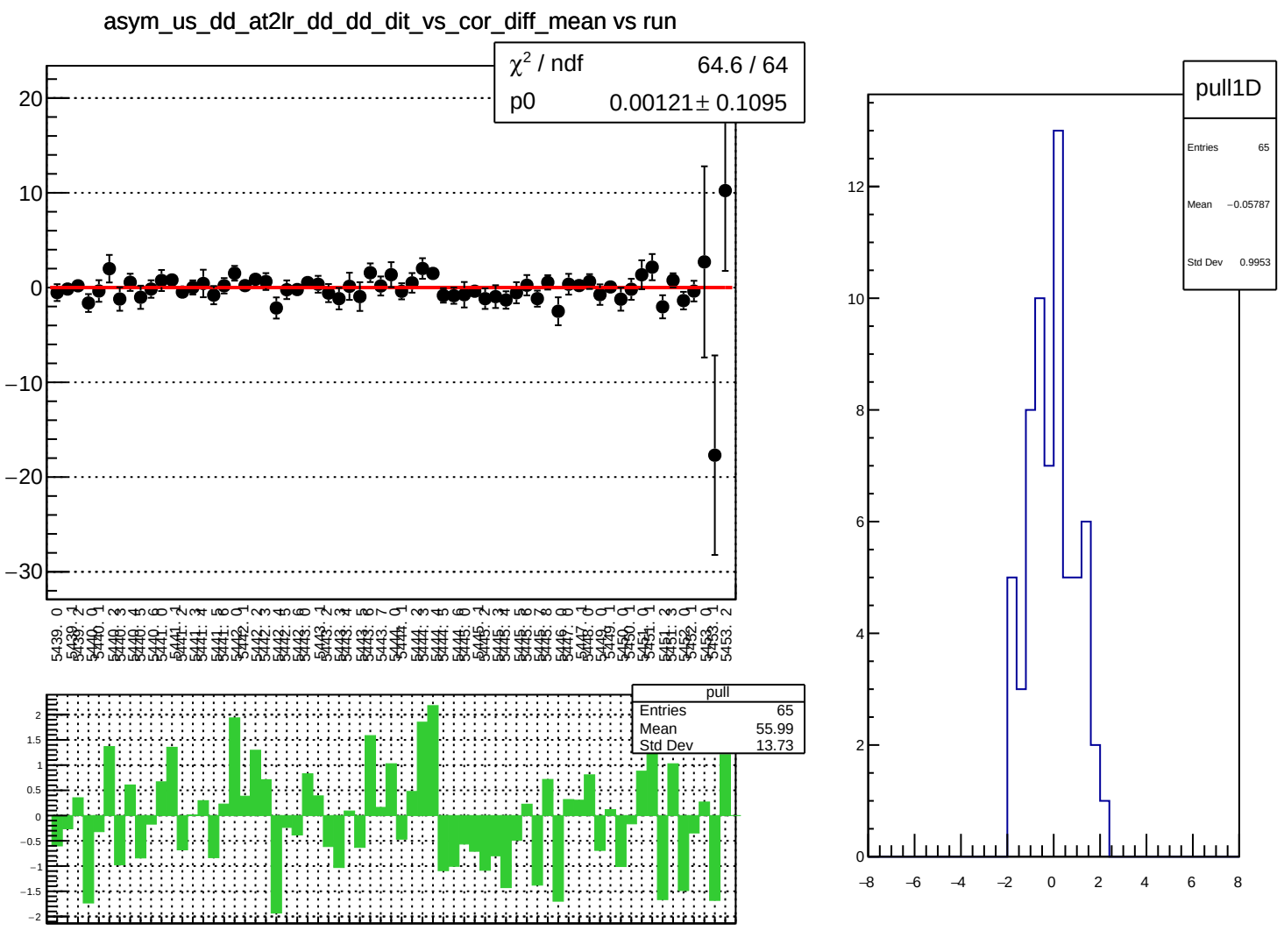

pull1D
Entries 65
Mean −0.02525
Std Dev 0.8677

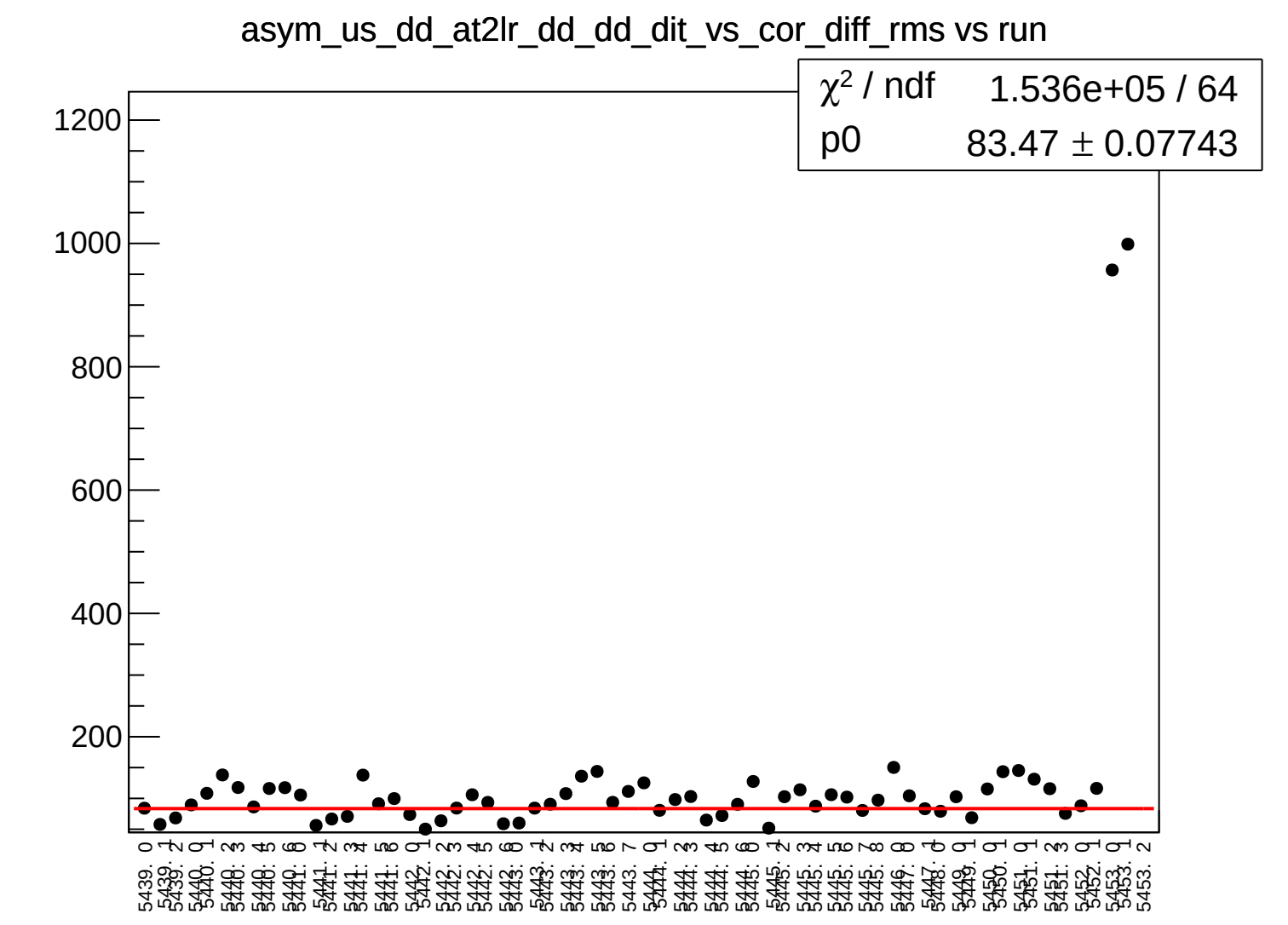

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 5855 / 64
p0 2872 ± 2.51
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600

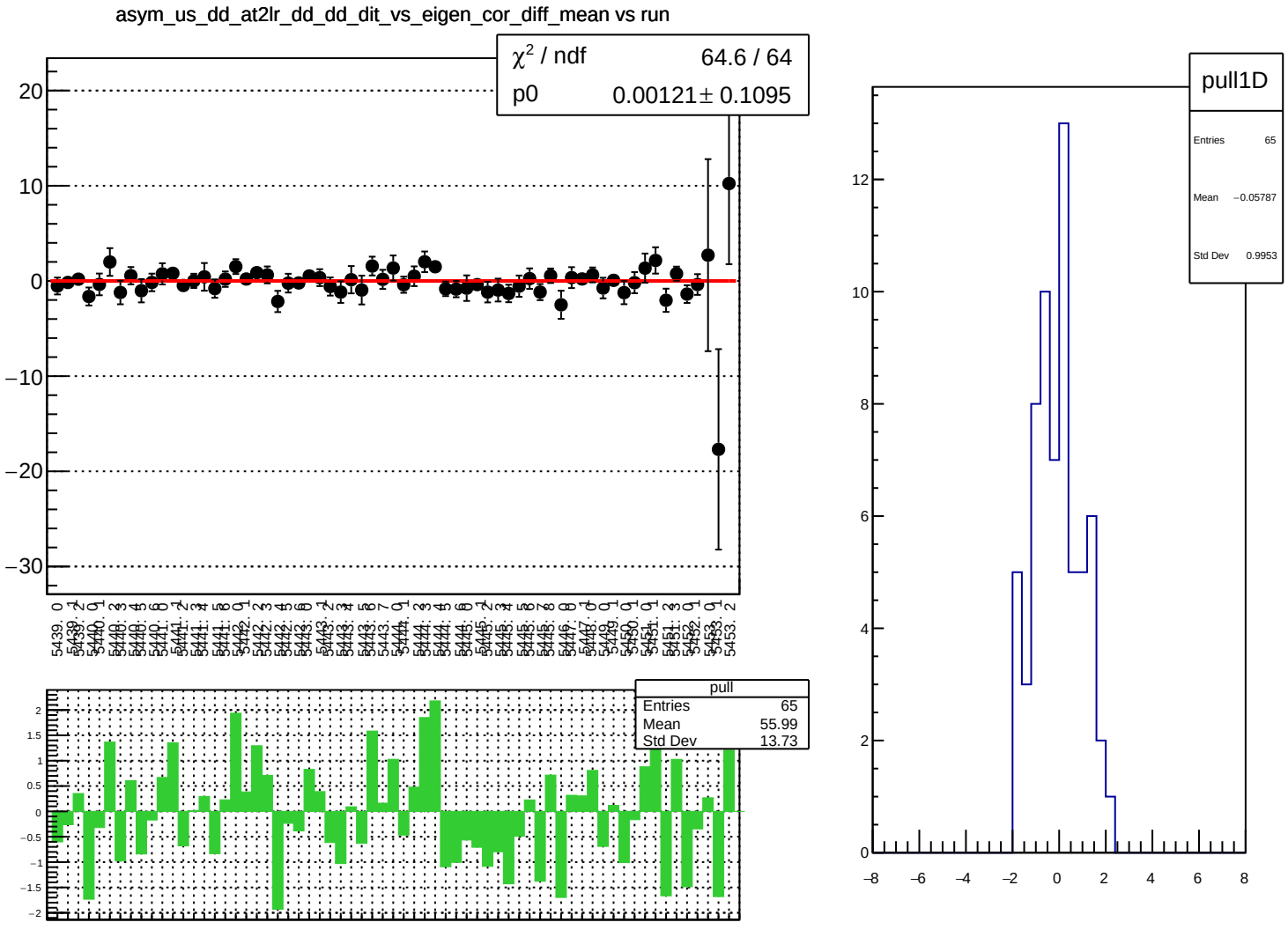

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 78.85 / 64
p0 1.775e−15 ± 7.551e−14
pull
Entries 65
Mean 20.28
Std Dev 2.895

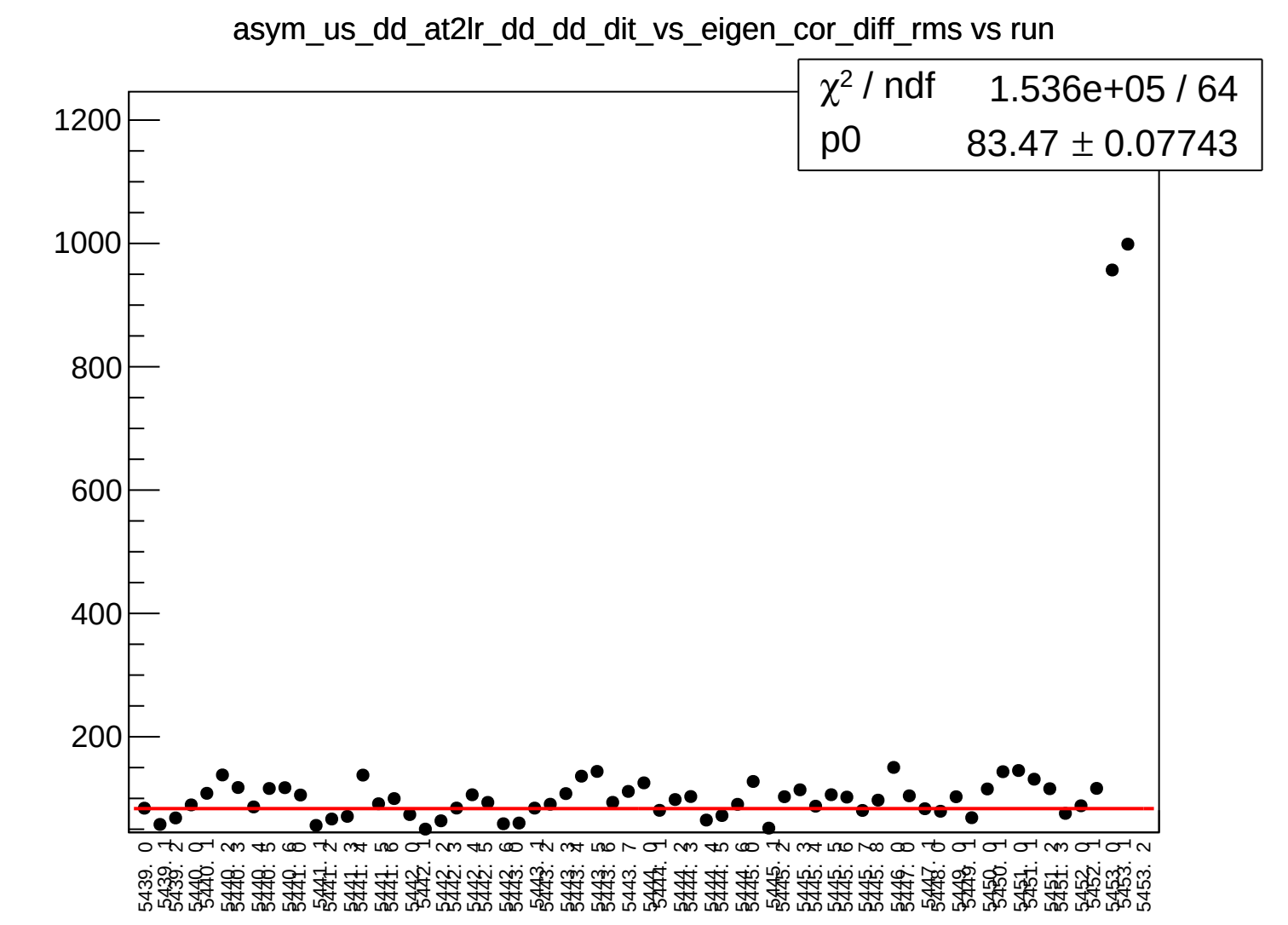

pull1D
Entries 65
Mean 0.1112
Std Dev 1.096

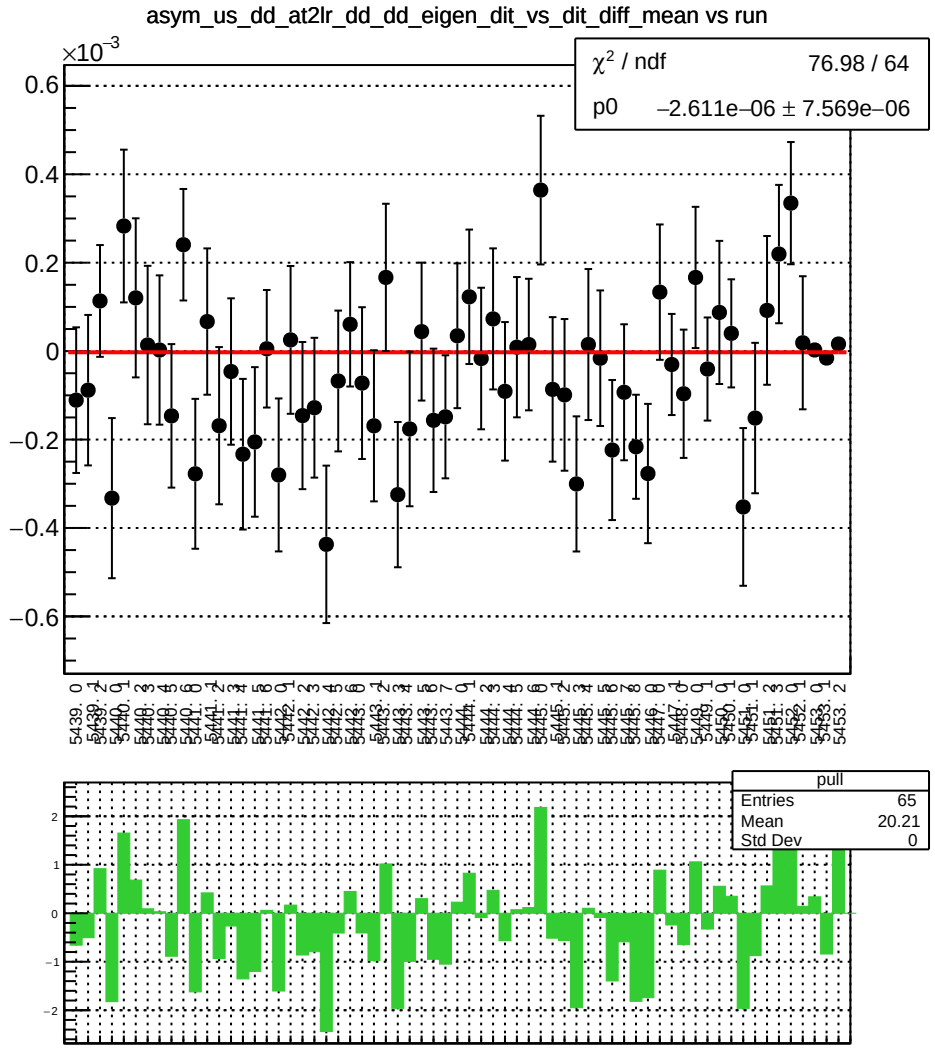

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.976e+05 / 64
p0 4.524e−11 ± 5.339e−14
70
60
50
40
30
20
10
0

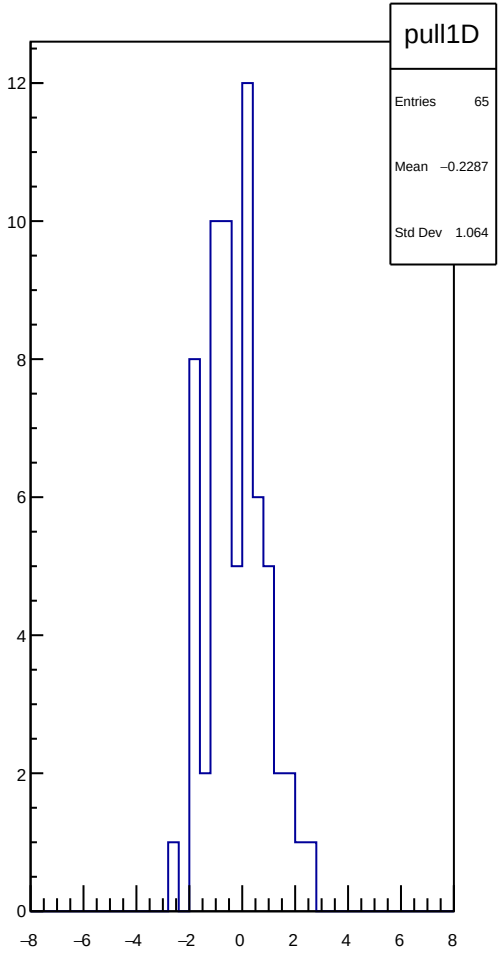

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.6 / 64
p0 0.00121 ± 0.1095
pull
Entries 65
Mean 55.99
Std Dev 13.73
pull1D
Entries 65
Mean −0.05787
Std Dev 0.9953

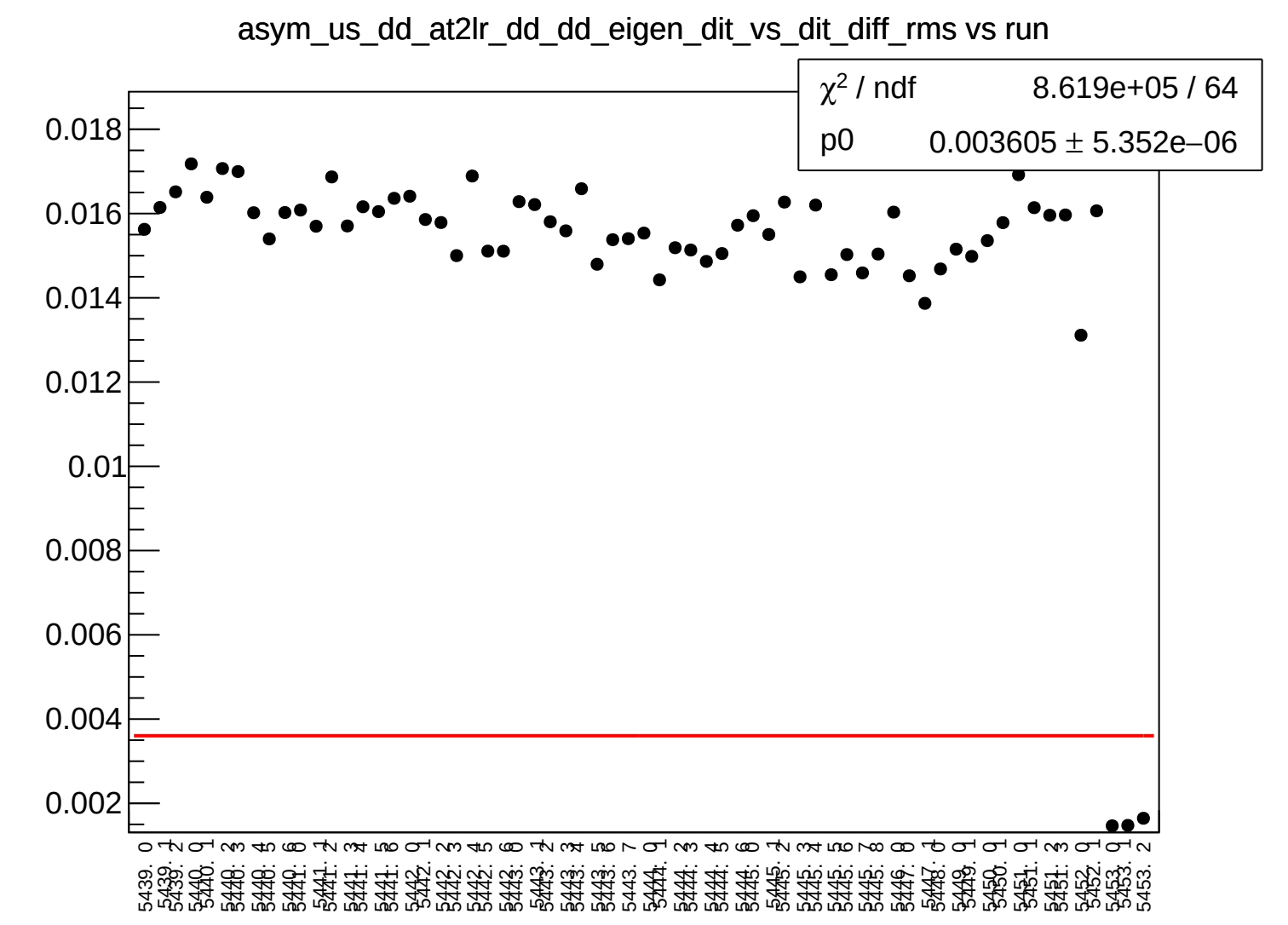

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.536e+05 / 64
p0 83.47 ± 0.07743
1200
1000
800
600
400
200

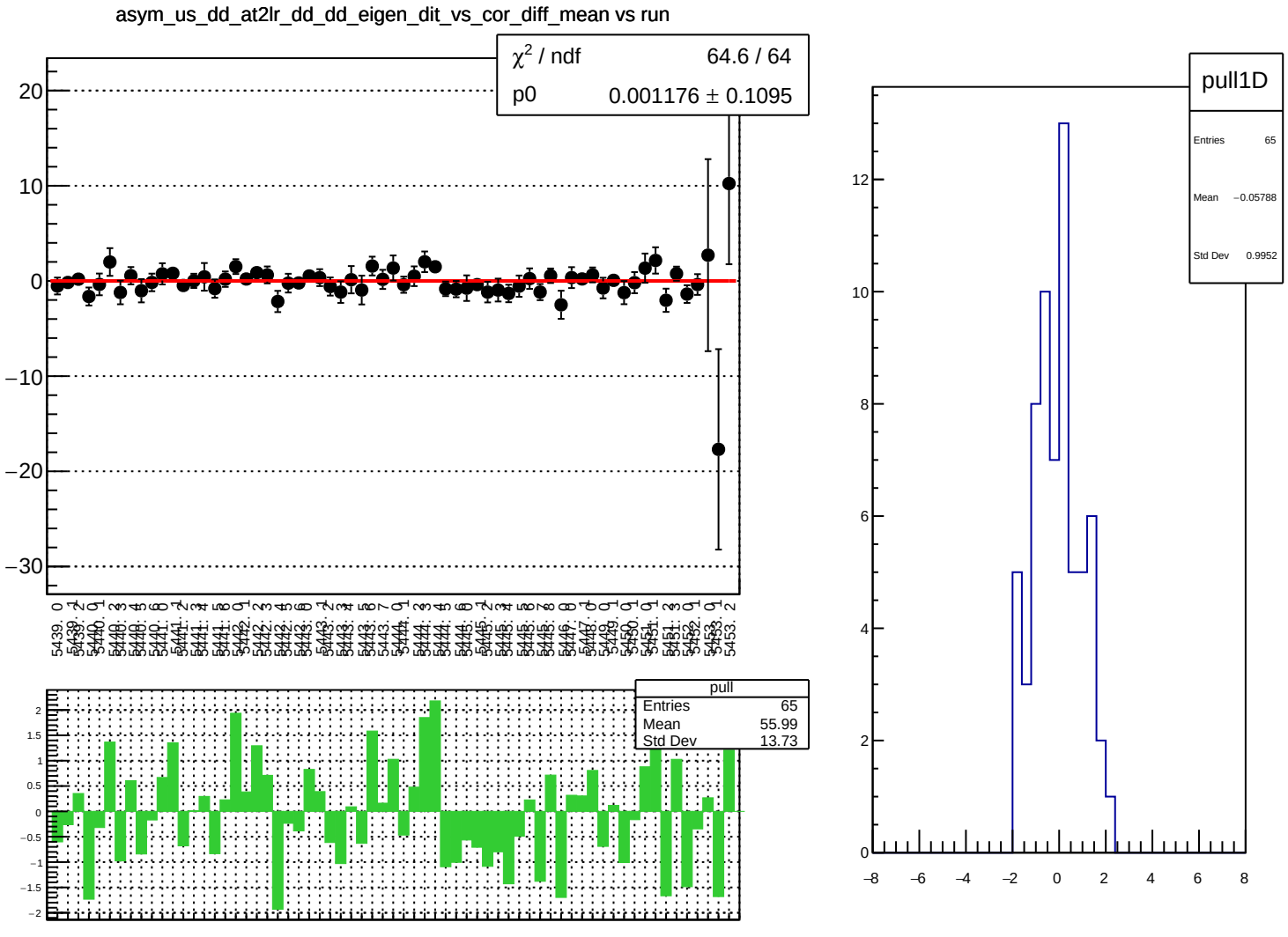

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.6 / 64
p0 0.00121 ± 0.1095
pull
Entries 65
Mean 55.99
Std Dev 13.73
pull1D
Entries 65
Mean −0.05787
Std Dev 0.9953

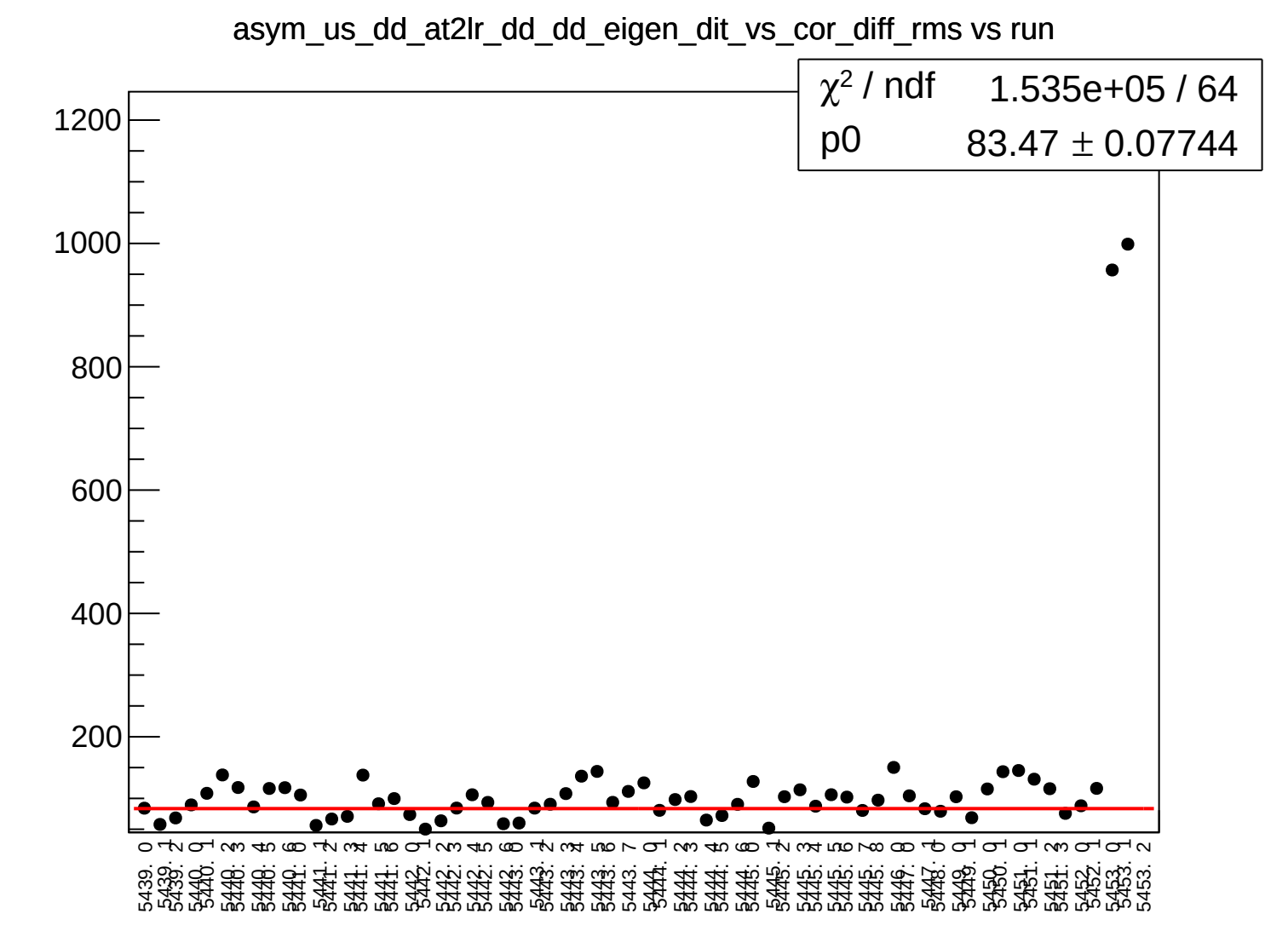

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.536e+05 / 64
p0 83.47 ± 0.07743
1200
1000
800
600
400
200

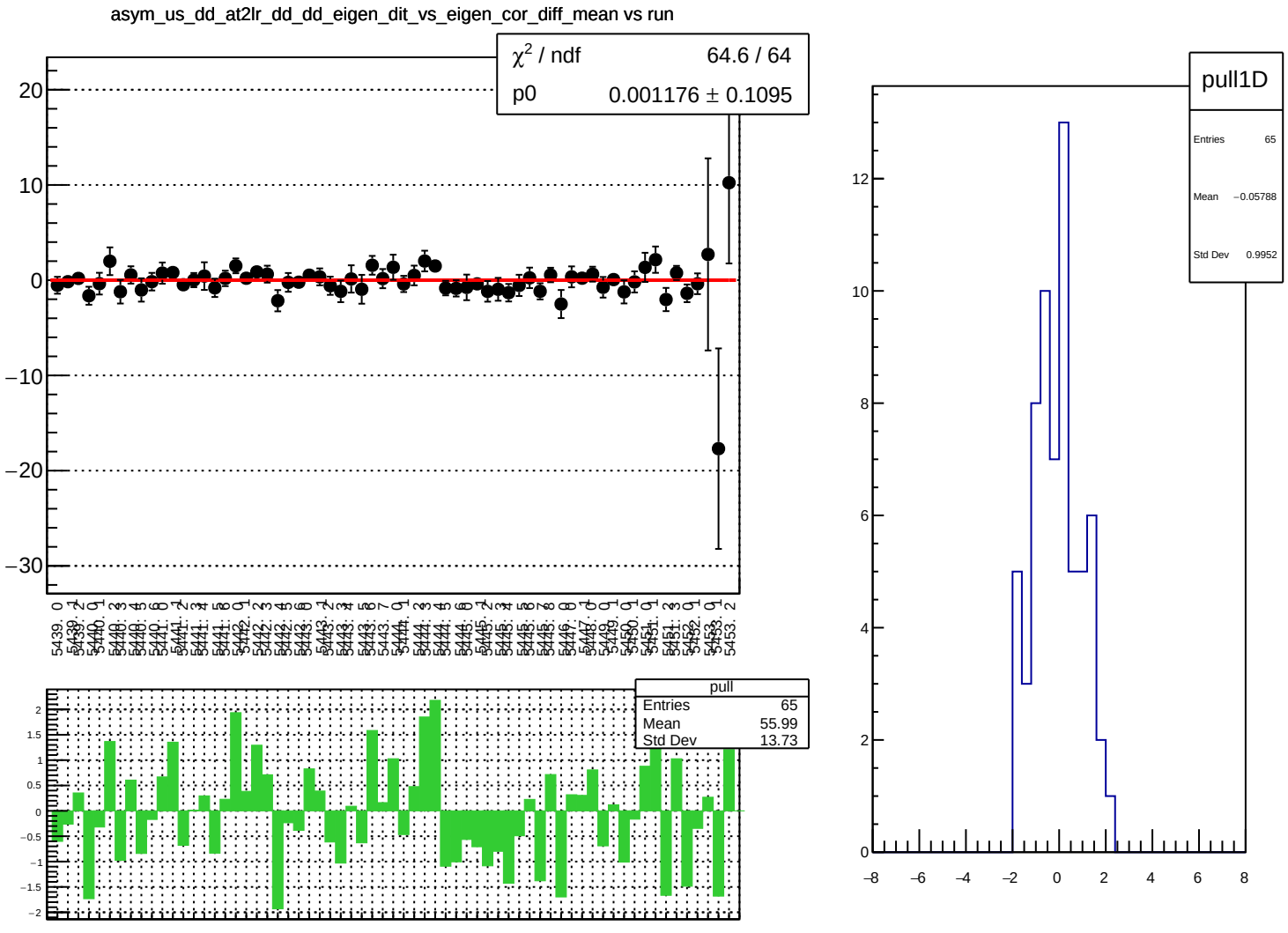

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.98 / 64
p0 −2.611e−06 ± 7.569e−06
pull
Entries 65
Mean 20.21
Std Dev 0

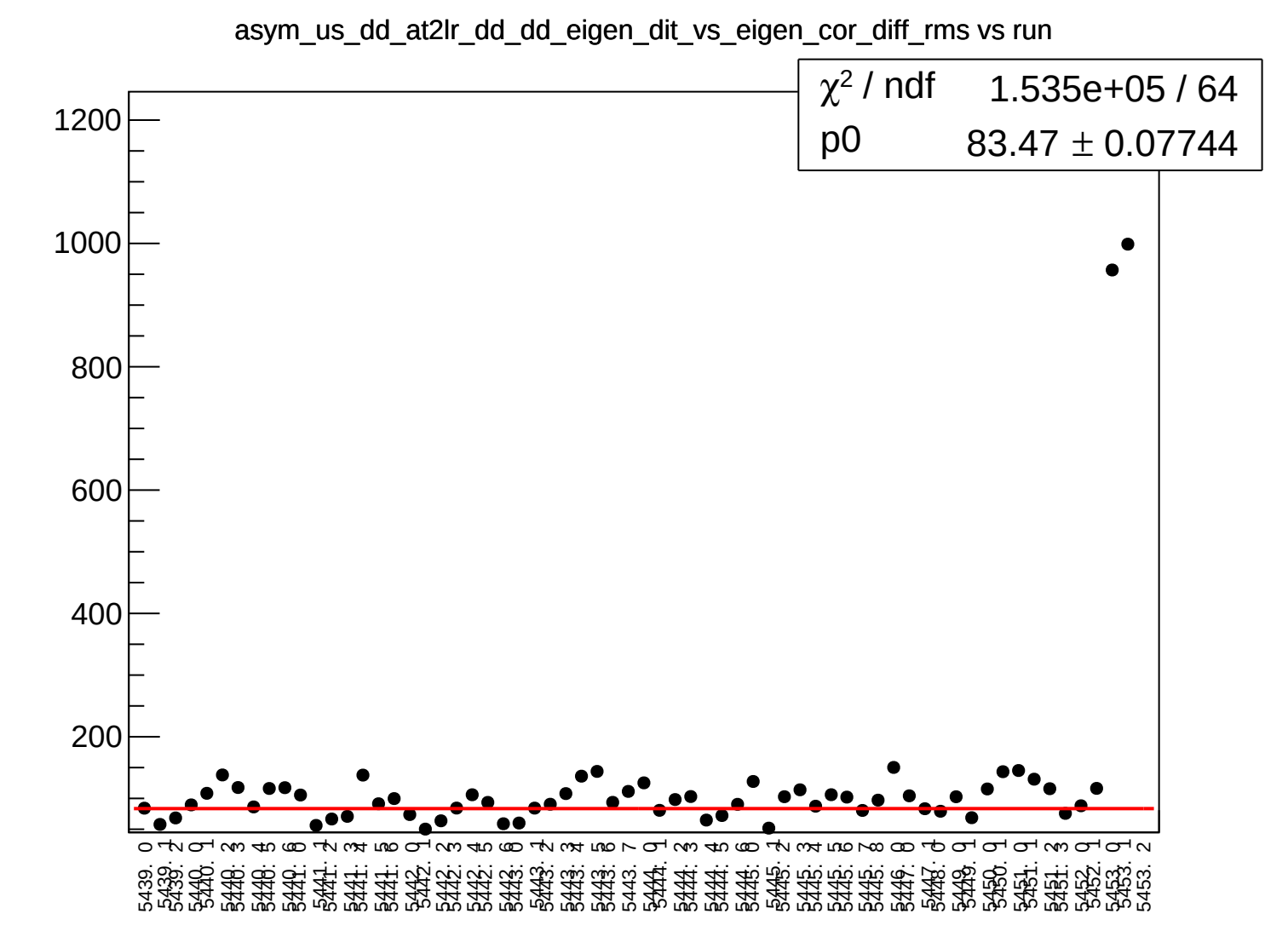

pull1D
Entries 65
Mean −0.2287
Std Dev 1.064

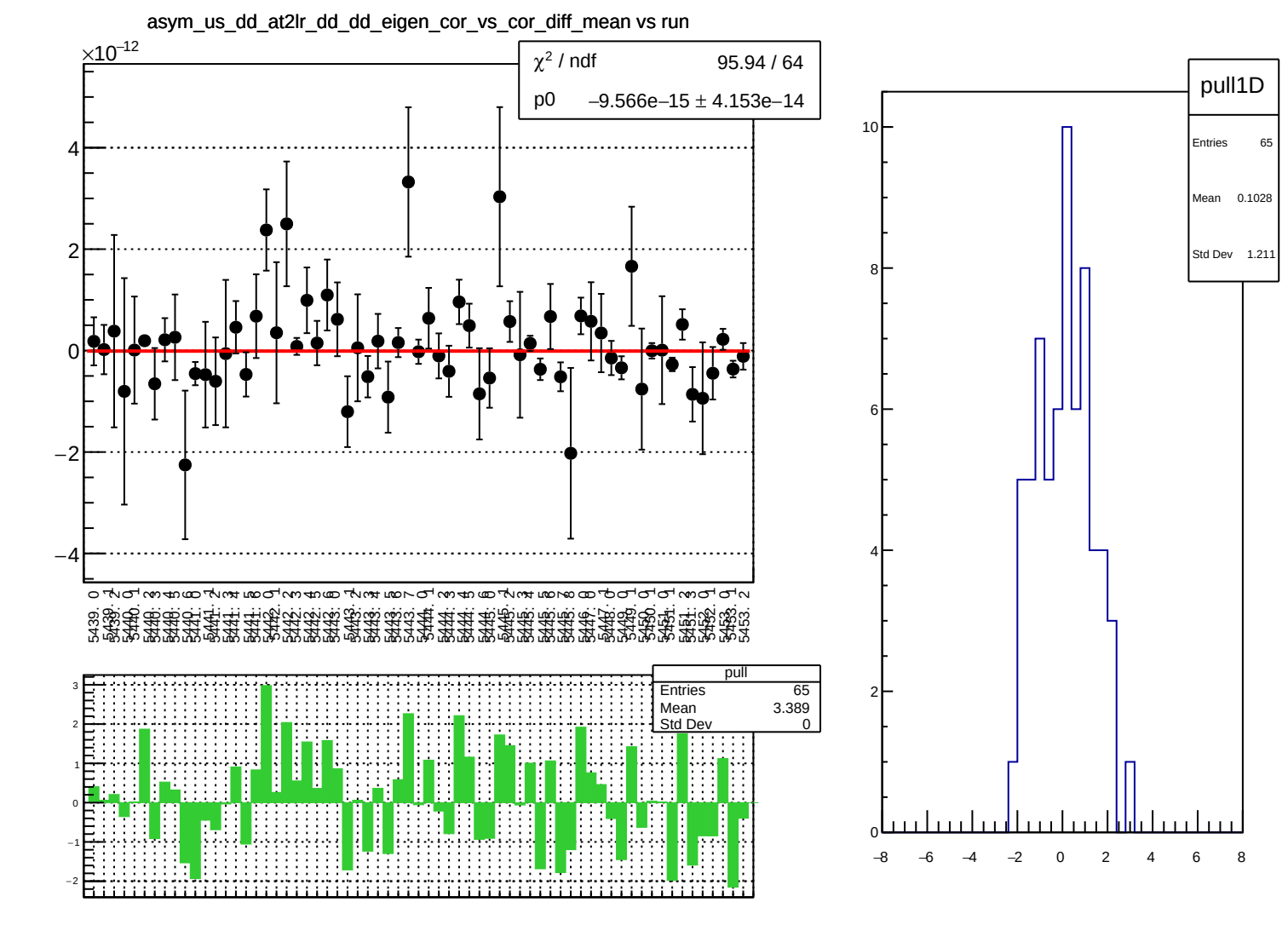

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.619e+05 / 64
p0 0.003605 ± 5.352e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

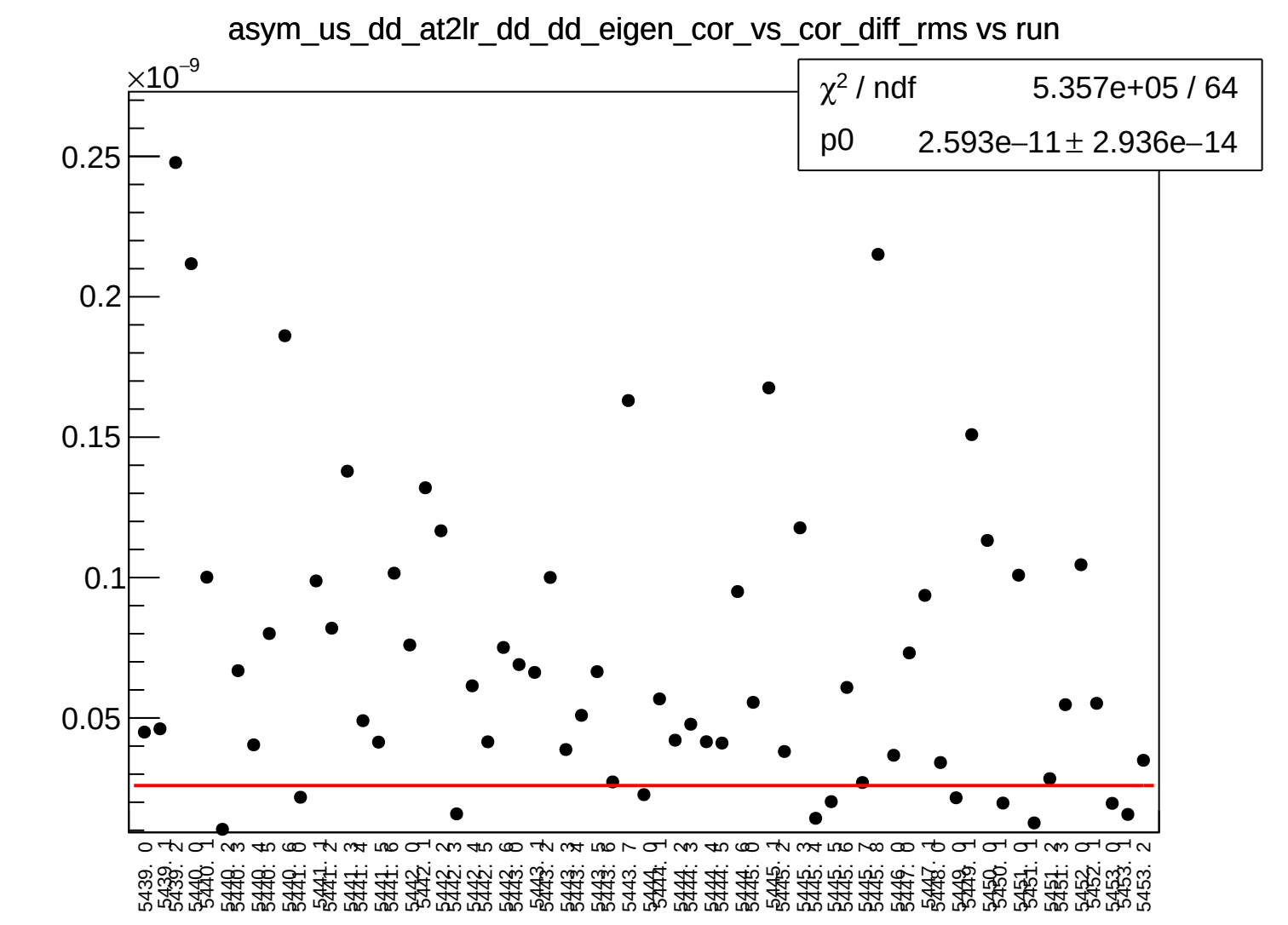

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.6 / 64
p0 0.001176 ± 0.1095
pull
Entries 65
Mean 55.99
Std Dev 13.73
pull1D
Entries 65
Mean −0.05788
Std Dev 0.9952

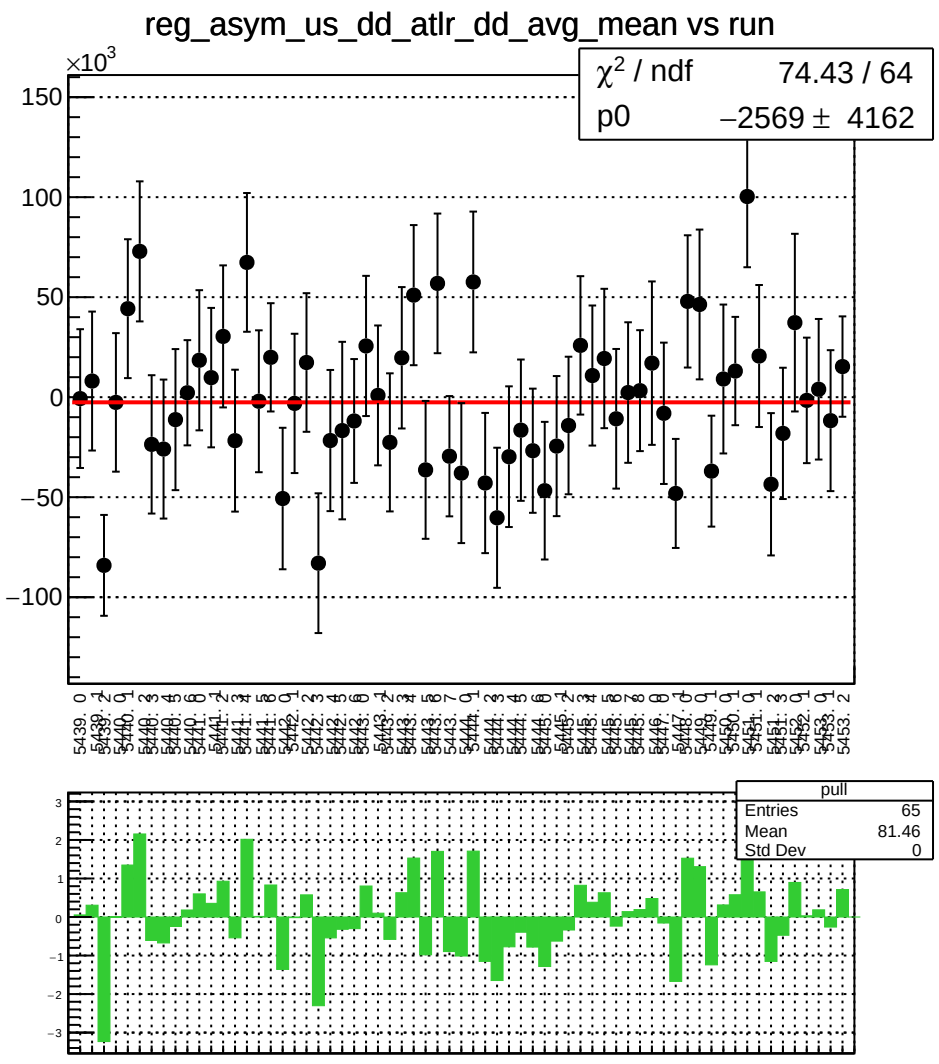

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.535e+05 / 64
p0 83.47 ± 0.07744
1200
1000
800
600
400
200

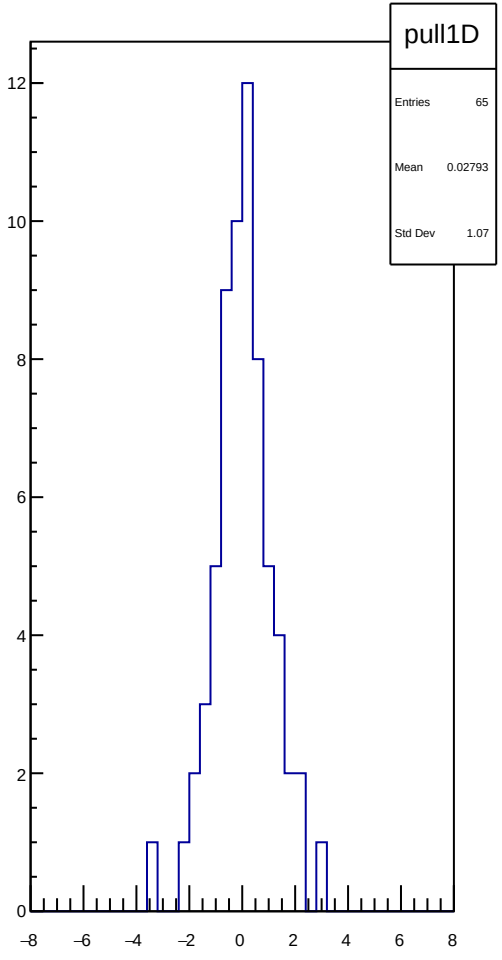

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.6 / 64
p0 0.001176 ± 0.1095
pull
Entries 65
Mean 55.99
Std Dev 13.73
pull1D
Entries 65
Mean −0.05788
Std Dev 0.9952

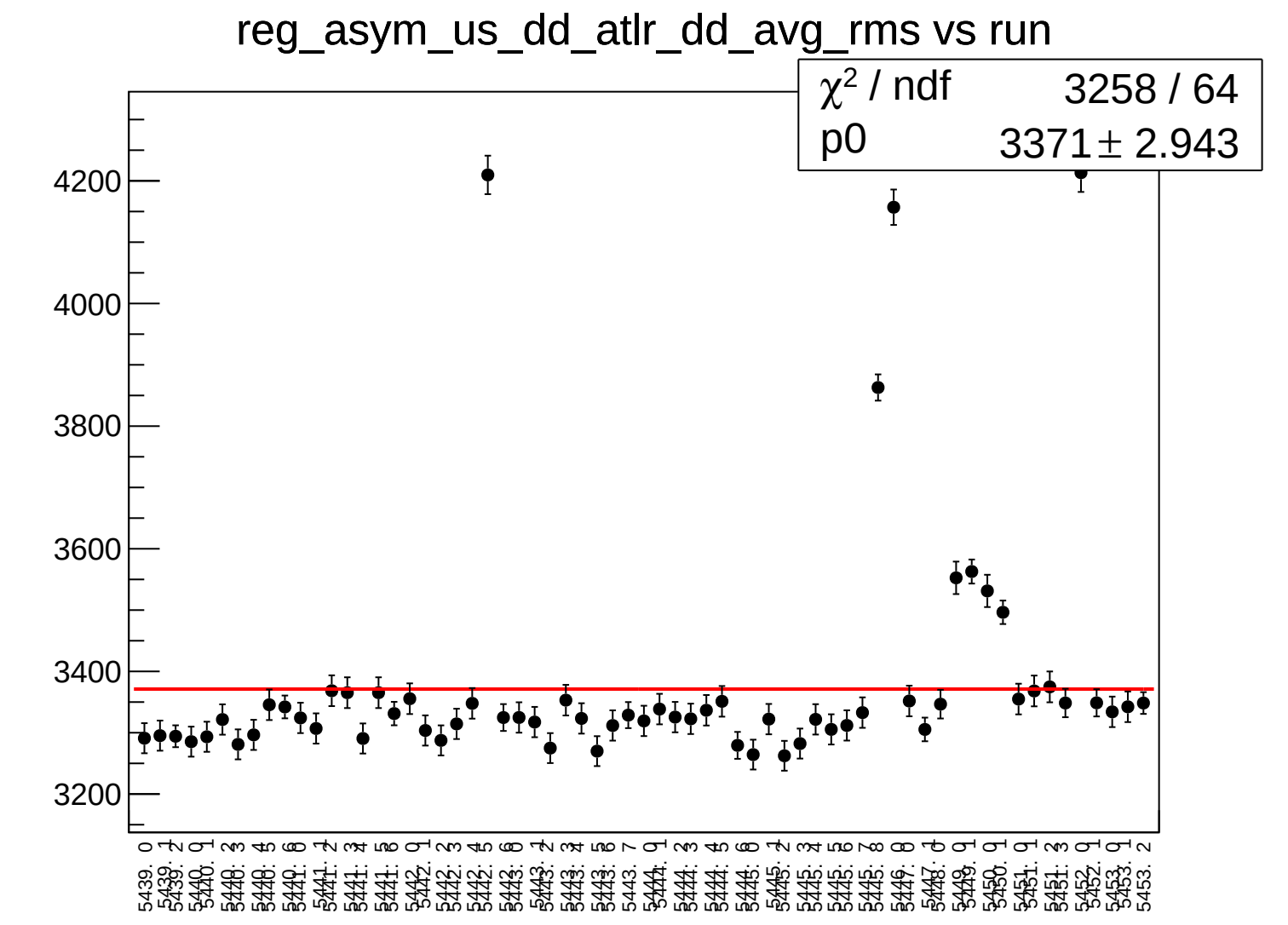

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.535e+05 / 64
p0 83.47 ± 0.07744
1200
1000
800
600
400
200

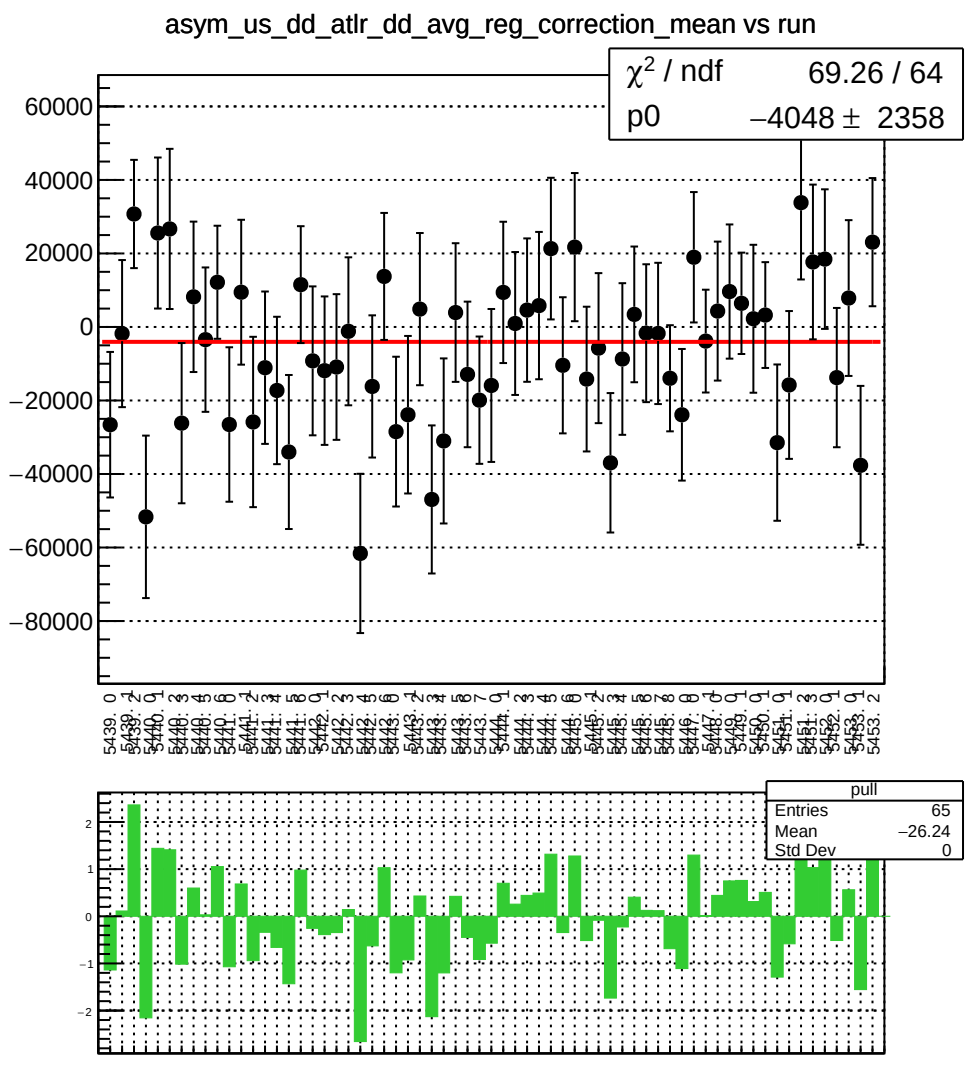

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 95.94 / 64
p0 −9.566e−15 ± 4.153e−14
pull
Entries 65
Mean 3.389
Std Dev 0
pull1D
Entries 65
Mean 0.1028
Std Dev 1.211

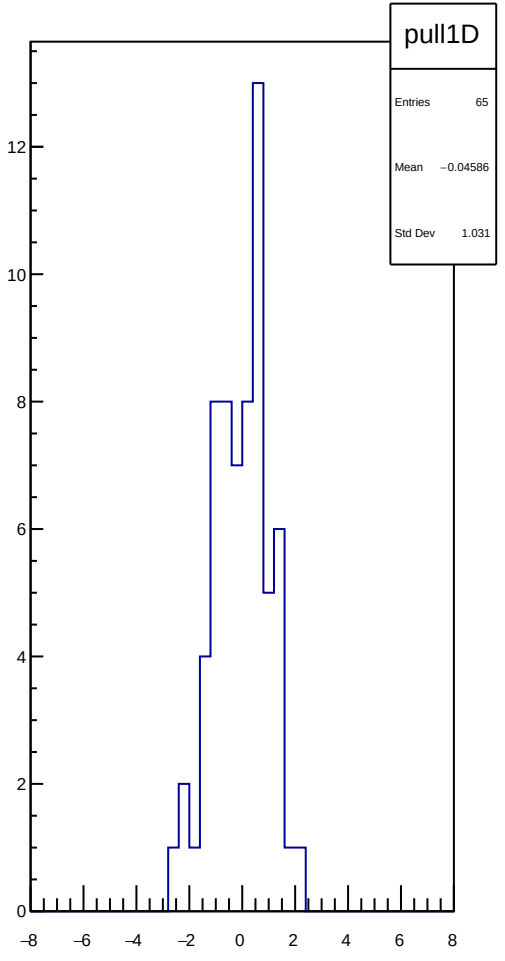

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.357e+05 / 64
p0 2.593e−11 ± 2.936e−14
0.25
0.2
0.15
0.1
0.05

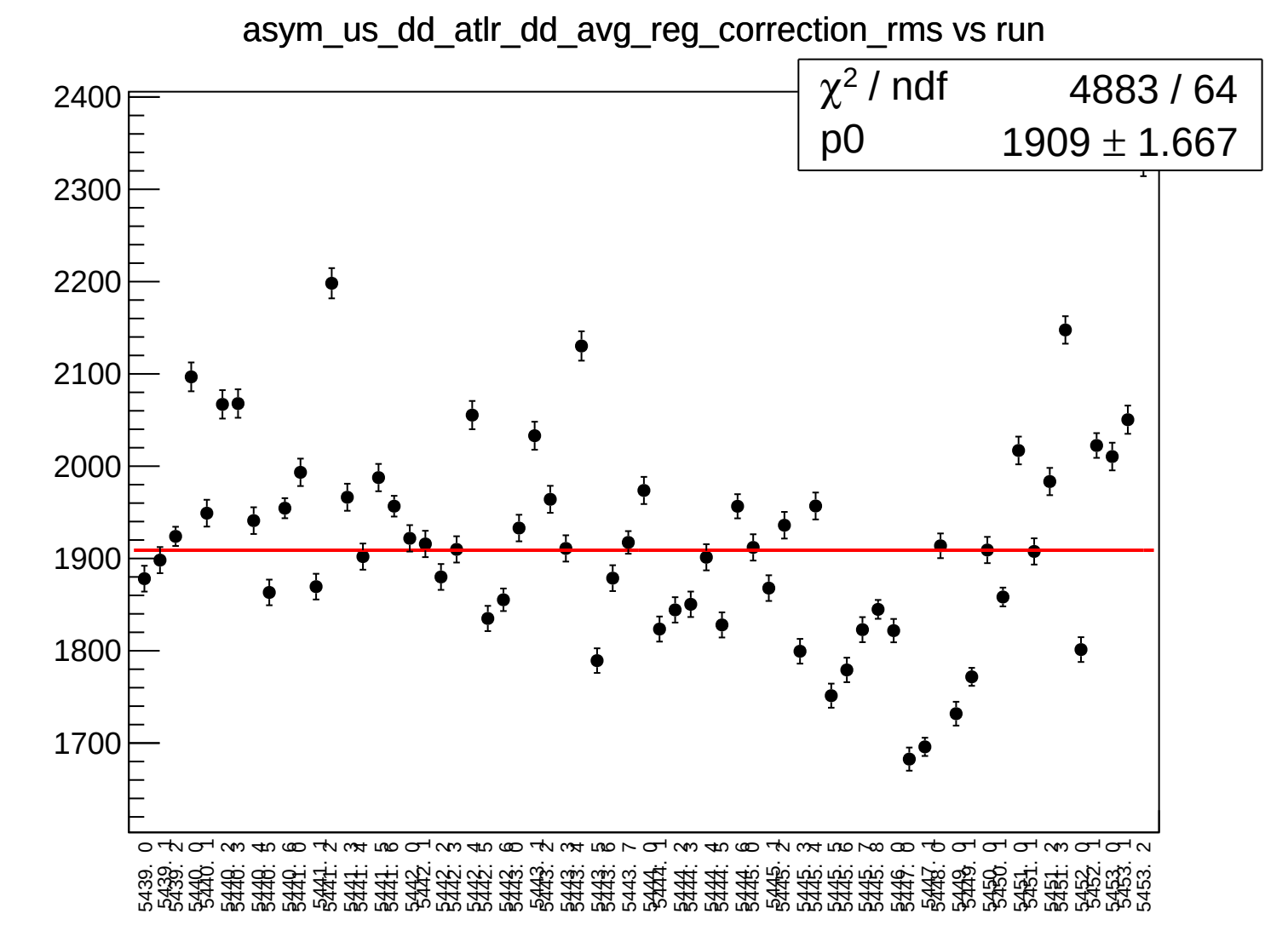

reg_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 74.43 / 64
p0 −2569 ± 4162
150
100
50
0
−50
−100
pull
Entries 65
Mean 81.46
Std Dev 0
3
2
1
0
−1
−2
−3

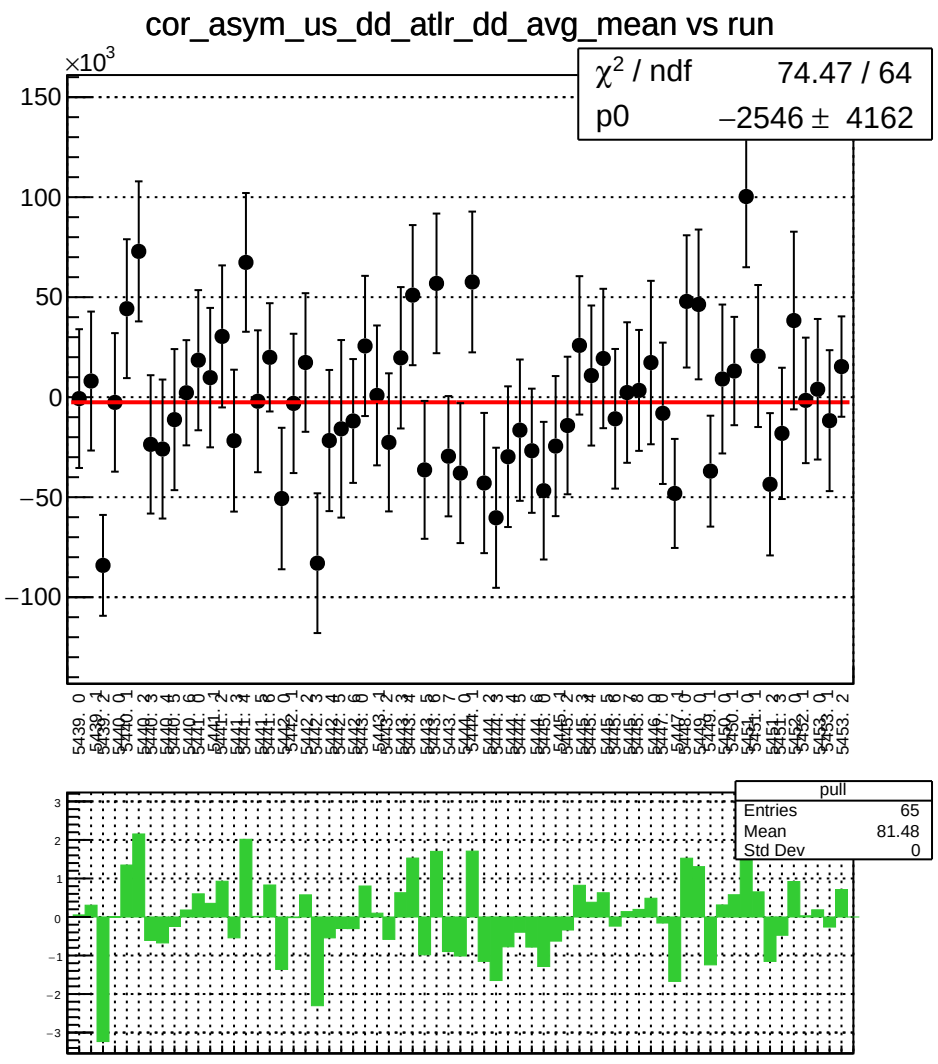

pull1D
Entries 65
Mean 0.02793
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

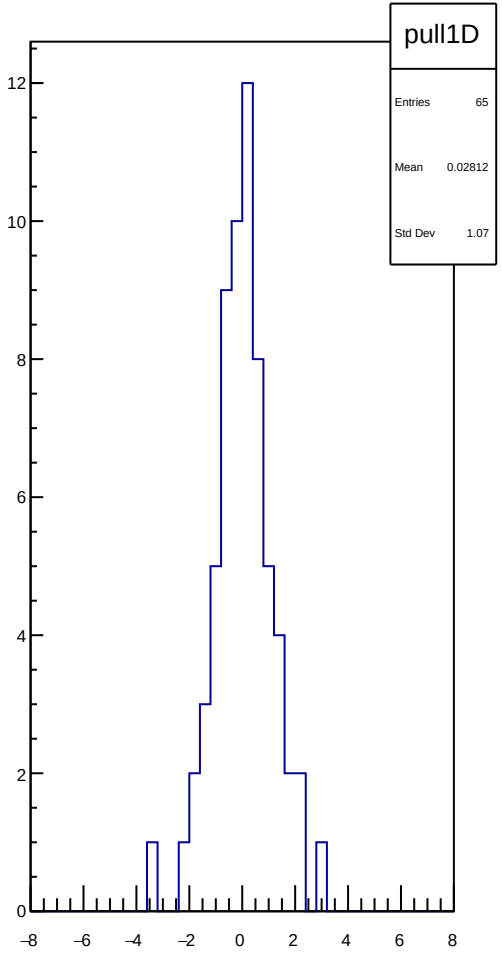

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 3258 / 64
p0 3371 ± 2.943
4200
4000
3800
3600
3400
3200

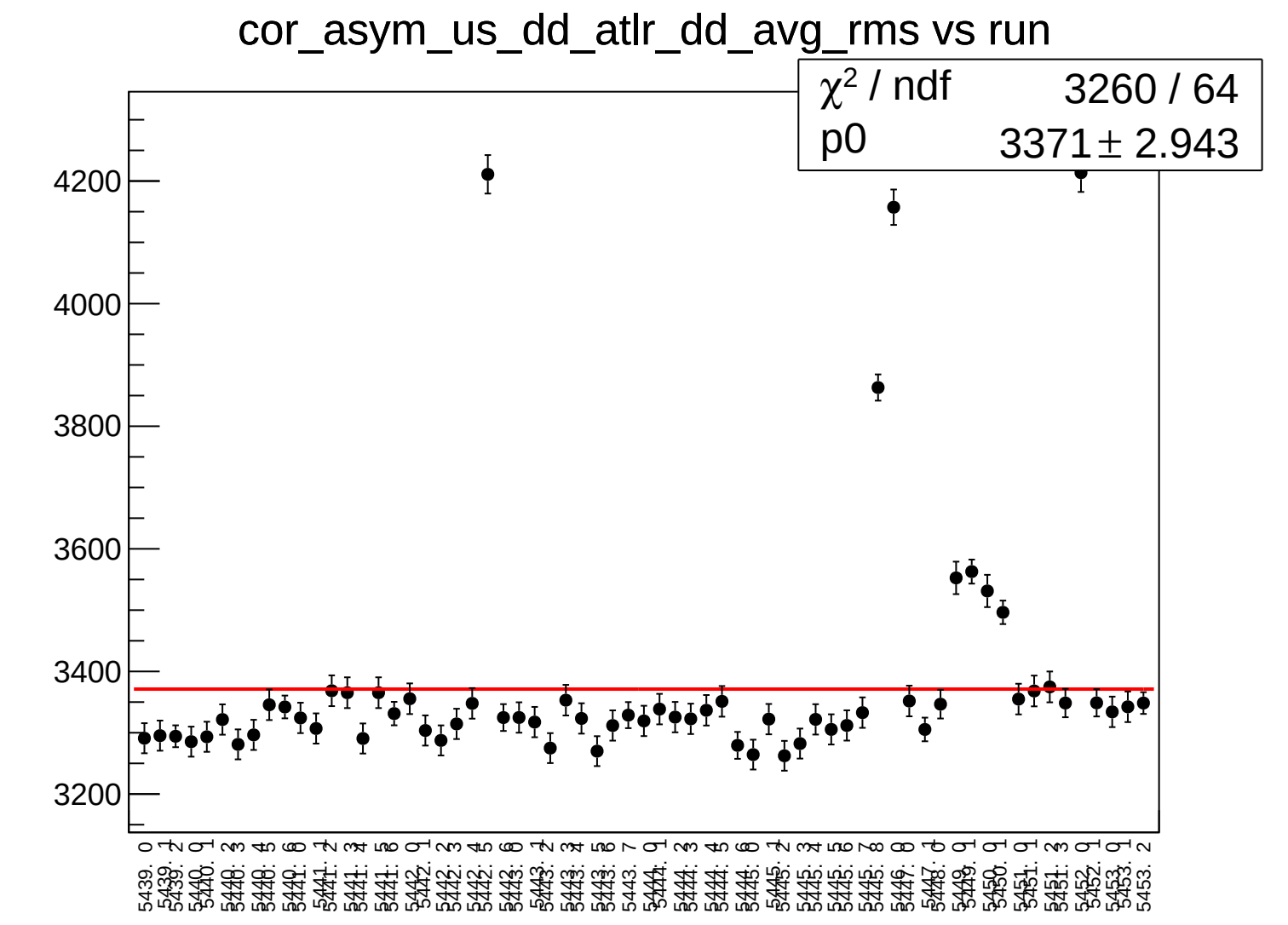

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 69.26 / 64
p0 −4048 ± 2358
pull
Entries 65
Mean −26.24
Std Dev 0

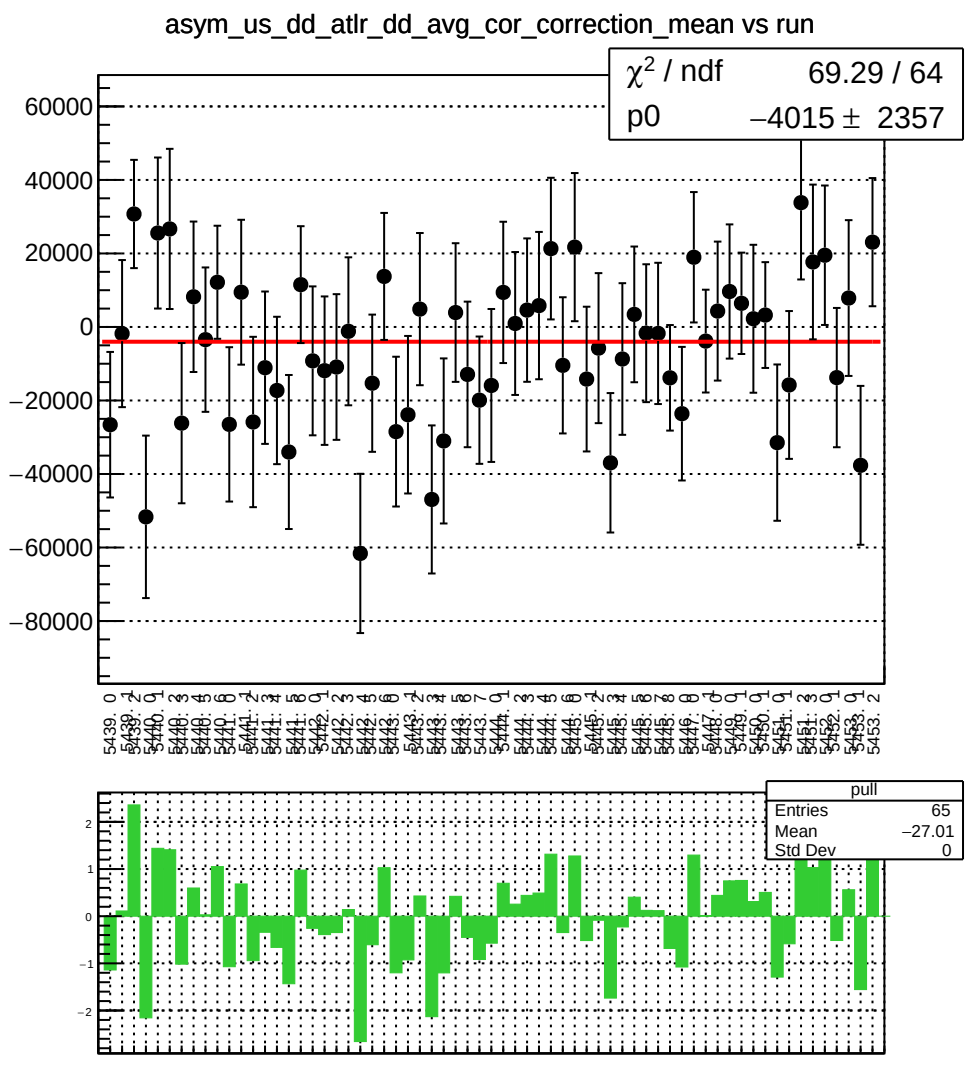

pull1D
Entries 65
Mean −0.04586
Std Dev 1.031

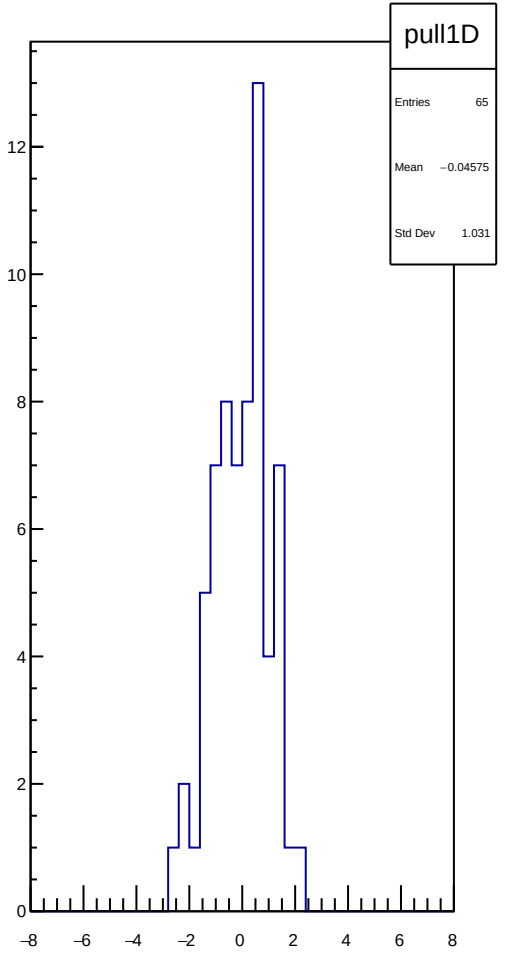

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4883 / 64
p0 1909 ± 1.667
2400
2300
2200
2100
2000
1900
1800
1700

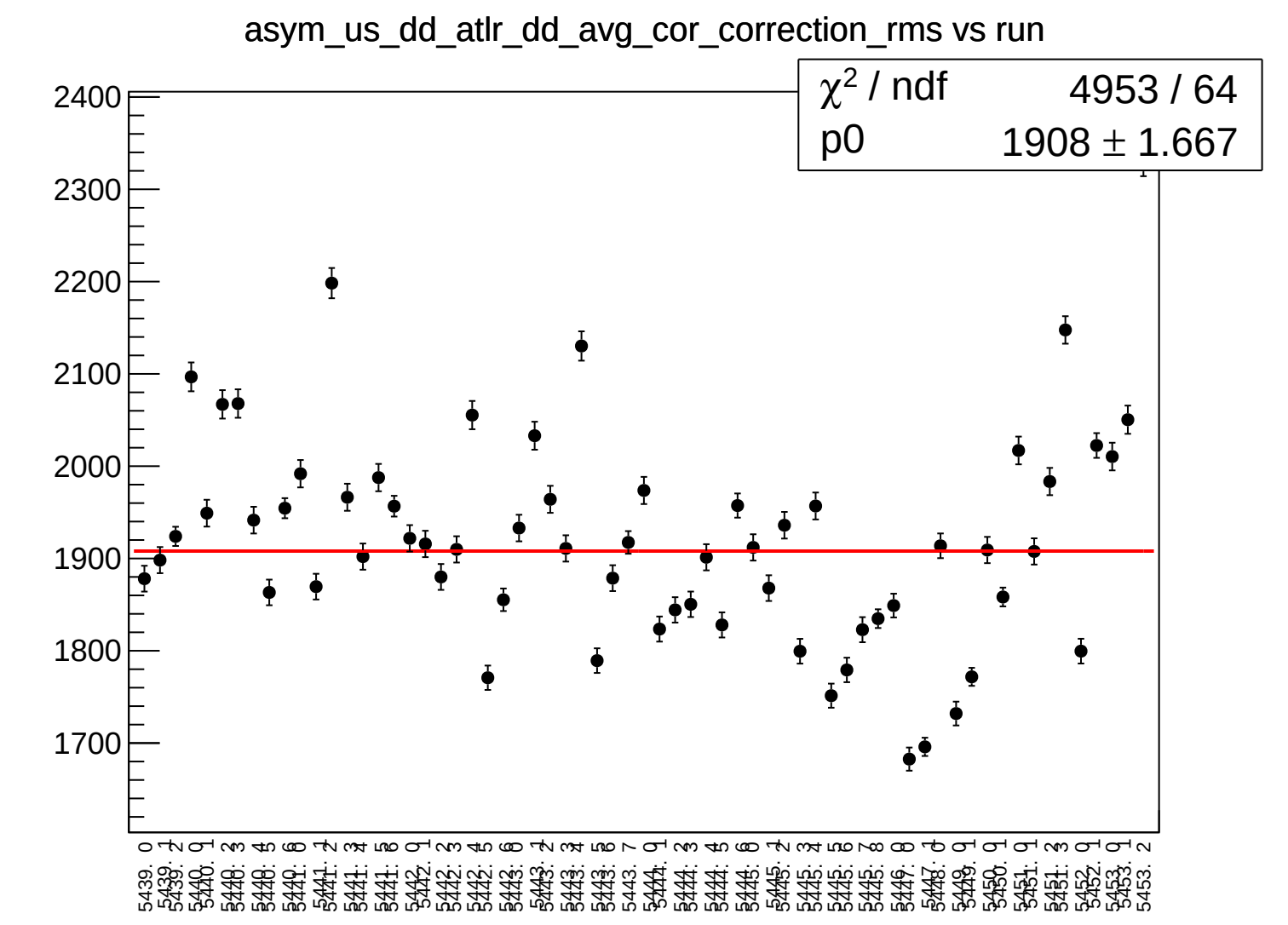

cor_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 74.47 / 64
p0 −2546 ± 4162
150
100
50
0
−50
−100
pull
Entries 65
Mean 81.48
Std Dev 0
3
2
1
0
−1
−2
−3

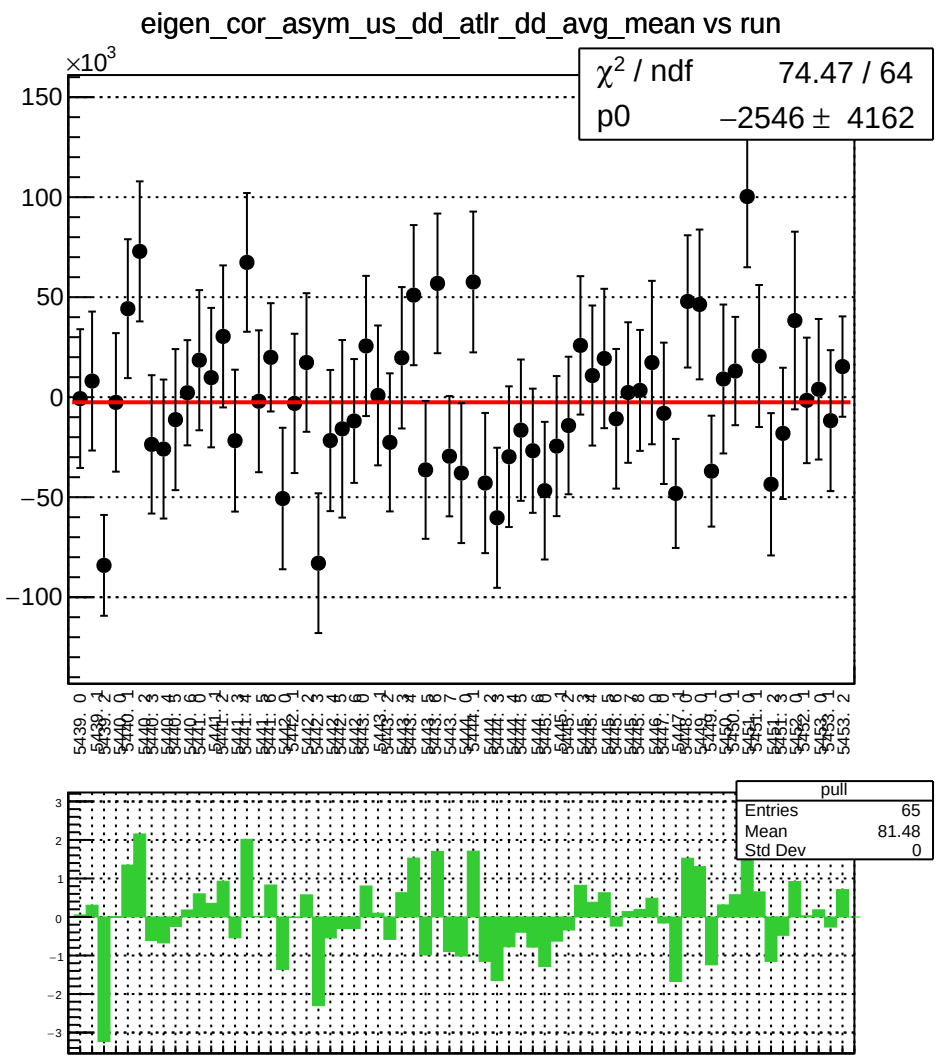

pull1D
Entries 65
Mean 0.02812
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

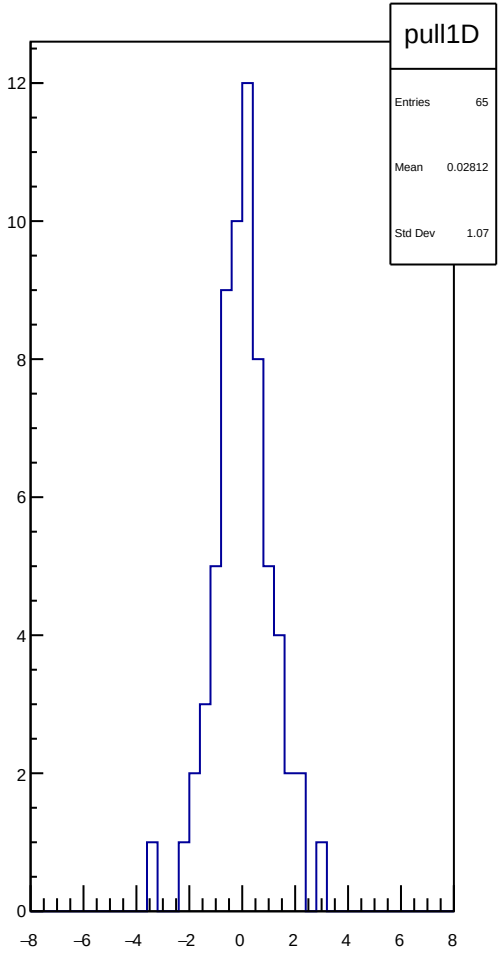

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 3260 / 64
p0 3371 ± 2.943
4200
4000
3800
3600
3400
3200

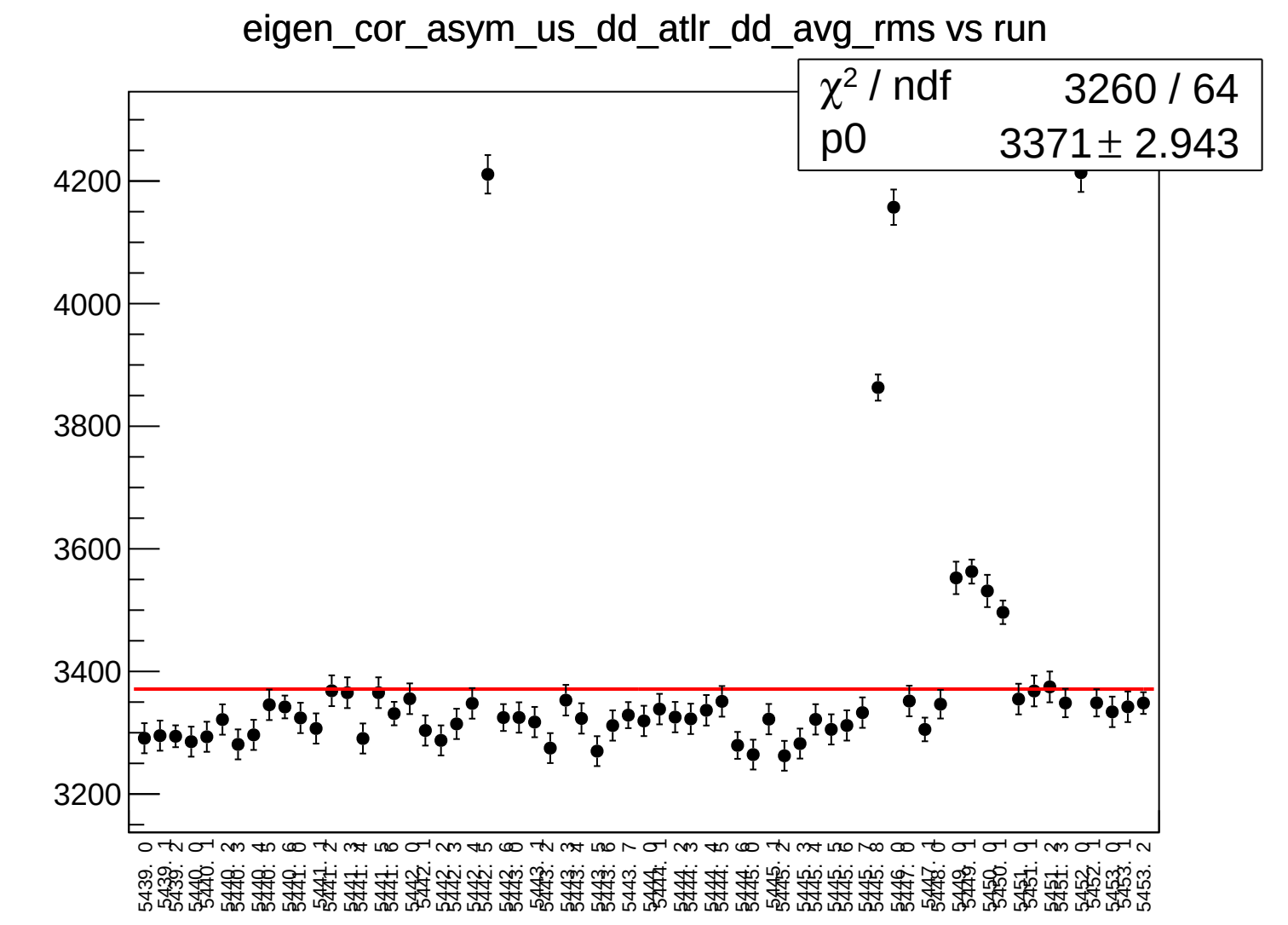

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 69.29 / 64
p0 −4015 ± 2357
pull
Entries 65
Mean −27.01
Std Dev 0

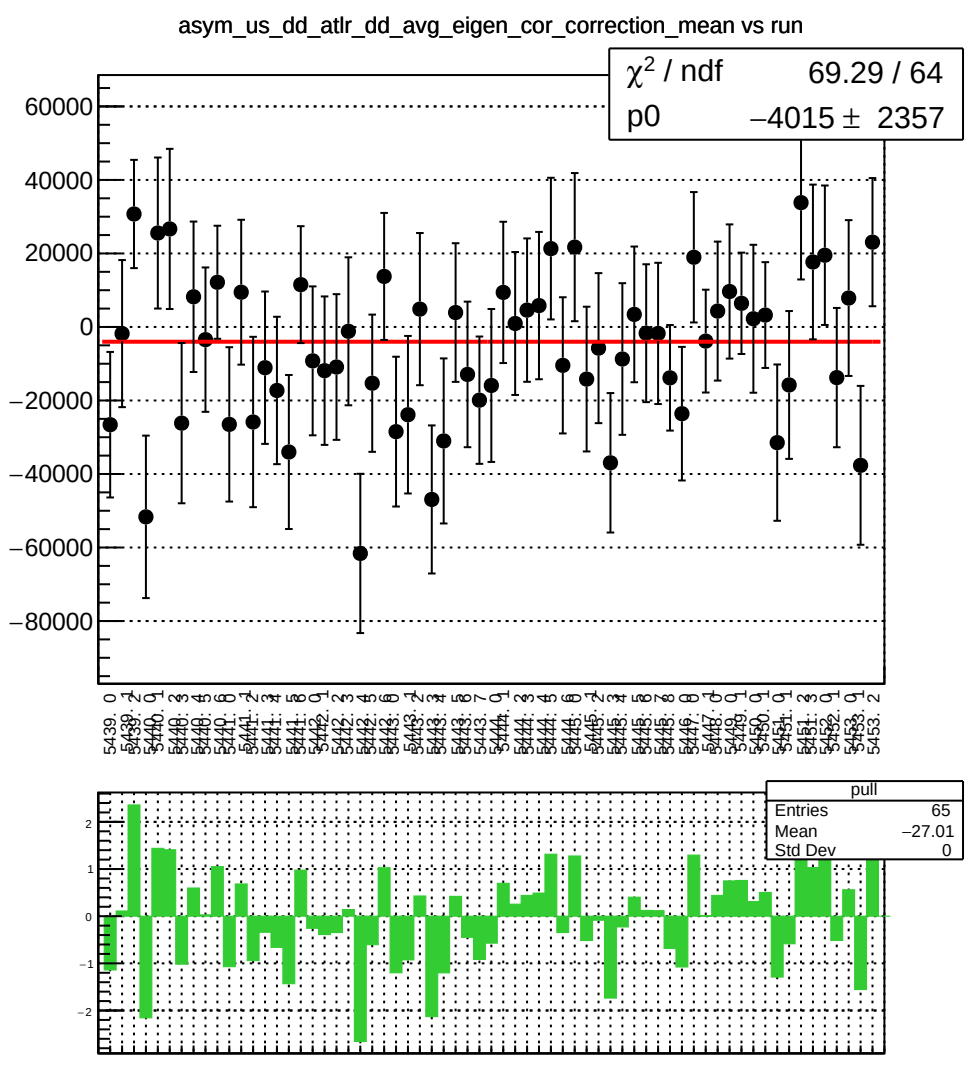

pull1D
Entries 65
Mean −0.04575
Std Dev 1.031

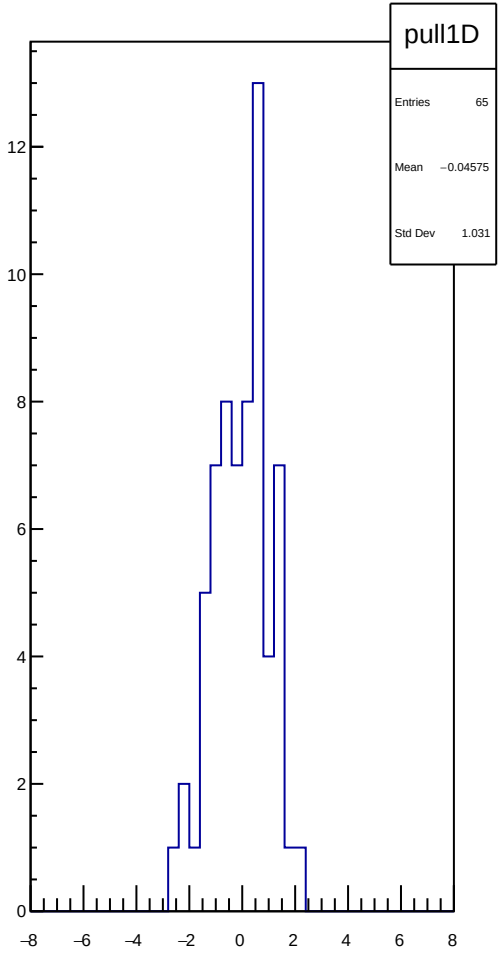

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4953 / 64
p0 1908 ± 1.667
2400
2300
2200
2100
2000
1900
1800
1700

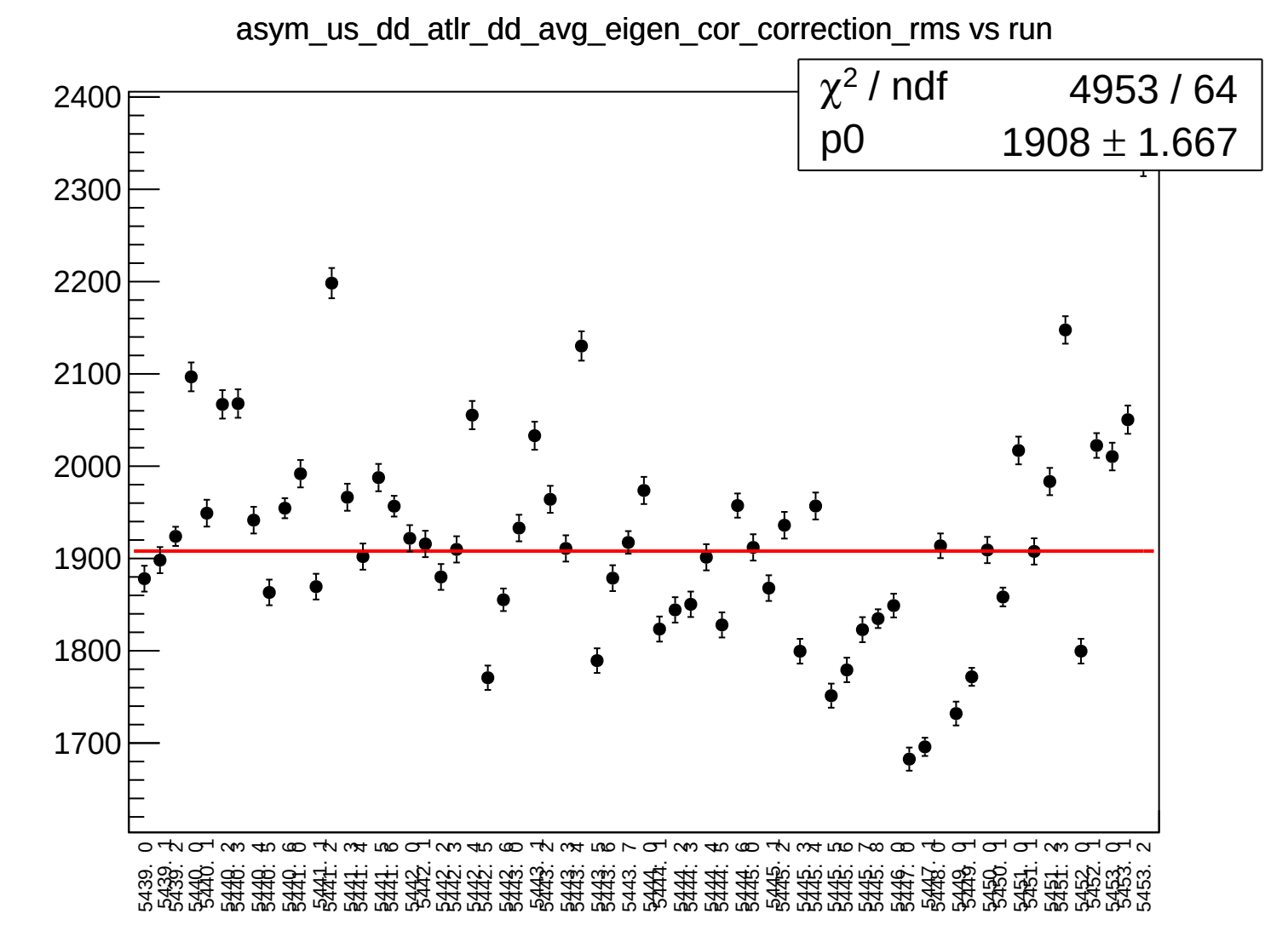

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 74.47 / 64
p0 −2546 ± 4162
150
100
50
0
−50
−100
pull
Entries 65
Mean 81.48
Std Dev 0
3
2
1
0
−1
−2
−3

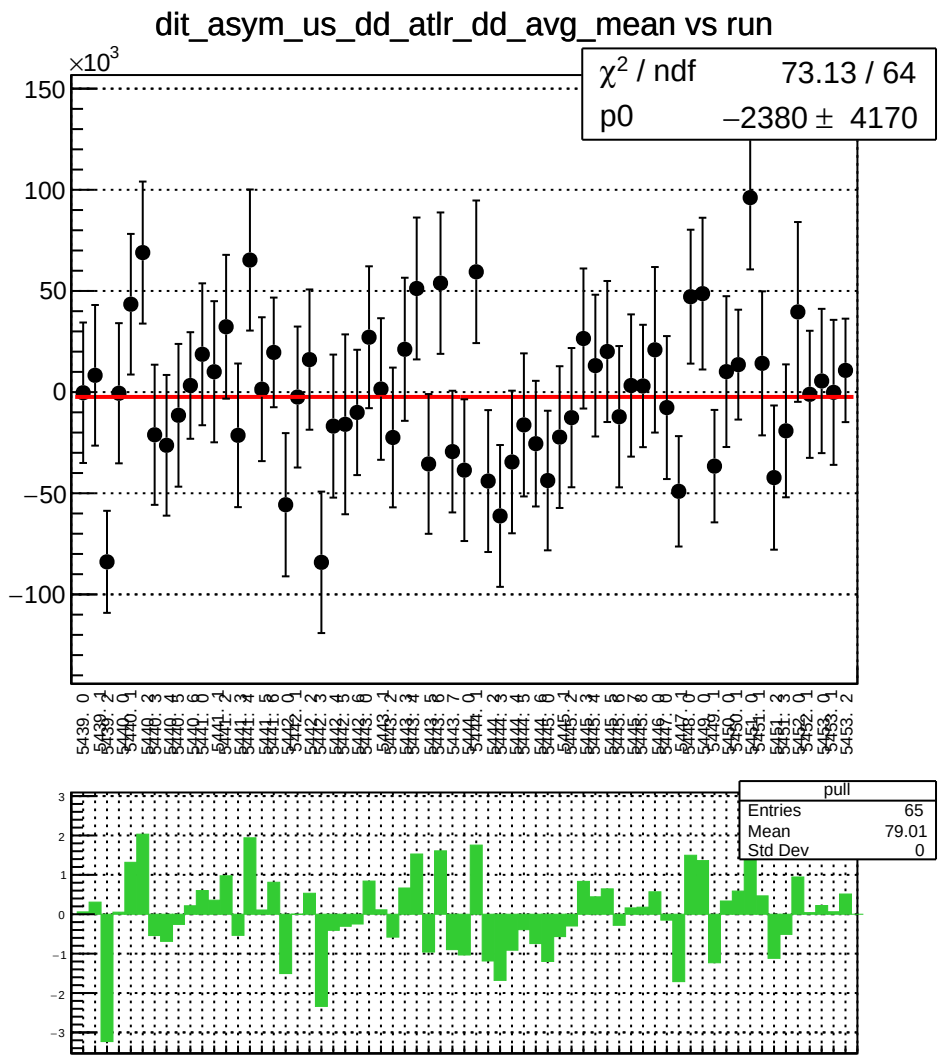

pull1D
Entries 65
Mean 0.02812
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

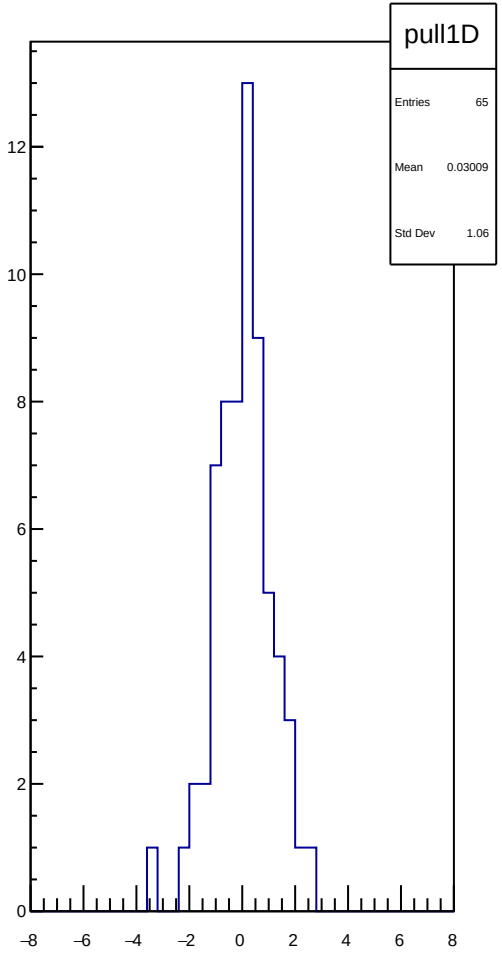

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 3260 / 64
p0 3371 ± 2.943
4200
4000
3800
3600
3400
3200

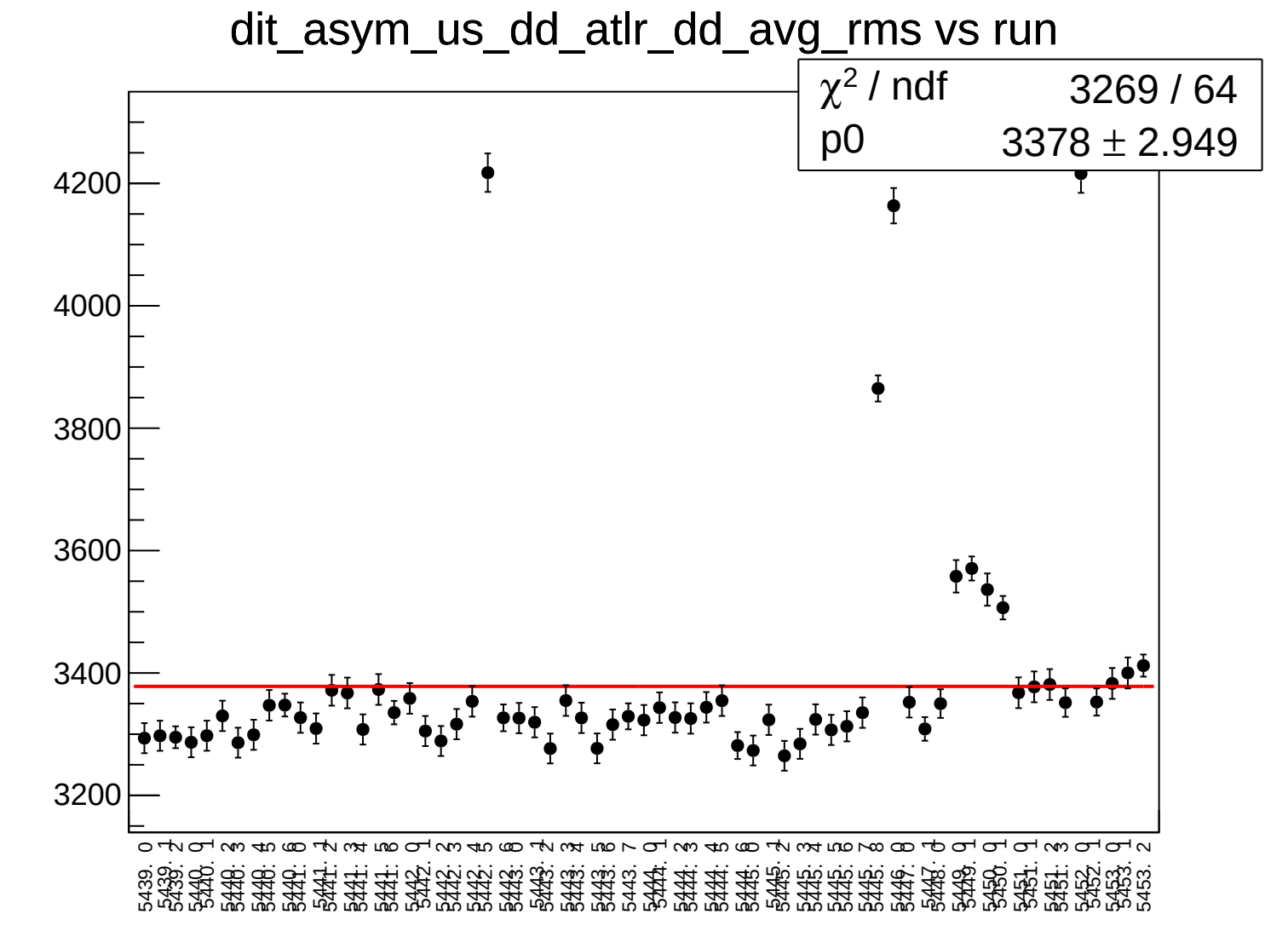

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 69.29 / 64
p0 −4015 ± 2357
pull
Entries 65
Mean −27.01
Std Dev 0

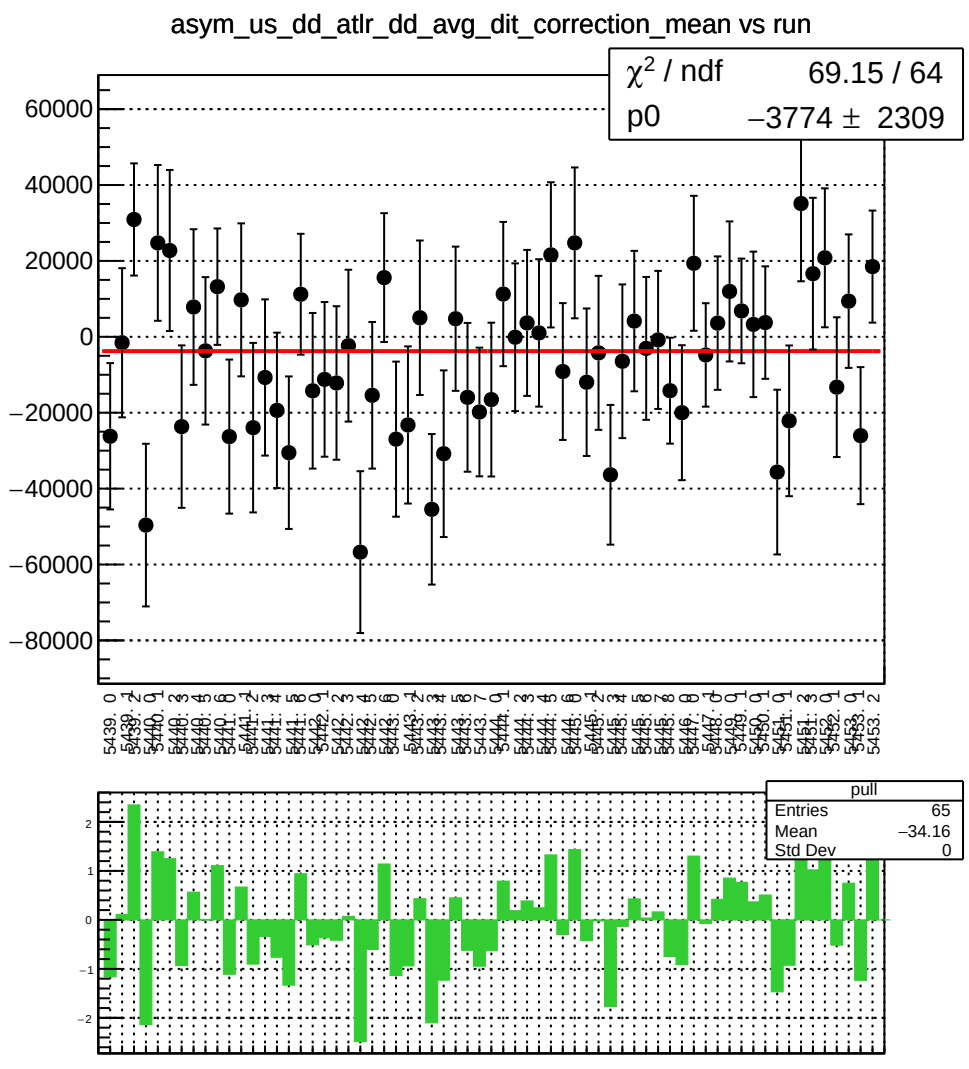

pull1D
Entries 65
Mean −0.04575
Std Dev 1.031

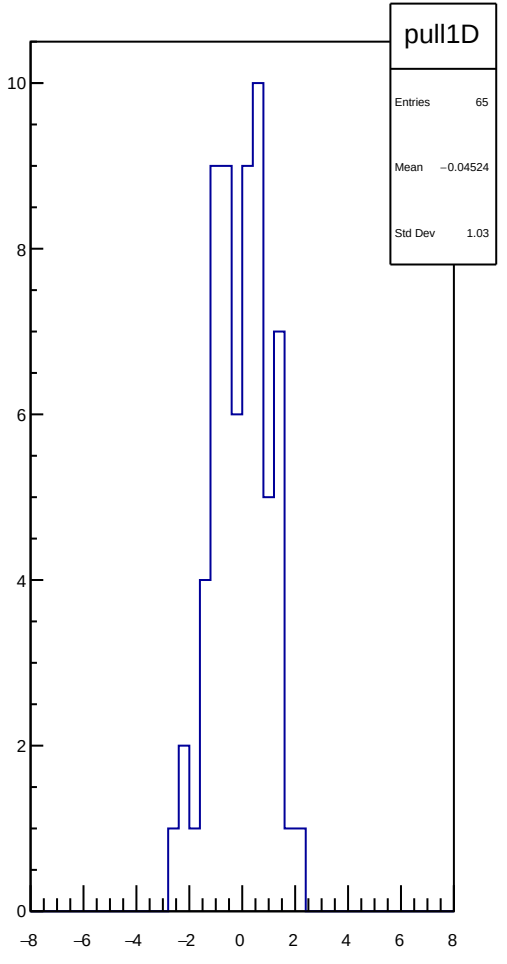

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4953 / 64
p0 1908 ± 1.667
2400
2300
2200
2100
2000
1900
1800
1700

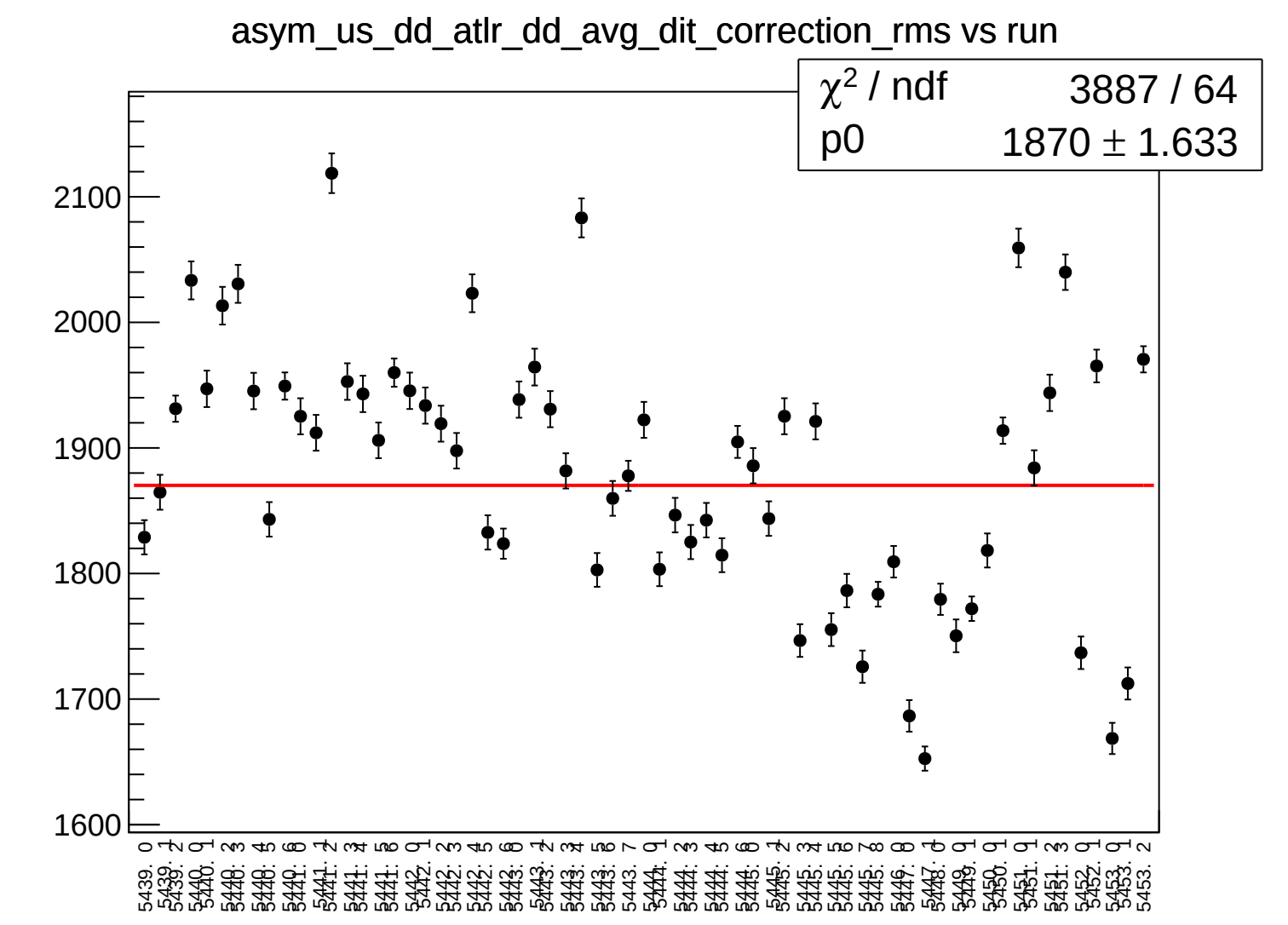

dit_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 73.13 / 64
p0 −2380 ± 4170
150
100
50
0
−50
−100
pull
Entries 65
Mean 79.01
Std Dev 0
3
2
1
0
−1
−2
−3

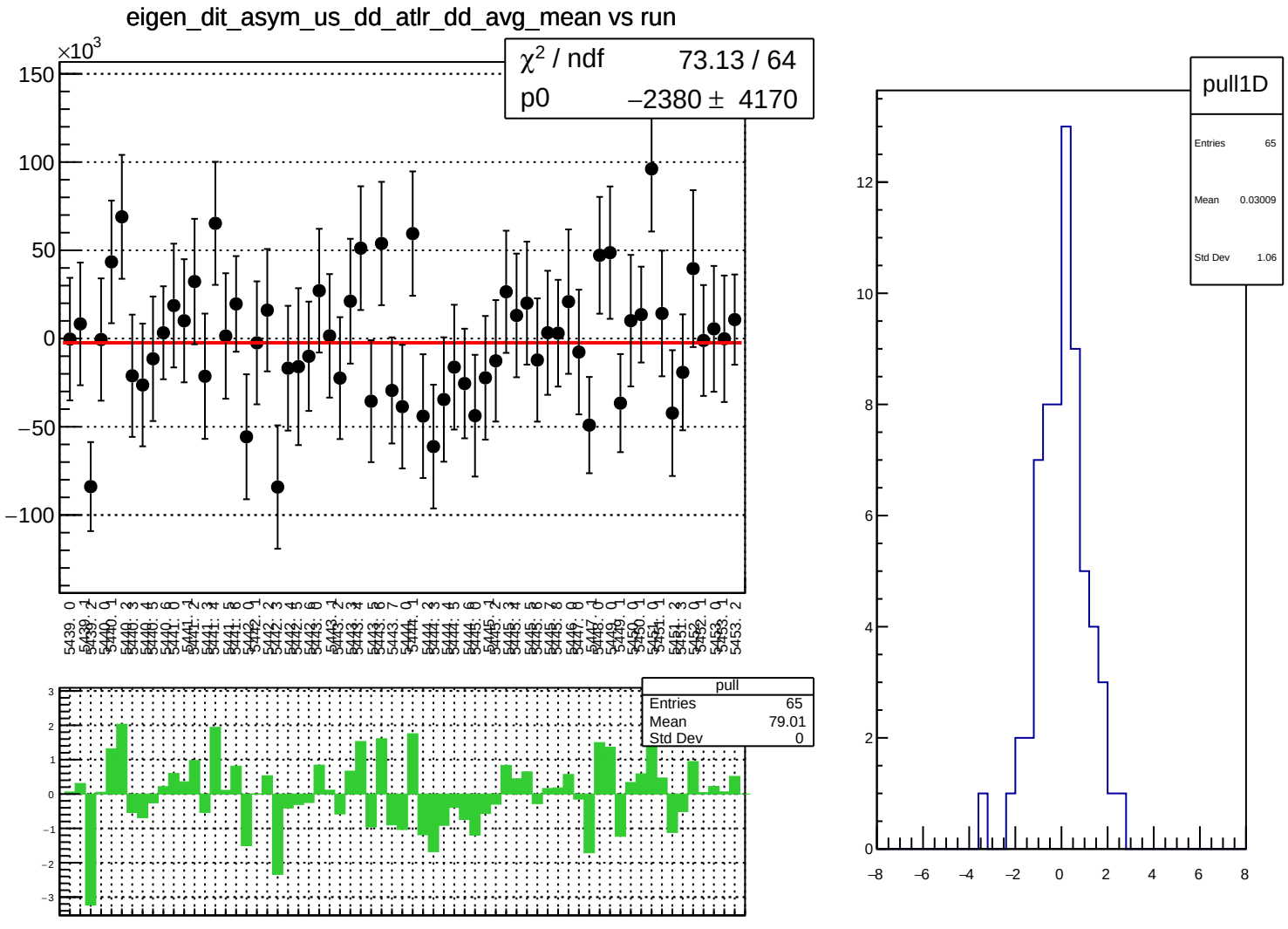

pull1D
Entries 65
Mean 0.03009
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

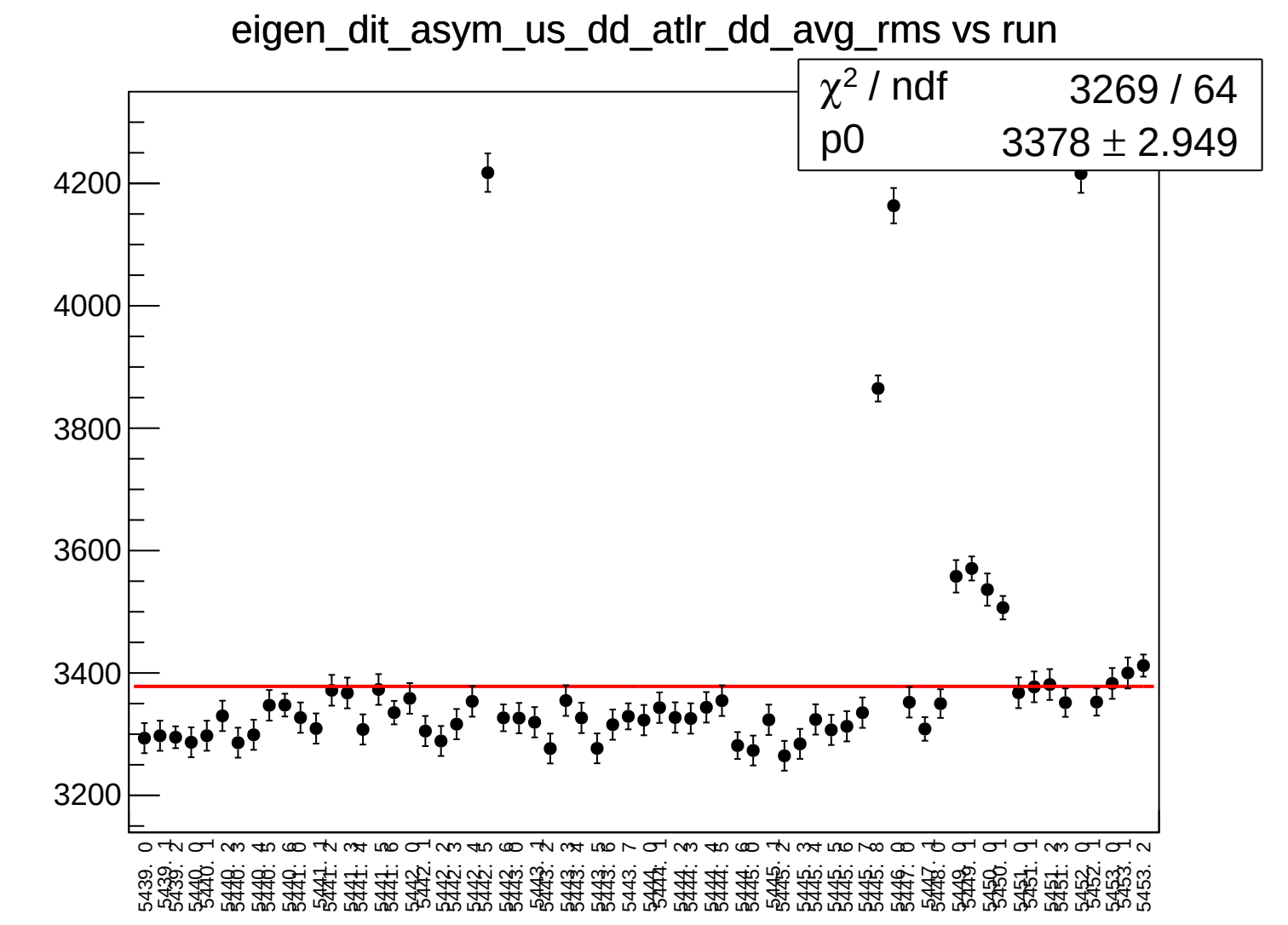

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 3269 / 64
p0 3378 ± 2.949
4200
4000
3800
3600
3400
3200

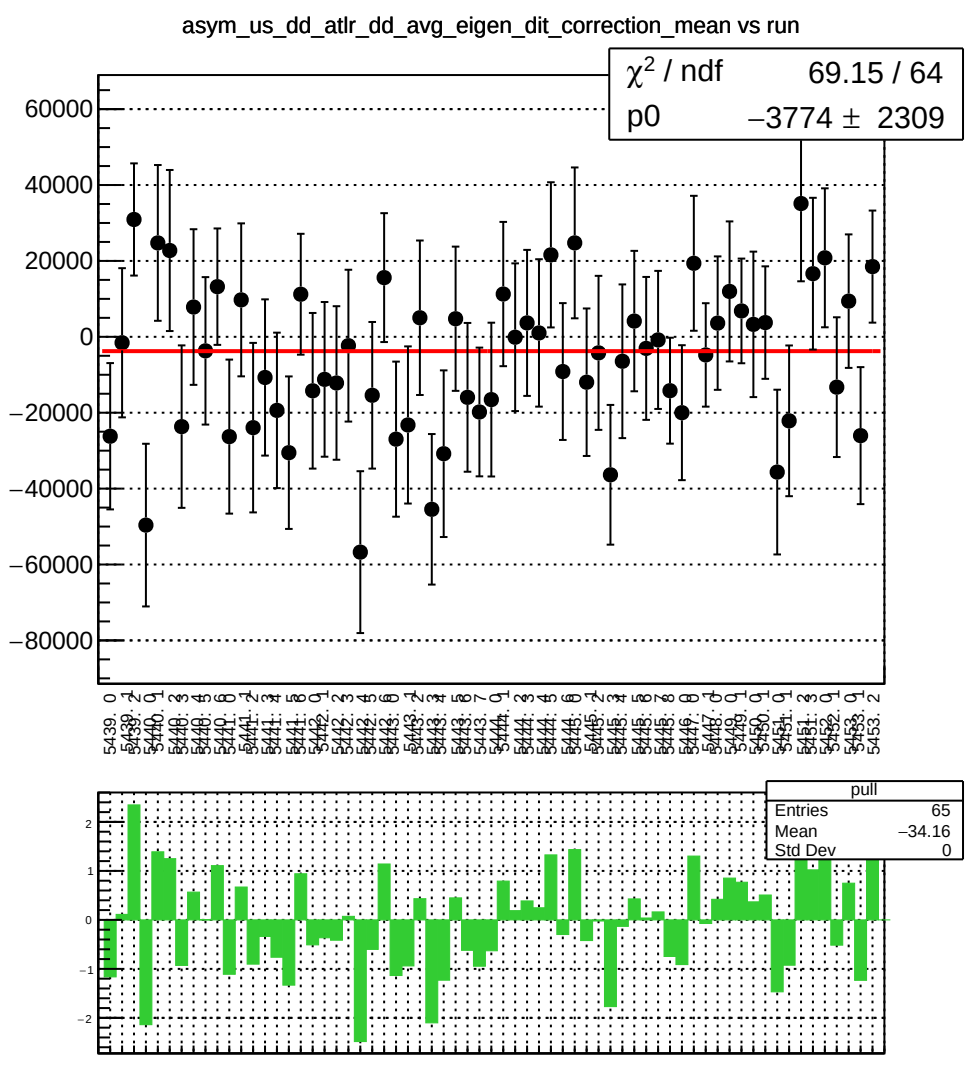

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 69.15 / 64
p0 −3774 ± 2309
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 65
Mean −34.16
Std Dev 0
2
1
0
−1
−2

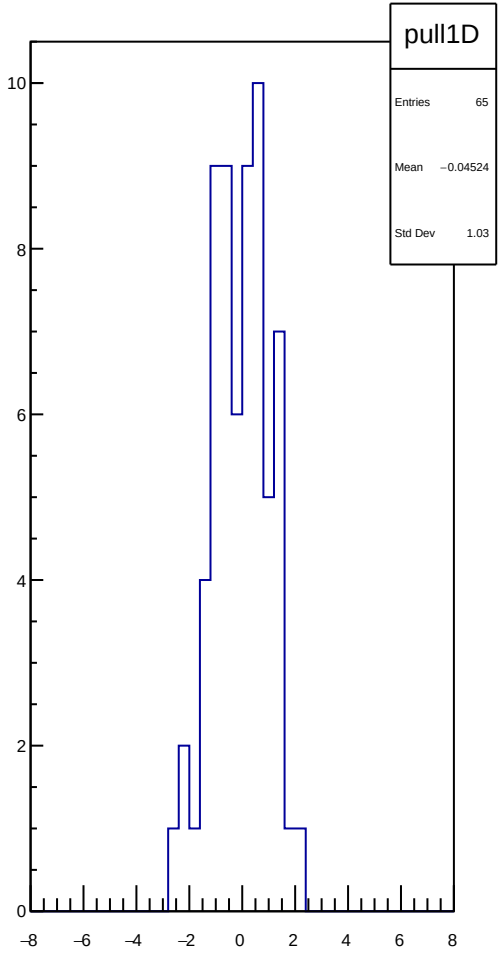

pull1D
Entries 65
Mean −0.04524
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

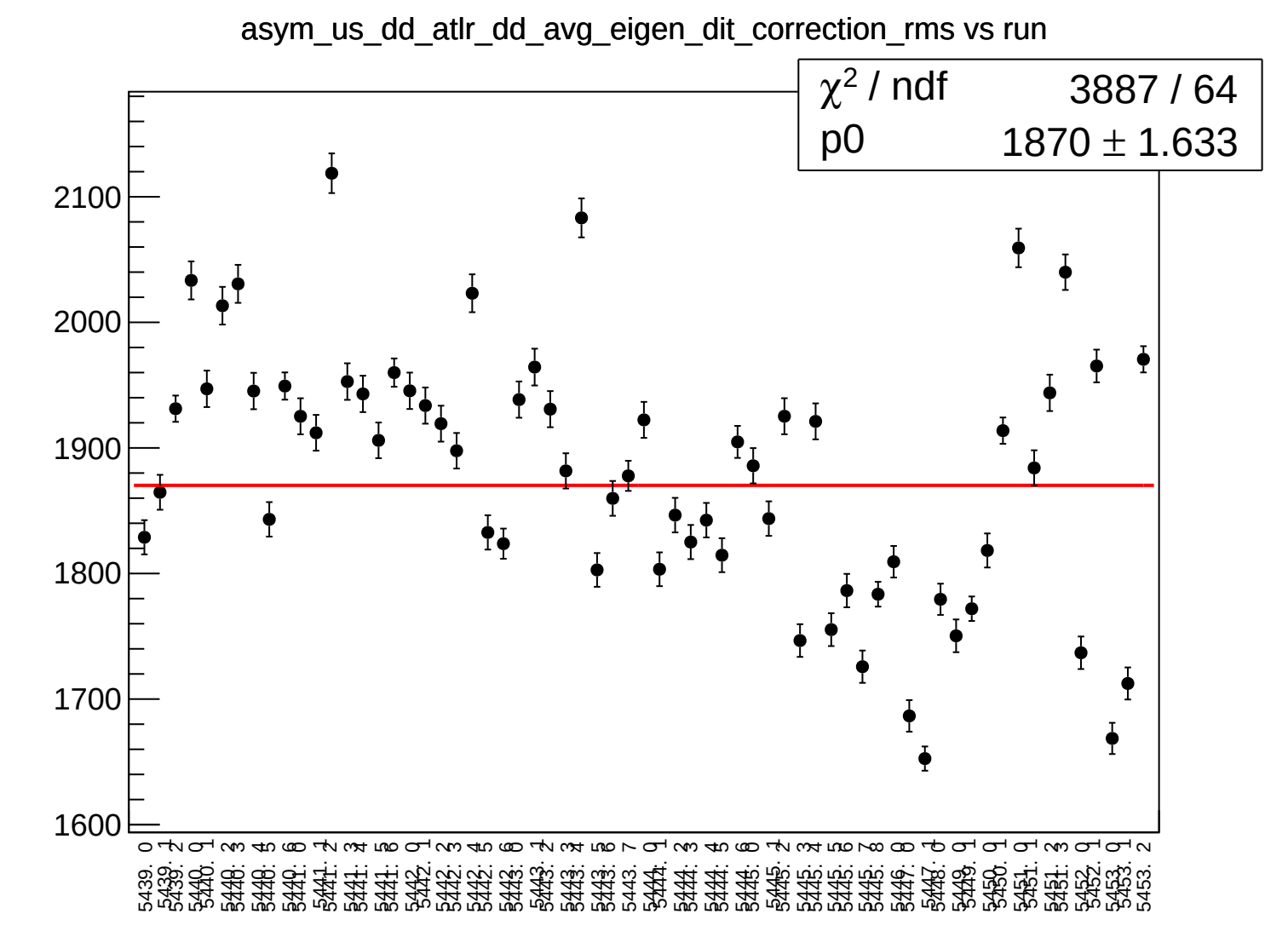

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 3887 / 64
p0 1870 ± 1.633
2100
2000
1900
1800
1700
1600
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

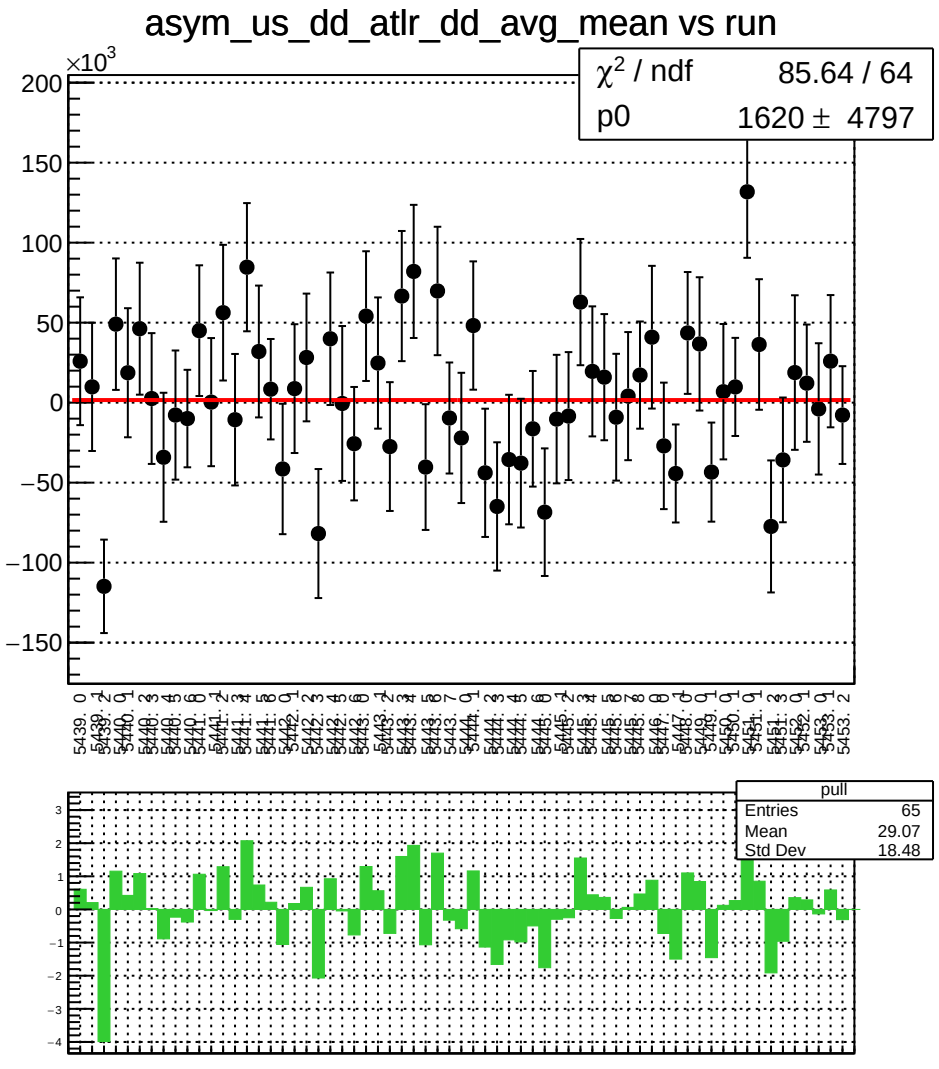

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 73.13 / 64
p0 −2380 ± 4170
150
100
50
0
−50
−100
pull
Entries 65
Mean 79.01
Std Dev 0
pull1D
Entries 65
Mean 0.03009
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

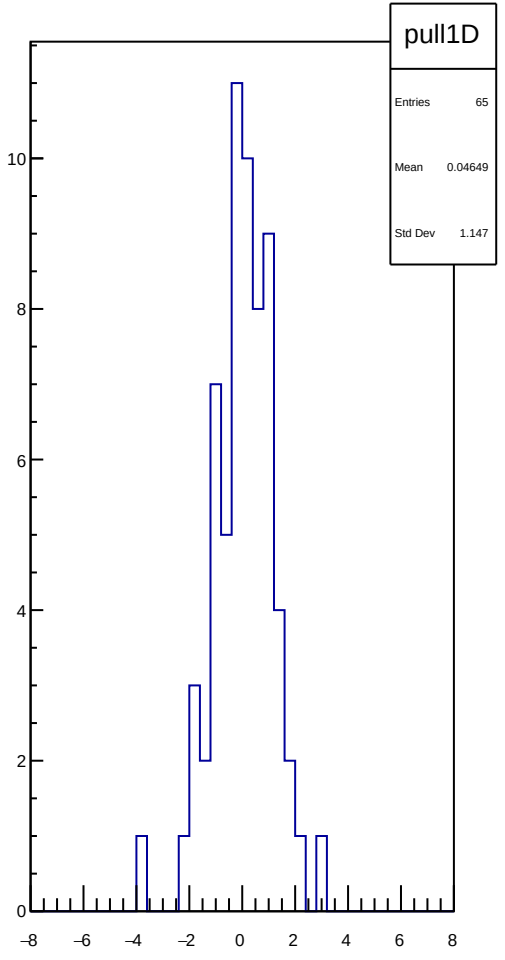

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 3269 / 64
p0 3378 ± 2.949
4200
4000
3800
3600
3400
3200

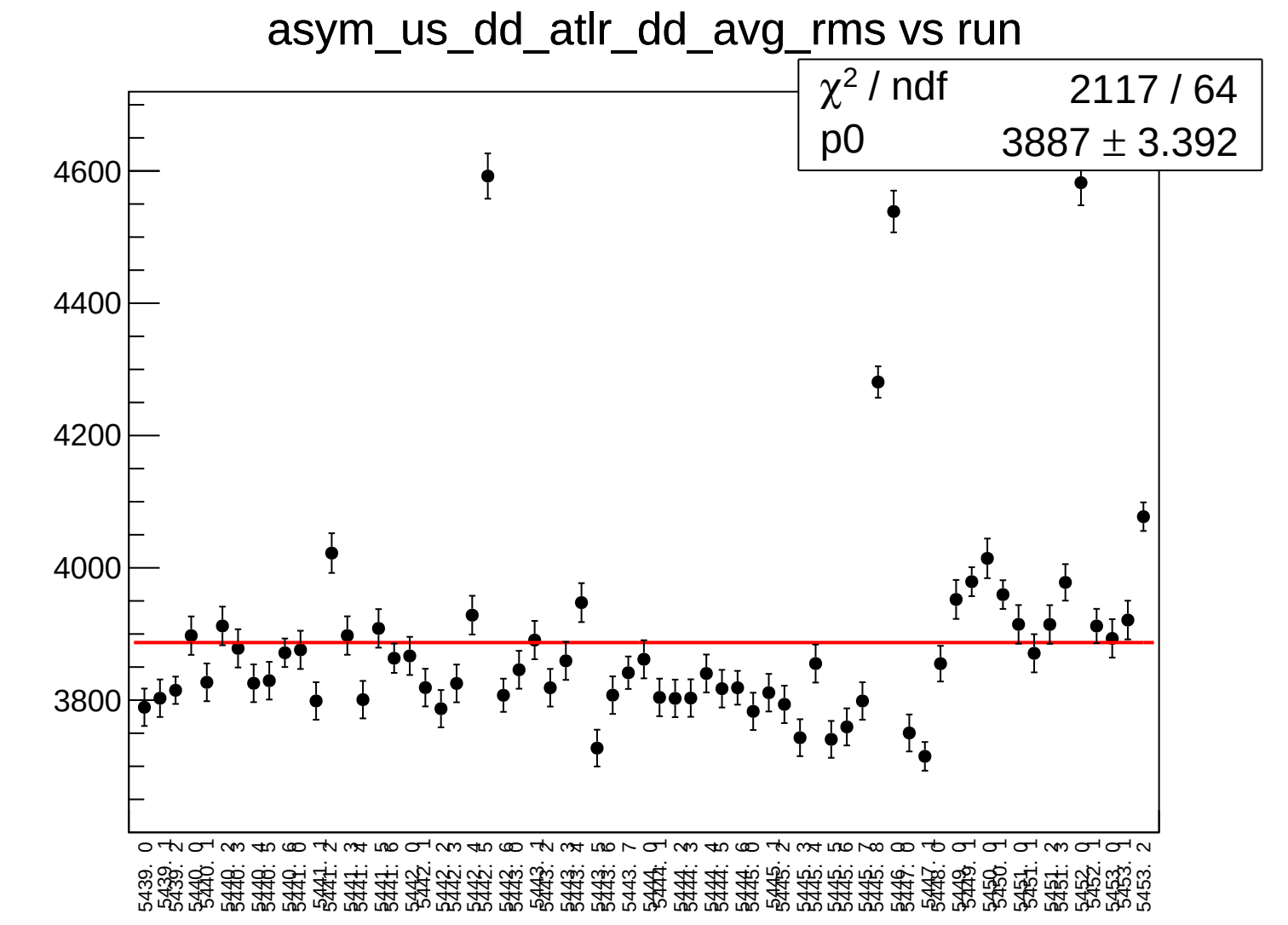

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.15 / 64
p0 −3774 ± 2309
pull
Entries 65
Mean −34.16
Std Dev 0

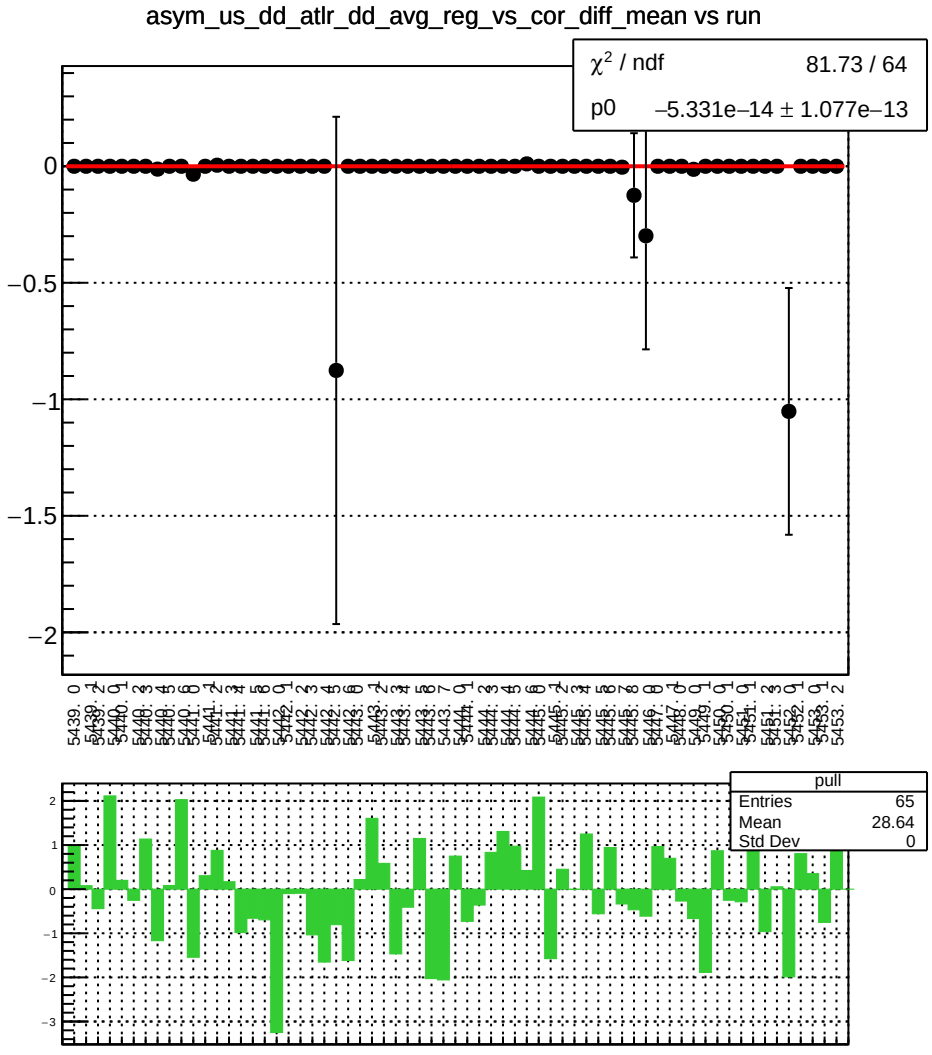

pull1D
Entries 65
Mean −0.04524
Std Dev 1.03

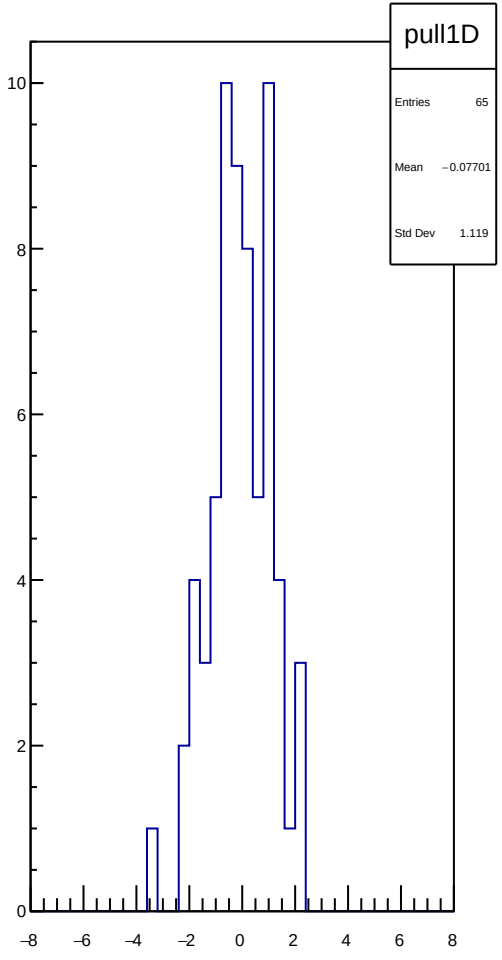

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3887 / 64
p0 1870 ± 1.633
2100
2000
1900
1800
1700
1600
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

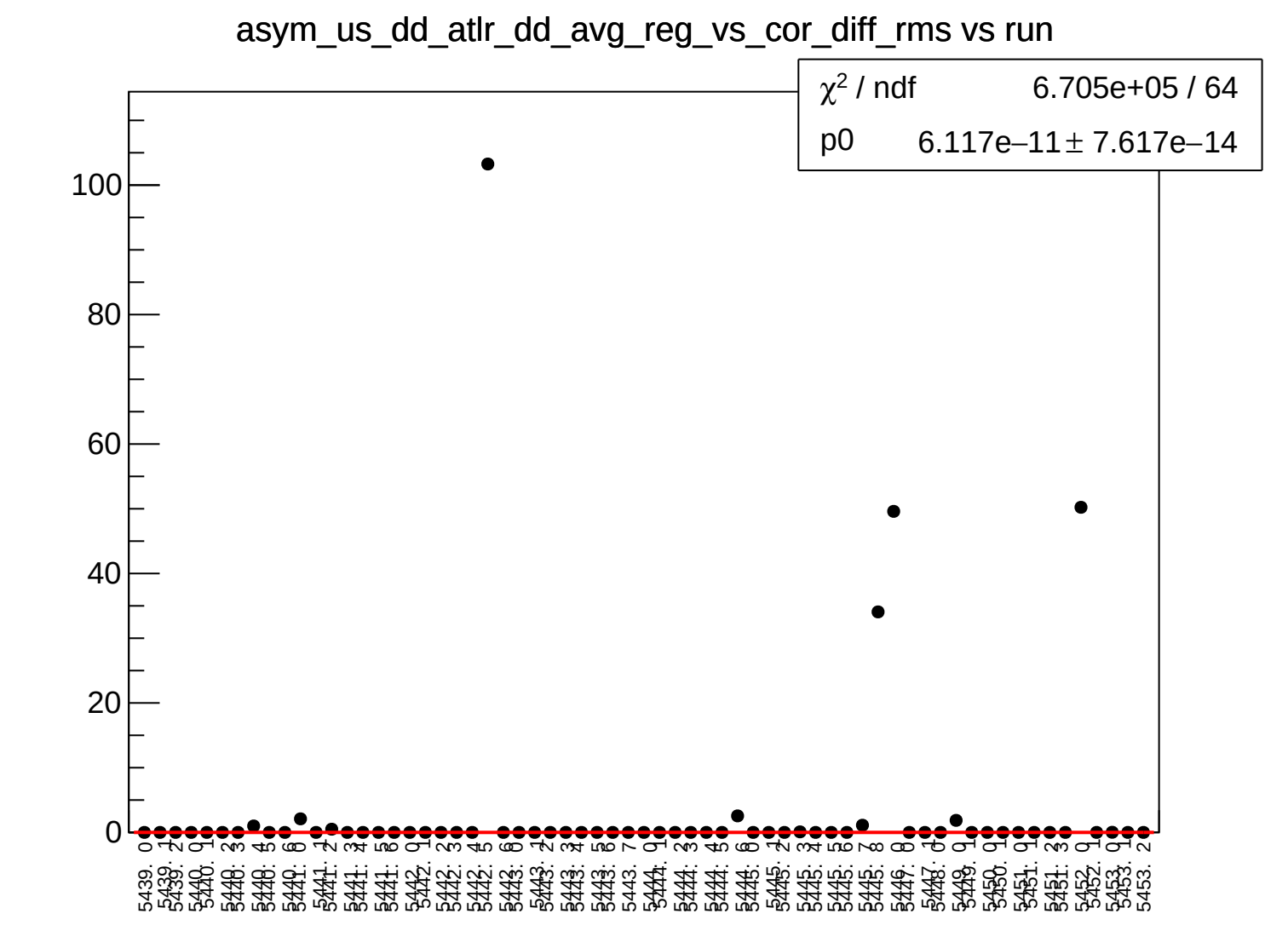

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 85.64 / 64
p0 1620 ± 4797
pull
Entries 65
Mean 29.07
Std Dev 18.48

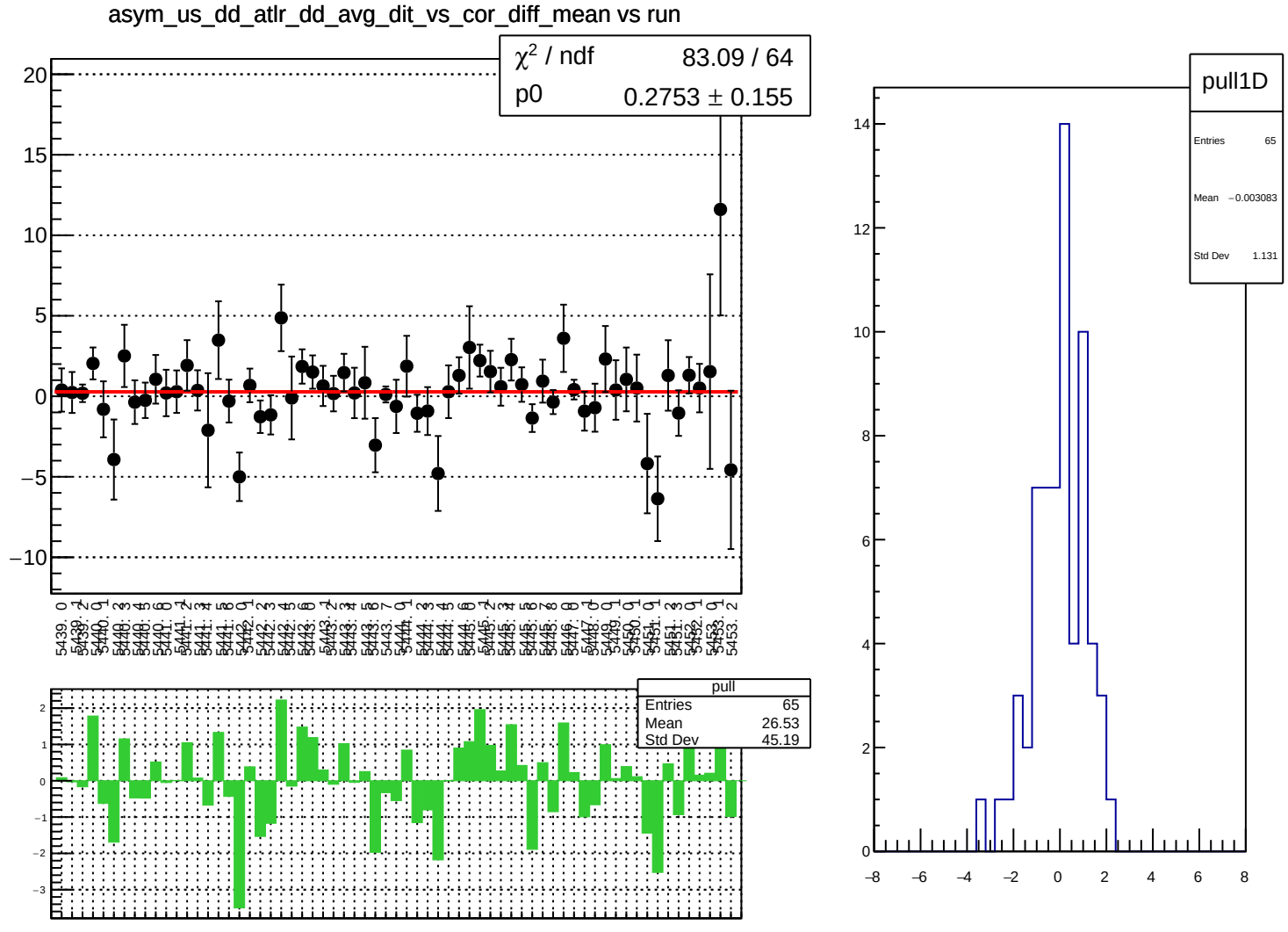

pull1D
Entries 65
Mean 0.04649
Std Dev 1.147

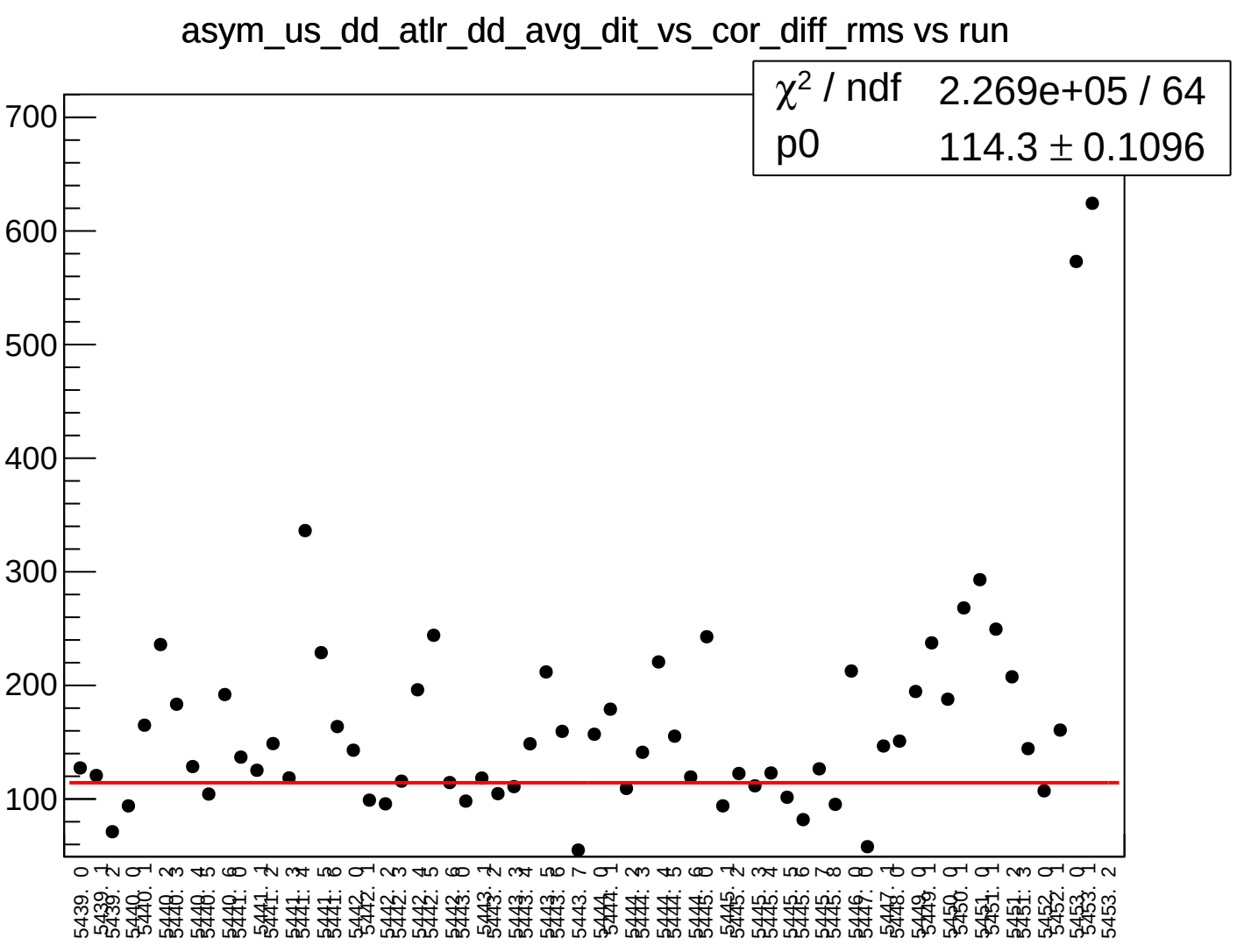

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 2117 / 64
p0 3887 ± 3.392
4600
4400
4200
4000
3800

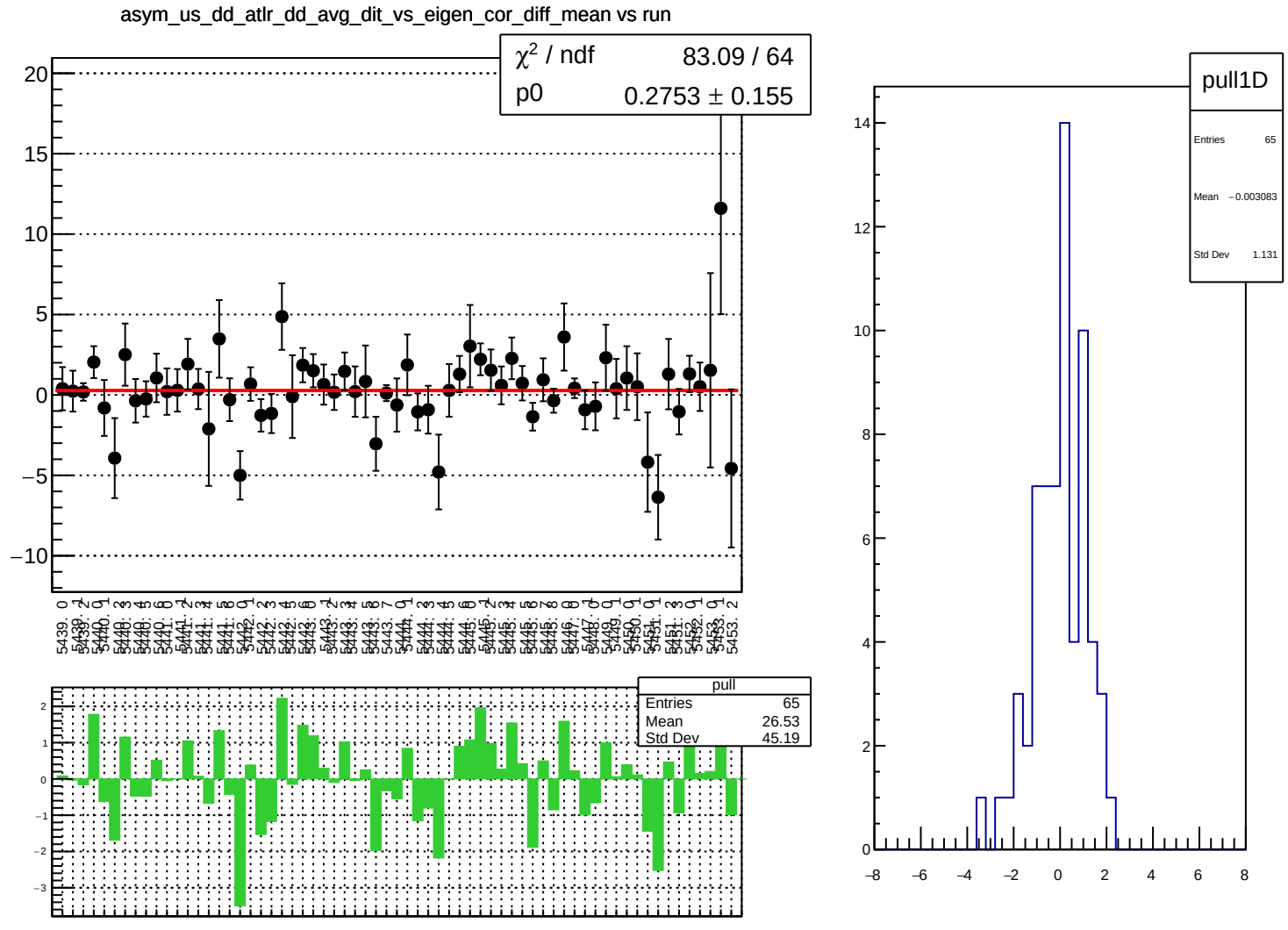

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.73 / 64
p0 −5.331e−14 ± 1.077e−13
pull
Entries 65
Mean 28.64
Std Dev 0

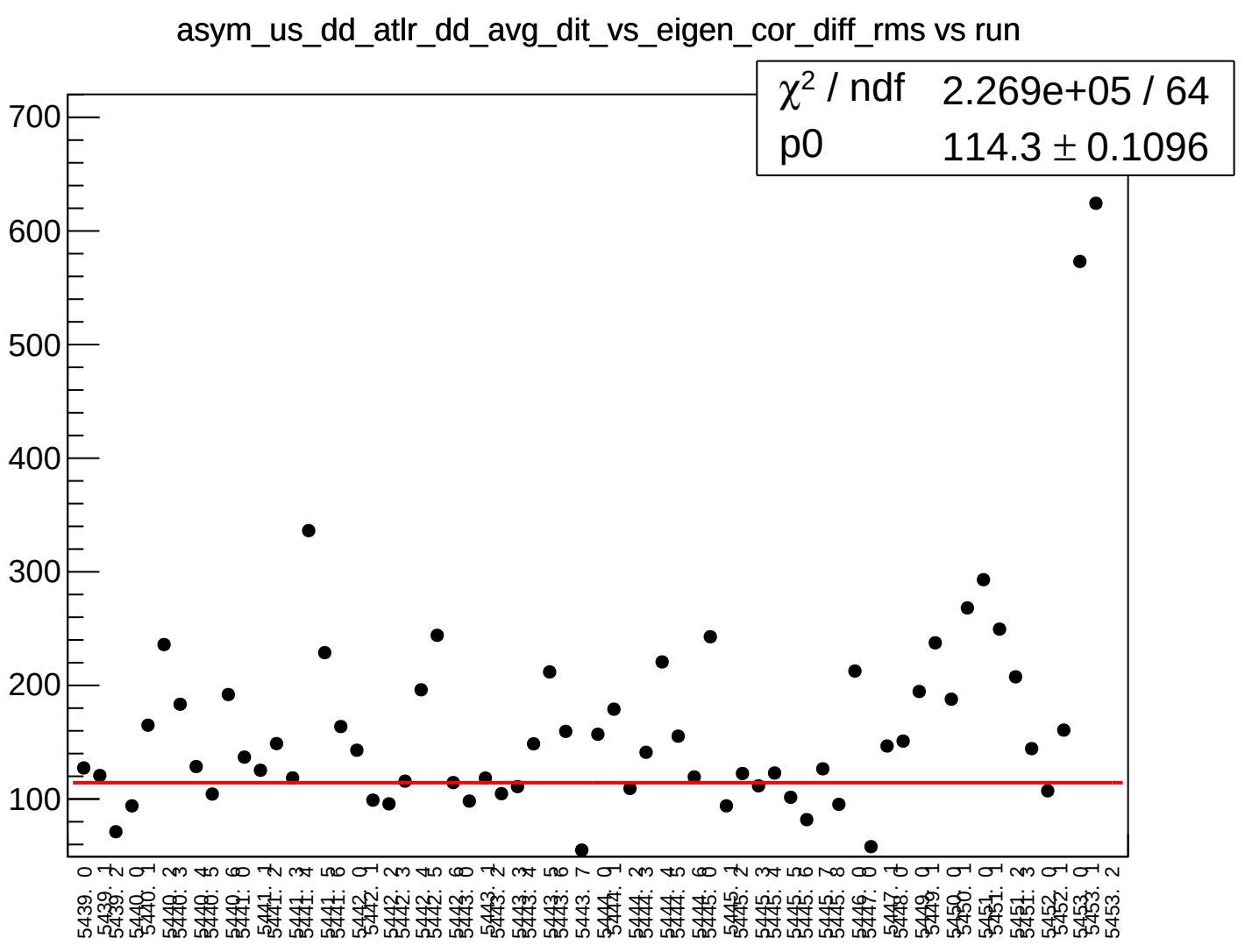

pull1D
Entries 65
Mean −0.07701
Std Dev 1.119

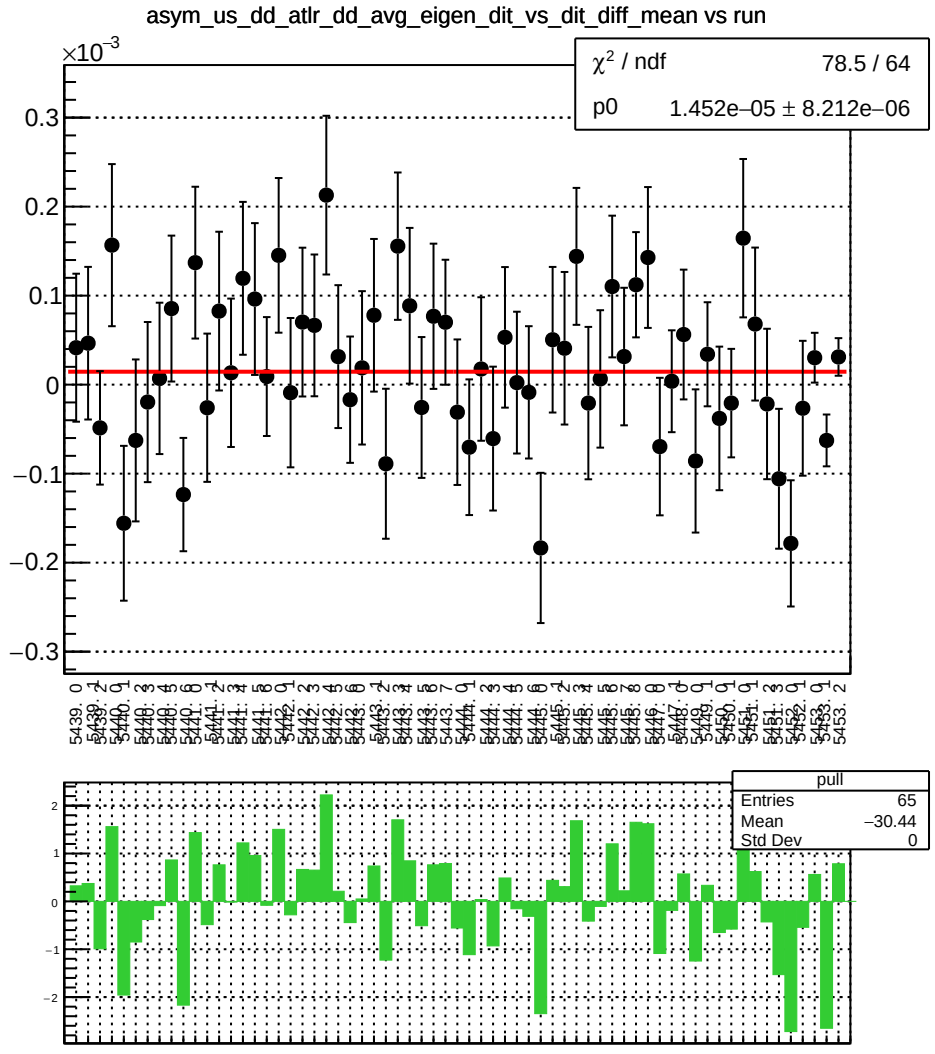

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.705e+05 / 64
p0 6.117e−11 ± 7.617e−14
100
80
60
40
20
0

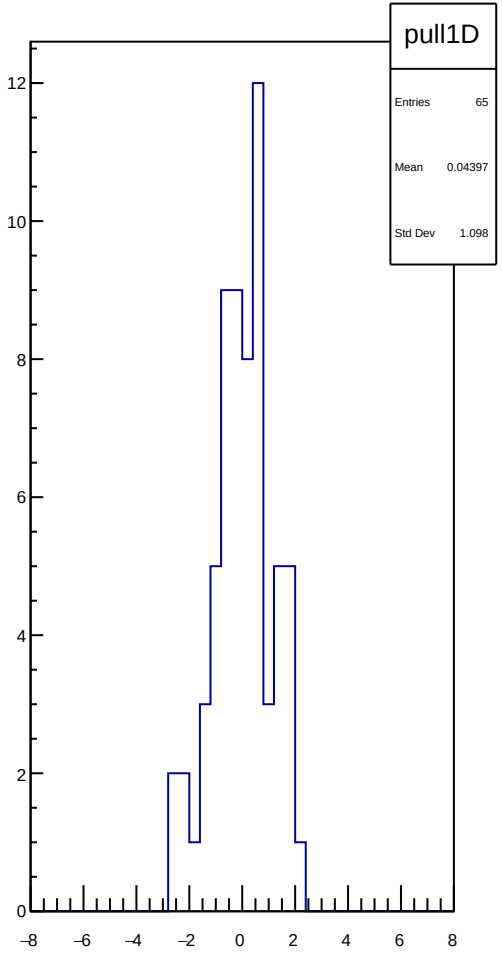

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.09 / 64
p0 0.2753 ± 0.155
pull
Entries 65
Mean 26.53
Std Dev 45.19
pull1D
Entries 65
Mean −0.003083
Std Dev 1.131

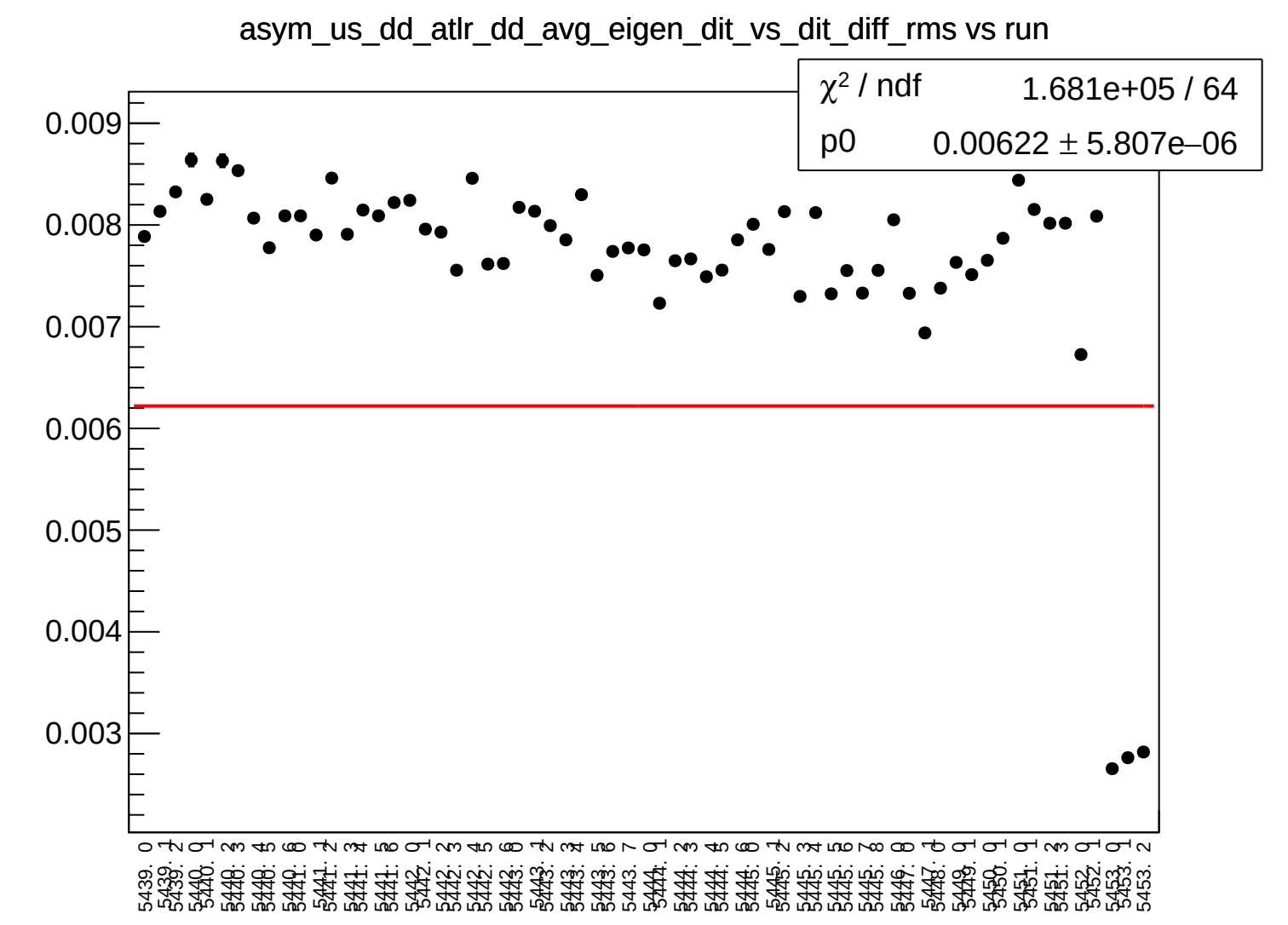

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.269e+05 / 64
p0 114.3 ± 0.1096
700
600
500
400
300
200
100

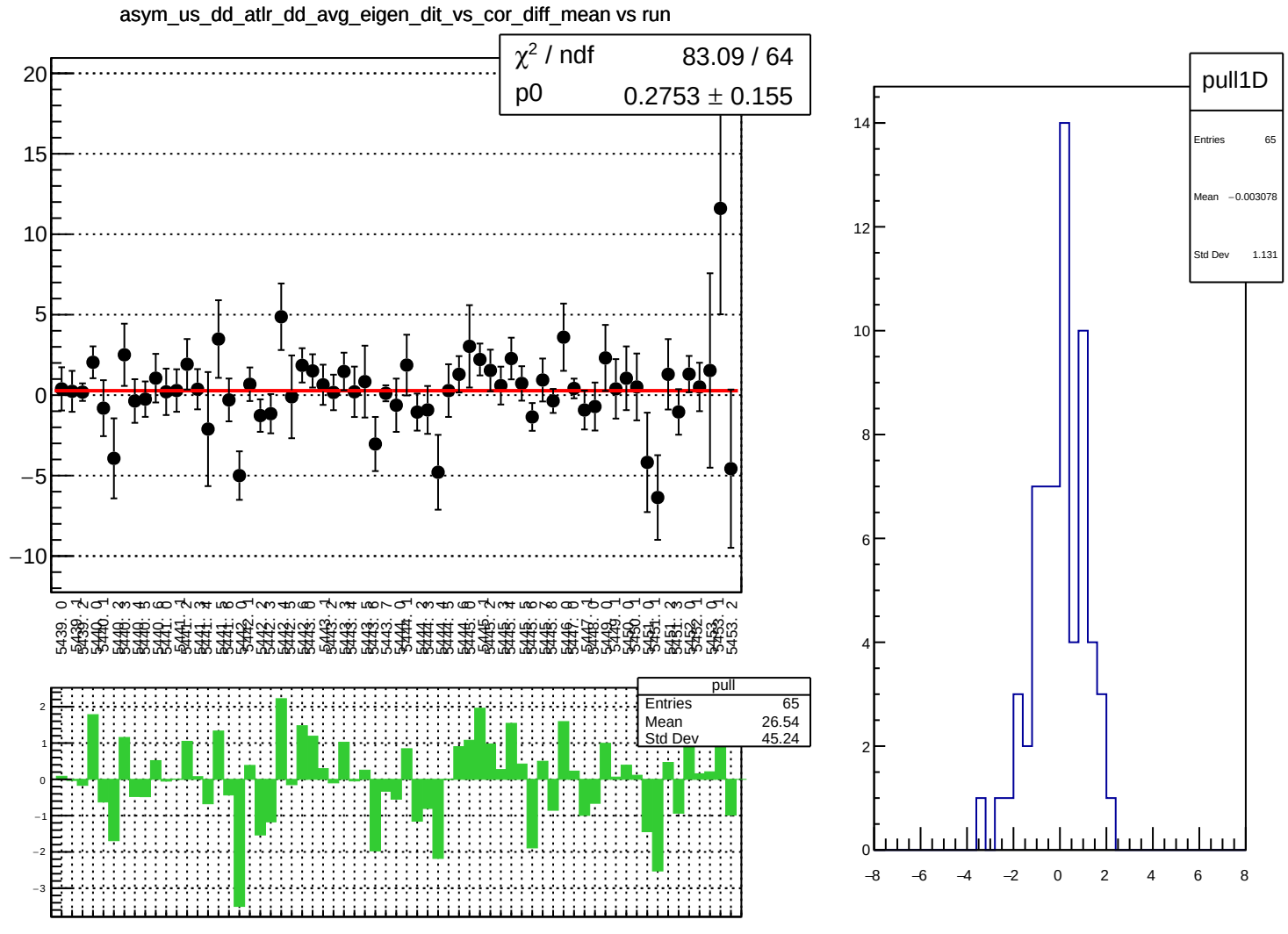

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.09 / 64
p0 0.2753 ± 0.155
pull
Entries 65
Mean 26.53
Std Dev 45.19
pull1D
Entries 65
Mean −0.003083
Std Dev 1.131

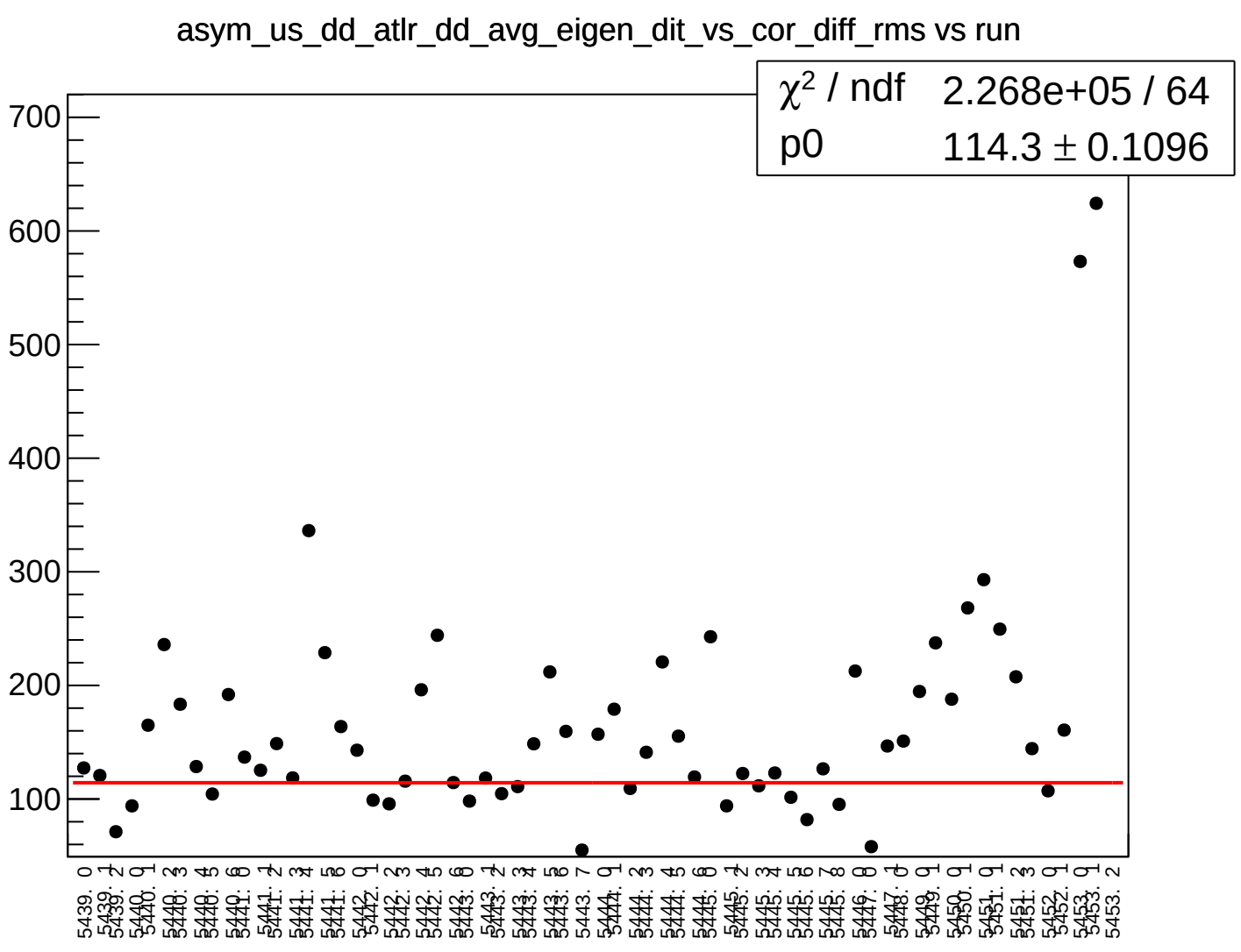

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.269e+05 / 64
p0 114.3 ± 0.1096
700
600
500
400
300
200
100

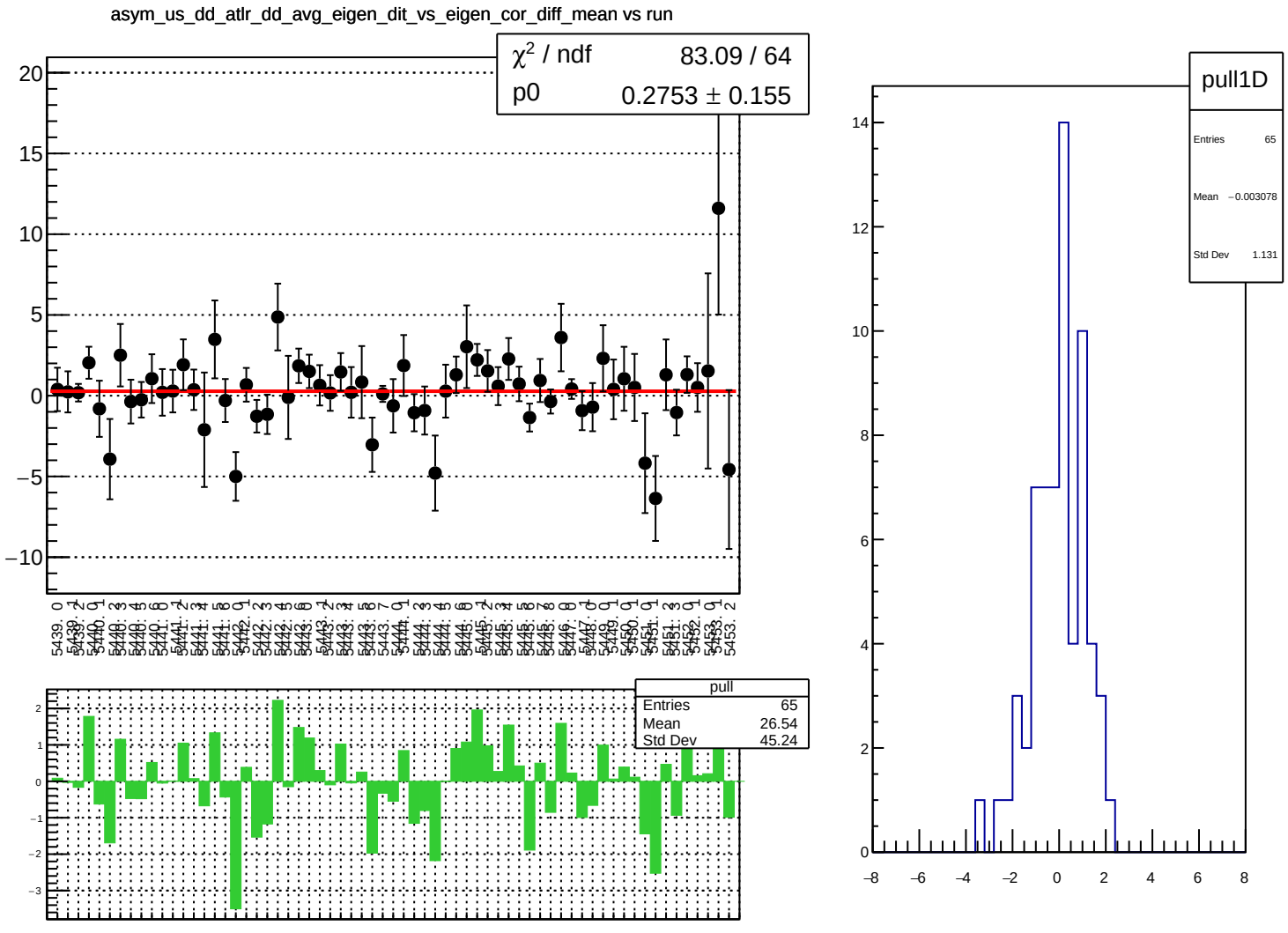

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.5 / 64
p0 1.452e−05 ± 8.212e−06
pull
Entries 65
Mean −30.44
Std Dev 0

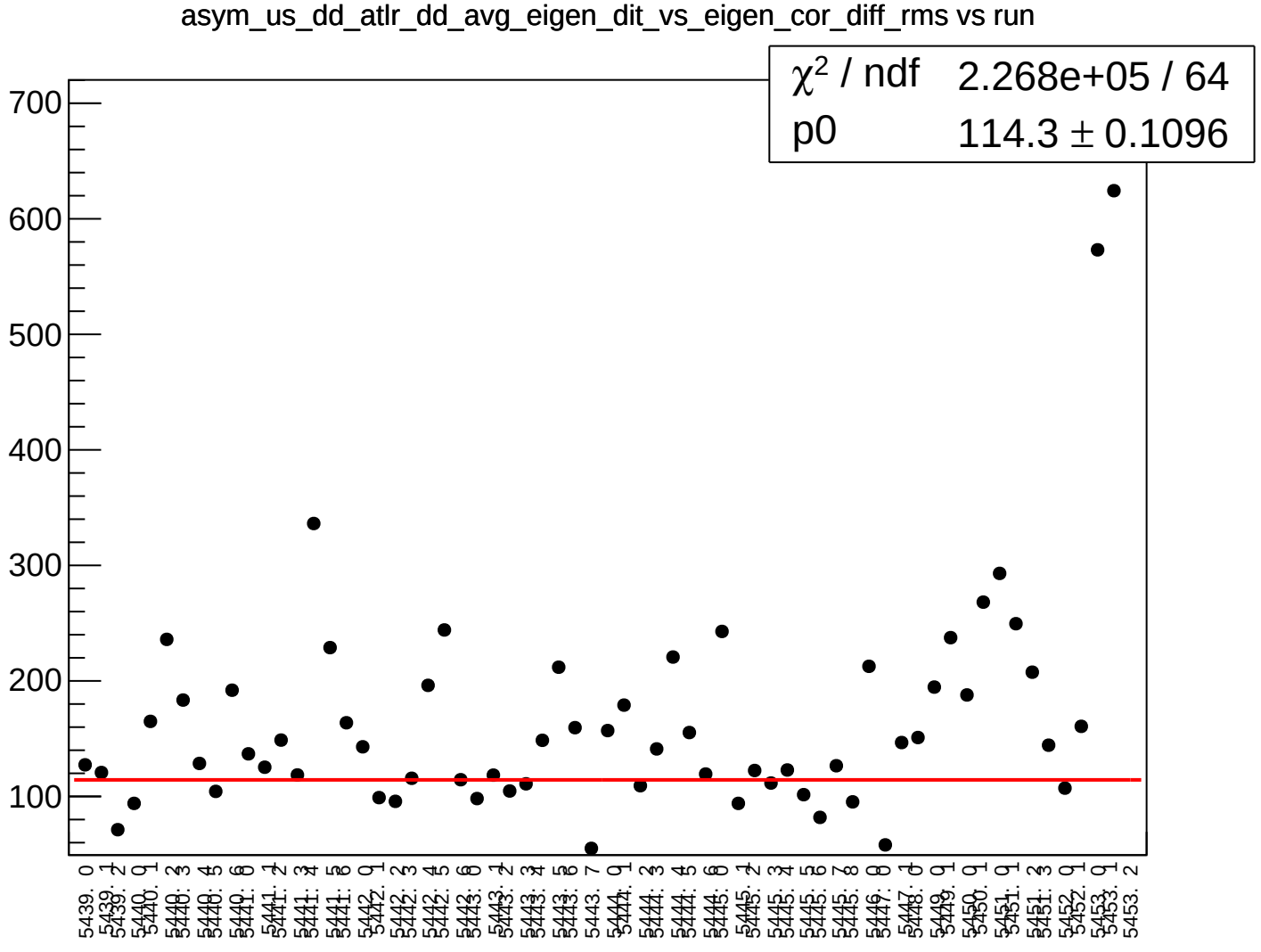

pull1D
Entries 65
Mean 0.04397
Std Dev 1.098

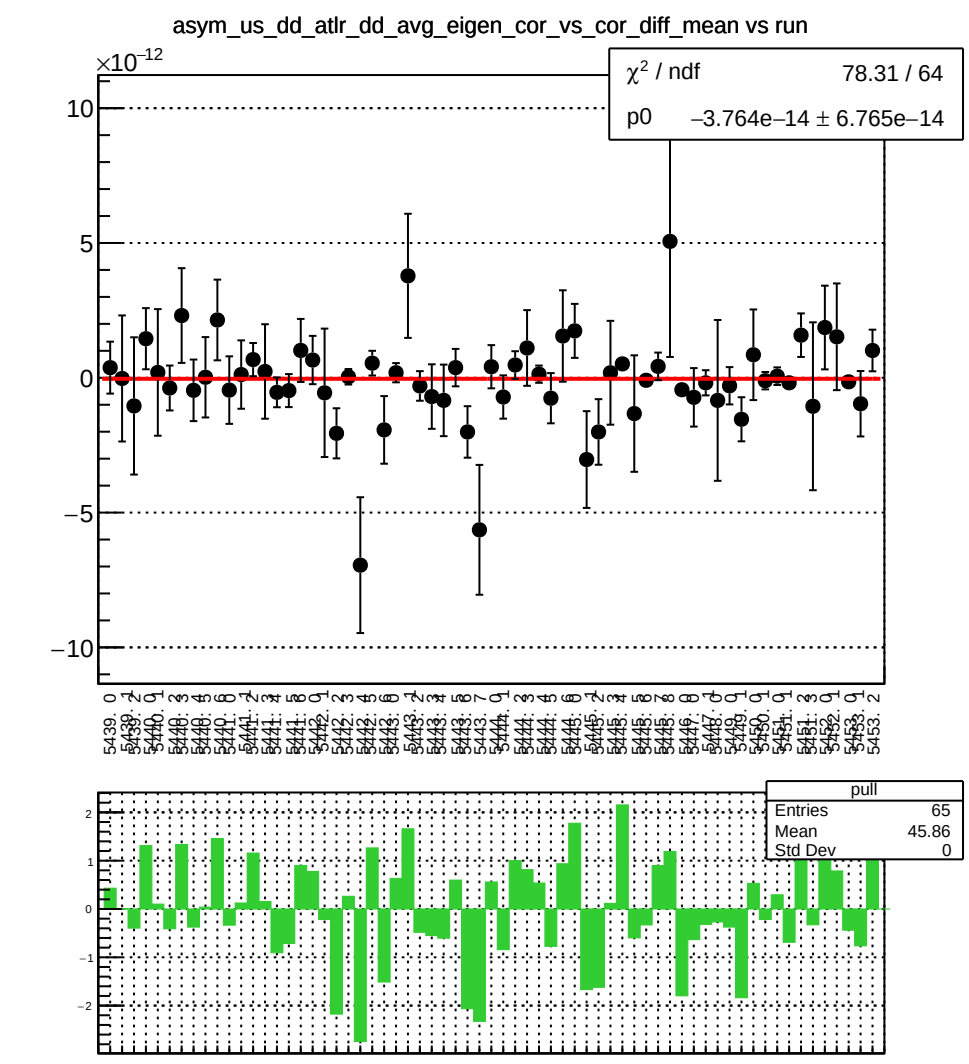

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.681e+05 / 64
p0 0.00622 ± 5.807e–06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

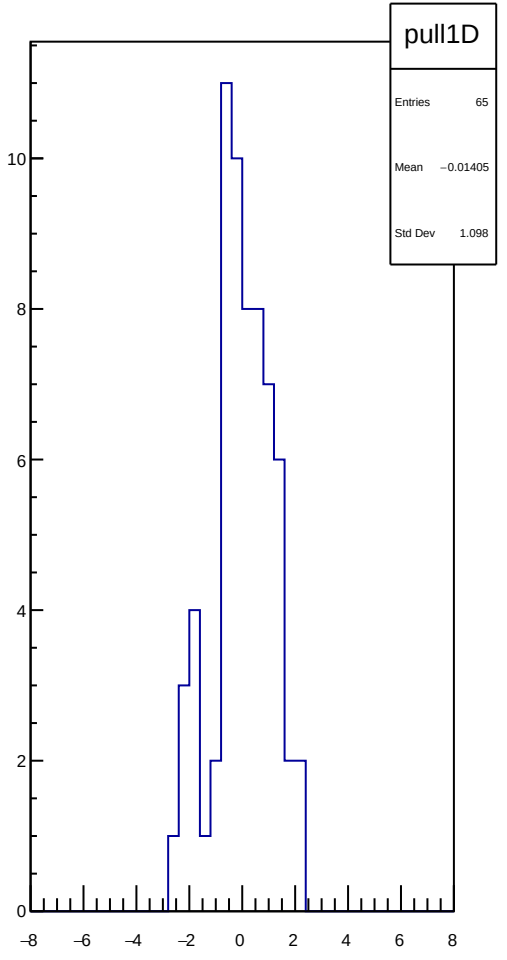

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.09 / 64
p0 0.2753 ± 0.155
pull
Entries 65
Mean 26.54
Std Dev 45.24
pull1D
Entries 65
Mean −0.003078
Std Dev 1.131

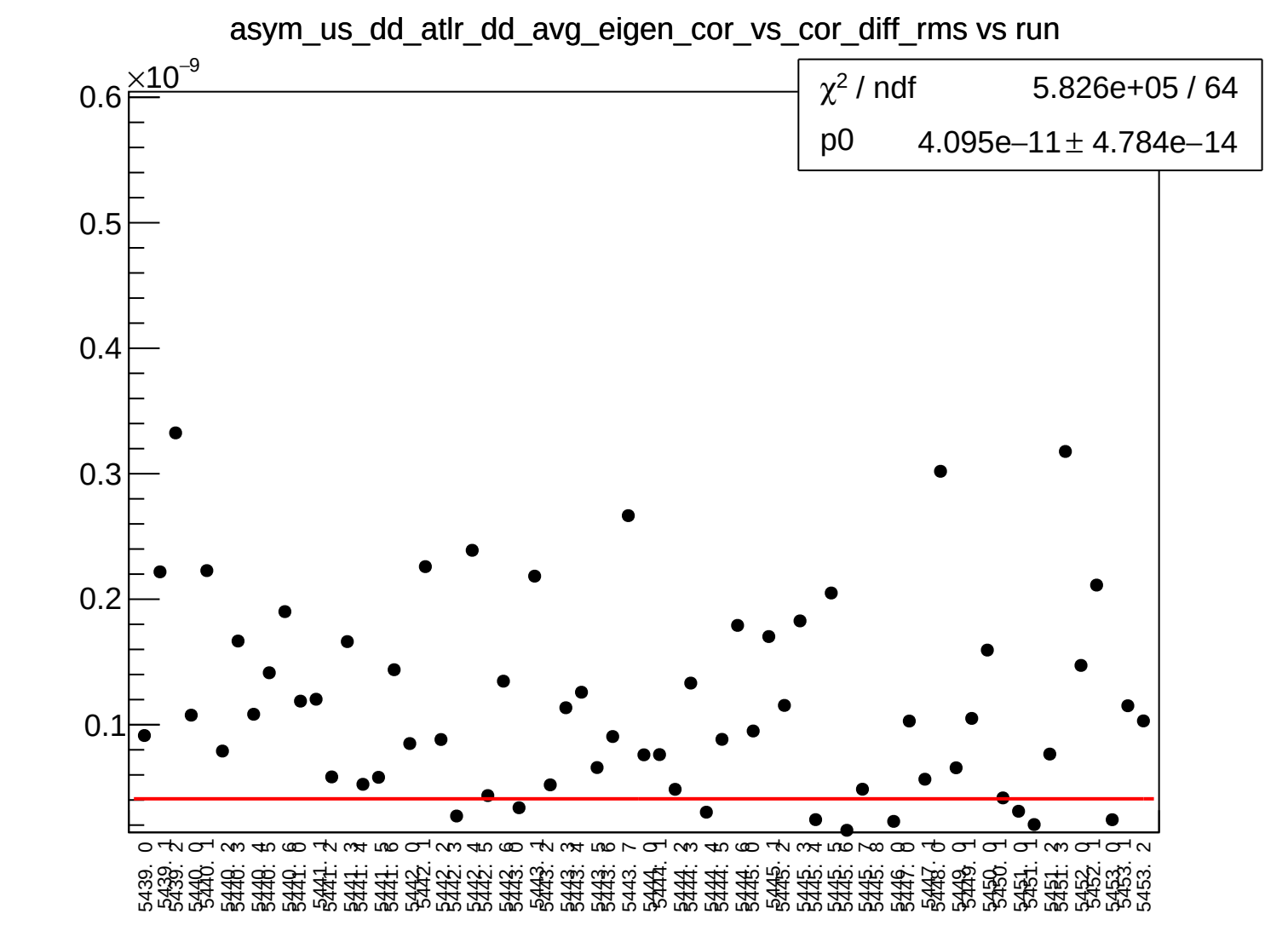

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.268e+05 / 64
p0 114.3 ± 0.1096
700
600
500
400
300
200
100

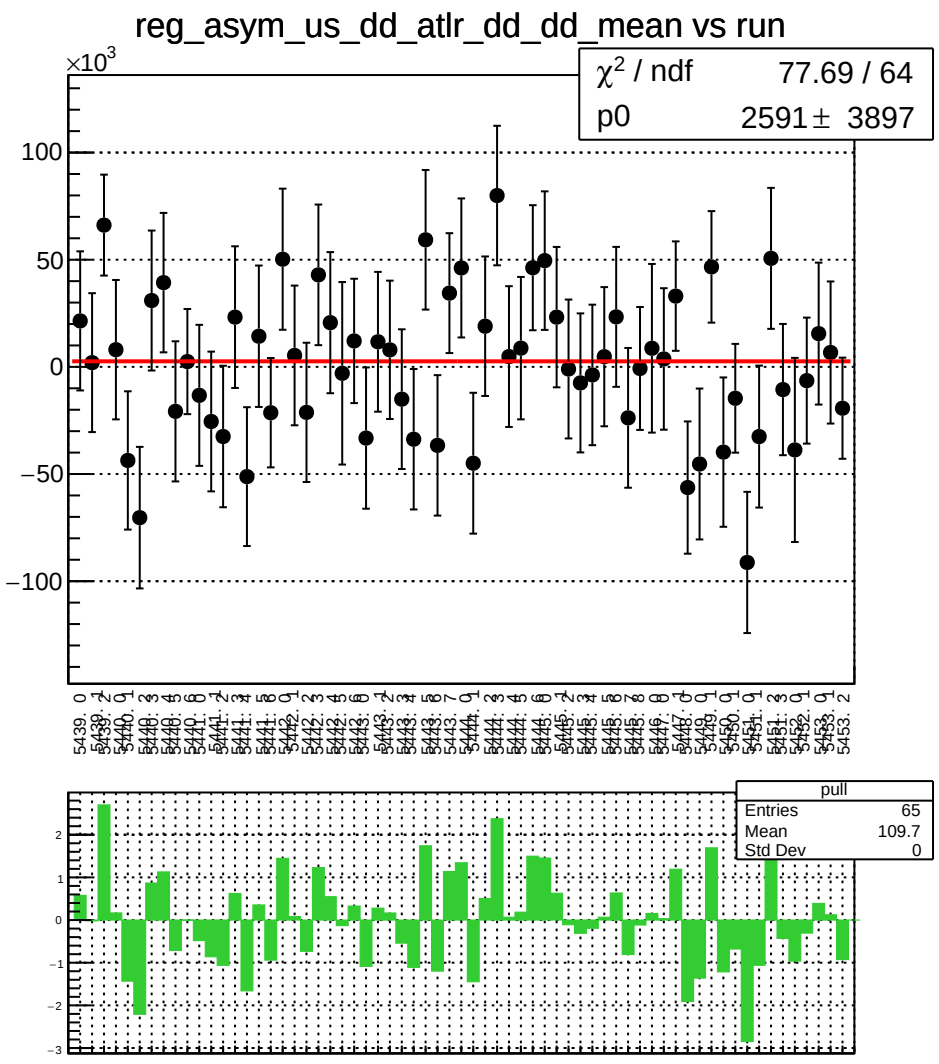

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.09 / 64
p0 0.2753 ± 0.155
pull
Entries 65
Mean 26.54
Std Dev 45.24
pull1D
Entries 65
Mean −0.003078
Std Dev 1.131

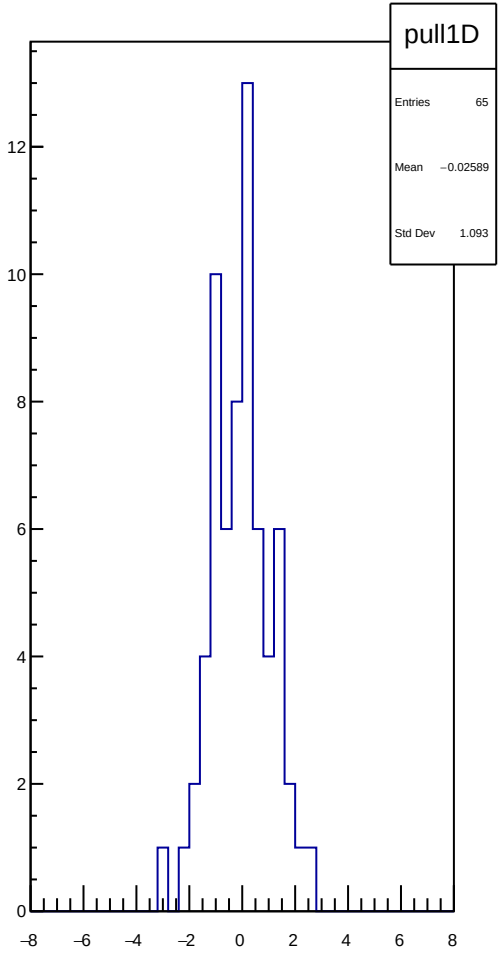

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.268e+05 / 64
p0 114.3 ± 0.1096
700
600
500
400
300
200
100

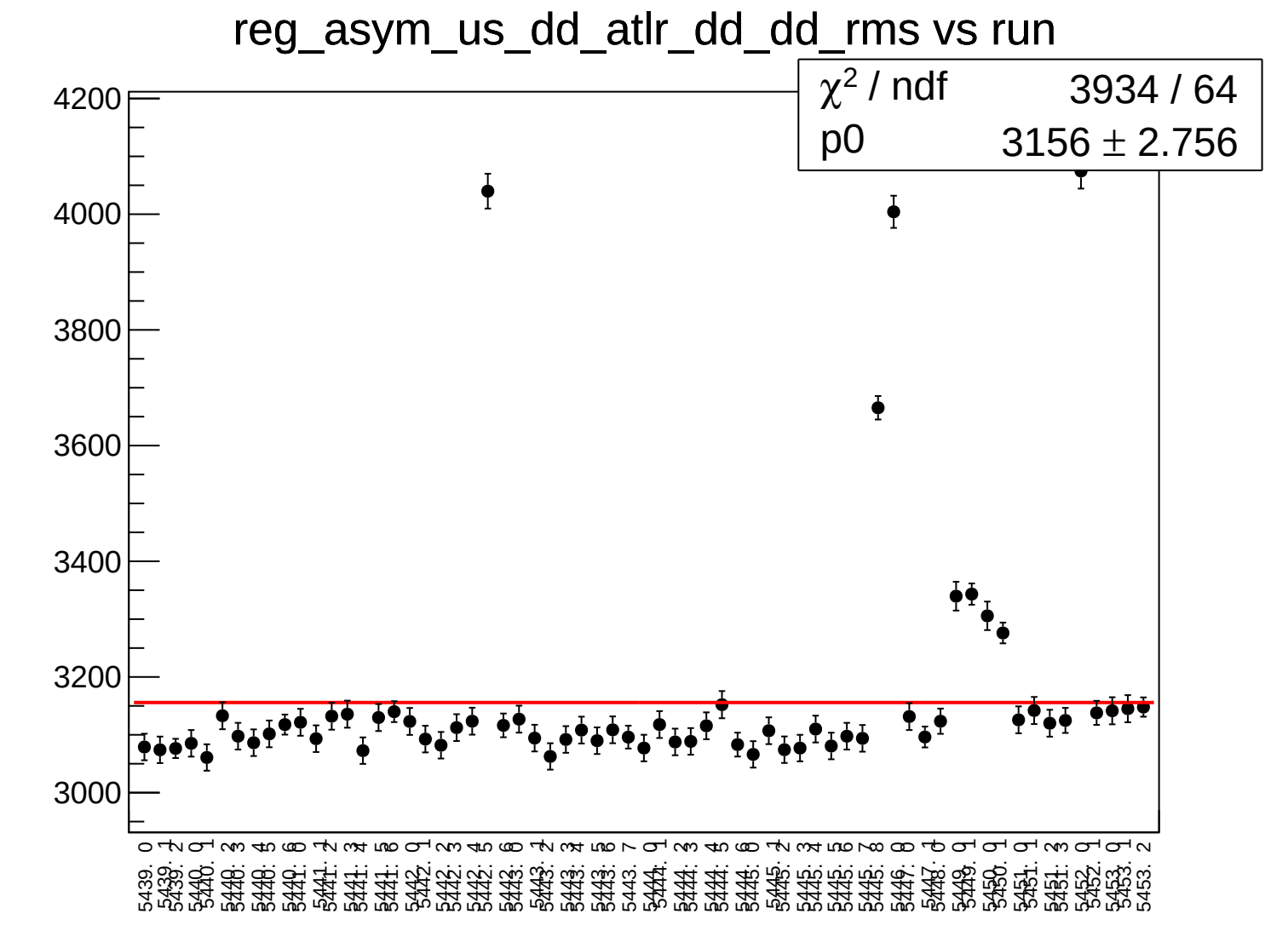

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.31 / 64
p0 −3.764e−14 ± 6.765e−14
pull
Entries 65
Mean 45.86
Std Dev 0

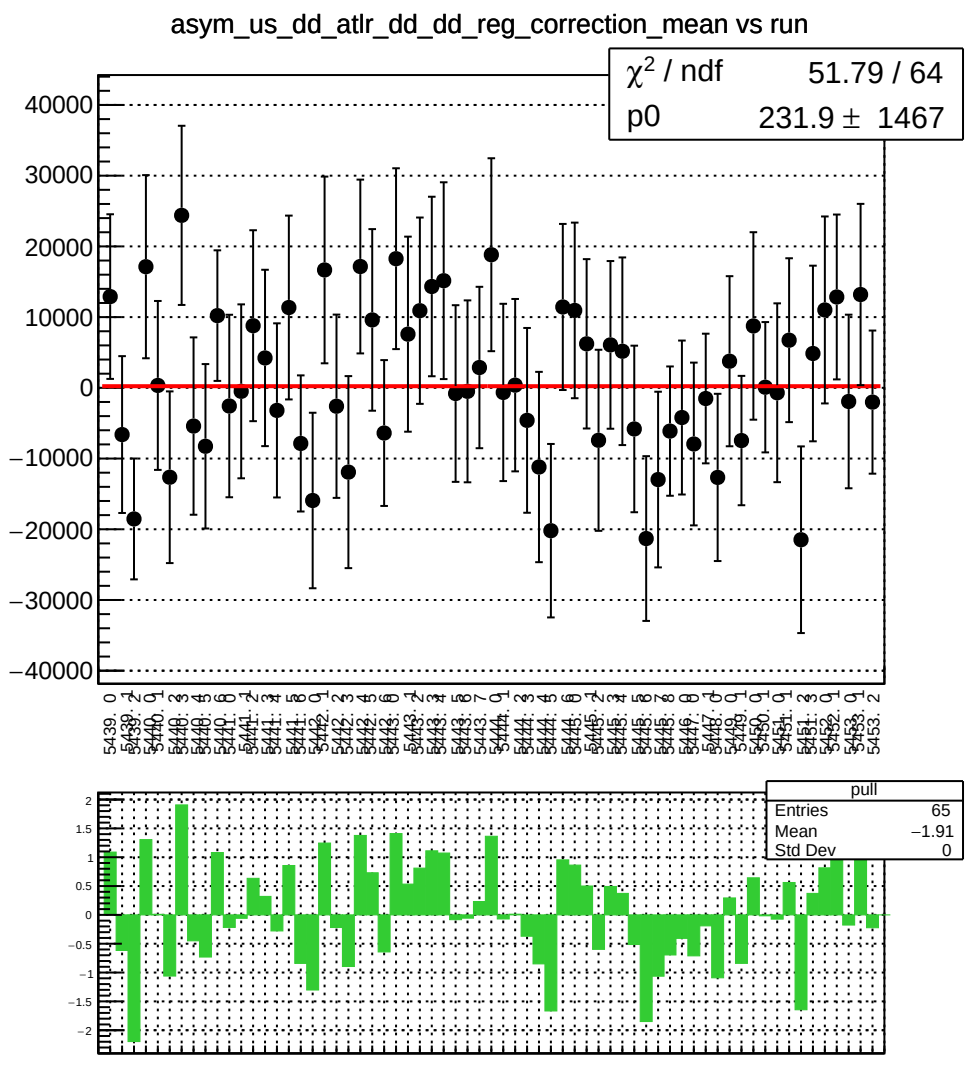

pull1D
Entries 65
Mean −0.01405
Std Dev 1.098

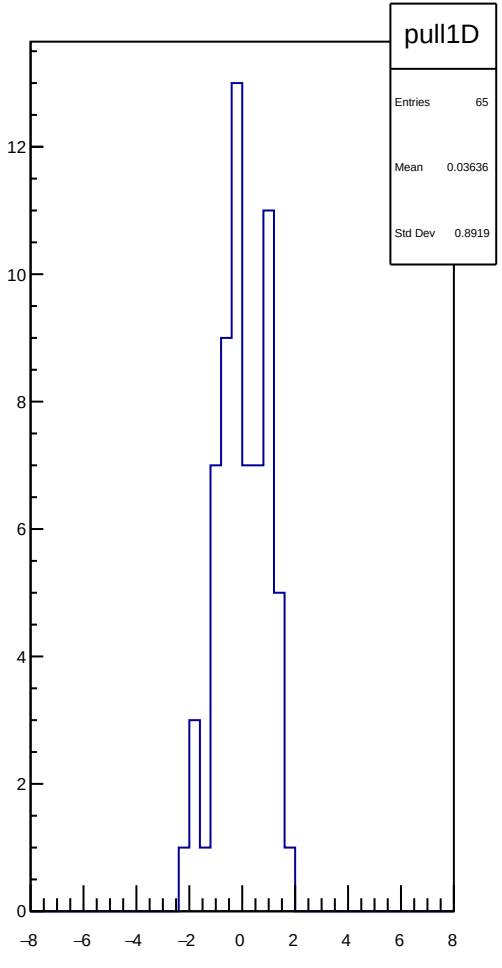

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.826e+05 / 64
p0 4.095e−11 ± 4.784e−14
0.6
0.5
0.4
0.3
0.2
0.1

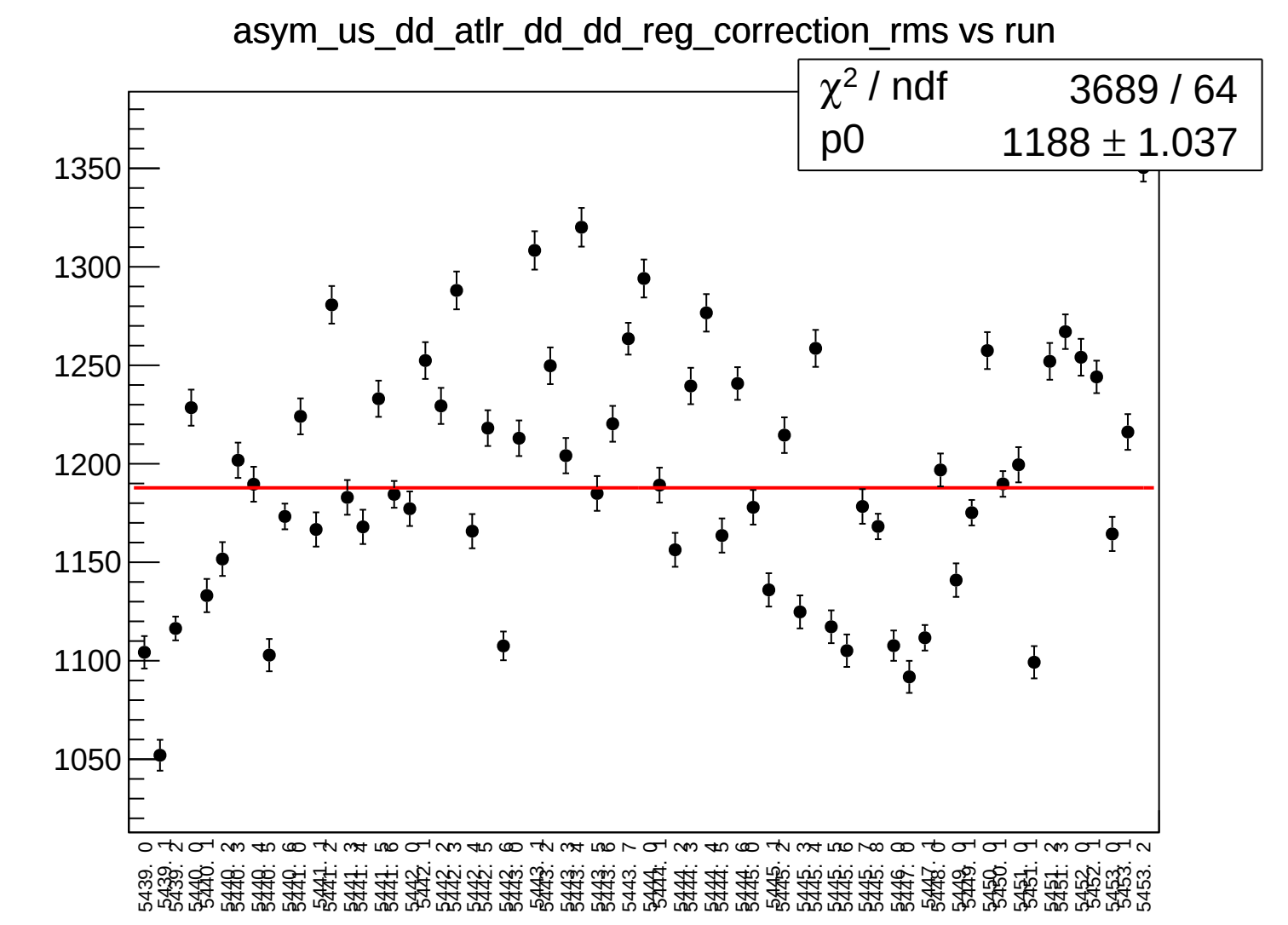

reg_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ^2 / ndf 77.69 / 64
p0 2591 ± 3897
100
50
0
−50
−100
pull
Entries 65
Mean 109.7
Std Dev 0
2
1
0
−1
−2
−3

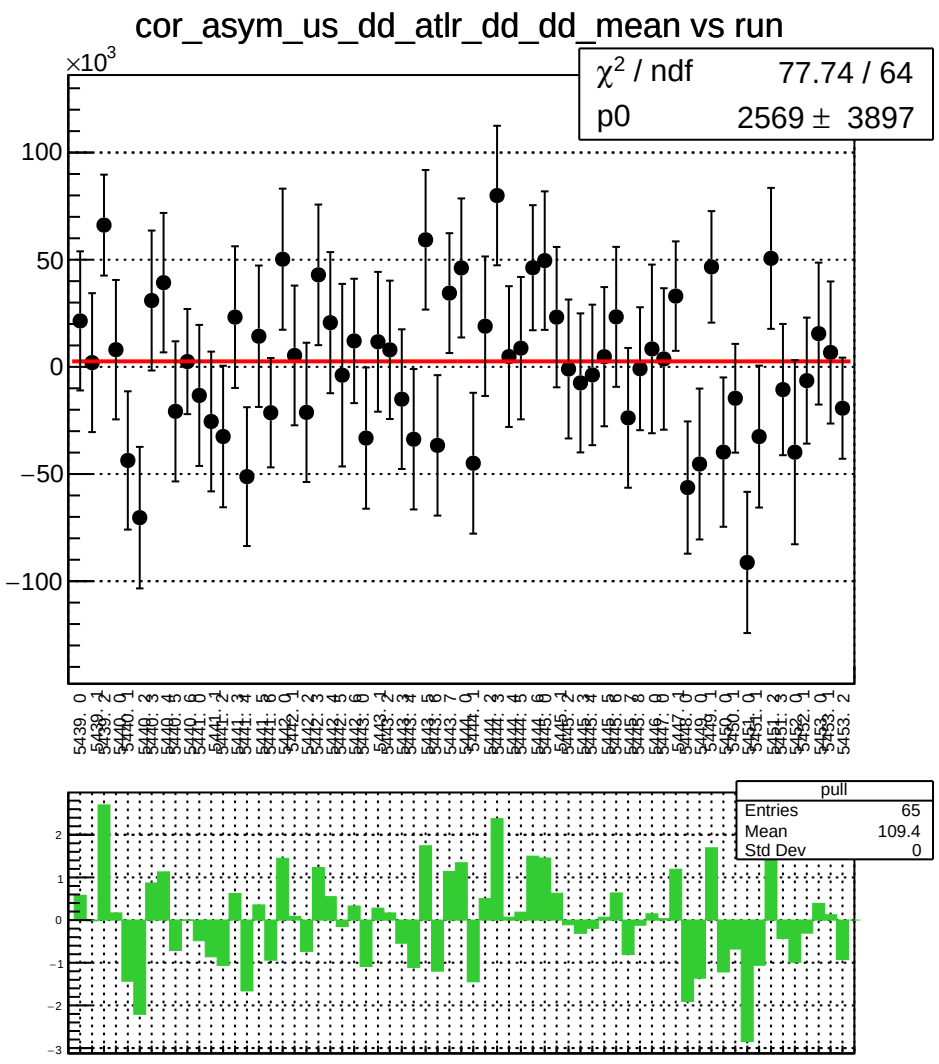

pull1D
Entries 65
Mean −0.02589
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

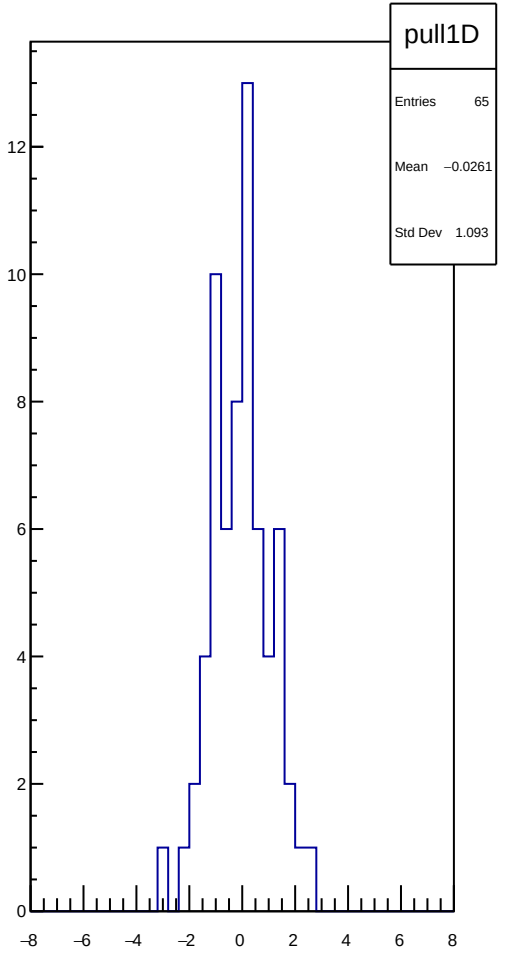

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3934 / 64
p0 3156 ± 2.756
4200
4000
3800
3600
3400
3200
3000

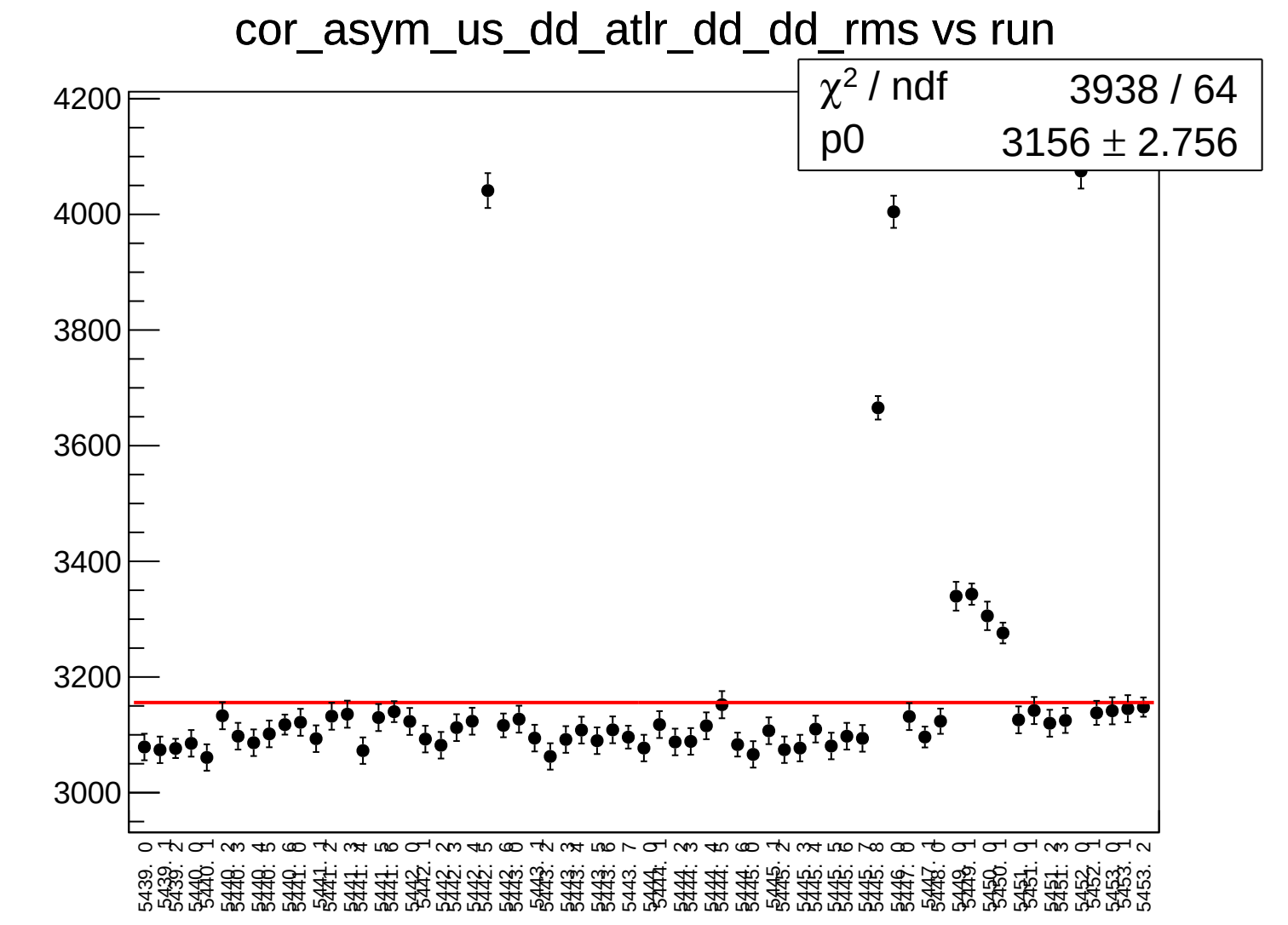

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 51.79 / 64
p0 231.9 ± 1467
pull
Entries 65
Mean −1.91
Std Dev 0

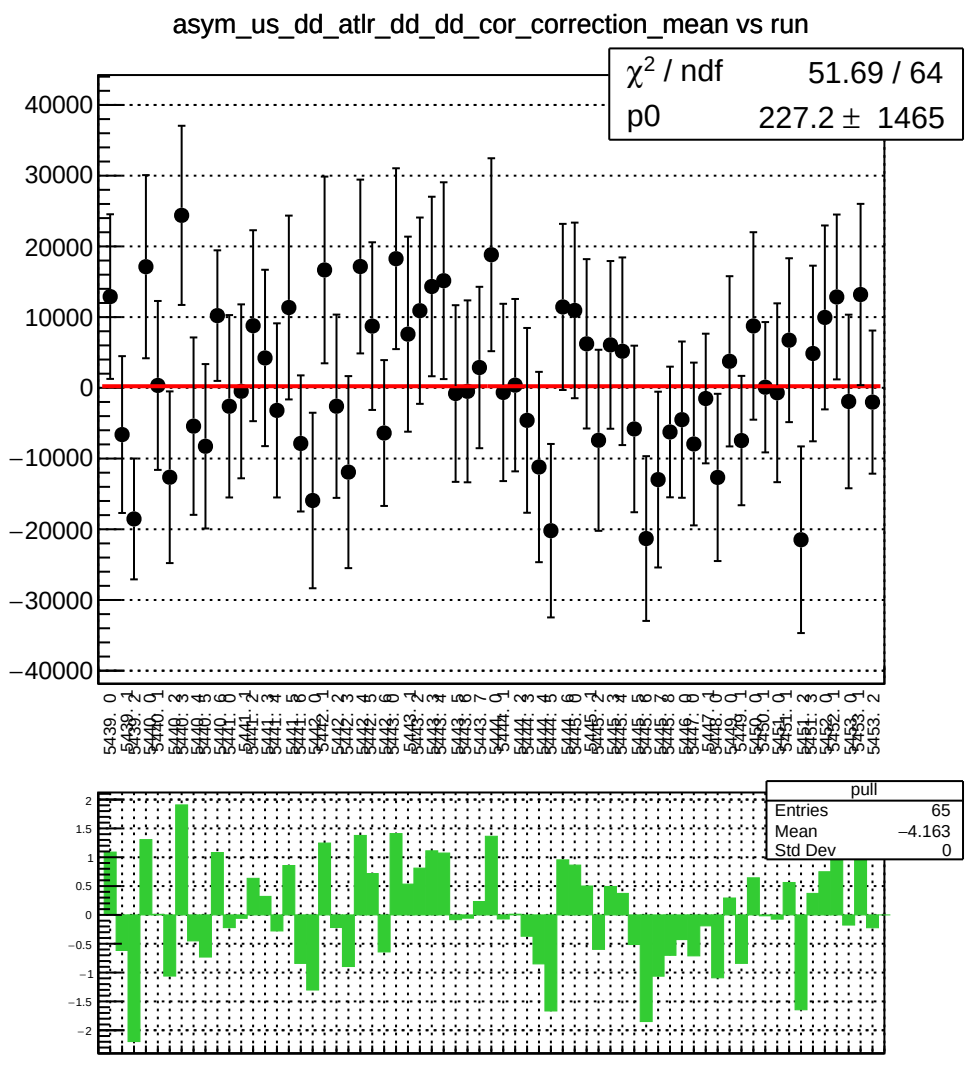

pull1D
Entries 65
Mean 0.03636
Std Dev 0.8919

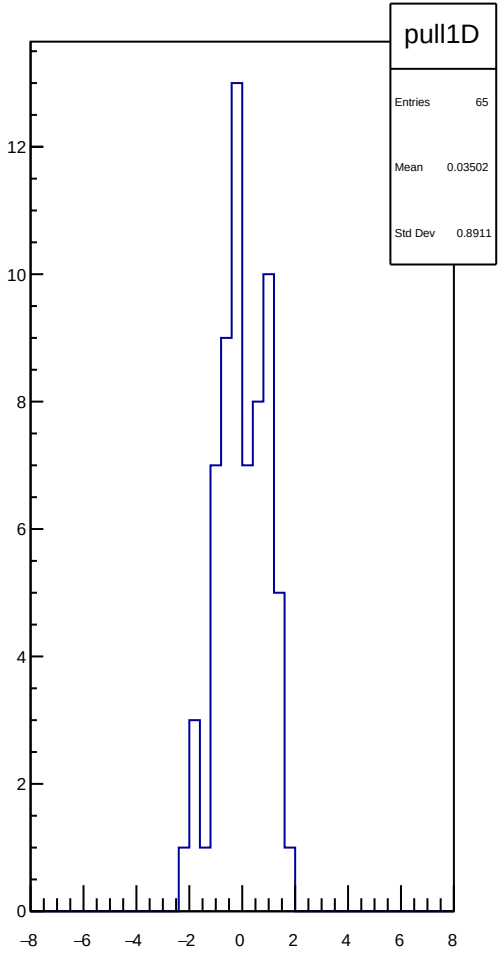

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 3689 / 64
p0 1188 ± 1.037
1350
1300
1250
1200
1150
1100
1050

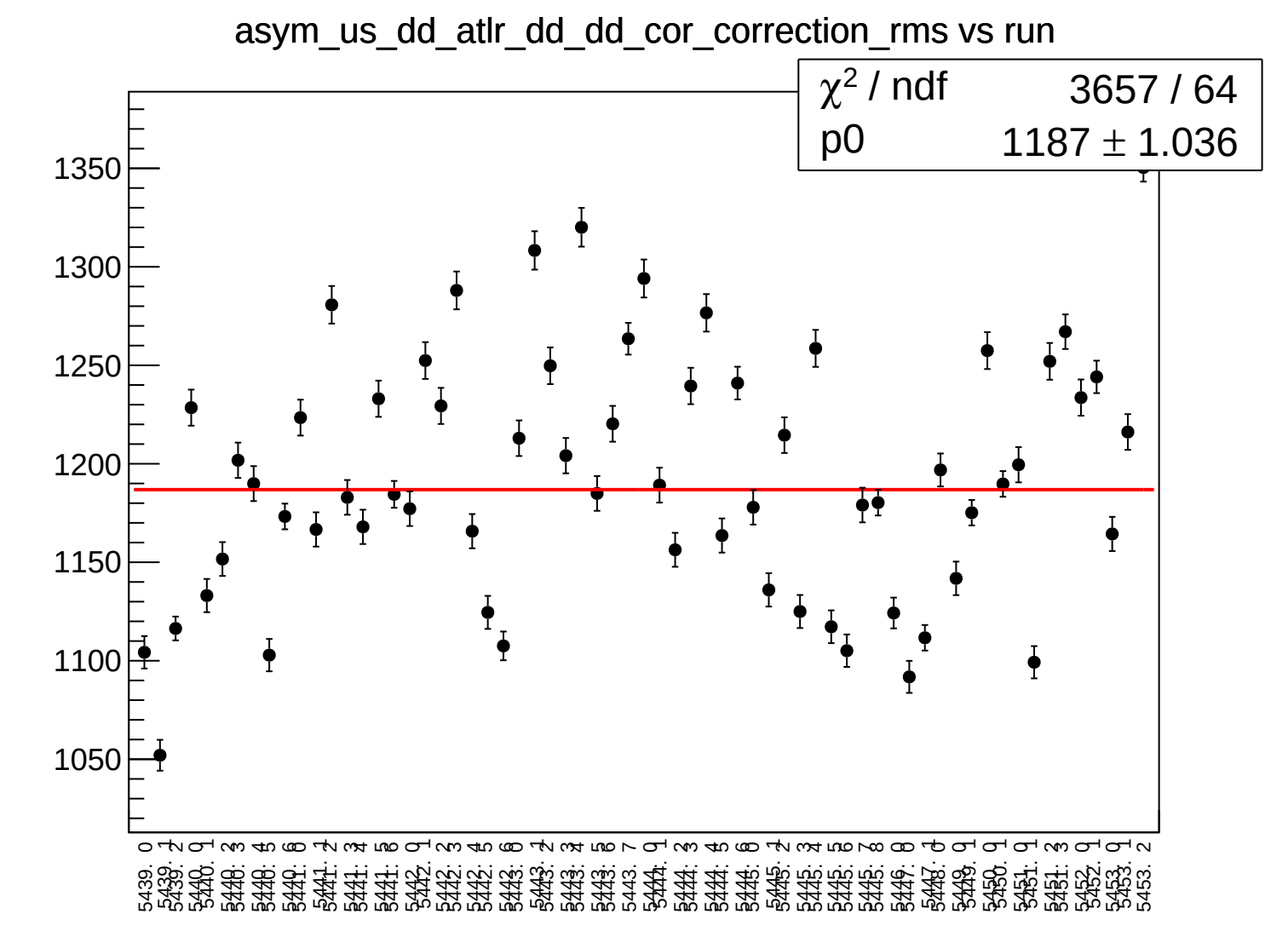

cor_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 77.74 / 64
p0 2569 ± 3897
100
50
0
−50
−100
pull
Entries 65
Mean 109.4
Std Dev 0
2
1
0
−1
−2
−3

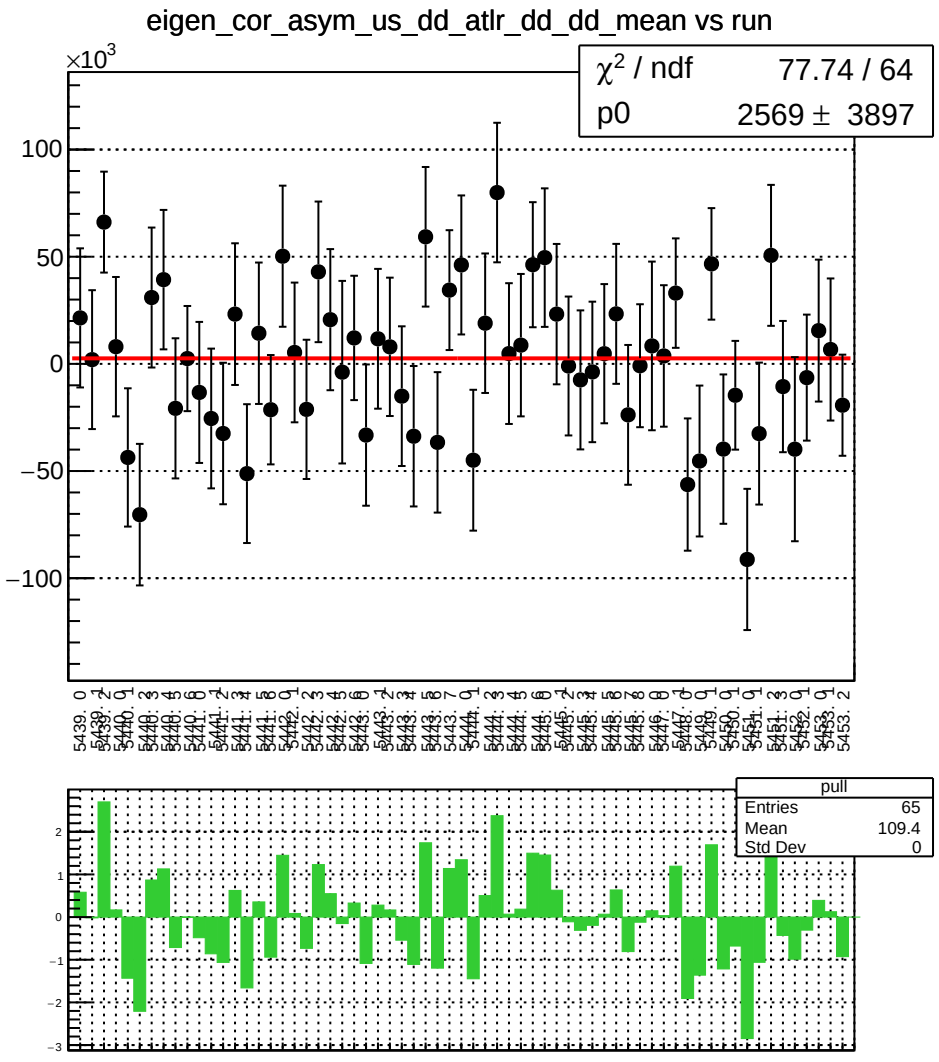

pull1D
Entries 65
Mean −0.0261
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

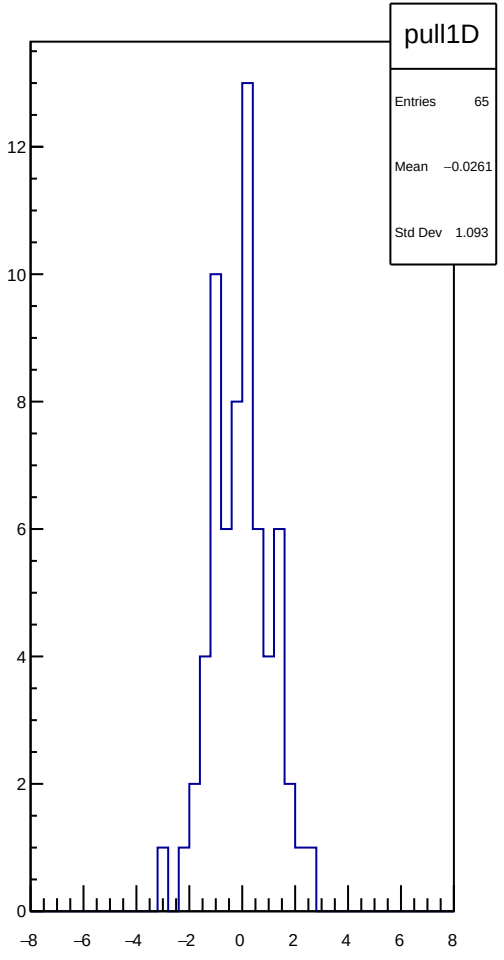

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3938 / 64
p0 3156 ± 2.756
4200
4000
3800
3600
3400
3200
3000

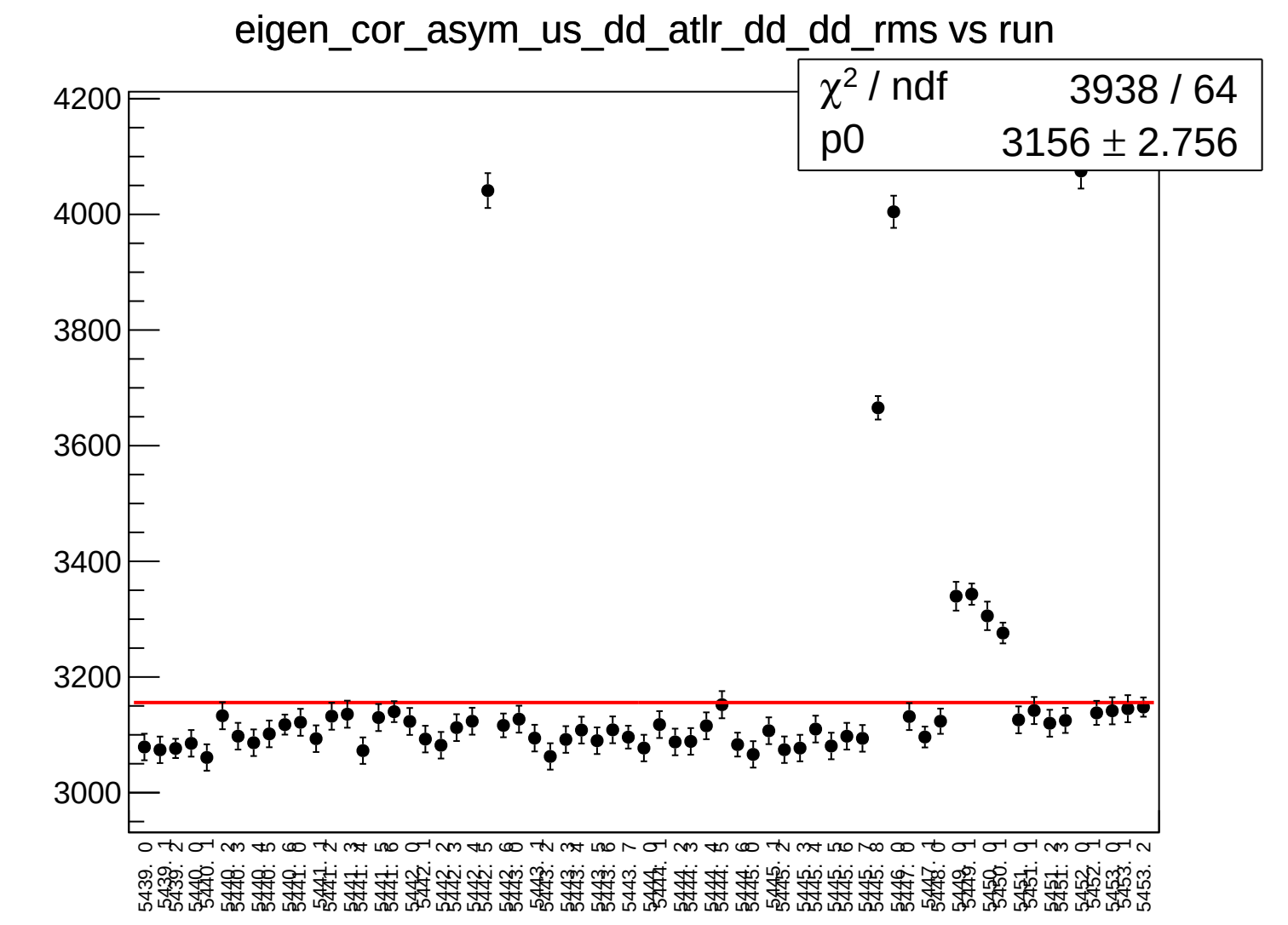

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 51.69 / 64
p0 227.2 ± 1465
pull
Entries 65
Mean −4.163
Std Dev 0

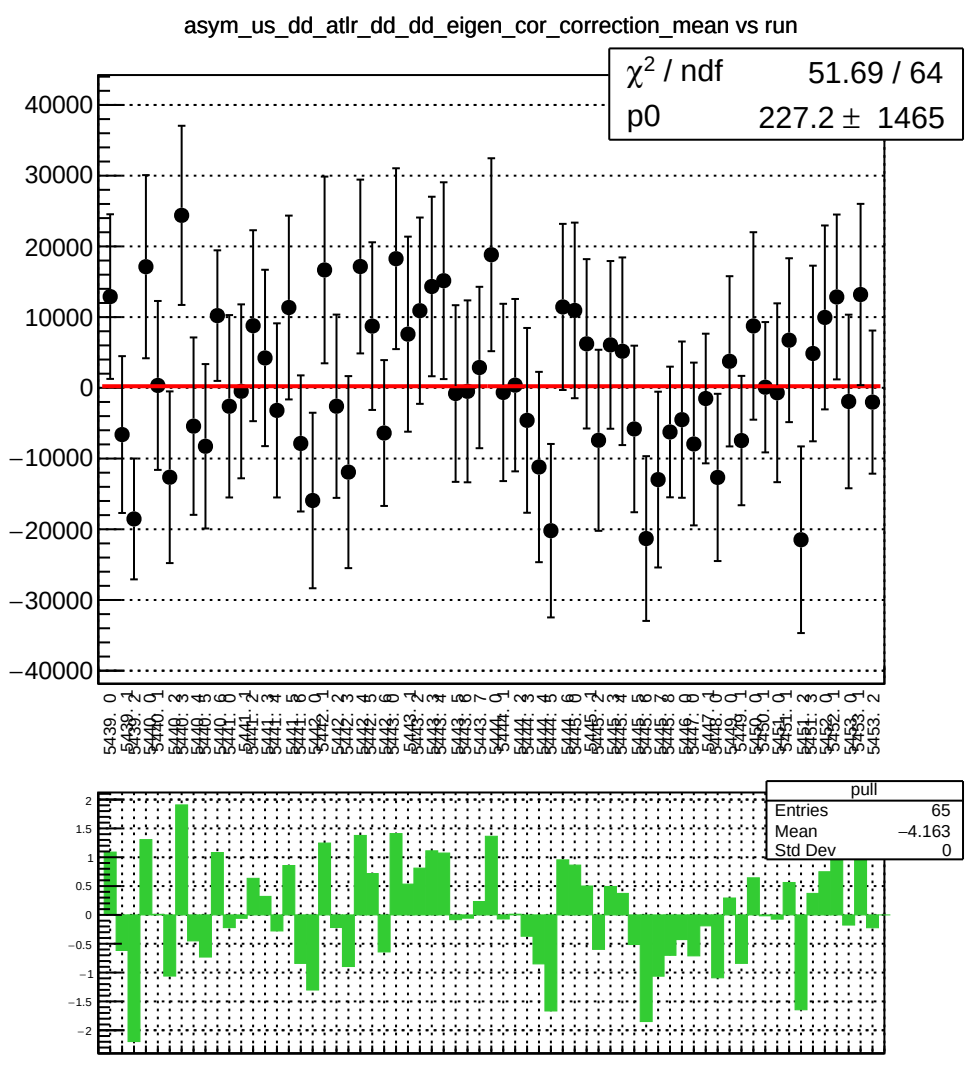

pull1D
Entries 65
Mean 0.03502
Std Dev 0.8911

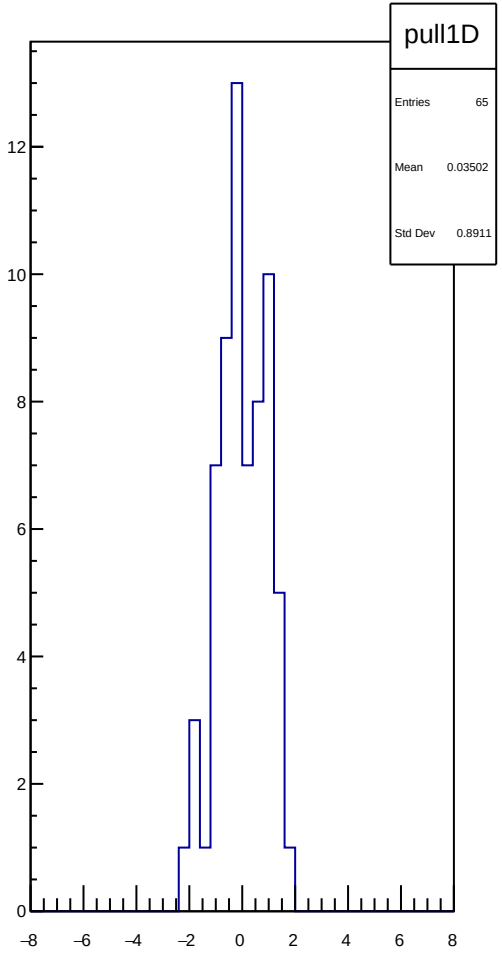

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 3657 / 64
p0 1187 ± 1.036
1350
1300
1250
1200
1150
1100
1050

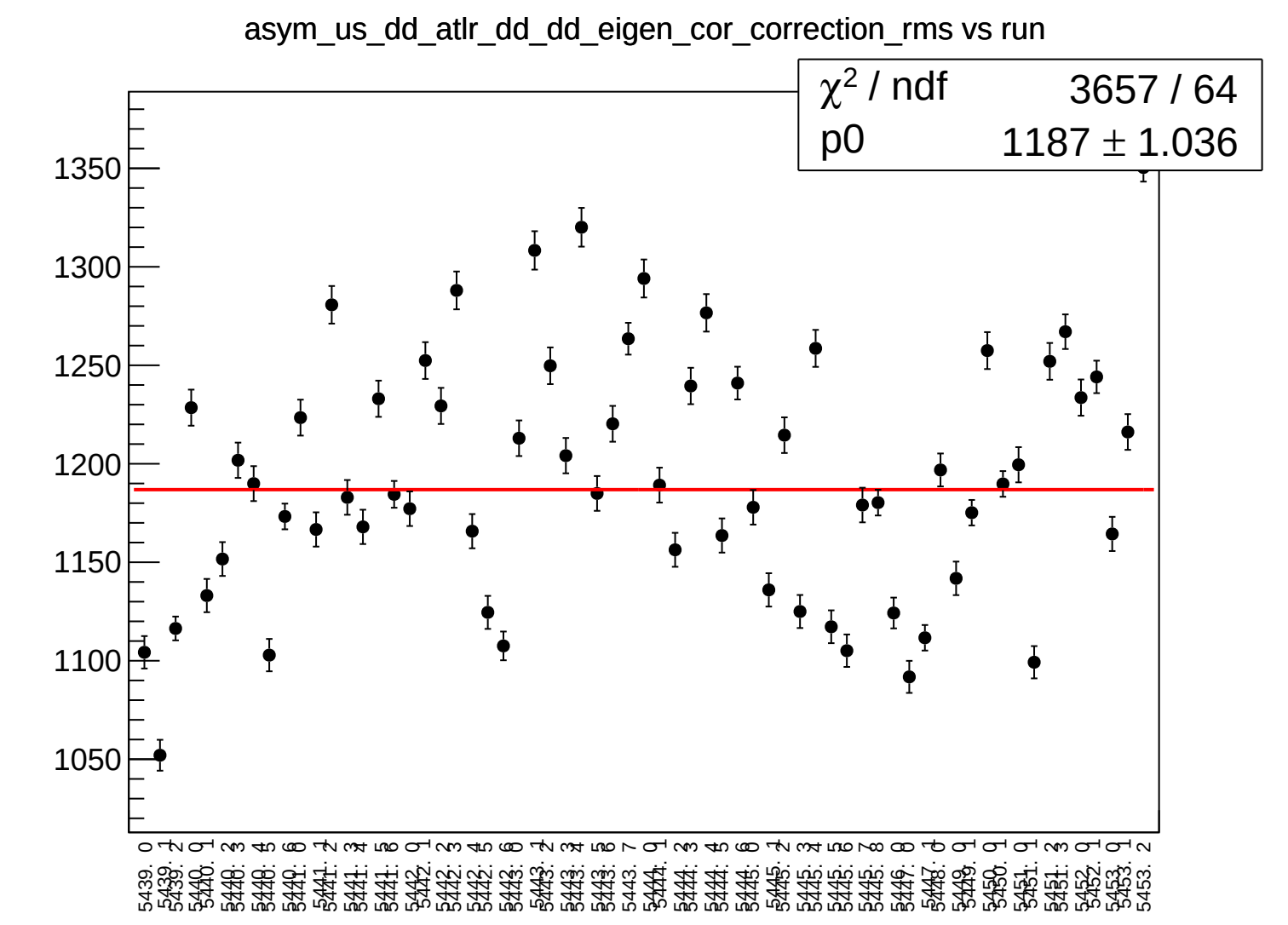

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 77.74 / 64
p0 2569 ± 3897
×10³
100
50
0
−50
−100
pull
Entries 65
Mean 109.4
Std Dev 0
2
1
0
−1
−2
−3

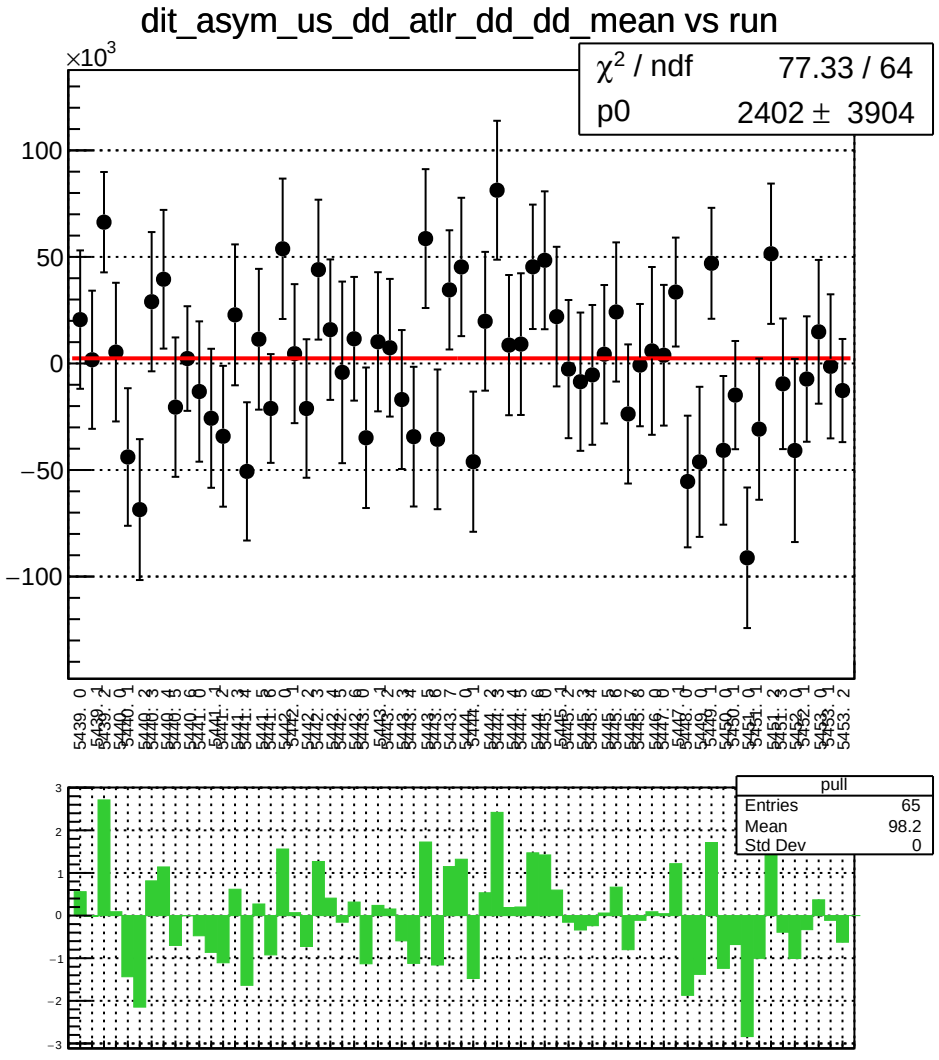

pull1D
Entries 65
Mean −0.0261
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

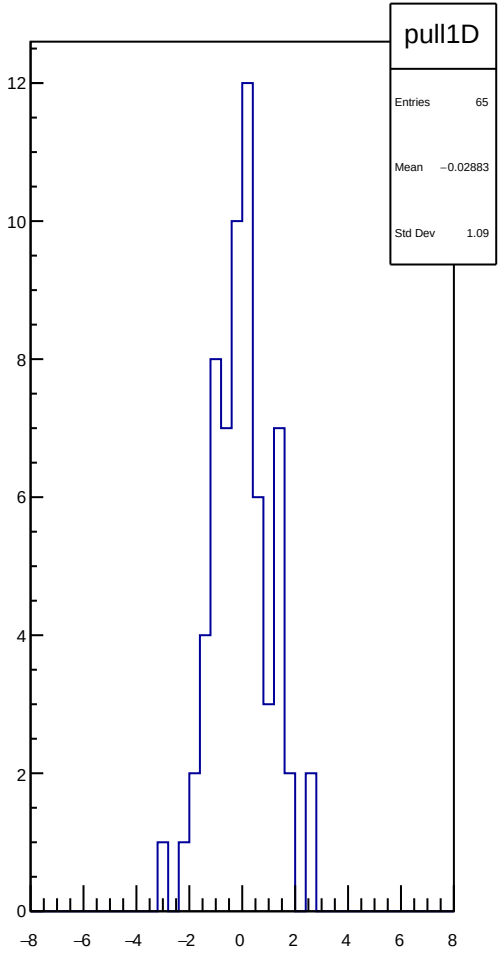

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3938 / 64
p0 3156 ± 2.756
4200
4000
3800
3600
3400
3200
3000

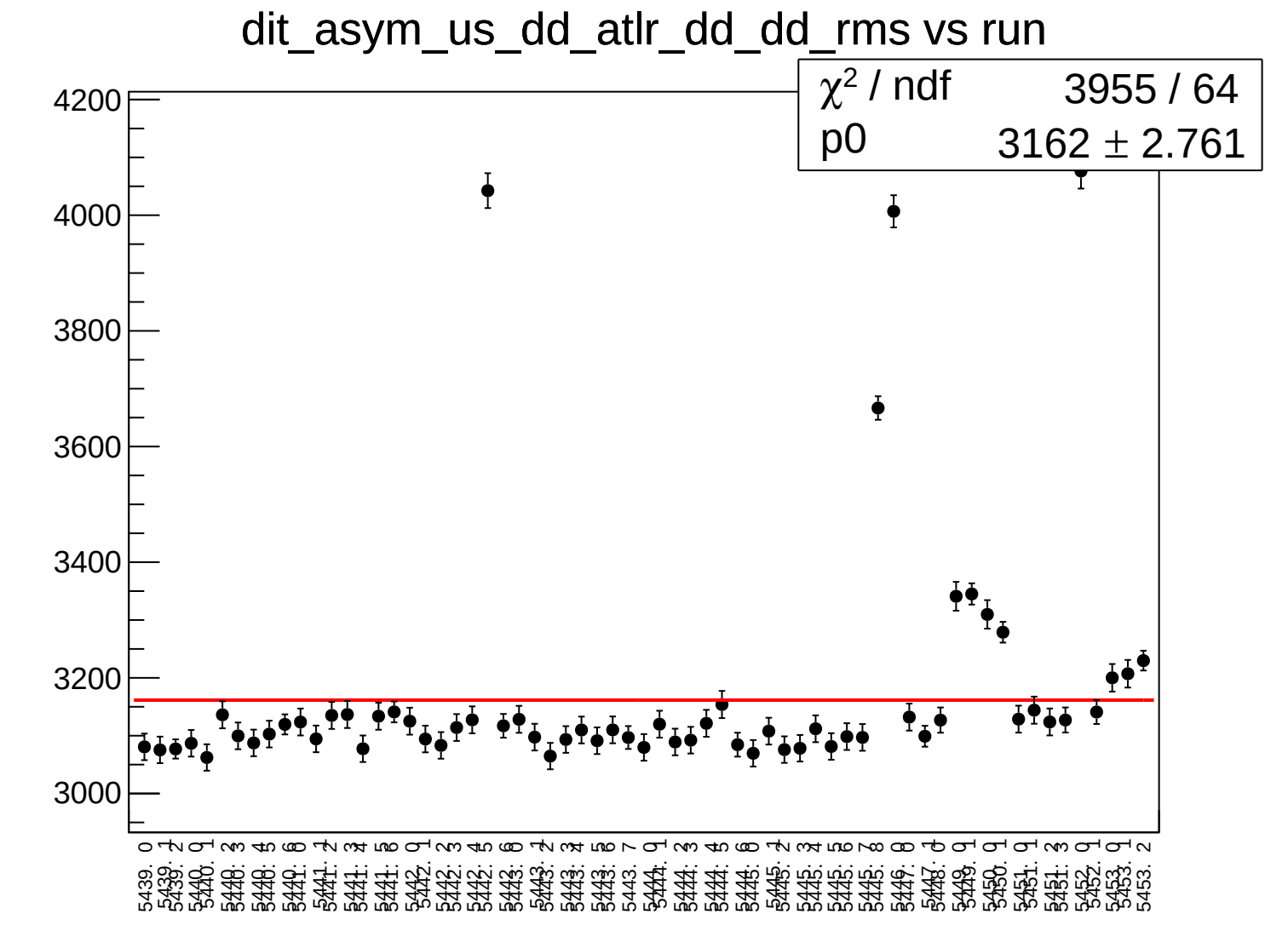

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.69 / 64
p0 227.2 ± 1465
pull
Entries 65
Mean −4.163
Std Dev 0

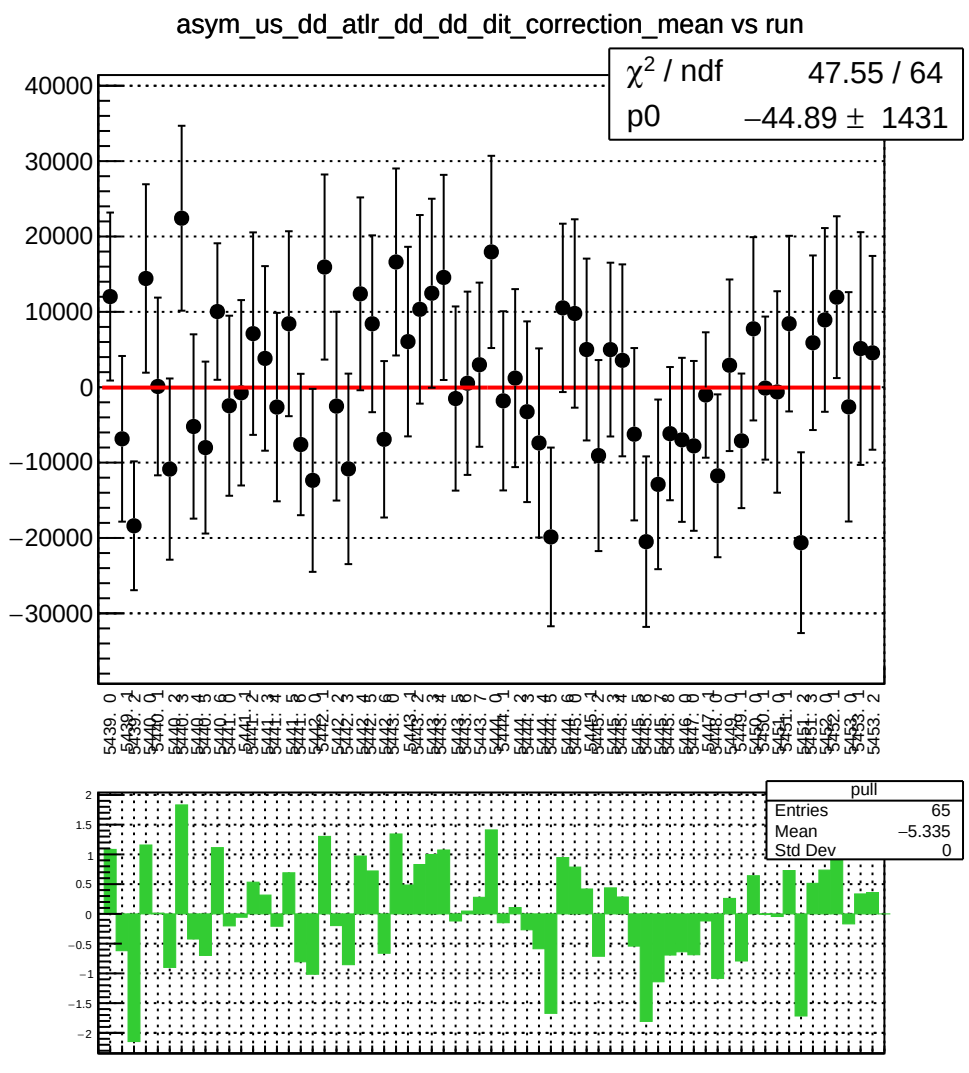

pull1D
Entries 65
Mean 0.03502
Std Dev 0.8911

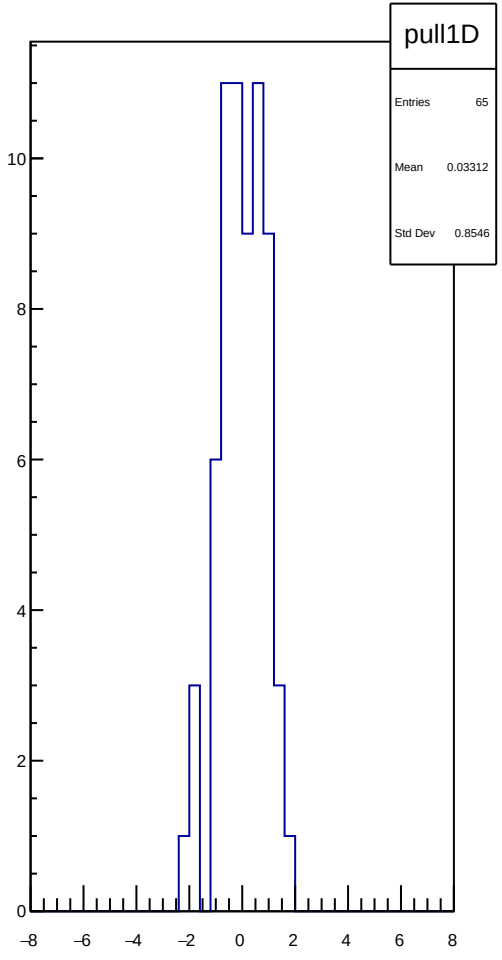

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3657 / 64
p0 1187 ± 1.036
1350
1300
1250
1200
1150
1100
1050

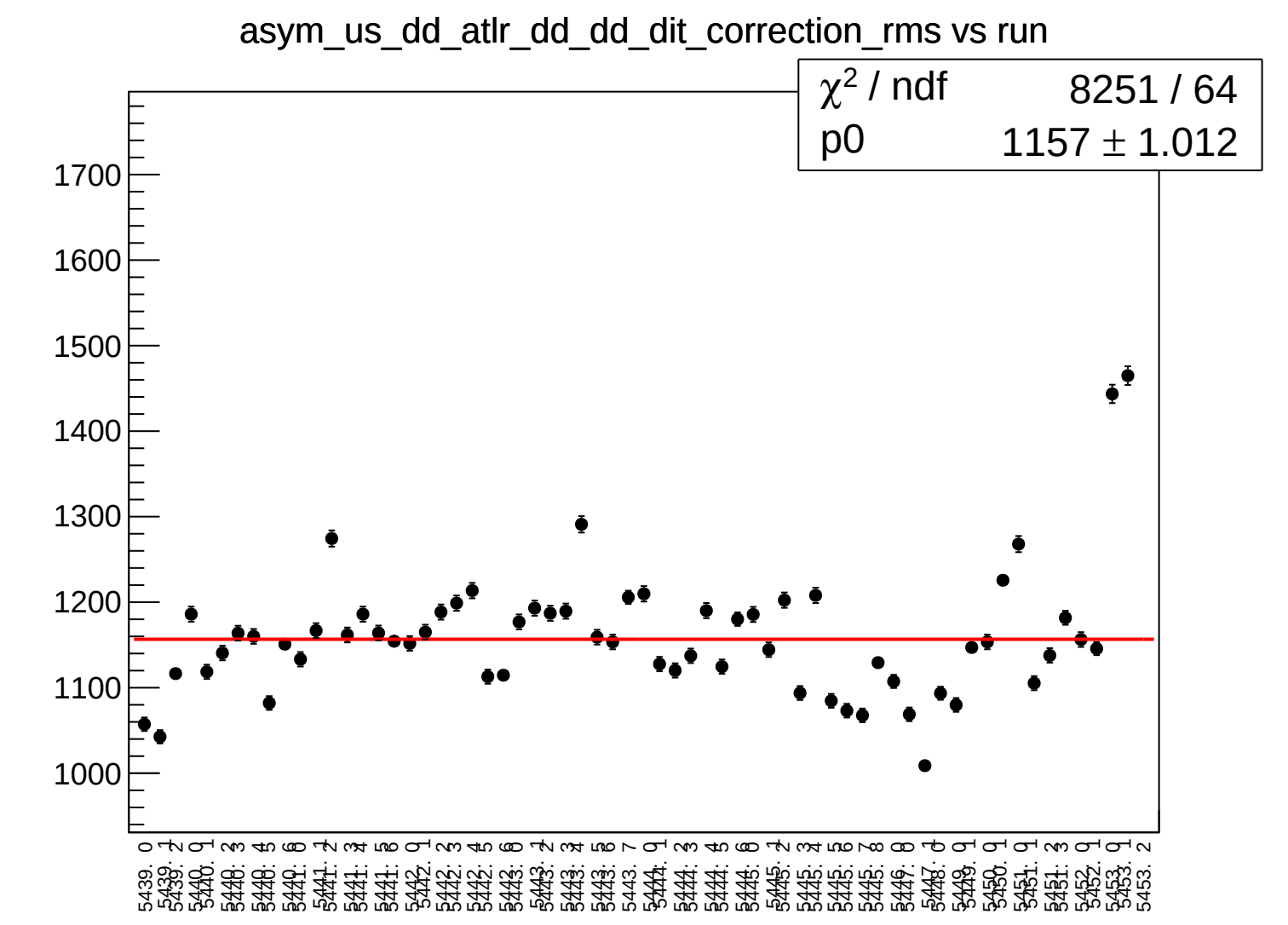

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 77.33 / 64
p0 2402 ± 3904
×10³
pull
Entries 65
Mean 98.2
Std Dev 0

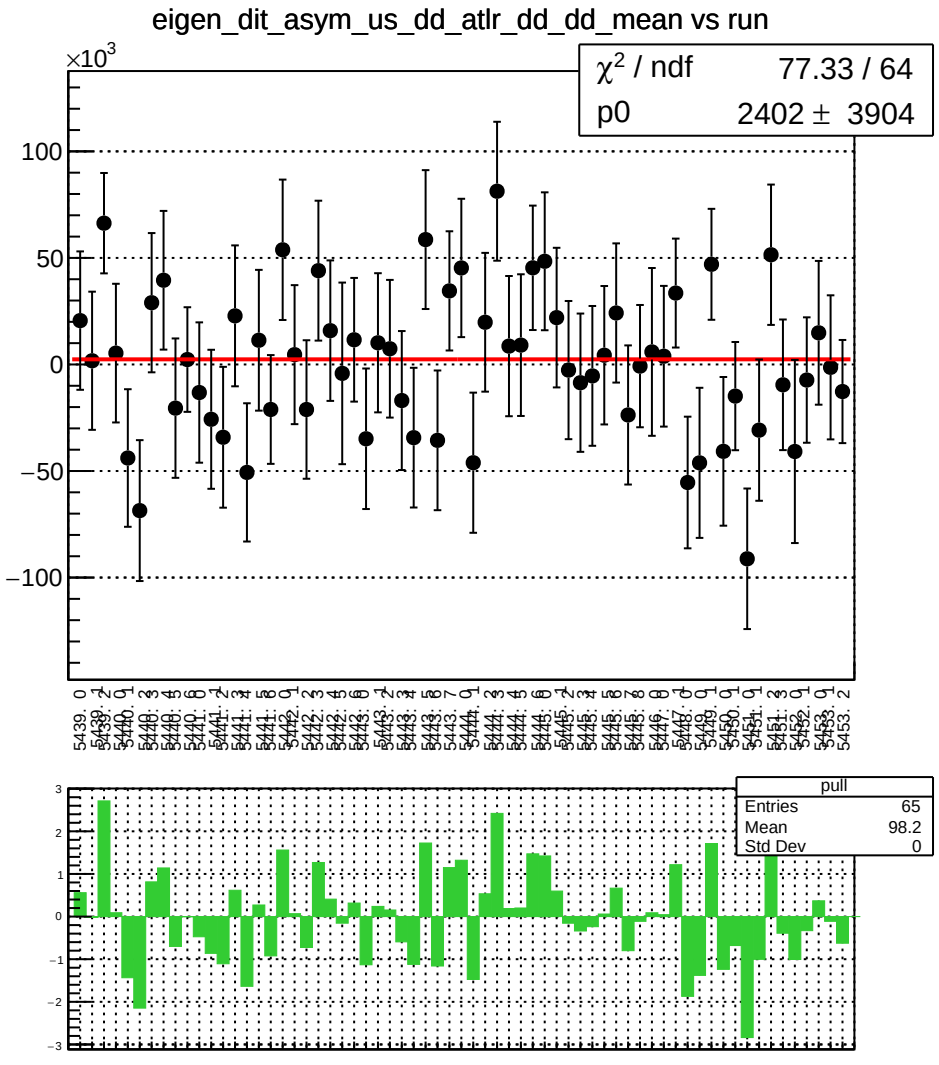

pull1D
Entries 65
Mean −0.02883
Std Dev 1.09

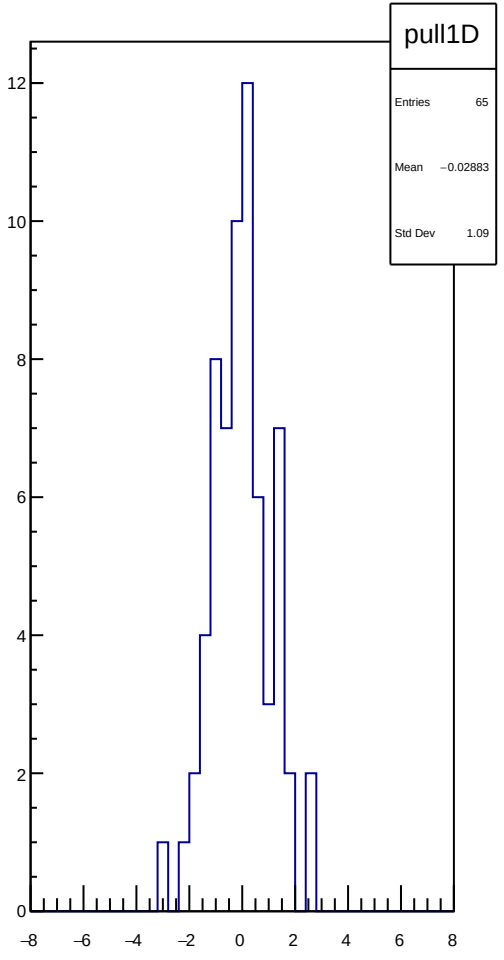

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3955 / 64
p0 3162 ± 2.761
4200
4000
3800
3600
3400
3200
3000

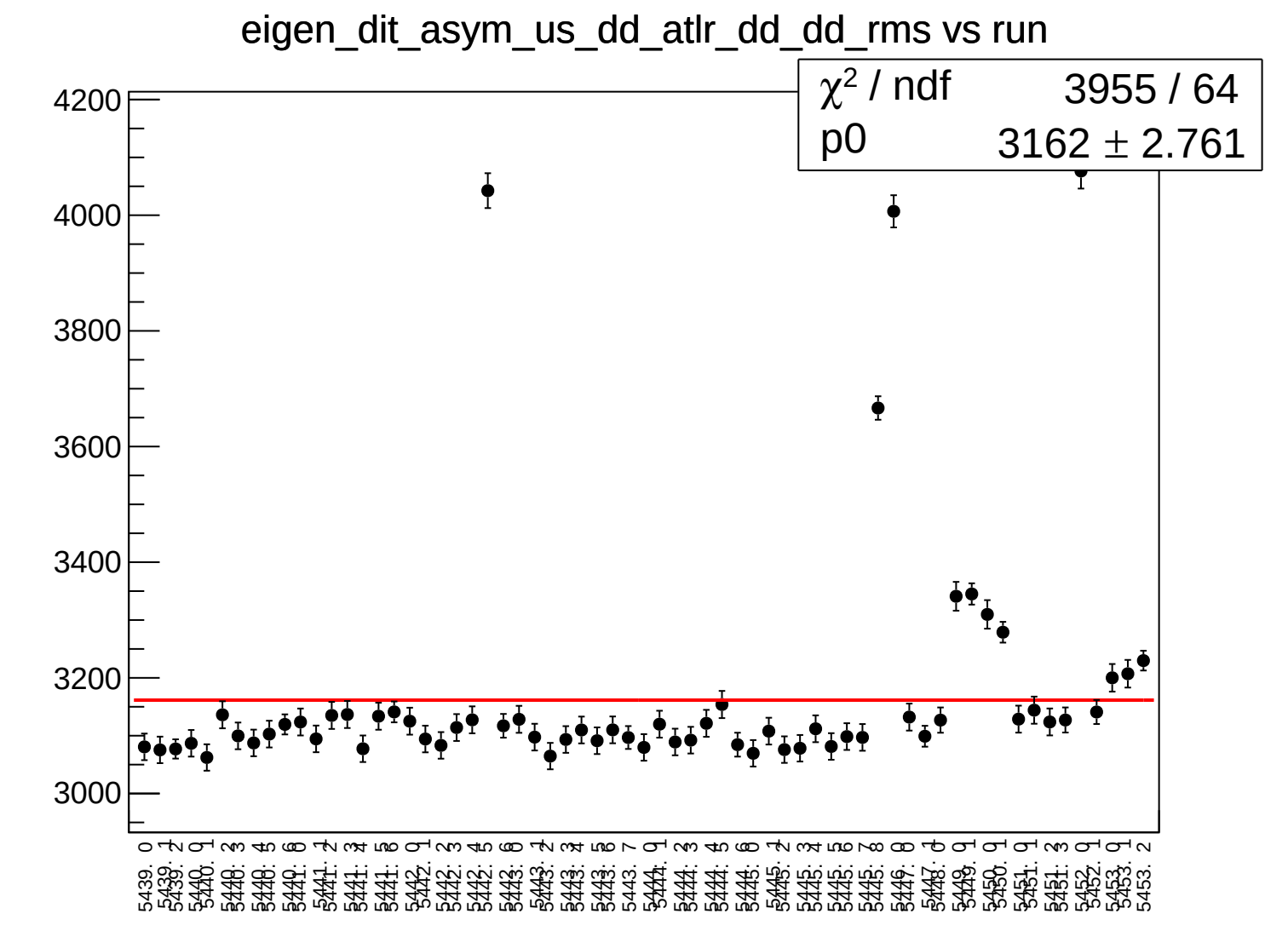

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 47.55 / 64
p0 −44.89 ± 1431
pull
Entries 65
Mean −5.335
Std Dev 0

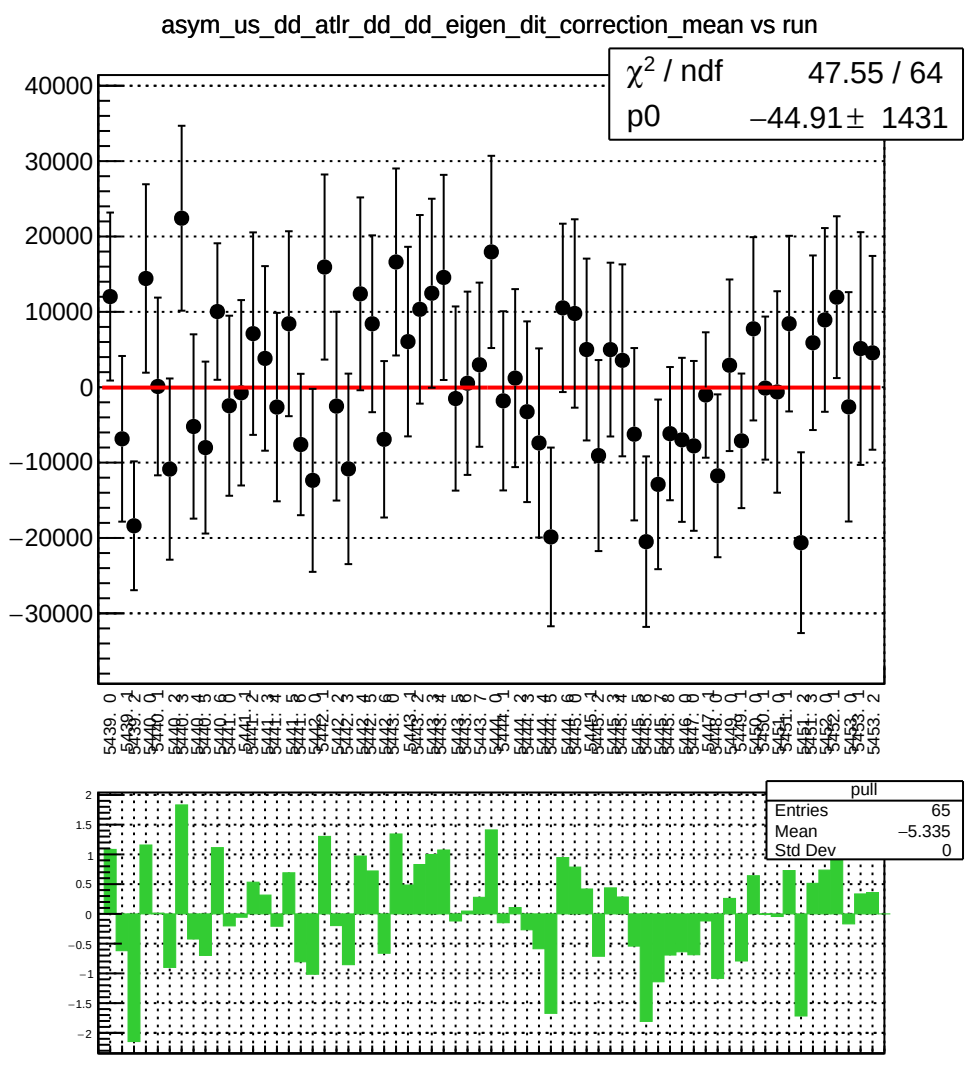

pull1D
Entries 65
Mean 0.03312
Std Dev 0.8546

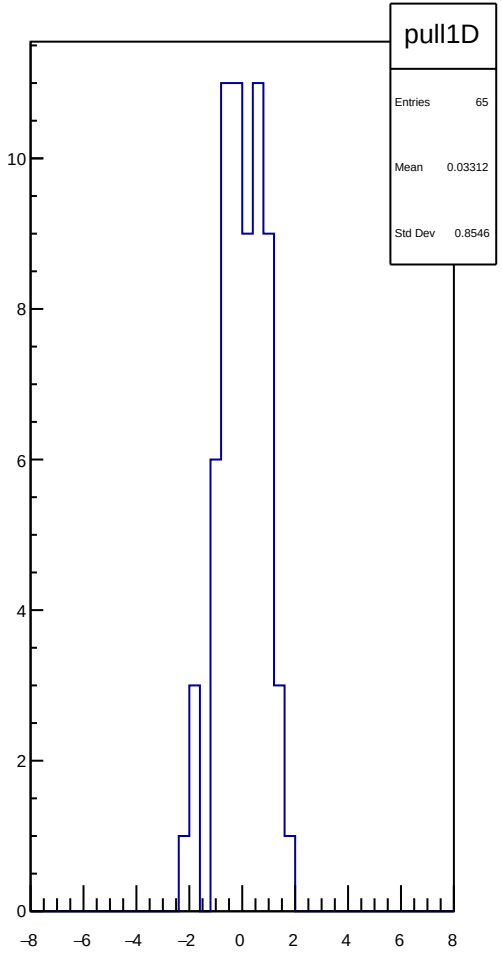

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 8251 / 64
p0 1157 ± 1.012
1700
1600
1500
1400
1300
1200
1100
1000

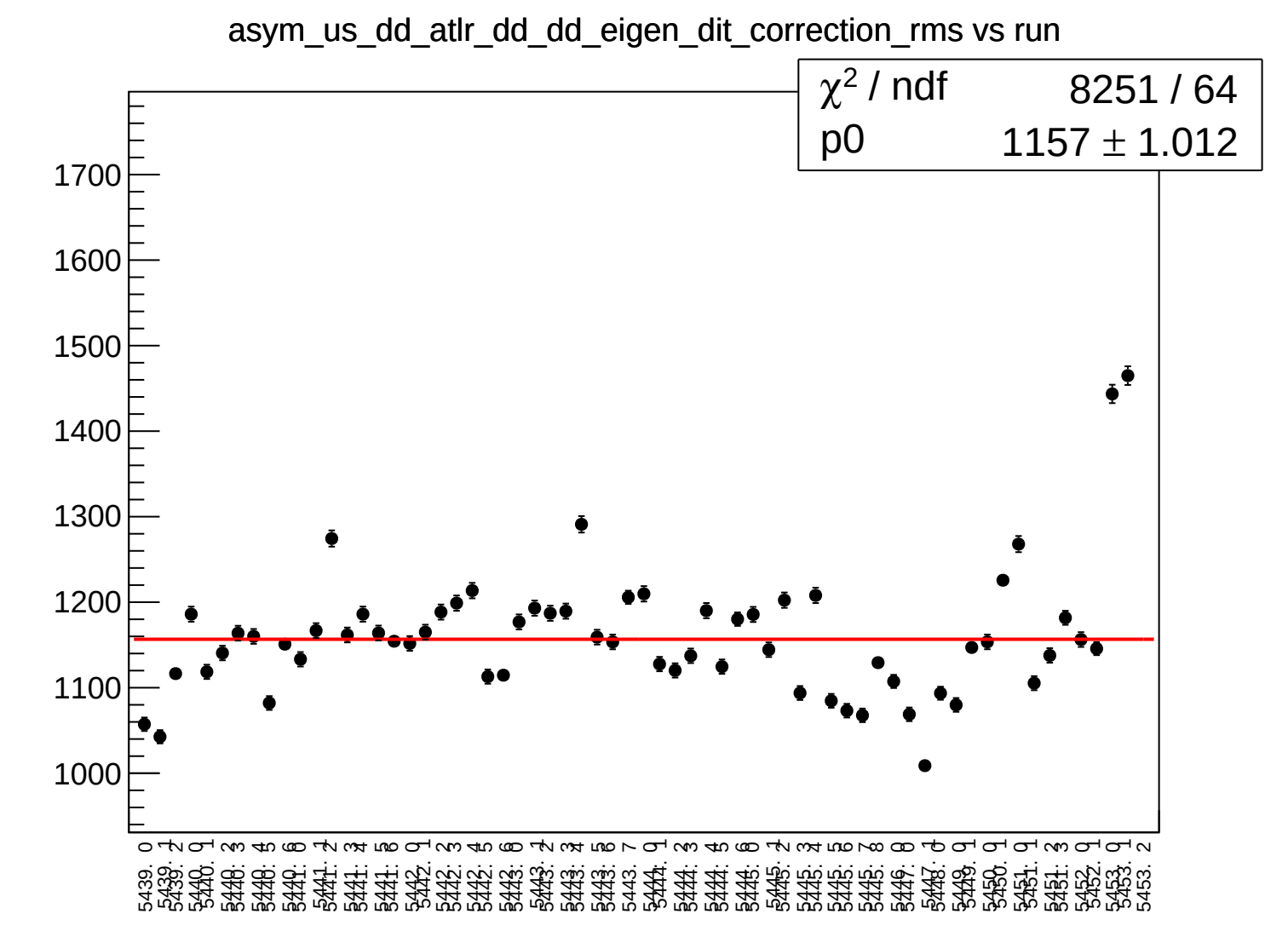

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 77.33 / 64
p0 2402 ± 3904
pull
Entries 65
Mean 98.2
Std Dev 0

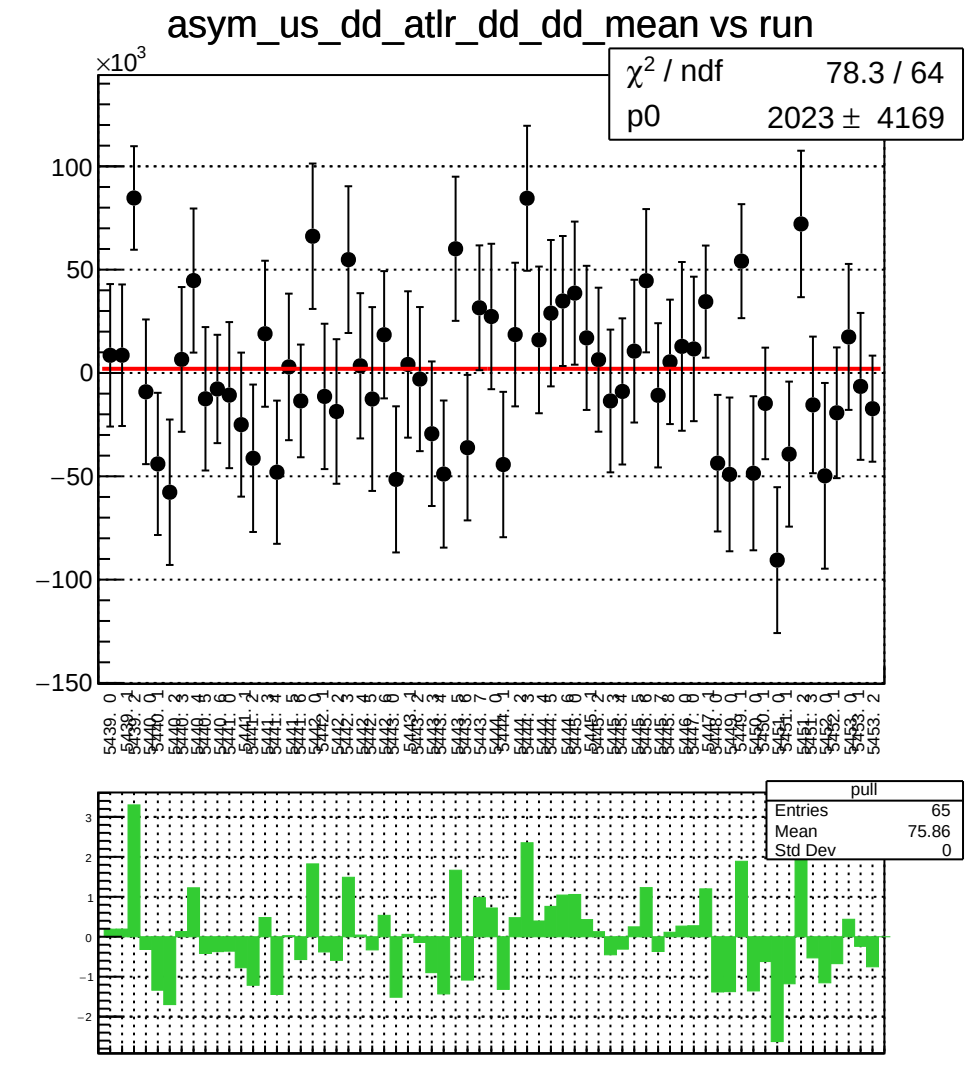

pull1D
Entries 65
Mean −0.02883
Std Dev 1.09

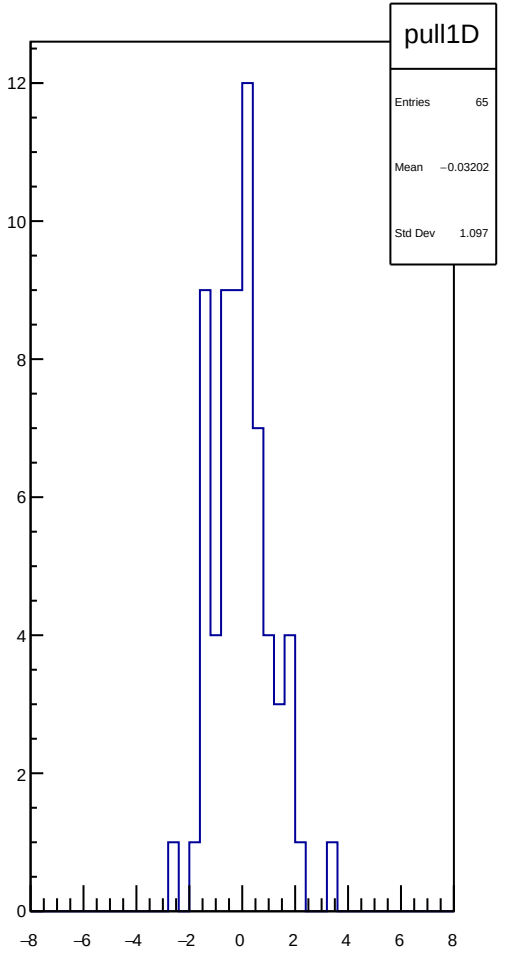

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3955 / 64
p0 3162 ± 2.761
4200
4000
3800
3600
3400
3200
3000

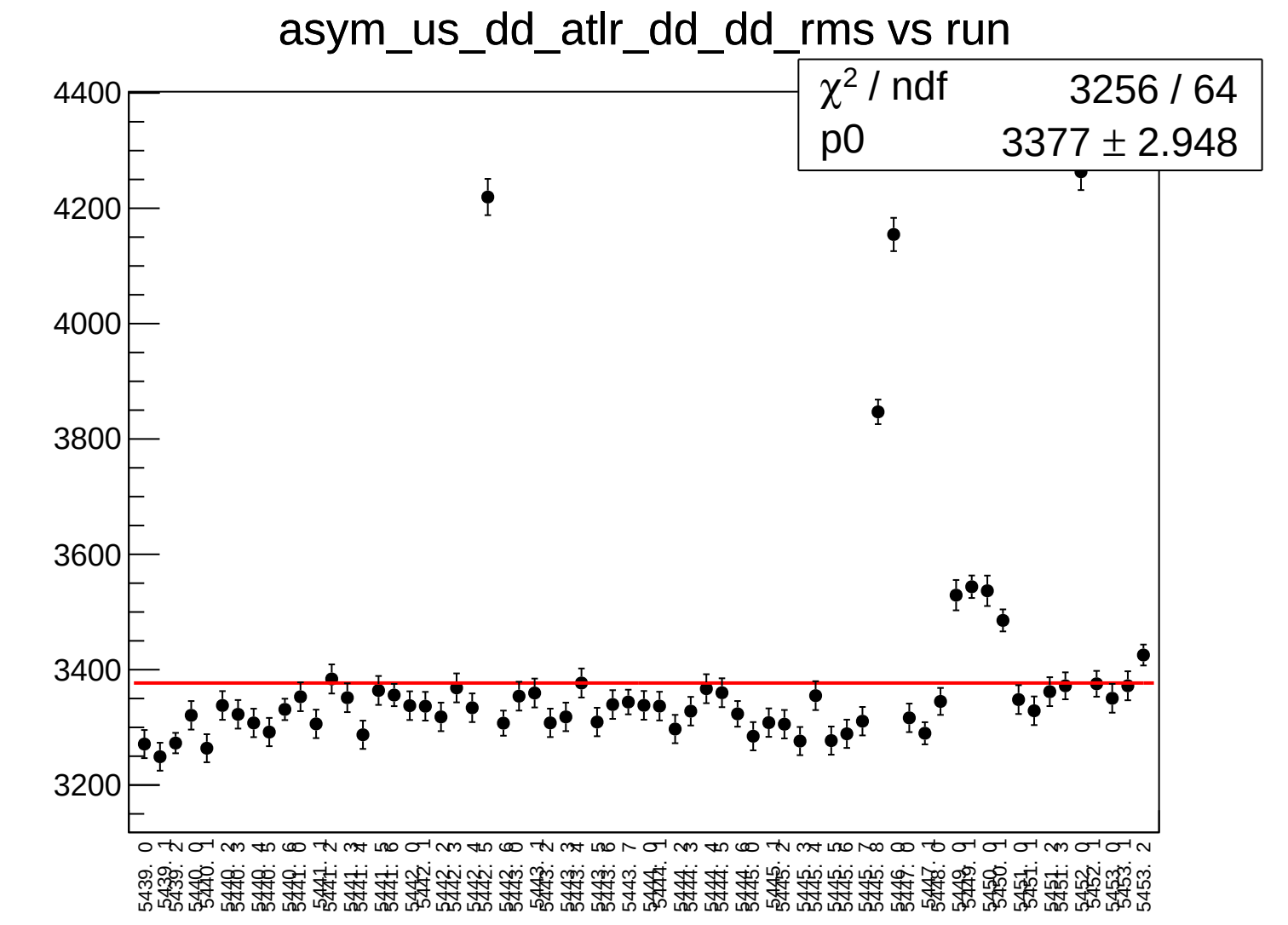

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.55 / 64
p0 −44.91± 1431
pull
Entries 65
Mean −5.335
Std Dev 0

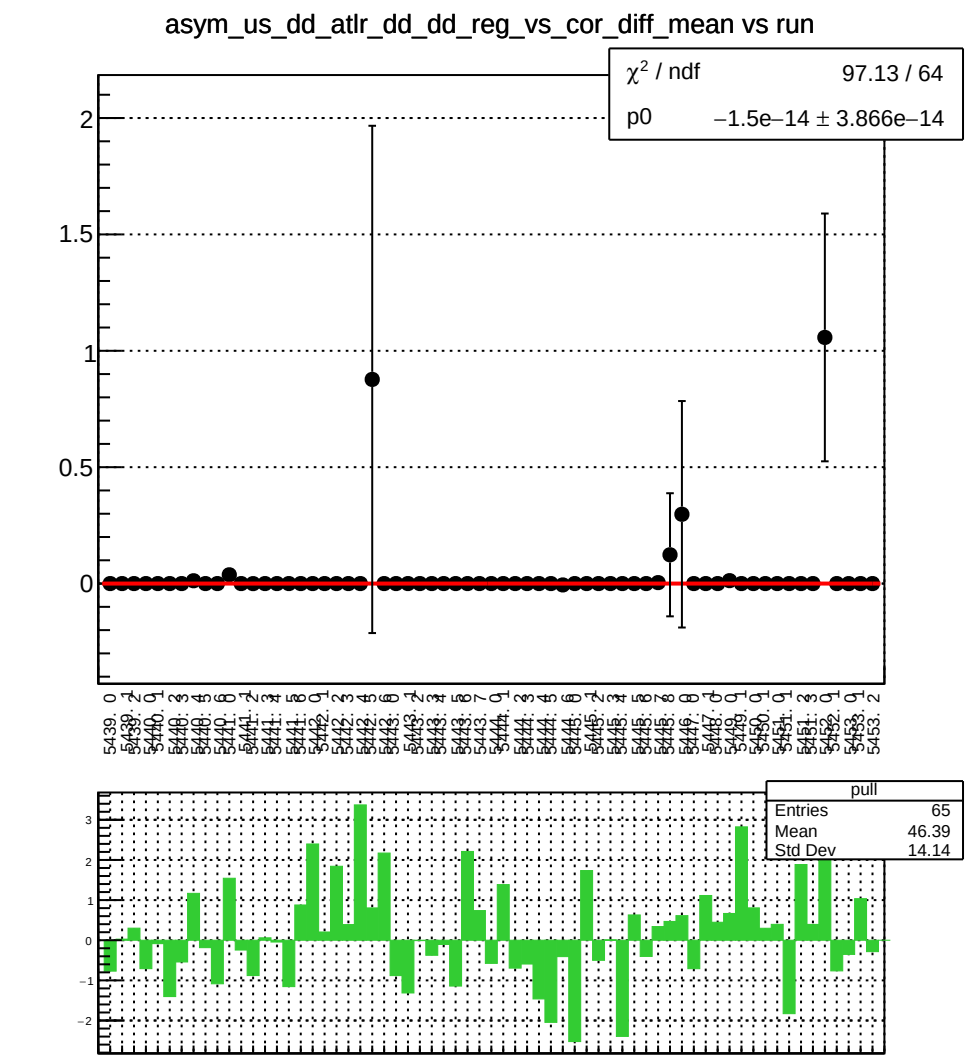

pull1D
Entries 65
Mean 0.03312
Std Dev 0.8546

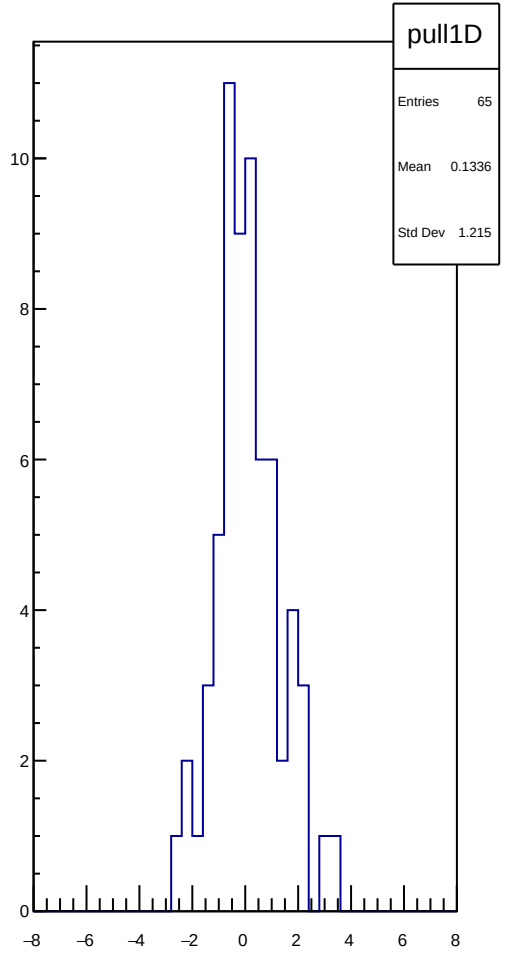

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 8251 / 64
p0 1157 ± 1.012
1700
1600
1500
1400
1300
1200
1100
1000

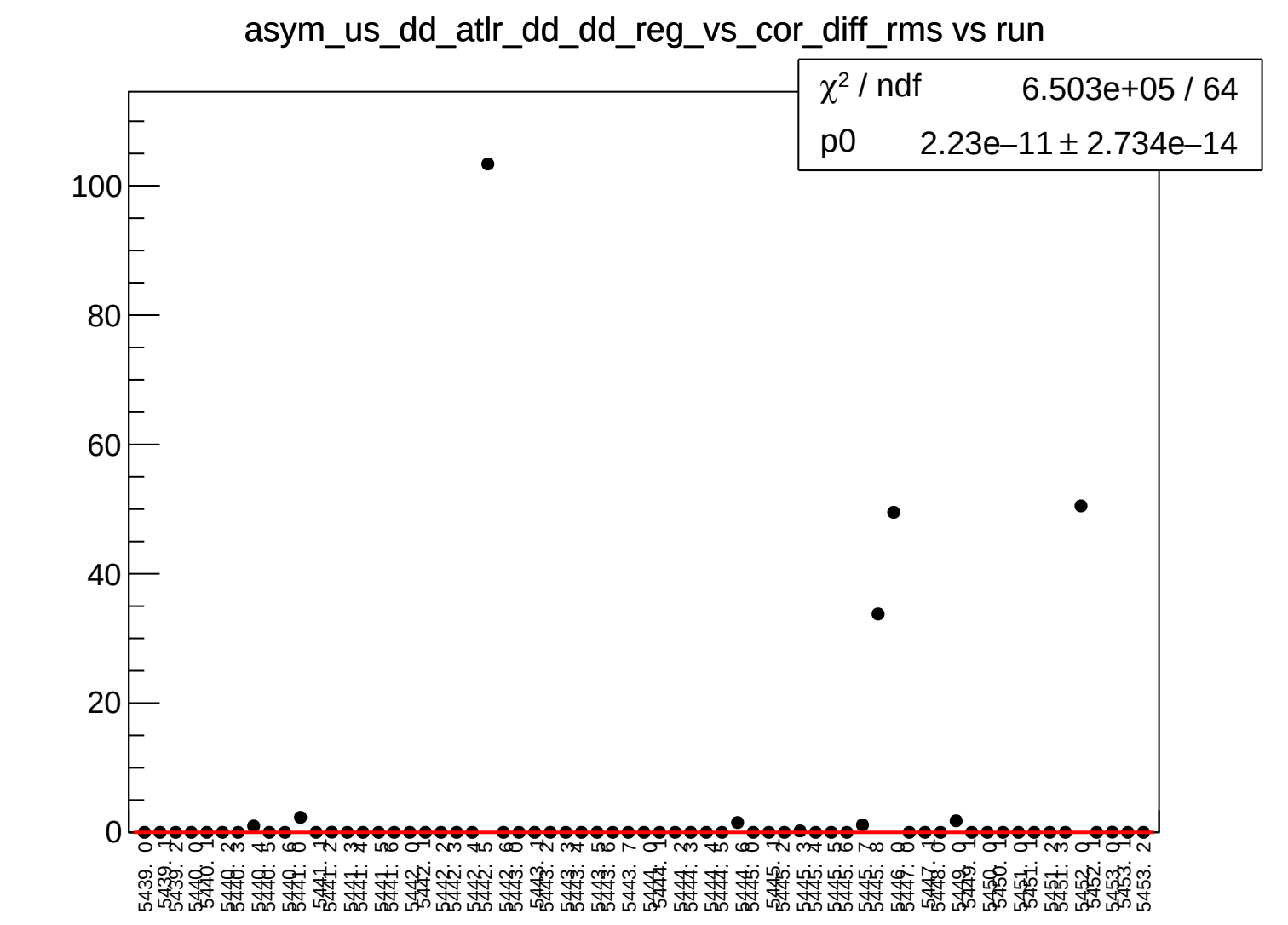

asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ^2 / ndf 78.3 / 64
p0 2023 ± 4169
100
50
0
−50
−100
−150
pull
Entries 65
Mean 75.86
Std Dev 0
3
2
1
0
−1
−2

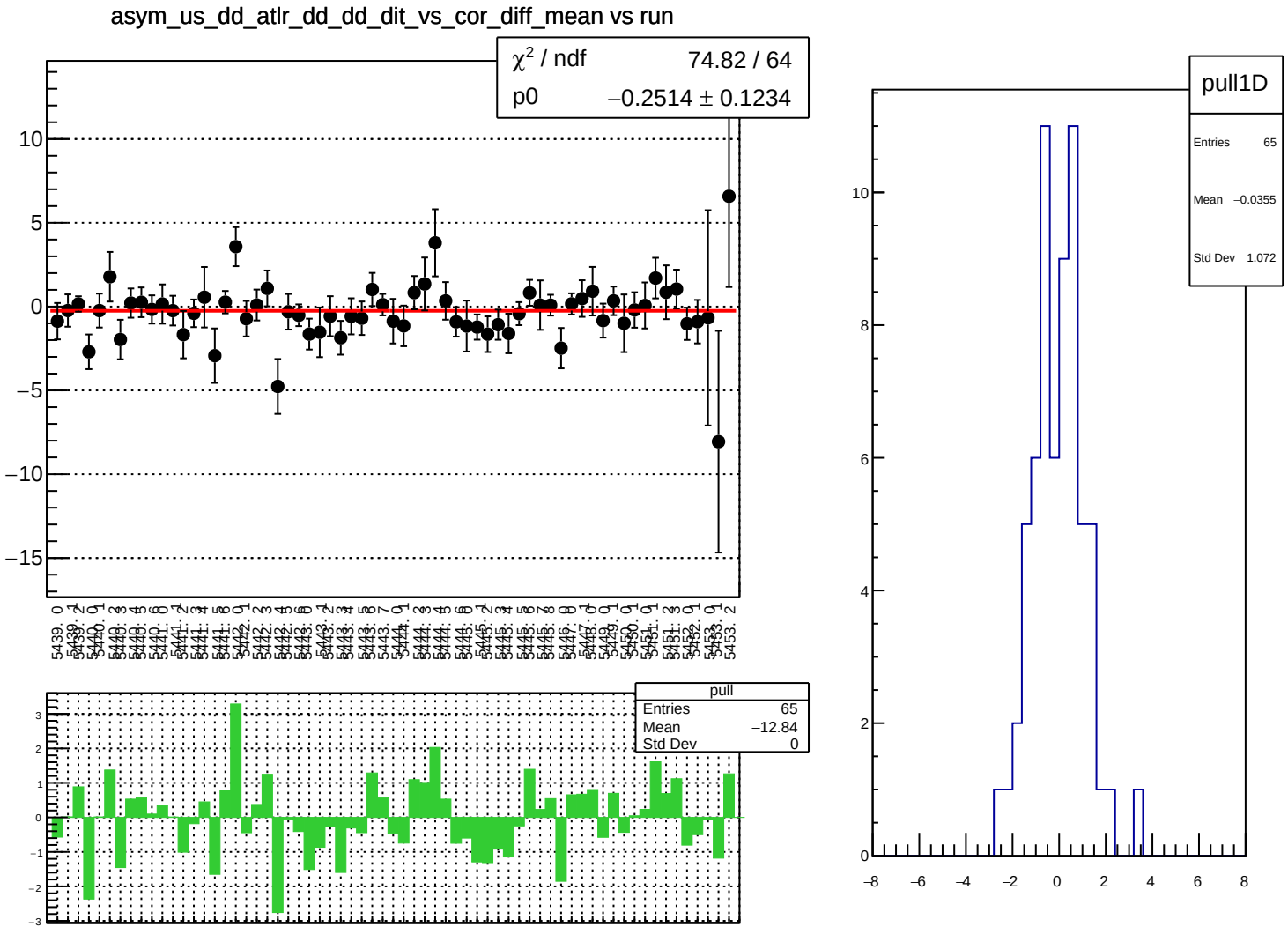

pull1D
Entries 65
Mean −0.03202
Std Dev 1.097
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

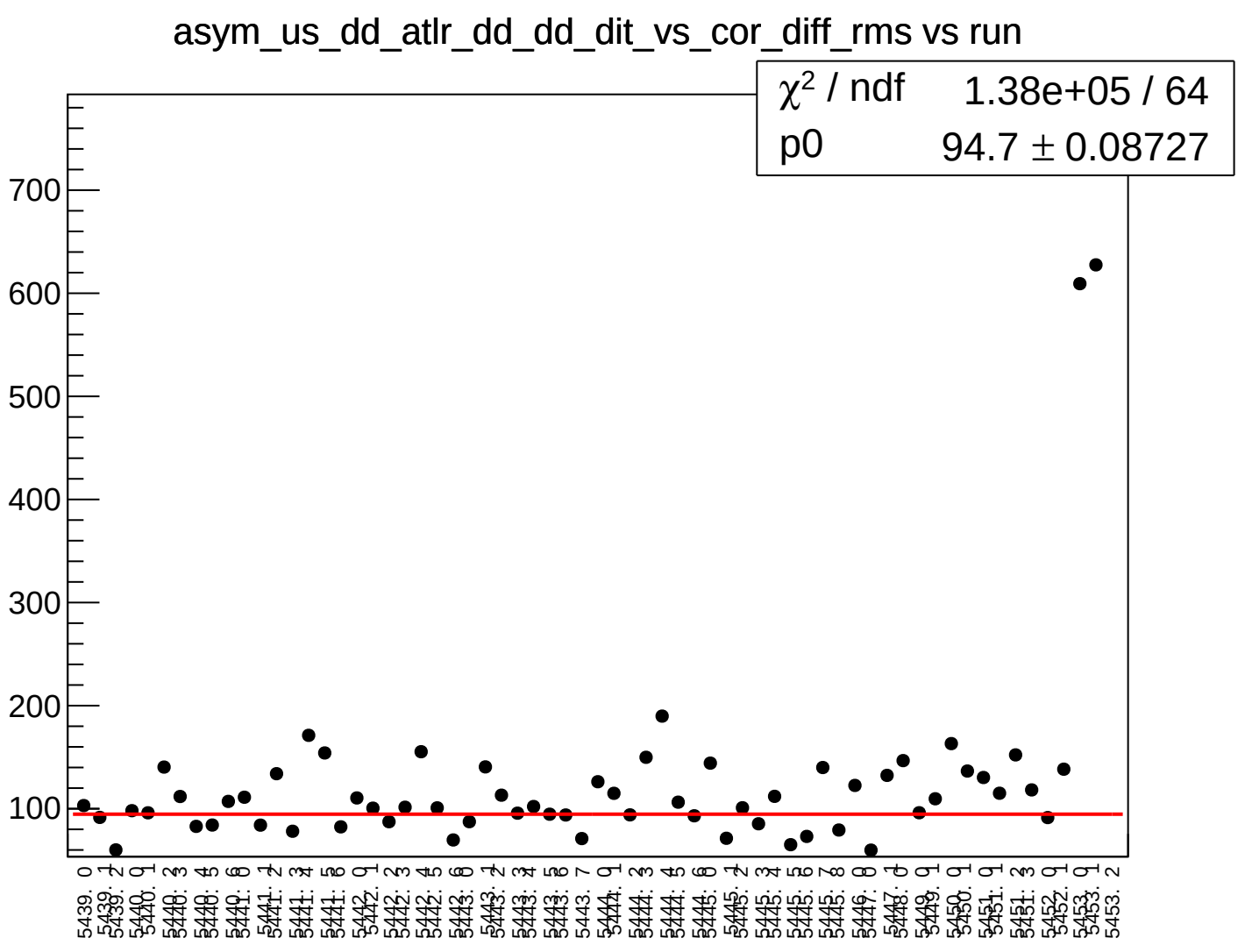

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3256 / 64
p0 3377 ± 2.948
4400
4200
4000
3800
3600
3400
3200

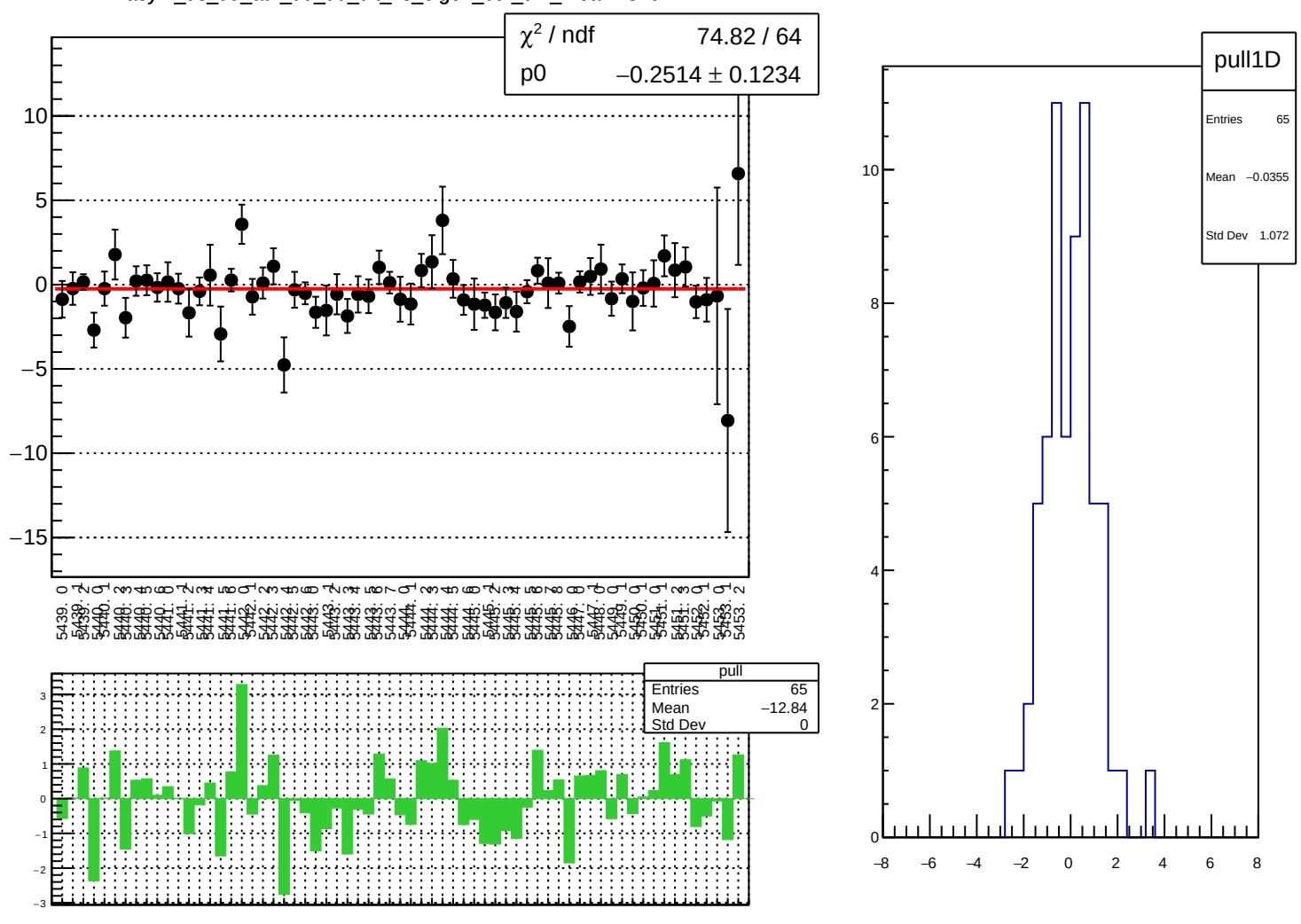

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.13 / 64
p0 −1.5e−14 ± 3.866e−14
pull
Entries 65
Mean 46.39
Std Dev 14.14

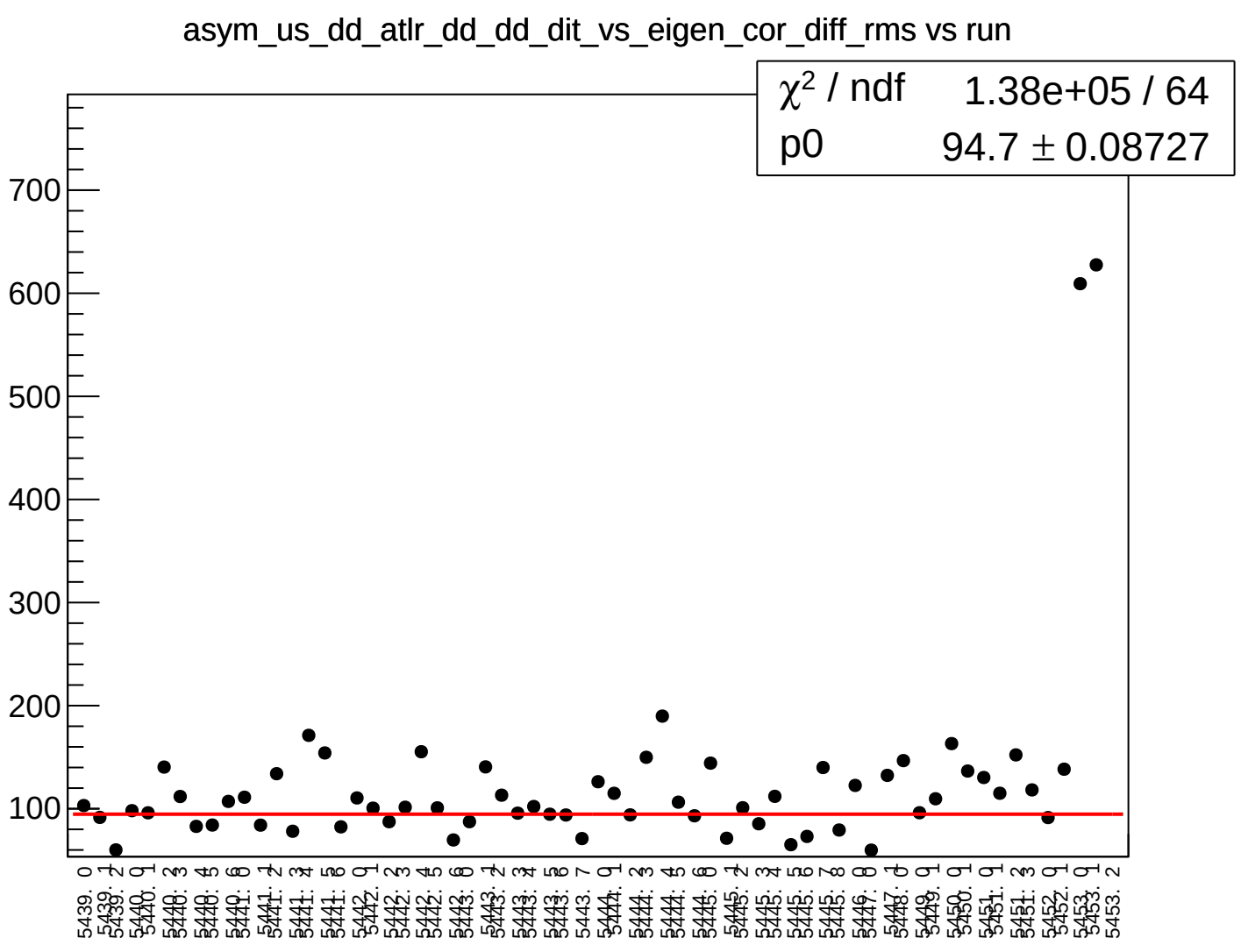

pull1D
Entries 65
Mean 0.1336
Std Dev 1.215

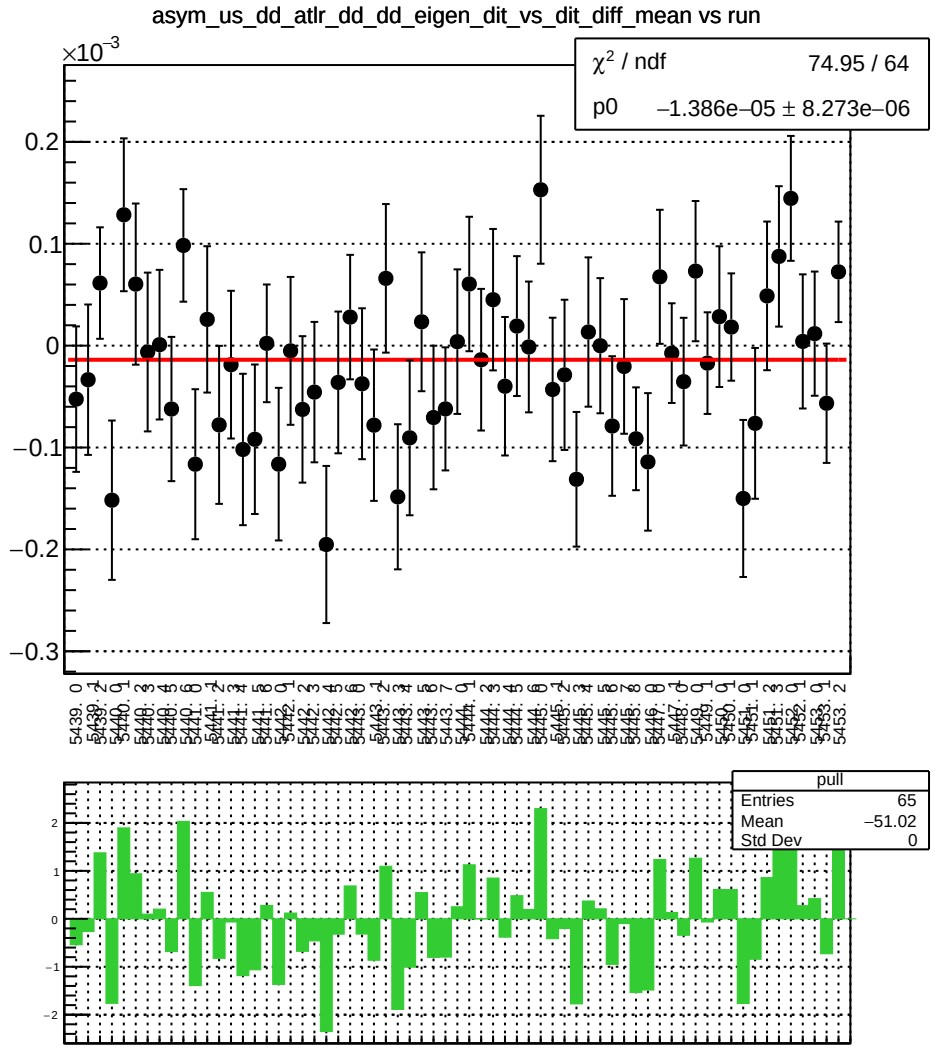

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.503e+05 / 64
p0 2.23e−11 ± 2.734e−14
100
80
60
40
20
0

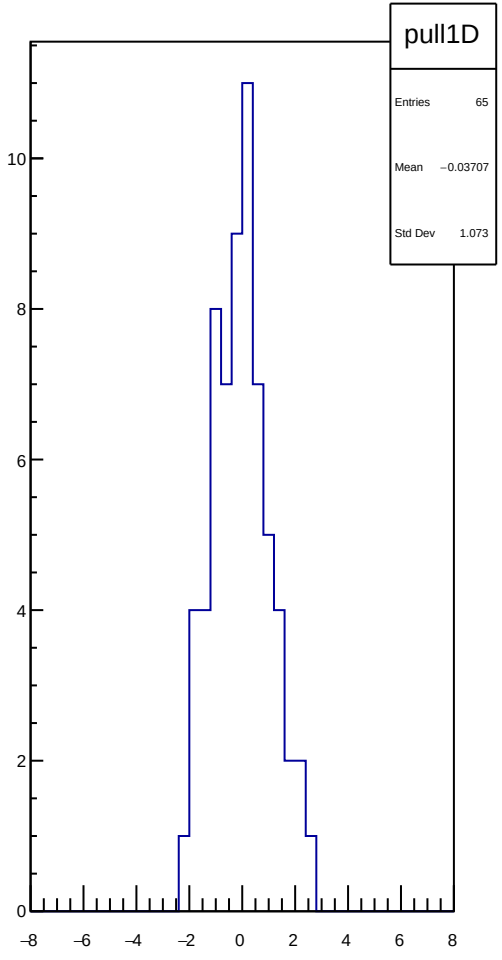

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.82 / 64
p0 −0.2514 ± 0.1234
pull
Entries 65
Mean −12.84
Std Dev 0
pull1D
Entries 65
Mean −0.0355
Std Dev 1.072

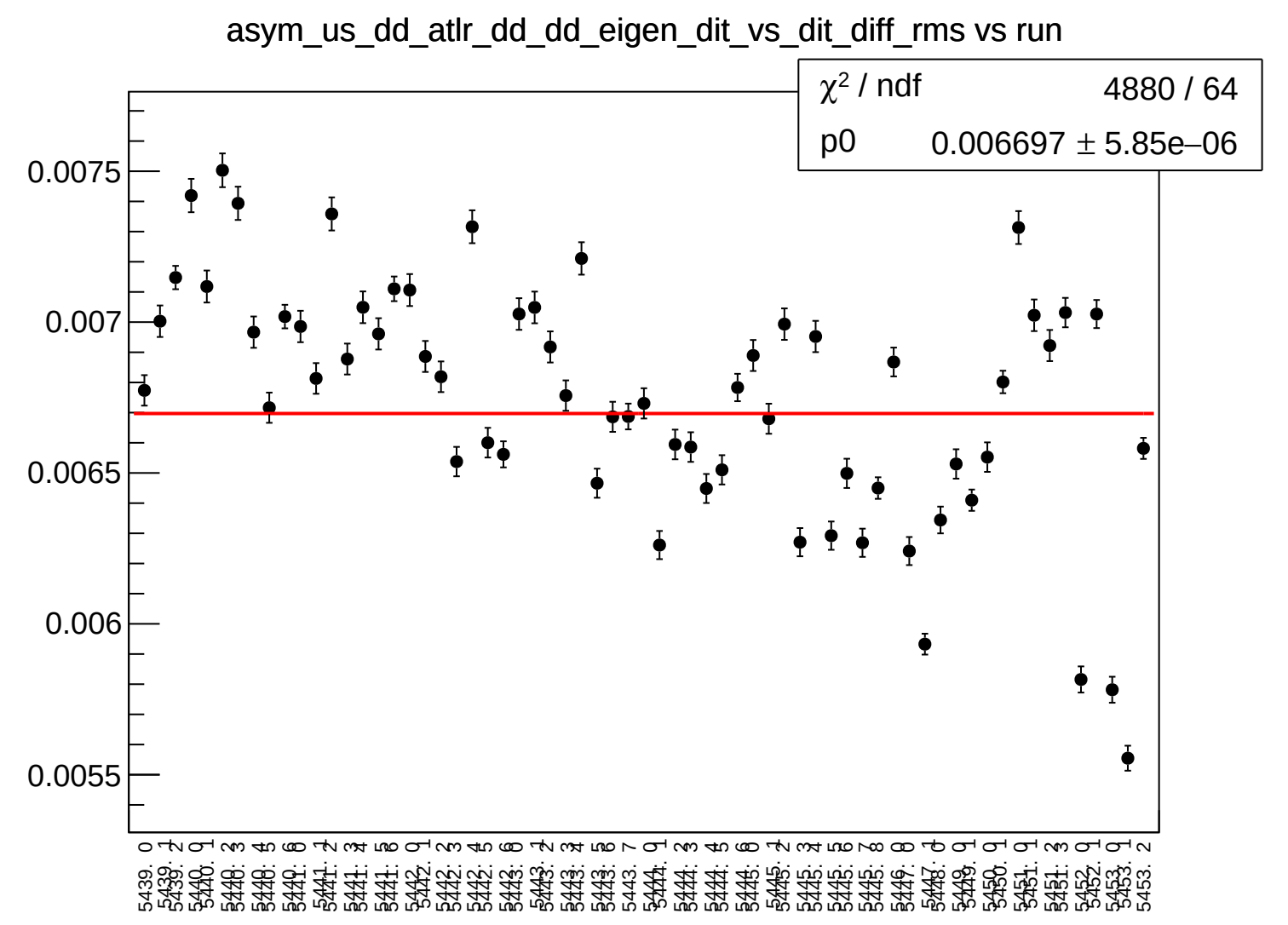

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.38e+05 / 64
p0 94.7 ± 0.08727
700
600
500
400
300
200
100

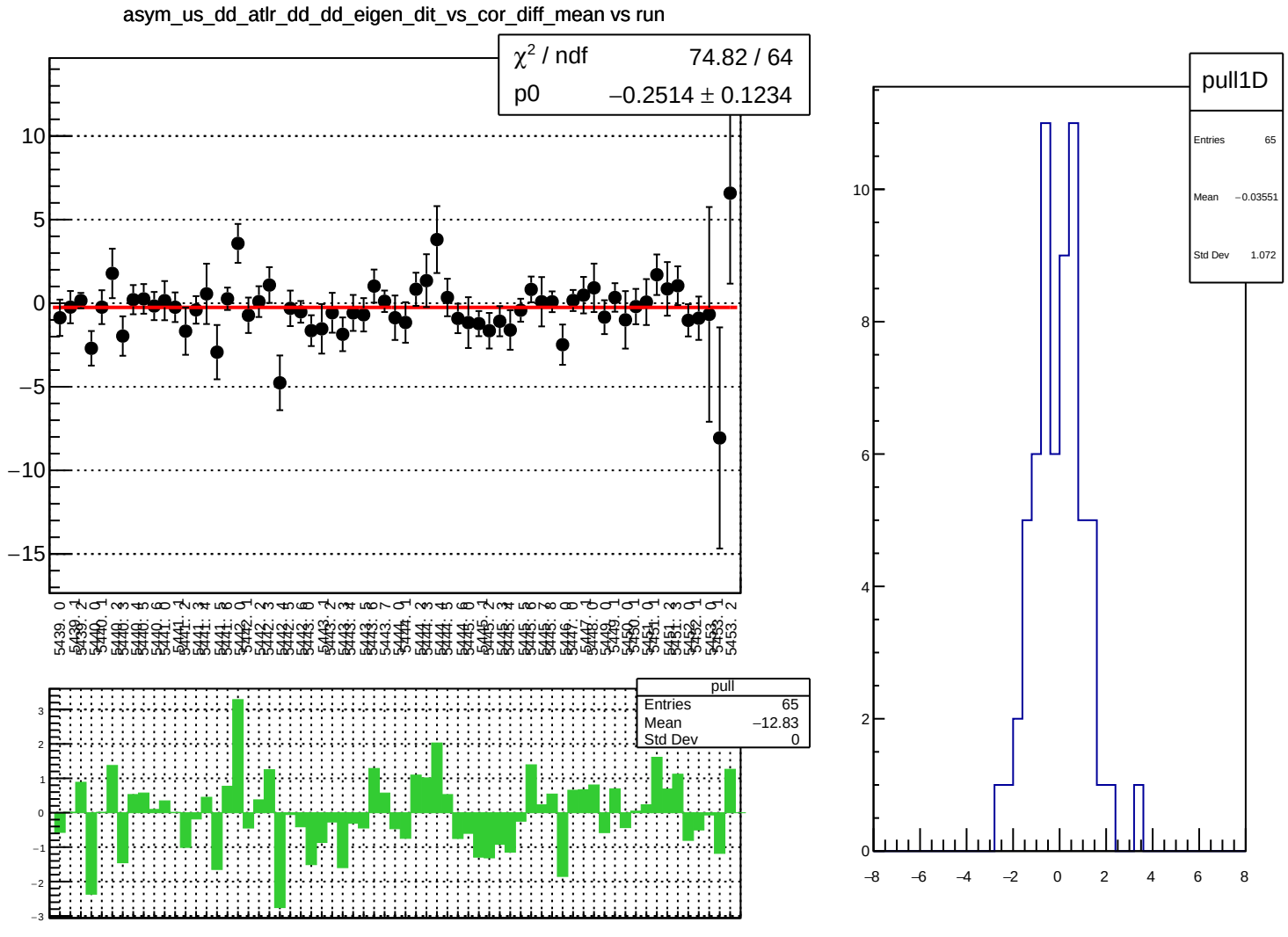

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.82 / 64
p0 −0.2514 ± 0.1234
pull
Entries 65
Mean −12.84
Std Dev 0
pull1D
Entries 65
Mean −0.0355
Std Dev 1.072

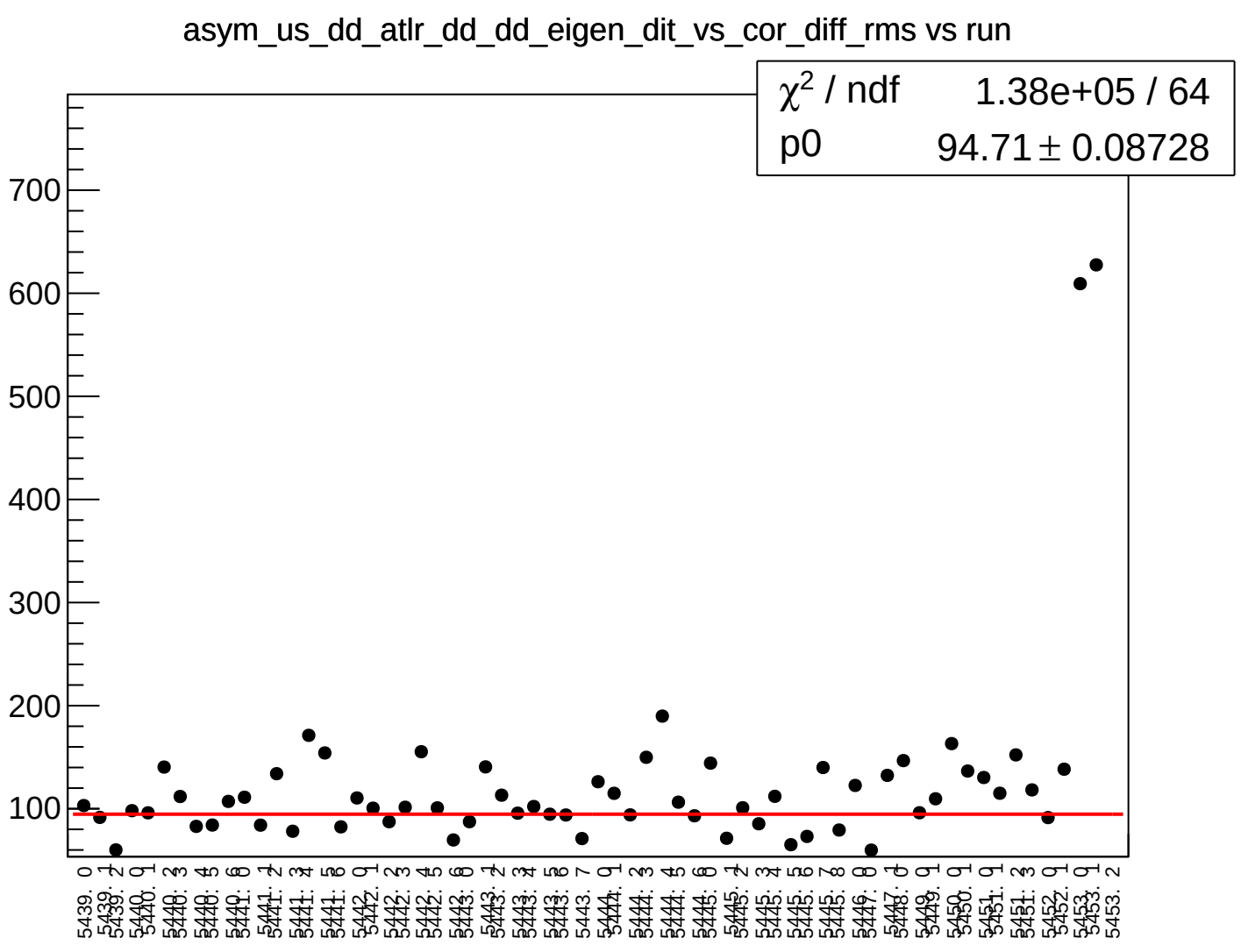

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.38e+05 / 64
p0 94.7 ± 0.08727
700
600
500
400
300
200
100

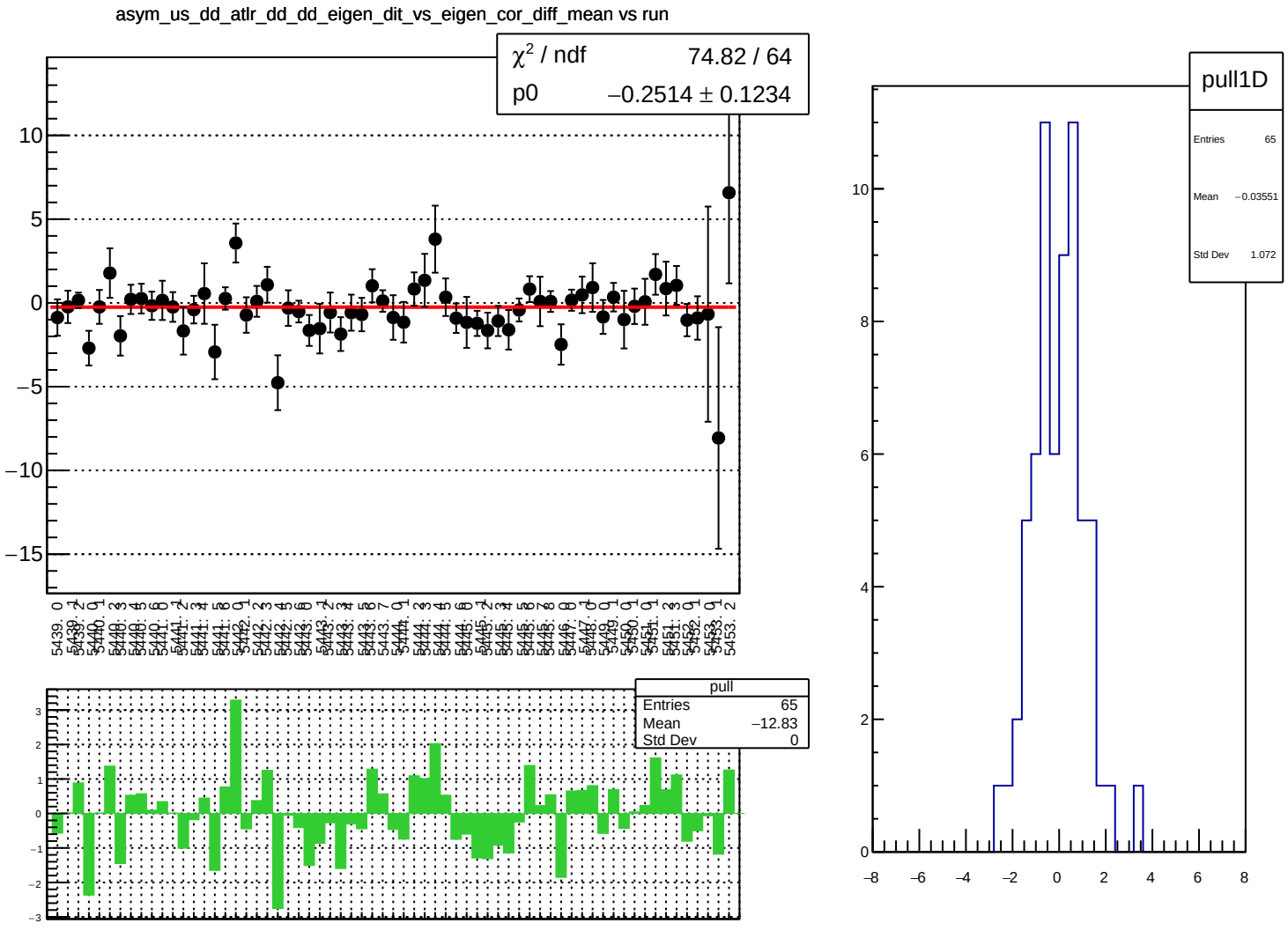

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.95 / 64
p0 −1.386e−05 ± 8.273e−06
pull
Entries 65
Mean −51.02
Std Dev 0

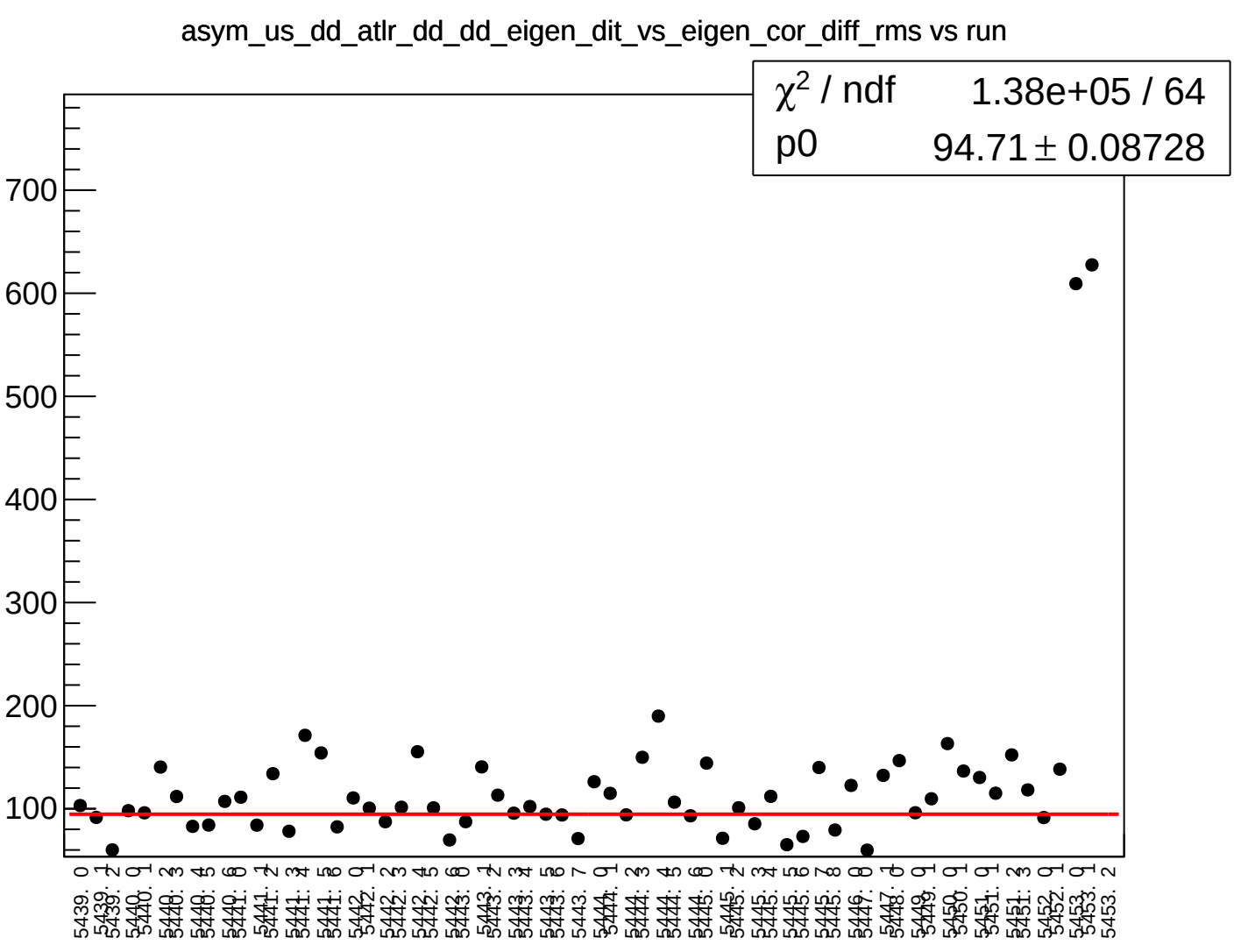

pull1D
Entries 65
Mean −0.03707
Std Dev 1.073

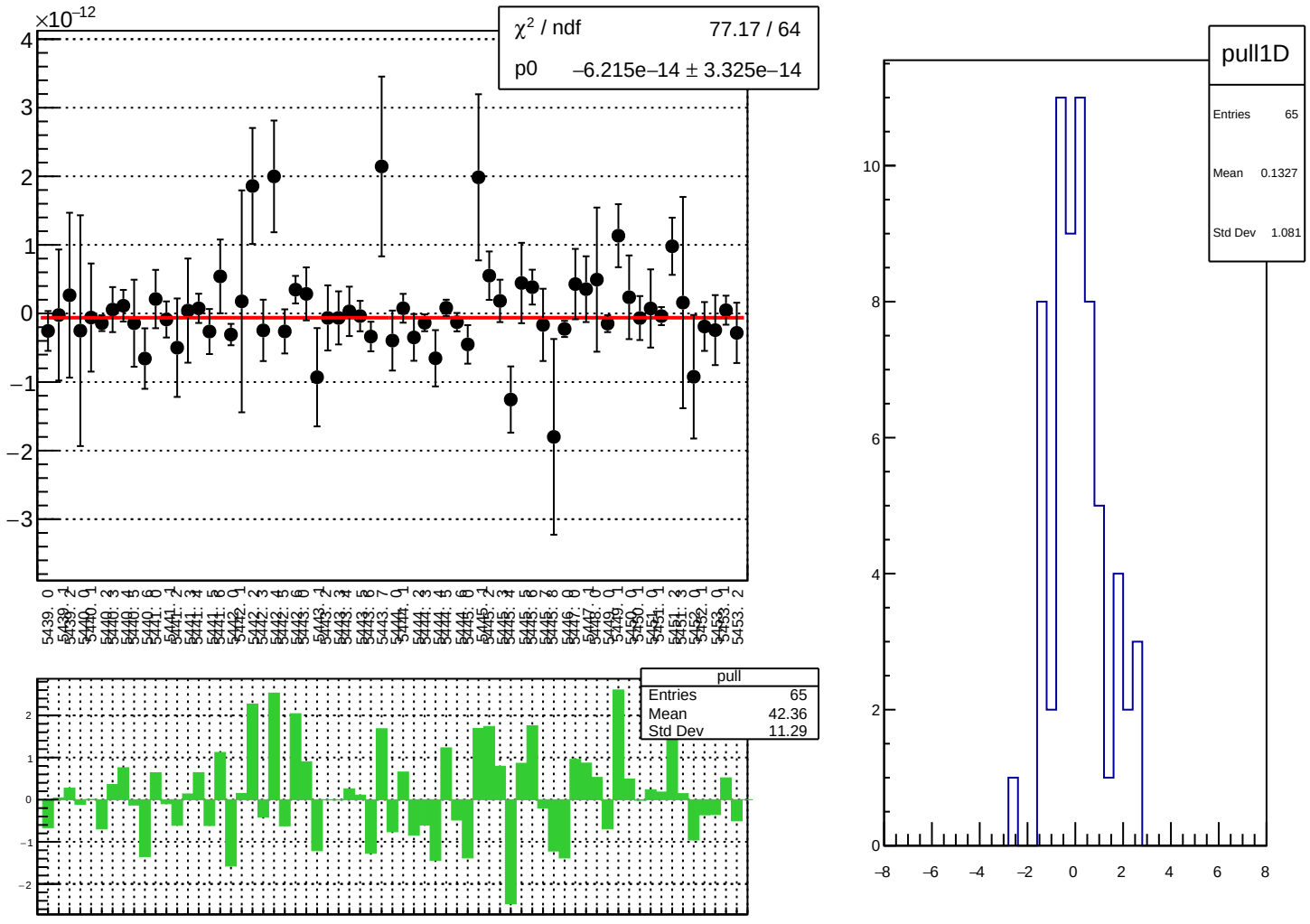

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4880 / 64
p0 0.006697 ± 5.85e−06
0.0075
0.007
0.0065
0.006
0.0055

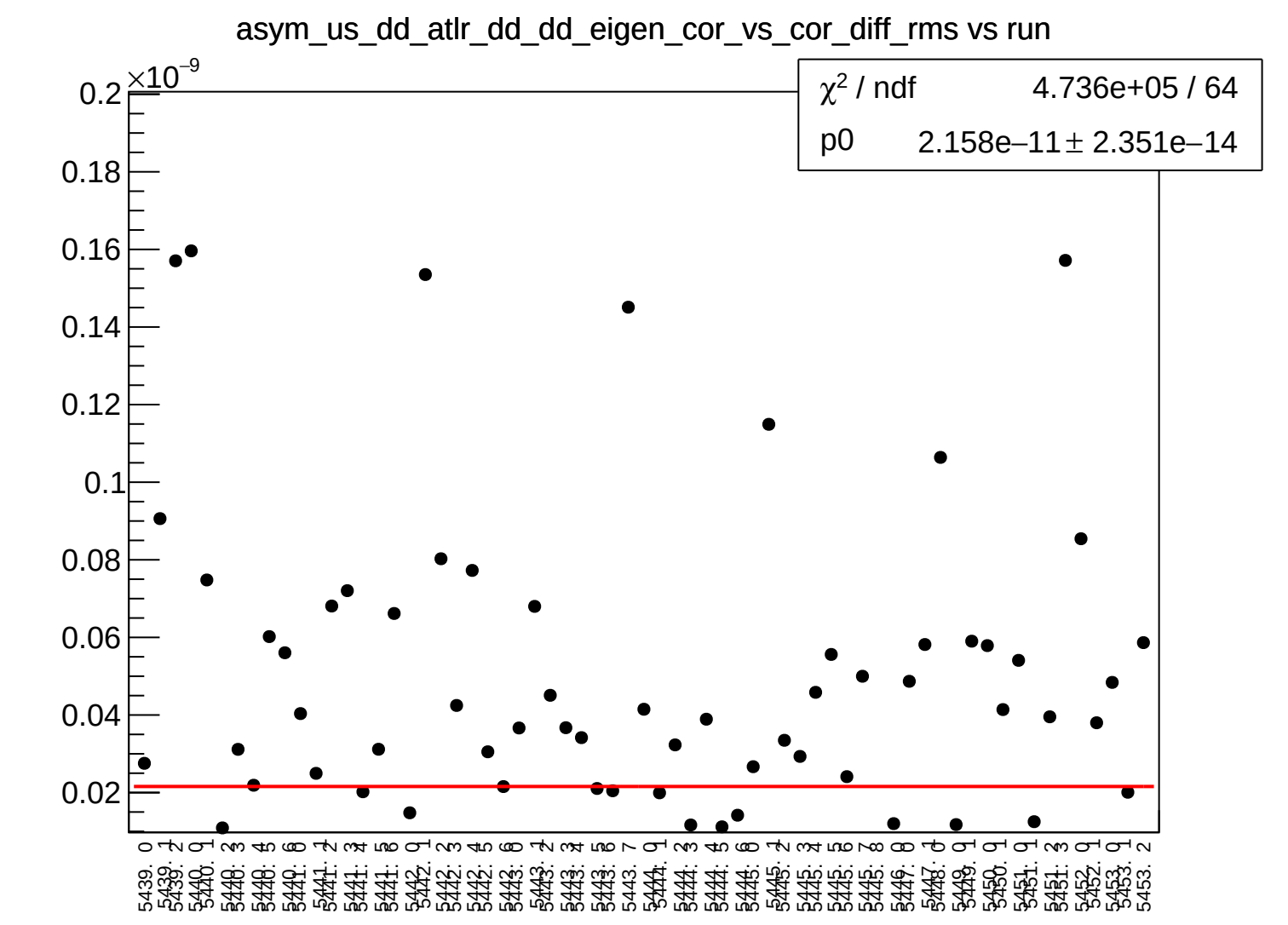

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.82 / 64
p0 −0.2514 ± 0.1234
pull
Entries 65
Mean −12.83
Std Dev 0
pull1D
Entries 65
Mean −0.03551
Std Dev 1.072

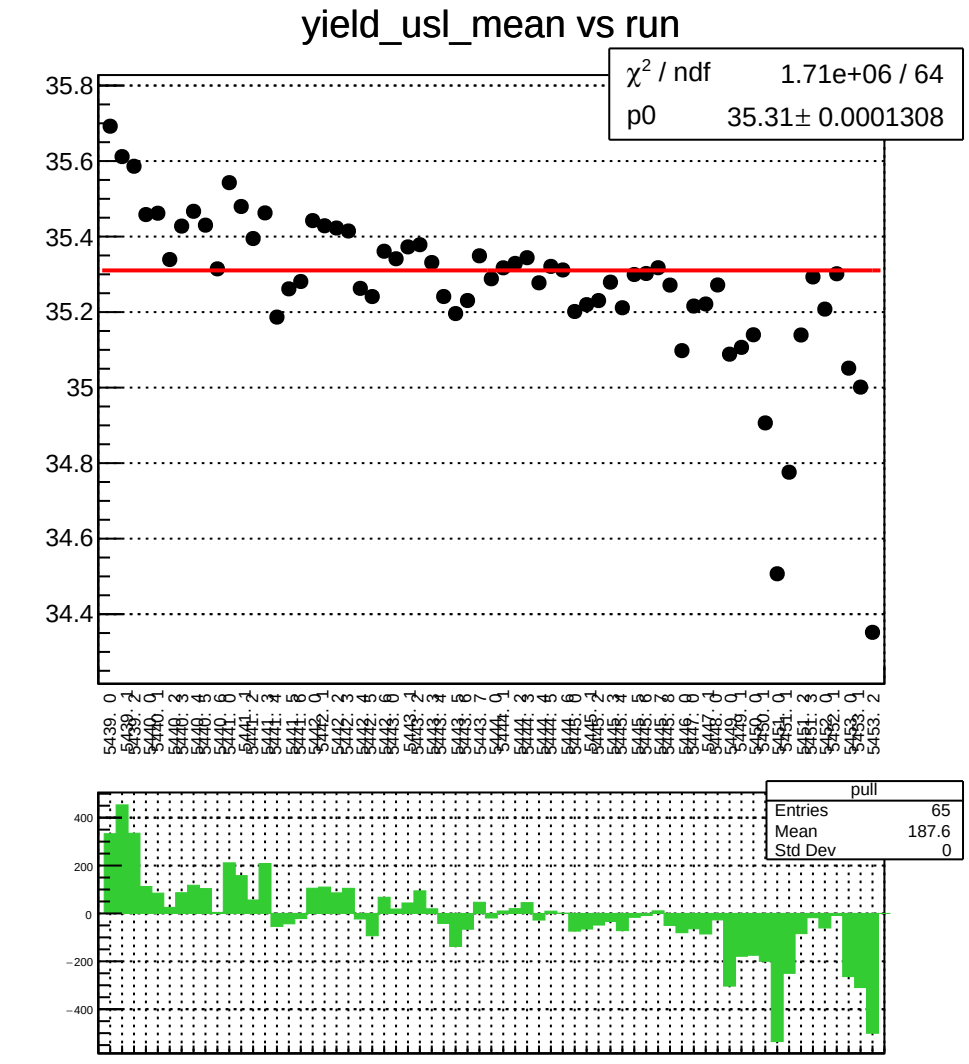

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.38e+05 / 64
p0 94.71 ± 0.08728
700
600
500
400
300
200
100

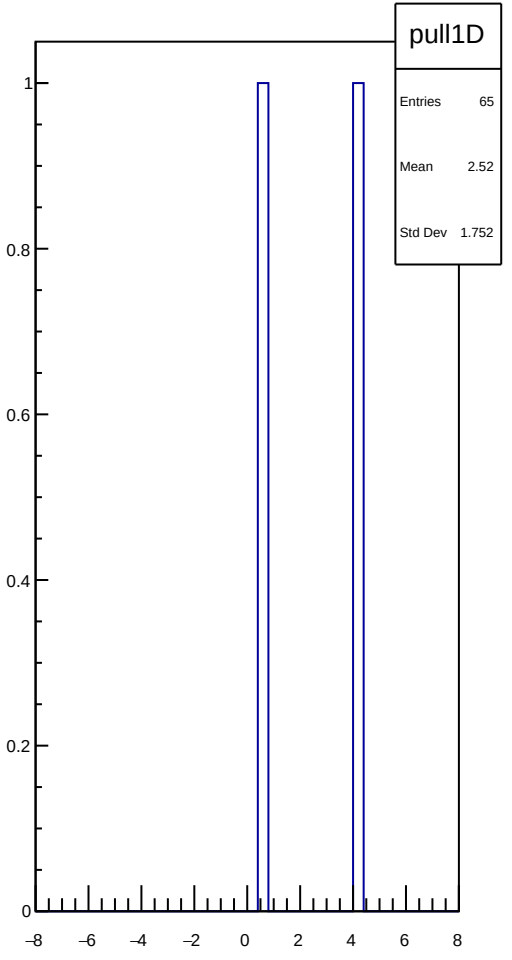

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.82 / 64
p0 −0.2514 ± 0.1234
pull
Entries 65
Mean −12.83
Std Dev 0
pull1D
Entries 65
Mean −0.03551
Std Dev 1.072

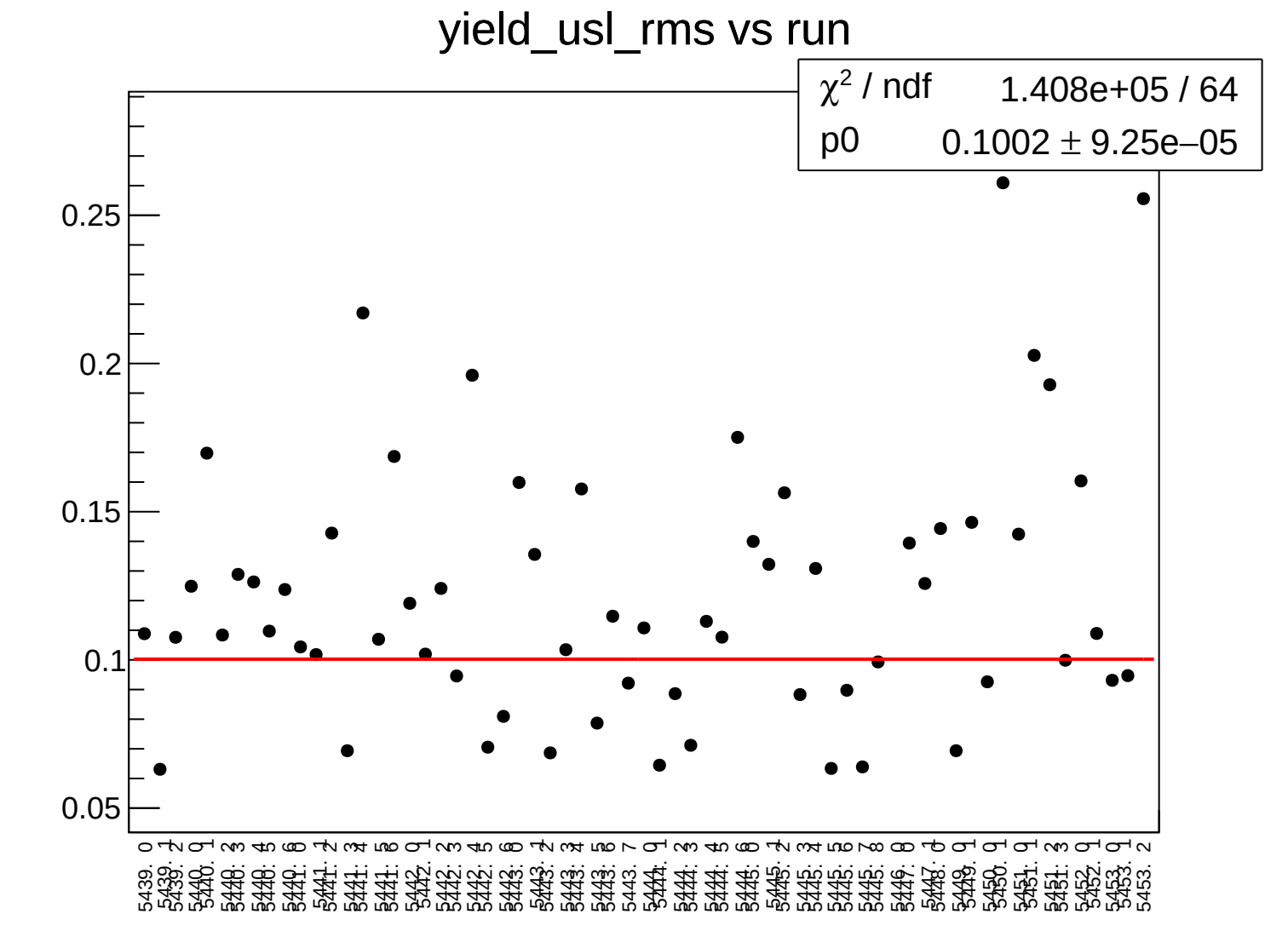

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.38e+05 / 64
p0 94.71 ± 0.08728
700
600
500
400
300
200
100

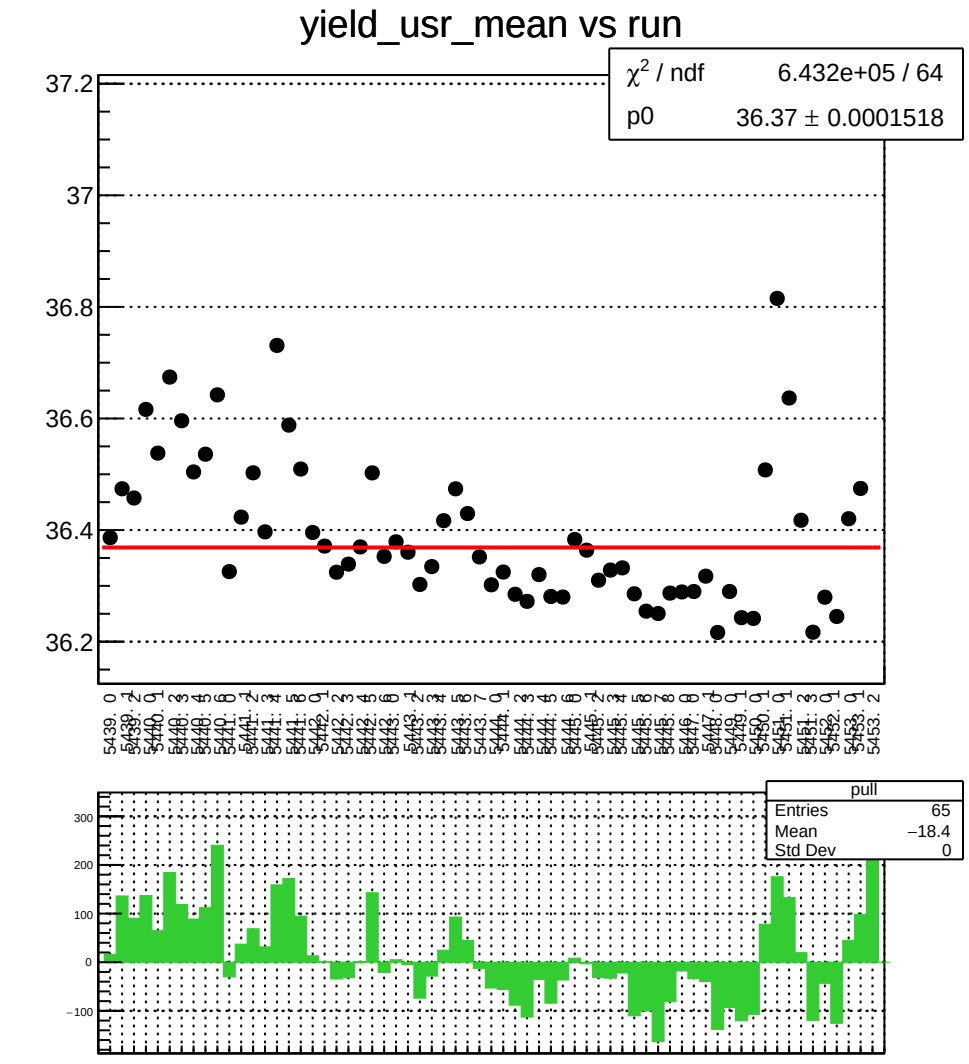

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.17 / 64
p0 −6.215e−14 ± 3.325e−14
pull
Entries 65
Mean 42.36
Std Dev 11.29
pull1D
Entries 65
Mean 0.1327
Std Dev 1.081

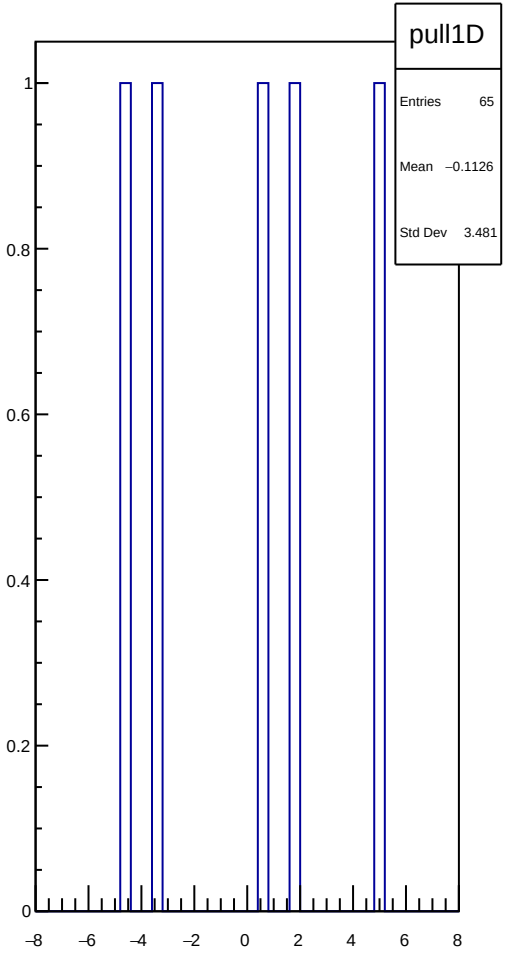

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.736e+05 / 64
p0 2.158e−11 ± 2.351e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

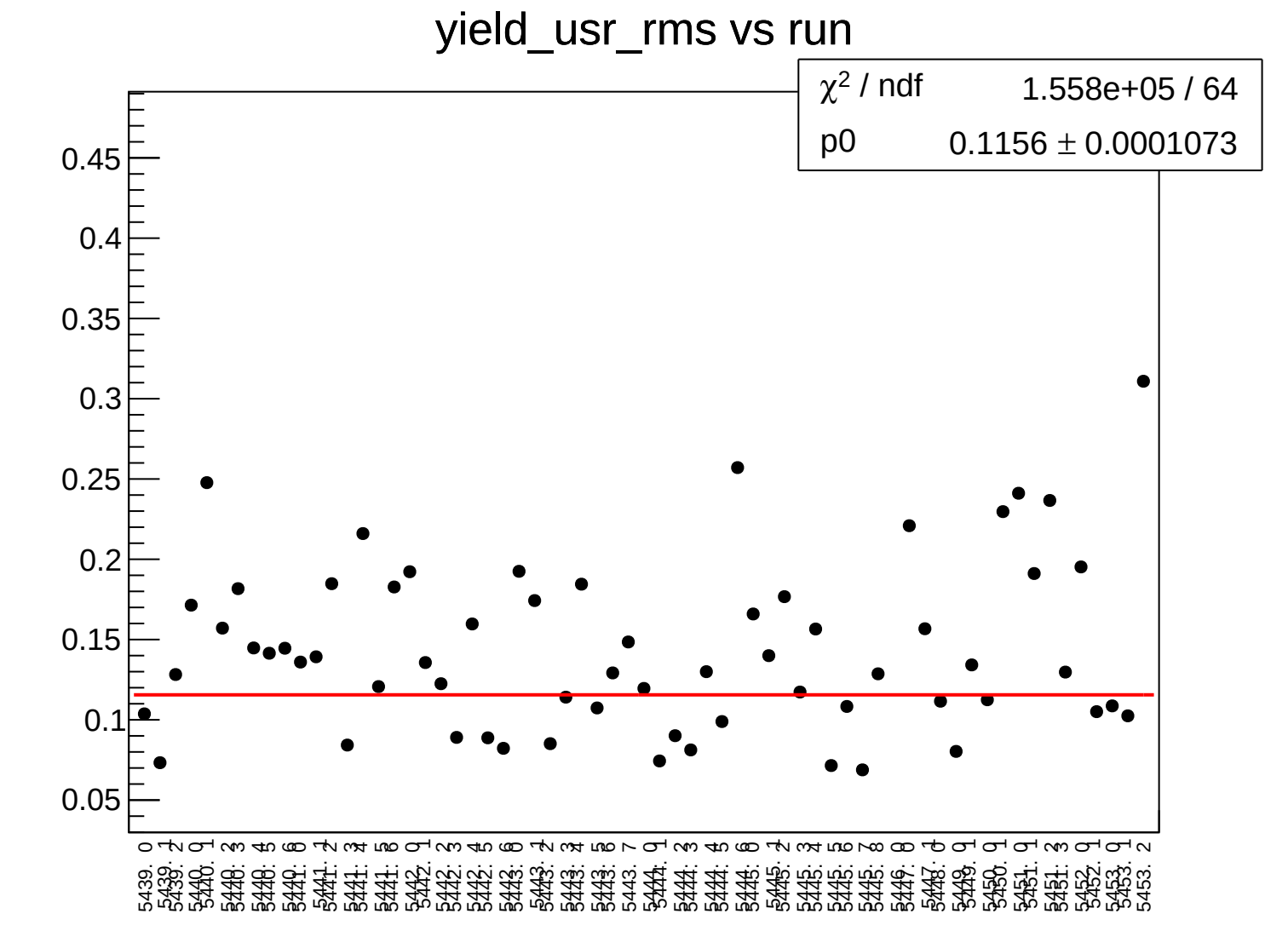

yield_usl_mean vs run
χ² / ndf 1.71e+06 / 64
p0 35.31± 0.0001308
35.8
35.6
35.4
35.2
35
34.8
34.6
34.4
pull
Entries 65
Mean 187.6
Std Dev 0
400
200
0
−200
−400

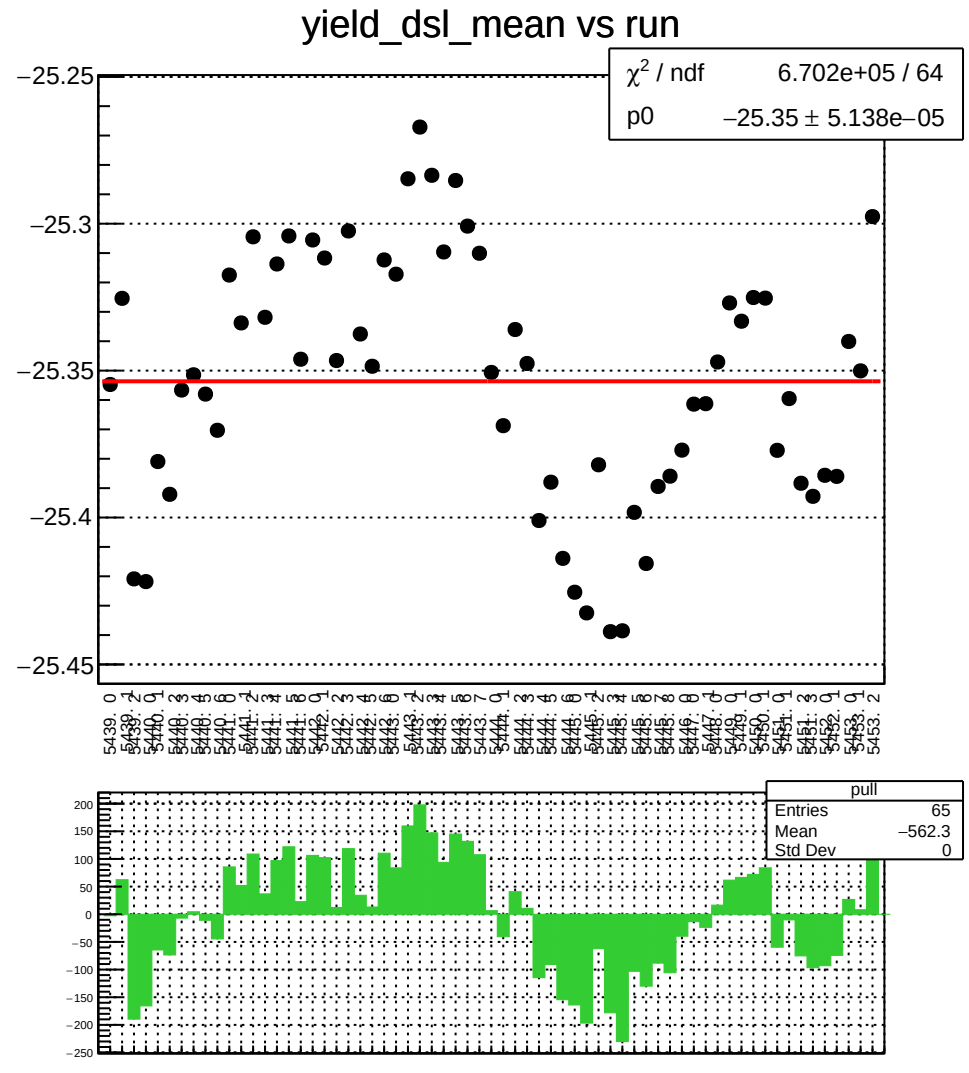

pull1D
Entries 65
Mean 2.52
Std Dev 1.752
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

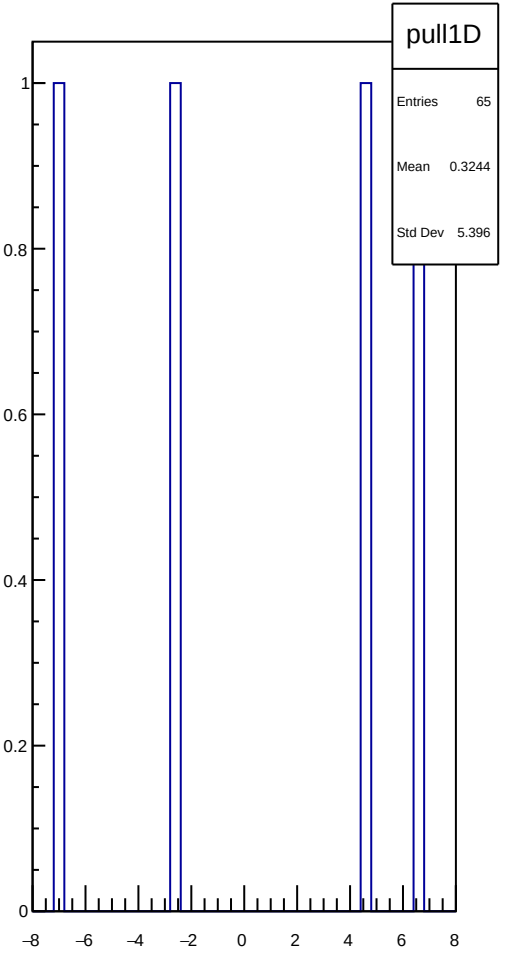

yield_usl_rms vs run
χ² / ndf 1.408e+05 / 64
p0 0.1002 ± 9.25e−05
0.25
0.2
0.15
0.1
0.05

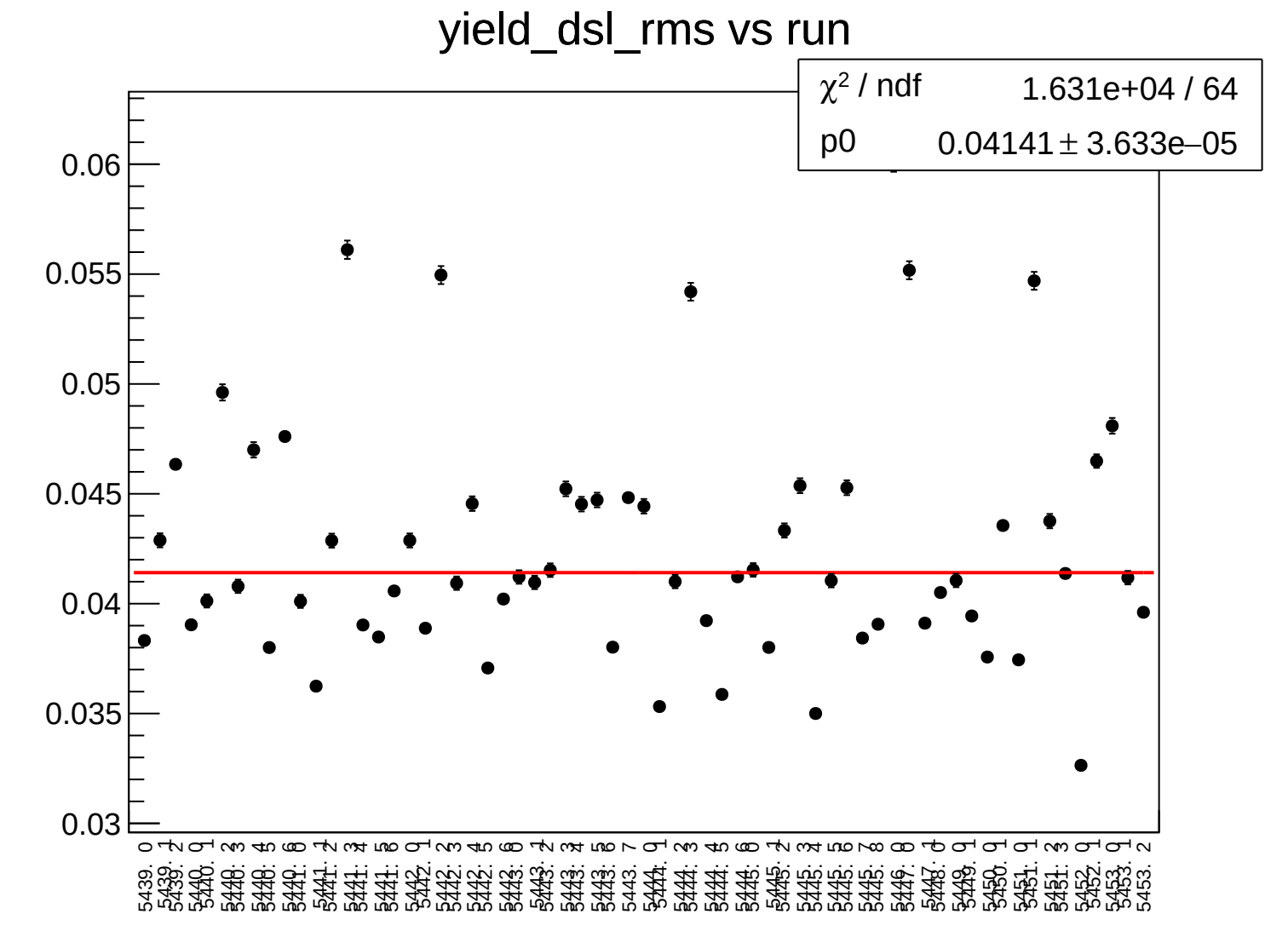

yield_usr_mean vs run
χ² / ndf 6.432e+05 / 64
p0 36.37 ± 0.0001518
37.2
37
36.8
36.6
36.4
36.2
pull
Entries 65
Mean −18.4
Std Dev 0
300
200
100
0
−100

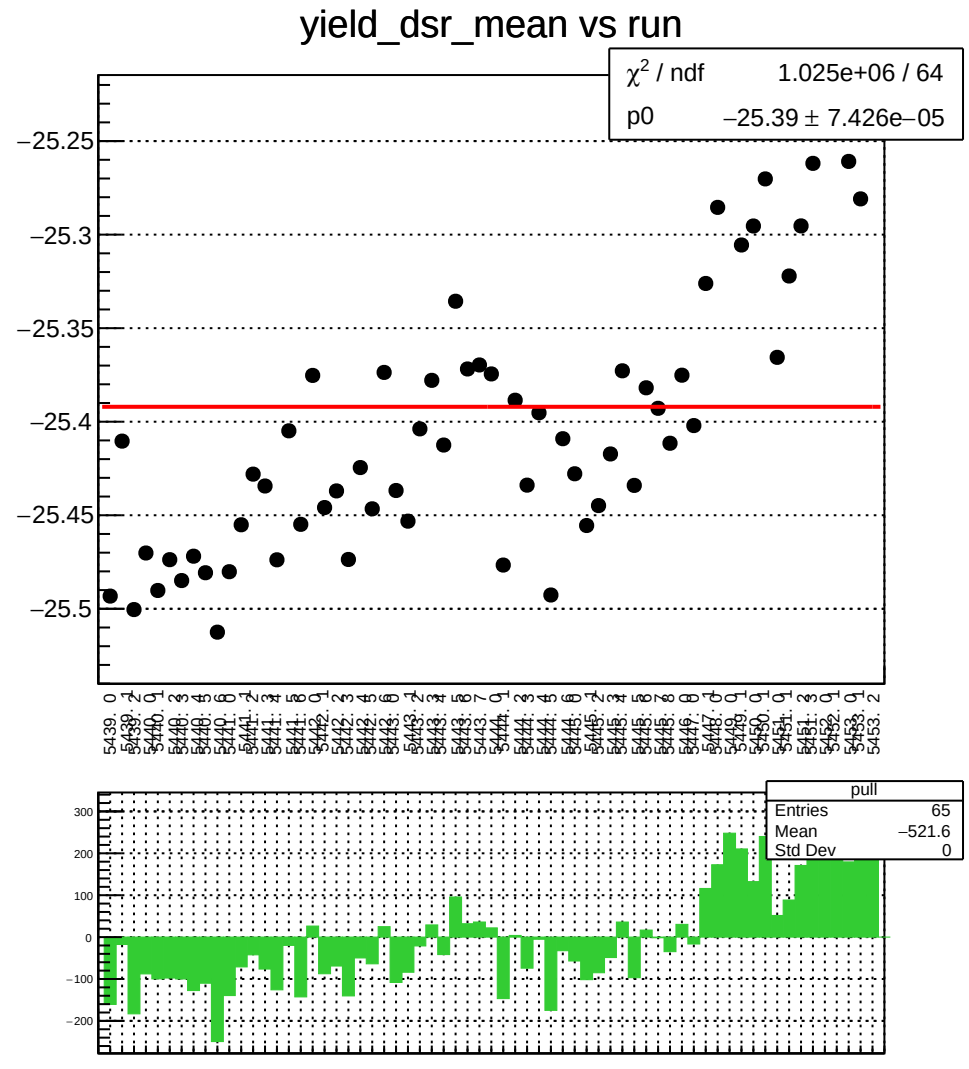

pull1D
Entries 65
Mean −0.1126
Std Dev 3.481
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

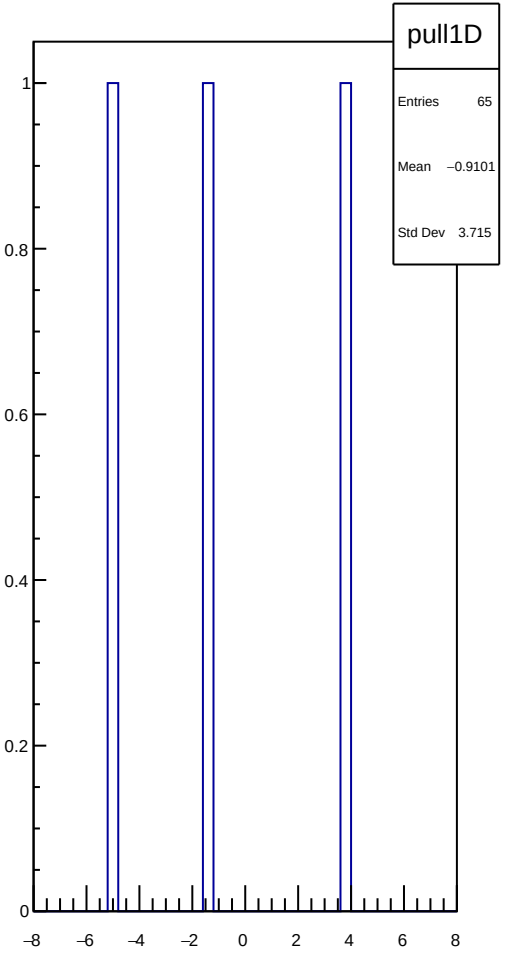

yield_usr_rms vs run
χ² / ndf 1.558e+05 / 64
p0 0.1156 ± 0.0001073
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

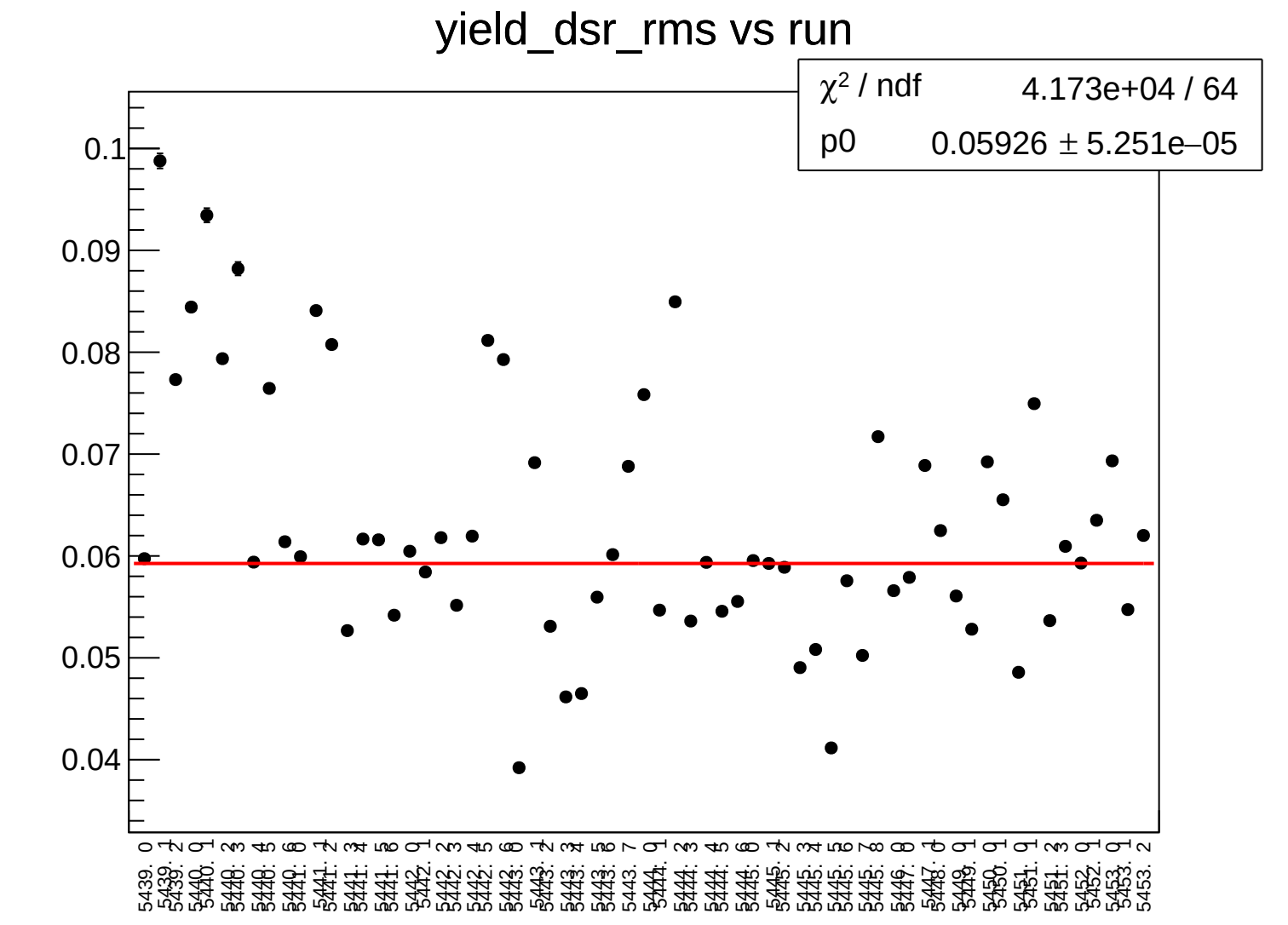

yield_dsl_mean vs run
χ² / ndf 6.702e+05 / 64
p0 −25.35 ± 5.138e−05
−25.25
−25.3
−25.35
−25.4
−25.45
pull
Entries 65
Mean −562.3
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

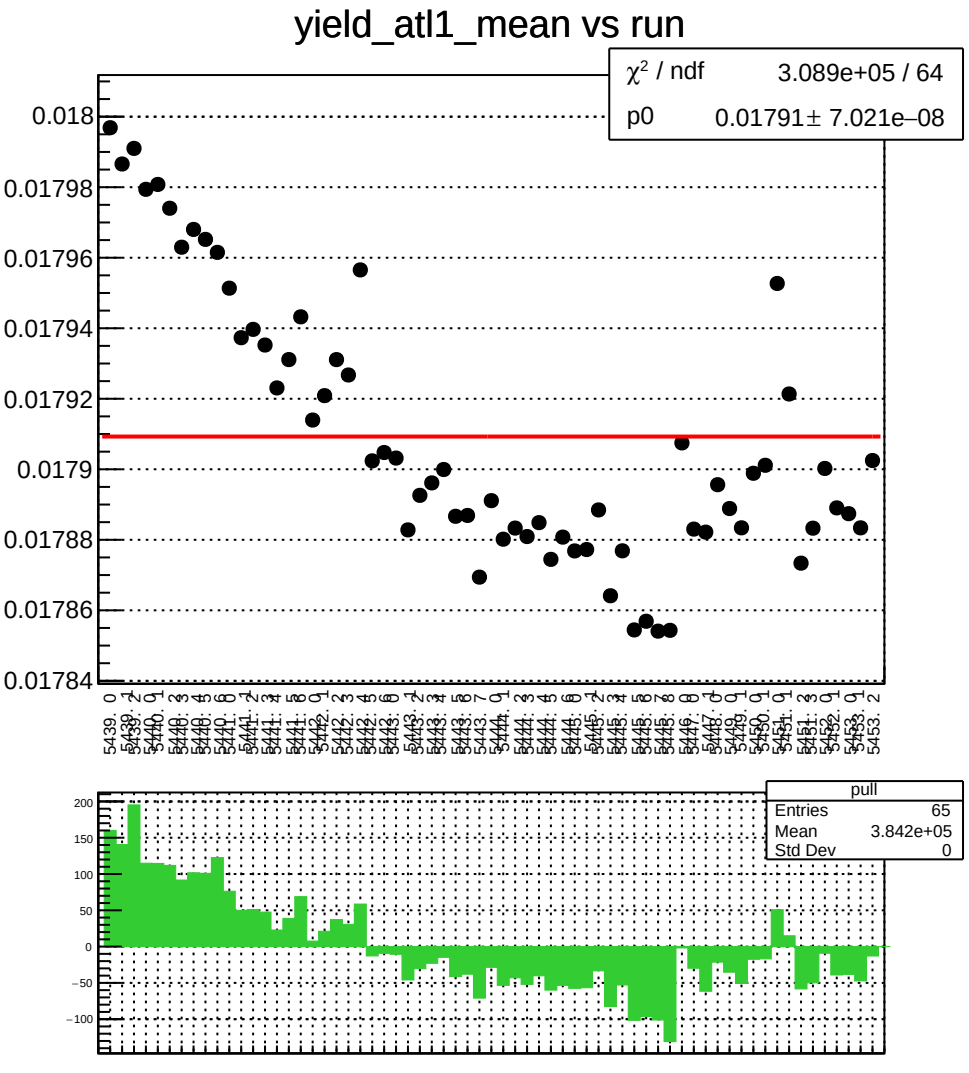

pull1D
Entries 65
Mean 0.3244
Std Dev 5.396
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

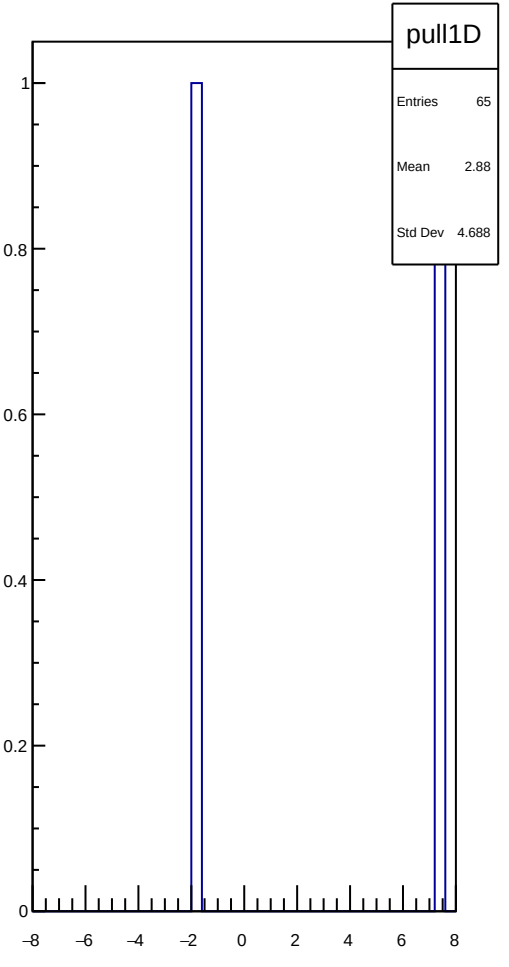

yield_dsl_rms vs run
χ² / ndf 1.631e+04 / 64
p0 0.04141 ± 3.633e–05
0.06
0.055
0.05
0.045
0.04
0.035
0.03

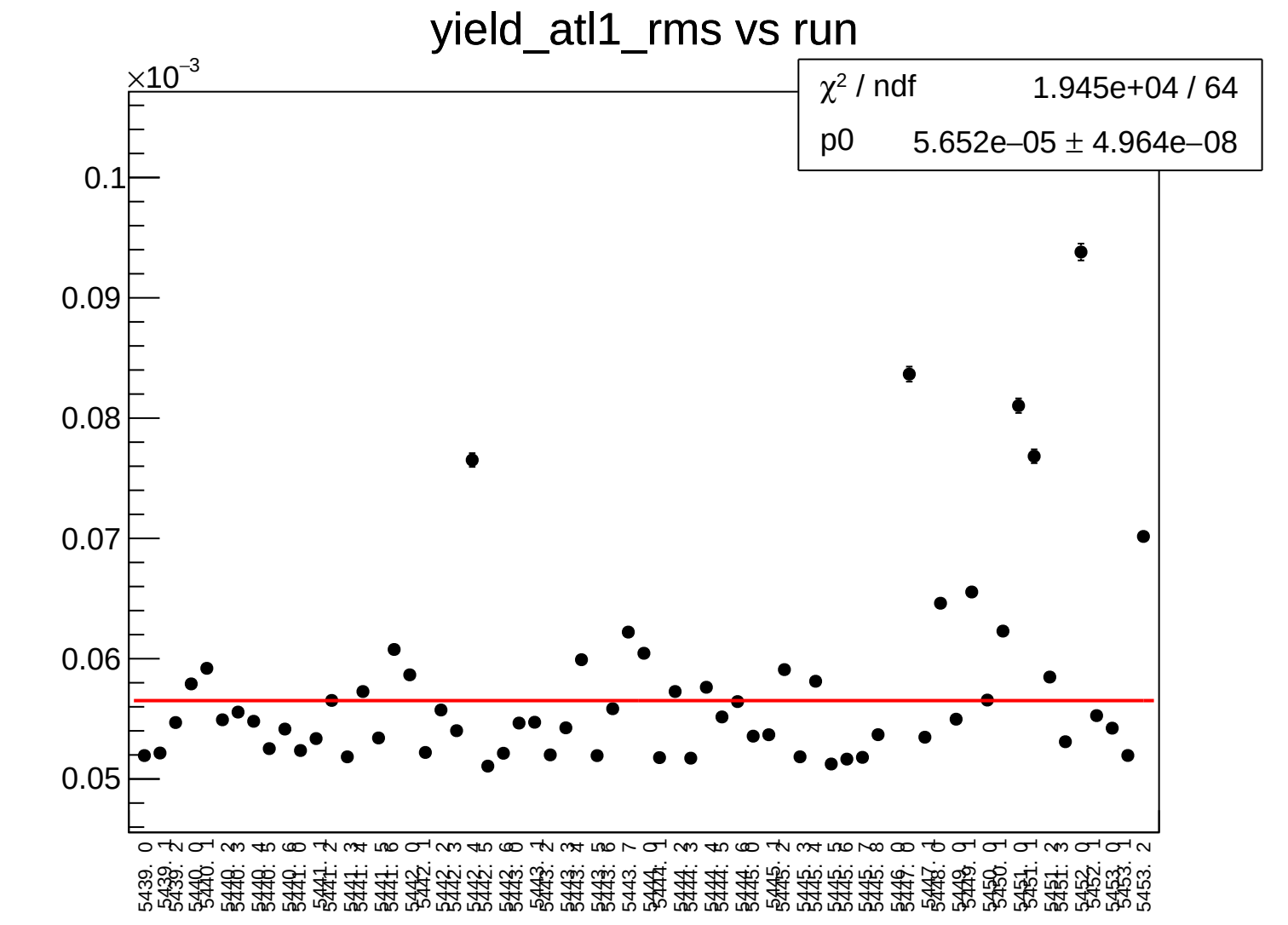

yield_dsr_mean vs run
χ² / ndf 1.025e+06 / 64
p0 −25.39 ± 7.426e−05
−25.25
−25.3
−25.35
−25.4
−25.45
−25.5
pull
Entries 65
Mean −521.6
Std Dev 0
300
200
100
0
−100
−200

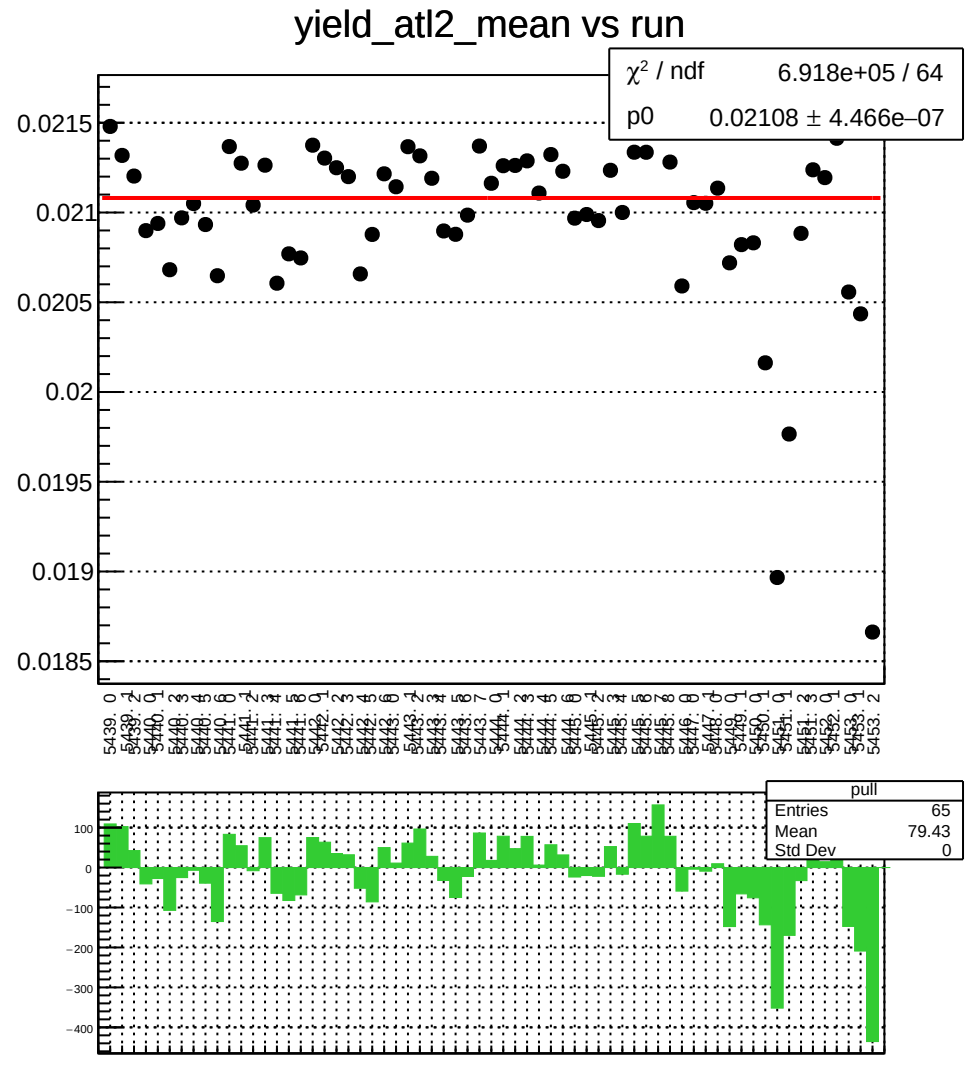

pull1D
Entries 65
Mean −0.9101
Std Dev 3.715
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

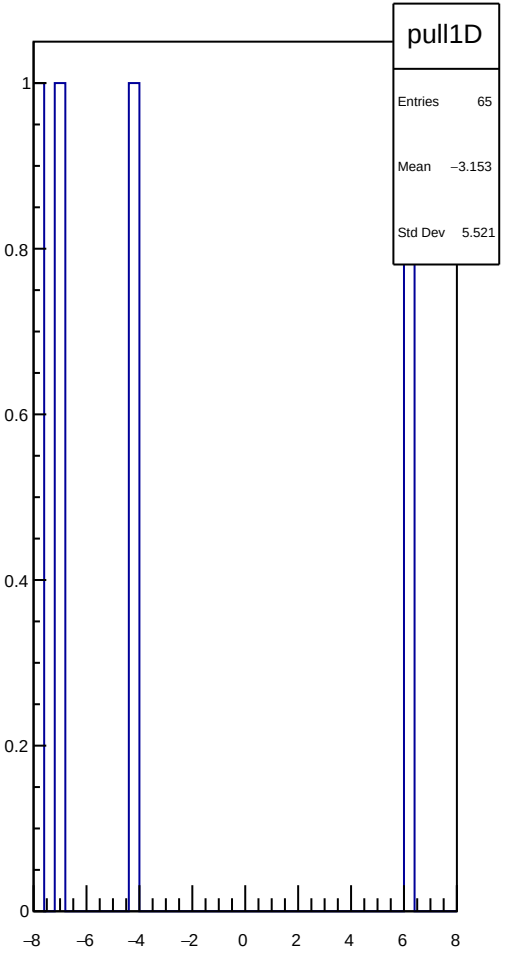

yield_dsr_rms vs run
χ² / ndf 4.173e+04 / 64
p0 0.05926 ± 5.251e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

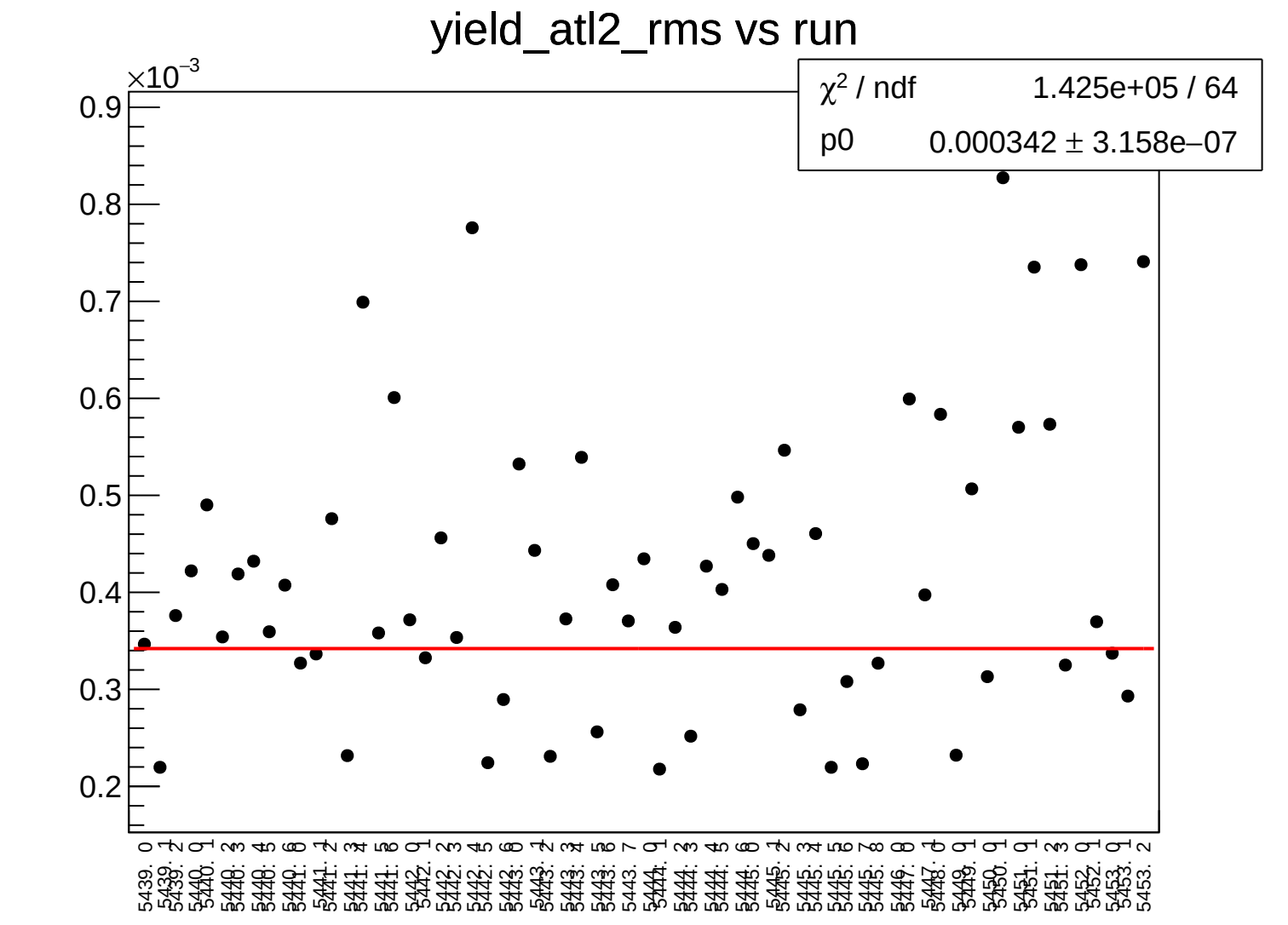

yield_atl1_mean vs run
χ² / ndf 3.089e+05 / 64
p0 0.01791± 7.021e−08
0.018
0.01798
0.01796
0.01794
0.01792
0.0179
0.01788
0.01786
0.01784
pull
Entries 65
Mean 3.842e+05
Std Dev 0
200
150
100
50
0
−50
−100

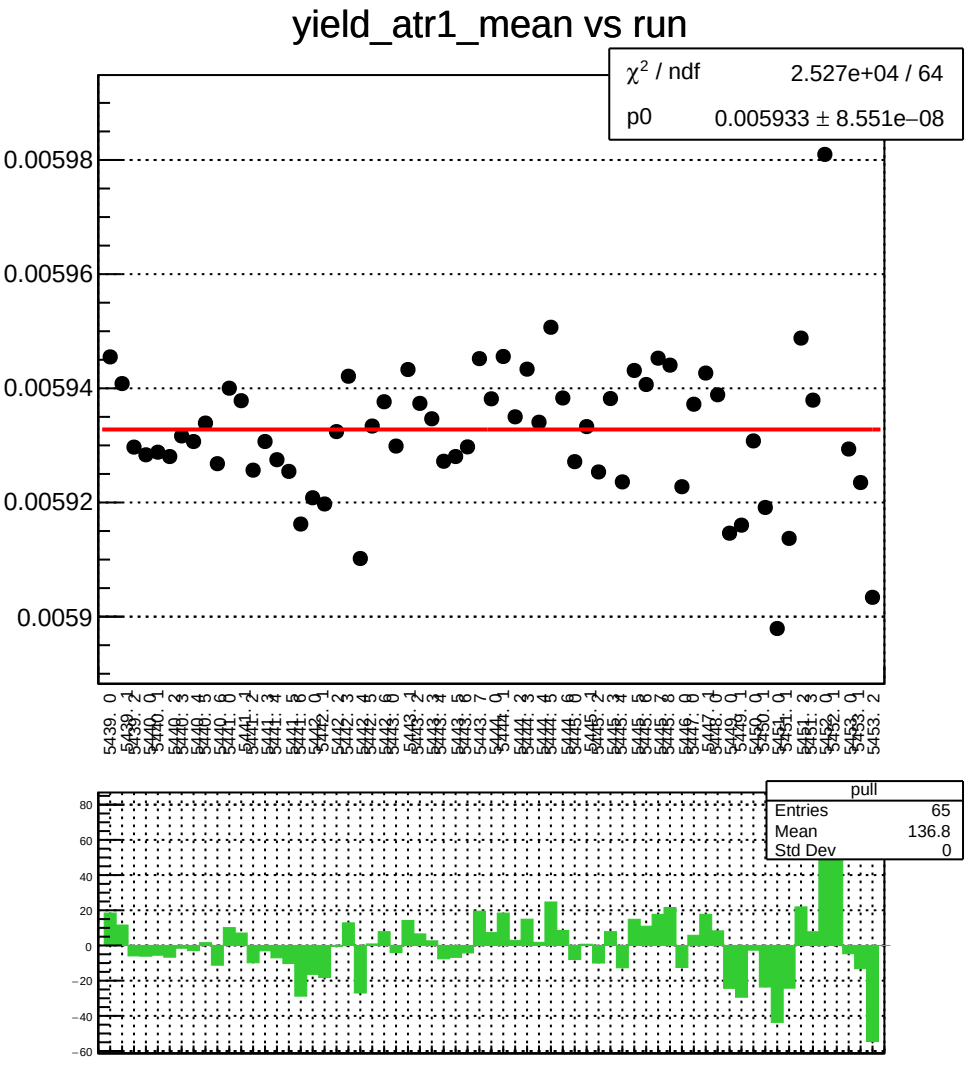

pull1D
Entries 65
Mean 2.88
Std Dev 4.688
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

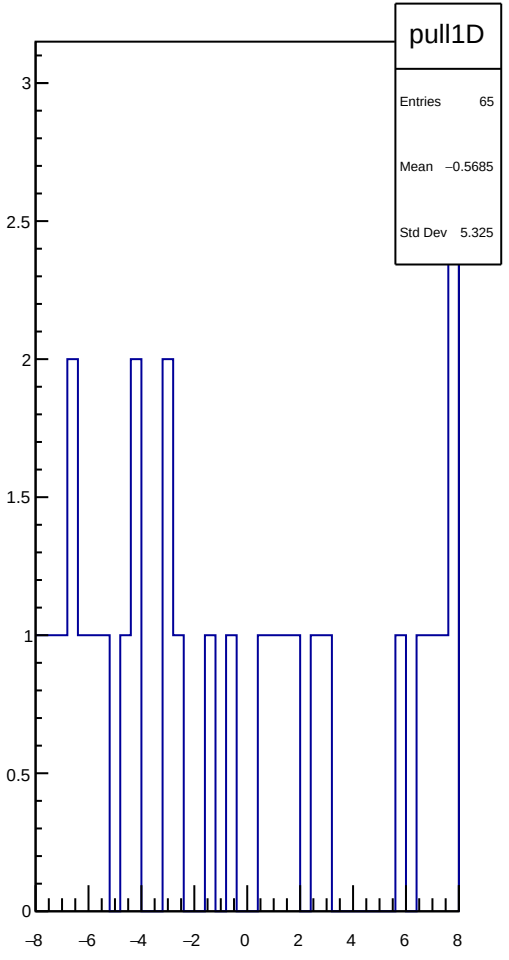

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.945e+04 / 64
p0 5.652e−05 ± 4.964e−08
0.1
0.09
0.08
0.07
0.06
0.05

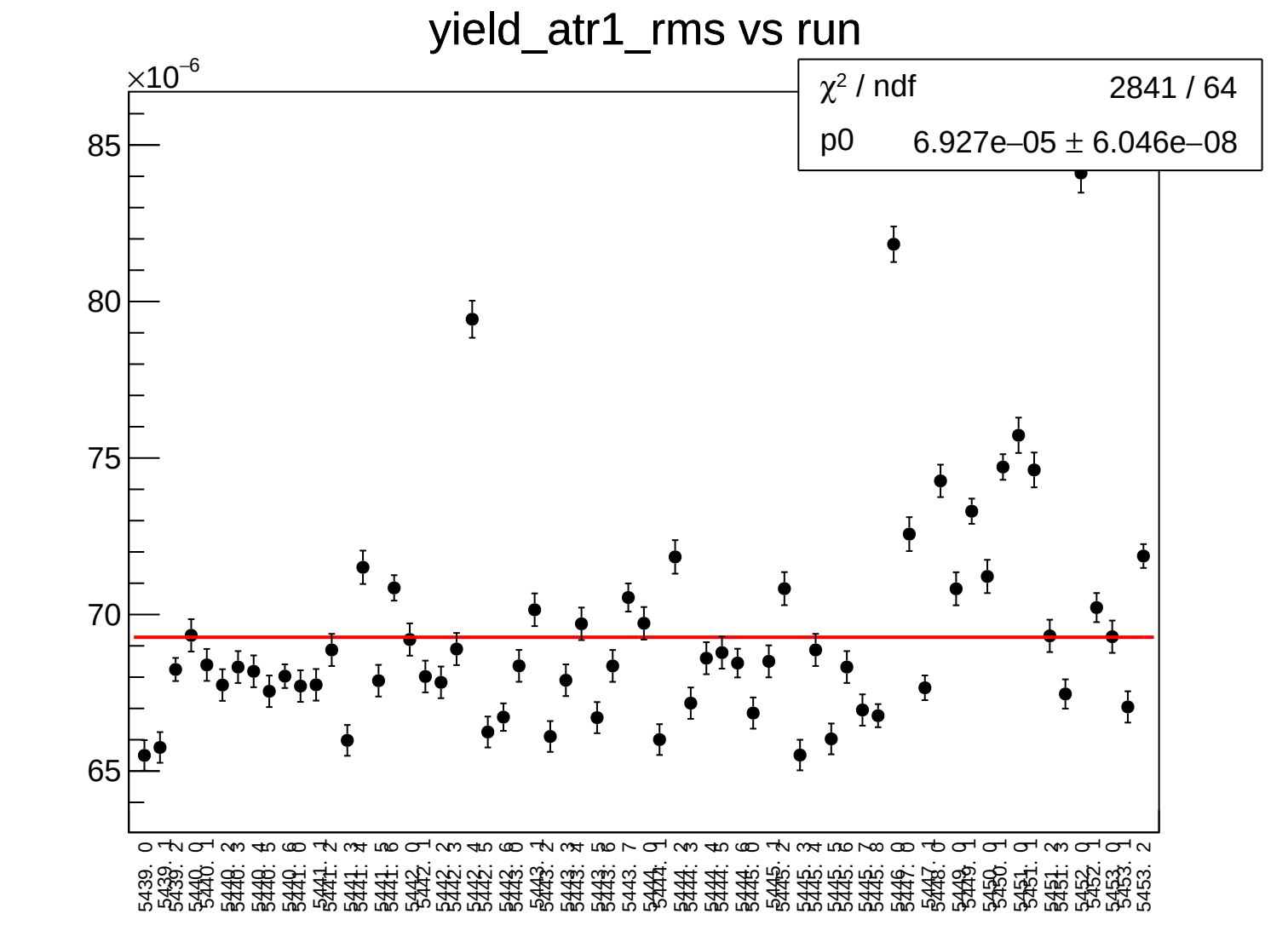

yield_atl2_mean vs run
χ² / ndf 6.918e+05 / 64
p0 0.02108 ± 4.466e−07
0.0215
0.021
0.0205
0.02
0.0195
0.019
0.0185
pull
Entries 65
Mean 79.43
Std Dev 0
100
0
−100
−200
−300
−400

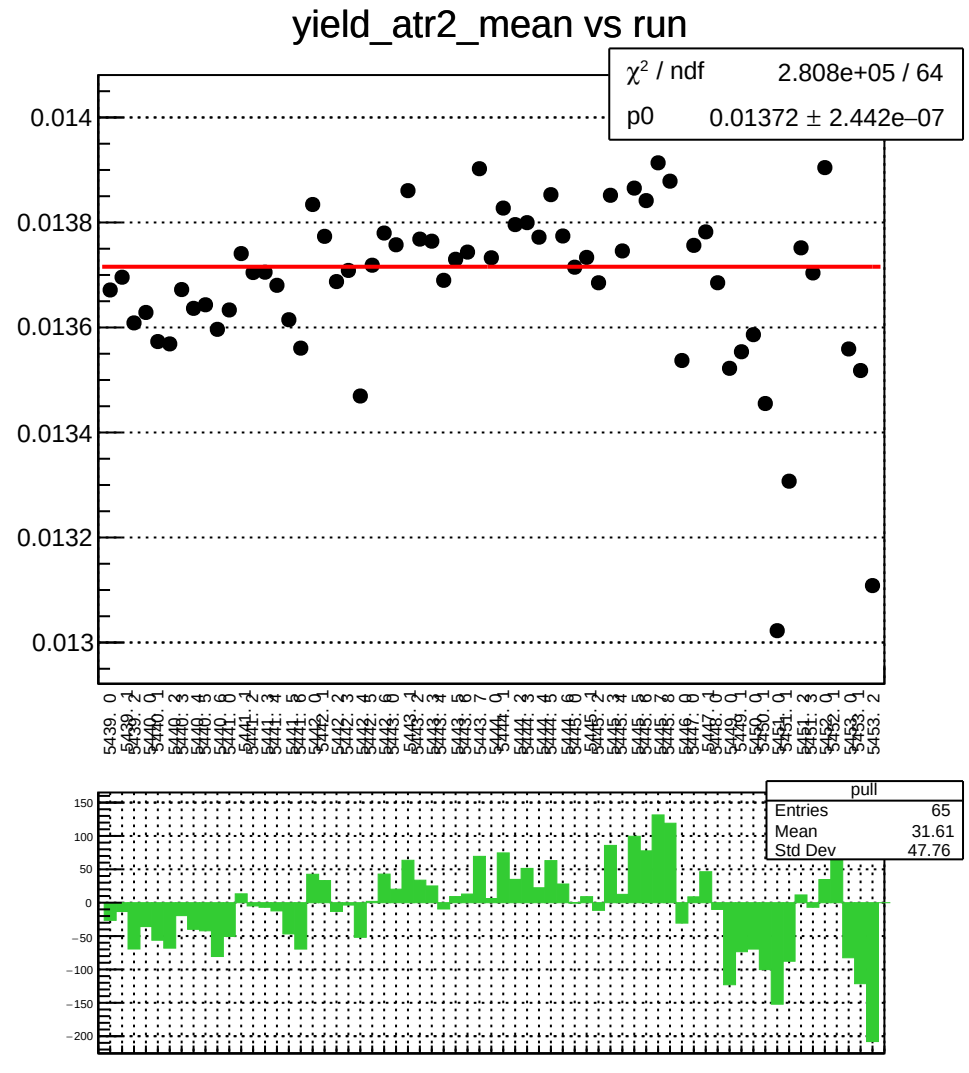

pull1D
Entries 65
Mean −3.153
Std Dev 5.521
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

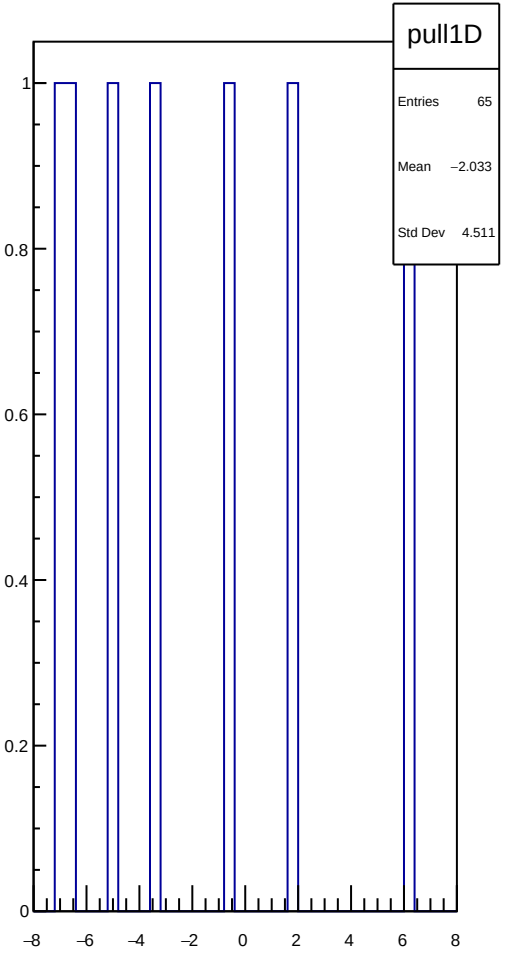

yield_atl2_rms vs run
×10⁻³
χ² / ndf 1.425e+05 / 64
p0 0.000342 ± 3.158e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

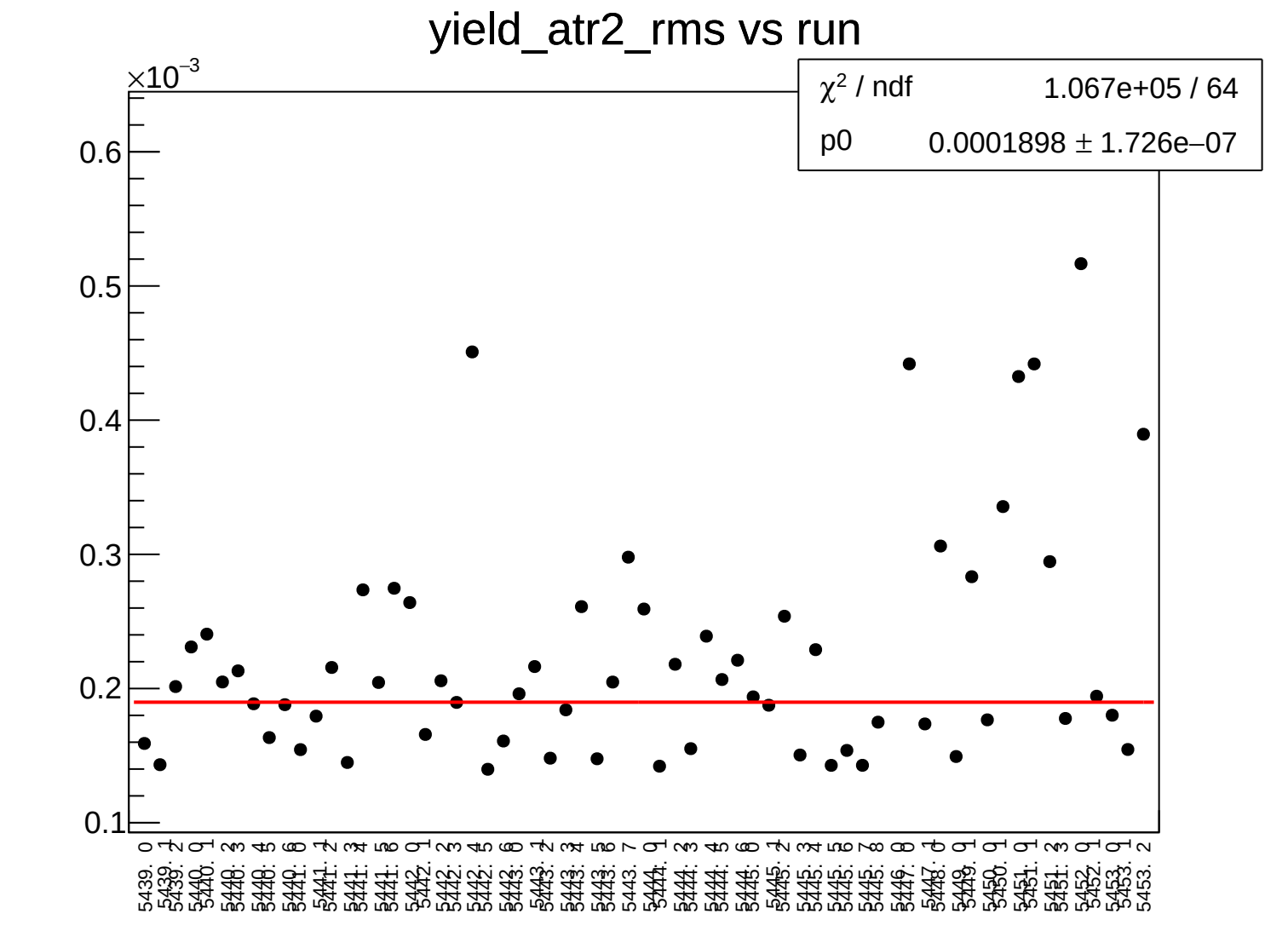

yield_atr1_mean vs run
χ² / ndf 2.527e+04 / 64
p0 0.005933 ± 8.551e−08
0.00598
0.00596
0.00594
0.00592
0.0059
pull
Entries 65
Mean 136.8
Std Dev 0
80
60
40
20
0
−20
−40
−60

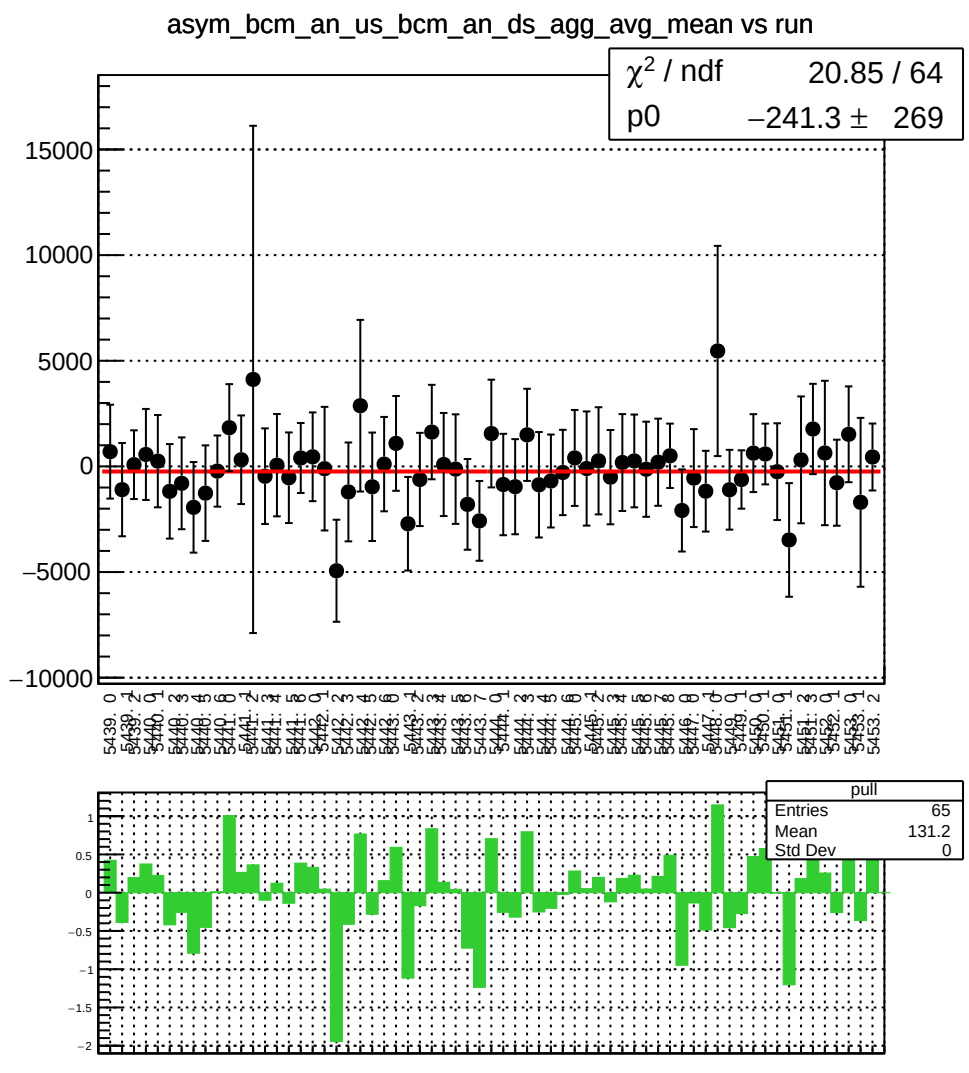

pull1D
Entries 65
Mean −0.5685
Std Dev 5.325
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

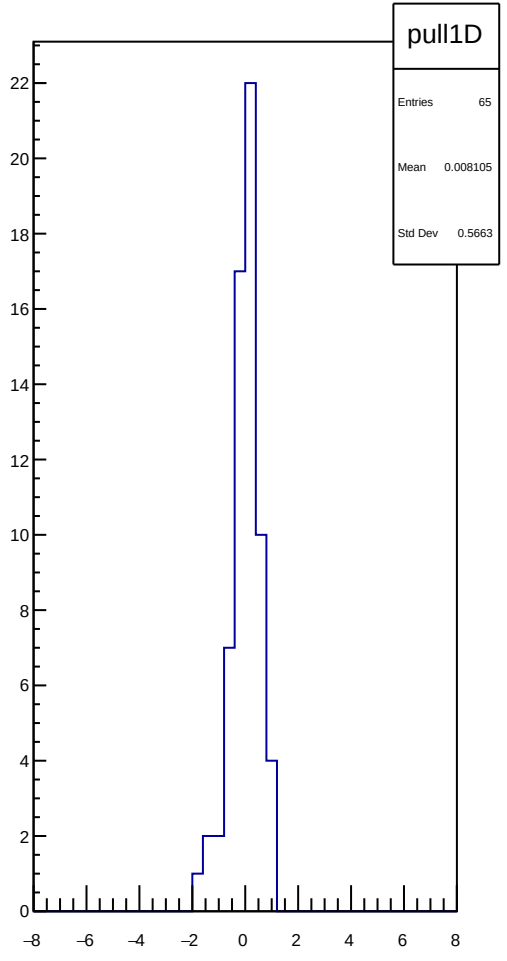

yield_atr1_rms vs run
×10⁻⁶
χ² / ndf 2841 / 64
p0 6.927e−05 ± 6.046e−08
85
80
75
70
65

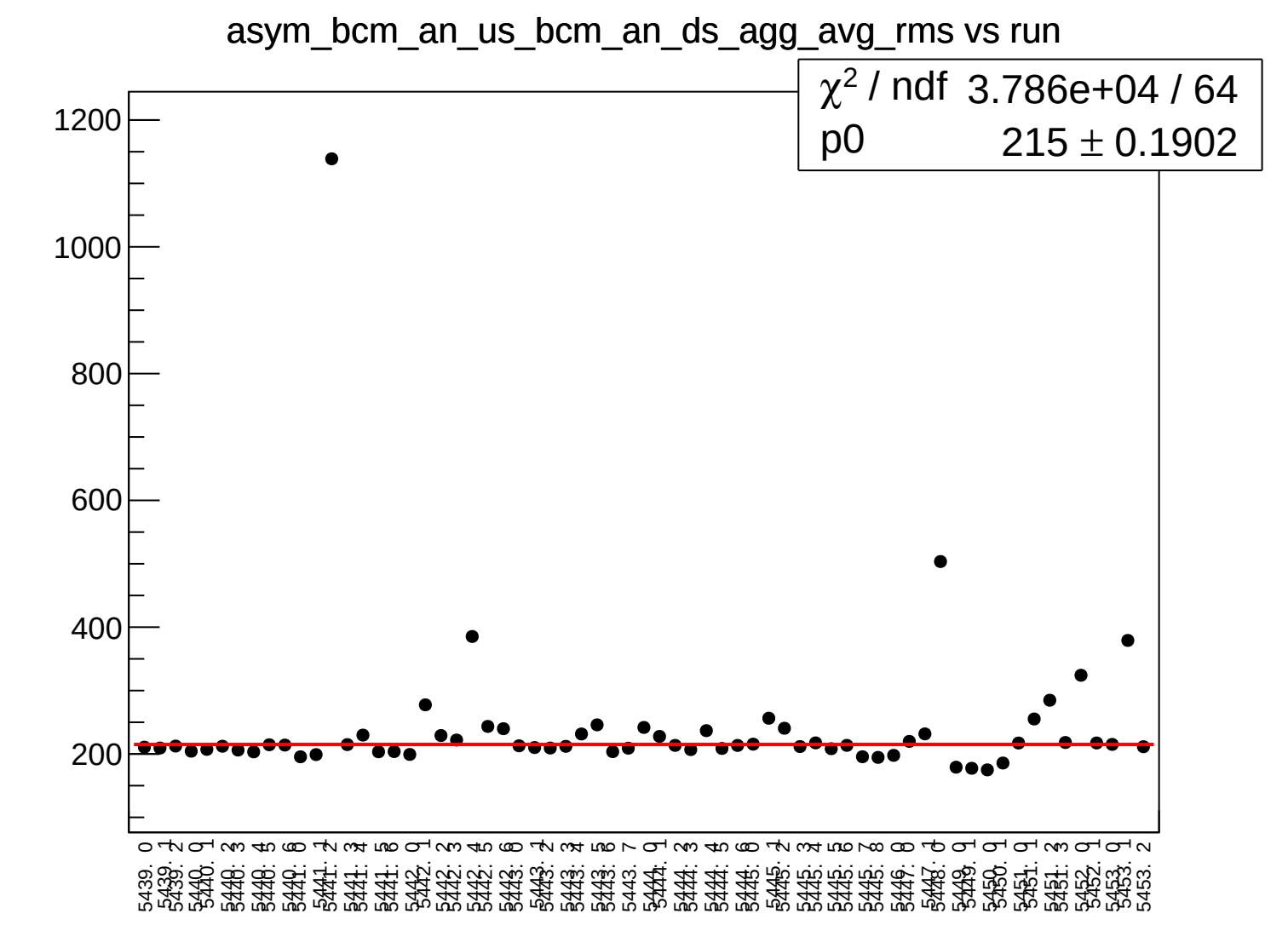

yield_atr2_mean vs run
χ² / ndf 2.808e+05 / 64
p0 0.01372 ± 2.442e−07
0.014
0.0138
0.0136
0.0134
0.0132
0.013
pull
Entries 65
Mean 31.61
Std Dev 47.76
150
100
50
0
−50
−100
−150
−200

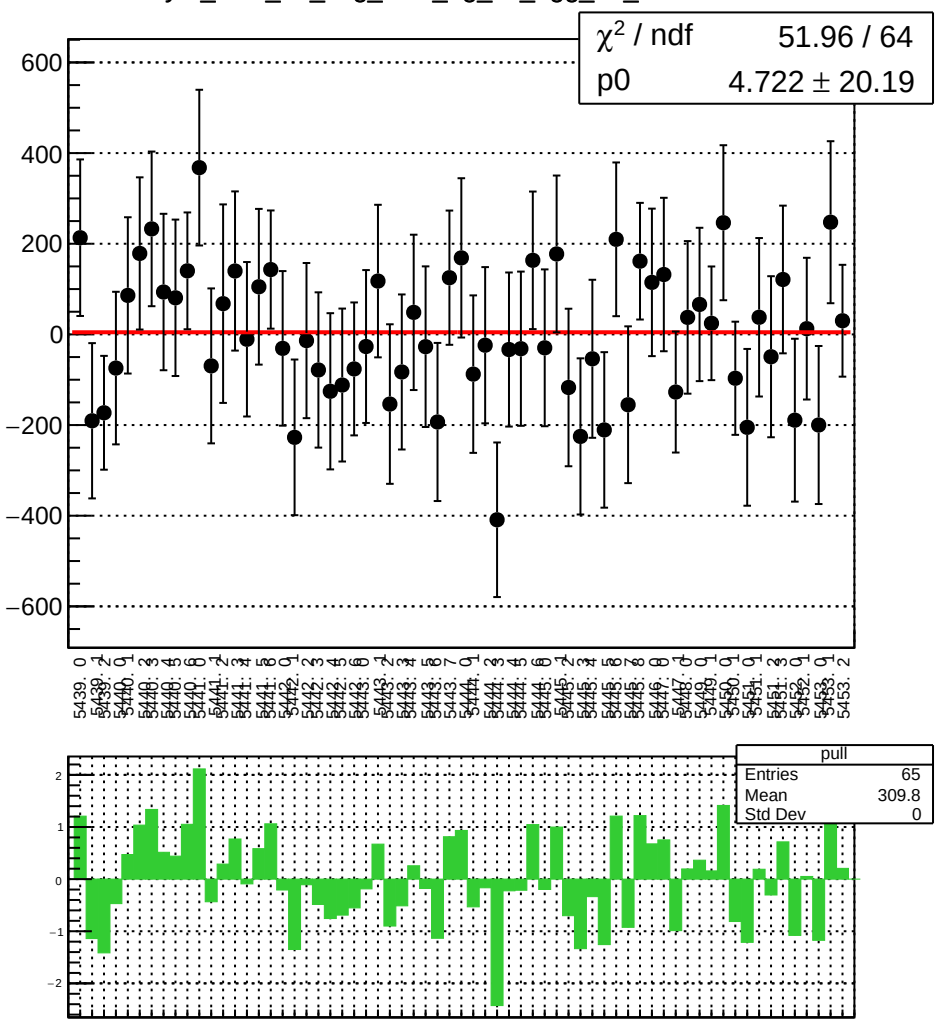

pull1D
Entries 65
Mean −2.033
Std Dev 4.511
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

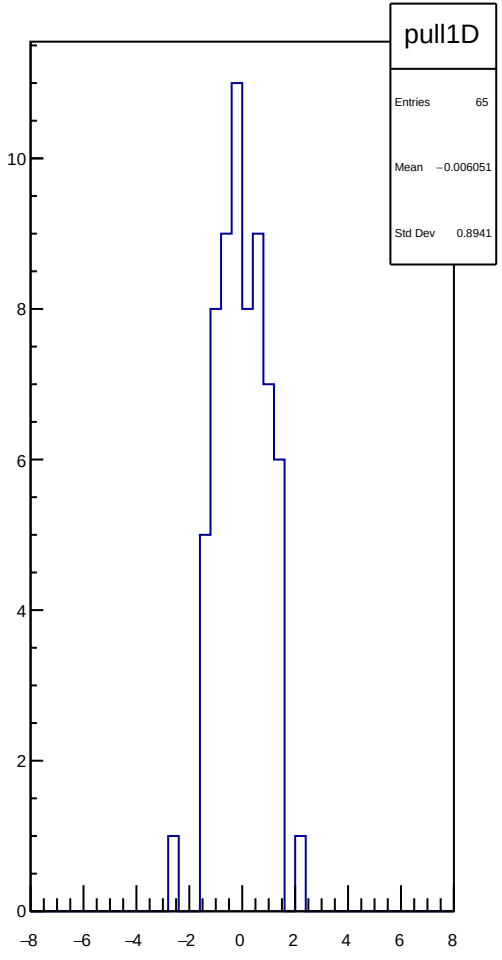

yield_atr2_rms vs run
×10⁻³
χ² / ndf 1.067e+05 / 64
p0 0.0001898 ± 1.726e−07
0.6
0.5
0.4
0.3
0.2
0.1

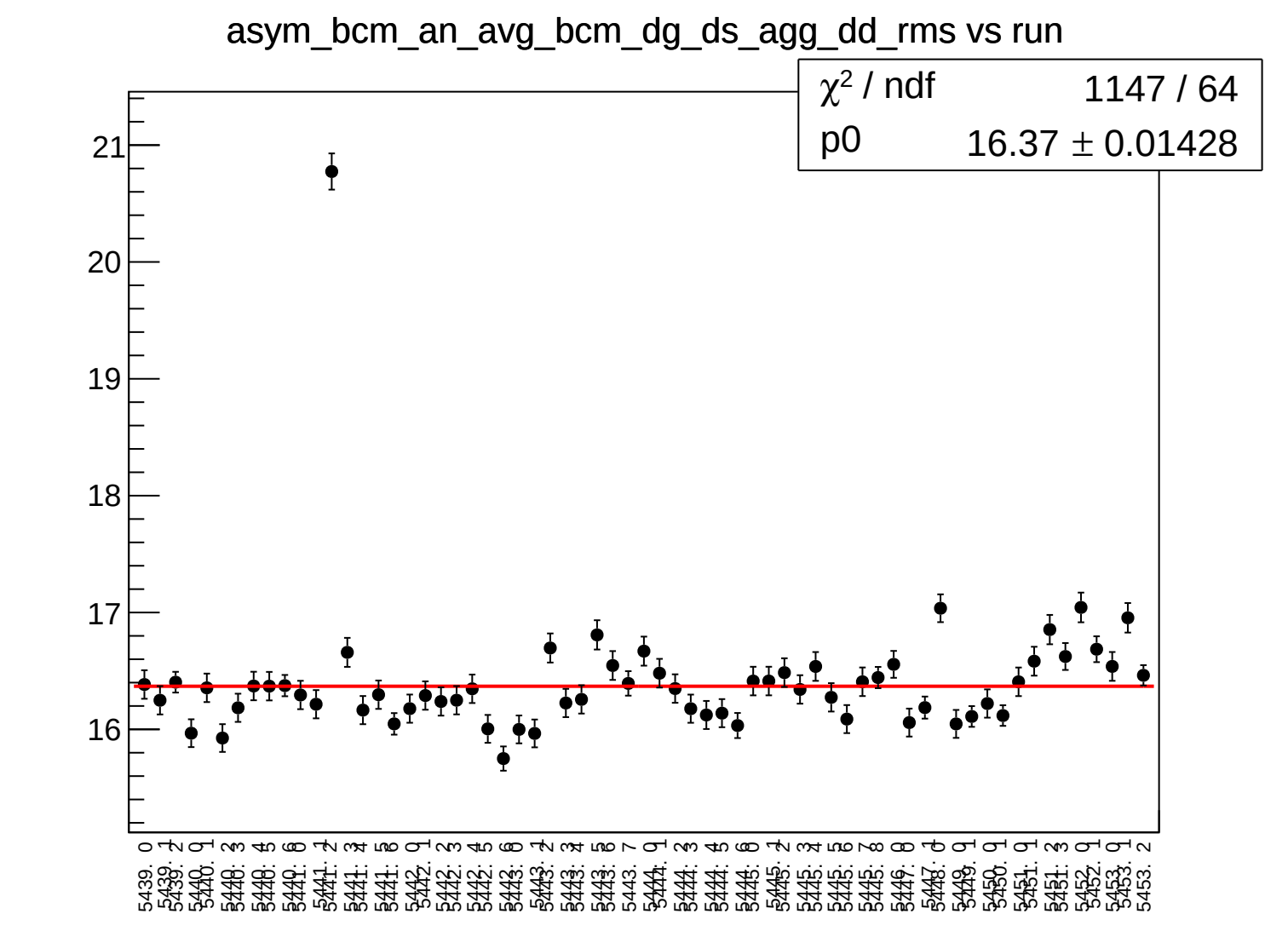

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 20.85 / 64
p0 −241.3 ± 269
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 131.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

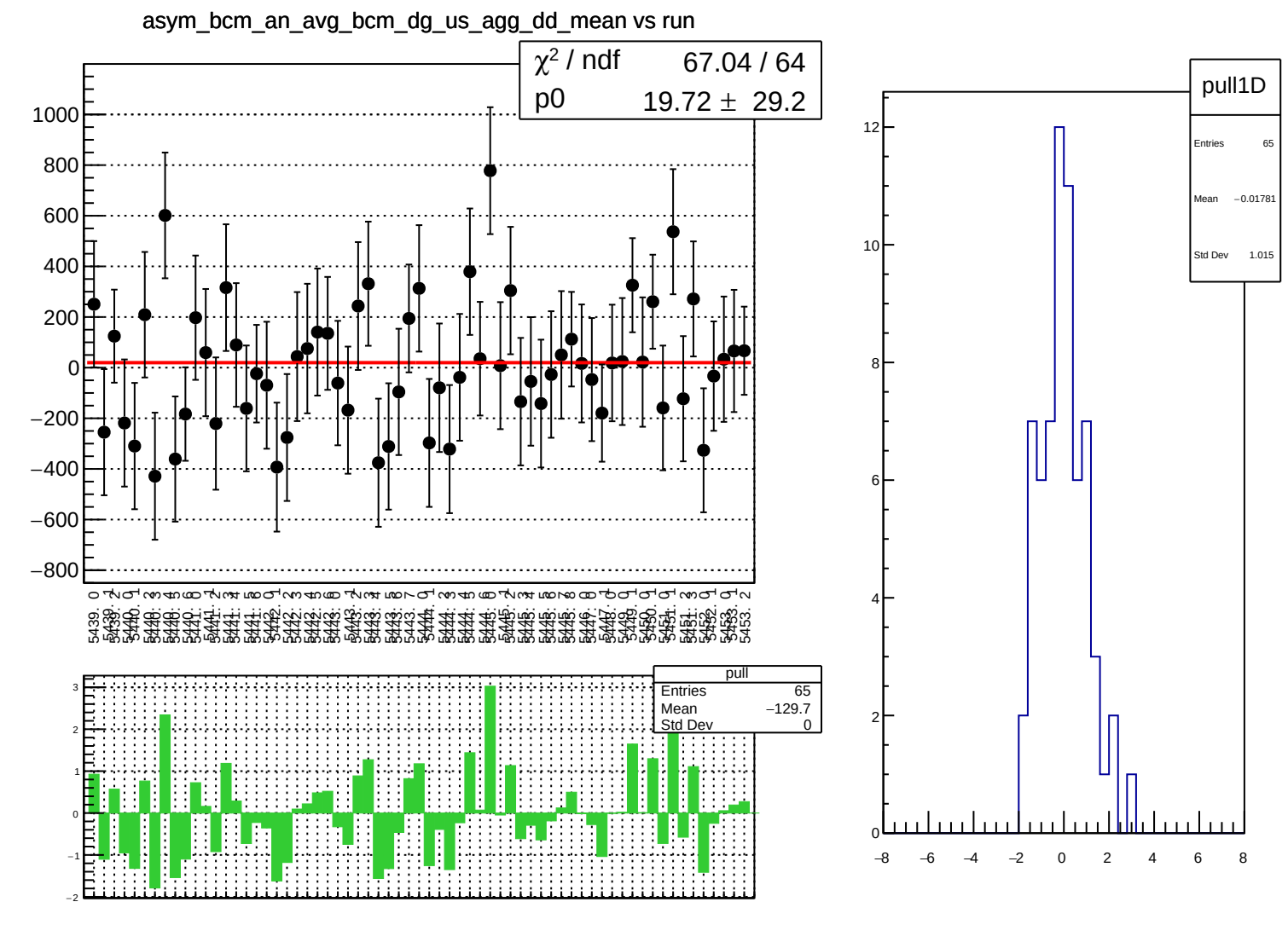

pull1D
Entries 65
Mean 0.008105
Std Dev 0.5663
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

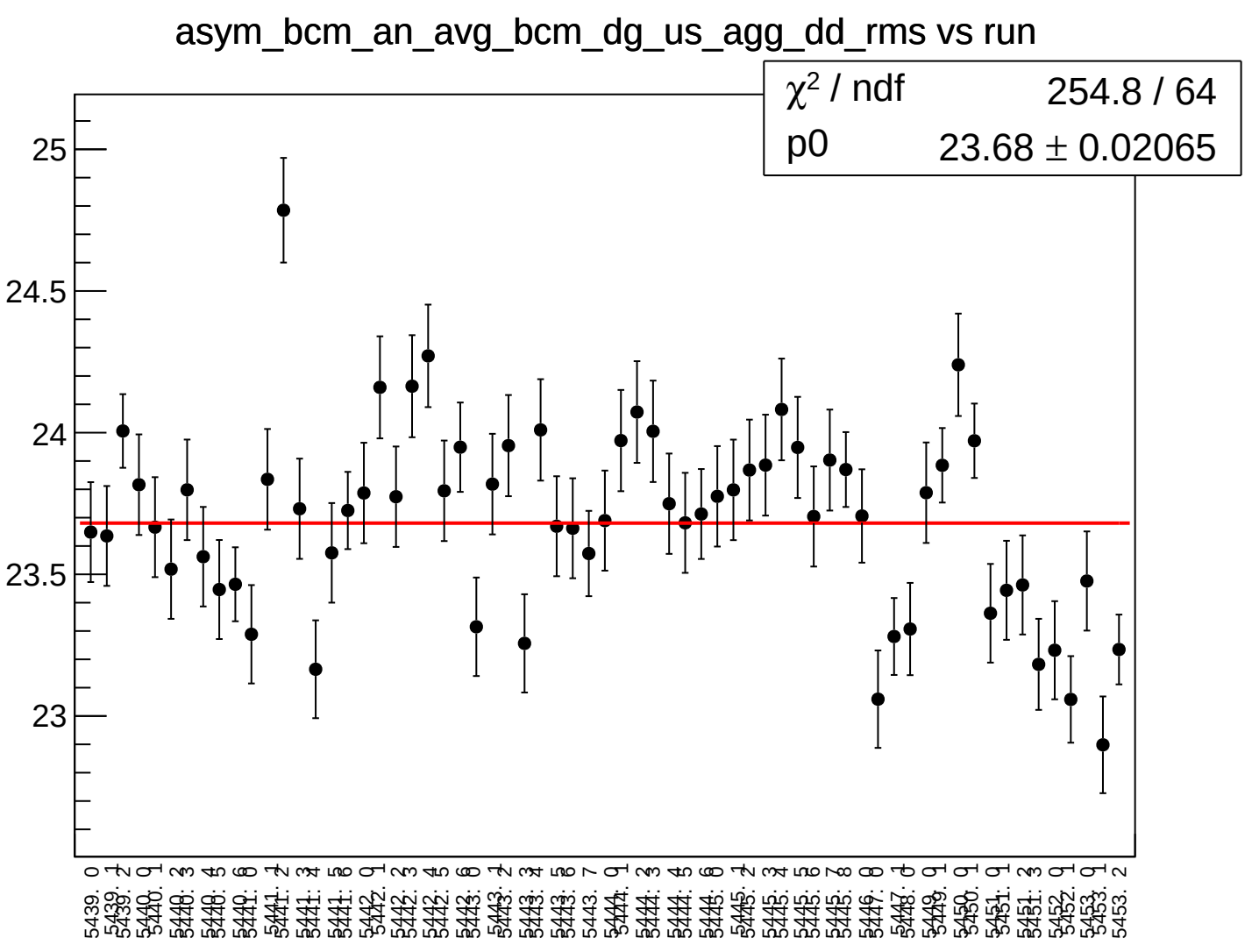

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.786e+04 / 64
p0 215 ± 0.1902
1200
1000
800
600
400
200

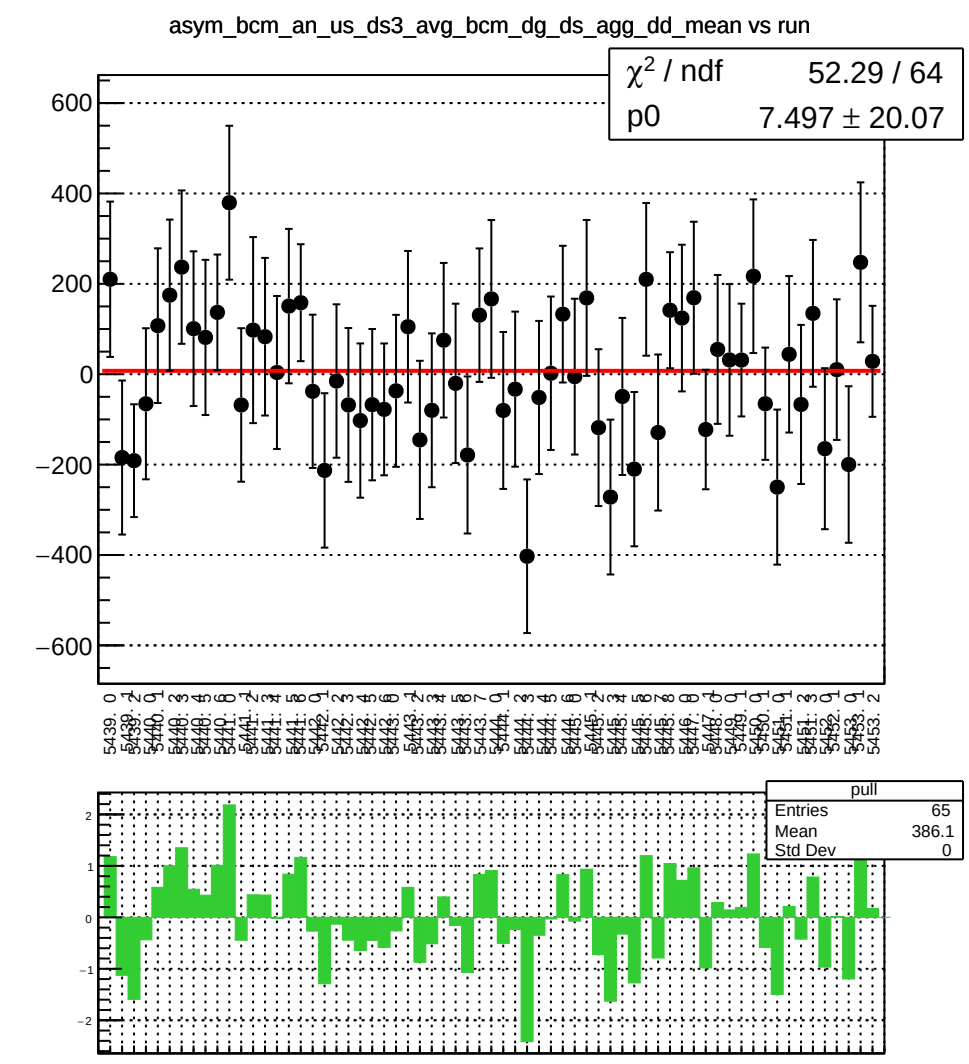

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 51.96 / 64
p0 4.722 ± 20.19
pull
Entries 65
Mean 309.8
Std Dev 0

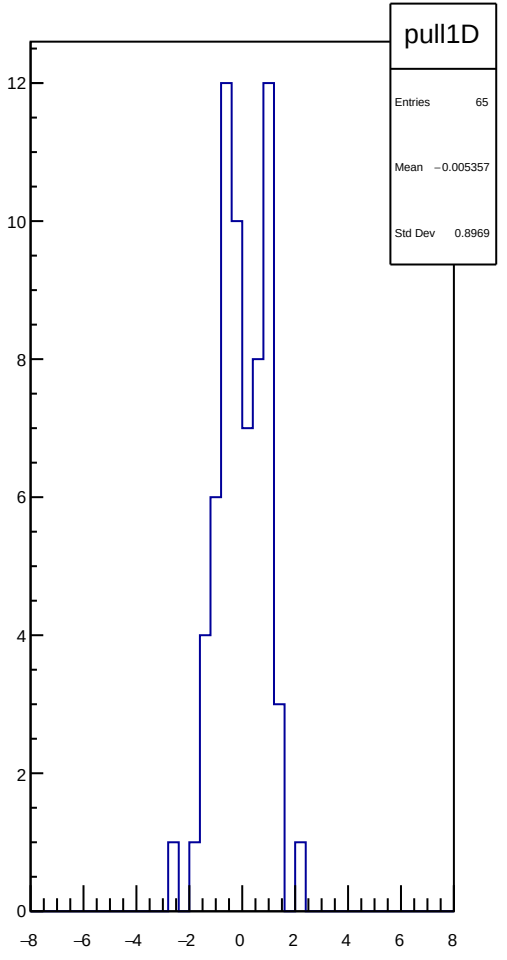

pull1D
Entries 65
Mean −0.006051
Std Dev 0.8941

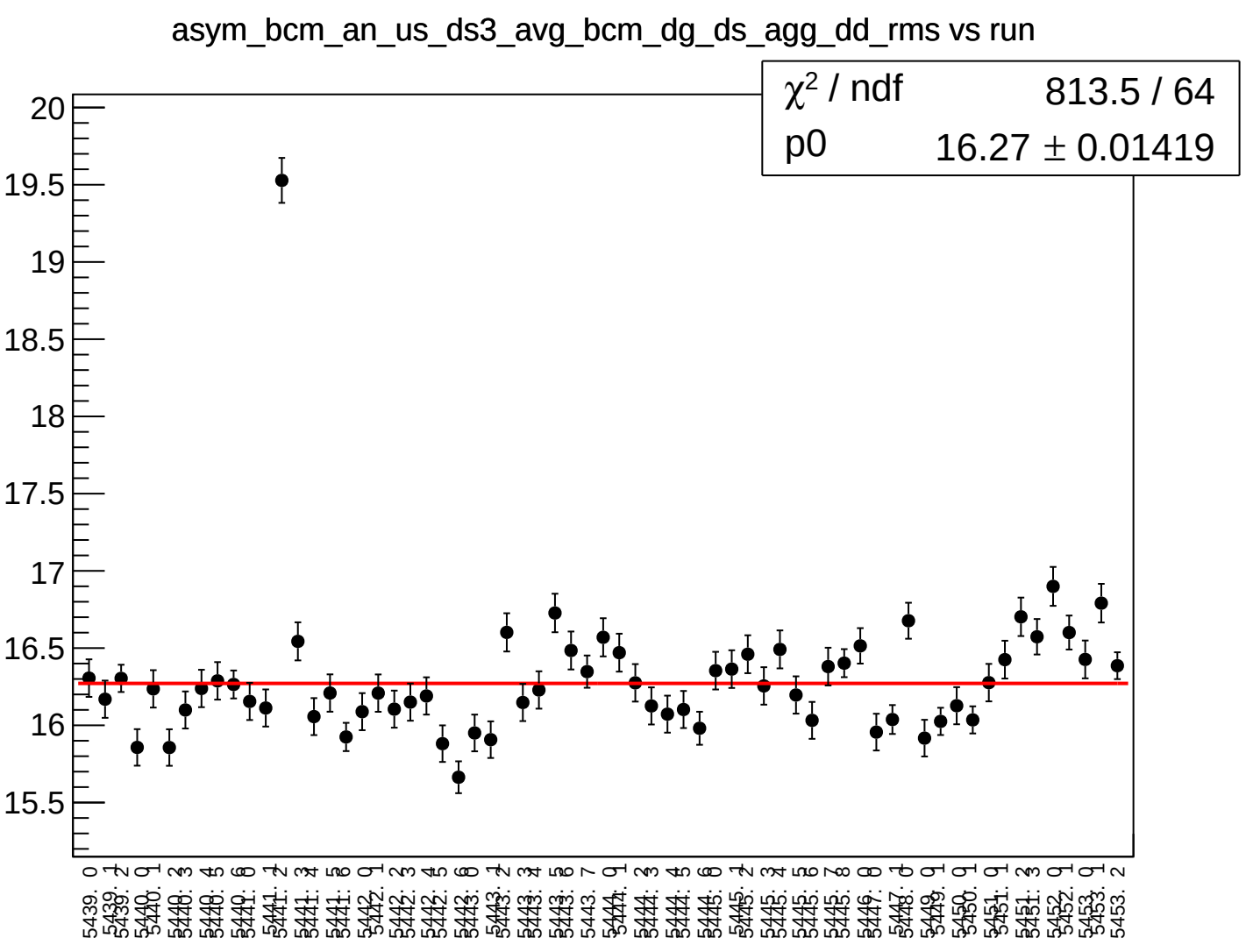

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1147 / 64
p0 16.37 ± 0.01428
21
20
19
18
17
16

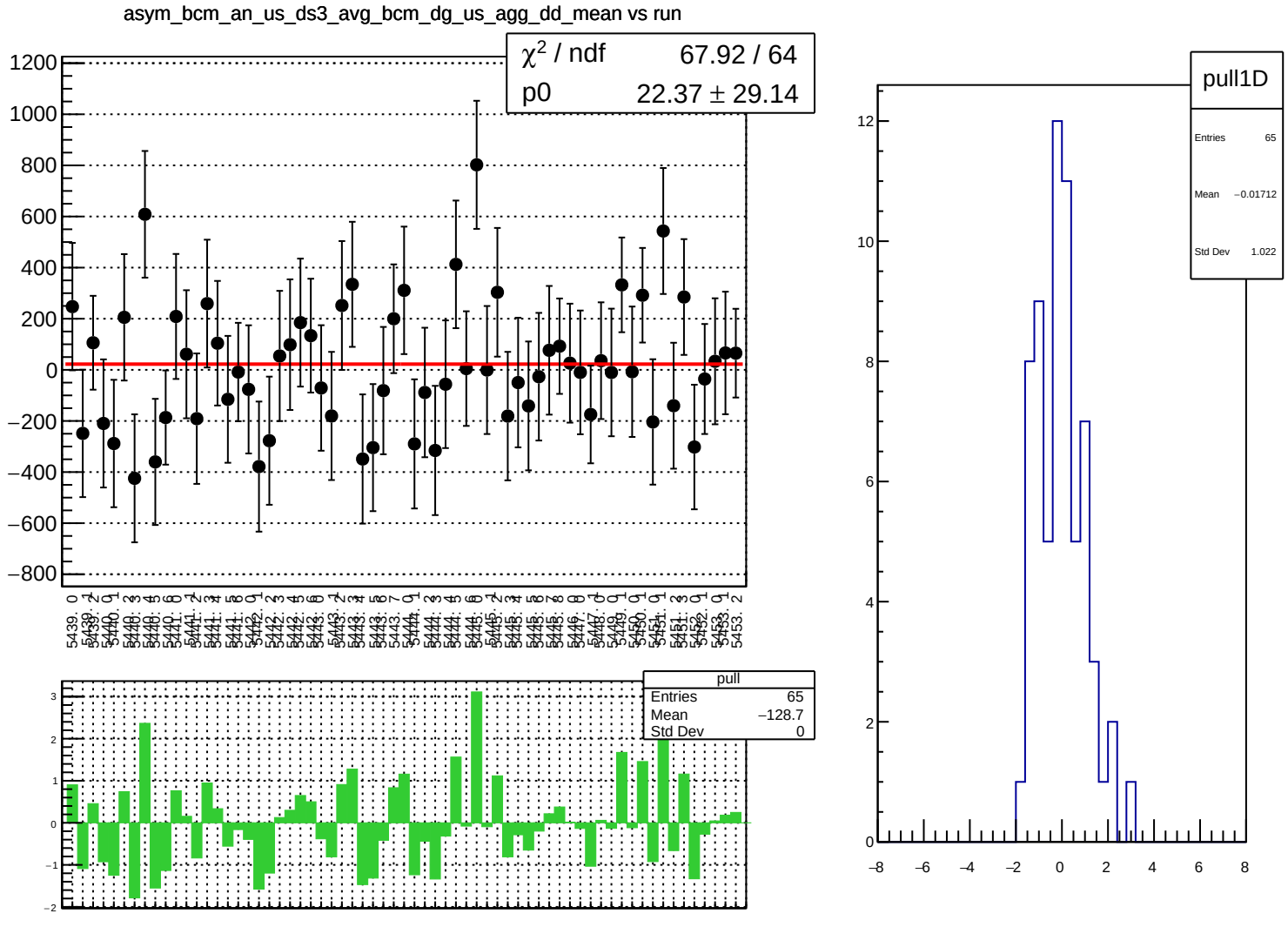

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 67.04 / 64
p0 19.72 ± 29.2
pull
Entries 65
Mean −129.7
Std Dev 0
pull1D
Entries 65
Mean −0.01781
Std Dev 1.015

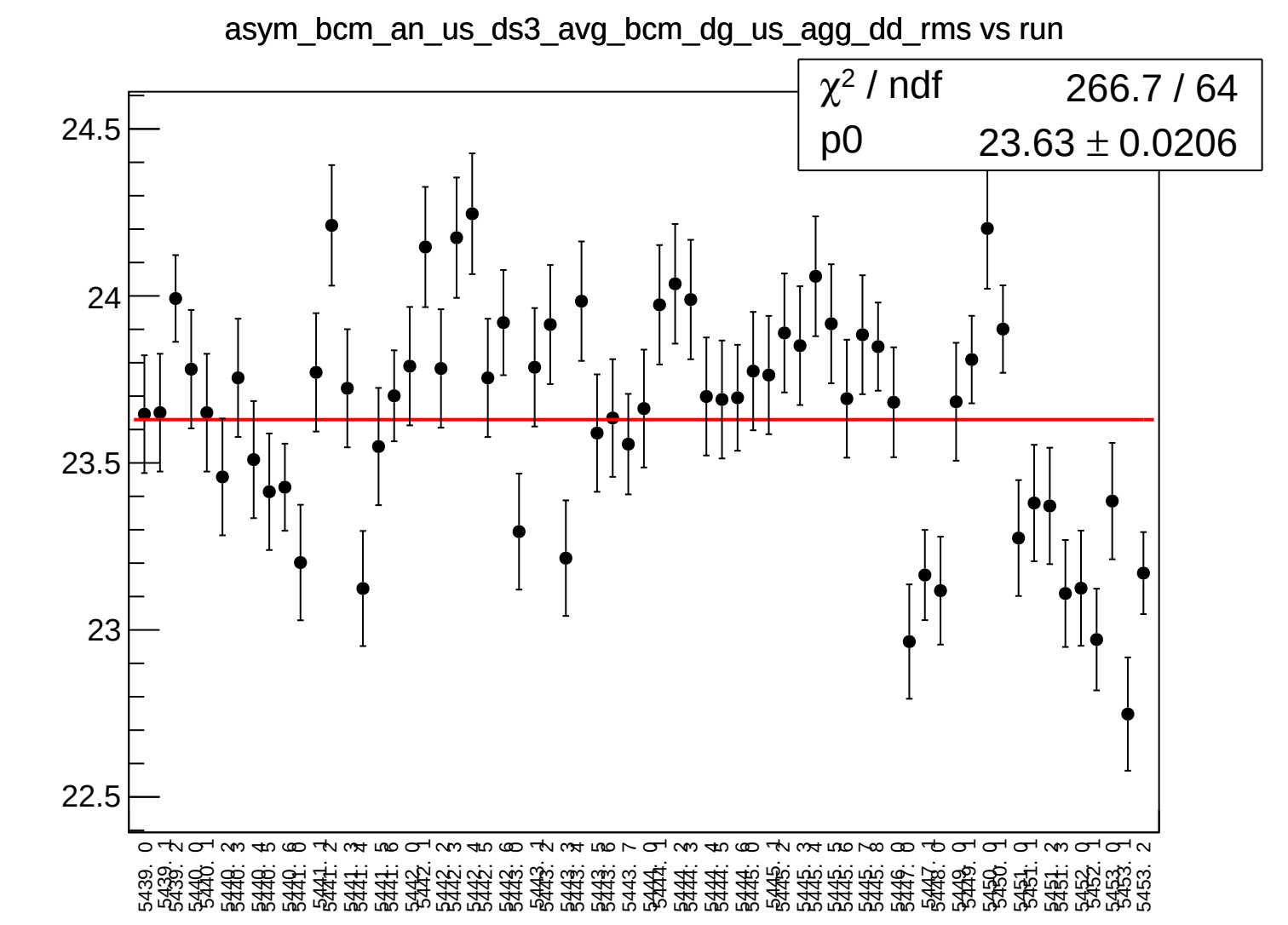

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 254.8 / 64
p0 23.68 ± 0.02065
25
24.5
24
23.5
23

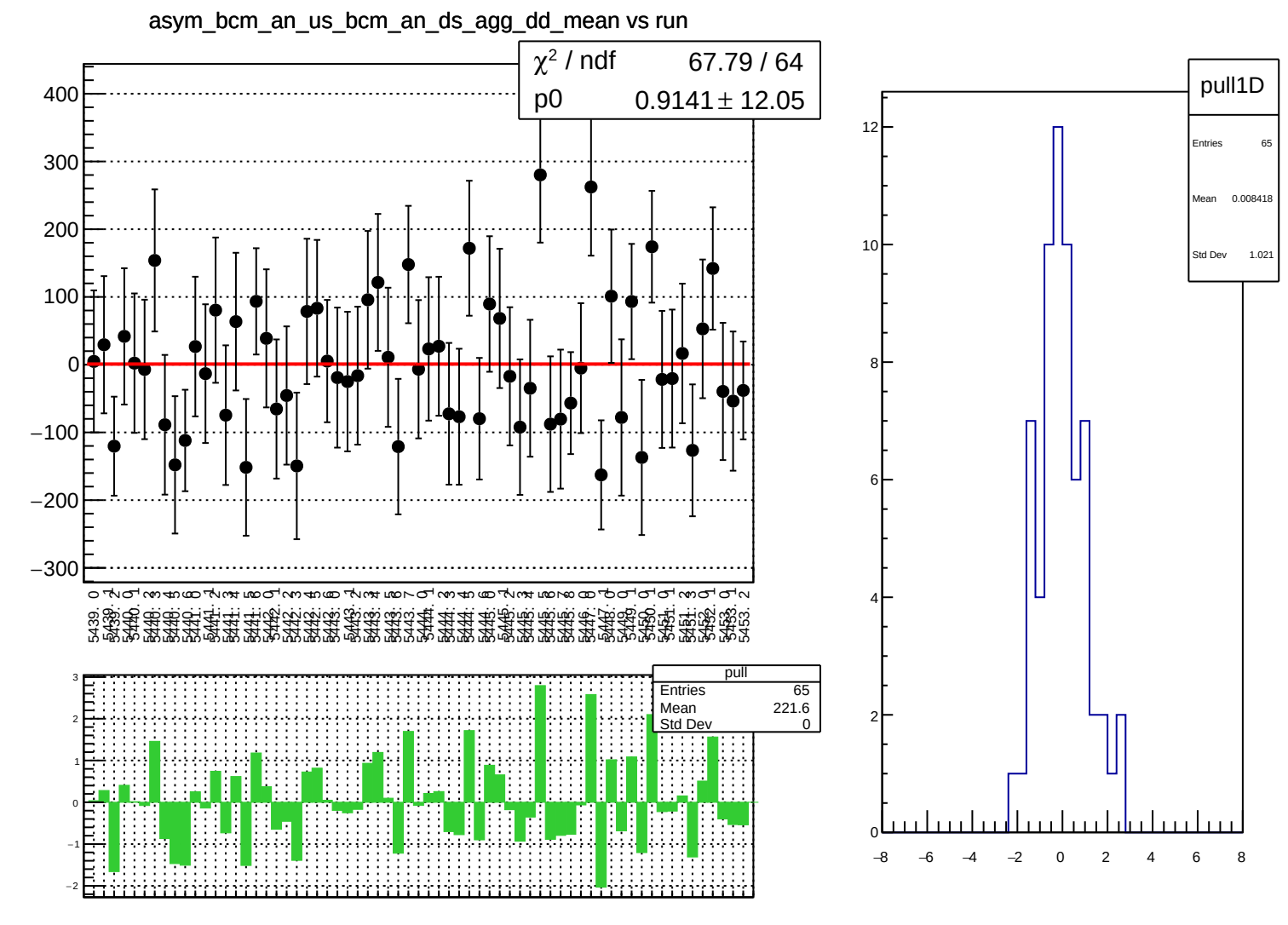

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 52.29 / 64
p0 7.497 ± 20.07
pull
Entries 65
Mean 386.1
Std Dev 0

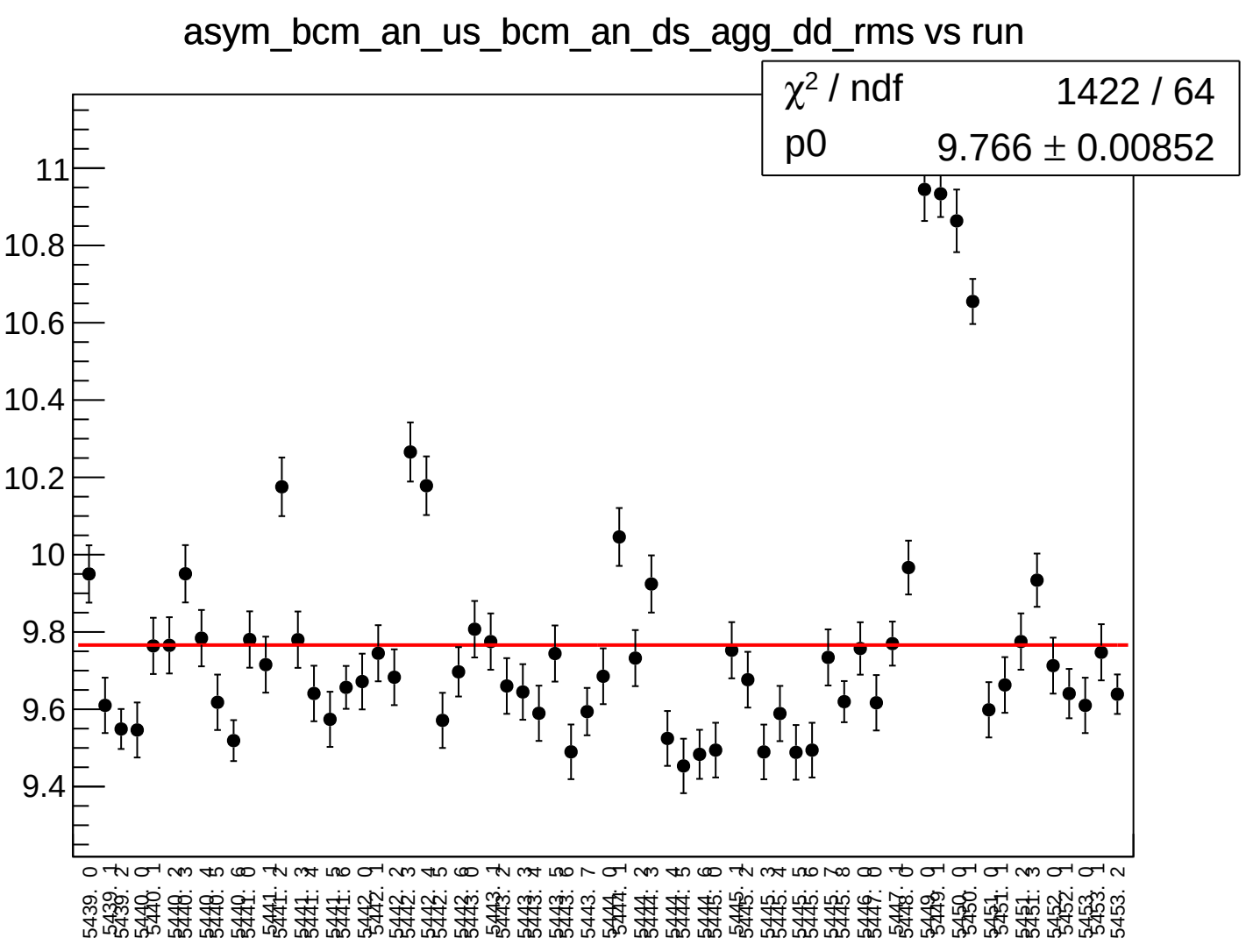

pull1D
Entries 65
Mean −0.005357
Std Dev 0.8969

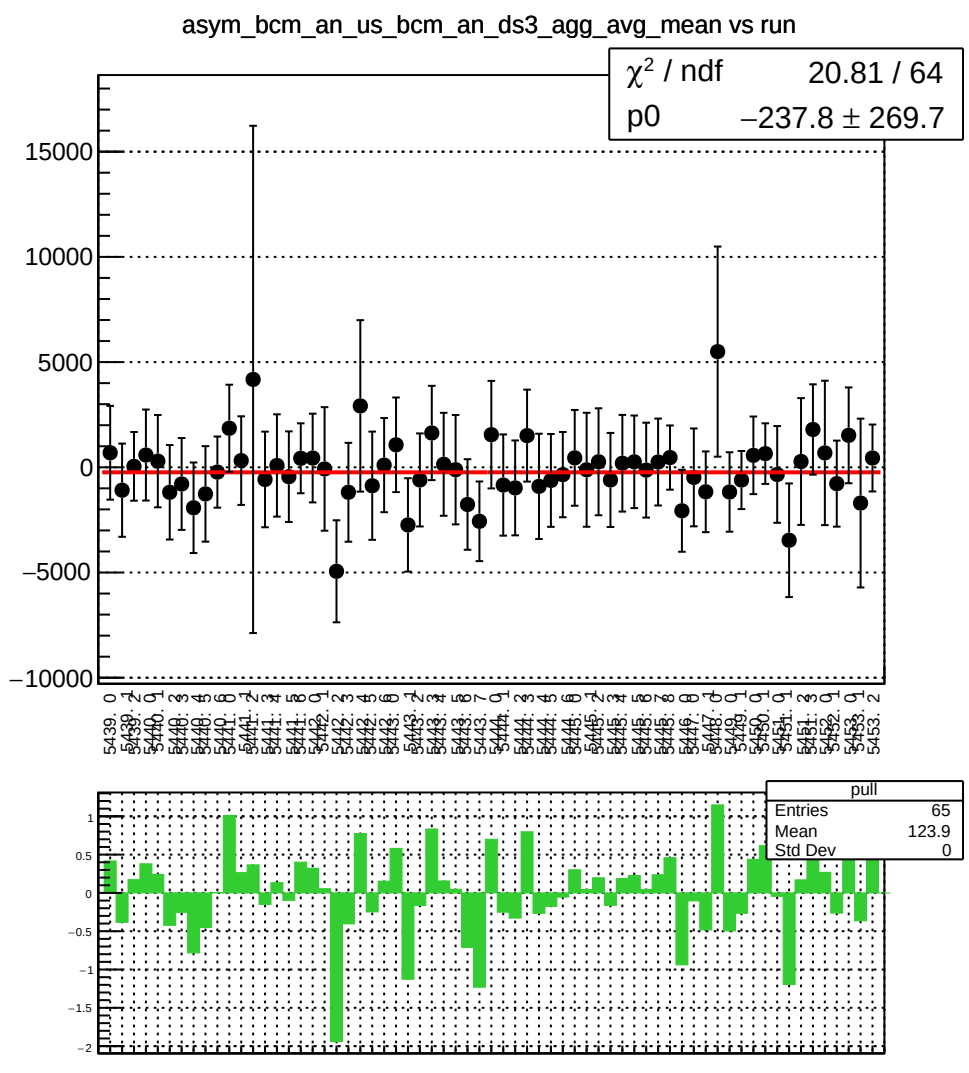

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 813.5 / 64
p0 16.27 ± 0.01419
20
19.5
19
18.5
18
17.5
17
16.5
16
15.5

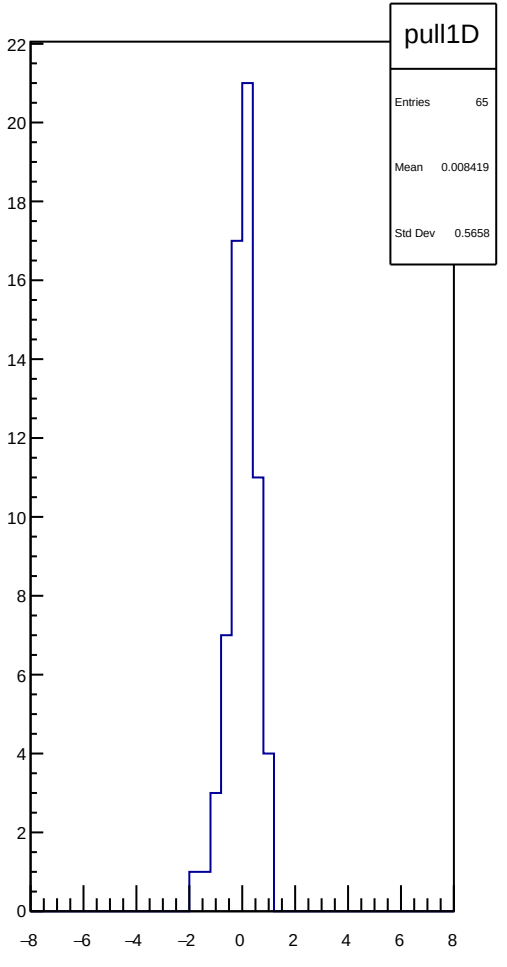

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 67.92 / 64
p0 22.37 ± 29.14
pull
Entries 65
Mean −128.7
Std Dev 0
pull1D
Entries 65
Mean −0.01712
Std Dev 1.022

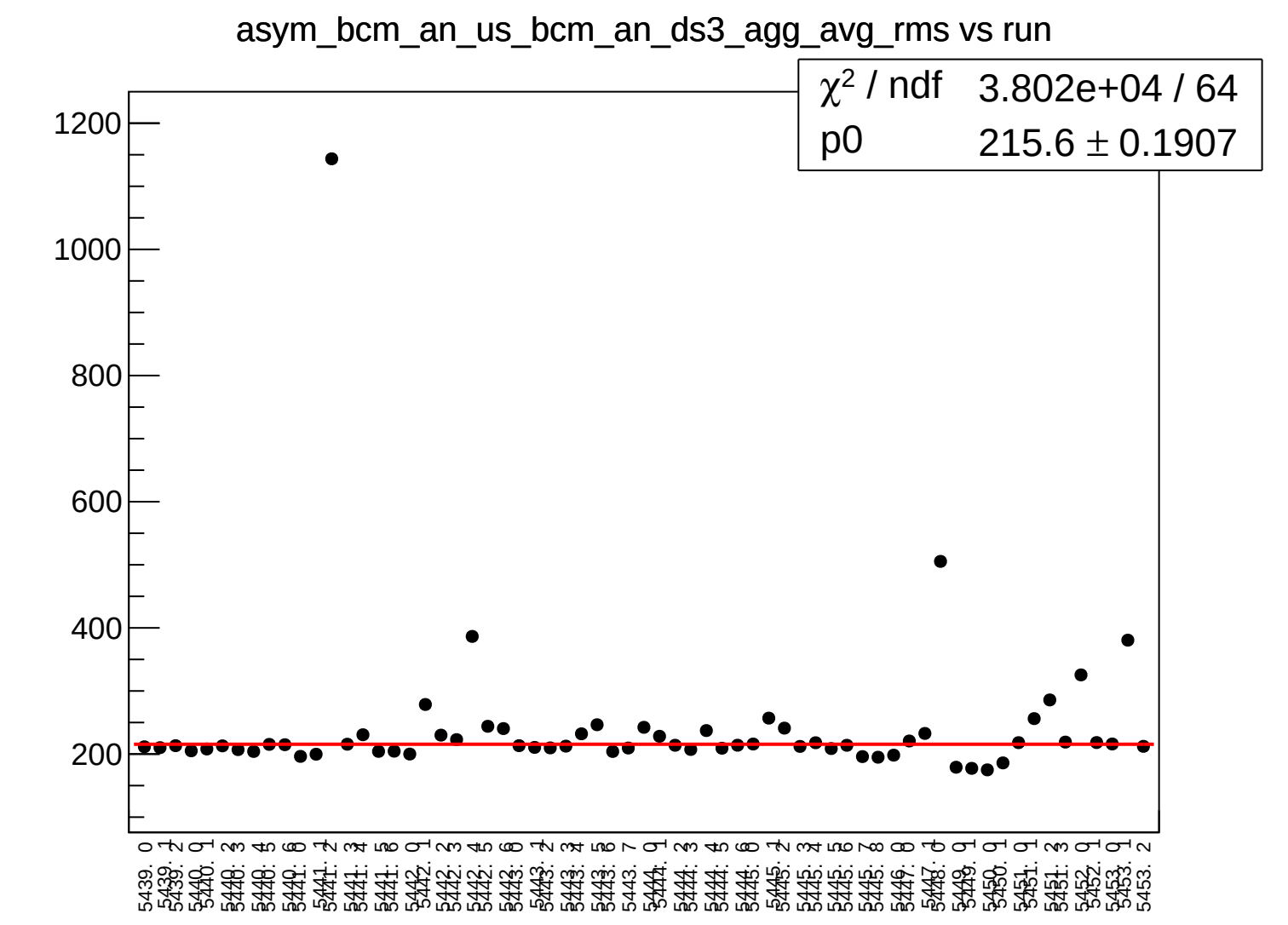

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 266.7 / 64
p0 23.63 ± 0.0206
24.5
24
23.5
23
22.5

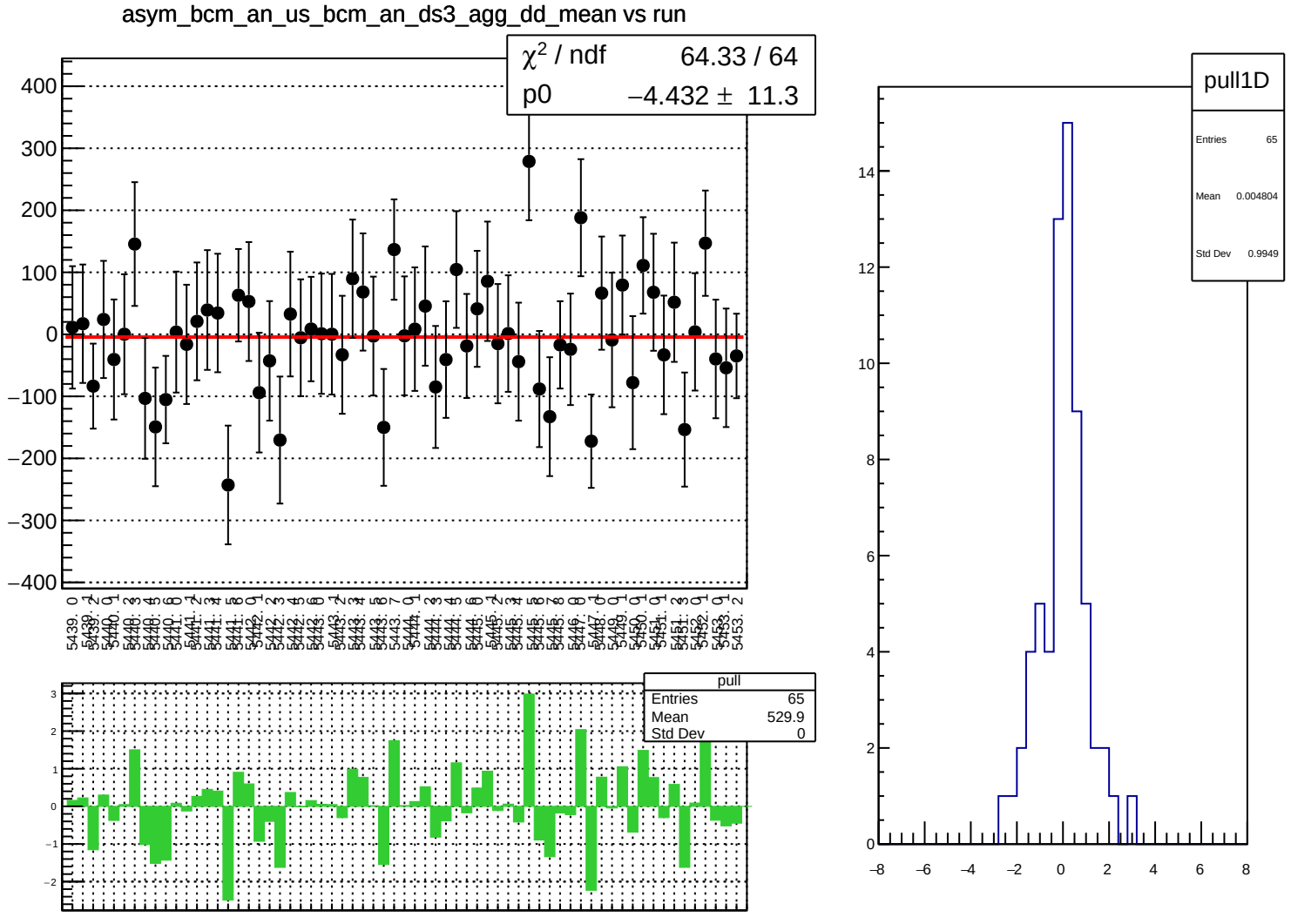

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 67.79 / 64
p0 0.9141 ± 12.05
pull
Entries 65
Mean 221.6
Std Dev 0
pull1D
Entries 65
Mean 0.008418
Std Dev 1.021

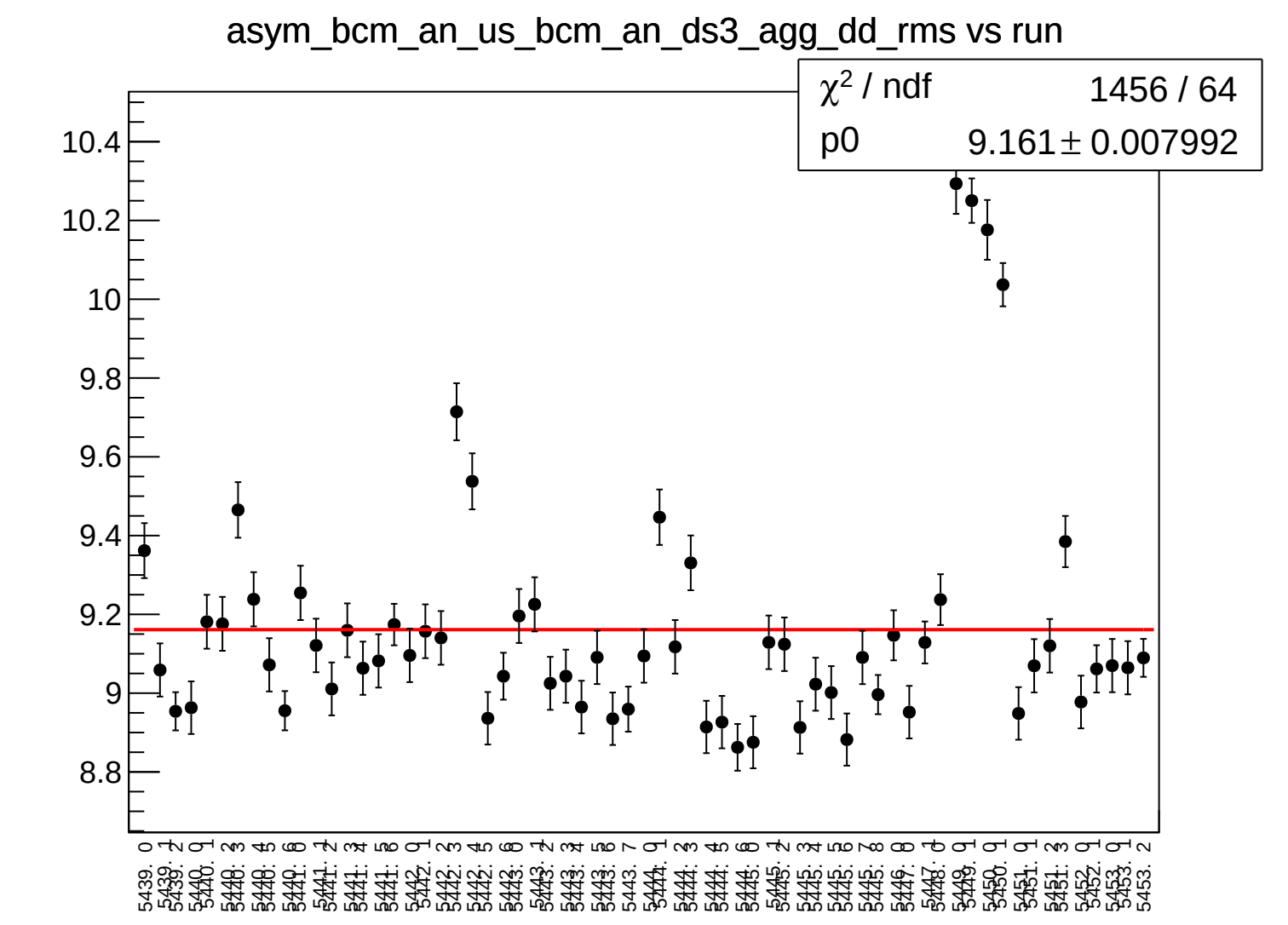

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1422 / 64
p0 9.766 ± 0.00852
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4

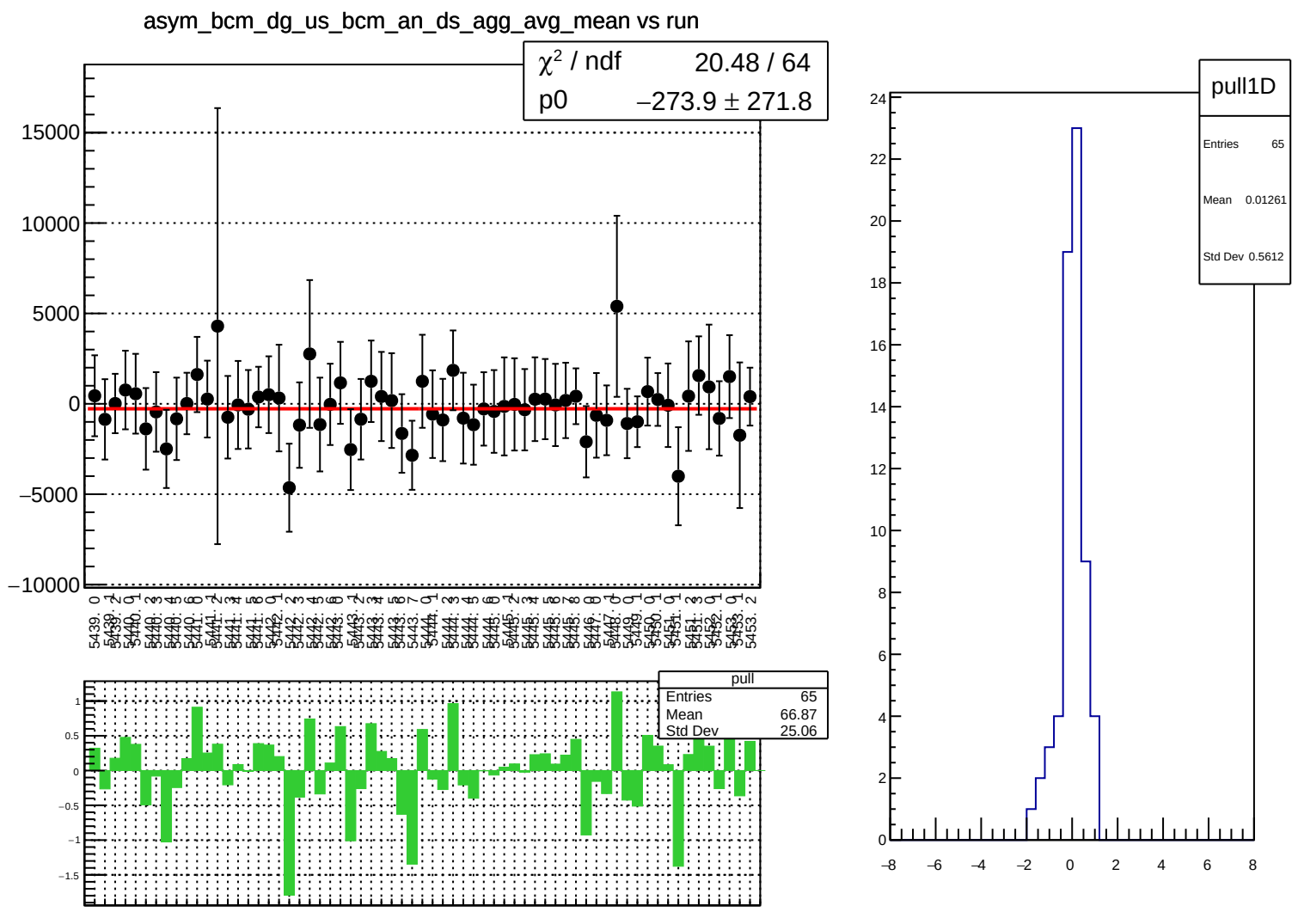

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 20.81 / 64
p0 −237.8 ± 269.7
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 123.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

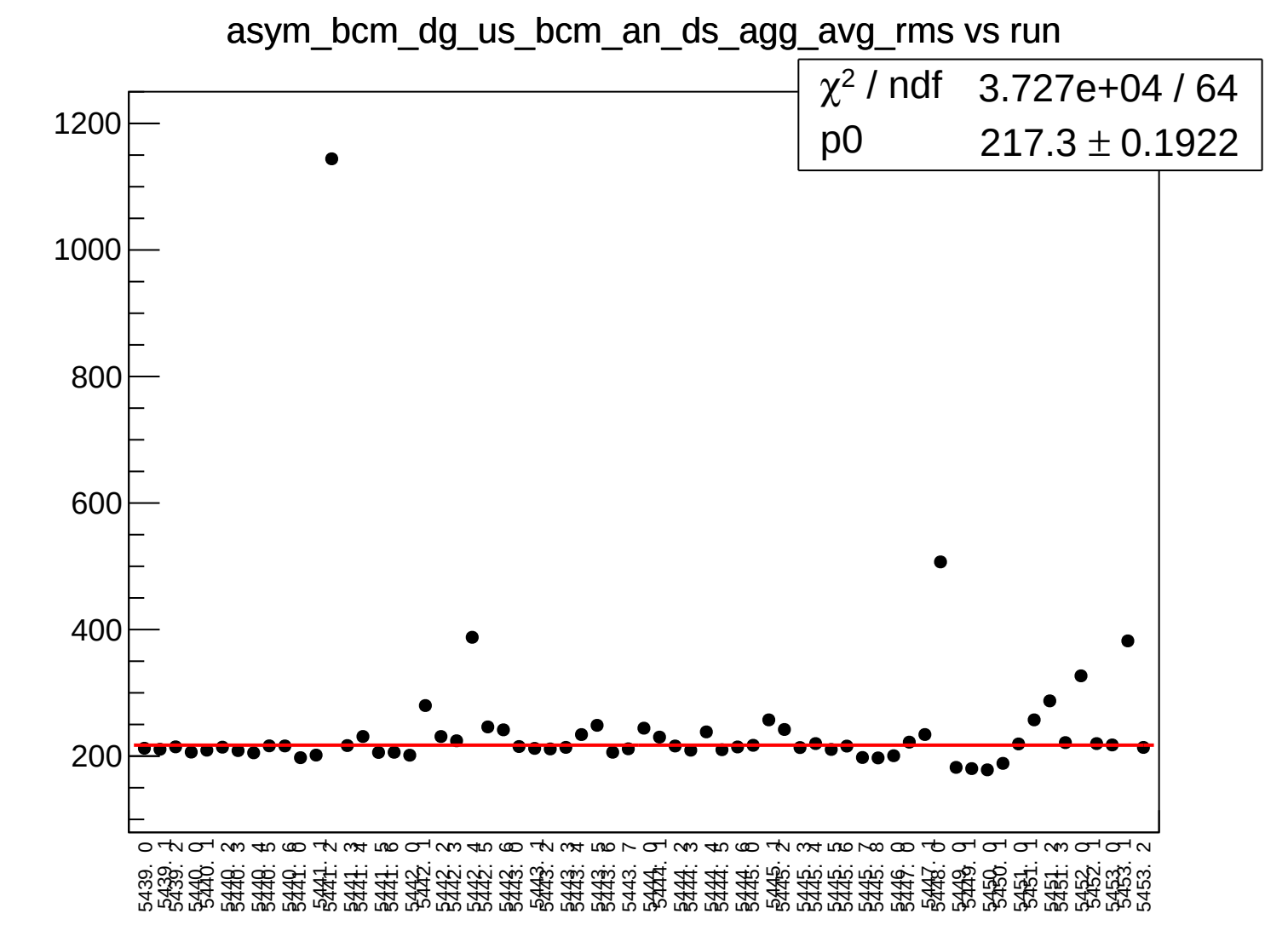

pull1D
Entries 65
Mean 0.008419
Std Dev 0.5658
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

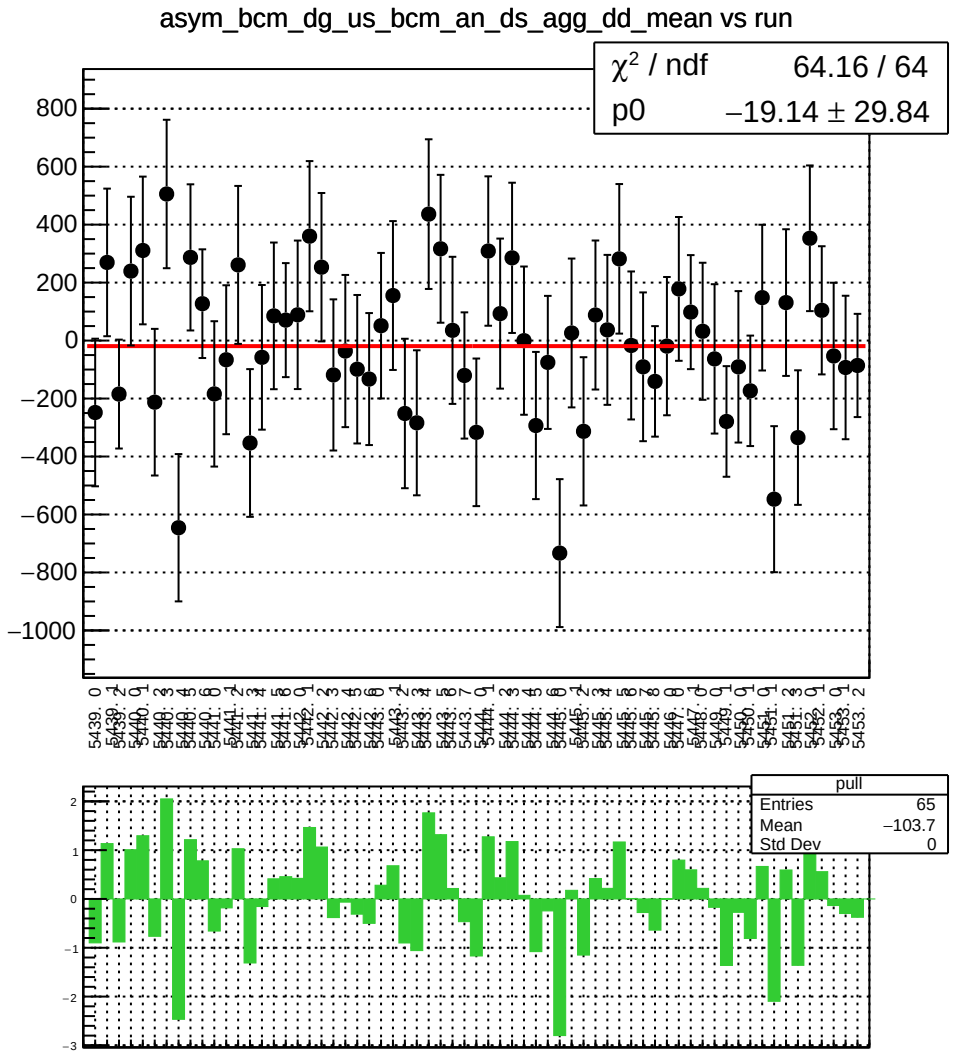

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.802e+04 / 64
p0 215.6 ± 0.1907
1200
1000
800
600
400
200

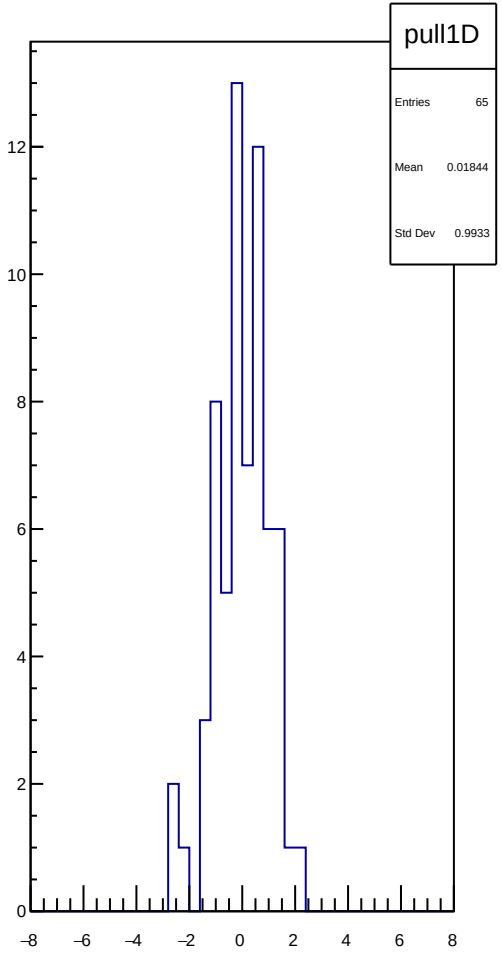

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 64.33 / 64
p0 −4.432 ± 11.3
pull
Entries 65
Mean 529.9
Std Dev 0
pull1D
Entries 65
Mean 0.004804
Std Dev 0.9949

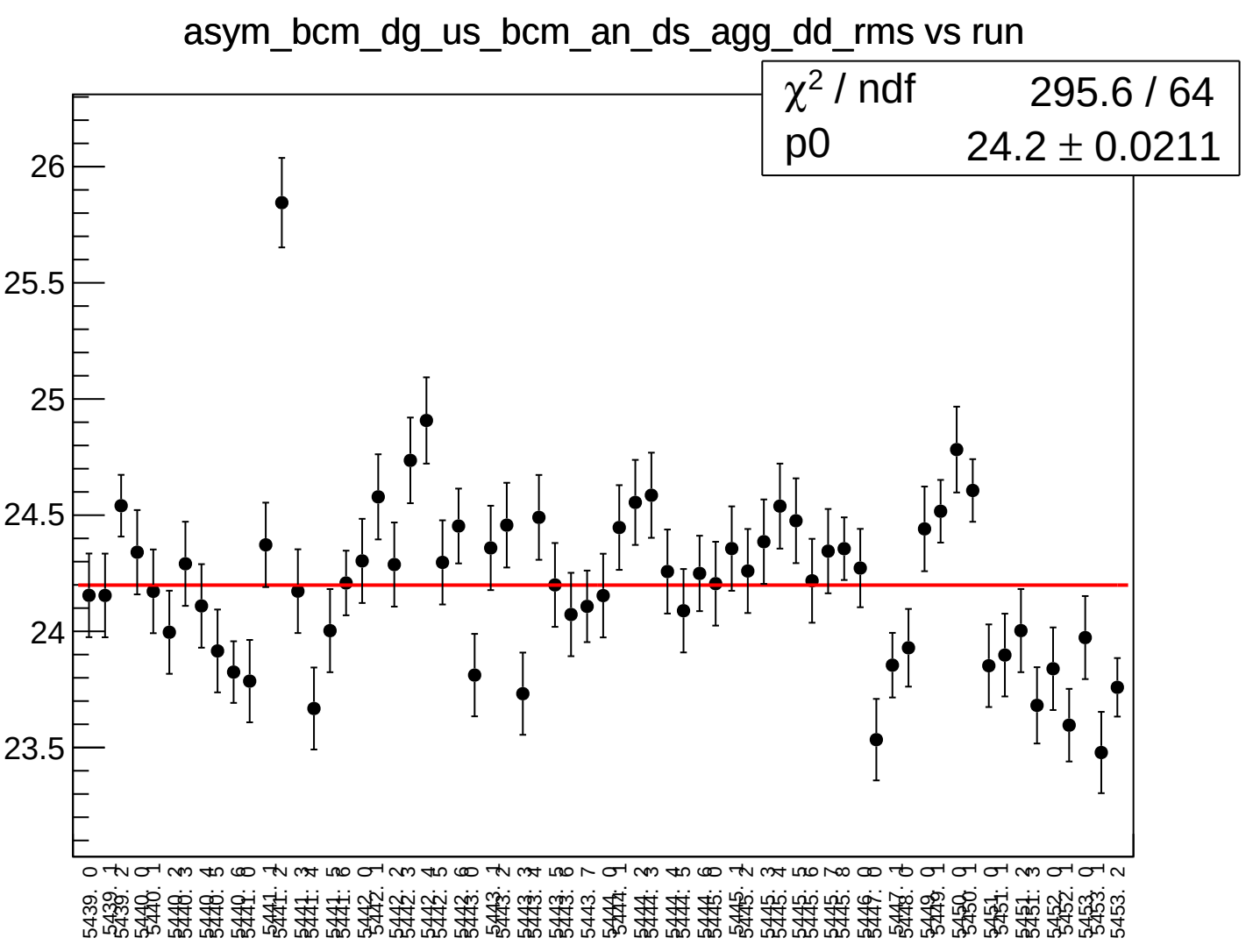

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1456 / 64
p0 9.161 ± 0.007992
10.4
10.2
10
9.8
9.6
9.4
9.2
9
8.8

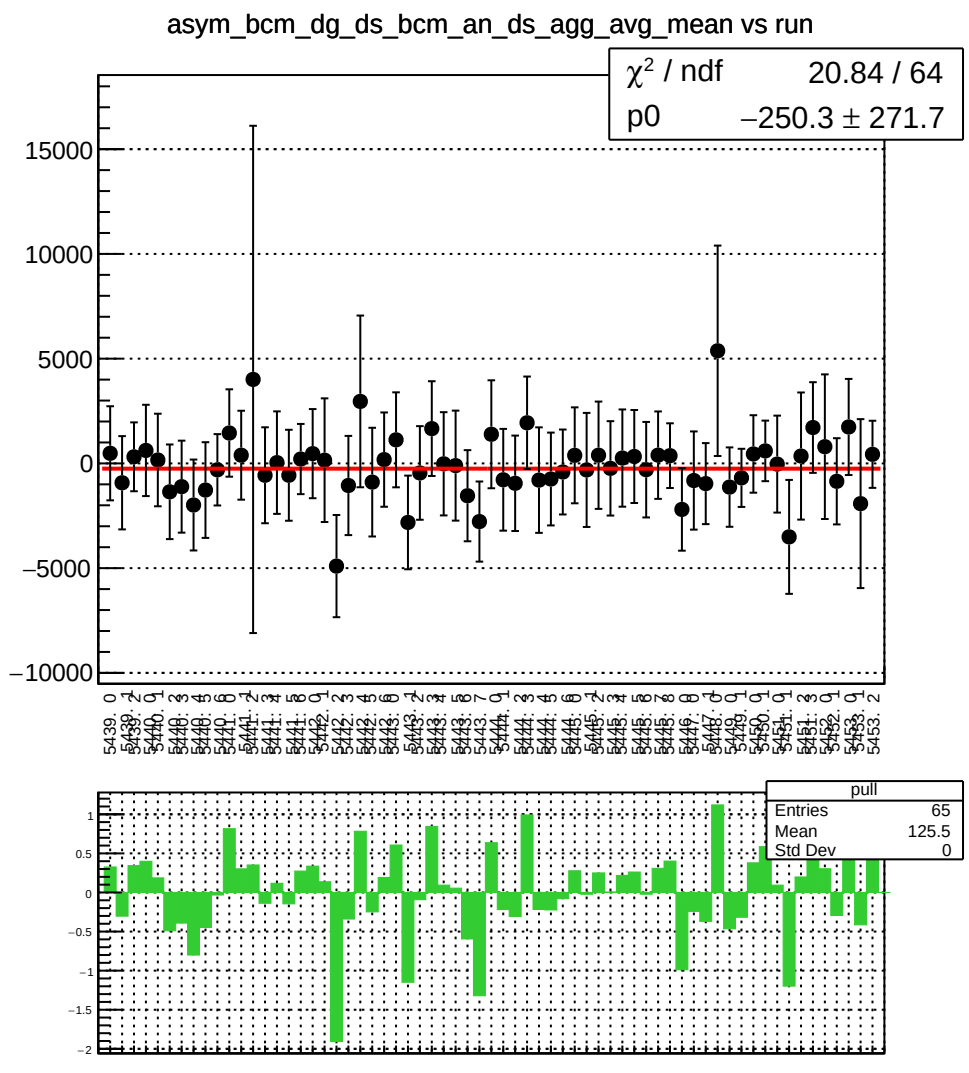

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 20.48 / 64
p0 −273.9 ± 271.8
pull
Entries 65
Mean 66.87
Std Dev 25.06
pull1D
Entries 65
Mean 0.01261
Std Dev 0.5612

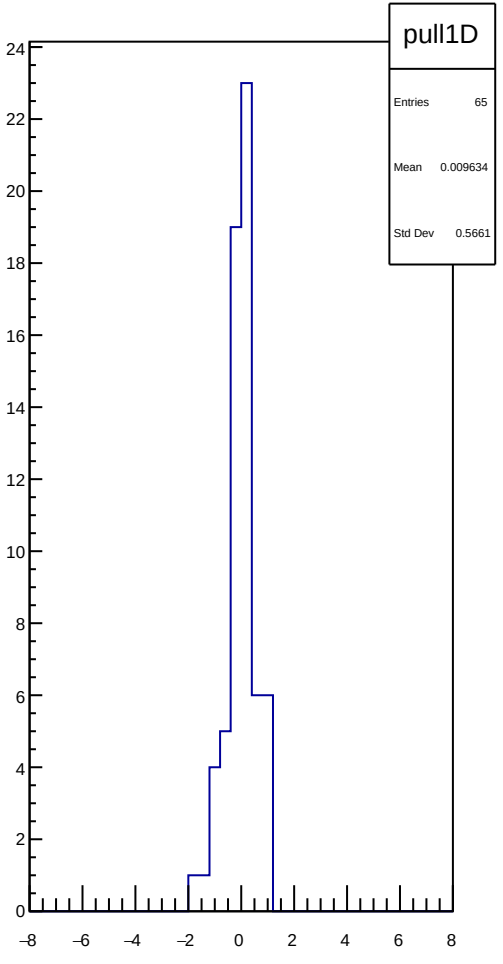

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.727e+04 / 64
p0 217.3 ± 0.1922
1200
1000
800
600
400
200

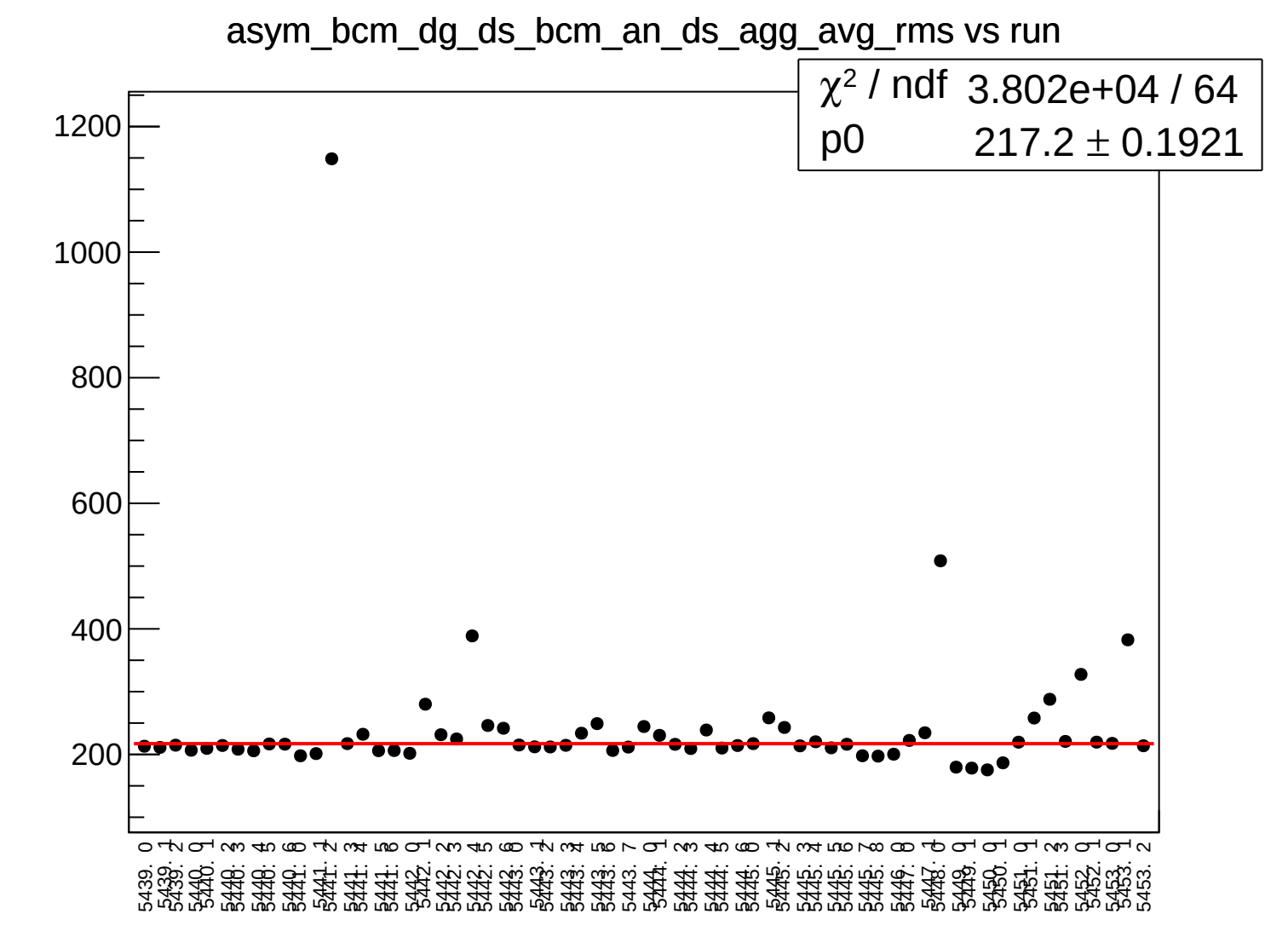

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 64.16 / 64
p0 −19.14 ± 29.84
pull
Entries 65
Mean −103.7
Std Dev 0

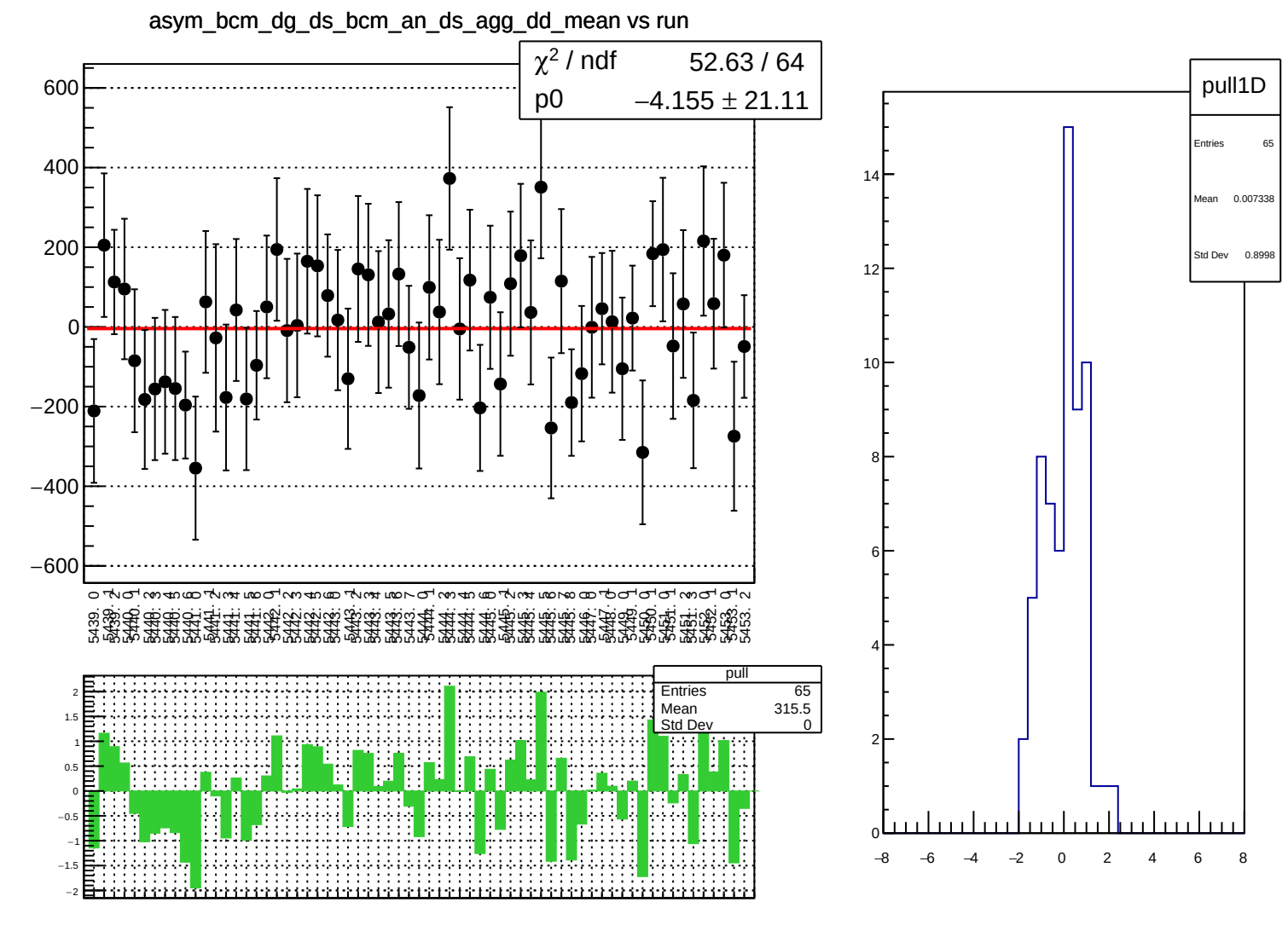

pull1D
Entries 65
Mean 0.01844
Std Dev 0.9933

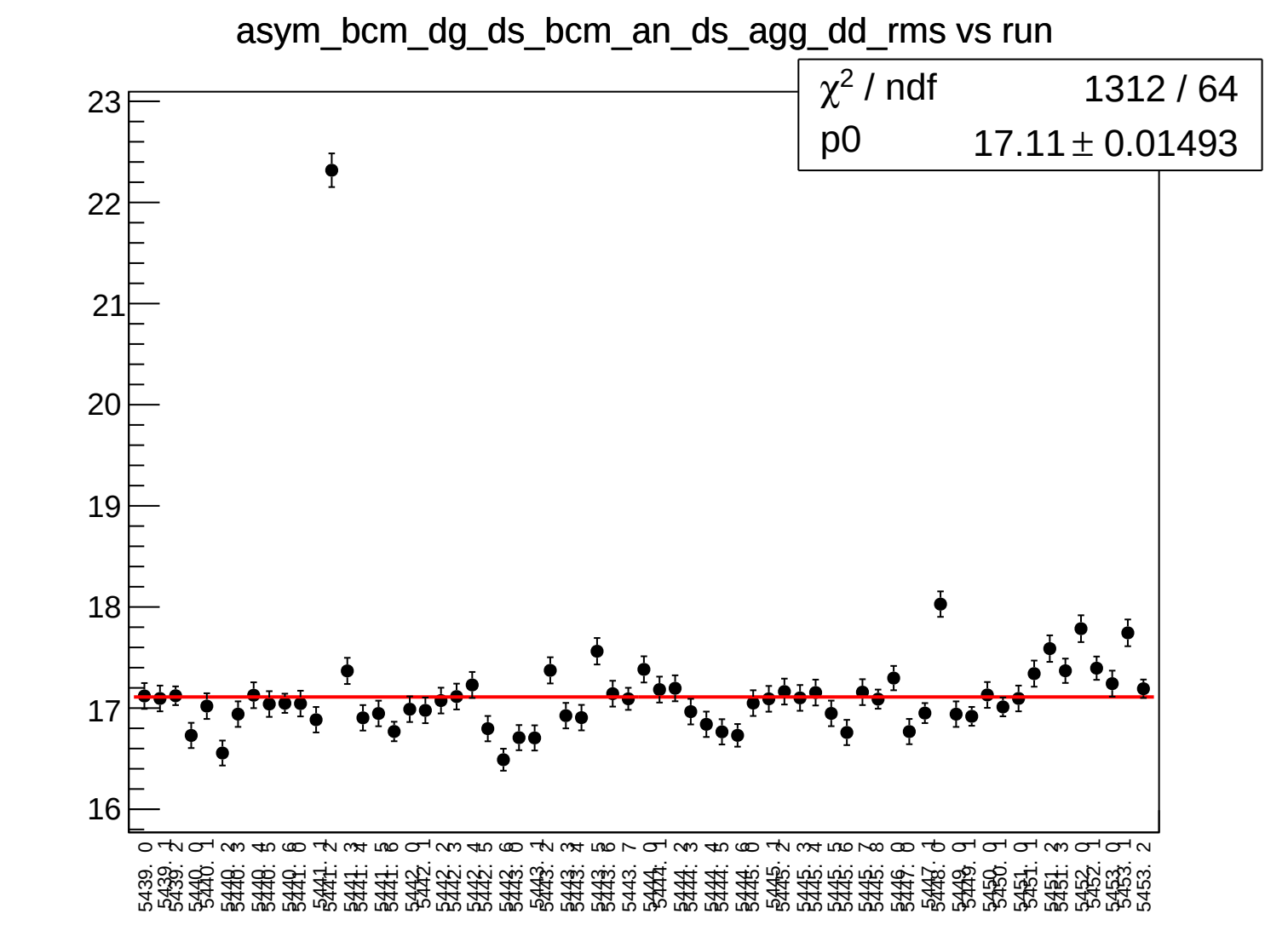

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 295.6 / 64
p0 24.2 ± 0.0211
26
25.5
25
24.5
24
23.5

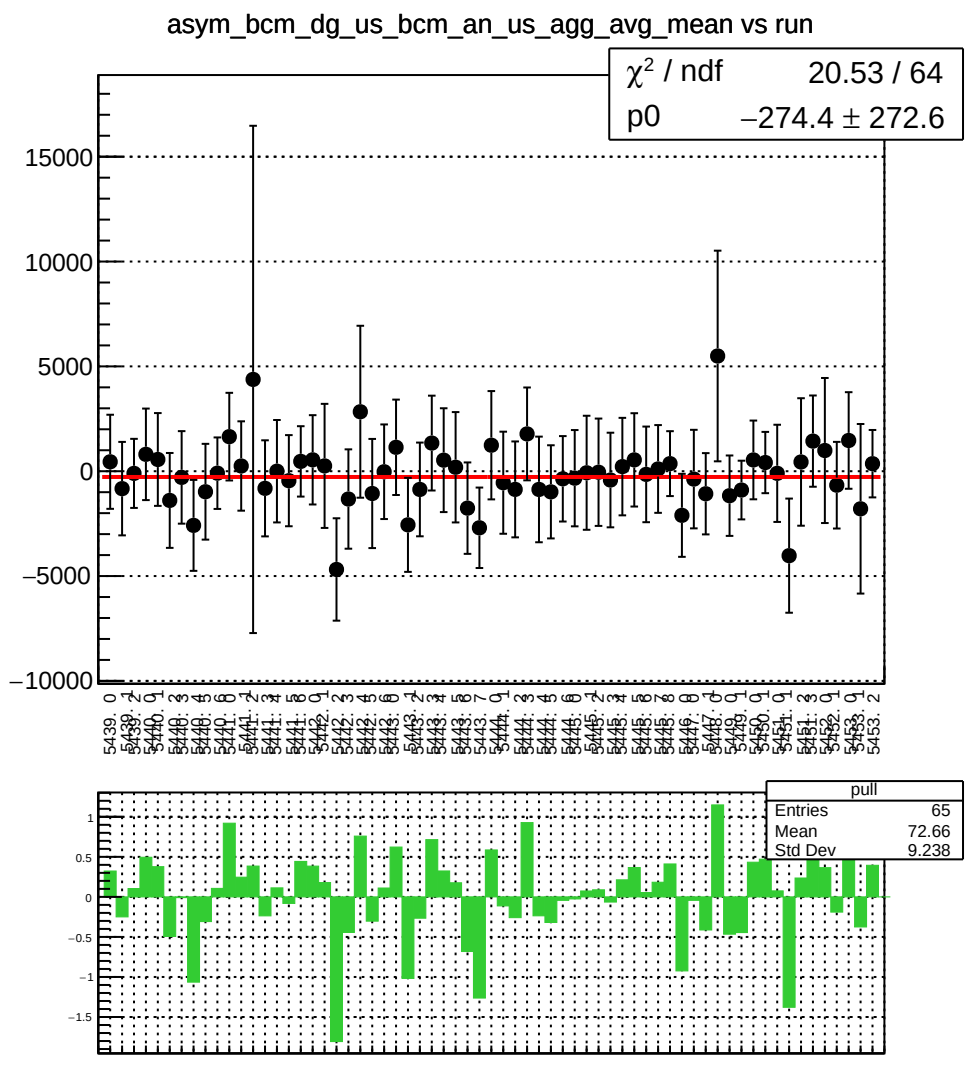

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 20.84 / 64
p0 −250.3 ± 271.7
pull
Entries 65
Mean 125.5
Std Dev 0

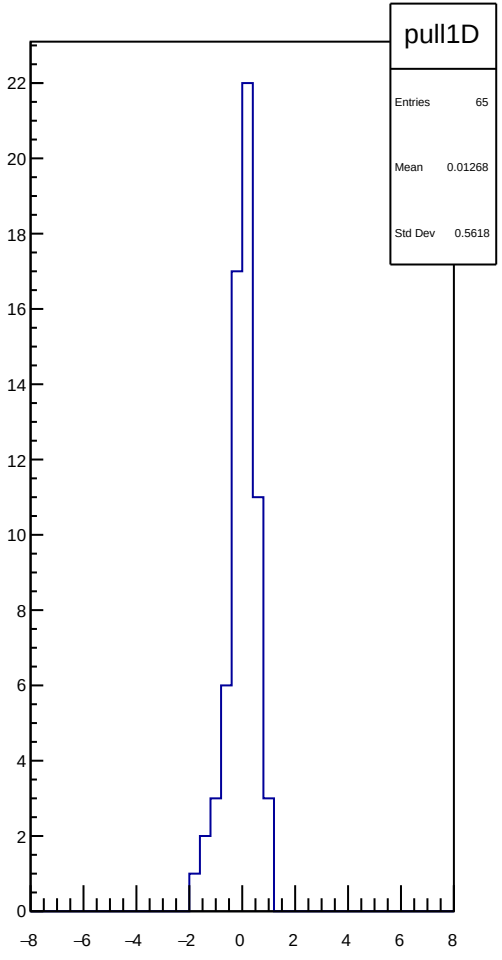

pull1D
Entries 65
Mean 0.009634
Std Dev 0.5661

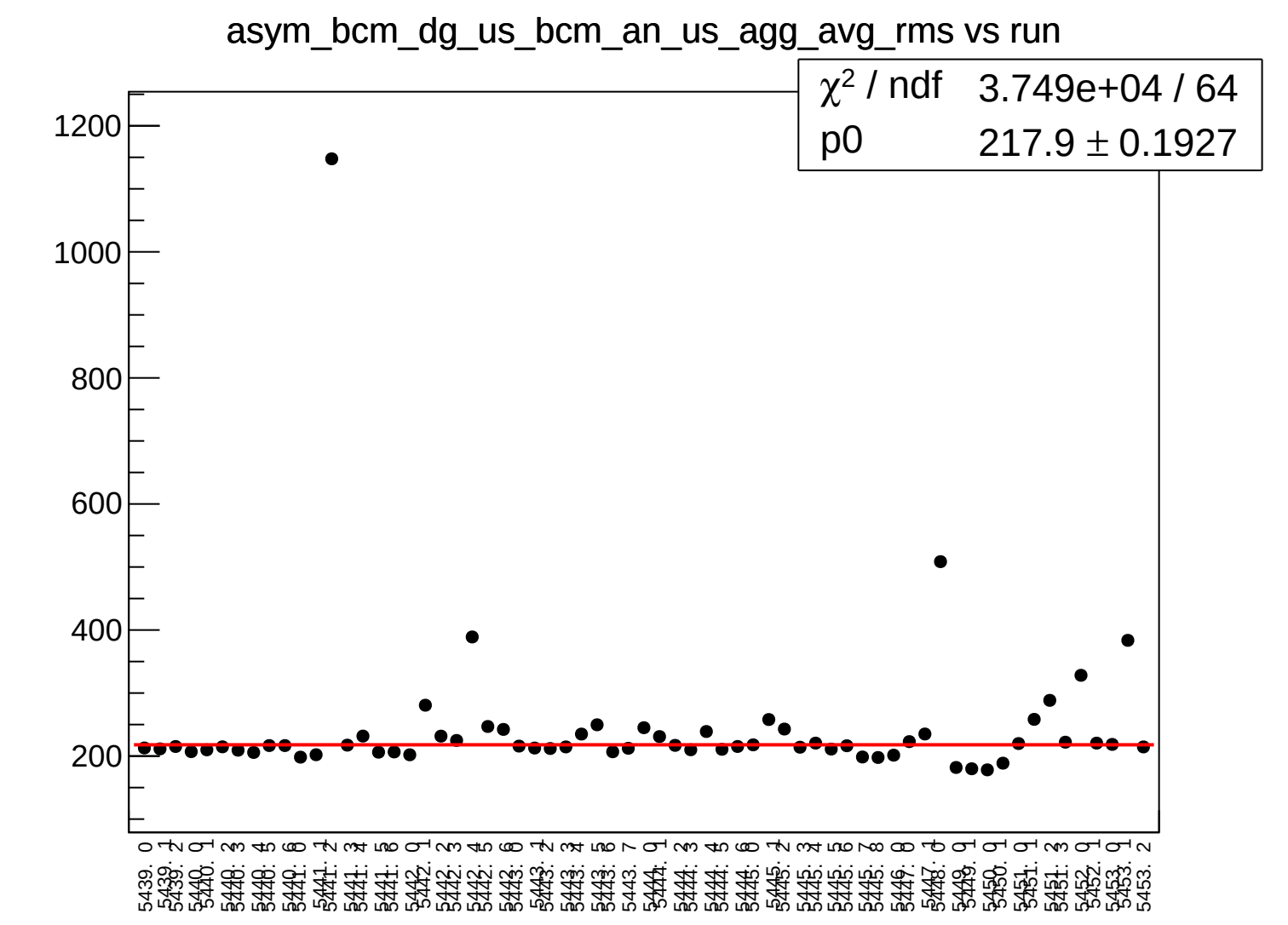

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.802e+04 / 64
p0 217.2 ± 0.1921
1200
1000
800
600
400
200

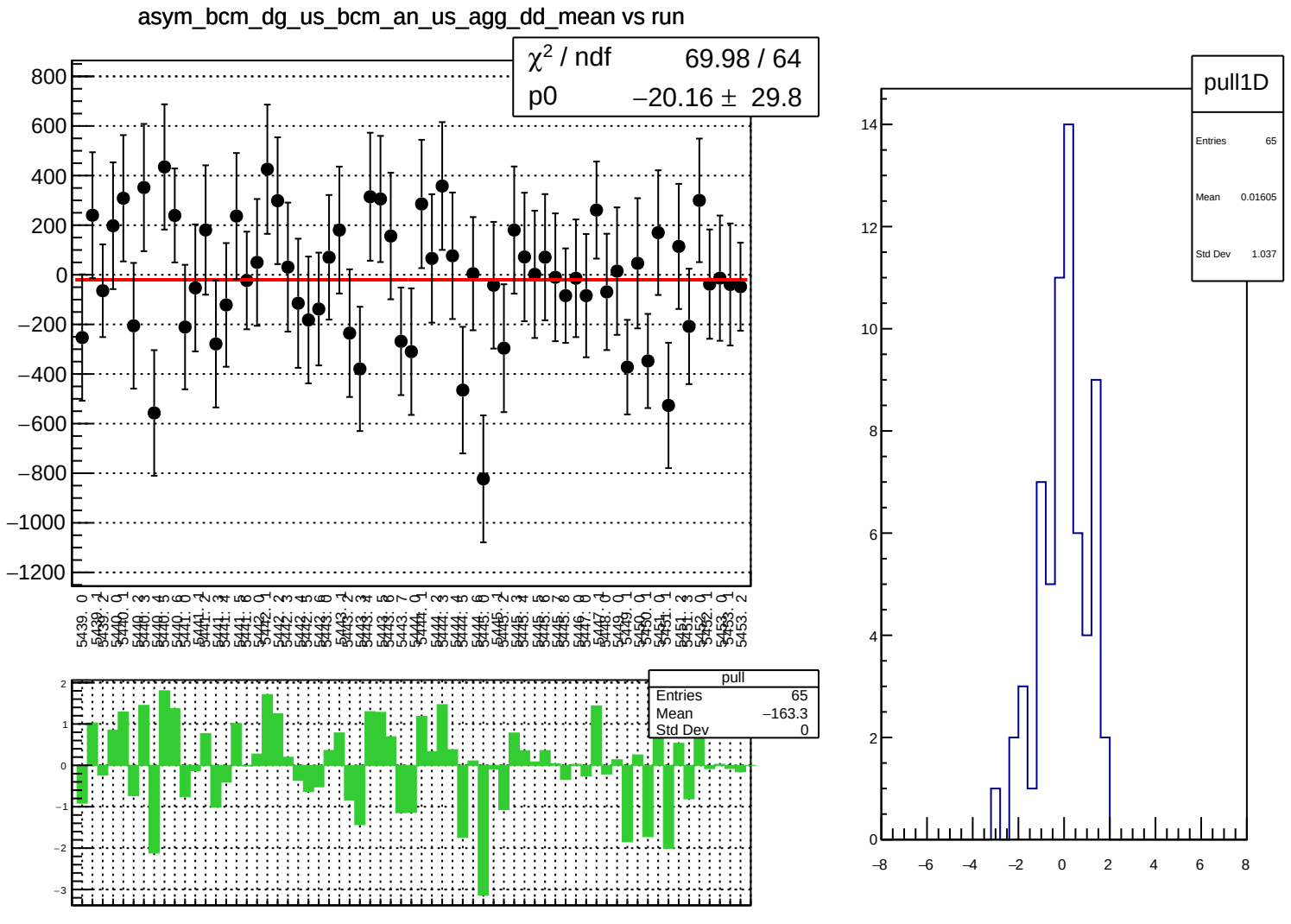

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 52.63 / 64
p0 −4.155 ± 21.11
pull
Entries 65
Mean 315.5
Std Dev 0
pull1D
Entries 65
Mean 0.007338
Std Dev 0.8998

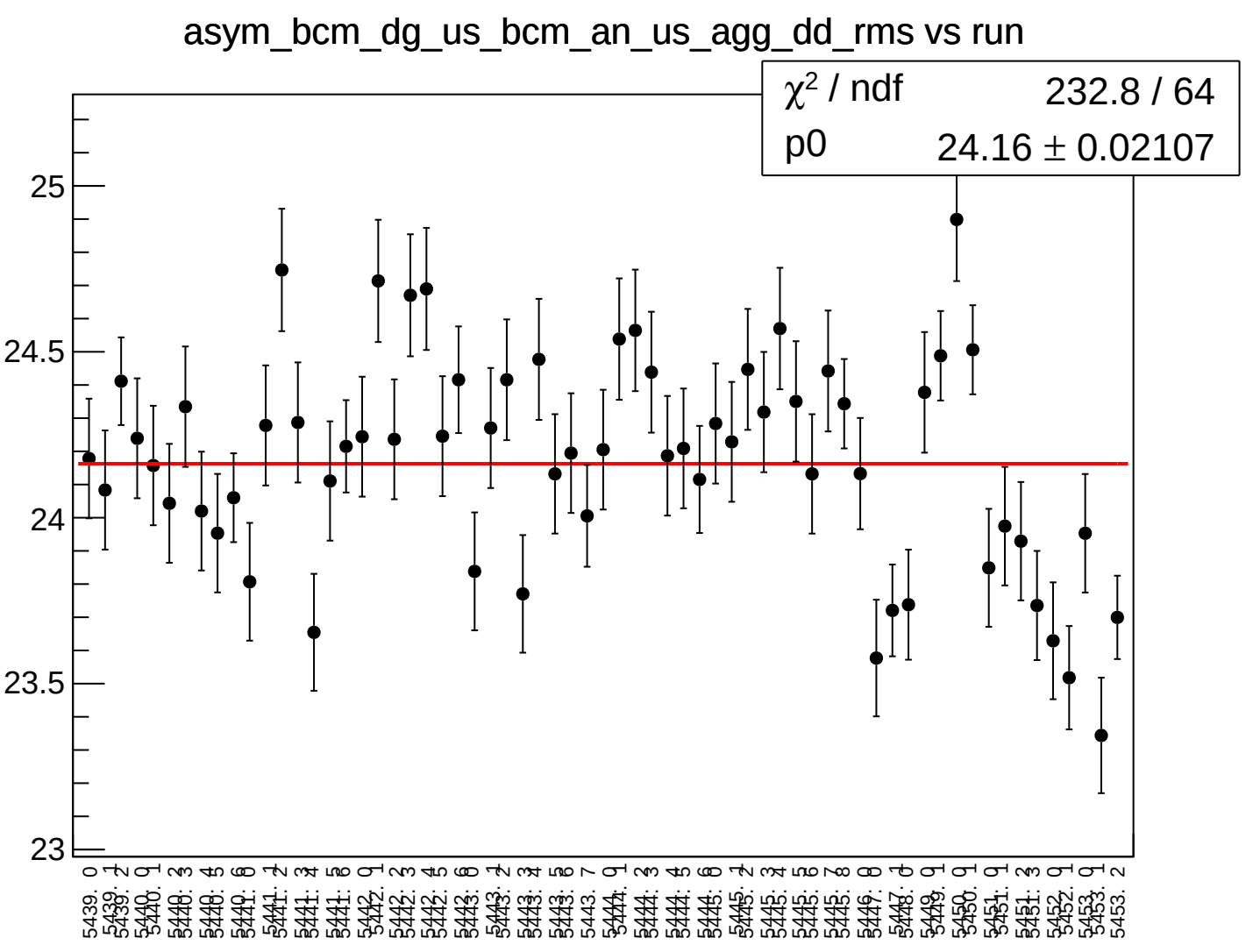

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1312 / 64
p0 17.11 ± 0.01493
23
22
21
20
19
18
17
16

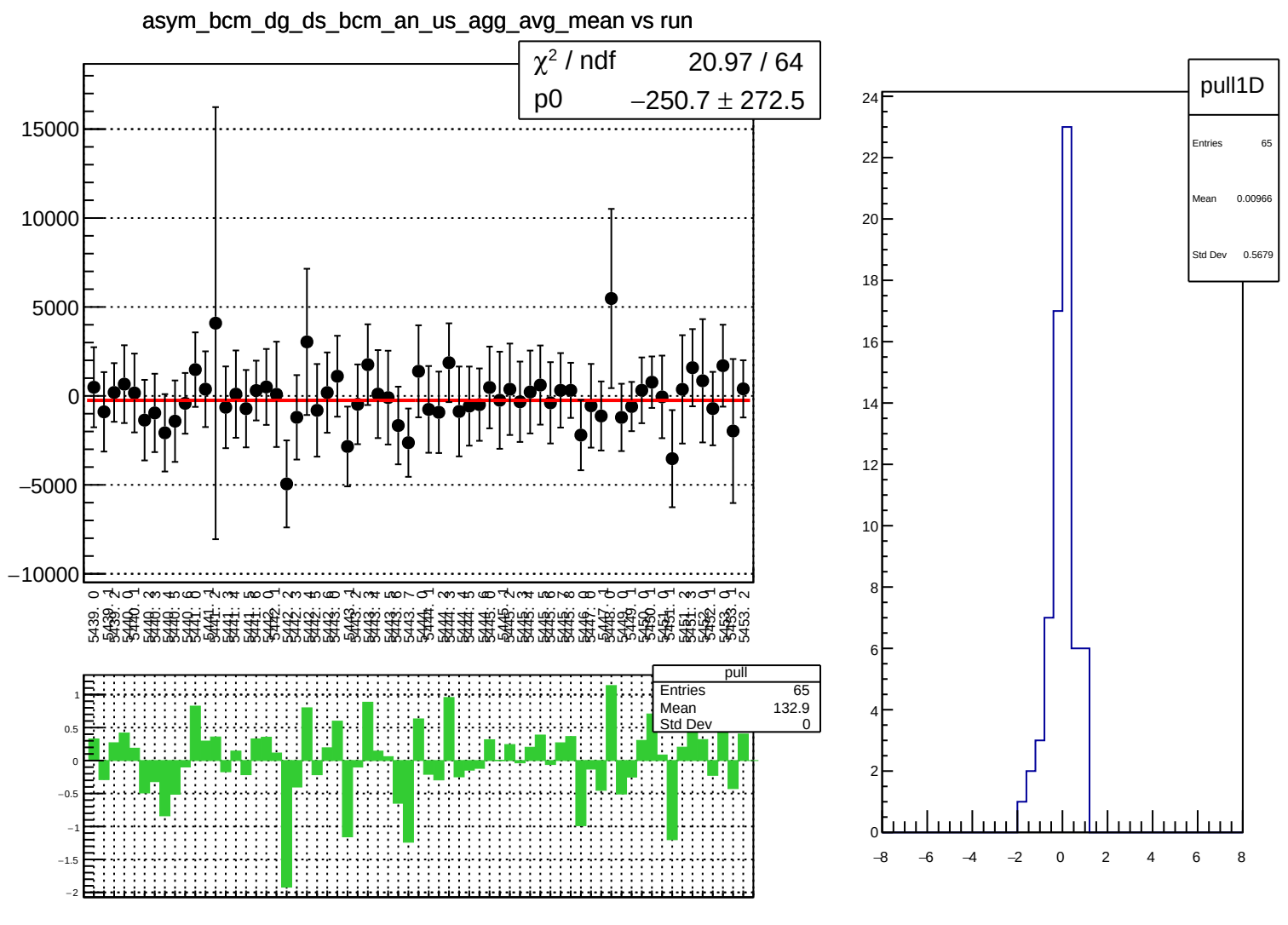

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 20.53 / 64
p0 −274.4 ± 272.6
pull
Entries 65
Mean 72.66
Std Dev 9.238

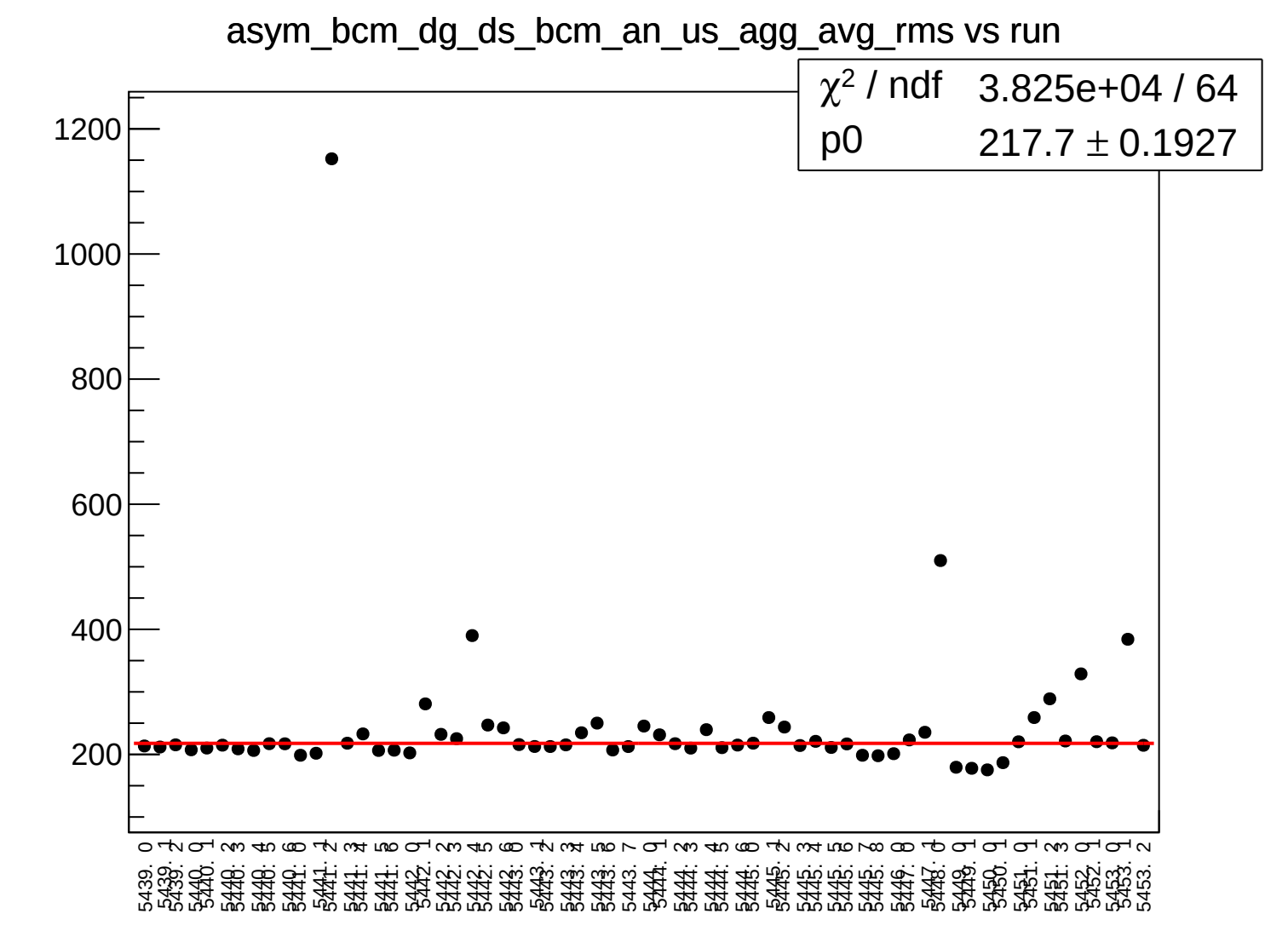

pull1D
Entries 65
Mean 0.01268
Std Dev 0.5618

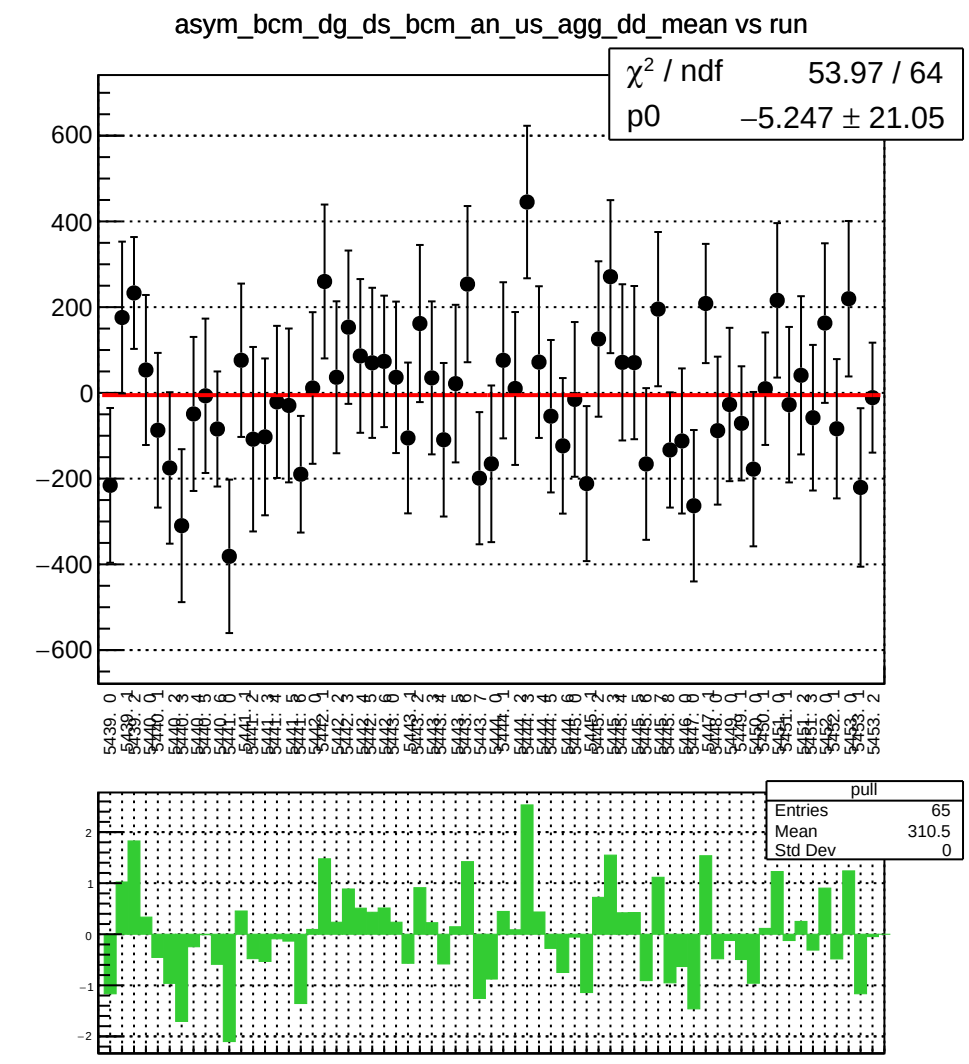

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.749e+04 / 64
p0 217.9 ± 0.1927
1200
1000
800
600
400
200

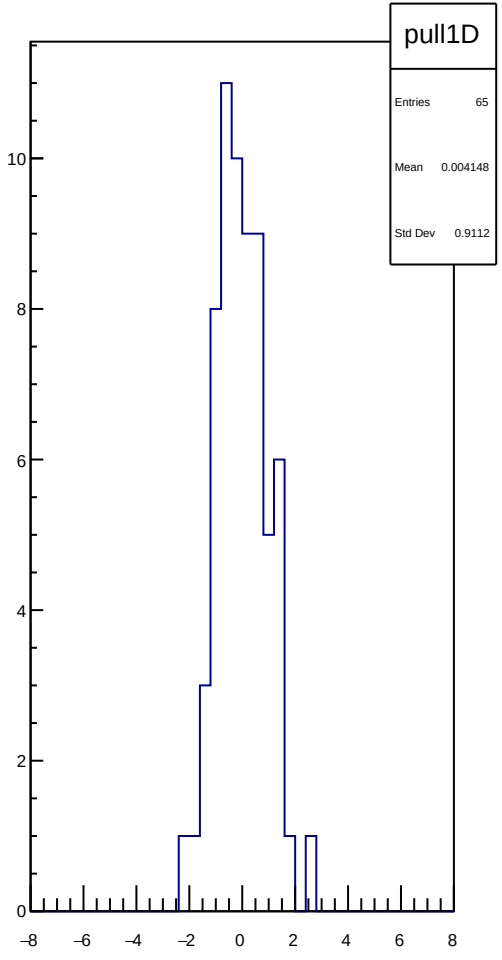

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 69.98 / 64
p0 −20.16 ± 29.8
pull
Entries 65
Mean −163.3
Std Dev 0
pull1D
Entries 65
Mean 0.01605
Std Dev 1.037

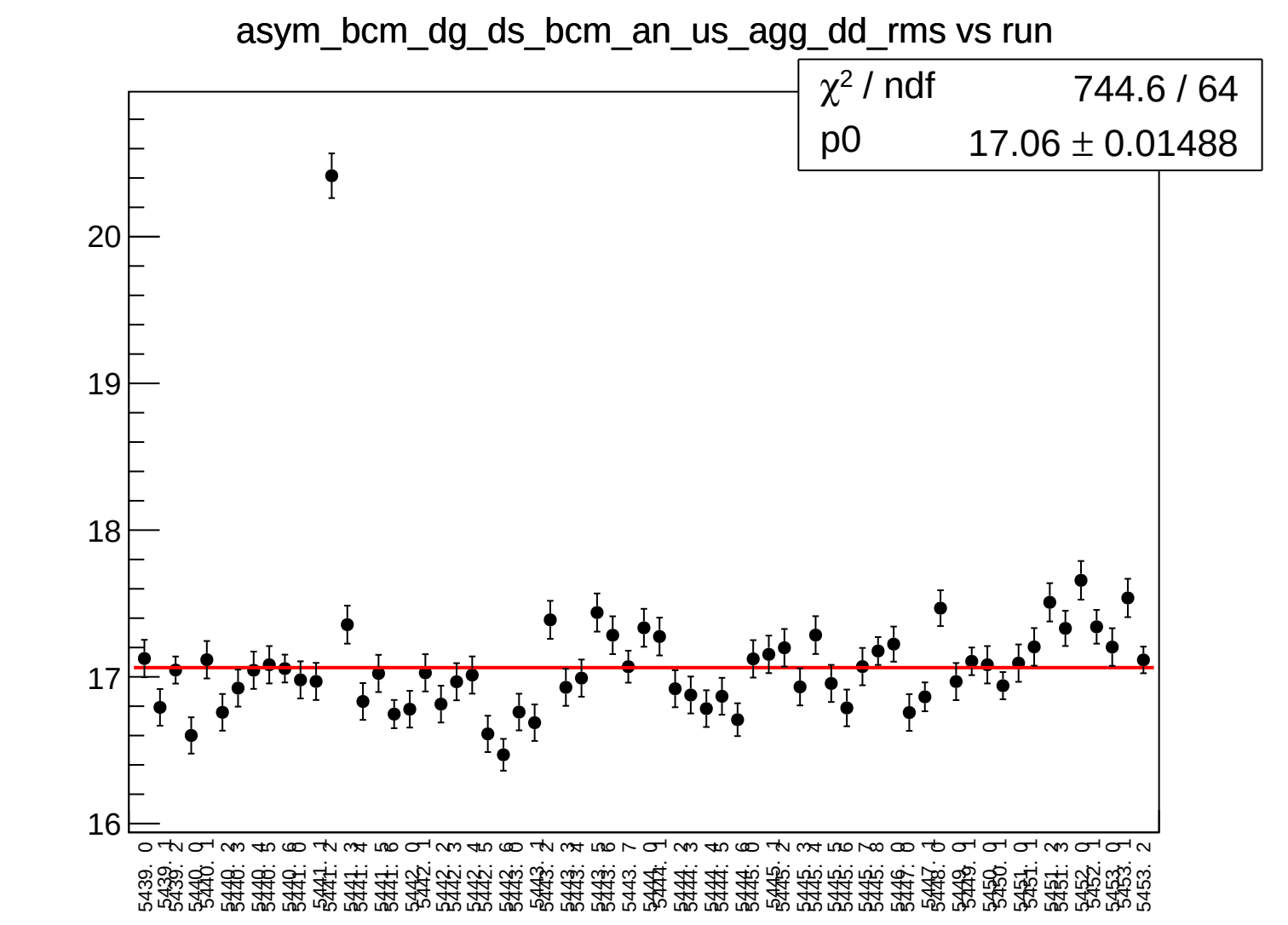

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 232.8 / 64
p0 24.16 ± 0.02107
25
24.5
24
23.5
23

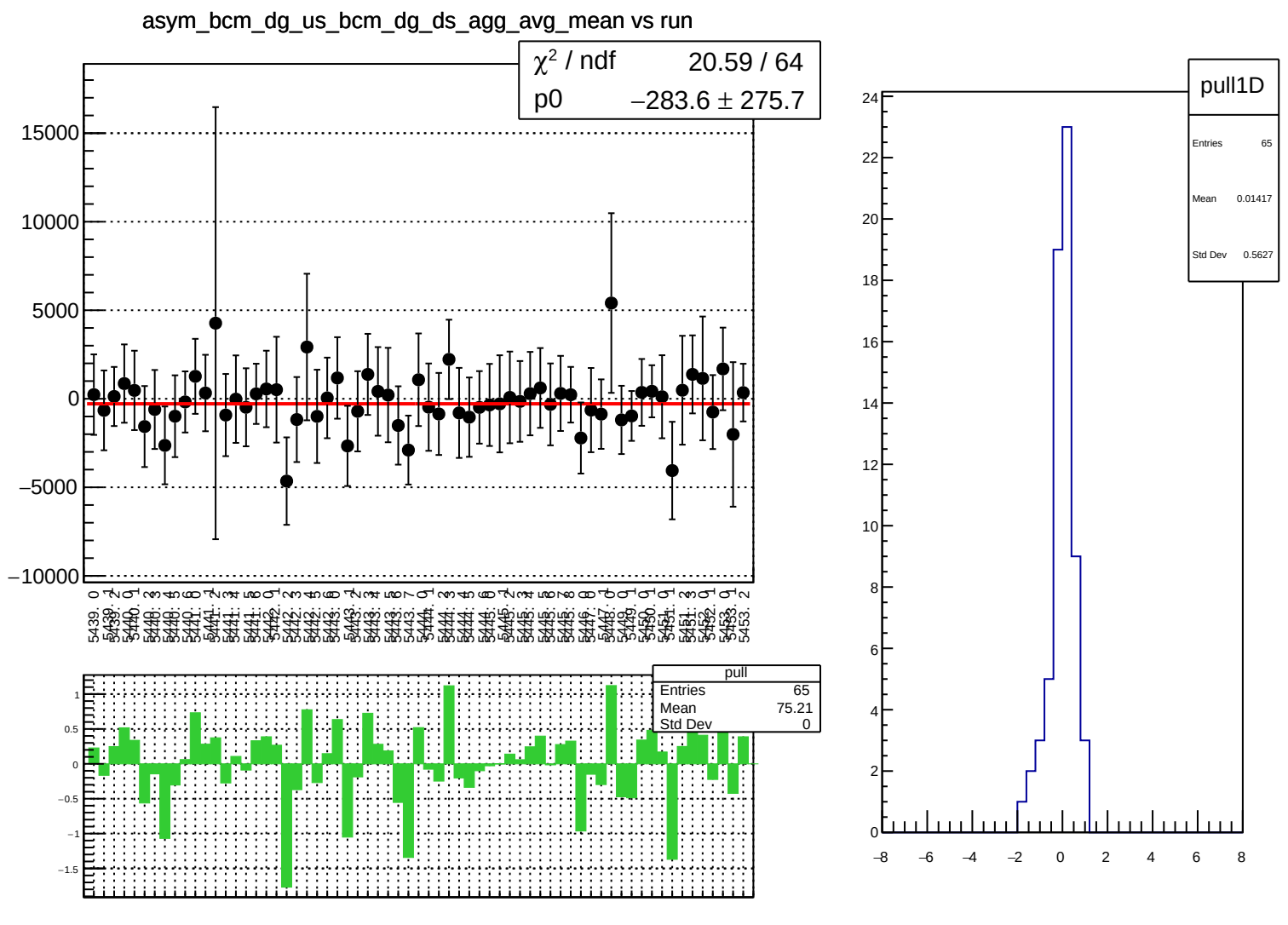

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 20.97 / 64
p0 −250.7 ± 272.5
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 132.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 65
Mean 0.00966
Std Dev 0.5679
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

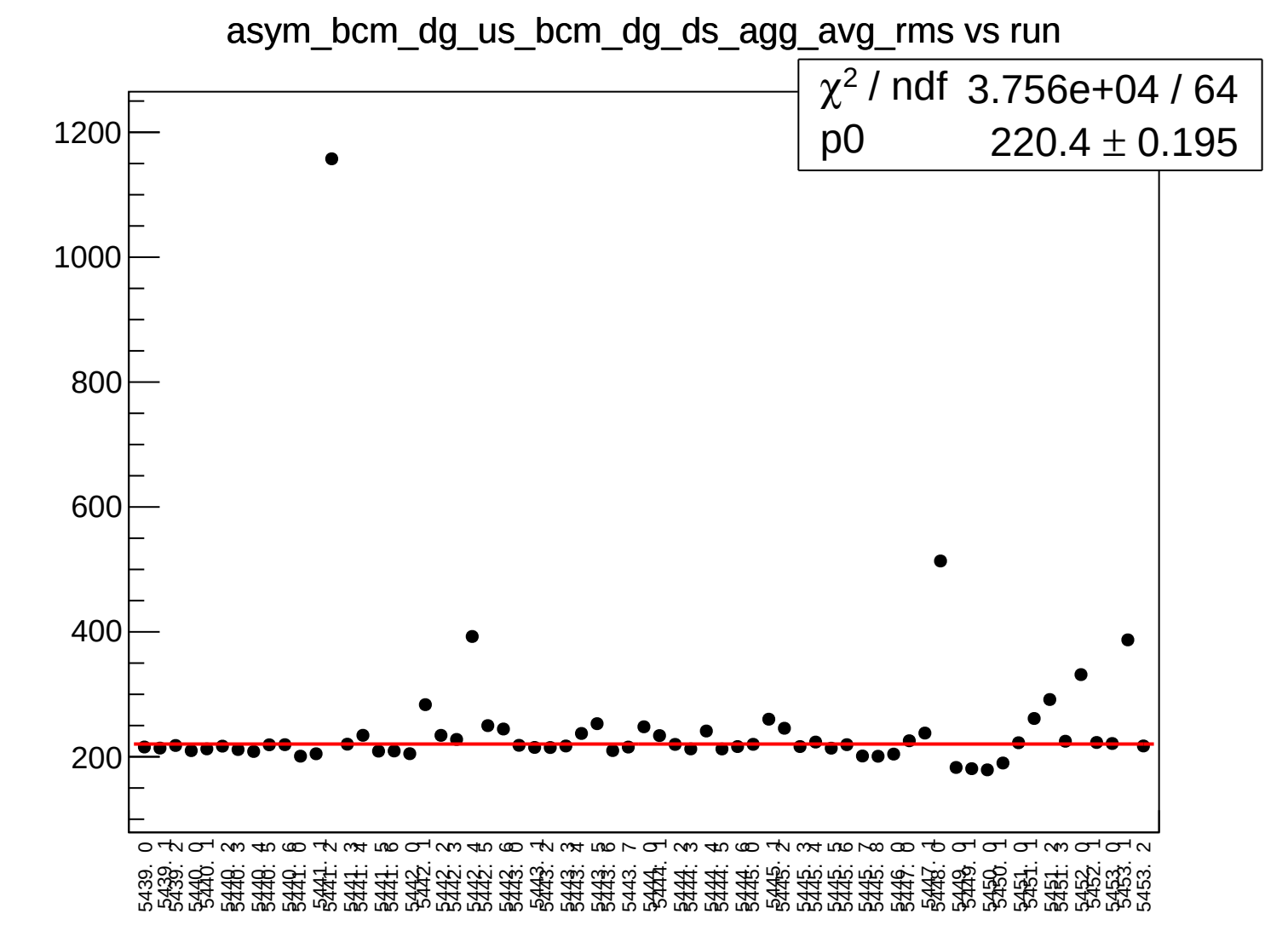

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.825e+04 / 64
p0 217.7 ± 0.1927
1200
1000
800
600
400
200

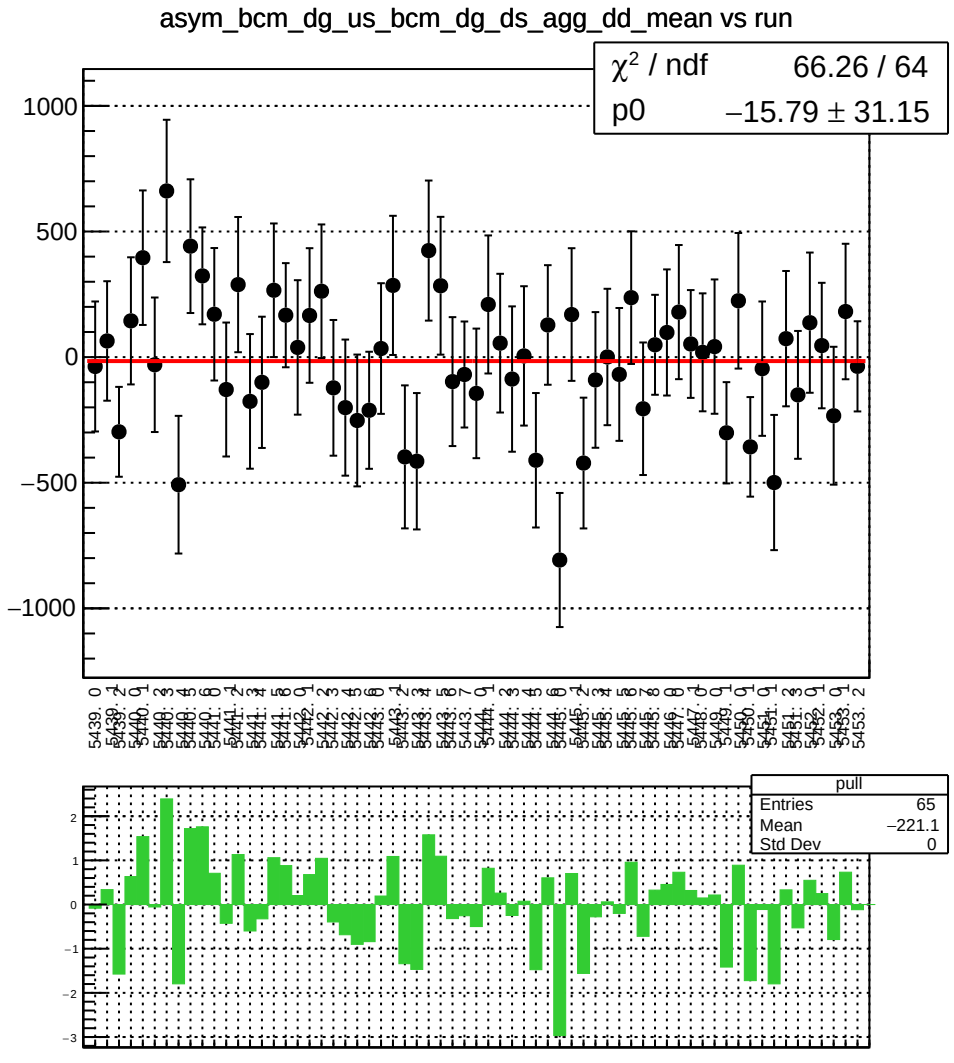

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 53.97 / 64
p0 −5.247 ± 21.05
pull
Entries 65
Mean 310.5
Std Dev 0

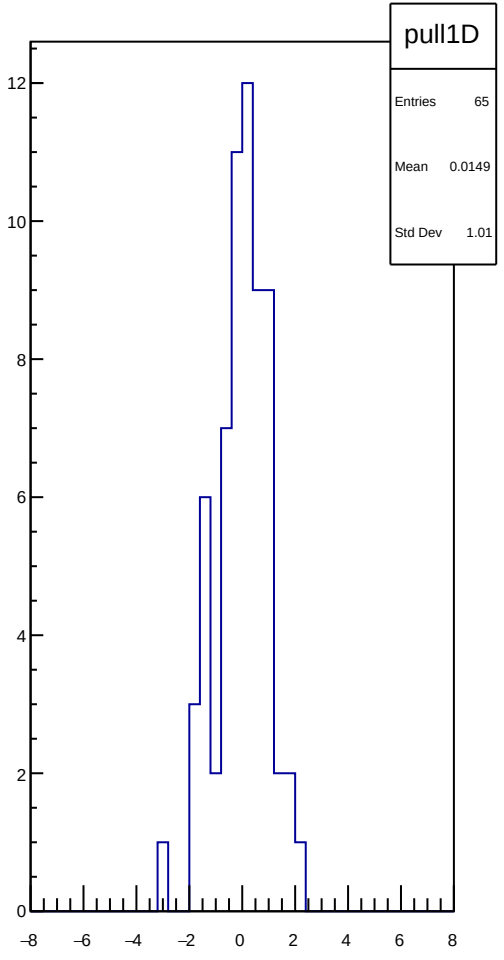

pull1D
Entries 65
Mean 0.004148
Std Dev 0.9112

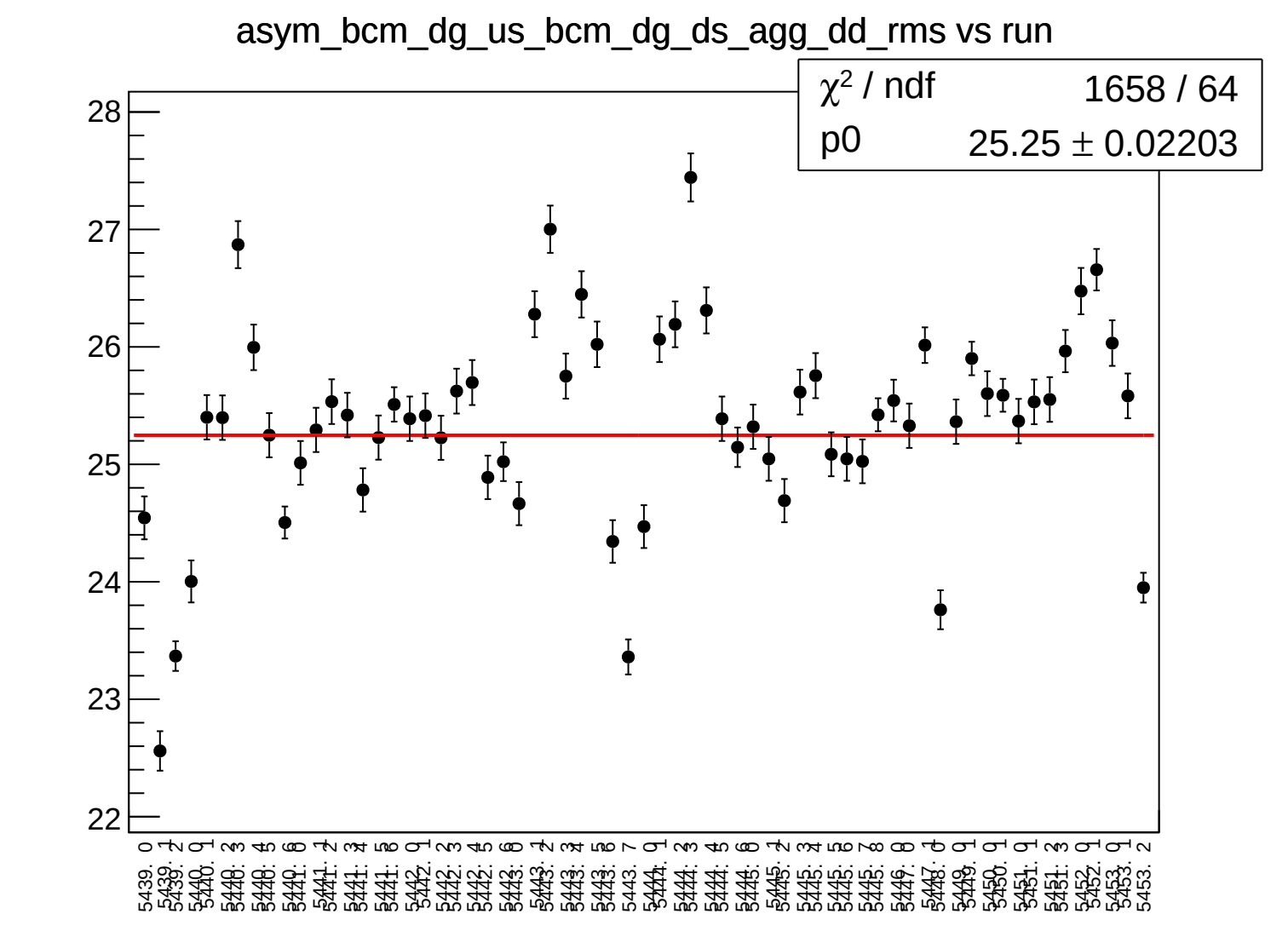

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 744.6 / 64
p0 17.06 ± 0.01488
20
19
18
17
16

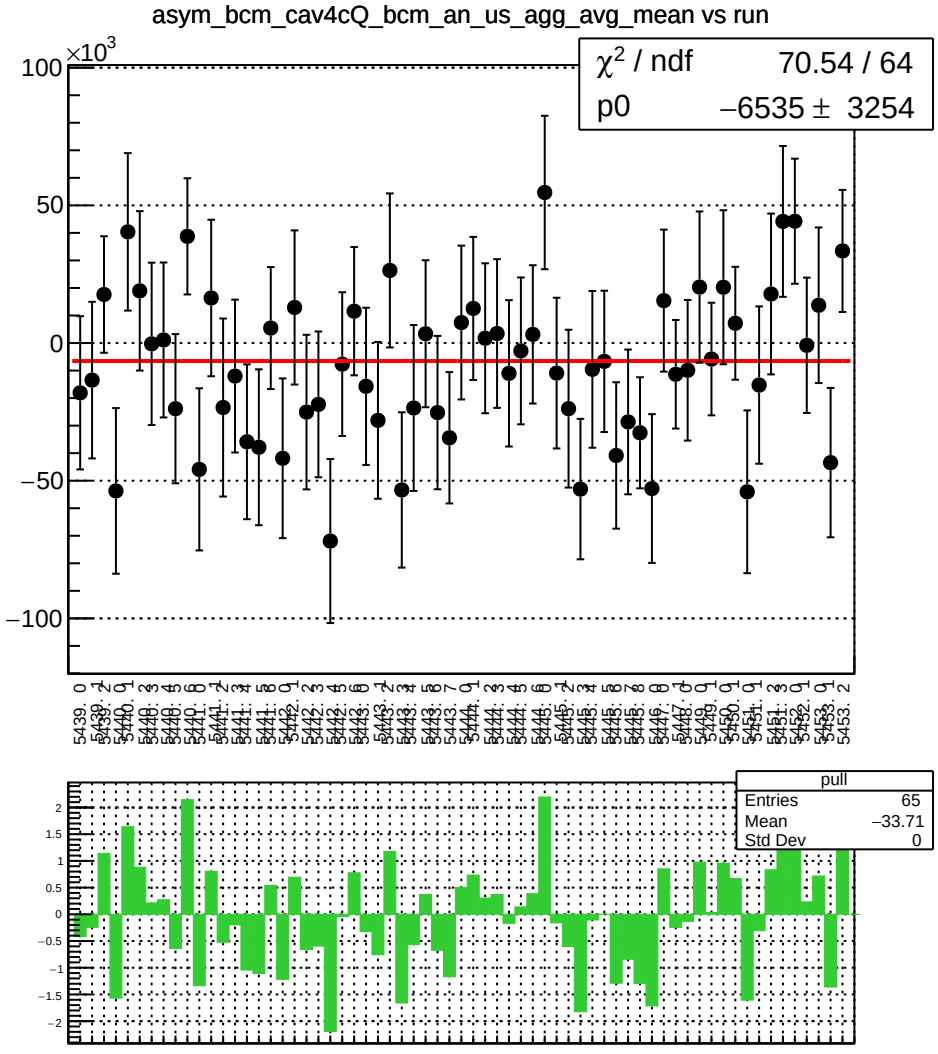

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 20.59 / 64
p0 −283.6 ± 275.7
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 75.21
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 65
Mean 0.01417
Std Dev 0.5627
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

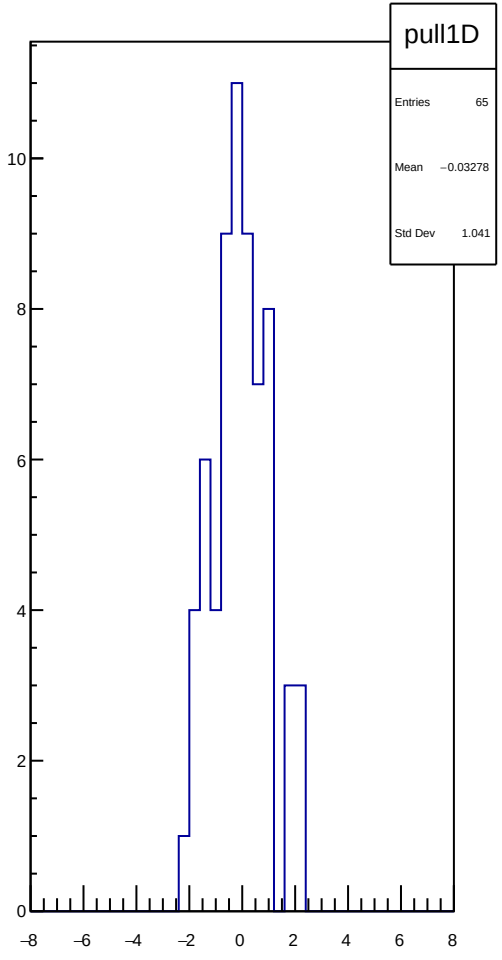

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.756e+04 / 64
p0 220.4 ± 0.195
1200
1000
800
600
400
200

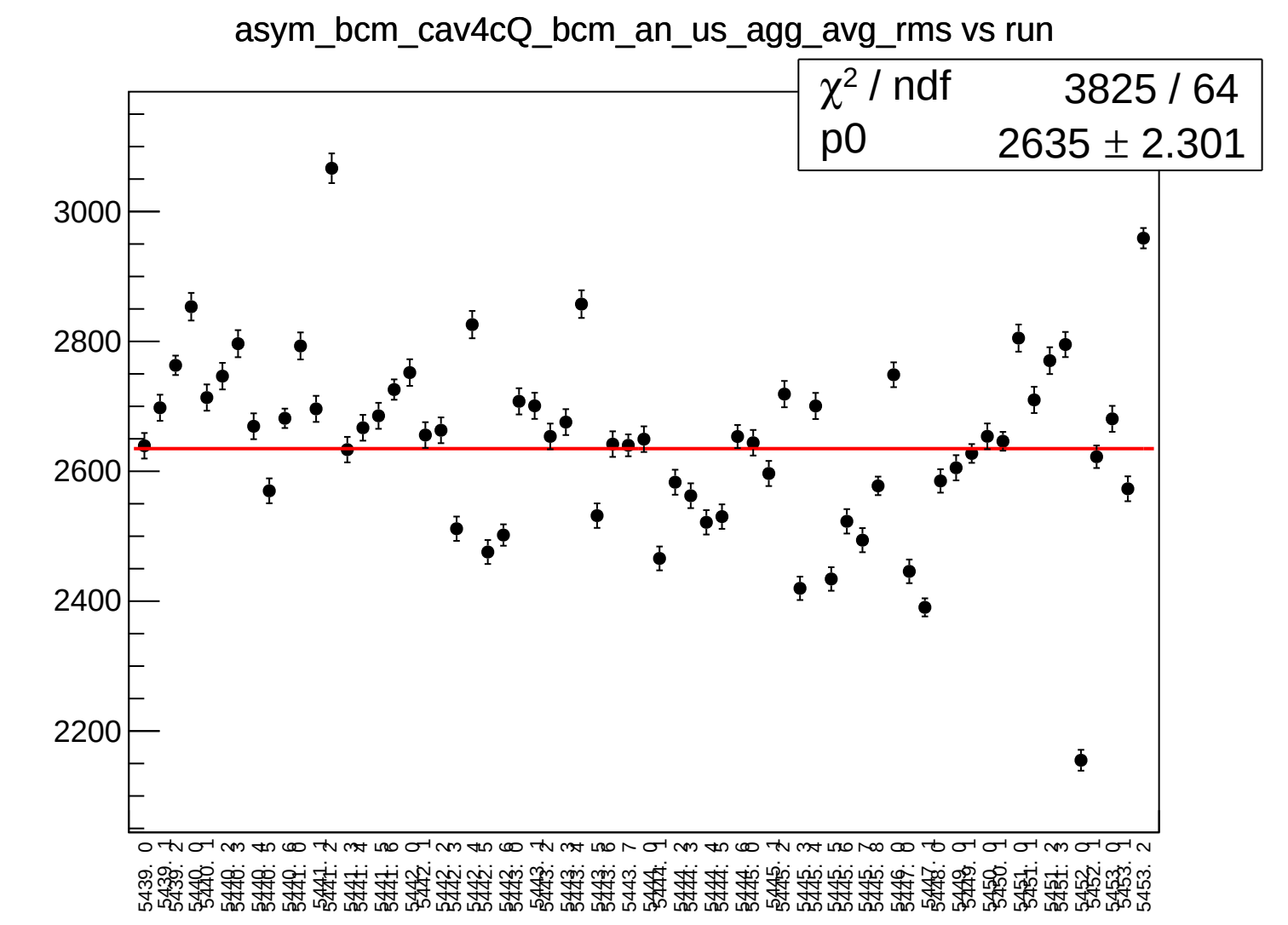

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 66.26 / 64
p0 −15.79 ± 31.15
1000
500
0
−500
−1000
pull
Entries 65
Mean −221.1
Std Dev 0
2
1
0
−1
−2
−3

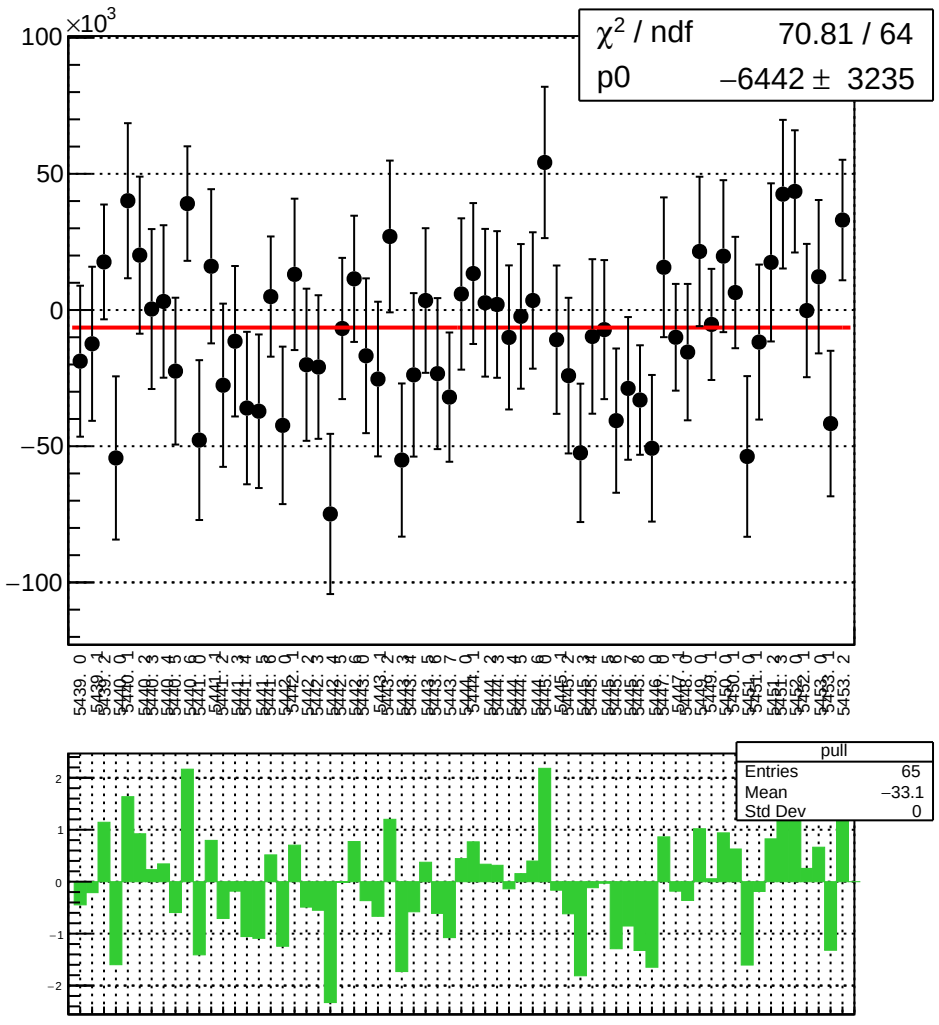

pull1D
Entries 65
Mean 0.0149
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

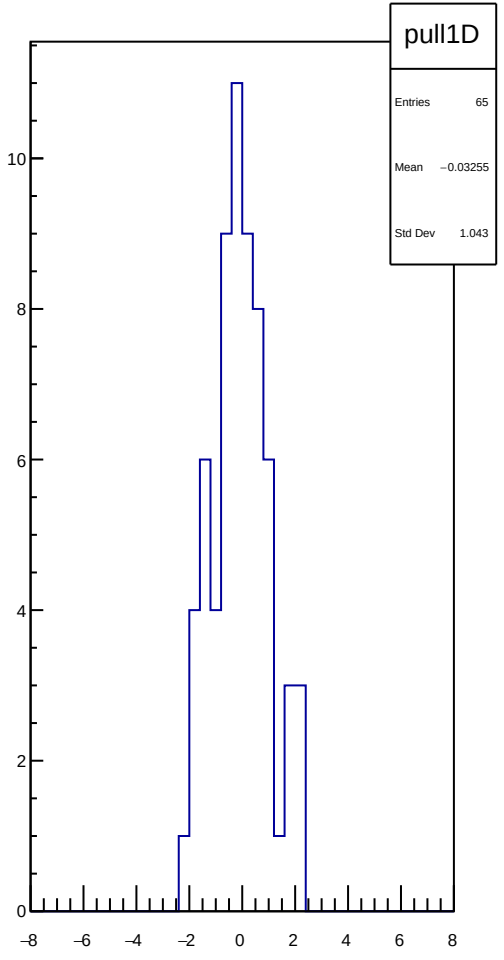

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1658 / 64
p0 25.25 ± 0.02203
28
27
26
25
24
23
22

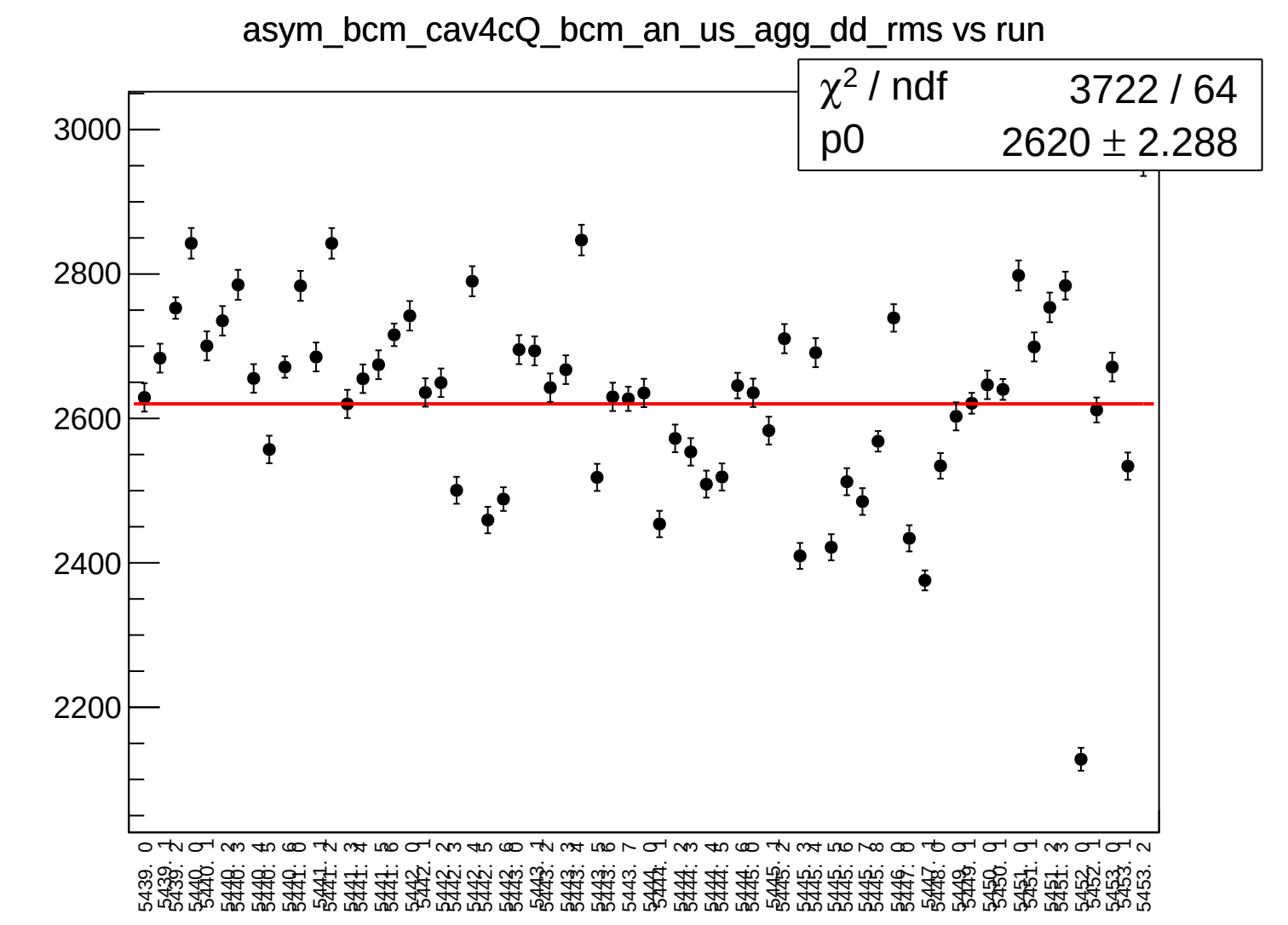

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
×10^3
χ² / ndf 70.54 / 64
p0 −6535 ± 3254
100
50
0
−50
−100
pull
Entries 65
Mean −33.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

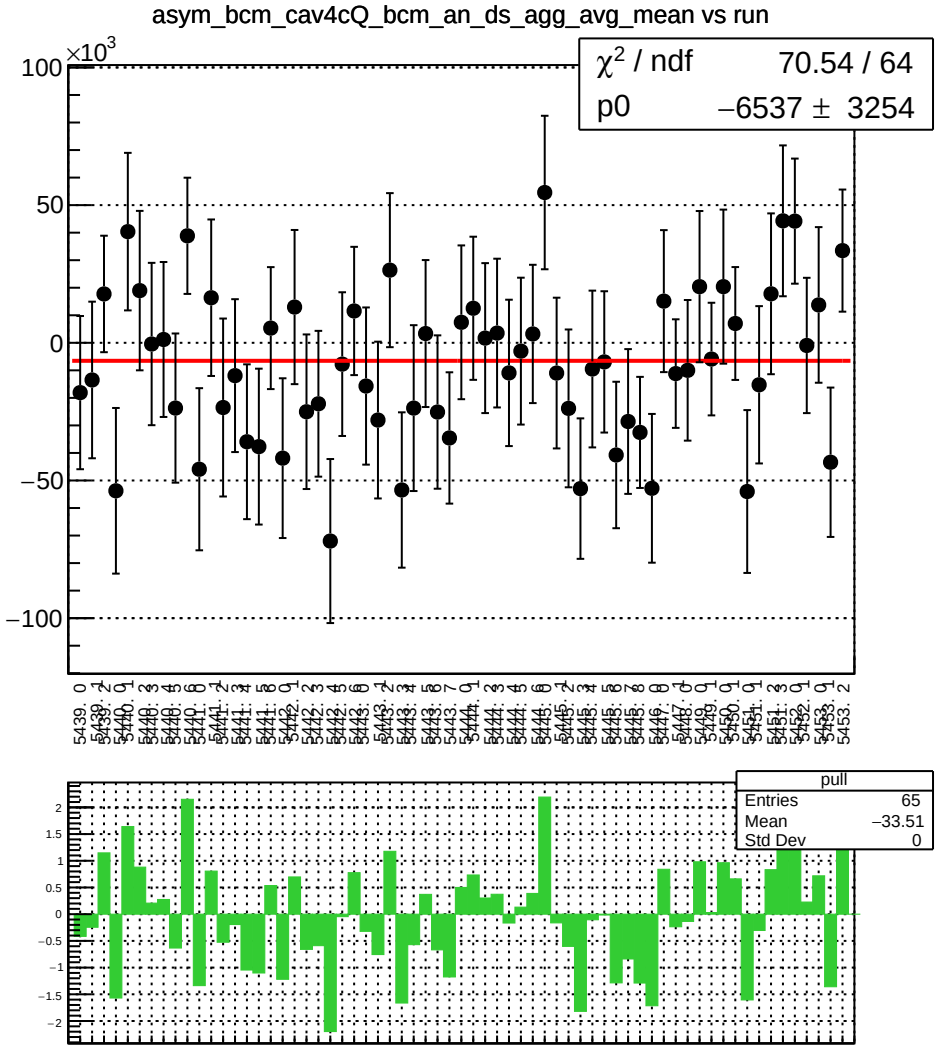

pull1D
Entries 65
Mean −0.03278
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

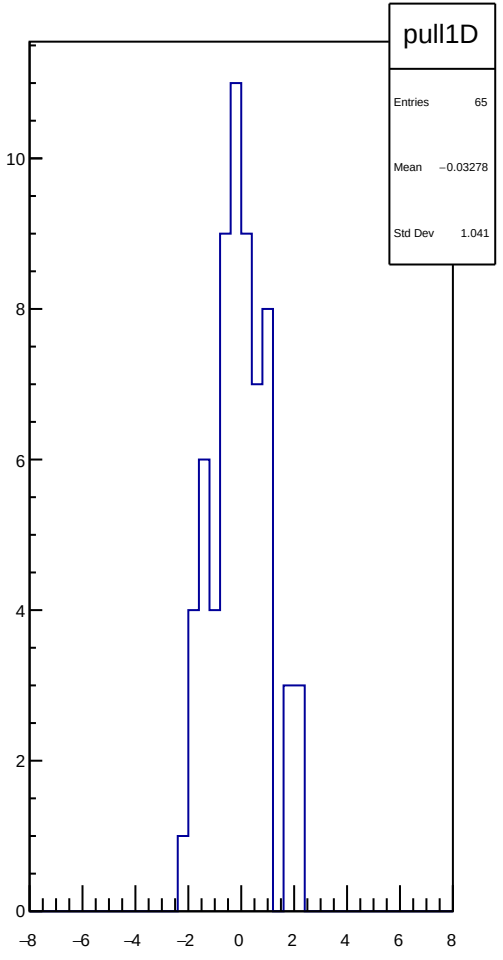

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3825 / 64
p0 2635 ± 2.301
3000
2800
2600
2400
2200

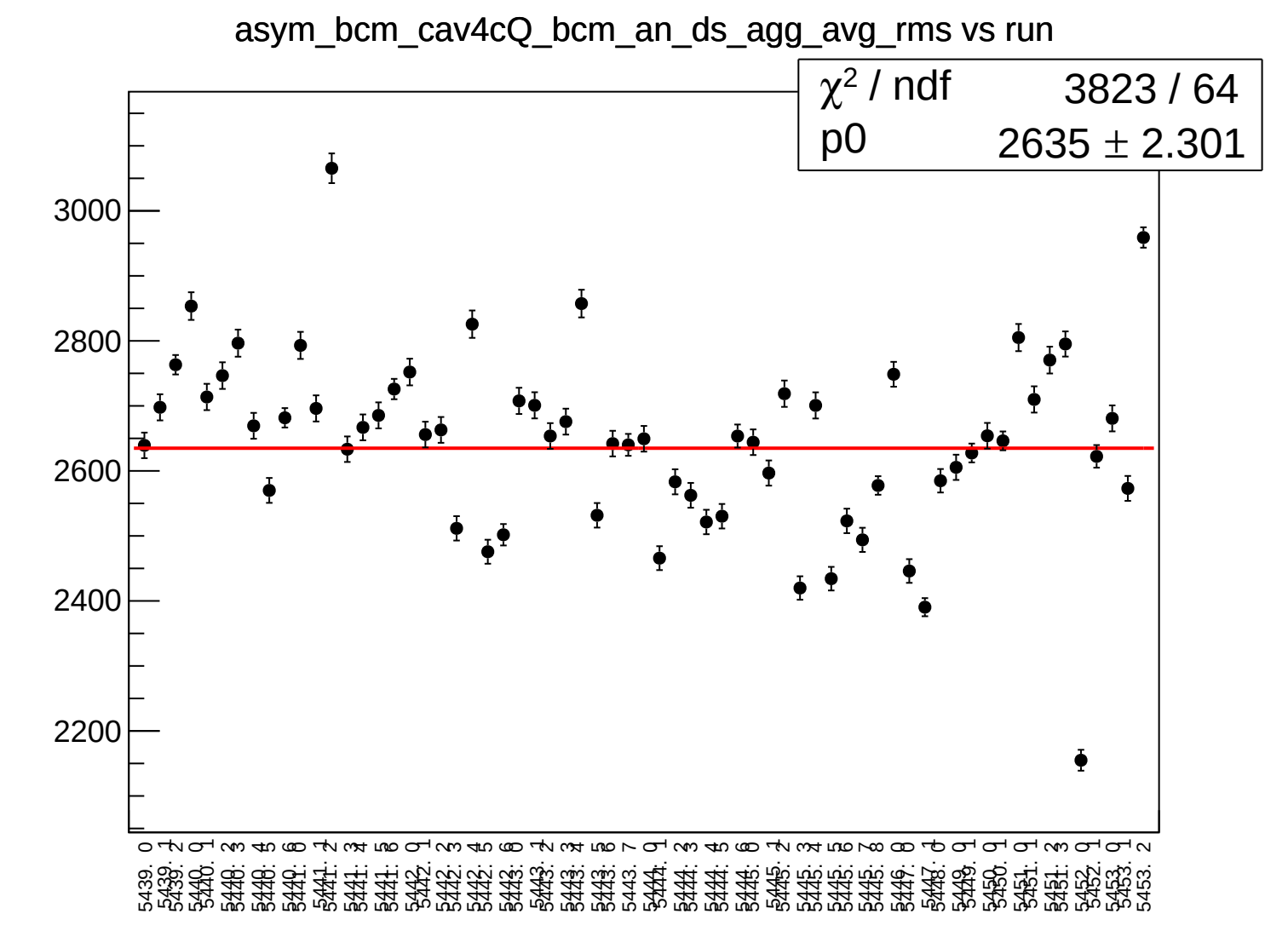

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
×10^3
χ² / ndf 70.81 / 64
p0 −6442 ± 3235
pull
Entries 65
Mean −33.1
Std Dev 0

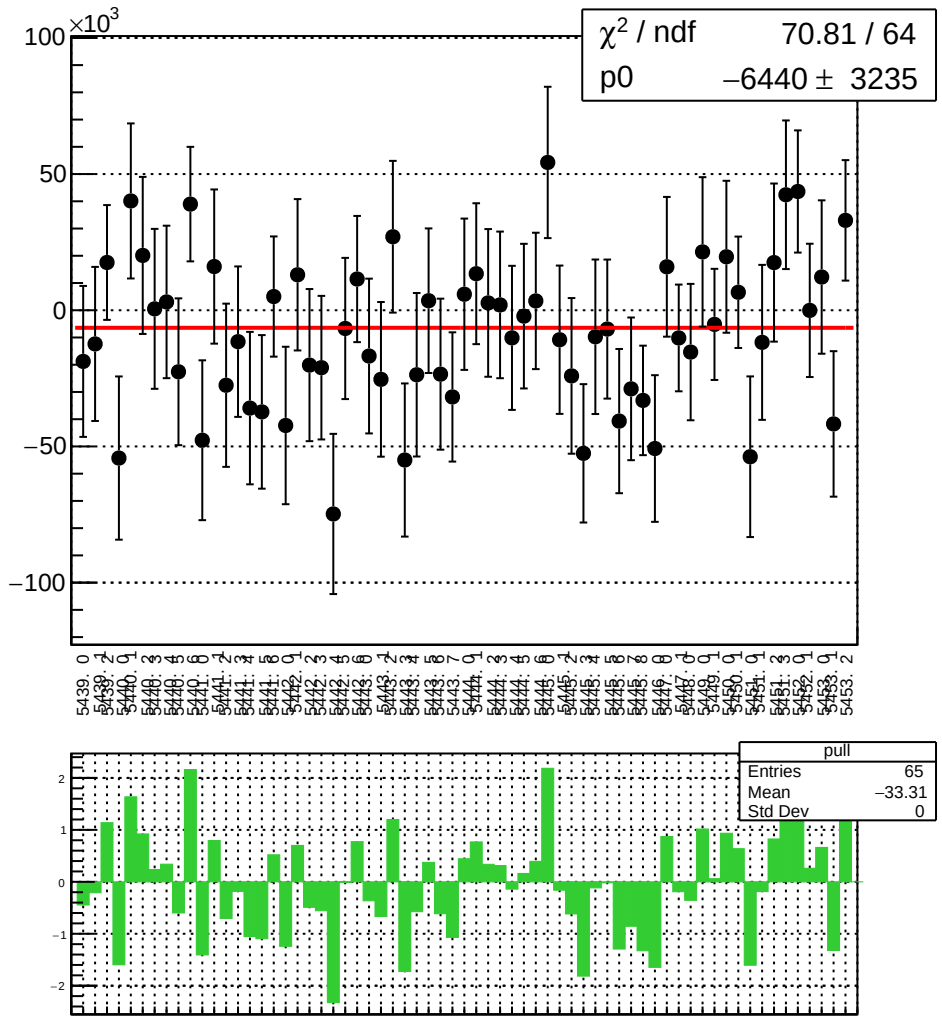

pull1D
Entries 65
Mean −0.03255
Std Dev 1.043

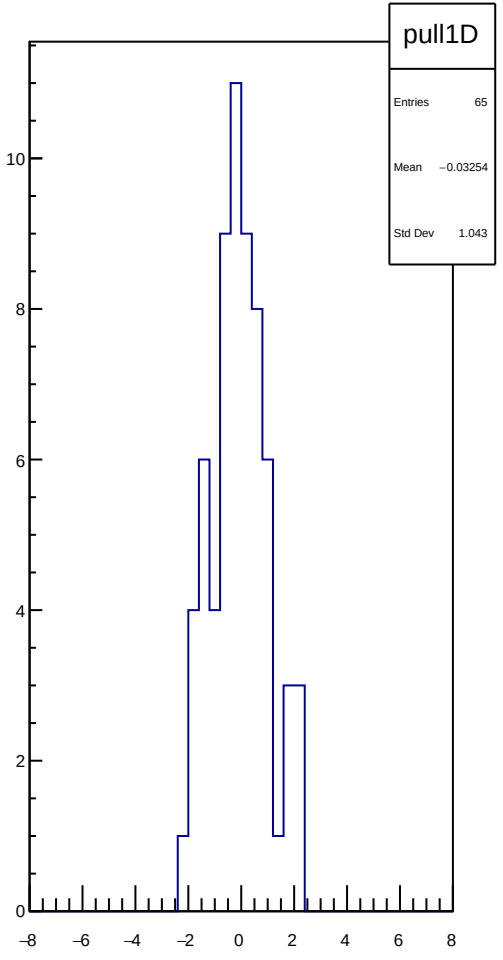

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3722 / 64
p0 2620 ± 2.288
3000
2800
2600
2400
2200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

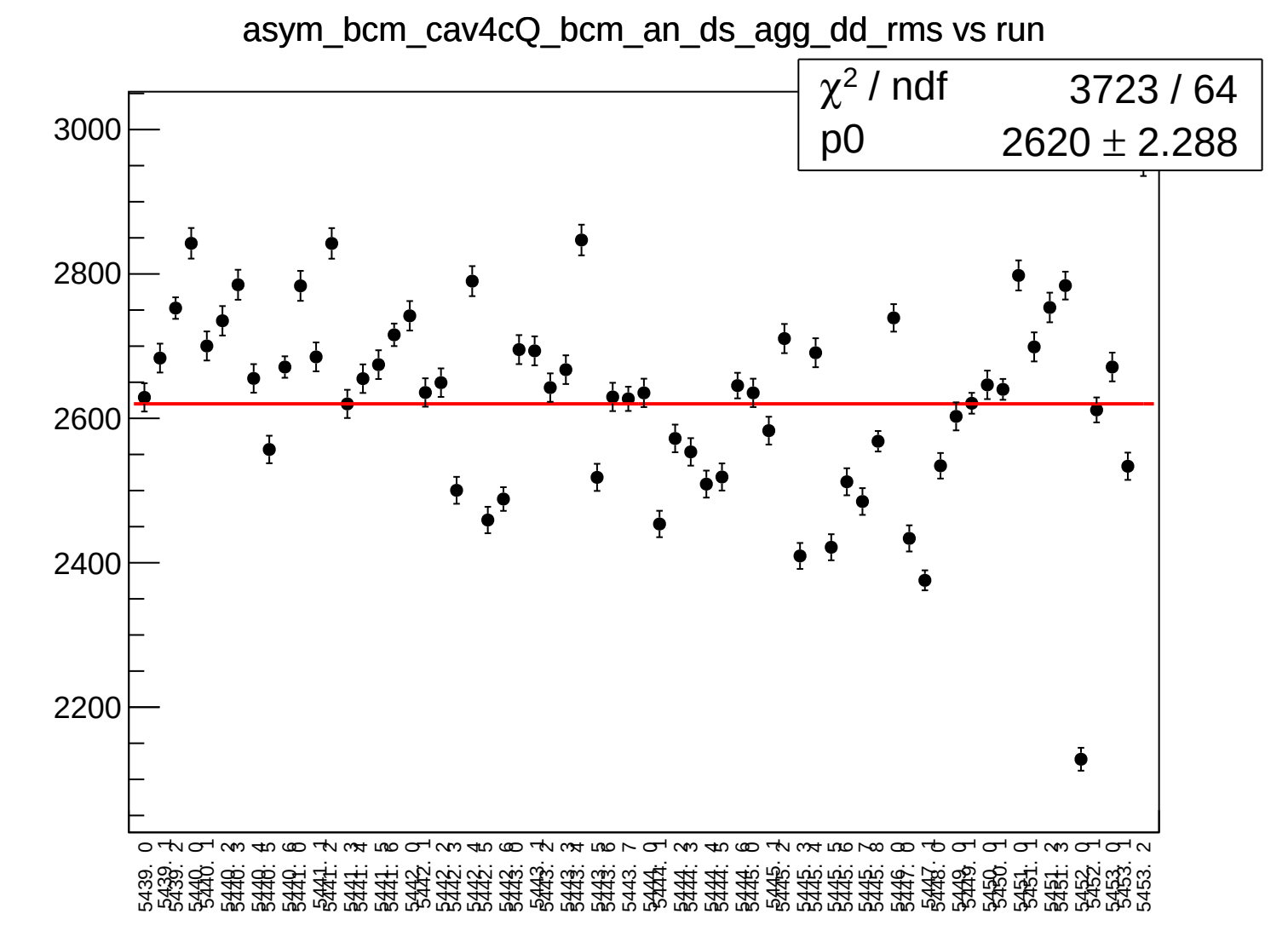

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
×10^3
χ² / ndf 70.54 / 64
p0 −6537 ± 3254
pull
Entries 65
Mean −33.51
Std Dev 0

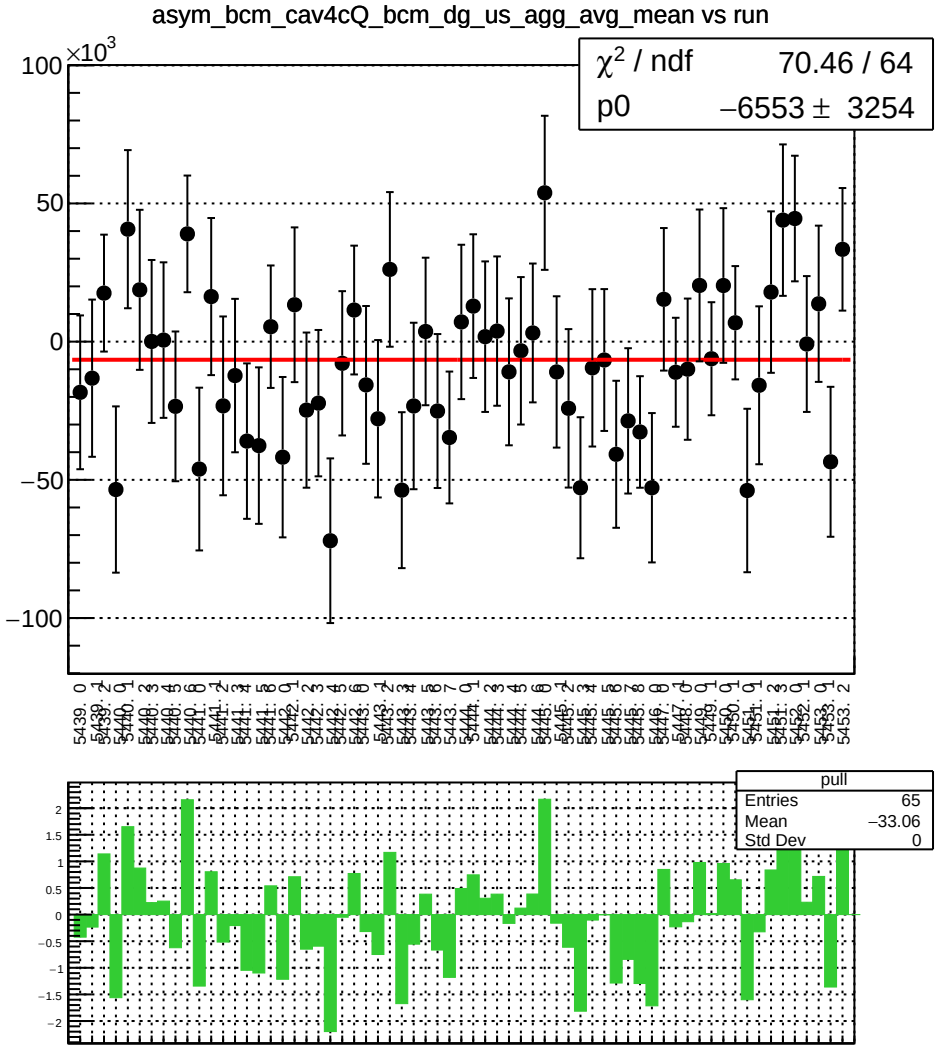

pull1D
Entries 65
Mean −0.03278
Std Dev 1.041

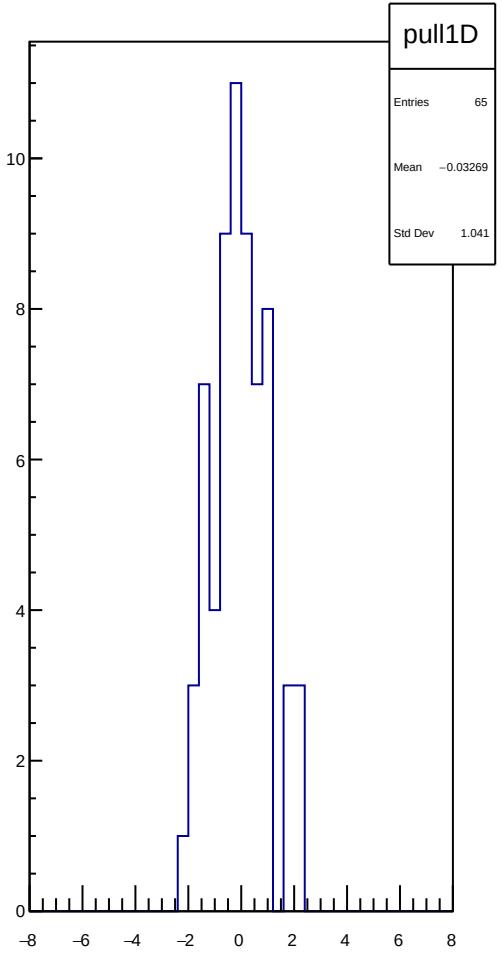

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3823 / 64
p0 2635 ± 2.301
3000
2800
2600
2400
2200

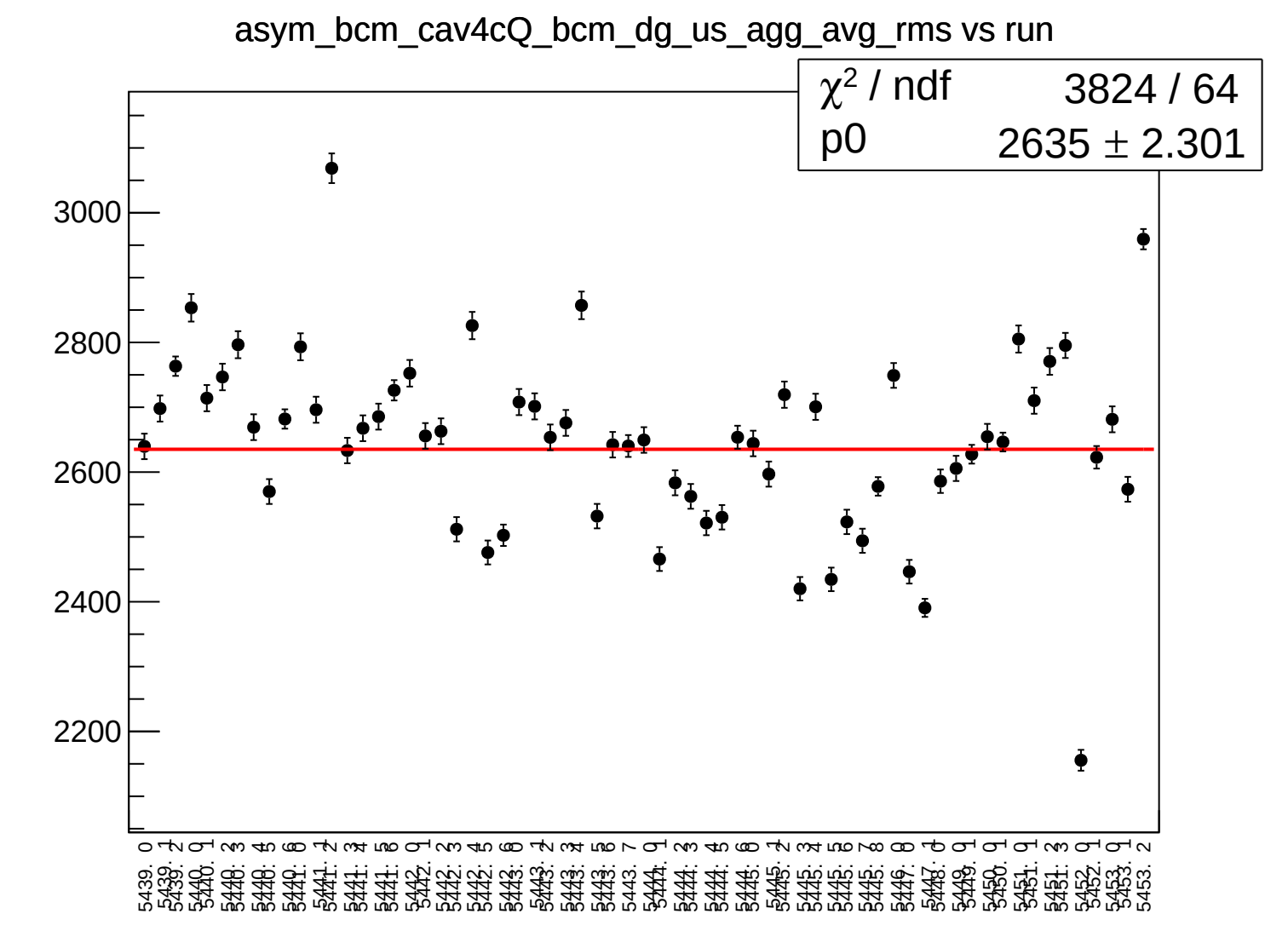

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
×10^3
χ² / ndf 70.81 / 64
p0 −6440 ± 3235
pull
Entries 65
Mean −33.31
Std Dev 0

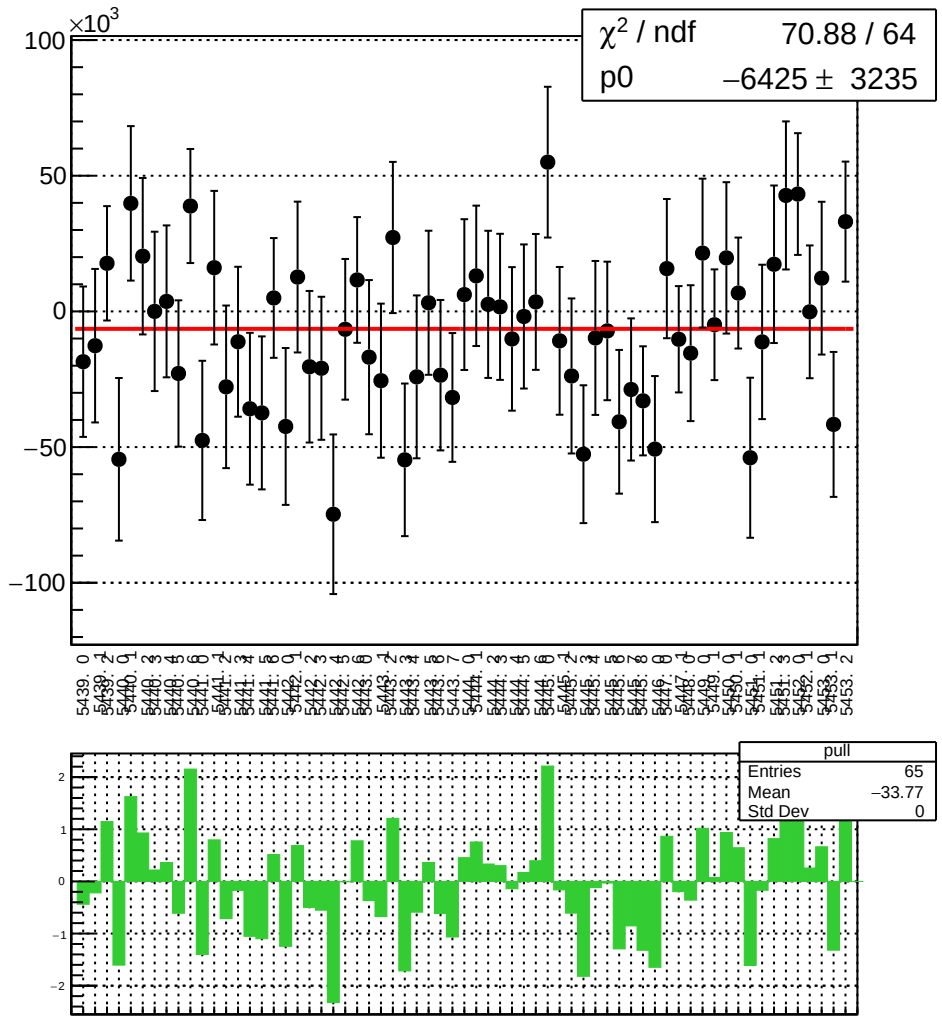

pull1D
Entries 65
Mean −0.03254
Std Dev 1.043

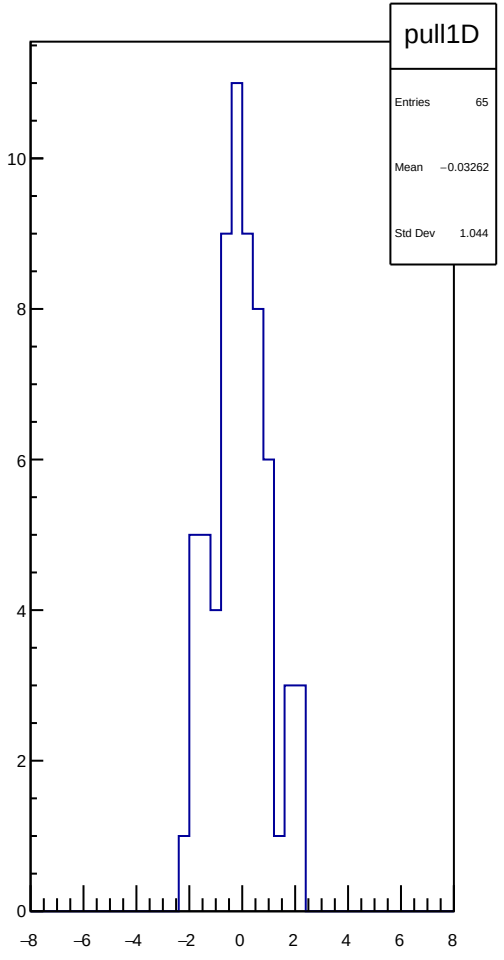

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3723 / 64
p0 2620 ± 2.288
3000
2800
2600
2400
2200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

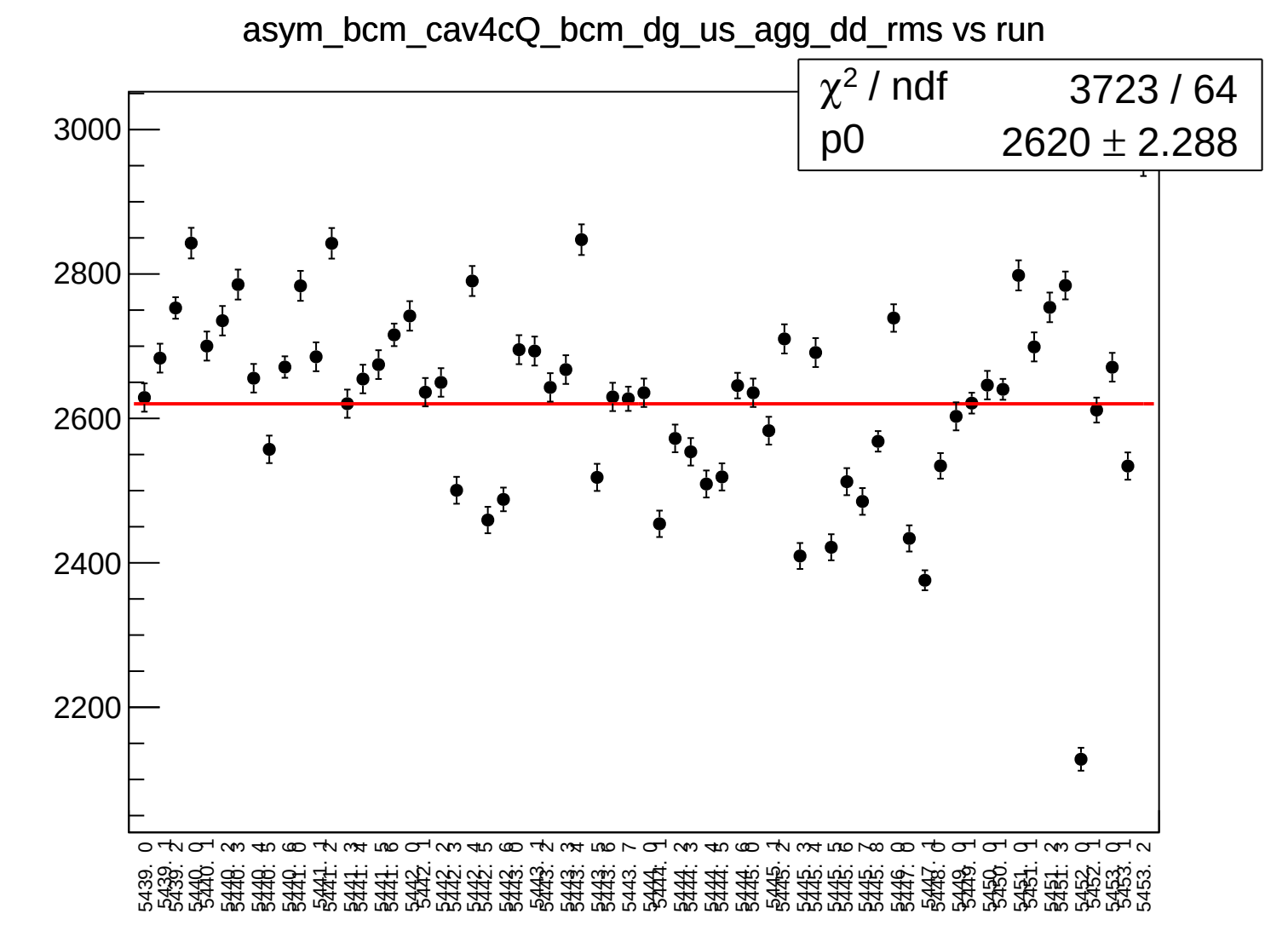

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 70.46 / 64
p0 −6553 ± 3254
×10³
pull
Entries 65
Mean −33.06
Std Dev 0

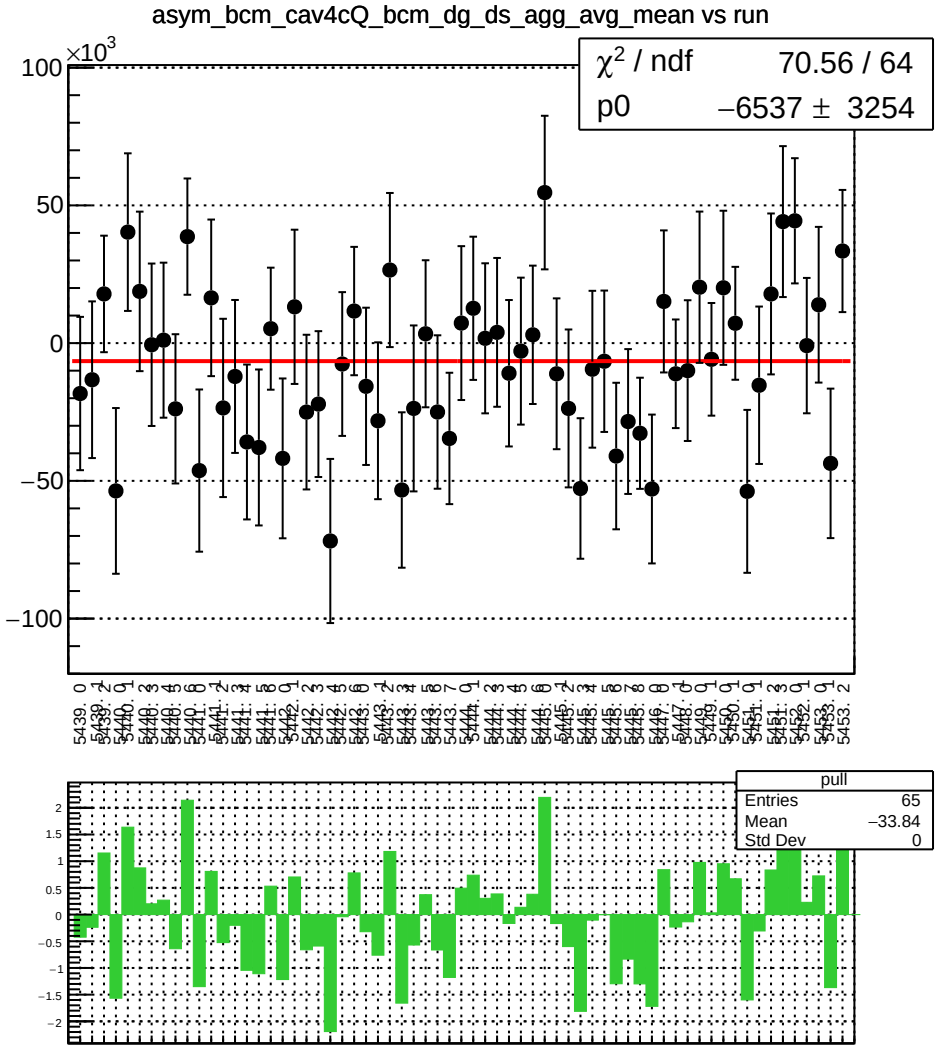

pull1D
Entries 65
Mean −0.03269
Std Dev 1.041

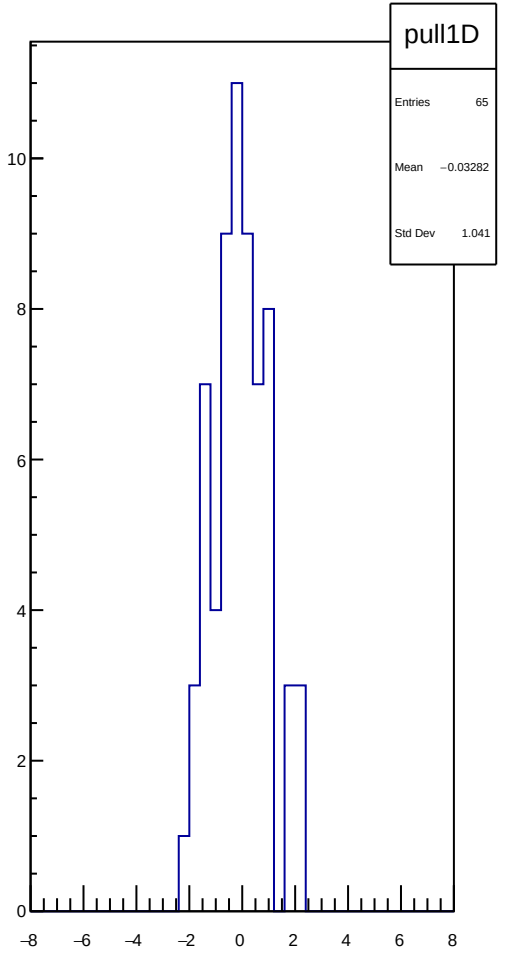

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 3824 / 64
p0 2635 ± 2.301
3000
2800
2600
2400
2200

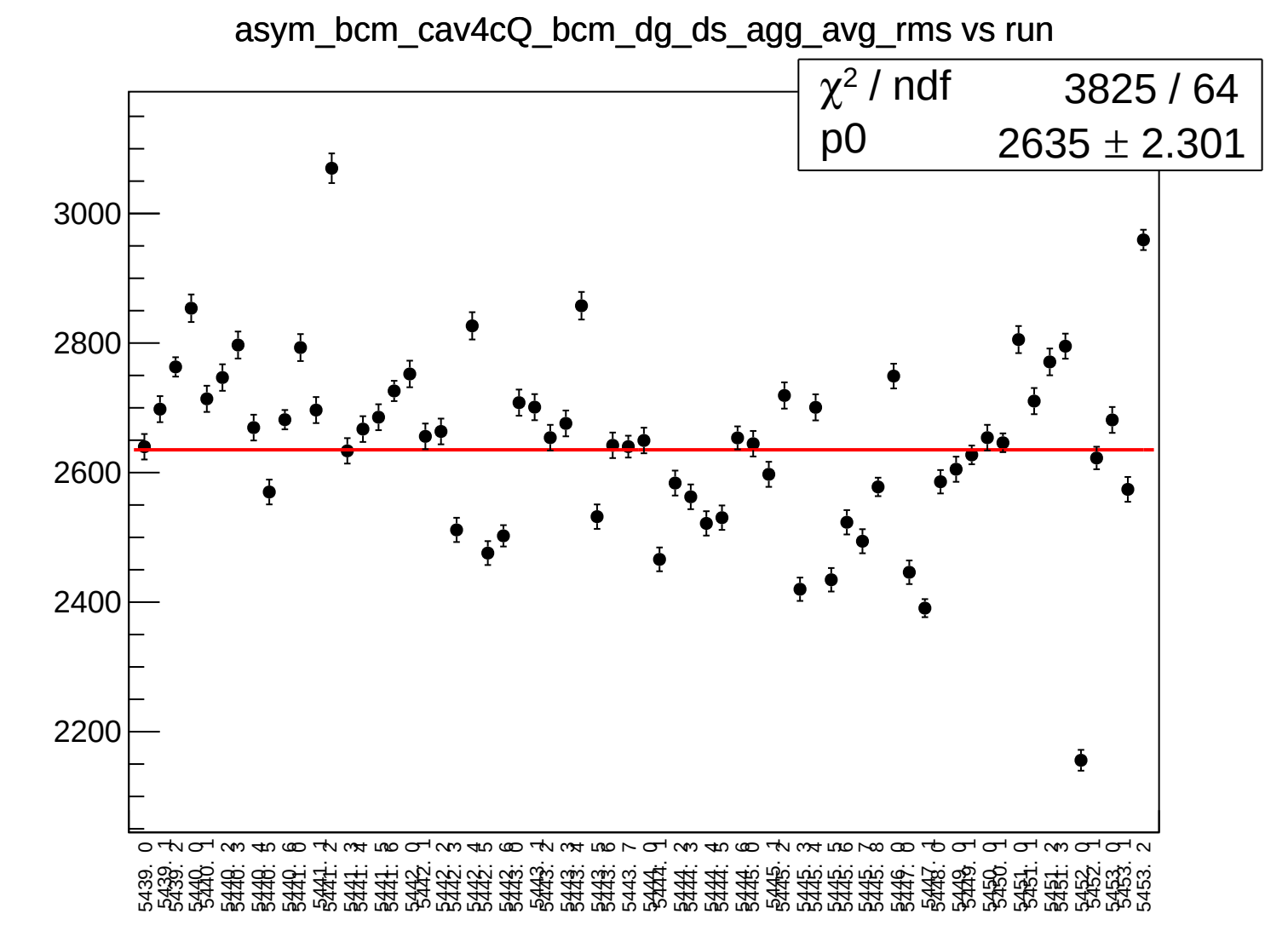

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
×10^3
χ² / ndf 70.88 / 64
p0 −6425 ± 3235
pull
Entries 65
Mean −33.77
Std Dev 0

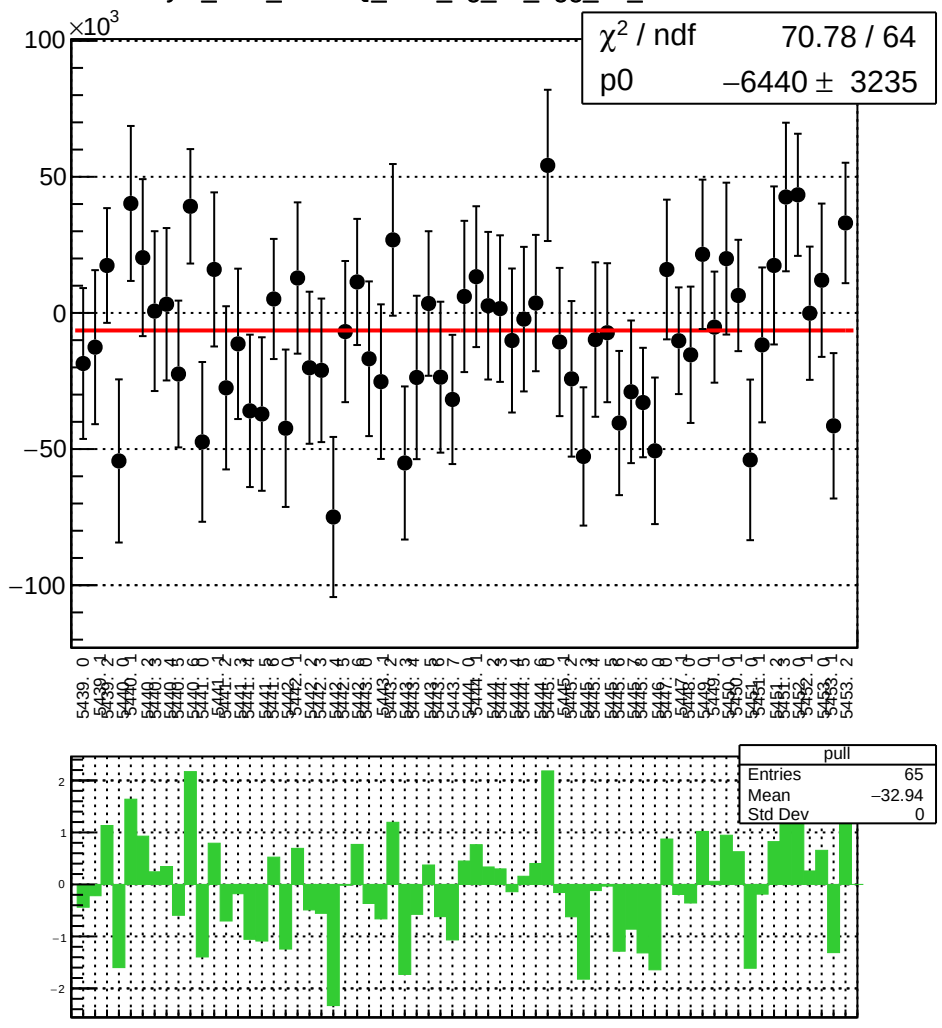

pull1D
Entries 65
Mean −0.03262
Std Dev 1.044

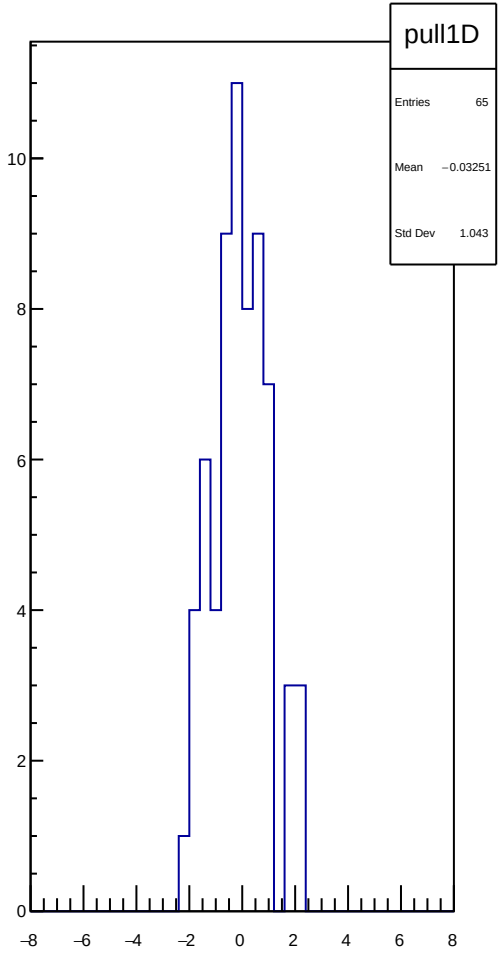

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 3723 / 64
p0 2620 ± 2.288
3000
2800
2600
2400
2200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

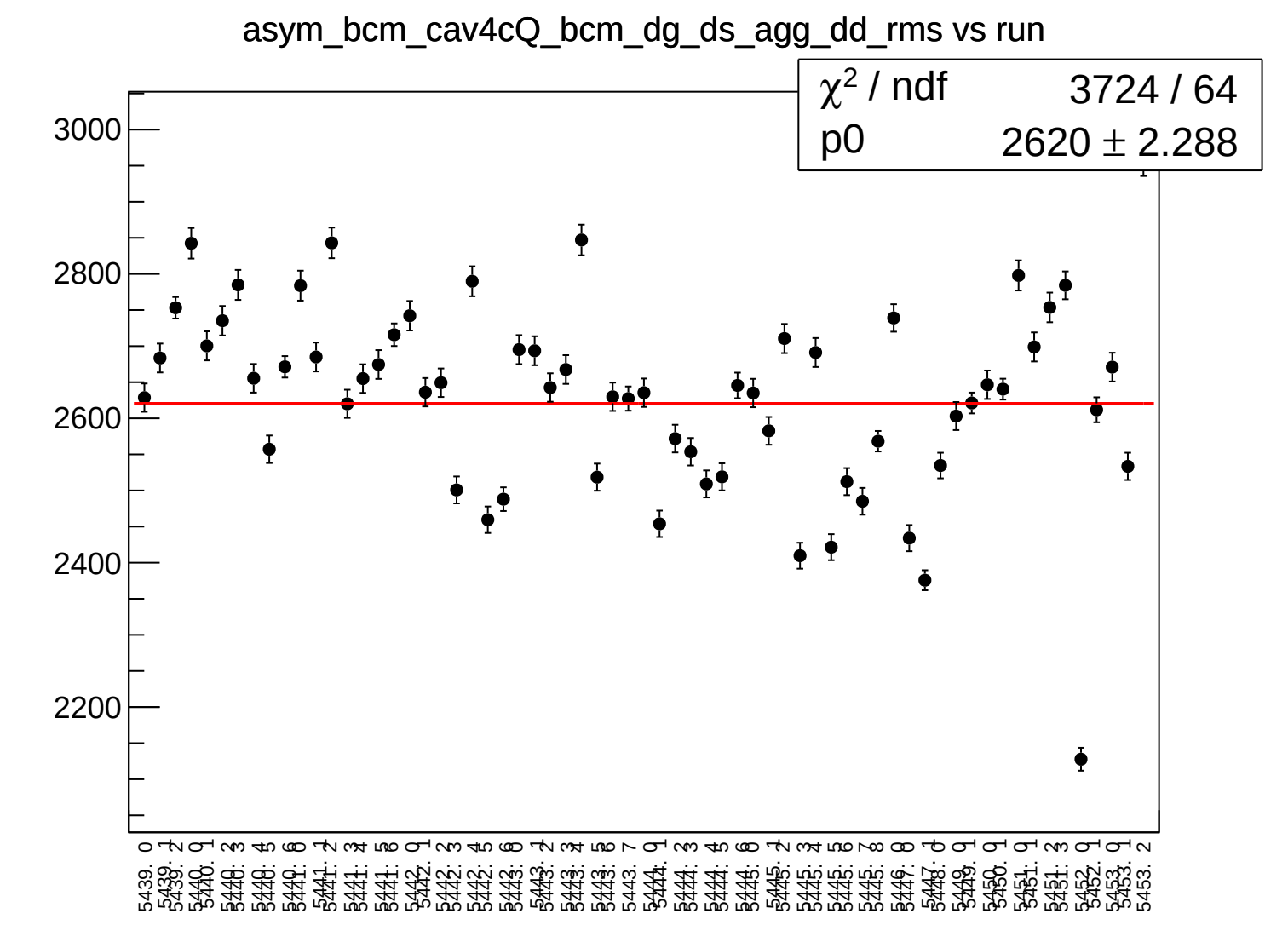

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 70.56 / 64
p0 −6537 ± 3254
×10³
100
50
0
−50
−100
pull
Entries 65
Mean −33.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

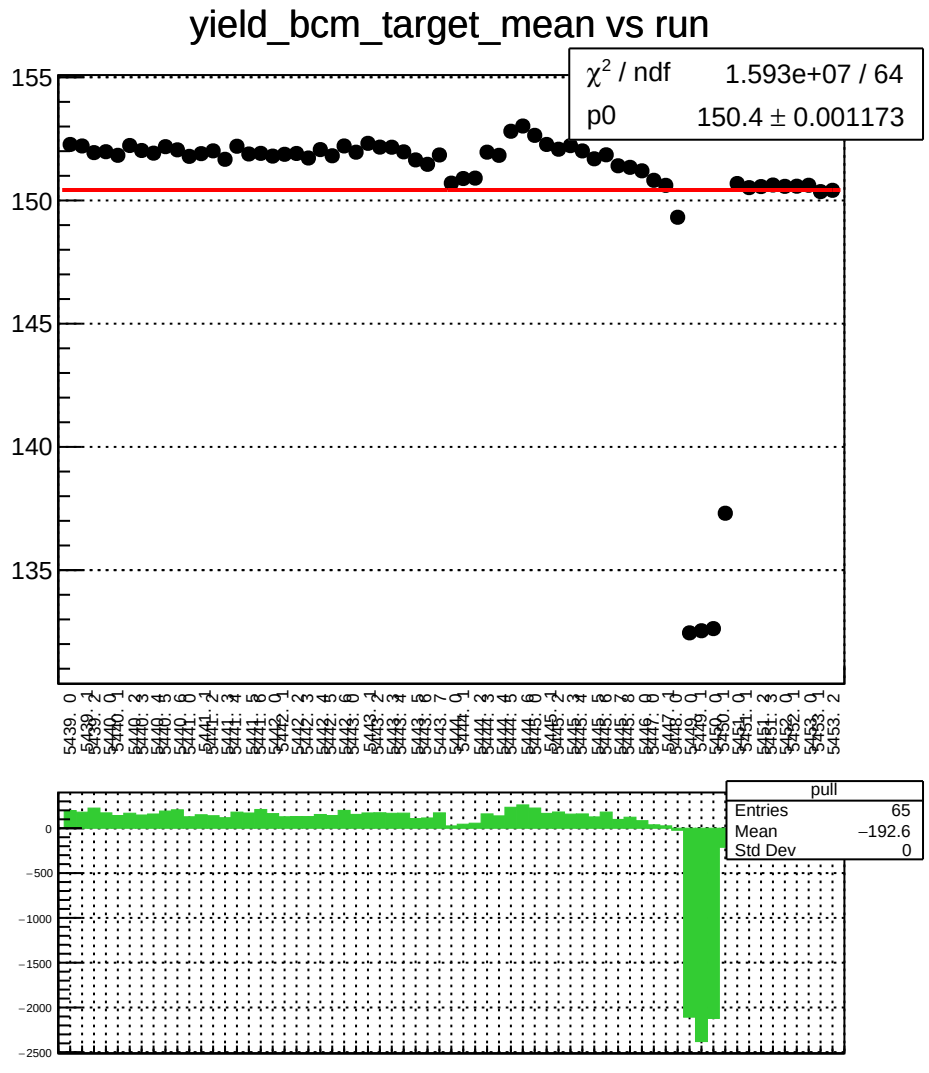

pull1D
Entries 65
Mean −0.03282
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

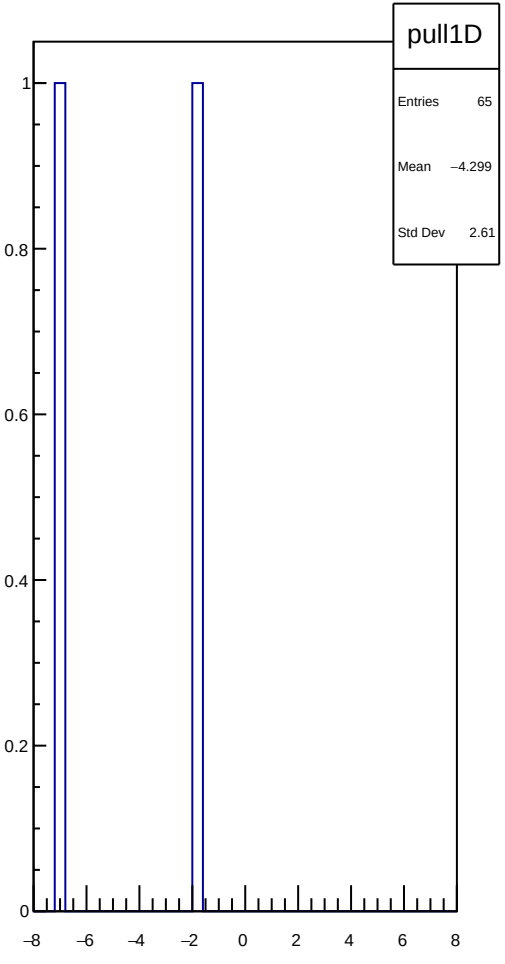

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3825 / 64
p0 2635 ± 2.301
3000
2800
2600
2400
2200

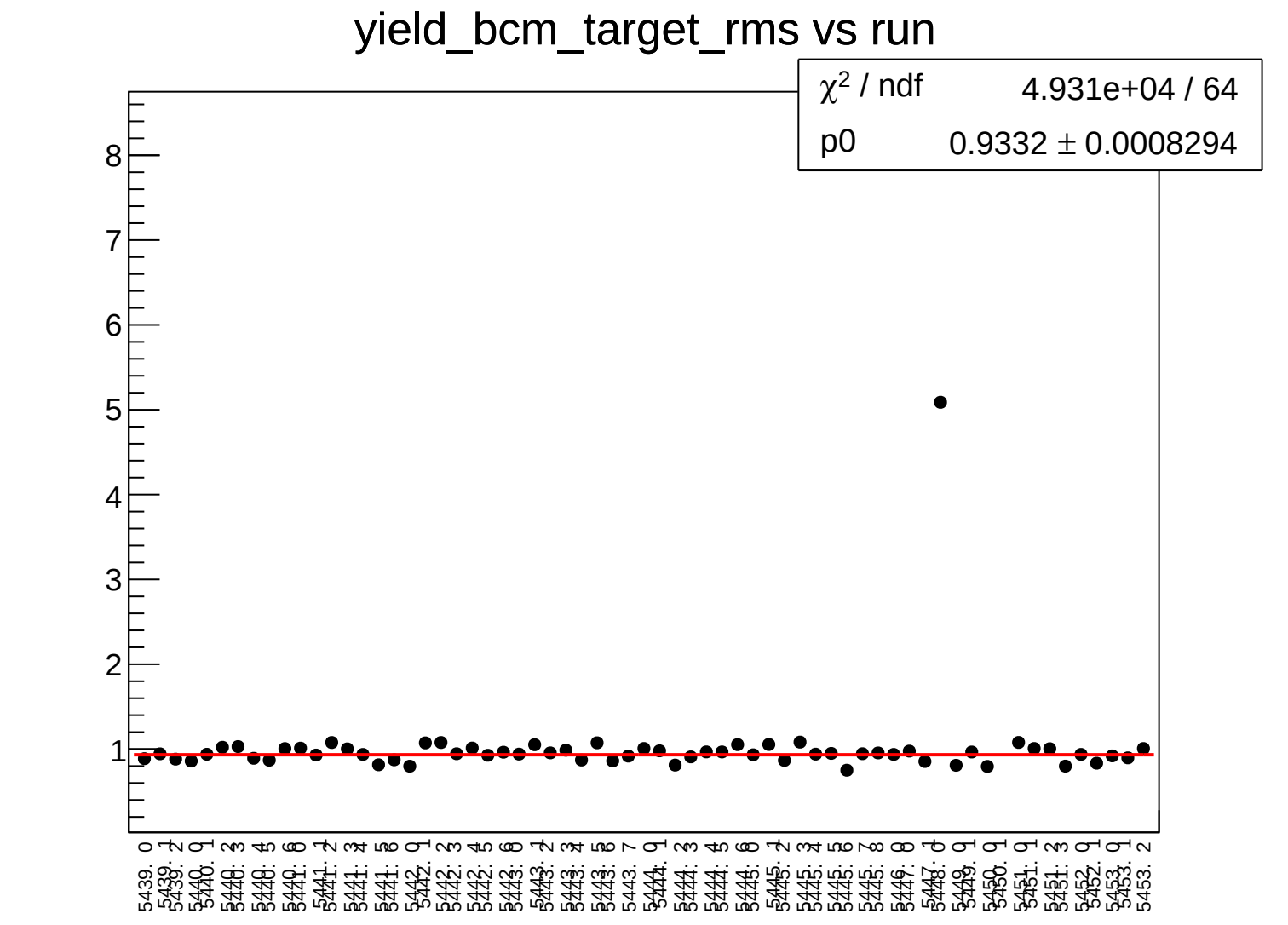

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
×10^3
χ² / ndf 70.78 / 64
p0 −6440 ± 3235
pull
Entries 65
Mean −32.94
Std Dev 0

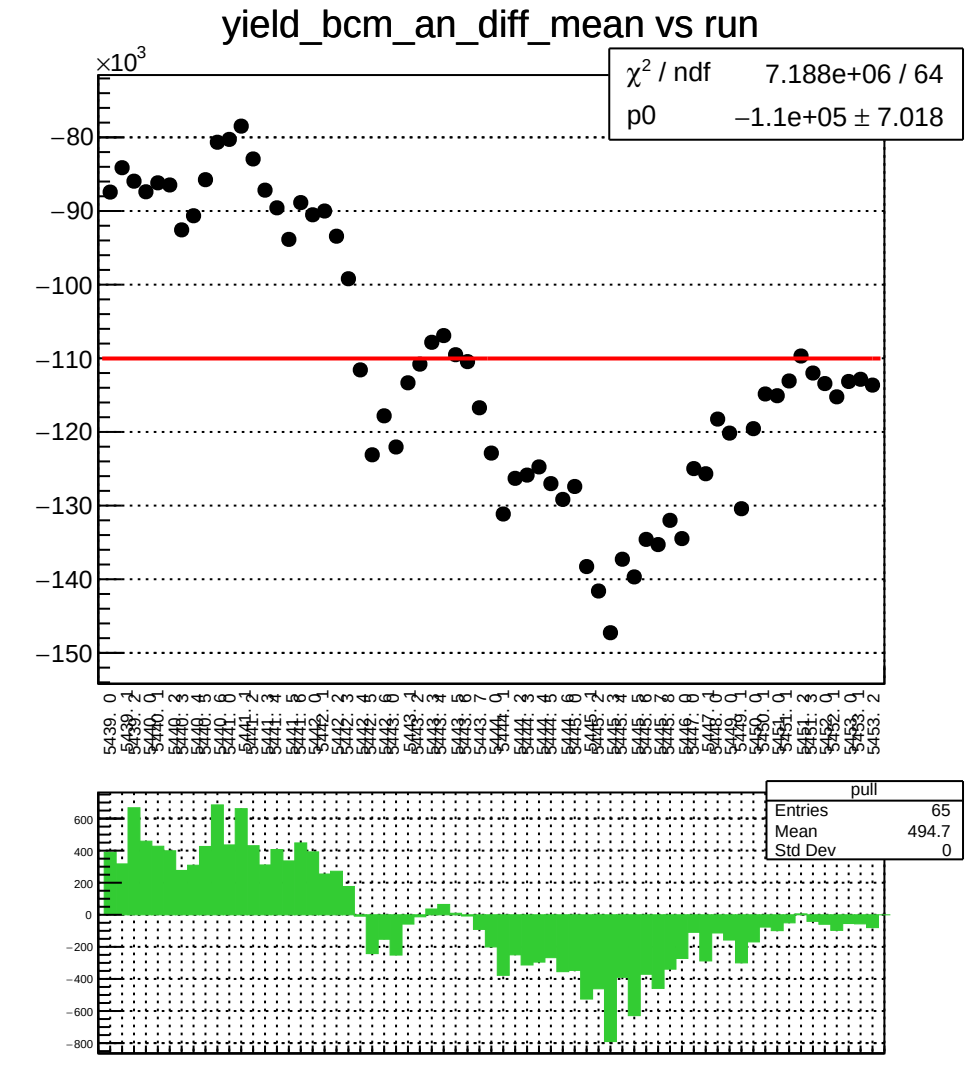

pull1D
Entries 65
Mean −0.03251
Std Dev 1.043

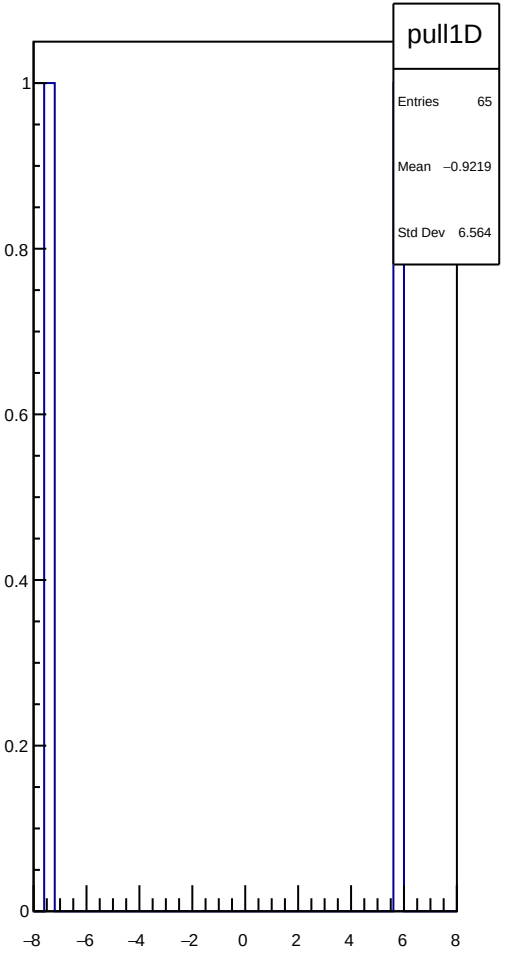

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3724 / 64
p0 2620 ± 2.288
3000
2800
2600
2400
2200

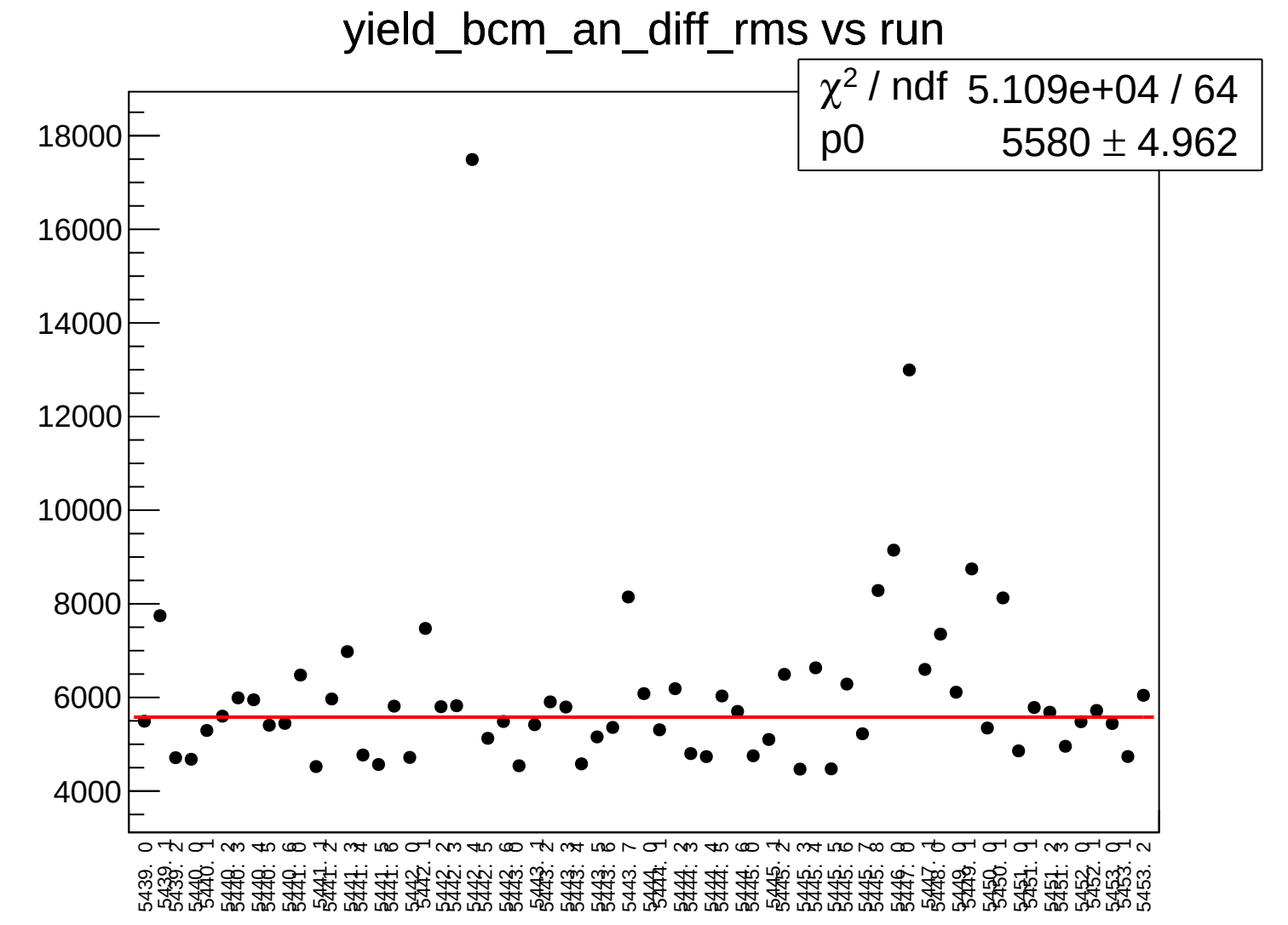

yield_bcm_target_mean vs run
χ² / ndf 1.593e+07 / 64
p0 150.4 ± 0.001173
155
150
145
140
135
pull
Entries 65
Mean −192.6
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

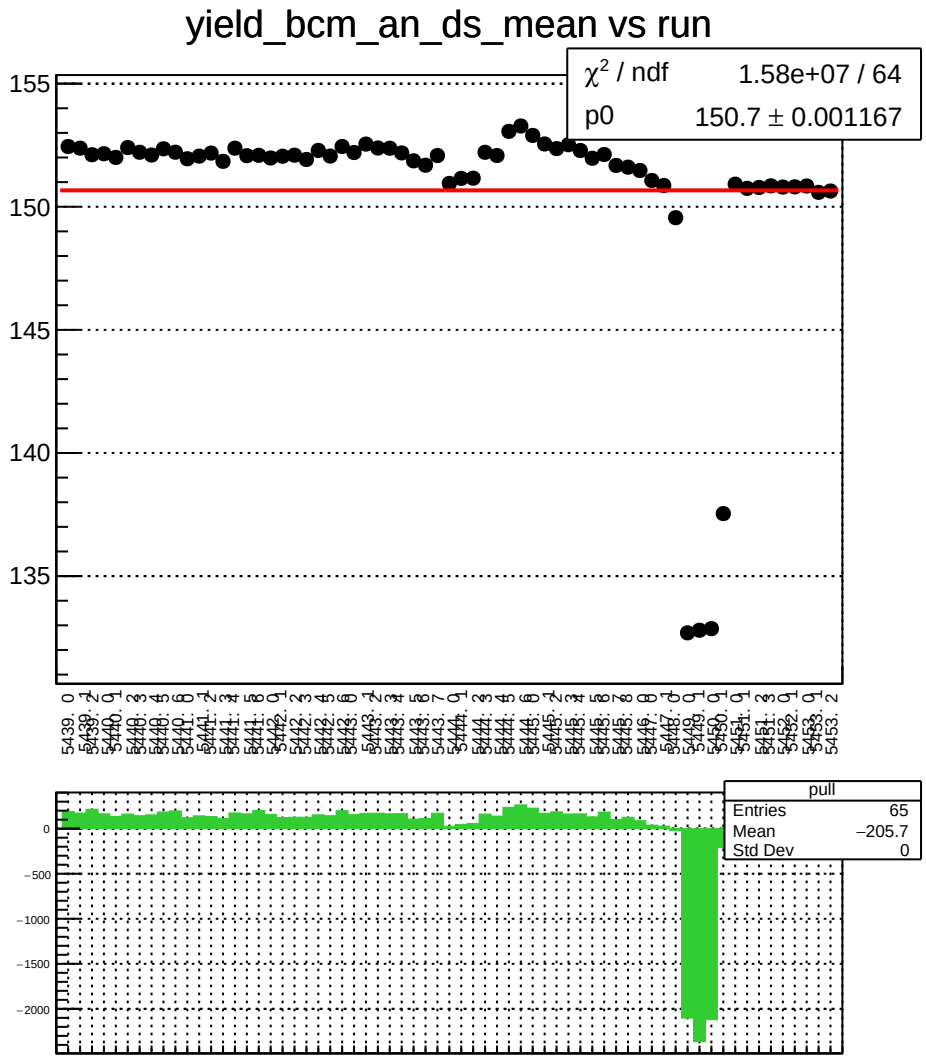

pull1D
Entries 65
Mean −4.299
Std Dev 2.61
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

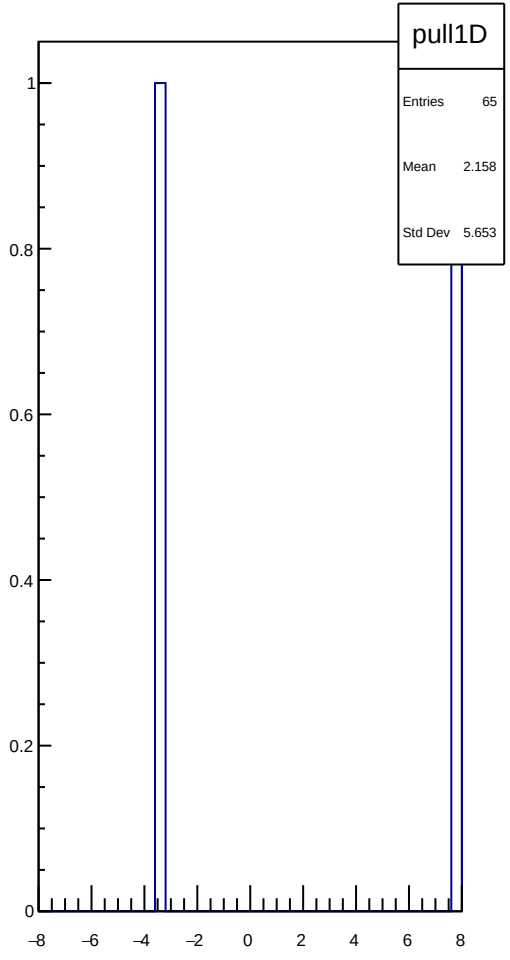

yield_bcm_target_rms vs run
χ² / ndf 4.931e+04 / 64
p0 0.9332 ± 0.0008294
8
7
6
5
4
3
2
1

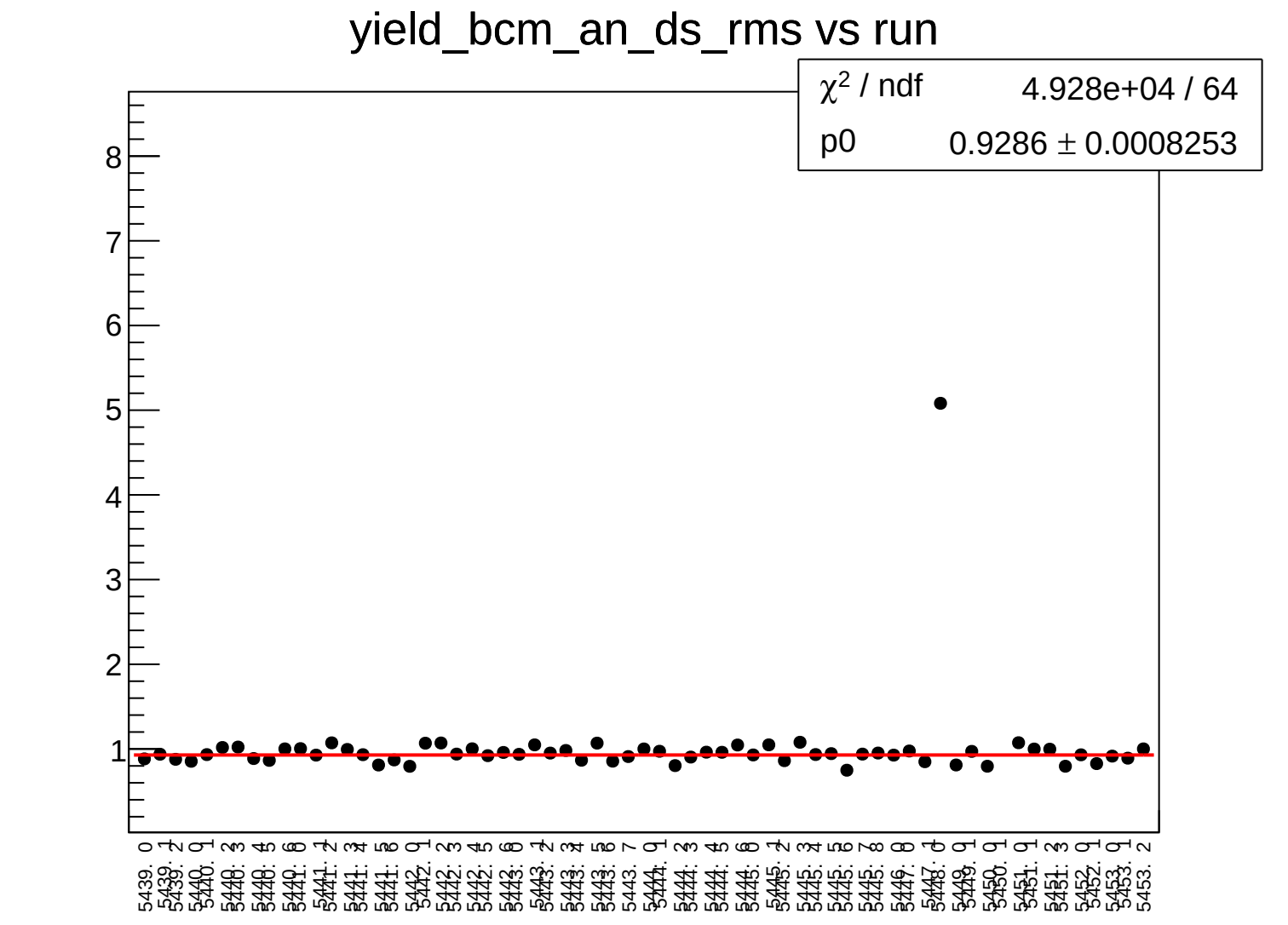

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 7.188e+06 / 64
p0 −1.1e+05 ± 7.018
−80
−90
−100
−110
−120
−130
−140
−150
pull
Entries 65
Mean 494.7
Std Dev 0
600
400
200
0
−200
−400
−600
−800

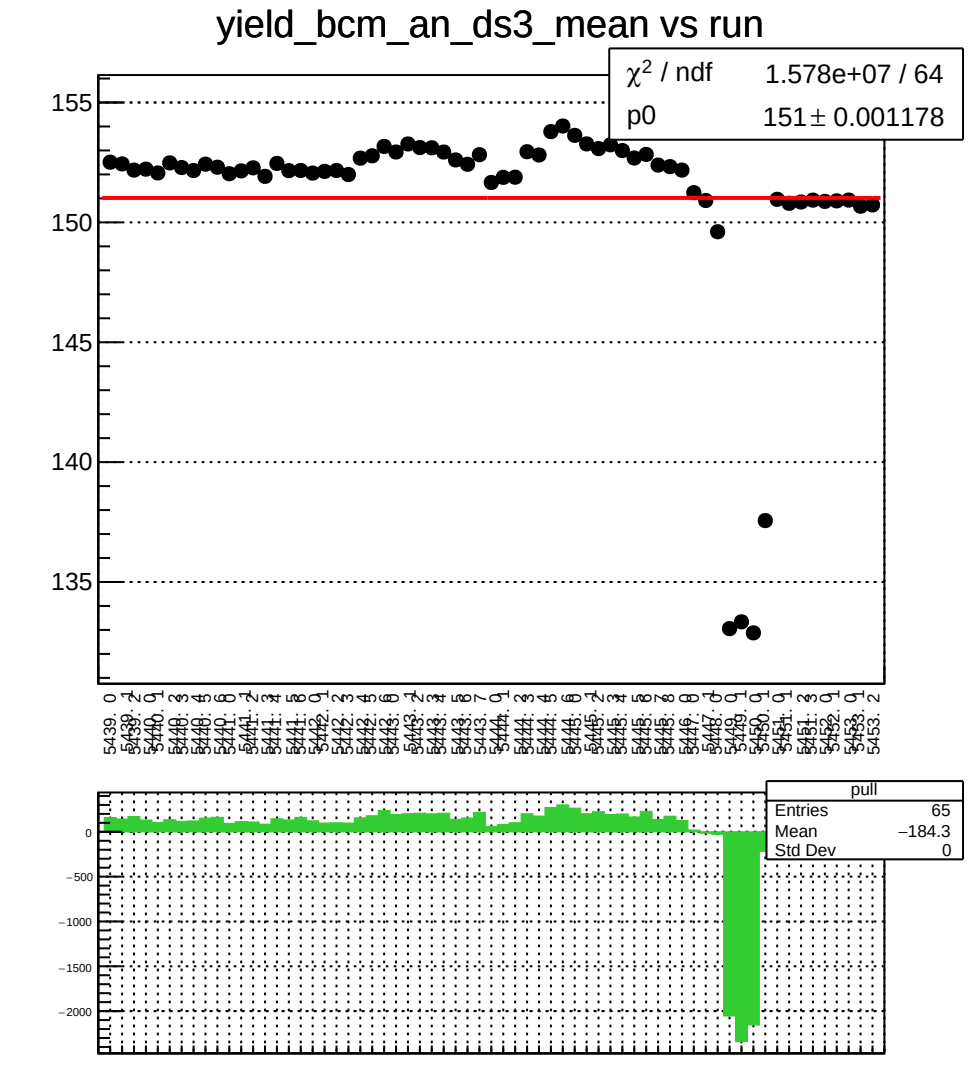

pull1D
Entries 65
Mean −0.9219
Std Dev 6.564
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

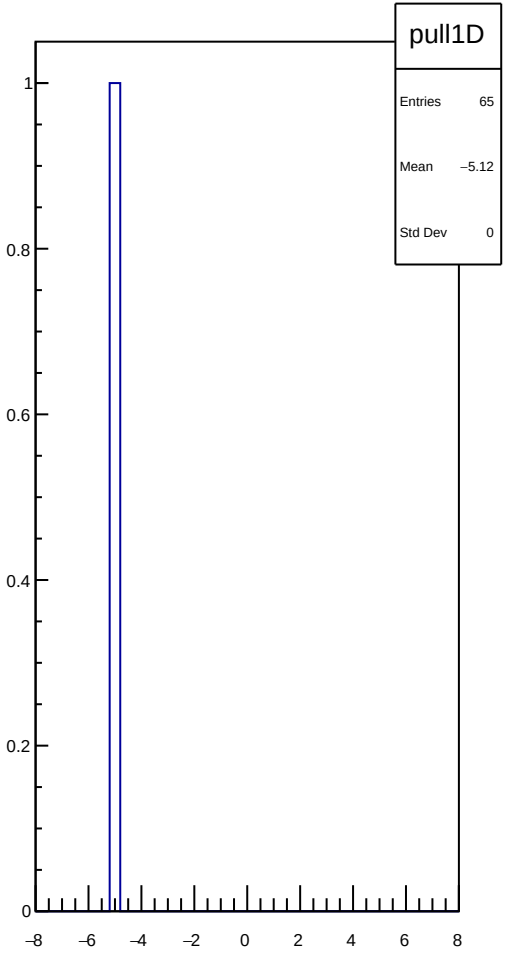

yield_bcm_an_diff_rms vs run
χ² / ndf 5.109e+04 / 64
p0 5580 ± 4.962
18000
16000
14000
12000
10000
8000
6000
4000

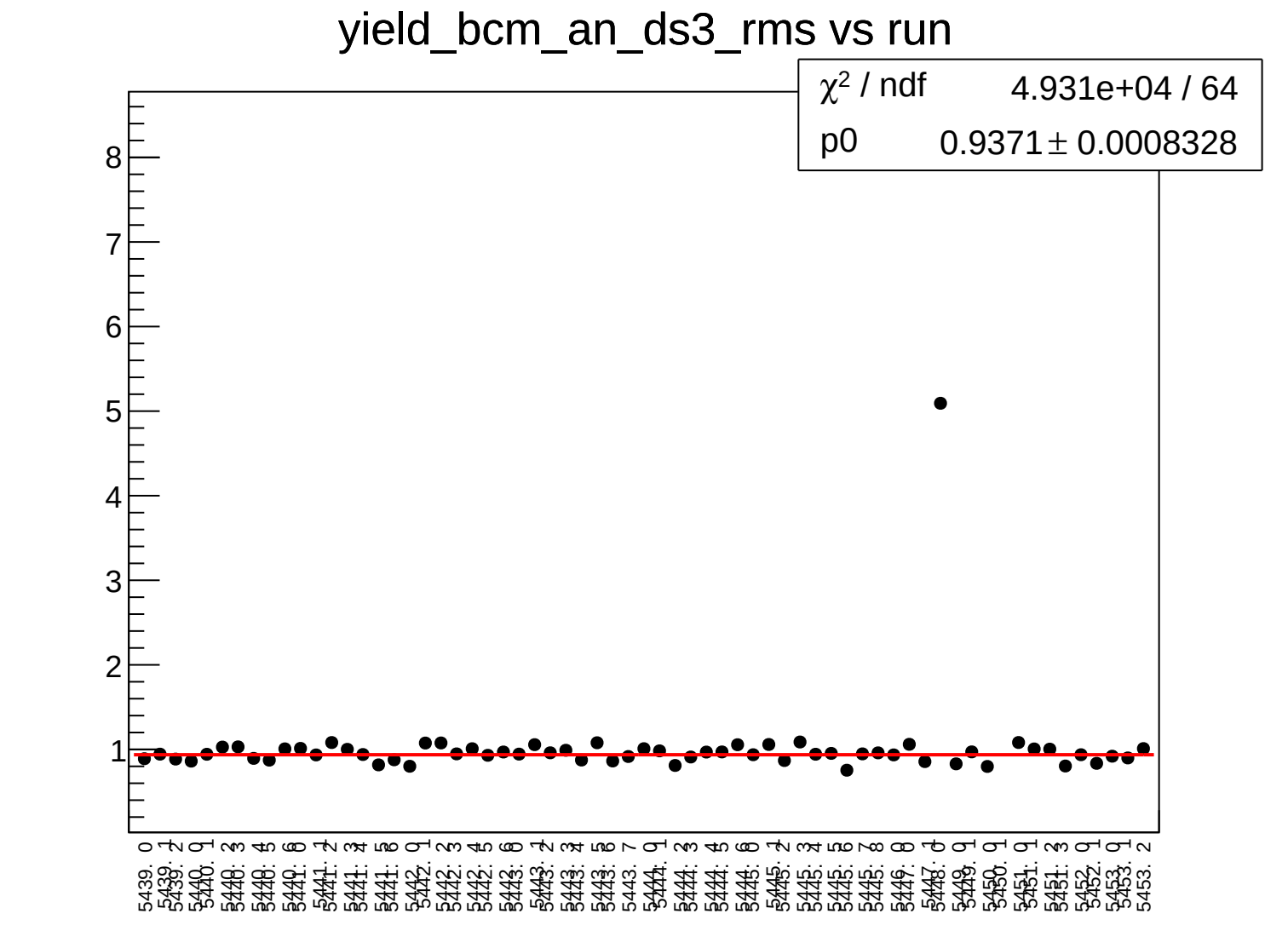

yield_bcm_an_ds_mean vs run
χ² / ndf 1.58e+07 / 64
p0 150.7 ± 0.001167
155
150
145
140
135
pull
Entries 65
Mean −205.7
Std Dev 0
0
−500
−1000
−1500
−2000

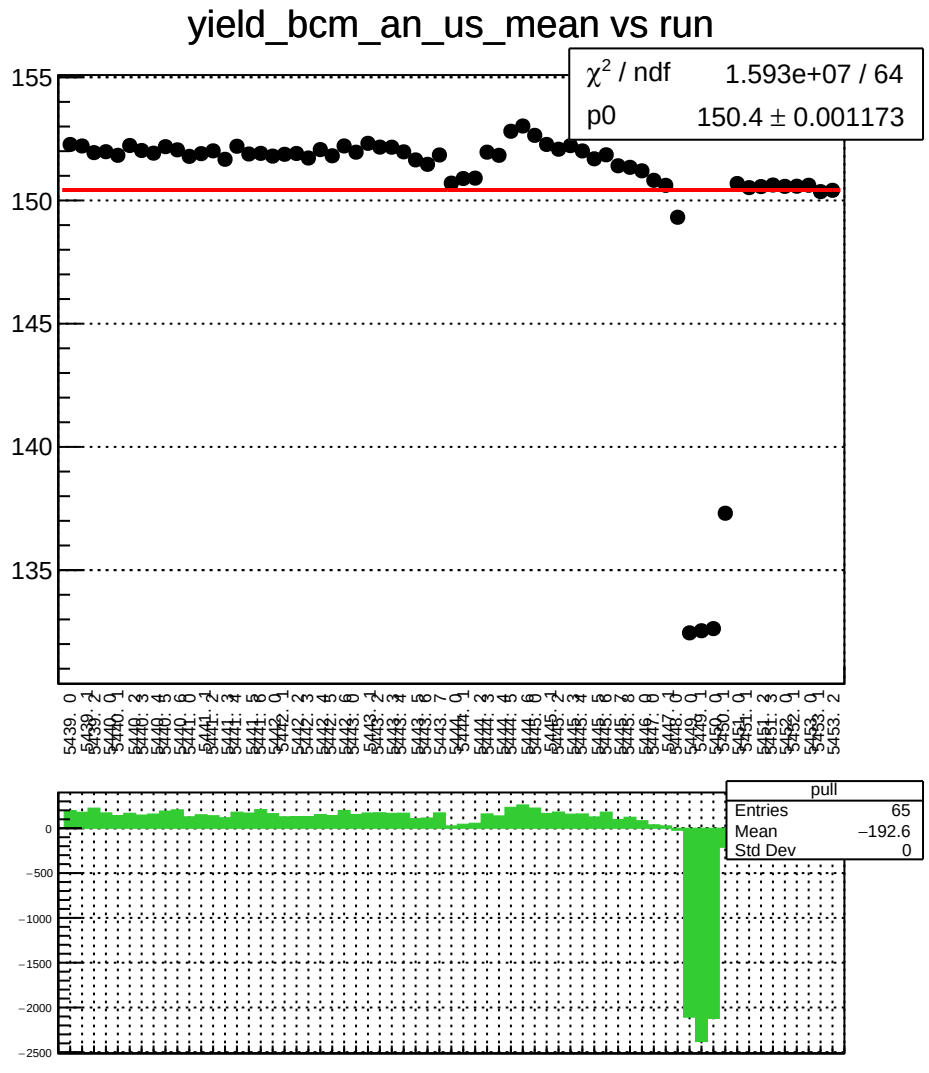

pull1D
Entries 65
Mean 2.158
Std Dev 5.653
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

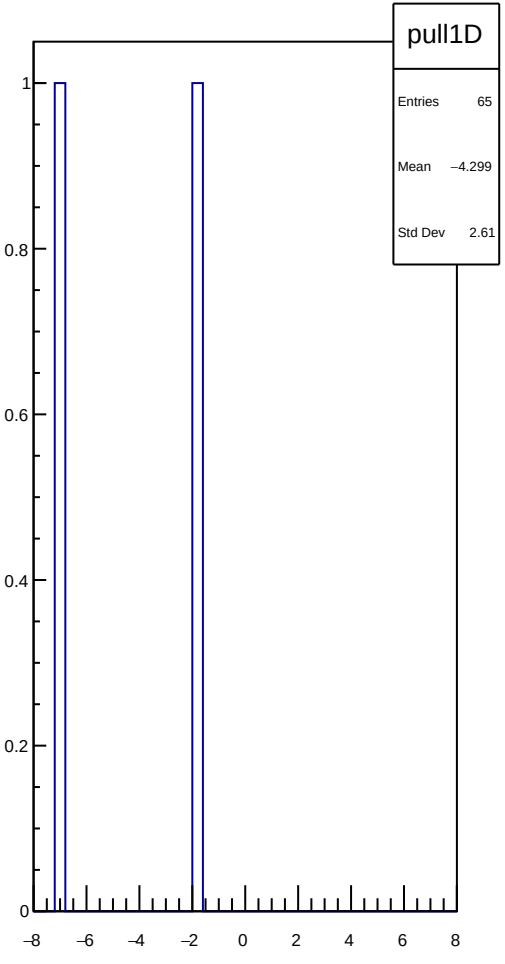

yield_bcm_an_ds_rms vs run
χ² / ndf 4.928e+04 / 64
p0 0.9286 ± 0.0008253
8
7
6
5
4
3
2
1

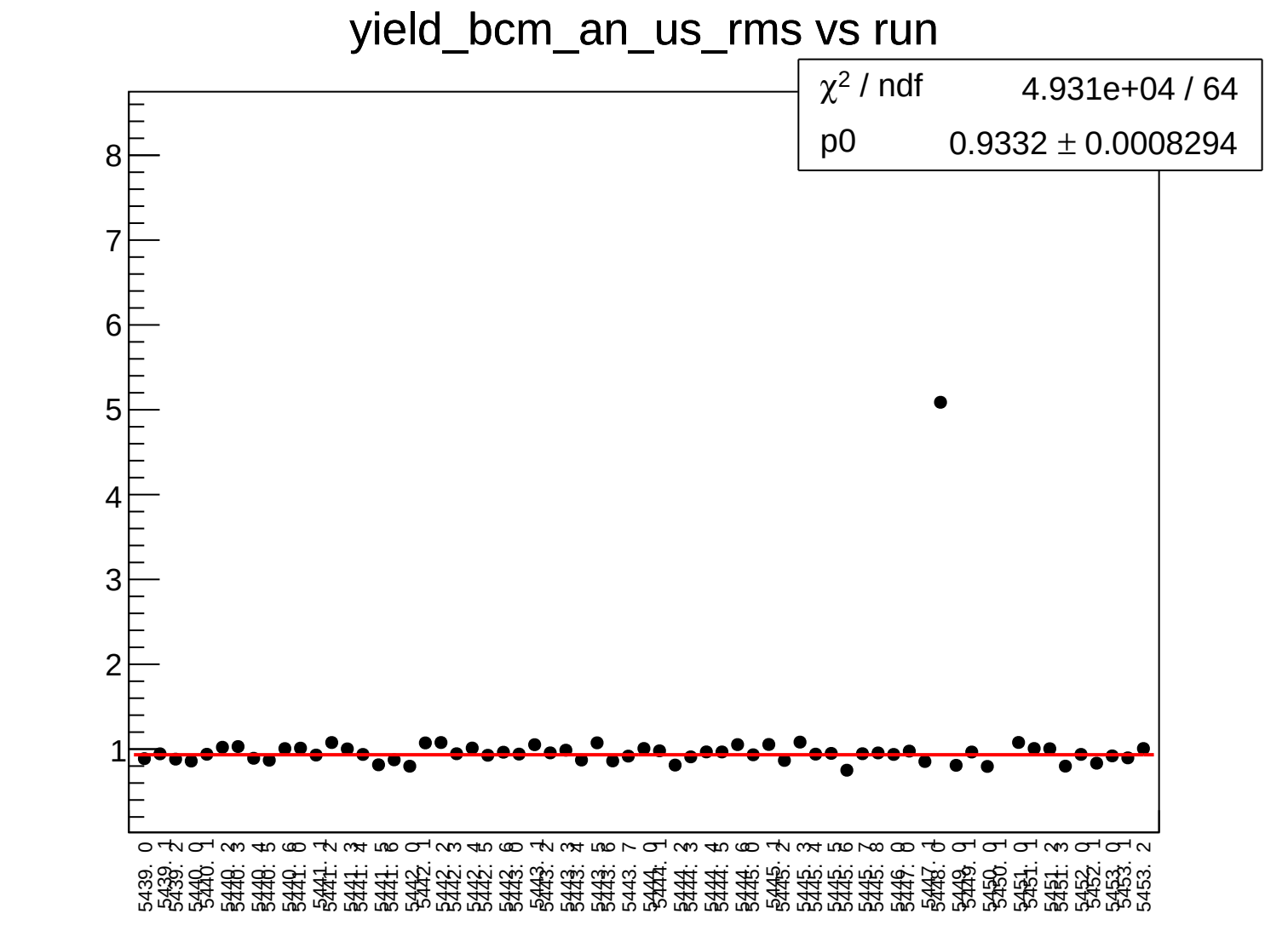

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.578e+07 / 64
p0 151 ± 0.001178
155
150
145
140
135
pull
Entries 65
Mean −184.3
Std Dev 0
0
−500
−1000
−1500
−2000

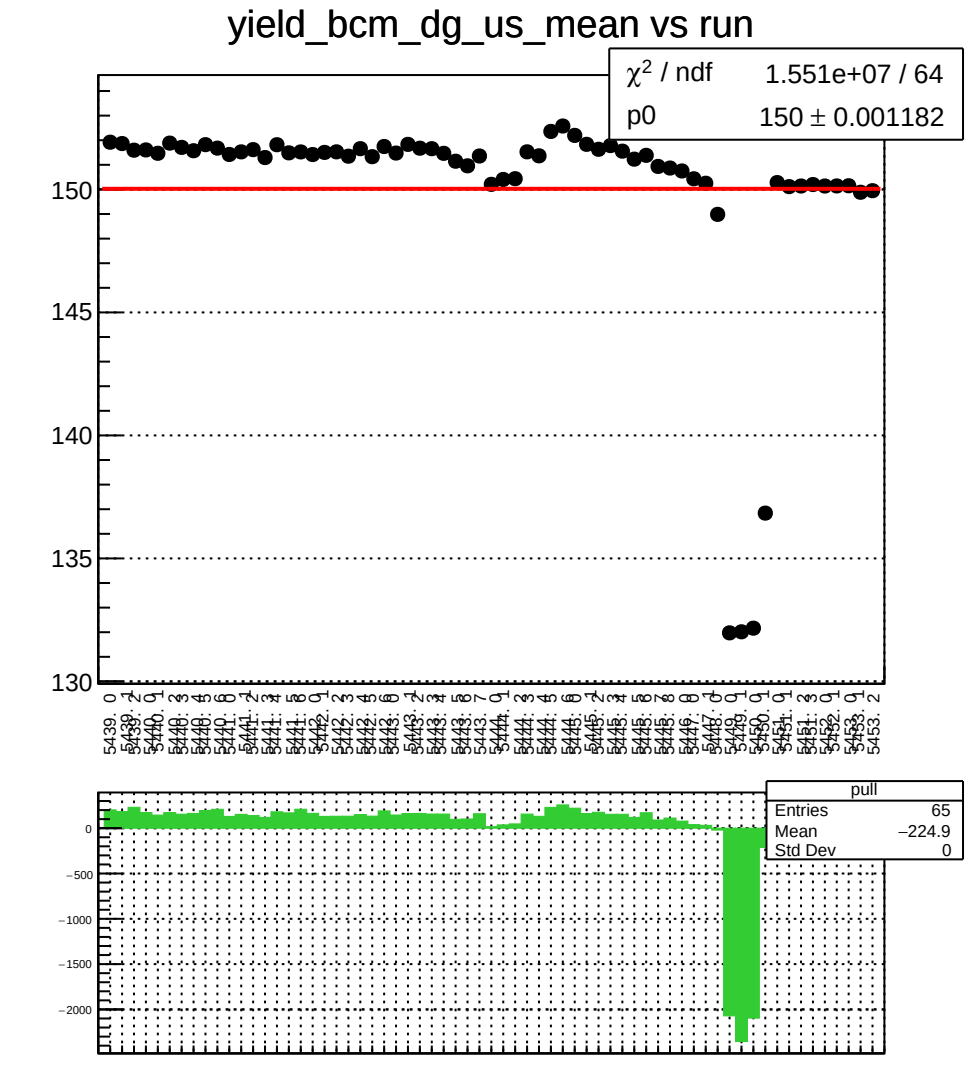

pull1D
Entries 65
Mean −5.12
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

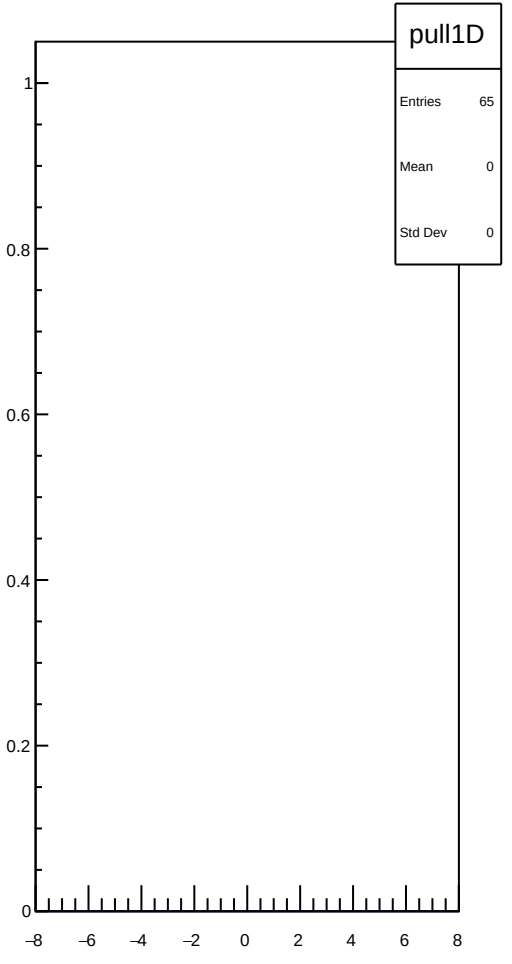

yield_bcm_an_ds3_rms vs run
χ² / ndf 4.931e+04 / 64
p0 0.9371 ± 0.0008328
8
7
6
5
4
3
2
1

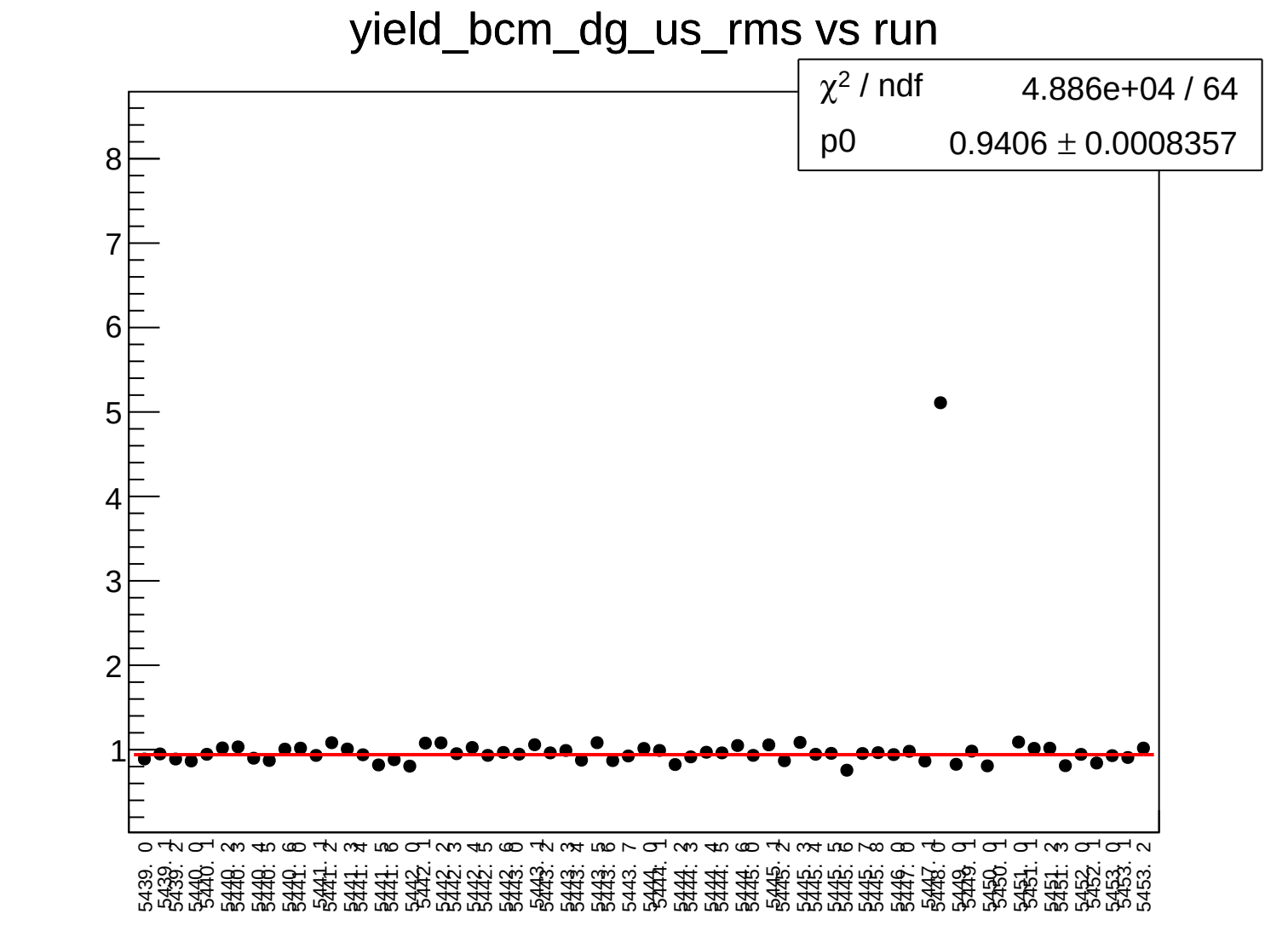

yield_bcm_an_us_mean vs run
χ² / ndf 1.593e+07 / 64
p0 150.4 ± 0.001173
155
150
145
140
135
pull
Entries 65
Mean −192.6
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

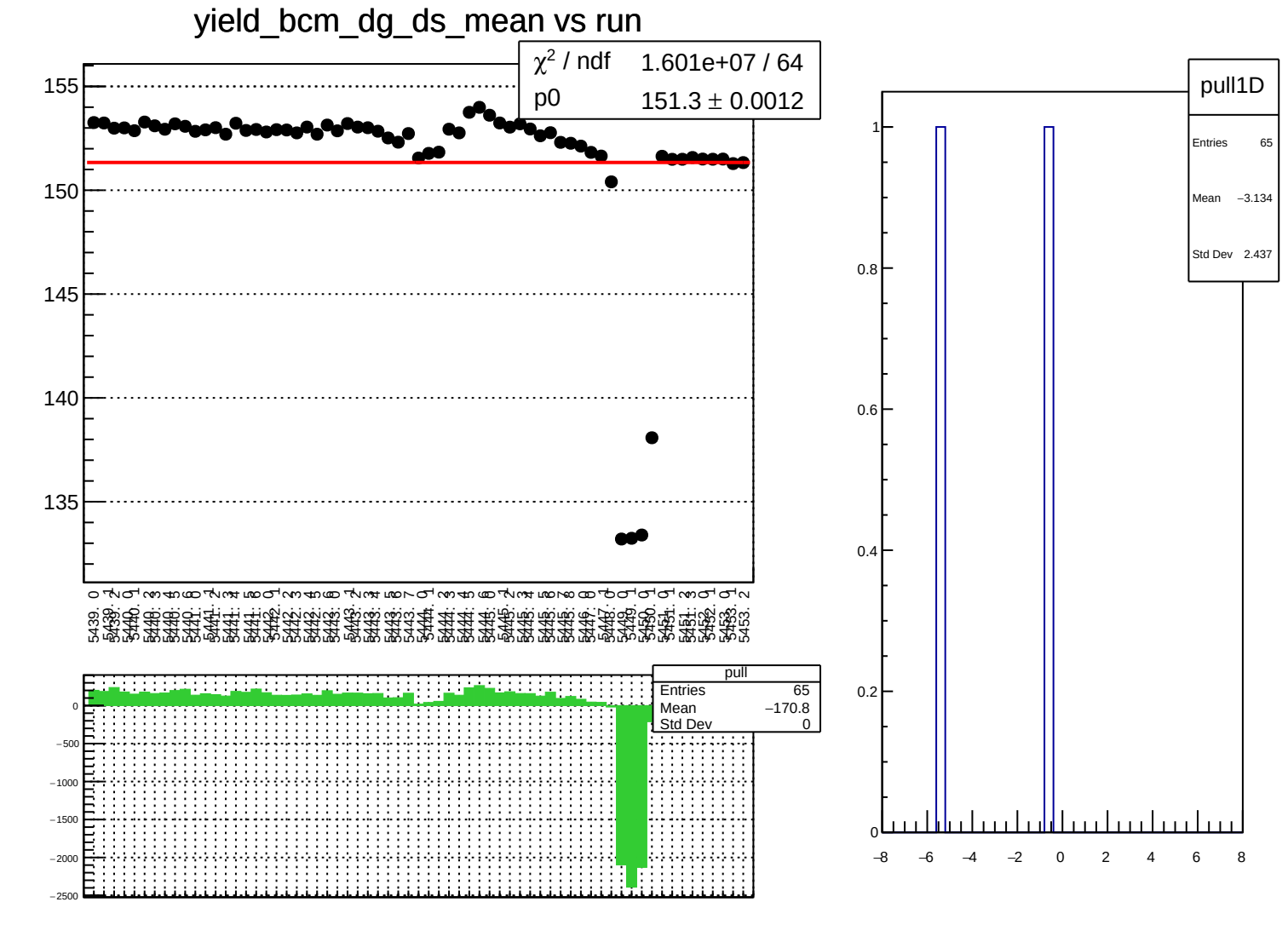

pull1D
Entries 65
Mean −4.299
Std Dev 2.61
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

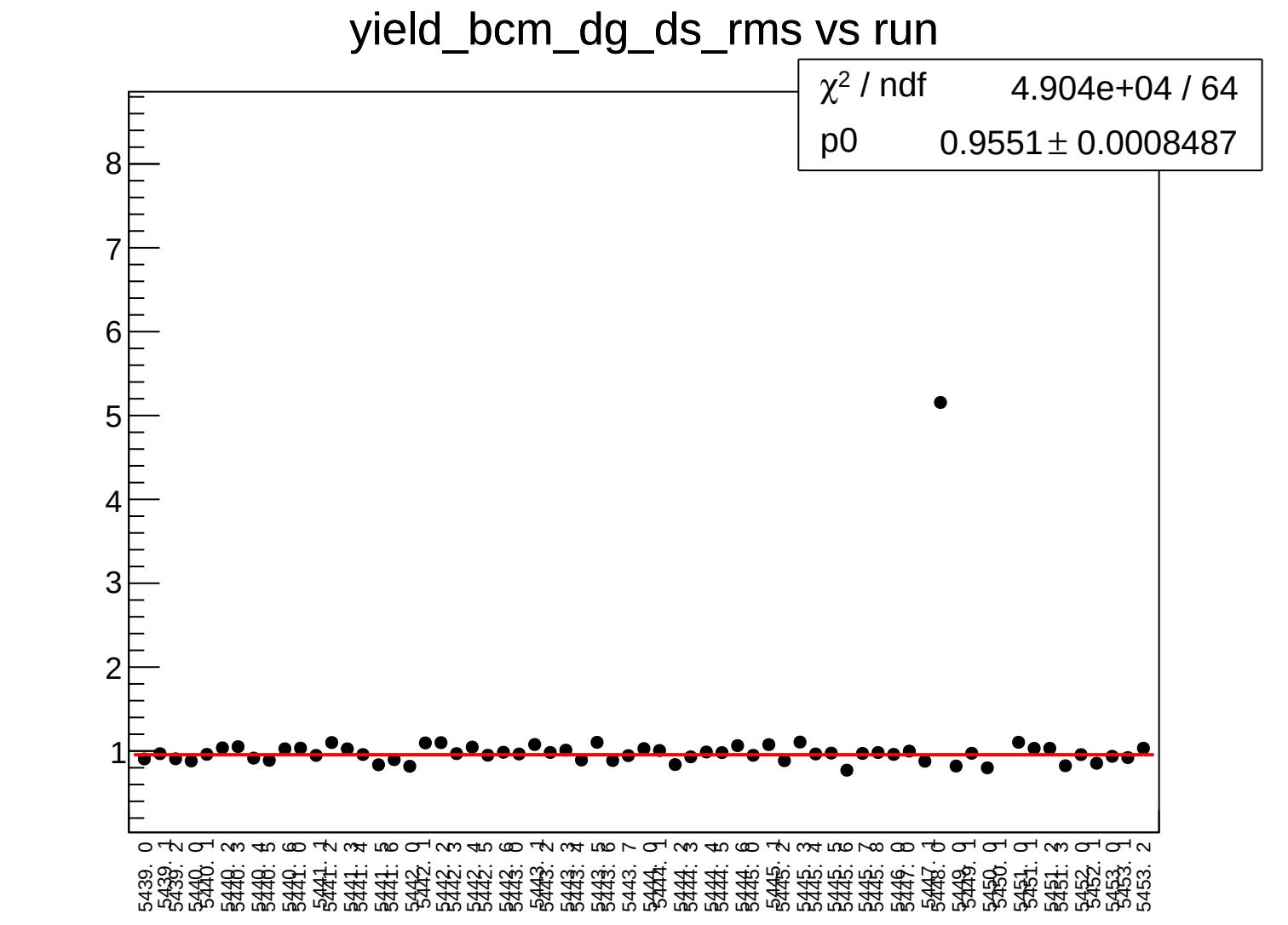

yield_bcm_an_us_rms vs run
χ² / ndf 4.931e+04 / 64
p0 0.9332 ± 0.0008294
8
7
6
5
4
3
2
1

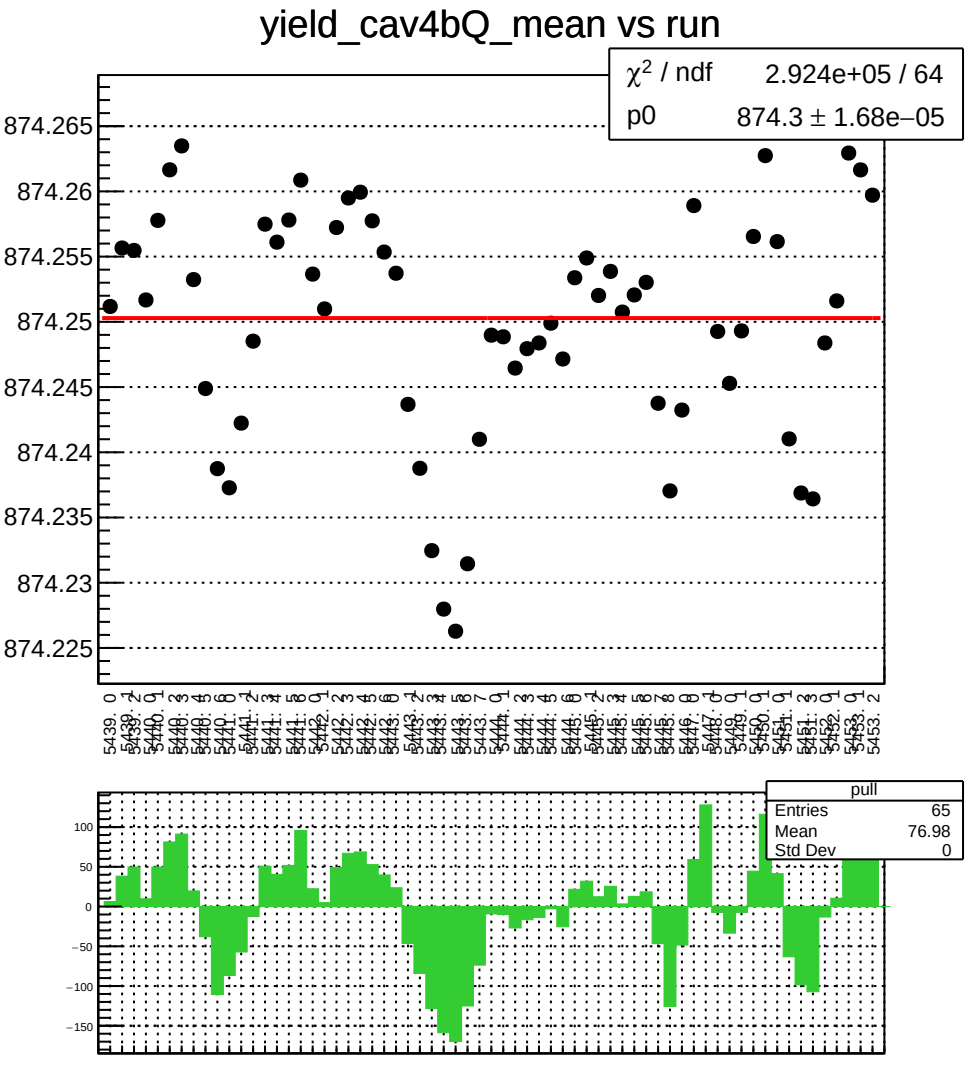

yield_bcm_dg_us_mean vs run
χ² / ndf 1.551e+07 / 64
p0 150 ± 0.001182
150
145
140
135
130
pull
Entries 65
Mean −224.9
Std Dev 0
0
−500
−1000
−1500
−2000

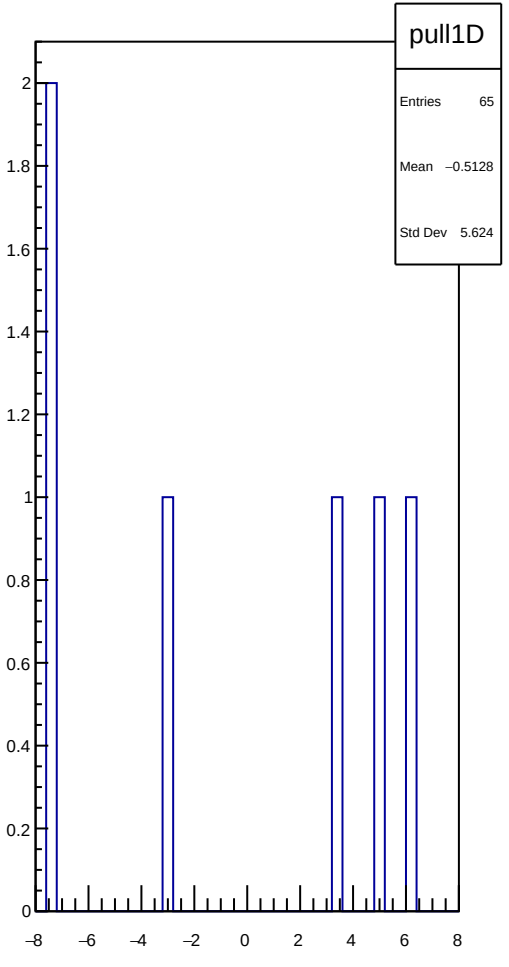

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

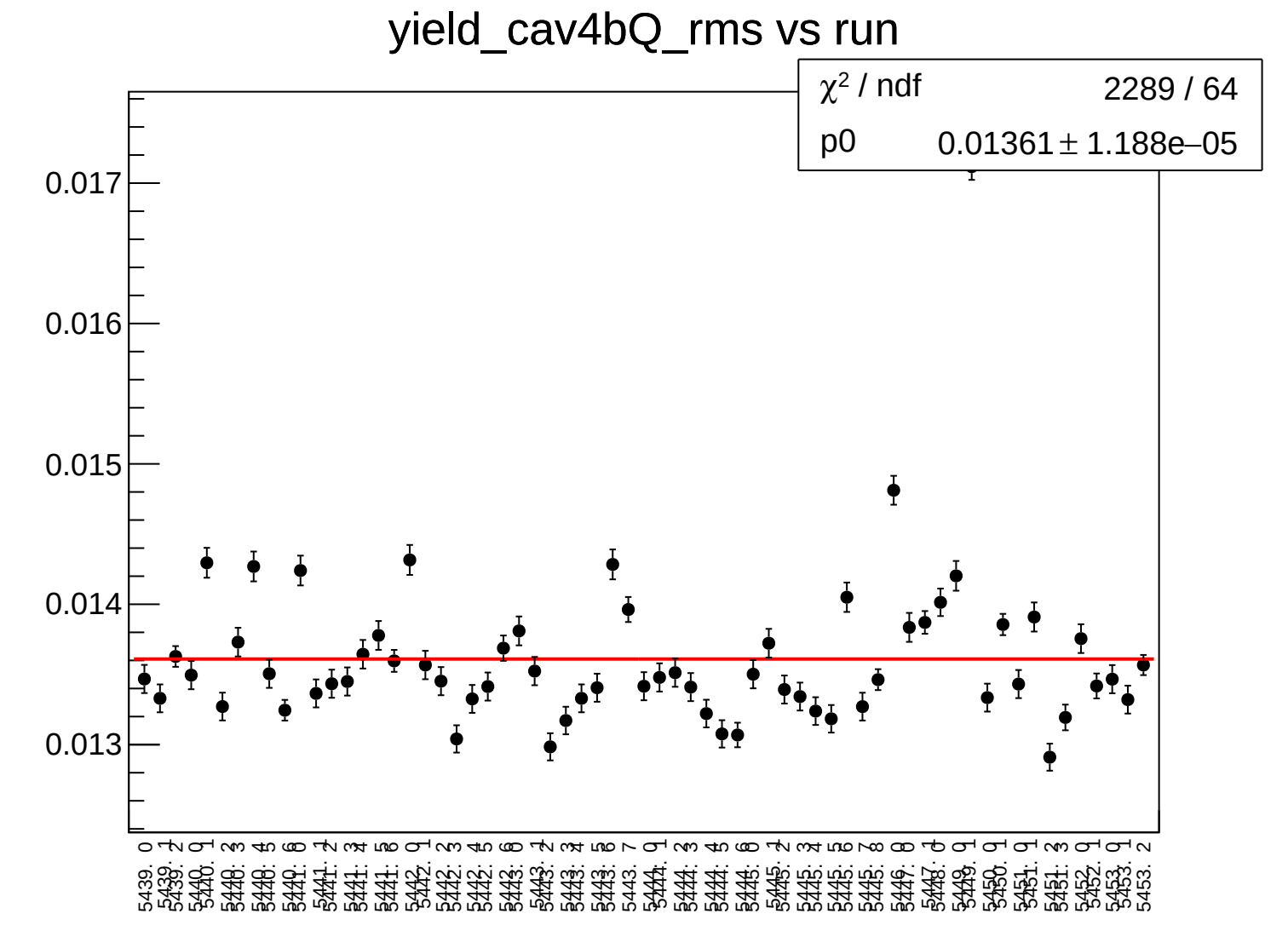

yield_bcm_dg_us_rms vs run
χ² / ndf 4.886e+04 / 64
p0 0.9406 ± 0.0008357
8
7
6
5
4
3
2
1

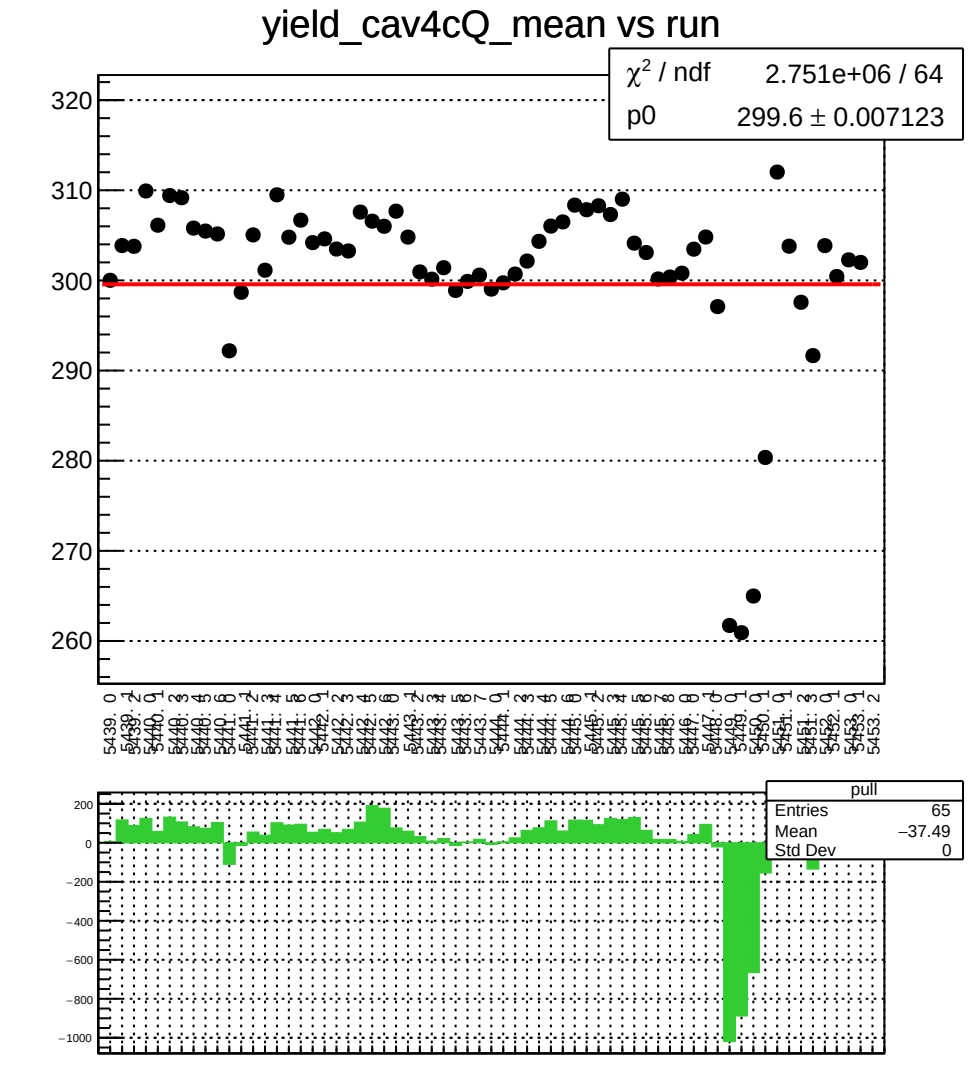

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.601e+07 / 64
p0 151.3 ± 0.0012
155
150
145
140
135
pull
Entries 65
Mean −170.8
Std Dev 0
0
−500
−1000
−1500
−2000
−2500
pull1D
Entries 65
Mean −3.134
Std Dev 2.437
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

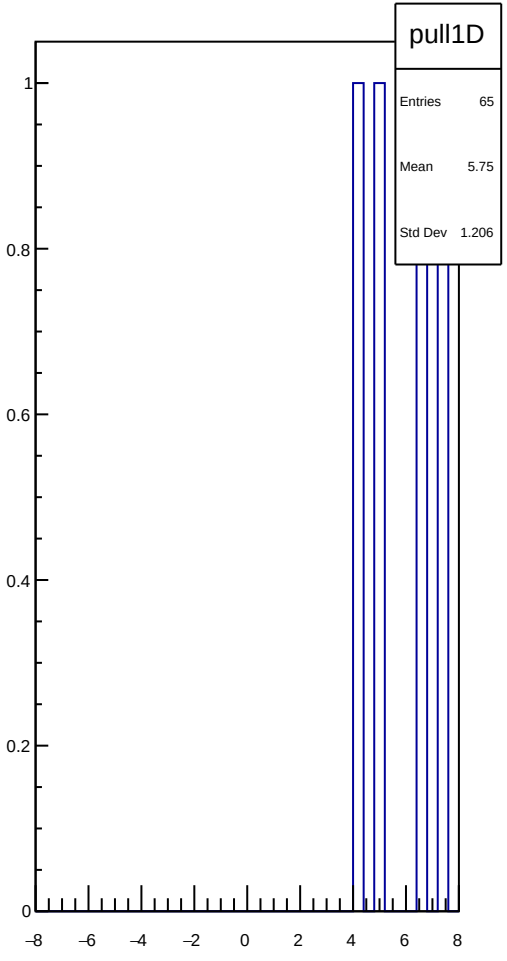

yield_bcm_dg_ds_rms vs run
χ² / ndf 4.904e+04 / 64
p0 0.9551 ± 0.0008487
8
7
6
5
4
3
2
1
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5448. 0
5449. 0
5449. 1
5450. 0
5451. 0
5451. 1
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

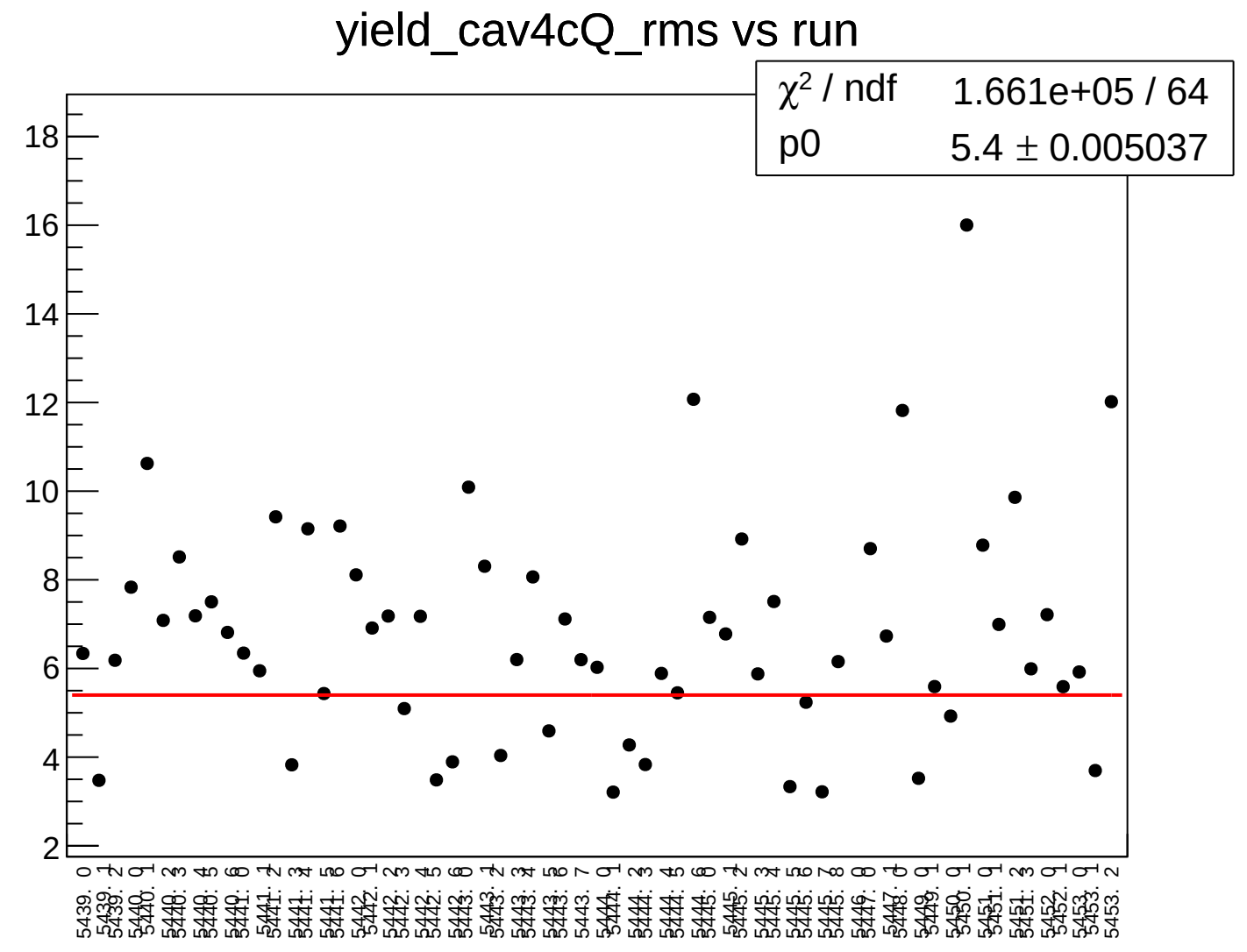

yield_cav4bQ_mean vs run
χ² / ndf 2.924e+05 / 64
p0 874.3 ± 1.68e−05
874.265
874.26
874.255
874.25
874.245
874.24
874.235
874.23
874.225
pull
Entries 65
Mean 76.98
Std Dev 0
100
50
0
−50
−100
−150

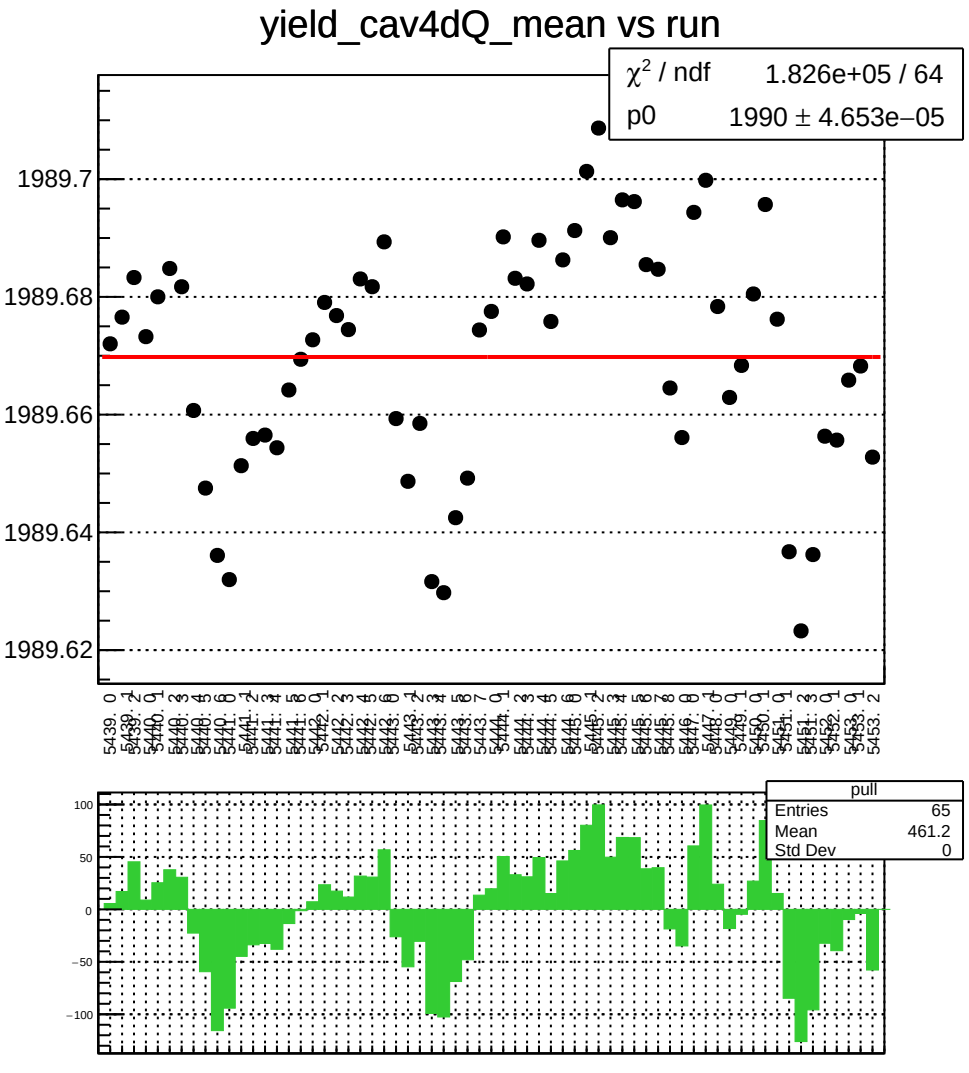

pull1D
Entries 65
Mean −0.5128
Std Dev 5.624
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

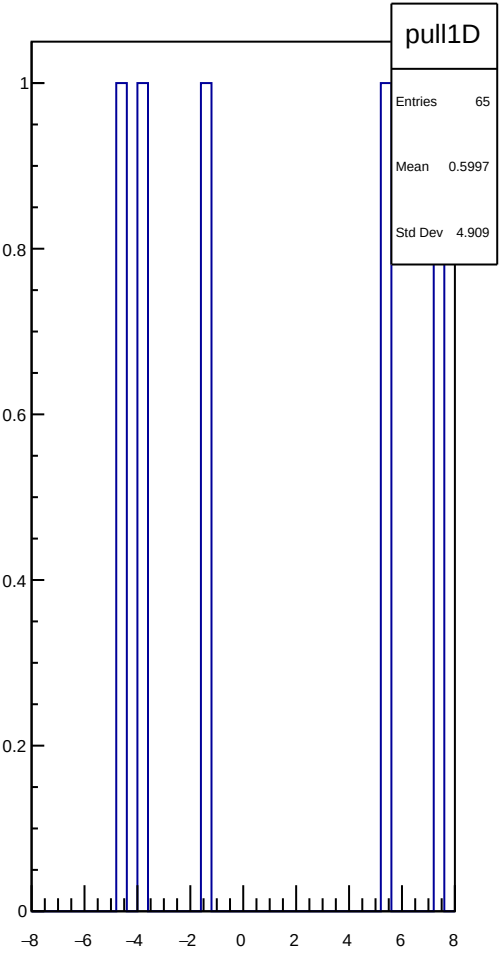

yield_cav4bQ_rms vs run
χ² / ndf 2289 / 64
p0 0.01361 ± 1.188e–05
0.017
0.016
0.015
0.014
0.013

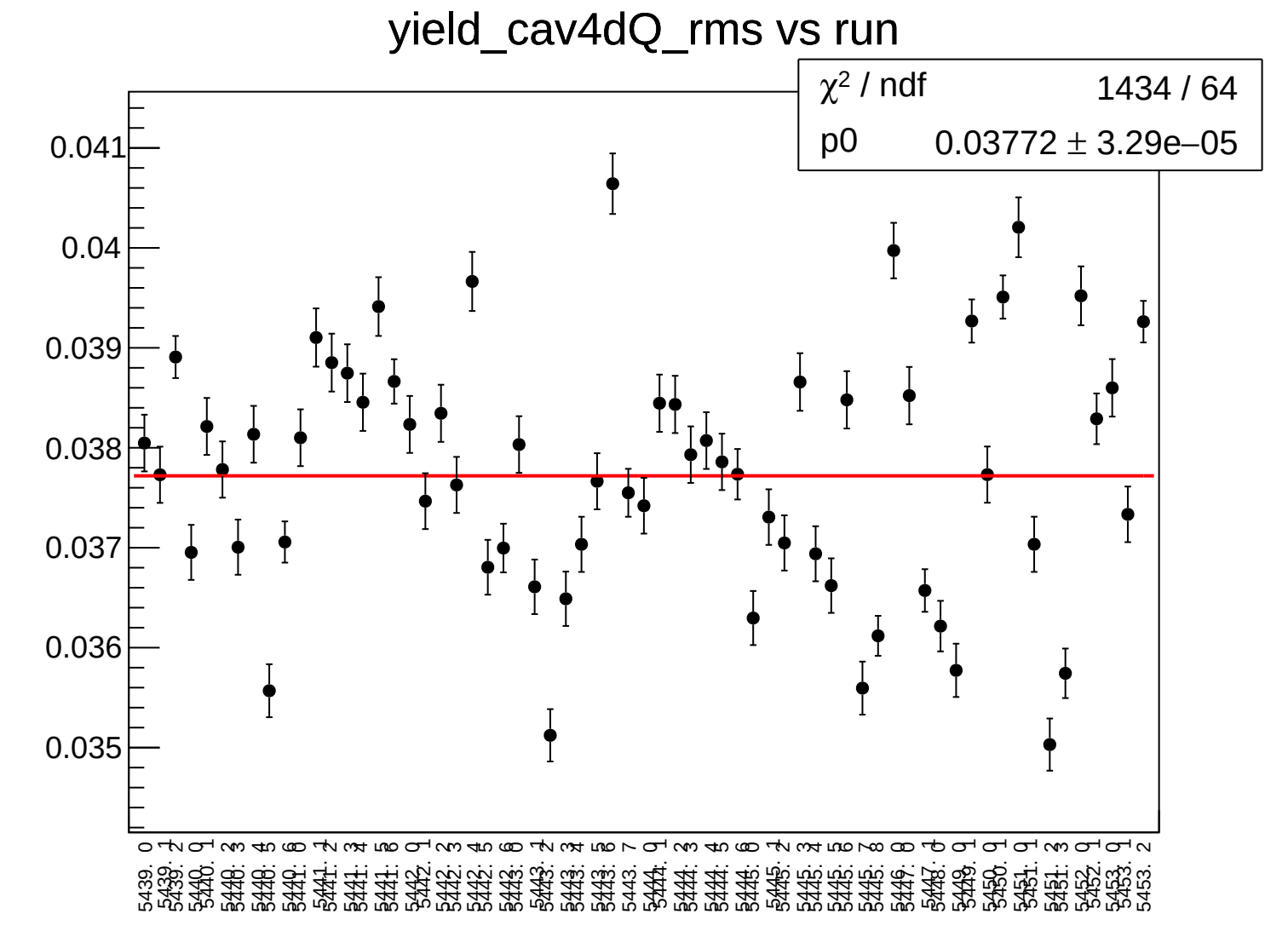

yield_cav4cQ_mean vs run
χ² / ndf 2.751e+06 / 64
p0 299.6 ± 0.007123
320
310
300
290
280
270
260
pull
Entries 65
Mean −37.49
Std Dev 0
200
0
−200
−400
−600
−800
−1000

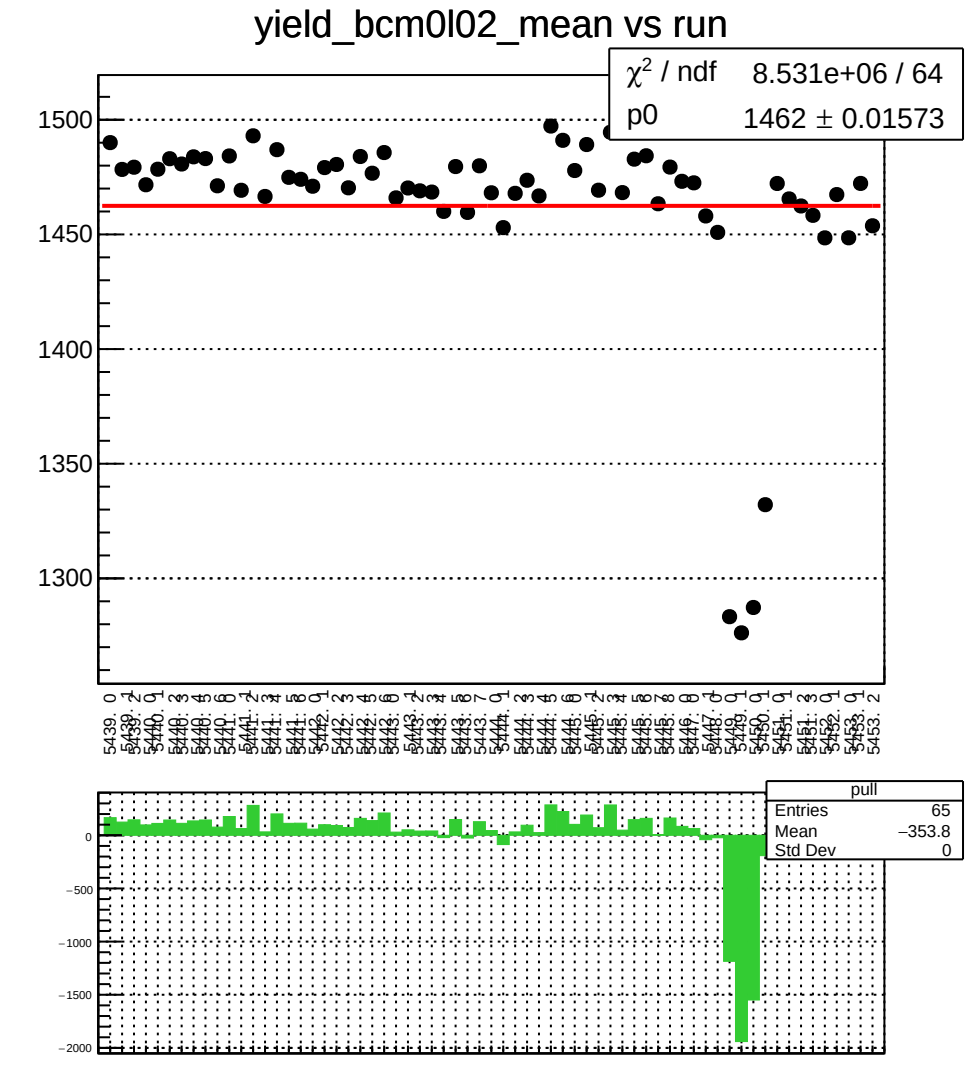

pull1D
Entries 65
Mean 5.75
Std Dev 1.206
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

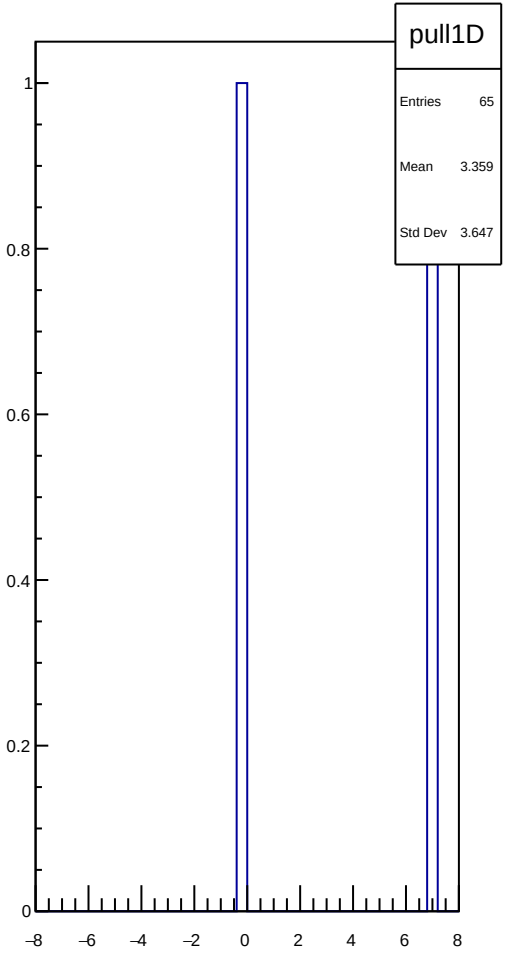

yield_cav4cQ_rms vs run
χ² / ndf 1.661e+05 / 64
p0 5.4 ± 0.005037
18
16
14
12
10
8
6
4
2

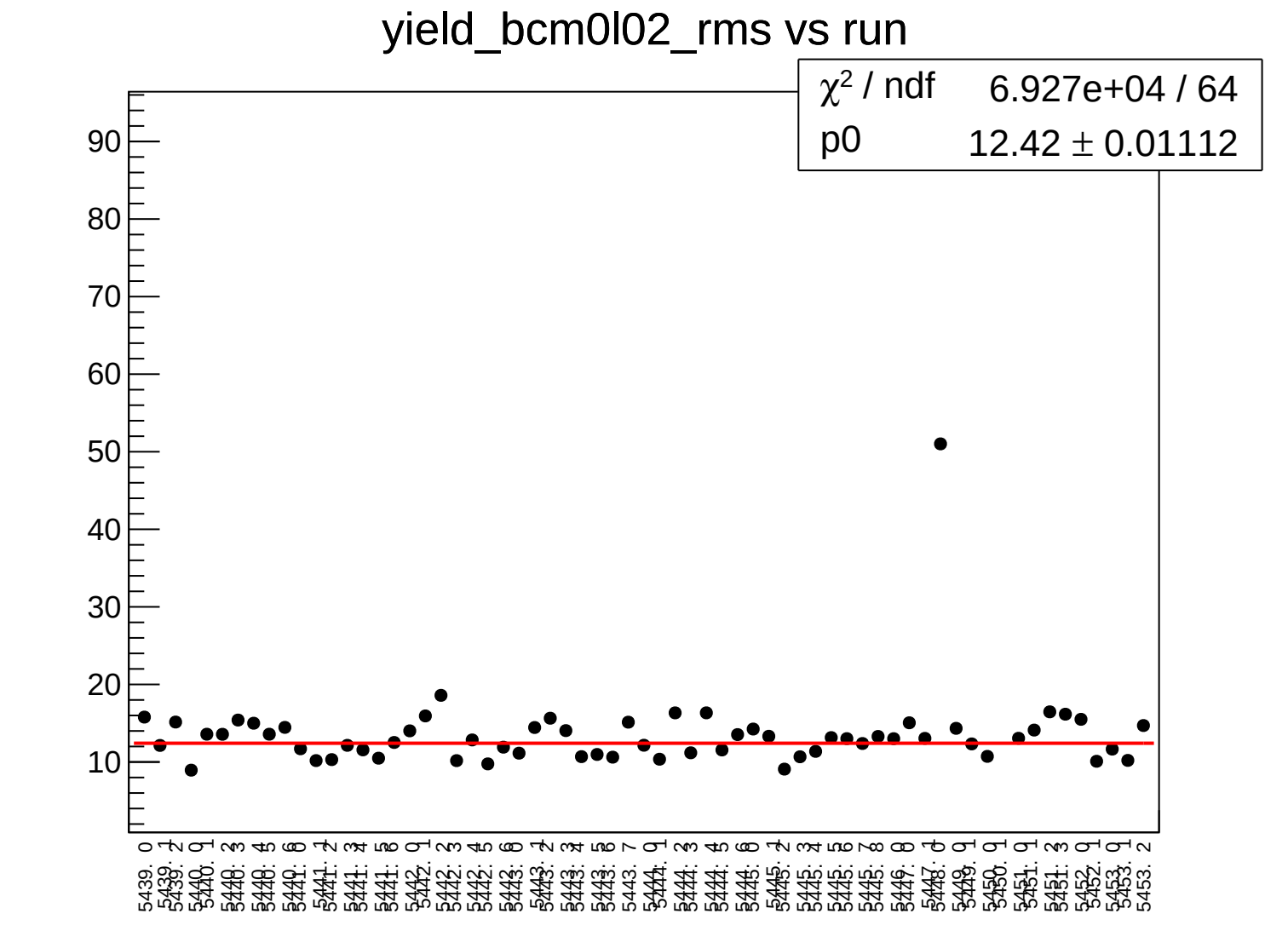

yield_cav4dQ_mean vs run
χ² / ndf 1.826e+05 / 64
p0 1990 ± 4.653e−05
1989.7
1989.68
1989.66
1989.64
1989.62
pull
Entries 65
Mean 461.2
Std Dev 0
100
50
0
−50
−100

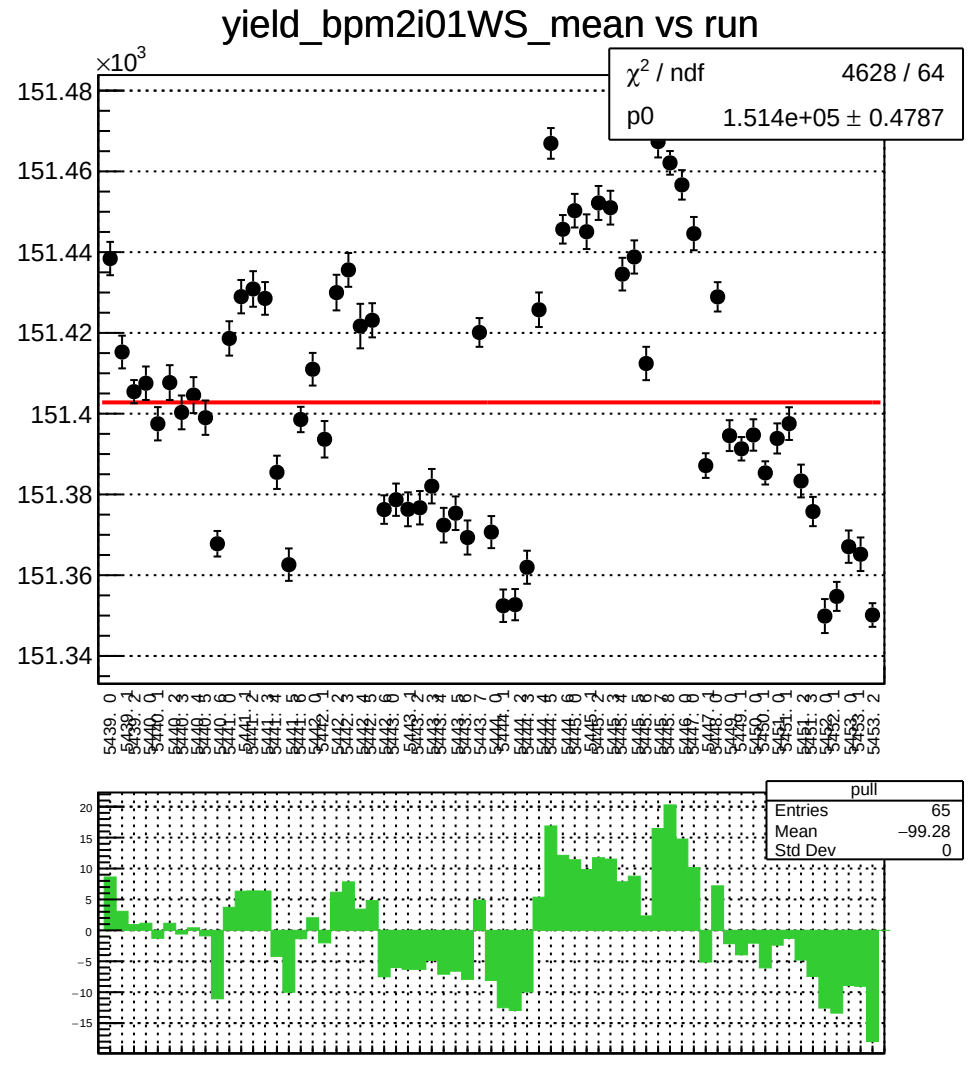

pull1D
Entries 65
Mean 0.5997
Std Dev 4.909
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

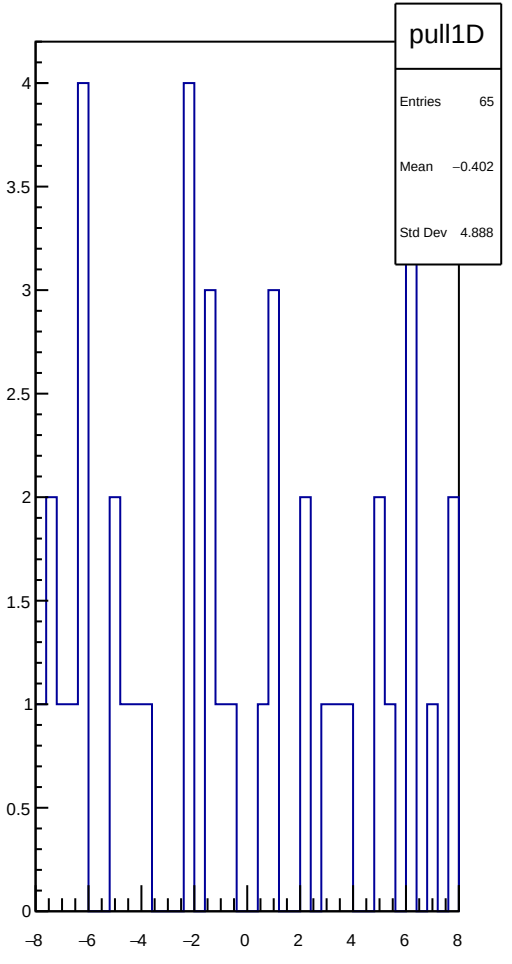

yield_cav4dQ_rms vs run
χ² / ndf 1434 / 64
p0 0.03772 ± 3.29e−05
0.041
0.04
0.039
0.038
0.037
0.036
0.035

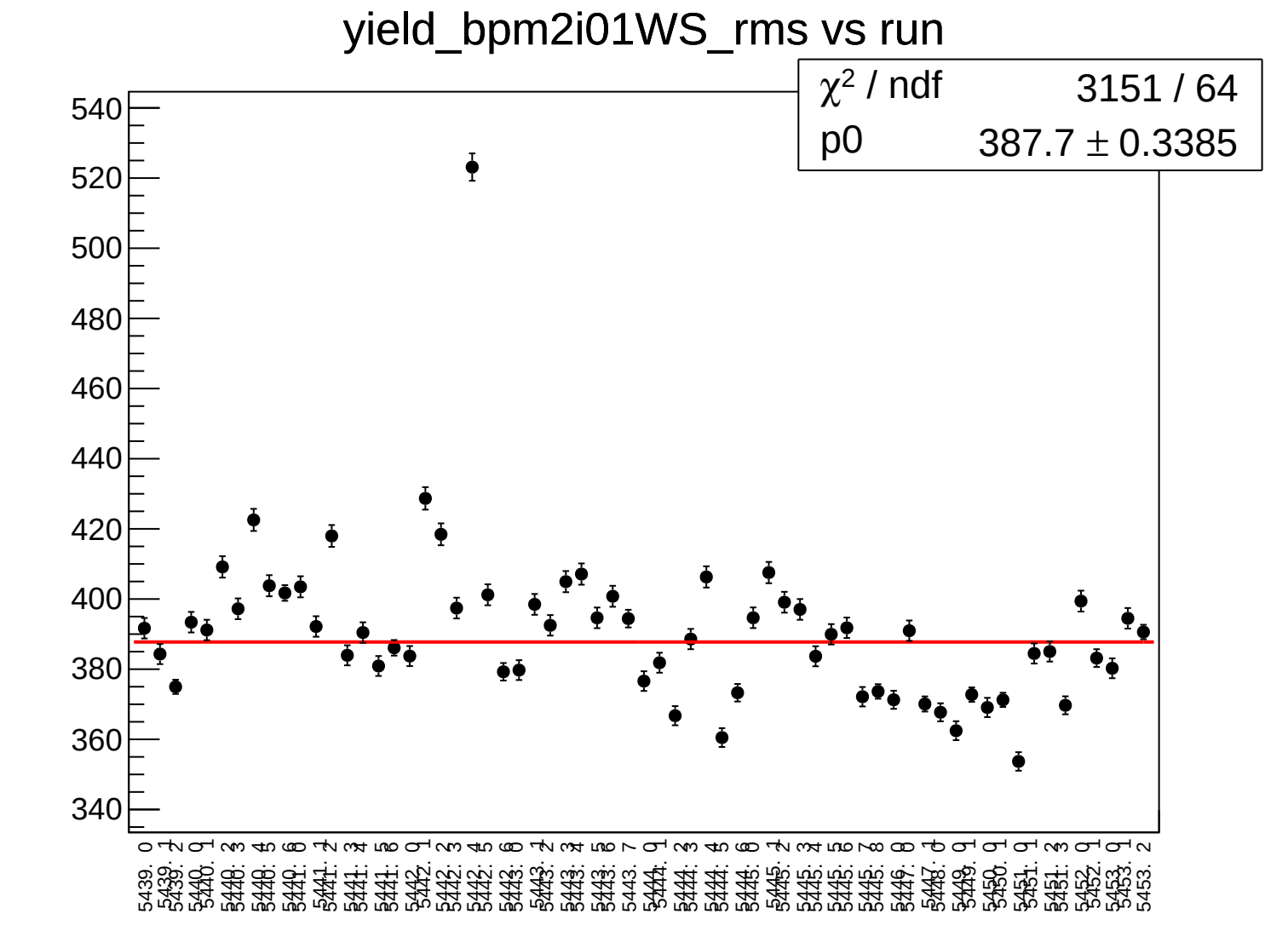

yield_bcm0l02_mean vs run
χ² / ndf 8.531e+06 / 64
p0 1462 ± 0.01573
1500
1450
1400
1350
1300
pull
Entries 65
Mean −353.8
Std Dev 0
0
−500
−1000
−1500
−2000

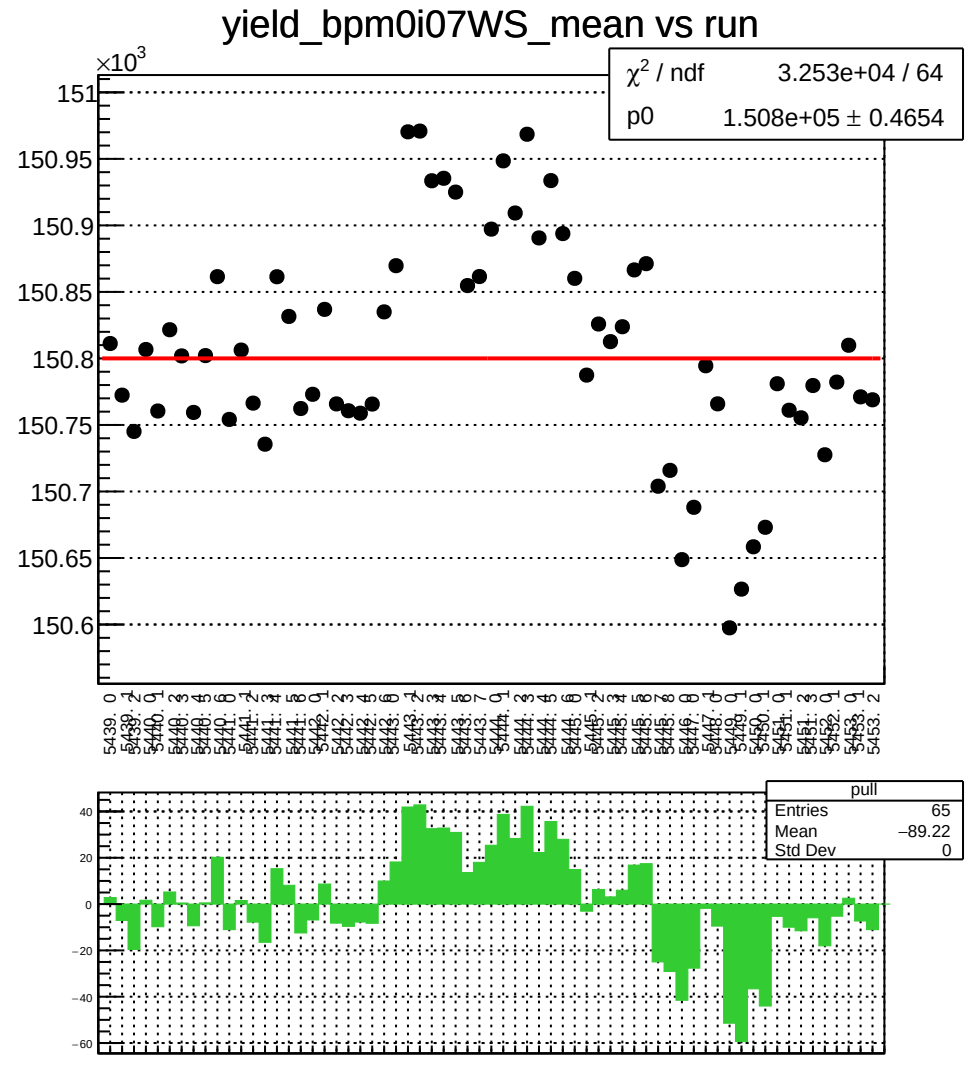

pull1D
Entries 65
Mean 3.359
Std Dev 3.647
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

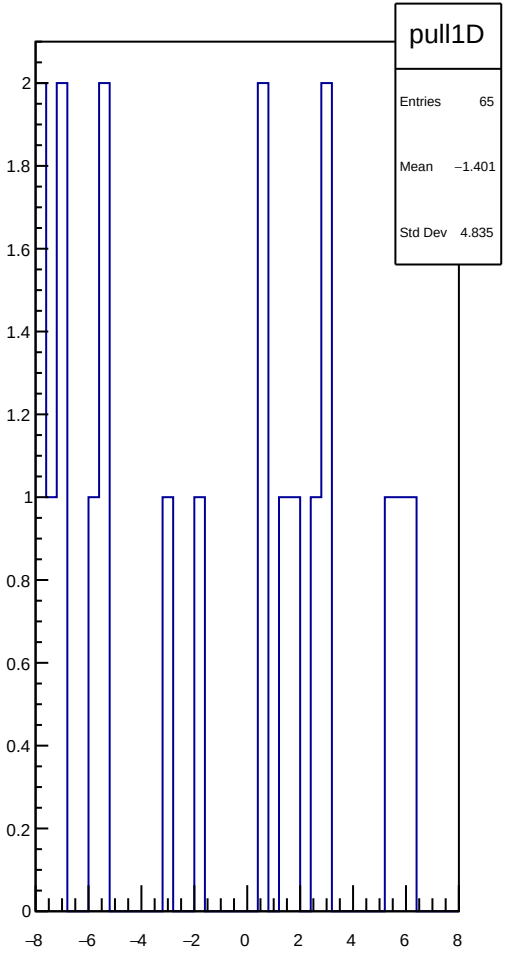

yield_bcm0l02_rms vs run
χ^2 / ndf 6.927e+04 / 64
p0 12.42 ± 0.01112
90
80
70
60
50
40
30
20
10

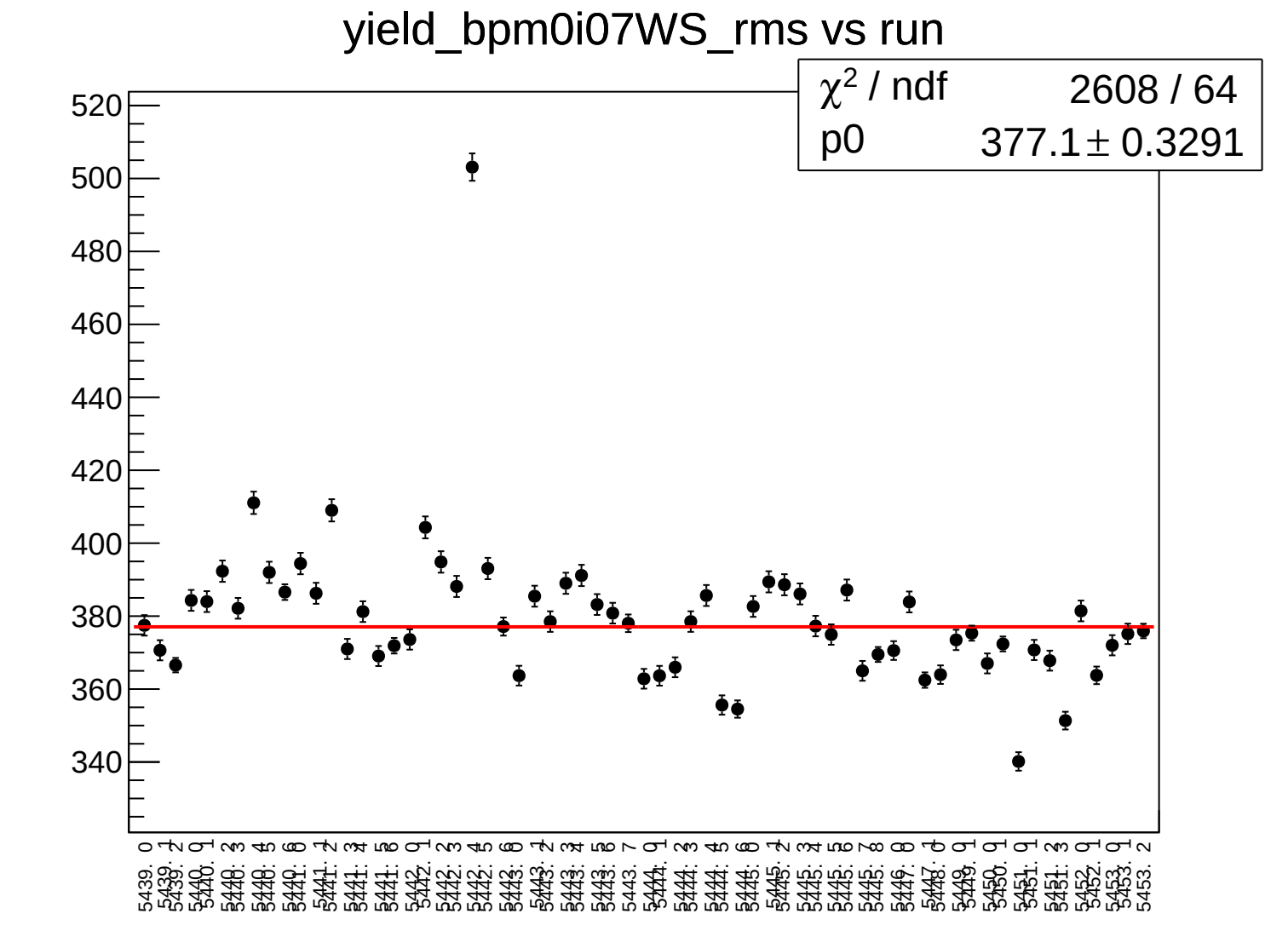

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 4628 / 64
p0 1.514e+05 ± 0.4787
151.48
151.46
151.44
151.42
151.4
151.38
151.36
151.34
pull
Entries 65
Mean −99.28
Std Dev 0
20
15
10
5
0
−5
−10
−15

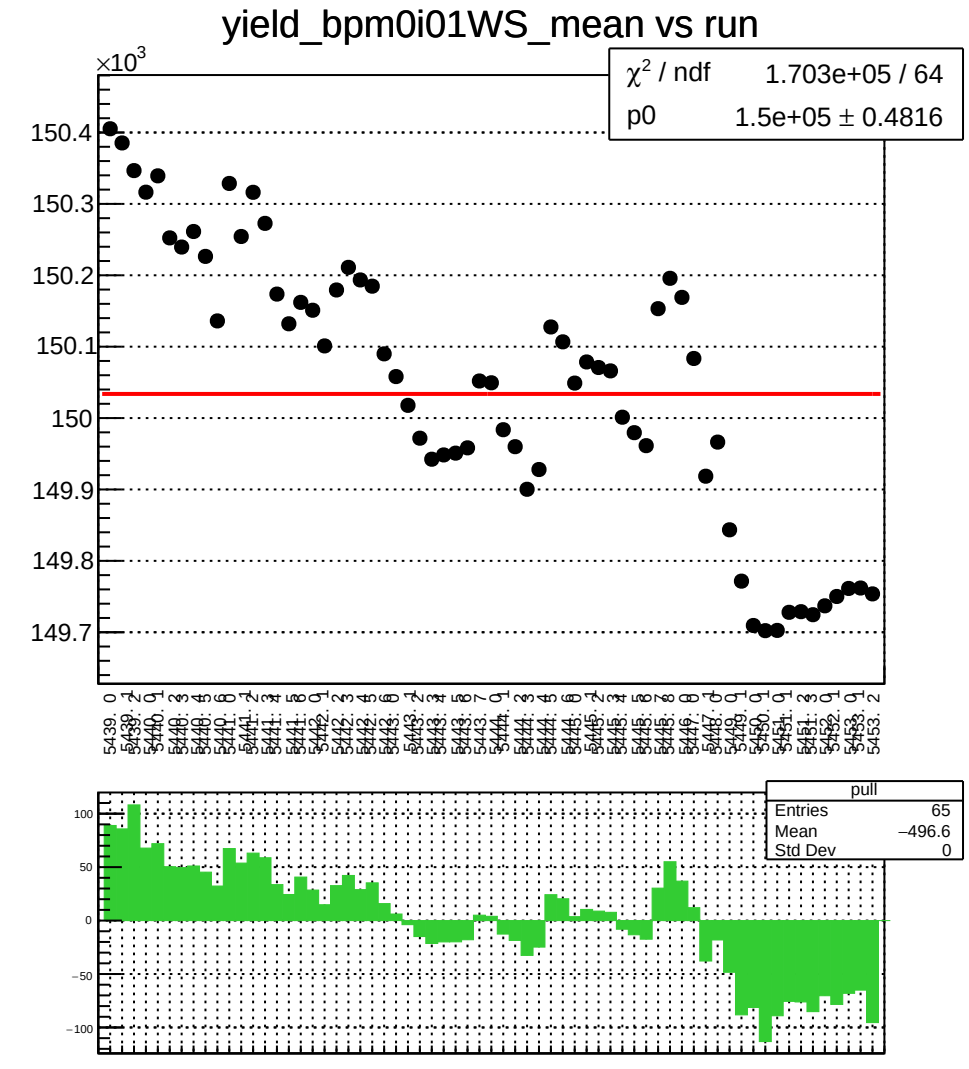

pull1D
Entries 65
Mean −0.402
Std Dev 4.888
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

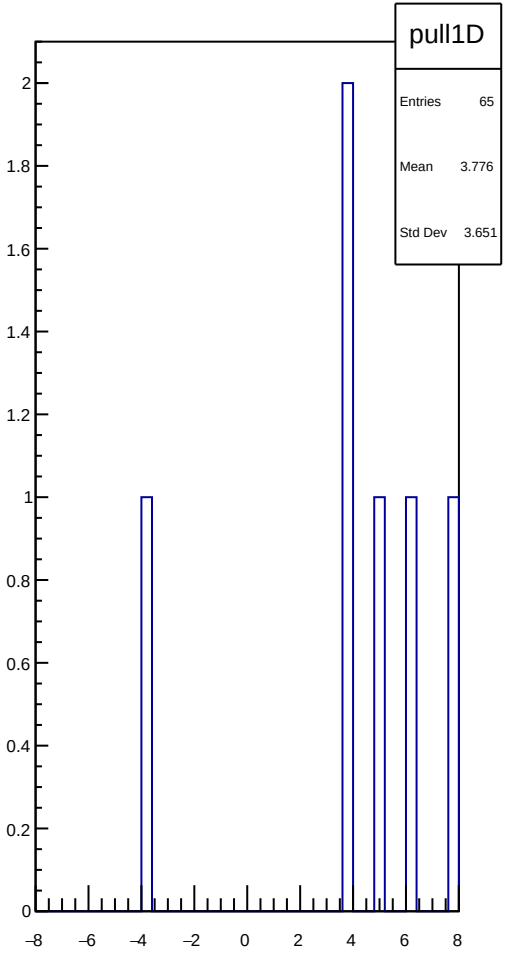

yield_bpm2i01WS_rms vs run
χ² / ndf 3151 / 64
p0 387.7 ± 0.3385
540
520
500
480
460
440
420
400
380
360
340

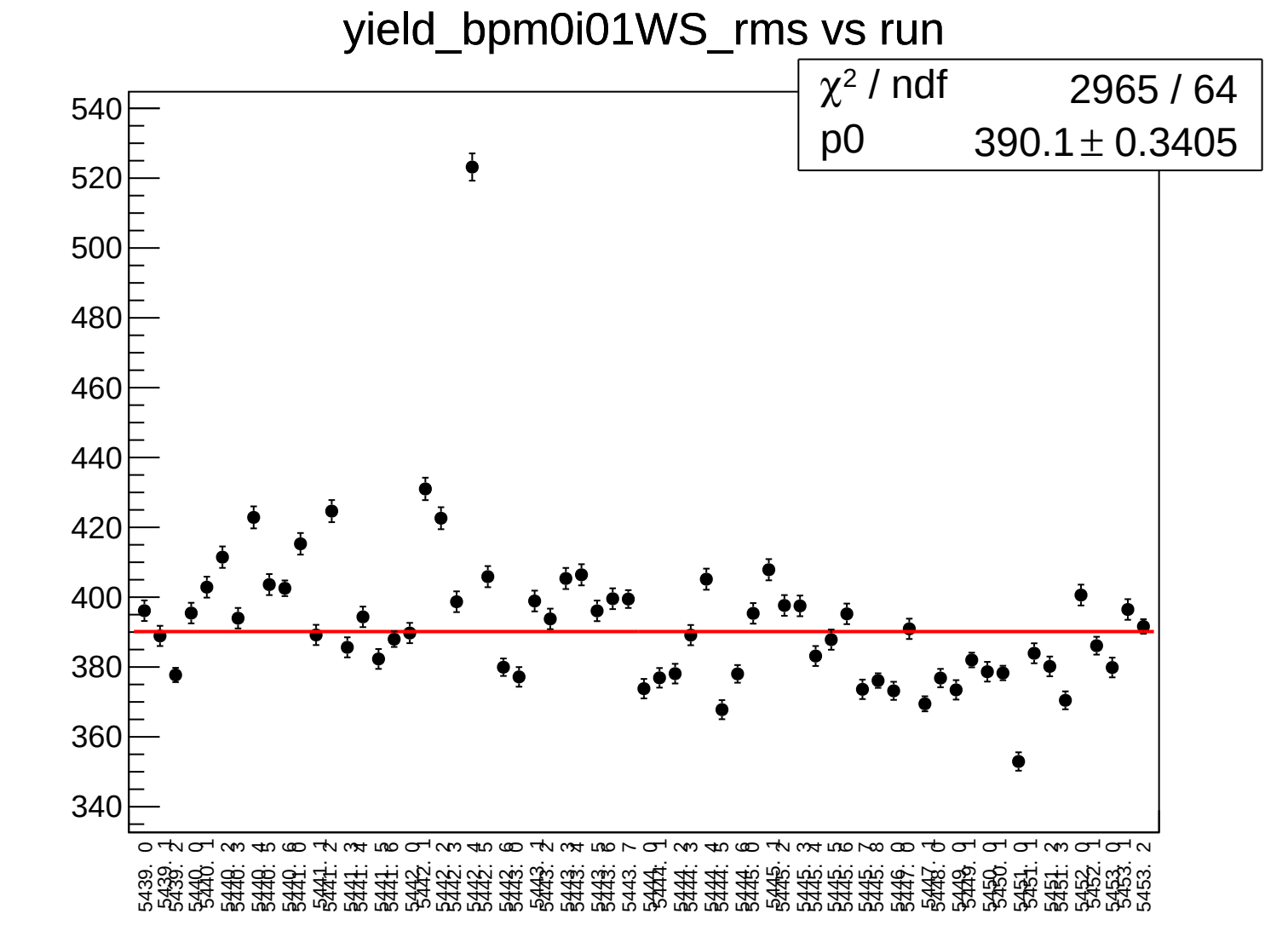

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.253e+04 / 64
p0 1.508e+05 ± 0.4654
151
150.95
150.9
150.85
150.8
150.75
150.7
150.65
150.6
pull
Entries 65
Mean −89.22
Std Dev 0
40
20
0
−20
−40
−60

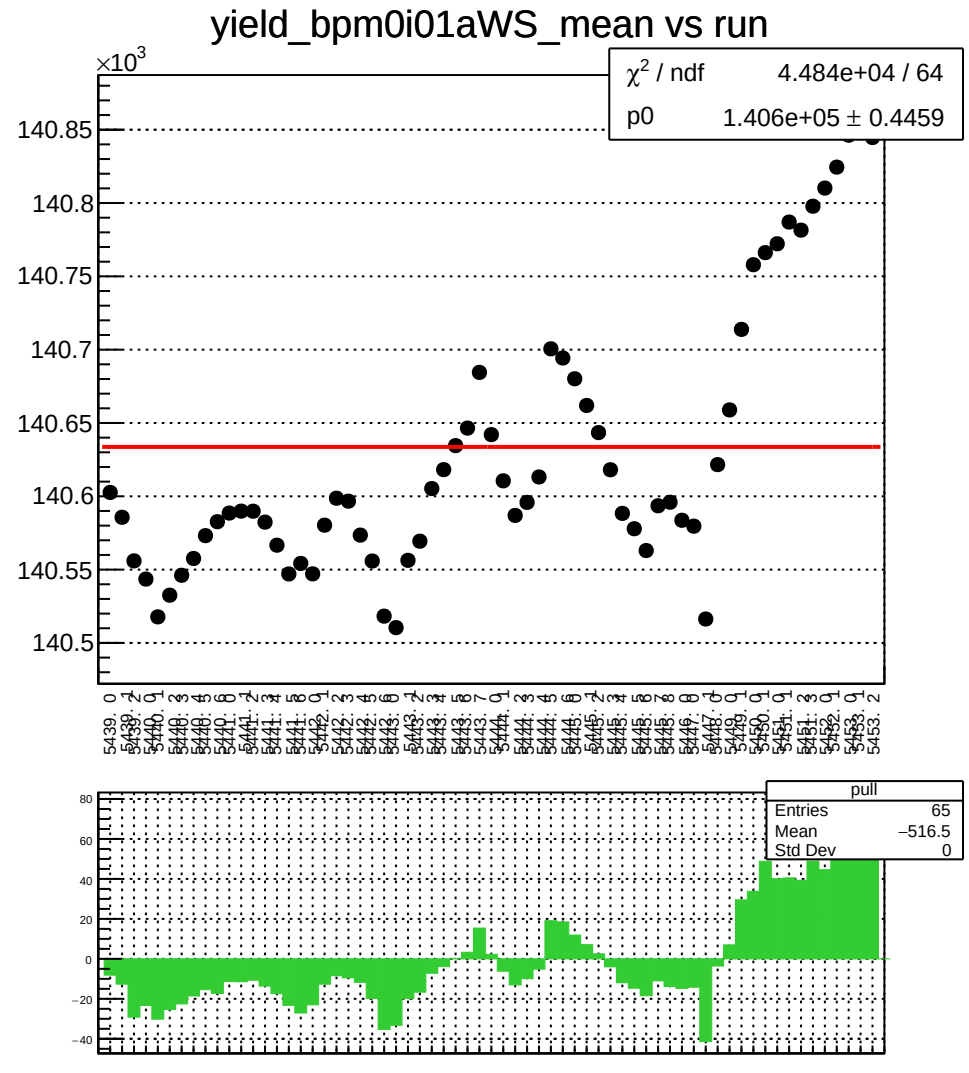

pull1D
Entries 65
Mean −1.401
Std Dev 4.835
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

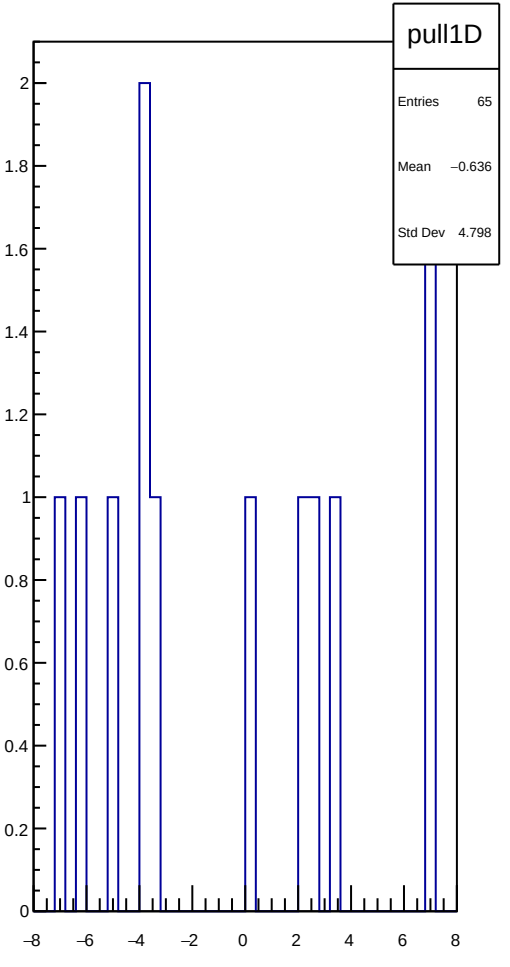

yield_bpm0i07WS_rms vs run
χ² / ndf 2608 / 64
p0 377.1 ± 0.3291
520
500
480
460
440
420
400
380
360
340

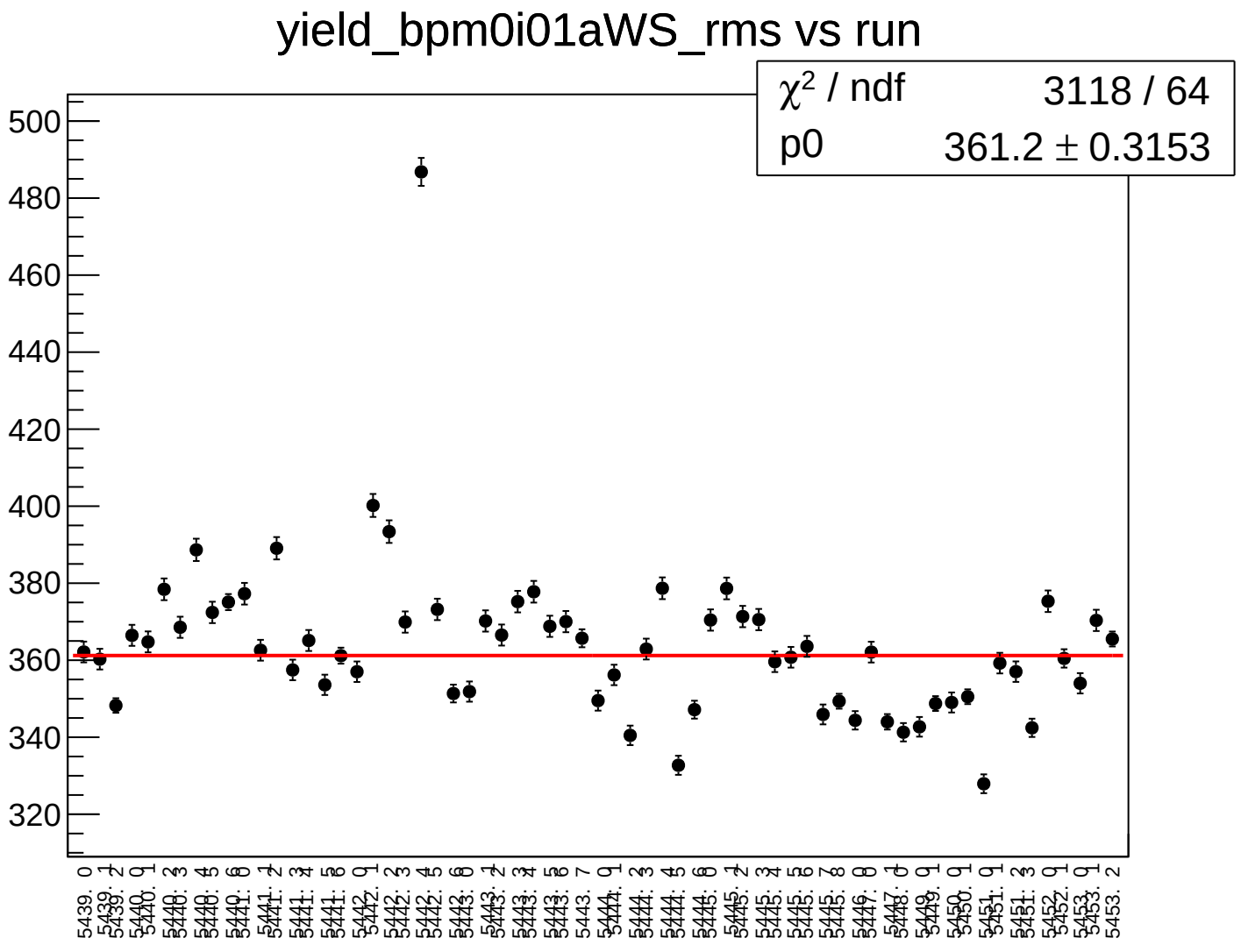

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.703e+05 / 64
p0 1.5e+05 ± 0.4816
150.4
150.3
150.2
150.1
150
149.9
149.8
149.7
pull
Entries 65
Mean −496.6
Std Dev 0
100
50
0
−50
−100

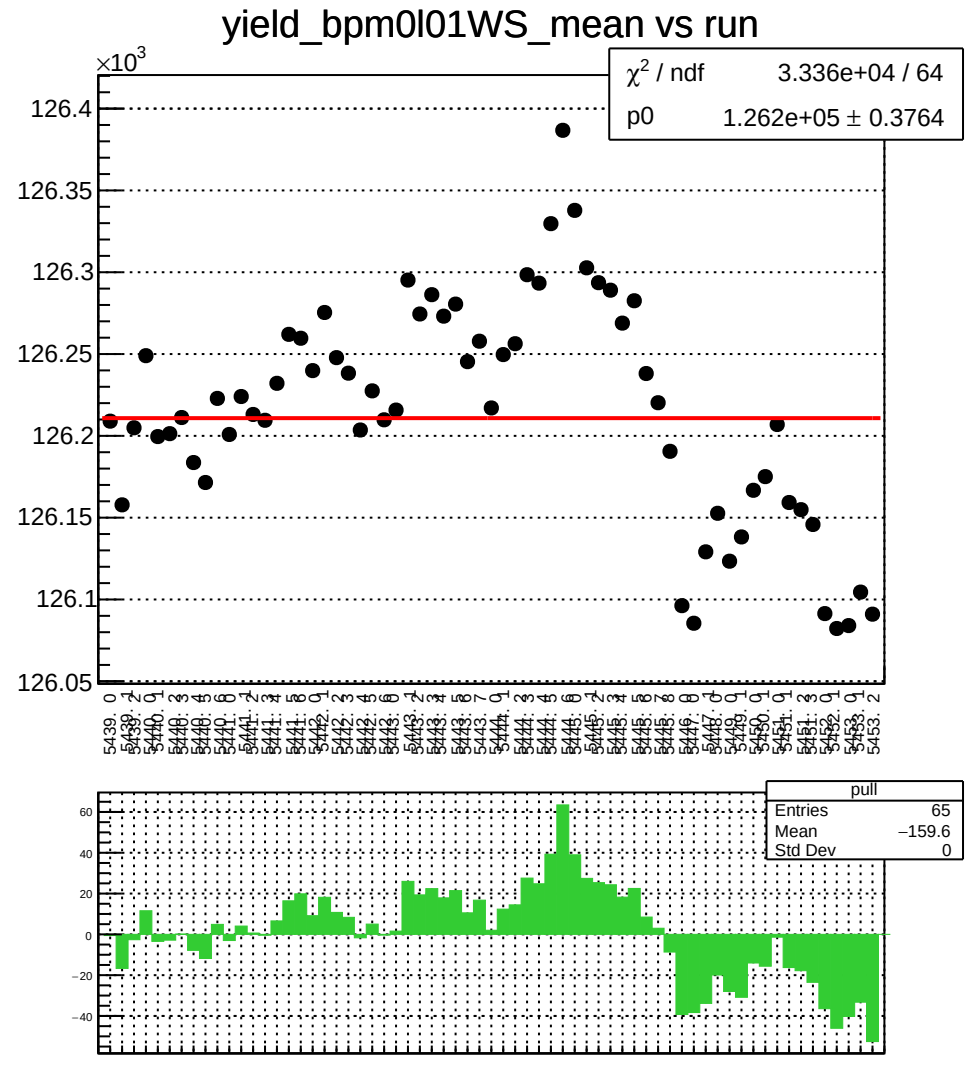

pull1D
Entries 65
Mean 3.776
Std Dev 3.651
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

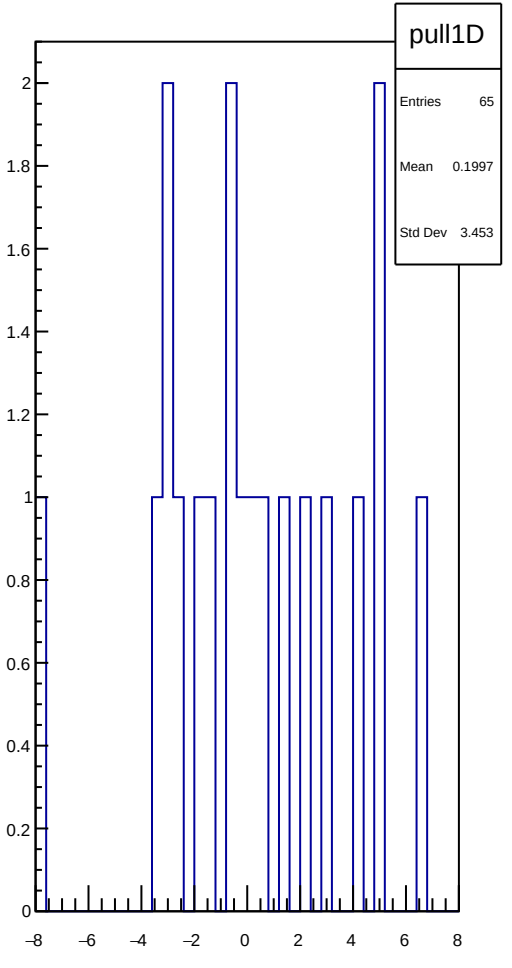

yield_bpm0i01WS_rms vs run
χ² / ndf 2965 / 64
p0 390.1 ± 0.3405
540
520
500
480
460
440
420
400
380
360
340

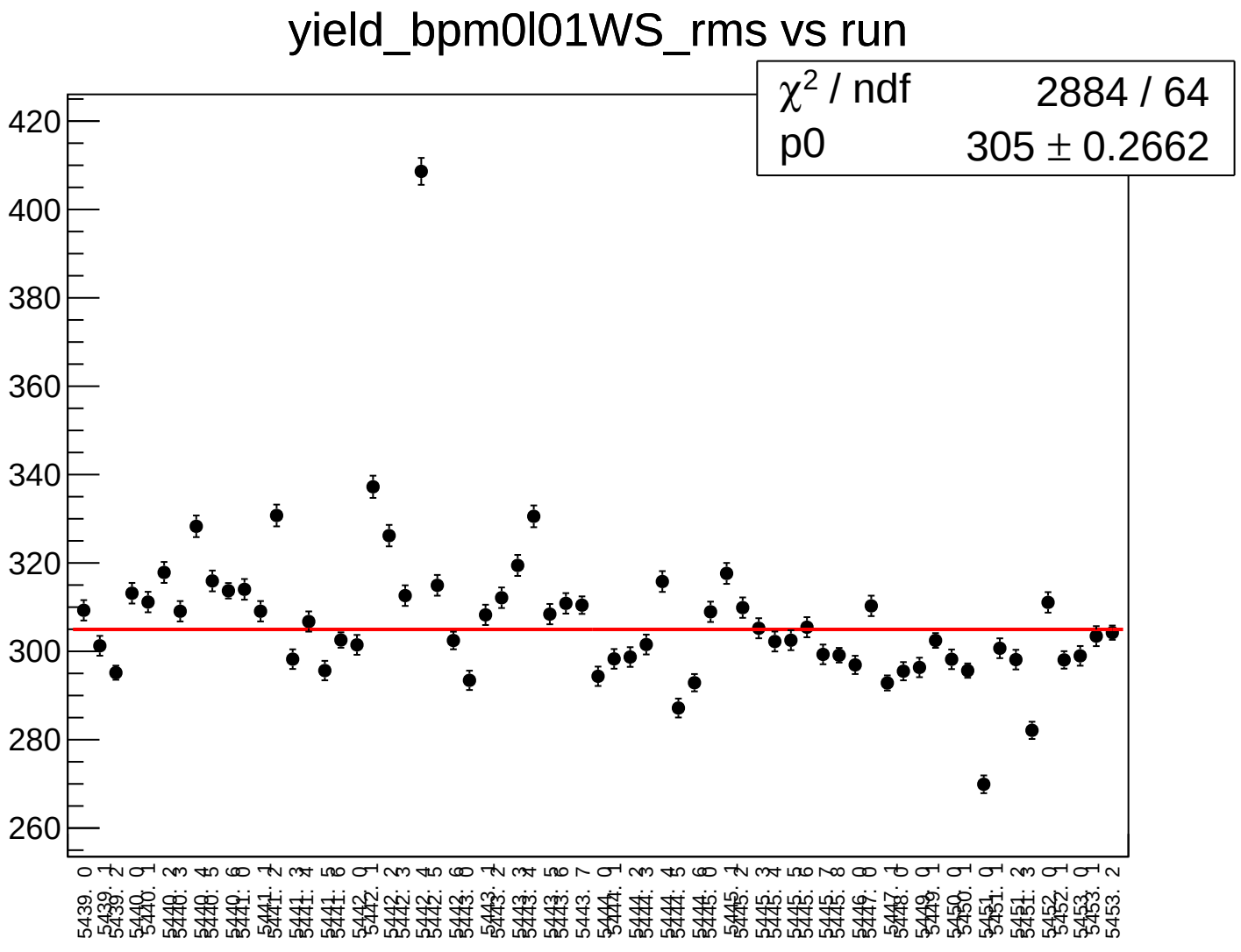

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 4.484e+04 / 64
p0 1.406e+05 ± 0.4459
140.85
140.8
140.75
140.7
140.65
140.6
140.55
140.5
pull
Entries 65
Mean −516.5
Std Dev 0
80
60
40
20
0
−20
−40

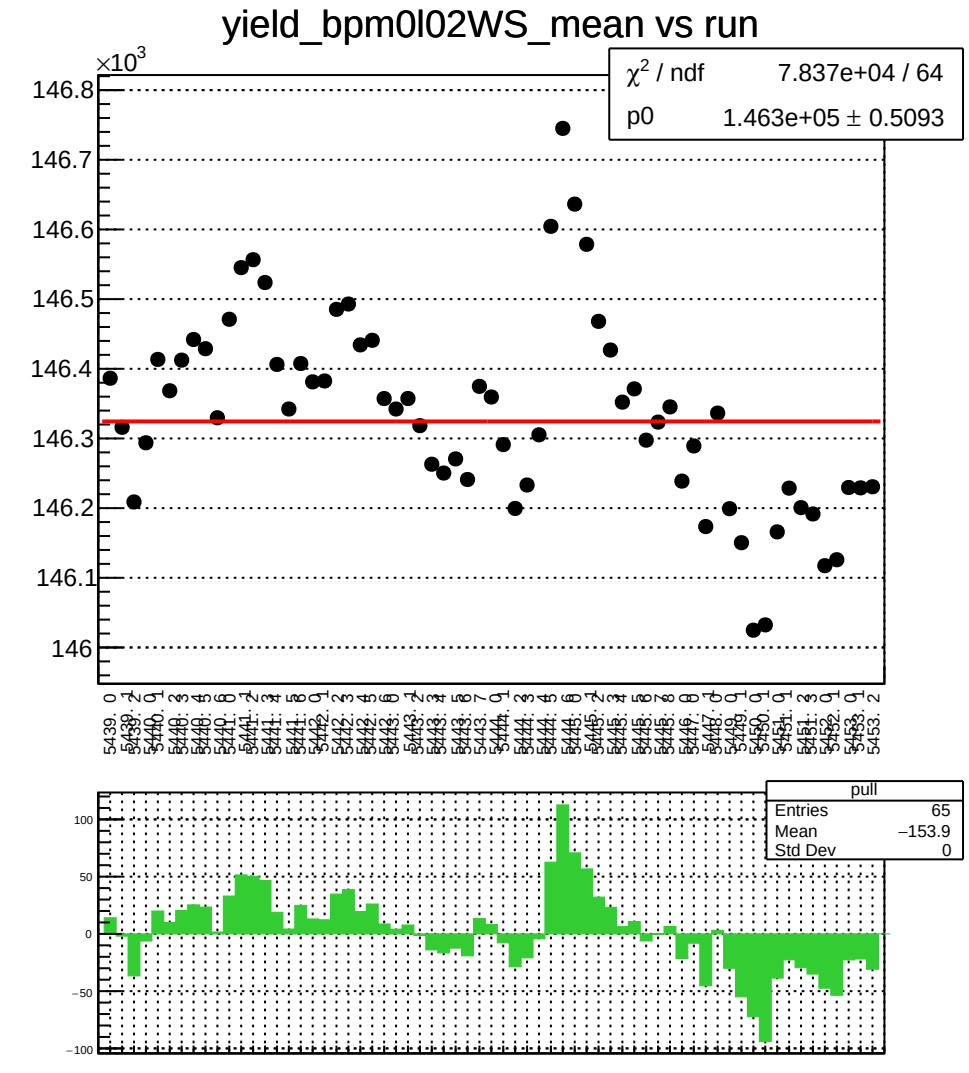

pull1D
Entries 65
Mean −0.636
Std Dev 4.798
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

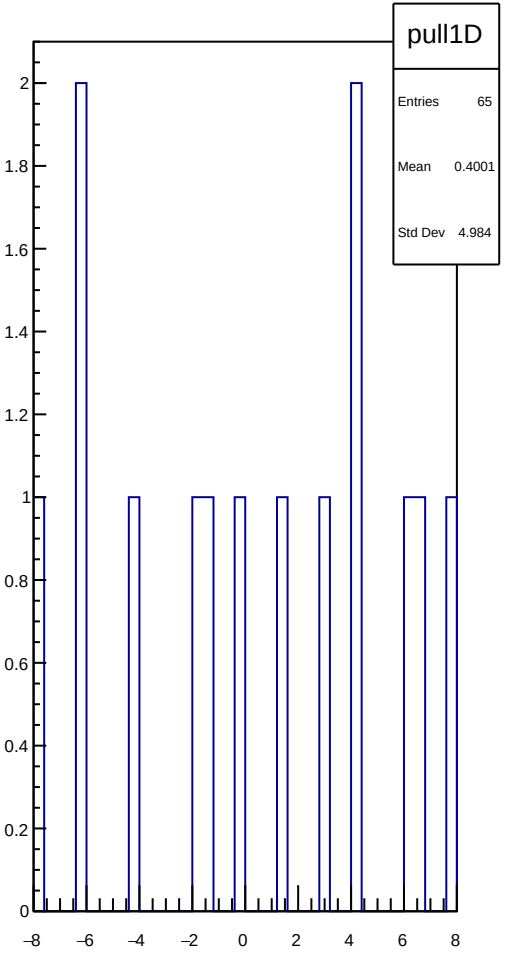

yield_bpm0i01aWS_rms vs run
χ² / ndf 3118 / 64
p0 361.2 ± 0.3153
500
480
460
440
420
400
380
360
340
320

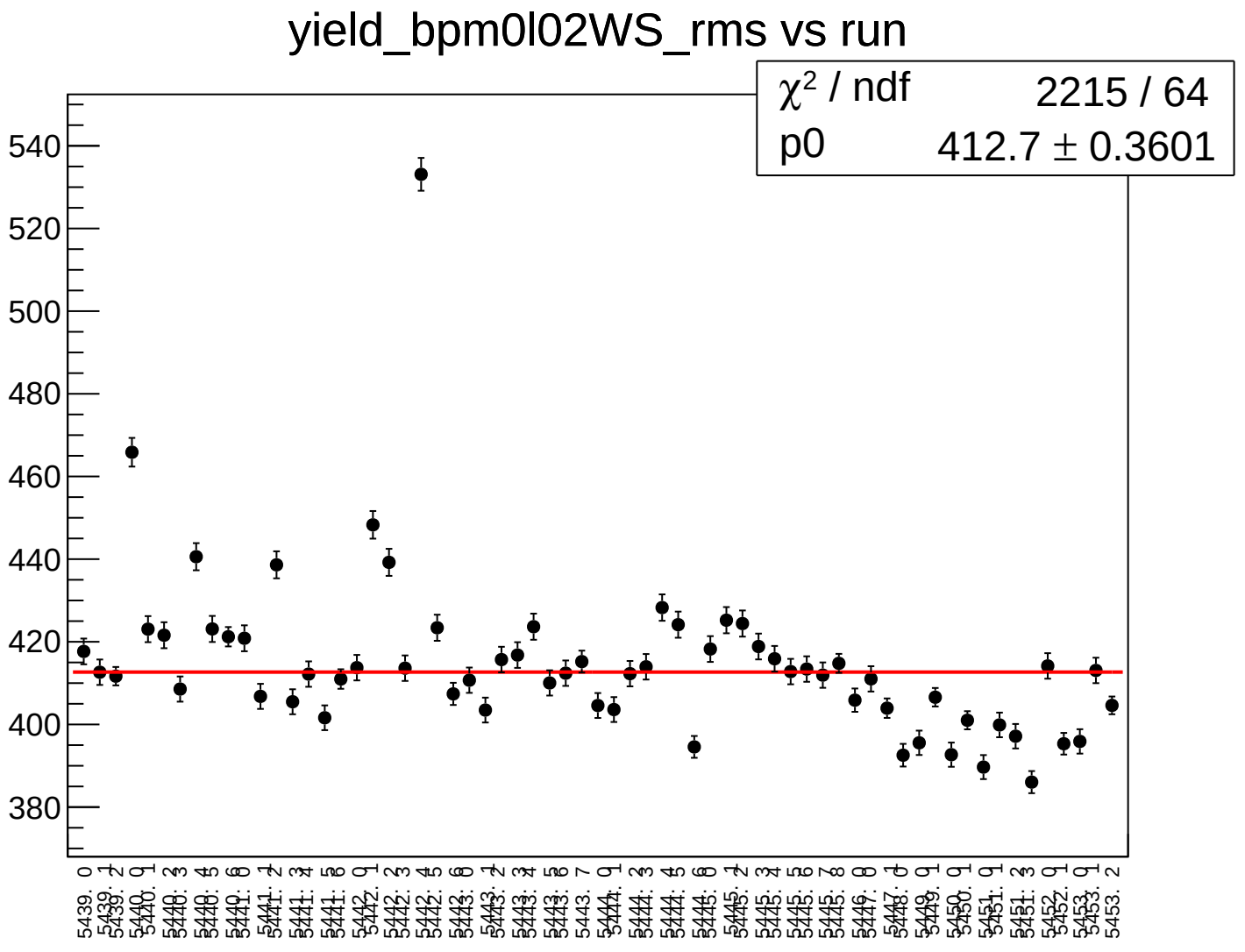

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.336e+04 / 64
p0 1.262e+05 ± 0.3764
126.4
126.35
126.3
126.25
126.2
126.15
126.1
126.05
pull
Entries 65
Mean −159.6
Std Dev 0
60
40
20
0
−20
−40

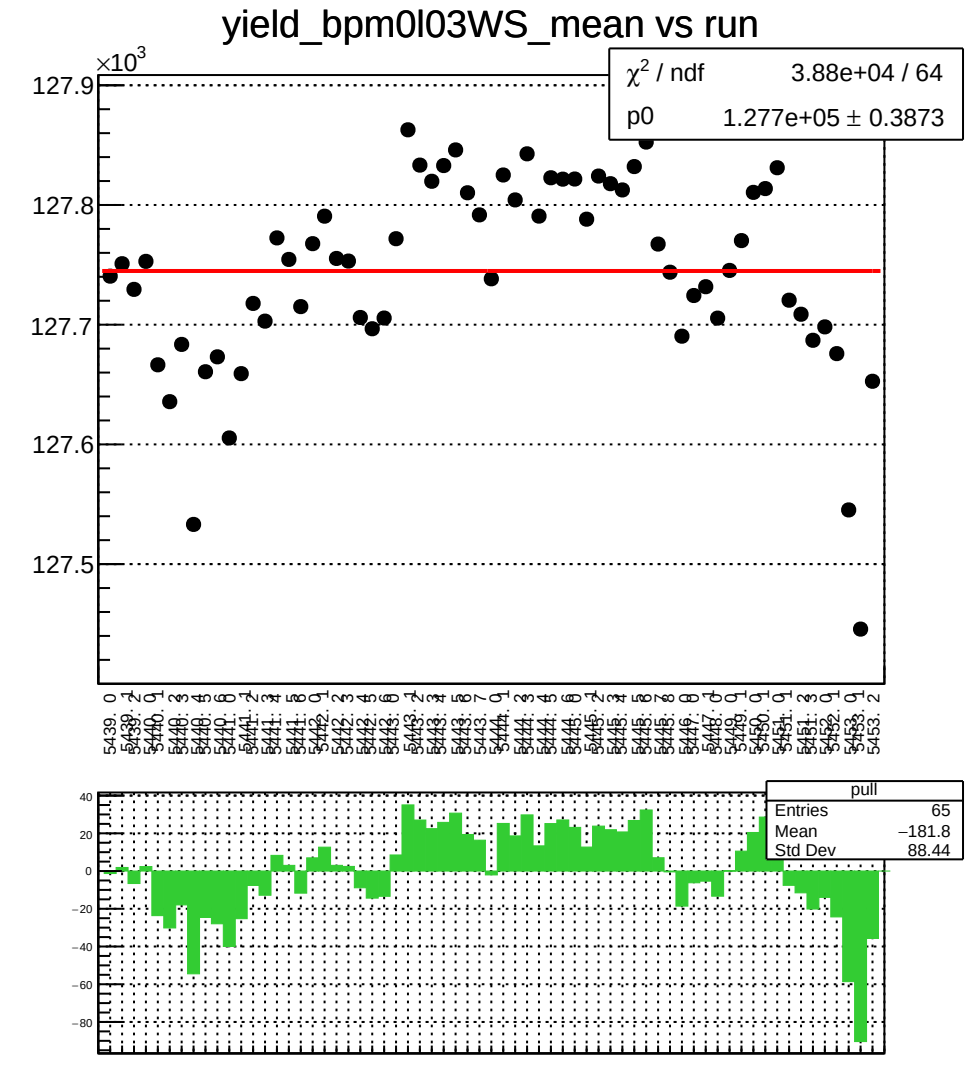

pull1D
Entries 65
Mean 0.1997
Std Dev 3.453
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

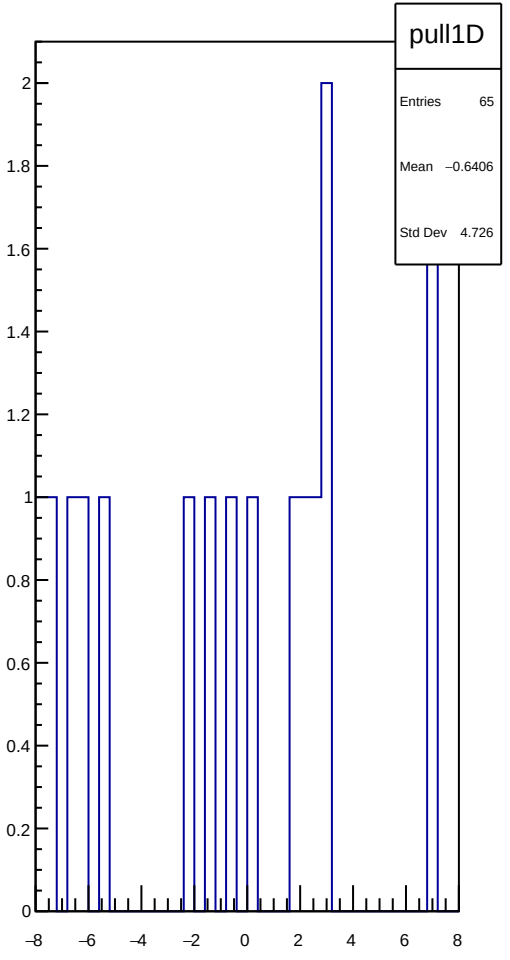

yield_bpm0l01WS_rms vs run
χ² / ndf 2884 / 64
p0 305 ± 0.2662
420
400
380
360
340
320
300
280
260

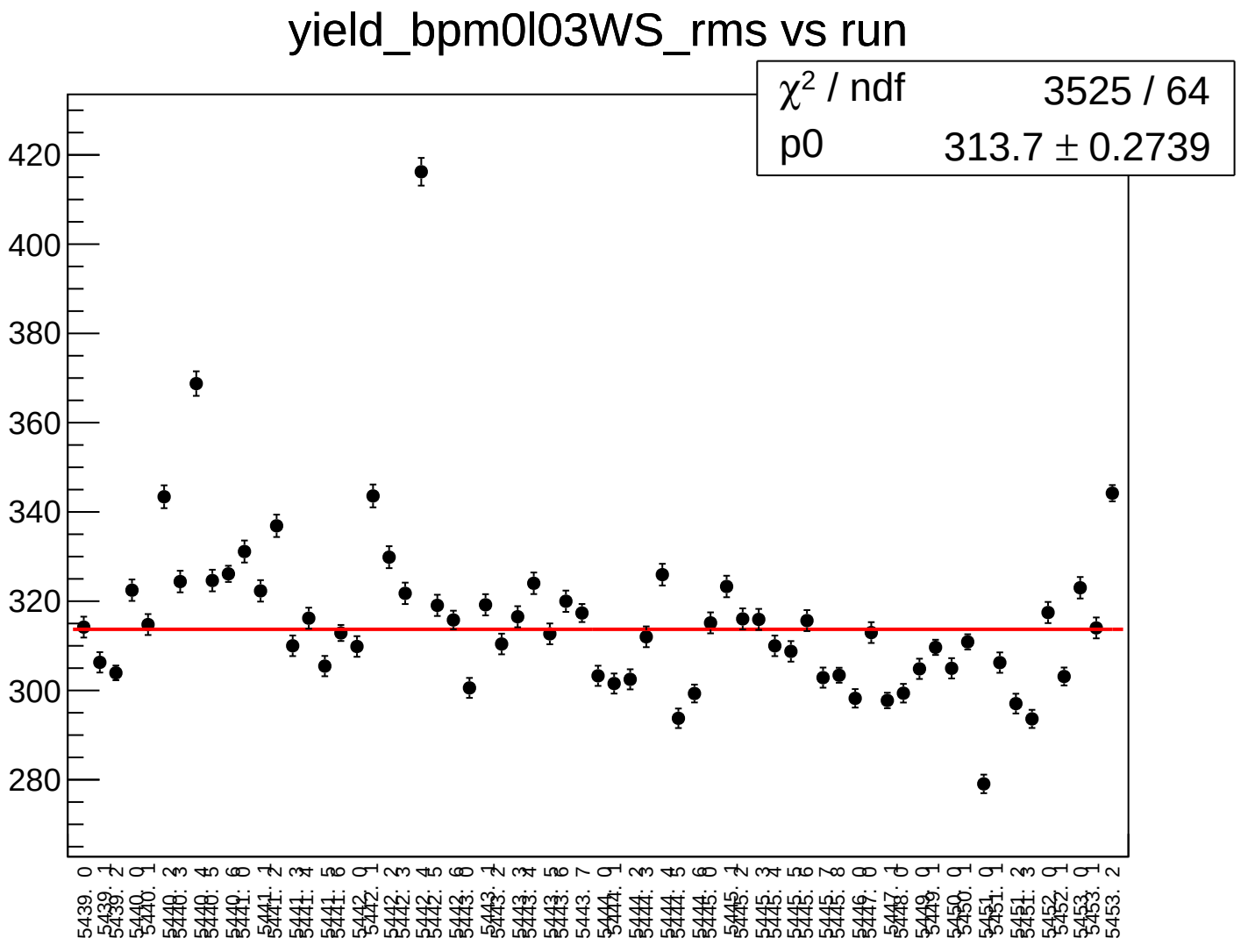

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 7.837e+04 / 64
p0 1.463e+05 ± 0.5093
146.8
146.7
146.6
146.5
146.4
146.3
146.2
146.1
146
pull
Entries 65
Mean −153.9
Std Dev 0
100
50
0
−50
−100

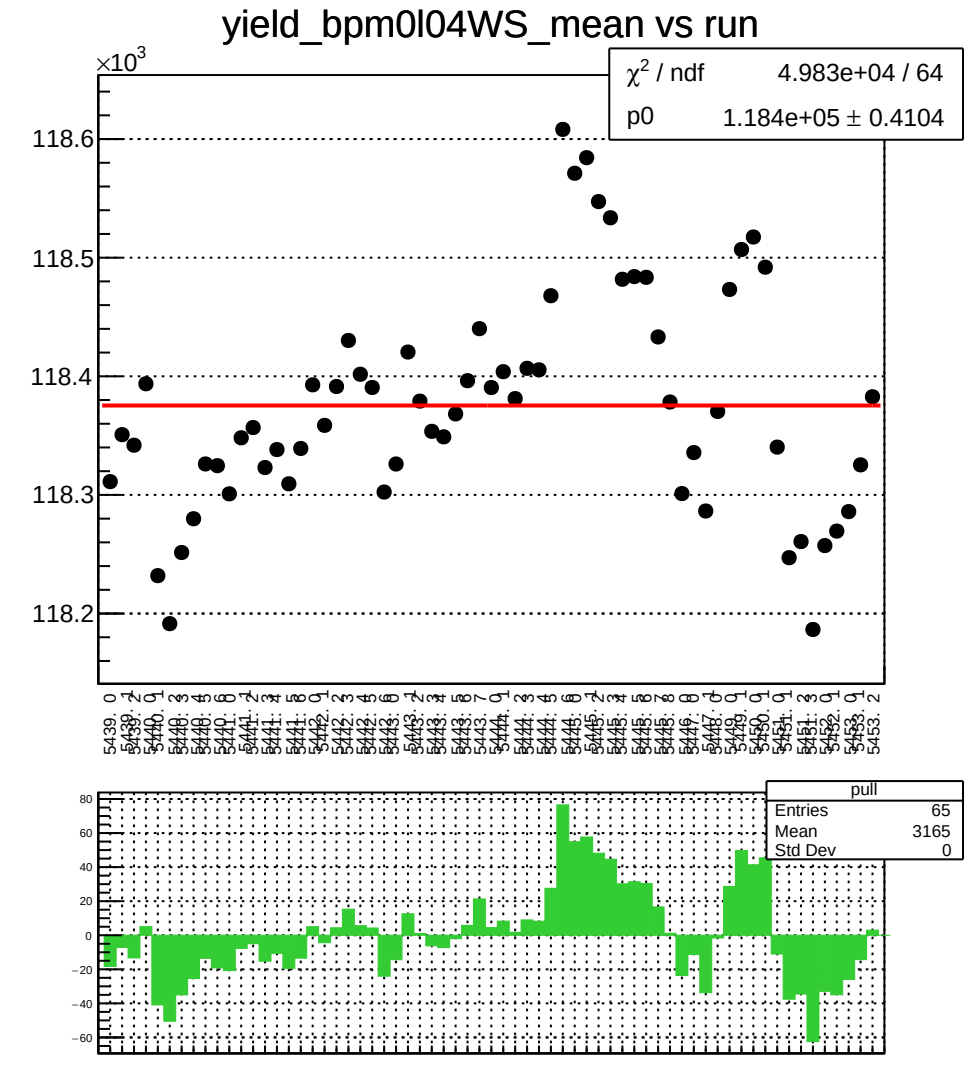

pull1D
Entries 65
Mean 0.4001
Std Dev 4.984
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

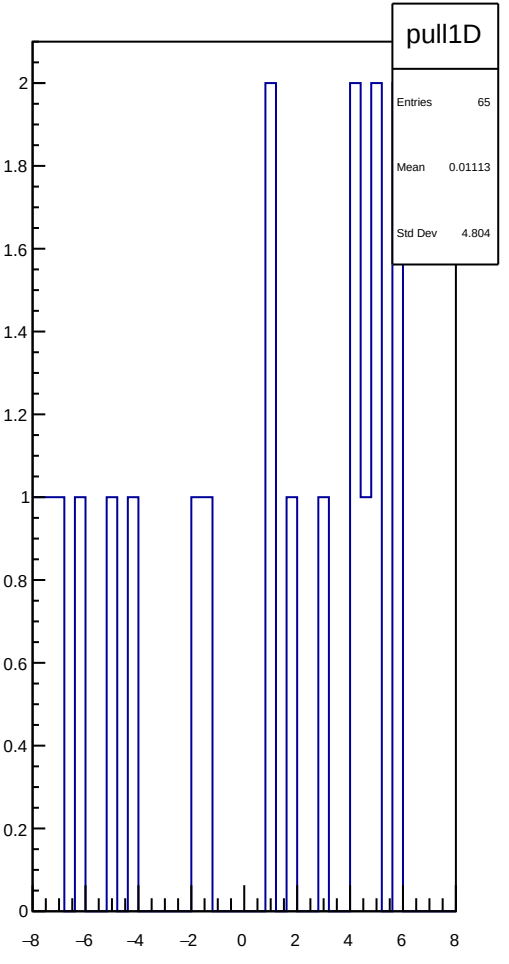

yield_bpm0l02WS_rms vs run
χ² / ndf 2215 / 64
p0 412.7 ± 0.3601
540
520
500
480
460
440
420
400
380

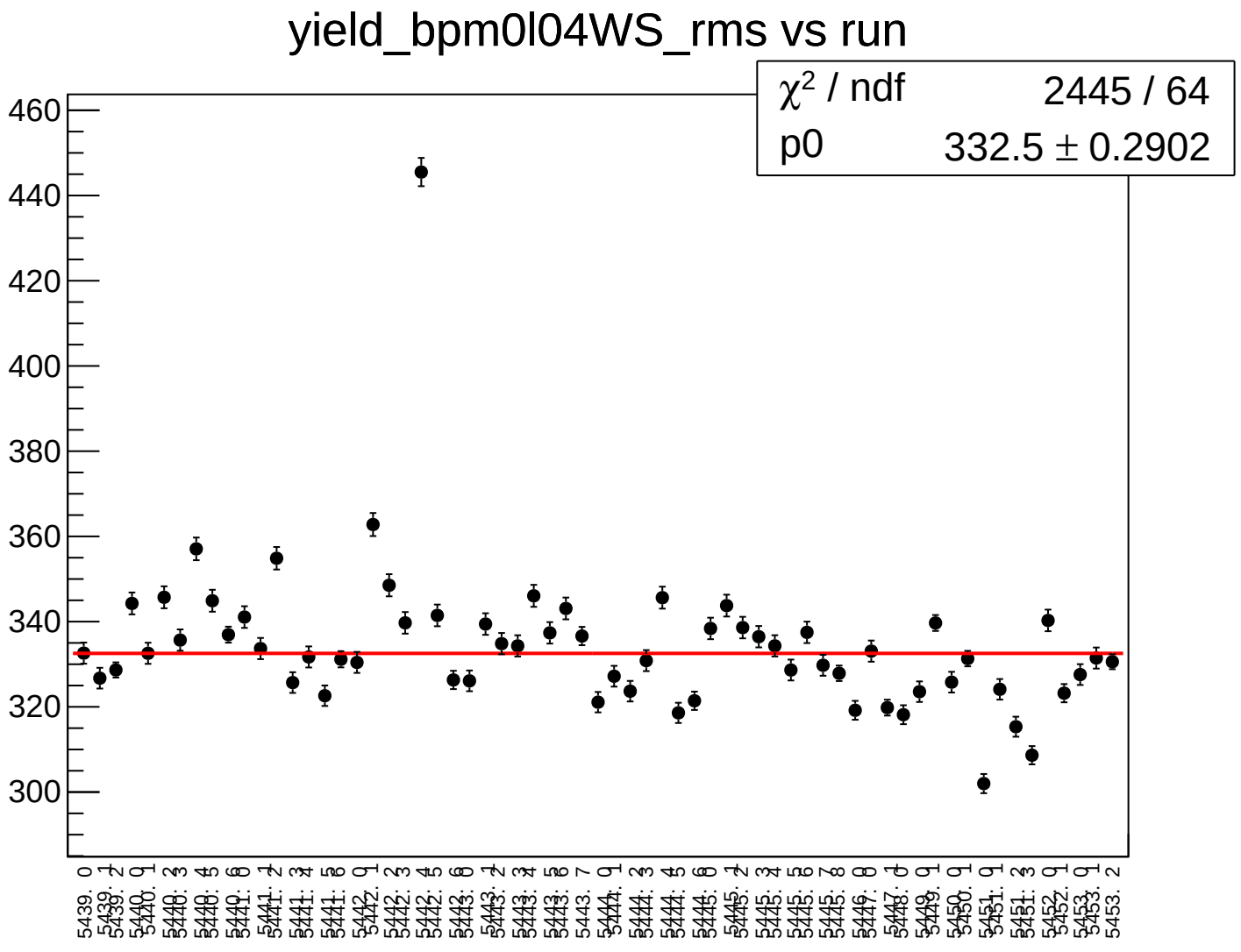

yield_bpm0l03WS_mean vs run
×10^3
127.9
127.8
127.7
127.6
127.5
χ² / ndf 3.88e+04 / 64
p0 1.277e+05 ± 0.3873
pull
Entries 65
Mean −181.8
Std Dev 88.44
40
20
0
−20
−40
−60
−80

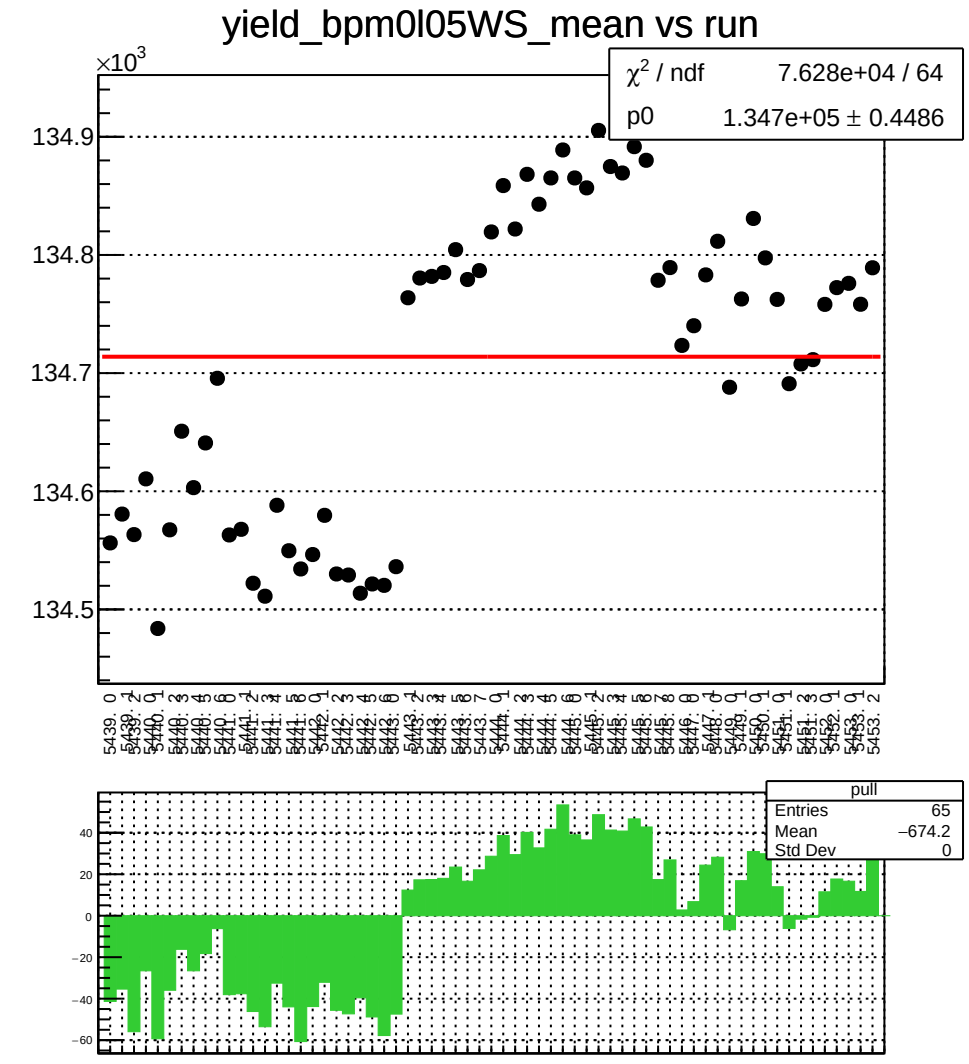

pull1D
Entries 65
Mean −0.6406
Std Dev 4.726
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

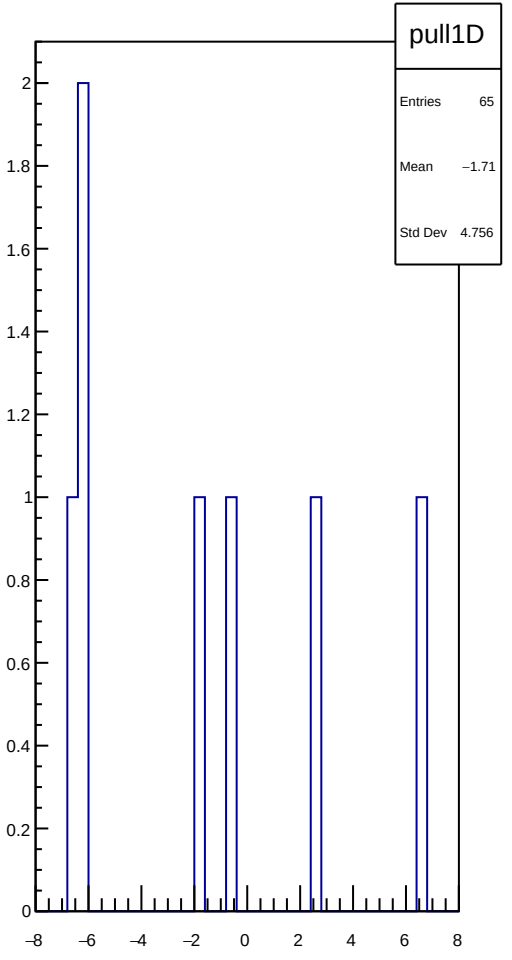

yield_bpm0l03WS_rms vs run
χ² / ndf 3525 / 64
p0 313.7 ± 0.2739
420
400
380
360
340
320
300
280

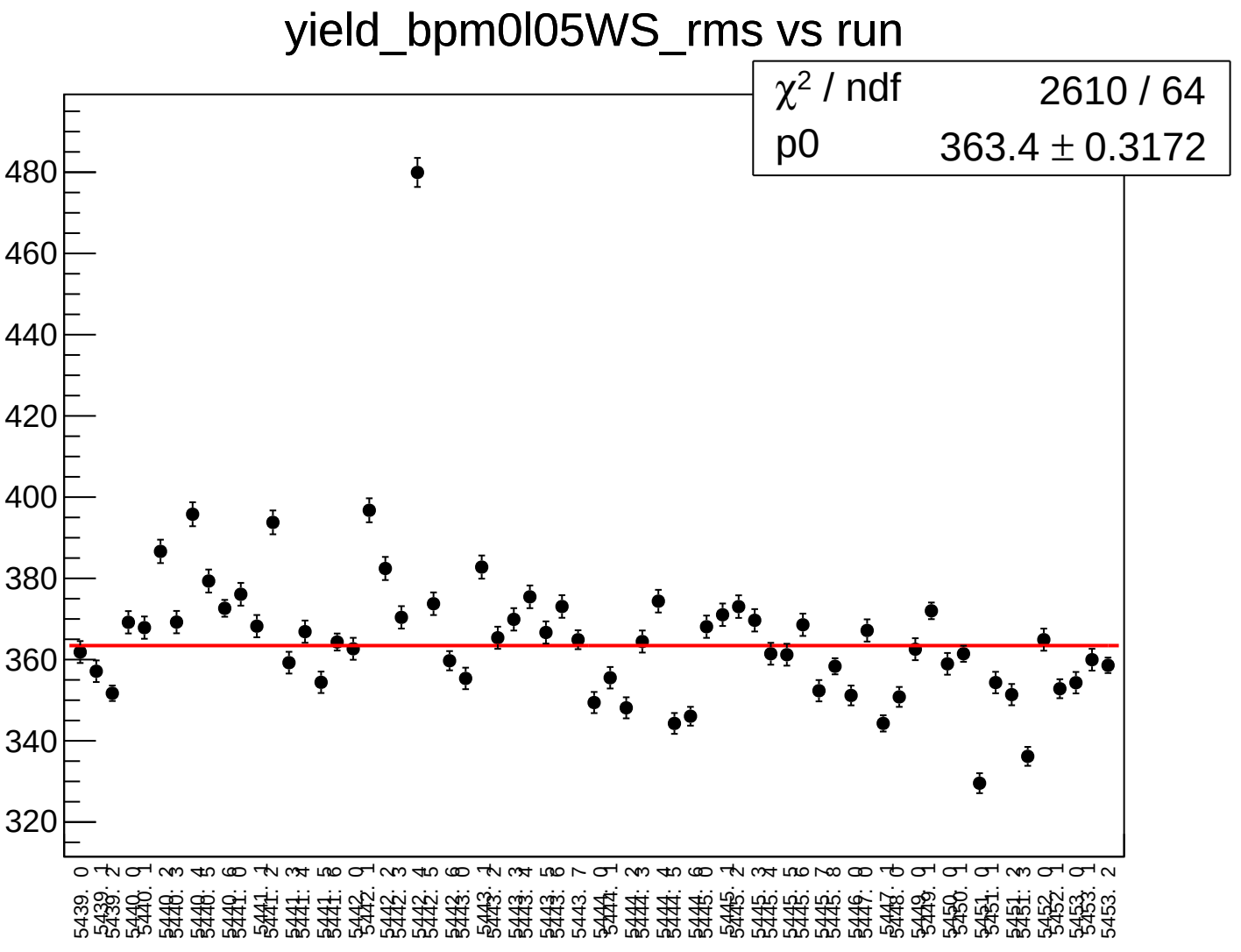

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 4.983e+04 / 64
p0 1.184e+05 ± 0.4104
118.6
118.5
118.4
118.3
118.2
pull
Entries 65
Mean 3165
Std Dev 0
80
60
40
20
0
−20
−40
−60

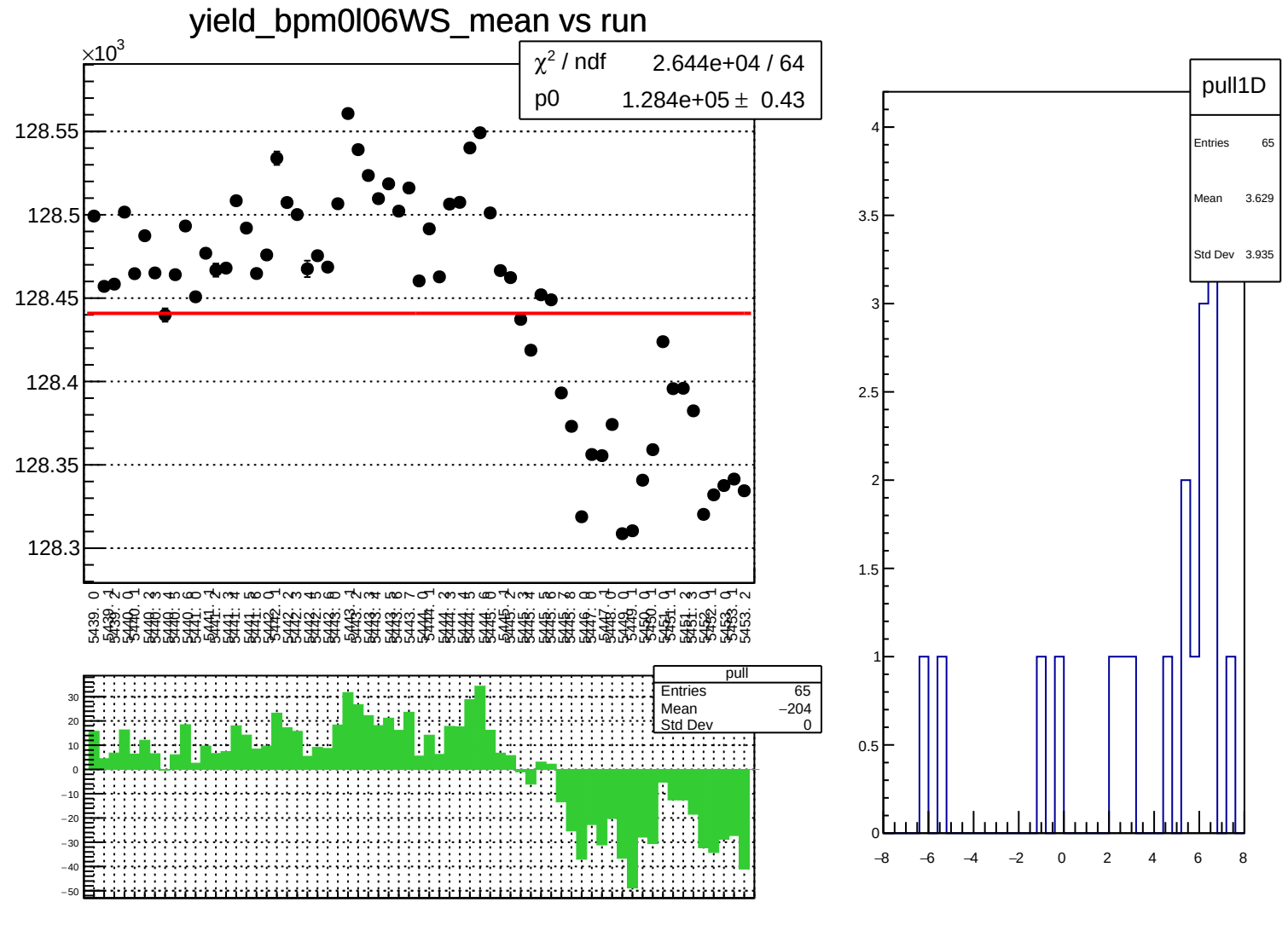

pull1D
Entries 65
Mean 0.01113
Std Dev 4.804
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

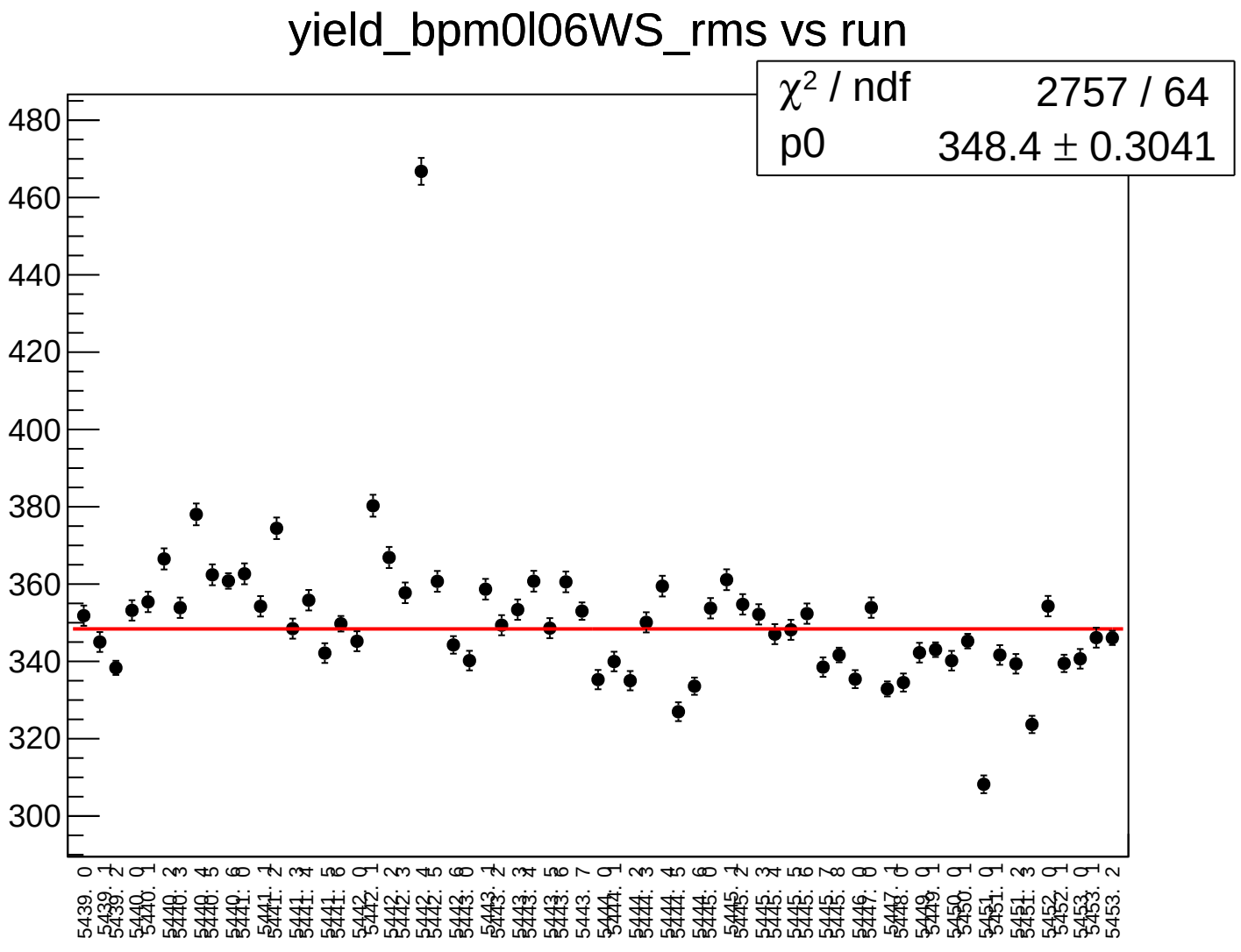

yield_bpm0l04WS_rms vs run
χ² / ndf 2445 / 64
p0 332.5 ± 0.2902
460
440
420
400
380
360
340
320
300

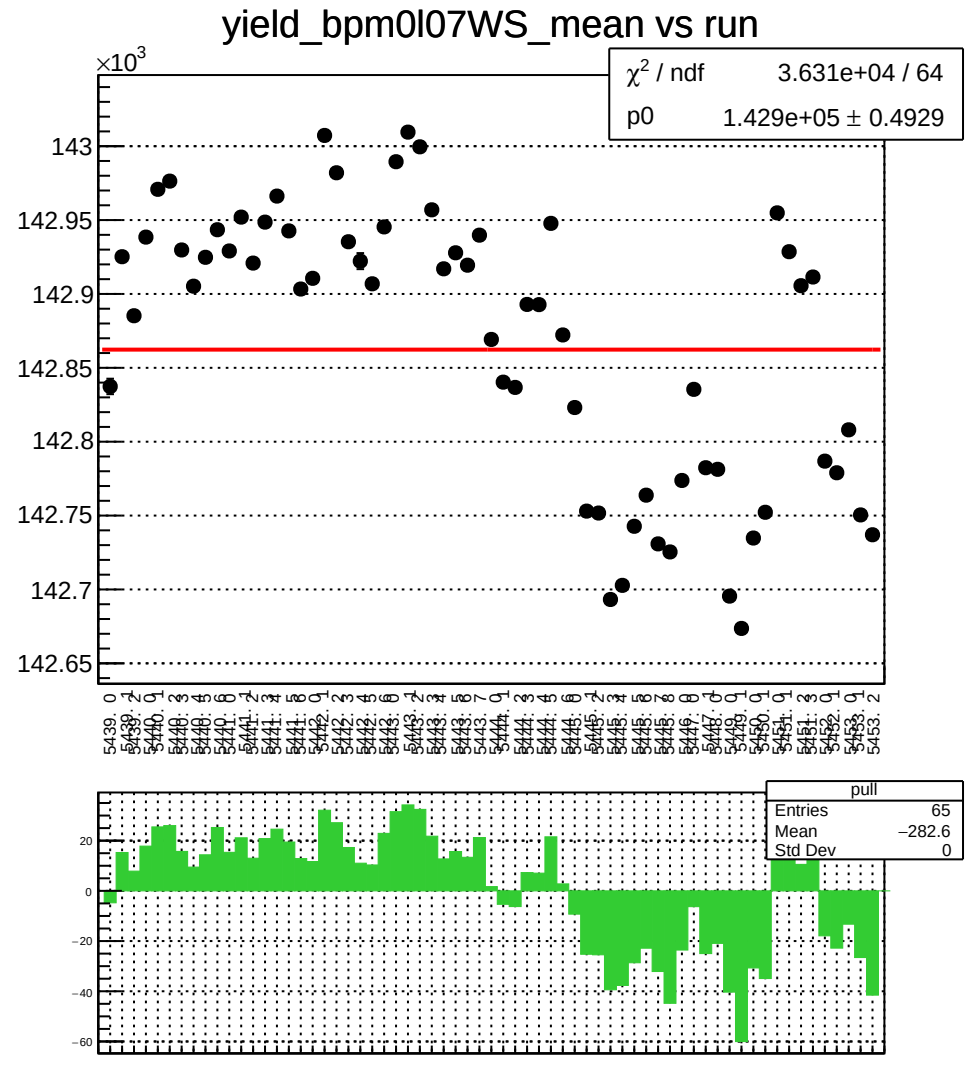

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 7.628e+04 / 64
p0 1.347e+05 ± 0.4486
134.9
134.8
134.7
134.6
134.5
pull
Entries 65
Mean −674.2
Std Dev 0
40
20
0
−20
−40
−60

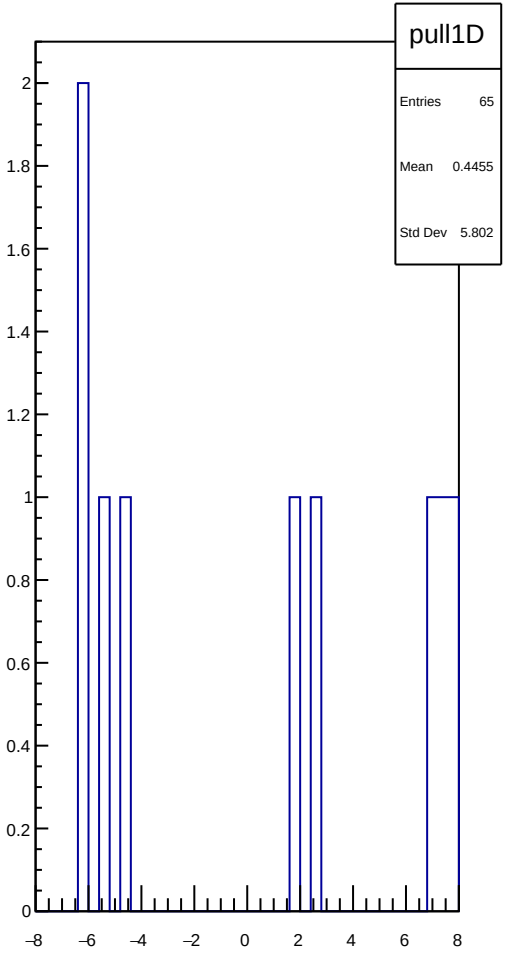

pull1D
Entries 65
Mean −1.71
Std Dev 4.756
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

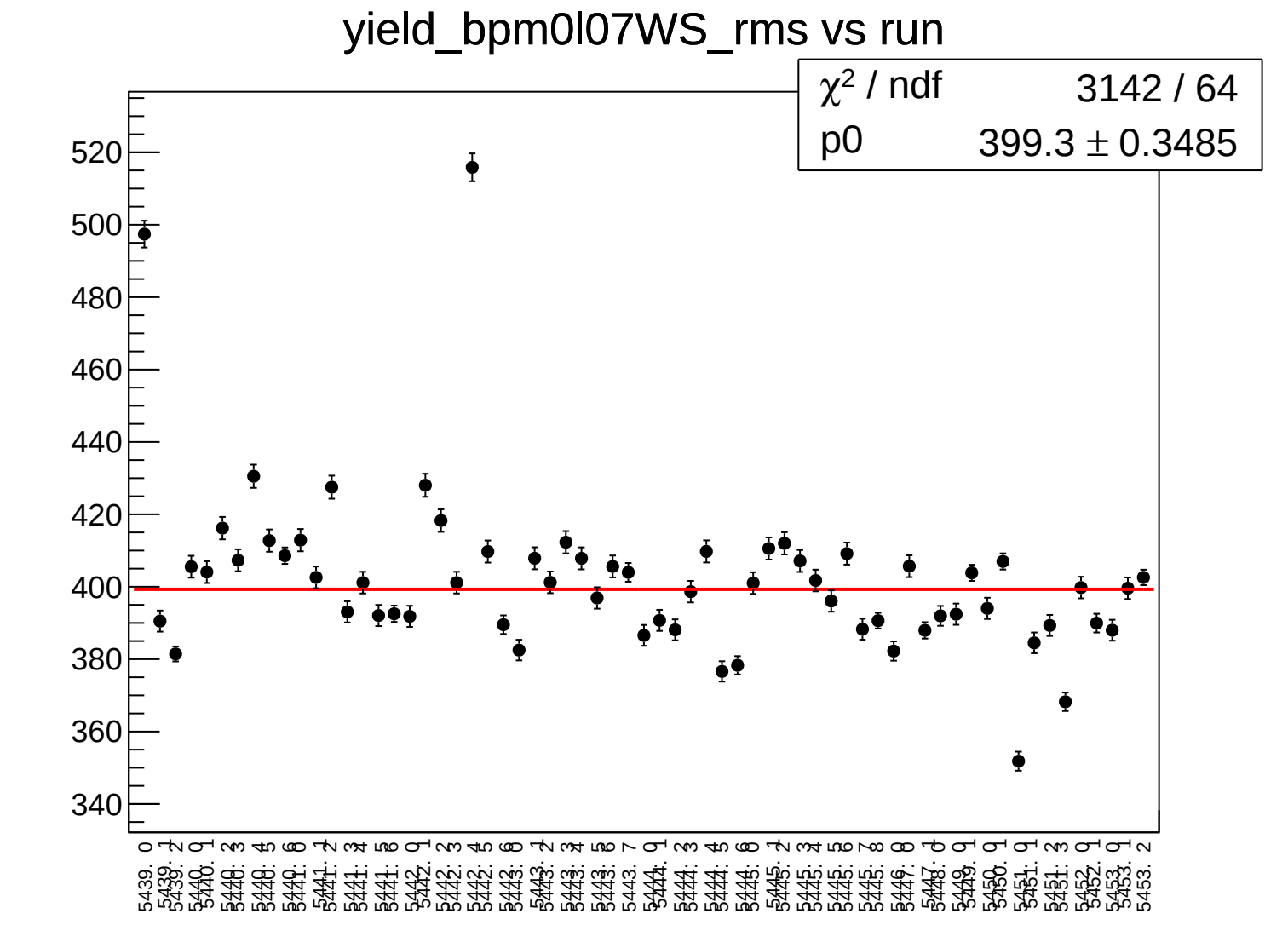

yield_bpm0l05WS_rms vs run
χ² / ndf 2610 / 64
p0 363.4 ± 0.3172
480
460
440
420
400
380
360
340
320

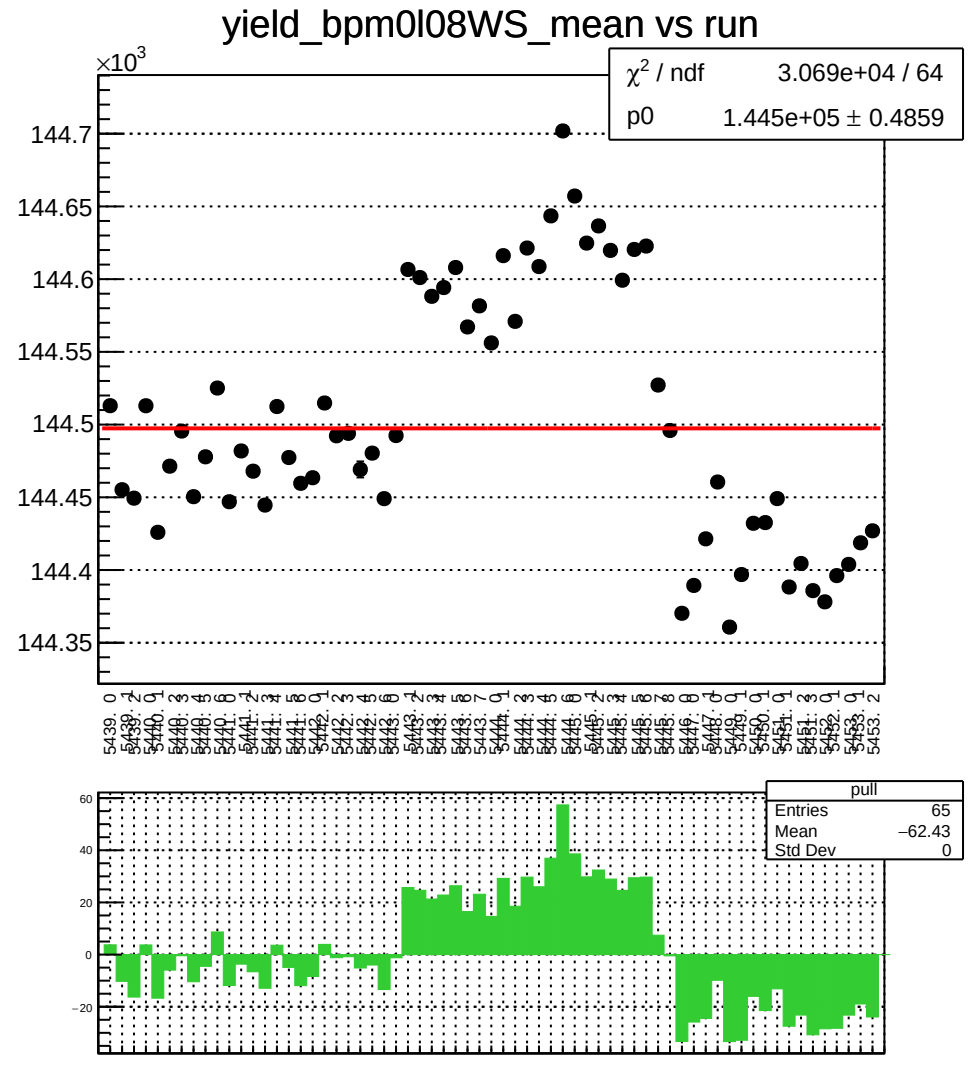

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 2.644e+04 / 64
p0 1.284e+05 ± 0.43
128.55
128.5
128.45
128.4
128.35
128.3
pull
Entries 65
Mean −204
Std Dev 0
pull1D
Entries 65
Mean 3.629
Std Dev 3.935

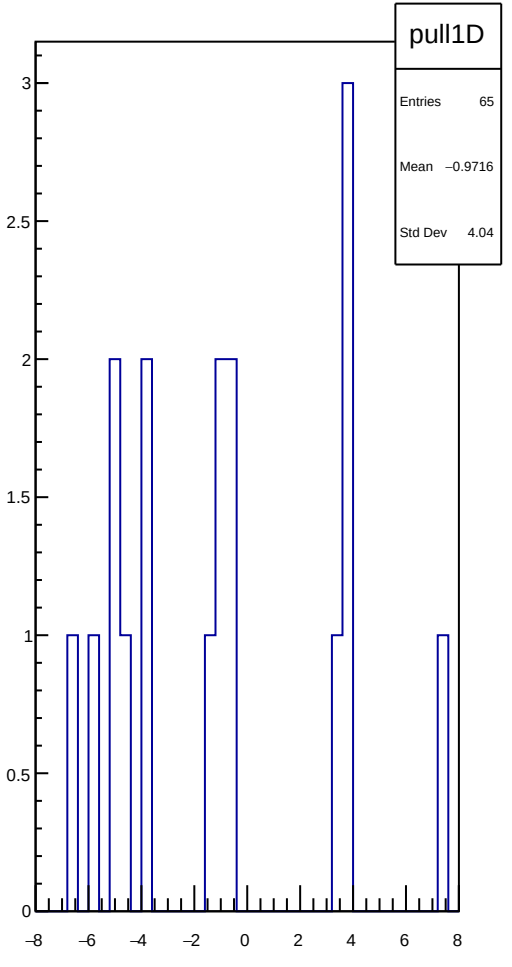

yield_bpm0l06WS_rms vs run
χ² / ndf 2757 / 64
p0 348.4 ± 0.3041
480
460
440
420
400
380
360
340
320
300

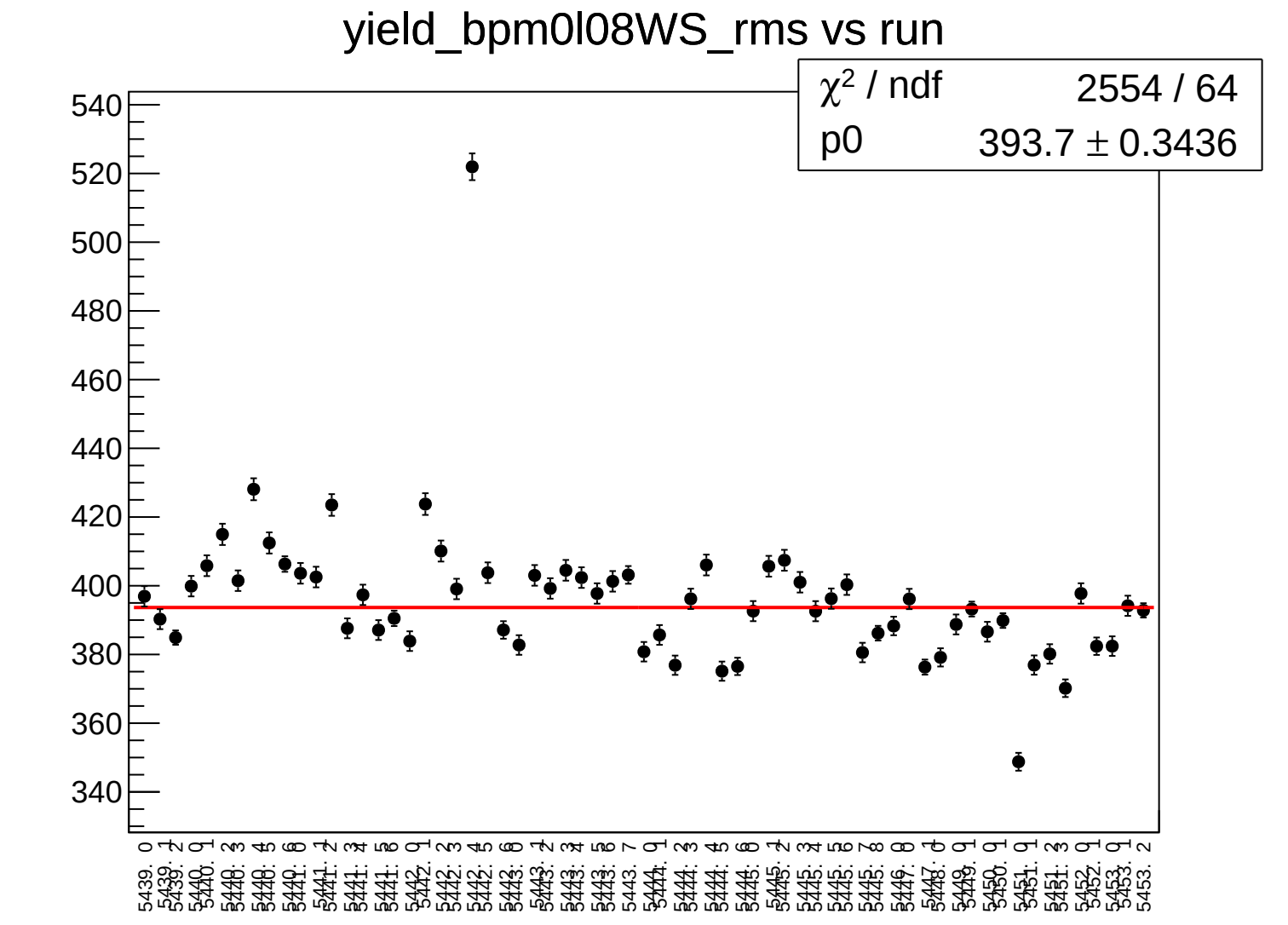

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 3.631e+04 / 64
p0 1.429e+05 ± 0.4929
143
142.95
142.9
142.85
142.8
142.75
142.7
142.65
pull
Entries 65
Mean −282.6
Std Dev 0
20
0
−20
−40
−60

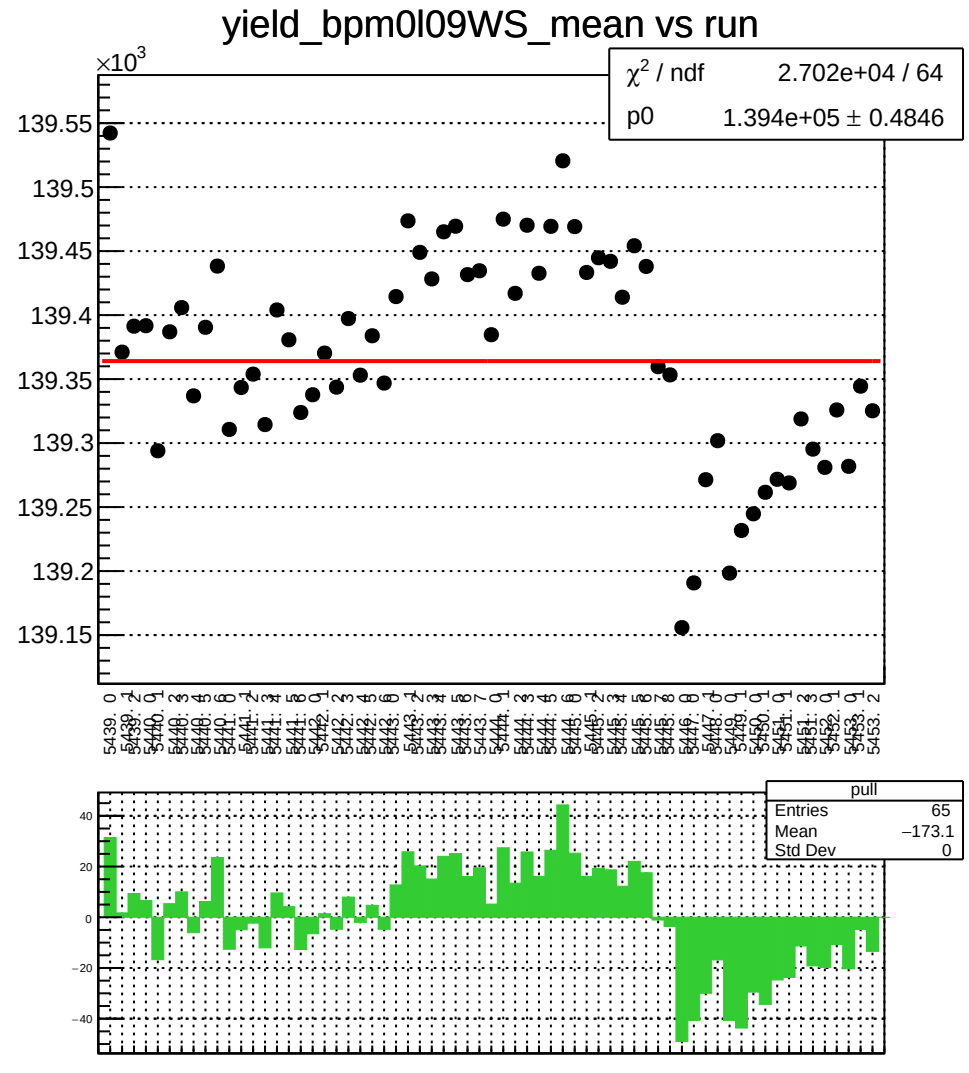

pull1D
Entries 65
Mean 0.4455
Std Dev 5.802
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

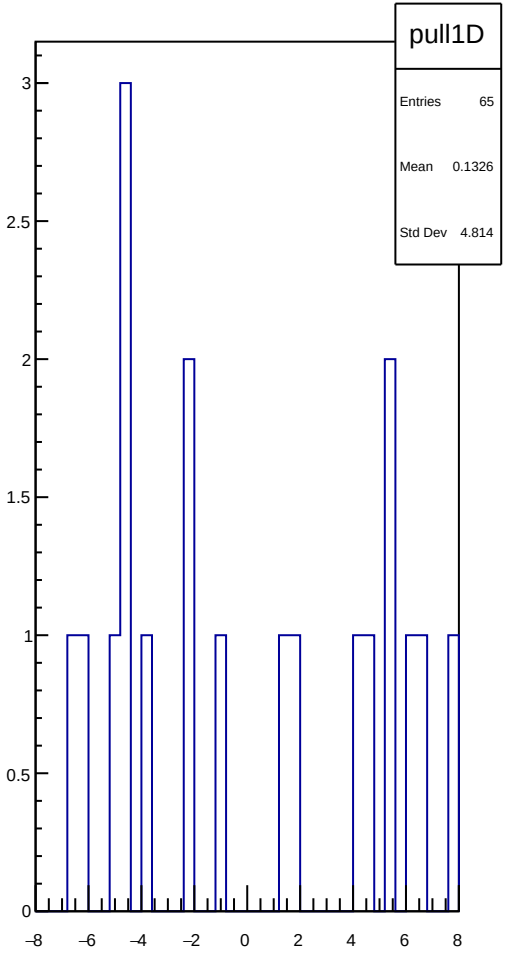

yield_bpm0l07WS_rms vs run
χ² / ndf 3142 / 64
p0 399.3 ± 0.3485
520
500
480
460
440
420
400
380
360
340

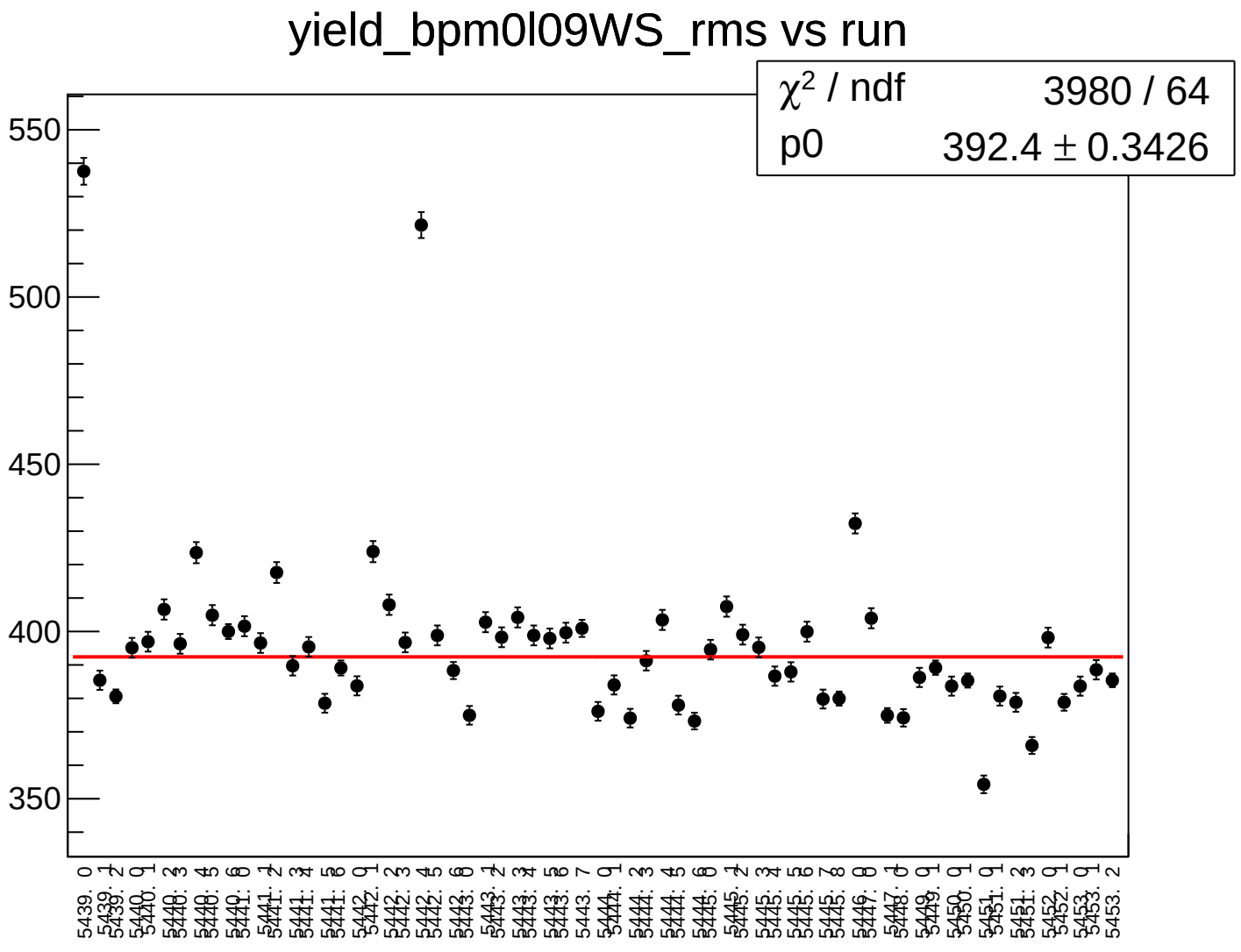

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 3.069e+04 / 64
p0 1.445e+05 ± 0.4859
144.7
144.65
144.6
144.55
144.5
144.45
144.4
144.35
pull
Entries 65
Mean −62.43
Std Dev 0
60
40
20
0
−20

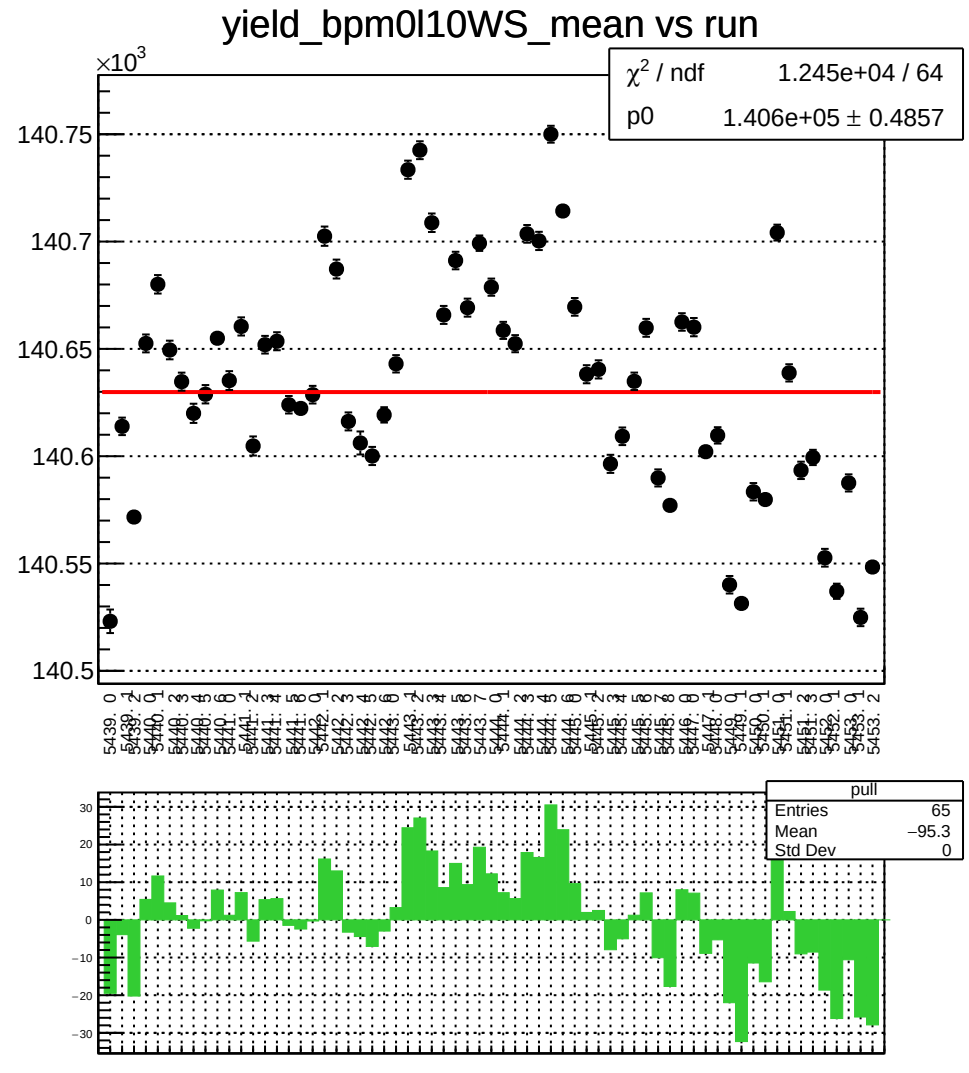

pull1D
Entries 65
Mean −0.9716
Std Dev 4.04
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

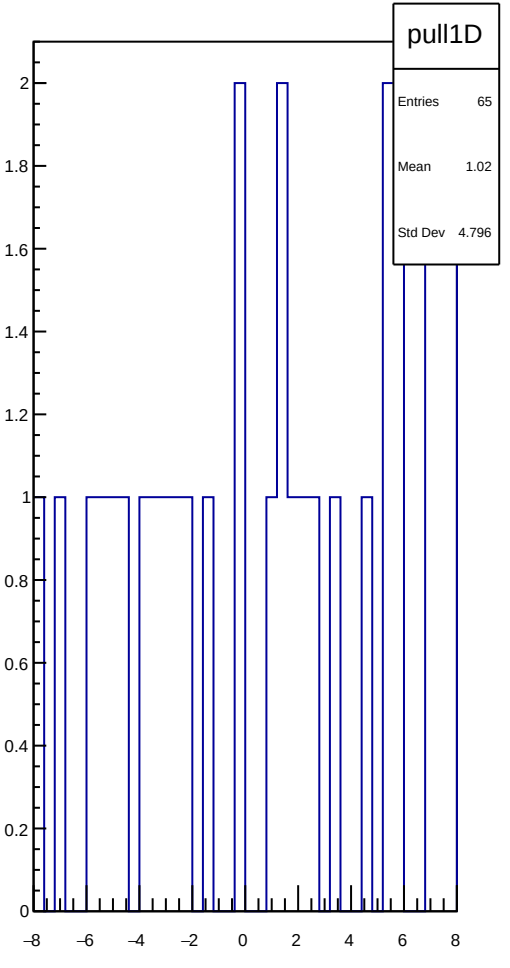

yield_bpm0l08WS_rms vs run
χ² / ndf 2554 / 64
p0 393.7 ± 0.3436
540
520
500
480
460
440
420
400
380
360
340

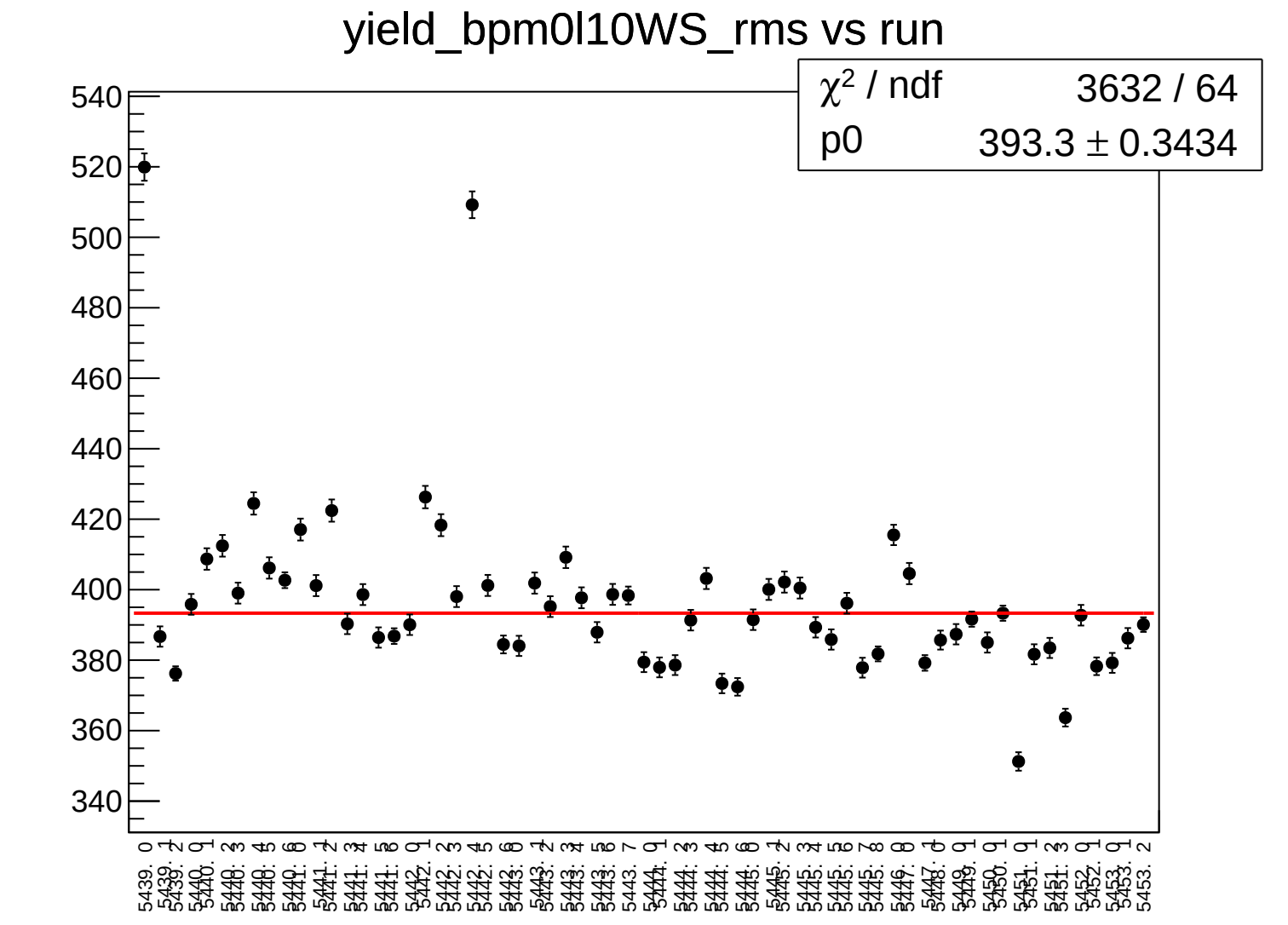

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 2.702e+04 / 64
p0 1.394e+05 ± 0.4846
139.55
139.5
139.45
139.4
139.35
139.3
139.25
139.2
139.15
pull
Entries 65
Mean −173.1
Std Dev 0
40
20
0
−20
−40

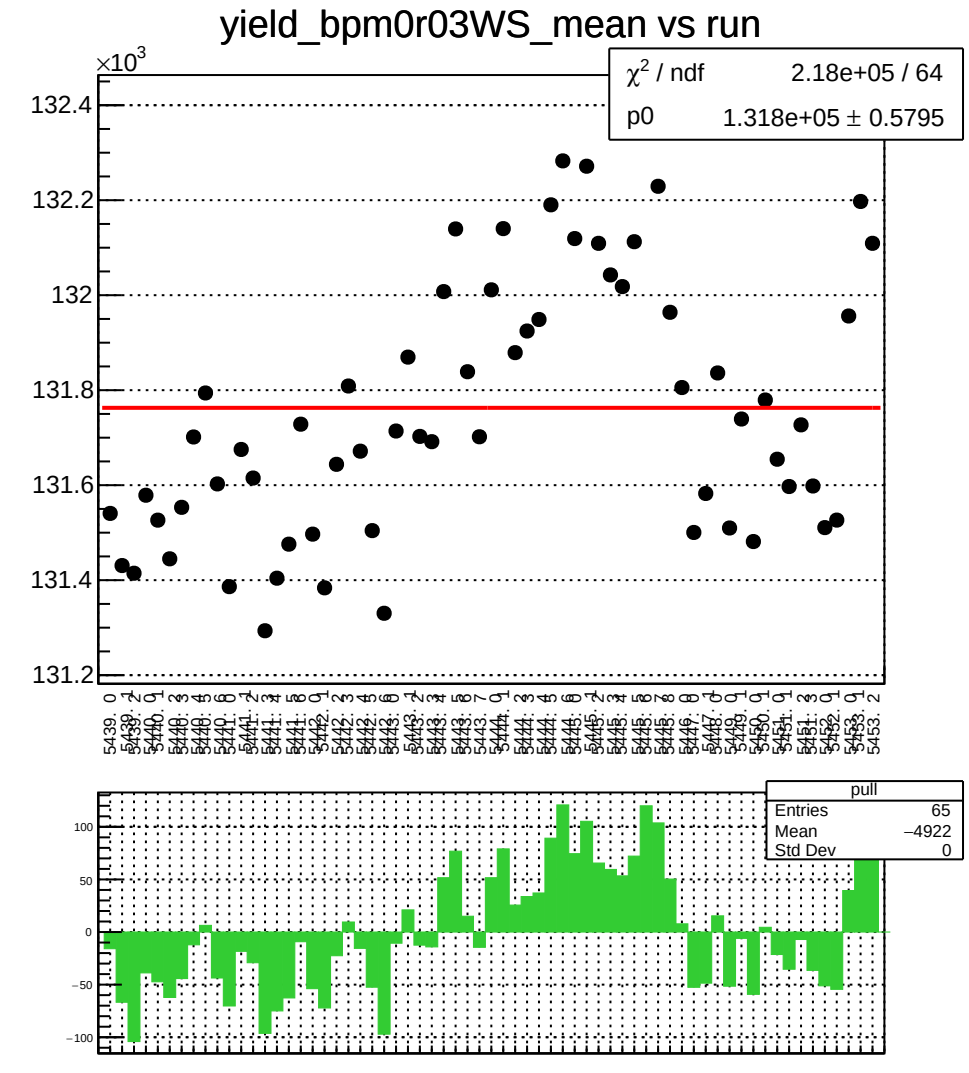

pull1D
Entries 65
Mean 0.1326
Std Dev 4.814
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

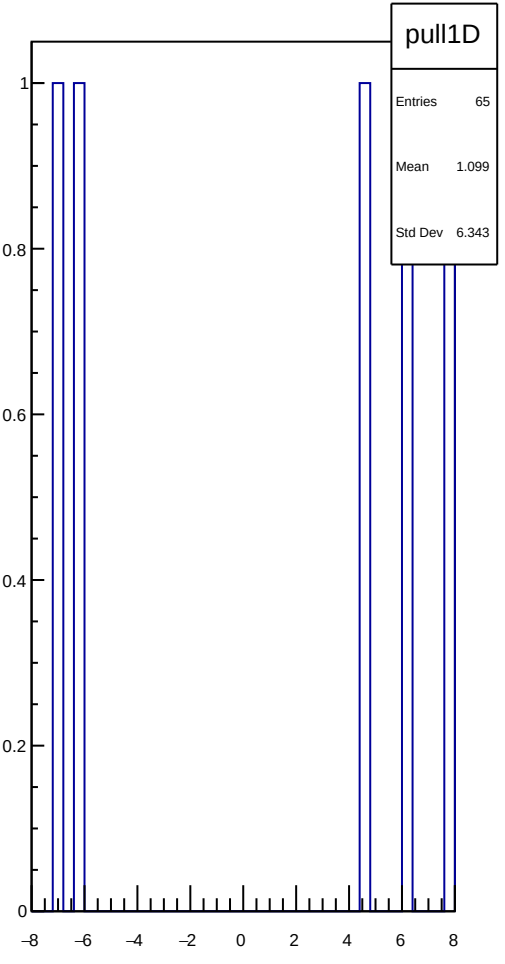

yield_bpm0l09WS_rms vs run
χ² / ndf 3980 / 64
p0 392.4 ± 0.3426
550
500
450
400
350

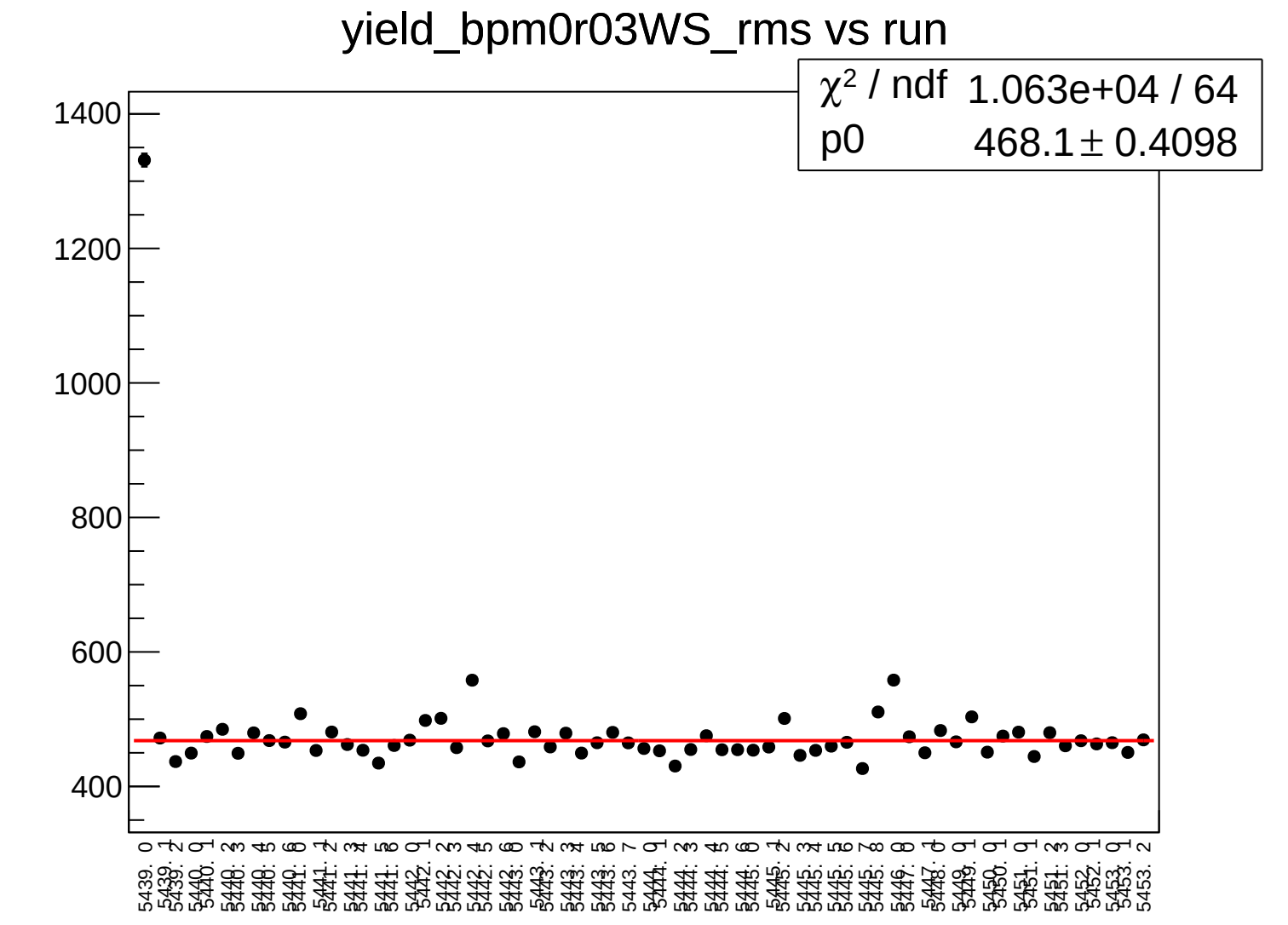

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.245e+04 / 64
p0 1.406e+05 ± 0.4857
140.75
140.7
140.65
140.6
140.55
140.5
pull
Entries 65
Mean −95.3
Std Dev 0
30
20
10
0
−10
−20
−30

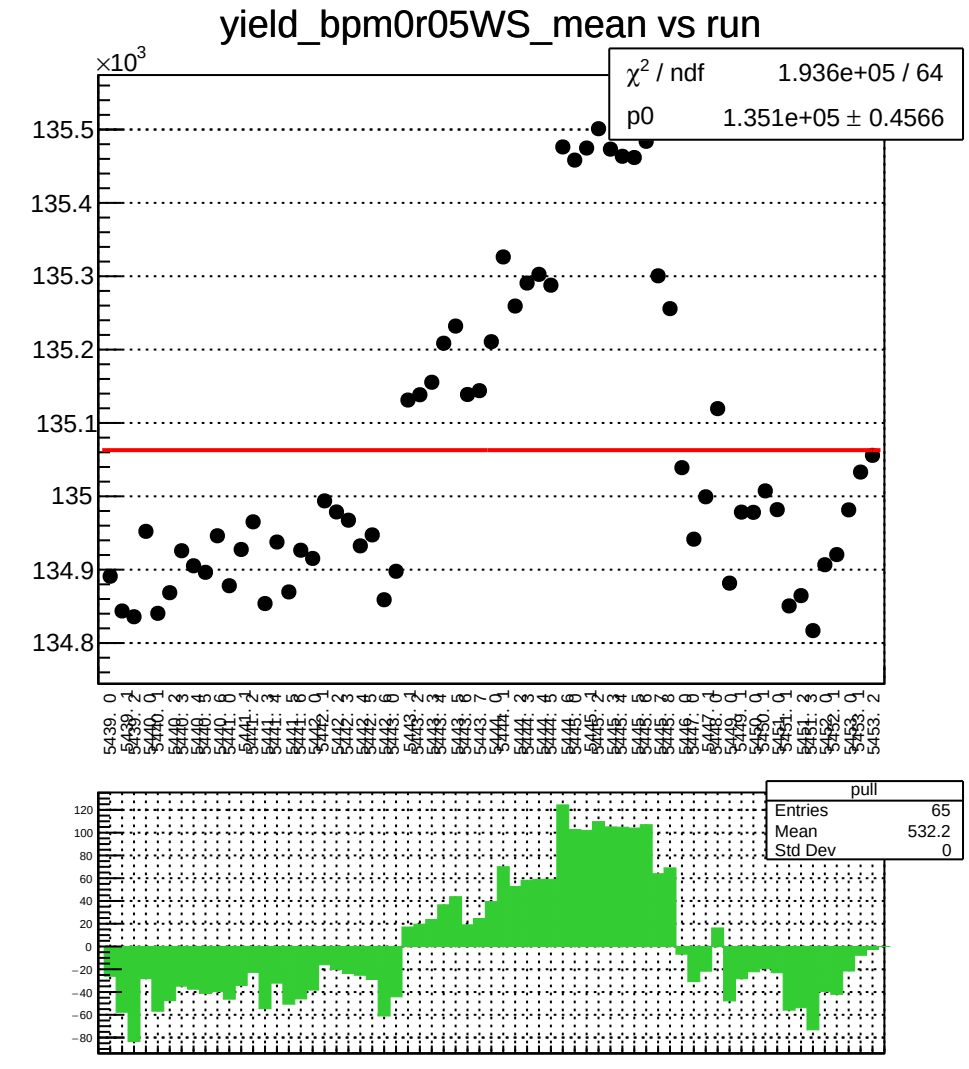

pull1D
Entries 65
Mean 1.02
Std Dev 4.796
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

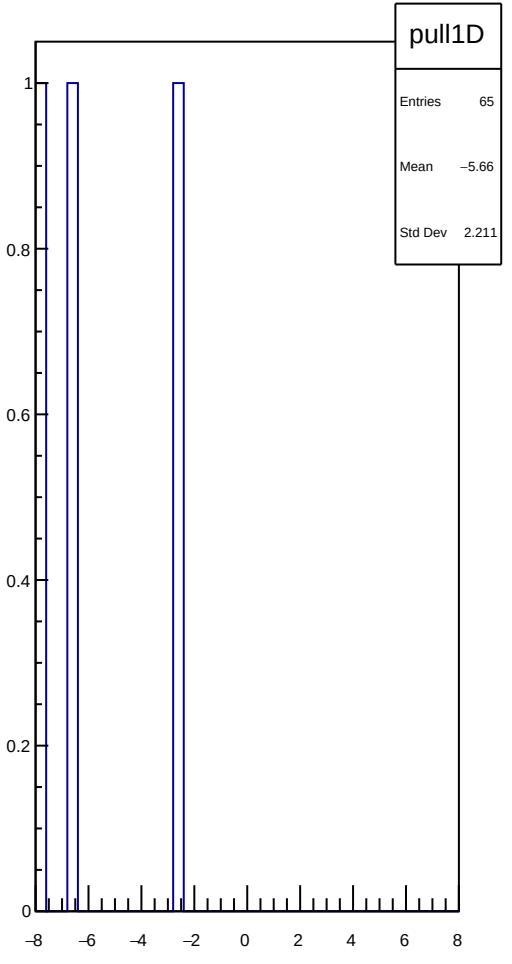

yield_bpm0l10WS_rms vs run
χ² / ndf 3632 / 64
p0 393.3 ± 0.3434
540
520
500
480
460
440
420
400
380
360
340

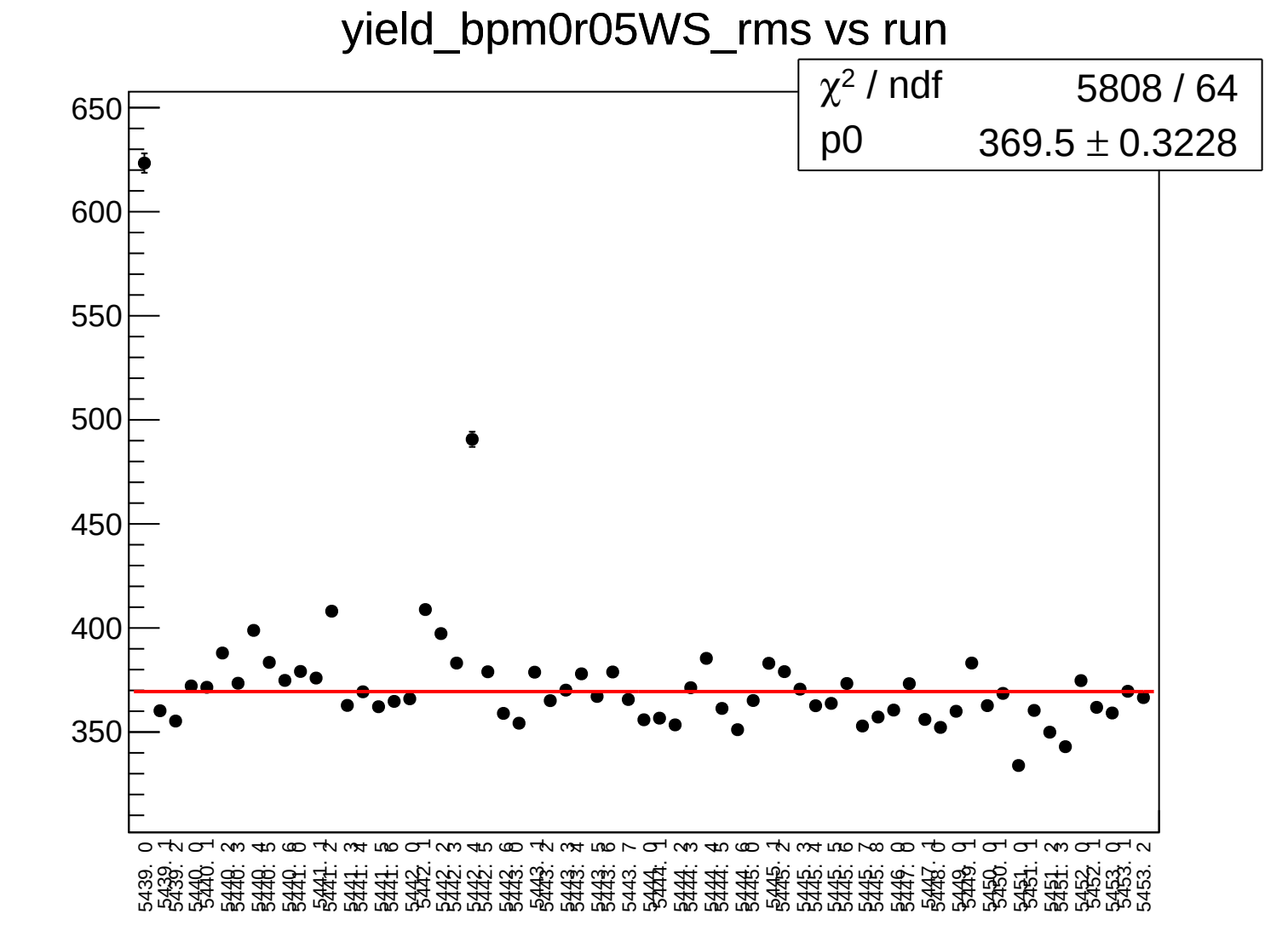

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 2.18e+05 / 64
p0 1.318e+05 ± 0.5795
132.4
132.2
132
131.8
131.6
131.4
131.2
pull
Entries 65
Mean −4922
Std Dev 0
100
50
0
−50
−100

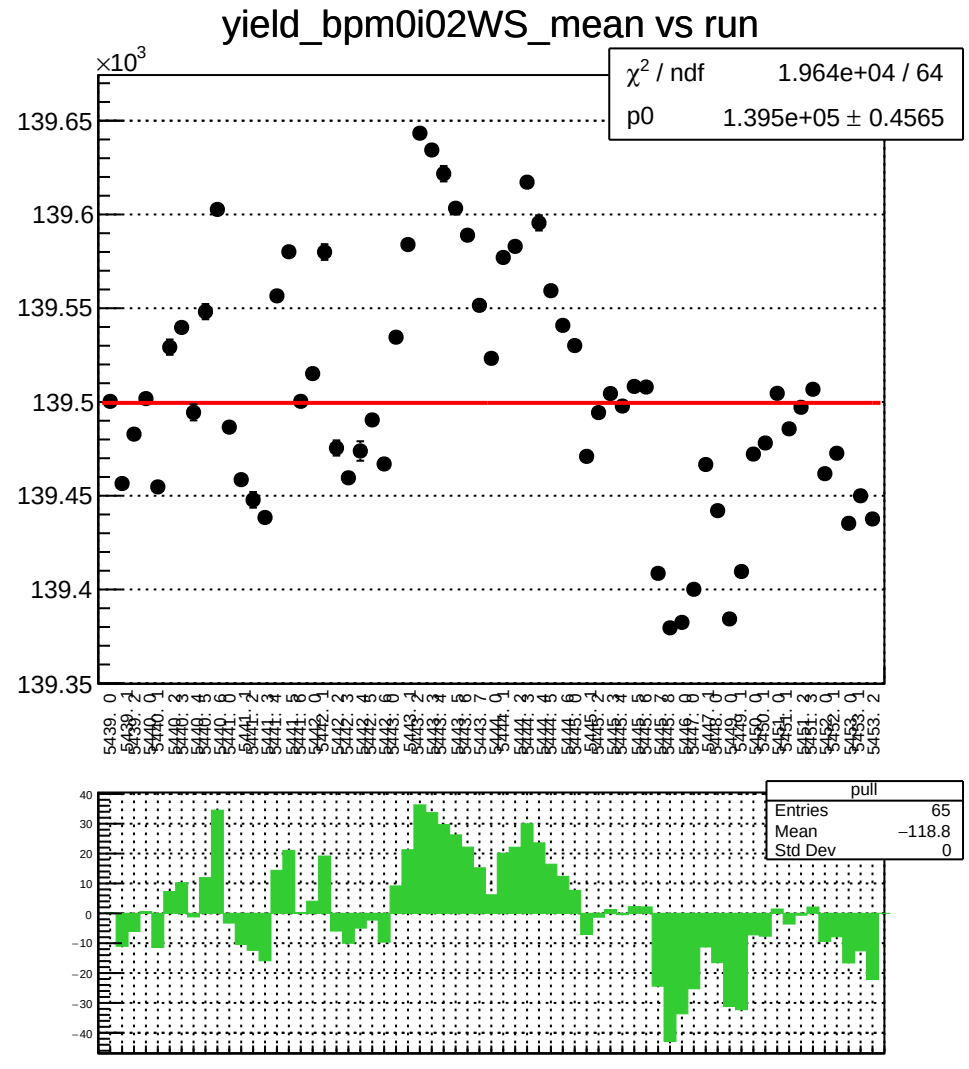

pull1D
Entries 65
Mean 1.099
Std Dev 6.343
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

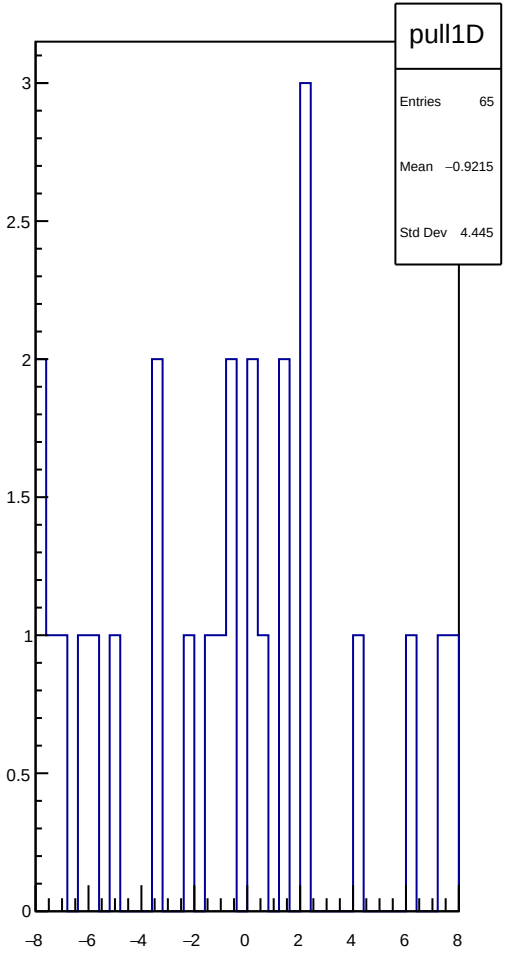

yield_bpm0r03WS_rms vs run
χ² / ndf 1.063e+04 / 64
p0 468.1 ± 0.4098
1400
1200
1000
800
600
400

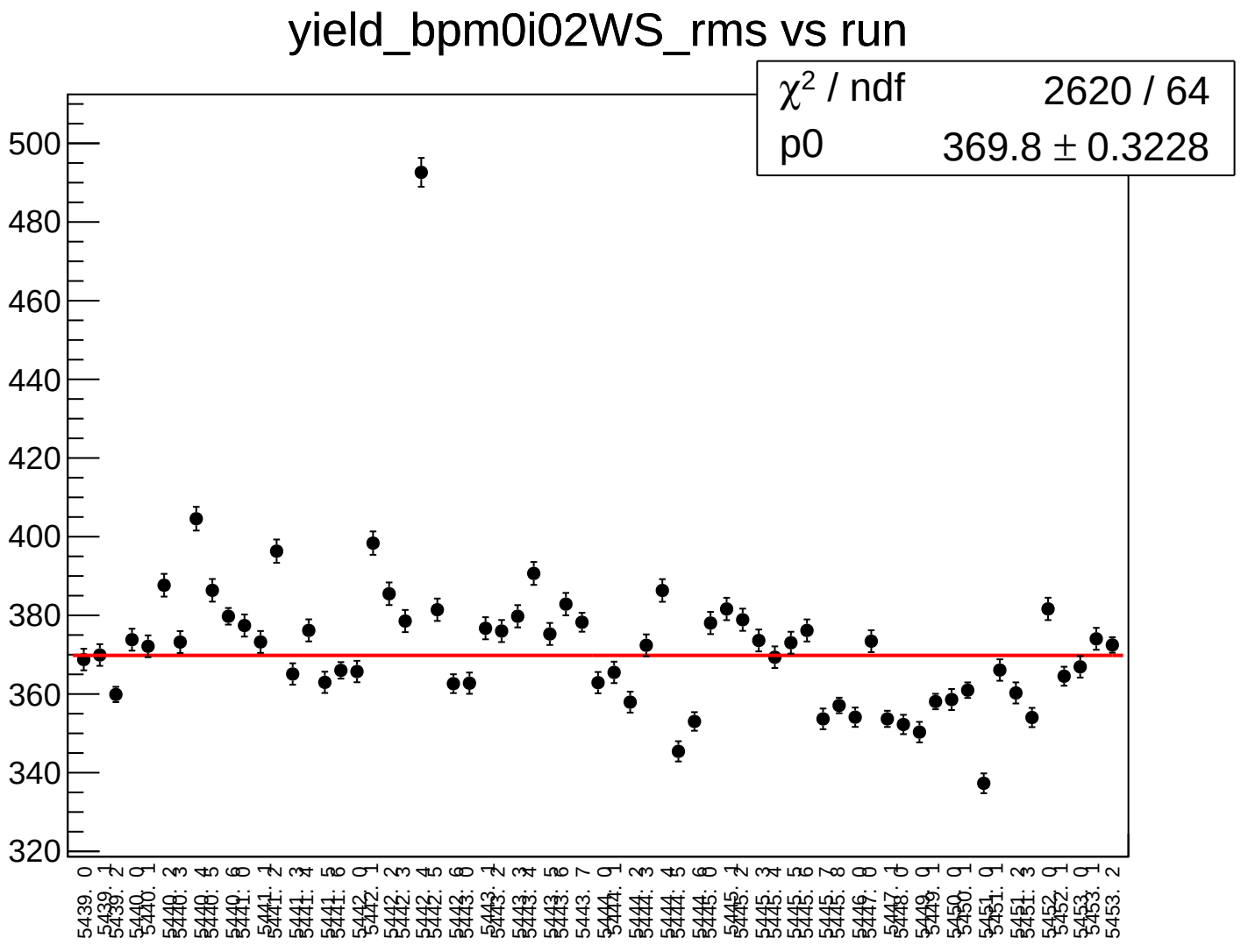

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.936e+05 / 64
p0 1.351e+05 ± 0.4566
135.5
135.4
135.3
135.2
135.1
135
134.9
134.8
pull
Entries 65
Mean 532.2
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

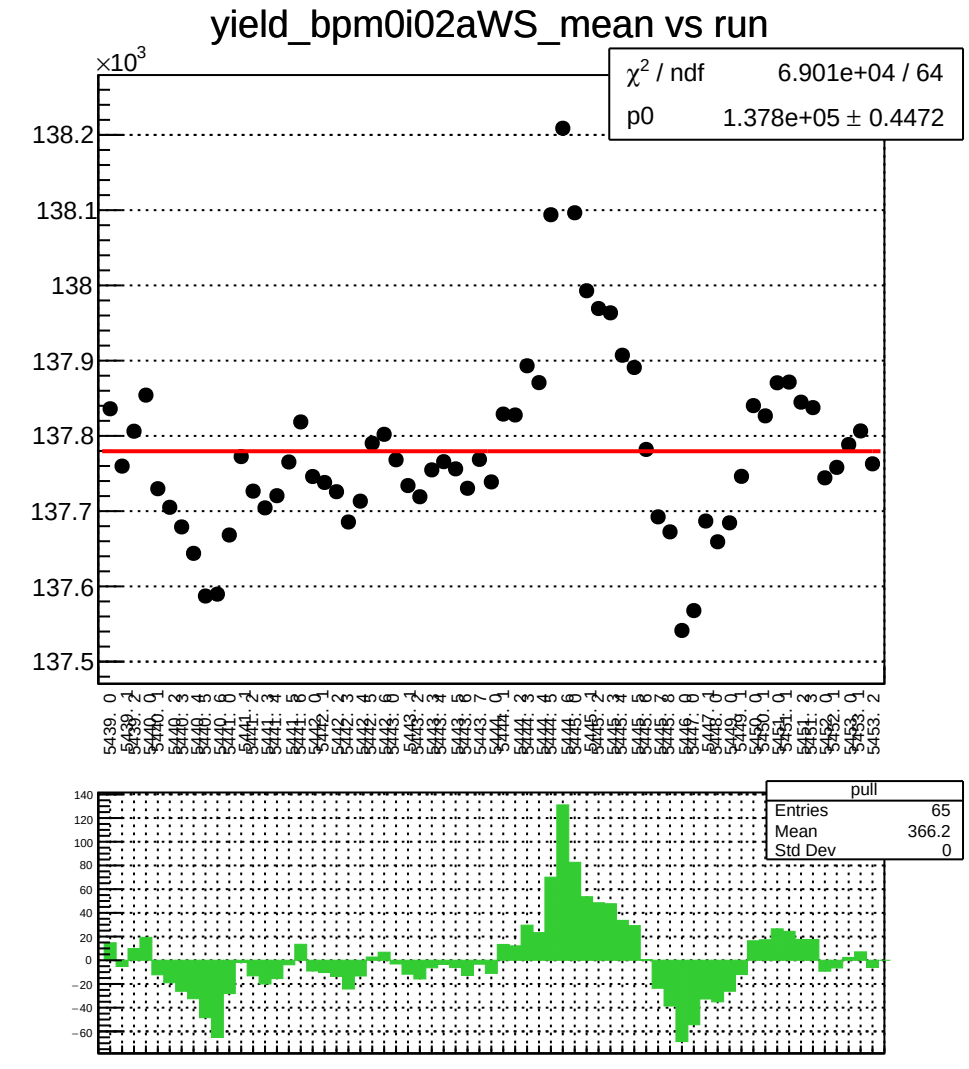

pull1D
Entries 65
Mean −5.66
Std Dev 2.211
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

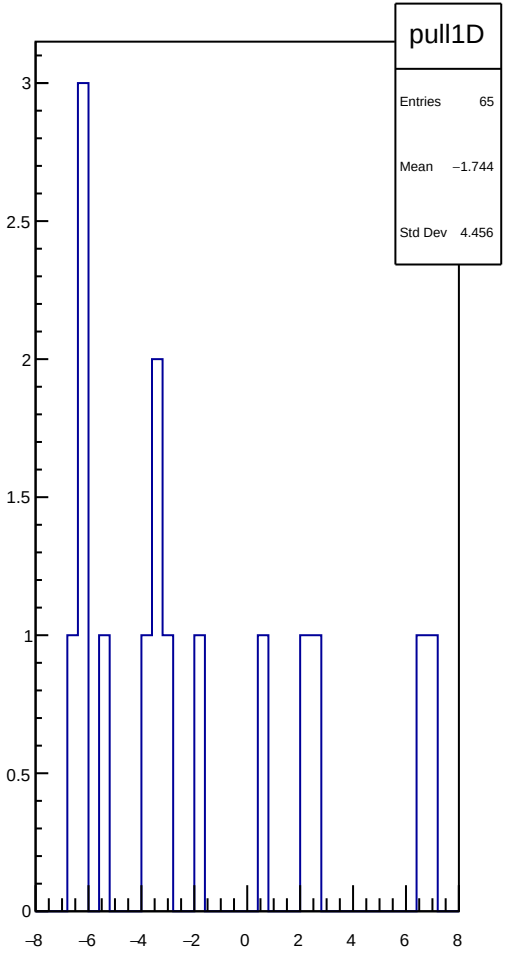

yield_bpm0r05WS_rms vs run
χ² / ndf 5808 / 64
p0 369.5 ± 0.3228
650
600
550
500
450
400
350

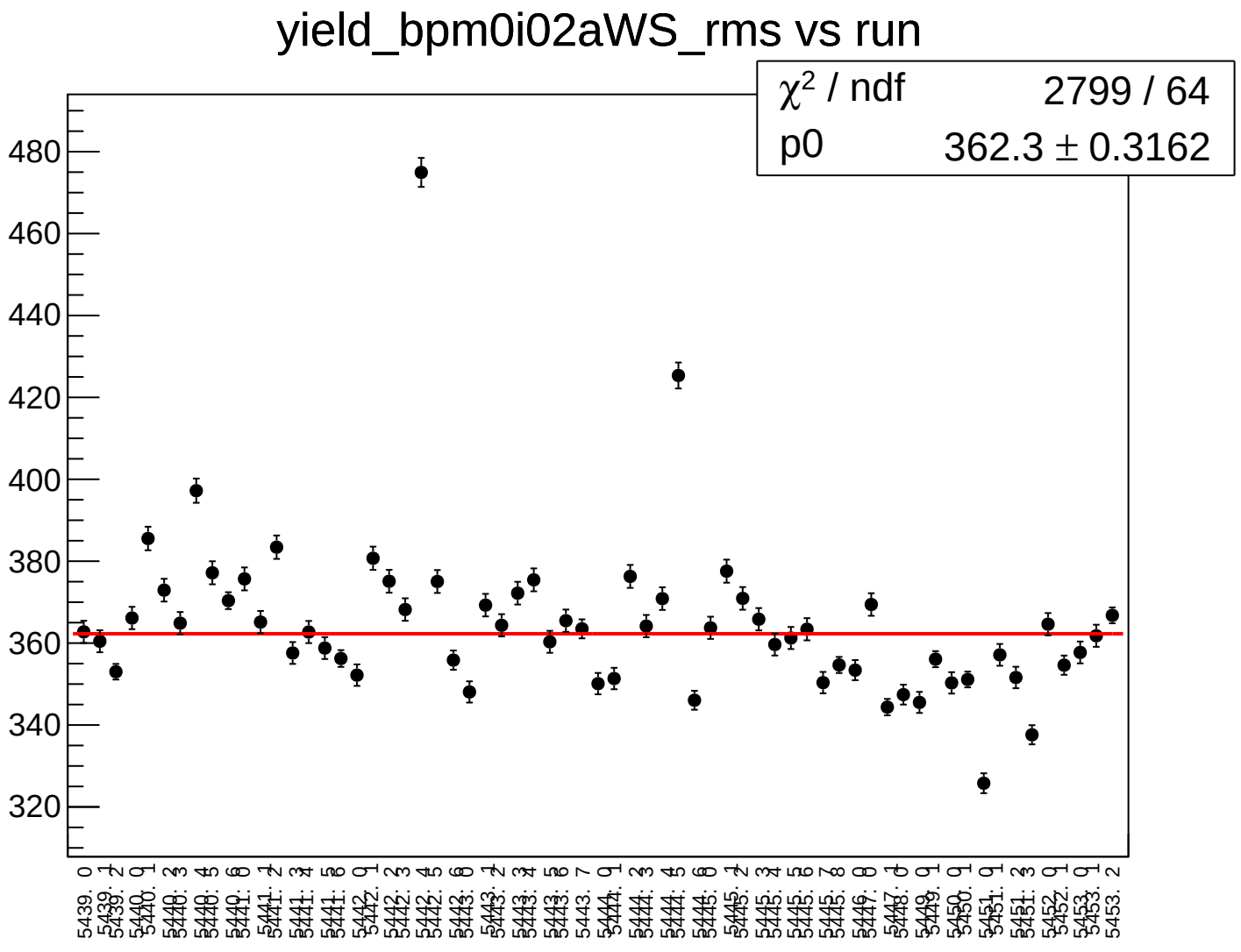

yield_bpm0i02WS_mean vs run
χ² / ndf 1.964e+04 / 64
p0 1.395e+05 ± 0.4565
×10³
139.65
139.6
139.55
139.5
139.45
139.4
139.35
pull
Entries 65
Mean −118.8
Std Dev 0

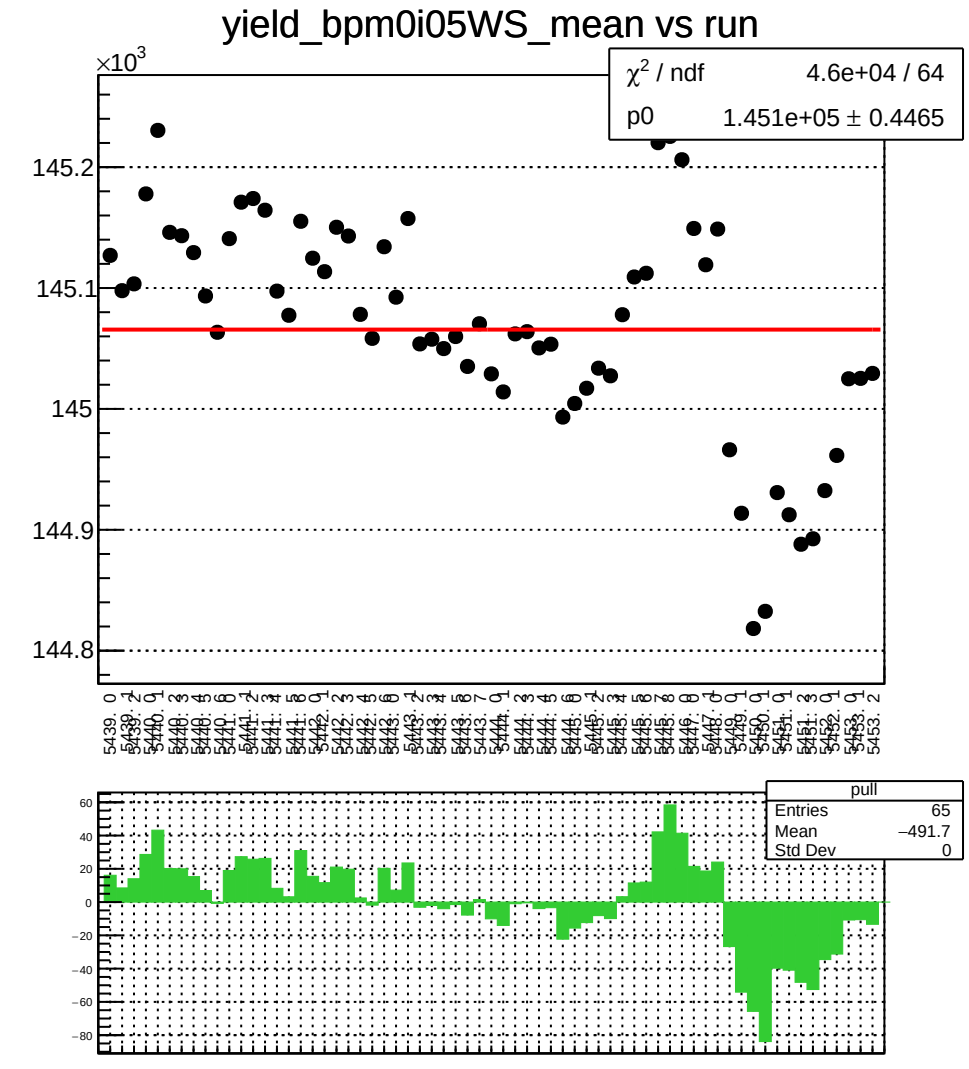

pull1D
Entries 65
Mean −0.9215
Std Dev 4.445

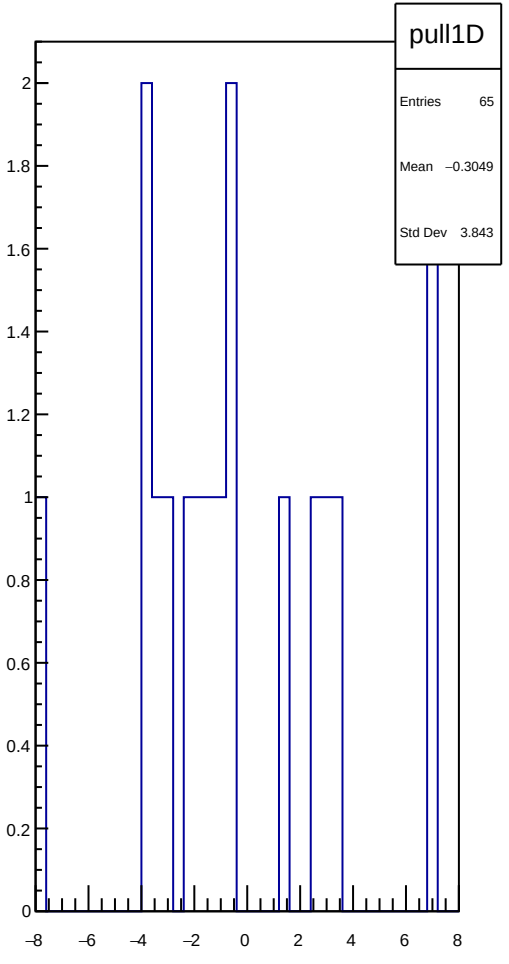

yield_bpm0i02WS_rms vs run
χ² / ndf 2620 / 64
p0 369.8 ± 0.3228
500
480
460
440
420
400
380
360
340
320

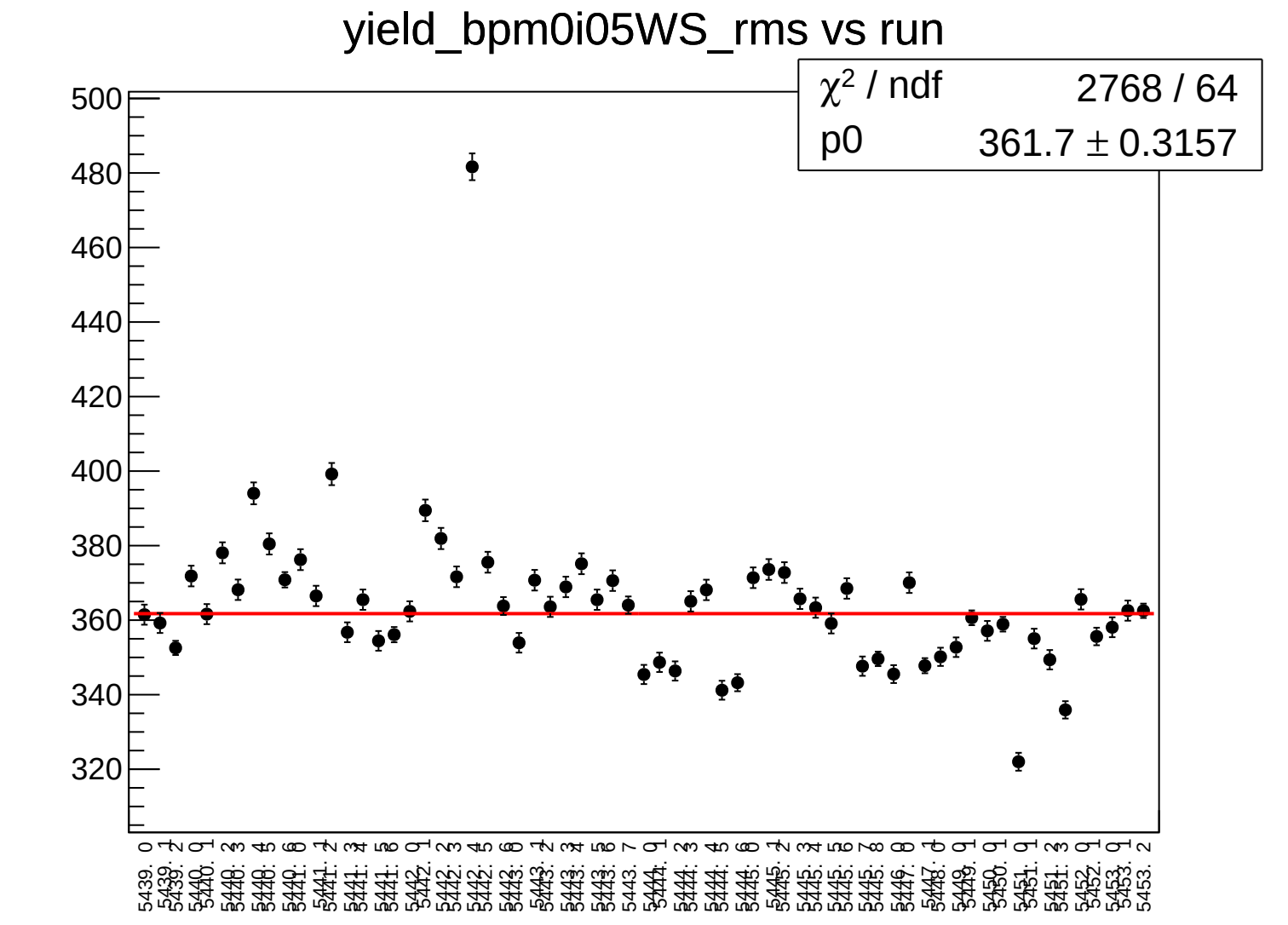

yield_bpm0i02aWS_mean vs run
χ² / ndf 6.901e+04 / 64
p0 1.378e+05 ± 0.4472
×10³
138.2
138.1
138
137.9
137.8
137.7
137.6
137.5
pull
Entries 65
Mean 366.2
Std Dev 0

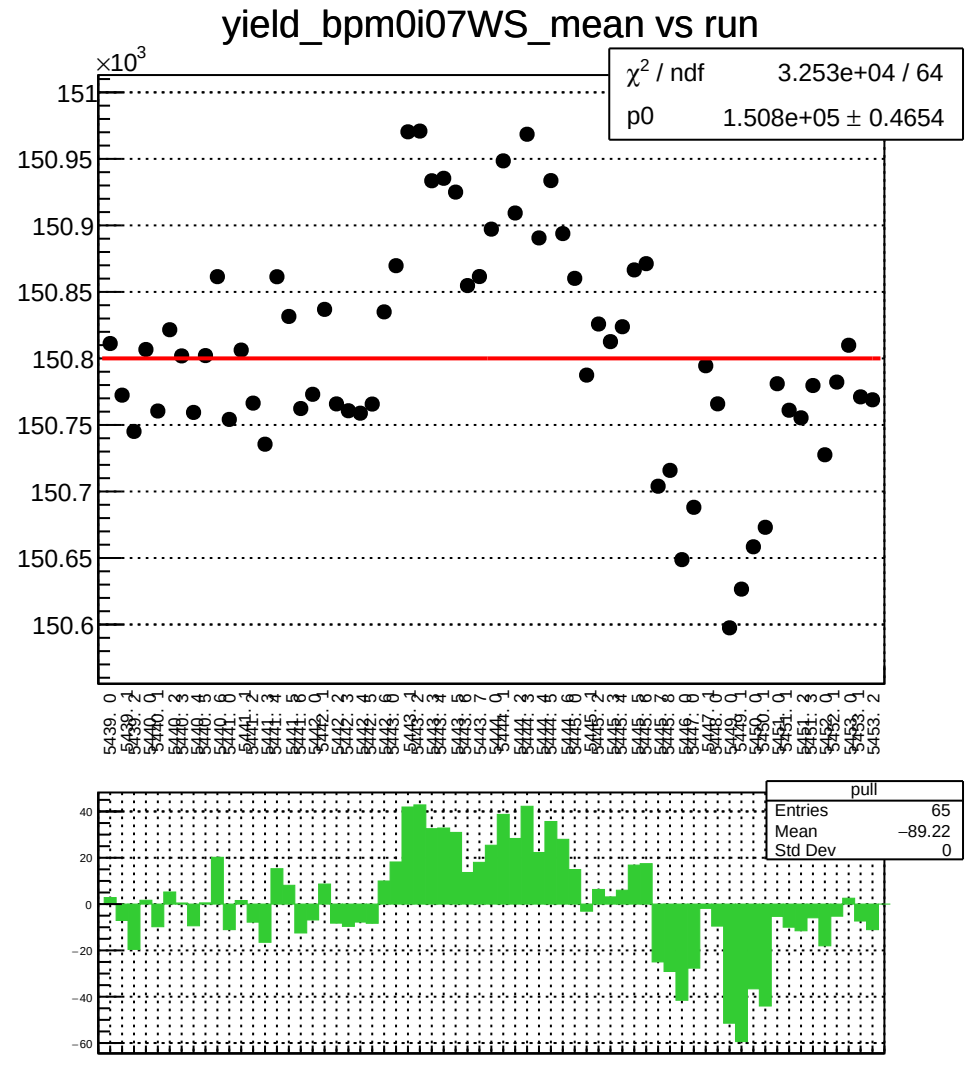

pull1D
Entries 65
Mean −1.744
Std Dev 4.456

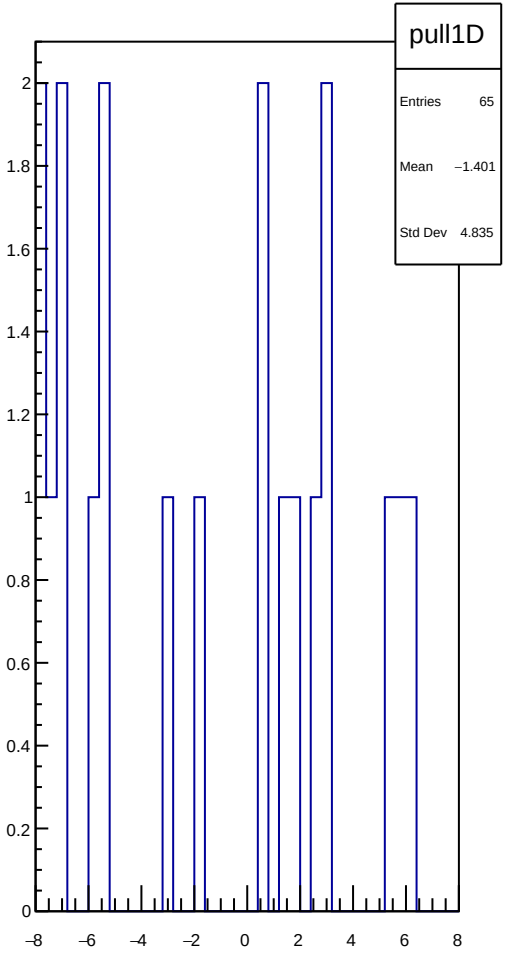

yield_bpm0i02aWS_rms vs run
χ² / ndf 2799 / 64
p0 362.3 ± 0.3162
480
460
440
420
400
380
360
340
320

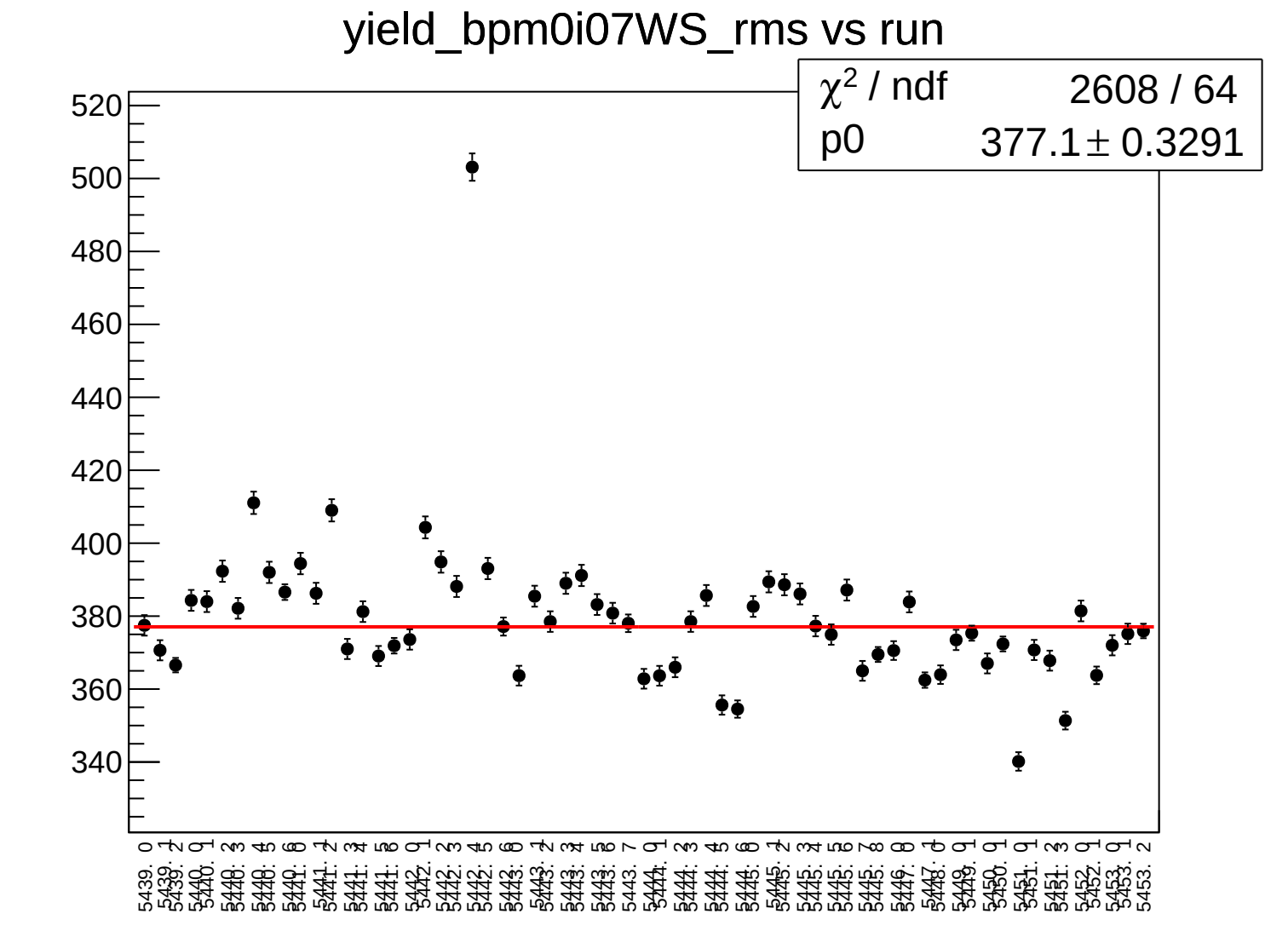

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 4.6e+04 / 64
p0 1.451e+05 ± 0.4465
145.2
145.1
145
144.9
144.8
pull
Entries 65
Mean −491.7
Std Dev 0
60
40
20
0
−20
−40
−60
−80

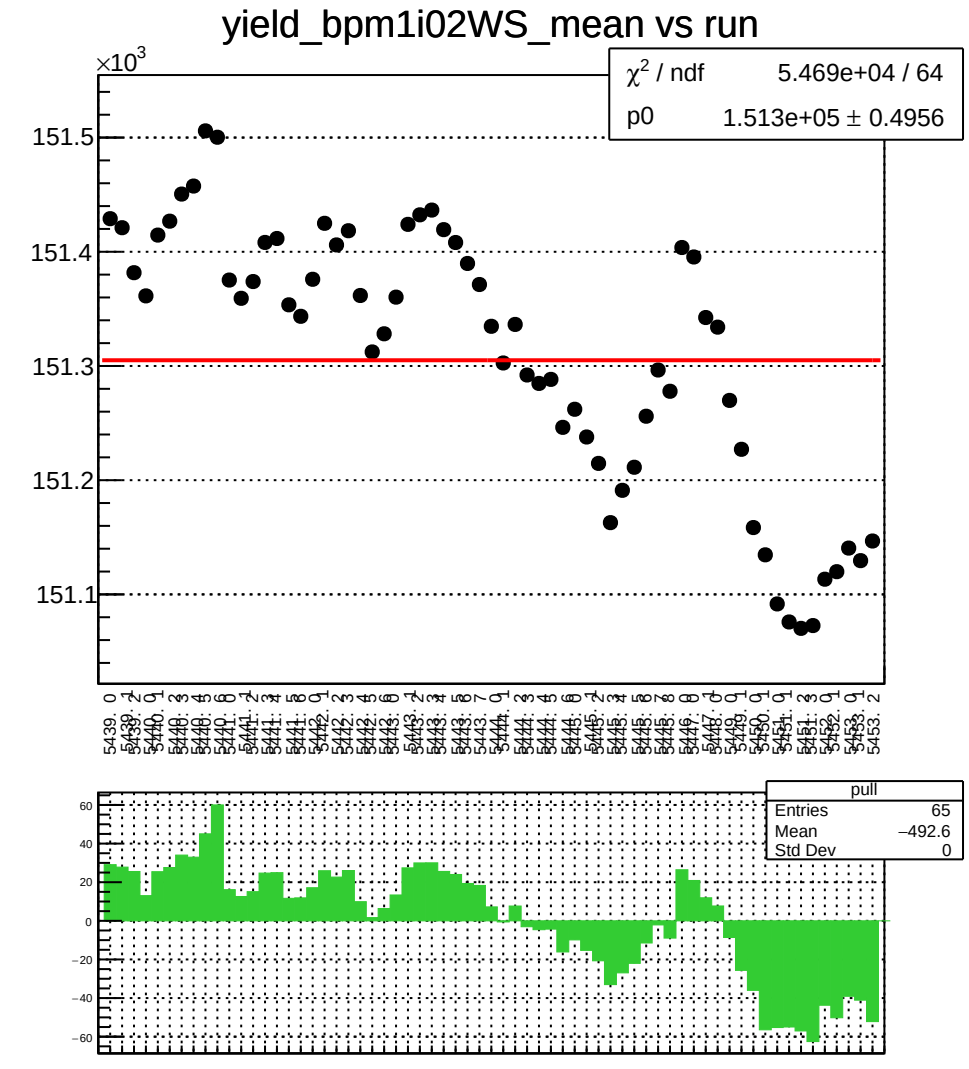

pull1D
Entries 65
Mean −0.3049
Std Dev 3.843
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

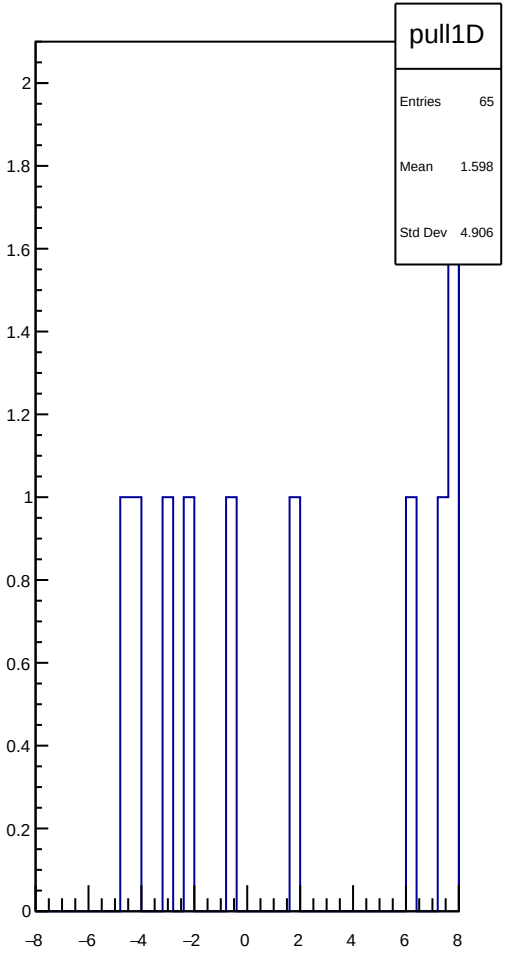

yield_bpm0i05WS_rms vs run
χ² / ndf 2768 / 64
p0 361.7 ± 0.3157
500
480
460
440
420
400
380
360
340
320
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

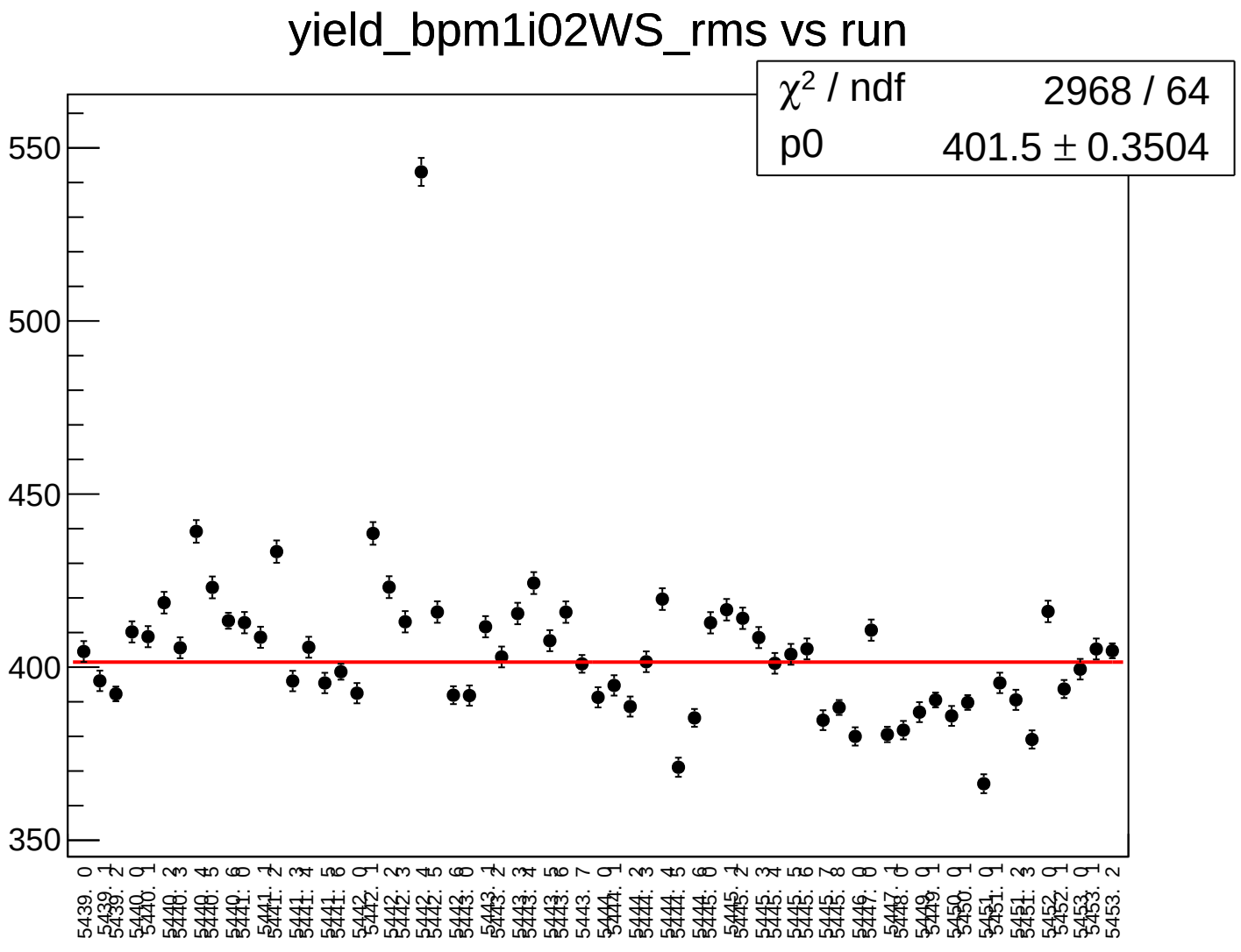

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.253e+04 / 64
p0 1.508e+05 ± 0.4654
151
150.95
150.9
150.85
150.8
150.75
150.7
150.65
150.6
pull
Entries 65
Mean −89.22
Std Dev 0
40
20
0
−20
−40
−60

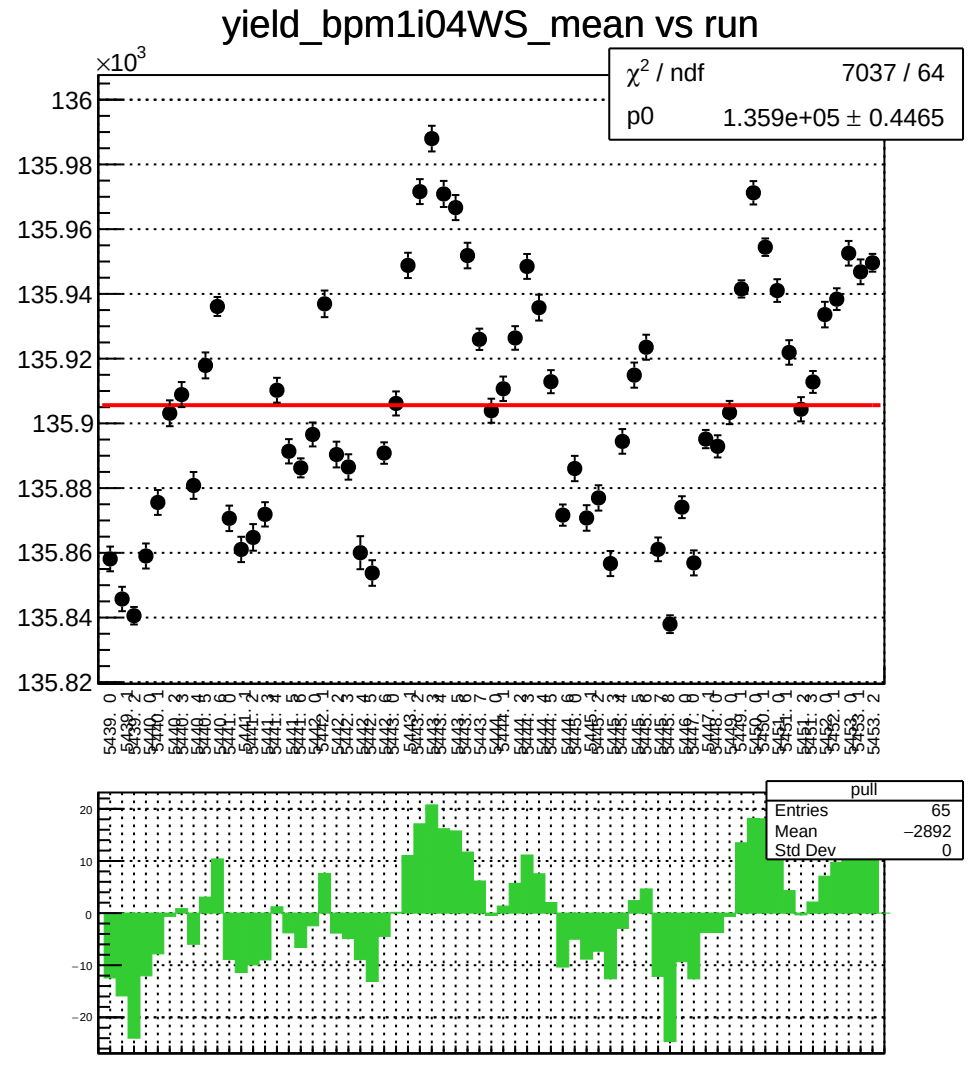

pull1D
Entries 65
Mean −1.401
Std Dev 4.835
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

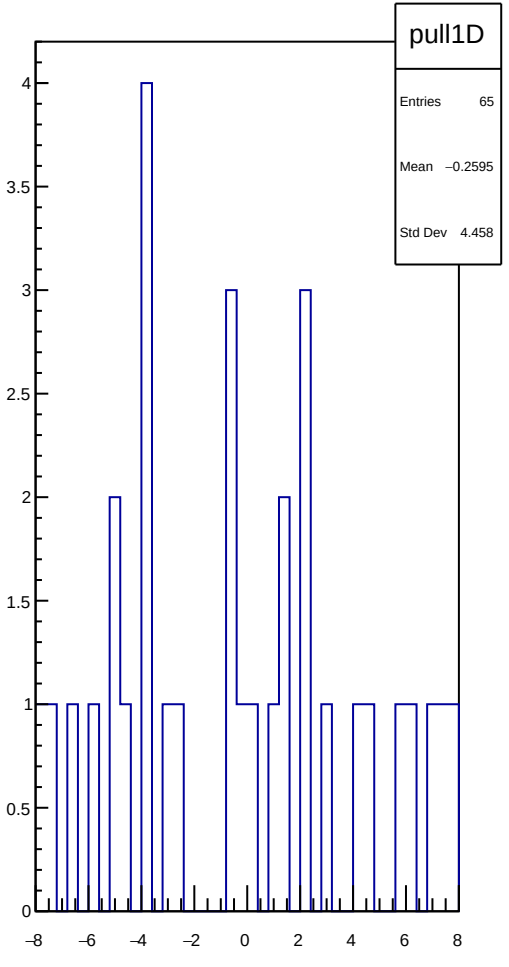

yield_bpm0i07WS_rms vs run
χ² / ndf 2608 / 64
p0 377.1 ± 0.3291
520
500
480
460
440
420
400
380
360
340

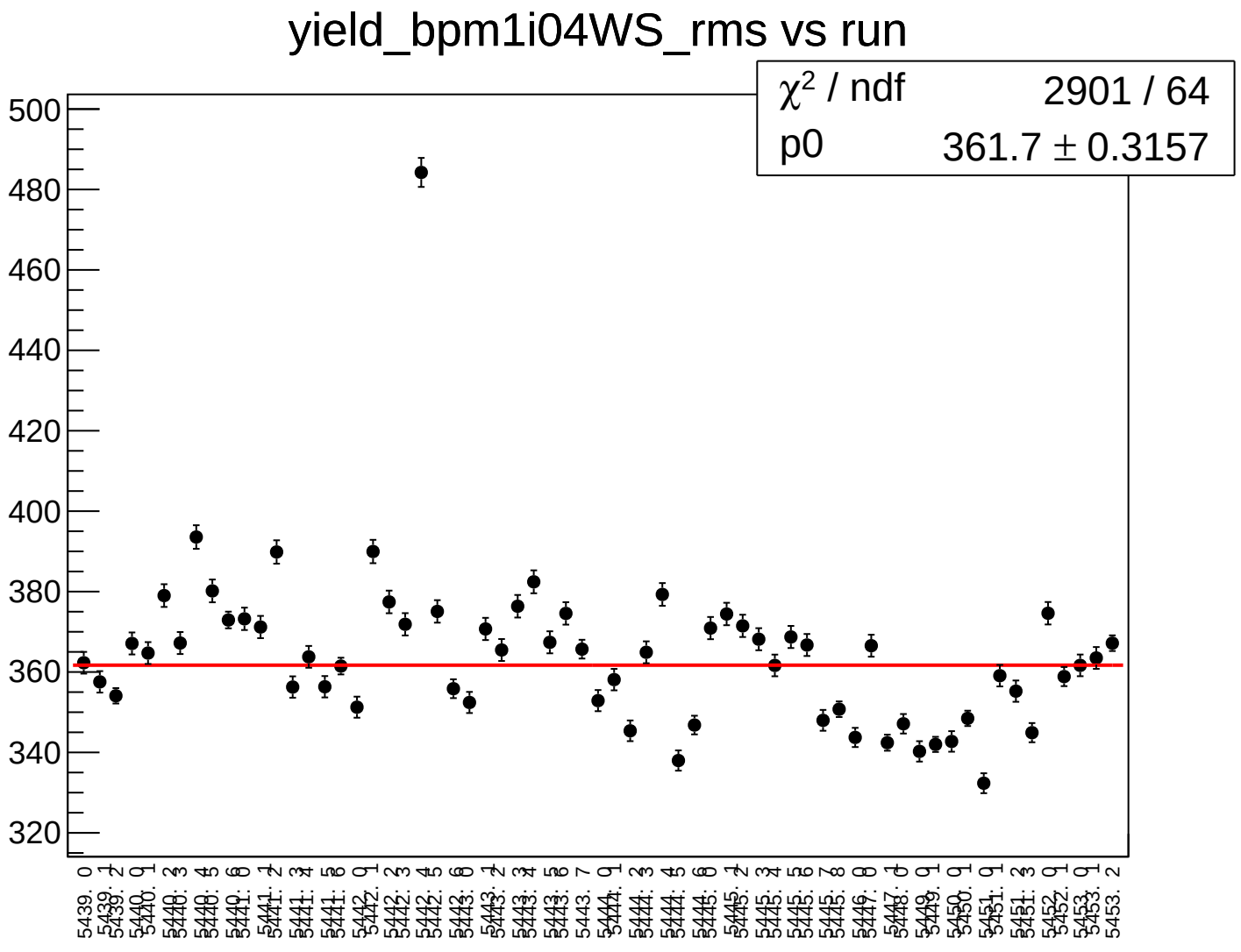

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 5.469e+04 / 64
p0 1.513e+05 ± 0.4956
151.5
151.4
151.3
151.2
151.1
pull
Entries 65
Mean −492.6
Std Dev 0
60
40
20
0
−20
−40
−60

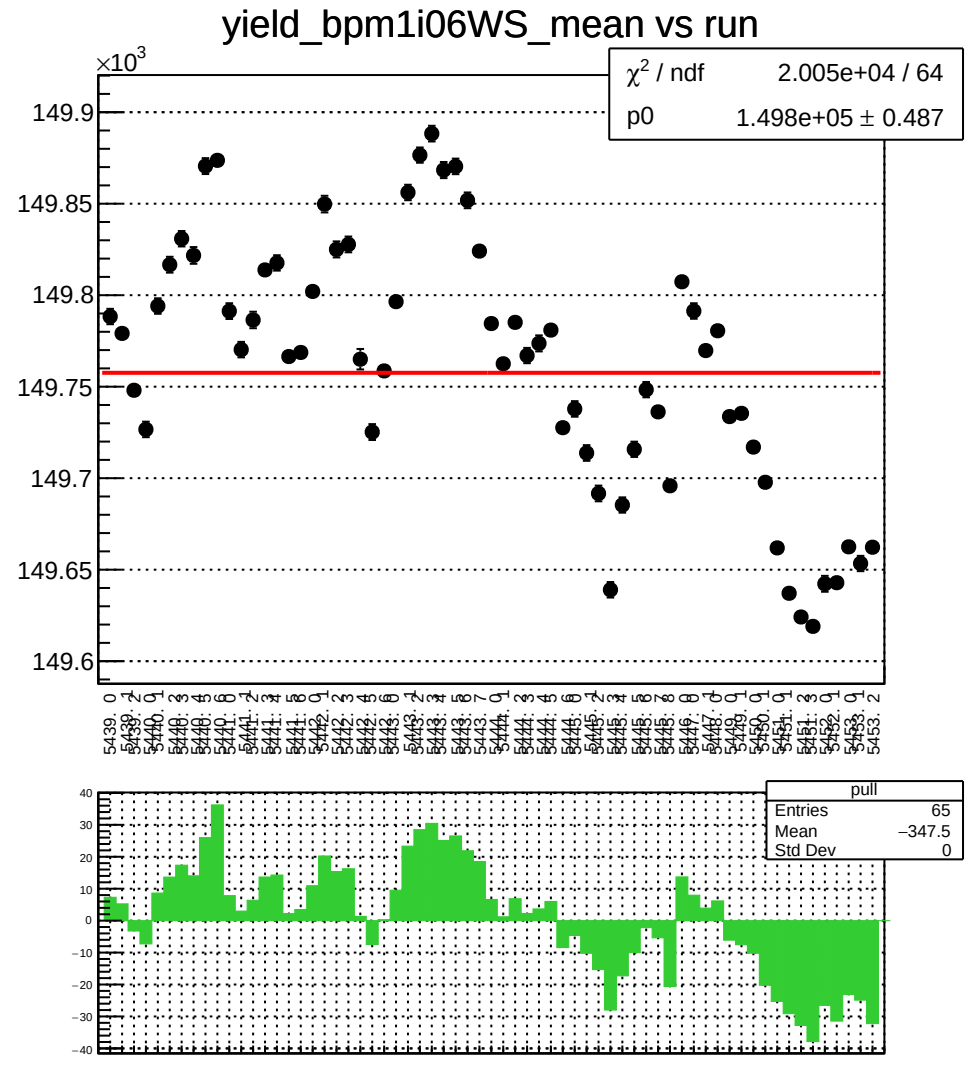

pull1D
Entries 65
Mean 1.598
Std Dev 4.906
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

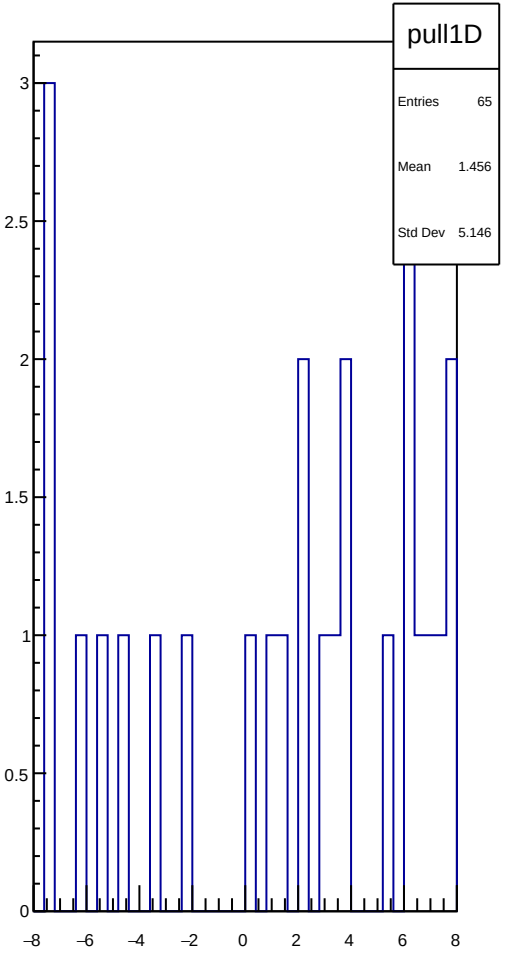

yield_bpm1i02WS_rms vs run
χ² / ndf 2968 / 64
p0 401.5 ± 0.3504
550
500
450
400
350

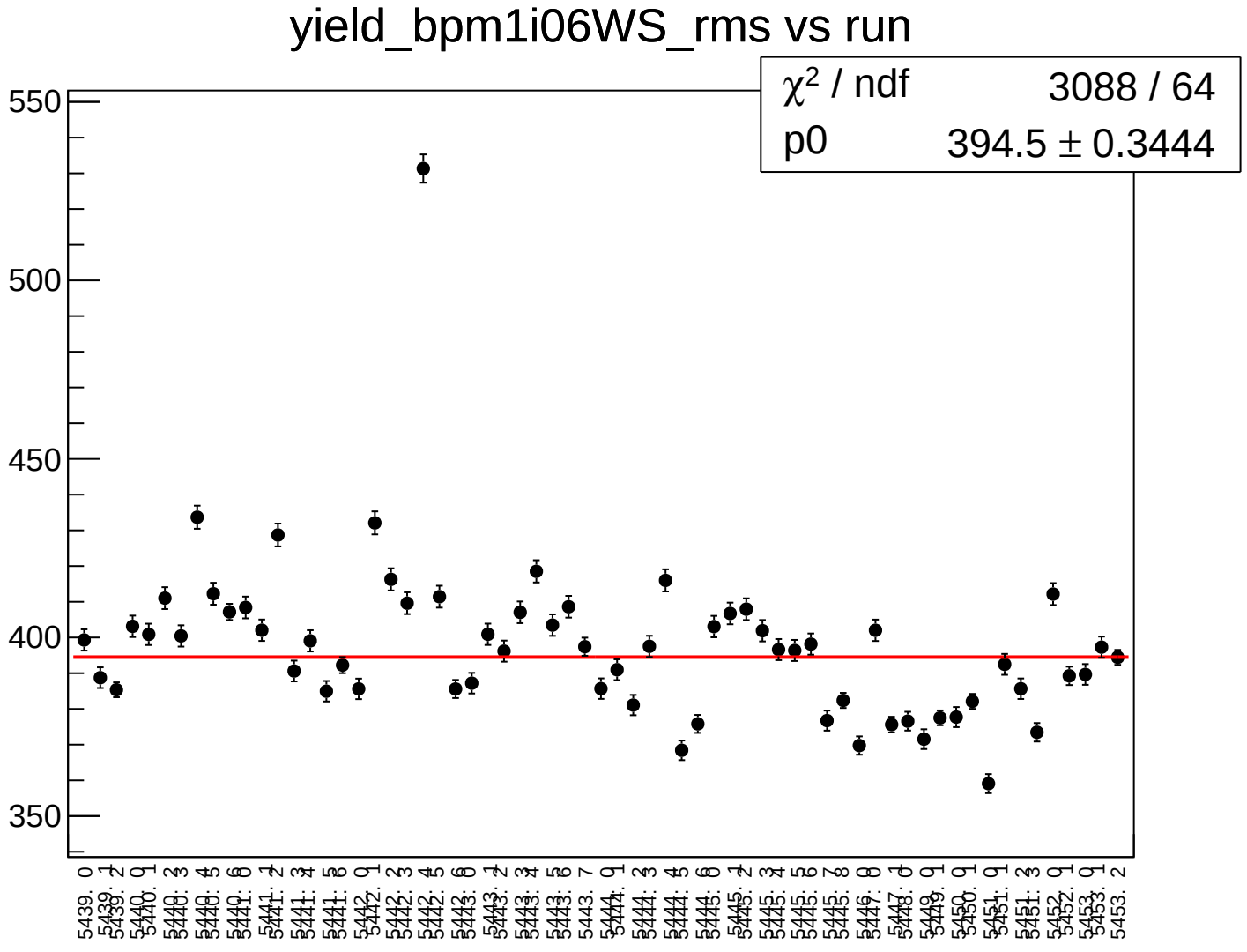

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 7037 / 64
p0 1.359e+05 ± 0.4465
136
135.98
135.96
135.94
135.92
135.9
135.88
135.86
135.84
135.82
pull
Entries 65
Mean −2892
Std Dev 0
20
10
0
−10
−20

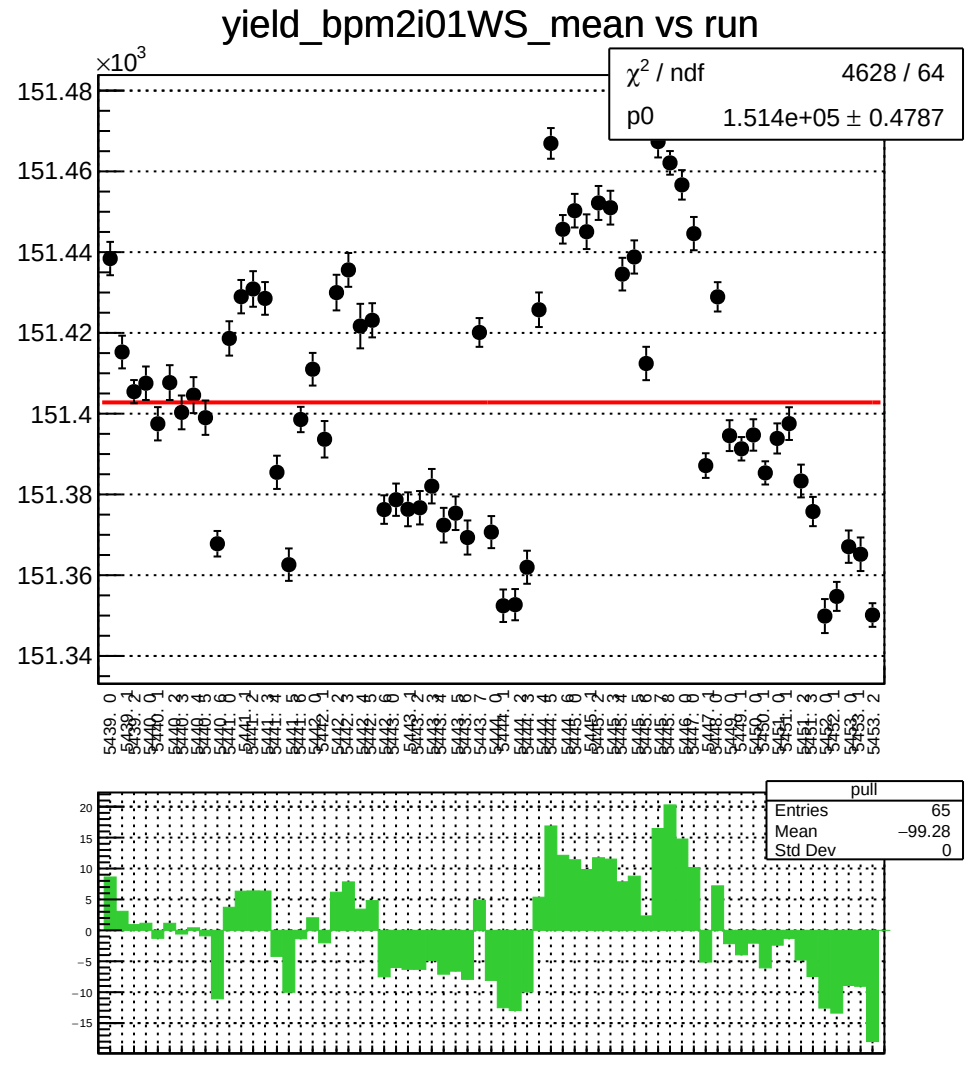

pull1D
Entries 65
Mean −0.2595
Std Dev 4.458
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

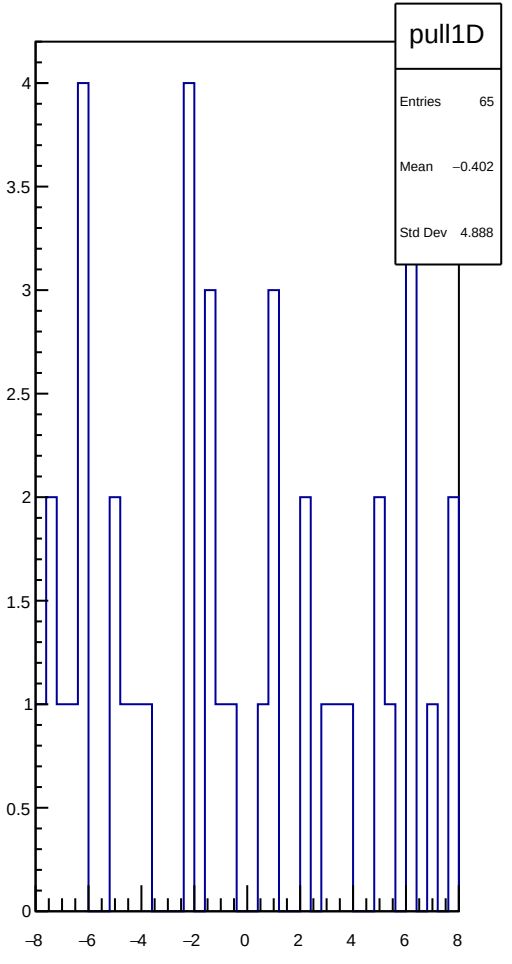

yield_bpm1i04WS_rms vs run
χ² / ndf 2901 / 64
p0 361.7 ± 0.3157
500
480
460
440
420
400
380
360
340
320

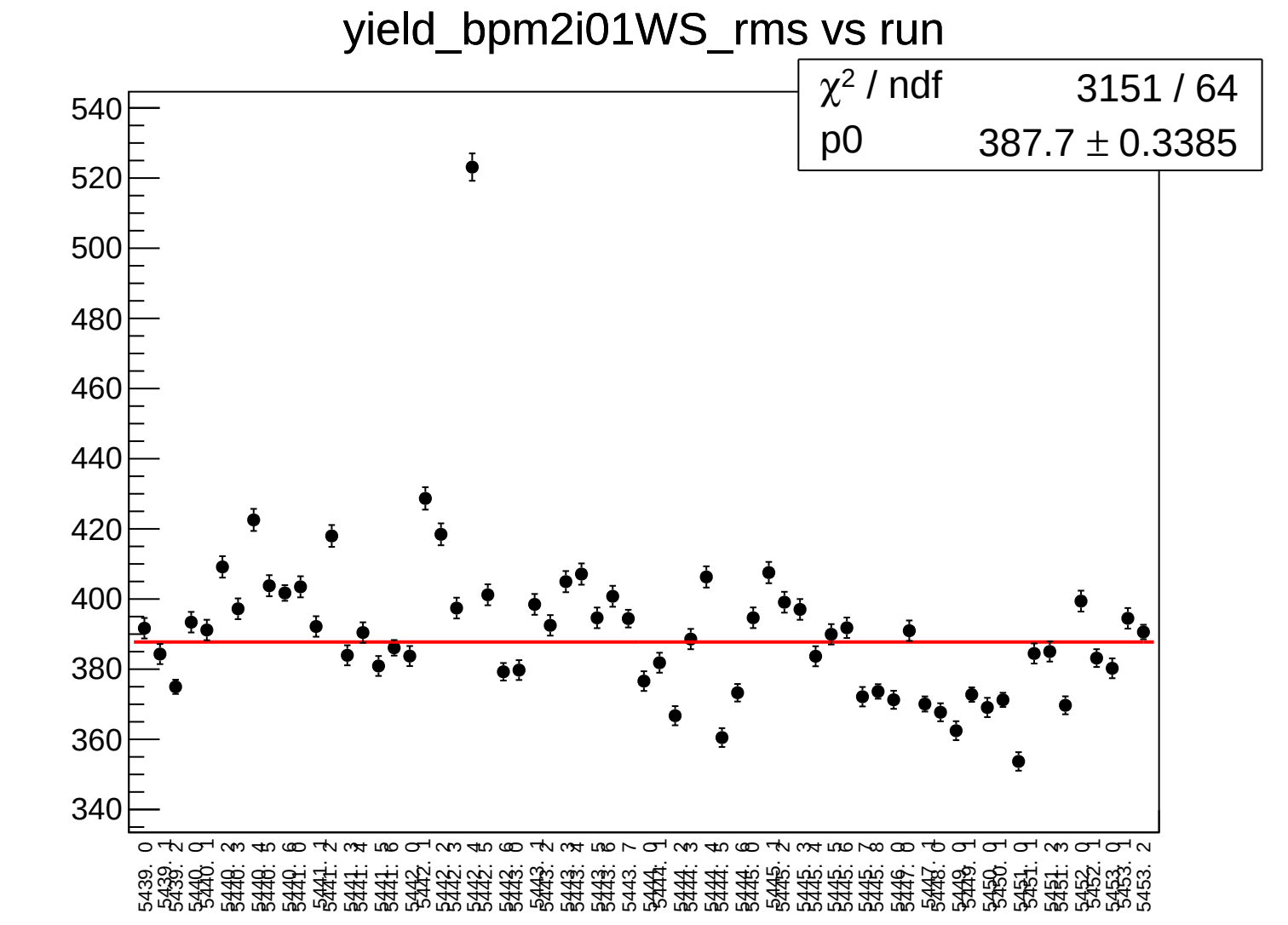

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 2.005e+04 / 64
p0 1.498e+05 ± 0.487
149.9
149.85
149.8
149.75
149.7
149.65
149.6
pull
Entries 65
Mean −347.5
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40

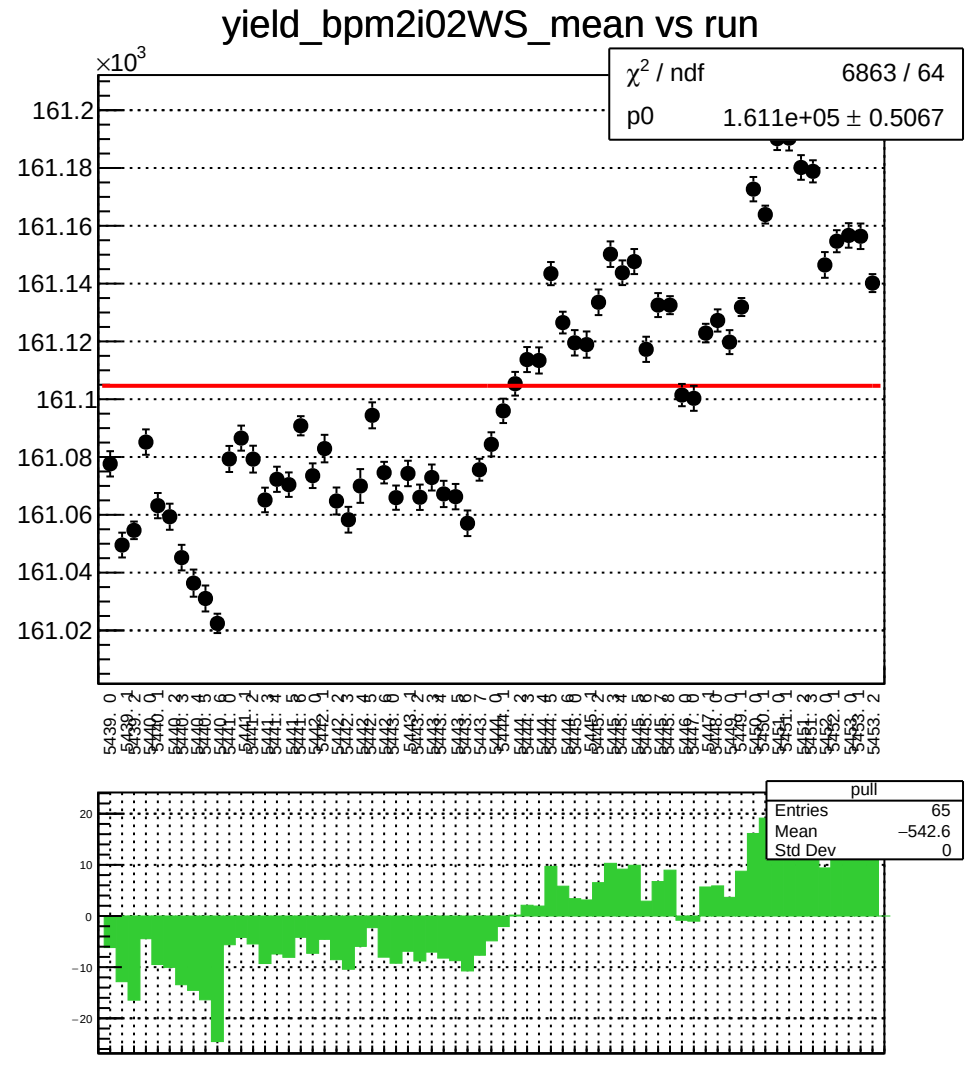

pull1D
Entries 65
Mean 1.456
Std Dev 5.146
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

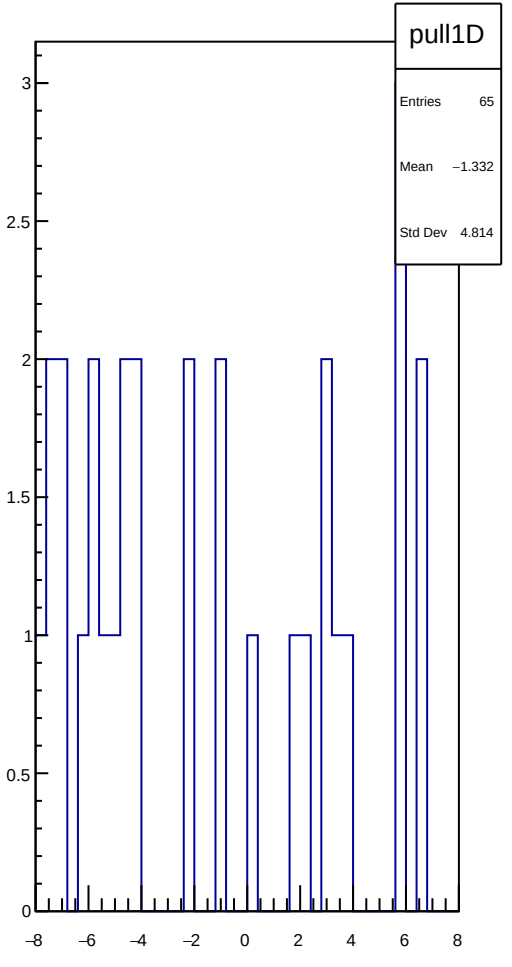

yield_bpm1i06WS_rms vs run
χ² / ndf 3088 / 64
p0 394.5 ± 0.3444
550
500
450
400
350

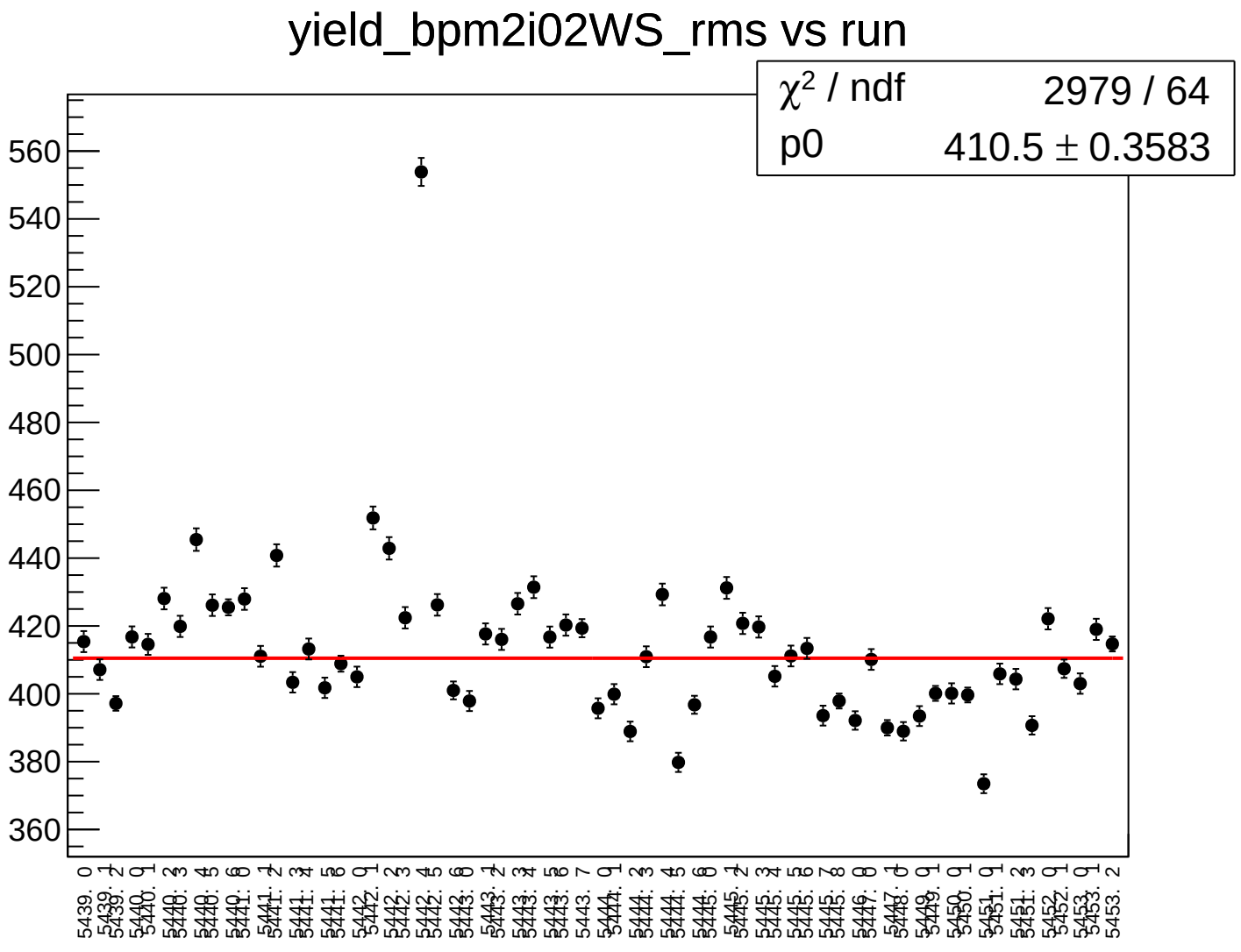

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 4628 / 64
p0 1.514e+05 ± 0.4787
151.48
151.46
151.44
151.42
151.4
151.38
151.36
151.34
pull
Entries 65
Mean −99.28
Std Dev 0
20
15
10
5
0
−5
−10
−15

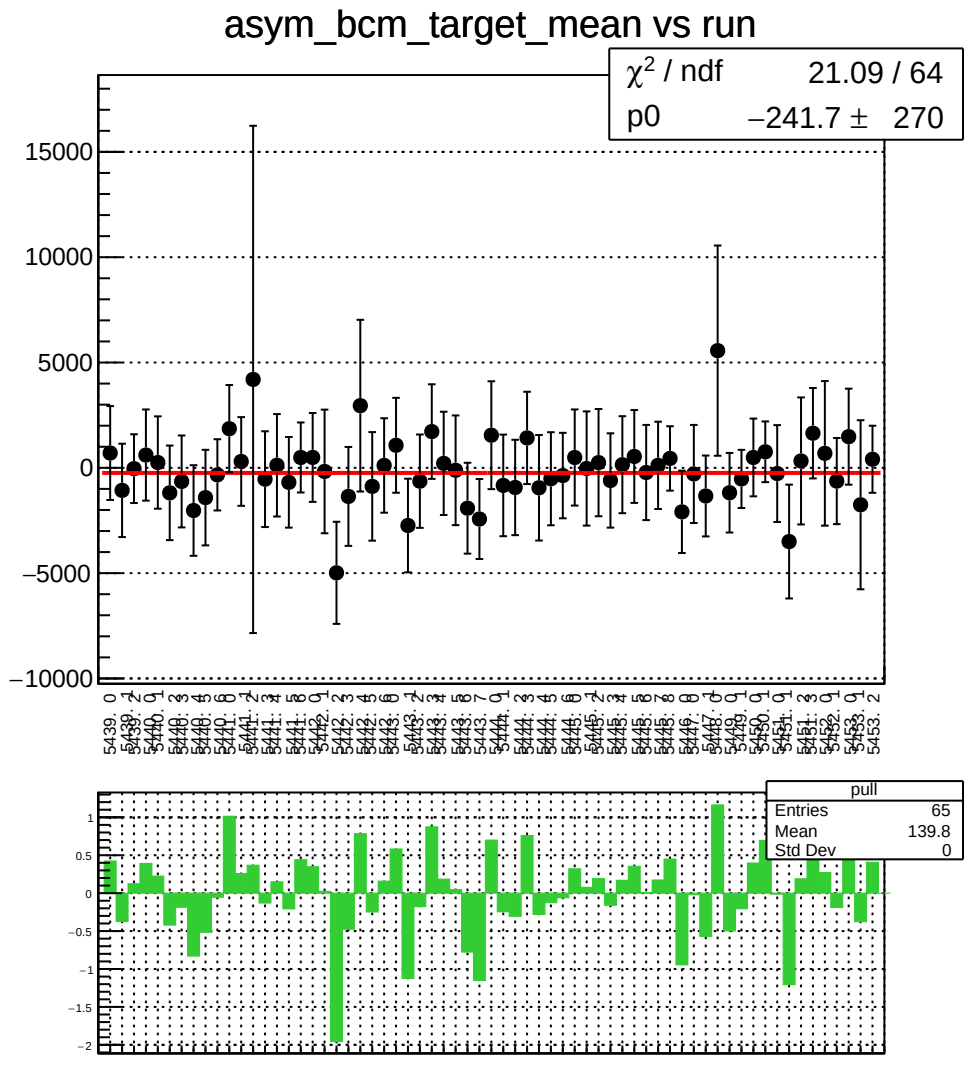

pull1D
Entries 65
Mean −0.402
Std Dev 4.888
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

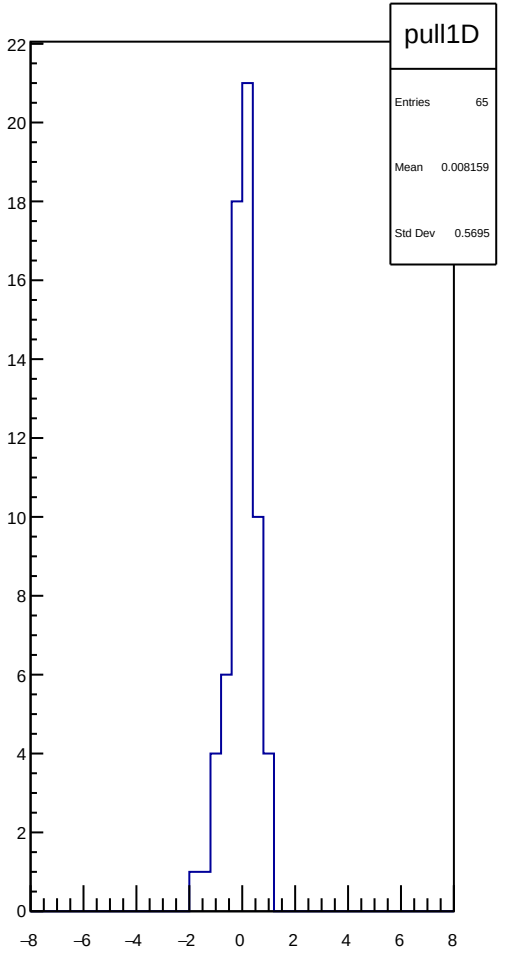

yield_bpm2i01WS_rms vs run
χ² / ndf 3151 / 64
p0 387.7 ± 0.3385
540
520
500
480
460
440
420
400
380
360
340

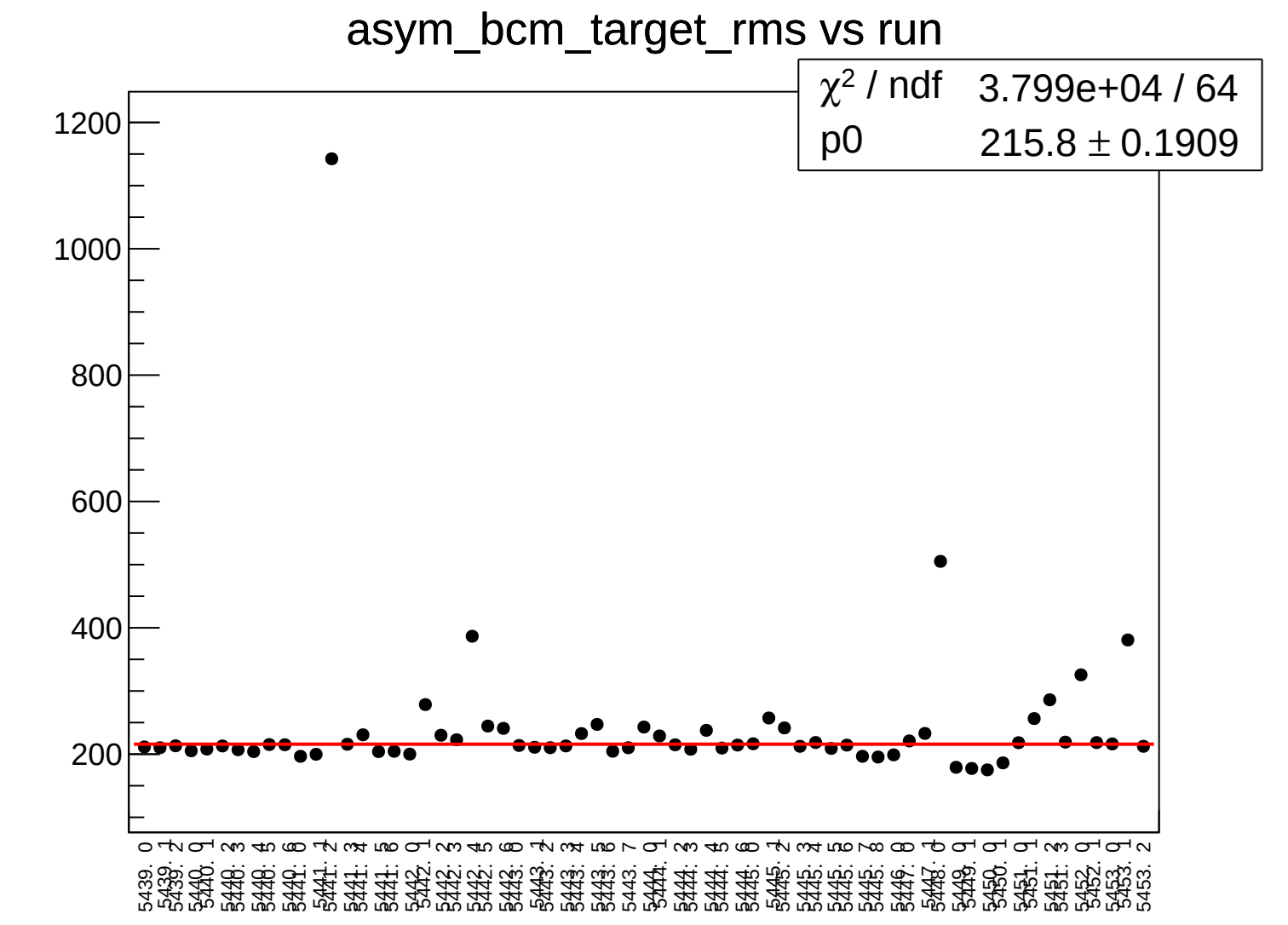

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 6863 / 64
p0 1.611e+05 ± 0.5067
161.2
161.18
161.16
161.14
161.12
161.1
161.08
161.06
161.04
161.02
pull
Entries 65
Mean −542.6
Std Dev 0
20
10
0
−10
−20

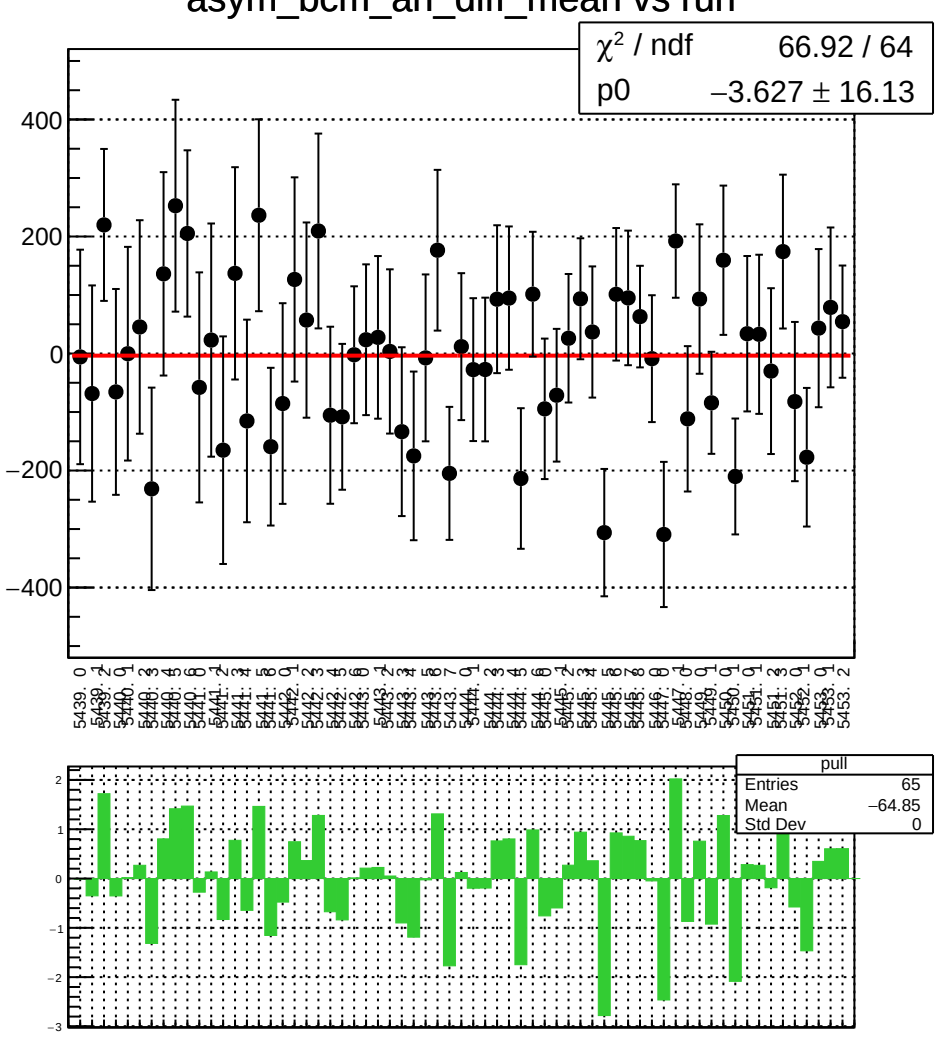

pull1D
Entries 65
Mean −1.332
Std Dev 4.814
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

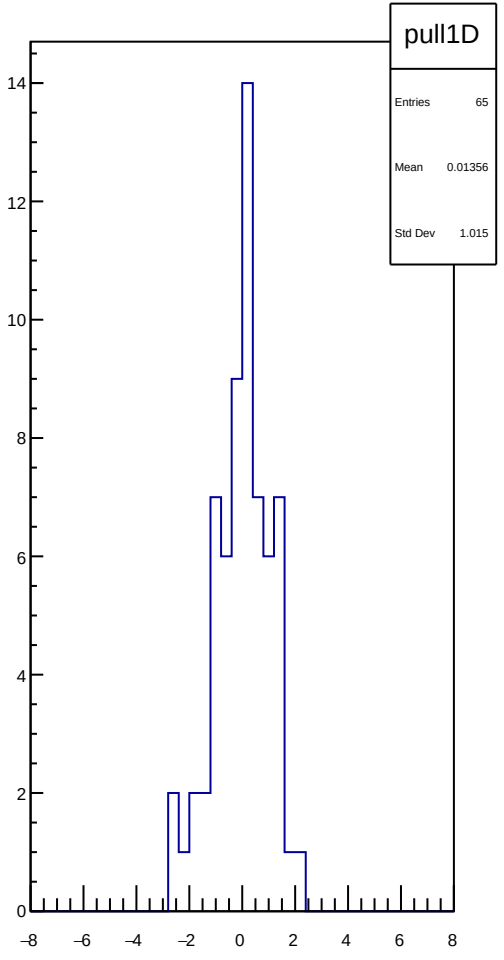

yield_bpm2i02WS_rms vs run
χ² / ndf 2979 / 64
p0 410.5 ± 0.3583
560
540
520
500
480
460
440
420
400
380
360

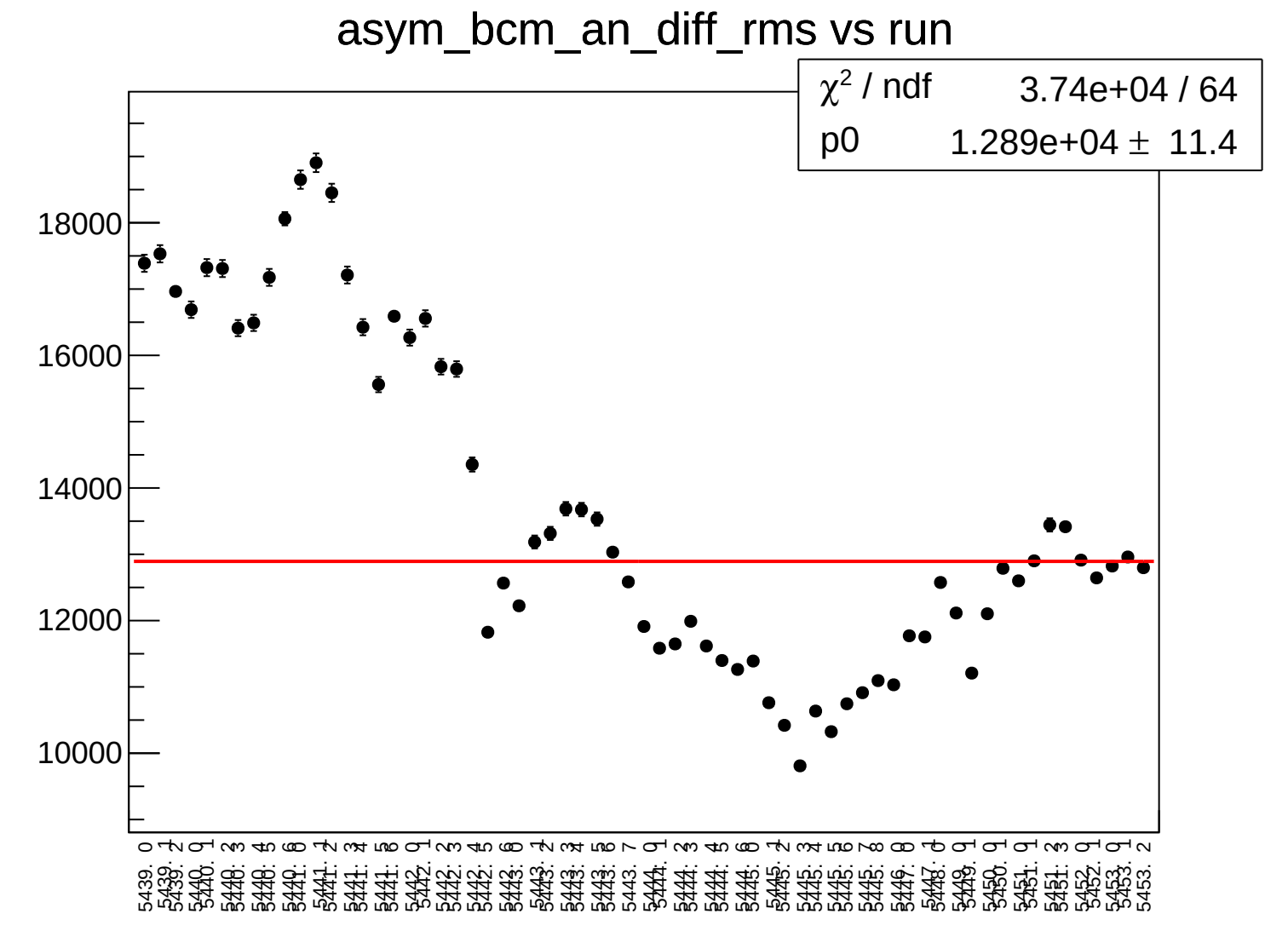

asym_bcm_target_mean vs run
χ² / ndf 21.09 / 64
p0 −241.7 ± 270
pull
Entries 65
Mean 139.8
Std Dev 0

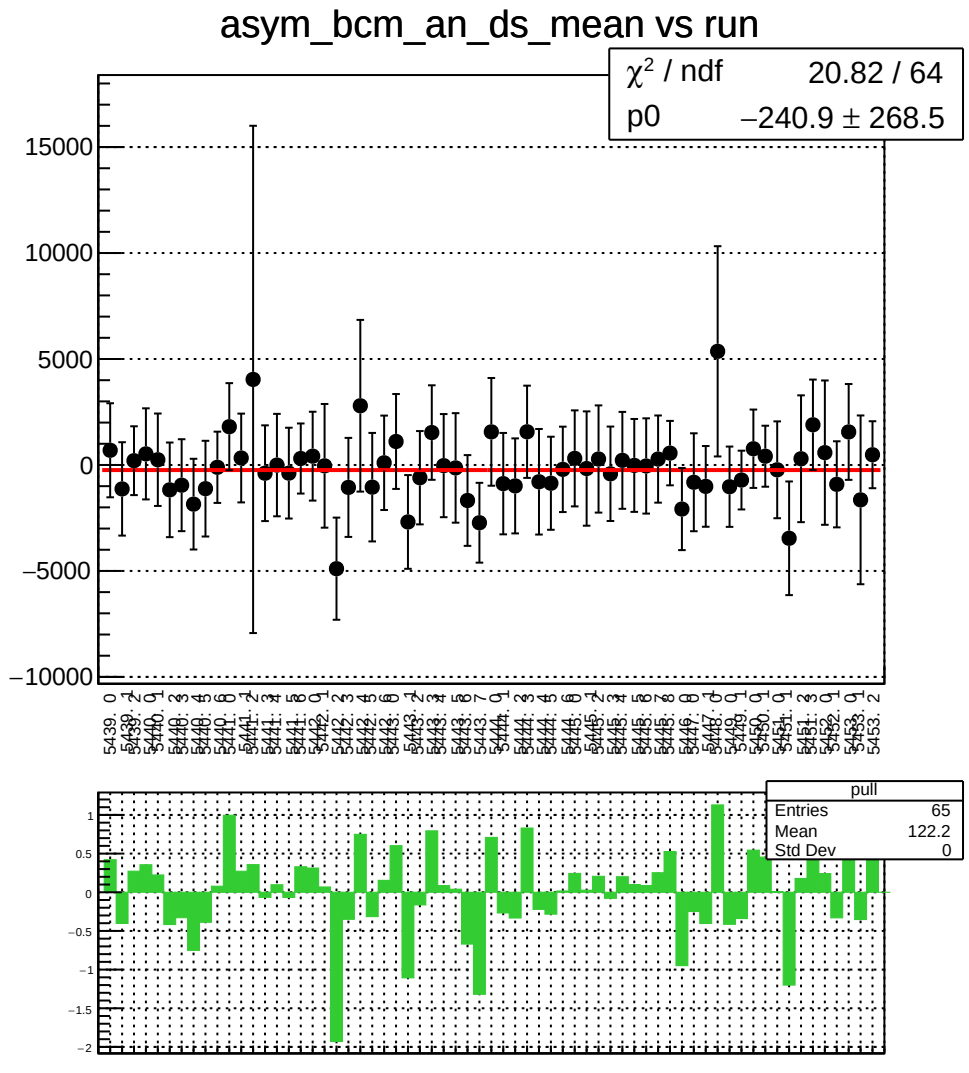

pull1D
Entries 65
Mean 0.008159
Std Dev 0.5695

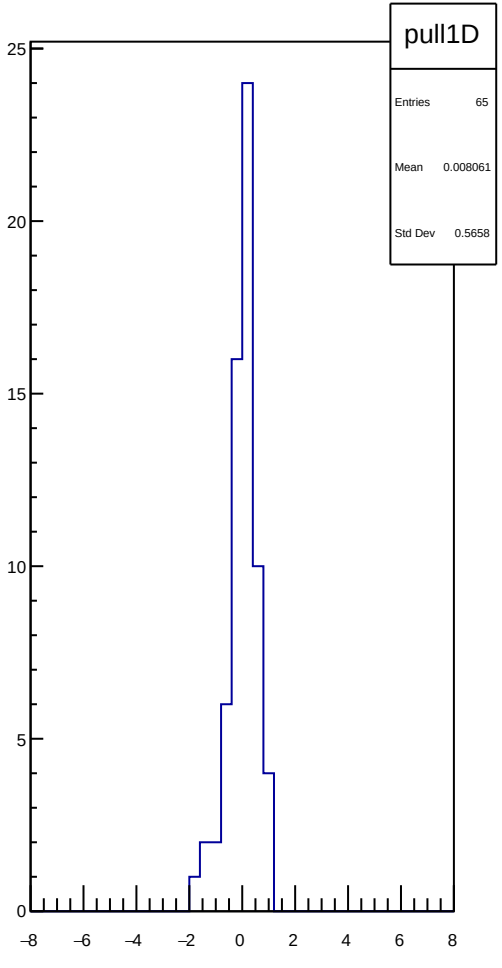

asym_bcm_target_rms vs run
χ² / ndf 3.799e+04 / 64
p0 215.8 ± 0.1909
1200
1000
800
600
400
200

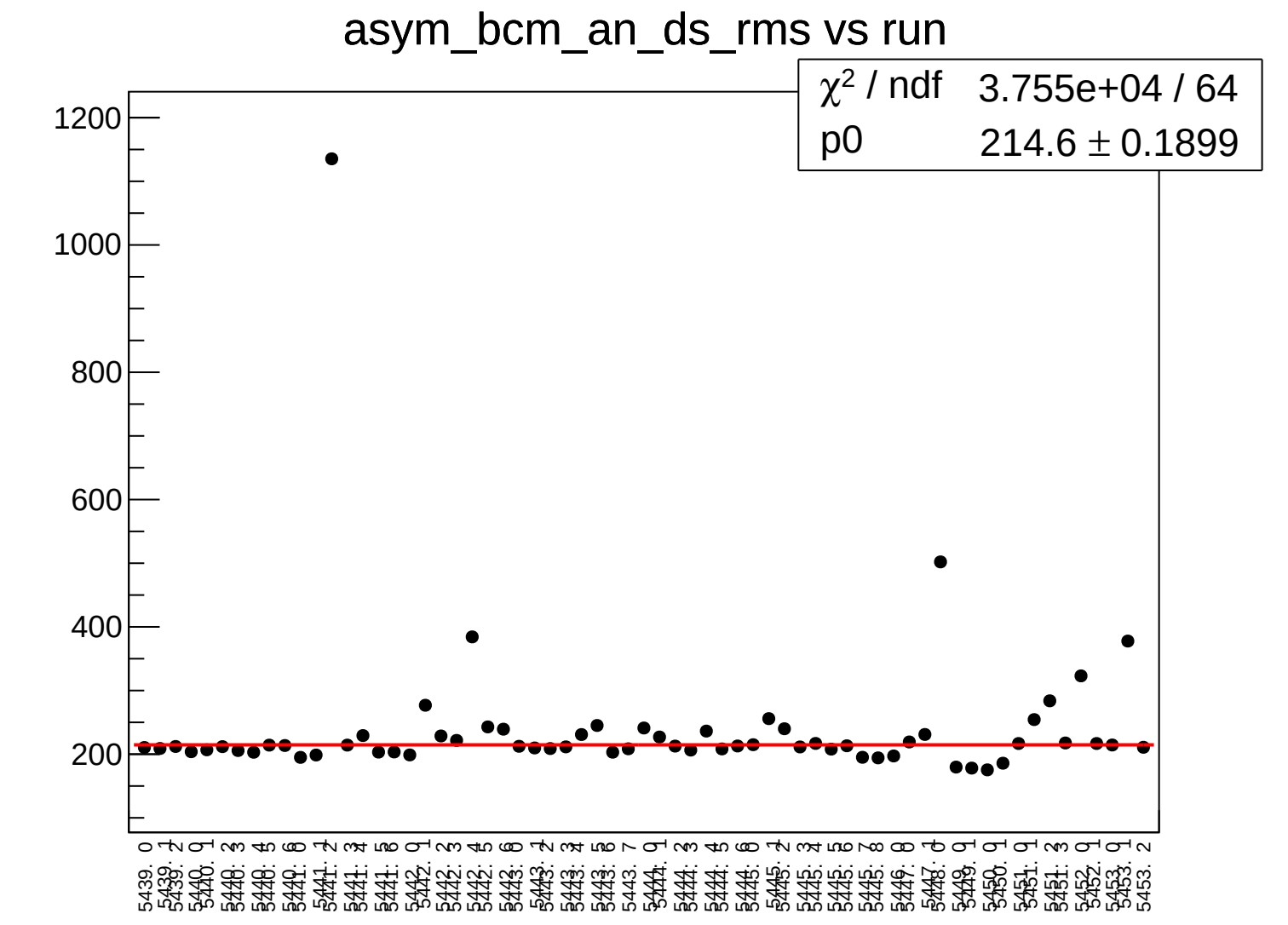

asym_bcm_an_diff_mean vs run
χ² / ndf 66.92 / 64
p0 −3.627 ± 16.13
pull
Entries 65
Mean −64.85
Std Dev 0

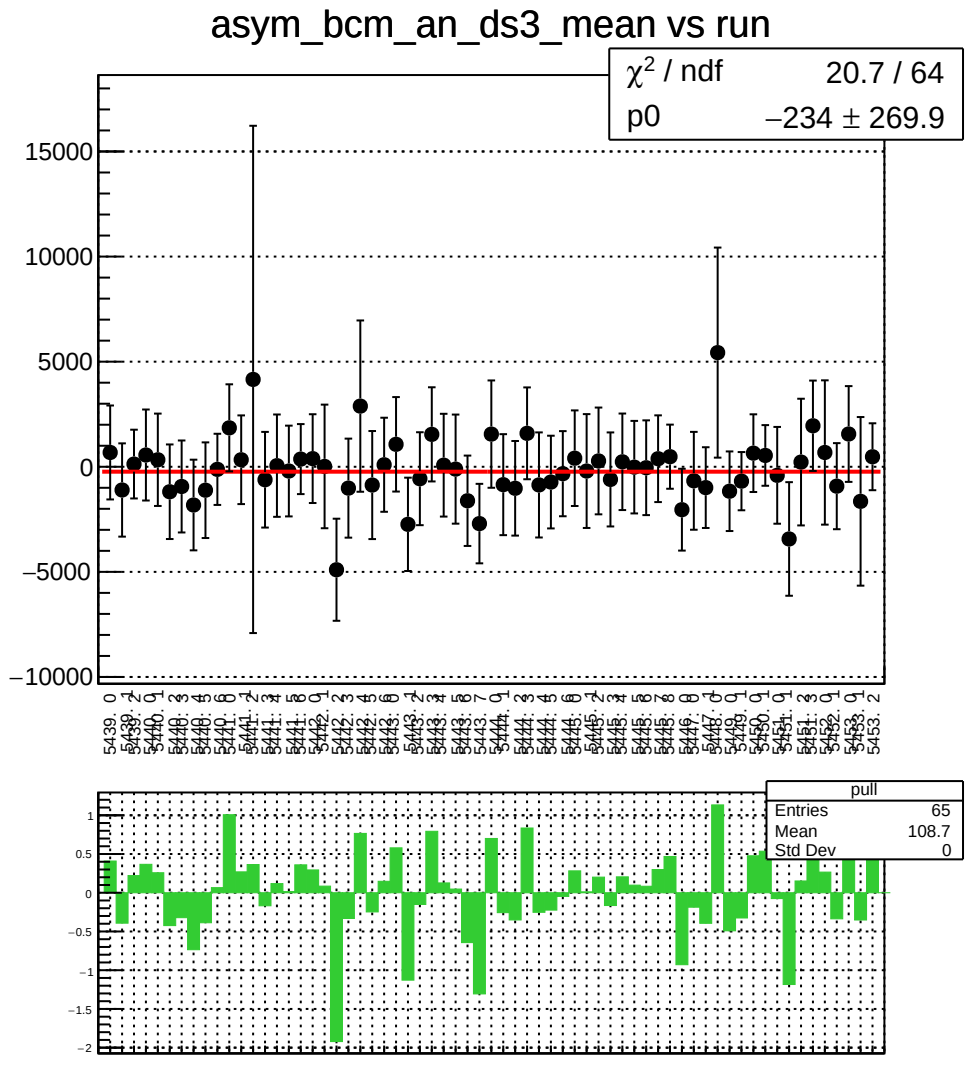

pull1D
Entries 65
Mean 0.01356
Std Dev 1.015

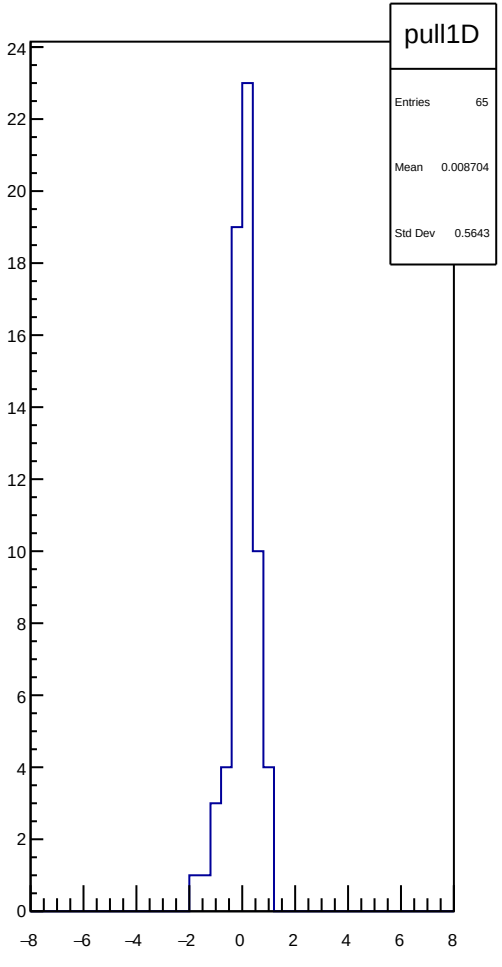

asym_bcm_an_diff_rms vs run
χ² / ndf 3.74e+04 / 64
p0 1.289e+04 ± 11.4
18000
16000
14000
12000
10000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

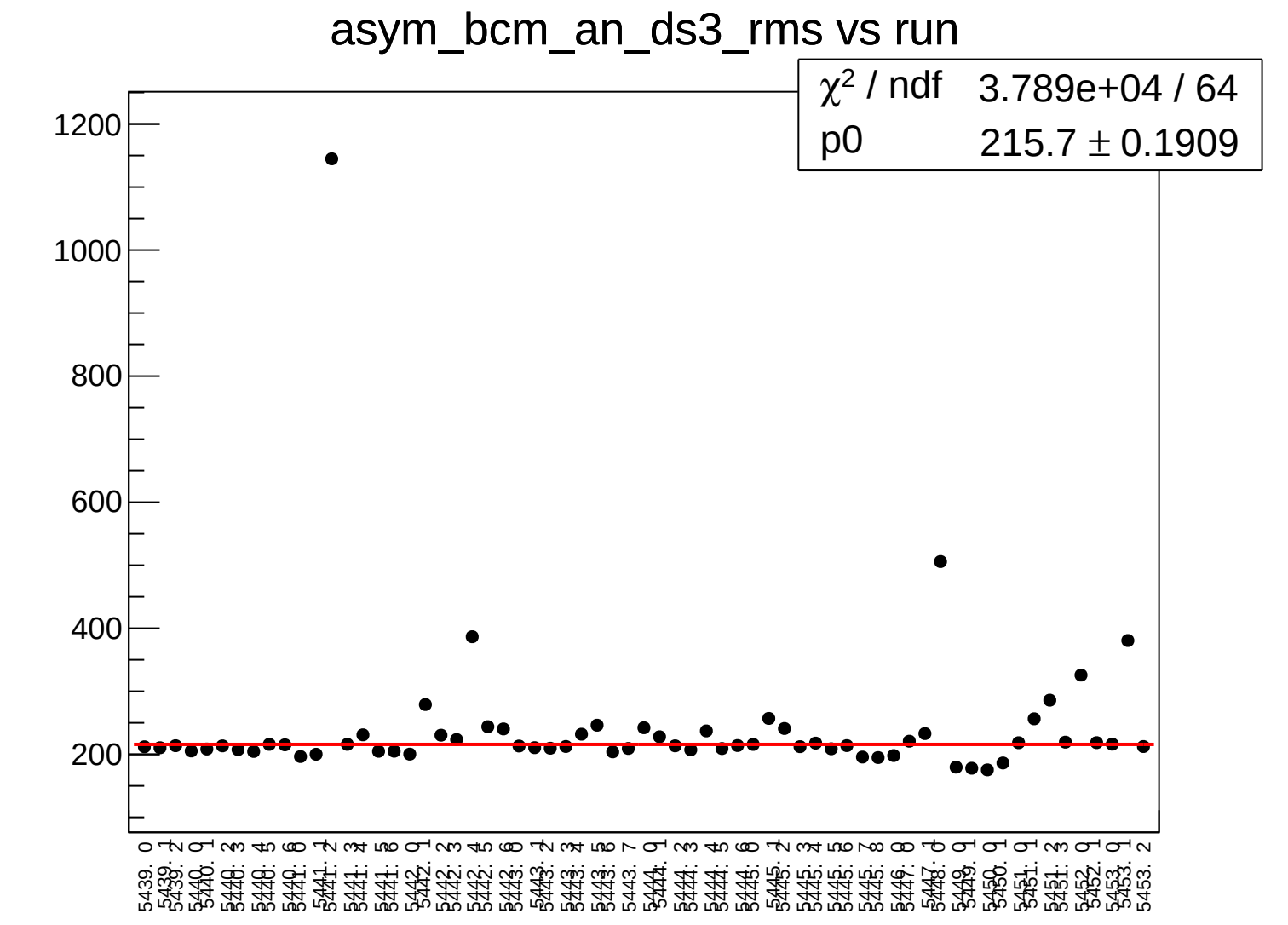

asym_bcm_an_ds_mean vs run
χ² / ndf 20.82 / 64
p0 −240.9 ± 268.5
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 122.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

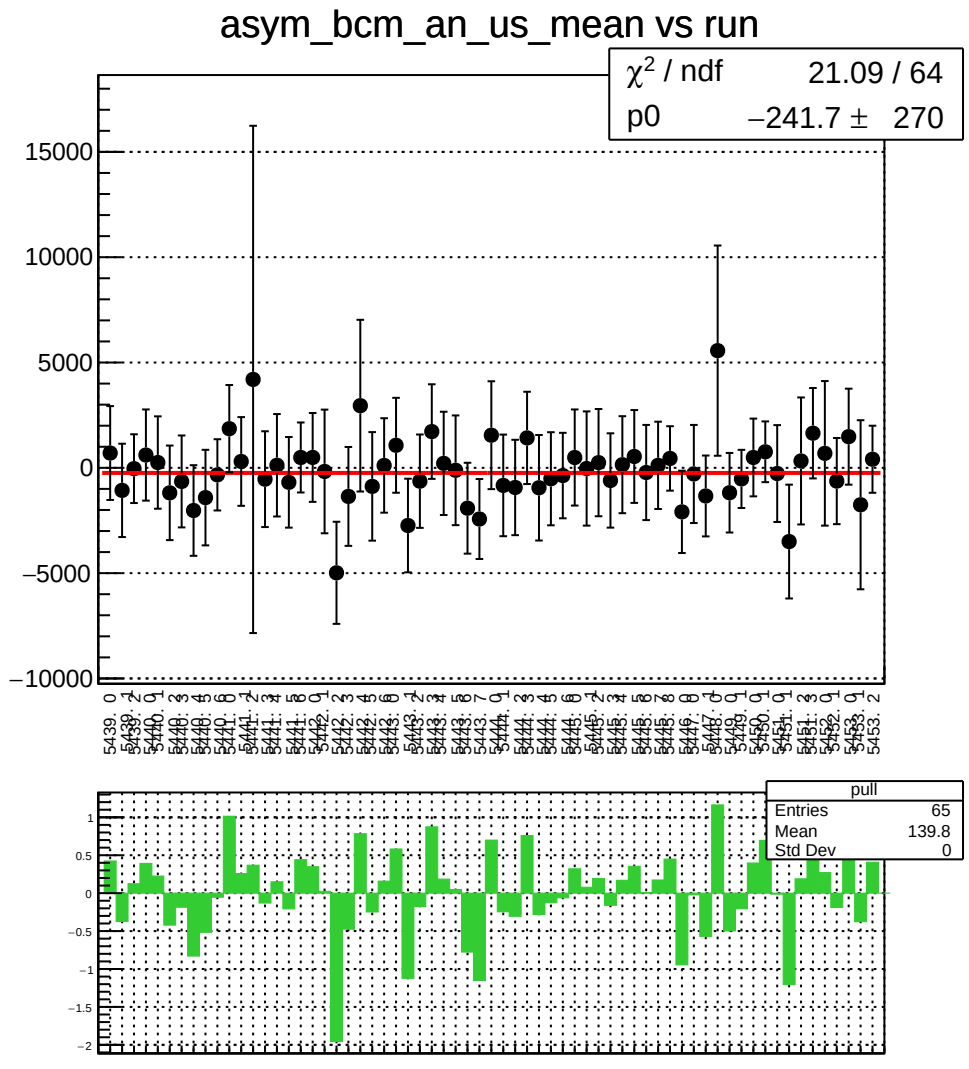

pull1D
Entries 65
Mean 0.008061
Std Dev 0.5658
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

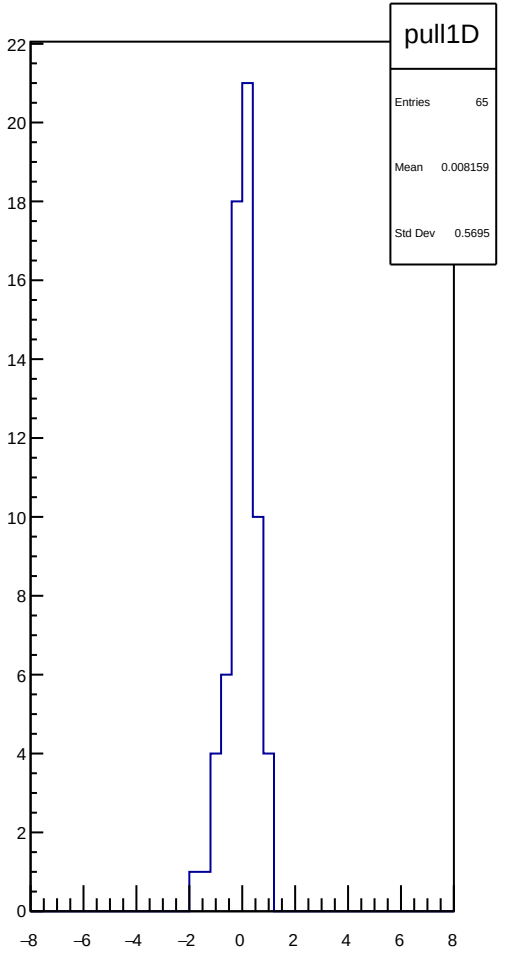

asym_bcm_an_ds_rms vs run
χ² / ndf 3.755e+04 / 64
p0 214.6 ± 0.1899
1200
1000
800
600
400
200

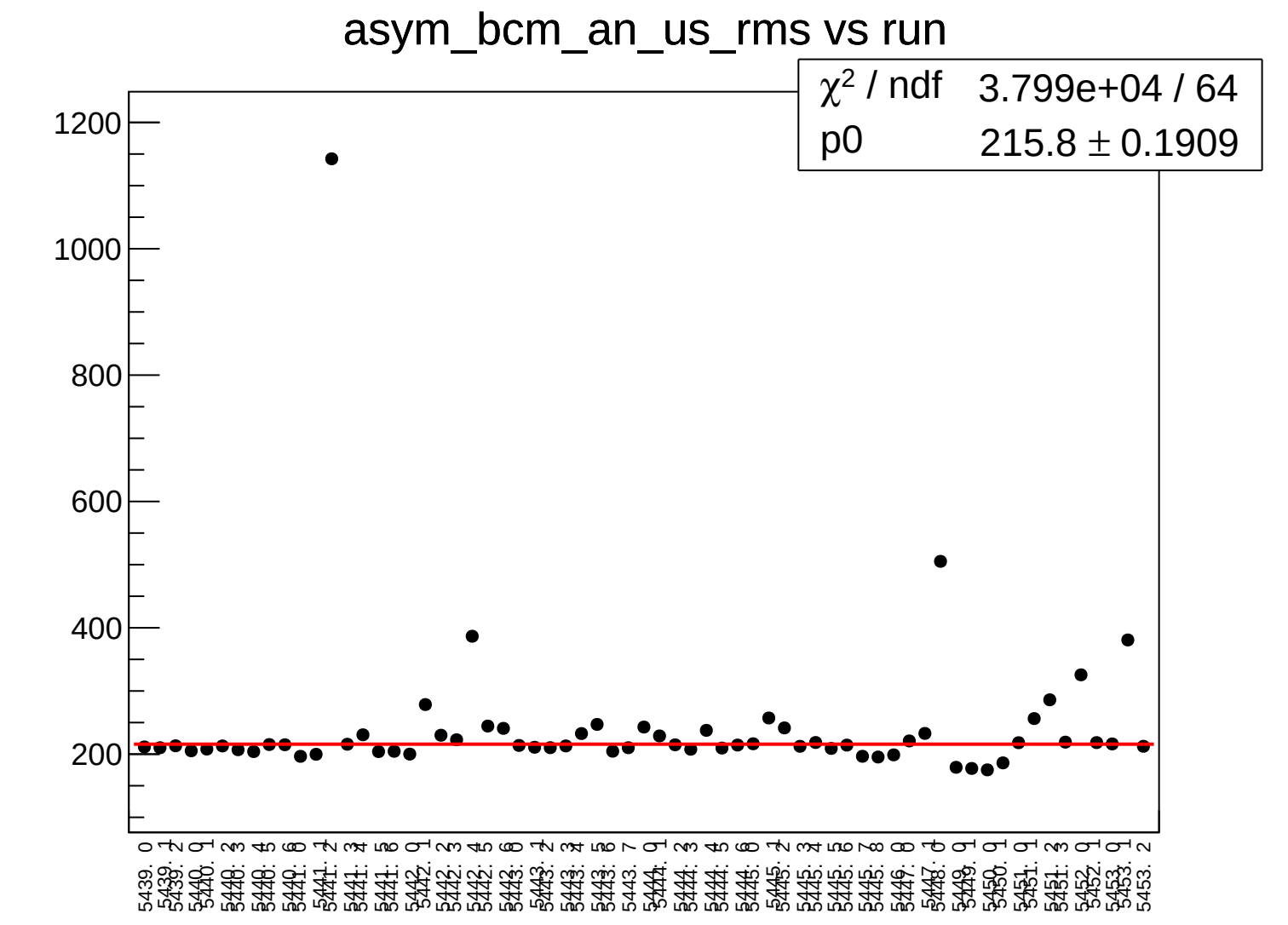

asym_bcm_an_ds3_mean vs run
χ² / ndf 20.7 / 64
p0 −234 ± 269.9
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 108.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

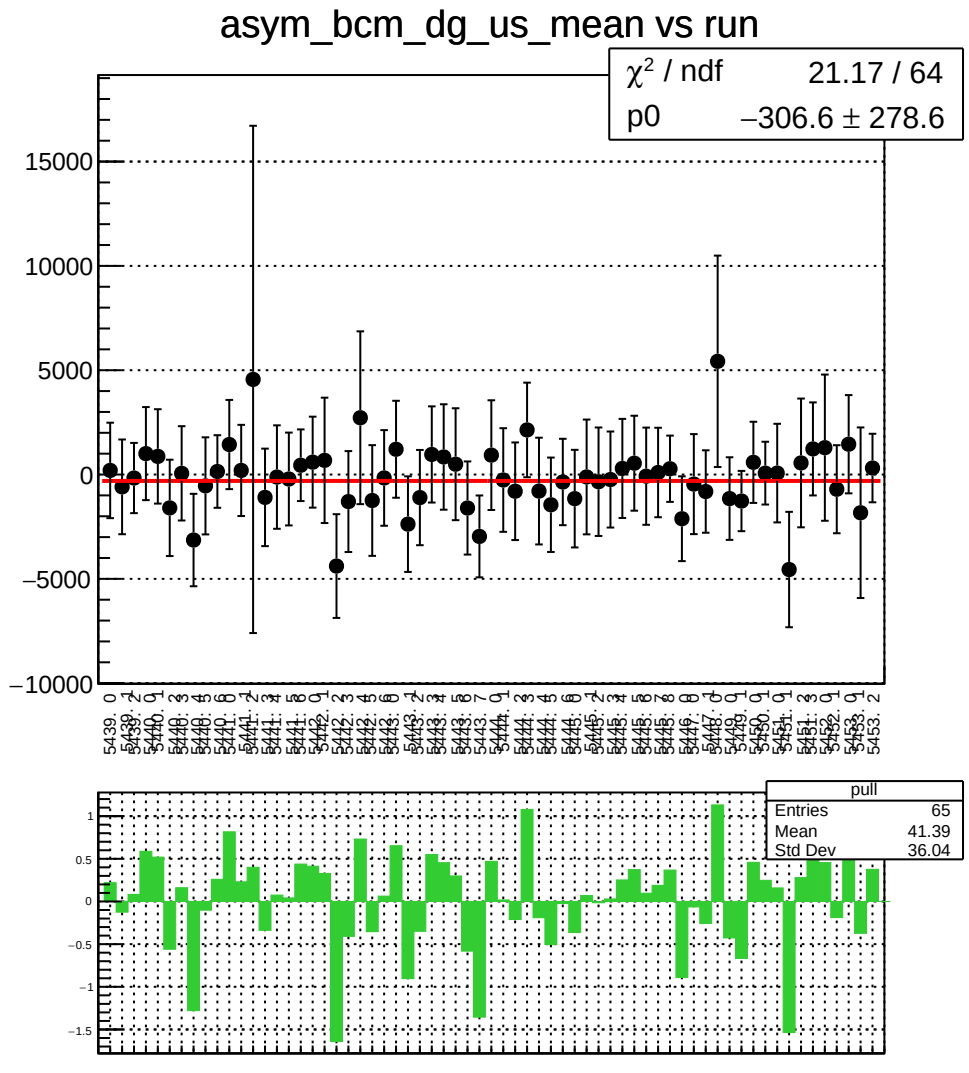

pull1D
Entries 65
Mean 0.008704
Std Dev 0.5643
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

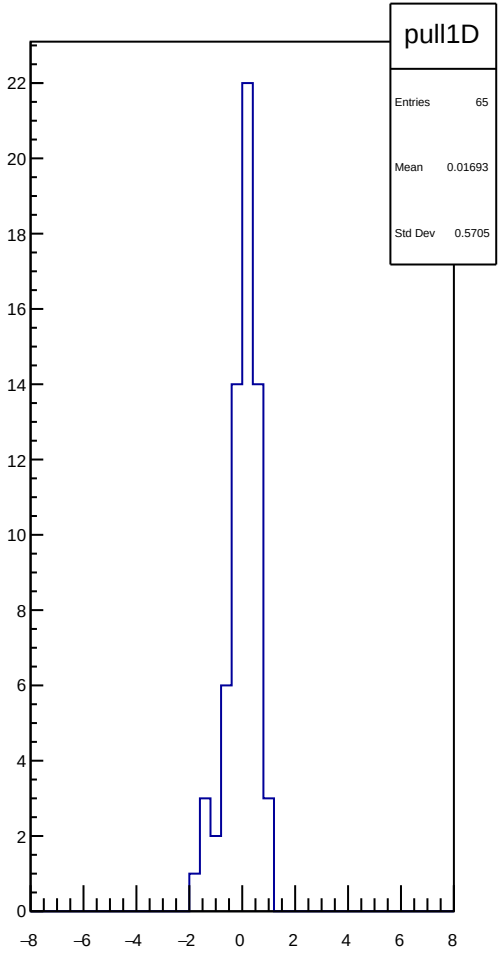

asym_bcm_an_ds3_rms vs run
χ² / ndf 3.789e+04 / 64
p0 215.7 ± 0.1909
1200
1000
800
600
400
200

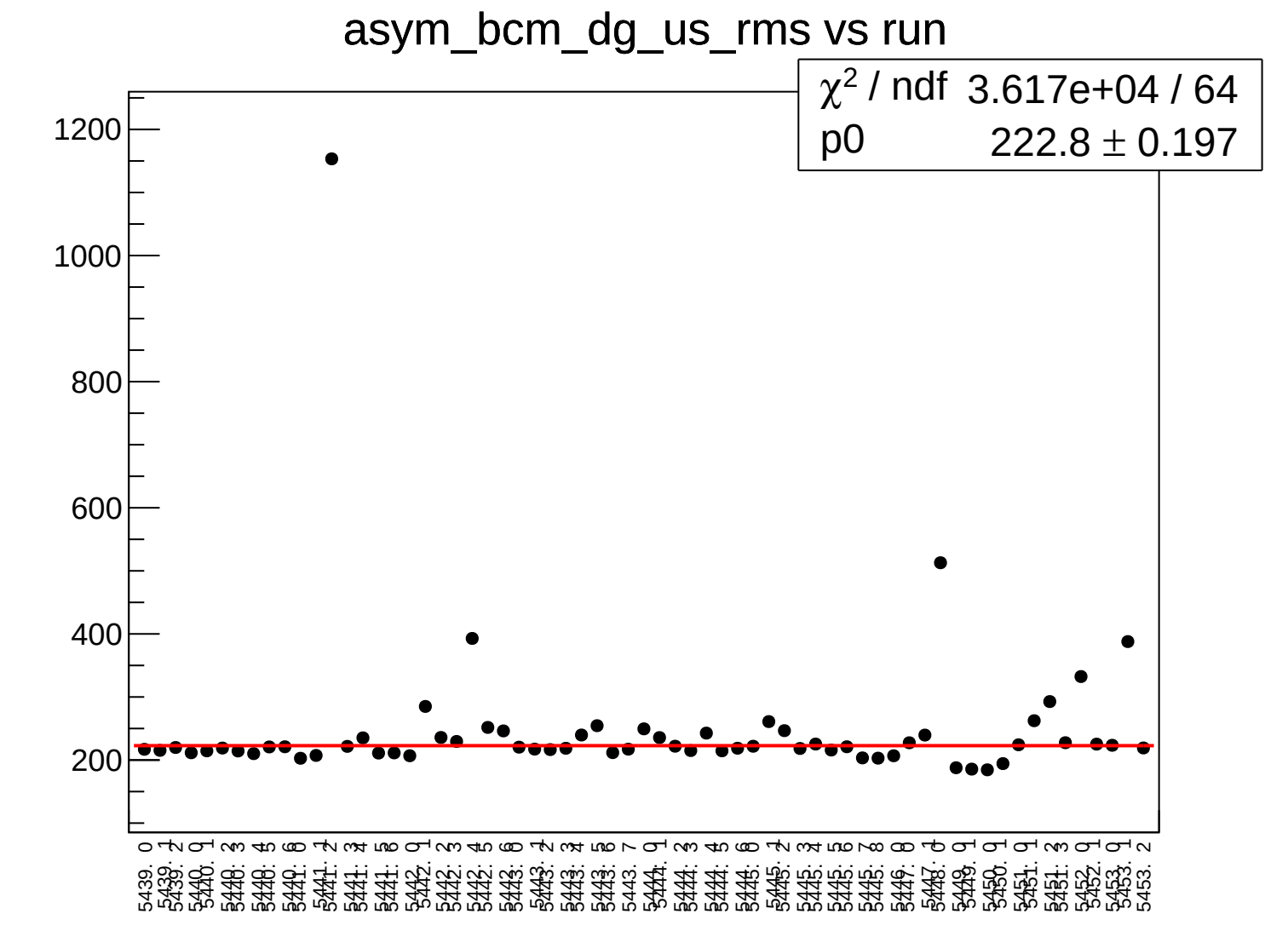

asym_bcm_an_us_mean vs run
χ² / ndf 21.09 / 64
p0 −241.7 ± 270
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 139.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

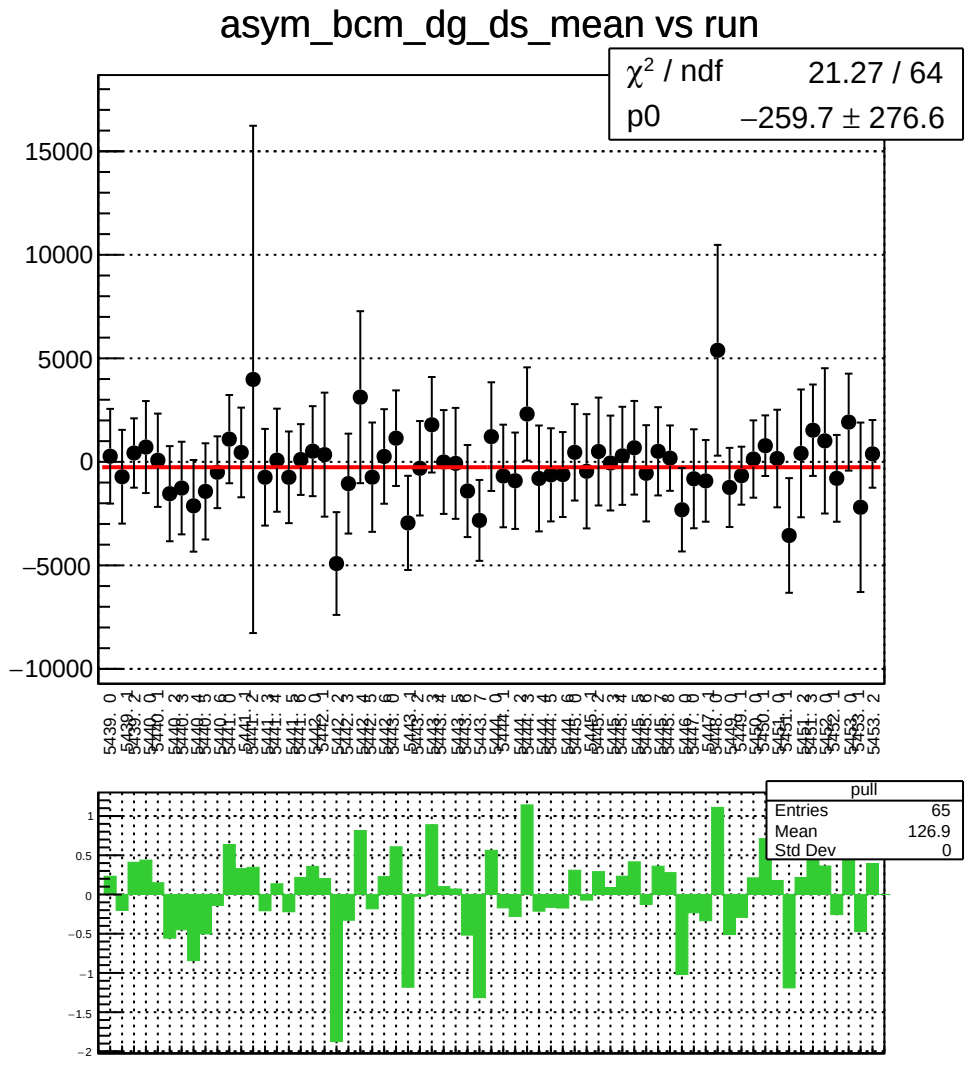

pull1D
Entries 65
Mean 0.008159
Std Dev 0.5695
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

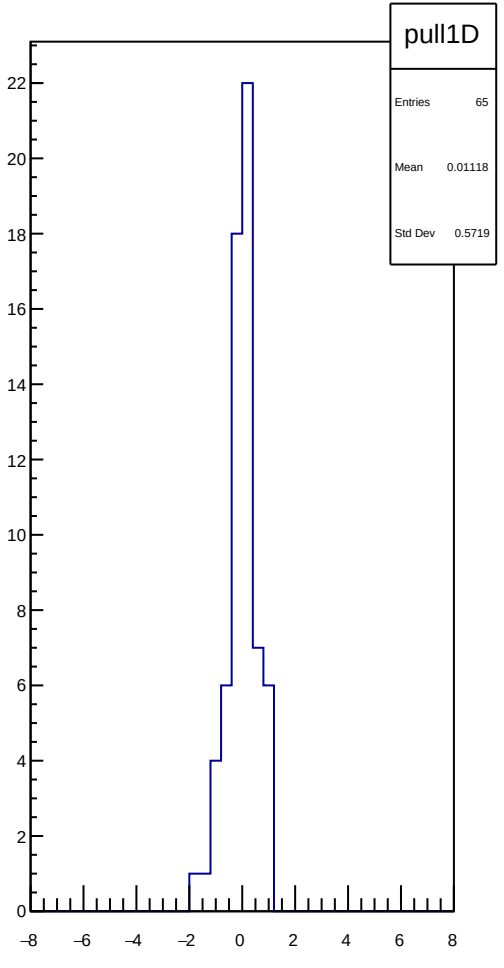

asym_bcm_an_us_rms vs run
χ² / ndf 3.799e+04 / 64
p0 215.8 ± 0.1909
1200
1000
800
600
400
200

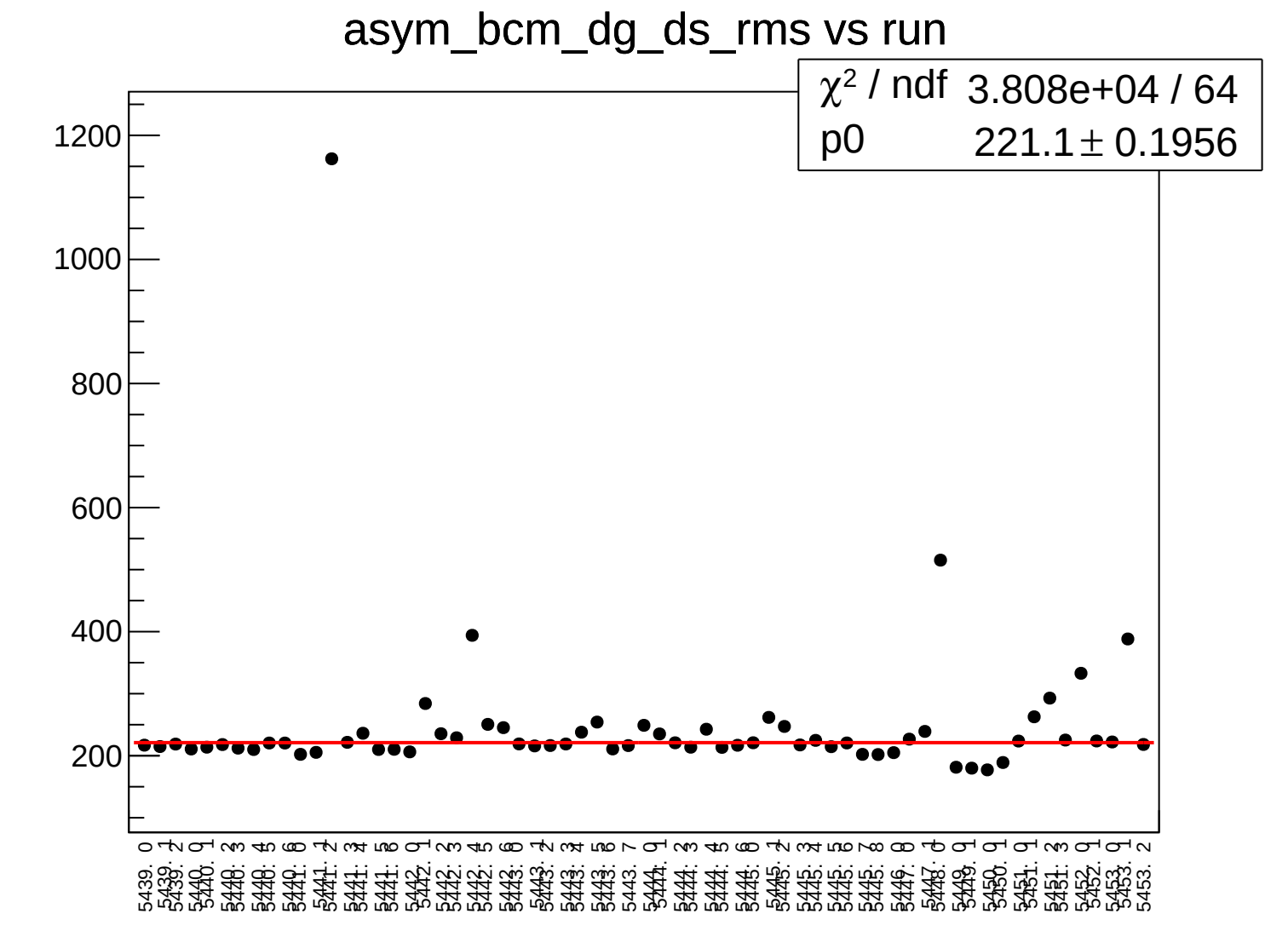

asym_bcm_dg_us_mean vs run
χ² / ndf 21.17 / 64
p0 −306.6 ± 278.6
pull
Entries 65
Mean 41.39
Std Dev 36.04

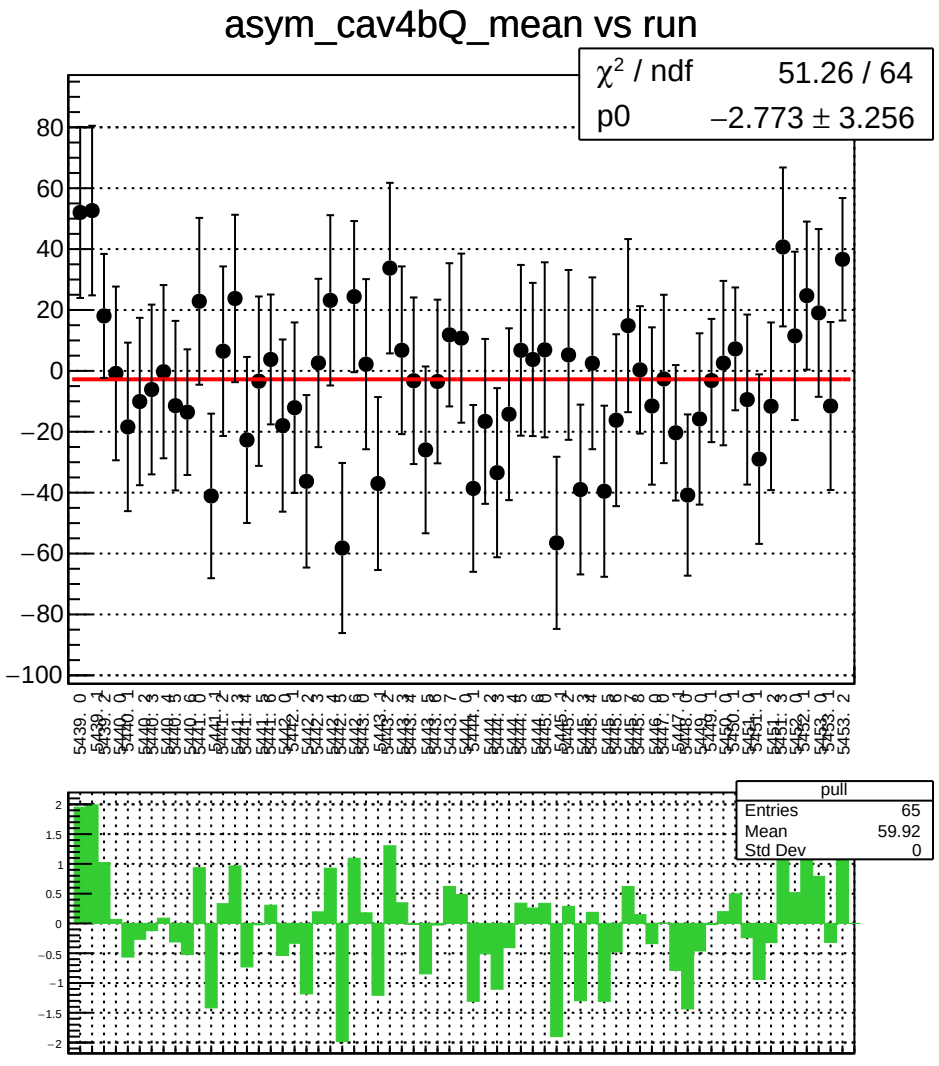

pull1D
Entries 65
Mean 0.01693
Std Dev 0.5705

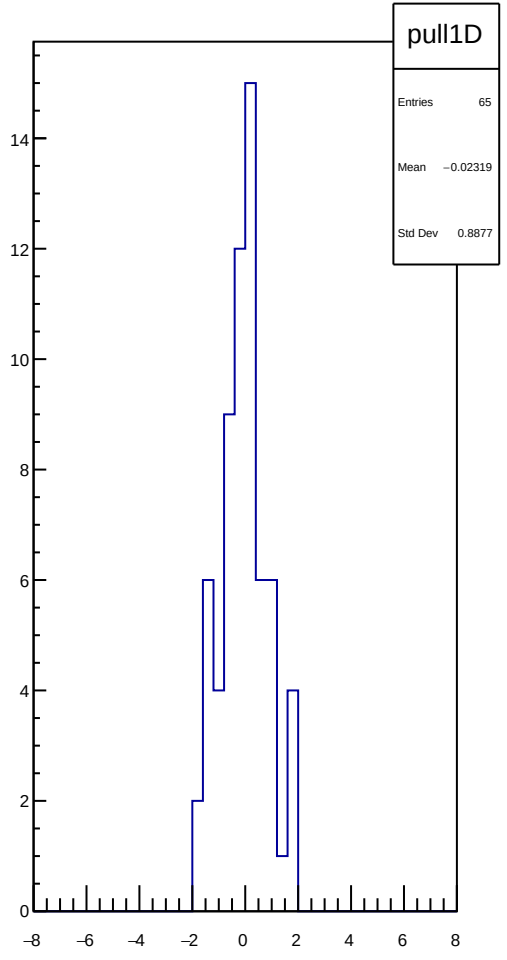

asym_bcm_dg_us_rms vs run
χ² / ndf 3.617e+04 / 64
p0 222.8 ± 0.197
1200
1000
800
600
400
200

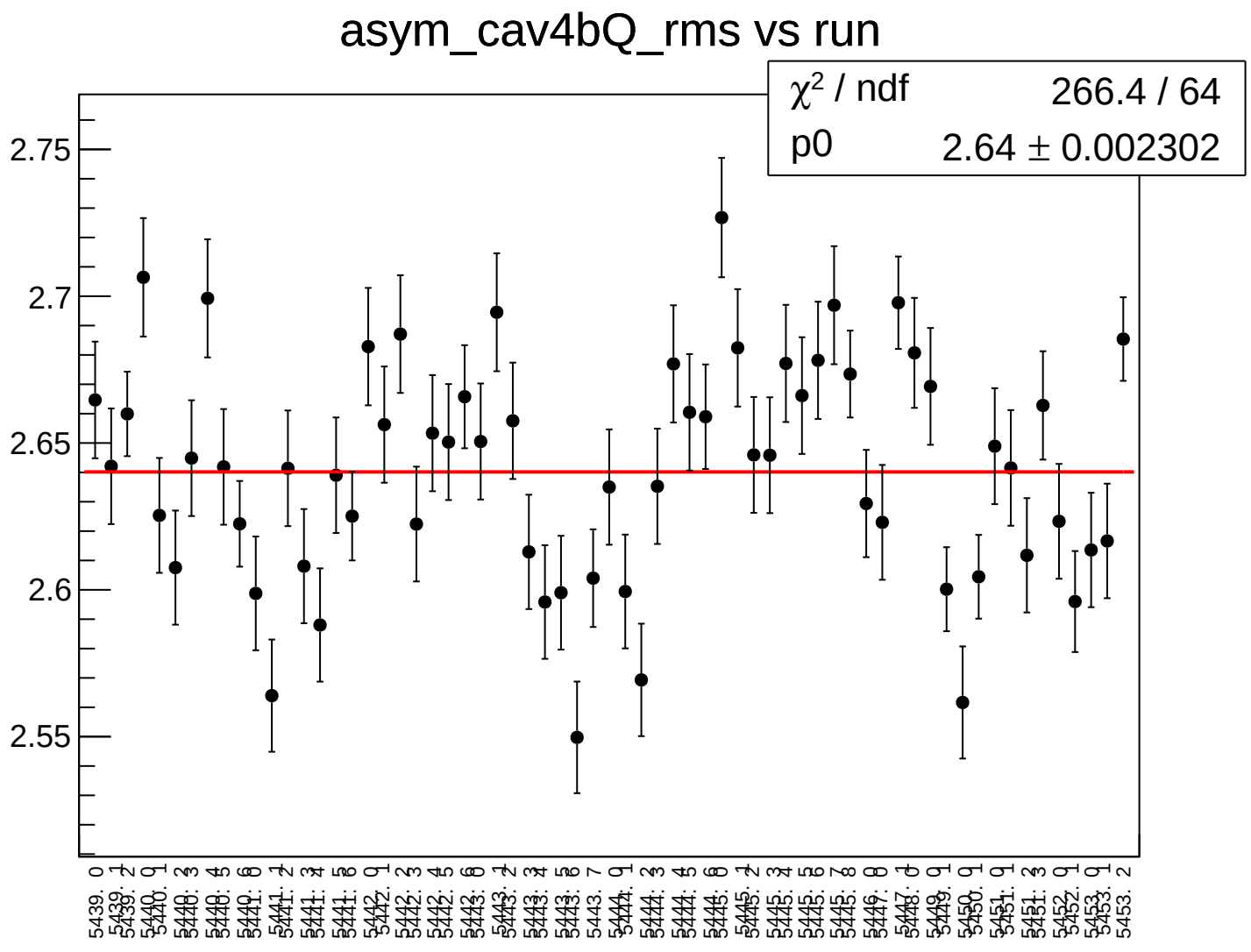

asym_bcm_dg_ds_mean vs run
χ² / ndf 21.27 / 64
p0 −259.7 ± 276.6
pull
Entries 65
Mean 126.9
Std Dev 0

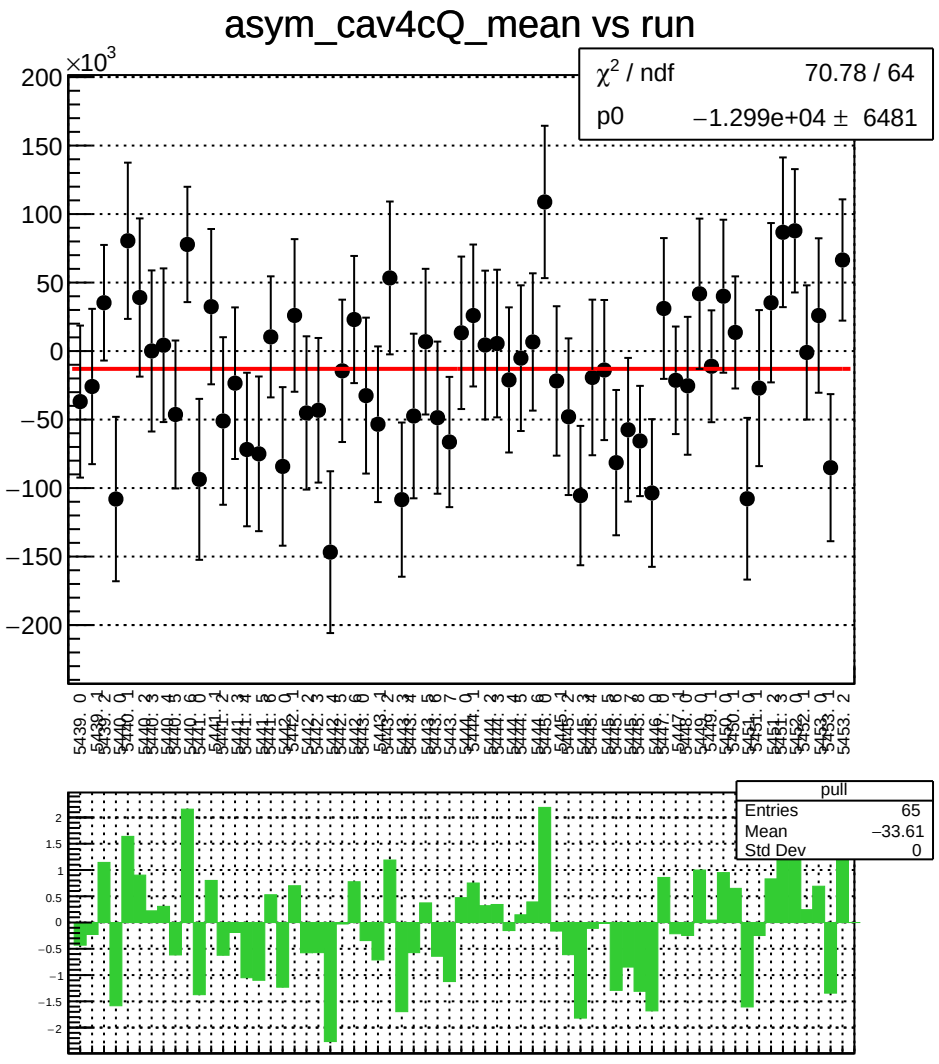

pull1D
Entries 65
Mean 0.01118
Std Dev 0.5719

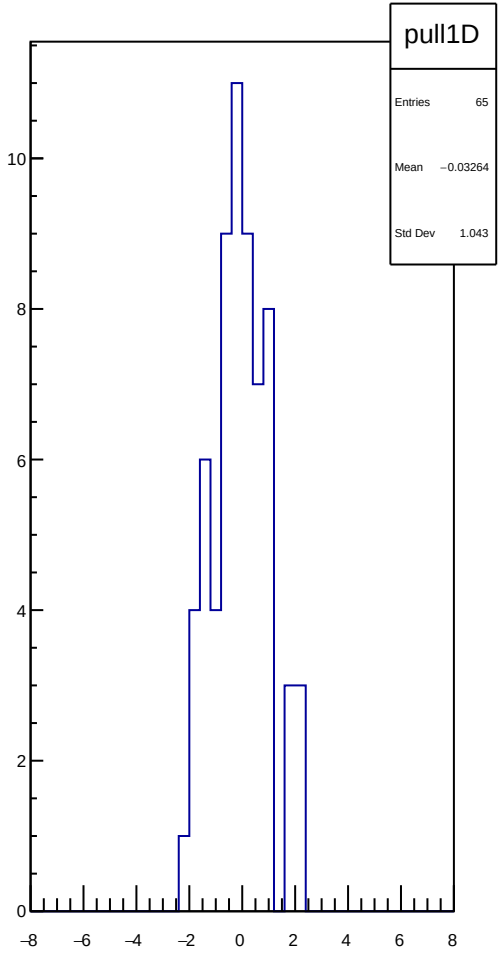

asym_bcm_dg_ds_rms vs run
χ² / ndf 3.808e+04 / 64
p0 221.1 ± 0.1956
1200
1000
800
600
400
200

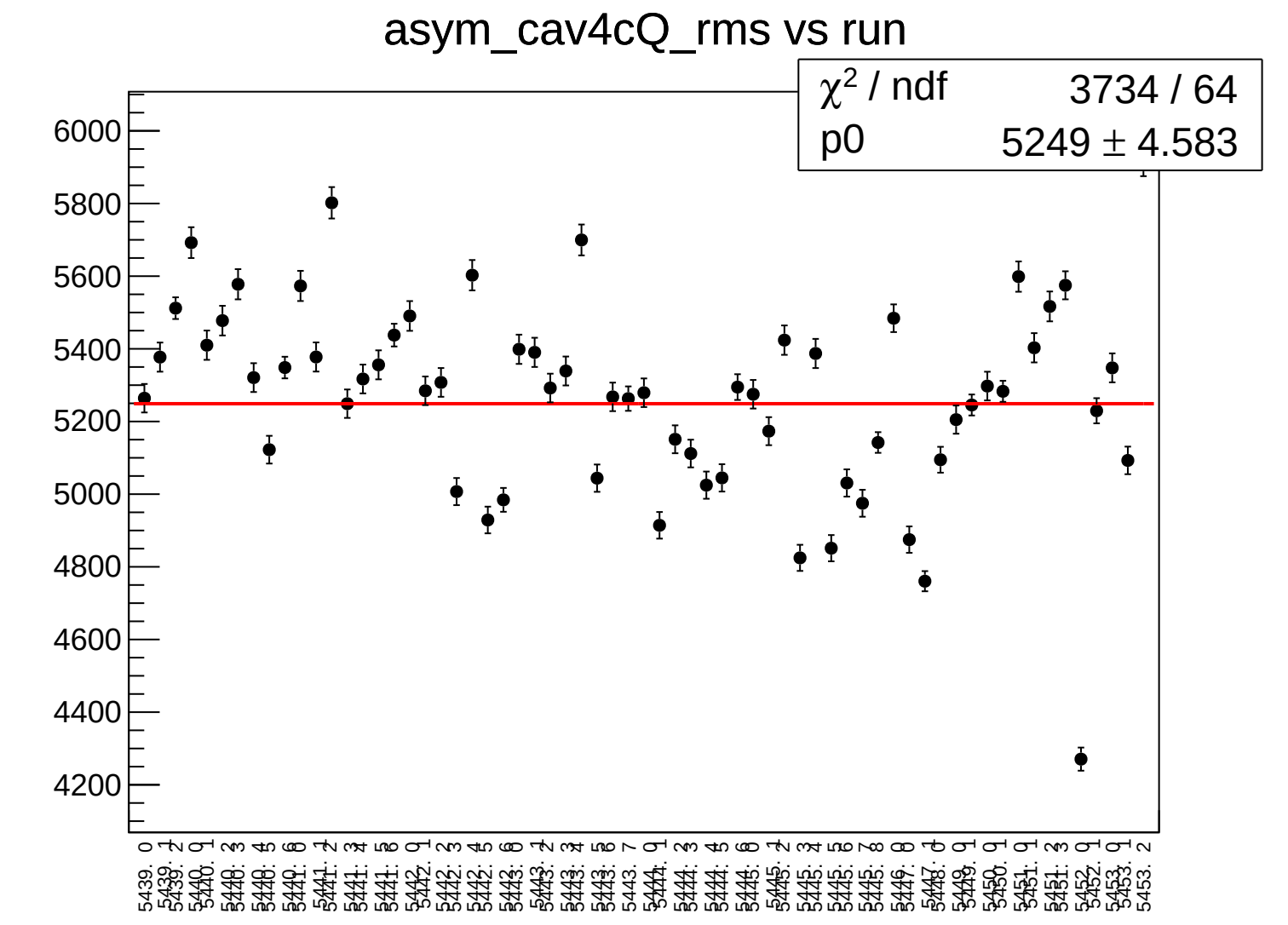

asym_cav4bQ_mean vs run
χ² / ndf 51.26 / 64
p0 −2.773 ± 3.256
pull
Entries 65
Mean 59.92
Std Dev 0

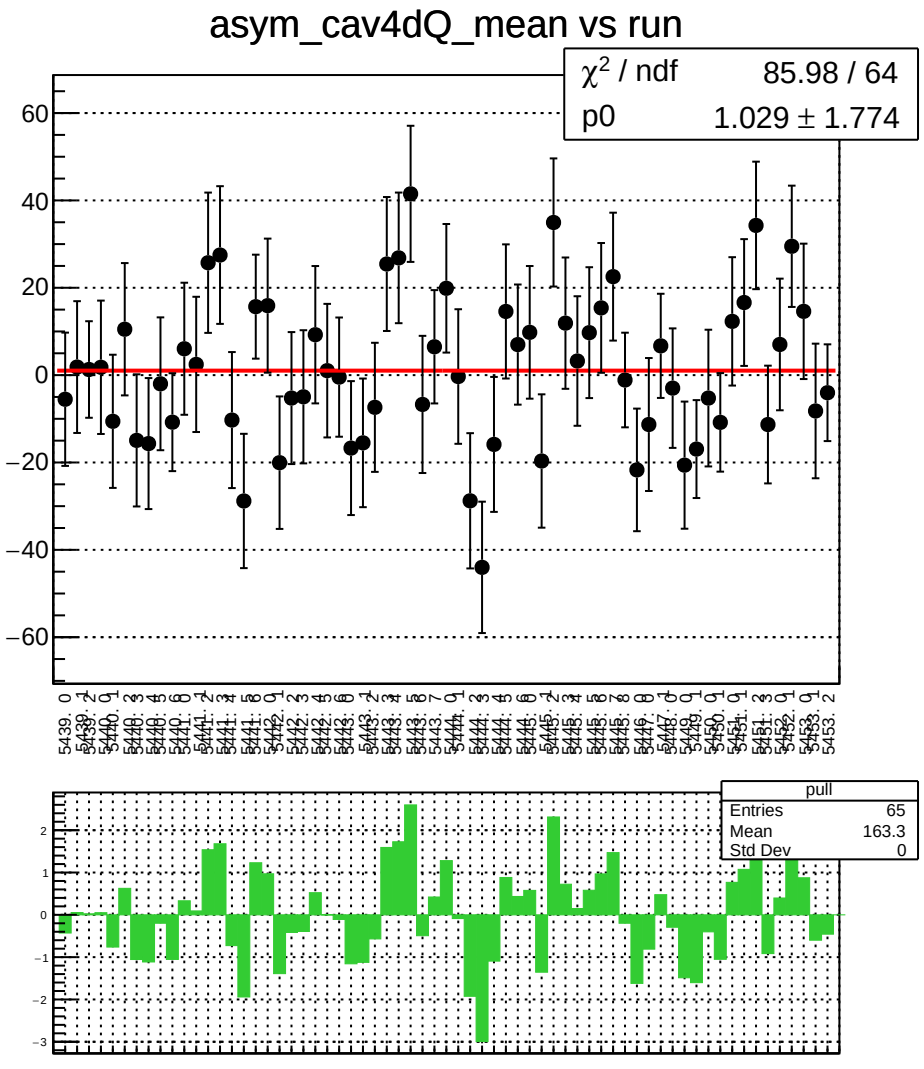

pull1D
Entries 65
Mean −0.02319
Std Dev 0.8877

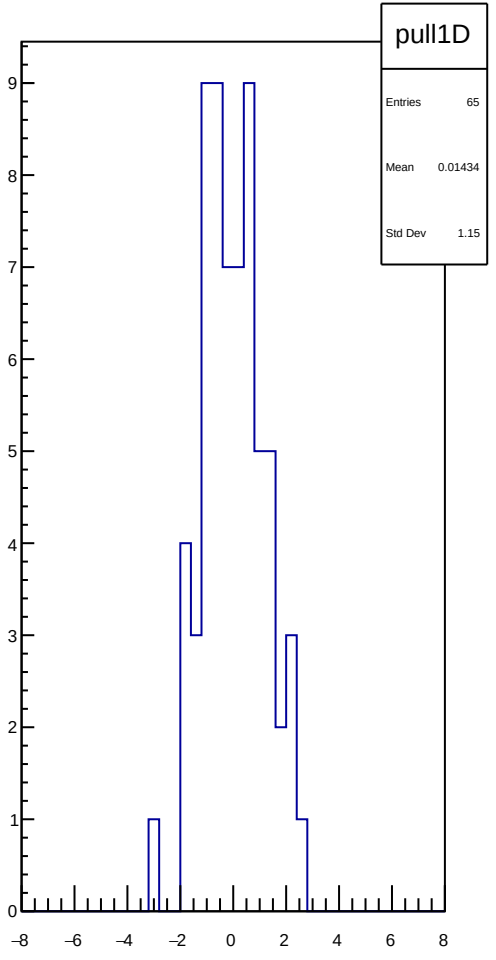

asym_cav4bQ_rms vs run
χ² / ndf 266.4 / 64
p0 2.64 ± 0.002302
2.75
2.7
2.65
2.6
2.55

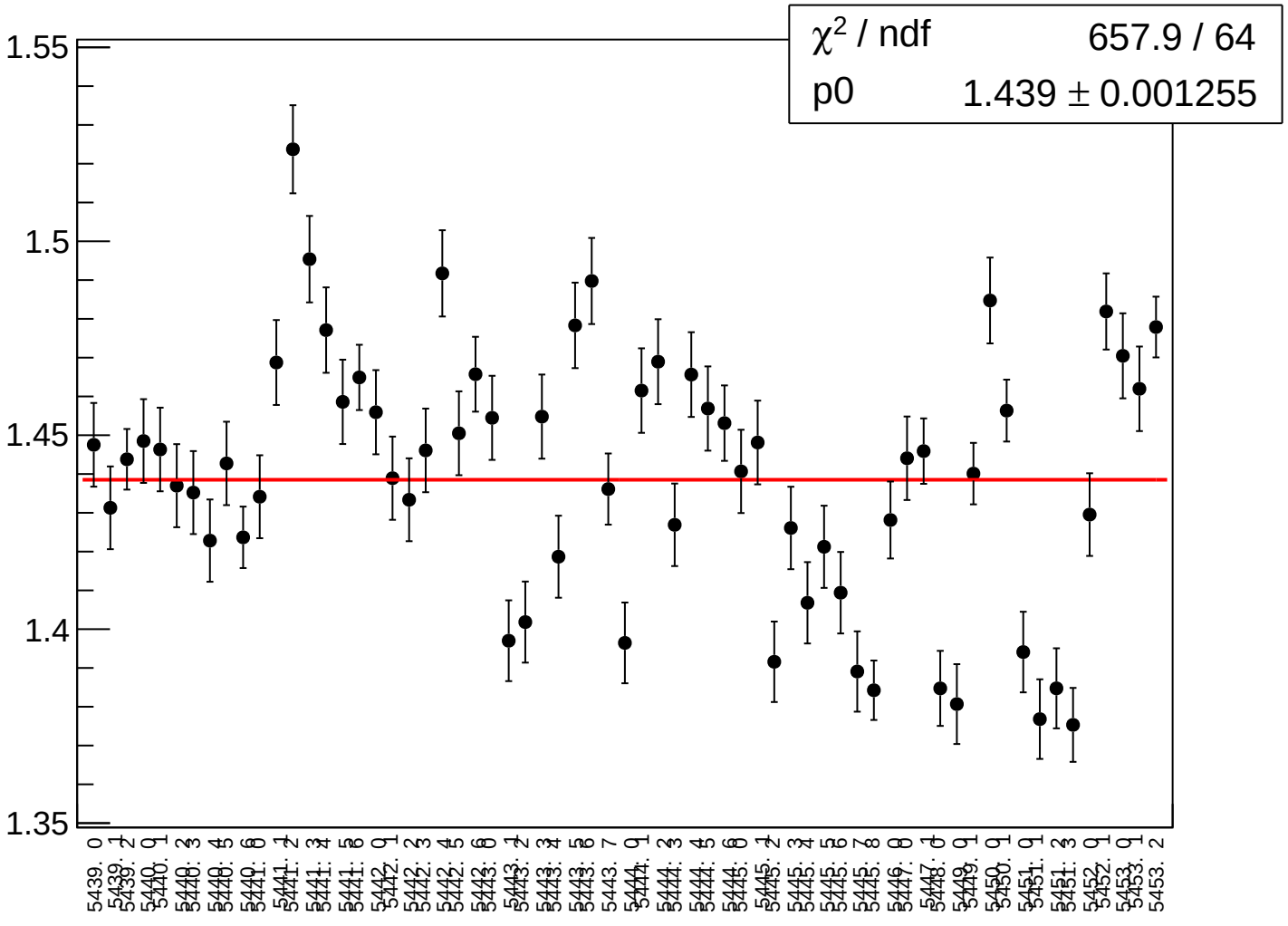

asym_cav4cQ_mean vs run
×10^3
χ² / ndf 70.78 / 64
p0 −1.299e+04 ± 6481
pull
Entries 65
Mean −33.61
Std Dev 0

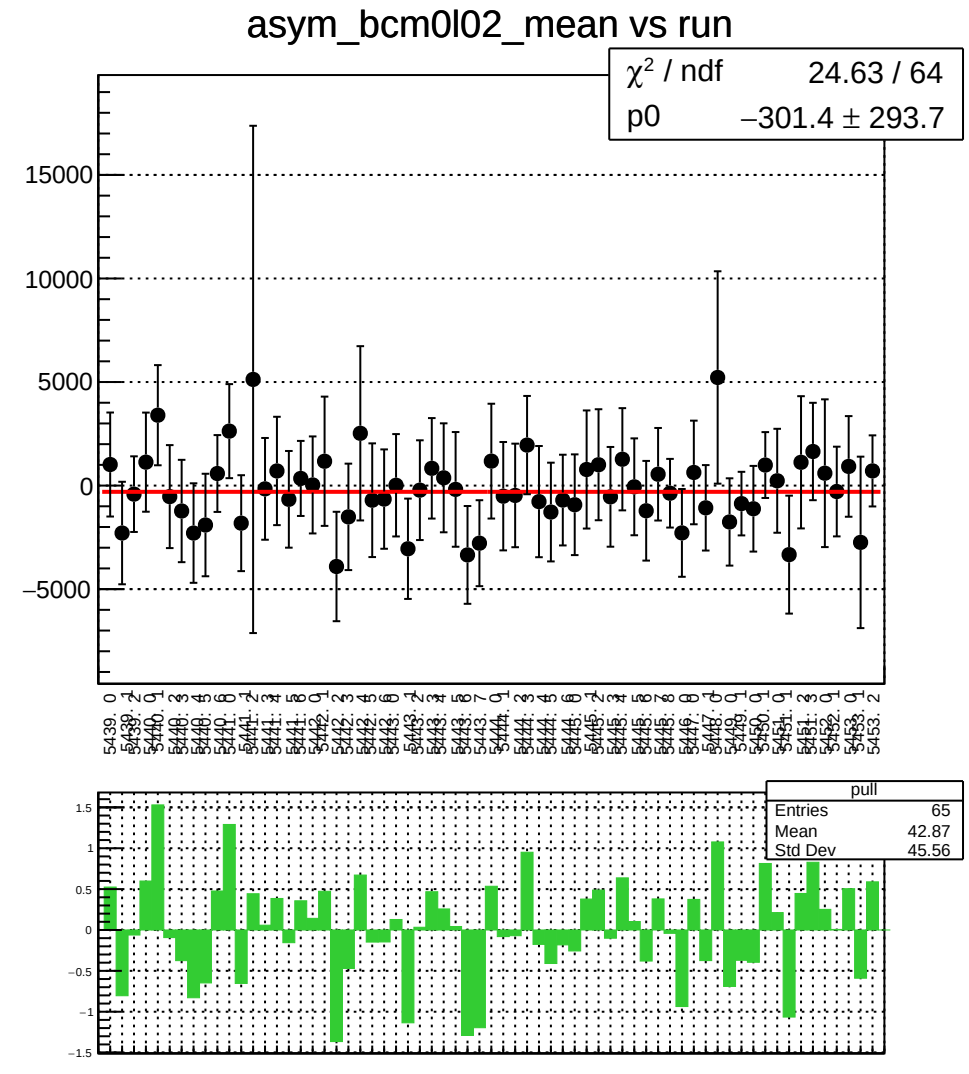

pull1D
Entries 65
Mean −0.03264
Std Dev 1.043

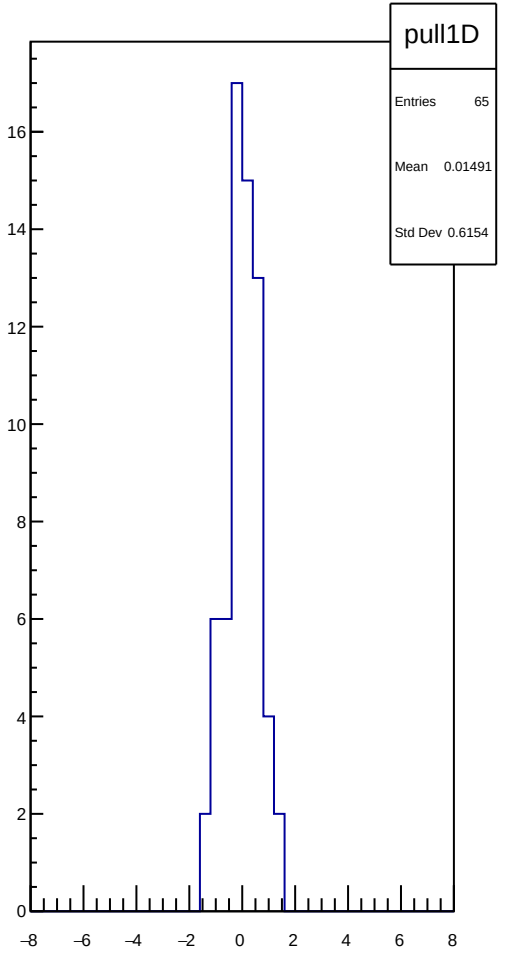

asym_cav4cQ_rms vs run
χ² / ndf 3734 / 64
p0 5249 ± 4.583
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

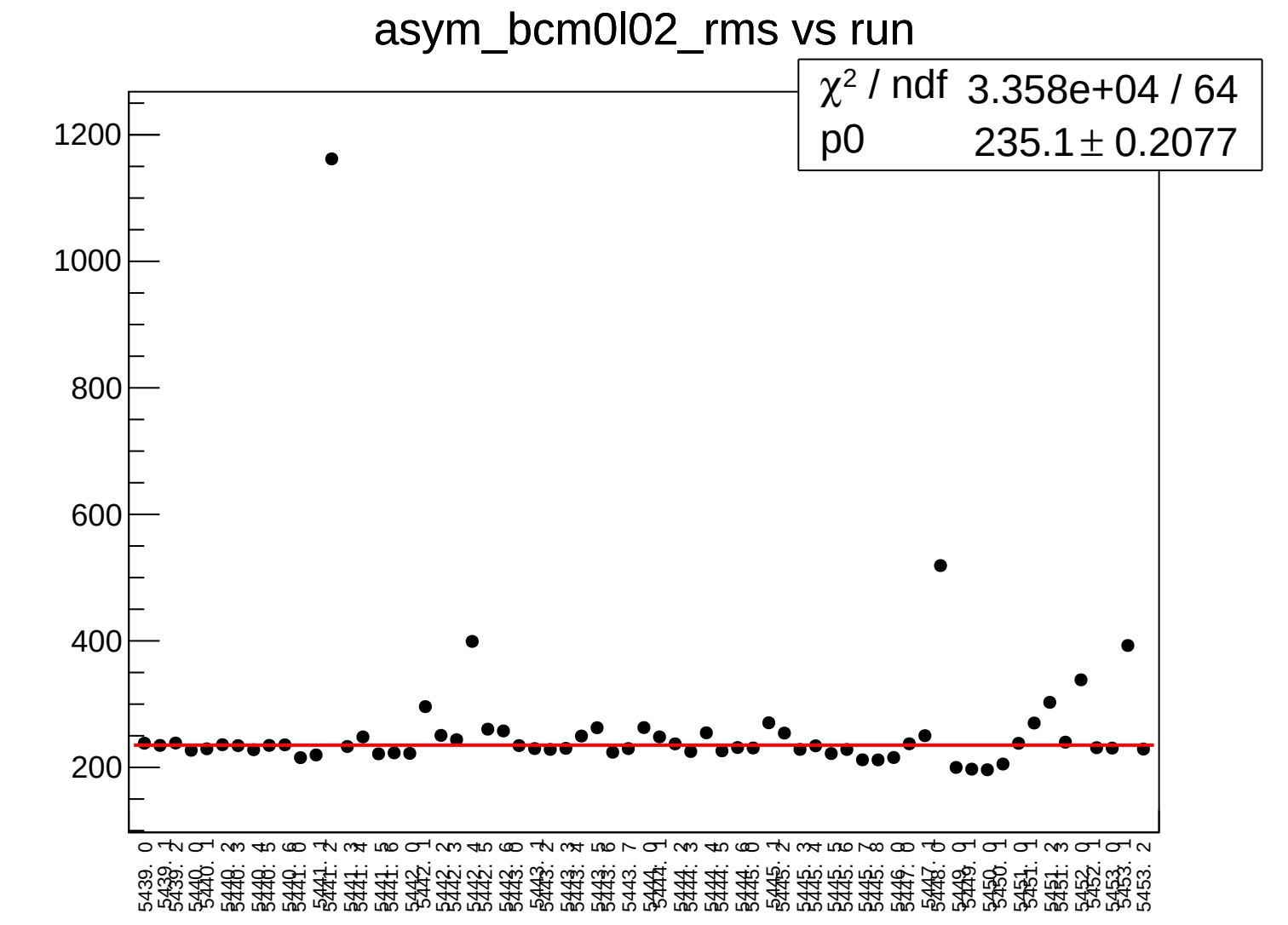

asym_cav4dQ_mean vs run
χ² / ndf 85.98 / 64
p0 1.029 ± 1.774
pull
Entries 65
Mean 163.3
Std Dev 0

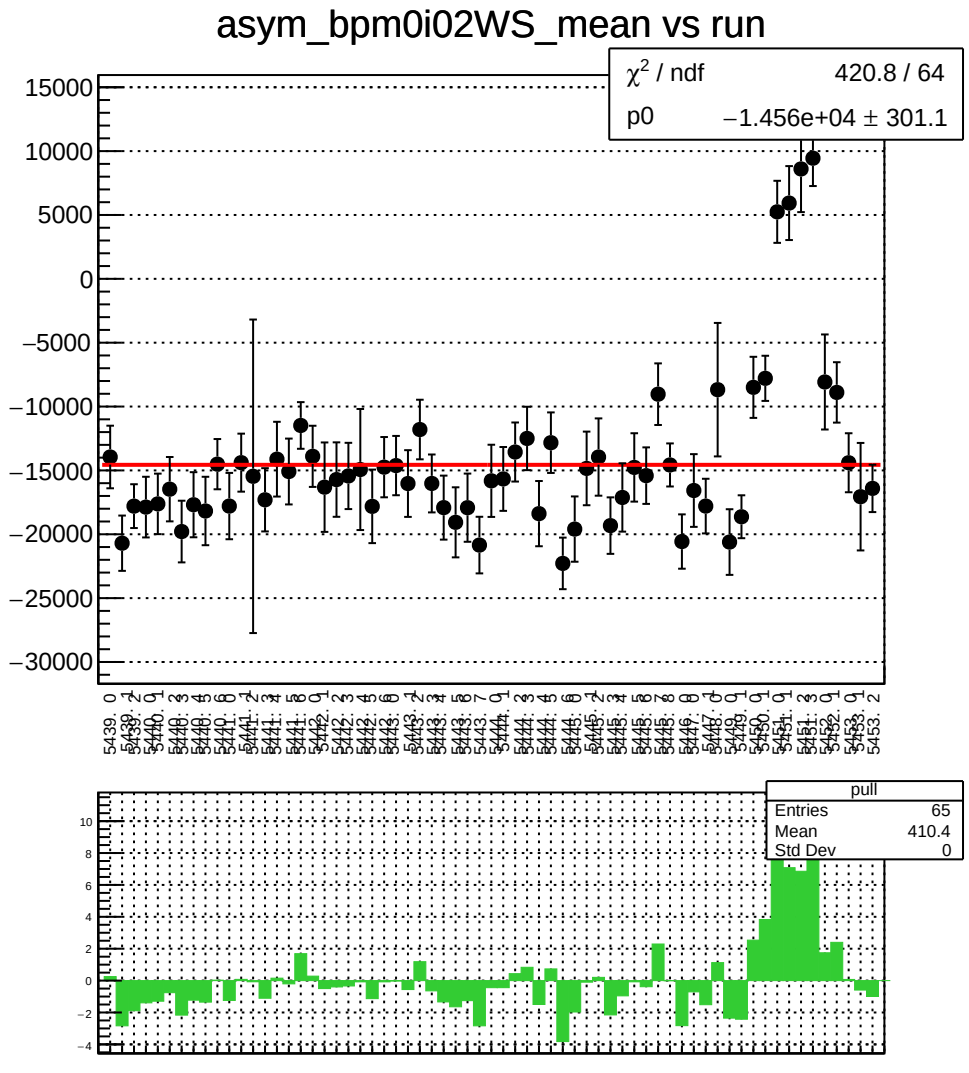

pull1D
Entries 65
Mean 0.01434
Std Dev 1.15

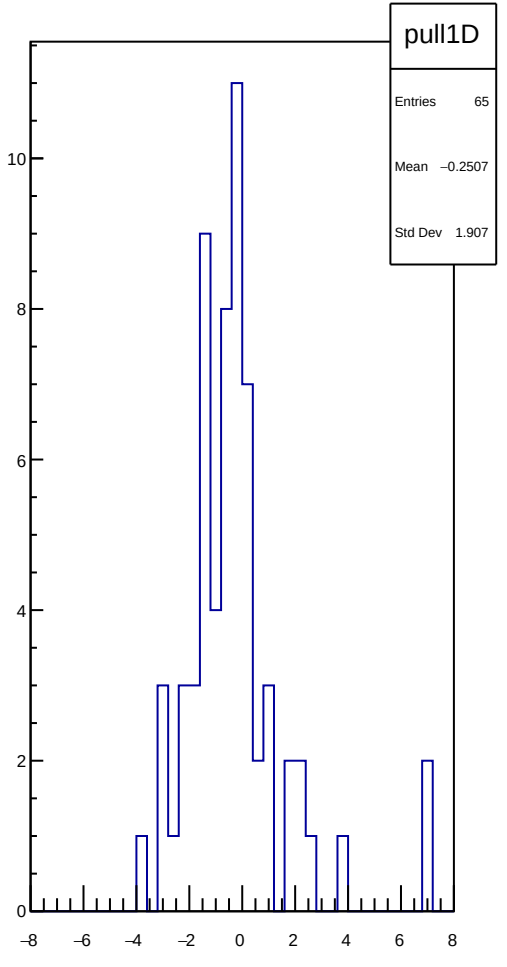

asym_cav4dQ_rms vs run
χ² / ndf 657.9 / 64
p0 1.439 ± 0.001255
1.55
1.5
1.45
1.4
1.35

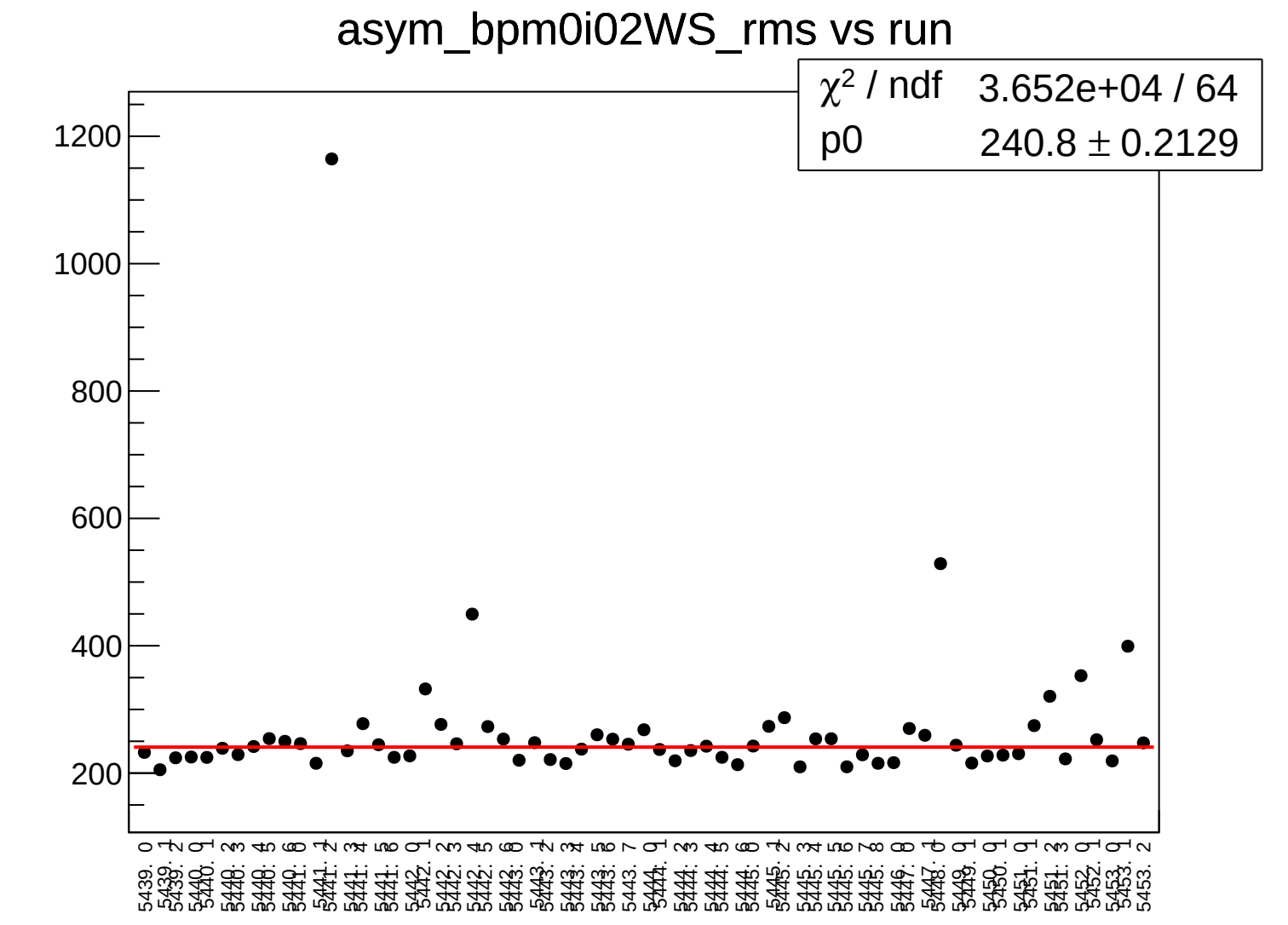

asym_bcm0l02_mean vs run
χ² / ndf 24.63 / 64
p0 −301.4 ± 293.7
15000
10000
5000
0
−5000
pull
Entries 65
Mean 42.87
Std Dev 45.56
1.5
1
0.5
0
−0.5
−1
−1.5

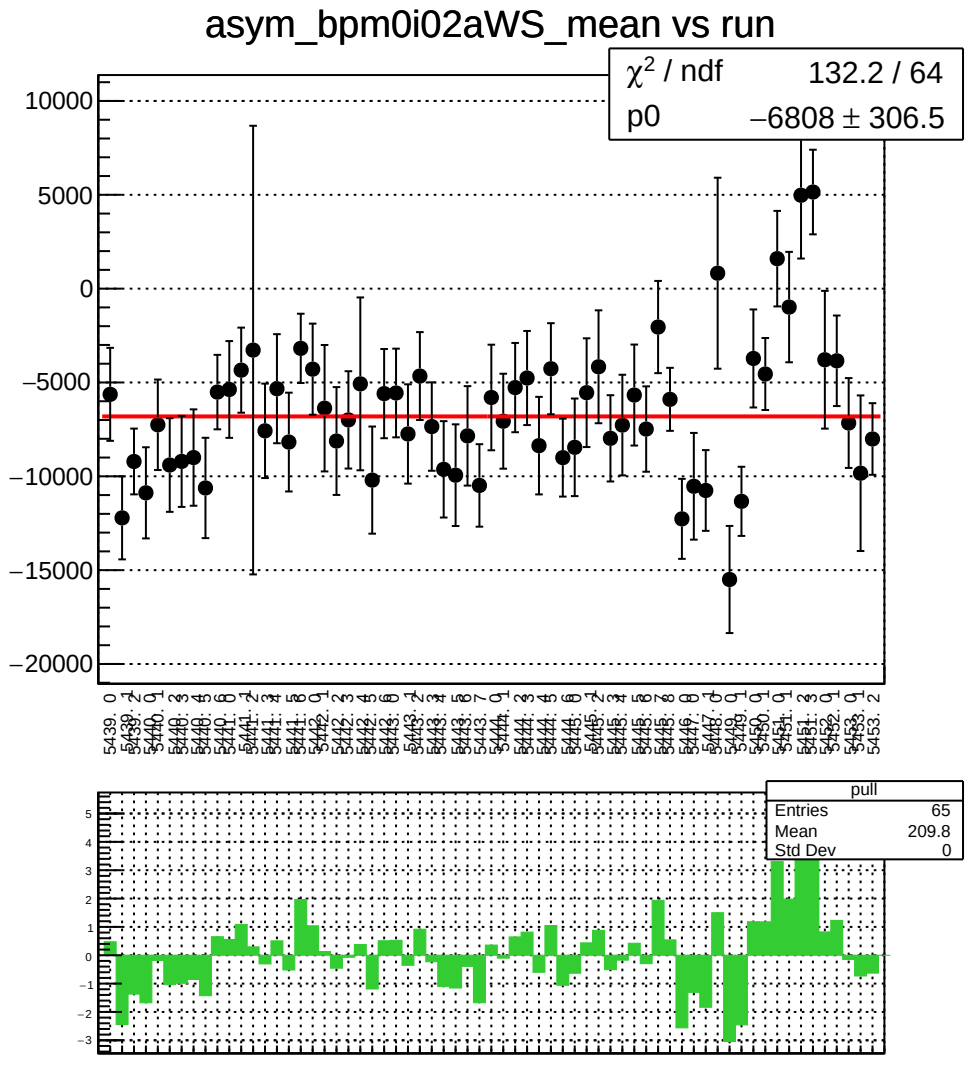

pull1D
Entries 65
Mean 0.01491
Std Dev 0.6154
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

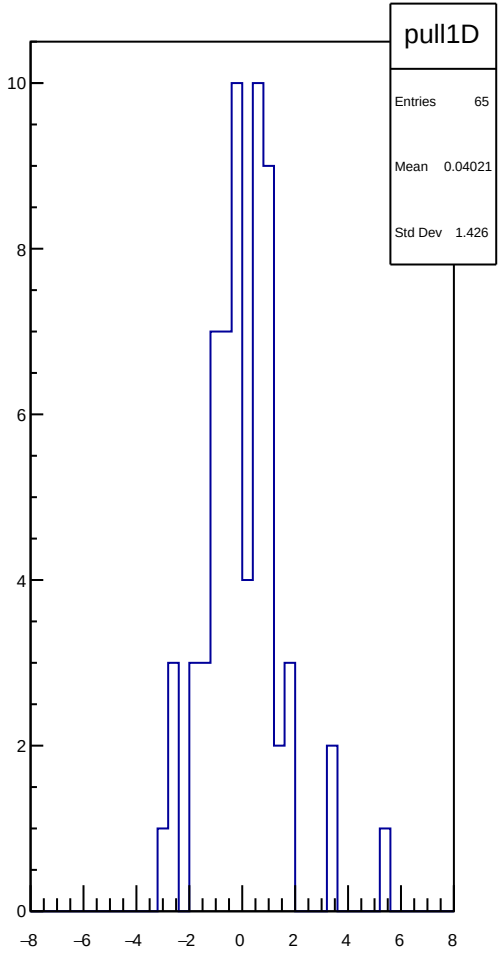

asym_bcm0l02_rms vs run
χ² / ndf 3.358e+04 / 64
p0 235.1 ± 0.2077
1200
1000
800
600
400
200

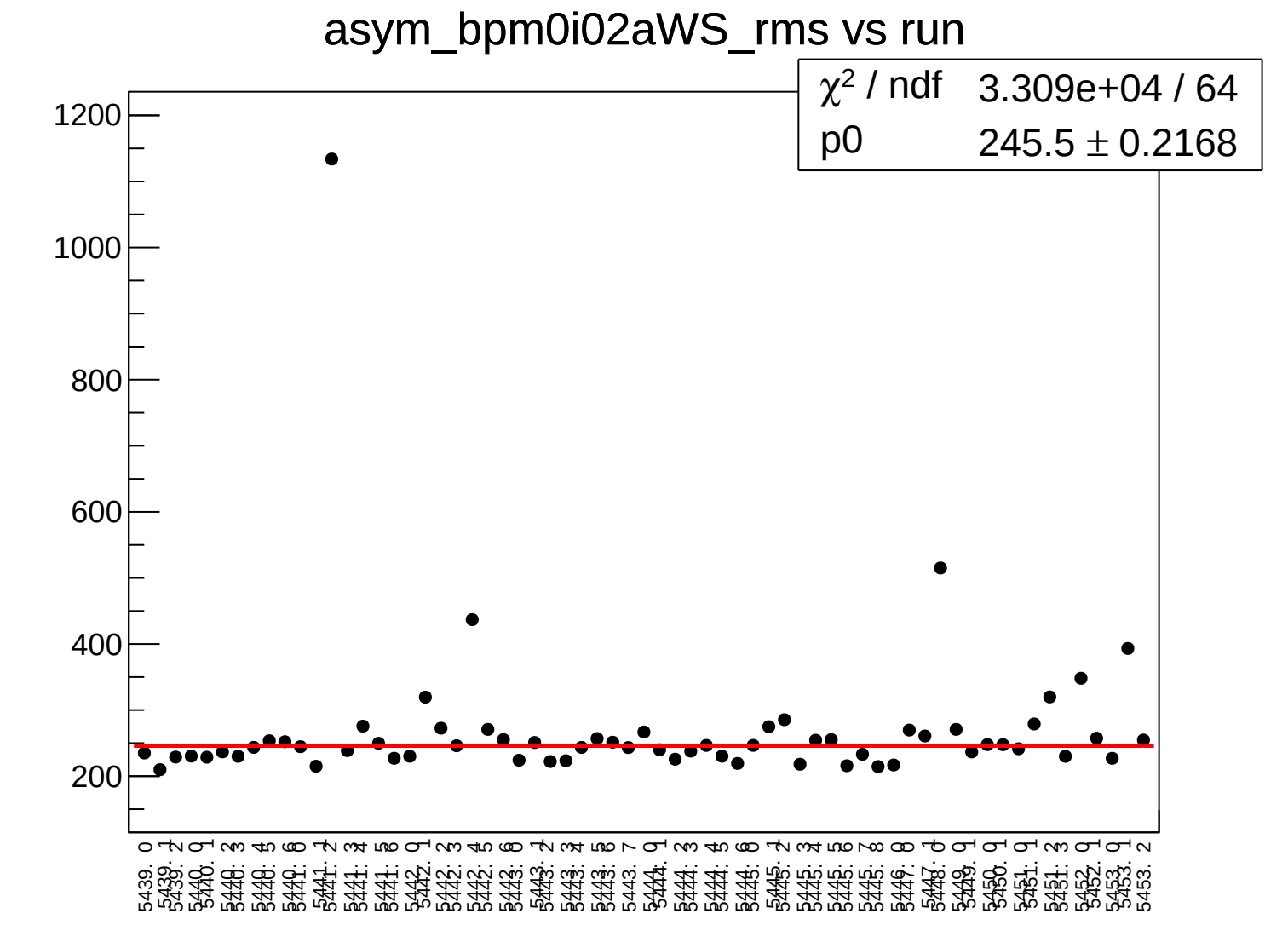

asym_bpm0i02WS_mean vs run
χ² / ndf 420.8 / 64
p0 −1.456e+04 ± 301.1
pull
Entries 65
Mean 410.4
Std Dev 0

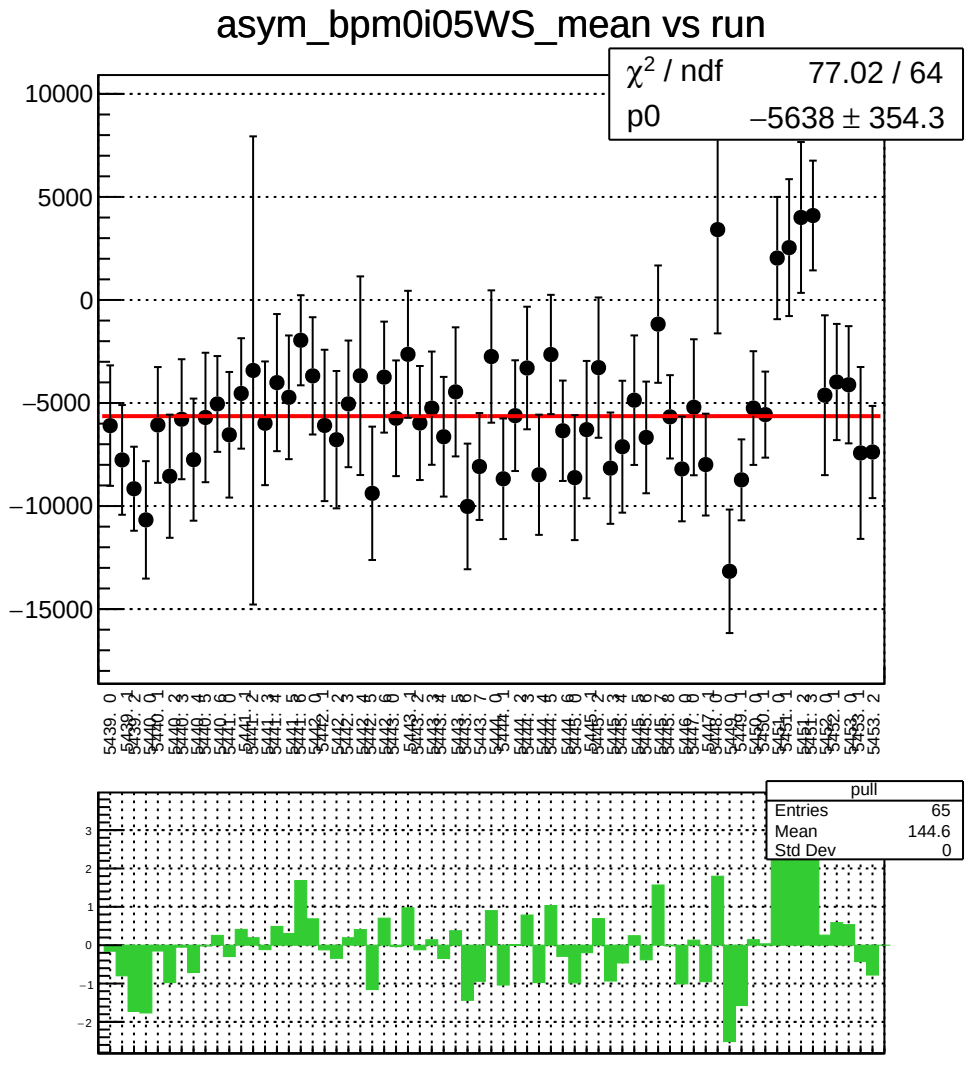

pull1D
Entries 65
Mean −0.2507
Std Dev 1.907

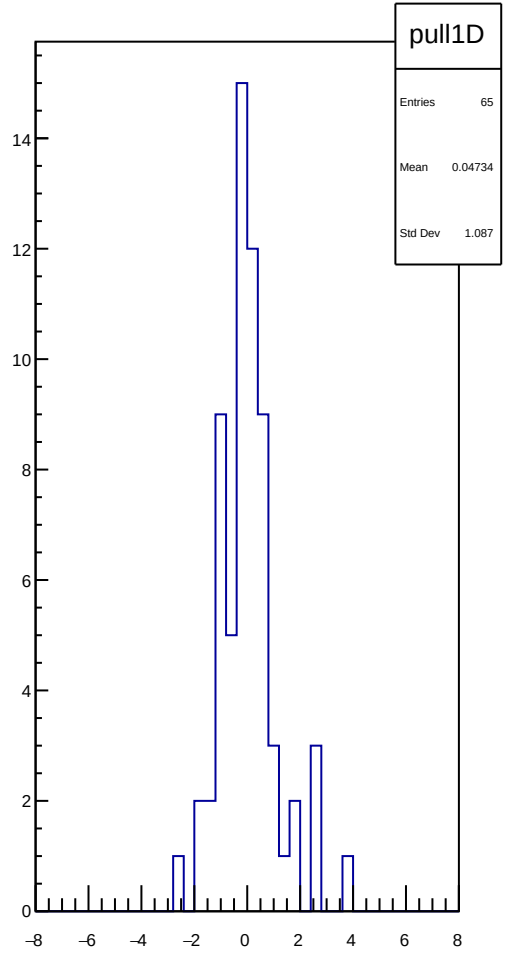

asym_bpm0i02WS_rms vs run
χ² / ndf 3.652e+04 / 64
p0 240.8 ± 0.2129
1200
1000
800
600
400
200

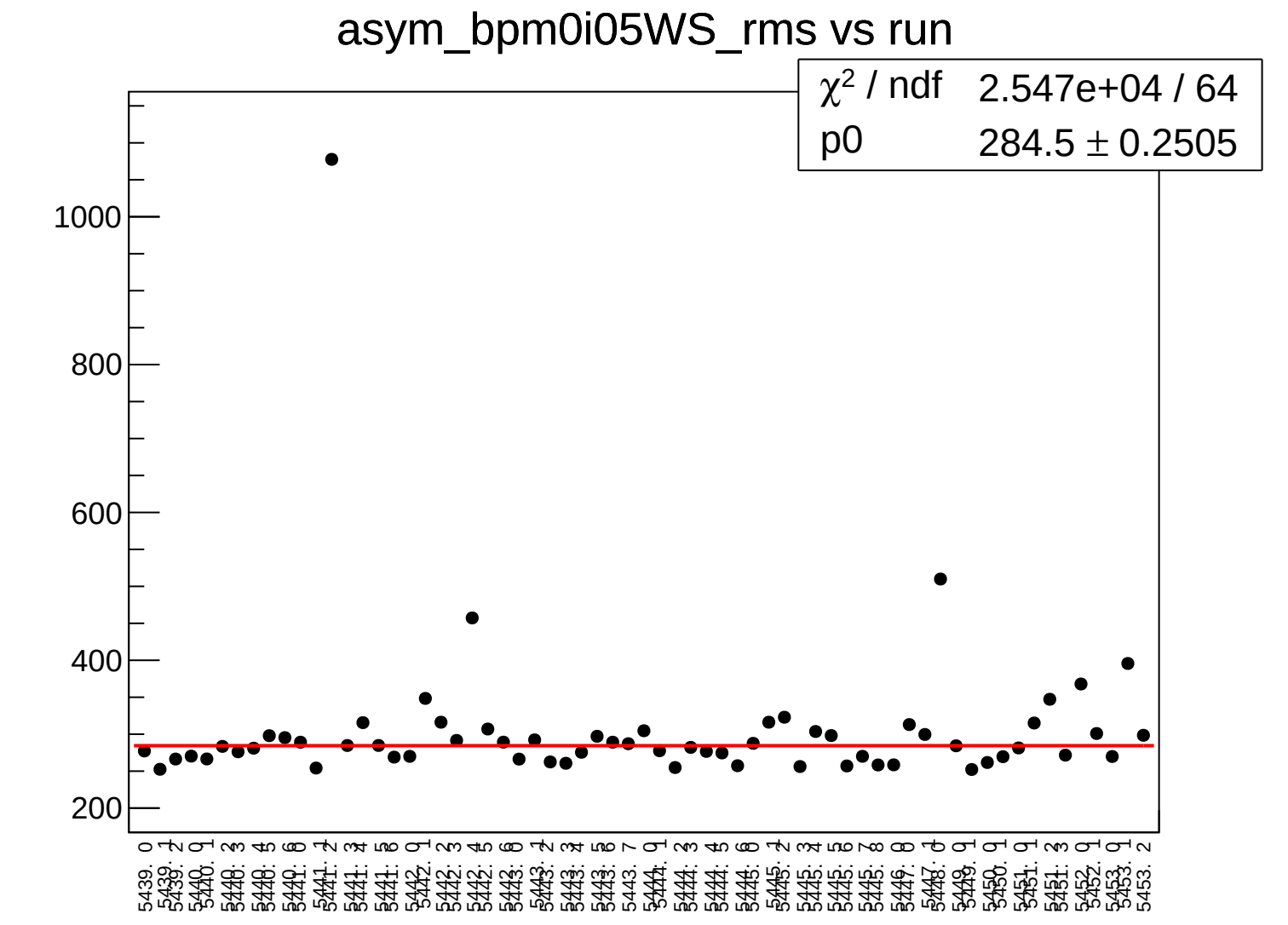

asym_bpm0i02aWS_mean vs run
χ² / ndf 132.2 / 64
p0 −6808 ± 306.5
pull
Entries 65
Mean 209.8
Std Dev 0

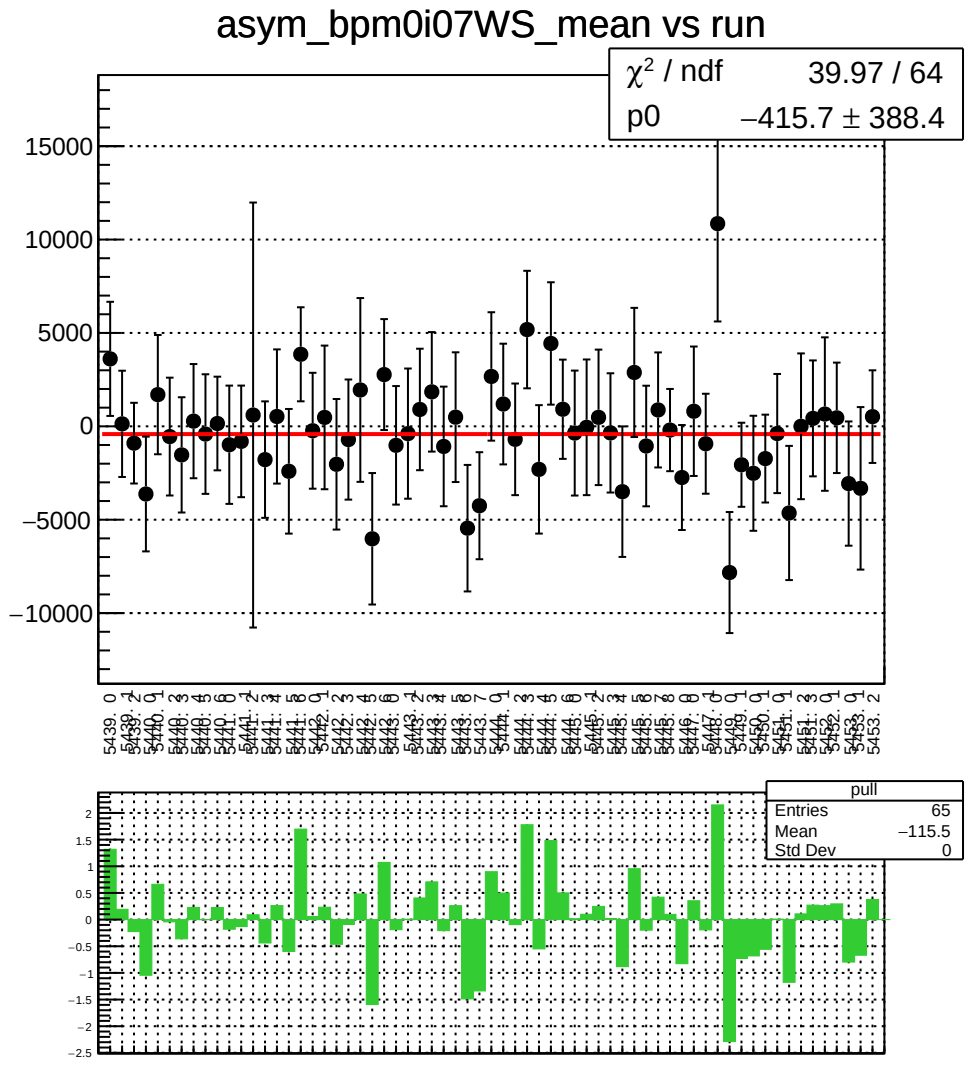

pull1D
Entries 65
Mean 0.04021
Std Dev 1.426

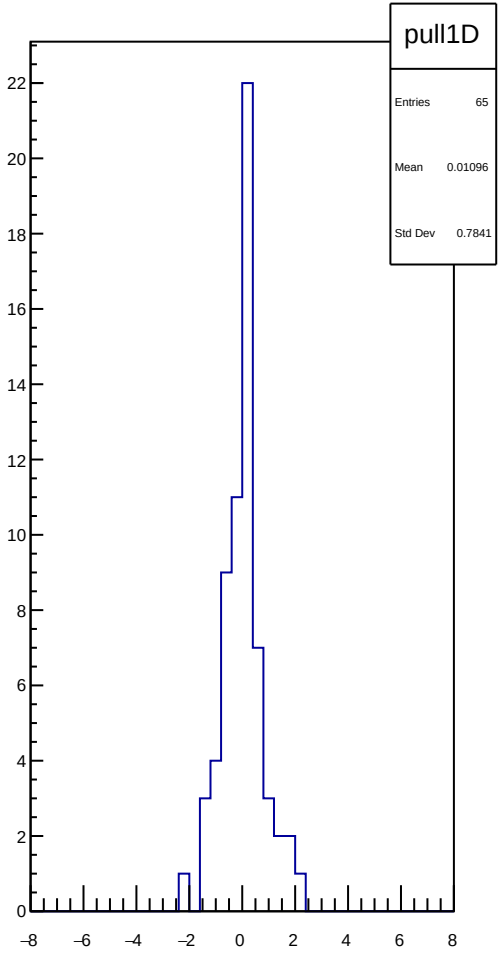

asym_bpm0i02aWS_rms vs run
χ² / ndf 3.309e+04 / 64
p0 245.5 ± 0.2168
1200
1000
800
600
400
200

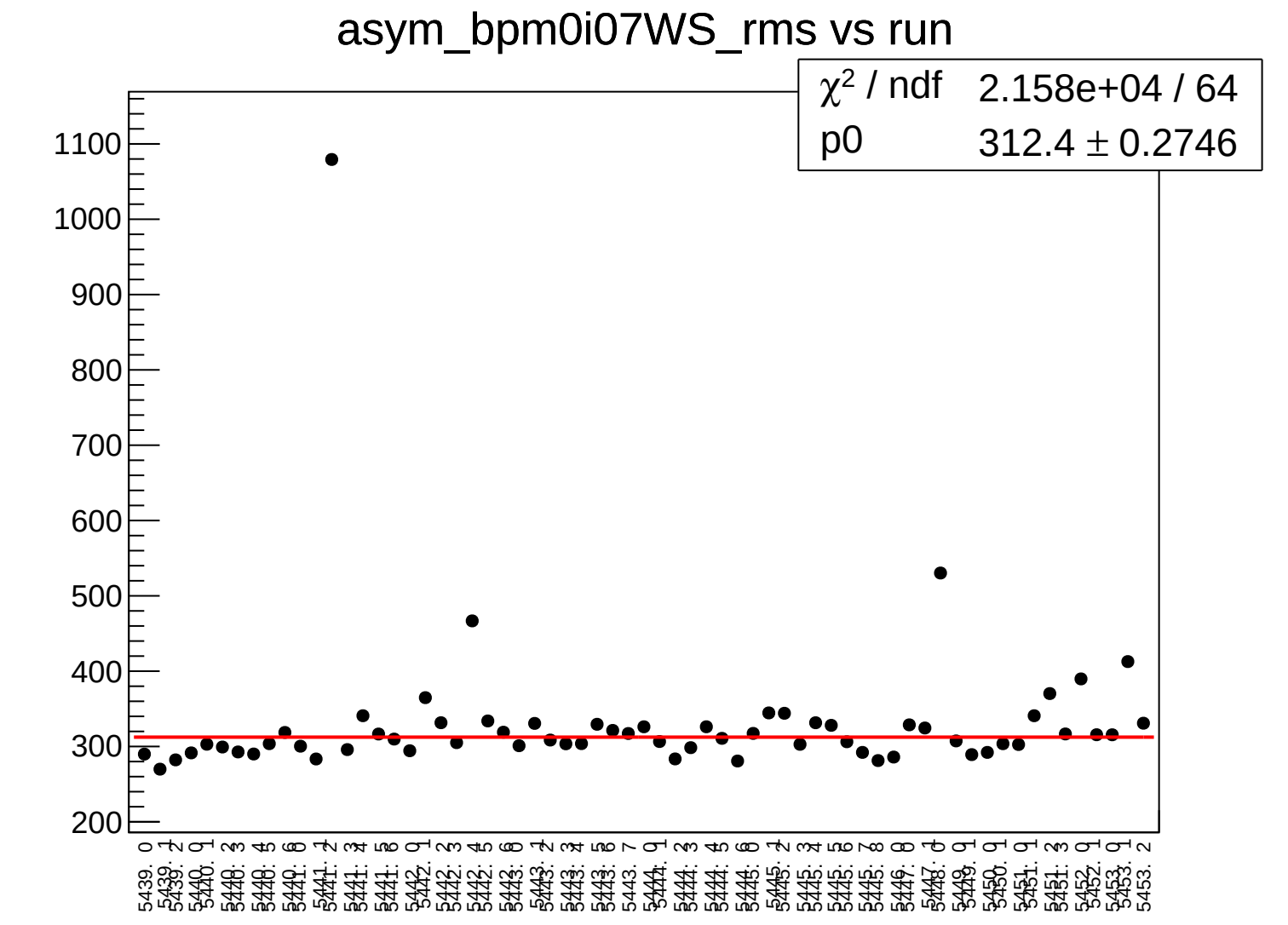

asym_bpm0i05WS_mean vs run
χ² / ndf 77.02 / 64
p0 −5638 ± 354.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 144.6
Std Dev 0
3
2
1
0
−1
−2

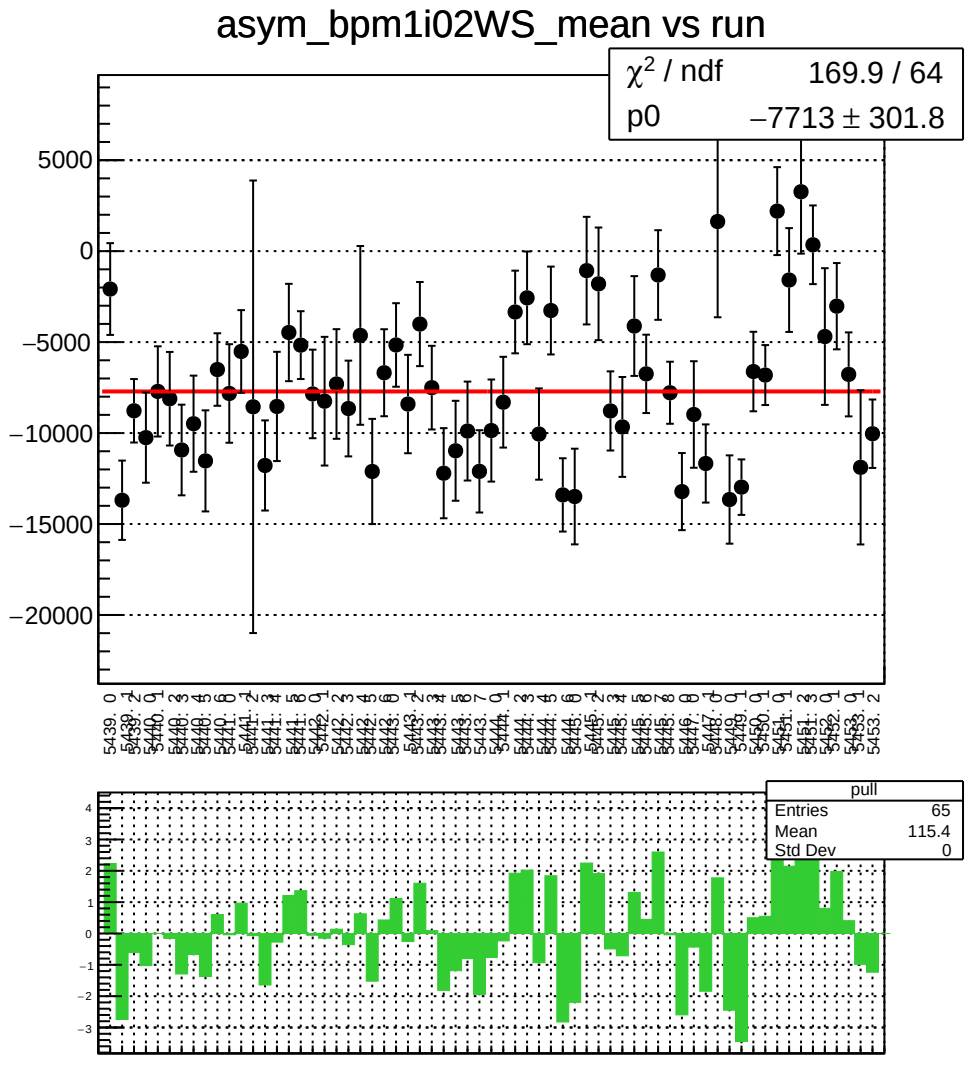

pull1D
Entries 65
Mean 0.04734
Std Dev 1.087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

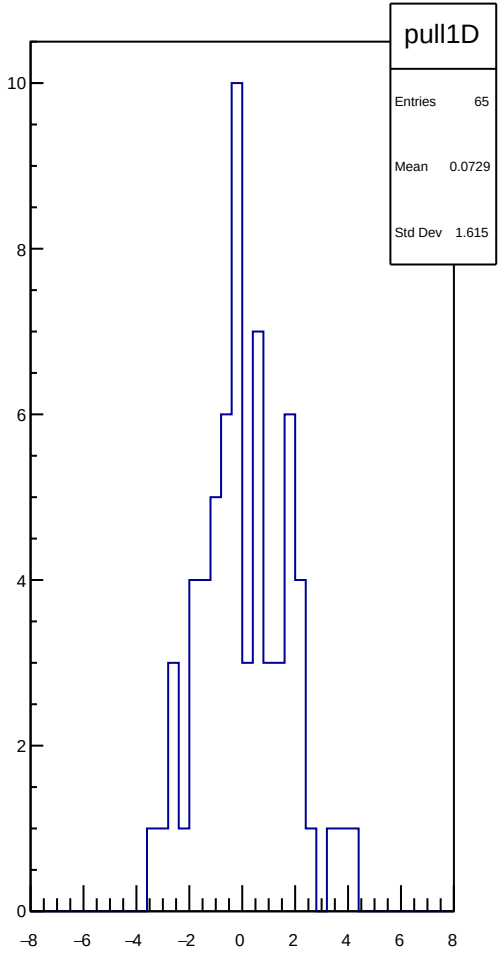

asym_bpm0i05WS_rms vs run
χ² / ndf 2.547e+04 / 64
p0 284.5 ± 0.2505
1000
800
600
400
200

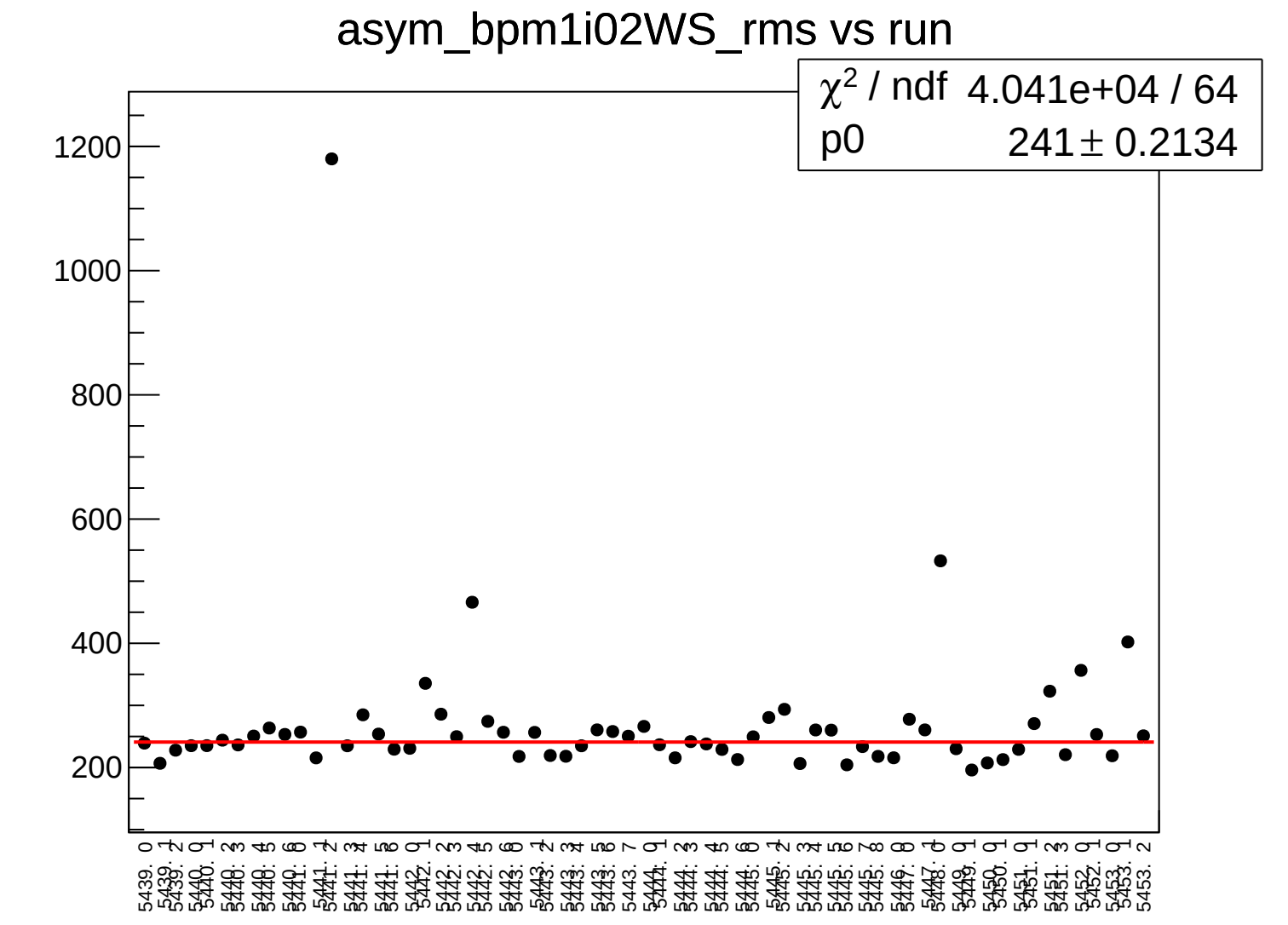

asym_bpm0i07WS_mean vs run
χ² / ndf 39.97 / 64
p0 −415.7 ± 388.4
pull
Entries 65
Mean −115.5
Std Dev 0

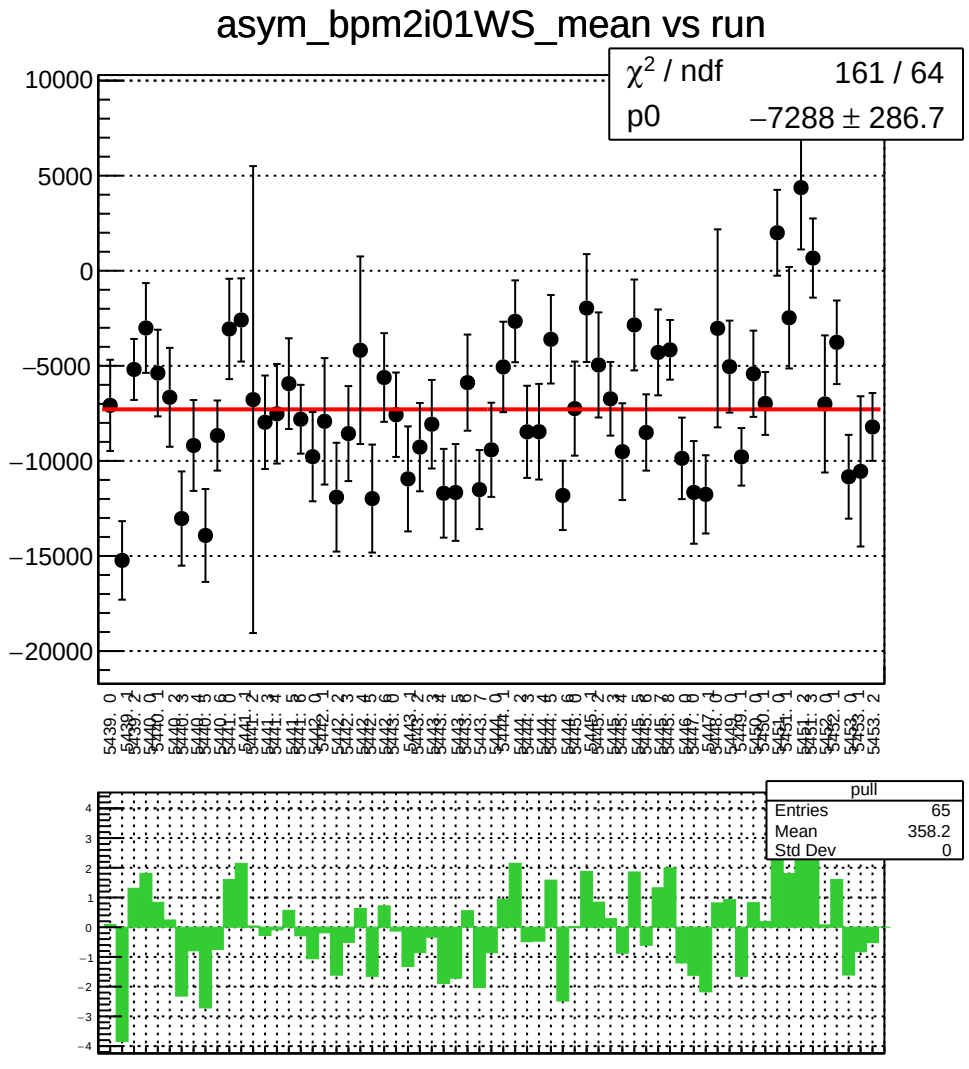

pull1D
Entries 65
Mean 0.01096
Std Dev 0.7841

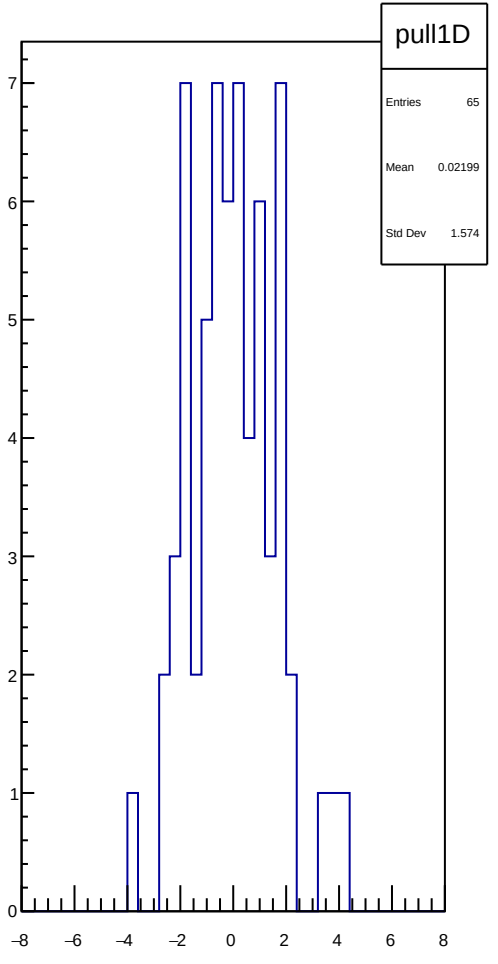

asym_bpm0i07WS_rms vs run
χ² / ndf 2.158e+04 / 64
p0 312.4 ± 0.2746
1100
1000
900
800
700
600
500
400
300
200

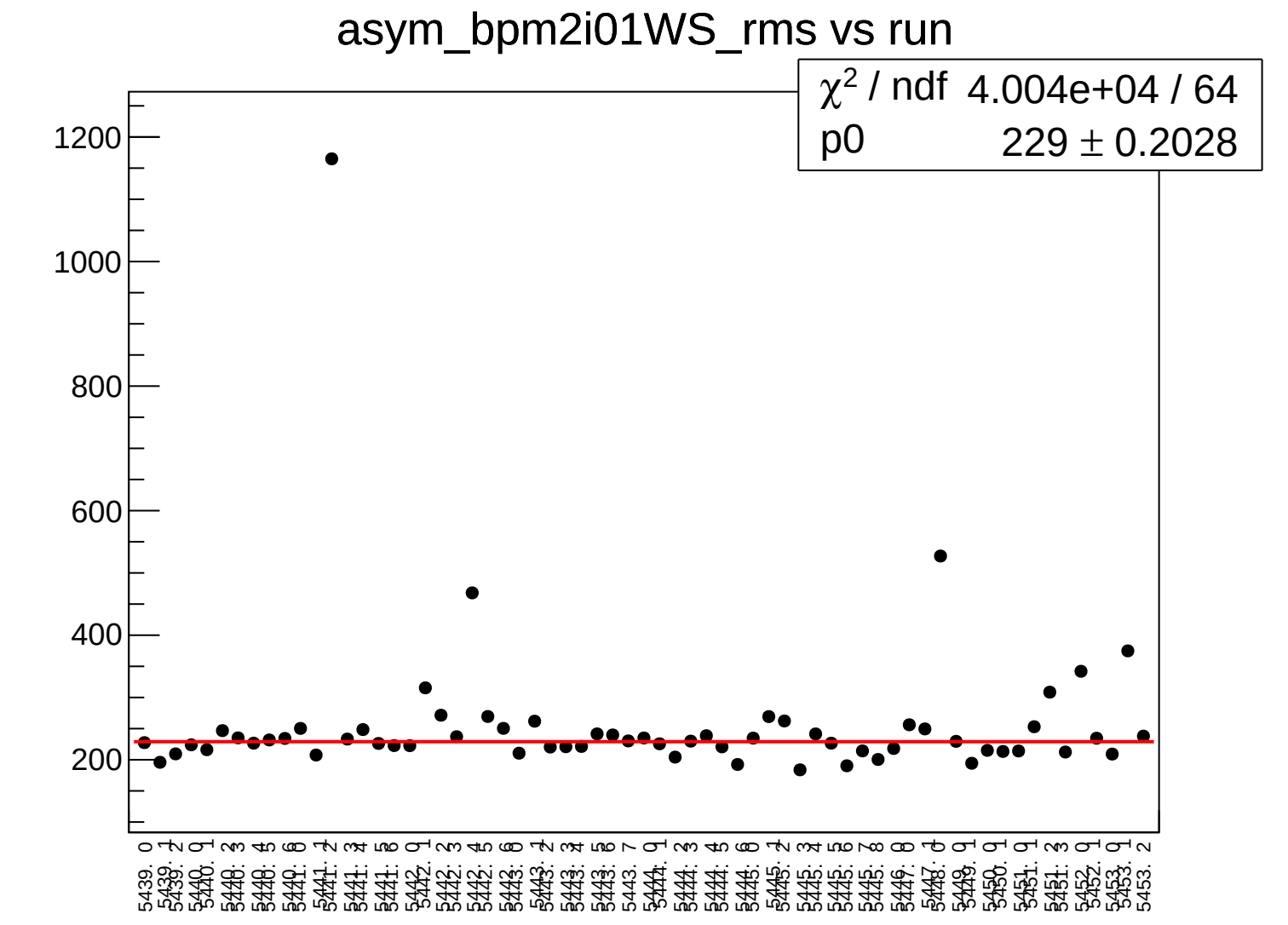

asym_bpm1i02WS_mean vs run
χ² / ndf 169.9 / 64
p0 −7713 ± 301.8
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean 115.4
Std Dev 0

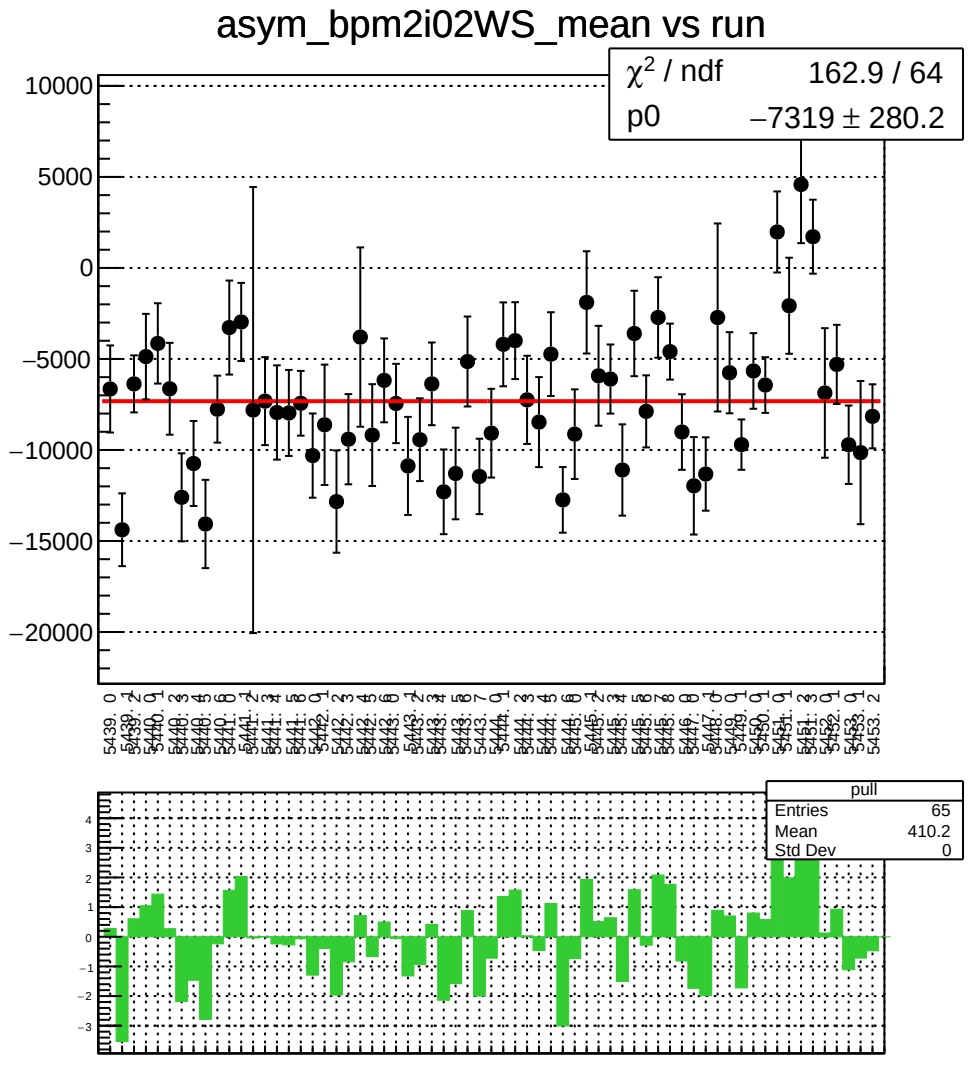

pull1D
Entries 65
Mean 0.0729
Std Dev 1.615
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

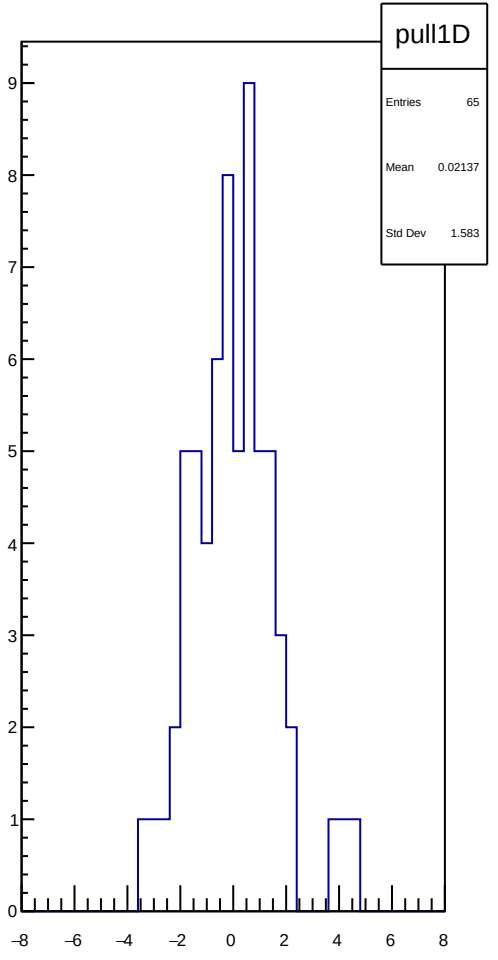

asym_bpm1i02WS_rms vs run
χ² / ndf 4.041e+04 / 64
p0 241 ± 0.2134
1200
1000
800
600
400
200

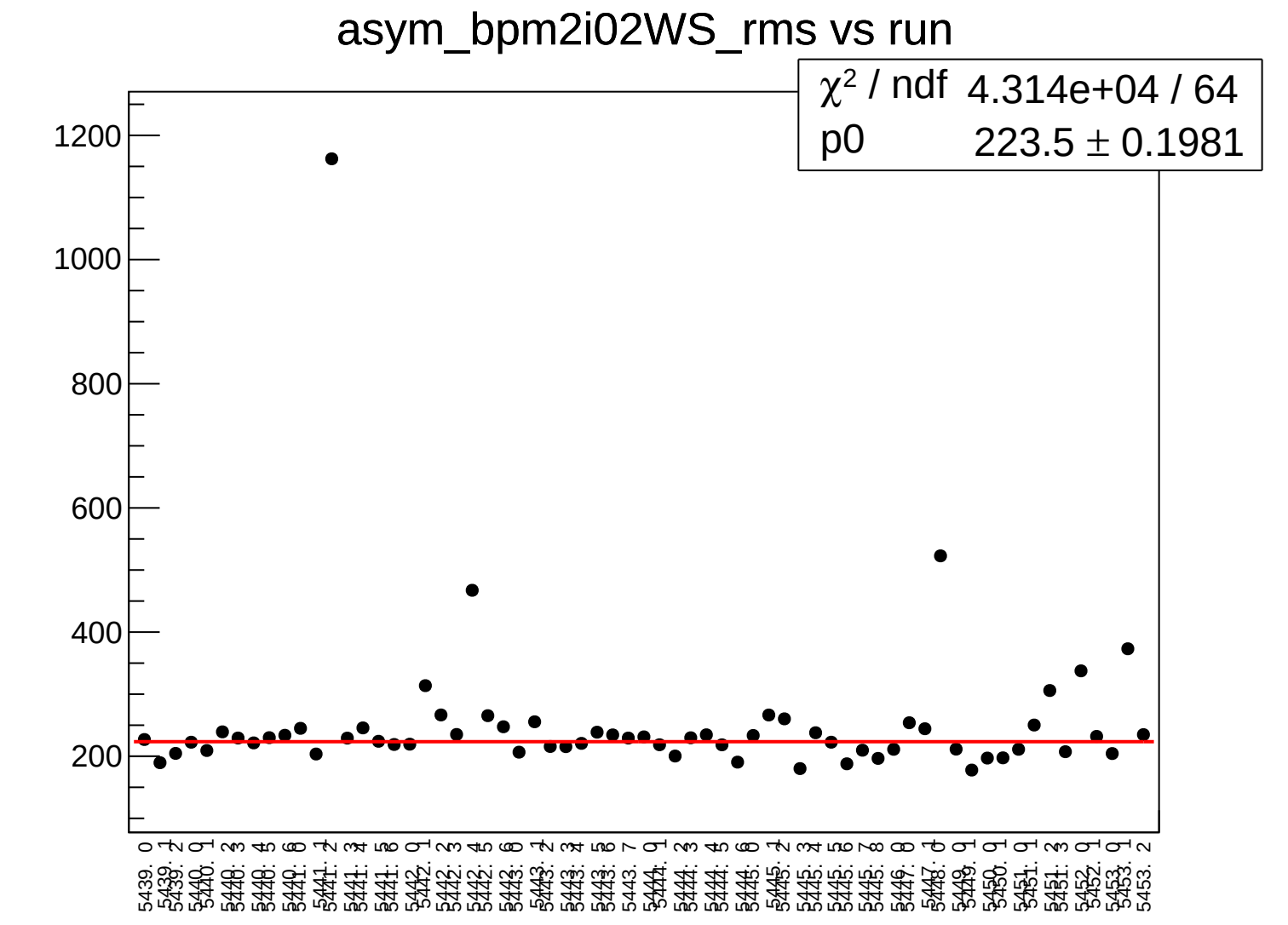

asym_bpm2i01WS_mean vs run
χ² / ndf 161 / 64
p0 −7288 ± 286.7
pull
Entries 65
Mean 358.2
Std Dev 0

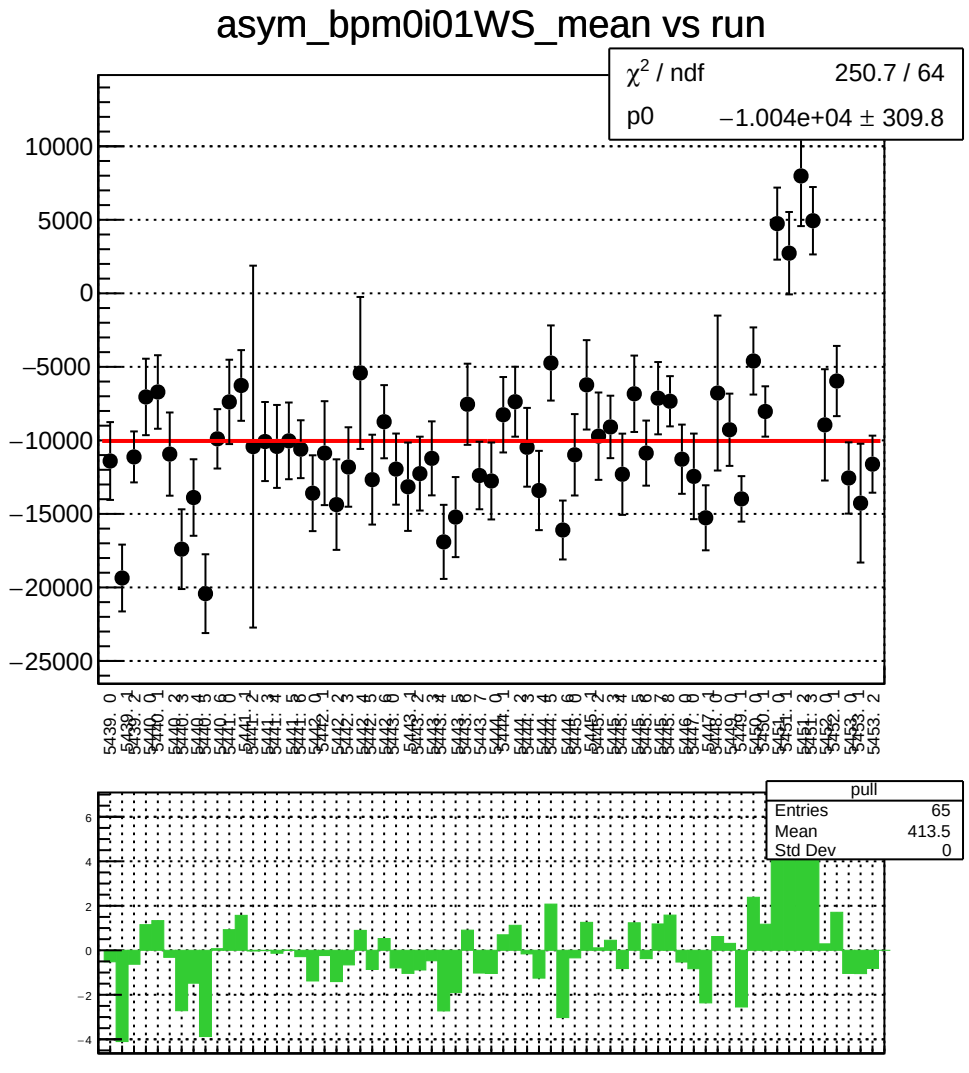

pull1D
Entries 65
Mean 0.02199
Std Dev 1.574

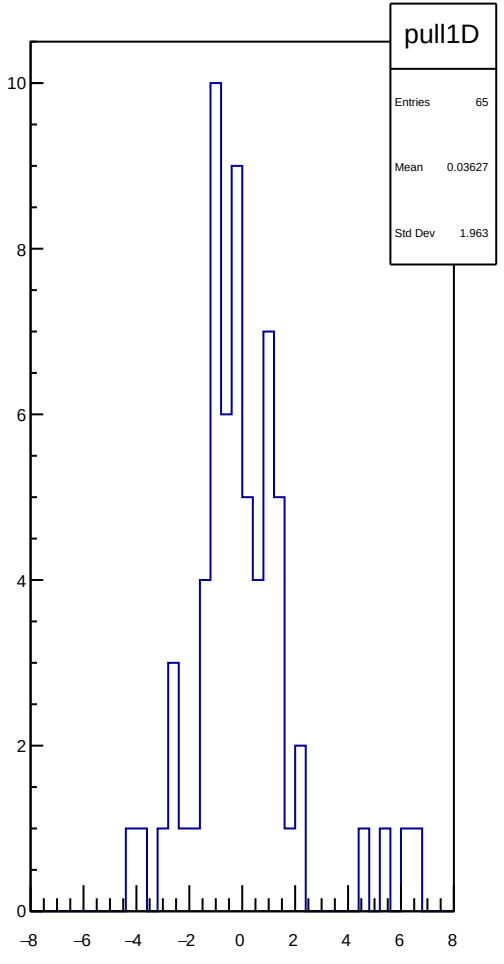

asym_bpm2i01WS_rms vs run
χ² / ndf 4.004e+04 / 64
p0 229 ± 0.2028
1200
1000
800
600
400
200

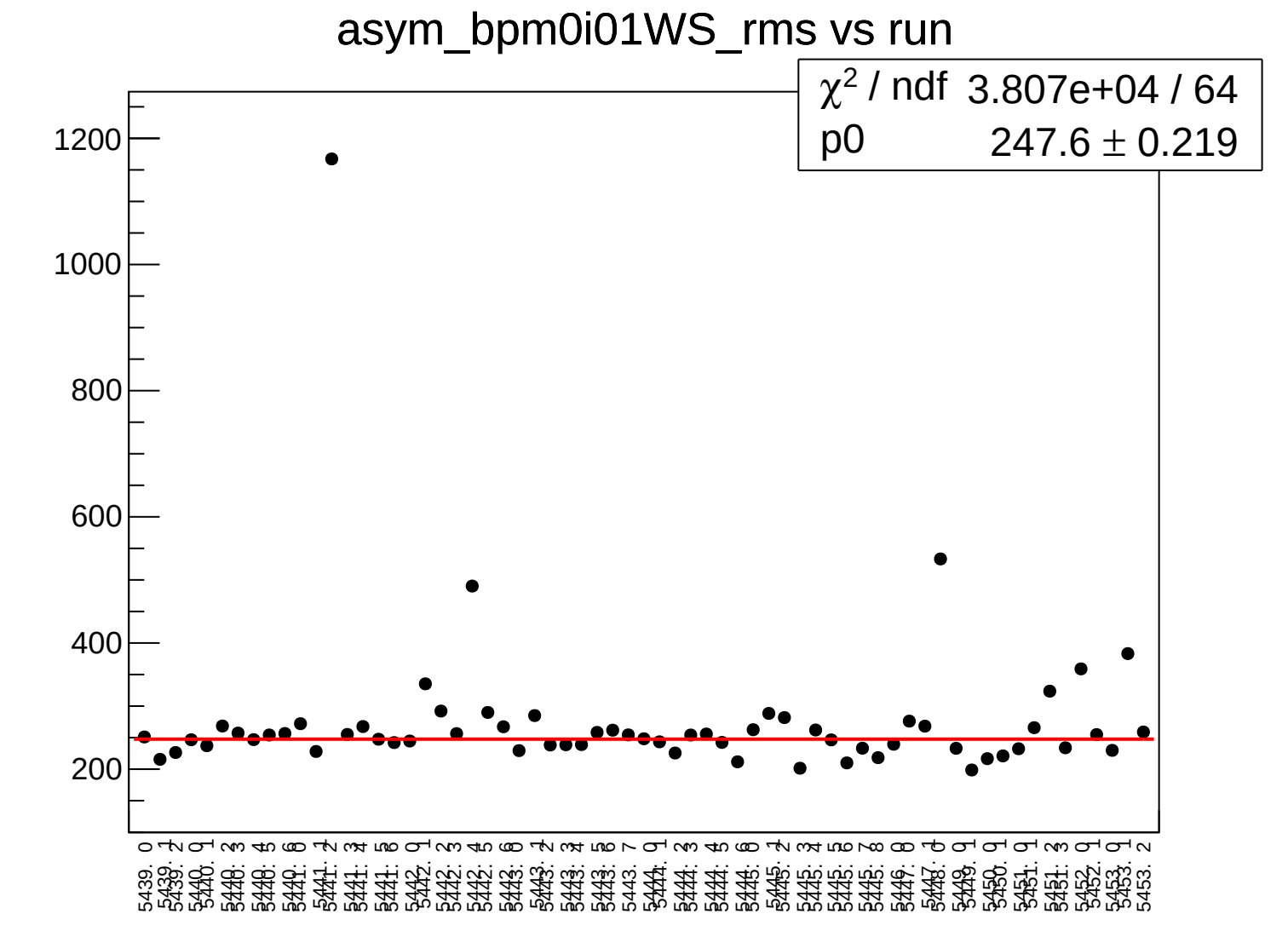

asym_bpm2i02WS_mean vs run
χ² / ndf 162.9 / 64
p0 −7319 ± 280.2
pull
Entries 65
Mean 410.2
Std Dev 0

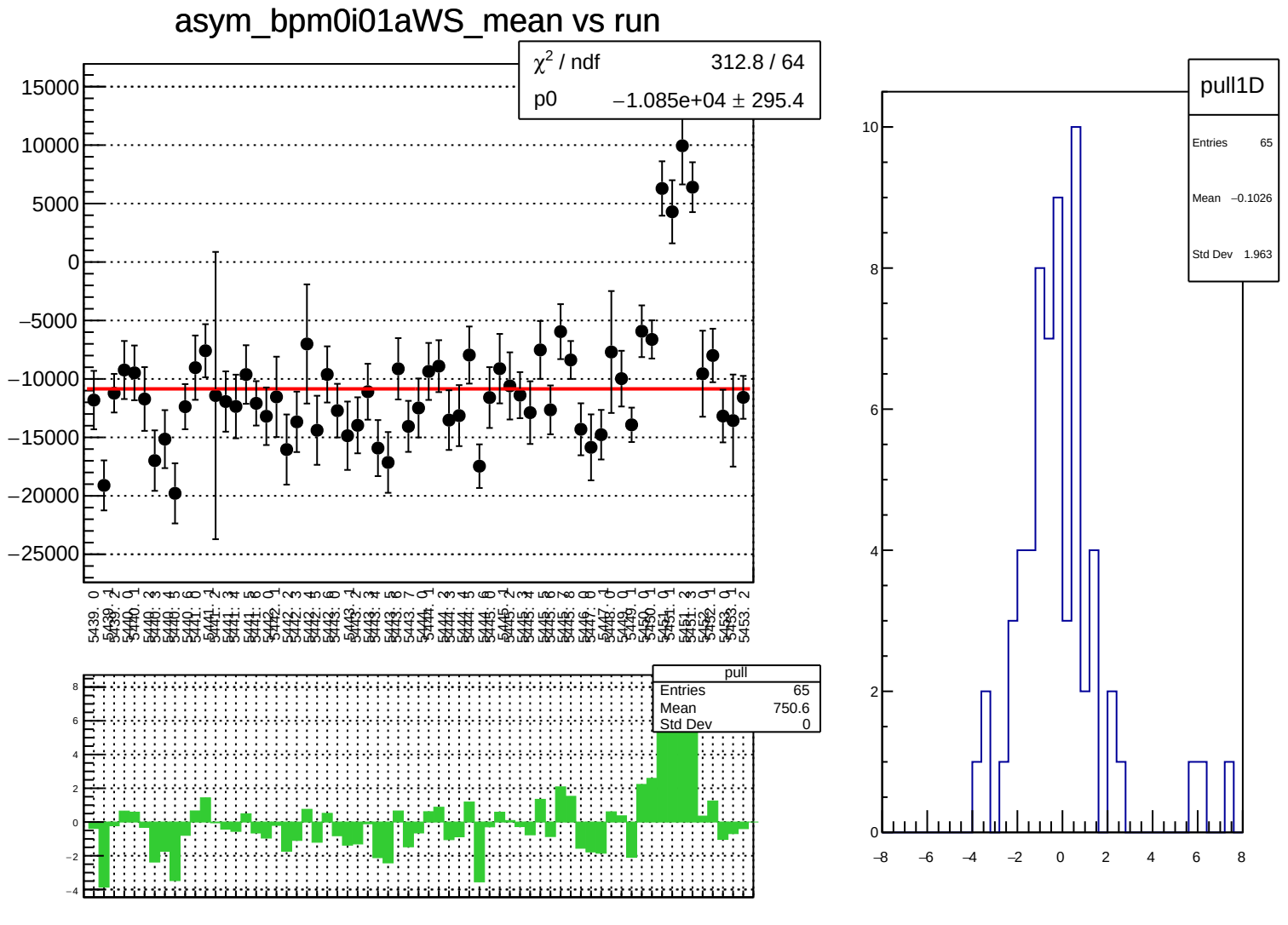

pull1D
Entries 65
Mean 0.02137
Std Dev 1.583

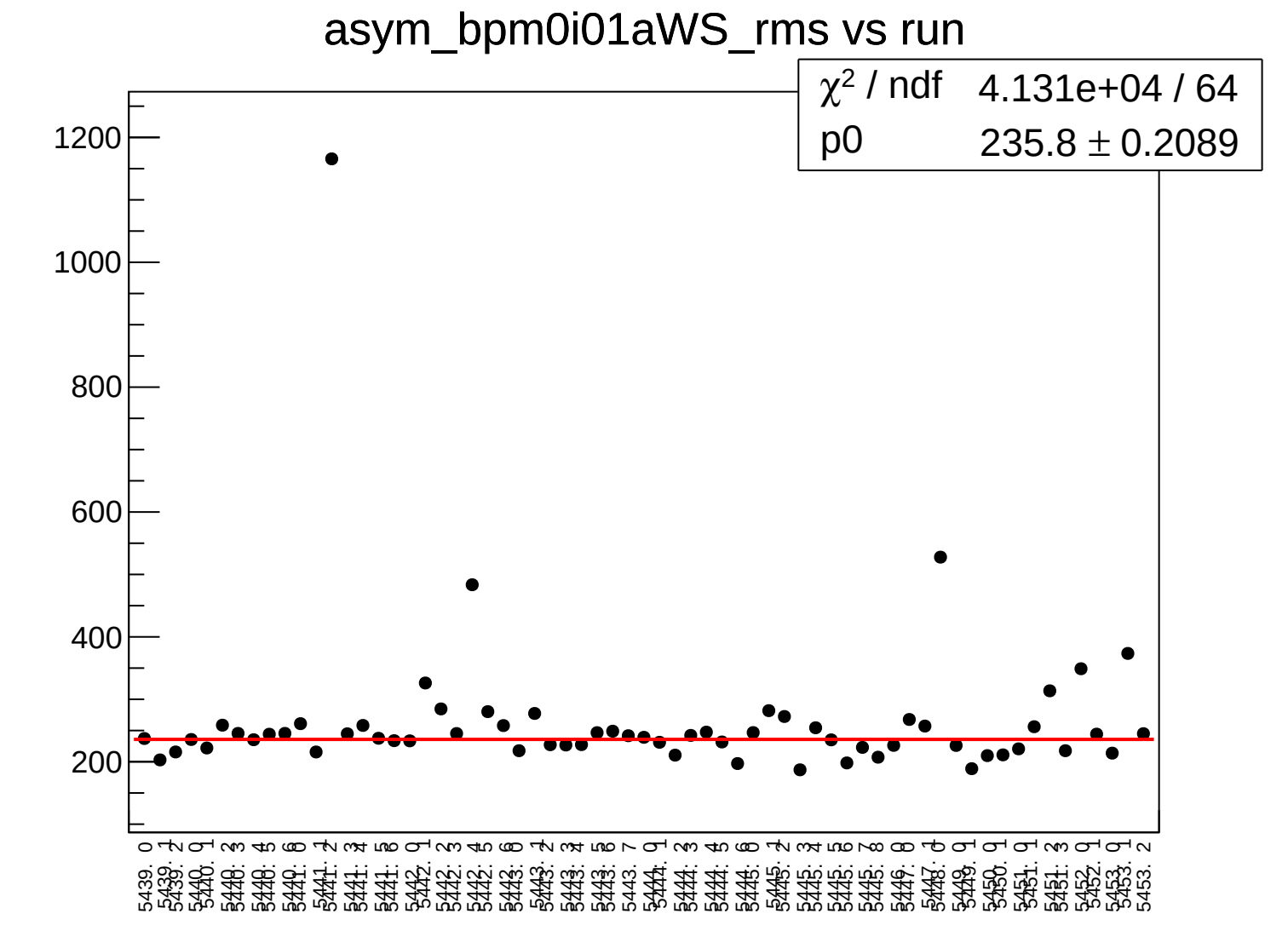

asym_bpm2i02WS_rms vs run
χ² / ndf 4.314e+04 / 64
p0 223.5 ± 0.1981
1200
1000
800
600
400
200

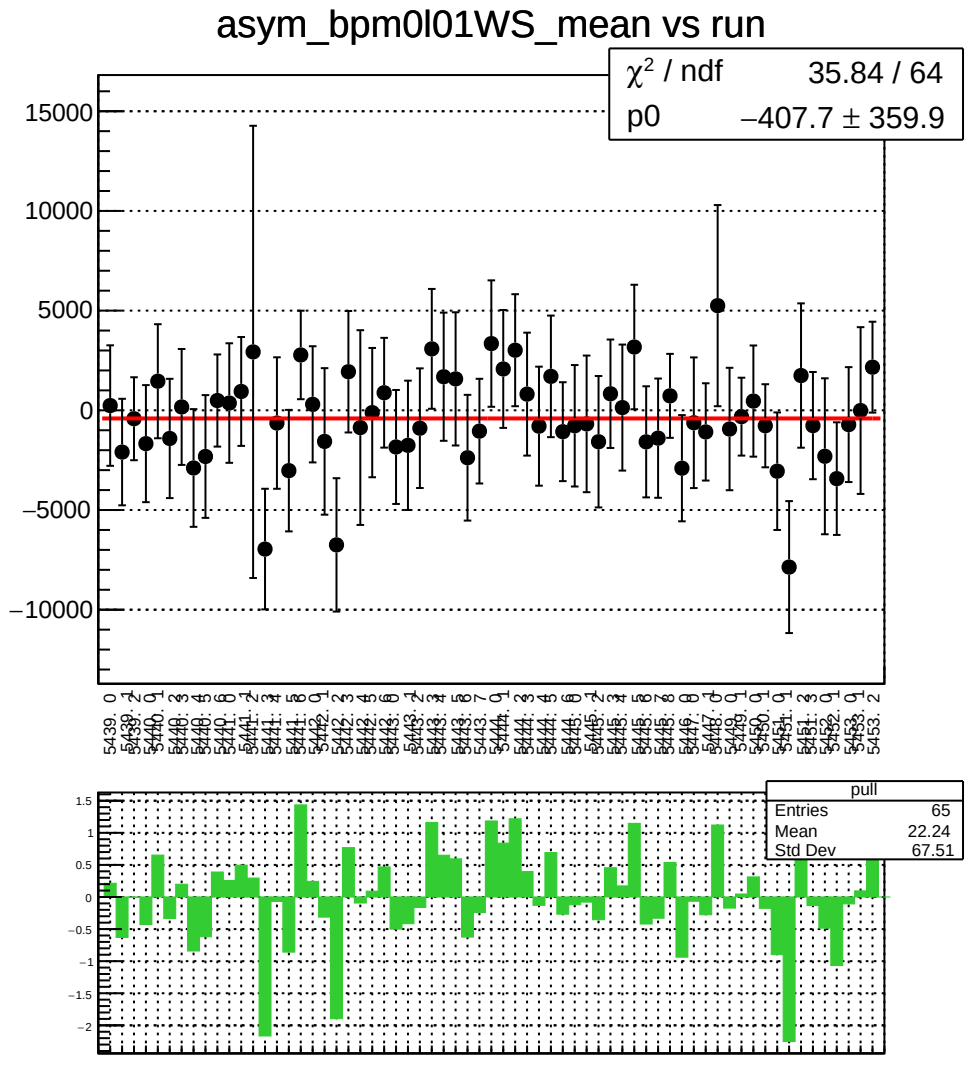

asym_bpm0i01WS_mean vs run
χ² / ndf 250.7 / 64
p0 −1.004e+04 ± 309.8
pull
Entries 65
Mean 413.5
Std Dev 0

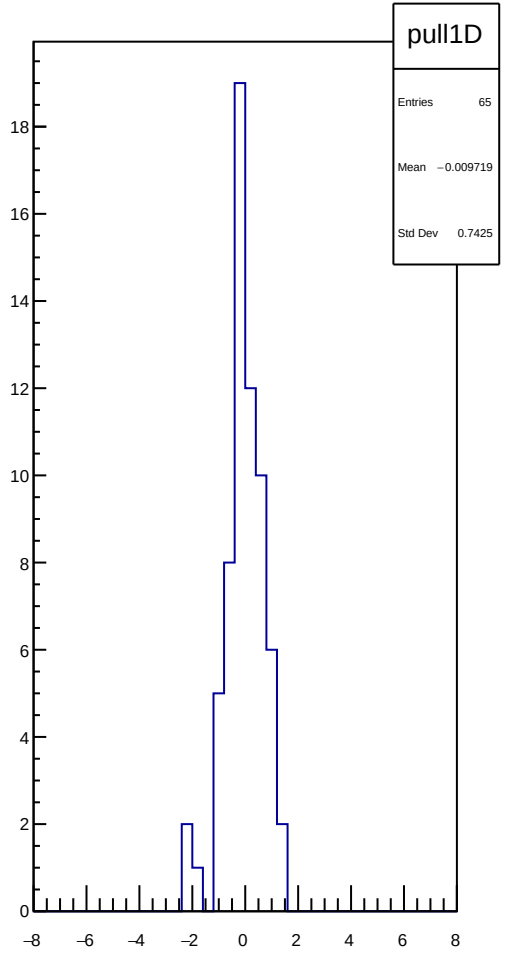

pull1D
Entries 65
Mean 0.03627
Std Dev 1.963

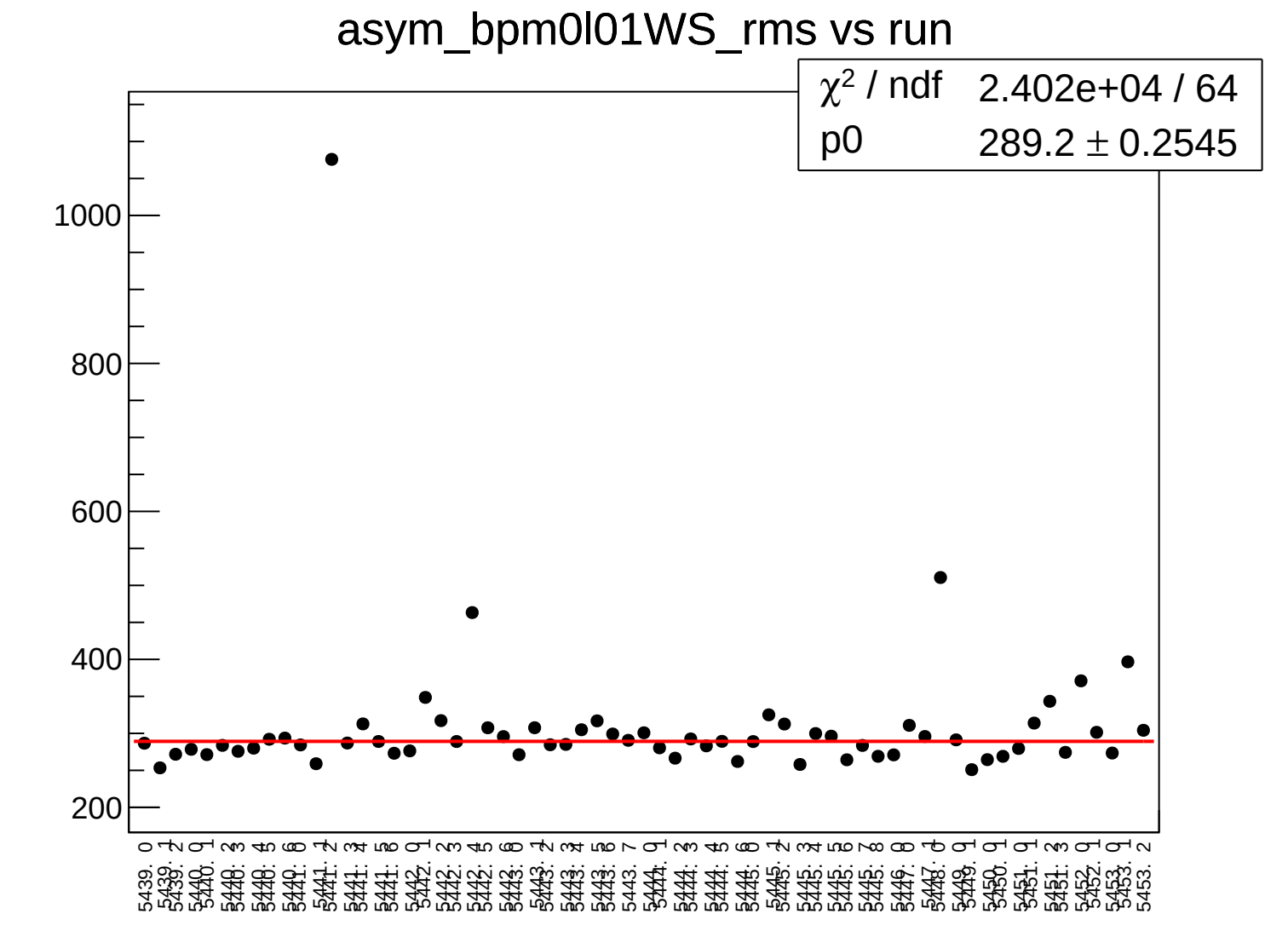

asym_bpm0i01WS_rms vs run
χ² / ndf 3.807e+04 / 64
p0 247.6 ± 0.219
1200
1000
800
600
400
200

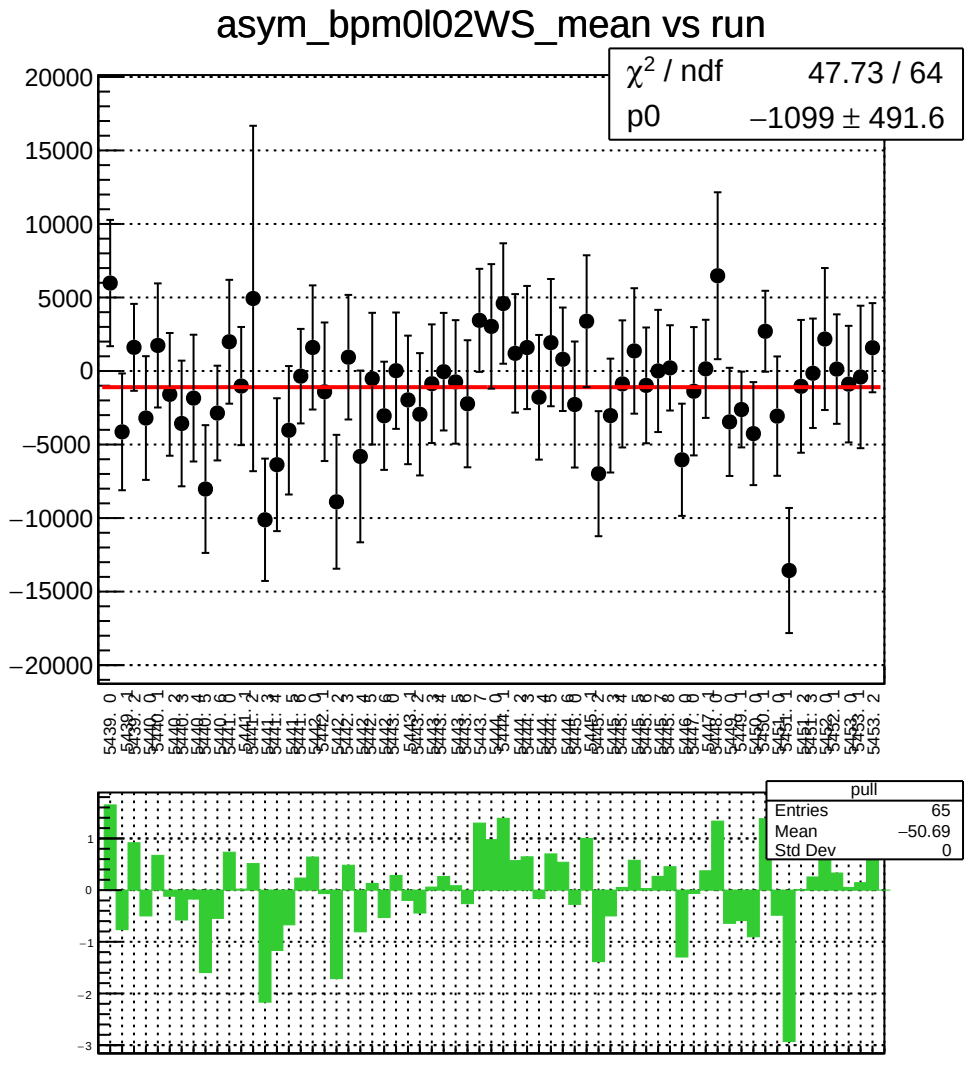

asym_bpm0i01aWS_mean vs run
χ² / ndf 312.8 / 64
p0 −1.085e+04 ± 295.4
pull
Entries 65
Mean 750.6
Std Dev 0
pull1D
Entries 65
Mean −0.1026
Std Dev 1.963

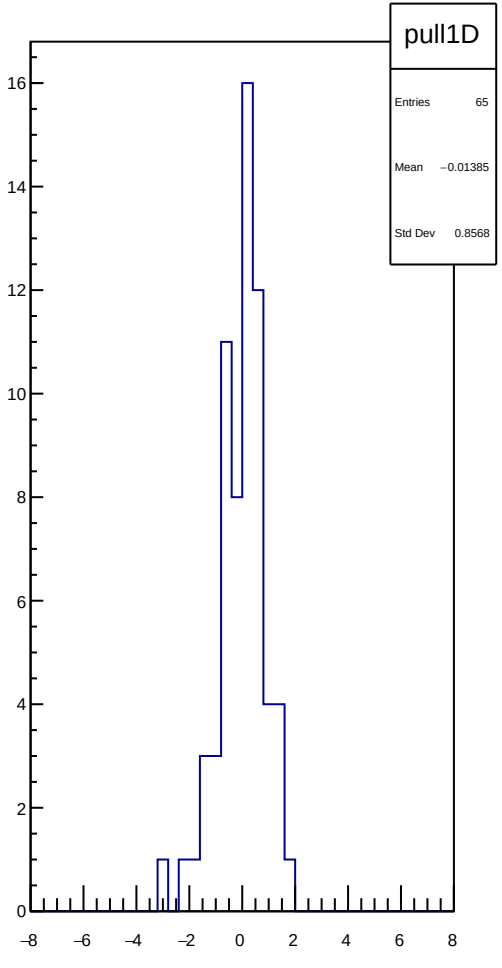

asym_bpm0i01aWS_rms vs run
χ² / ndf 4.131e+04 / 64
p0 235.8 ± 0.2089
1200
1000
800
600
400
200

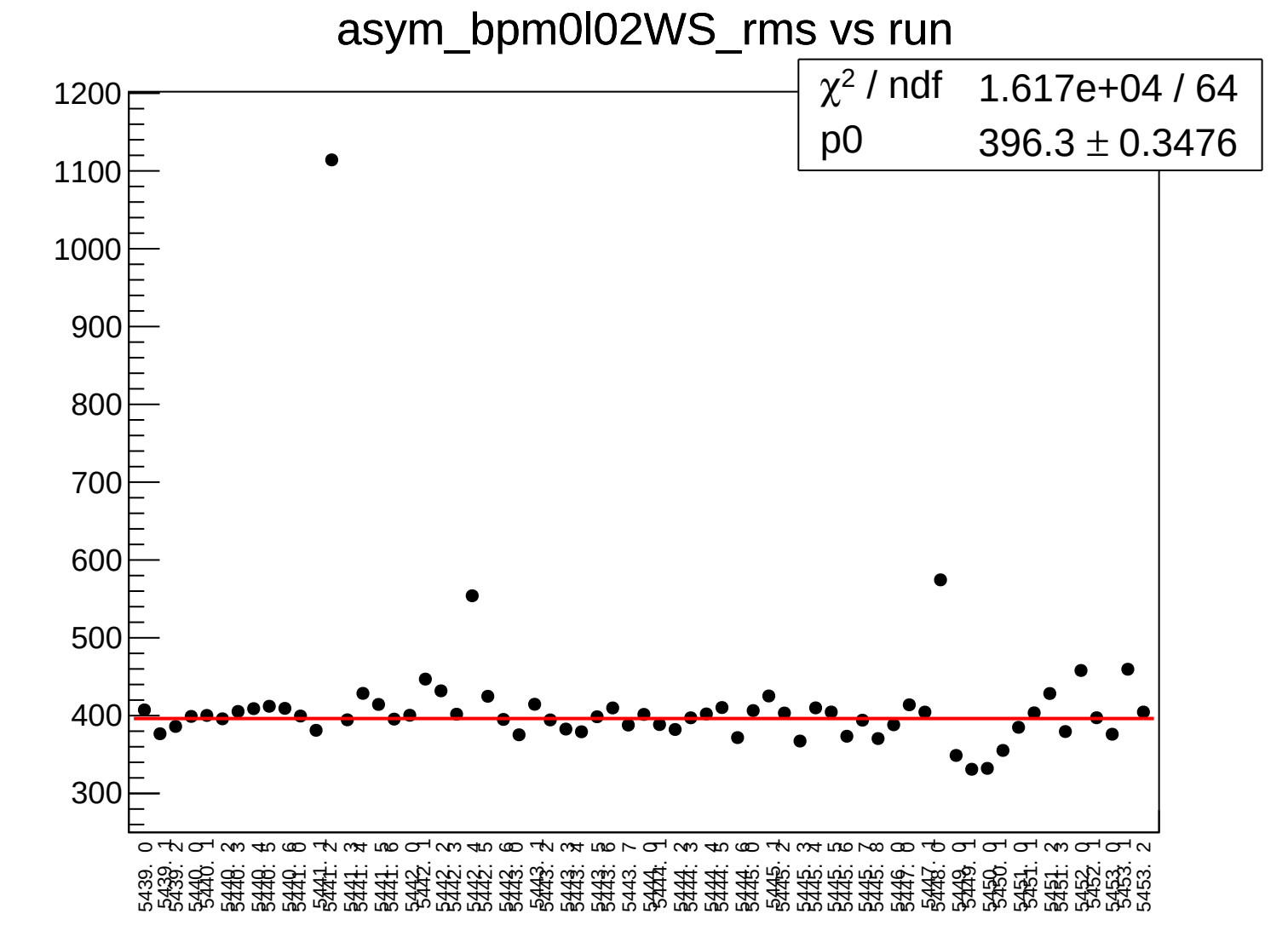

asym_bpm0l01WS_mean vs run
χ² / ndf 35.84 / 64
p0 −407.7 ± 359.9
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 22.24
Std Dev 67.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2

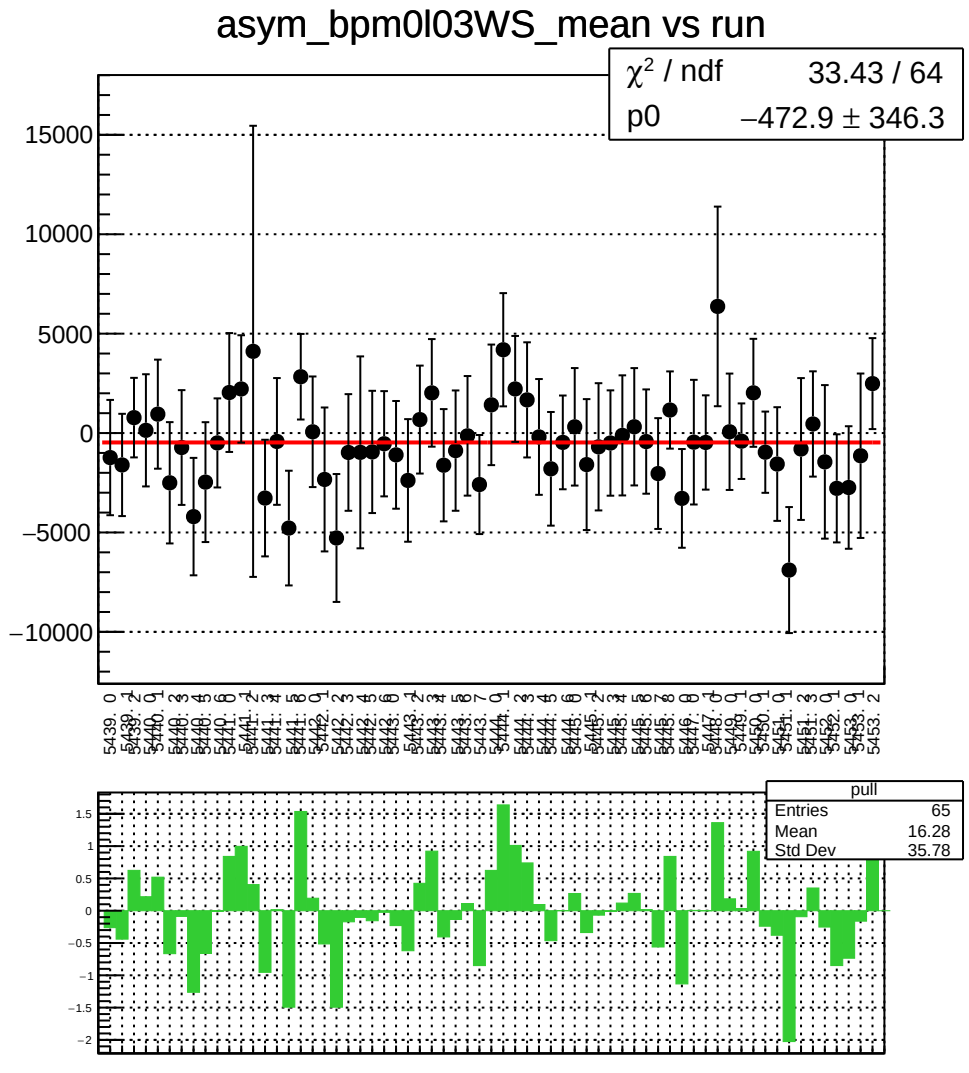

pull1D
Entries 65
Mean −0.009719
Std Dev 0.7425
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

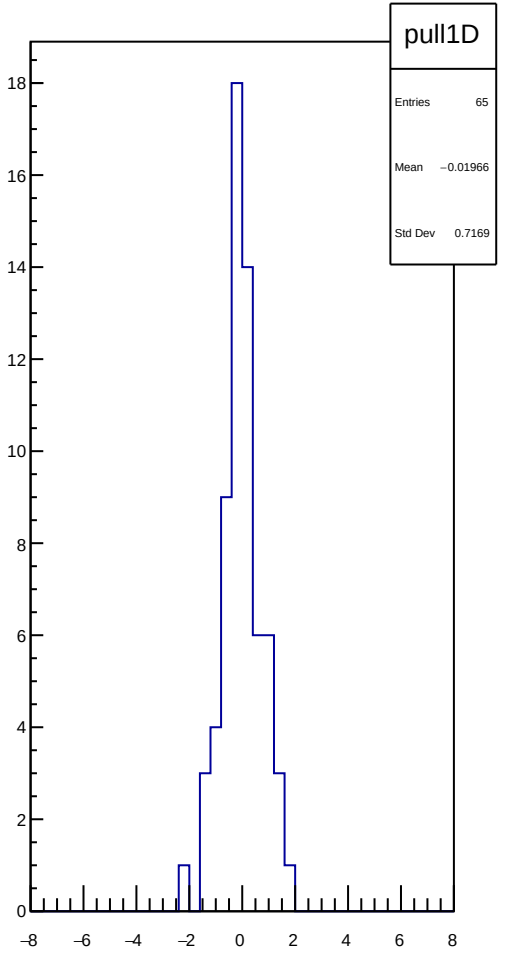

asym_bpm0l01WS_rms vs run
χ² / ndf 2.402e+04 / 64
p0 289.2 ± 0.2545
1000
800
600
400
200

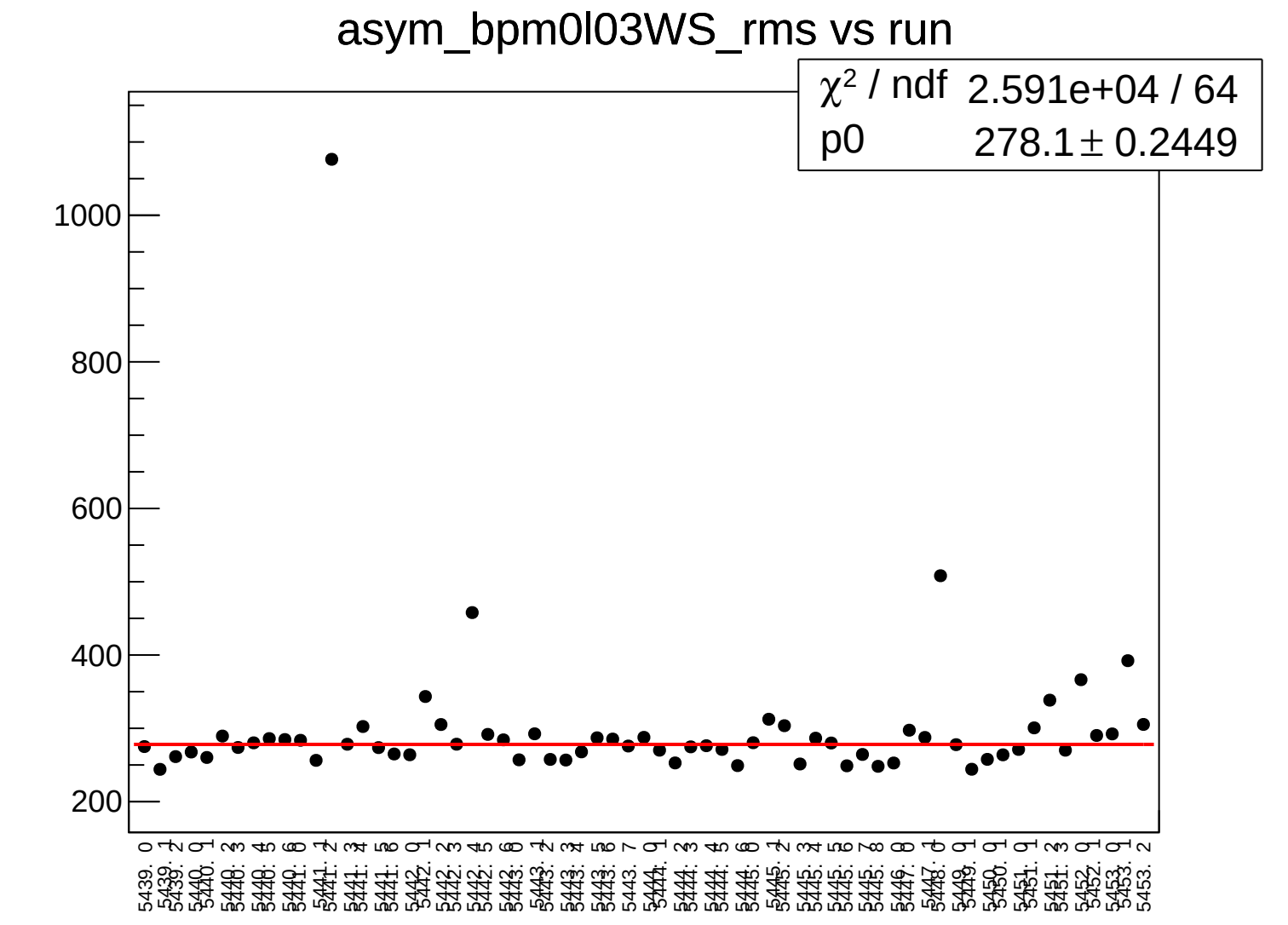

asym_bpm0l02WS_mean vs run
χ² / ndf 47.73 / 64
p0 −1099 ± 491.6
pull
Entries 65
Mean −50.69
Std Dev 0

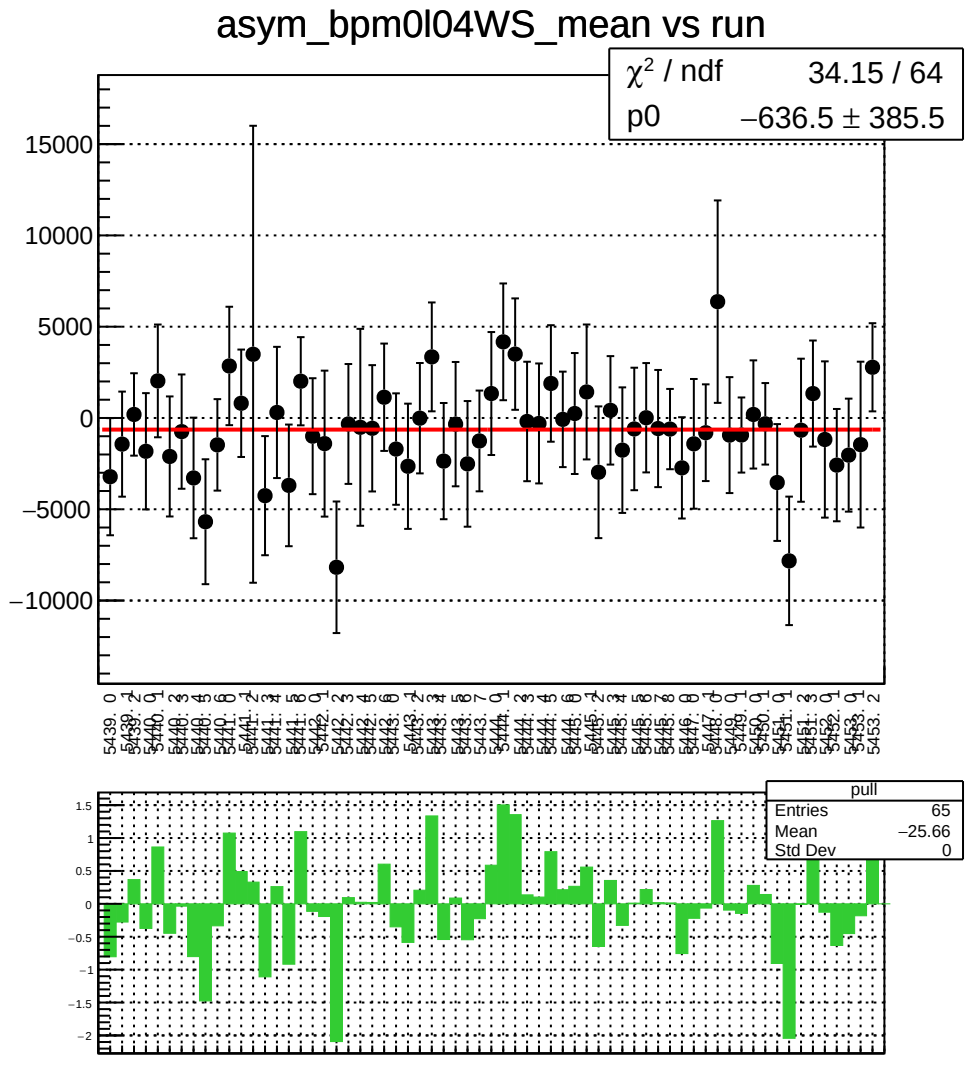

pull1D
Entries 65
Mean −0.01385
Std Dev 0.8568

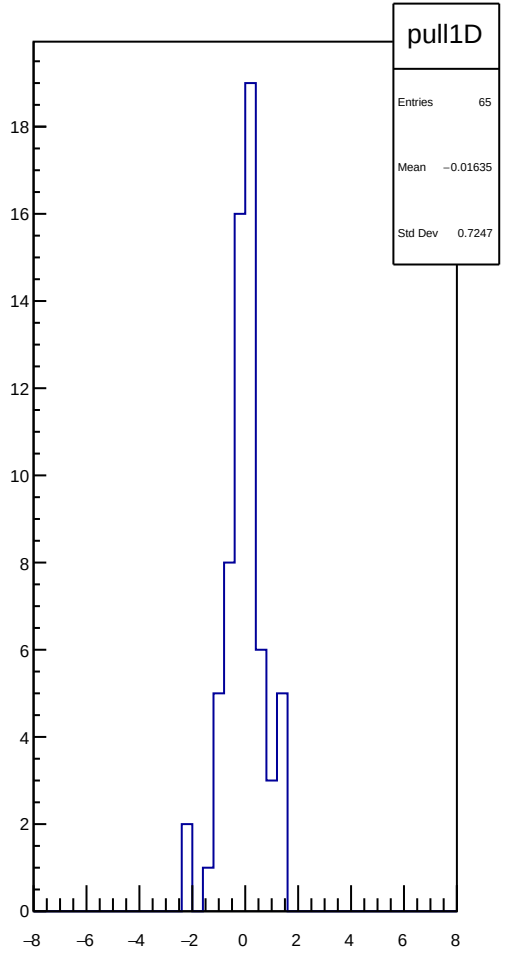

asym_bpm0l02WS_rms vs run
χ² / ndf 1.617e+04 / 64
p0 396.3 ± 0.3476
1200
1100
1000
900
800
700
600
500
400
300

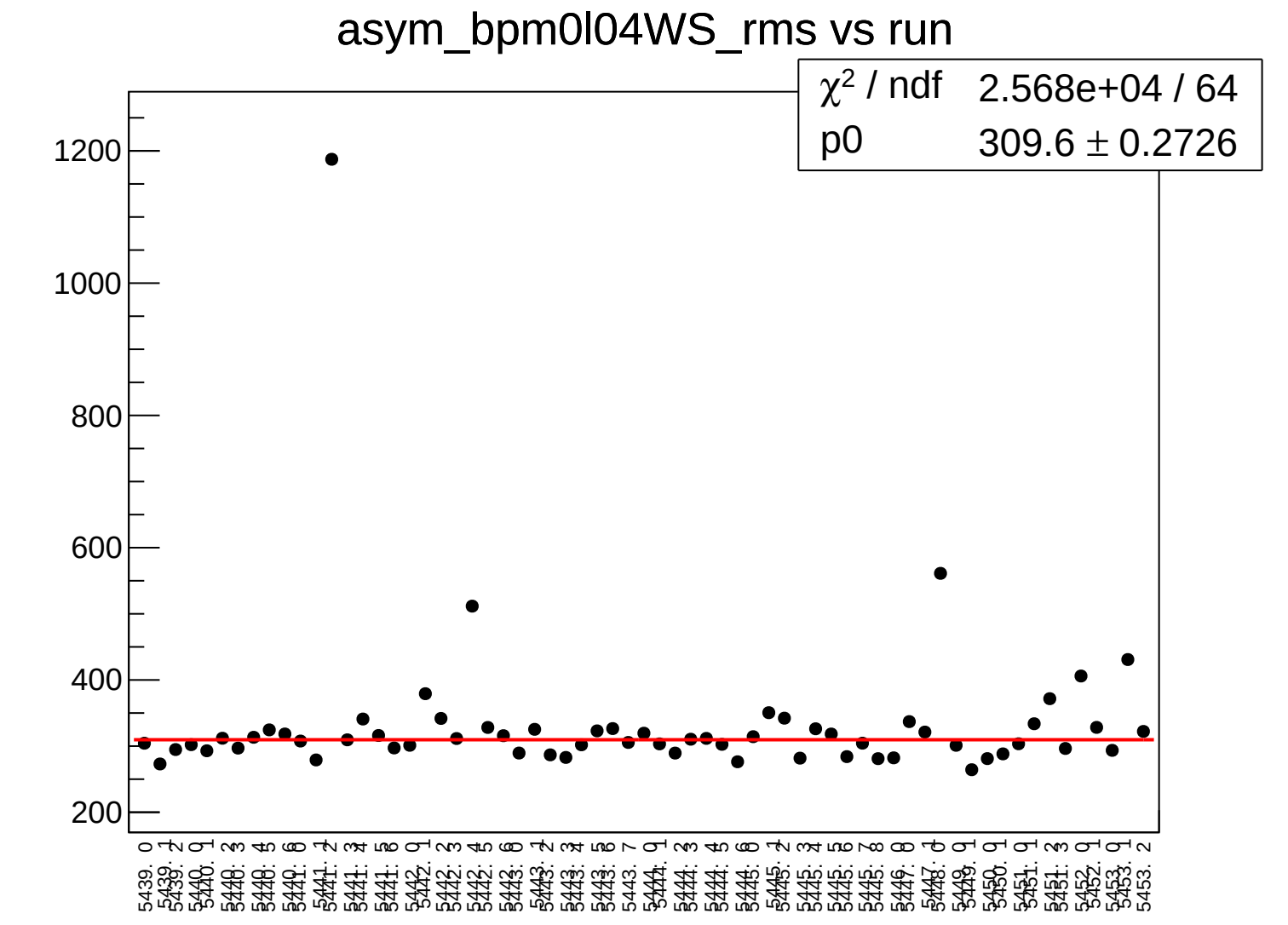

asym_bpm0l03WS_mean vs run
χ² / ndf 33.43 / 64
p0 −472.9 ± 346.3
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 16.28
Std Dev 35.78
1.5
1
0.5
0
−0.5
−1
−1.5
−2

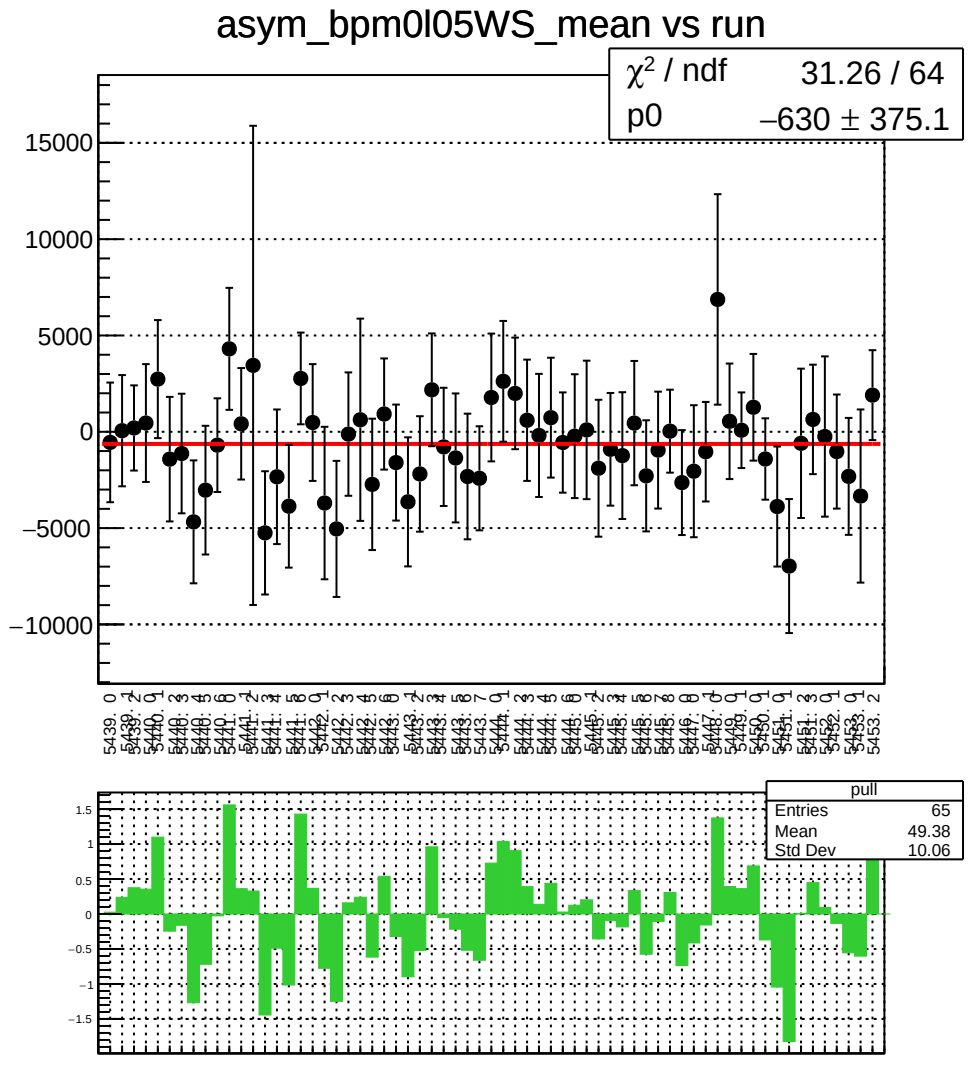

pull1D
Entries 65
Mean −0.01966
Std Dev 0.7169
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

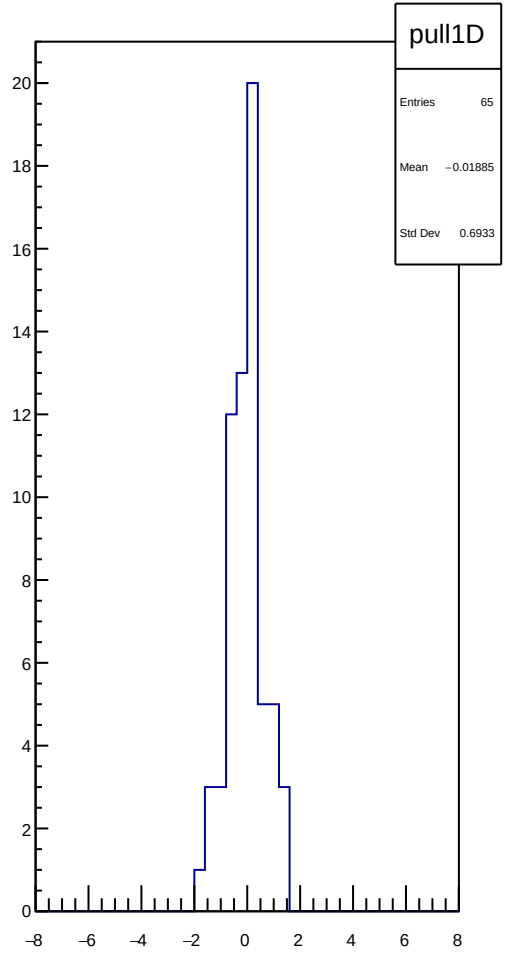

asym_bpm0l03WS_rms vs run
χ² / ndf 2.591e+04 / 64
p0 278.1 ± 0.2449
1000
800
600
400
200

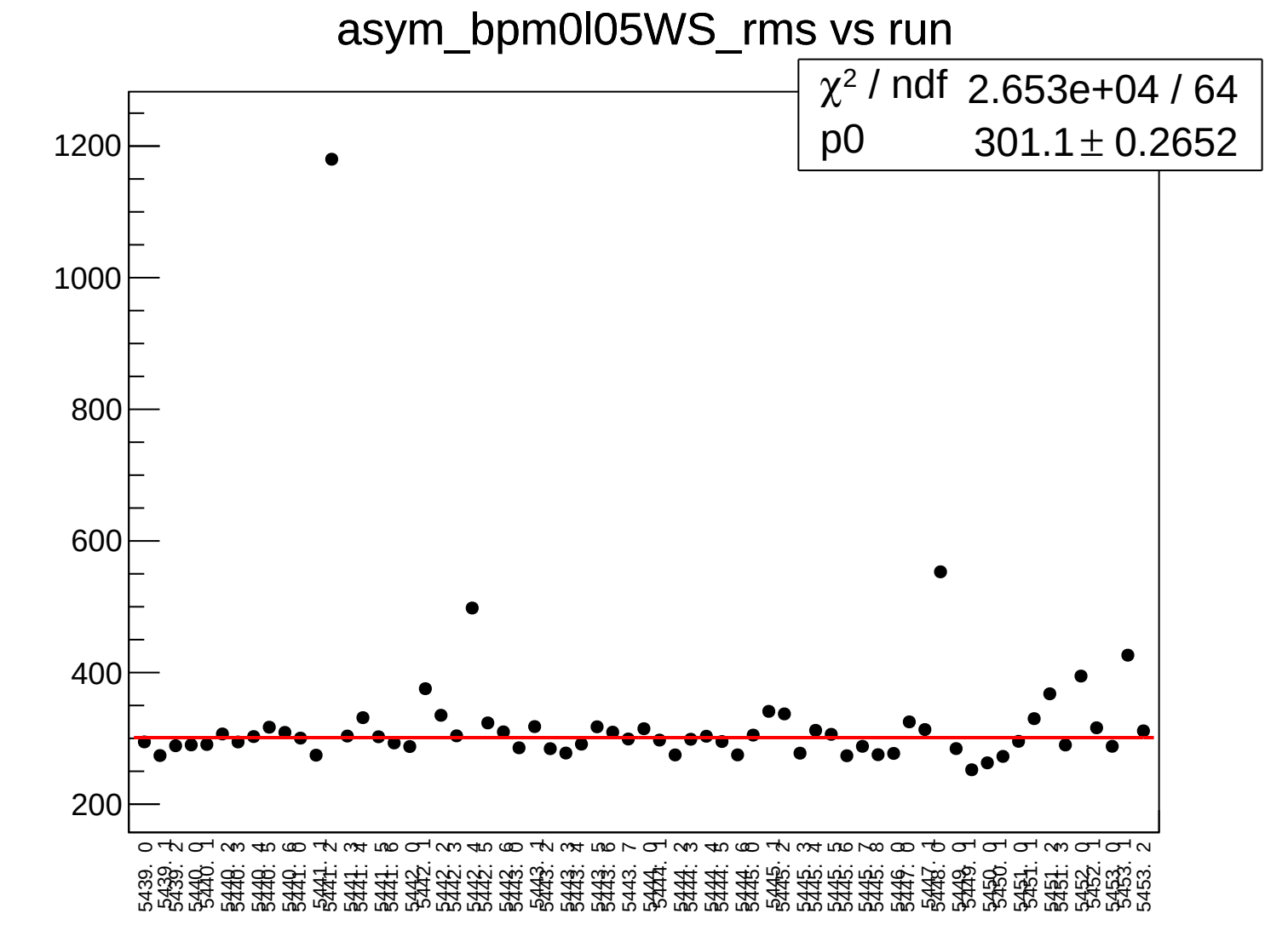

asym_bpm0l04WS_mean vs run
χ² / ndf 34.15 / 64
p0 −636.5 ± 385.5
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −25.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

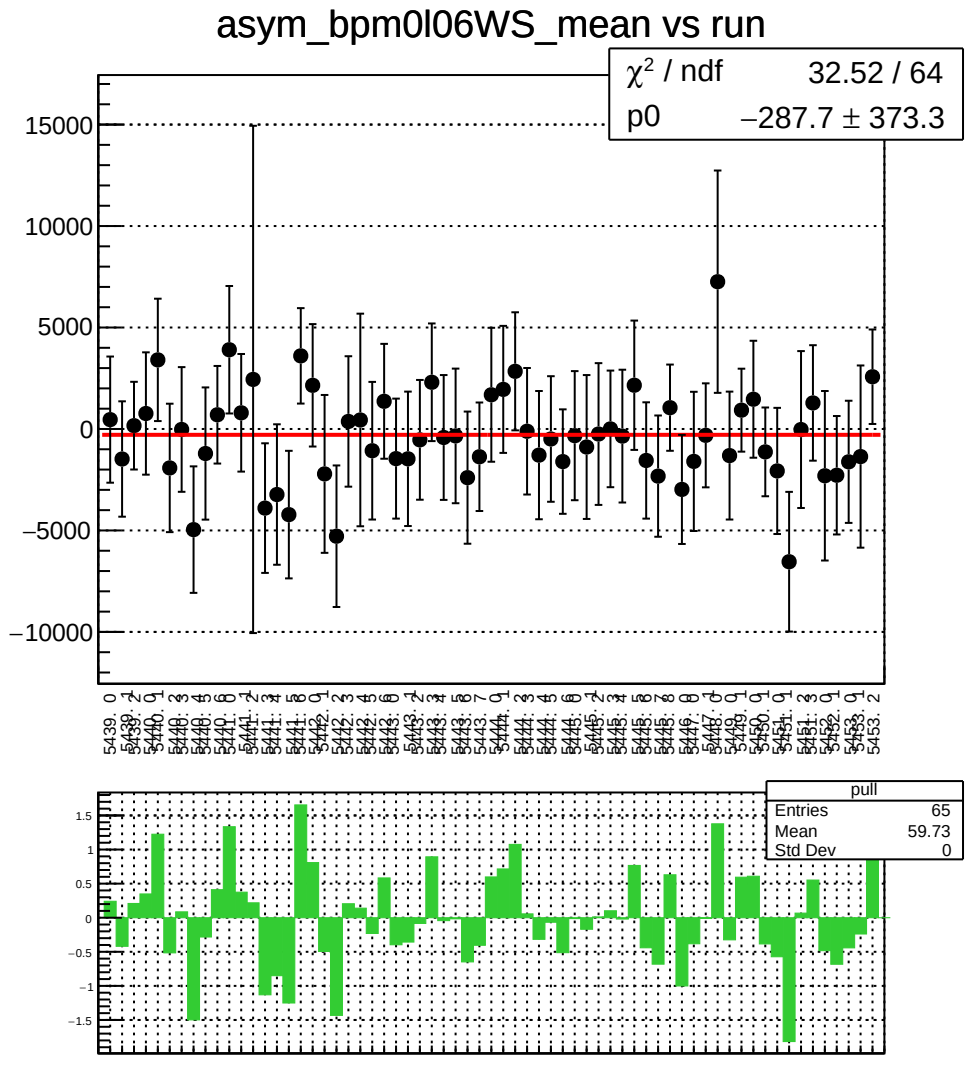

pull1D
Entries 65
Mean −0.01635
Std Dev 0.7247
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

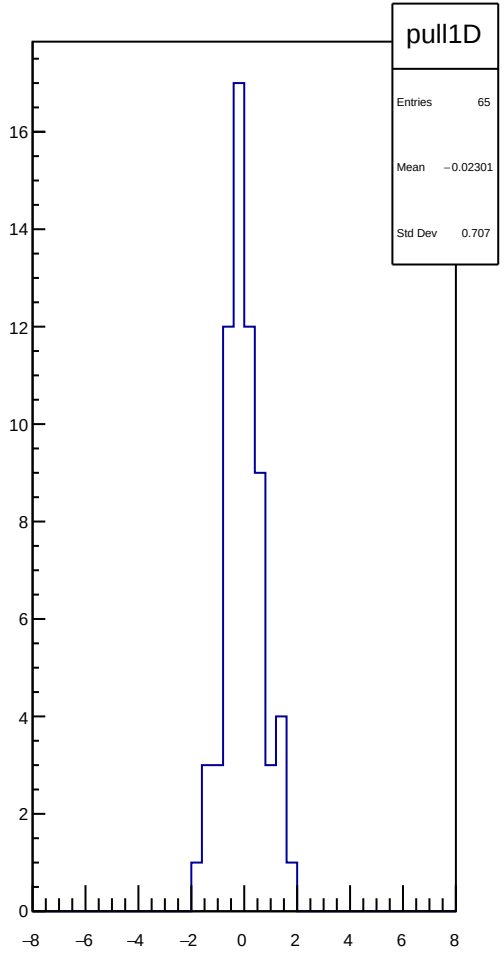

asym_bpm0l04WS_rms vs run
χ² / ndf 2.568e+04 / 64
p0 309.6 ± 0.2726
1200
1000
800
600
400
200

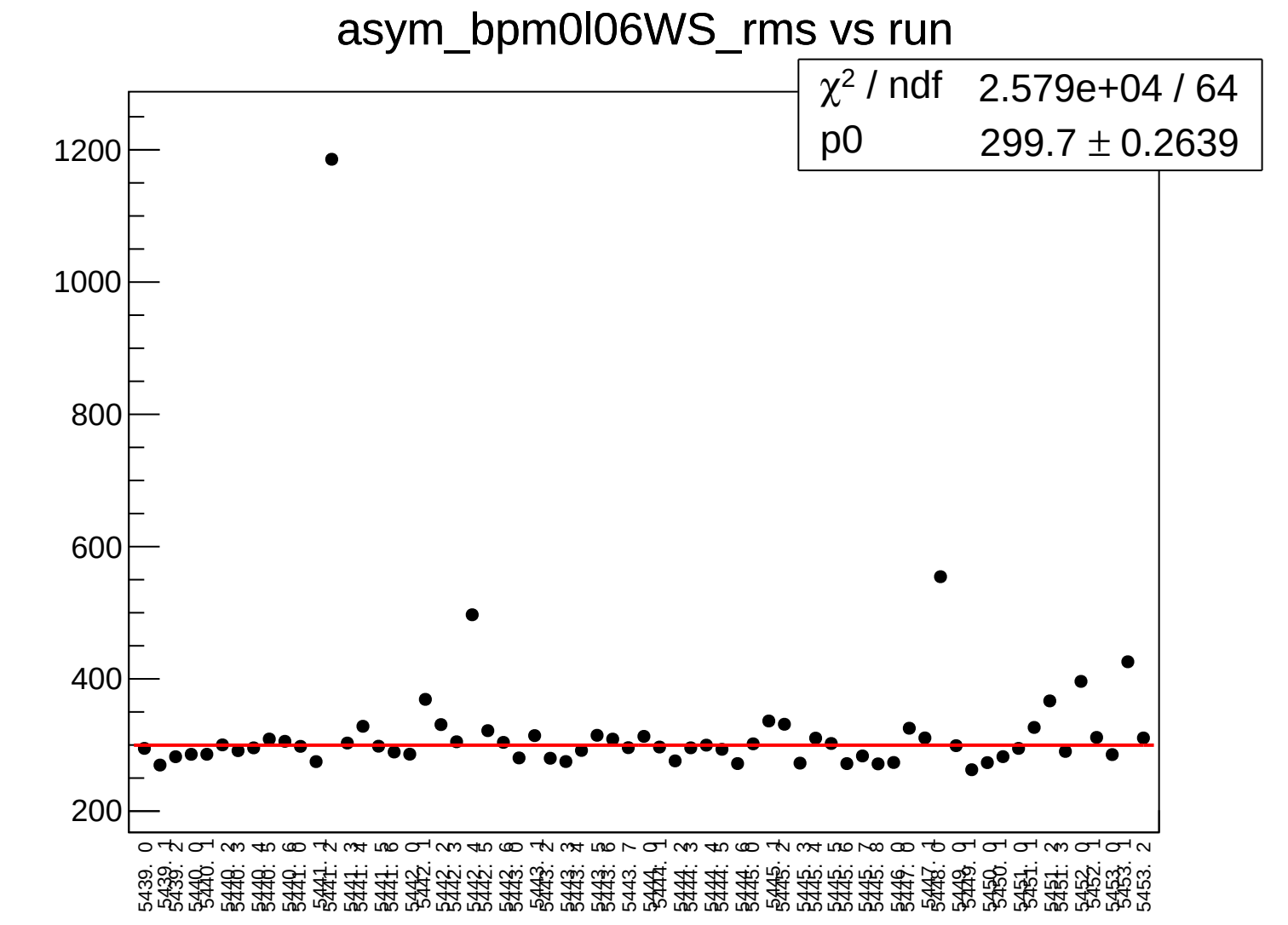

asym_bpm0l05WS_mean vs run
χ² / ndf 31.26 / 64
p0 −630 ± 375.1
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 49.38
Std Dev 10.06
1.5
1
0.5
0
−0.5
−1
−1.5

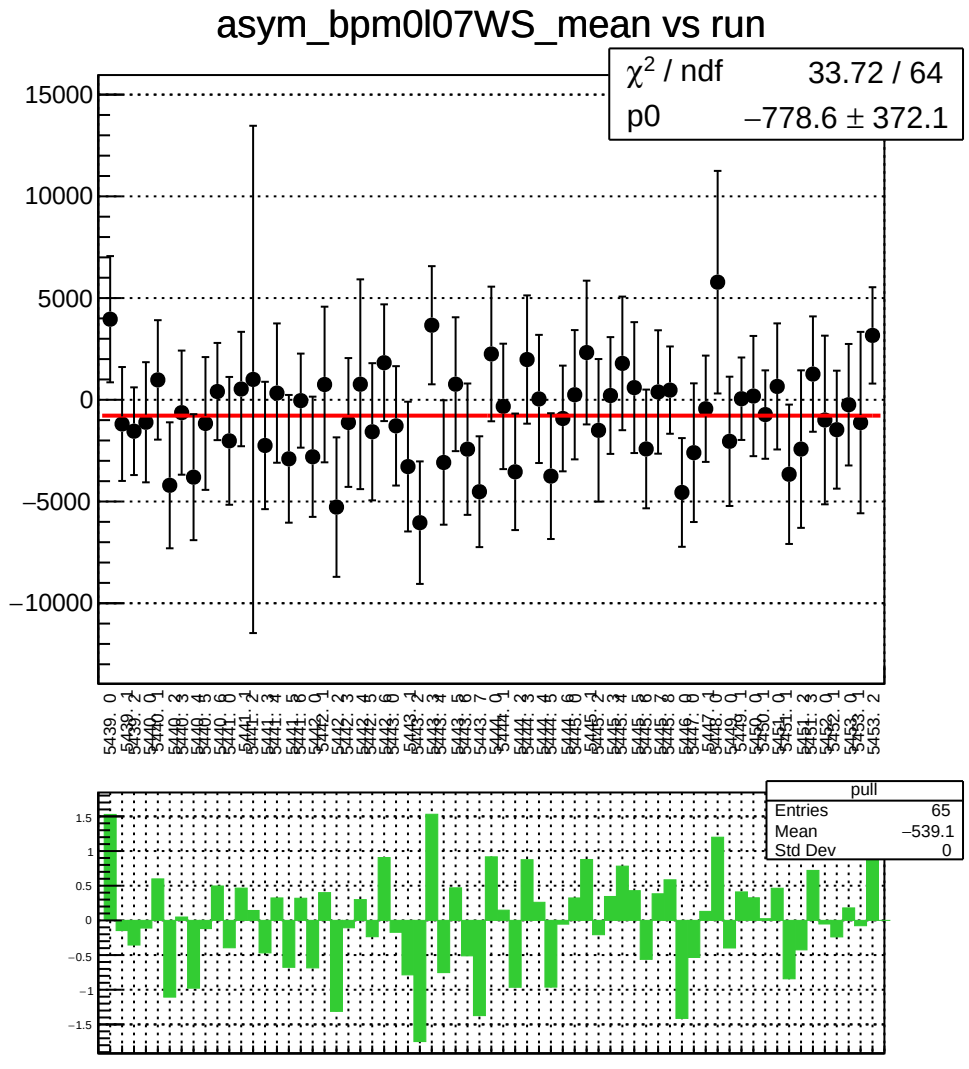

pull1D
Entries 65
Mean −0.01885
Std Dev 0.6933
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

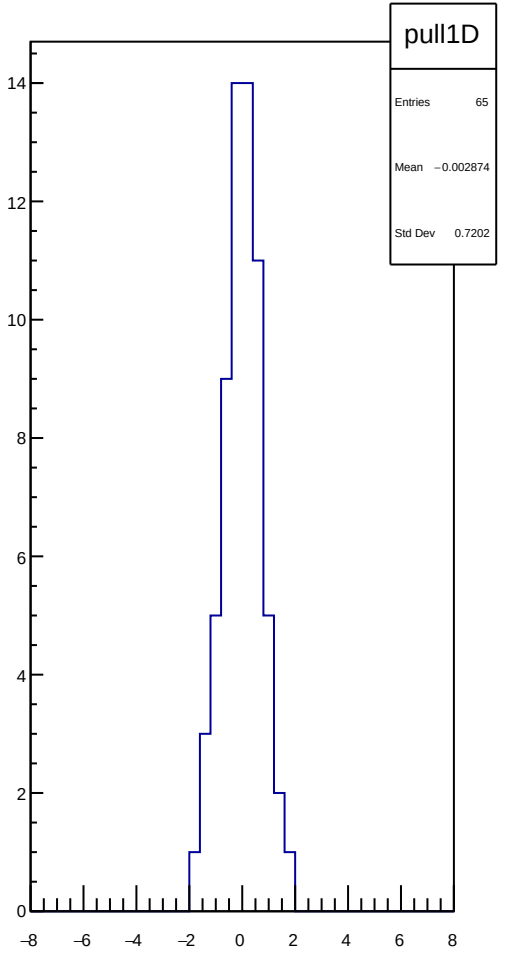

asym_bpm0l05WS_rms vs run
χ² / ndf 2.653e+04 / 64
p0 301.1 ± 0.2652
1200
1000
800
600
400
200

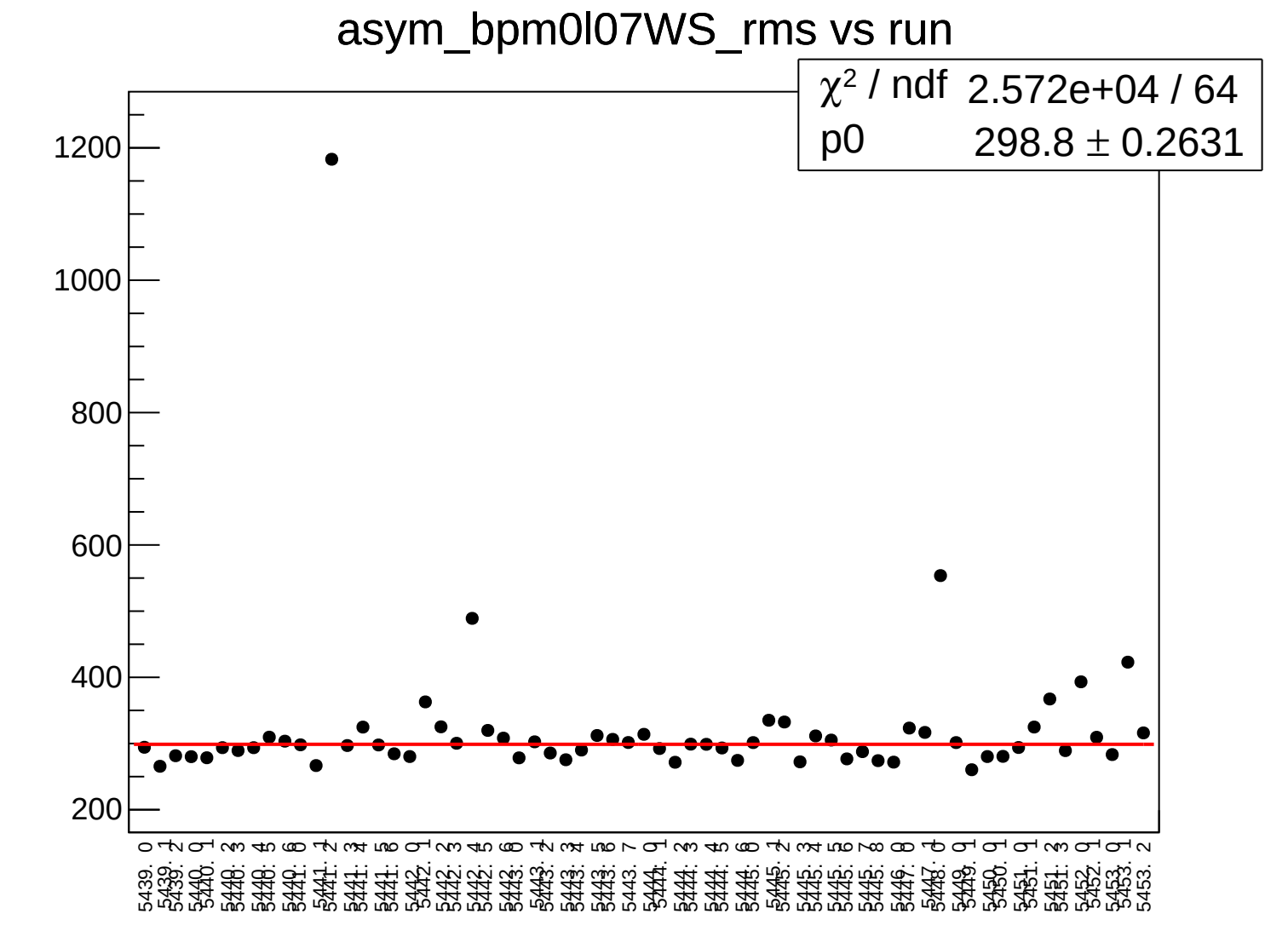

asym_bpm0l06WS_mean vs run
χ² / ndf 32.52 / 64
p0 −287.7 ± 373.3
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 59.73
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

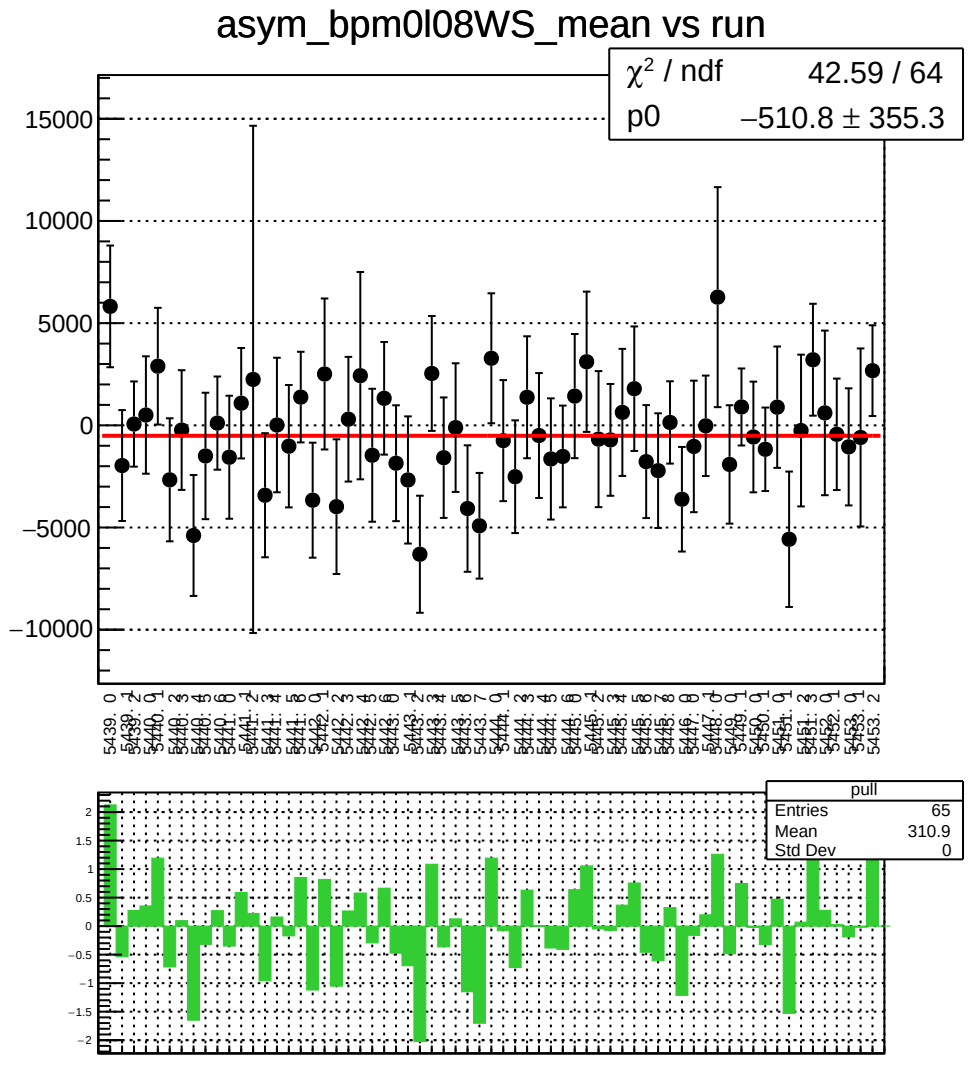

pull1D
Entries 65
Mean −0.02301
Std Dev 0.707
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

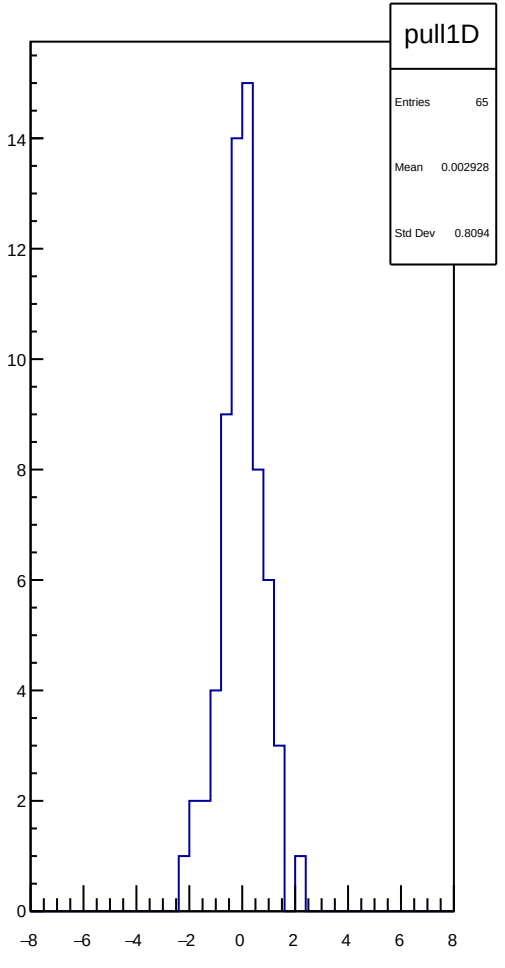

asym_bpm0l06WS_rms vs run
χ² / ndf 2.579e+04 / 64
p0 299.7 ± 0.2639
1200
1000
800
600
400
200

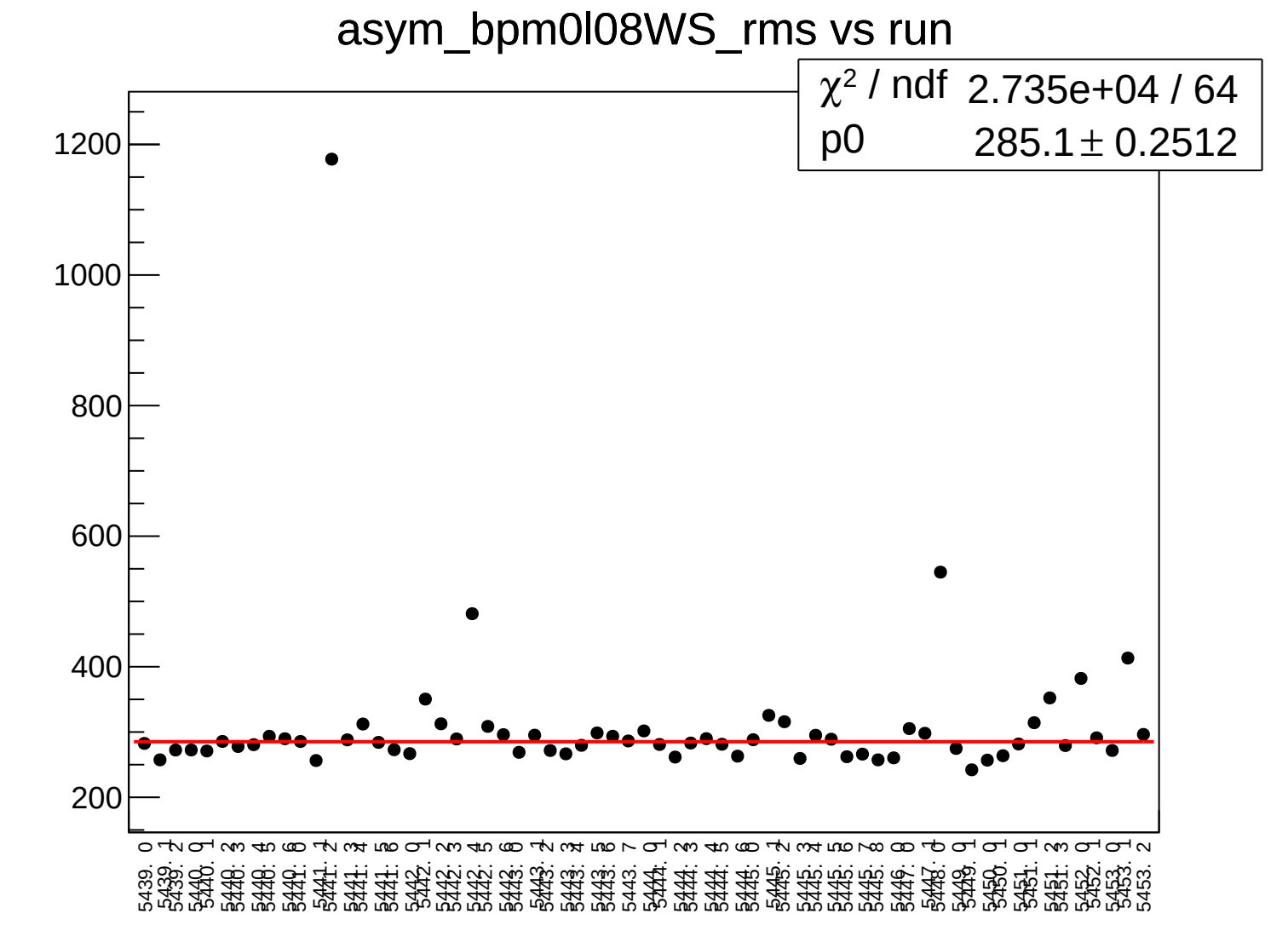

asym_bpm0l07WS_mean vs run
χ² / ndf 33.72 / 64
p0 −778.6 ± 372.1
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −539.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

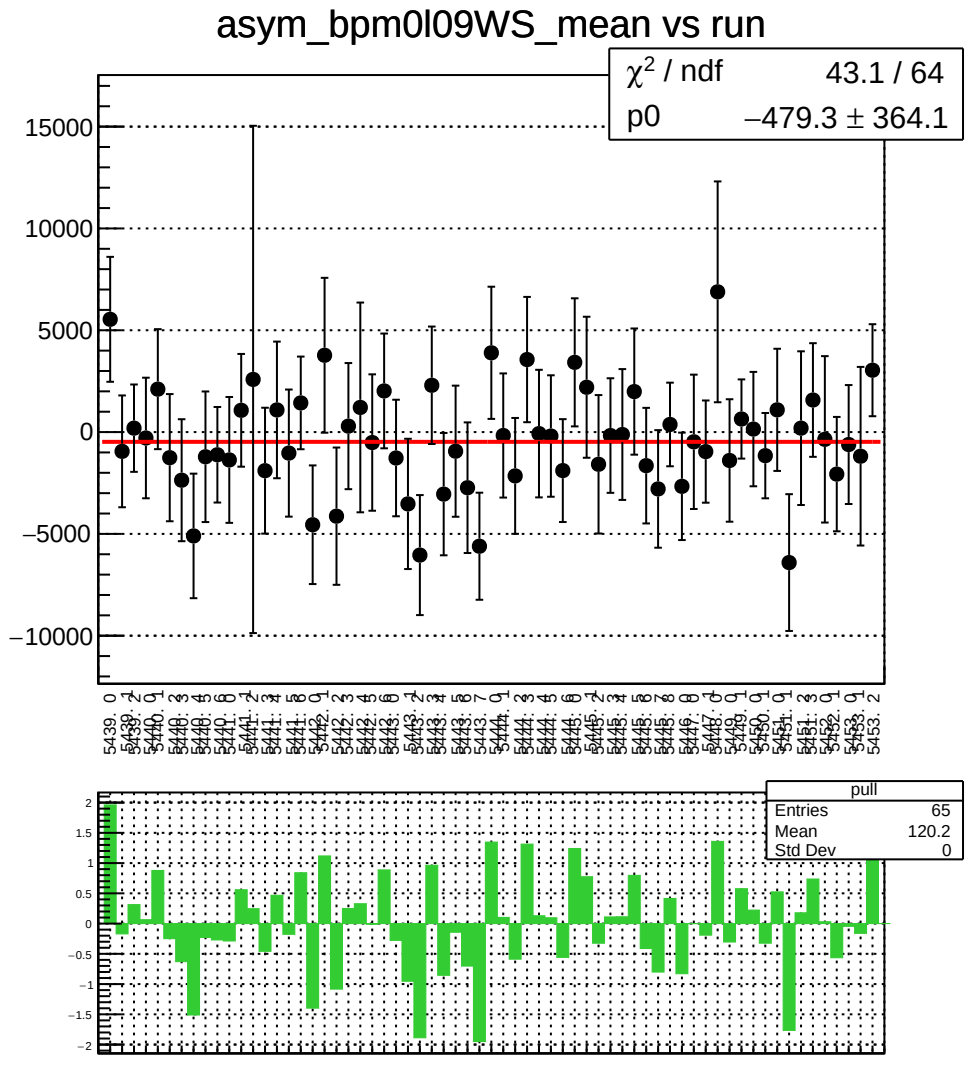

pull1D
Entries 65
Mean −0.002874
Std Dev 0.7202
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

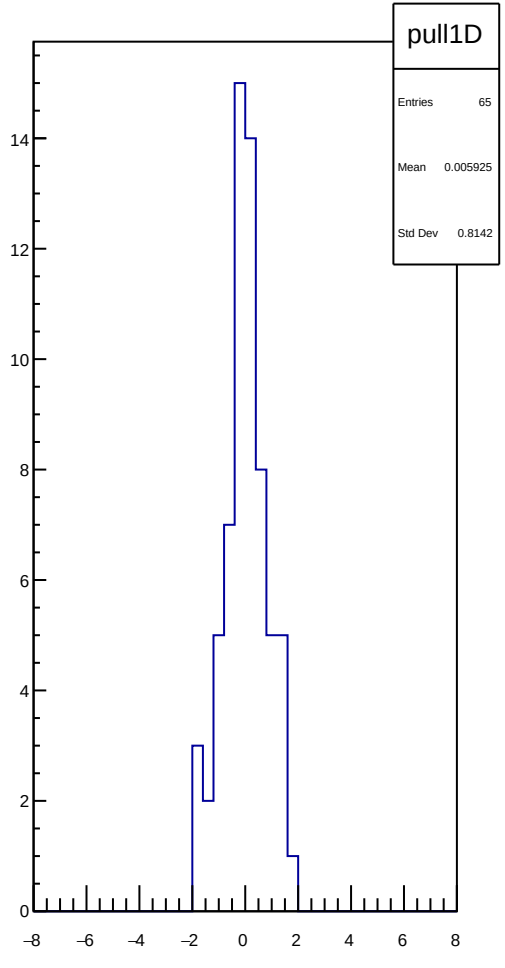

asym_bpm0l07WS_rms vs run
χ² / ndf 2.572e+04 / 64
p0 298.8 ± 0.2631
1200
1000
800
600
400
200

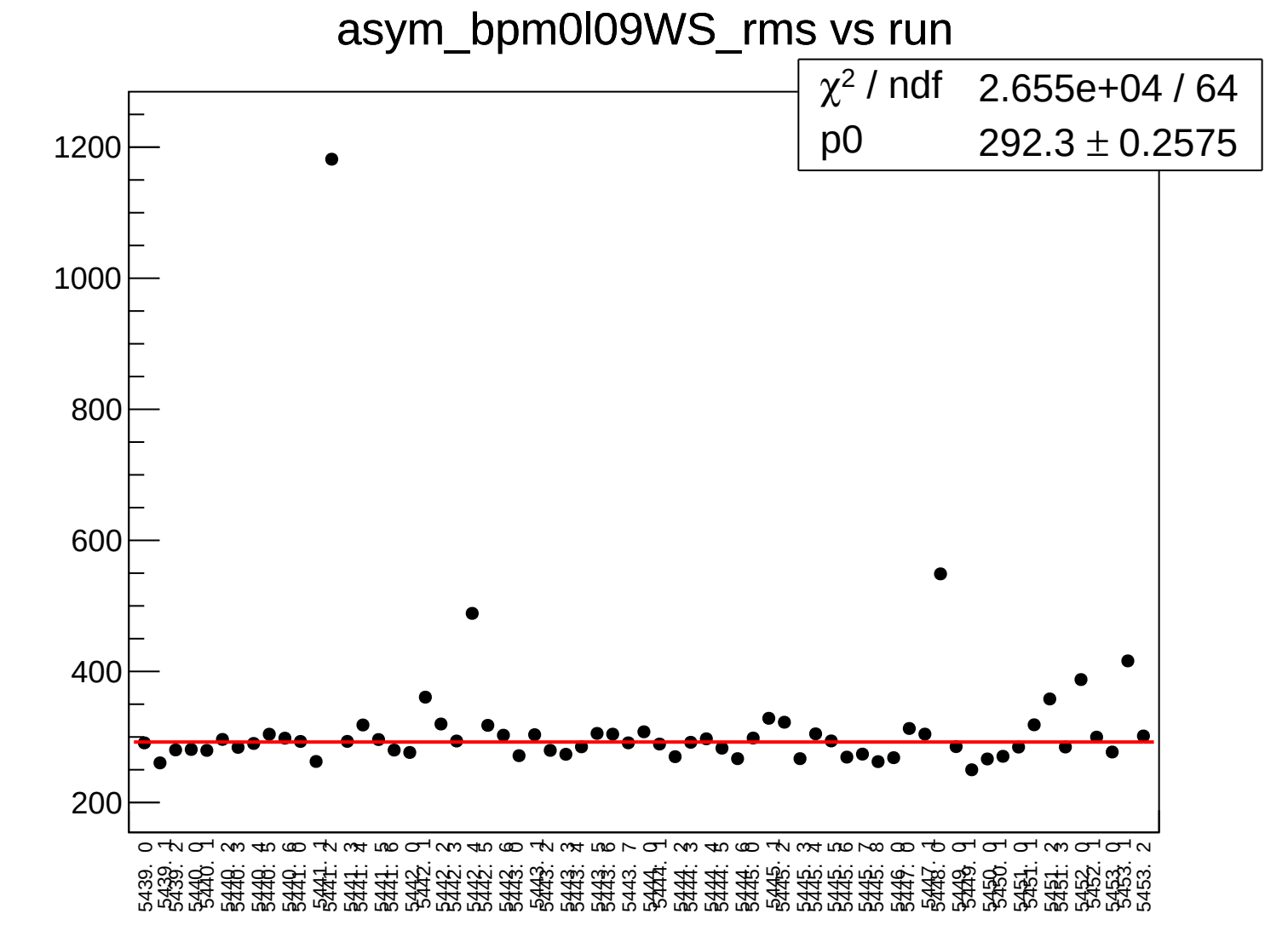

asym_bpm0l08WS_mean vs run
χ² / ndf 42.59 / 64
p0 −510.8 ± 355.3
pull
Entries 65
Mean 310.9
Std Dev 0

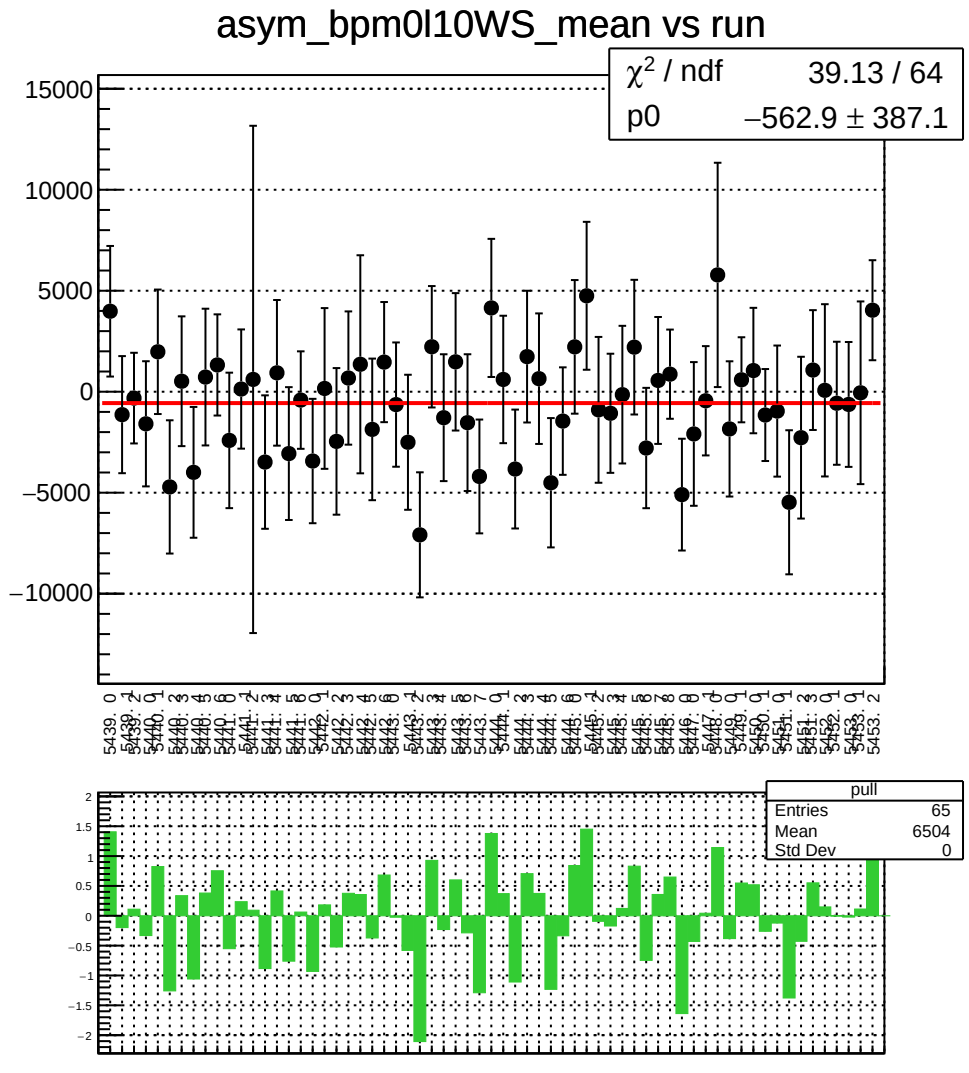

pull1D
Entries 65
Mean 0.002928
Std Dev 0.8094

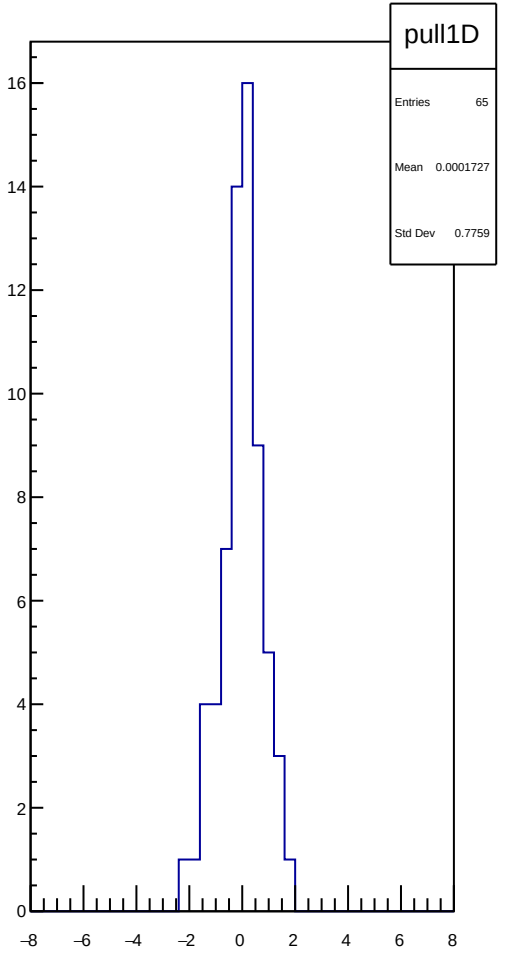

asym_bpm0l08WS_rms vs run
χ² / ndf 2.735e+04 / 64
p0 285.1 ± 0.2512
1200
1000
800
600
400
200

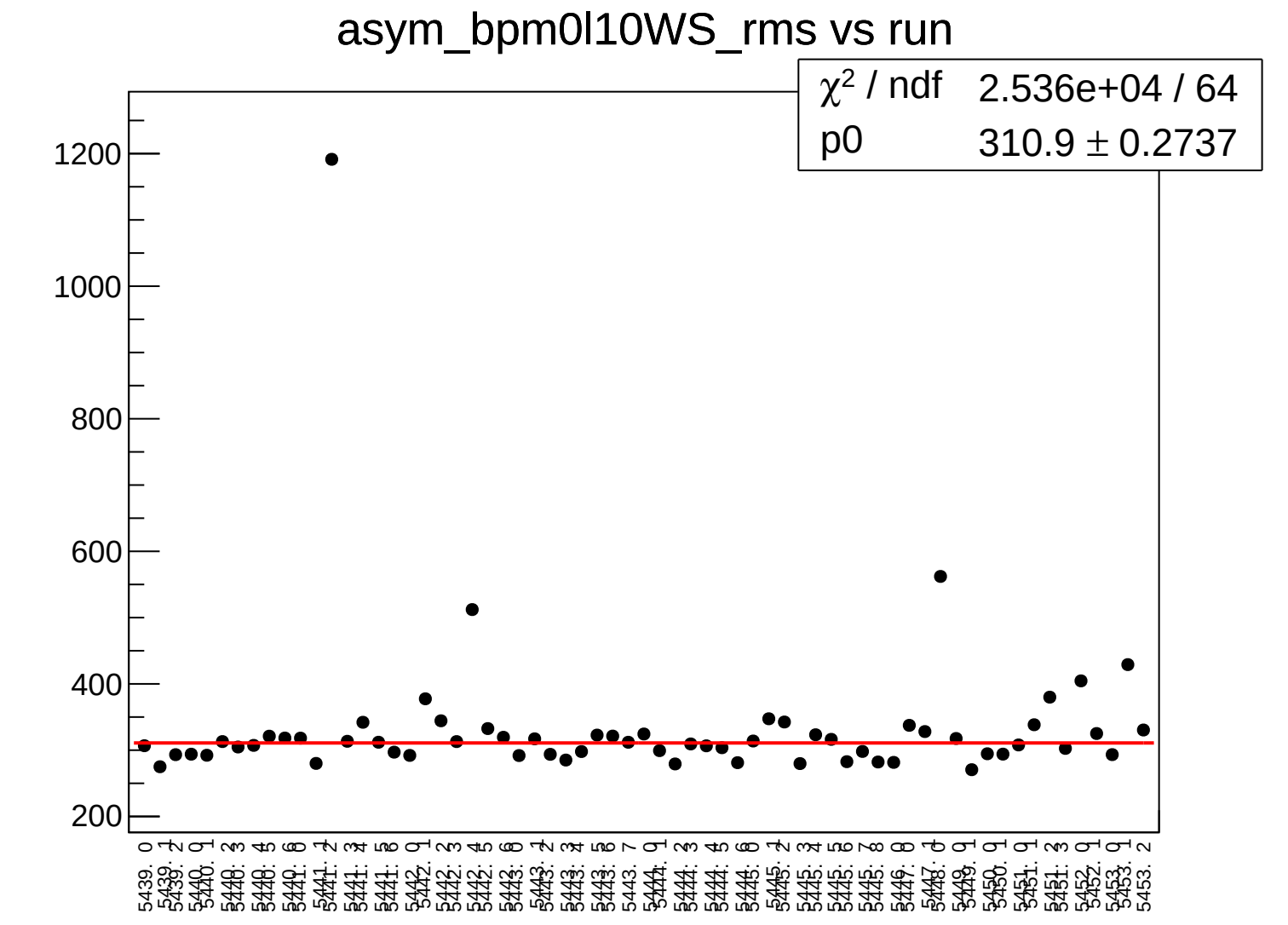

asym_bpm0l09WS_mean vs run
χ² / ndf 43.1 / 64
p0 −479.3 ± 364.1
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 120.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

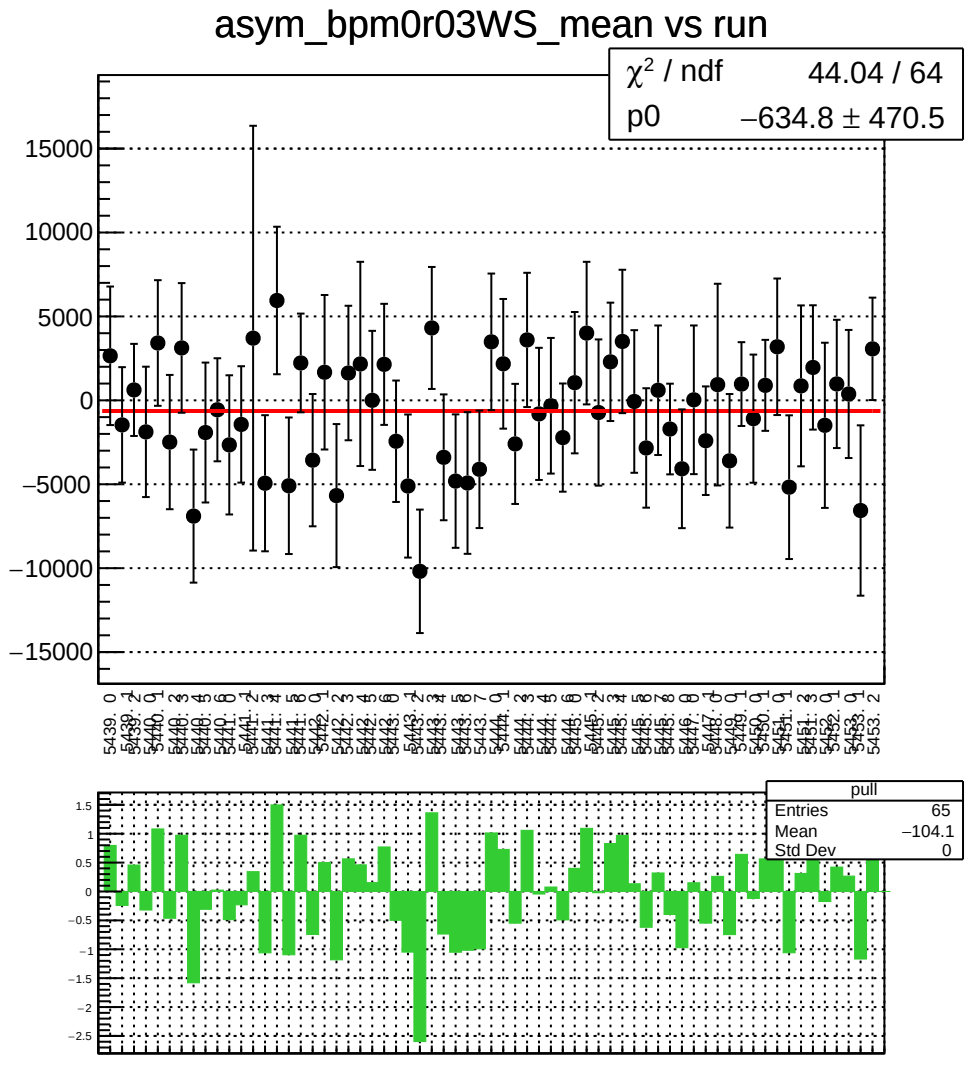

pull1D
Entries 65
Mean 0.005925
Std Dev 0.8142
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

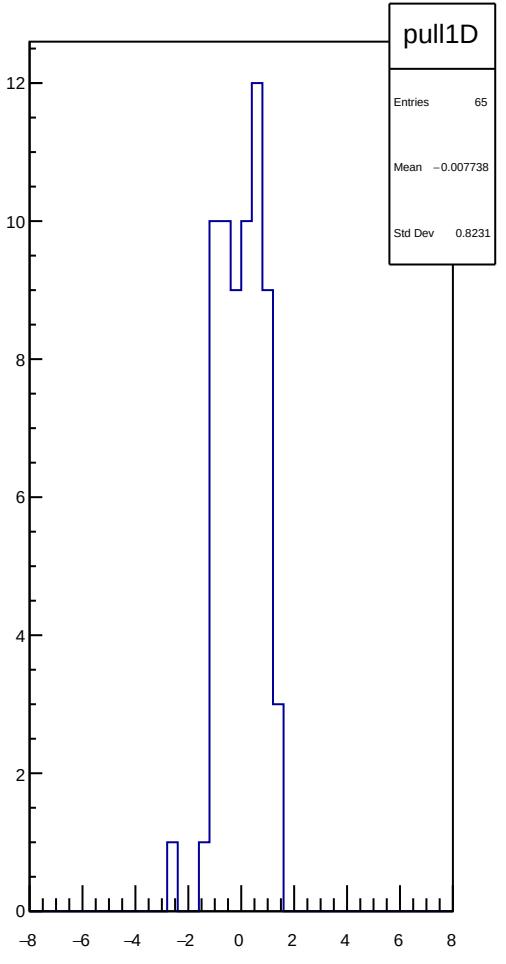

asym_bpm0l09WS_rms vs run
χ² / ndf 2.655e+04 / 64
p0 292.3 ± 0.2575
1200
1000
800
600
400
200

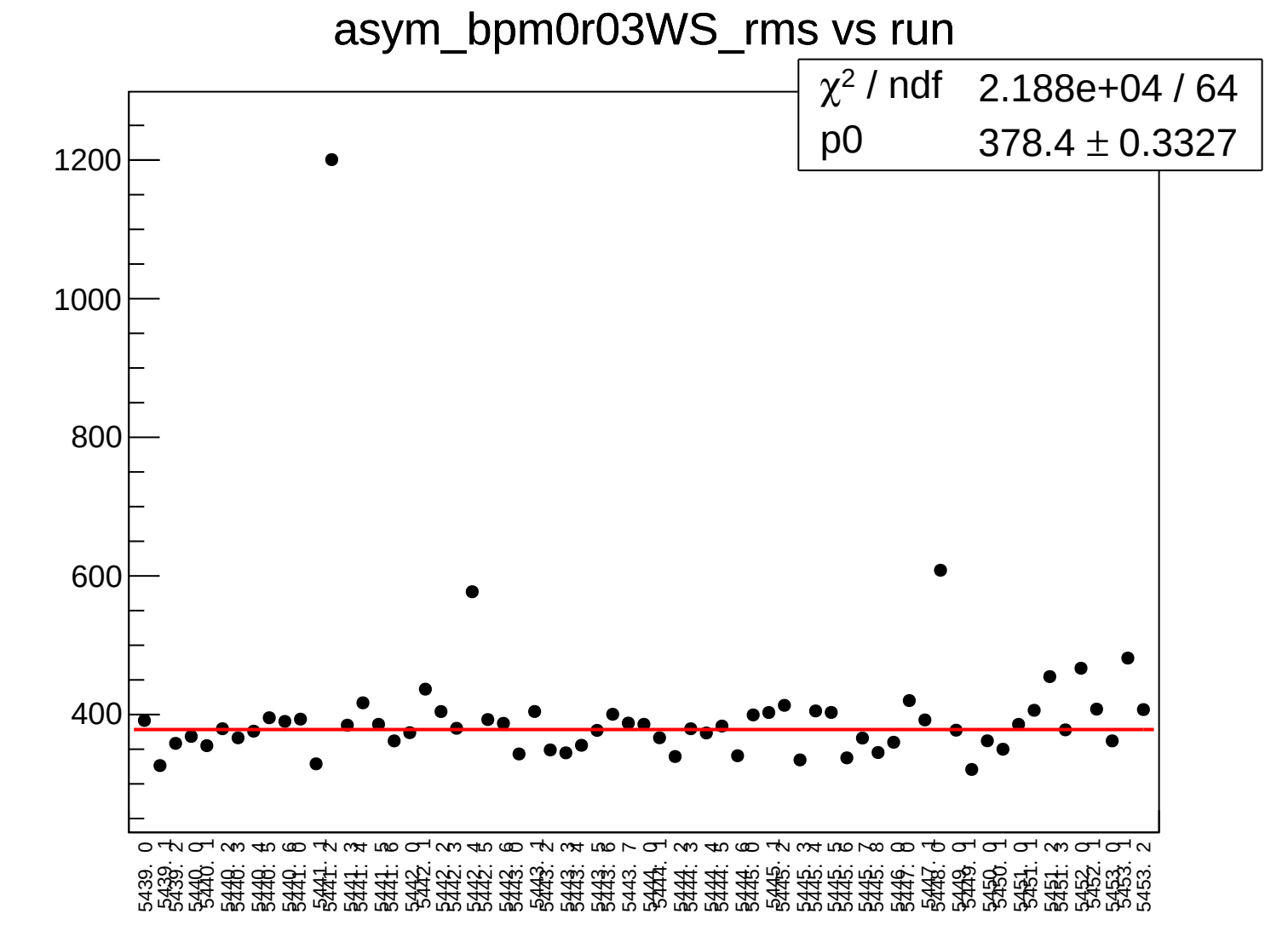

asym_bpm0l10WS_mean vs run
χ² / ndf 39.13 / 64
p0 −562.9 ± 387.1
pull
Entries 65
Mean 6504
Std Dev 0

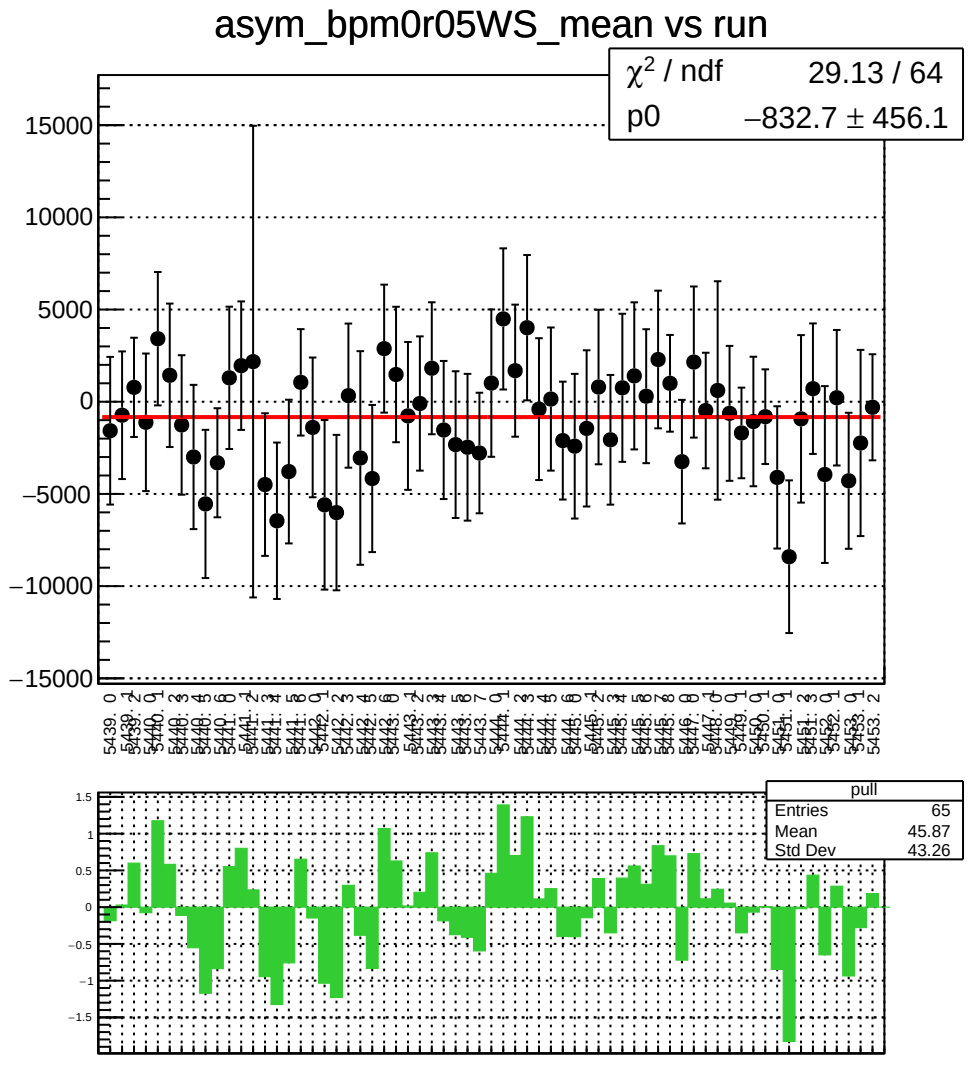

pull1D
Entries 65
Mean 0.0001727
Std Dev 0.7759

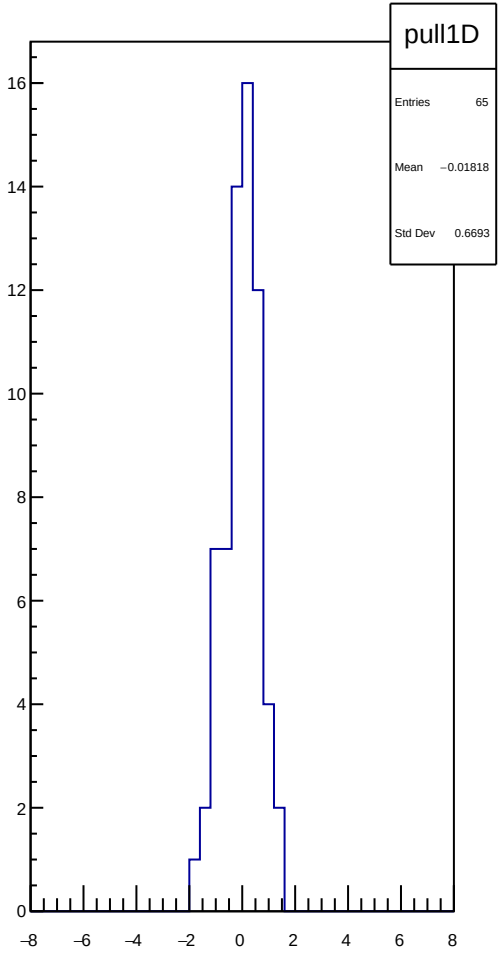

asym_bpm0l10WS_rms vs run
χ² / ndf 2.536e+04 / 64
p0 310.9 ± 0.2737
1200
1000
800
600
400
200

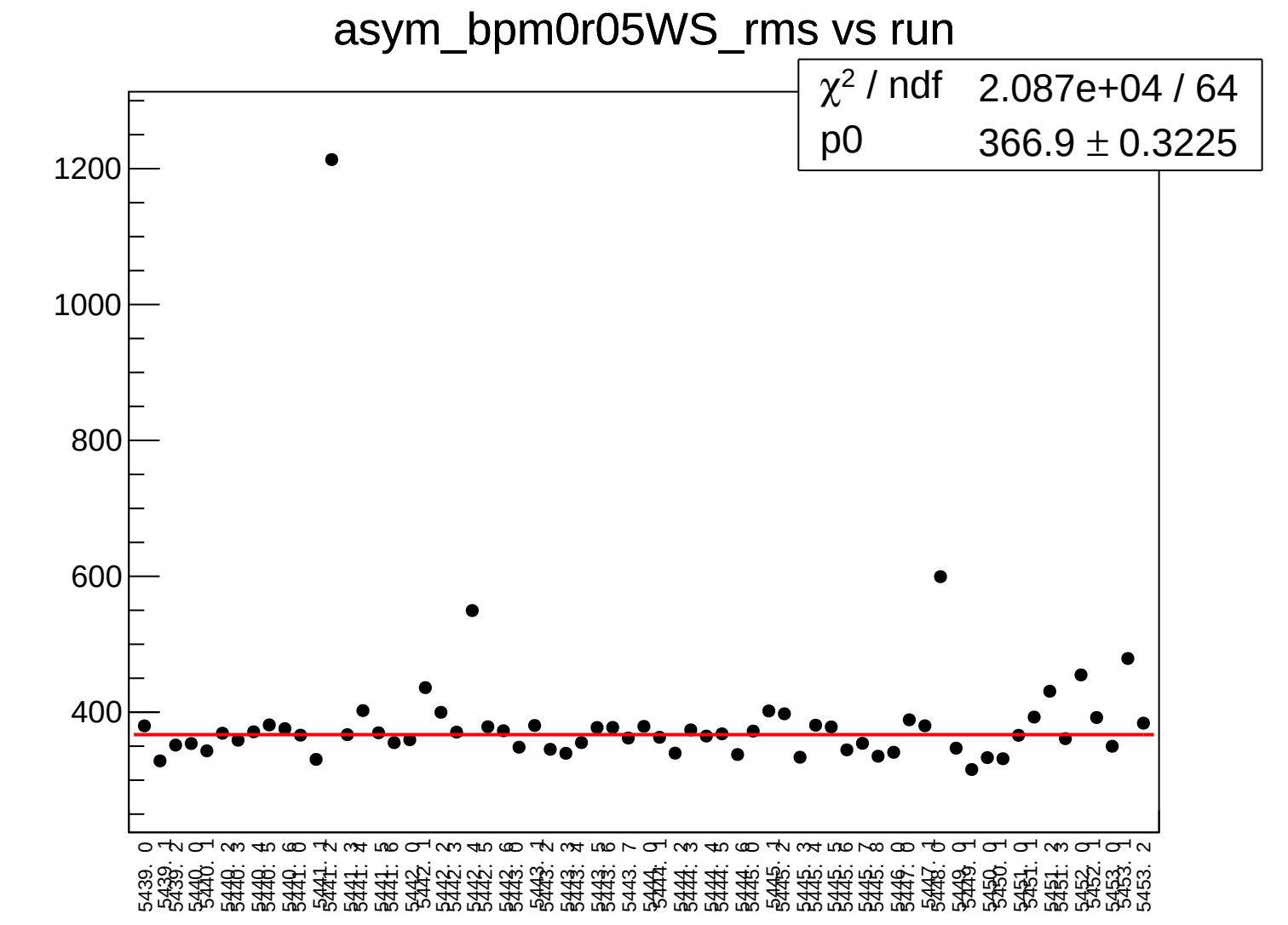

asym_bpm0r03WS_mean vs run
χ^2 / ndf 44.04 / 64
p0 −634.8 ± 470.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean −104.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

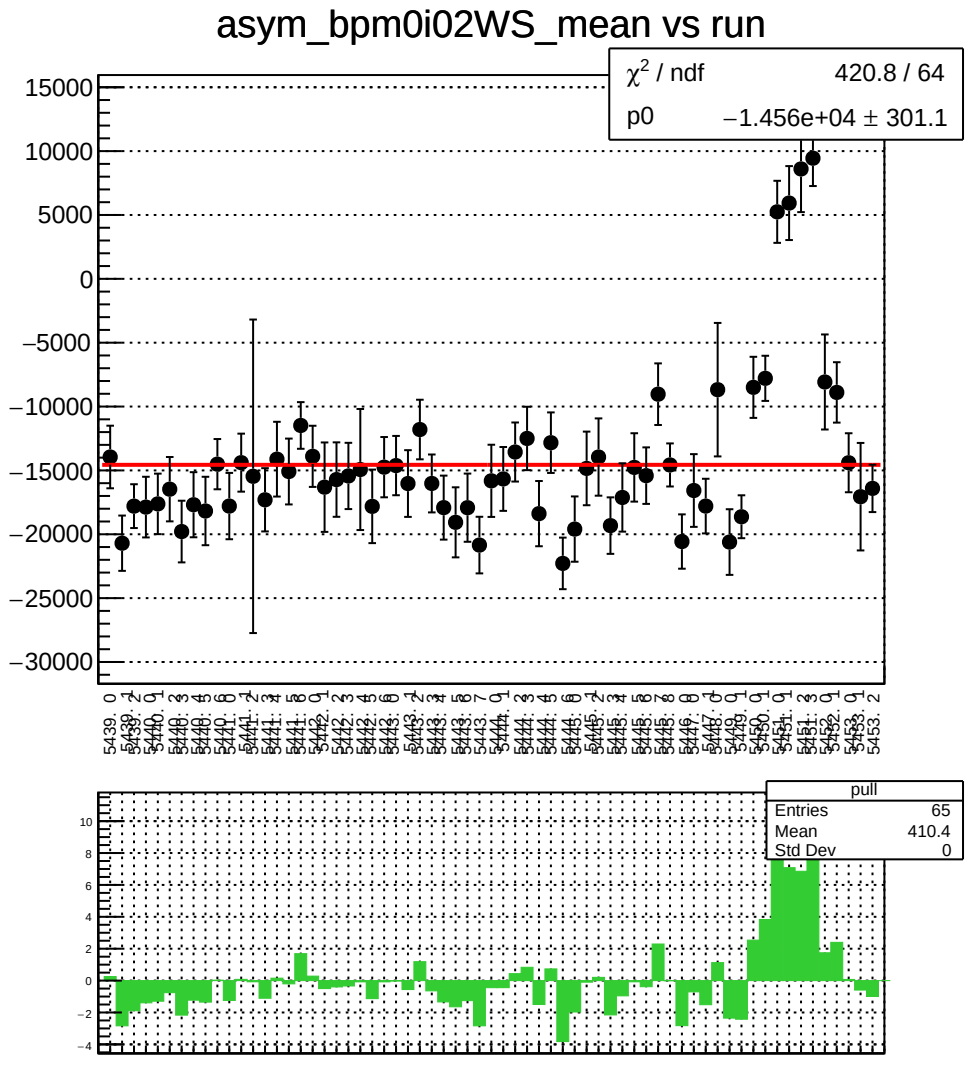

pull1D
Entries 65
Mean −0.007738
Std Dev 0.8231
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

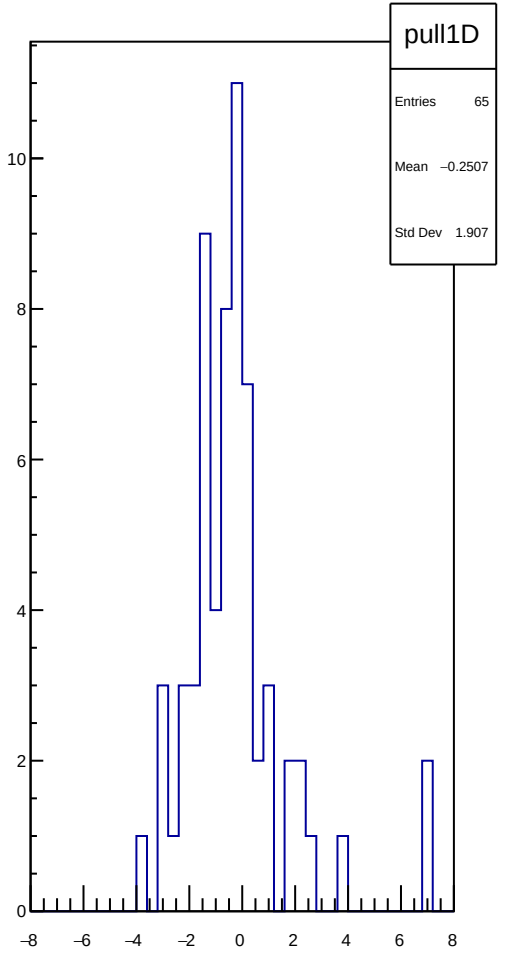

asym_bpm0r03WS_rms vs run
χ² / ndf 2.188e+04 / 64
p0 378.4 ± 0.3327
1200
1000
800
600
400

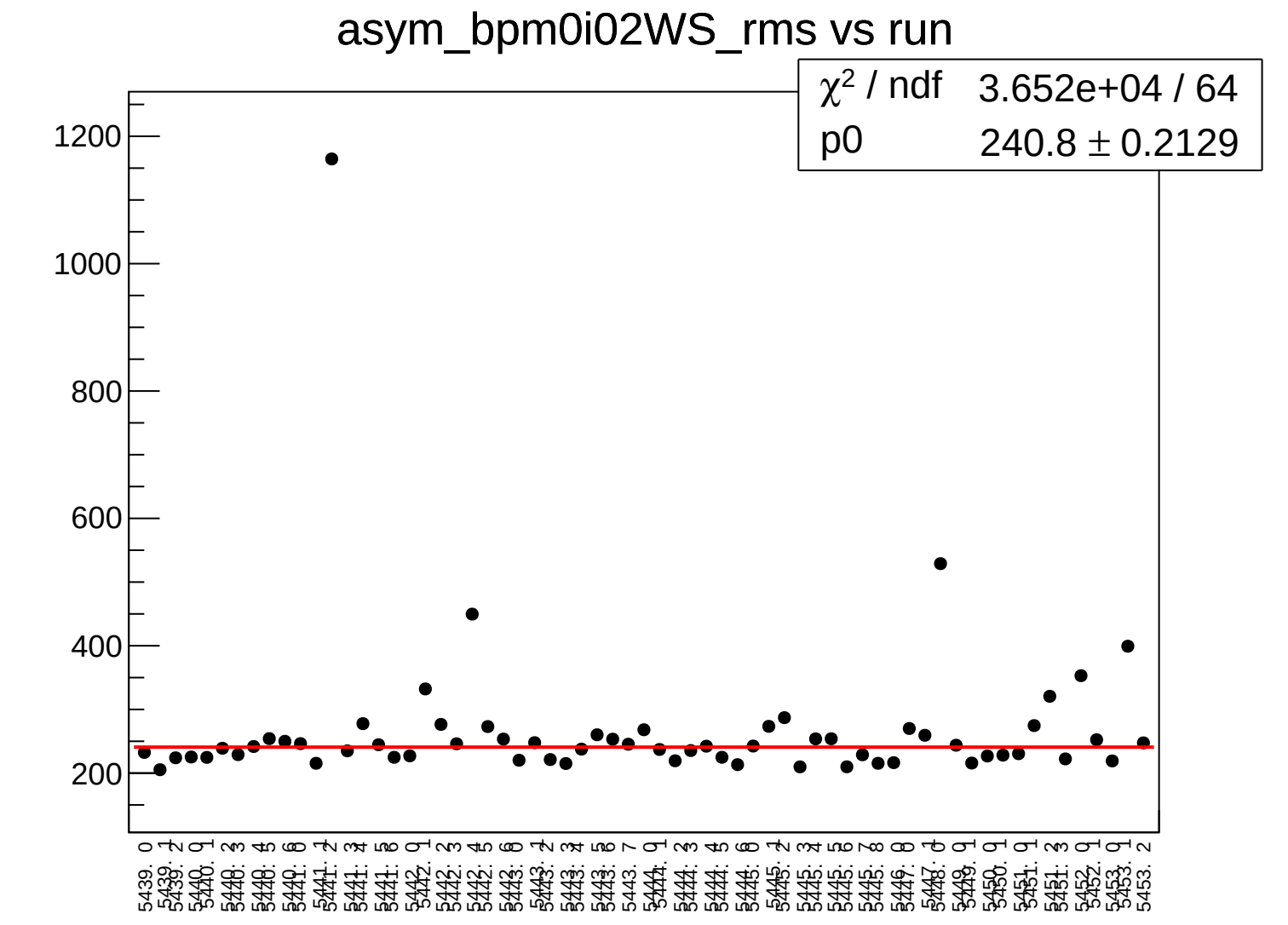

asym_bpm0r05WS_mean vs run
χ² / ndf 29.13 / 64
p0 −832.7 ± 456.1
pull
Entries 65
Mean 45.87
Std Dev 43.26

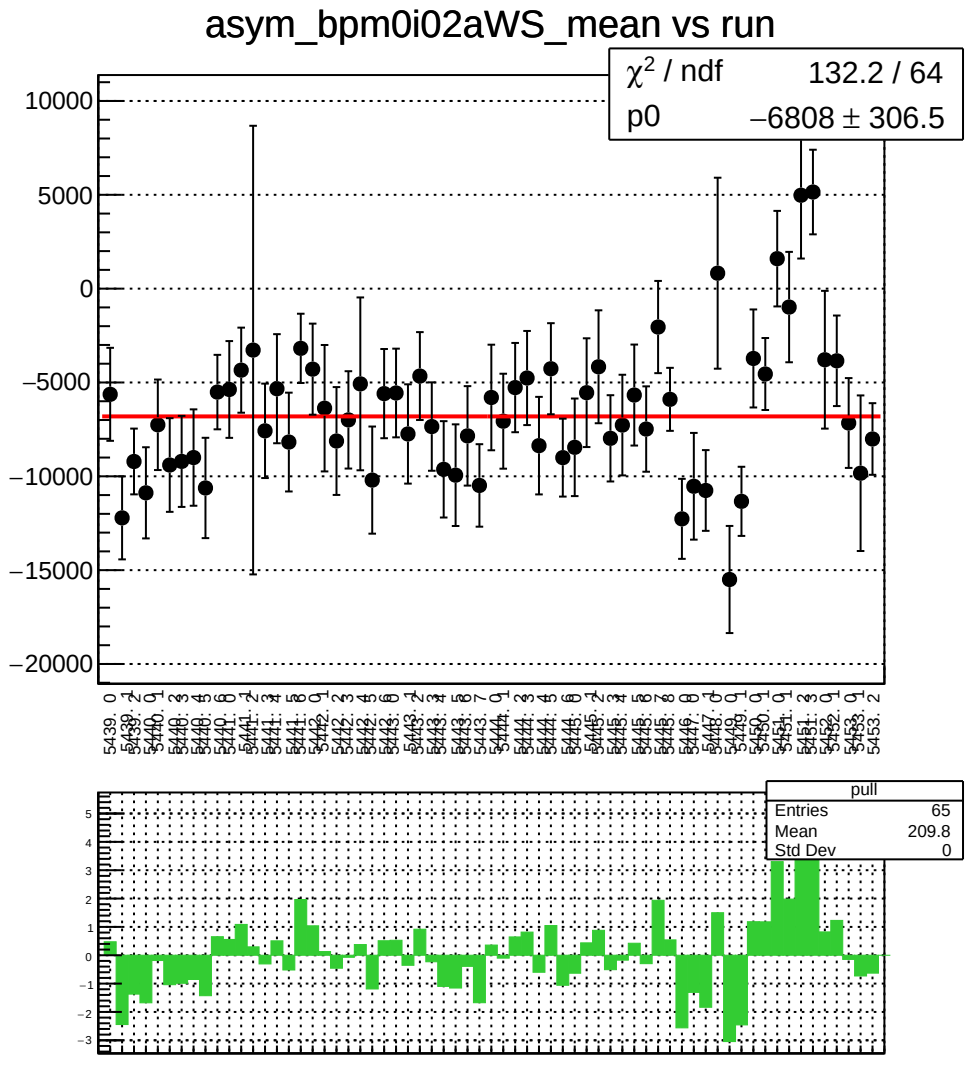

pull1D
Entries 65
Mean −0.01818
Std Dev 0.6693

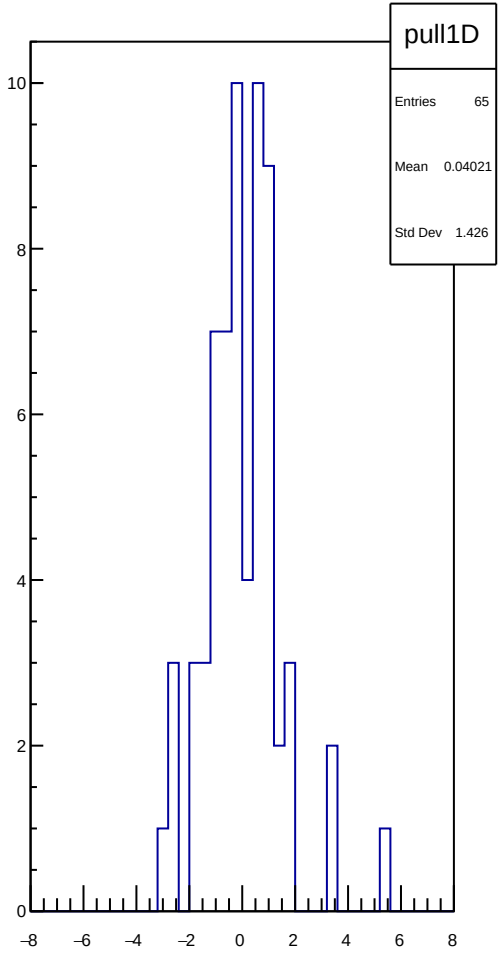

asym_bpm0r05WS_rms vs run
χ² / ndf 2.087e+04 / 64
p0 366.9 ± 0.3225
1200
1000
800
600
400

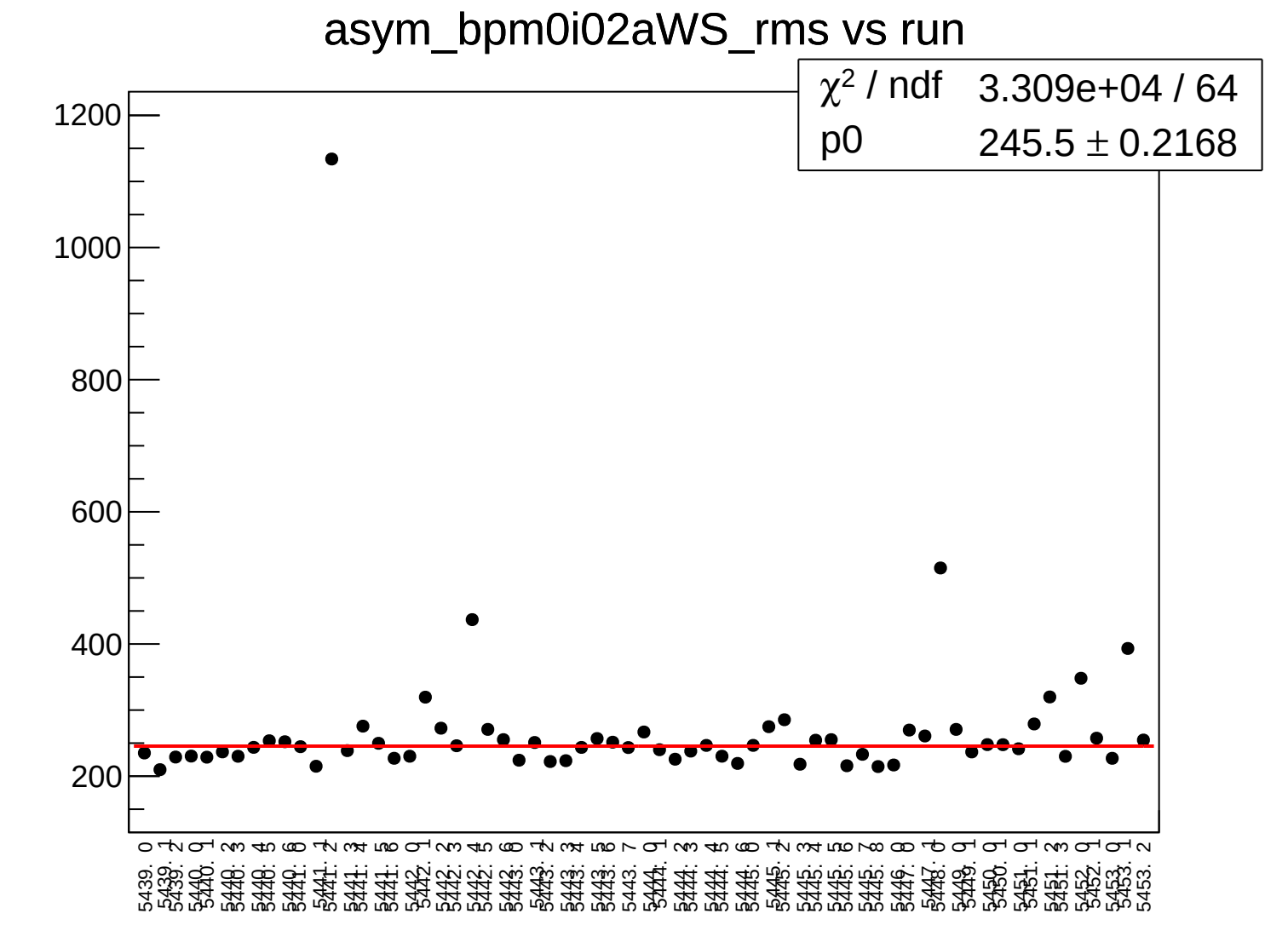

asym_bpm0i02WS_mean vs run
χ² / ndf 420.8 / 64
p0 −1.456e+04 ± 301.1
pull
Entries 65
Mean 410.4
Std Dev 0

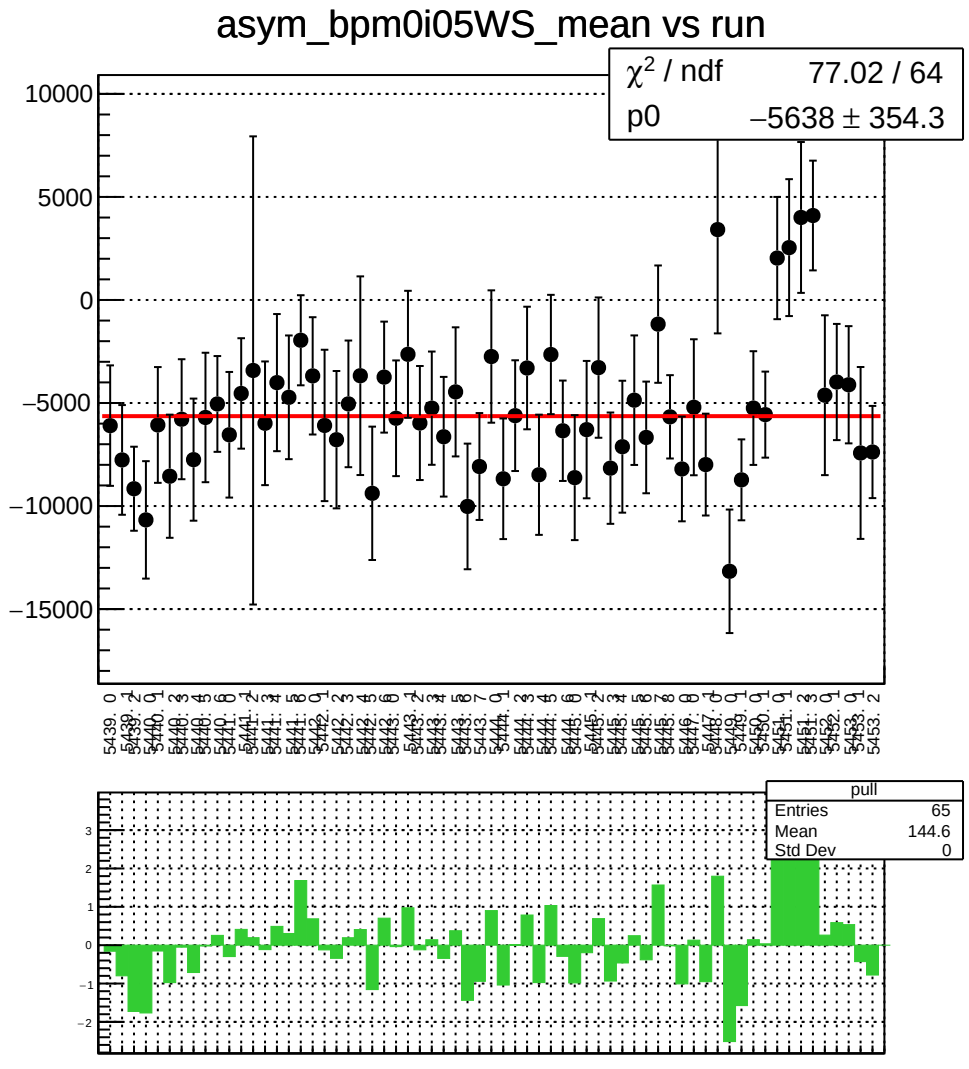

pull1D
Entries 65
Mean −0.2507
Std Dev 1.907

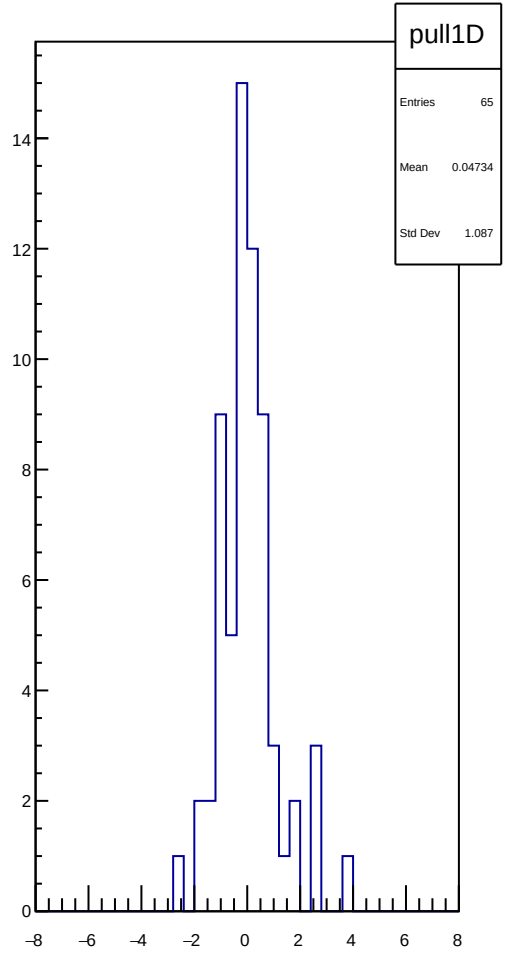

asym_bpm0i02WS_rms vs run
χ² / ndf 3.652e+04 / 64
p0 240.8 ± 0.2129
1200
1000
800
600
400
200

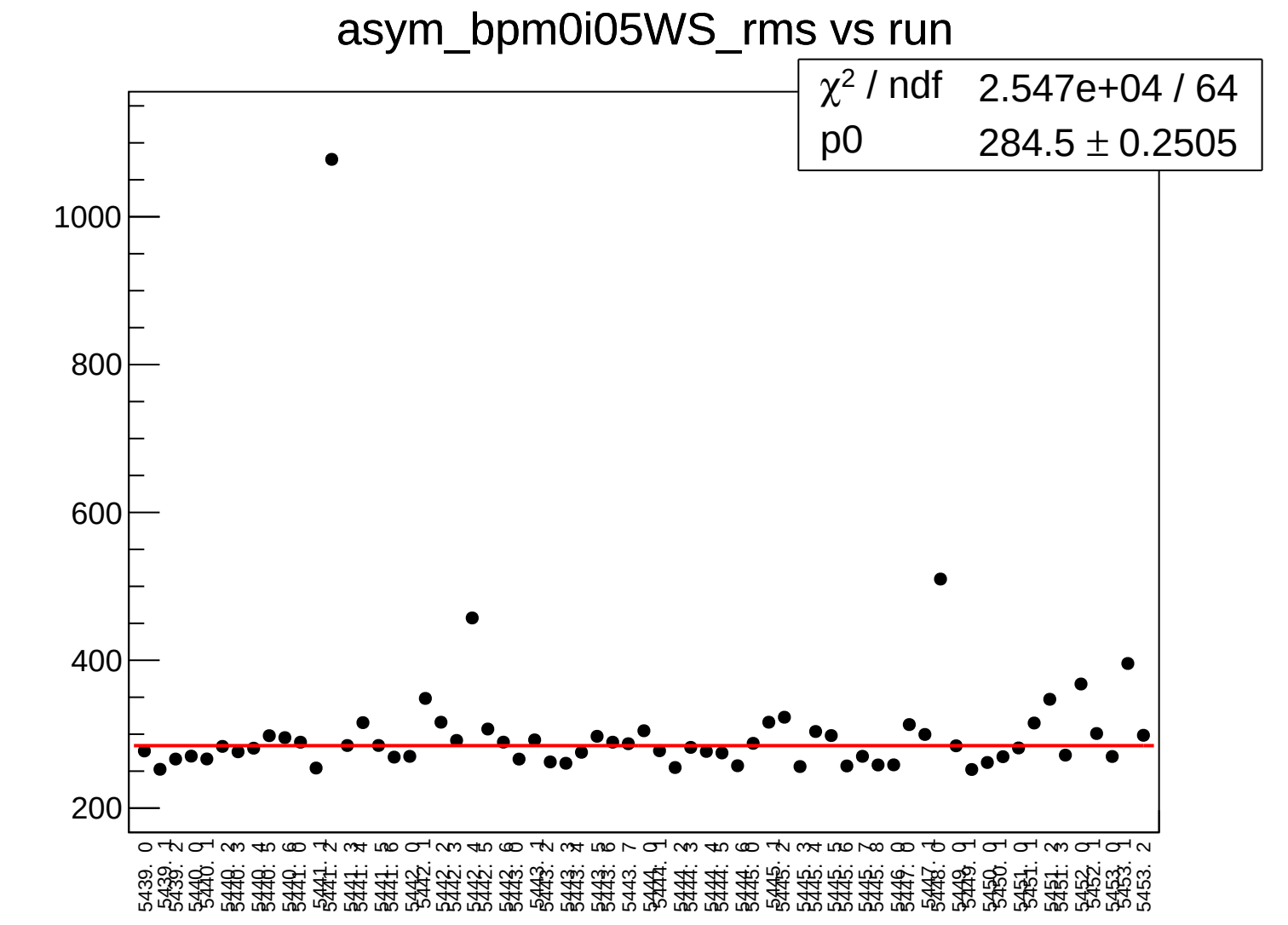

asym_bpm0i02aWS_mean vs run
χ² / ndf 132.2 / 64
p0 −6808 ± 306.5
pull
Entries 65
Mean 209.8
Std Dev 0

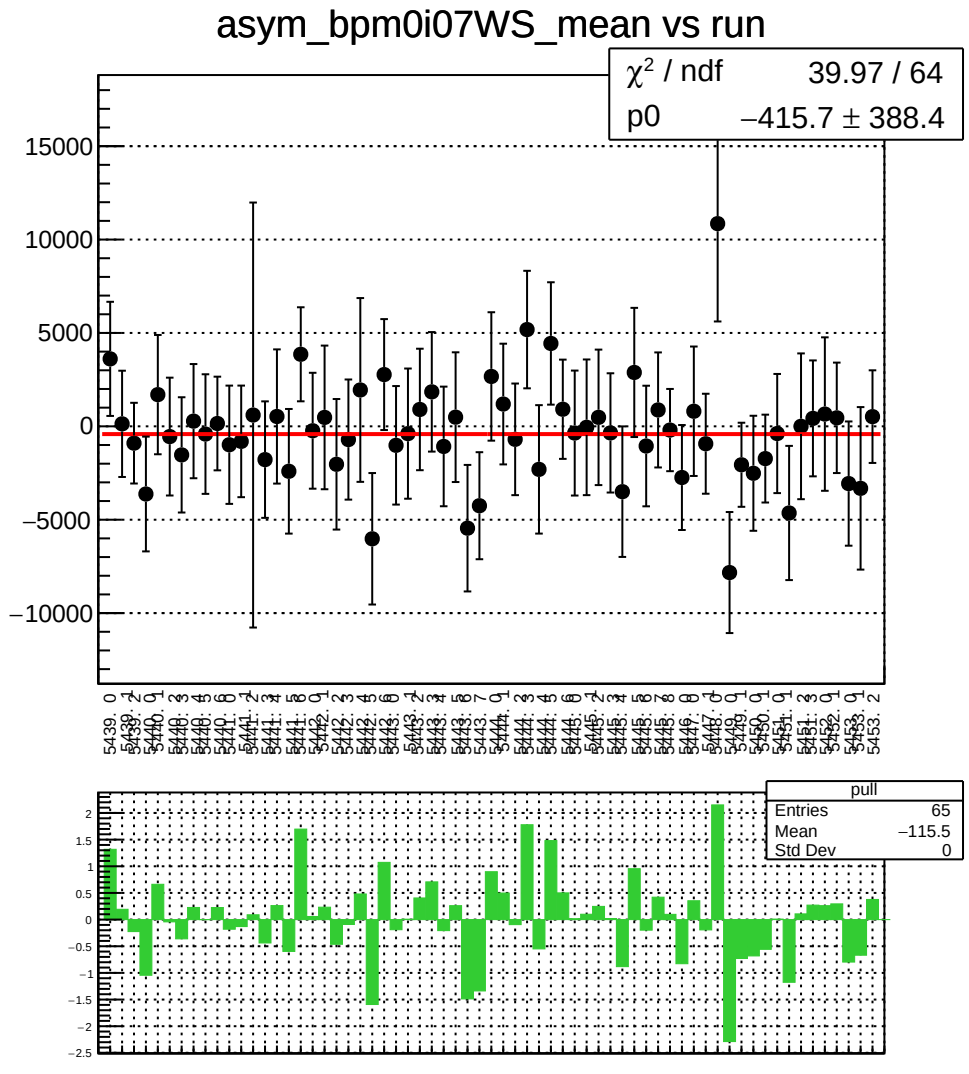

pull1D
Entries 65
Mean 0.04021
Std Dev 1.426

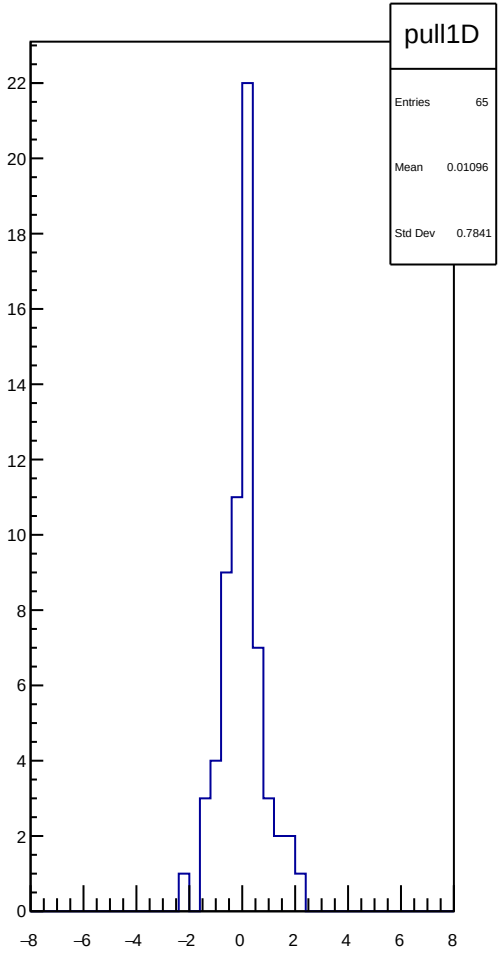

asym_bpm0i02aWS_rms vs run
χ² / ndf 3.309e+04 / 64
p0 245.5 ± 0.2168
1200
1000
800
600
400
200

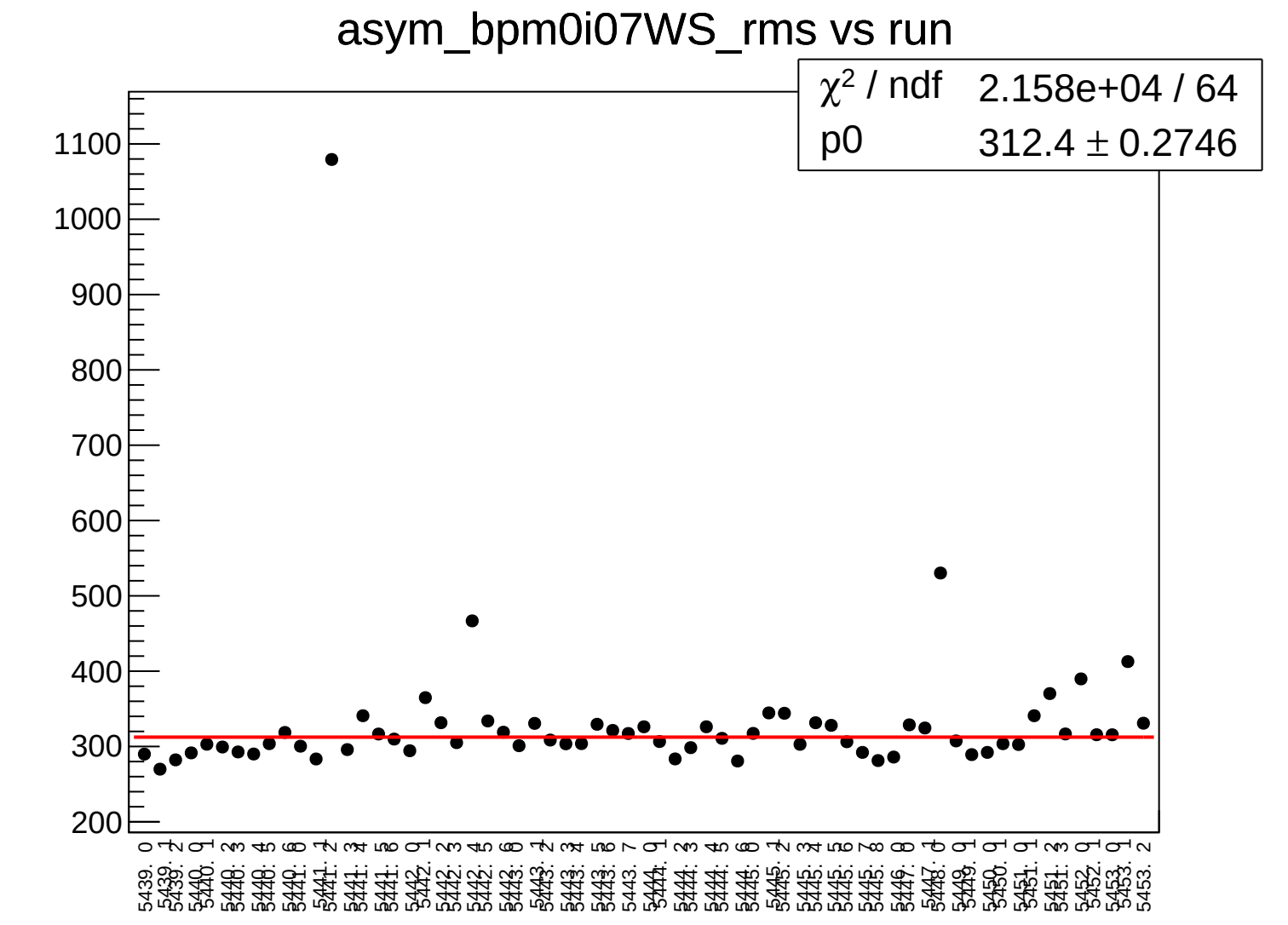

asym_bpm0i05WS_mean vs run
χ² / ndf 77.02 / 64
p0 −5638 ± 354.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 144.6
Std Dev 0
3
2
1
0
−1
−2

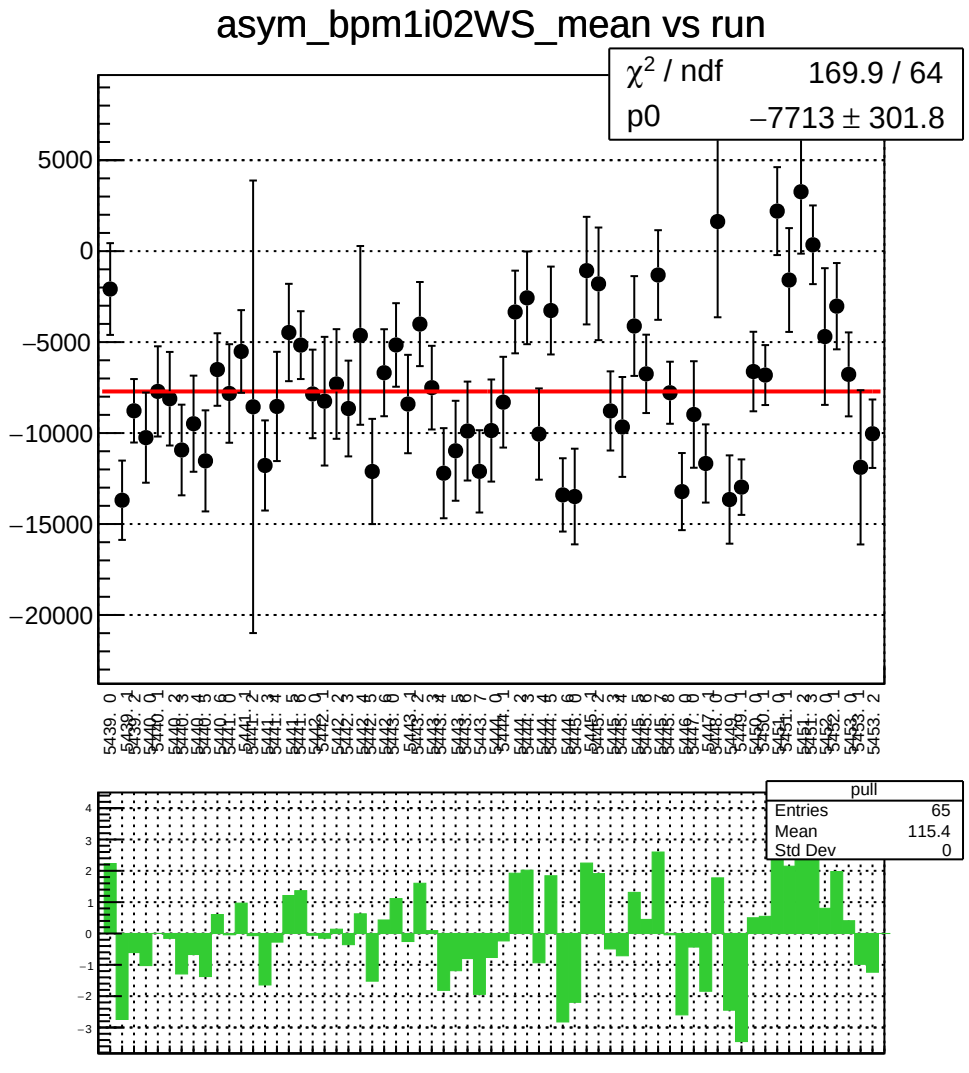

pull1D
Entries 65
Mean 0.04734
Std Dev 1.087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

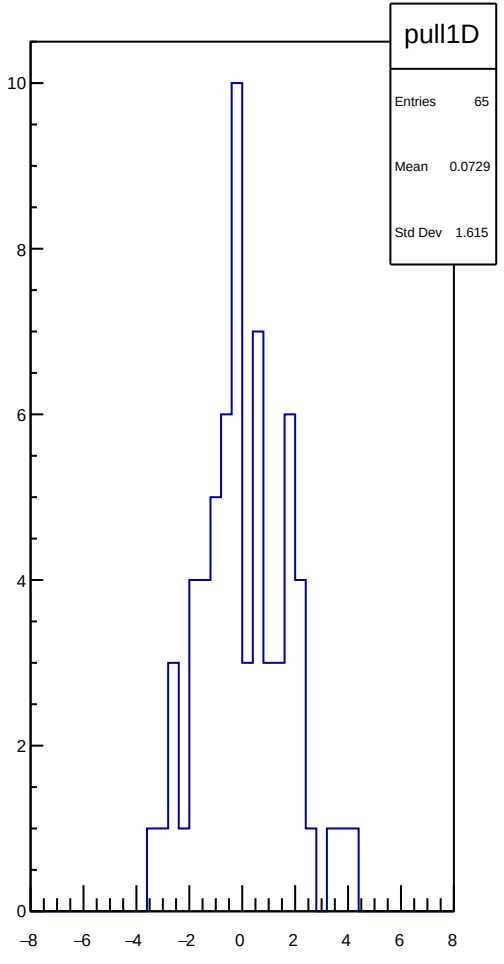

asym_bpm0i05WS_rms vs run
χ² / ndf 2.547e+04 / 64
p0 284.5 ± 0.2505
1000
800
600
400
200

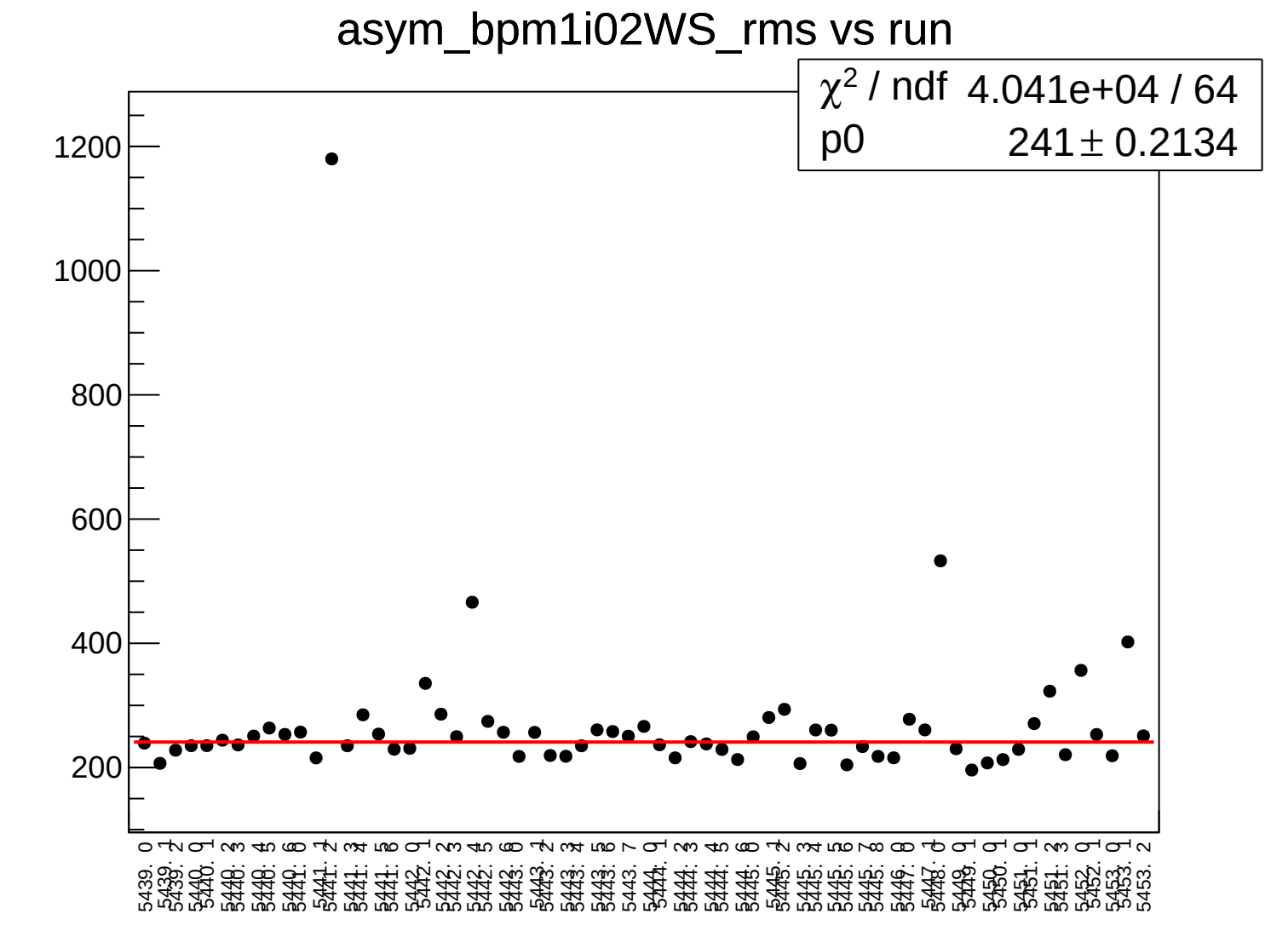

asym_bpm0i07WS_mean vs run
χ² / ndf 39.97 / 64
p0 −415.7 ± 388.4
pull
Entries 65
Mean −115.5
Std Dev 0

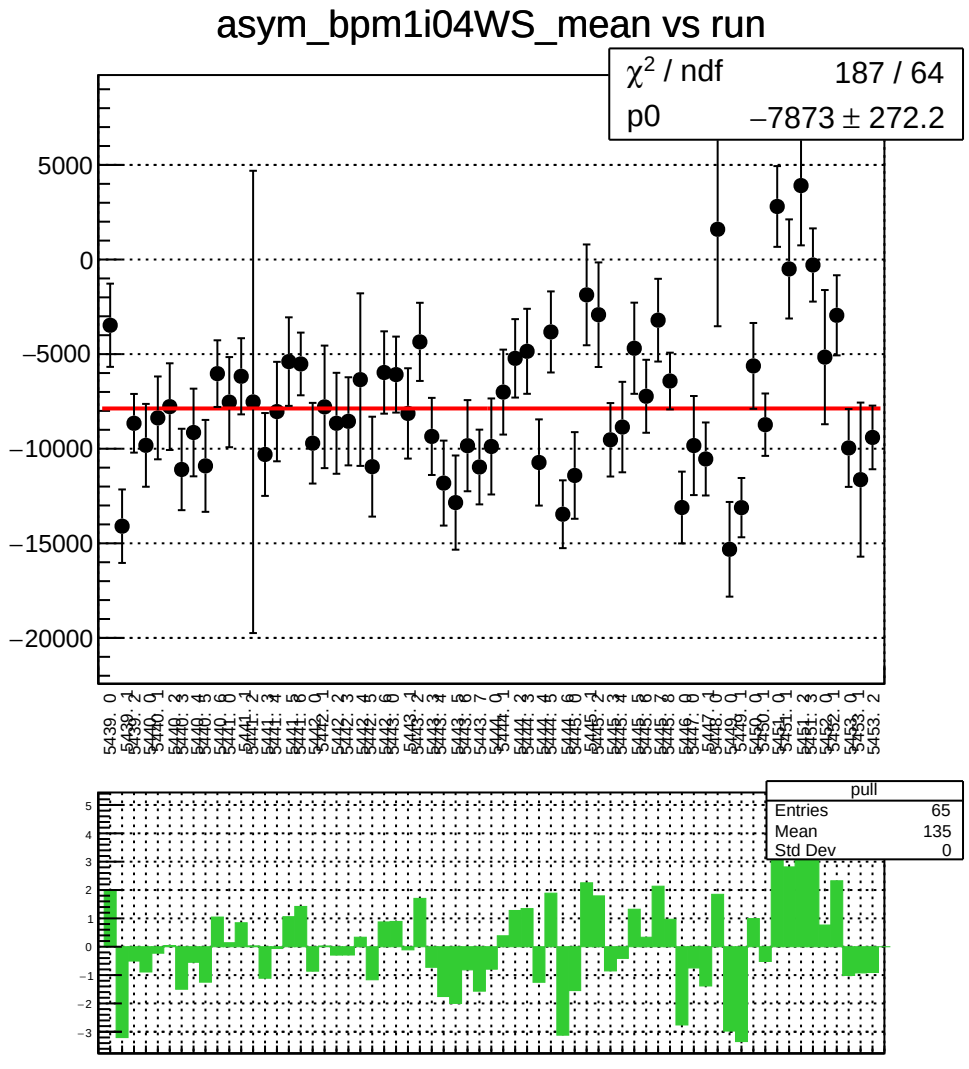

pull1D
Entries 65
Mean 0.01096
Std Dev 0.7841

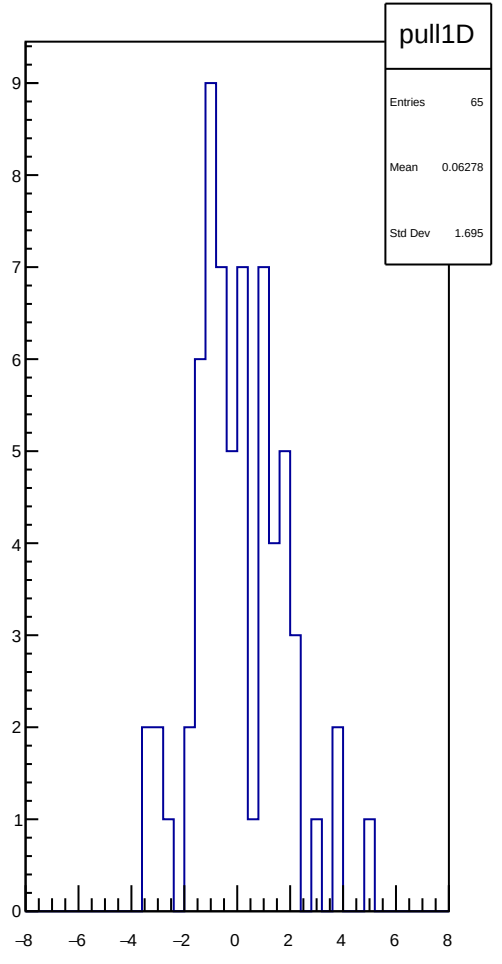

asym_bpm0i07WS_rms vs run
χ² / ndf 2.158e+04 / 64
p0 312.4 ± 0.2746
1100
1000
900
800
700
600
500
400
300
200

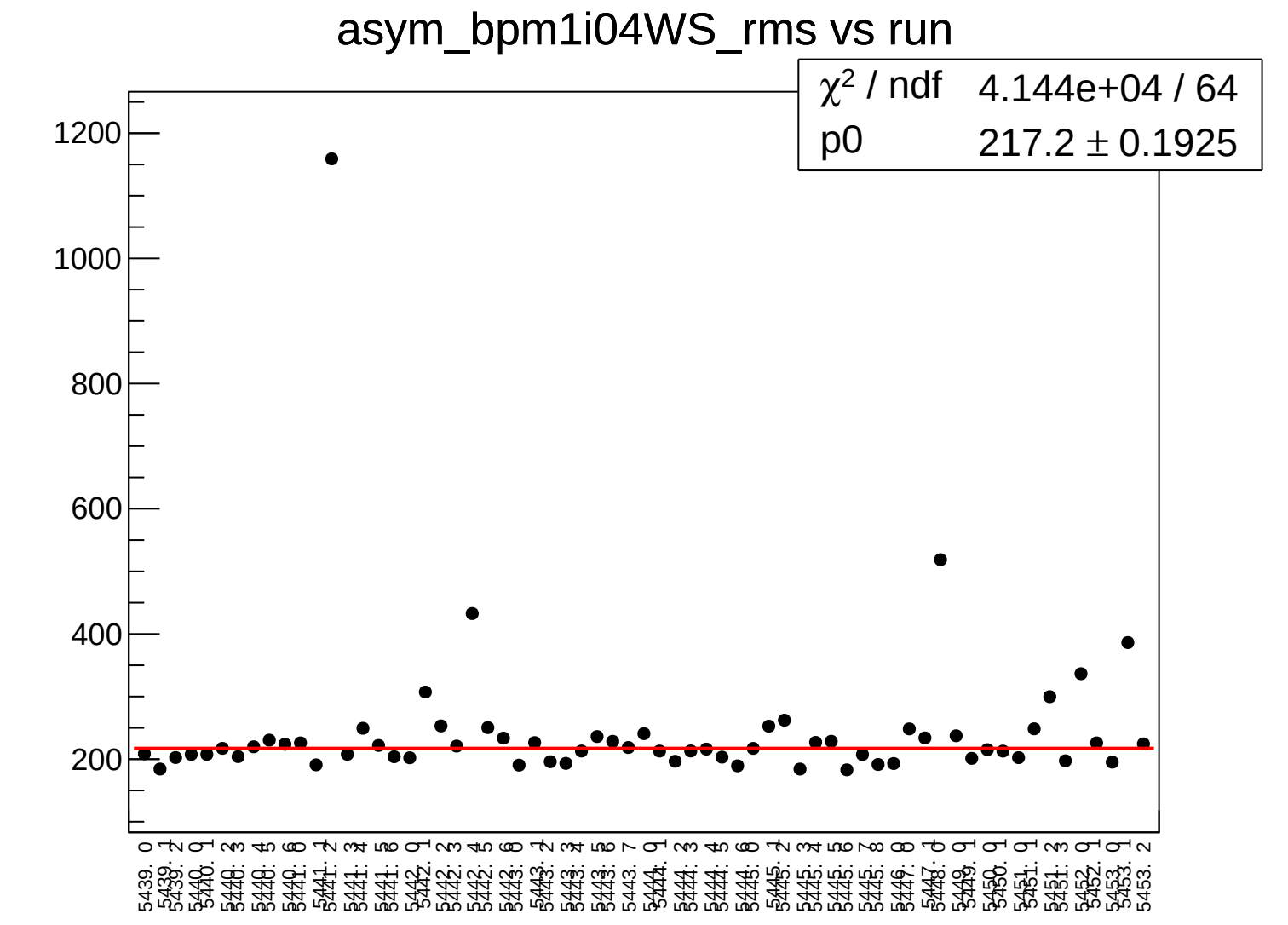

asym_bpm1i02WS_mean vs run
χ² / ndf 169.9 / 64
p0 −7713 ± 301.8
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean 115.4
Std Dev 0

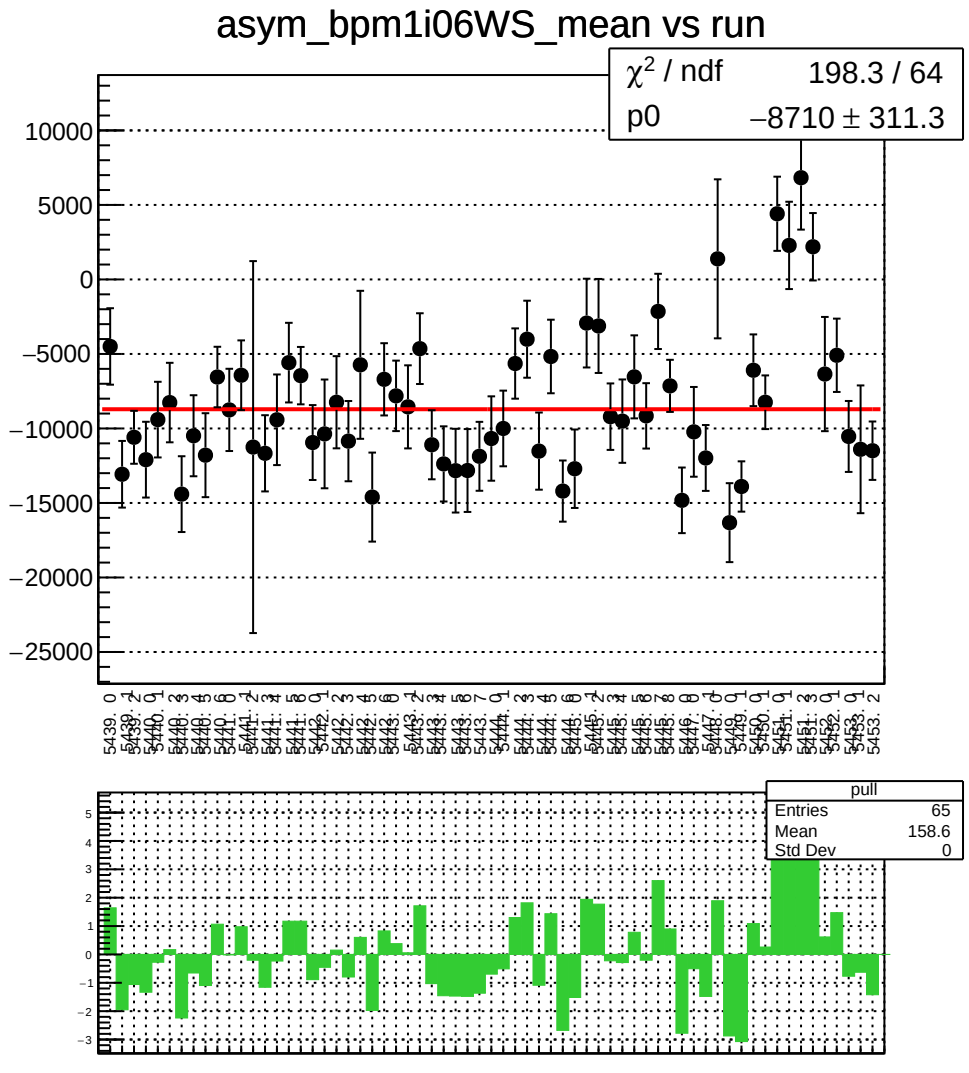

pull1D
Entries 65
Mean 0.0729
Std Dev 1.615
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

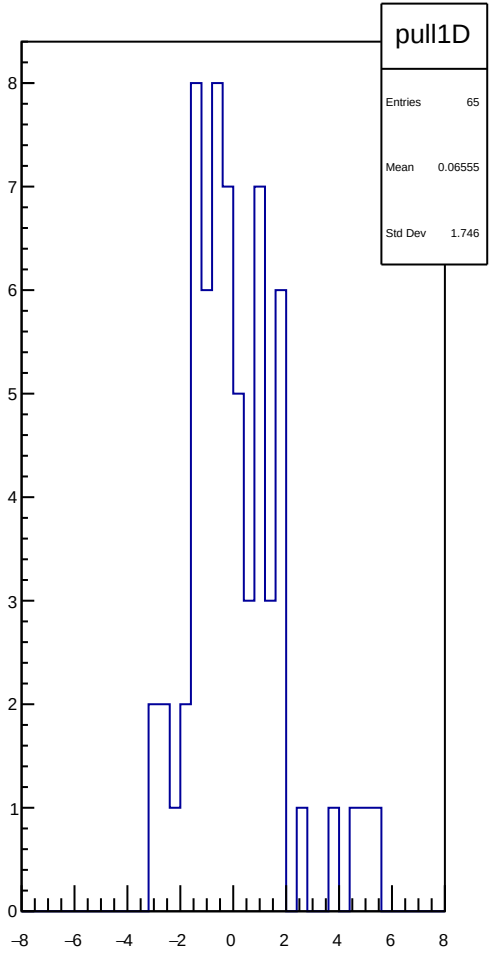

asym_bpm1i02WS_rms vs run
χ² / ndf 4.041e+04 / 64
p0 241 ± 0.2134
1200
1000
800
600
400
200

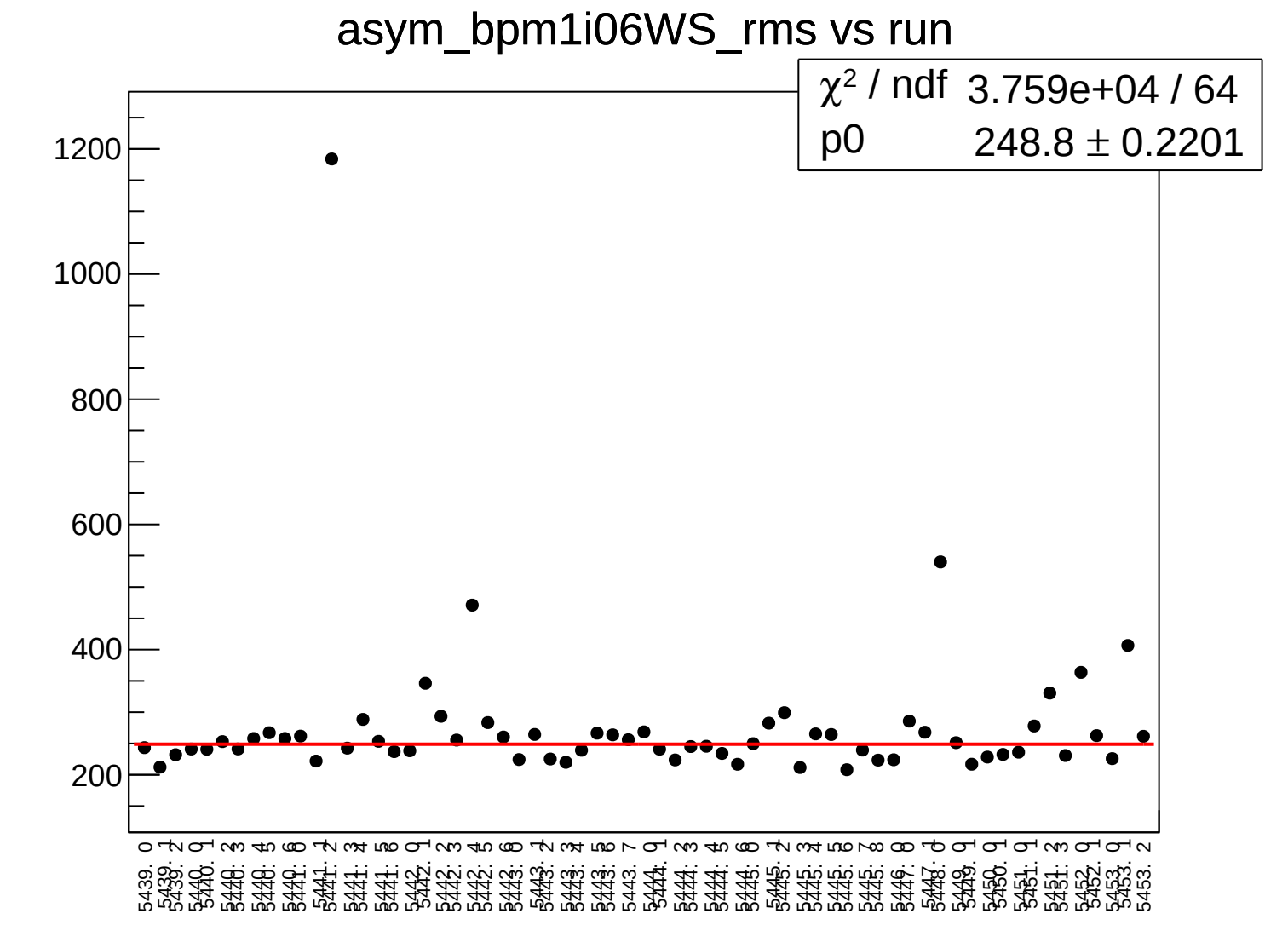

asym_bpm1i04WS_mean vs run
χ² / ndf 187 / 64
p0 −7873 ± 272.2
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean 135
Std Dev 0

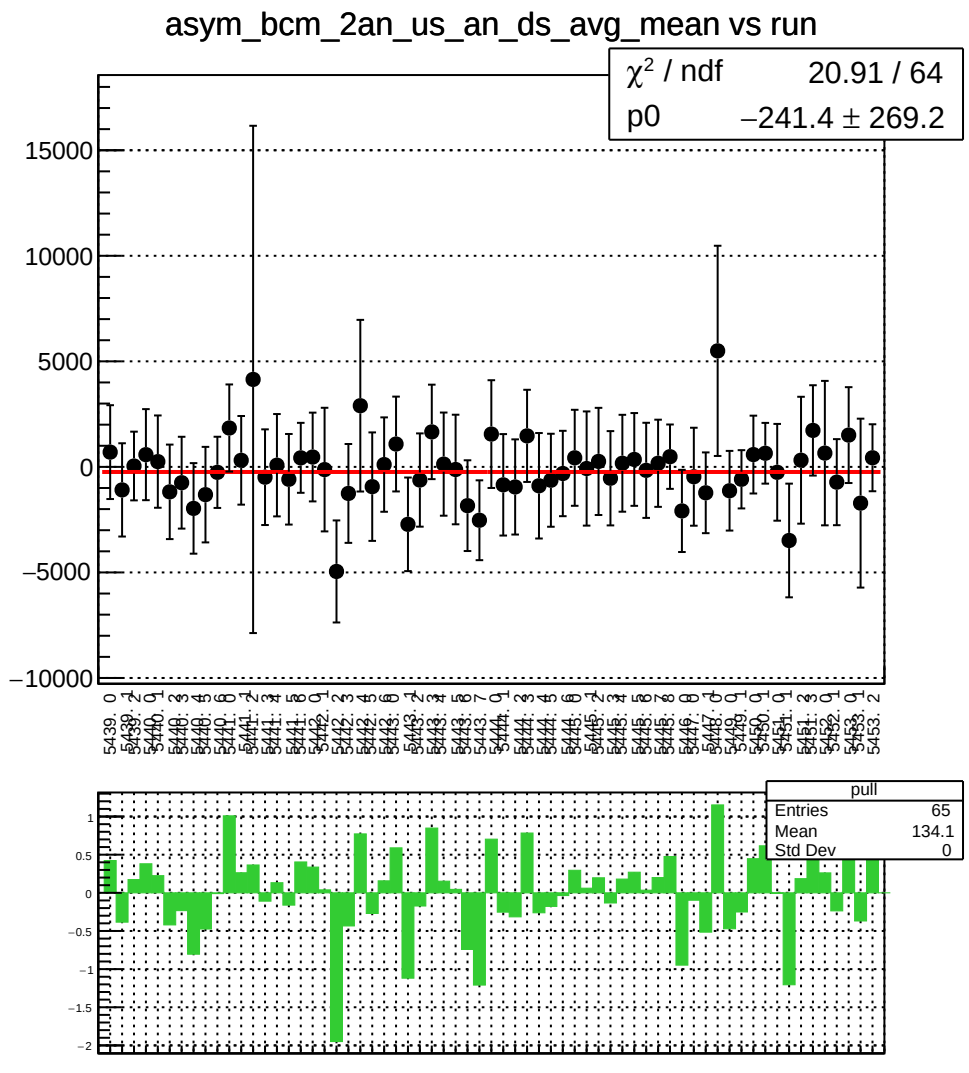

pull1D
Entries 65
Mean 0.06278
Std Dev 1.695

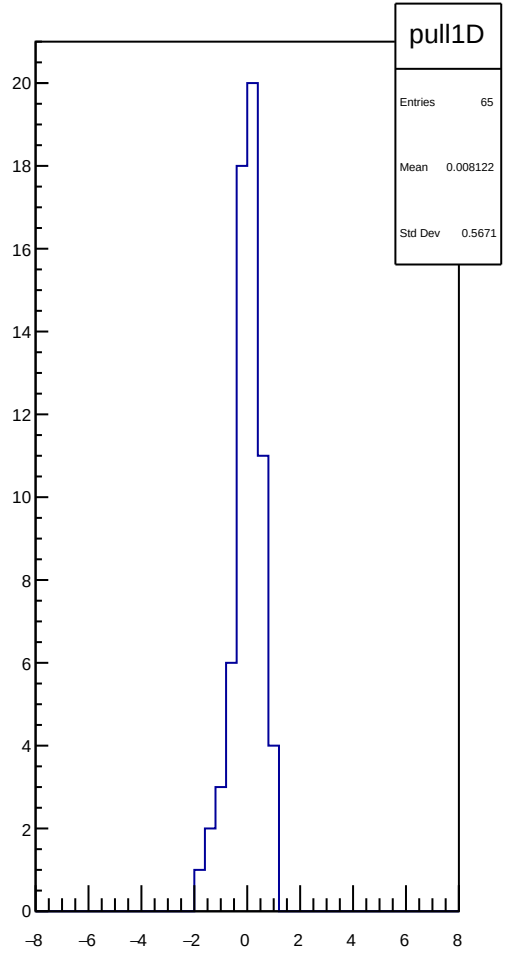

asym_bpm1i04WS_rms vs run
χ² / ndf 4.144e+04 / 64
p0 217.2 ± 0.1925
1200
1000
800
600
400
200

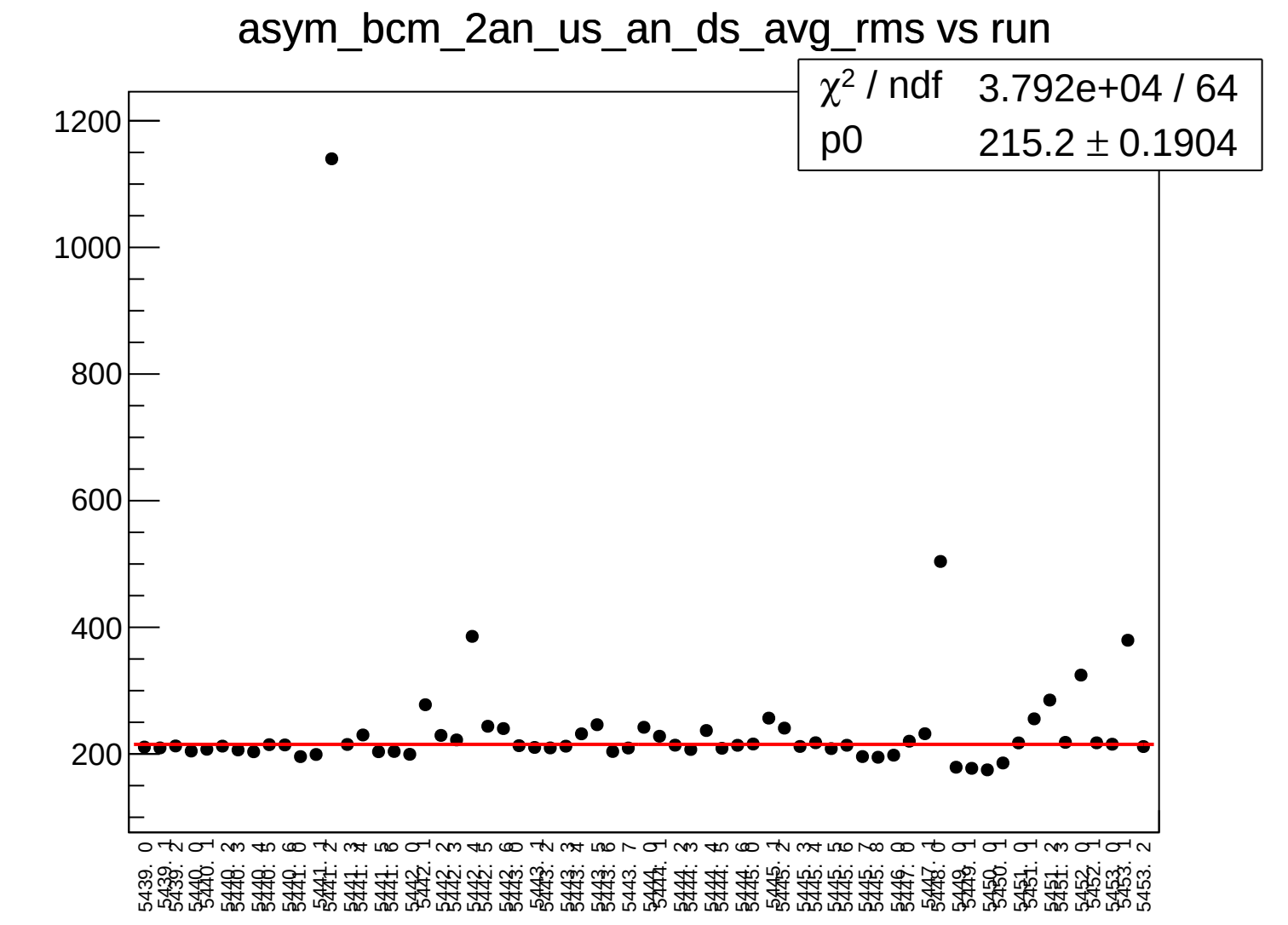

asym_bpm1i06WS_mean vs run
χ² / ndf 198.3 / 64
p0 −8710 ± 311.3
pull
Entries 65
Mean 158.6
Std Dev 0

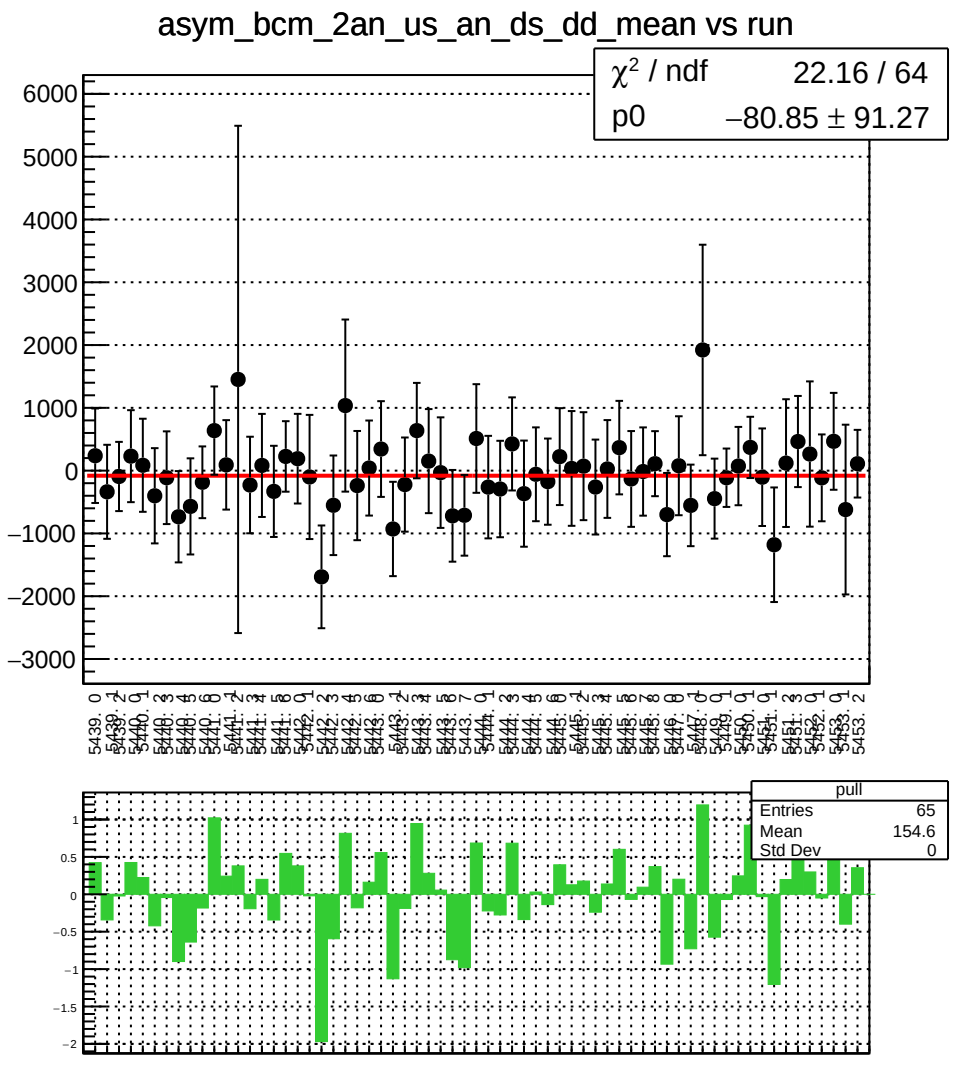

pull1D
Entries 65
Mean 0.06555
Std Dev 1.746

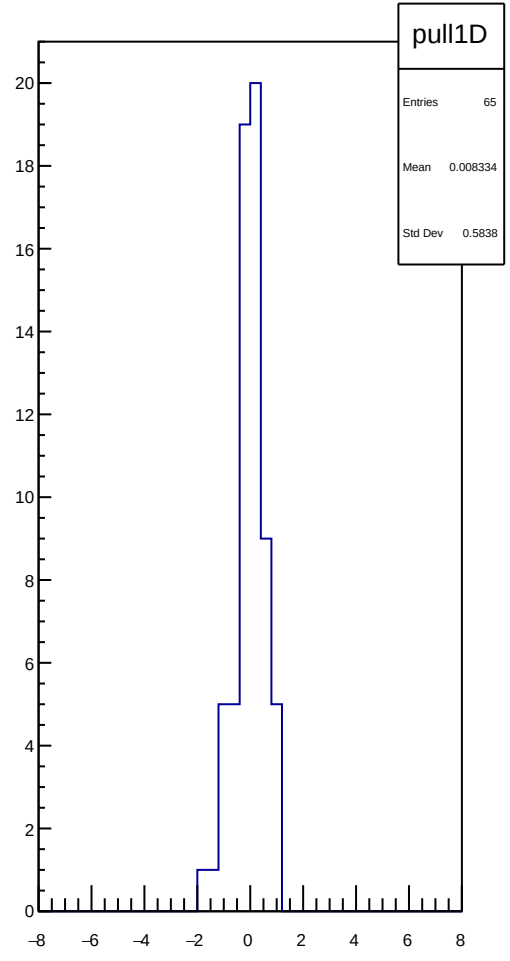

asym_bpm1i06WS_rms vs run
χ² / ndf 3.759e+04 / 64
p0 248.8 ± 0.2201
1200
1000
800
600
400
200

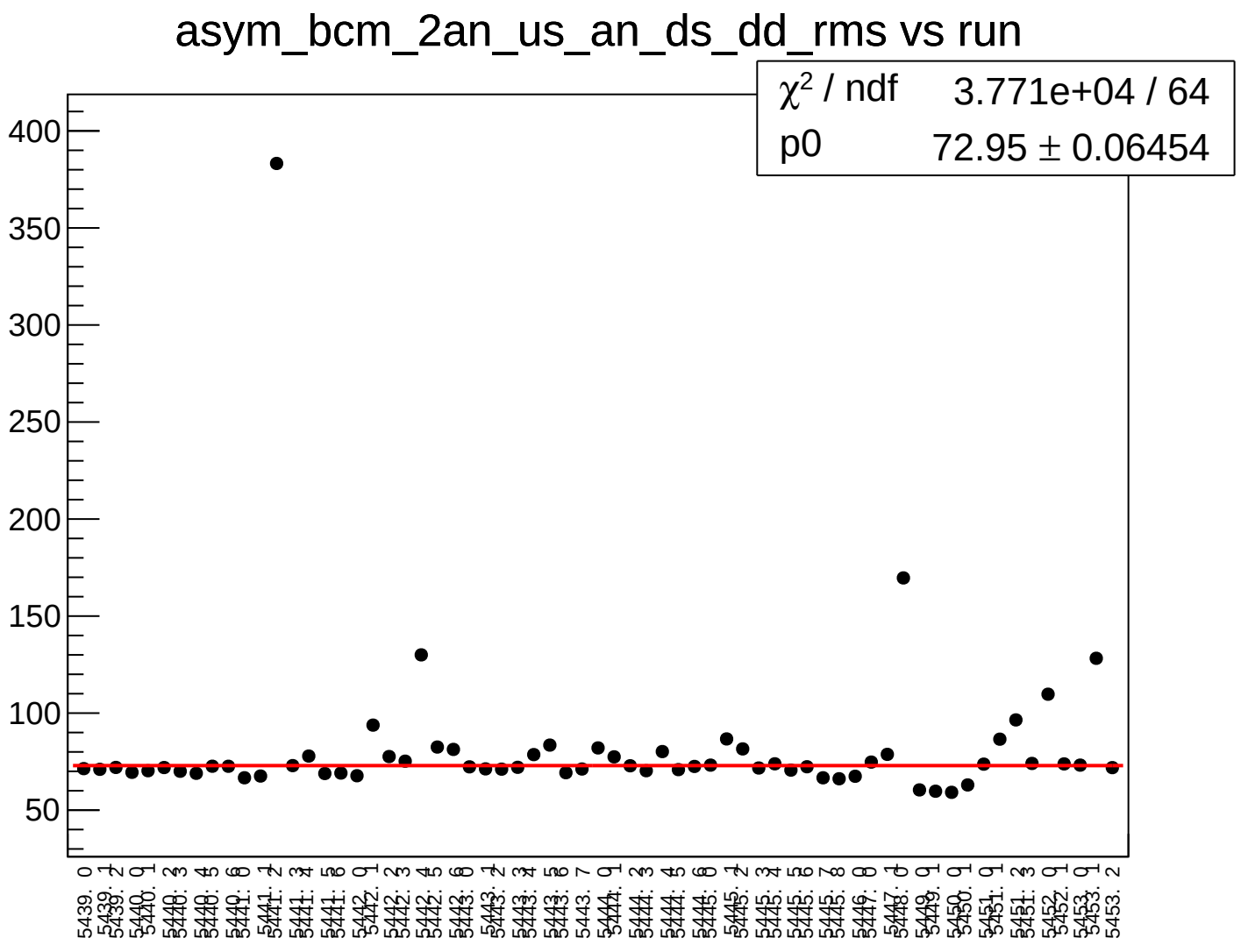

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 20.91 / 64
p0 −241.4 ± 269.2
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 134.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

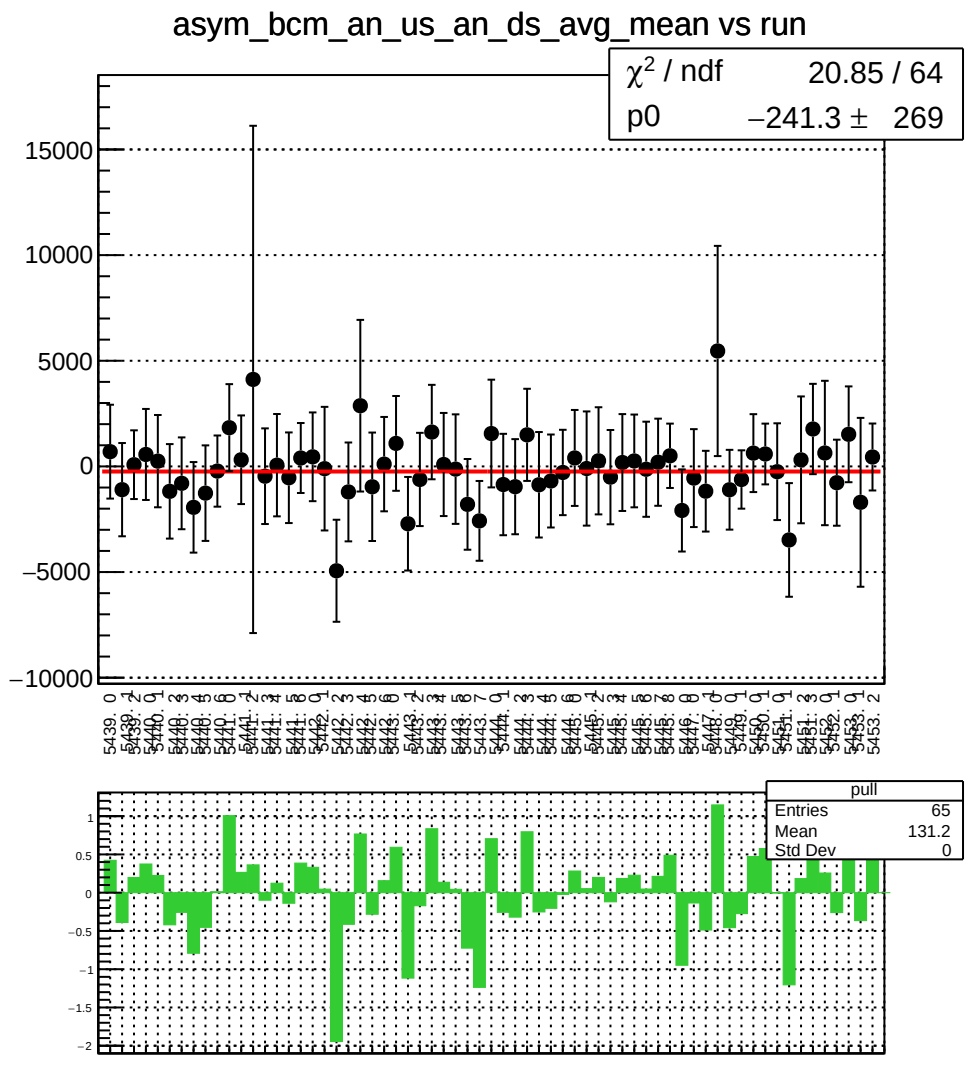

pull1D
Entries 65
Mean 0.008122
Std Dev 0.5671
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

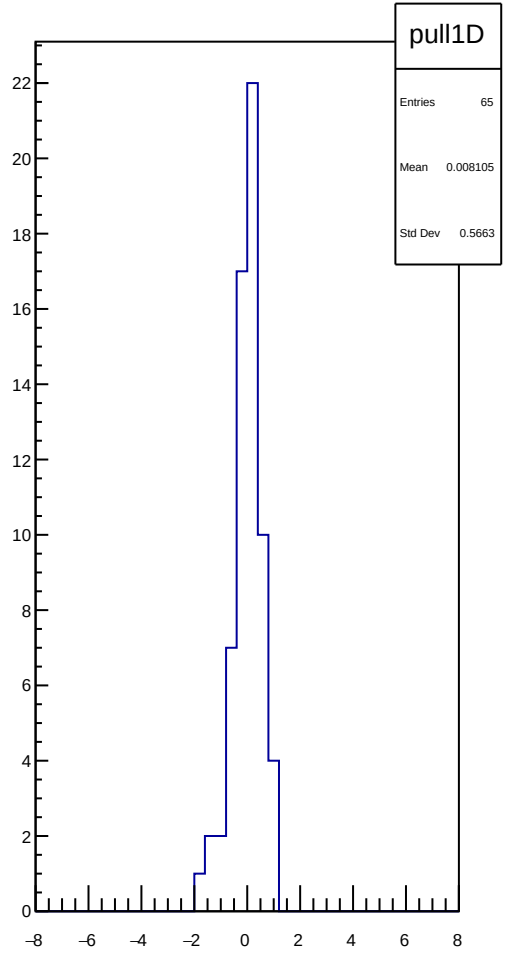

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3.792e+04 / 64
p0 215.2 ± 0.1904
1200
1000
800
600
400
200

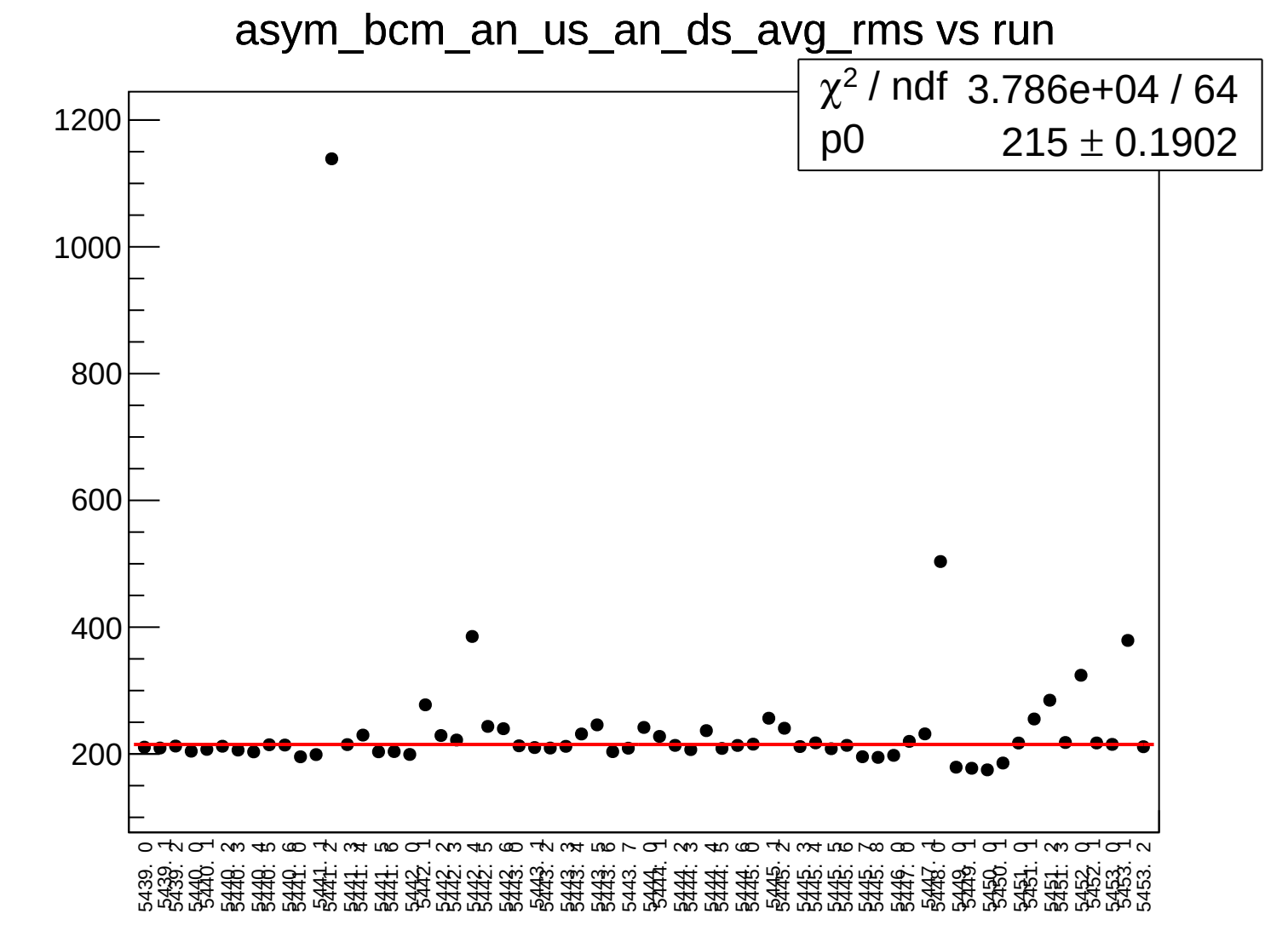

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 22.16 / 64
p0 −80.85 ± 91.27
pull
Entries 65
Mean 154.6
Std Dev 0

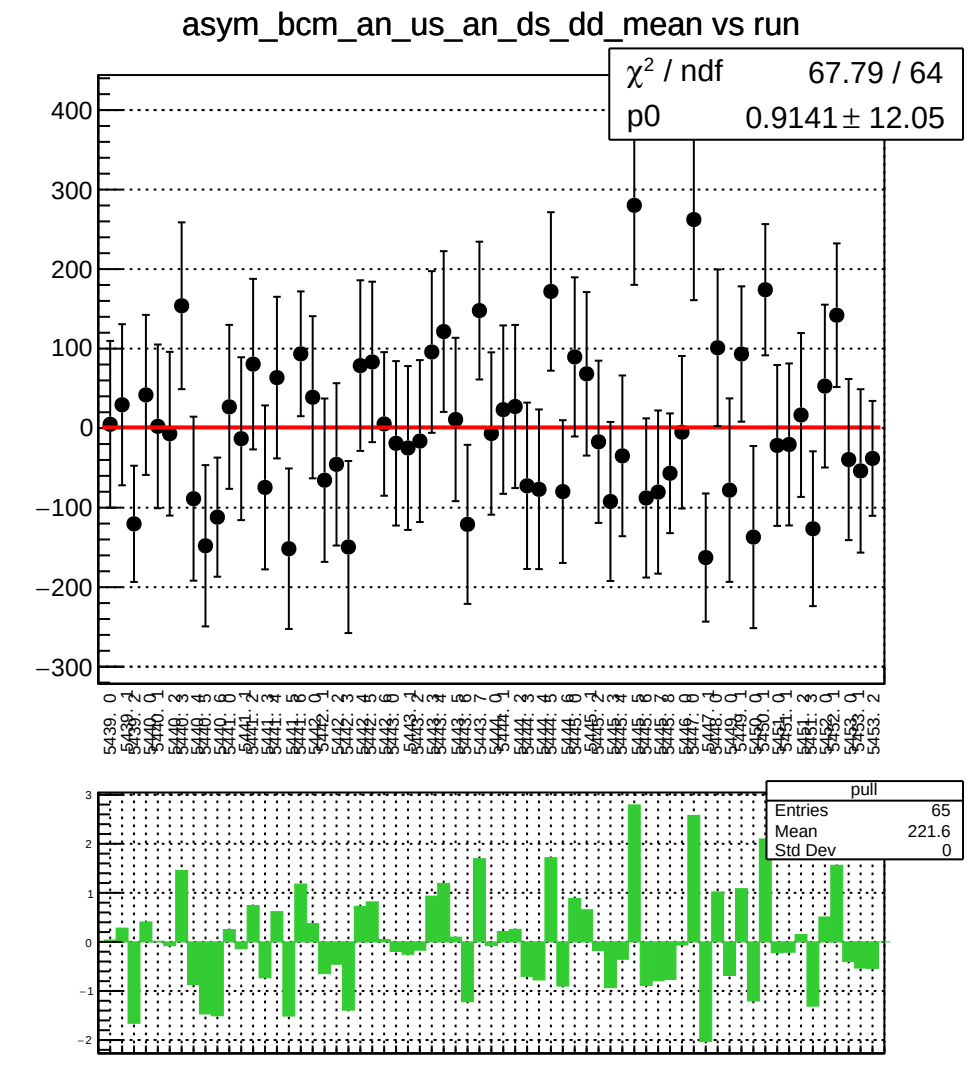

pull1D
Entries 65
Mean 0.008334
Std Dev 0.5838

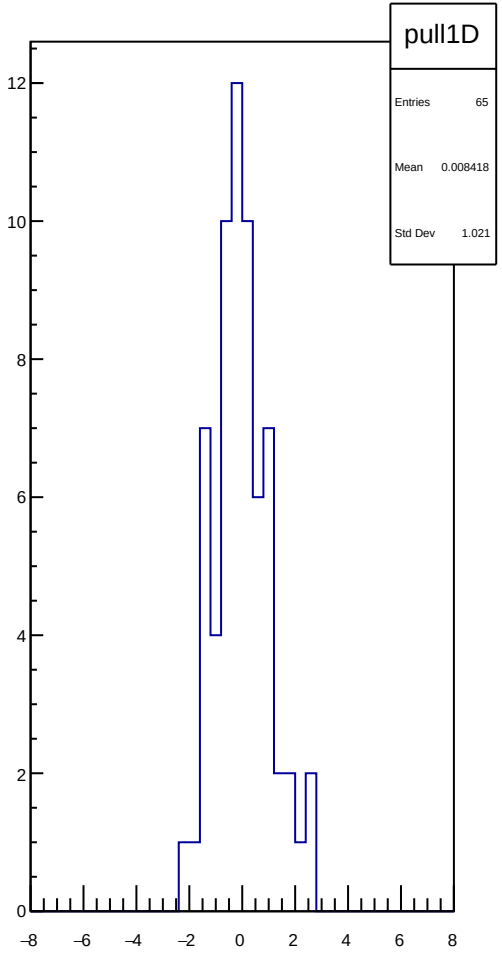

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 3.771e+04 / 64
p0 72.95 ± 0.06454
400
350
300
250
200
150
100
50

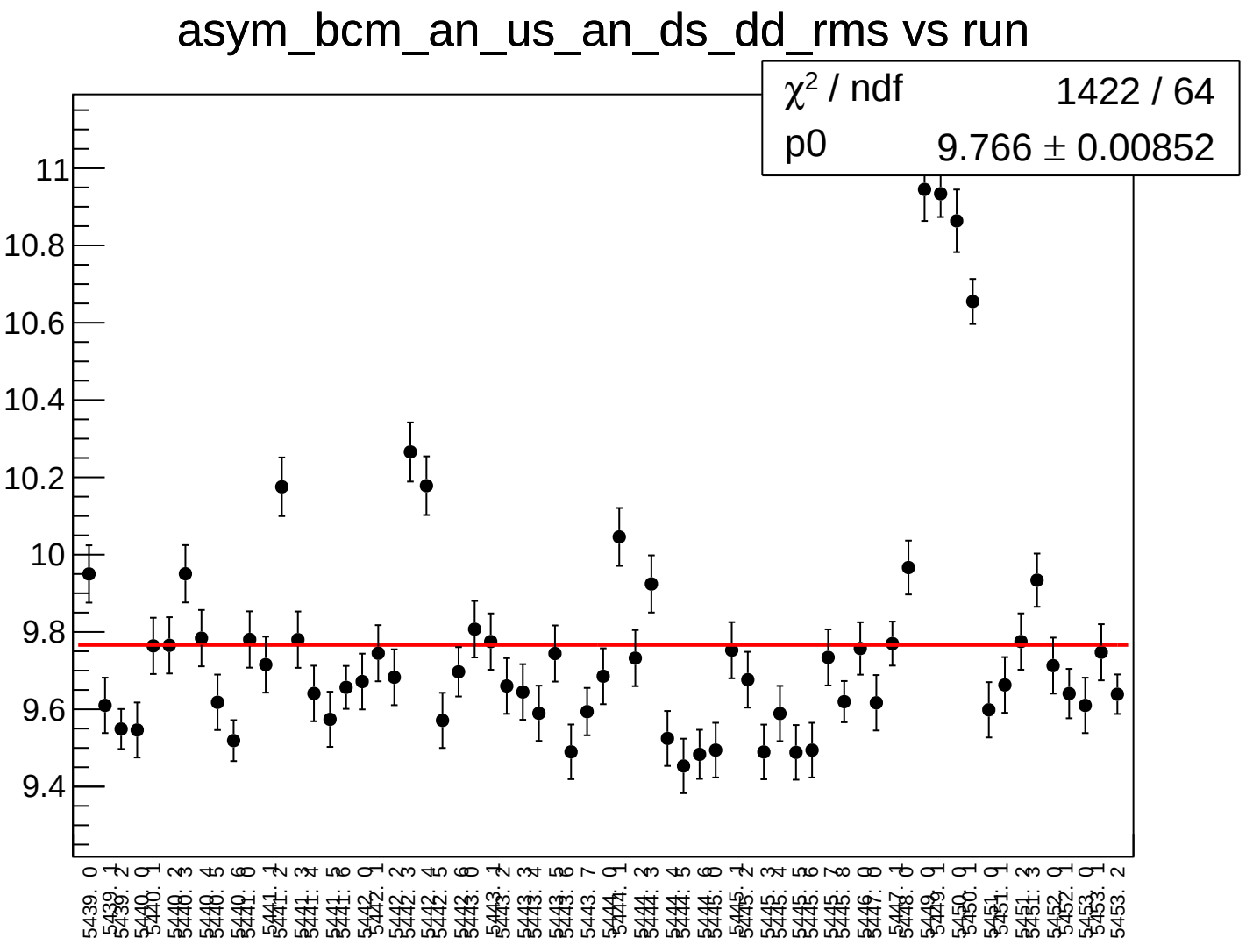

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 20.85 / 64
p0 −241.3 ± 269
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 131.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

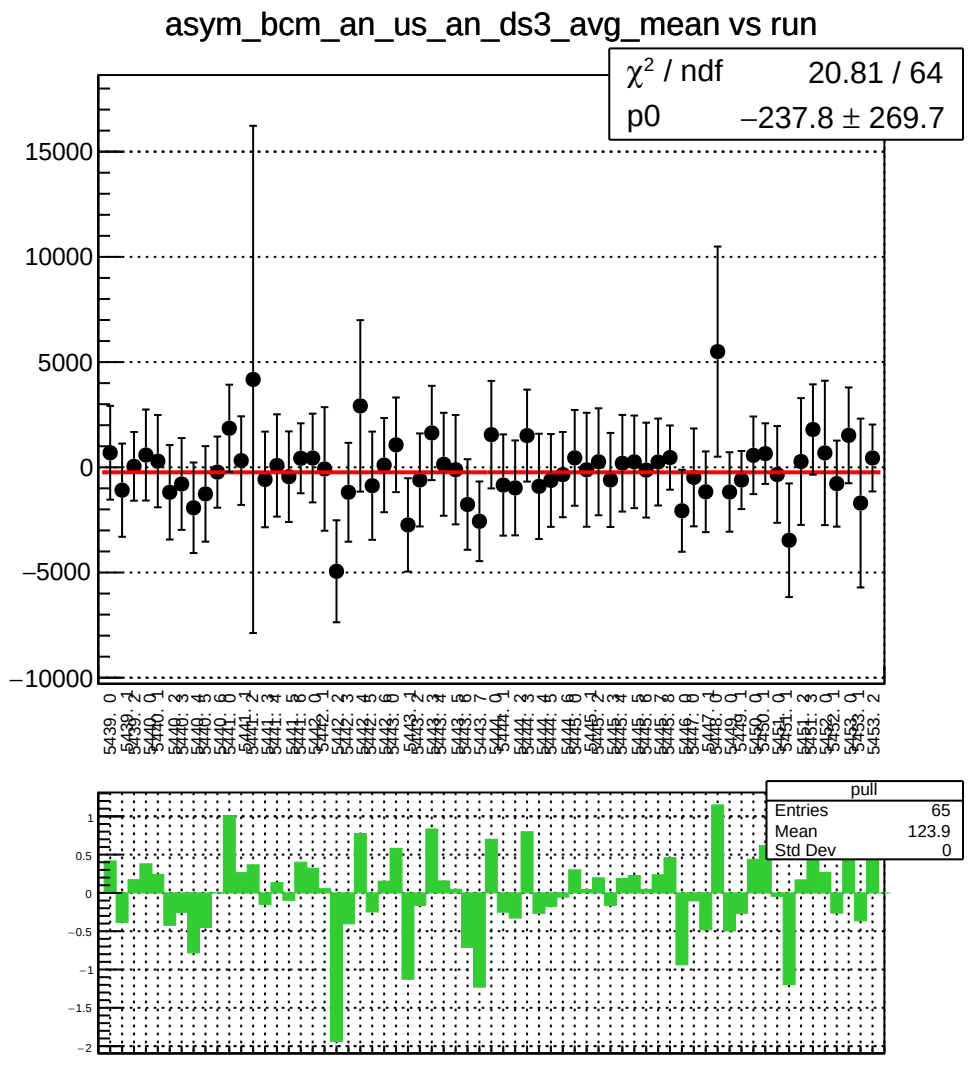

pull1D
Entries 65
Mean 0.008105
Std Dev 0.5663
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

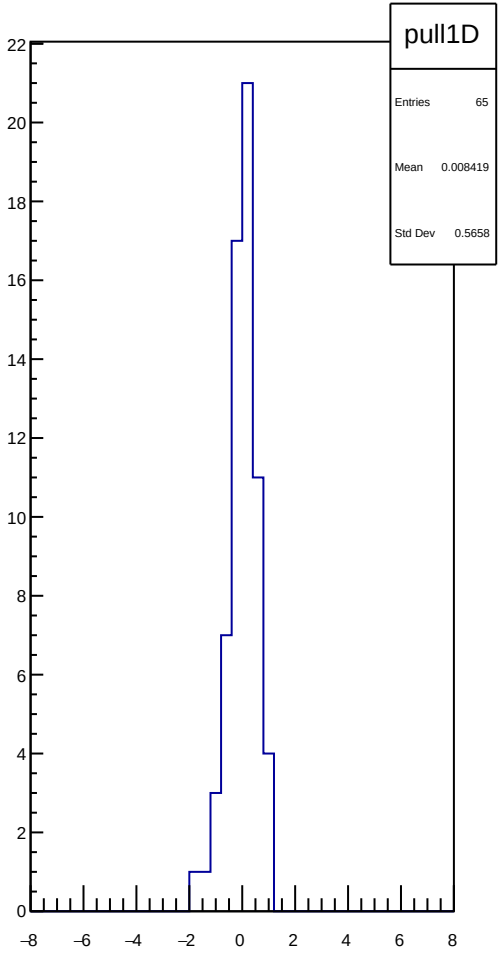

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3.786e+04 / 64
p0 215 ± 0.1902
1200
1000
800
600
400
200

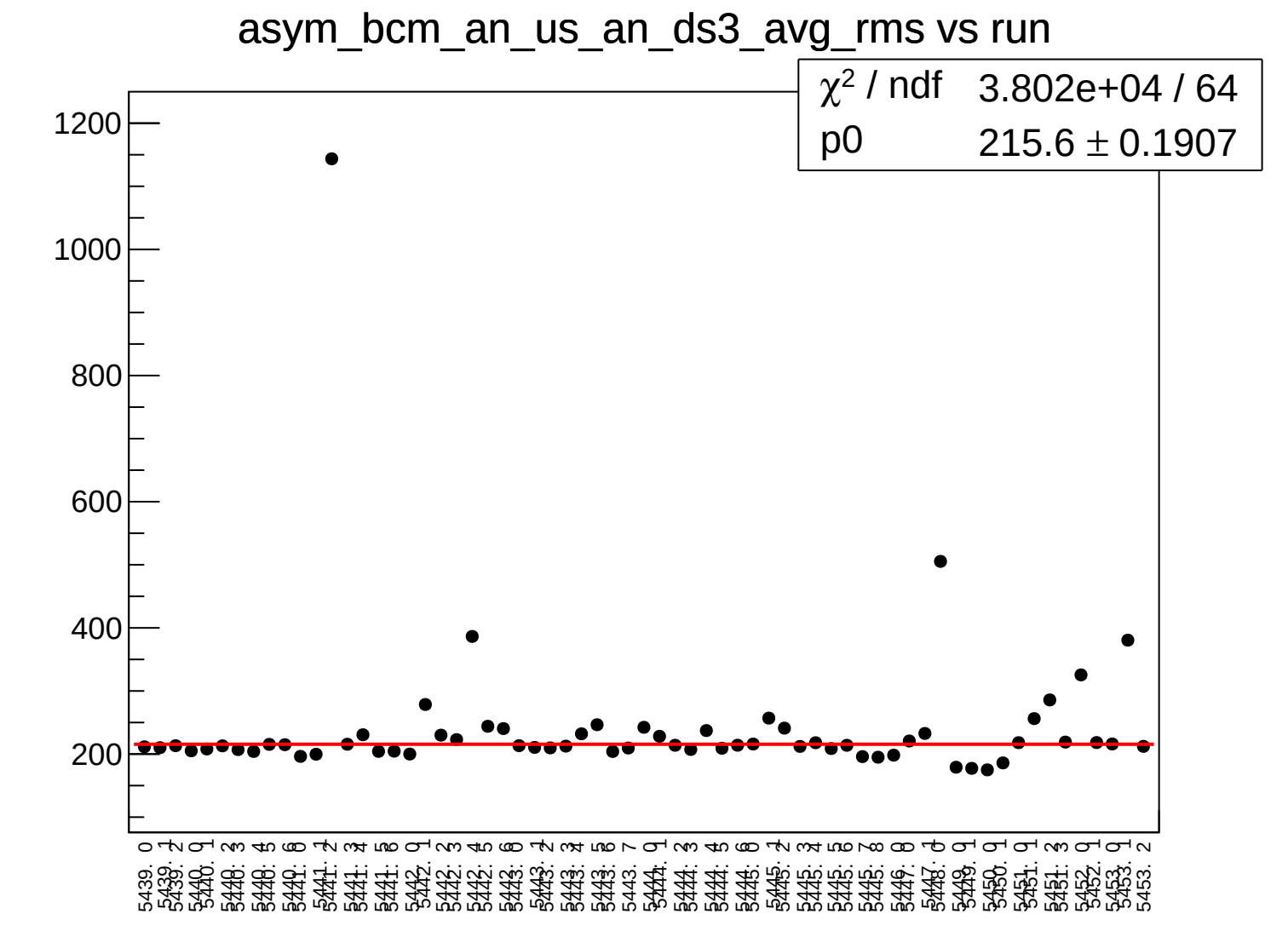

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 67.79 / 64
p0 0.9141 ± 12.05
pull
Entries 65
Mean 221.6
Std Dev 0

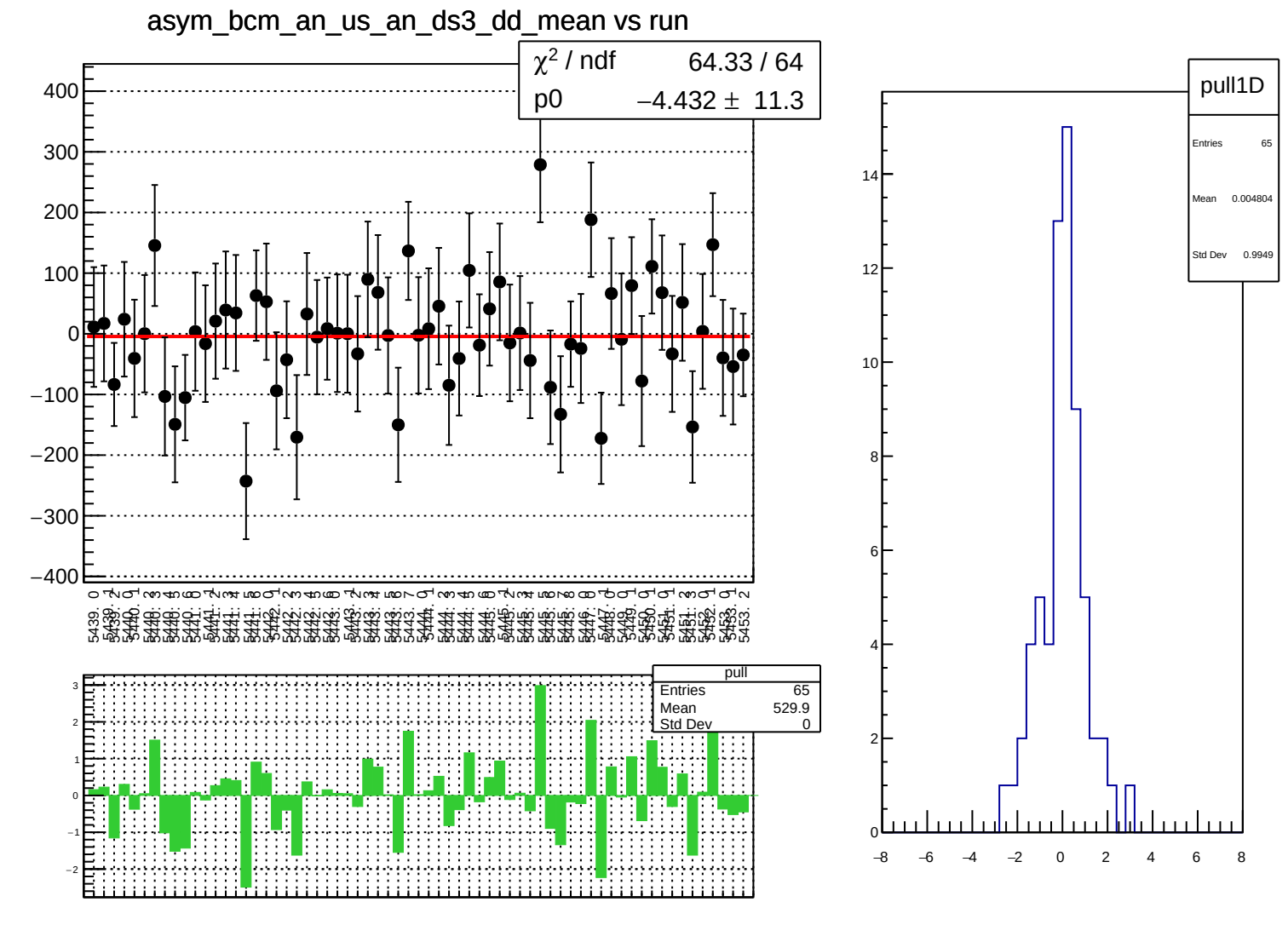

pull1D
Entries 65
Mean 0.008418
Std Dev 1.021

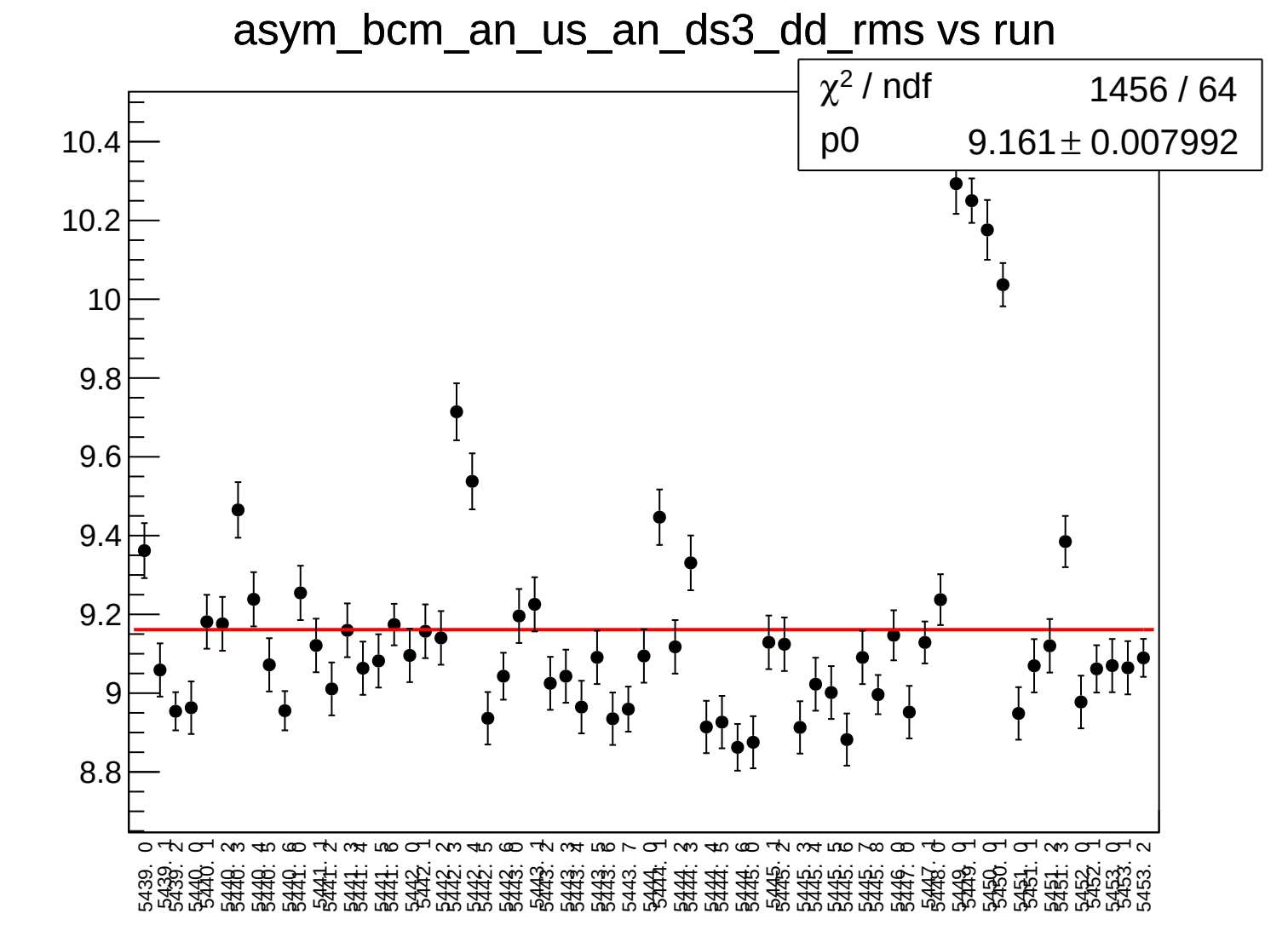

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1422 / 64
p0 9.766 ± 0.00852
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4

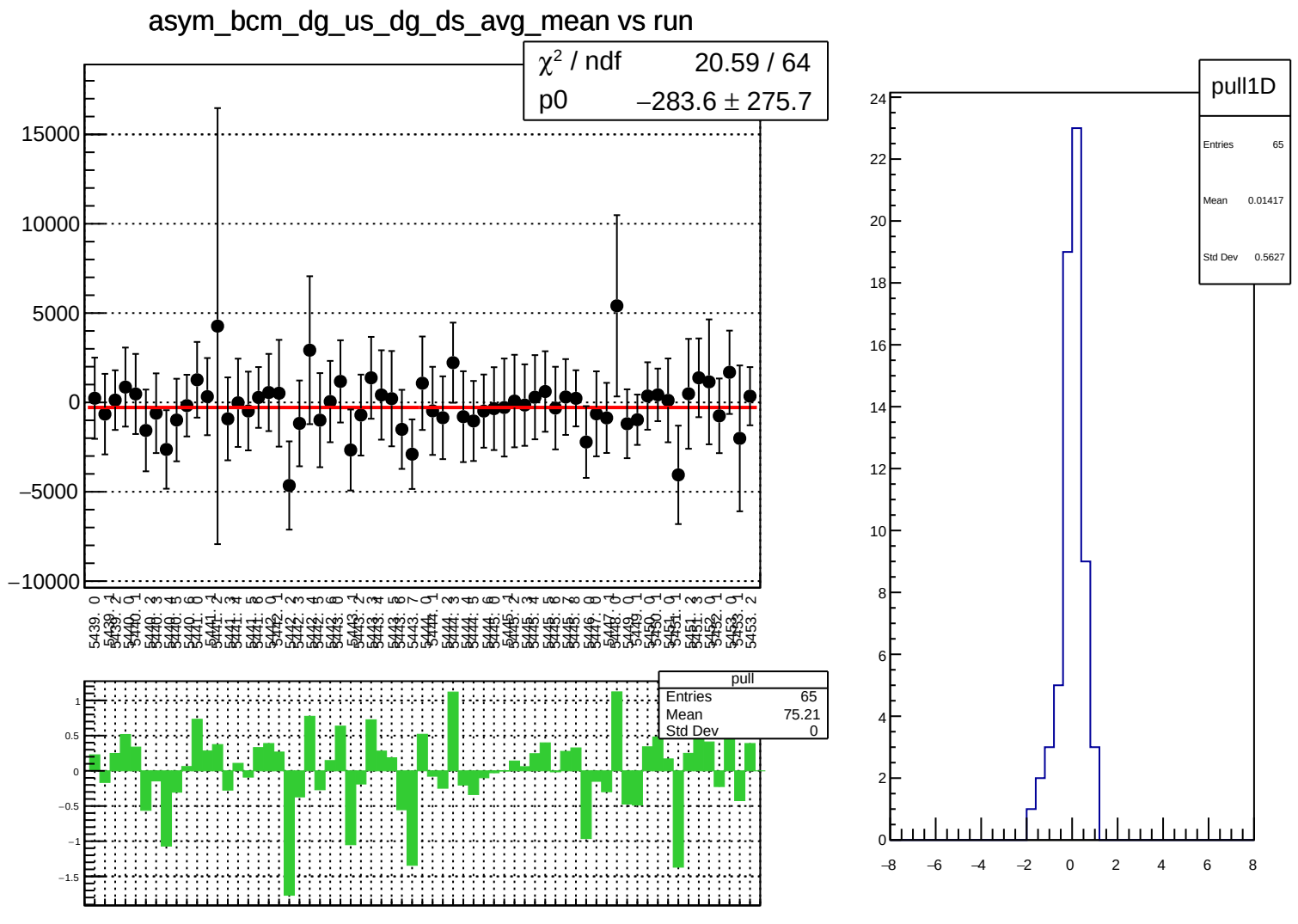

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 20.81 / 64
p0 −237.8 ± 269.7
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 123.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

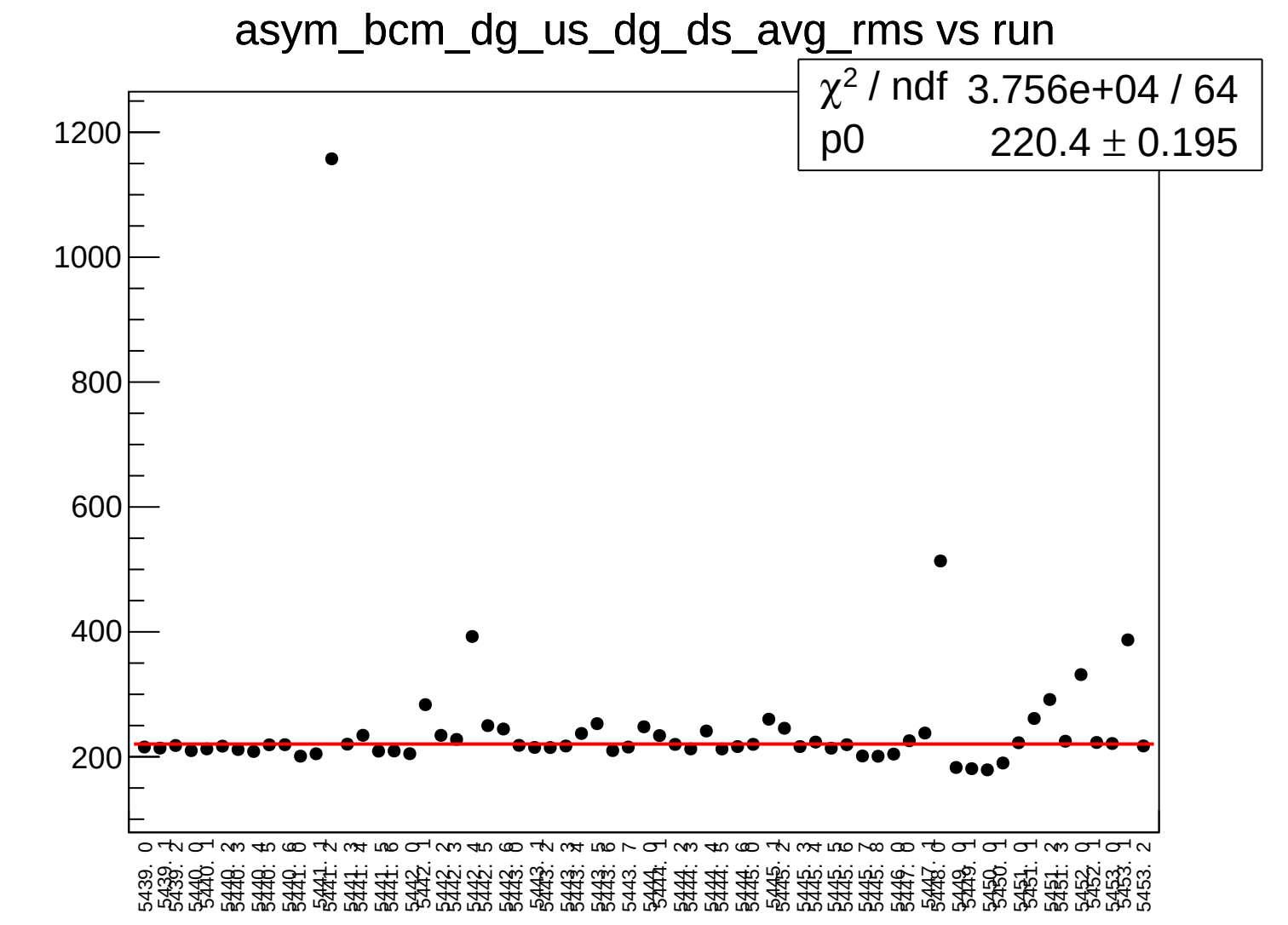

pull1D
Entries 65
Mean 0.008419
Std Dev 0.5658
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

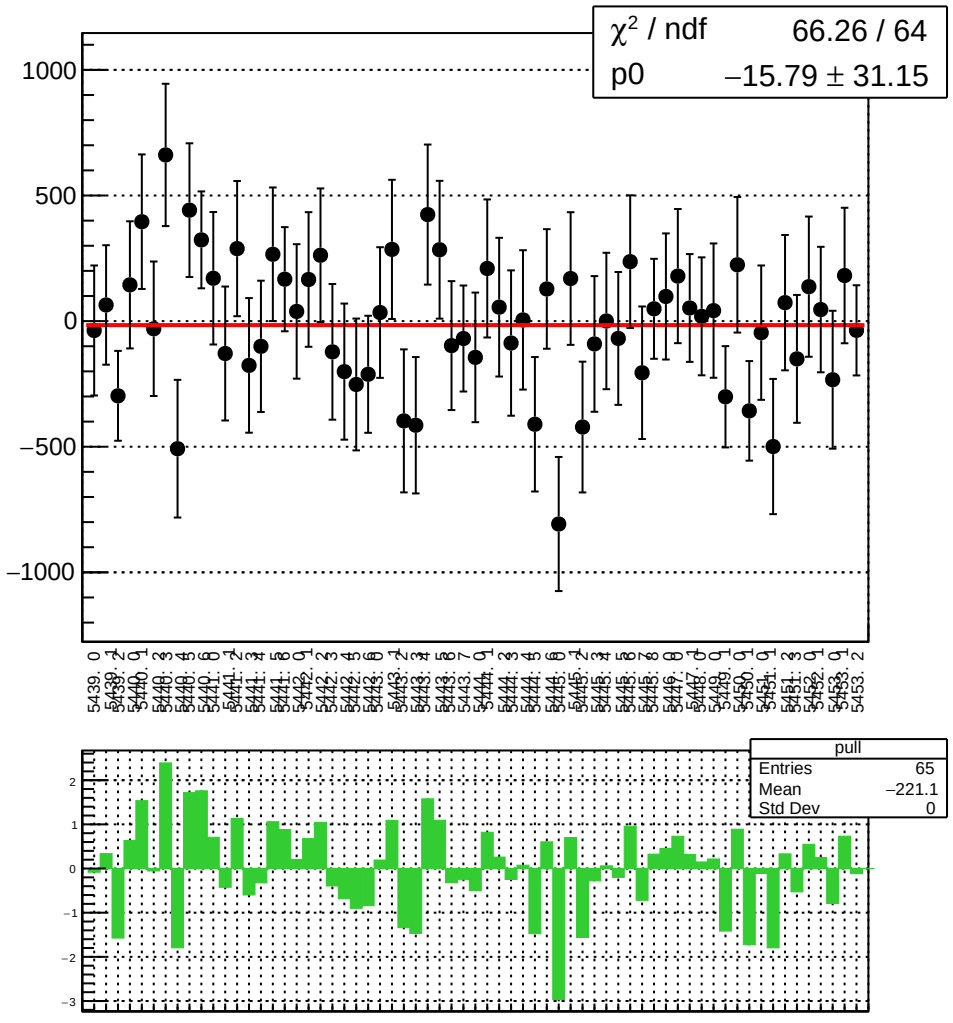

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3.802e+04 / 64
p0 215.6 ± 0.1907
1200
1000
800
600
400
200

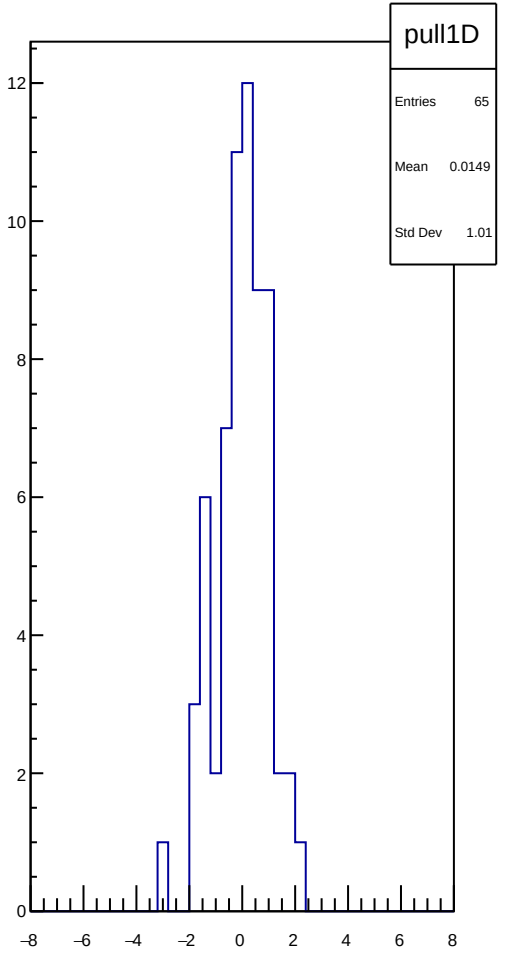

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 64.33 / 64
p0 −4.432 ± 11.3
pull
Entries 65
Mean 529.9
Std Dev 0
pull1D
Entries 65
Mean 0.004804
Std Dev 0.9949

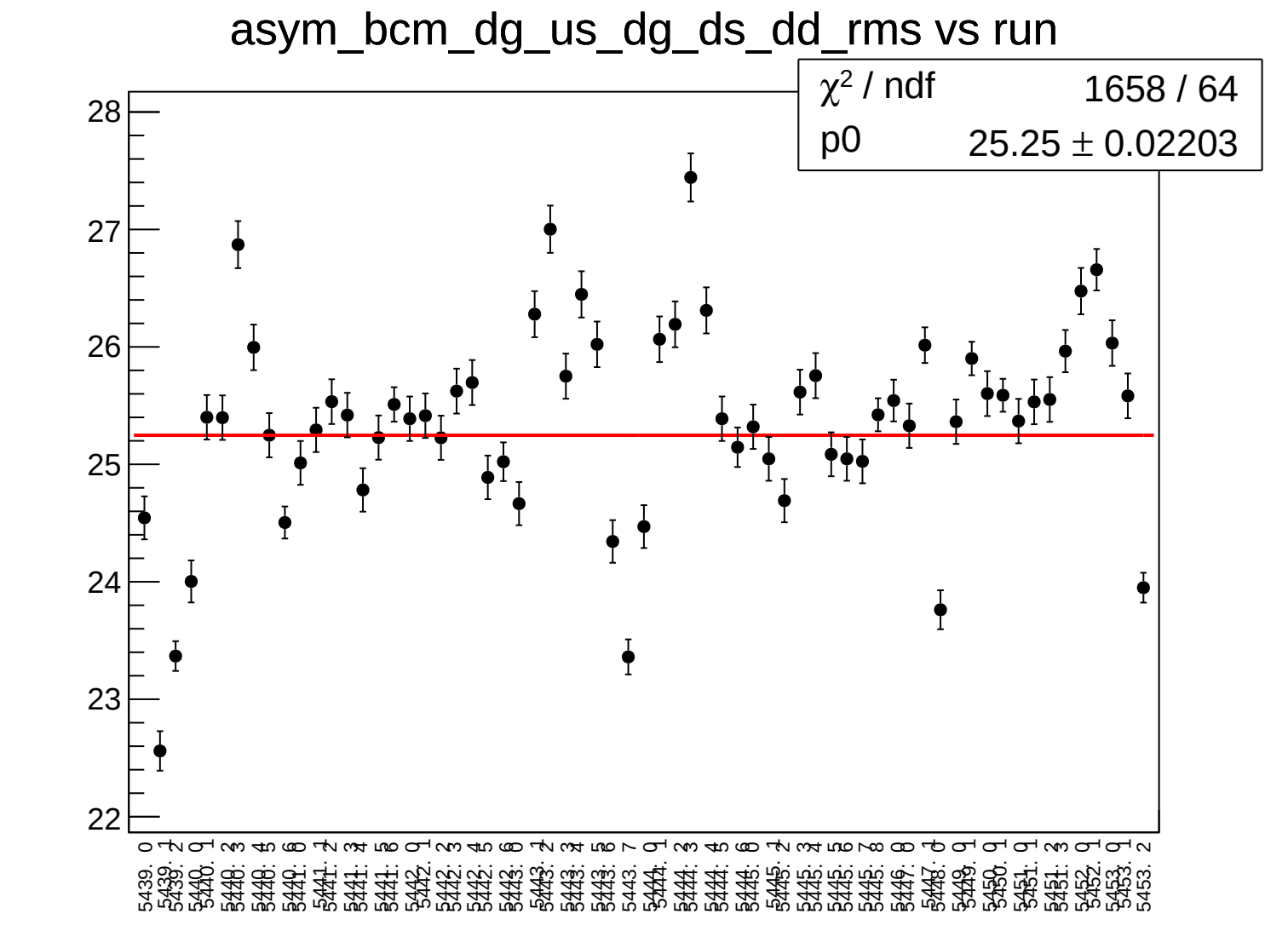

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1456 / 64
p0 9.161 ± 0.007992
10.4
10.2
10
9.8
9.6
9.4
9.2
9
8.8

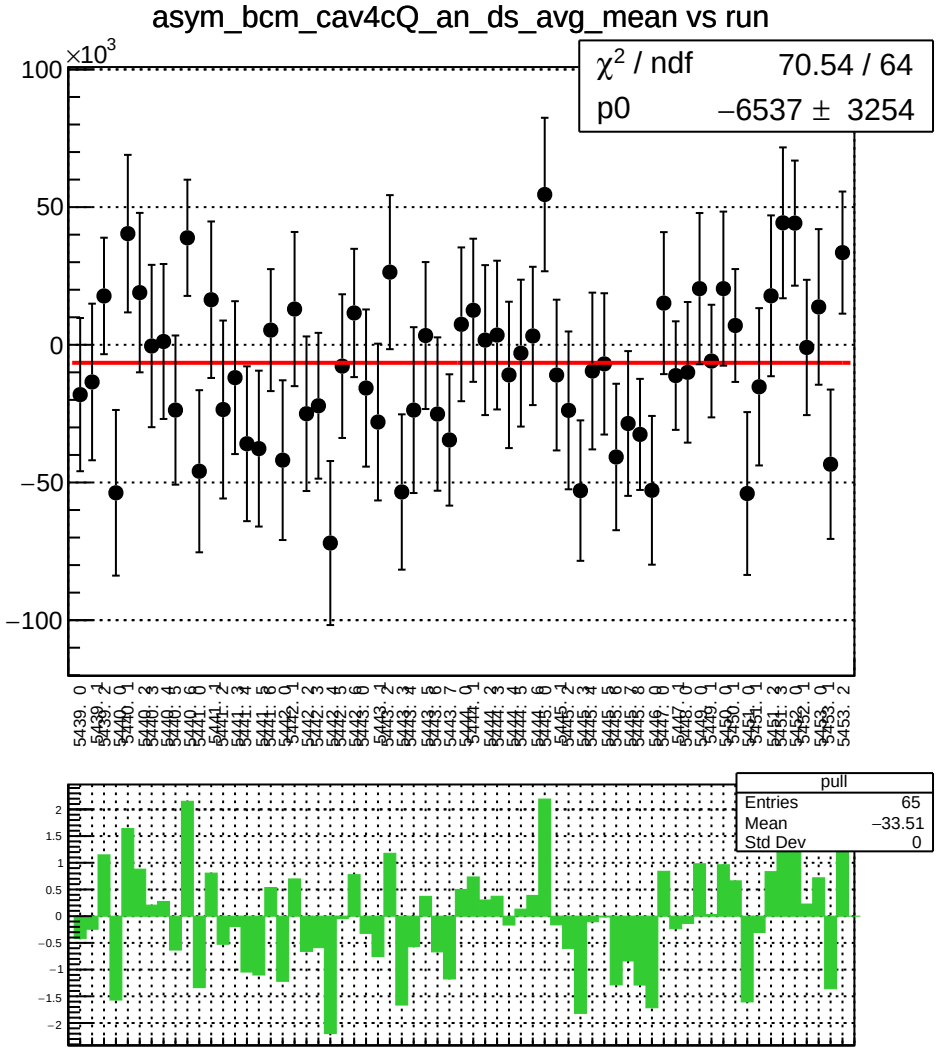

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 20.59 / 64
p0 −283.6 ± 275.7
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 75.21
Std Dev 0
pull1D
Entries 65
Mean 0.01417
Std Dev 0.5627

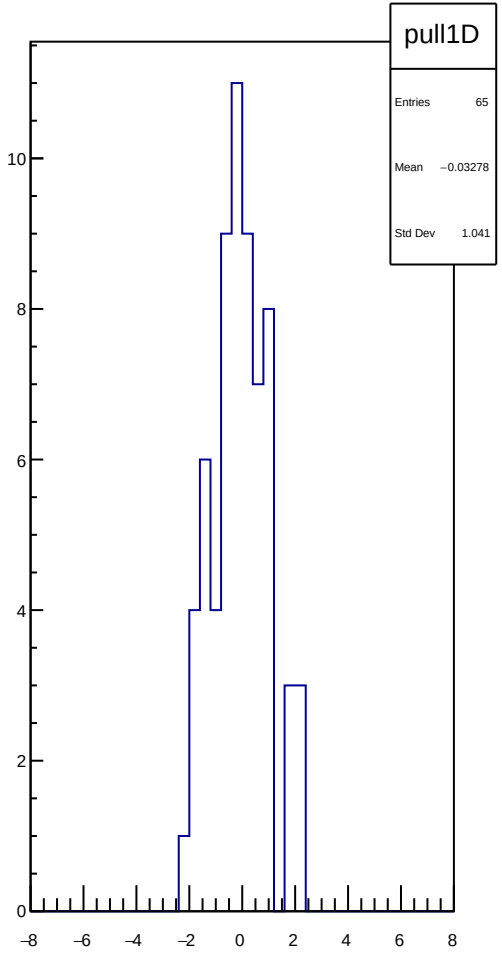

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 3.756e+04 / 64
p0 220.4 ± 0.195
1200
1000
800
600
400
200

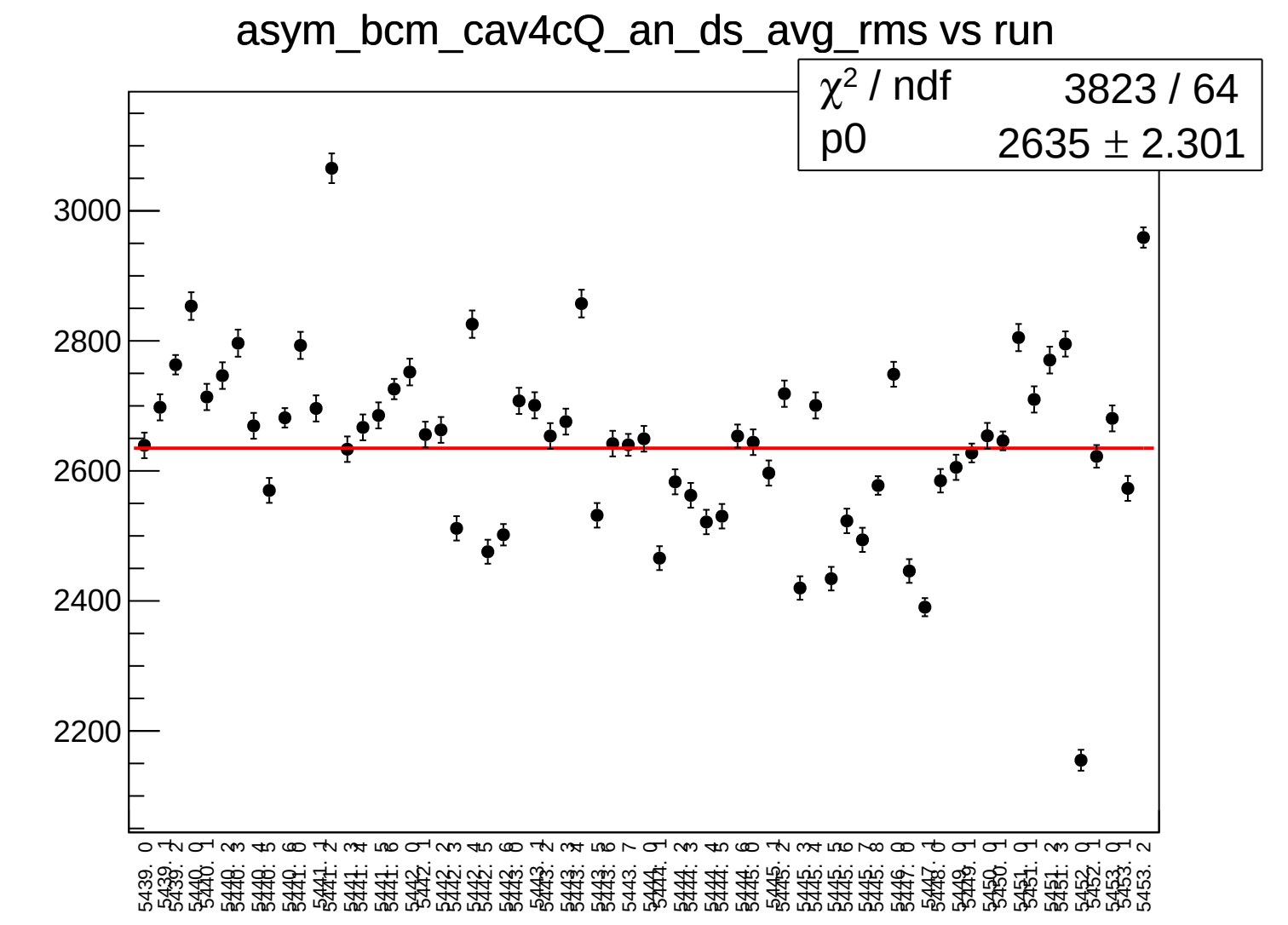

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 66.26 / 64
p0 −15.79 ± 31.15
1000
500
0
−500
−1000
pull
Entries 65
Mean −221.1
Std Dev 0
2
1
0
−1
−2
−3

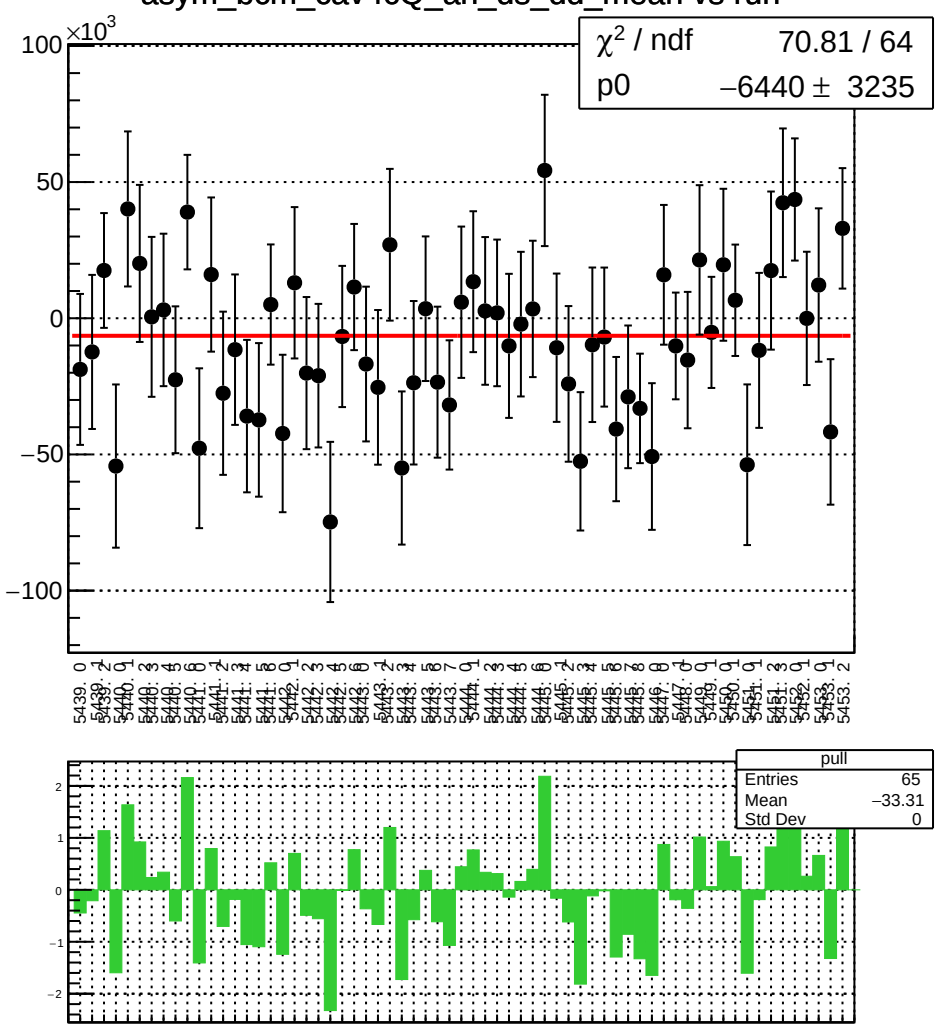

pull1D
Entries 65
Mean 0.0149
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

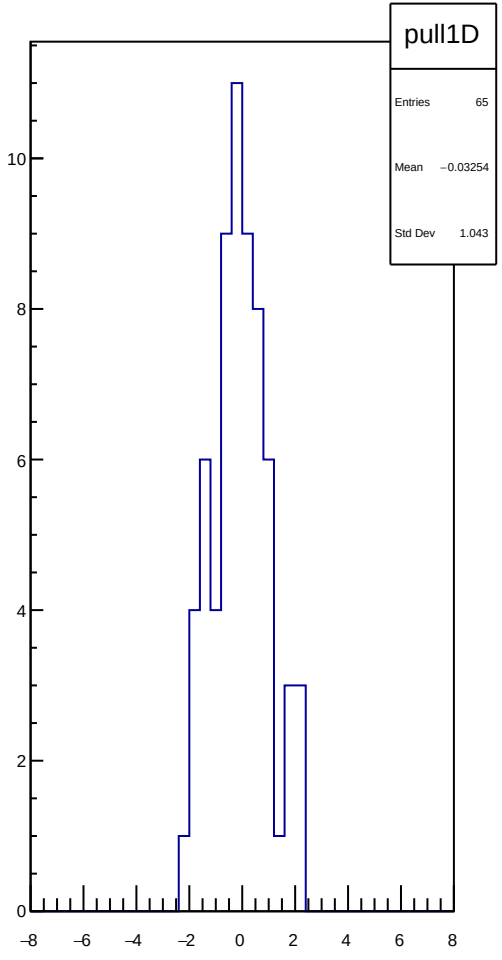

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1658 / 64
p0 25.25 ± 0.02203
28
27
26
25
24
23
22

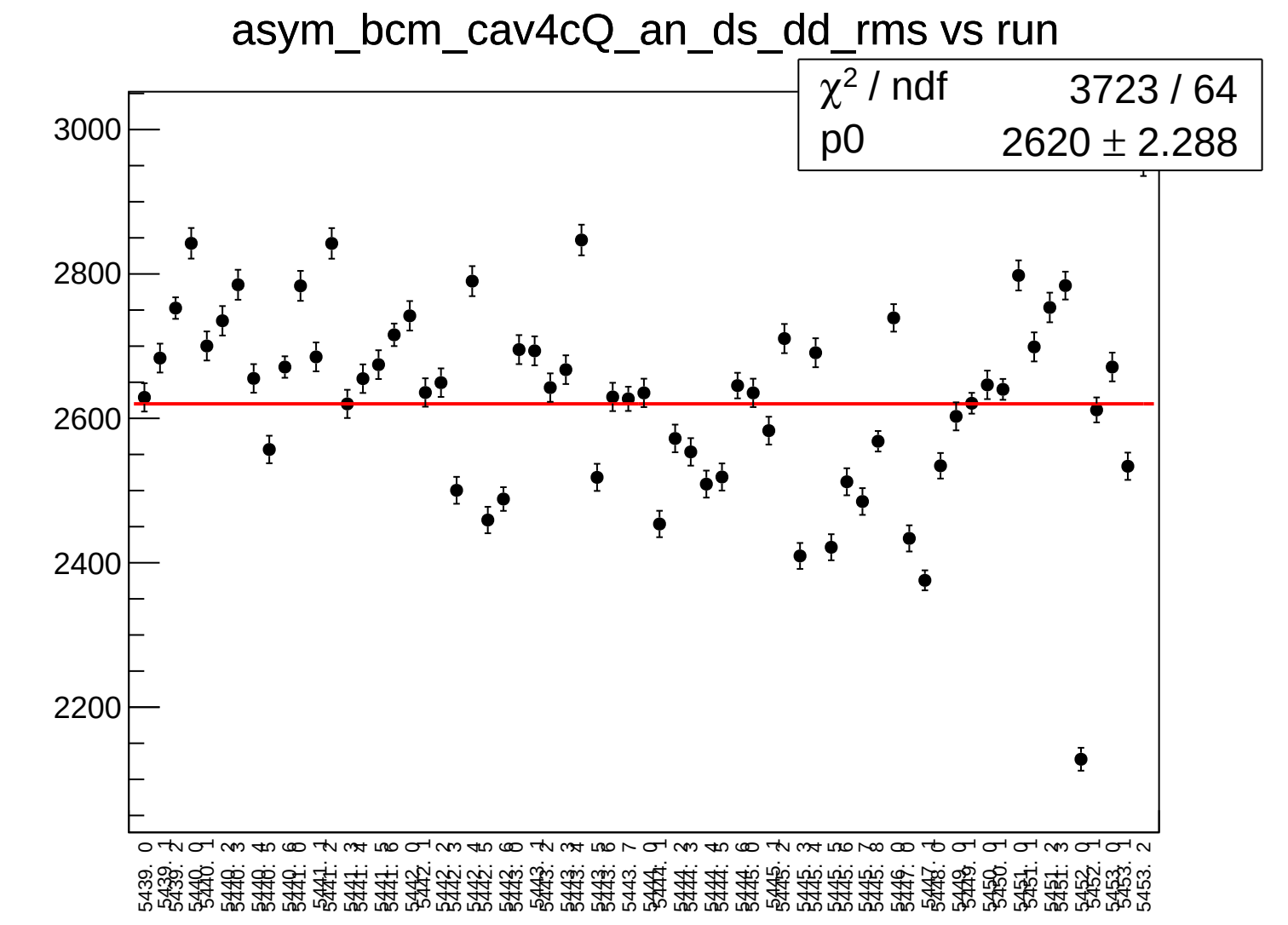

asym_bcm_cav4cQ_an_ds_avg_mean vs run
×10^3
χ² / ndf 70.54 / 64
p0 −6537 ± 3254
pull
Entries 65
Mean −33.51
Std Dev 0

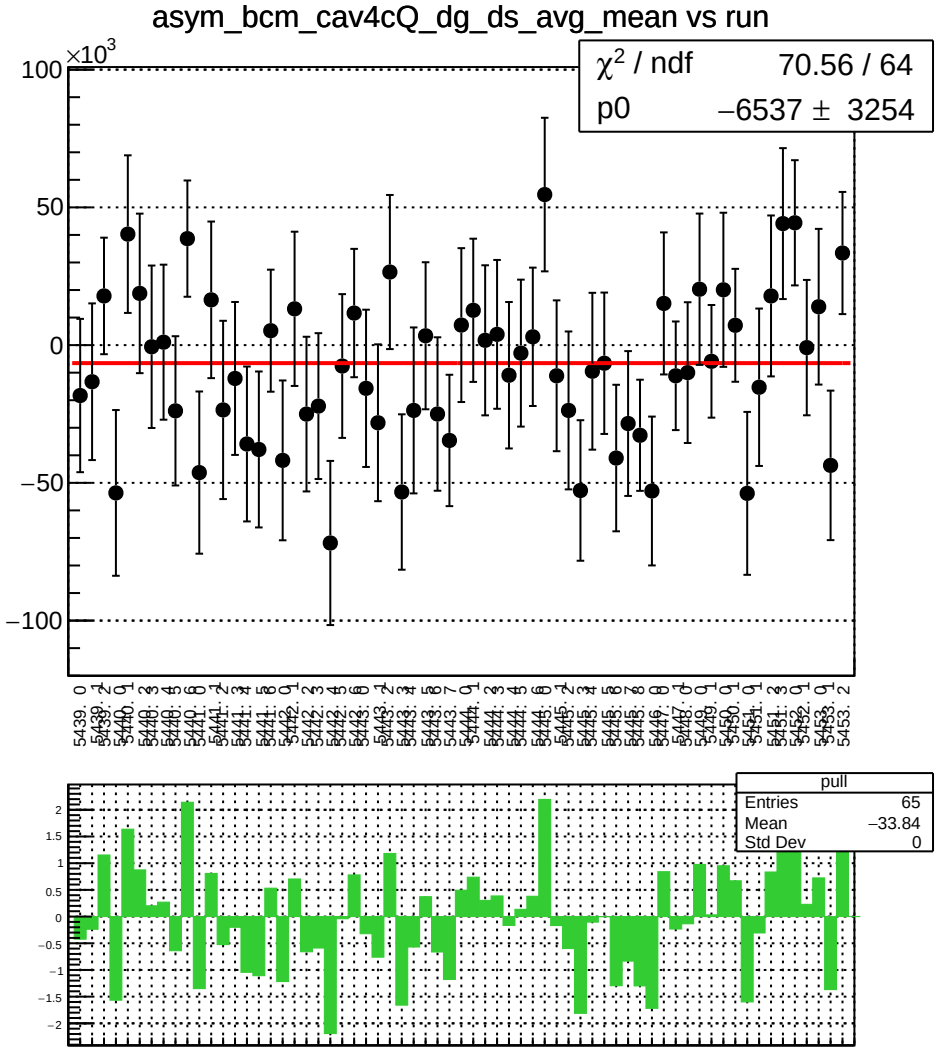

pull1D
Entries 65
Mean −0.03278
Std Dev 1.041

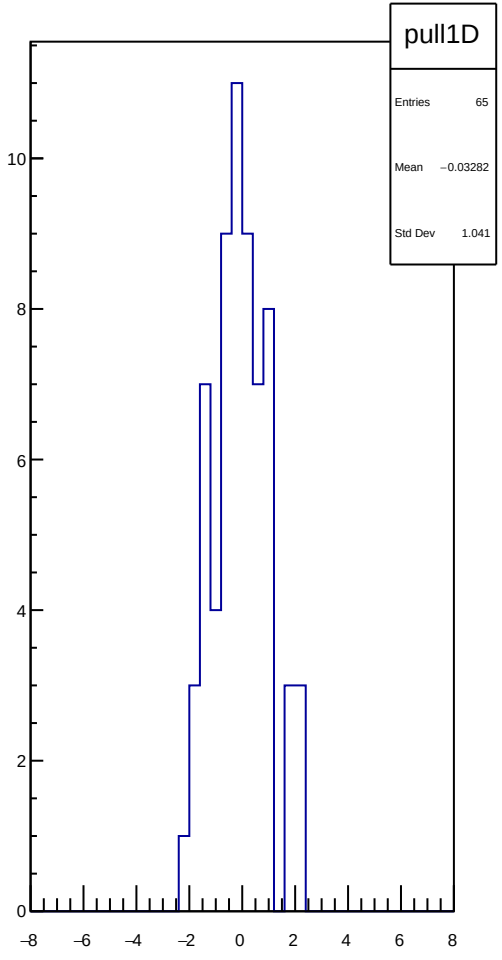

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 3823 / 64
p0 2635 ± 2.301
3000
2800
2600
2400
2200

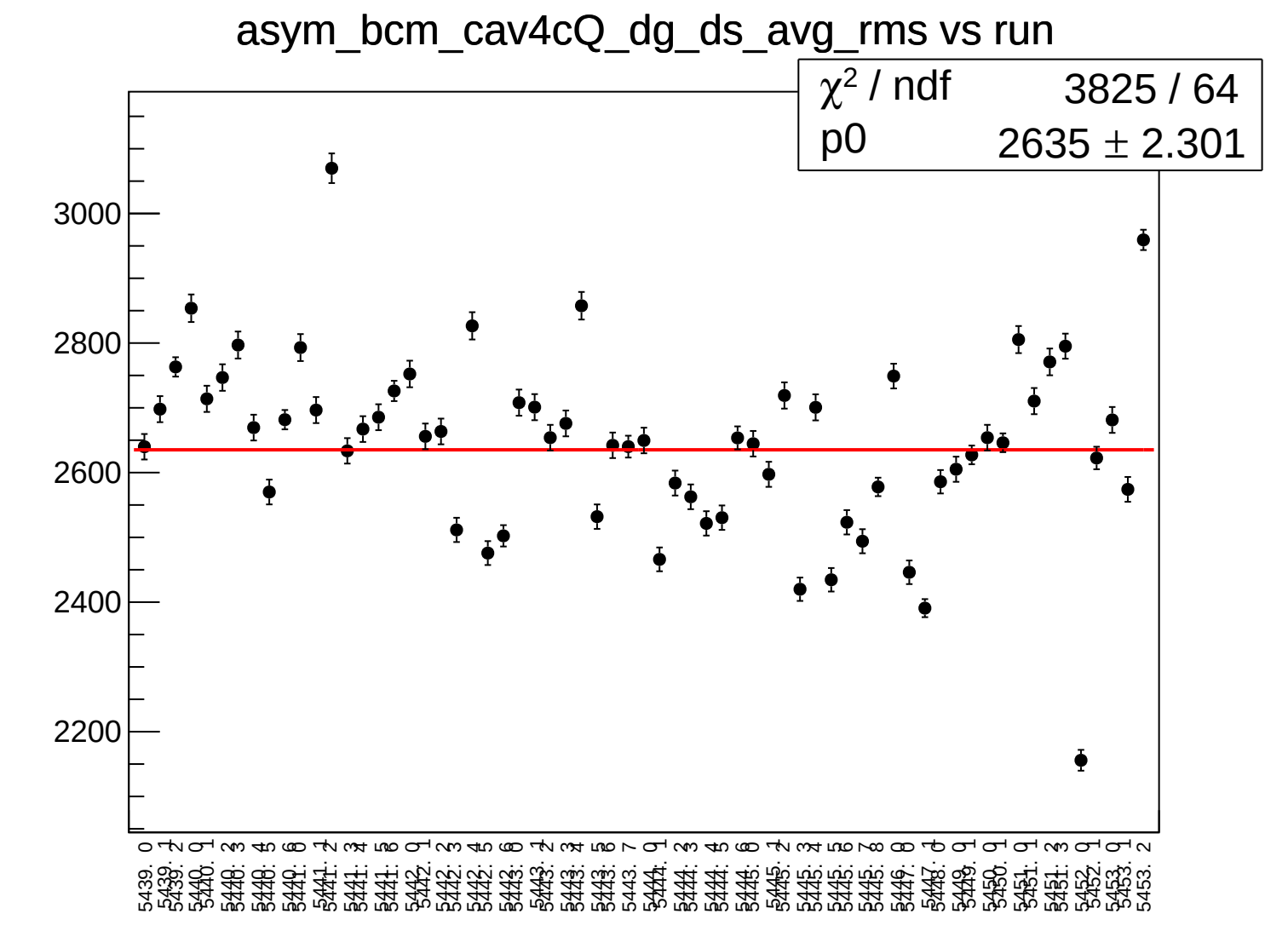

asym_bcm_cav4cQ_an_ds_dd_mean vs run
×10^3
χ² / ndf 70.81 / 64
p0 −6440 ± 3235
pull
Entries 65
Mean −33.31
Std Dev 0

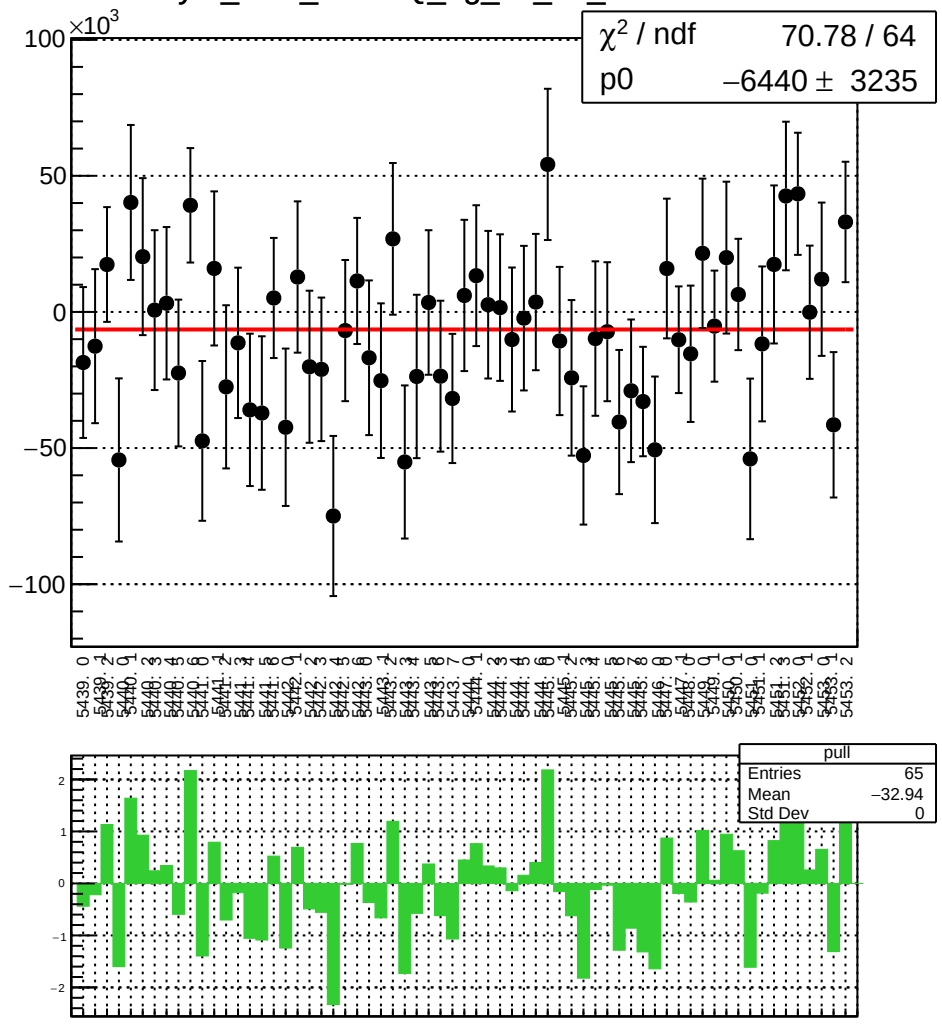

pull1D
Entries 65
Mean −0.03254
Std Dev 1.043

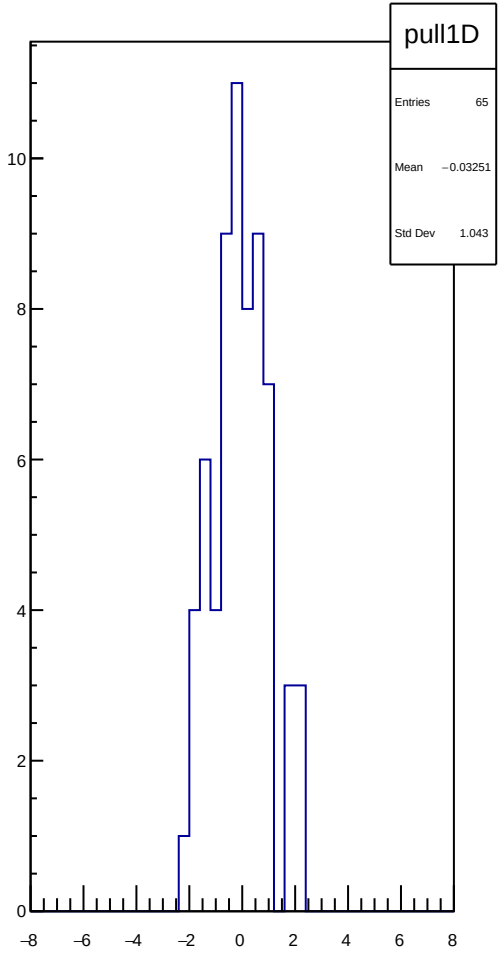

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 3723 / 64
p0 2620 ± 2.288
3000
2800
2600
2400
2200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

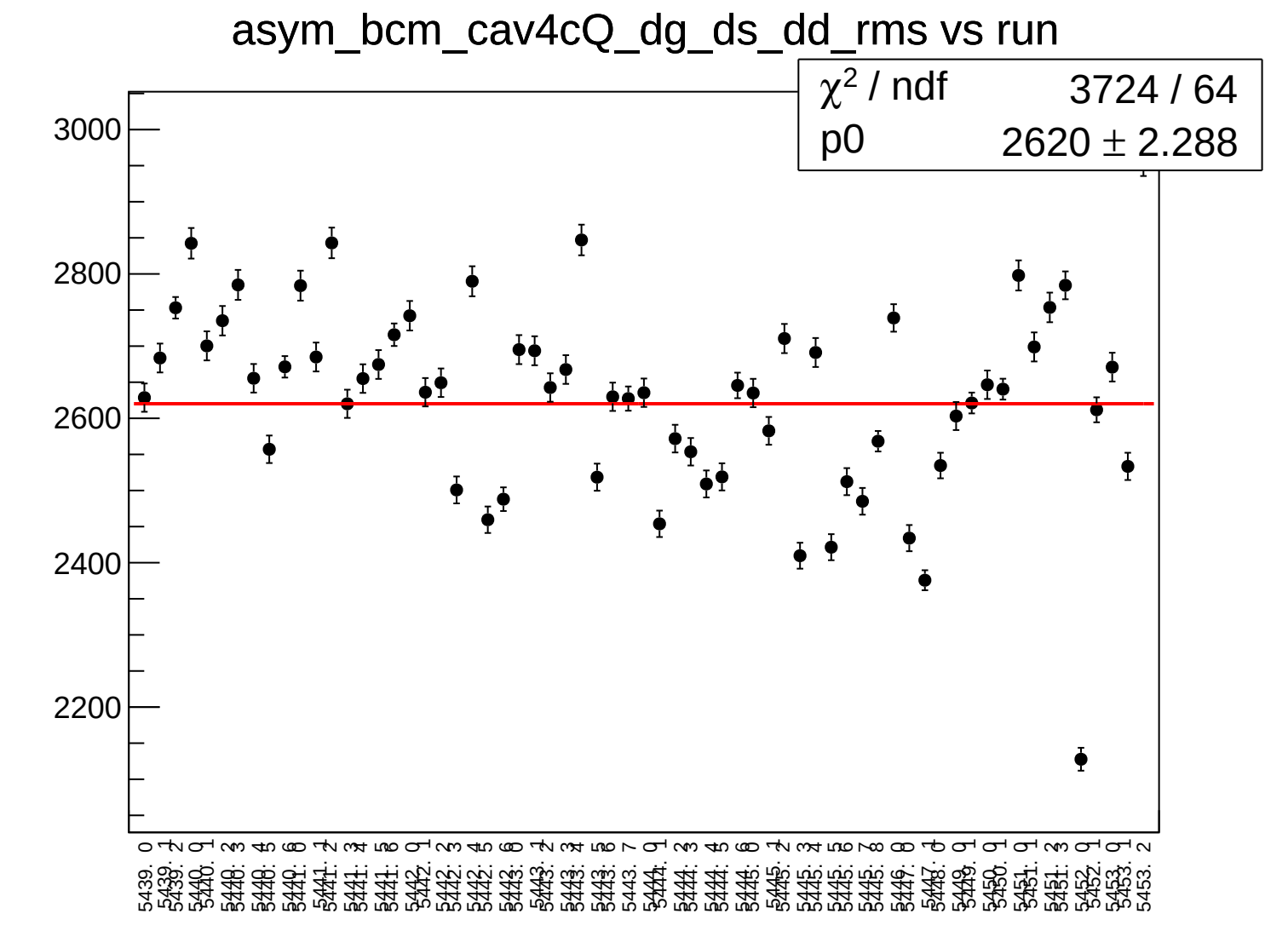

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
×10^3
χ² / ndf 70.56 / 64
p0 −6537 ± 3254
pull
Entries 65
Mean −33.84
Std Dev 0

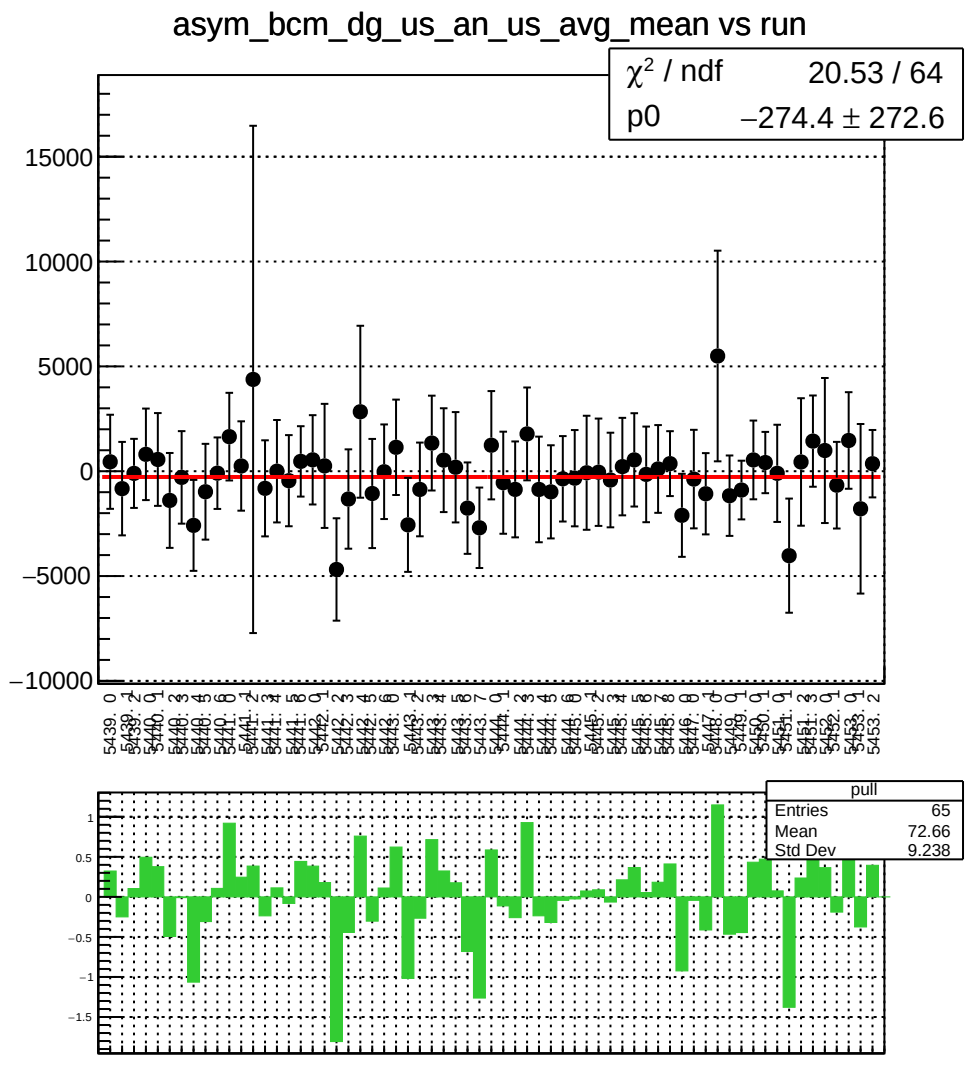

pull1D
Entries 65
Mean −0.03282
Std Dev 1.041

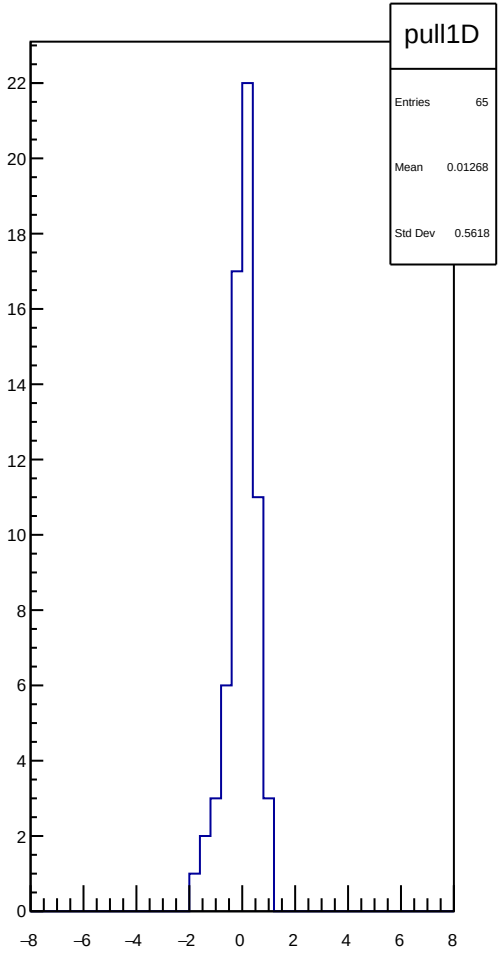

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 3825 / 64
p0 2635 ± 2.301
3000
2800
2600
2400
2200

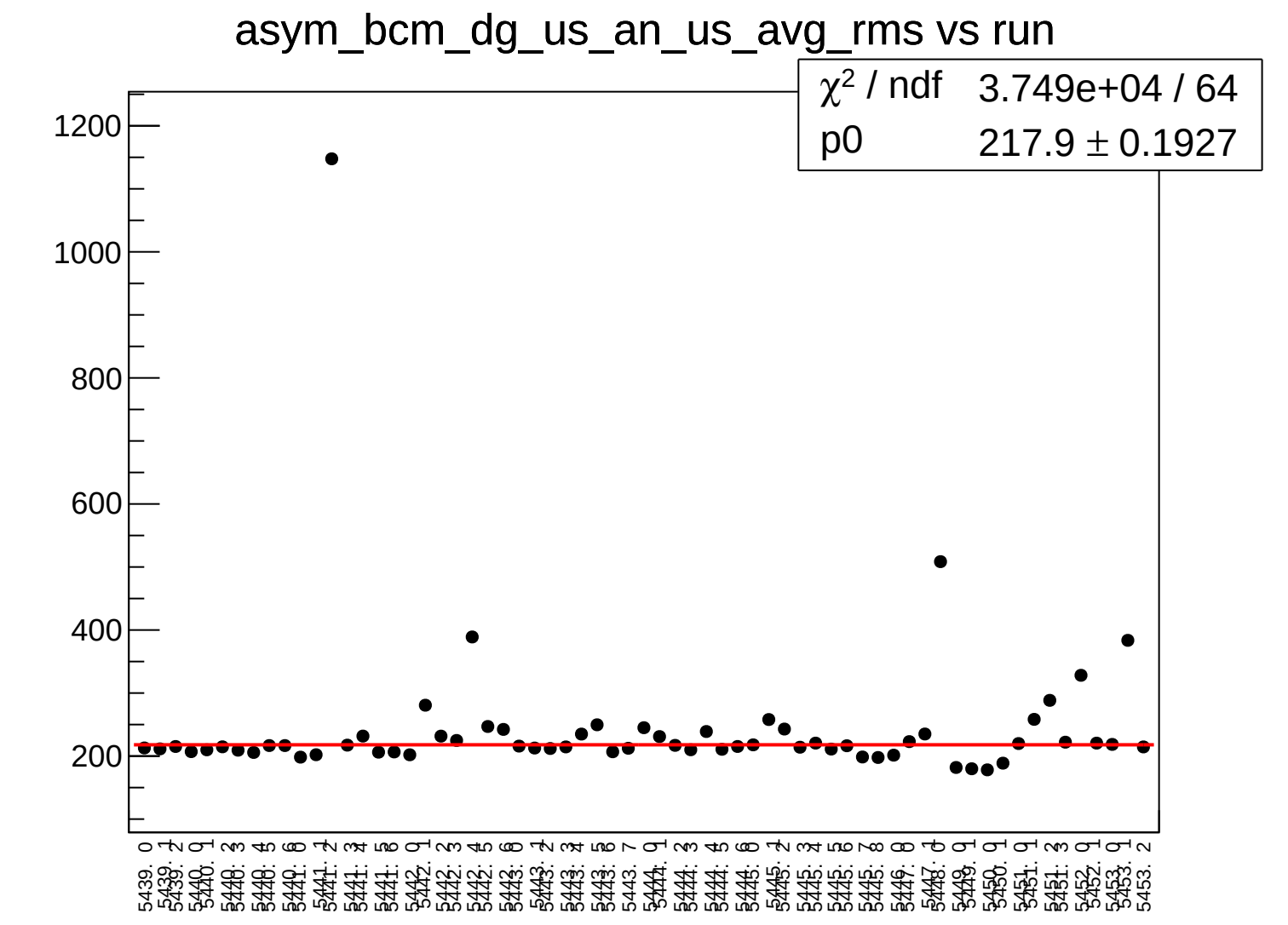

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
×10^3
χ² / ndf 70.78 / 64
p0 −6440 ± 3235
pull
Entries 65
Mean −32.94
Std Dev 0

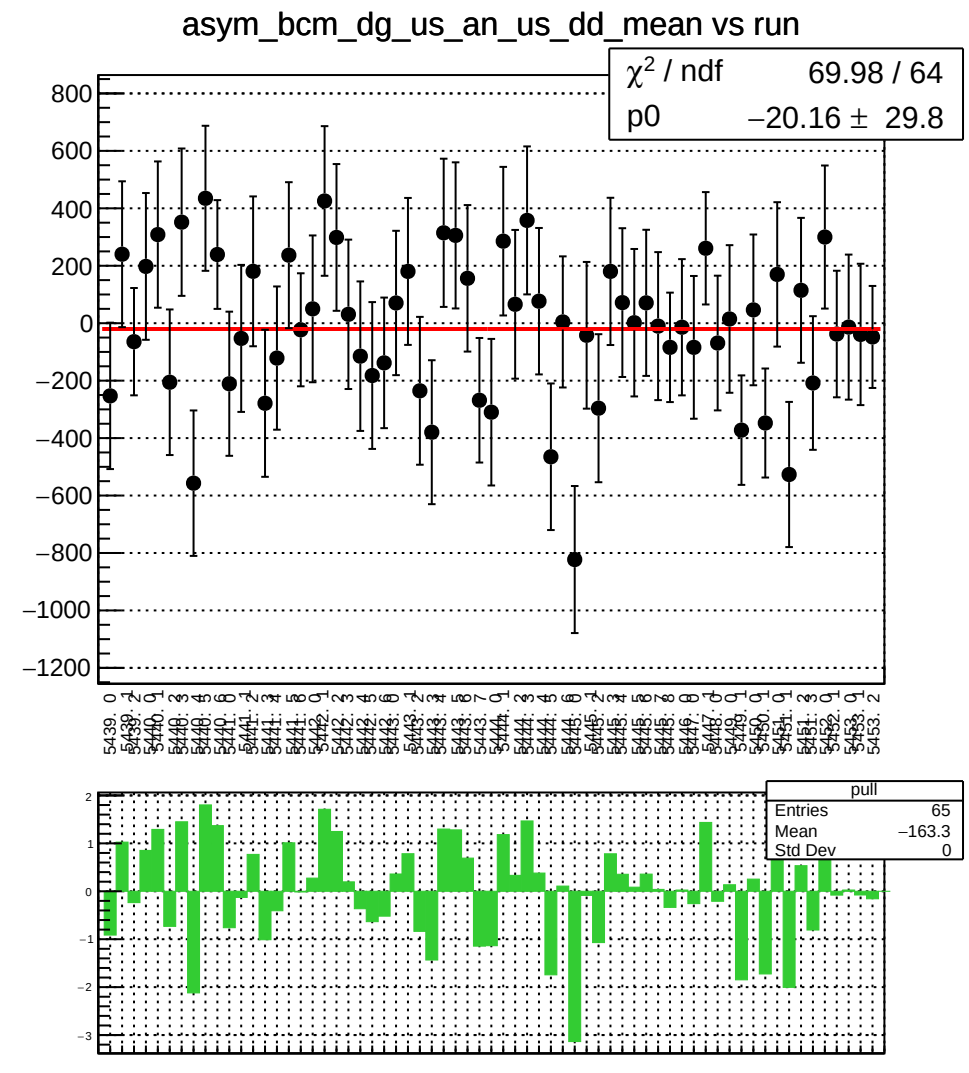

pull1D
Entries 65
Mean −0.03251
Std Dev 1.043

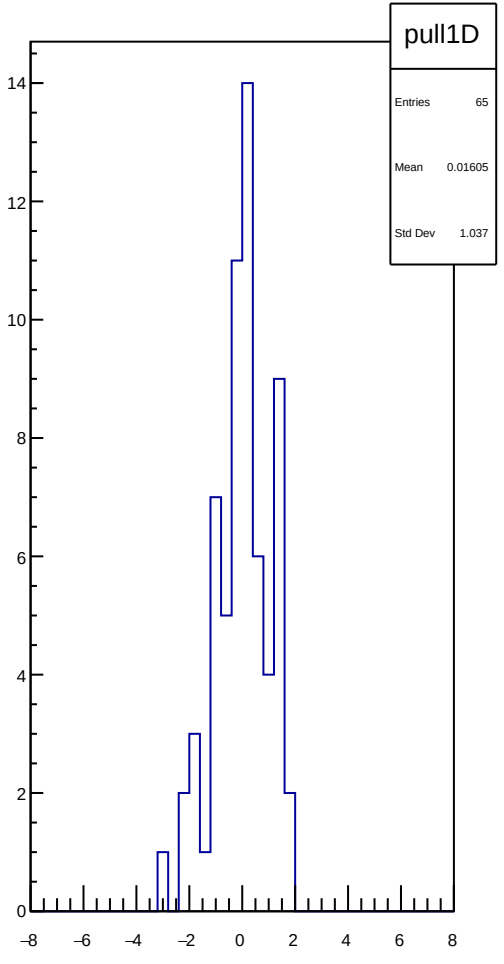

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 3724 / 64
p0 2620 ± 2.288
3000
2800
2600
2400
2200

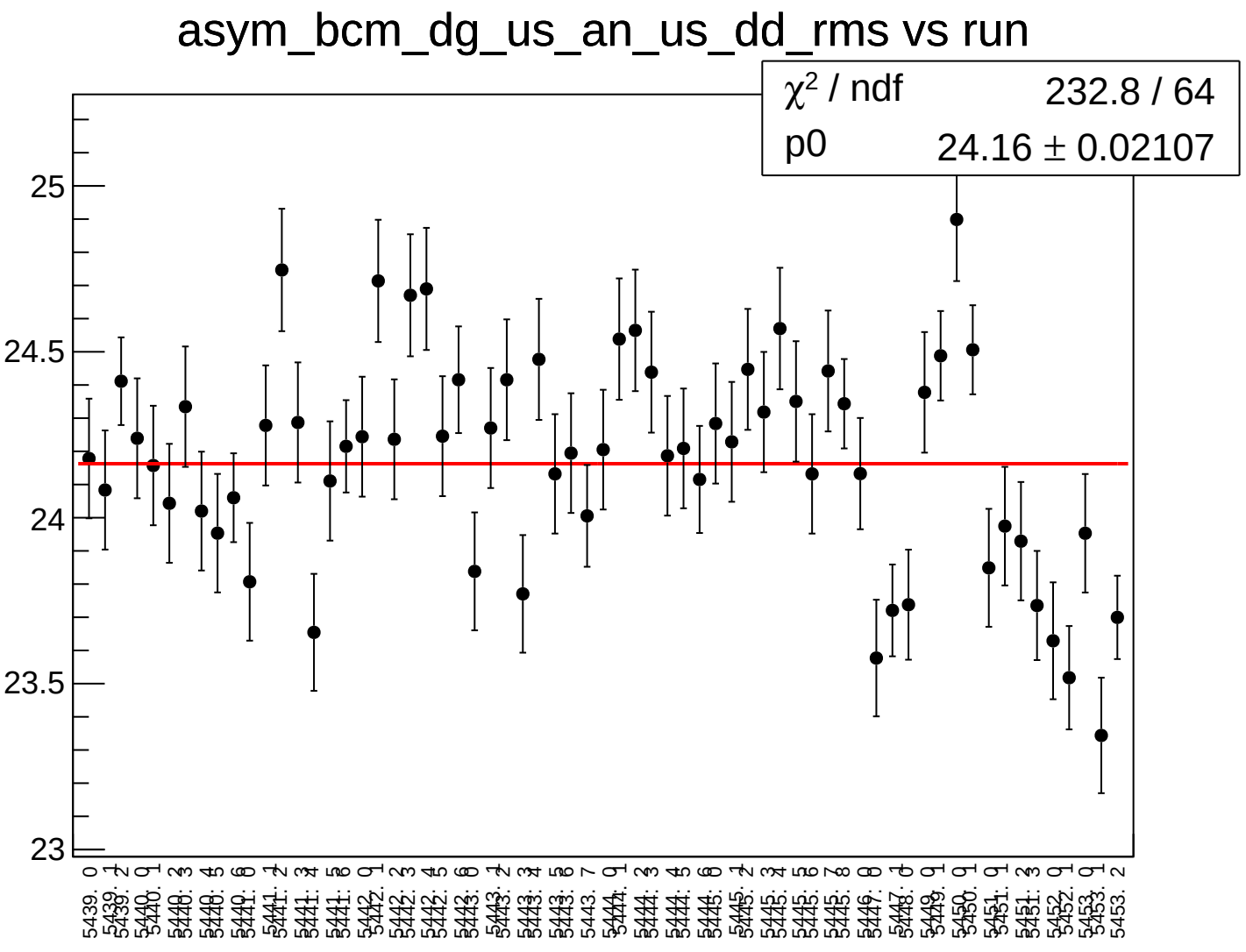

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 20.53 / 64
p0 −274.4 ± 272.6
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 72.66
Std Dev 9.238
1
0.5
0
−0.5
−1
−1.5

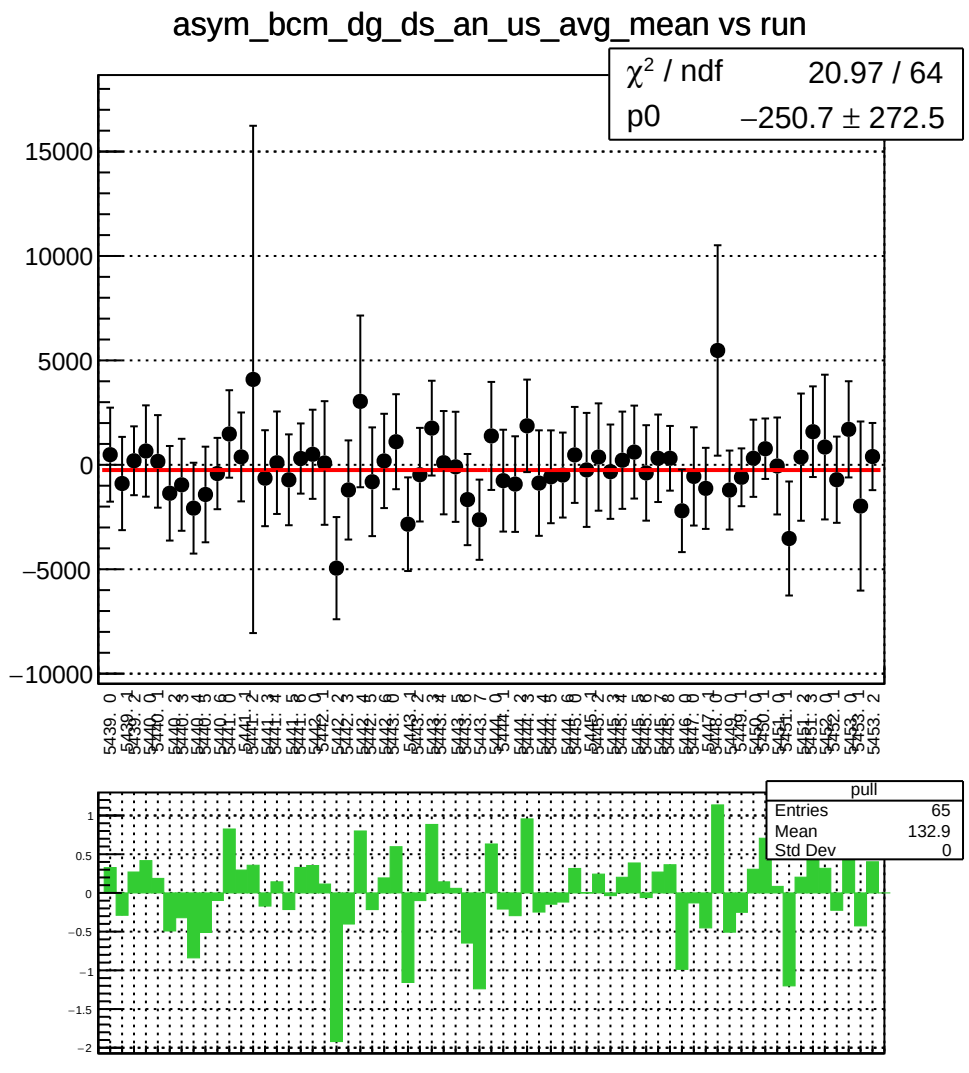

pull1D
Entries 65
Mean 0.01268
Std Dev 0.5618
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

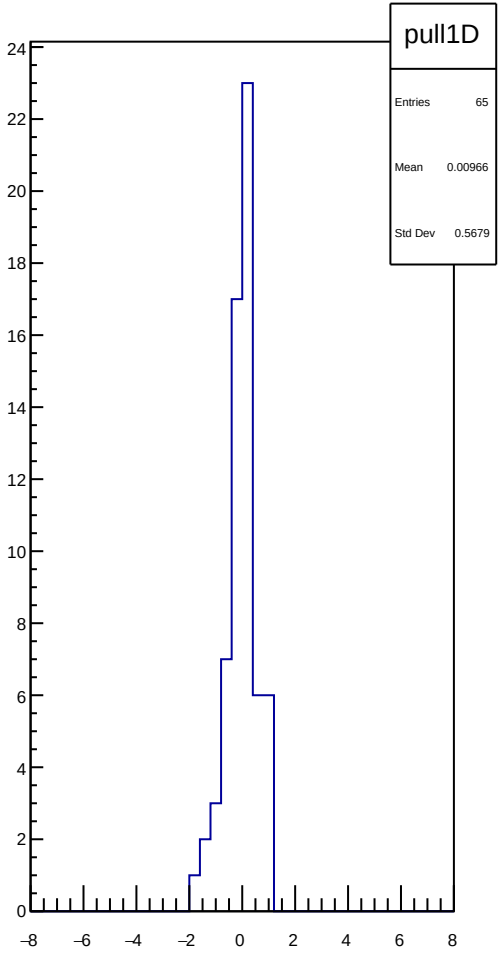

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 3.749e+04 / 64
p0 217.9 ± 0.1927
1200
1000
800
600
400
200

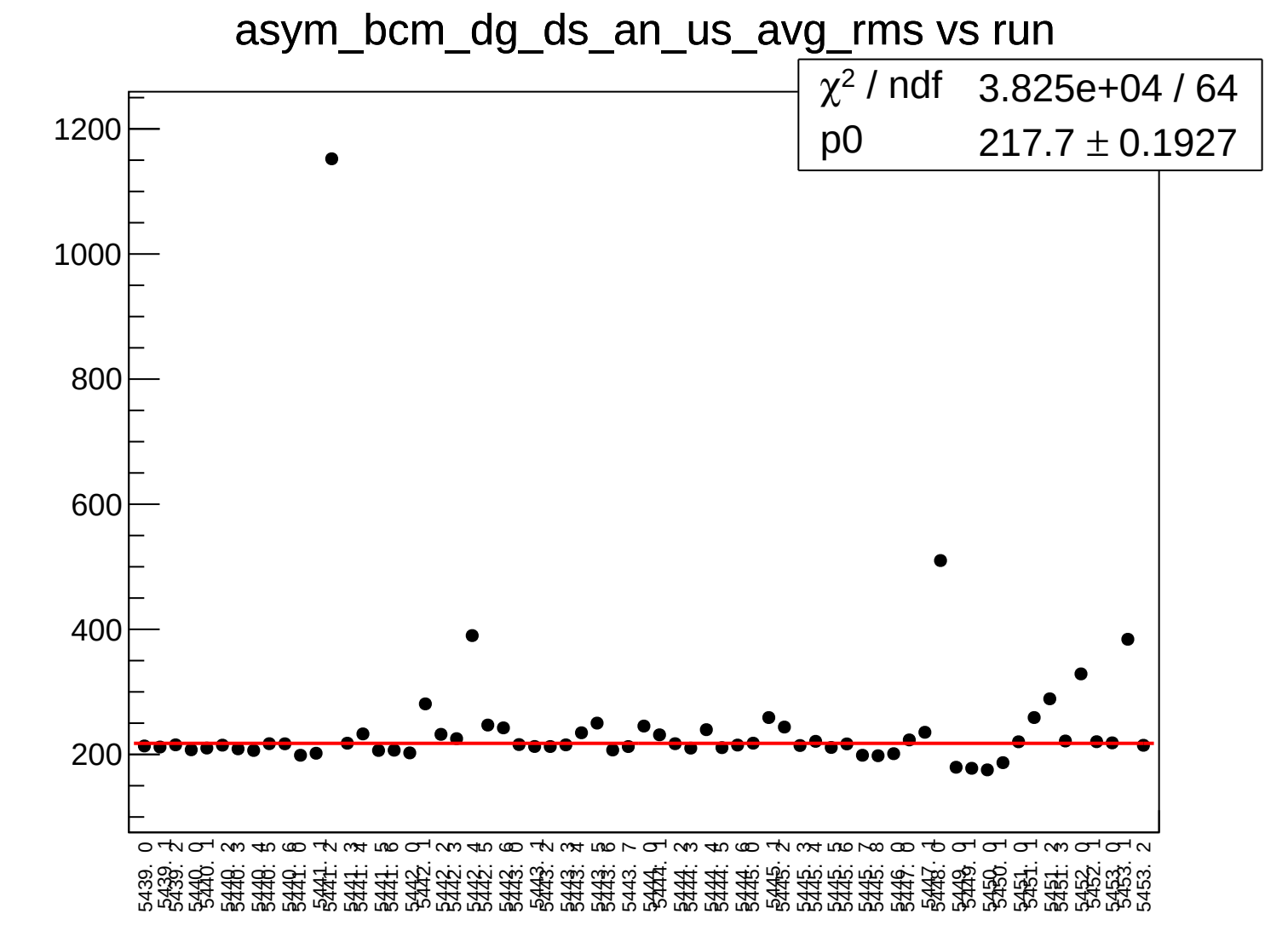

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 69.98 / 64
p0 −20.16 ± 29.8
pull
Entries 65
Mean −163.3
Std Dev 0

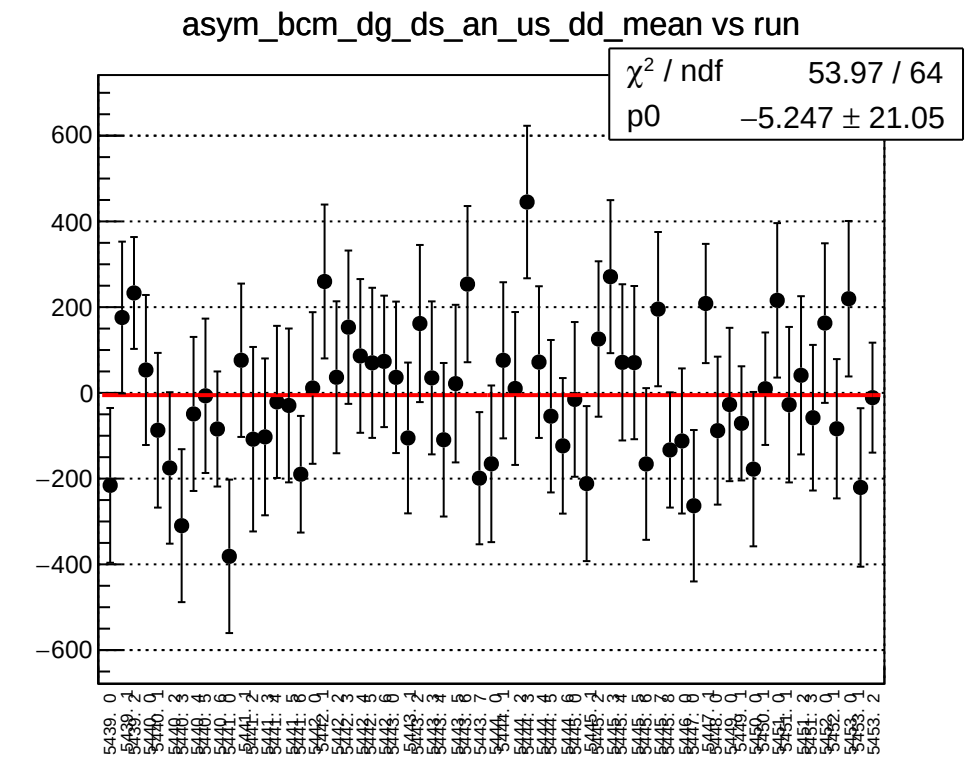

pull1D
Entries 65
Mean 0.01605
Std Dev 1.037

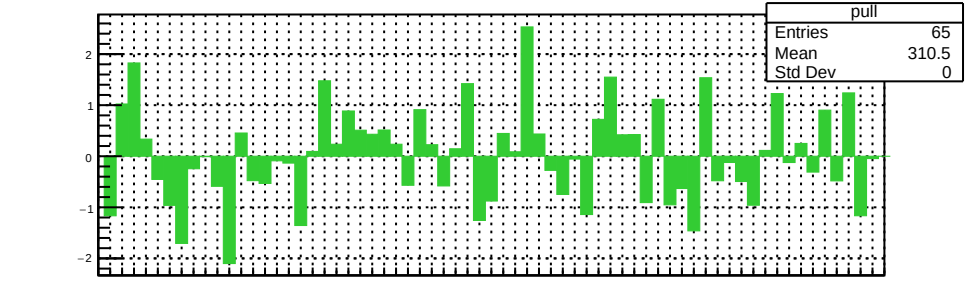

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 232.8 / 64
p0 24.16 ± 0.02107
25
24.5
24
23.5
23

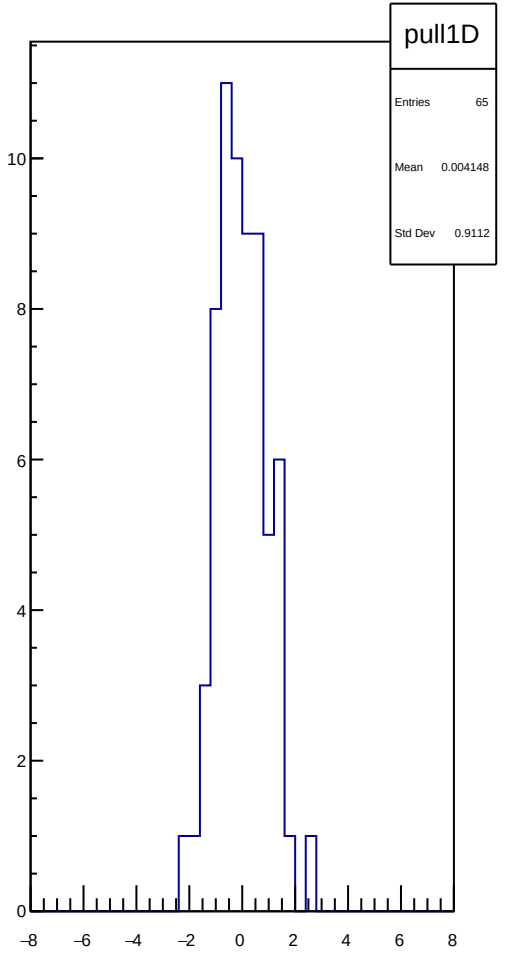

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 20.97 / 64
p0 −250.7 ± 272.5
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 132.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

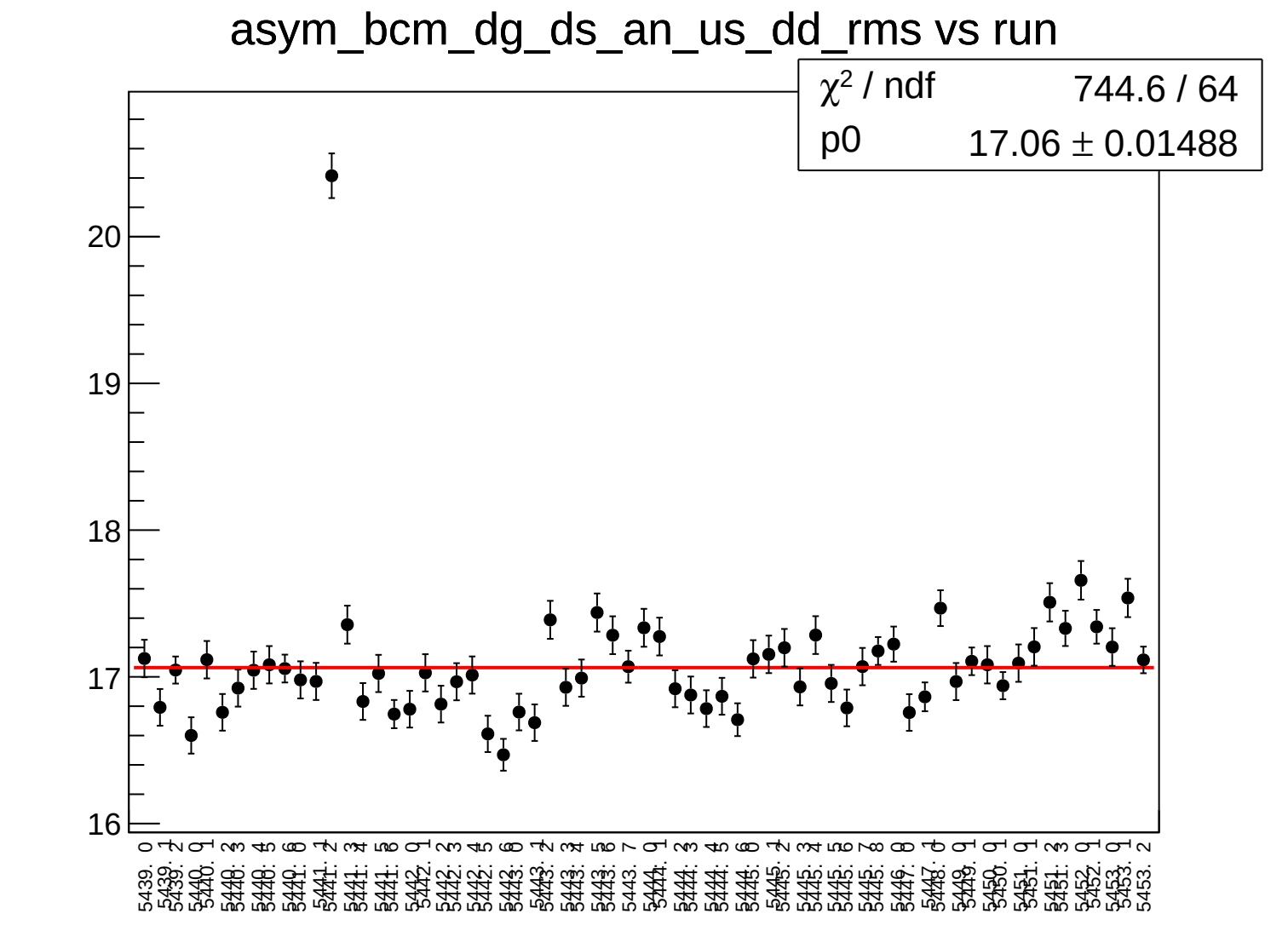

pull1D
Entries 65
Mean 0.00966
Std Dev 0.5679
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

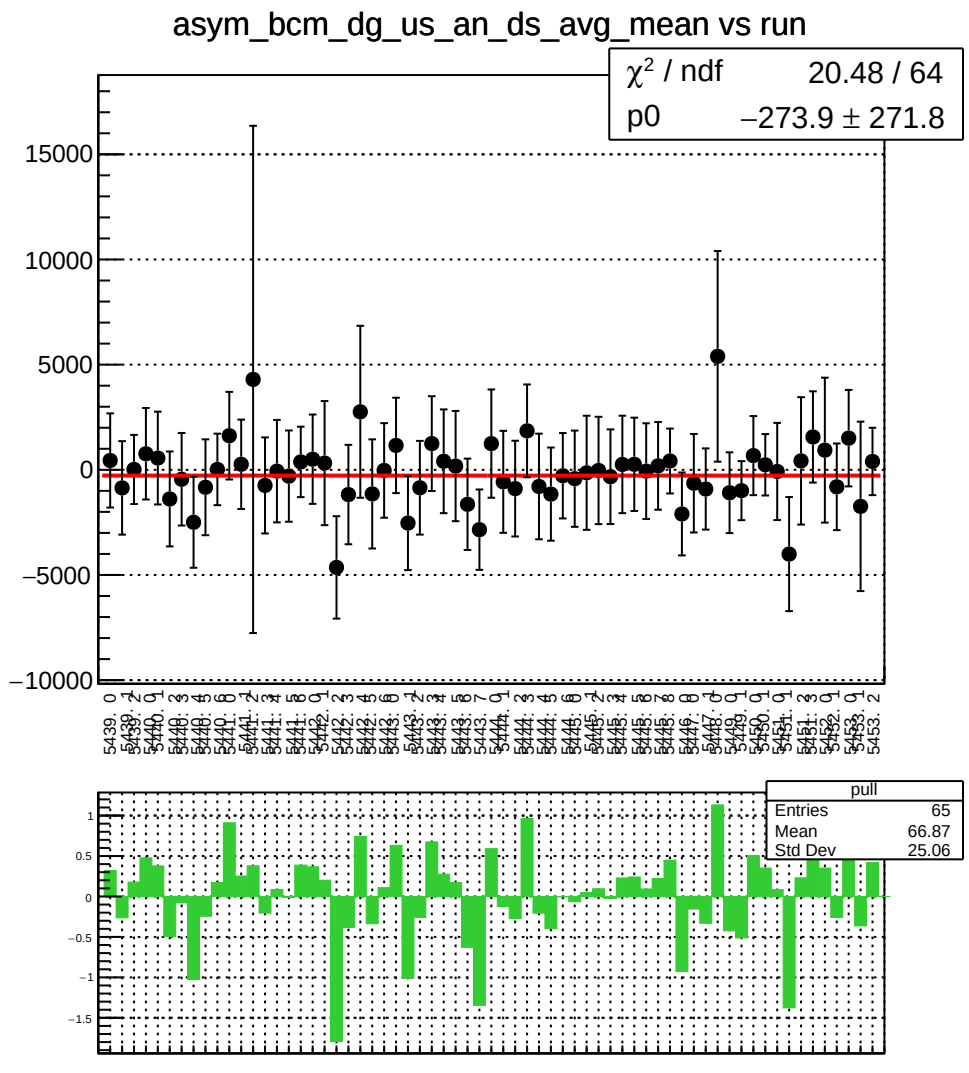

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3.825e+04 / 64
p0 217.7 ± 0.1927
1200
1000
800
600
400
200

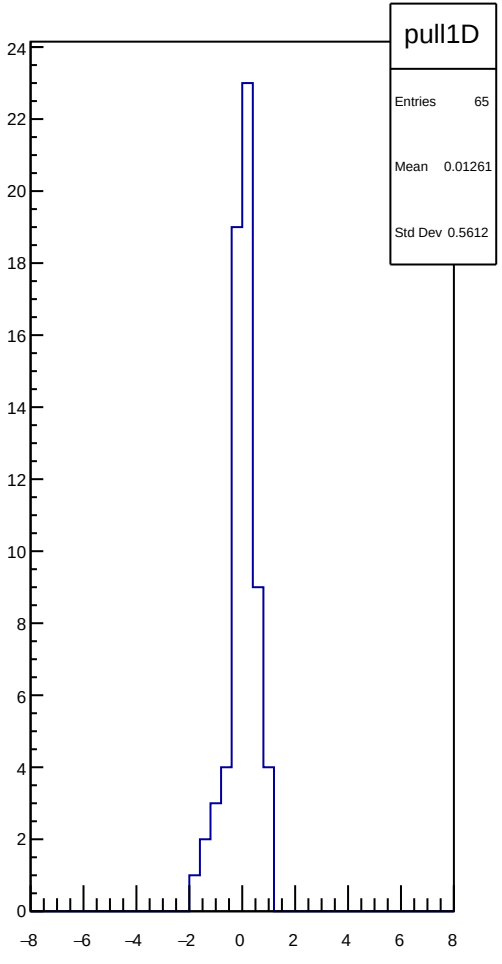

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 53.97 / 64
p0 −5.247 ± 21.05
600
400
200
0
−200
−400
−600

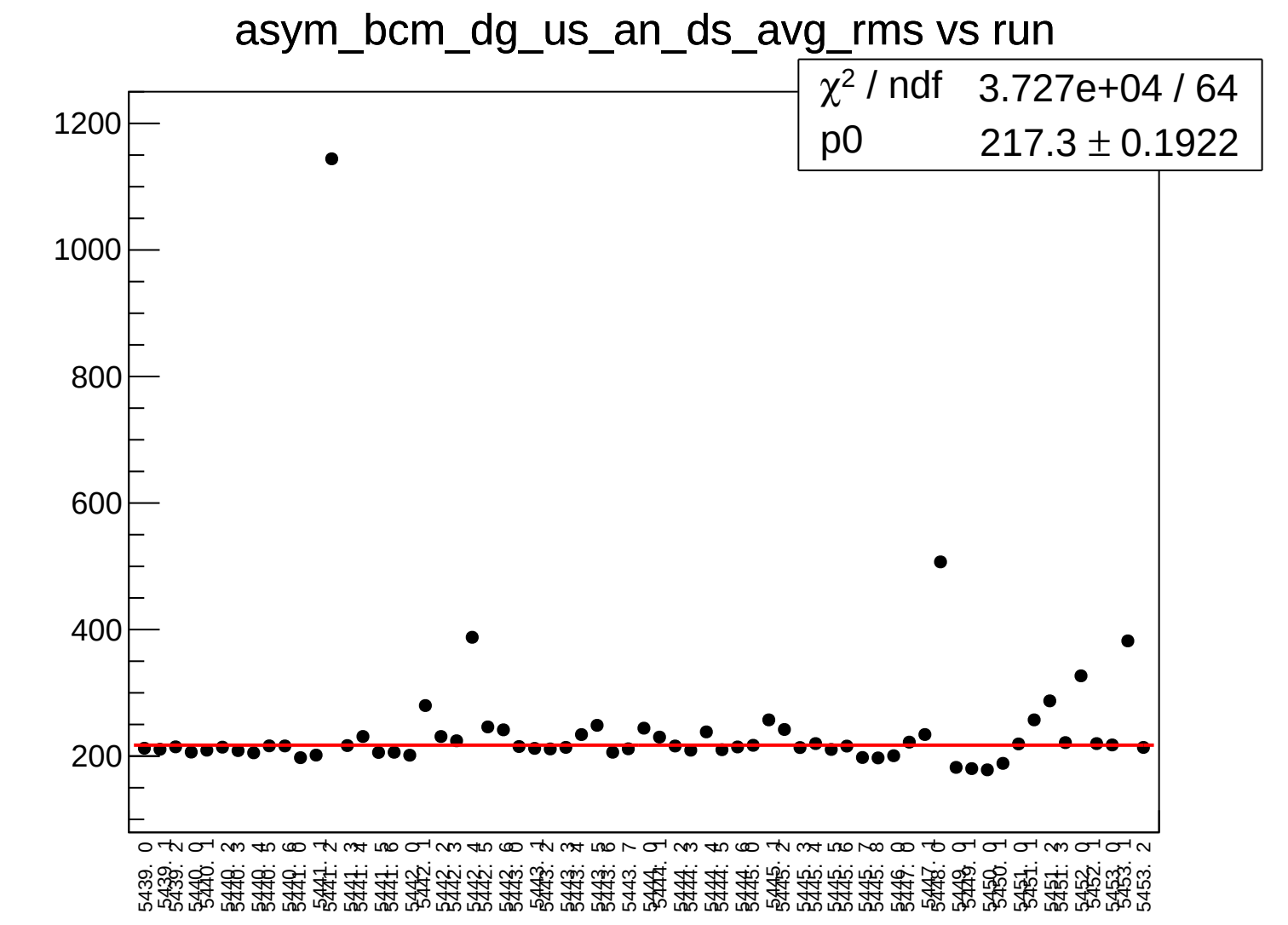

pull
Entries 65
Mean 310.5
Std Dev 0
2
1
0
−1
−2

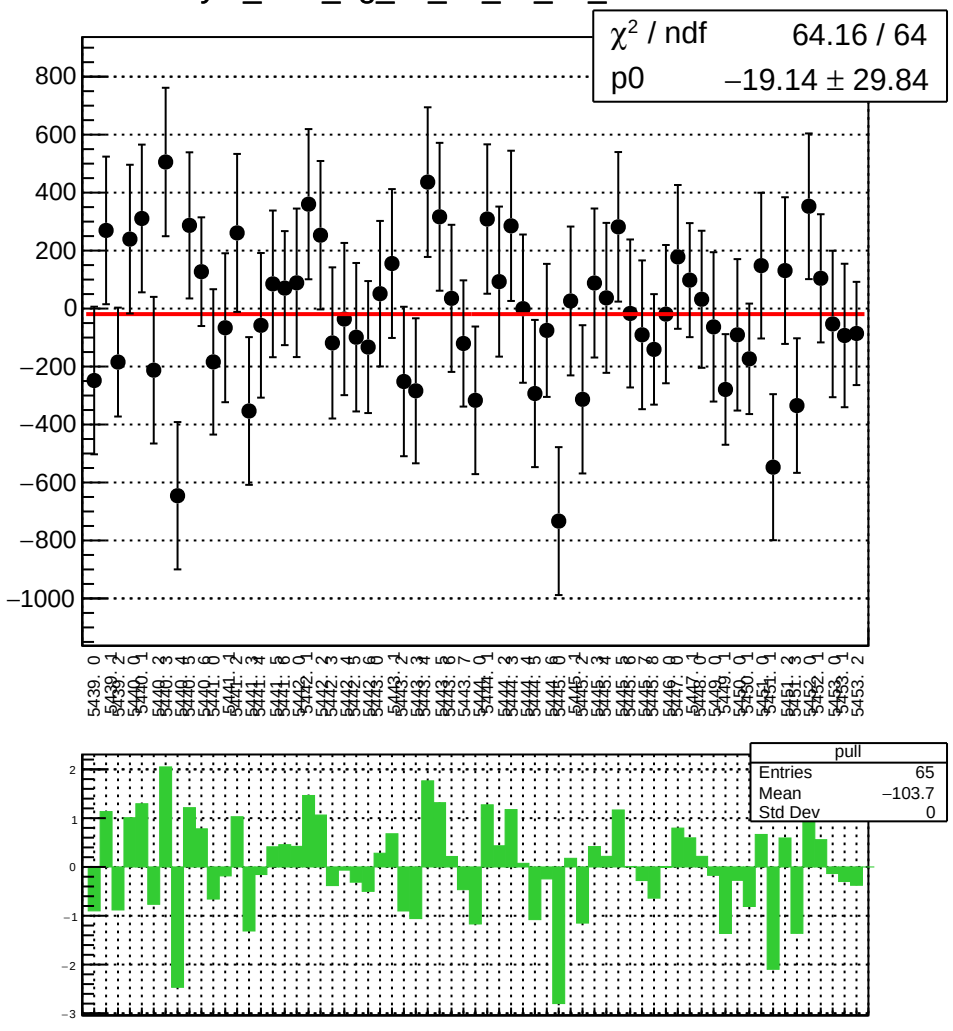

pull1D
Entries 65
Mean 0.004148
Std Dev 0.9112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

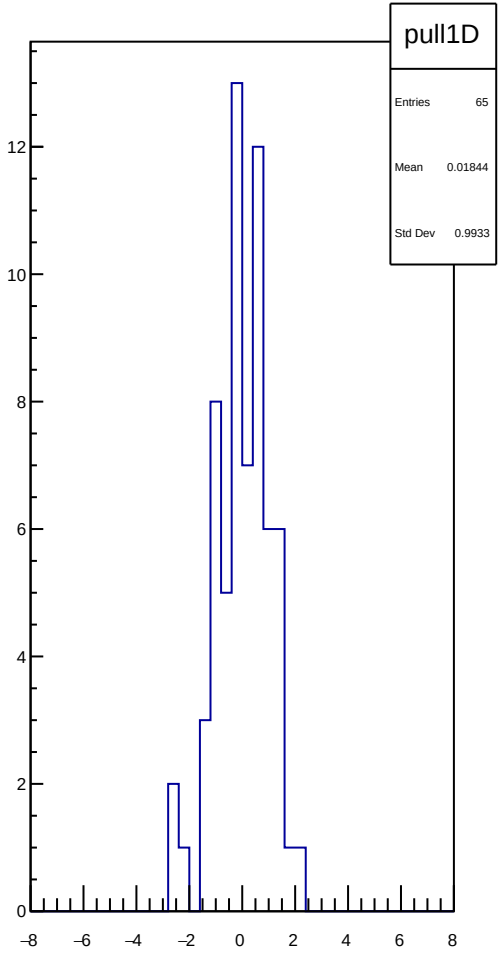

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 744.6 / 64
p0 17.06 ± 0.01488
20
19
18
17
16

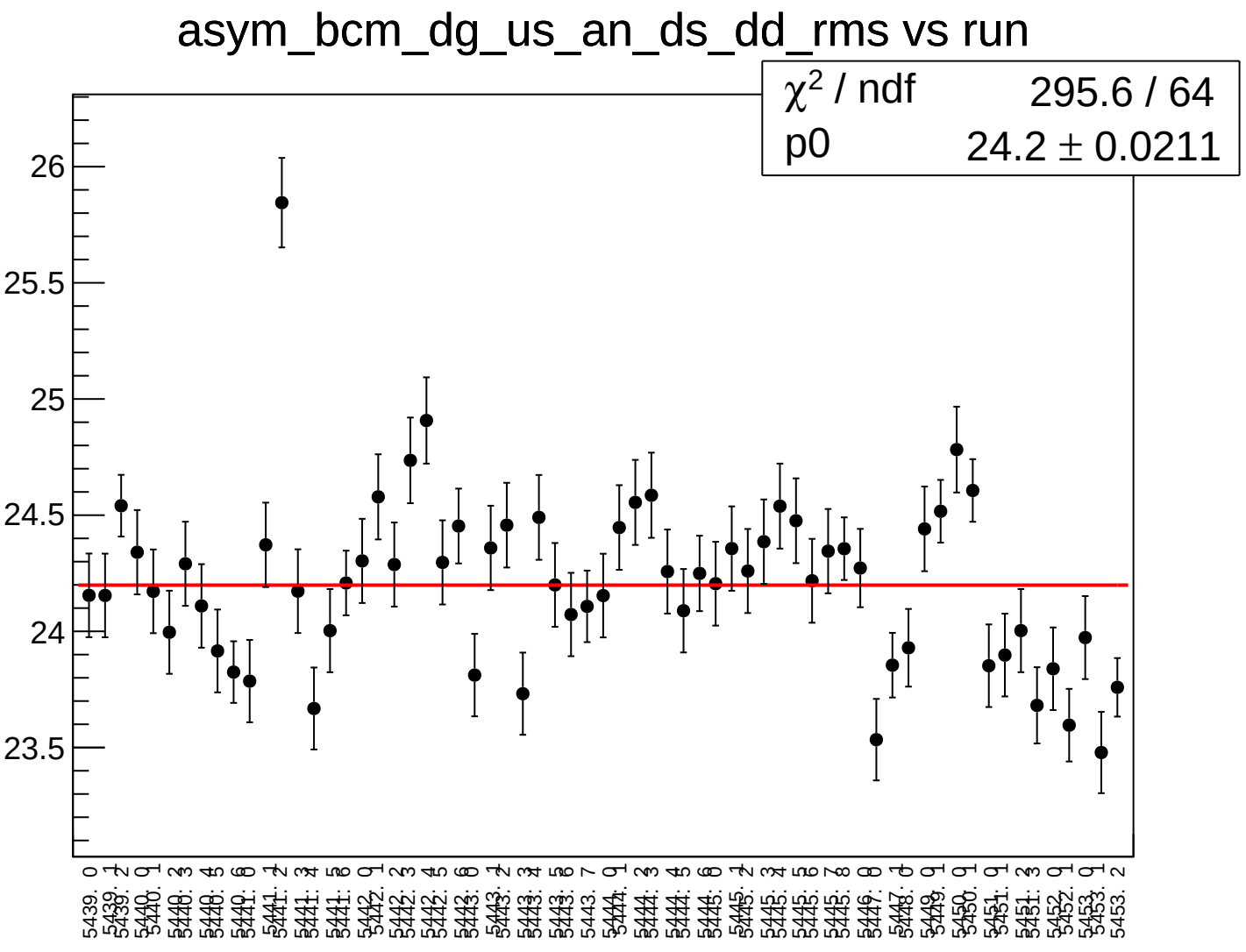

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 20.48 / 64
p0 −273.9 ± 271.8
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 66.87
Std Dev 25.06
1
0.5
0
−0.5
−1
−1.5

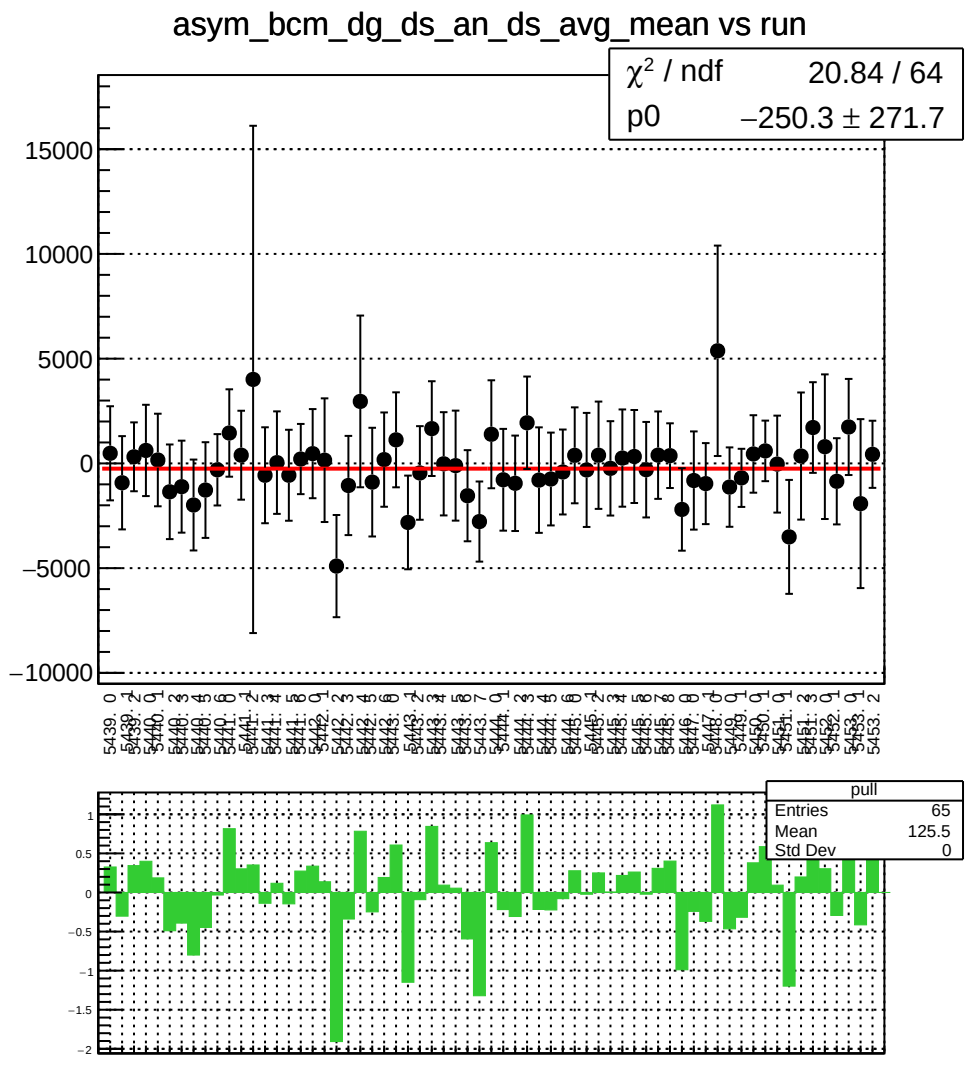

pull1D
Entries 65
Mean 0.01261
Std Dev 0.5612
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

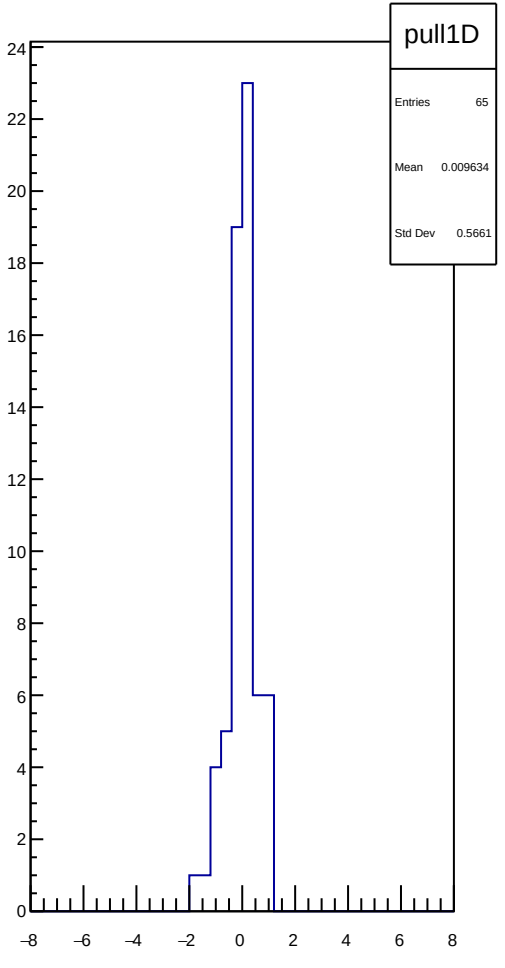

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 3.727e+04 / 64
p0 217.3 ± 0.1922
1200
1000
800
600
400
200

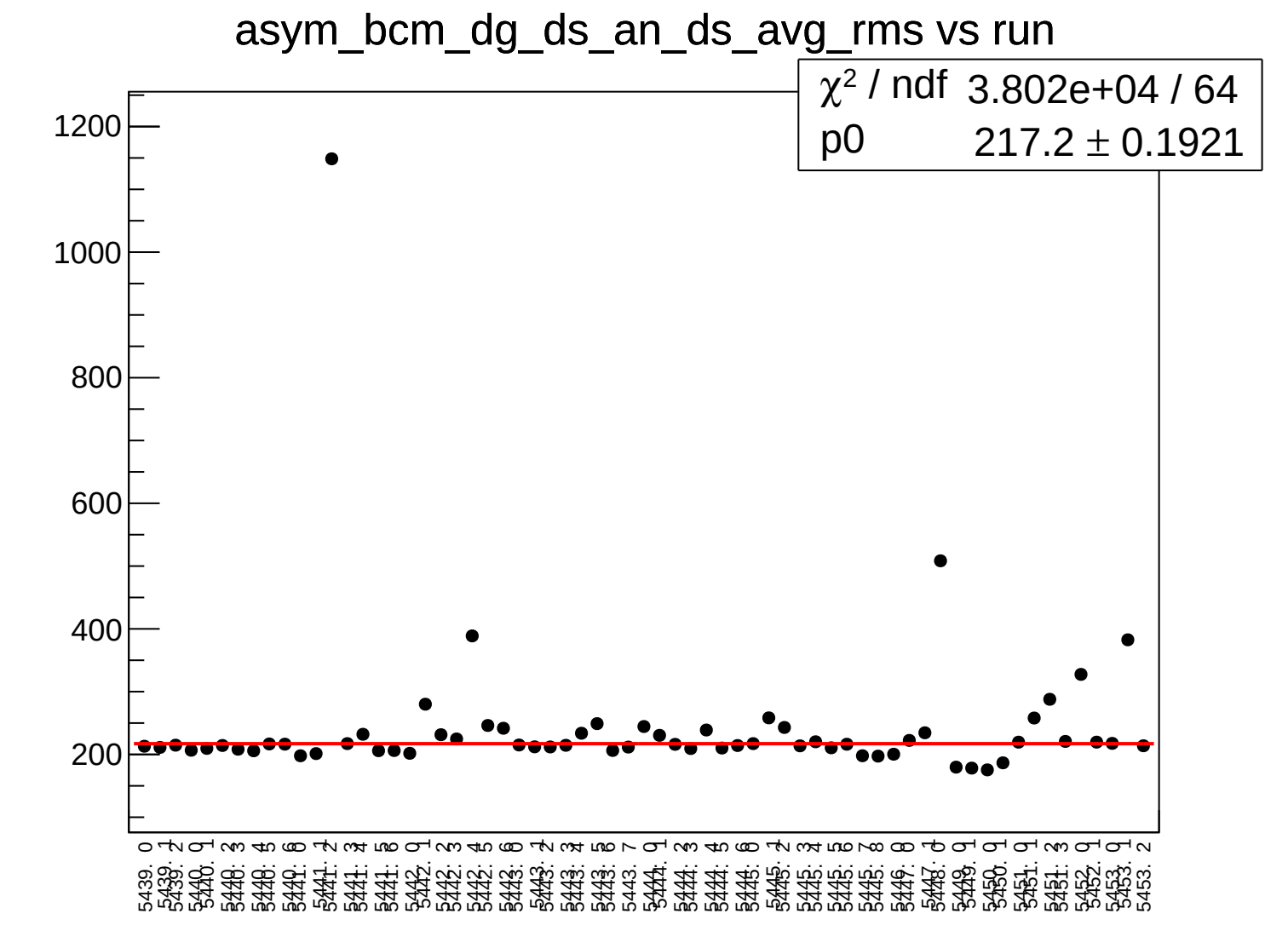

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 64.16 / 64
p0 −19.14 ± 29.84
pull
Entries 65
Mean −103.7
Std Dev 0

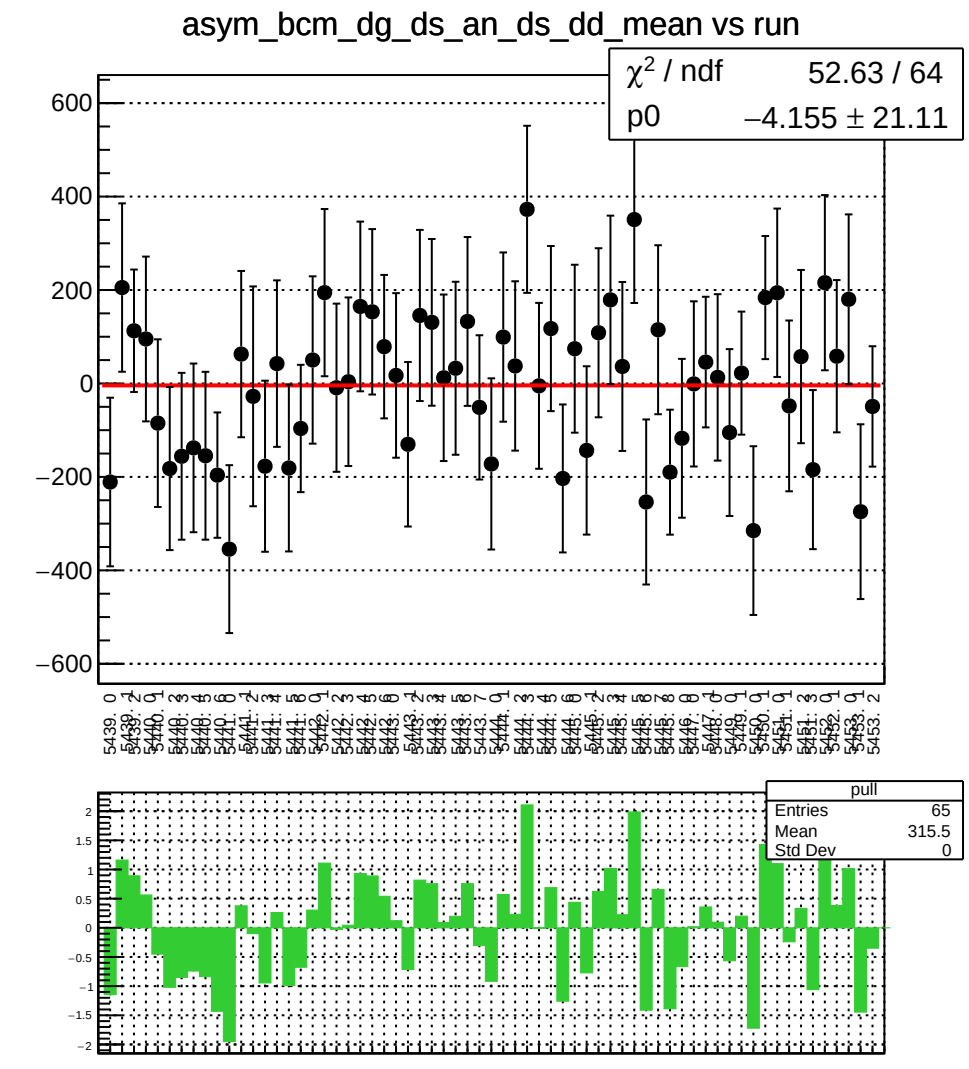

pull1D
Entries 65
Mean 0.01844
Std Dev 0.9933

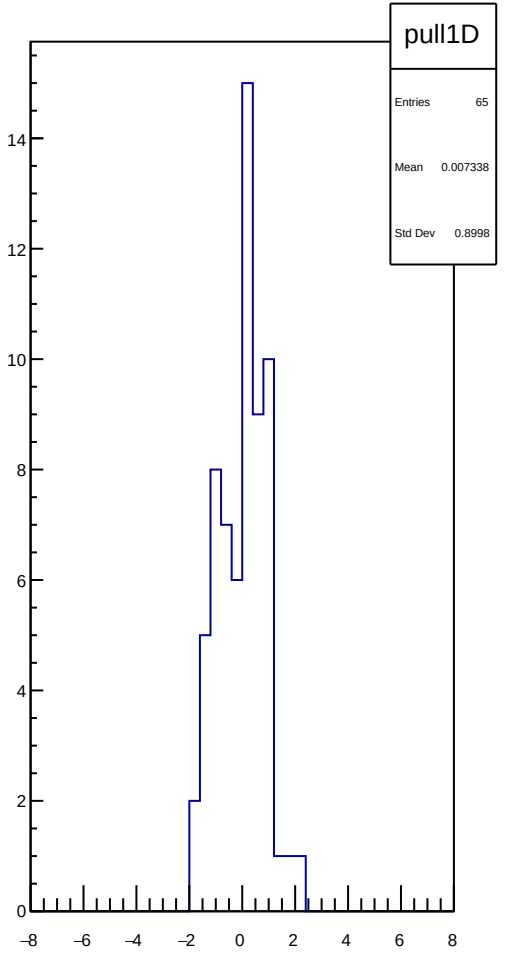

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 295.6 / 64
p0 24.2 ± 0.0211
26
25.5
25
24.5
24
23.5

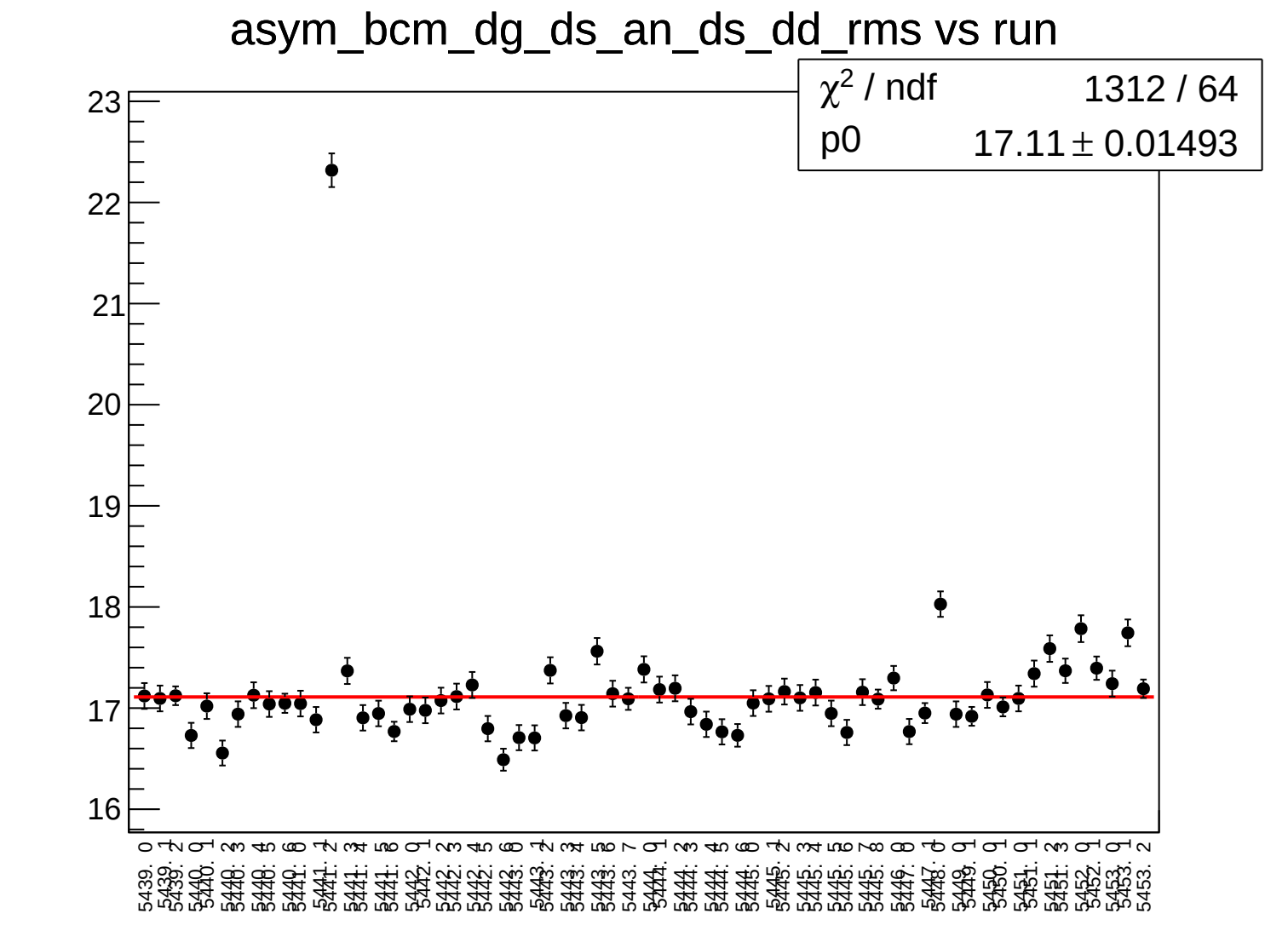

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 20.84 / 64
p0 −250.3 ± 271.7
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 125.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

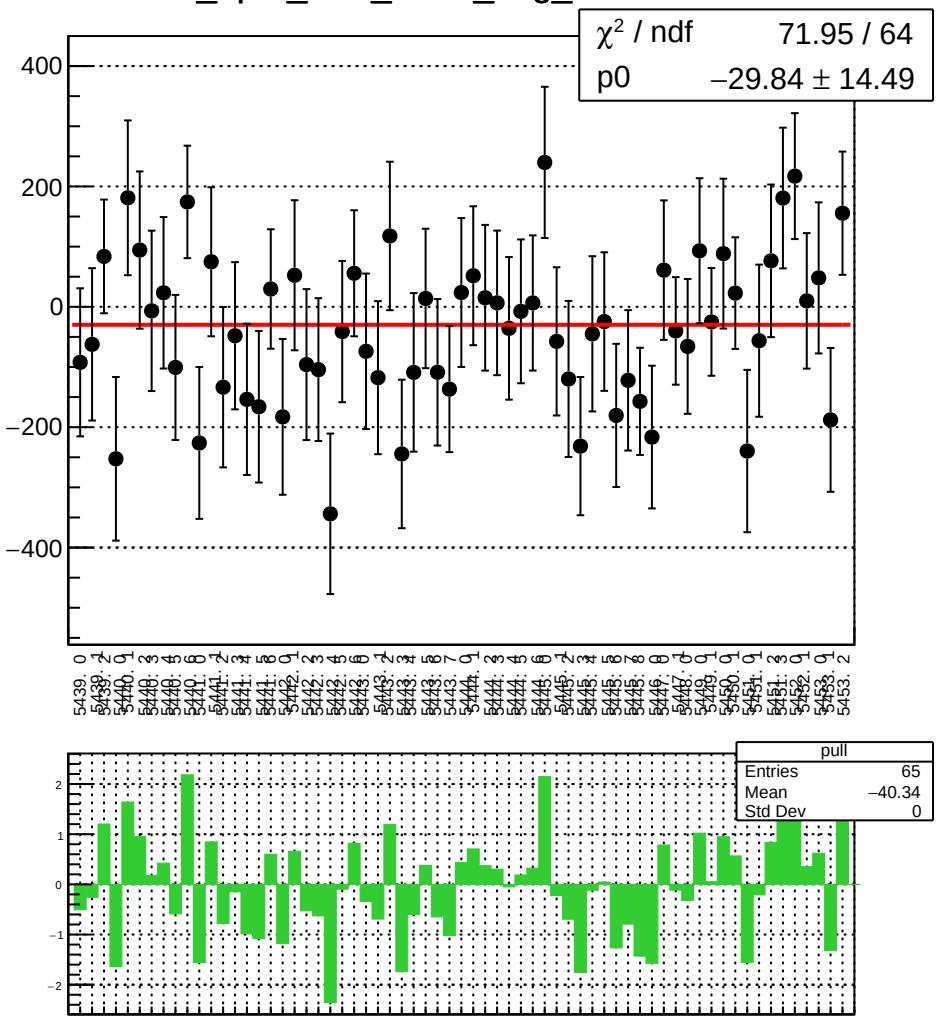

pull1D
Entries 65
Mean 0.009634
Std Dev 0.5661
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

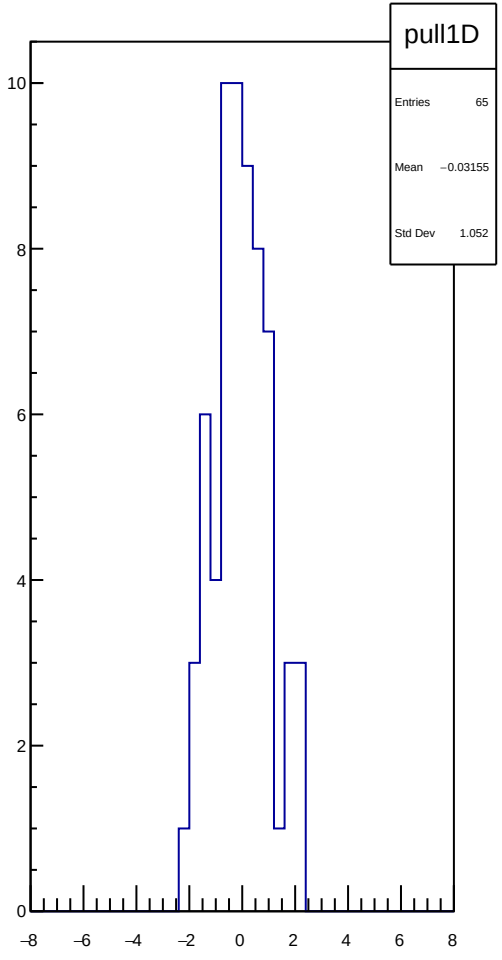

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3.802e+04 / 64
p0 217.2 ± 0.1921
1200
1000
800
600
400
200

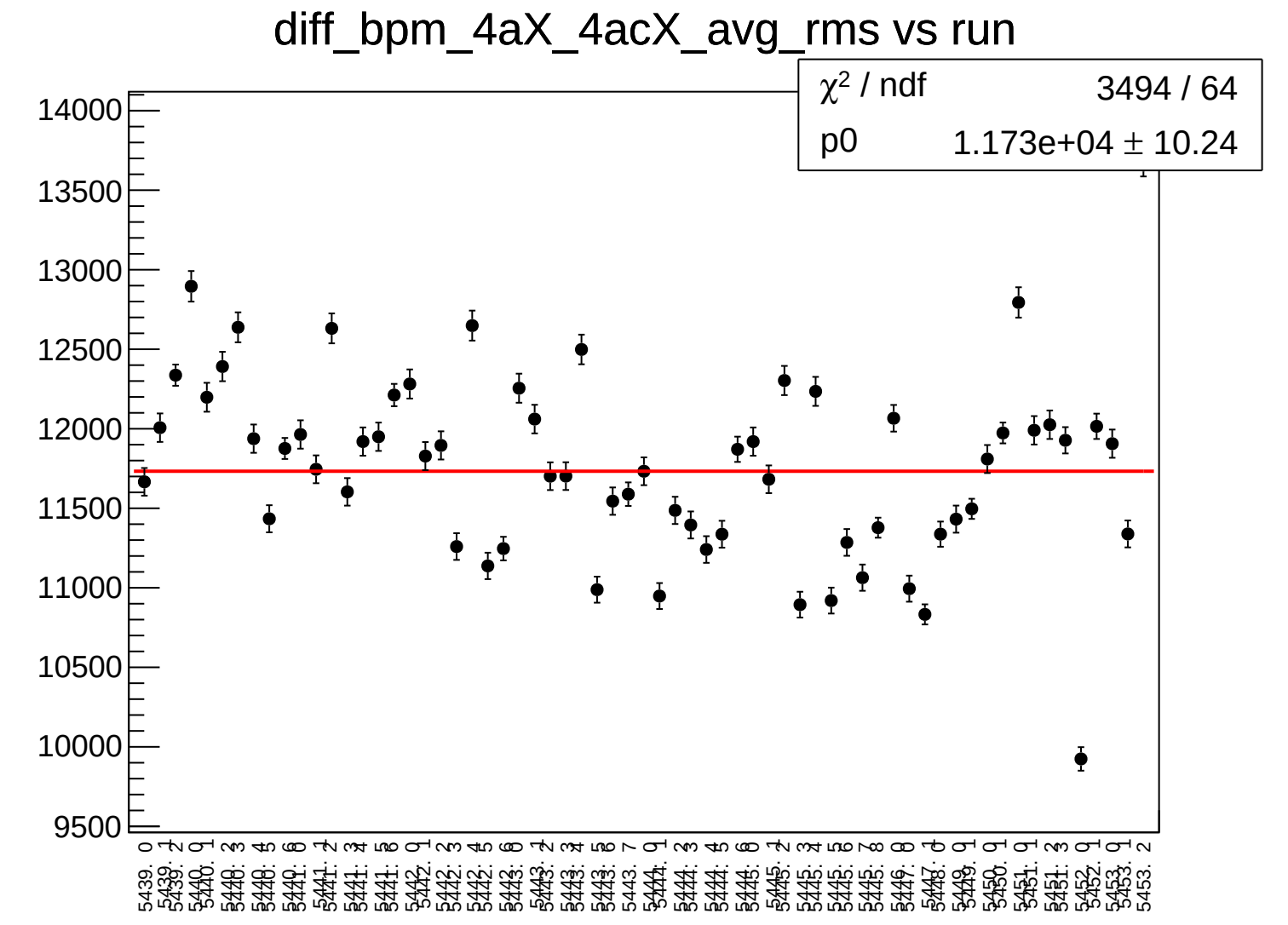

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 52.63 / 64
p0 −4.155 ± 21.11
pull
Entries 65
Mean 315.5
Std Dev 0

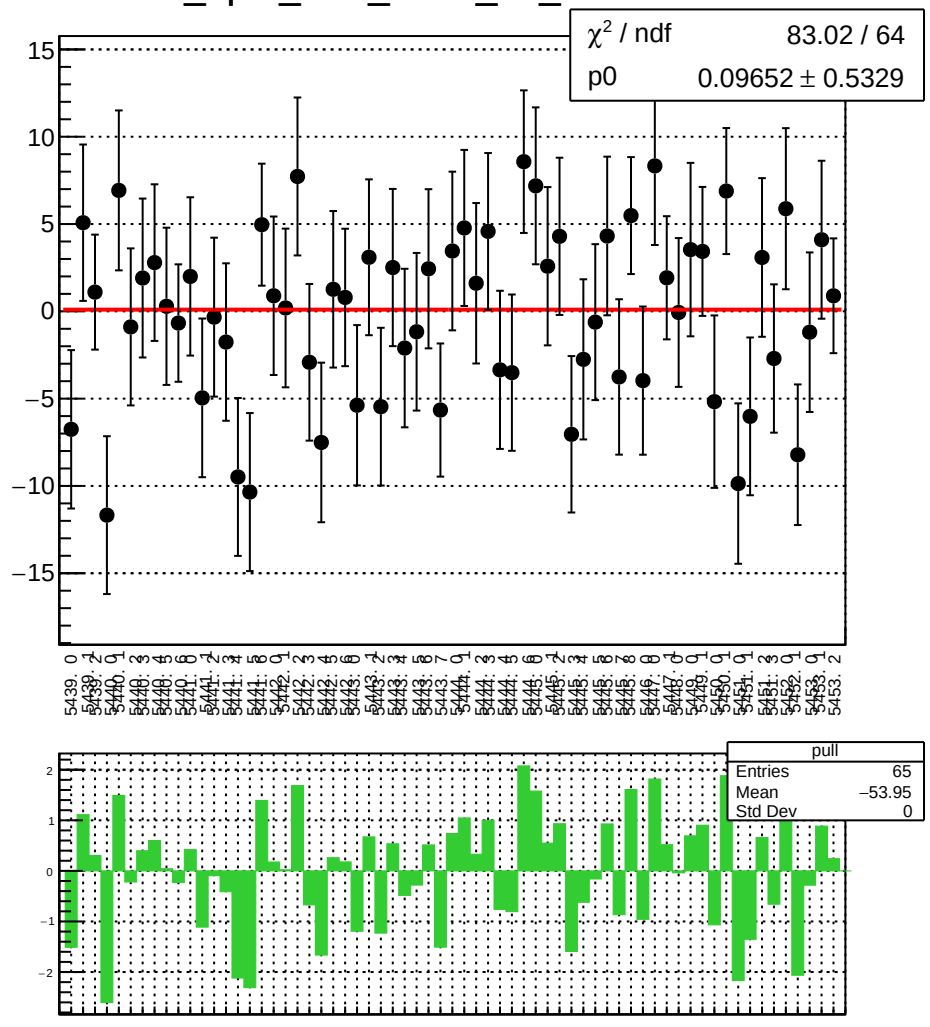

pull1D
Entries 65
Mean 0.007338
Std Dev 0.8998

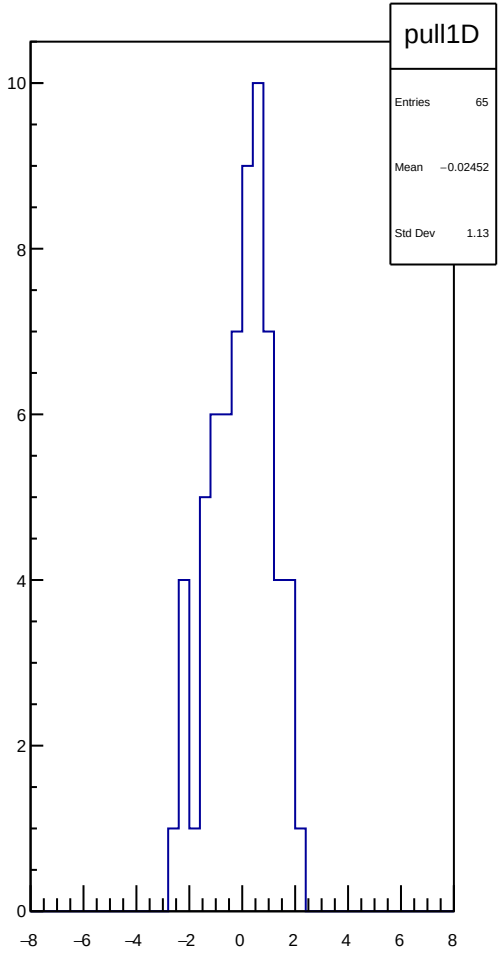

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1312 / 64
p0 17.11 ± 0.01493
23
22
21
20
19
18
17
16

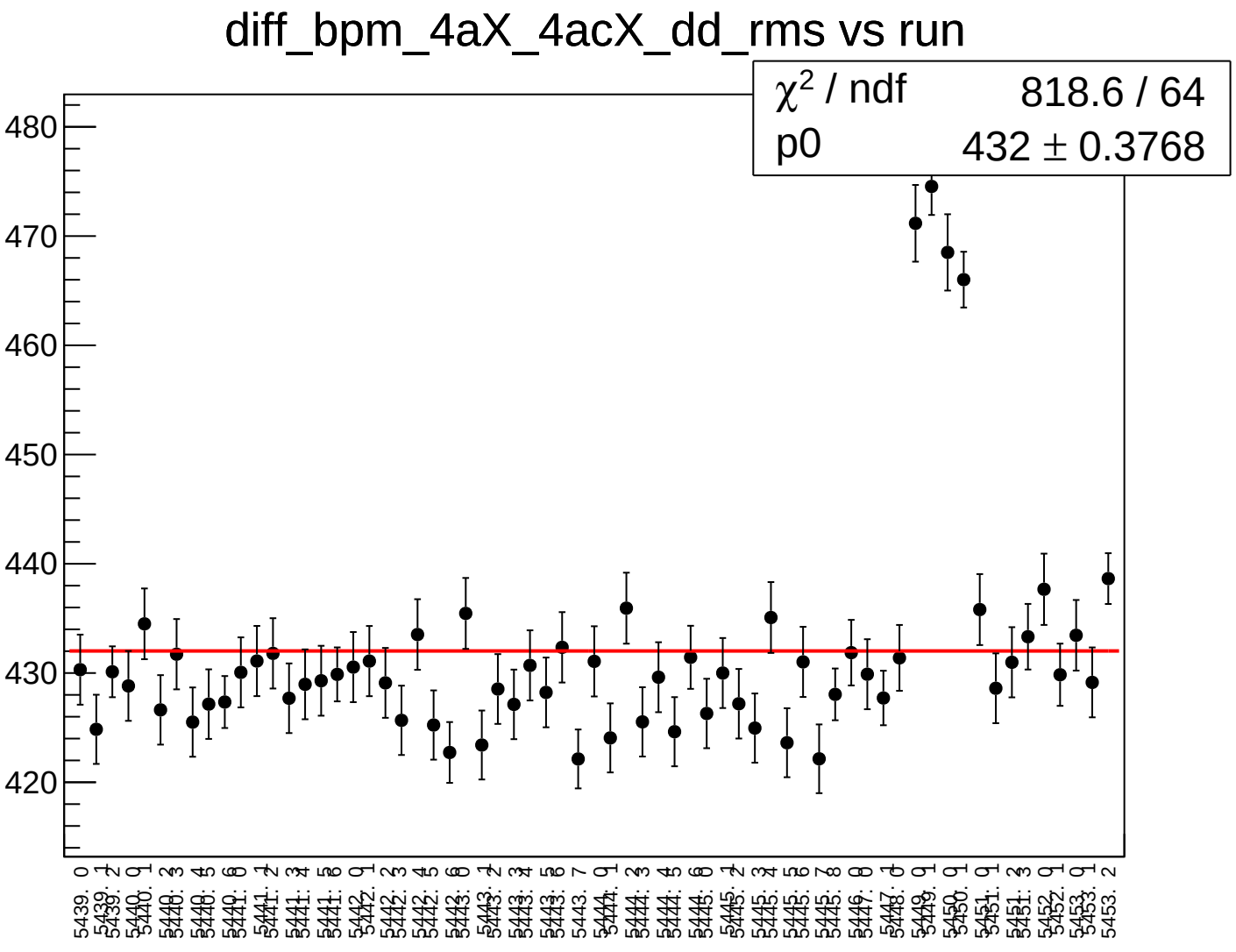

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 71.95 / 64
p0 −29.84 ± 14.49
pull
Entries 65
Mean −40.34
Std Dev 0

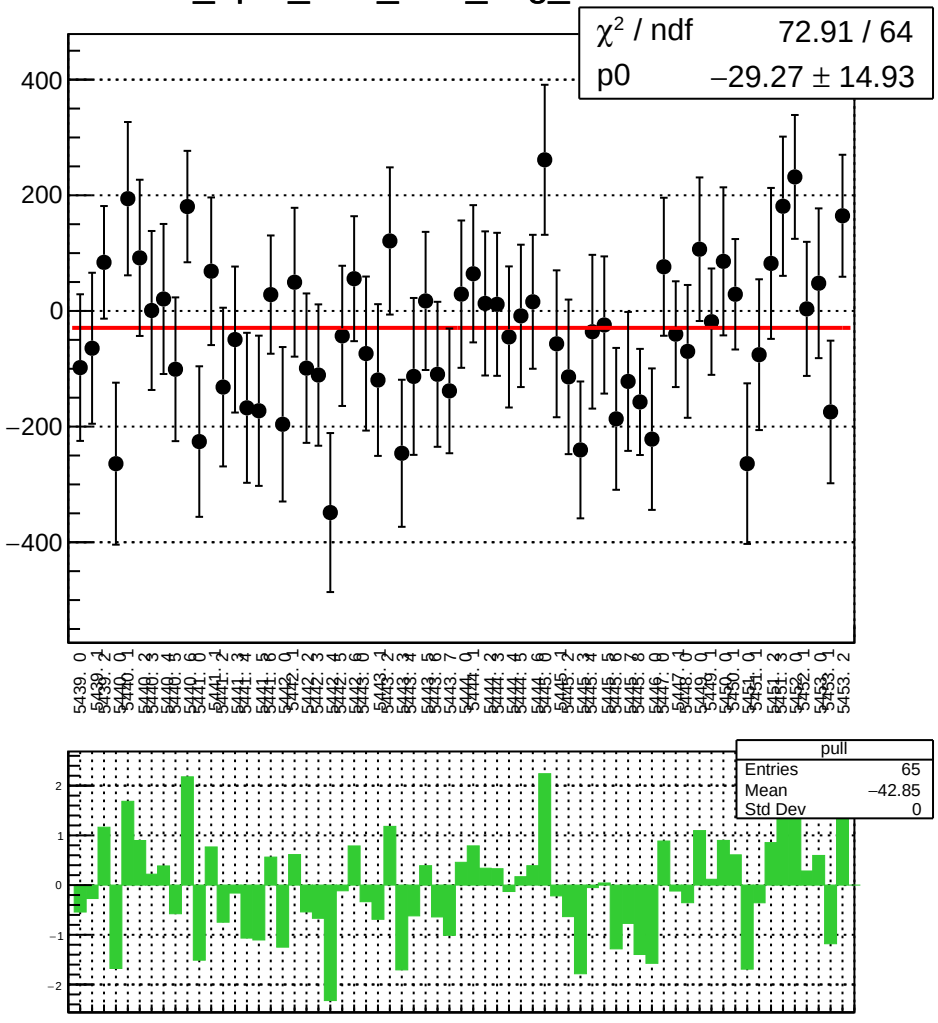

pull1D
Entries 65
Mean −0.03155
Std Dev 1.052

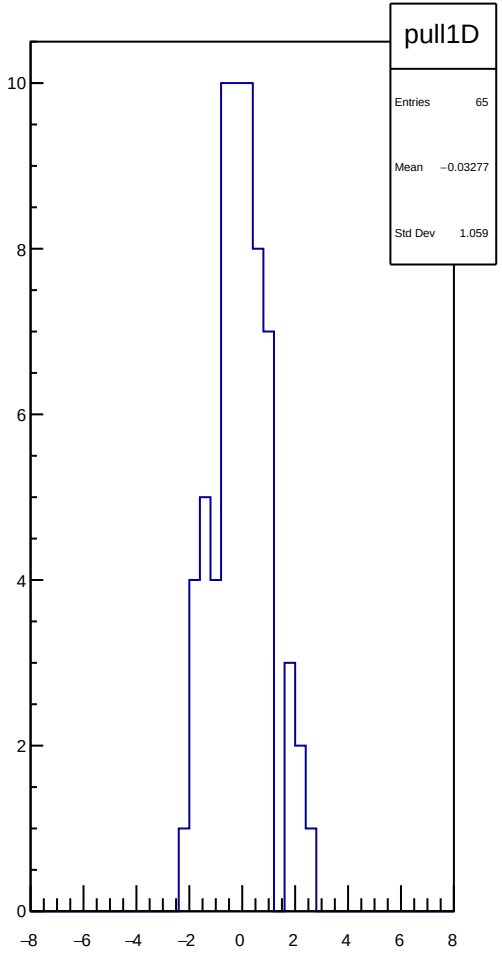

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 3494 / 64
p0 1.173e+04 ± 10.24
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

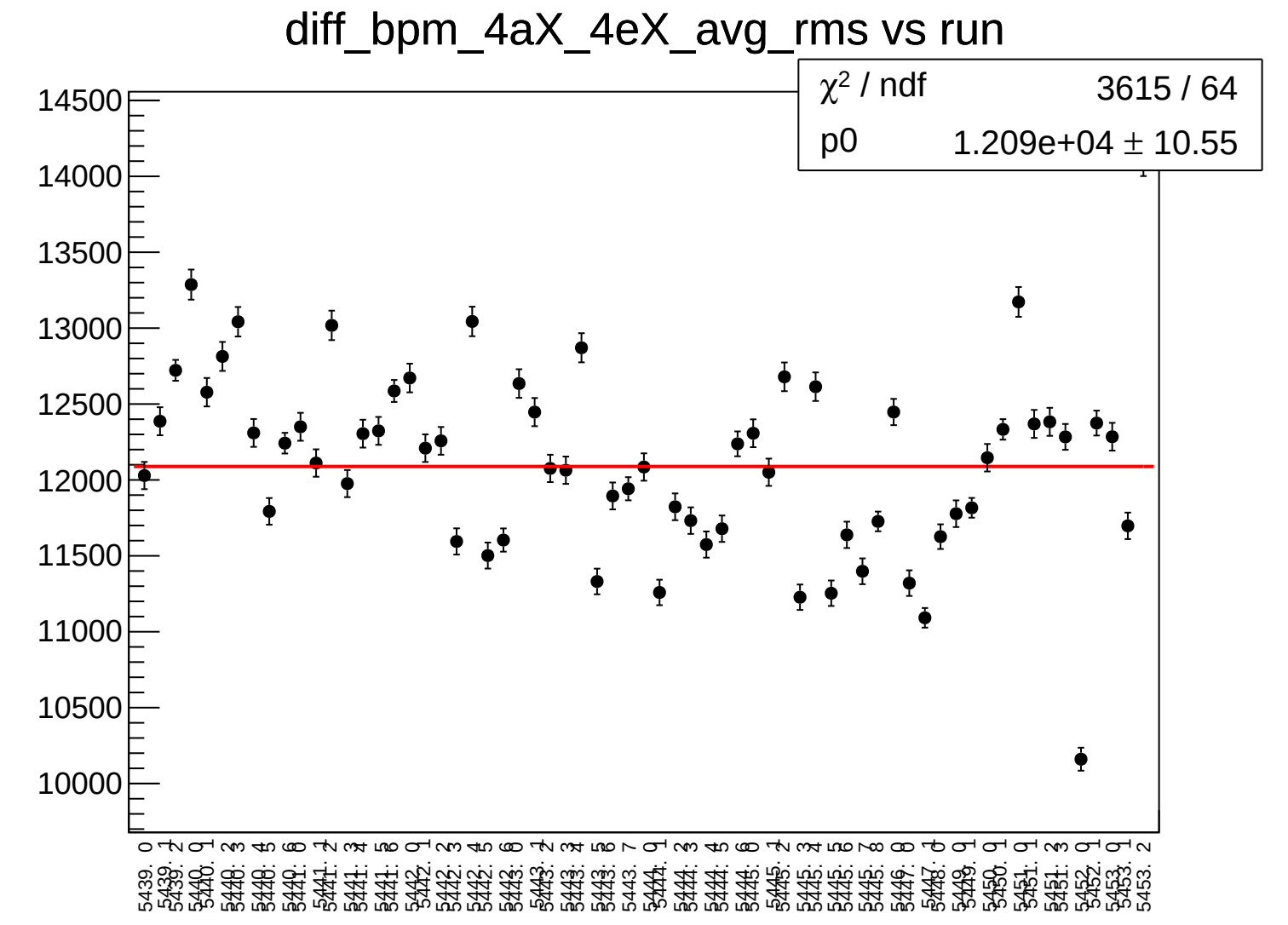

diff_bpm_4aX_4acX_dd_mean vs run
χ^2 / ndf 83.02 / 64
p0 0.09652 ± 0.5329
pull
Entries 65
Mean −53.95
Std Dev 0

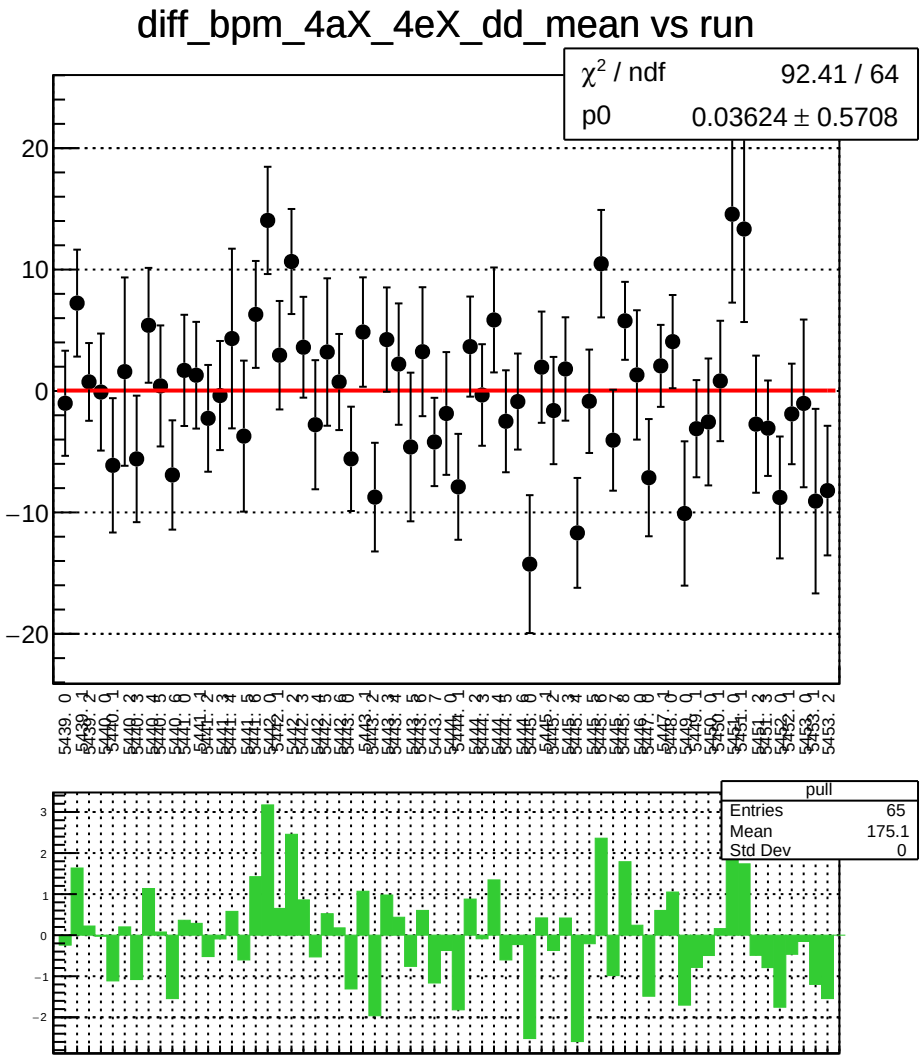

pull1D
Entries 65
Mean −0.02452
Std Dev 1.13

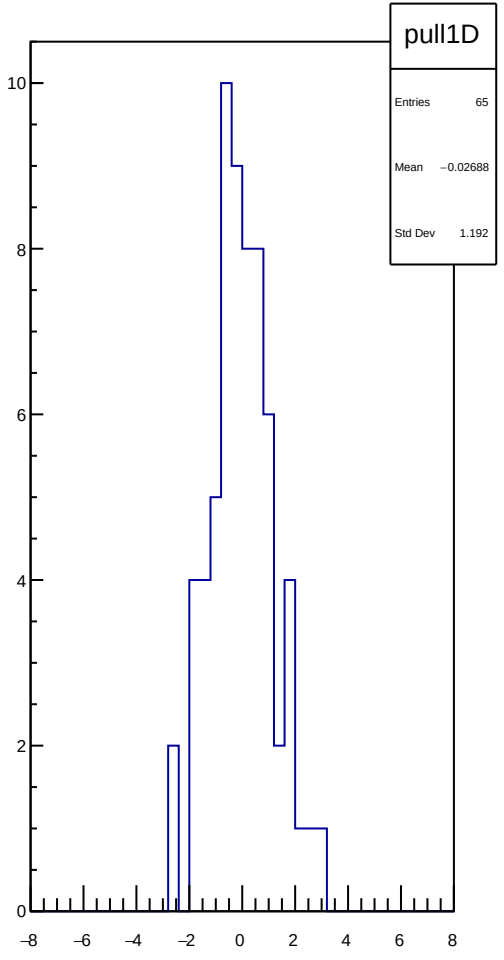

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 818.6 / 64
p0 432 ± 0.3768
480
470
460
450
440
430
420

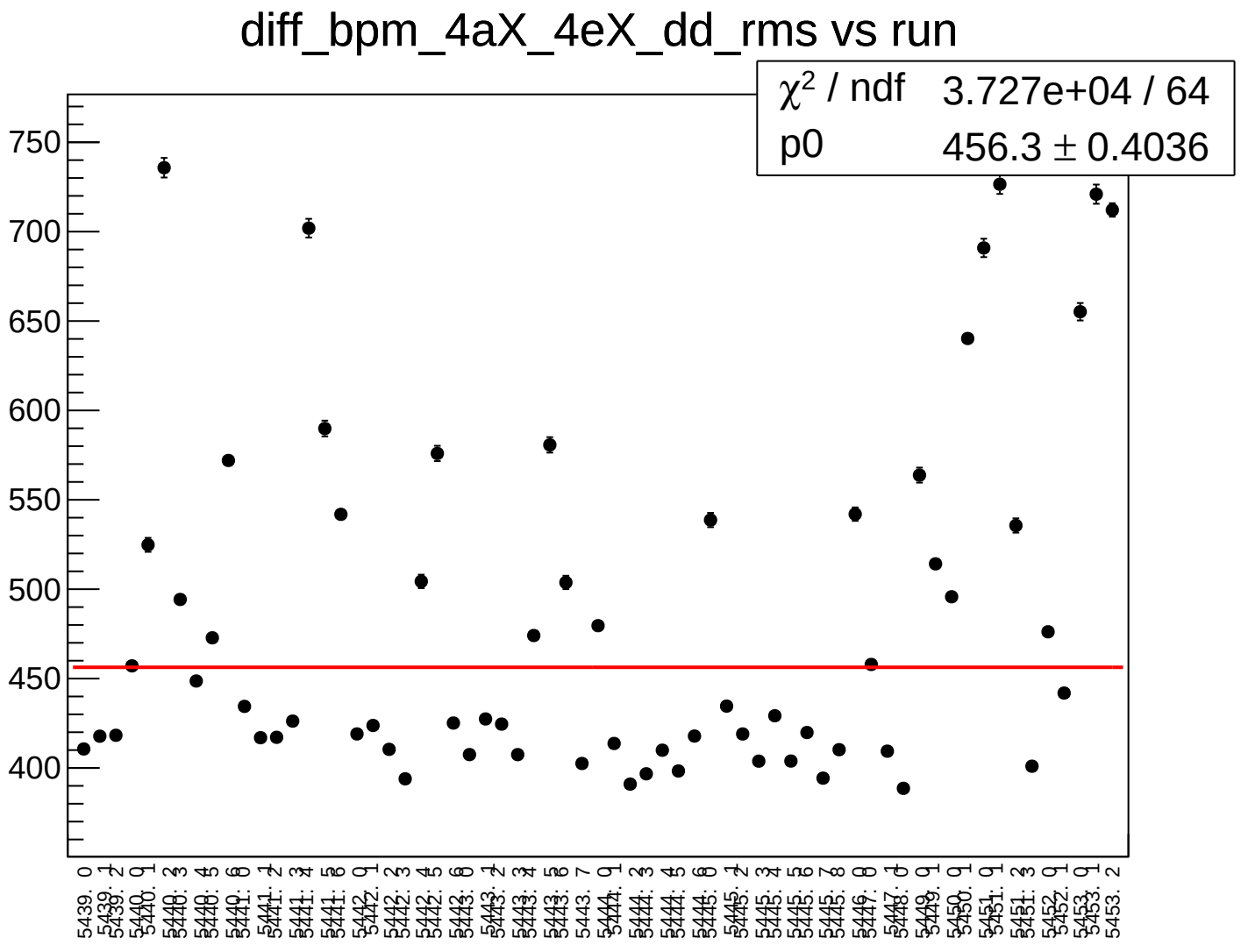

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 72.91 / 64
p0 −29.27 ± 14.93
400
200
0
−200
−400
pull
Entries 65
Mean −42.85
Std Dev 0
2
1
0
−1
−2

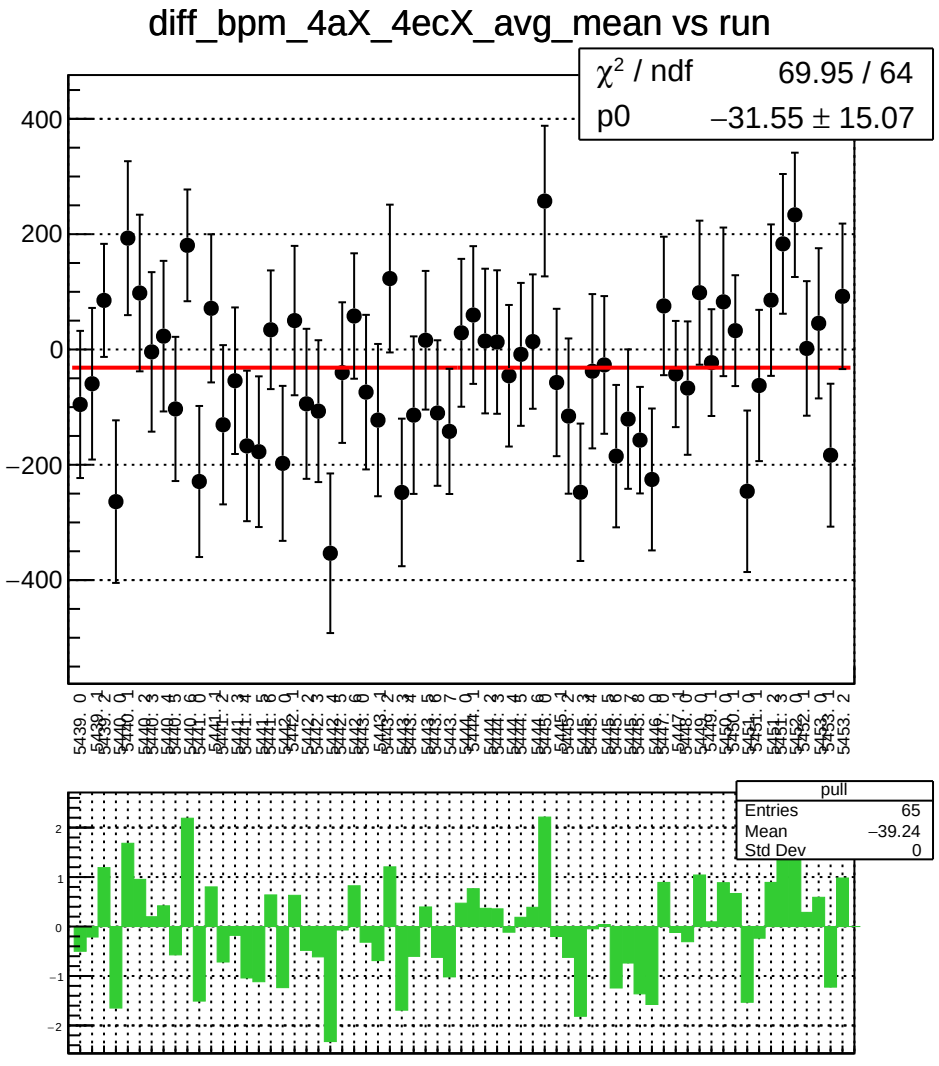

pull1D
Entries 65
Mean −0.03277
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

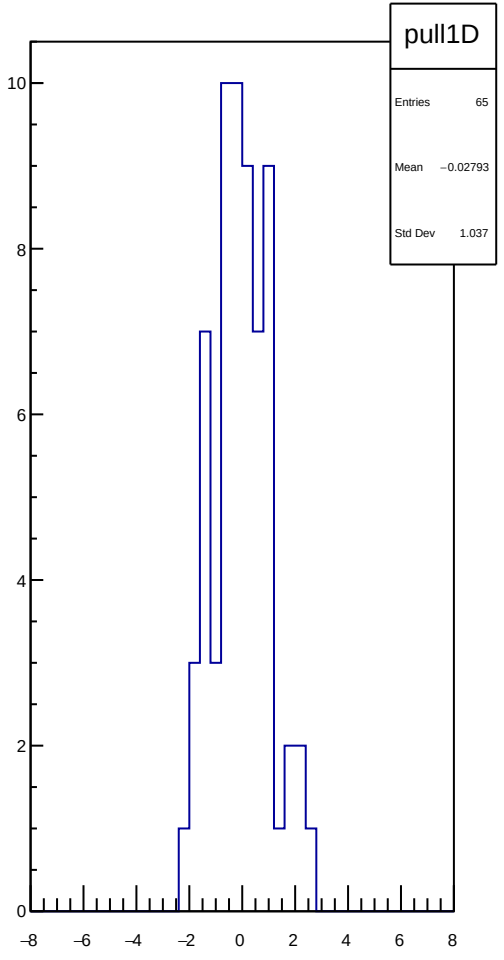

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 3615 / 64
p0 1.209e+04 ± 10.55
14500
14000
13500
13000
12500
12000
11500
11000
10500
10000

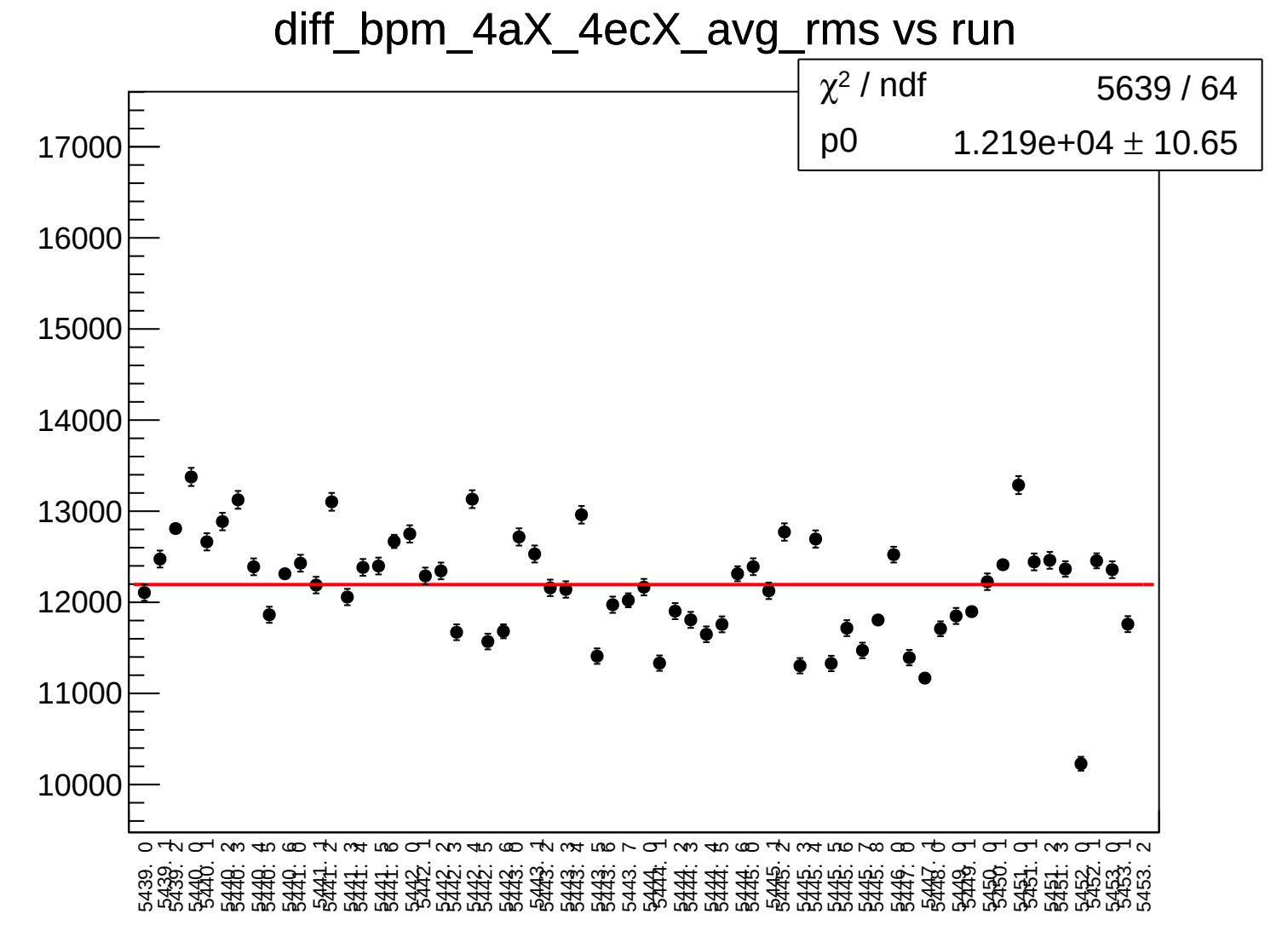

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 92.41 / 64
p0 0.03624 ± 0.5708
pull
Entries 65
Mean 175.1
Std Dev 0

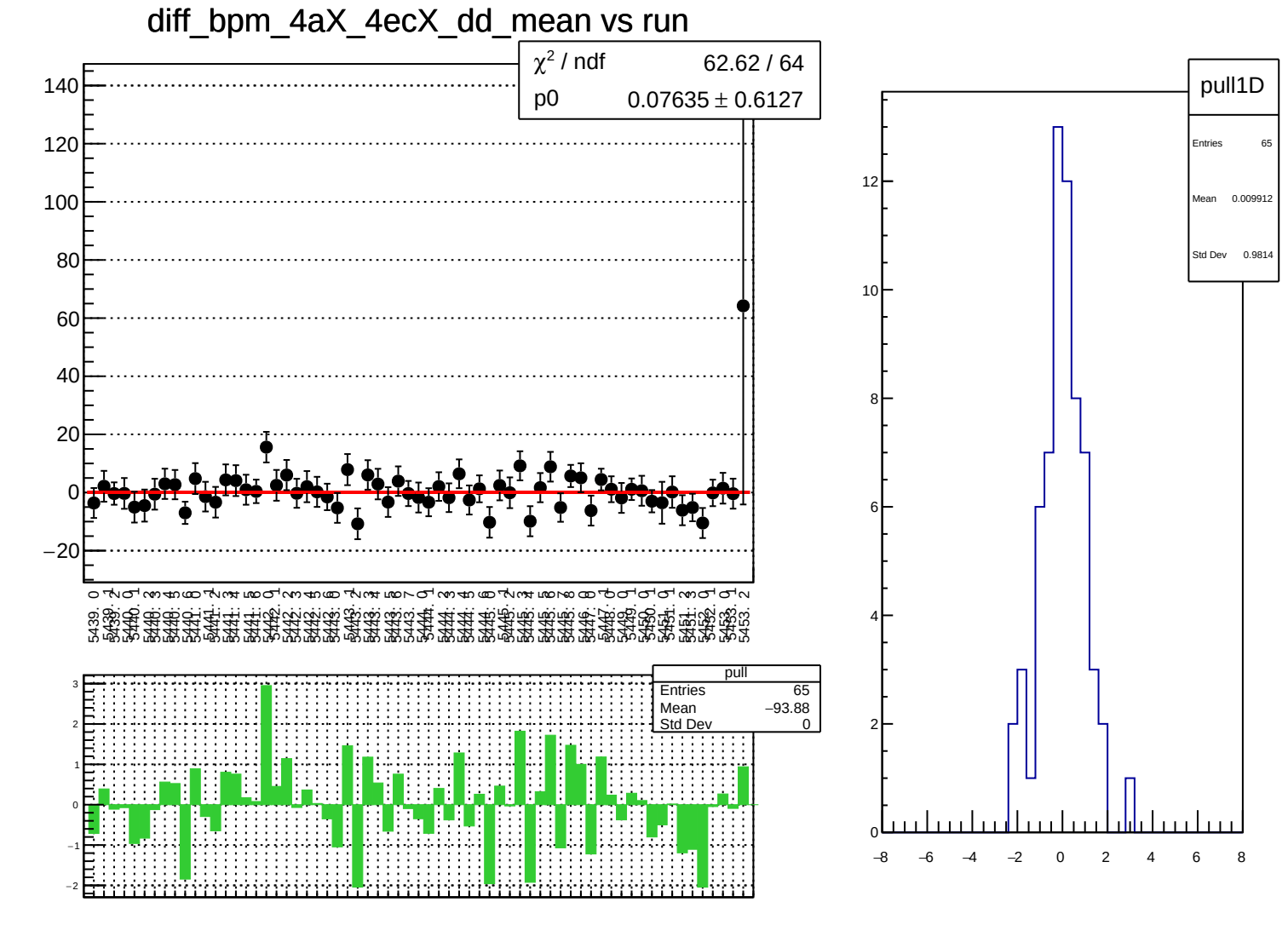

pull1D
Entries 65
Mean −0.02688
Std Dev 1.192

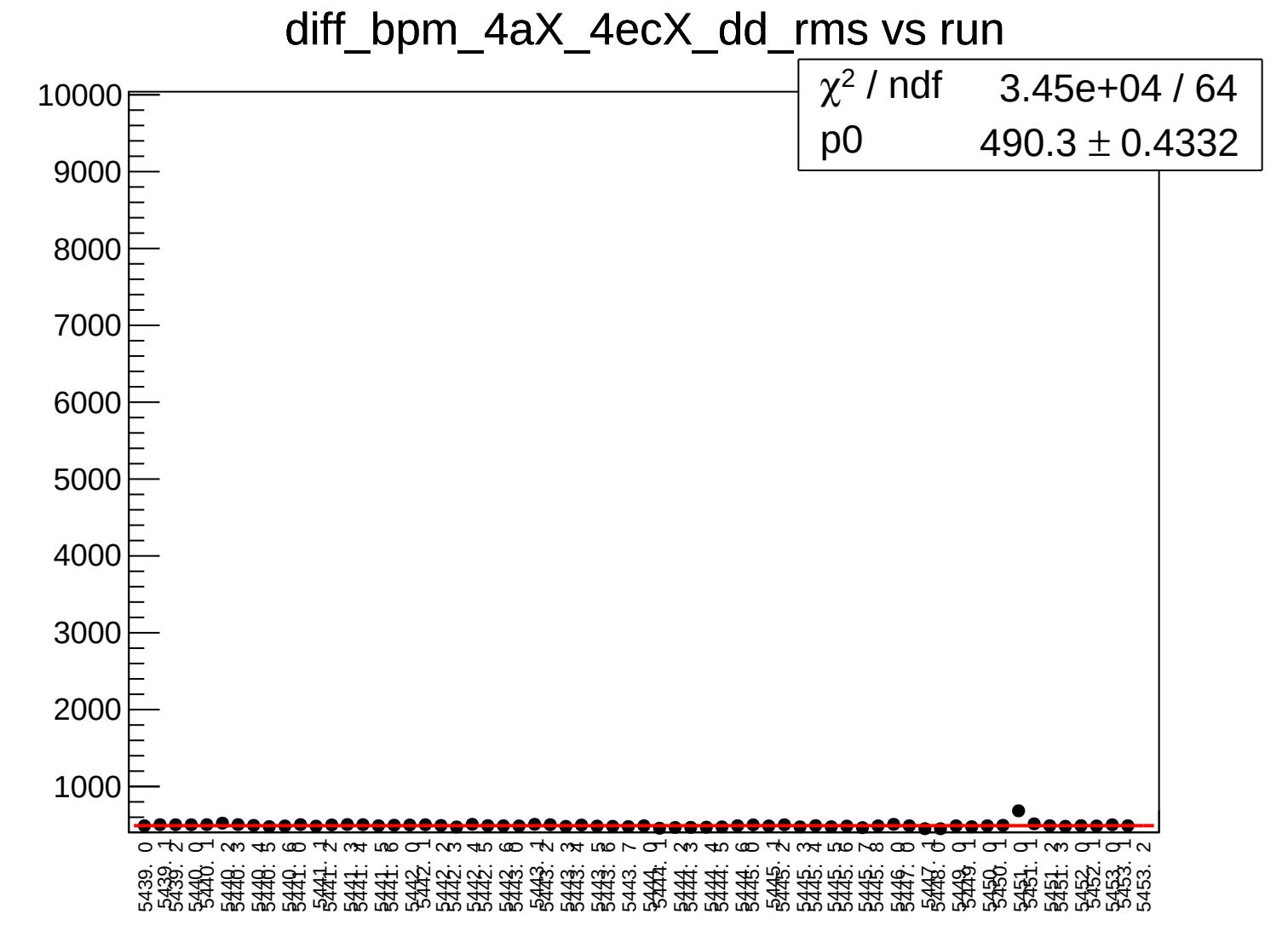

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 3.727e+04 / 64
p0 456.3 ± 0.4036
750
700
650
600
550
500
450
400

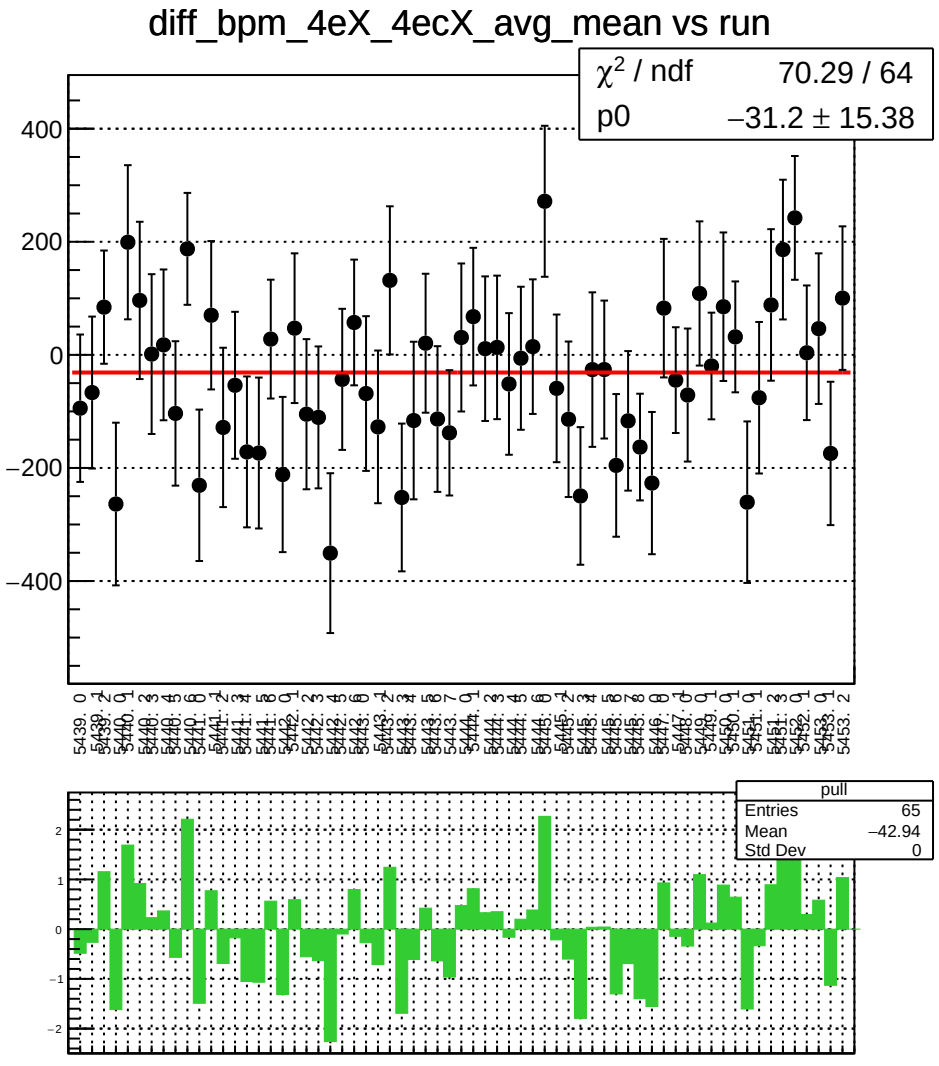

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 69.95 / 64
p0 −31.55 ± 15.07
400
200
0
−200
−400
pull
Entries 65
Mean −39.24
Std Dev 0
2
1
0
−1
−2

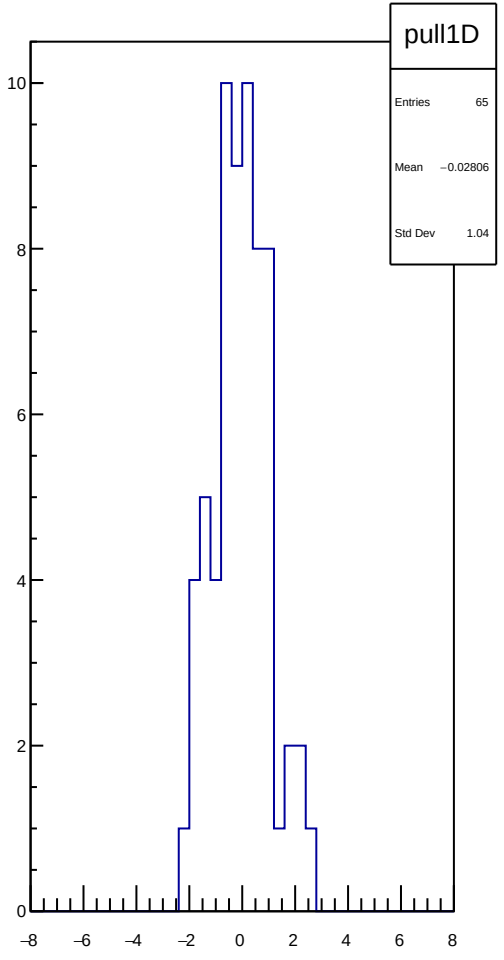

pull1D
Entries 65
Mean −0.02793
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

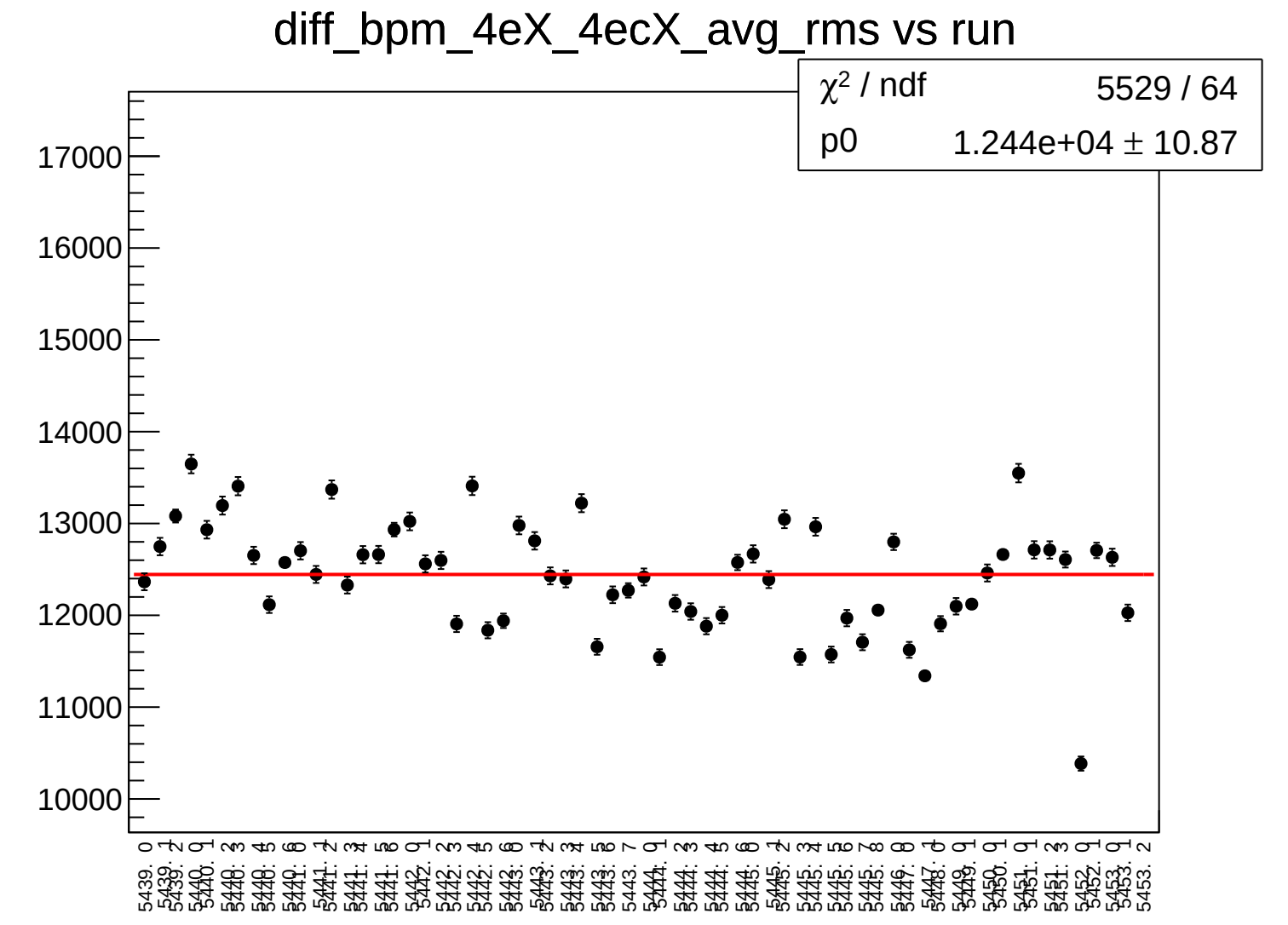

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 5639 / 64
p0 1.219e+04 ± 10.65
17000
16000
15000
14000
13000
12000
11000
10000

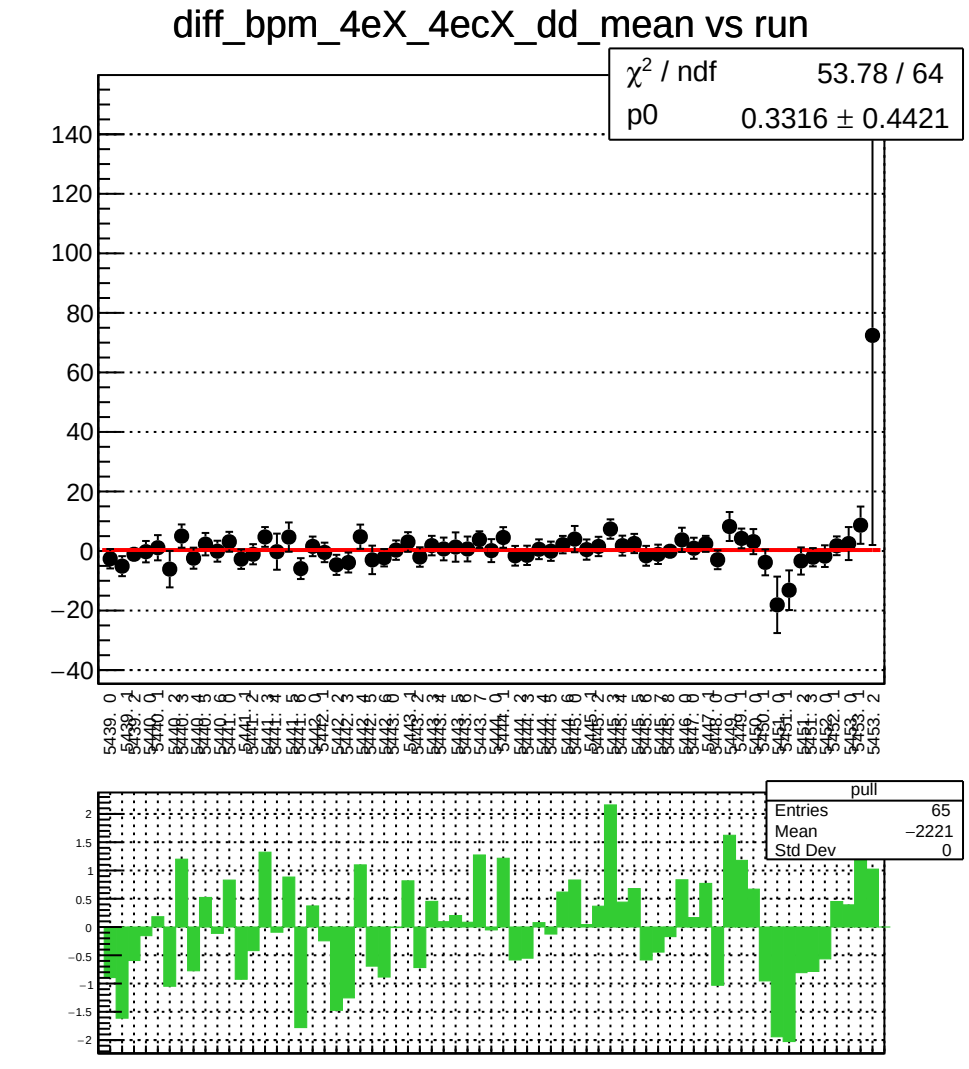

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 62.62 / 64
p0 0.07635 ± 0.6127
pull
Entries 65
Mean −93.88
Std Dev 0
pull1D
Entries 65
Mean 0.009912
Std Dev 0.9814

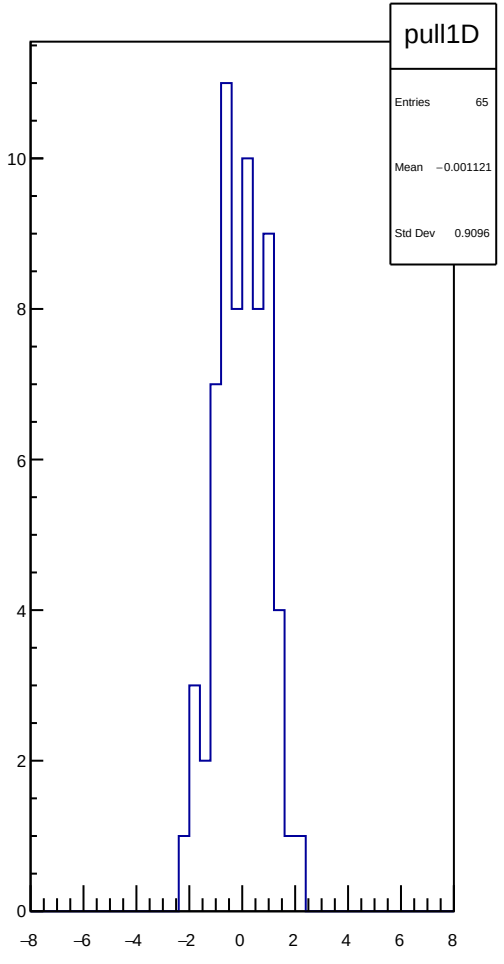

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 3.45e+04 / 64
p0 490.3 ± 0.4332
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000

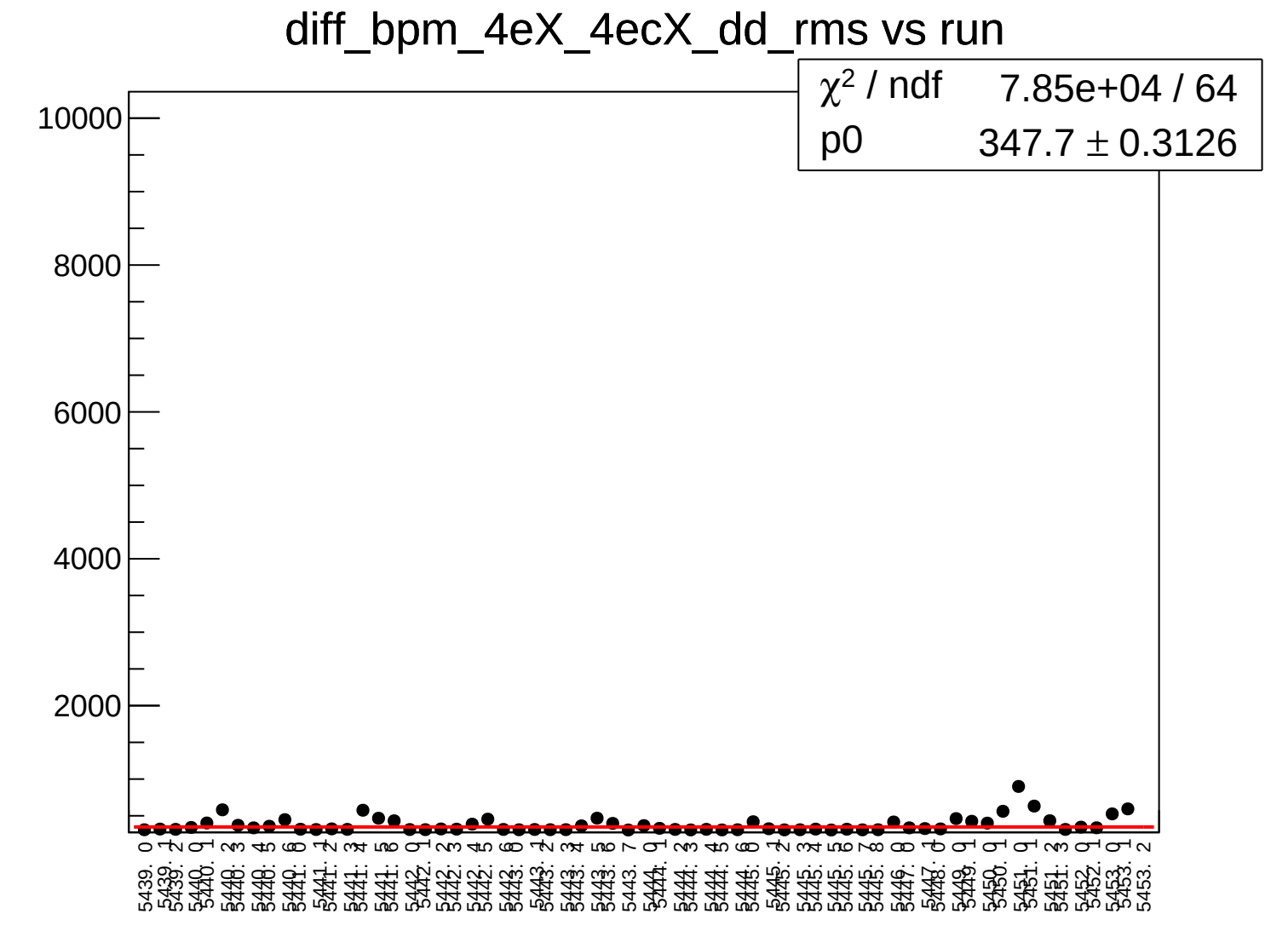

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 70.29 / 64
p0 −31.2 ± 15.38
400
200
0
−200
−400
pull
Entries 65
Mean −42.94
Std Dev 0
2
1
0
−1
−2

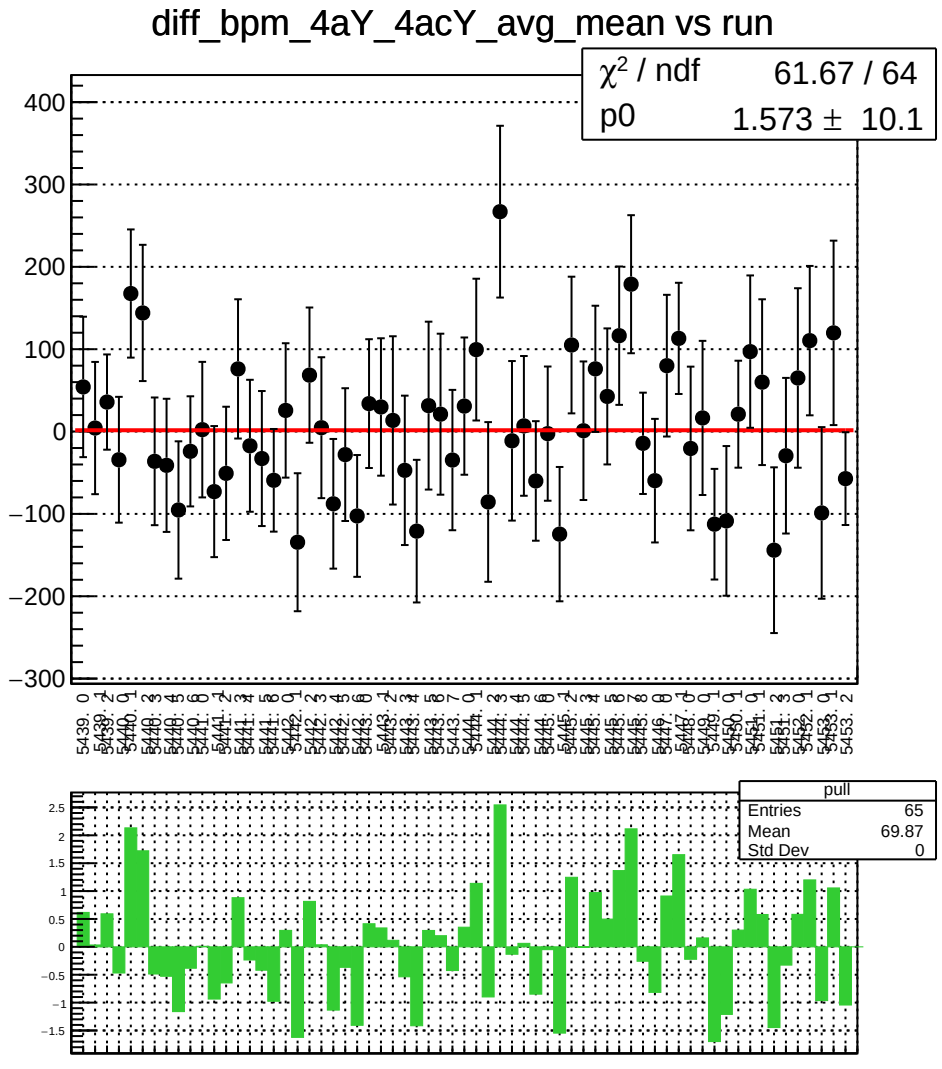

pull1D
Entries 65
Mean −0.02806
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

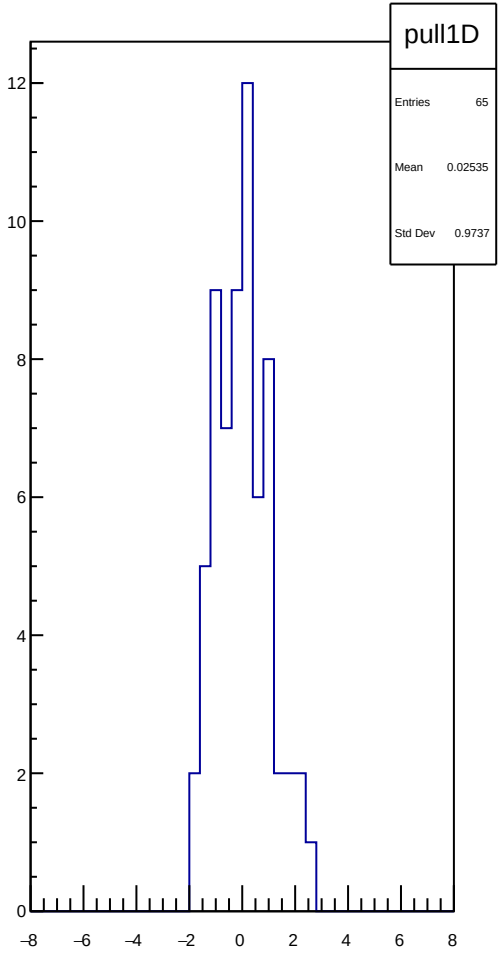

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 5529 / 64
p0 1.244e+04 ± 10.87
17000
16000
15000
14000
13000
12000
11000
10000

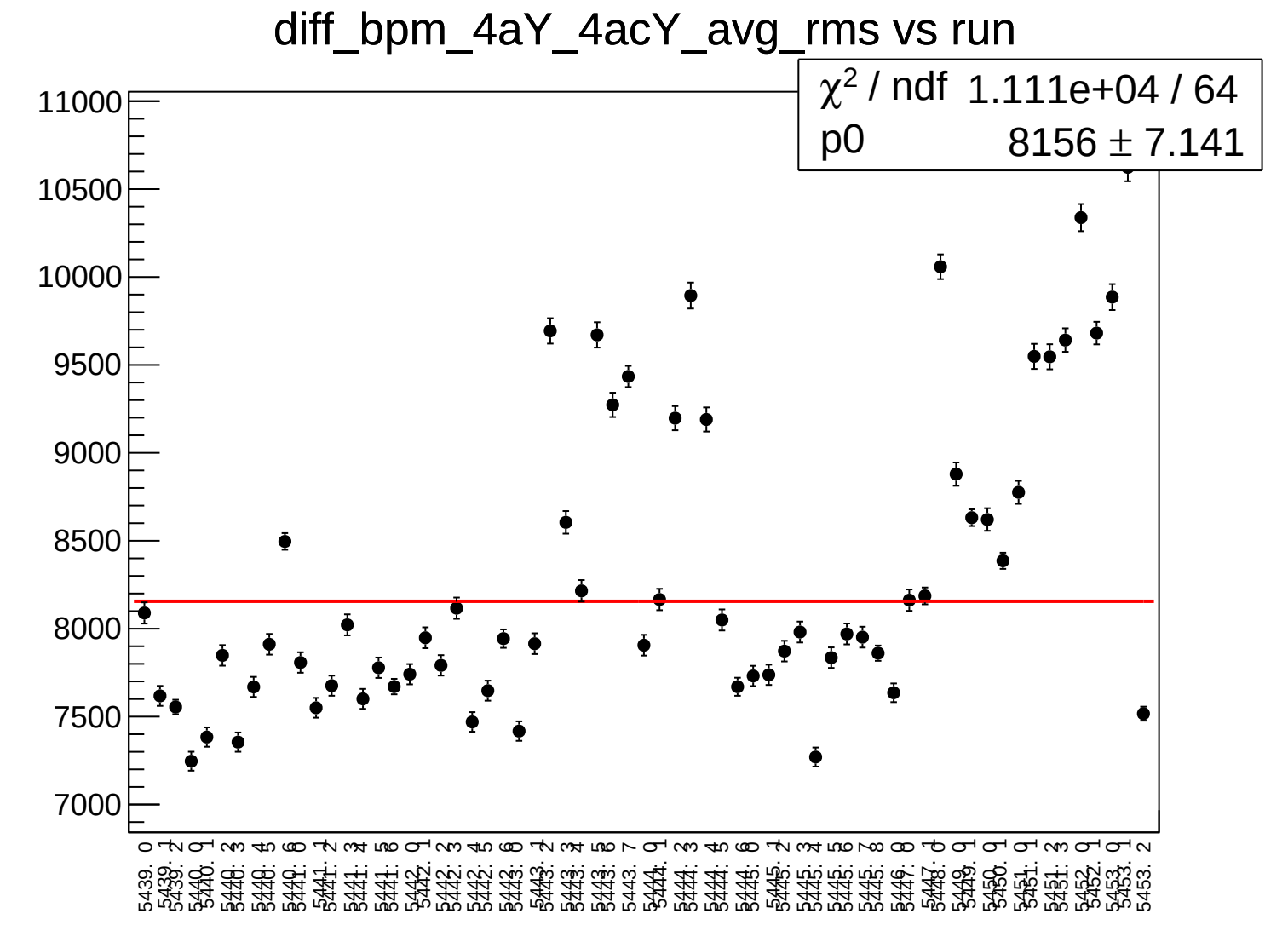

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 53.78 / 64
p0 0.3316 ± 0.4421
pull
Entries 65
Mean −2221
Std Dev 0

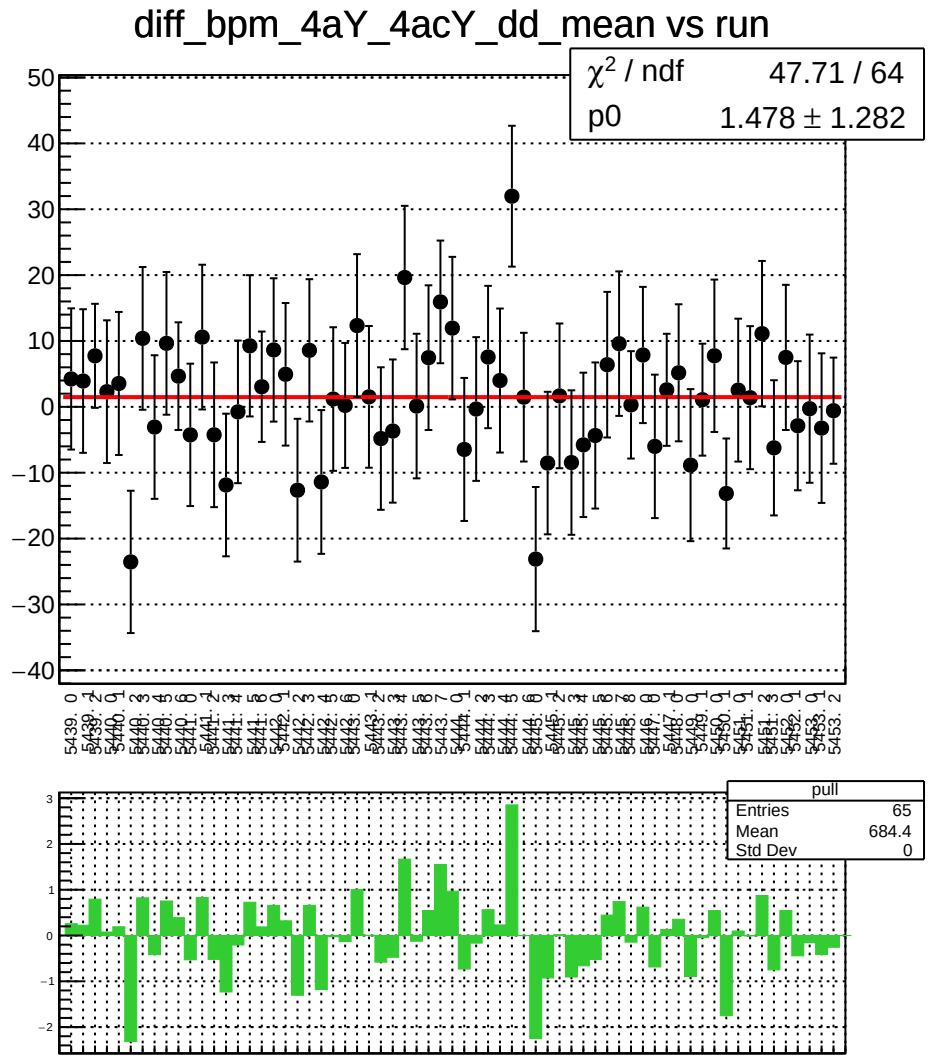

pull1D
Entries 65
Mean −0.001121
Std Dev 0.9096

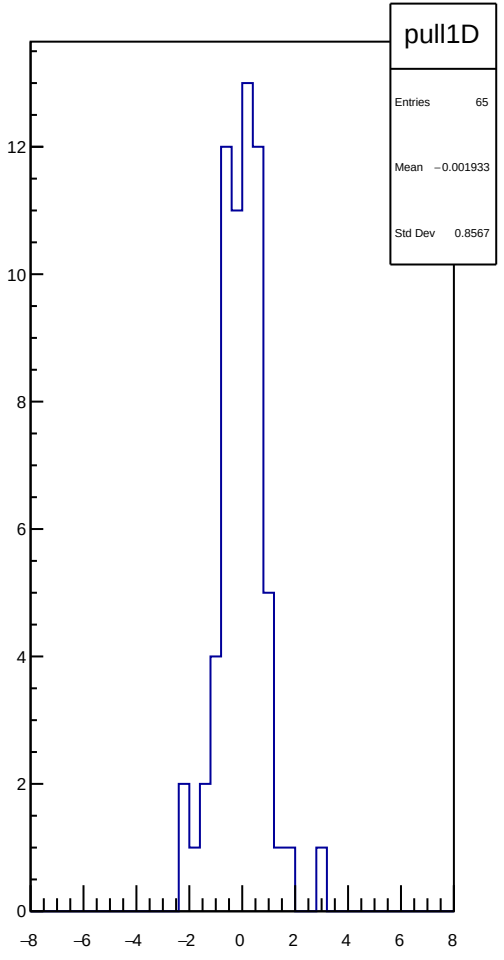

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 7.85e+04 / 64
p0 347.7 ± 0.3126
10000
8000
6000
4000
2000

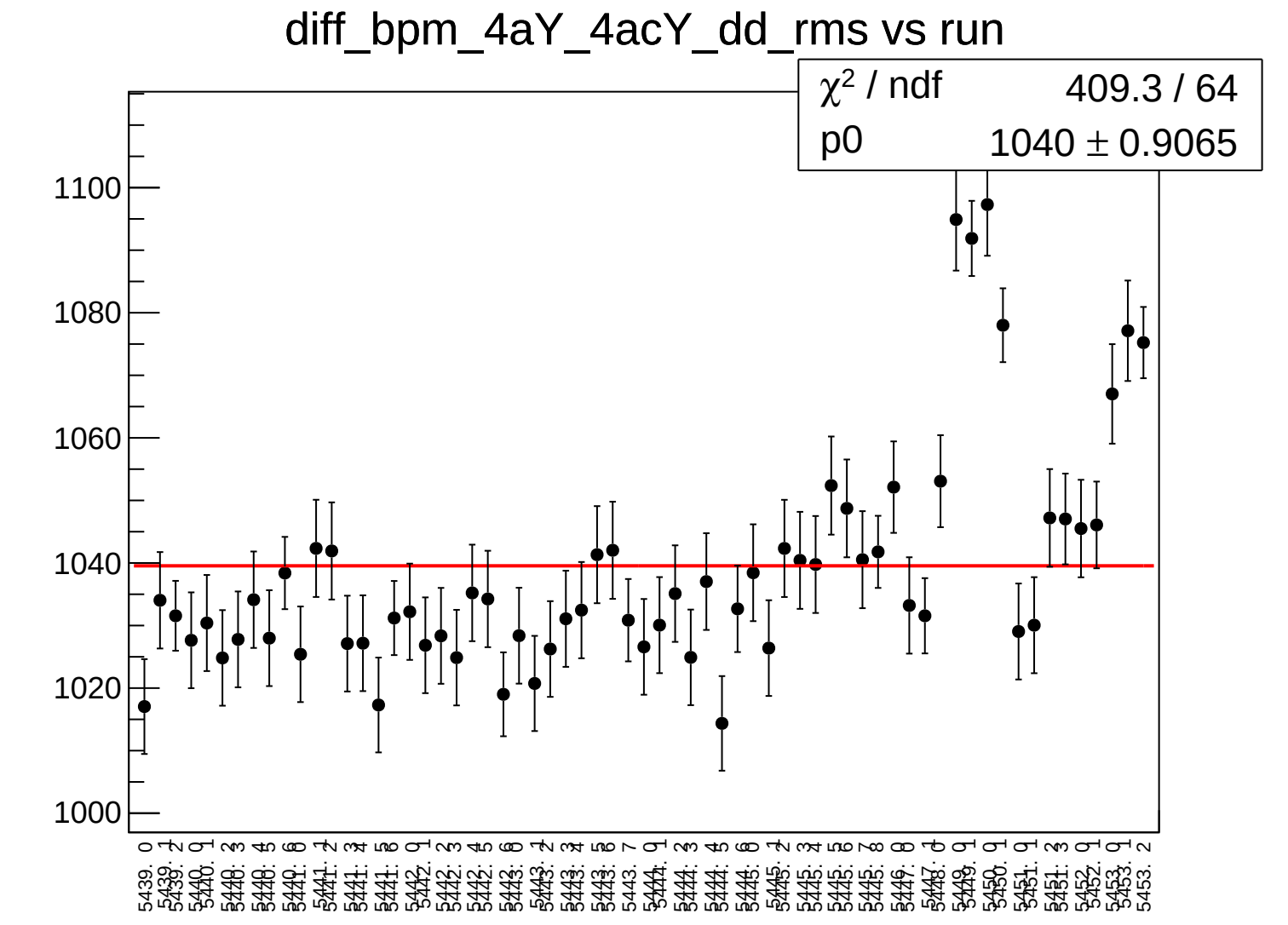

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 61.67 / 64
p0 1.573 ± 10.1
pull
Entries 65
Mean 69.87
Std Dev 0

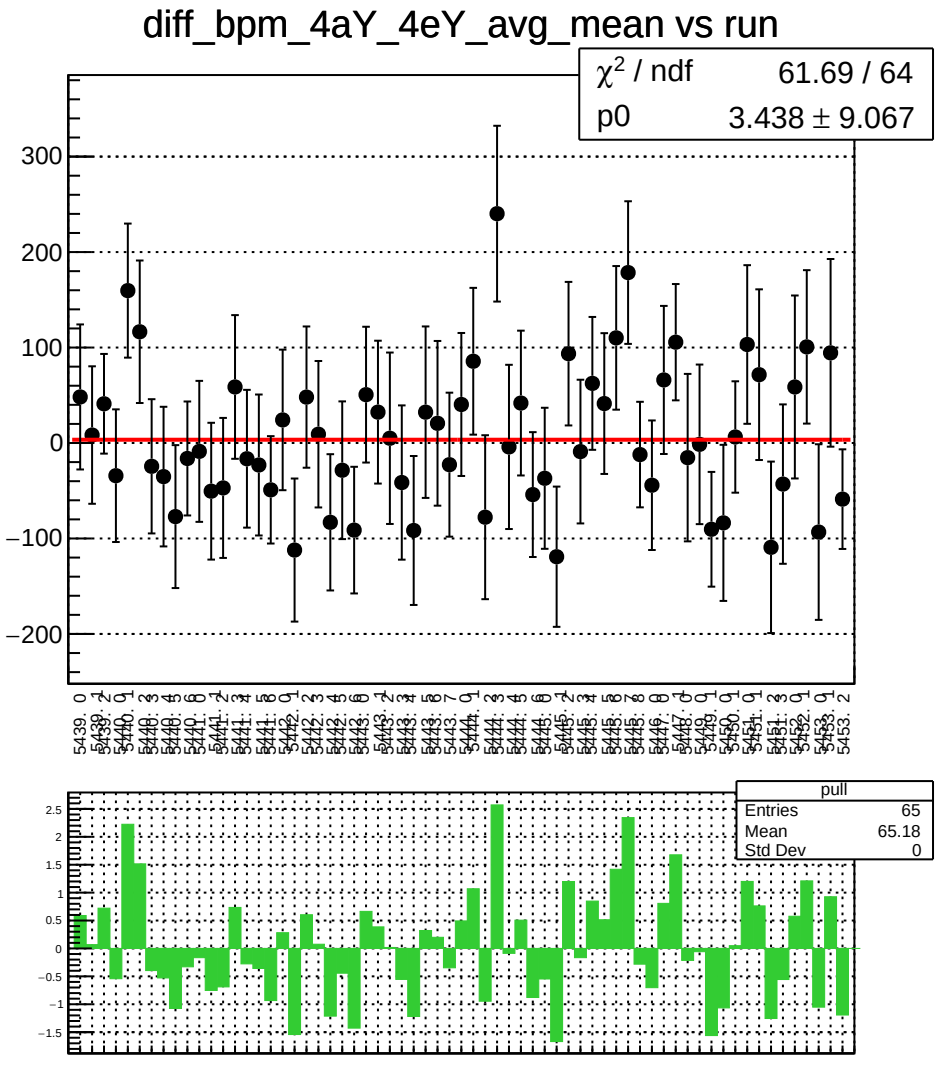

pull1D
Entries 65
Mean 0.02535
Std Dev 0.9737

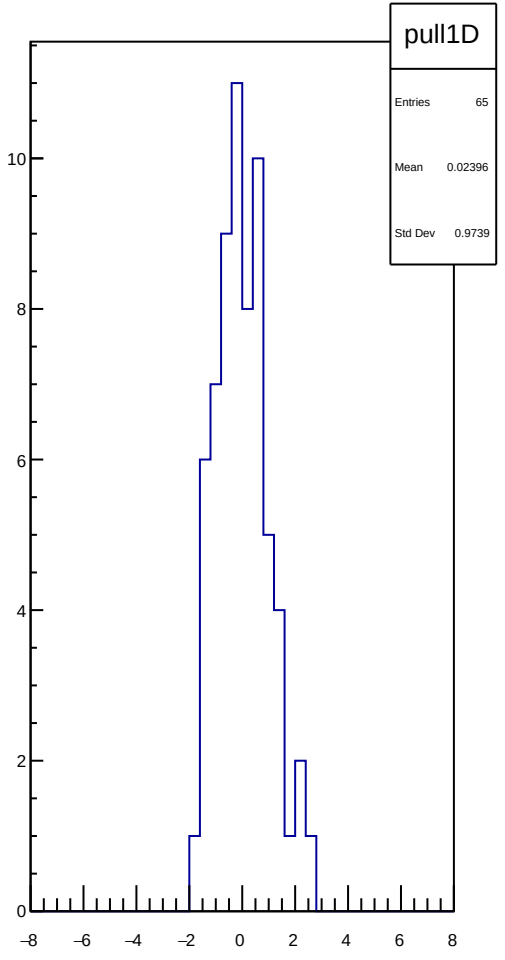

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 1.111e+04 / 64
p0 8156 ± 7.141
11000
10500
10000
9500
9000
8500
8000
7500
7000

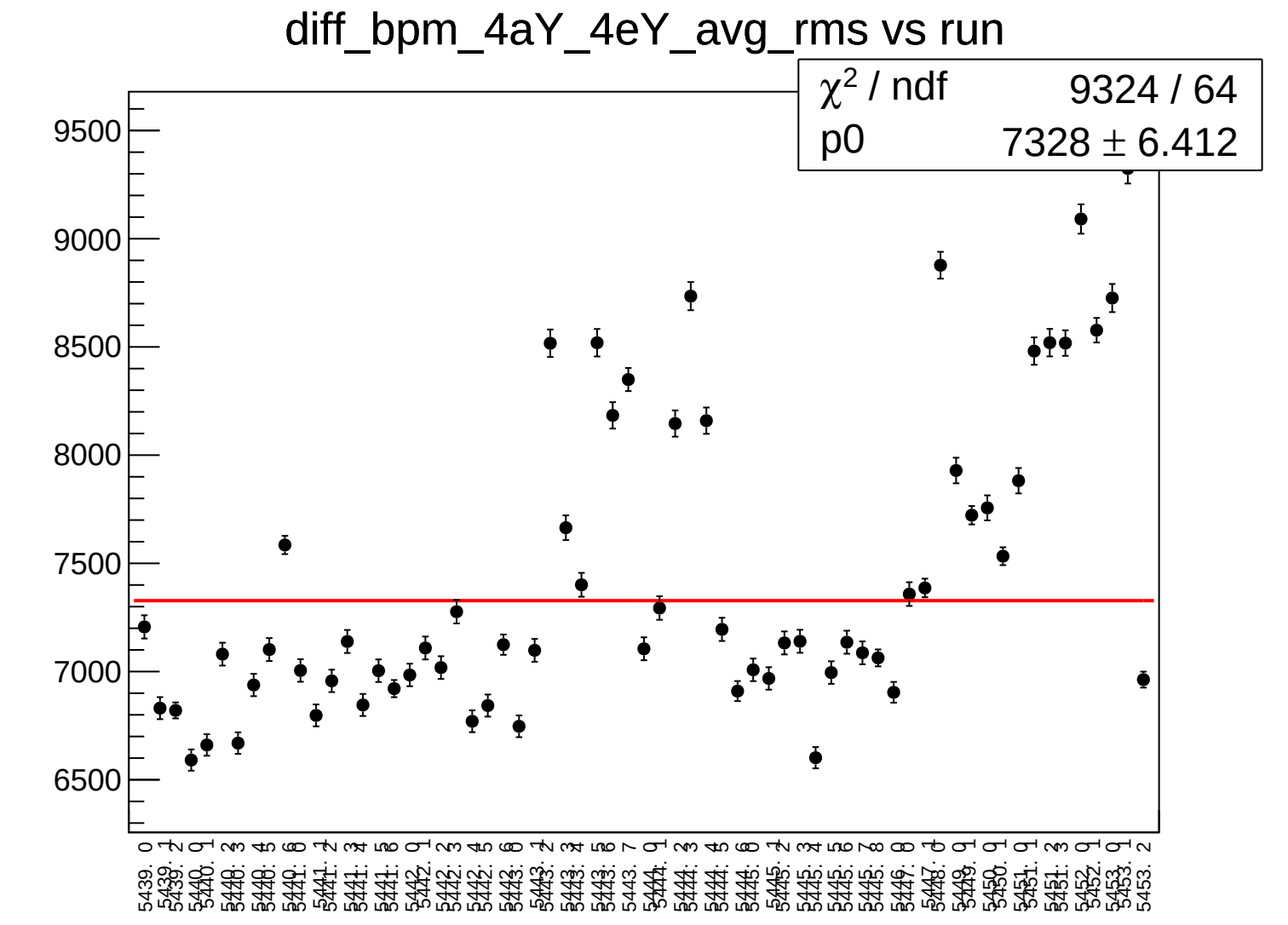

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 47.71 / 64
p0 1.478 ± 1.282
pull
Entries 65
Mean 684.4
Std Dev 0

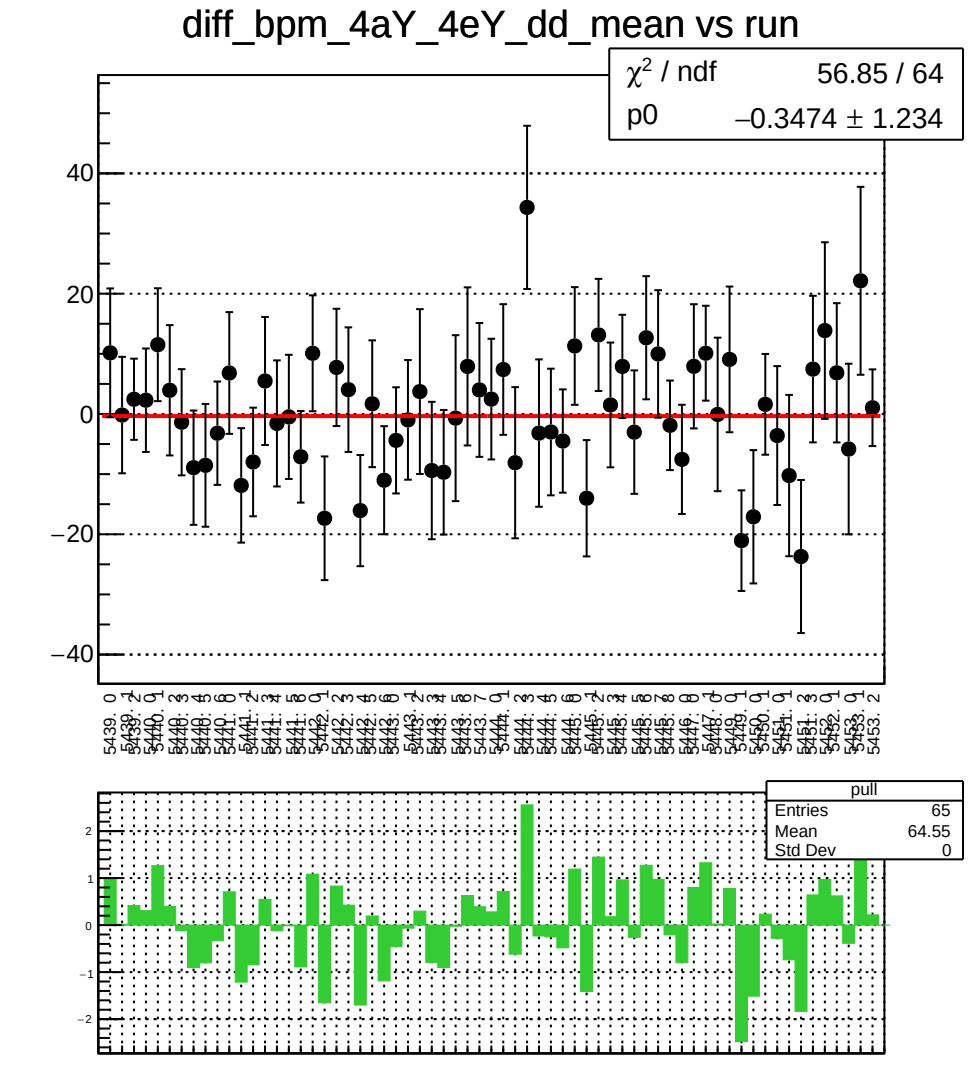

pull1D
Entries 65
Mean −0.001933
Std Dev 0.8567

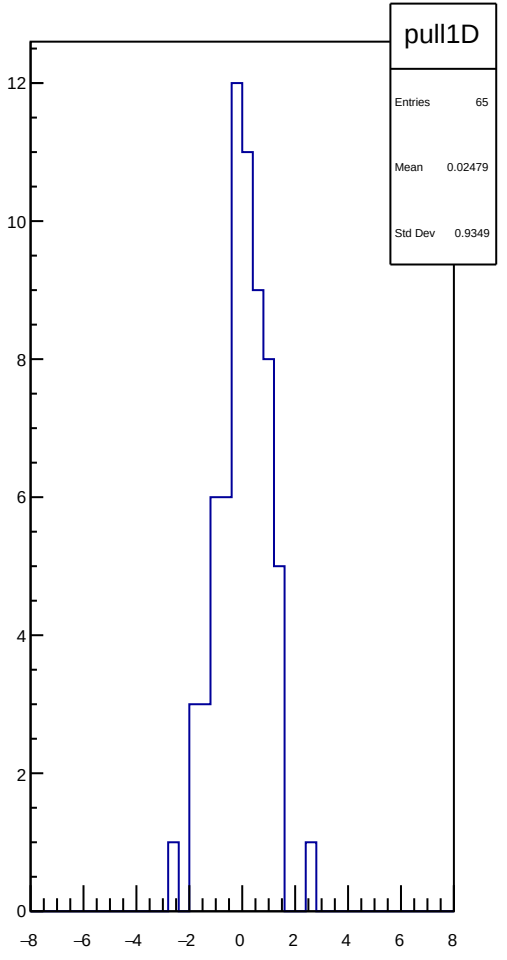

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 409.3 / 64
p0 1040 ± 0.9065
1100
1080
1060
1040
1020
1000

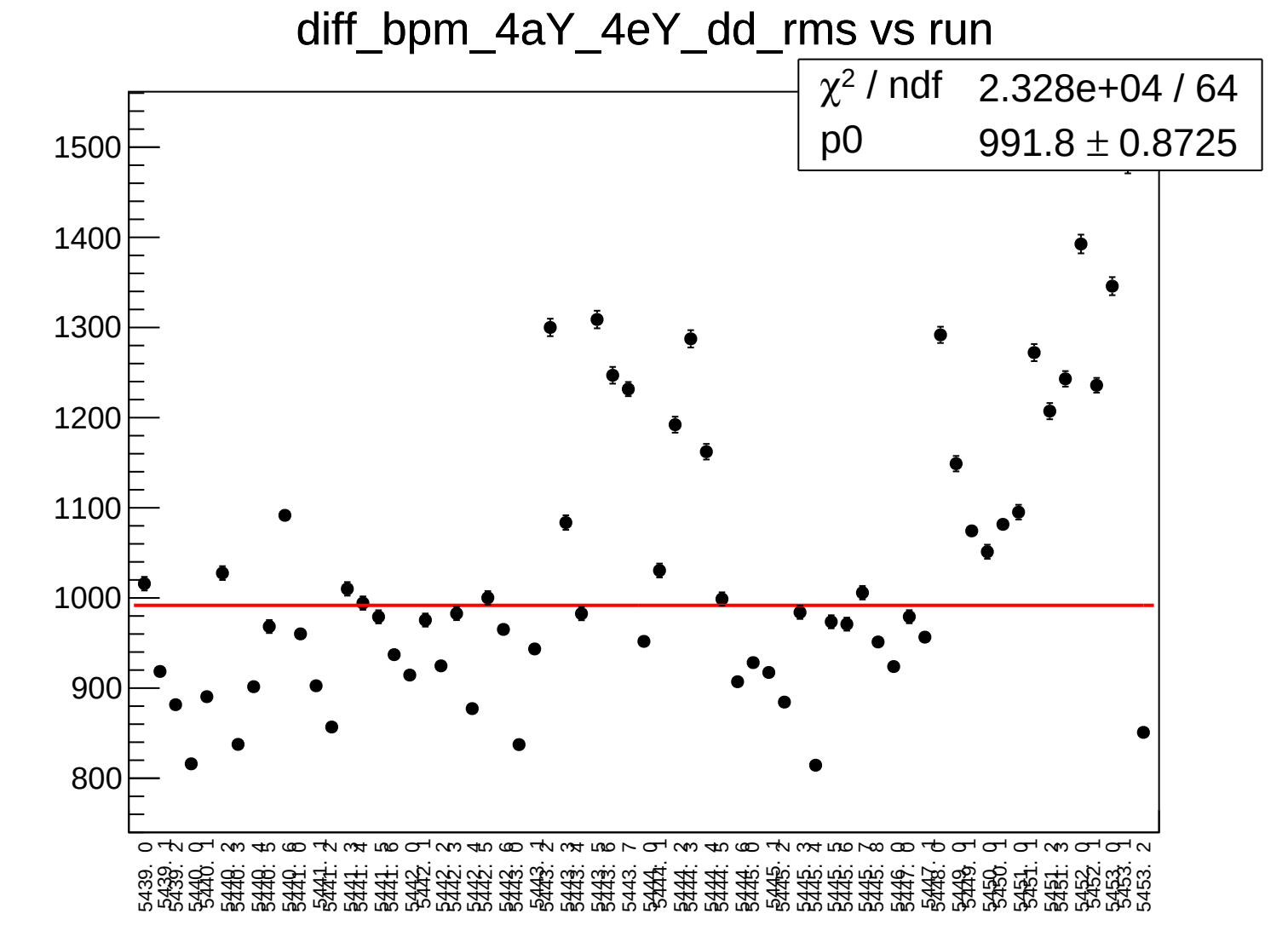

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 61.69 / 64
p0 3.438 ± 9.067
300
200
100
0
−100
−200
pull
Entries 65
Mean 65.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

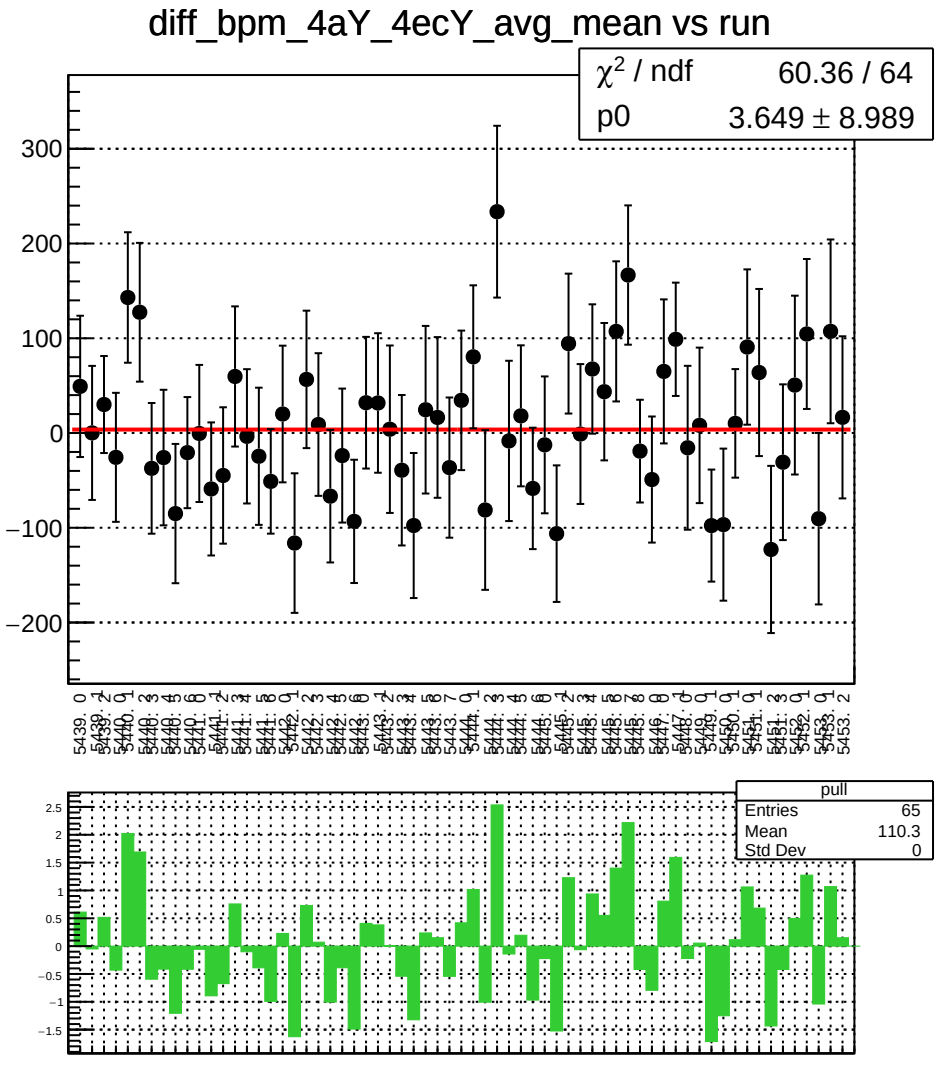

pull1D
Entries 65
Mean 0.02396
Std Dev 0.9739
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

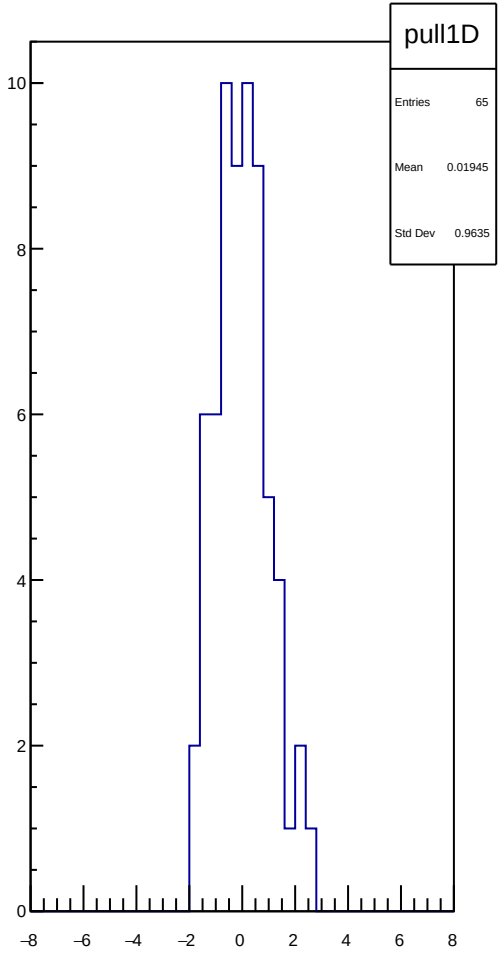

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 9324 / 64
p0 7328 ± 6.412
9500
9000
8500
8000
7500
7000
6500

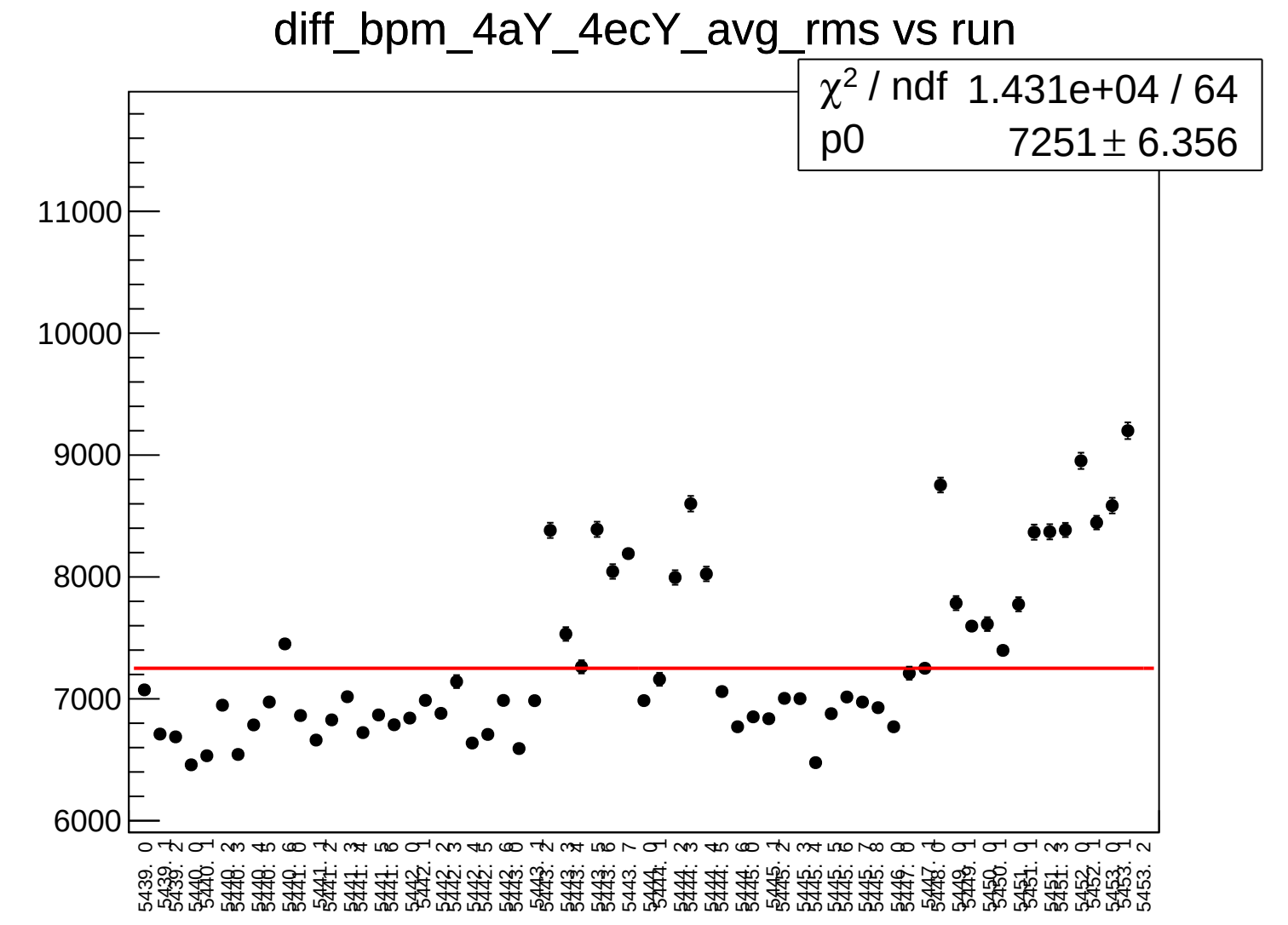

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 56.85 / 64
p0 −0.3474 ± 1.234
pull
Entries 65
Mean 64.55
Std Dev 0

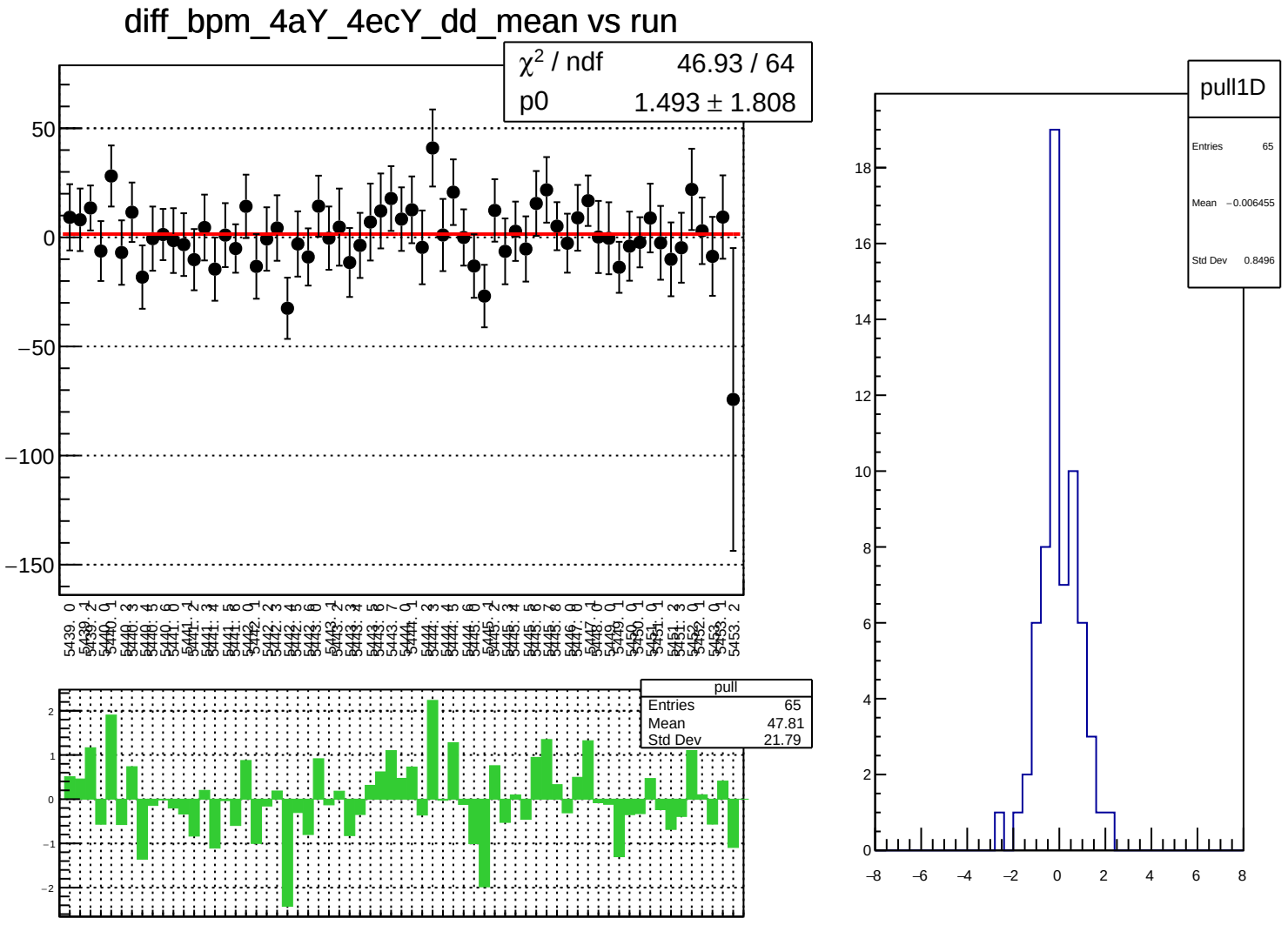

pull1D
Entries 65
Mean 0.02479
Std Dev 0.9349

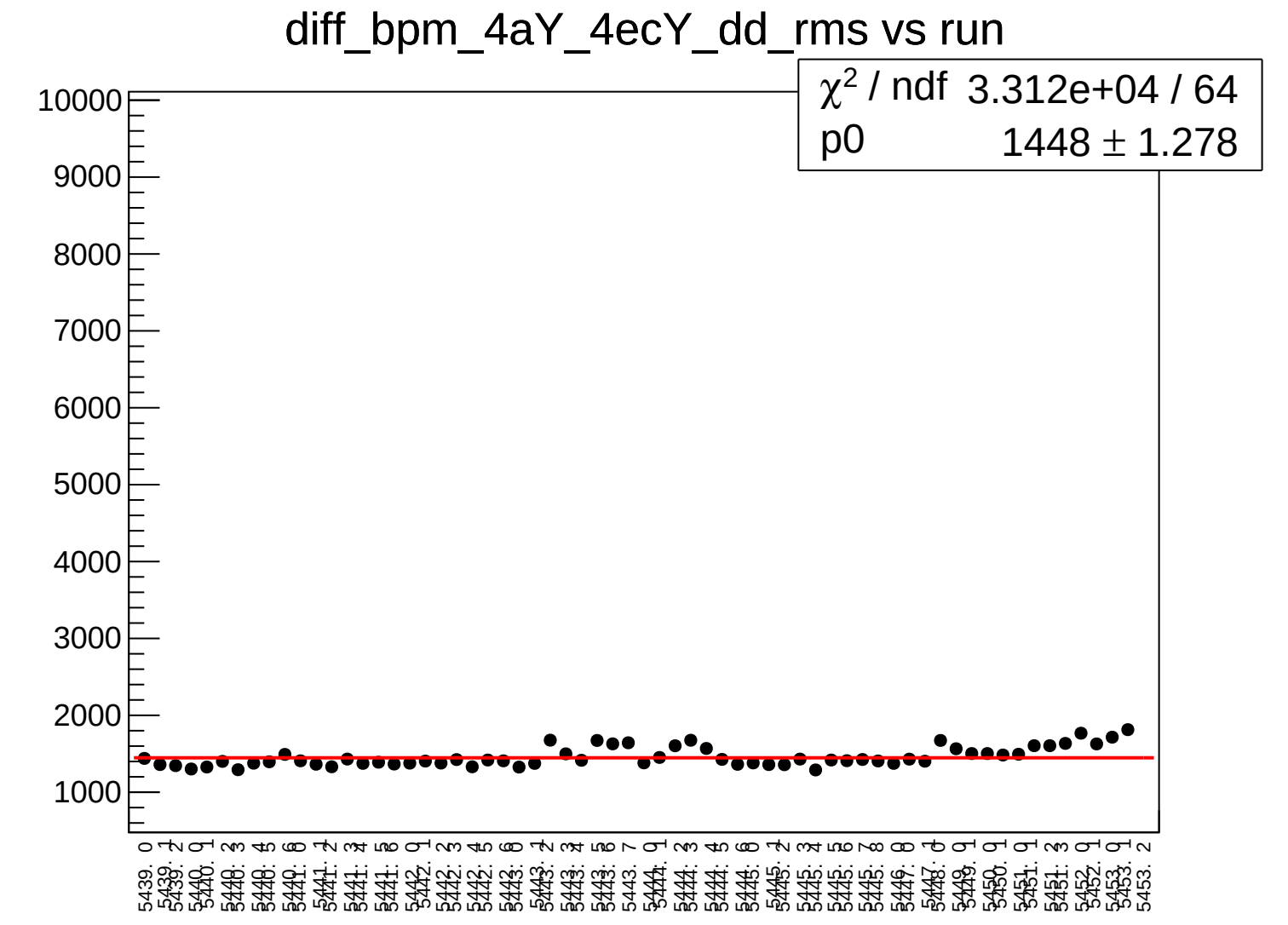

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 2.328e+04 / 64
p0 991.8 ± 0.8725
1500
1400
1300
1200
1100
1000
900
800

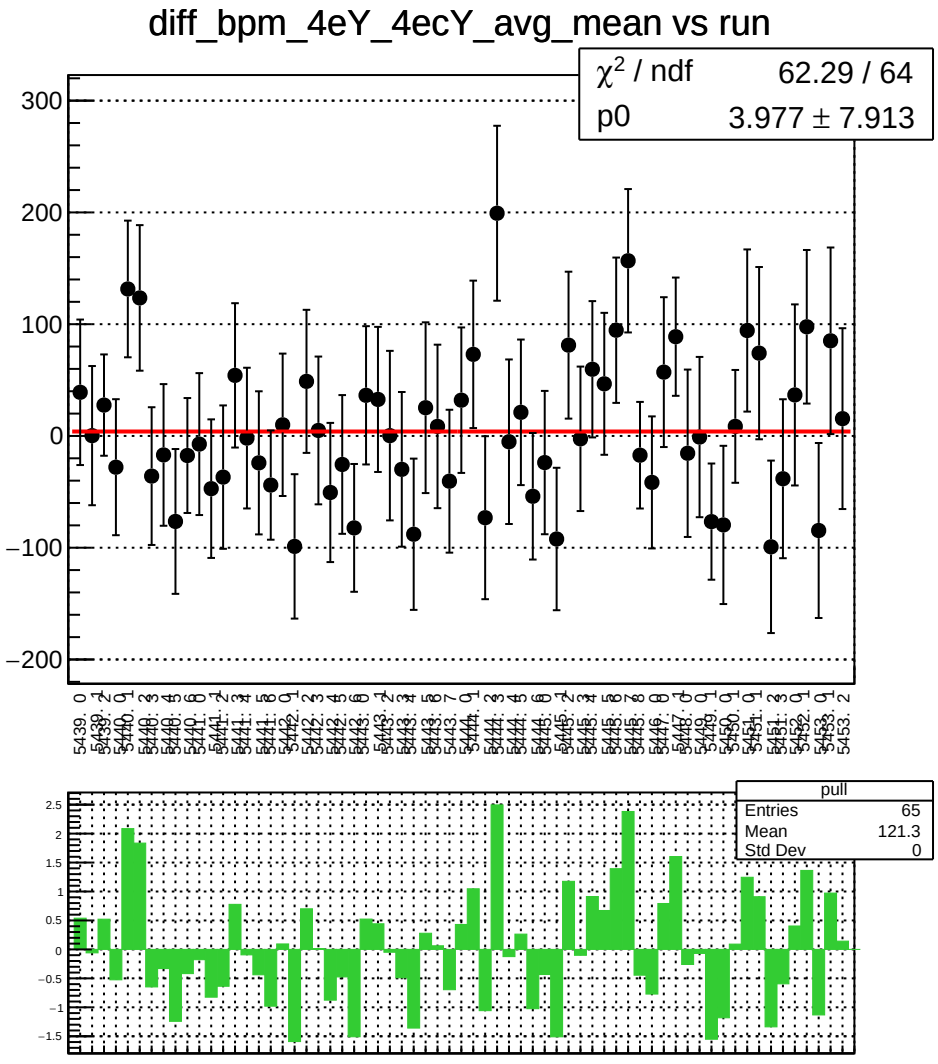

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 60.36 / 64
p0 3.649 ± 8.989
pull
Entries 65
Mean 110.3
Std Dev 0

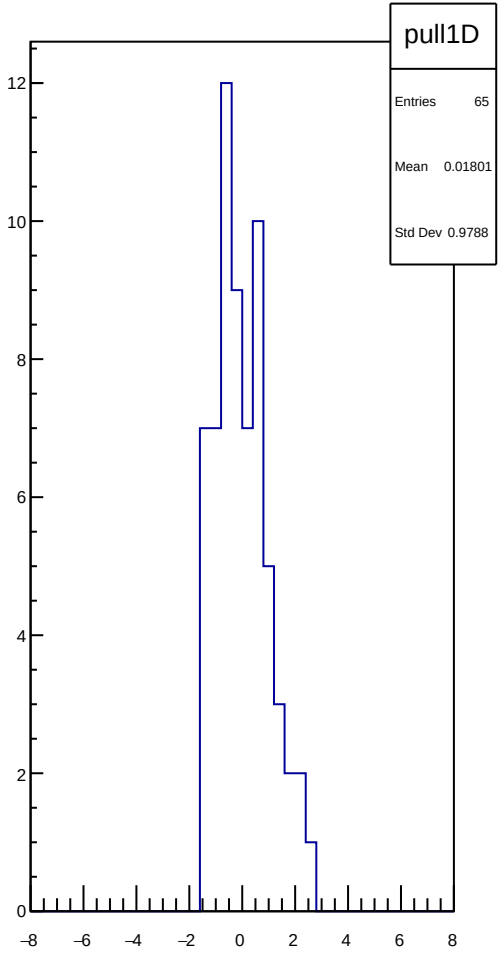

pull1D
Entries 65
Mean 0.01945
Std Dev 0.9635

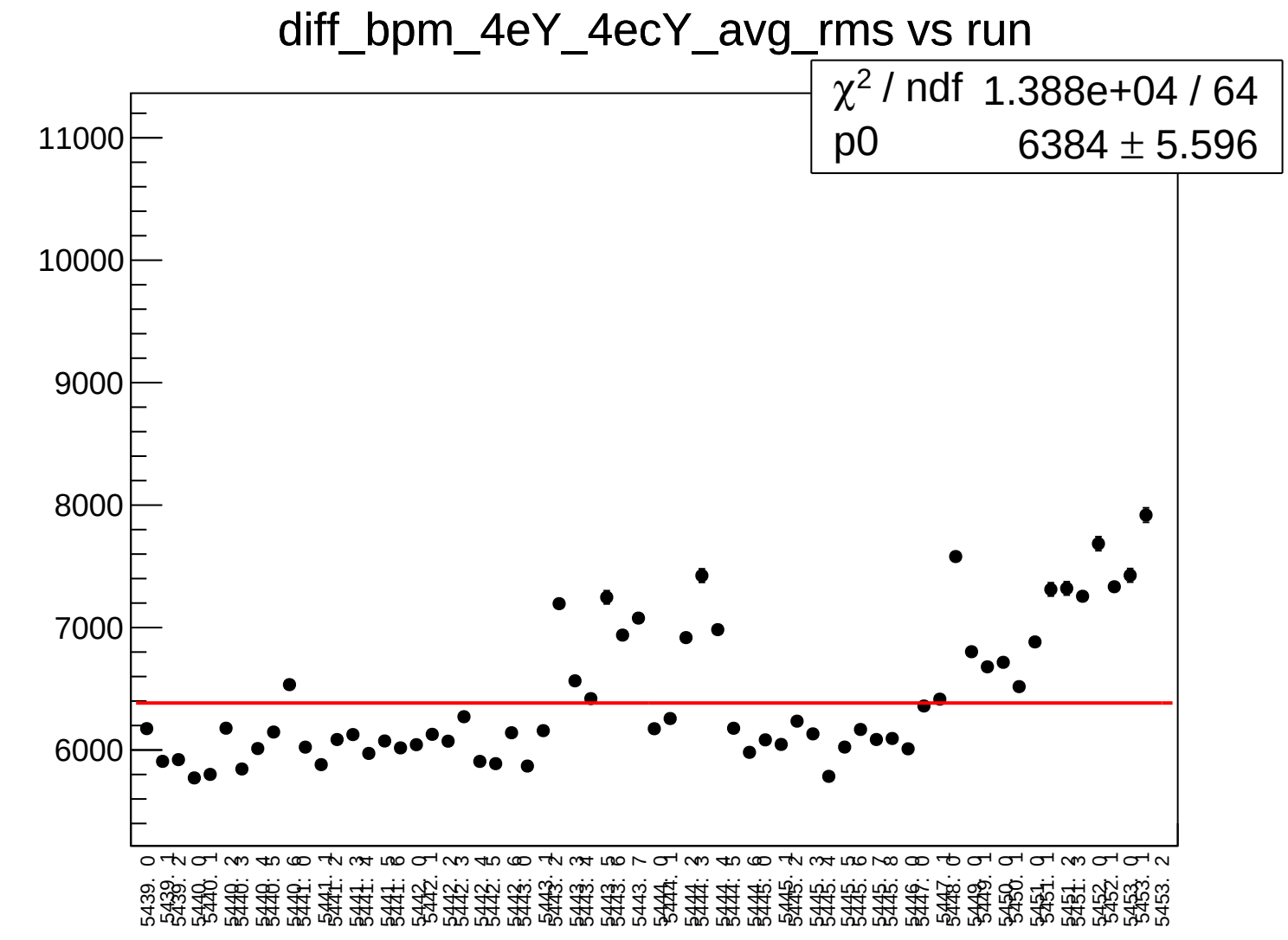

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 1.431e+04 / 64
p0 7251 ± 6.356
11000
10000
9000
8000
7000
6000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

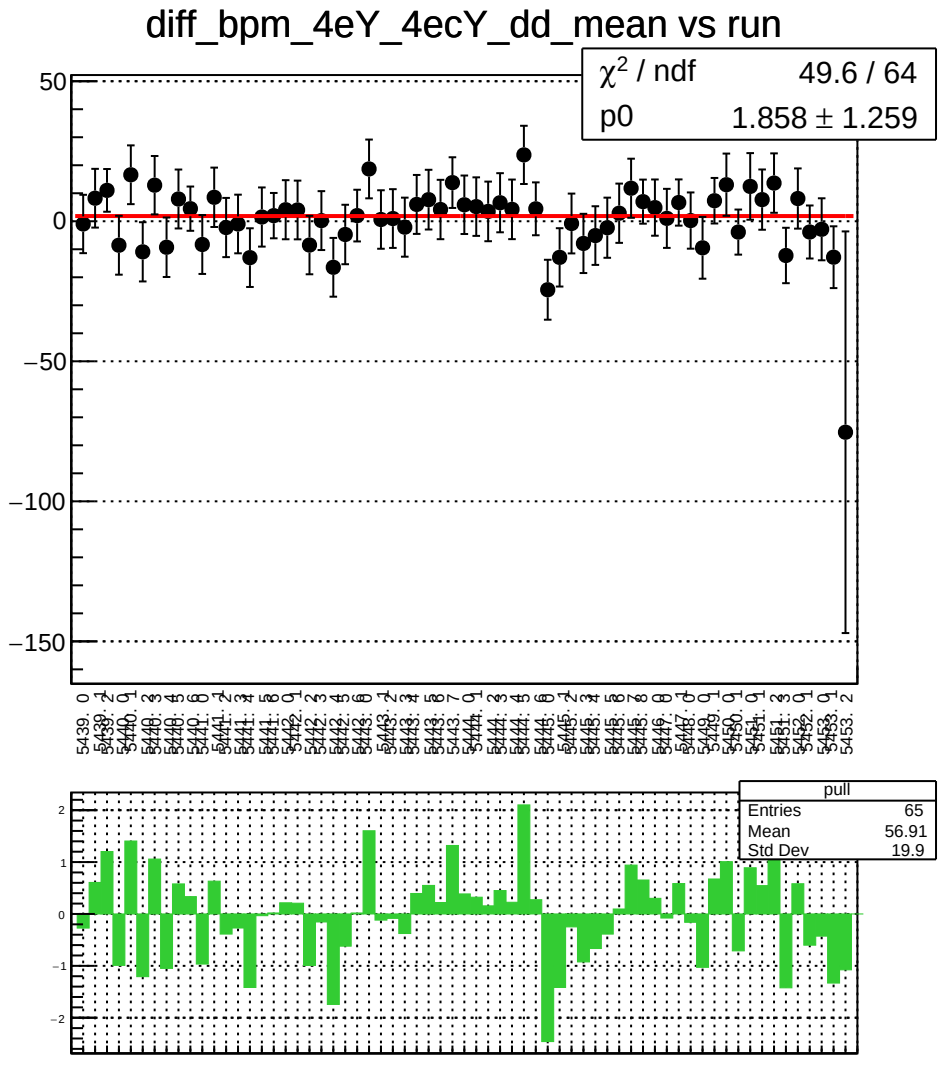

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 46.93 / 64
p0 1.493 ± 1.808
50
0
−50
−100
−150
pull
Entries 65
Mean 47.81
Std Dev 21.79
2
1
0
−1
−2
pull1D
Entries 65
Mean −0.006455
Std Dev 0.8496
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

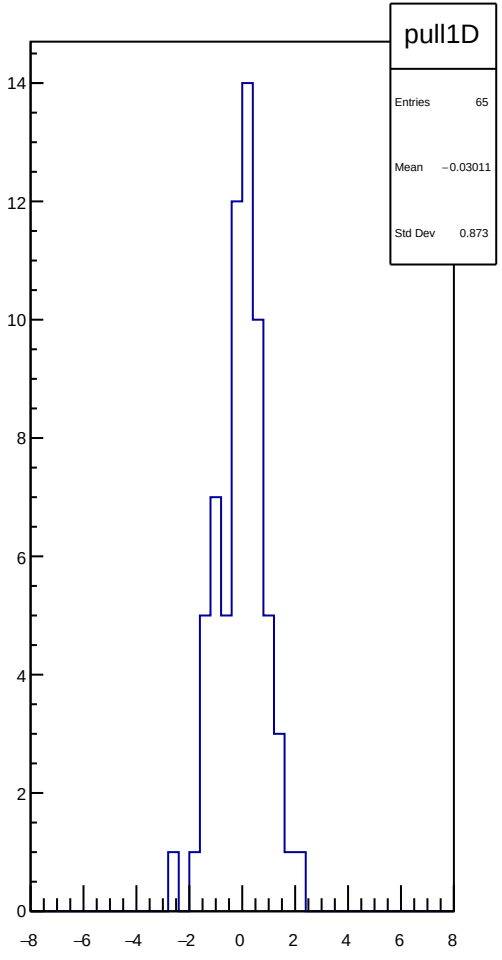

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 3.312e+04 / 64
p0 1448 ± 1.278
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000

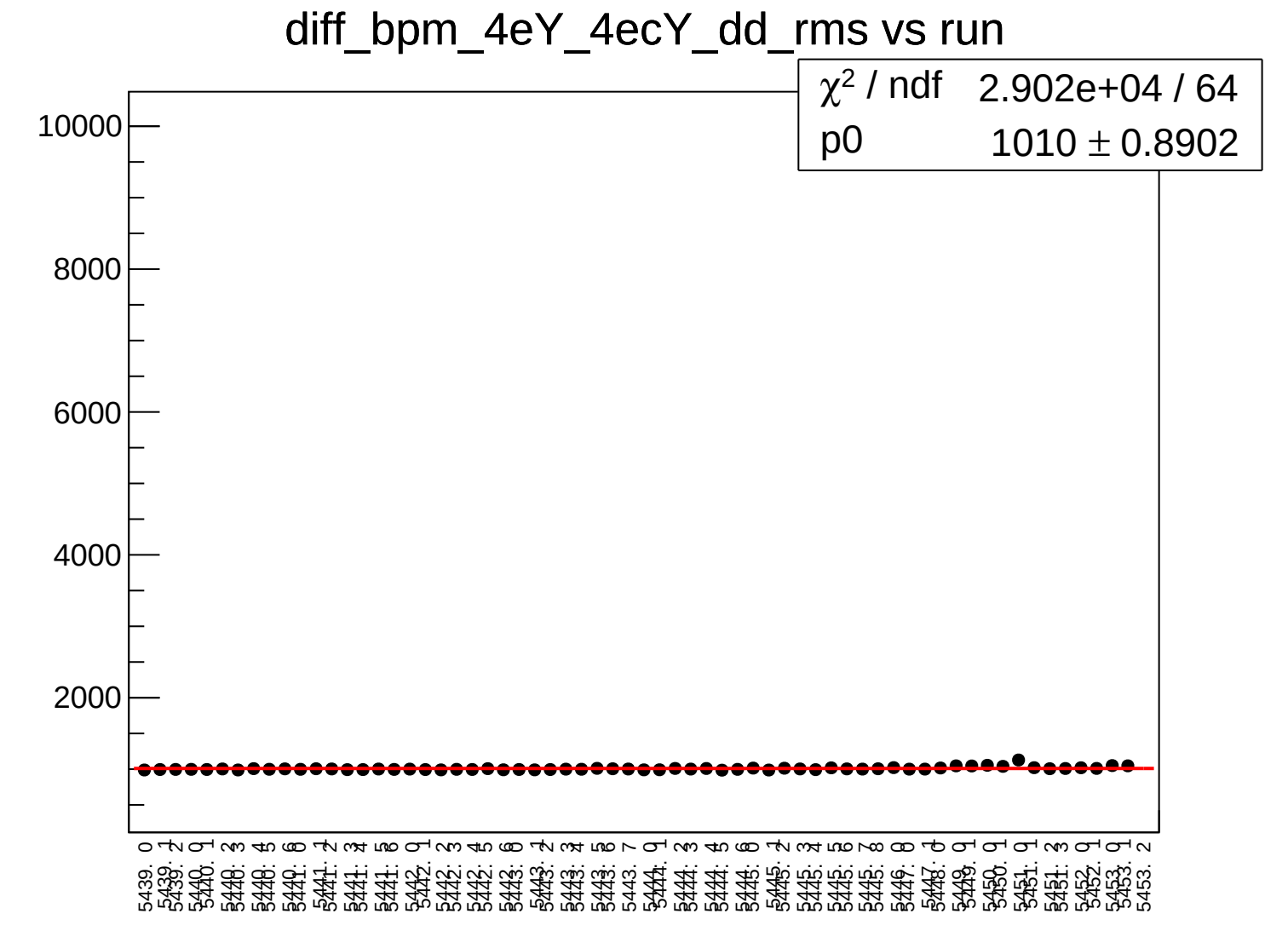

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 62.29 / 64
p0 3.977 ± 7.913
pull
Entries 65
Mean 121.3
Std Dev 0

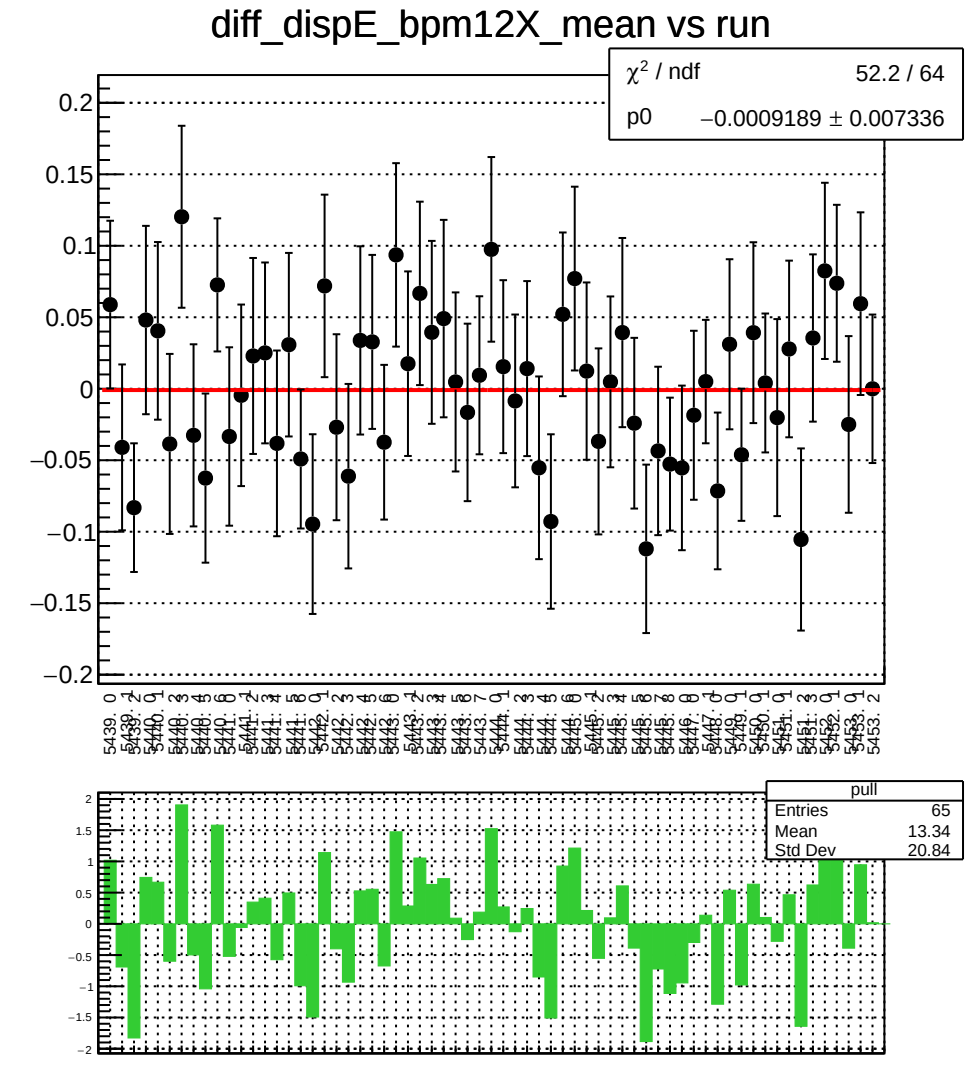

pull1D
Entries 65
Mean 0.01801
Std Dev 0.9788

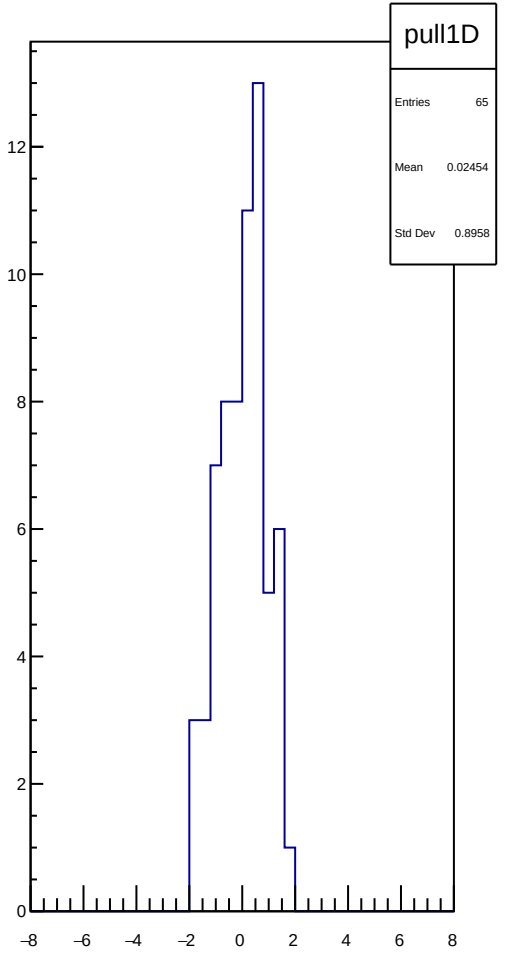

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 1.388e+04 / 64
p0 6384 ± 5.596
11000
10000
9000
8000
7000
6000

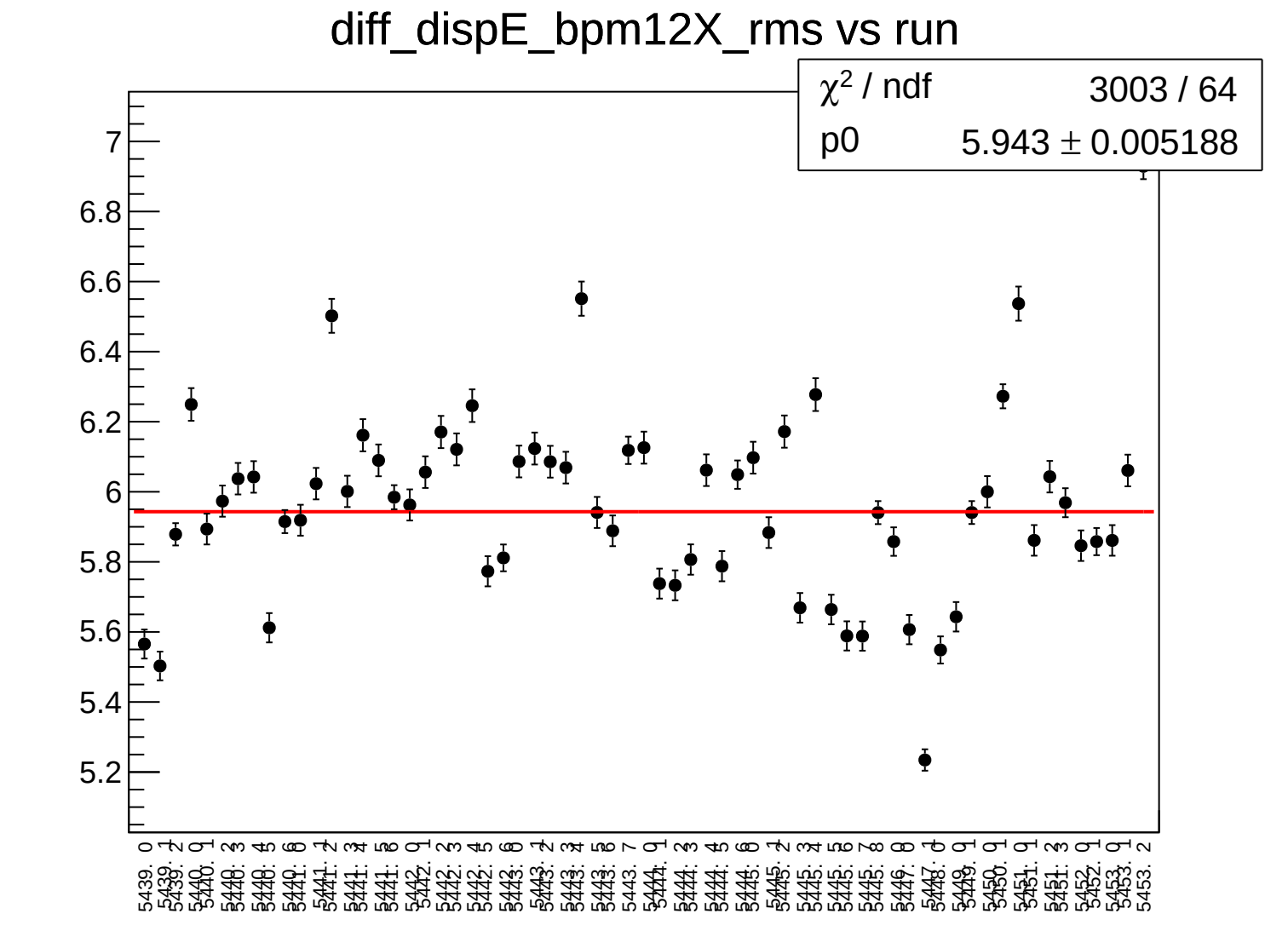

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 49.6 / 64
p0 1.858 ± 1.259
pull
Entries 65
Mean 56.91
Std Dev 19.9

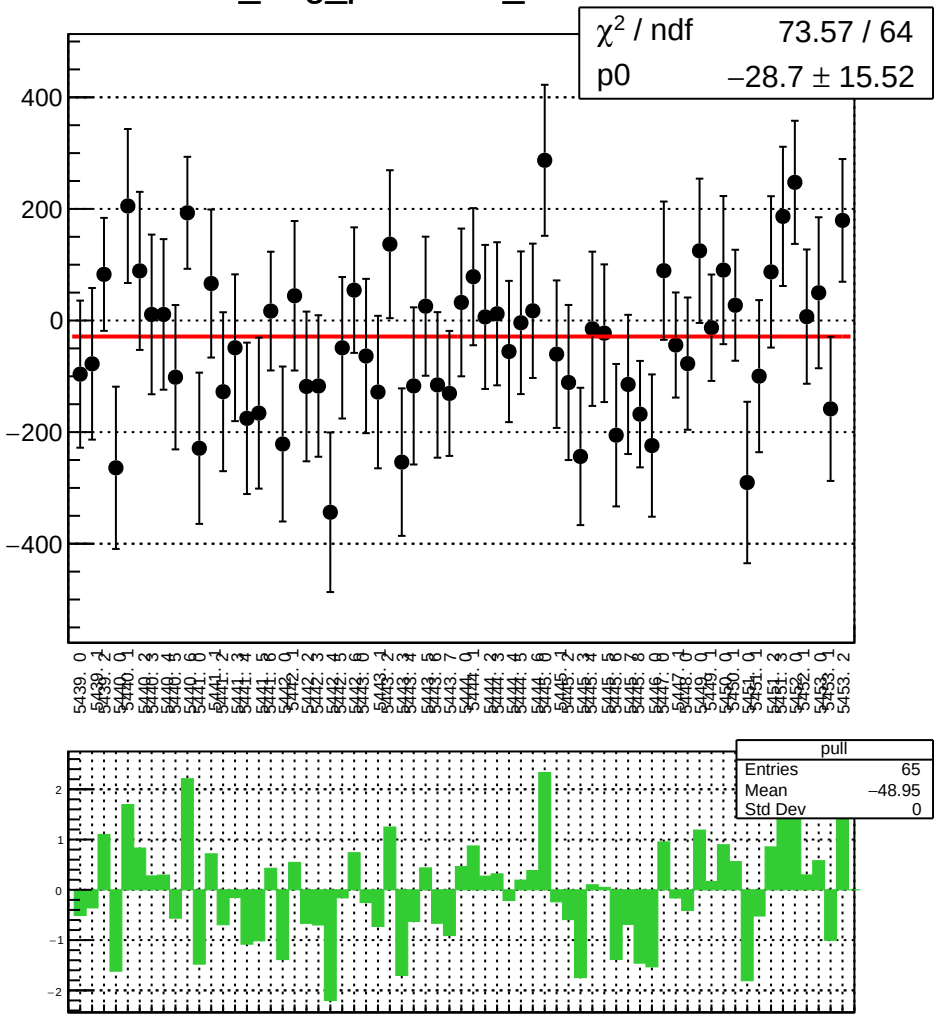

pull1D
Entries 65
Mean −0.03011
Std Dev 0.873

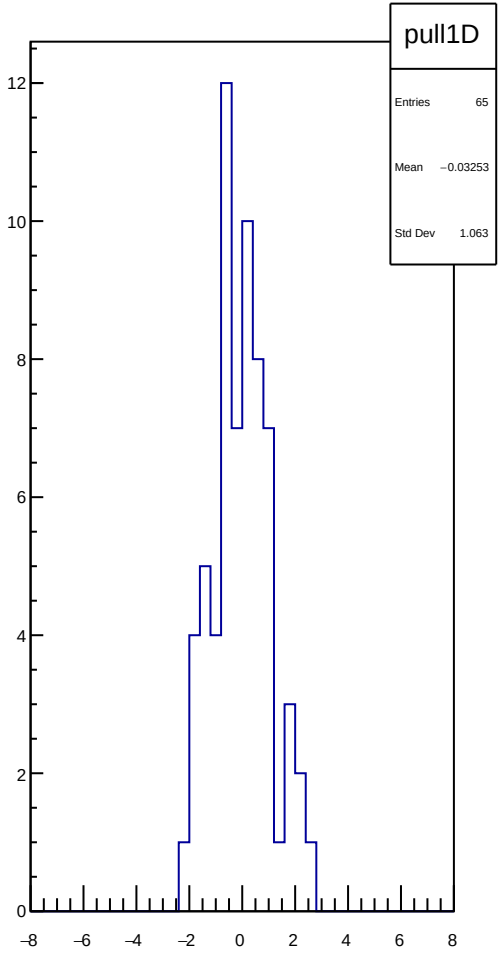

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 2.902e+04 / 64
p0 1010 ± 0.8902
10000
8000
6000
4000
2000

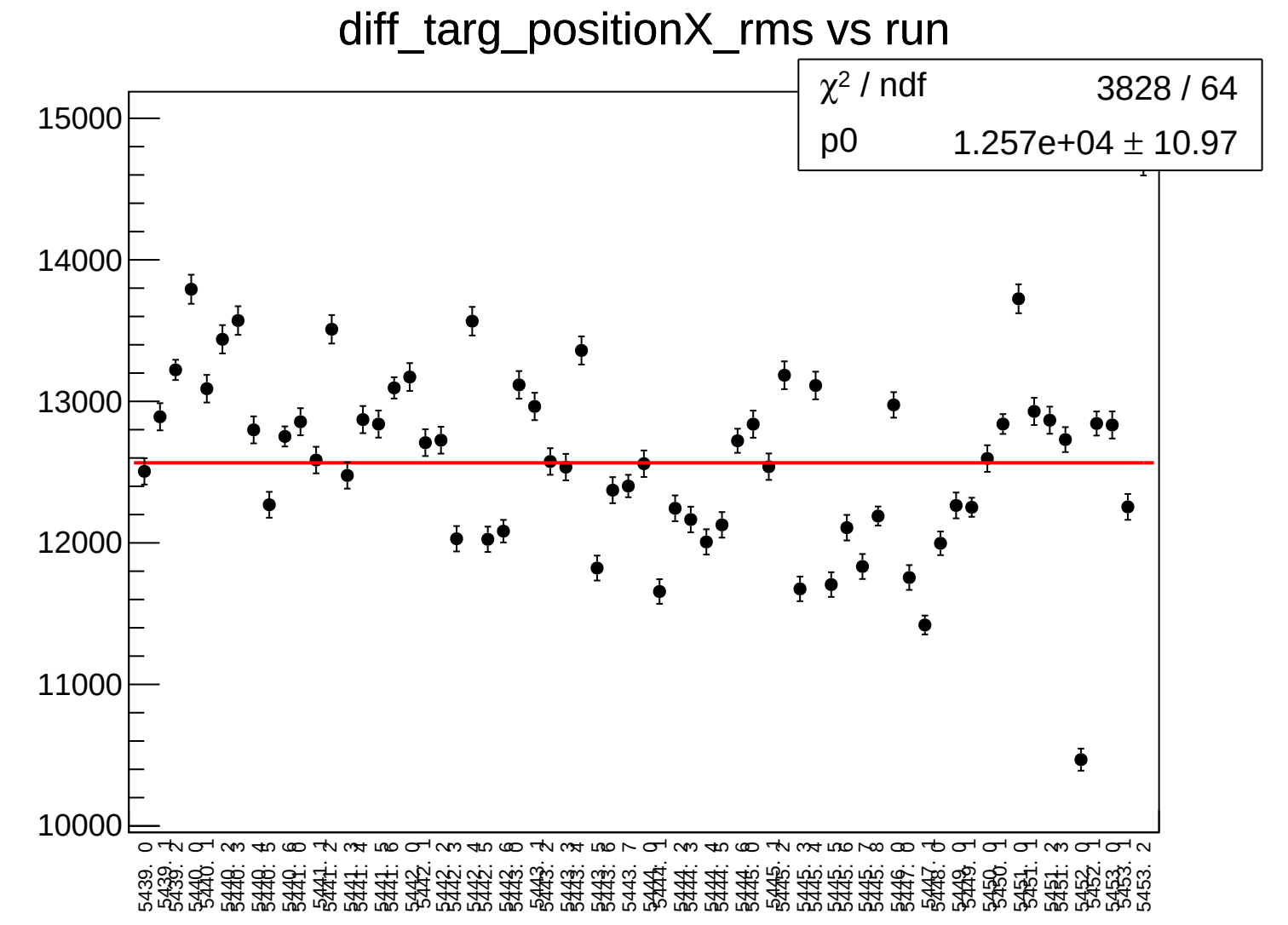

diff_dispE_bpm12X_mean vs run
χ² / ndf 52.2 / 64
p0 −0.0009189 ± 0.007336
pull
Entries 65
Mean 13.34
Std Dev 20.84


pull1D
Entries 65
Mean 0.02454
Std Dev 0.8958


diff_dispE_bpm12X_rms vs run
χ^2 / ndf 3003 / 64
p0 5.943 ± 0.005188
7
6.8
6.6
6.4
6.2
6
5.8
5.6
5.4
5.2


diff_targ_positionX_mean vs run
χ^2 / ndf 73.57 / 64
p0 −28.7 ± 15.52
pull
Entries 65
Mean −48.95
Std Dev 0


pull1D
Entries 65
Mean −0.03253
Std Dev 1.063


diff_targ_positionX_rms vs run
χ² / ndf 3828 / 64
p0 1.257e+04 ± 10.97
15000
14000
13000
12000
11000
10000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
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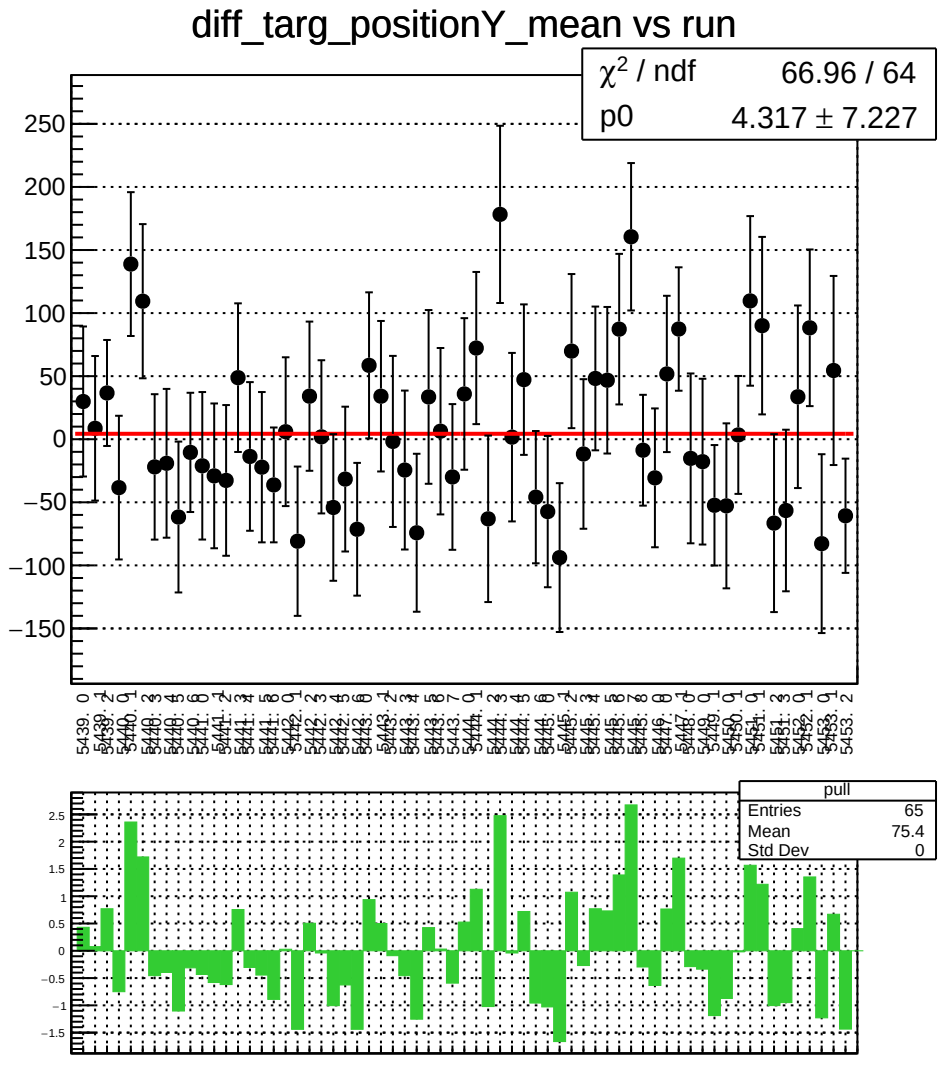
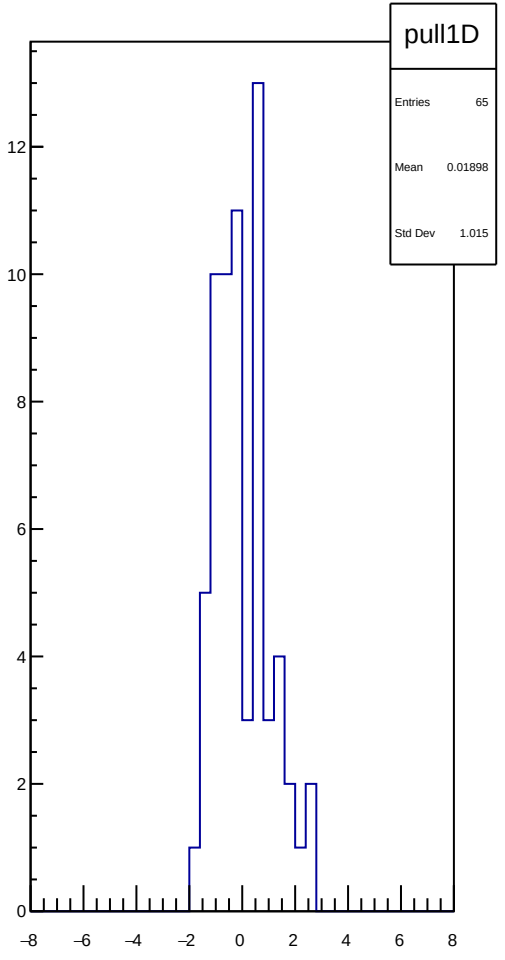
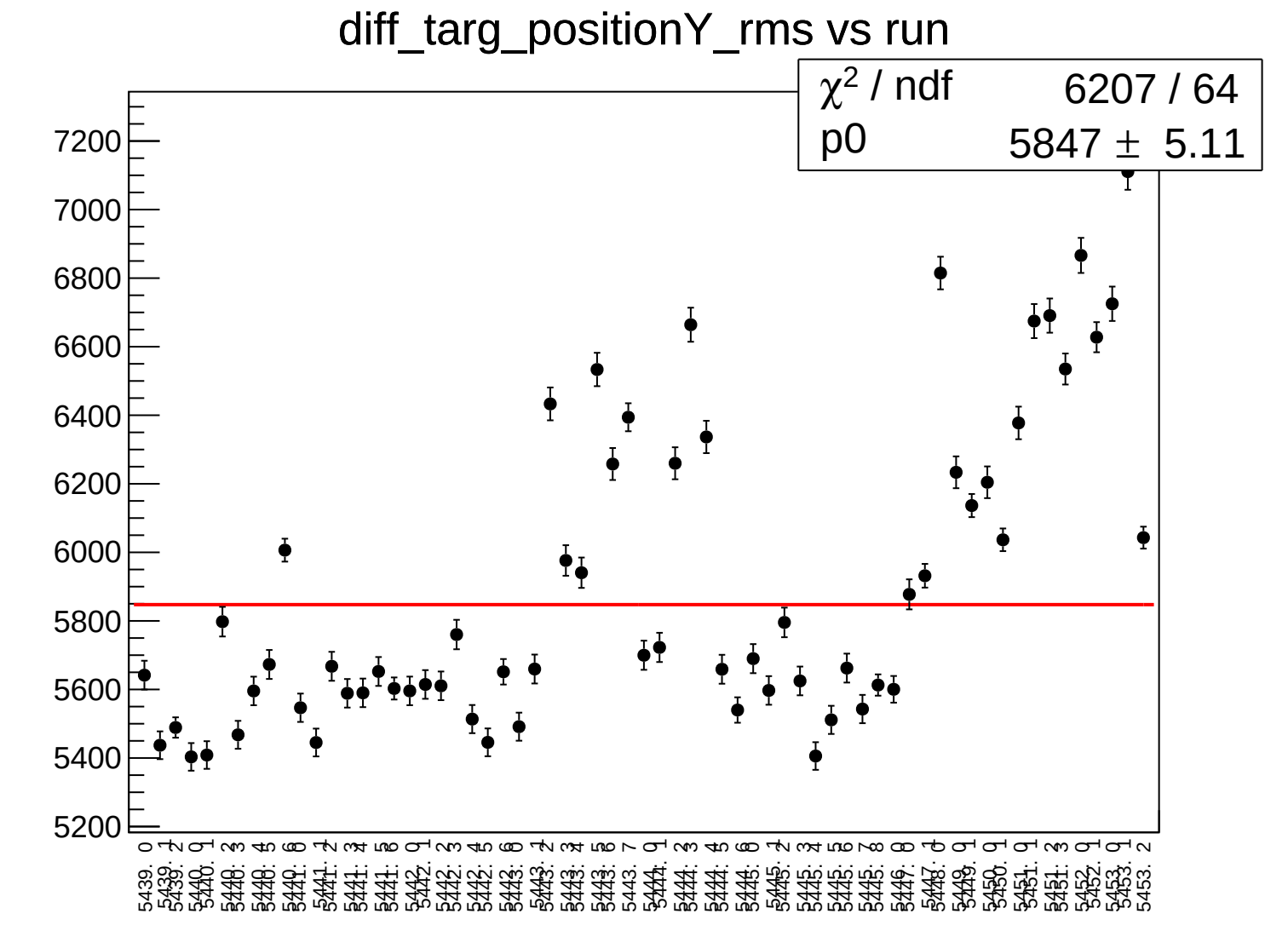
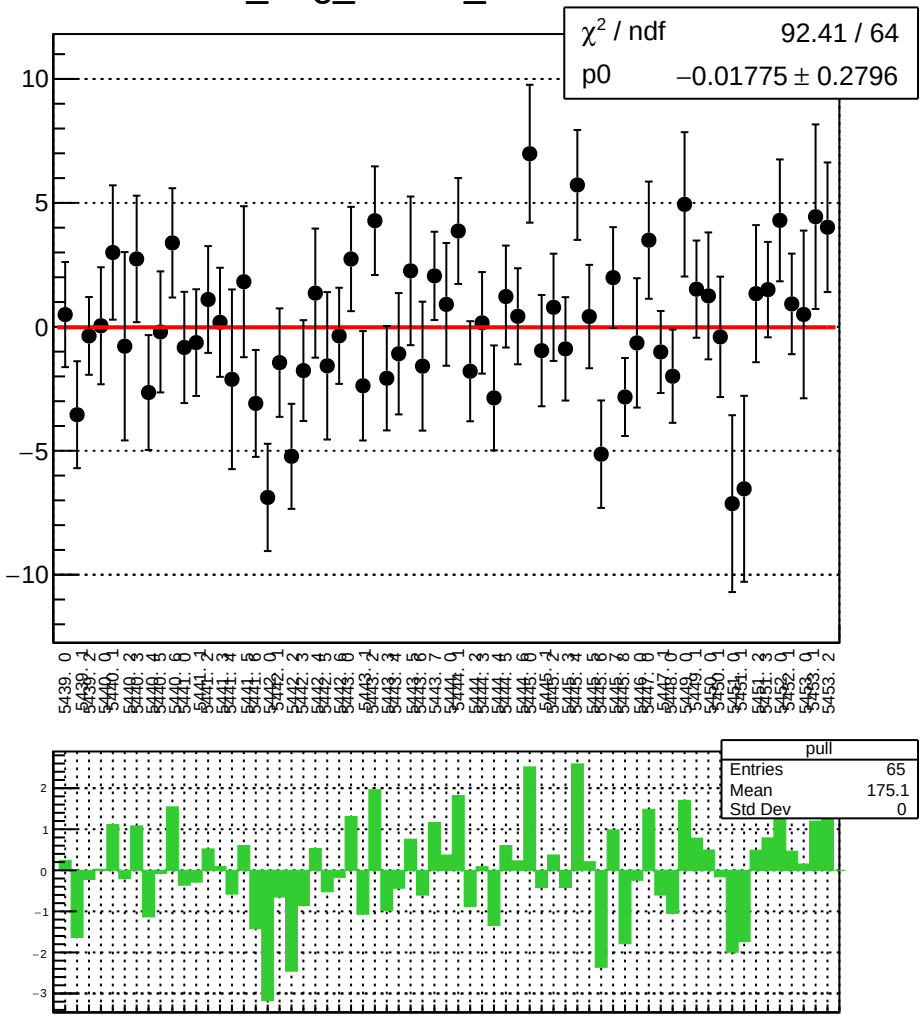
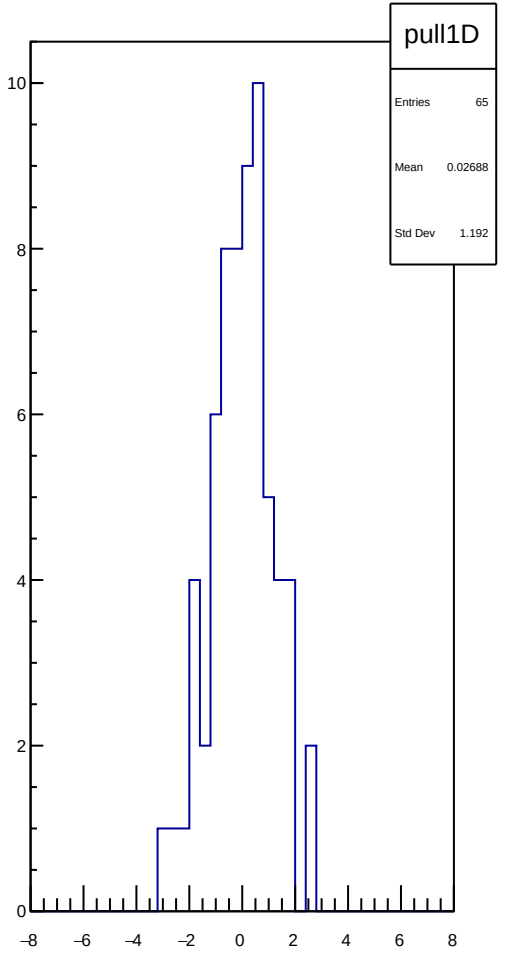
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

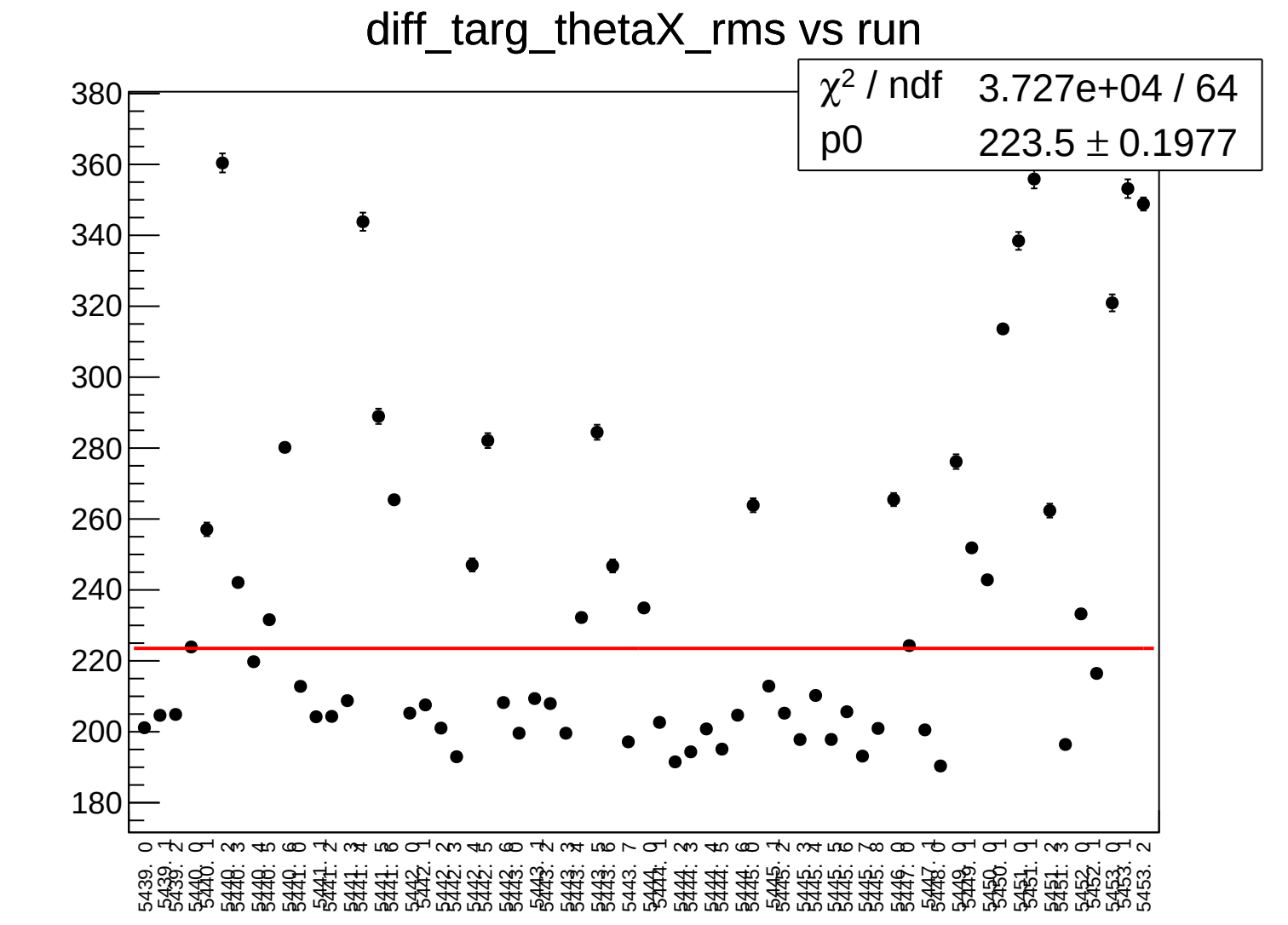

diff_targ_positionY_mean vs run
χ² / ndf 66.96 / 64
p0 4.317 ± 7.227
pull
Entries 65
Mean 75.4
Std Dev 0

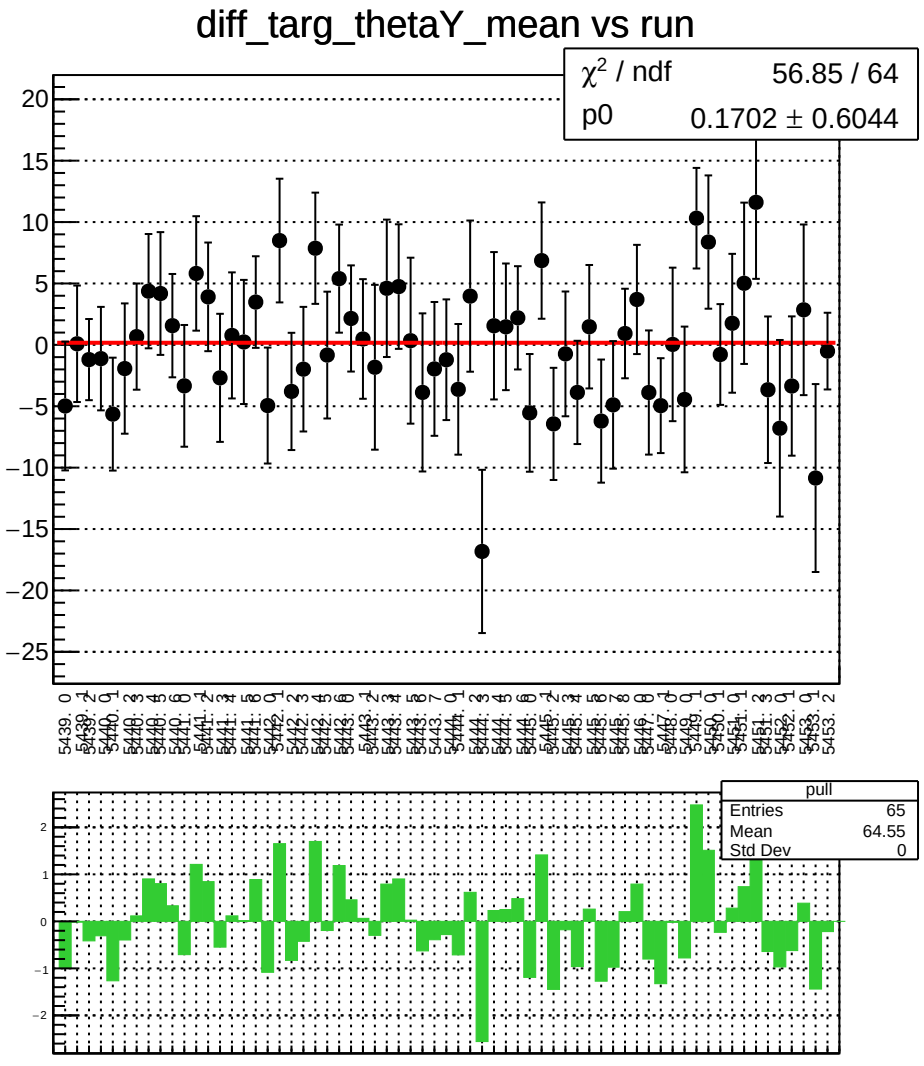

pull1D
Entries 65
Mean 0.01898
Std Dev 1.015

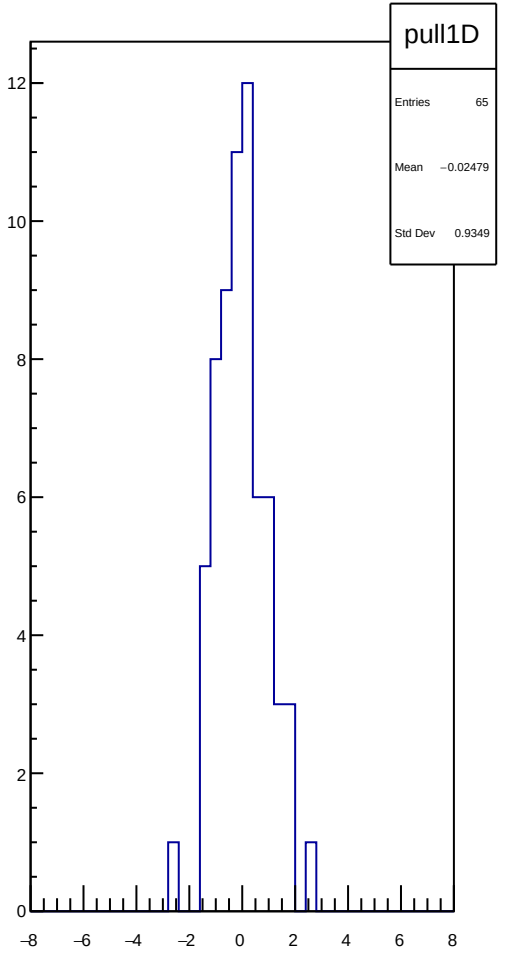

diff_targ_positionY_rms vs run
χ² / ndf 6207 / 64
p0 5847 ± 5.11
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

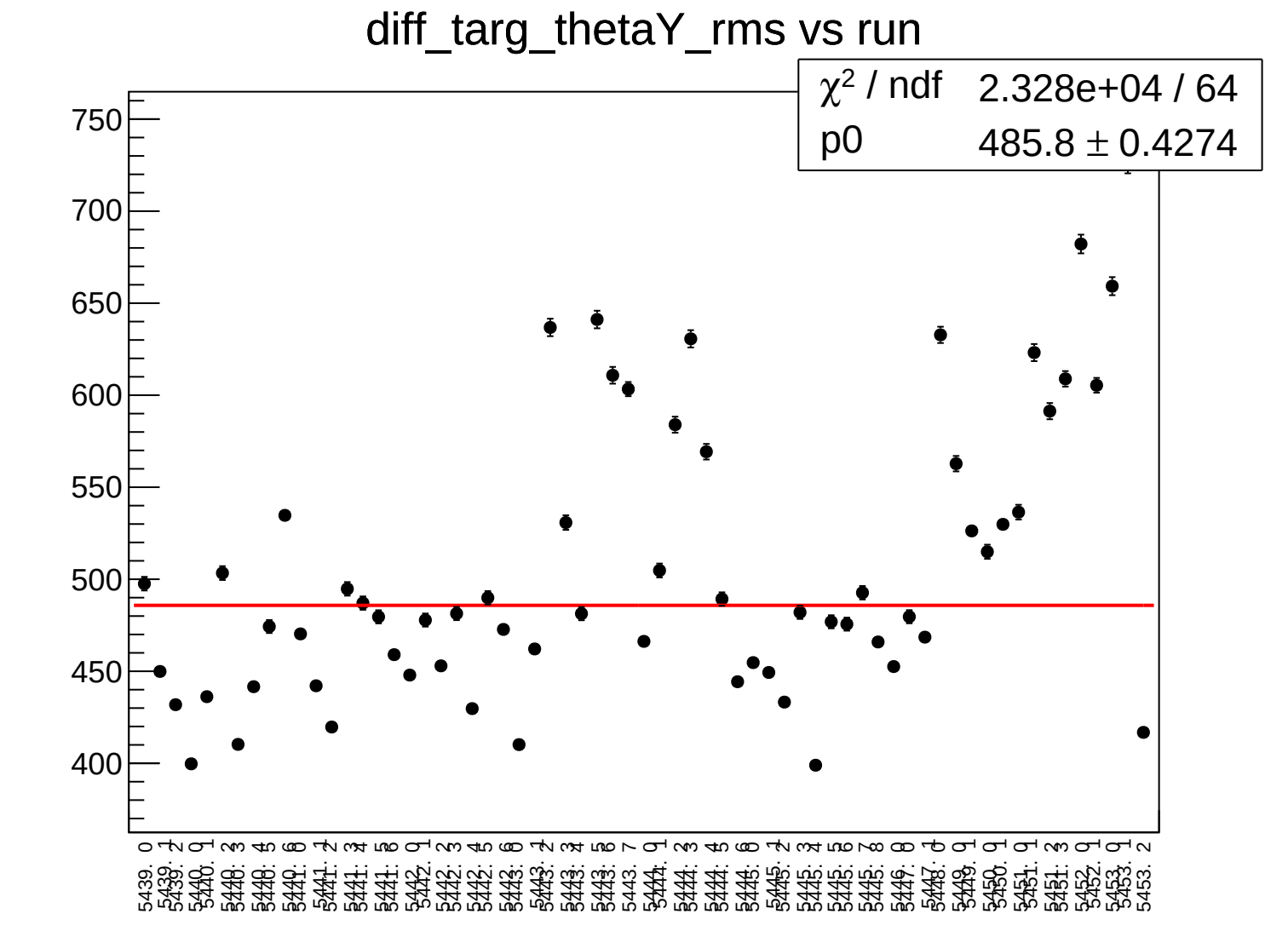

diff_targ_thetaX_mean vs run
χ² / ndf 92.41 / 64
p0 −0.01775 ± 0.2796
pull
Entries 65
Mean 175.1
Std Dev 0

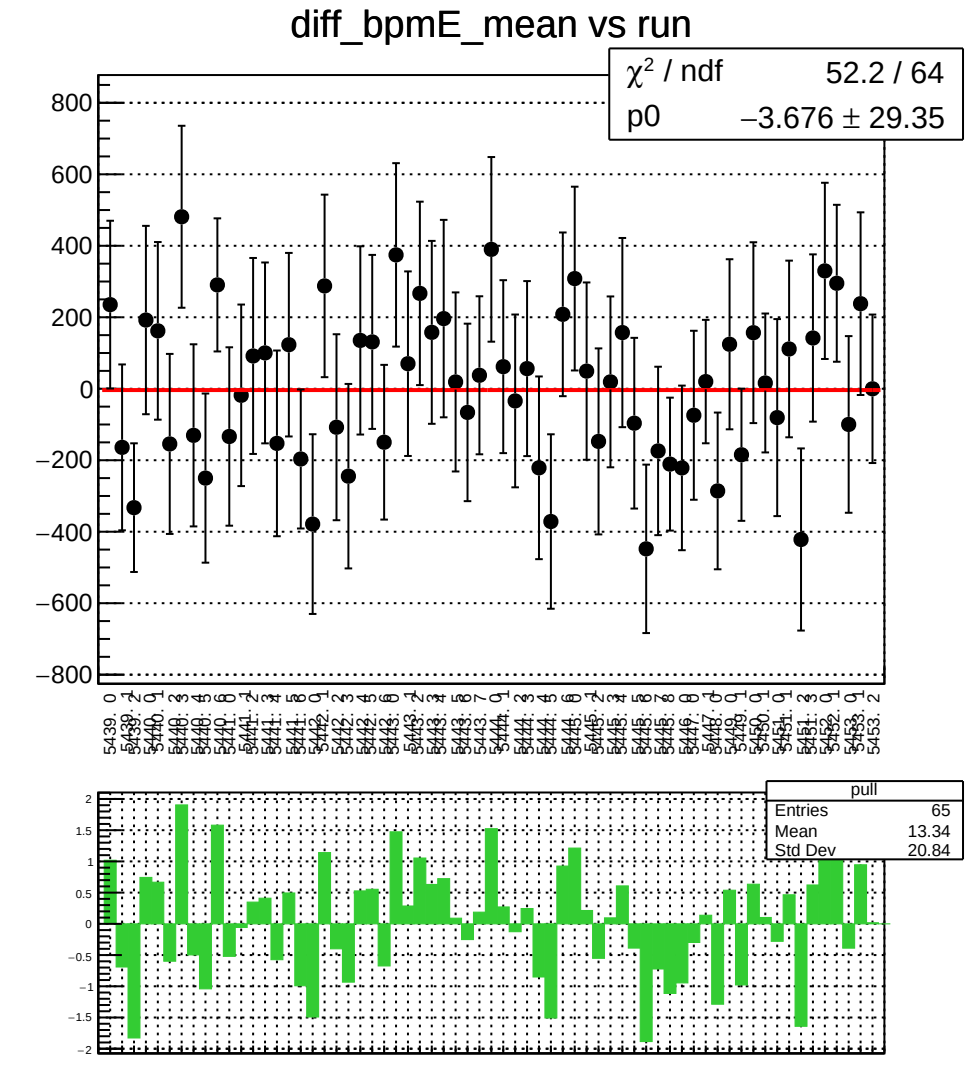

pull1D
Entries 65
Mean 0.02688
Std Dev 1.192

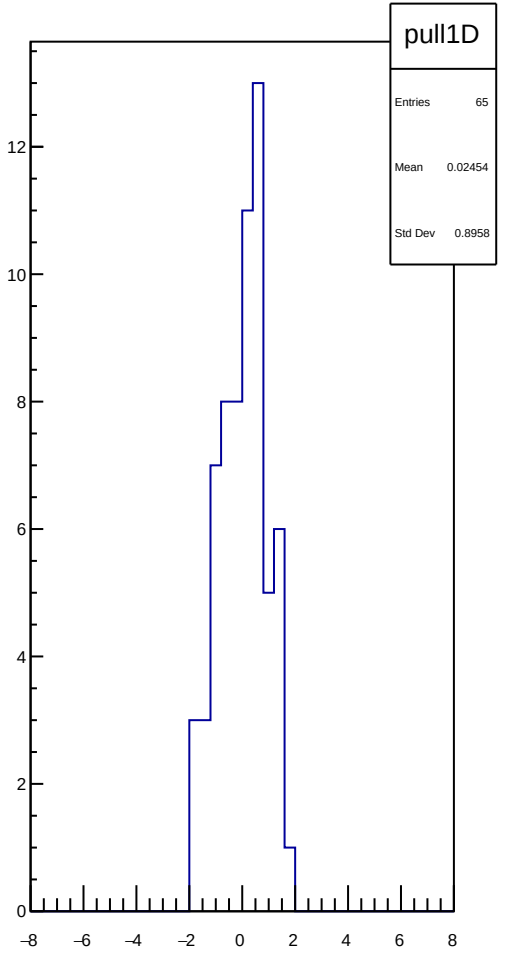

diff_targ_thetaX_rms vs run
χ² / ndf 3.727e+04 / 64
p0 223.5 ± 0.1977
380
360
340
320
300
280
260
240
220
200
180

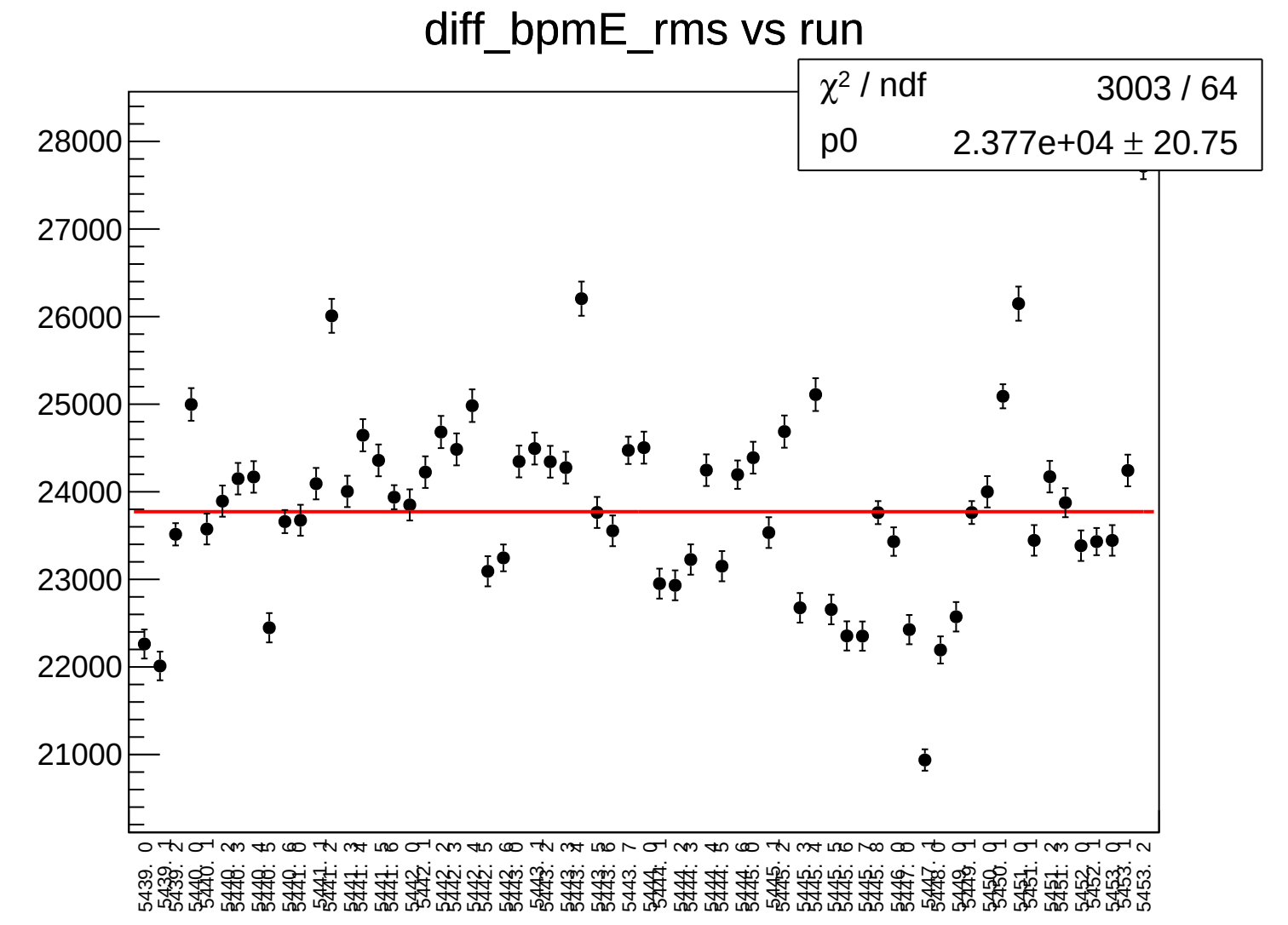

diff_targ_thetaY_mean vs run
χ² / ndf 56.85 / 64
p0 0.1702 ± 0.6044
pull
Entries 65
Mean 64.55
Std Dev 0

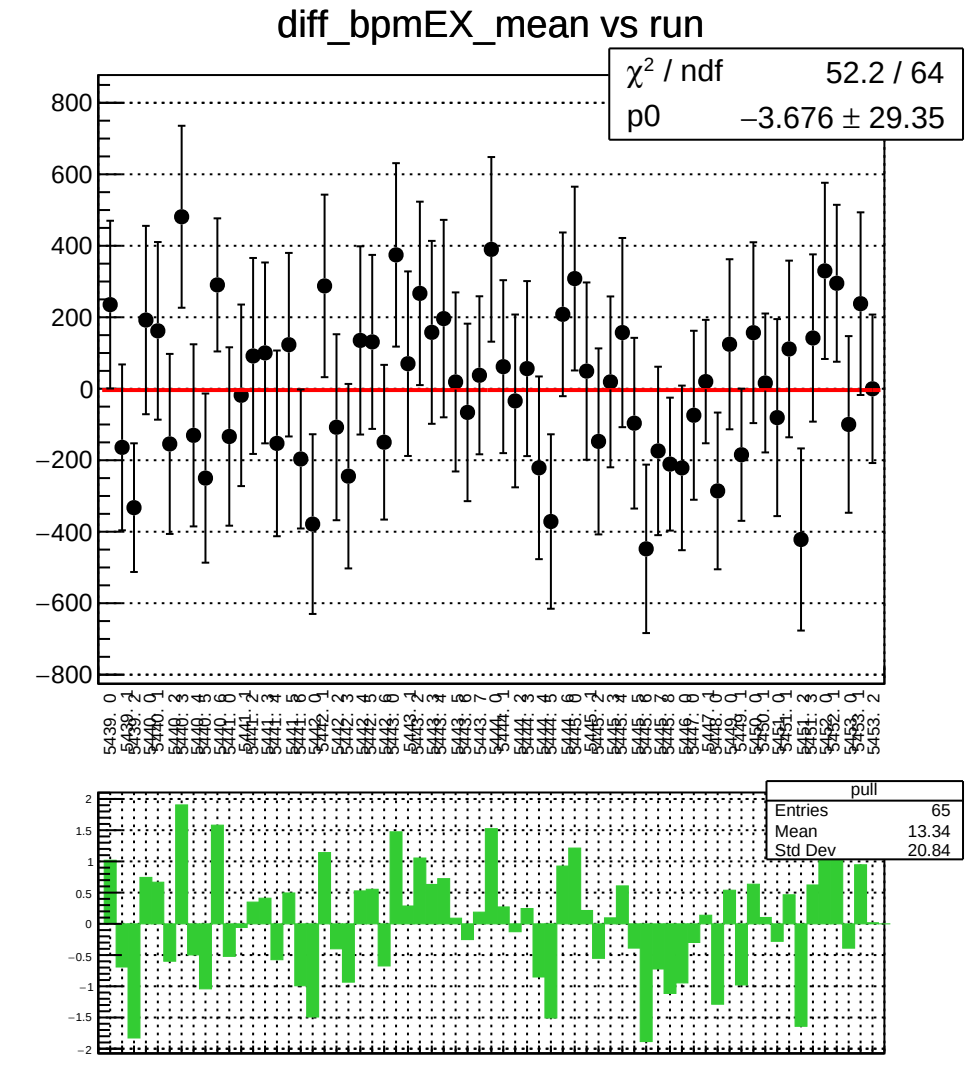

pull1D
Entries 65
Mean −0.02479
Std Dev 0.9349

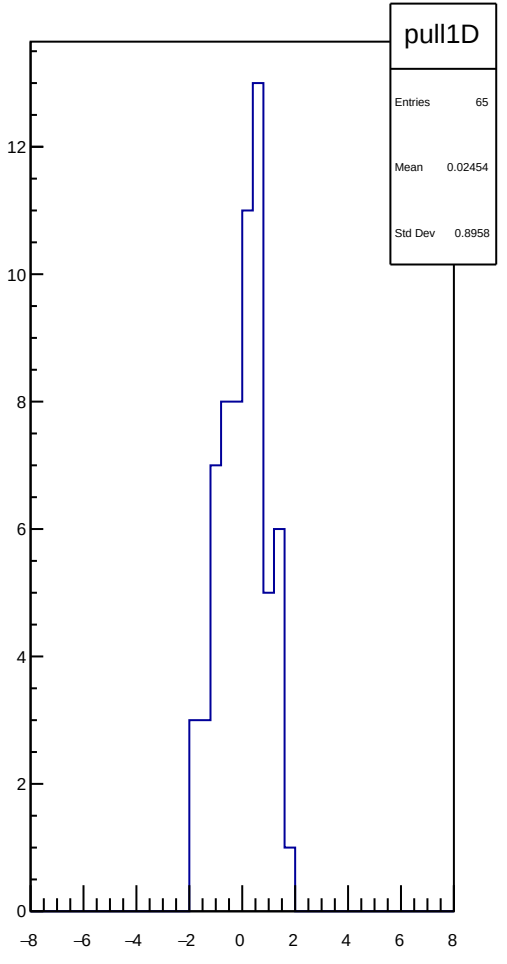

diff_targ_thetaY_rms vs run
χ² / ndf 2.328e+04 / 64
p0 485.8 ± 0.4274
750
700
650
600
550
500
450
400

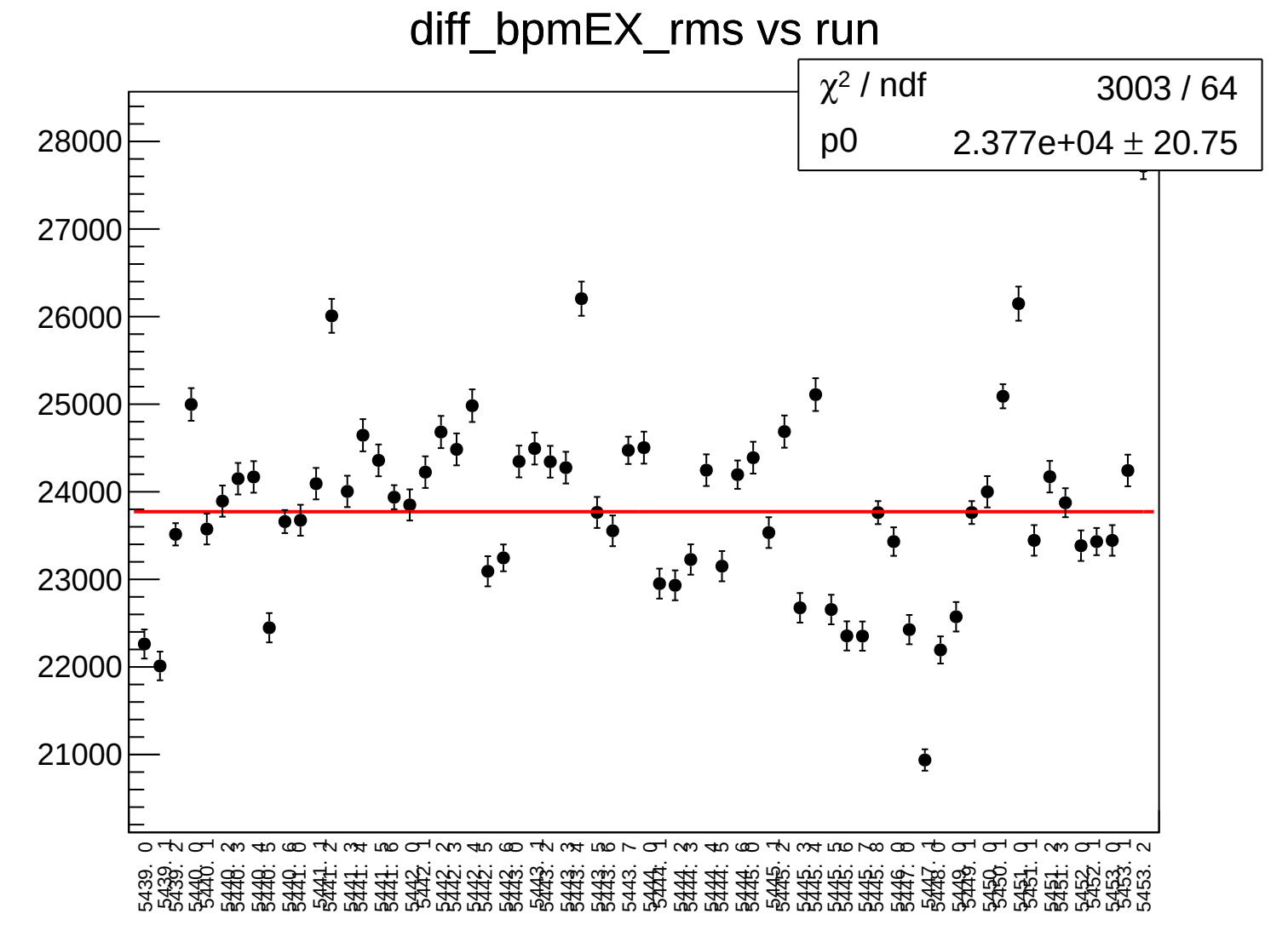

diff_bpmE_mean vs run
χ² / ndf 52.2 / 64
p0 −3.676 ± 29.35
pull
Entries 65
Mean 13.34
Std Dev 20.84

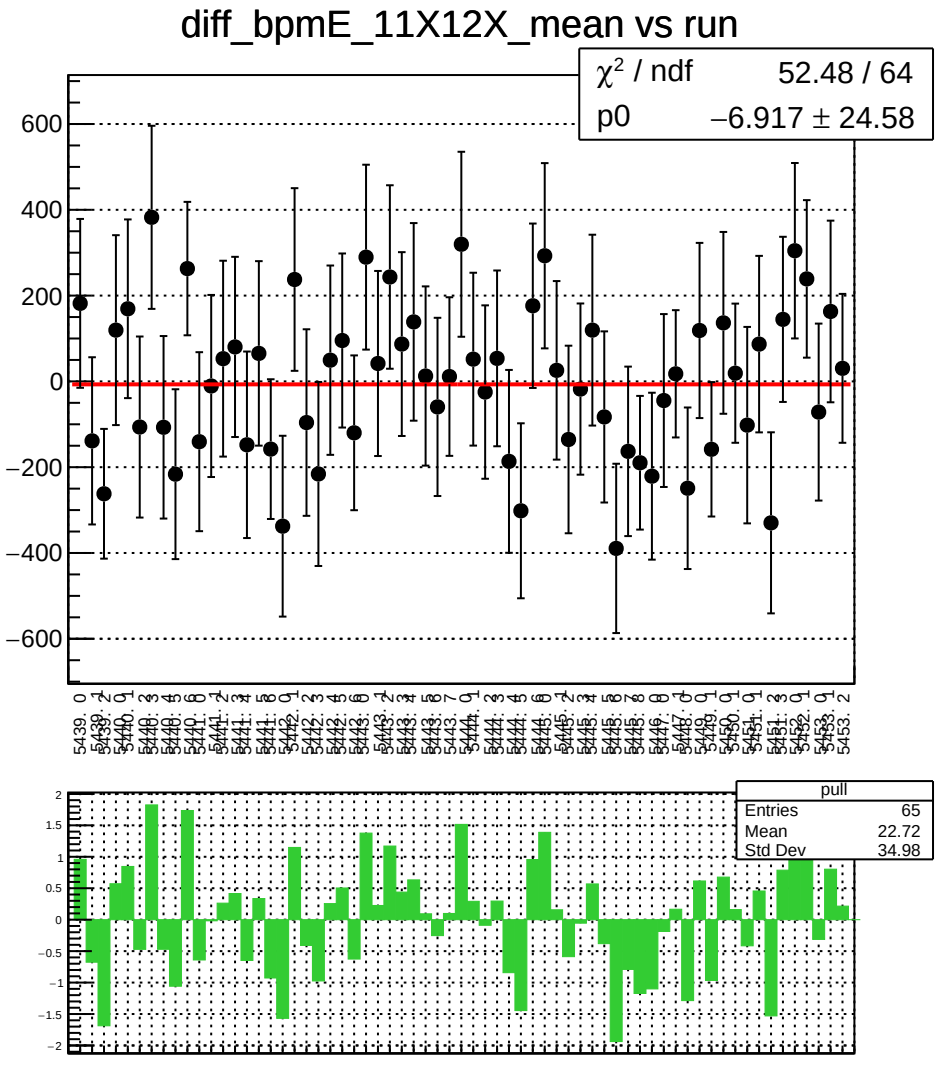

pull1D
Entries 65
Mean 0.02454
Std Dev 0.8958

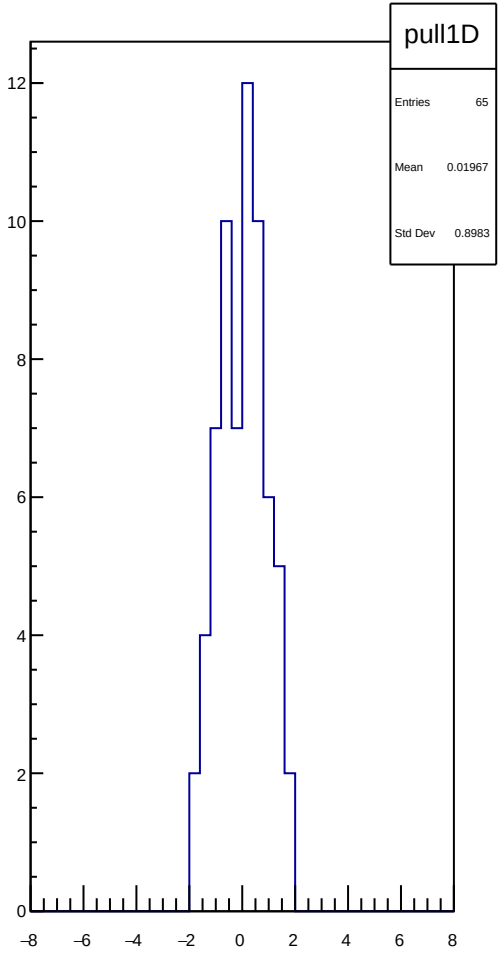

diff_bpmE_rms vs run
χ² / ndf 3003 / 64
p0 2.377e+04 ± 20.75
28000
27000
26000
25000
24000
23000
22000
21000

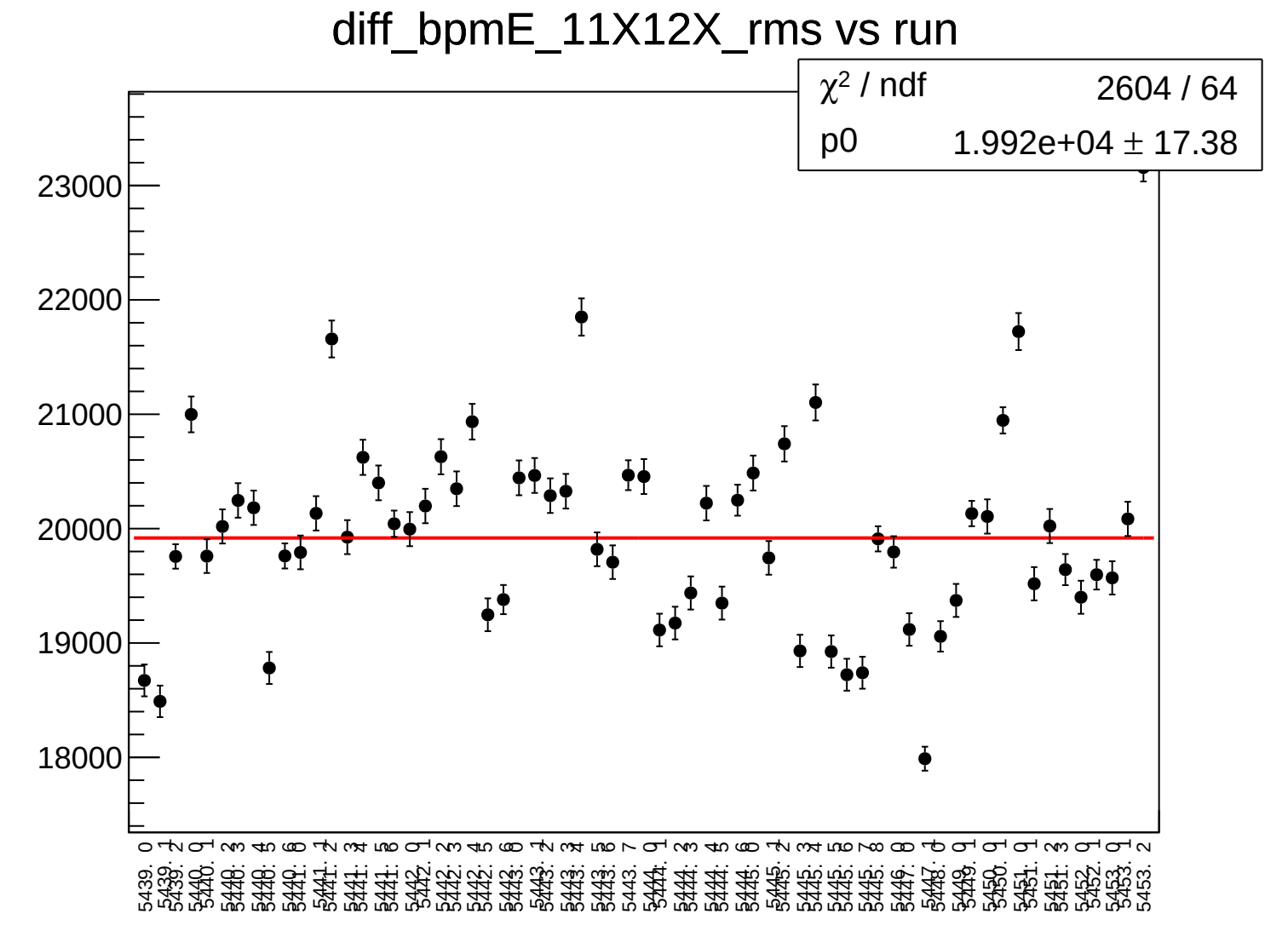

diff_bpmEX_mean vs run
χ² / ndf 52.2 / 64
p0 −3.676 ± 29.35
pull
Entries 65
Mean 13.34
Std Dev 20.84

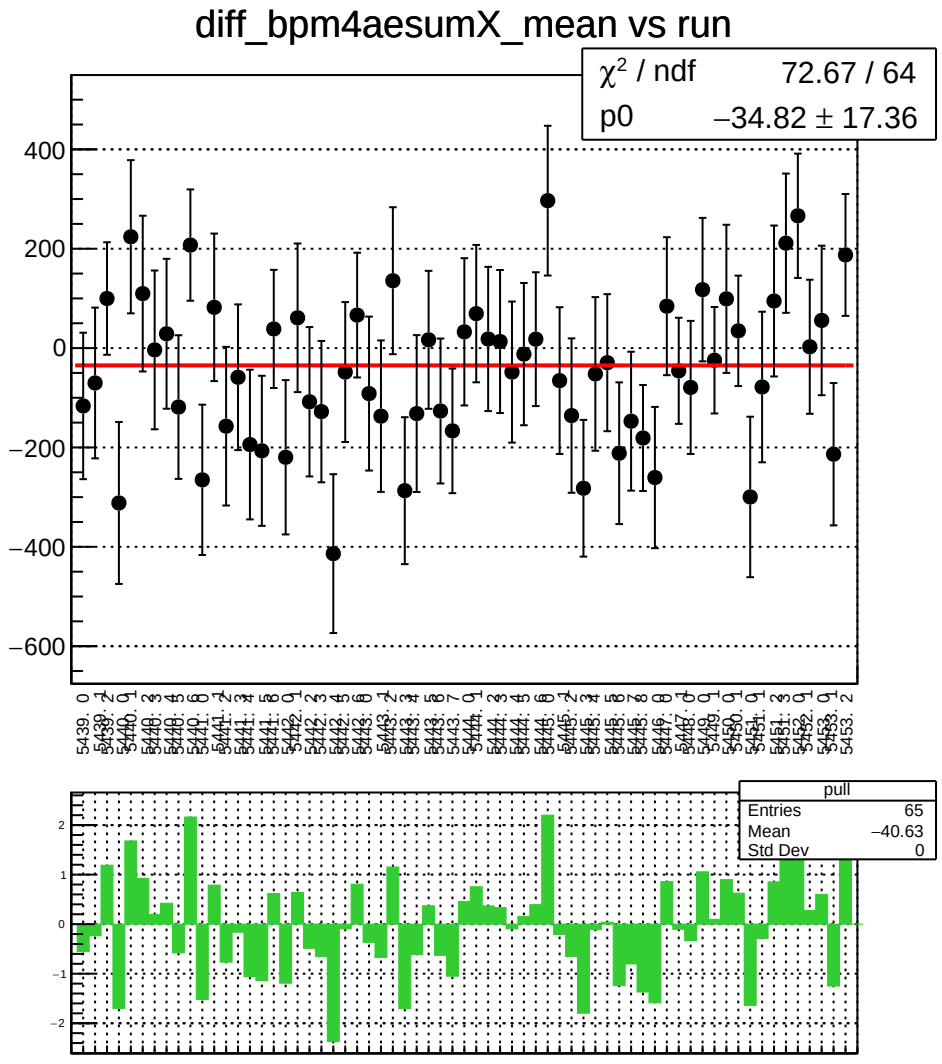

pull1D
Entries 65
Mean 0.02454
Std Dev 0.8958

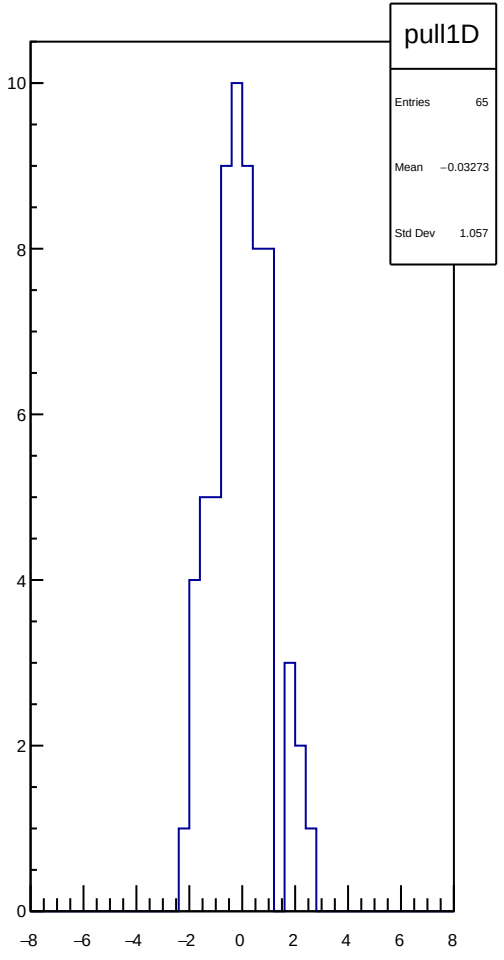

diff_bpmEX_rms vs run
χ² / ndf 3003 / 64
p0 2.377e+04 ± 20.75
28000
27000
26000
25000
24000
23000
22000
21000

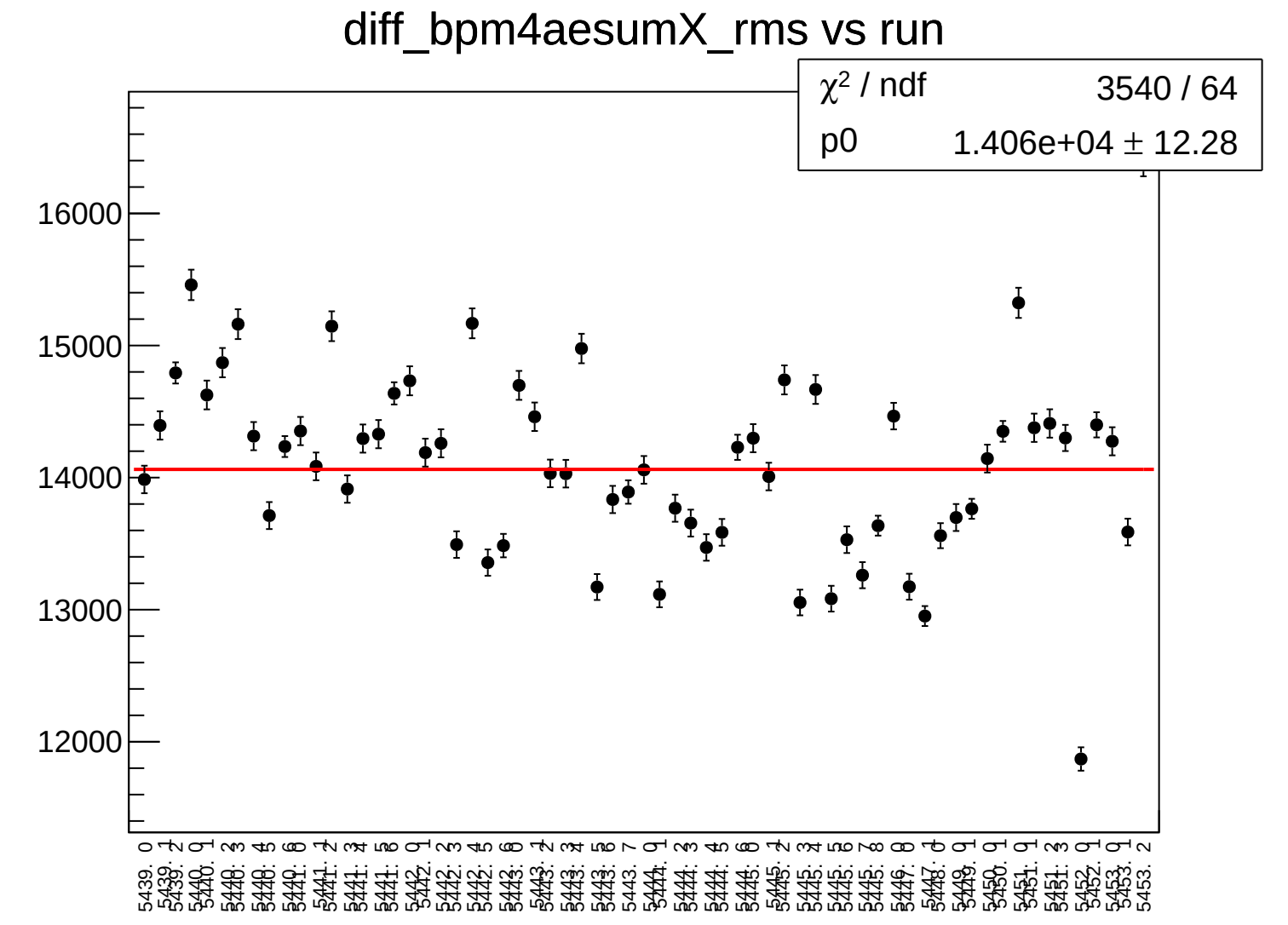

diff_bpmE_11X12X_mean vs run
χ² / ndf 52.48 / 64
p0 −6.917 ± 24.58
pull
Entries 65
Mean 22.72
Std Dev 34.98

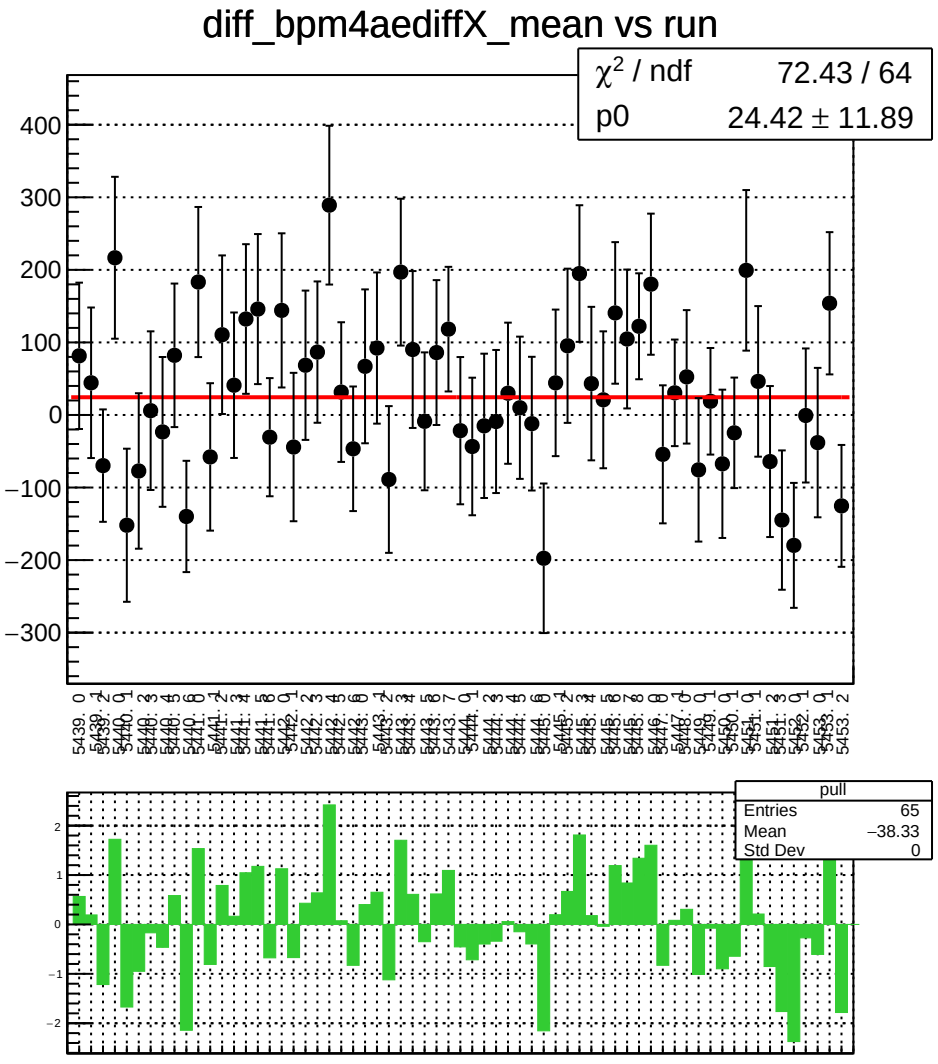

pull1D
Entries 65
Mean 0.01967
Std Dev 0.8983

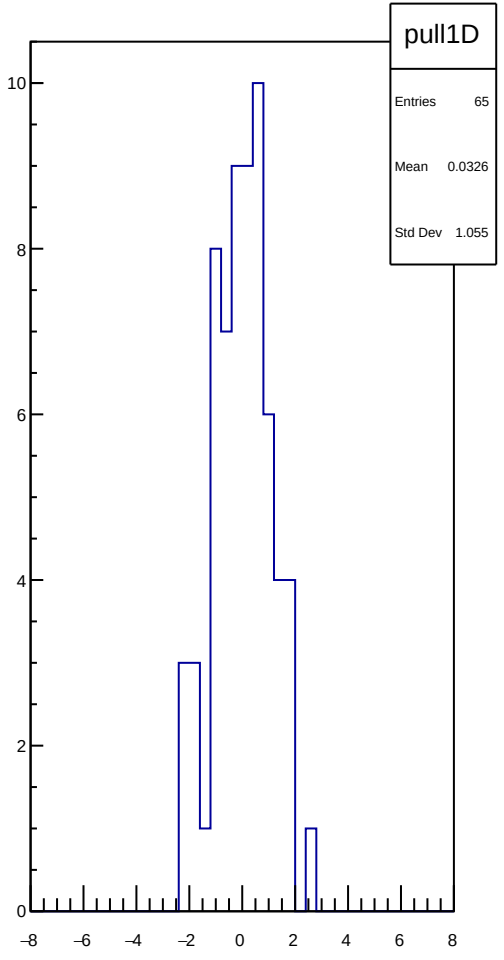

diff_bpmE_11X12X_rms vs run
χ² / ndf 2604 / 64
p0 1.992e+04 ± 17.38
23000
22000
21000
20000
19000
18000
5439. 0
5439. 1
5439. 2
5439. 9
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

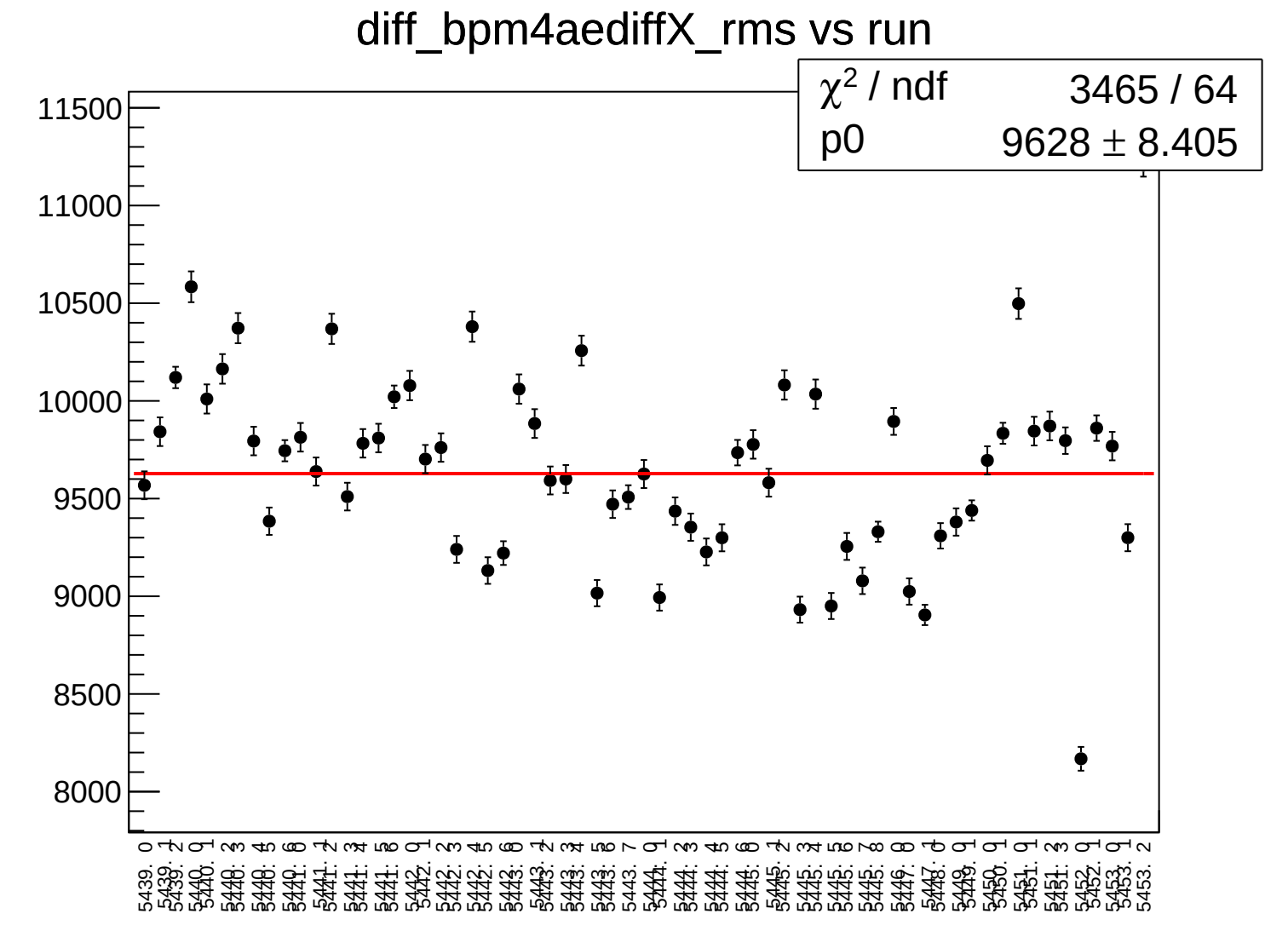

diff_bpm4aesumX_mean vs run
χ² / ndf 72.67 / 64
p0 −34.82 ± 17.36
400
200
0
−200
−400
−600
pull
Entries 65
Mean −40.63
Std Dev 0
2
1
0
−1
−2

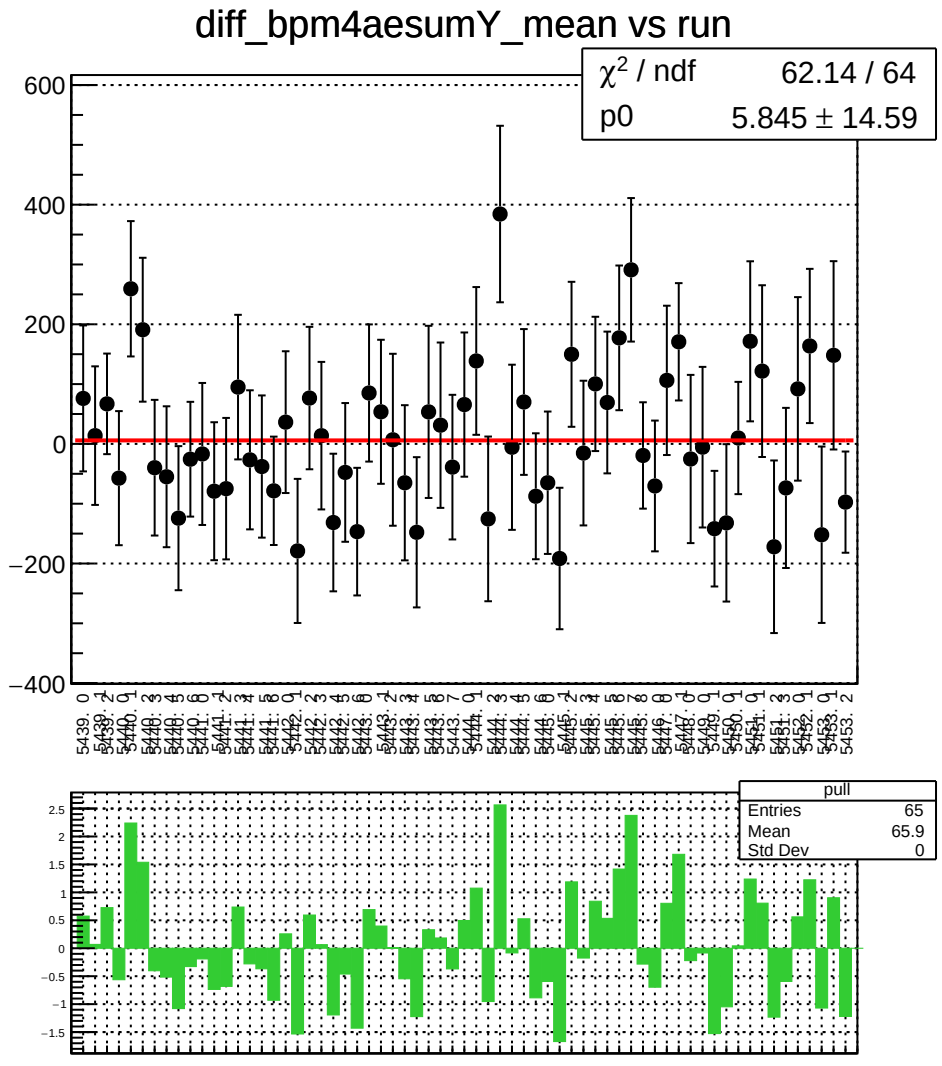

pull1D
Entries 65
Mean −0.03273
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

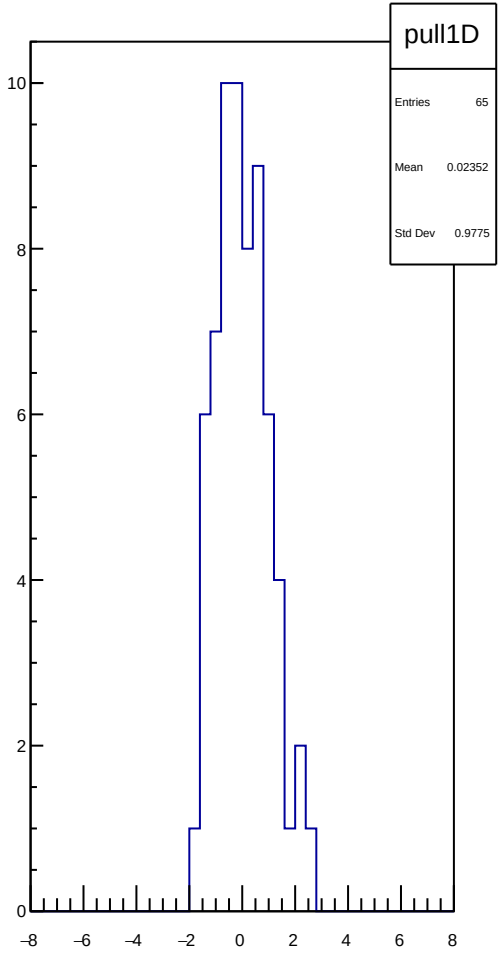

diff_bpm4aesumX_rms vs run
χ² / ndf 3540 / 64
p0 1.406e+04 ± 12.28
16000
15000
14000
13000
12000

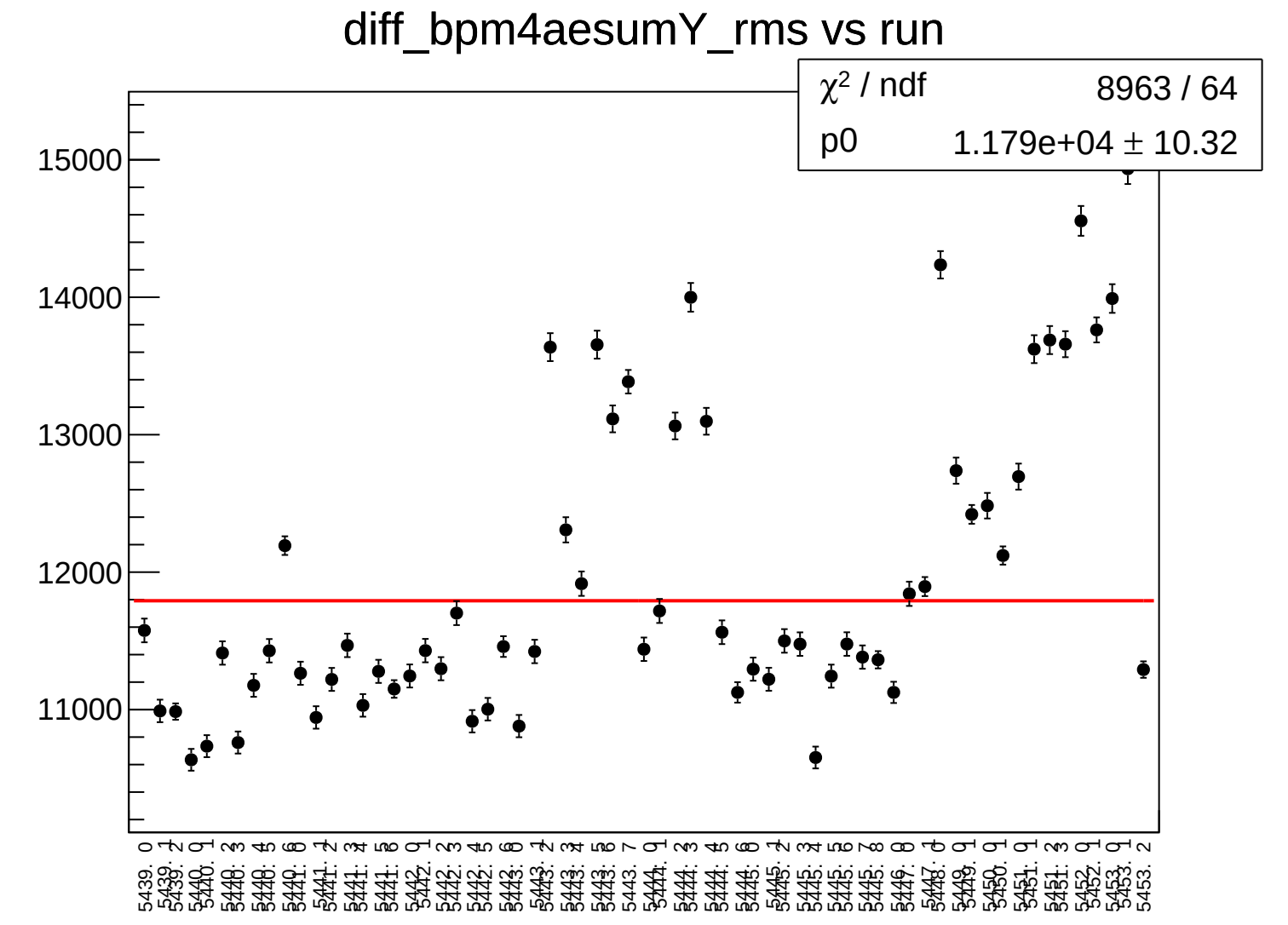

diff_bpm4aediffX_mean vs run
χ² / ndf 72.43 / 64
p0 24.42 ± 11.89
pull
Entries 65
Mean −38.33
Std Dev 0

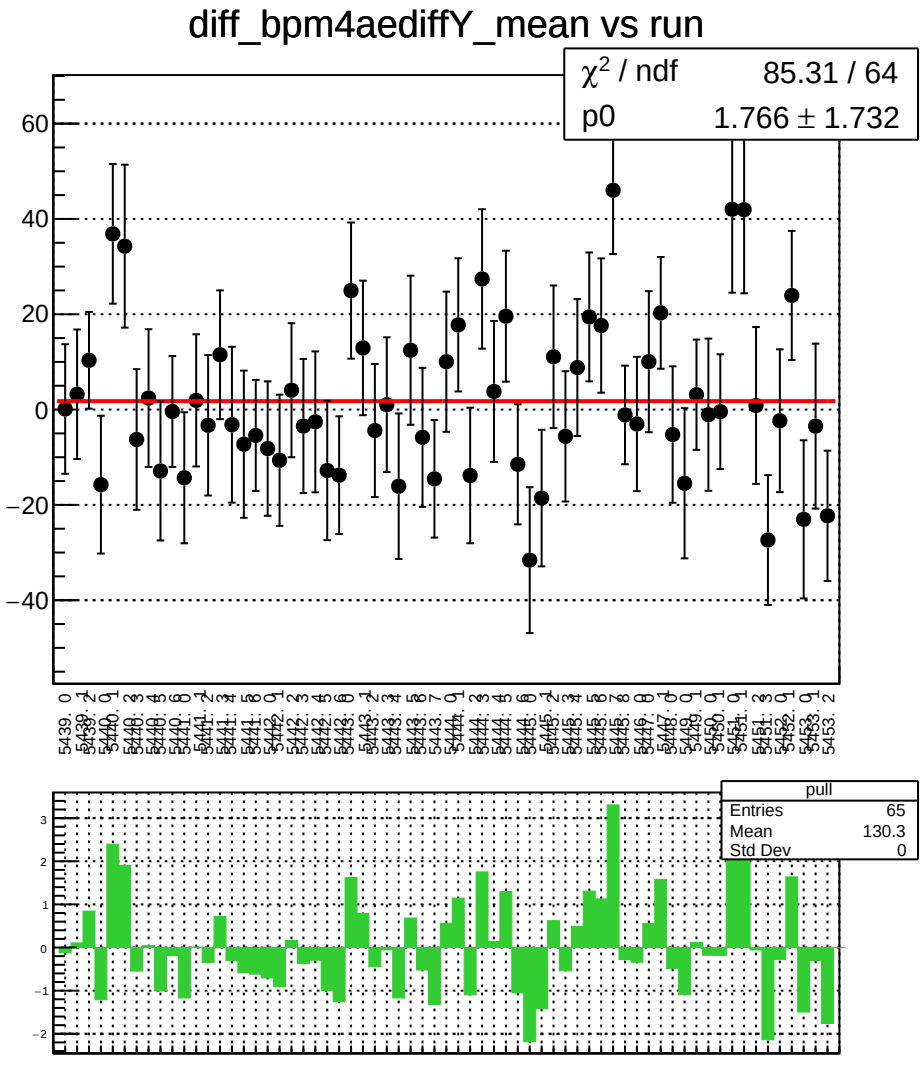

pull1D
Entries 65
Mean 0.0326
Std Dev 1.055

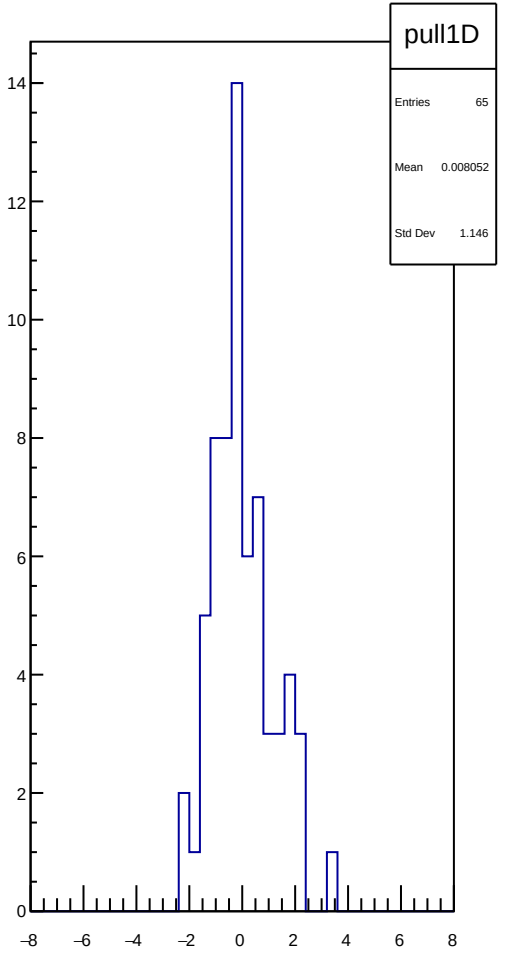

diff_bpm4aediffX_rms vs run
χ² / ndf 3465 / 64
p0 9628 ± 8.405
11500
11000
10500
10000
9500
9000
8500
8000

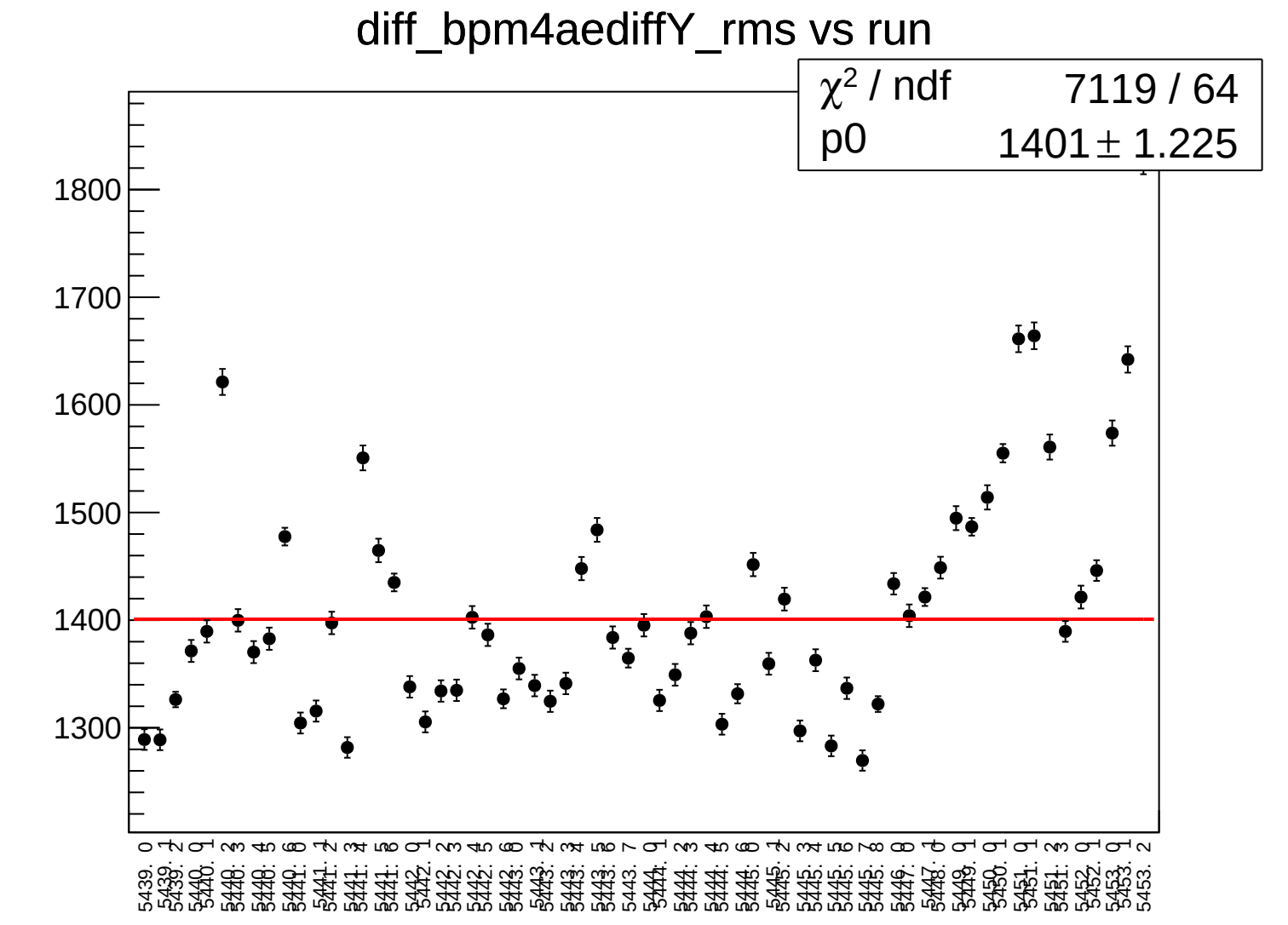

diff_bpm4aesumY_mean vs run
χ^2 / ndf 62.14 / 64
p0 5.845 ± 14.59
pull
Entries 65
Mean 65.9
Std Dev 0

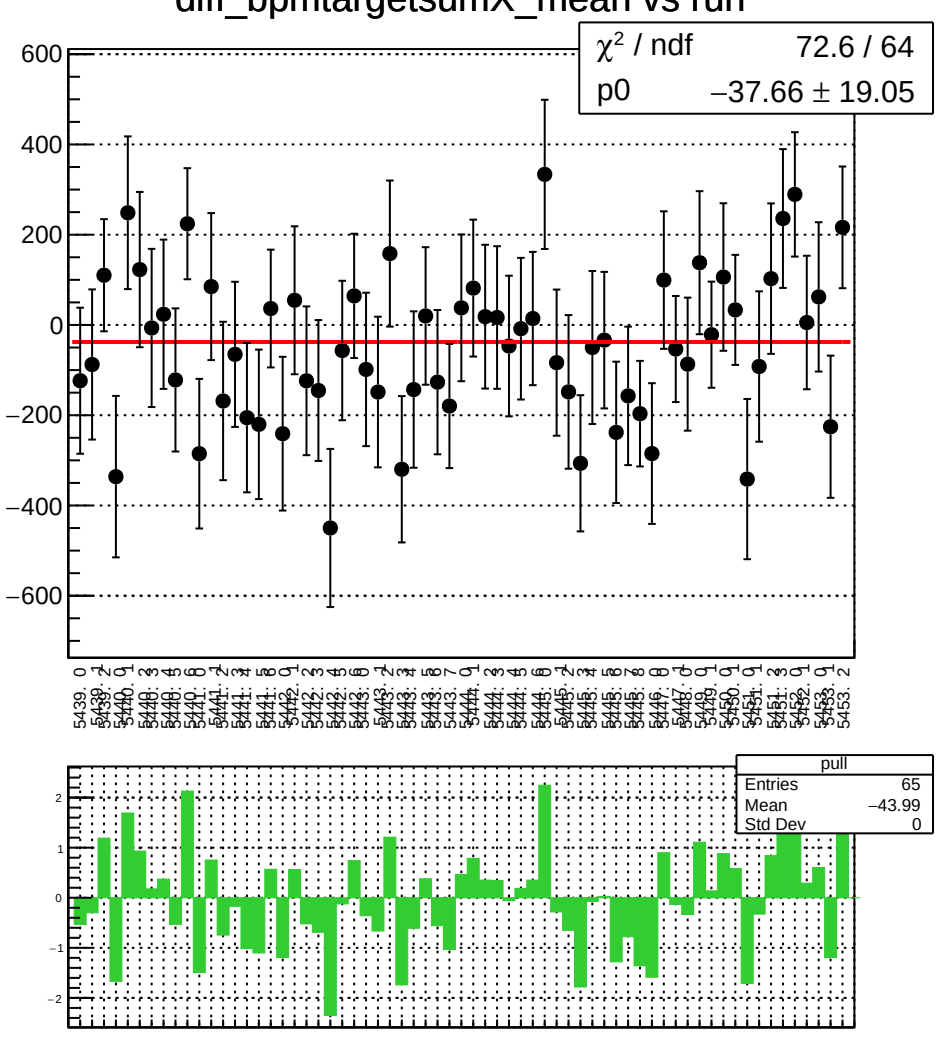

pull1D
Entries 65
Mean 0.02352
Std Dev 0.9775

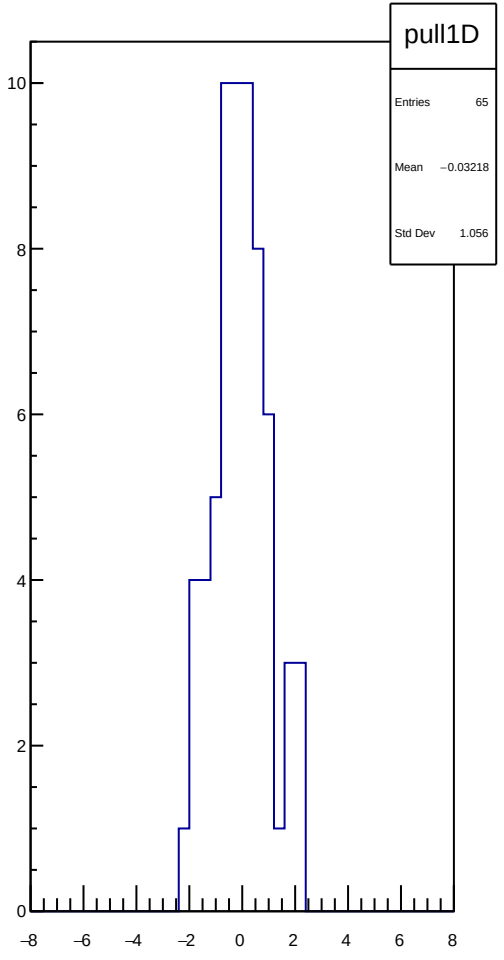

diff_bpm4aesumY_rms vs run
χ² / ndf 8963 / 64
p0 1.179e+04 ± 10.32
15000
14000
13000
12000
11000

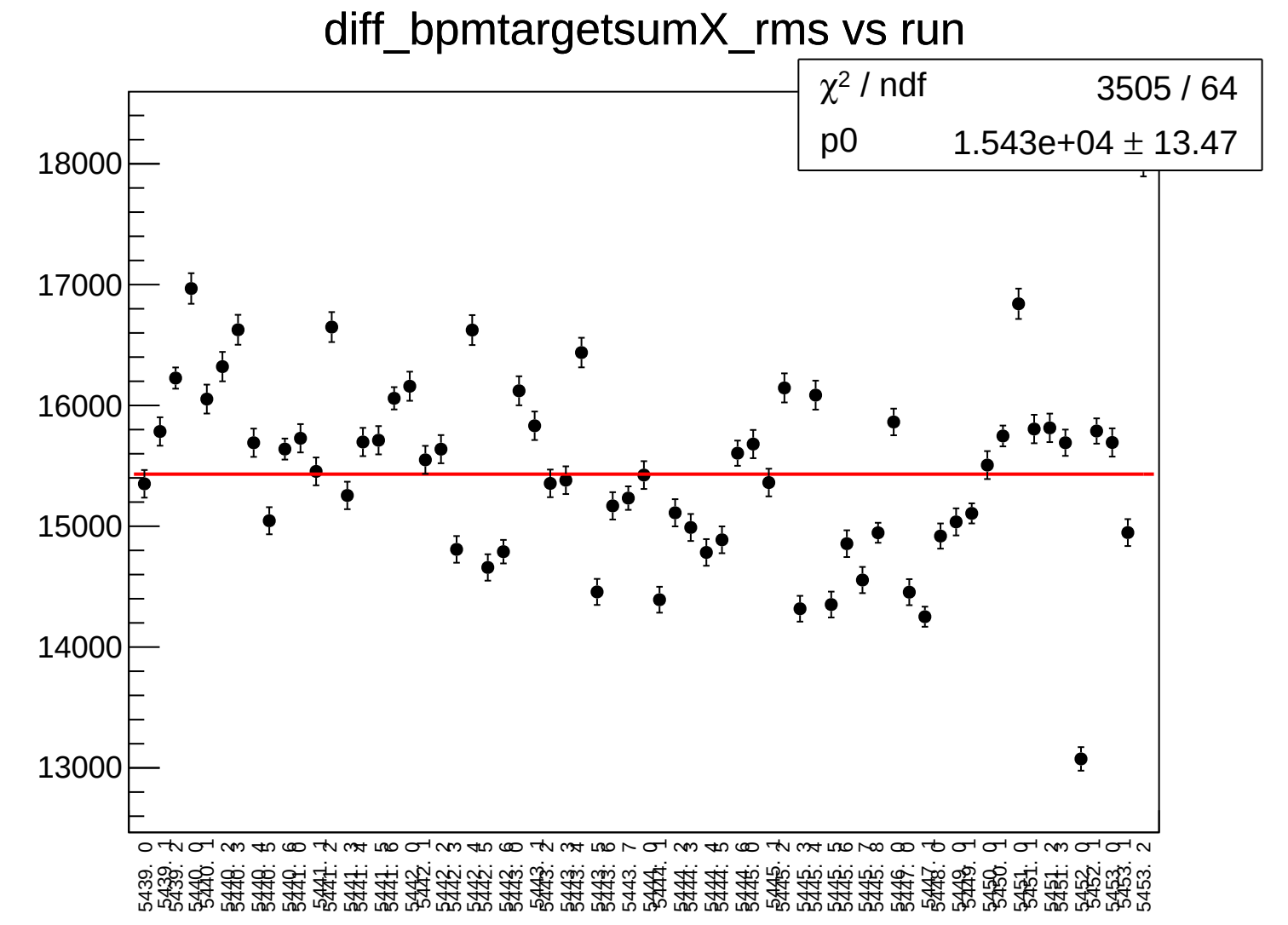

diff_bpm4aediffY_mean vs run
χ² / ndf 85.31 / 64
p0 1.766 ± 1.732
pull
Entries 65
Mean 130.3
Std Dev 0

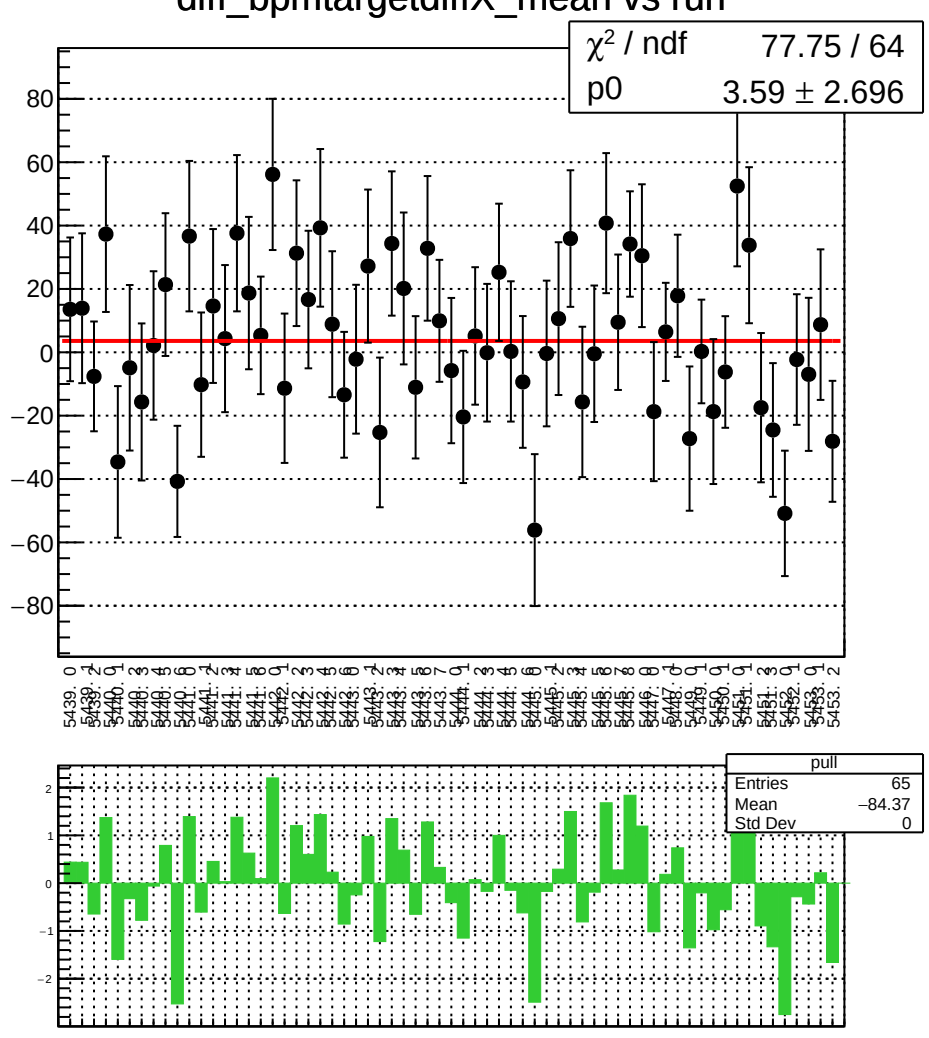

pull1D
Entries 65
Mean 0.008052
Std Dev 1.146

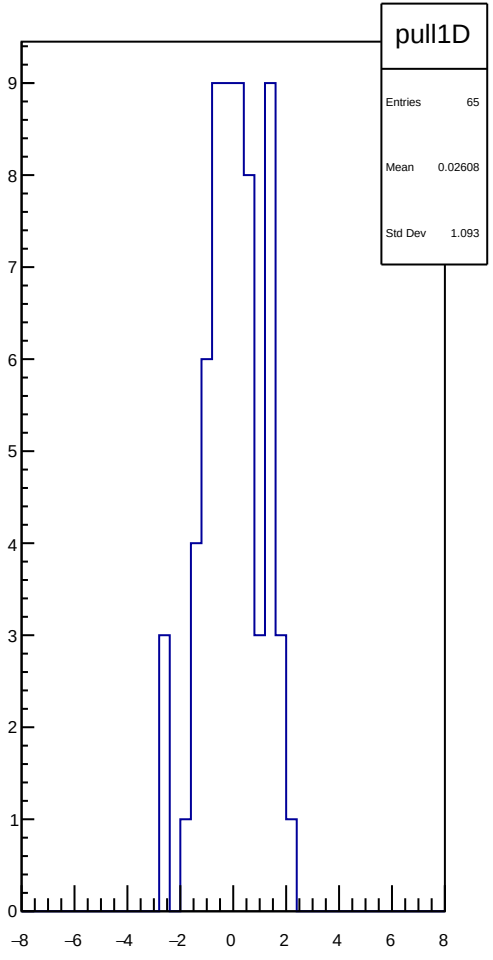

diff_bpm4aediffY_rms vs run
χ² / ndf 7119 / 64
p0 1401 ± 1.225
1800
1700
1600
1500
1400
1300

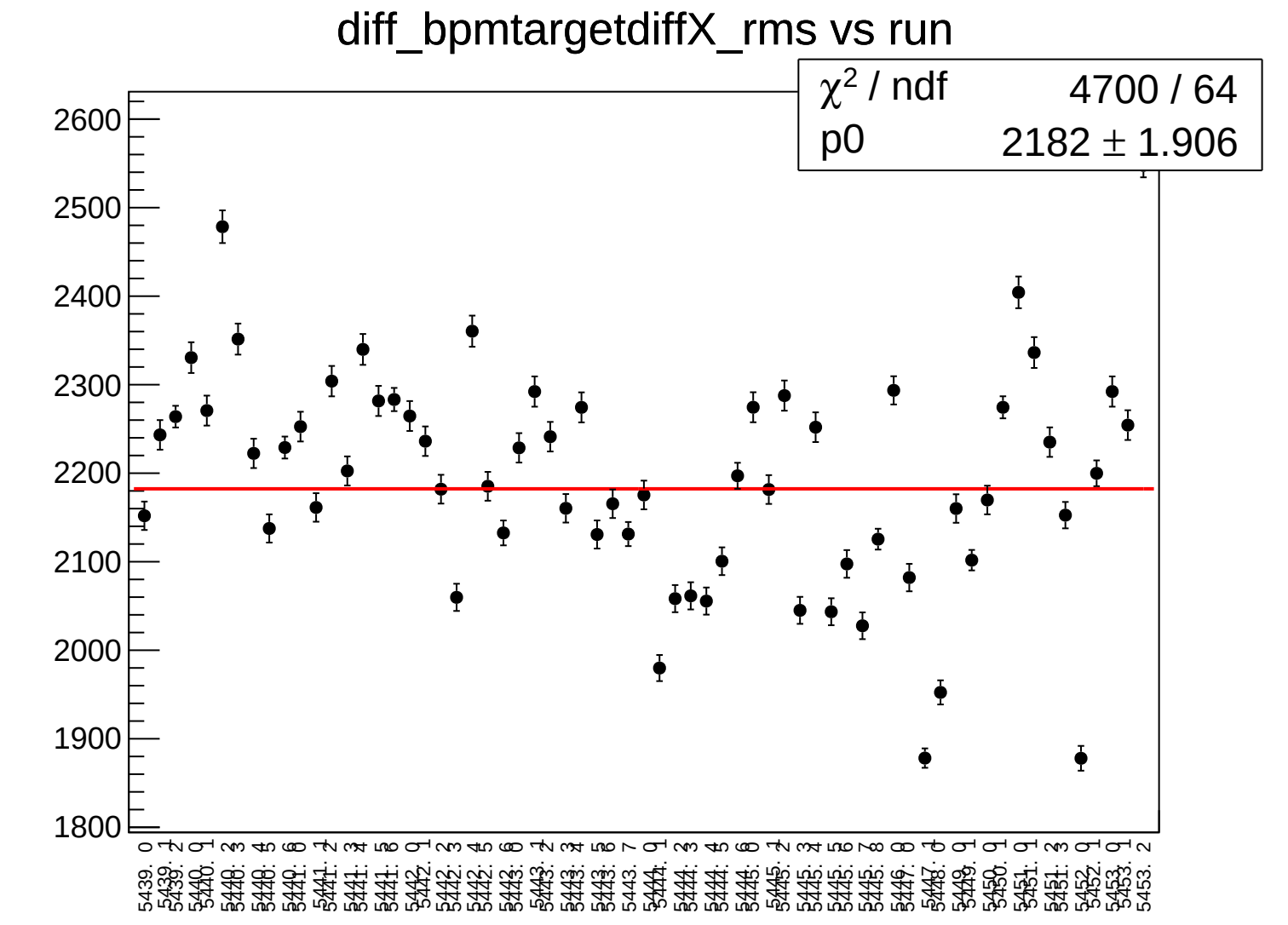

diff_bpmtargetsumX_mean vs run
χ² / ndf 72.6 / 64
p0 −37.66 ± 19.05
pull
Entries 65
Mean −43.99
Std Dev 0

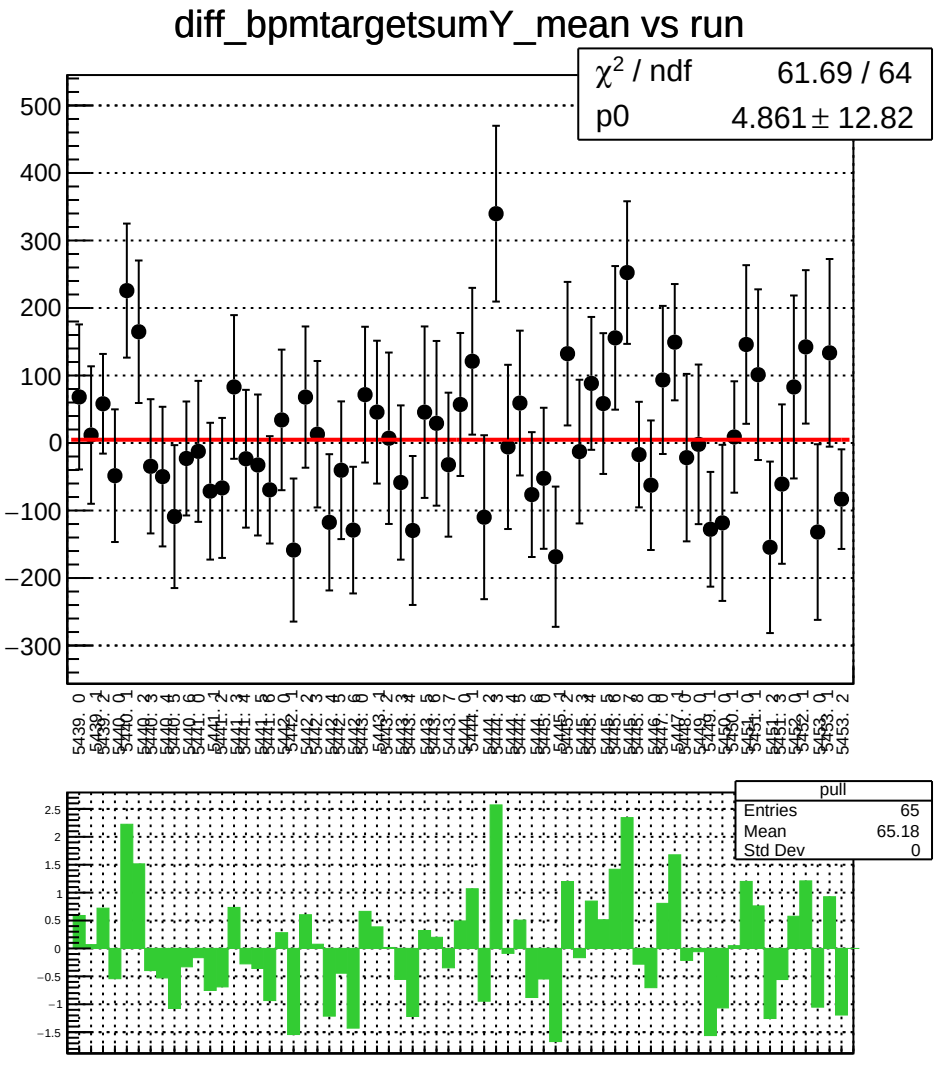

pull1D
Entries 65
Mean −0.03218
Std Dev 1.056

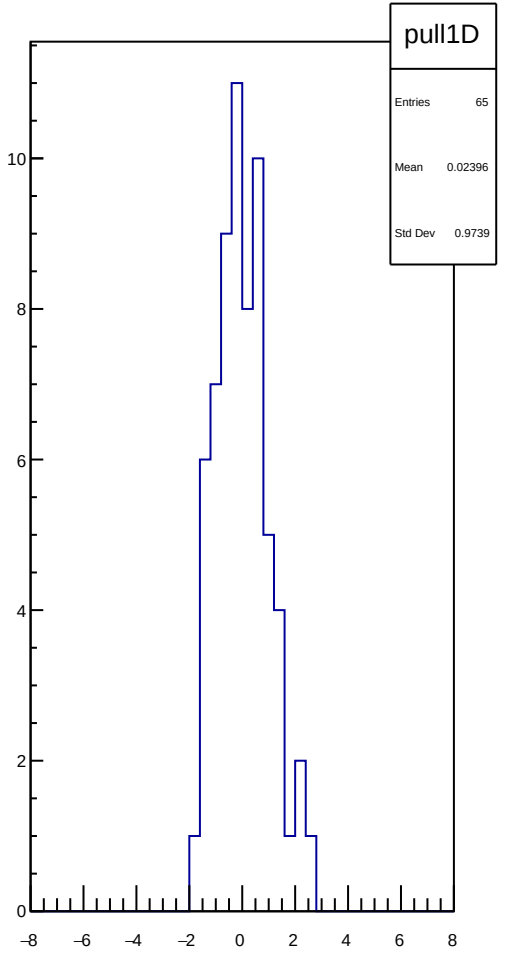

diff_bpmtargetsumX_rms vs run
χ² / ndf 3505 / 64
p0 1.543e+04 ± 13.47
18000
17000
16000
15000
14000
13000

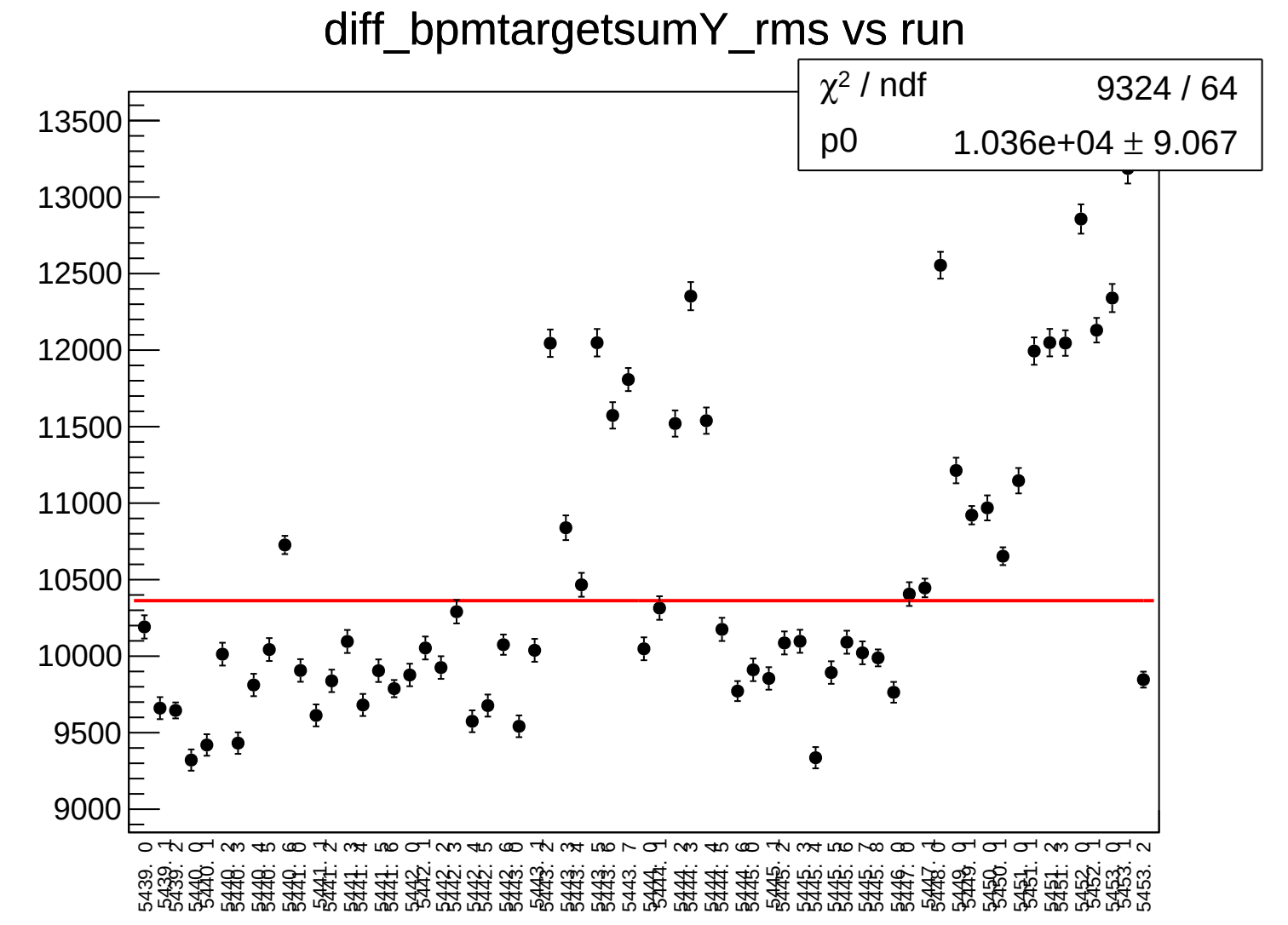

diff_bpmtargetdiffX_mean vs run
χ² / ndf 77.75 / 64
p0 3.59 ± 2.696
pull
Entries 65
Mean −84.37
Std Dev 0

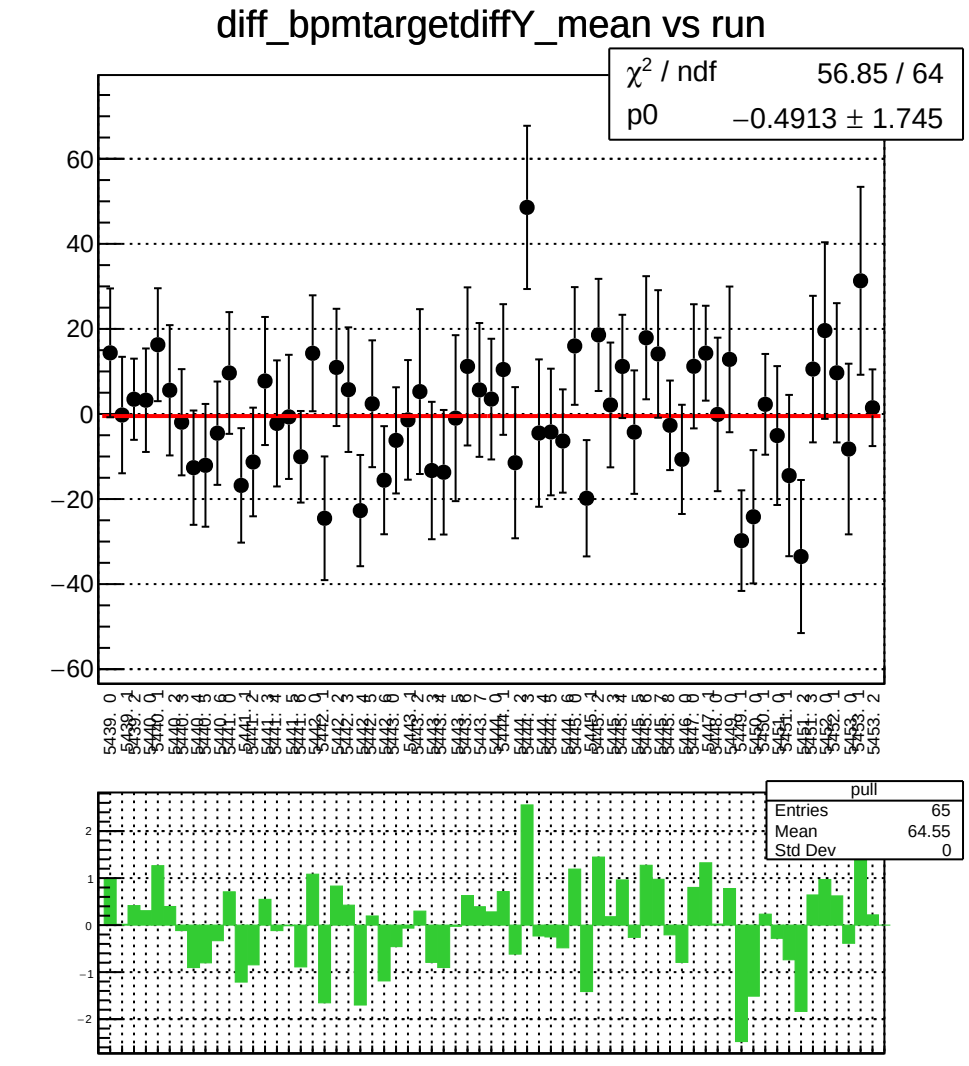

pull1D
Entries 65
Mean 0.02608
Std Dev 1.093

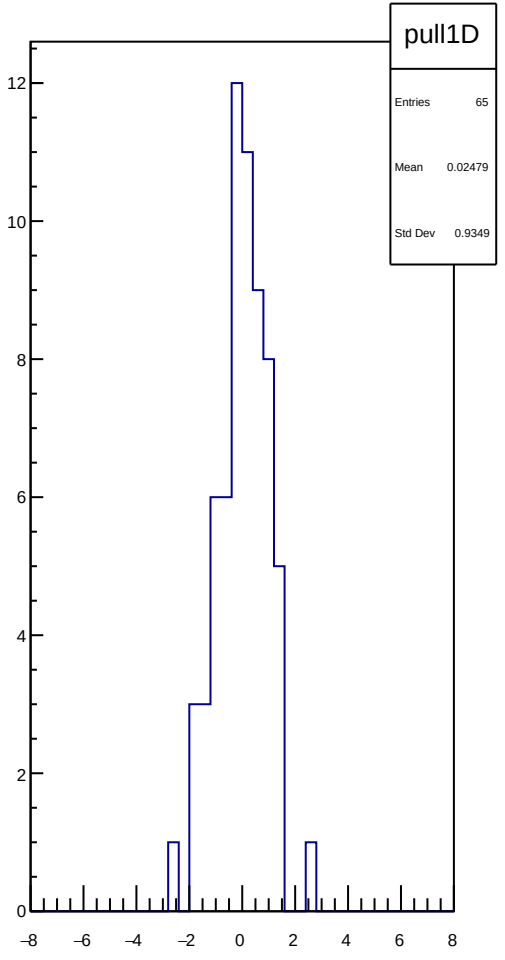

diff_bpmtargetdiffX_rms vs run
χ² / ndf 4700 / 64
p0 2182 ± 1.906
2600
2500
2400
2300
2200
2100
2000
1900
1800

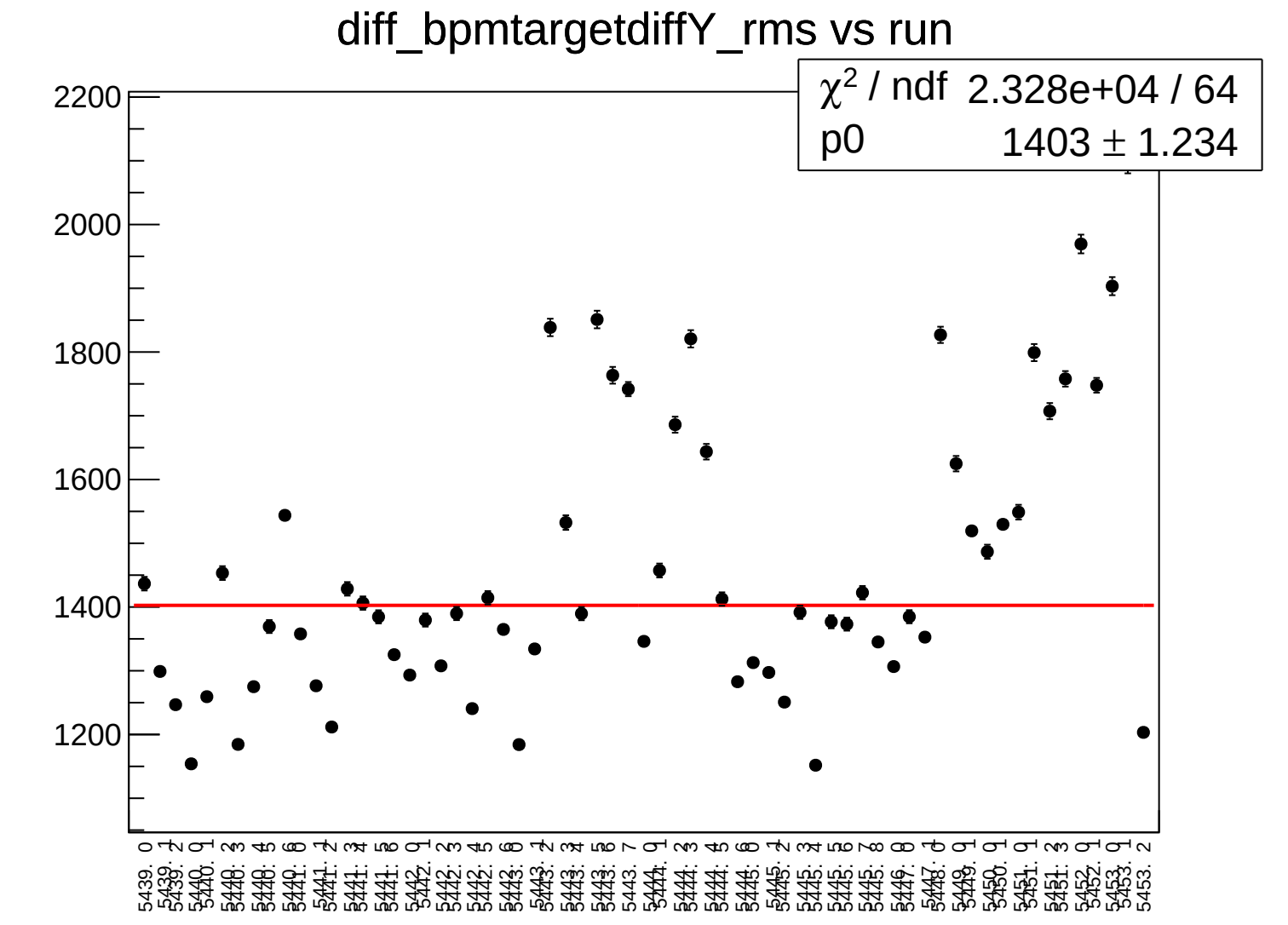

diff_bpmtargetsumY_mean vs run
χ² / ndf 61.69 / 64
p0 4.861 ± 12.82
pull
Entries 65
Mean 65.18
Std Dev 0

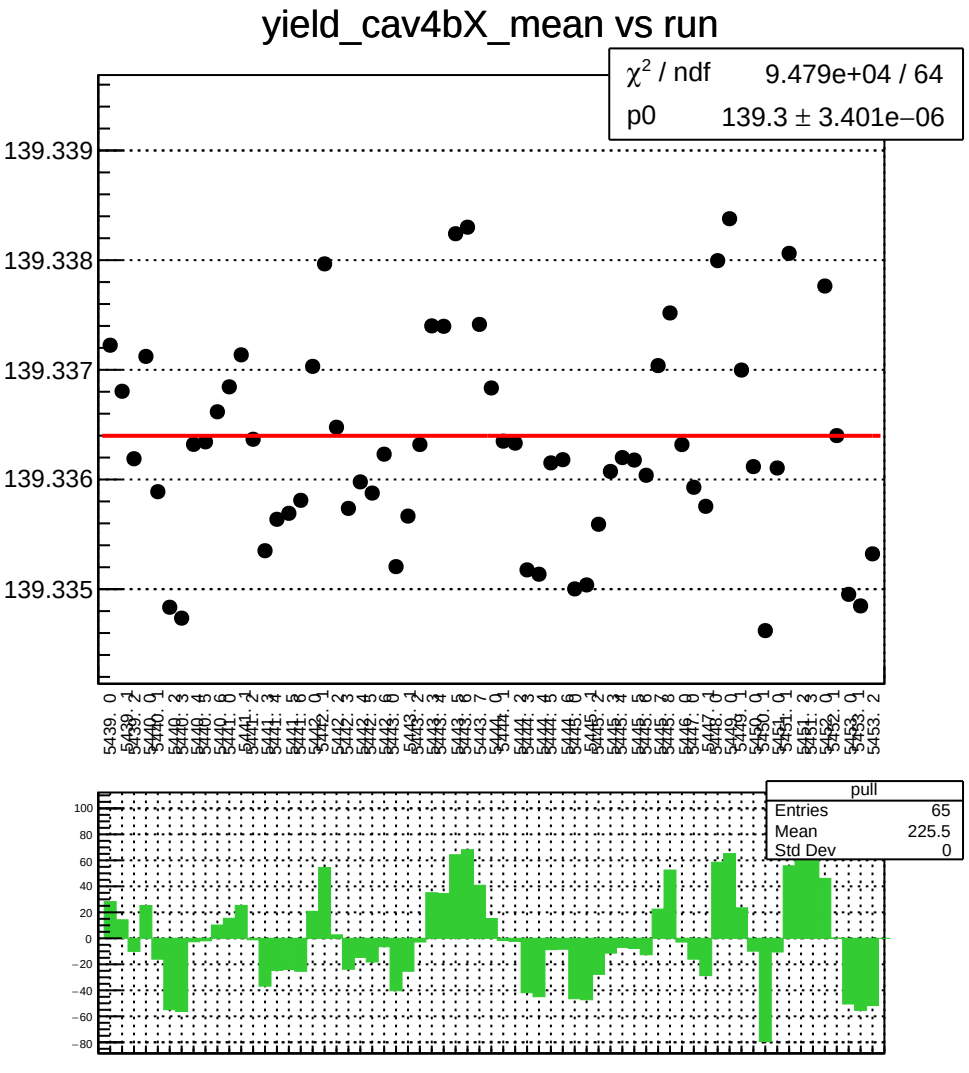

pull1D
Entries 65
Mean 0.02396
Std Dev 0.9739

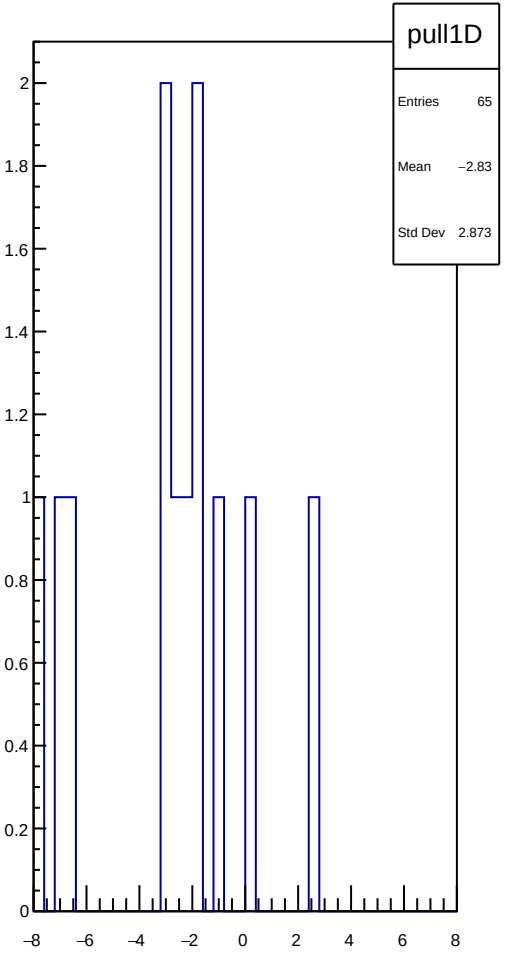

diff_bpmtargetsumY_rms vs run
χ² / ndf 9324 / 64
p0 1.036e+04 ± 9.067
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000

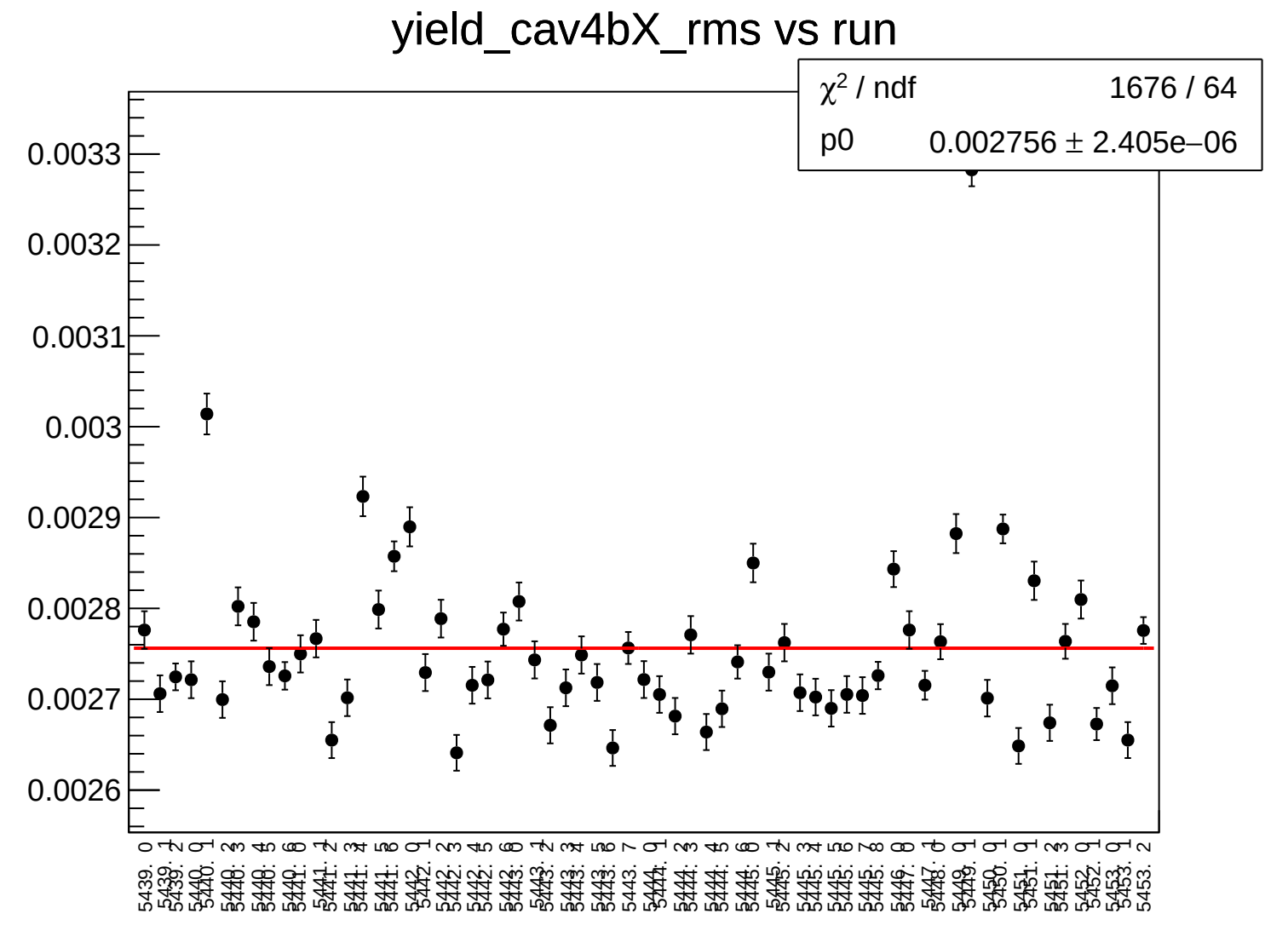

diff_bpmtargetdiffY_mean vs run
χ² / ndf 56.85 / 64
p0 −0.4913 ± 1.745
pull
Entries 65
Mean 64.55
Std Dev 0

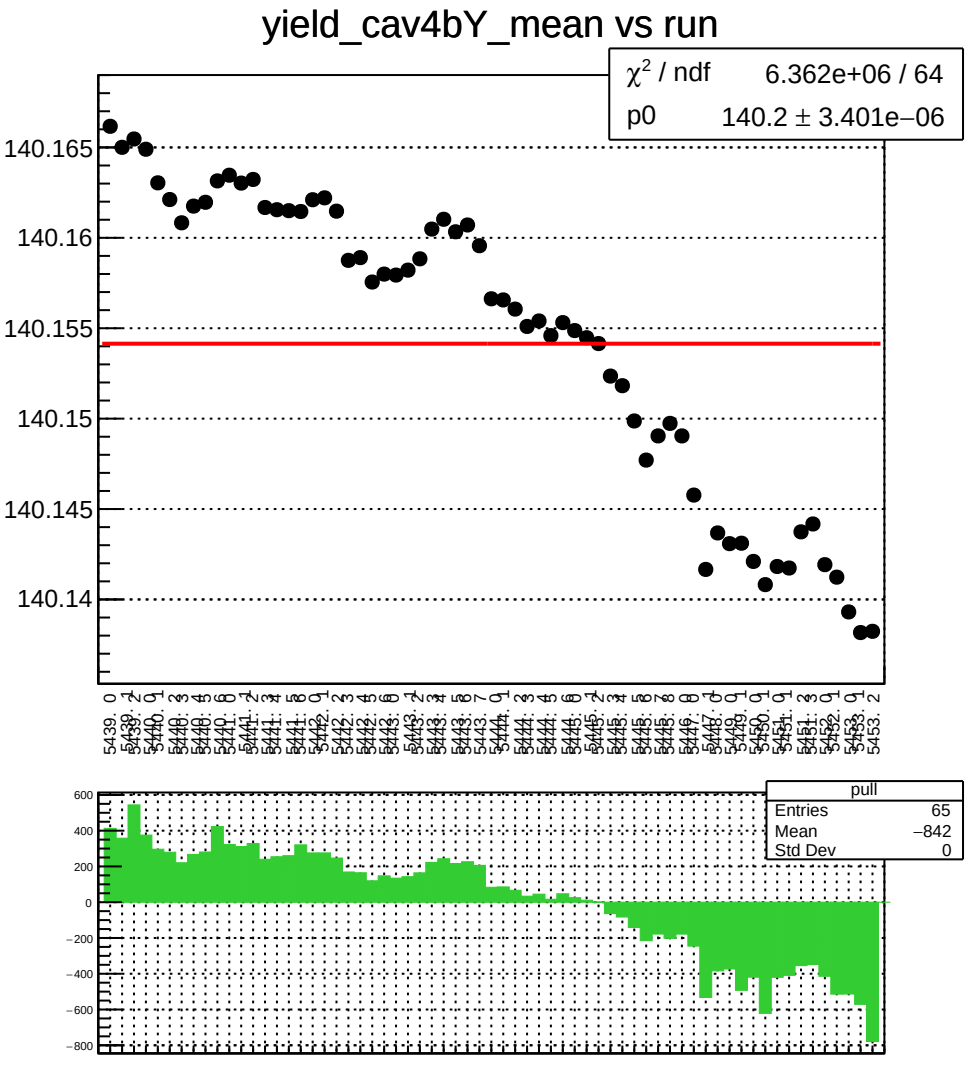

pull1D
Entries 65
Mean 0.02479
Std Dev 0.9349

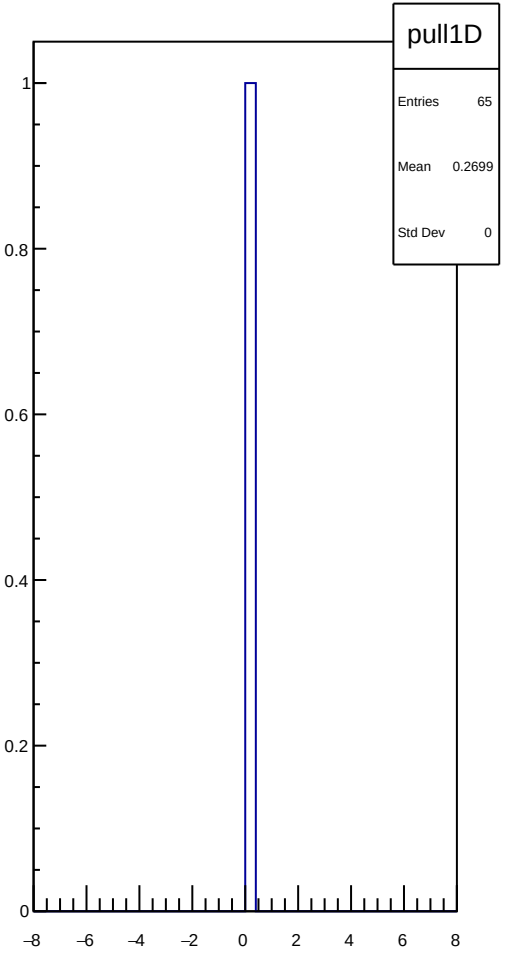

diff_bpmtargetdiffY_rms vs run
χ² / ndf 2.328e+04 / 64
p0 1403 ± 1.234
2200
2000
1800
1600
1400
1200

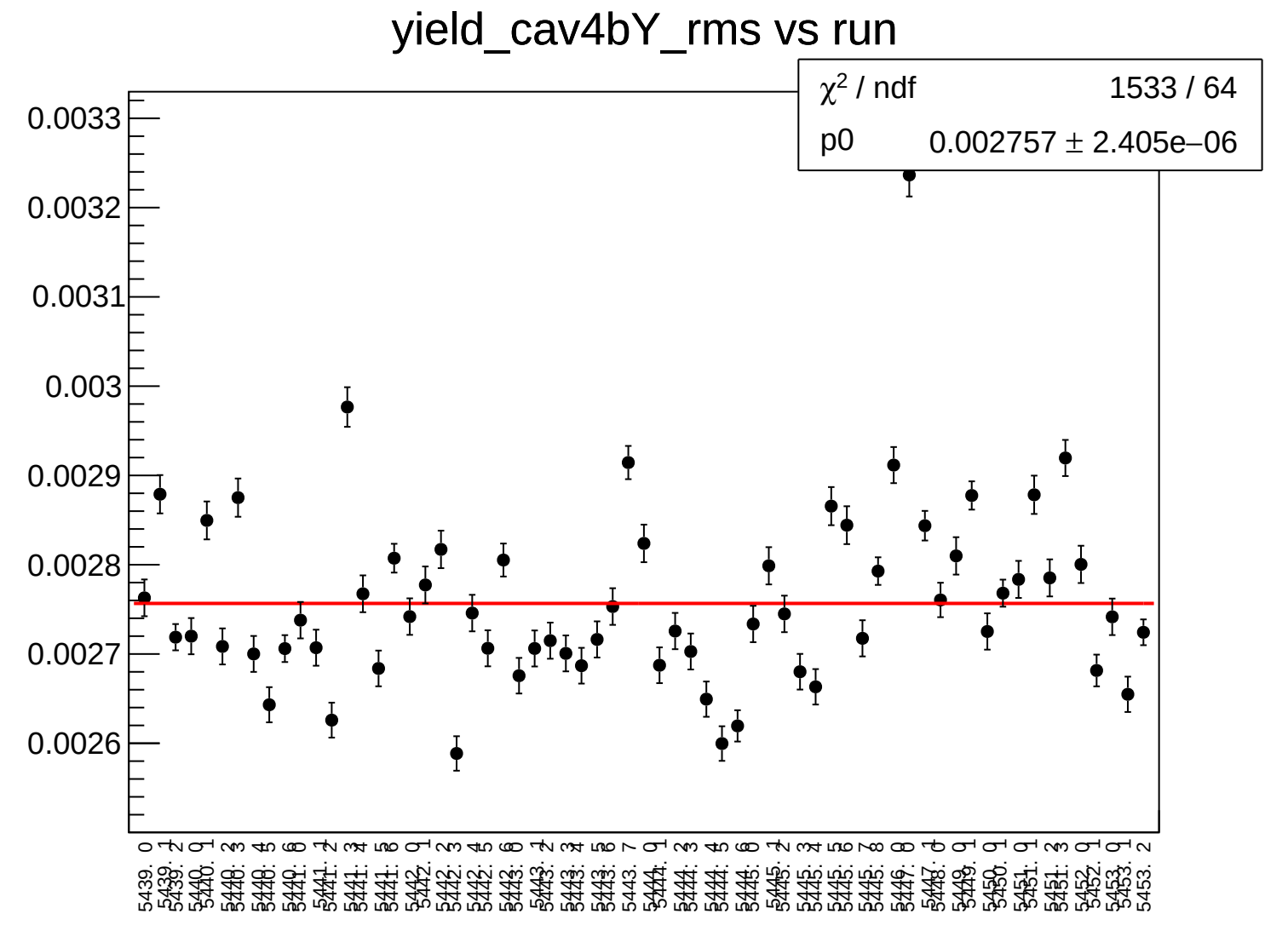

yield_cav4bX_mean vs run
χ² / ndf 9.479e+04 / 64
p0 139.3 ± 3.401e−06
139.339
139.338
139.337
139.336
139.335
pull
Entries 65
Mean 225.5
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

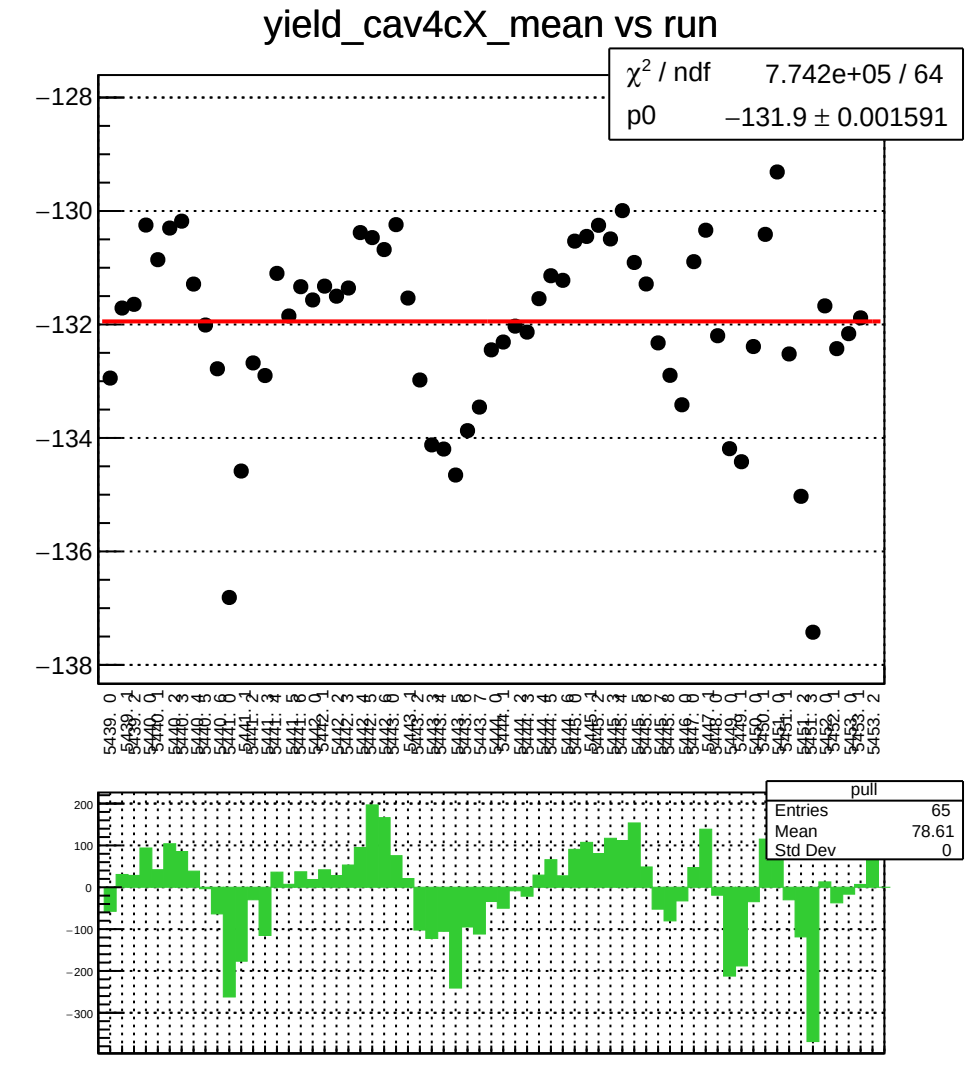

pull1D
Entries 65
Mean −2.83
Std Dev 2.873
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

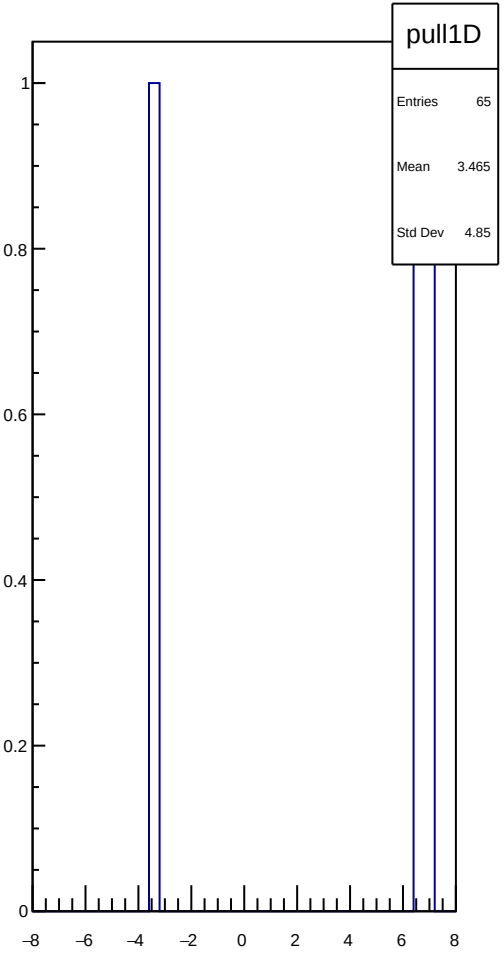

yield_cav4bX_rms vs run
χ² / ndf 1676 / 64
p0 0.002756 ± 2.405e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026

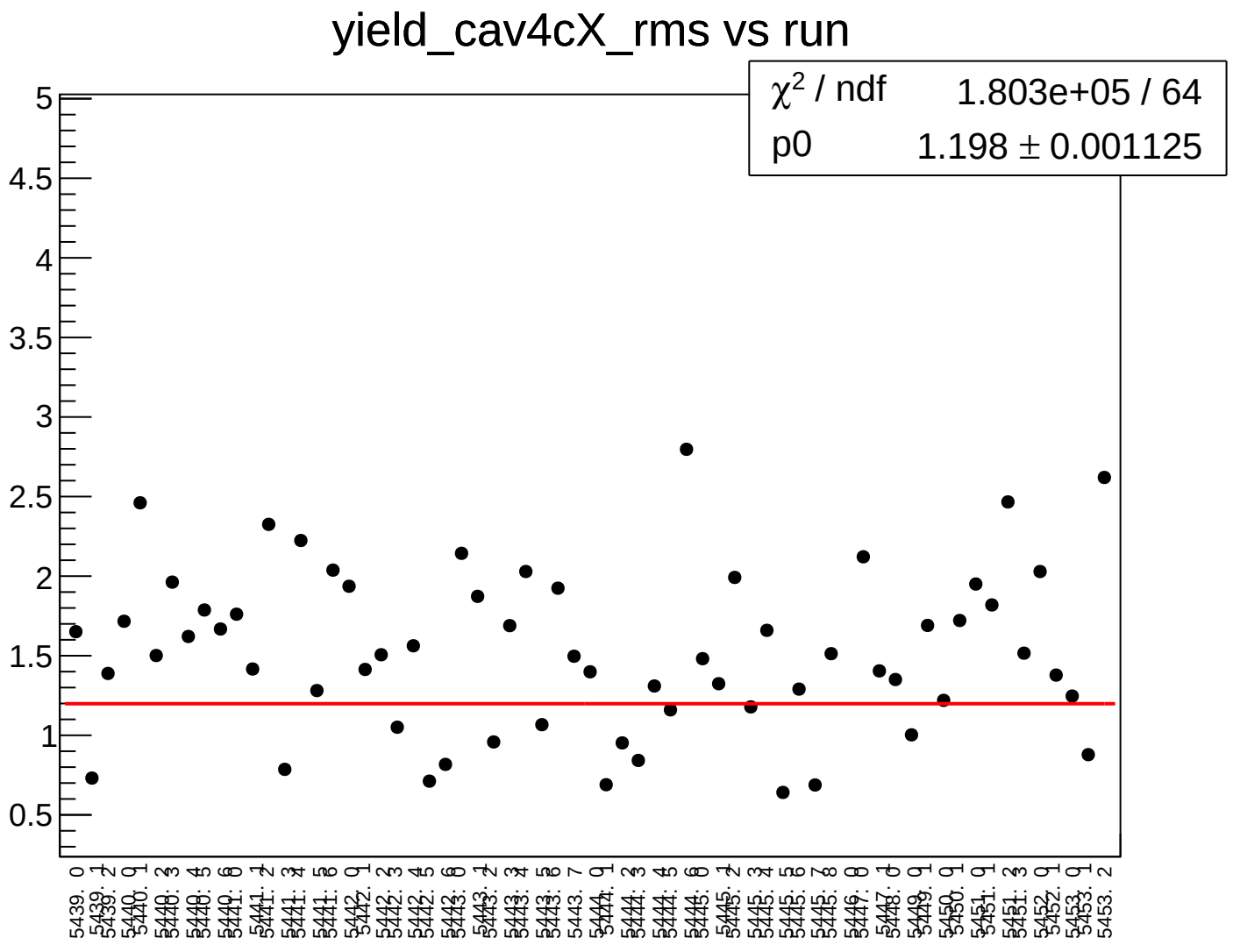

yield_cav4bY_mean vs run
χ² / ndf 6.362e+06 / 64
p0 140.2 ± 3.401e−06
140.165
140.16
140.155
140.15
140.145
140.14
pull
Entries 65
Mean −842
Std Dev 0
600
400
200
0
−200
−400
−600
−800

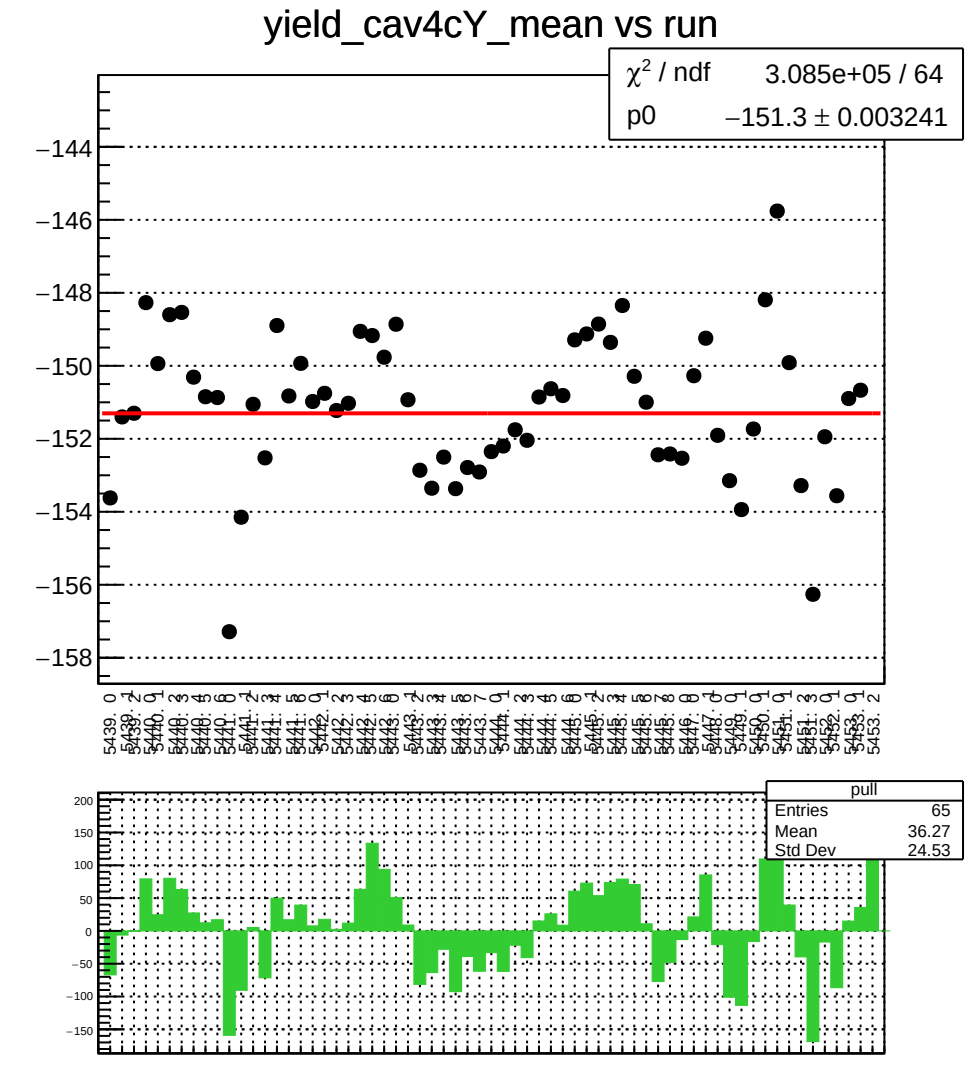

pull1D
Entries 65
Mean 0.2699
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

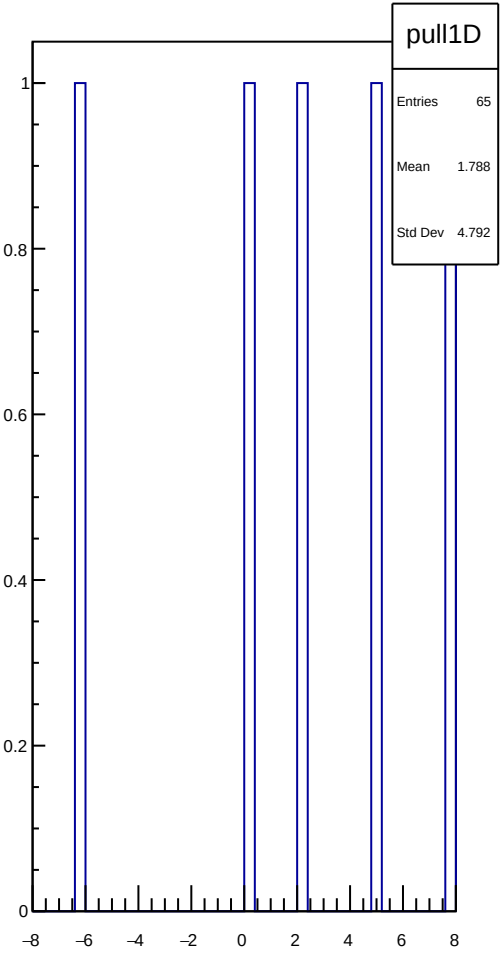

yield_cav4bY_rms vs run
χ² / ndf 1533 / 64
p0 0.002757 ± 2.405e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026

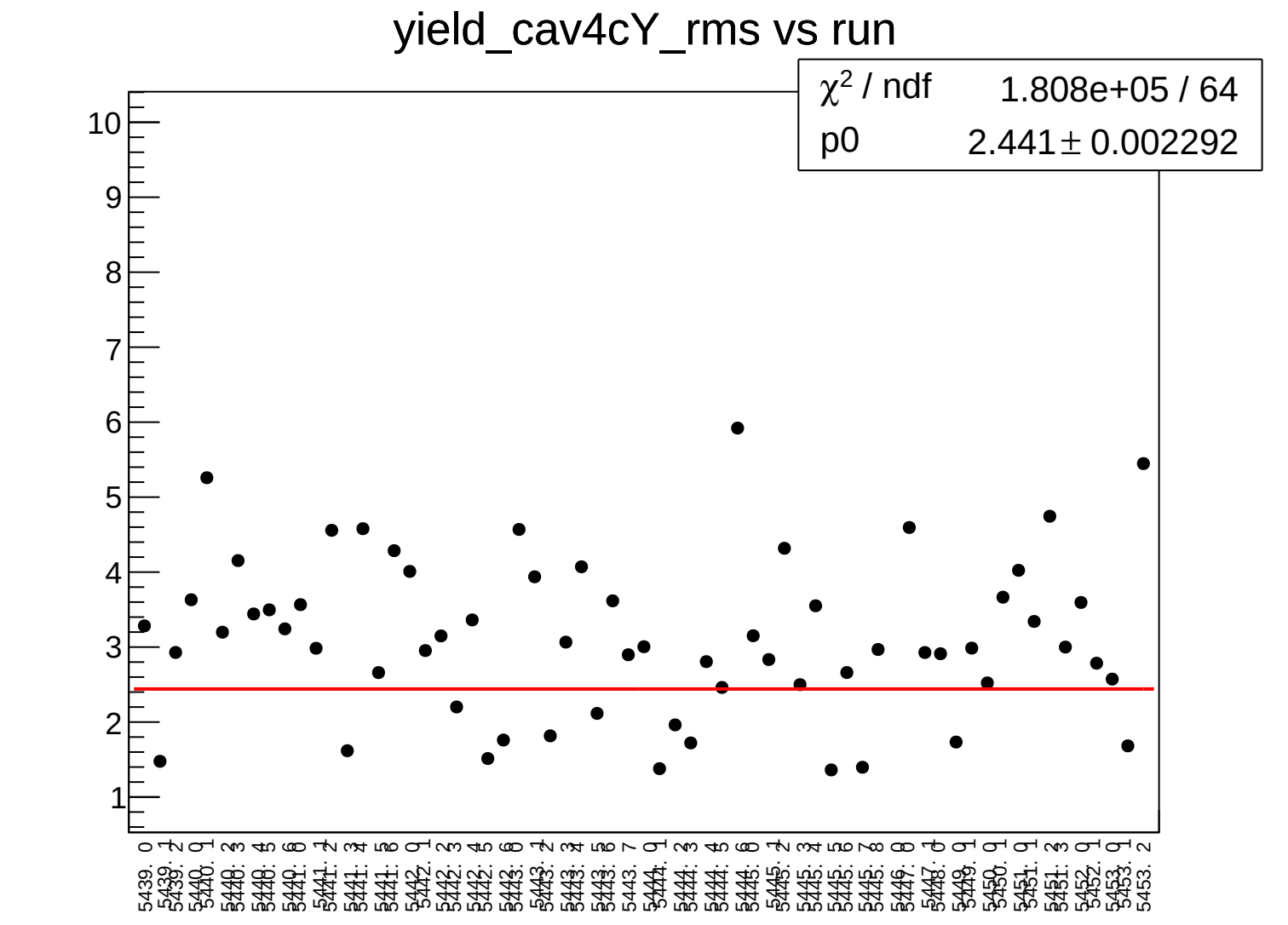

yield_cav4cX_mean vs run
χ² / ndf 7.742e+05 / 64
p0 −131.9 ± 0.001591
−128
−130
−132
−134
−136
−138
pull
Entries 65
Mean 78.61
Std Dev 0
200
100
0
−100
−200
−300

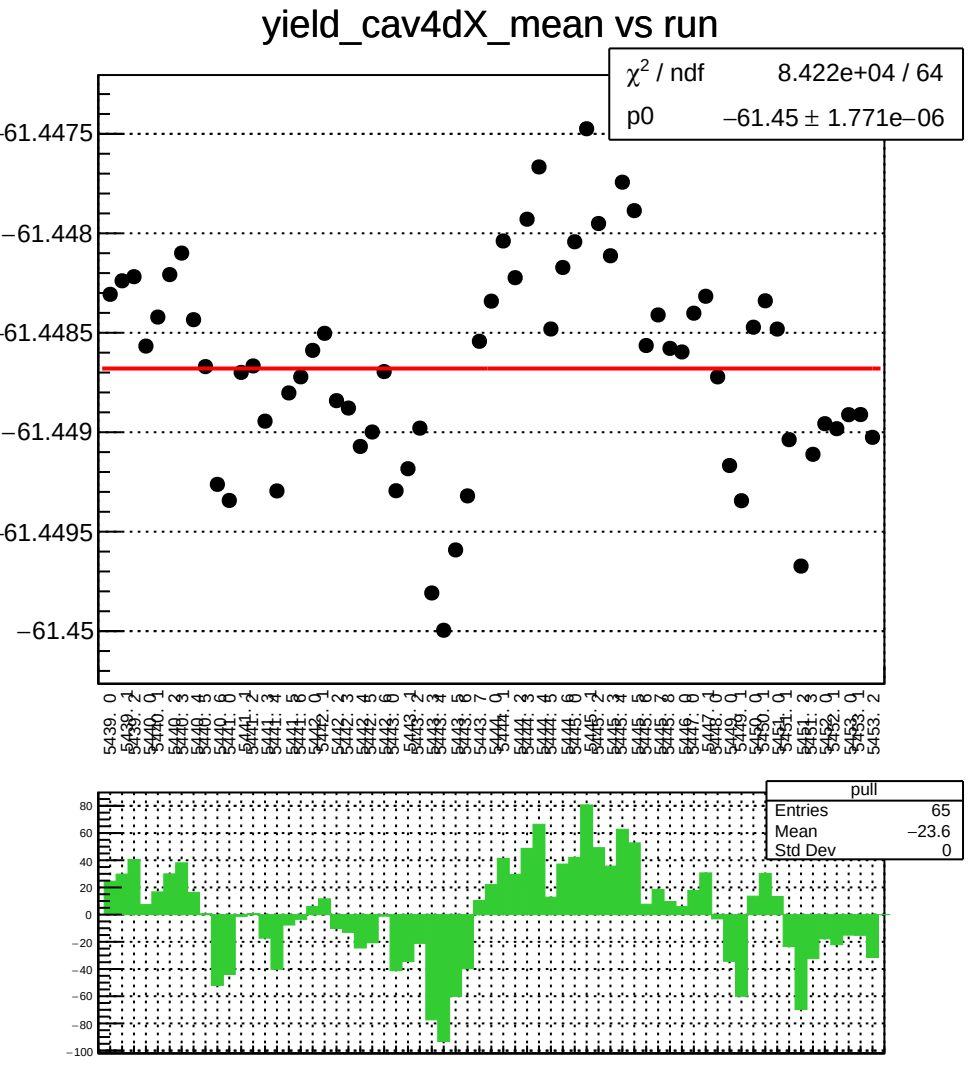

pull1D
Entries 65
Mean 3.465
Std Dev 4.85
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

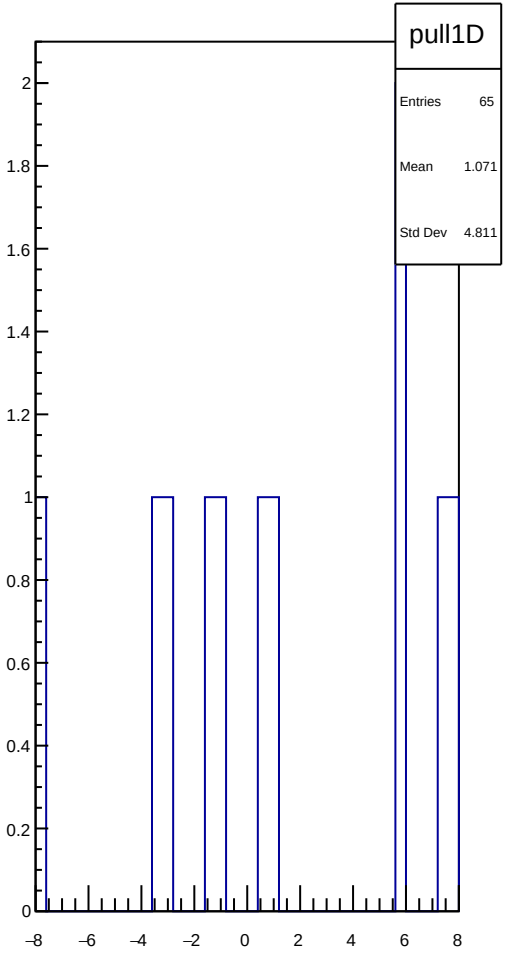

yield_cav4cX_rms vs run
χ^2 / ndf 1.803e+05 / 64
p0 1.198 ± 0.001125
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5

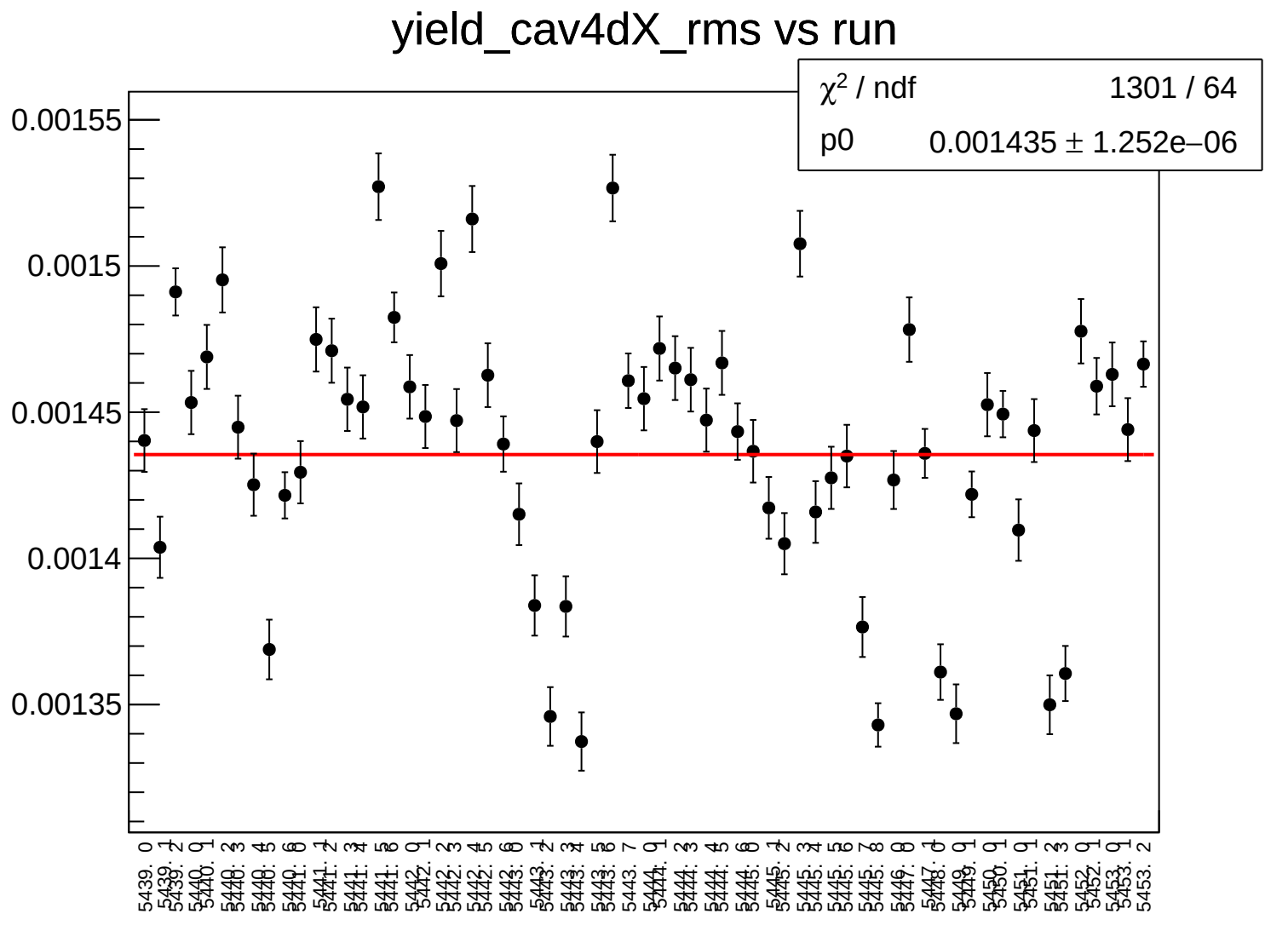

yield_cav4cY_mean vs run
χ² / ndf 3.085e+05 / 64
p0 −151.3 ± 0.003241
pull
Entries 65
Mean 36.27
Std Dev 24.53

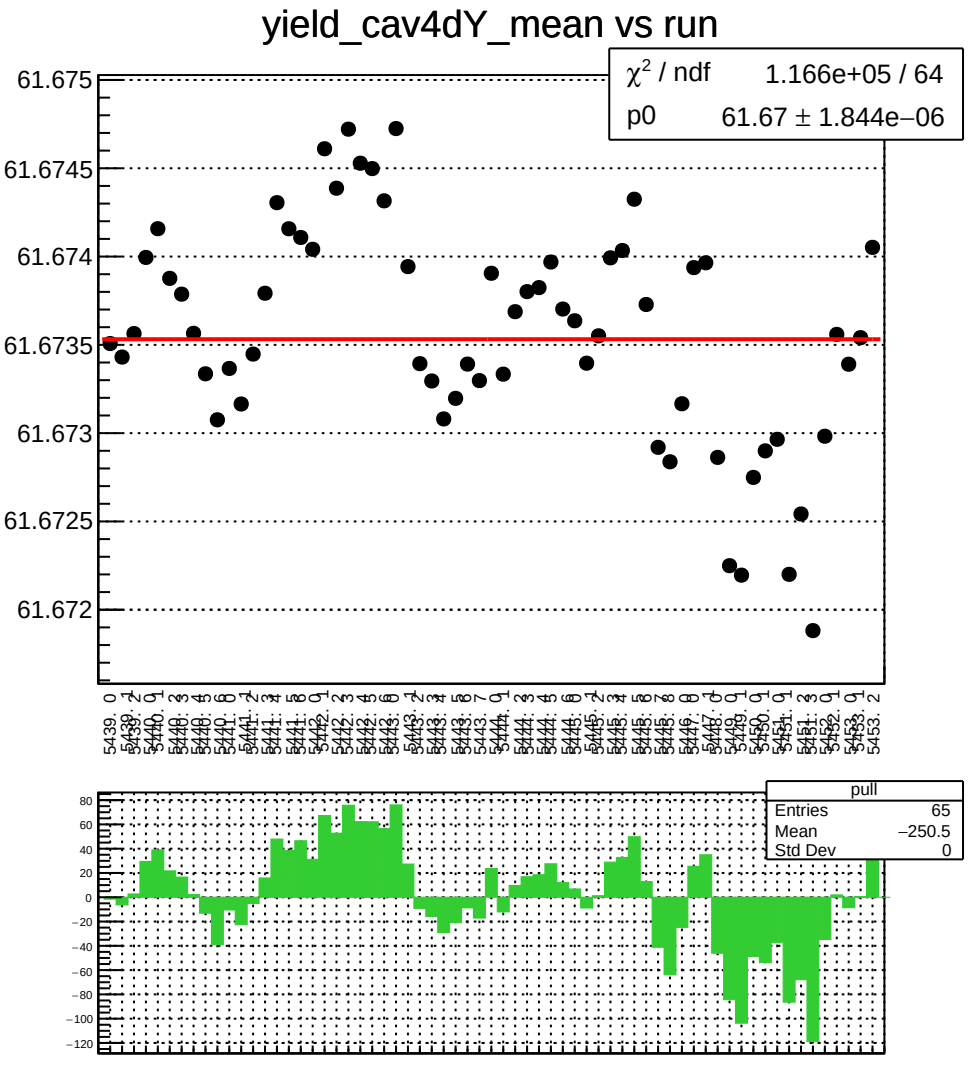

pull1D
Entries 65
Mean 1.788
Std Dev 4.792

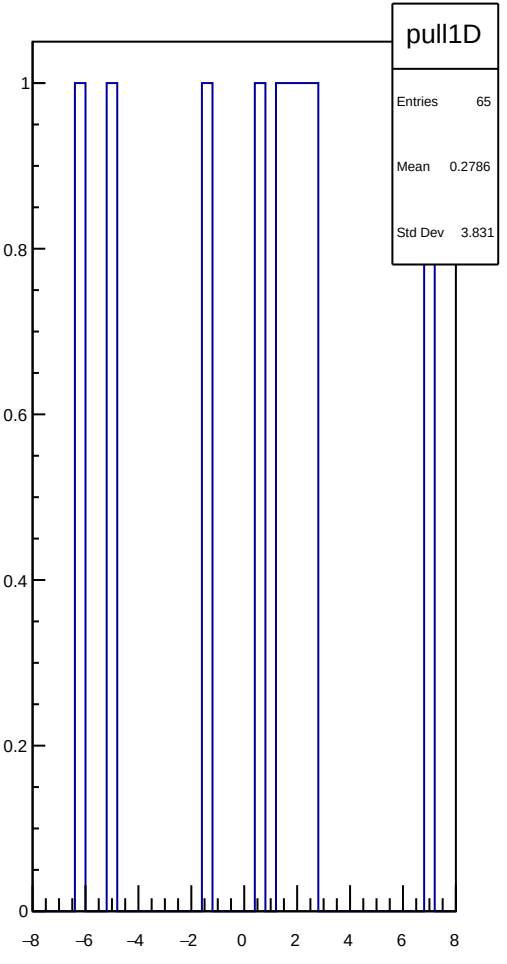

yield_cav4cY_rms vs run
χ^2 / ndf 1.808e+05 / 64
p0 2.441 ± 0.002292
10
9
8
7
6
5
4
3
2
1

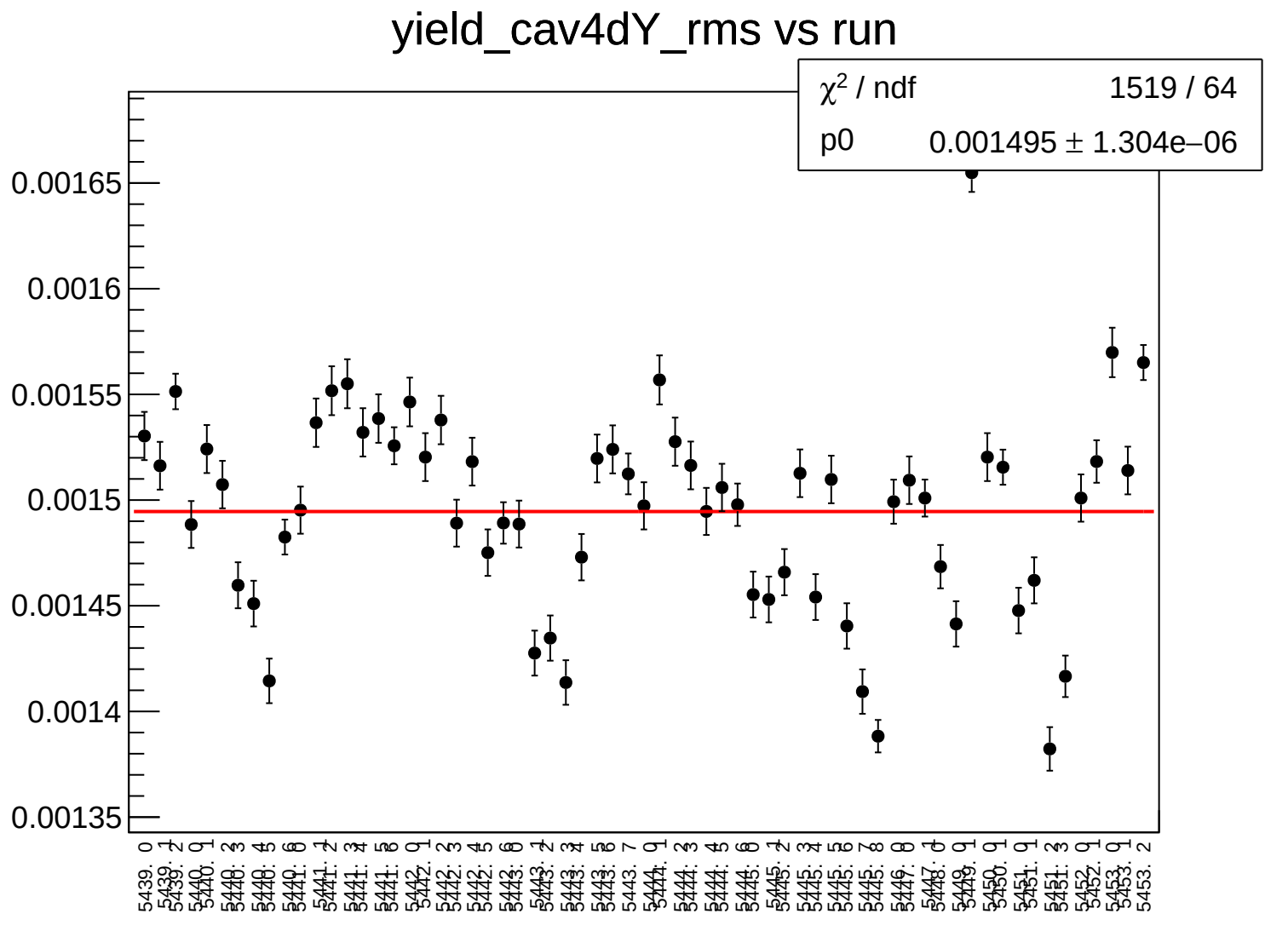

yield_cav4dX_mean vs run
χ² / ndf 8.422e+04 / 64
p0 −61.45 ± 1.771e−06
−61.4475
−61.448
−61.4485
−61.449
−61.4495
−61.45
pull
Entries 65
Mean −23.6
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

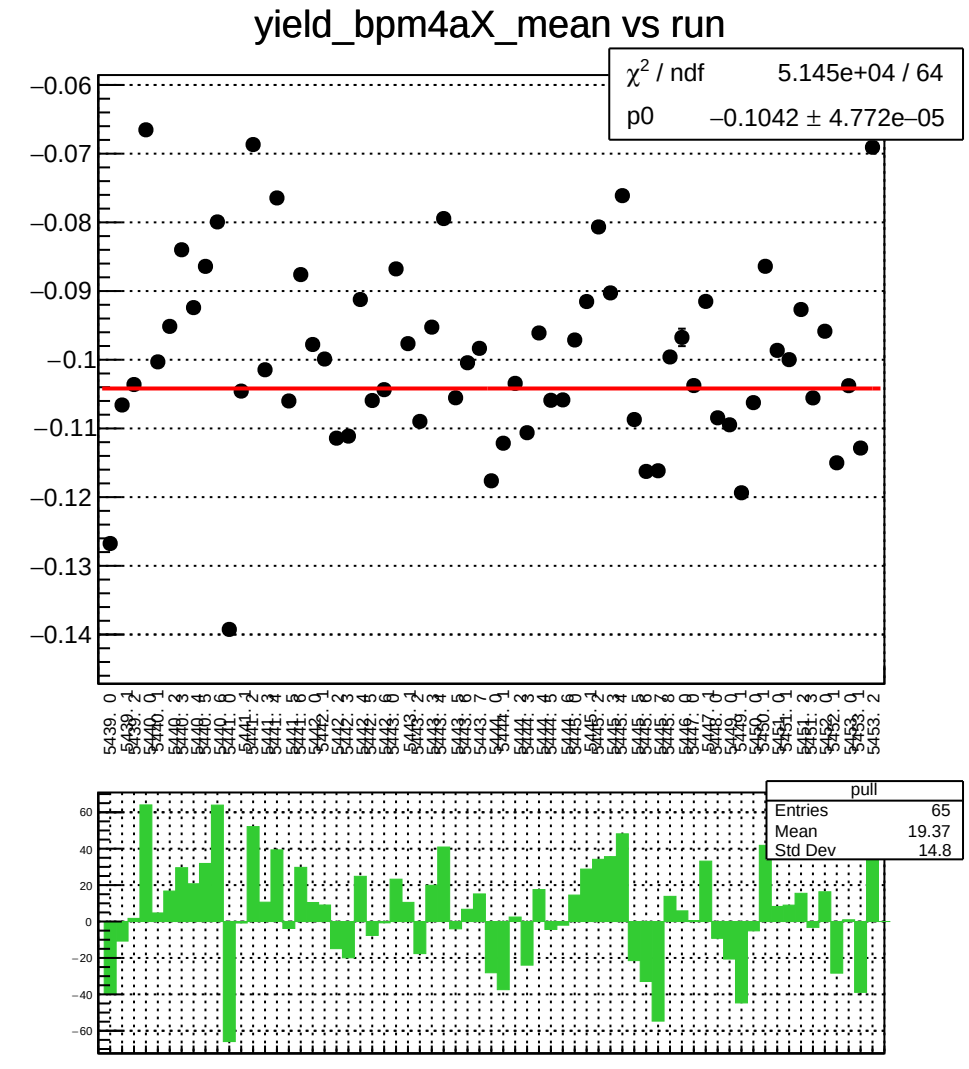

pull1D
Entries 65
Mean 1.071
Std Dev 4.811
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

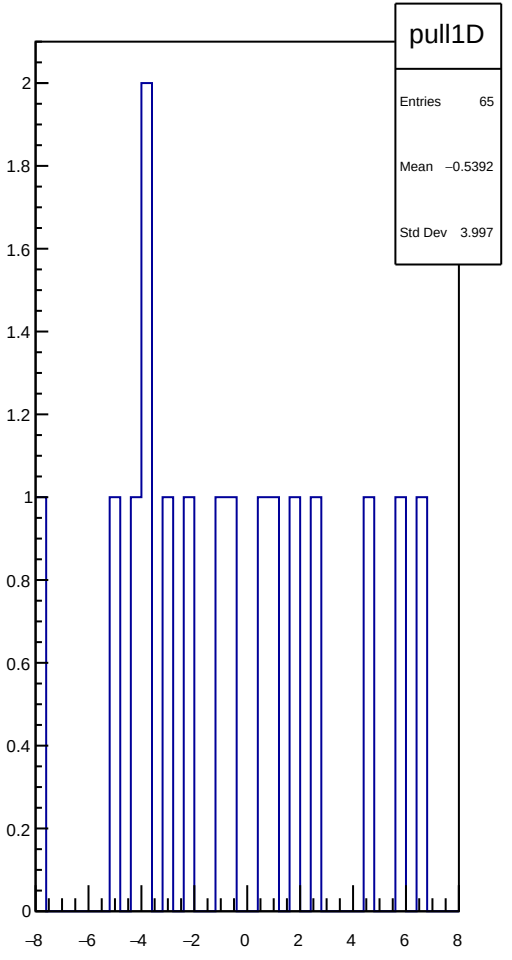

yield_cav4dX_rms vs run
χ² / ndf 1301 / 64
p0 0.001435 ± 1.252e−06
0.00155
0.0015
0.00145
0.0014
0.00135

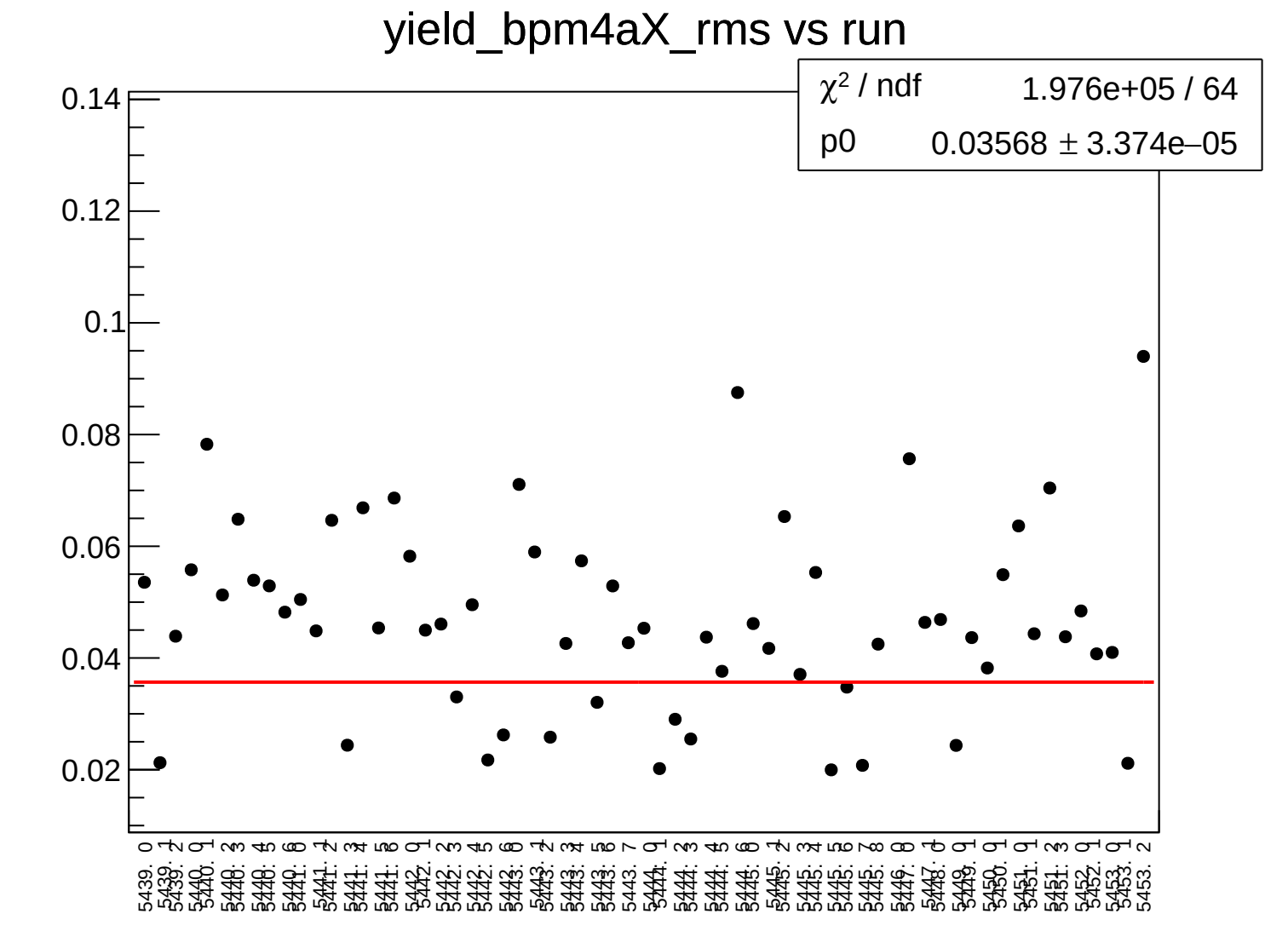

yield_cav4dY_mean vs run
χ² / ndf 1.166e+05 / 64
p0 61.67 ± 1.844e−06
61.675
61.6745
61.674
61.6735
61.673
61.6725
61.672
pull
Entries 65
Mean −250.5
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120

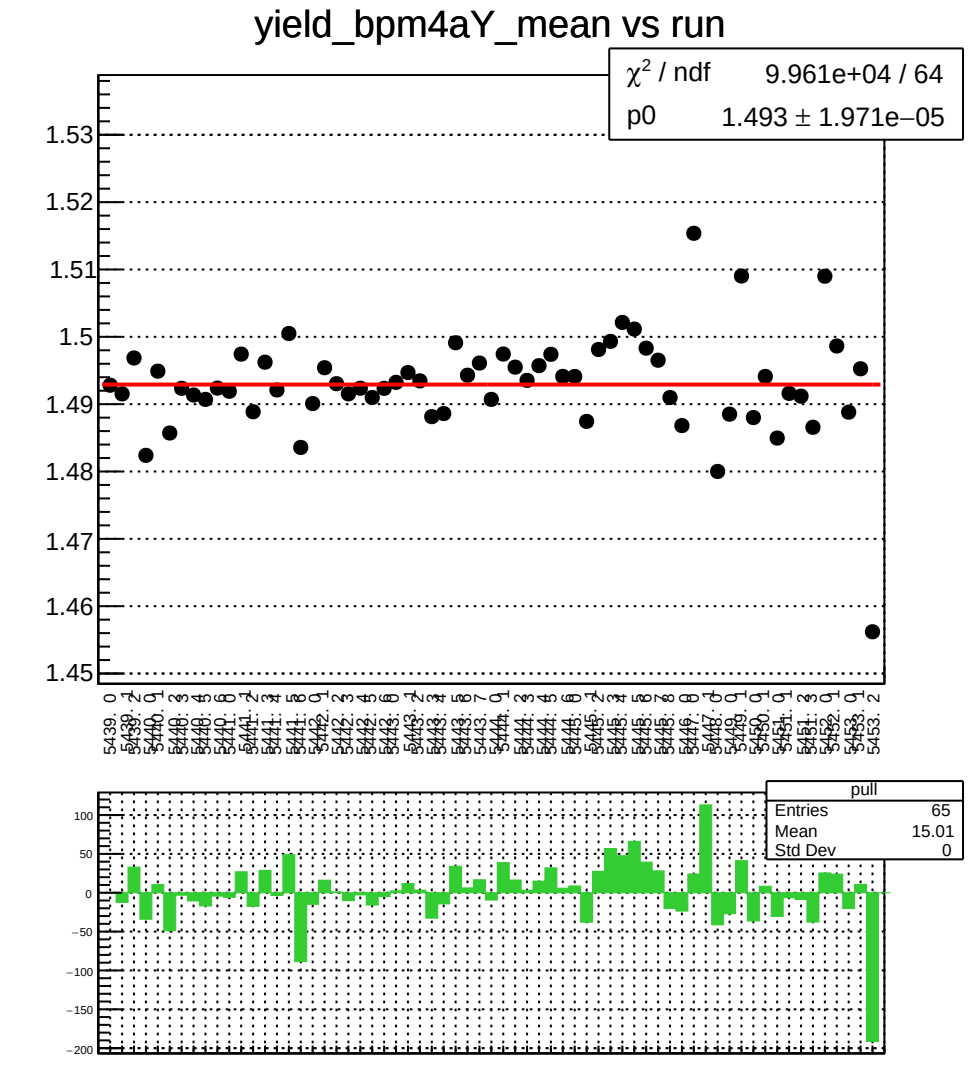

pull1D
Entries 65
Mean 0.2786
Std Dev 3.831
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

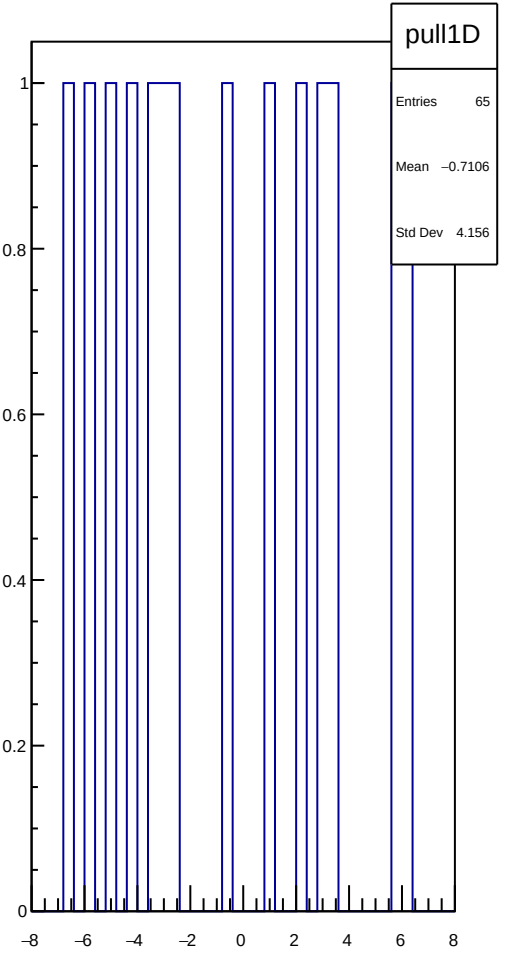

yield_cav4dY_rms vs run
χ² / ndf 1519 / 64
p0 0.001495 ± 1.304e−06
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135

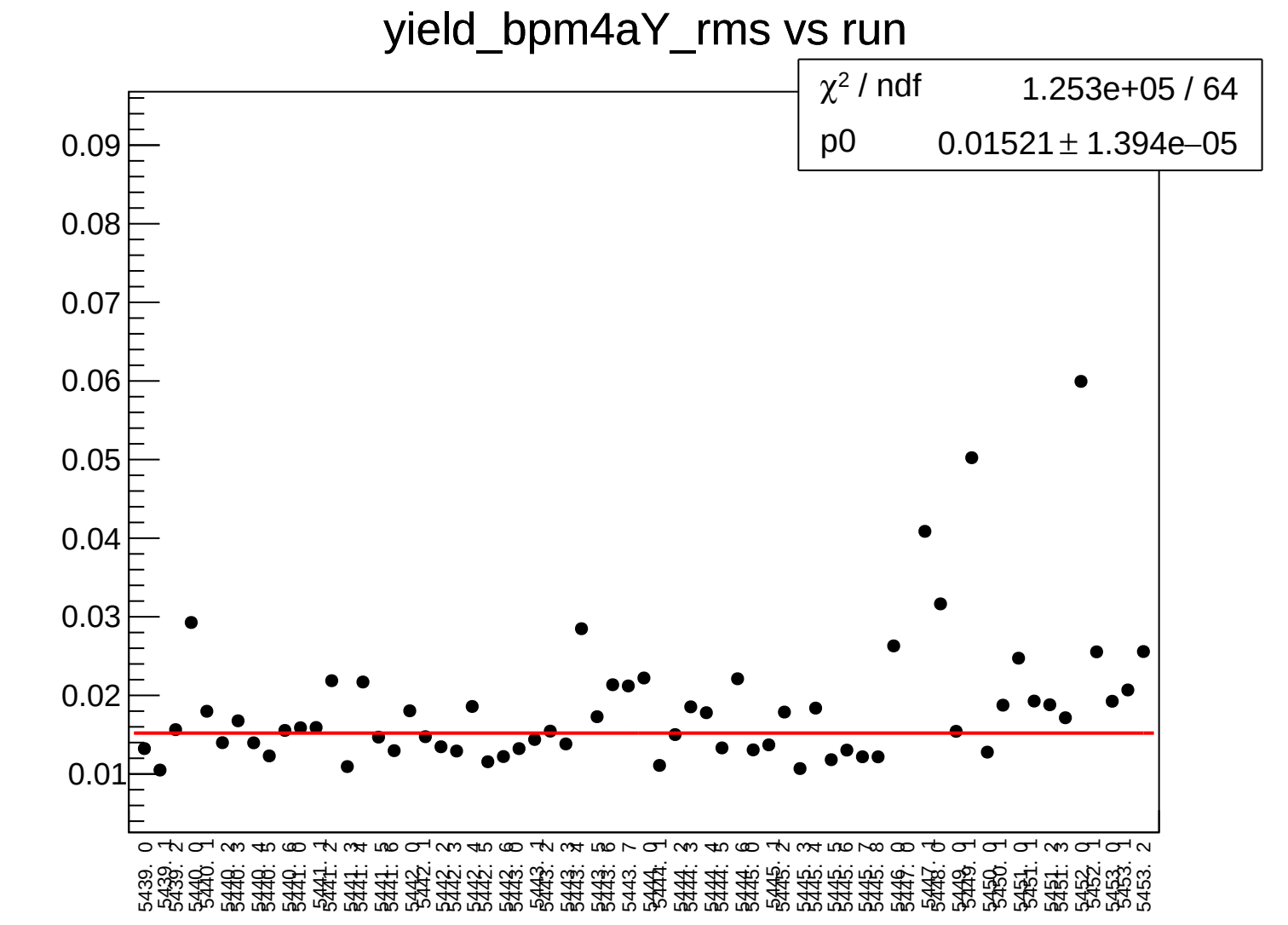

yield_bpm4aX_mean vs run
χ² / ndf 5.145e+04 / 64
p0 −0.1042 ± 4.772e−05
−0.06
−0.07
−0.08
−0.09
−0.1
−0.11
−0.12
−0.13
−0.14
pull
Entries 65
Mean 19.37
Std Dev 14.8
60
40
20
0
−20
−40
−60

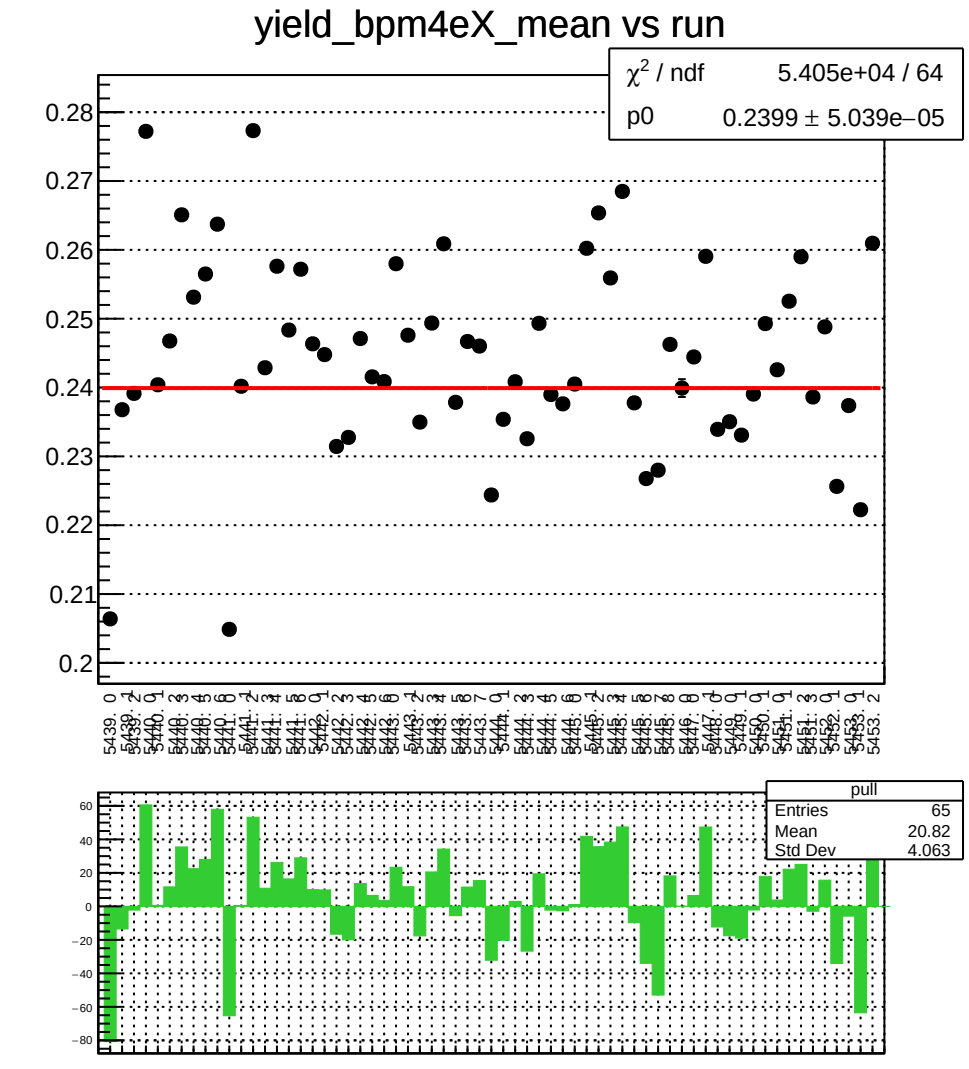

pull1D
Entries 65
Mean −0.5392
Std Dev 3.997
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

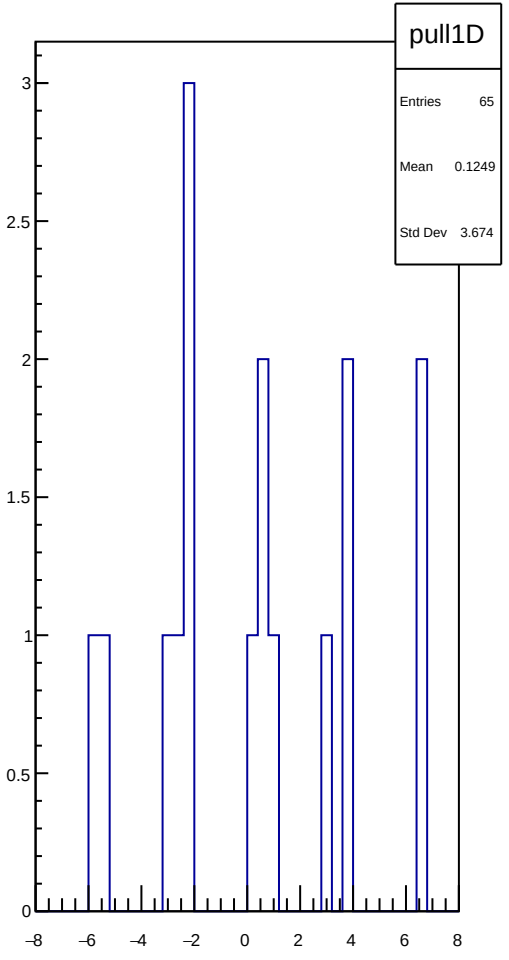

yield_bpm4aX_rms vs run
χ² / ndf 1.976e+05 / 64
p0 0.03568 ± 3.374e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

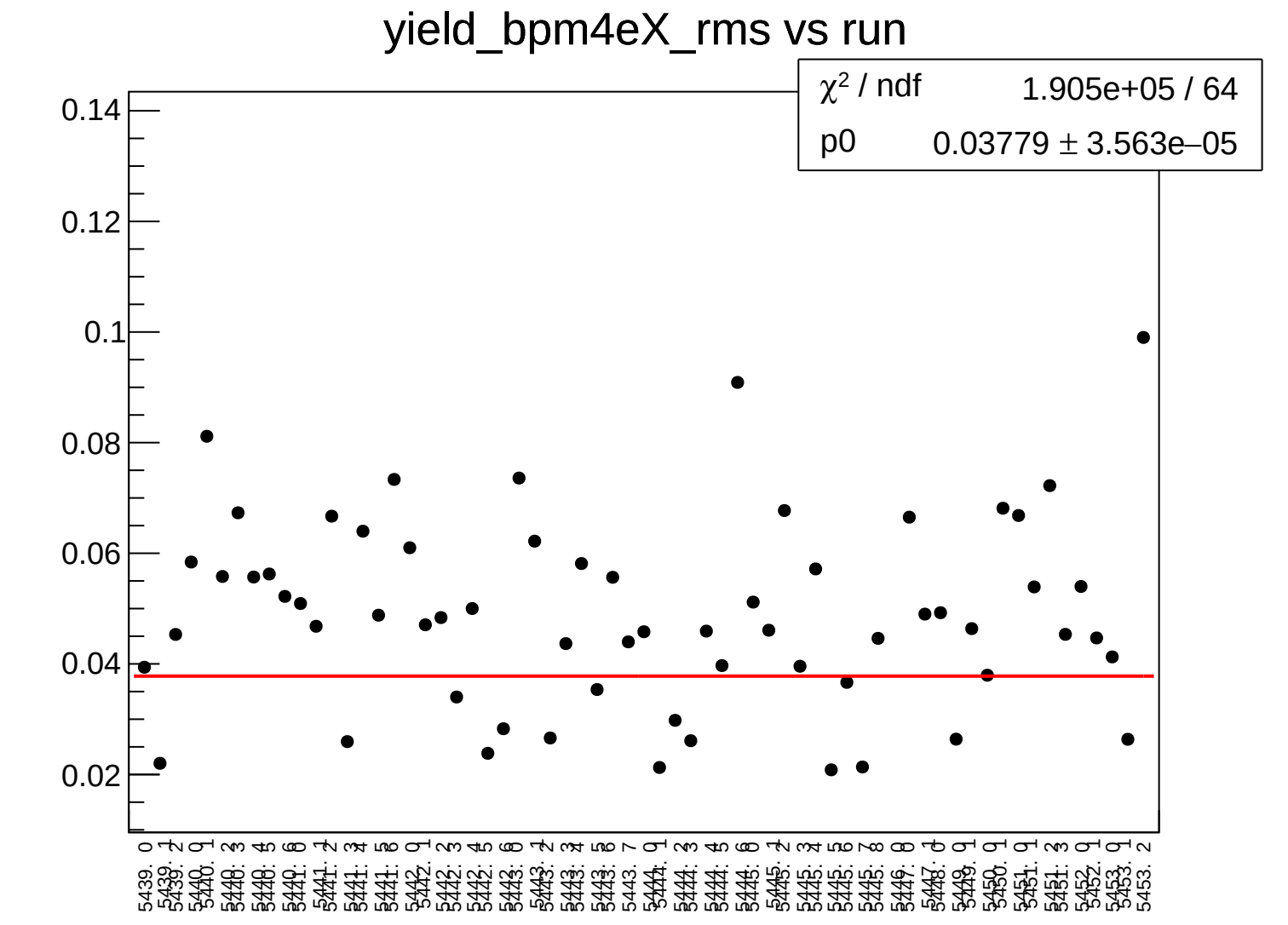

yield_bpm4aY_mean vs run
χ² / ndf 9.961e+04 / 64
p0 1.493 ± 1.971e−05
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
pull
Entries 65
Mean 15.01
Std Dev 0
100
50
0
−50
−100
−150
−200

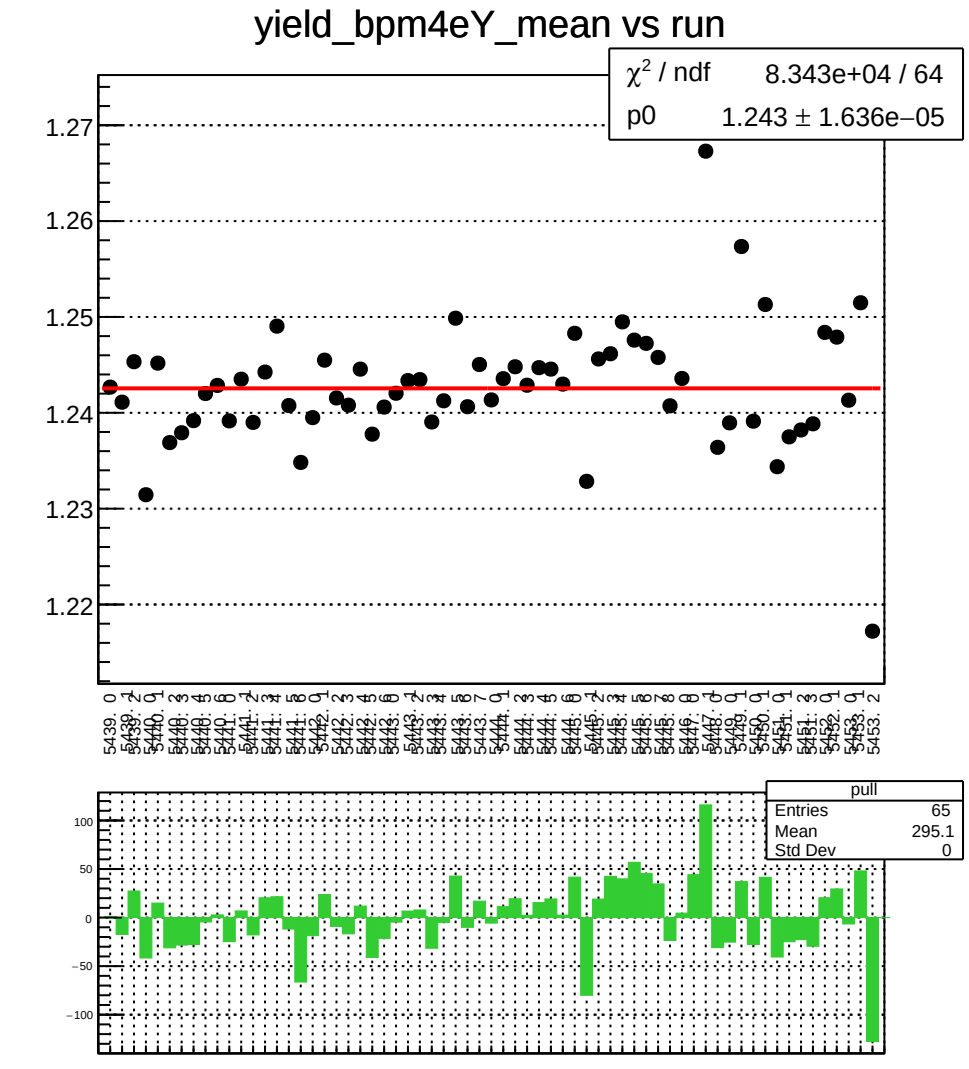

pull1D
Entries 65
Mean −0.7106
Std Dev 4.156
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

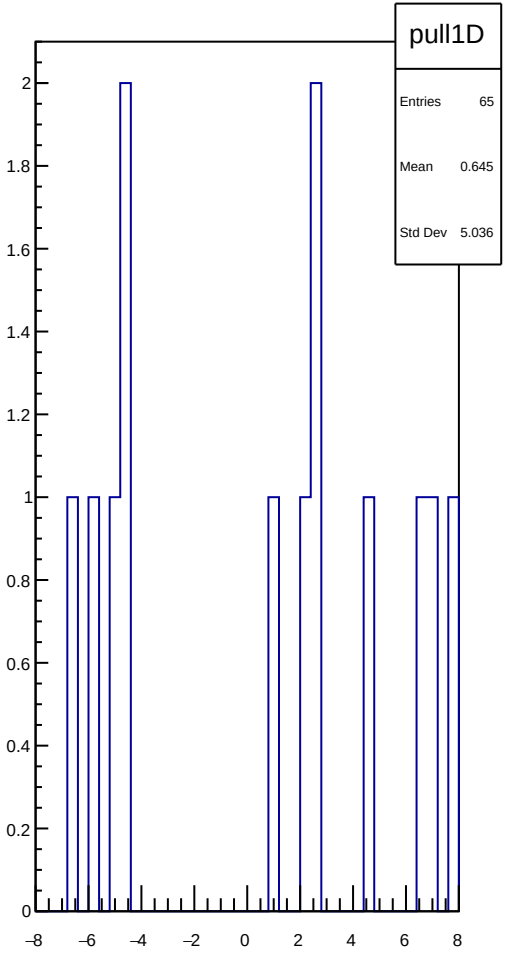

yield_bpm4aY_rms vs run
χ² / ndf 1.253e+05 / 64
p0 0.01521 ± 1.394e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

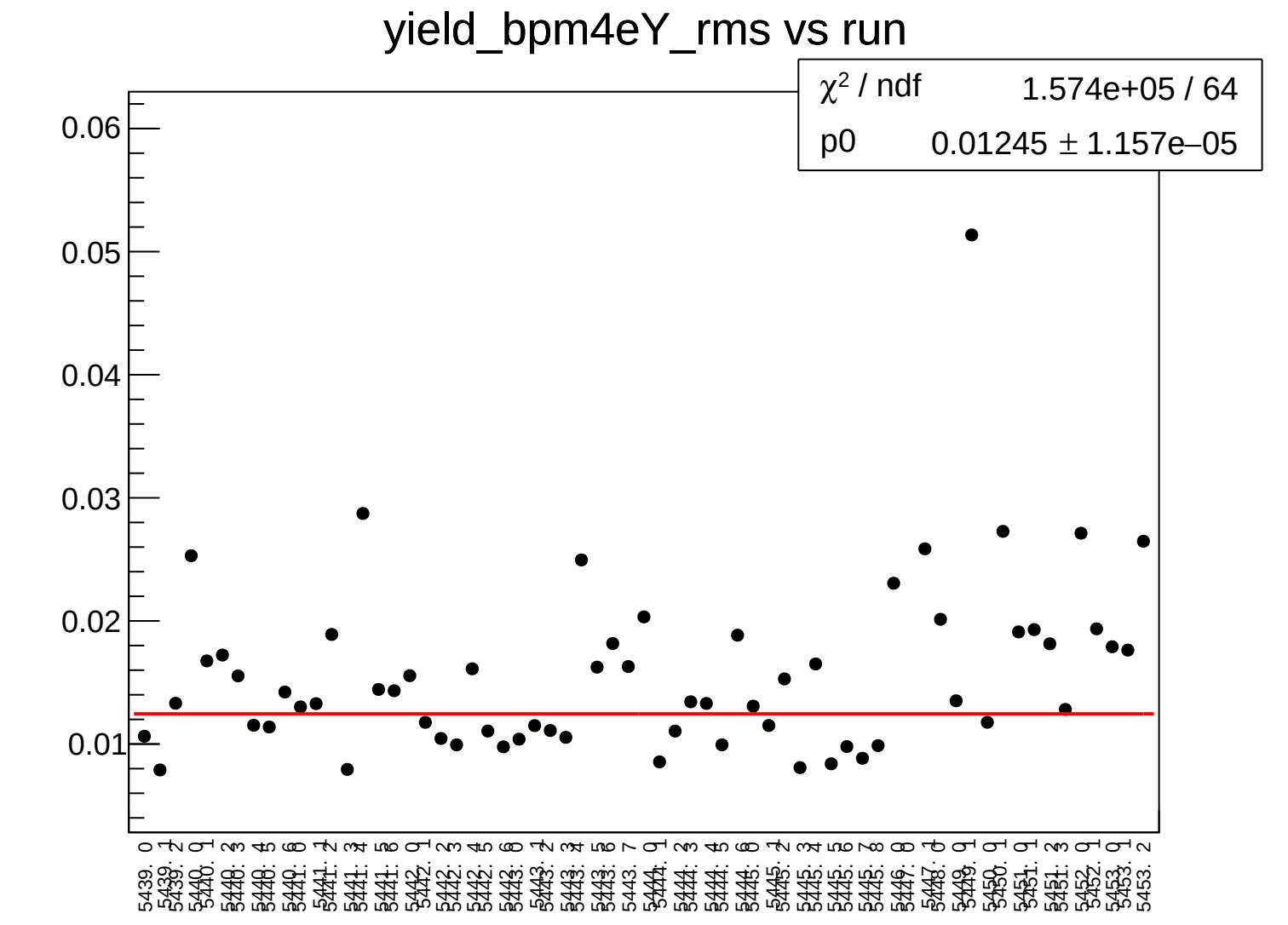

yield_bpm4eX_mean vs run
χ² / ndf 5.405e+04 / 64
p0 0.2399 ± 5.039e−05
pull
Entries 65
Mean 20.82
Std Dev 4.063

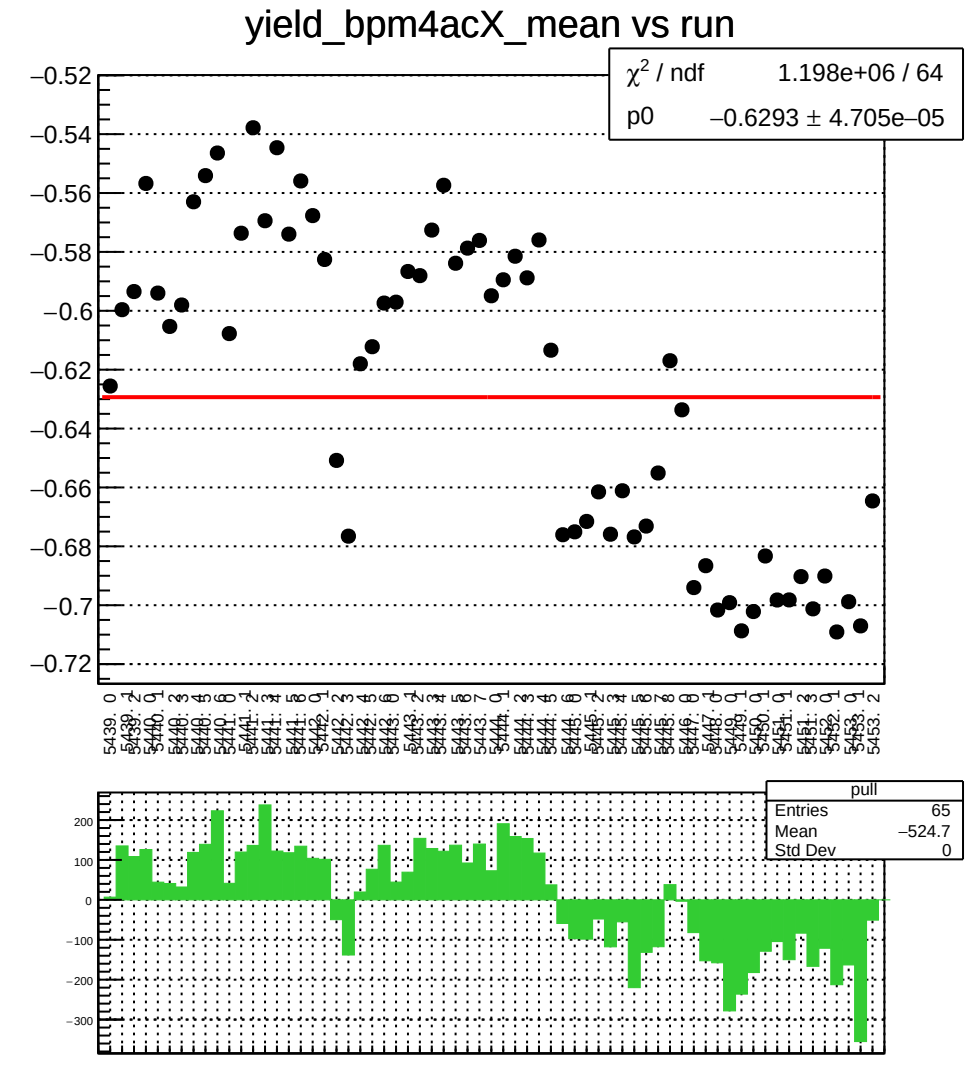

pull1D
Entries 65
Mean 0.1249
Std Dev 3.674

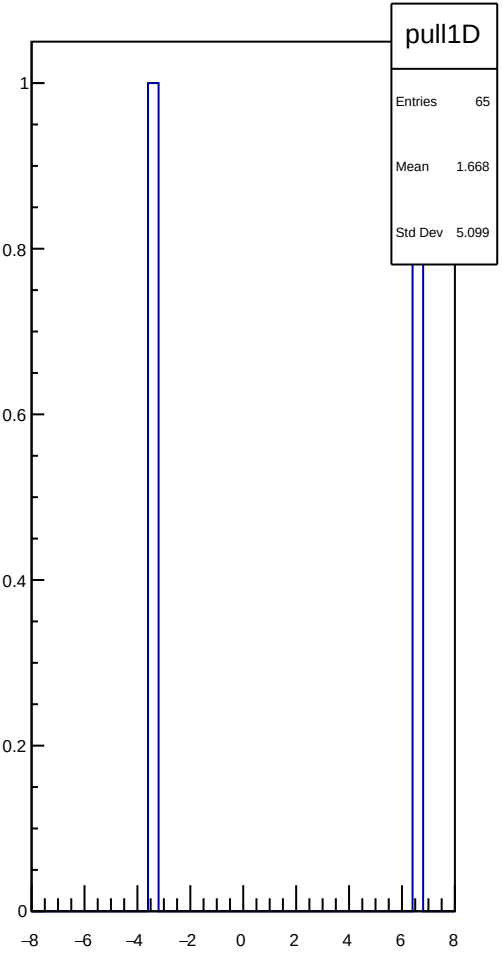

yield_bpm4eX_rms vs run
χ² / ndf 1.905e+05 / 64
p0 0.03779 ± 3.563e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

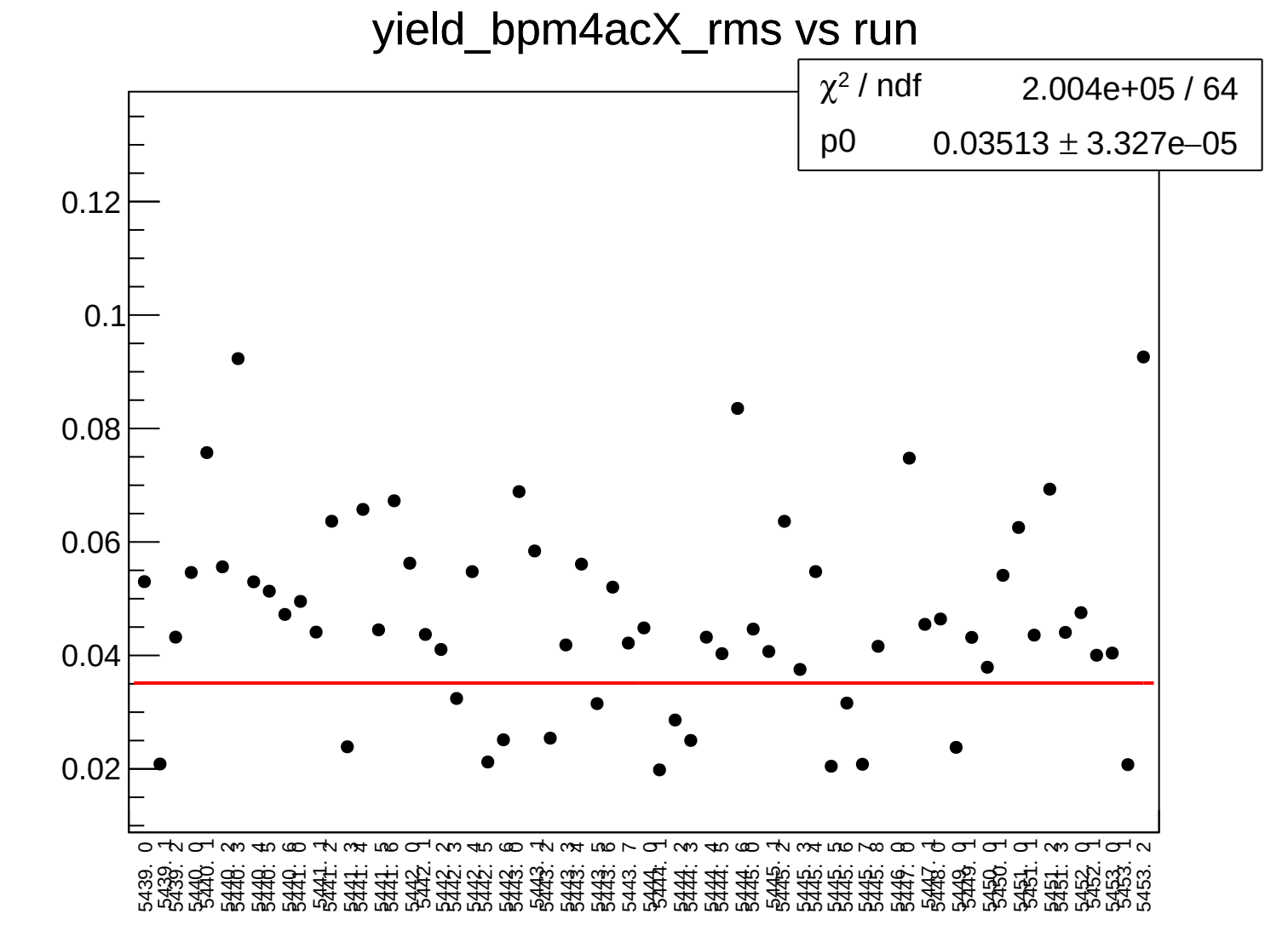

yield_bpm4eY_mean vs run
χ² / ndf 8.343e+04 / 64
p0 1.243 ± 1.636e−05
1.27
1.26
1.25
1.24
1.23
1.22
pull
Entries 65
Mean 295.1
Std Dev 0
100
50
0
−50
−100

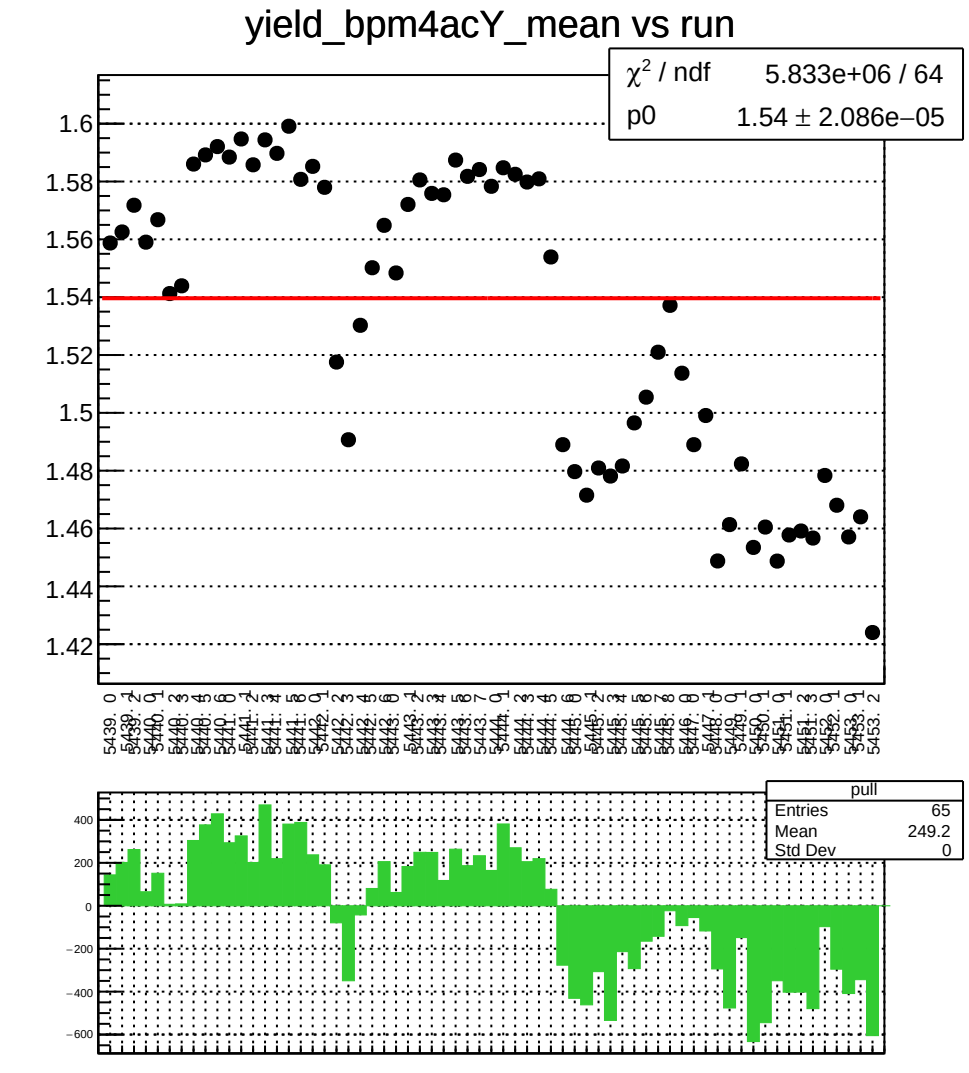

pull1D
Entries 65
Mean 0.645
Std Dev 5.036
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

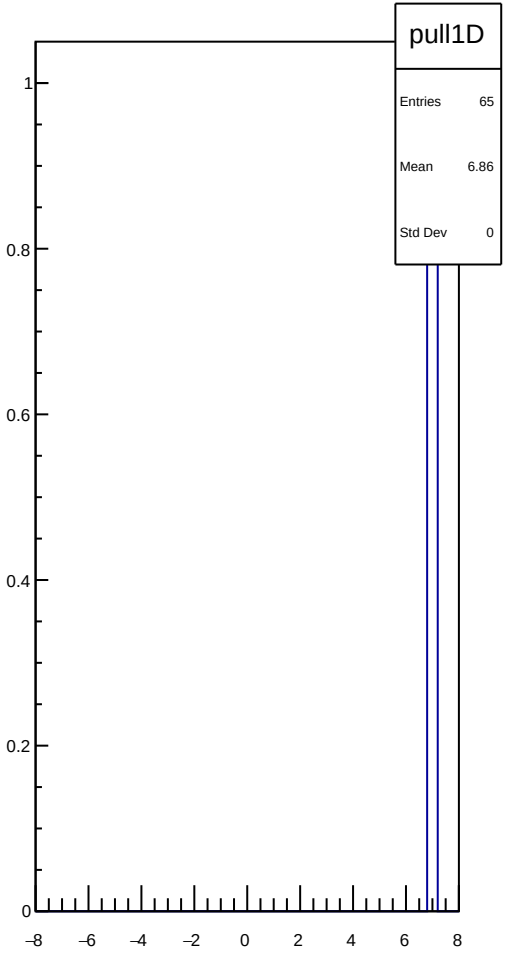

yield_bpm4eY_rms vs run
χ² / ndf 1.574e+05 / 64
p0 0.01245 ± 1.157e–05
0.06
0.05
0.04
0.03
0.02
0.01

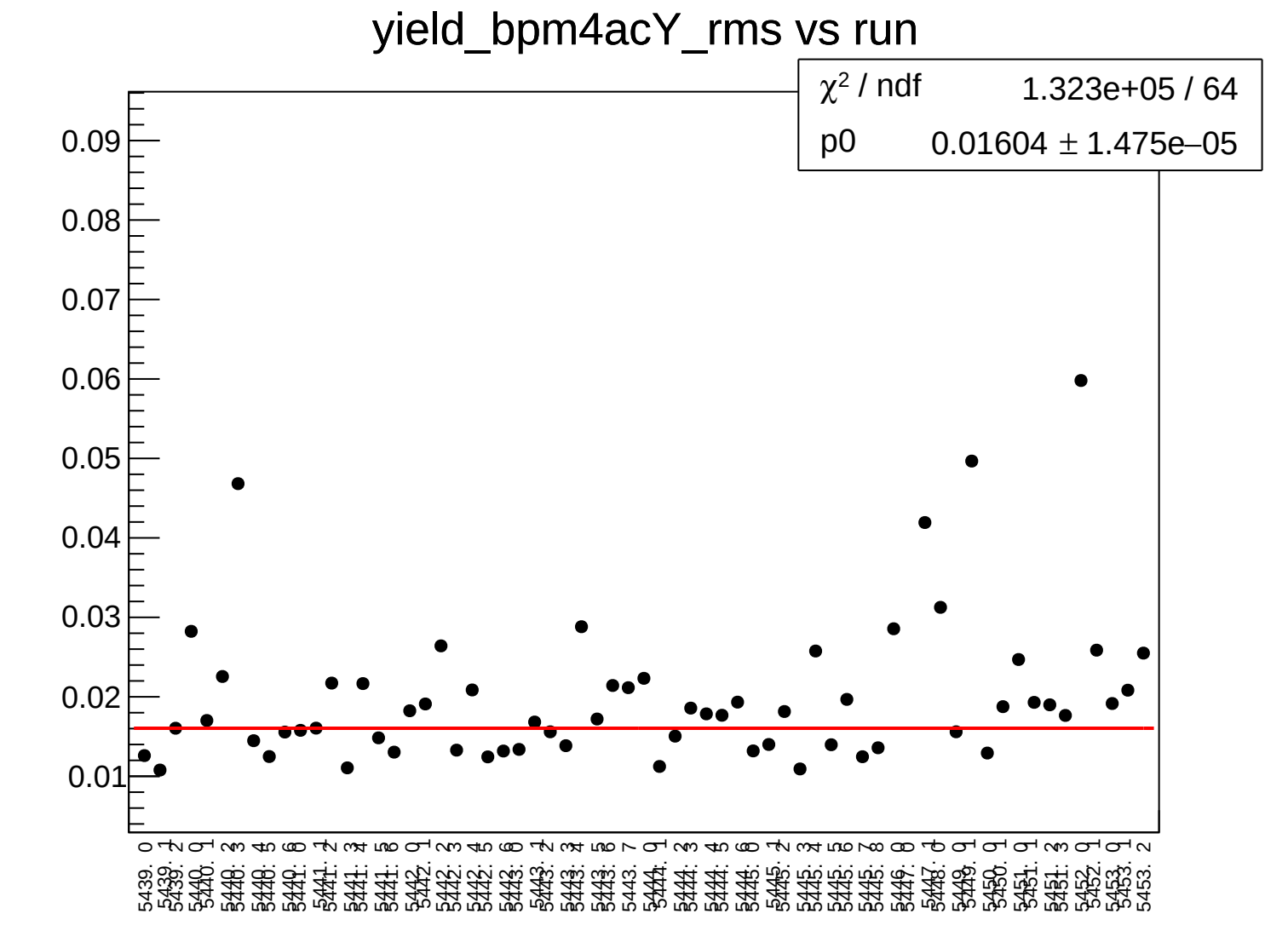

yield_bpm4acX_mean vs run
χ² / ndf 1.198e+06 / 64
p0 −0.6293 ± 4.705e−05
pull
Entries 65
Mean −524.7
Std Dev 0

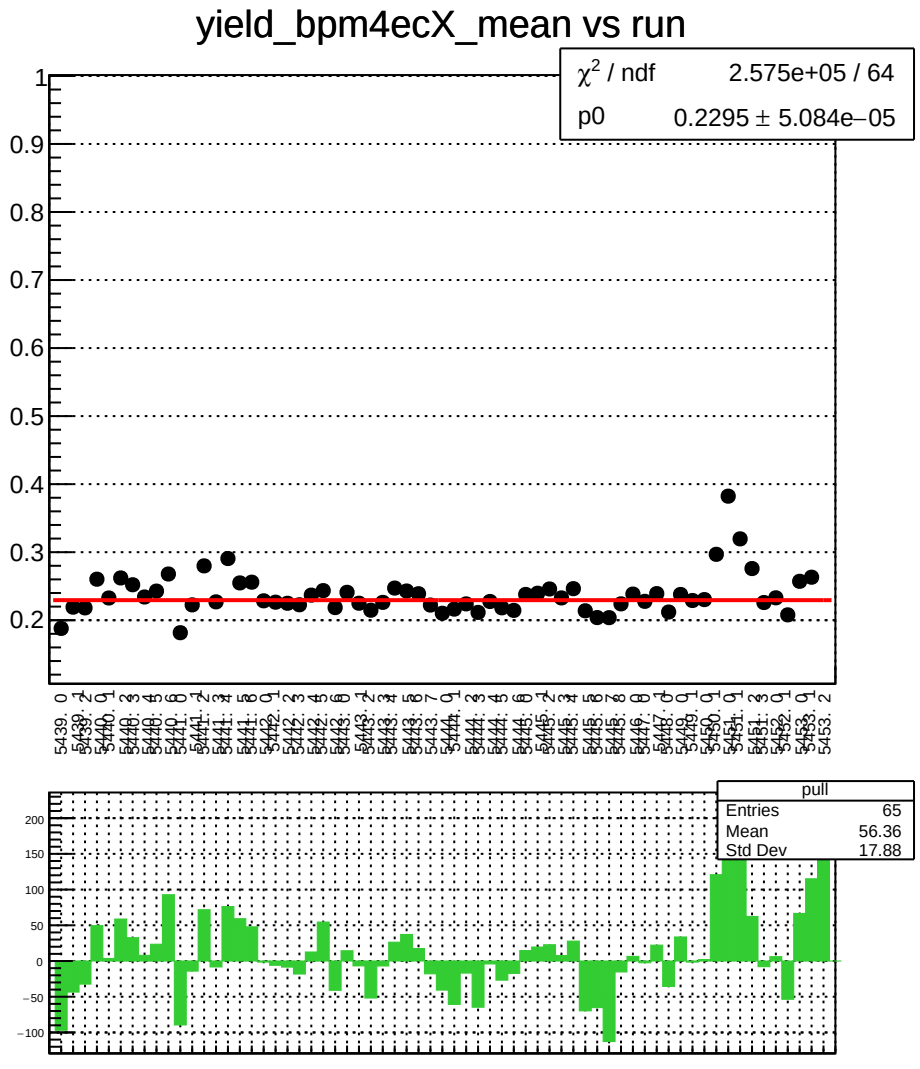

pull1D
Entries 65
Mean 1.668
Std Dev 5.099

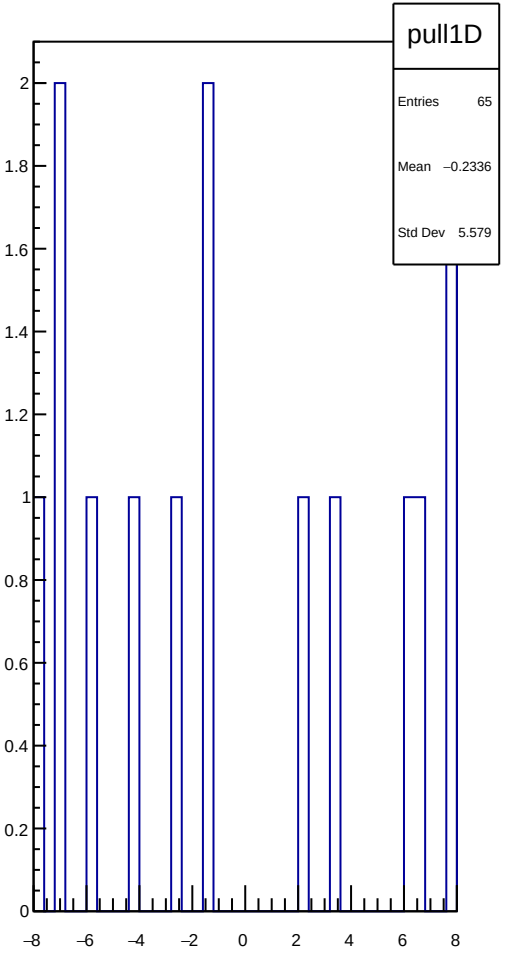

yield_bpm4acX_rms vs run
χ² / ndf 2.004e+05 / 64
p0 0.03513 ± 3.327e−05
0.12
0.1
0.08
0.06
0.04
0.02

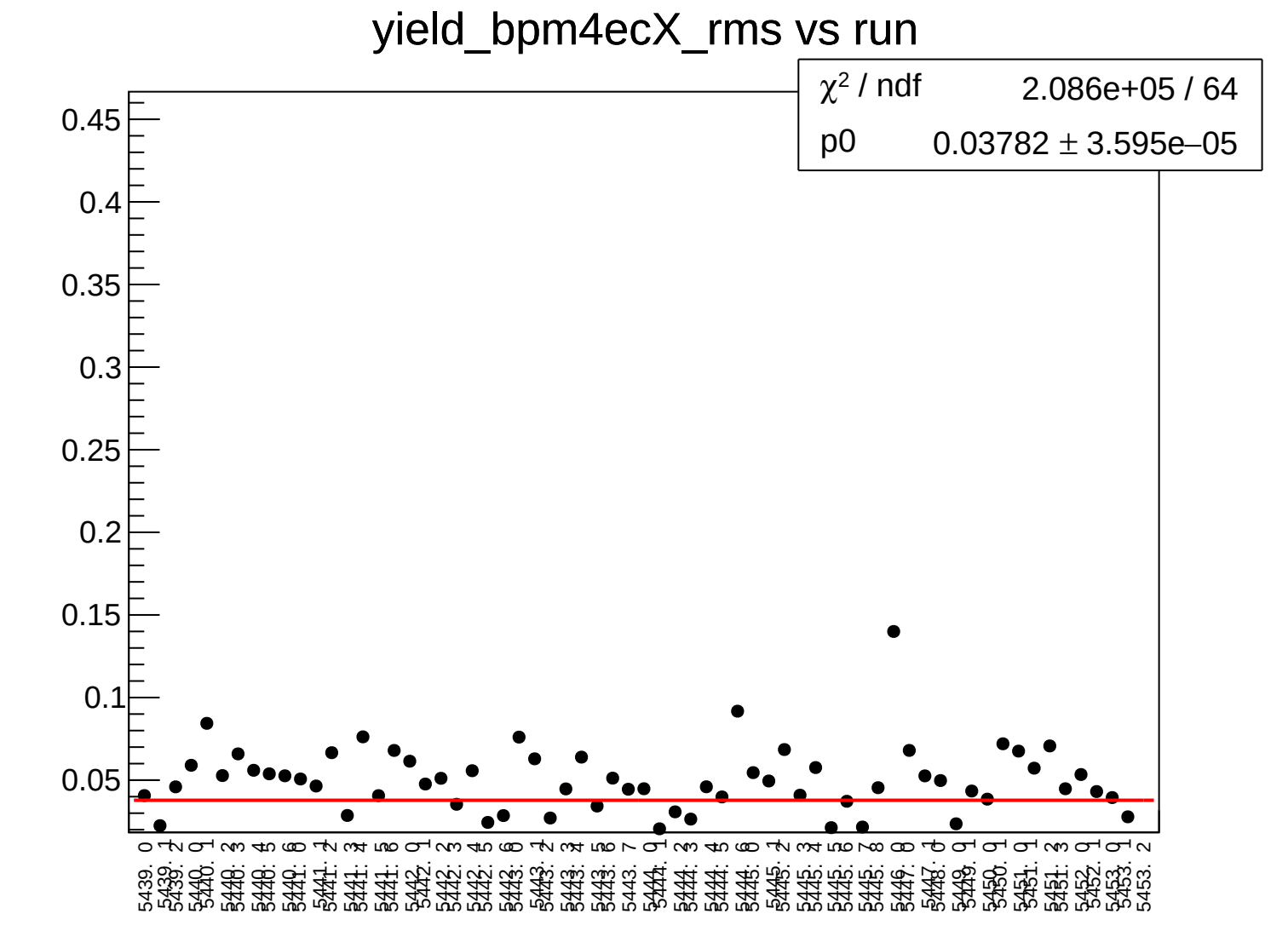

yield_bpm4acY_mean vs run
χ² / ndf 5.833e+06 / 64
p0 1.54 ± 2.086e−05
pull
Entries 65
Mean 249.2
Std Dev 0

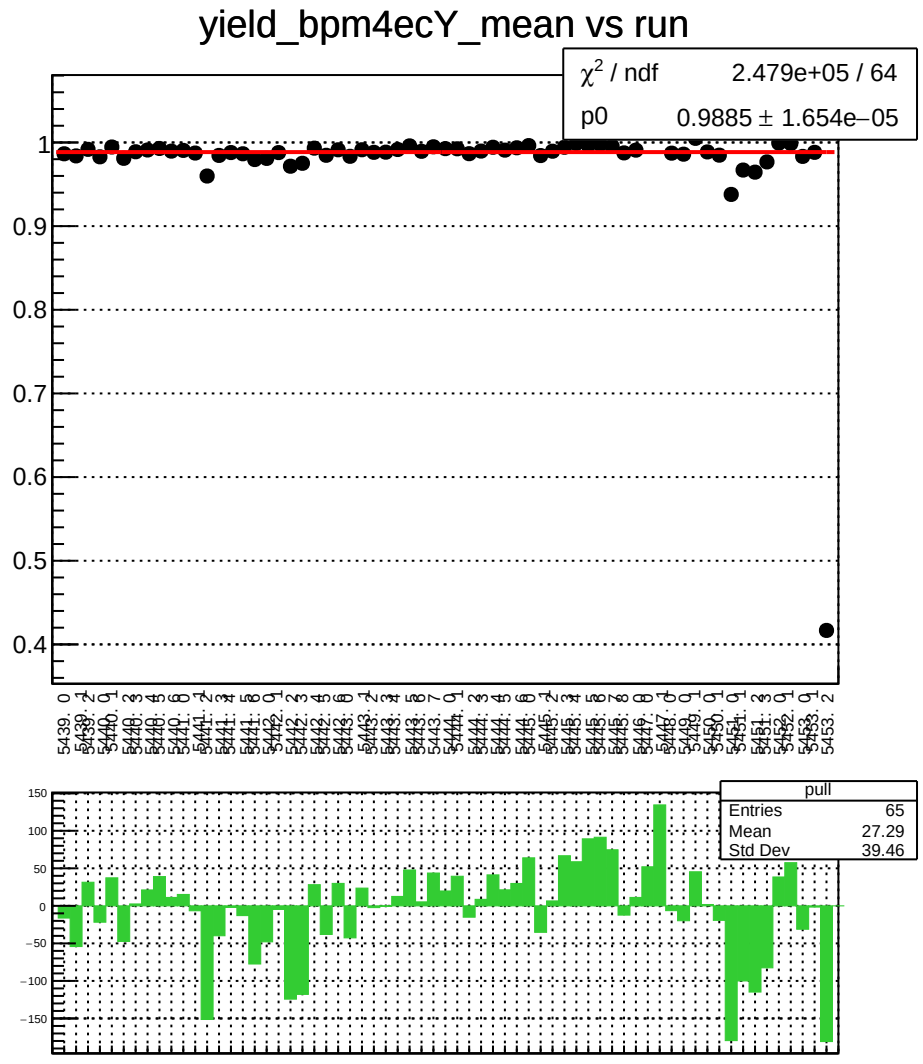

pull1D
Entries 65
Mean 6.86
Std Dev 0

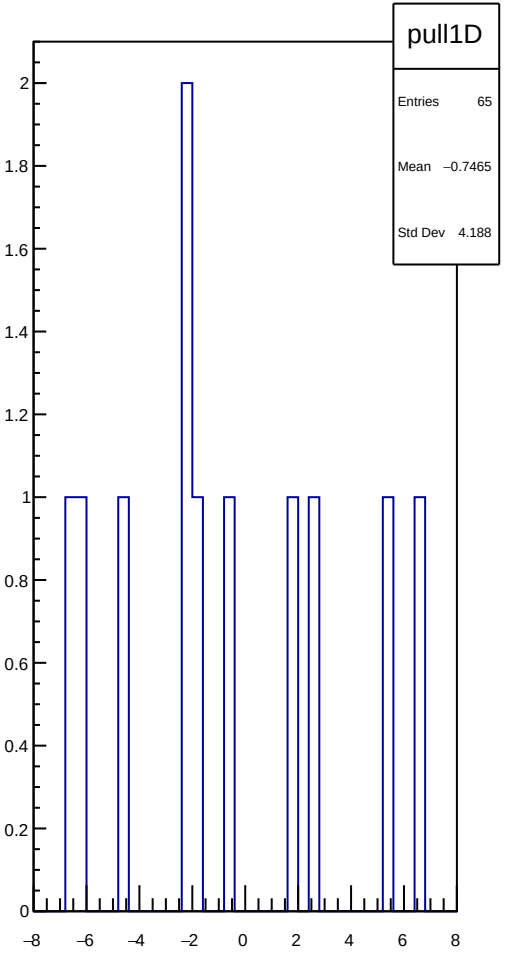

yield_bpm4acY_rms vs run
χ² / ndf 1.323e+05 / 64
p0 0.01604 ± 1.475e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

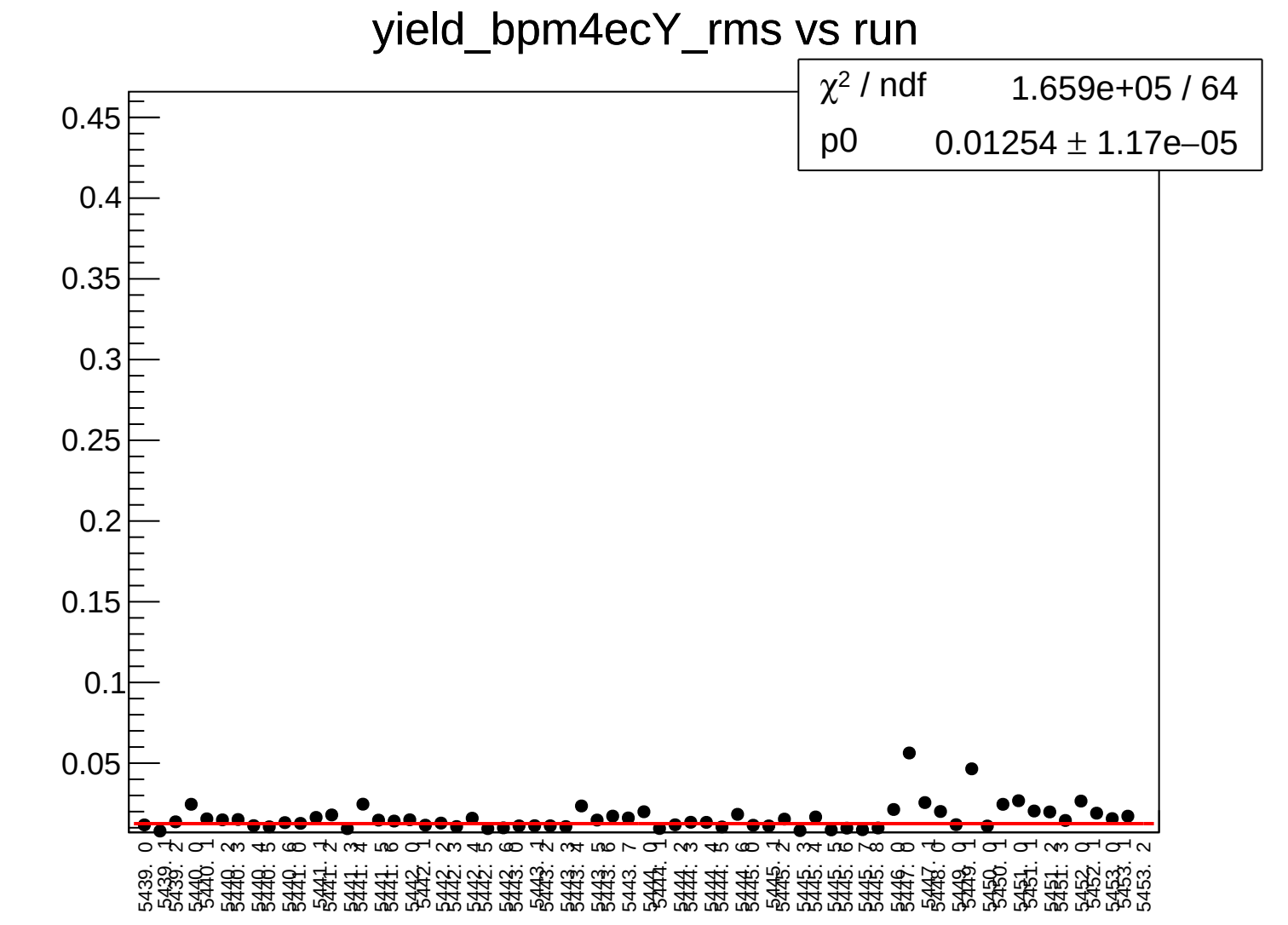

yield_bpm4ecX_mean vs run
χ² / ndf 2.575e+05 / 64
p0 0.2295 ± 5.084e−05
pull
Entries 65
Mean 56.36
Std Dev 17.88

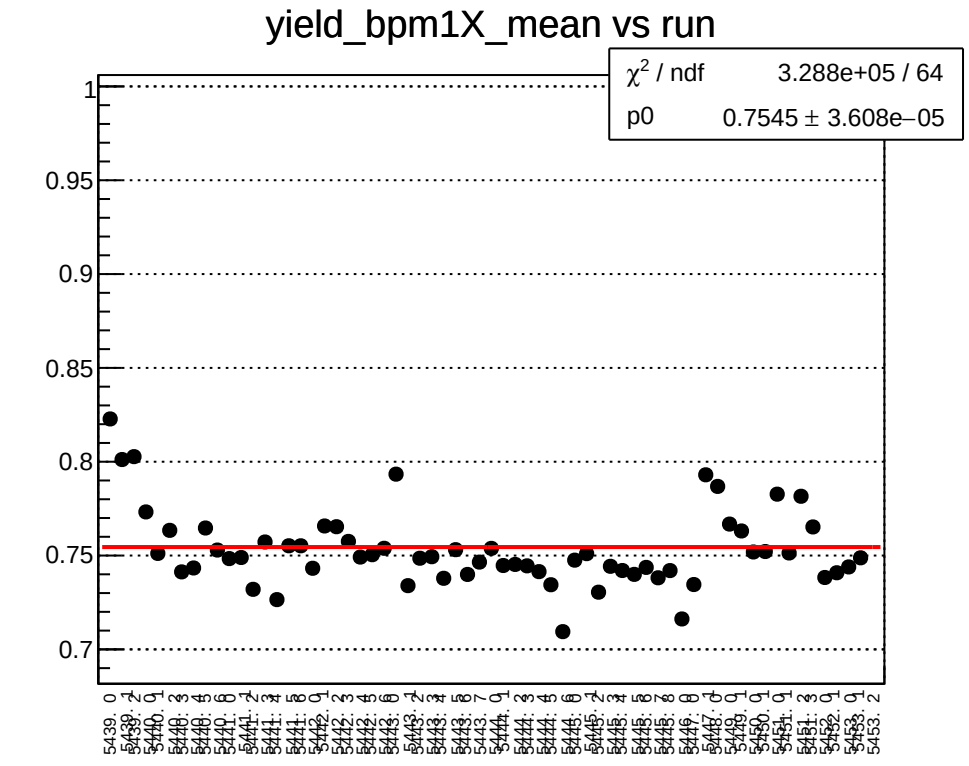

pull1D
Entries 65
Mean −0.2336
Std Dev 5.579

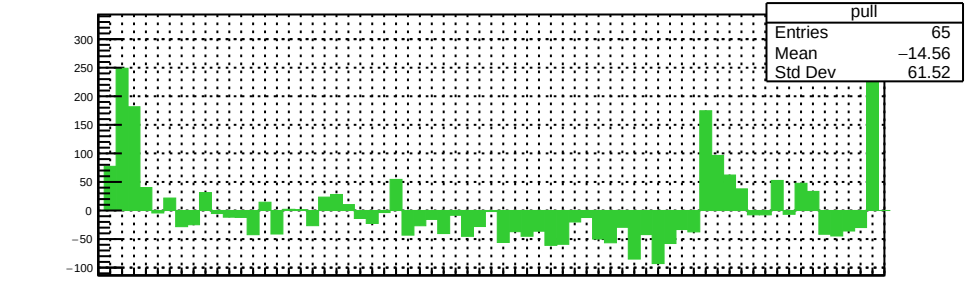

yield_bpm4ecX_rms vs run
χ² / ndf 2.086e+05 / 64
p0 0.03782 ± 3.595e–05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

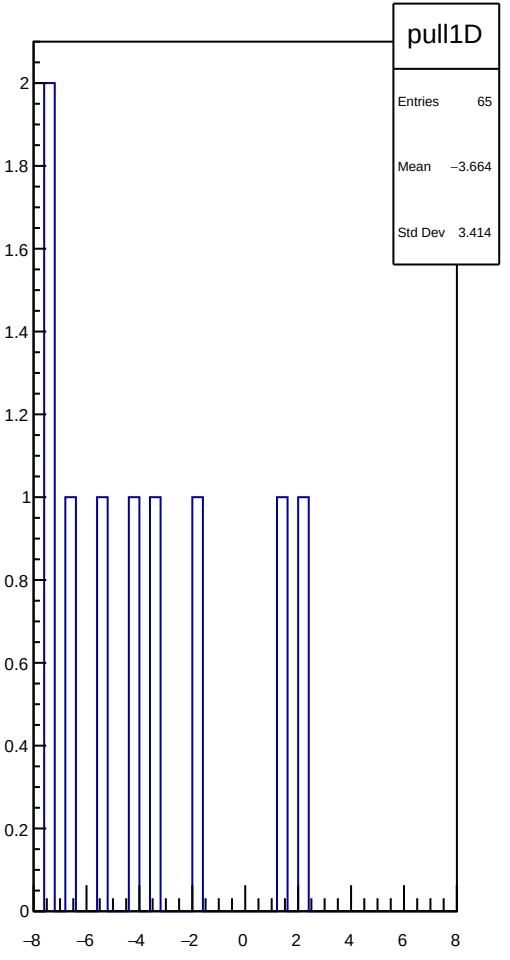

yield_bpm4ecY_mean vs run
χ² / ndf 2.479e+05 / 64
p0 0.9885 ± 1.654e−05
pull
Entries 65
Mean 27.29
Std Dev 39.46

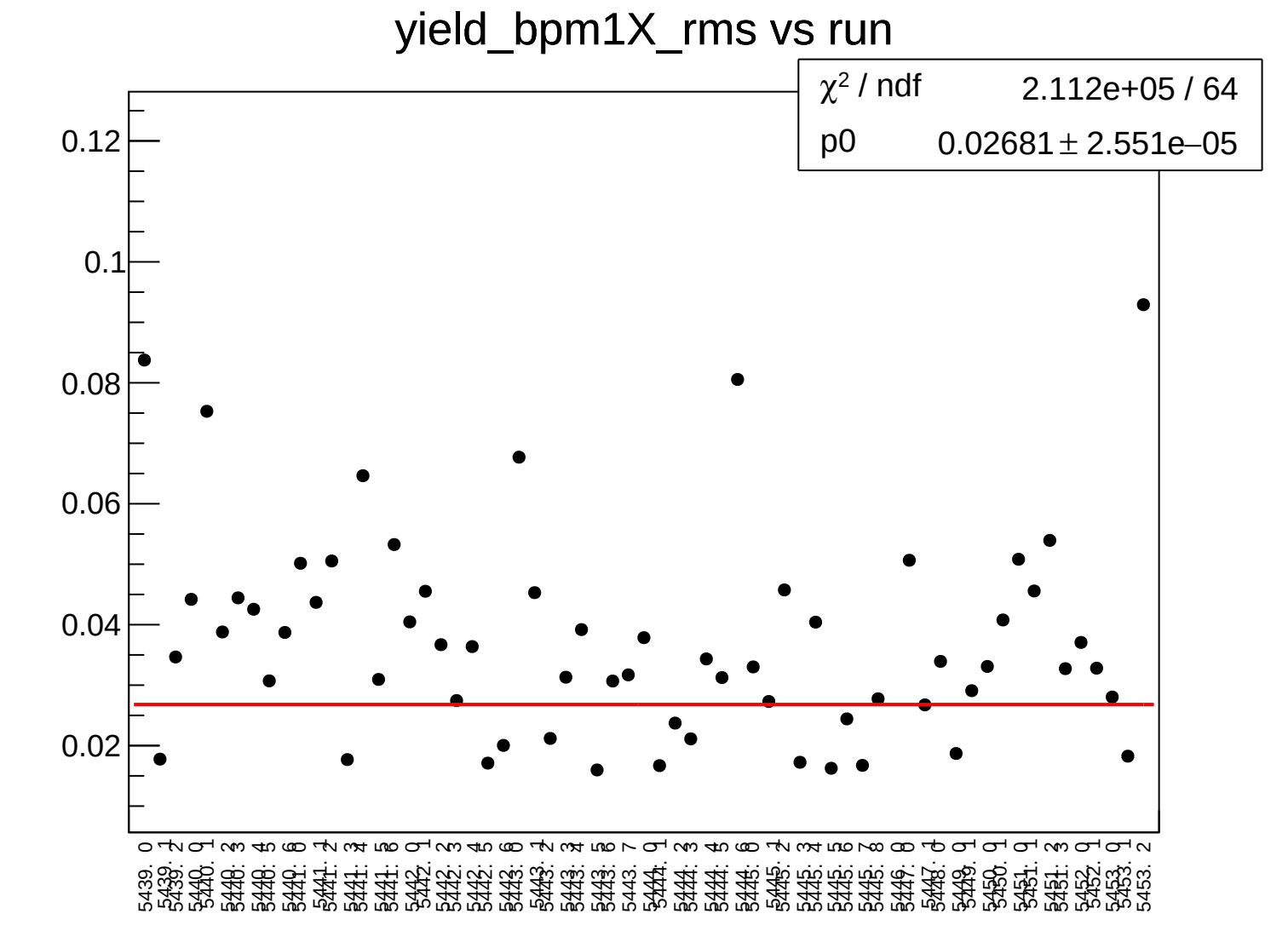

pull1D
Entries 65
Mean −0.7465
Std Dev 4.188

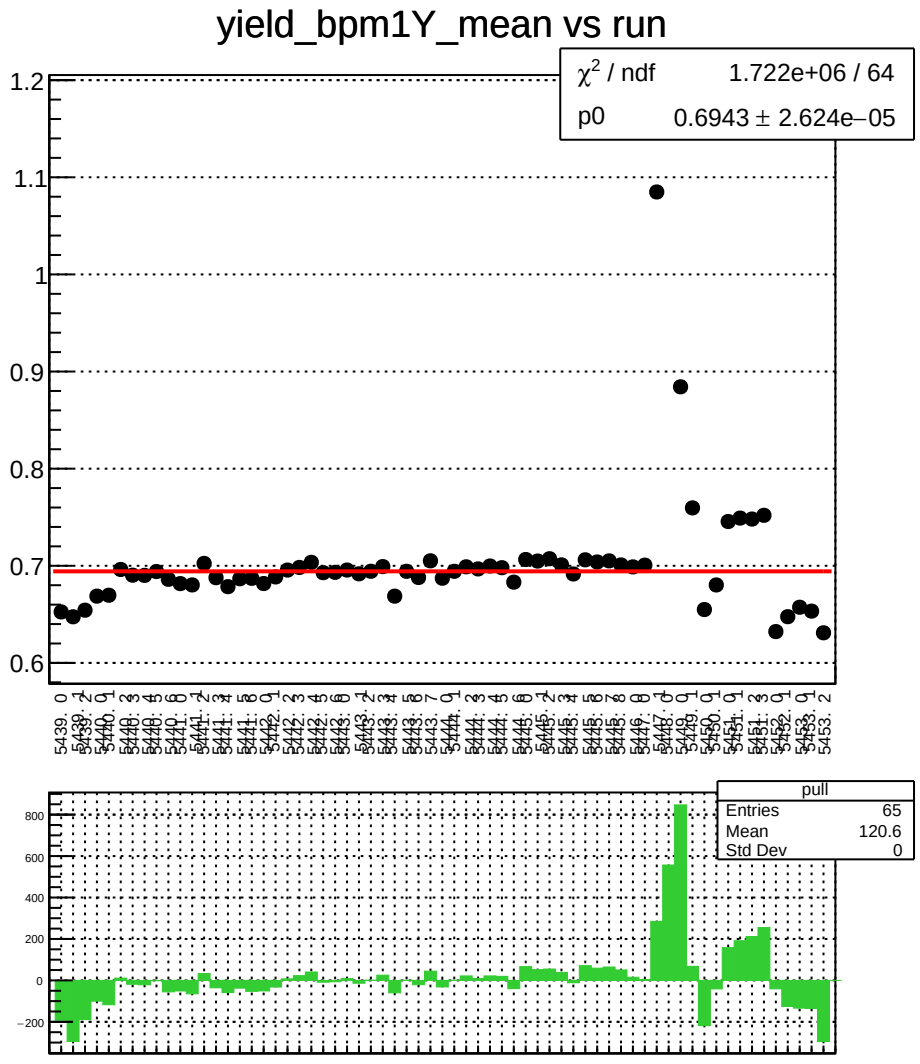

yield_bpm4ecY_rms vs run
χ² / ndf 1.659e+05 / 64
p0 0.01254 ± 1.17e−05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

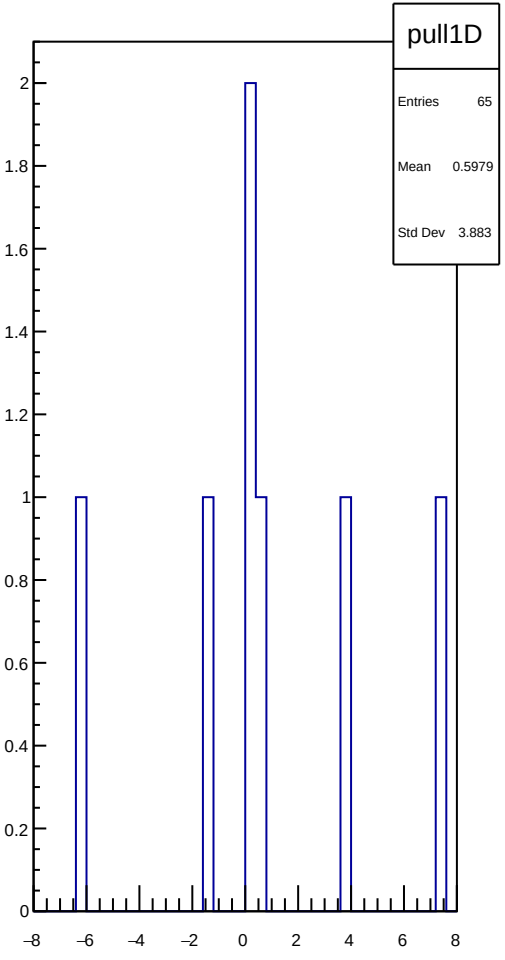

yield_bpm1X_mean vs run
χ² / ndf 3.288e+05 / 64
p0 0.7545 ± 3.608e−05
1
0.95
0.9
0.85
0.8
0.75
0.7

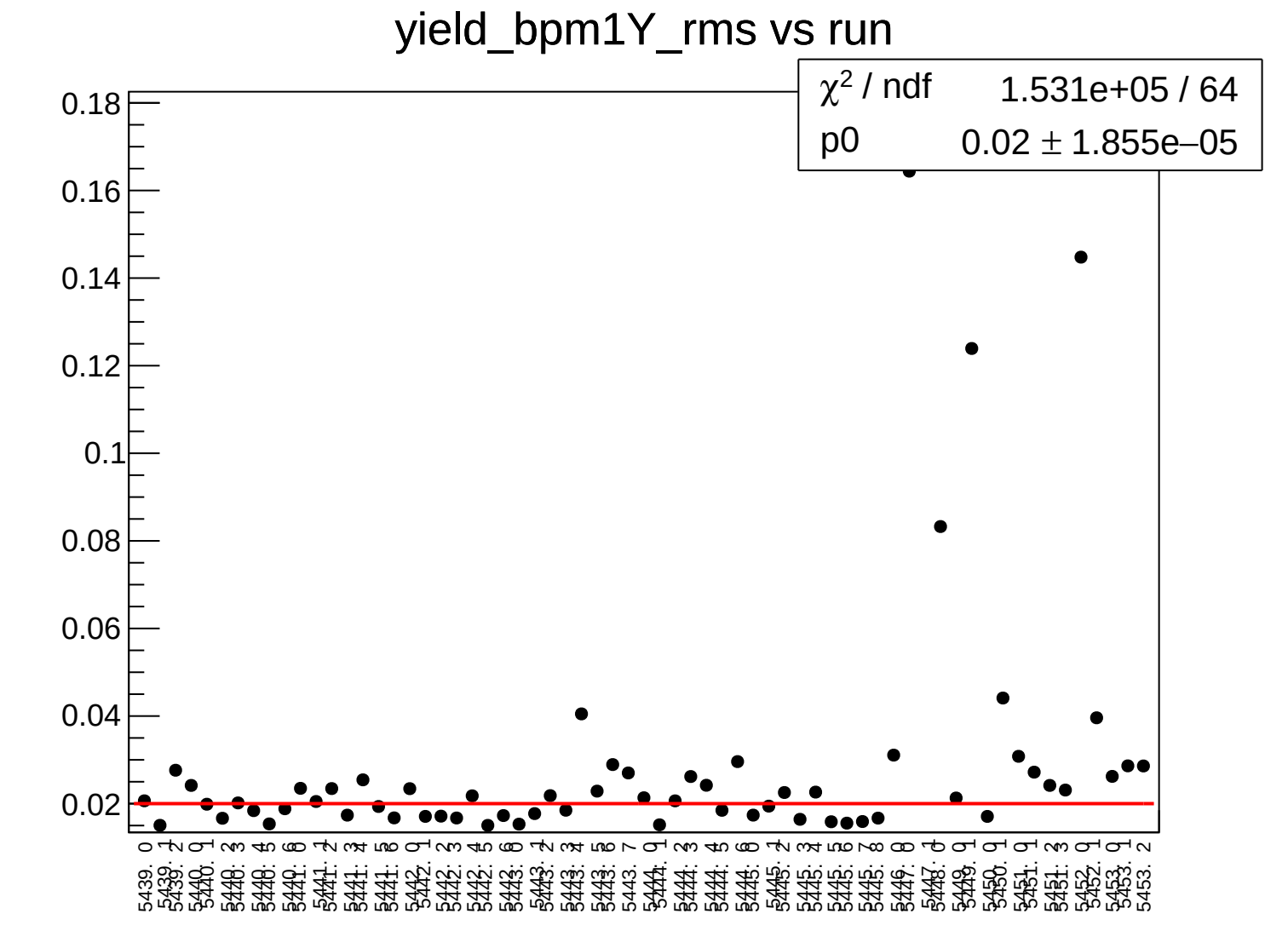

pull
Entries 65
Mean −14.56
Std Dev 61.52
300
250
200
150
100
50
0
−50
−100

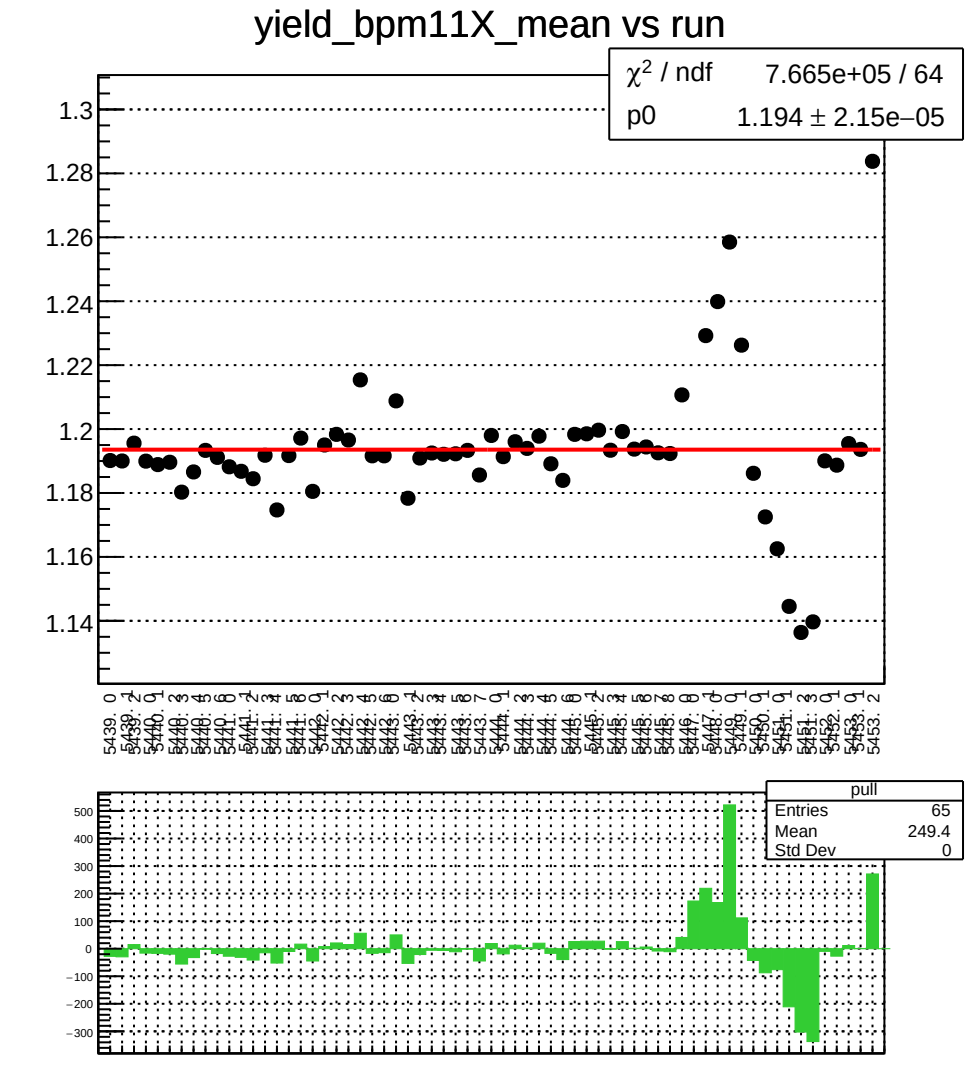

pull1D
Entries 65
Mean −3.664
Std Dev 3.414
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

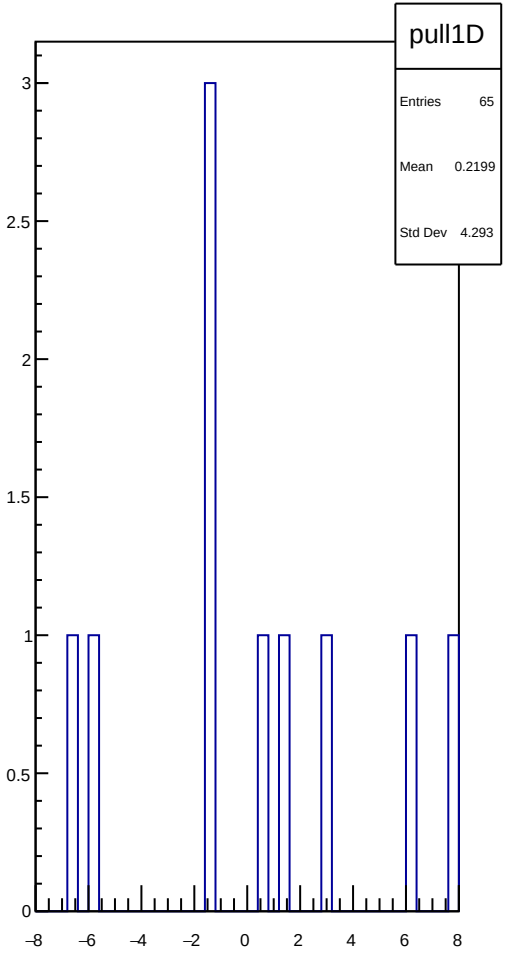

yield_bpm1X_rms vs run
χ² / ndf 2.112e+05 / 64
p0 0.02681 ± 2.551e–05
0.12
0.1
0.08
0.06
0.04
0.02

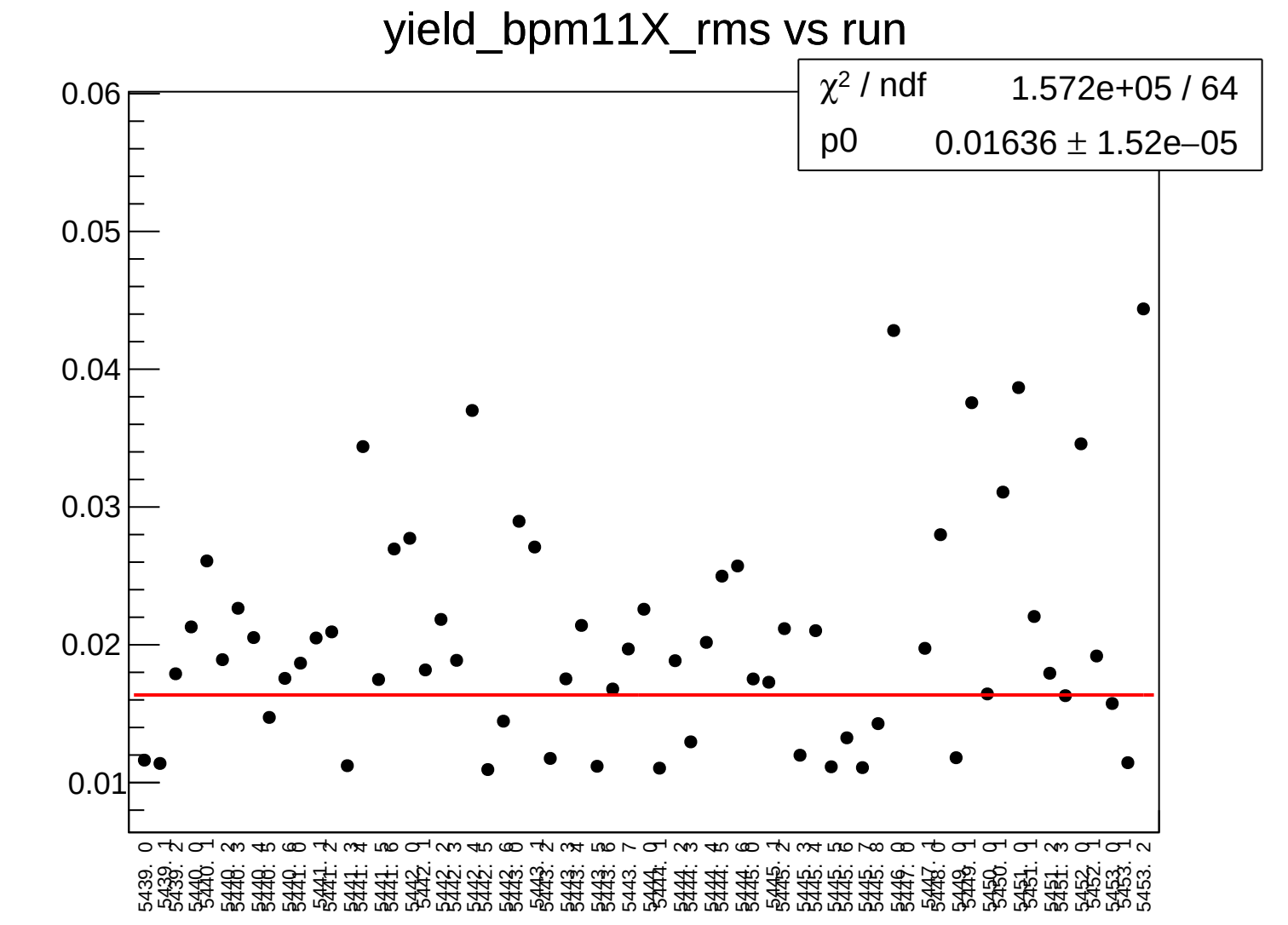

yield_bpm1Y_mean vs run
χ² / ndf 1.722e+06 / 64
p0 0.6943 ± 2.624e−05
pull
Entries 65
Mean 120.6
Std Dev 0

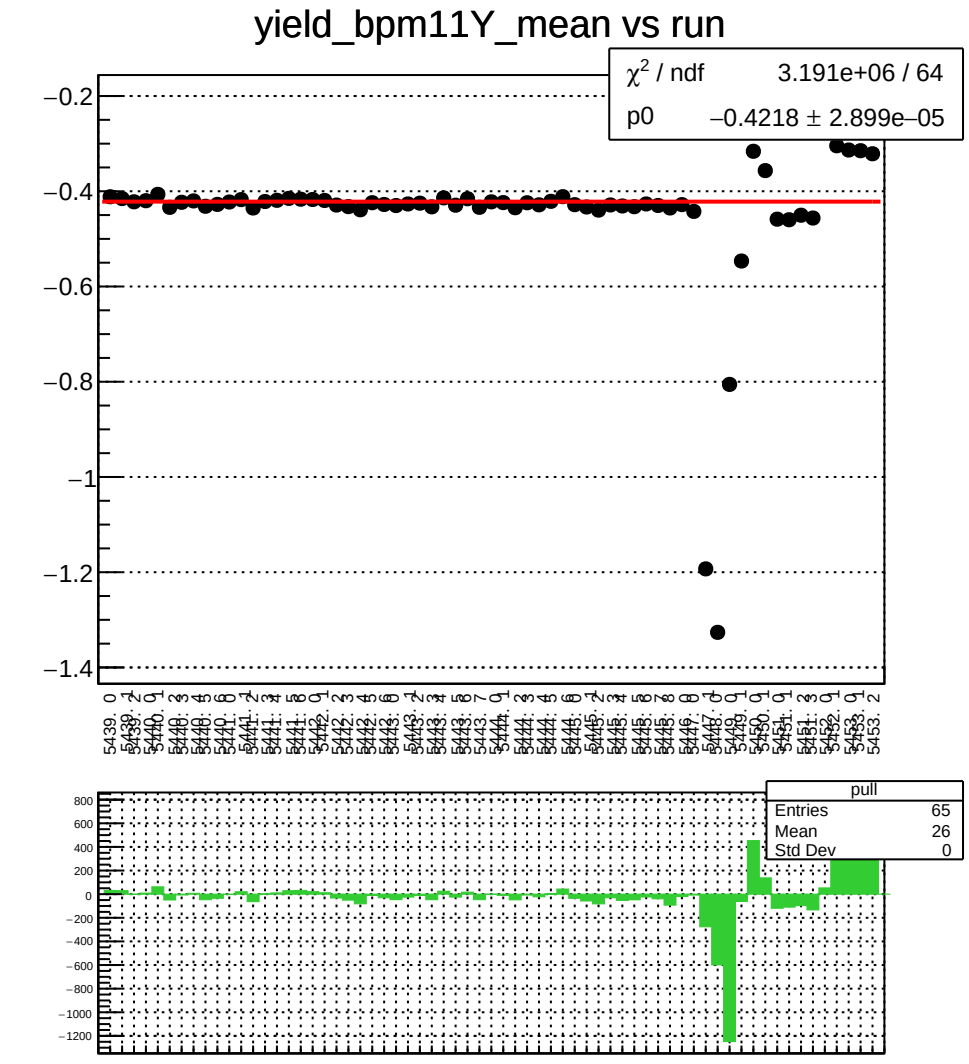

pull1D
Entries 65
Mean 0.5979
Std Dev 3.883

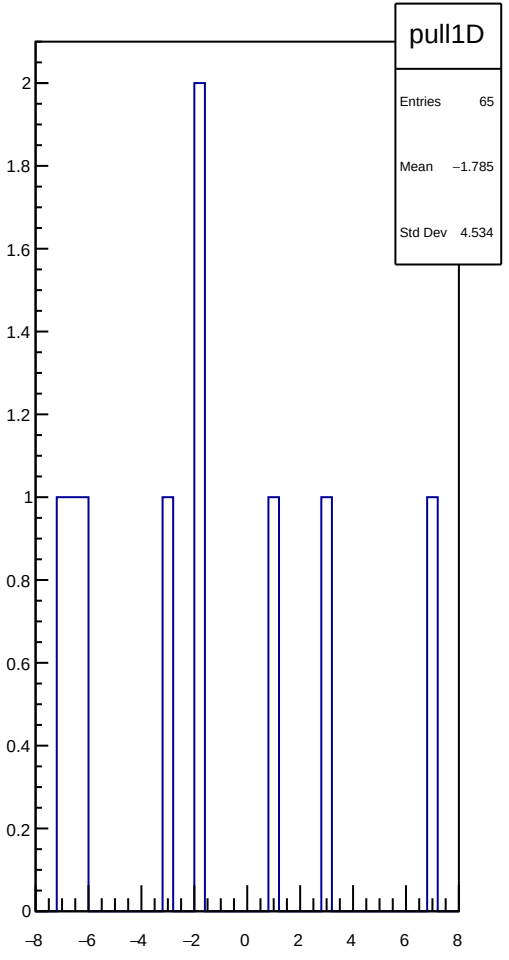

yield_bpm1Y_rms vs run
χ² / ndf 1.531e+05 / 64
p0 0.02 ± 1.855e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

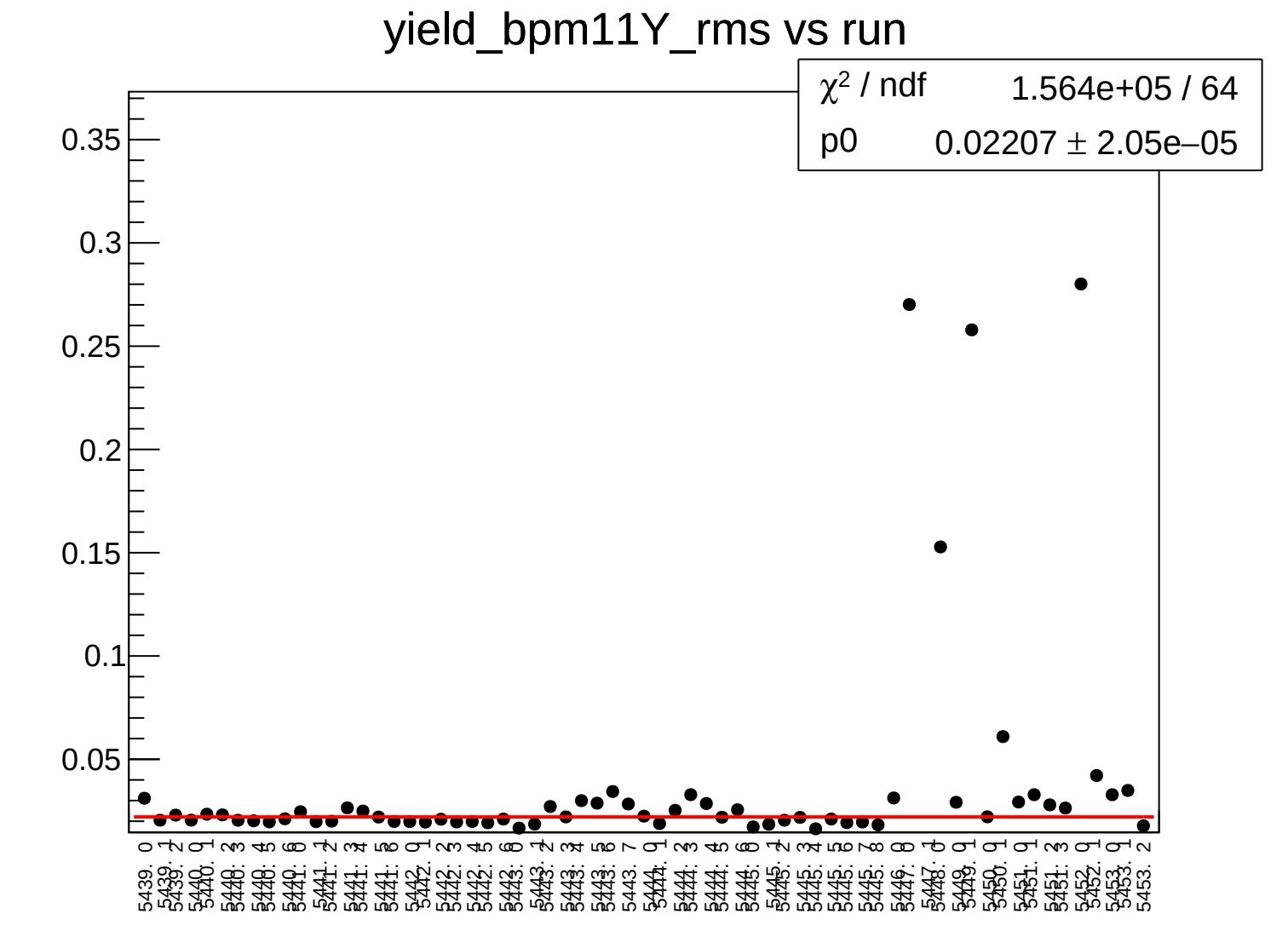

yield_bpm11X_mean vs run
χ² / ndf 7.665e+05 / 64
p0 1.194 ± 2.15e−05
pull
Entries 65
Mean 249.4
Std Dev 0

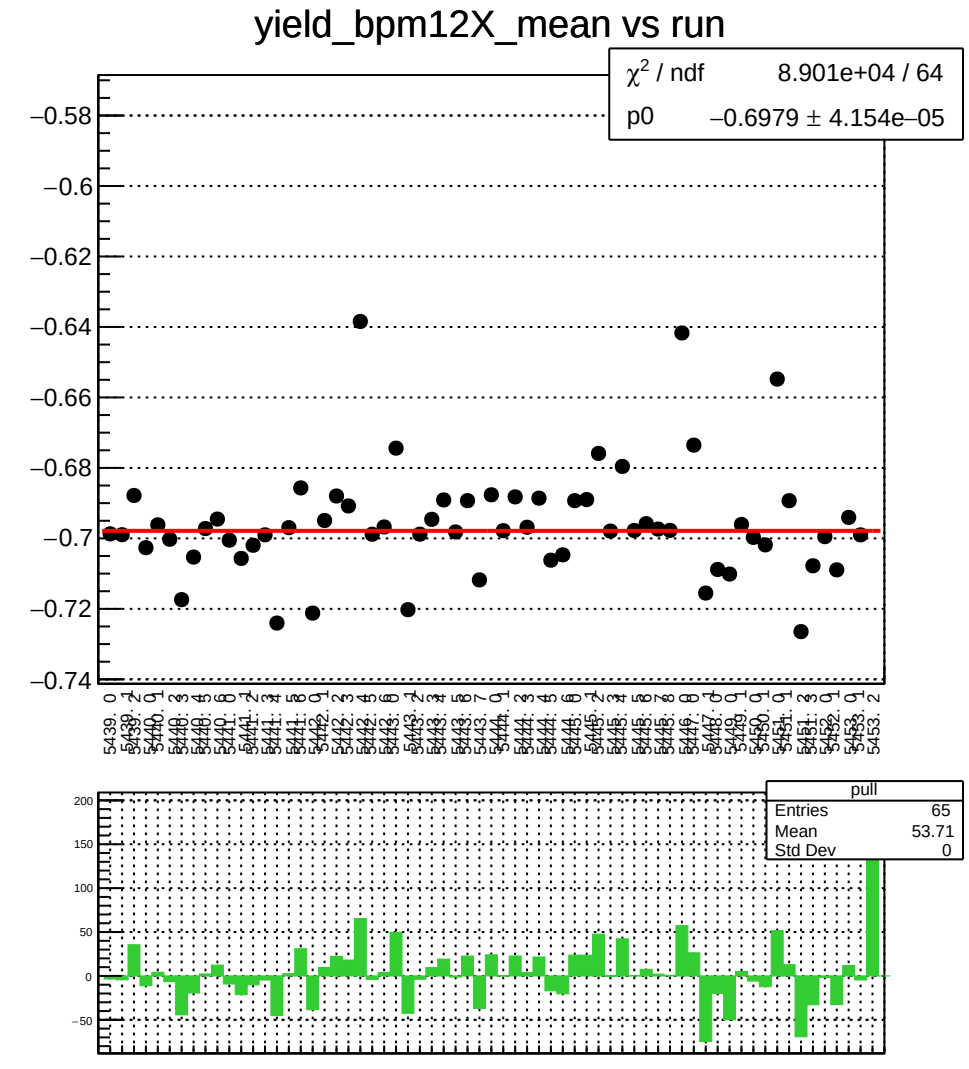

pull1D
Entries 65
Mean 0.2199
Std Dev 4.293

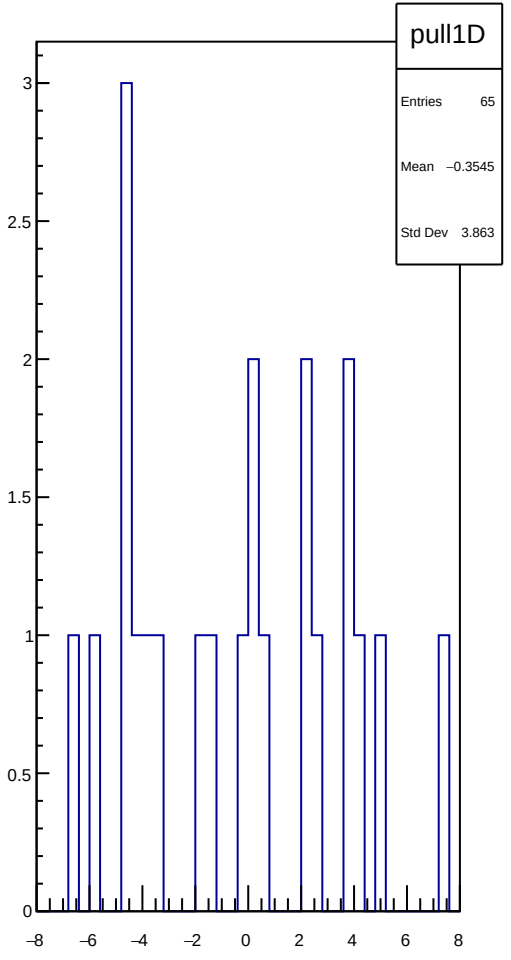

yield_bpm11X_rms vs run
χ² / ndf 1.572e+05 / 64
p0 0.01636 ± 1.52e−05
0.06
0.05
0.04
0.03
0.02
0.01

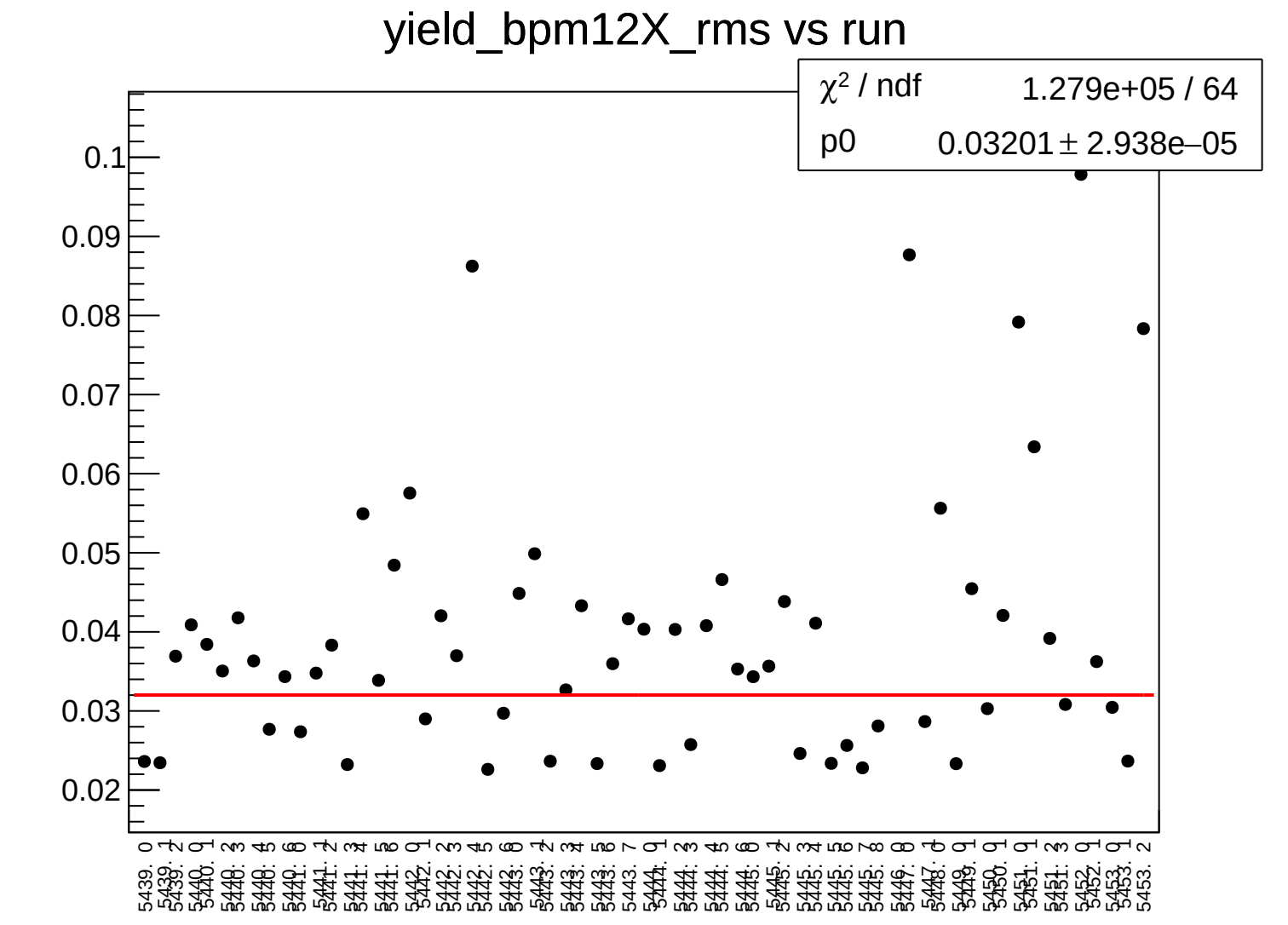

yield_bpm11Y_mean vs run
χ² / ndf 3.191e+06 / 64
p0 −0.4218 ± 2.899e−05
pull
Entries 65
Mean 26
Std Dev 0

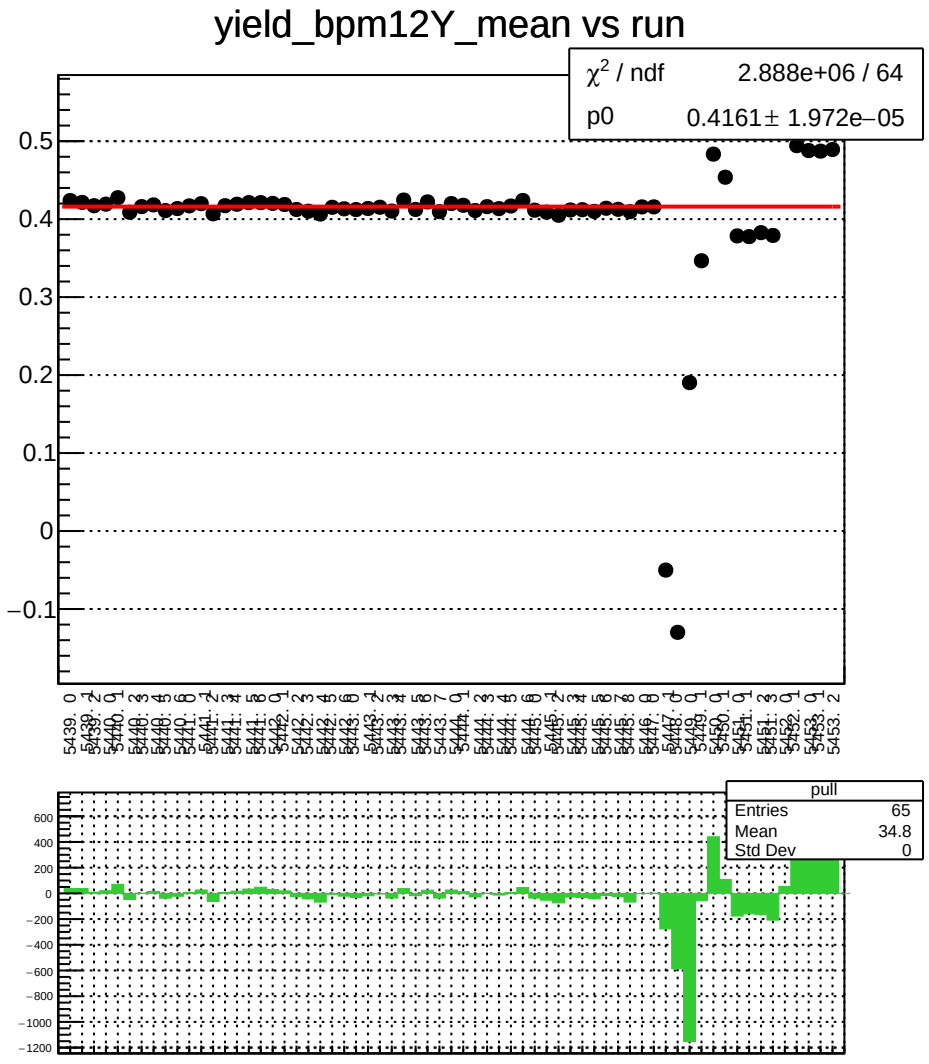

pull1D
Entries 65
Mean −1.785
Std Dev 4.534

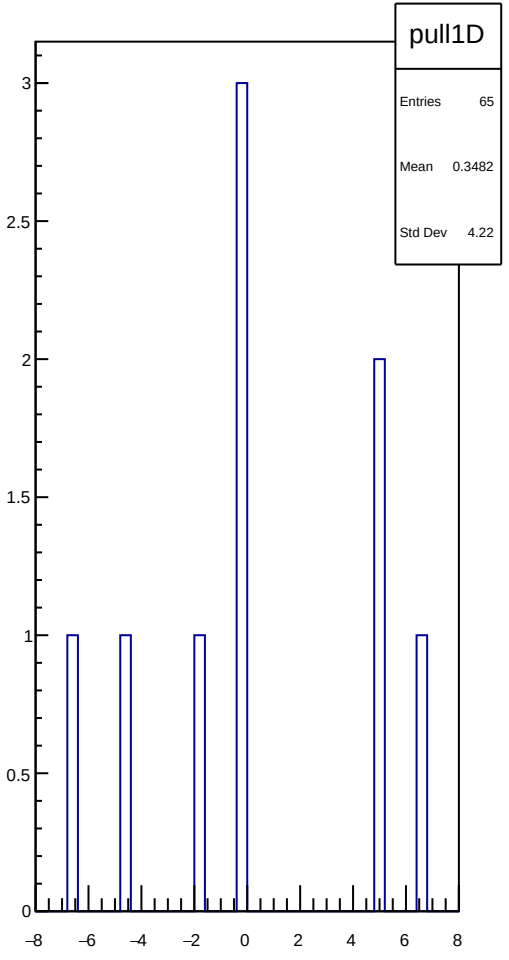

yield_bpm11Y_rms vs run
χ² / ndf 1.564e+05 / 64
p0 0.02207 ± 2.05e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

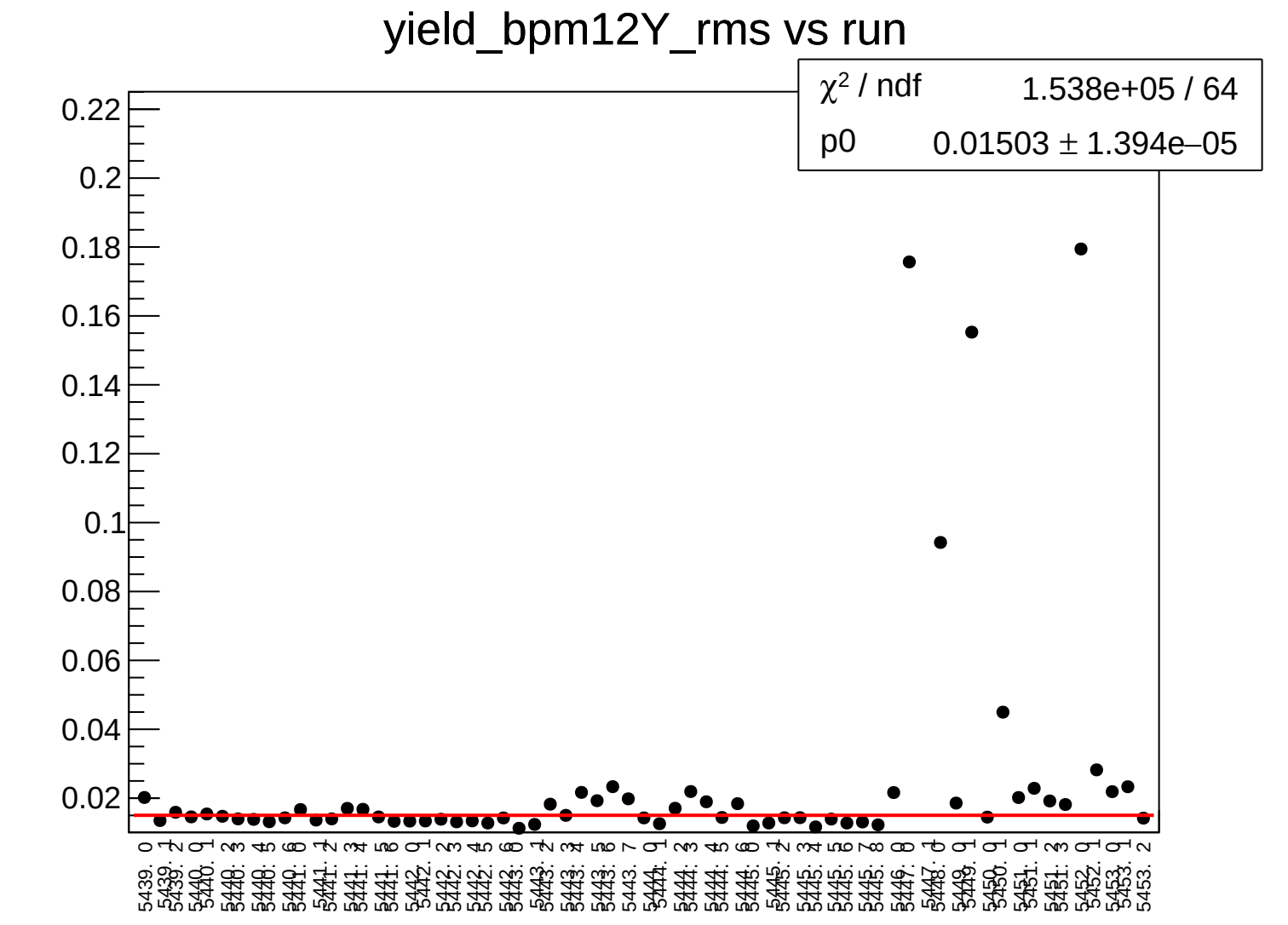

yield_bpm12X_mean vs run
χ² / ndf 8.901e+04 / 64
p0 −0.6979 ± 4.154e−05
pull
Entries 65
Mean 53.71
Std Dev 0

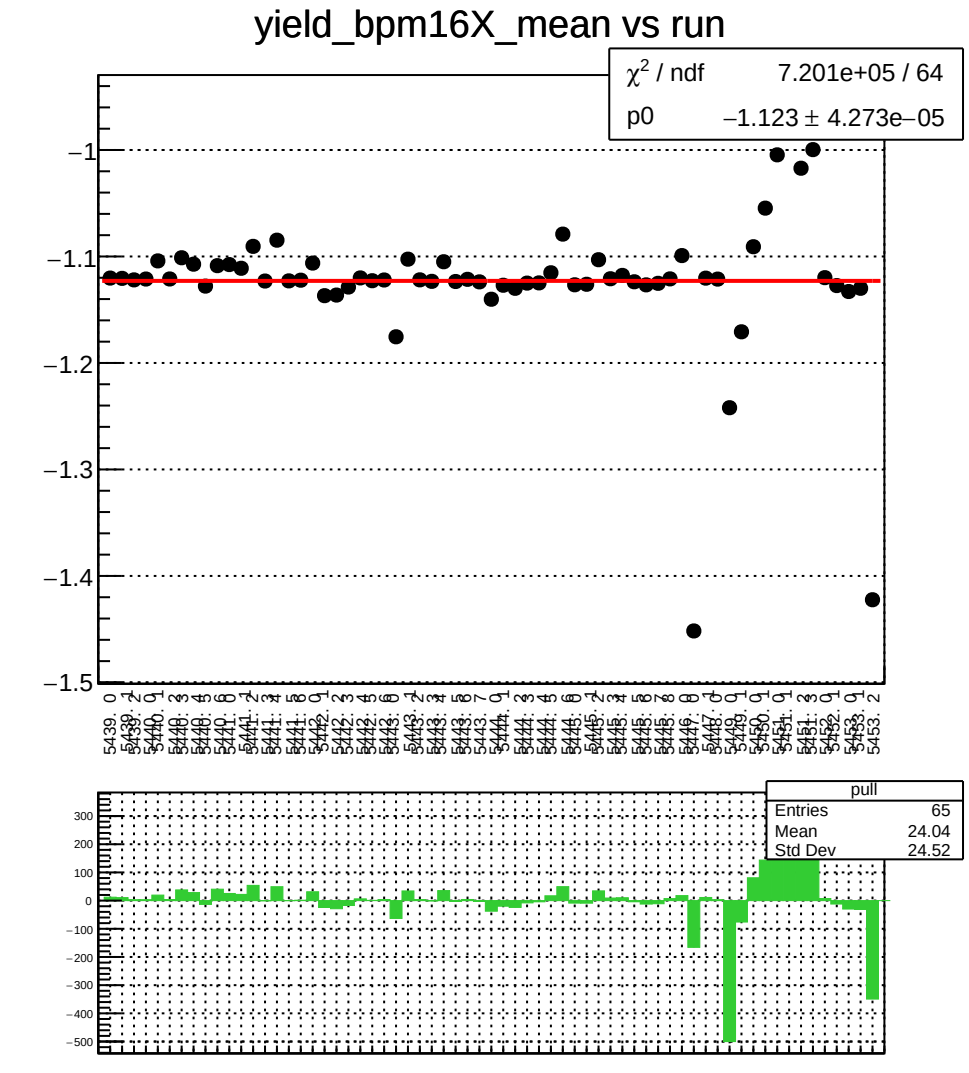

pull1D
Entries 65
Mean −0.3545
Std Dev 3.863

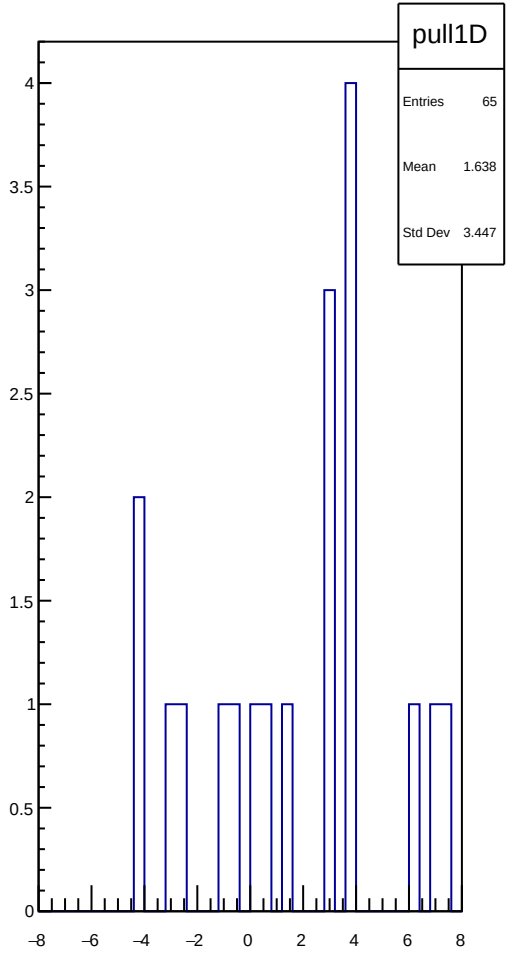

yield_bpm12X_rms vs run
χ² / ndf 1.279e+05 / 64
p0 0.03201 ± 2.938e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

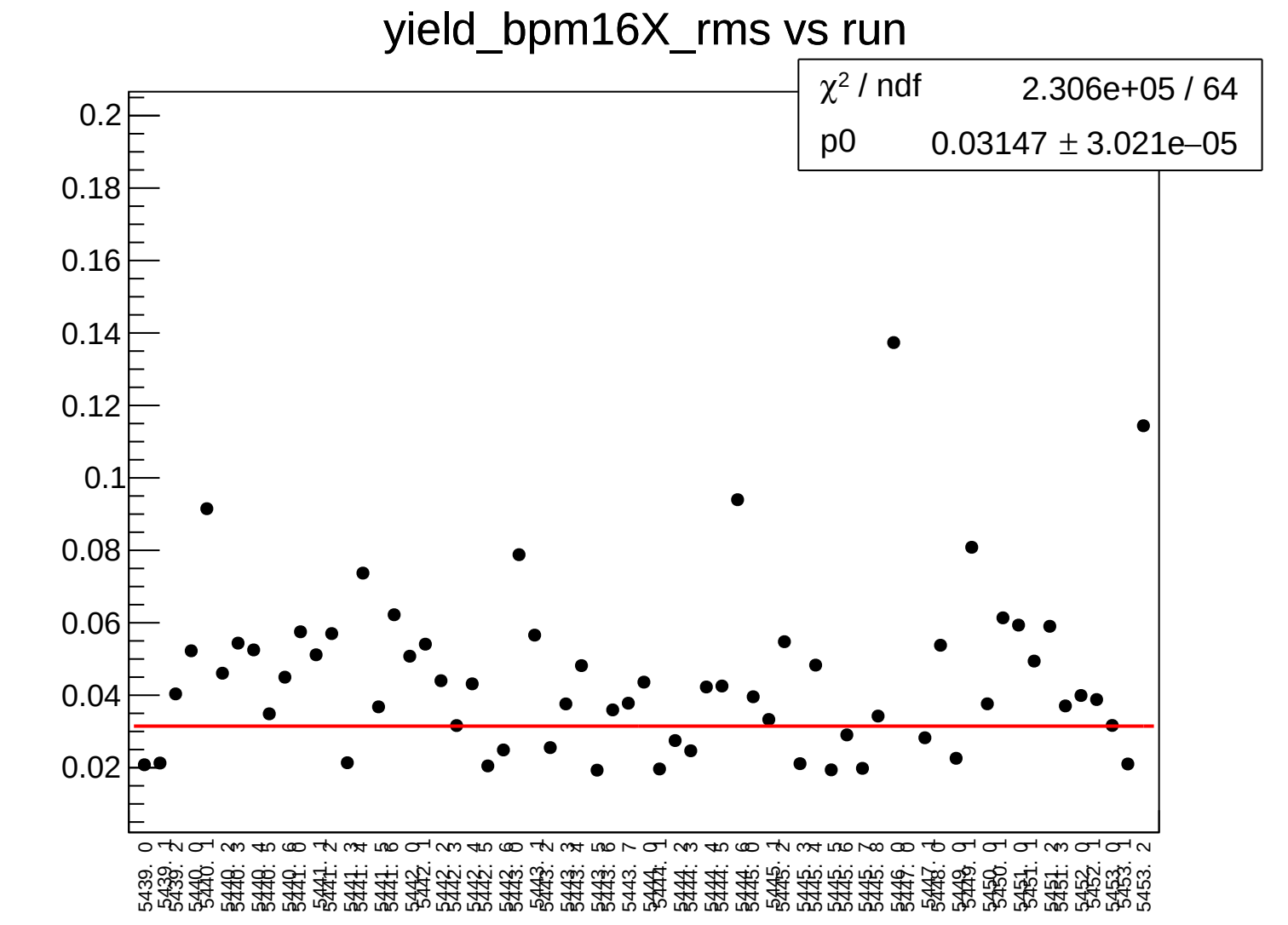

yield_bpm12Y_mean vs run
χ² / ndf 2.888e+06 / 64
p0 0.4161 ± 1.972e−05
pull
Entries 65
Mean 34.8
Std Dev 0

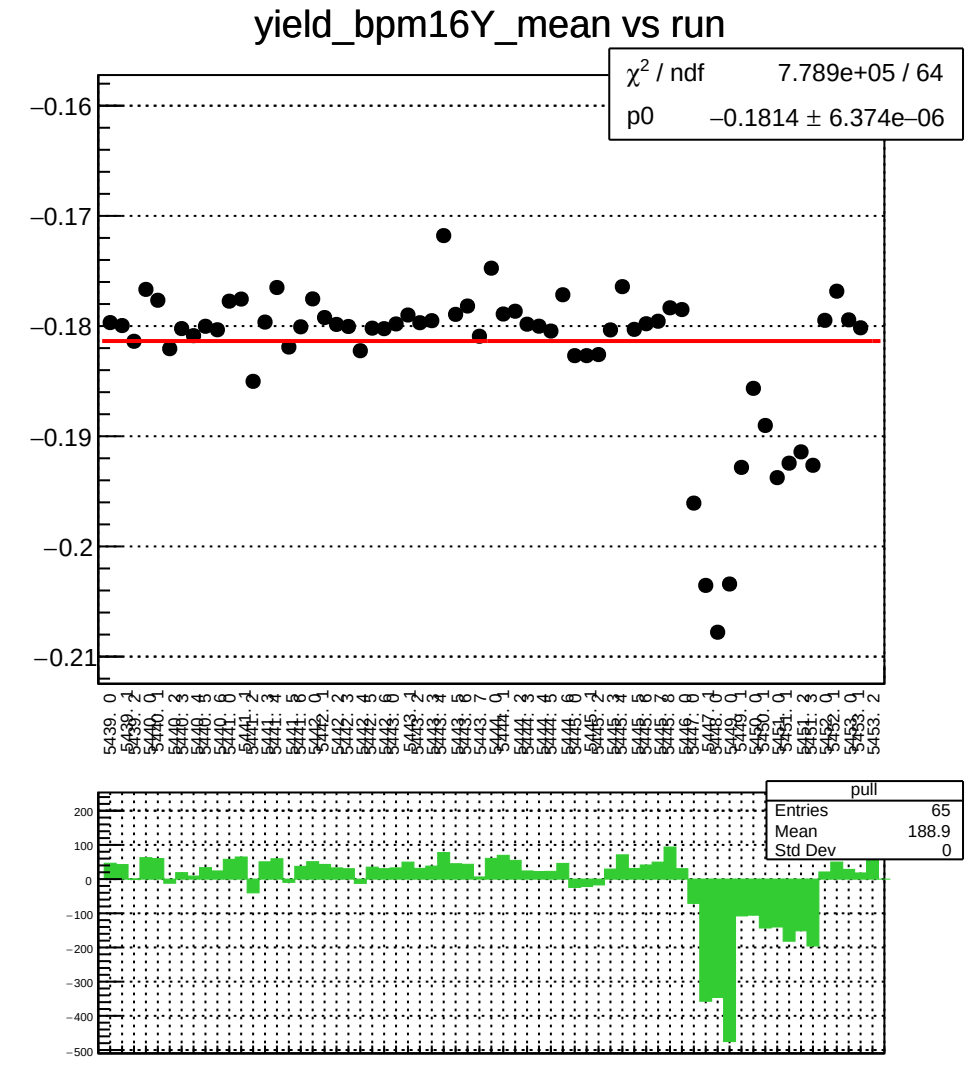

pull1D
Entries 65
Mean 0.3482
Std Dev 4.22

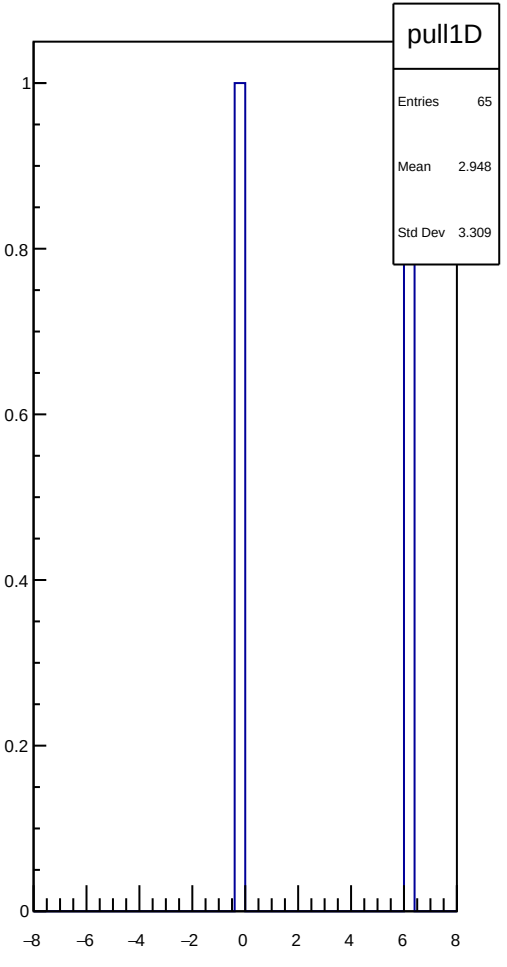

yield_bpm12Y_rms vs run
χ² / ndf 1.538e+05 / 64
p0 0.01503 ± 1.394e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

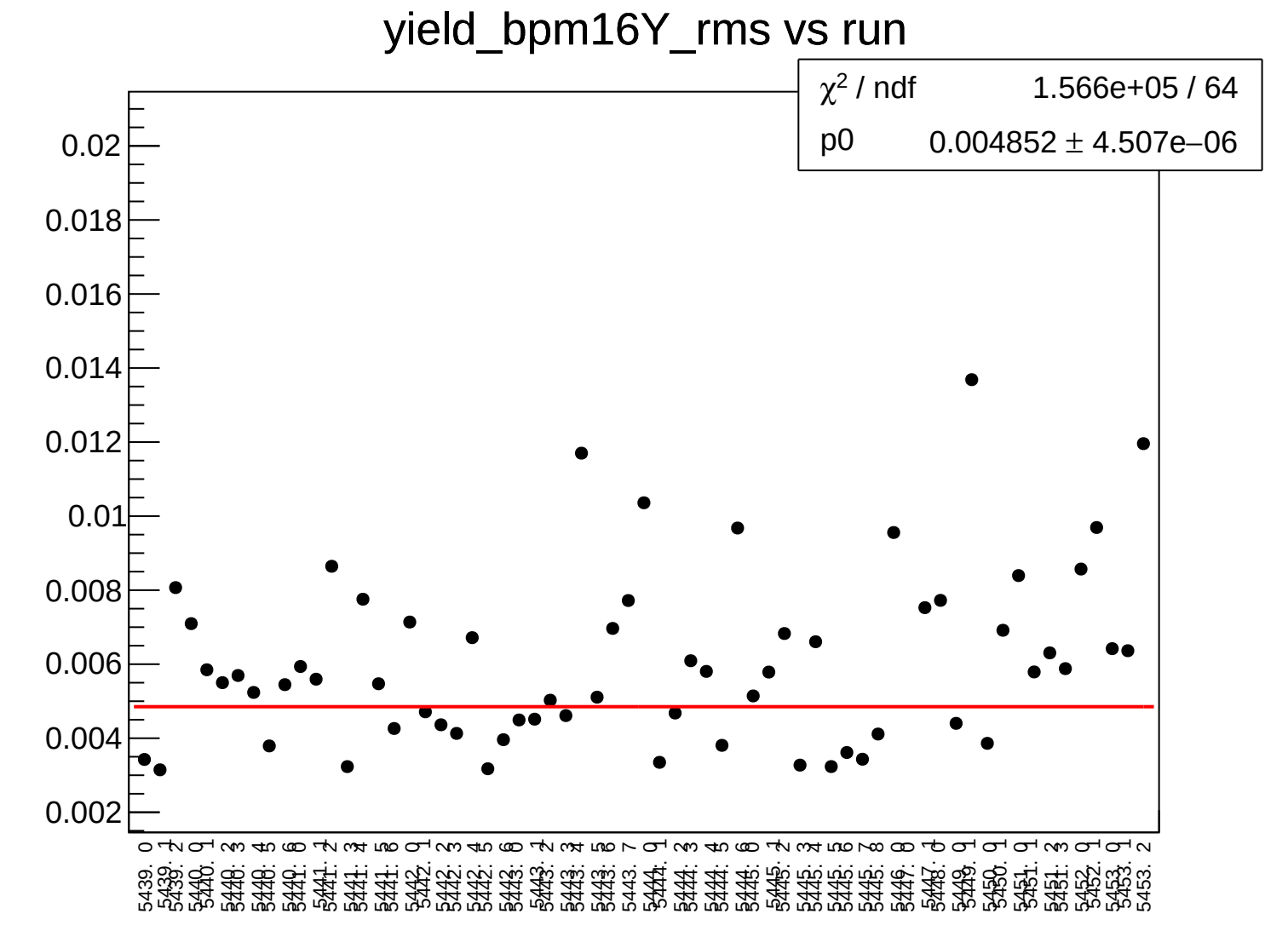

yield_bpm16X_mean vs run
χ² / ndf 7.201e+05 / 64
p0 −1.123 ± 4.273e−05
pull
Entries 65
Mean 24.04
Std Dev 24.52

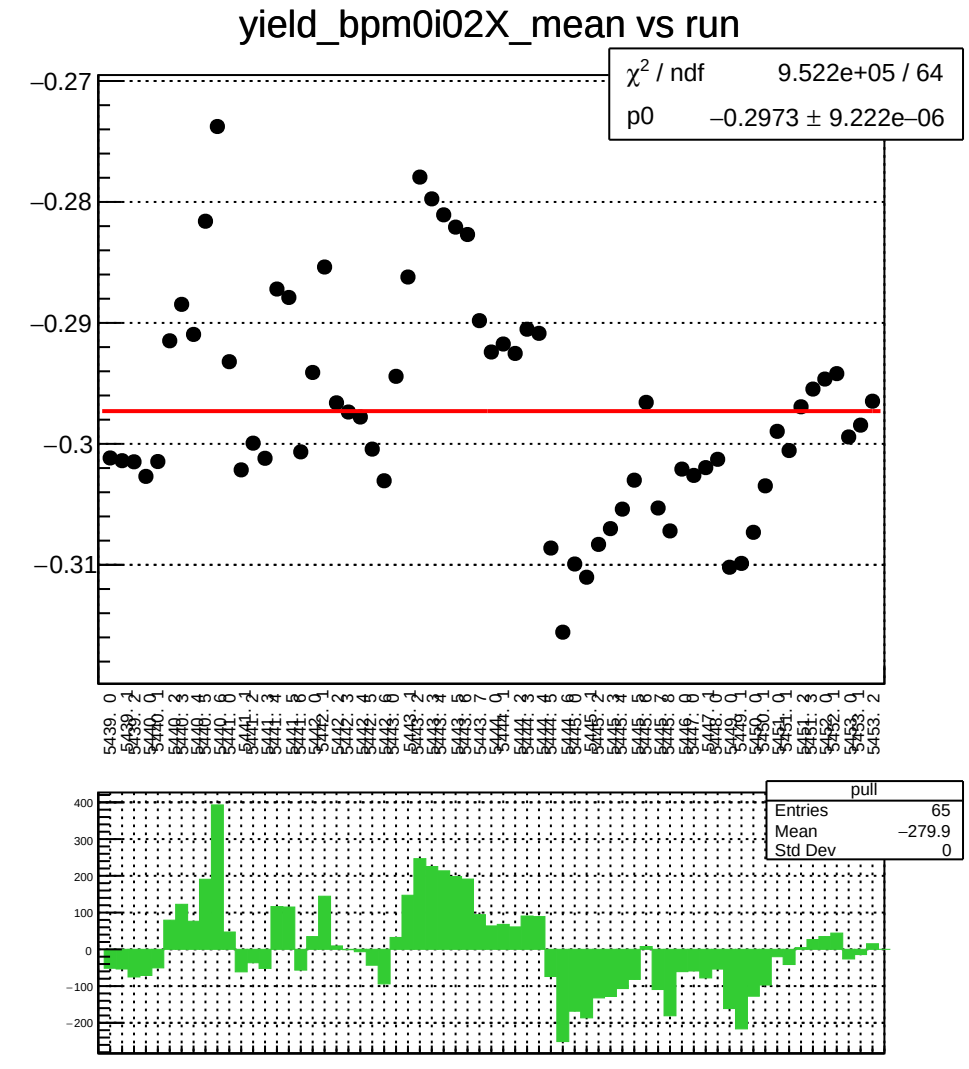

pull1D
Entries 65
Mean 1.638
Std Dev 3.447

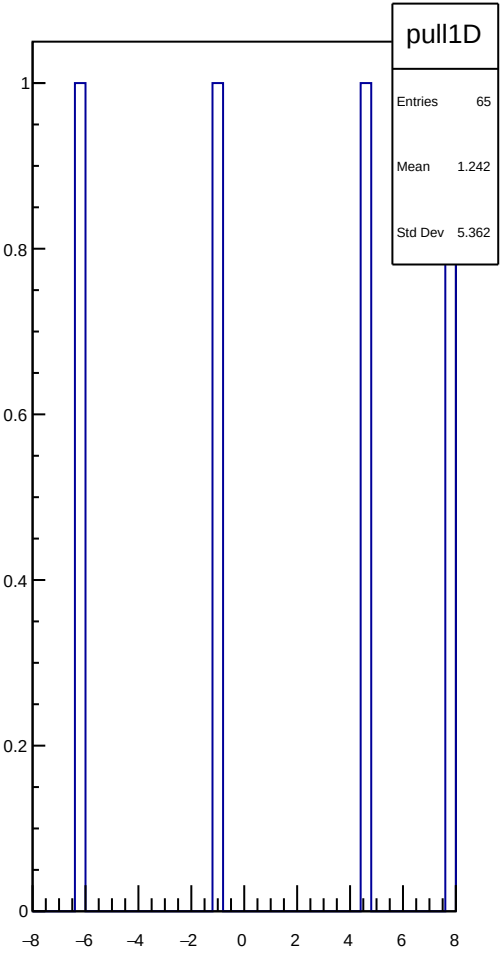

yield_bpm16X_rms vs run
χ² / ndf 2.306e+05 / 64
p0 0.03147 ± 3.021e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

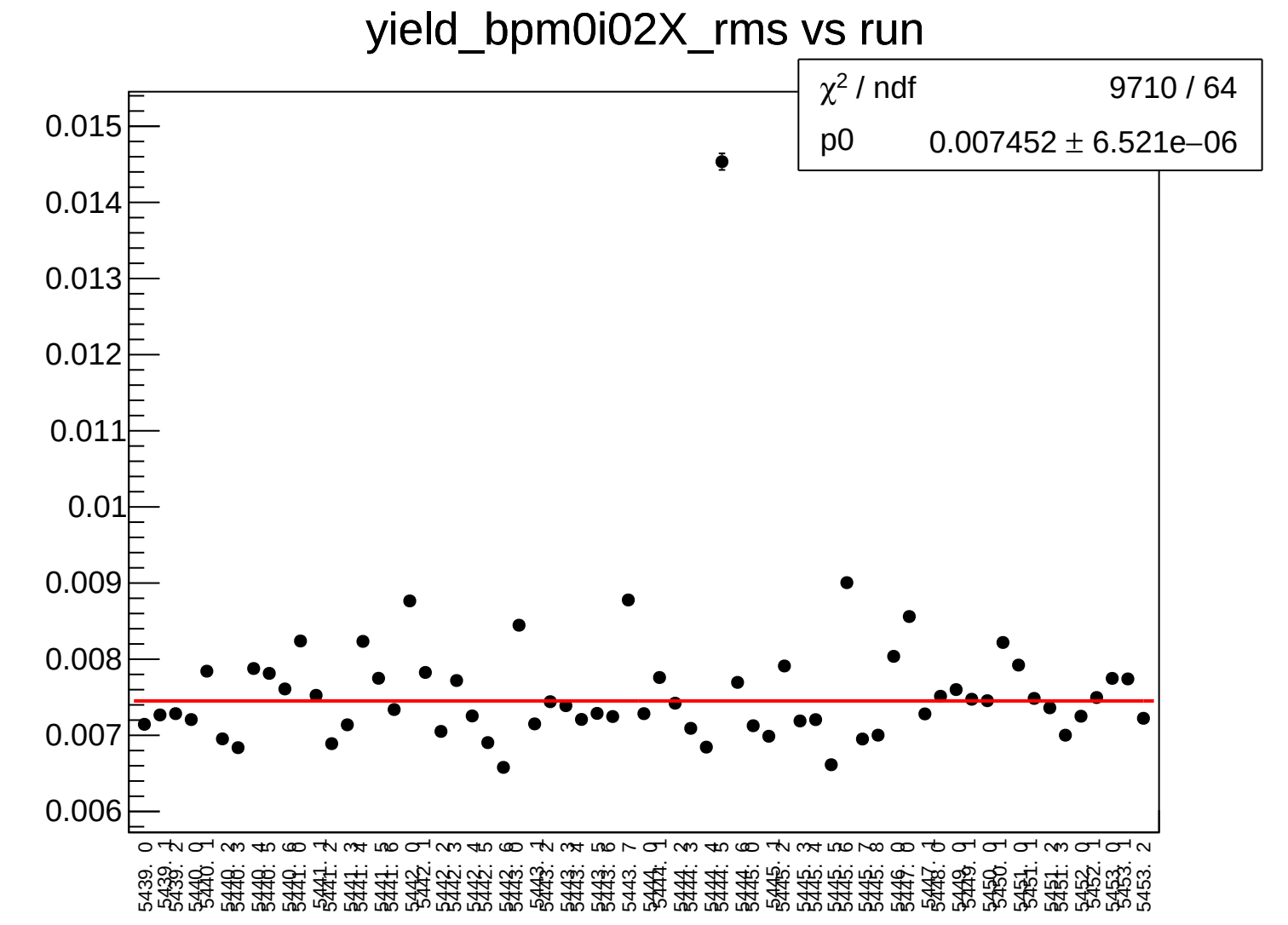

yield_bpm16Y_mean vs run
χ² / ndf 7.789e+05 / 64
p0 −0.1814 ± 6.374e−06
−0.16
−0.17
−0.18
−0.19
−0.2
−0.21
pull
Entries 65
Mean 188.9
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

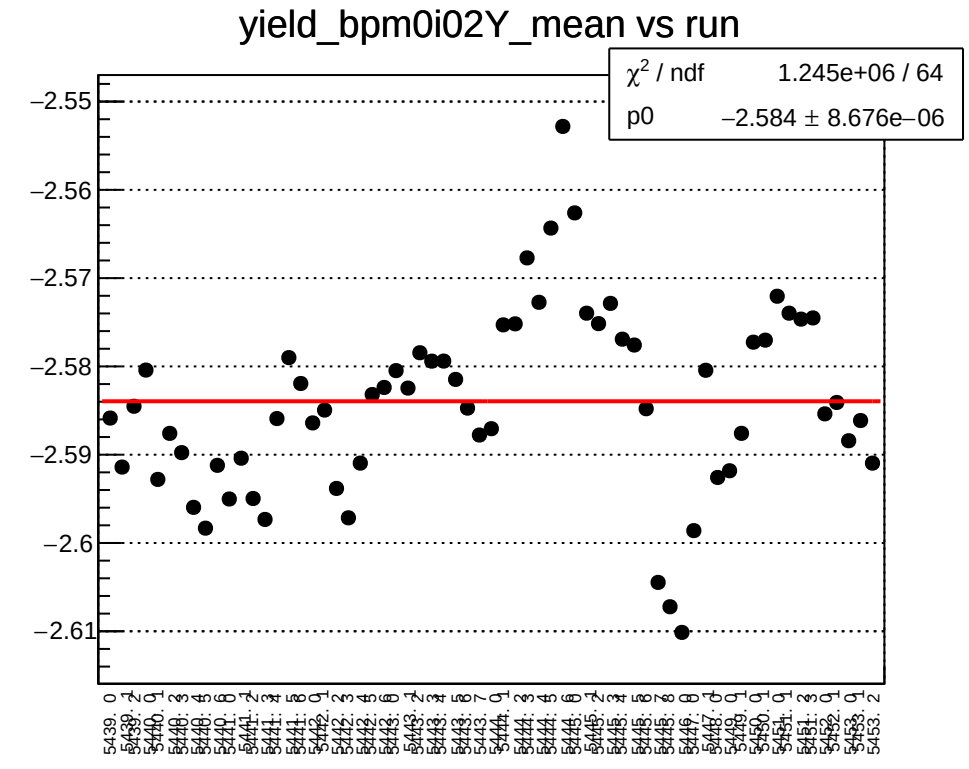

pull1D
Entries 65
Mean 2.948
Std Dev 3.309
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

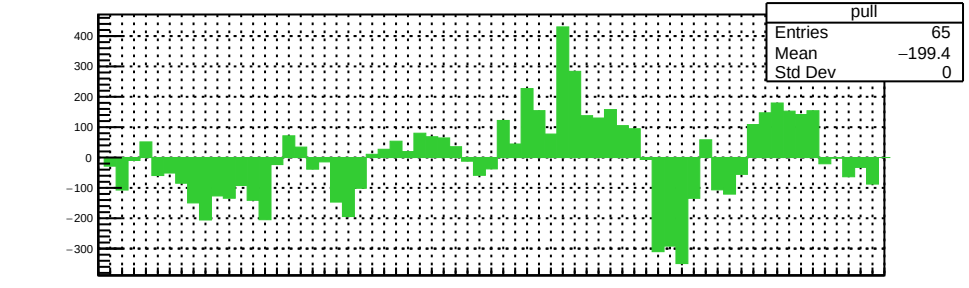

yield_bpm16Y_rms vs run
χ² / ndf 1.566e+05 / 64
p0 0.004852 ± 4.507e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

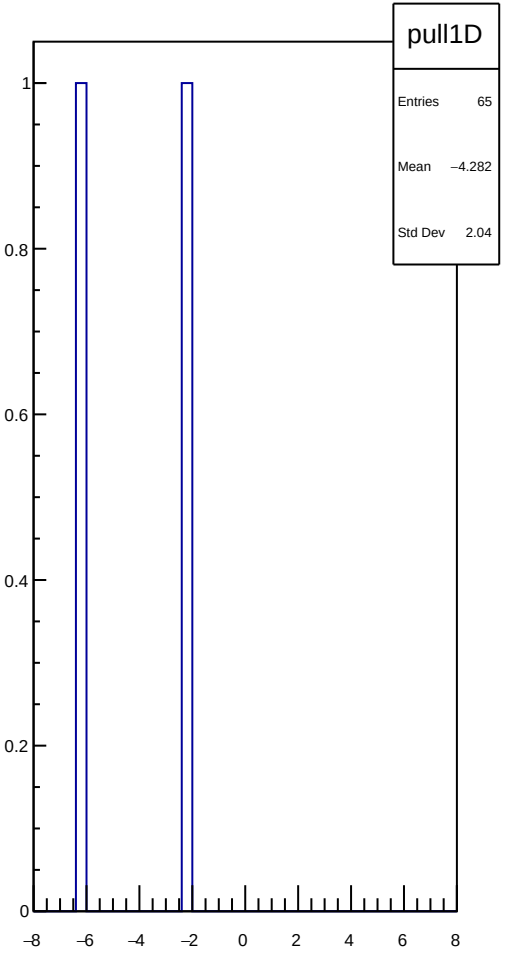

yield_bpm0i02X_mean vs run
χ² / ndf 9.522e+05 / 64
p0 −0.2973 ± 9.222e−06
−0.27
−0.28
−0.29
−0.3
−0.31
pull
Entries 65
Mean −279.9
Std Dev 0
400
300
200
100
0
−100
−200

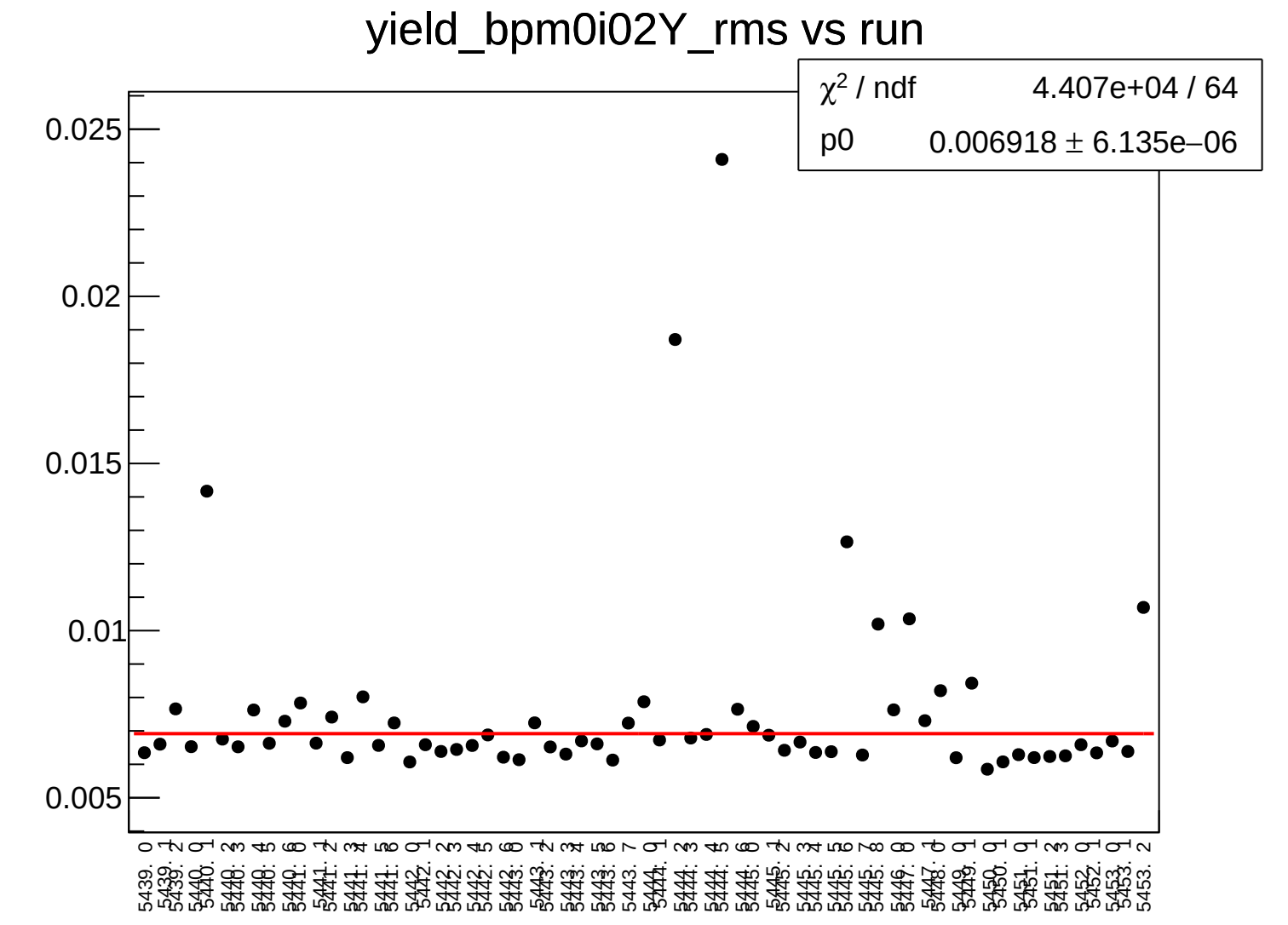

pull1D
Entries 65
Mean 1.242
Std Dev 5.362
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

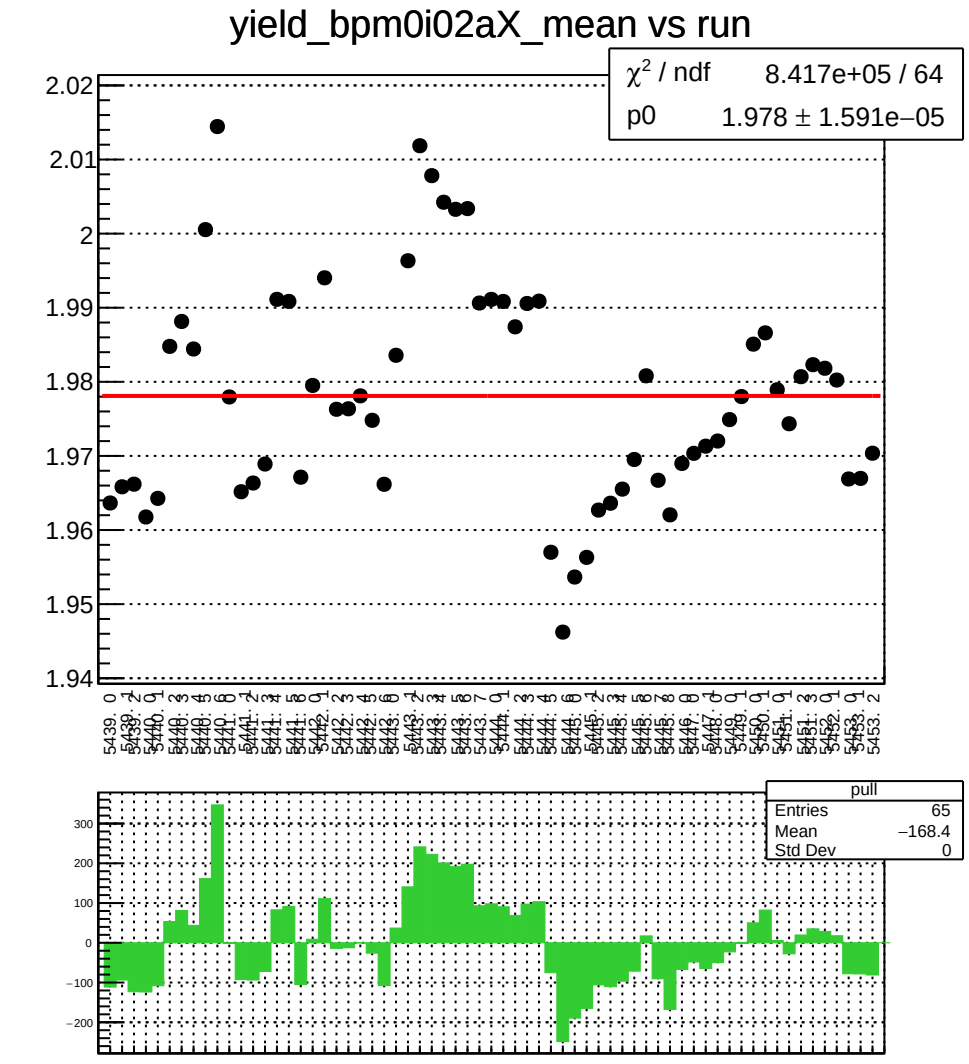

yield_bpm0i02X_rms vs run
χ² / ndf 9710 / 64
p0 0.007452 ± 6.521e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

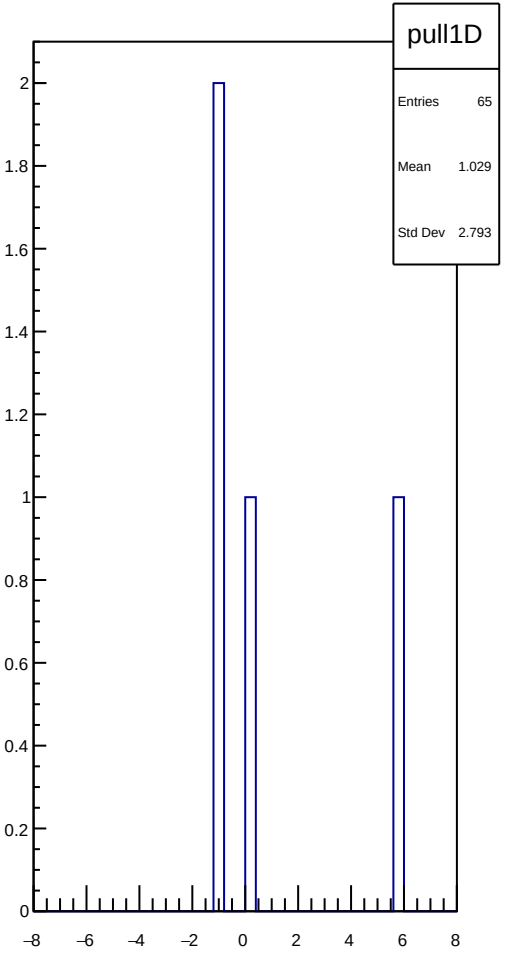

yield_bpm0i02Y_mean vs run
χ² / ndf 1.245e+06 / 64
p0 −2.584 ± 8.676e−06
−2.55
−2.56
−2.57
−2.58
−2.59
−2.6
−2.61

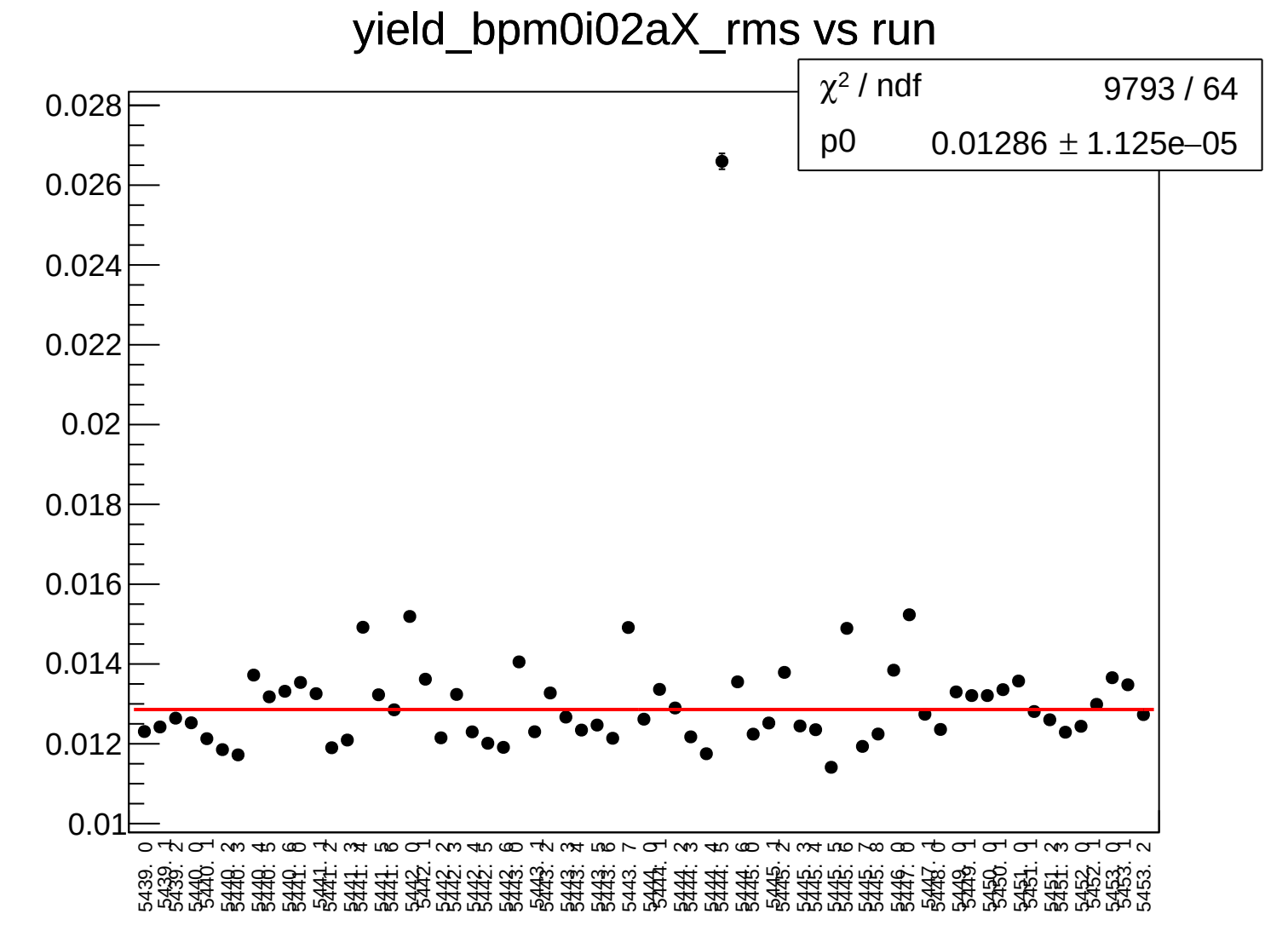

pull
Entries 65
Mean −199.4
Std Dev 0
400
300
200
100
0
−100
−200
−300

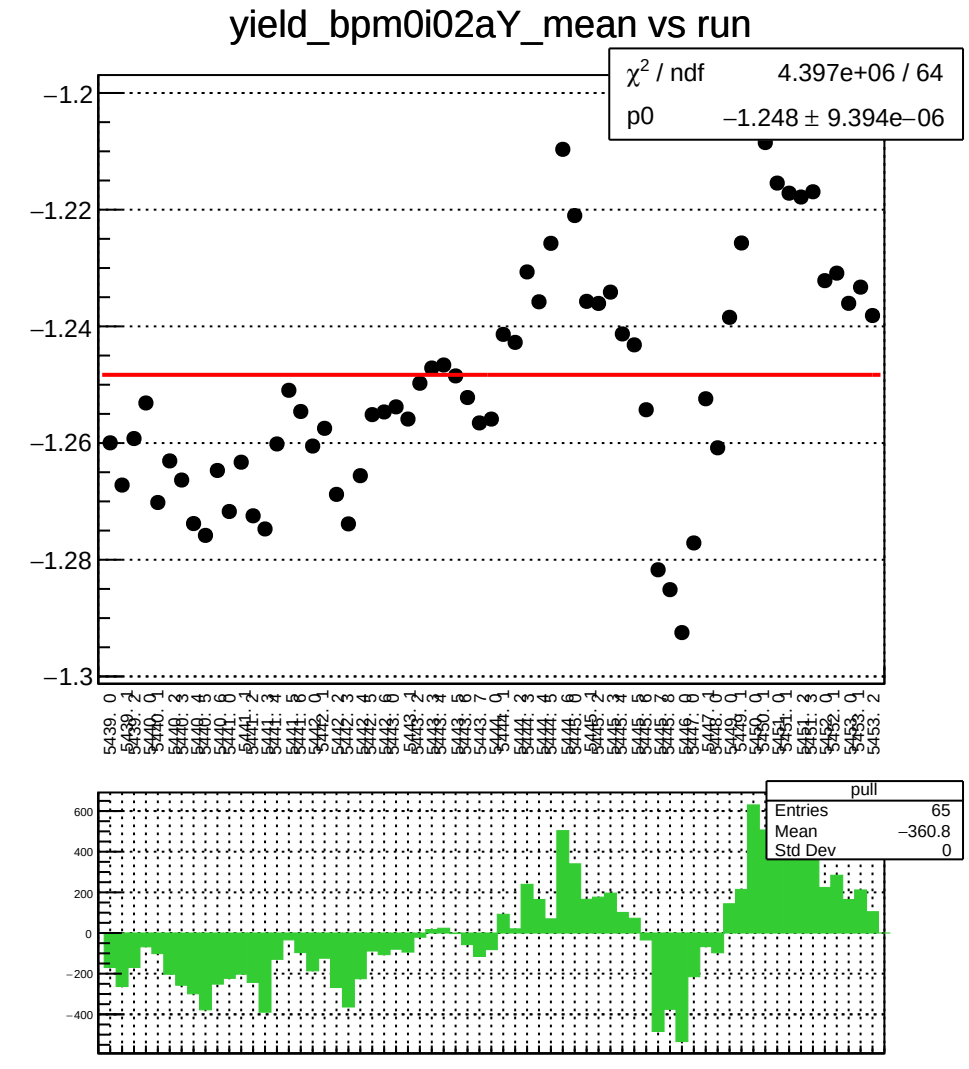

pull1D
Entries 65
Mean −4.282
Std Dev 2.04
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

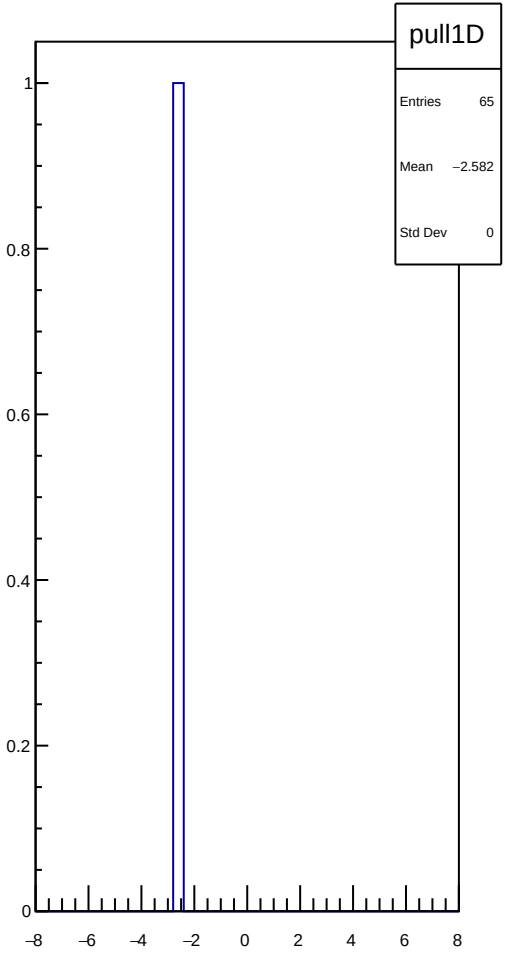

yield_bpm0i02Y_rms vs run
χ² / ndf 4.407e+04 / 64
p0 0.006918 ± 6.135e−06
0.025
0.02
0.015
0.01
0.005

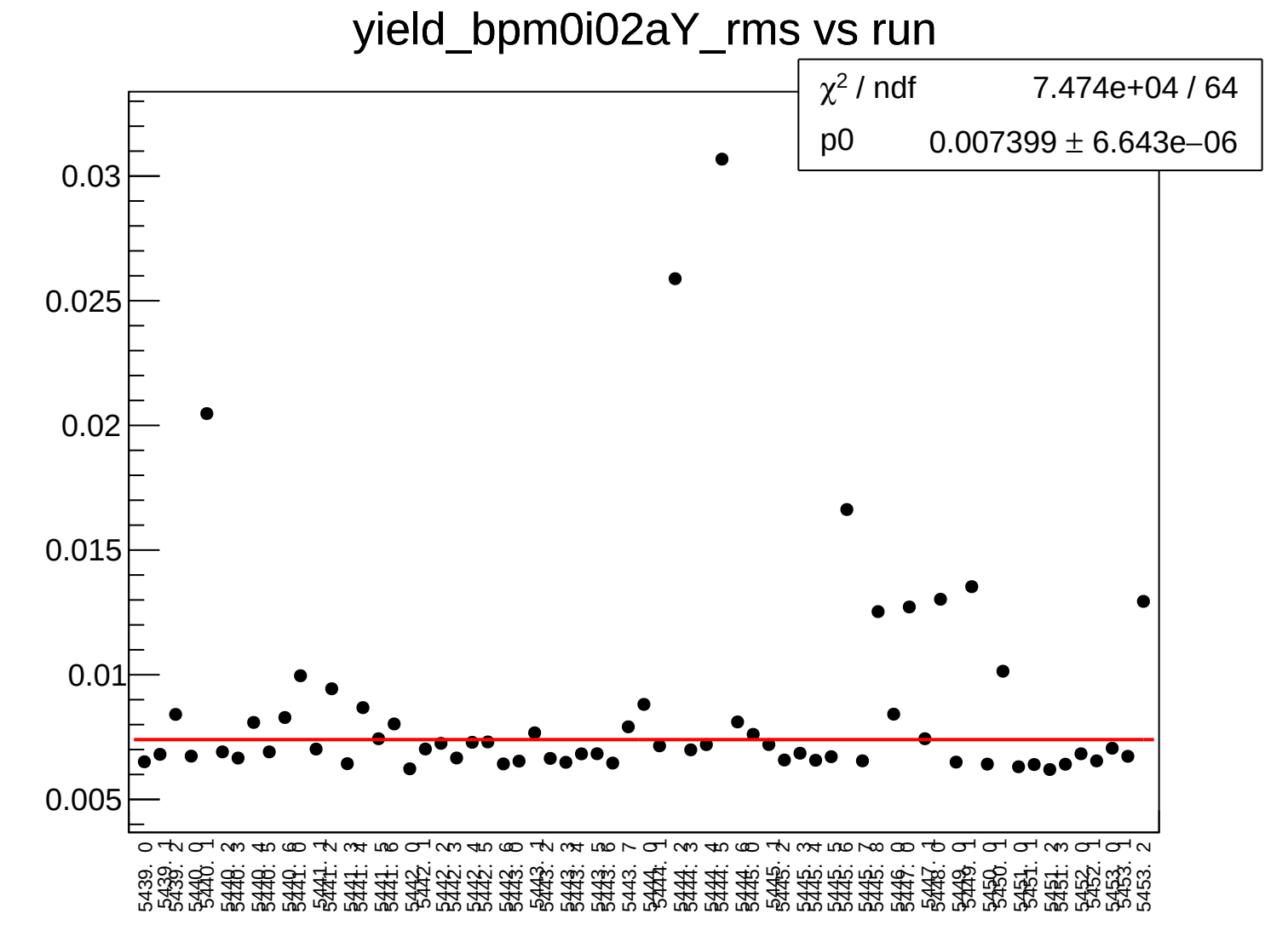

yield_bpm0i02aX_mean vs run
χ² / ndf 8.417e+05 / 64
p0 1.978 ± 1.591e−05
pull
Entries 65
Mean −168.4
Std Dev 0

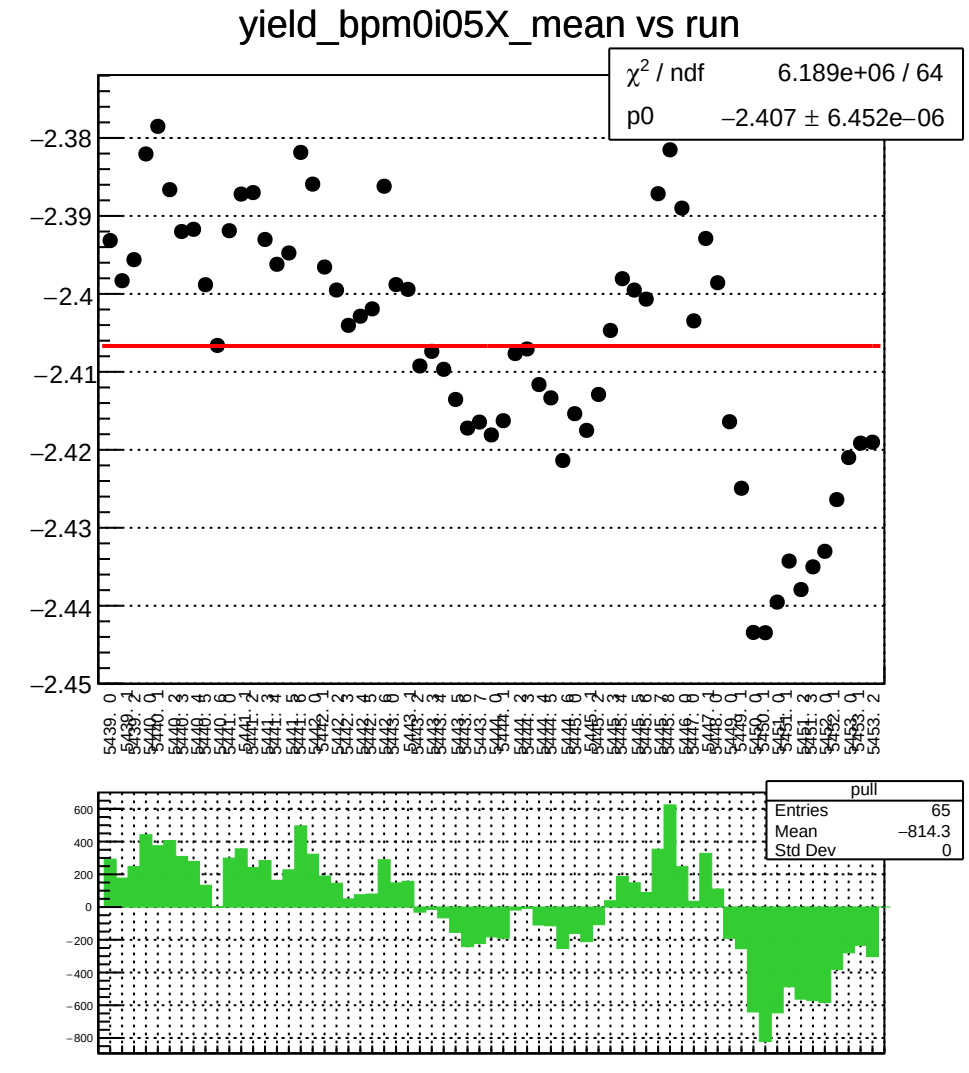

pull1D
Entries 65
Mean 1.029
Std Dev 2.793

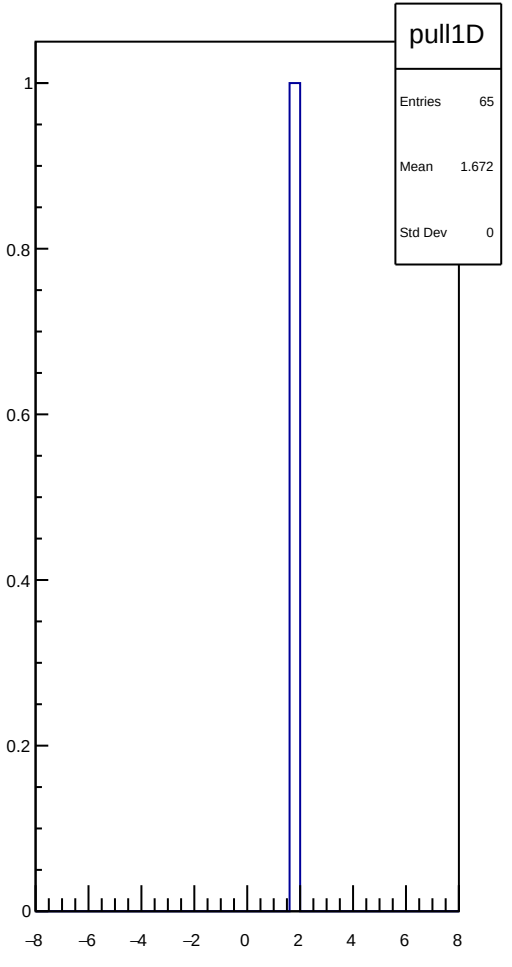

yield_bpm0i02aX_rms vs run
χ² / ndf 9793 / 64
p0 0.01286 ± 1.125e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

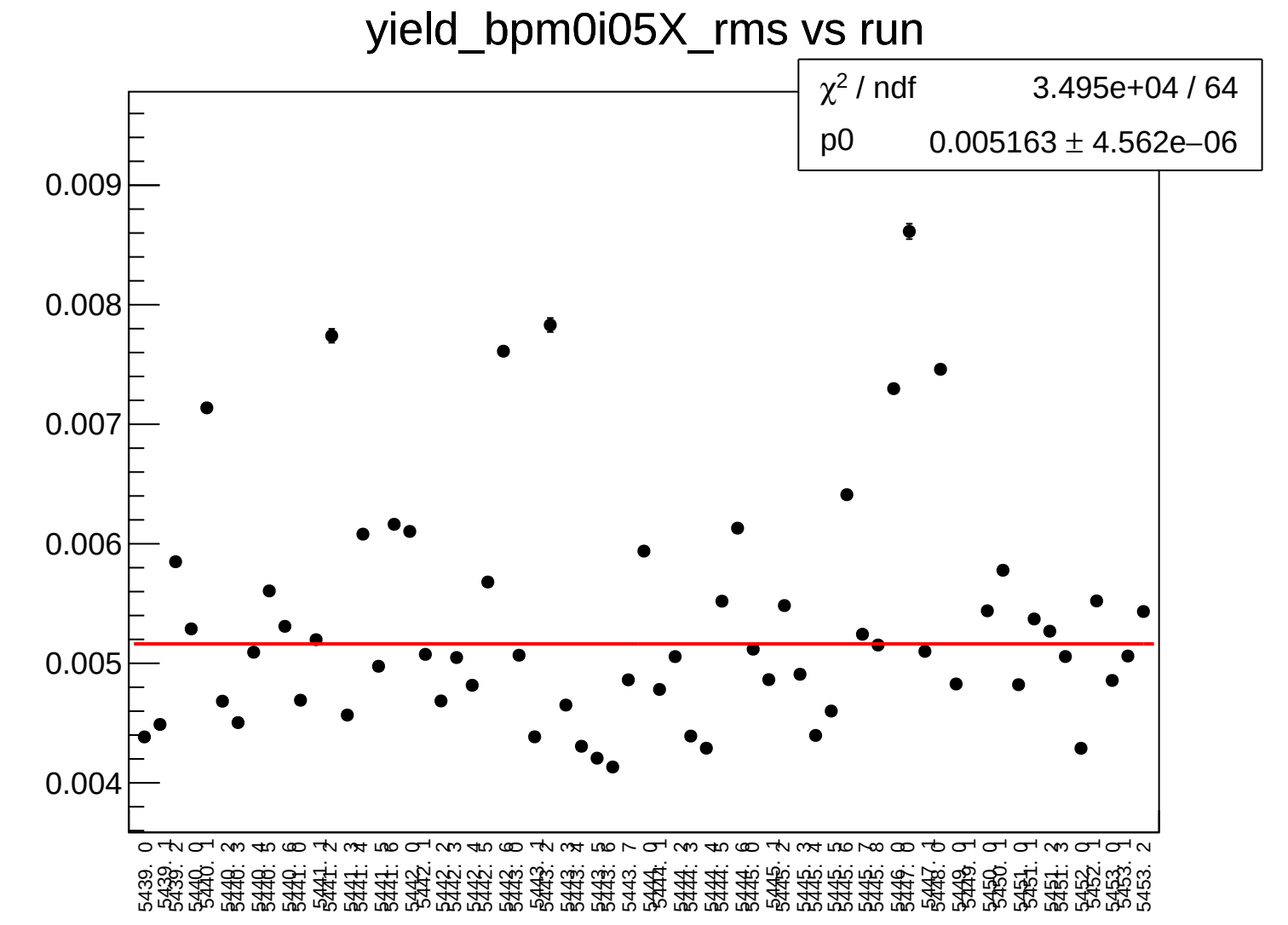

yield_bpm0i02aY_mean vs run
χ² / ndf 4.397e+06 / 64
p0 −1.248 ± 9.394e−06
−1.2
−1.22
−1.24
−1.26
−1.28
−1.3
pull
Entries 65
Mean −360.8
Std Dev 0
600
400
200
0
−200
−400

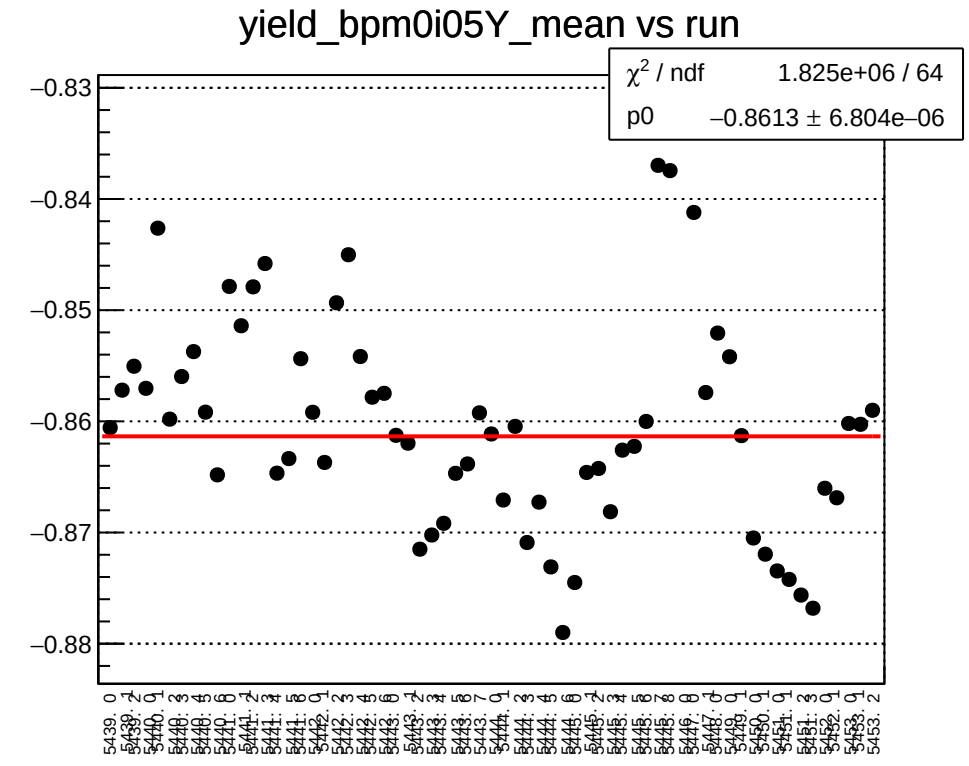

pull1D
Entries 65
Mean −2.582
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

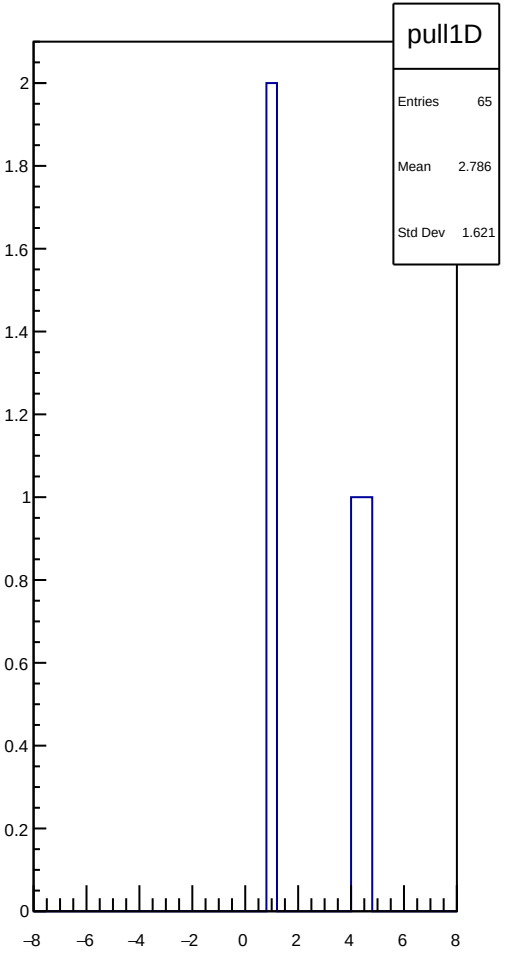

yield_bpm0i02aY_rms vs run
χ² / ndf 7.474e+04 / 64
p0 0.007399 ± 6.643e−06
0.03
0.025
0.02
0.015
0.01
0.005

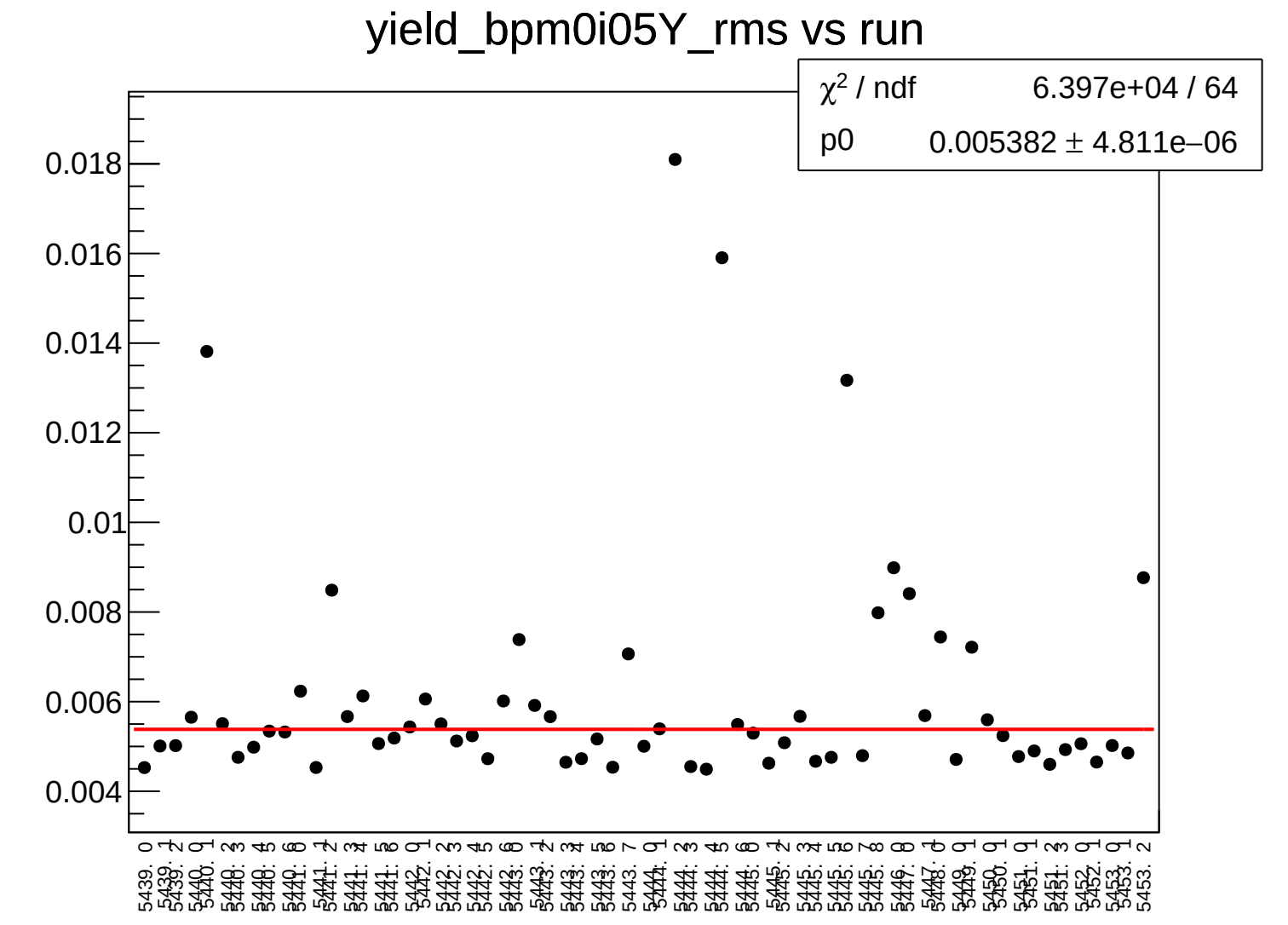

yield_bpm0i05X_mean vs run
χ² / ndf 6.189e+06 / 64
p0 −2.407 ± 6.452e−06
−2.38
−2.39
−2.4
−2.41
−2.42
−2.43
−2.44
−2.45
pull
Entries 65
Mean −814.3
Std Dev 0
600
400
200
0
−200
−400
−600
−800

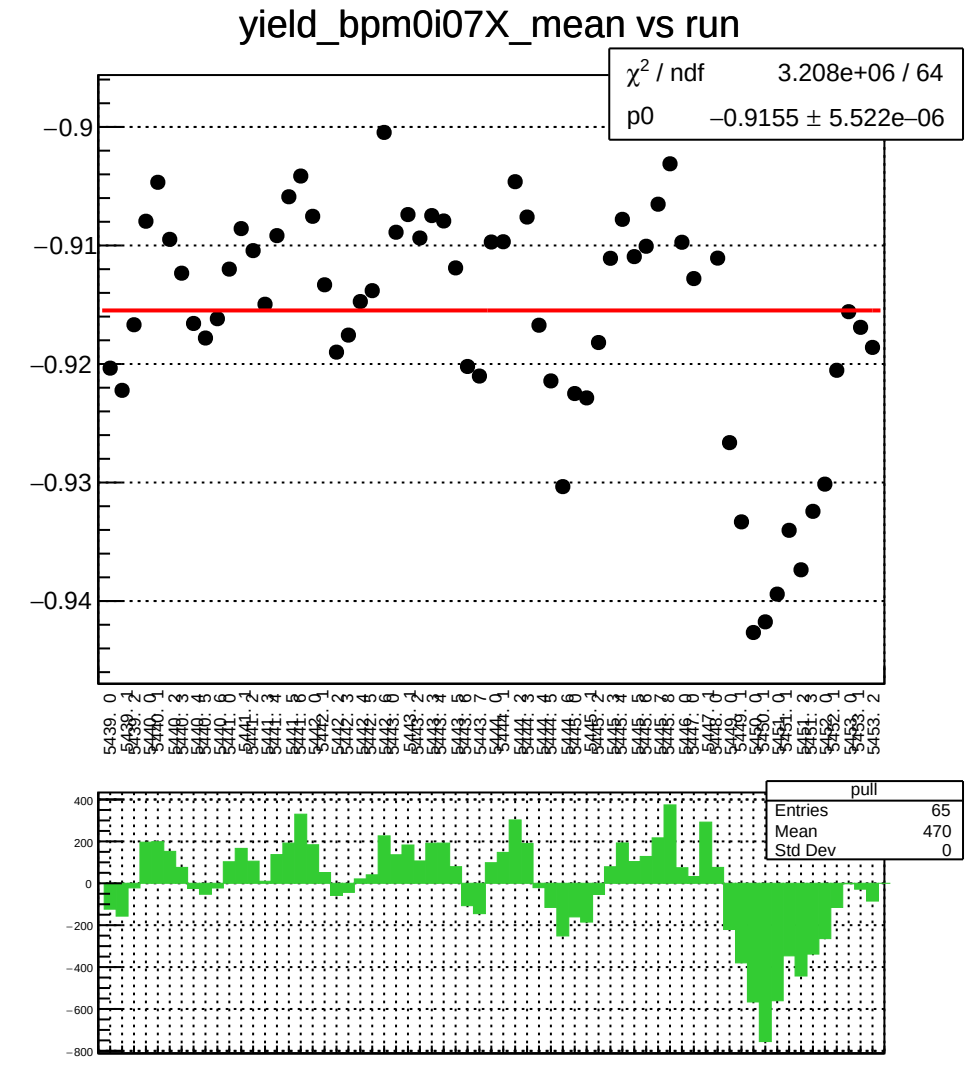

pull1D
Entries 65
Mean 1.672
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

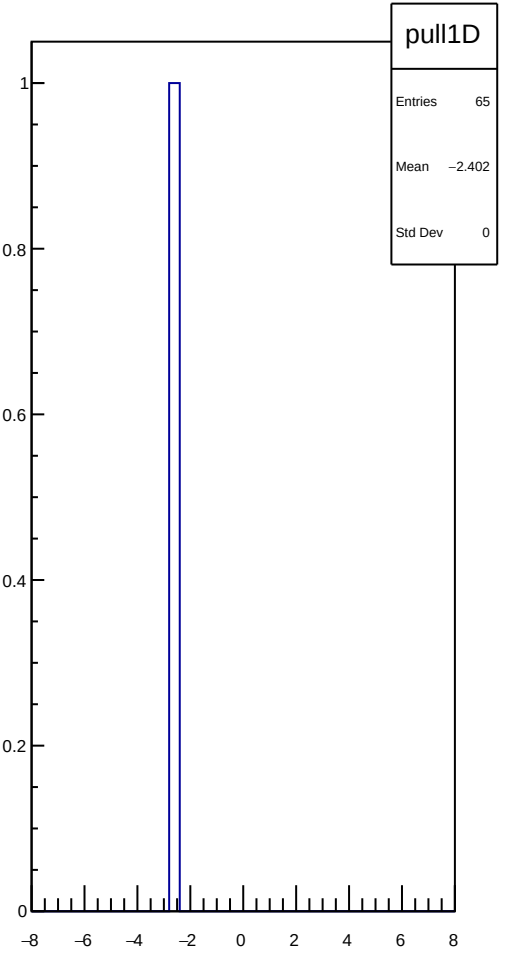

yield_bpm0i05X_rms vs run
χ² / ndf 3.495e+04 / 64
p0 0.005163 ± 4.562e−06
0.009
0.008
0.007
0.006
0.005
0.004

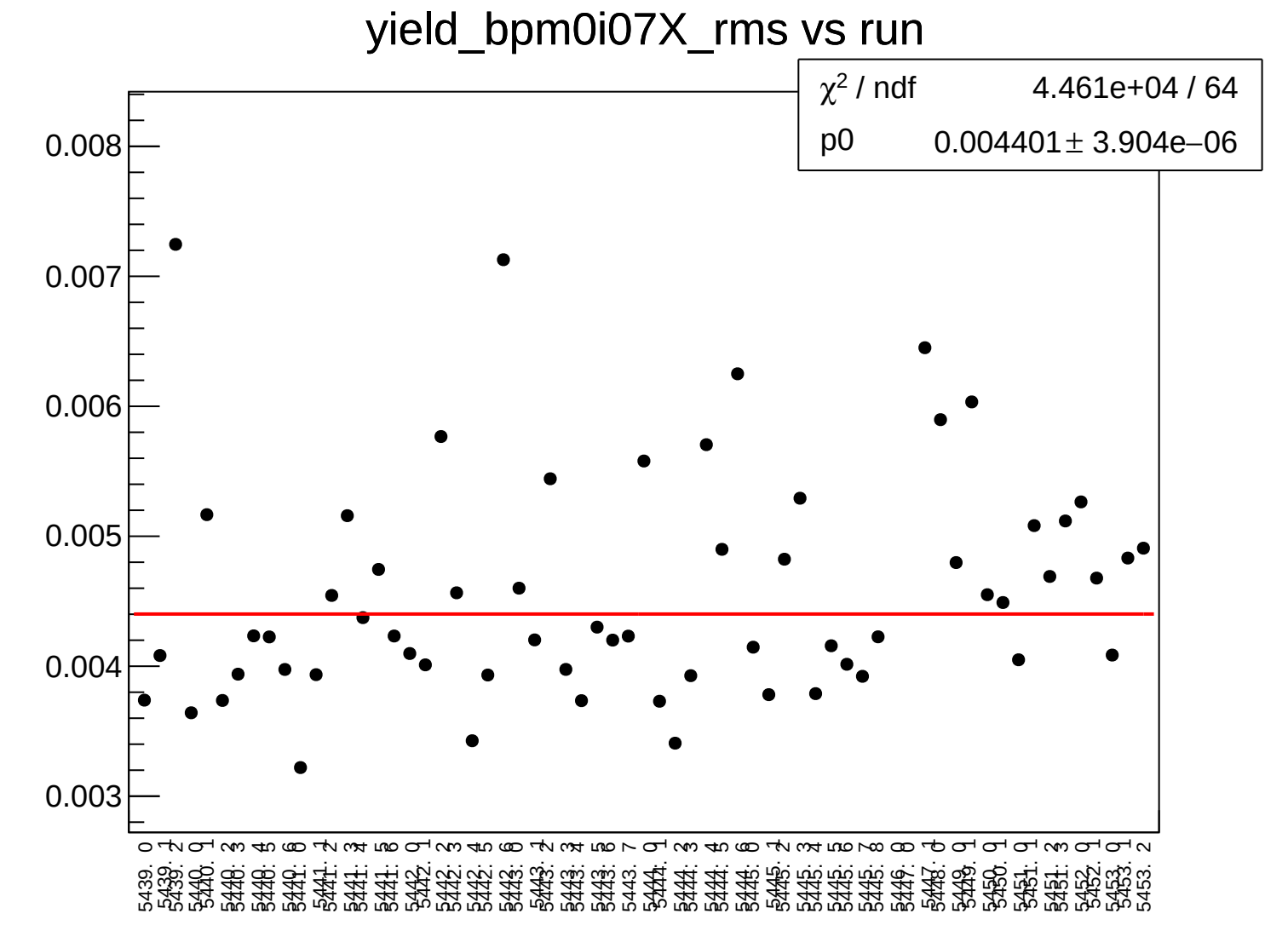

yield_bpm0i05Y_mean vs run
χ² / ndf 1.825e+06 / 64
p0 −0.8613 ± 6.804e−06
−0.83
−0.84
−0.85
−0.86
−0.87
−0.88
pull
Entries 65
Mean −83.28
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

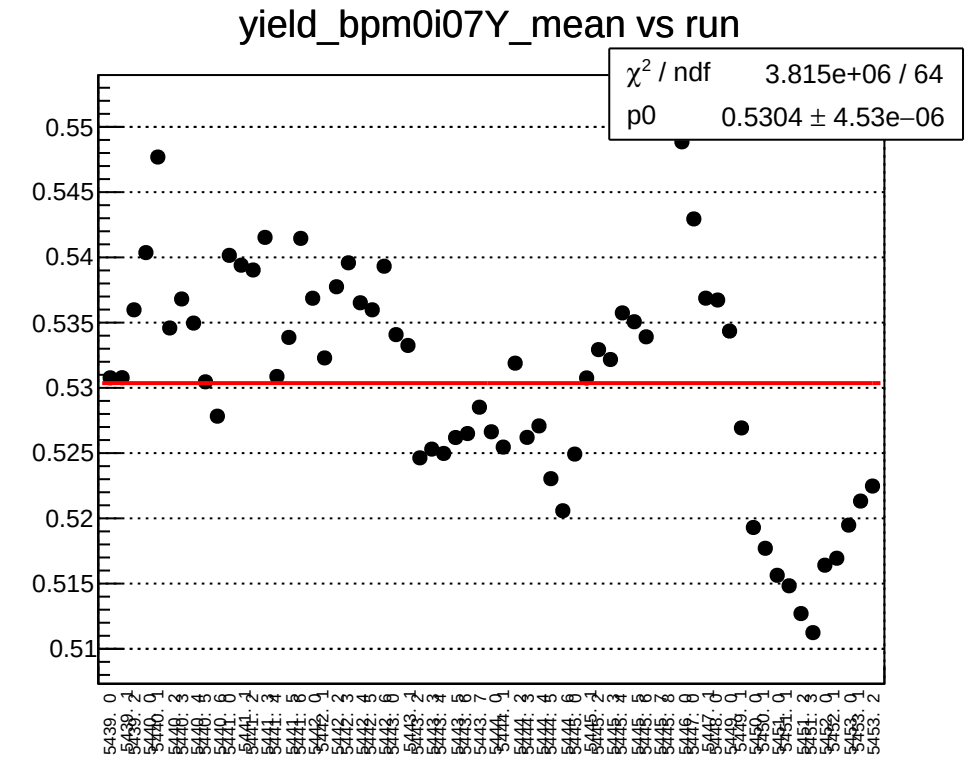

pull1D
Entries 65
Mean 2.786
Std Dev 1.621
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

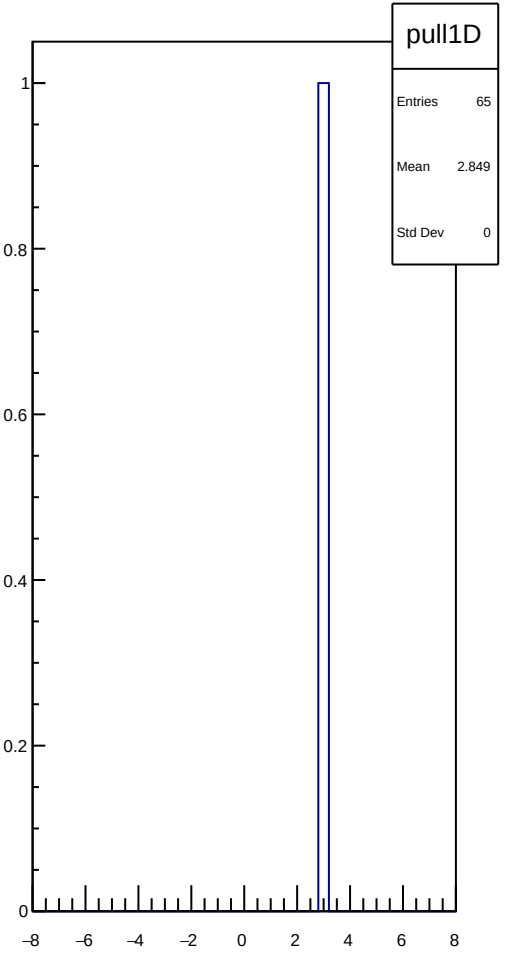

yield_bpm0i05Y_rms vs run
χ² / ndf 6.397e+04 / 64
p0 0.005382 ± 4.811e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

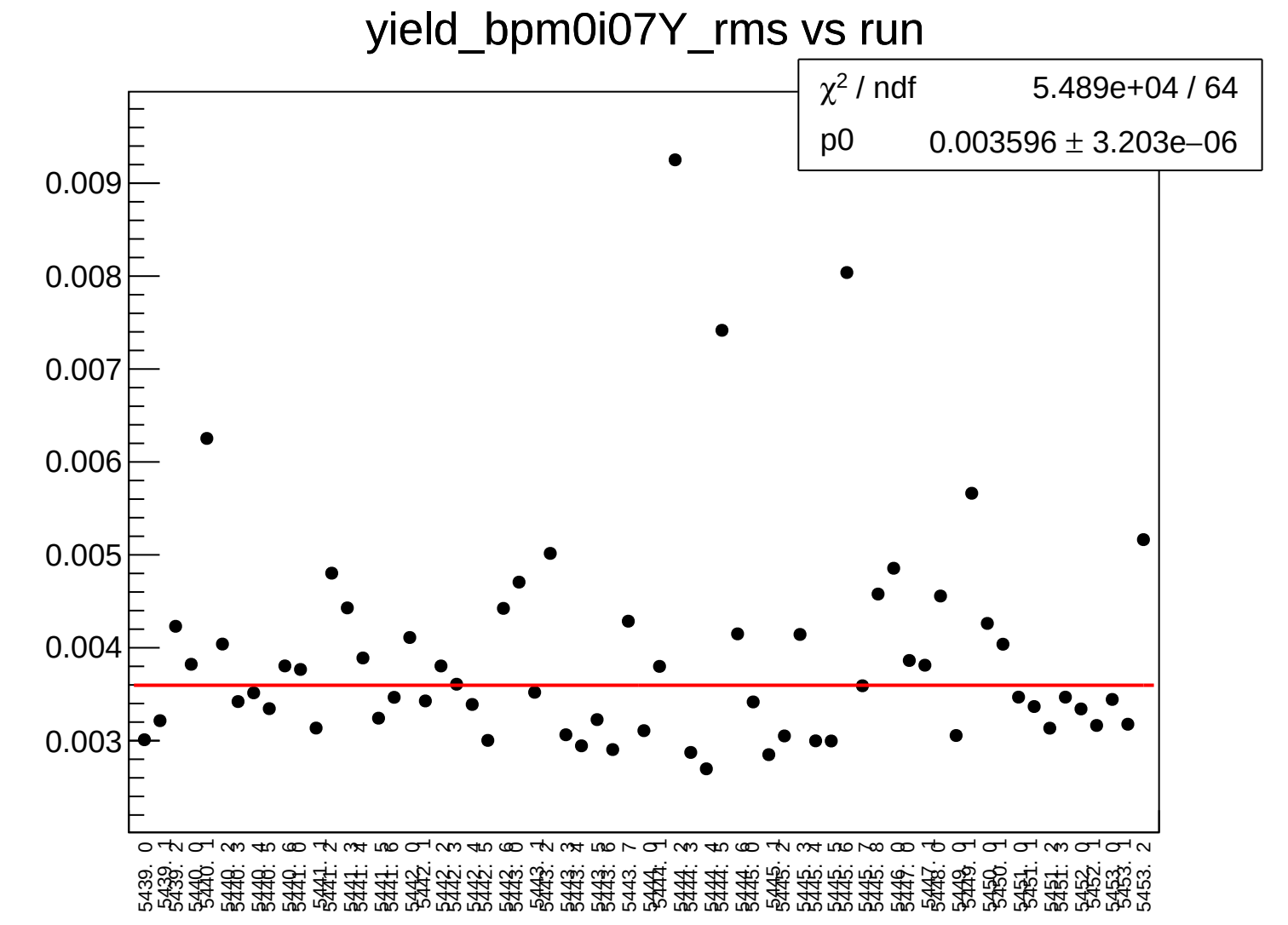

yield_bpm0i07X_mean vs run
χ² / ndf 3.208e+06 / 64
p0 −0.9155 ± 5.522e−06
−0.9
−0.91
−0.92
−0.93
−0.94
pull
Entries 65
Mean 470
Std Dev 0
400
200
0
−200
−400
−600
−800

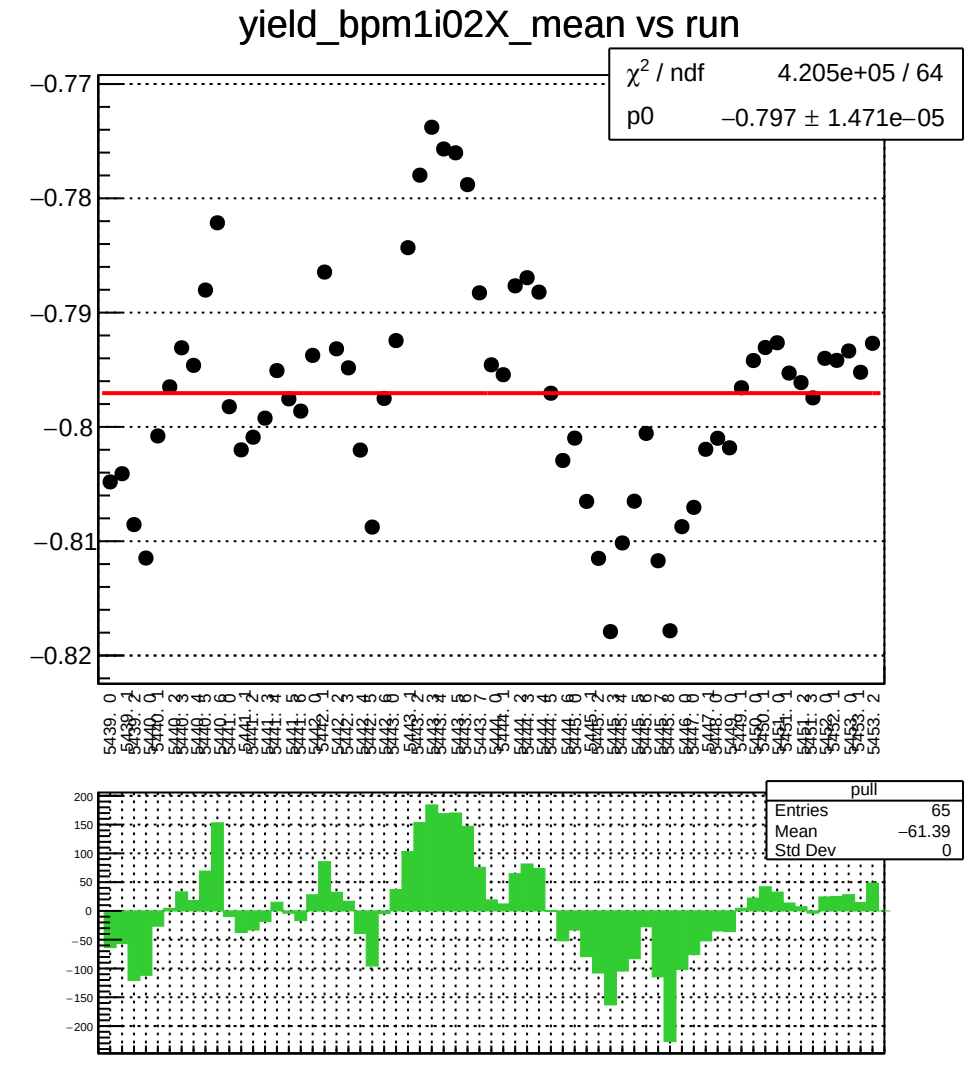

pull1D
Entries 65
Mean −2.402
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

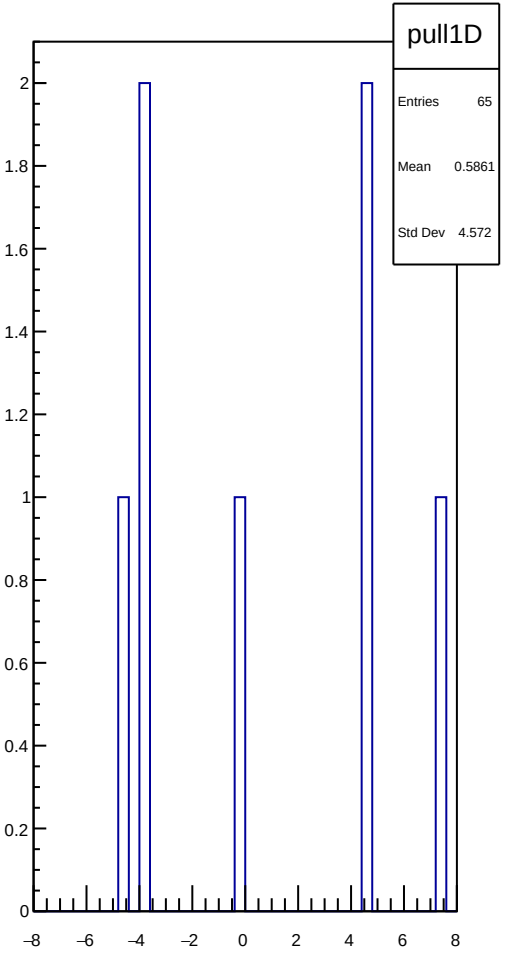

yield_bpm0i07X_rms vs run
χ² / ndf 4.461e+04 / 64
p0 0.004401 ± 3.904e−06
0.008
0.007
0.006
0.005
0.004
0.003
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

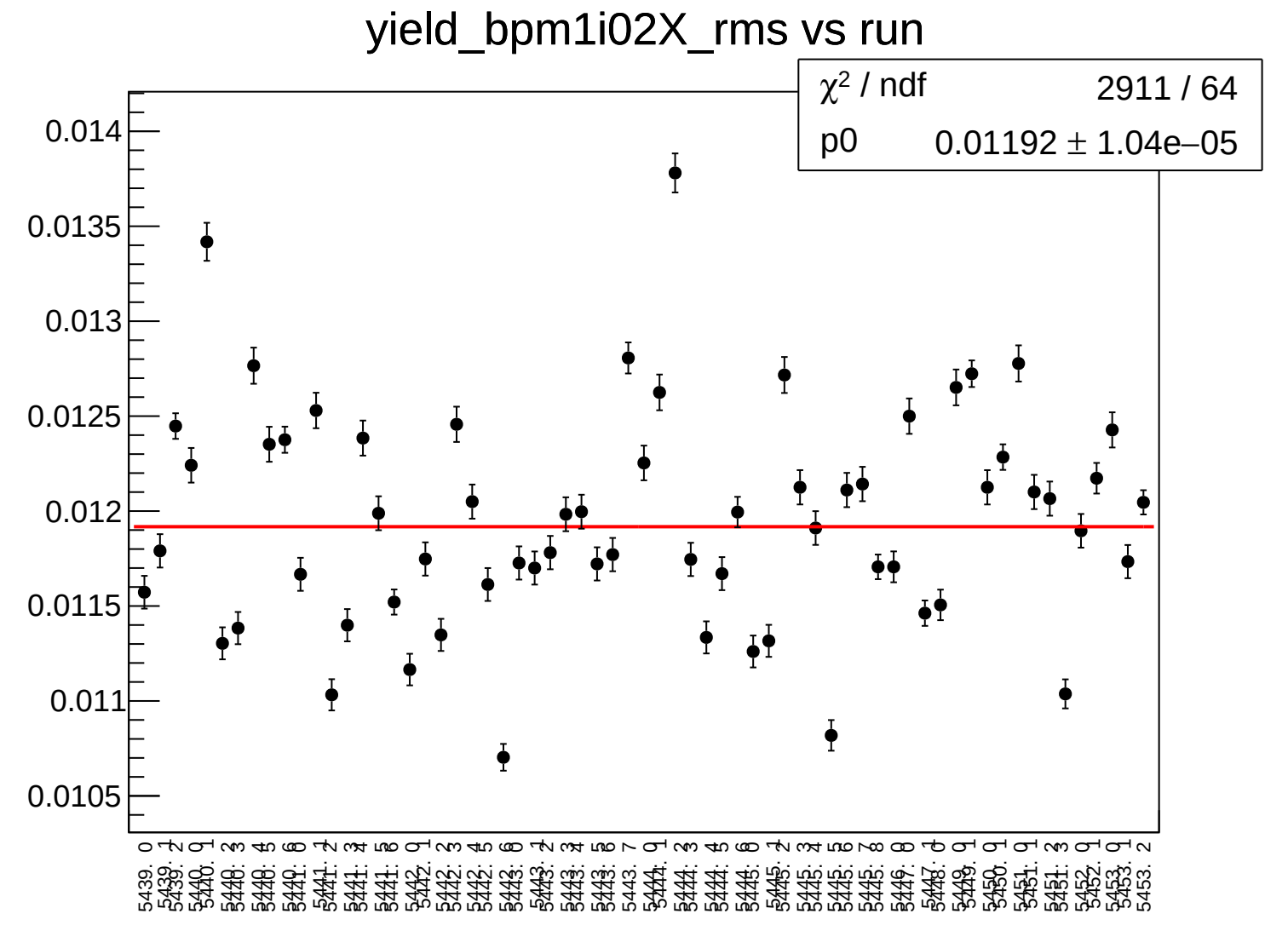

yield_bpm0i07Y_mean vs run
χ² / ndf 3.815e+06 / 64
p0 0.5304 ± 4.53e−06
0.55
0.545
0.54
0.535
0.53
0.525
0.52
0.515
0.51
pull
Entries 65
Mean −226.1
Std Dev 0
600
400
200
0
−200
−400
−600

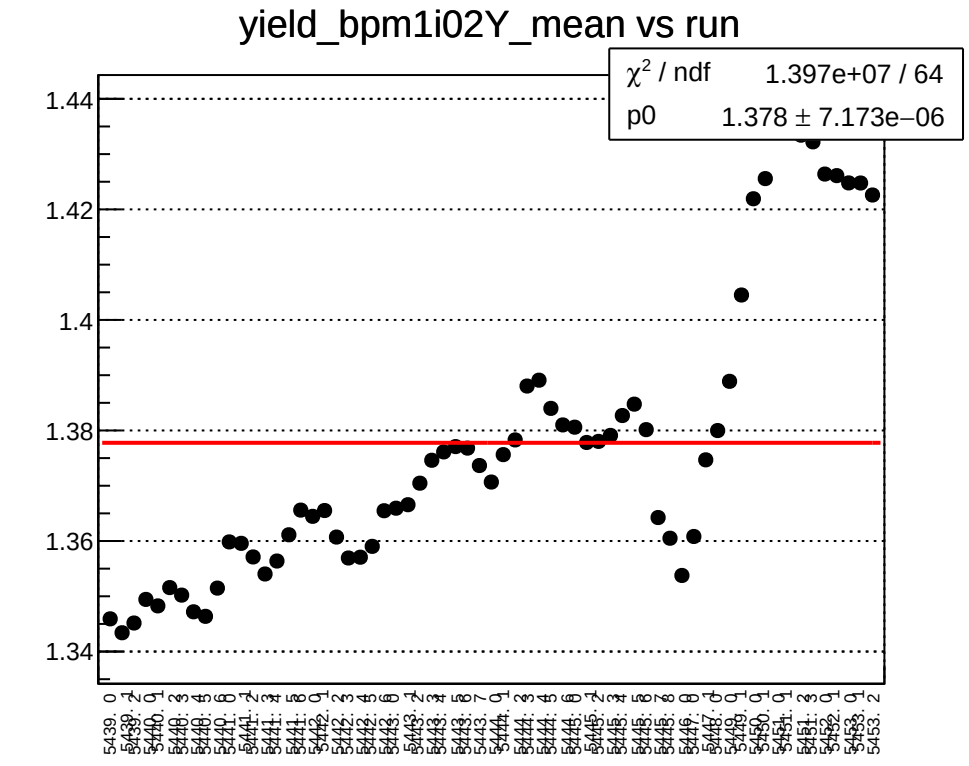

pull1D
Entries 65
Mean 2.849
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

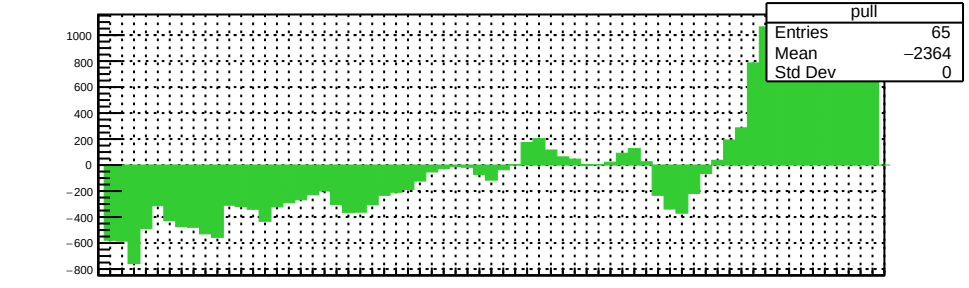

yield_bpm0i07Y_rms vs run
χ² / ndf 5.489e+04 / 64
p0 0.003596 ± 3.203e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

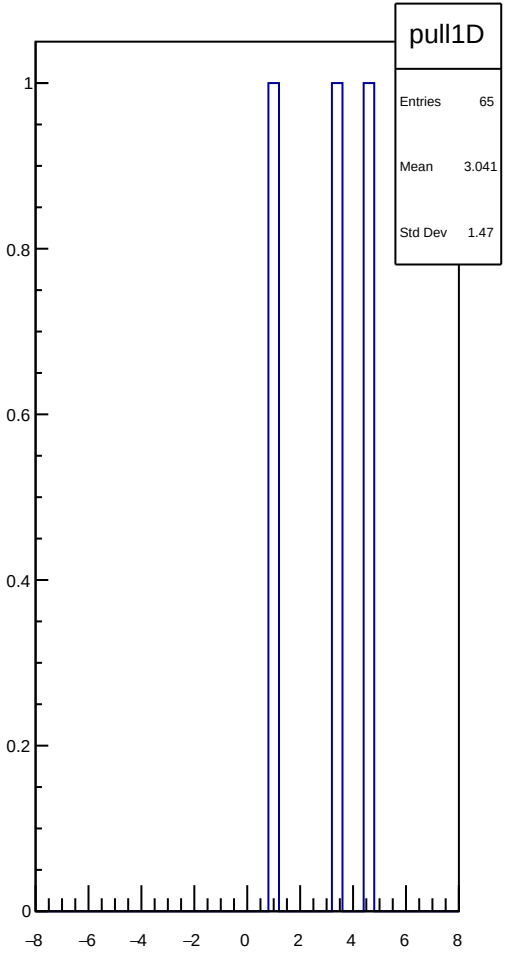

yield_bpm1i02X_mean vs run
χ² / ndf 4.205e+05 / 64
p0 −0.797 ± 1.471e−05
−0.77
−0.78
−0.79
−0.8
−0.81
−0.82
pull
Entries 65
Mean −61.39
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

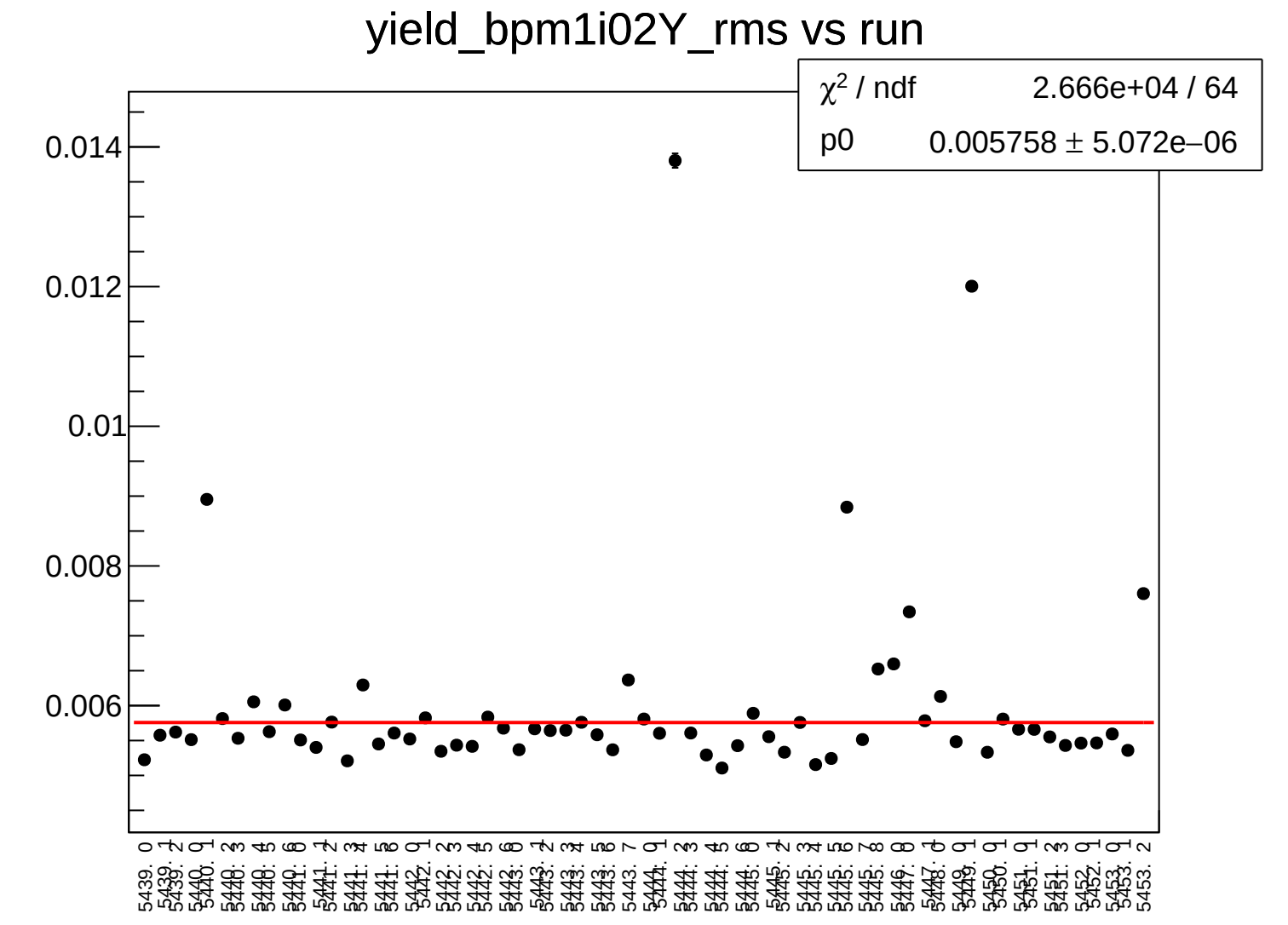

pull1D
Entries 65
Mean 0.5861
Std Dev 4.572
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

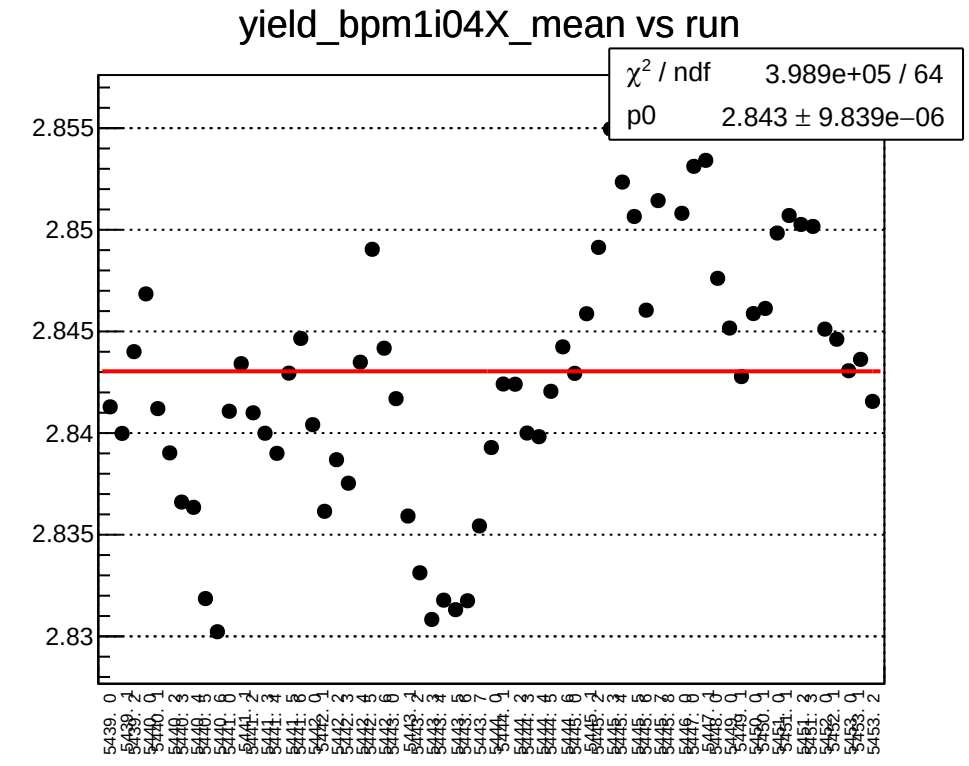

yield_bpm1i02X_rms vs run
χ² / ndf 2911 / 64
p0 0.01192 ± 1.04e−05
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105

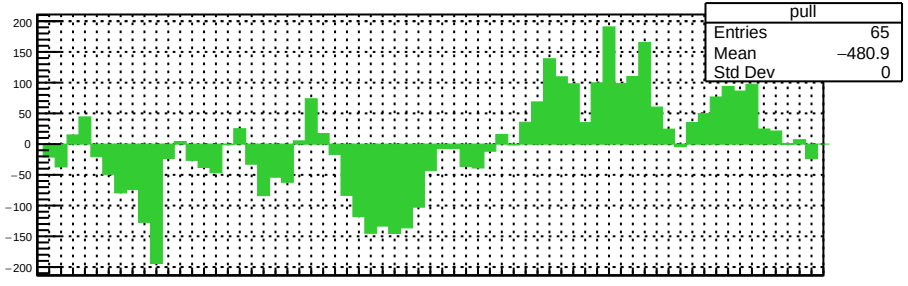

yield_bpm1i02Y_mean vs run
χ² / ndf 1.397e+07 / 64
p0 1.378 ± 7.173e−06
1.44
1.42
1.4
1.38
1.36
1.34

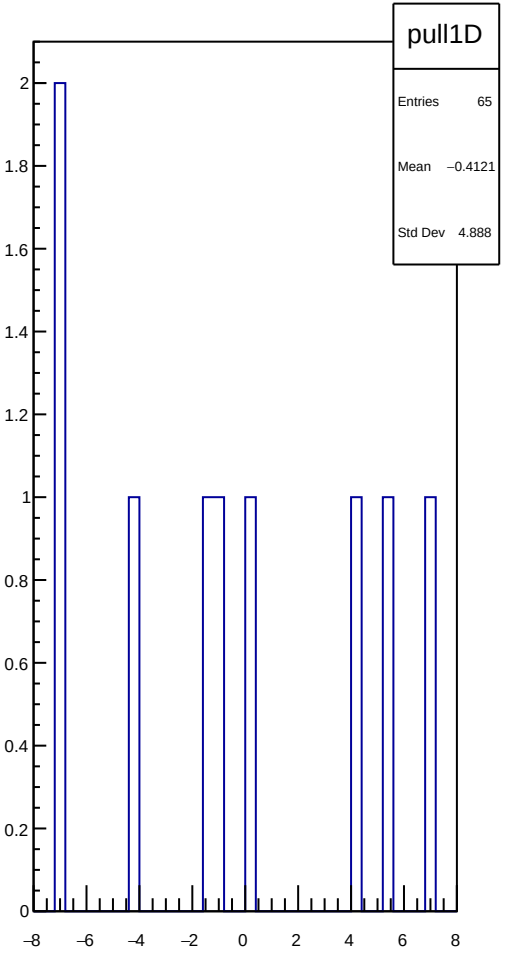

pull
Entries 65
Mean −2364
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

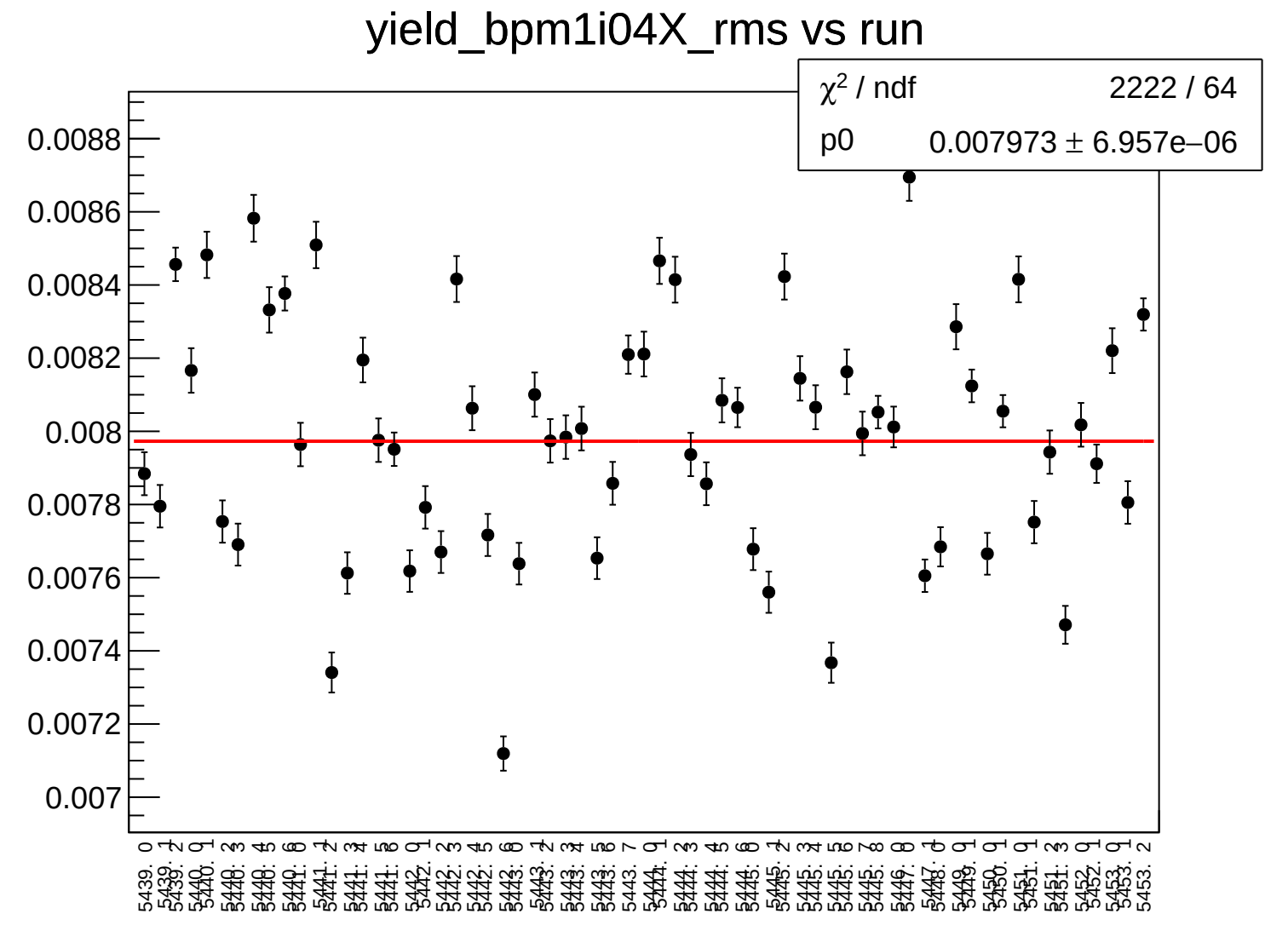

pull1D
Entries 65
Mean 3.041
Std Dev 1.47
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

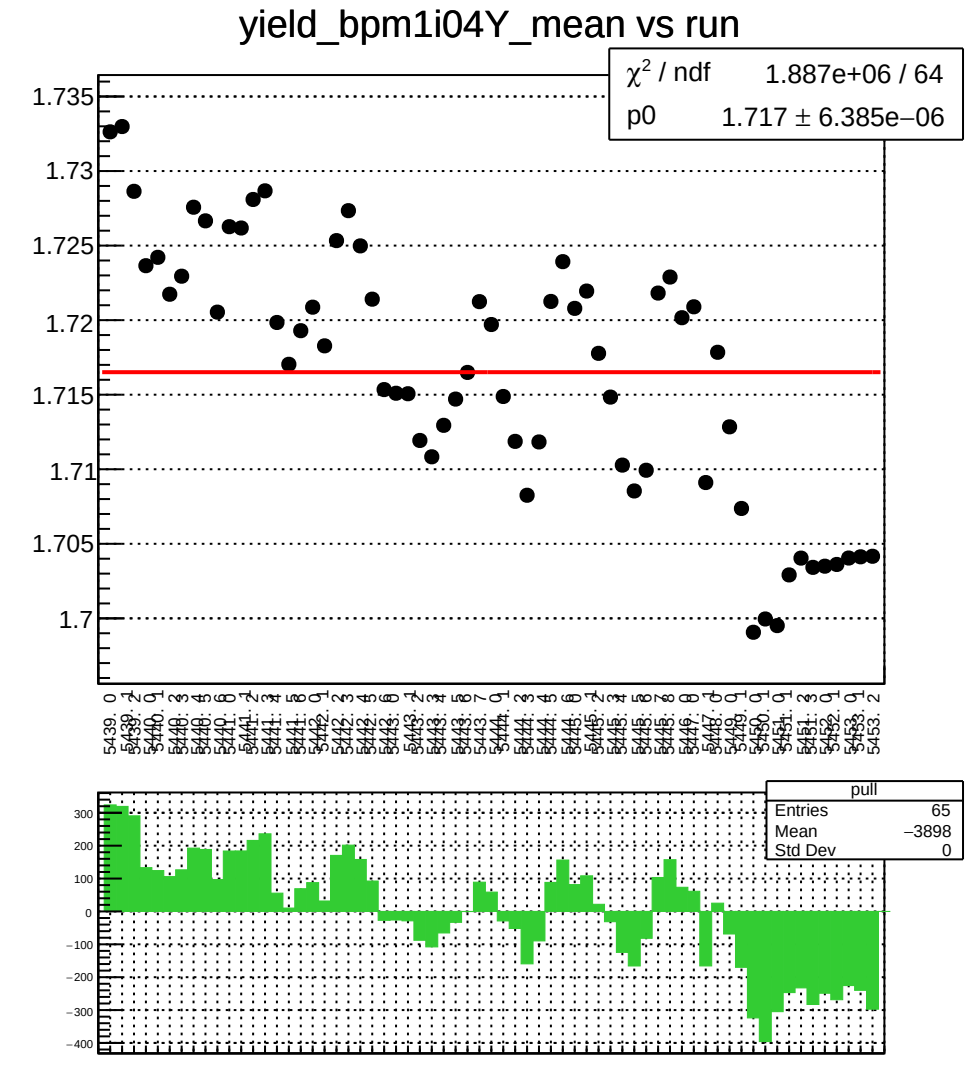

yield_bpm1i02Y_rms vs run
χ² / ndf 2.666e+04 / 64
p0 0.005758 ± 5.072e−06
0.014
0.012
0.01
0.008
0.006

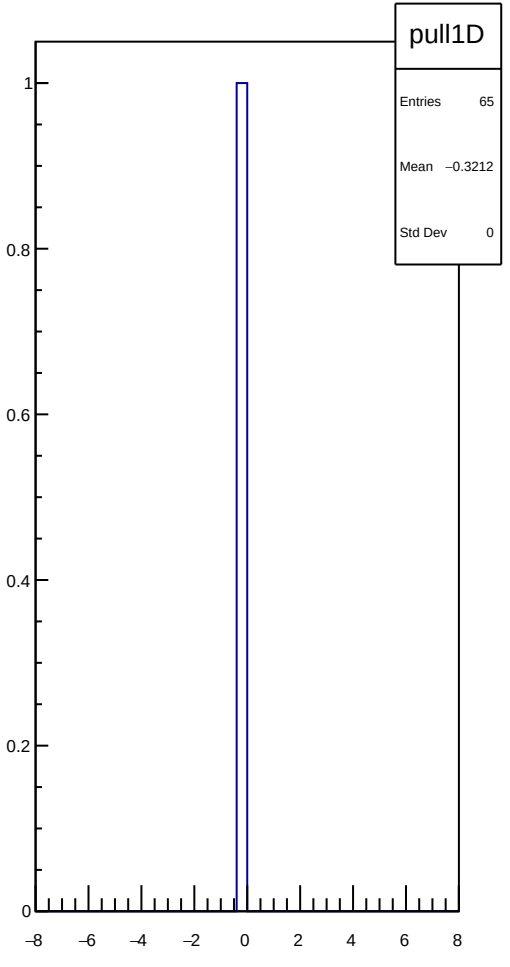

yield_bpm1i04X_mean vs run
χ² / ndf 3.989e+05 / 64
p0 2.843 ± 9.839e−06
2.855
2.85
2.845
2.84
2.835
2.83

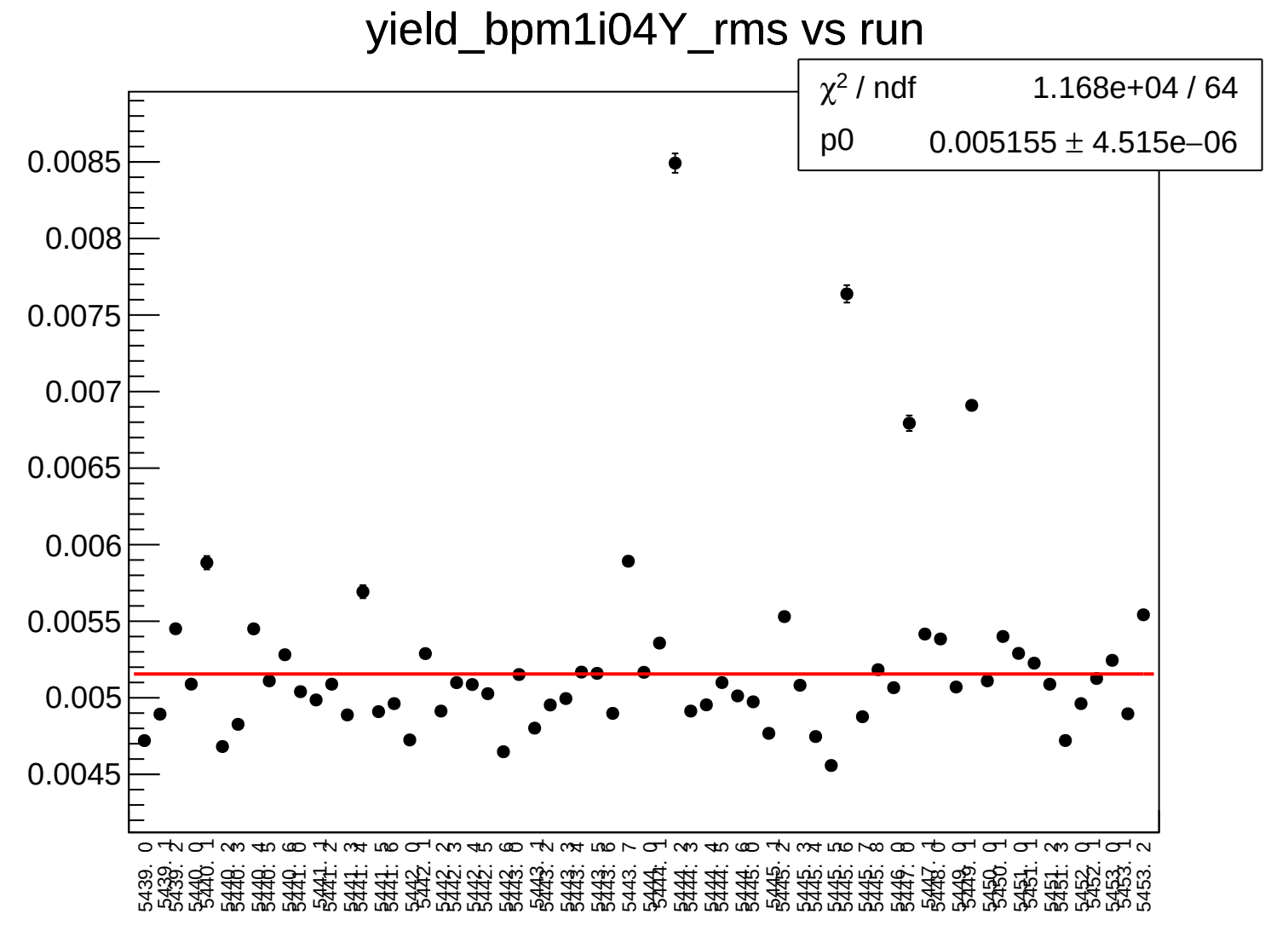

pull
Entries 65
Mean −480.9
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

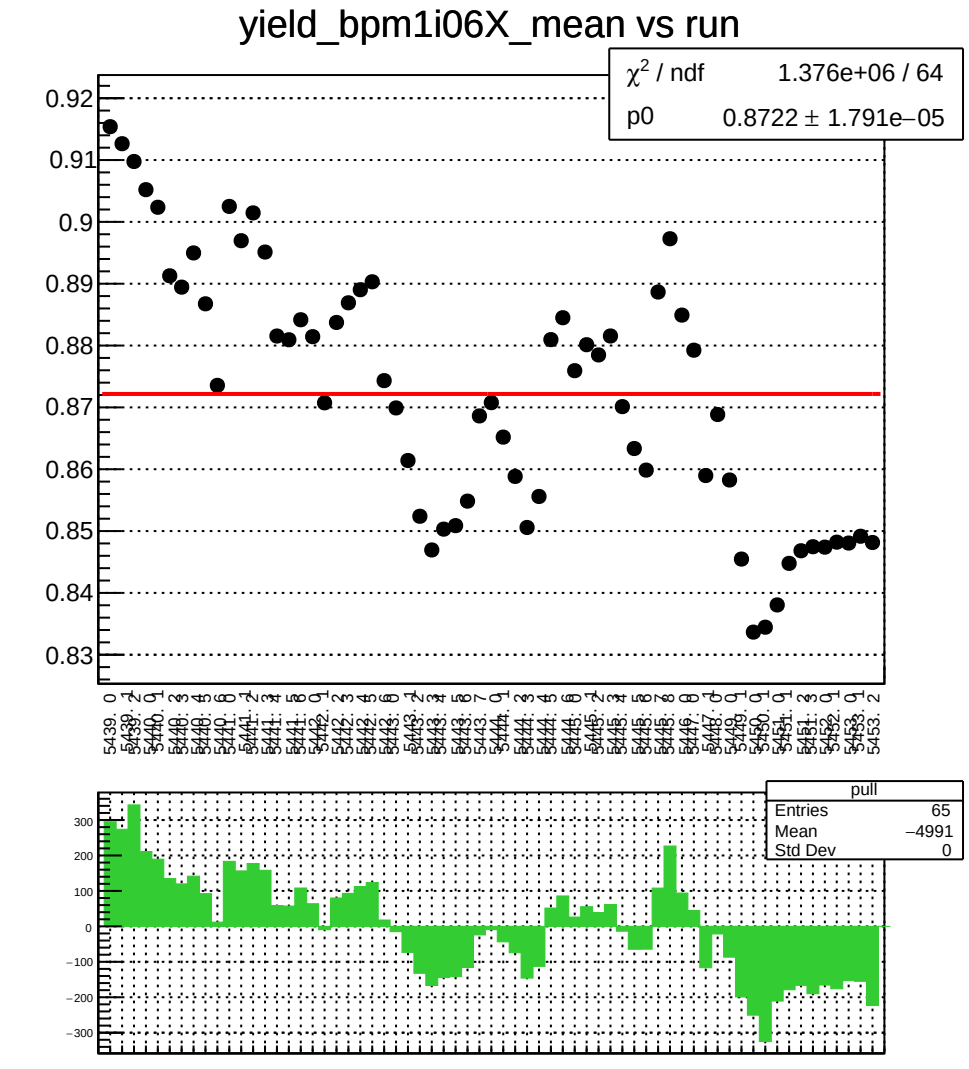

pull1D
Entries 65
Mean −0.4121
Std Dev 4.888
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

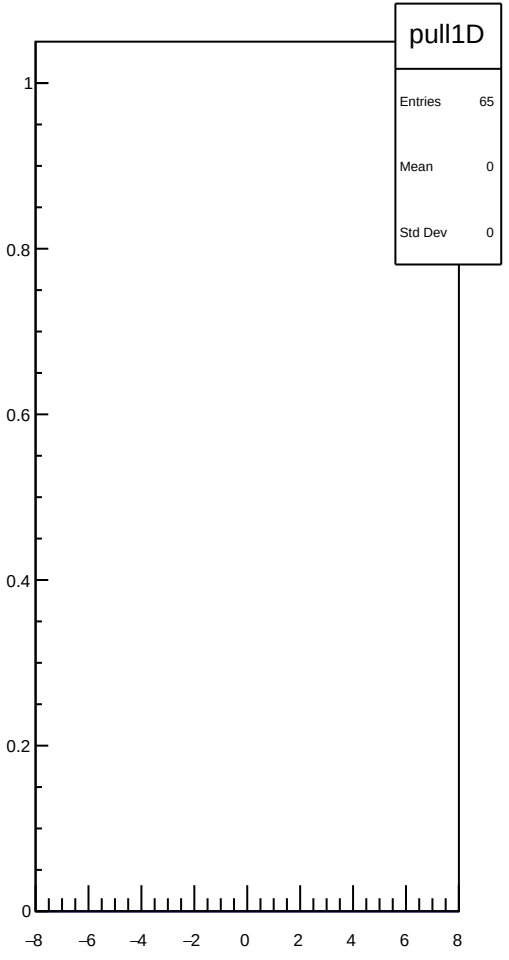

yield_bpm1i04X_rms vs run
χ² / ndf 2222 / 64
p0 0.007973 ± 6.957e−06
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007

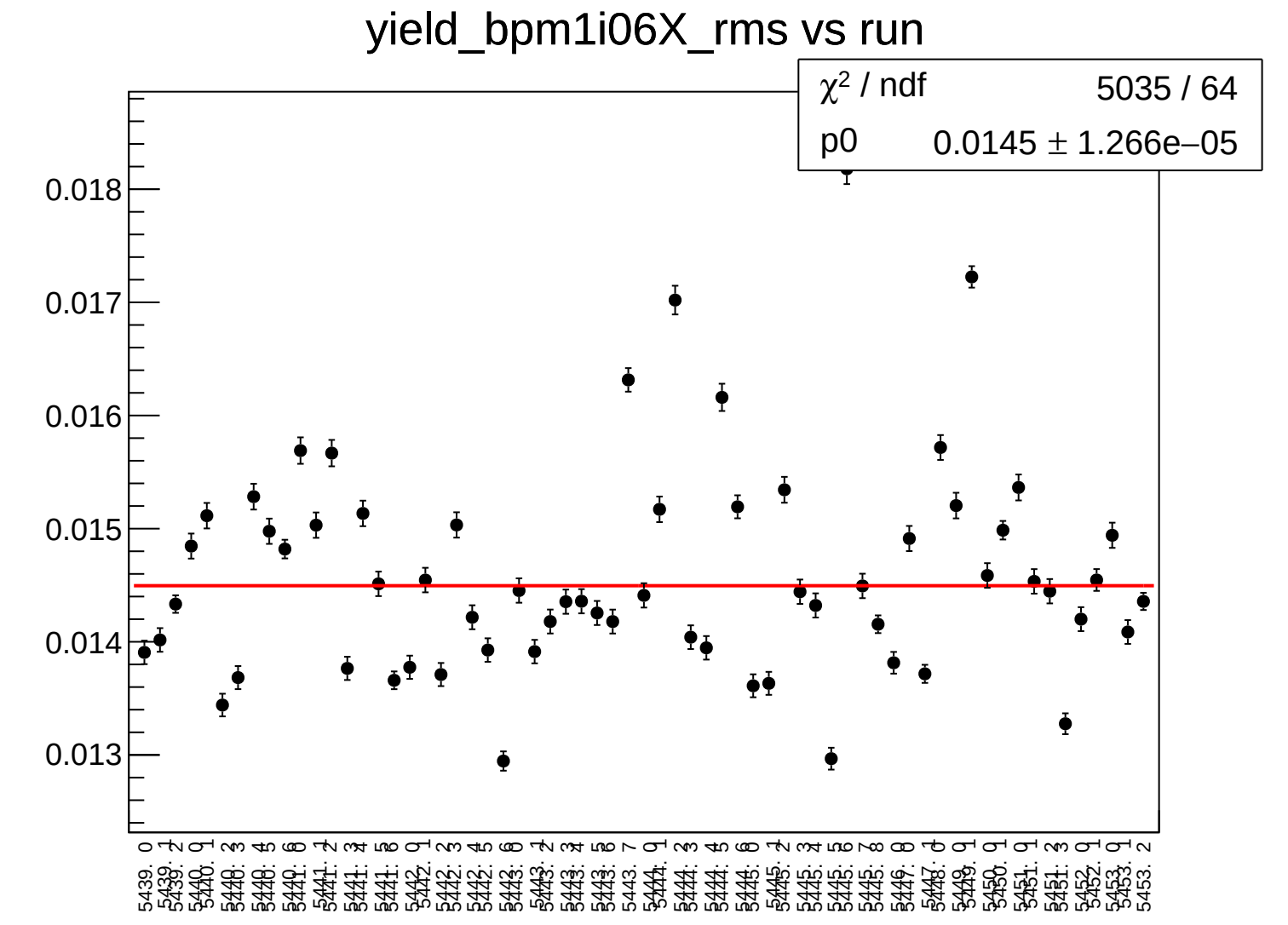

yield_bpm1i04Y_mean vs run
χ² / ndf 1.887e+06 / 64
p0 1.717 ± 6.385e−06
1.735
1.73
1.725
1.72
1.715
1.71
1.705
1.7
pull
Entries 65
Mean −3898
Std Dev 0
300
200
100
0
−100
−200
−300
−400

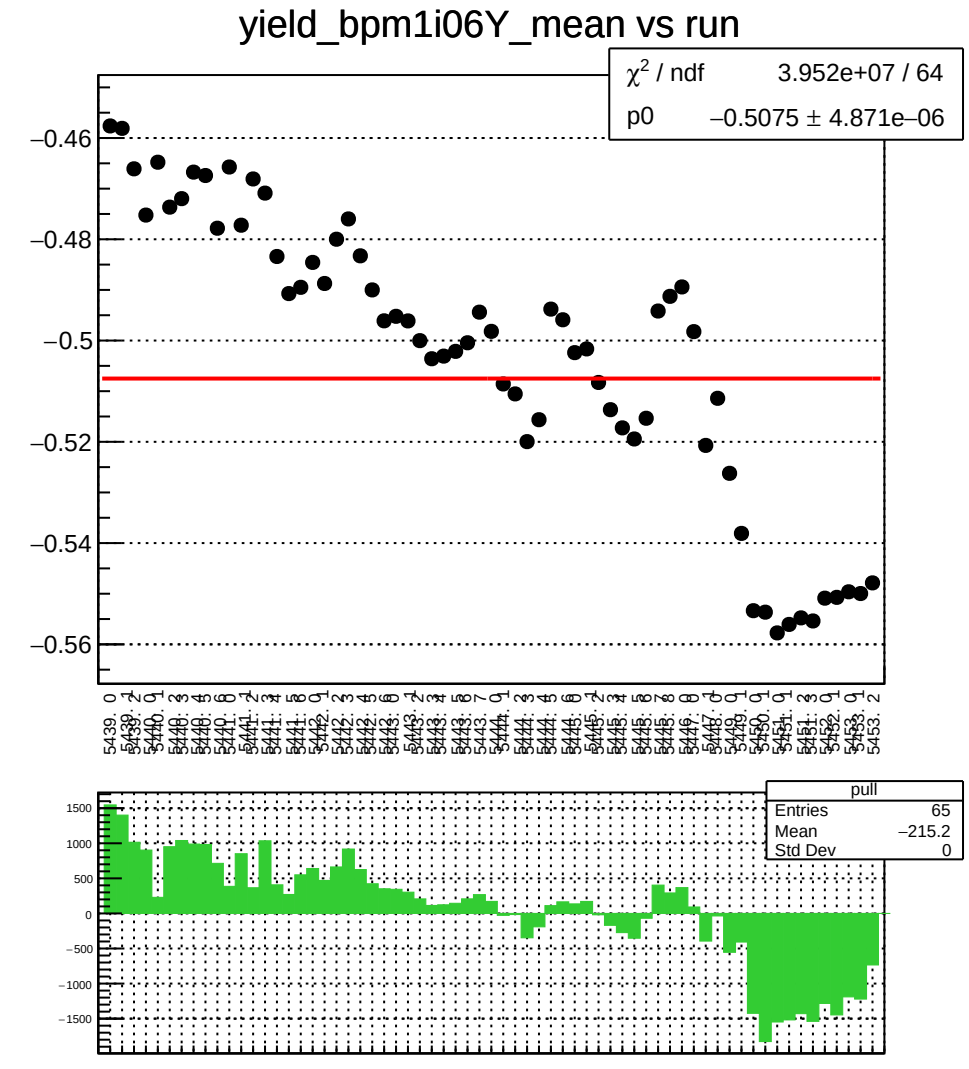

pull1D
Entries 65
Mean −0.3212
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

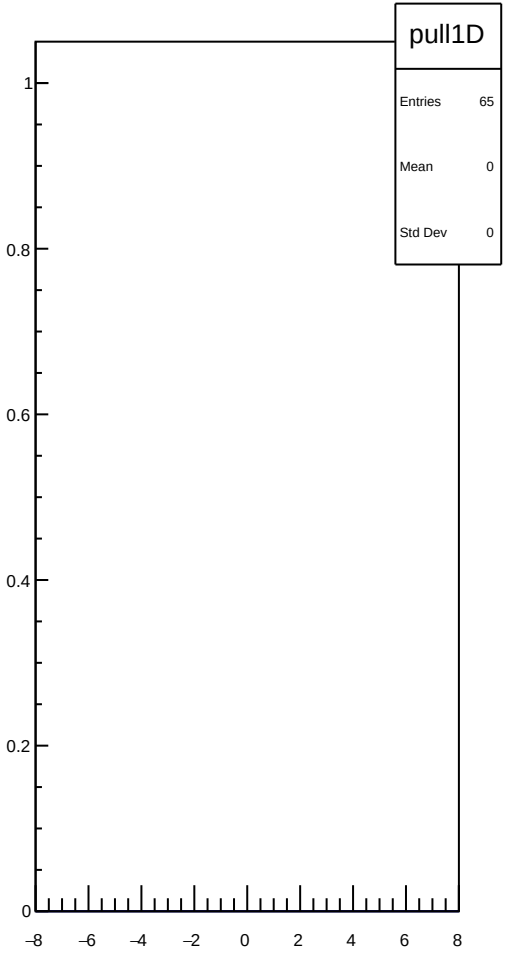

yield_bpm1i04Y_rms vs run
χ² / ndf 1.168e+04 / 64
p0 0.005155 ± 4.515e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045

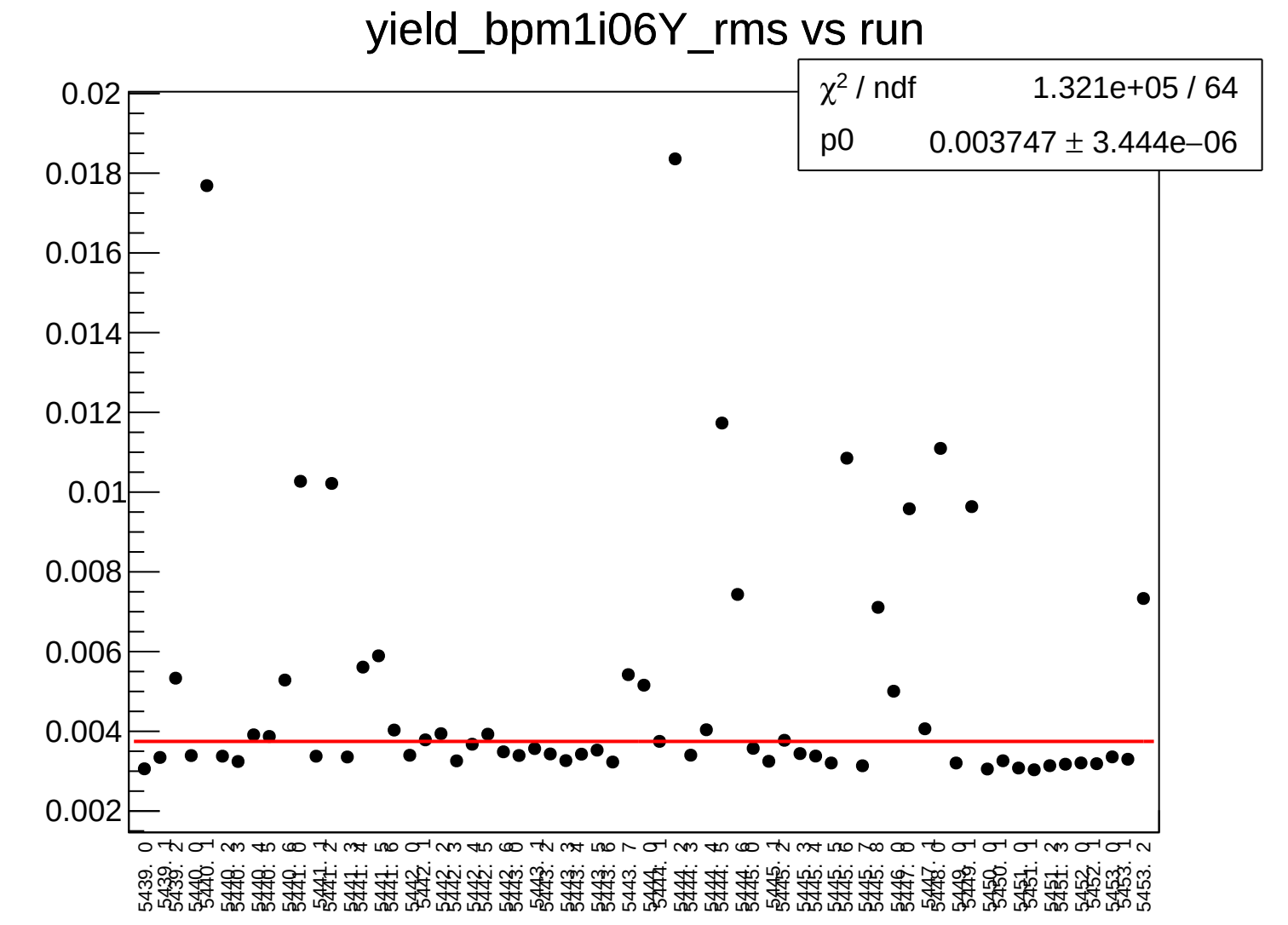

yield_bpm1i06X_mean vs run
χ² / ndf 1.376e+06 / 64
p0 0.8722 ± 1.791e−05
pull
Entries 65
Mean −4991
Std Dev 0

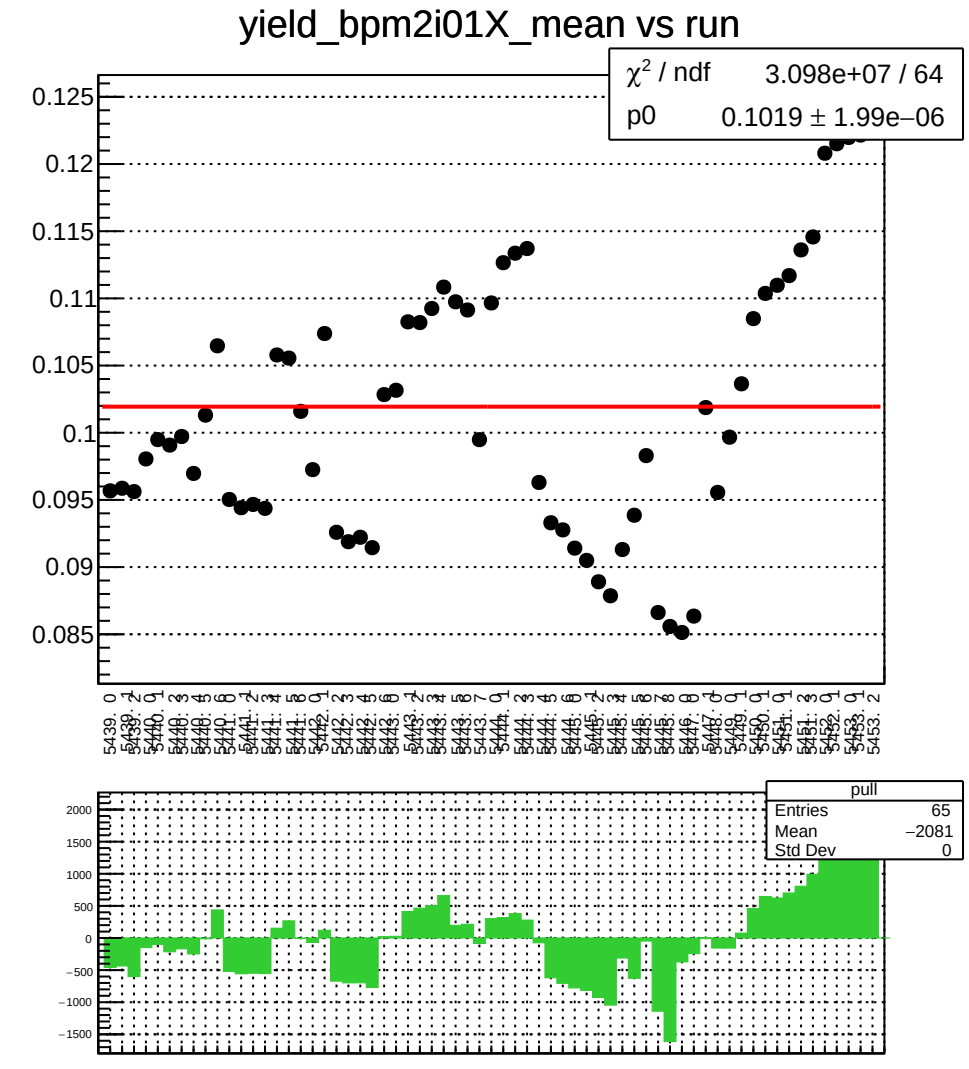

pull1D
Entries 65
Mean 0
Std Dev 0

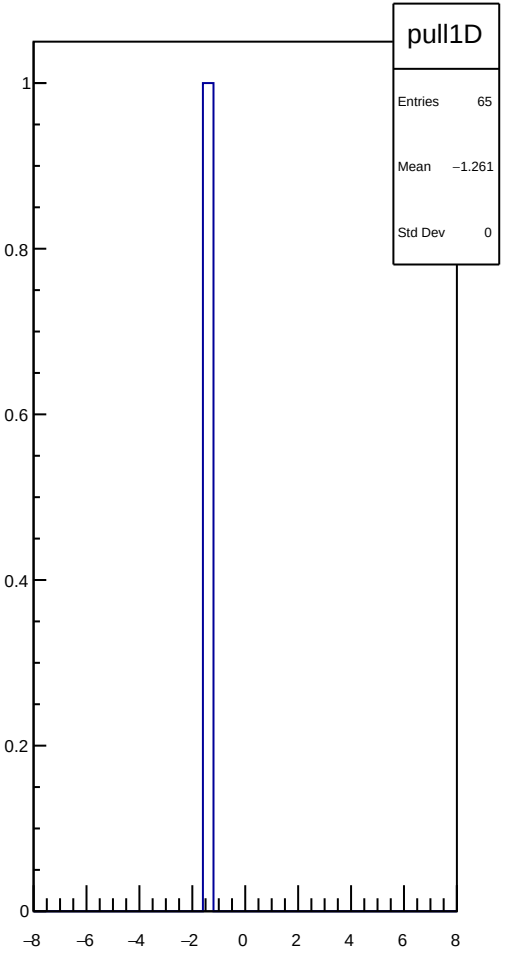

yield_bpm1i06X_rms vs run
χ² / ndf 5035 / 64
p0 0.0145 ± 1.266e−05
0.018
0.017
0.016
0.015
0.014
0.013

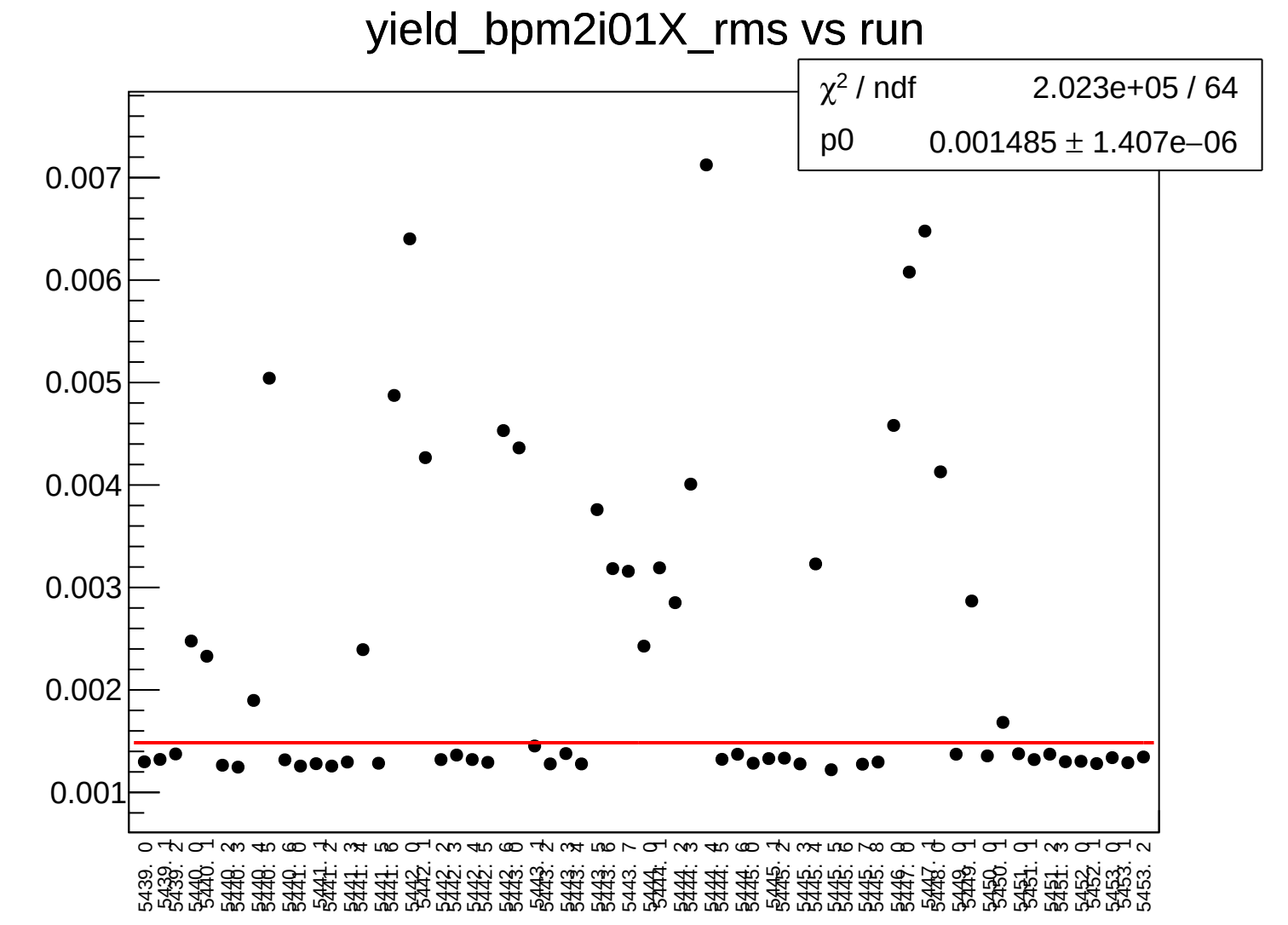

yield_bpm1i06Y_mean vs run
χ² / ndf 3.952e+07 / 64
p0 −0.5075 ± 4.871e−06
−0.46
−0.48
−0.5
−0.52
−0.54
−0.56
pull
Entries 65
Mean −215.2
Std Dev 0
1500
1000
500
0
−500
−1000
−1500

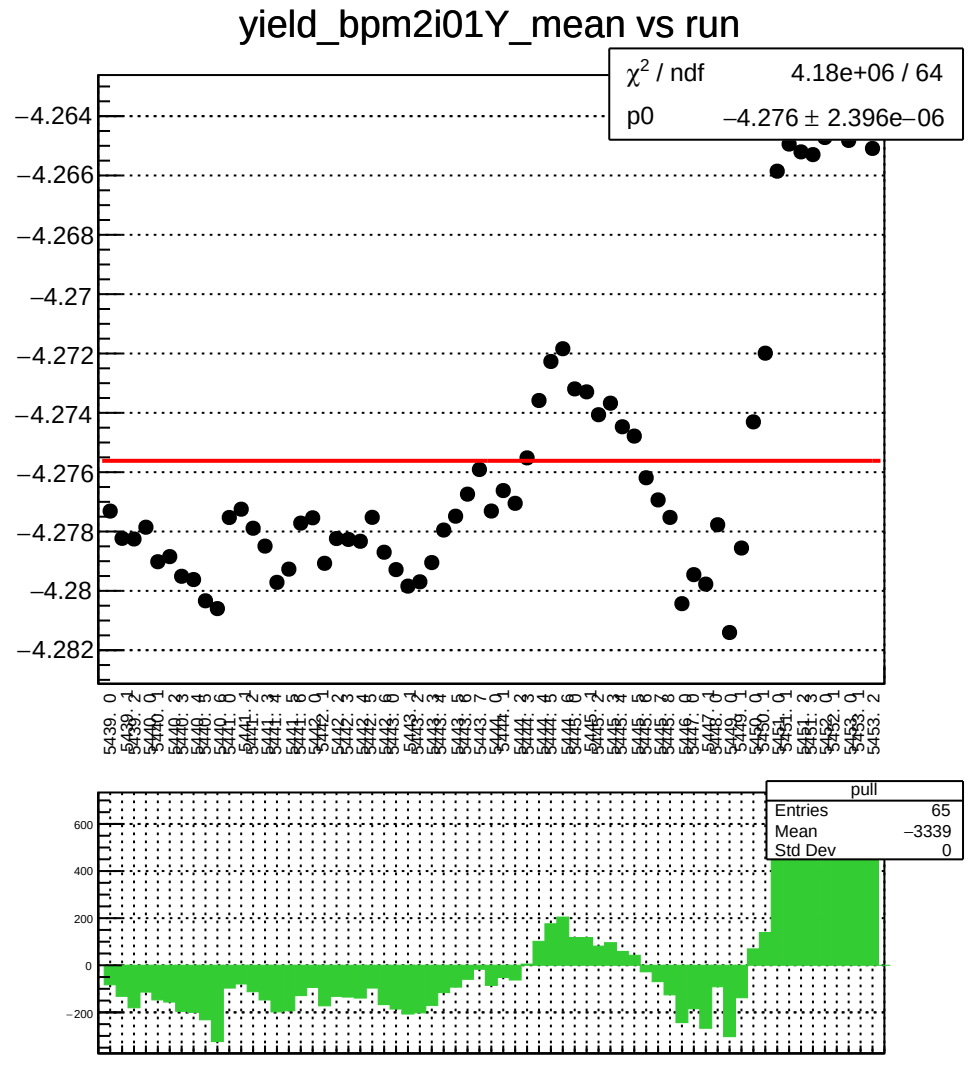

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

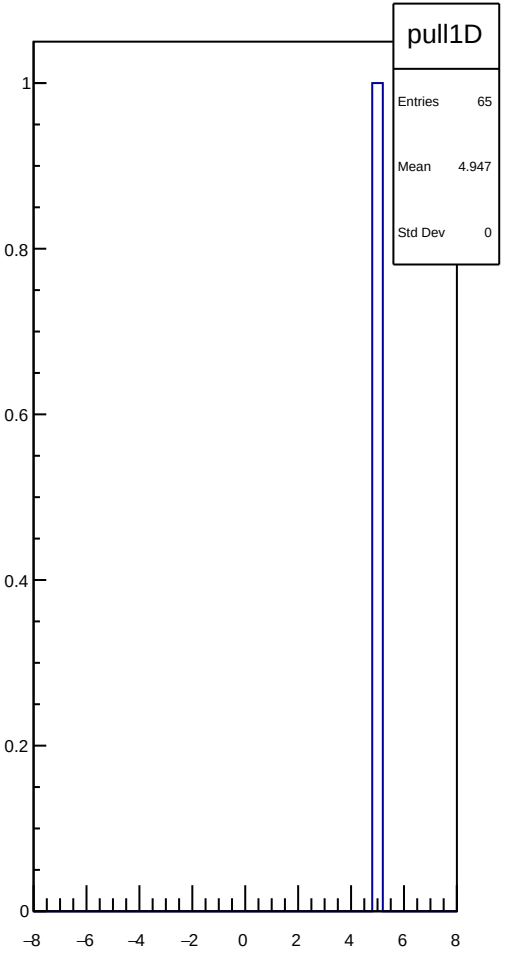

yield_bpm1i06Y_rms vs run
χ² / ndf 1.321e+05 / 64
p0 0.003747 ± 3.444e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

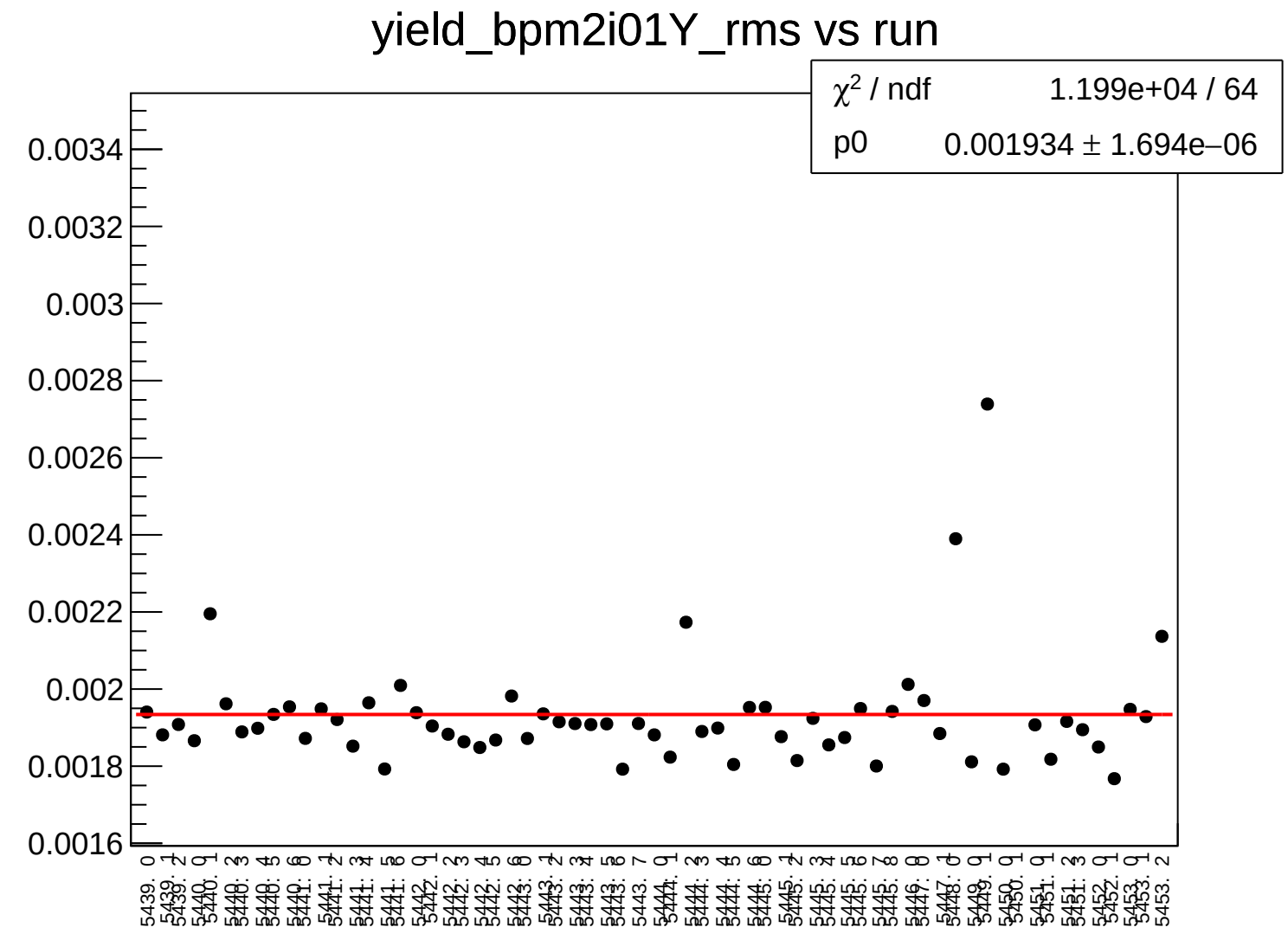

yield_bpm2i01X_mean vs run
χ² / ndf 3.098e+07 / 64
p0 0.1019 ± 1.99e−06
0.125
0.12
0.115
0.11
0.105
0.1
0.095
0.09
0.085
pull
Entries 65
Mean −2081
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500

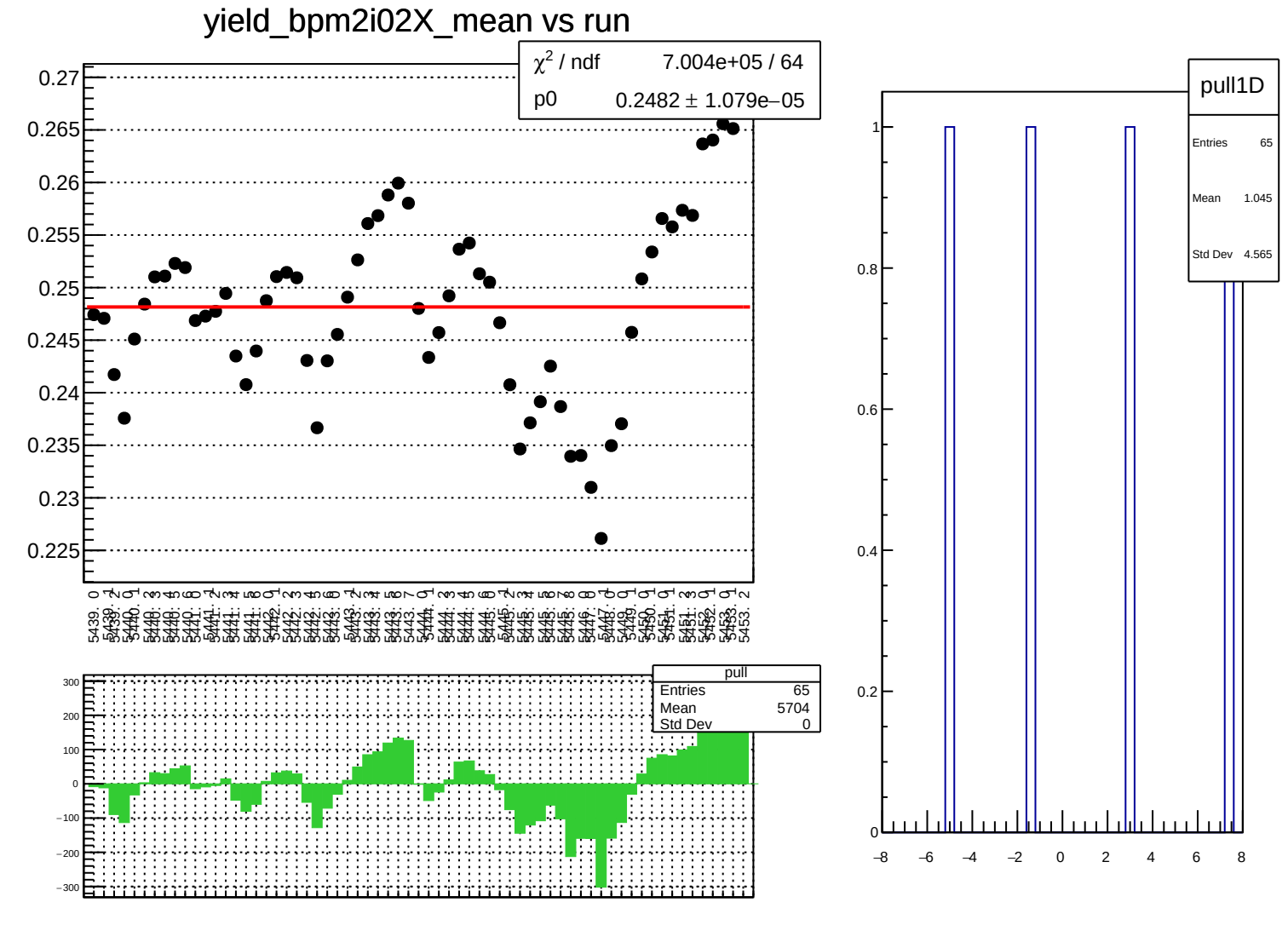

pull1D
Entries 65
Mean −1.261
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

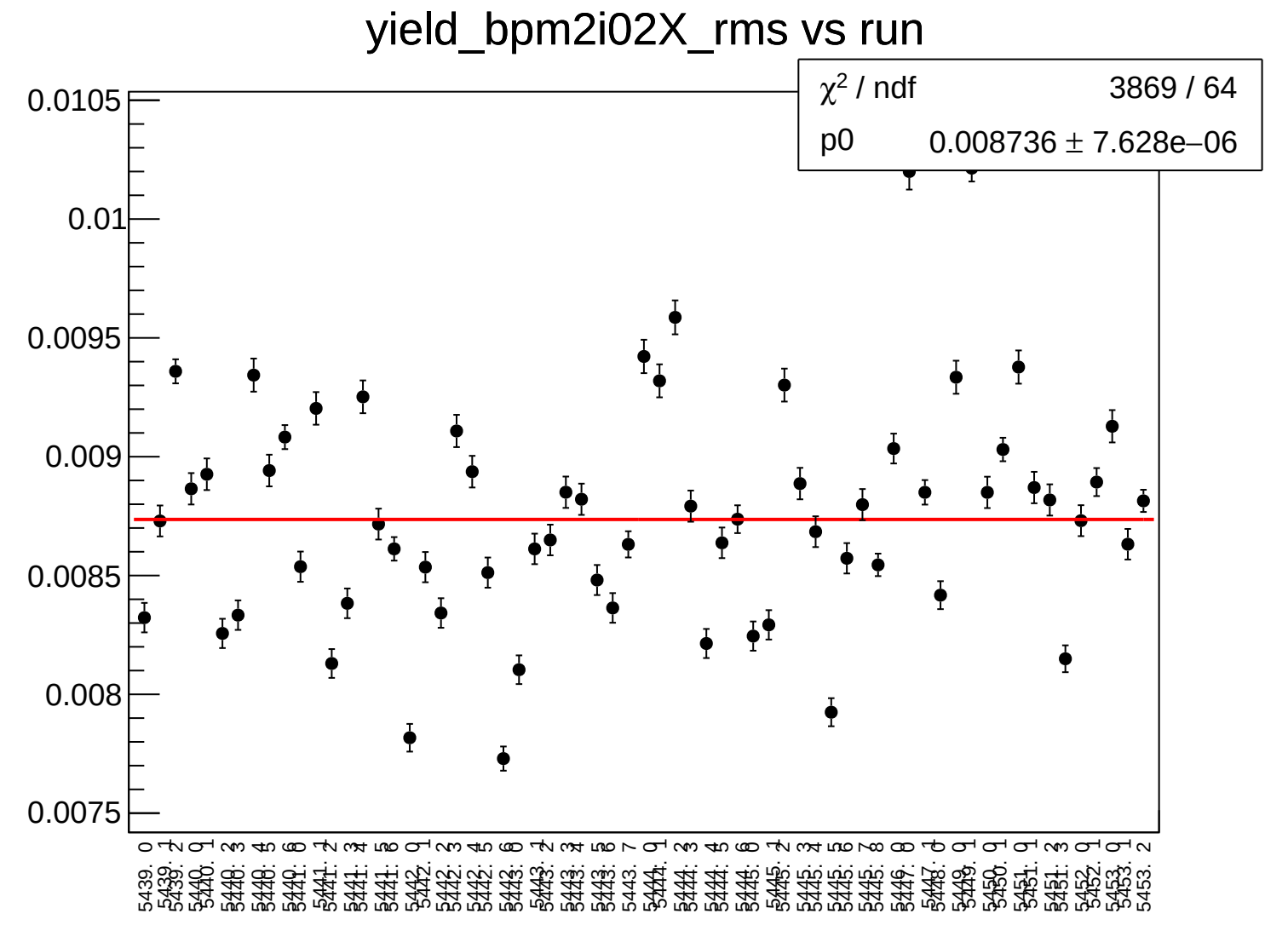

yield_bpm2i01X_rms vs run
χ² / ndf 2.023e+05 / 64
p0 0.001485 ± 1.407e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001

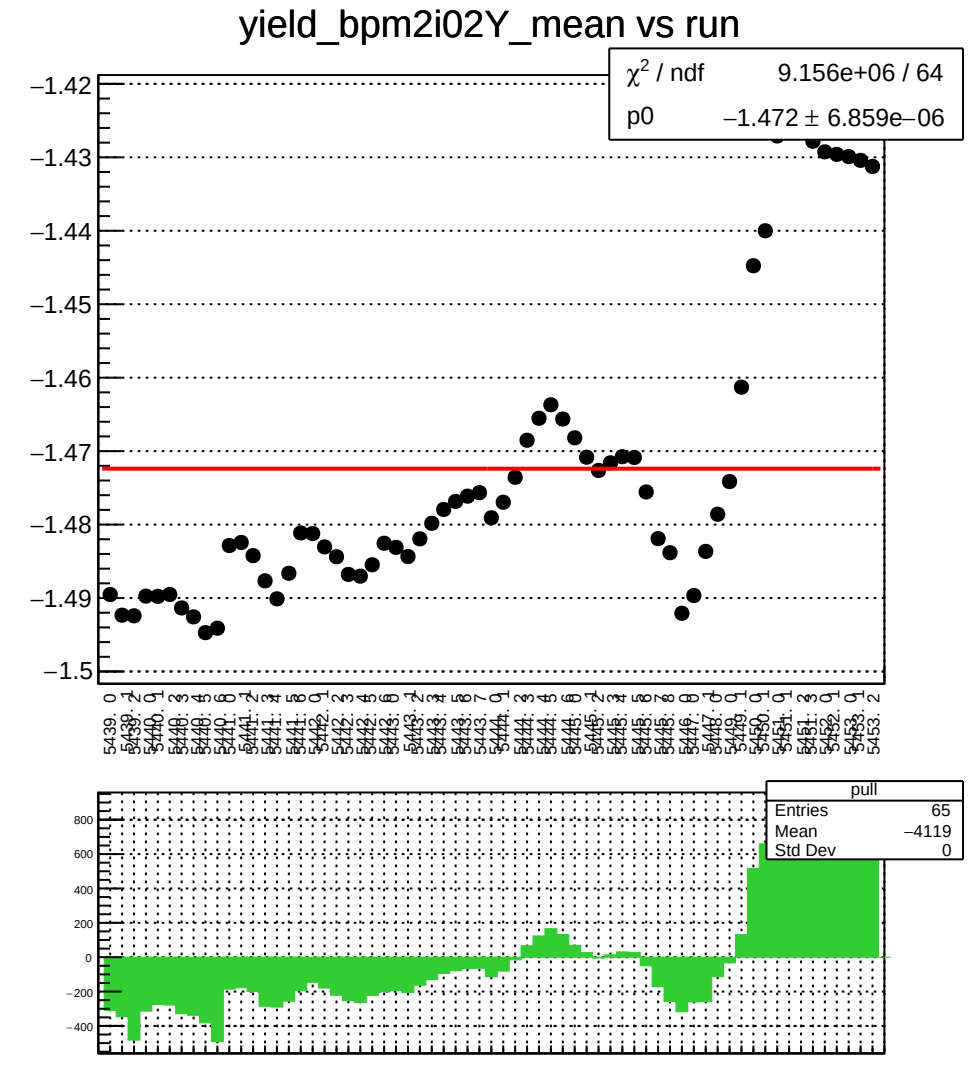

yield_bpm2i01Y_mean vs run
χ² / ndf 4.18e+06 / 64
p0 −4.276 ± 2.396e−06
−4.264
−4.266
−4.268
−4.27
−4.272
−4.274
−4.276
−4.278
−4.28
−4.282
pull
Entries 65
Mean −3339
Std Dev 0
600
400
200
0
−200

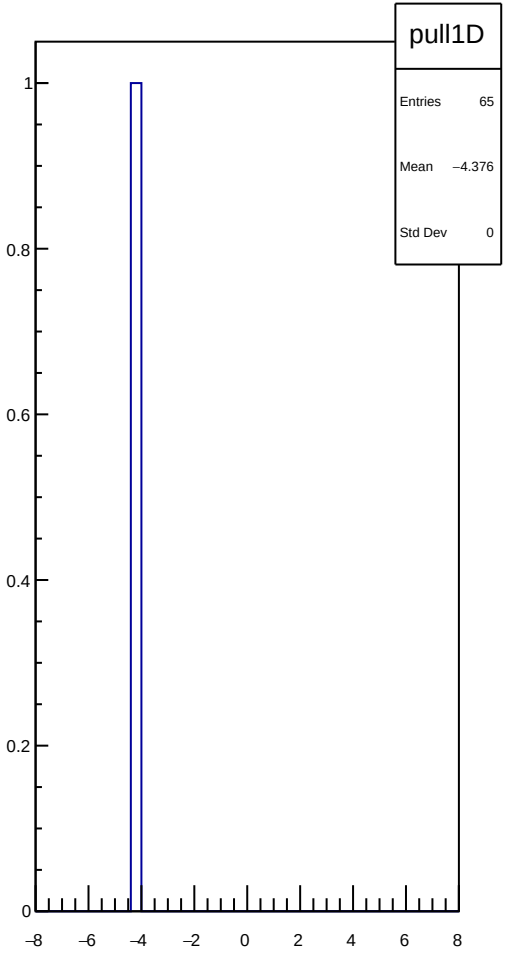

pull1D
Entries 65
Mean 4.947
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

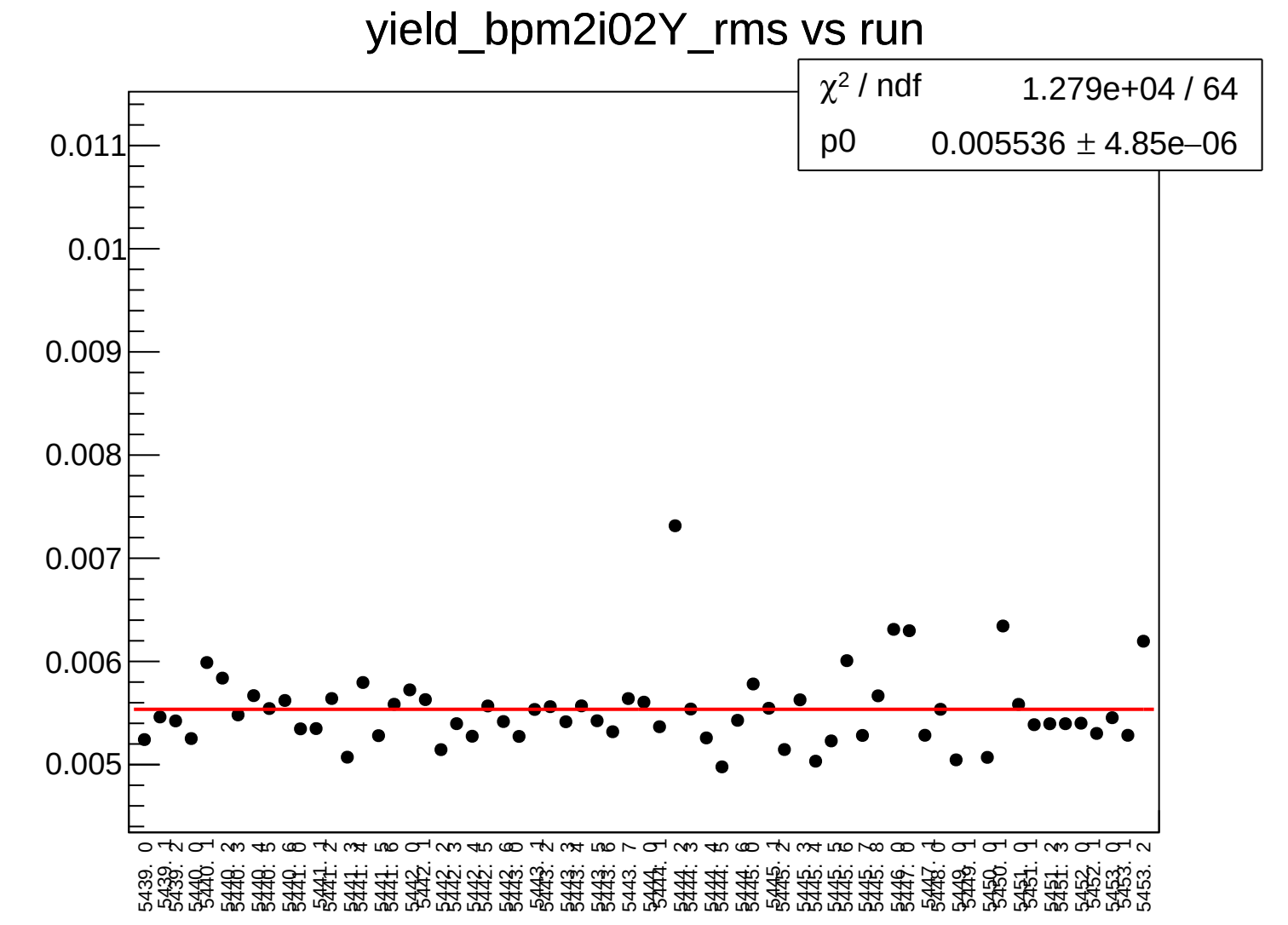

yield_bpm2i01Y_rms vs run
χ² / ndf 1.199e+04 / 64
p0 0.001934 ± 1.694e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016

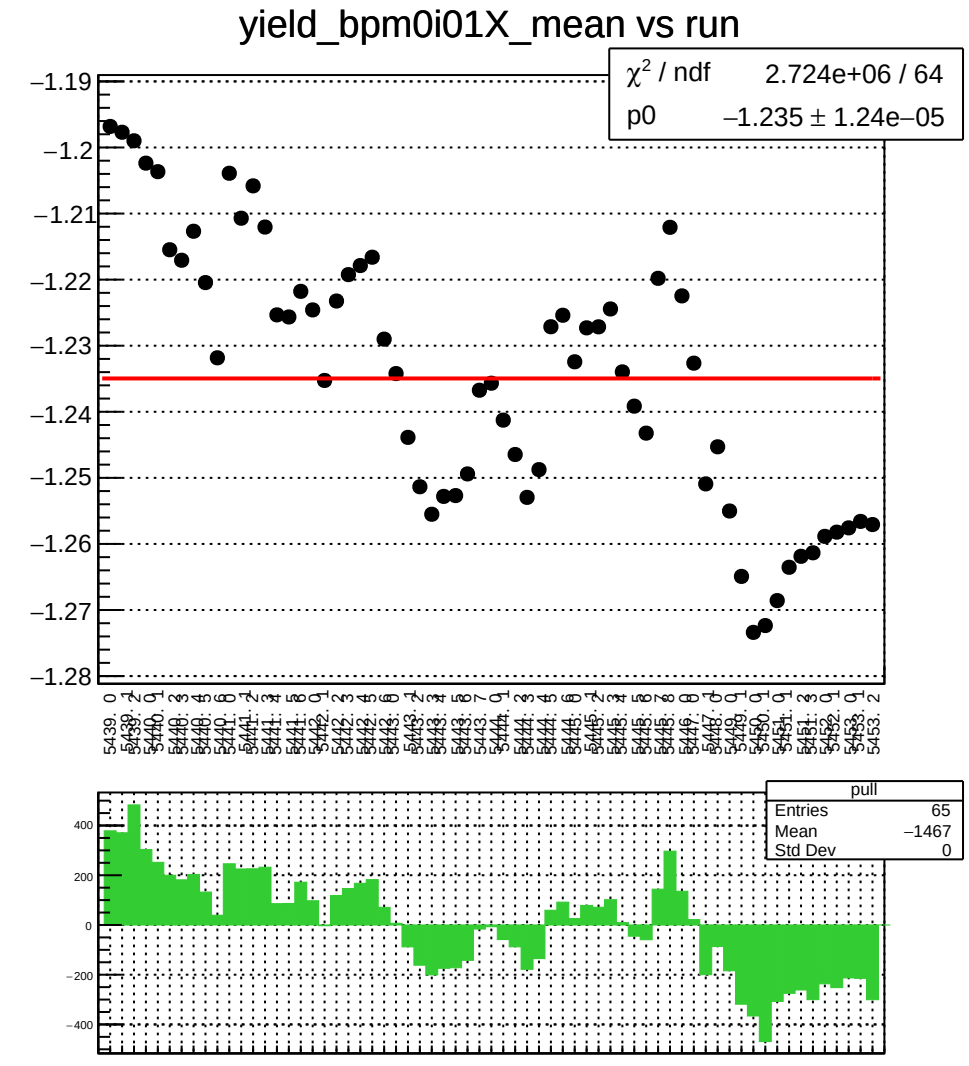

yield_bpm2i02X_mean vs run
χ² / ndf 7.004e+05 / 64
p0 0.2482 ± 1.079e−05
pull
Entries 65
Mean 5704
Std Dev 0
pull1D
Entries 65
Mean 1.045
Std Dev 4.565

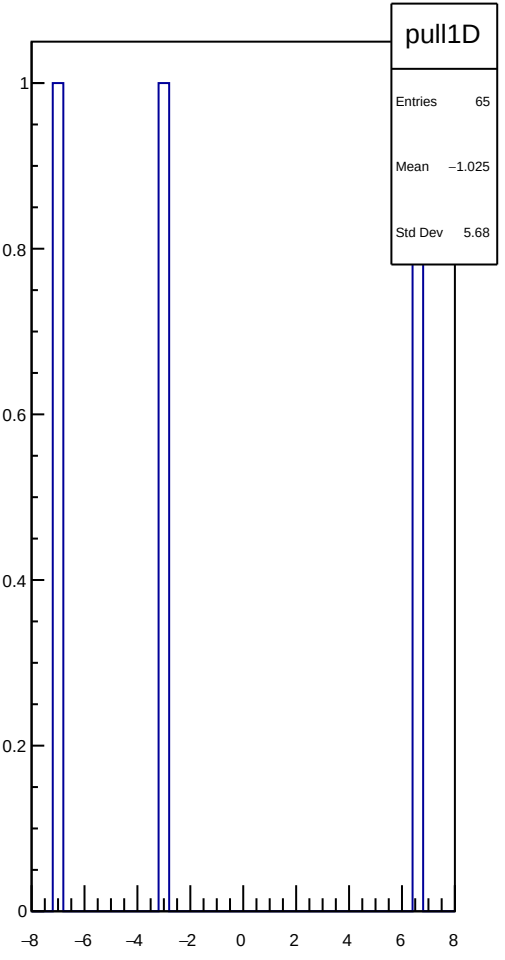

yield_bpm2i02X_rms vs run
χ² / ndf 3869 / 64
p0 0.008736 ± 7.628e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075

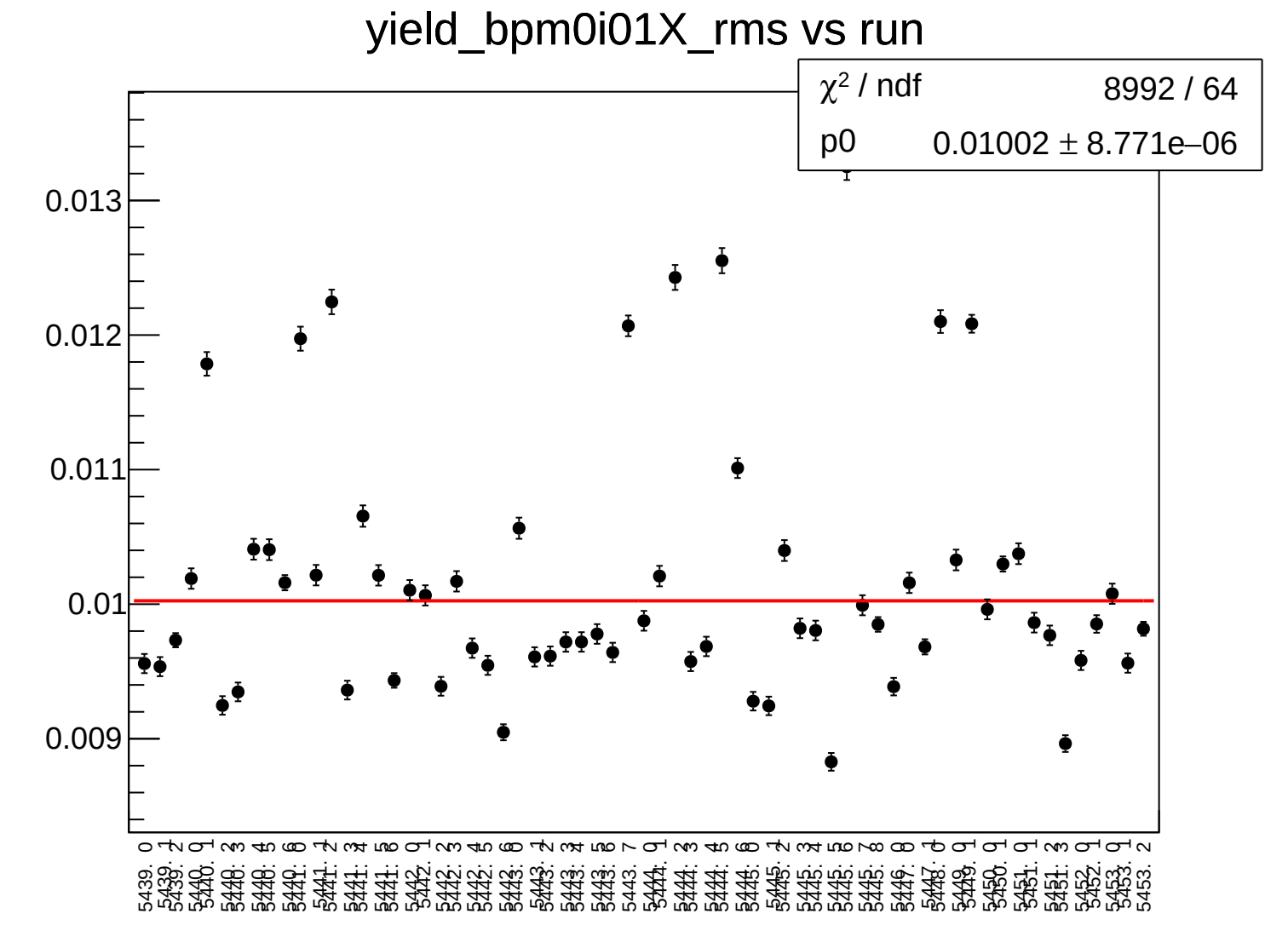

yield_bpm2i02Y_mean vs run
χ² / ndf 9.156e+06 / 64
p0 −1.472 ± 6.859e−06
−1.42
−1.43
−1.44
−1.45
−1.46
−1.47
−1.48
−1.49
−1.5
pull
Entries 65
Mean −4119
Std Dev 0
800
600
400
200
0
−200
−400

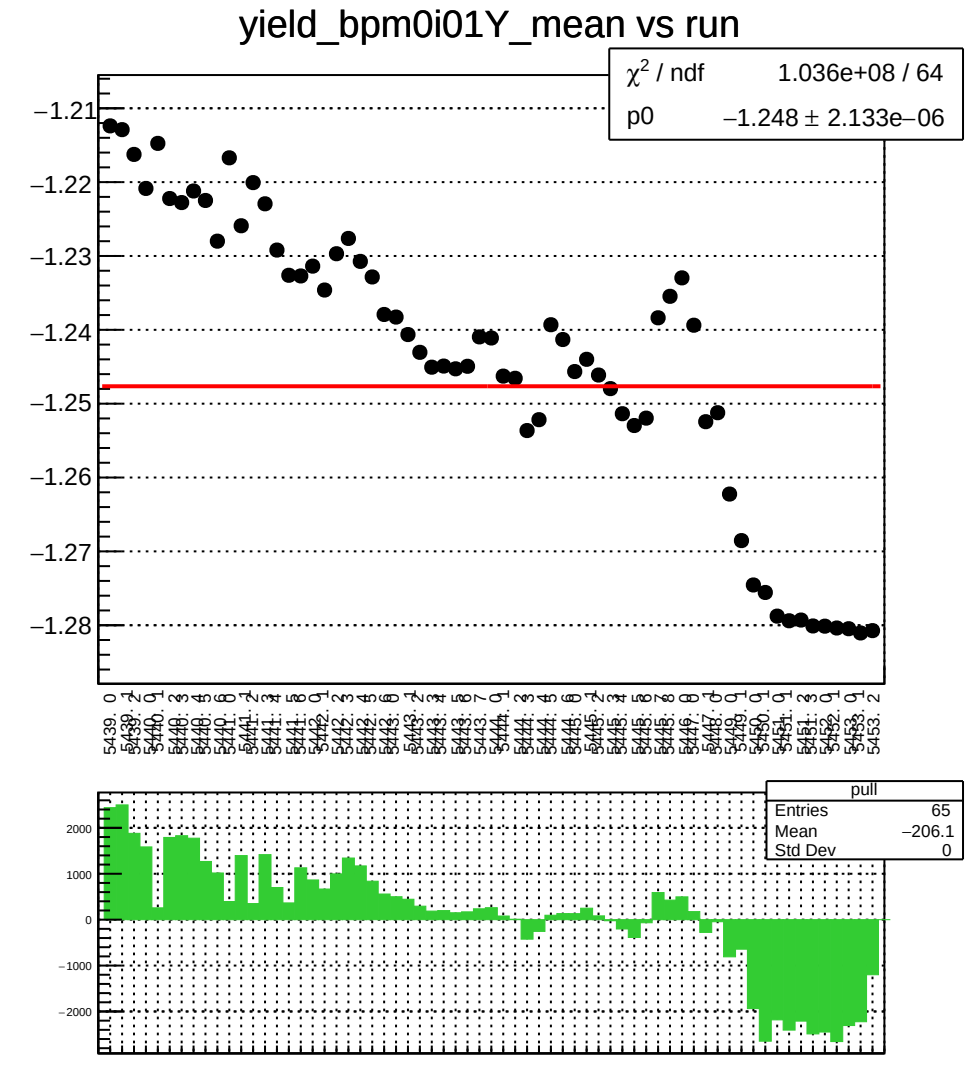

pull1D
Entries 65
Mean −4.376
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

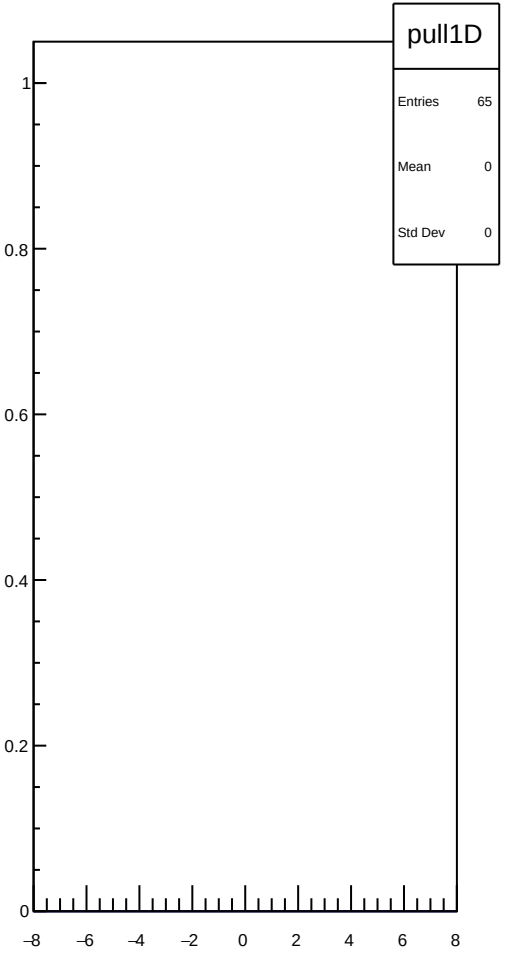

yield_bpm2i02Y_rms vs run
χ² / ndf 1.279e+04 / 64
p0 0.005536 ± 4.85e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005

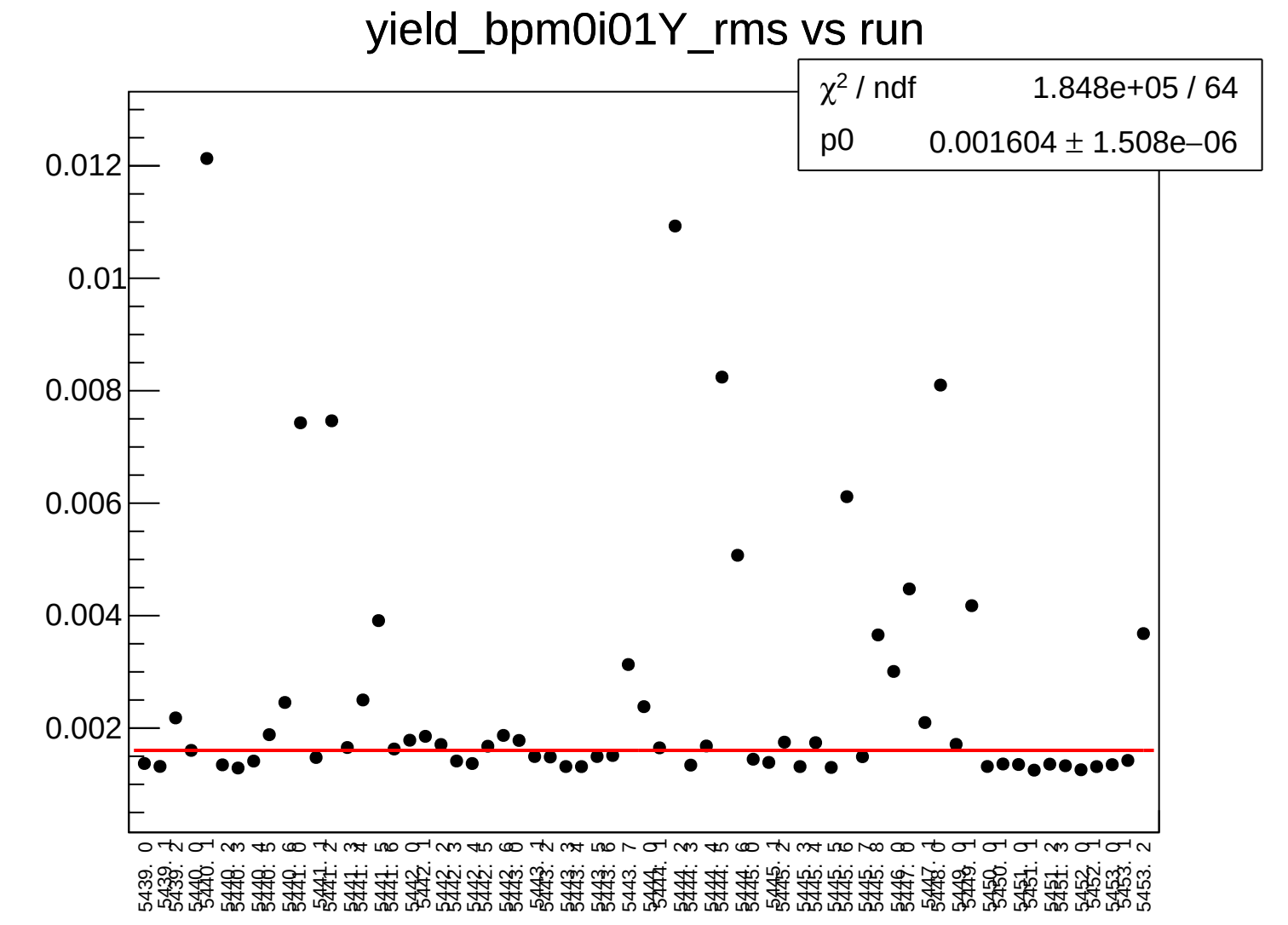

yield_bpm0i01X_mean vs run
χ² / ndf 2.724e+06 / 64
p0 −1.235 ± 1.24e−05
pull
Entries 65
Mean −1467
Std Dev 0

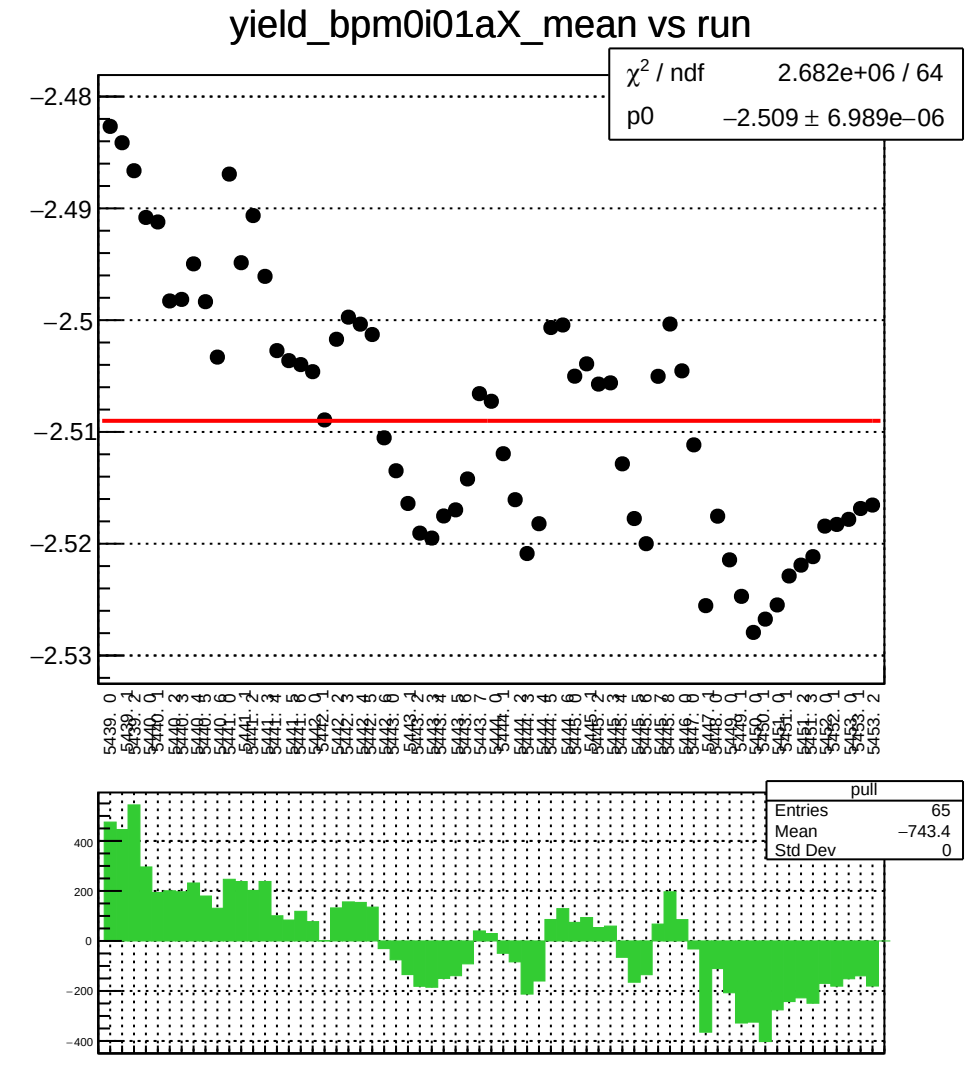

pull1D
Entries 65
Mean −1.025
Std Dev 5.68

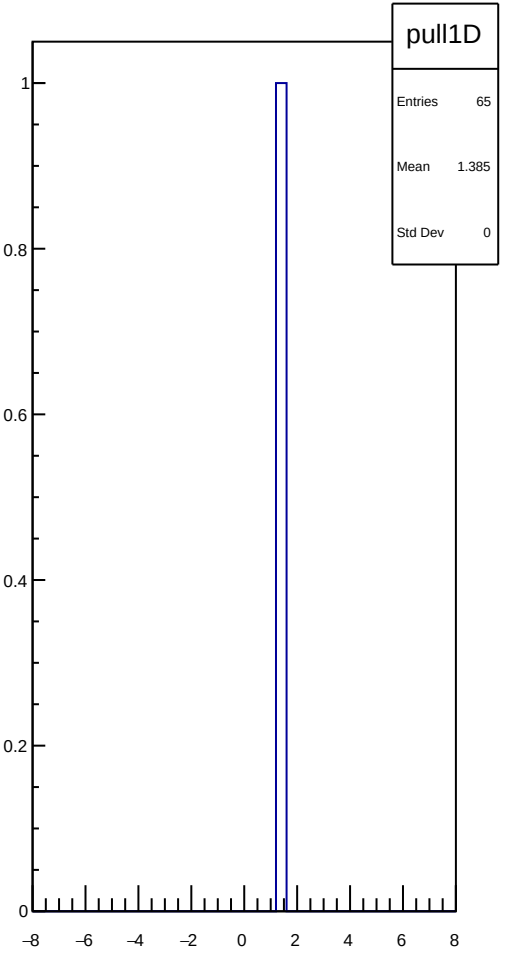

yield_bpm0i01X_rms vs run
χ² / ndf 8992 / 64
p0 0.01002 ± 8.771e–06
0.013
0.012
0.011
0.01
0.009

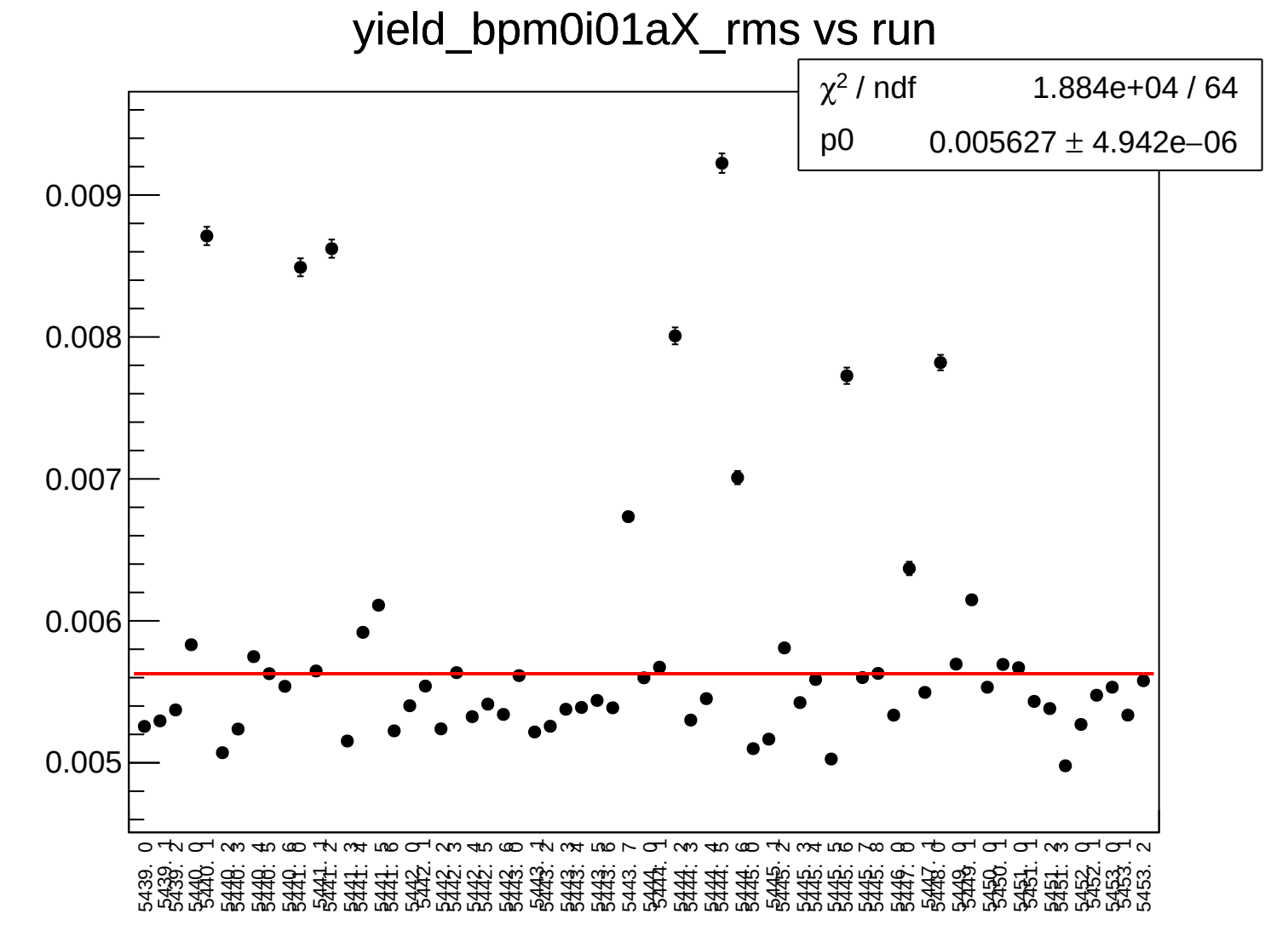

yield_bpm0i01Y_mean vs run
χ² / ndf 1.036e+08 / 64
p0 −1.248 ± 2.133e−06
−1.21
−1.22
−1.23
−1.24
−1.25
−1.26
−1.27
−1.28
pull
Entries 65
Mean −206.1
Std Dev 0
2000
1000
0
−1000
−2000

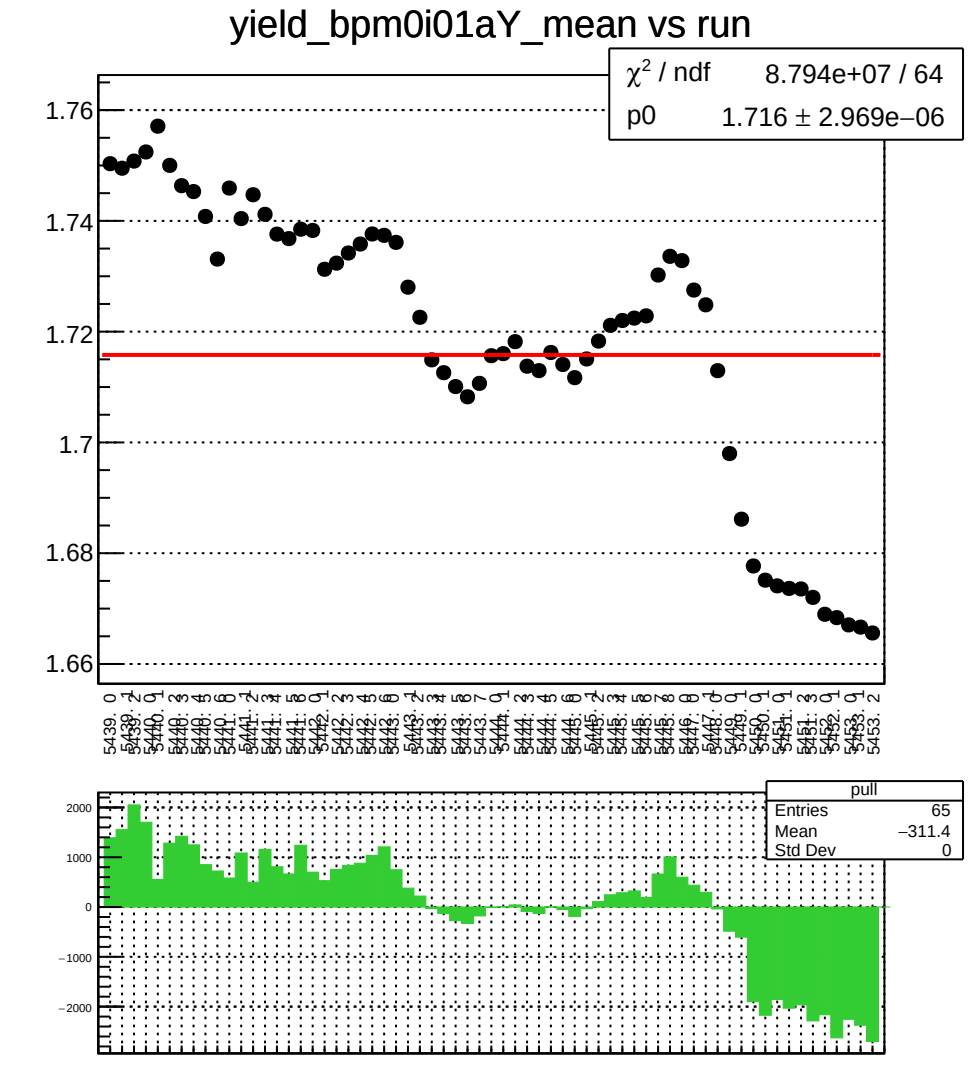

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

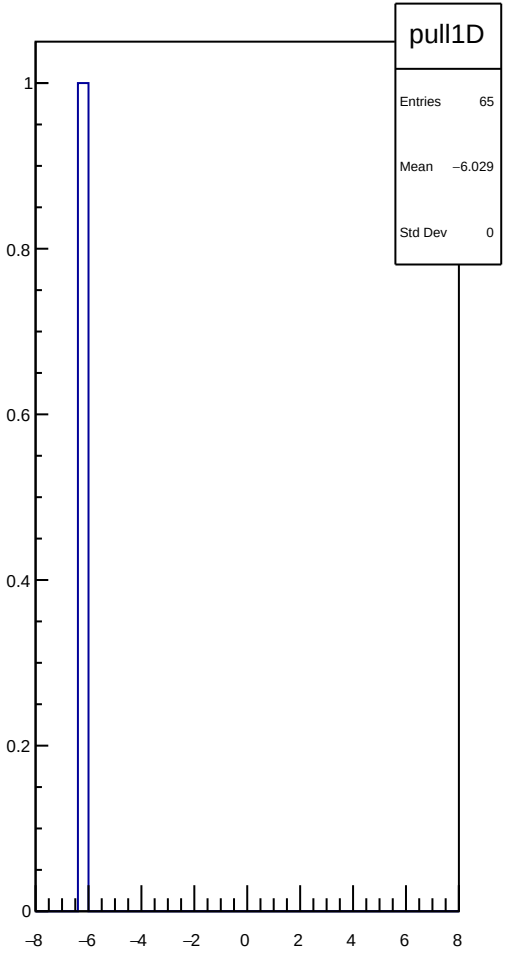

yield_bpm0i01Y_rms vs run
χ² / ndf 1.848e+05 / 64
p0 0.001604 ± 1.508e−06
0.012
0.01
0.008
0.006
0.004
0.002
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

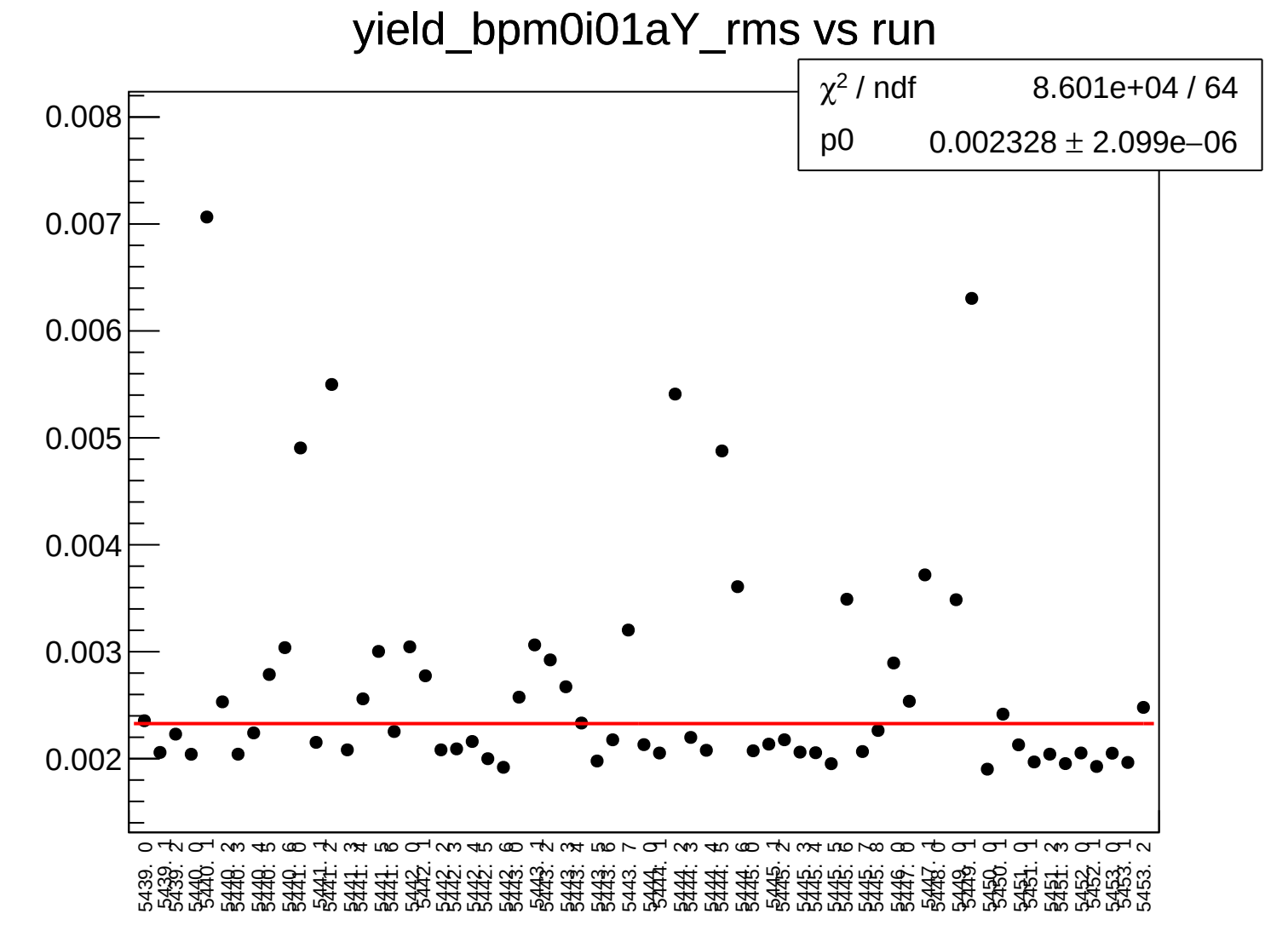

yield_bpm0i01aX_mean vs run
χ² / ndf 2.682e+06 / 64
p0 −2.509 ± 6.989e−06
−2.48
−2.49
−2.5
−2.51
−2.52
−2.53
pull
Entries 65
Mean −743.4
Std Dev 0
400
200
0
−200
−400

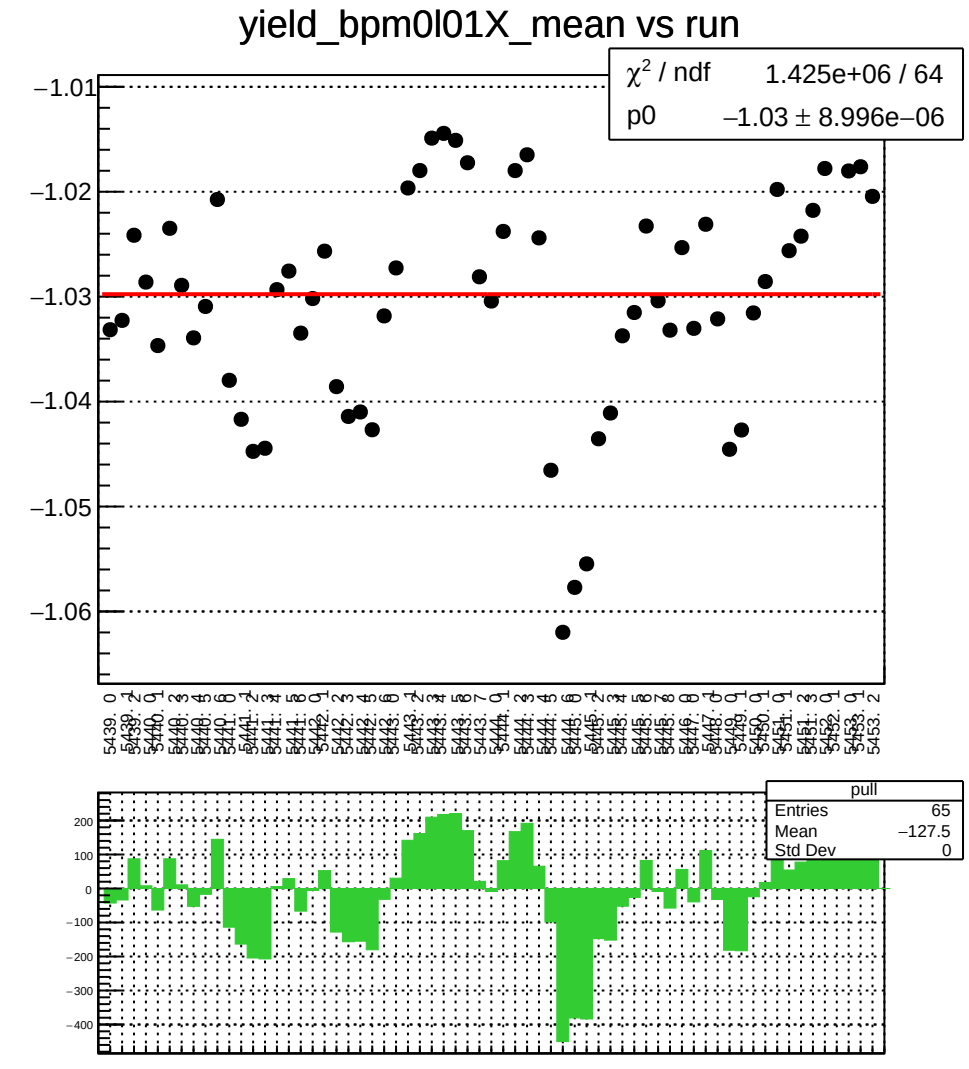

pull1D
Entries 65
Mean 1.385
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

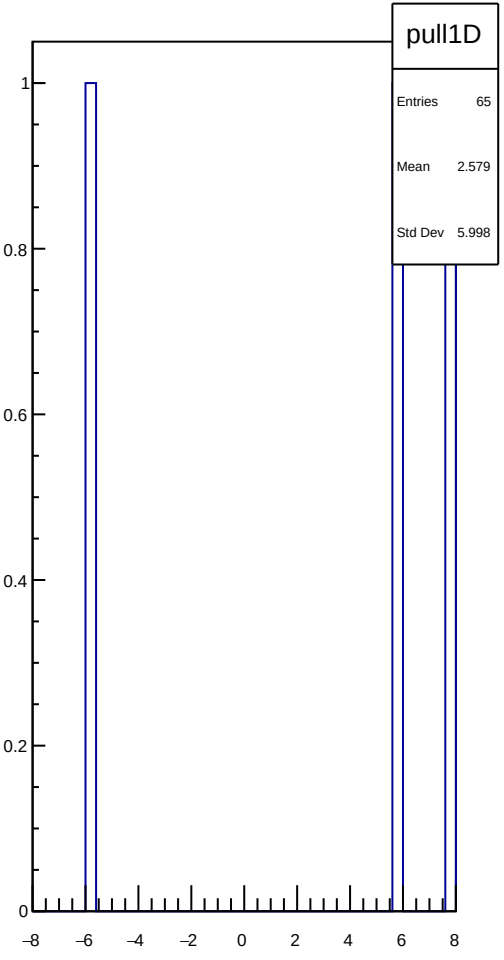

yield_bpm0i01aX_rms vs run
χ² / ndf 1.884e+04 / 64
p0 0.005627 ± 4.942e−06
0.009
0.008
0.007
0.006
0.005

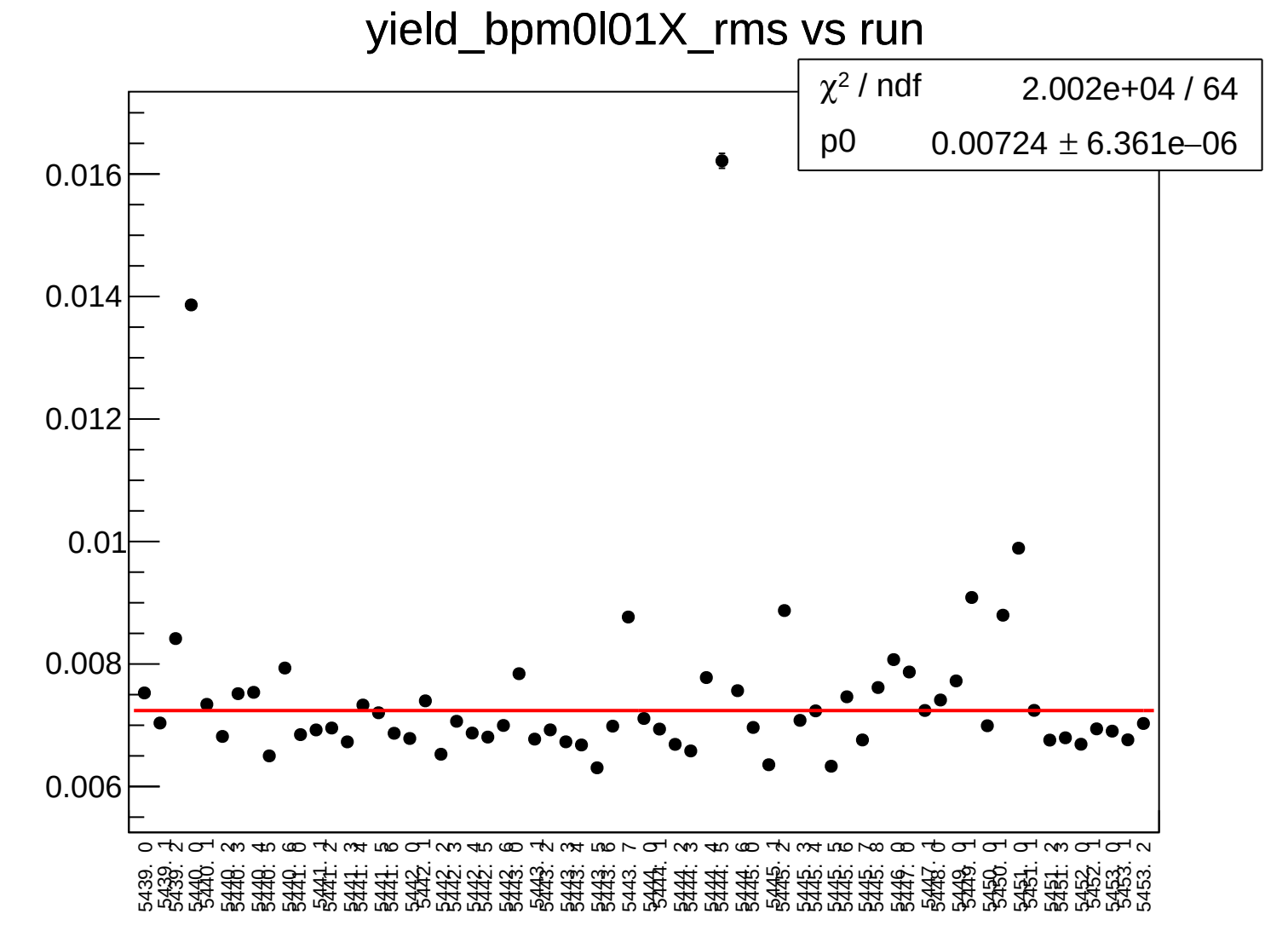

yield_bpm0i01aY_mean vs run
χ² / ndf 8.794e+07 / 64
p0 1.716 ± 2.969e−06
1.76
1.74
1.72
1.7
1.68
1.66
pull
Entries 65
Mean −311.4
Std Dev 0
2000
1000
0
−1000
−2000

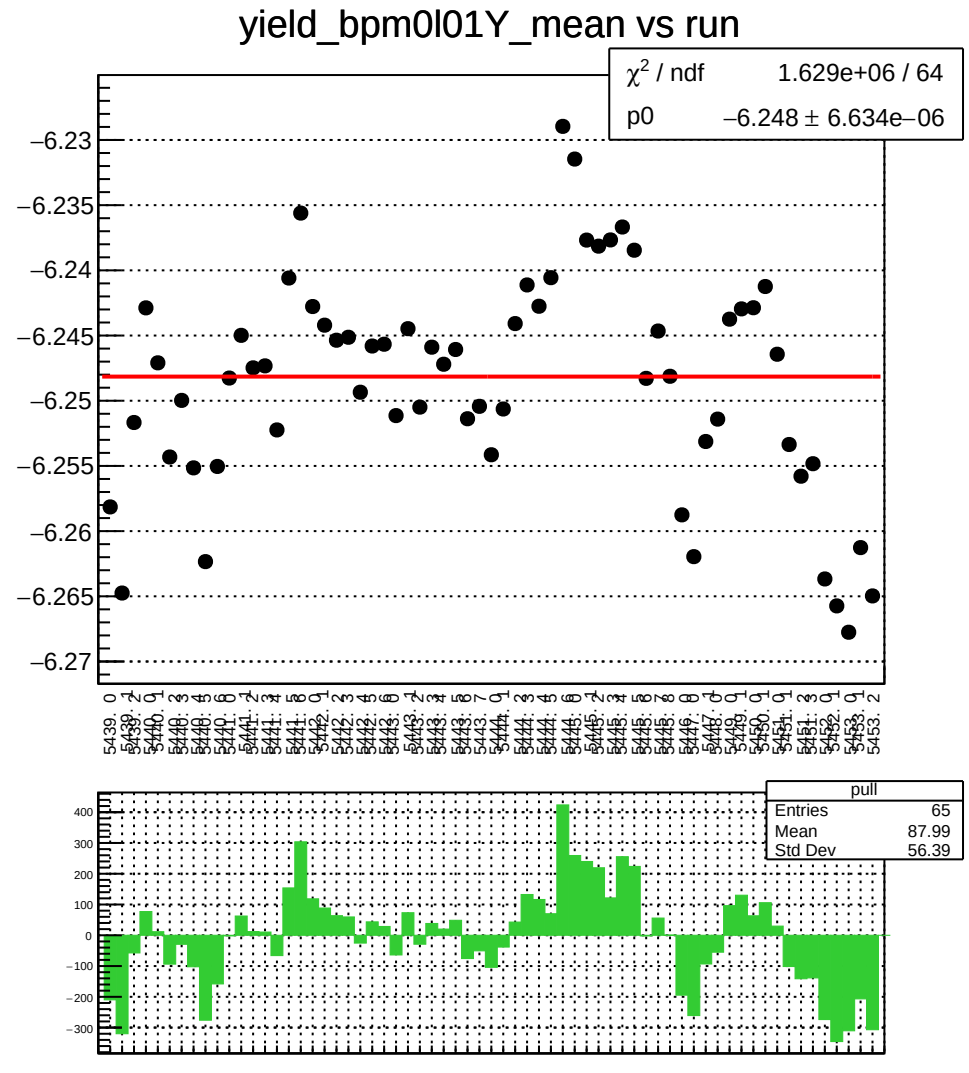

pull1D
Entries 65
Mean −6.029
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

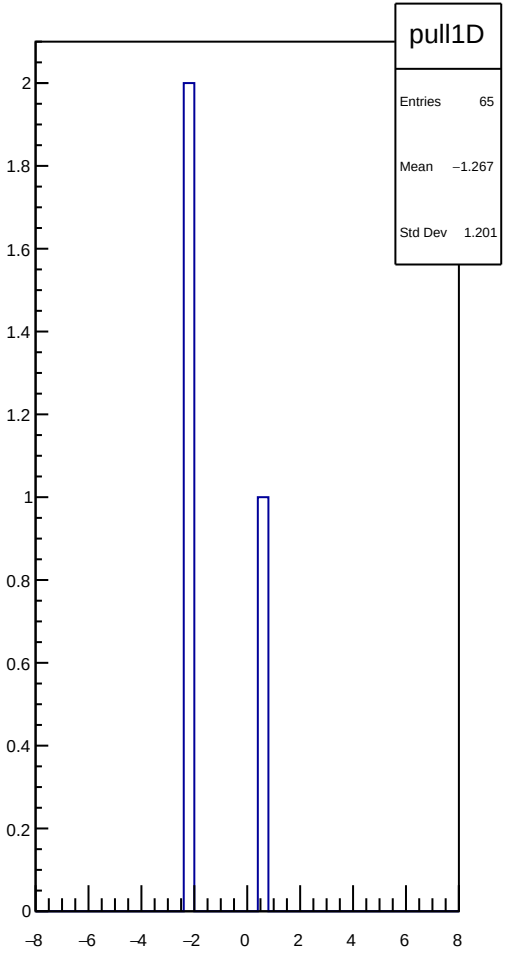

yield_bpm0i01aY_rms vs run
χ² / ndf 8.601e+04 / 64
p0 0.002328 ± 2.099e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

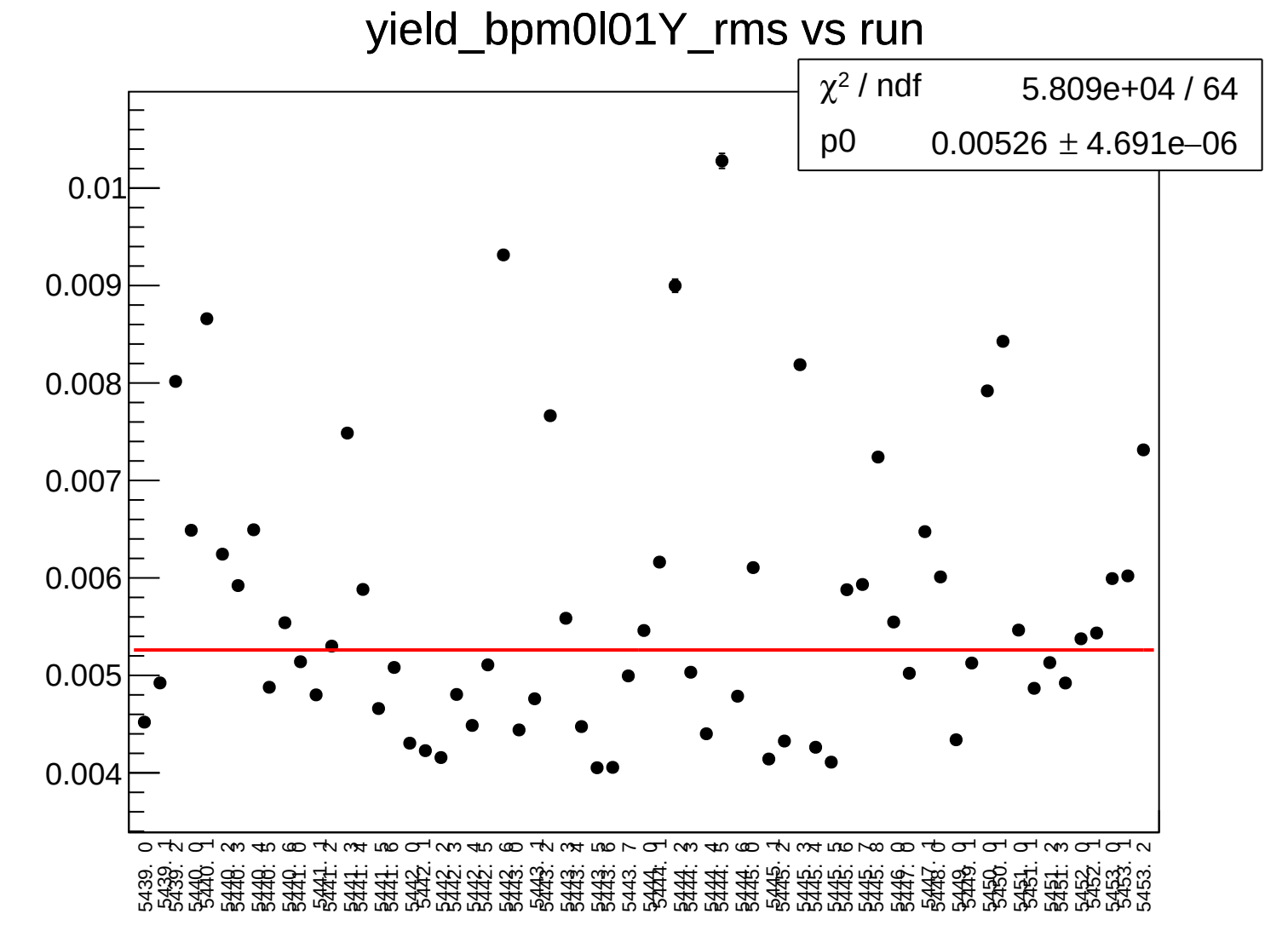

yield_bpm0l01X_mean vs run
χ² / ndf 1.425e+06 / 64
p0 −1.03 ± 8.996e−06
−1.01
−1.02
−1.03
−1.04
−1.05
−1.06
pull
Entries 65
Mean −127.5
Std Dev 0
200
100
0
−100
−200
−300
−400

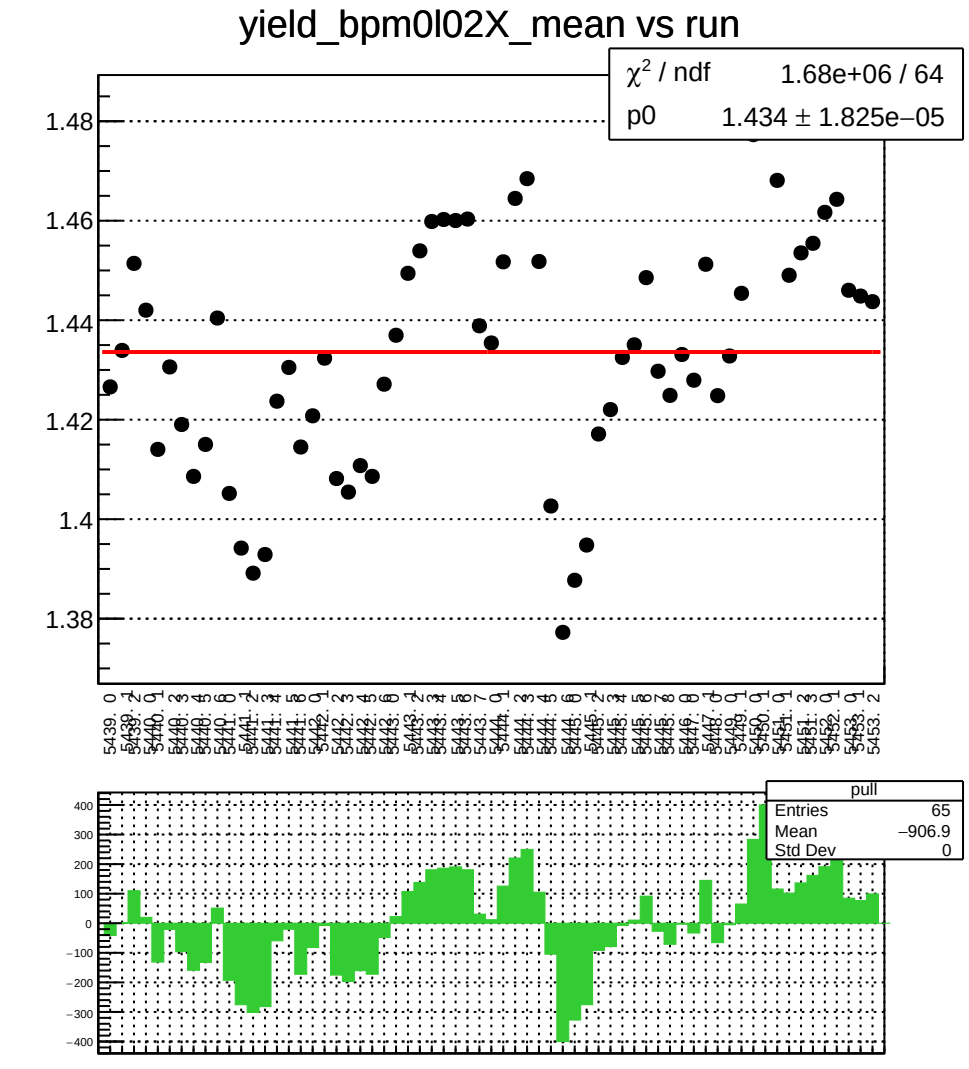

pull1D
Entries 65
Mean 2.579
Std Dev 5.998
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

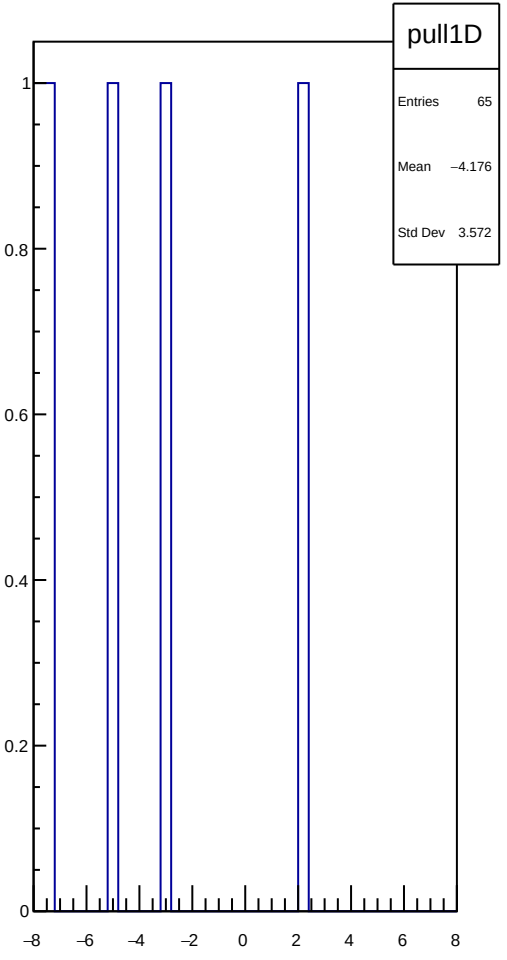

yield_bpm0l01X_rms vs run
χ² / ndf 2.002e+04 / 64
p0 0.00724 ± 6.361e–06
0.016
0.014
0.012
0.01
0.008
0.006

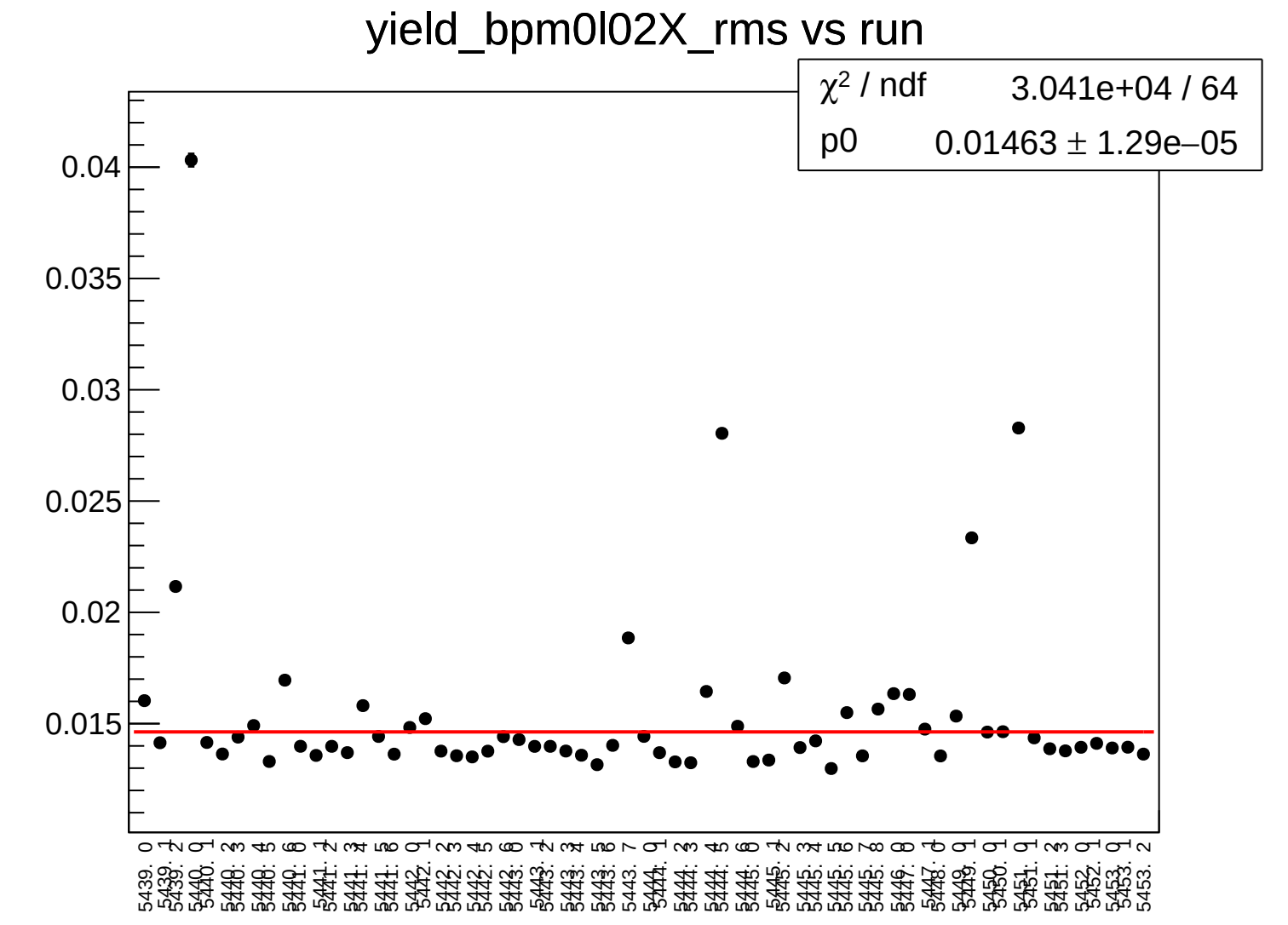

yield_bpm0l01Y_mean vs run
χ² / ndf 1.629e+06 / 64
p0 −6.248 ± 6.634e−06
−6.23
−6.235
−6.24
−6.245
−6.25
−6.255
−6.26
−6.265
−6.27
pull
Entries 65
Mean 87.99
Std Dev 56.39
400
300
200
100
0
−100
−200
−300

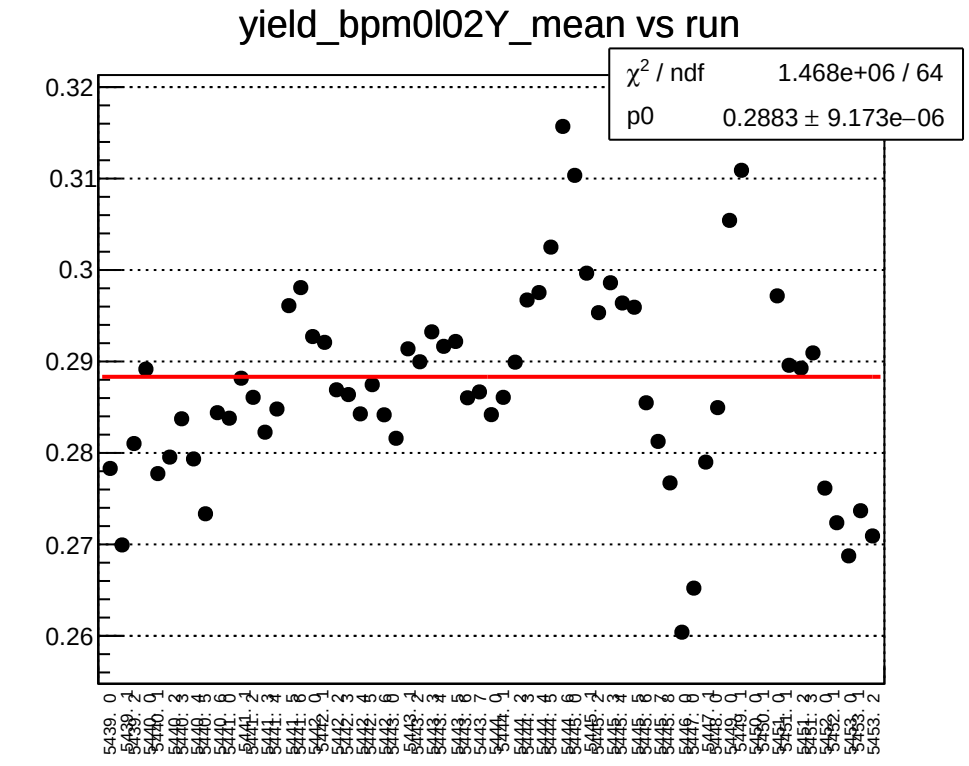

pull1D
Entries 65
Mean −1.267
Std Dev 1.201
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

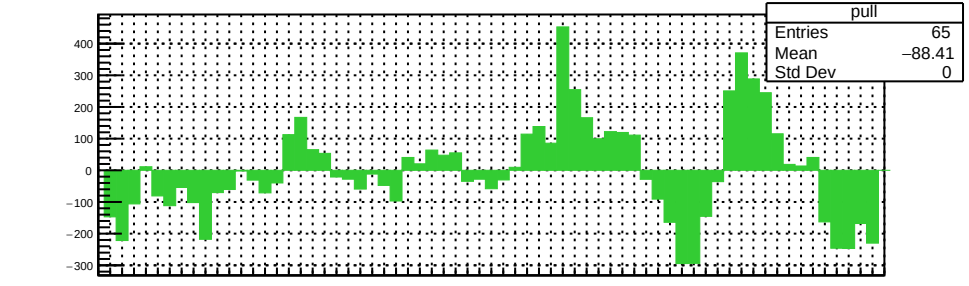

yield_bpm0l01Y_rms vs run
χ² / ndf 5.809e+04 / 64
p0 0.00526 ± 4.691e–06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

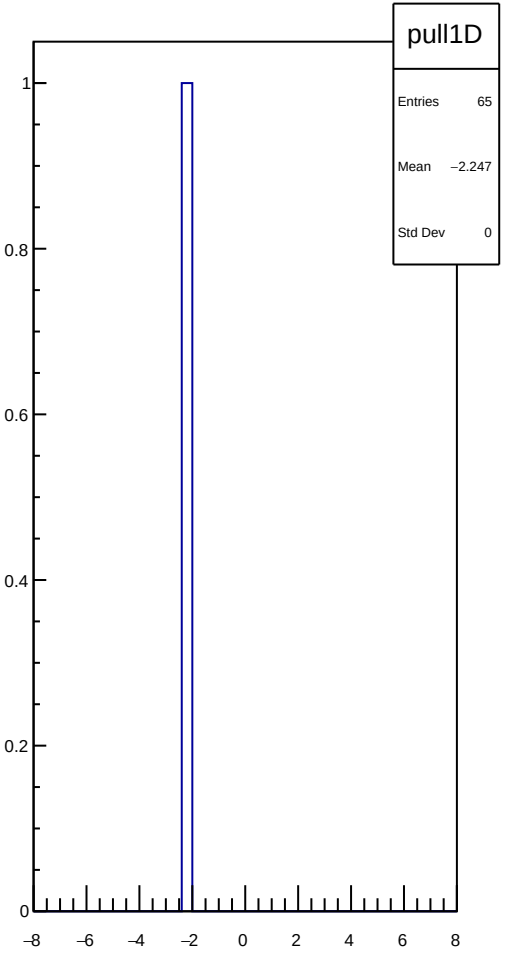

yield_bpm0l02X_mean vs run
χ² / ndf 1.68e+06 / 64
p0 1.434 ± 1.825e−05
1.48
1.46
1.44
1.42
1.4
1.38
pull
Entries 65
Mean −906.9
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

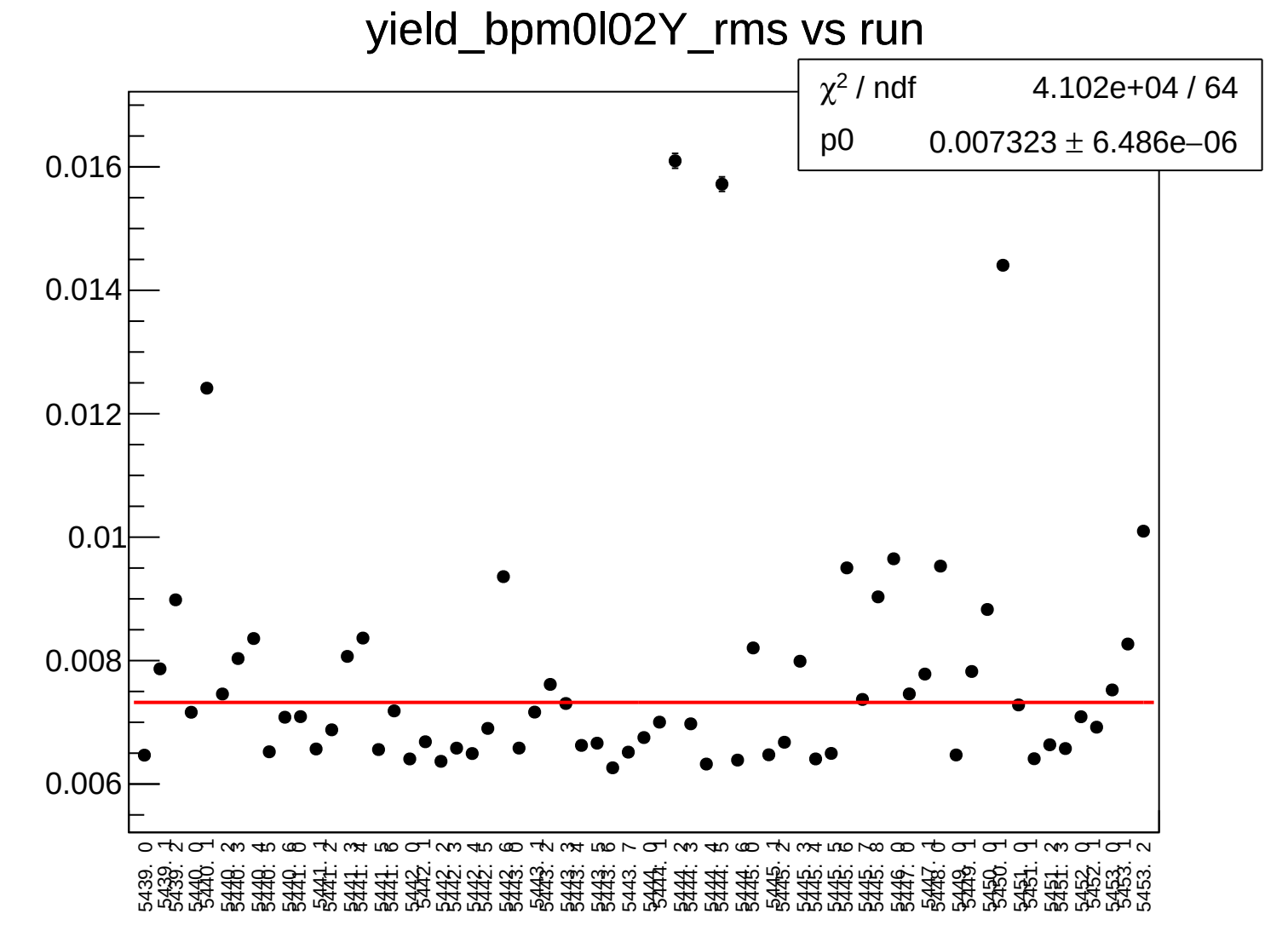

pull1D
Entries 65
Mean −4.176
Std Dev 3.572
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

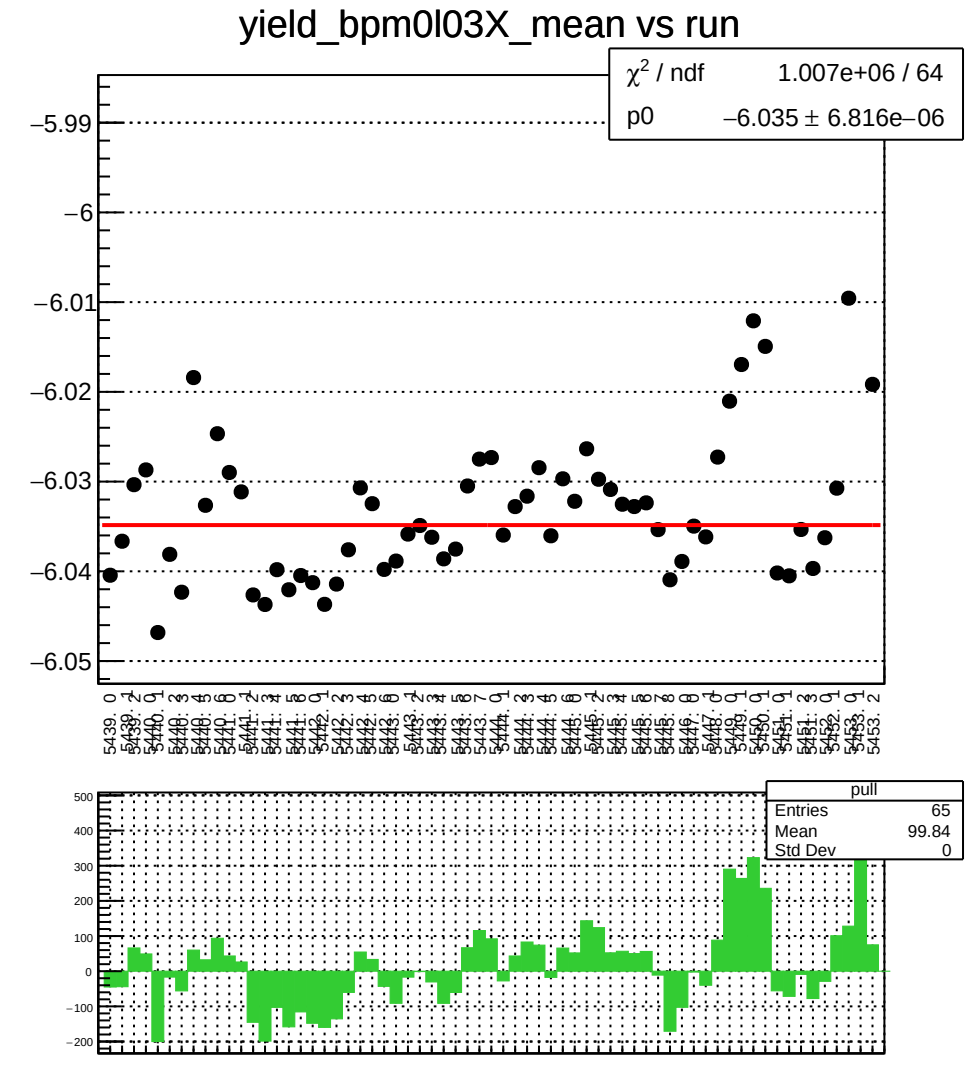

yield_bpm0l02X_rms vs run
χ² / ndf 3.041e+04 / 64
p0 0.01463 ± 1.29e−05
0.04
0.035
0.03
0.025
0.02
0.015

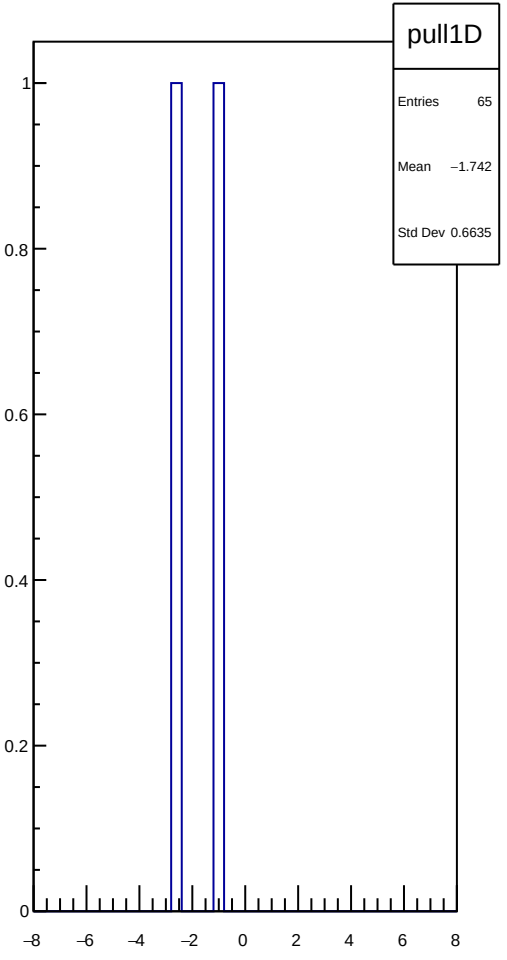

yield_bpm0l02Y_mean vs run
χ² / ndf 1.468e+06 / 64
p0 0.2883 ± 9.173e−06
0.32
0.31
0.3
0.29
0.28
0.27
0.26

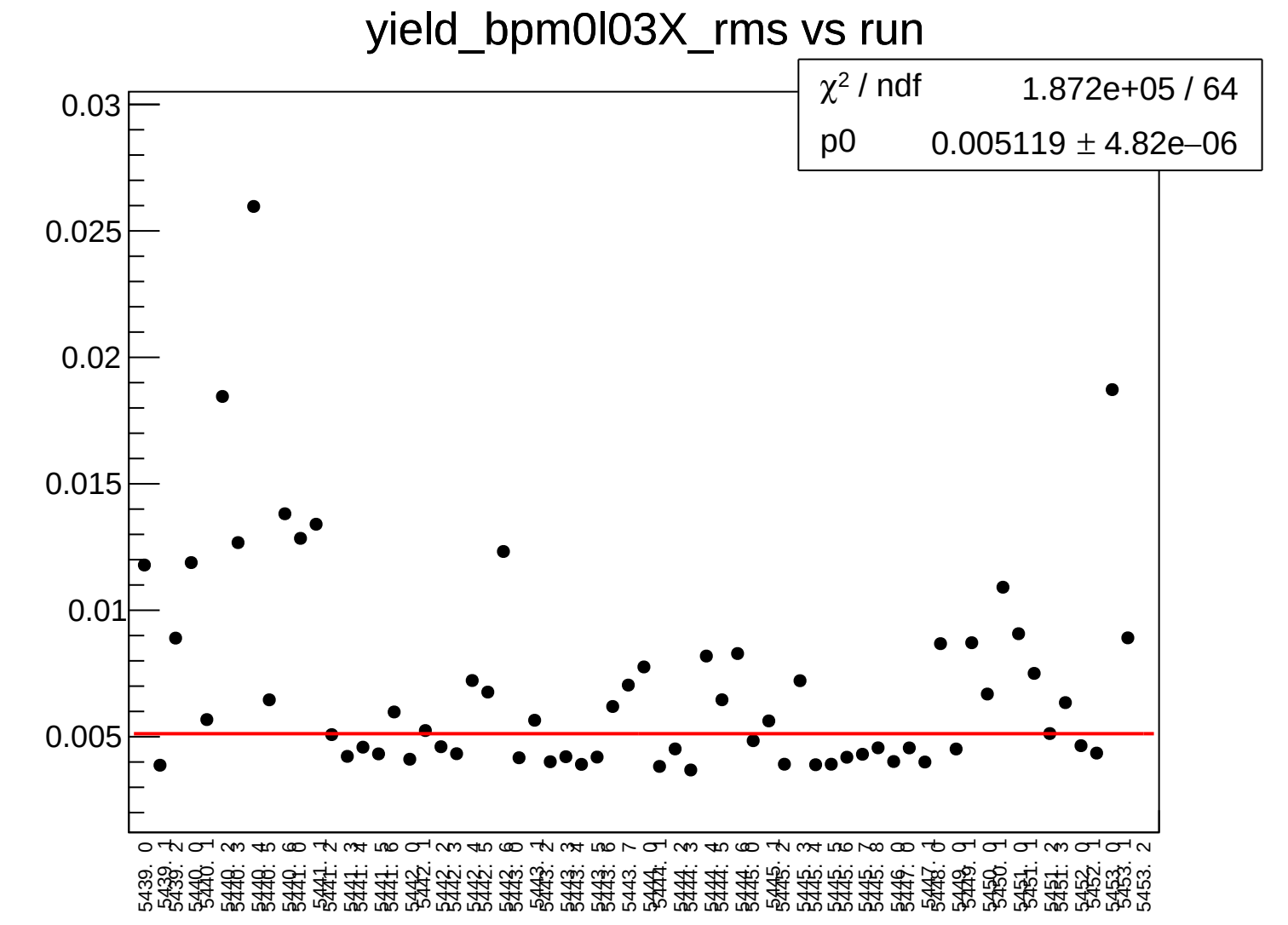

pull
Entries 65
Mean −88.41
Std Dev 0
400
300
200
100
0
−100
−200
−300

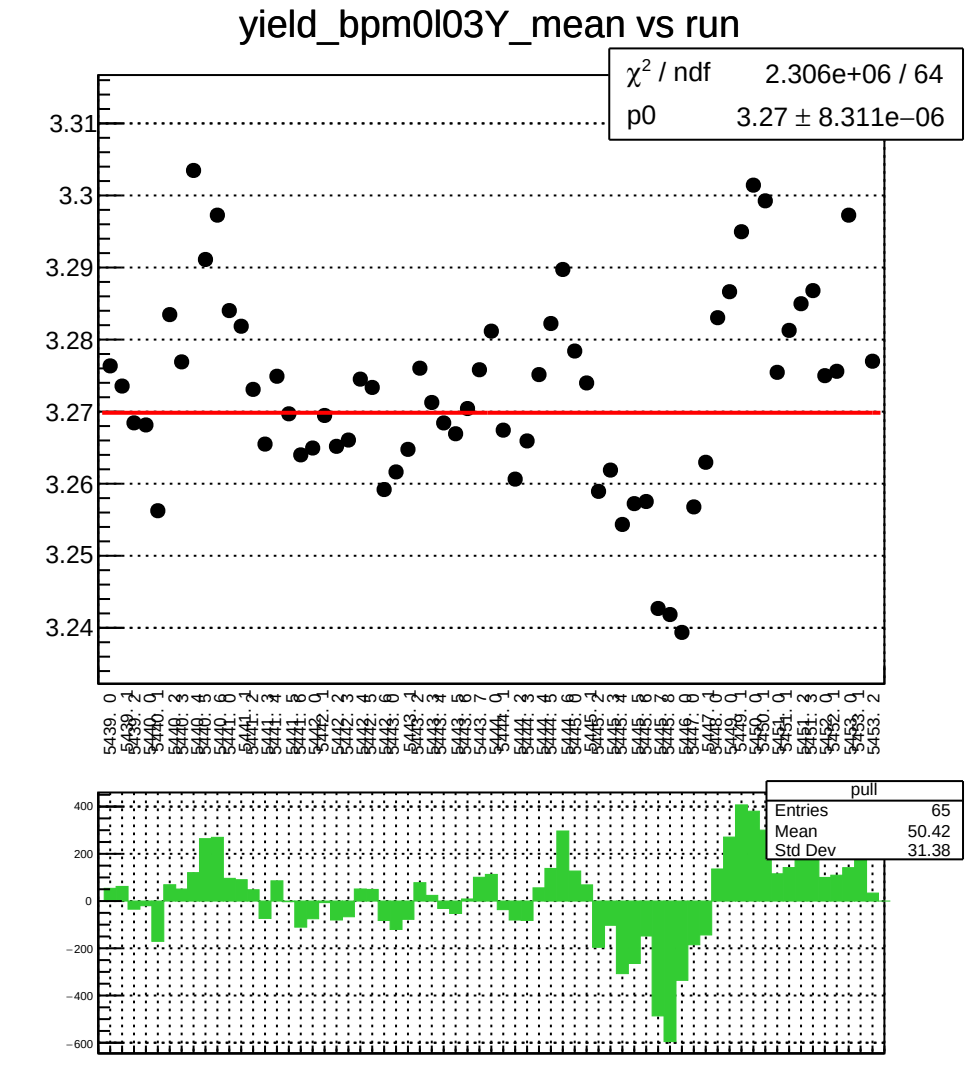

pull1D
Entries 65
Mean −2.247
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

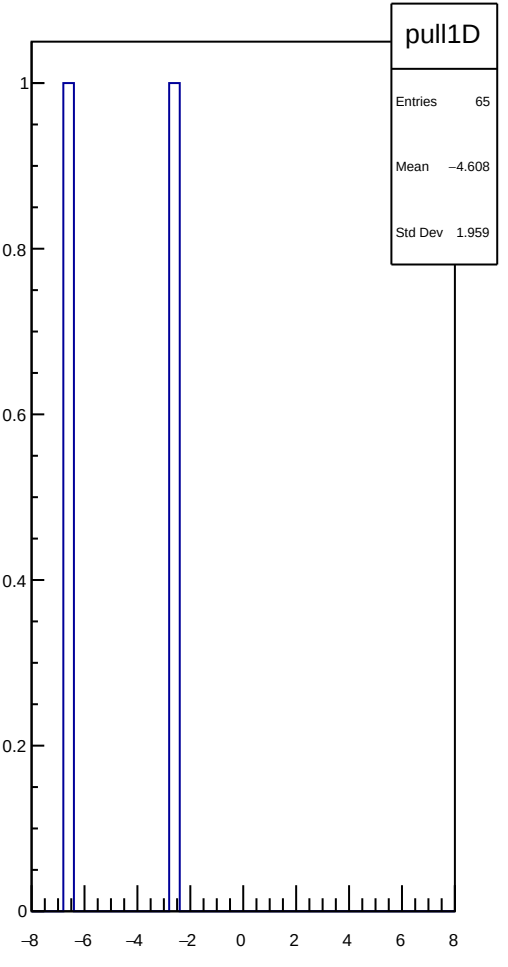

yield_bpm0l02Y_rms vs run
χ² / ndf 4.102e+04 / 64
p0 0.007323 ± 6.486e−06
0.016
0.014
0.012
0.01
0.008
0.006

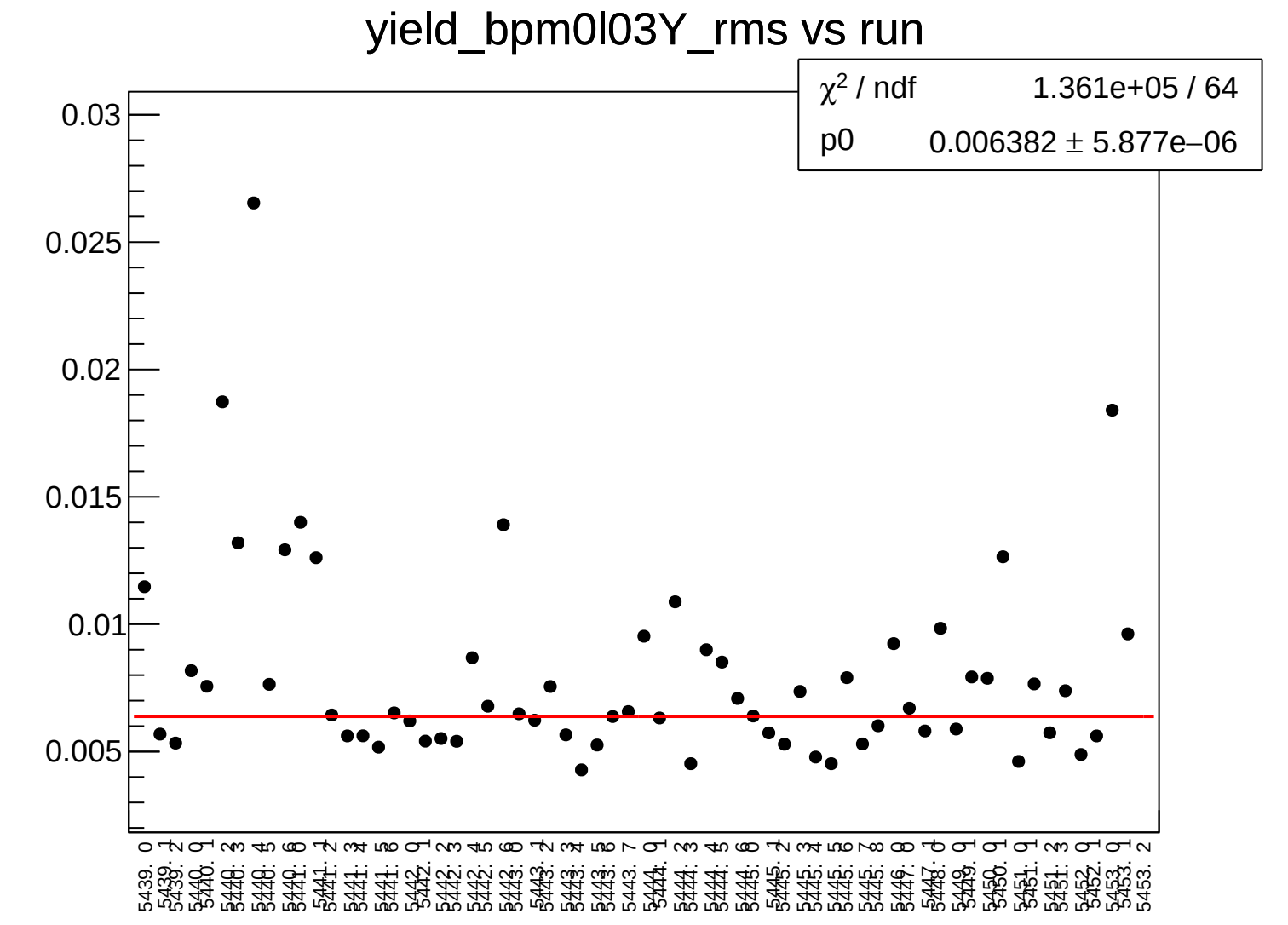

yield_bpm0l03X_mean vs run
χ² / ndf 1.007e+06 / 64
p0 −6.035 ± 6.816e−06
−5.99
−6
−6.01
−6.02
−6.03
−6.04
−6.05
pull
Entries 65
Mean 99.84
Std Dev 0
500
400
300
200
100
0
−100
−200

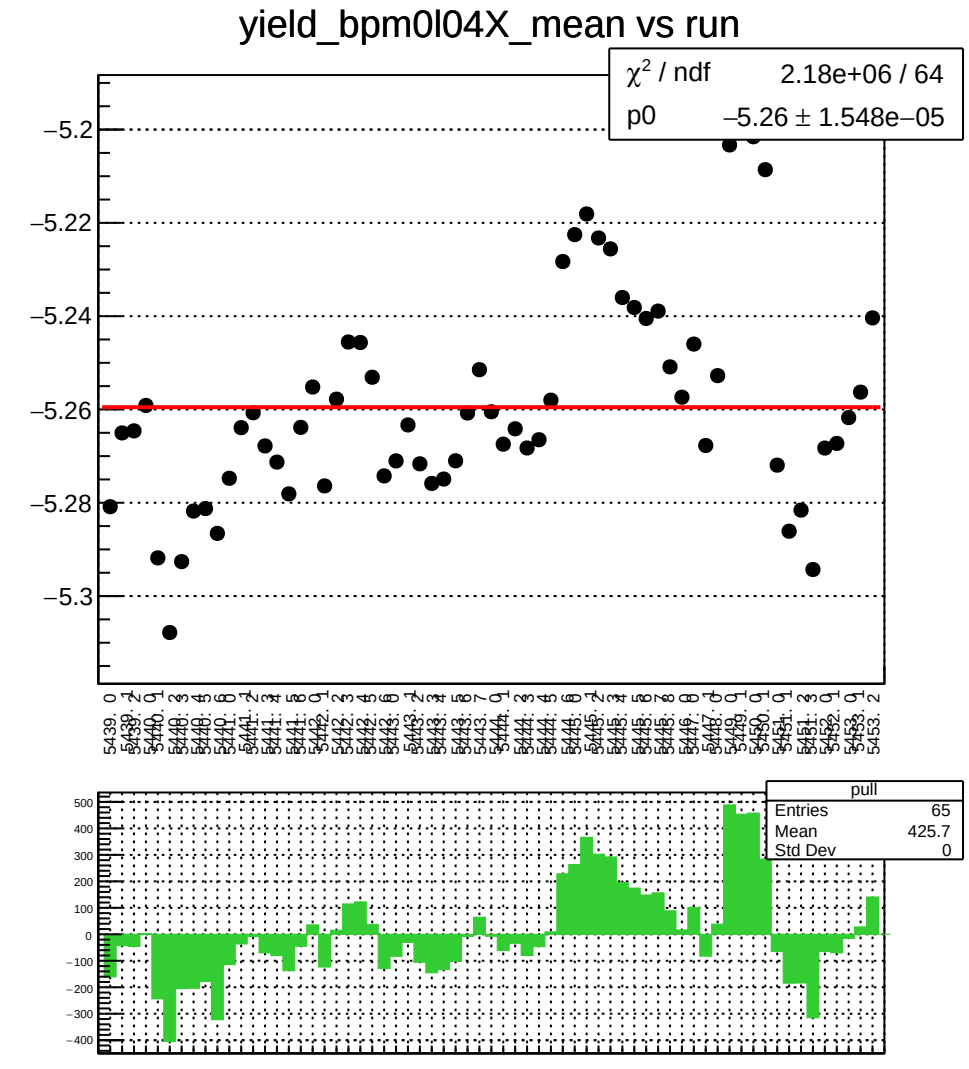

pull1D
Entries 65
Mean −1.742
Std Dev 0.6635
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

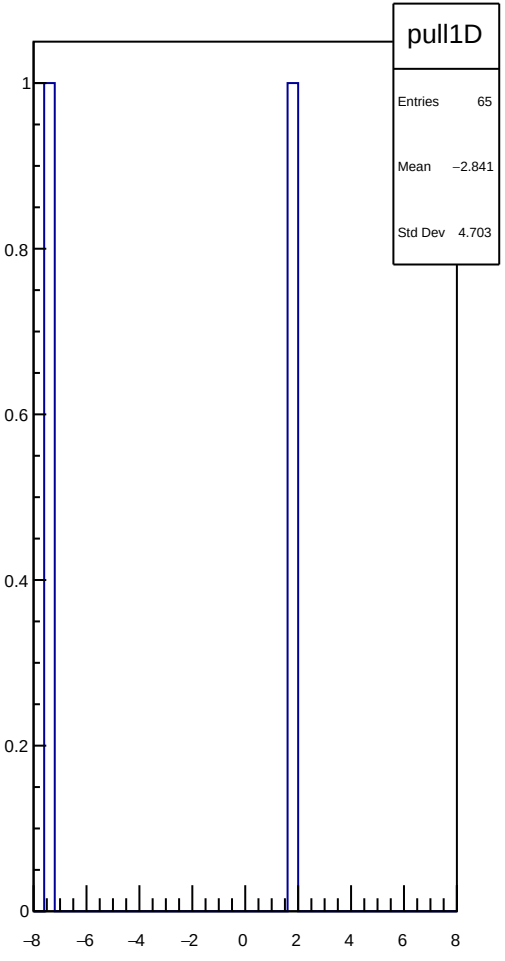

yield_bpm0l03X_rms vs run
χ² / ndf 1.872e+05 / 64
p0 0.005119 ± 4.82e–06
0.03
0.025
0.02
0.015
0.01
0.005

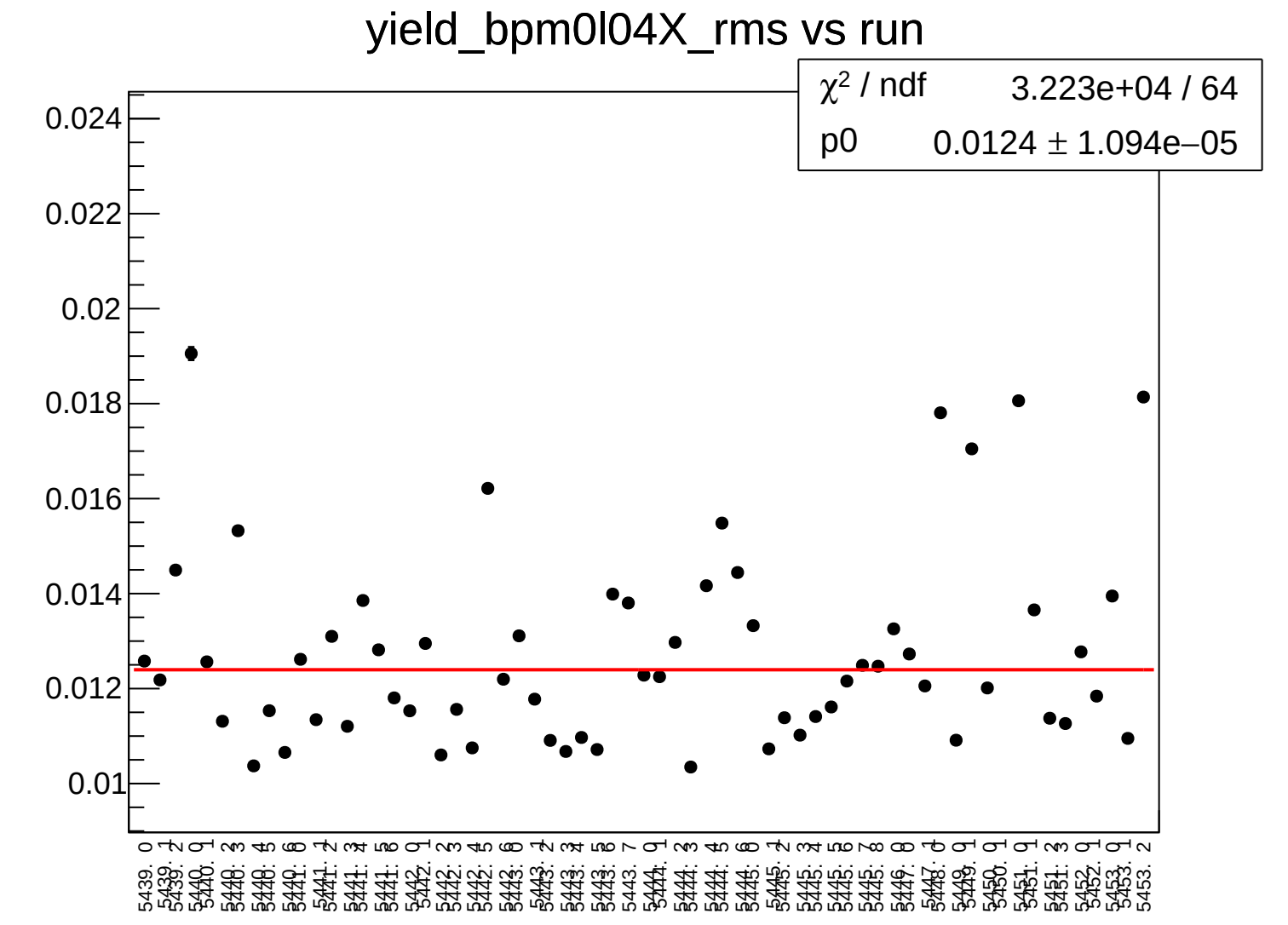

yield_bpm0l03Y_mean vs run
χ² / ndf 2.306e+06 / 64
p0 3.27 ± 8.311e−06
3.31
3.3
3.29
3.28
3.27
3.26
3.25
3.24
pull
Entries 65
Mean 50.42
Std Dev 31.38
400
200
0
−200
−400
−600

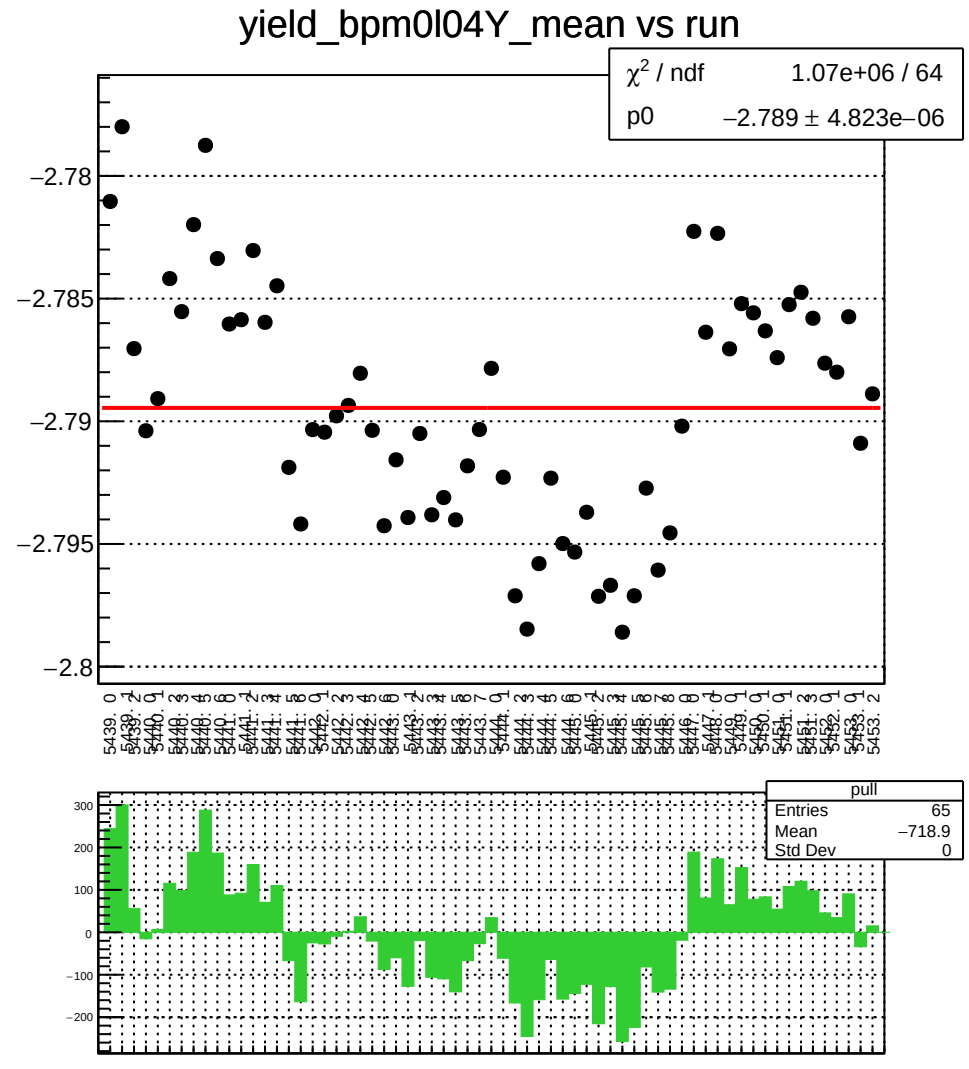

pull1D
Entries 65
Mean −4.608
Std Dev 1.959
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

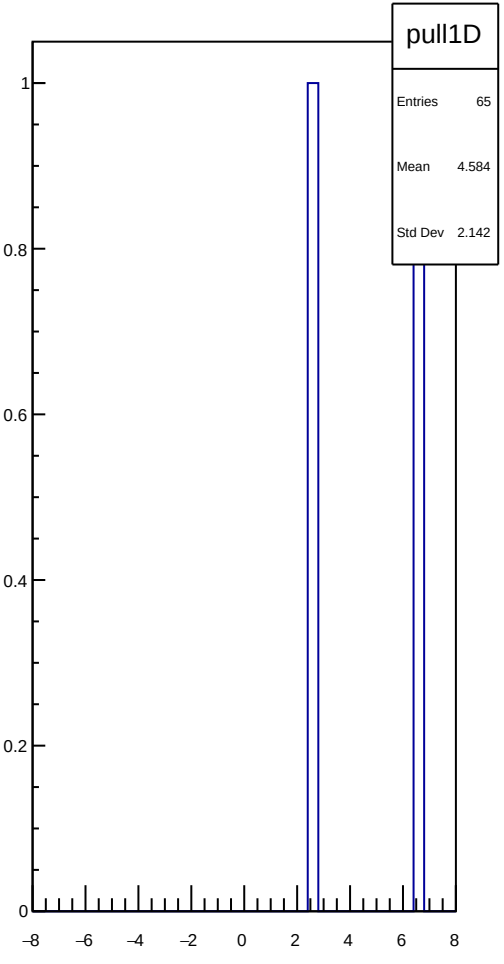

yield_bpm0l03Y_rms vs run
χ² / ndf 1.361e+05 / 64
p0 0.006382 ± 5.877e−06
0.03
0.025
0.02
0.015
0.01
0.005

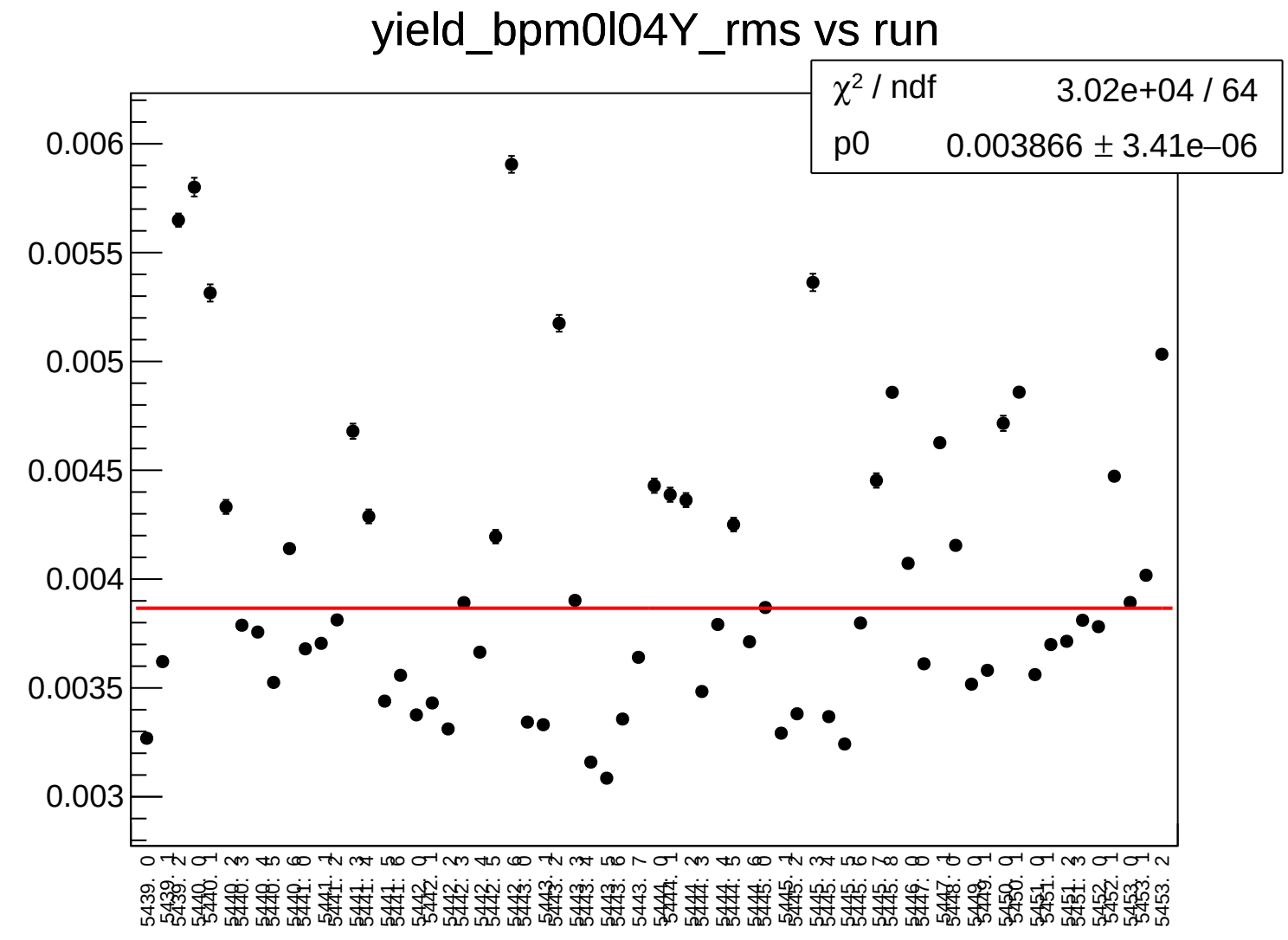

yield_bpm0l04X_mean vs run
χ² / ndf 2.18e+06 / 64
p0 −5.26 ± 1.548e−05
−5.2
−5.22
−5.24
−5.26
−5.28
−5.3
pull
Entries 65
Mean 425.7
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

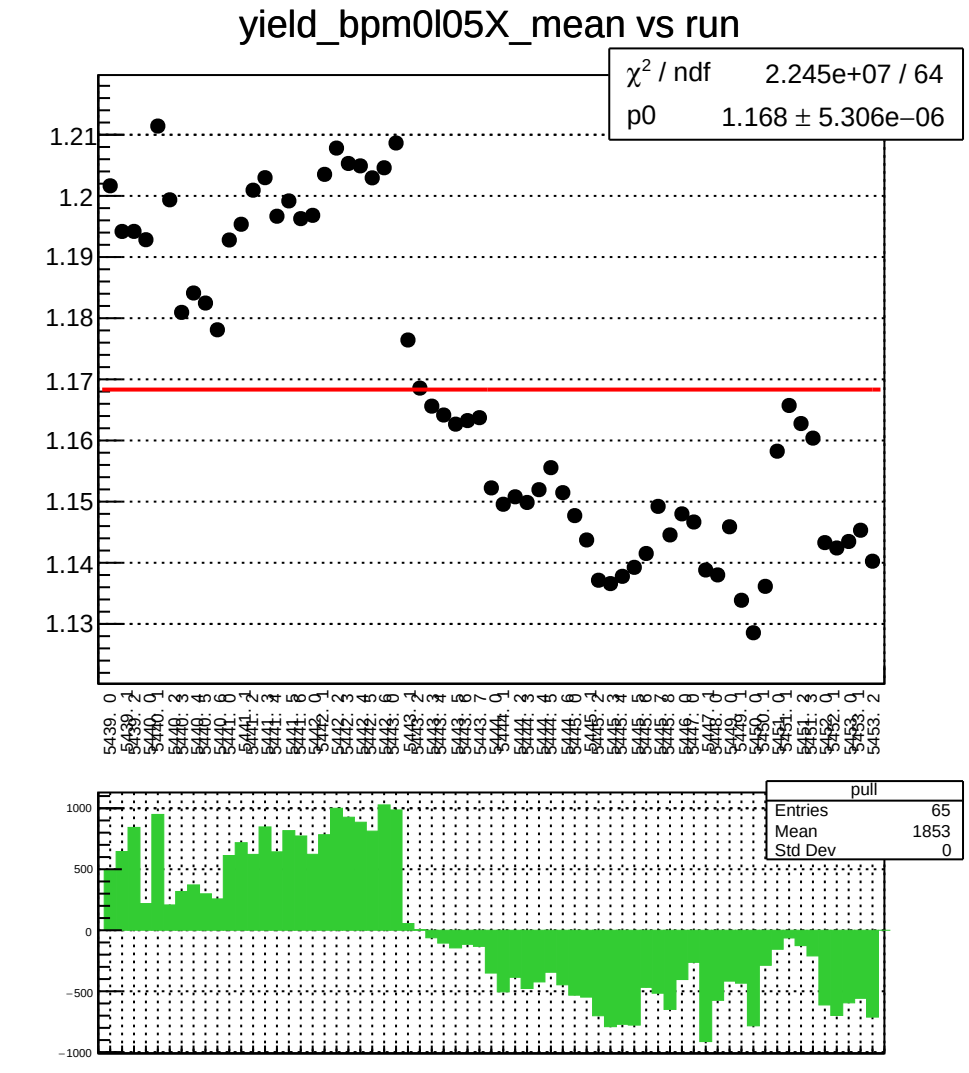

pull1D
Entries 65
Mean −2.841
Std Dev 4.703
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

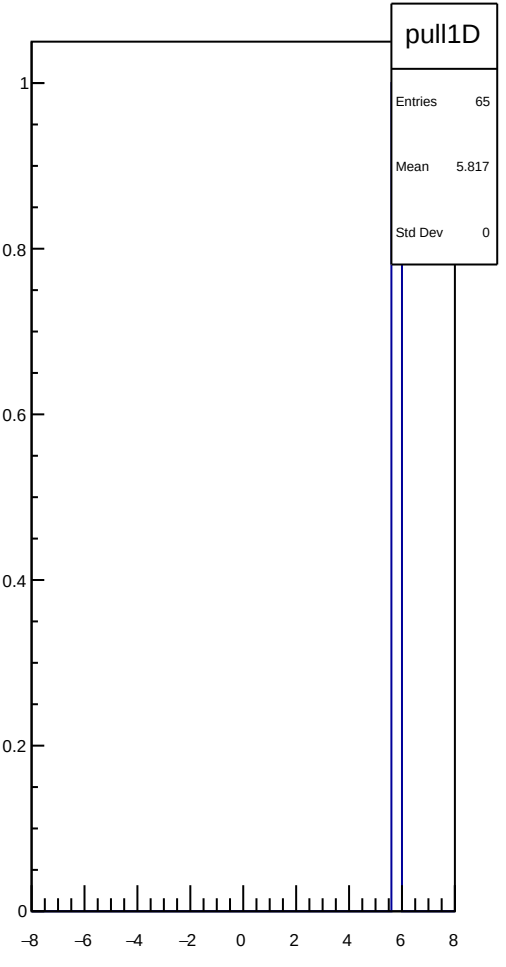

yield_bpm0l04X_rms vs run
χ² / ndf 3.223e+04 / 64
p0 0.0124 ± 1.094e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

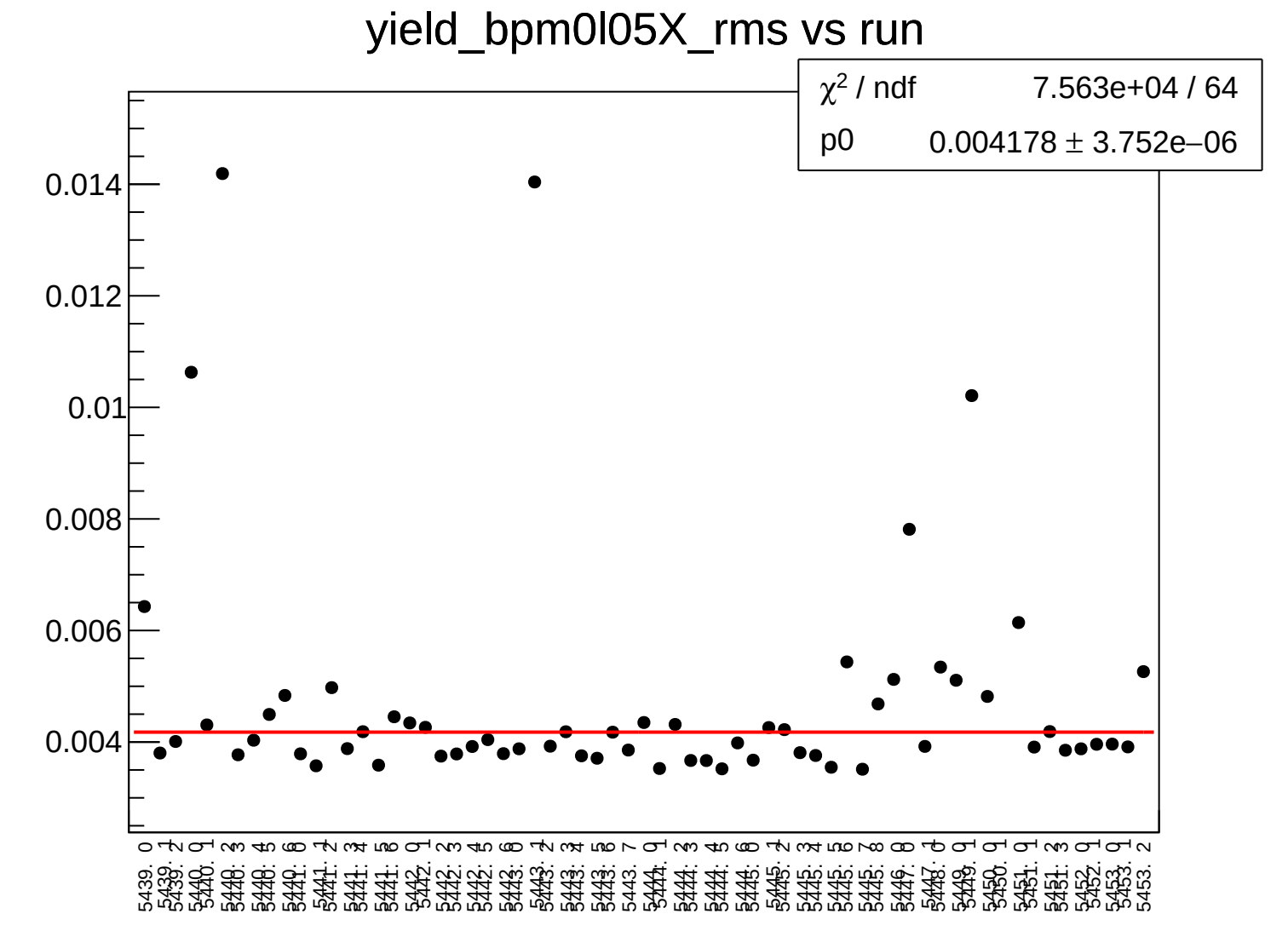

yield_bpm0l04Y_mean vs run
χ² / ndf 1.07e+06 / 64
p0 −2.789 ± 4.823e−06
−2.78
−2.785
−2.79
−2.795
−2.8
pull
Entries 65
Mean −718.9
Std Dev 0
300
200
100
0
−100
−200

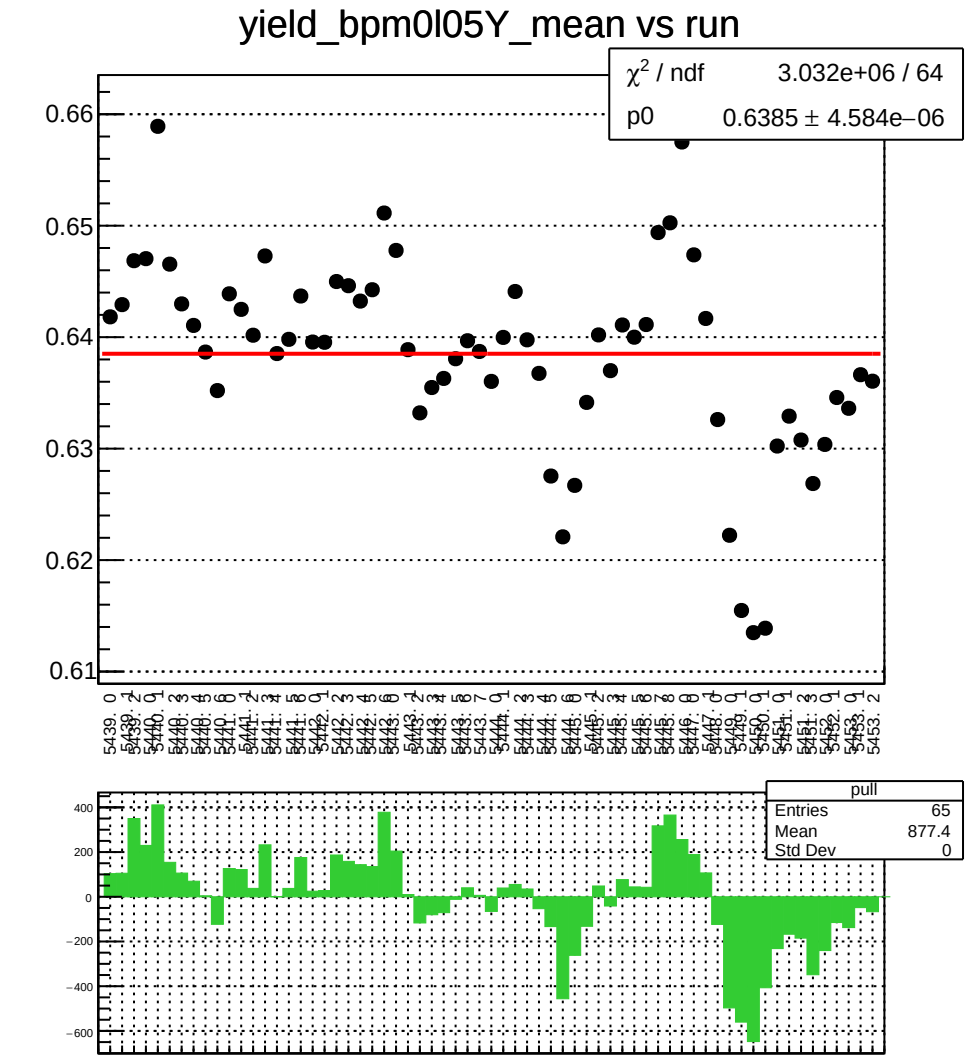

pull1D
Entries 65
Mean 4.584
Std Dev 2.142
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

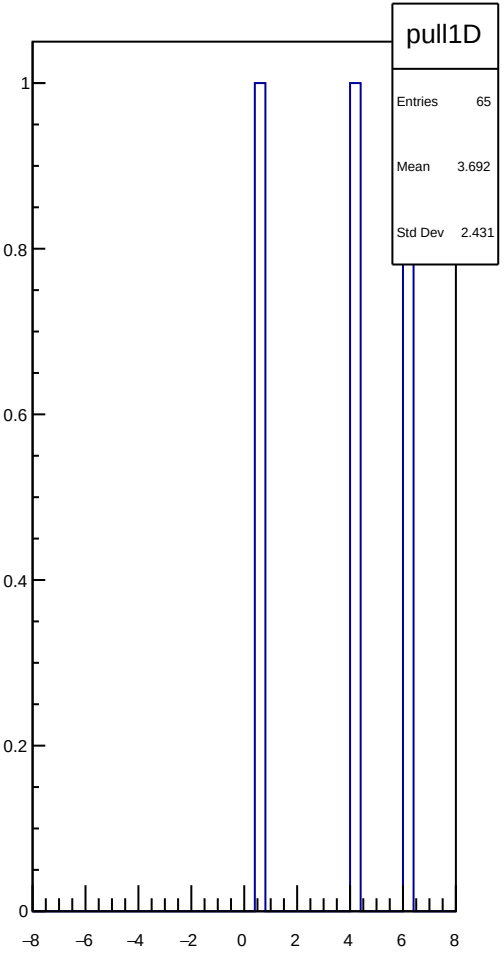

yield_bpm0l04Y_rms vs run
χ² / ndf 3.02e+04 / 64
p0 0.003866 ± 3.41e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

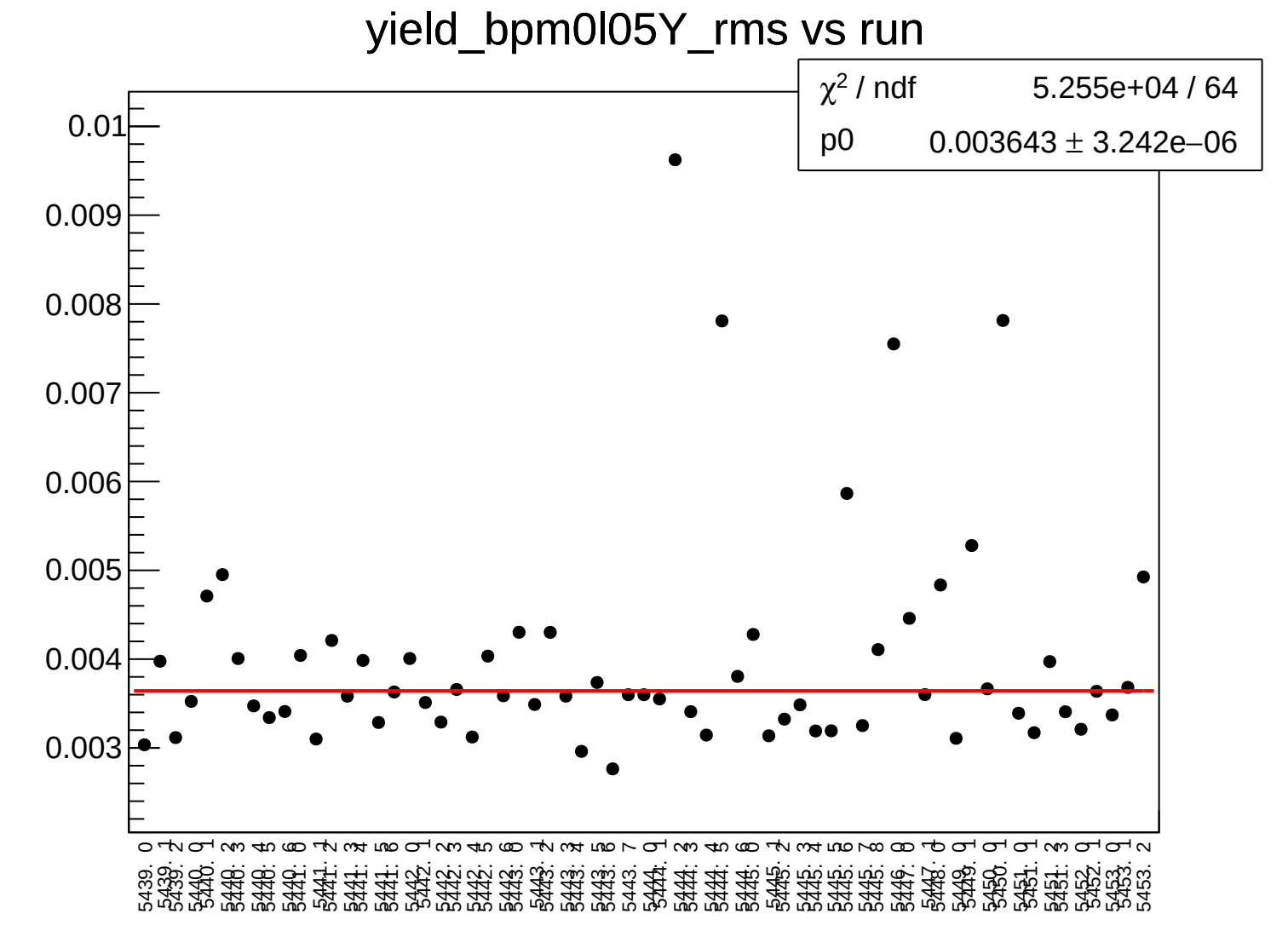

yield_bpm0l05X_mean vs run
χ² / ndf 2.245e+07 / 64
p0 1.168 ± 5.306e−06
1.21
1.2
1.19
1.18
1.17
1.16
1.15
1.14
1.13
pull
Entries 65
Mean 1853
Std Dev 0
1000
500
0
−500
−1000

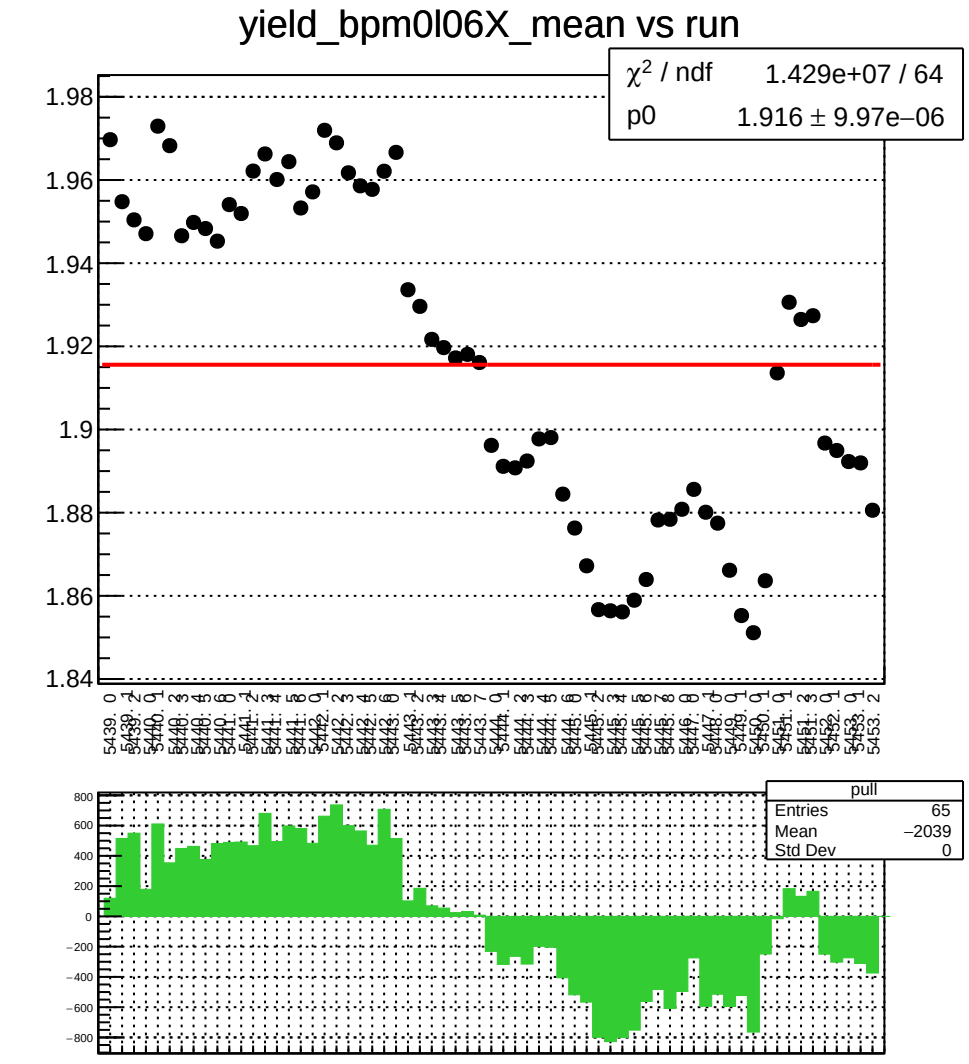

pull1D
Entries 65
Mean 5.817
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

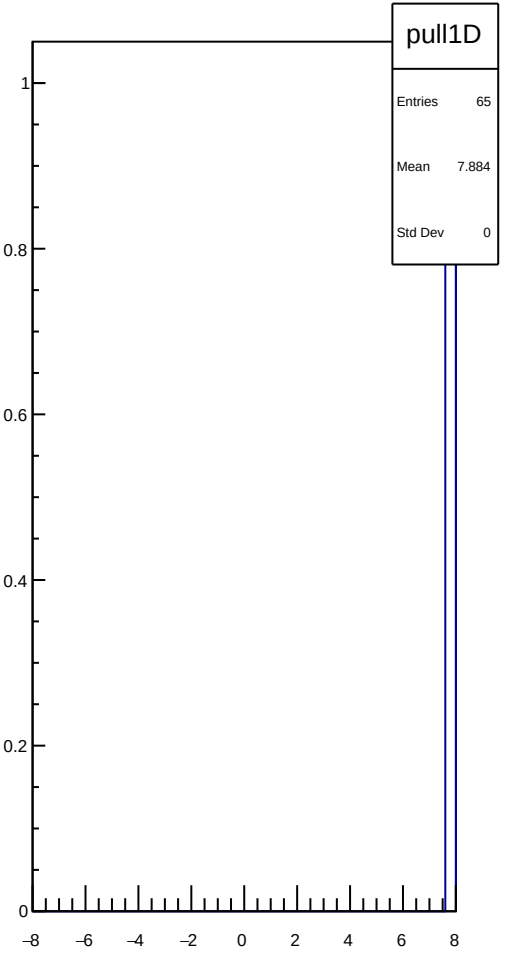

yield_bpm0l05X_rms vs run
χ² / ndf 7.563e+04 / 64
p0 0.004178 ± 3.752e−06
0.014
0.012
0.01
0.008
0.006
0.004

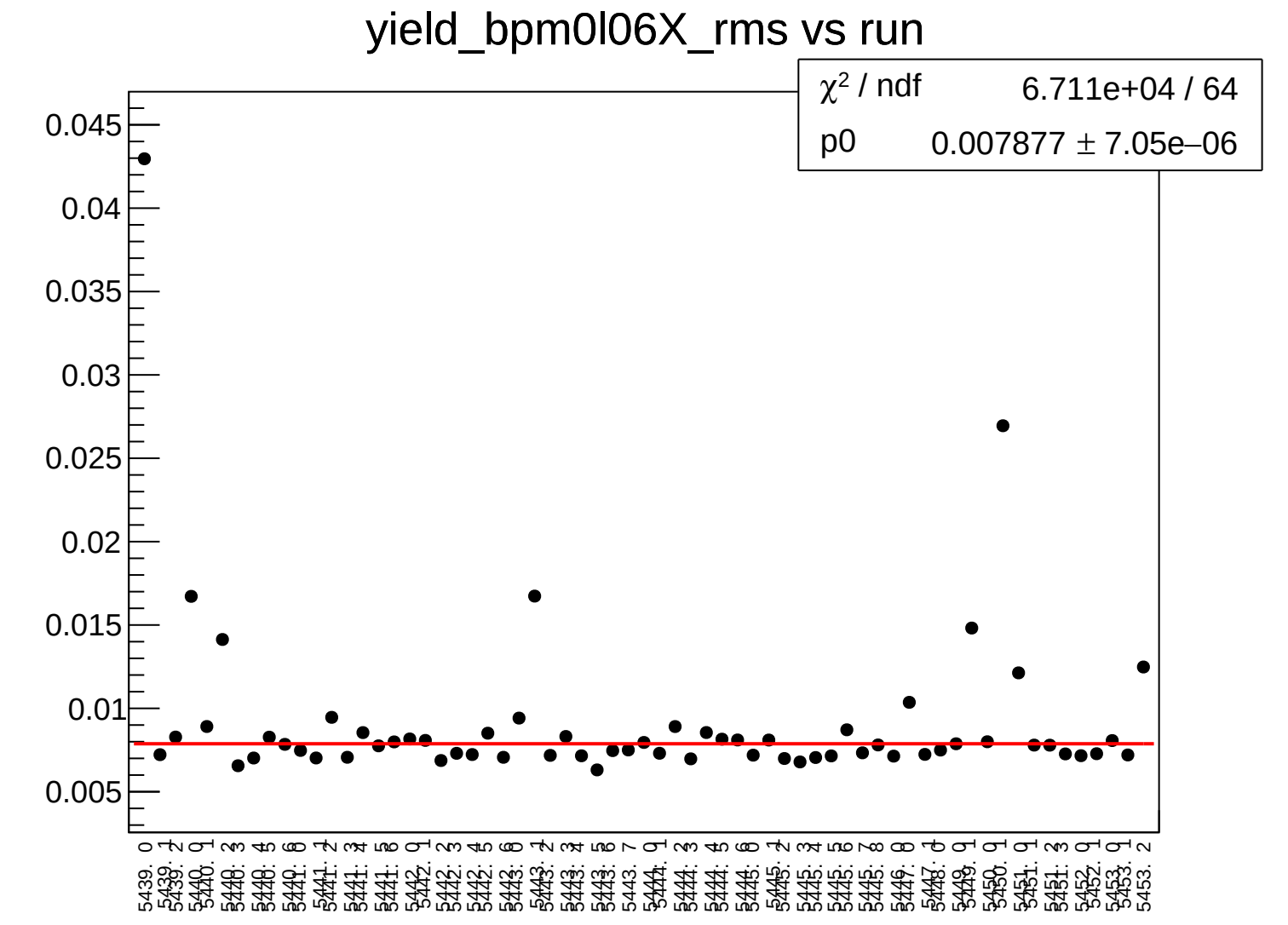

yield_bpm0l05Y_mean vs run
χ² / ndf 3.032e+06 / 64
p0 0.6385 ± 4.584e−06
0.66
0.65
0.64
0.63
0.62
0.61
pull
Entries 65
Mean 877.4
Std Dev 0
400
200
0
−200
−400
−600

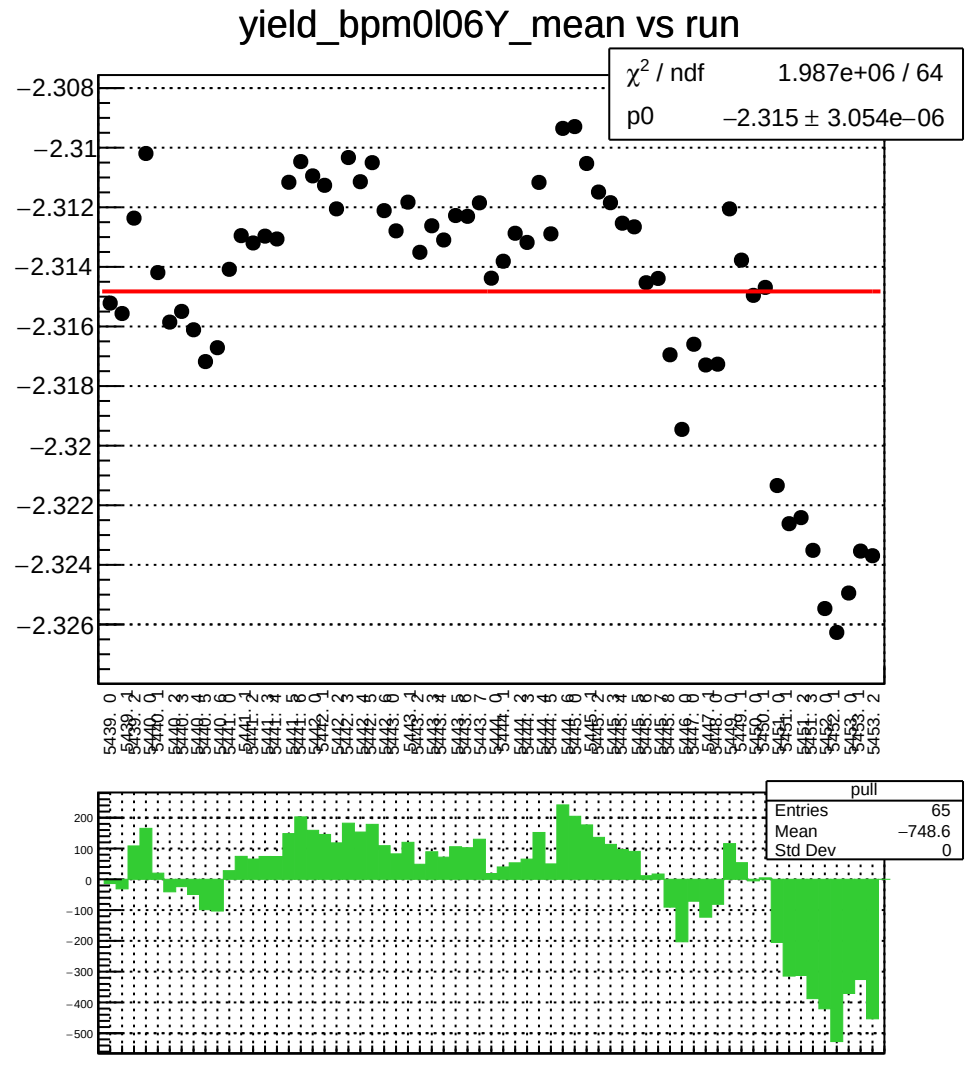

pull1D
Entries 65
Mean 3.692
Std Dev 2.431
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

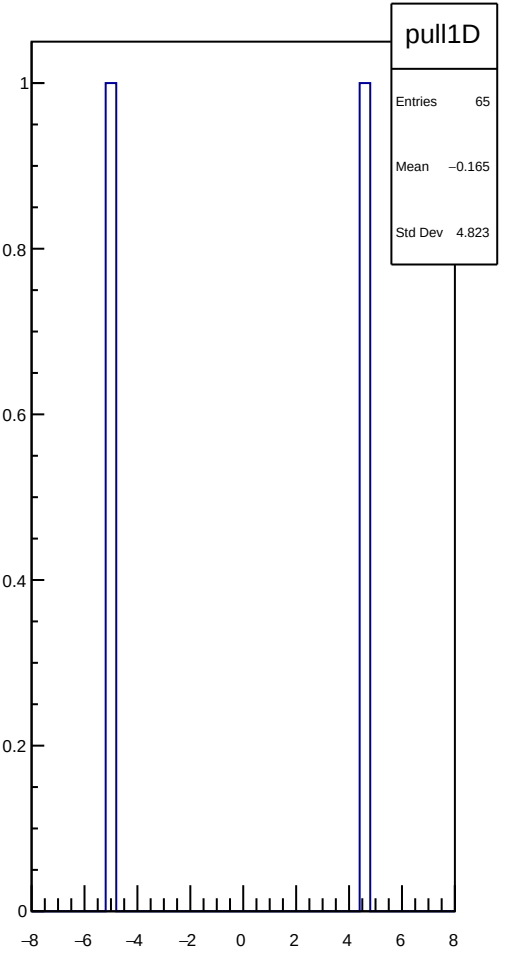

yield_bpm0l05Y_rms vs run
χ² / ndf 5.255e+04 / 64
p0 0.003643 ± 3.242e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

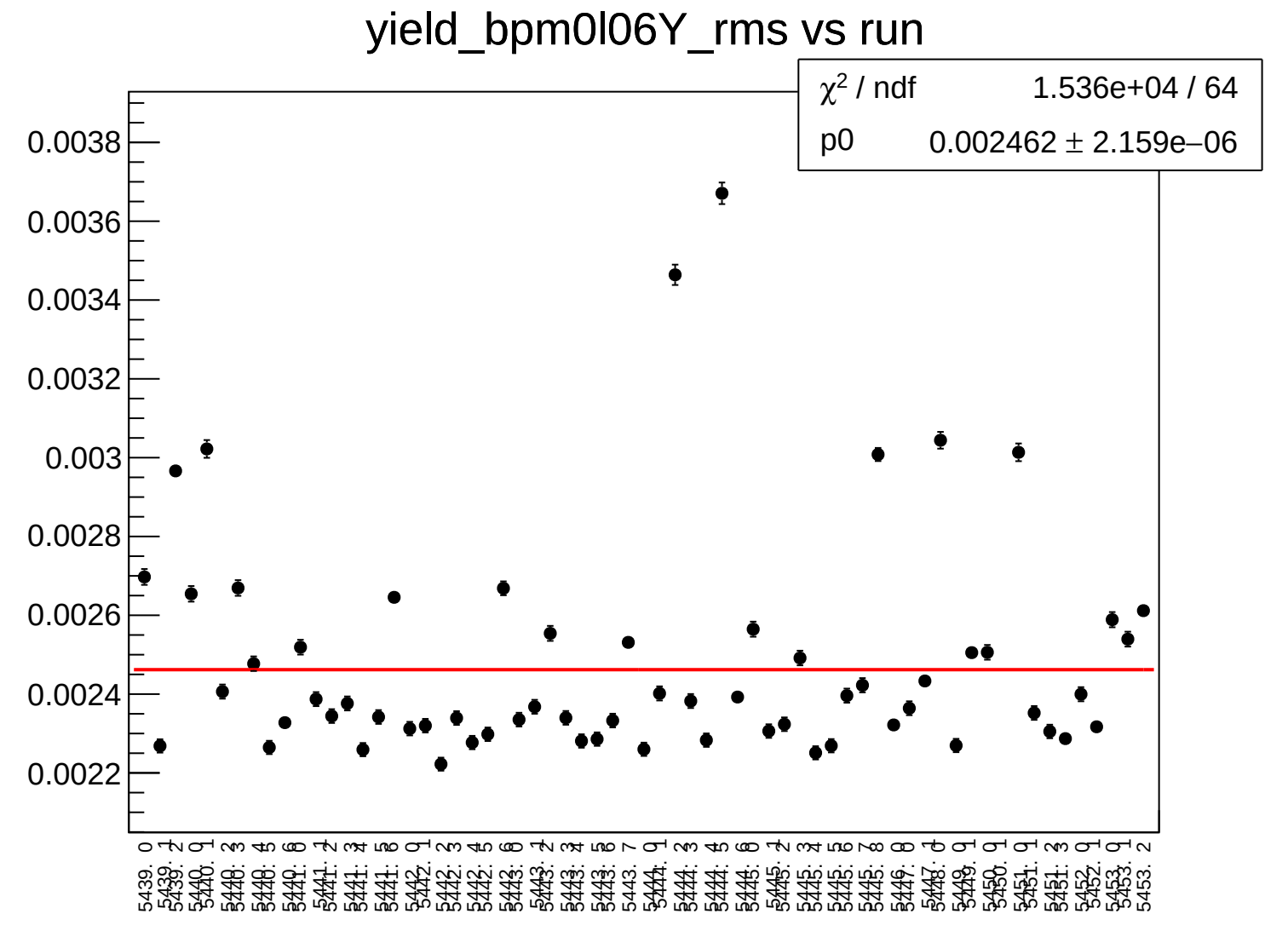

yield_bpm0l06X_mean vs run
χ² / ndf 1.429e+07 / 64
p0 1.916 ± 9.97e−06
1.98
1.96
1.94
1.92
1.9
1.88
1.86
1.84
pull
Entries 65
Mean −2039
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

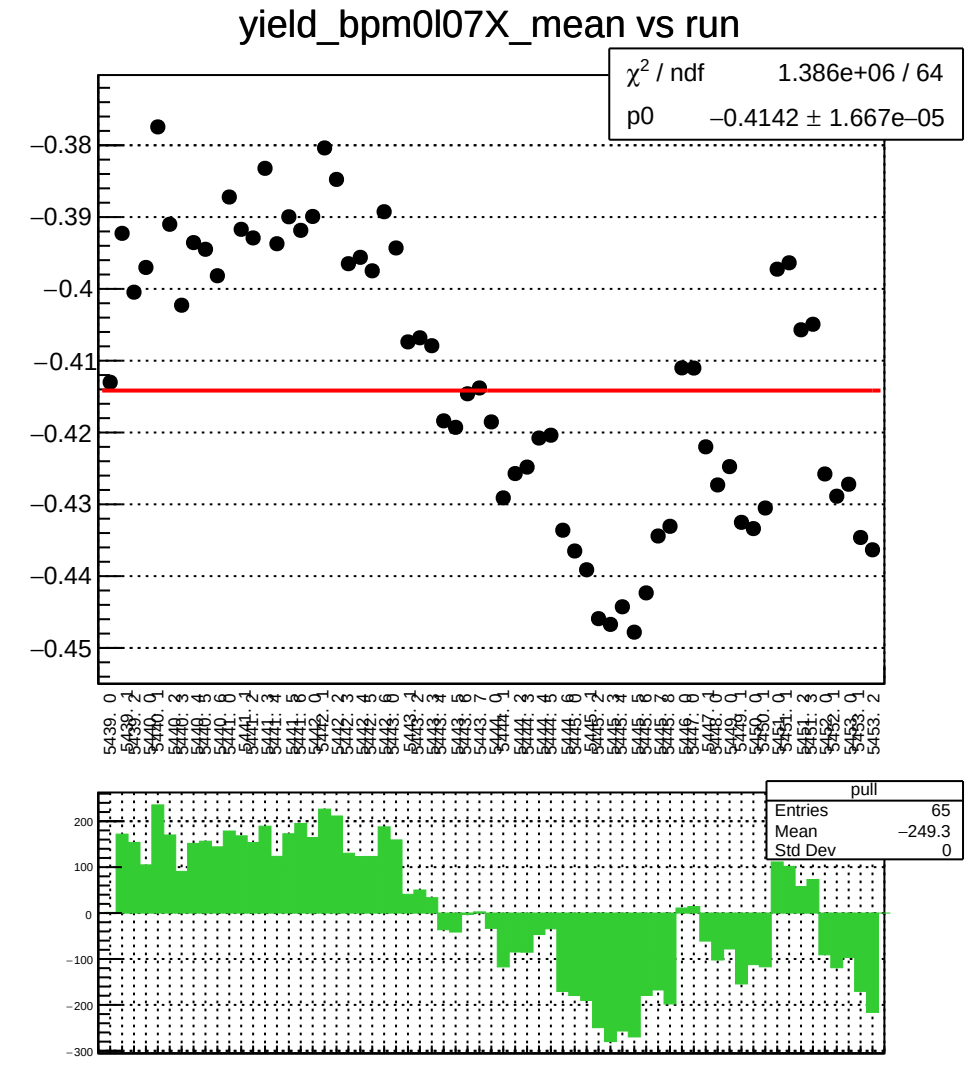

pull1D
Entries 65
Mean 7.884
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

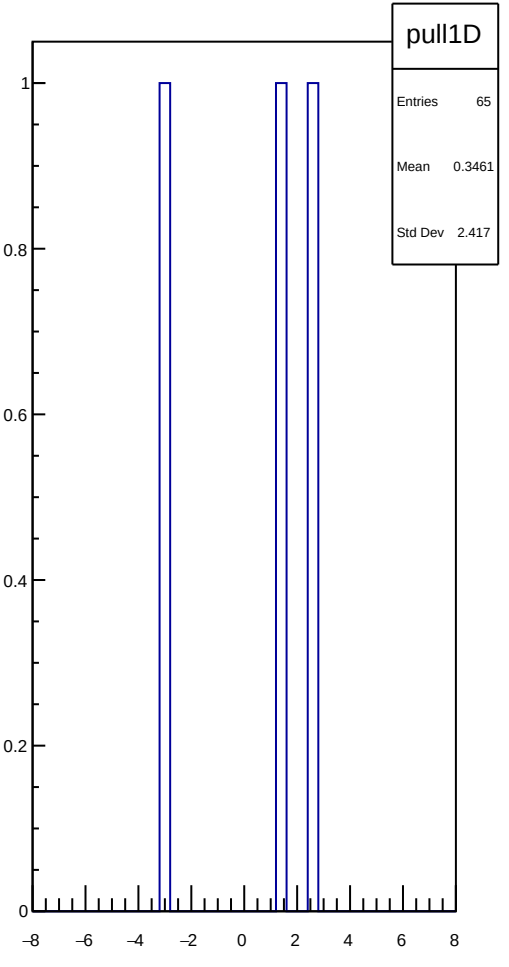

yield_bpm0l06X_rms vs run
χ² / ndf 6.711e+04 / 64
p0 0.007877 ± 7.05e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

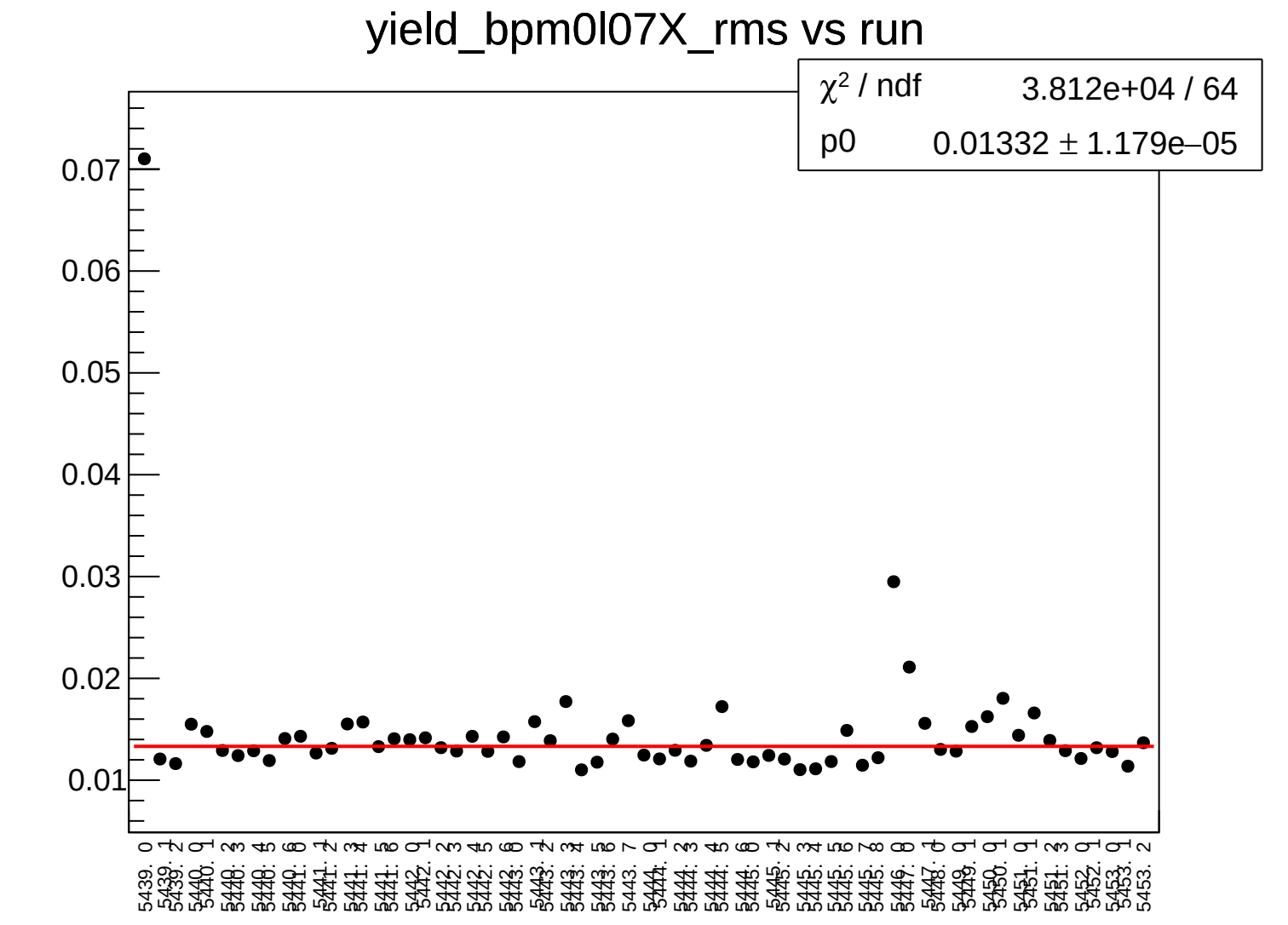

yield_bpm0l06Y_mean vs run
χ² / ndf 1.987e+06 / 64
p0 −2.315 ± 3.054e−06
−2.308
−2.31
−2.312
−2.314
−2.316
−2.318
−2.32
−2.322
−2.324
−2.326
pull
Entries 65
Mean −748.6
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

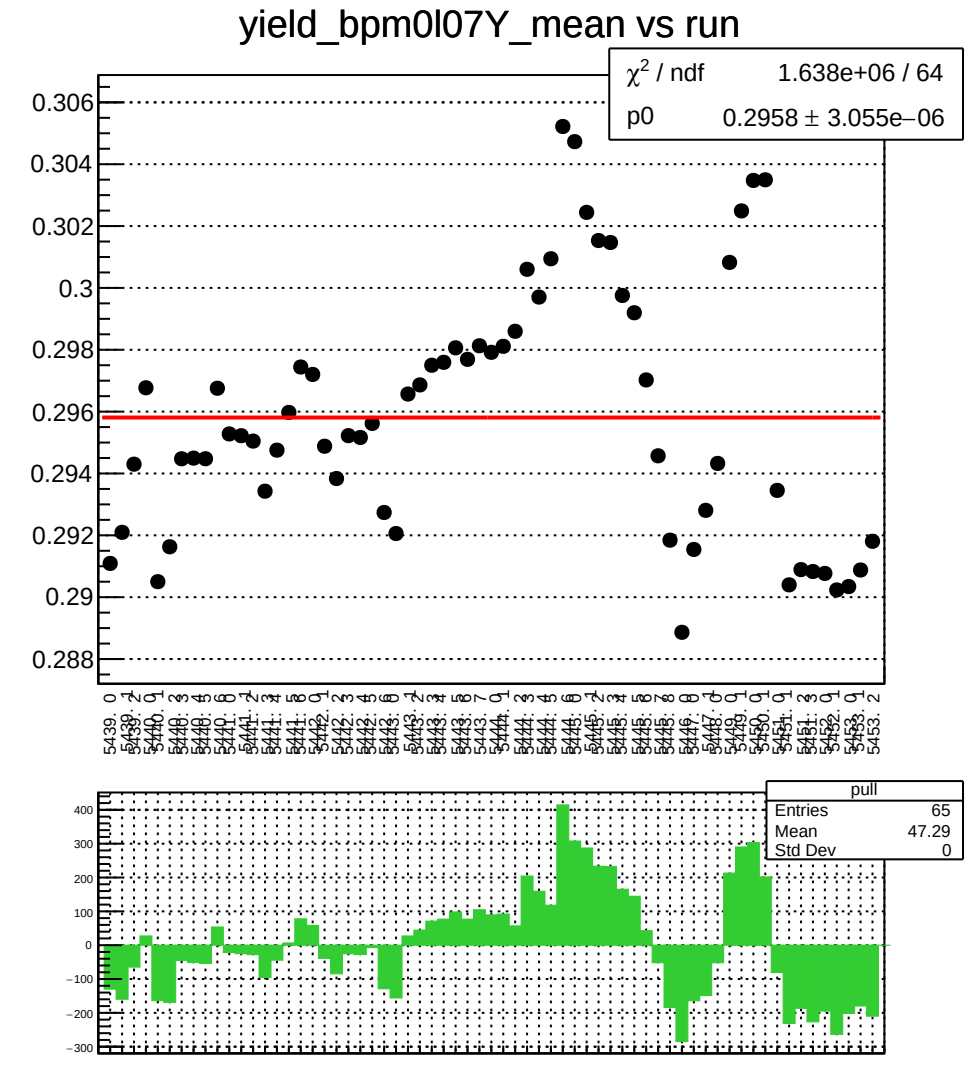

pull1D
Entries 65
Mean −0.165
Std Dev 4.823
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

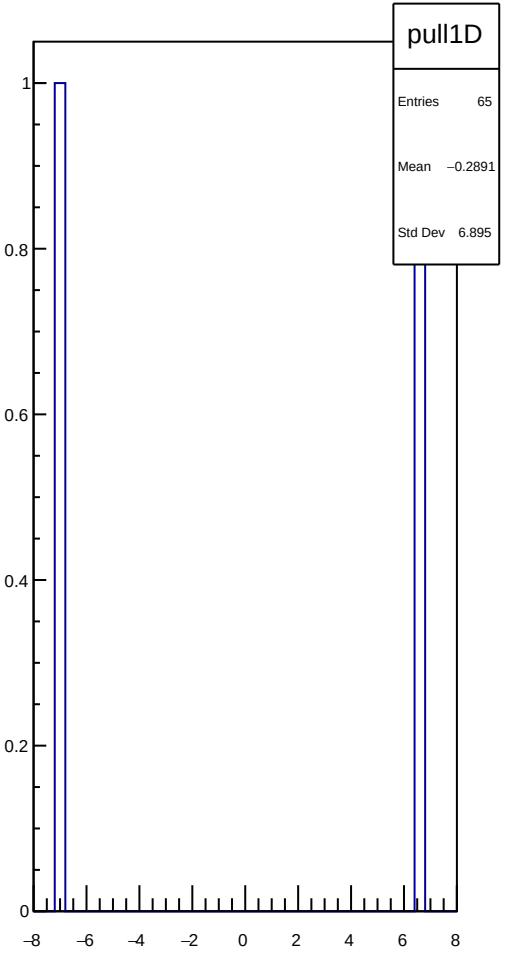

yield_bpm0l06Y_rms vs run
χ² / ndf 1.536e+04 / 64
p0 0.002462 ± 2.159e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

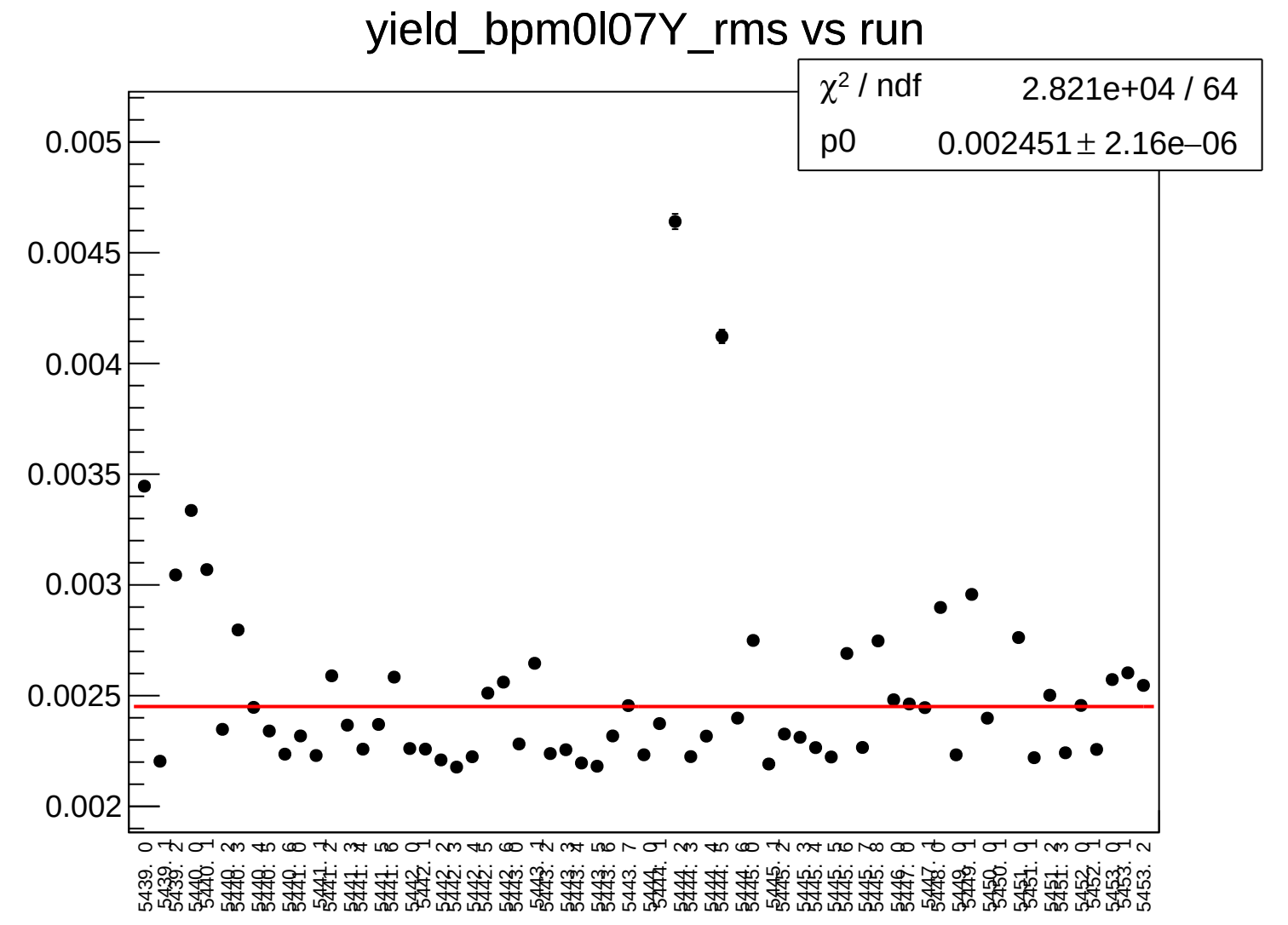

yield_bpm0l07X_mean vs run
χ² / ndf 1.386e+06 / 64
p0 −0.4142 ± 1.667e−05
−0.38
−0.39
−0.4
−0.41
−0.42
−0.43
−0.44
−0.45
pull
Entries 65
Mean −249.3
Std Dev 0
200
100
0
−100
−200
−300

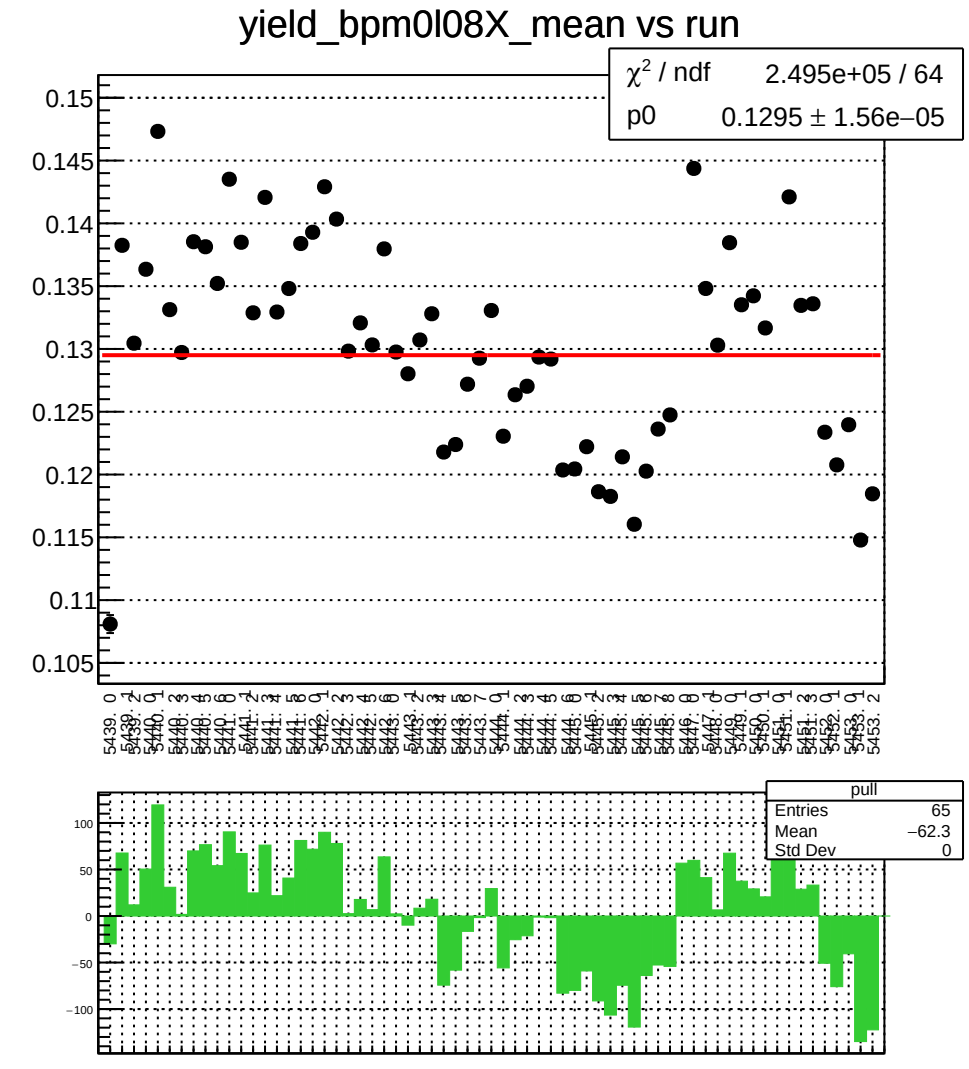

pull1D
Entries 65
Mean 0.3461
Std Dev 2.417
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

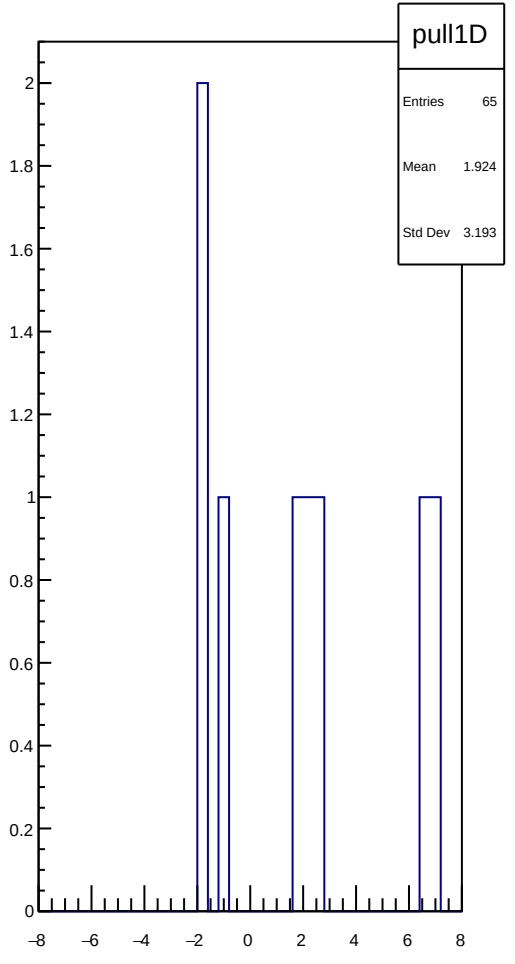

yield_bpm0l07X_rms vs run
χ² / ndf 3.812e+04 / 64
p0 0.01332 ± 1.179e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

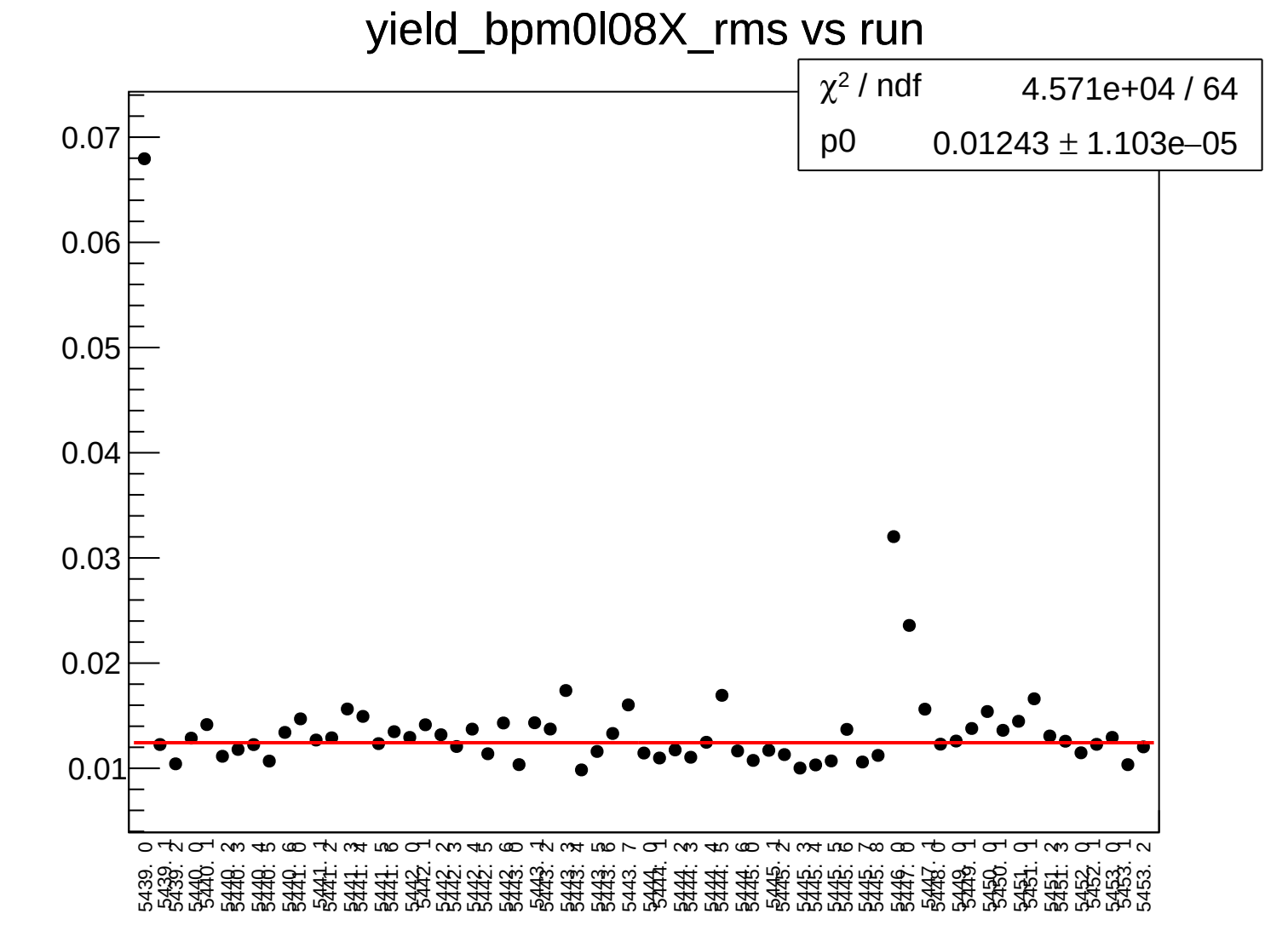

yield_bpm0l07Y_mean vs run
χ² / ndf 1.638e+06 / 64
p0 0.2958 ± 3.055e−06
0.306
0.304
0.302
0.3
0.298
0.296
0.294
0.292
0.29
0.288
pull
Entries 65
Mean 47.29
Std Dev 0
400
300
200
100
0
−100
−200
−300

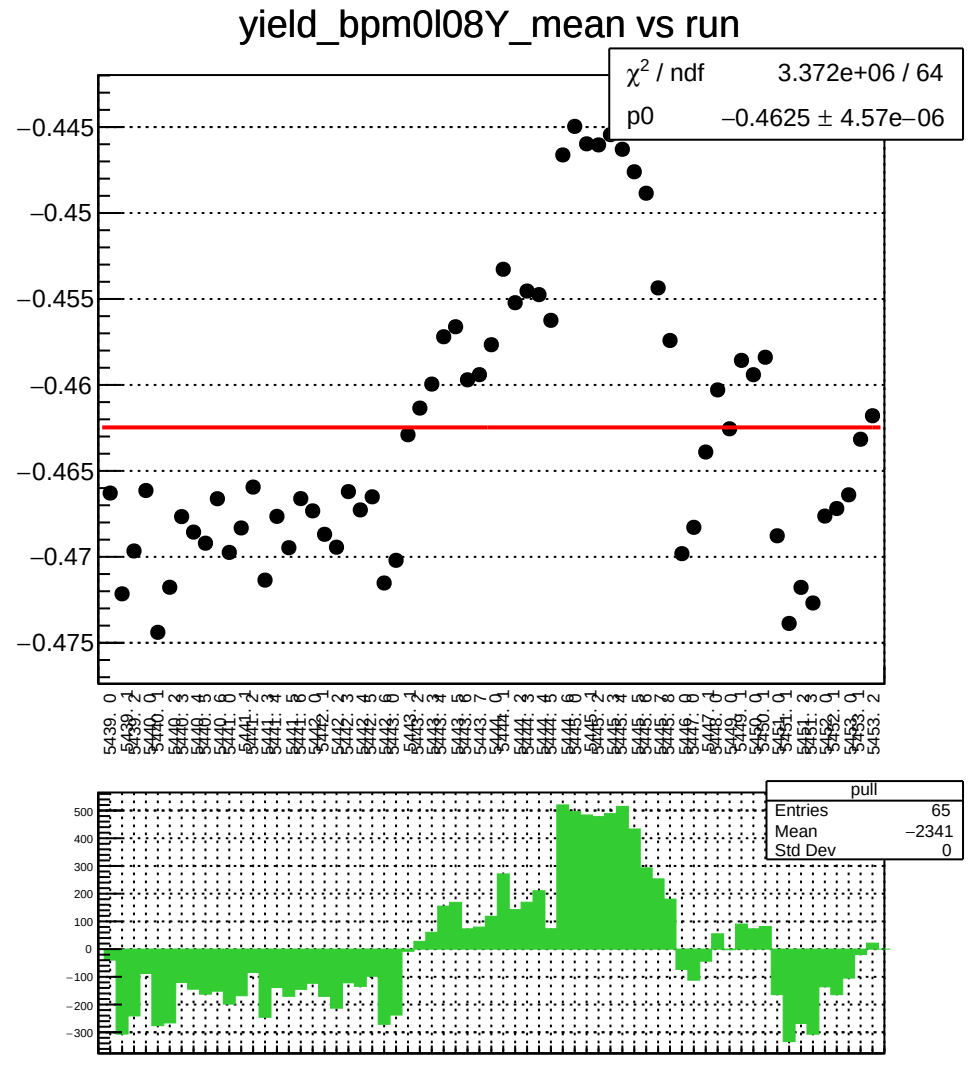

pull1D
Entries 65
Mean −0.2891
Std Dev 6.895
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

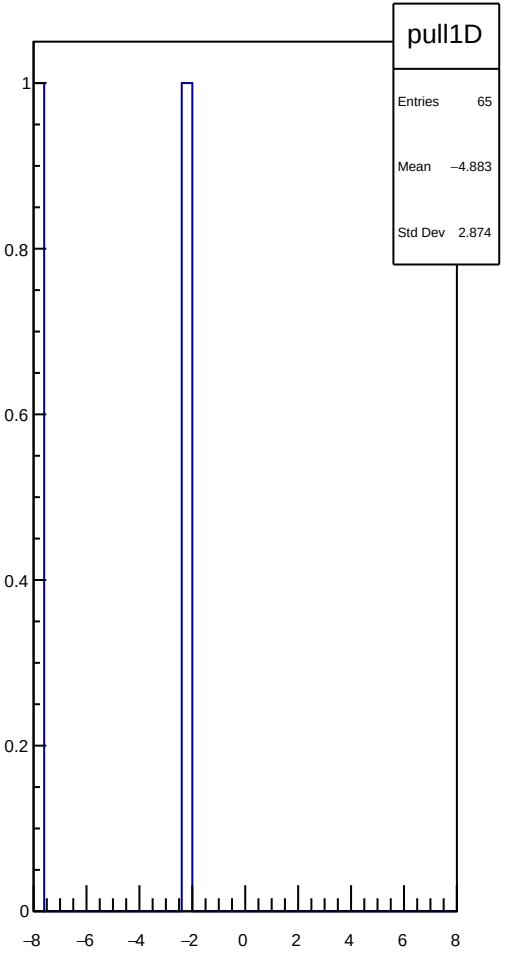

yield_bpm0l07Y_rms vs run
χ² / ndf 2.821e+04 / 64
p0 0.002451 ± 2.16e–06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

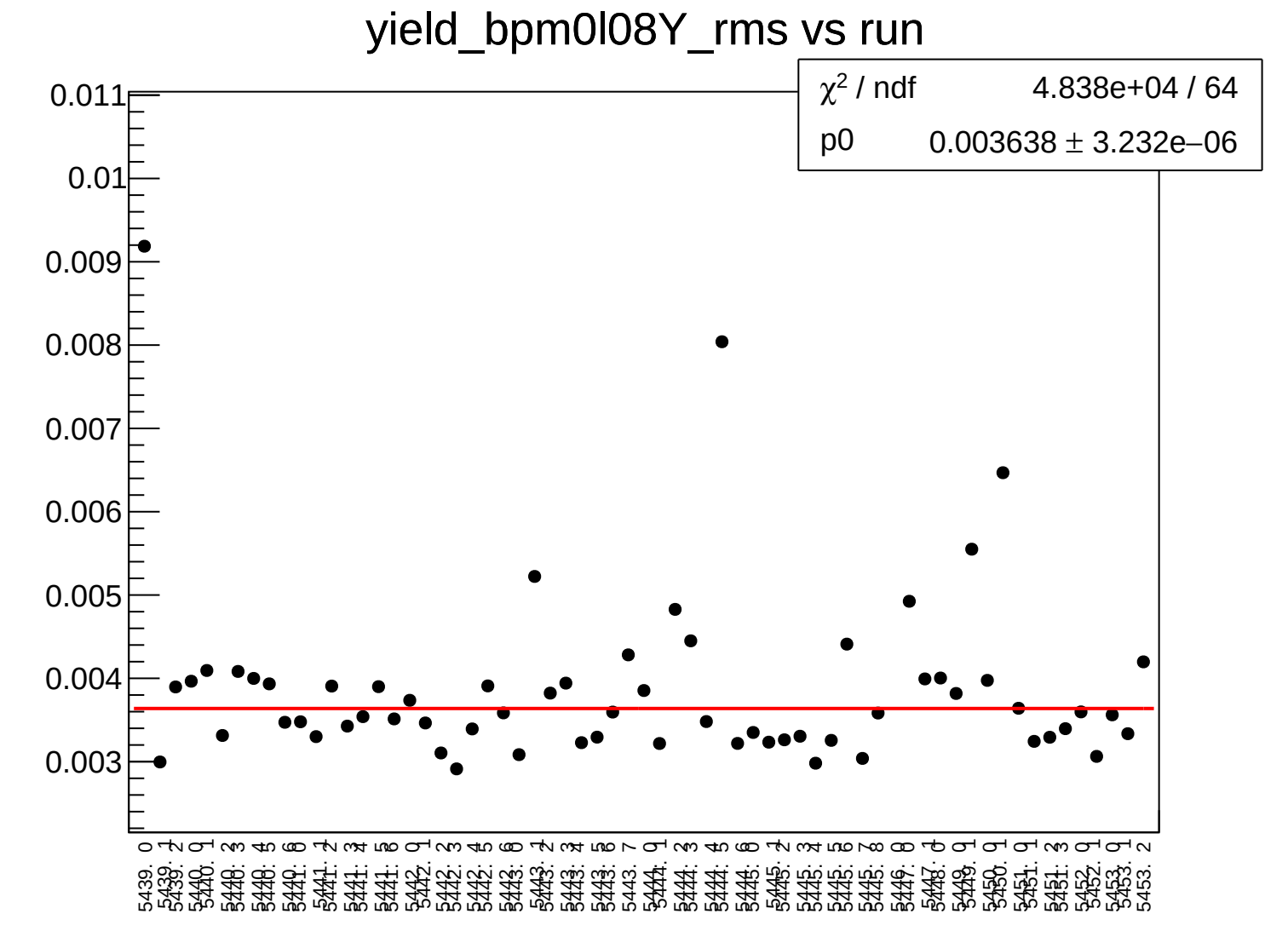

yield_bpm0l08X_mean vs run
χ² / ndf 2.495e+05 / 64
p0 0.1295 ± 1.56e−05
pull
Entries 65
Mean −62.3
Std Dev 0

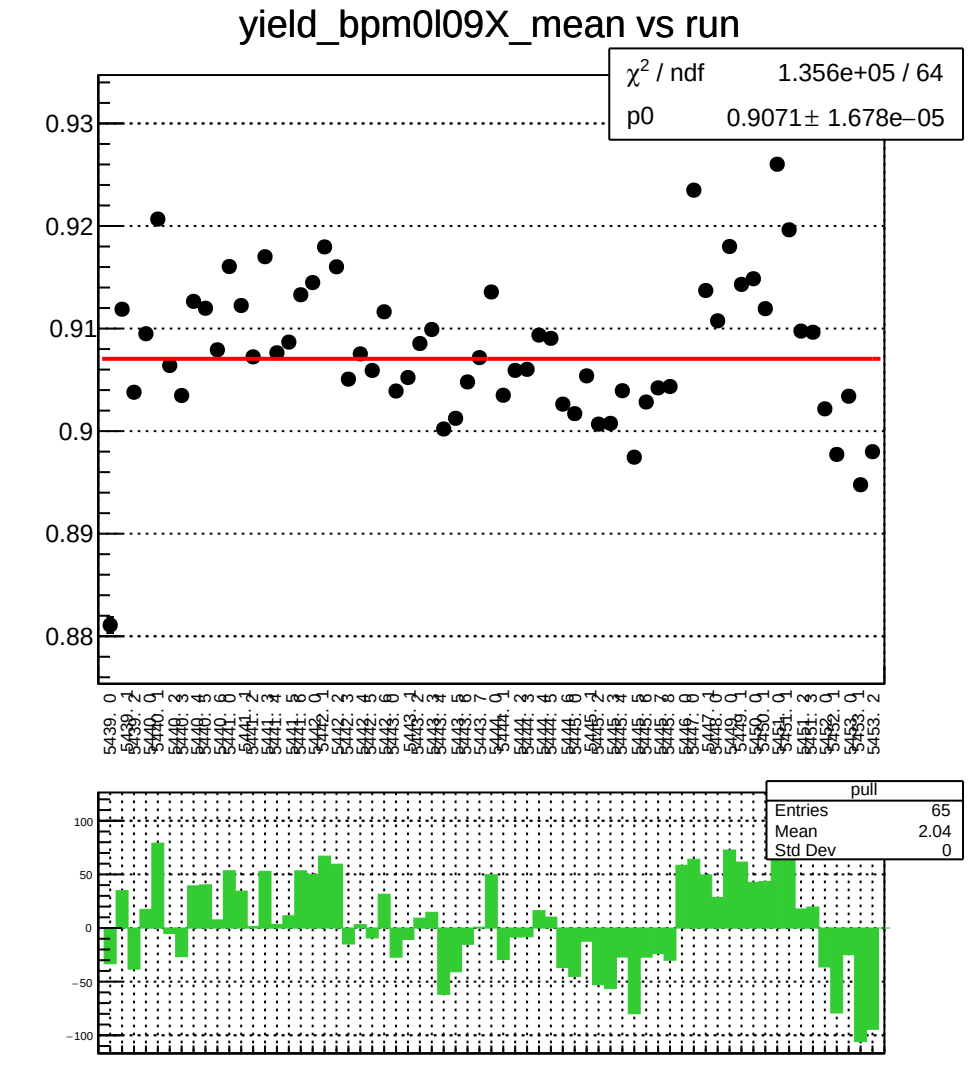

pull1D
Entries 65
Mean 1.924
Std Dev 3.193

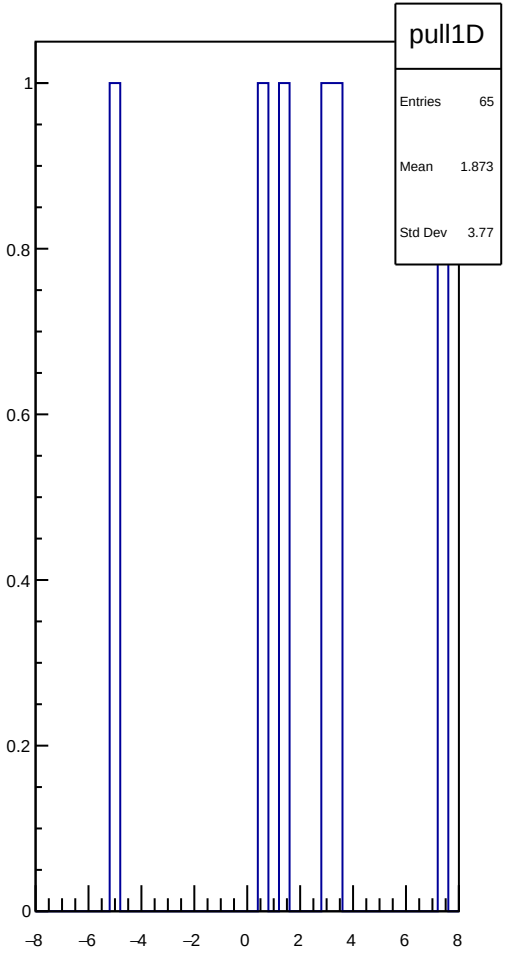

yield_bpm0l08X_rms vs run
χ² / ndf 4.571e+04 / 64
p0 0.01243 ± 1.103e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

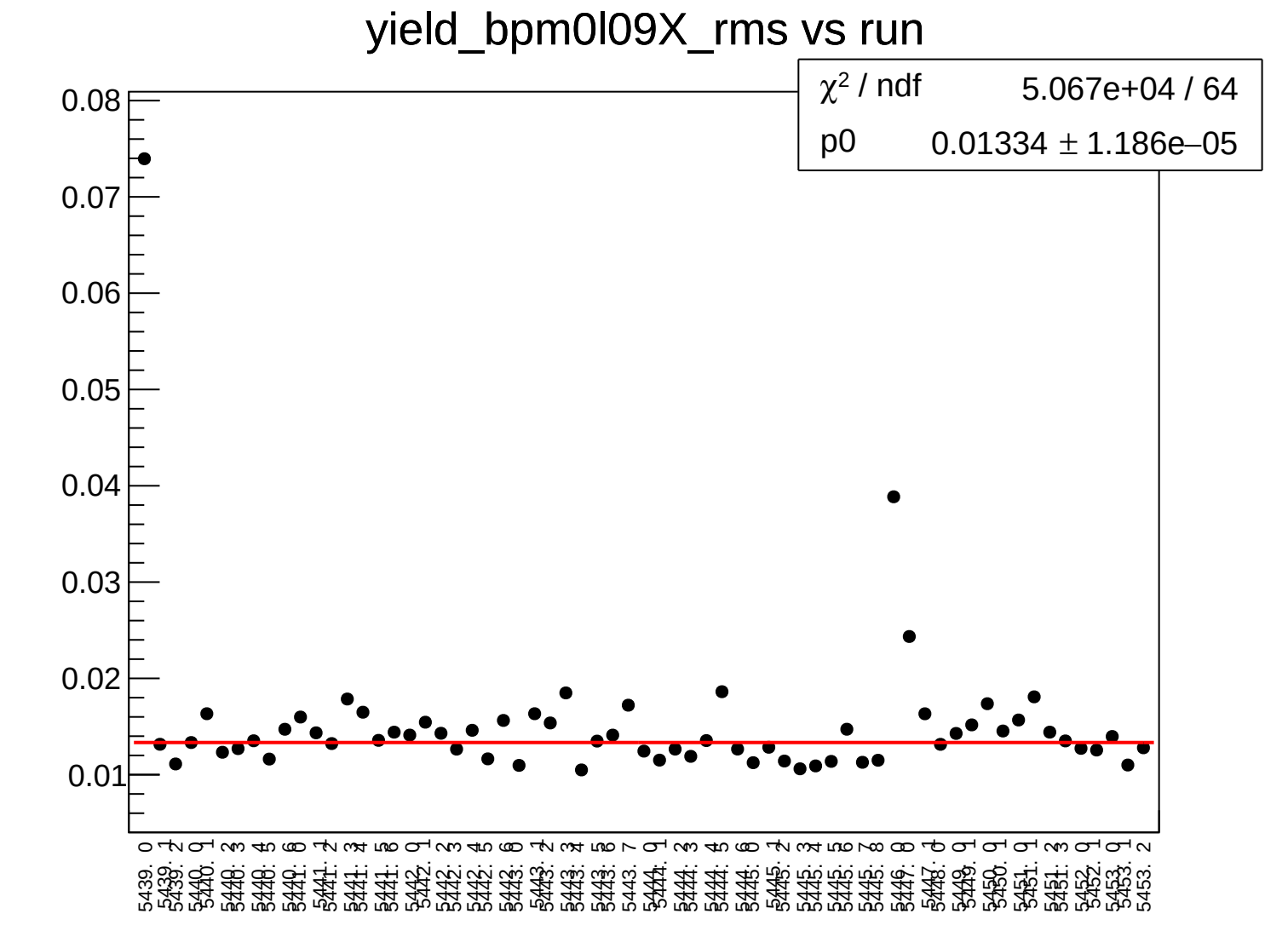

yield_bpm0l08Y_mean vs run
χ² / ndf 3.372e+06 / 64
p0 −0.4625 ± 4.57e−06
−0.445
−0.45
−0.455
−0.46
−0.465
−0.47
−0.475
pull
Entries 65
Mean −2341
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

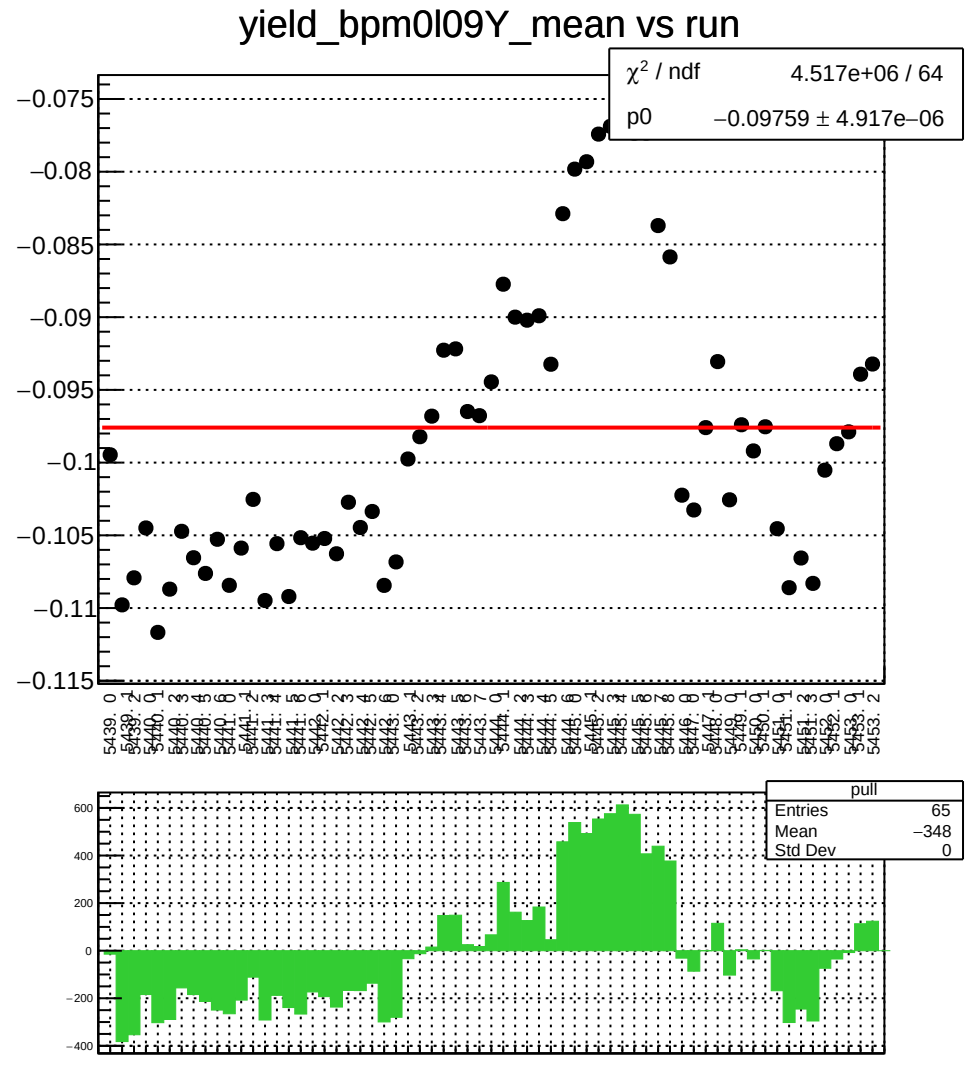

pull1D
Entries 65
Mean −4.883
Std Dev 2.874
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

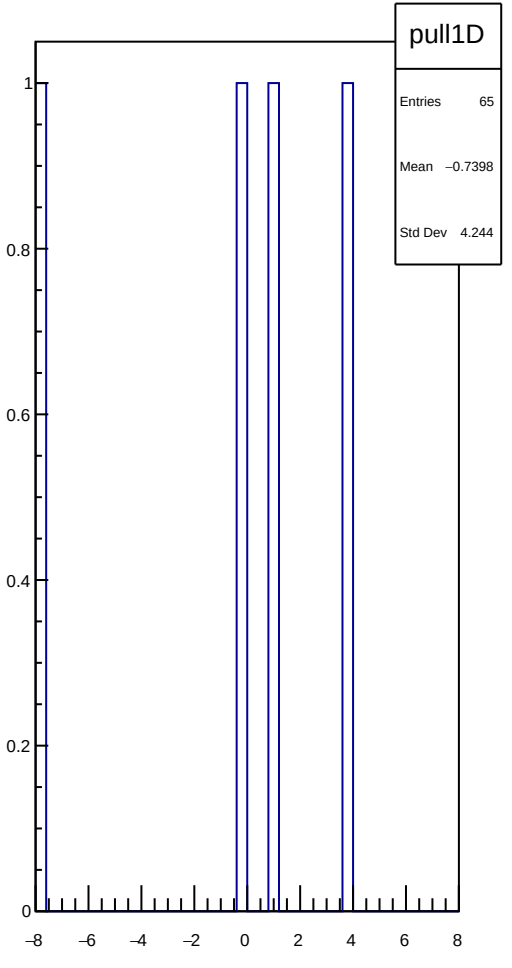

yield_bpm0l08Y_rms vs run
χ² / ndf 4.838e+04 / 64
p0 0.003638 ± 3.232e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

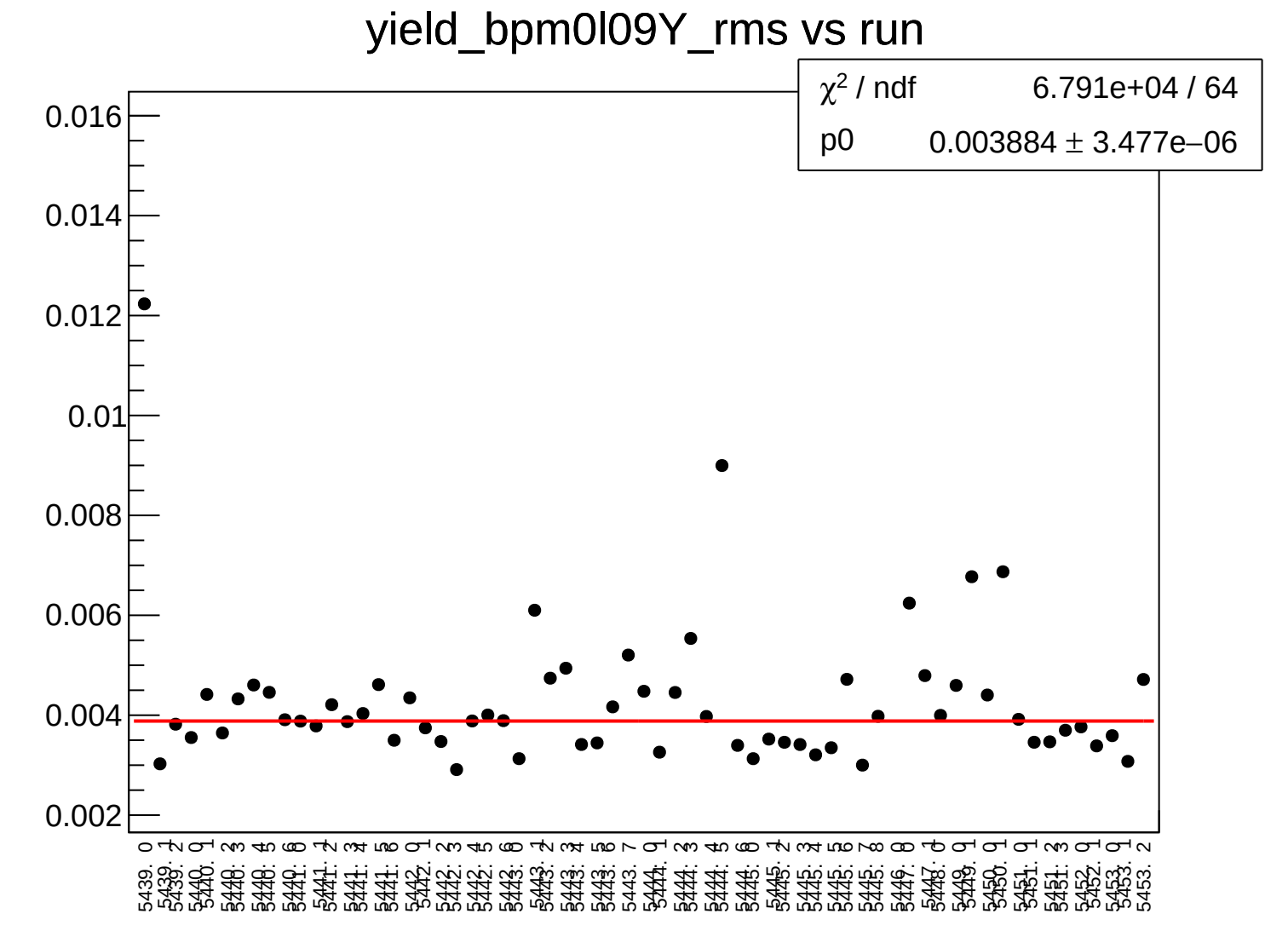

yield_bpm0l09X_mean vs run
χ² / ndf 1.356e+05 / 64
p0 0.9071 ± 1.678e−05
0.93
0.92
0.91
0.9
0.89
0.88
pull
Entries 65
Mean 2.04
Std Dev 0
100
50
0
−50
−100

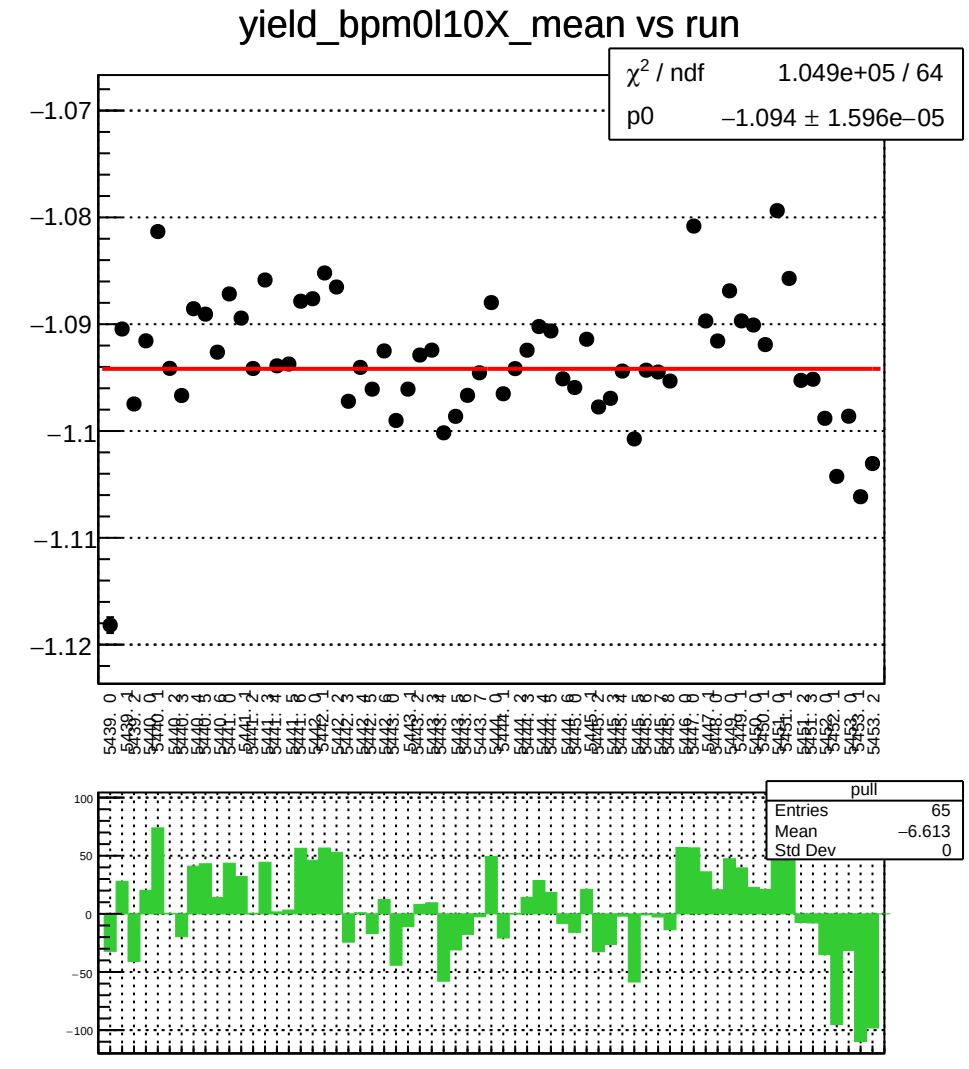

pull1D
Entries 65
Mean 1.873
Std Dev 3.77
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

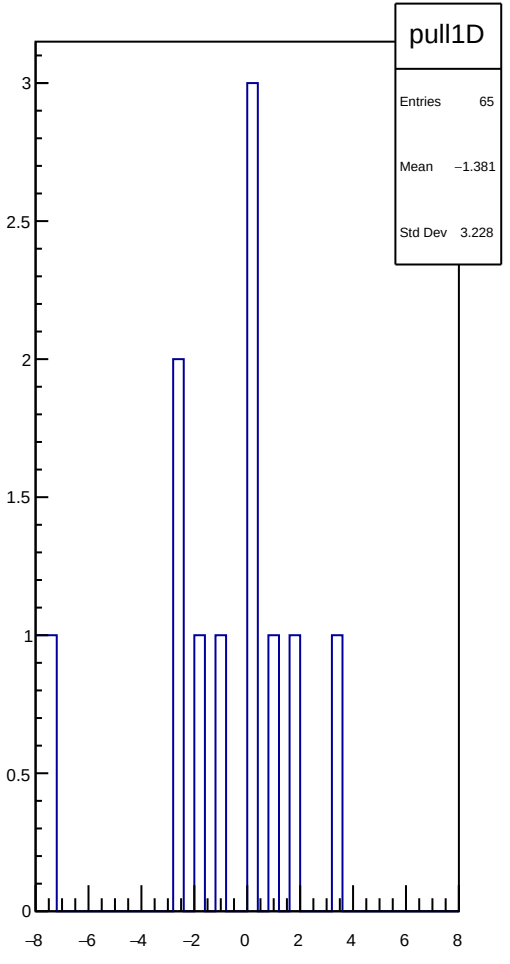

yield_bpm0l09X_rms vs run
χ² / ndf 5.067e+04 / 64
p0 0.01334 ± 1.186e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

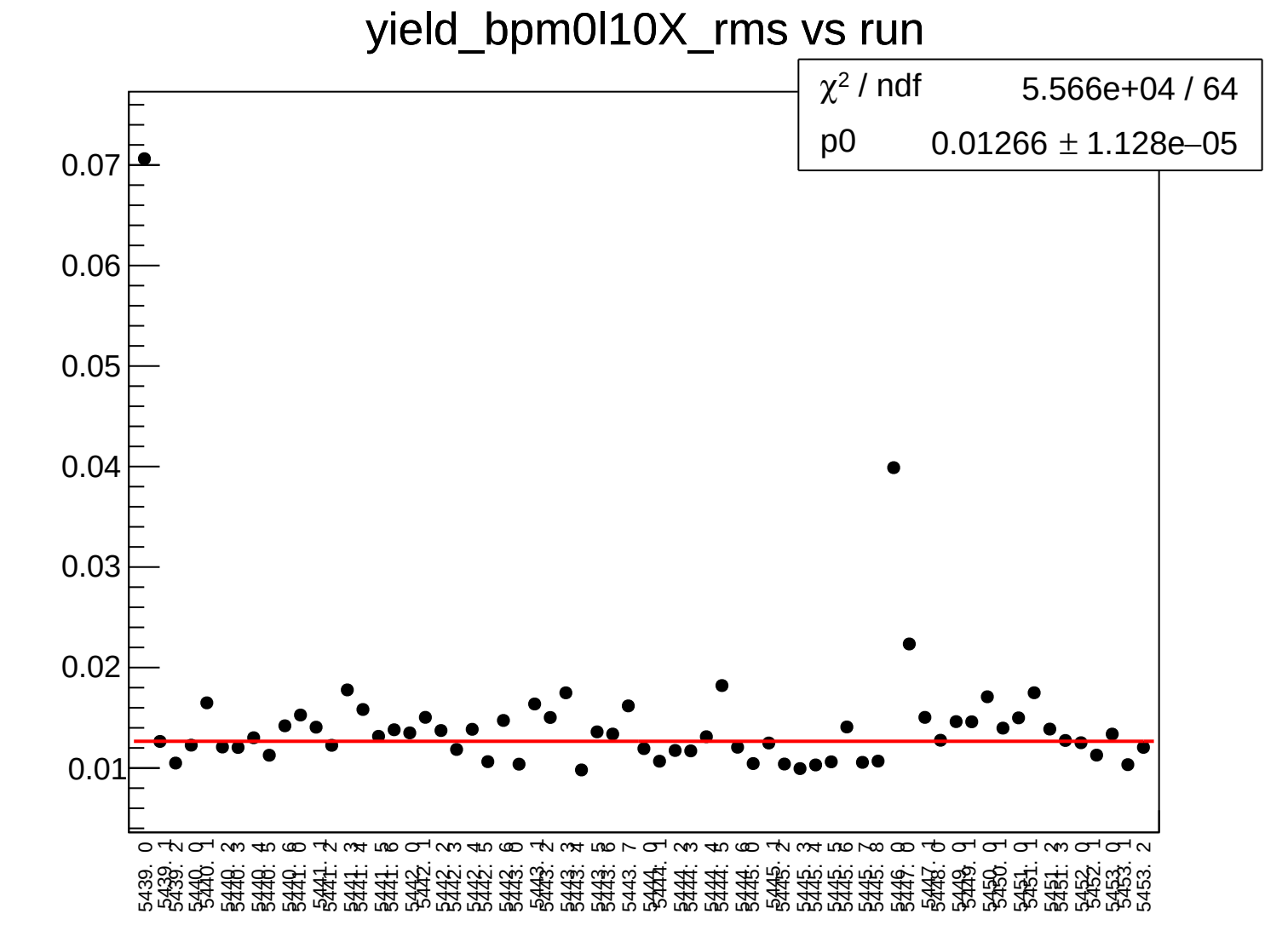

yield_bpm0l09Y_mean vs run
χ² / ndf 4.517e+06 / 64
p0 −0.09759 ± 4.917e−06
−0.075
−0.08
−0.085
−0.09
−0.095
−0.1
−0.105
−0.11
−0.115
pull
Entries 65
Mean −348
Std Dev 0
600
400
200
0
−200
−400

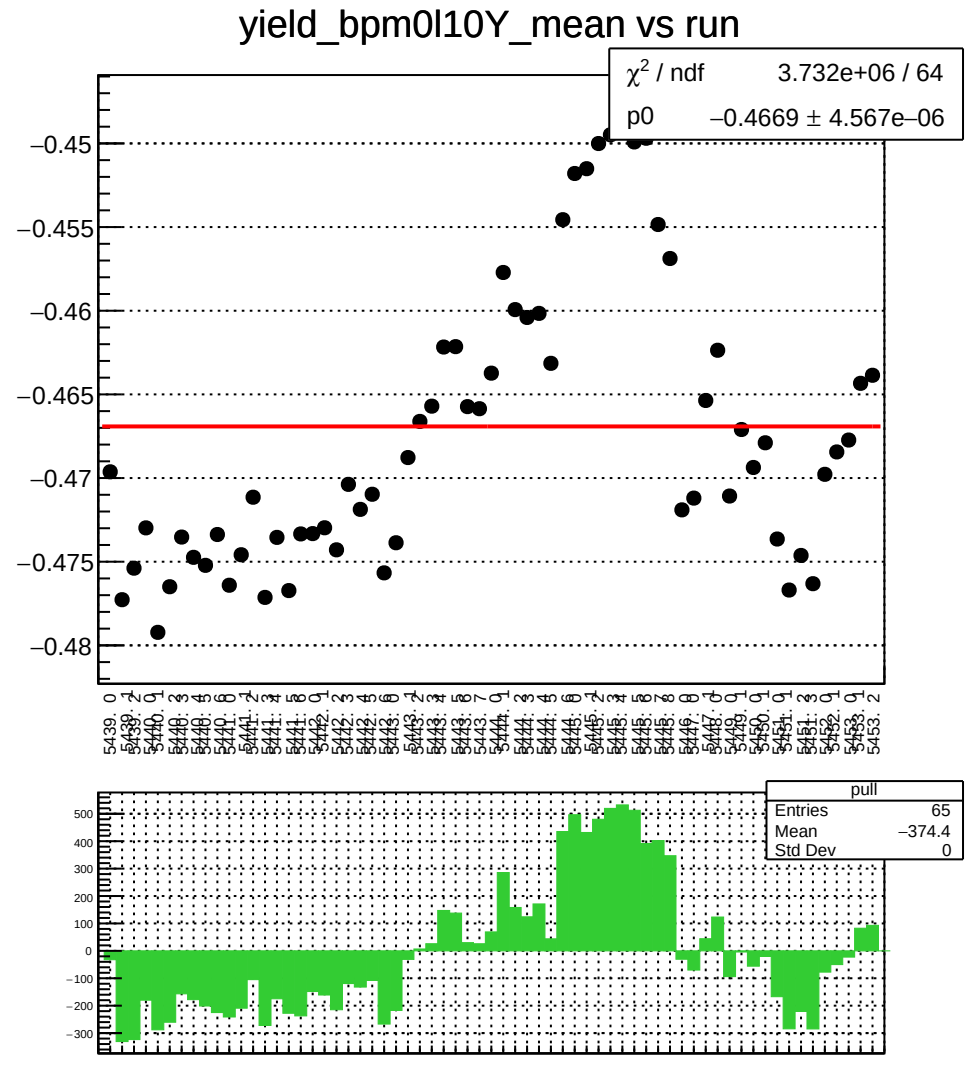

pull1D
Entries 65
Mean −0.7398
Std Dev 4.244
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

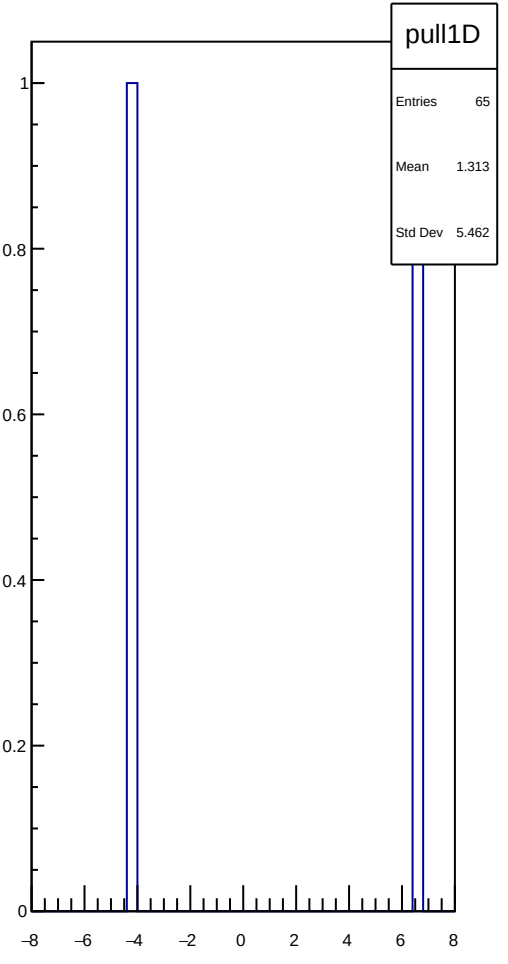

yield_bpm0l09Y_rms vs run
χ² / ndf 6.791e+04 / 64
p0 0.003884 ± 3.477e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

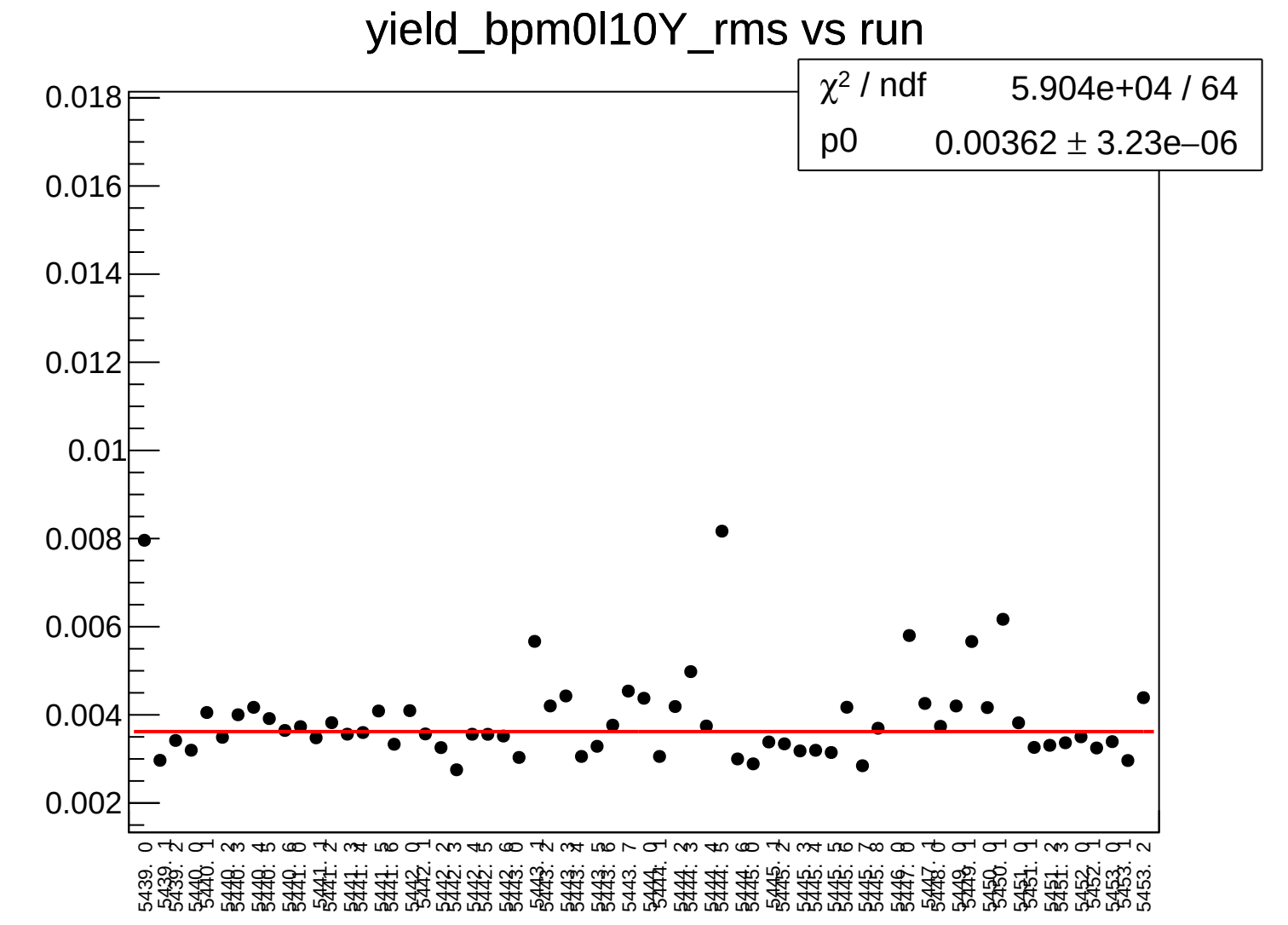

yield_bpm0l10X_mean vs run
χ² / ndf 1.049e+05 / 64
p0 −1.094 ± 1.596e−05
−1.07
−1.08
−1.09
−1.1
−1.11
−1.12
pull
Entries 65
Mean −6.613
Std Dev 0
100
50
0
−50
−100

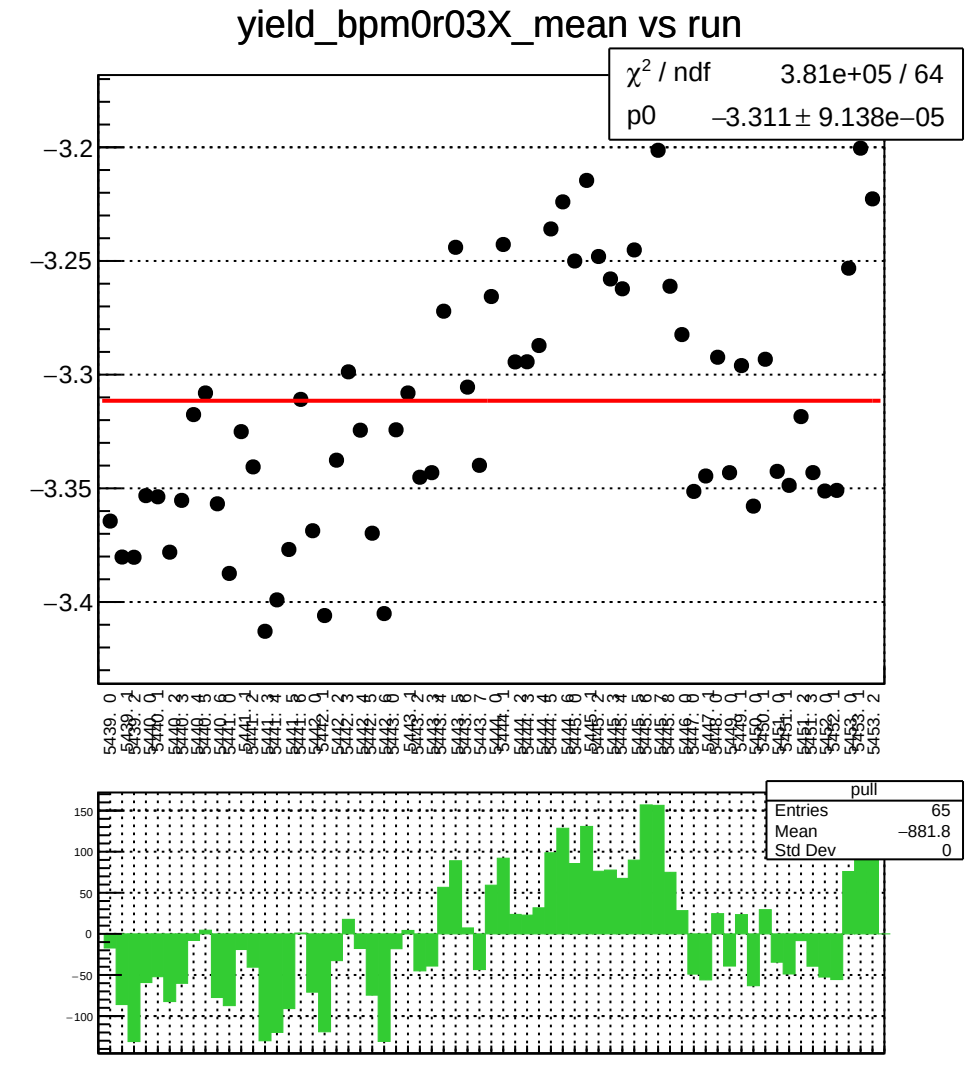

pull1D
Entries 65
Mean −1.381
Std Dev 3.228
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

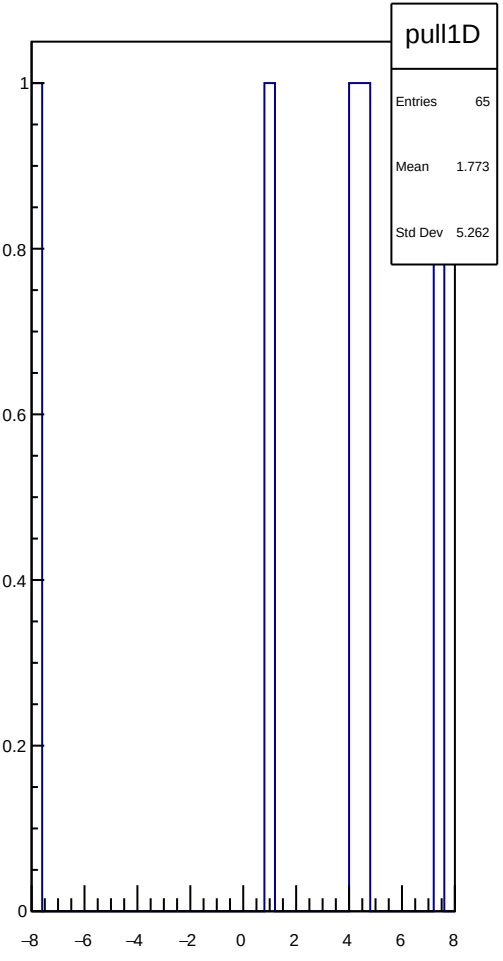

yield_bpm0l10X_rms vs run
χ² / ndf 5.566e+04 / 64
p0 0.01266 ± 1.128e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

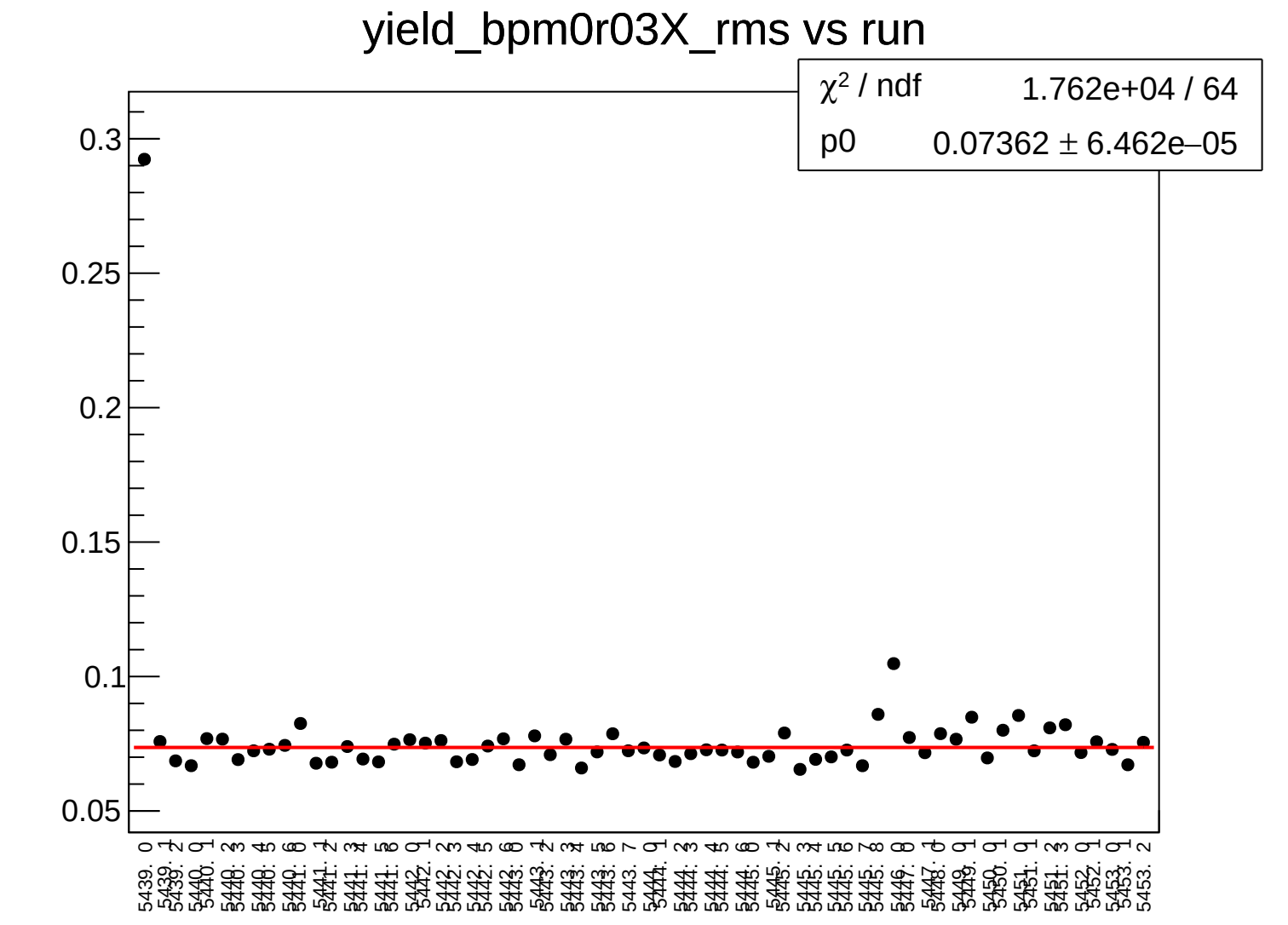

yield_bpm0l10Y_mean vs run
χ² / ndf 3.732e+06 / 64
p0 −0.4669 ± 4.567e−06
−0.45
−0.455
−0.46
−0.465
−0.47
−0.475
−0.48
pull
Entries 65
Mean −374.4
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

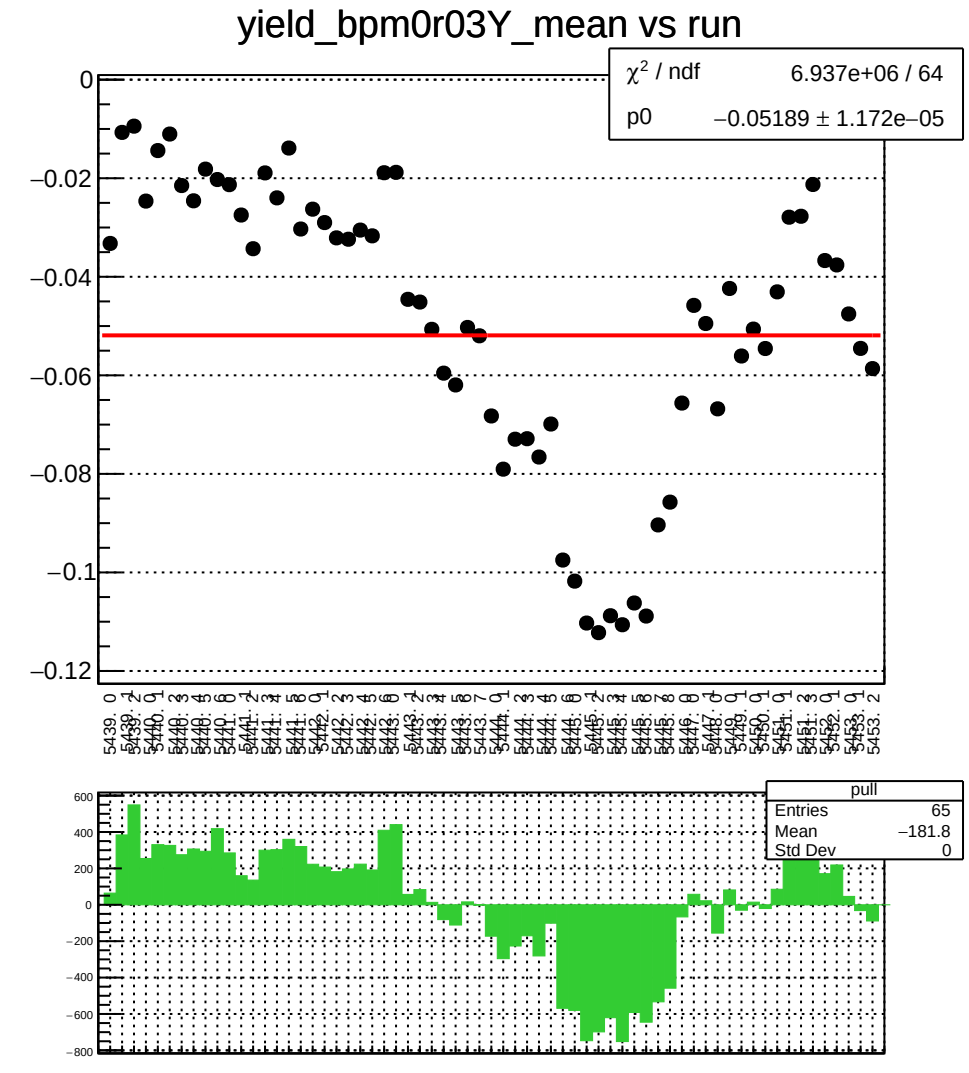

pull1D
Entries 65
Mean 1.313
Std Dev 5.462
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

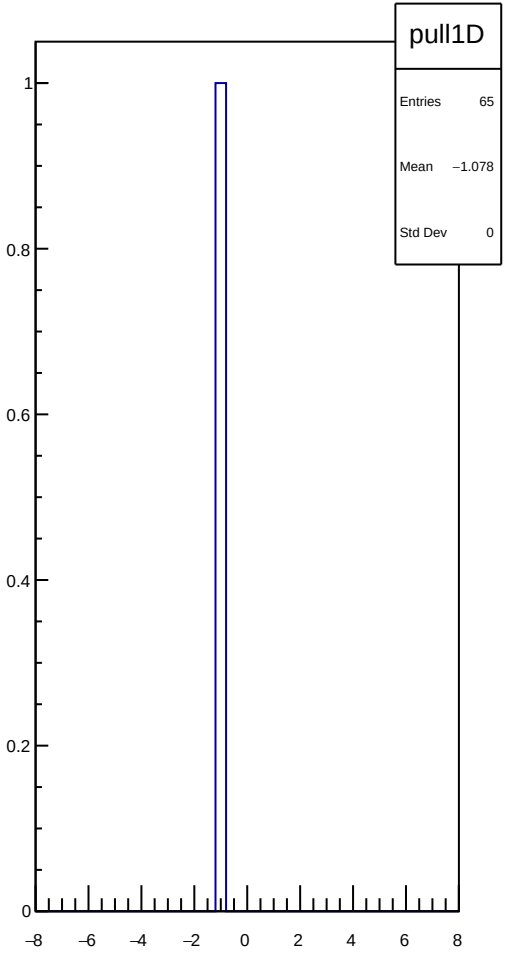

yield_bpm0l10Y_rms vs run
χ² / ndf 5.904e+04 / 64
p0 0.00362 ± 3.23e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

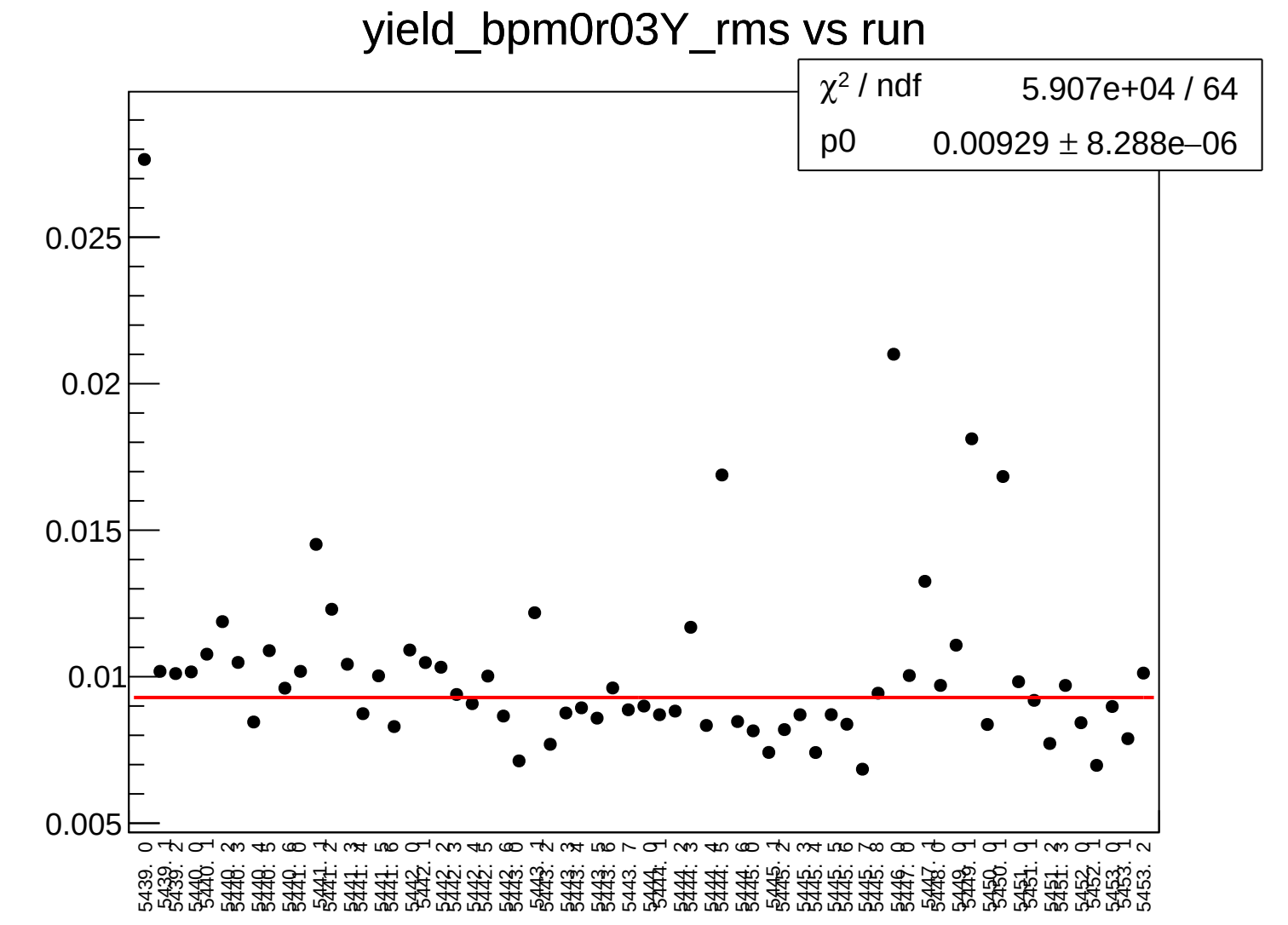

yield_bpm0r03X_mean vs run
χ² / ndf 3.81e+05 / 64
p0 −3.311 ± 9.138e−05
−3.2
−3.25
−3.3
−3.35
−3.4
pull
Entries 65
Mean −881.8
Std Dev 0
150
100
50
0
−50
−100

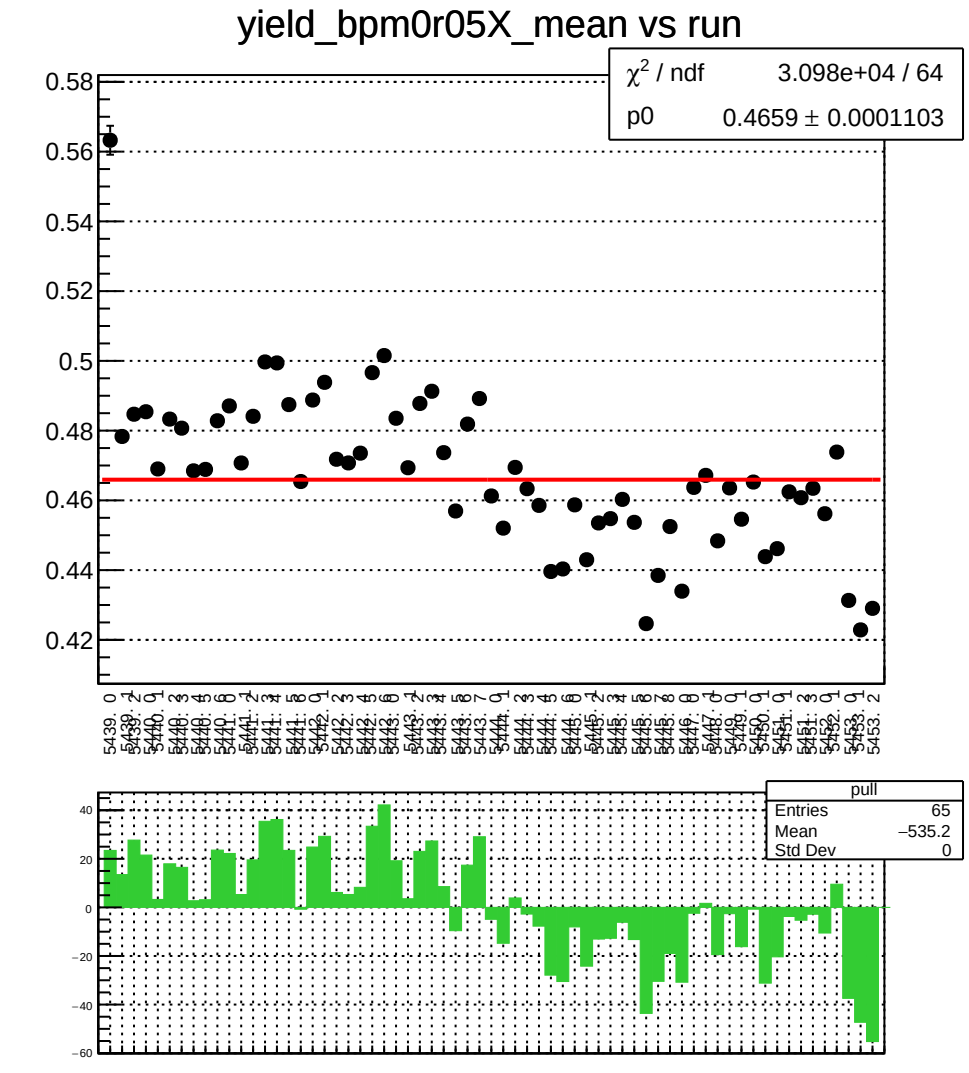

pull1D
Entries 65
Mean 1.773
Std Dev 5.262
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

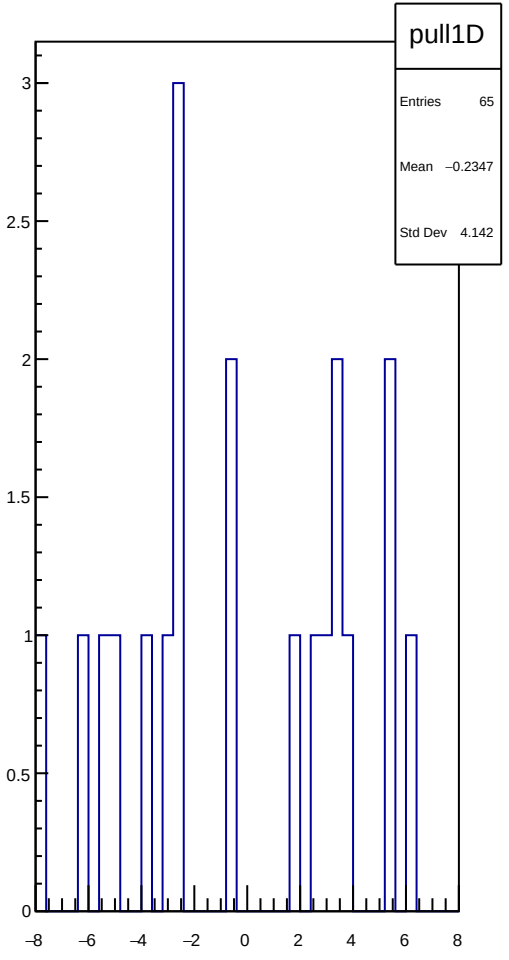

yield_bpm0r03X_rms vs run
χ² / ndf 1.762e+04 / 64
p0 0.07362 ± 6.462e–05
0.3
0.25
0.2
0.15
0.1
0.05

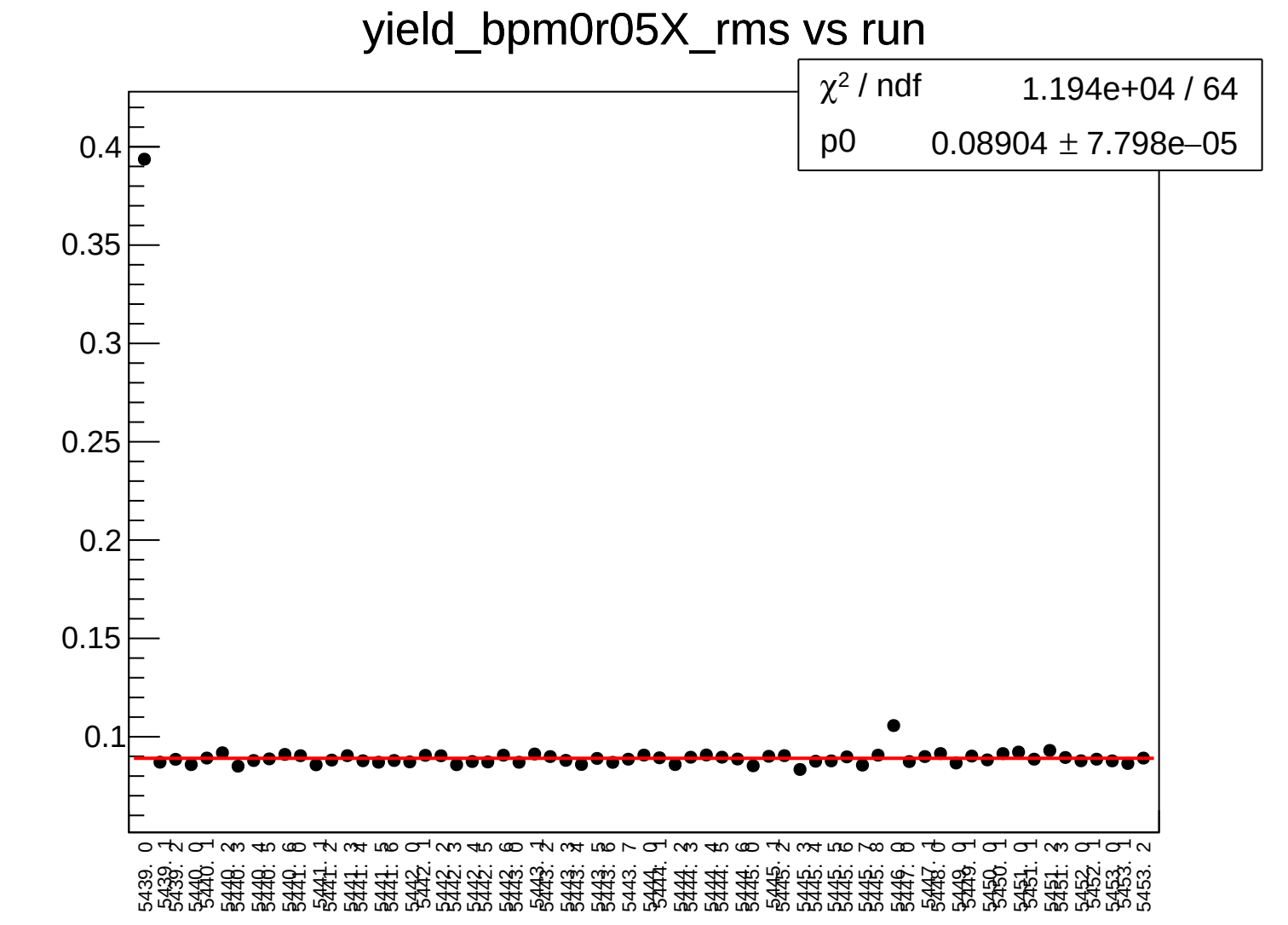

yield_bpm0r03Y_mean vs run
χ² / ndf 6.937e+06 / 64
p0 −0.05189 ± 1.172e−05
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 65
Mean −181.8
Std Dev 0
600
400
200
0
−200
−400
−600
−800

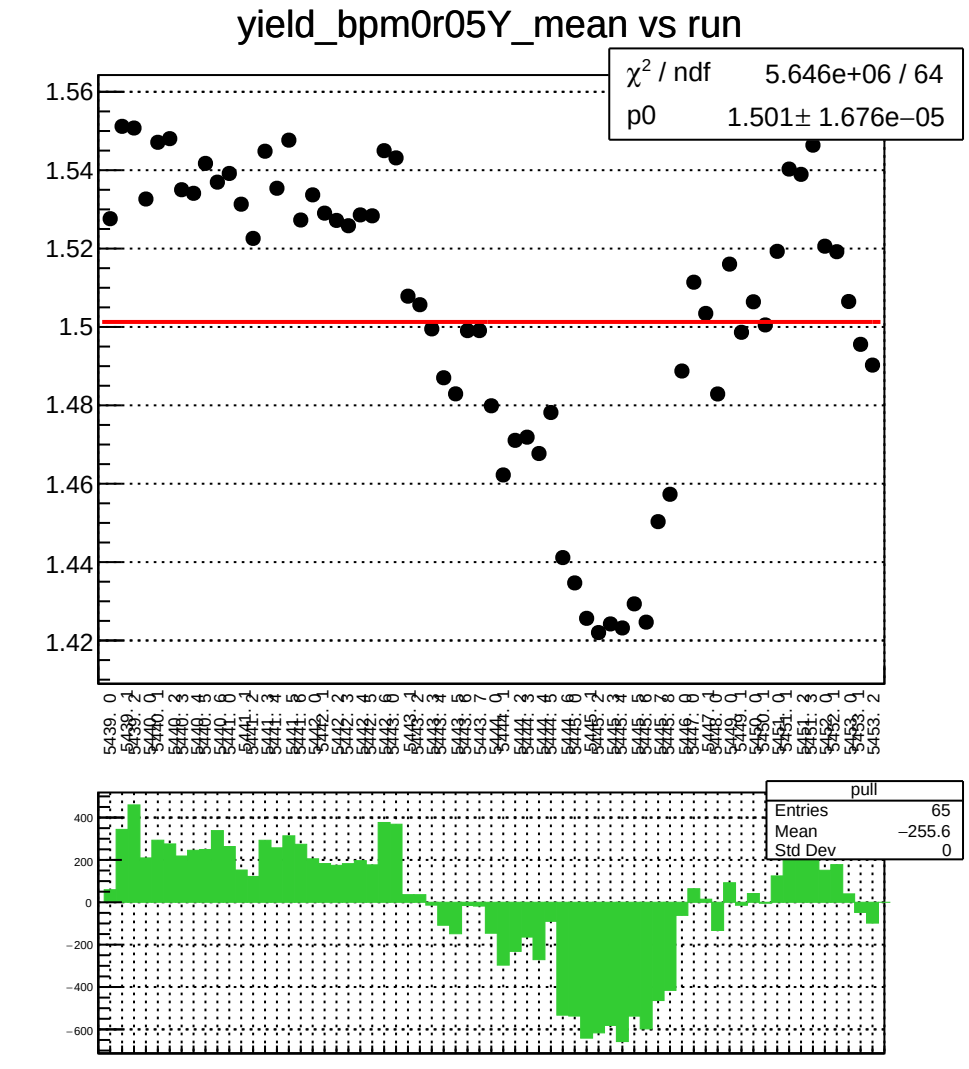

pull1D
Entries 65
Mean −1.078
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

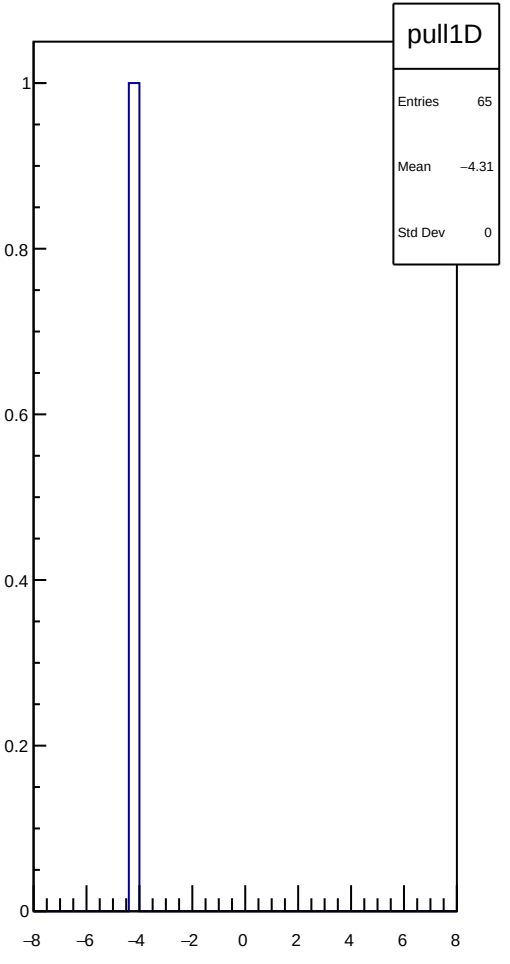

yield_bpm0r03Y_rms vs run
χ² / ndf 5.907e+04 / 64
p0 0.00929 ± 8.288e–06
0.025
0.02
0.015
0.01
0.005

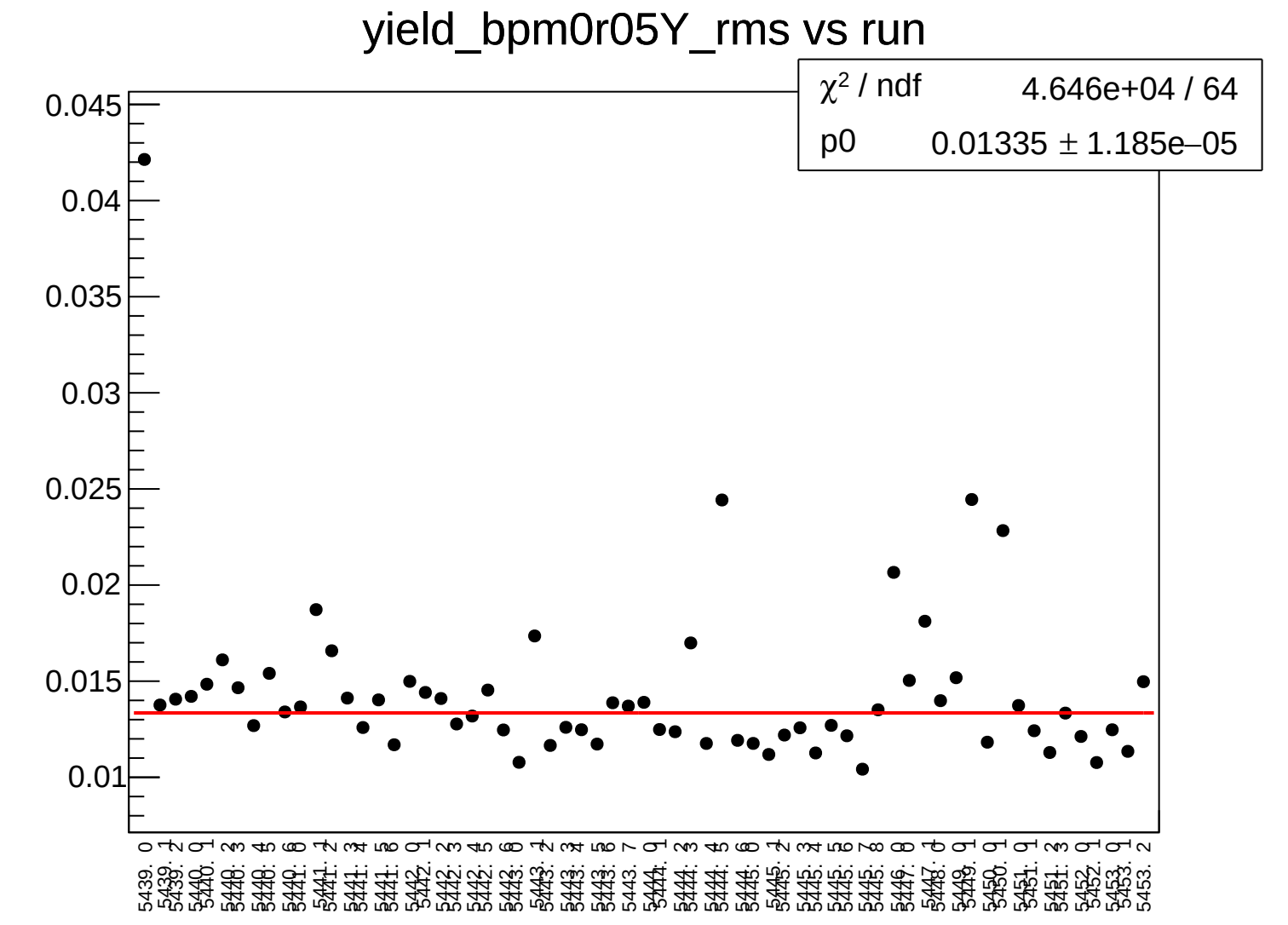

yield_bpm0r05X_mean vs run
χ² / ndf 3.098e+04 / 64
p0 0.4659 ± 0.0001103
pull
Entries 65
Mean −535.2
Std Dev 0

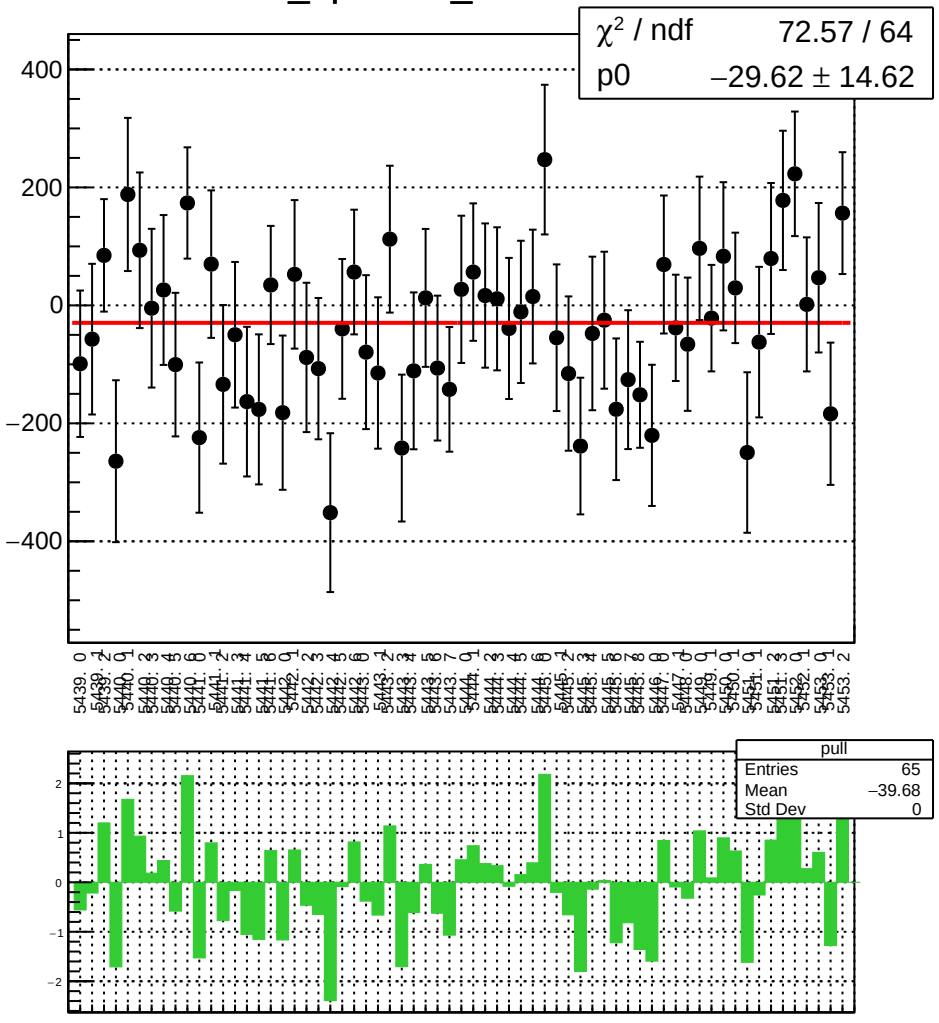

pull1D
Entries 65
Mean −0.2347
Std Dev 4.142

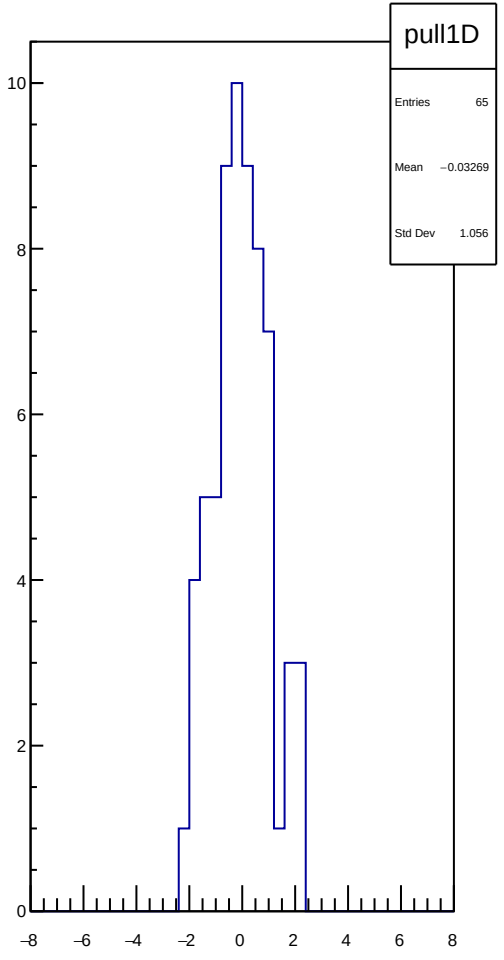

yield_bpm0r05X_rms vs run
χ² / ndf 1.194e+04 / 64
p0 0.08904 ± 7.798e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1

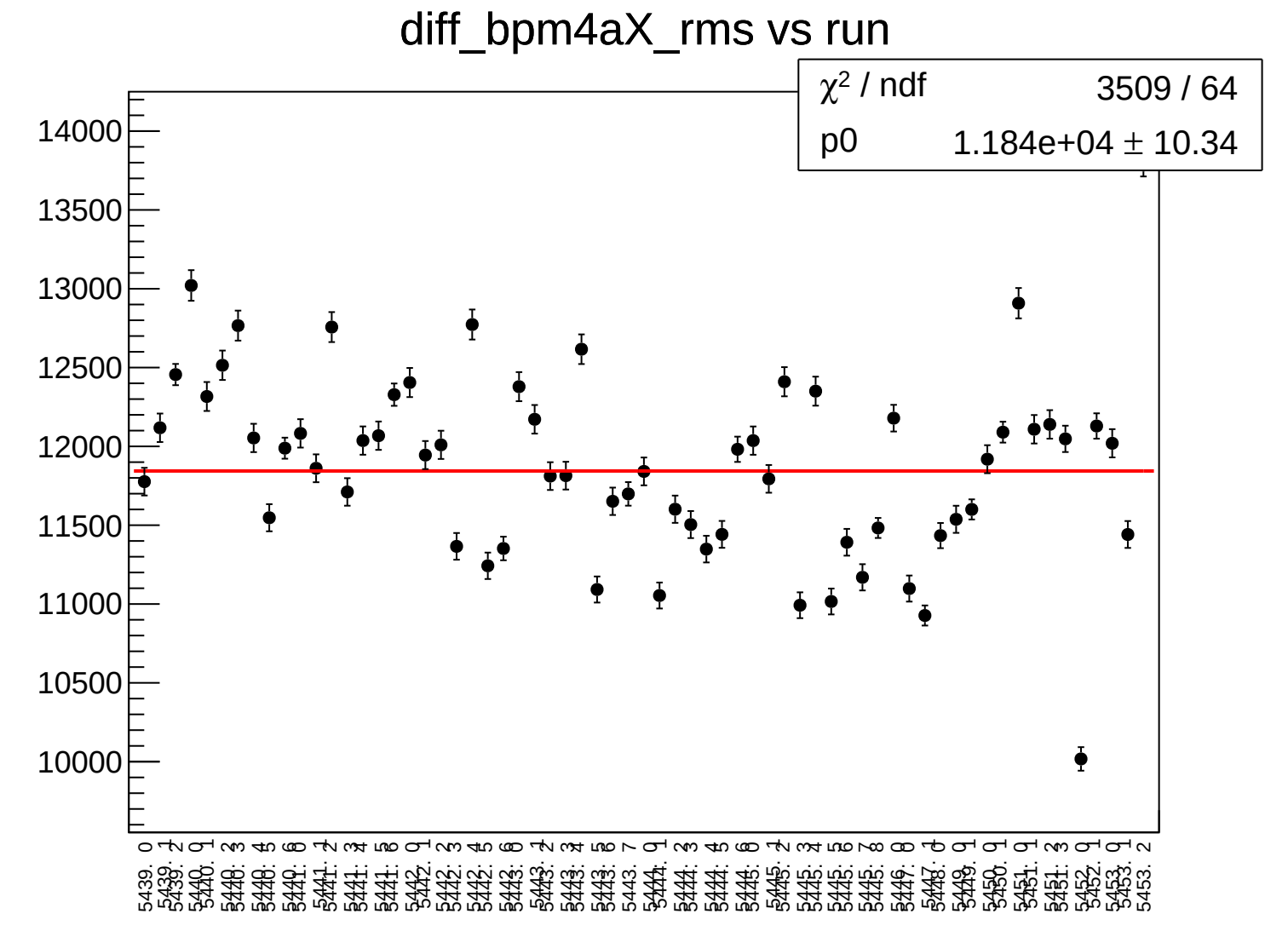

yield_bpm0r05Y_mean vs run
χ² / ndf 5.646e+06 / 64
p0 1.501± 1.676e−05
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
pull
Entries 65
Mean −255.6
Std Dev 0
400
200
0
−200
−400
−600

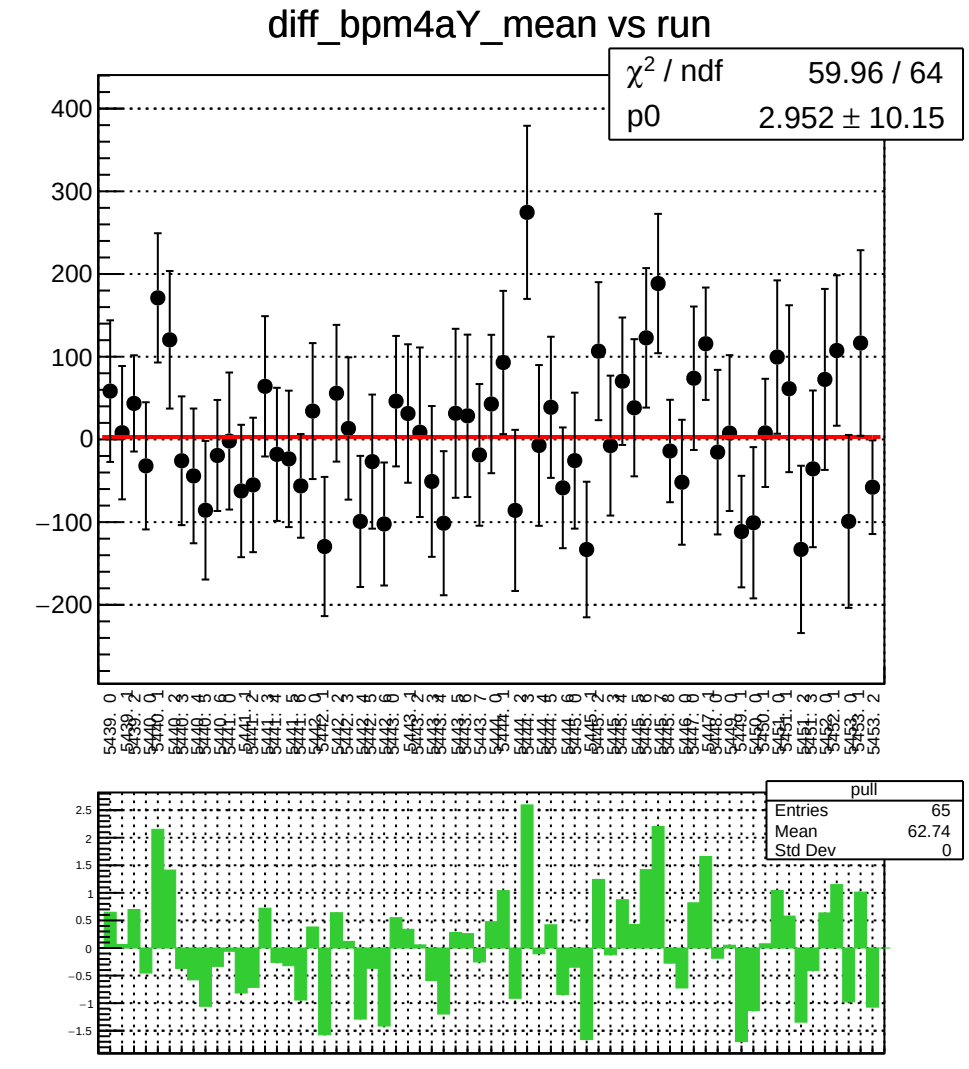

pull1D
Entries 65
Mean −4.31
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

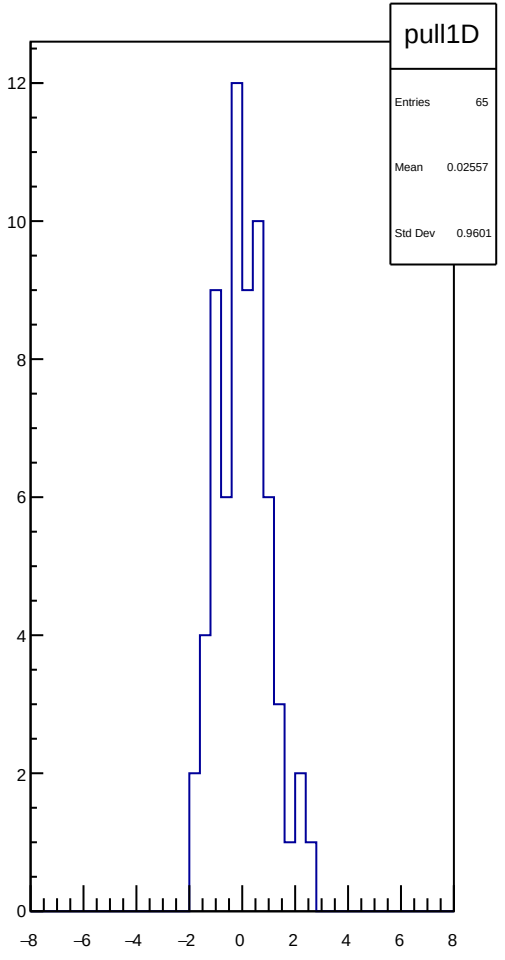

yield_bpm0r05Y_rms vs run
χ² / ndf 4.646e+04 / 64
p0 0.01335 ± 1.185e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

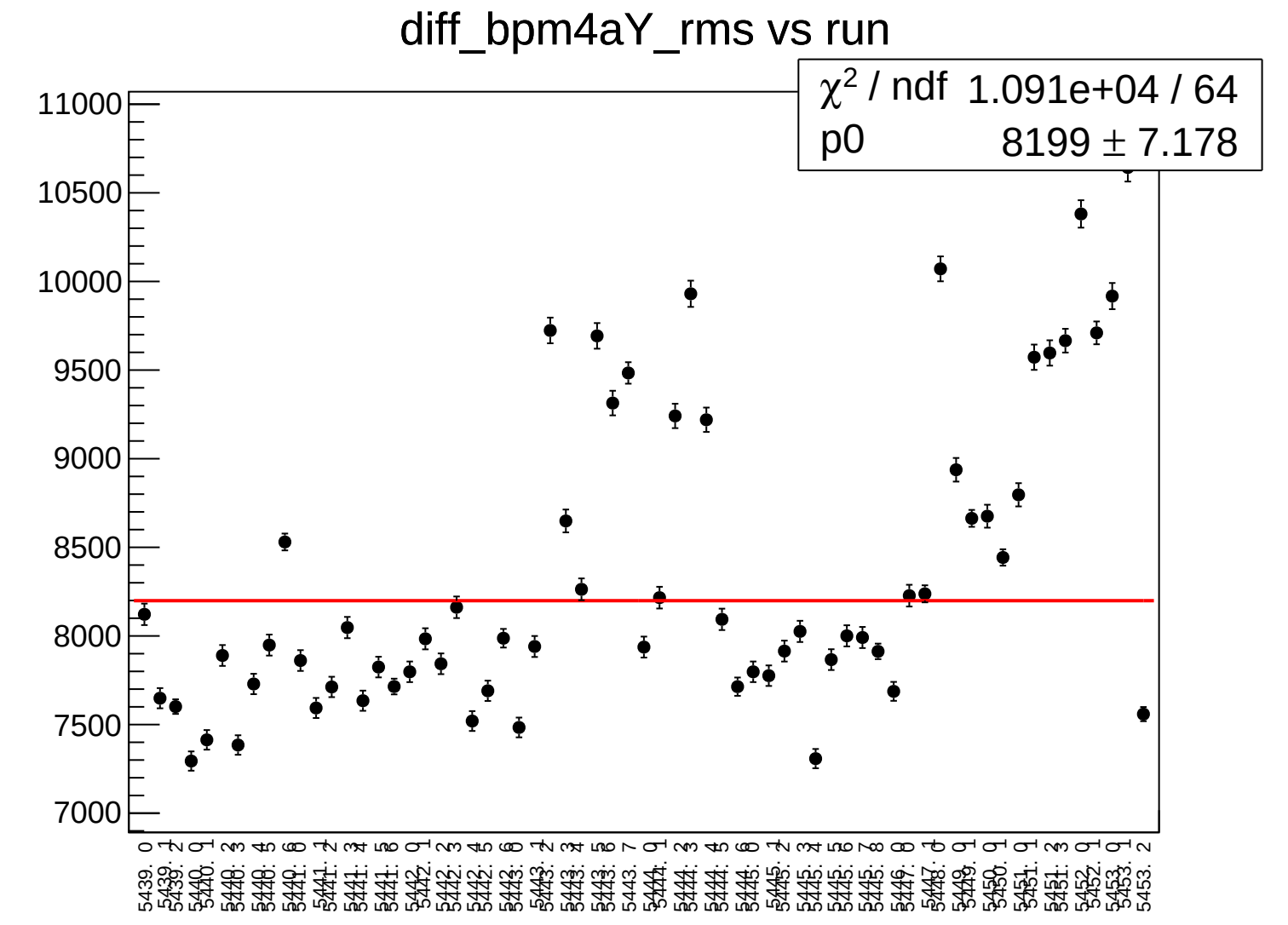

diff_bpm4aX_mean vs run
χ² / ndf 72.57 / 64
p0 −29.62 ± 14.62
400
200
0
−200
−400
pull
Entries 65
Mean −39.68
Std Dev 0
2
1
0
−1
−2

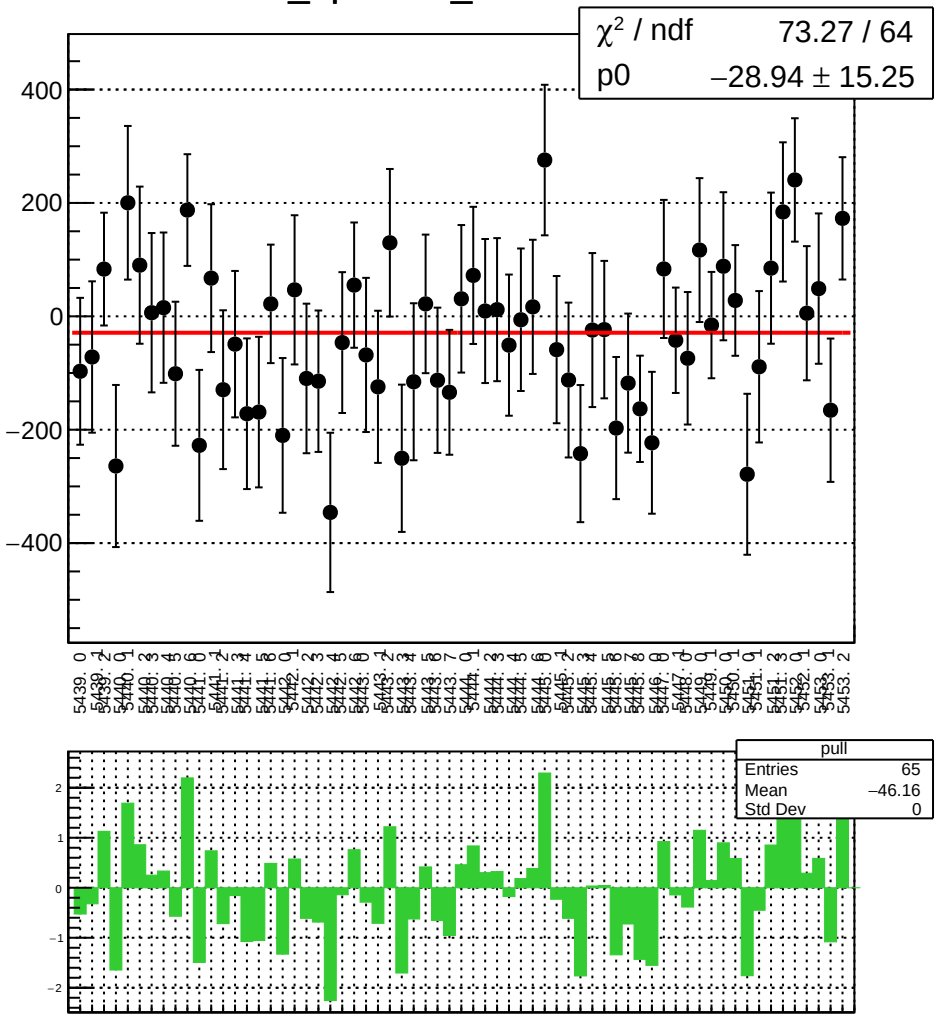

pull1D
Entries 65
Mean −0.03269
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

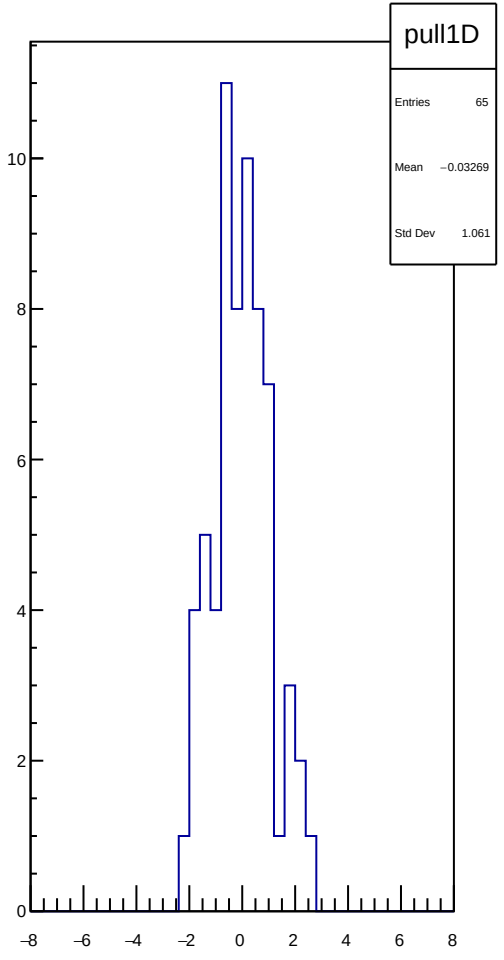

diff_bpm4aX_rms vs run
χ² / ndf 3509 / 64
p0 1.184e+04 ± 10.34
14000
13500
13000
12500
12000
11500
11000
10500
10000

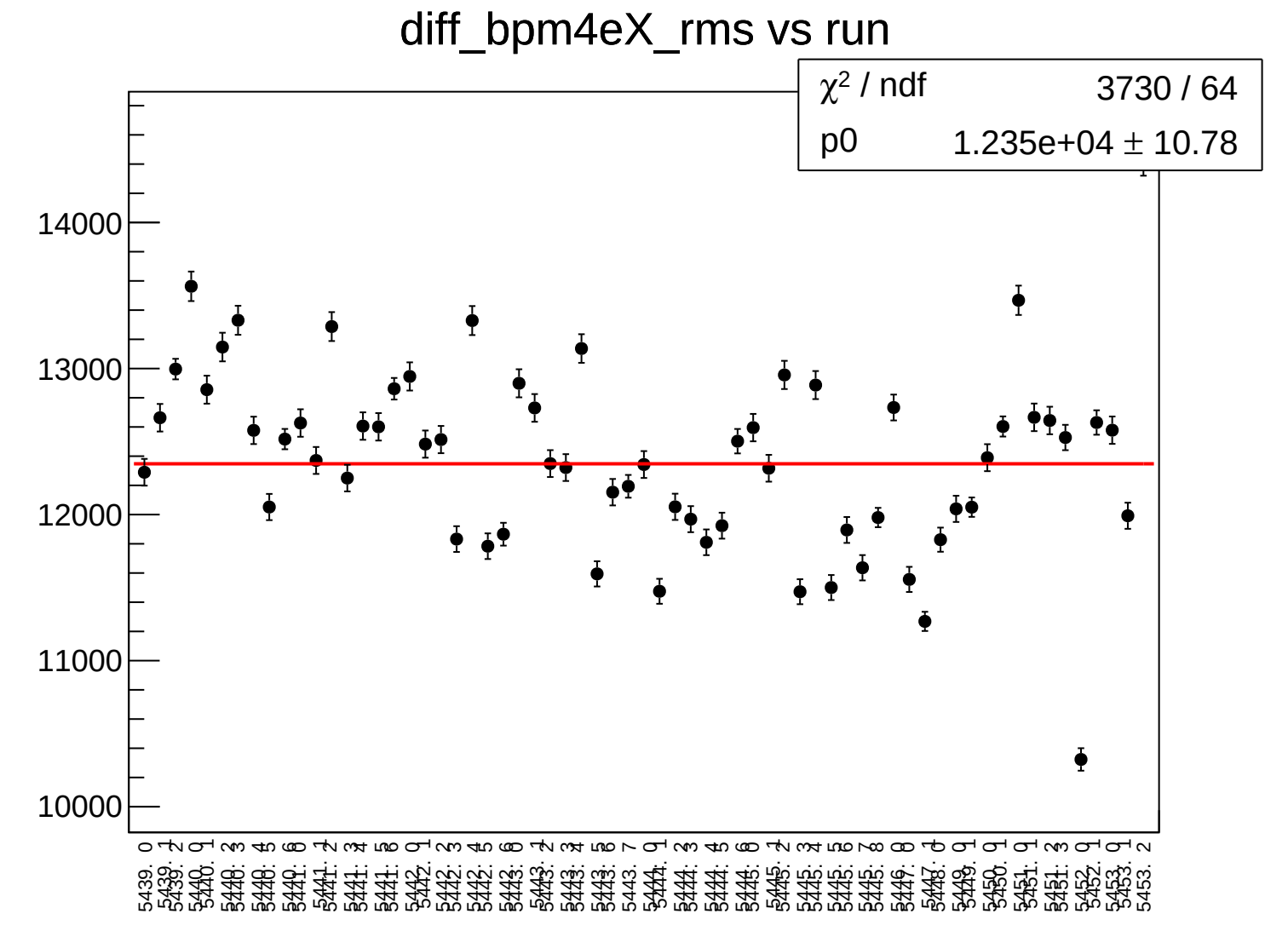

diff_bpm4aY_mean vs run
χ² / ndf 59.96 / 64
p0 2.952 ± 10.15
pull
Entries 65
Mean 62.74
Std Dev 0

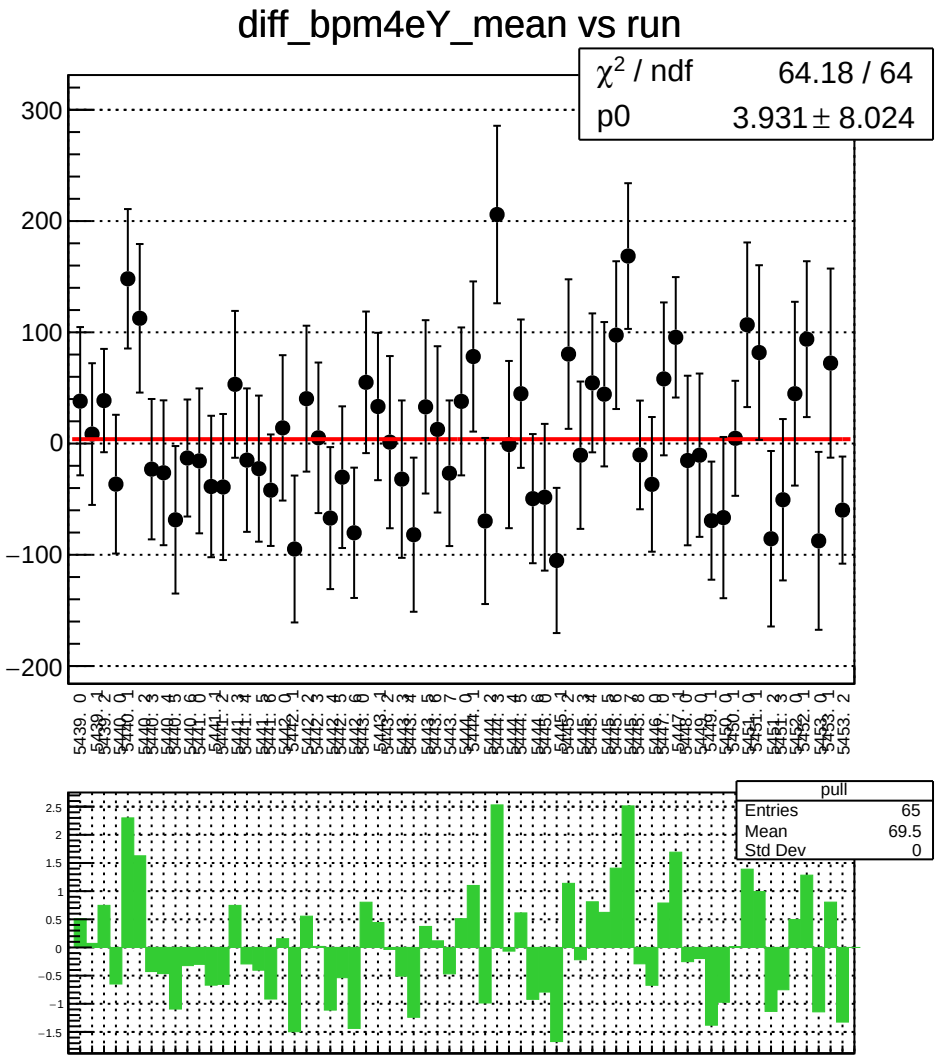

pull1D
Entries 65
Mean 0.02557
Std Dev 0.9601

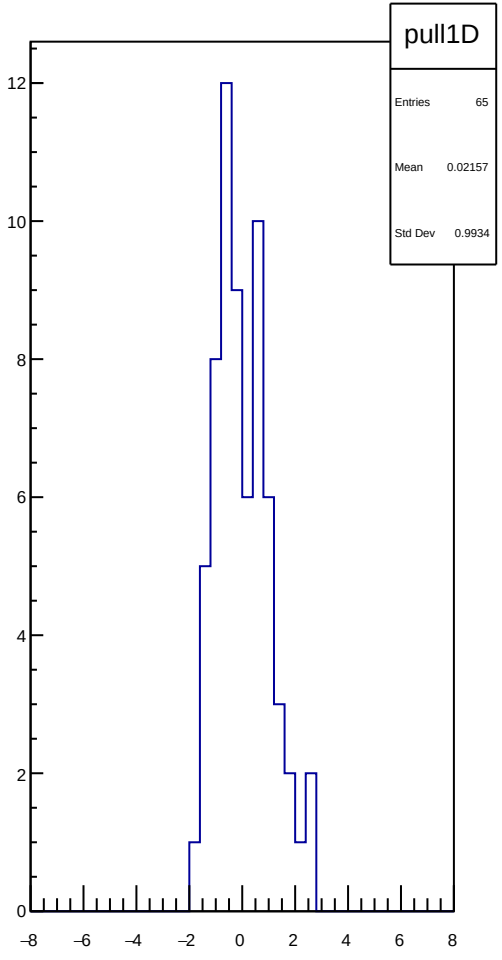

diff_bpm4aY_rms vs run
χ² / ndf 1.091e+04 / 64
p0 8199 ± 7.178
11000
10500
10000
9500
9000
8500
8000
7500
7000

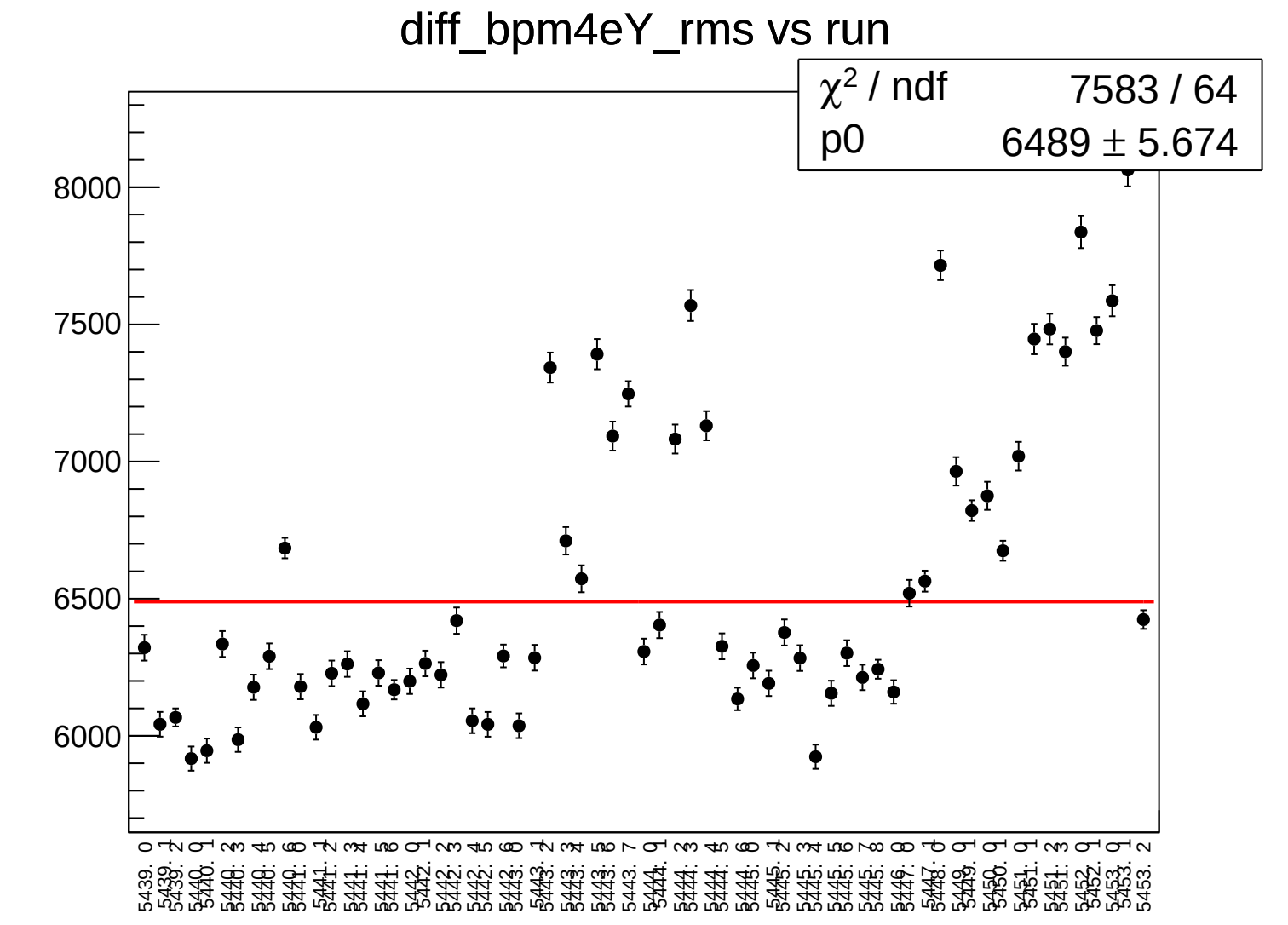

diff_bpm4eX_mean vs run
χ² / ndf 73.27 / 64
p0 −28.94 ± 15.25
400
200
0
−200
−400
pull
Entries 65
Mean −46.16
Std Dev 0
2
1
0
−1
−2

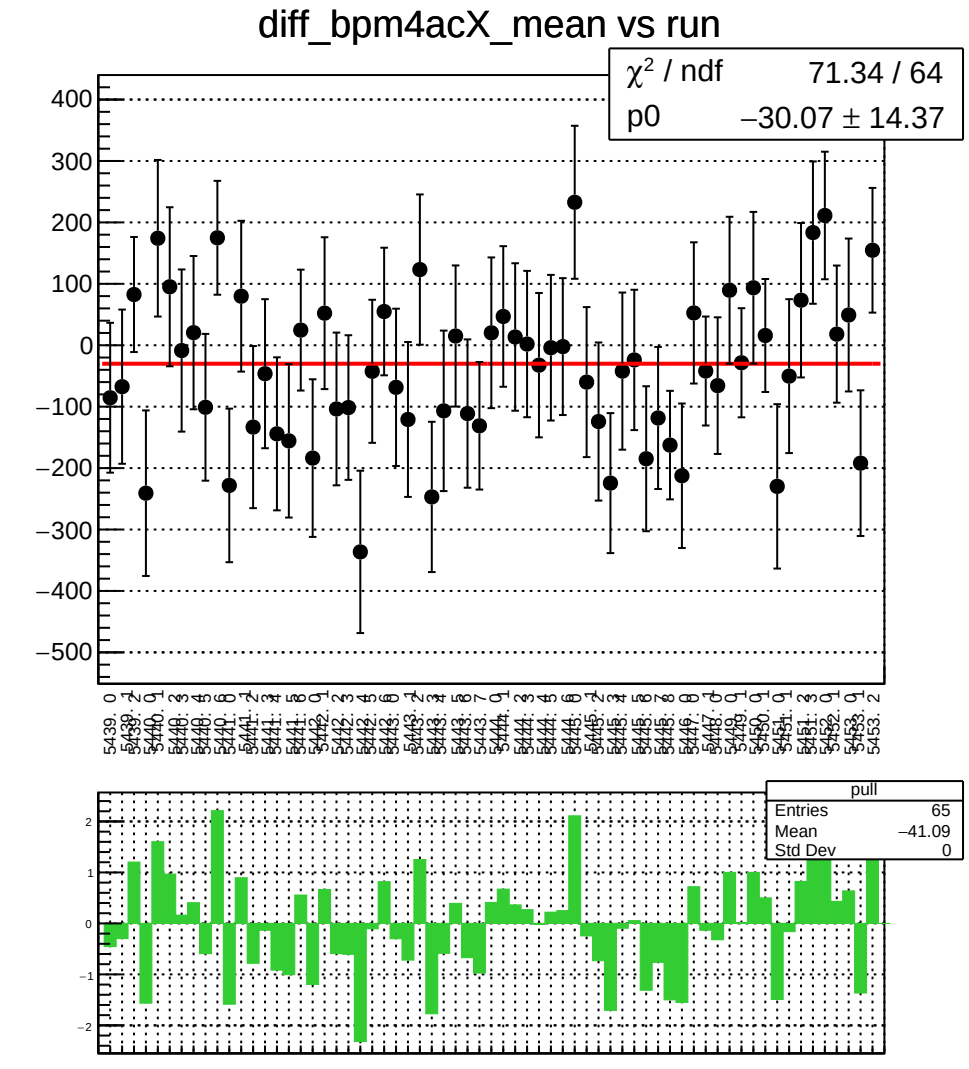

pull1D
Entries 65
Mean −0.03269
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

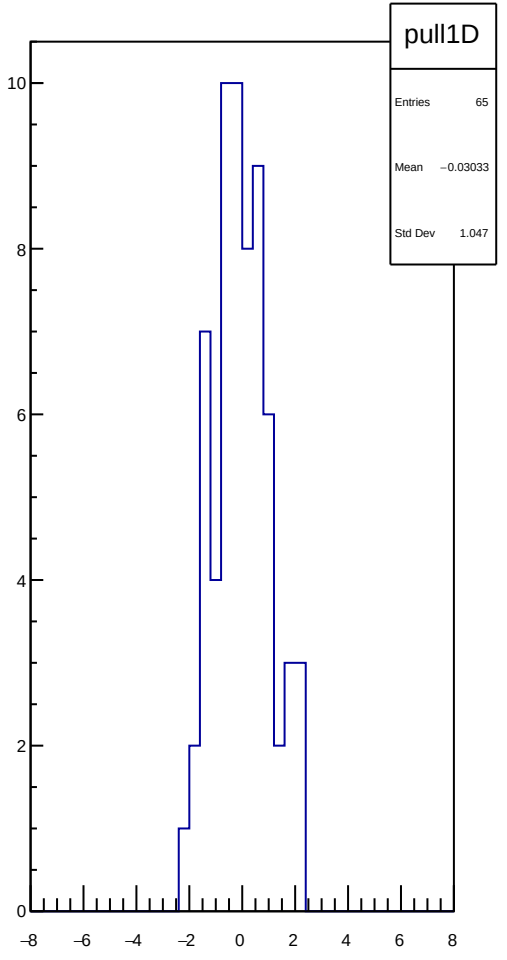

diff_bpm4eX_rms vs run
χ² / ndf 3730 / 64
p0 1.235e+04 ± 10.78
14000
13000
12000
11000
10000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

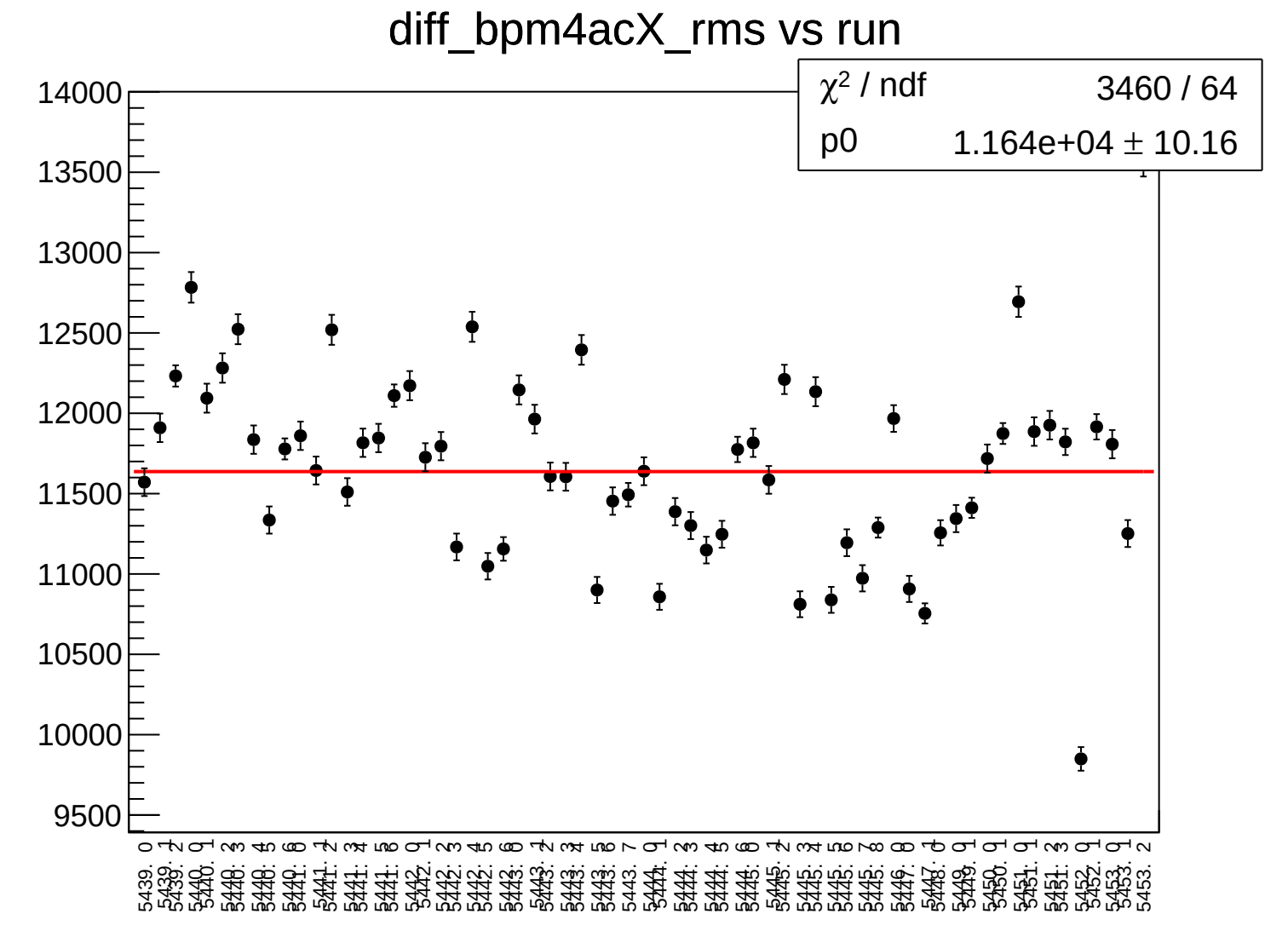

diff_bpm4eY_mean vs run
χ² / ndf 64.18 / 64
p0 3.931 ± 8.024
300
200
100
0
−100
−200
pull
Entries 65
Mean 69.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

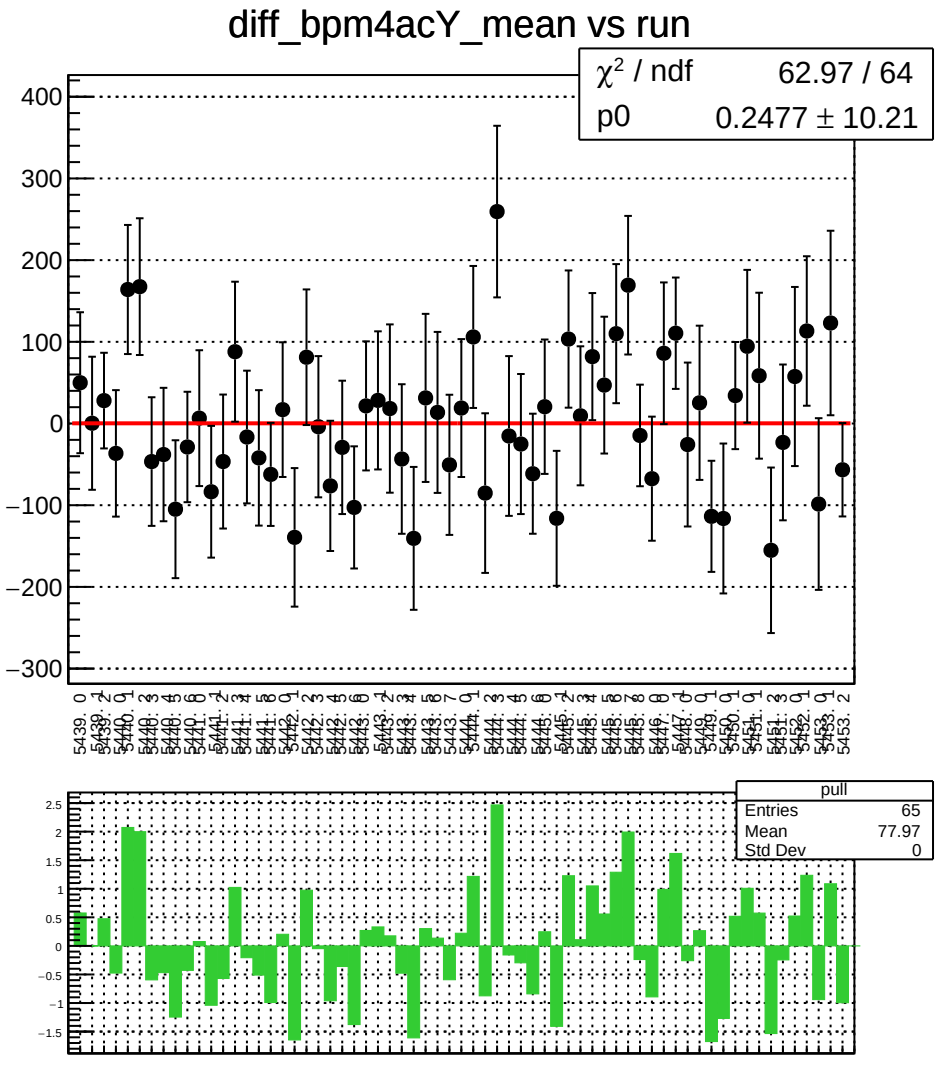

pull1D
Entries 65
Mean 0.02157
Std Dev 0.9934
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

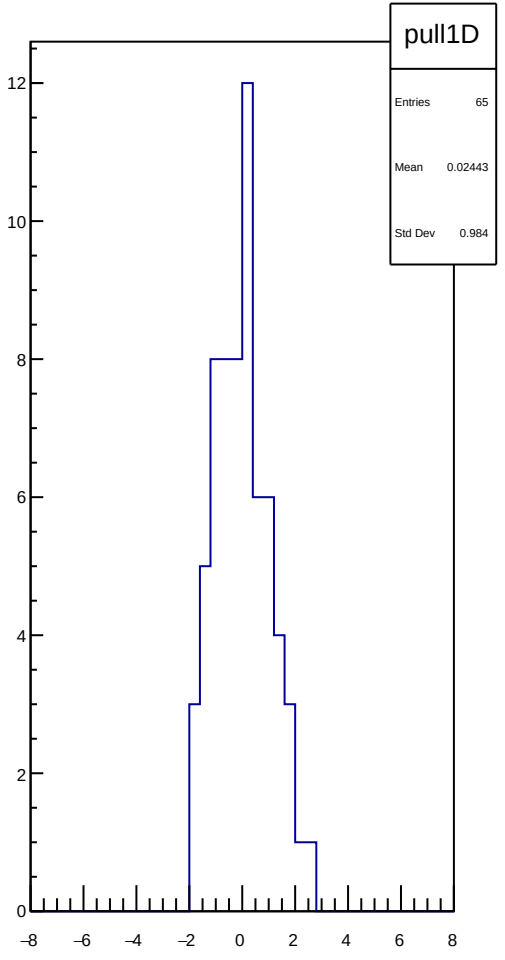

diff_bpm4eY_rms vs run
χ² / ndf 7583 / 64
p0 6489 ± 5.674
8000
7500
7000
6500
6000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

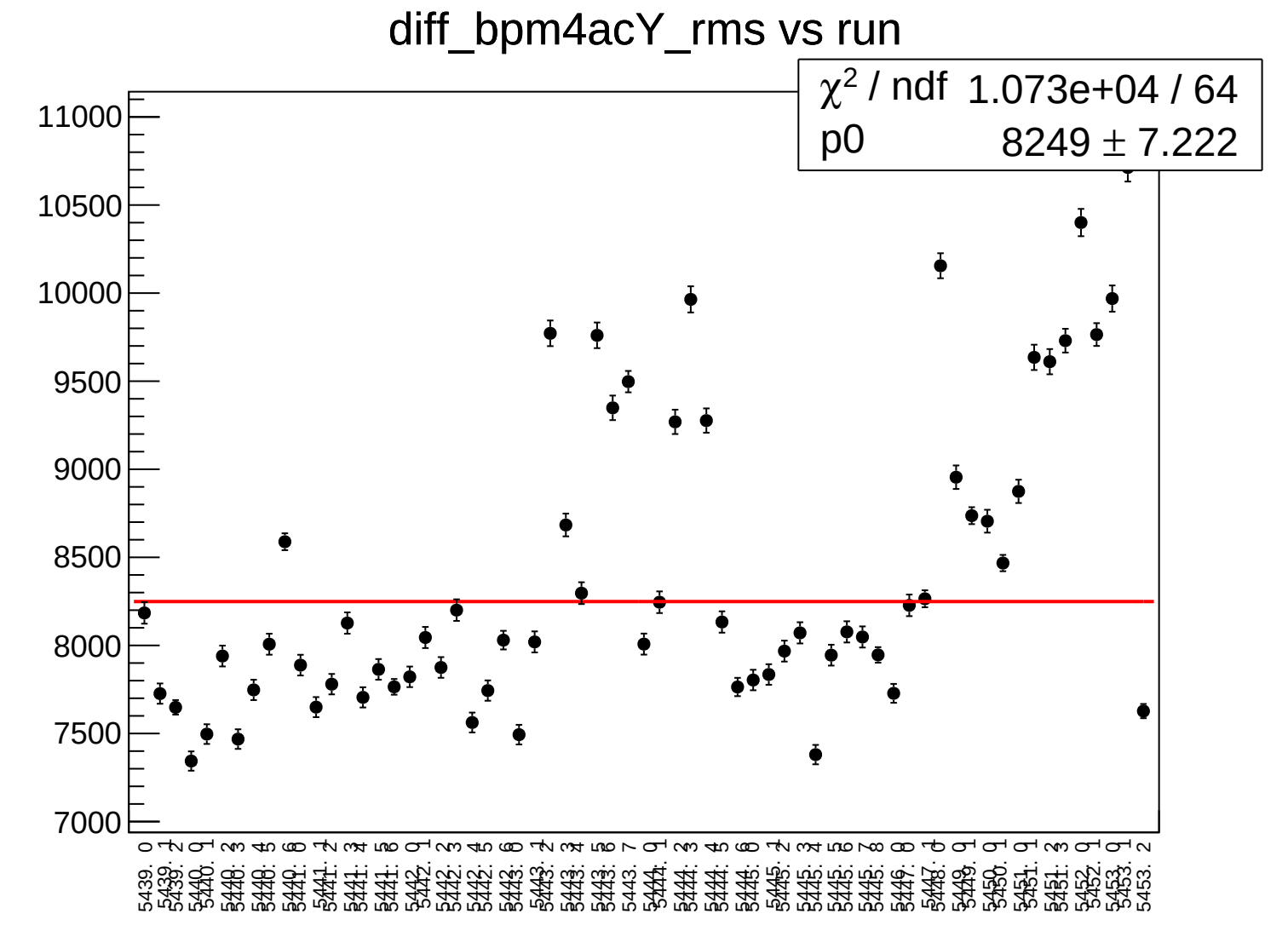

diff_bpm4acX_mean vs run
χ² / ndf 71.34 / 64
p0 −30.07 ± 14.37
pull
Entries 65
Mean −41.09
Std Dev 0

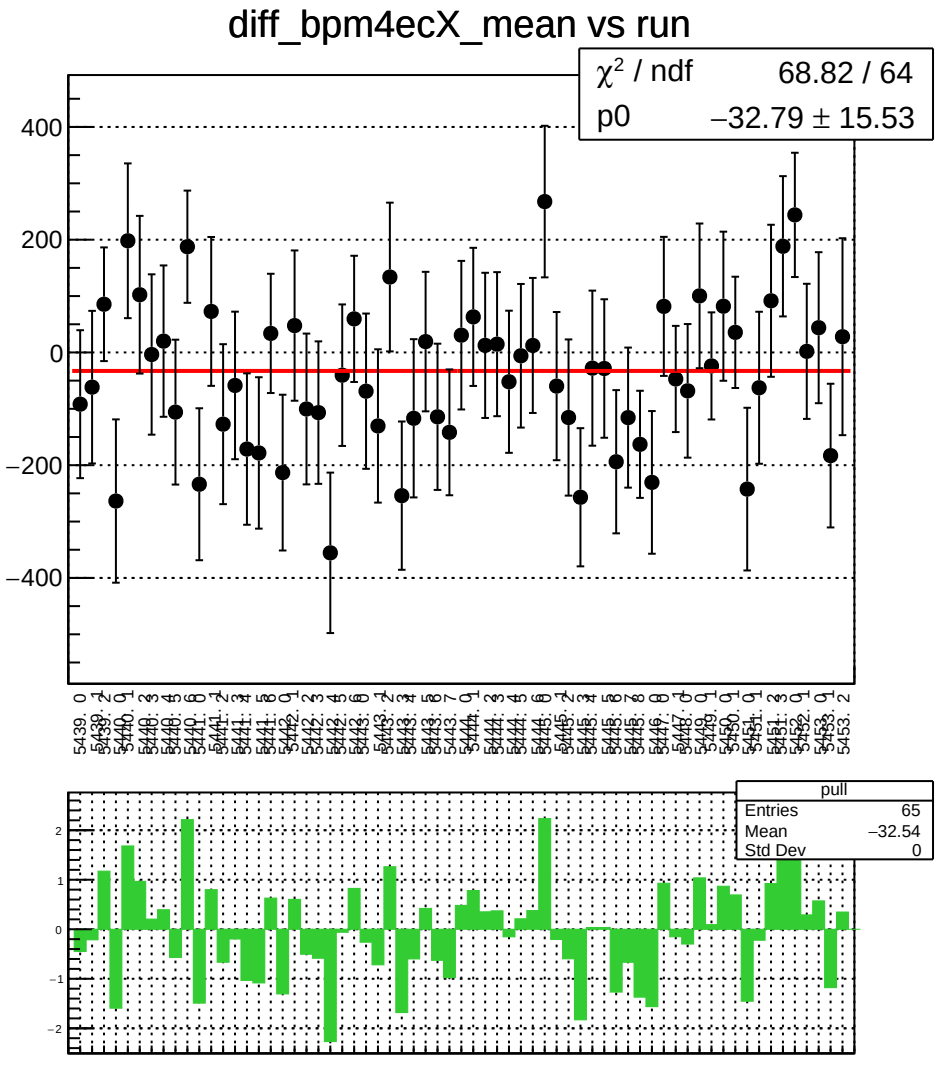

pull1D
Entries 65
Mean −0.03033
Std Dev 1.047

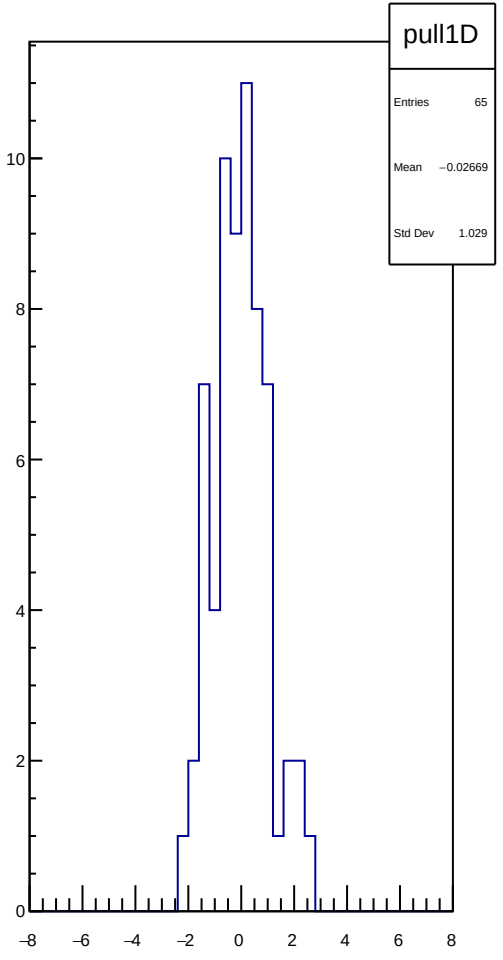

diff_bpm4acX_rms vs run
χ² / ndf 3460 / 64
p0 1.164e+04 ± 10.16
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

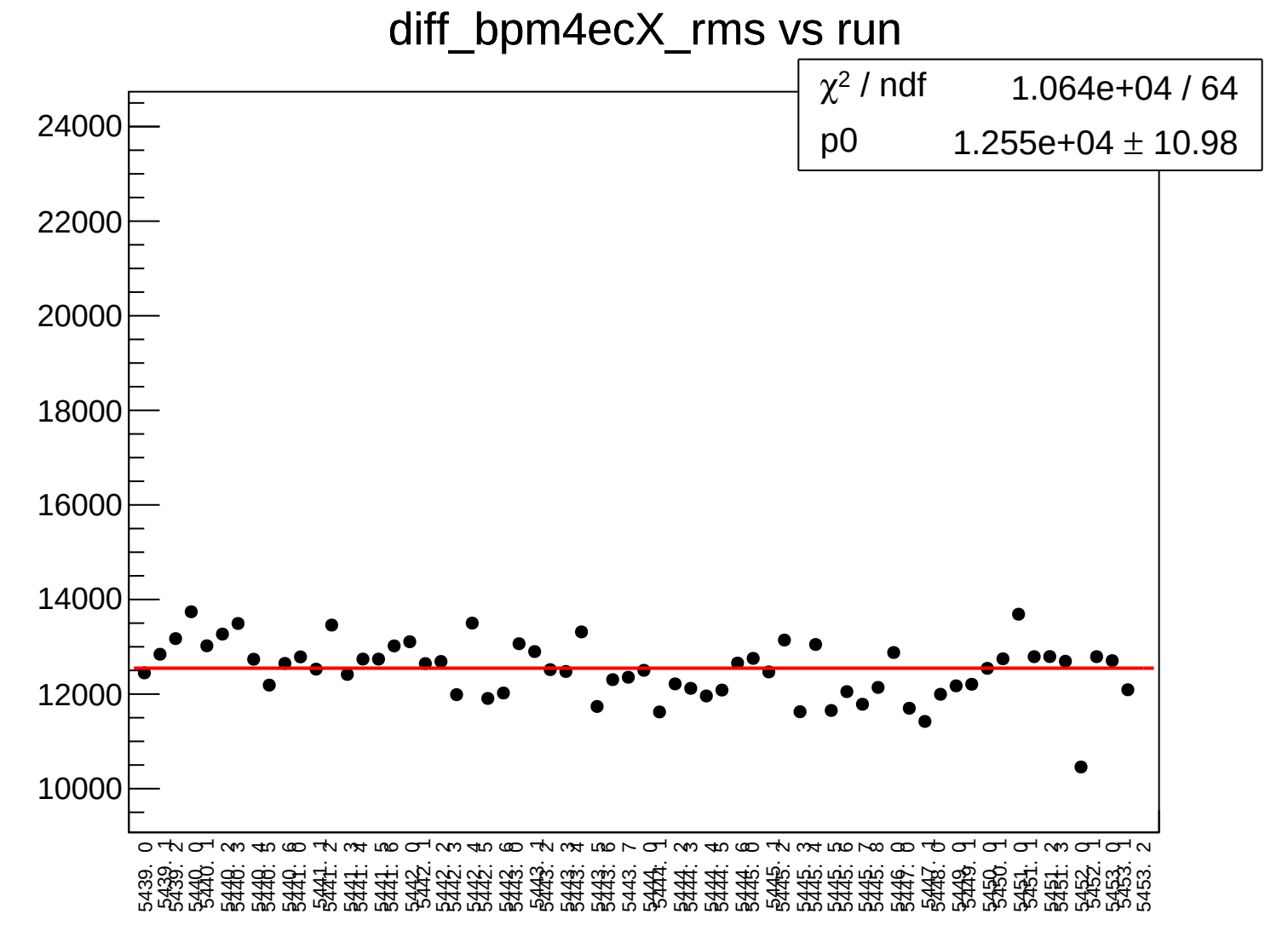

diff_bpm4acY_mean vs run
χ² / ndf 62.97 / 64
p0 0.2477 ± 10.21
pull
Entries 65
Mean 77.97
Std Dev 0

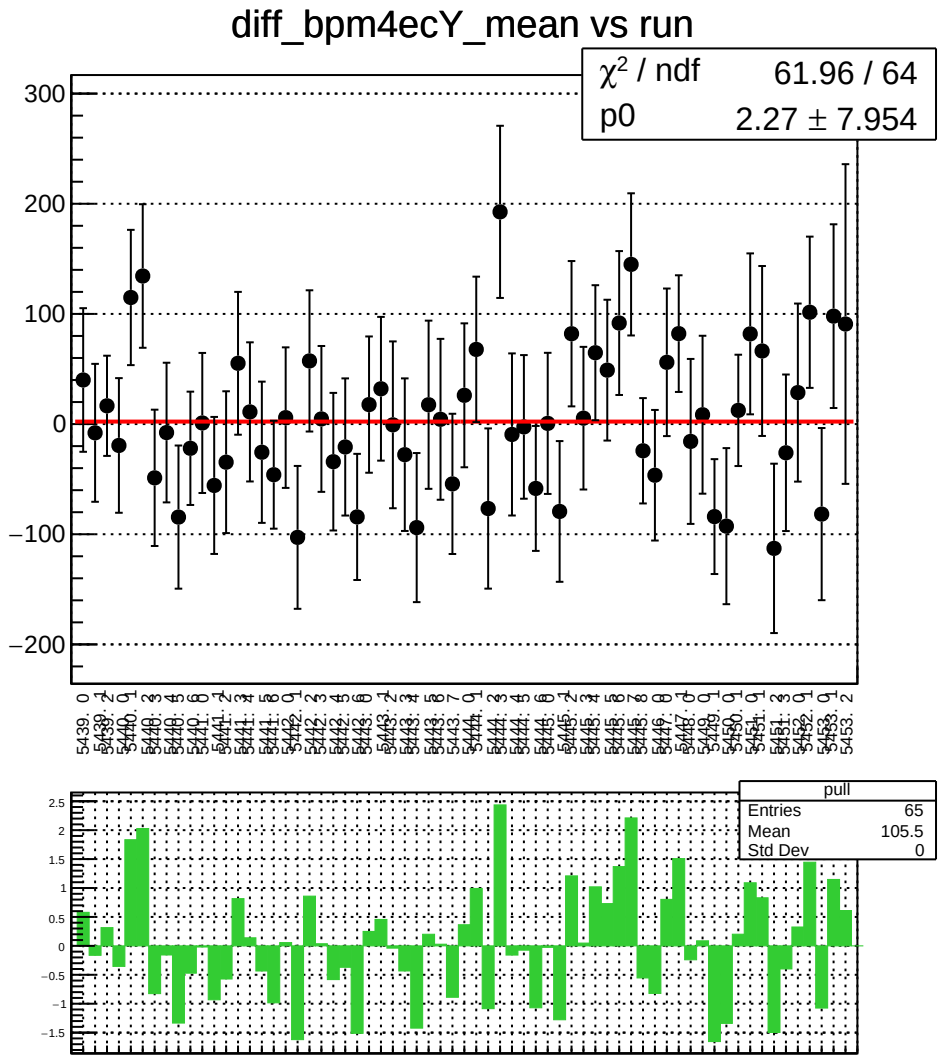

pull1D
Entries 65
Mean 0.02443
Std Dev 0.984

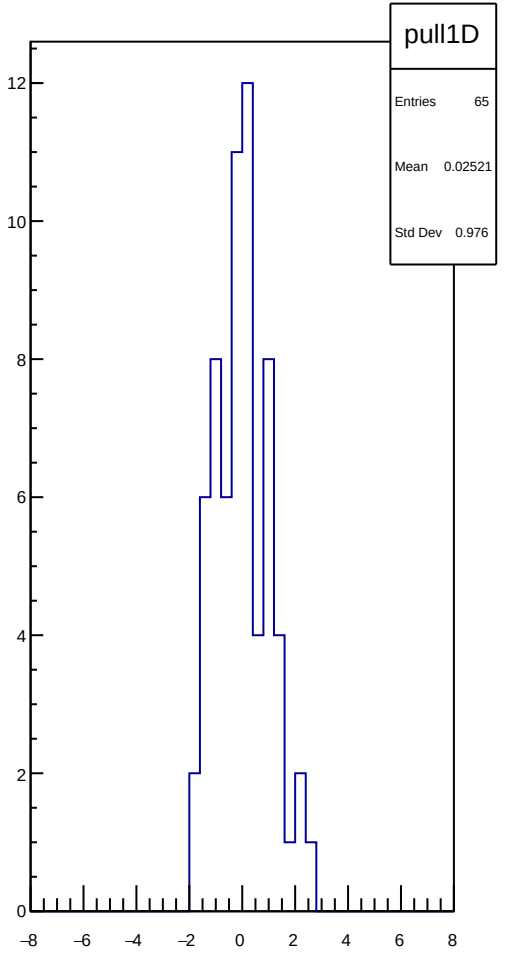

diff_bpm4acY_rms vs run
χ² / ndf 1.073e+04 / 64
p0 8249 ± 7.222
11000
10500
10000
9500
9000
8500
8000
7500
7000

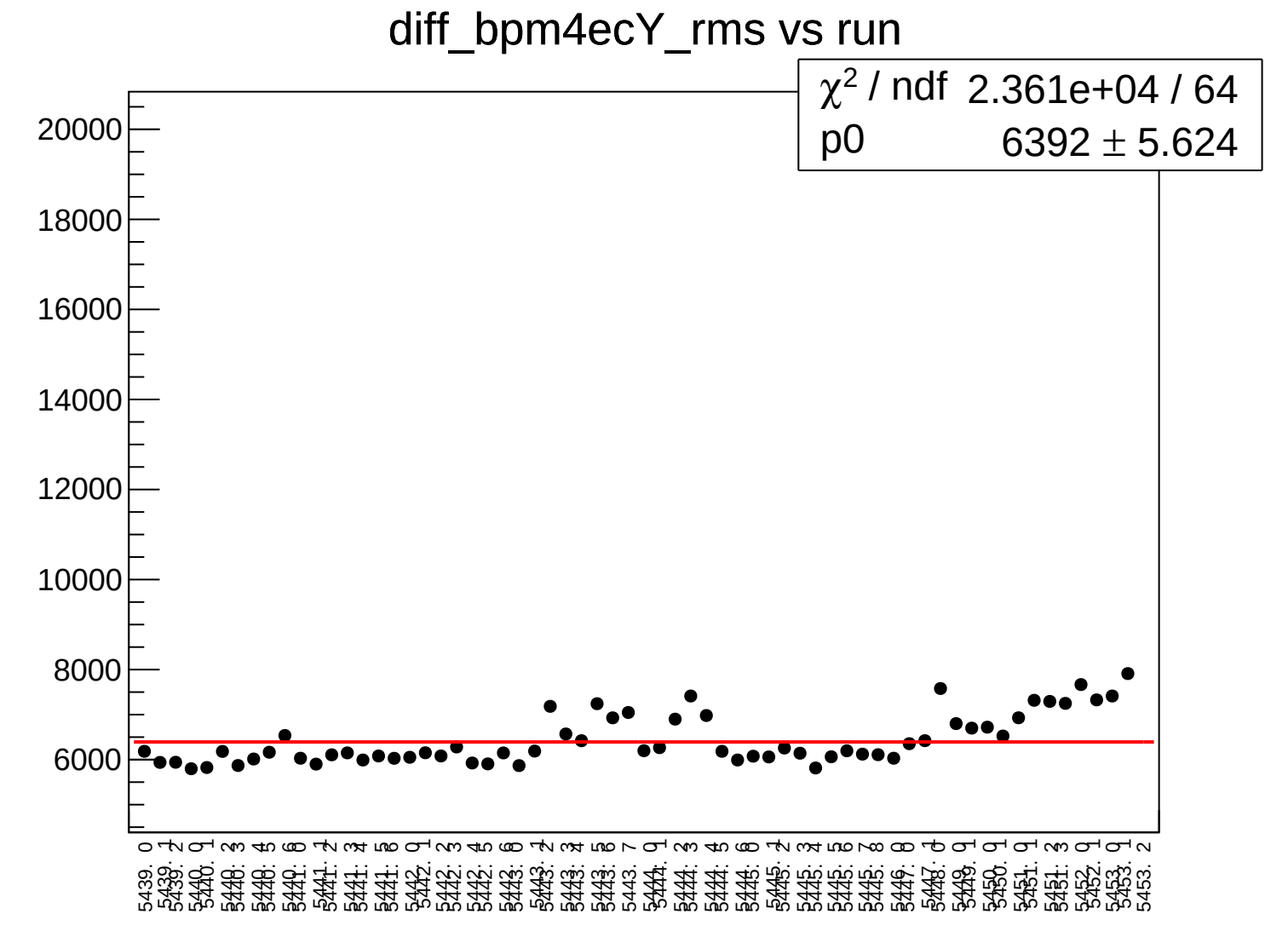

diff_bpm4ecX_mean vs run
χ² / ndf 68.82 / 64
p0 −32.79 ± 15.53
400
200
0
−200
−400
pull
Entries 65
Mean −32.54
Std Dev 0
2
1
0
−1
−2

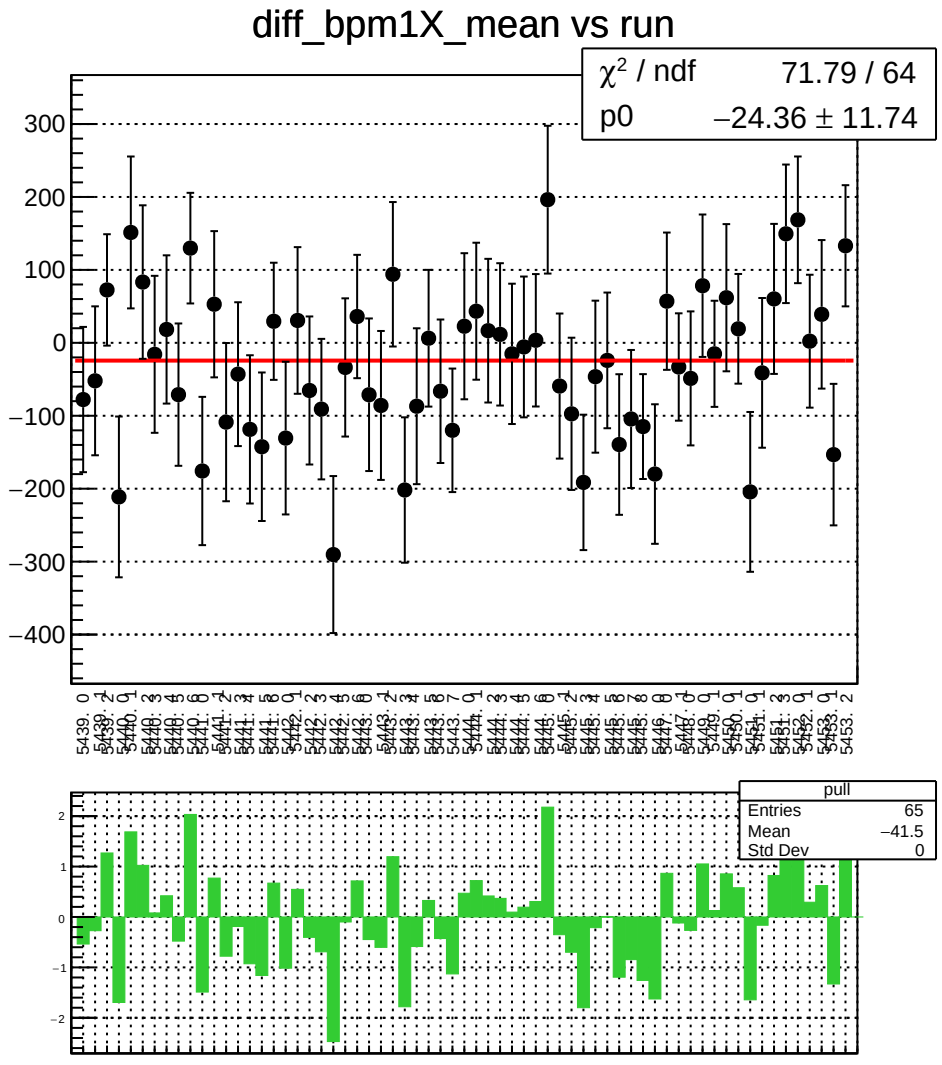

pull1D
Entries 65
Mean −0.02669
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

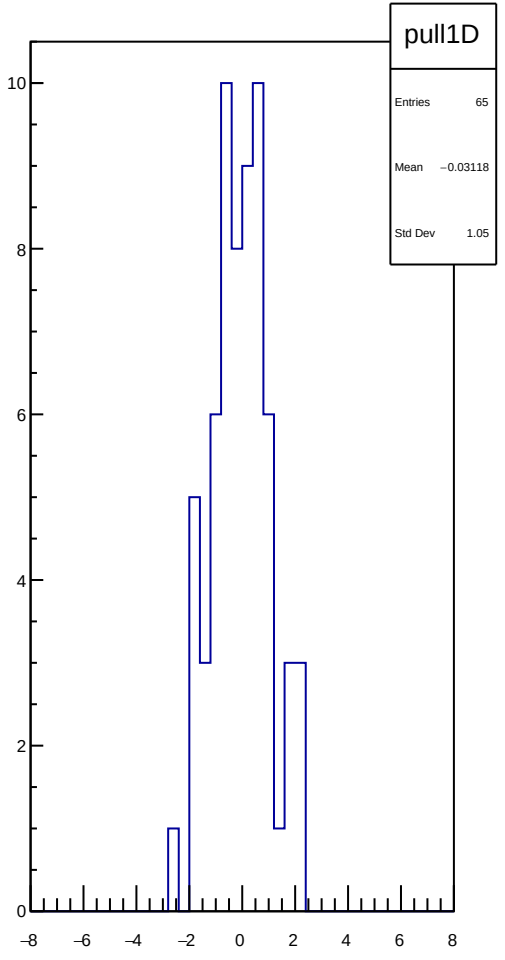

diff_bpm4ecX_rms vs run
χ² / ndf 1.064e+04 / 64
p0 1.255e+04 ± 10.98
24000
22000
20000
18000
16000
14000
12000
10000

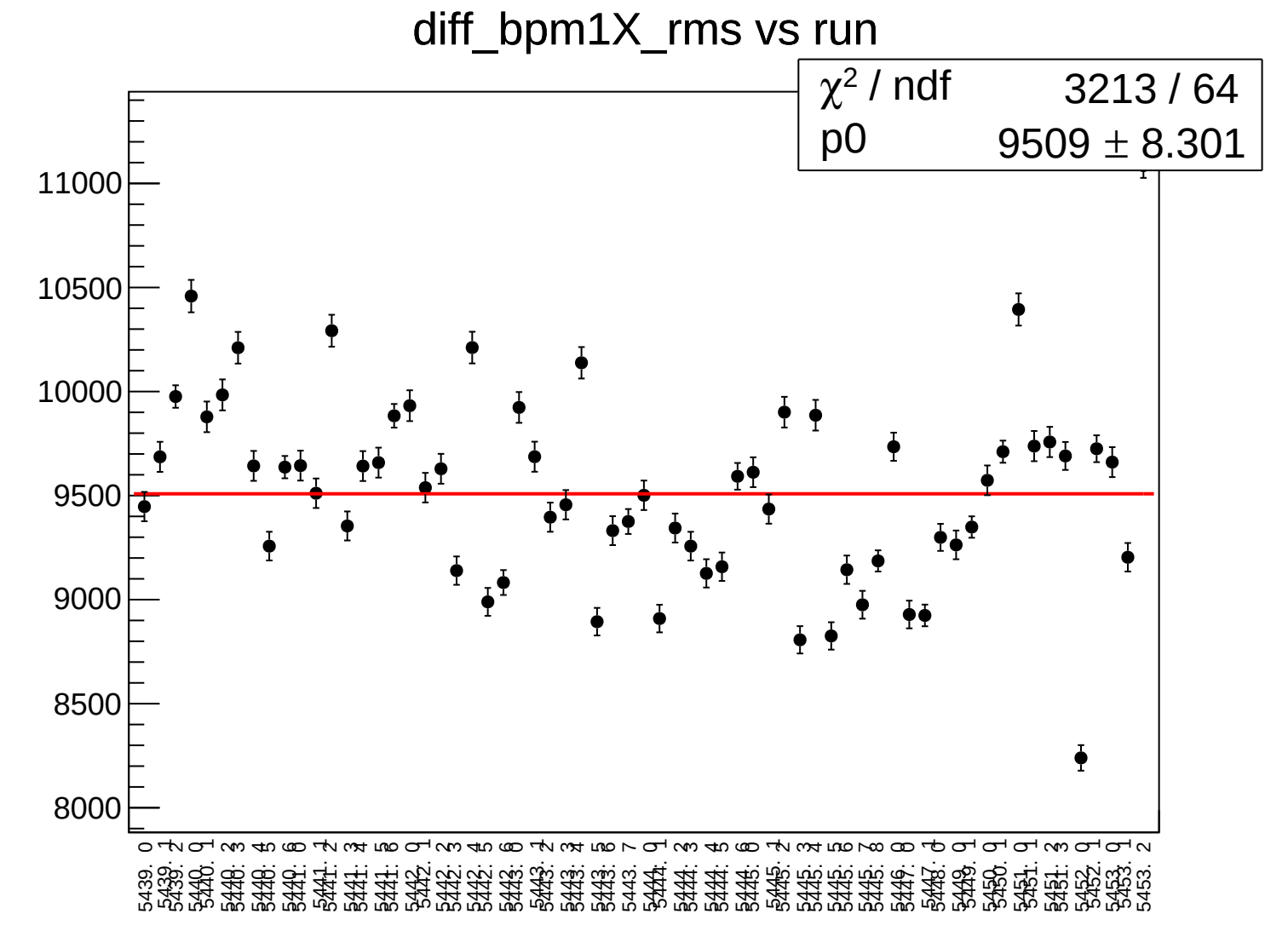

diff_bpm4ecY_mean vs run
χ² / ndf 61.96 / 64
p0 2.27 ± 7.954
pull
Entries 65
Mean 105.5
Std Dev 0

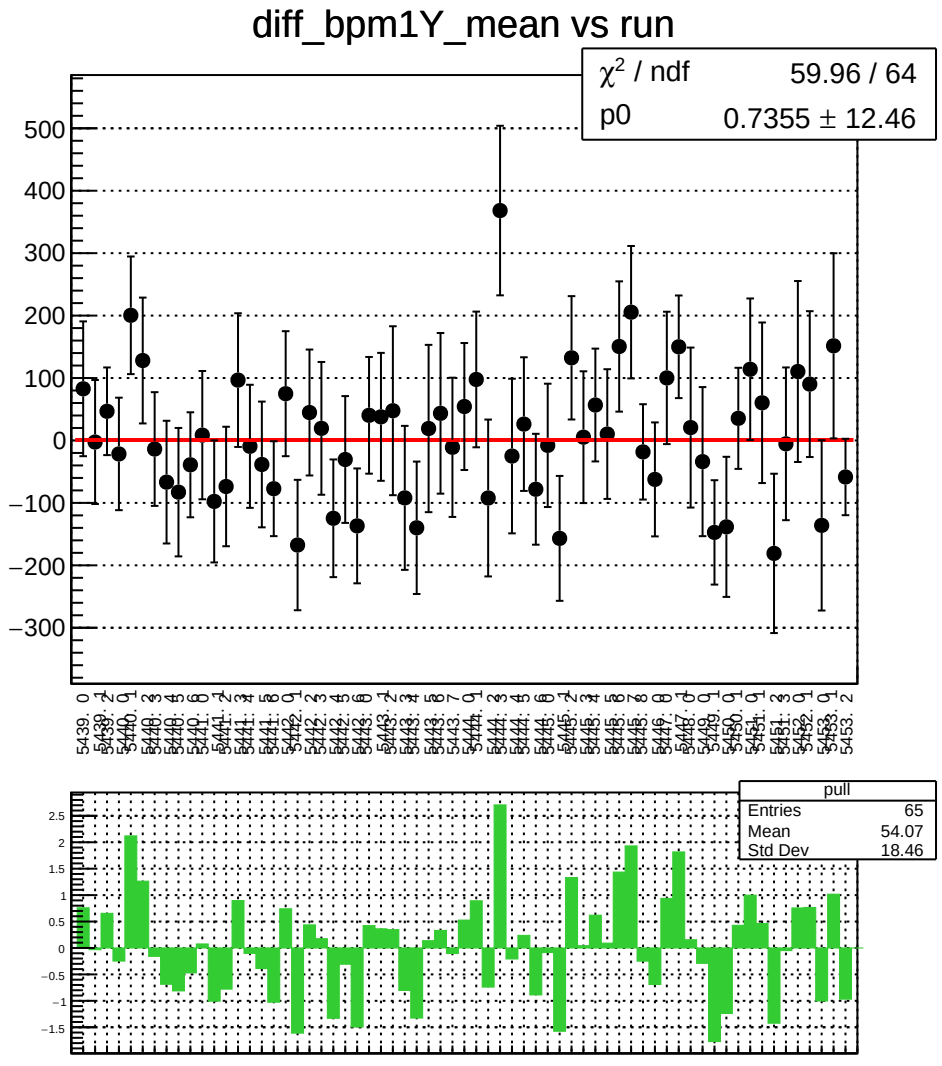

pull1D
Entries 65
Mean 0.02521
Std Dev 0.976

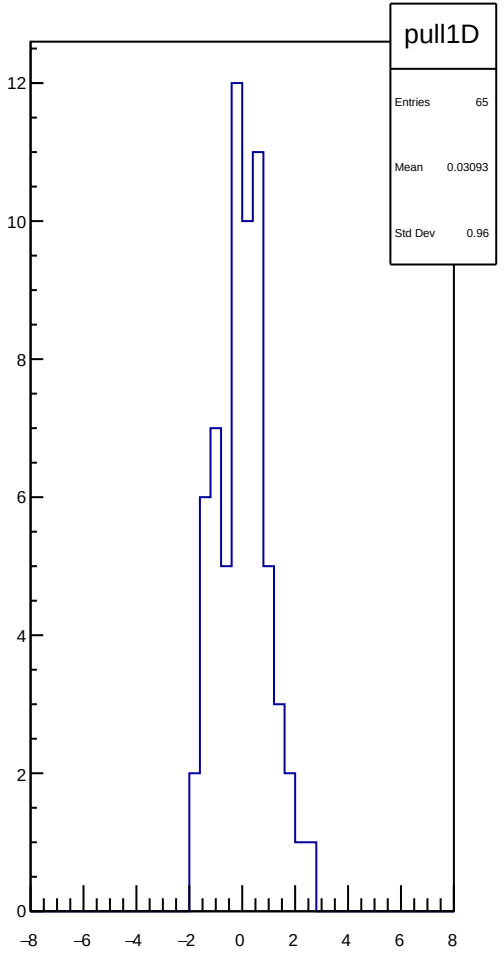

diff_bpm4ecY_rms vs run
χ² / ndf 2.361e+04 / 64
p0 6392 ± 5.624
20000
18000
16000
14000
12000
10000
8000
6000

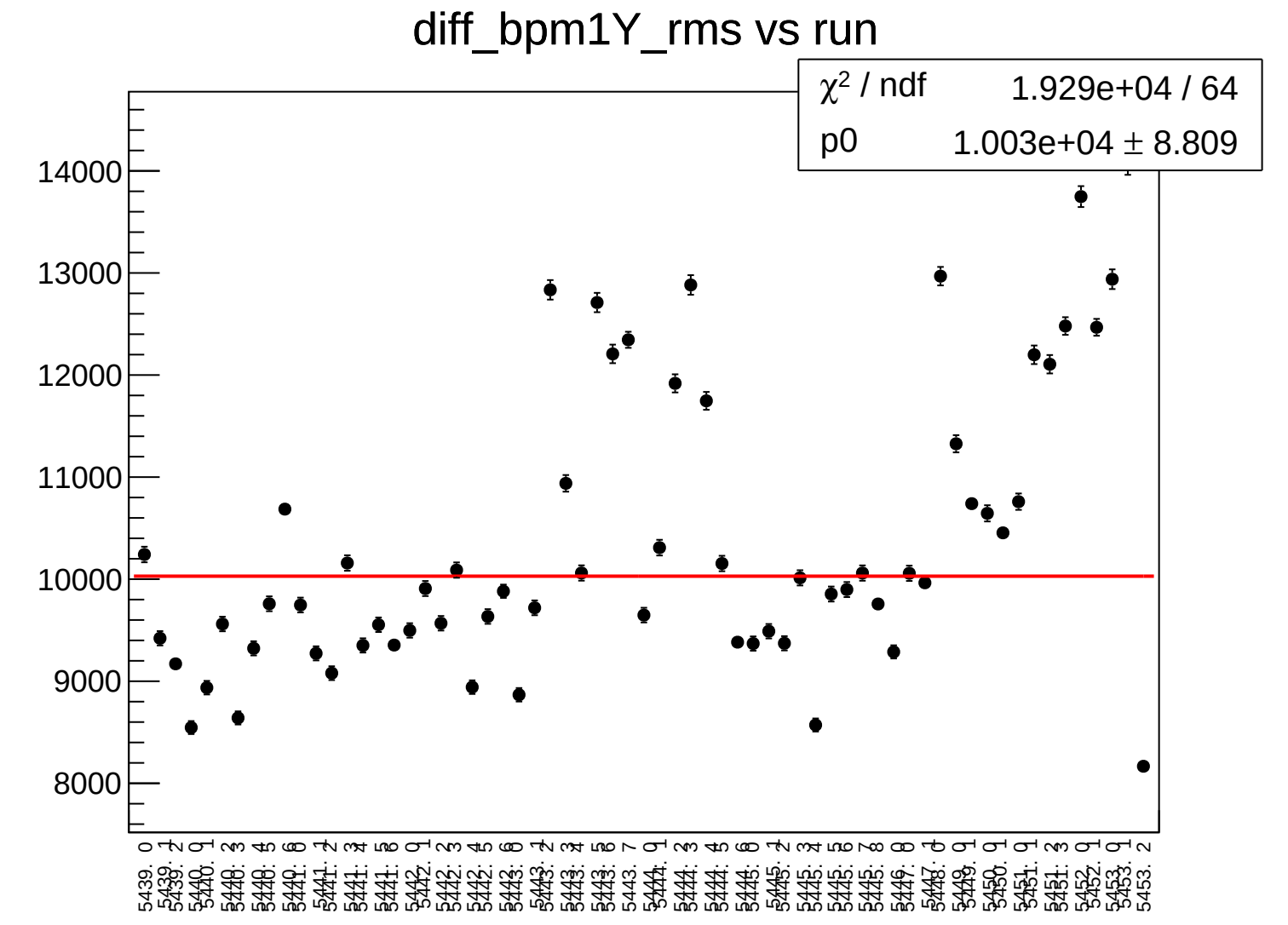

diff_bpm1X_mean vs run
χ² / ndf 71.79 / 64
p0 −24.36 ± 11.74
pull
Entries 65
Mean −41.5
Std Dev 0

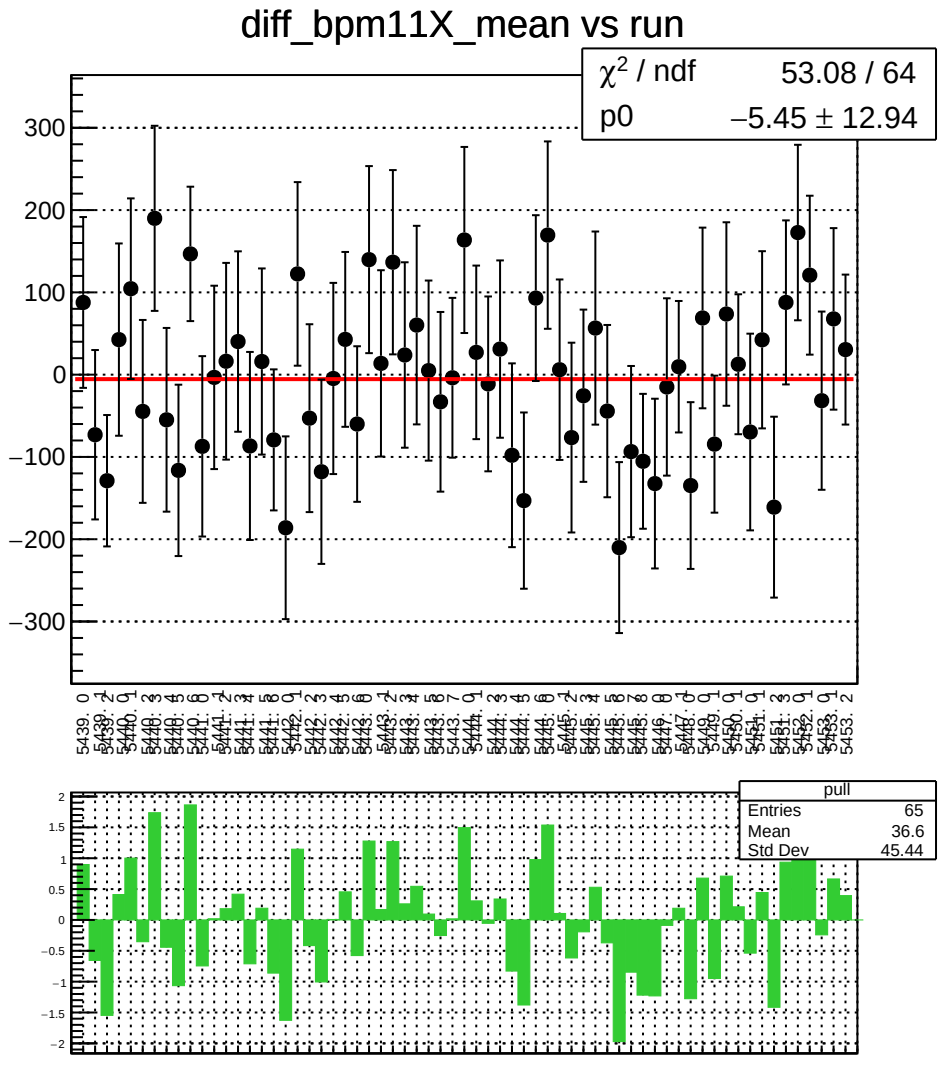

pull1D
Entries 65
Mean −0.03118
Std Dev 1.05

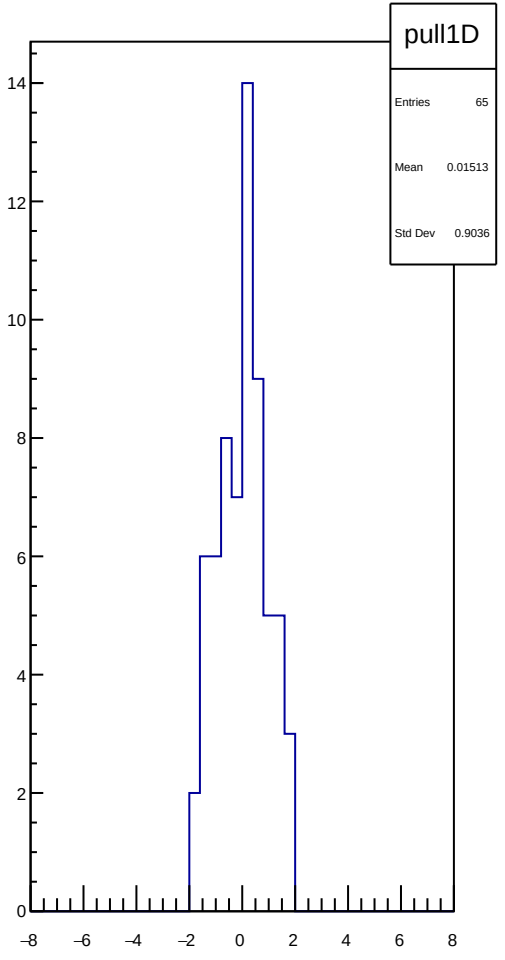

diff_bpm1X_rms vs run
χ² / ndf 3213 / 64
p0 9509 ± 8.301
11000
10500
10000
9500
9000
8500
8000

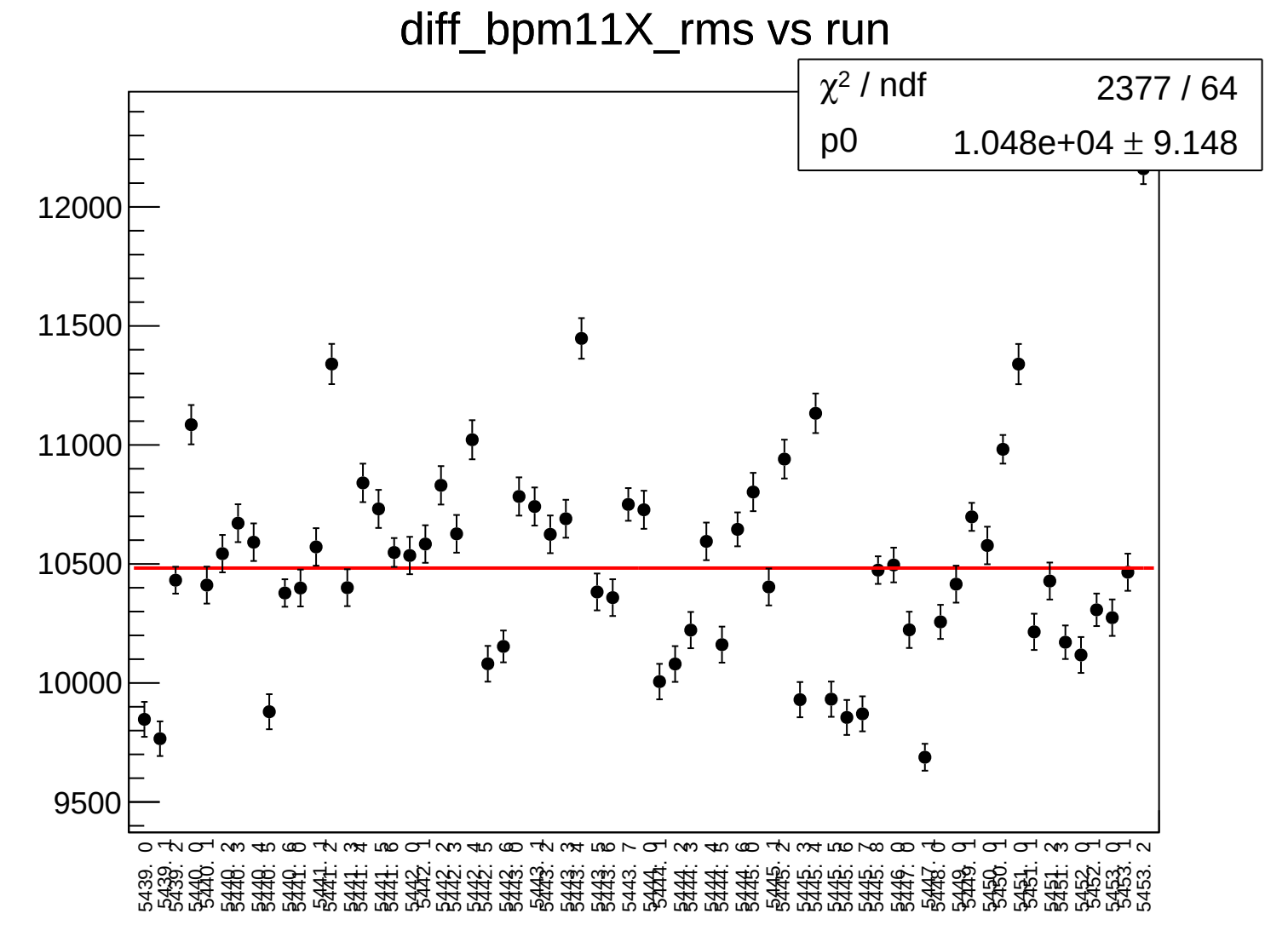

diff_bpm1Y_mean vs run
χ² / ndf 59.96 / 64
p0 0.7355 ± 12.46
pull
Entries 65
Mean 54.07
Std Dev 18.46

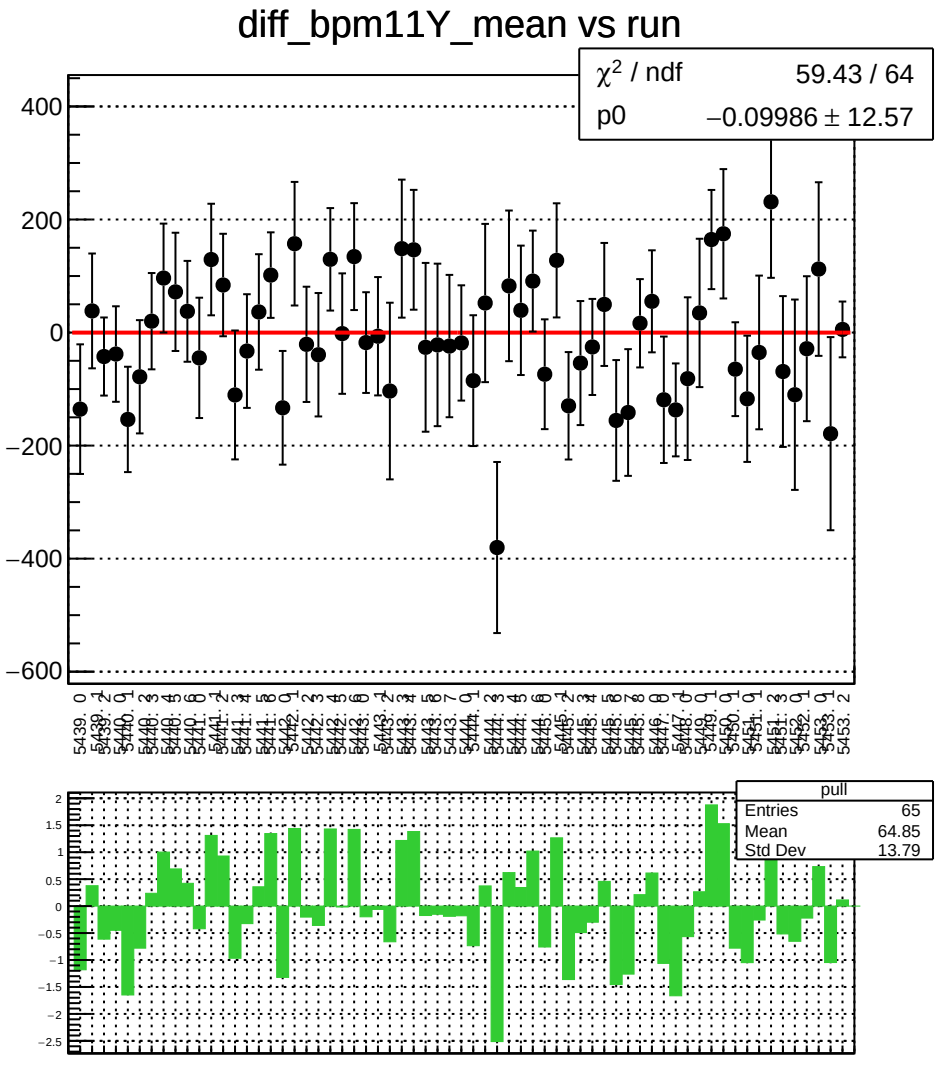

pull1D
Entries 65
Mean 0.03093
Std Dev 0.96

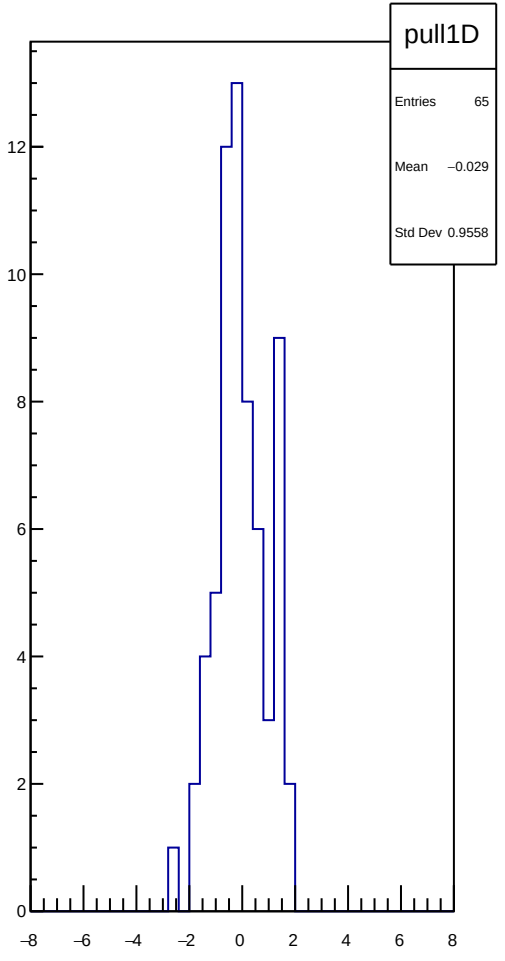

diff_bpm1Y_rms vs run
χ² / ndf 1.929e+04 / 64
p0 1.003e+04 ± 8.809
14000
13000
12000
11000
10000
9000
8000

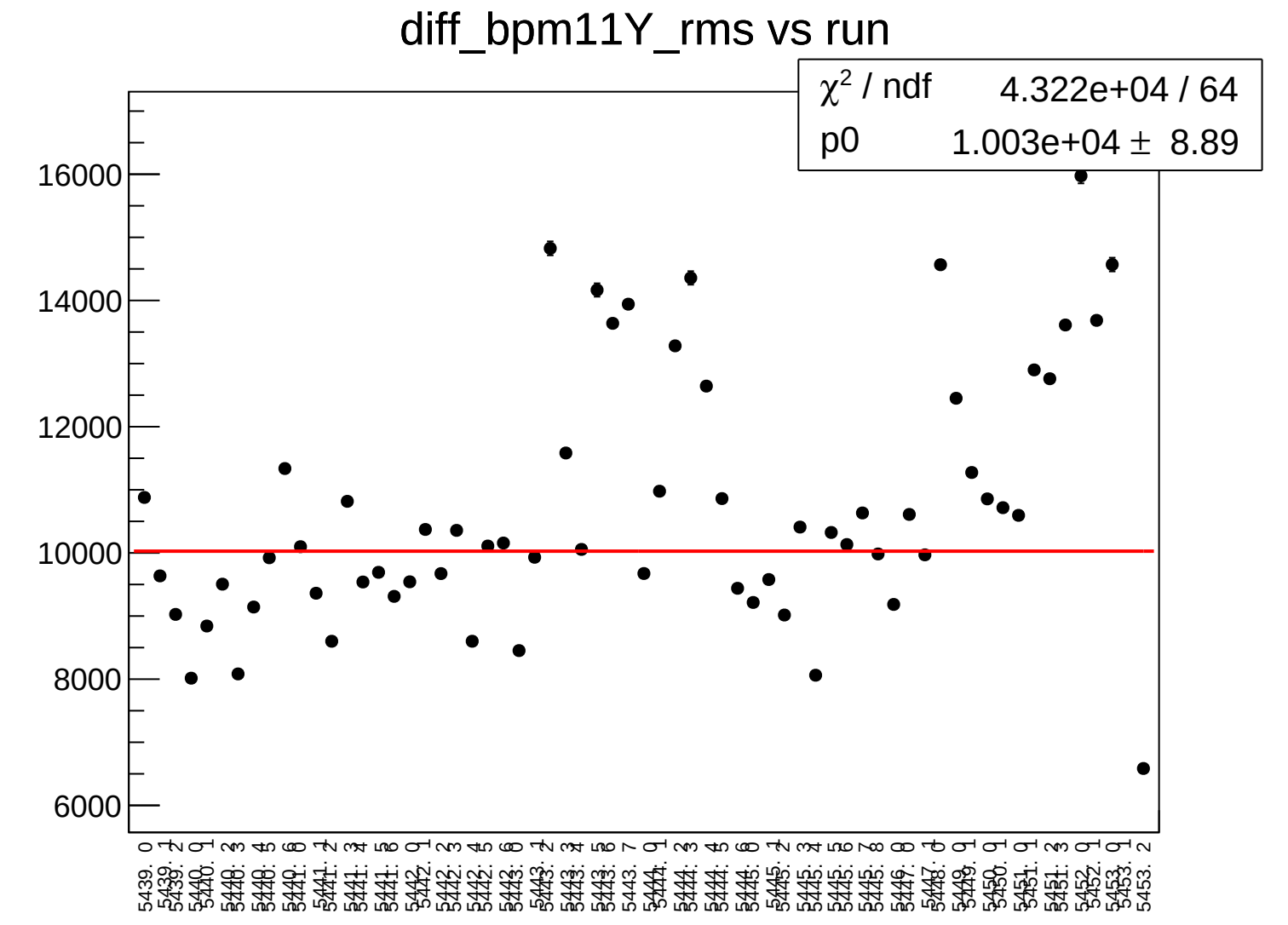

diff_bpm11X_mean vs run
χ² / ndf 53.08 / 64
p0 −5.45 ± 12.94
pull
Entries 65
Mean 36.6
Std Dev 45.44

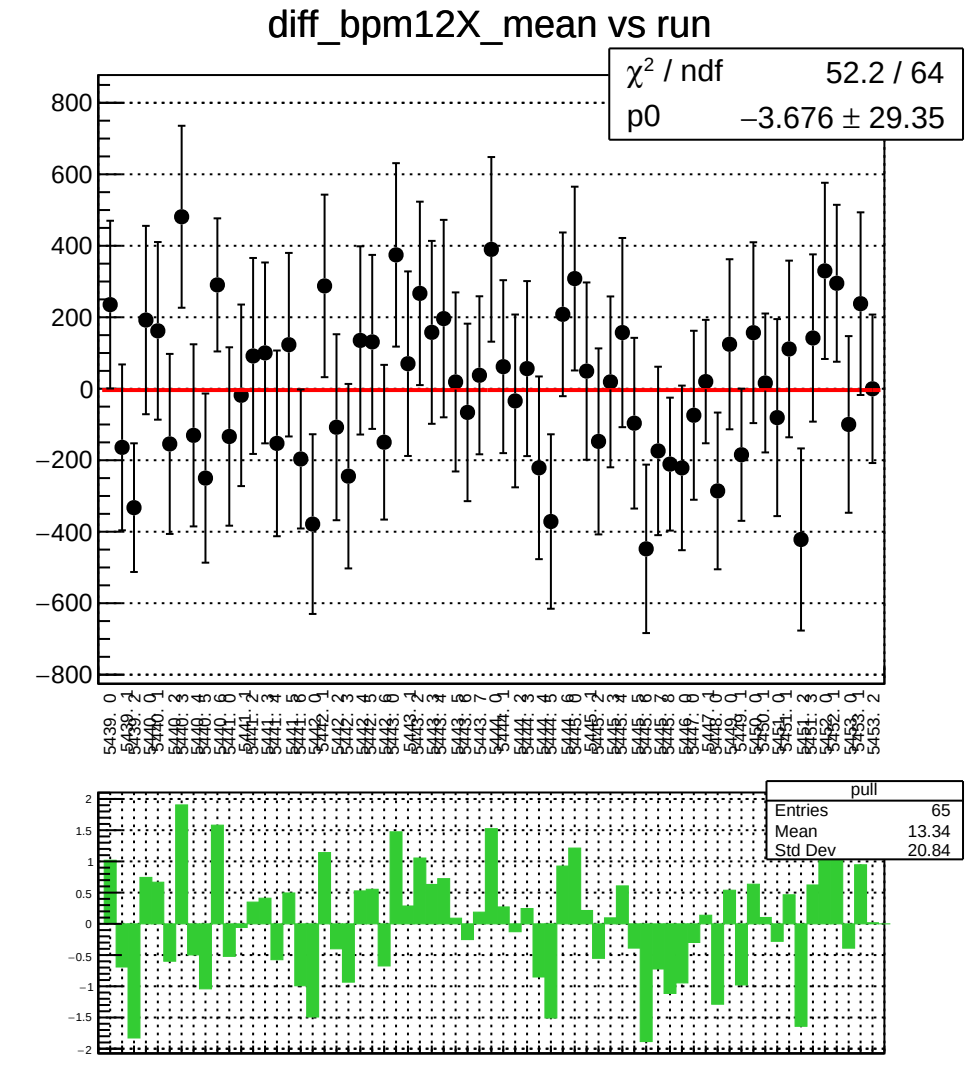

pull1D
Entries 65
Mean 0.01513
Std Dev 0.9036

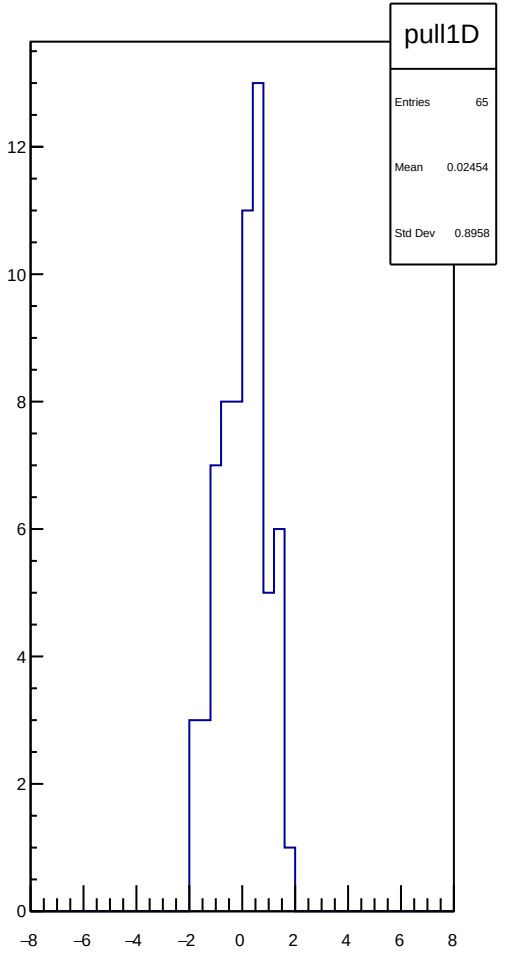

diff_bpm11X_rms vs run
χ² / ndf 2377 / 64
p0 1.048e+04 ± 9.148
12000
11500
11000
10500
10000
9500

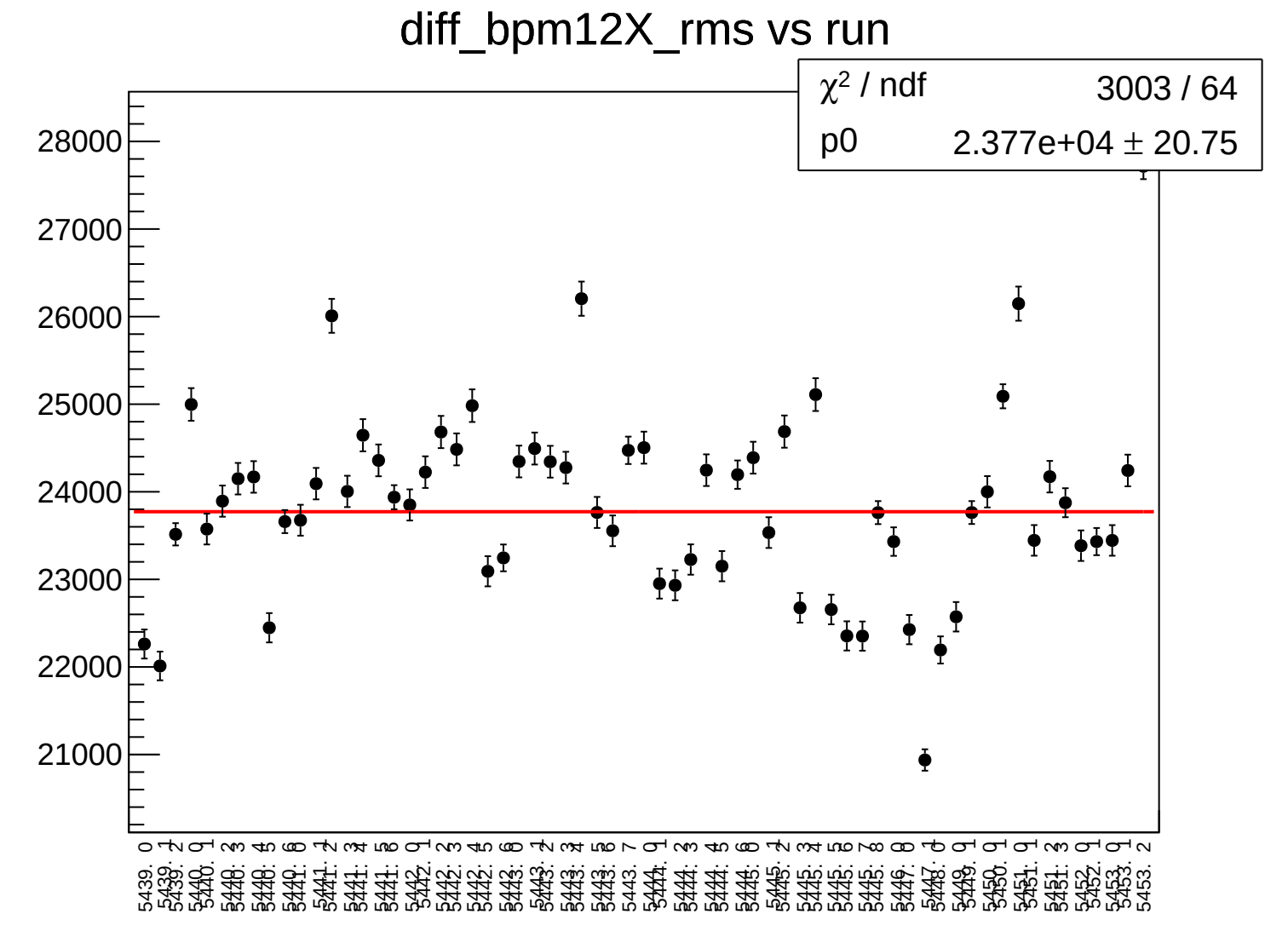

diff_bpm11Y_mean vs run
χ² / ndf 59.43 / 64
p0 −0.09986 ± 12.57
400
200
0
−200
−400
−600
pull
Entries 65
Mean 64.85
Std Dev 13.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

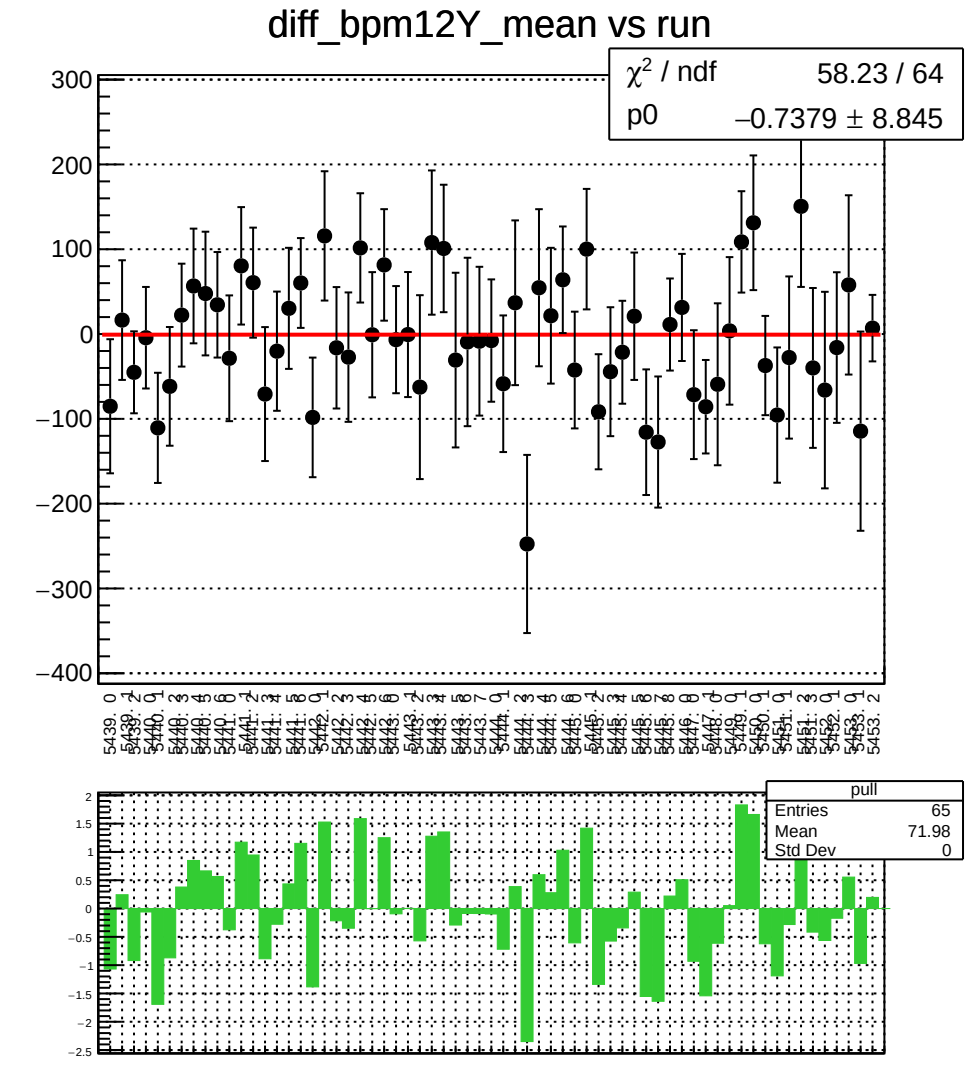

pull1D
Entries 65
Mean −0.029
Std Dev 0.9558
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

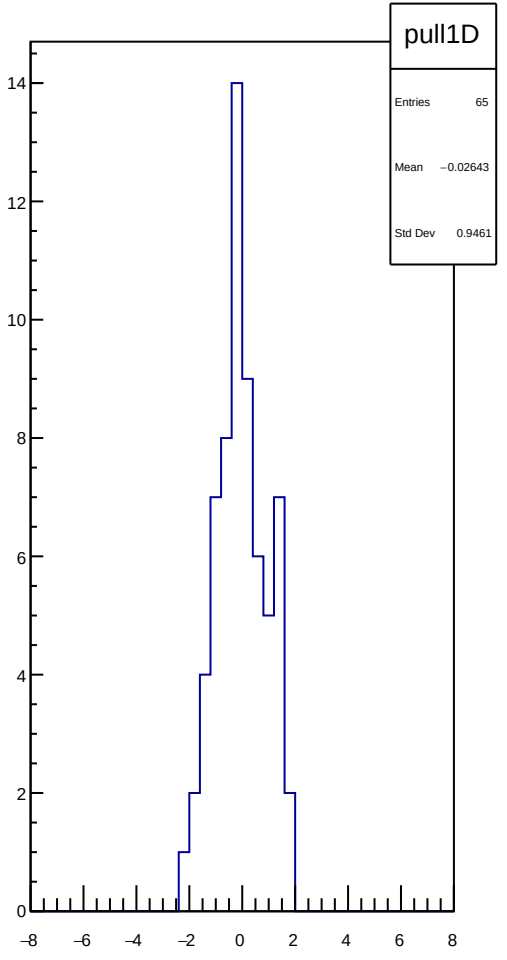

diff_bpm11Y_rms vs run
χ² / ndf 4.322e+04 / 64
p0 1.003e+04 ± 8.89
16000
14000
12000
10000
8000
6000

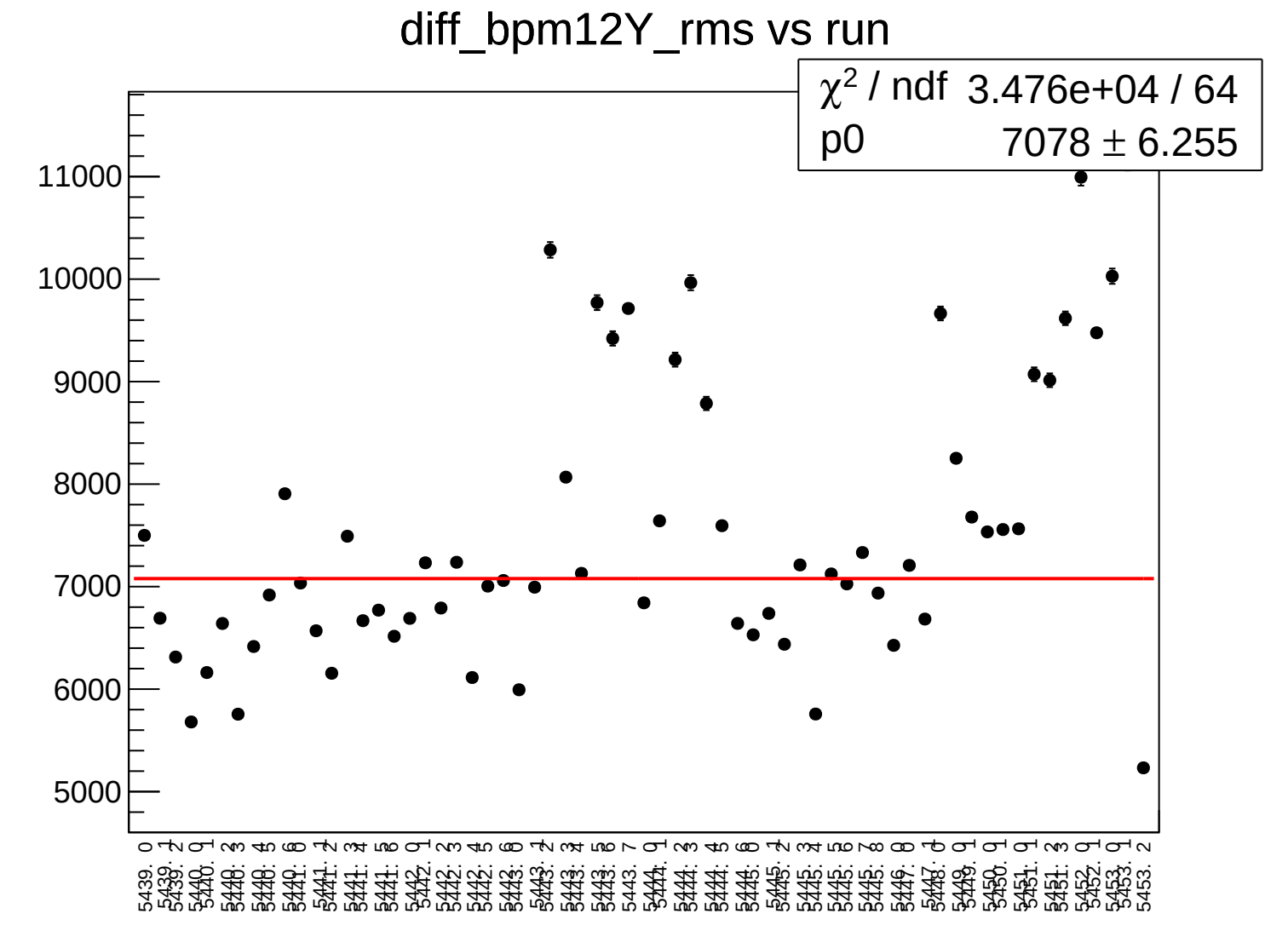

diff_bpm12X_mean vs run
χ² / ndf 52.2 / 64
p0 −3.676 ± 29.35
pull
Entries 65
Mean 13.34
Std Dev 20.84

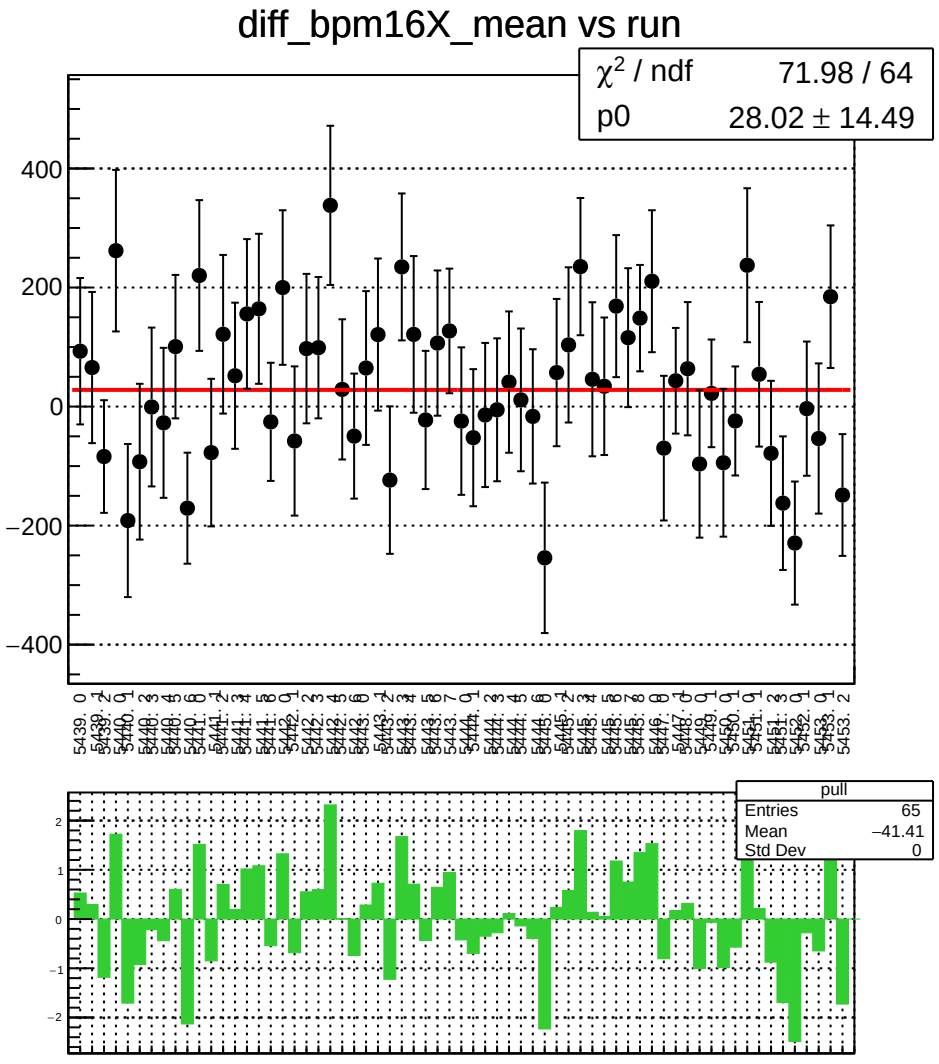

pull1D
Entries 65
Mean 0.02454
Std Dev 0.8958

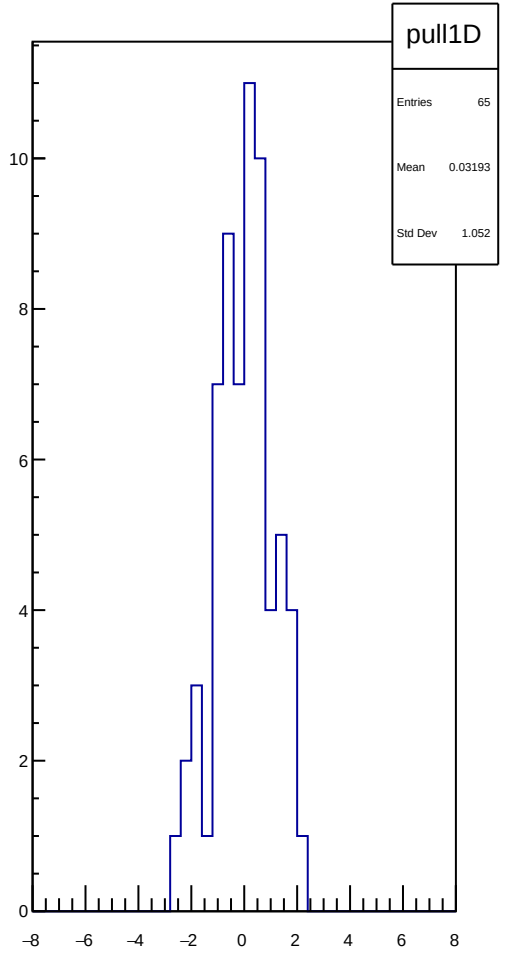

diff_bpm12X_rms vs run
χ² / ndf 3003 / 64
p0 2.377e+04 ± 20.75
28000
27000
26000
25000
24000
23000
22000
21000

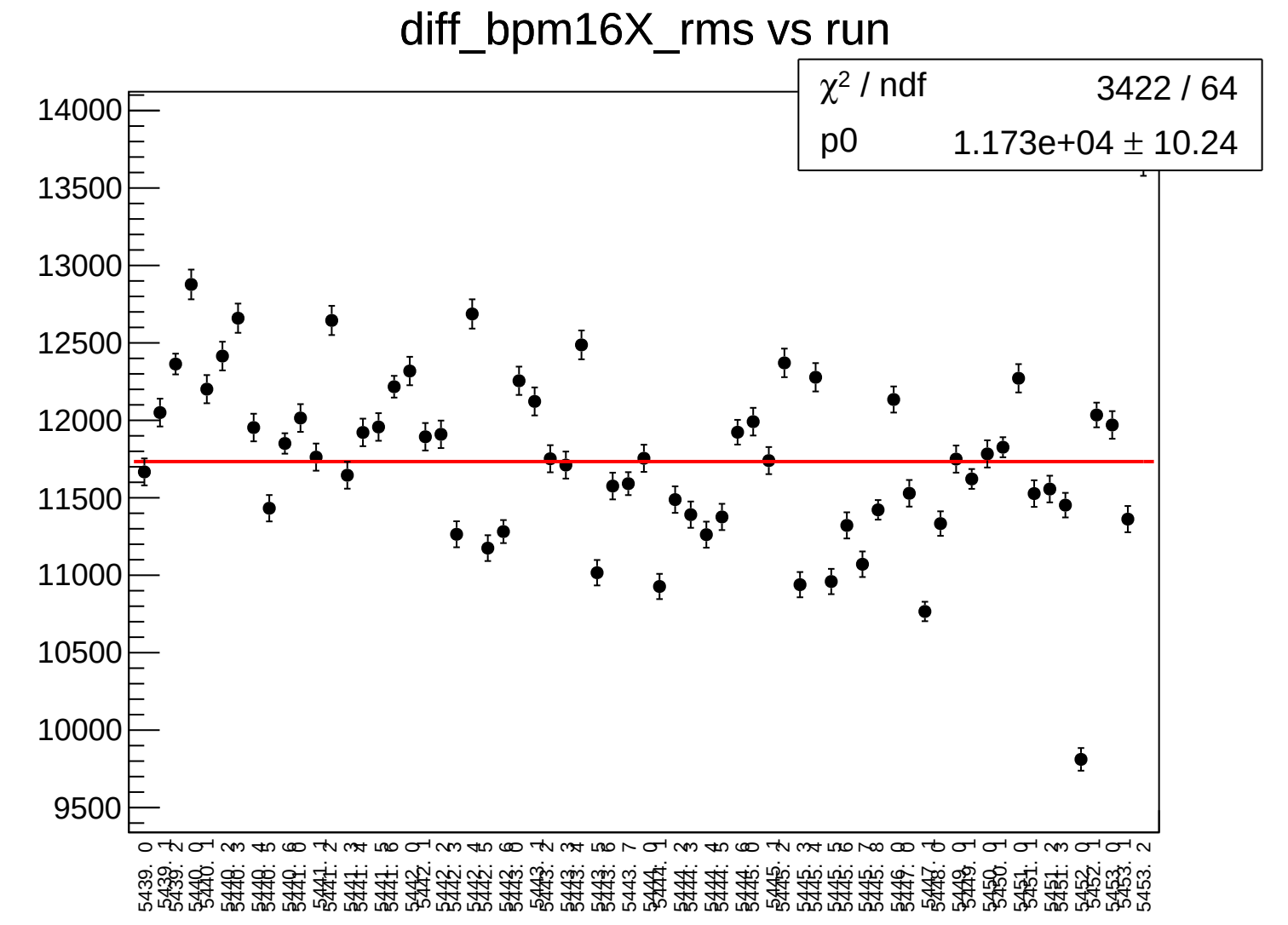

diff_bpm12Y_mean vs run
χ² / ndf 58.23 / 64
p0 −0.7379 ± 8.845
pull
Entries 65
Mean 71.98
Std Dev 0

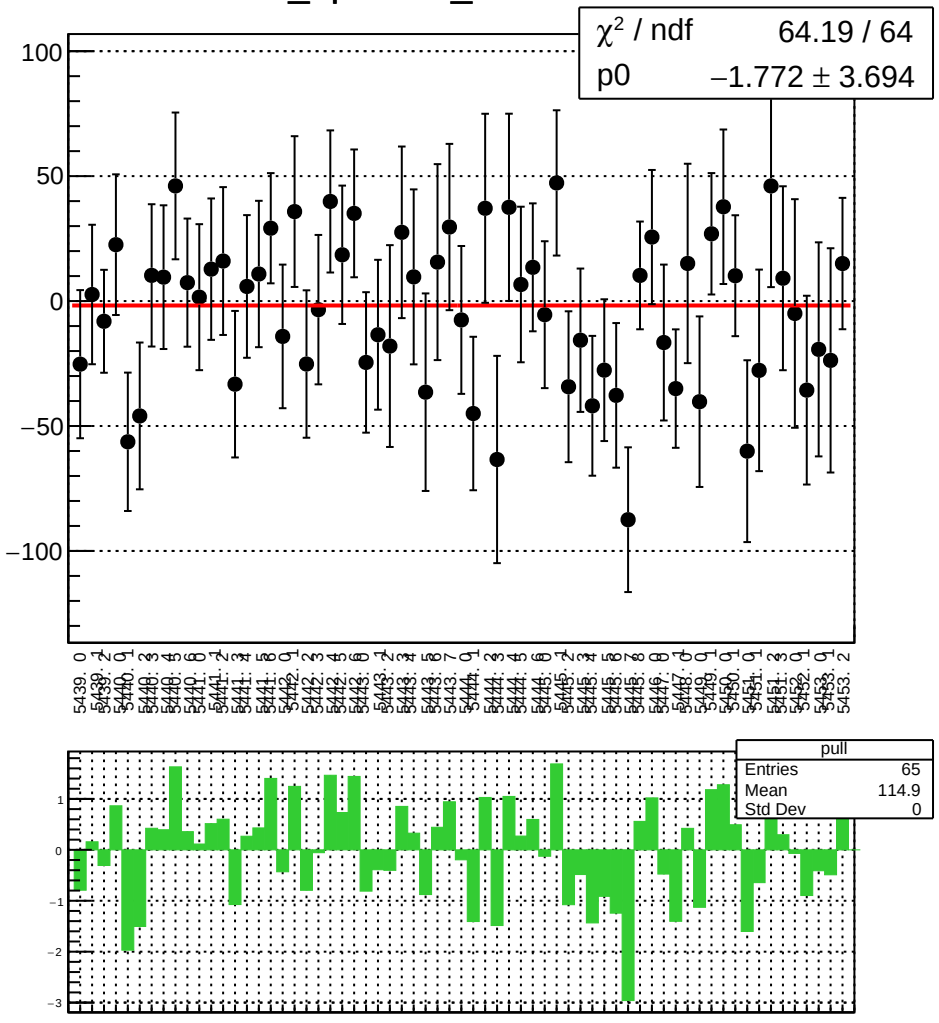

pull1D
Entries 65
Mean −0.02643
Std Dev 0.9461

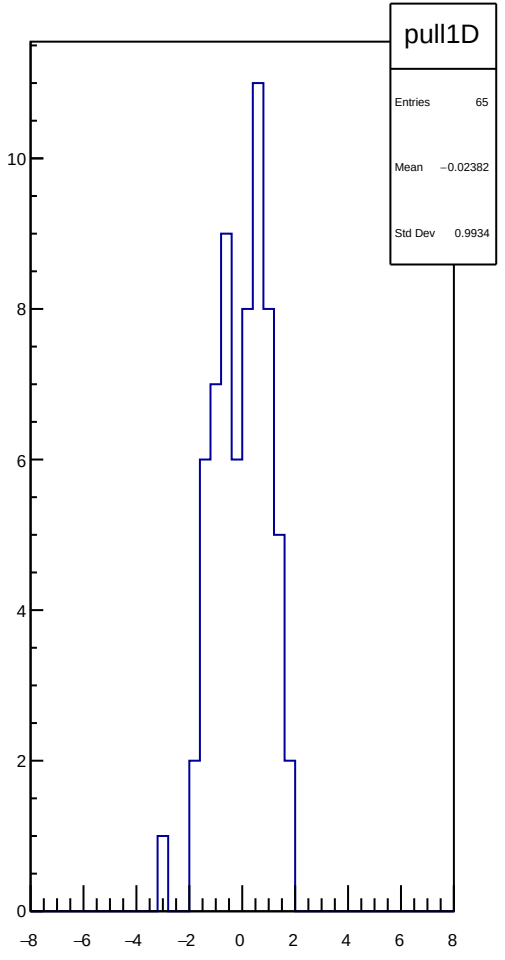

diff_bpm12Y_rms vs run
χ² / ndf 3.476e+04 / 64
p0 7078 ± 6.255
11000
10000
9000
8000
7000
6000
5000

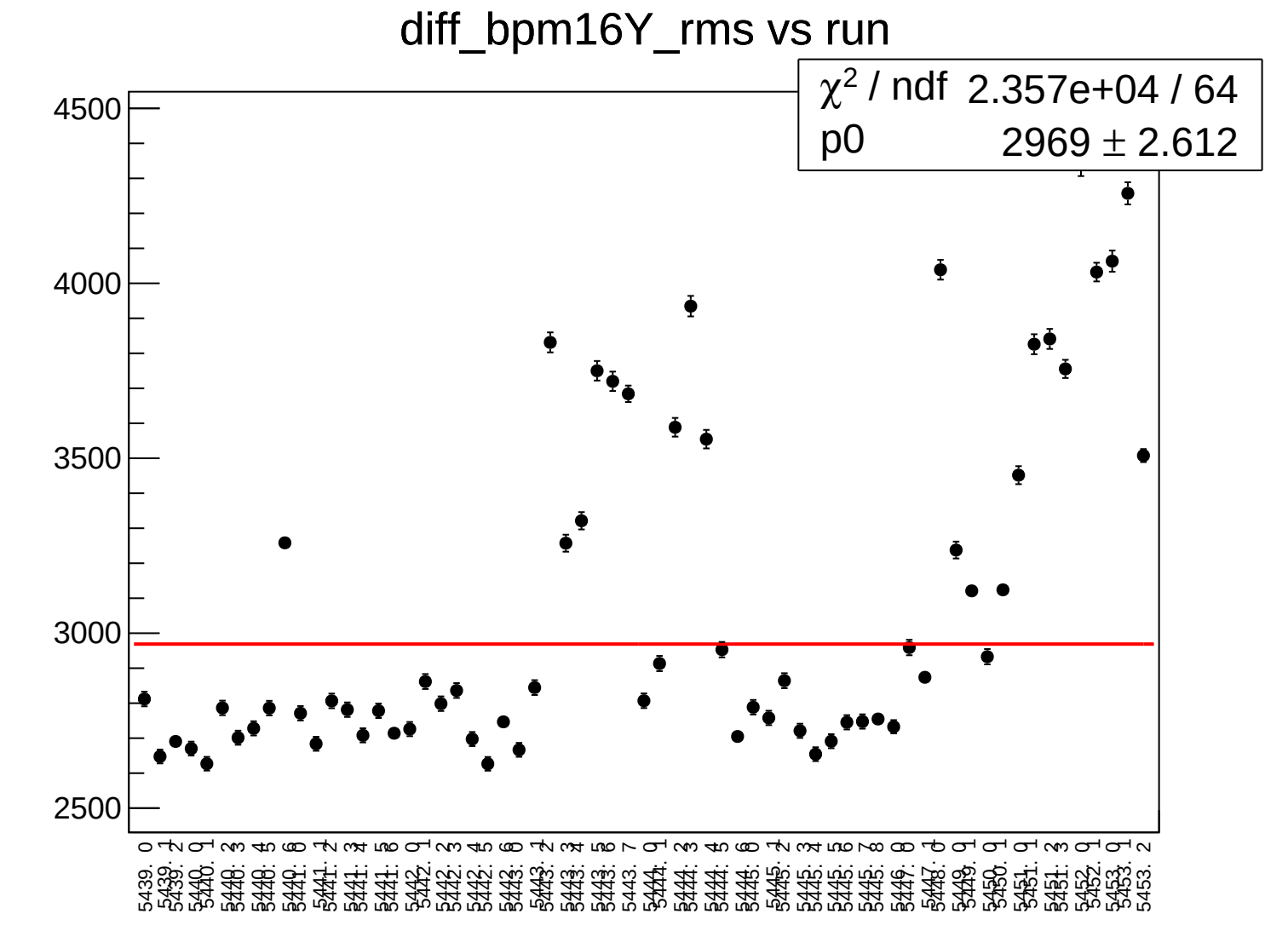

diff_bpm16X_mean vs run
χ^2 / ndf 71.98 / 64
p0 28.02 ± 14.49
400
200
0
−200
−400
pull
Entries 65
Mean −41.41
Std Dev 0
2
1
0
−1
−2

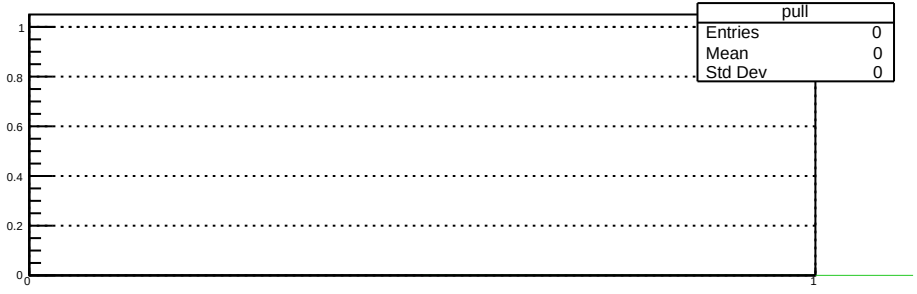

pull1D
Entries 65
Mean 0.03193
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

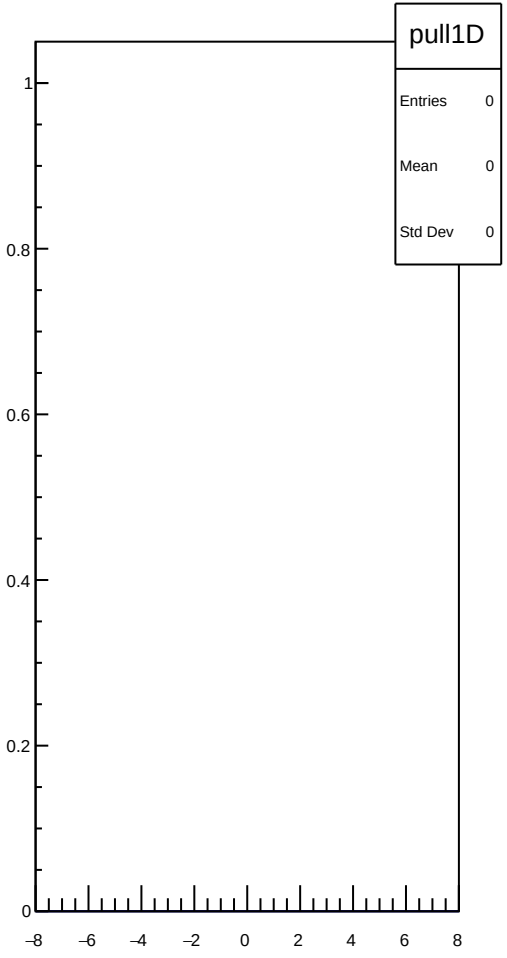

diff_bpm16X_rms vs run
χ² / ndf 3422 / 64
p0 1.173e+04 ± 10.24
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

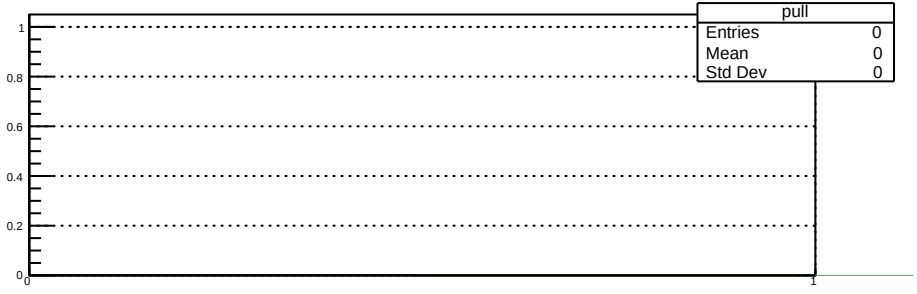

diff_bpm16Y_mean vs run
χ² / ndf 64.19 / 64
p0 −1.772 ± 3.694
pull
Entries 65
Mean 114.9
Std Dev 0

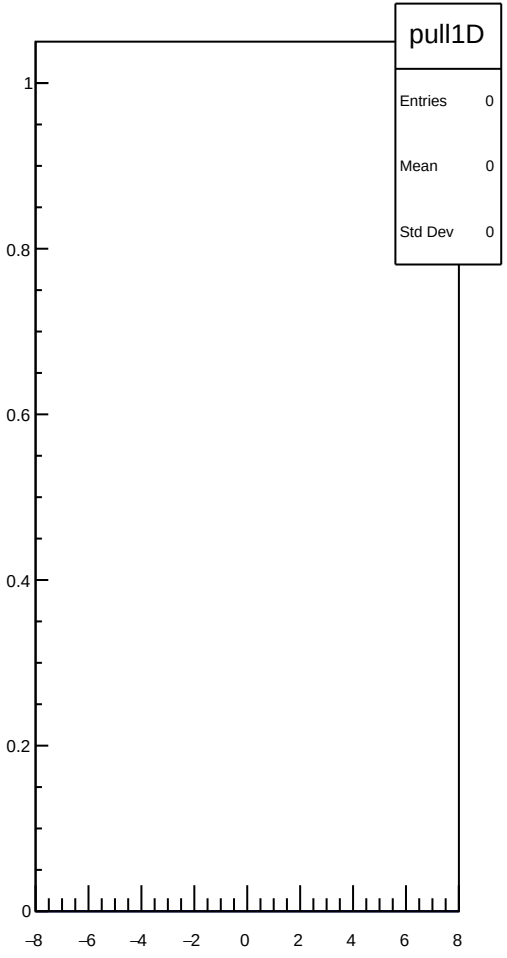

pull1D
Entries 65
Mean −0.02382
Std Dev 0.9934

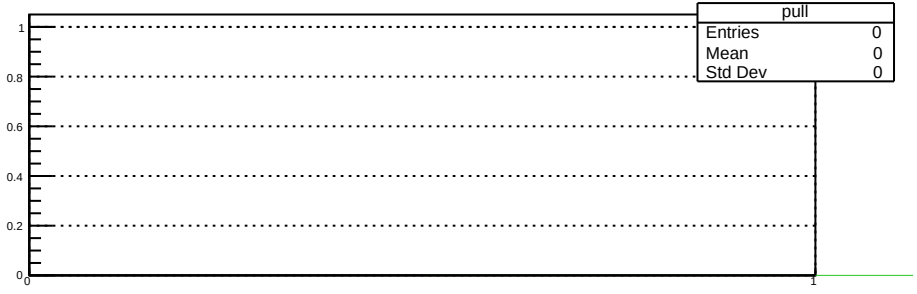

diff_bpm16Y_rms vs run
χ² / ndf 2.357e+04 / 64
p0 2969 ± 2.612
4500
4000
3500
3000
2500

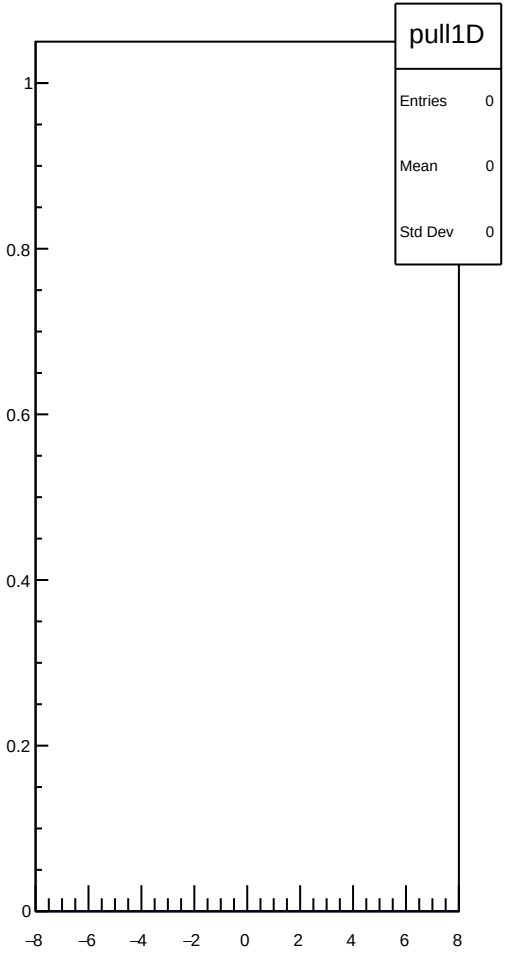

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

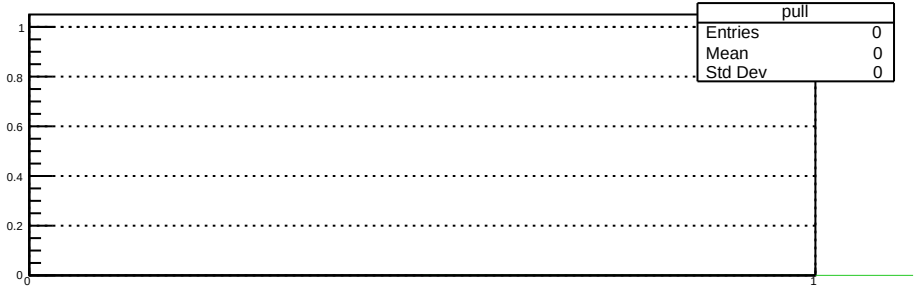

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

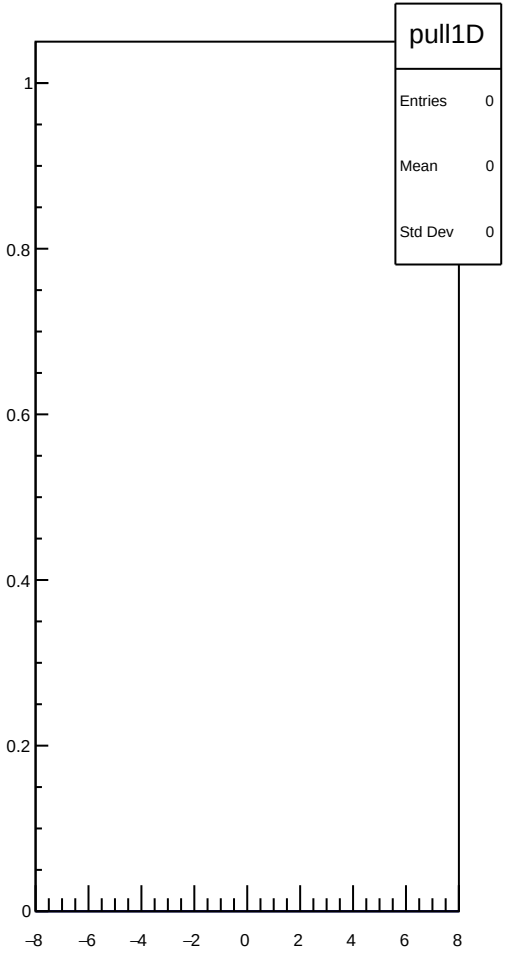

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

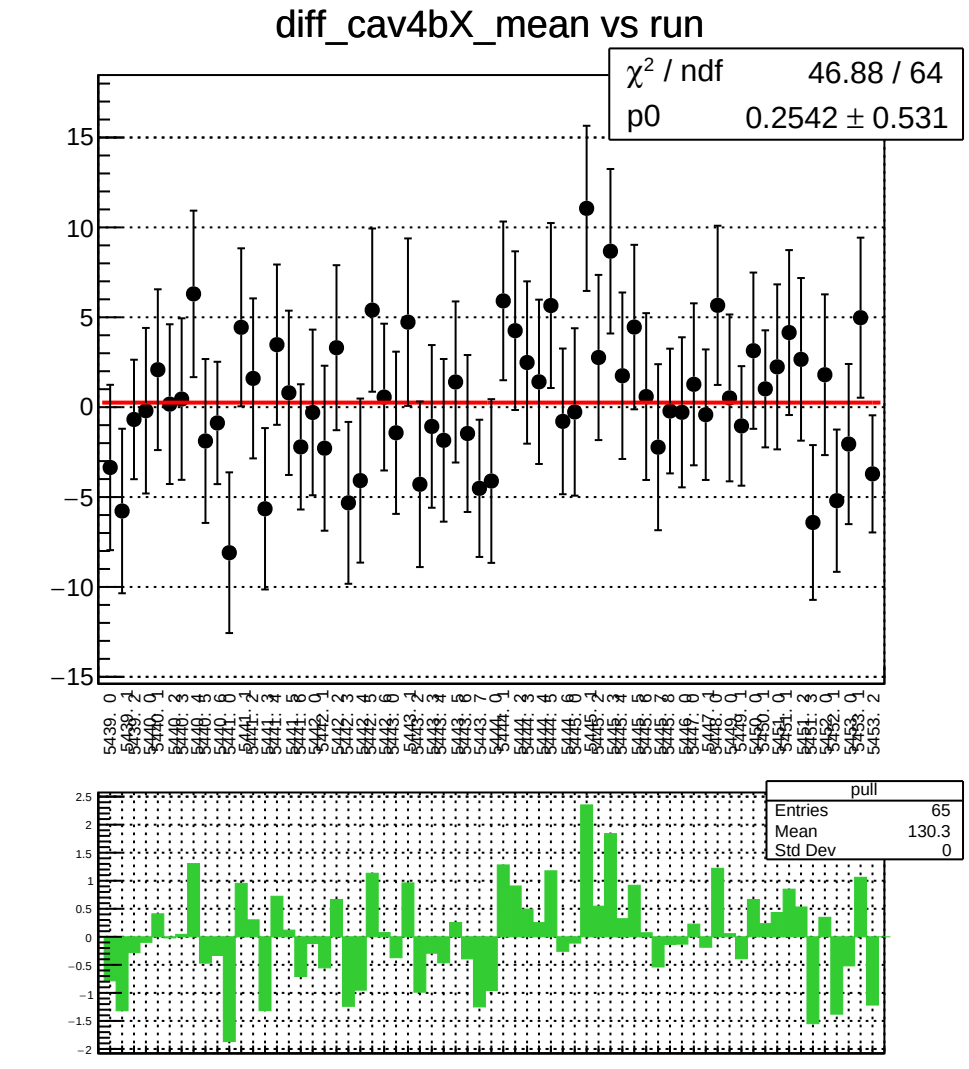

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

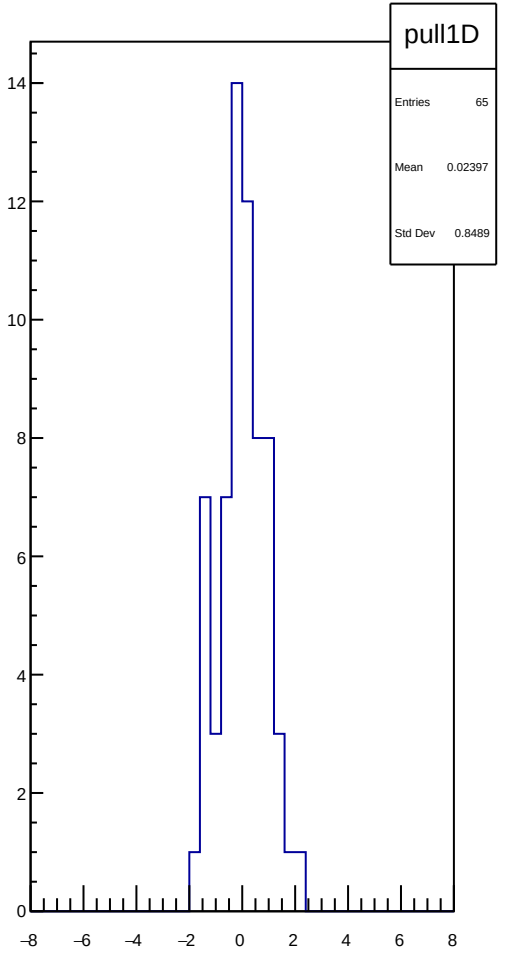

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

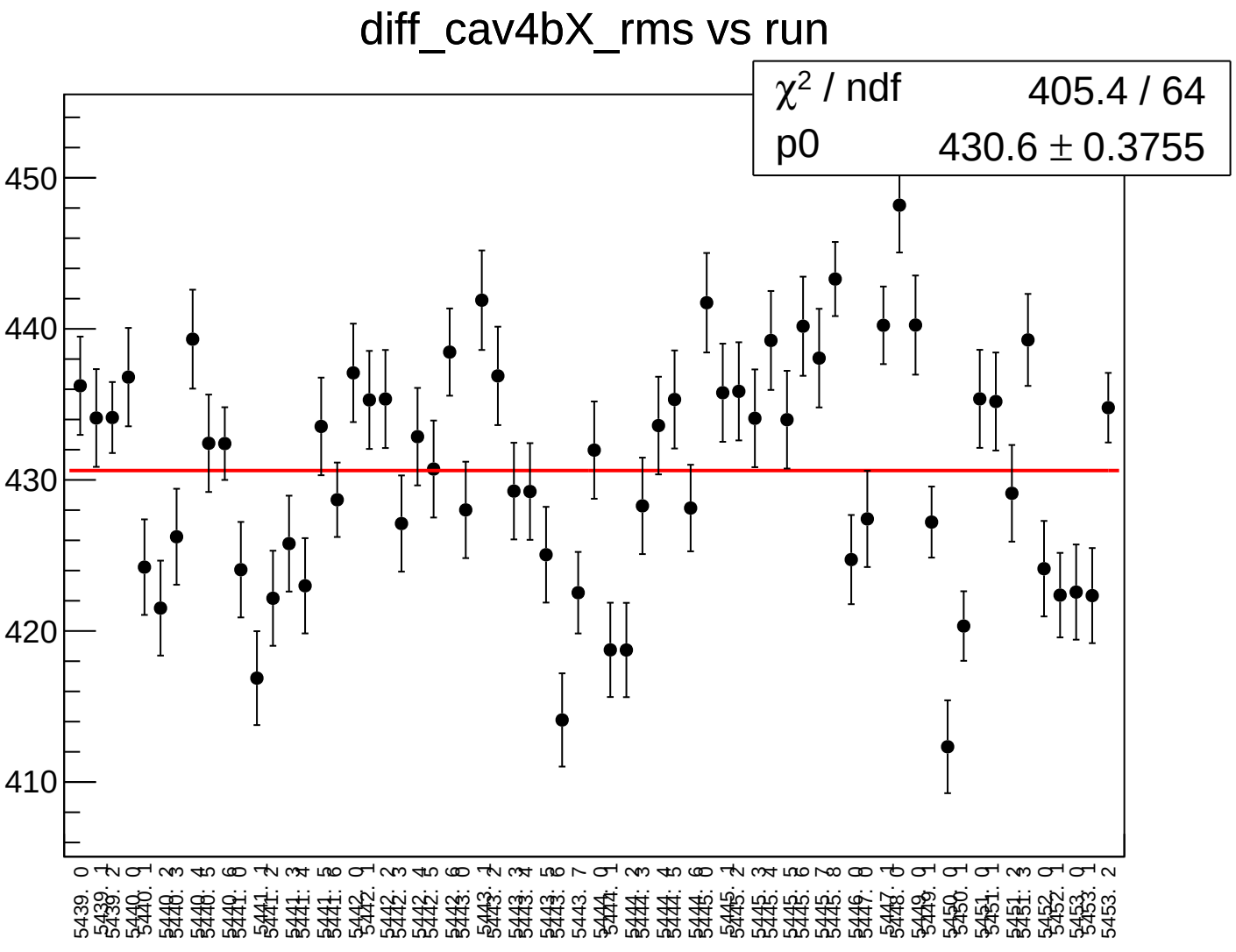

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

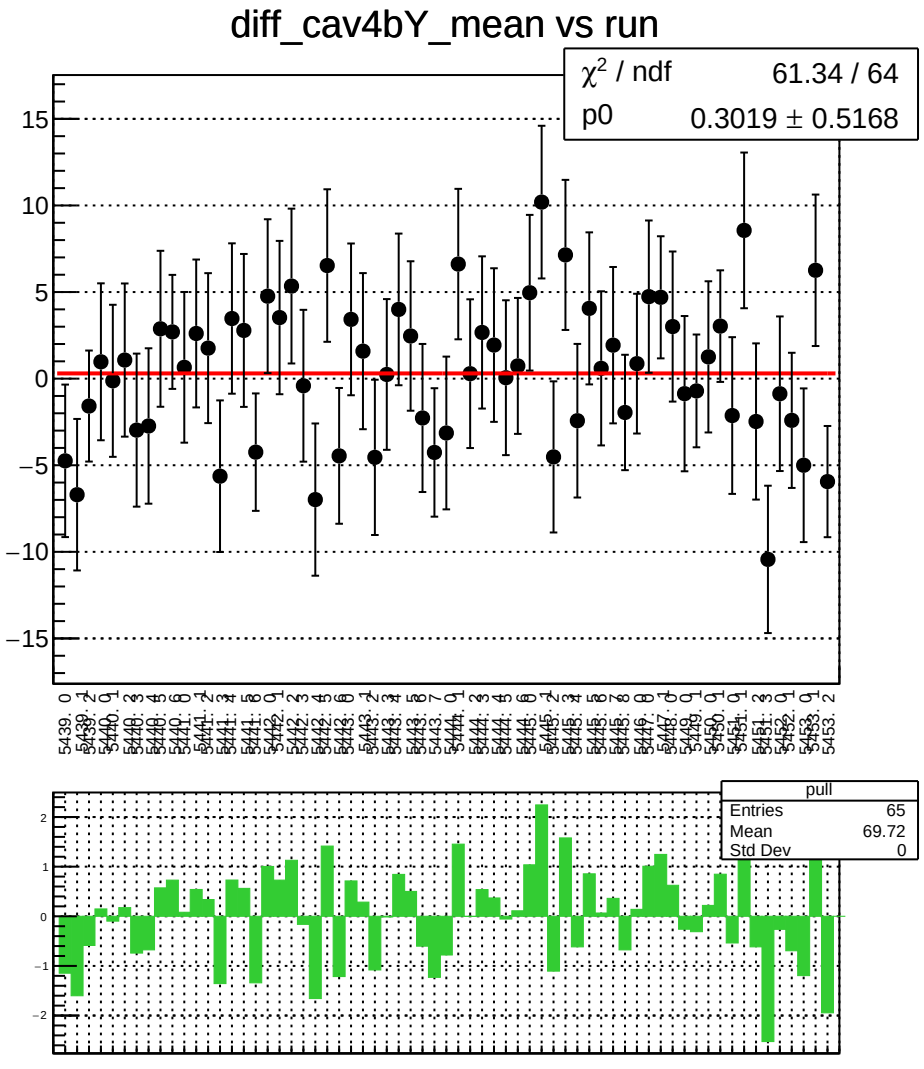

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

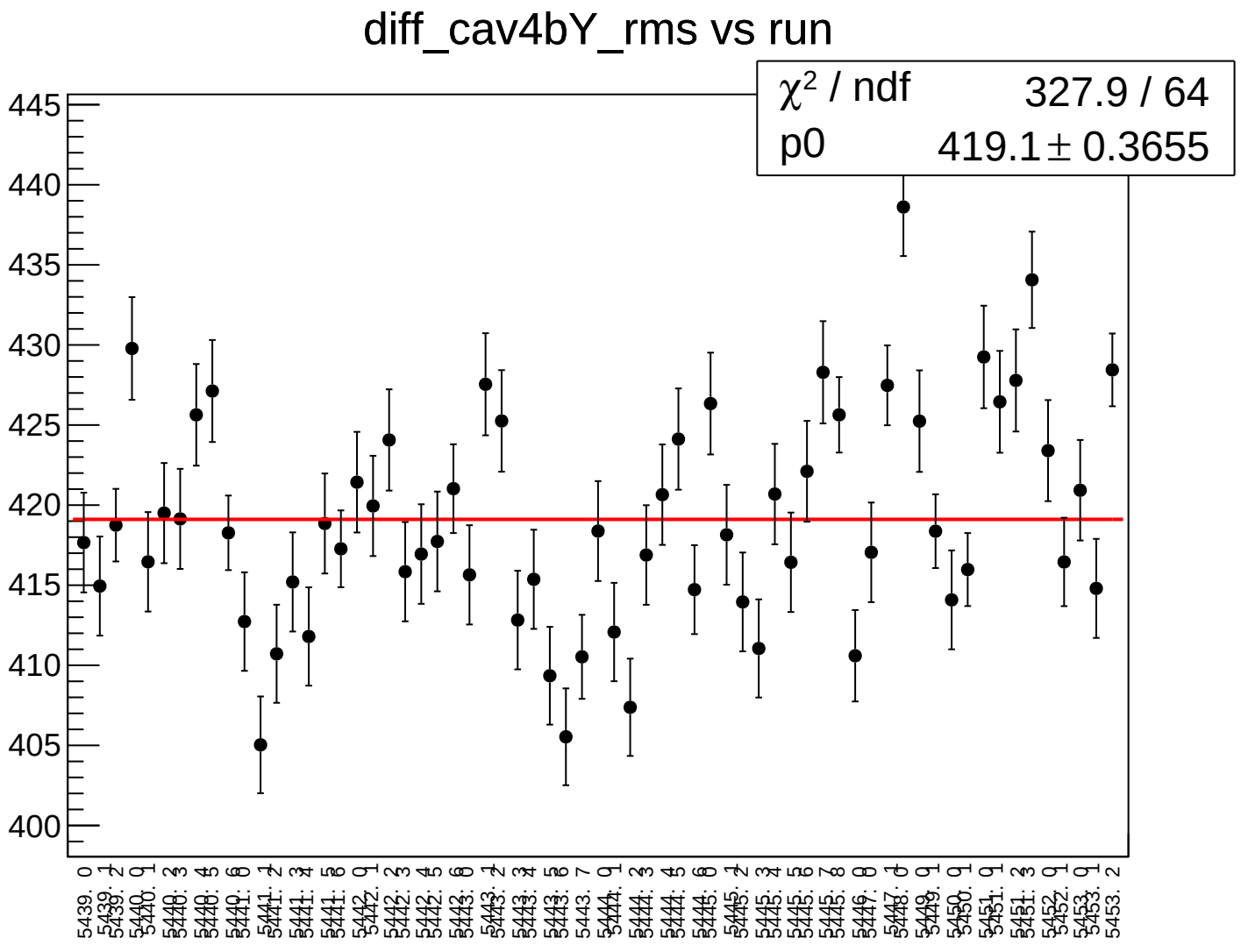

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

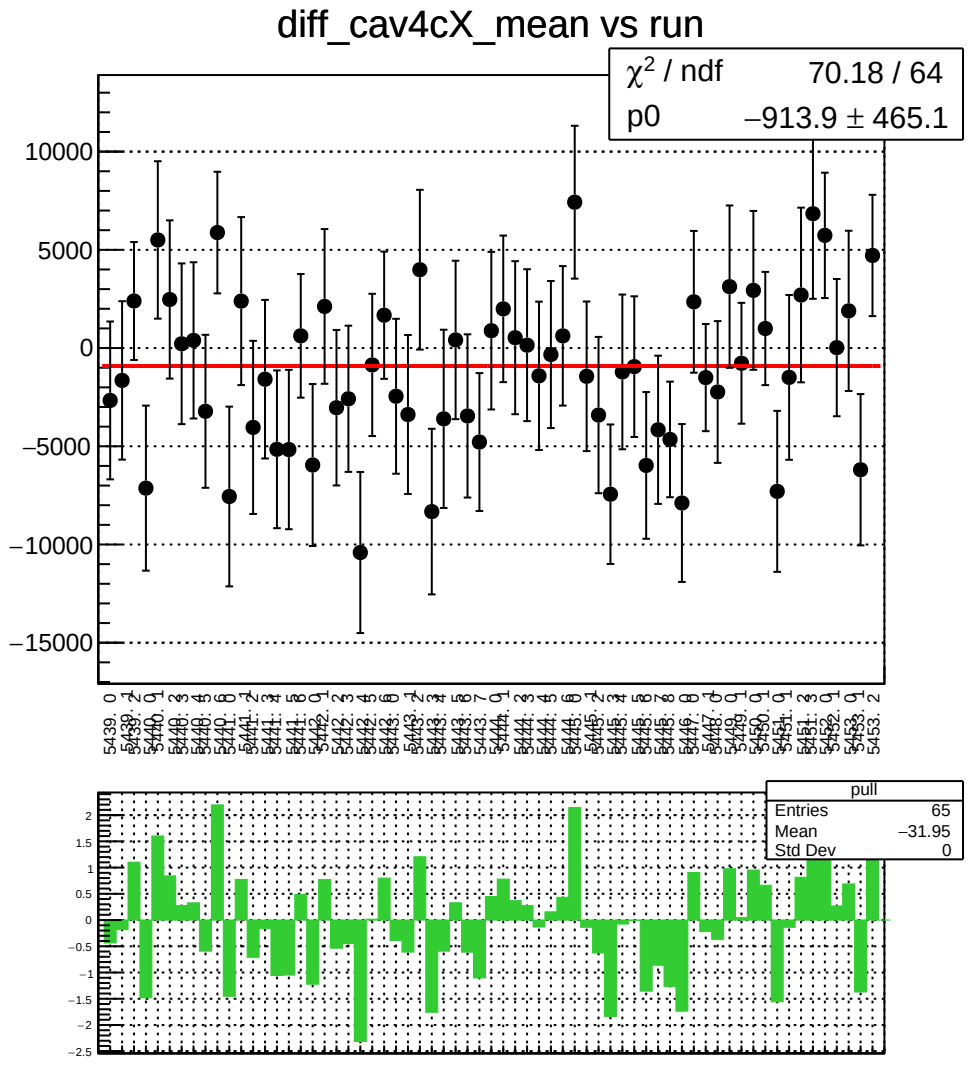

diff_cav4bX_mean vs run
χ² / ndf 46.88 / 64
p0 0.2542 ± 0.531
pull
Entries 65
Mean 130.3
Std Dev 0

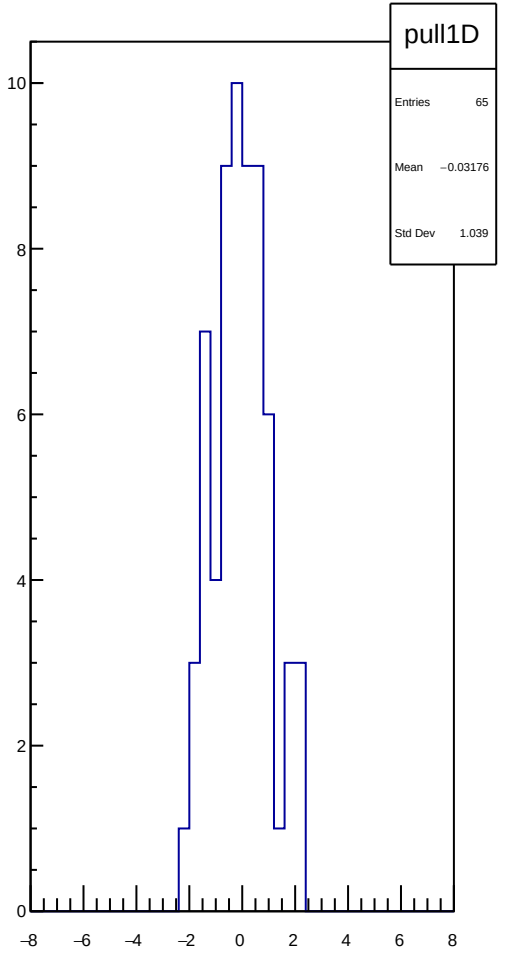

pull1D
Entries 65
Mean 0.02397
Std Dev 0.8489

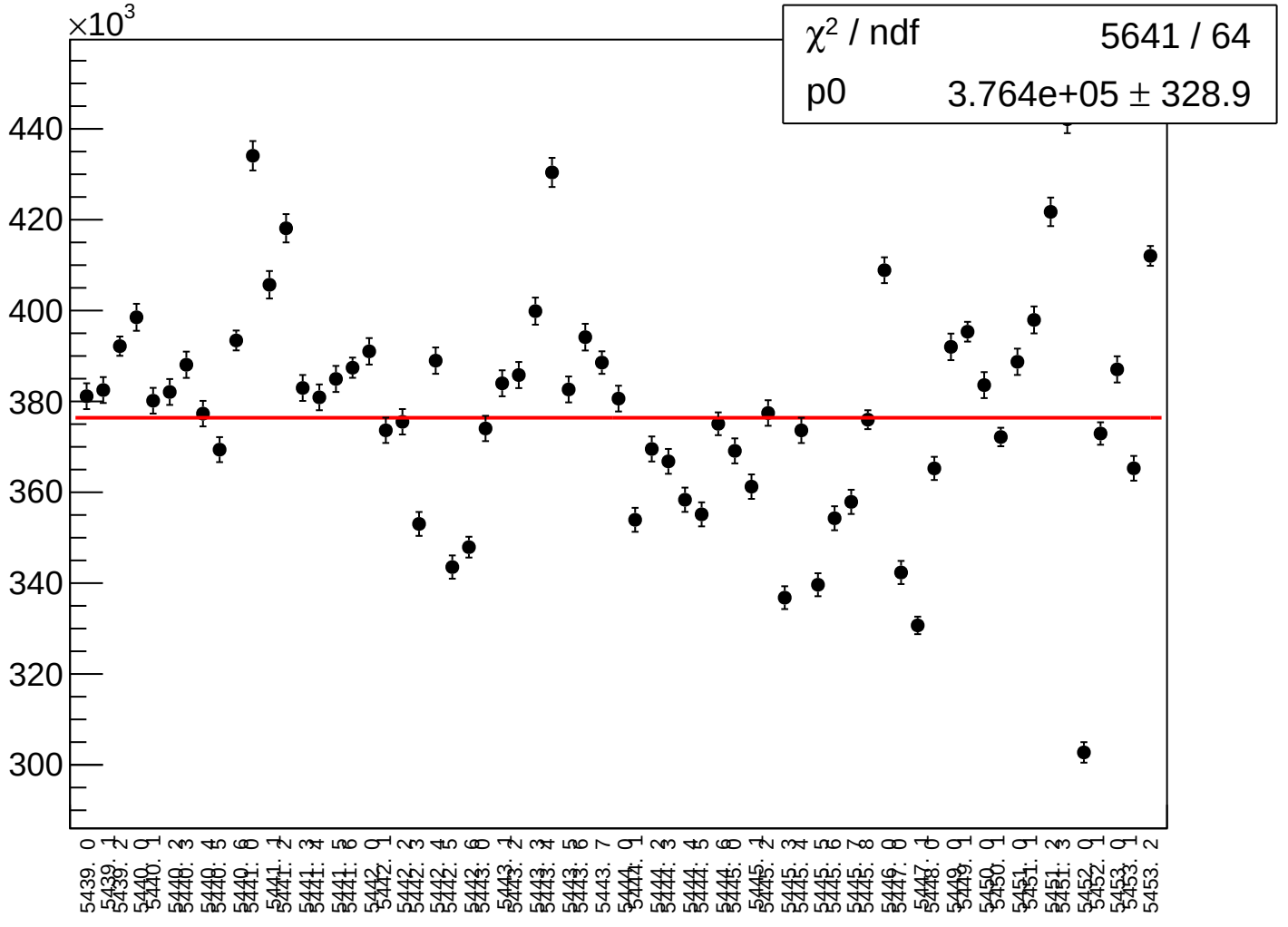

diff_cav4bX_rms vs run
χ² / ndf 405.4 / 64
p0 430.6 ± 0.3755
450
440
430
420
410

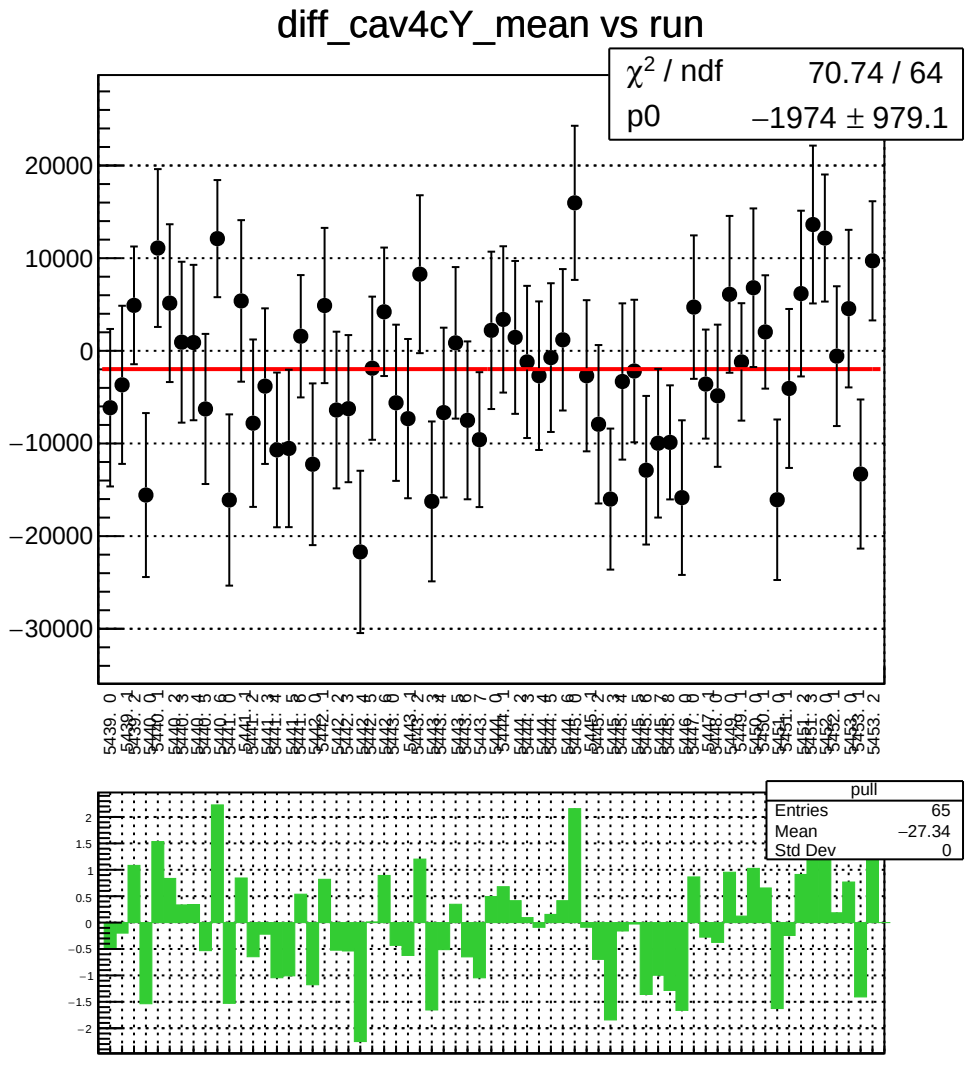

diff_cav4bY_mean vs run
χ² / ndf 61.34 / 64
p0 0.3019 ± 0.5168
pull
Entries 65
Mean 69.72
Std Dev 0
pull1D
Entries 65
Mean 0.02003
Std Dev 0.9712

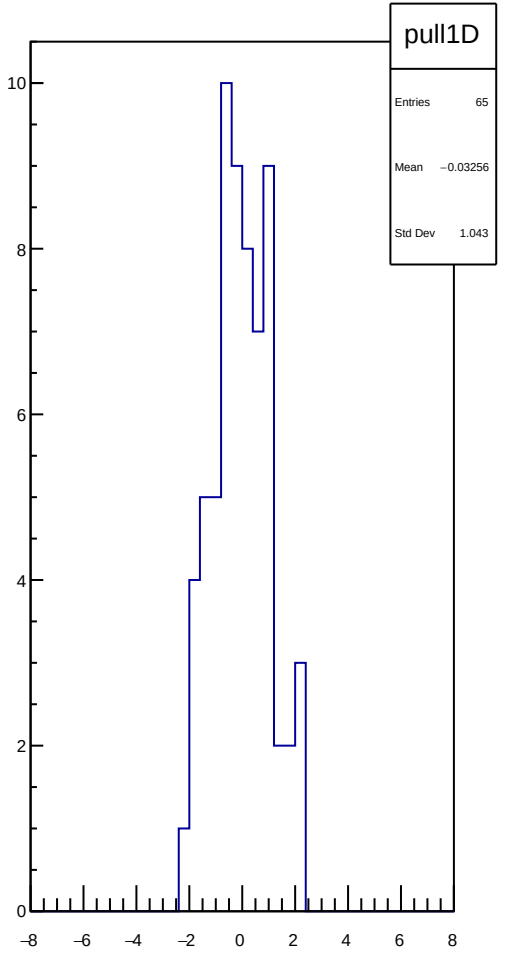

diff_cav4bY_rms vs run
χ² / ndf 327.9 / 64
p0 419.1 ± 0.3655
445
440
435
430
425
420
415
410
405
400

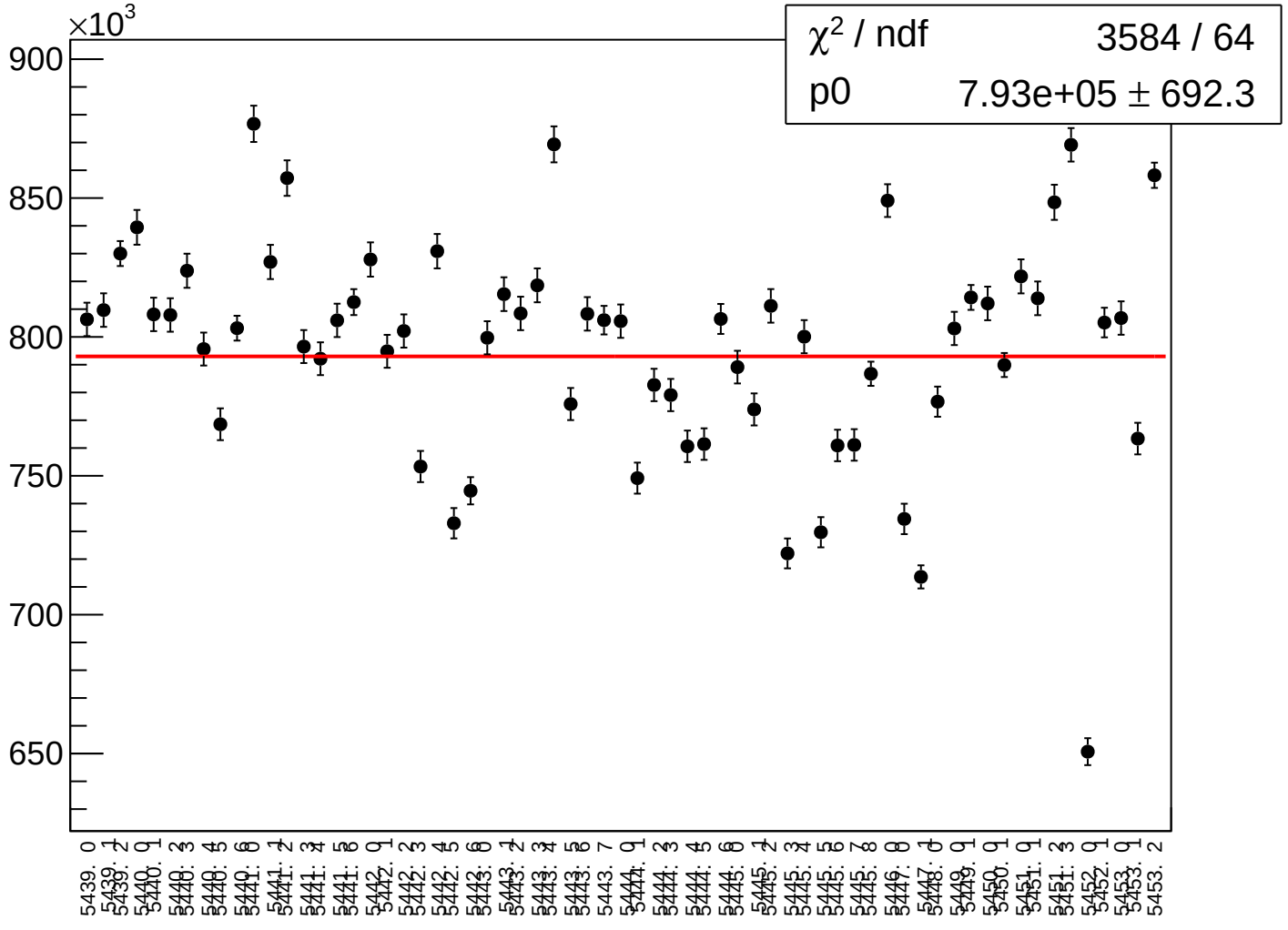

diff_cav4cX_mean vs run
χ^2 / ndf 70.18 / 64
p0 −913.9 ± 465.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean −31.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

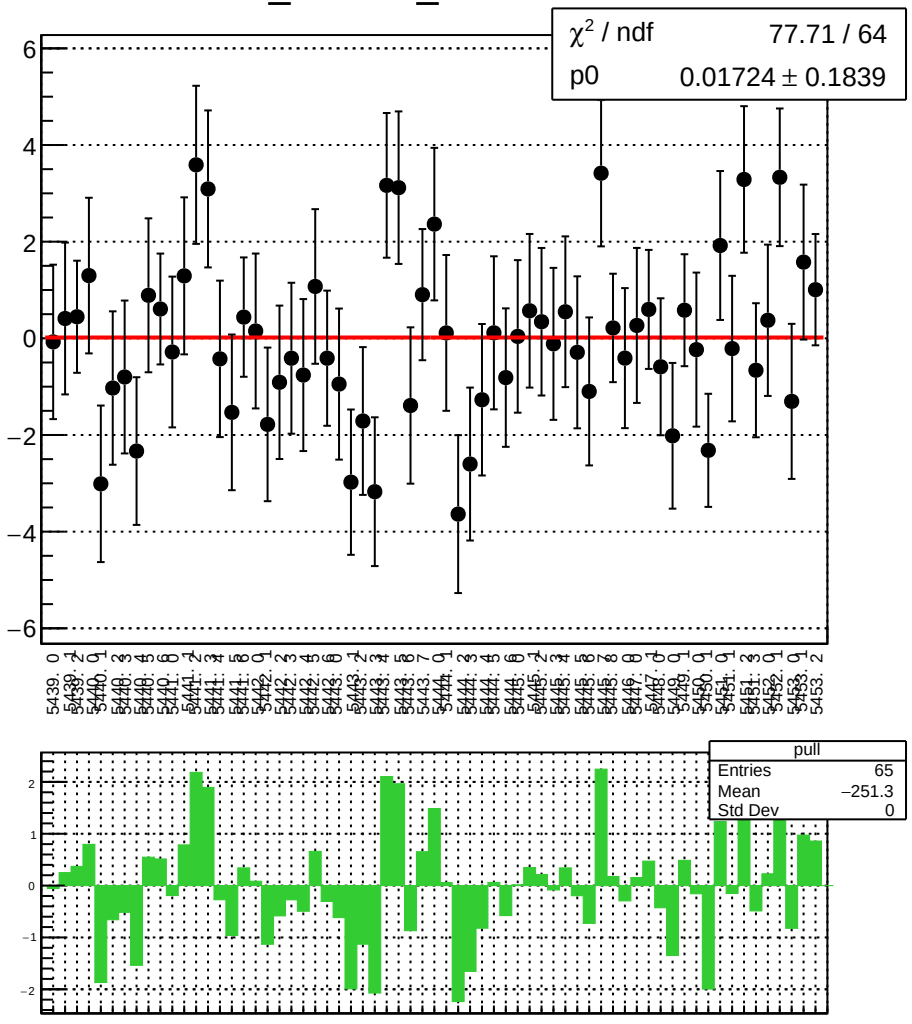

pull1D
Entries 65
Mean −0.03176
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

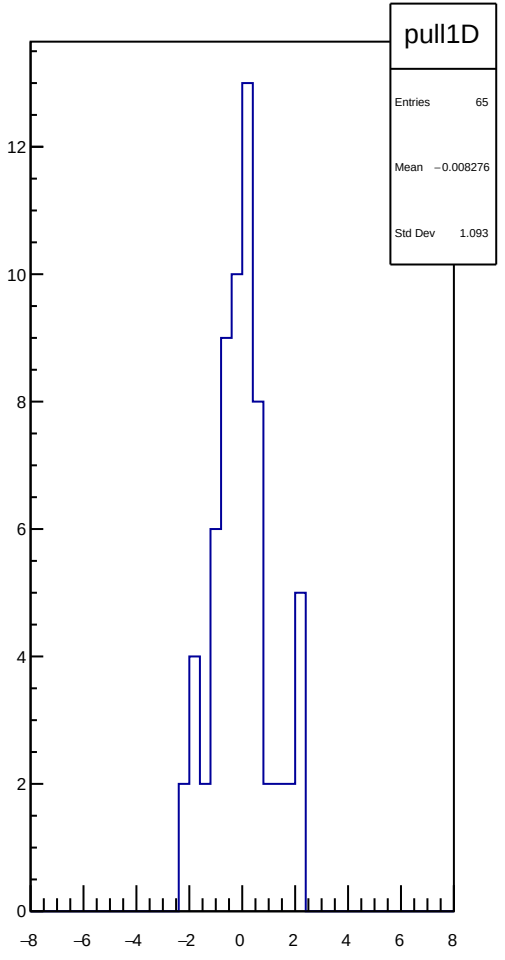

diff_cav4cX_rms vs run
×10^3
χ² / ndf 5641 / 64
p0 3.764e+05 ± 328.9
440
420
400
380
360
340
320
300

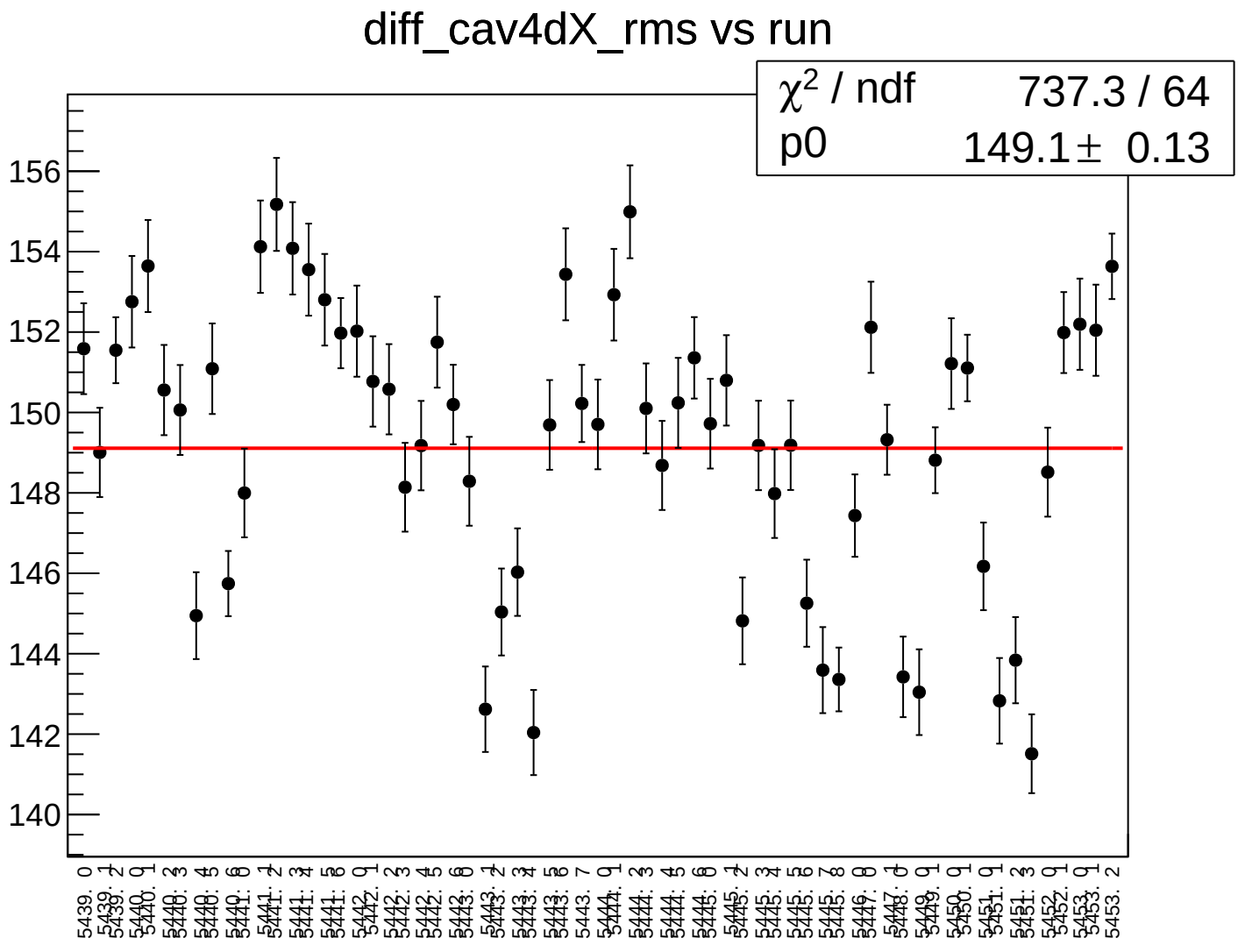

diff_cav4cY_mean vs run
χ² / ndf 70.74 / 64
p0 −1974 ± 979.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −27.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

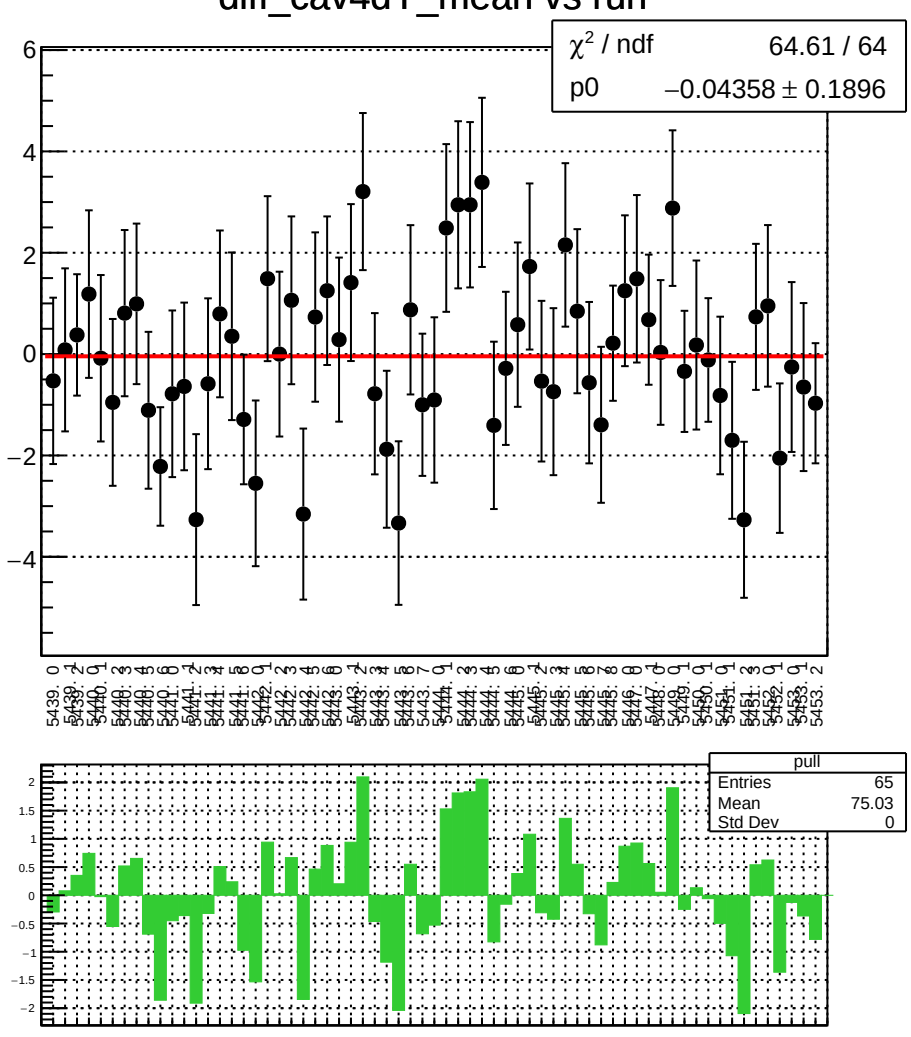

pull1D
Entries 65
Mean −0.03256
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

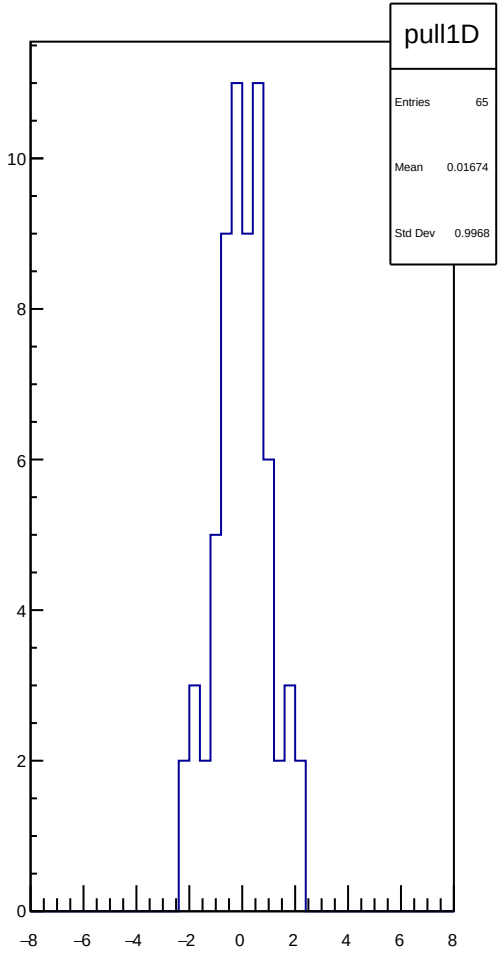

diff_cav4cY_rms vs run
×10^3
900
850
800
750
700
650
χ² / ndf 3584 / 64
p0 7.93e+05 ± 692.3
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

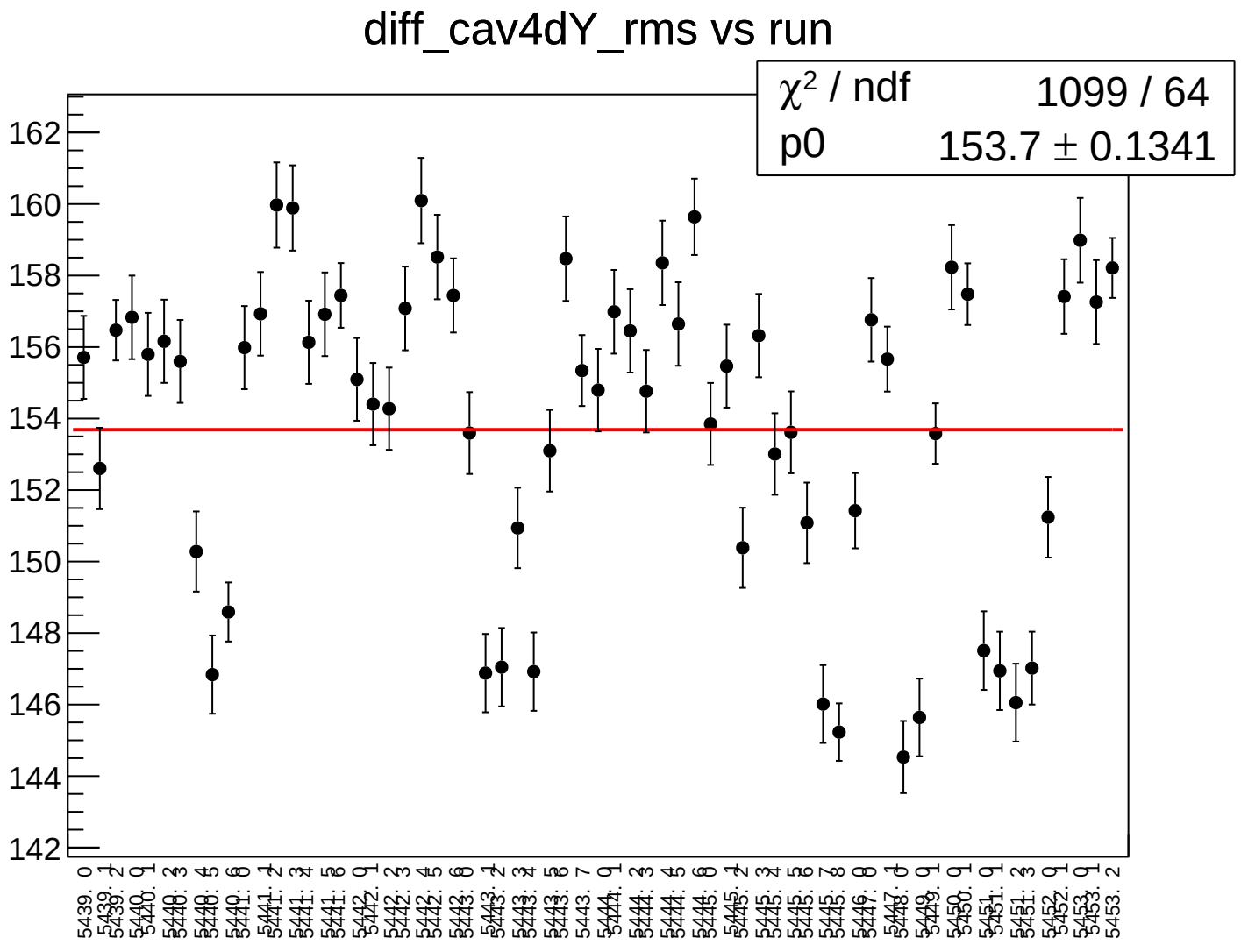

diff_cav4dX_mean vs run
χ² / ndf 77.71 / 64
p0 0.01724 ± 0.1839
pull
Entries 65
Mean −251.3
Std Dev 0

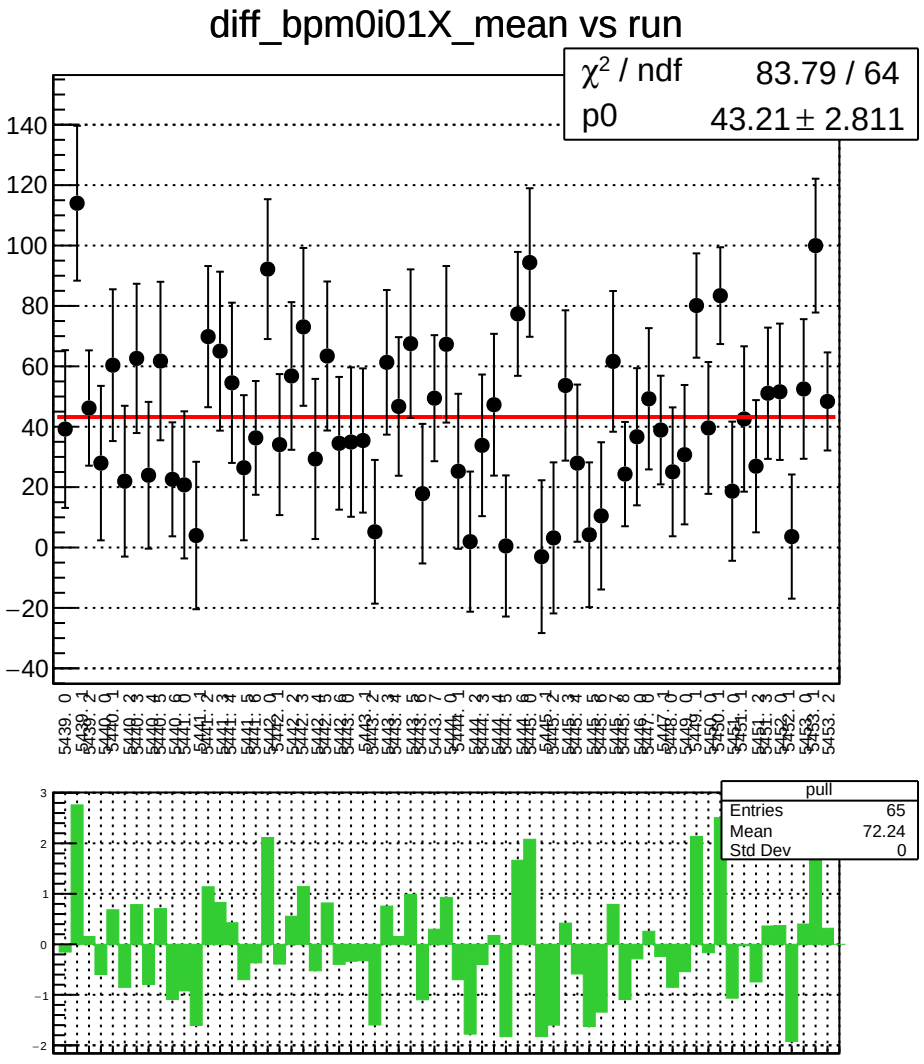

pull1D
Entries 65
Mean −0.008276
Std Dev 1.093

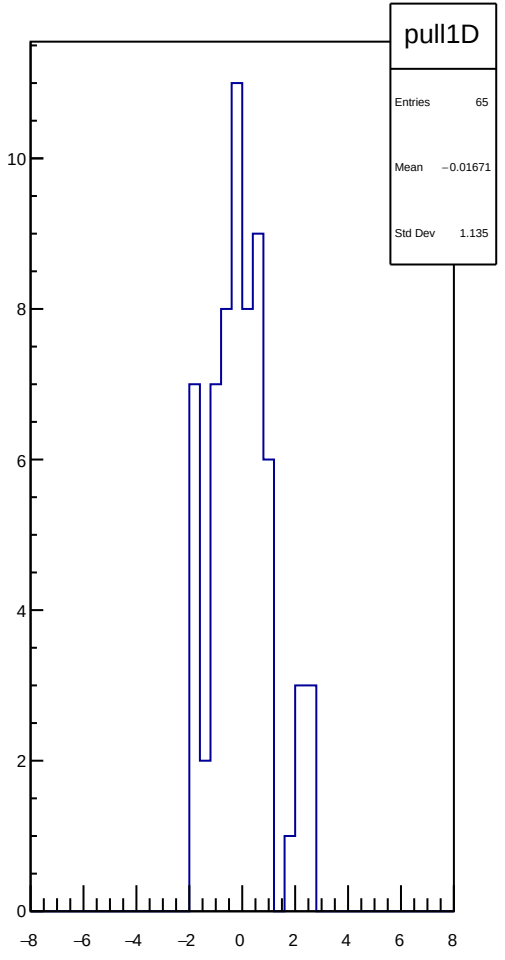

diff_cav4dX_rms vs run
χ² / ndf 737.3 / 64
p0 149.1 ± 0.13
156
154
152
150
148
146
144
142
140

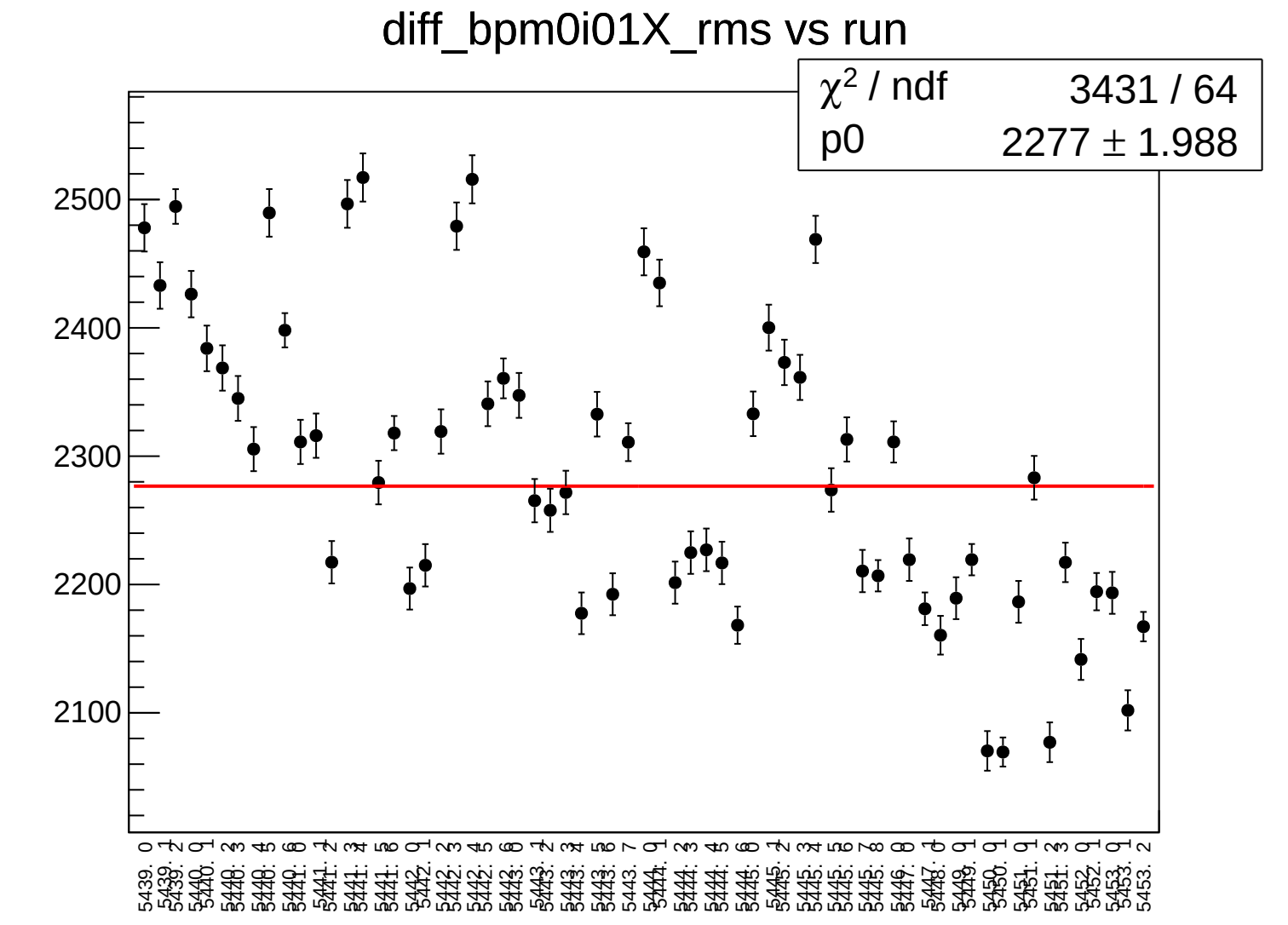

diff_cav4dY_mean vs run
χ² / ndf 64.61 / 64
p0 −0.04358 ± 0.1896
pull
Entries 65
Mean 75.03
Std Dev 0

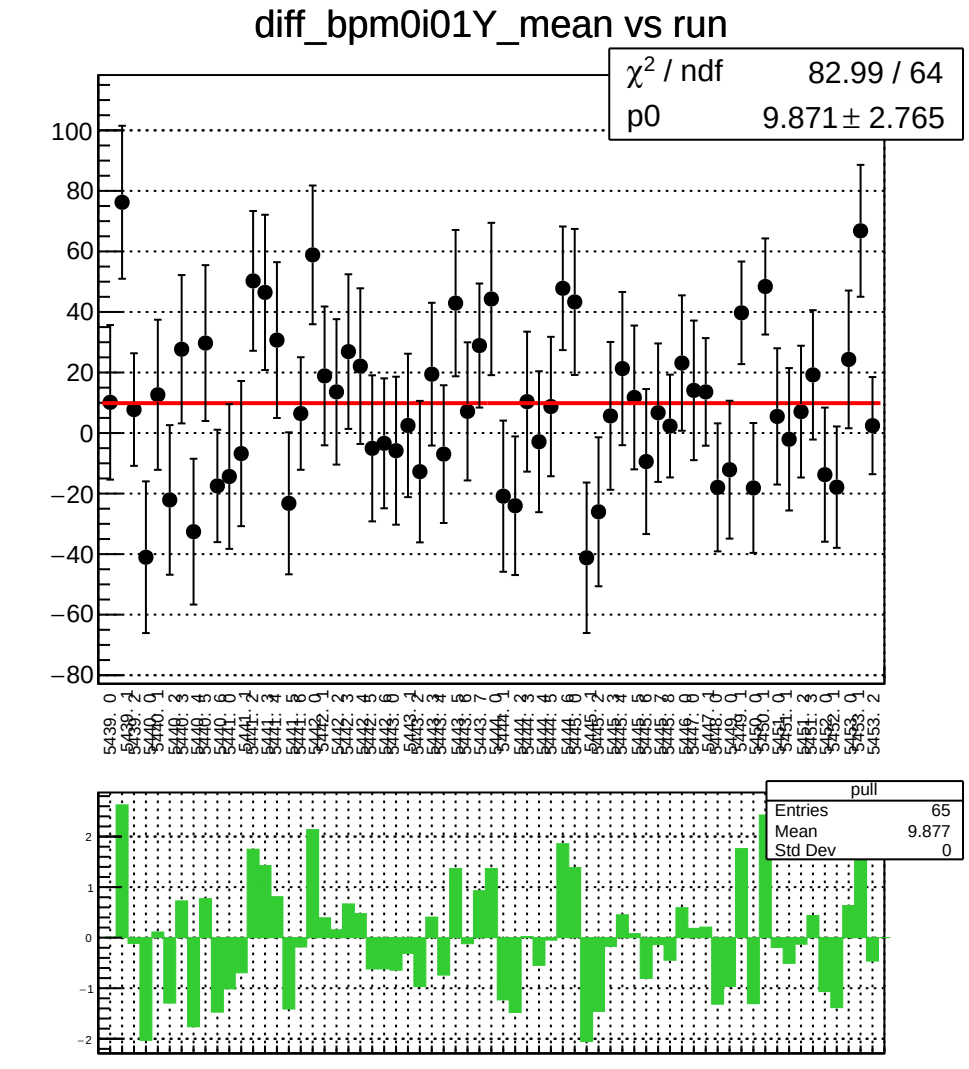

pull1D
Entries 65
Mean 0.01674
Std Dev 0.9968

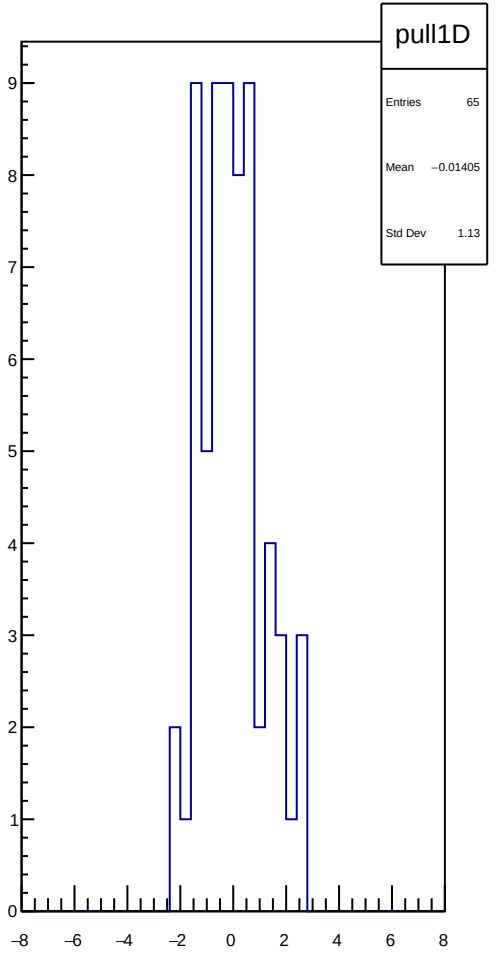

diff_cav4dY_rms vs run
χ² / ndf 1099 / 64
p0 153.7 ± 0.1341
162
160
158
156
154
152
150
148
146
144
142

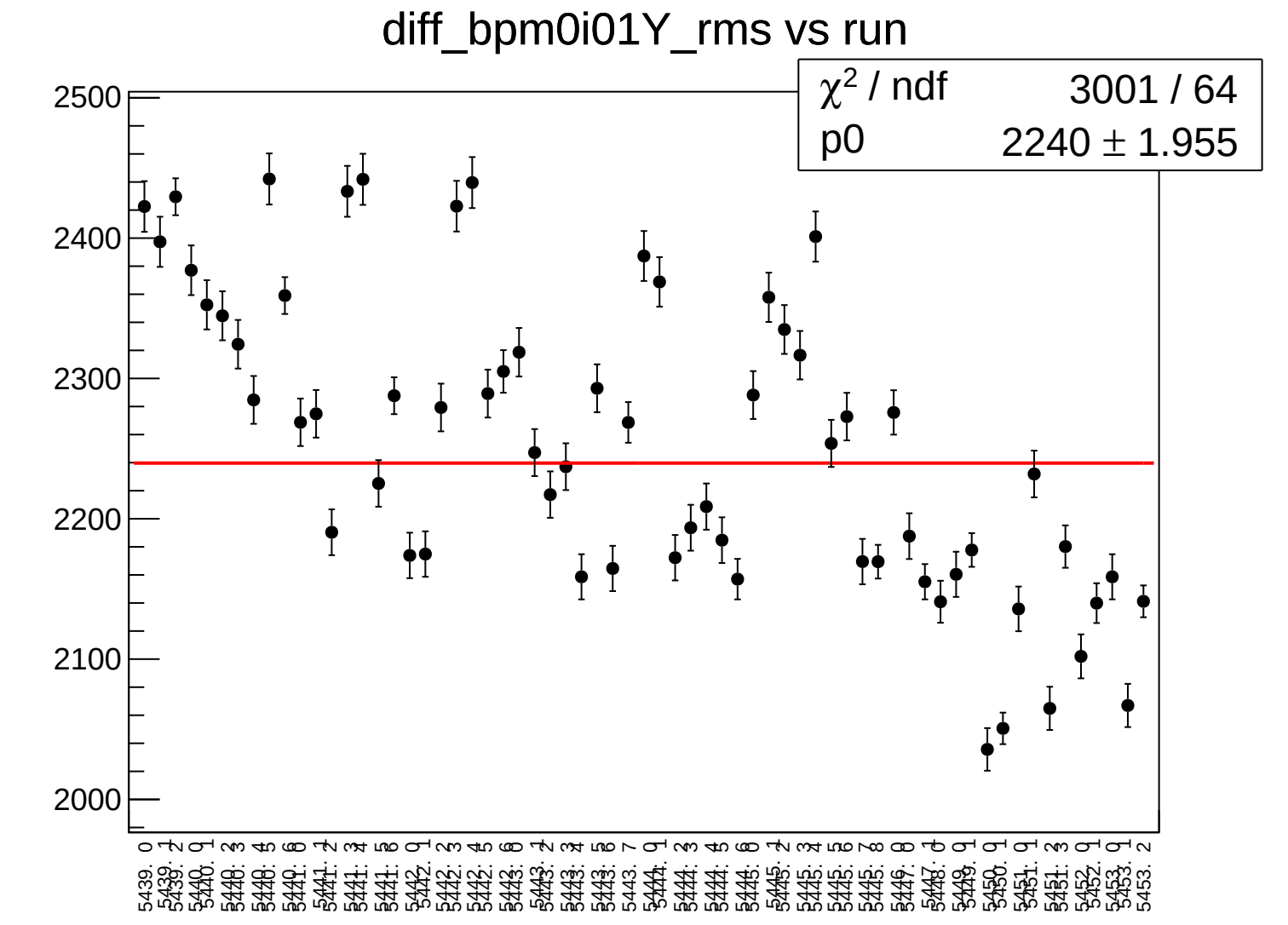

diff_bpm0i01X_mean vs run
χ^2 / ndf 83.79 / 64
p0 43.21 ± 2.811
pull
Entries 65
Mean 72.24
Std Dev 0

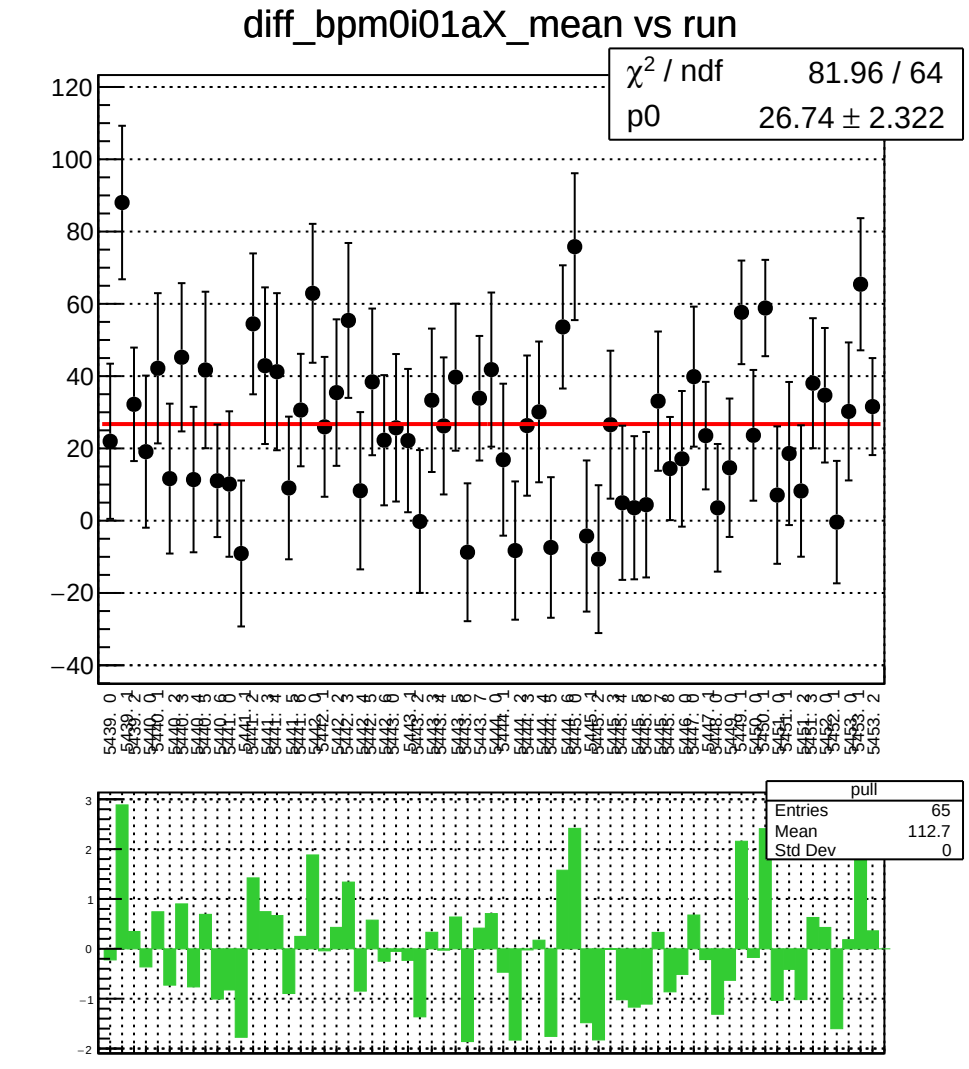

pull1D
Entries 65
Mean −0.01671
Std Dev 1.135

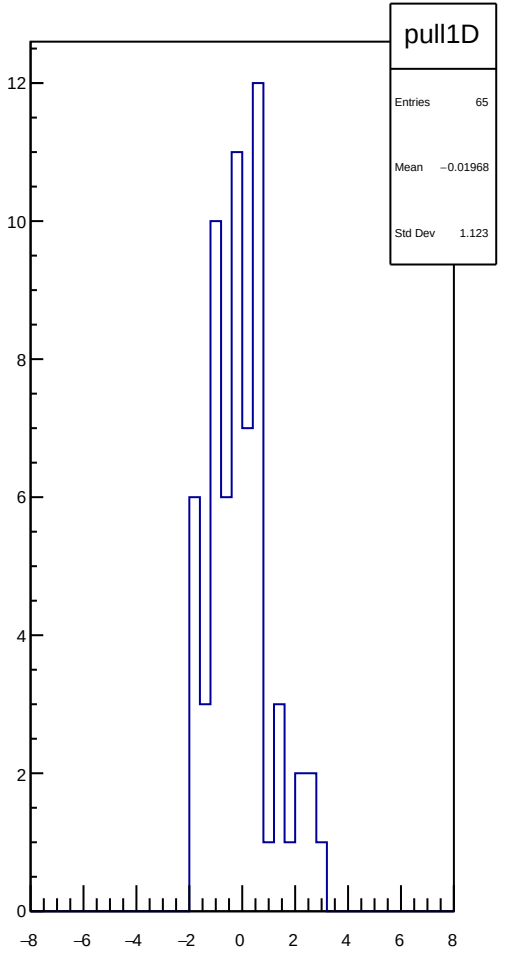

diff_bpm0i01X_rms vs run
χ² / ndf 3431 / 64
p0 2277 ± 1.988
2500
2400
2300
2200
2100

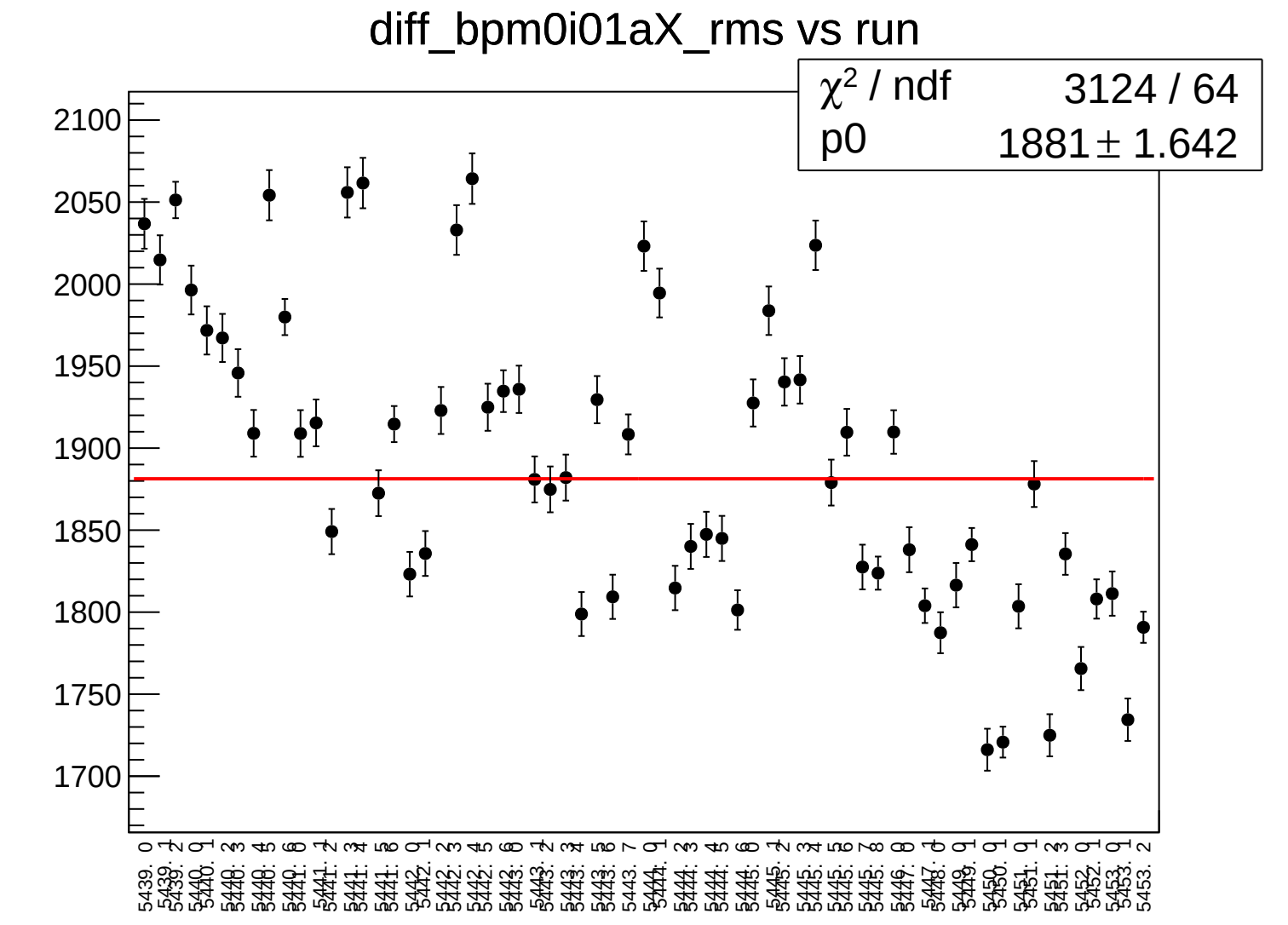

diff_bpm0i01Y_mean vs run
χ^2 / ndf 82.99 / 64
p0 9.871 ± 2.765
pull
Entries 65
Mean 9.877
Std Dev 0

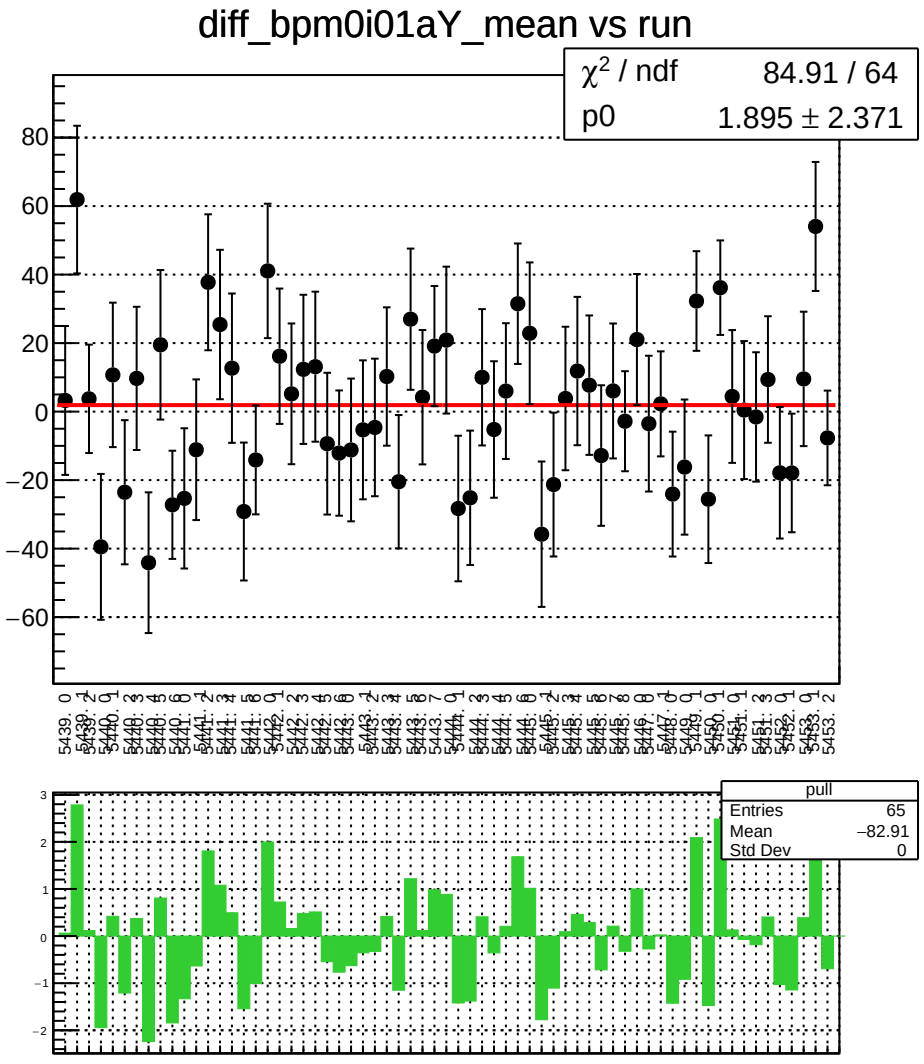

pull1D
Entries 65
Mean −0.01405
Std Dev 1.13

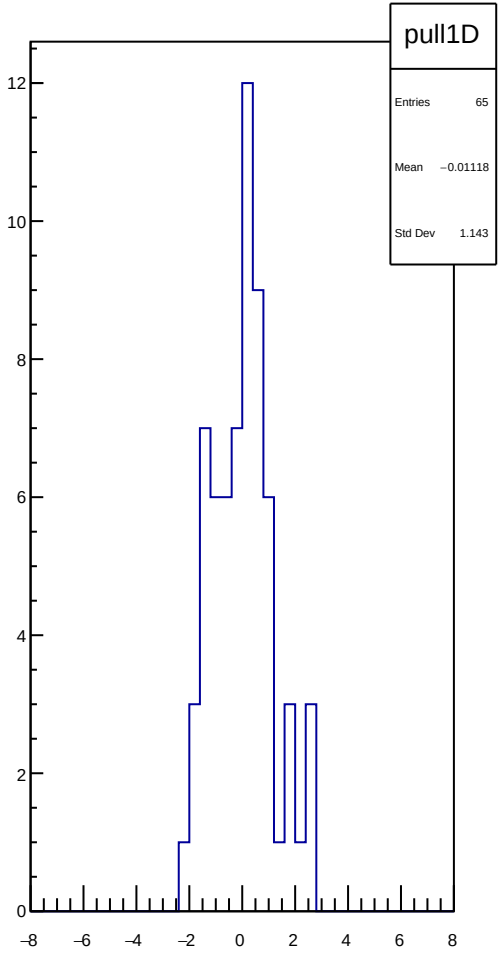

diff_bpm0i01Y_rms vs run
χ² / ndf 3001 / 64
p0 2240 ± 1.955
2500
2400
2300
2200
2100
2000

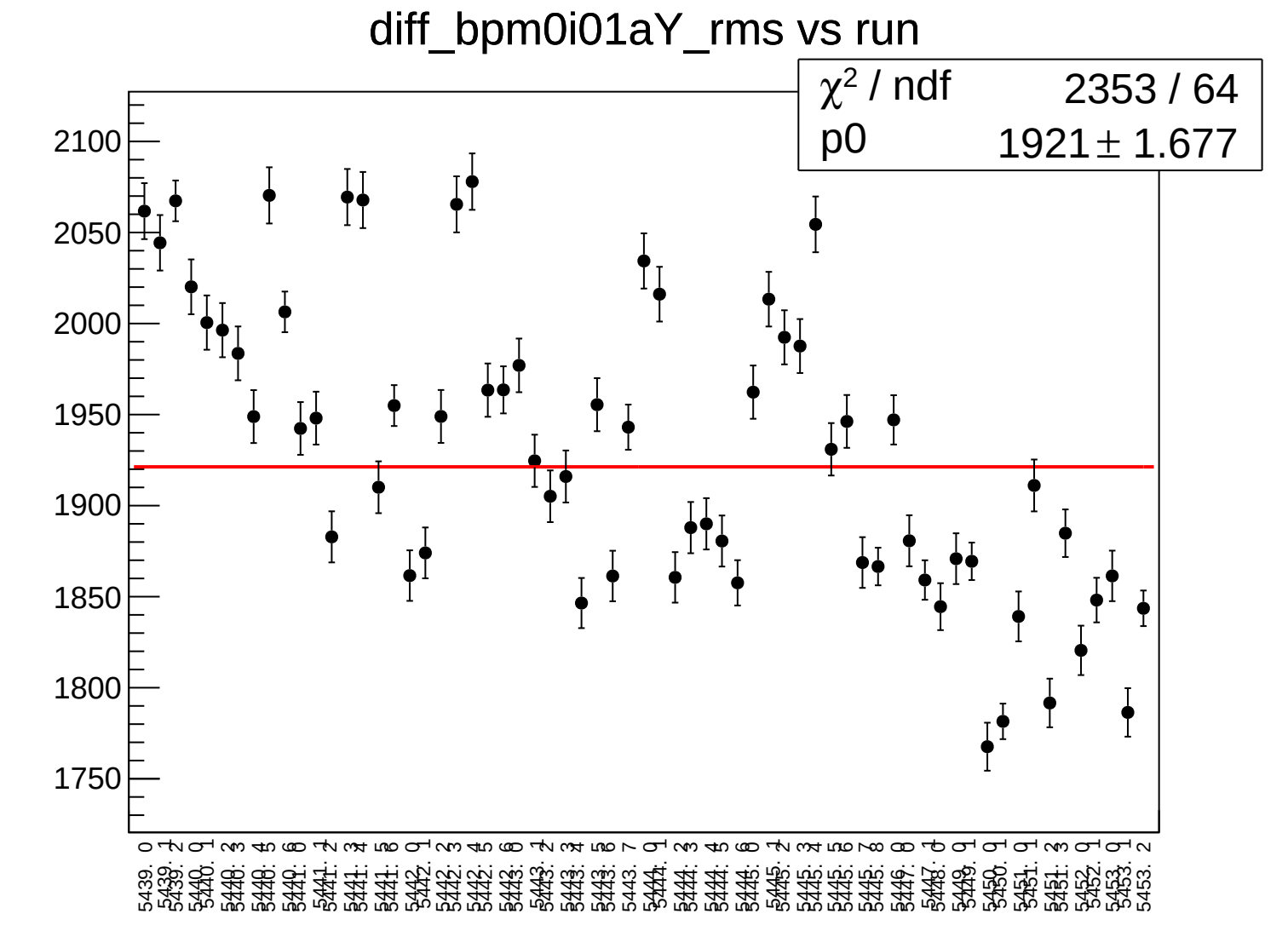

diff_bpm0i01aX_mean vs run
χ^2 / ndf 81.96 / 64
p0 26.74 ± 2.322
pull
Entries 65
Mean 112.7
Std Dev 0

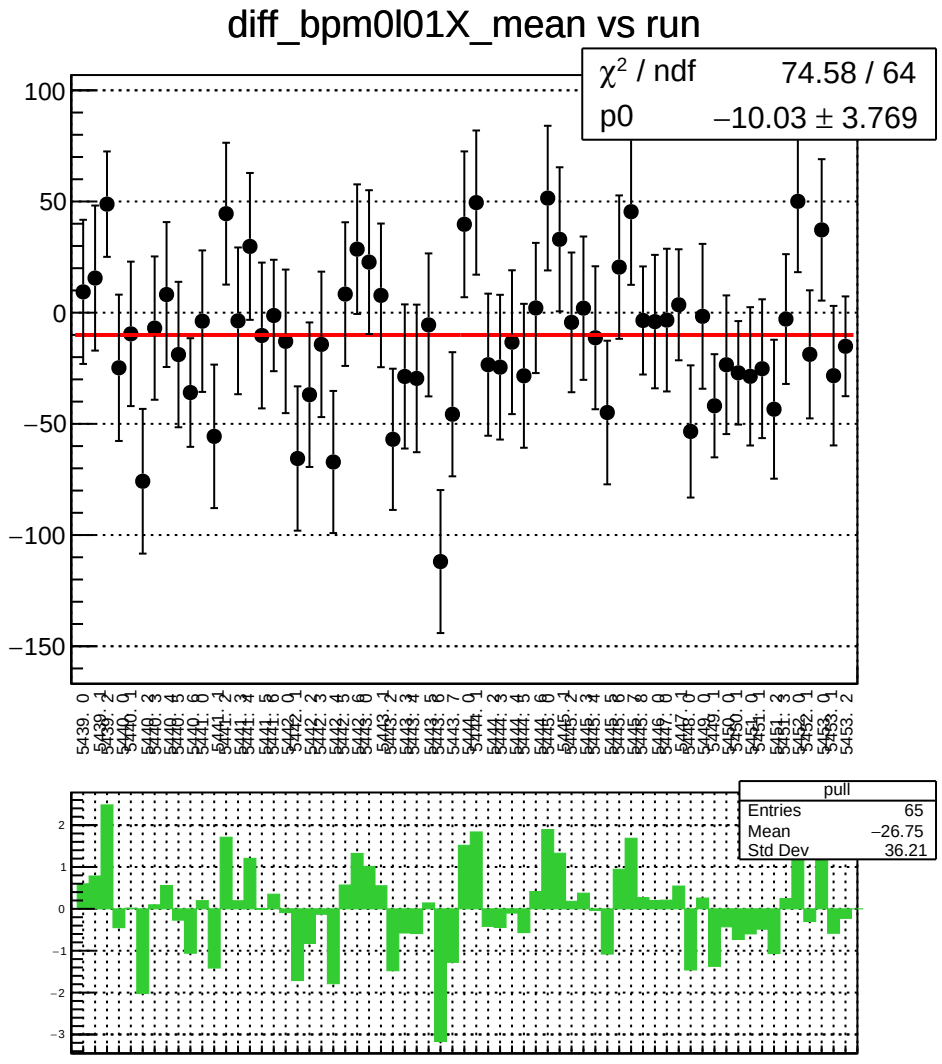

pull1D
Entries 65
Mean −0.01968
Std Dev 1.123

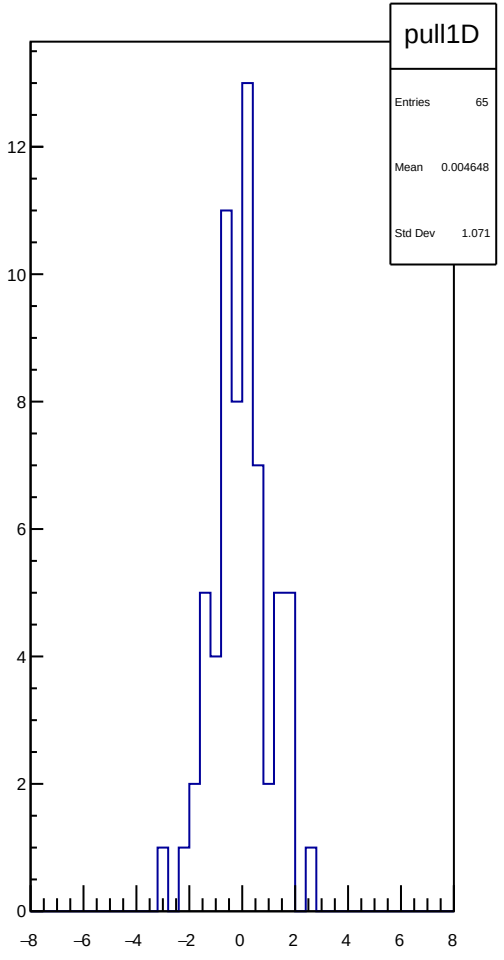

diff_bpm0i01aX_rms vs run
χ² / ndf 3124 / 64
p0 1881 ± 1.642
2100
2050
2000
1950
1900
1850
1800
1750
1700

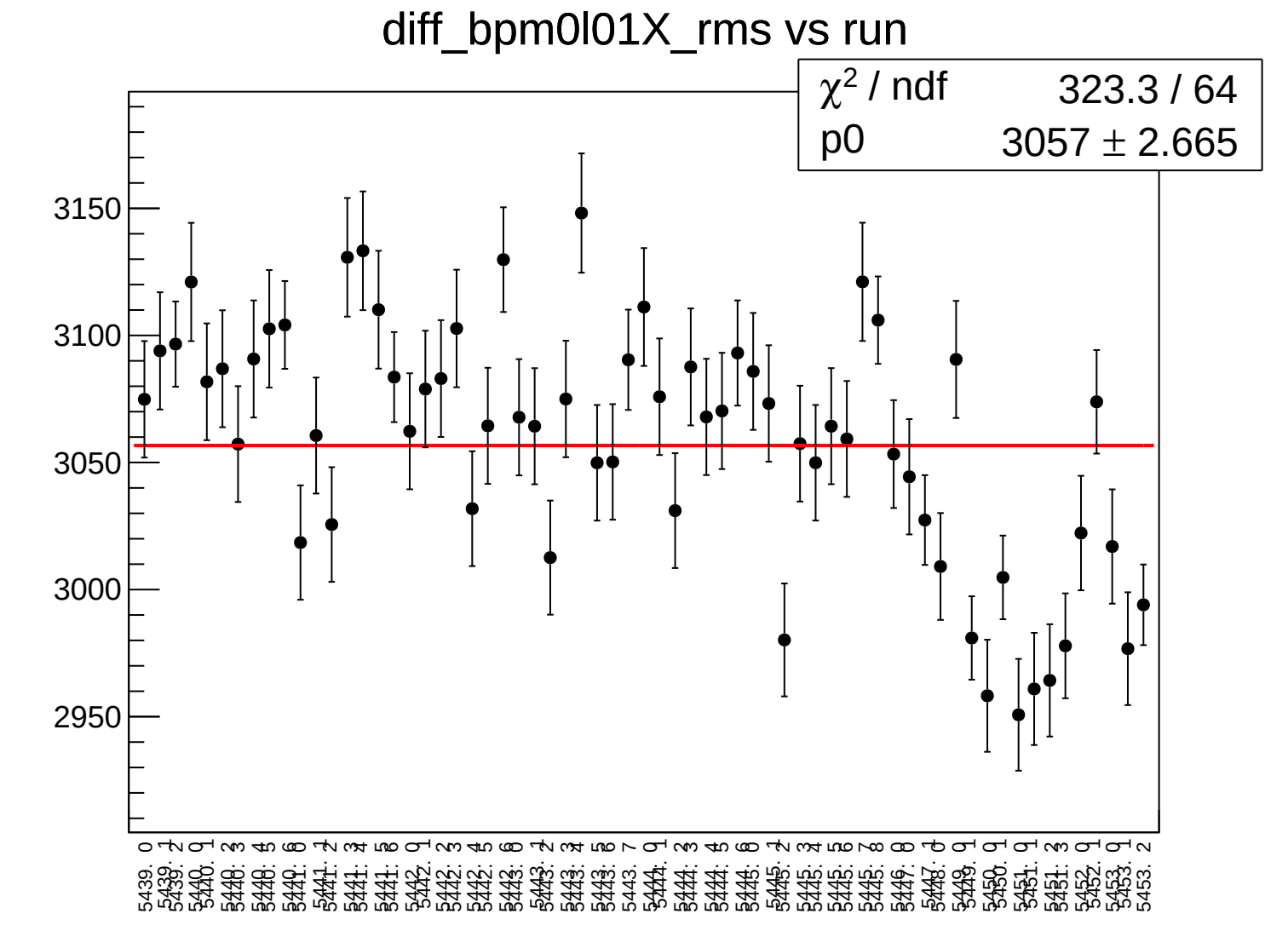

diff_bpm0i01aY_mean vs run
χ² / ndf 84.91 / 64
p0 1.895 ± 2.371
pull
Entries 65
Mean −82.91
Std Dev 0

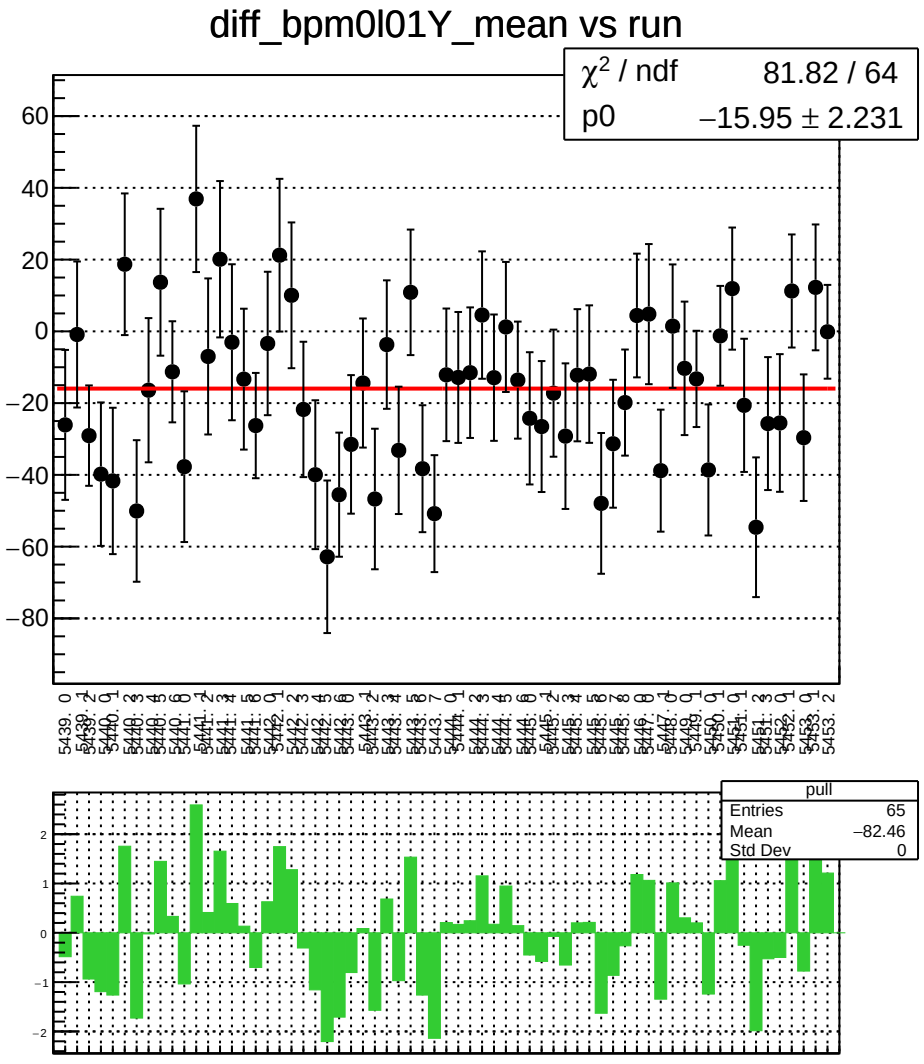

pull1D
Entries 65
Mean −0.01118
Std Dev 1.143

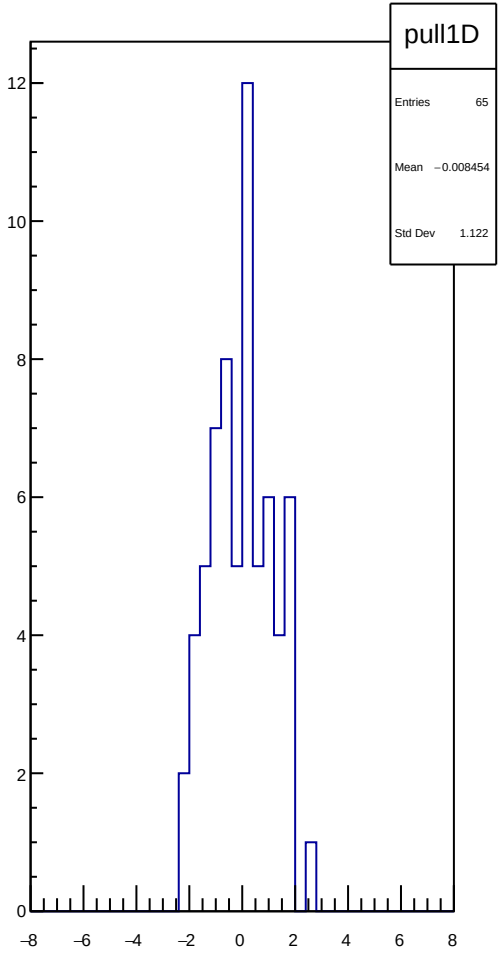

diff_bpm0i01aY_rms vs run
χ² / ndf 2353 / 64
p0 1921 ± 1.677
2100
2050
2000
1950
1900
1850
1800
1750

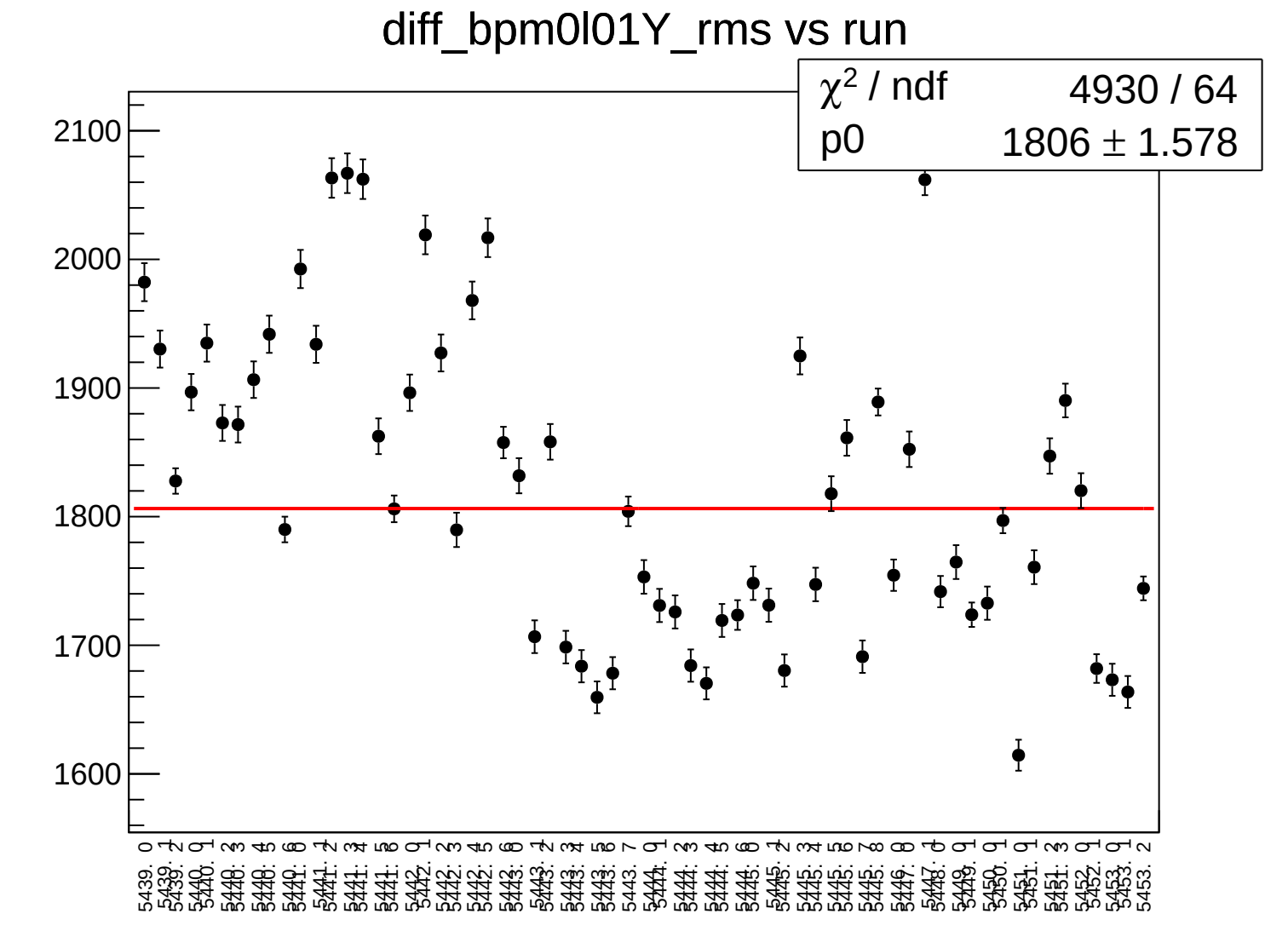

diff_bpm0l01X_mean vs run
χ² / ndf 74.58 / 64
p0 −10.03 ± 3.769
100
50
0
−50
−100
−150
pull
Entries 65
Mean −26.75
Std Dev 36.21
2
1
0
−1
−2
−3

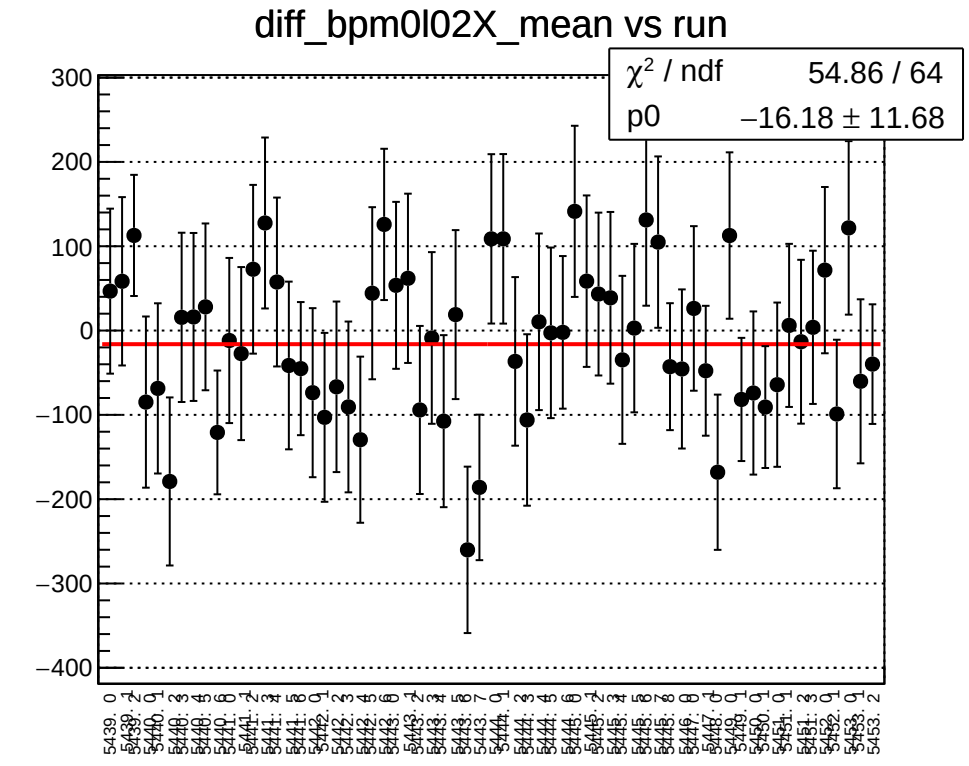

pull1D
Entries 65
Mean 0.004648
Std Dev 1.071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

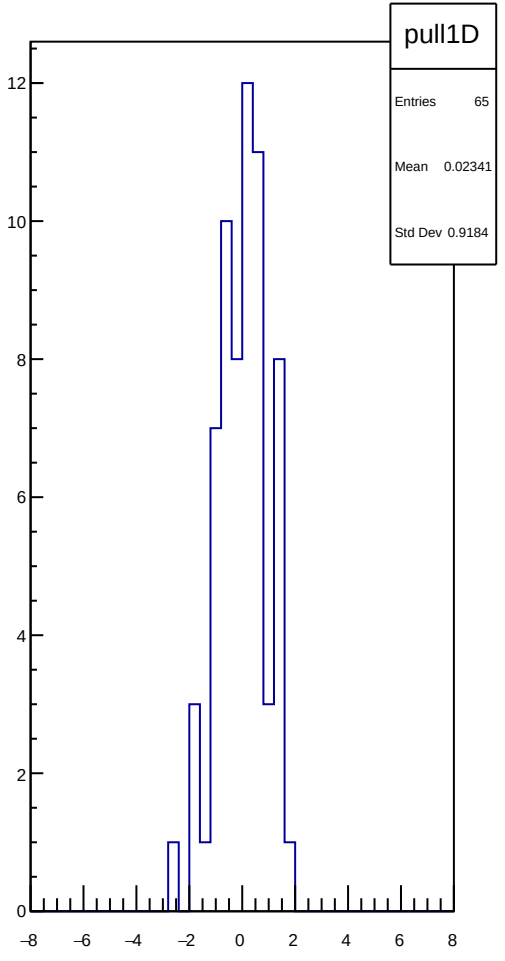

diff_bpm0l01X_rms vs run
χ² / ndf 323.3 / 64
p0 3057 ± 2.665
3150
3100
3050
3000
2950
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

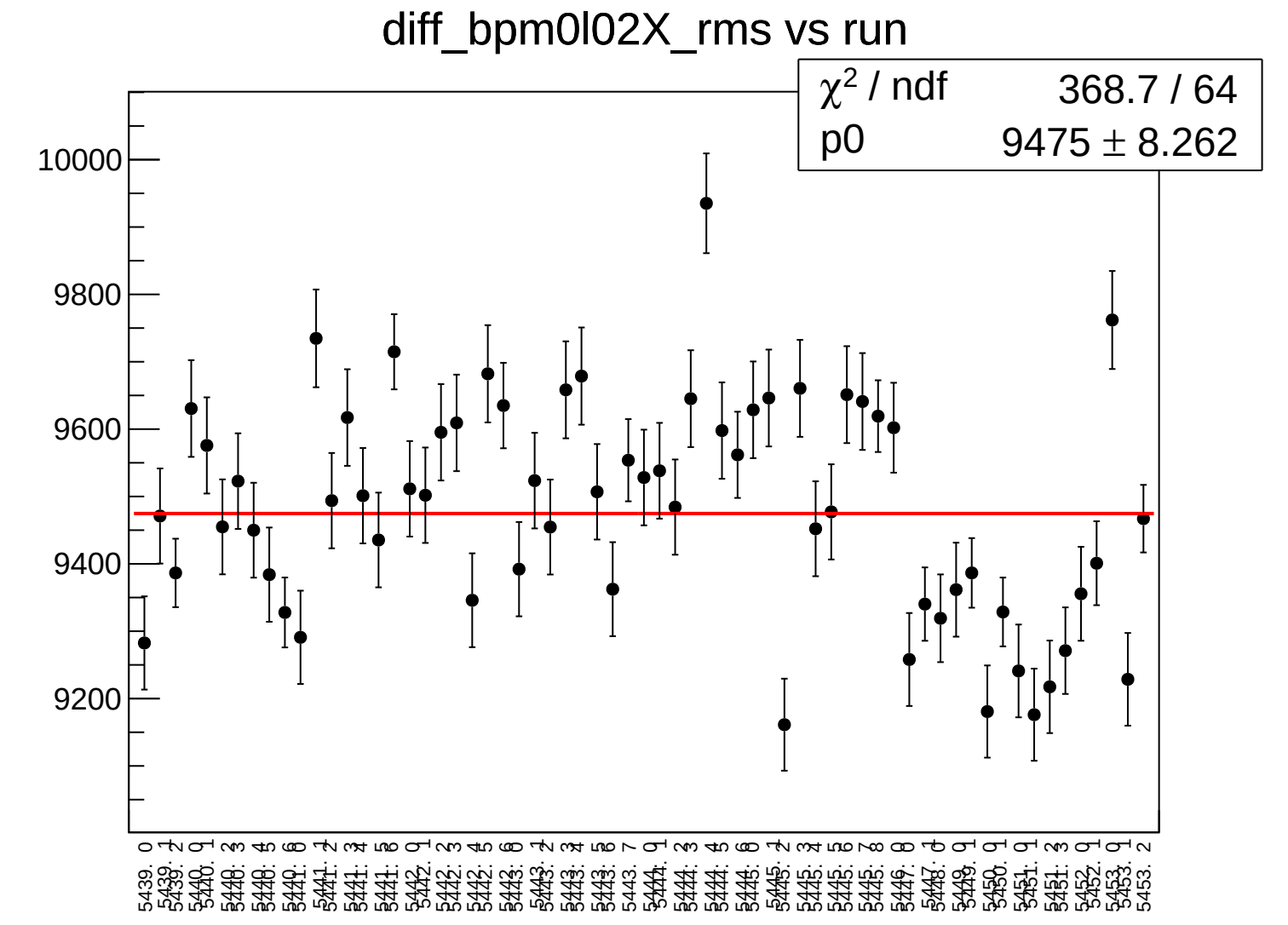

diff_bpm0l01Y_mean vs run
χ² / ndf 81.82 / 64
p0 −15.95 ± 2.231
pull
Entries 65
Mean −82.46
Std Dev 0

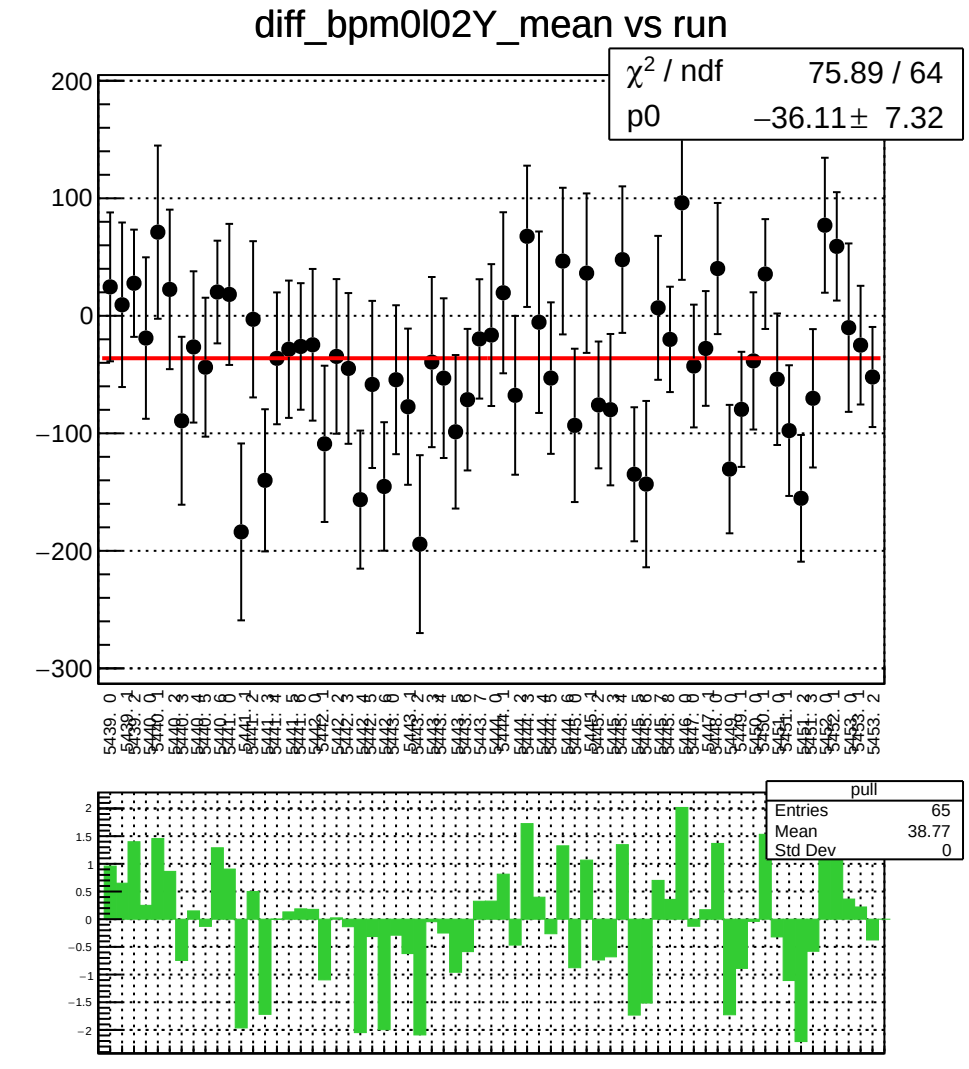

pull1D
Entries 65
Mean −0.008454
Std Dev 1.122

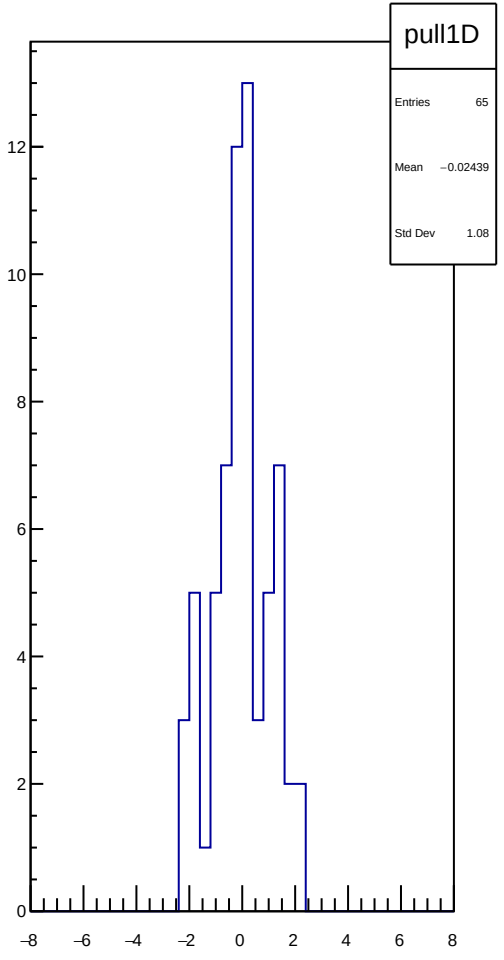

diff_bpm0l01Y_rms vs run
χ² / ndf 4930 / 64
p0 1806 ± 1.578
2100
2000
1900
1800
1700
1600
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

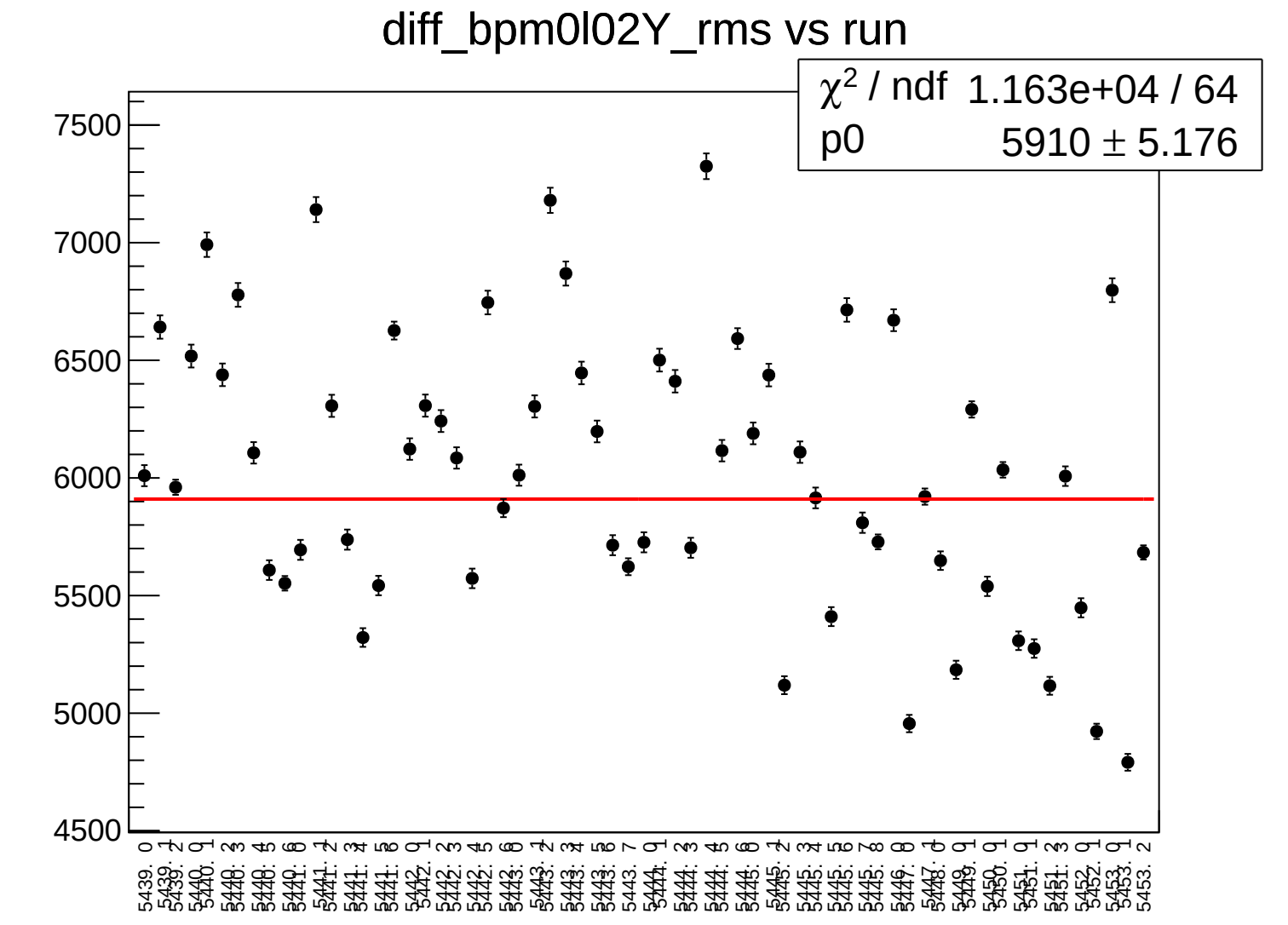

diff_bpm0l02X_mean vs run
χ² / ndf 54.86 / 64
p0 −16.18 ± 11.68
pull
Entries 65
Mean 18.01
Std Dev 19.07

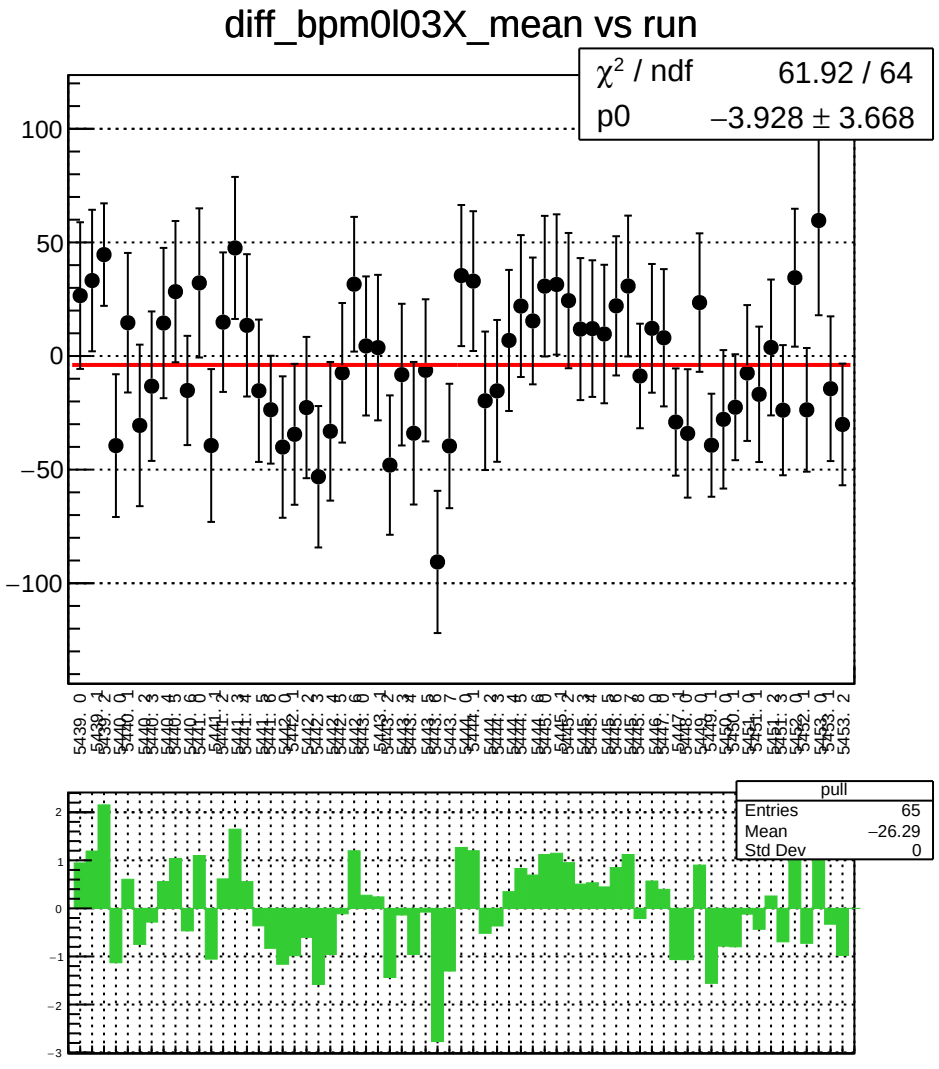

pull1D
Entries 65
Mean 0.02341
Std Dev 0.9184

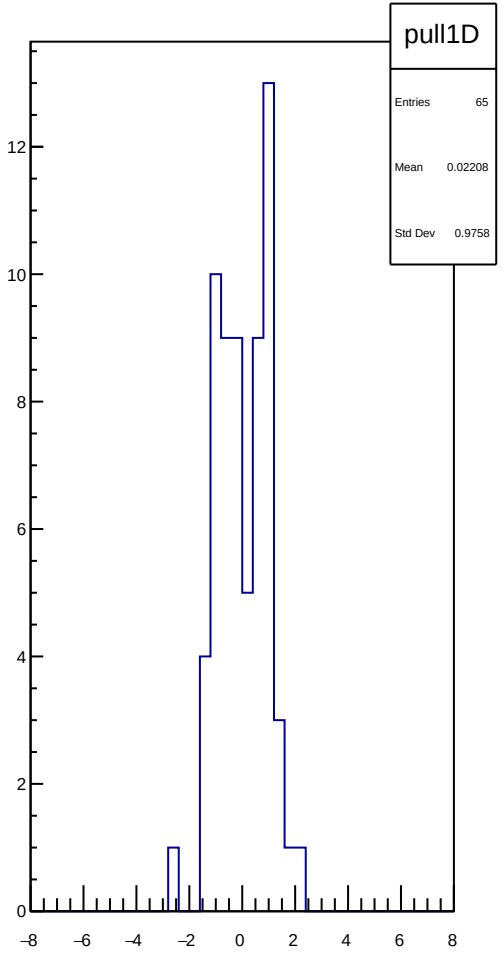

diff_bpm0l02X_rms vs run
χ² / ndf 368.7 / 64
p0 9475 ± 8.262
10000
9800
9600
9400
9200

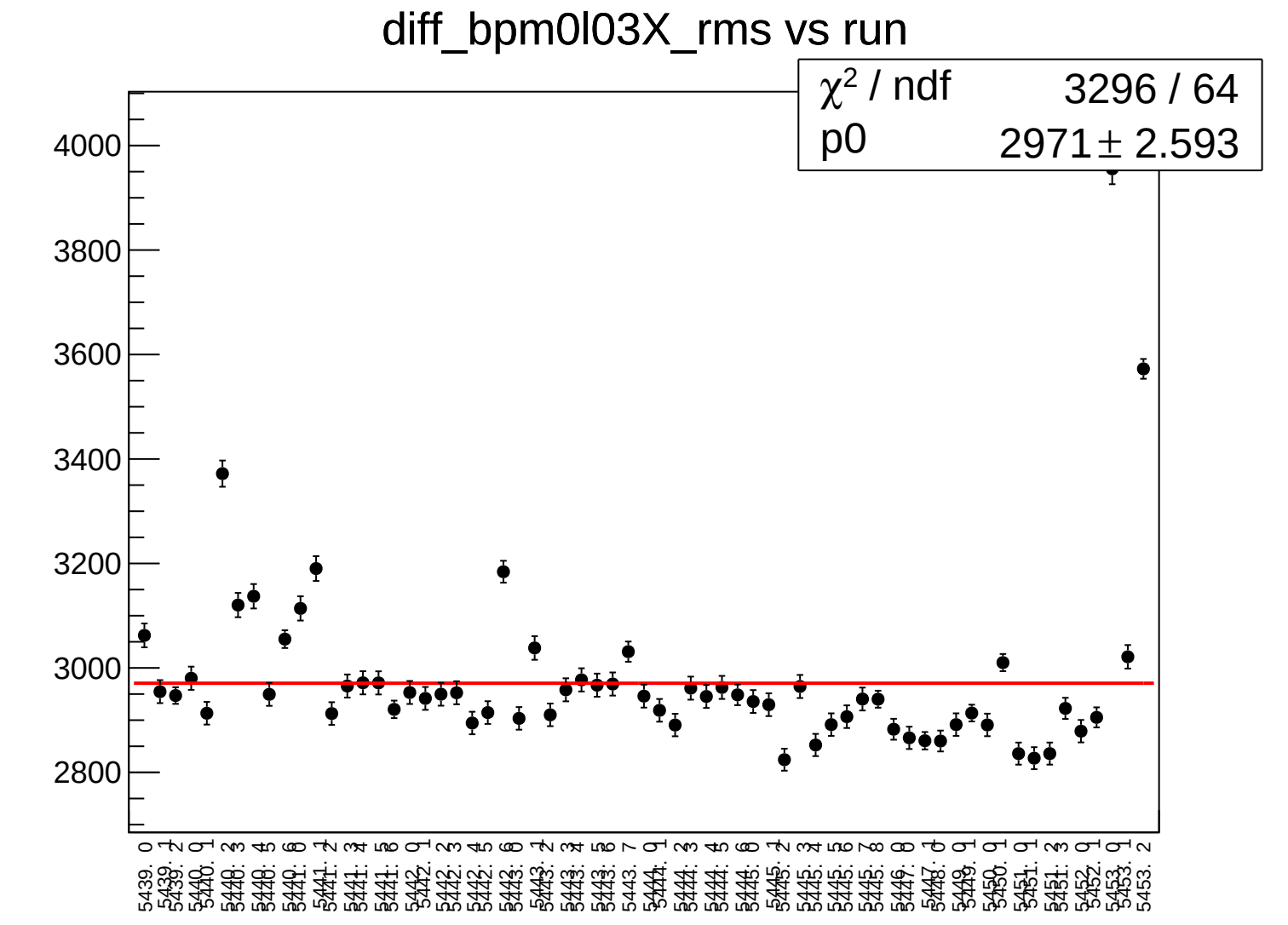

diff_bpm0l02Y_mean vs run
χ² / ndf 75.89 / 64
p0 −36.11 ± 7.32
pull
Entries 65
Mean 38.77
Std Dev 0

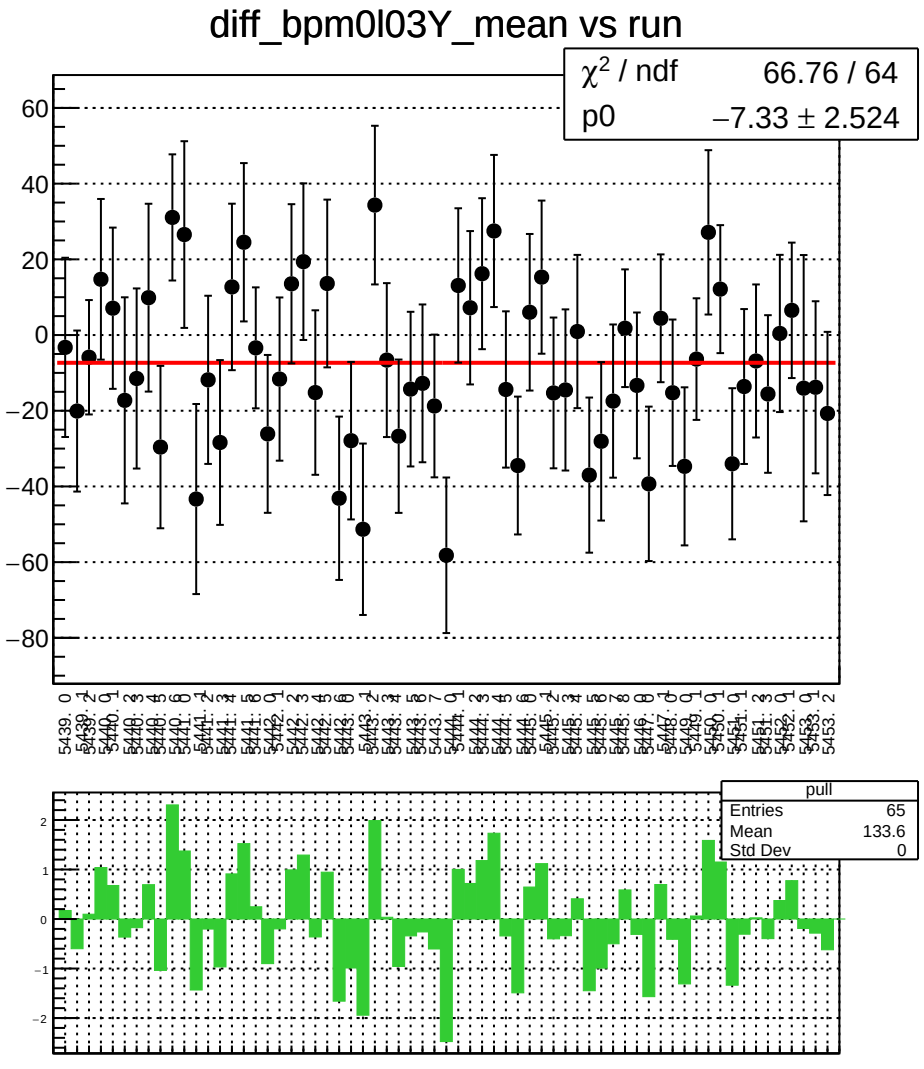

pull1D
Entries 65
Mean −0.02439
Std Dev 1.08

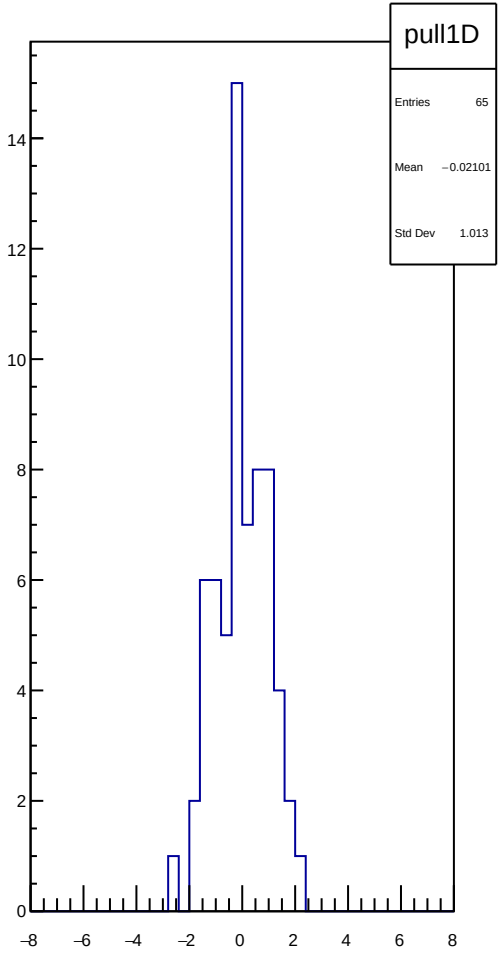

diff_bpm0l02Y_rms vs run
χ² / ndf 1.163e+04 / 64
p0 5910 ± 5.176
7500
7000
6500
6000
5500
5000
4500

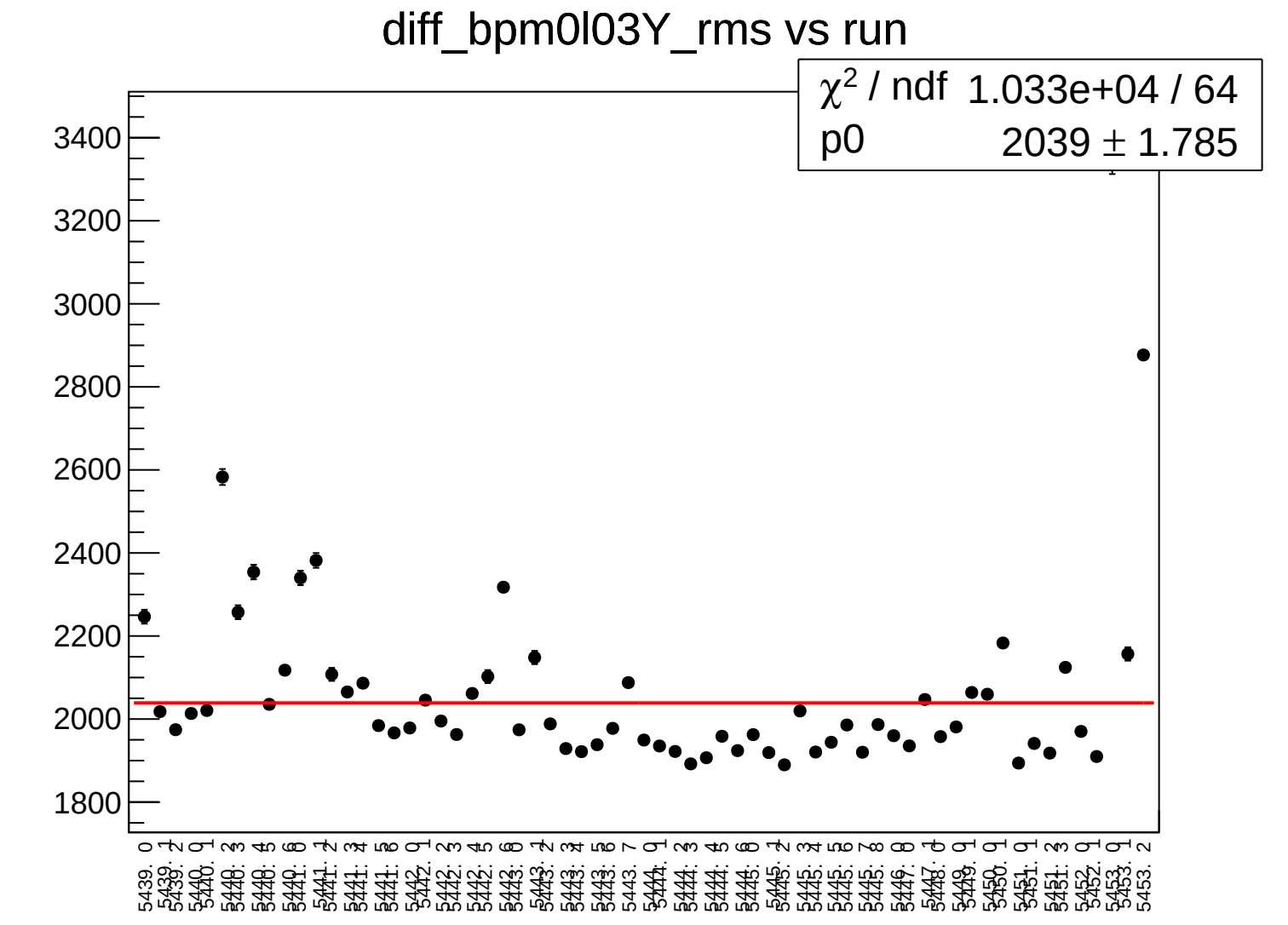

diff_bpm0l03X_mean vs run
χ² / ndf 61.92 / 64
p0 −3.928 ± 3.668
pull
Entries 65
Mean −26.29
Std Dev 0

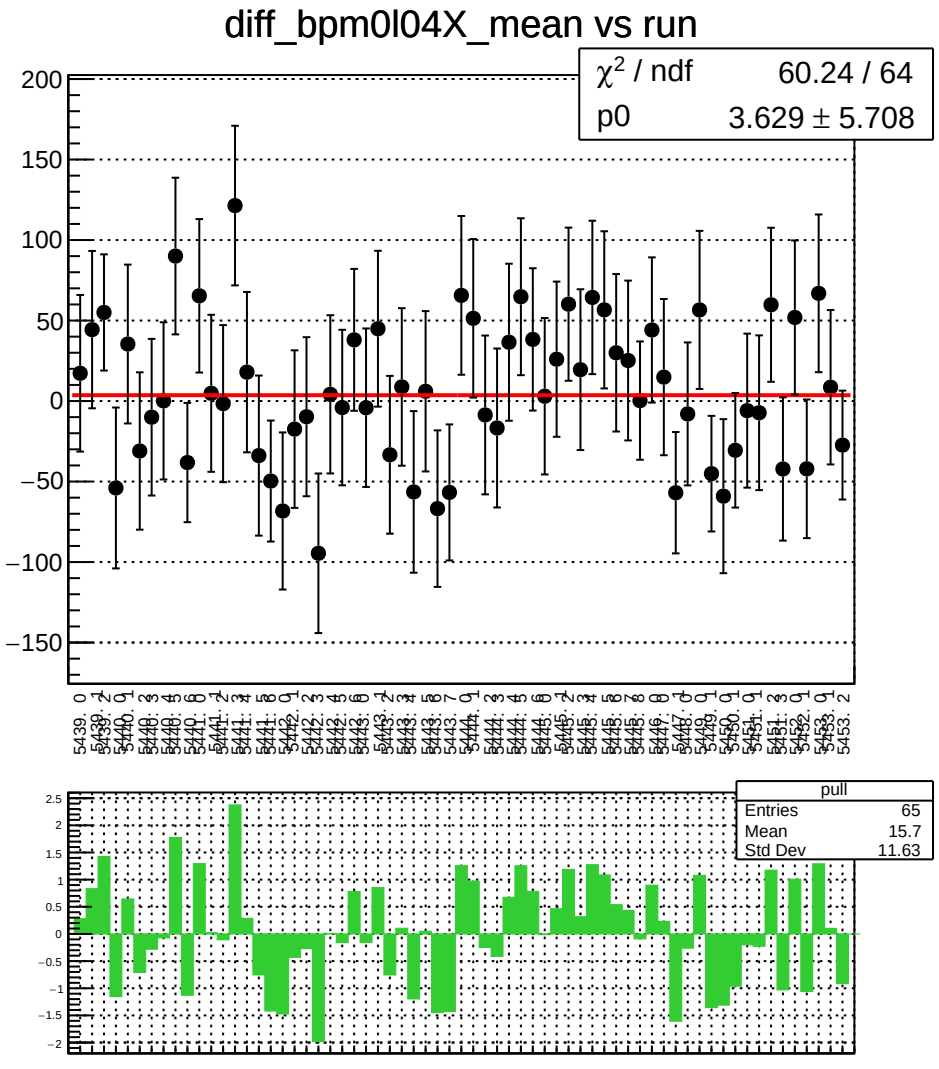

pull1D
Entries 65
Mean 0.02208
Std Dev 0.9758

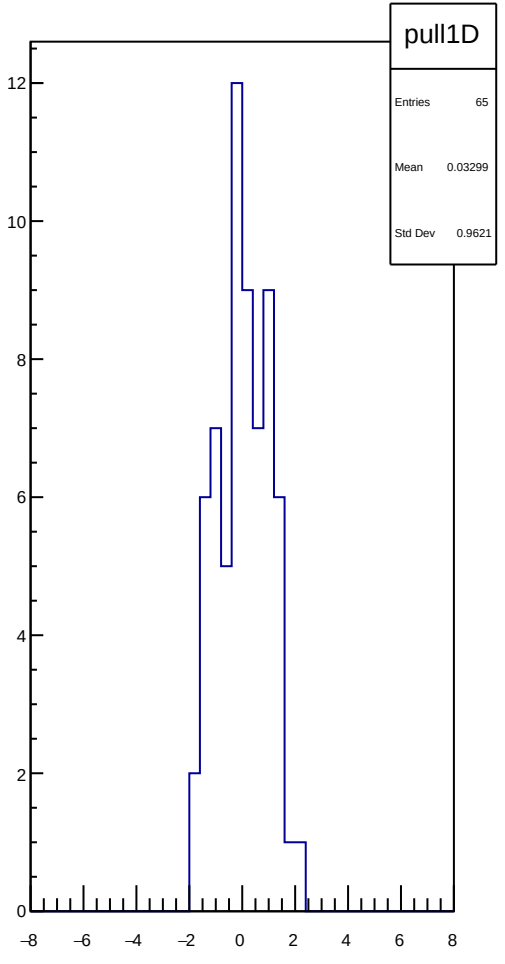

diff_bpm0l03X_rms vs run
χ² / ndf 3296 / 64
p0 2971 ± 2.593
4000
3800
3600
3400
3200
3000
2800

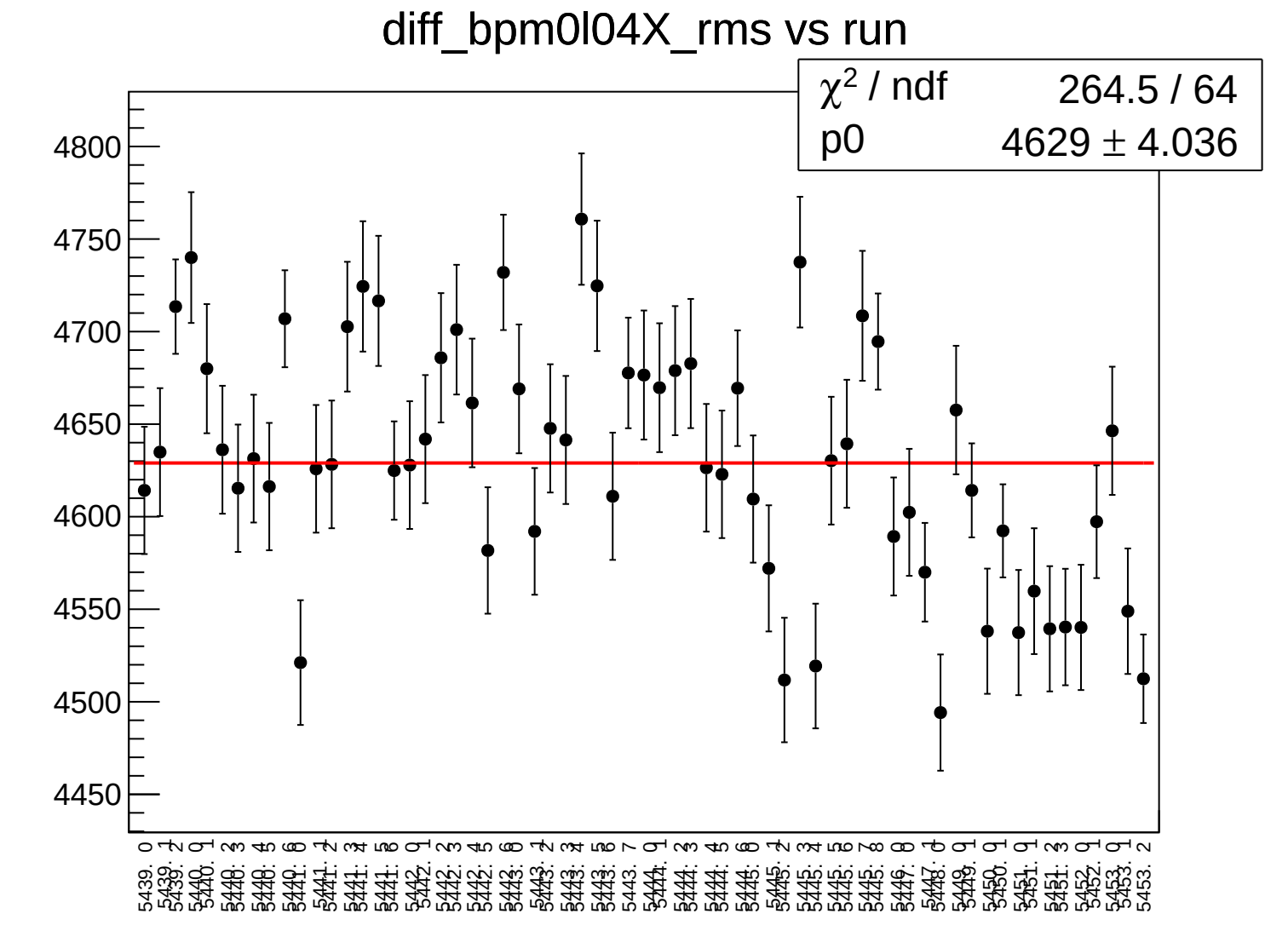

diff_bpm0l03Y_mean vs run
χ² / ndf 66.76 / 64
p0 −7.33 ± 2.524
pull
Entries 65
Mean 133.6
Std Dev 0

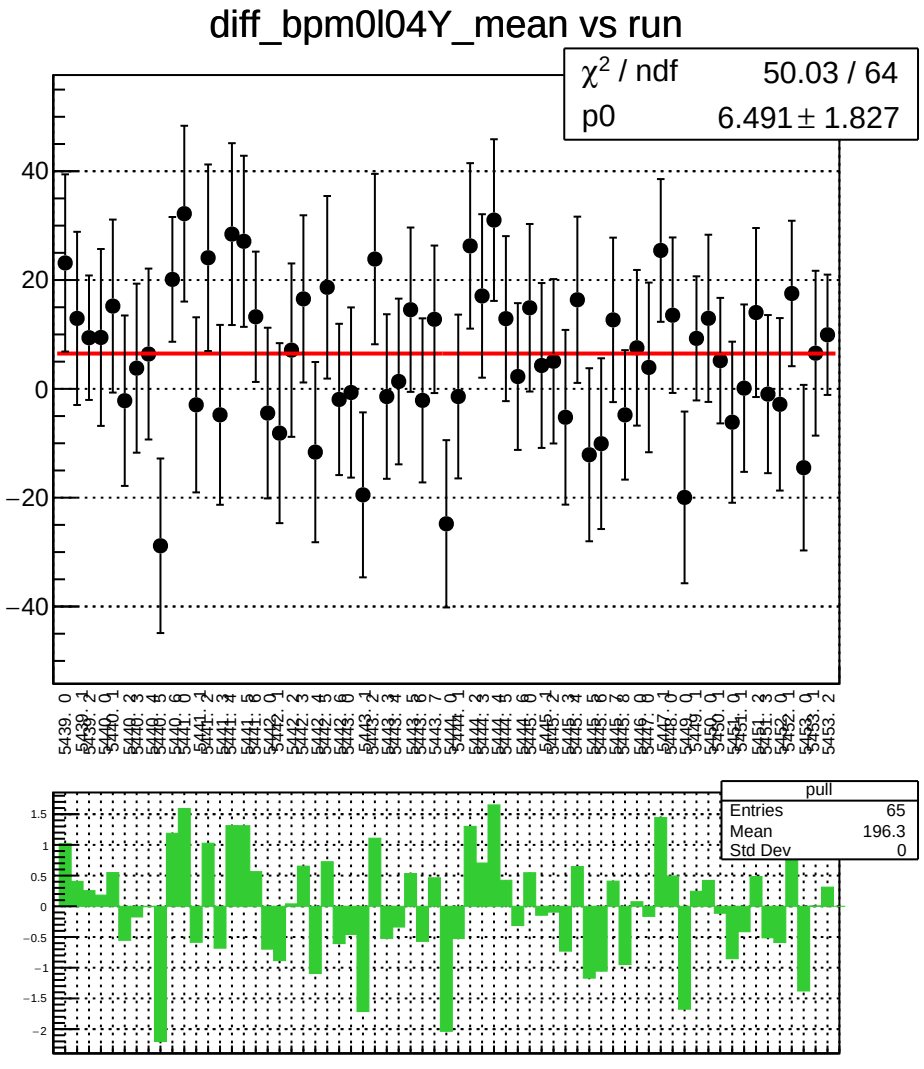

pull1D
Entries 65
Mean −0.02101
Std Dev 1.013

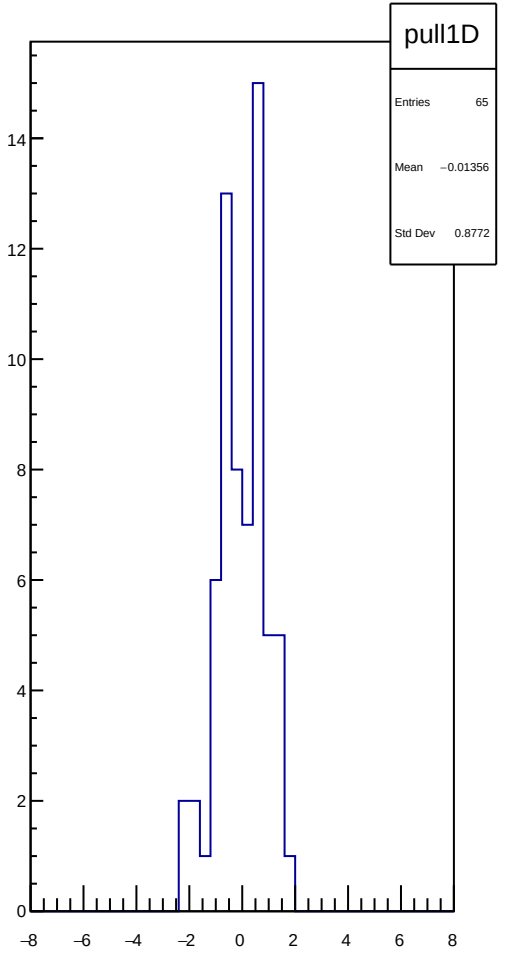

diff_bpm0l03Y_rms vs run
χ² / ndf 1.033e+04 / 64
p0 2039 ± 1.785
3400
3200
3000
2800
2600
2400
2200
2000
1800

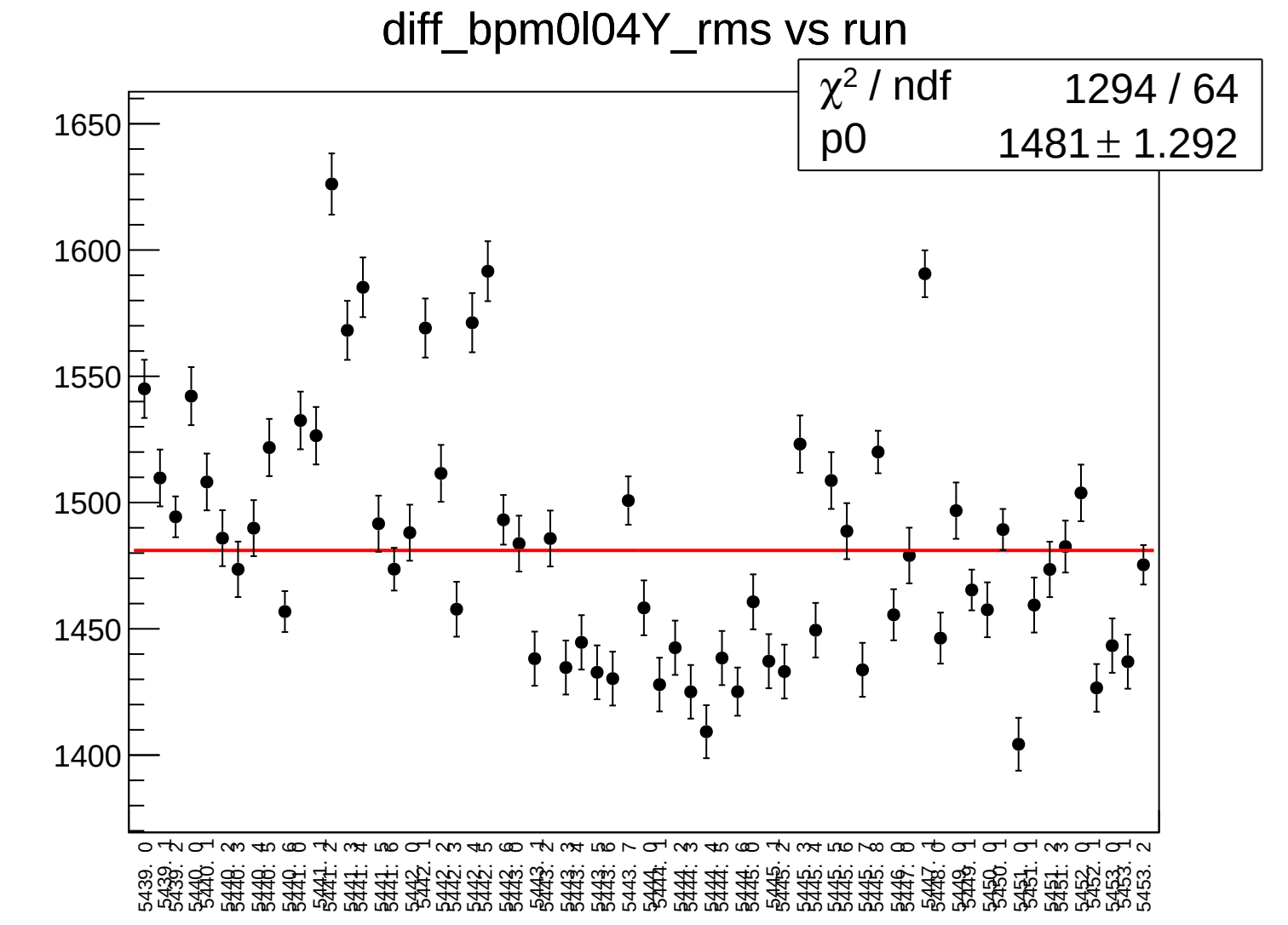

diff_bpm0l04X_mean vs run
χ^2 / ndf 60.24 / 64
p0 3.629 ± 5.708
pull
Entries 65
Mean 15.7
Std Dev 11.63

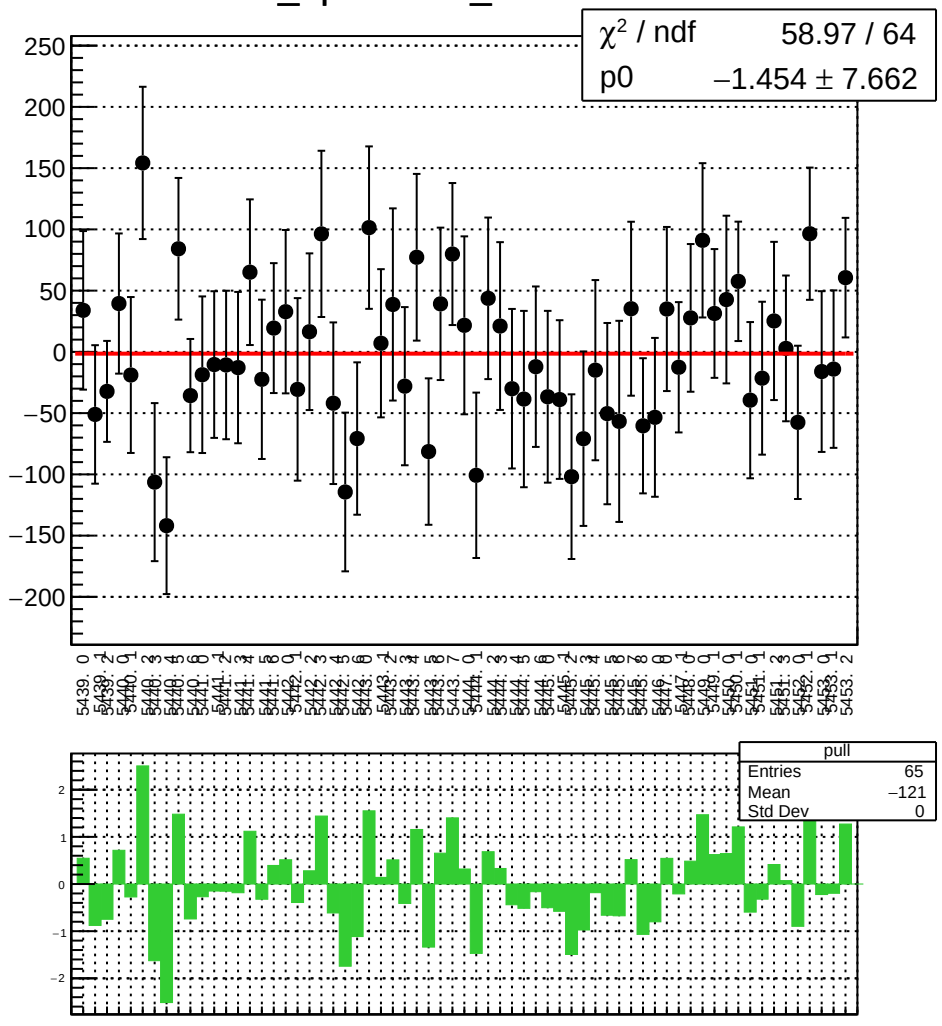

pull1D
Entries 65
Mean 0.03299
Std Dev 0.9621

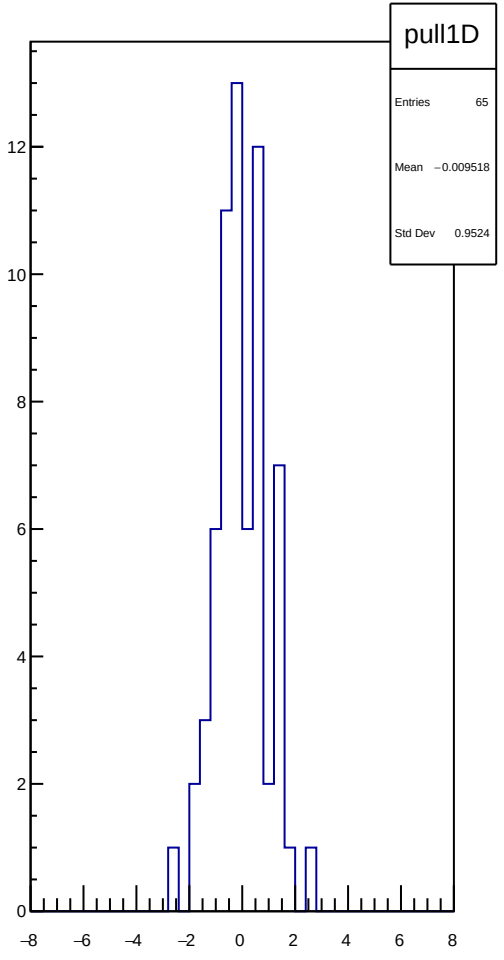

diff_bpm0l04X_rms vs run
χ² / ndf 264.5 / 64
p0 4629 ± 4.036
4800
4750
4700
4650
4600
4550
4500
4450

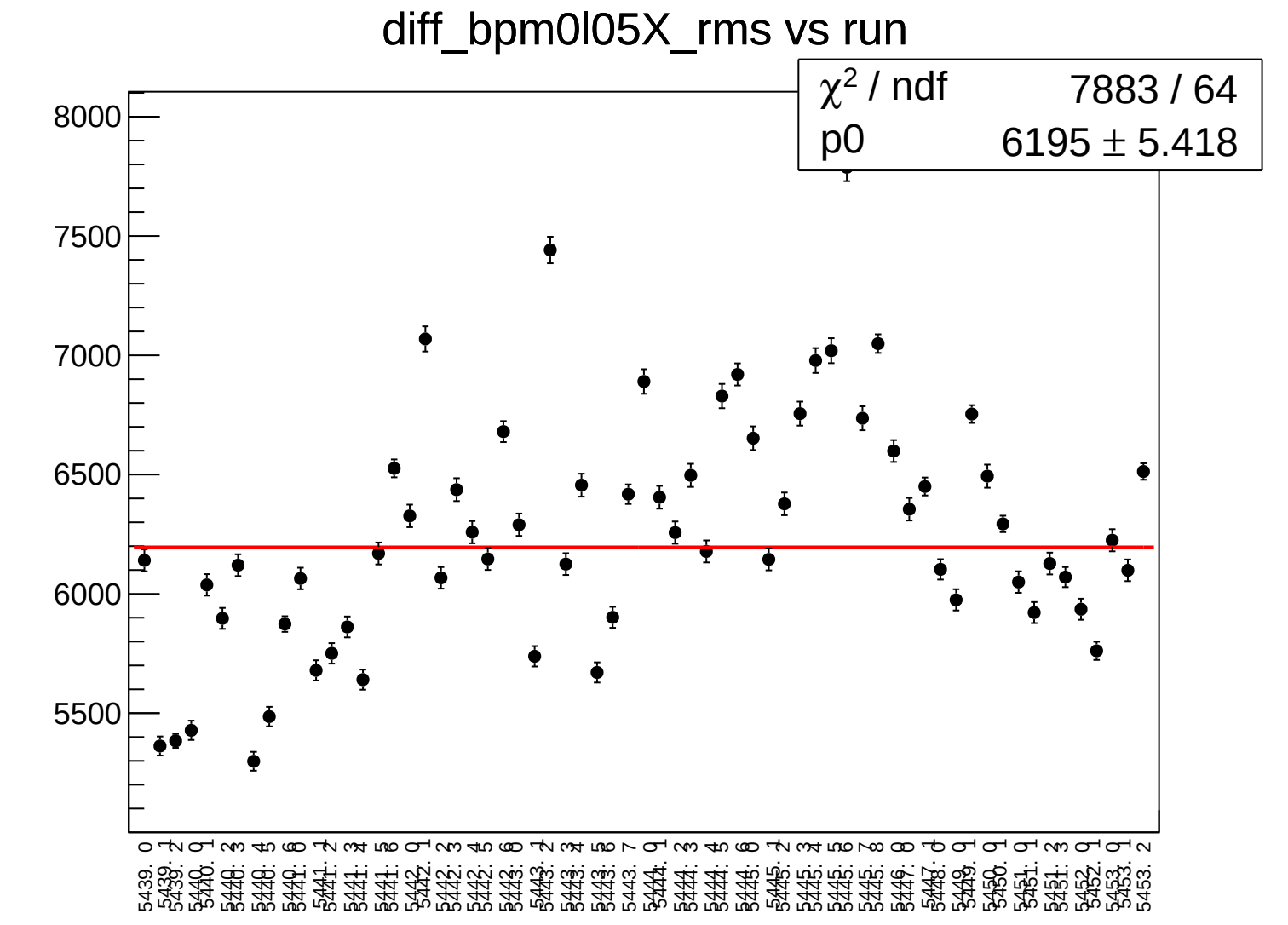

diff_bpm0l04Y_mean vs run
χ² / ndf 50.03 / 64
p0 6.491 ± 1.827
pull
Entries 65
Mean 196.3
Std Dev 0

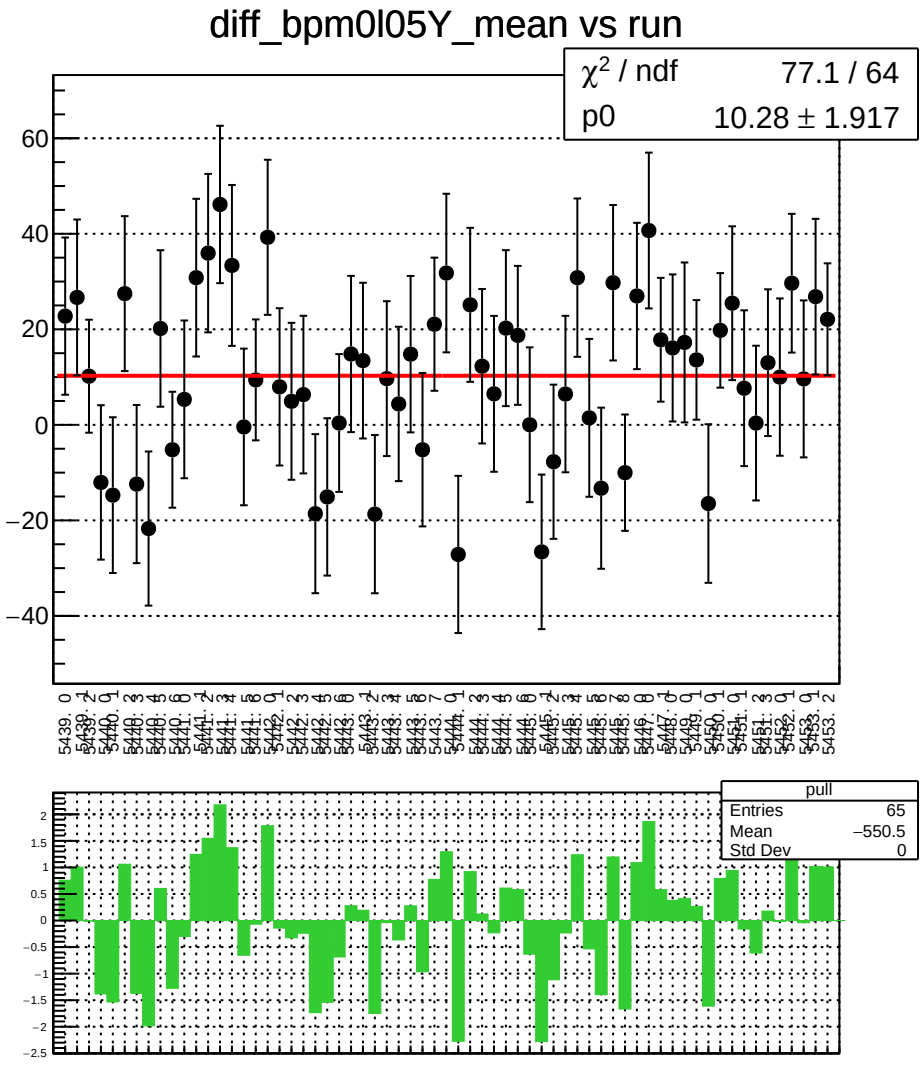

pull1D
Entries 65
Mean −0.01356
Std Dev 0.8772

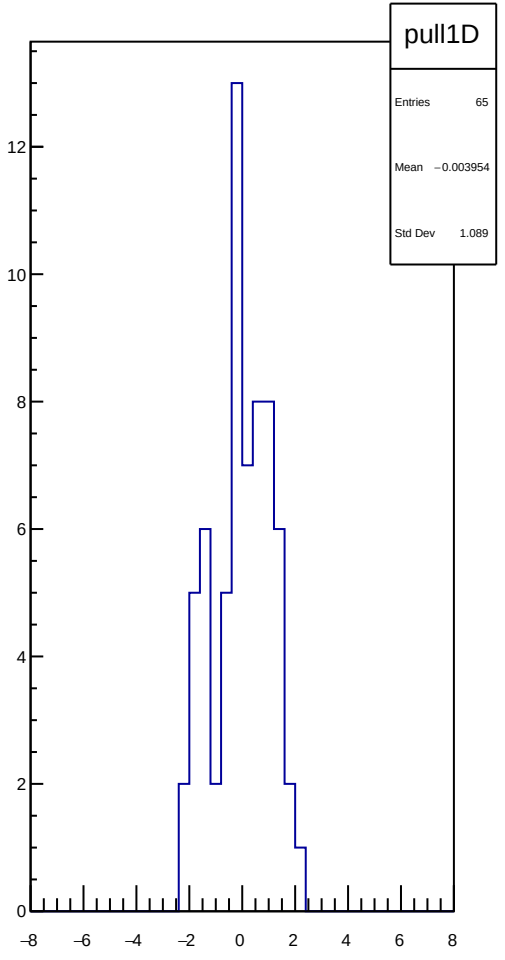

diff_bpm0l04Y_rms vs run
χ² / ndf 1294 / 64
p0 1481 ± 1.292
1650
1600
1550
1500
1450
1400

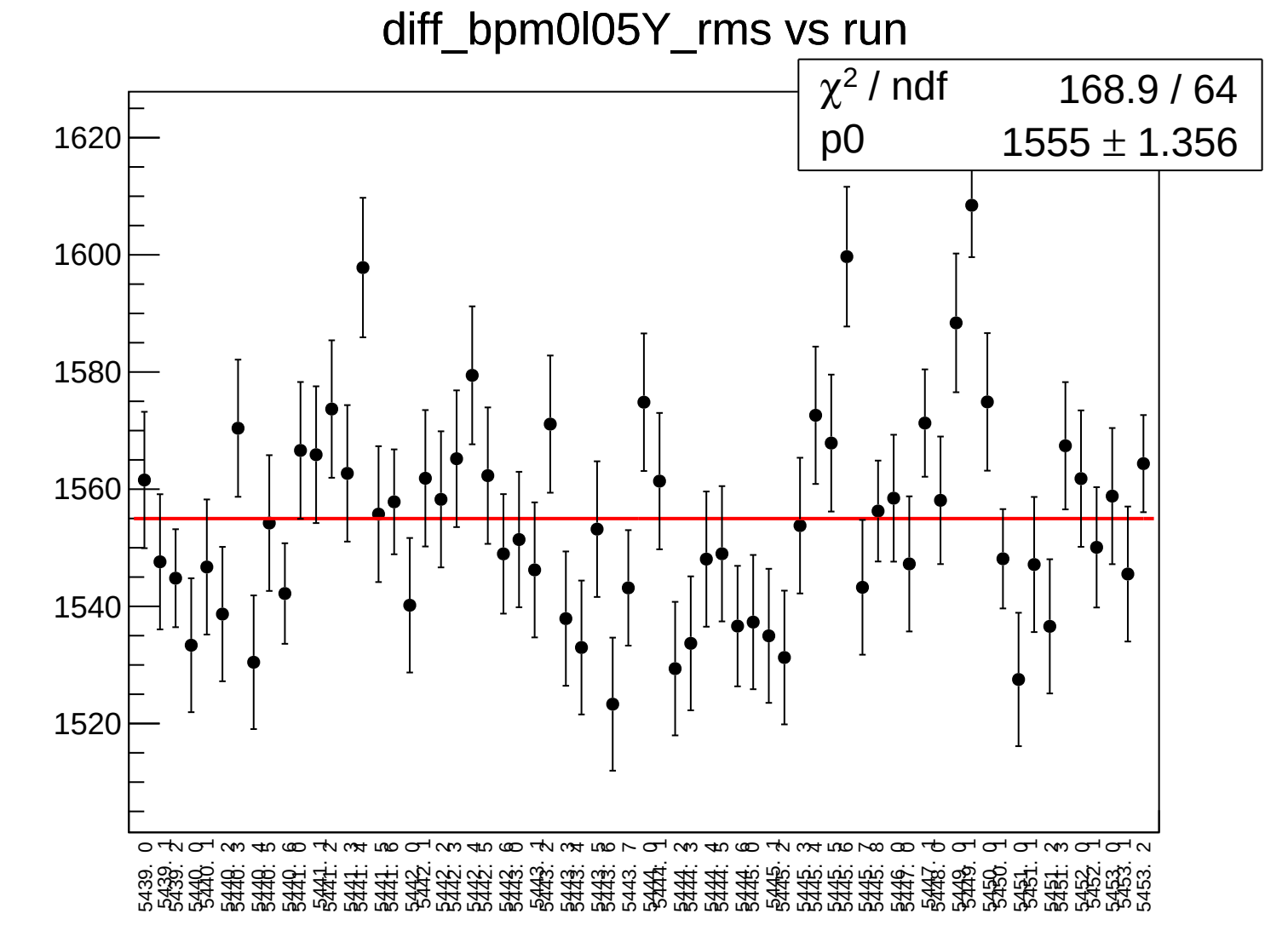

diff_bpm0l05X_mean vs run
χ² / ndf 58.97 / 64
p0 −1.454 ± 7.662
pull
Entries 65
Mean −121
Std Dev 0

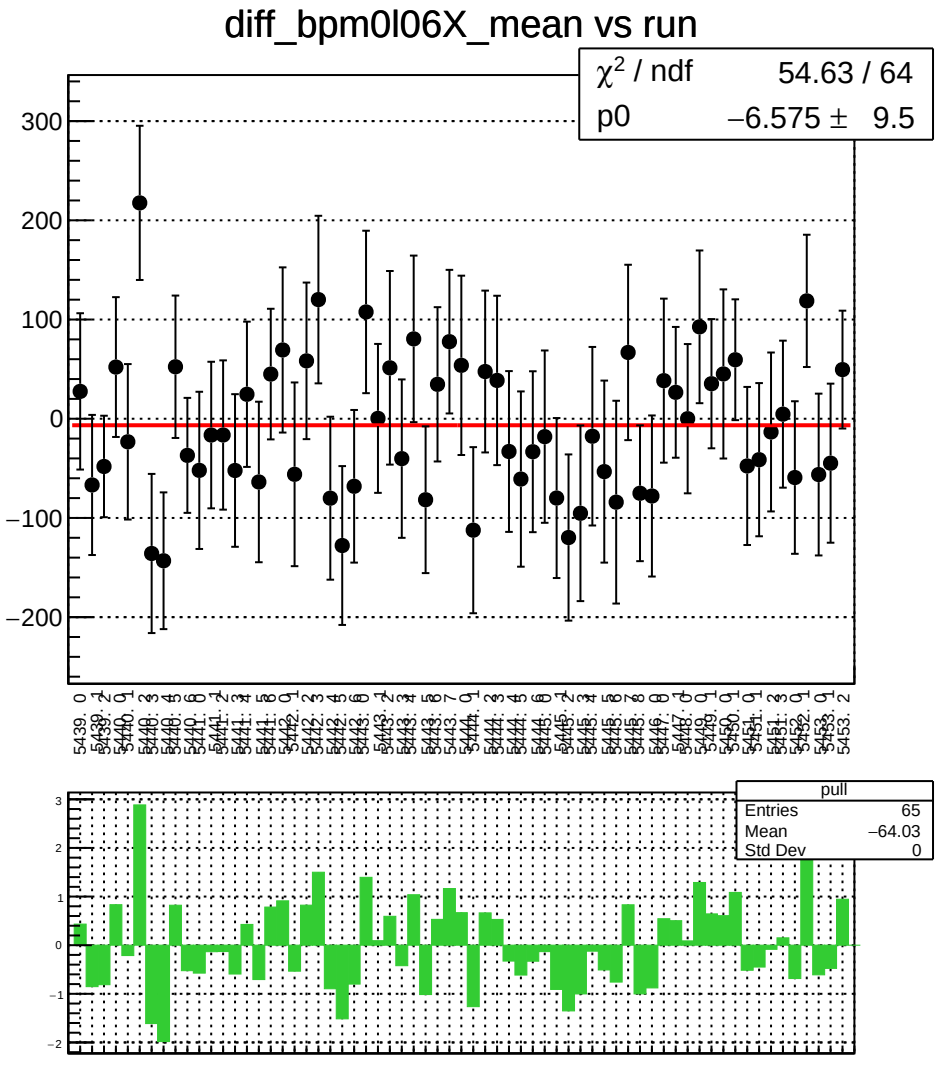

pull1D
Entries 65
Mean −0.009518
Std Dev 0.9524

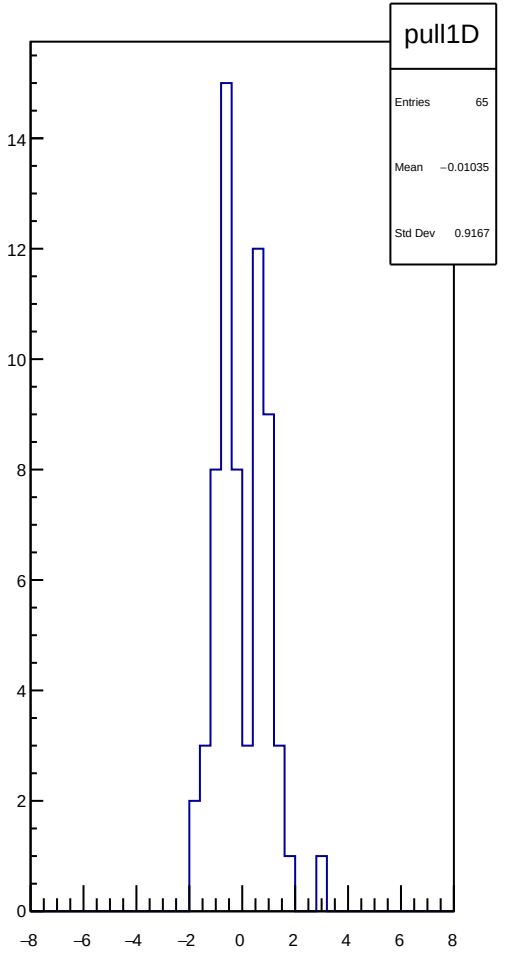

diff_bpm0l05X_rms vs run
χ² / ndf 7883 / 64
p0 6195 ± 5.418
8000
7500
7000
6500
6000
5500

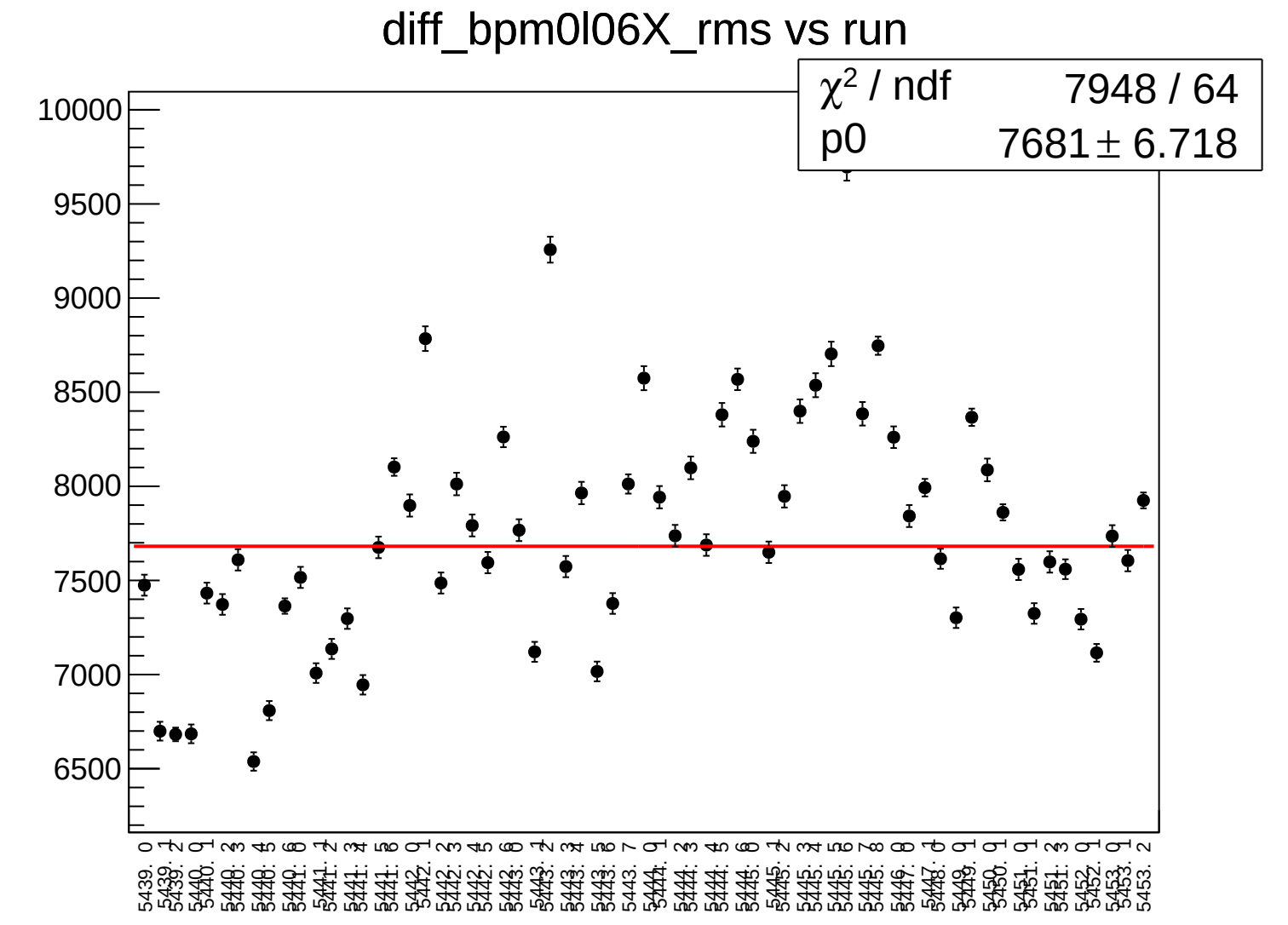

diff_bpm0l05Y_mean vs run
χ^2 / ndf 77.1 / 64
p0 10.28 ± 1.917
pull
Entries 65
Mean −550.5
Std Dev 0

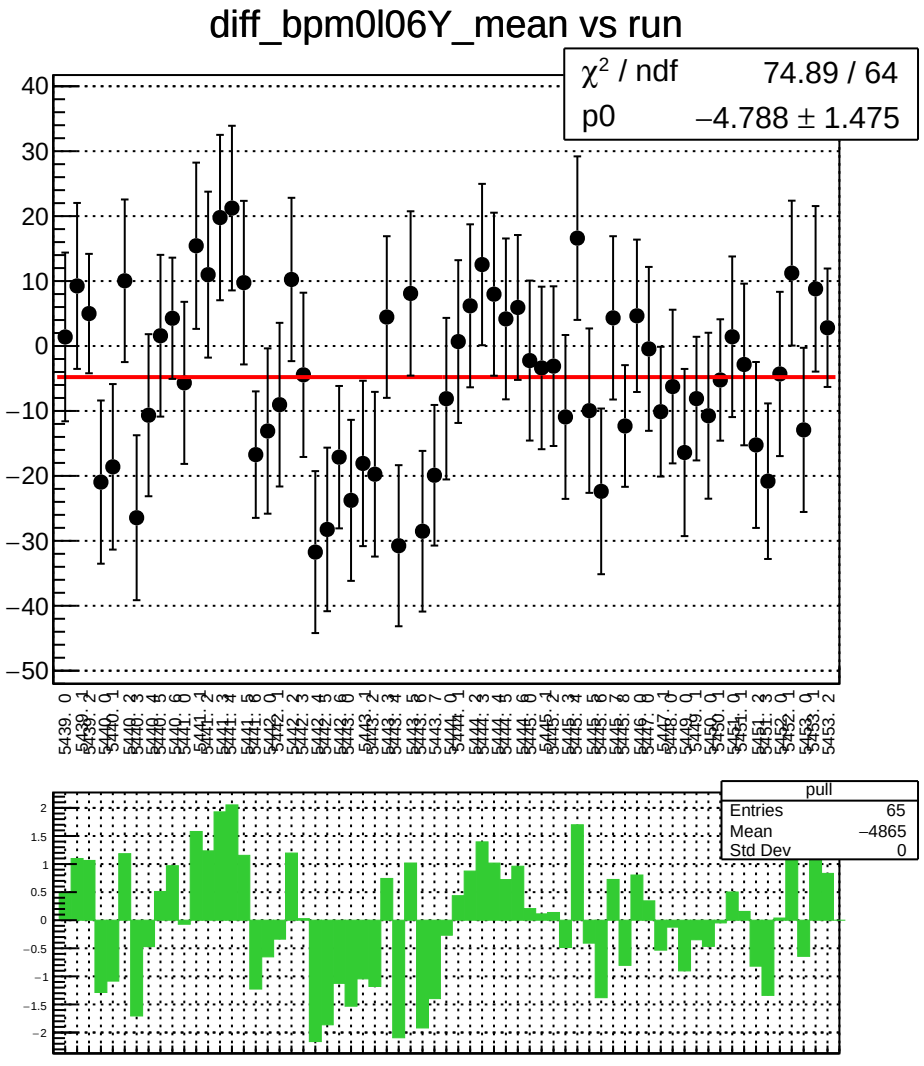

pull1D
Entries 65
Mean −0.003954
Std Dev 1.089

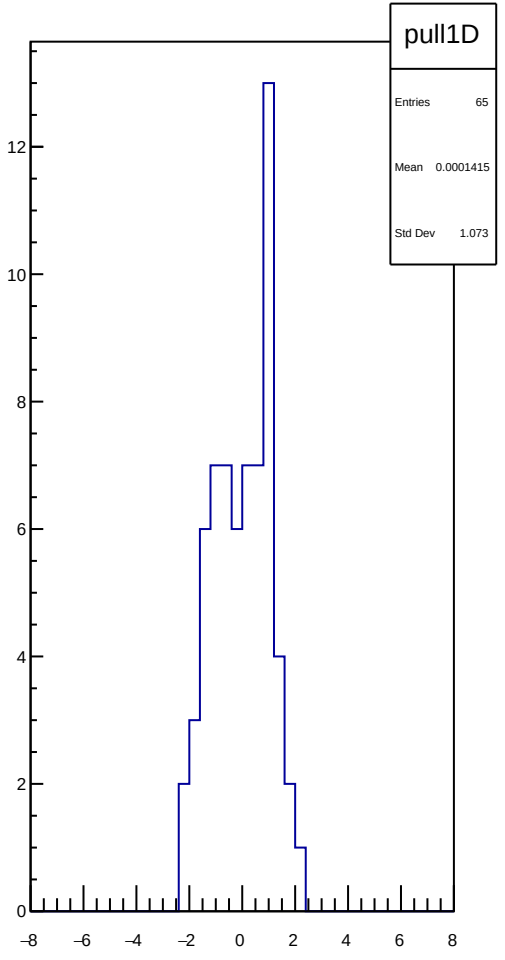

diff_bpm0l05Y_rms vs run
χ² / ndf 168.9 / 64
p0 1555 ± 1.356
1620
1600
1580
1560
1540
1520

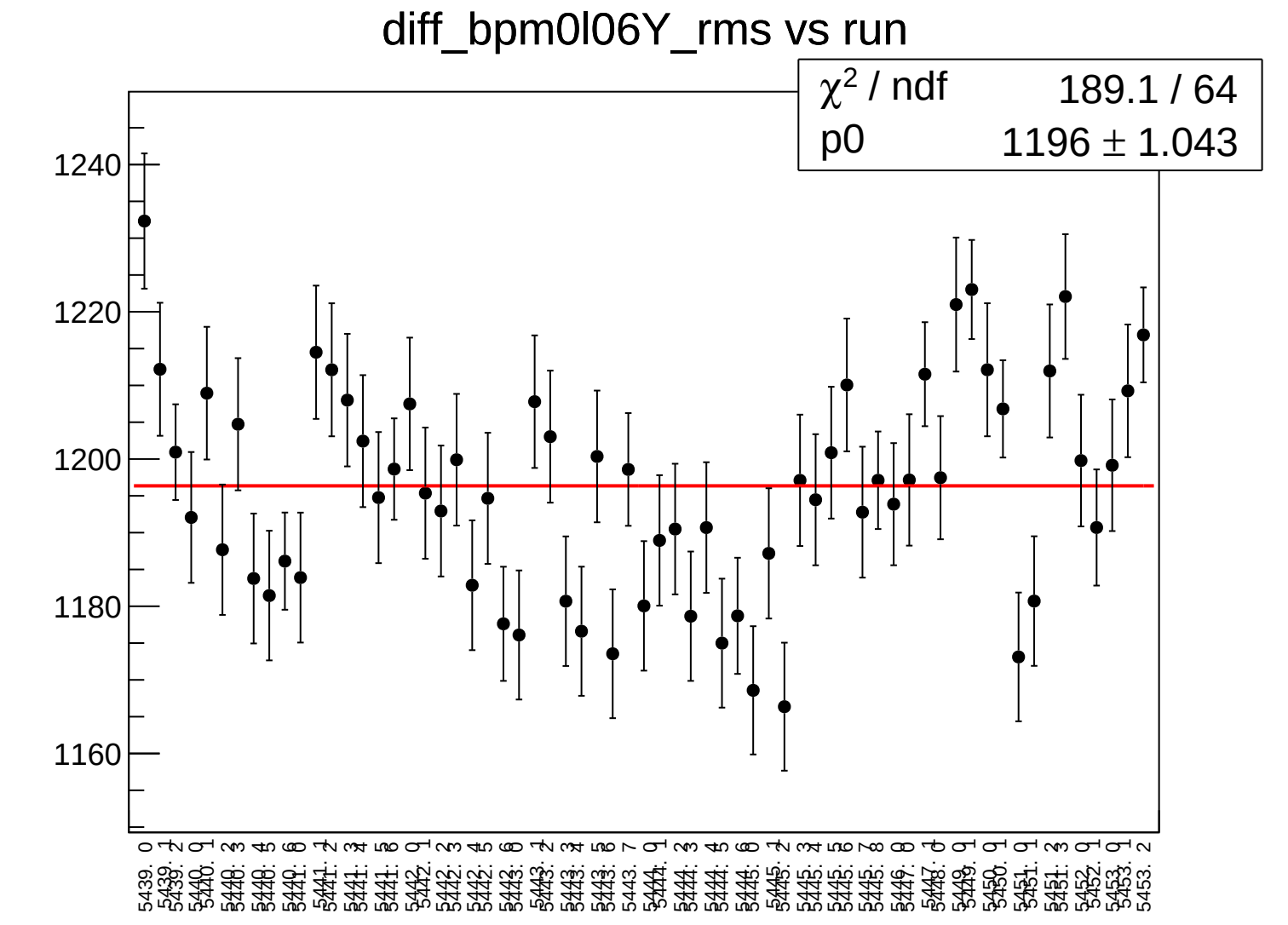

diff_bpm0l06X_mean vs run
χ² / ndf 54.63 / 64
p0 −6.575 ± 9.5
pull
Entries 65
Mean −64.03
Std Dev 0

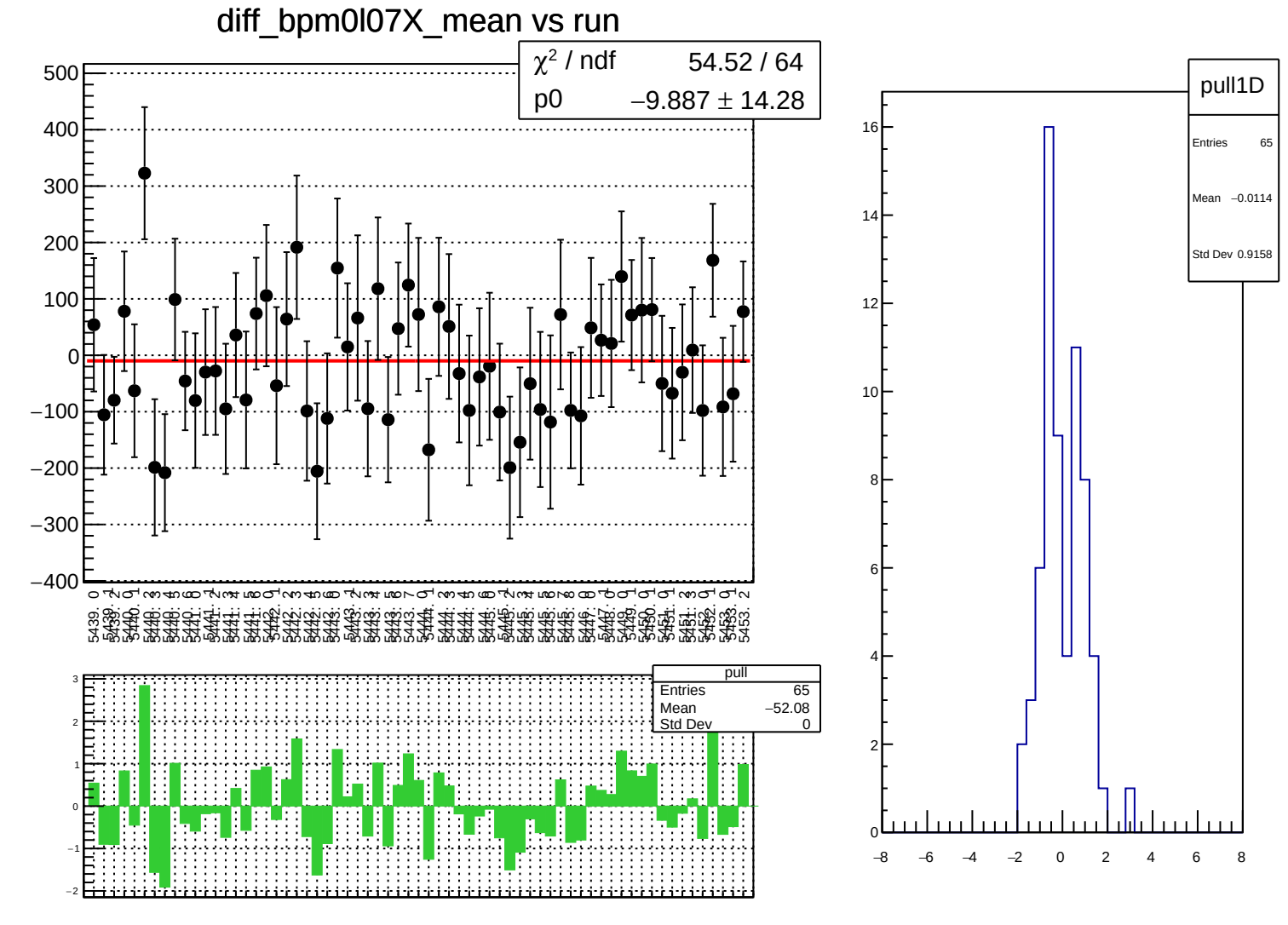

pull1D
Entries 65
Mean −0.01035
Std Dev 0.9167

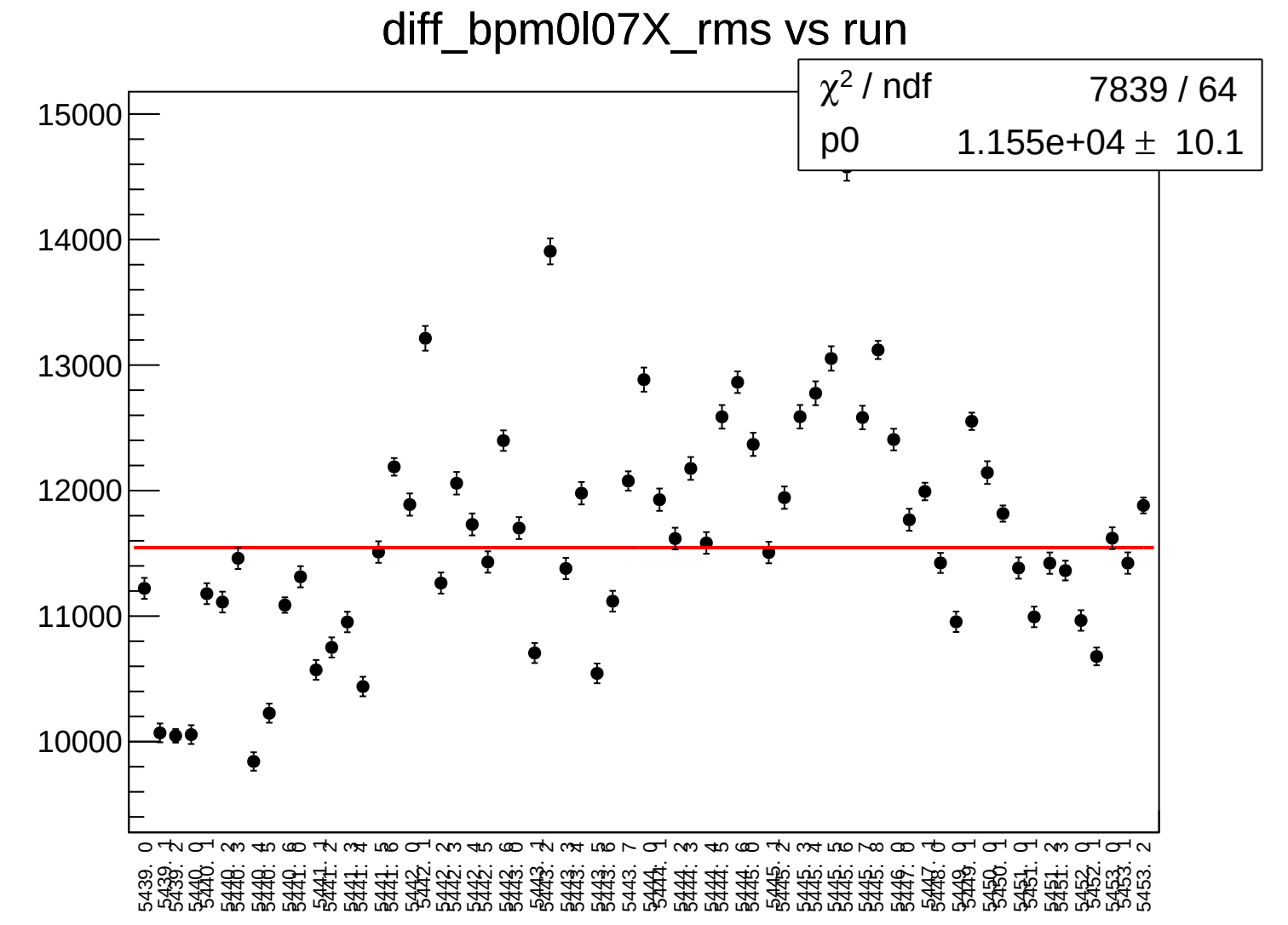

diff_bpm0l06X_rms vs run
χ² / ndf 7948 / 64
p0 7681 ± 6.718
10000
9500
9000
8500
8000
7500
7000
6500

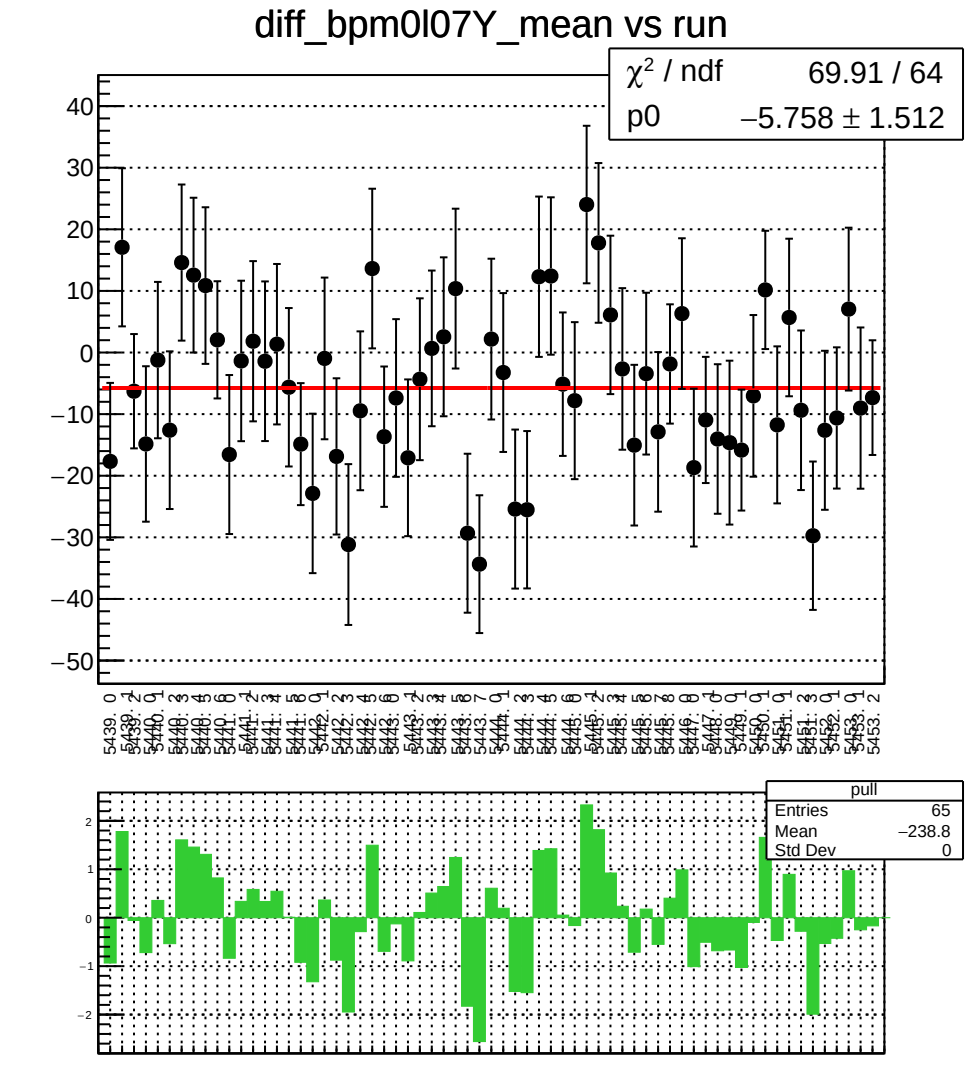

diff_bpm0l06Y_mean vs run
χ² / ndf 74.89 / 64
p0 −4.788 ± 1.475
pull
Entries 65
Mean −4865
Std Dev 0

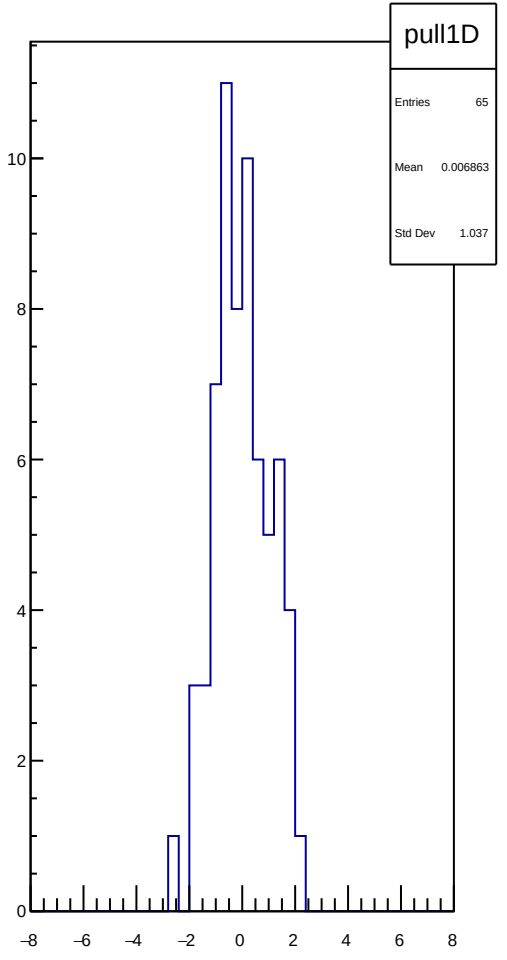

pull1D
Entries 65
Mean 0.0001415
Std Dev 1.073

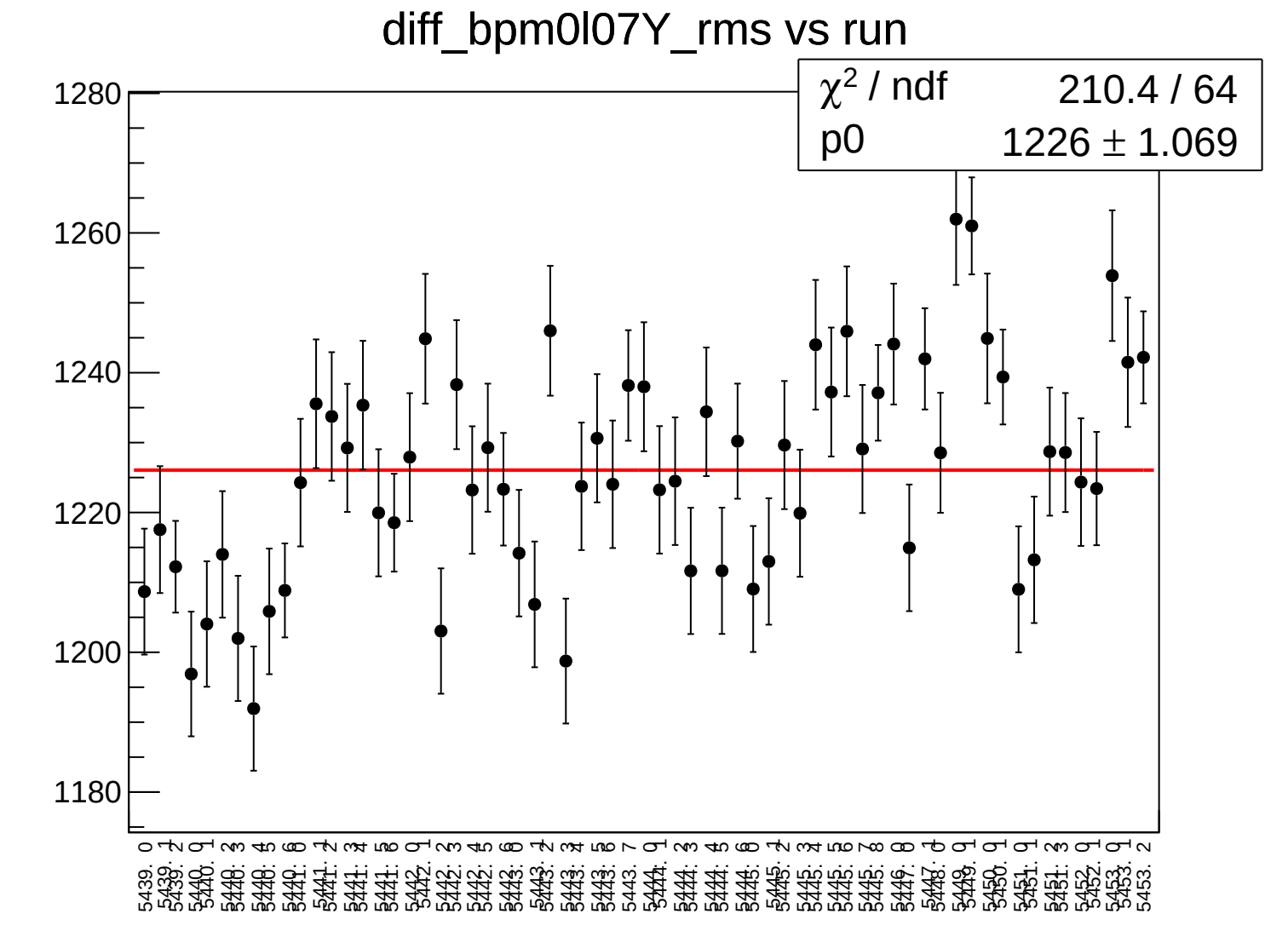

diff_bpm0l06Y_rms vs run
χ² / ndf 189.1 / 64
p0 1196 ± 1.043
1240
1220
1200
1180
1160

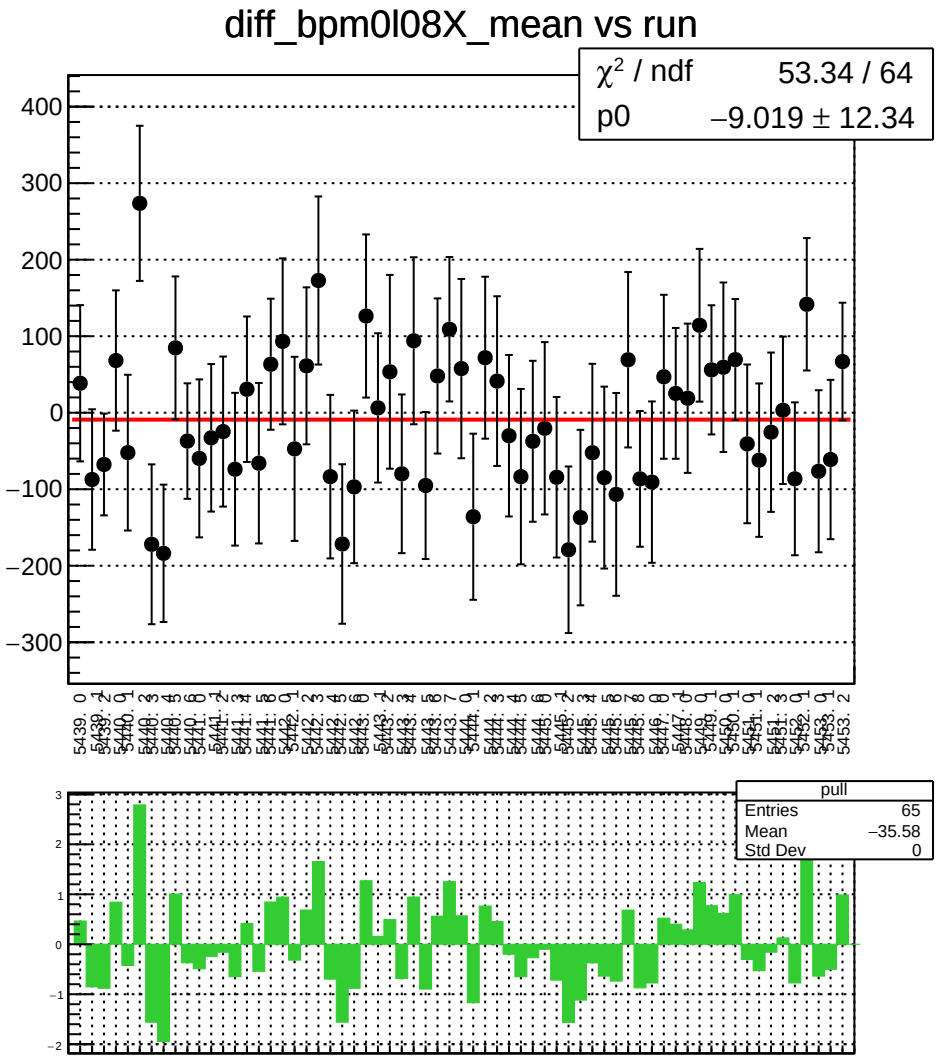

diff_bpm0l07X_mean vs run
χ² / ndf 54.52 / 64
p0 −9.887 ± 14.28
pull
Entries 65
Mean −52.08
Std Dev 0
pull1D
Entries 65
Mean −0.0114
Std Dev 0.9158

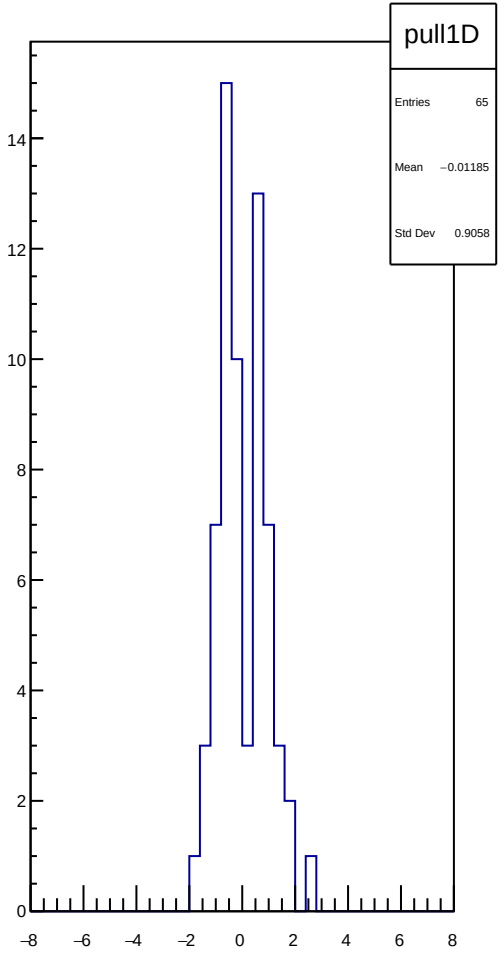

diff_bpm0l07X_rms vs run
χ² / ndf 7839 / 64
p0 1.155e+04 ± 10.1
15000
14000
13000
12000
11000
10000

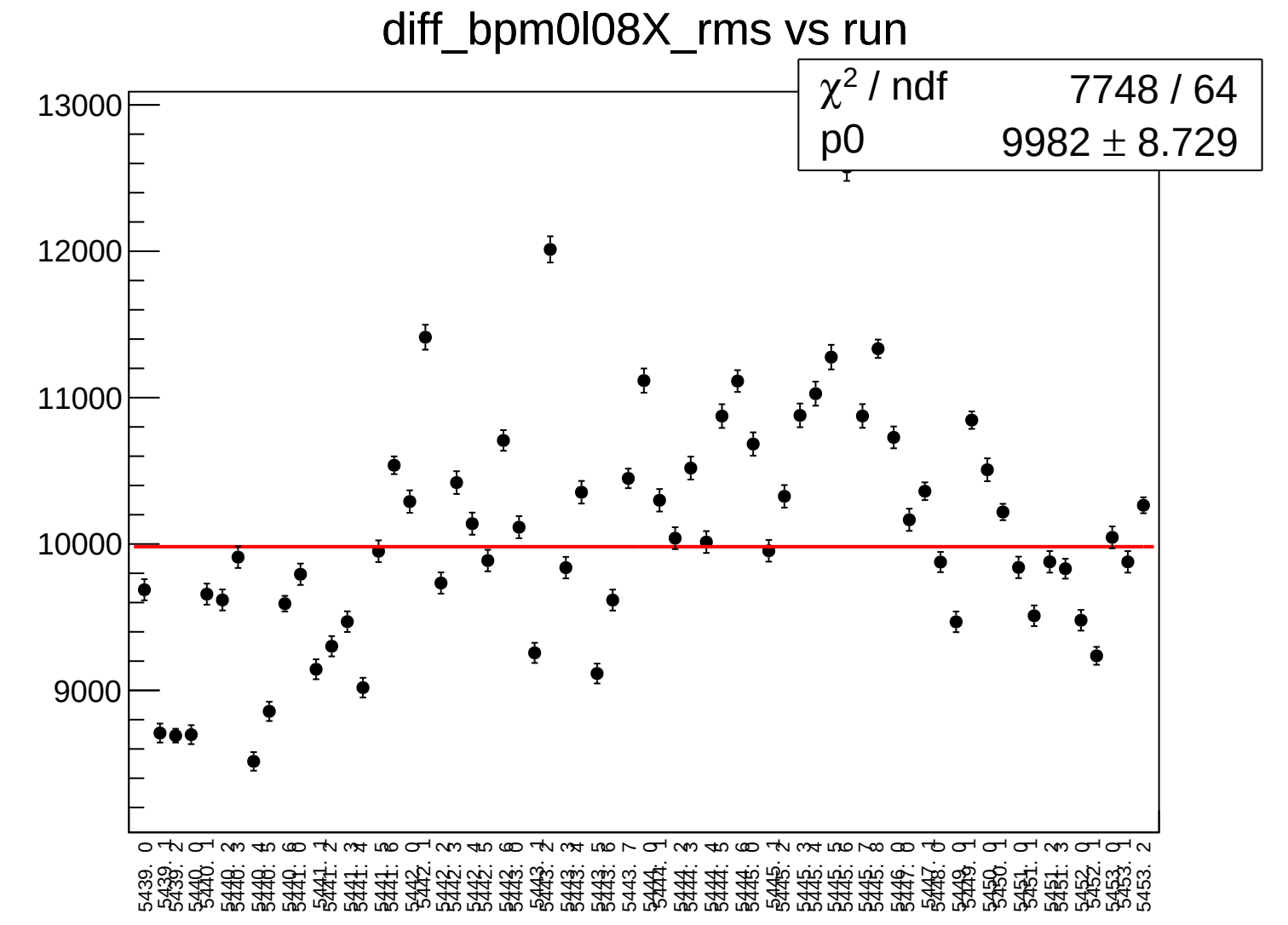

diff_bpm0l07Y_mean vs run
χ² / ndf 69.91 / 64
p0 −5.758 ± 1.512
pull
Entries 65
Mean −238.8
Std Dev 0

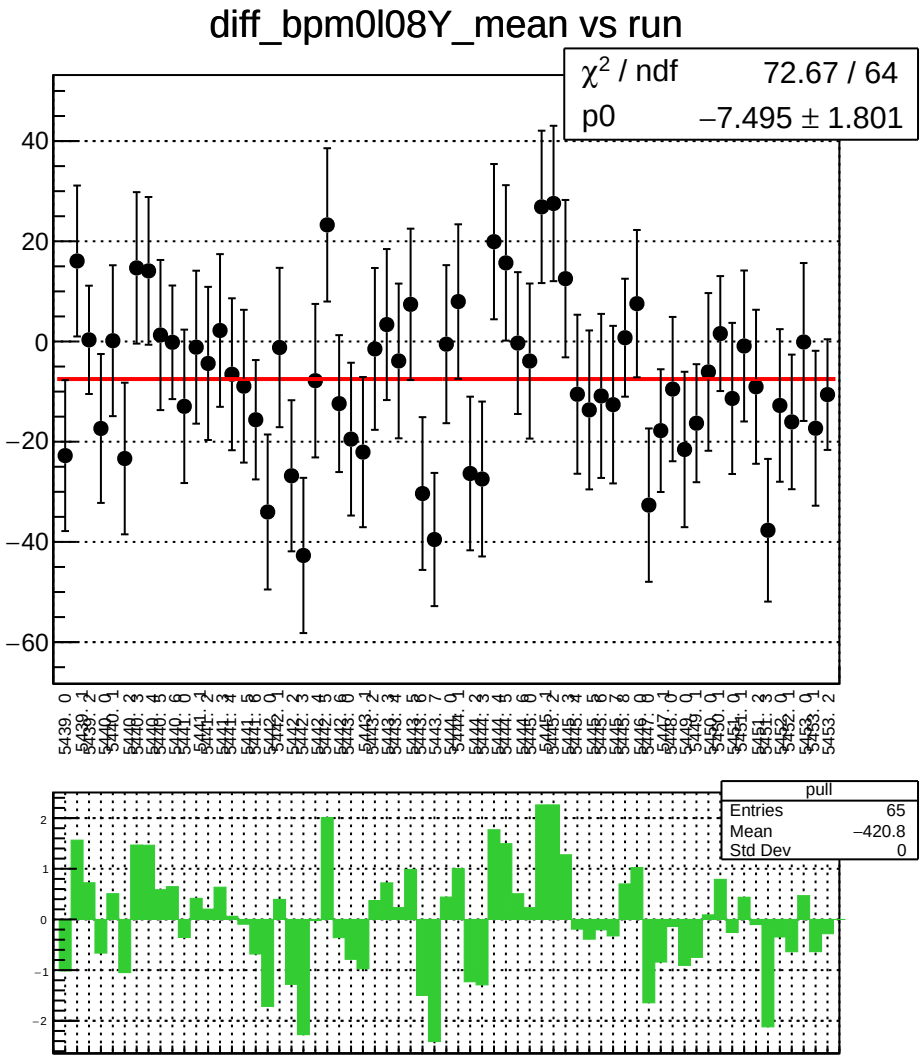

pull1D
Entries 65
Mean 0.006863
Std Dev 1.037

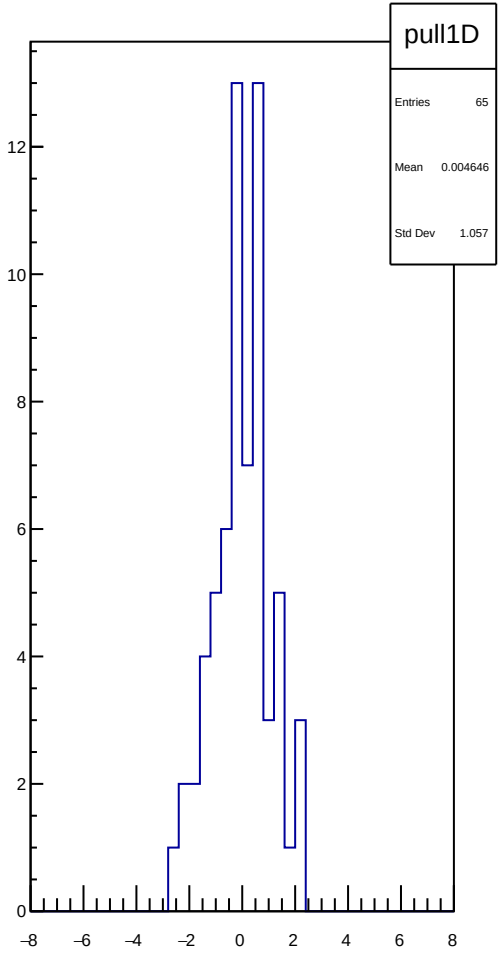

diff_bpm0l07Y_rms vs run
χ² / ndf 210.4 / 64
p0 1226 ± 1.069
1280
1260
1240
1220
1200
1180

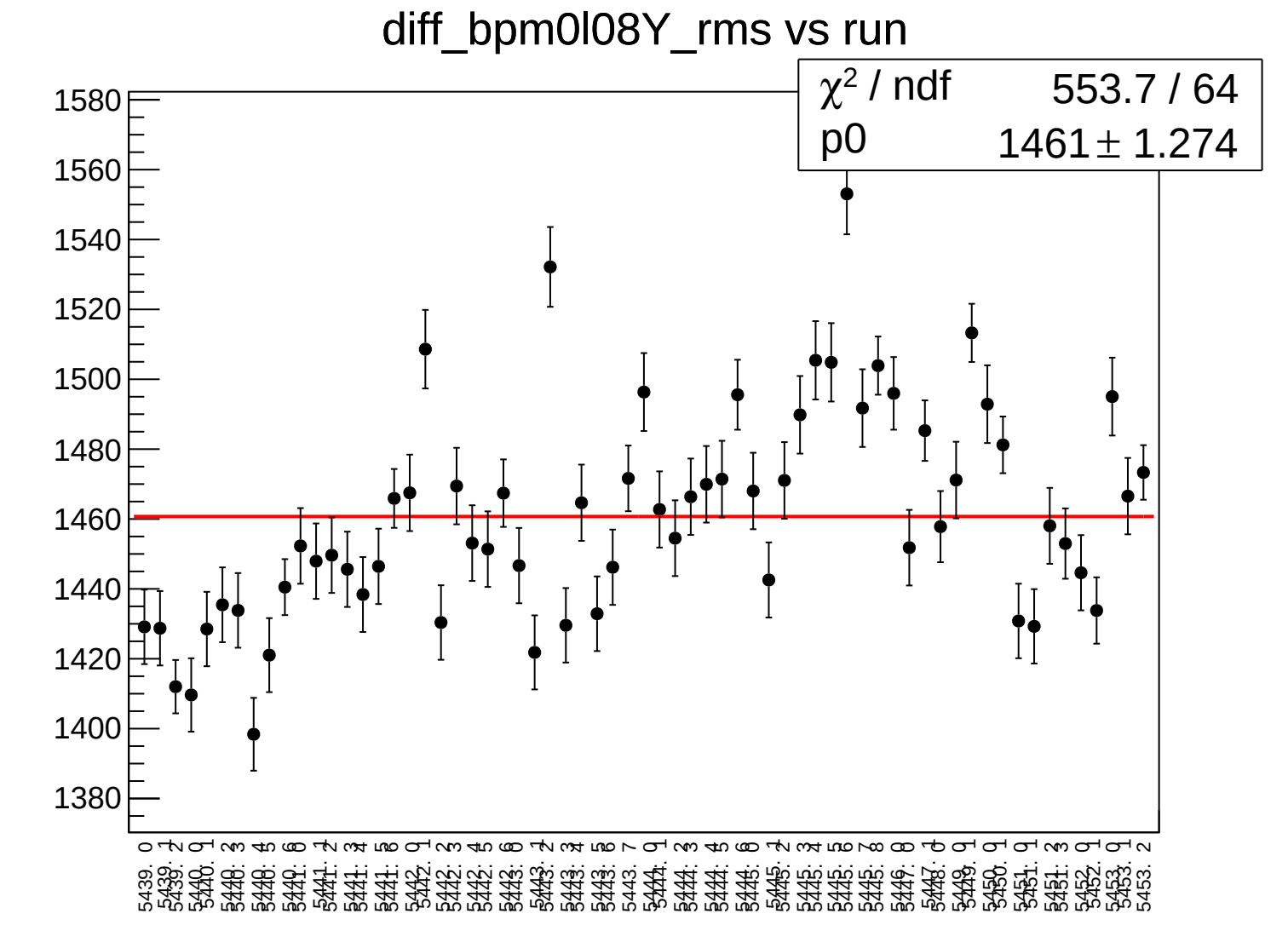

diff_bpm0l08X_mean vs run
χ² / ndf 53.34 / 64
p0 −9.019 ± 12.34
pull
Entries 65
Mean −35.58
Std Dev 0

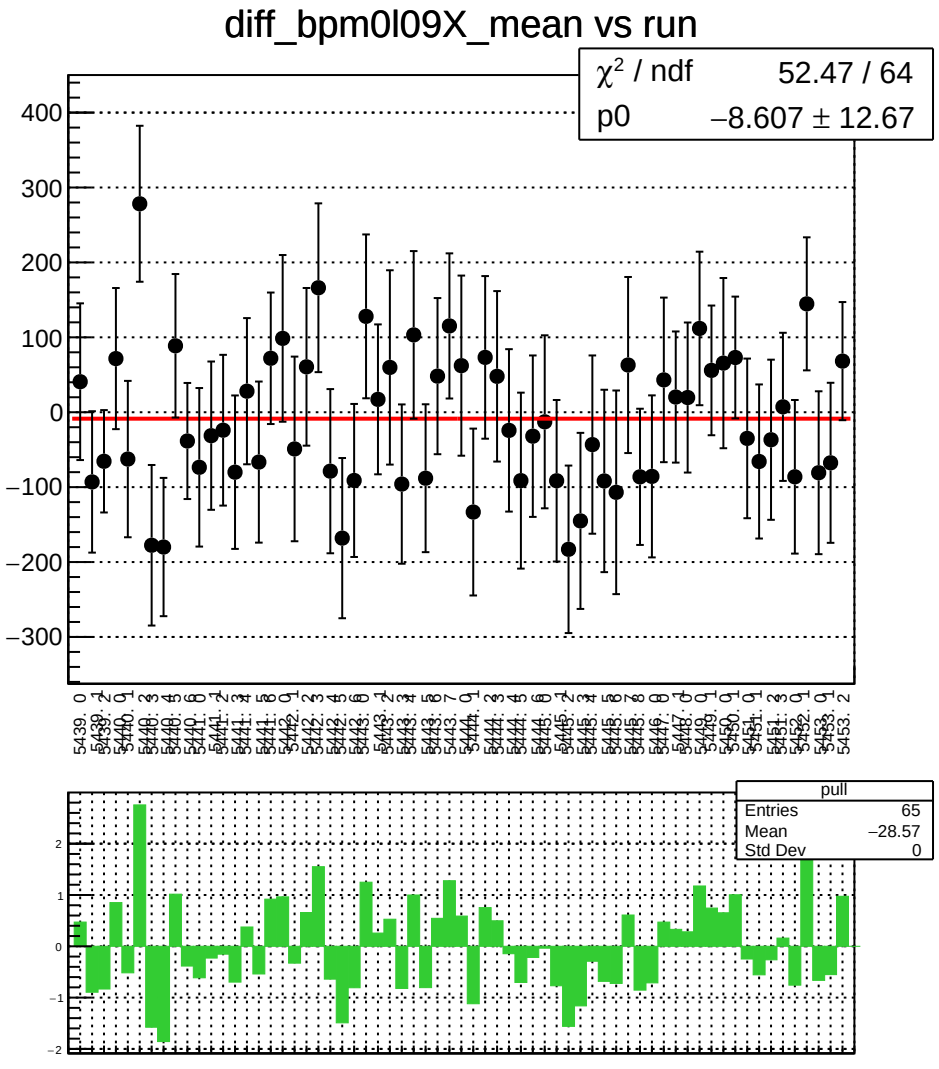

pull1D
Entries 65
Mean −0.01185
Std Dev 0.9058

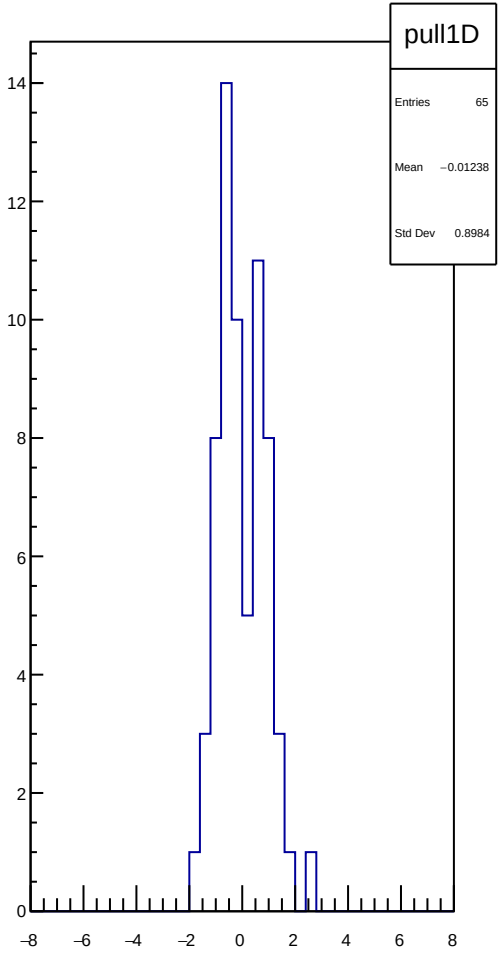

diff_bpm0l08X_rms vs run
χ² / ndf 7748 / 64
p0 9982 ± 8.729
13000
12000
11000
10000
9000

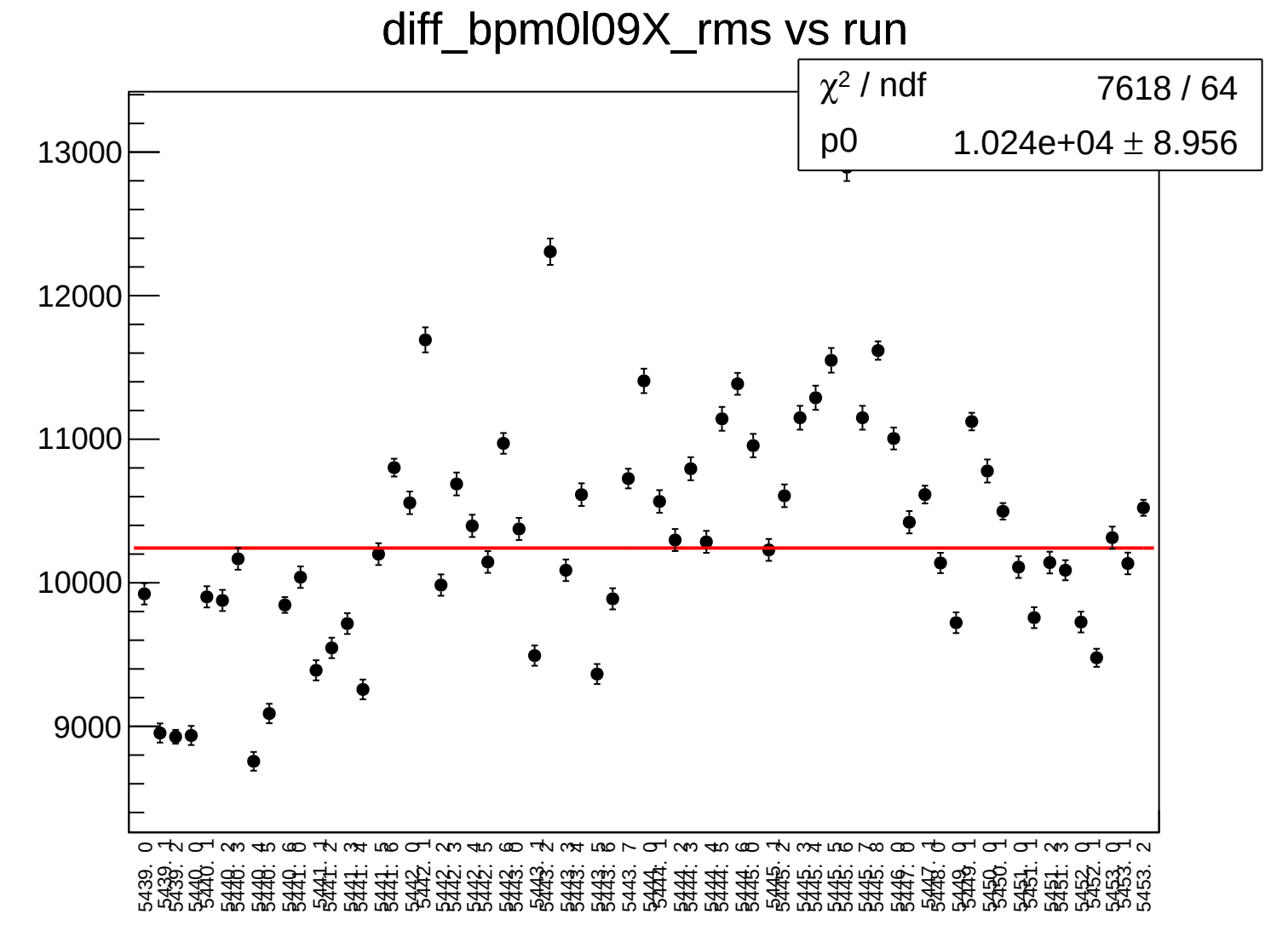

diff_bpm0l08Y_mean vs run
χ² / ndf 72.67 / 64
p0 −7.495 ± 1.801
pull
Entries 65
Mean −420.8
Std Dev 0

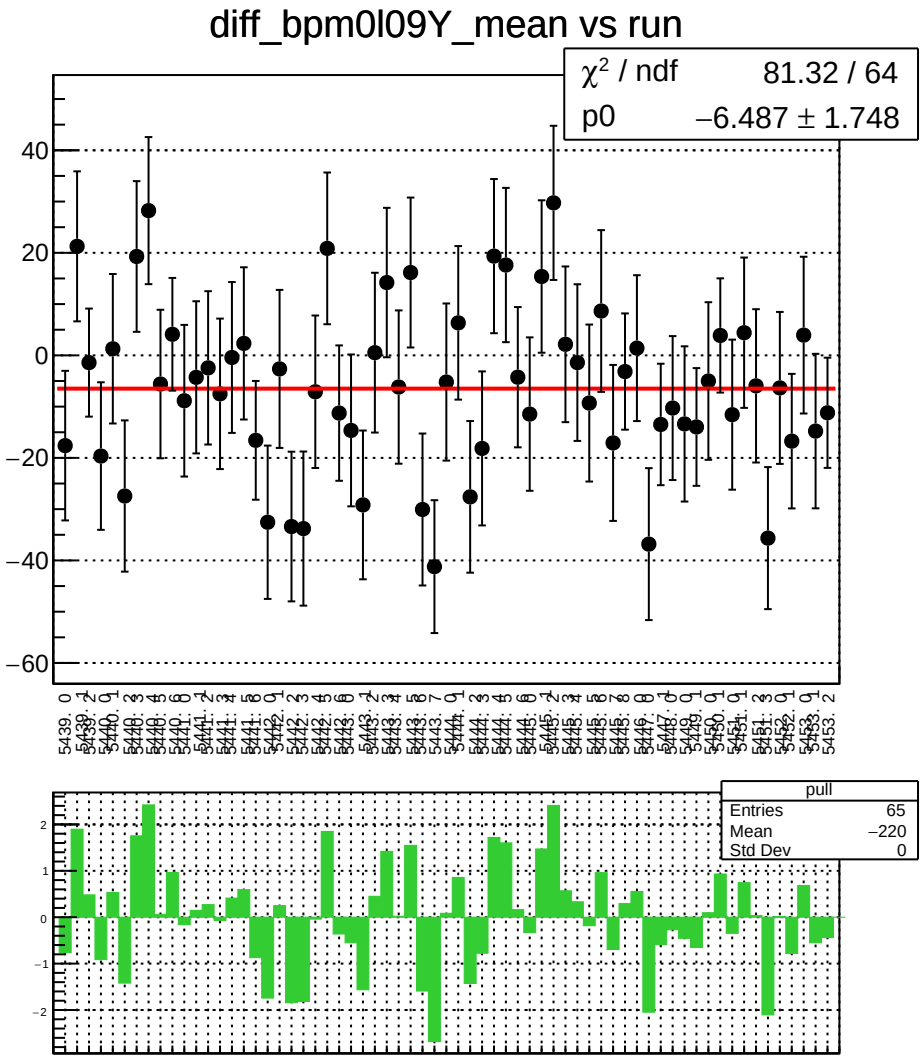

pull1D
Entries 65
Mean 0.004646
Std Dev 1.057

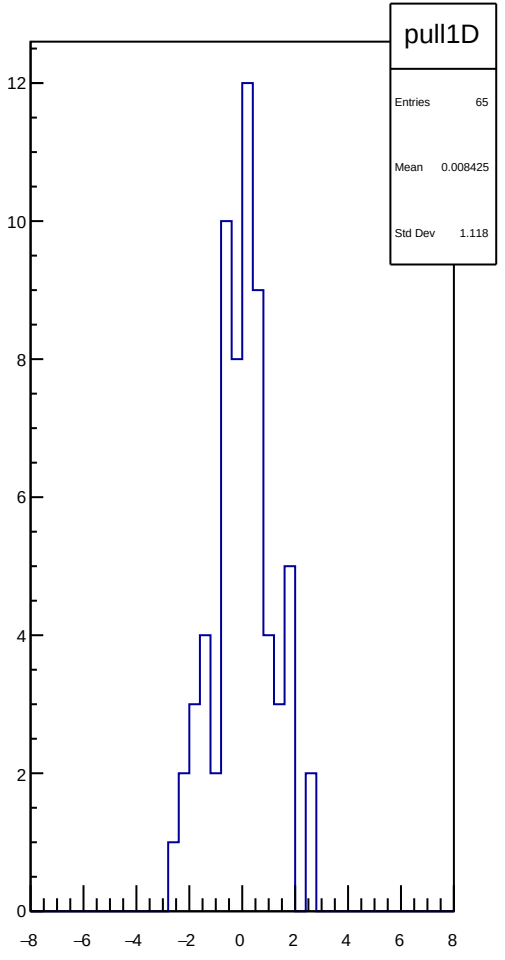

diff_bpm0l08Y_rms vs run
χ² / ndf 553.7 / 64
p0 1461 ± 1.274
1580
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

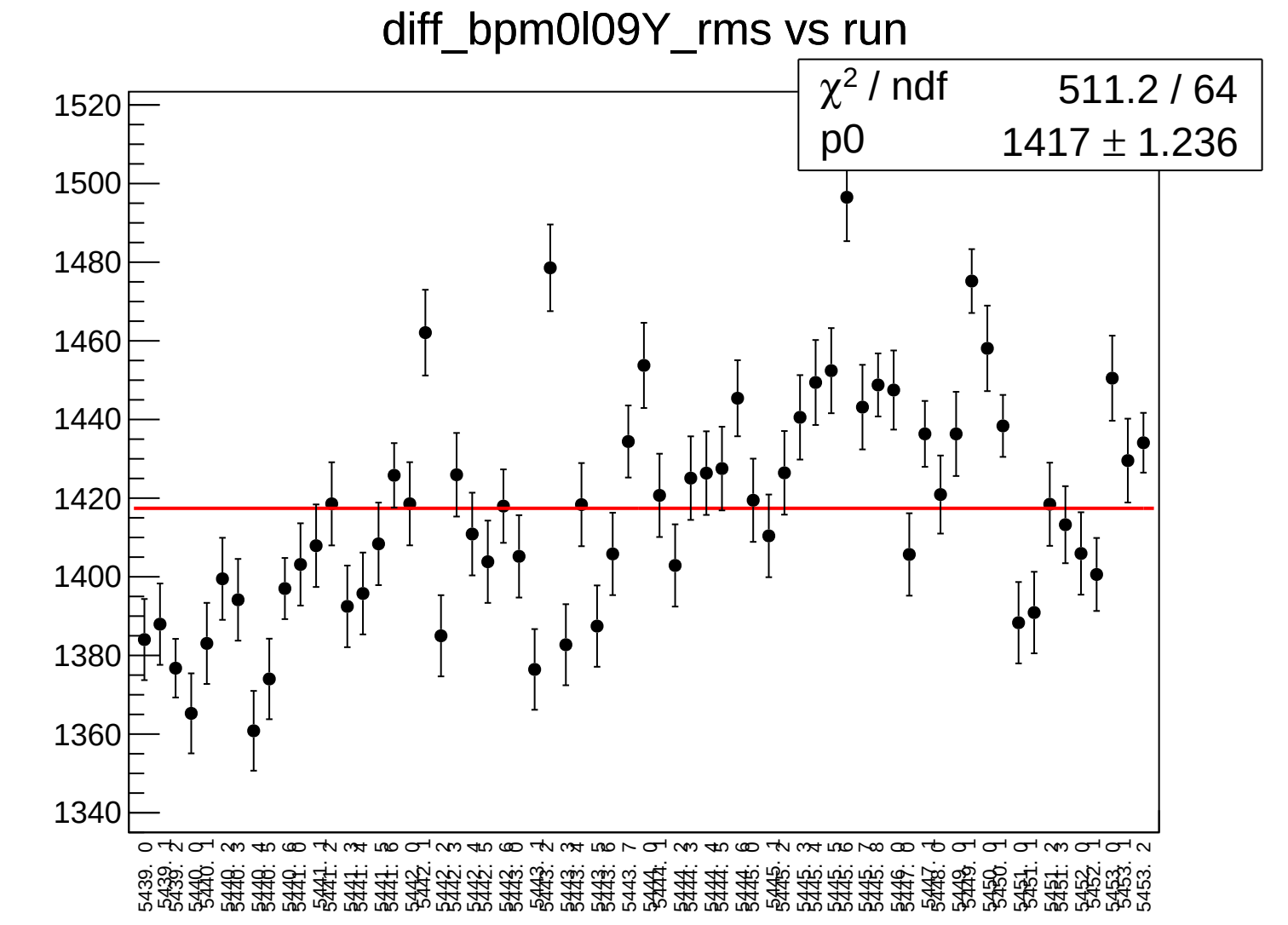

diff_bpm0l09X_mean vs run
χ² / ndf 52.47 / 64
p0 −8.607 ± 12.67
pull
Entries 65
Mean −28.57
Std Dev 0

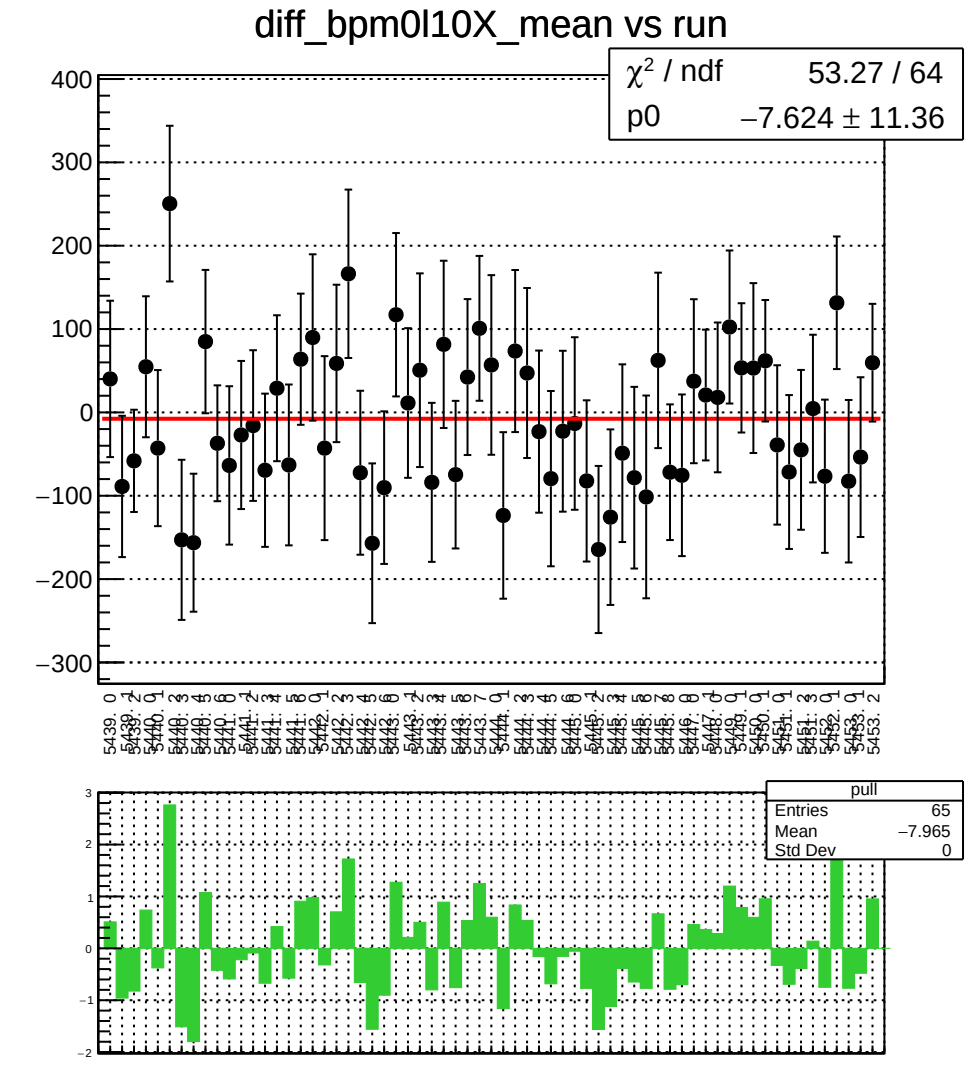

pull1D
Entries 65
Mean −0.01238
Std Dev 0.8984

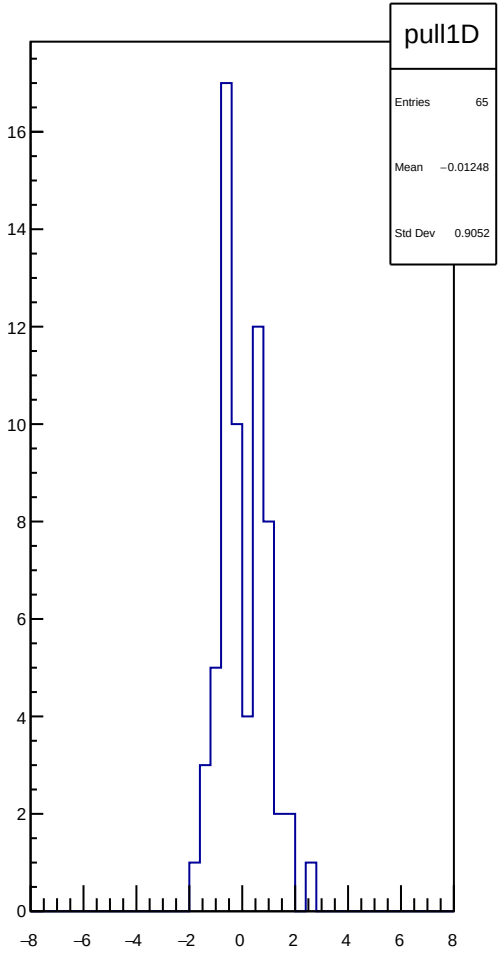

diff_bpm0l09X_rms vs run
χ² / ndf 7618 / 64
p0 1.024e+04 ± 8.956
13000
12000
11000
10000
9000

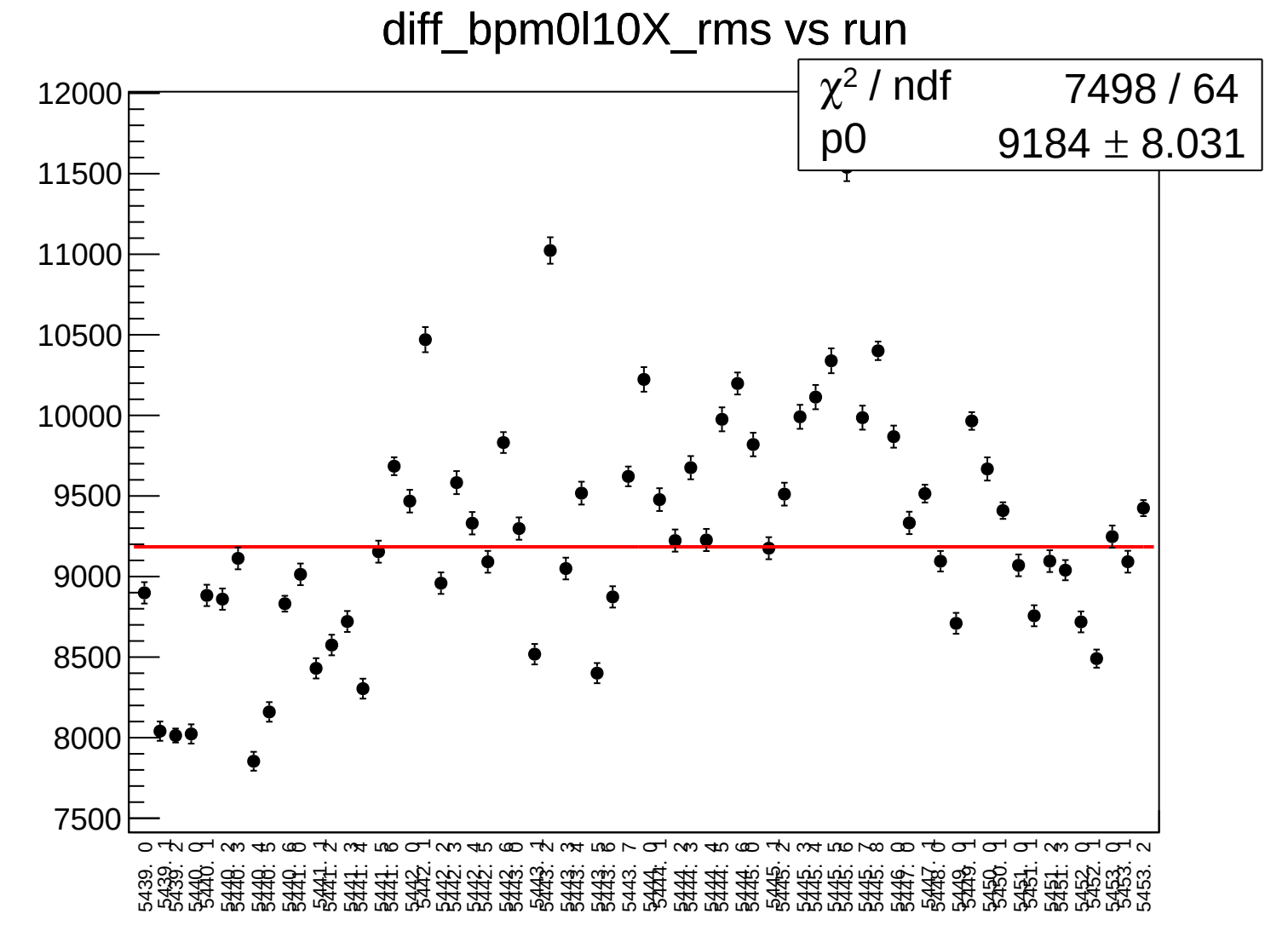

diff_bpm0l09Y_mean vs run
χ² / ndf 81.32 / 64
p0 −6.487 ± 1.748
pull
Entries 65
Mean −220
Std Dev 0

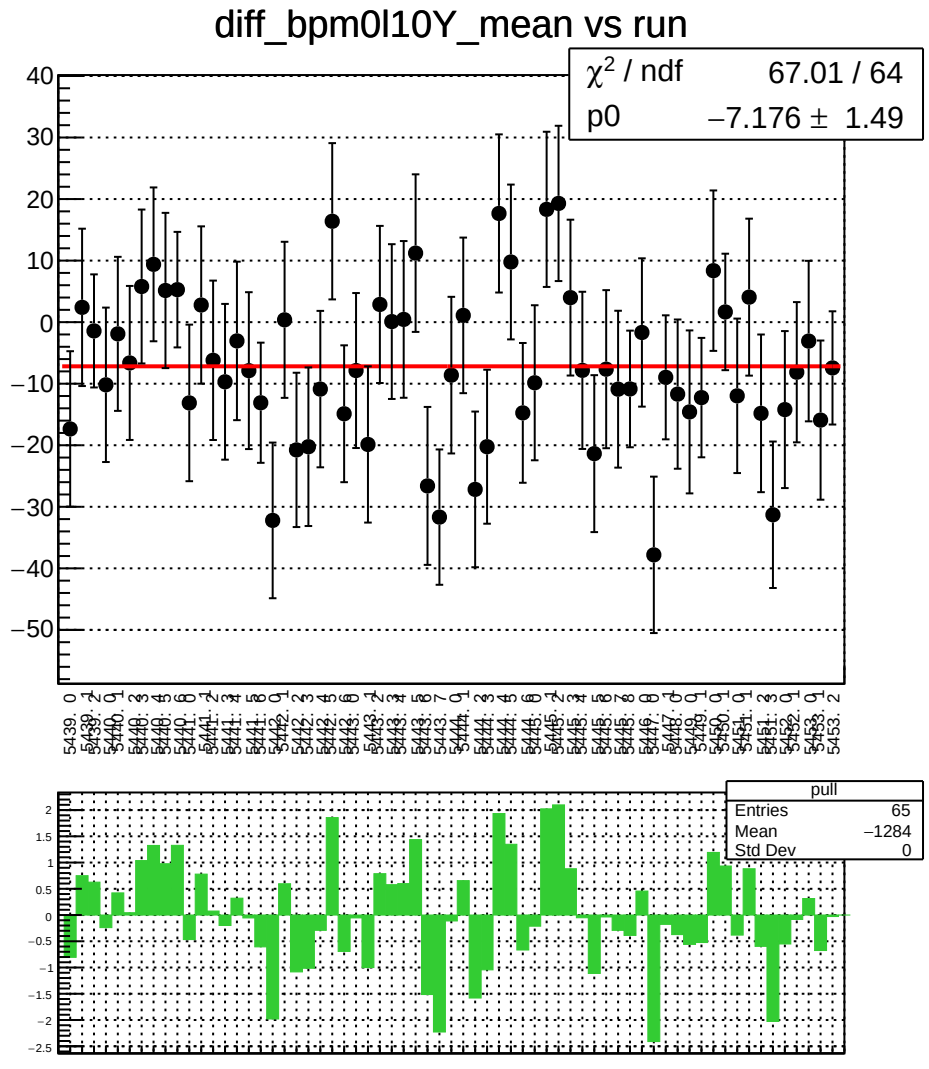

pull1D
Entries 65
Mean 0.008425
Std Dev 1.118

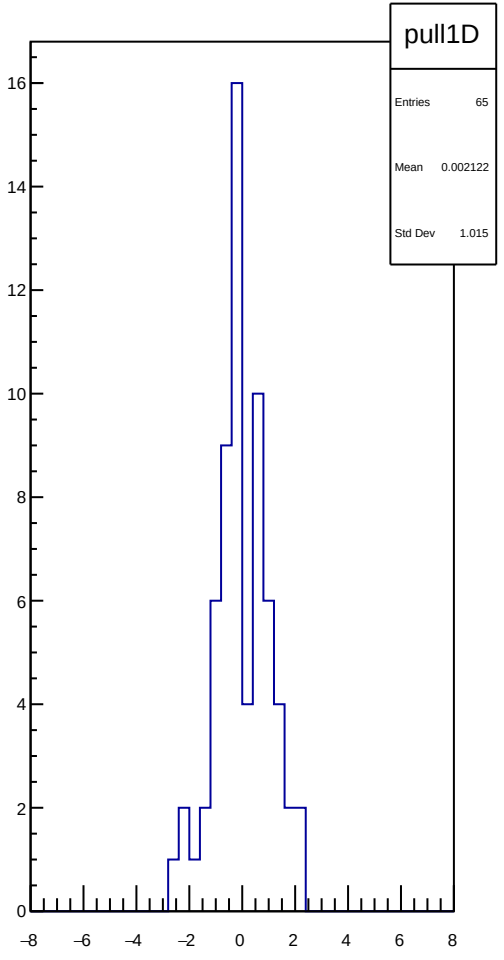

diff_bpm0l09Y_rms vs run
χ² / ndf 511.2 / 64
p0 1417 ± 1.236
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340

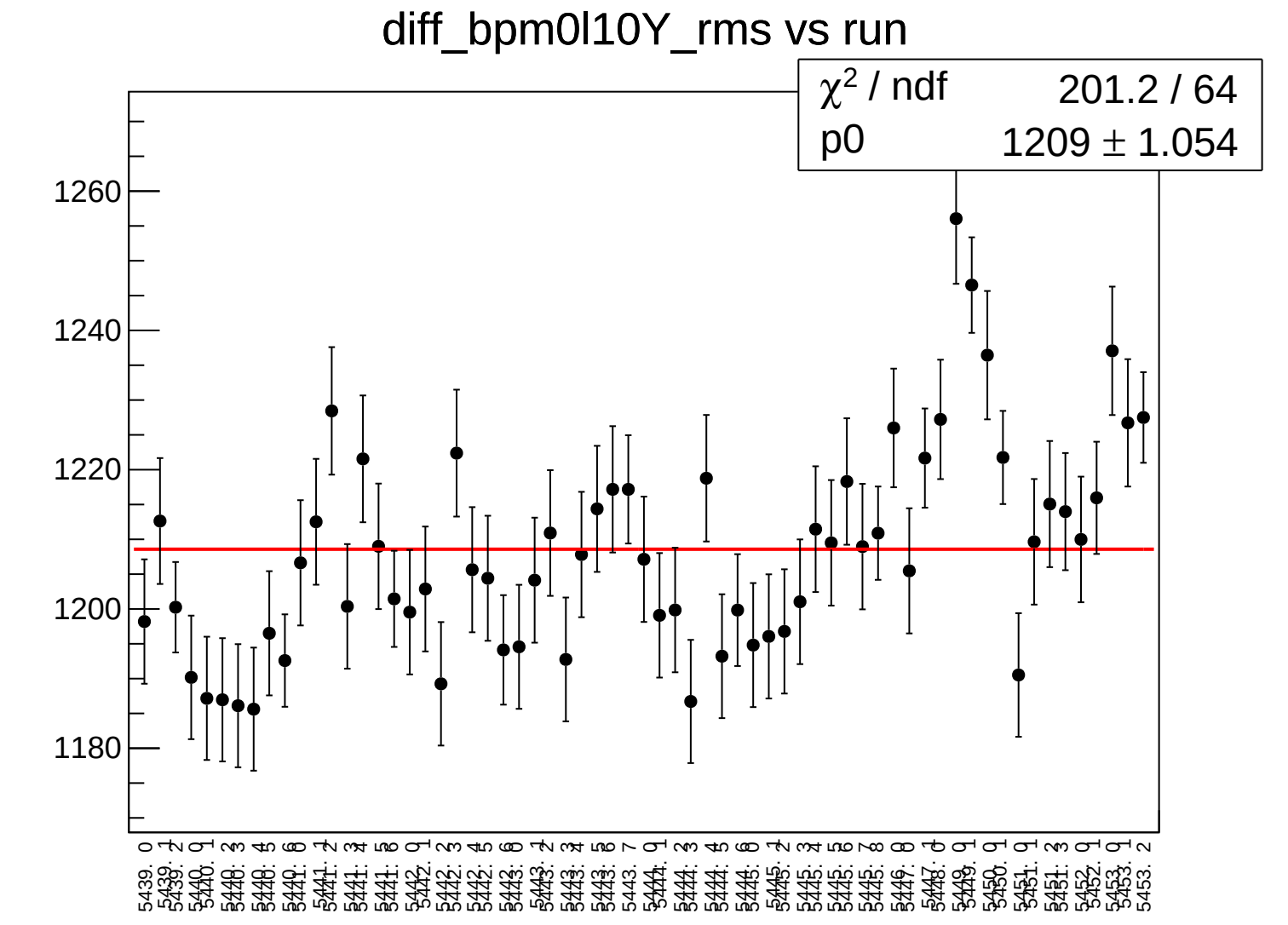

diff_bpm0l10X_mean vs run
χ² / ndf 53.27 / 64
p0 −7.624 ± 11.36
pull
Entries 65
Mean −7.965
Std Dev 0

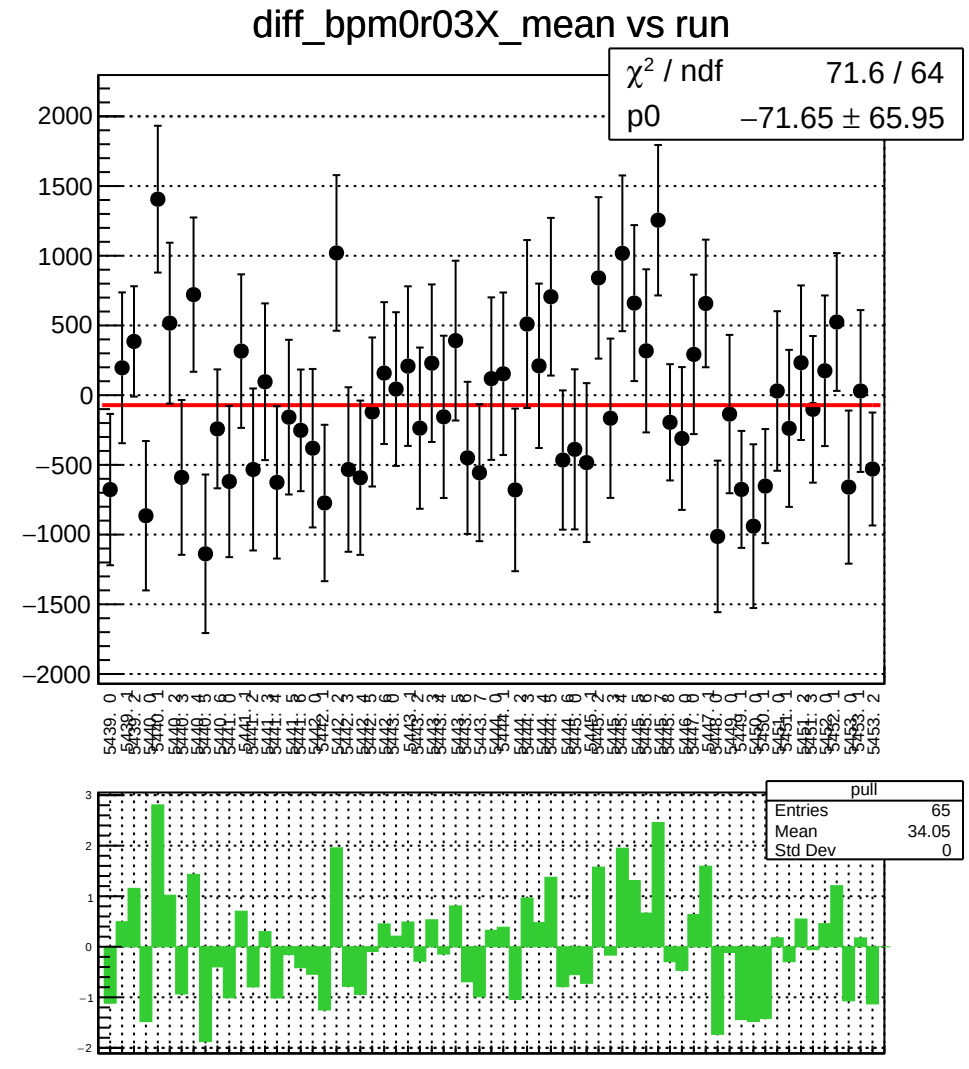

pull1D
Entries 65
Mean −0.01248
Std Dev 0.9052

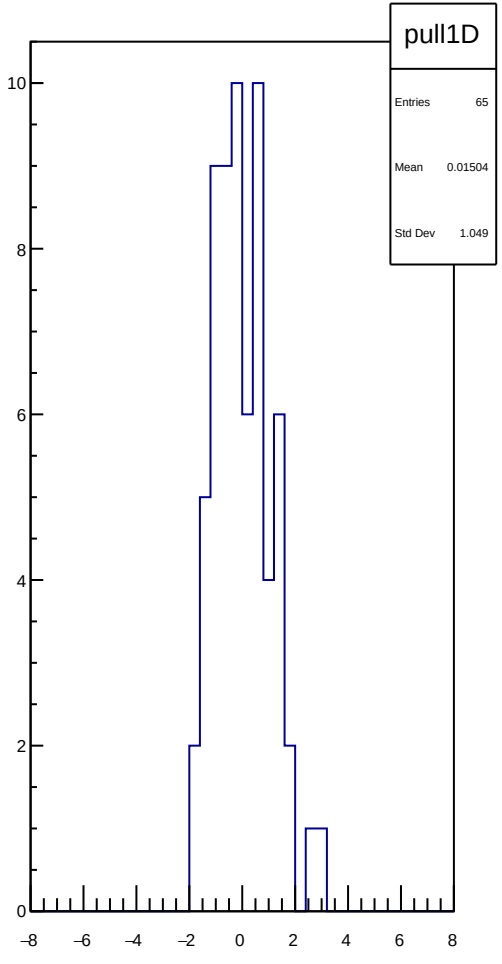

diff_bpm0l10X_rms vs run
χ² / ndf 7498 / 64
p0 9184 ± 8.031
12000
11500
11000
10500
10000
9500
9000
8500
8000
7500

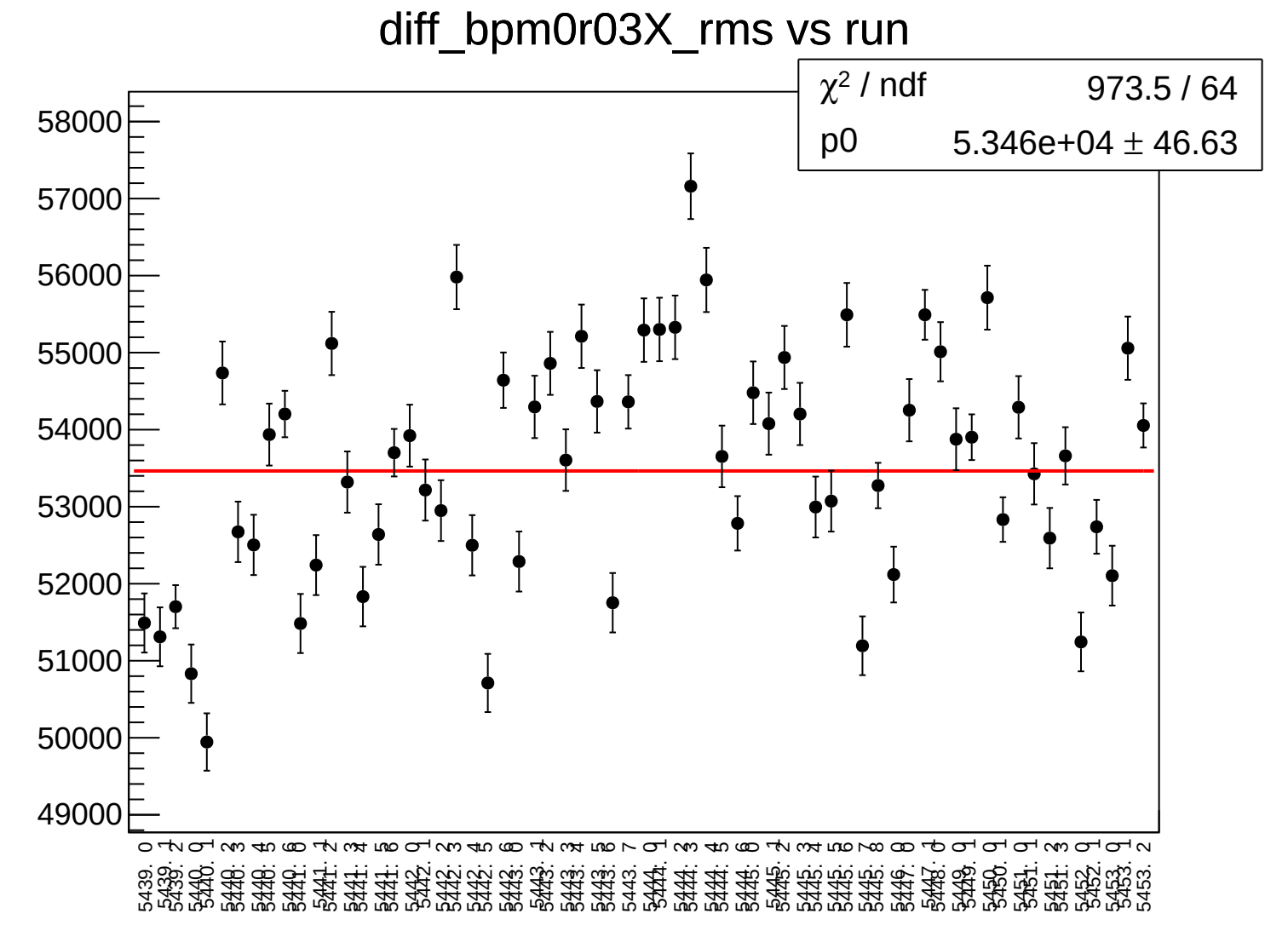

diff_bpm0l10Y_mean vs run
χ² / ndf 67.01 / 64
p0 −7.176 ± 1.49
pull
Entries 65
Mean −1284
Std Dev 0

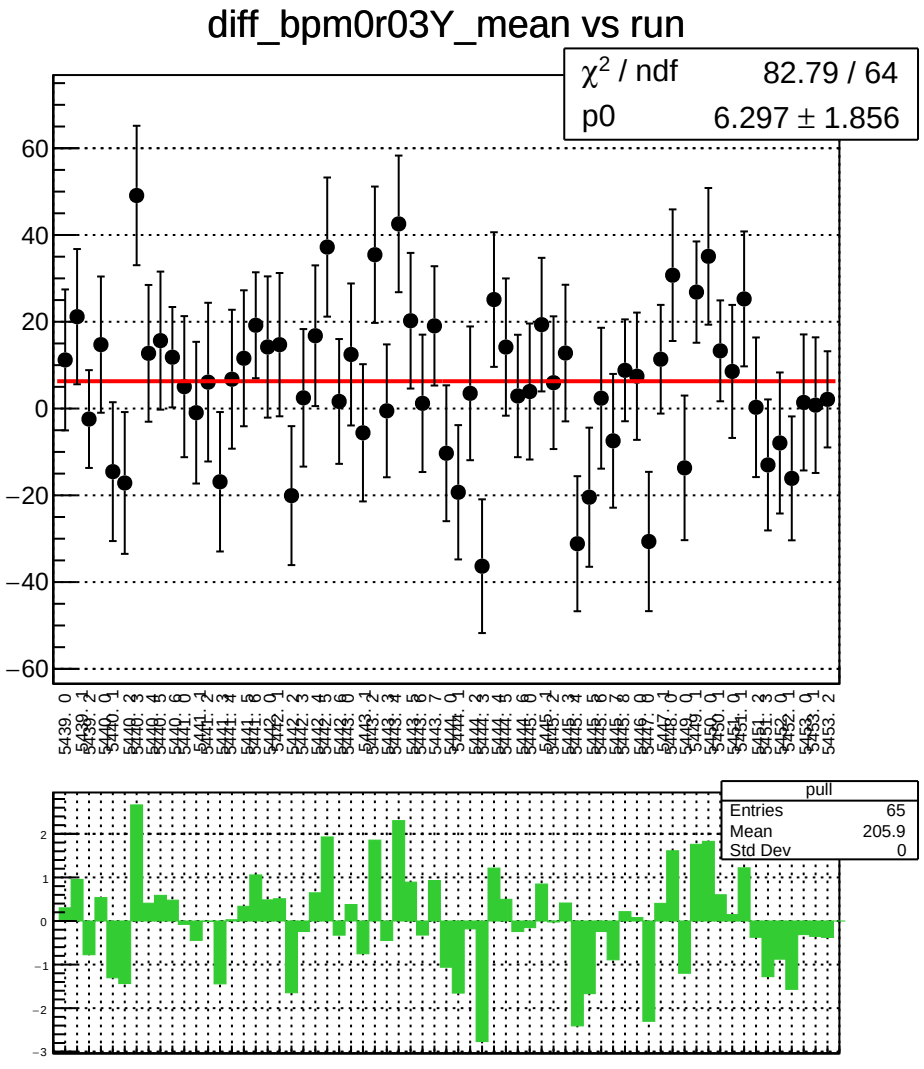

pull1D
Entries 65
Mean 0.002122
Std Dev 1.015

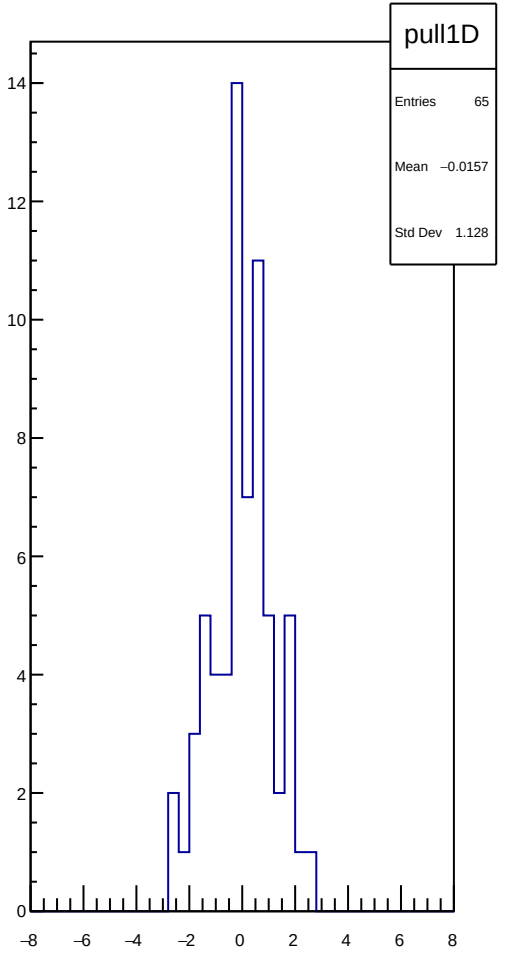

diff_bpm0l10Y_rms vs run
χ² / ndf 201.2 / 64
p0 1209 ± 1.054
1260
1240
1220
1200
1180

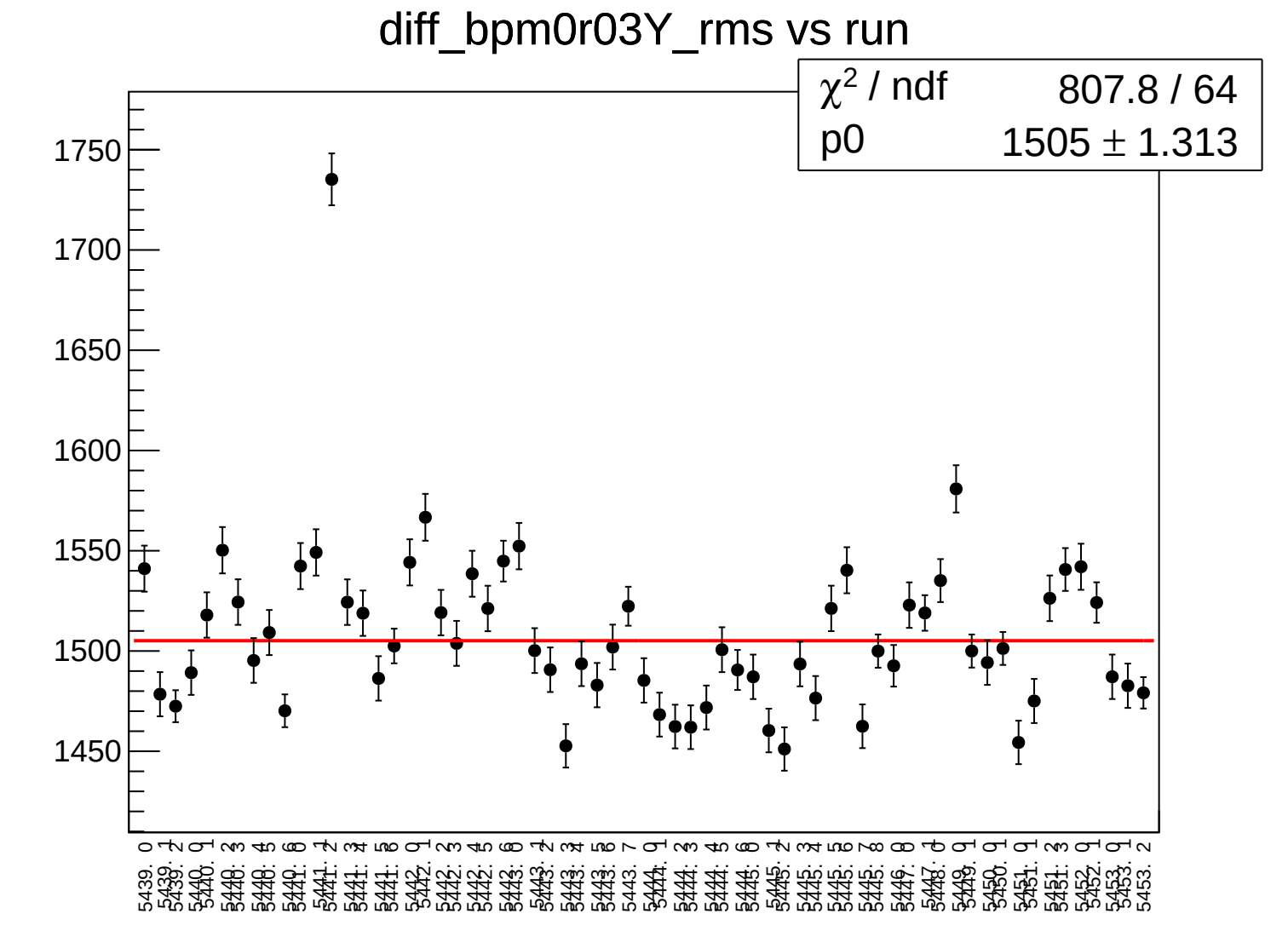

diff_bpm0r03X_mean vs run
χ² / ndf 71.6 / 64
p0 −71.65 ± 65.95
pull
Entries 65
Mean 34.05
Std Dev 0

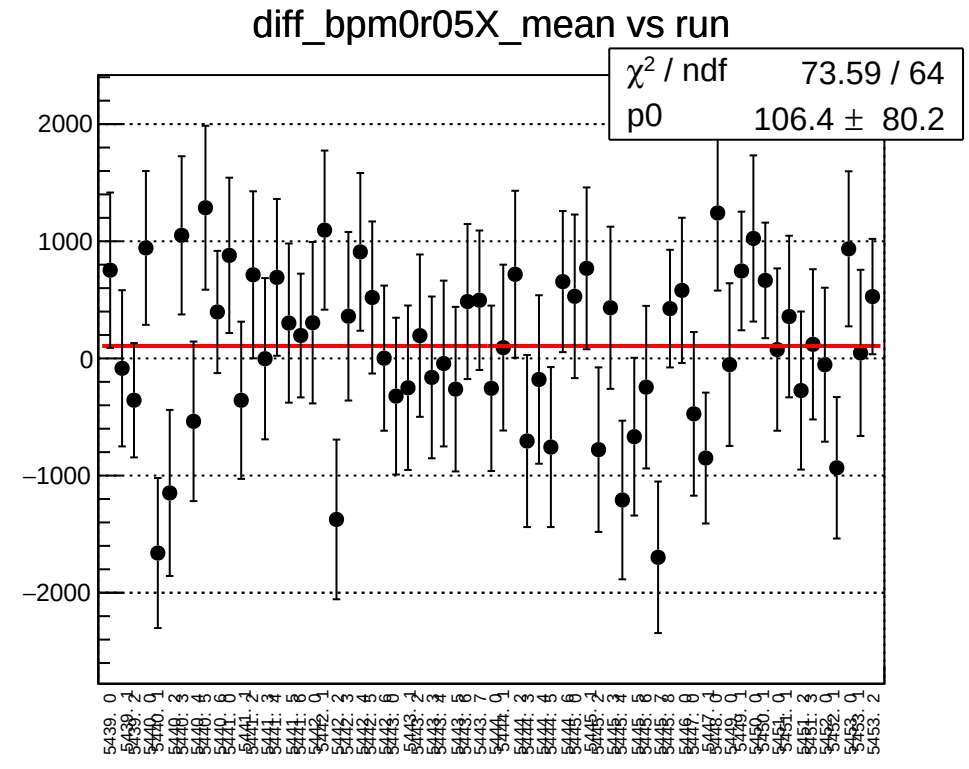

pull1D
Entries 65
Mean 0.01504
Std Dev 1.049

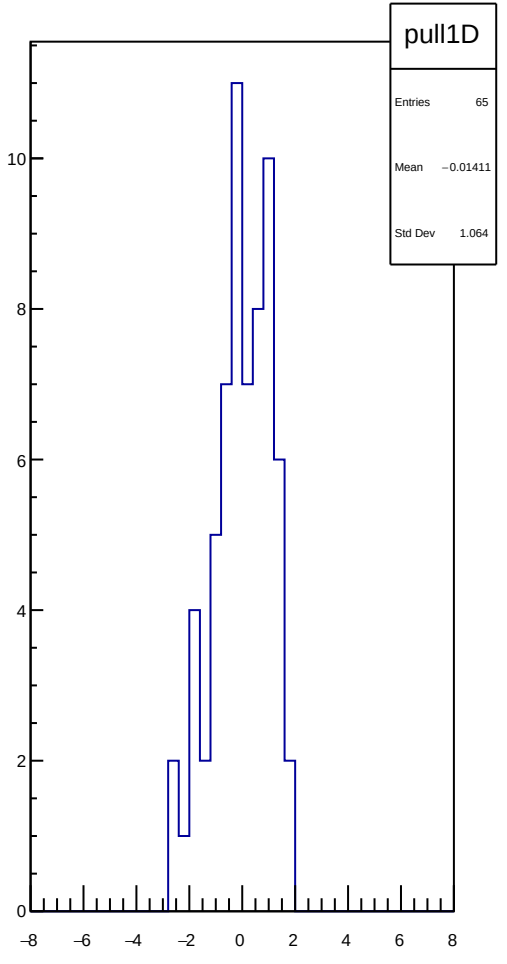

diff_bpm0r03X_rms vs run
χ² / ndf 973.5 / 64
p0 5.346e+04 ± 46.63
58000
57000
56000
55000
54000
53000
52000
51000
50000
49000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 3
5451. 4
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

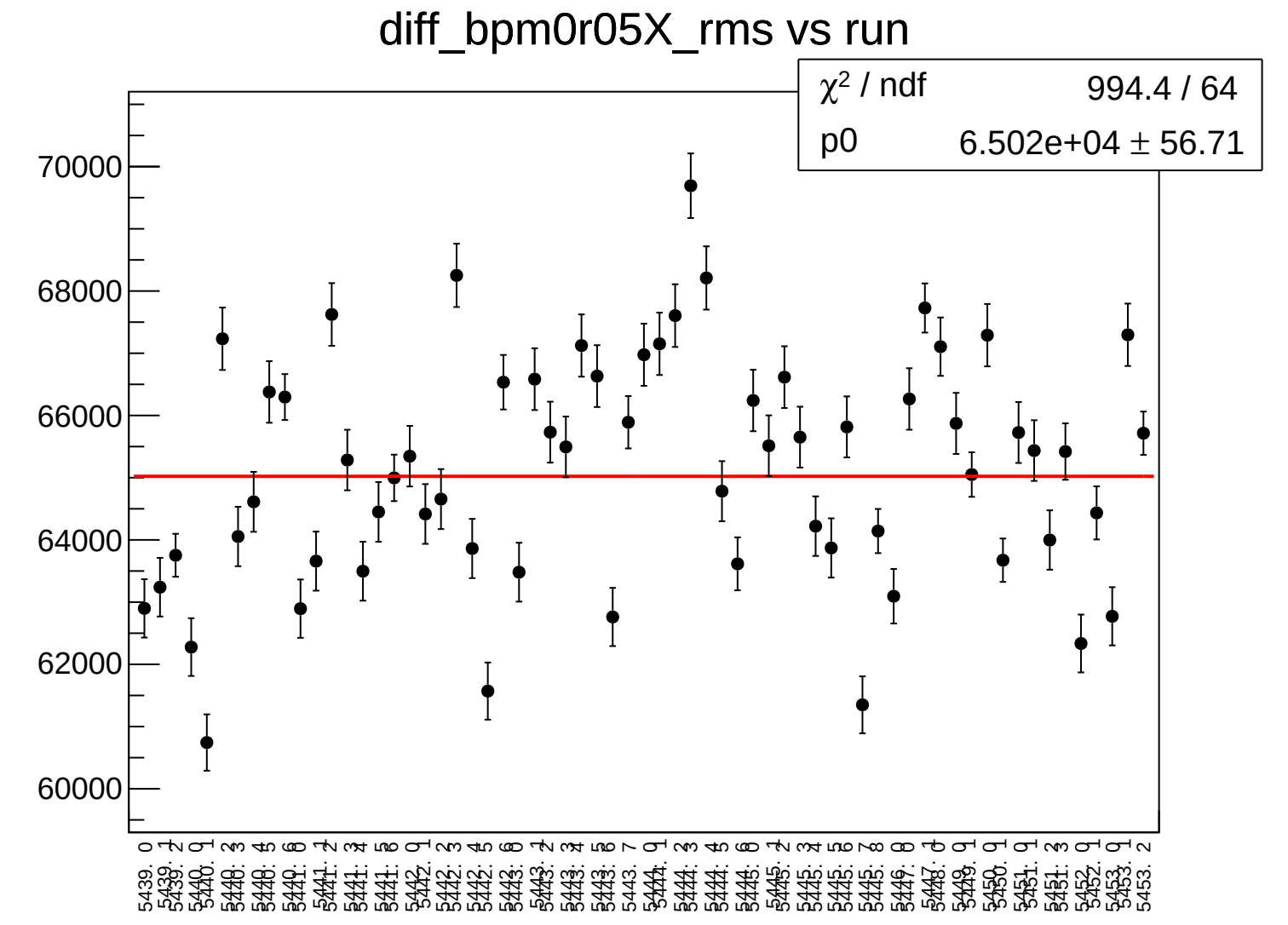

diff_bpm0r03Y_mean vs run
χ² / ndf 82.79 / 64
p0 6.297 ± 1.856
pull
Entries 65
Mean 205.9
Std Dev 0

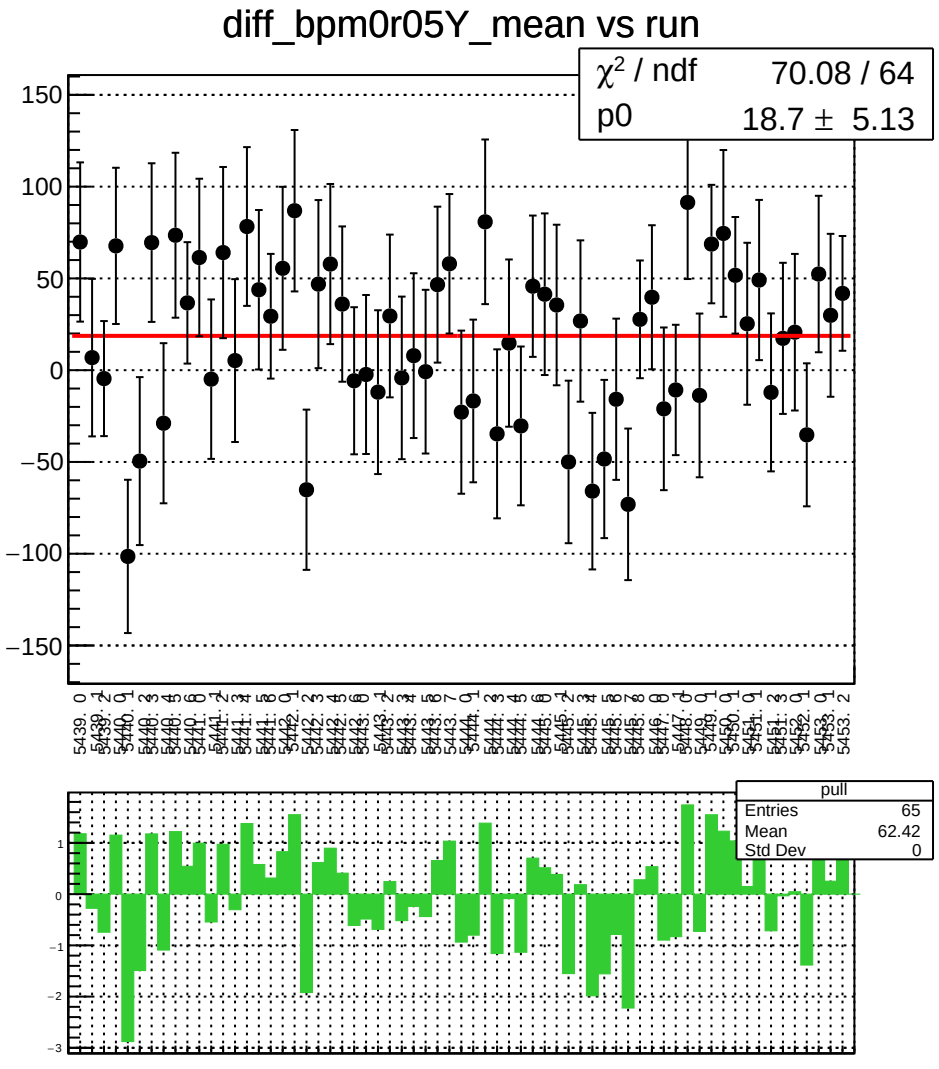

pull1D
Entries 65
Mean −0.0157
Std Dev 1.128

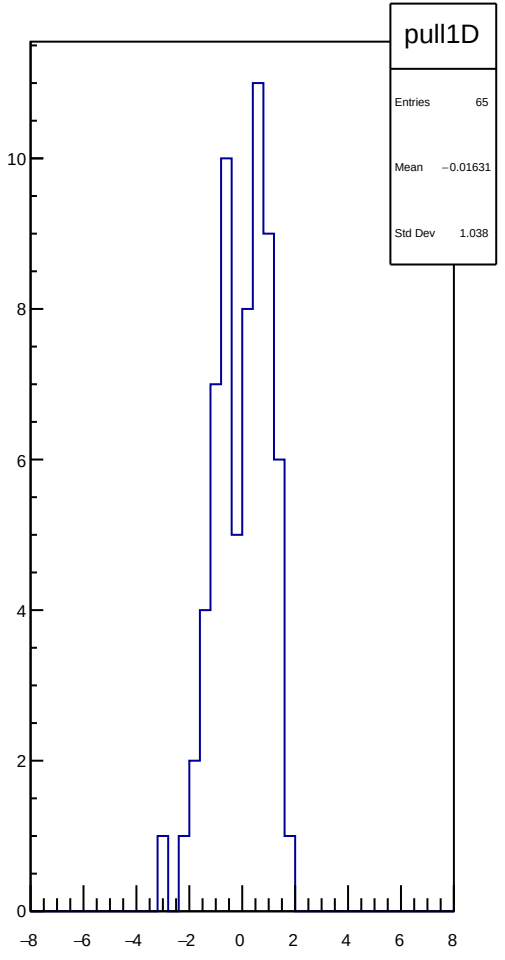

diff_bpm0r03Y_rms vs run
χ² / ndf 807.8 / 64
p0 1505 ± 1.313
1750
1700
1650
1600
1550
1500
1450

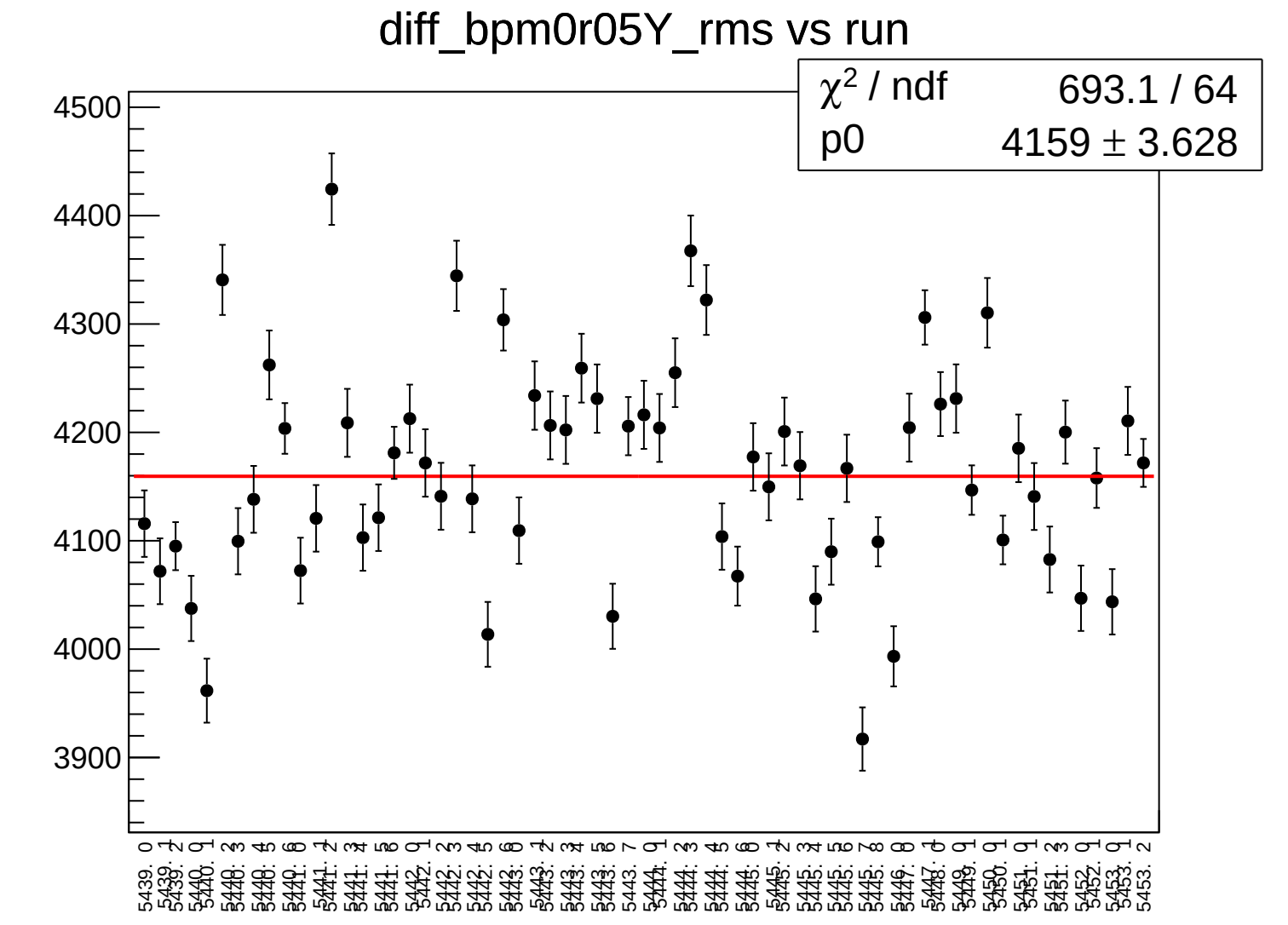

diff_bpm0r05X_mean vs run
χ² / ndf 73.59 / 64
p0 106.4 ± 80.2
2000
1000
0
−1000
−2000
pull
Entries 65
Mean 57.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

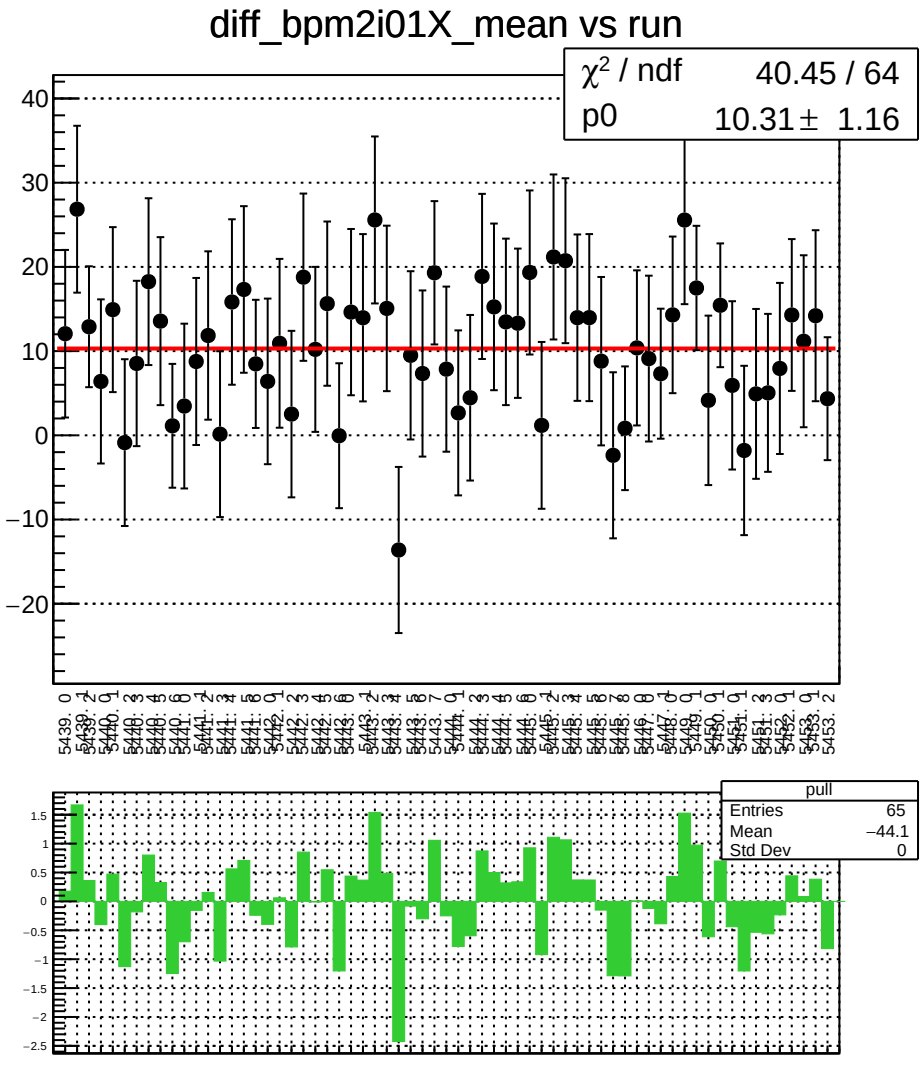

pull1D
Entries 65
Mean −0.01411
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

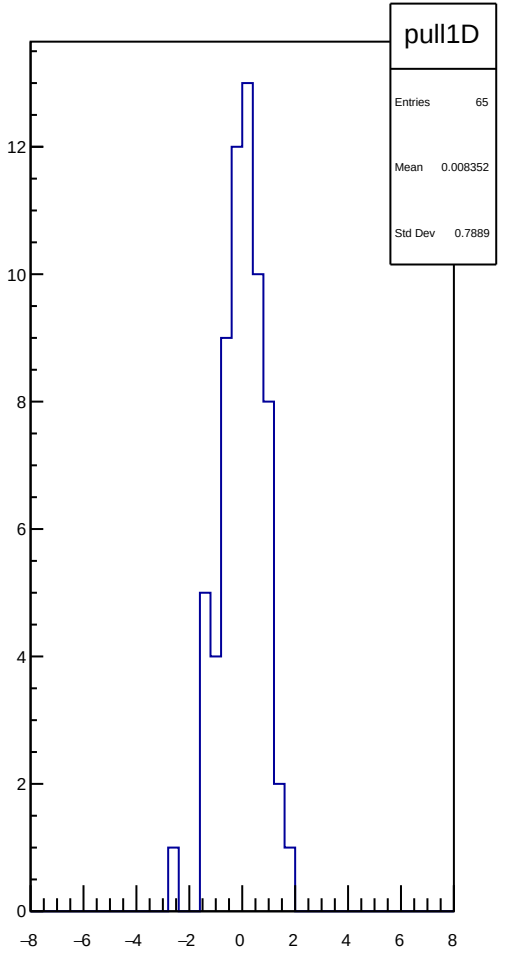

diff_bpm0r05X_rms vs run
χ² / ndf 994.4 / 64
p0 6.502e+04 ± 56.71
70000
68000
66000
64000
62000
60000
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5448. 1
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 3
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

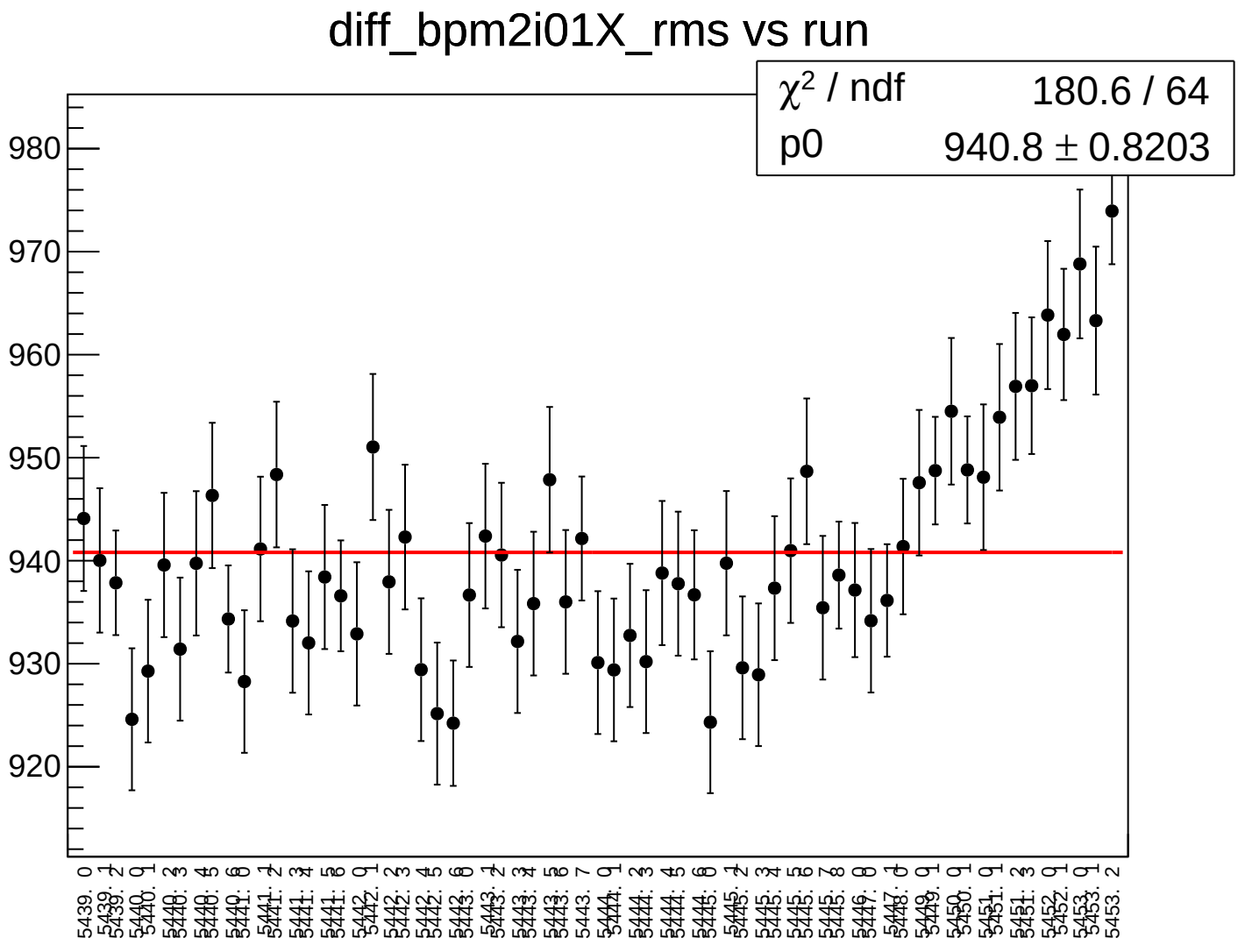

diff_bpm0r05Y_mean vs run
χ² / ndf 70.08 / 64
p0 18.7 ± 5.13
pull
Entries 65
Mean 62.42
Std Dev 0

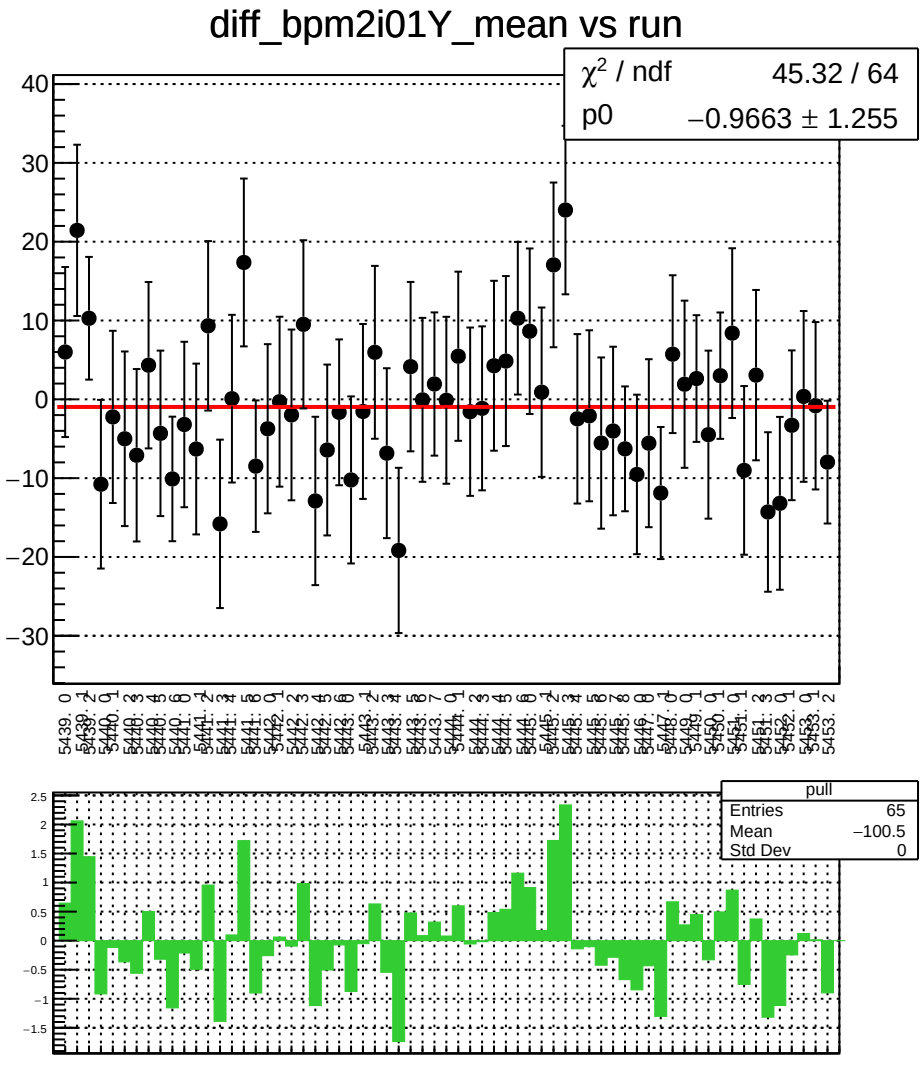

pull1D
Entries 65
Mean −0.01631
Std Dev 1.038

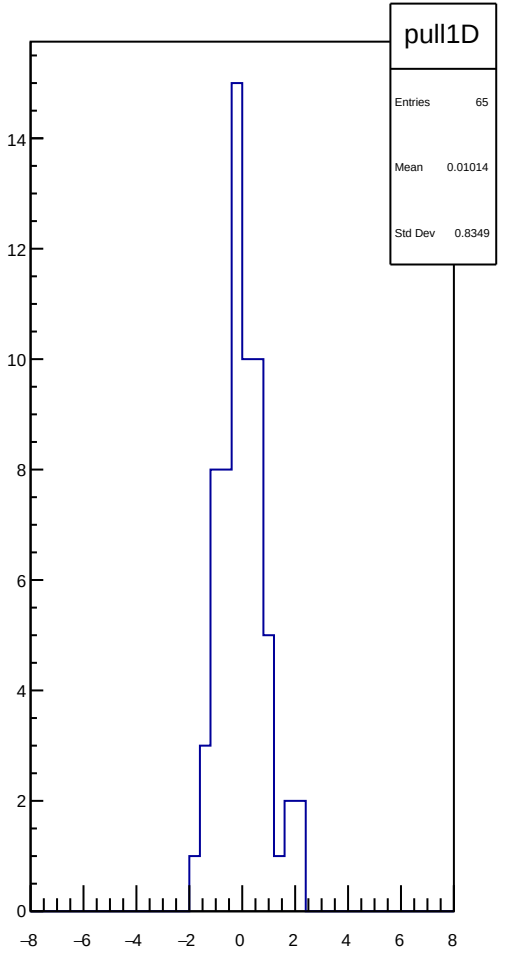

diff_bpm0r05Y_rms vs run
χ² / ndf 693.1 / 64
p0 4159 ± 3.628
4500
4400
4300
4200
4100
4000
3900

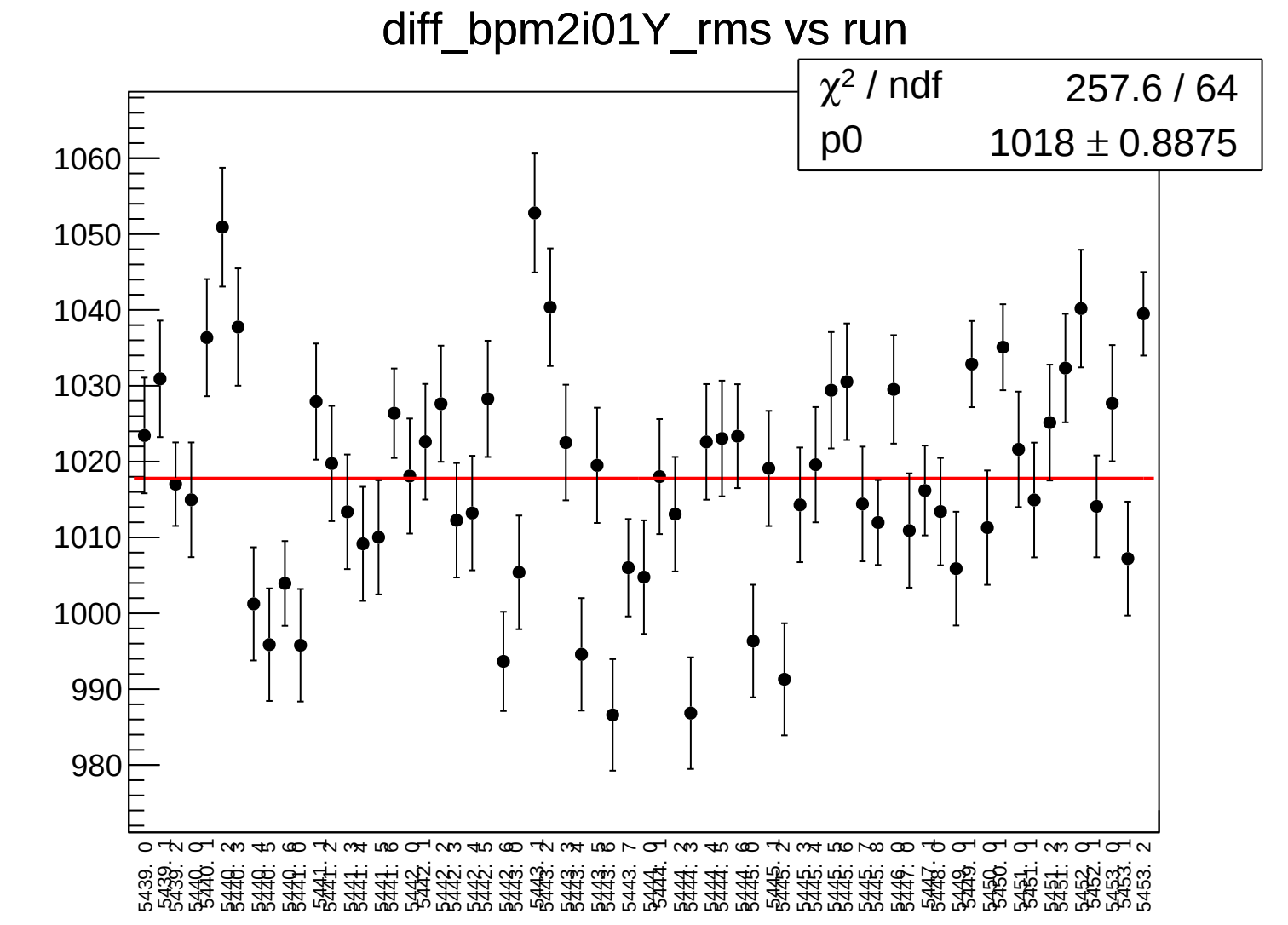

diff_bpm2i01X_mean vs run
χ² / ndf 40.45 / 64
p0 10.31 ± 1.16
pull
Entries 65
Mean −44.1
Std Dev 0

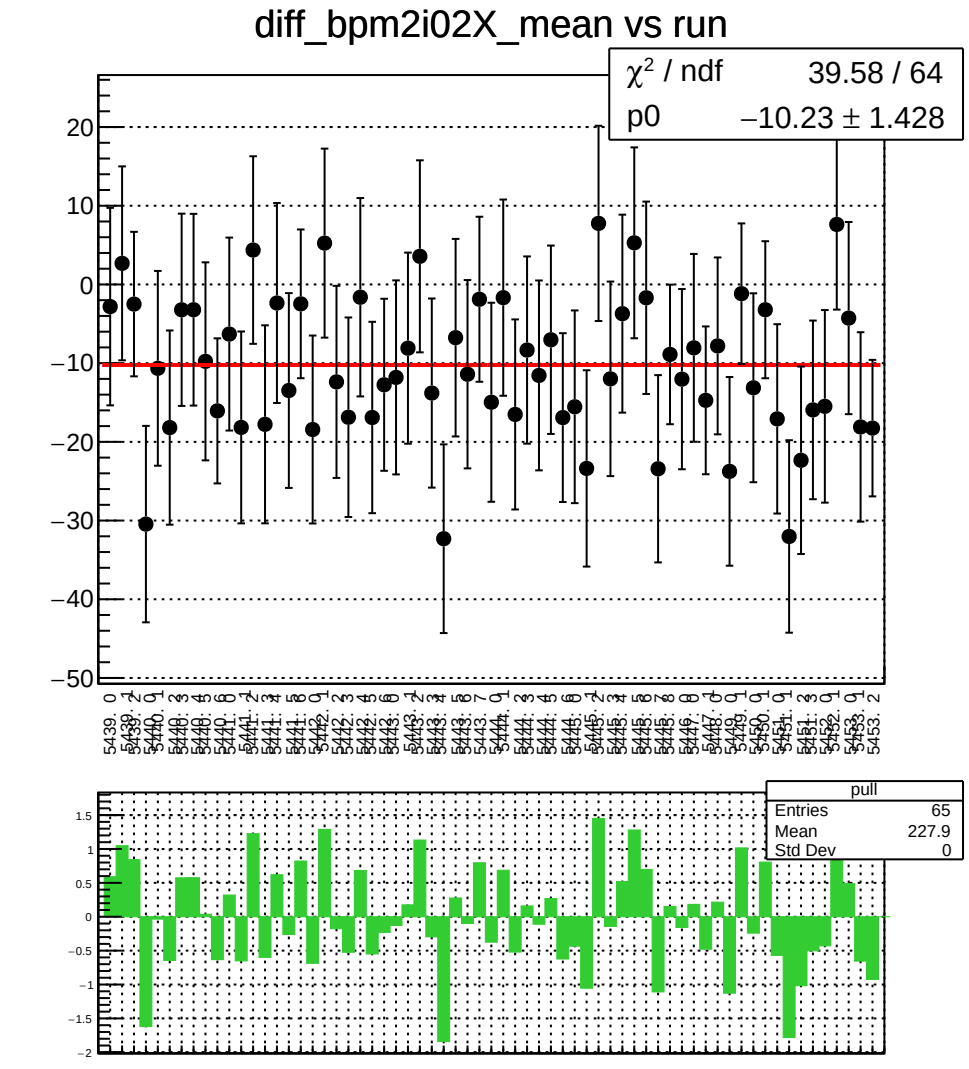

pull1D
Entries 65
Mean 0.008352
Std Dev 0.7889

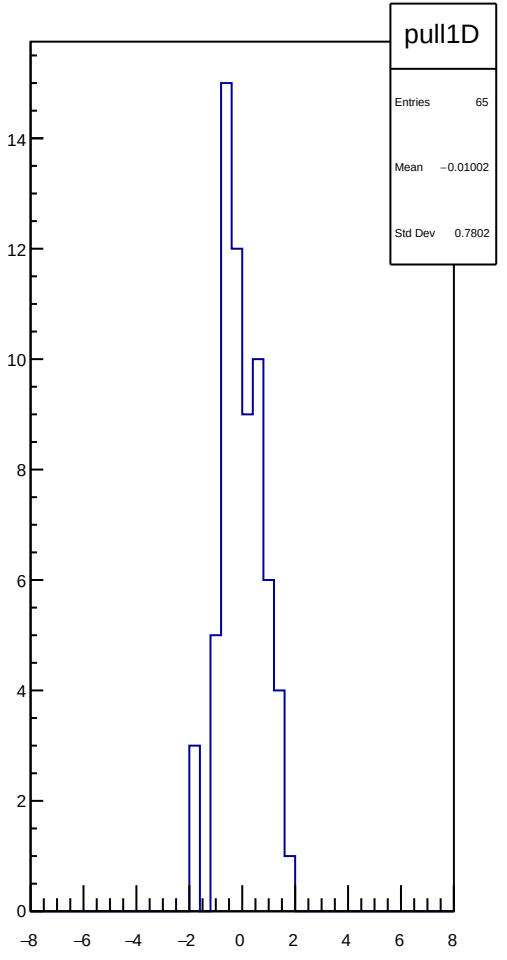

diff_bpm2i01X_rms vs run
χ² / ndf 180.6 / 64
p0 940.8 ± 0.8203
980
970
960
950
940
930
920

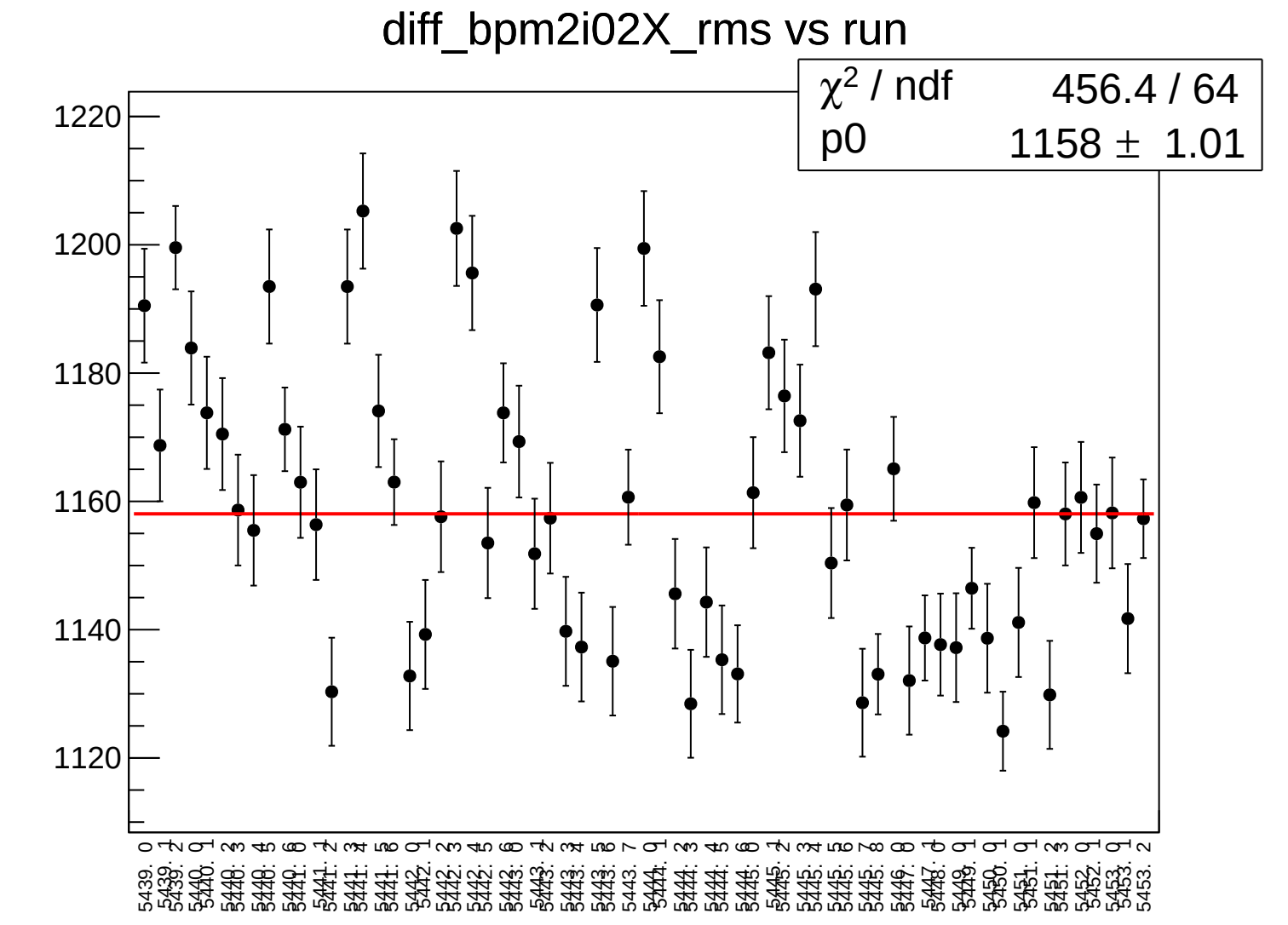

diff_bpm2i01Y_mean vs run
χ² / ndf 45.32 / 64
p0 −0.9663 ± 1.255
pull
Entries 65
Mean −100.5
Std Dev 0

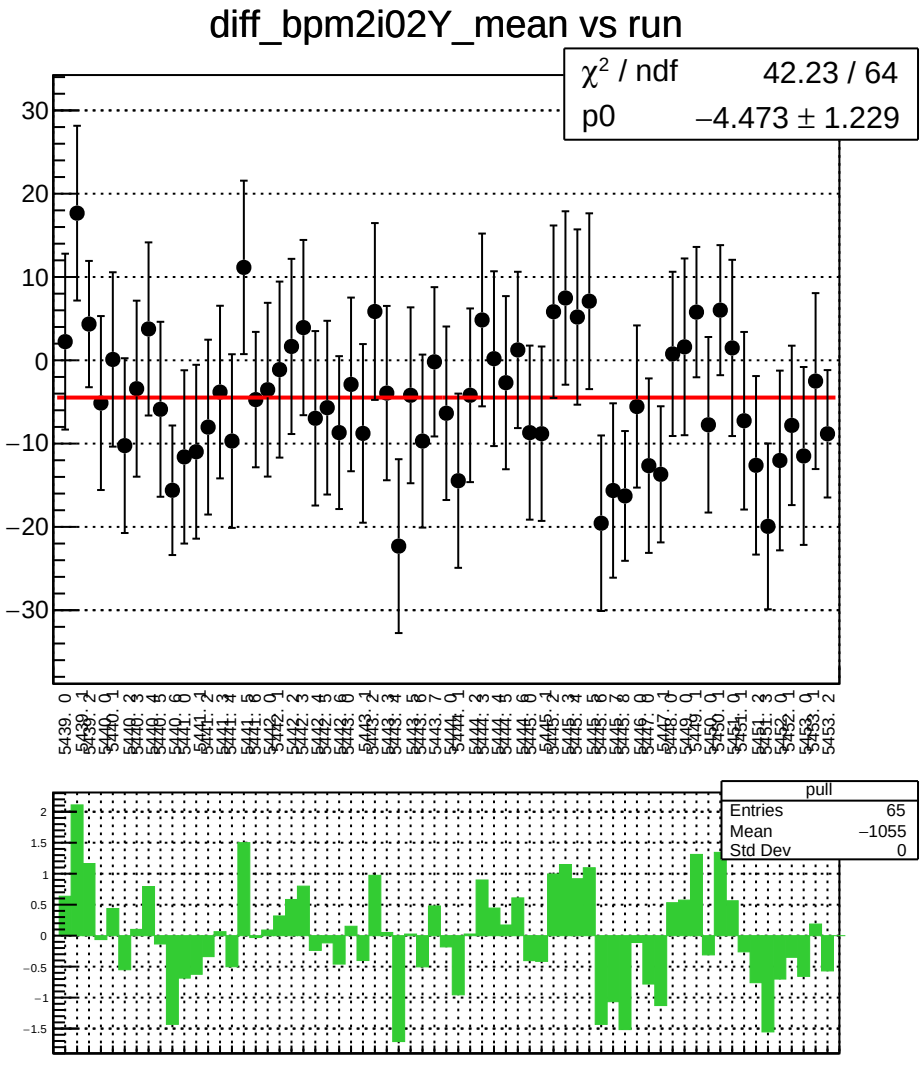

pull1D
Entries 65
Mean 0.01014
Std Dev 0.8349

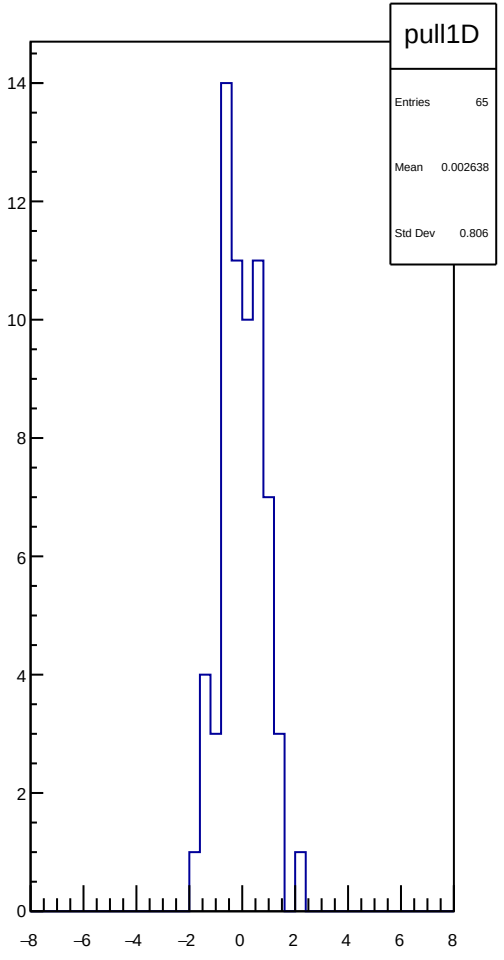

diff_bpm2i01Y_rms vs run
χ² / ndf 257.6 / 64
p0 1018 ± 0.8875
1060
1050
1040
1030
1020
1010
1000
990
980

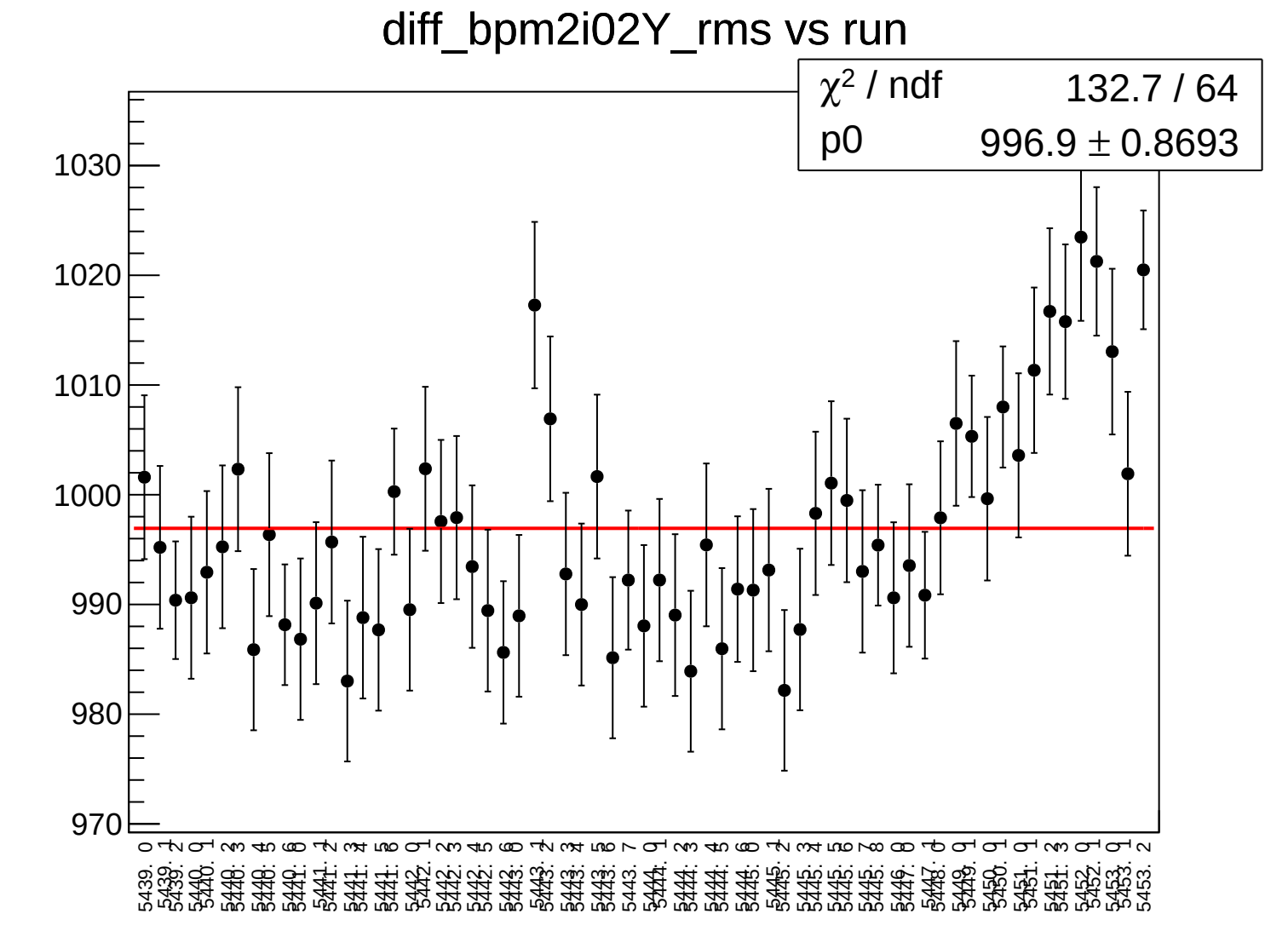

diff_bpm2i02X_mean vs run
χ² / ndf 39.58 / 64
p0 −10.23 ± 1.428
pull
Entries 65
Mean 227.9
Std Dev 0

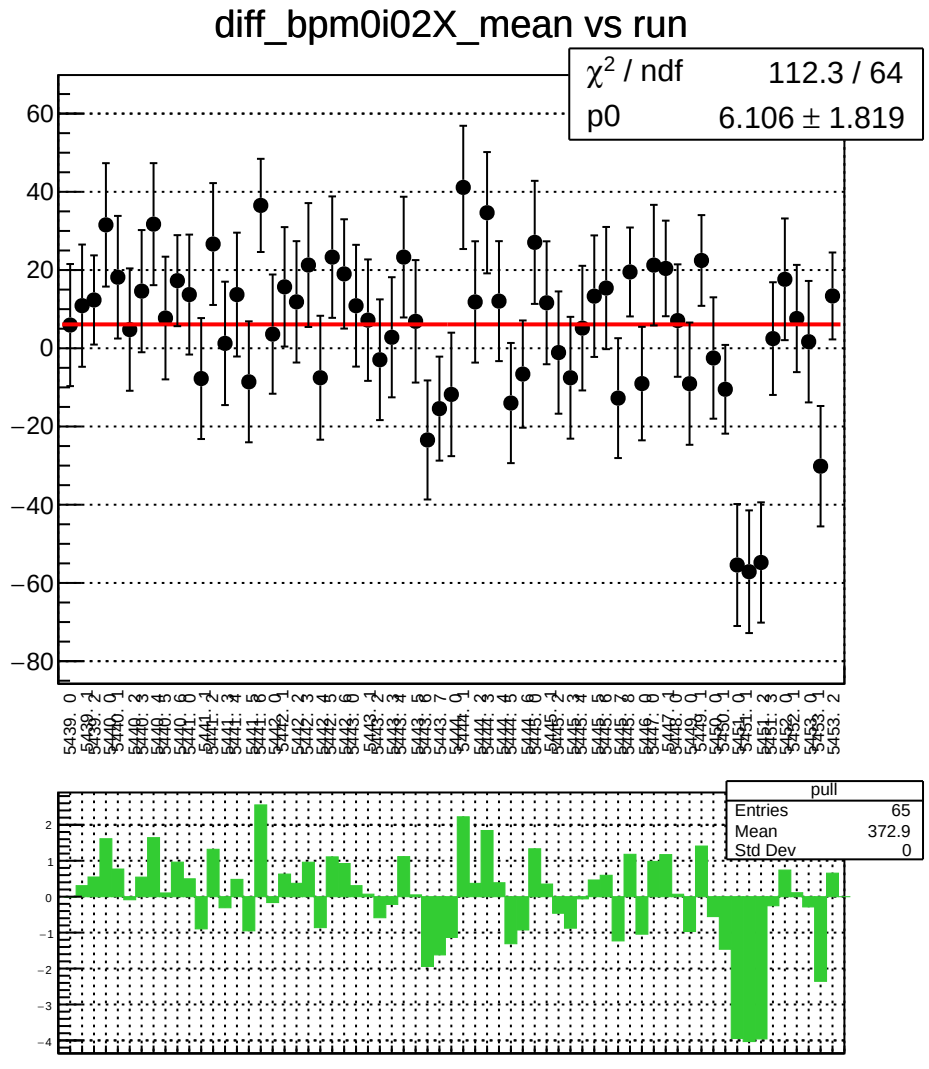

pull1D
Entries 65
Mean −0.01002
Std Dev 0.7802

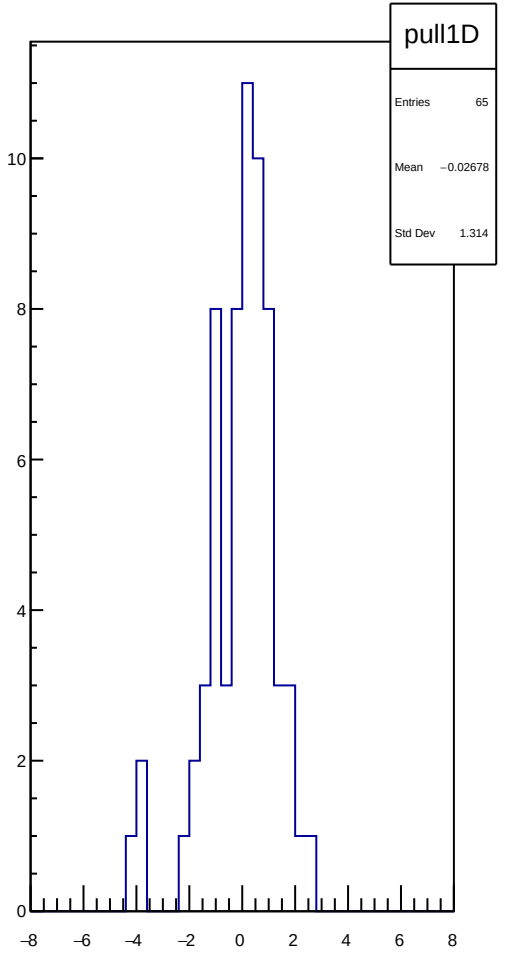

diff_bpm2i02X_rms vs run
χ² / ndf 456.4 / 64
p0 1158 ± 1.01
1220
1200
1180
1160
1140
1120

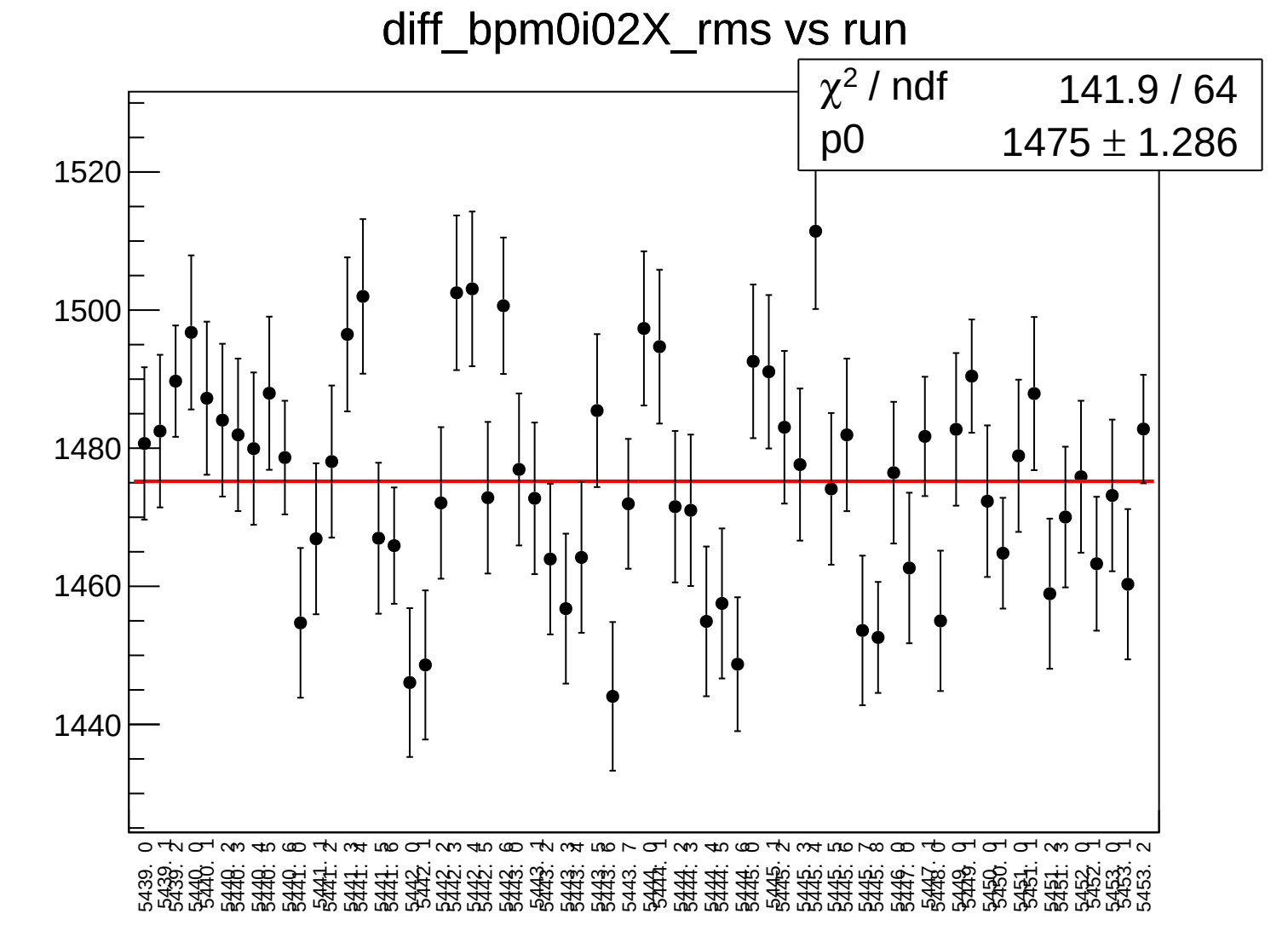

diff_bpm2i02Y_mean vs run
χ² / ndf 42.23 / 64
p0 −4.473 ± 1.229
pull
Entries 65
Mean −1055
Std Dev 0

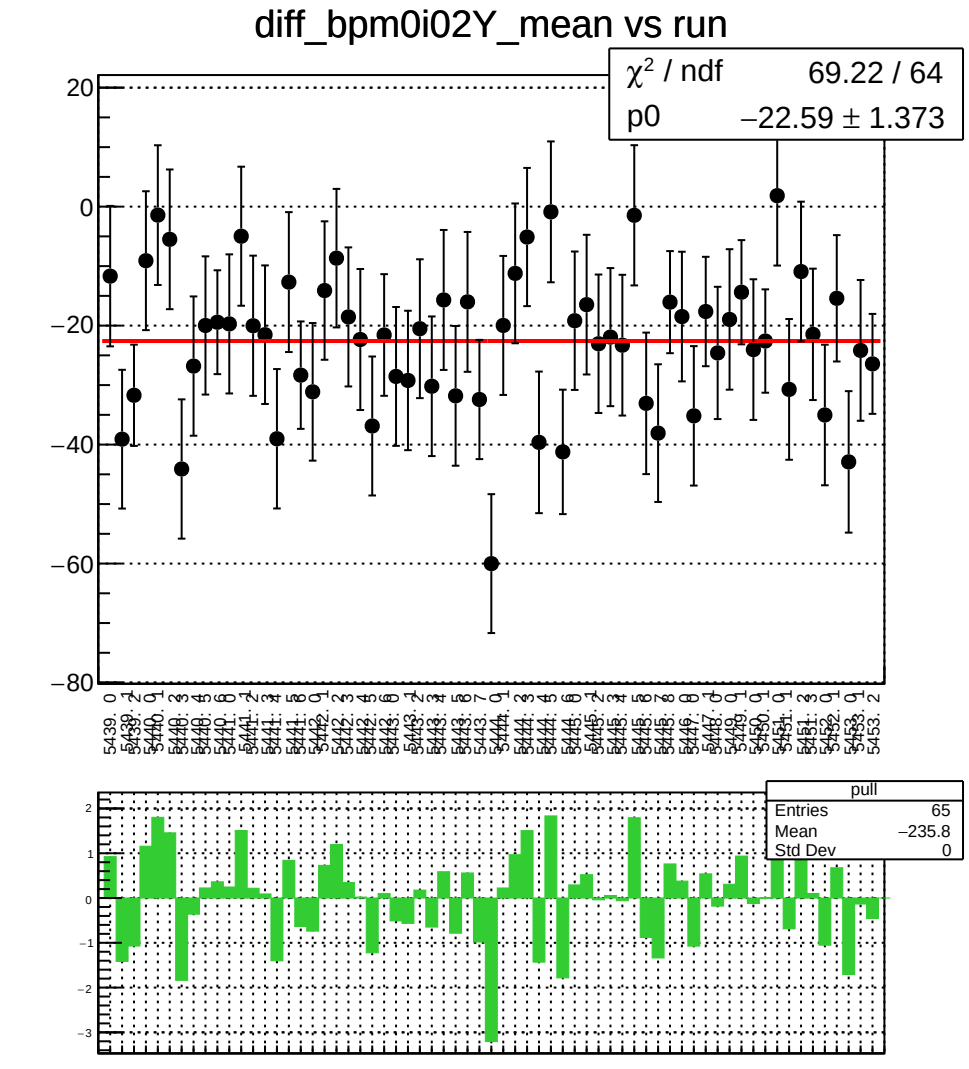

pull1D
Entries 65
Mean 0.002638
Std Dev 0.806

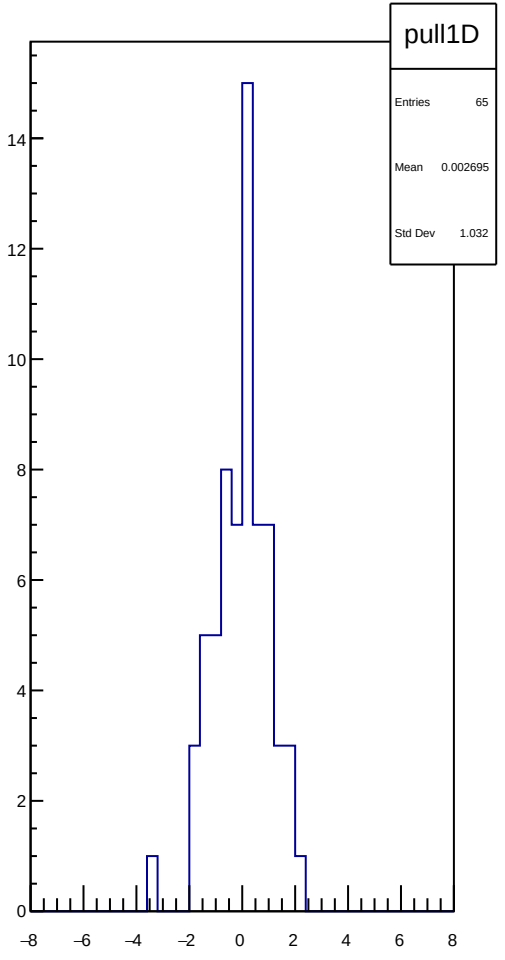

diff_bpm2i02Y_rms vs run
χ² / ndf 132.7 / 64
p0 996.9 ± 0.8693
1030
1020
1010
1000
990
980
970

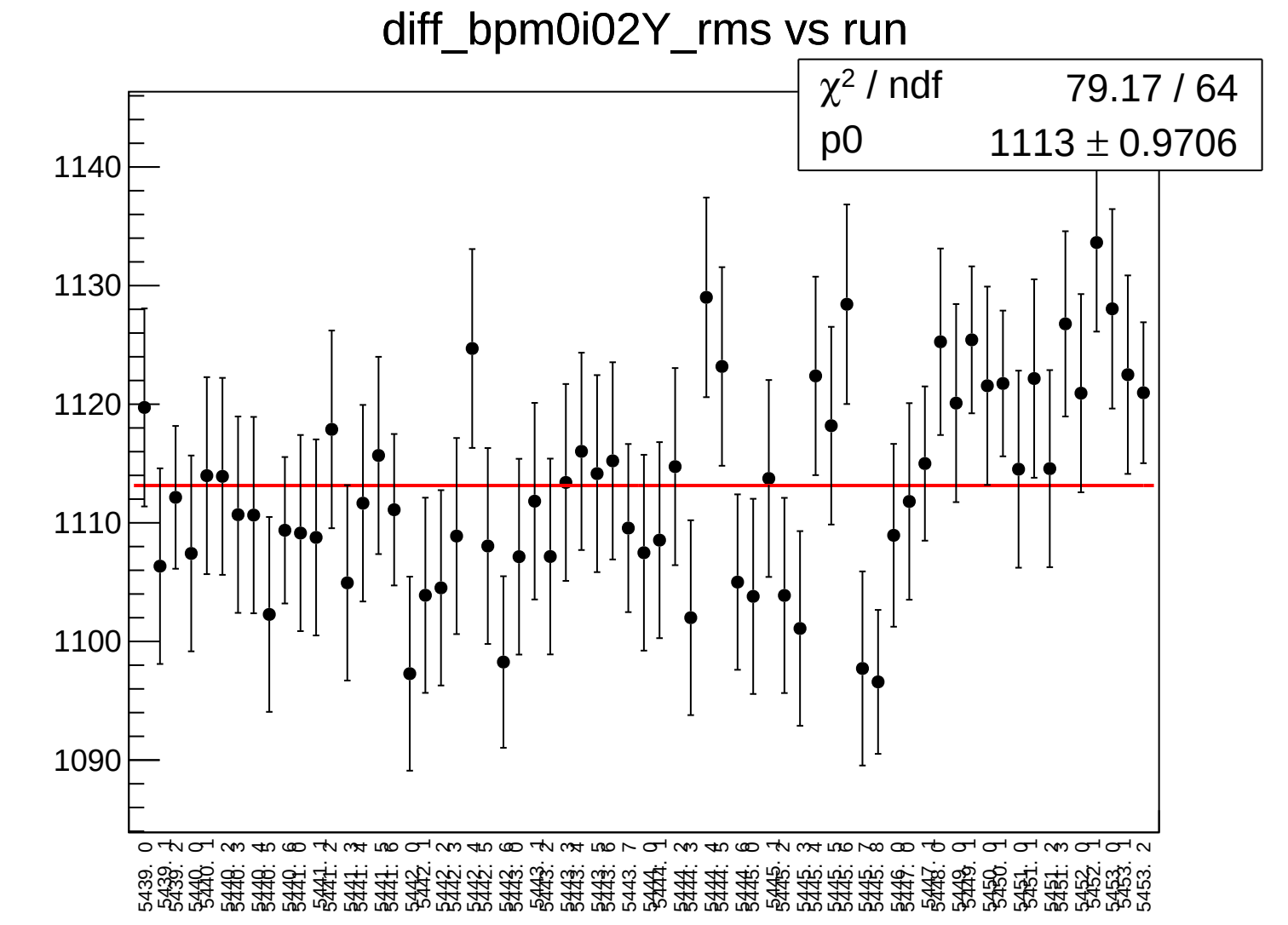

diff_bpm0i02X_mean vs run
χ^2 / ndf 112.3 / 64
p0 6.106 ± 1.819
pull
Entries 65
Mean 372.9
Std Dev 0

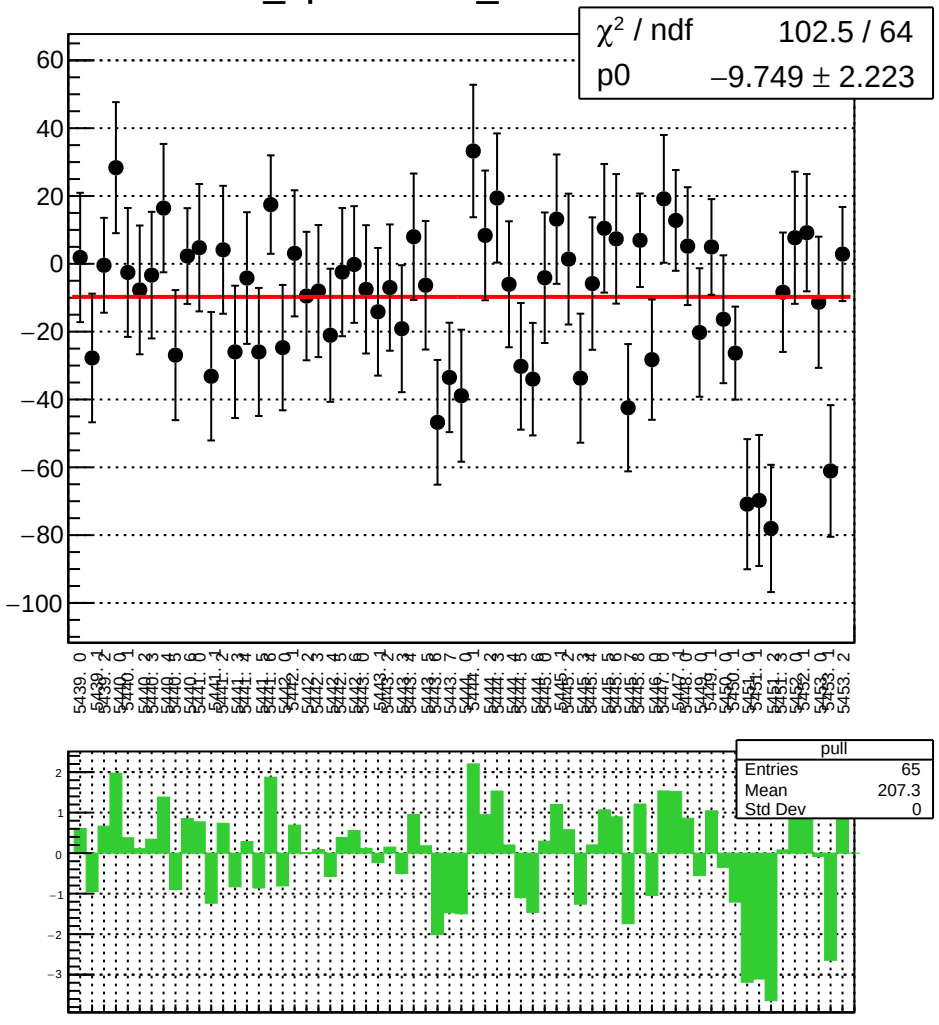

pull1D
Entries 65
Mean −0.02678
Std Dev 1.314

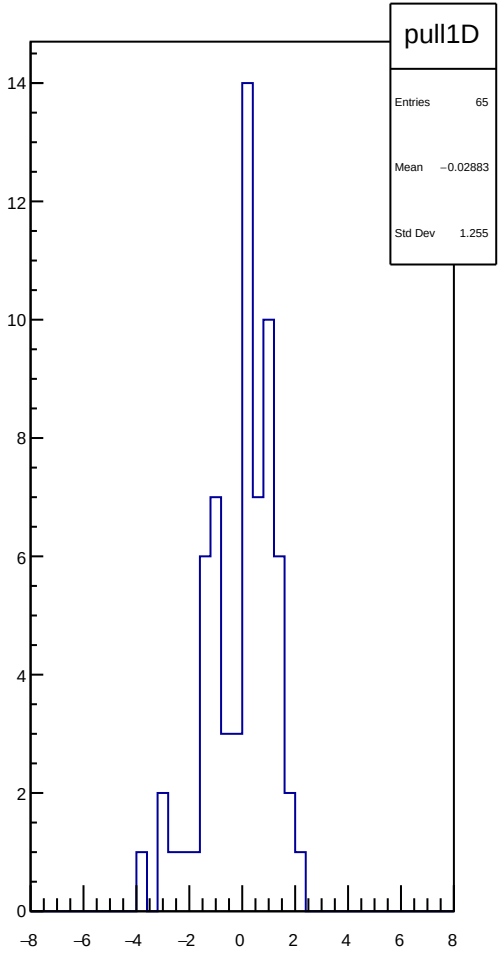

diff_bpm0i02X_rms vs run
χ² / ndf 141.9 / 64
p0 1475 ± 1.286
1520
1500
1480
1460
1440
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

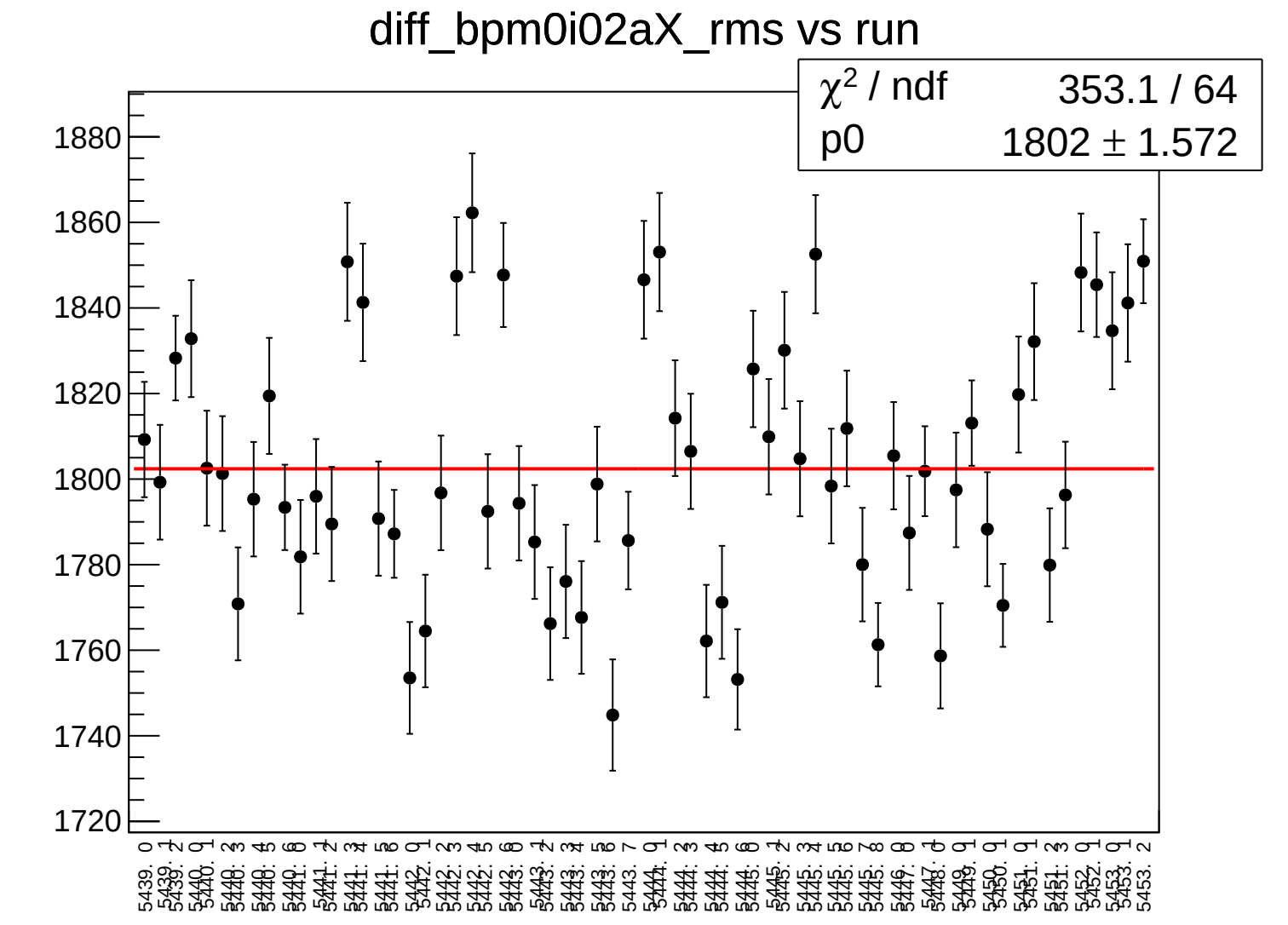

diff_bpm0i02Y_mean vs run
χ² / ndf 69.22 / 64
p0 −22.59 ± 1.373
pull
Entries 65
Mean −235.8
Std Dev 0

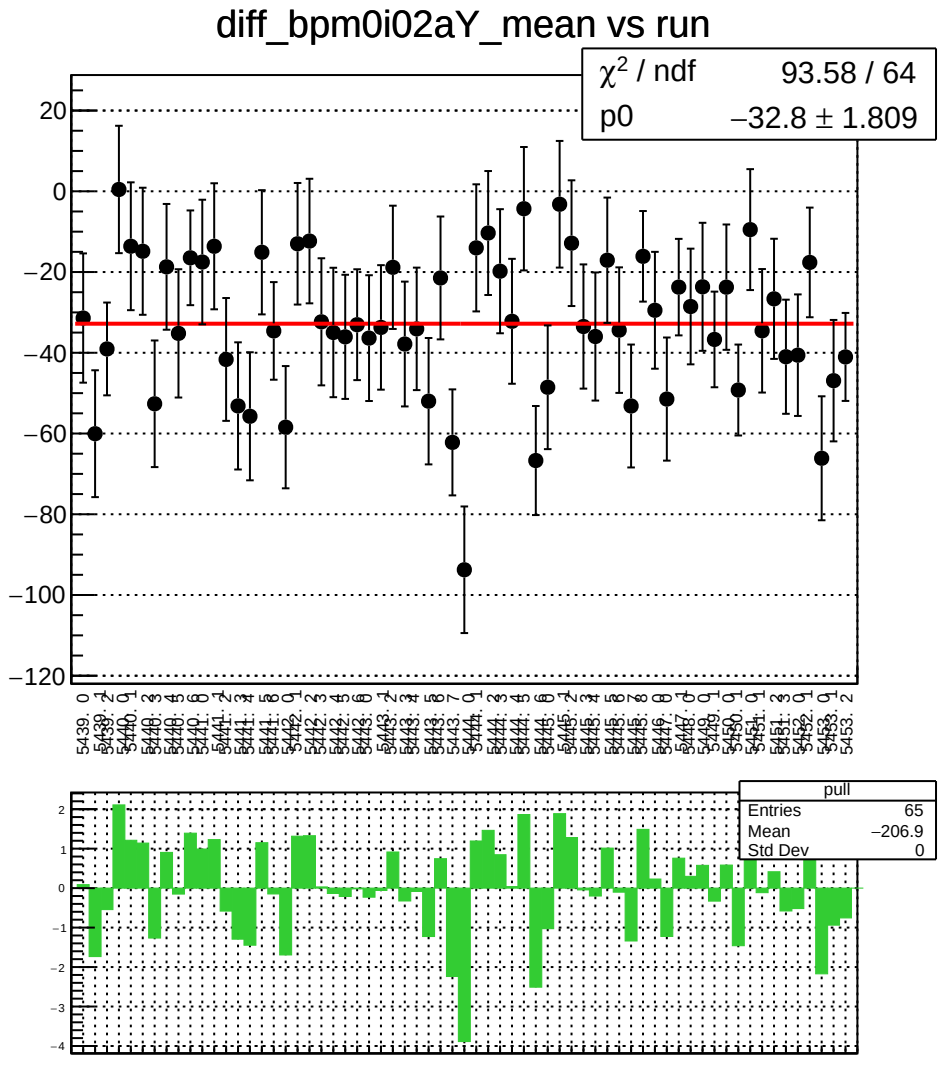

pull1D
Entries 65
Mean 0.002695
Std Dev 1.032

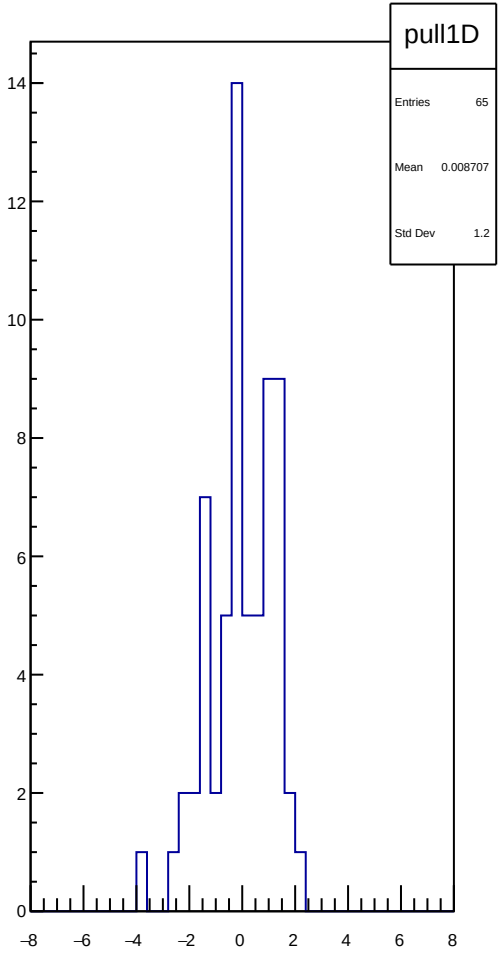

diff_bpm0i02Y_rms vs run
χ² / ndf 79.17 / 64
p0 1113 ± 0.9706
1140
1130
1120
1110
1100
1090

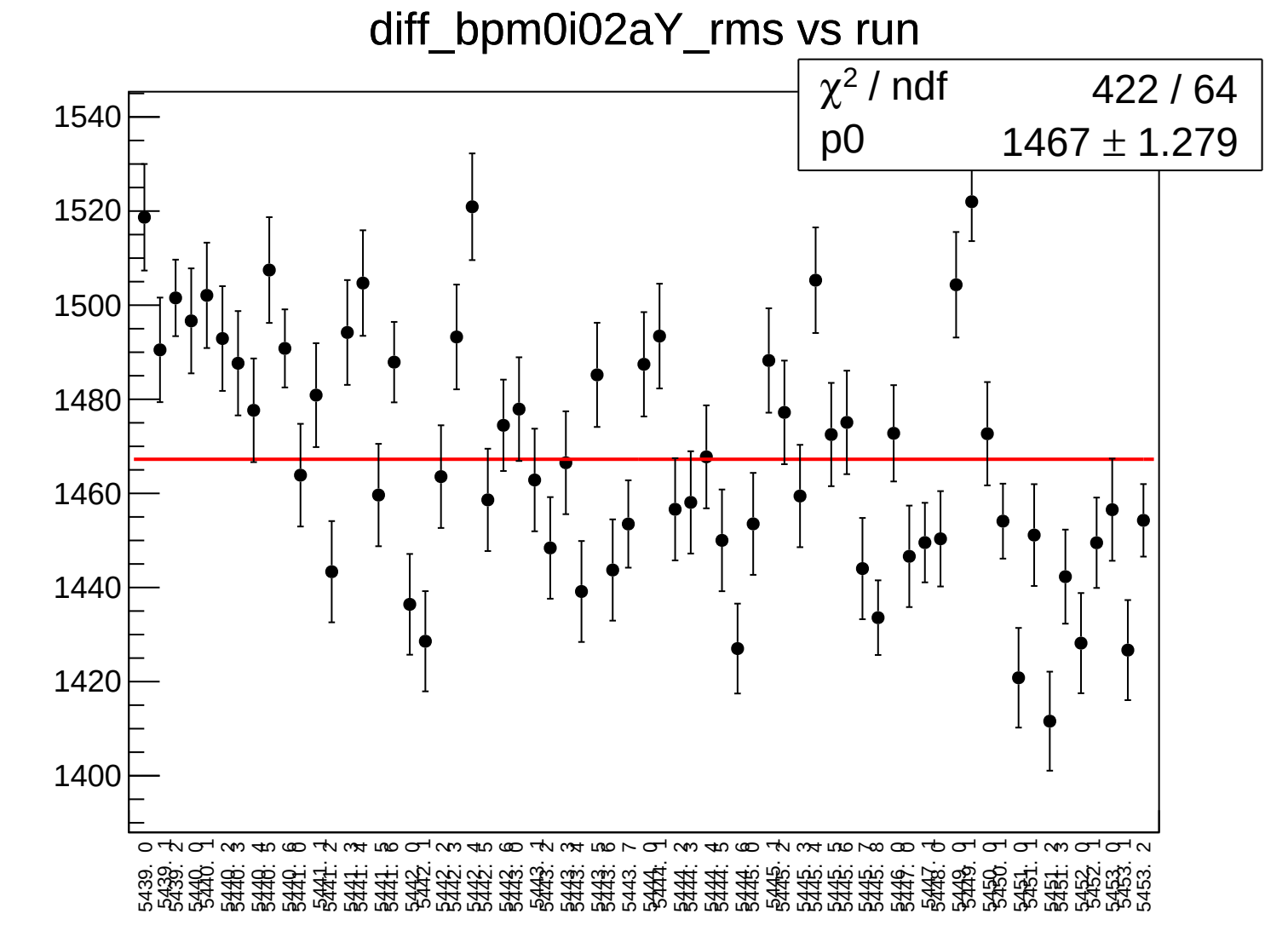

diff_bpm0i02aX_mean vs run
χ² / ndf 102.5 / 64
p0 −9.749 ± 2.223
pull
Entries 65
Mean 207.3
Std Dev 0

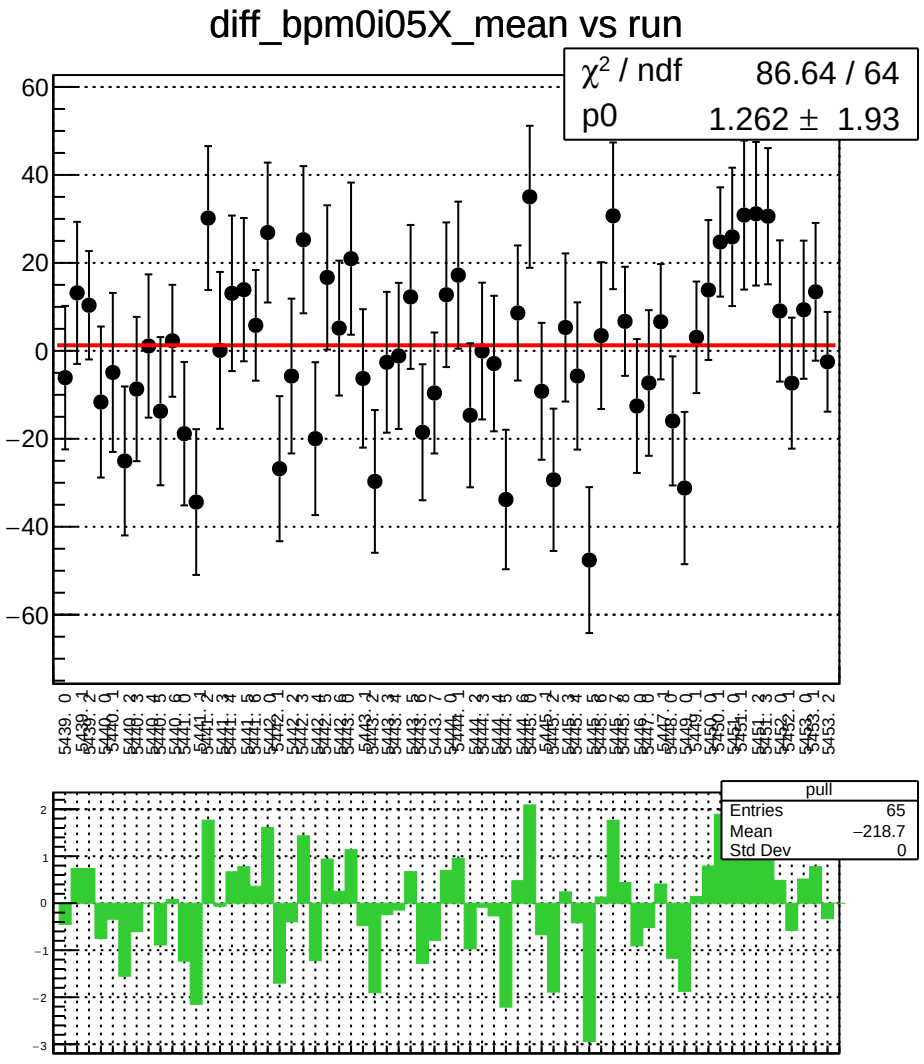

pull1D
Entries 65
Mean −0.02883
Std Dev 1.255

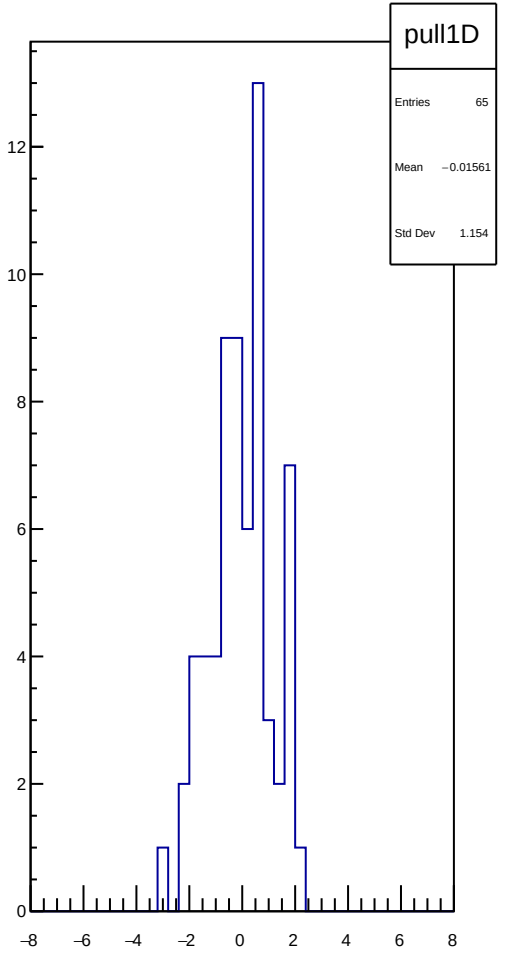

diff_bpm0i02aX_rms vs run
χ² / ndf 353.1 / 64
p0 1802 ± 1.572
1880
1860
1840
1820
1800
1780
1760
1740
1720
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 3
5444. 4
5444. 5
5444. 6
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

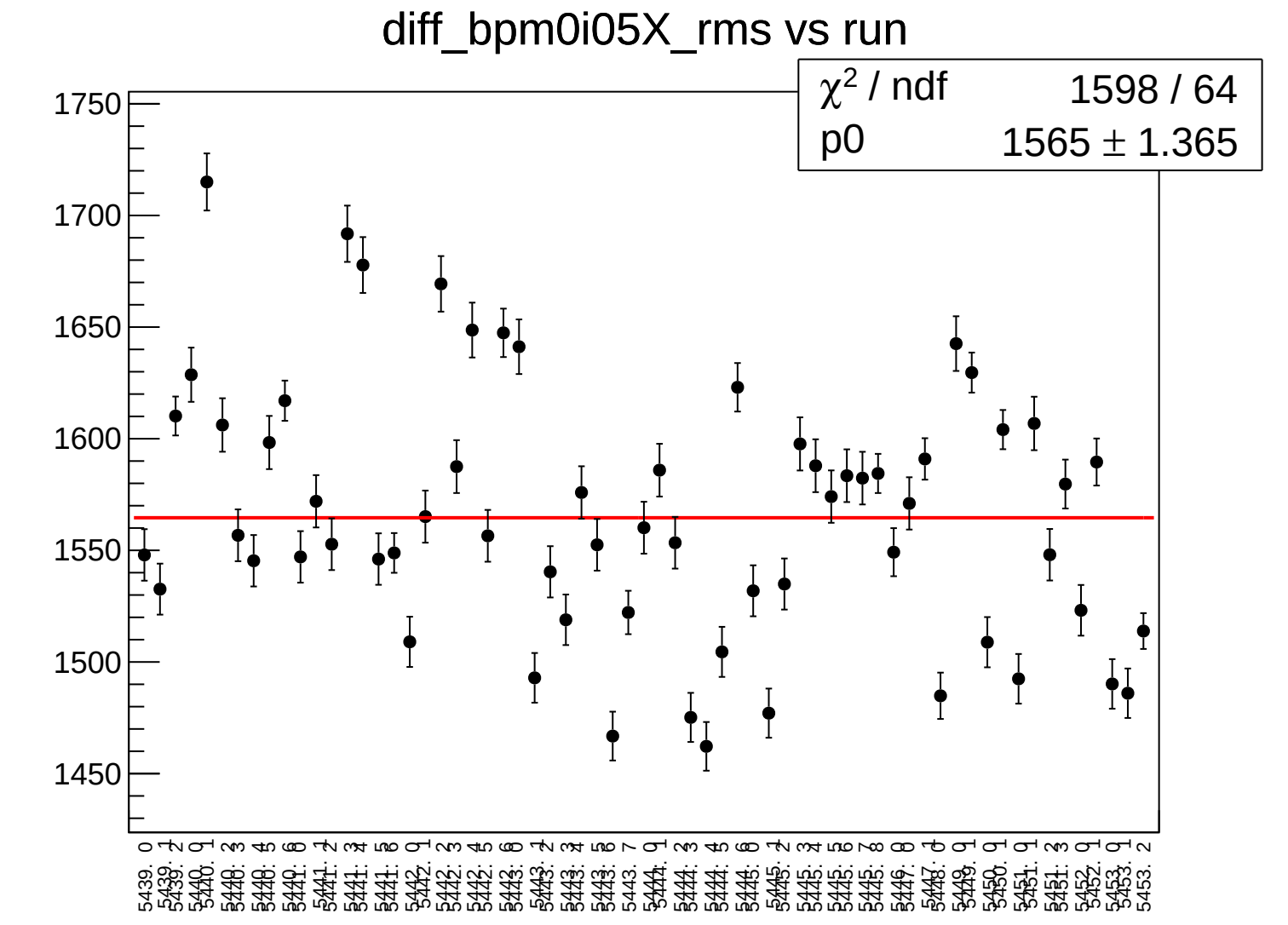

diff_bpm0i02aY_mean vs run
χ² / ndf 93.58 / 64
p0 −32.8 ± 1.809
pull
Entries 65
Mean −206.9
Std Dev 0

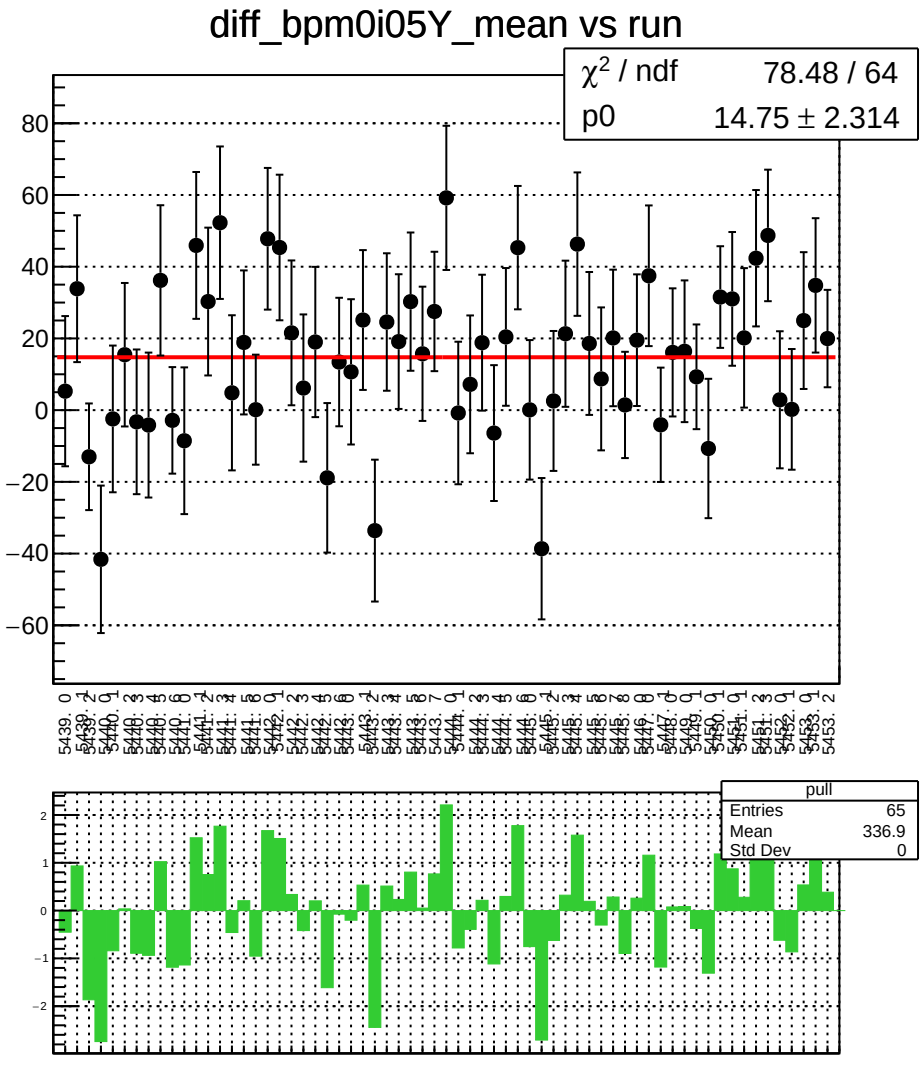

pull1D
Entries 65
Mean 0.008707
Std Dev 1.2

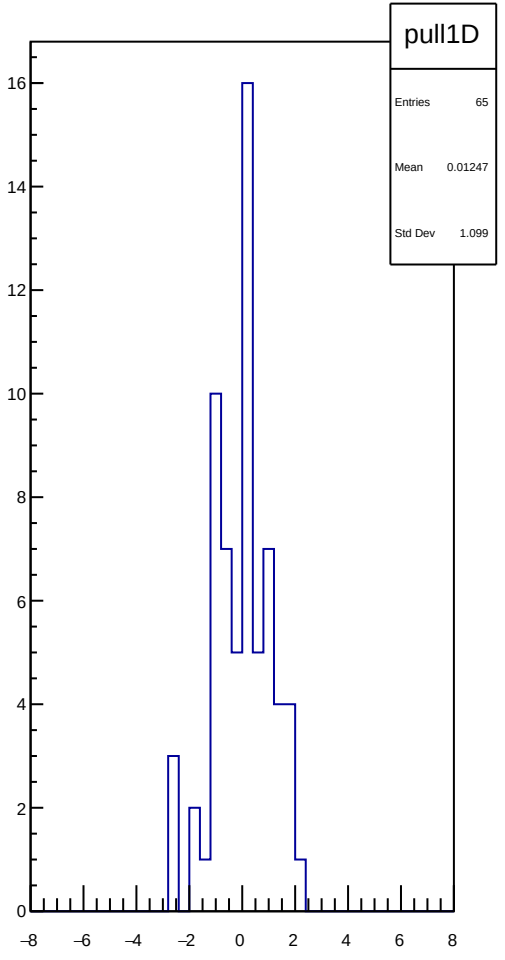

diff_bpm0i02aY_rms vs run
χ² / ndf 422 / 64
p0 1467 ± 1.279
1540
1520
1500
1480
1460
1440
1420
1400

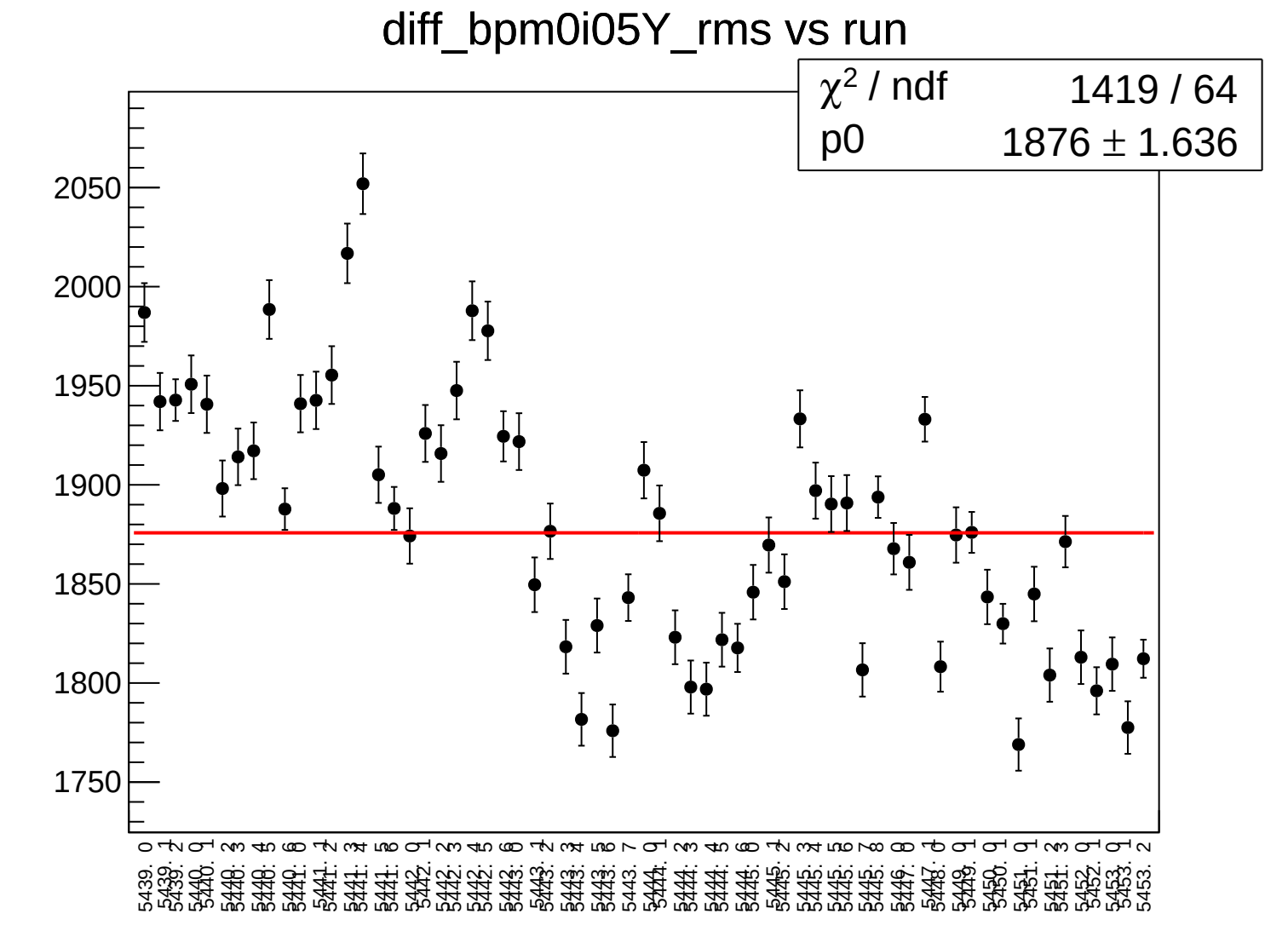

diff_bpm0i05X_mean vs run
χ² / ndf 86.64 / 64
p0 1.262 ± 1.93
pull
Entries 65
Mean −218.7
Std Dev 0

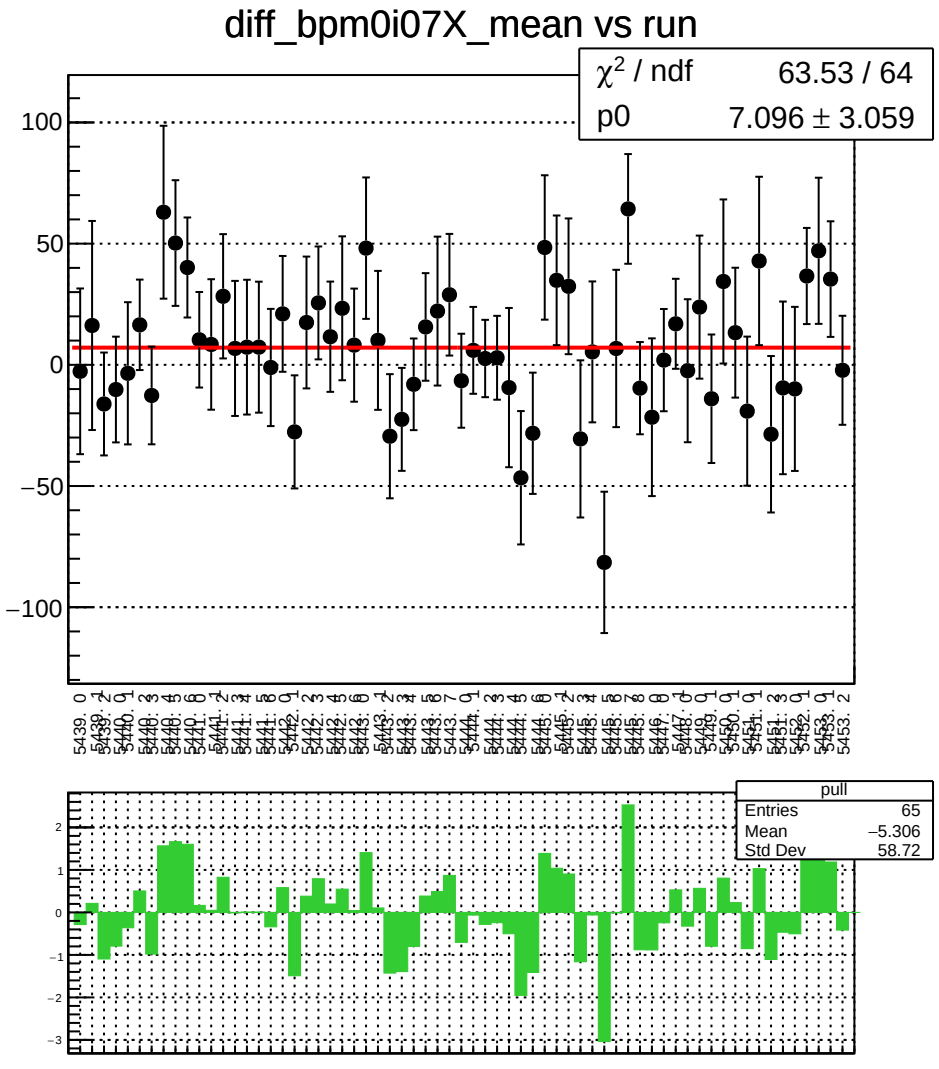

pull1D
Entries 65
Mean −0.01561
Std Dev 1.154

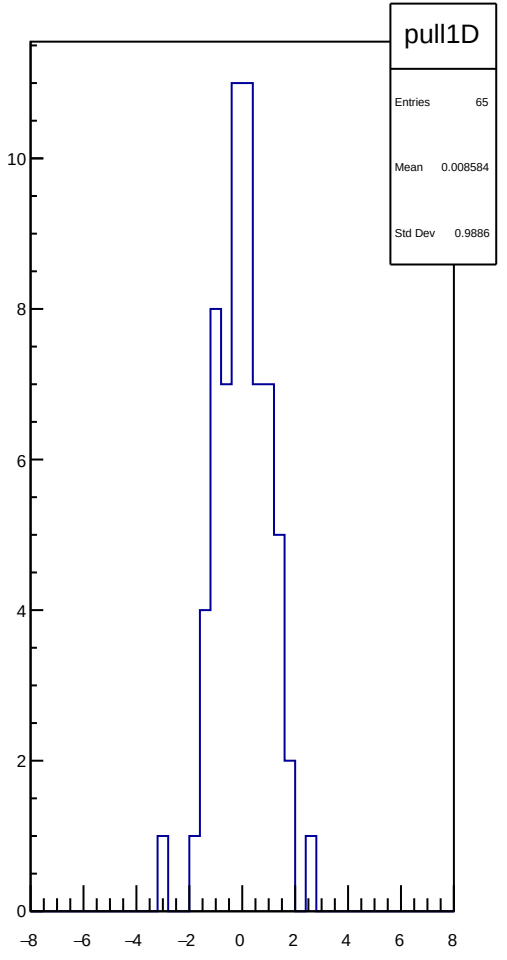

diff_bpm0i05X_rms vs run
χ² / ndf 1598 / 64
p0 1565 ± 1.365
1750
1700
1650
1600
1550
1500
1450

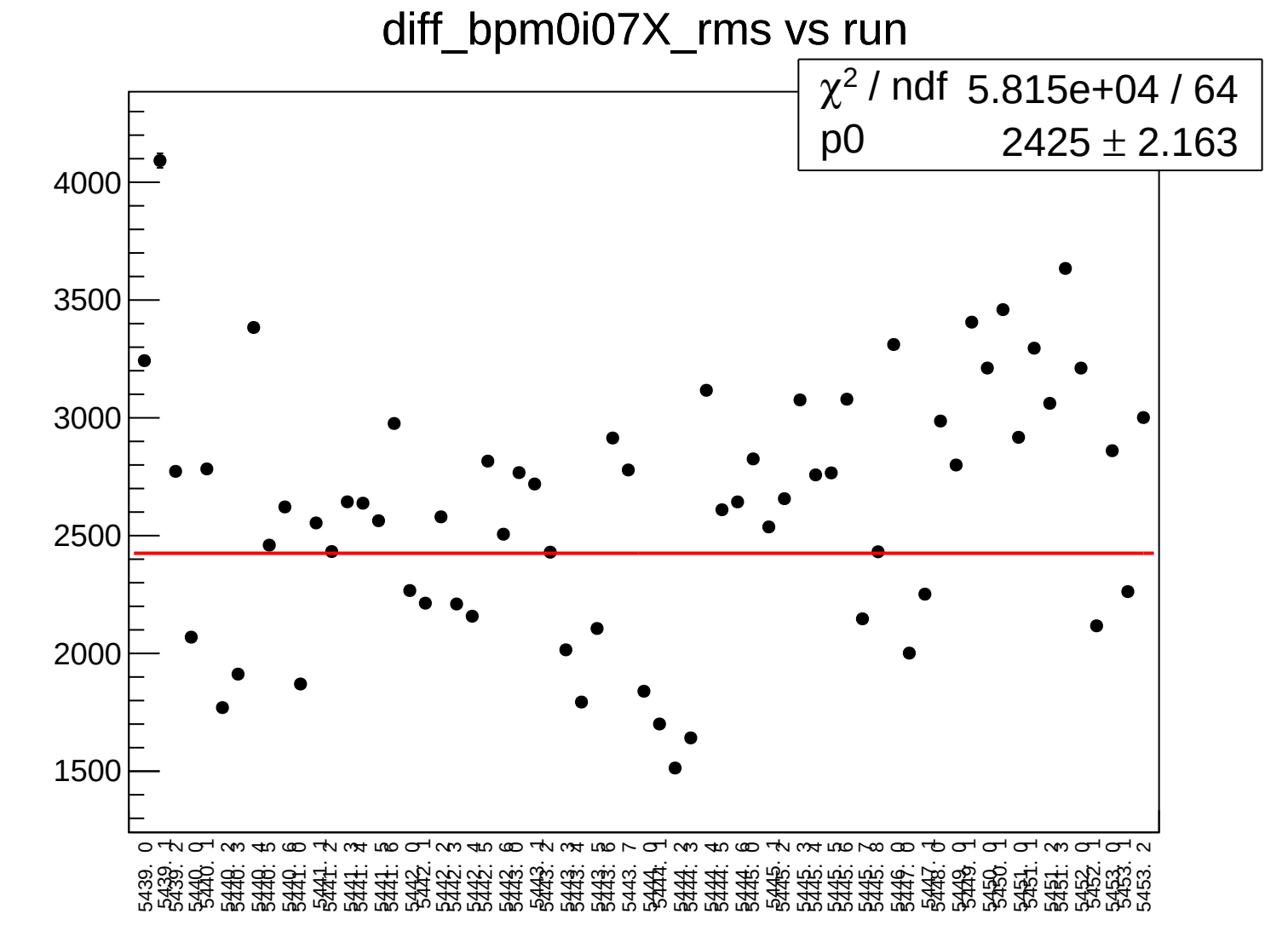

diff_bpm0i05Y_mean vs run
χ^2 / ndf 78.48 / 64
p0 14.75 ± 2.314
pull
Entries 65
Mean 336.9
Std Dev 0

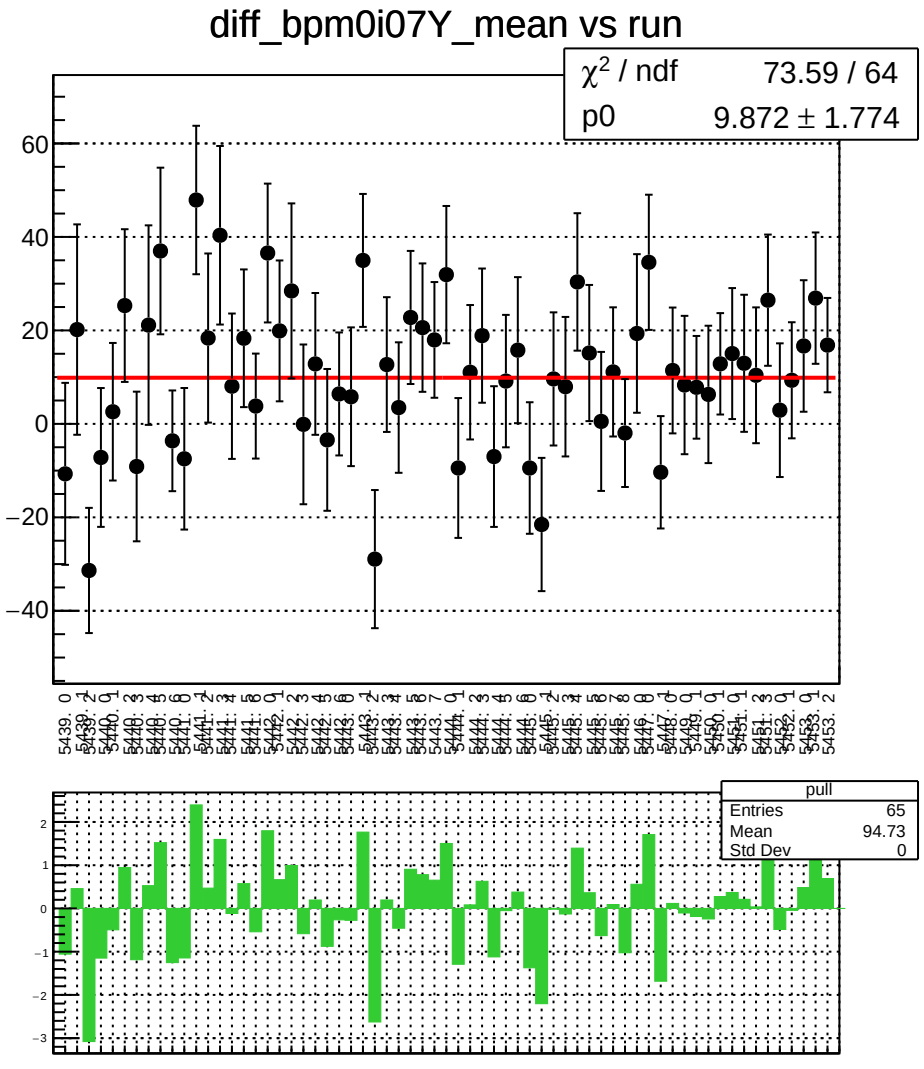

pull1D
Entries 65
Mean 0.01247
Std Dev 1.099

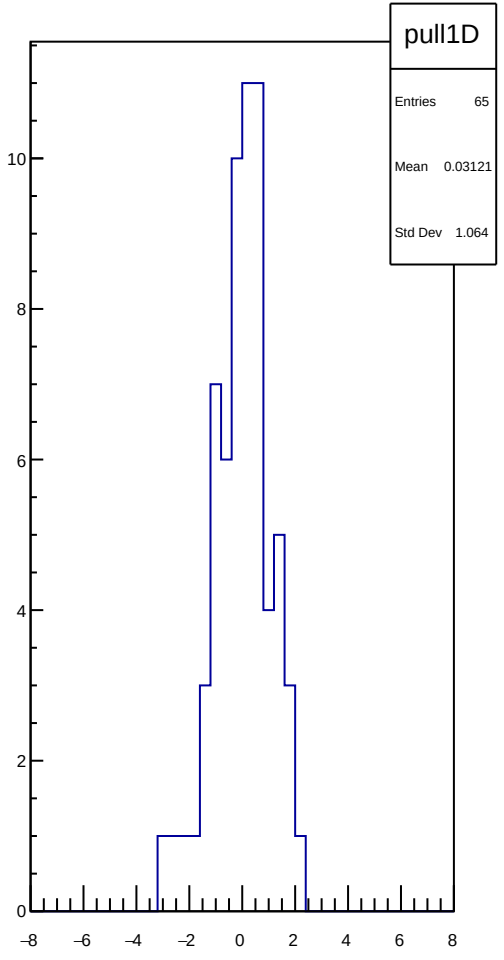

diff_bpm0i05Y_rms vs run
χ² / ndf 1419 / 64
p0 1876 ± 1.636
2050
2000
1950
1900
1850
1800
1750

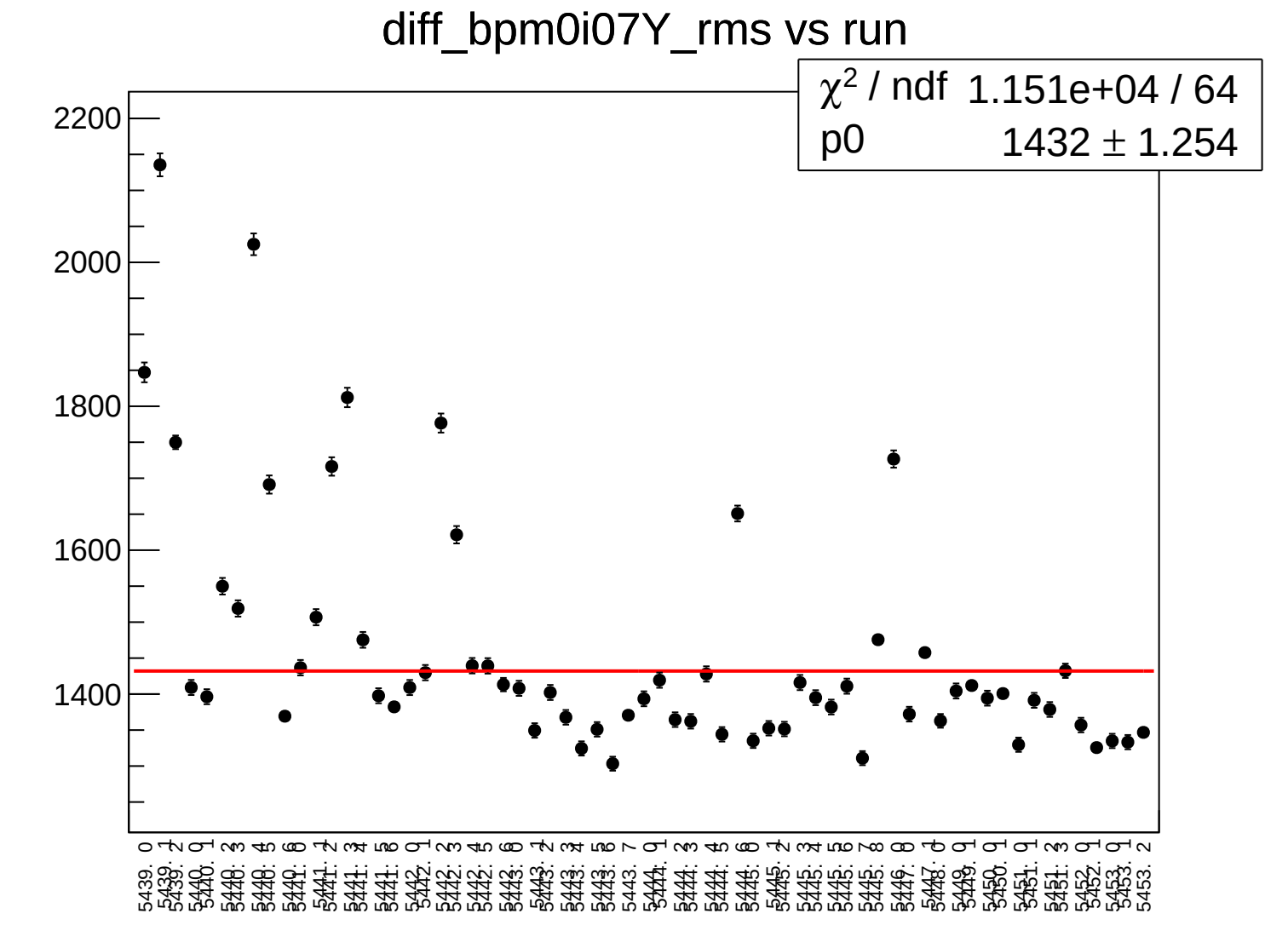

diff_bpm0i07X_mean vs run
χ² / ndf 63.53 / 64
p0 7.096 ± 3.059
100
50
0
−50
−100
pull
Entries 65
Mean −5.306
Std Dev 58.72
2
1
0
−1
−2
−3

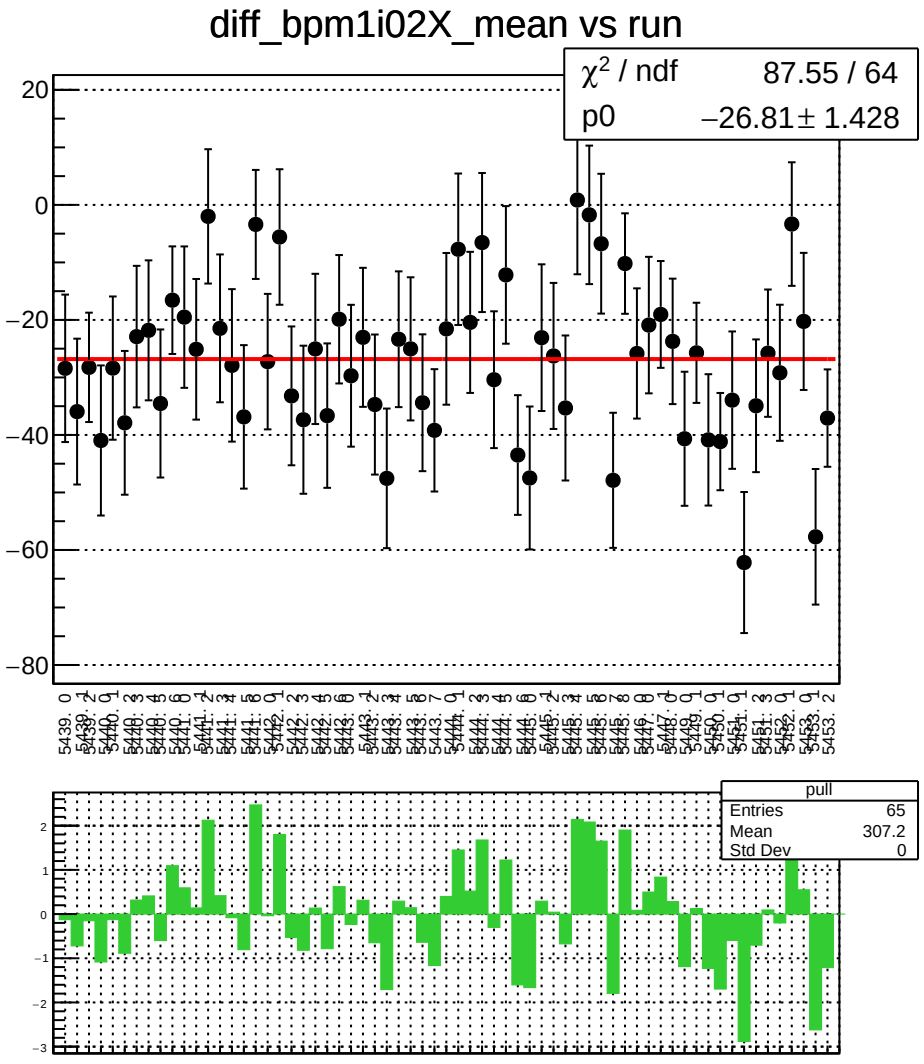

pull1D
Entries 65
Mean 0.008584
Std Dev 0.9886
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

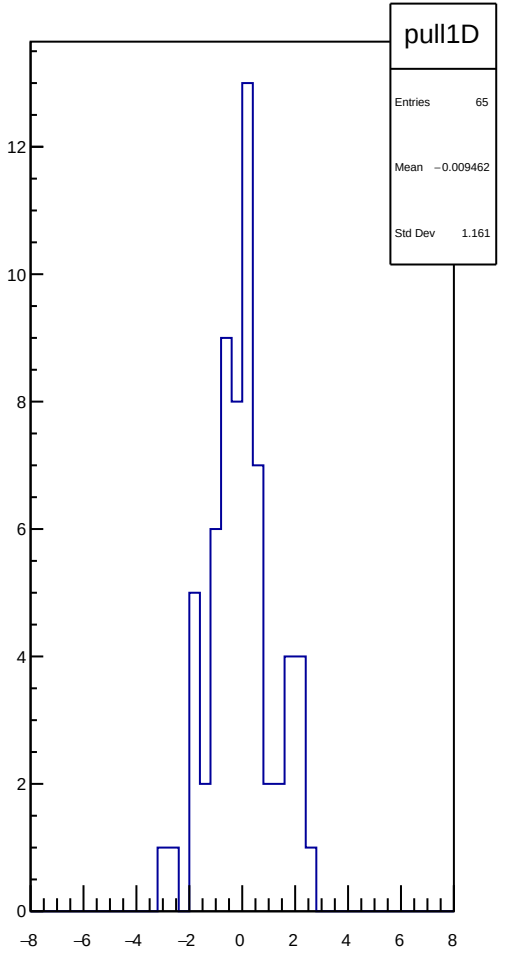

diff_bpm0i07X_rms vs run
χ² / ndf 5.815e+04 / 64
p0 2425 ± 2.163
4000
3500
3000
2500
2000
1500

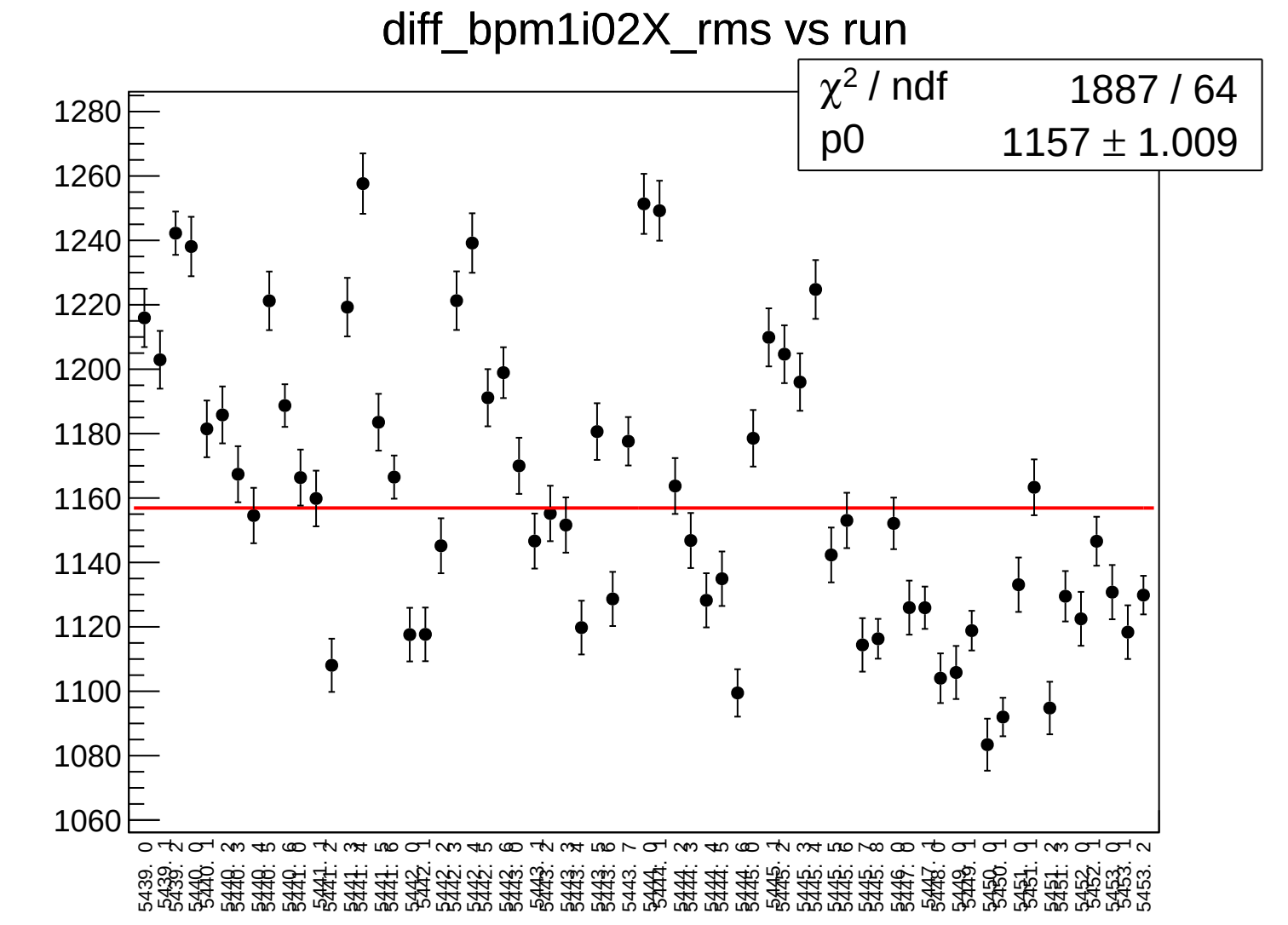

diff_bpm0i07Y_mean vs run
χ² / ndf 73.59 / 64
p0 9.872 ± 1.774
pull
Entries 65
Mean 94.73
Std Dev 0

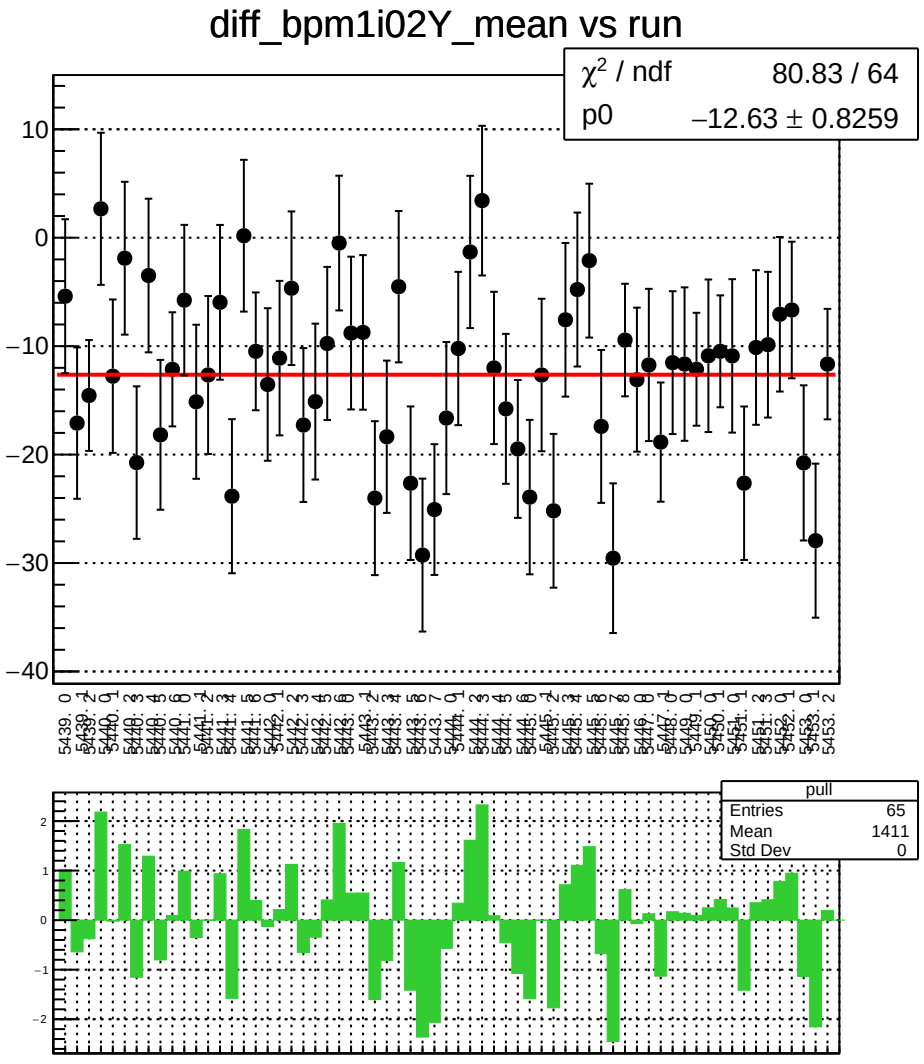

pull1D
Entries 65
Mean 0.03121
Std Dev 1.064

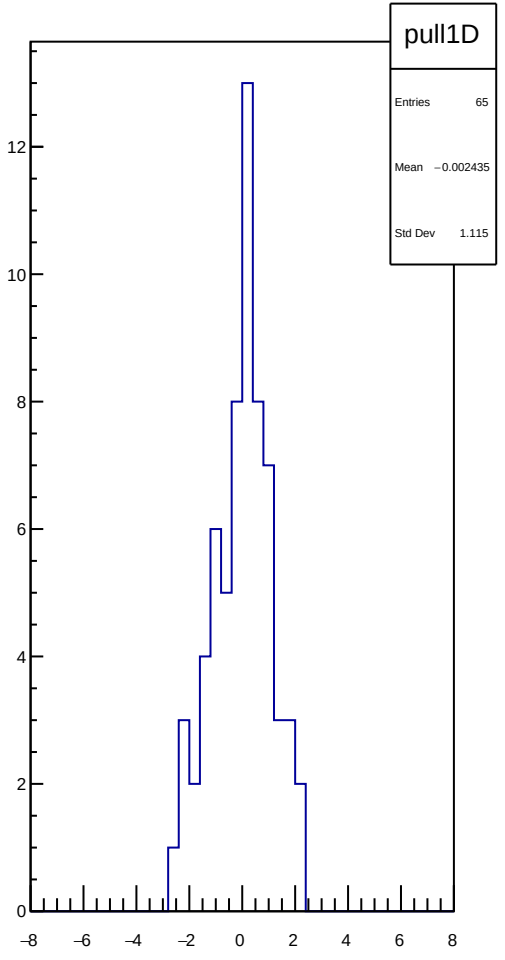

diff_bpm0i07Y_rms vs run
χ² / ndf 1.151e+04 / 64
p0 1432 ± 1.254
2200
2000
1800
1600
1400

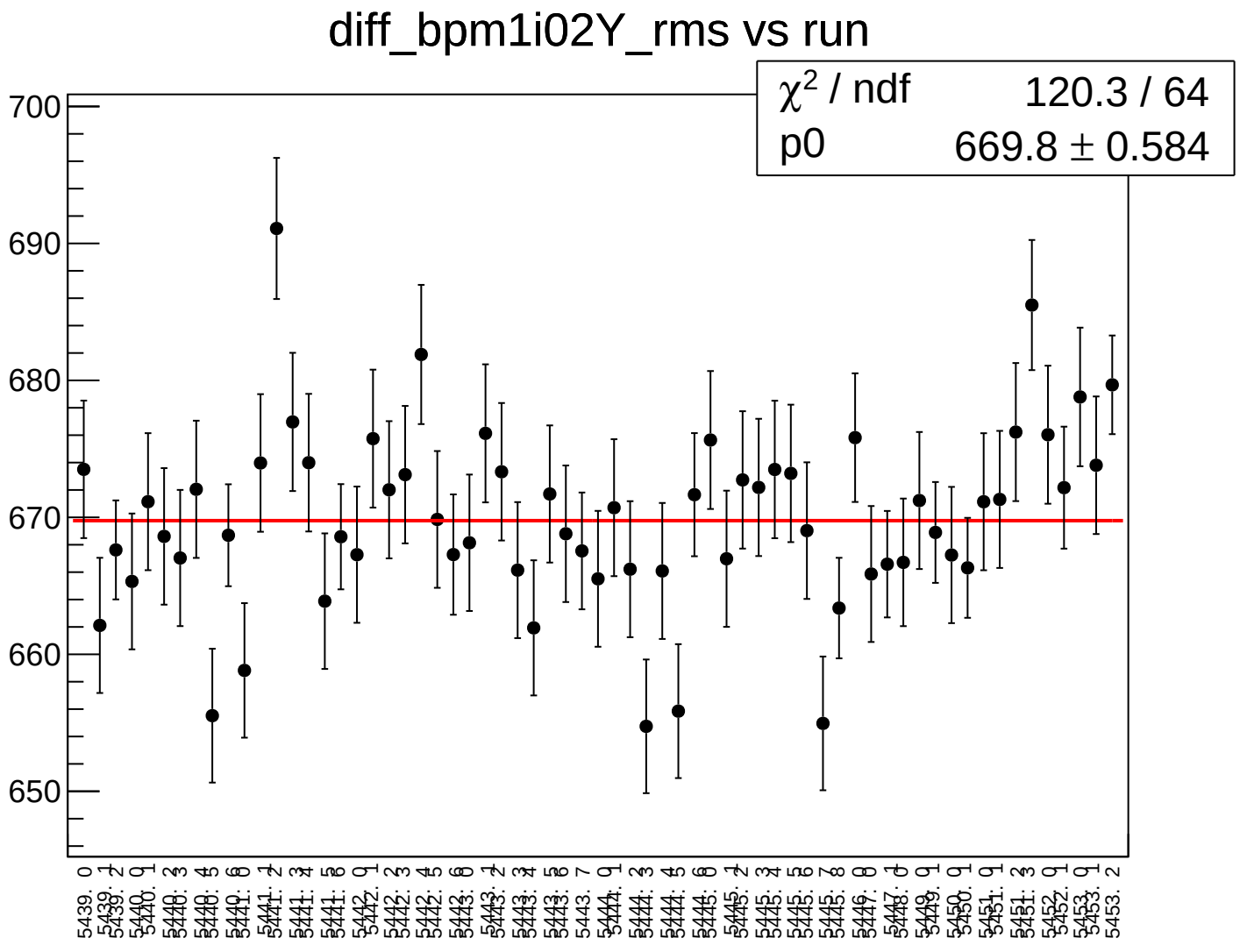

diff_bpm1i02X_mean vs run
χ² / ndf 87.55 / 64
p0 −26.81± 1.428
pull
Entries 65
Mean 307.2
Std Dev 0

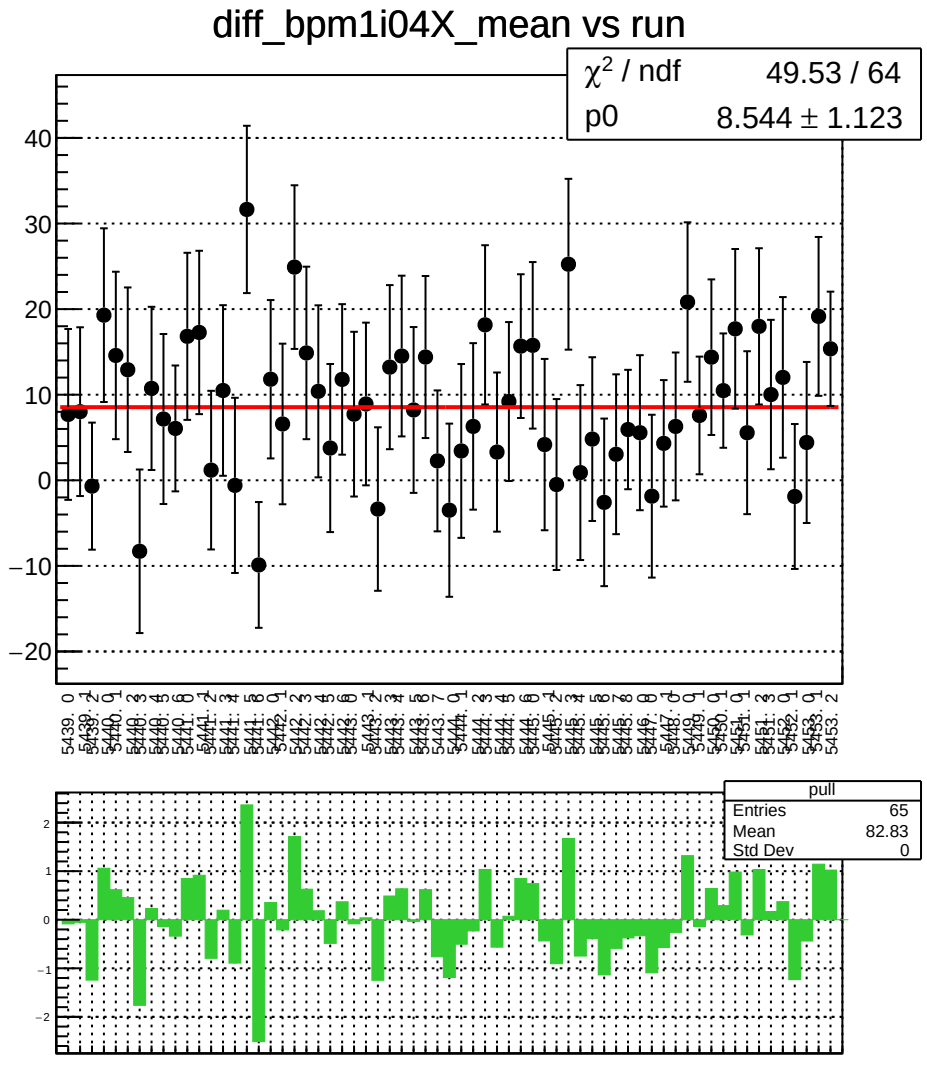

pull1D
Entries 65
Mean −0.009462
Std Dev 1.161

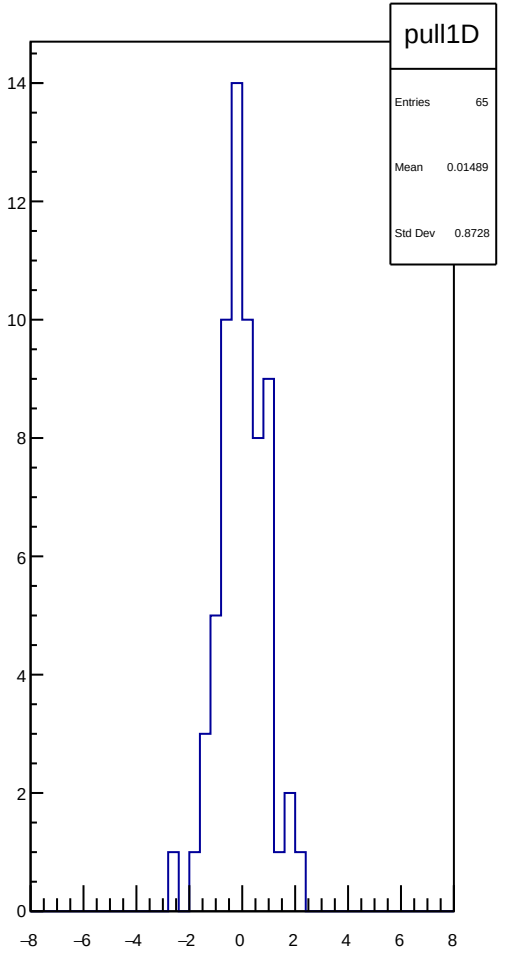

diff_bpm1i02X_rms vs run
χ² / ndf 1887 / 64
p0 1157 ± 1.009
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060

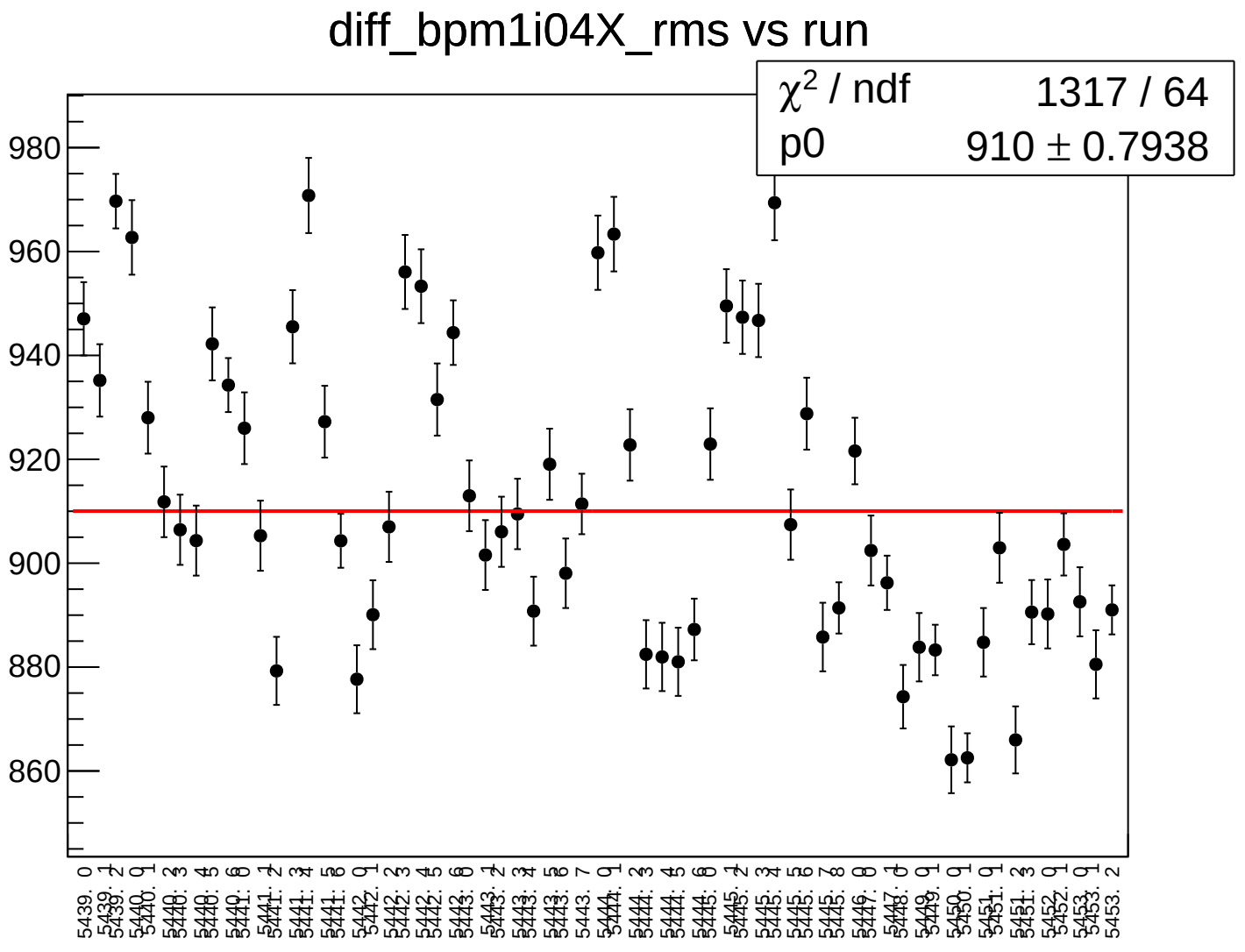

diff_bpm1i02Y_mean vs run
χ² / ndf 80.83 / 64
p0 −12.63 ± 0.8259
pull
Entries 65
Mean 1411
Std Dev 0

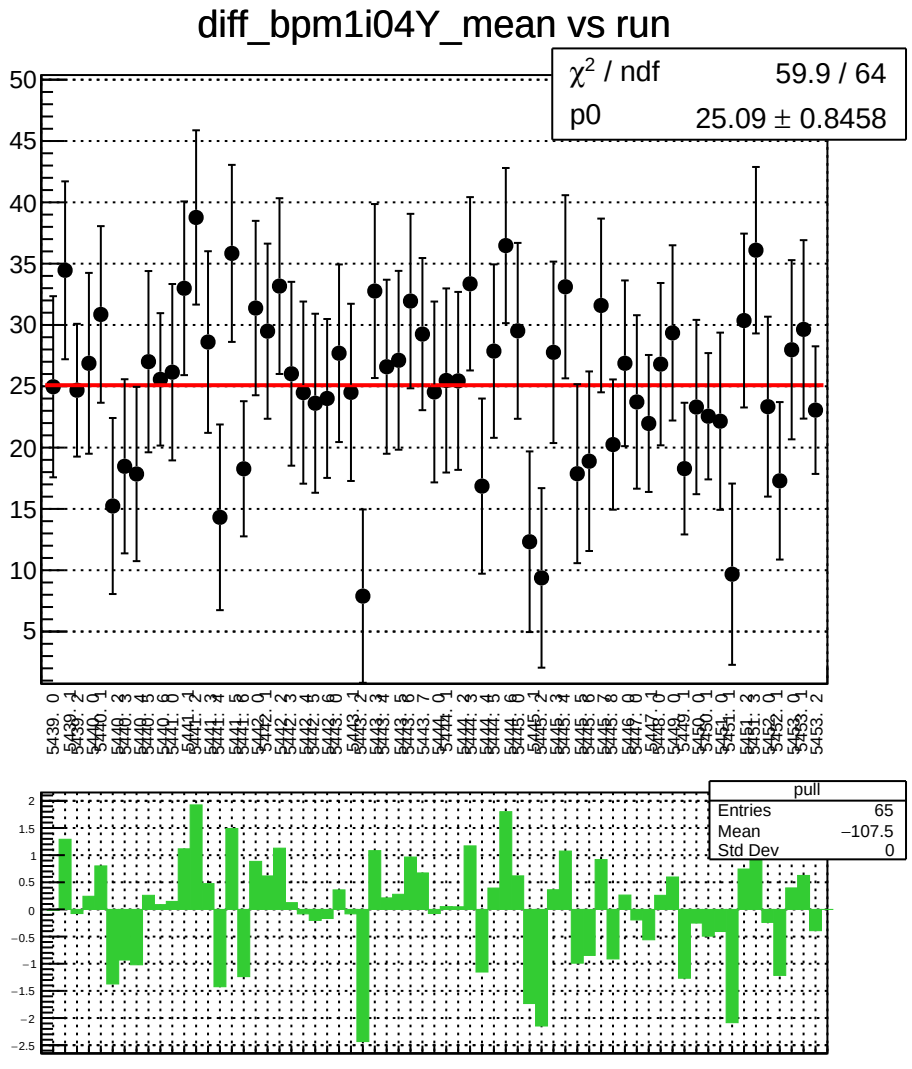

pull1D
Entries 65
Mean −0.002435
Std Dev 1.115

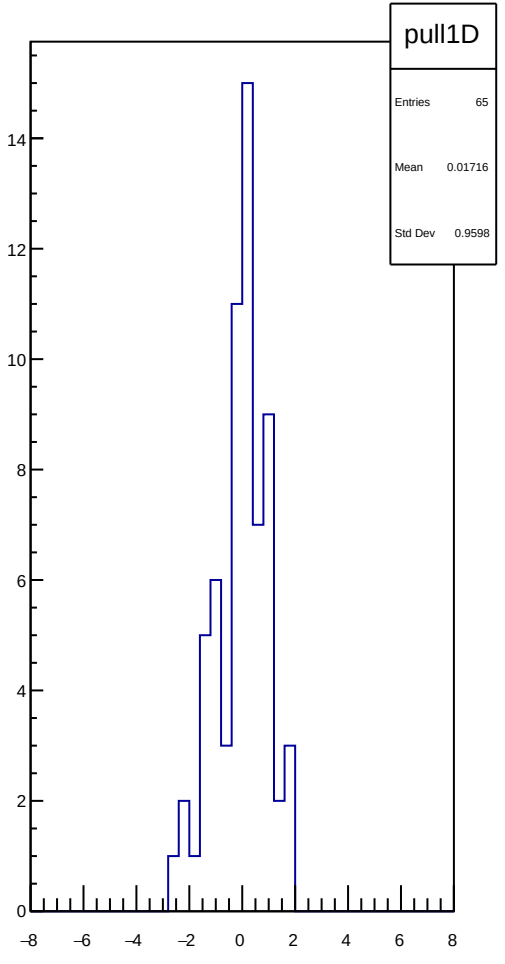

diff_bpm1i02Y_rms vs run
χ² / ndf 120.3 / 64
p0 669.8 ± 0.584
700
690
680
670
660
650

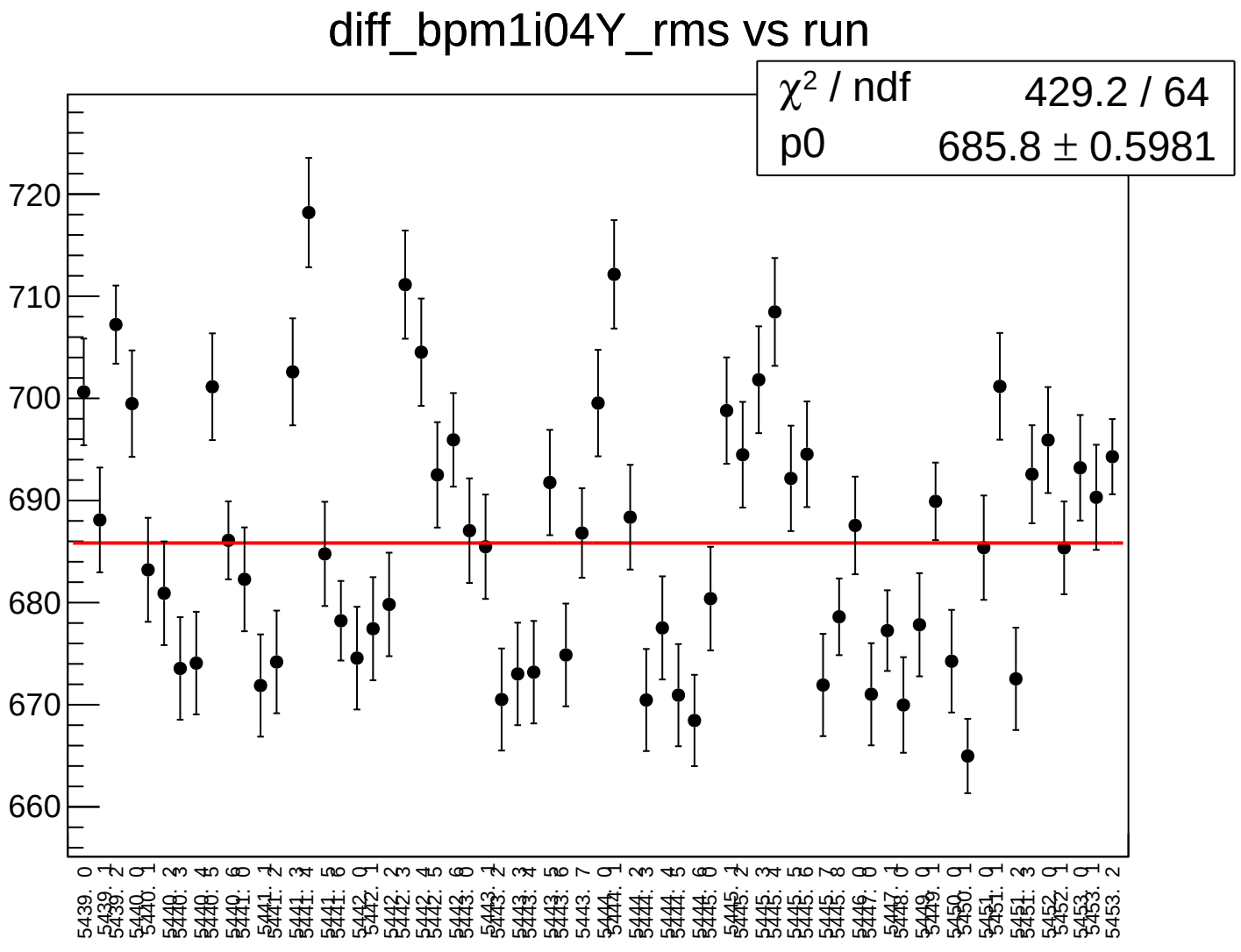

diff_bpm1i04X_mean vs run
χ² / ndf 49.53 / 64
p0 8.544 ± 1.123
pull
Entries 65
Mean 82.83
Std Dev 0

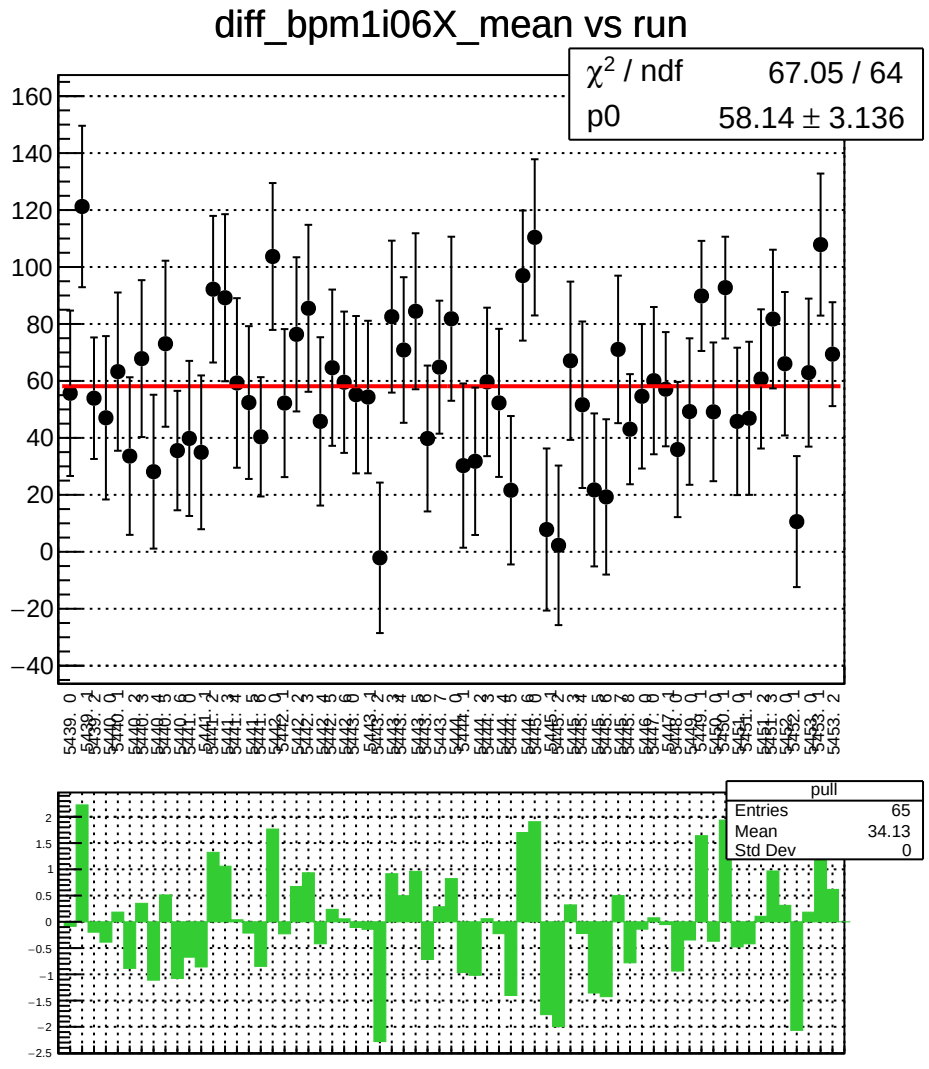

pull1D
Entries 65
Mean 0.01489
Std Dev 0.8728

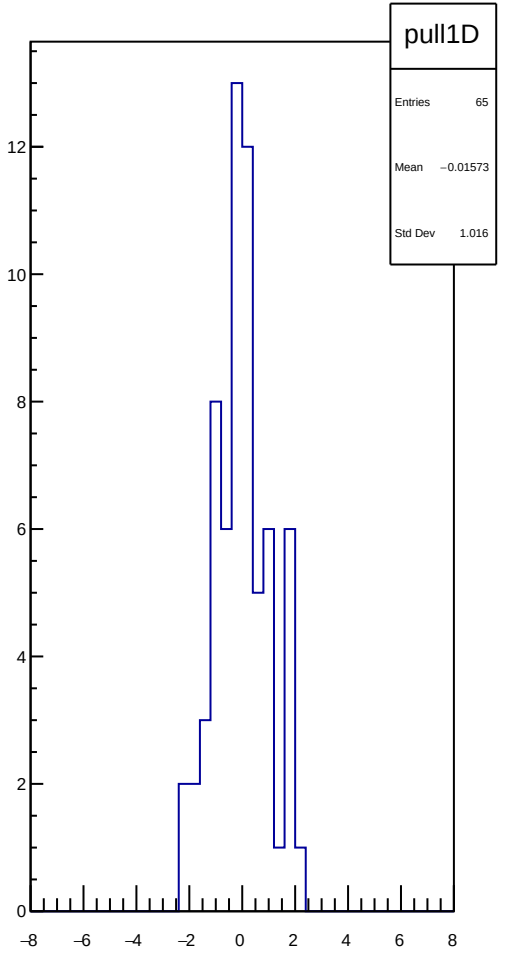

diff_bpm1i04X_rms vs run
χ^2 / ndf 1317 / 64
p0 910 ± 0.7938
980
960
940
920
900
880
860

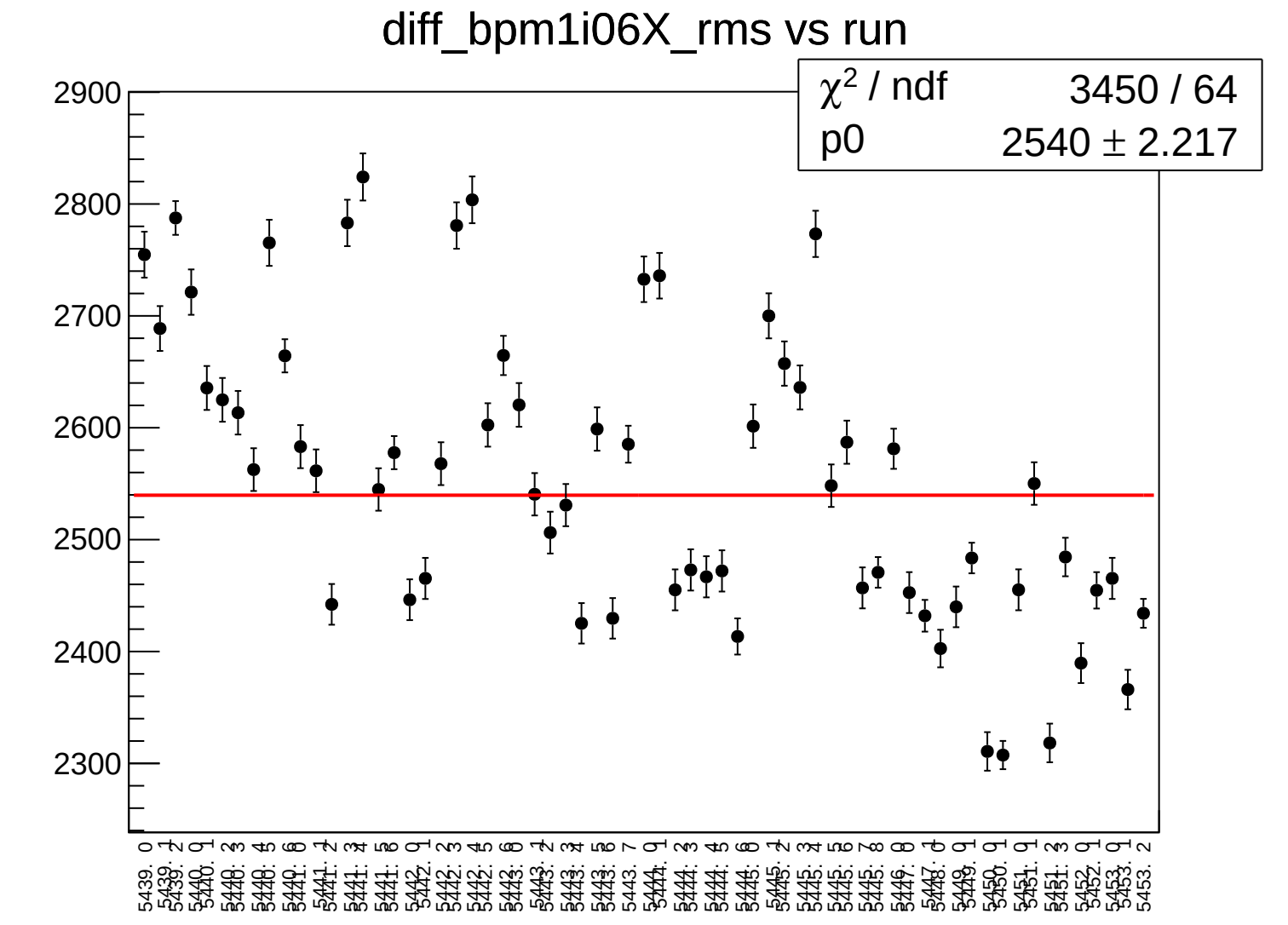

diff_bpm1i04Y_mean vs run
χ² / ndf 59.9 / 64
p0 25.09 ± 0.8458
pull
Entries 65
Mean −107.5
Std Dev 0

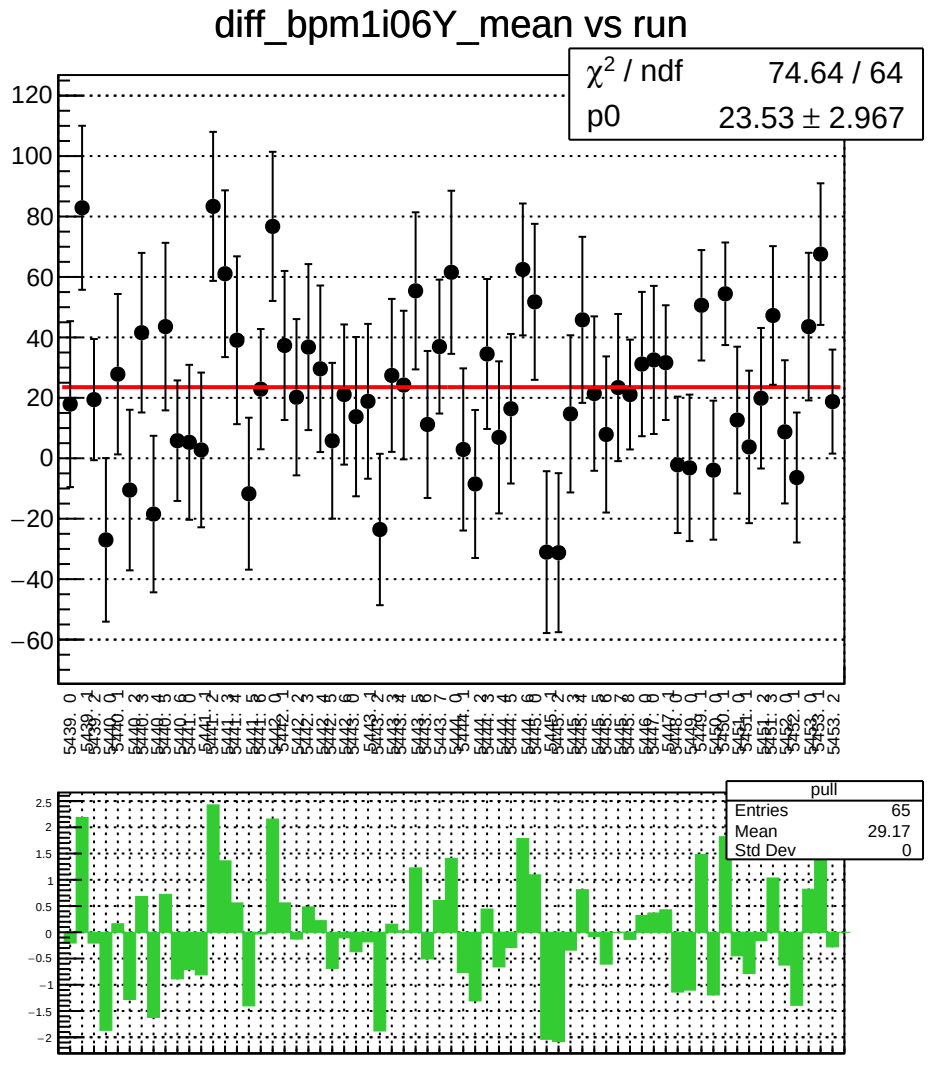

pull1D
Entries 65
Mean 0.01716
Std Dev 0.9598

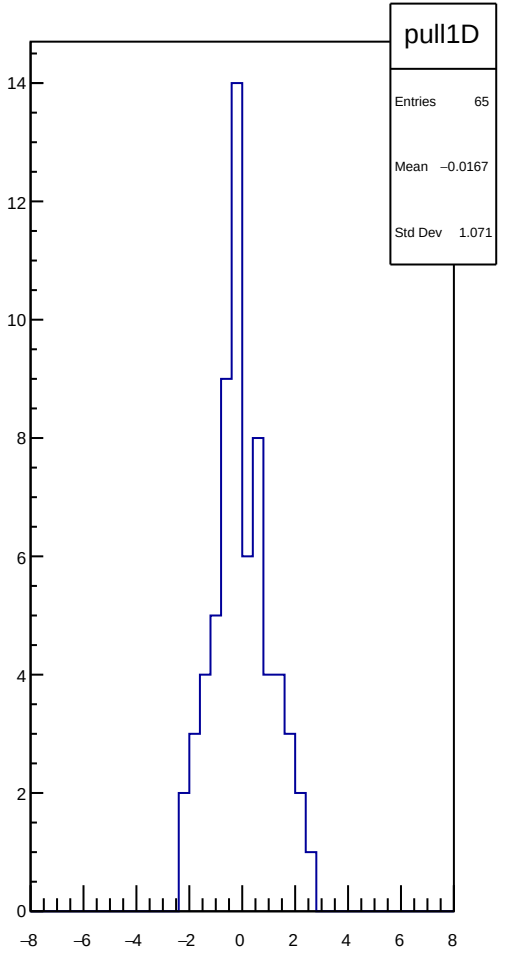

diff_bpm1i04Y_rms vs run
χ² / ndf 429.2 / 64
p0 685.8 ± 0.5981
720
710
700
690
680
670
660
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

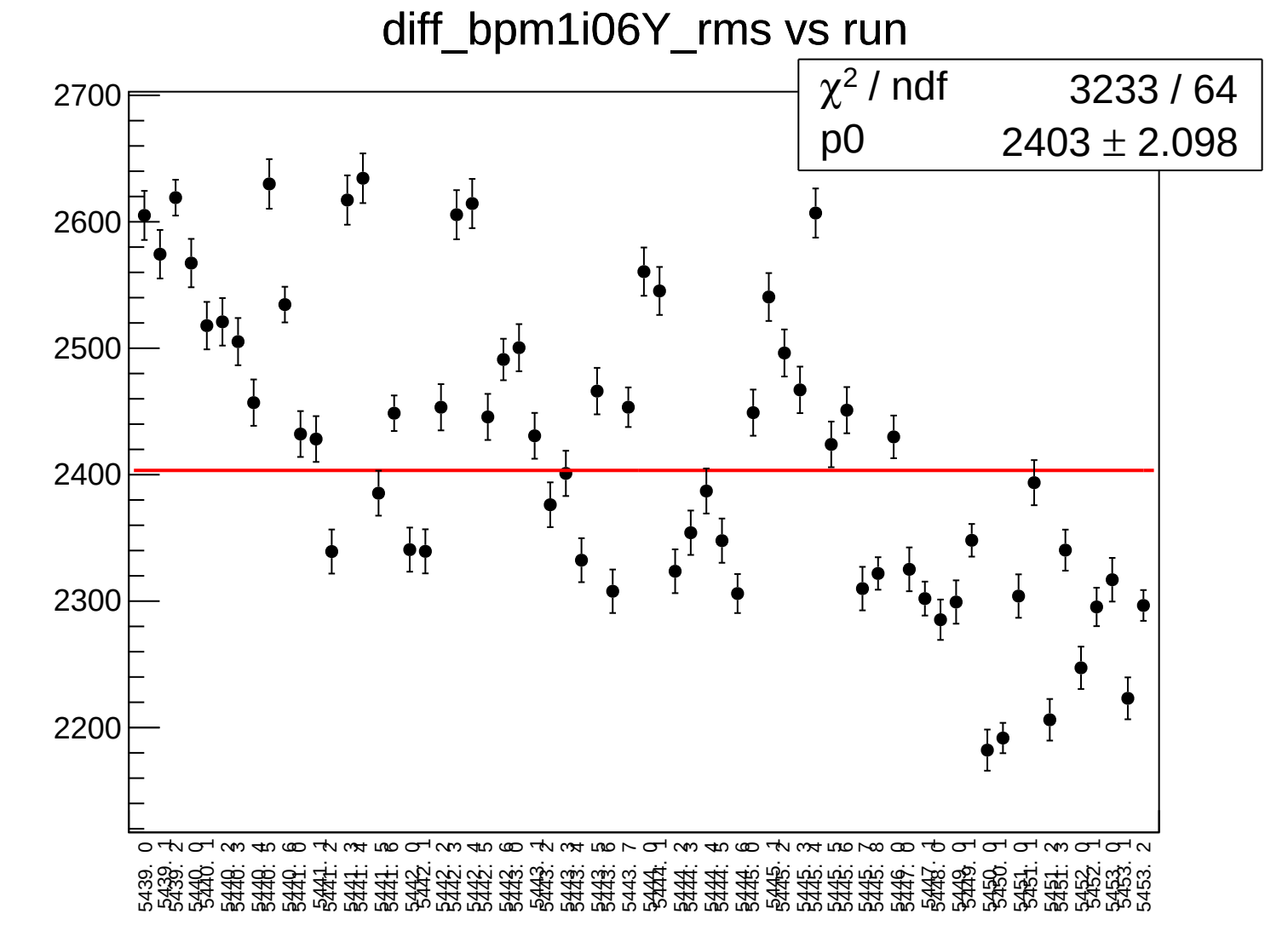

diff_bpm1i06X_mean vs run
χ² / ndf 67.05 / 64
p0 58.14 ± 3.136
pull
Entries 65
Mean 34.13
Std Dev 0

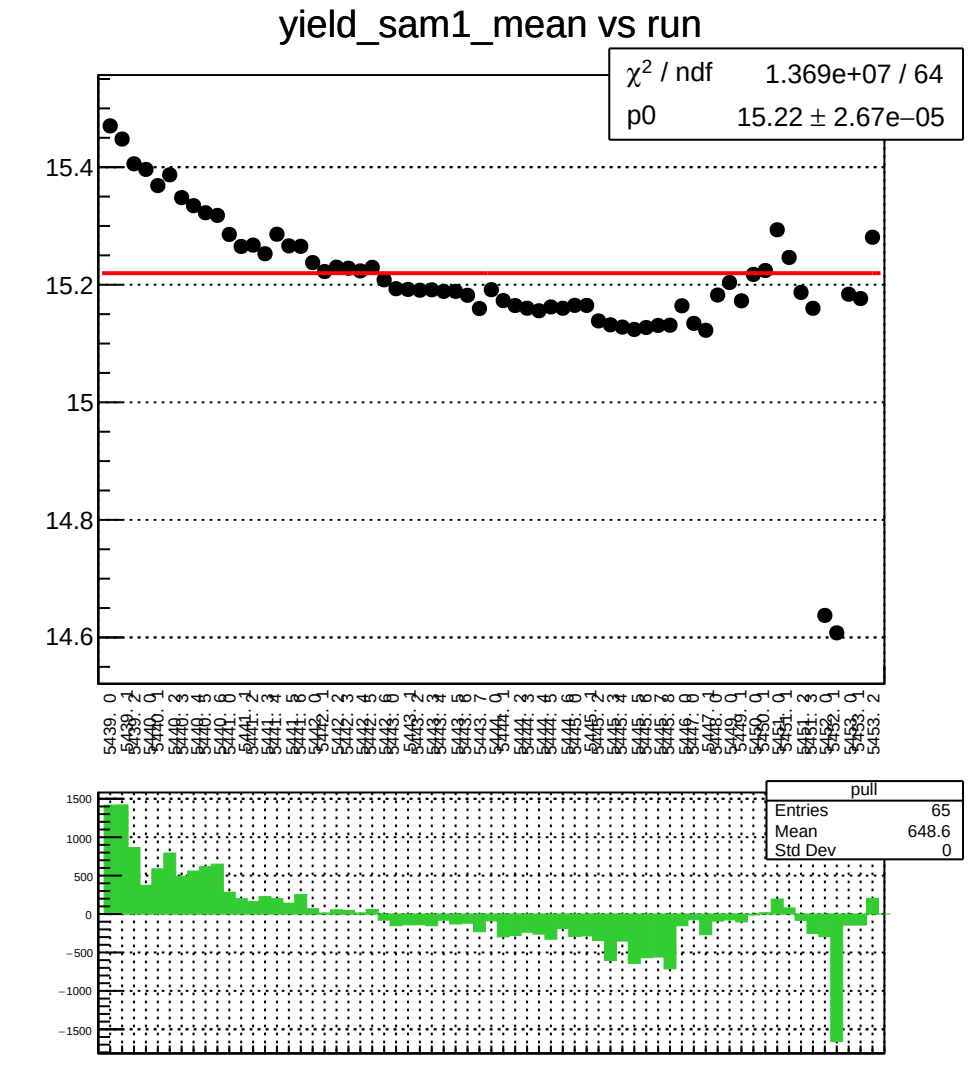

pull1D
Entries 65
Mean −0.01573
Std Dev 1.016

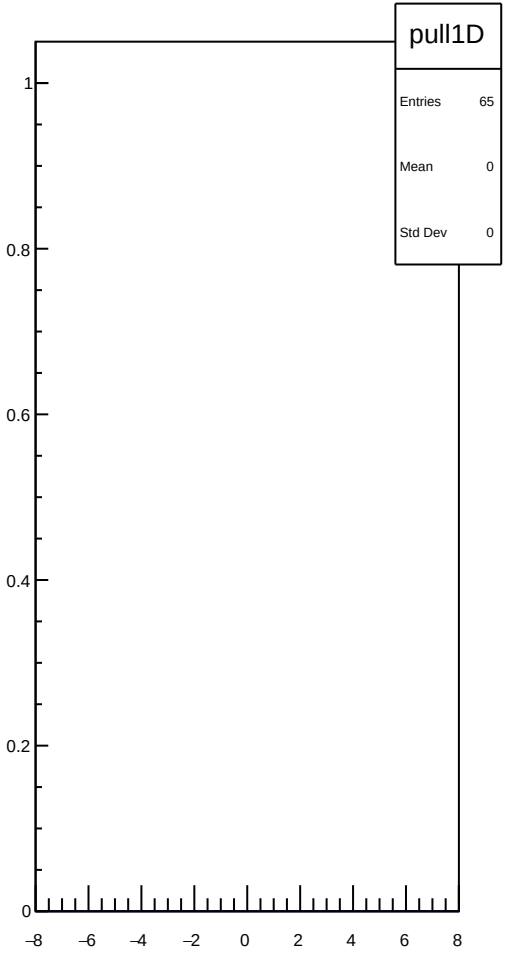

diff_bpm1i06X_rms vs run
χ² / ndf 3450 / 64
p0 2540 ± 2.217
2900
2800
2700
2600
2500
2400
2300

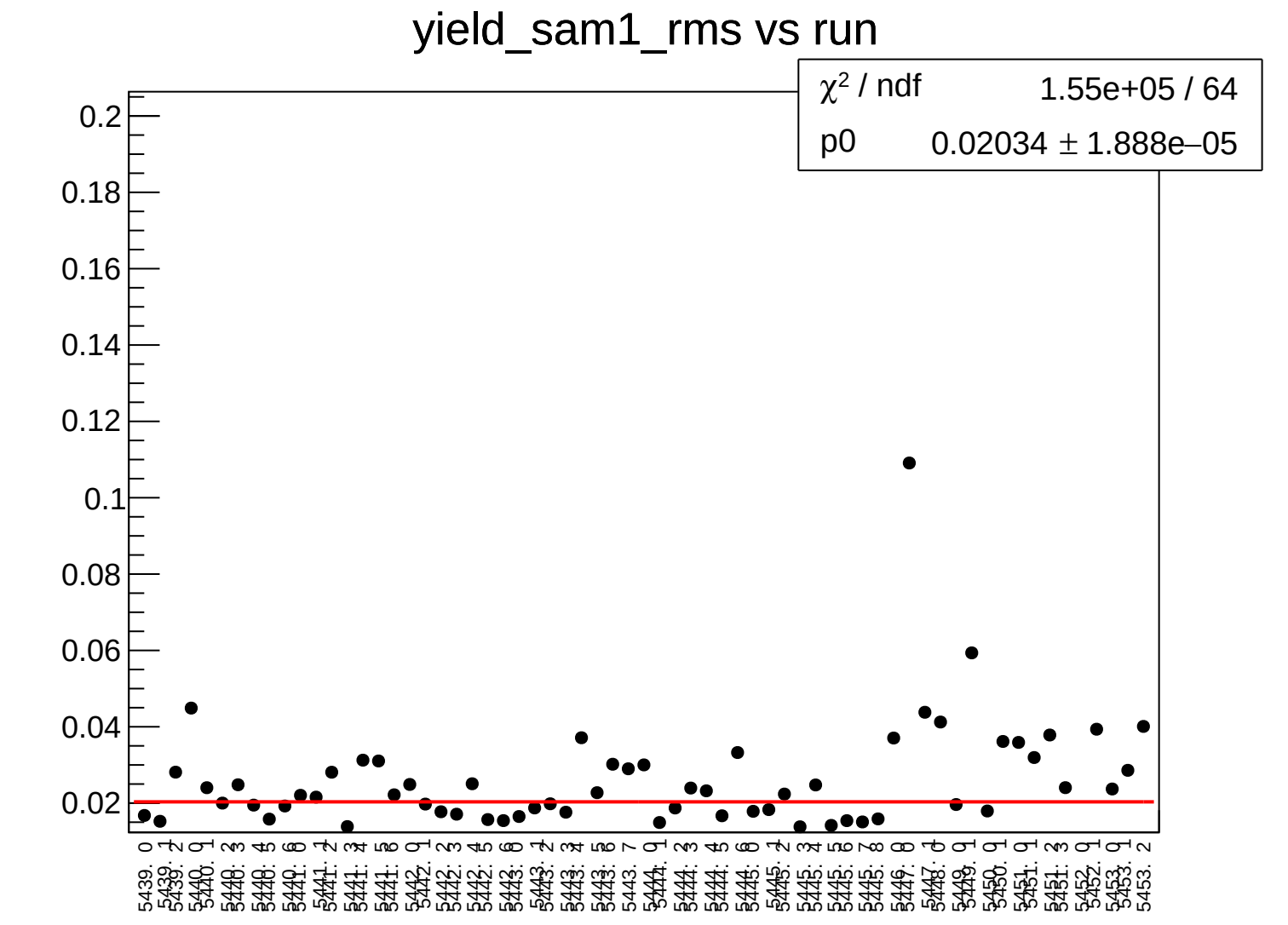

diff_bpm1i06Y_mean vs run
χ^2 / ndf 74.64 / 64
p0 23.53 ± 2.967
pull
Entries 65
Mean 29.17
Std Dev 0

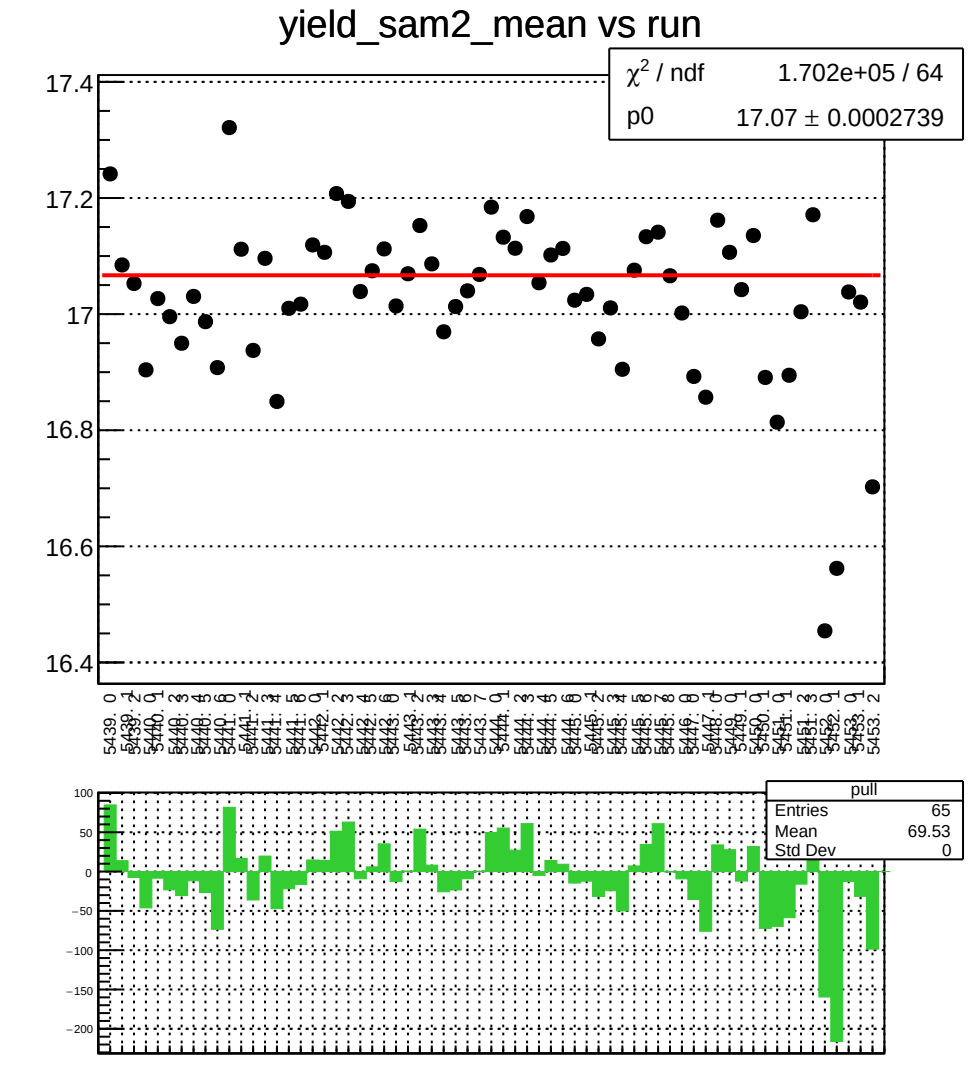

pull1D
Entries 65
Mean −0.0167
Std Dev 1.071

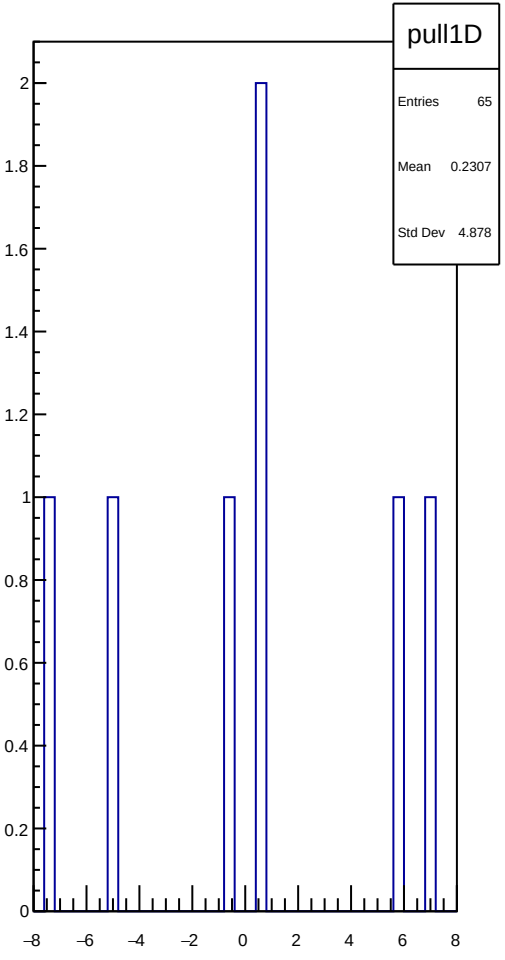

diff_bpm1i06Y_rms vs run
χ² / ndf 3233 / 64
p0 2403 ± 2.098
2700
2600
2500
2400
2300
2200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

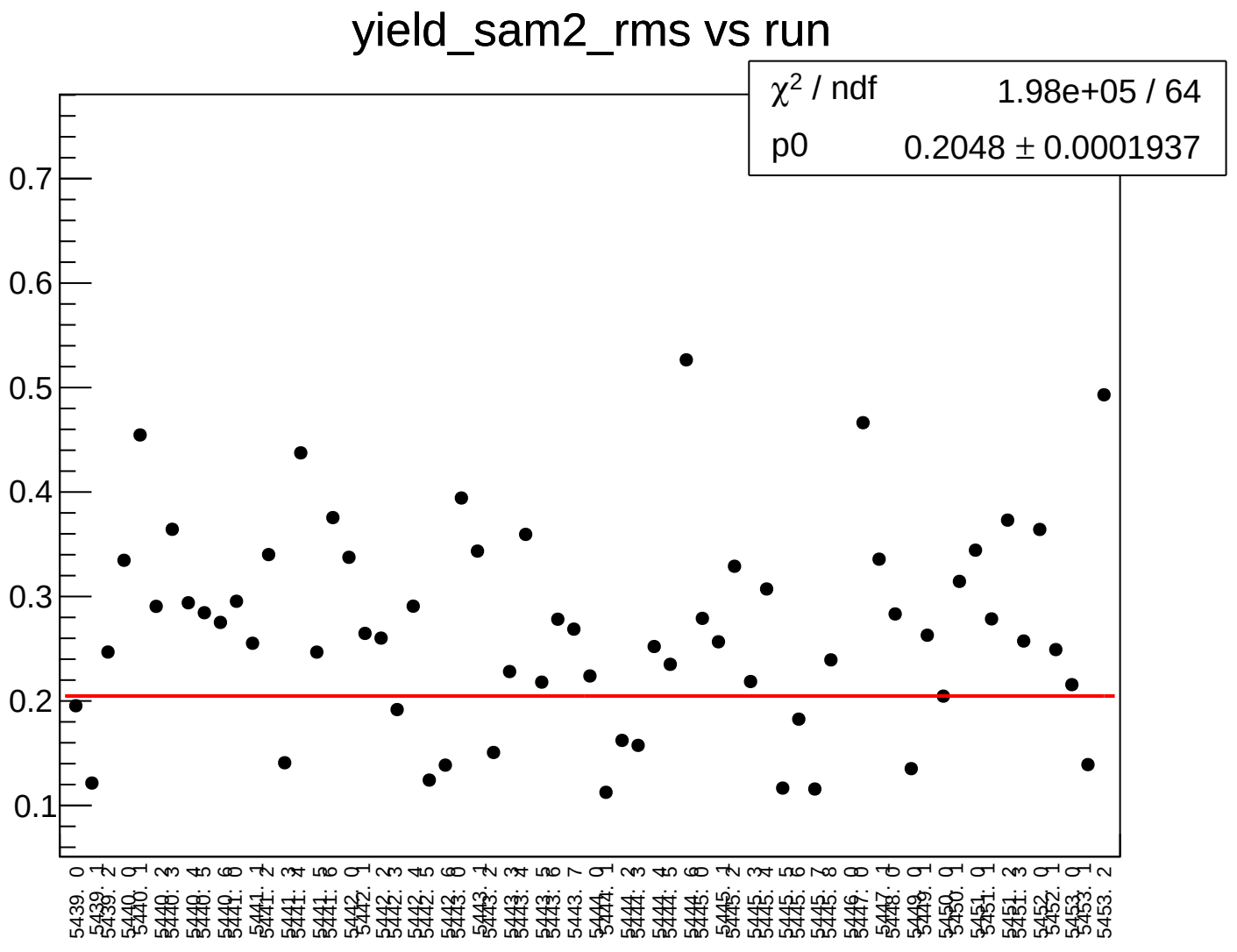

yield_sam1_mean vs run
χ² / ndf 1.369e+07 / 64
p0 15.22 ± 2.67e−05
15.4
15.2
15
14.8
14.6
pull
Entries 65
Mean 648.6
Std Dev 0
1500
1000
500
0
−500
−1000
−1500

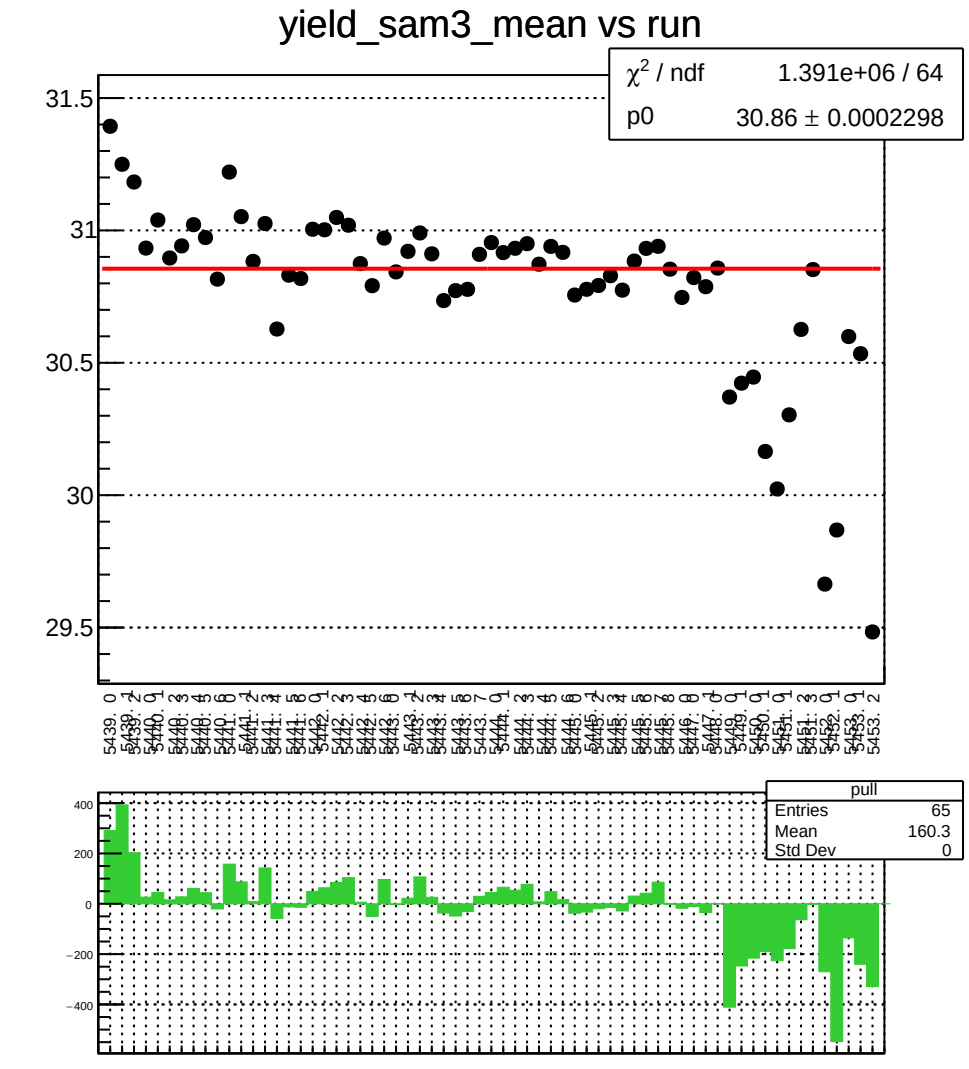

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

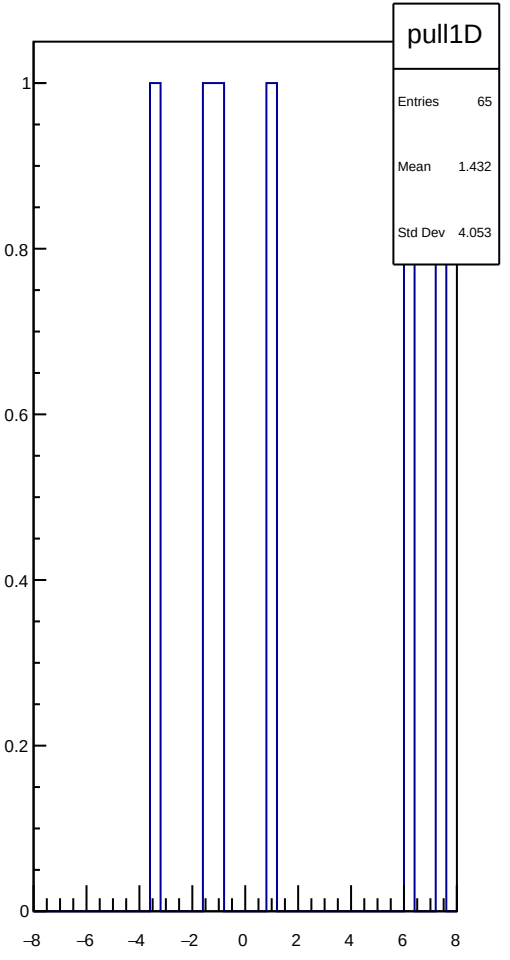

yield_sam1_rms vs run
χ² / ndf 1.55e+05 / 64
p0 0.02034 ± 1.888e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

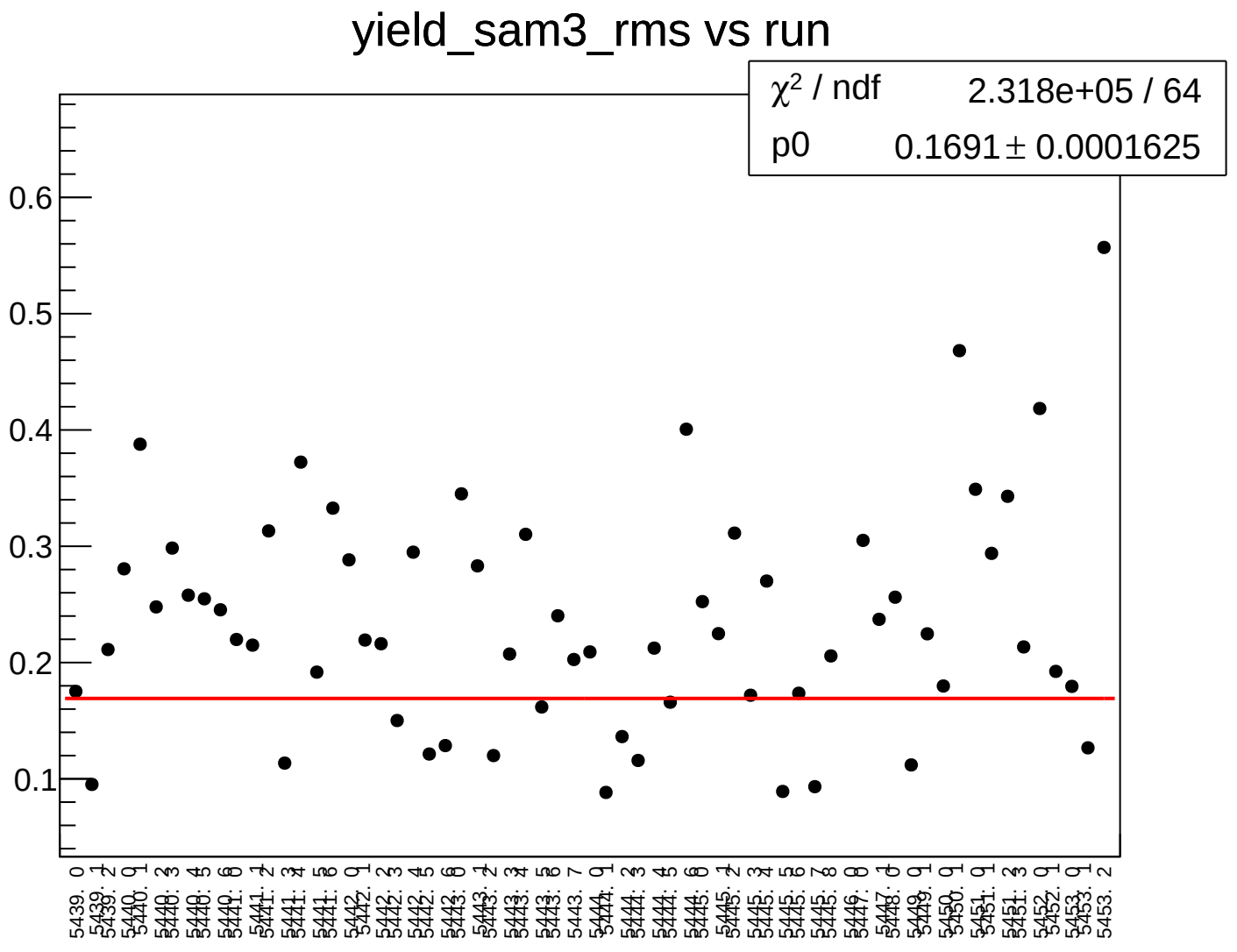

yield_sam2_mean vs run
χ² / ndf 1.702e+05 / 64
p0 17.07 ± 0.0002739
17.4
17.2
17
16.8
16.6
16.4
pull
Entries 65
Mean 69.53
Std Dev 0
100
50
0
−50
−100
−150
−200

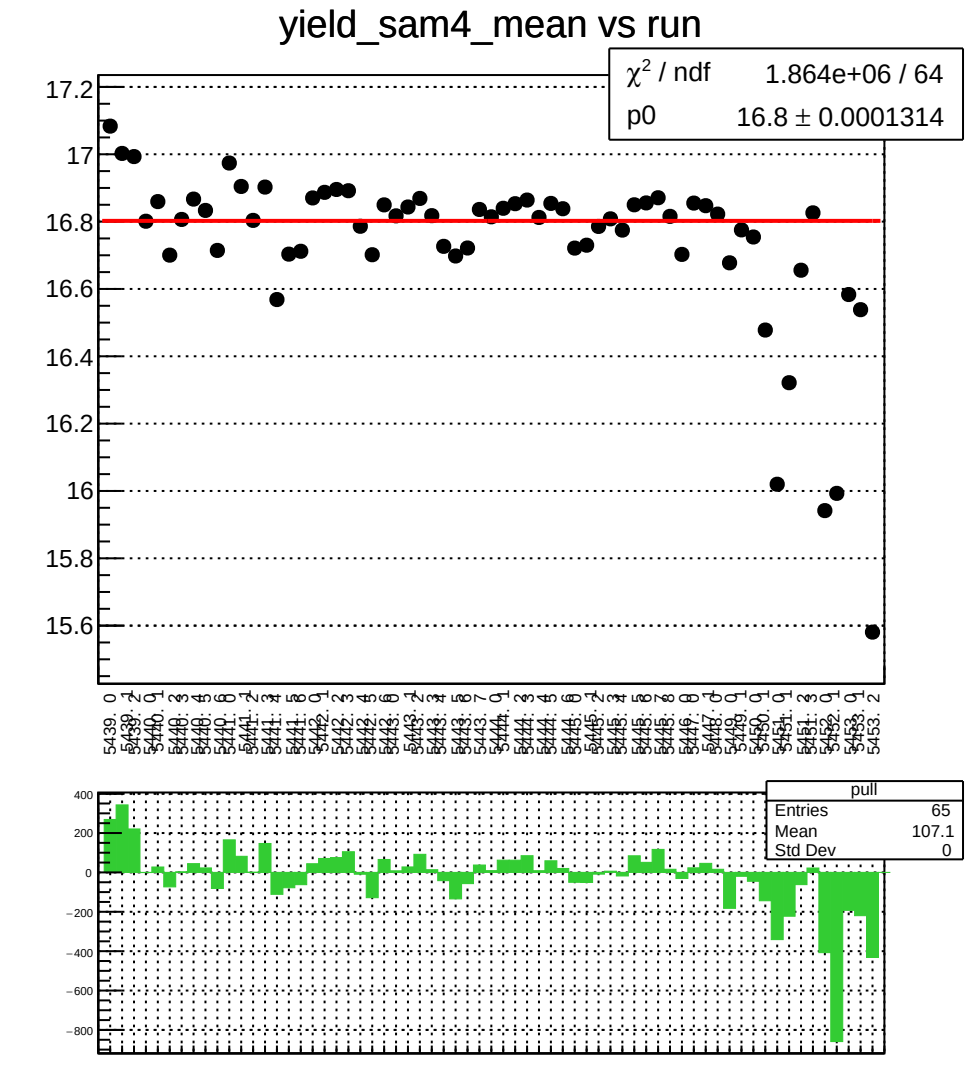

pull1D
Entries 65
Mean 0.2307
Std Dev 4.878
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

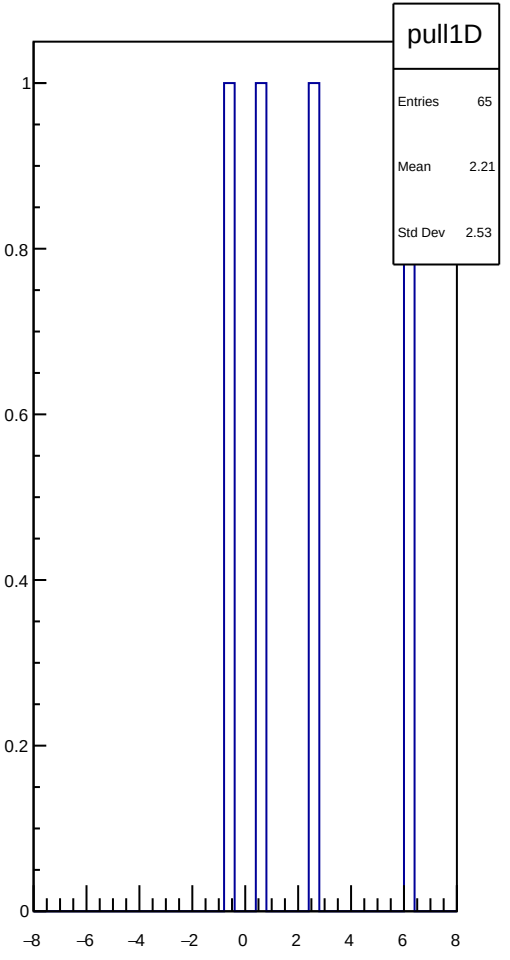

yield_sam2_rms vs run
χ² / ndf 1.98e+05 / 64
p0 0.2048 ± 0.0001937
0.7
0.6
0.5
0.4
0.3
0.2
0.1

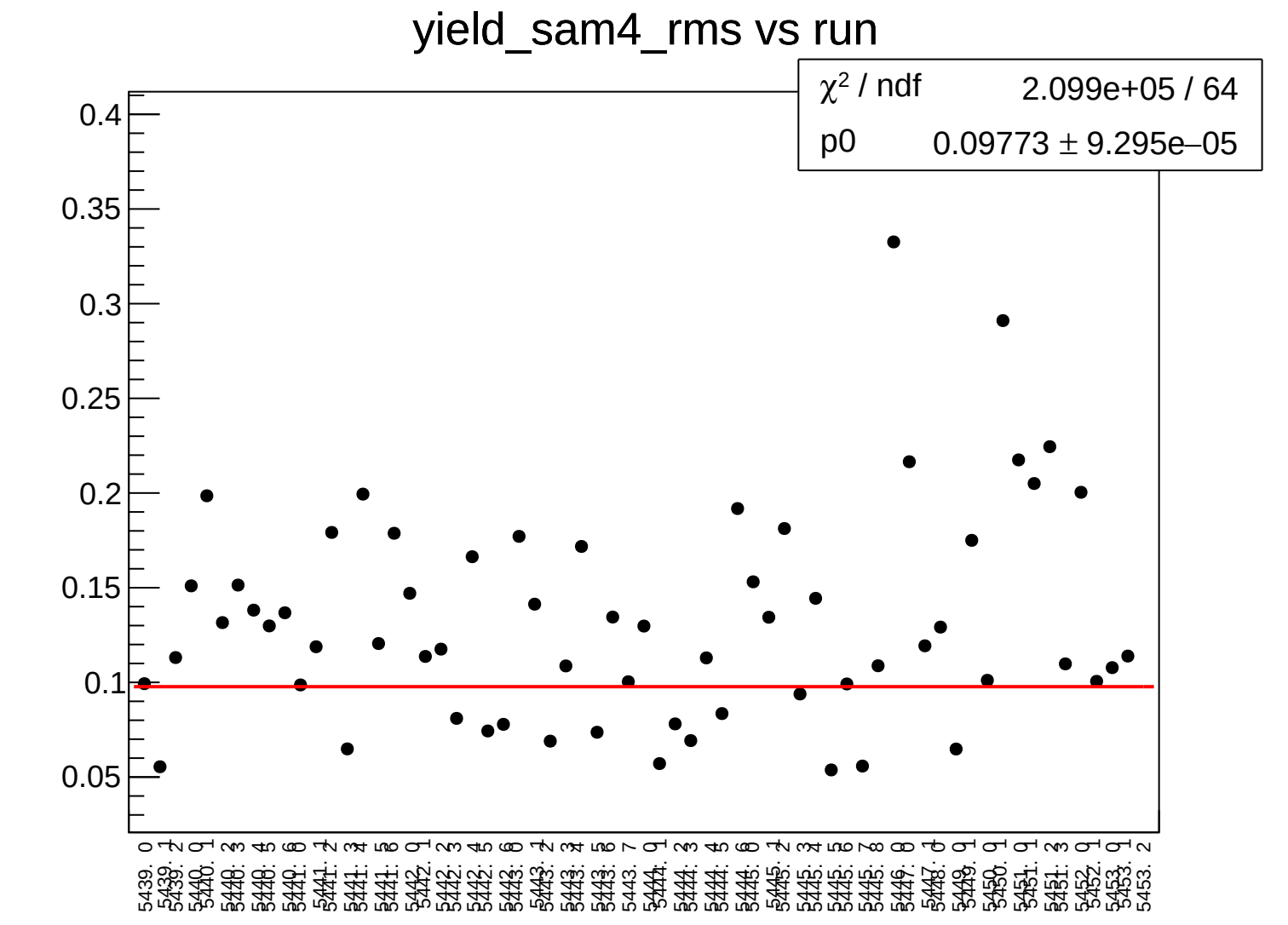

yield_sam3_mean vs run
χ² / ndf 1.391e+06 / 64
p0 30.86 ± 0.0002298
31.5
31
30.5
30
29.5
pull
Entries 65
Mean 160.3
Std Dev 0
400
200
0
−200
−400

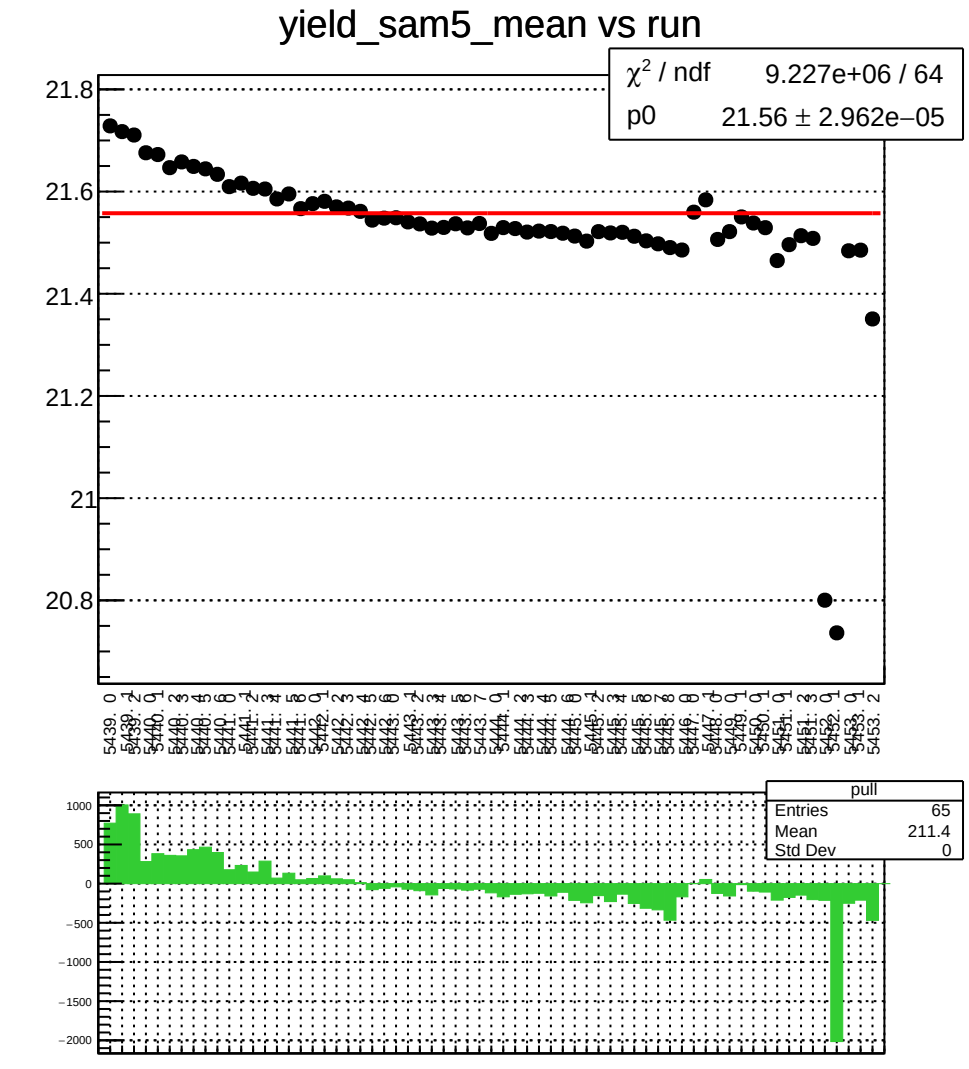

pull1D
Entries 65
Mean 1.432
Std Dev 4.053
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

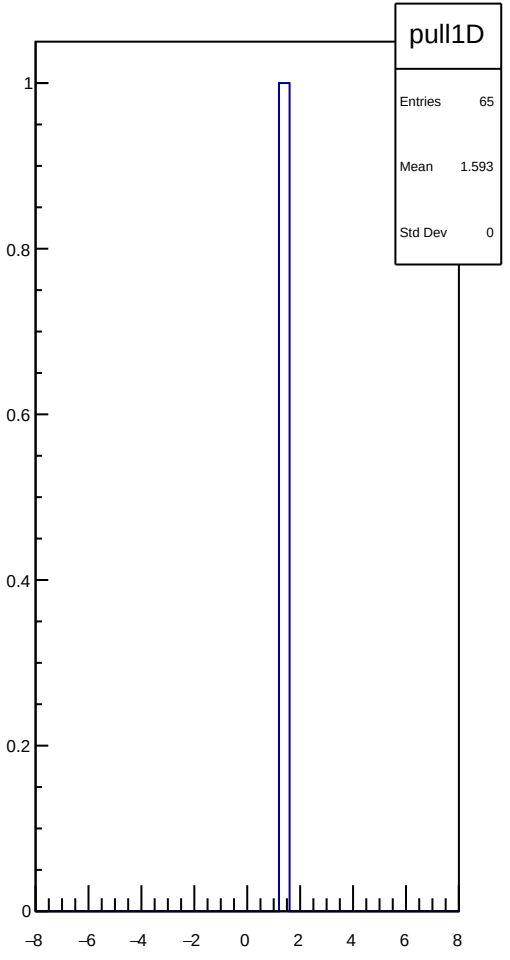

yield_sam3_rms vs run
χ² / ndf 2.318e+05 / 64
p0 0.1691 ± 0.0001625
0.6
0.5
0.4
0.3
0.2
0.1

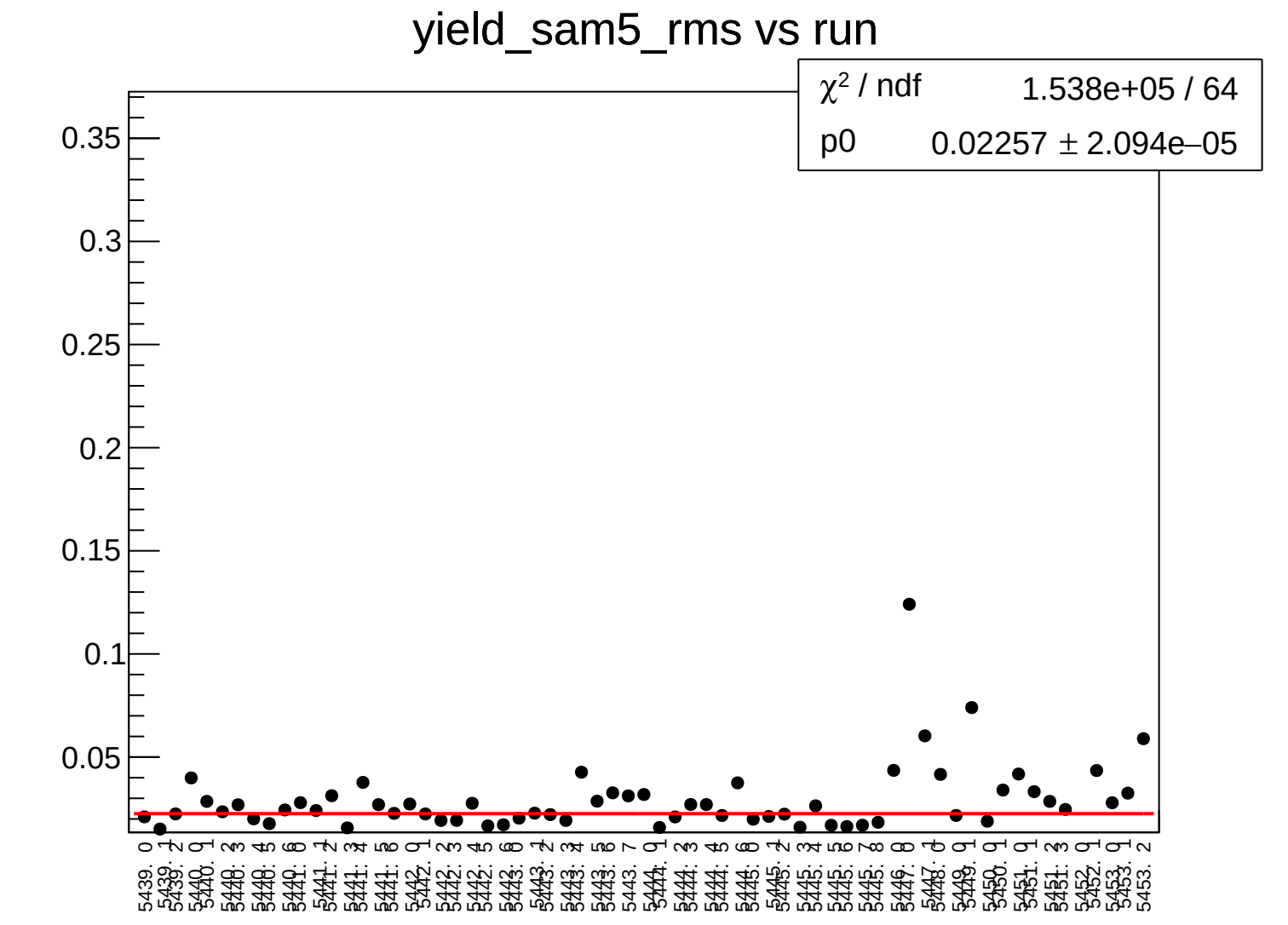

yield_sam4_mean vs run
χ² / ndf 1.864e+06 / 64
p0 16.8 ± 0.0001314
17.2
17
16.8
16.6
16.4
16.2
16
15.8
15.6
pull
Entries 65
Mean 107.1
Std Dev 0
400
200
0
−200
−400
−600
−800

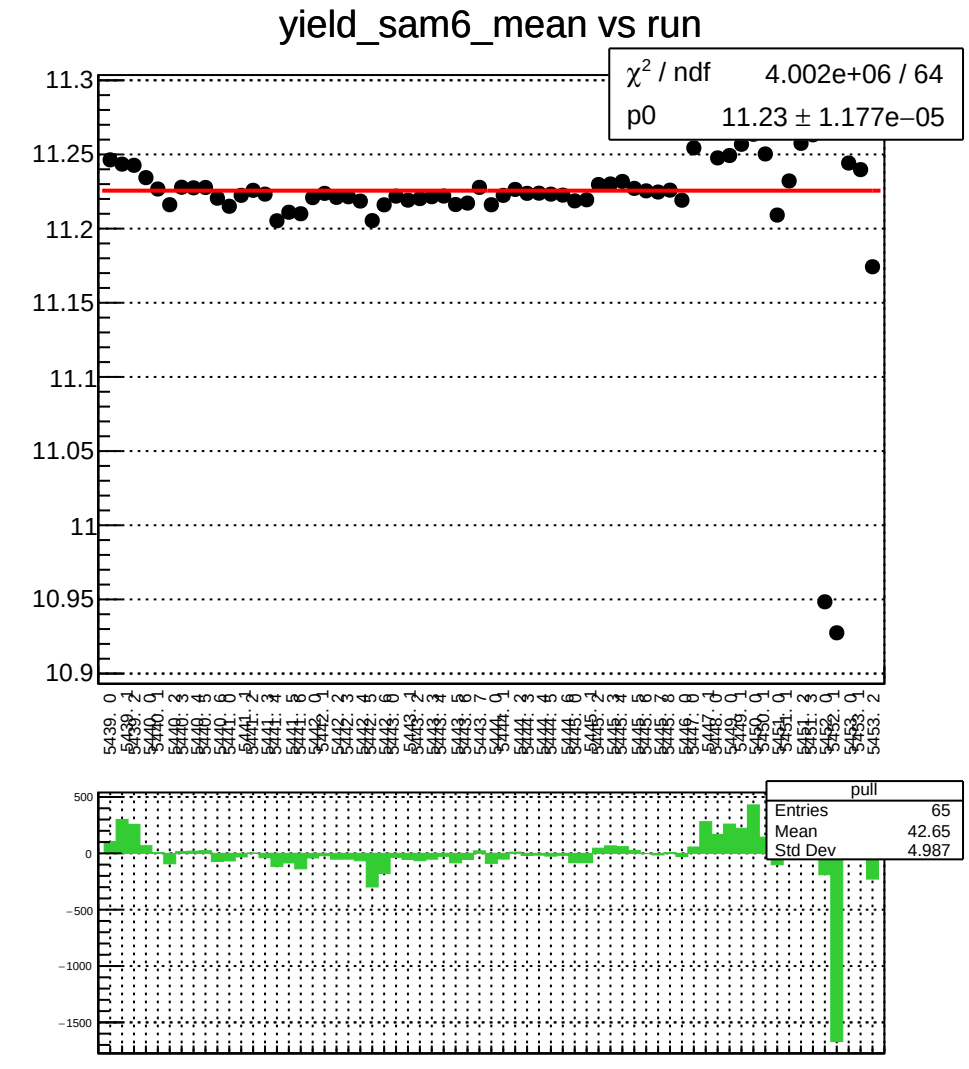

pull1D
Entries 65
Mean 2.21
Std Dev 2.53
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

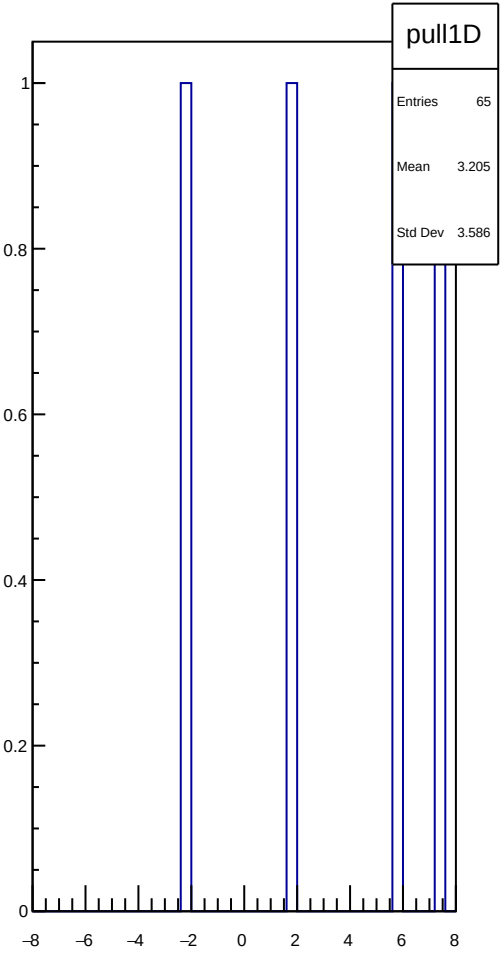

yield_sam4_rms vs run
χ² / ndf 2.099e+05 / 64
p0 0.09773 ± 9.295e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

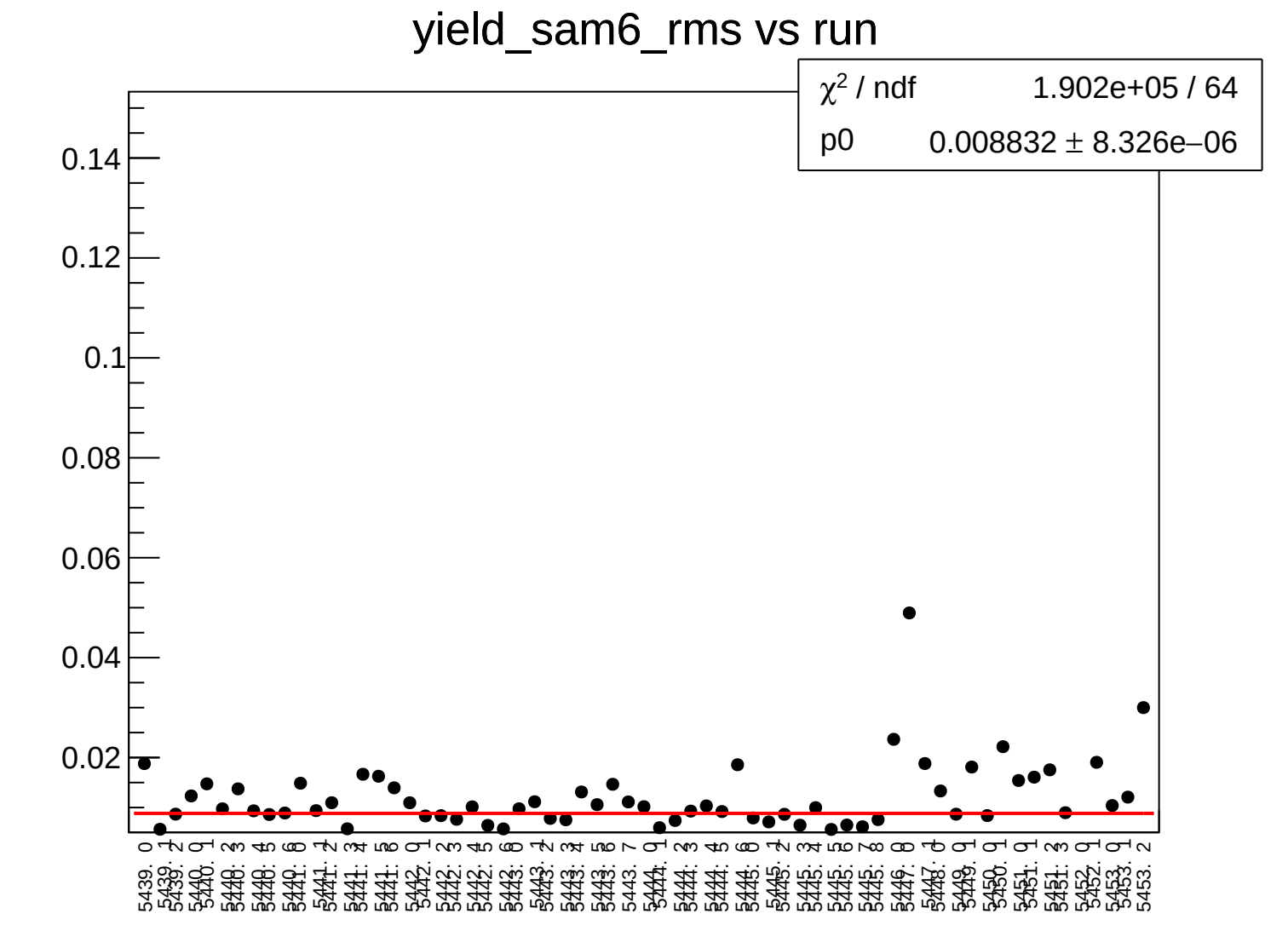

yield_sam5_mean vs run
χ² / ndf 9.227e+06 / 64
p0 21.56 ± 2.962e−05
21.8
21.6
21.4
21.2
21
20.8
pull
Entries 65
Mean 211.4
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

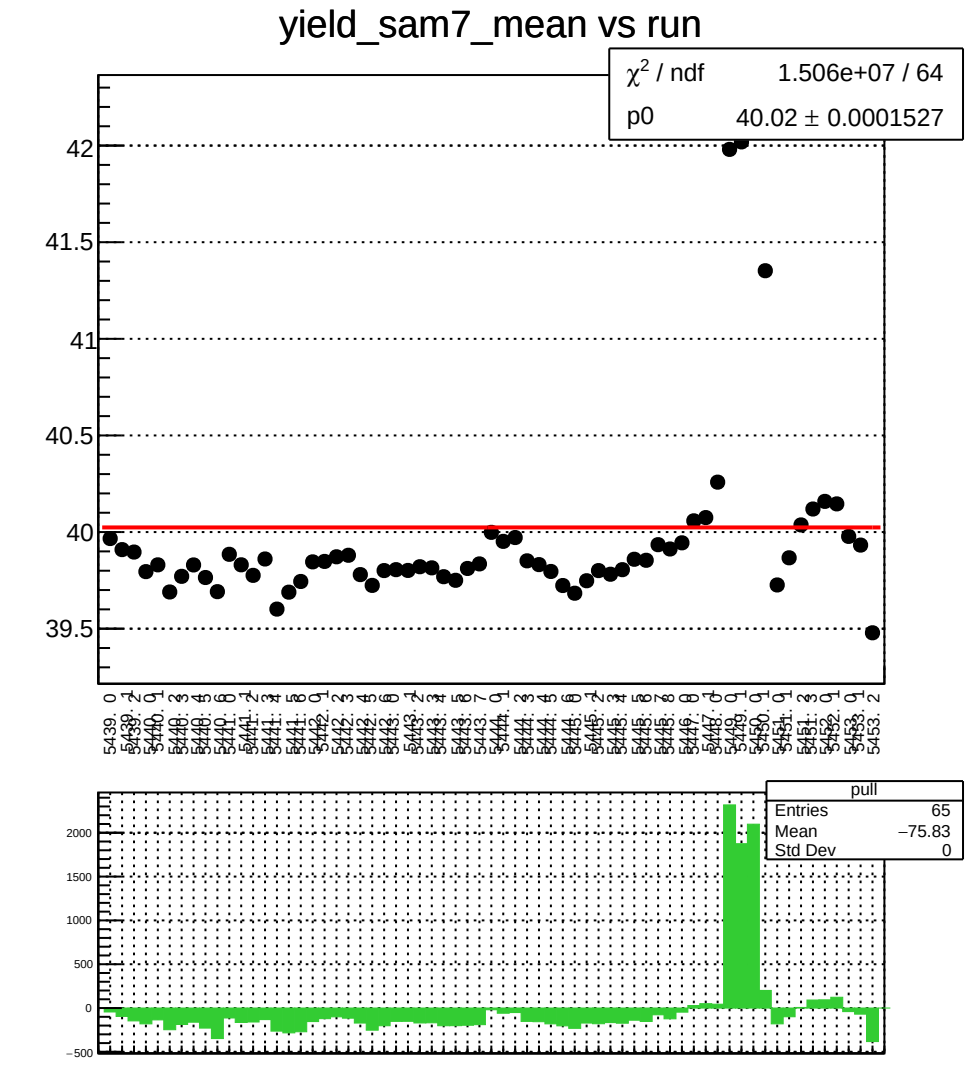

pull1D
Entries 65
Mean 1.593
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

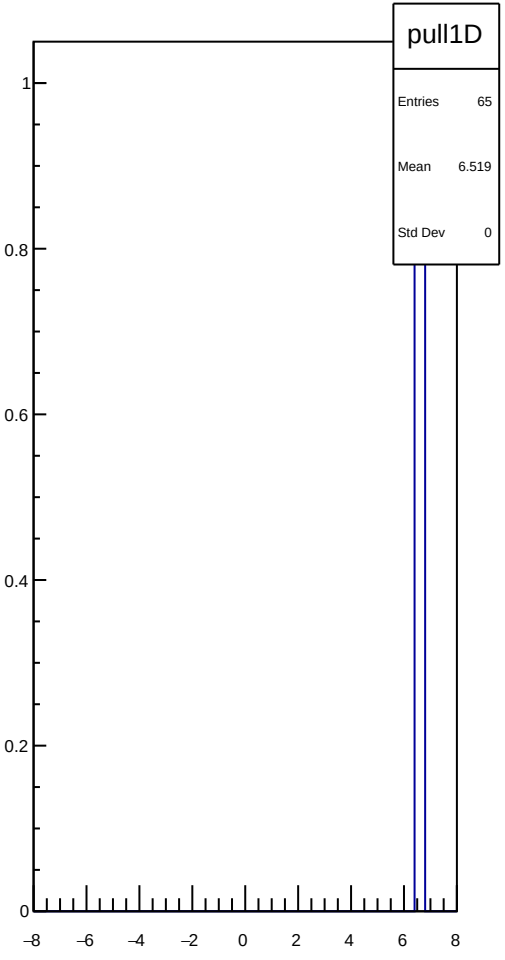

yield_sam5_rms vs run
χ² / ndf 1.538e+05 / 64
p0 0.02257 ± 2.094e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

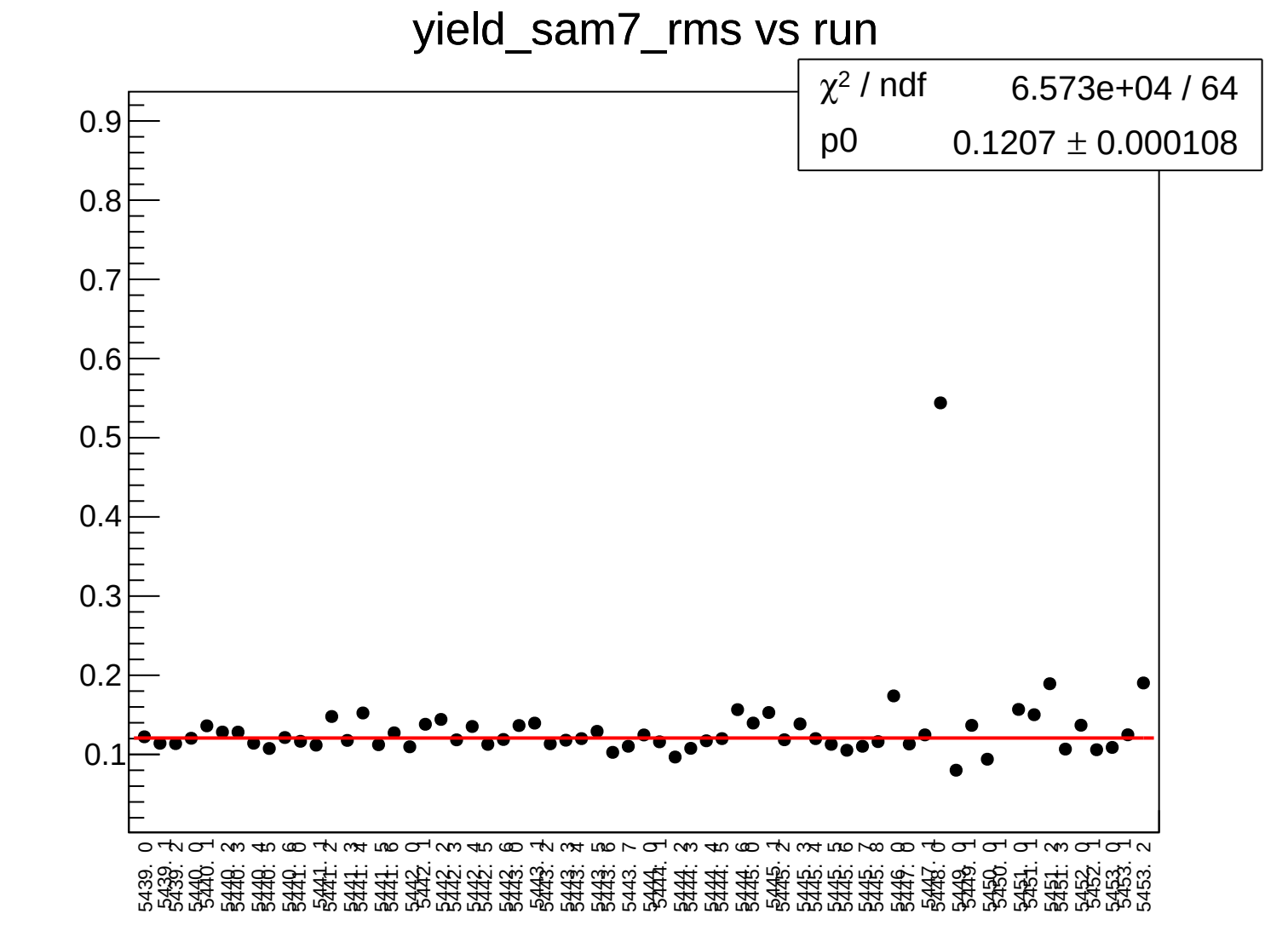

yield_sam6_mean vs run
χ² / ndf 4.002e+06 / 64
p0 11.23 ± 1.177e−05
11.3
11.25
11.2
11.15
11.1
11.05
11
10.95
10.9
pull
Entries 65
Mean 42.65
Std Dev 4.987
500
0
−500
−1000
−1500

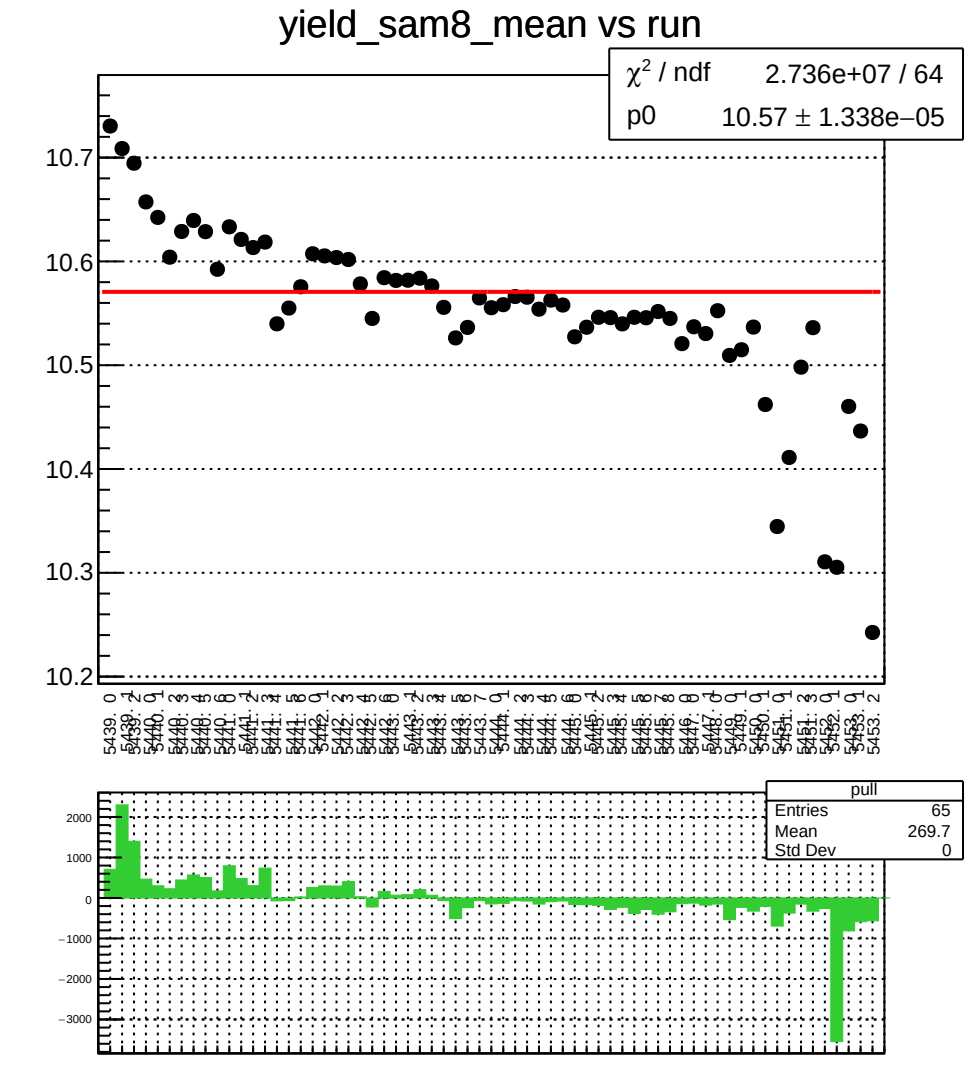

pull1D
Entries 65
Mean 3.205
Std Dev 3.586
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

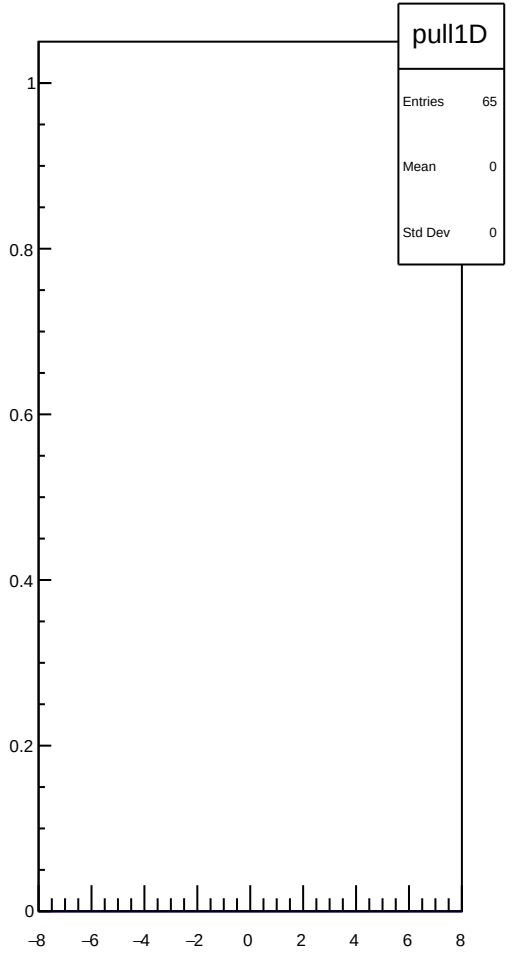

yield_sam6_rms vs run
χ² / ndf 1.902e+05 / 64
p0 0.008832 ± 8.326e−06
0.14
0.12
0.1
0.08
0.06
0.04
0.02

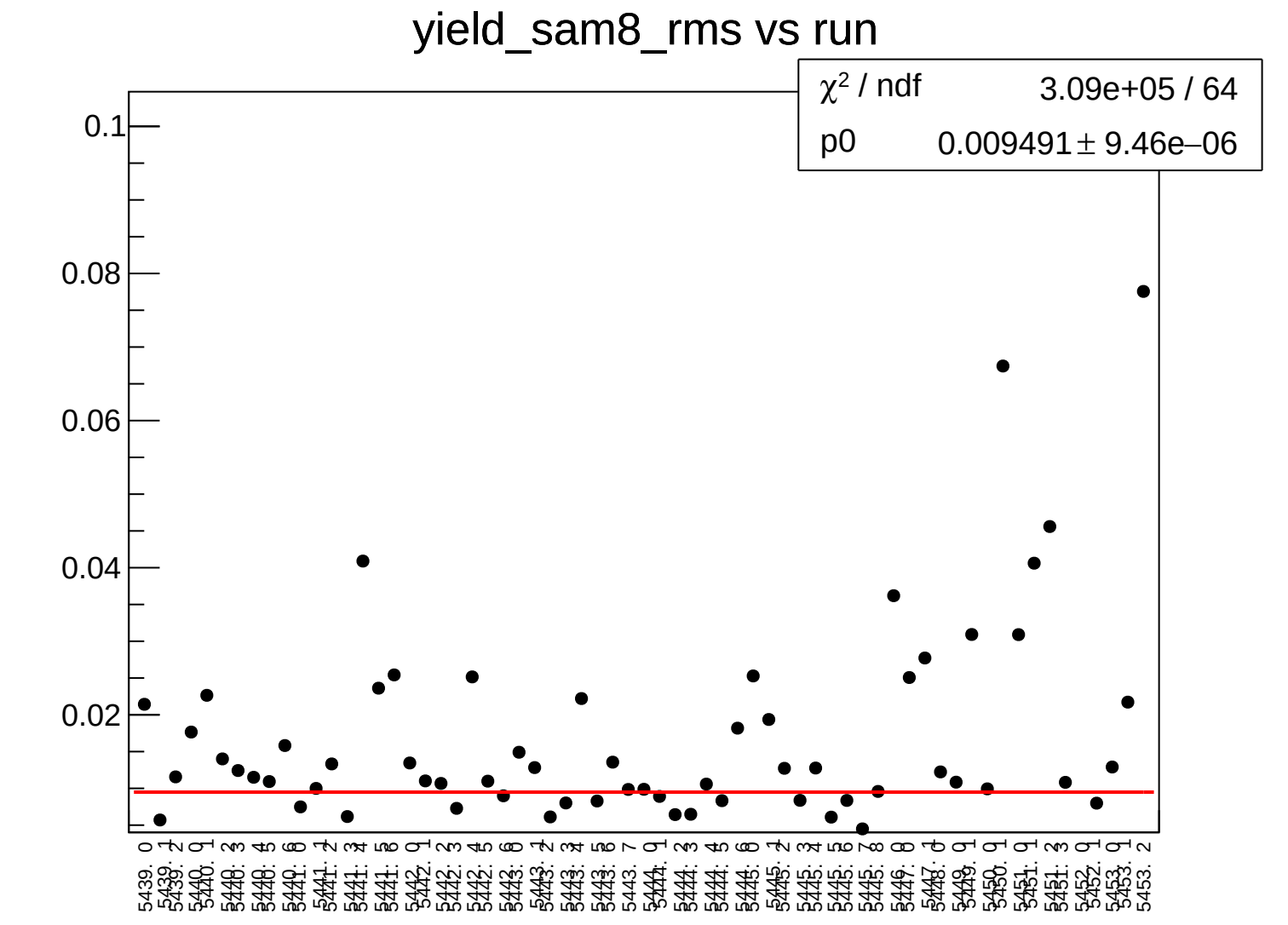

yield_sam7_mean vs run
χ² / ndf 1.506e+07 / 64
p0 40.02 ± 0.0001527
42
41.5
41
40.5
40
39.5
pull
Entries 65
Mean −75.83
Std Dev 0
2000
1500
1000
500
0
−500

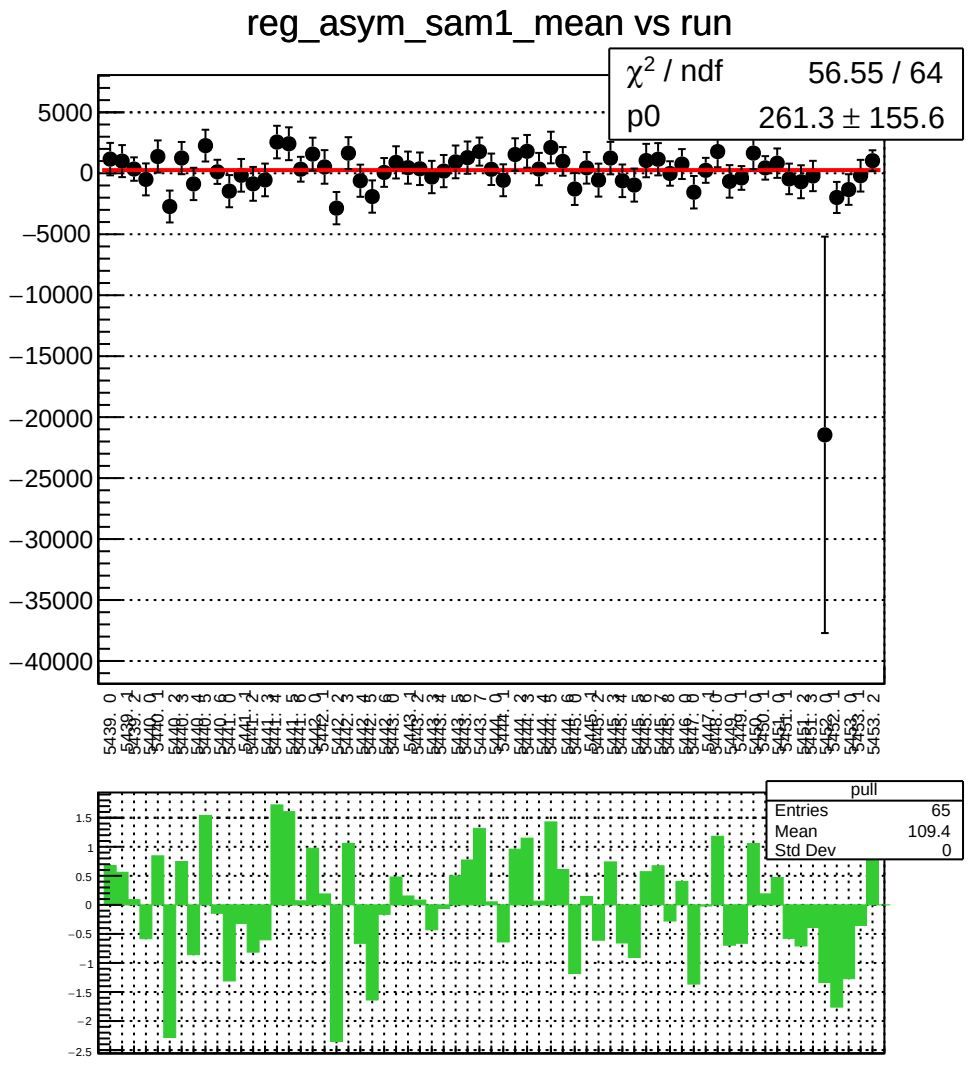

pull1D
Entries 65
Mean 6.519
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

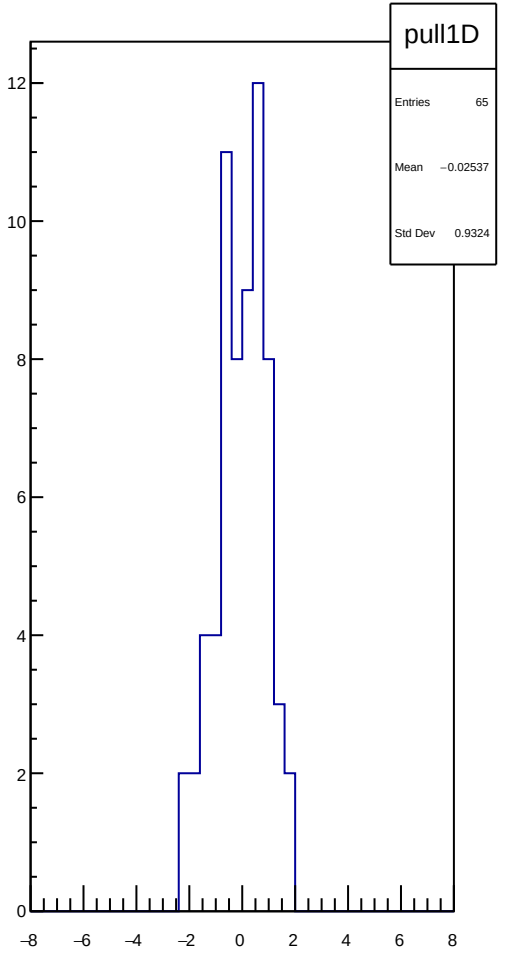

yield_sam7_rms vs run
χ² / ndf 6.573e+04 / 64
p0 0.1207 ± 0.000108
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

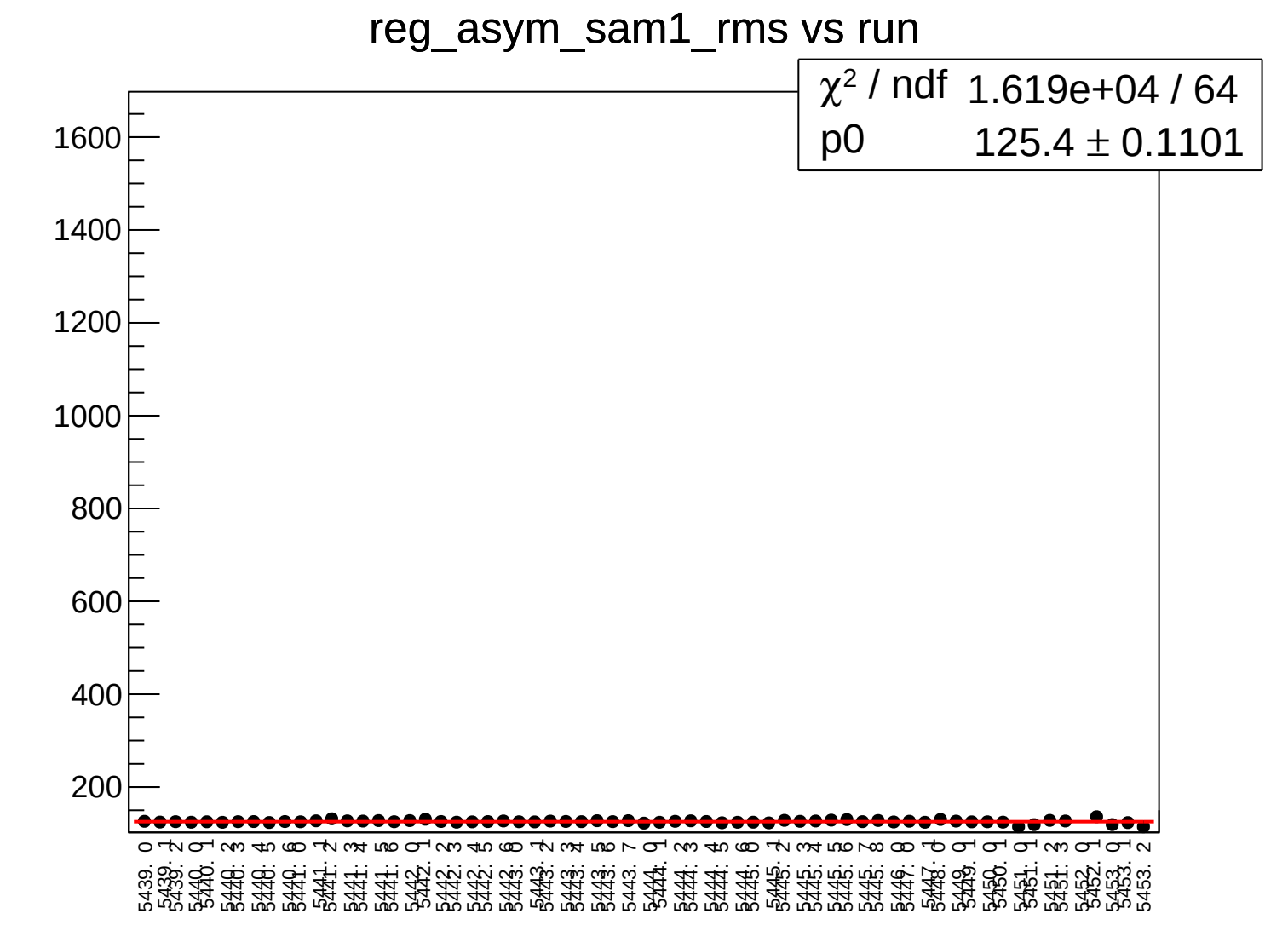

yield_sam8_mean vs run
χ² / ndf 2.736e+07 / 64
p0 10.57 ± 1.338e−05
10.7
10.6
10.5
10.4
10.3
10.2
pull
Entries 65
Mean 269.7
Std Dev 0
2000
1000
0
−1000
−2000
−3000

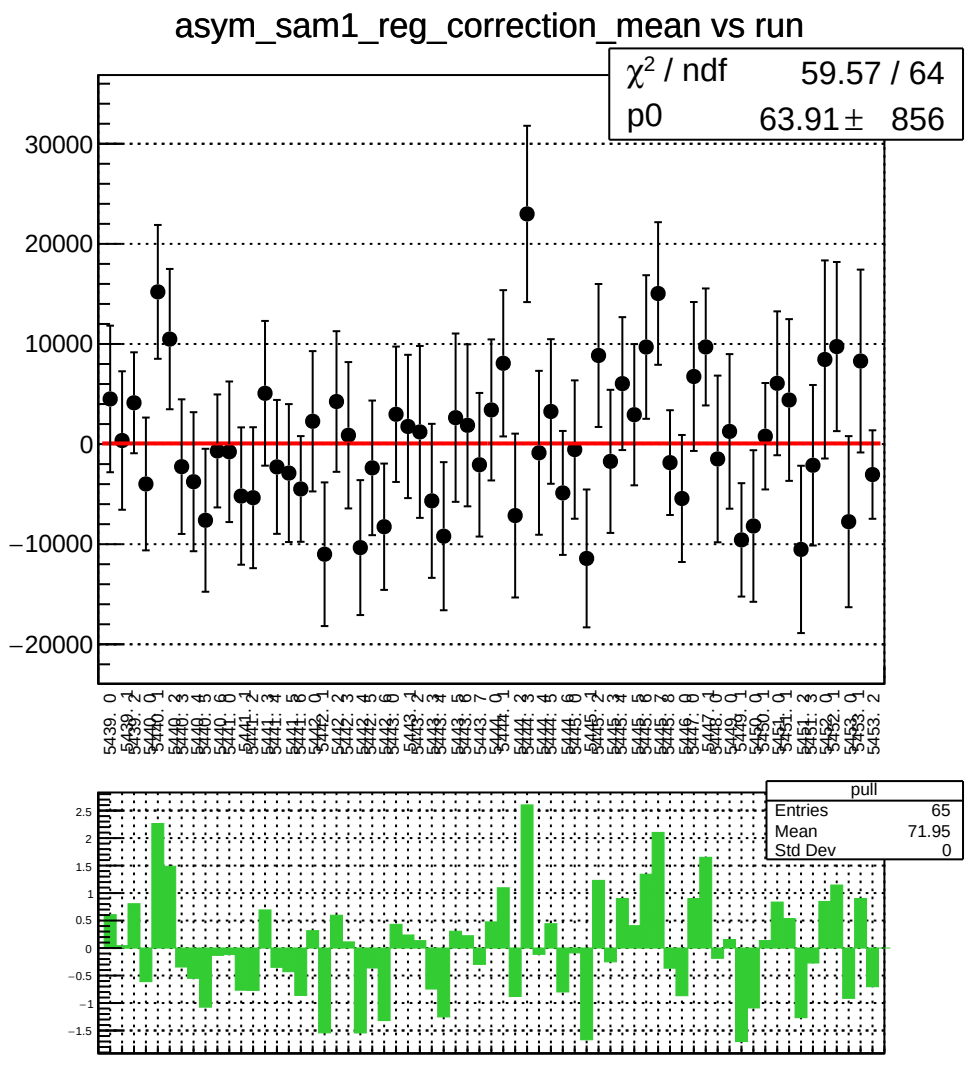

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

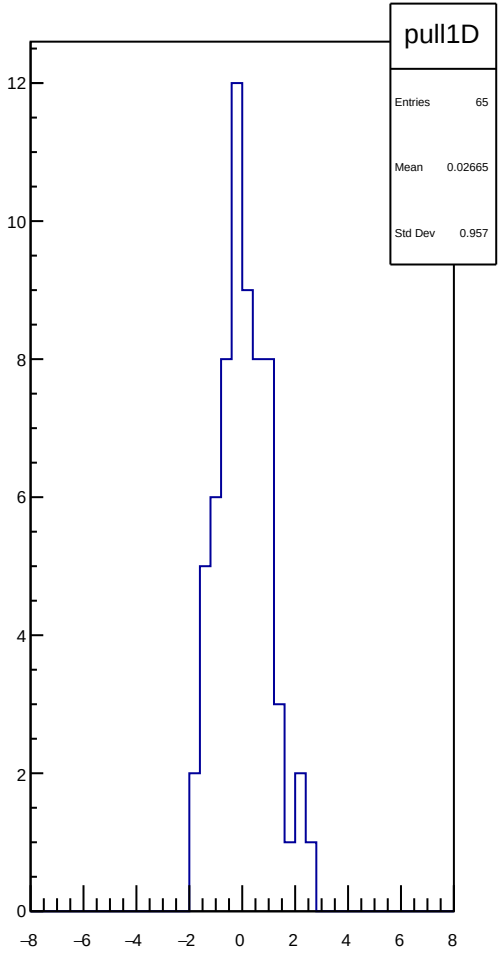

yield_sam8_rms vs run
χ² / ndf 3.09e+05 / 64
p0 0.009491 ± 9.46e–06
0.1
0.08
0.06
0.04
0.02

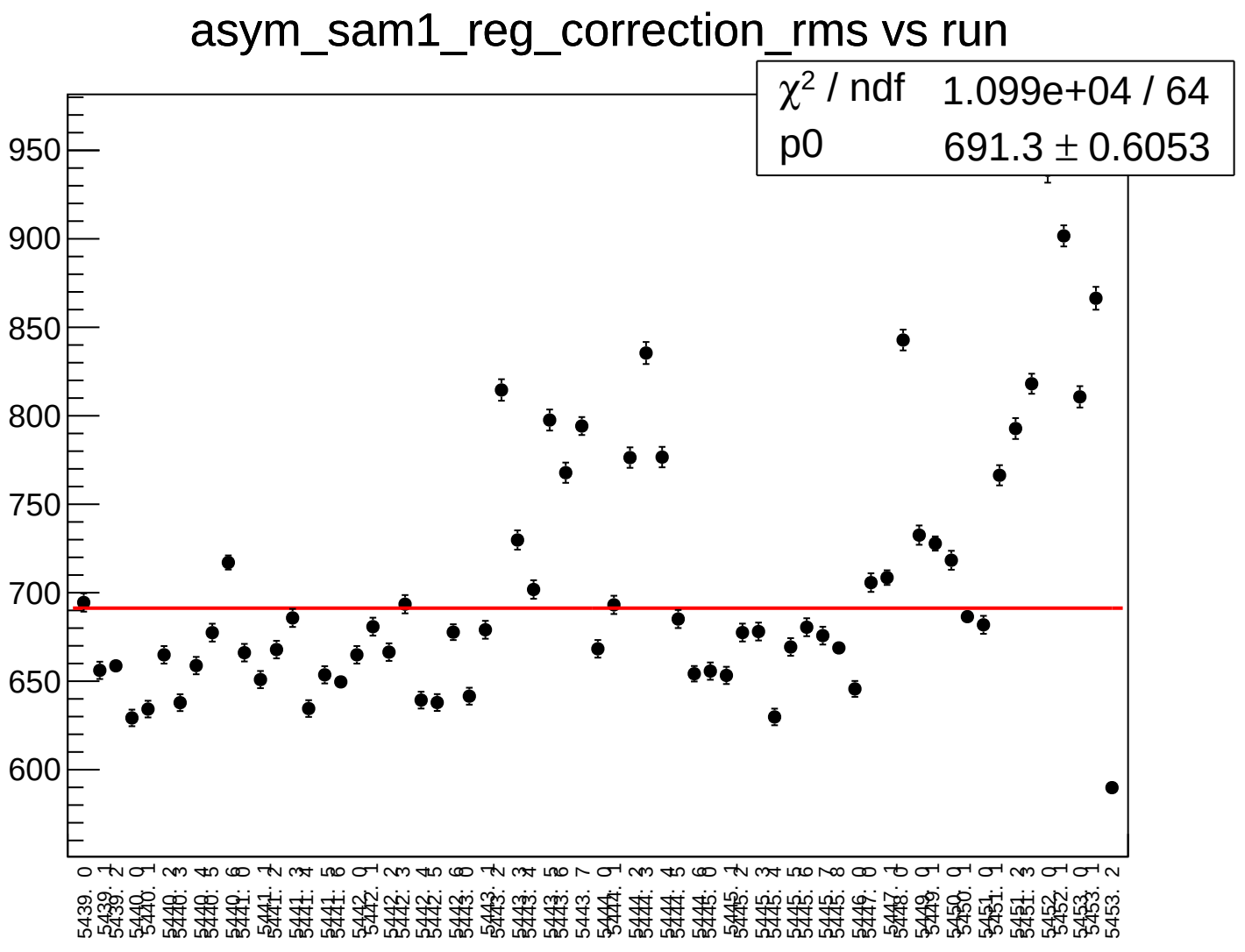

reg_asym_sam1_mean vs run
χ^2 / ndf 56.55 / 64
p0 261.3 ± 155.6
pull
Entries 65
Mean 109.4
Std Dev 0

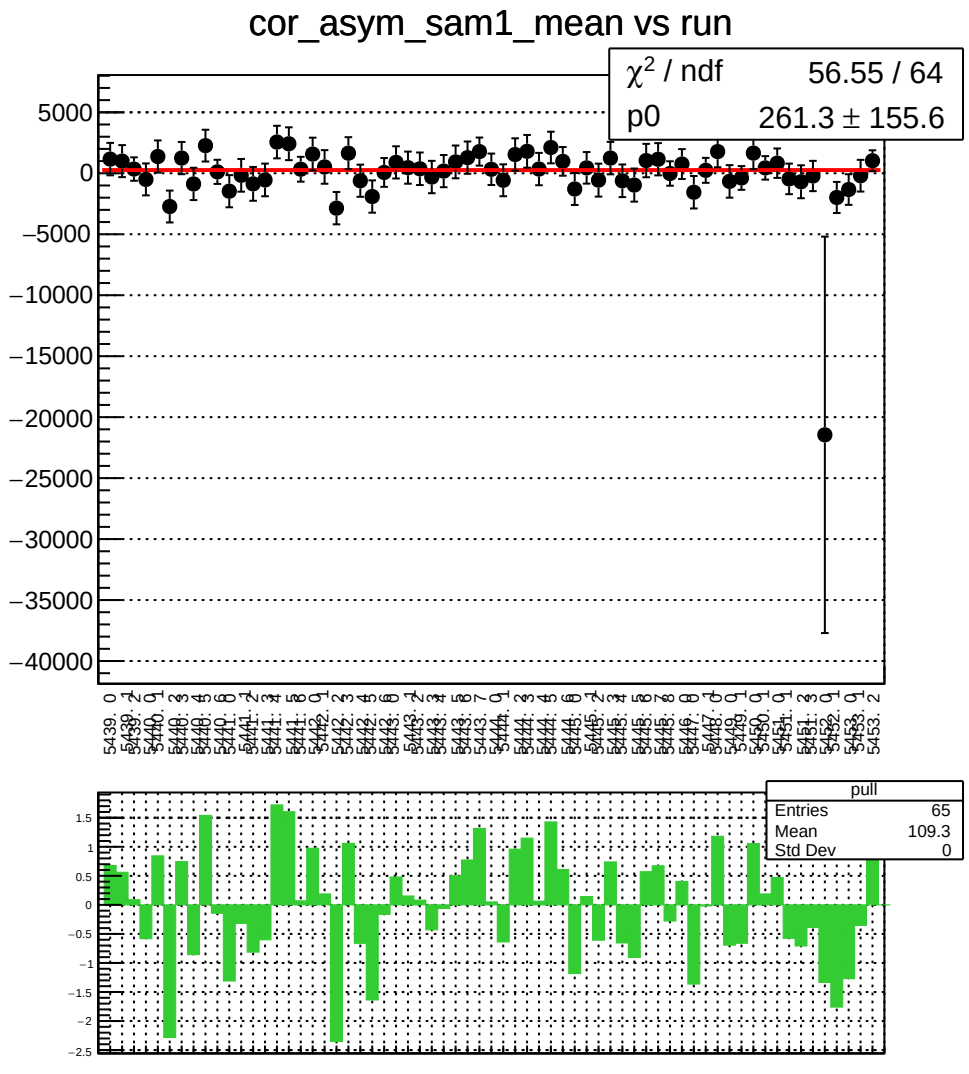

pull1D
Entries 65
Mean −0.02537
Std Dev 0.9324

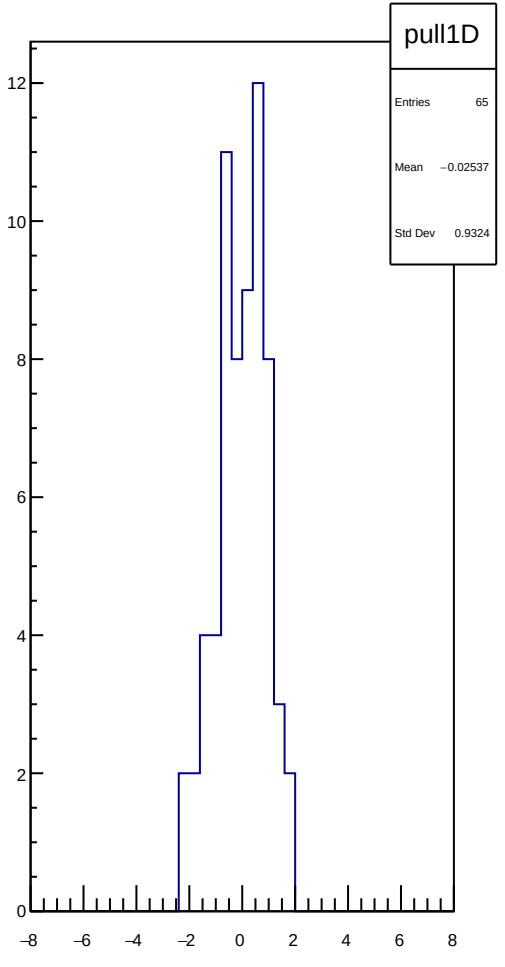

reg_asym_sam1_rms vs run
χ² / ndf 1.619e+04 / 64
p0 125.4 ± 0.1101
1600
1400
1200
1000
800
600
400
200

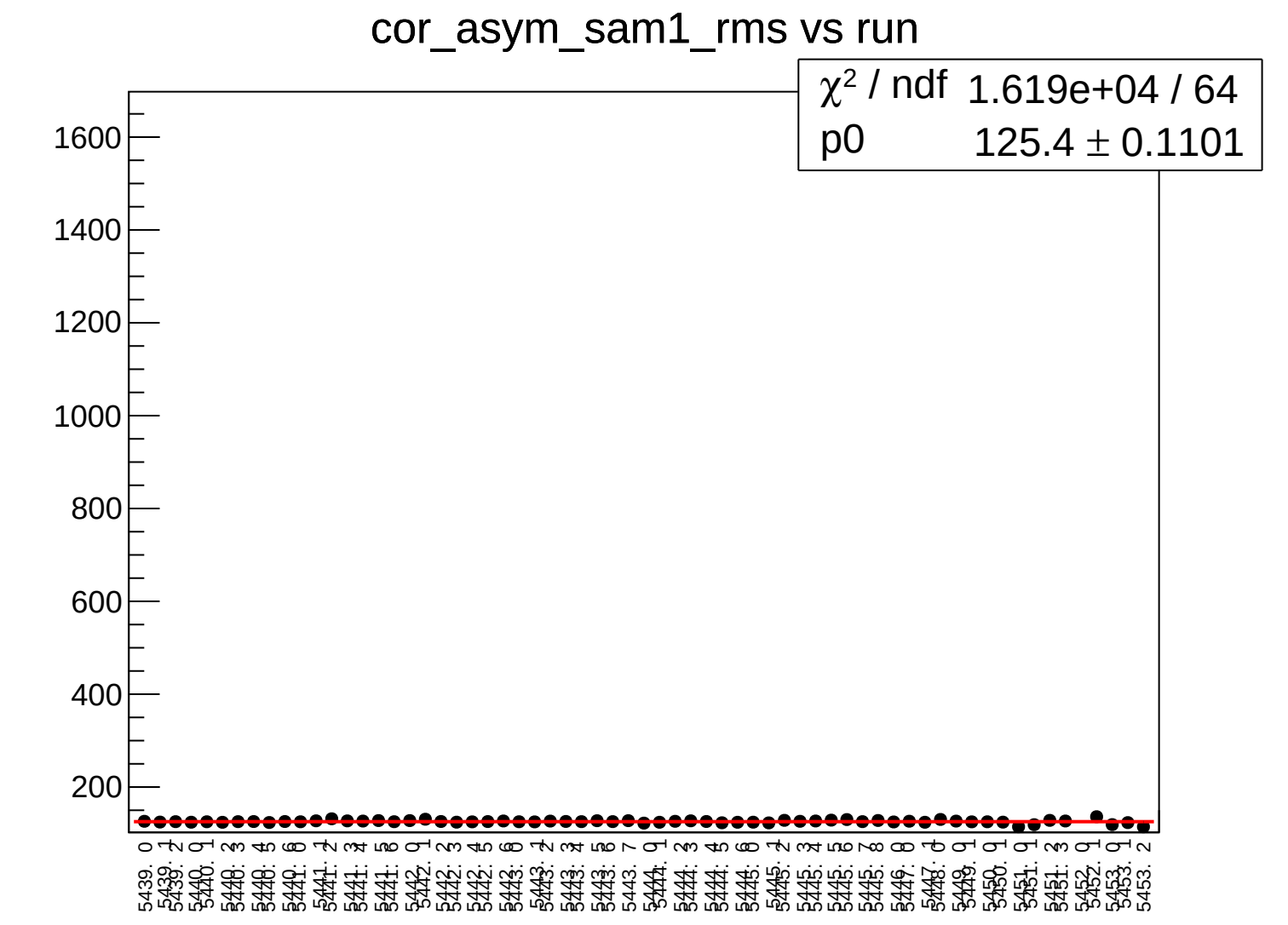

asym_sam1_reg_correction_mean vs run
χ² / ndf 59.57 / 64
p0 63.91 ± 856
pull
Entries 65
Mean 71.95
Std Dev 0

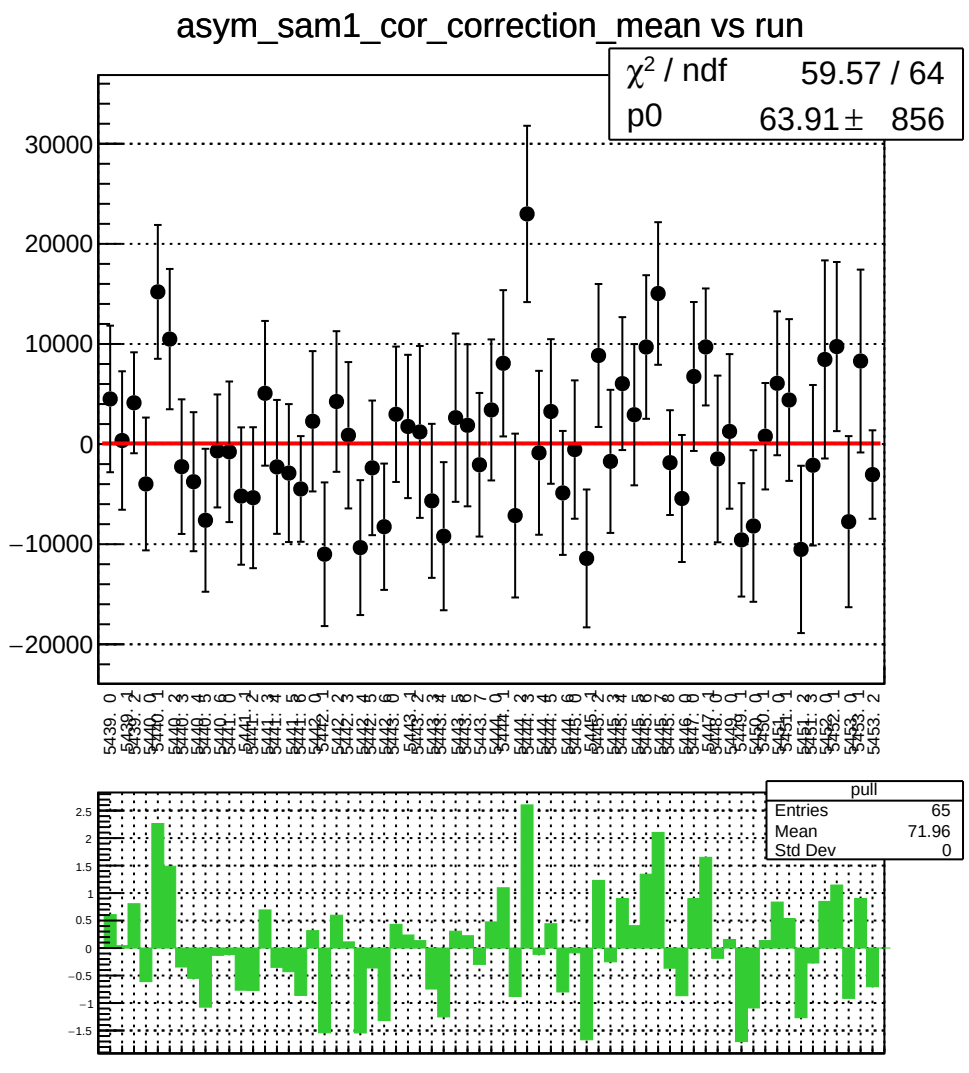

pull1D
Entries 65
Mean 0.02665
Std Dev 0.957

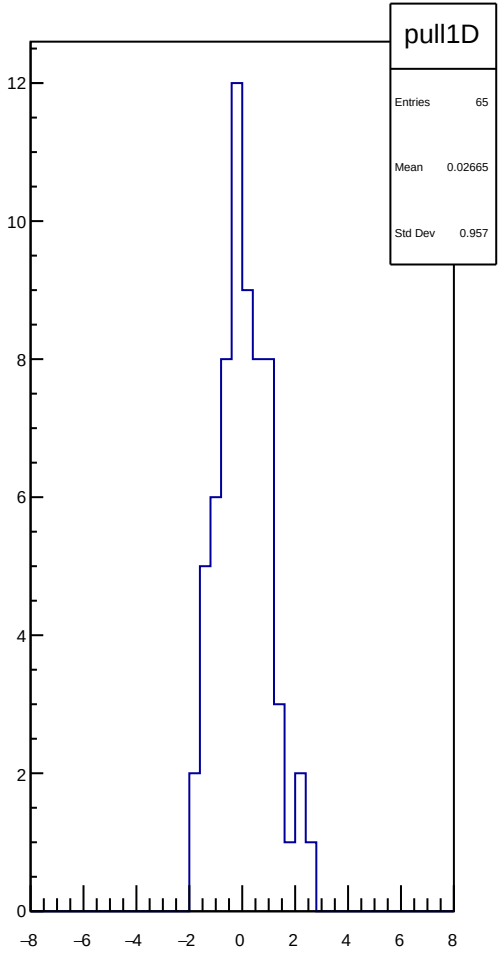

asym_sam1_reg_correction_rms vs run
χ² / ndf 1.099e+04 / 64
p0 691.3 ± 0.6053
950
900
850
800
750
700
650
600

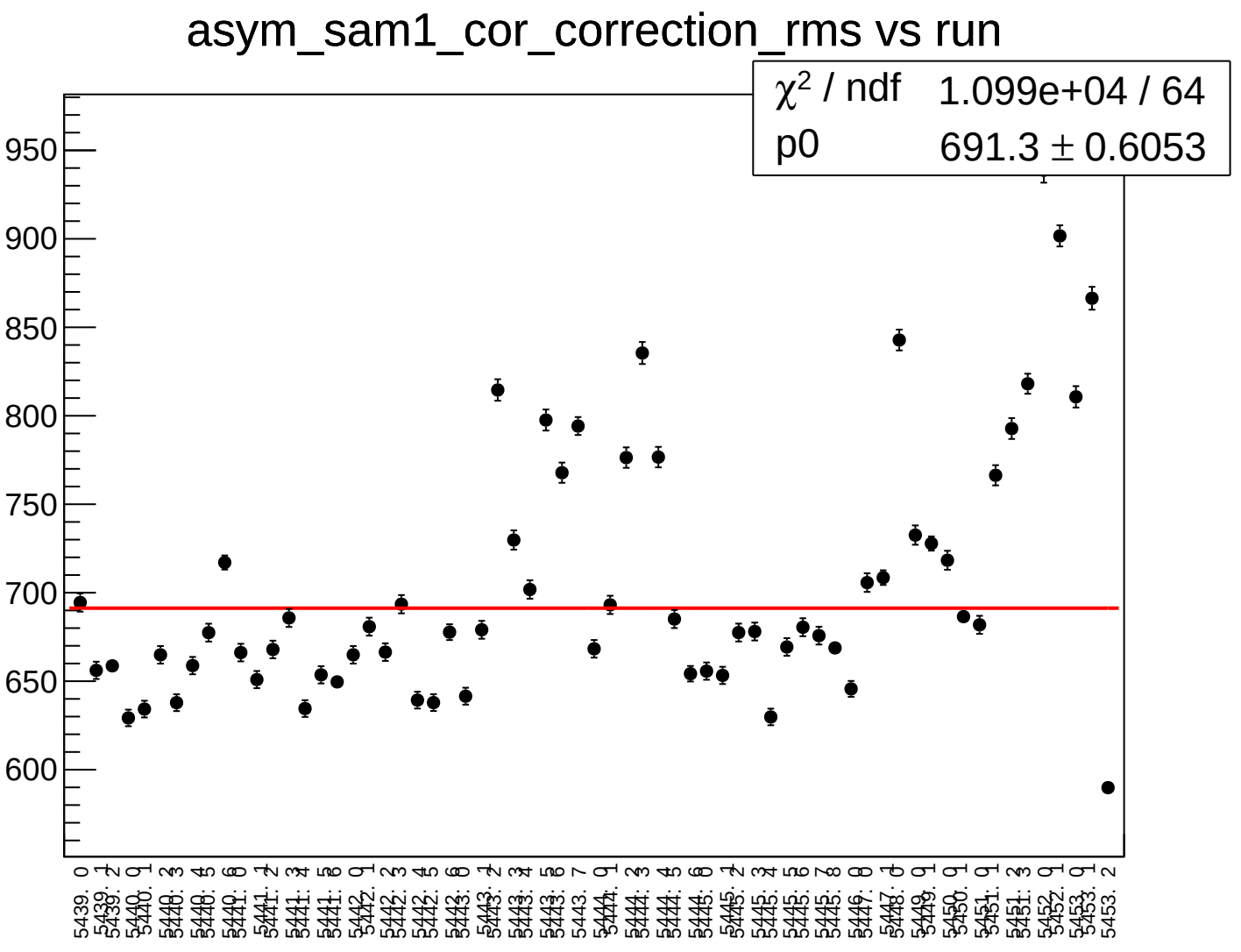

cor_asym_sam1_mean vs run
χ² / ndf 56.55 / 64
p0 261.3 ± 155.6
pull
Entries 65
Mean 109.3
Std Dev 0

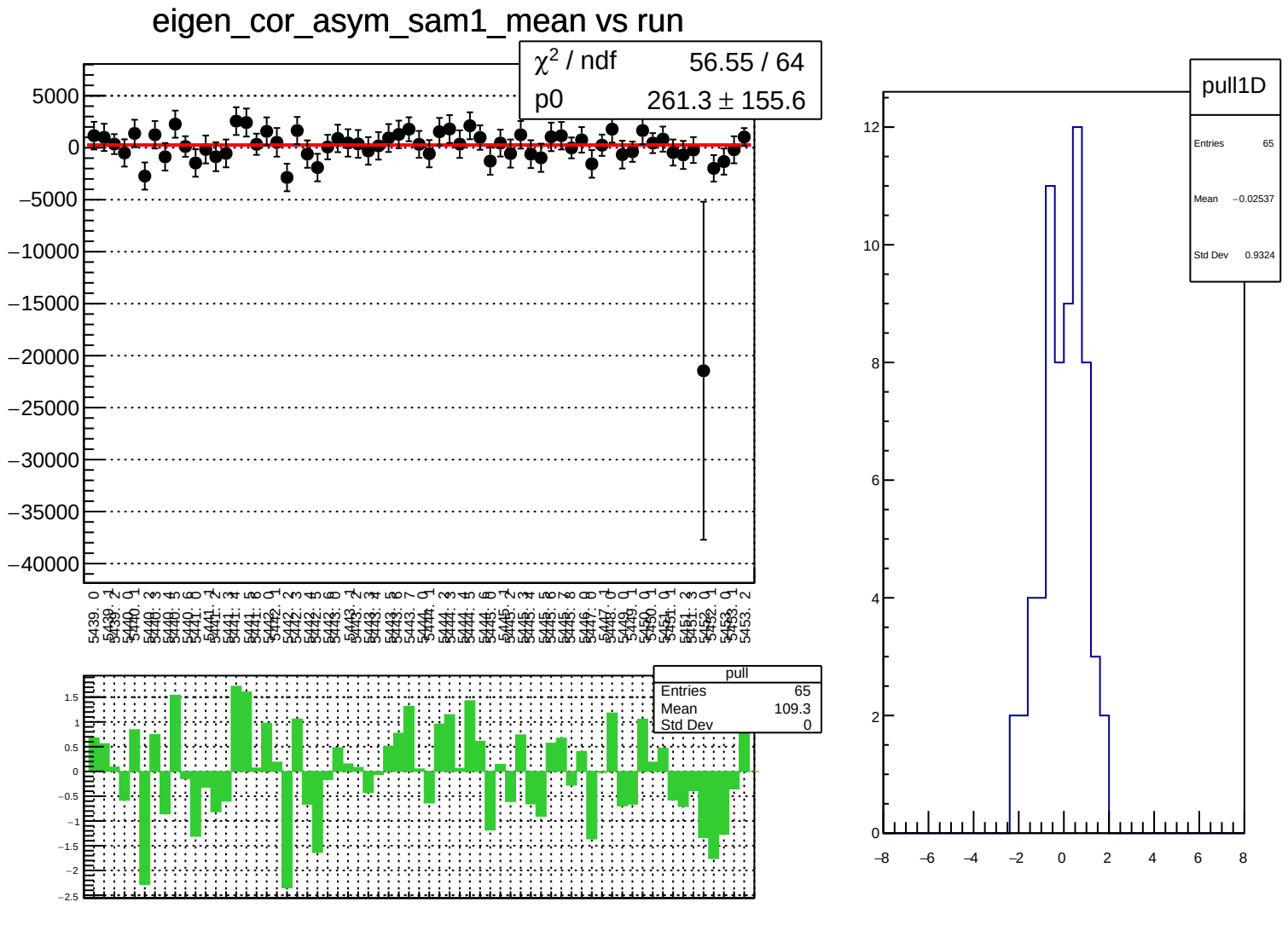

pull1D
Entries 65
Mean −0.02537
Std Dev 0.9324

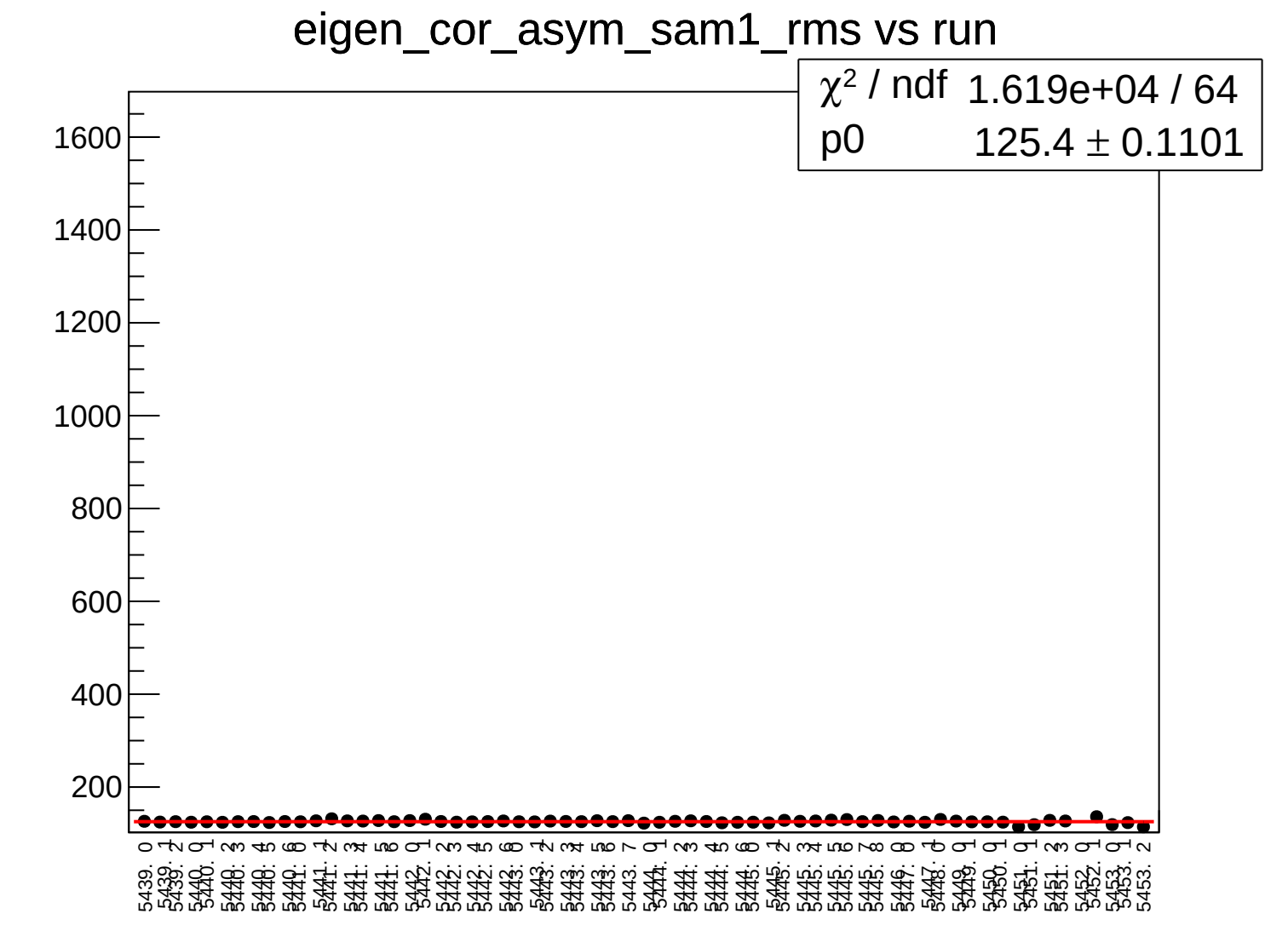

cor_asym_sam1_rms vs run
χ² / ndf 1.619e+04 / 64
p0 125.4 ± 0.1101
1600
1400
1200
1000
800
600
400
200

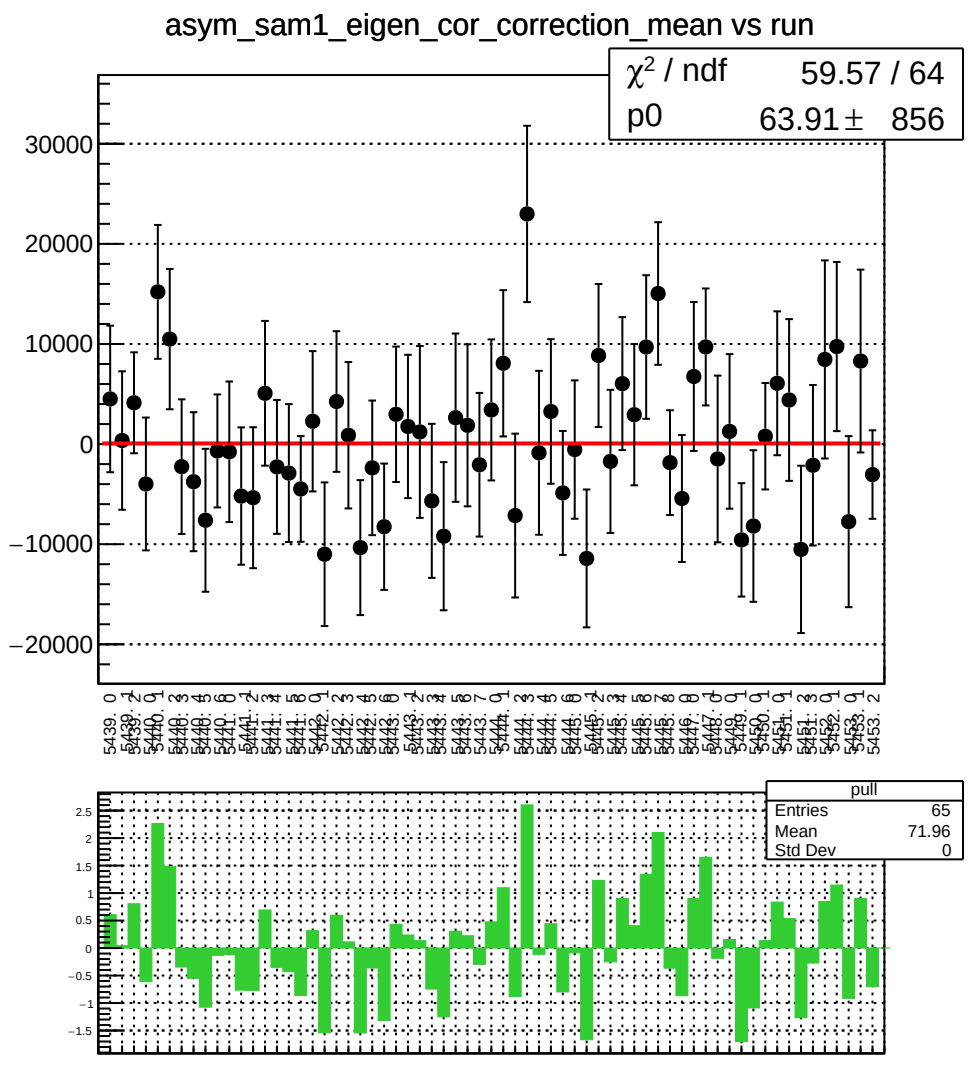

asym_sam1_cor_correction_mean vs run
χ² / ndf 59.57 / 64
p0 63.91 ± 856
pull
Entries 65
Mean 71.96
Std Dev 0

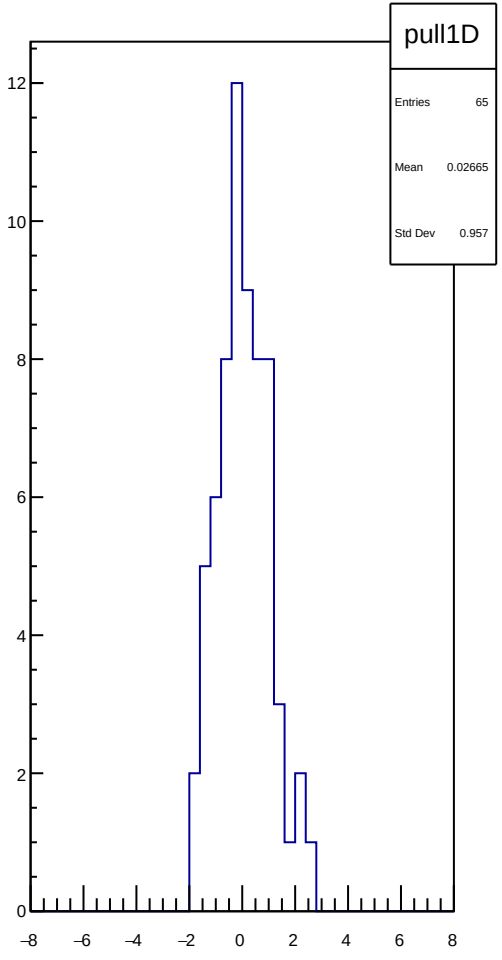

pull1D
Entries 65
Mean 0.02665
Std Dev 0.957

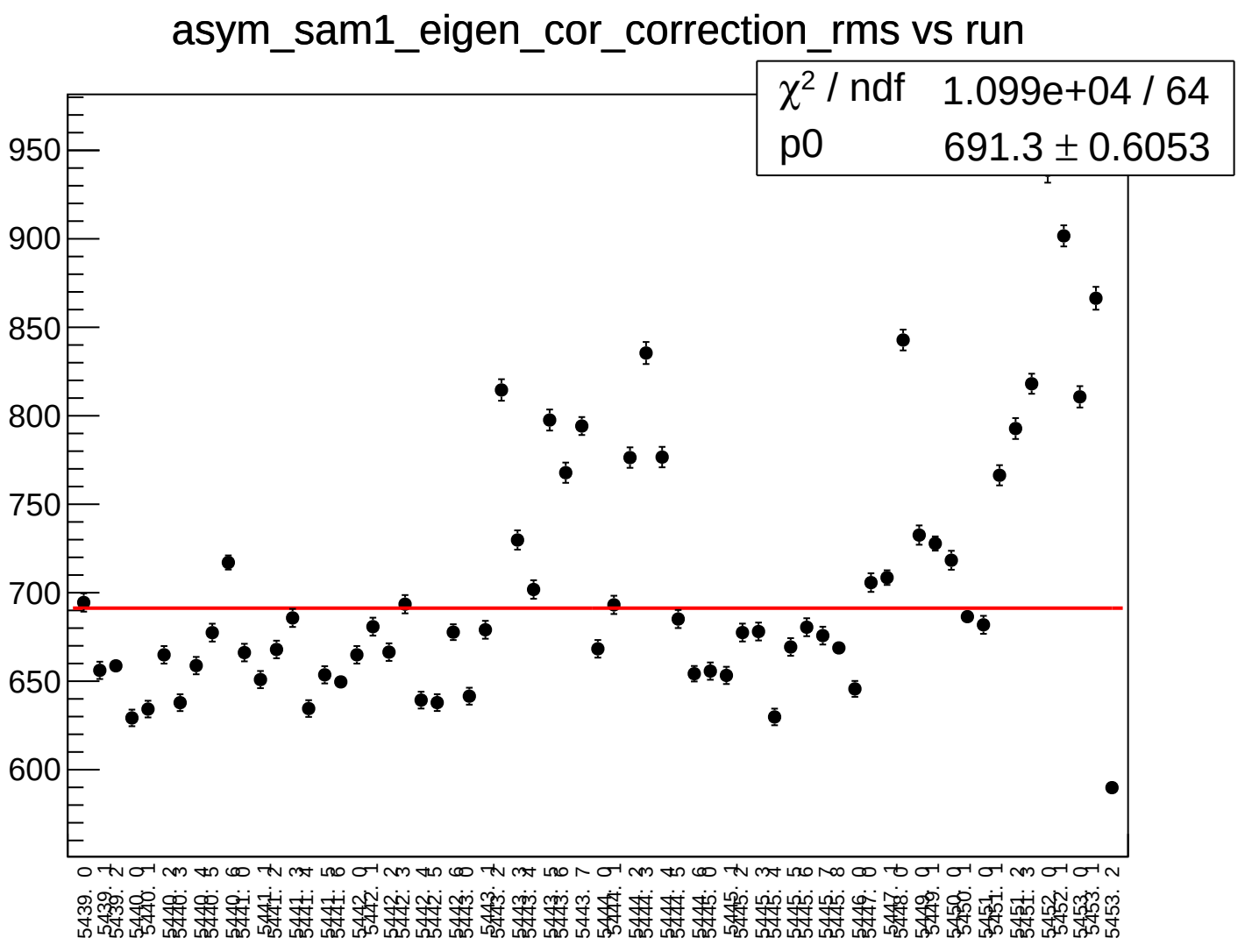

asym_sam1_cor_correction_rms vs run
χ² / ndf 1.099e+04 / 64
p0 691.3 ± 0.6053
950
900
850
800
750
700
650
600

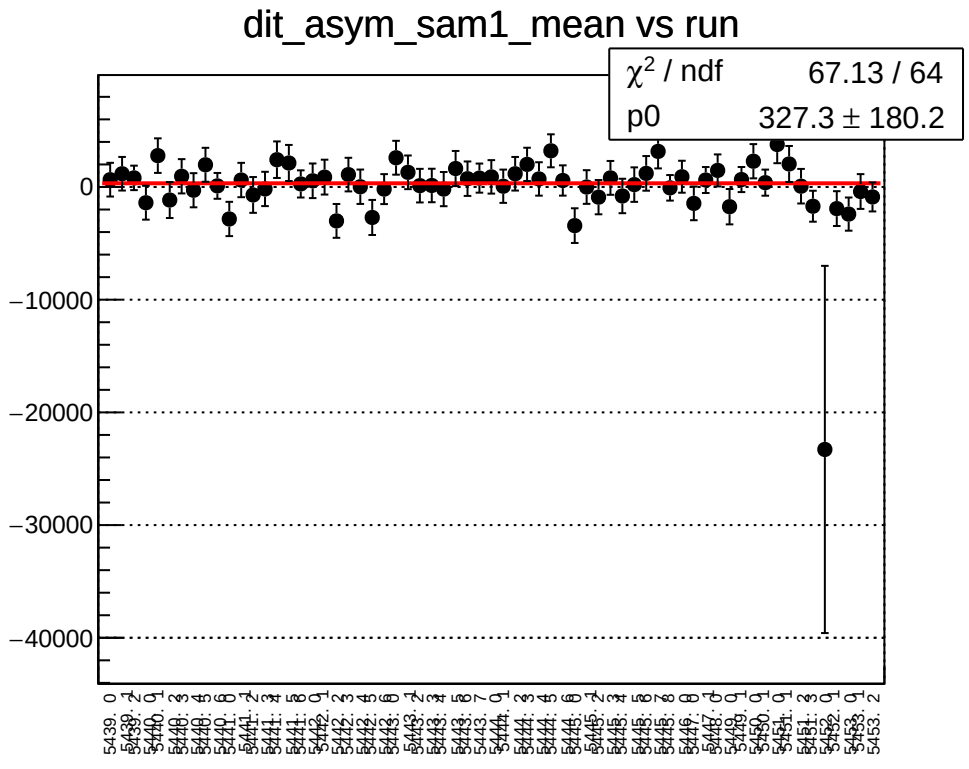

eigen_cor_asym_sam1_mean vs run
χ² / ndf 56.55 / 64
p0 261.3 ± 155.6
pull
Entries 65
Mean 109.3
Std Dev 0
pull1D
Entries 65
Mean −0.02537
Std Dev 0.9324

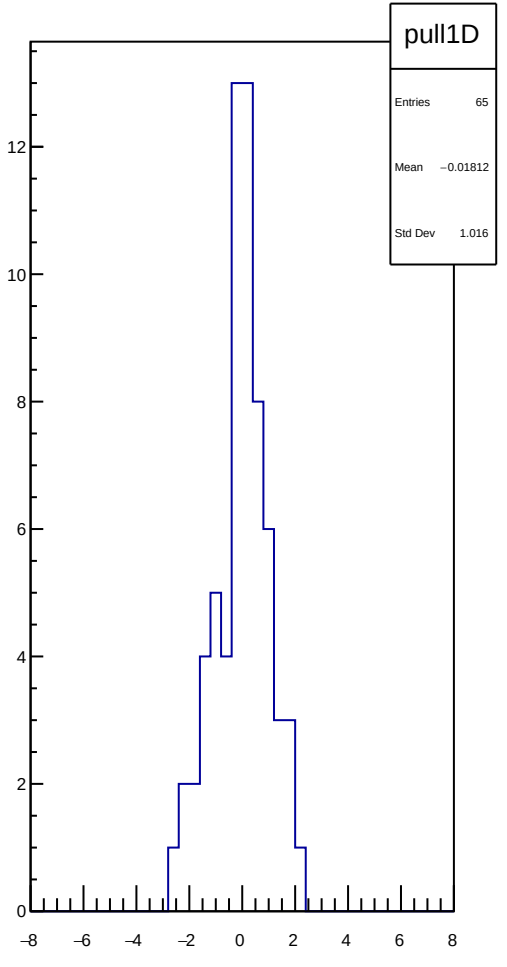

eigen_cor_asym_sam1_rms vs run
χ² / ndf 1.619e+04 / 64
p0 125.4 ± 0.1101
1600
1400
1200
1000
800
600
400
200

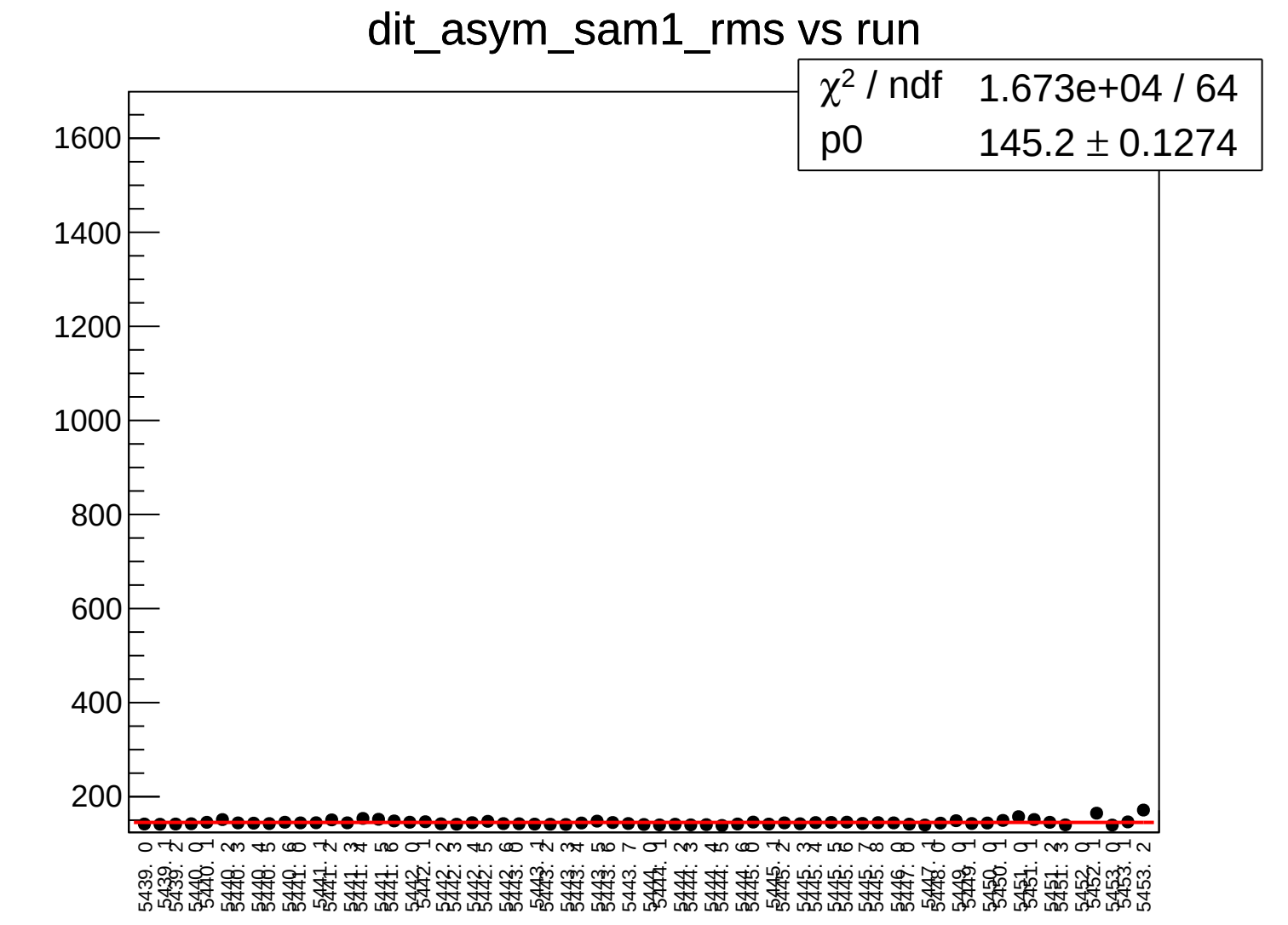

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 59.57 / 64
p0 63.91 ± 856
pull
Entries 65
Mean 71.96
Std Dev 0

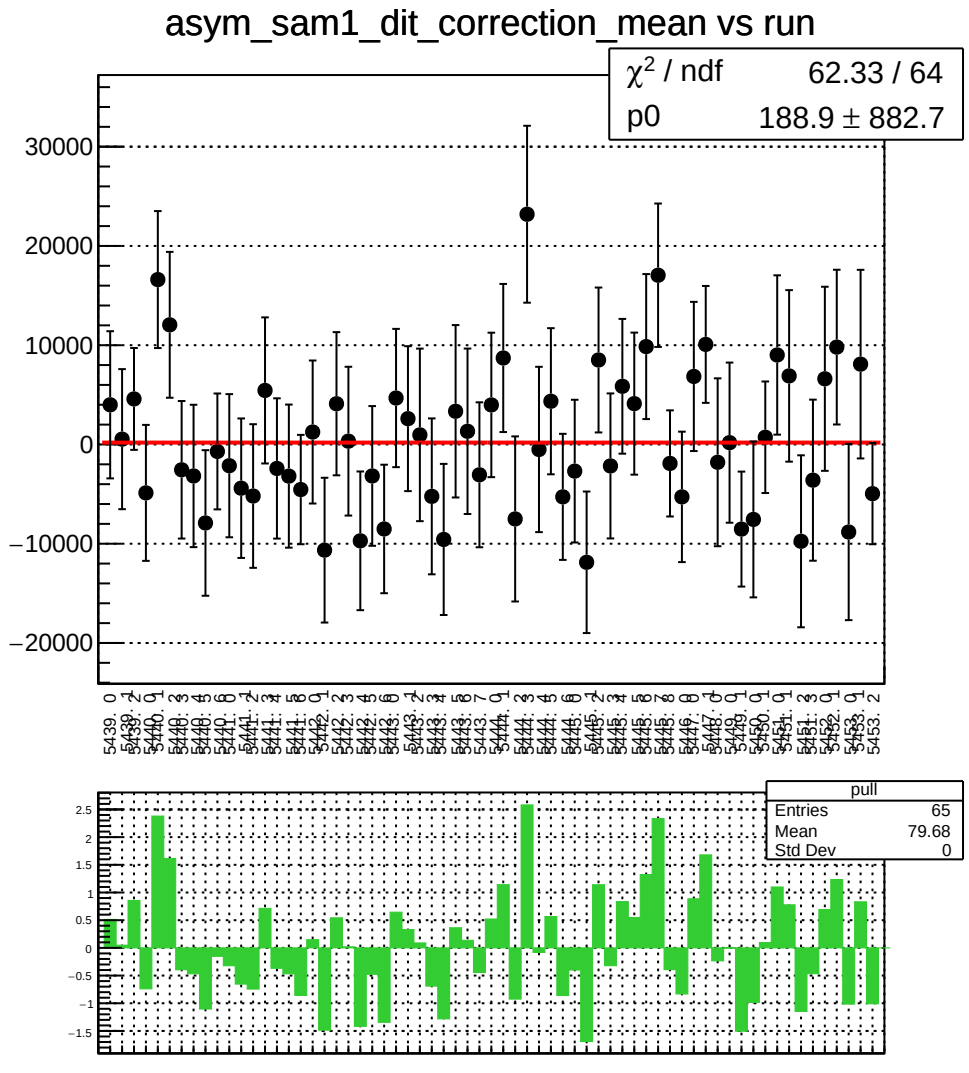

pull1D
Entries 65
Mean 0.02665
Std Dev 0.957

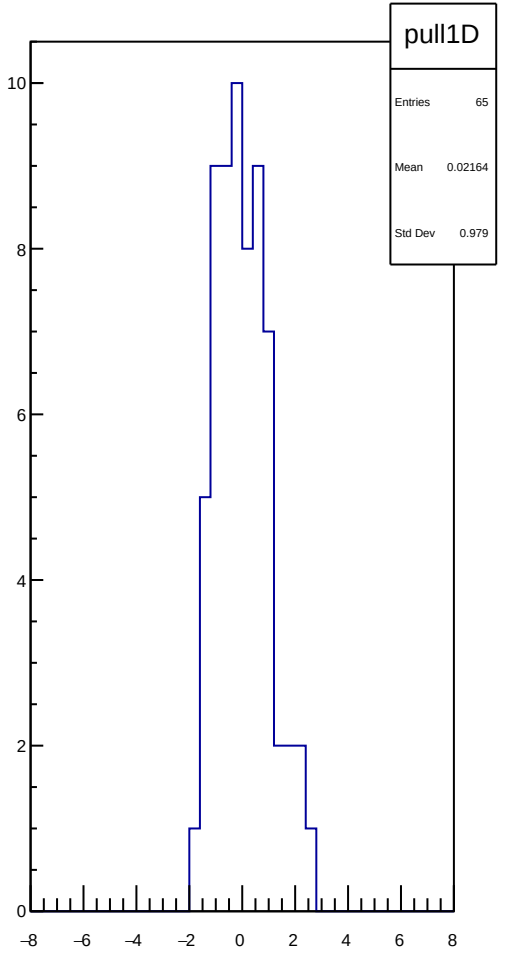

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 1.099e+04 / 64
p0 691.3 ± 0.6053
950
900
850
800
750
700
650
600

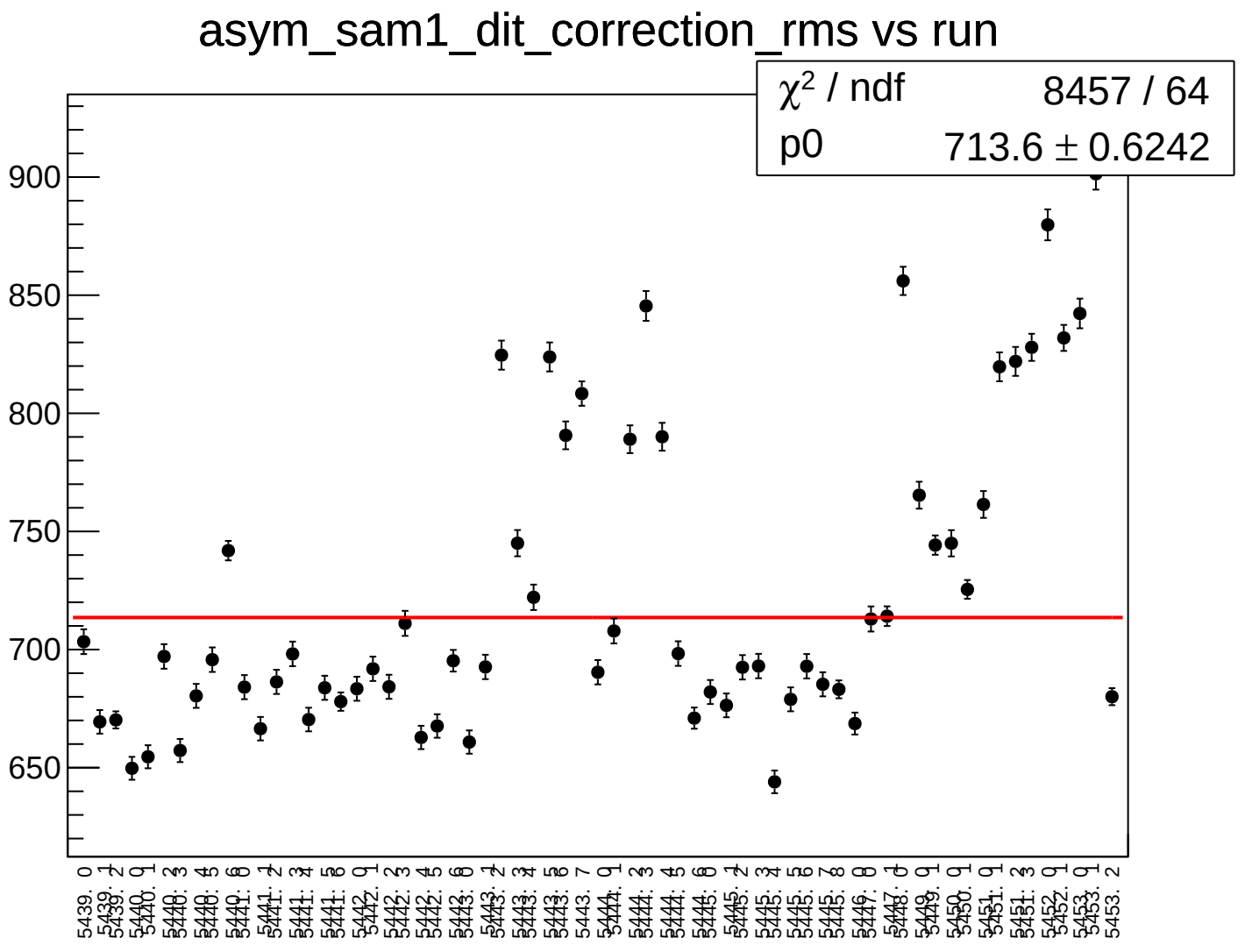

dit_asym_sam1_mean vs run
χ² / ndf 67.13 / 64
p0 327.3 ± 180.2
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean 139.5
Std Dev 0

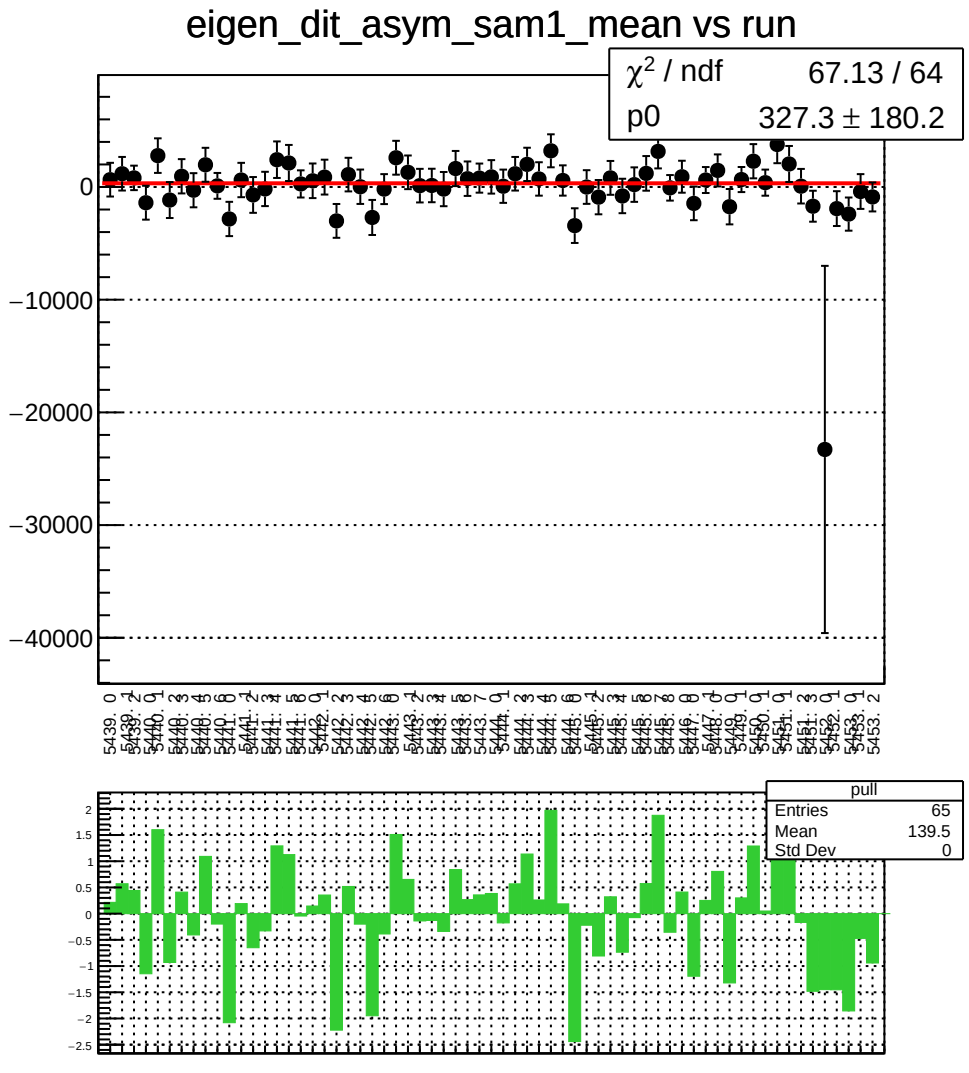

pull1D
Entries 65
Mean −0.01812
Std Dev 1.016

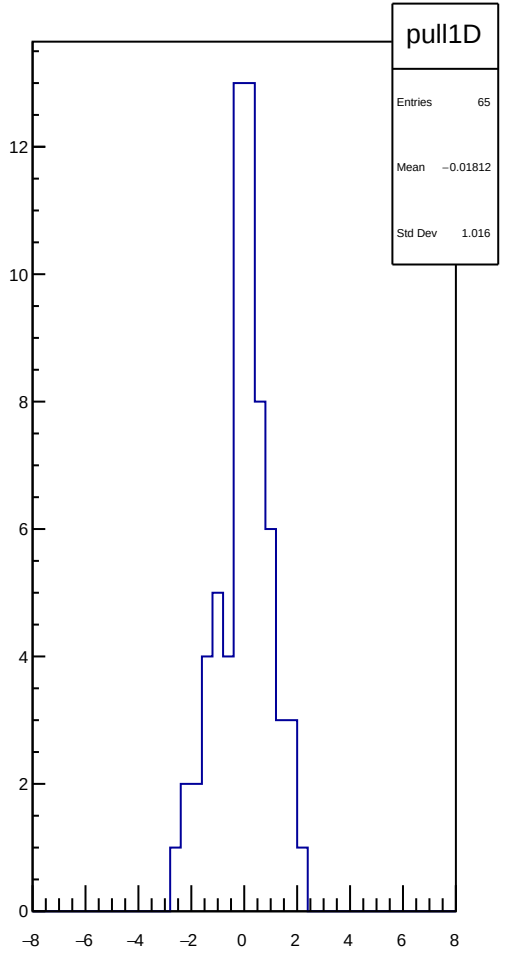

dit_asym_sam1_rms vs run
χ² / ndf 1.673e+04 / 64
p0 145.2 ± 0.1274
1600
1400
1200
1000
800
600
400
200

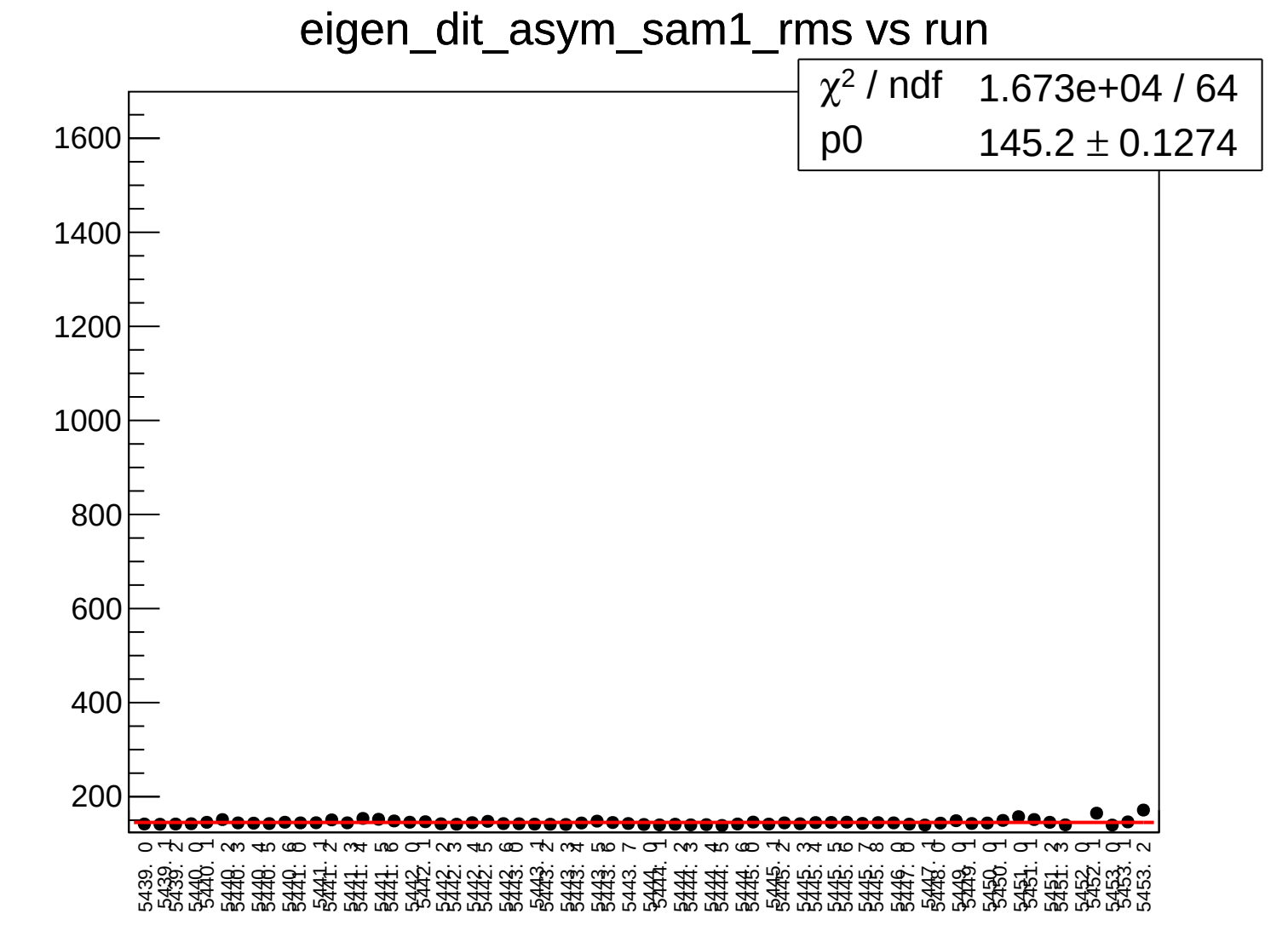

asym_sam1_dit_correction_mean vs run
χ² / ndf 62.33 / 64
p0 188.9 ± 882.7
30000
20000
10000
0
−10000
−20000
pull
Entries 65
Mean 79.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

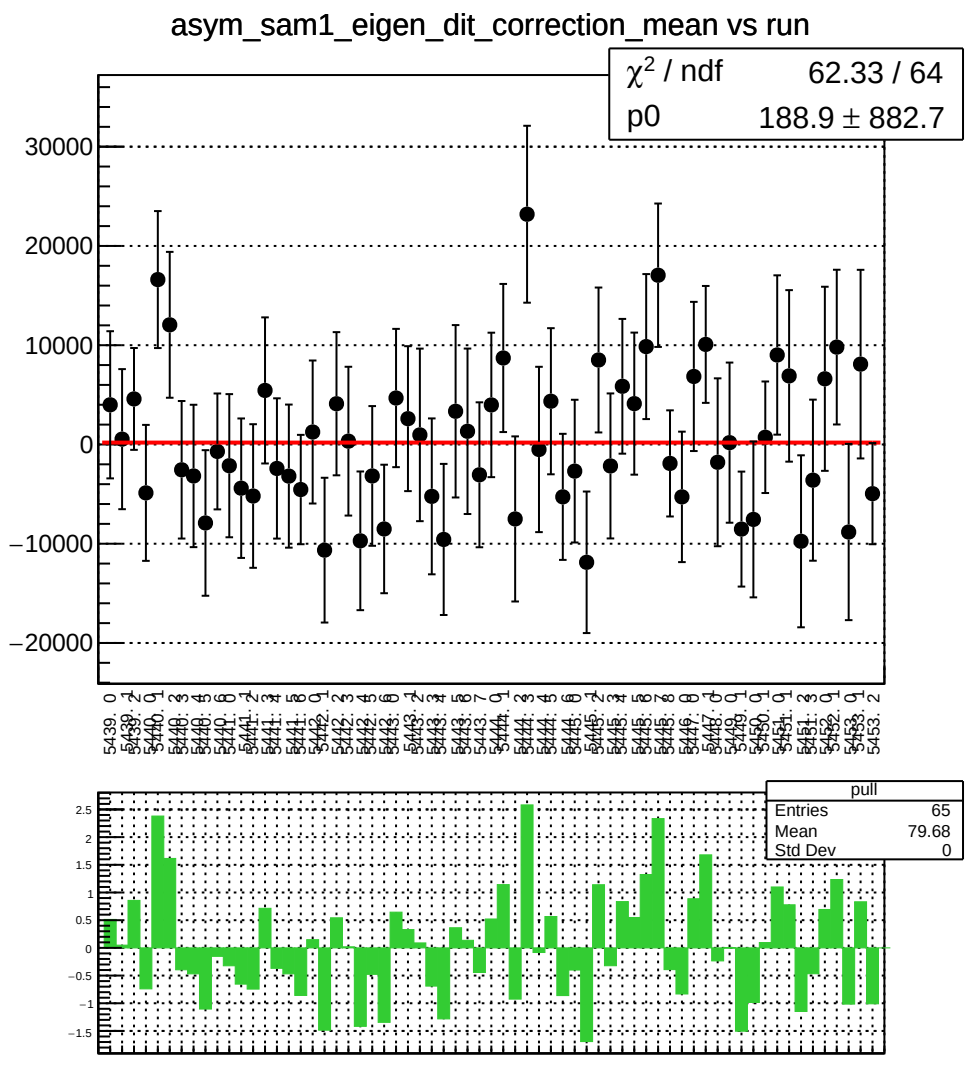

pull1D
Entries 65
Mean 0.02164
Std Dev 0.979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

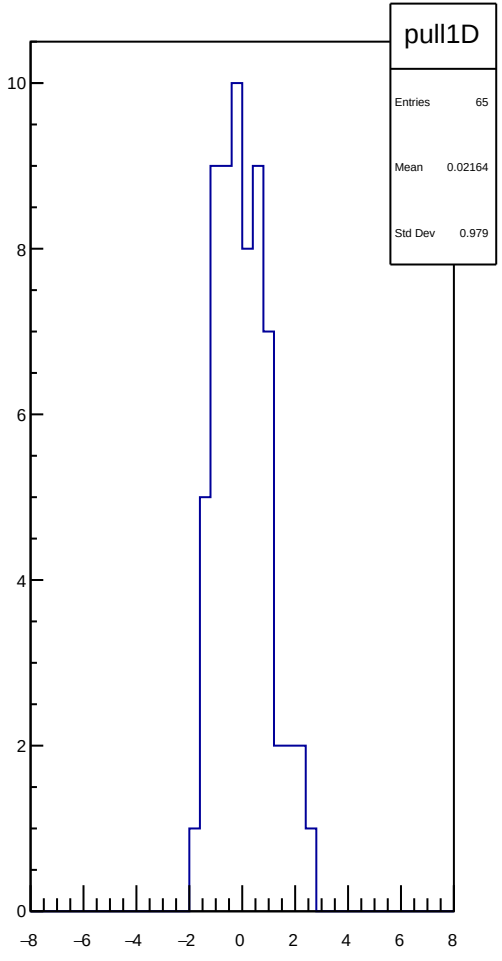

asym_sam1_dit_correction_rms vs run
χ² / ndf 8457 / 64
p0 713.6 ± 0.6242
900
850
800
750
700
650

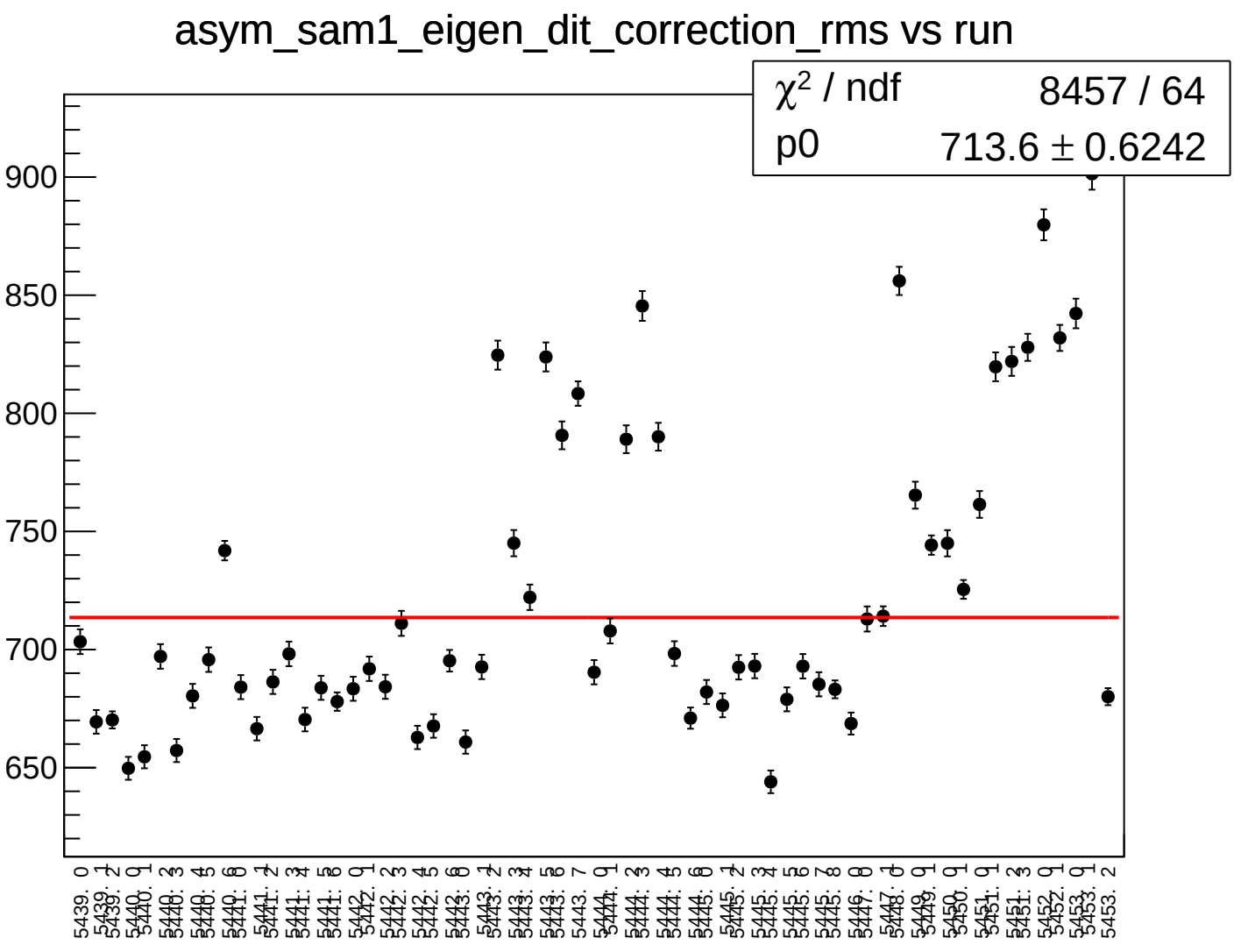

eigen_dit_asym_sam1_mean vs run
χ² / ndf 67.13 / 64
p0 327.3 ± 180.2
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean 139.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

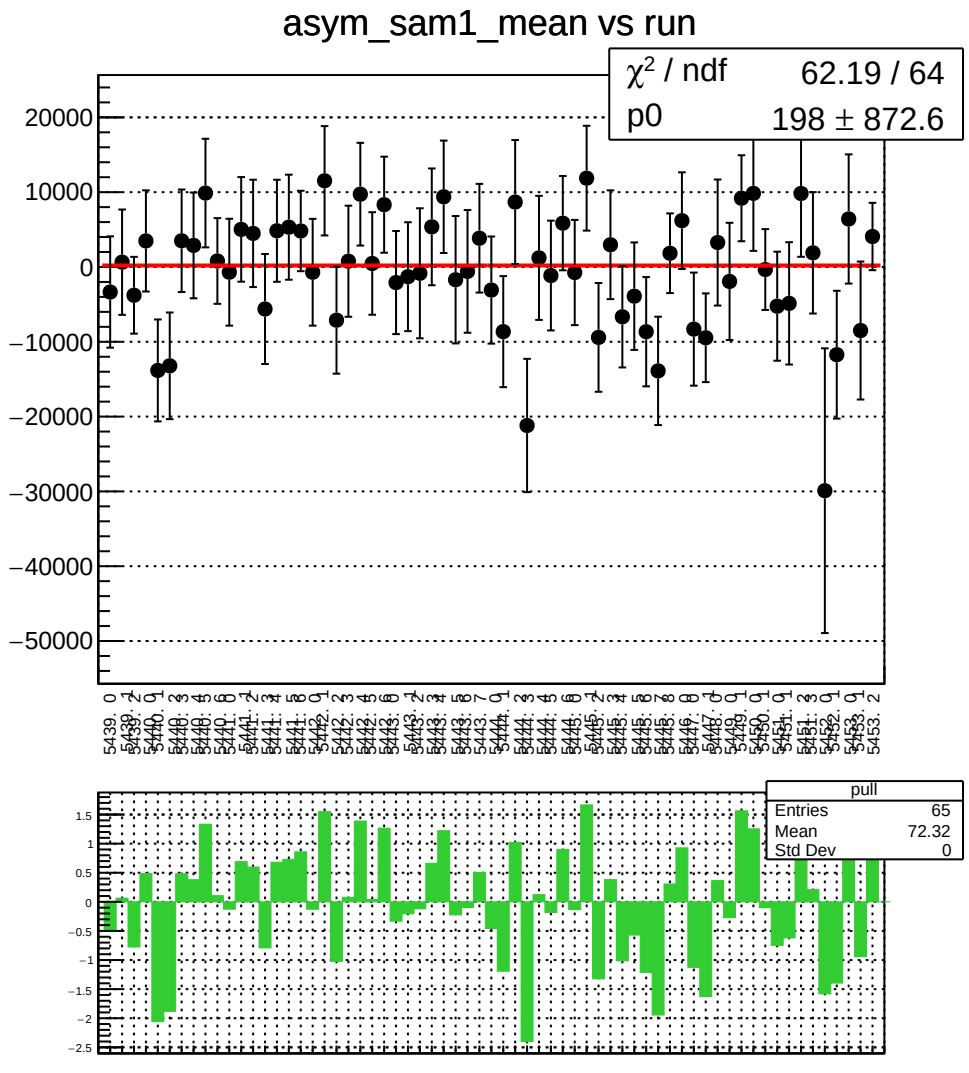

pull1D
Entries 65
Mean −0.01812
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

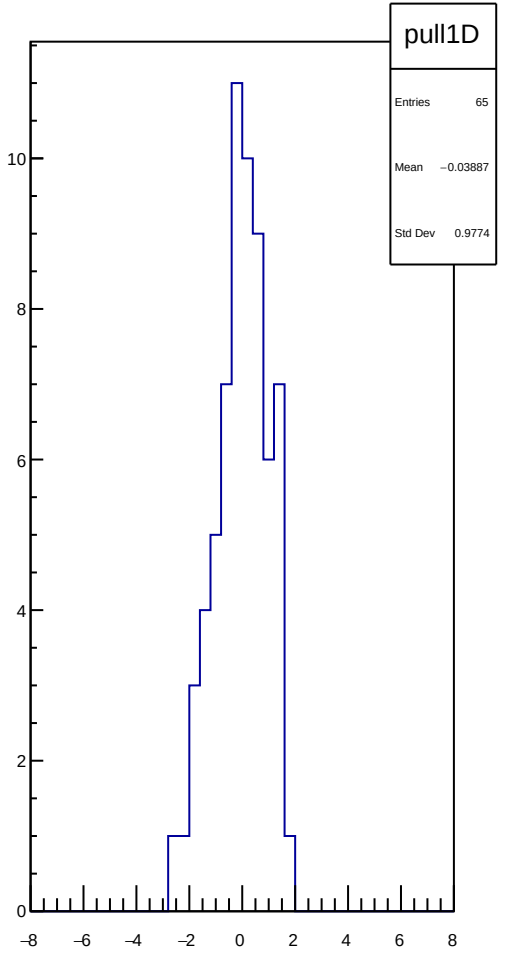

eigen_dit_asym_sam1_rms vs run
χ² / ndf 1.673e+04 / 64
p0 145.2 ± 0.1274
1600
1400
1200
1000
800
600
400
200

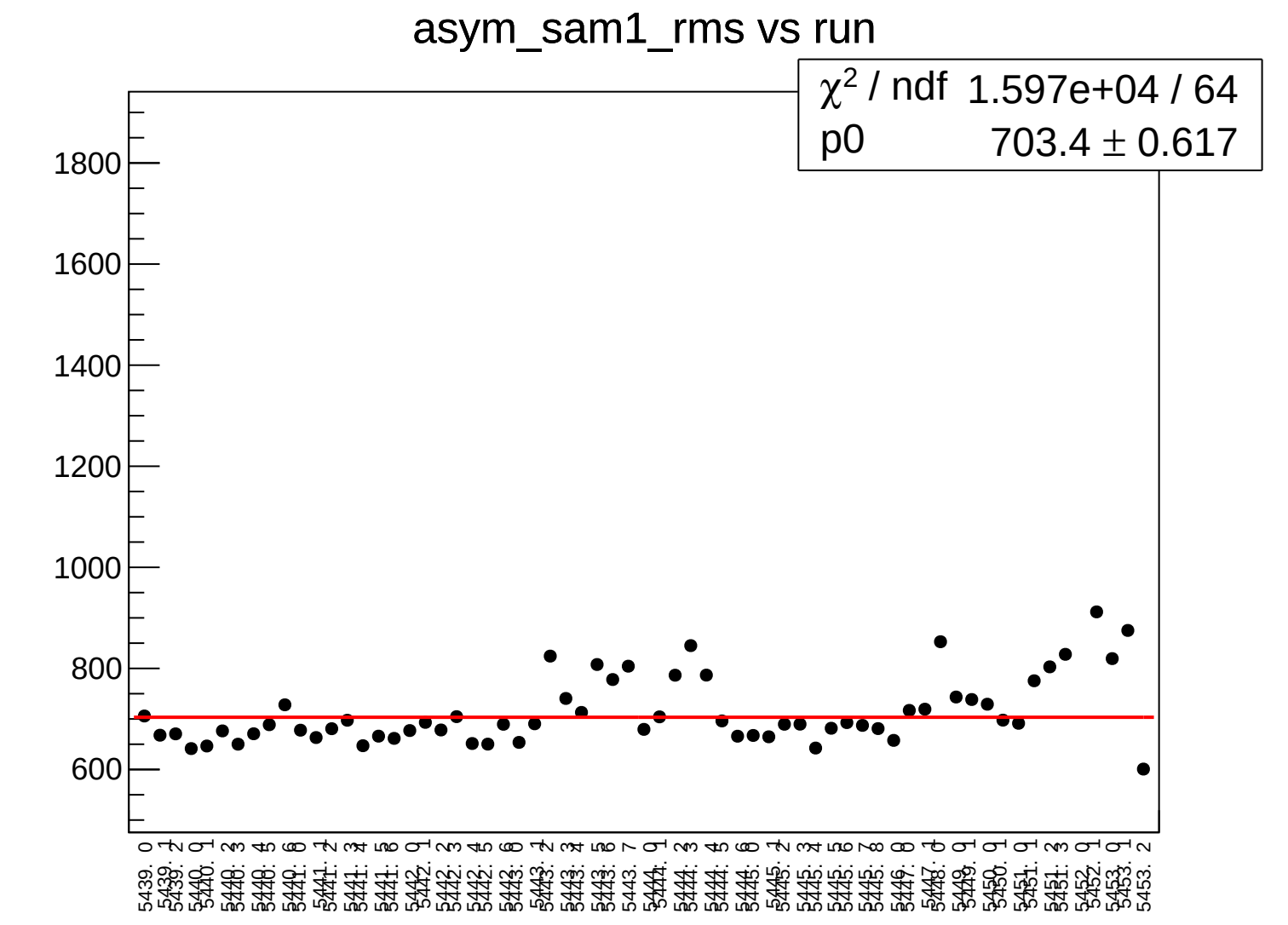

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 62.33 / 64
p0 188.9 ± 882.7
pull
Entries 65
Mean 79.68
Std Dev 0

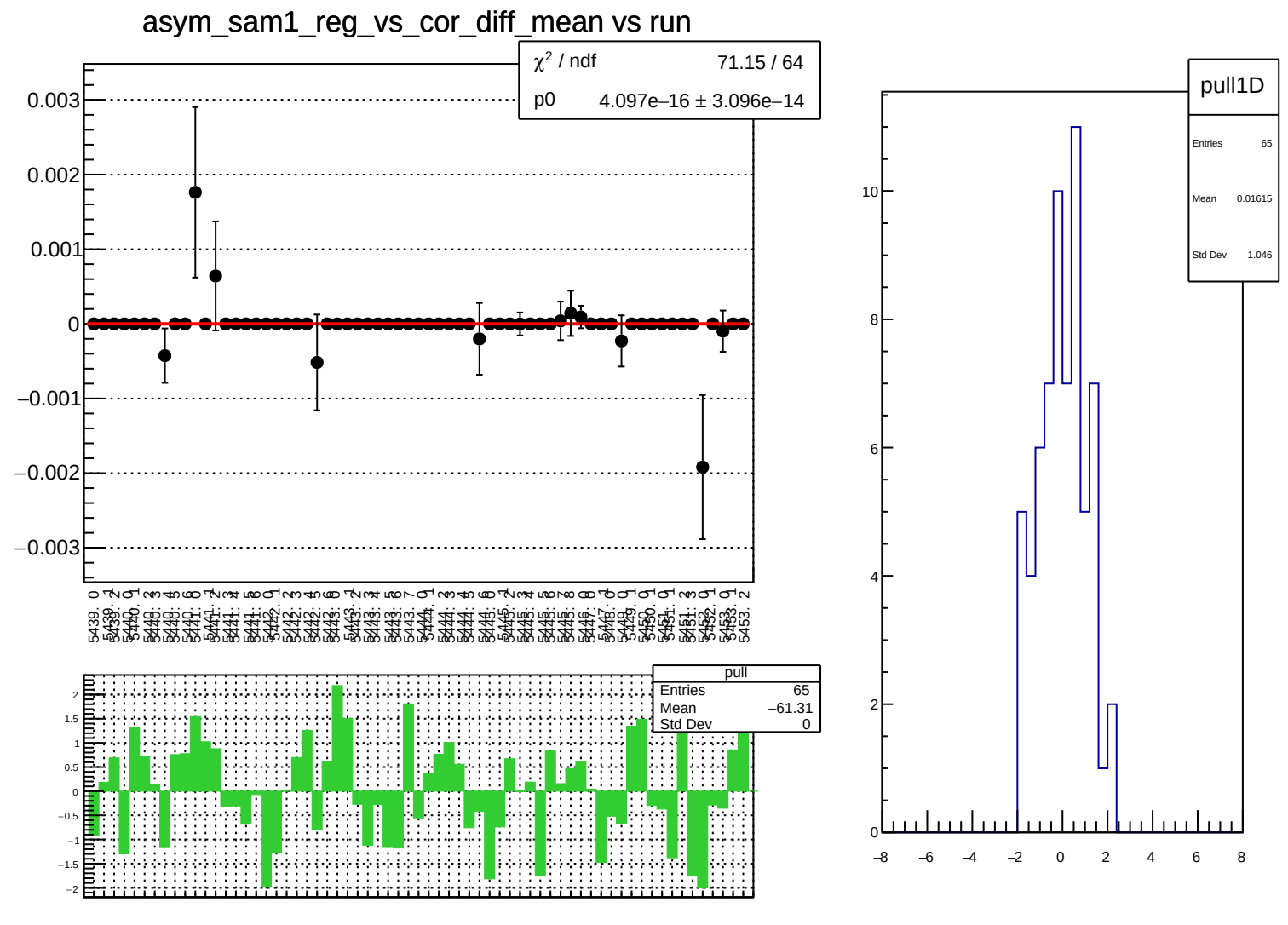

pull1D
Entries 65
Mean 0.02164
Std Dev 0.979

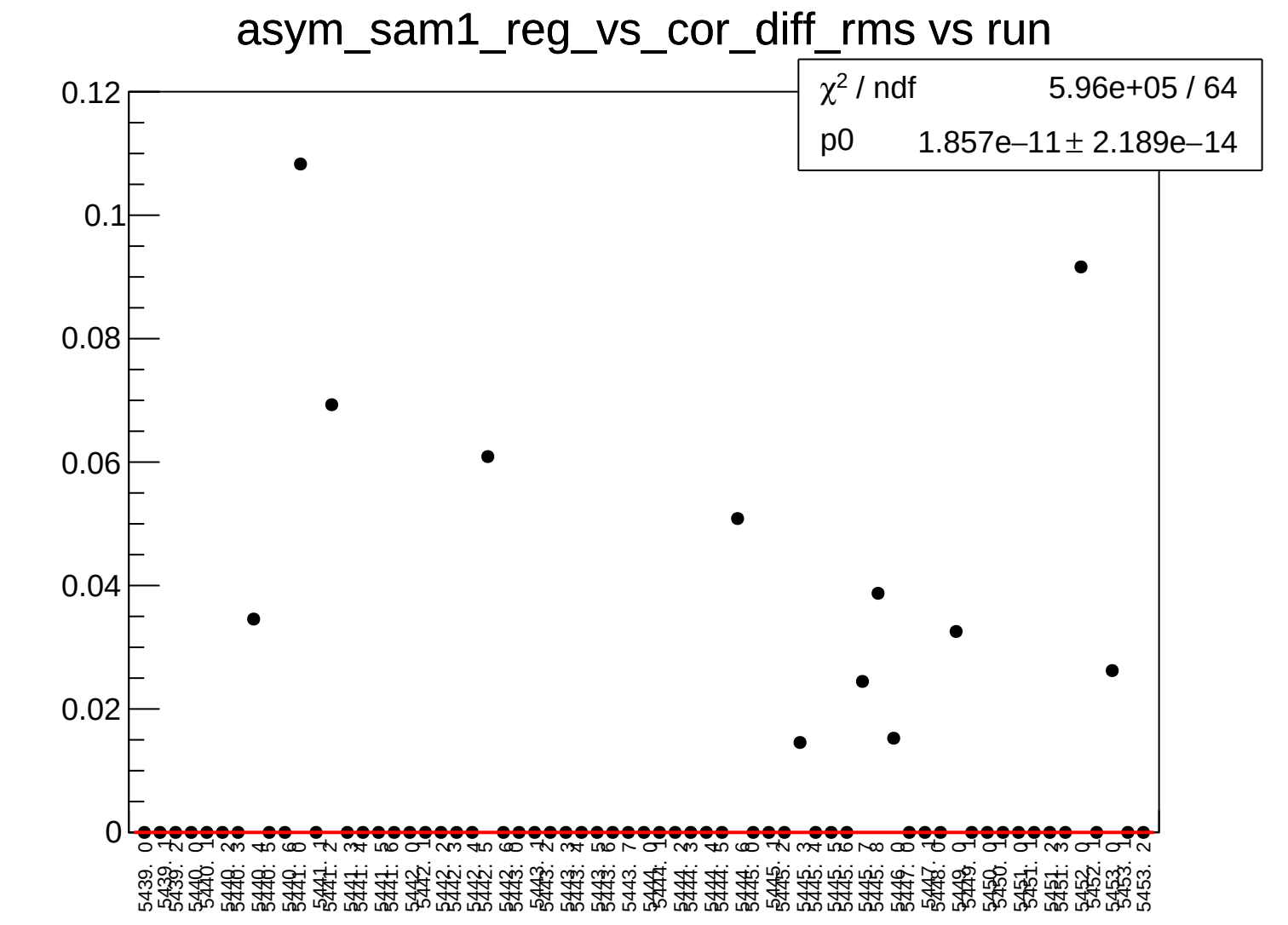

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 8457 / 64
p0 713.6 ± 0.6242
900
850
800
750
700
650

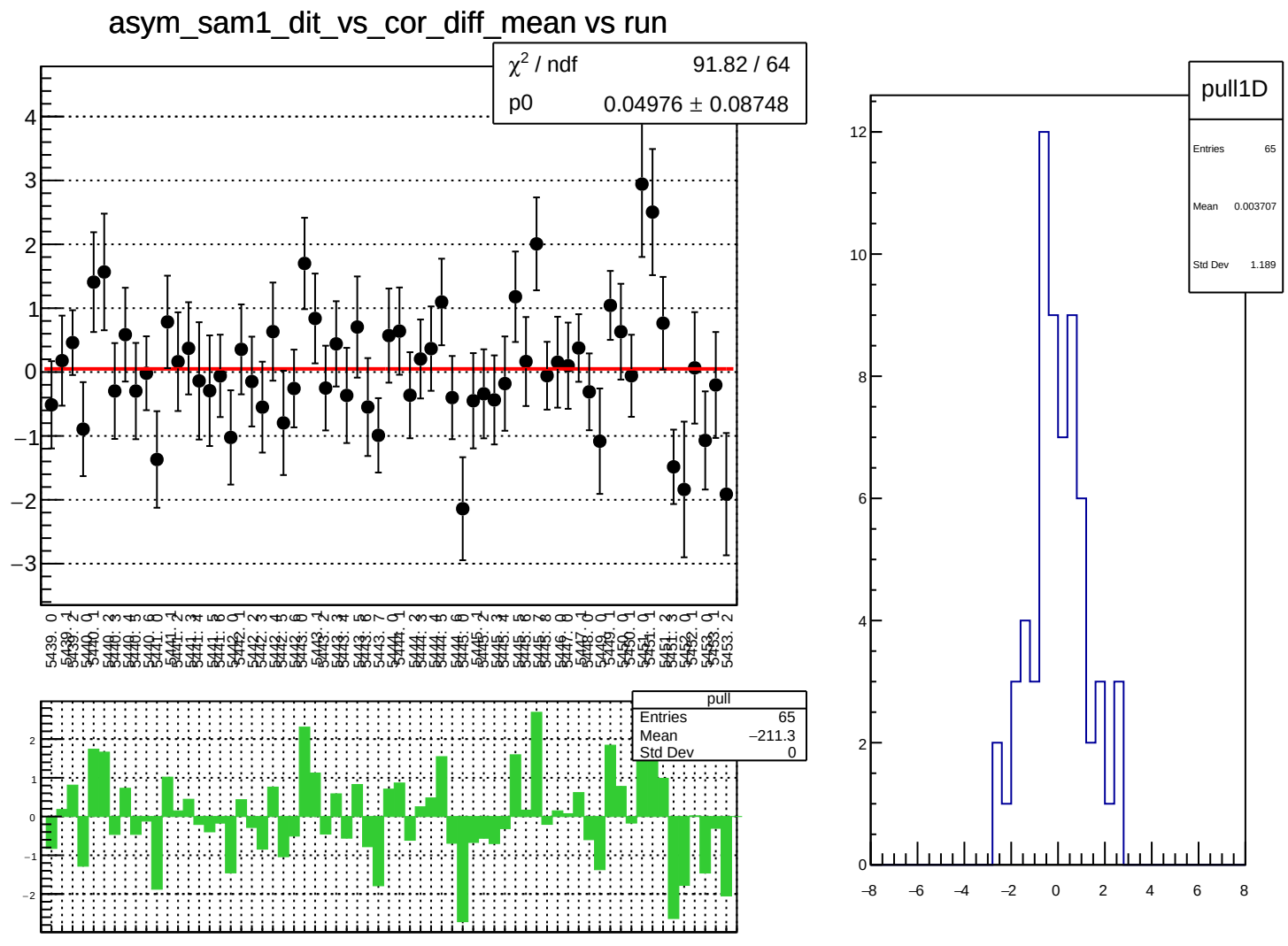

asym_sam1_mean vs run
χ² / ndf 62.19 / 64
p0 198 ± 872.6
pull
Entries 65
Mean 72.32
Std Dev 0

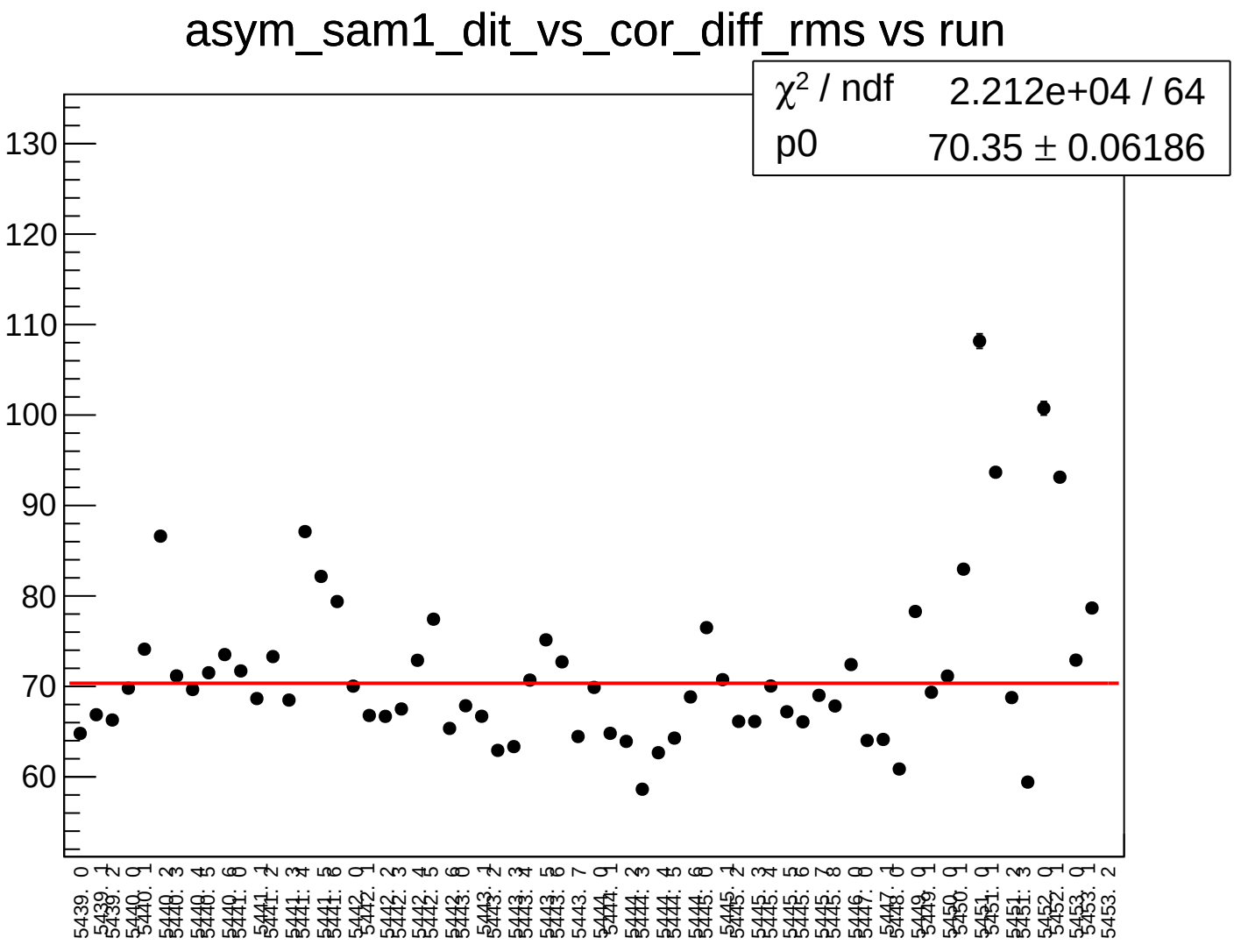

pull1D
Entries 65
Mean −0.03887
Std Dev 0.9774

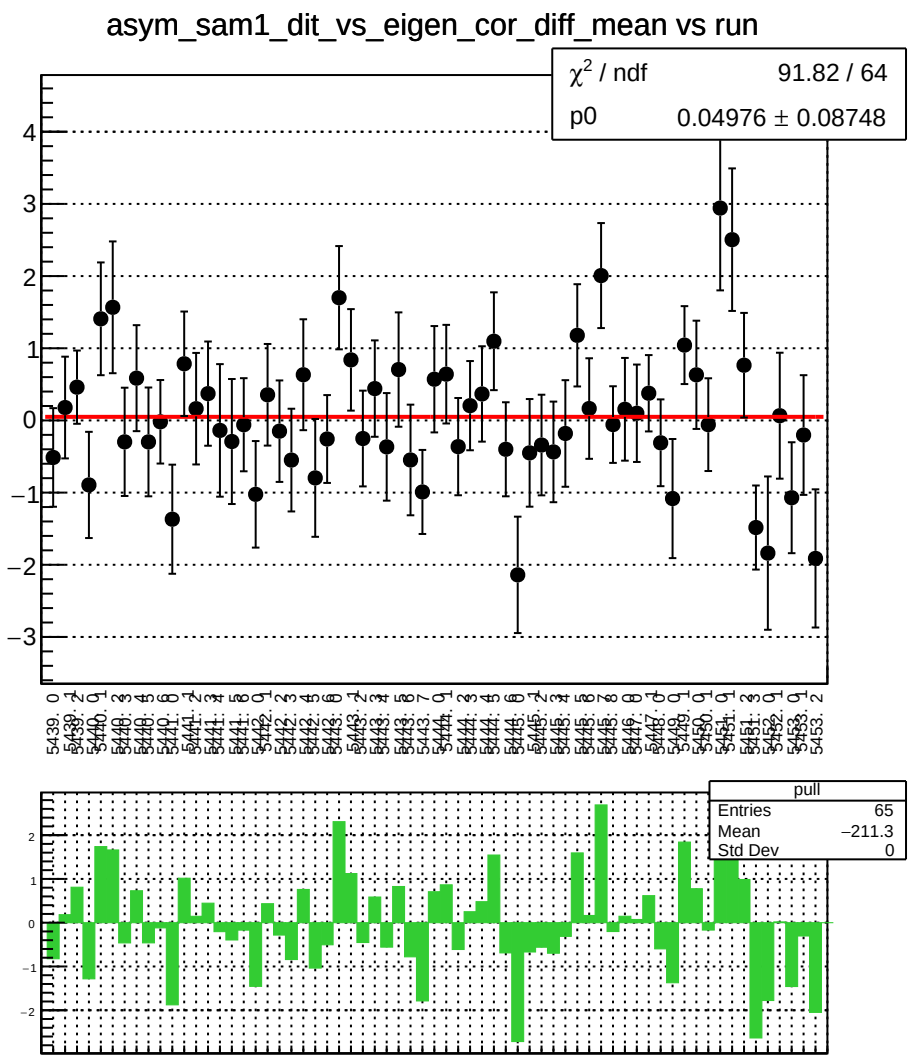

asym_sam1_rms vs run
χ² / ndf 1.597e+04 / 64
p0 703.4 ± 0.617
1800
1600
1400
1200
1000
800
600

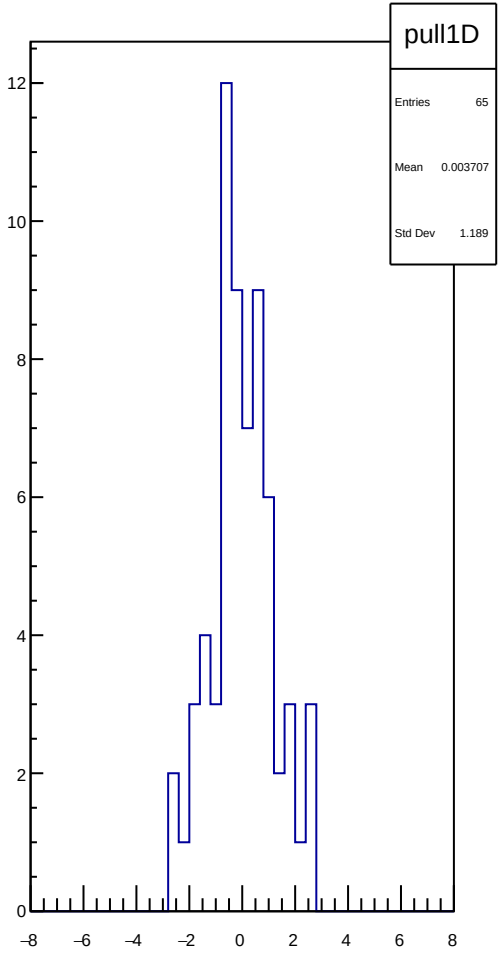

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 71.15 / 64
p0 4.097e−16 ± 3.096e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 65
Mean −61.31
Std Dev 0
pull1D
Entries 65
Mean 0.01615
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

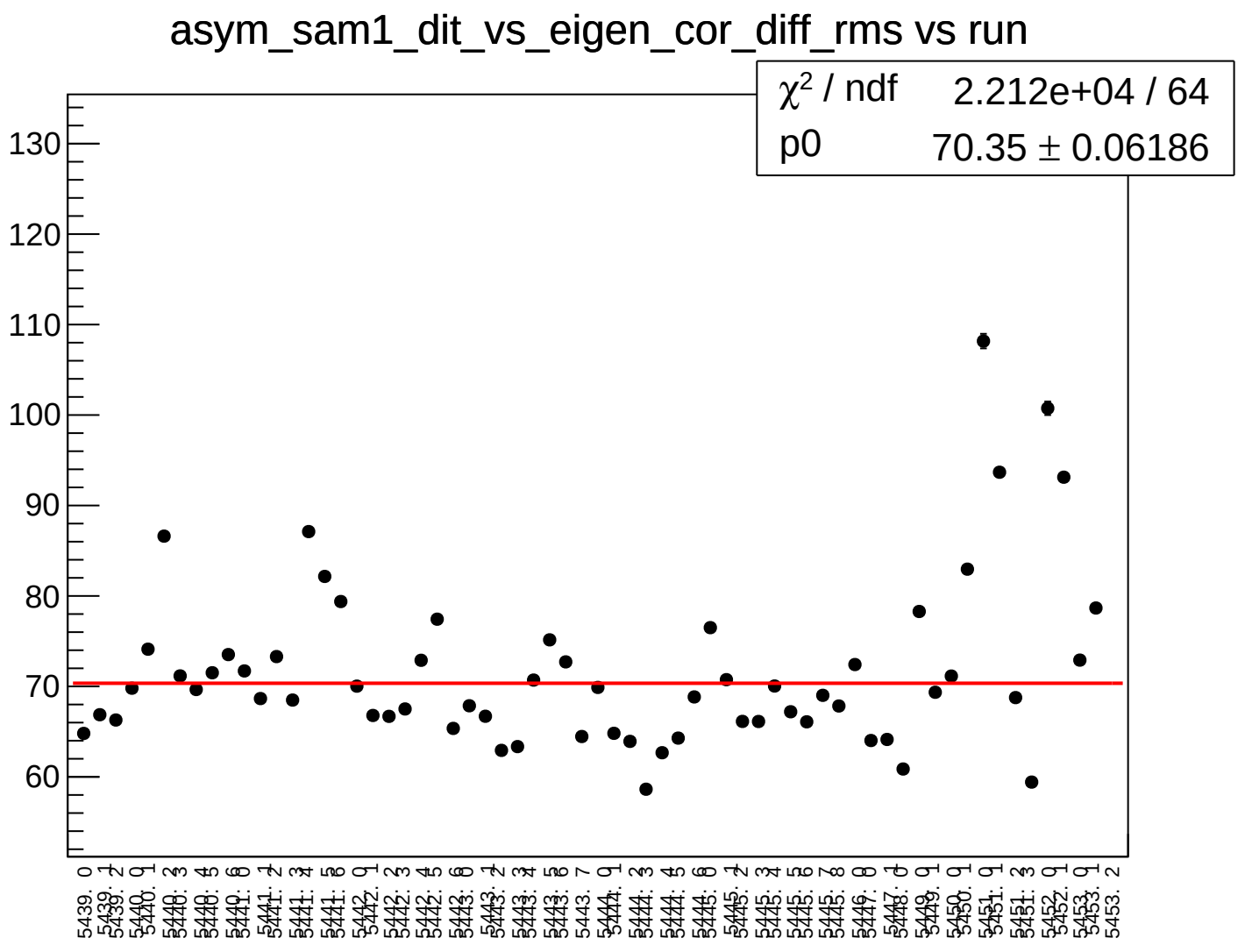

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.96e+05 / 64
p0 1.857e−11 ± 2.189e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

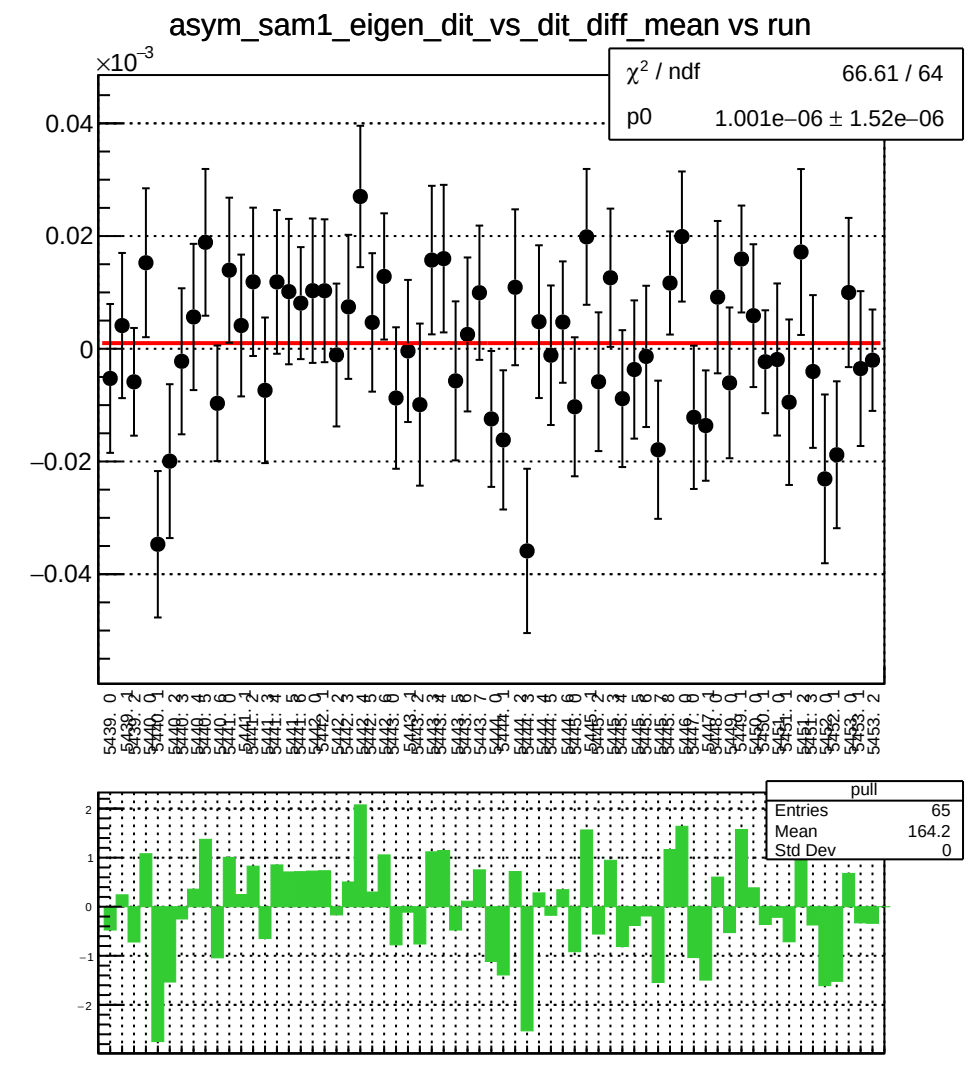

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 91.82 / 64
p0 0.04976 ± 0.08748
pull
Entries 65
Mean −211.3
Std Dev 0
pull1D
Entries 65
Mean 0.003707
Std Dev 1.189

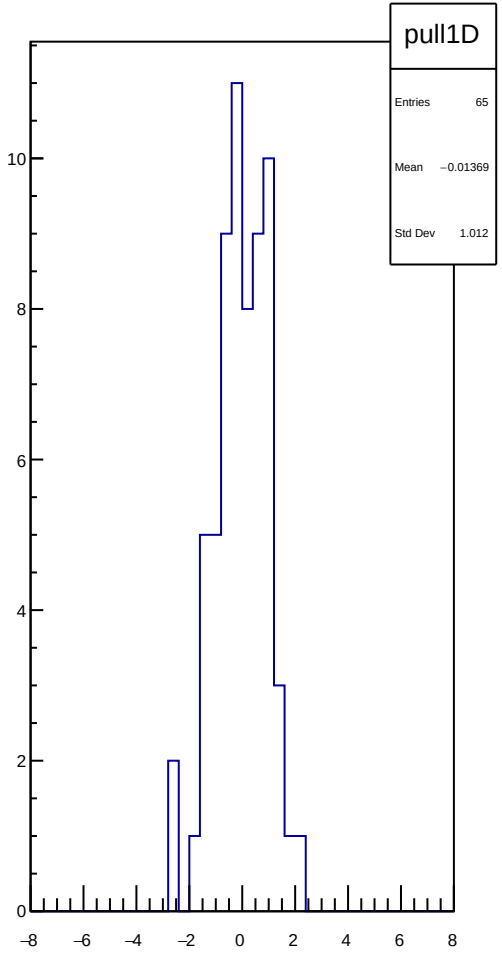

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.212e+04 / 64
p0 70.35 ± 0.06186
130
120
110
100
90
80
70
60

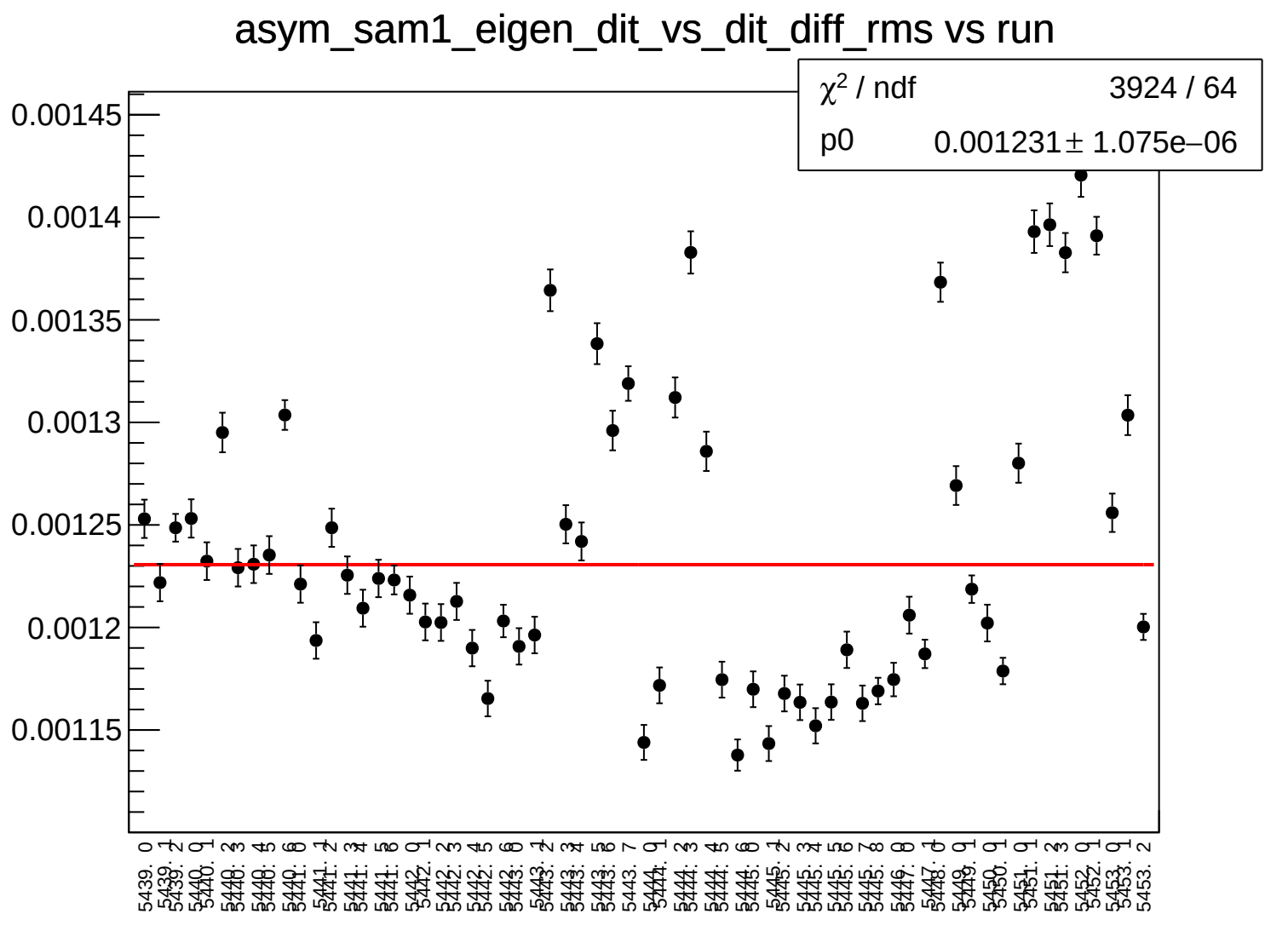

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.82 / 64
p0 0.04976 ± 0.08748
pull
Entries 65
Mean −211.3
Std Dev 0

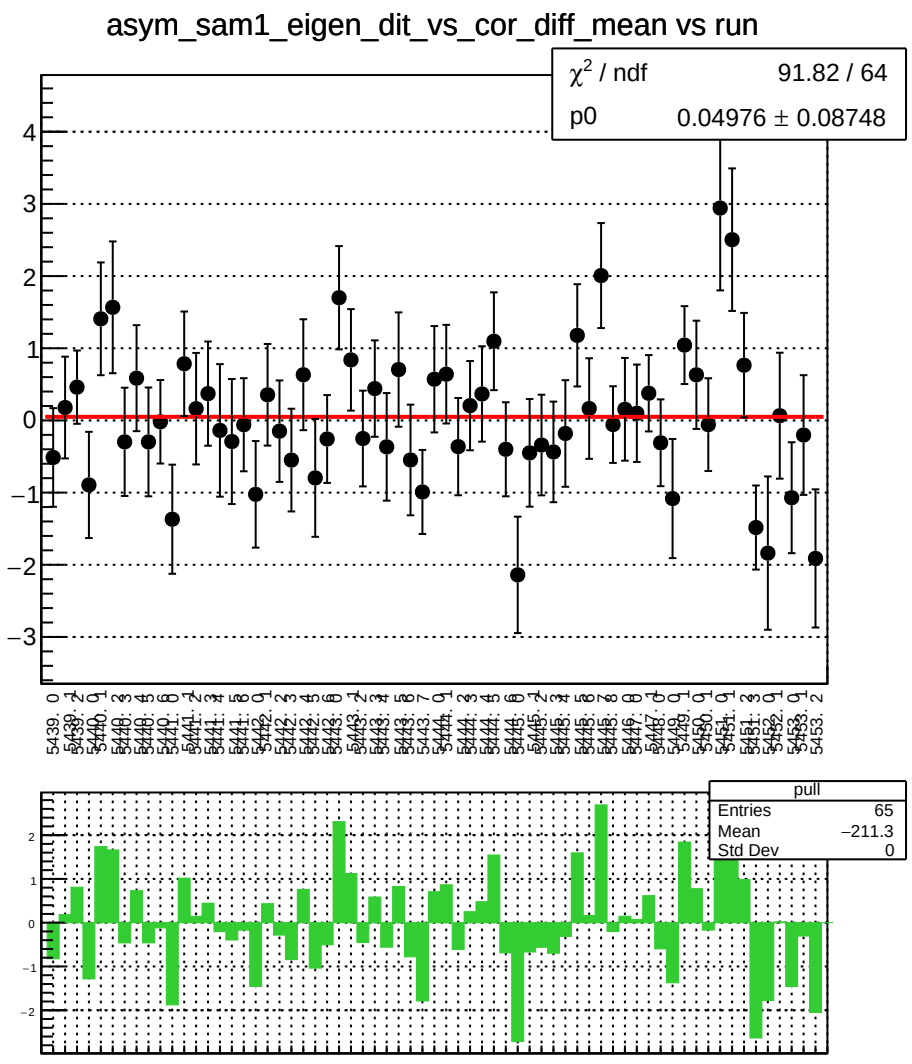

pull1D
Entries 65
Mean 0.003707
Std Dev 1.189

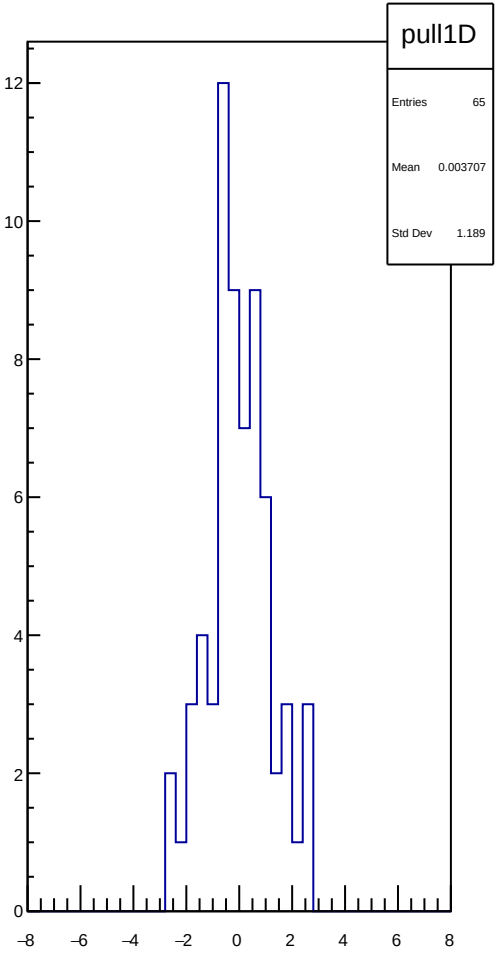

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.212e+04 / 64
p0 70.35 ± 0.06186
130
120
110
100
90
80
70
60

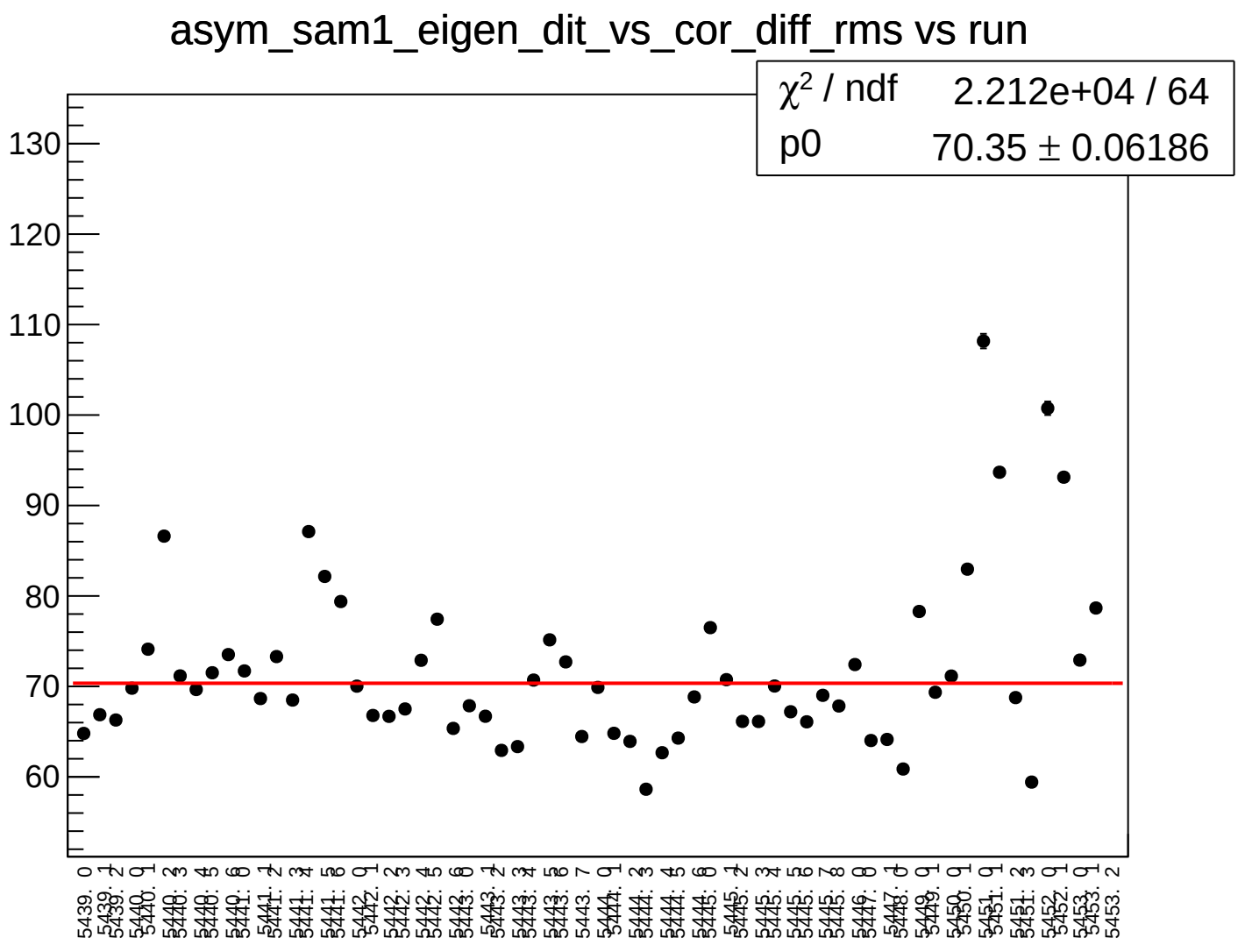

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.61 / 64
p0 1.001e−06 ± 1.52e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 65
Mean 164.2
Std Dev 0
2
1
0
−1
−2

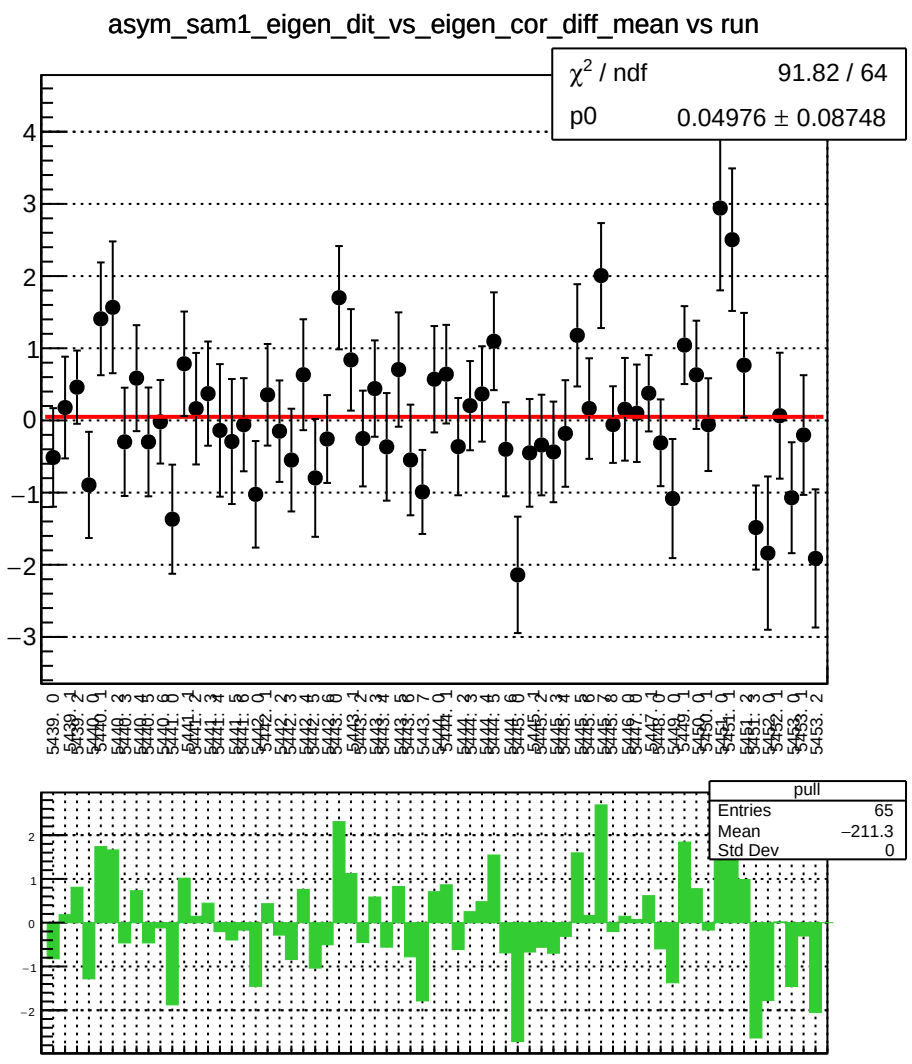

pull1D
Entries 65
Mean −0.01369
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

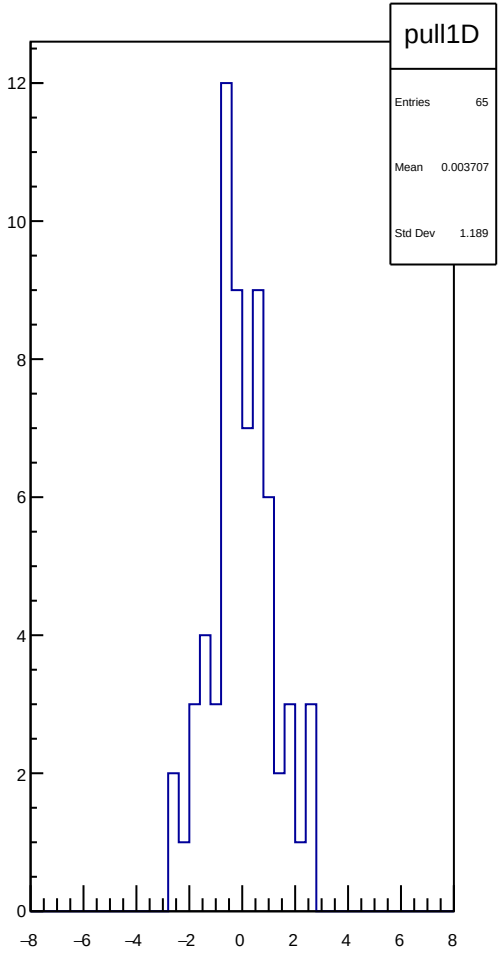

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3924 / 64
p0 0.001231 ± 1.075e−06
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115

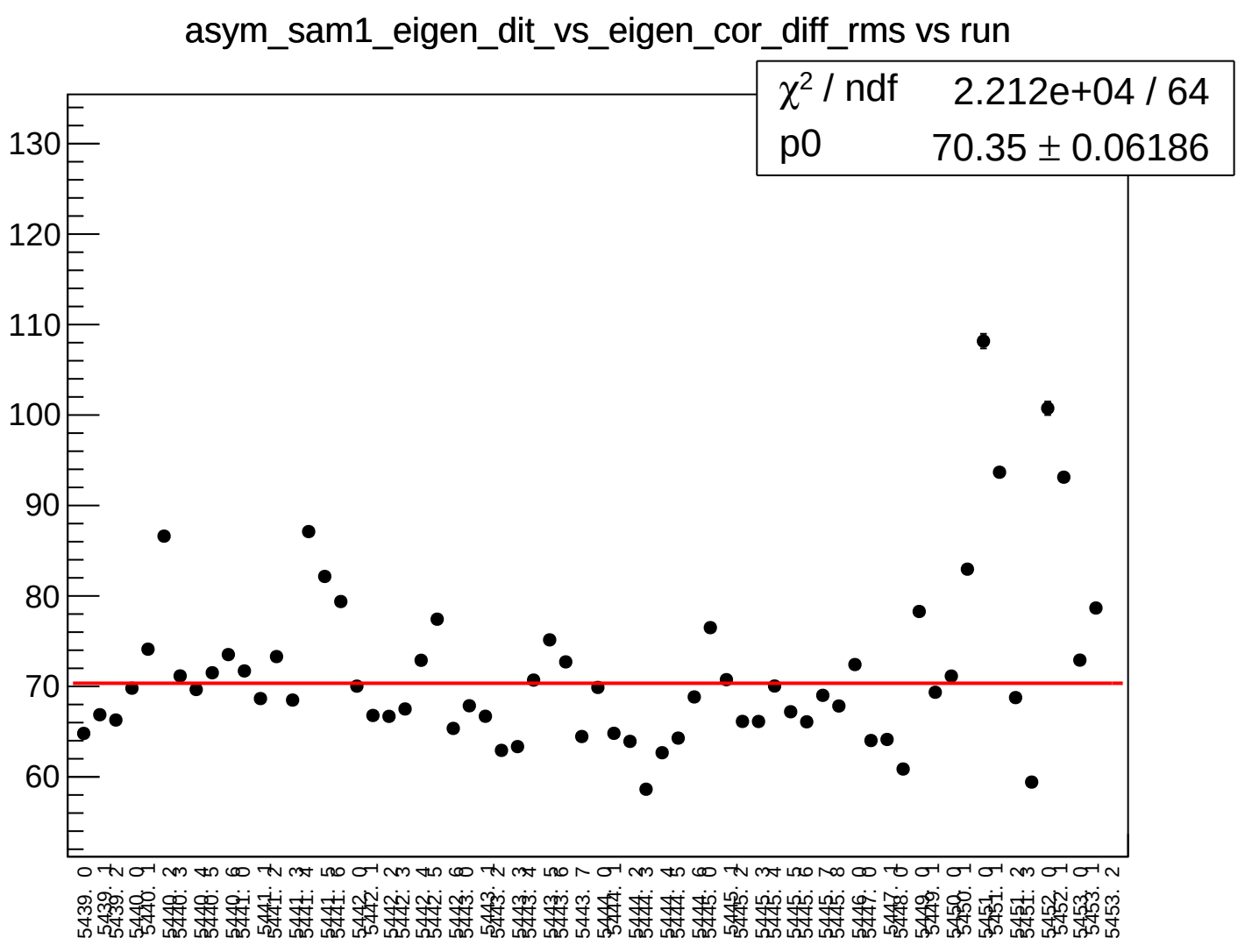

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.82 / 64
p0 0.04976 ± 0.08748
pull
Entries 65
Mean −211.3
Std Dev 0

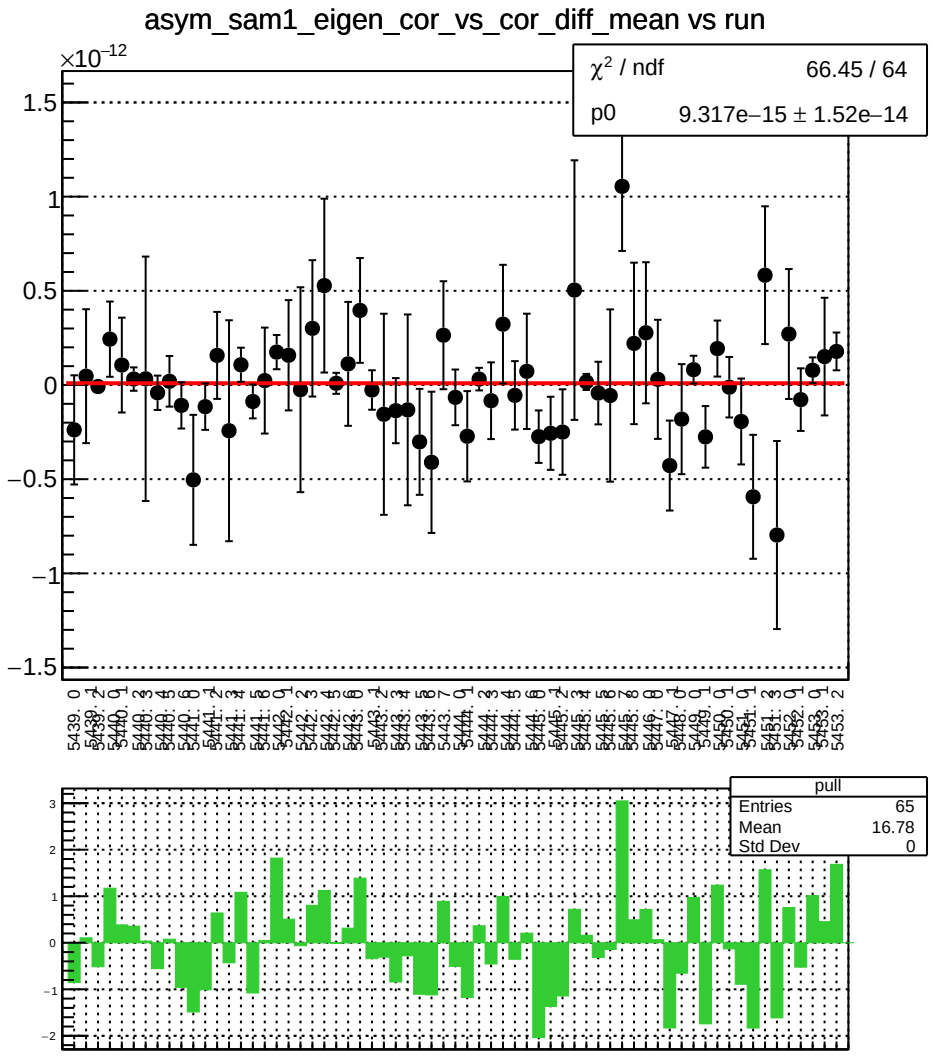

pull1D
Entries 65
Mean 0.003707
Std Dev 1.189

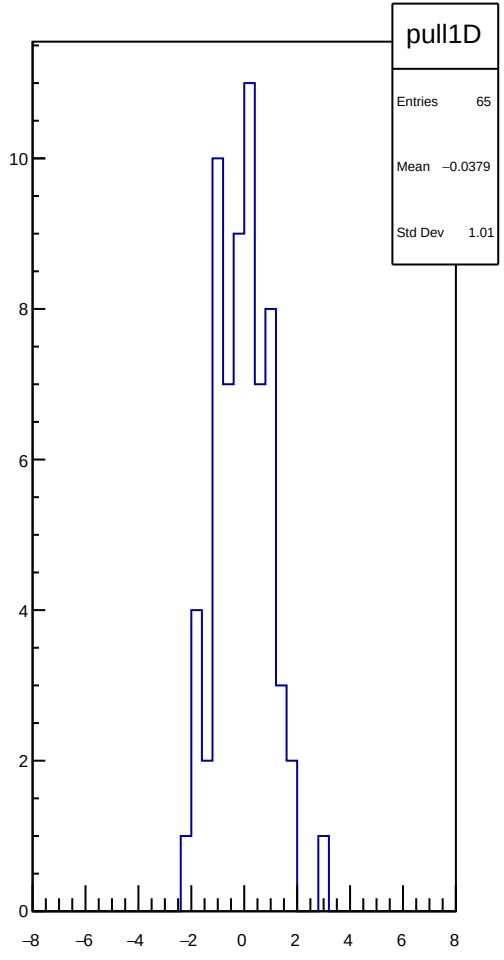

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.212e+04 / 64
p0 70.35 ± 0.06186
130
120
110
100
90
80
70
60

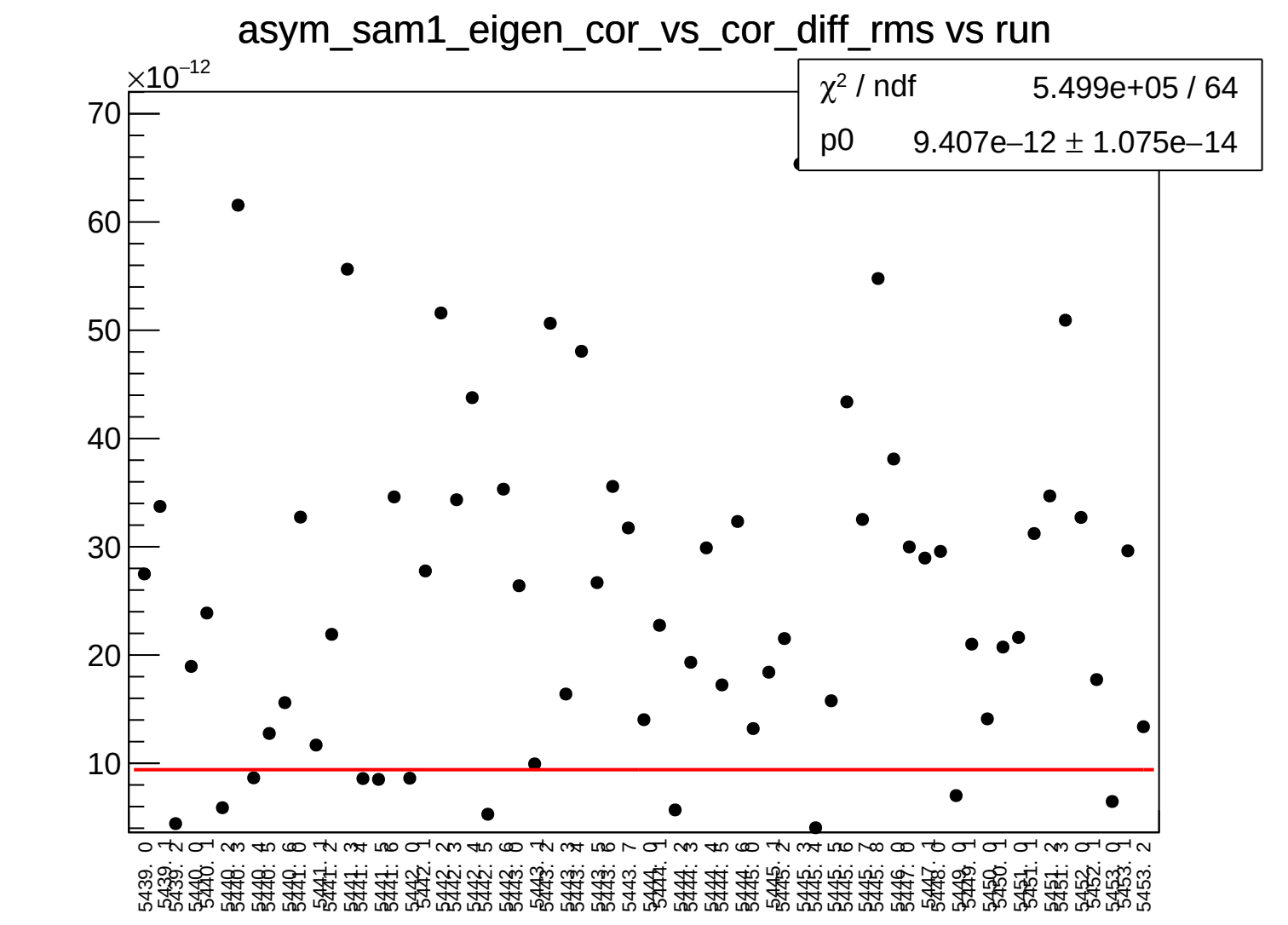

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.82 / 64
p0 0.04976 ± 0.08748
pull
Entries 65
Mean −211.3
Std Dev 0

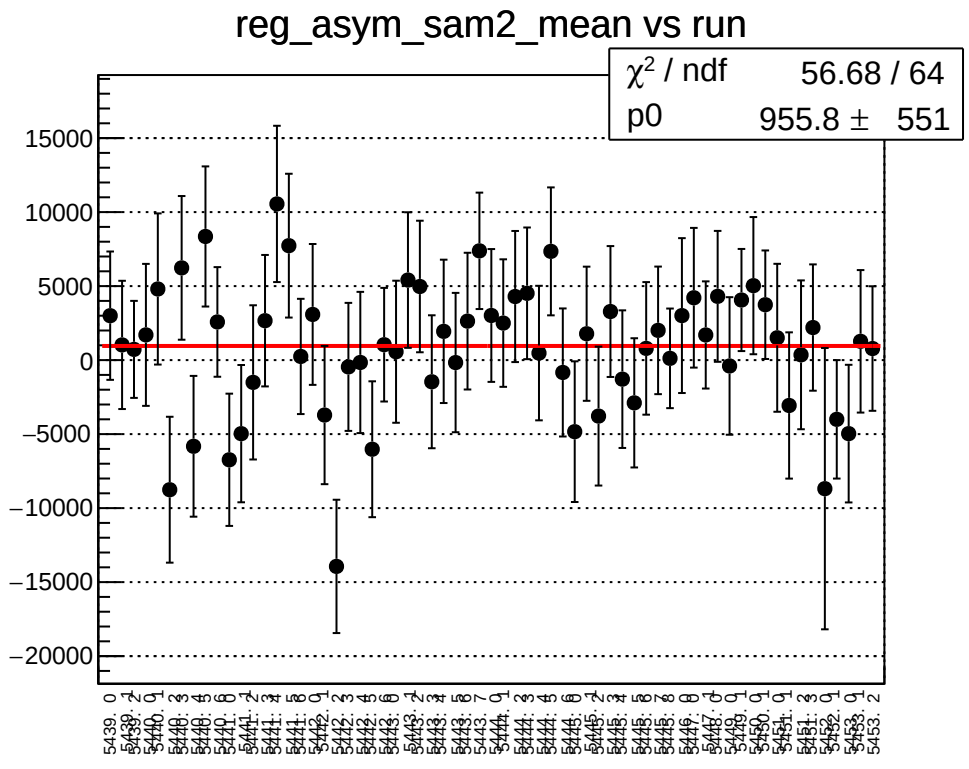

pull1D
Entries 65
Mean 0.003707
Std Dev 1.189

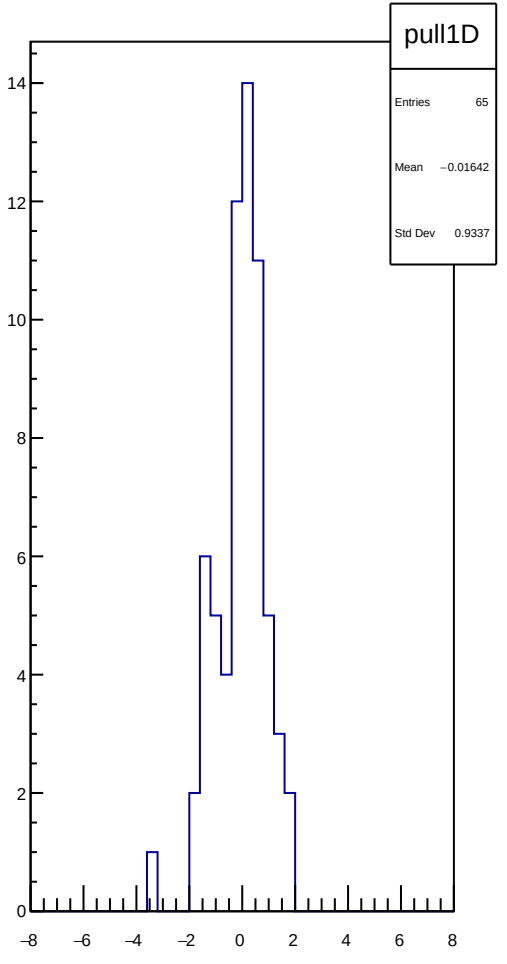

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.212e+04 / 64
p0 70.35 ± 0.06186
130
120
110
100
90
80
70
60

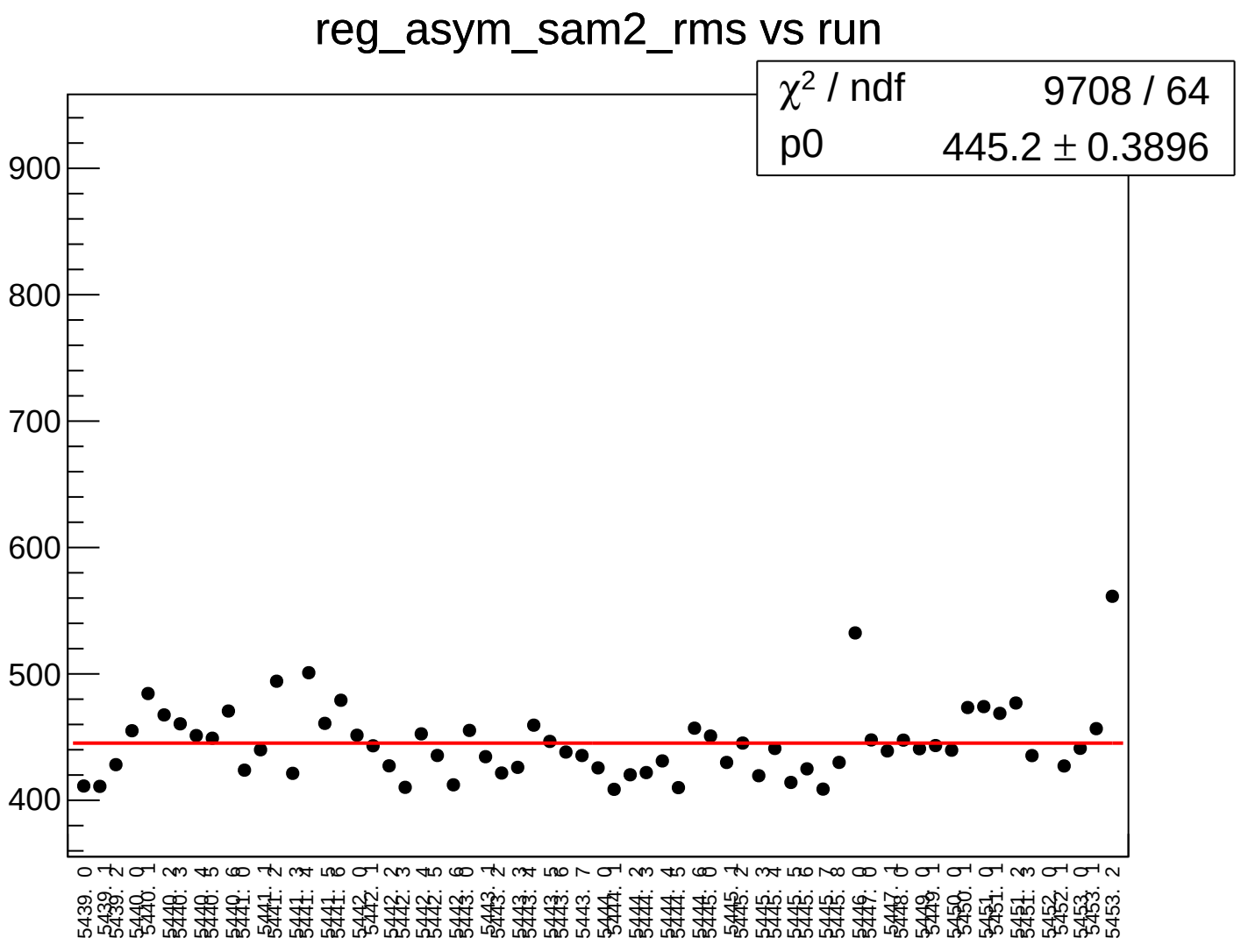

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.45 / 64
p0 9.317e−15 ± 1.52e−14
pull
Entries 65
Mean 16.78
Std Dev 0

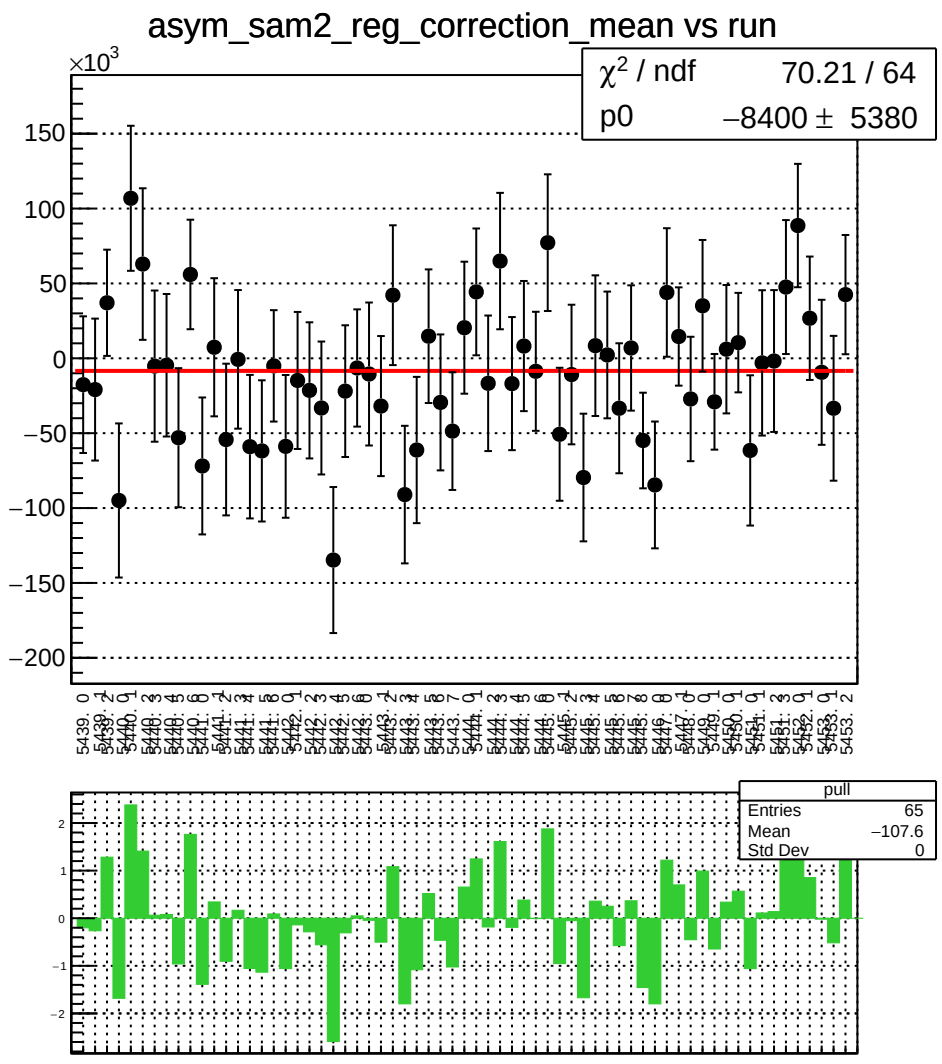

pull1D
Entries 65
Mean −0.0379
Std Dev 1.01

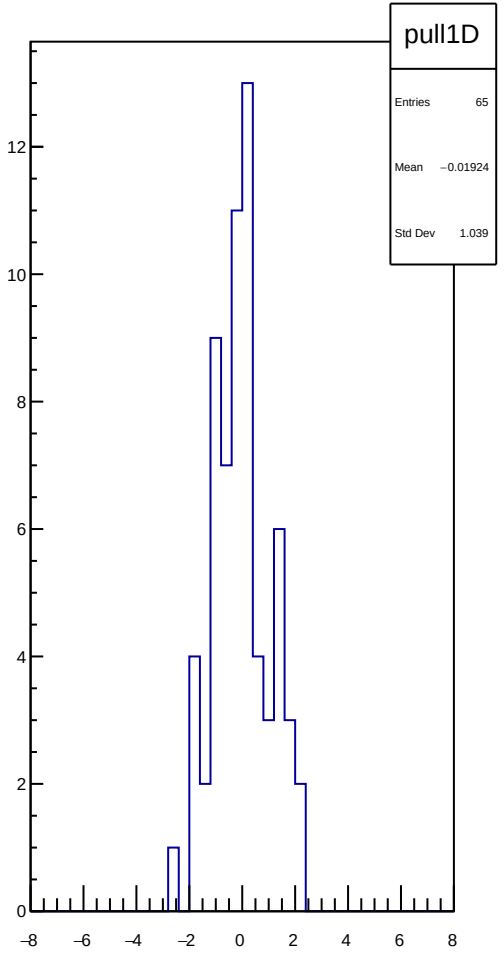

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.499e+05 / 64
p0 9.407e−12 ± 1.075e−14
70
60
50
40
30
20
10
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

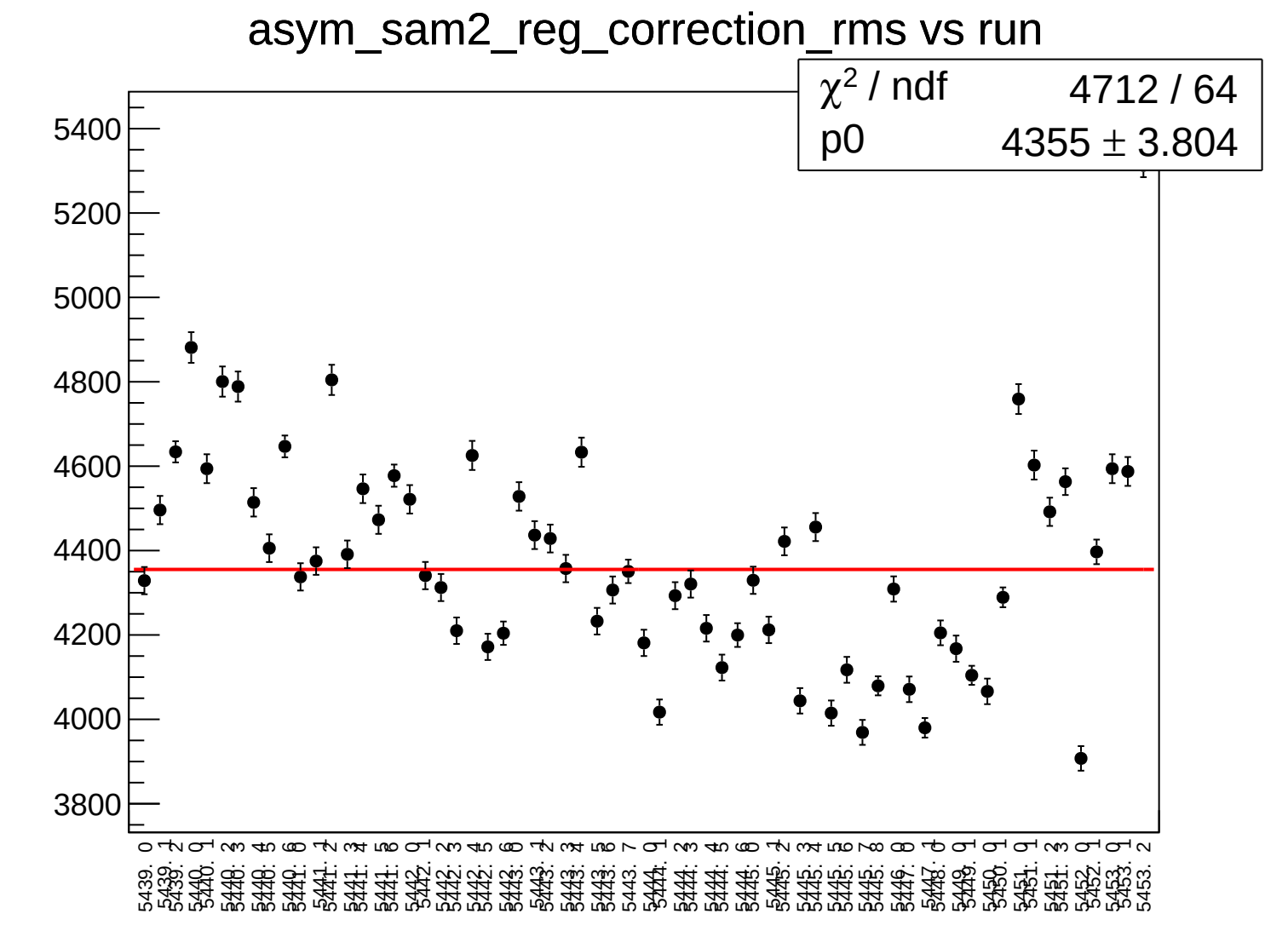

reg_asym_sam2_mean vs run
χ² / ndf 56.68 / 64
p0 955.8 ± 551
pull
Entries 65
Mean 32.45
Std Dev 47.33

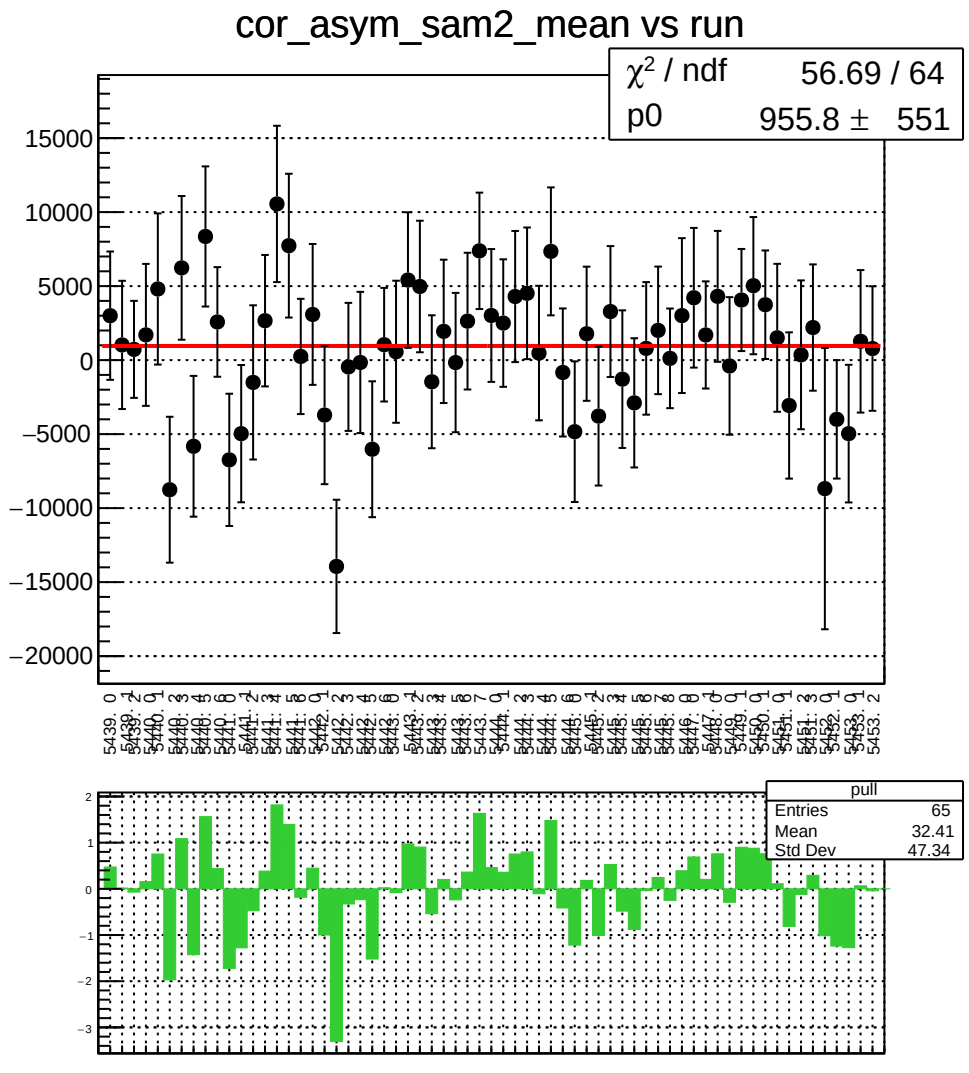

pull1D
Entries 65
Mean −0.01642
Std Dev 0.9337

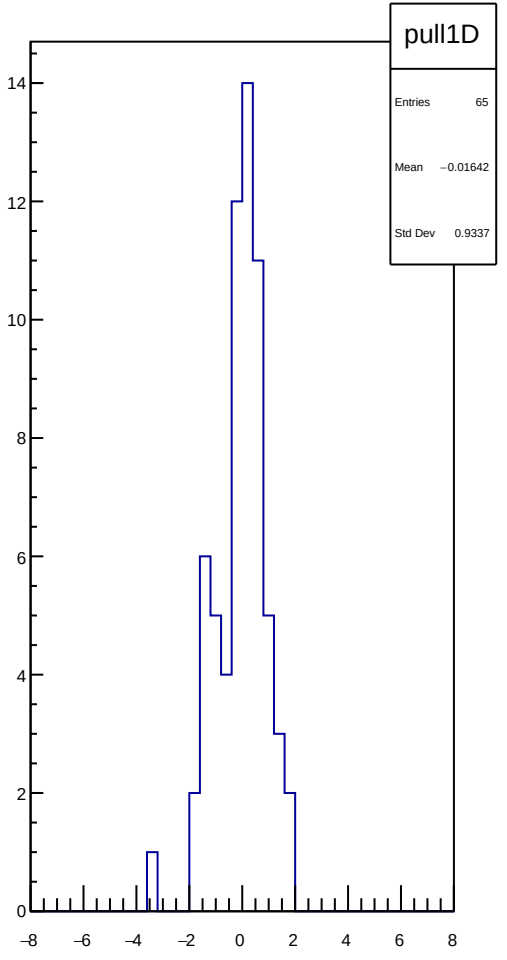

reg_asym_sam2_rms vs run
χ² / ndf 9708 / 64
p0 445.2 ± 0.3896
900
800
700
600
500
400

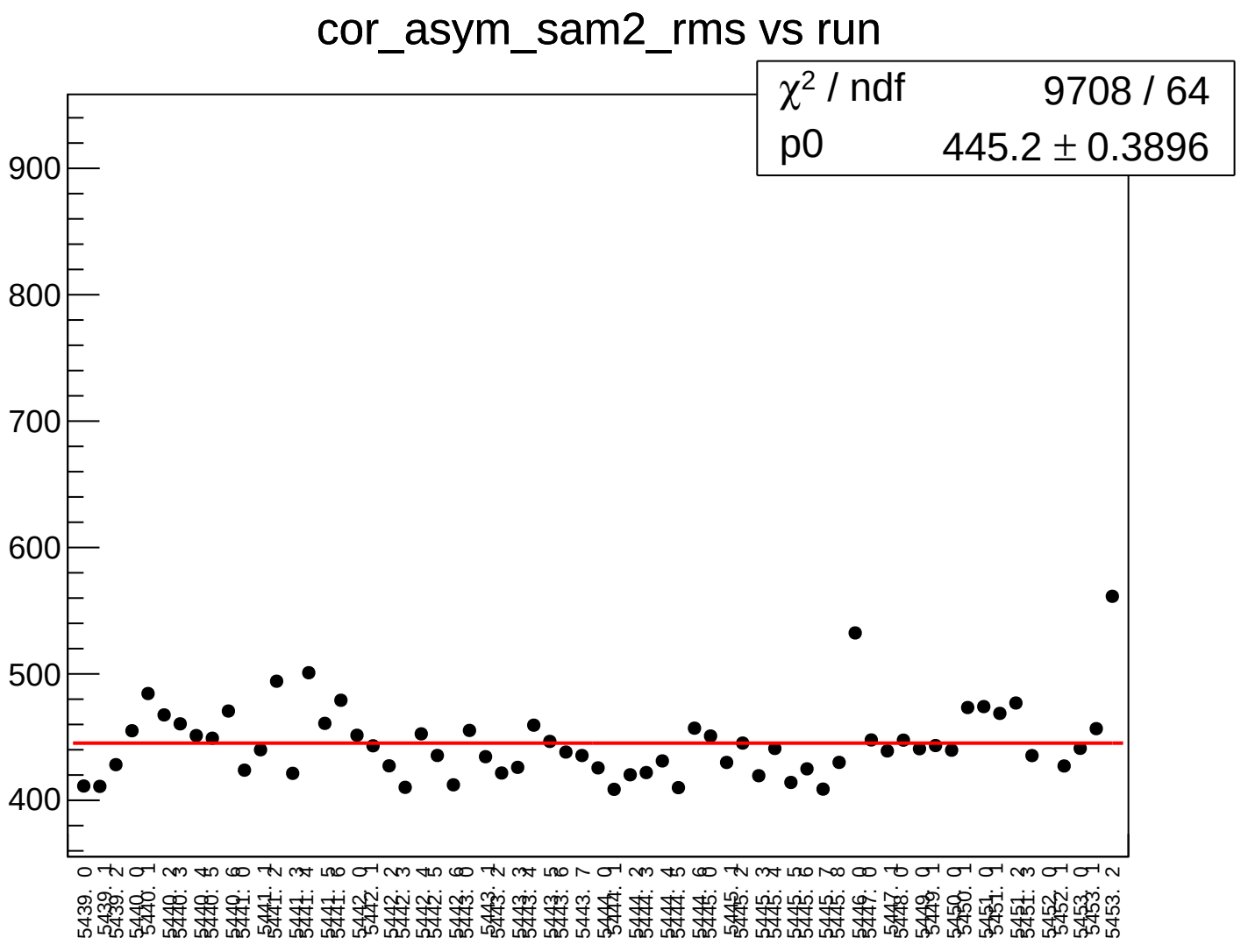

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 70.21 / 64
p0 −8400 ± 5380
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −107.6
Std Dev 0
2
1
0
−1
−2

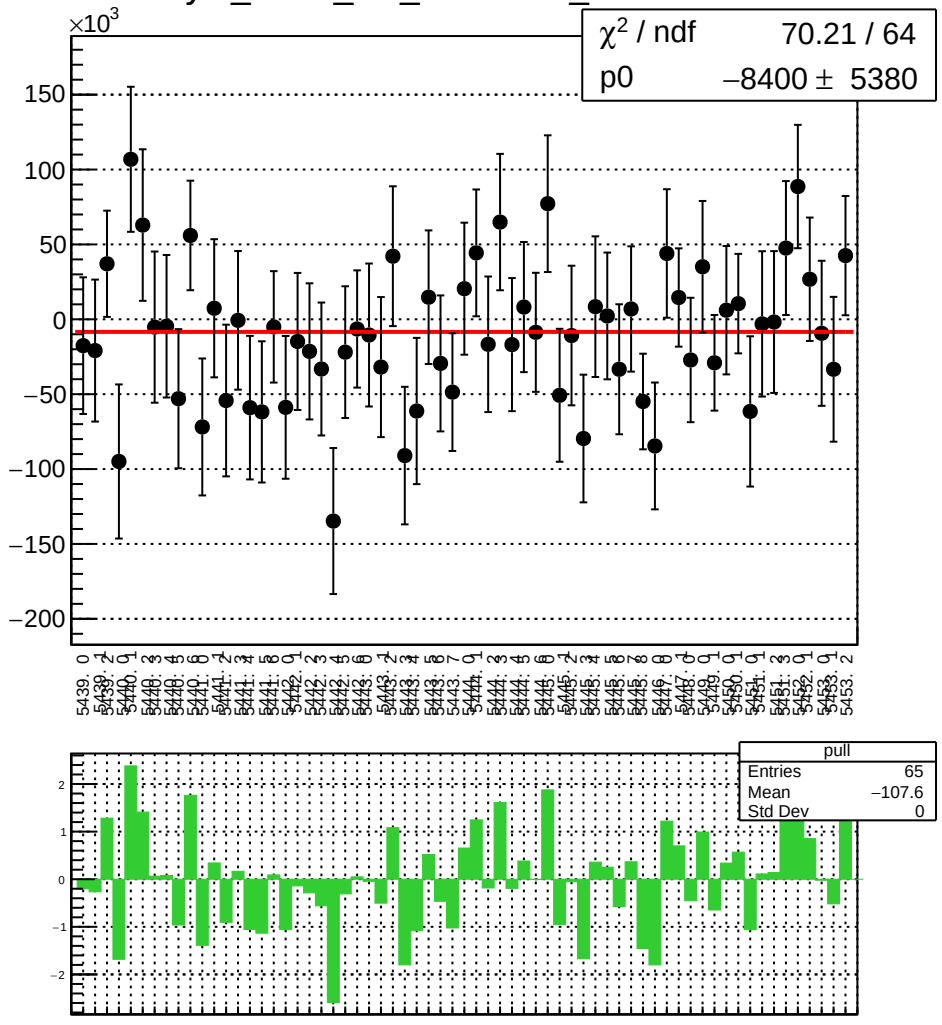

pull1D
Entries 65
Mean −0.01924
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

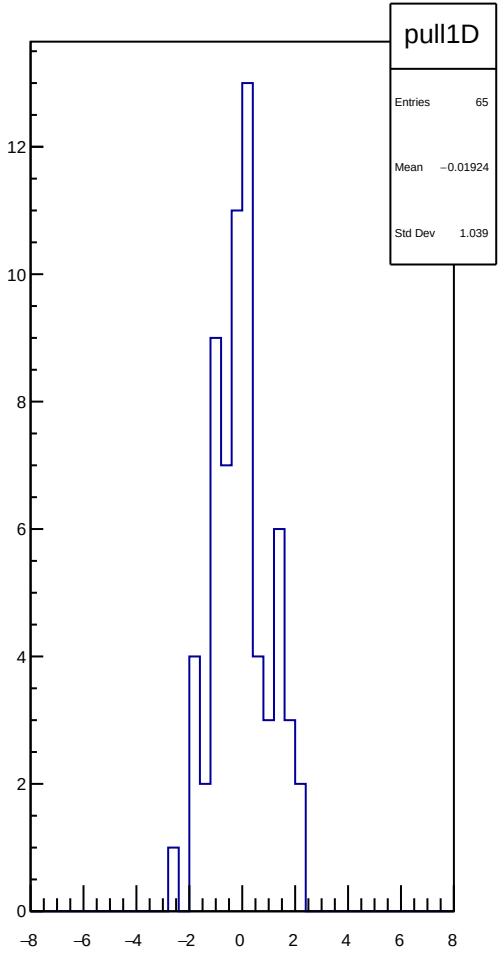

asym_sam2_reg_correction_rms vs run
χ² / ndf 4712 / 64
p0 4355 ± 3.804
5400
5200
5000
4800
4600
4400
4200
4000
3800

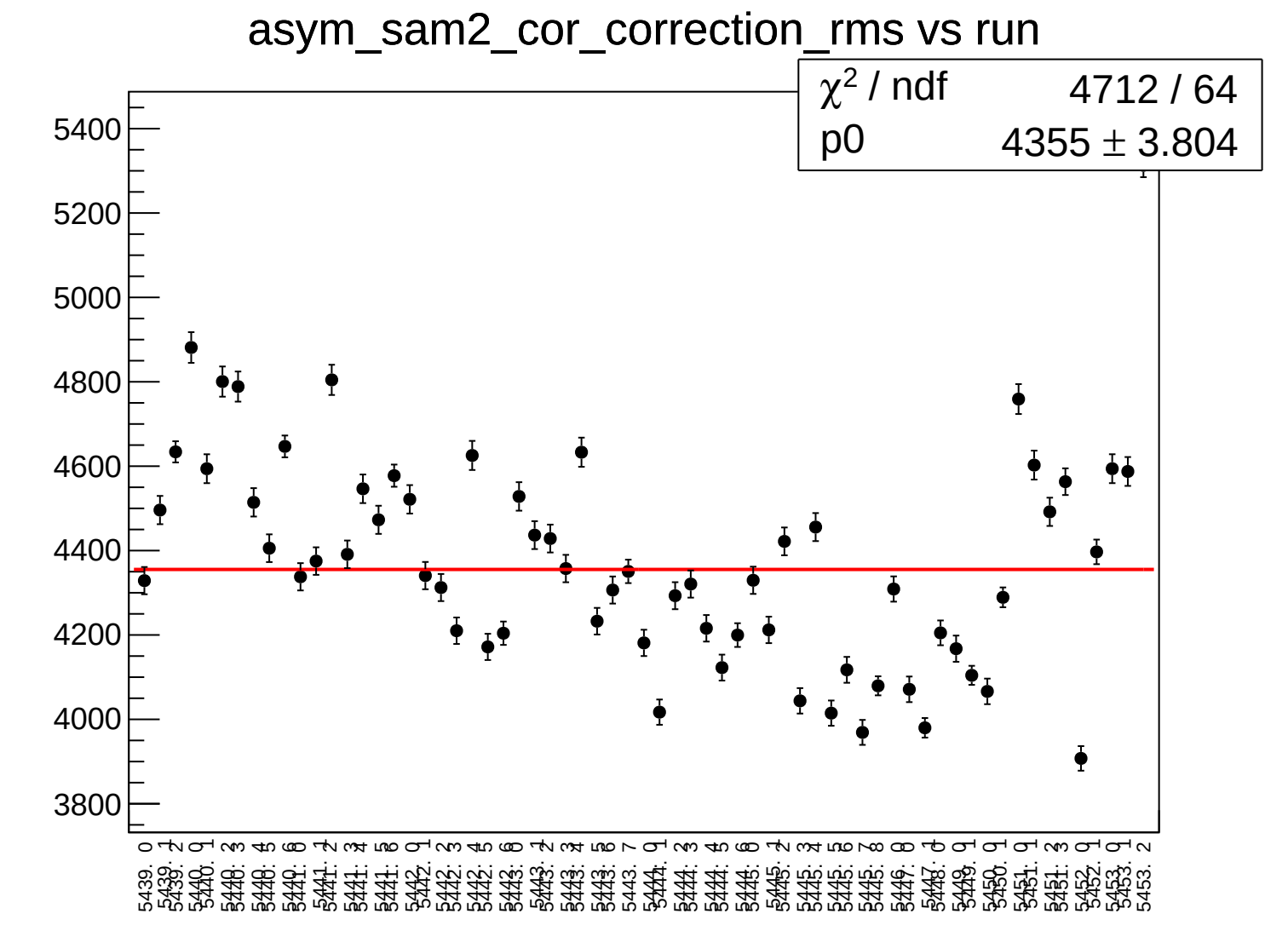

cor_asym_sam2_mean vs run
χ² / ndf 56.69 / 64
p0 955.8 ± 551
pull
Entries 65
Mean 32.41
Std Dev 47.34

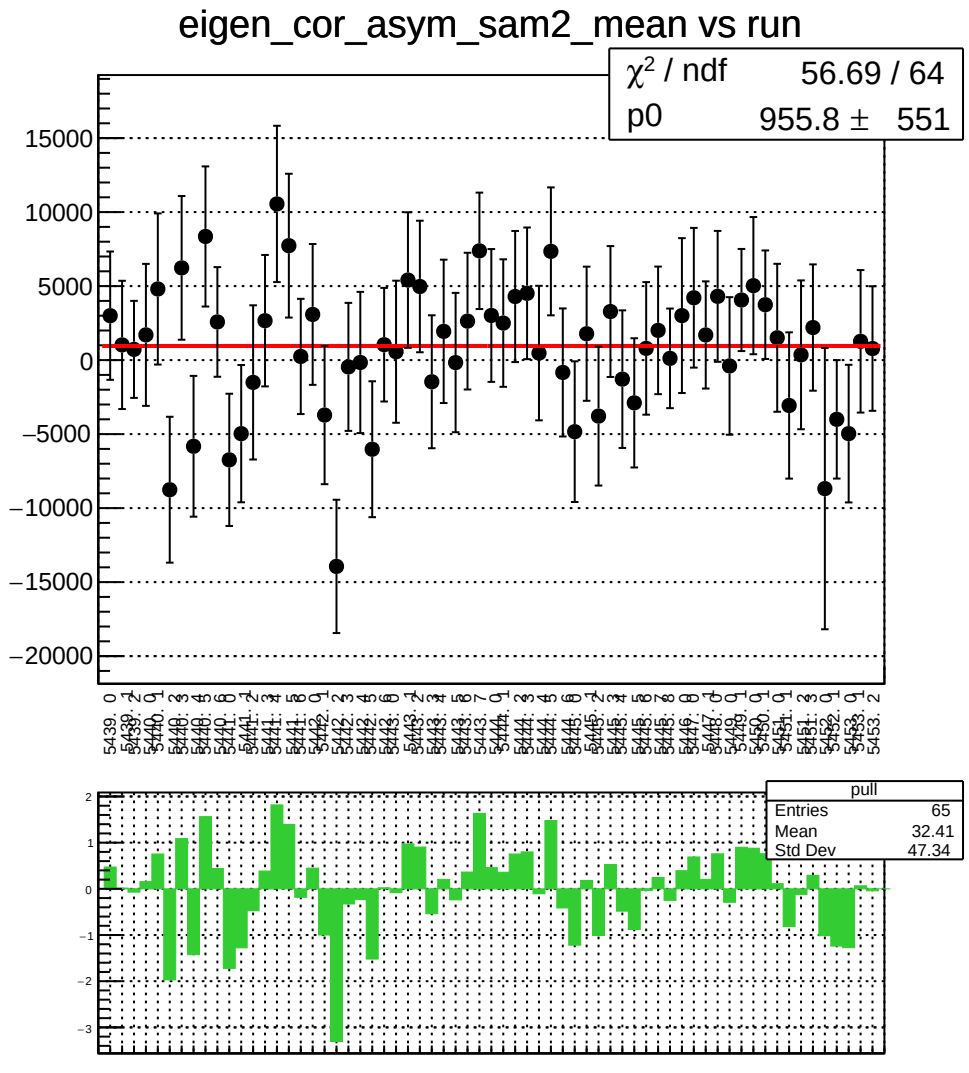

pull1D
Entries 65
Mean −0.01642
Std Dev 0.9337

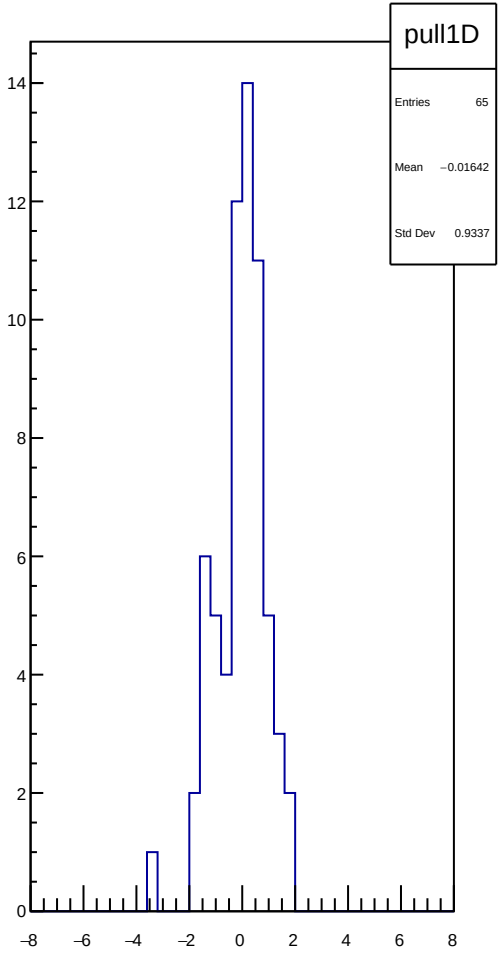

cor_asym_sam2_rms vs run
χ² / ndf 9708 / 64
p0 445.2 ± 0.3896
900
800
700
600
500
400

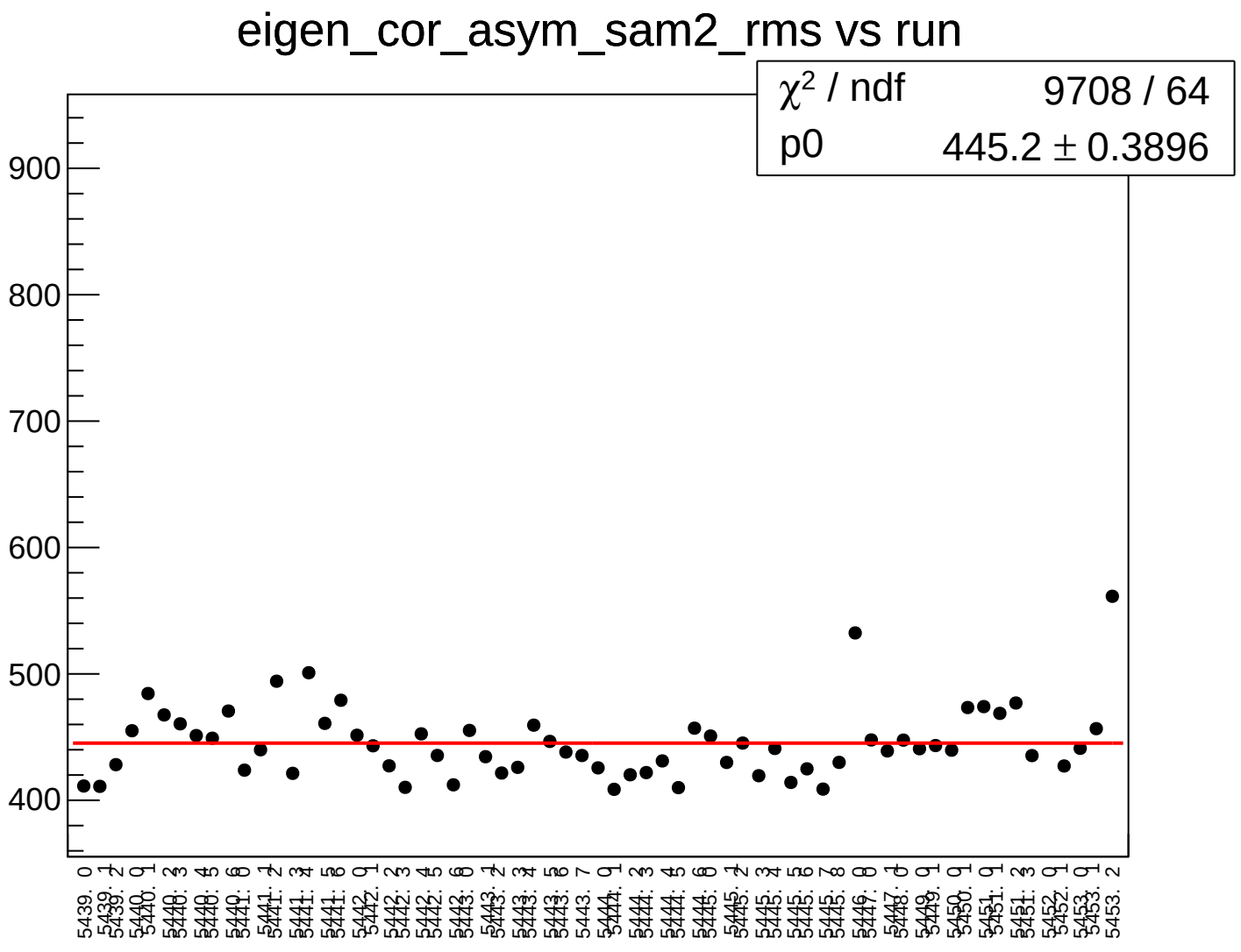

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 70.21 / 64
p0 −8400 ± 5380
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −107.6
Std Dev 0
2
1
0
−1
−2

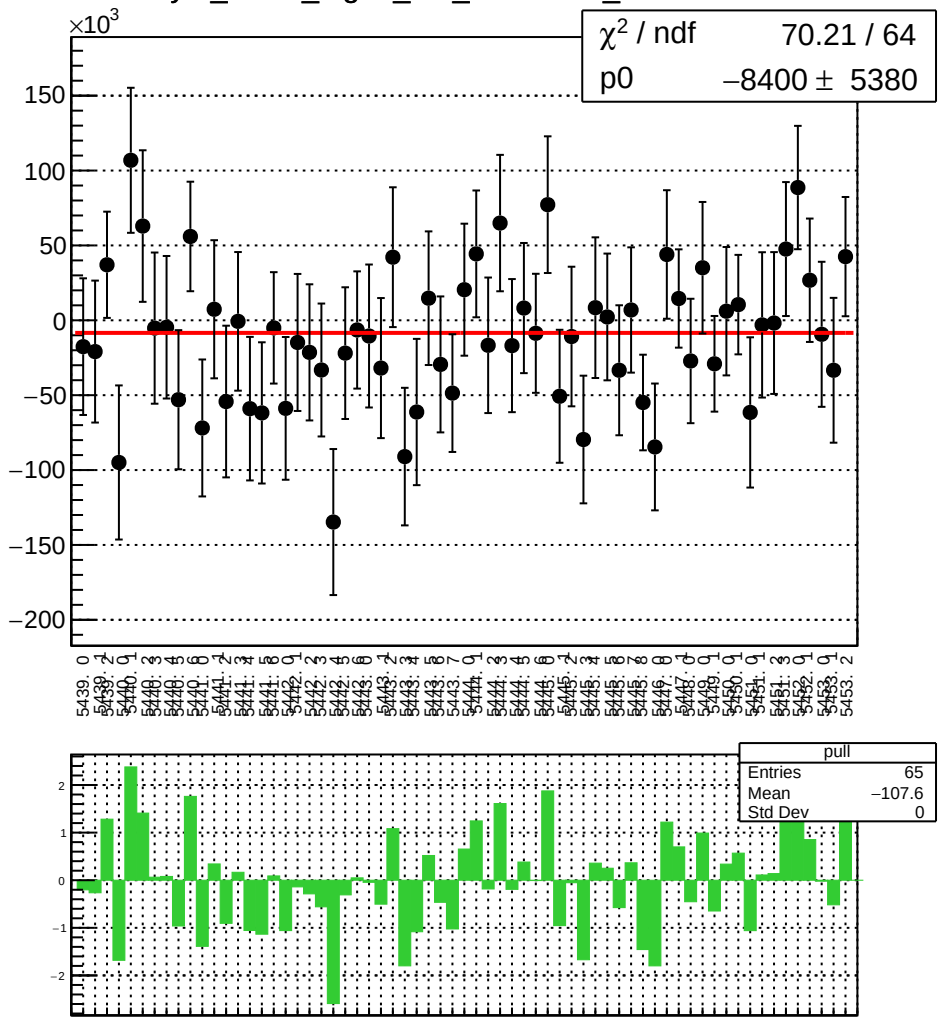

pull1D
Entries 65
Mean −0.01924
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

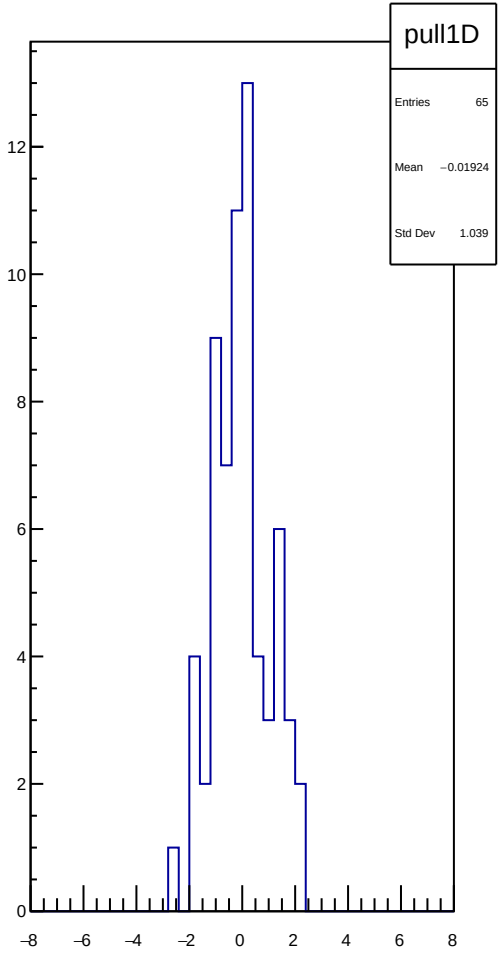

asym_sam2_cor_correction_rms vs run
χ² / ndf 4712 / 64
p0 4355 ± 3.804
5400
5200
5000
4800
4600
4400
4200
4000
3800

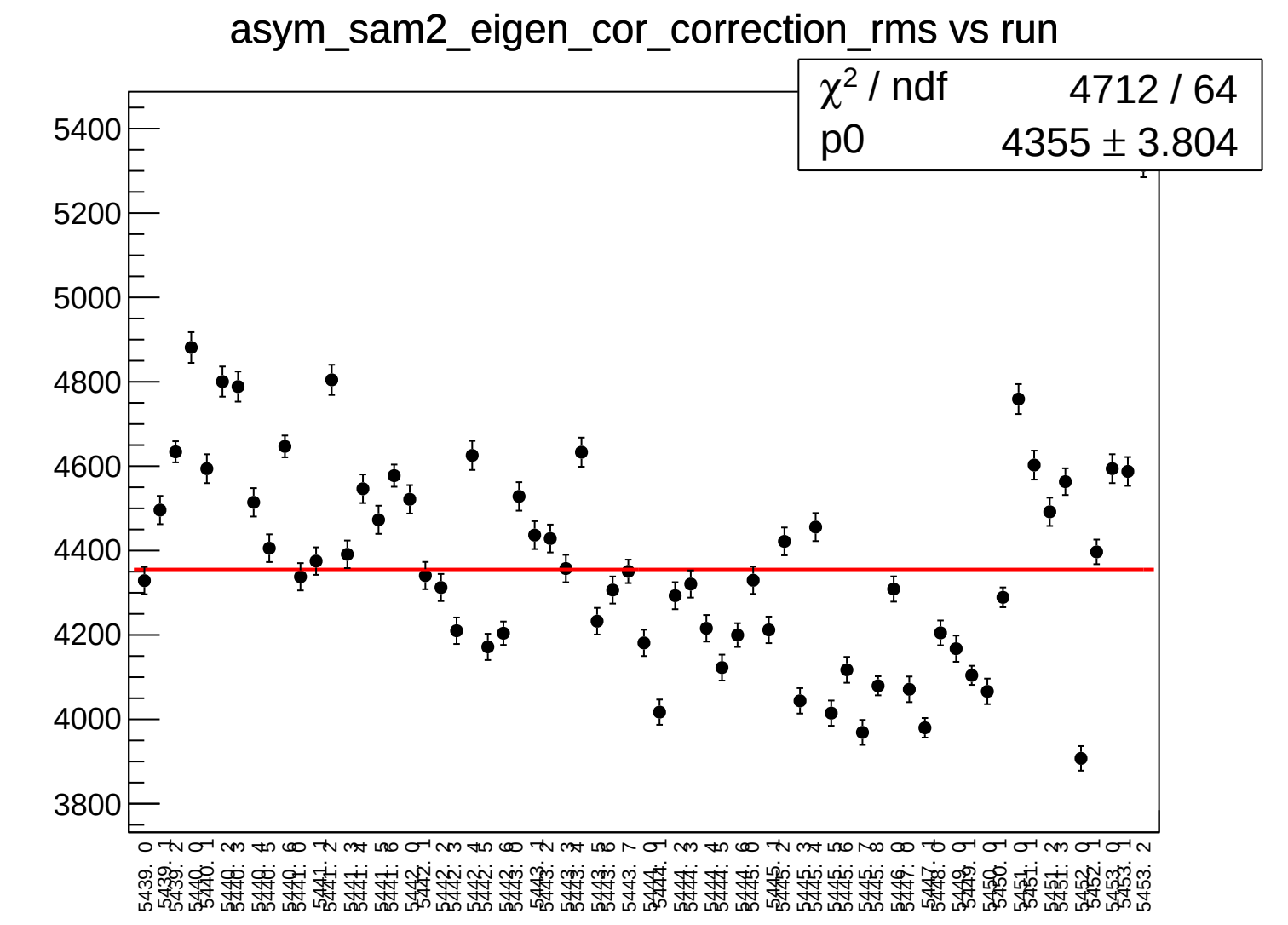

eigen_cor_asym_sam2_mean vs run
χ² / ndf 56.69 / 64
p0 955.8 ± 551
pull
Entries 65
Mean 32.41
Std Dev 47.34

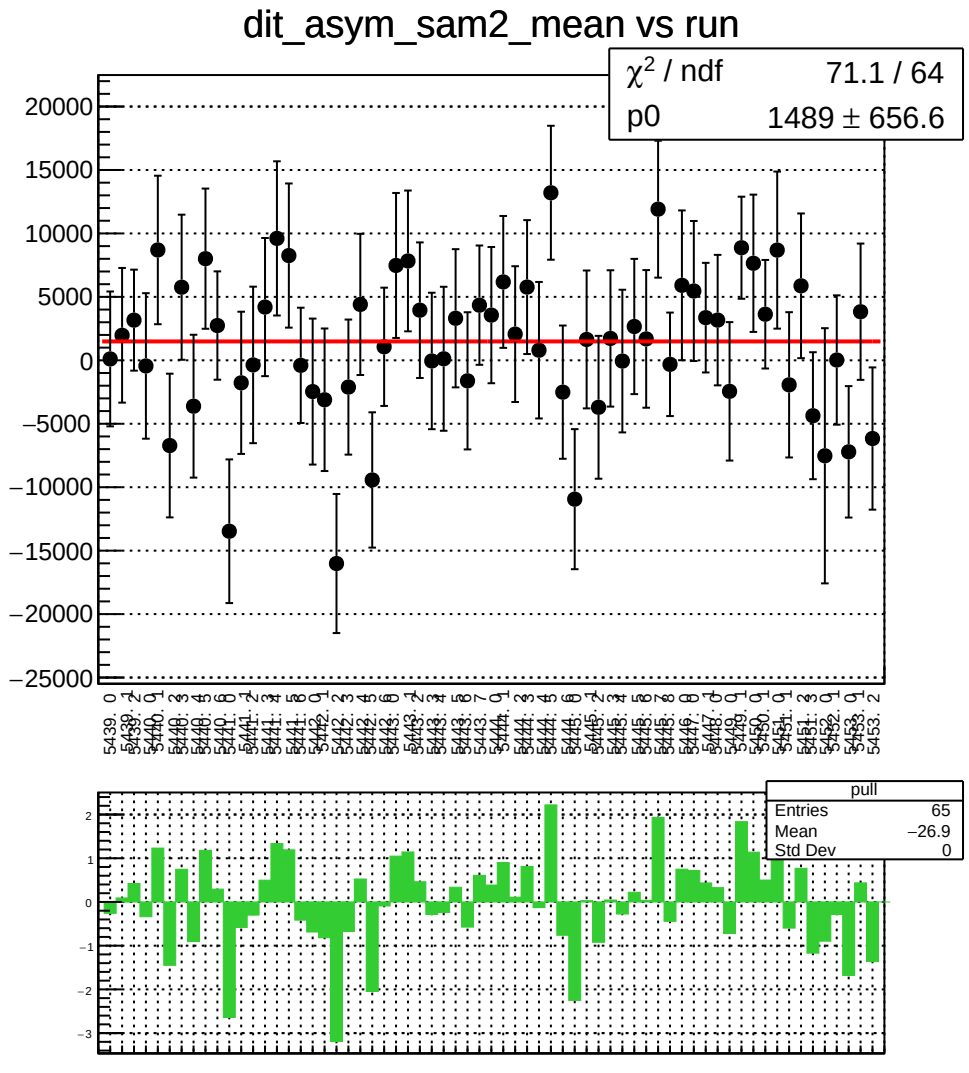

pull1D
Entries 65
Mean −0.01642
Std Dev 0.9337

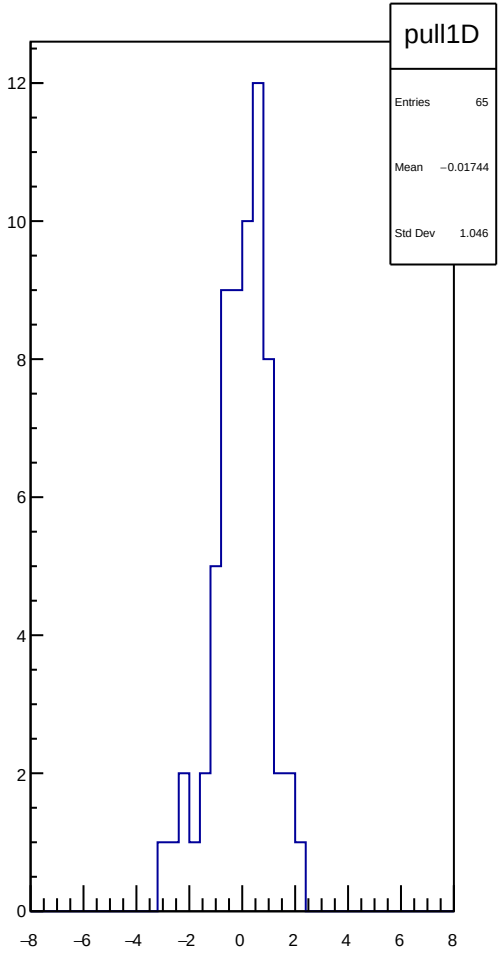

eigen_cor_asym_sam2_rms vs run
χ² / ndf 9708 / 64
p0 445.2 ± 0.3896
900
800
700
600
500
400

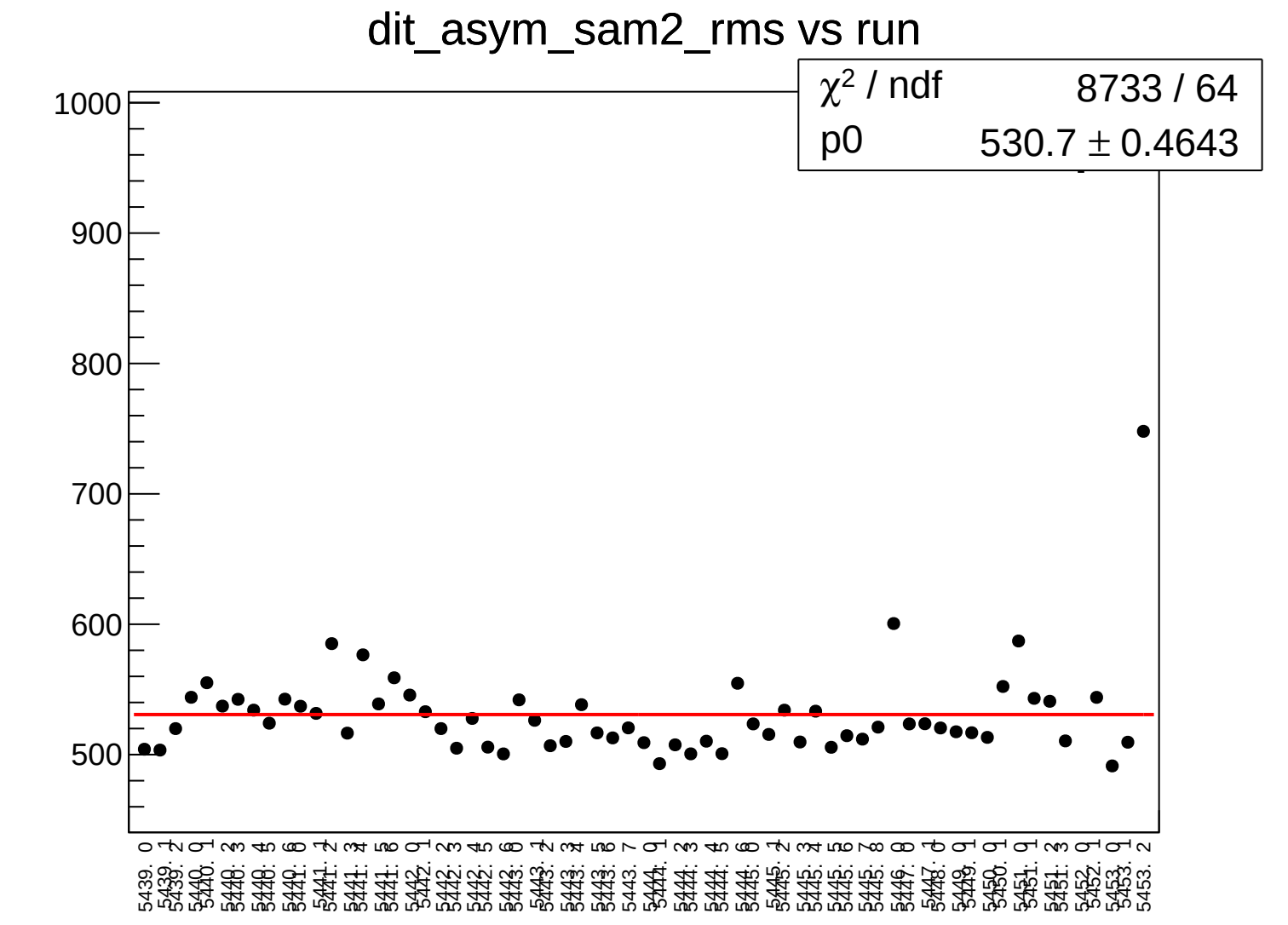

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 70.21 / 64
p0 −8400 ± 5380
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −107.6
Std Dev 0
2
1
0
−1
−2

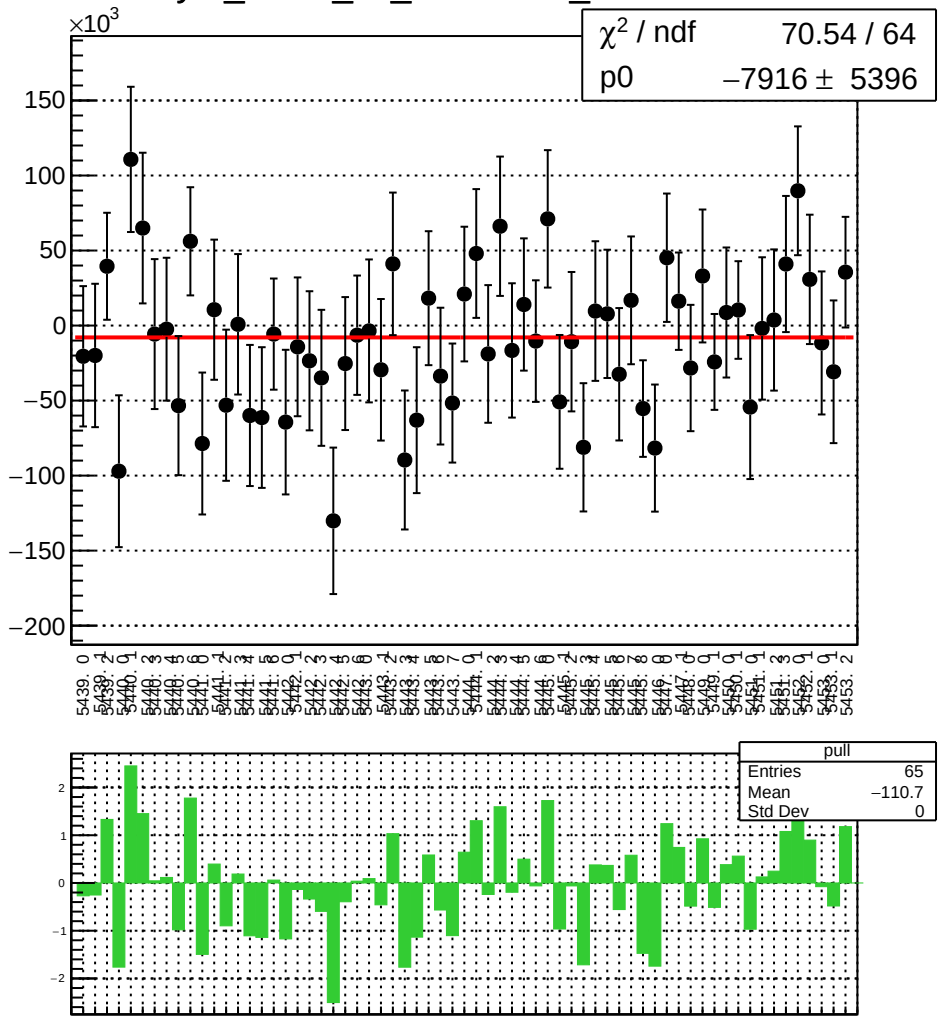

pull1D
Entries 65
Mean −0.01924
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

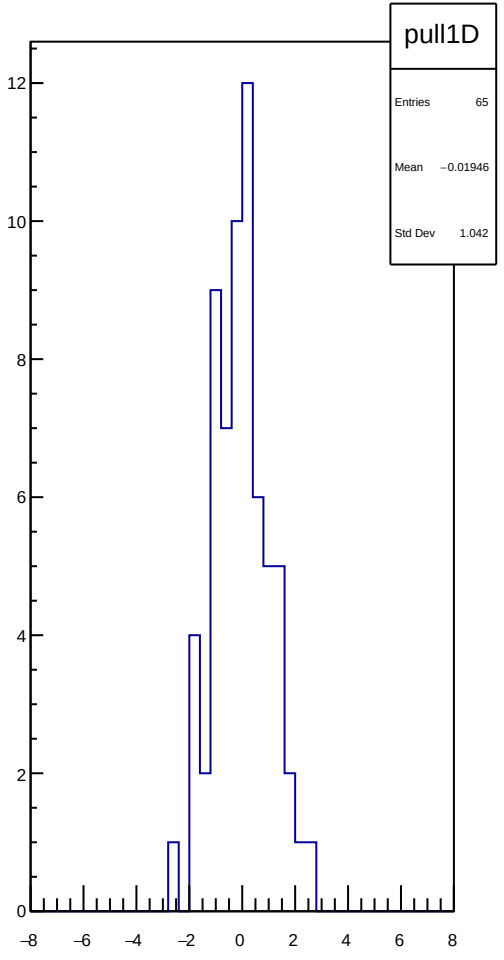

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 4712 / 64
p0 4355 ± 3.804
5400
5200
5000
4800
4600
4400
4200
4000
3800

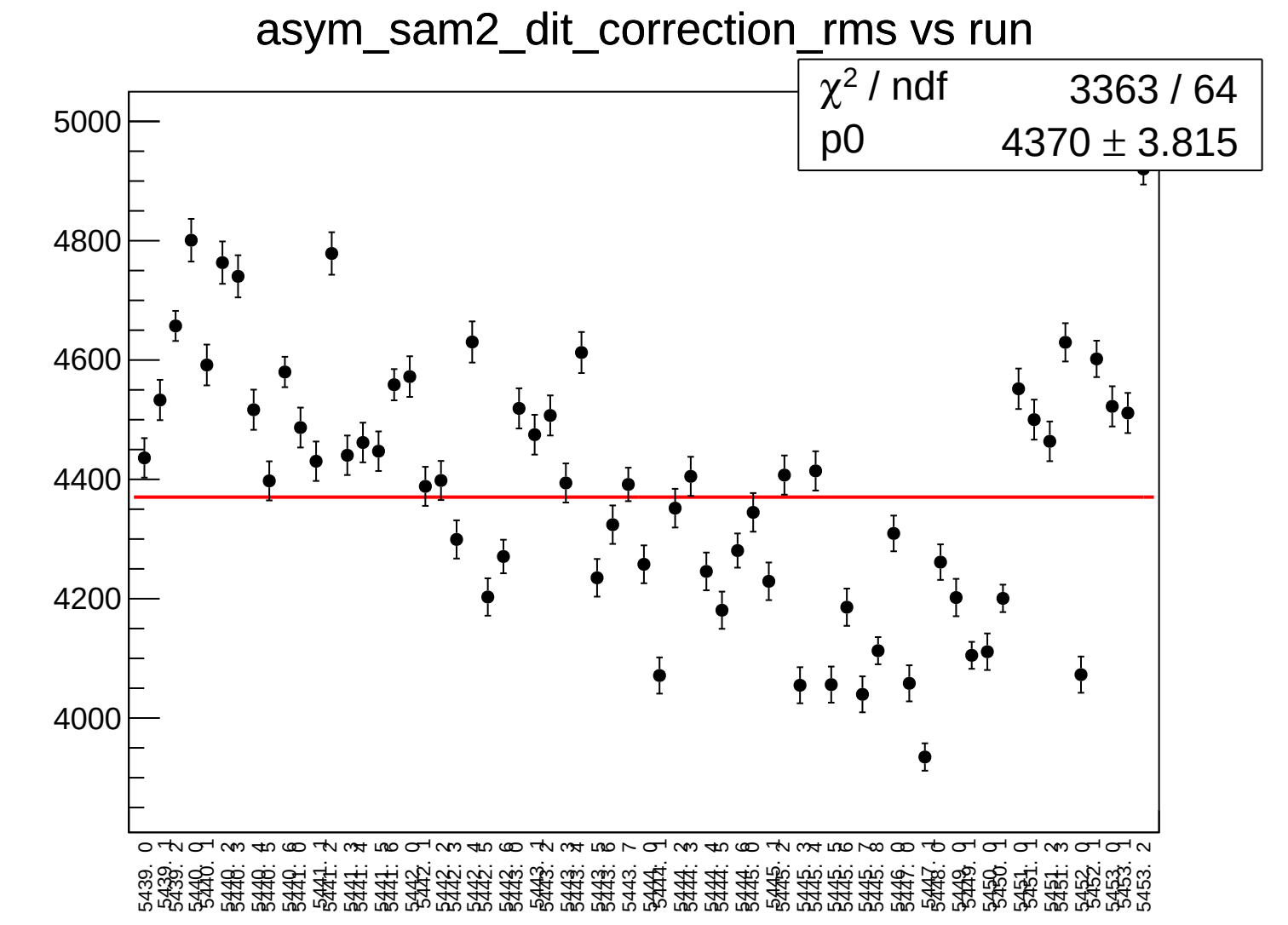

dit_asym_sam2_mean vs run
χ^2 / ndf 71.1 / 64
p0 1489 ± 656.6
pull
Entries 65
Mean −26.9
Std Dev 0

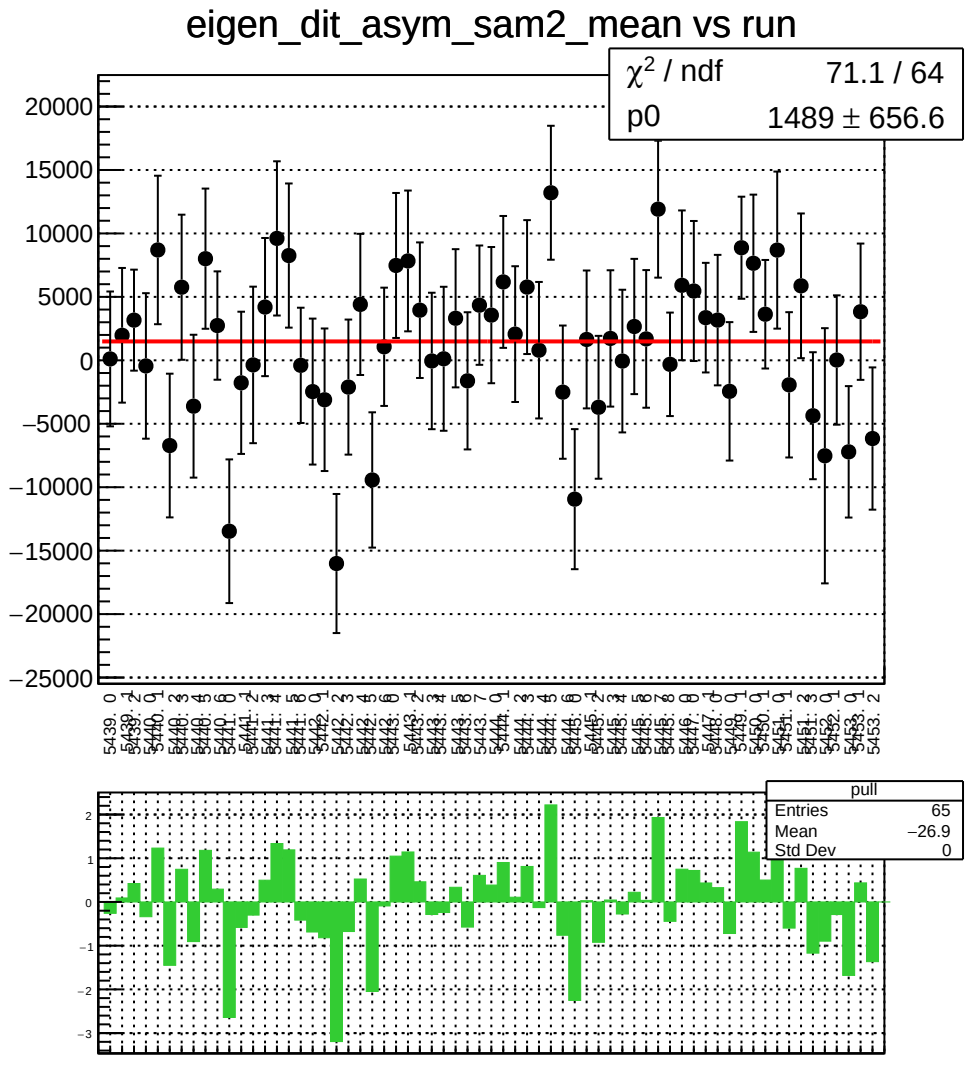

pull1D
Entries 65
Mean −0.01744
Std Dev 1.046

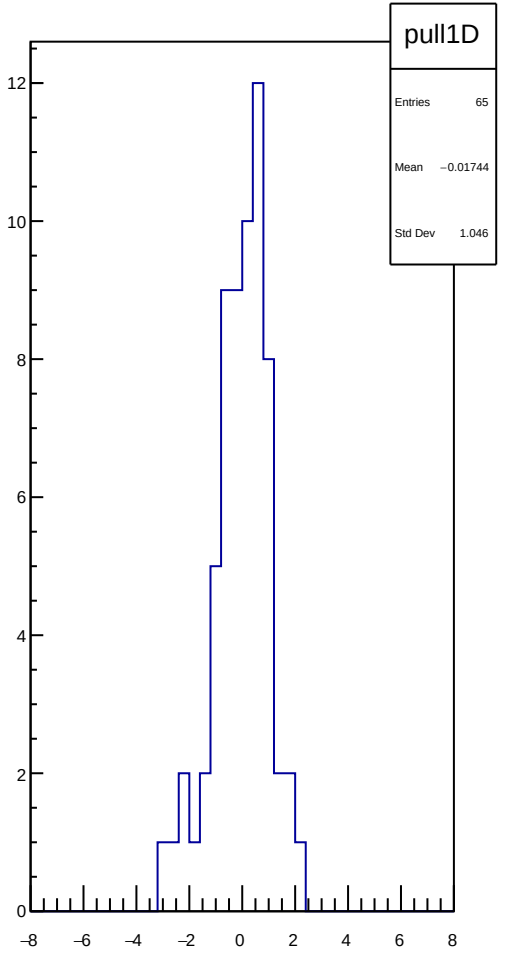

dit_asym_sam2_rms vs run
χ² / ndf 8733 / 64
p0 530.7 ± 0.4643
1000
900
800
700
600
500

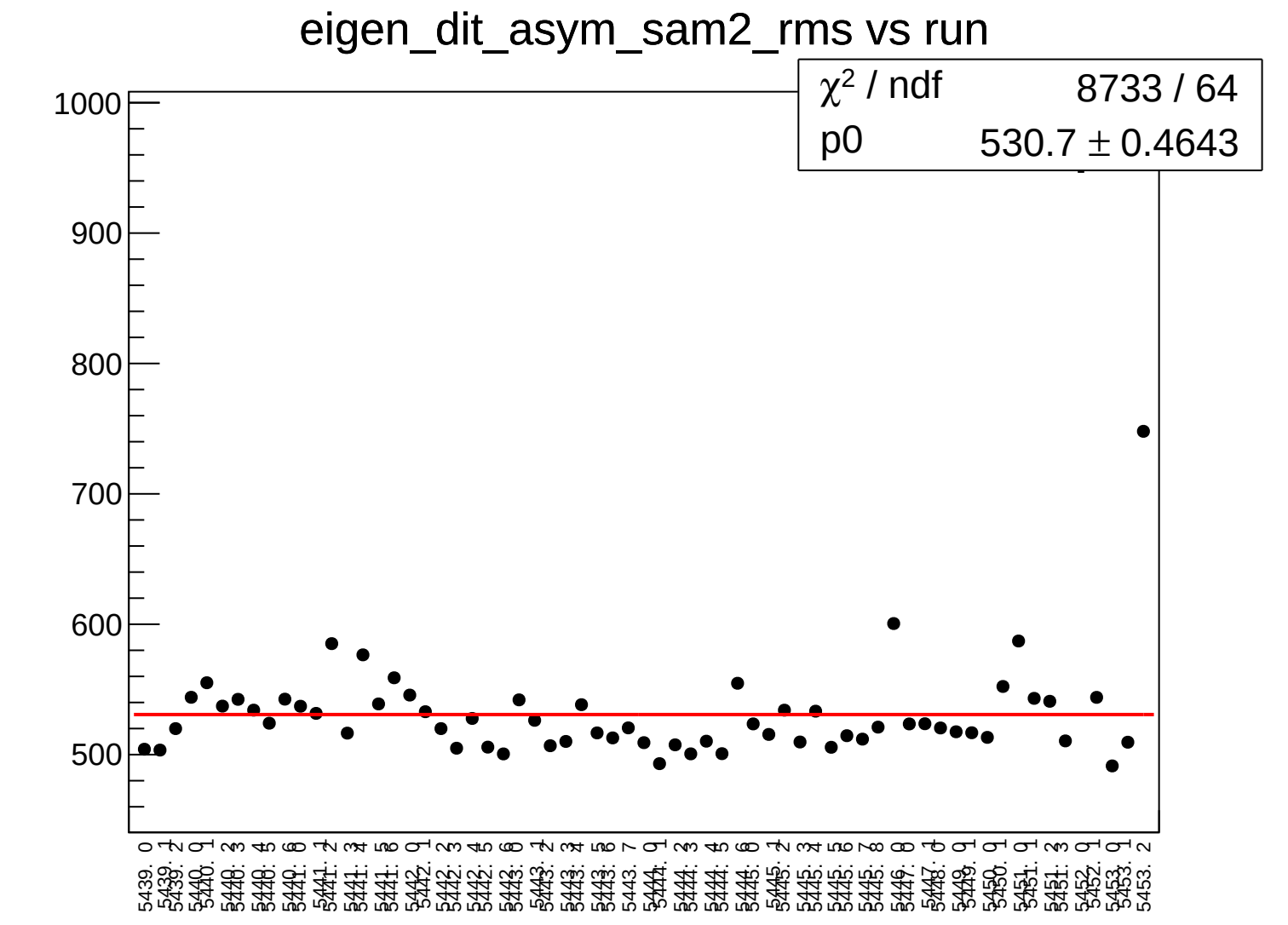

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 70.54 / 64
p0 −7916 ± 5396
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −110.7
Std Dev 0
2
1
0
−1
−2

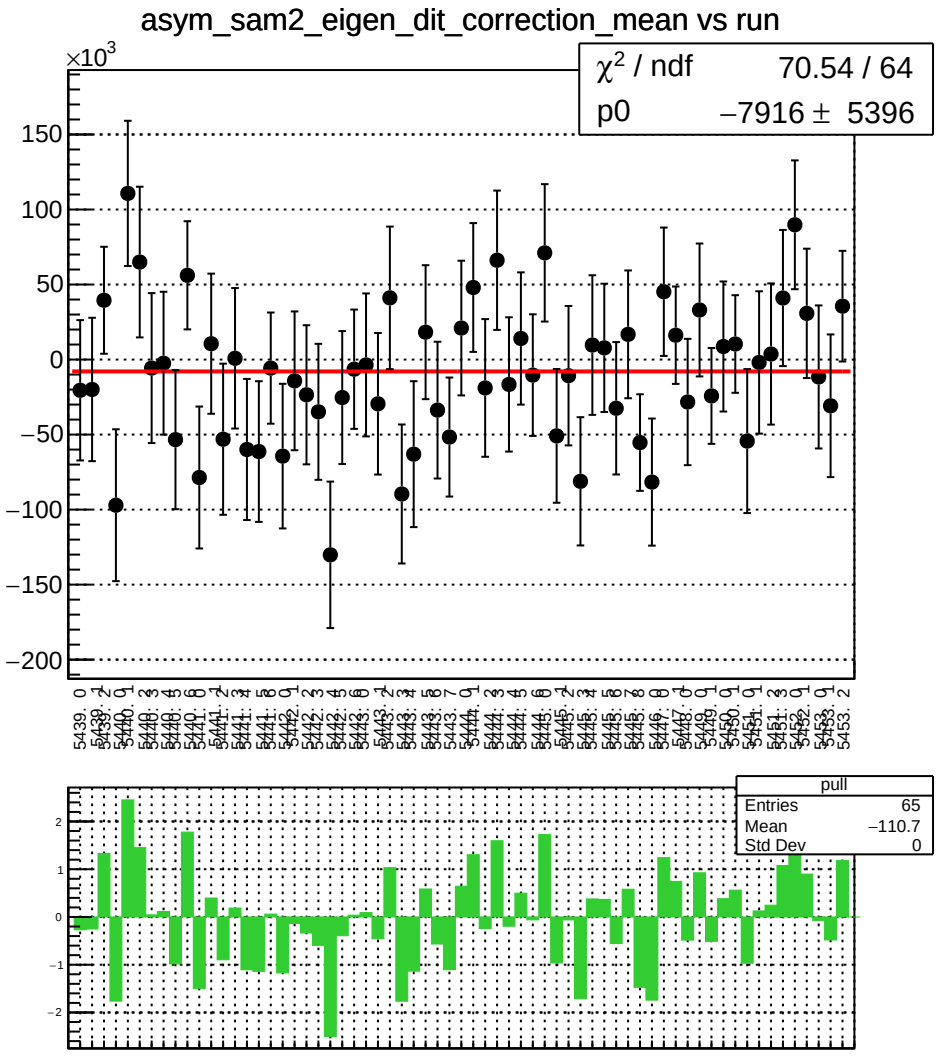

pull1D
Entries 65
Mean −0.01946
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

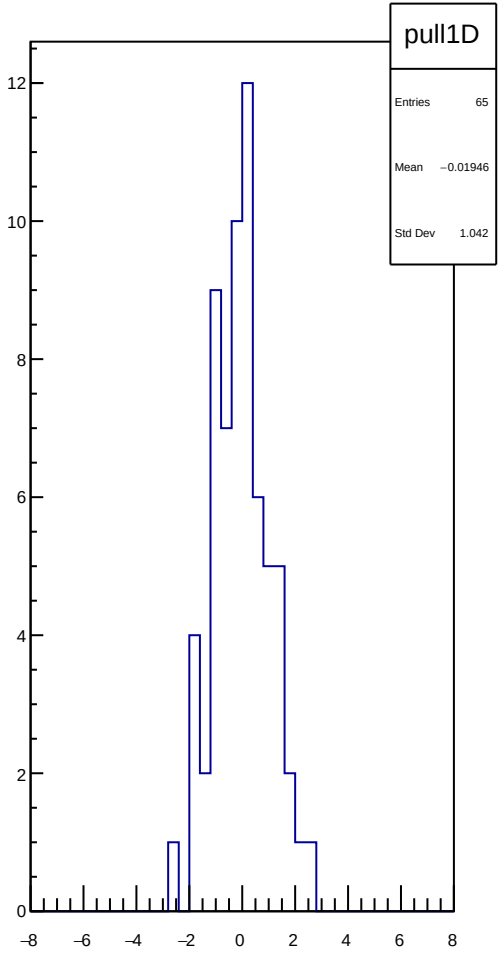

asym_sam2_dit_correction_rms vs run
χ^2 / ndf 3363 / 64
p0 4370 ± 3.815
5000
4800
4600
4400
4200
4000

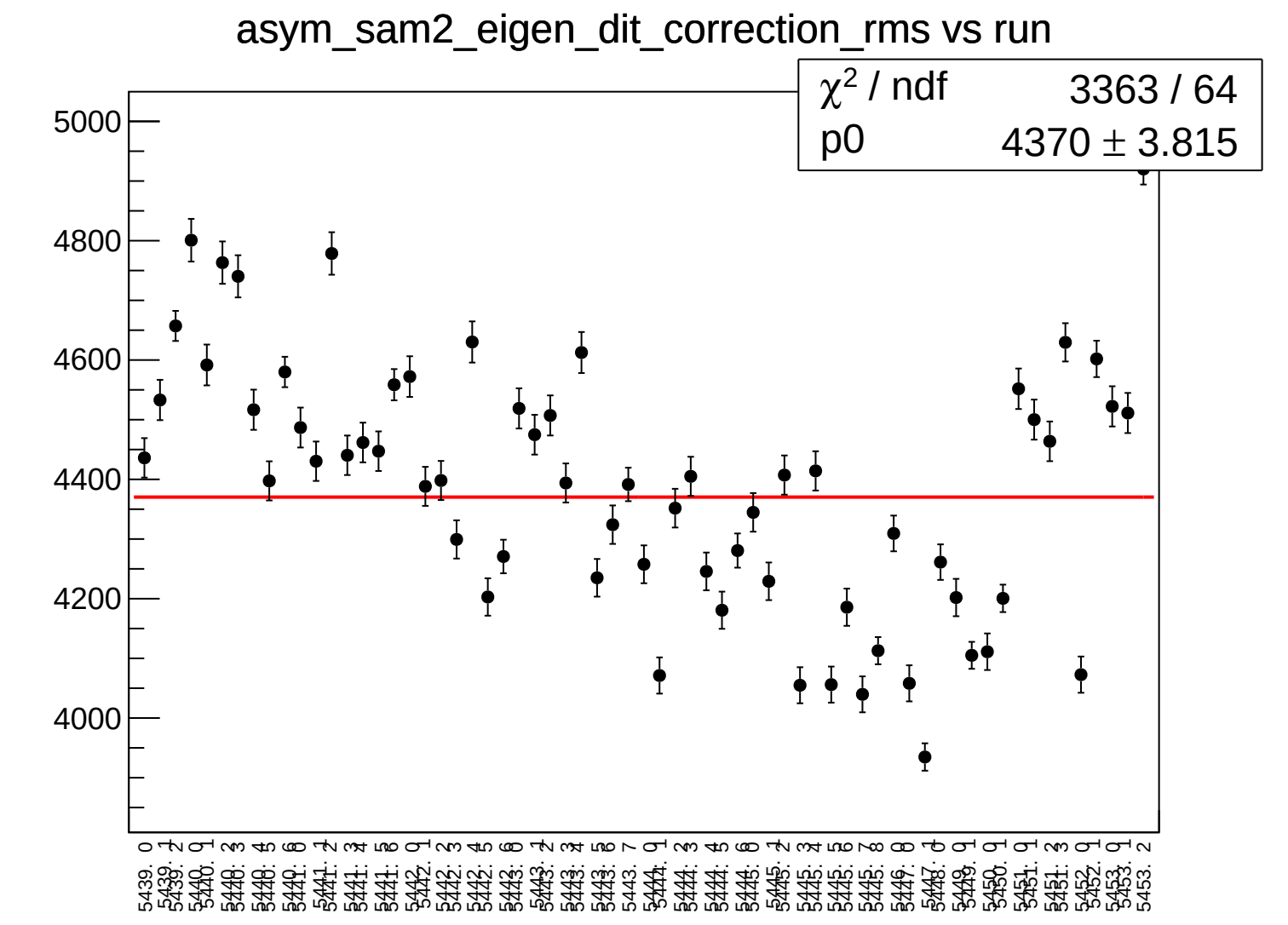

eigen_dit_asym_sam2_mean vs run
χ^2 / ndf 71.1 / 64
p0 1489 ± 656.6
pull
Entries 65
Mean −26.9
Std Dev 0

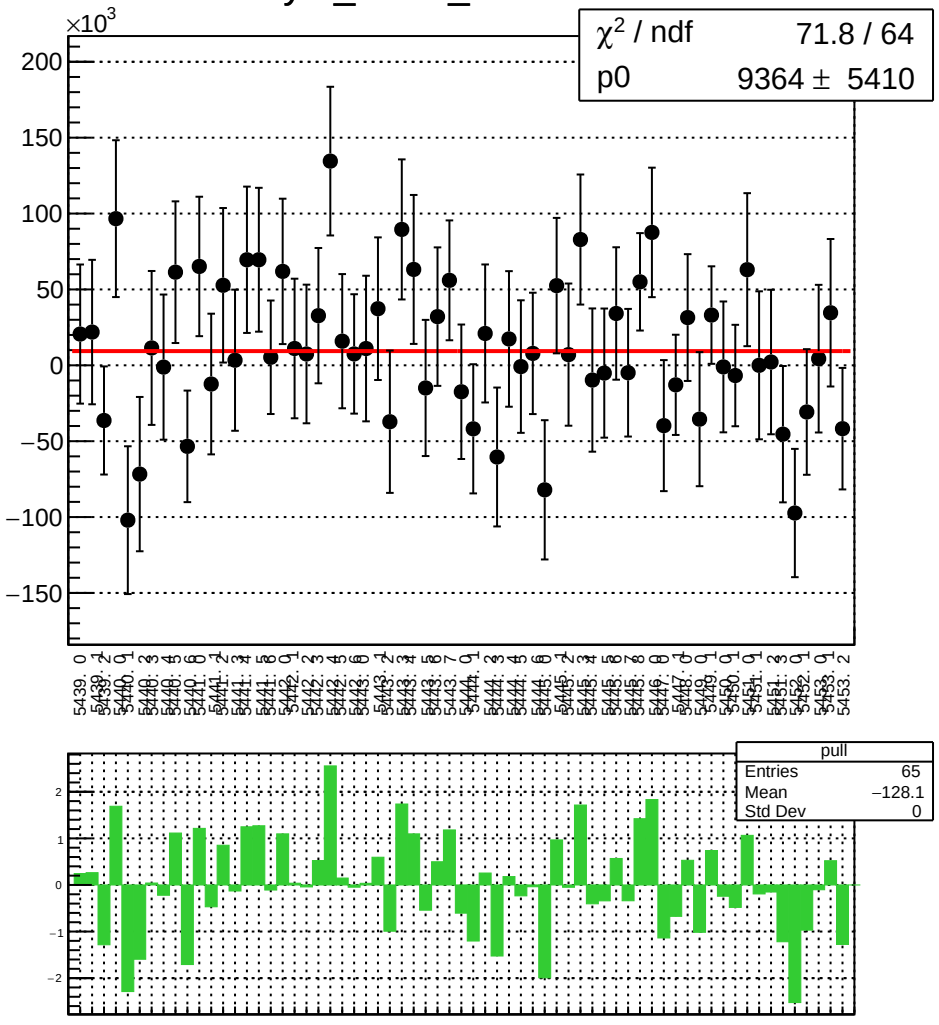

pull1D
Entries 65
Mean −0.01744
Std Dev 1.046

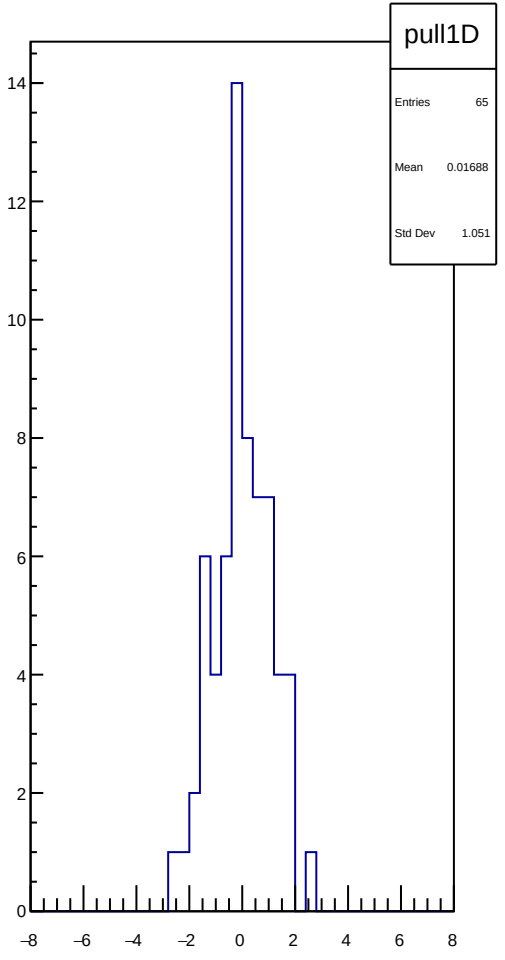

eigen_dit_asym_sam2_rms vs run
χ² / ndf 8733 / 64
p0 530.7 ± 0.4643
1000
900
800
700
600
500

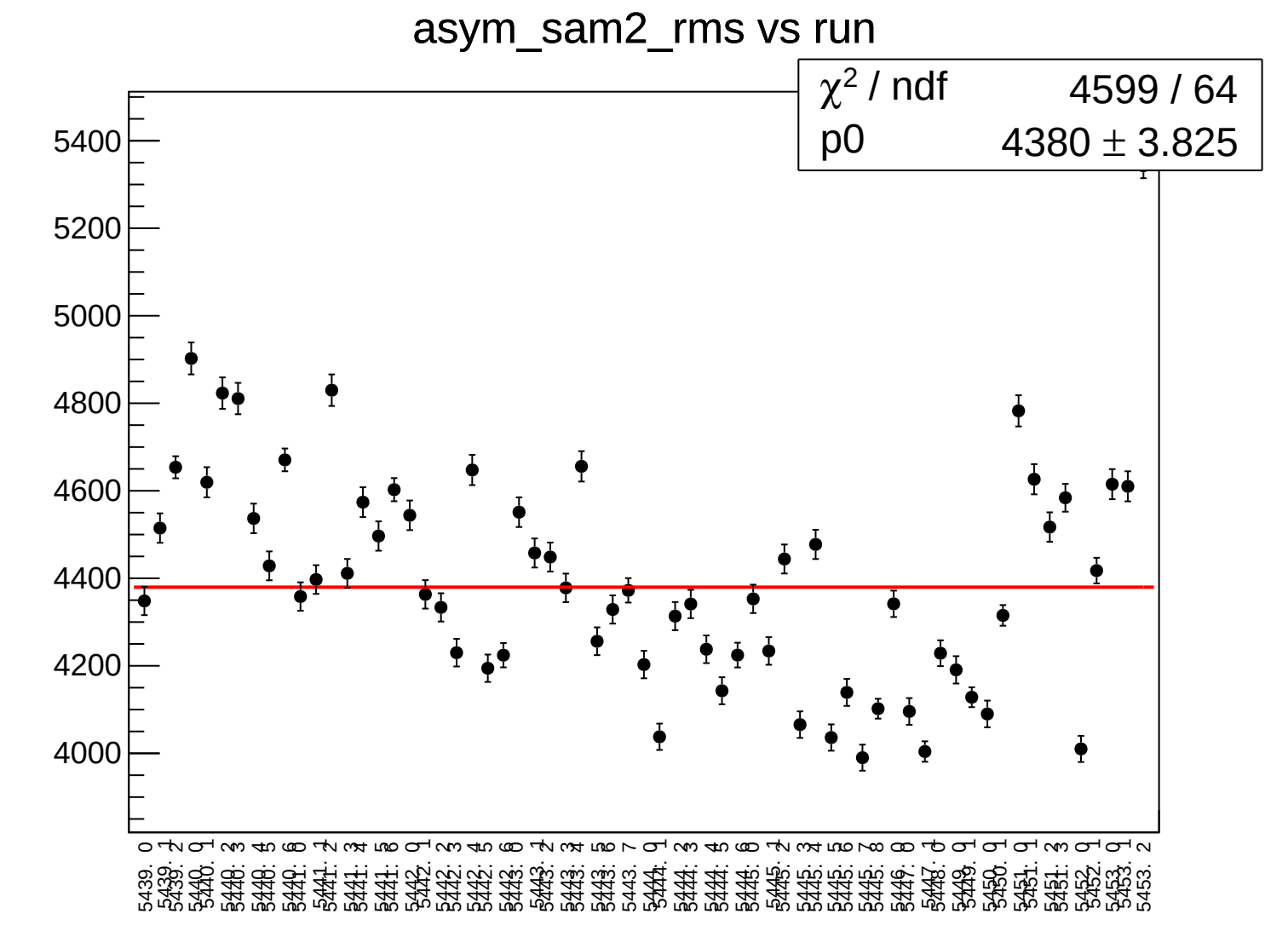

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 70.54 / 64
p0 −7916 ± 5396
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −110.7
Std Dev 0
2
1
0
−1
−2

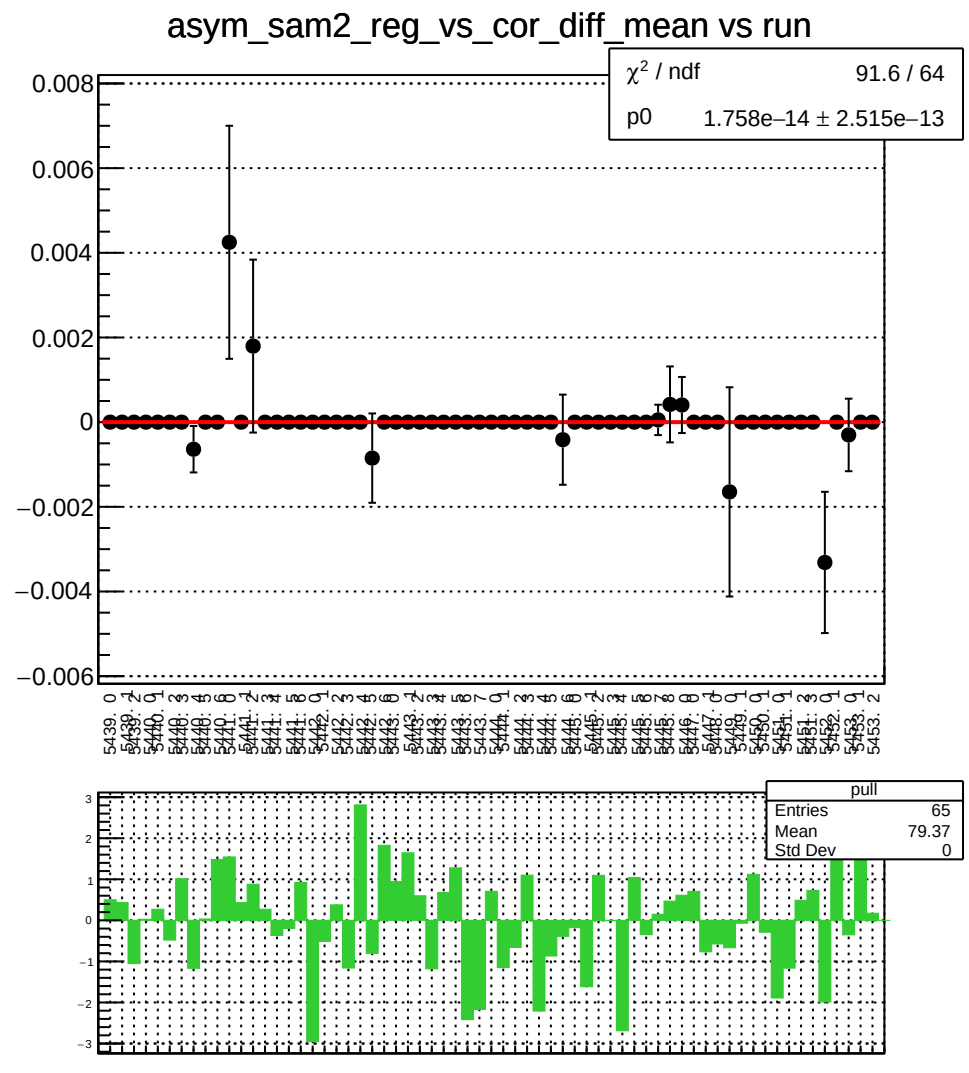

pull1D
Entries 65
Mean −0.01946
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

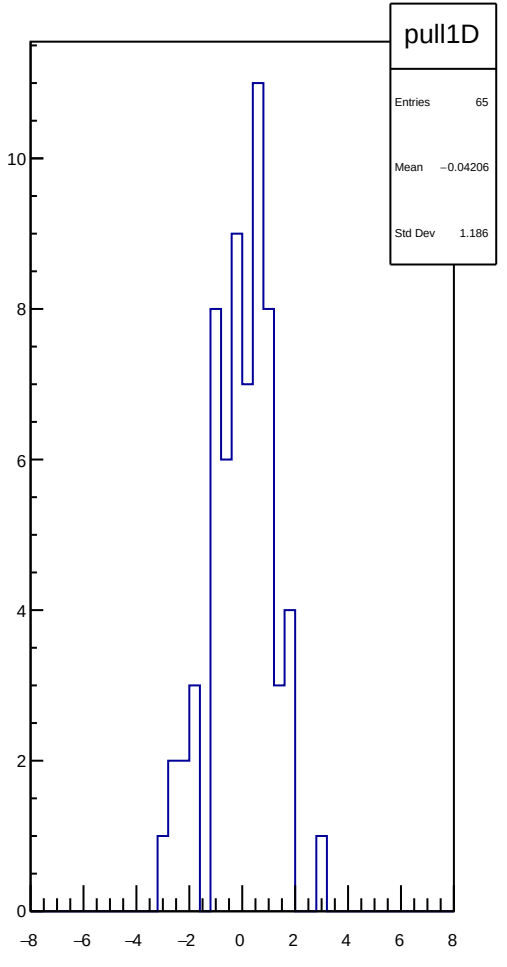

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 3363 / 64
p0 4370 ± 3.815
5000
4800
4600
4400
4200
4000

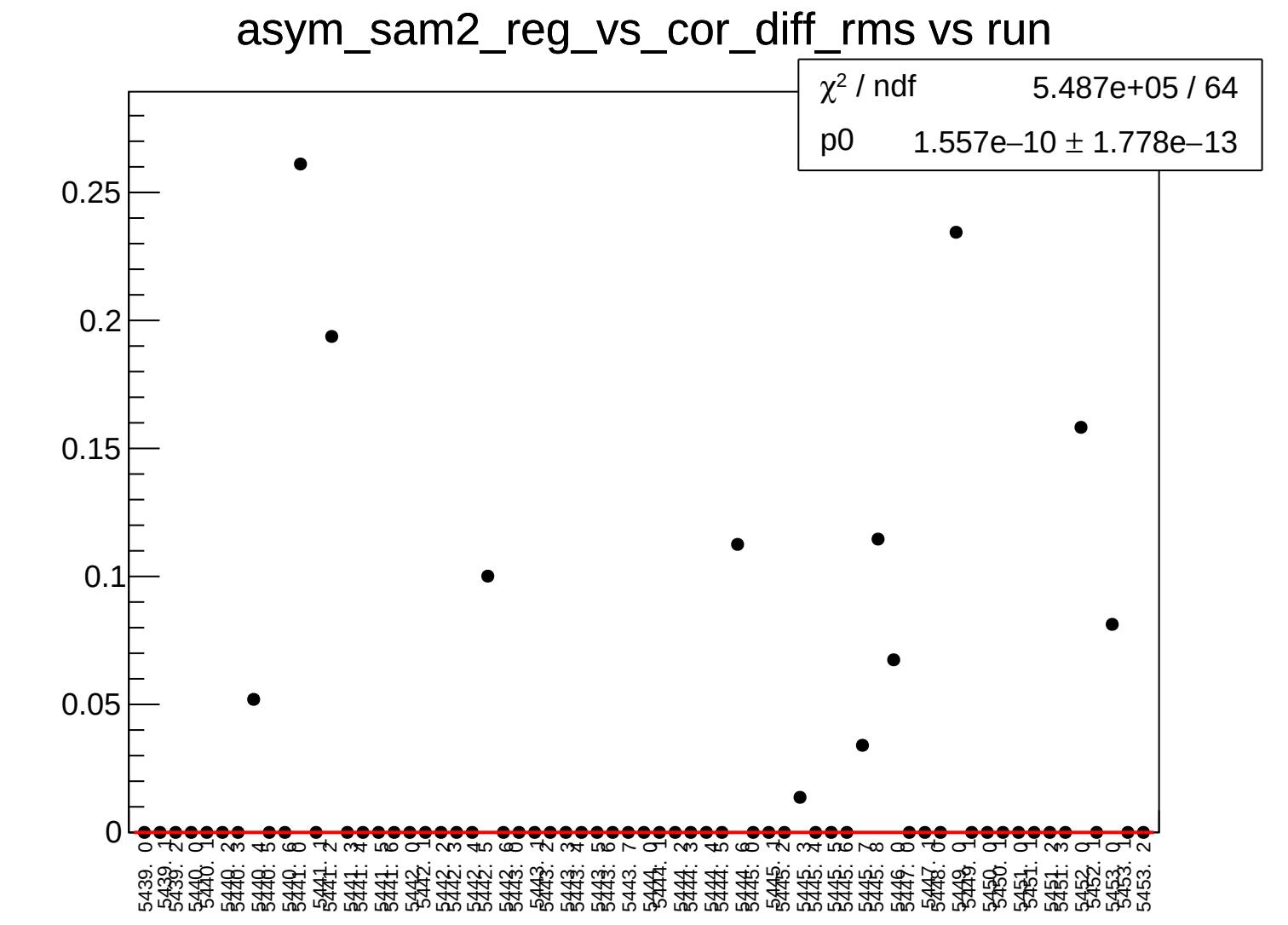

asym_sam2_mean vs run
×10^3
χ² / ndf 71.8 / 64
p0 9364 ± 5410
pull
Entries 65
Mean −128.1
Std Dev 0

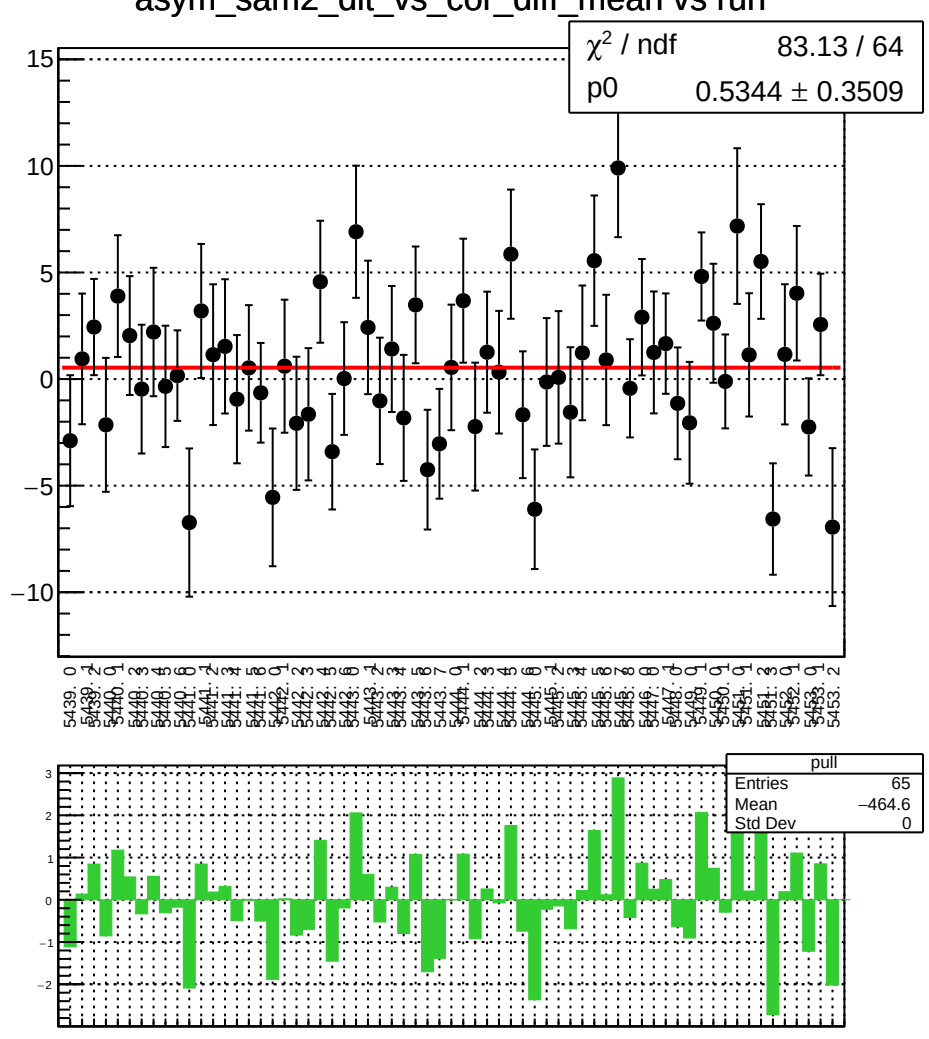

pull1D
Entries 65
Mean 0.01688
Std Dev 1.051

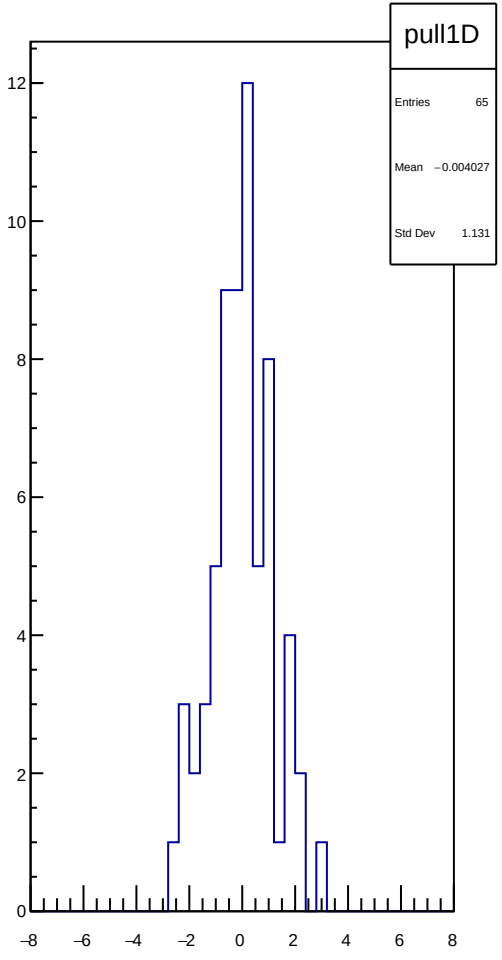

asym_sam2_rms vs run
χ² / ndf 4599 / 64
p0 4380 ± 3.825
5400
5200
5000
4800
4600
4400
4200
4000

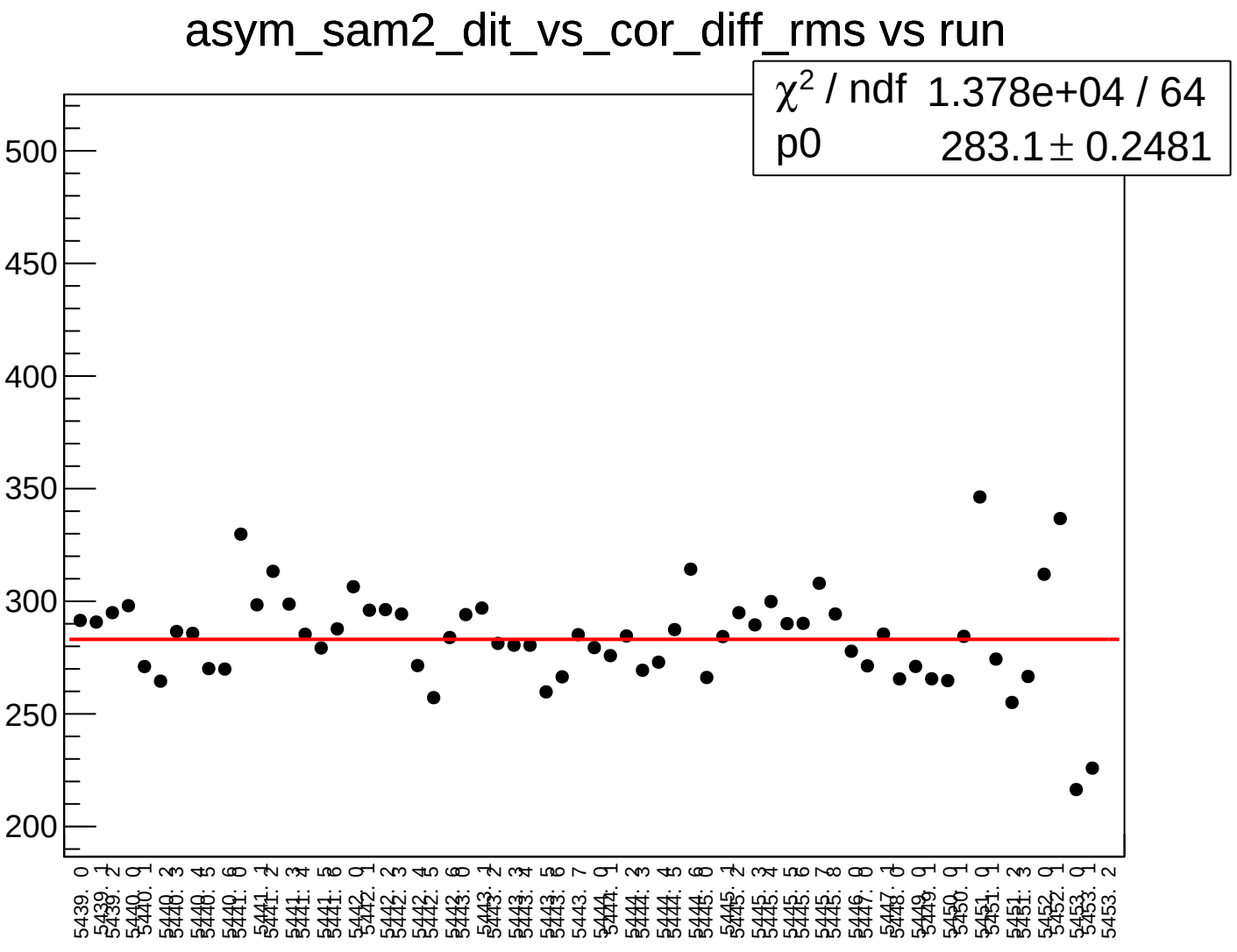

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 91.6 / 64
p0 1.758e−14 ± 2.515e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 65
Mean 79.37
Std Dev 0
3
2
1
0
−1
−2
−3

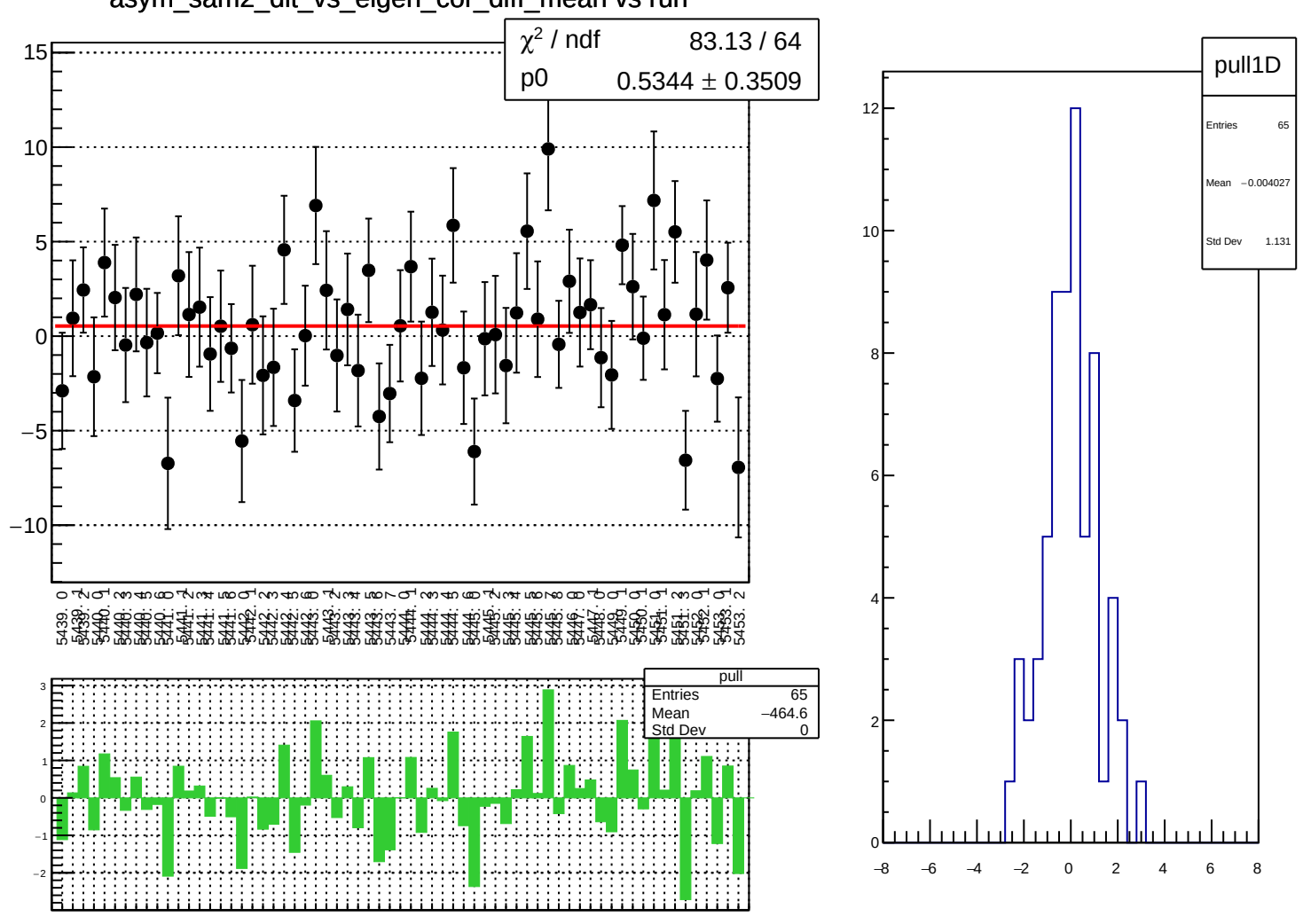

pull1D
Entries 65
Mean −0.04206
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

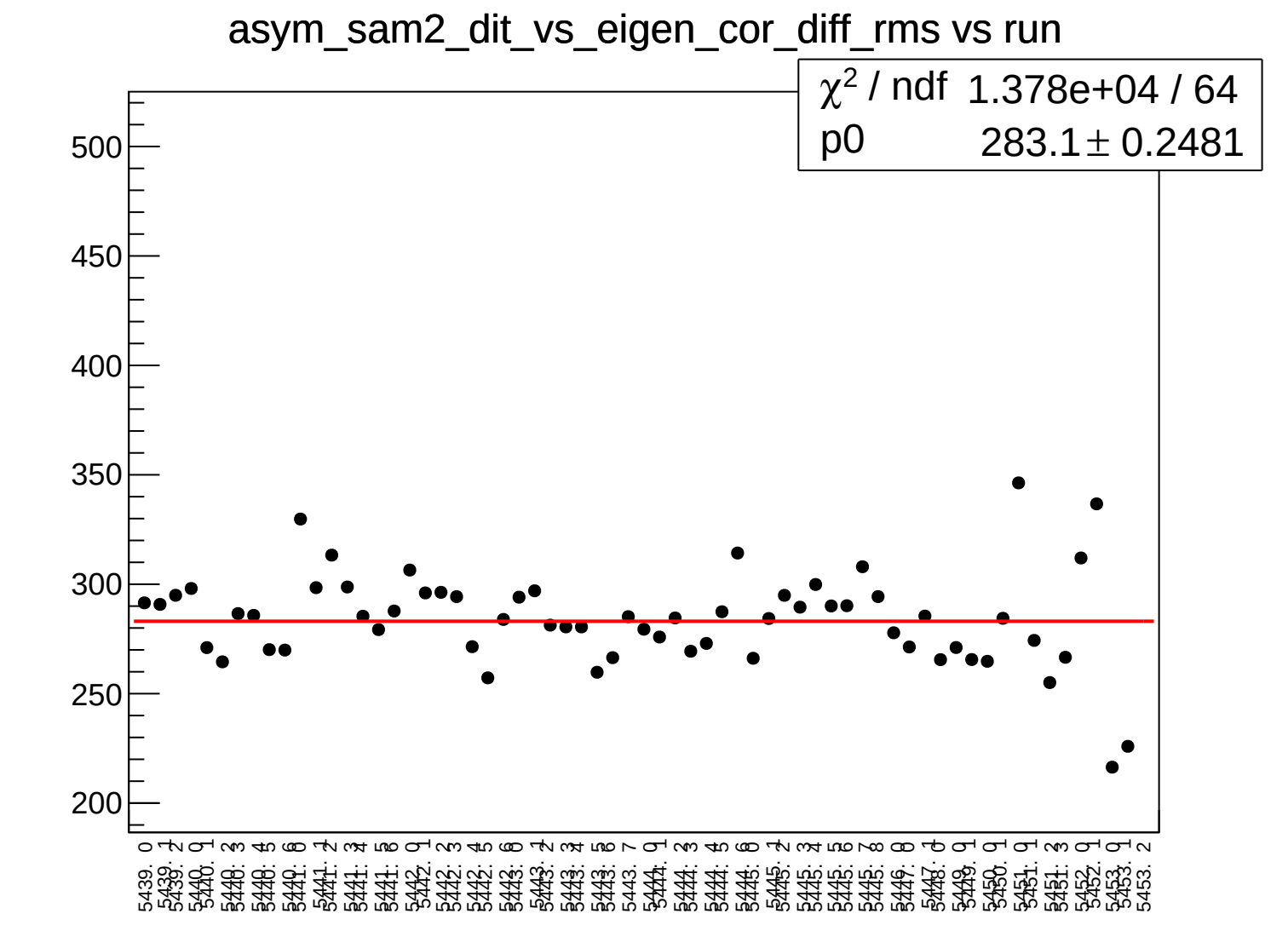

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.487e+05 / 64
p0 1.557e−10 ± 1.778e−13
0.25
0.2
0.15
0.1
0.05
0

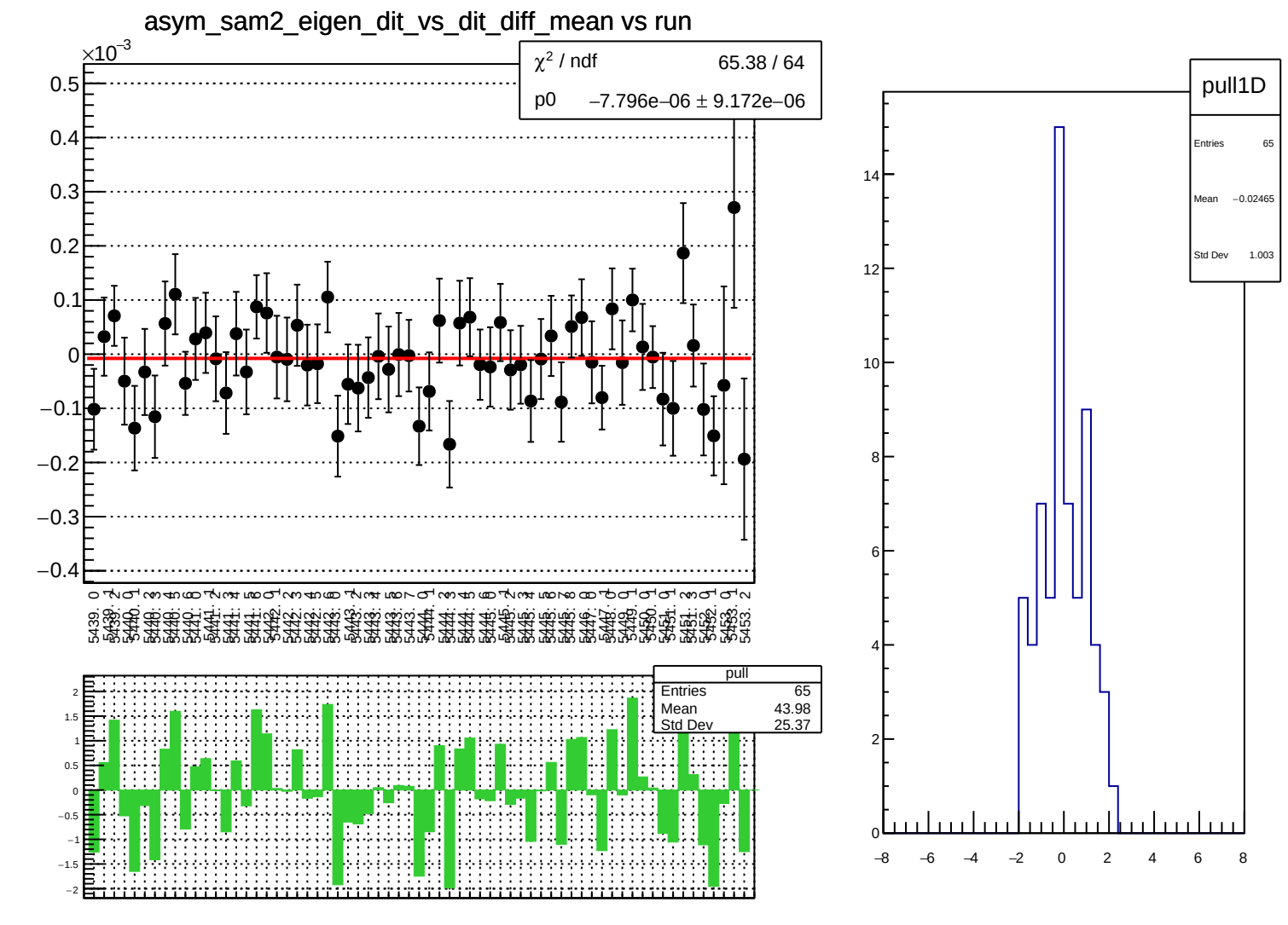

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 83.13 / 64
p0 0.5344 ± 0.3509
pull
Entries 65
Mean −464.6
Std Dev 0

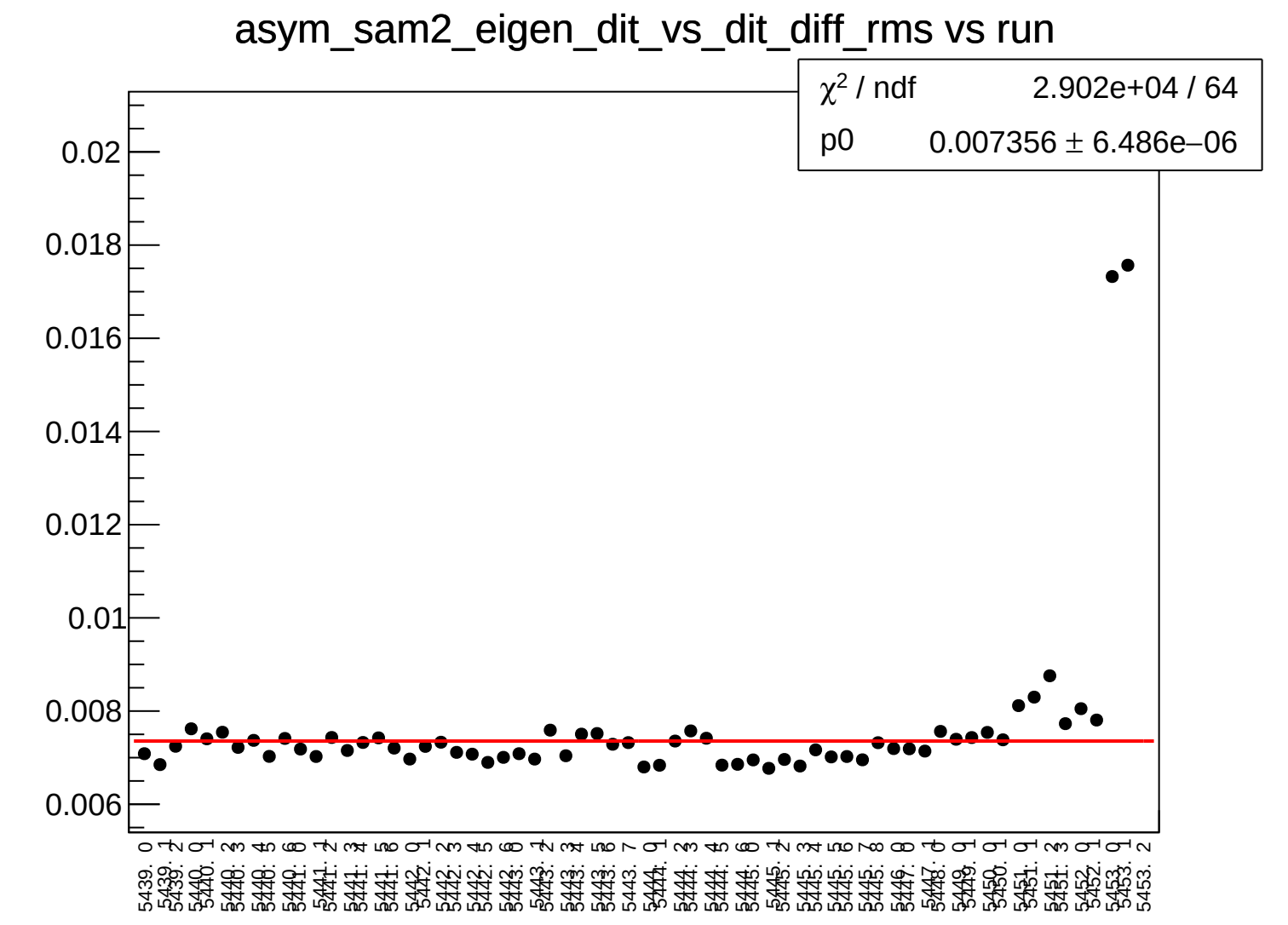

pull1D
Entries 65
Mean −0.004027
Std Dev 1.131

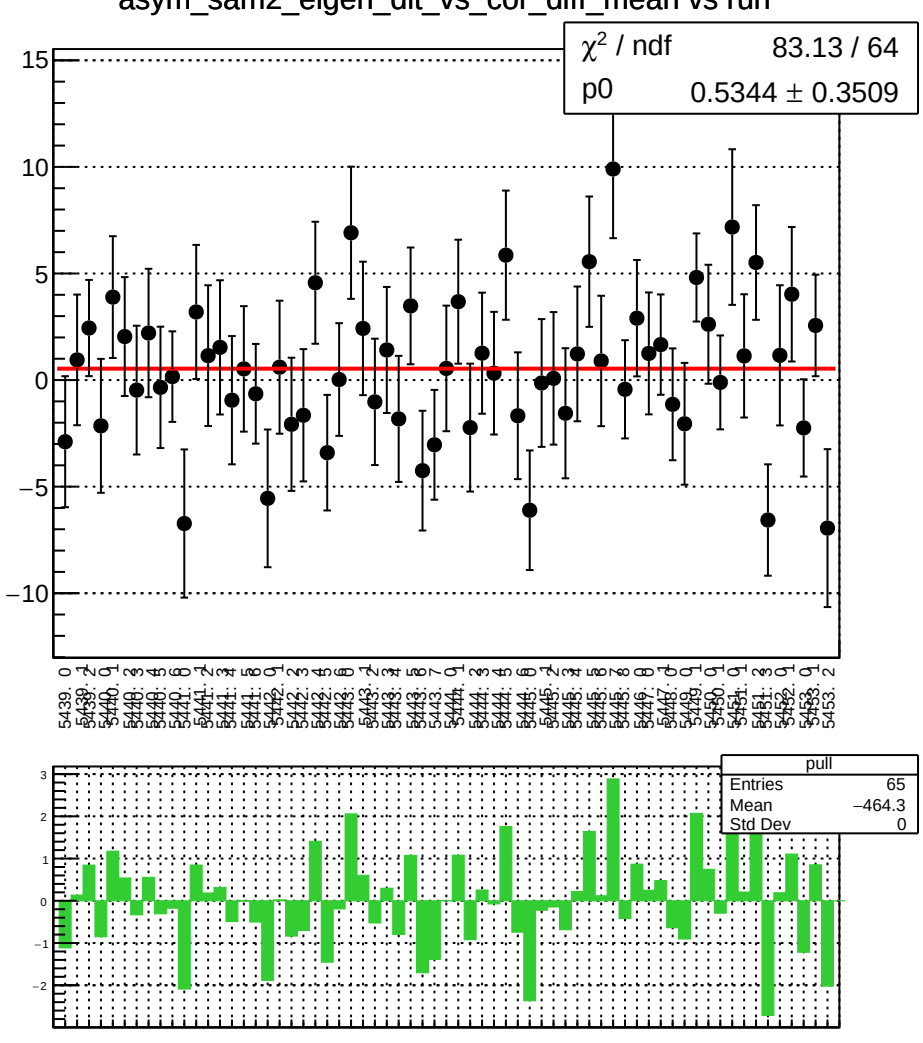

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.378e+04 / 64
p0 283.1 ± 0.2481
500
450
400
350
300
250
200

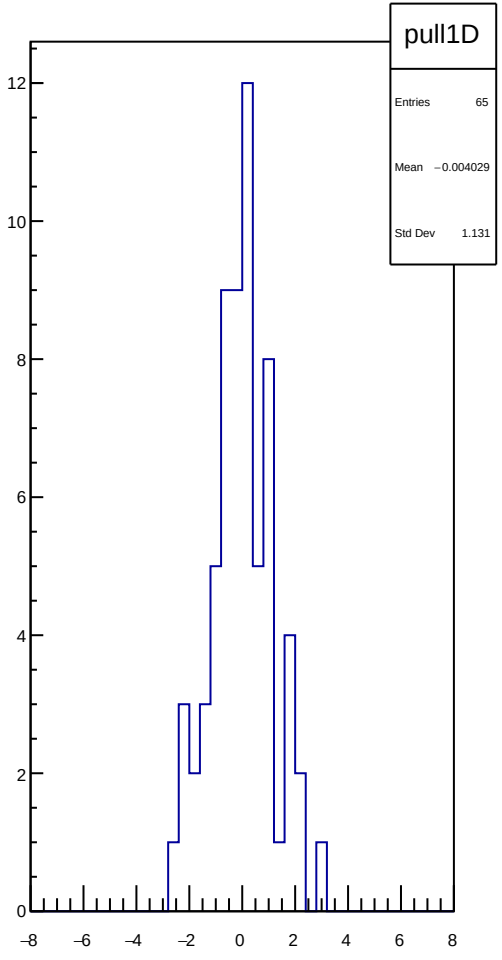

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.13 / 64
p0 0.5344 ± 0.3509
pull
Entries 65
Mean −464.6
Std Dev 0
pull1D
Entries 65
Mean −0.004027
Std Dev 1.131

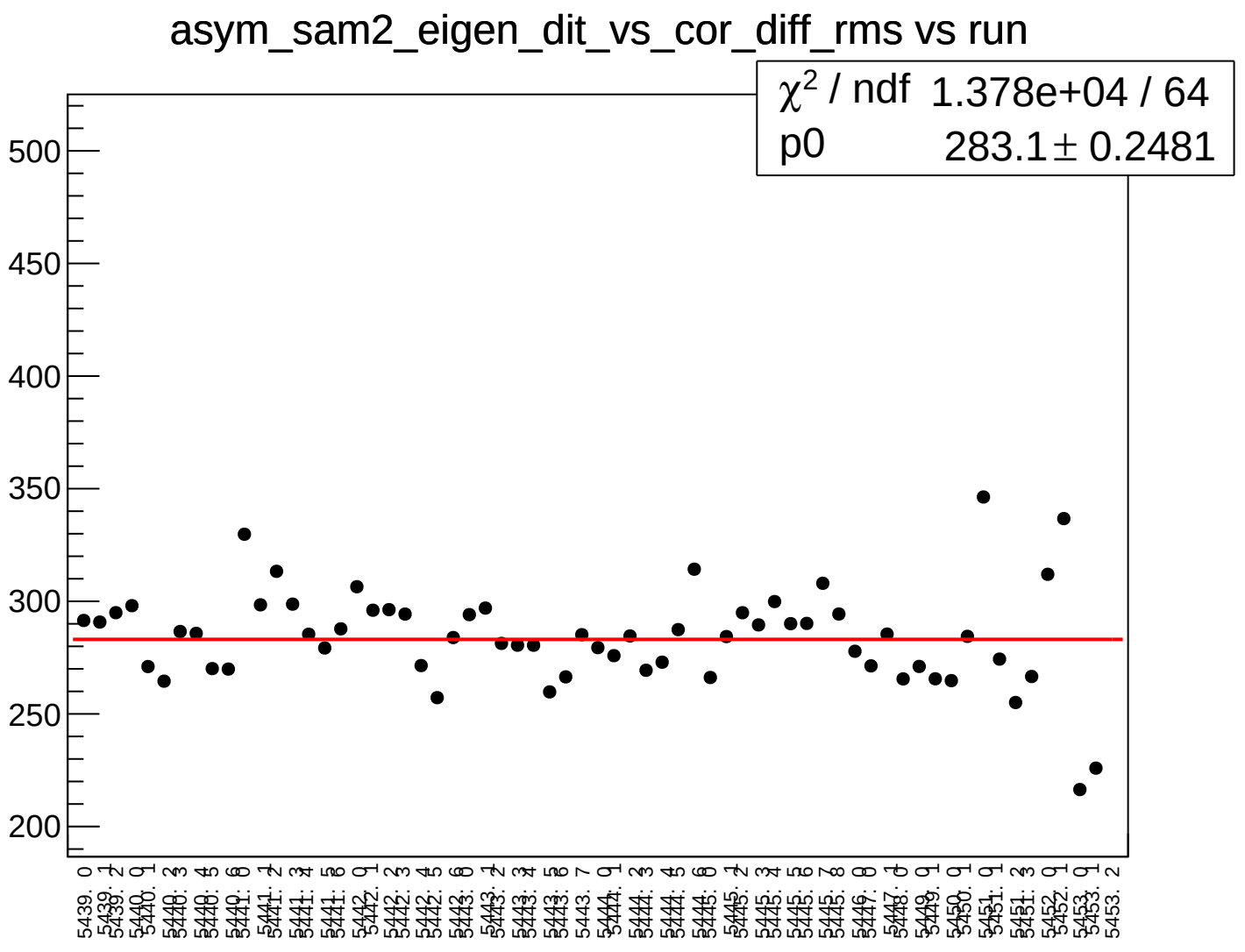

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.378e+04 / 64
p0 283.1 ± 0.2481
500
450
400
350
300
250
200

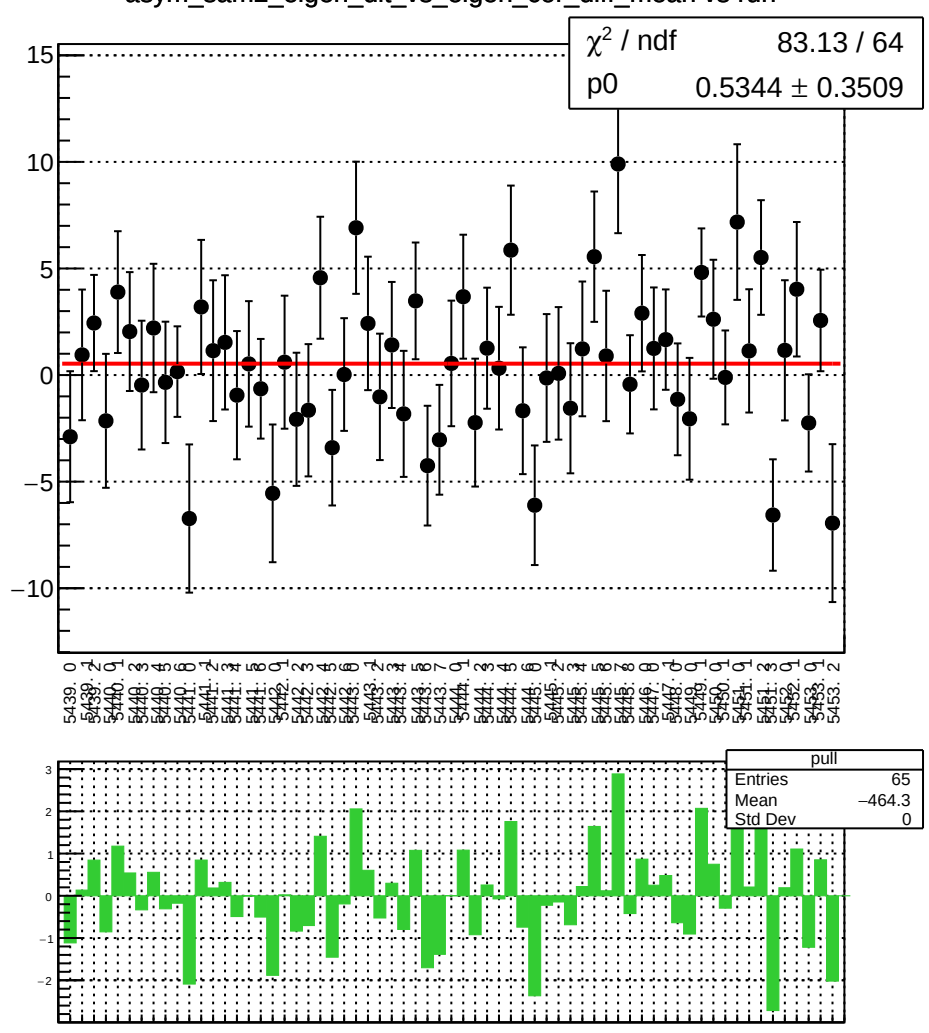

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.38 / 64
p0 −7.796e−06 ± 9.172e−06
pull
Entries 65
Mean 43.98
Std Dev 25.37
pull1D
Entries 65
Mean −0.02465
Std Dev 1.003

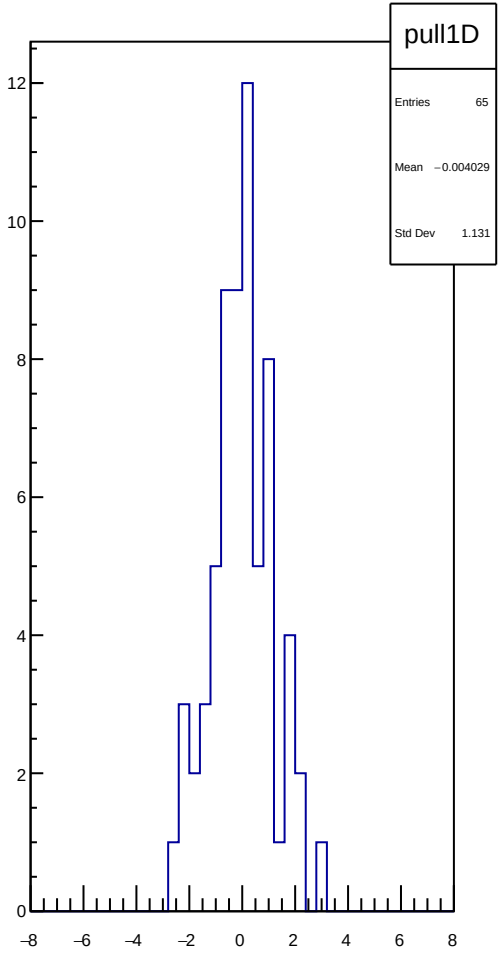

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.902e+04 / 64
p0 0.007356 ± 6.486e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

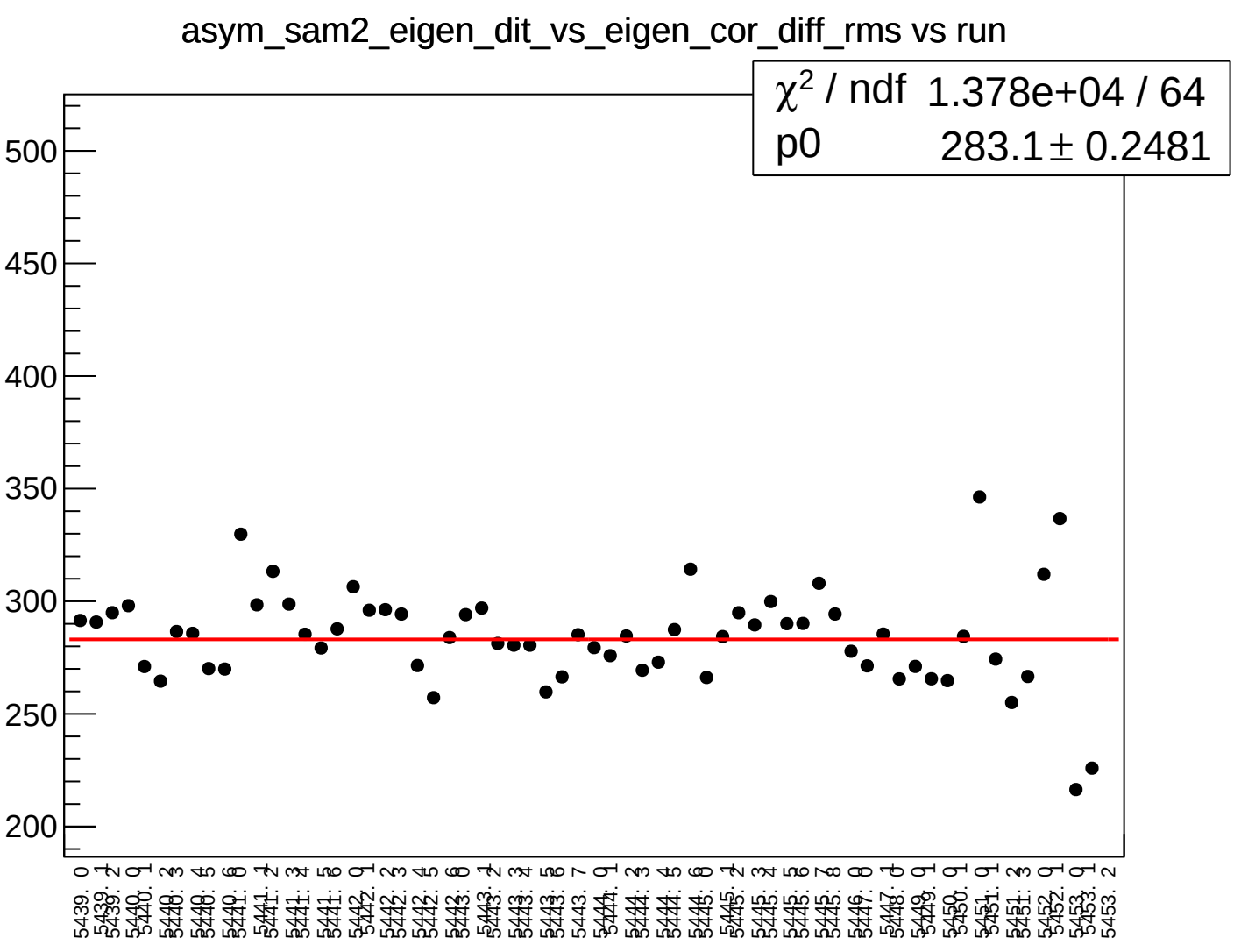

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.13 / 64
p0 0.5344 ± 0.3509
pull
Entries 65
Mean −464.3
Std Dev 0

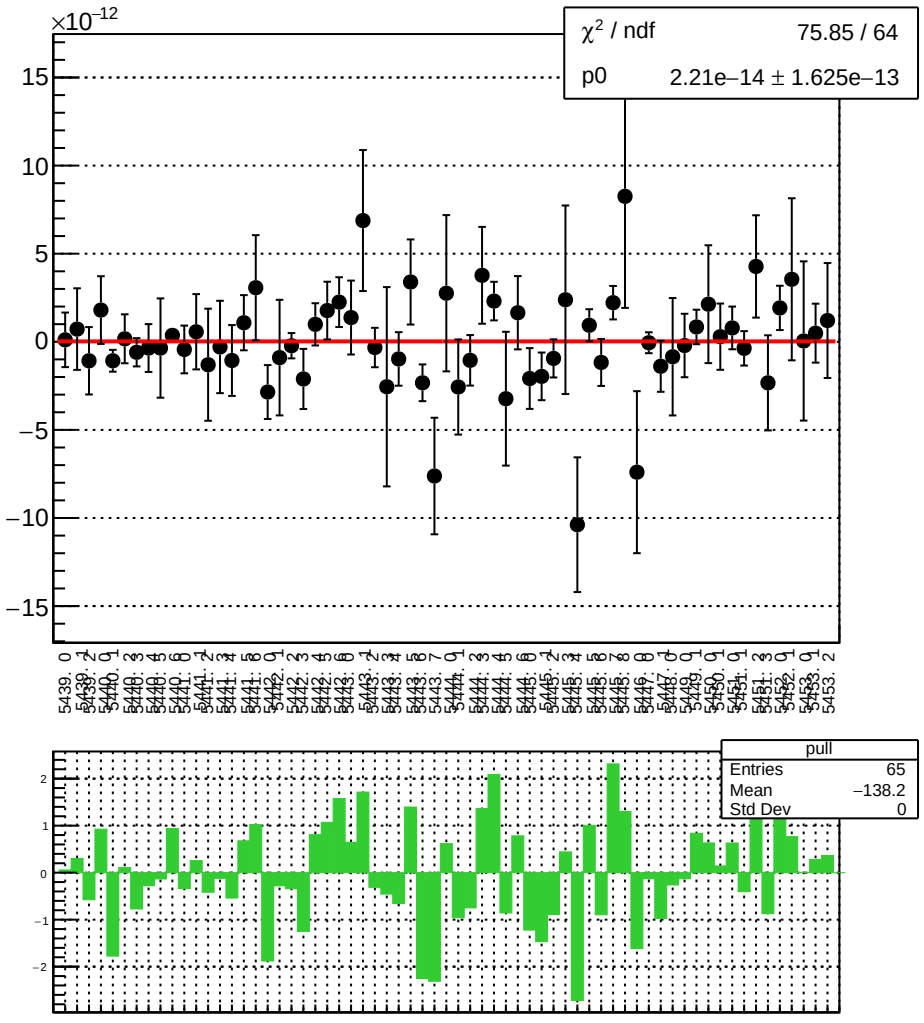

pull1D
Entries 65
Mean −0.004029
Std Dev 1.131

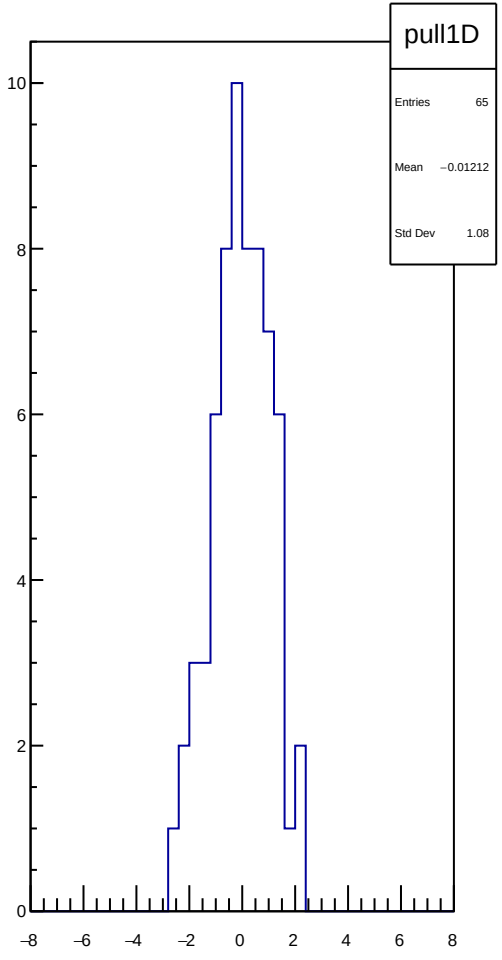

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.378e+04 / 64
p0 283.1 ± 0.2481
500
450
400
350
300
250
200

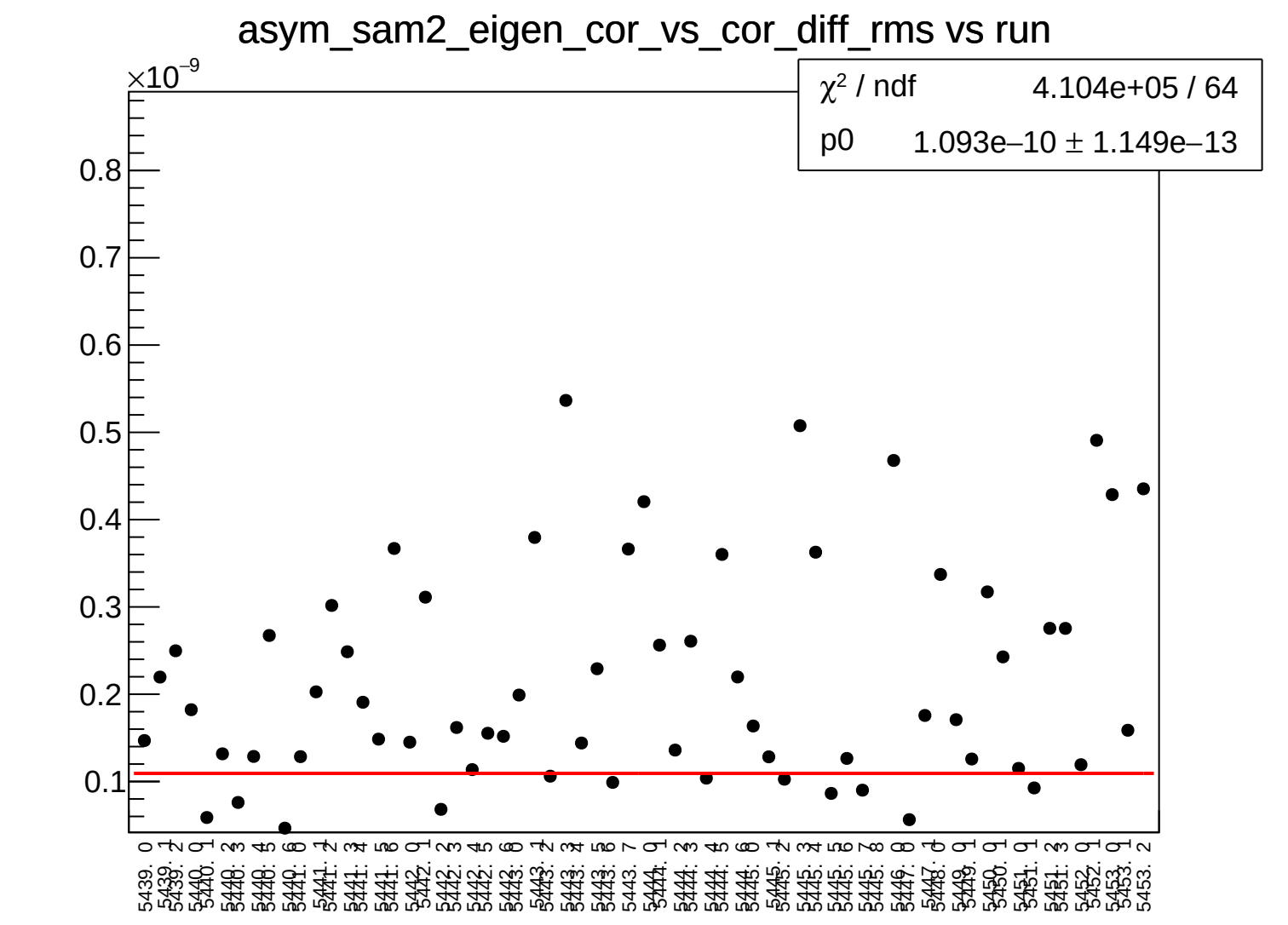

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.13 / 64
p0 0.5344 ± 0.3509
pull
Entries 65
Mean −464.3
Std Dev 0

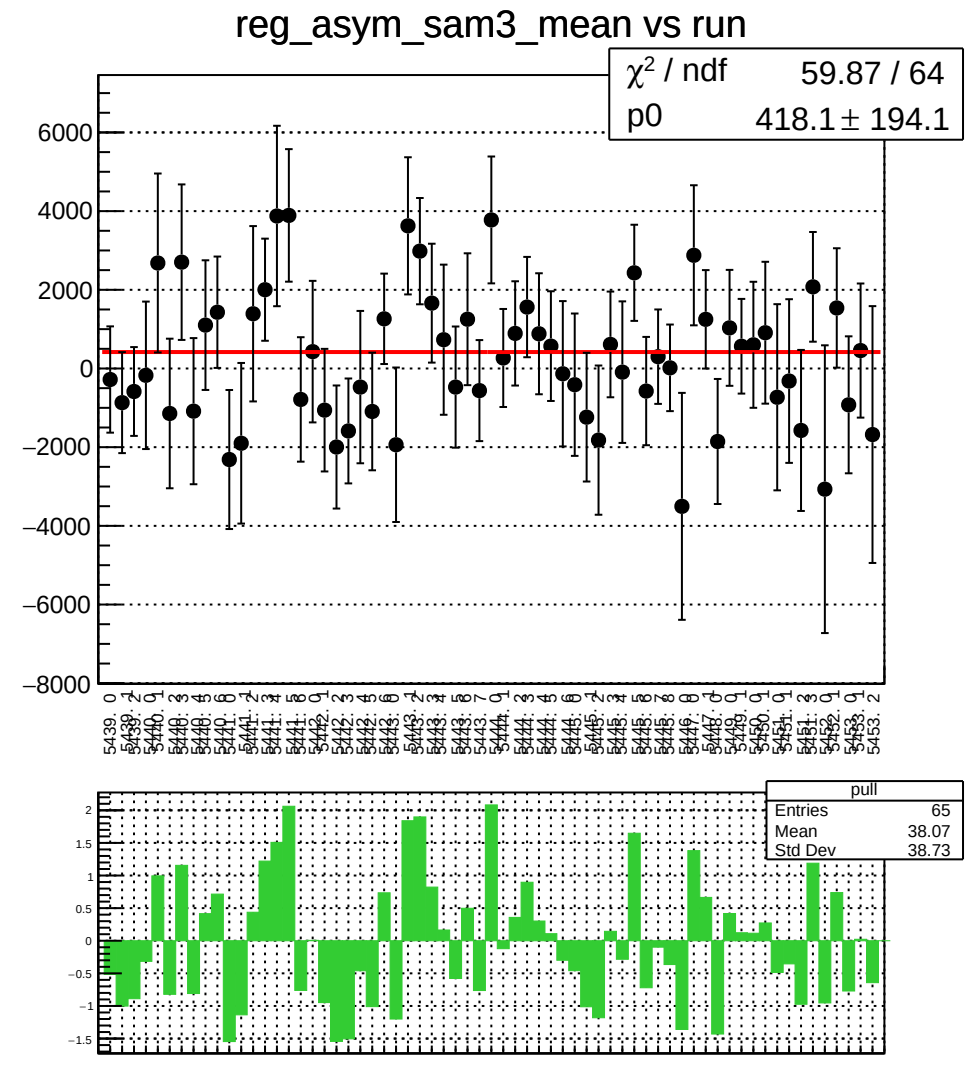

pull1D
Entries 65
Mean −0.004029
Std Dev 1.131

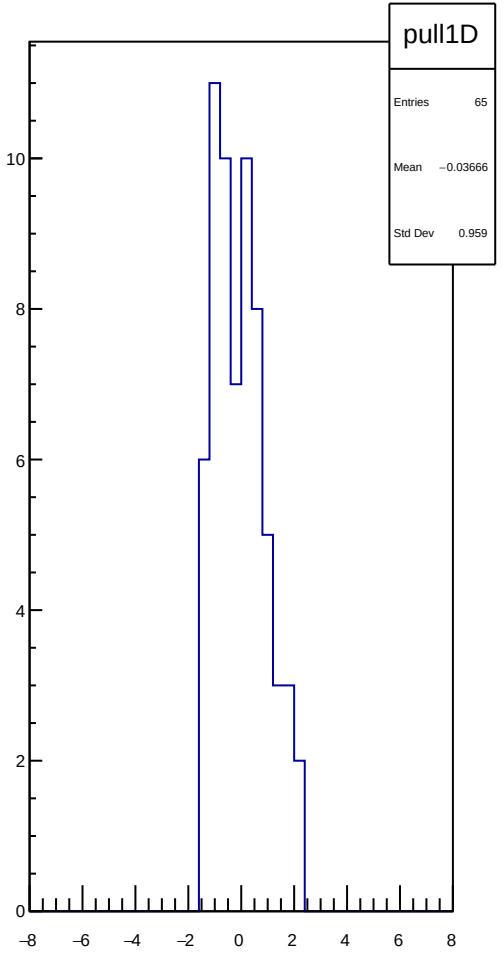

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.378e+04 / 64
p0 283.1 ± 0.2481
500
450
400
350
300
250
200

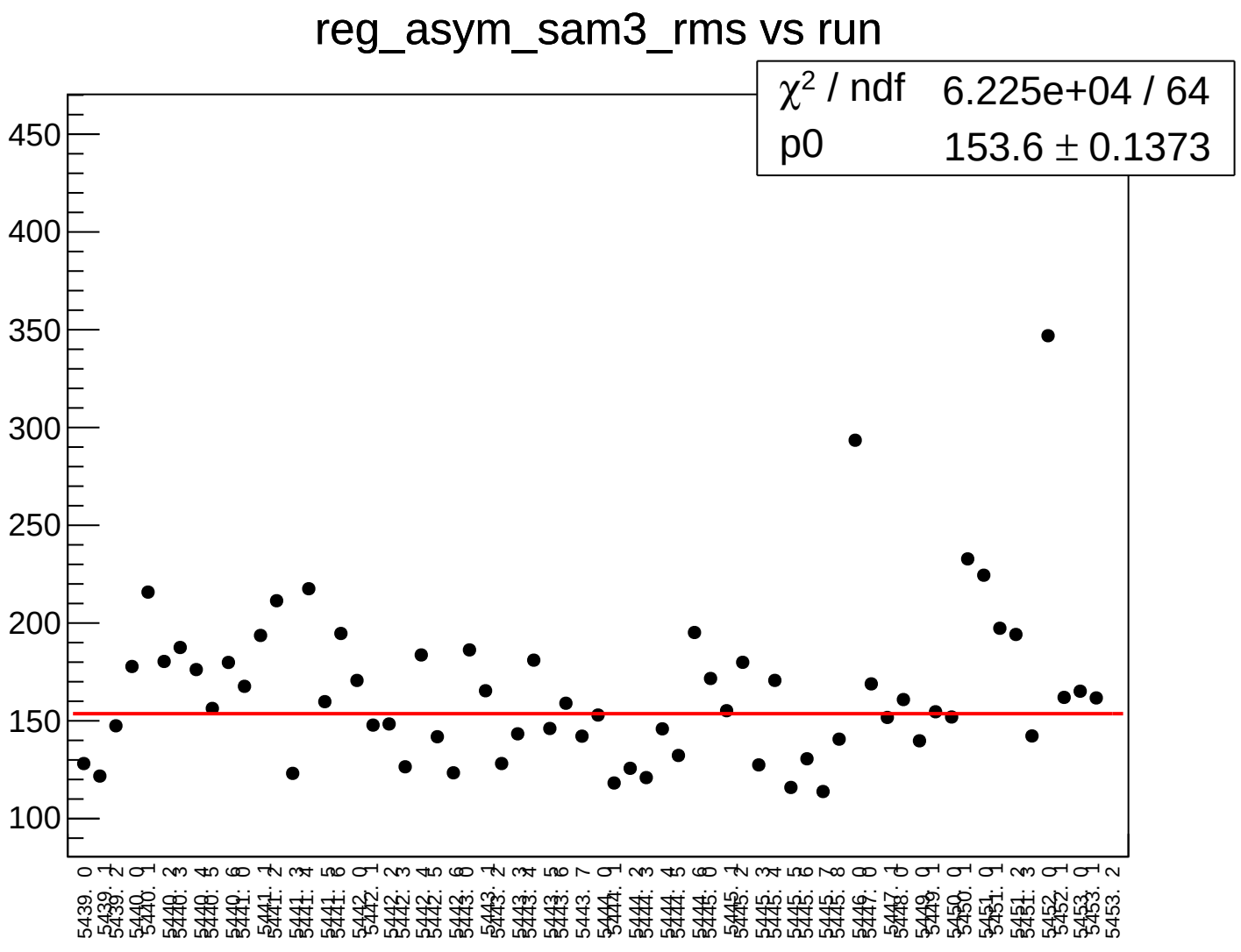

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.85 / 64
p0 2.21e−14 ± 1.625e−13
pull
Entries 65
Mean −138.2
Std Dev 0

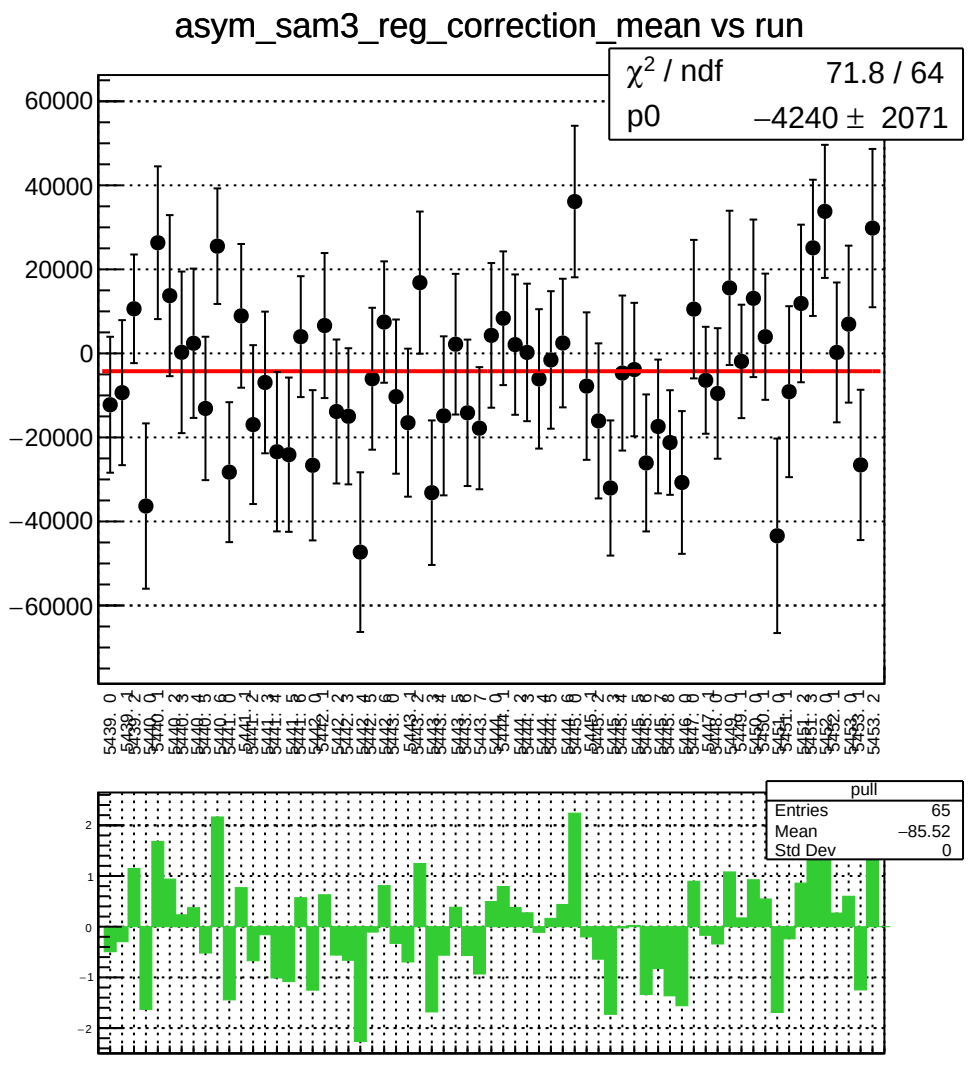

pull1D
Entries 65
Mean −0.01212
Std Dev 1.08

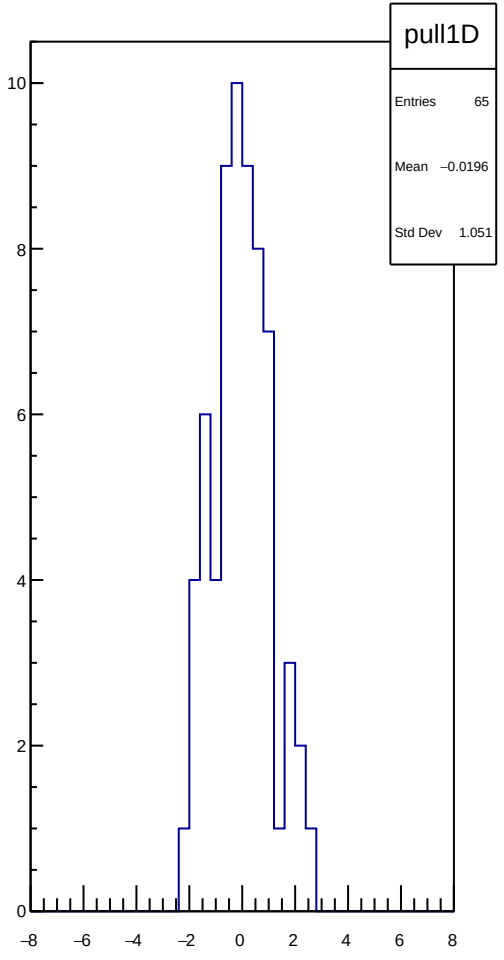

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.104e+05 / 64
p0 1.093e−10 ± 1.149e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

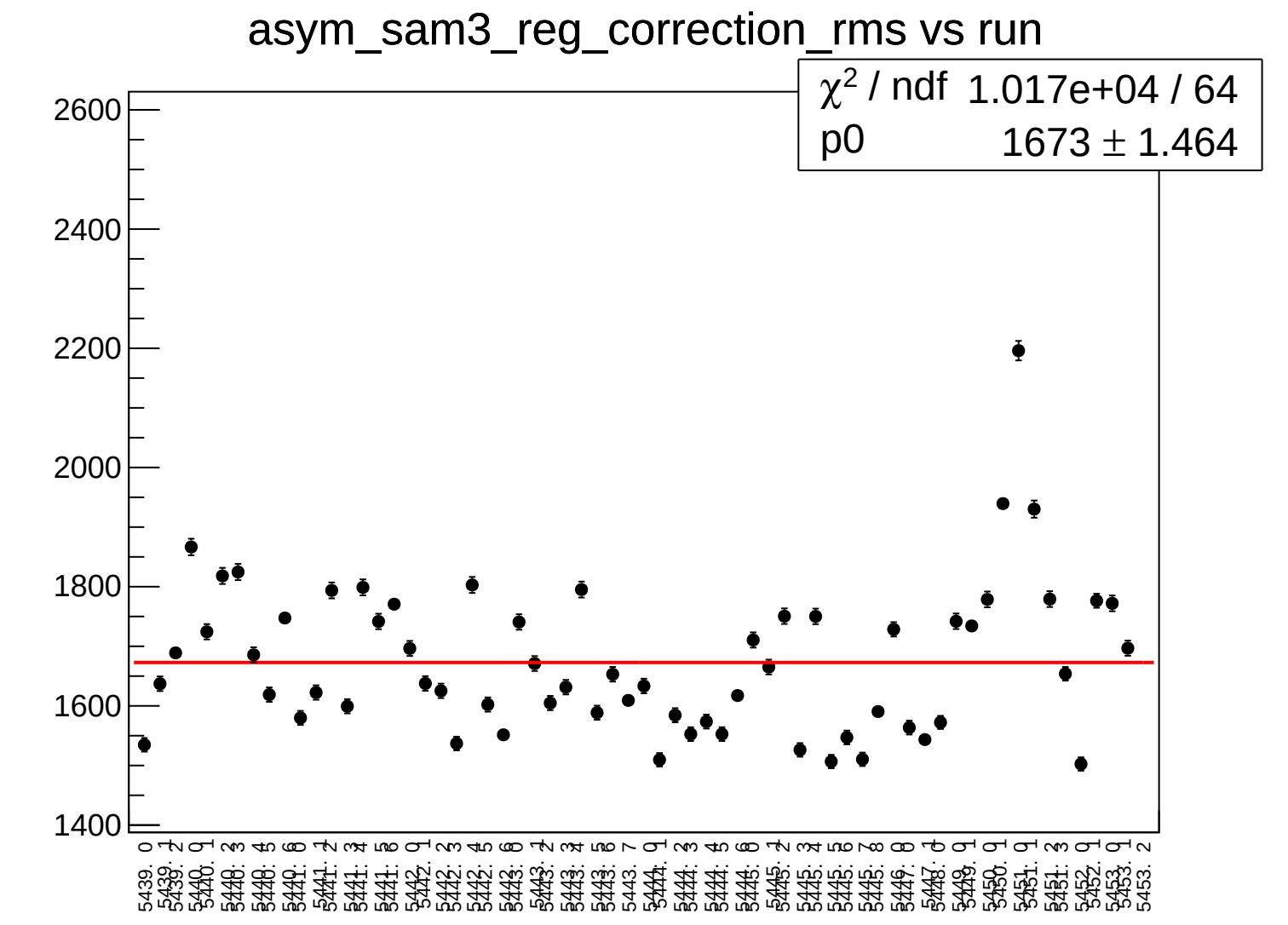

reg_asym_sam3_mean vs run
χ² / ndf 59.87 / 64
p0 418.1 ± 194.1
pull
Entries 65
Mean 38.07
Std Dev 38.73

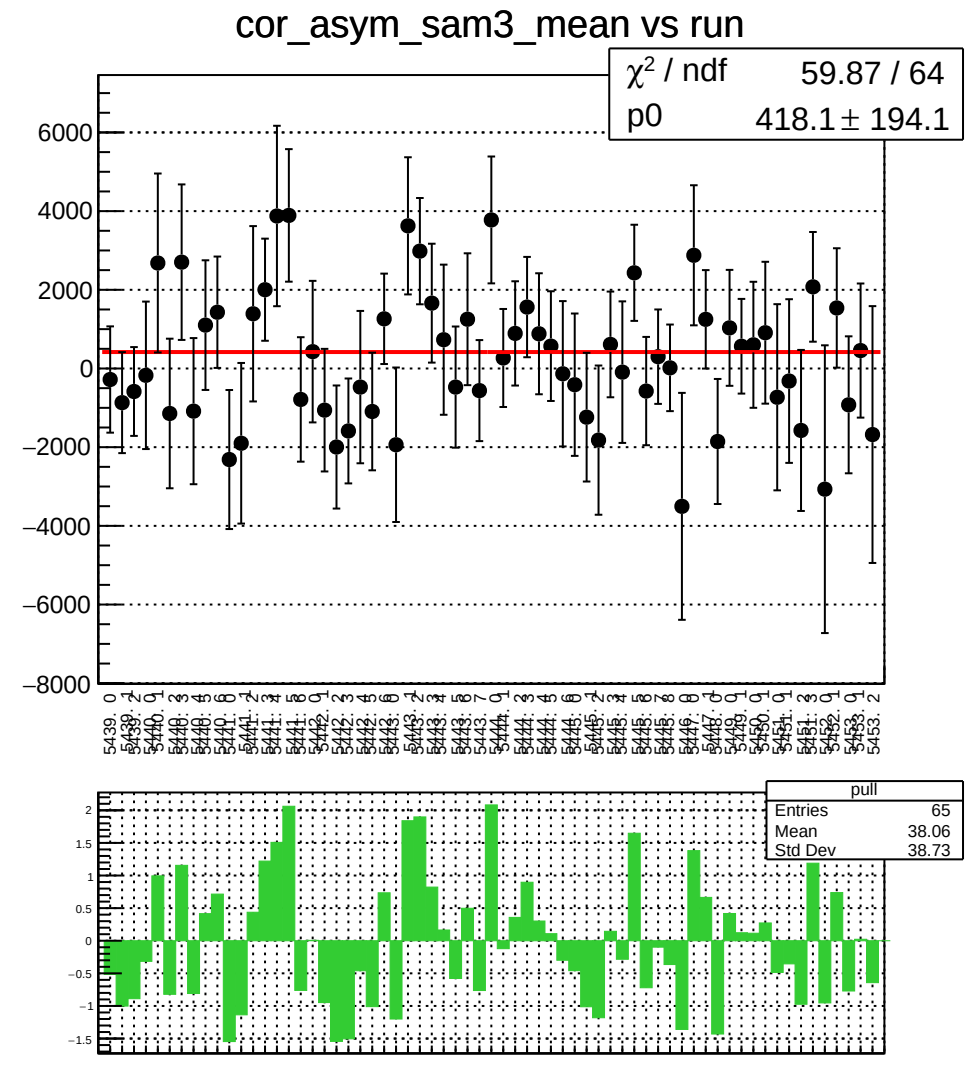

pull1D
Entries 65
Mean −0.03666
Std Dev 0.959

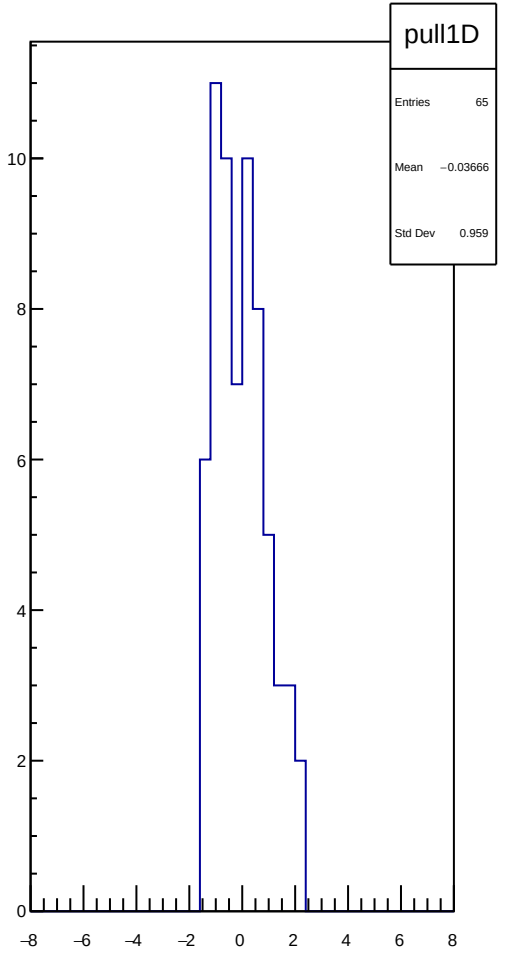

reg_asym_sam3_rms vs run
χ² / ndf 6.225e+04 / 64
p0 153.6 ± 0.1373
450
400
350
300
250
200
150
100

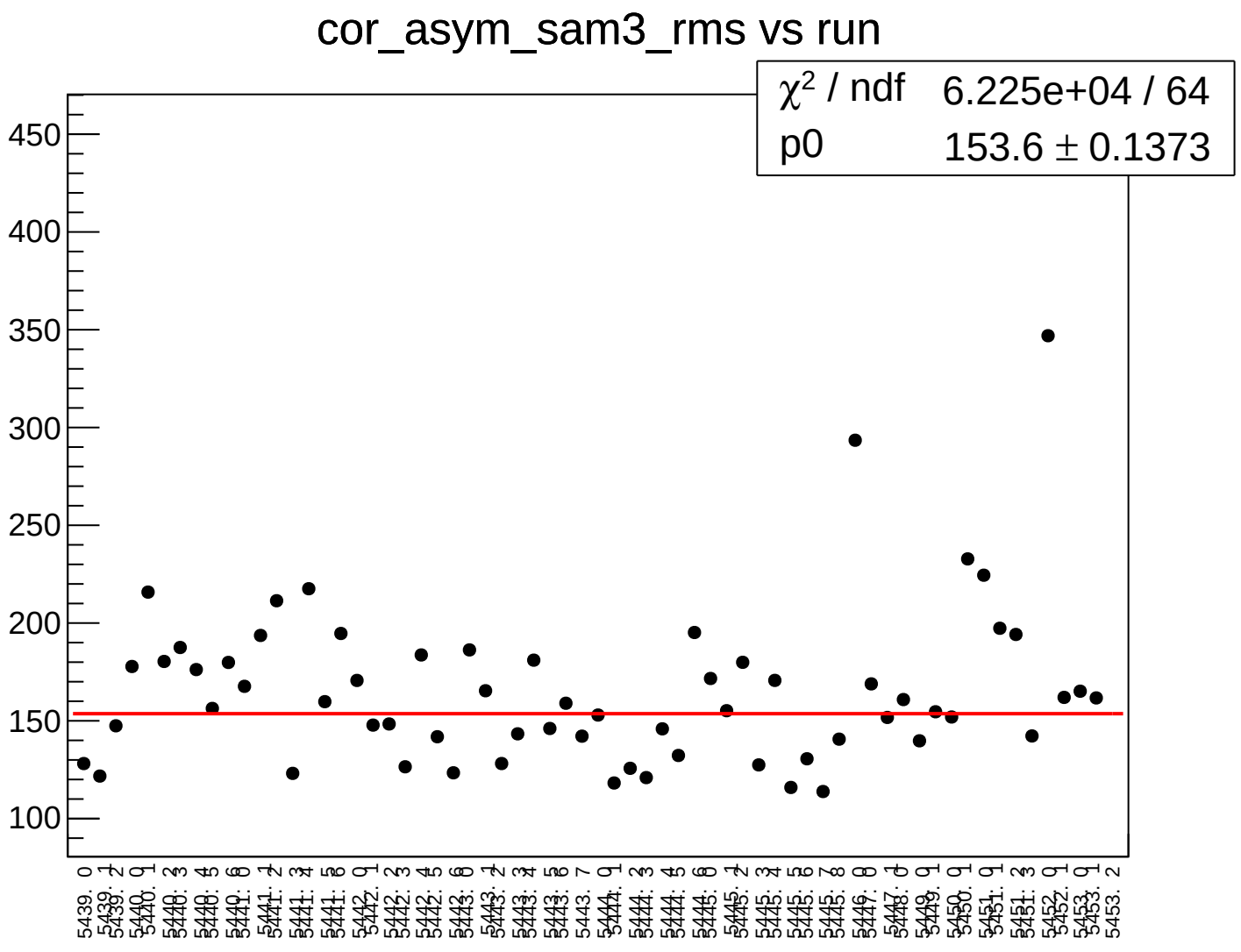

asym_sam3_reg_correction_mean vs run
χ² / ndf 71.8 / 64
p0 −4240 ± 2071
pull
Entries 65
Mean −85.52
Std Dev 0

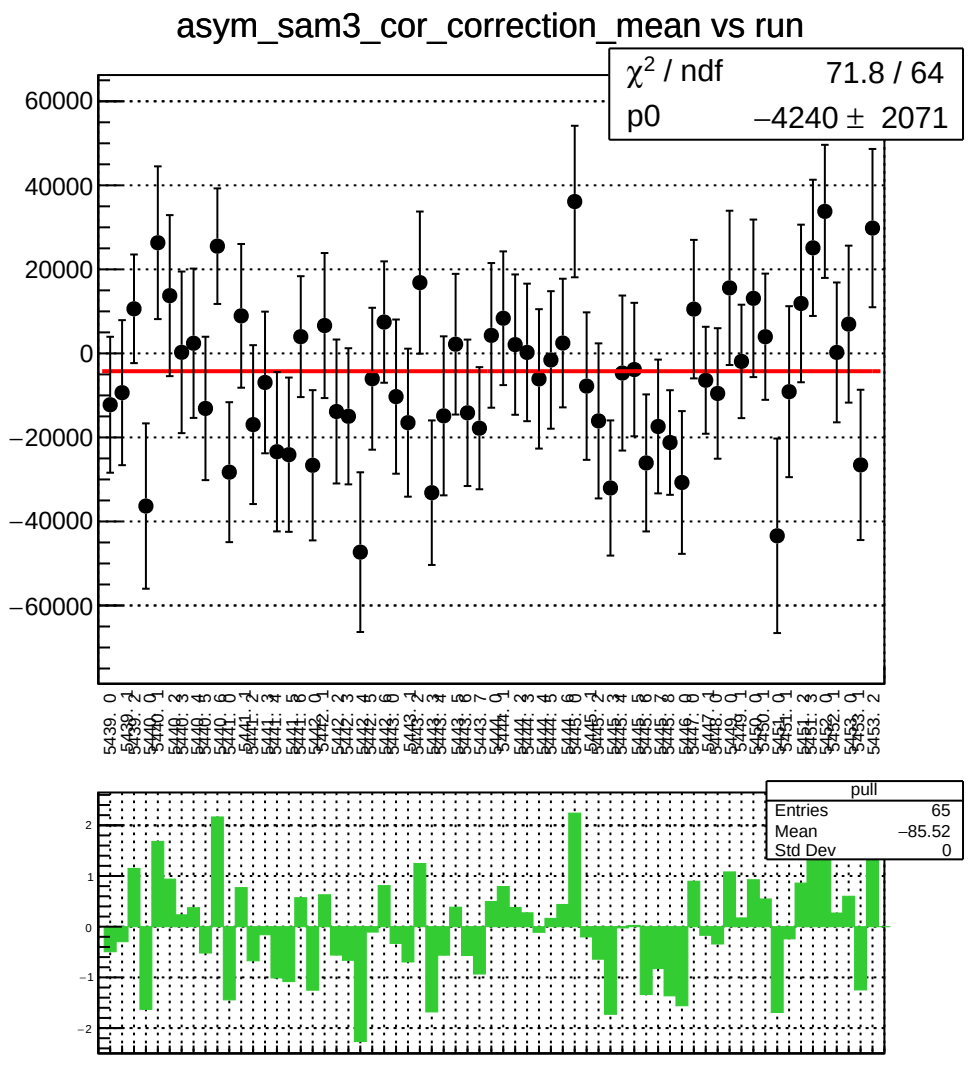

pull1D
Entries 65
Mean −0.0196
Std Dev 1.051

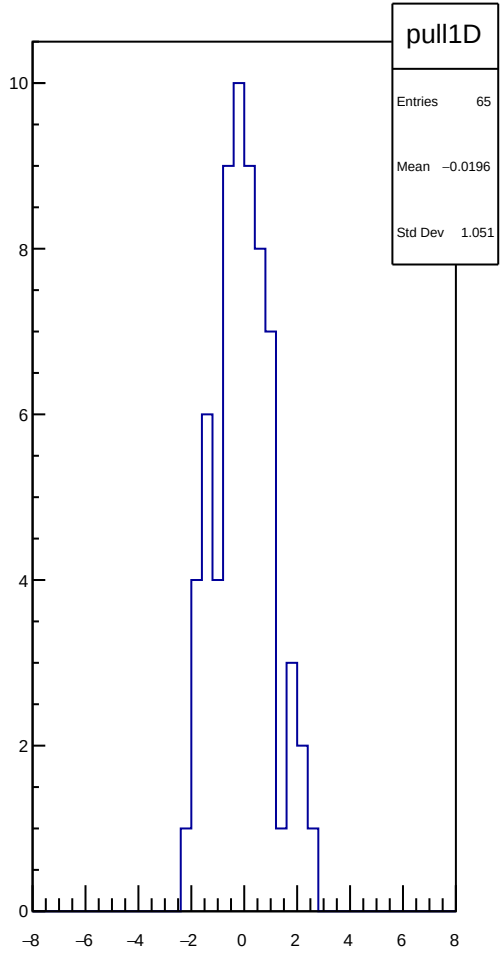

asym_sam3_reg_correction_rms vs run
χ² / ndf 1.017e+04 / 64
p0 1673 ± 1.464
2600
2400
2200
2000
1800
1600
1400

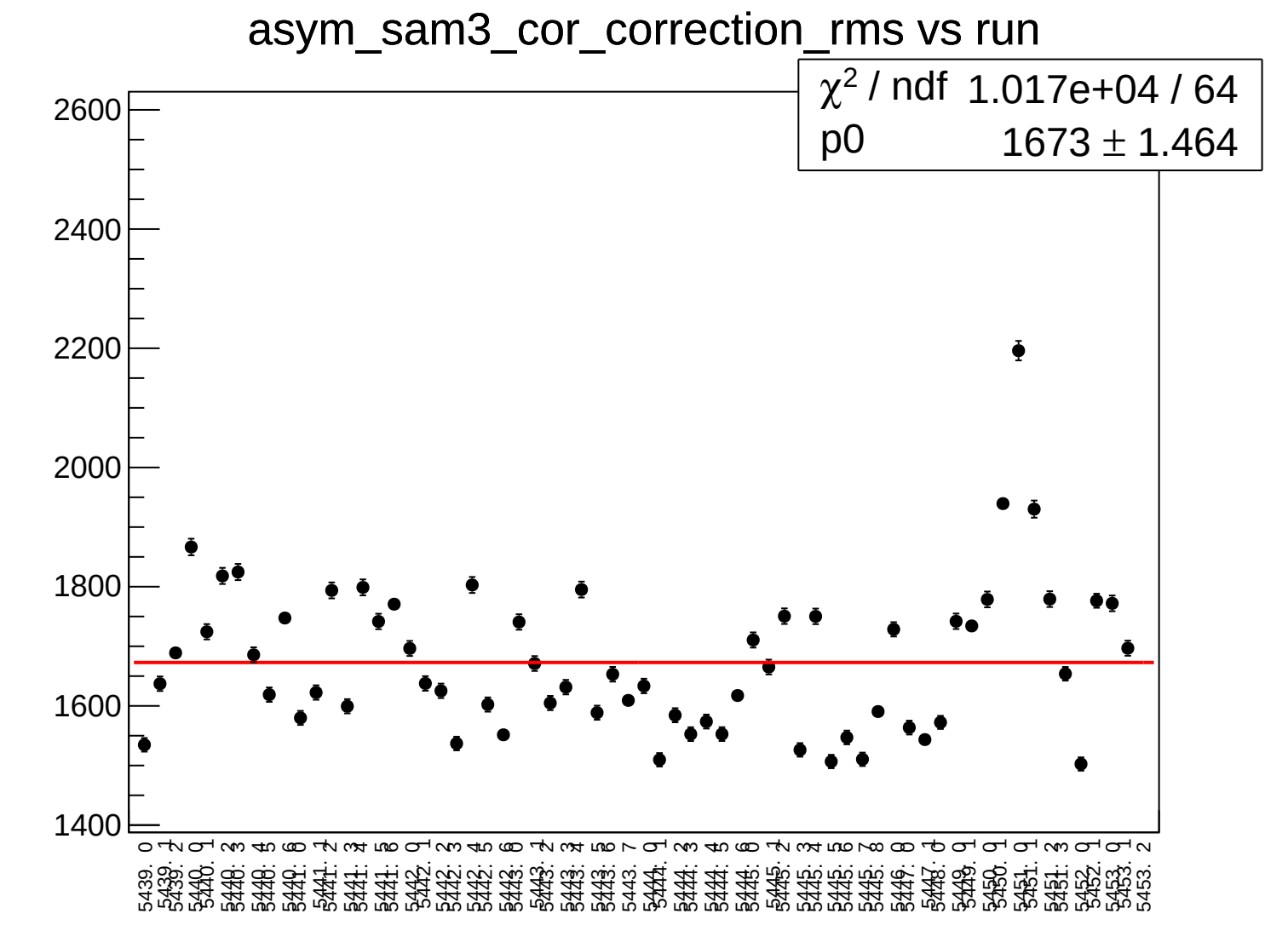

cor_asym_sam3_mean vs run
χ² / ndf 59.87 / 64
p0 418.1 ± 194.1
pull
Entries 65
Mean 38.06
Std Dev 38.73

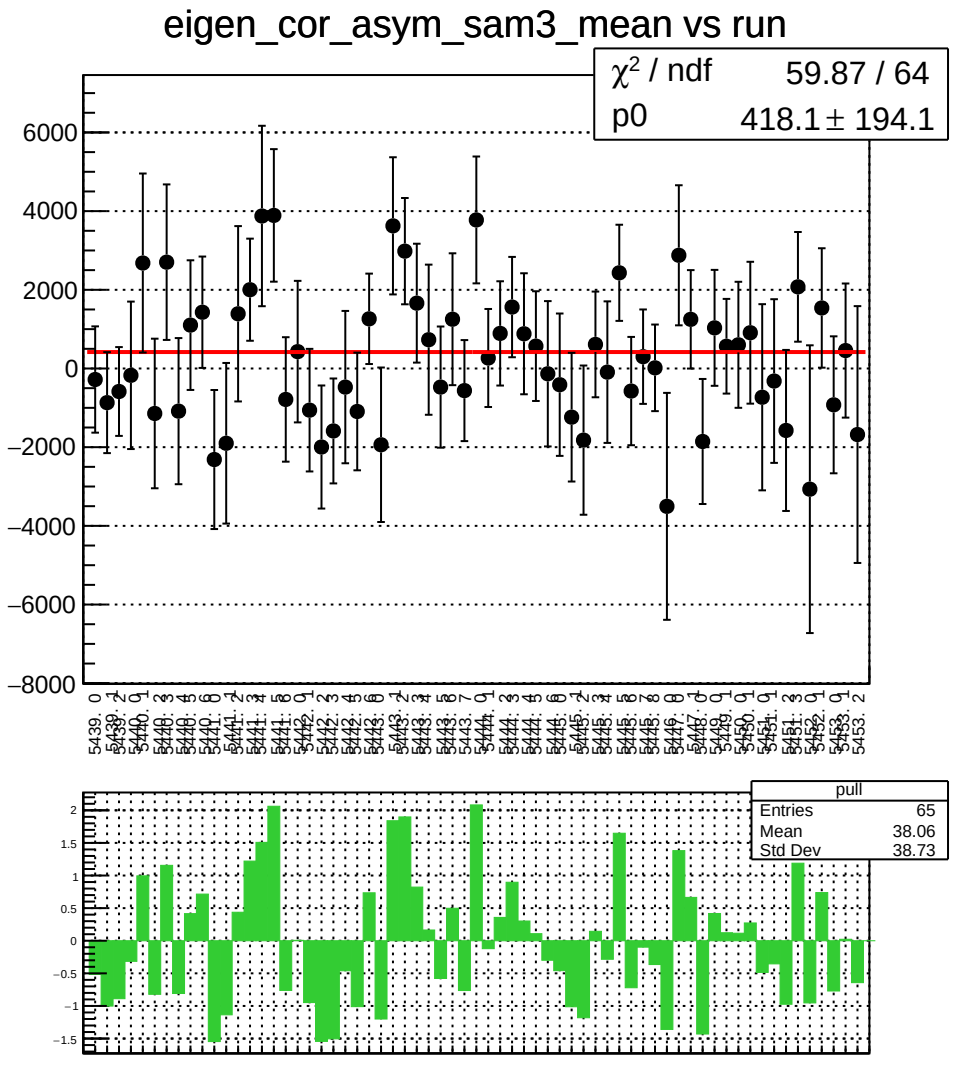

pull1D
Entries 65
Mean −0.03666
Std Dev 0.959

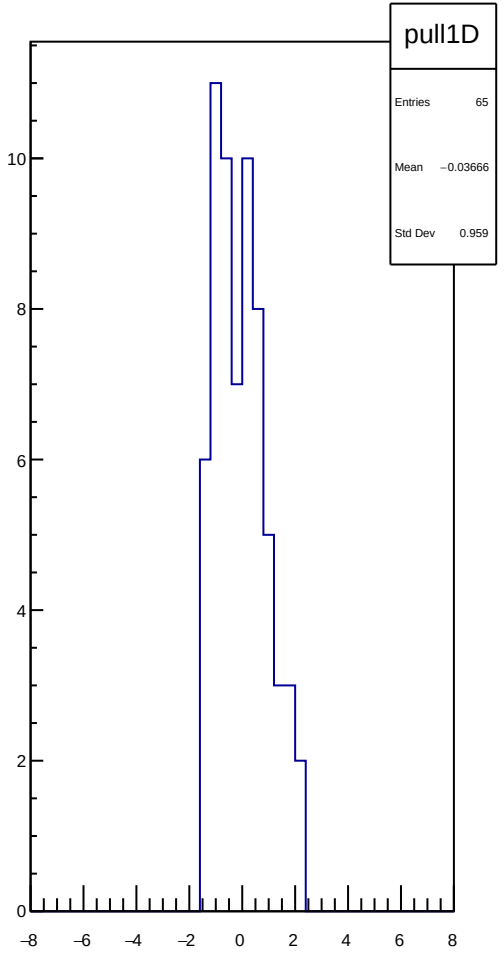

cor_asym_sam3_rms vs run
χ^2 / ndf 6.225e+04 / 64
p0 153.6 ± 0.1373
450
400
350
300
250
200
150
100

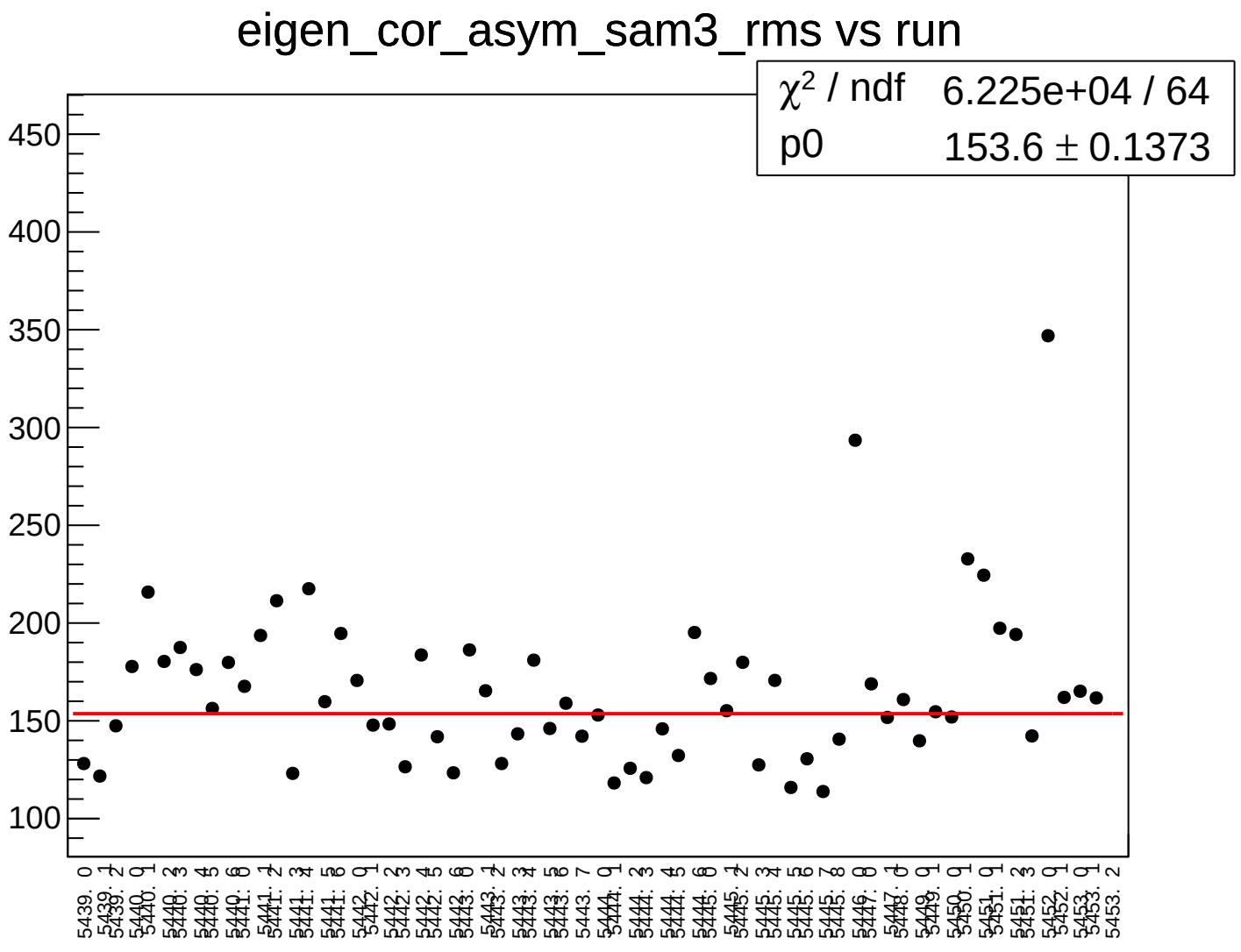

asym_sam3_cor_correction_mean vs run
χ² / ndf 71.8 / 64
p0 −4240 ± 2071
pull
Entries 65
Mean −85.52
Std Dev 0

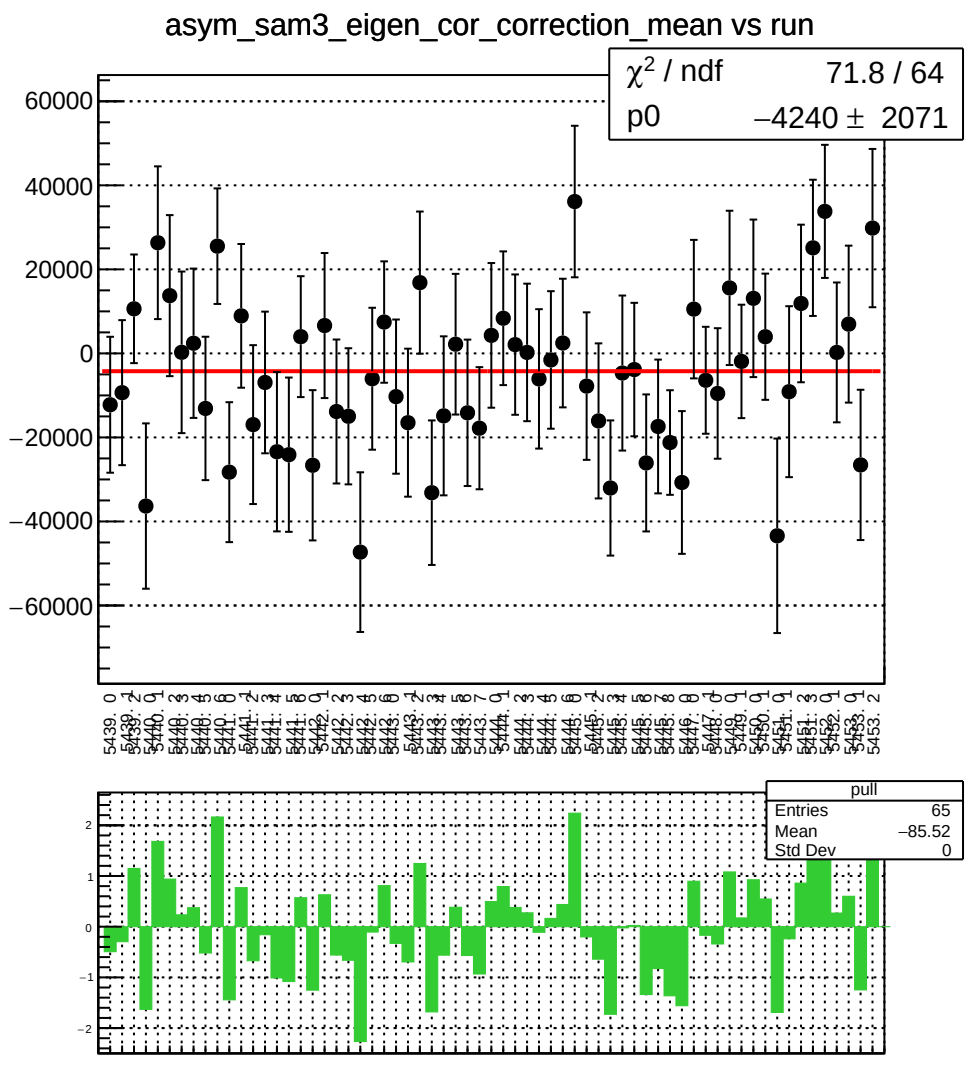

pull1D
Entries 65
Mean −0.0196
Std Dev 1.051

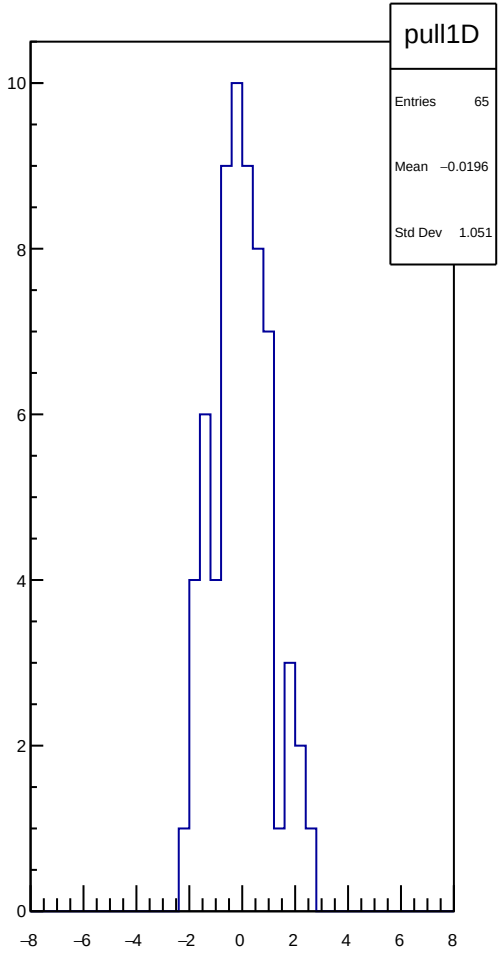

asym_sam3_cor_correction_rms vs run
χ² / ndf 1.017e+04 / 64
p0 1673 ± 1.464
2600
2400
2200
2000
1800
1600
1400

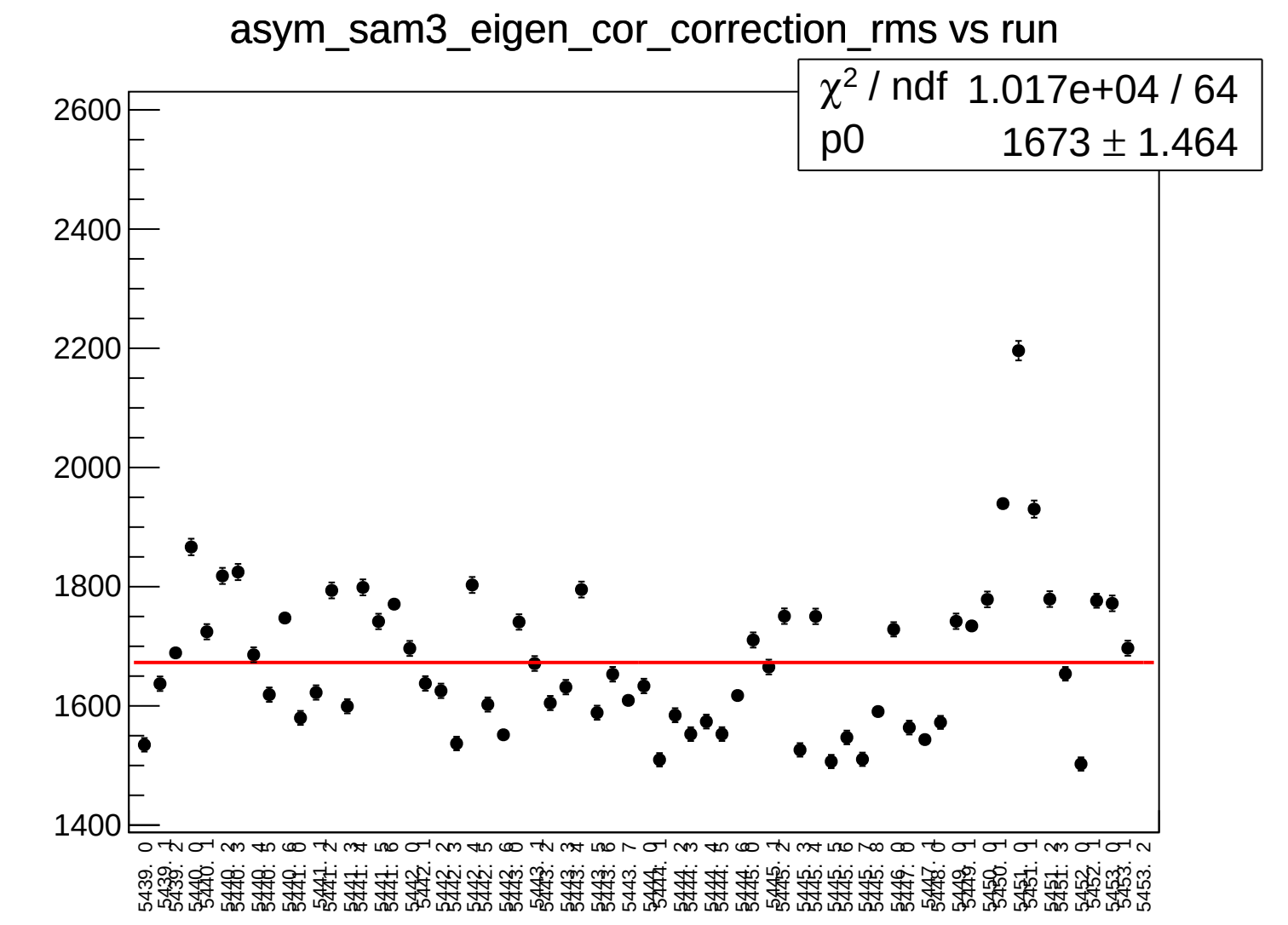

eigen_cor_asym_sam3_mean vs run
χ² / ndf 59.87 / 64
p0 418.1 ± 194.1
pull
Entries 65
Mean 38.06
Std Dev 38.73

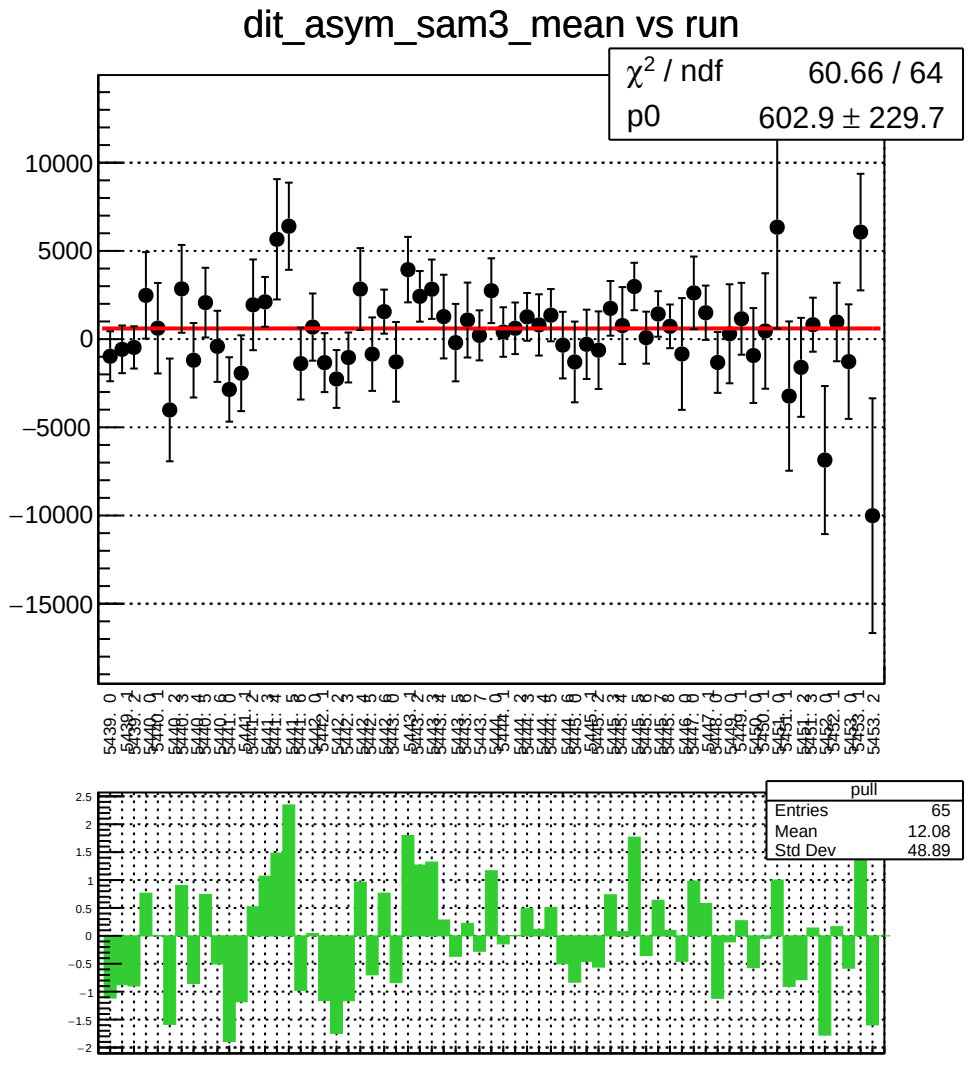

pull1D
Entries 65
Mean −0.03666
Std Dev 0.959

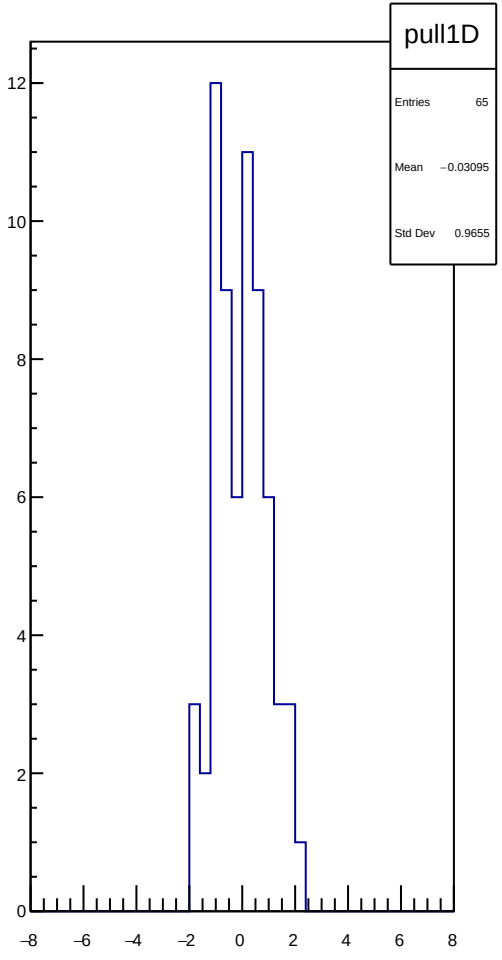

eigen_cor_asym_sam3_rms vs run
χ² / ndf 6.225e+04 / 64
p0 153.6 ± 0.1373
450
400
350
300
250
200
150
100

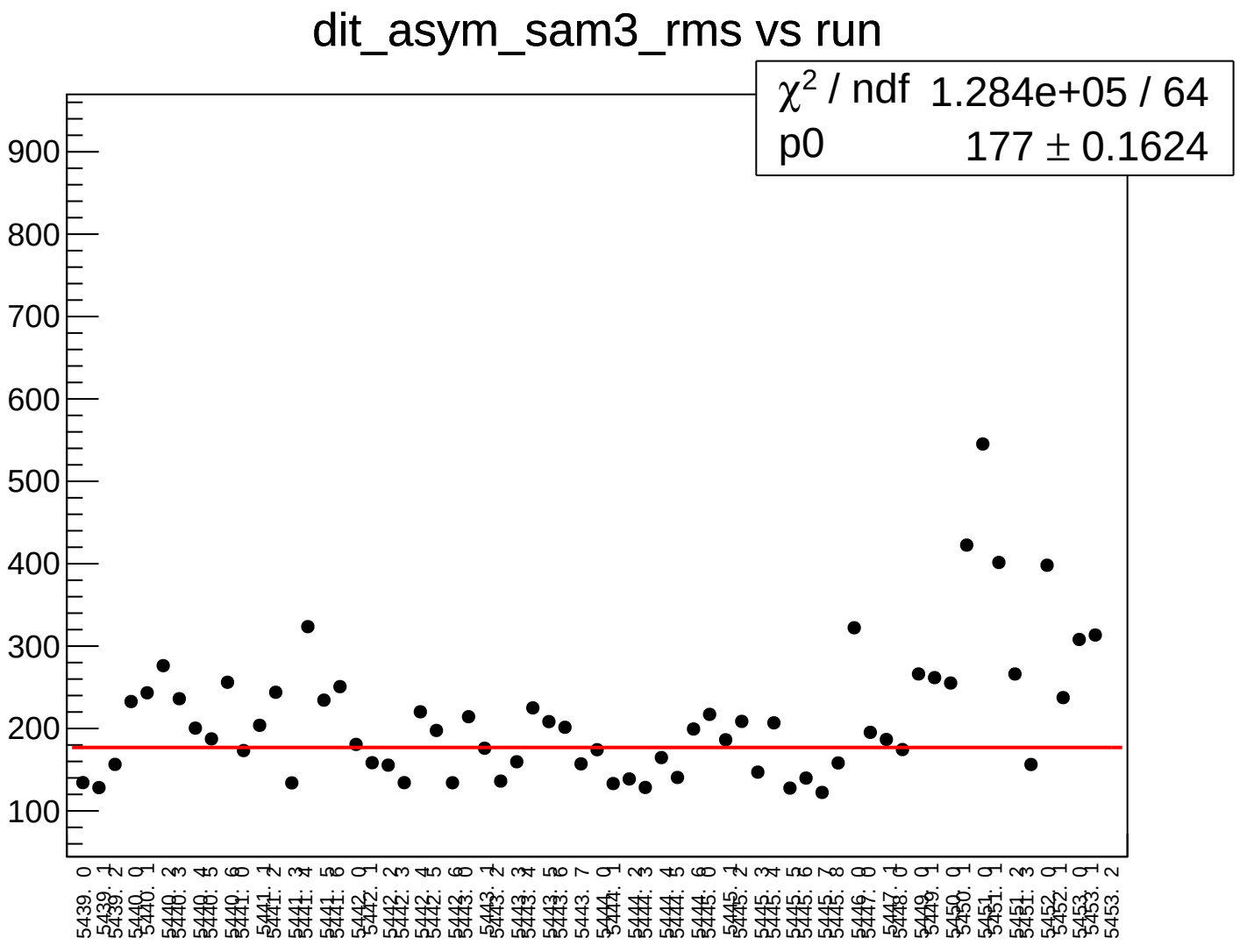

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 71.8 / 64
p0 −4240 ± 2071
pull
Entries 65
Mean −85.52
Std Dev 0

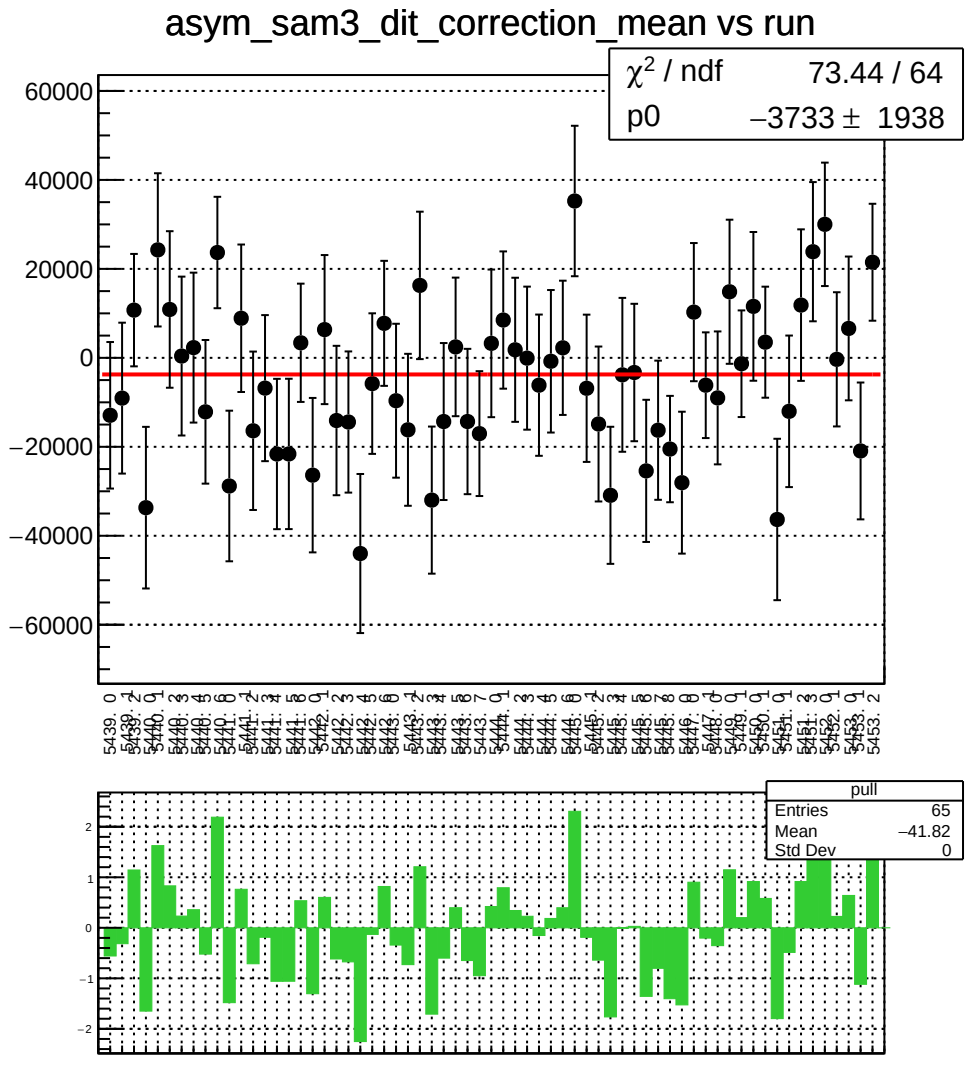

pull1D
Entries 65
Mean −0.0196
Std Dev 1.051

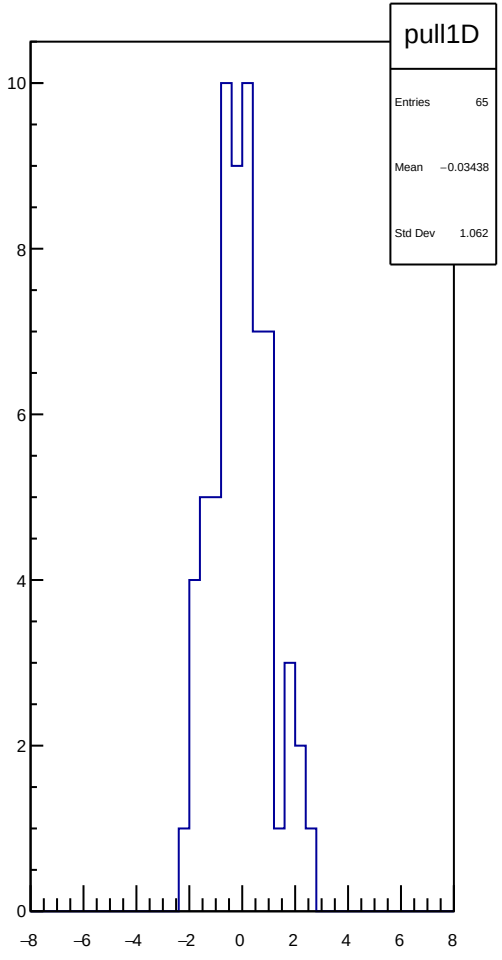

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 1.017e+04 / 64
p0 1673 ± 1.464
2600
2400
2200
2000
1800
1600
1400

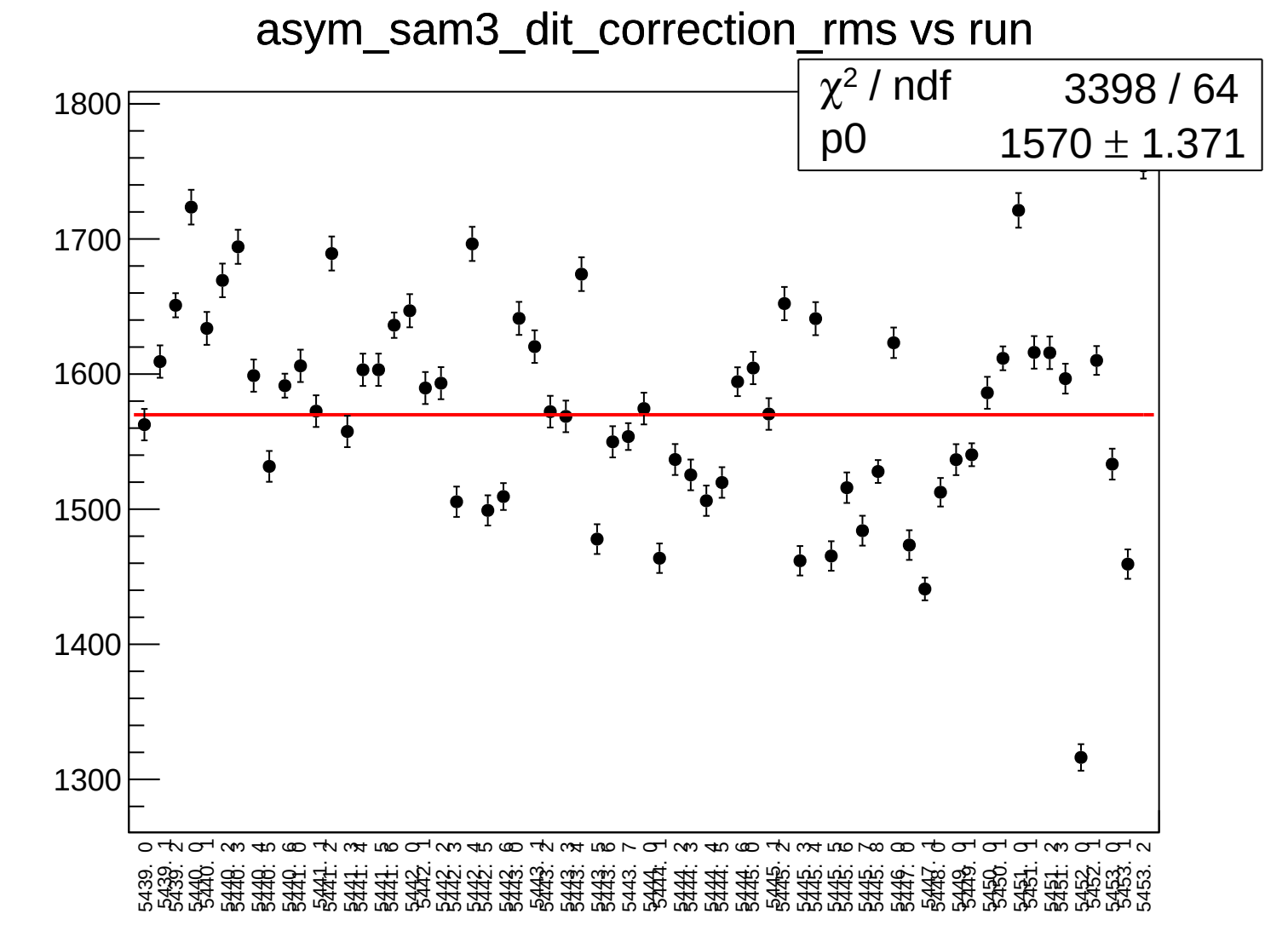

dit_asym_sam3_mean vs run
χ² / ndf 60.66 / 64
p0 602.9 ± 229.7
pull
Entries 65
Mean 12.08
Std Dev 48.89

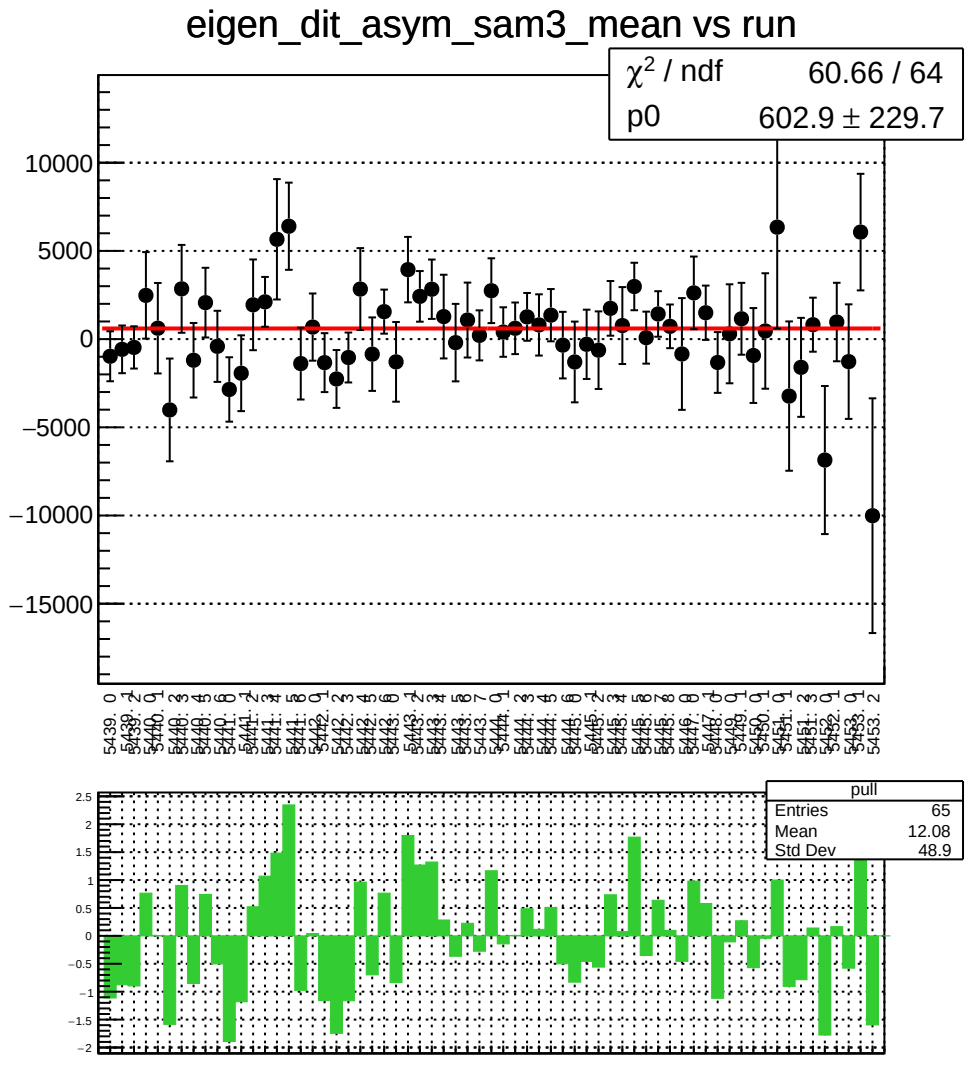

pull1D
Entries 65
Mean −0.03095
Std Dev 0.9655

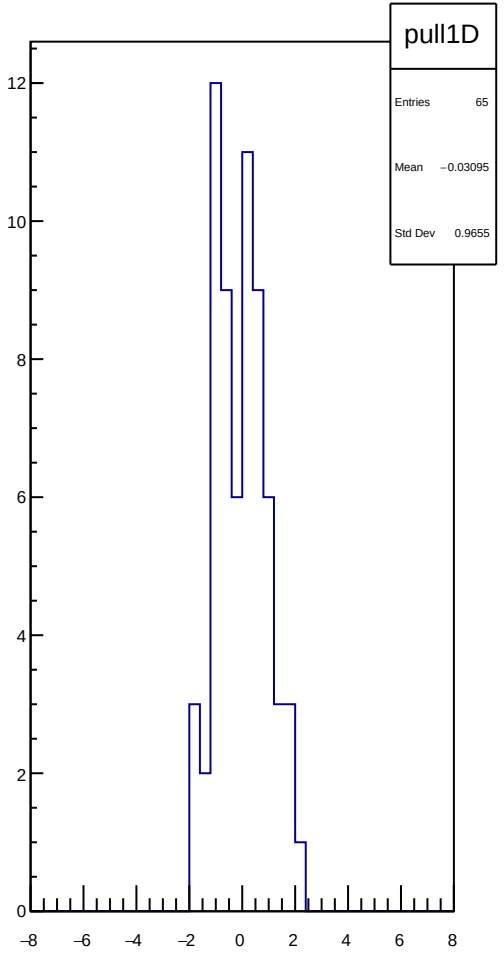

dit_asym_sam3_rms vs run
χ² / ndf 1.284e+05 / 64
p0 177 ± 0.1624
900
800
700
600
500
400
300
200
100

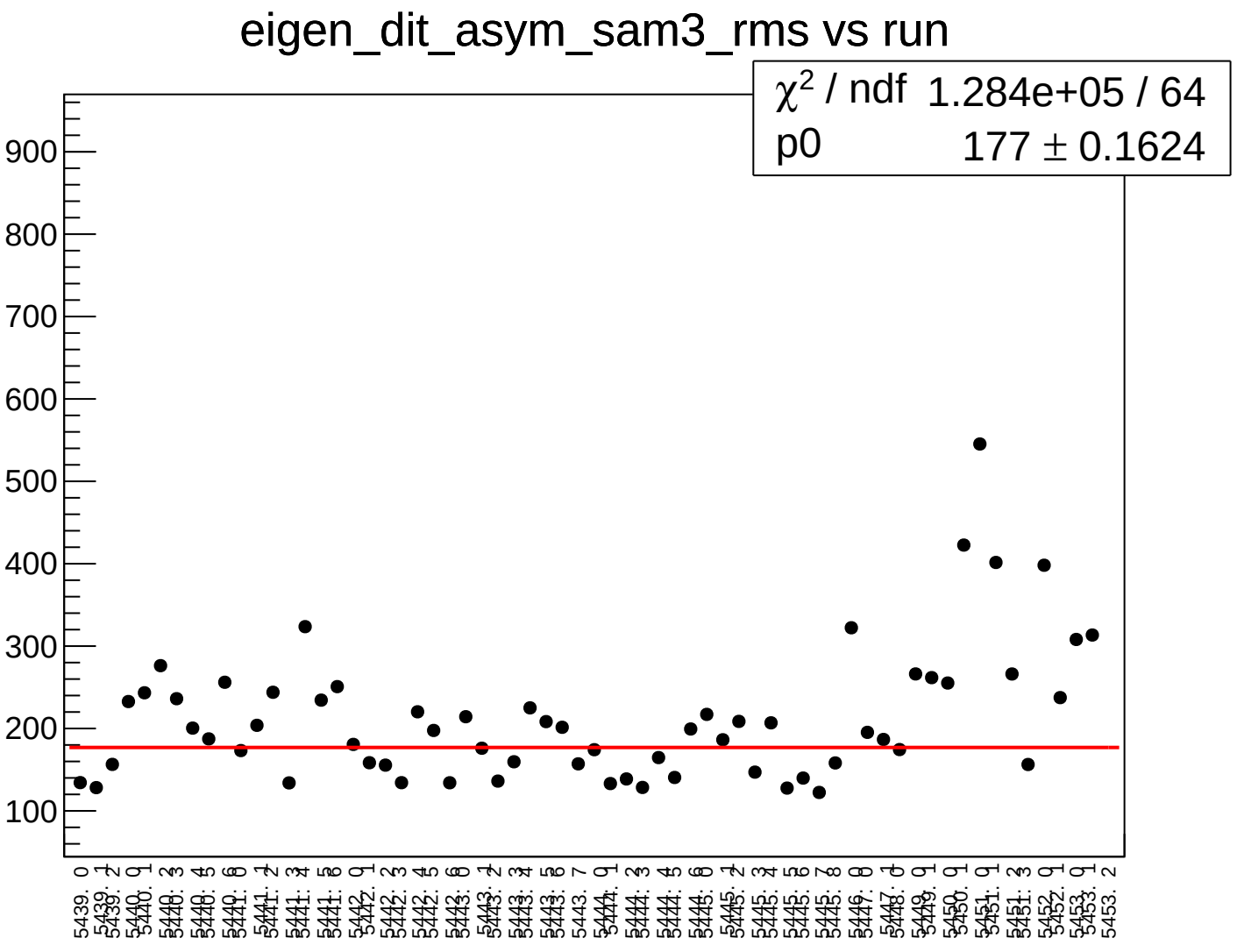

asym_sam3_dit_correction_mean vs run
χ² / ndf 73.44 / 64
p0 −3733 ± 1938
pull
Entries 65
Mean −41.82
Std Dev 0

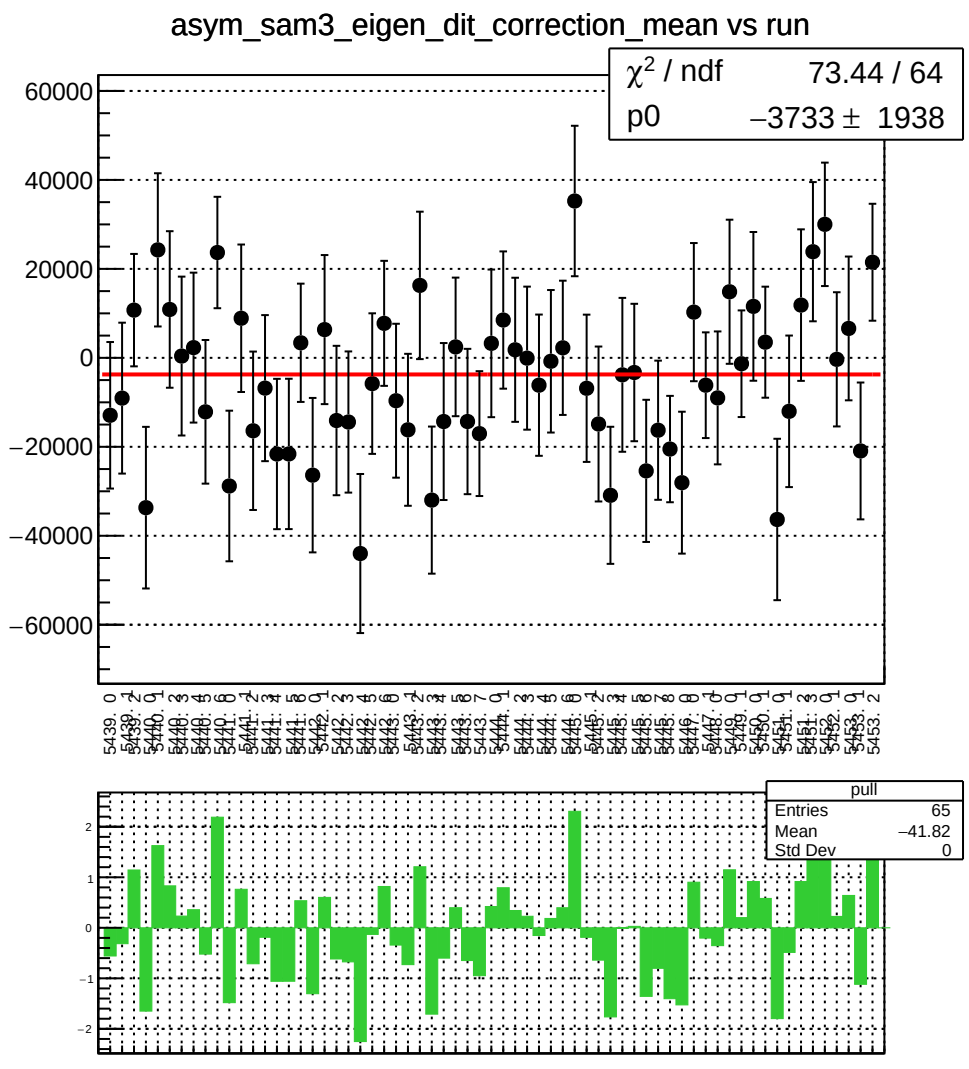

pull1D
Entries 65
Mean −0.03438
Std Dev 1.062

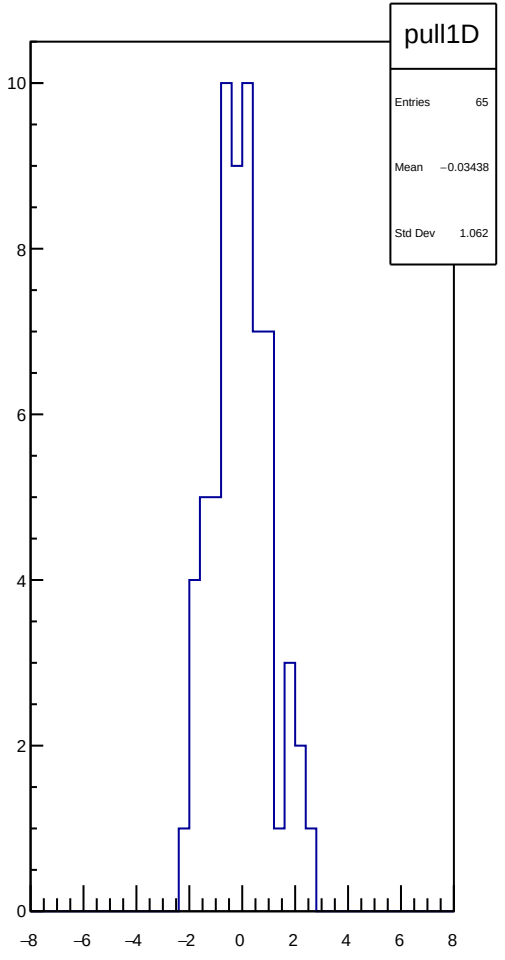

asym_sam3_dit_correction_rms vs run
χ² / ndf 3398 / 64
p0 1570 ± 1.371
1800
1700
1600
1500
1400
1300

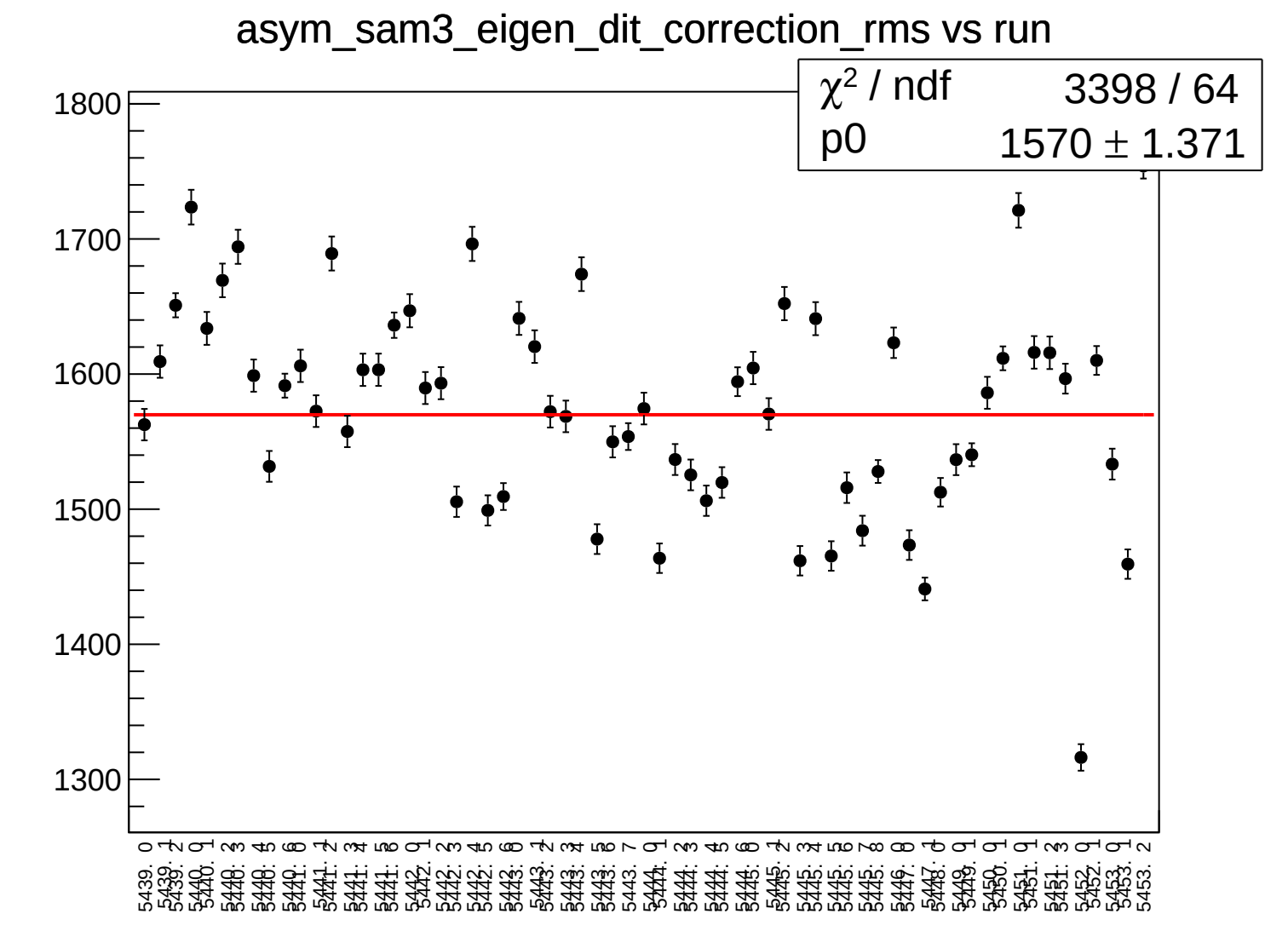

eigen_dit_asym_sam3_mean vs run
χ² / ndf 60.66 / 64
p0 602.9 ± 229.7
pull
Entries 65
Mean 12.08
Std Dev 48.9

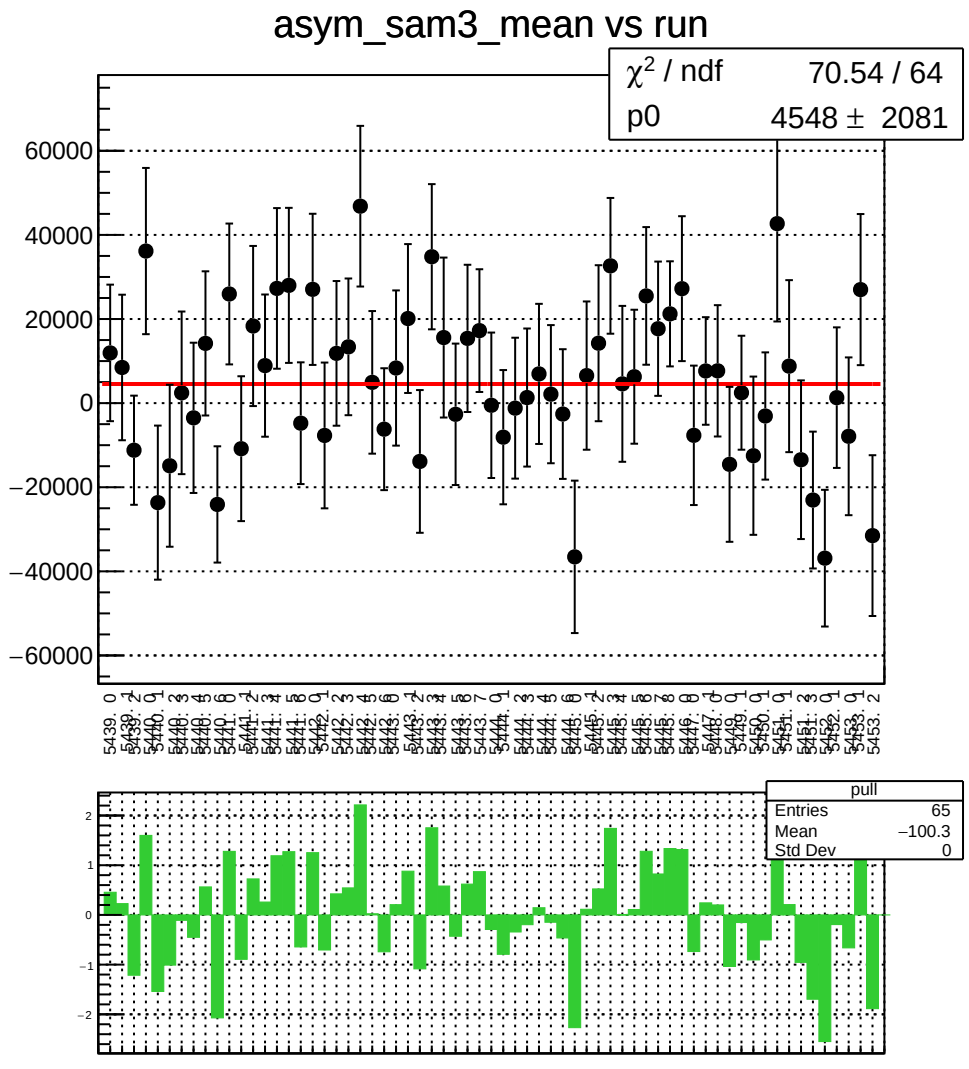

pull1D
Entries 65
Mean −0.03095
Std Dev 0.9655

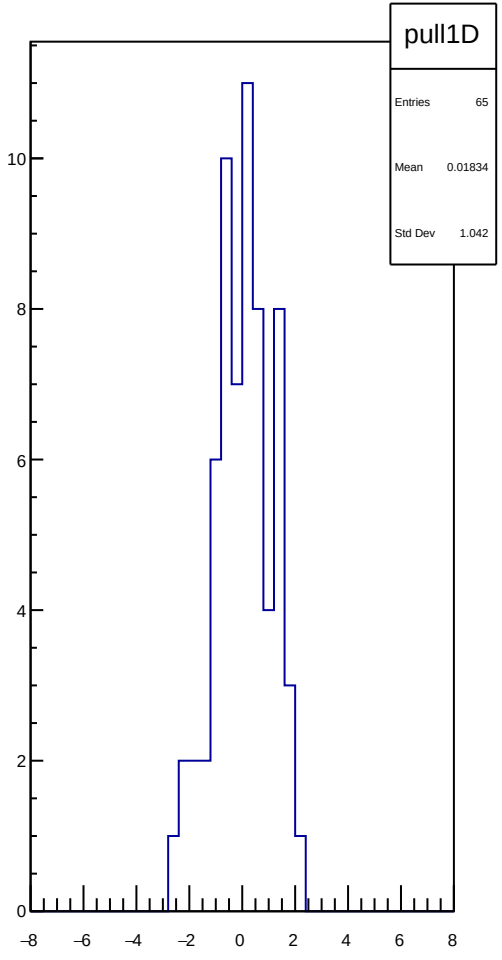

eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.284e+05 / 64
p0 177 ± 0.1624
900
800
700
600
500
400
300
200
100

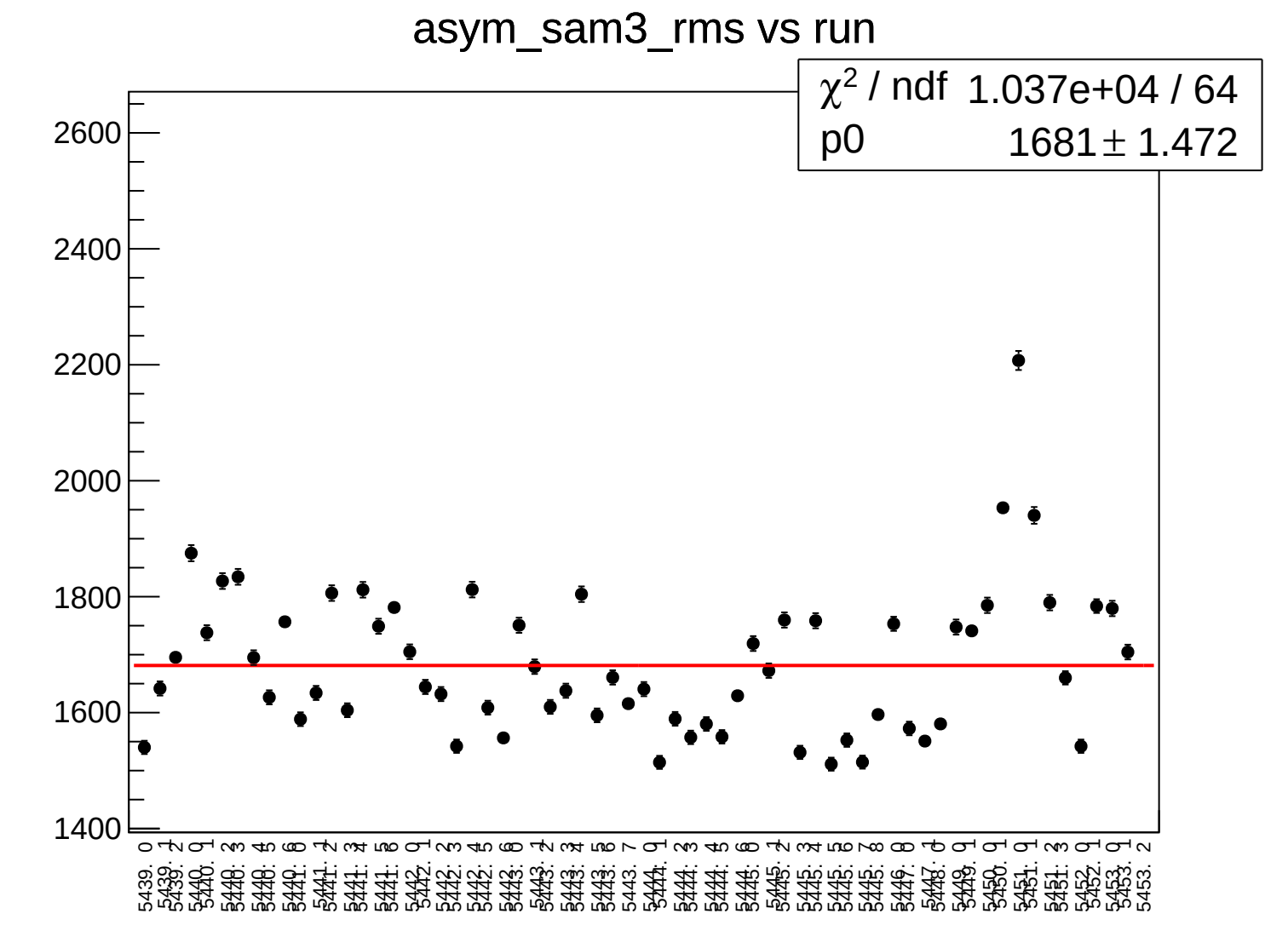

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 73.44 / 64
p0 −3733 ± 1938
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −41.82
Std Dev 0
2
1
0
−1
−2

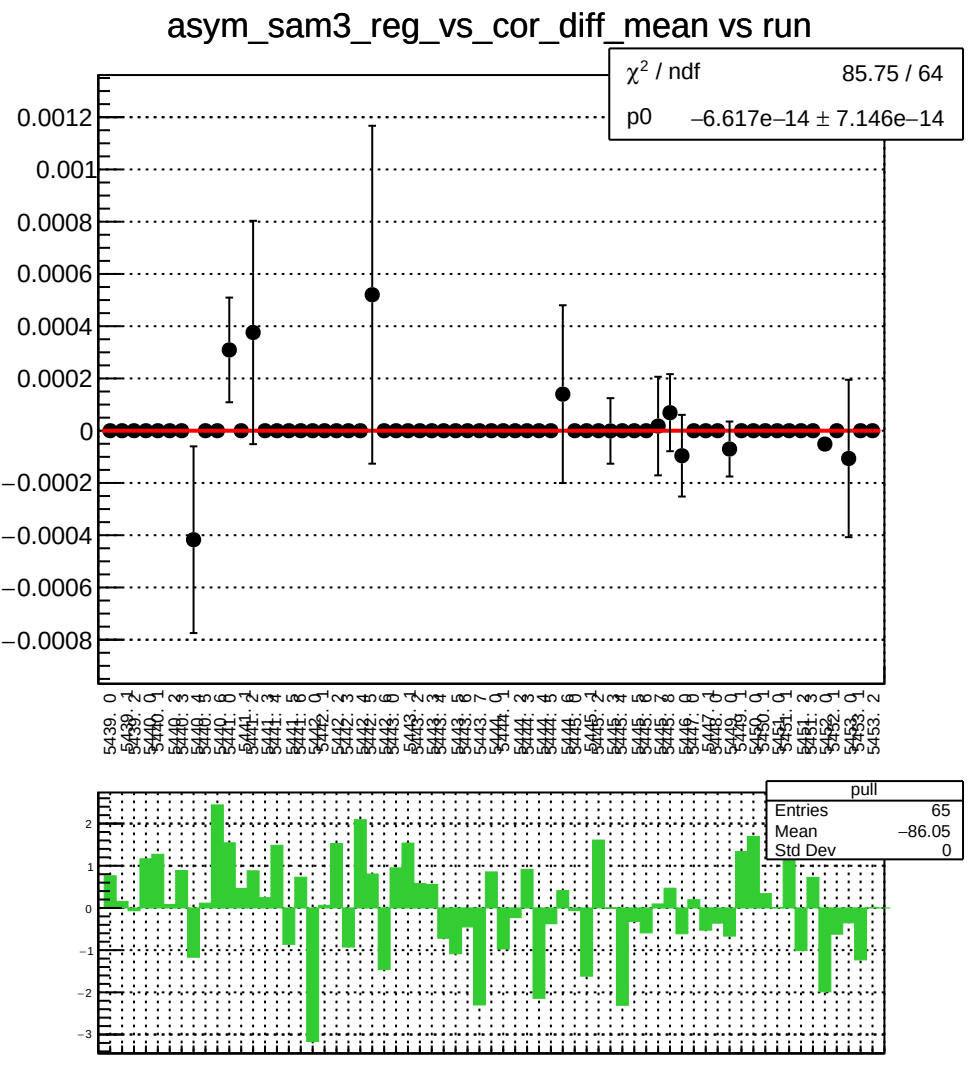

pull1D
Entries 65
Mean −0.03438
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

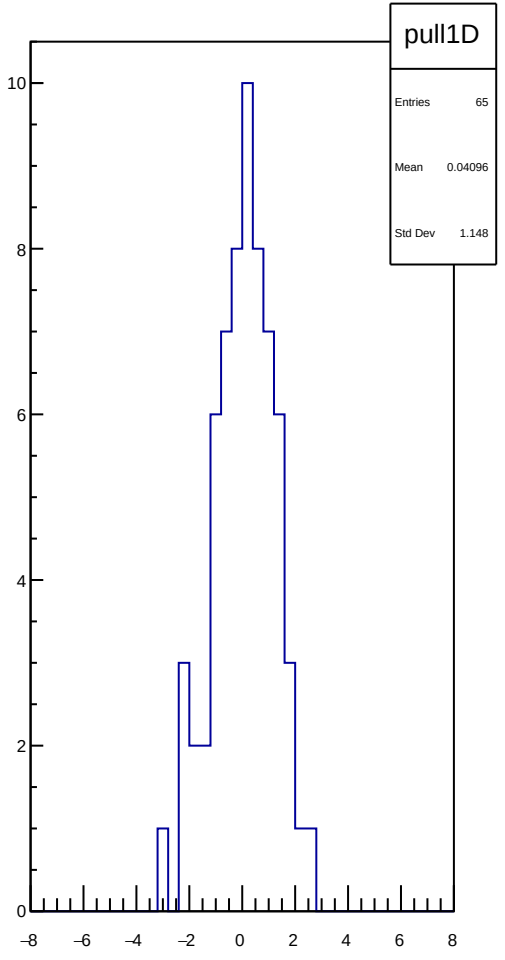

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 3398 / 64
p0 1570 ± 1.371
1800
1700
1600
1500
1400
1300

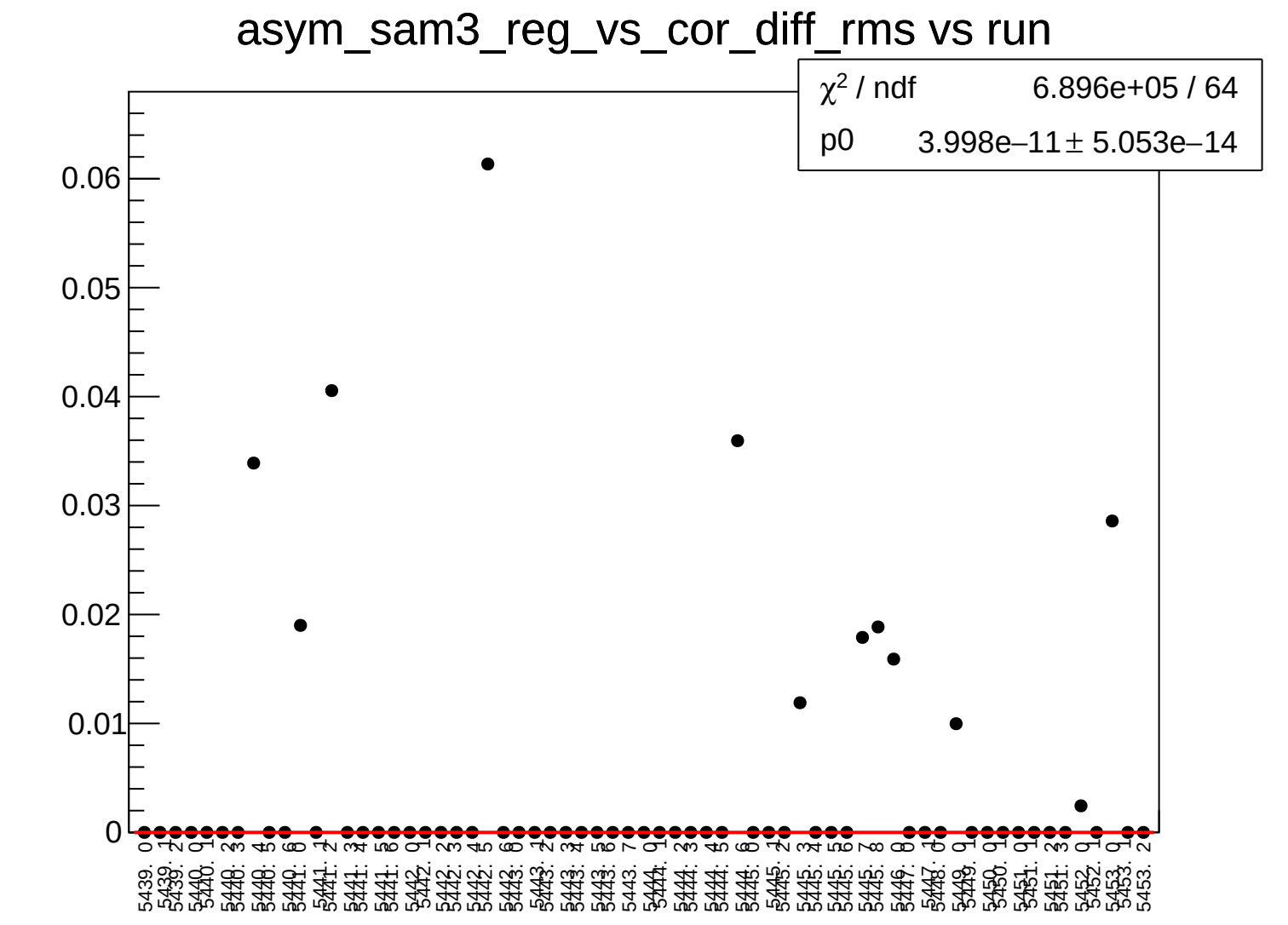

asym_sam3_mean vs run
χ² / ndf 70.54 / 64
p0 4548 ± 2081
pull
Entries 65
Mean −100.3
Std Dev 0

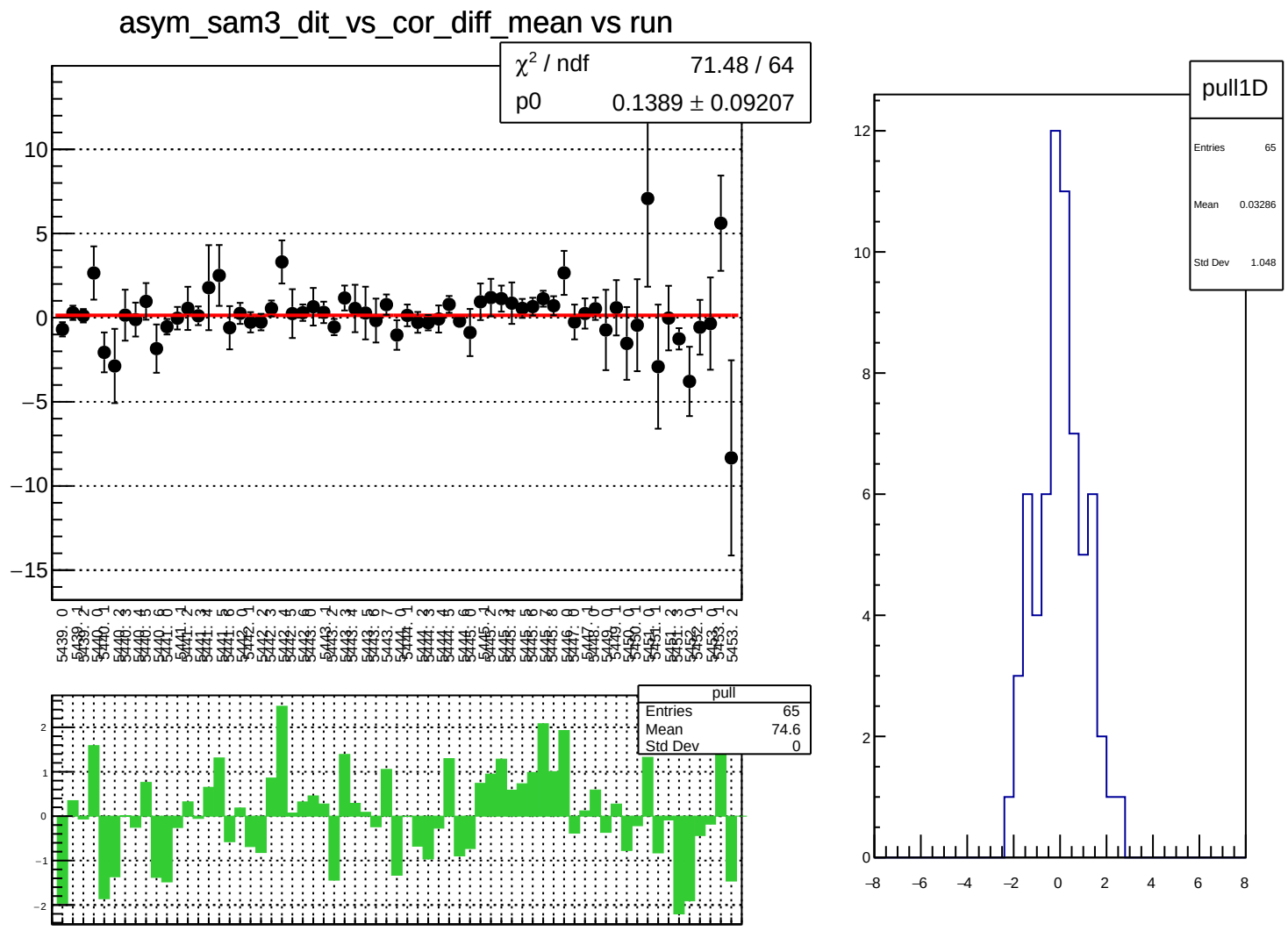

pull1D
Entries 65
Mean 0.01834
Std Dev 1.042

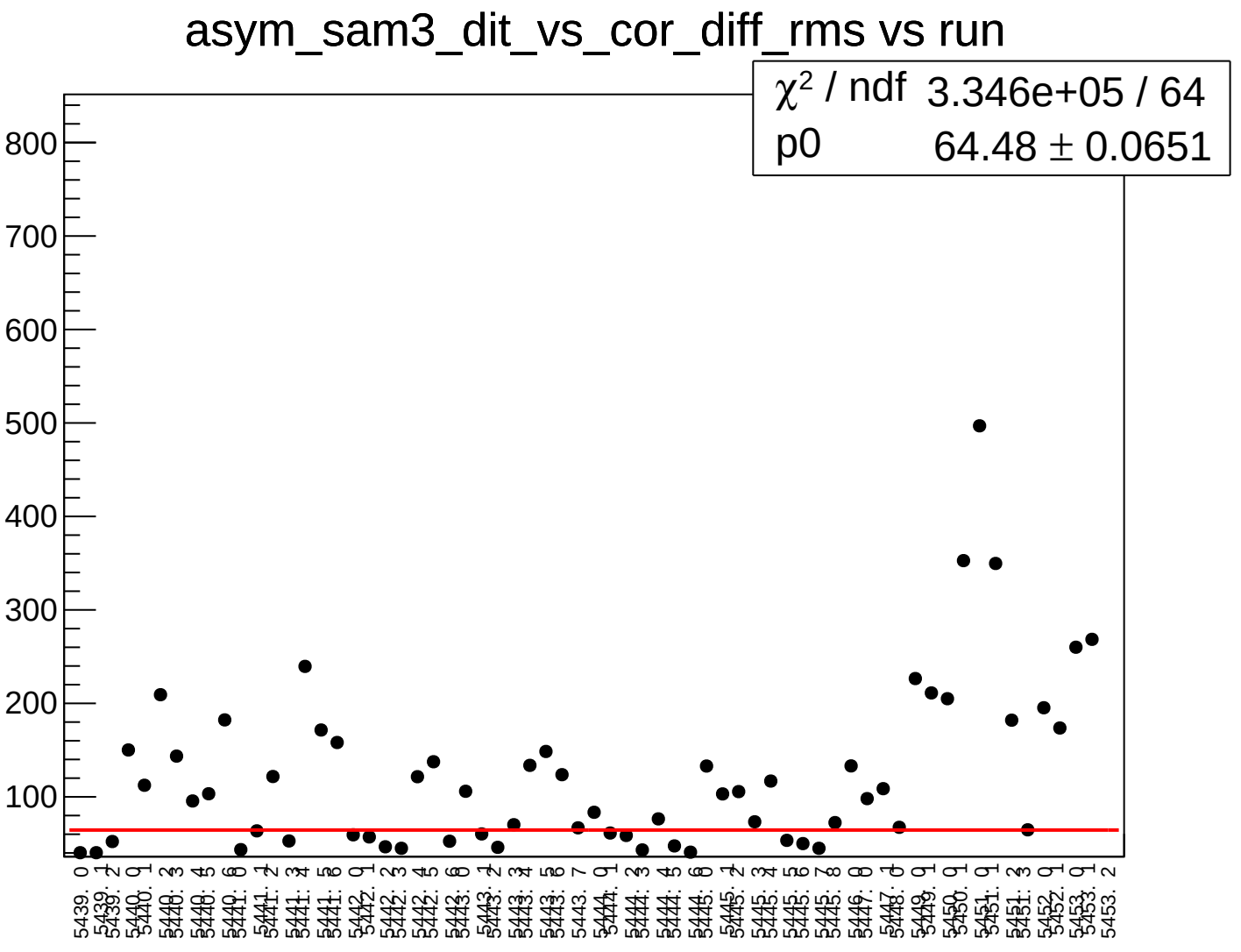

asym_sam3_rms vs run
χ^2 / ndf 1.037e+04 / 64
p0 1681 ± 1.472
2600
2400
2200
2000
1800
1600
1400

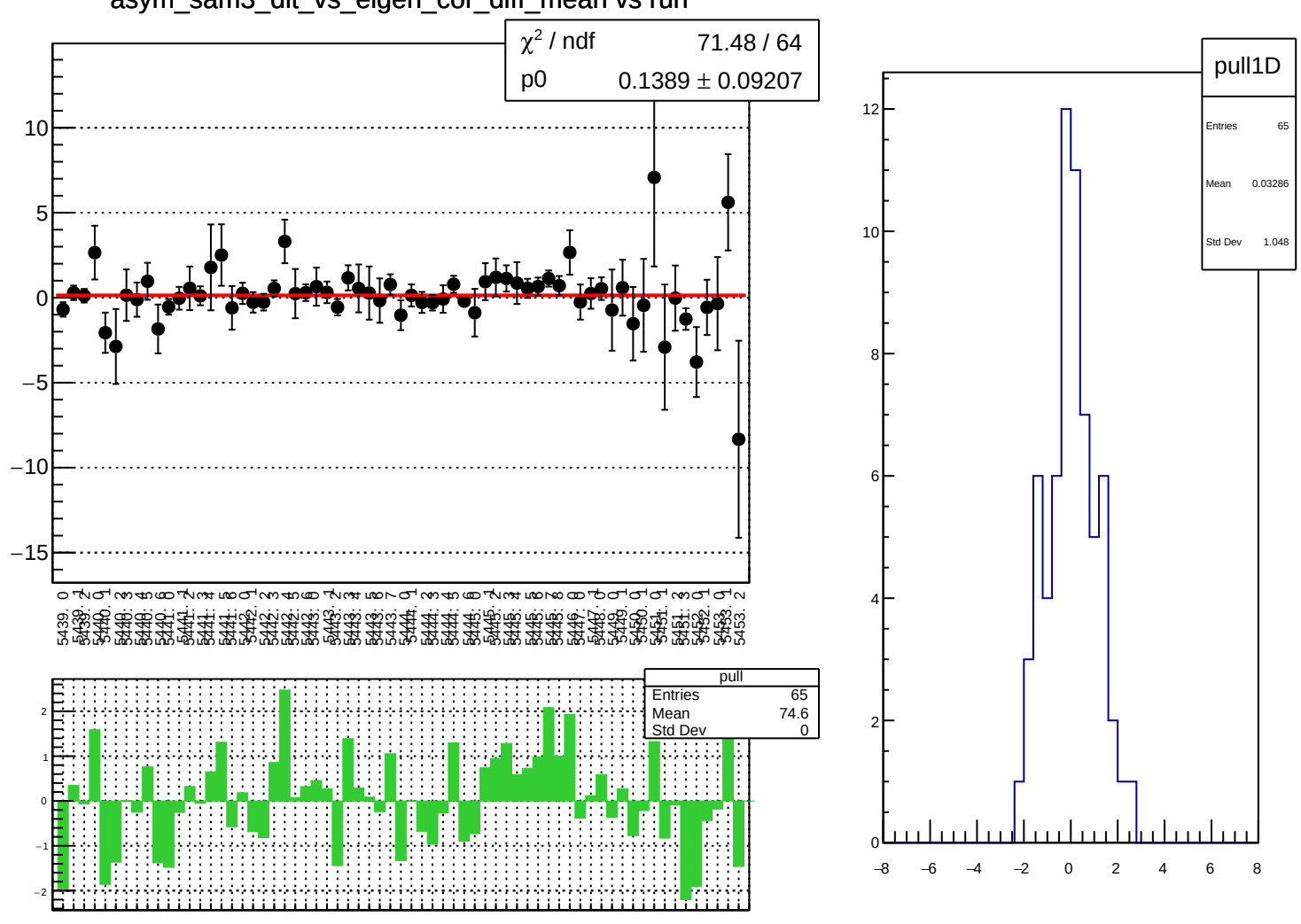

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 85.75 / 64
p0 −6.617e−14 ± 7.146e−14
pull
Entries 65
Mean −86.05
Std Dev 0

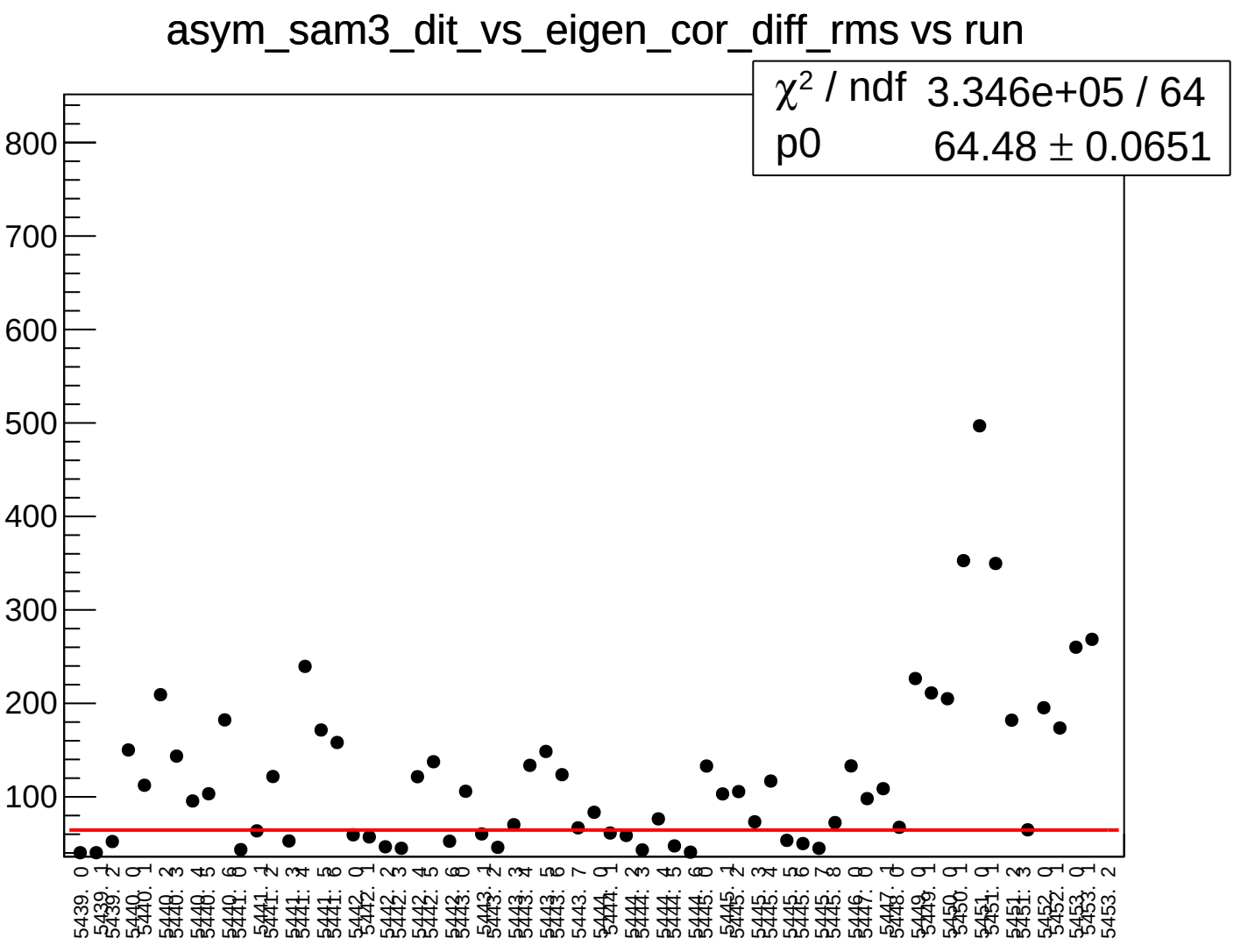

pull1D
Entries 65
Mean 0.04096
Std Dev 1.148

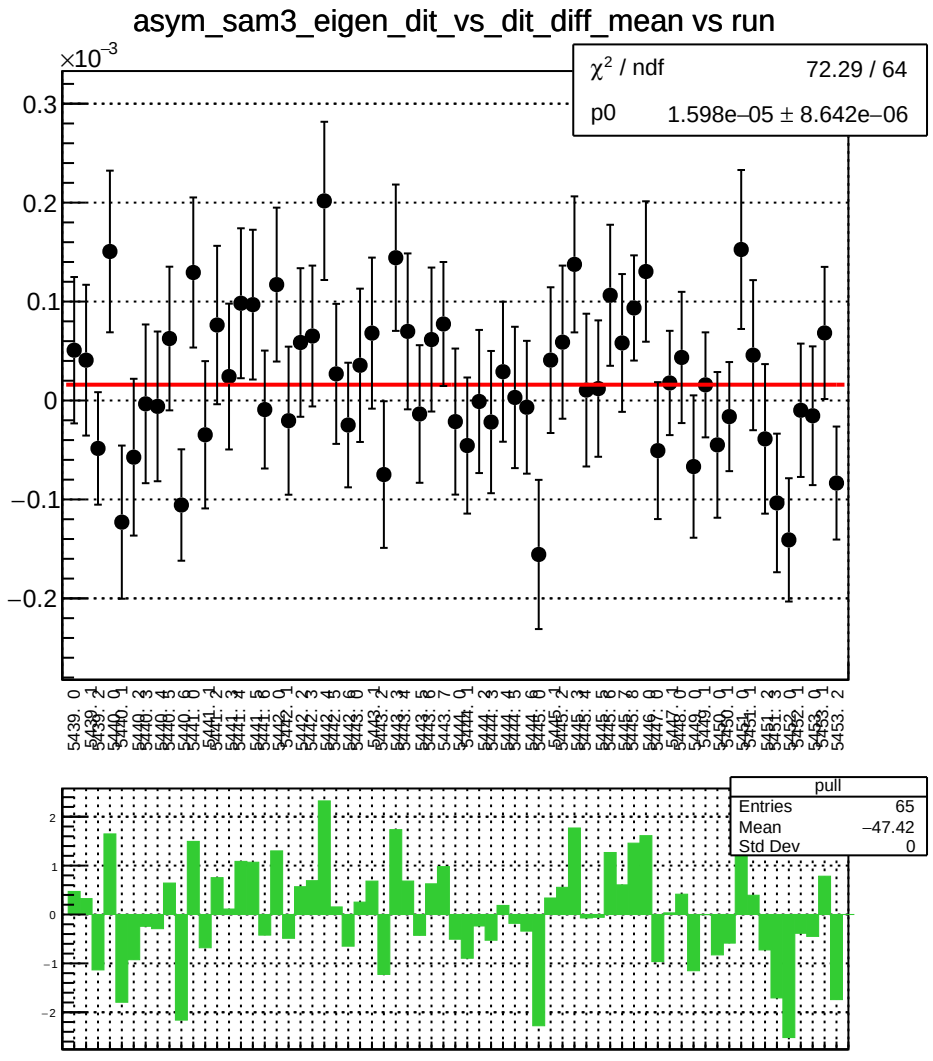

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 6.896e+05 / 64
p0 3.998e−11 ± 5.053e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

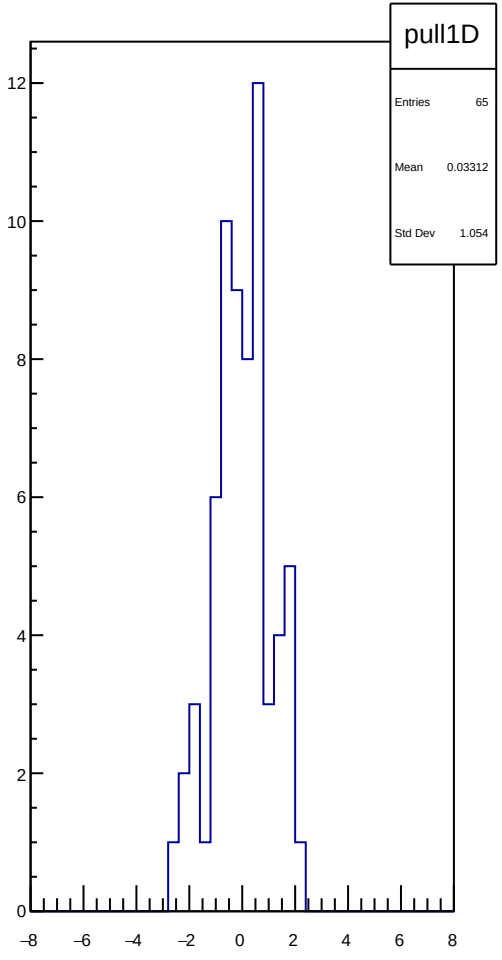

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 71.48 / 64
p0 0.1389 ± 0.09207
pull
Entries 65
Mean 74.6
Std Dev 0
pull1D
Entries 65
Mean 0.03286
Std Dev 1.048

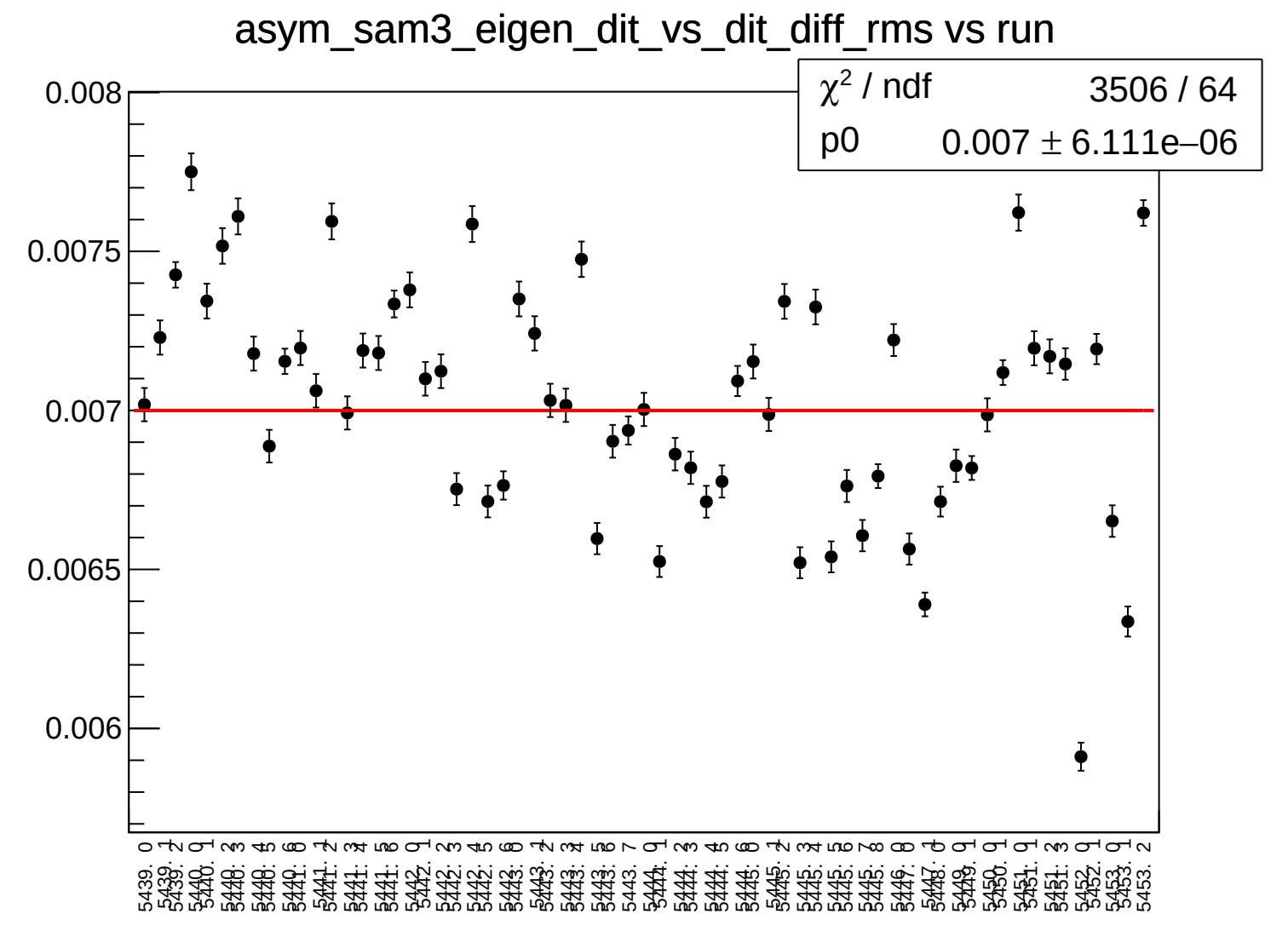

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 3.346e+05 / 64
p0 64.48 ± 0.0651
800
700
600
500
400
300
200
100

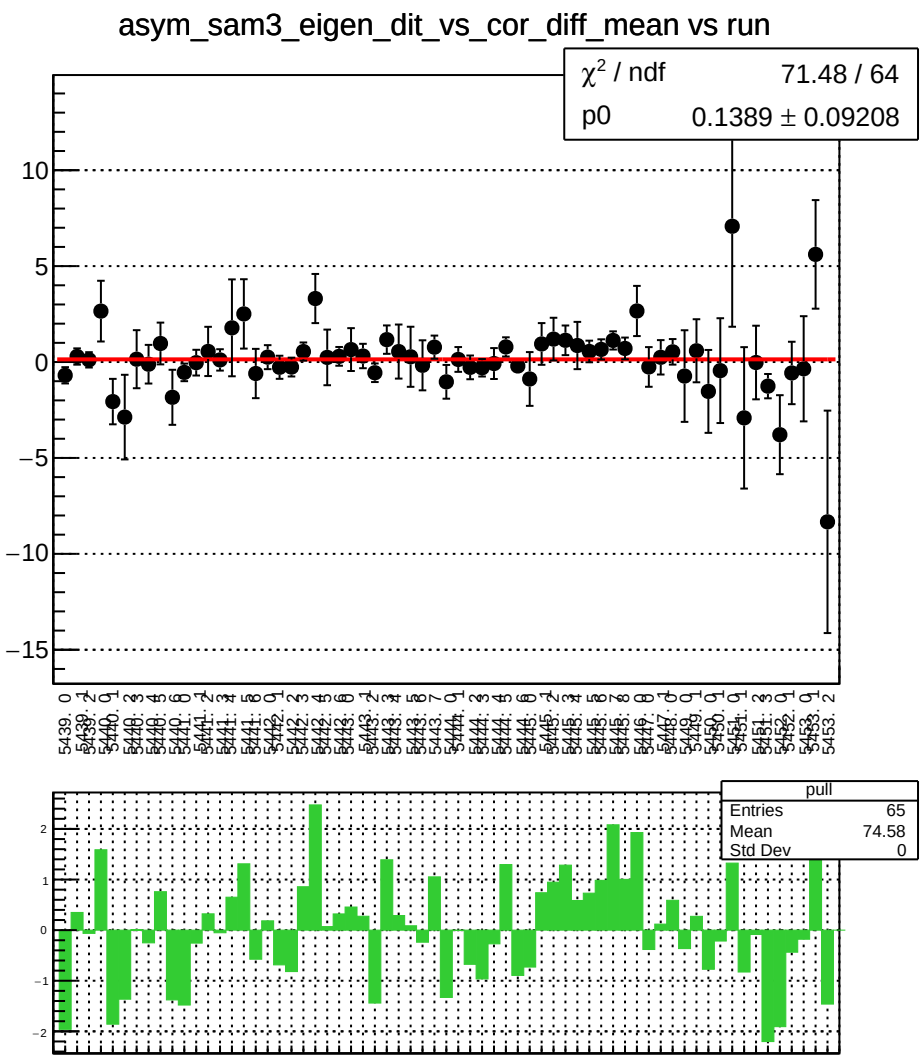

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.48 / 64
p0 0.1389 ± 0.09207
pull
Entries 65
Mean 74.6
Std Dev 0
pull1D
Entries 65
Mean 0.03286
Std Dev 1.048

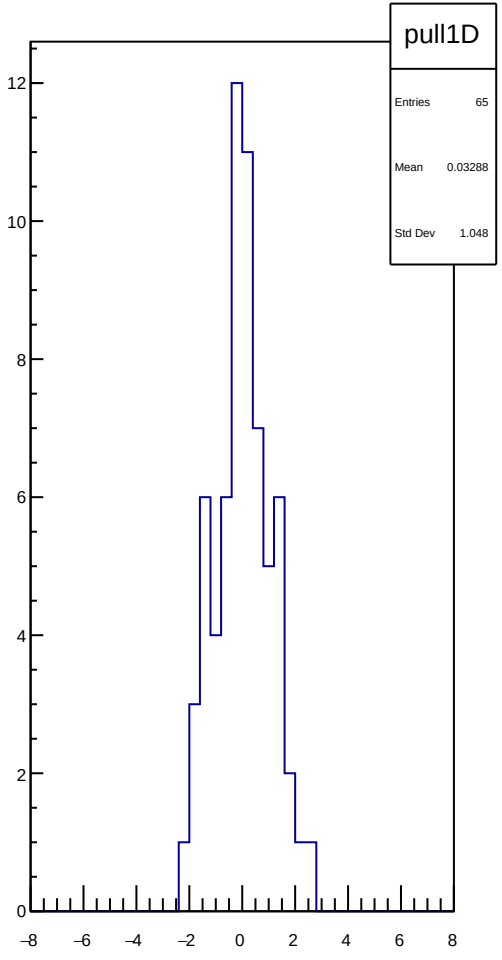

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.346e+05 / 64
p0 64.48 ± 0.0651
800
700
600
500
400
300
200
100

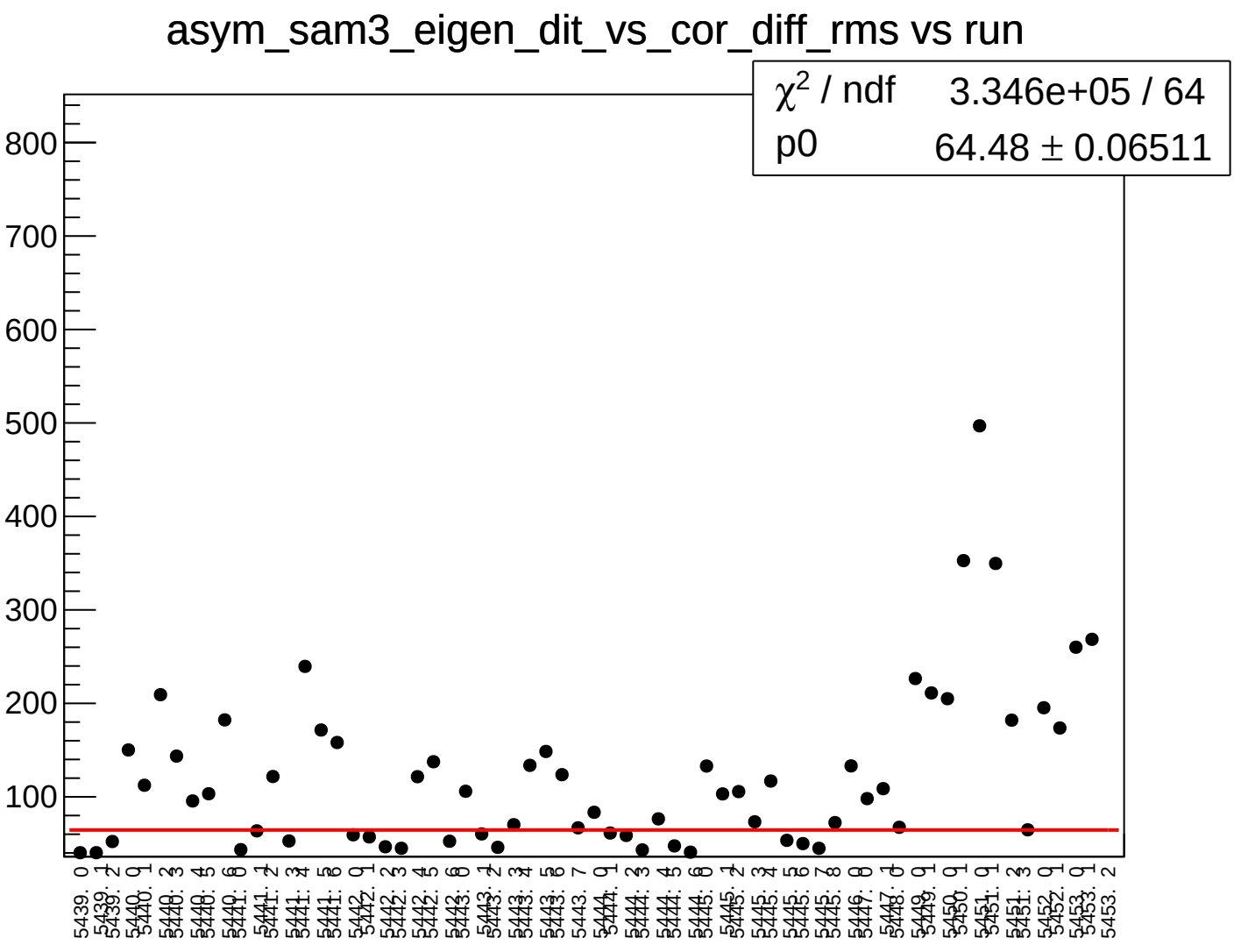

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.29 / 64
p0 1.598e−05 ± 8.642e−06
pull
Entries 65
Mean −47.42
Std Dev 0

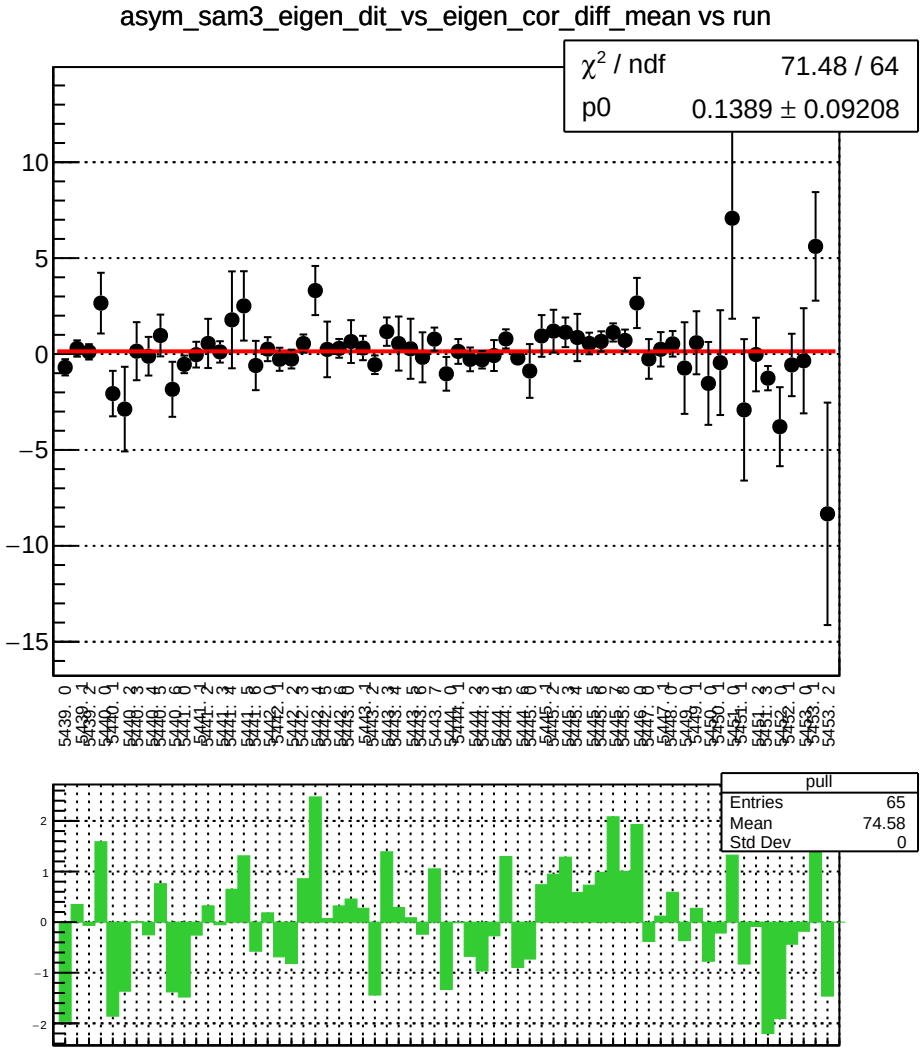

pull1D
Entries 65
Mean 0.03312
Std Dev 1.054

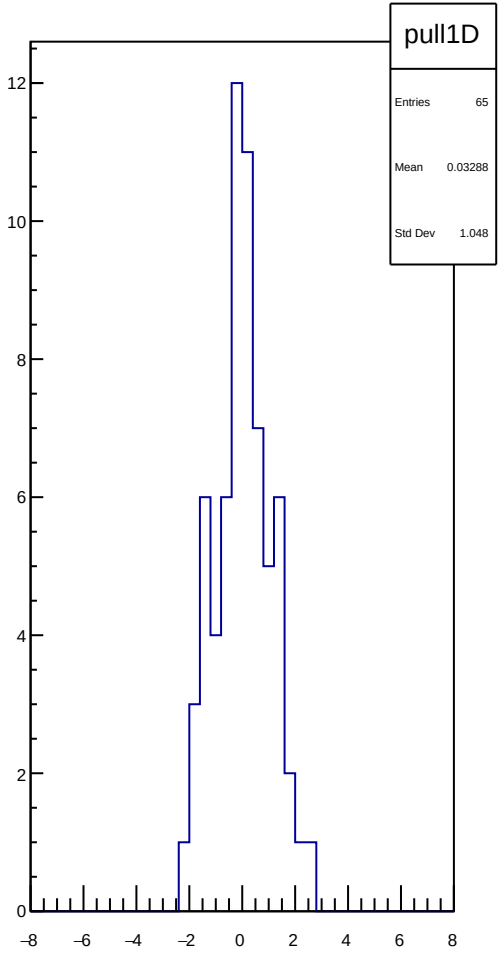

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3506 / 64
p0 0.007 ± 6.111e–06
0.008
0.0075
0.007
0.0065
0.006

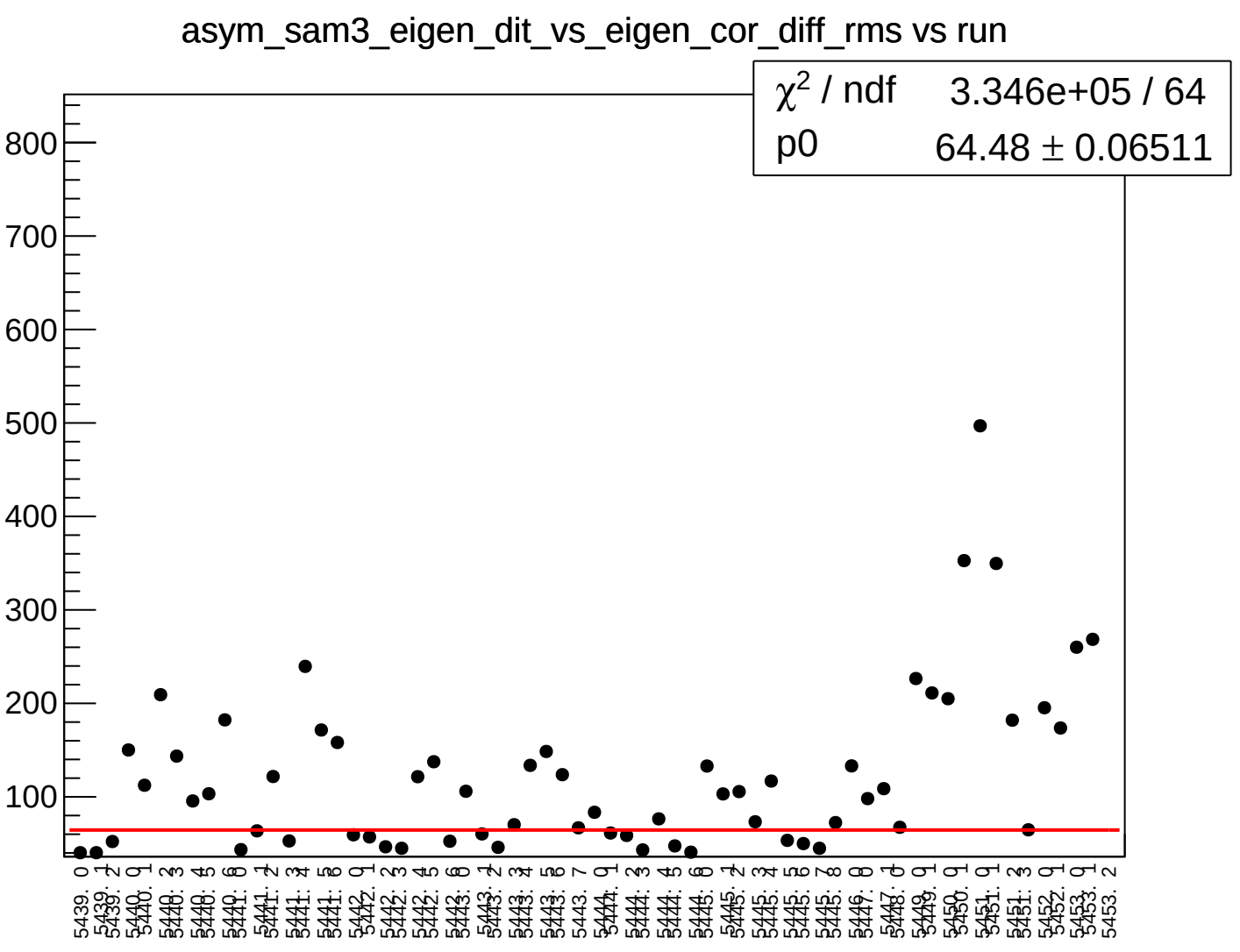

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.48 / 64
p0 0.1389 ± 0.09208
pull
Entries 65
Mean 74.58
Std Dev 0

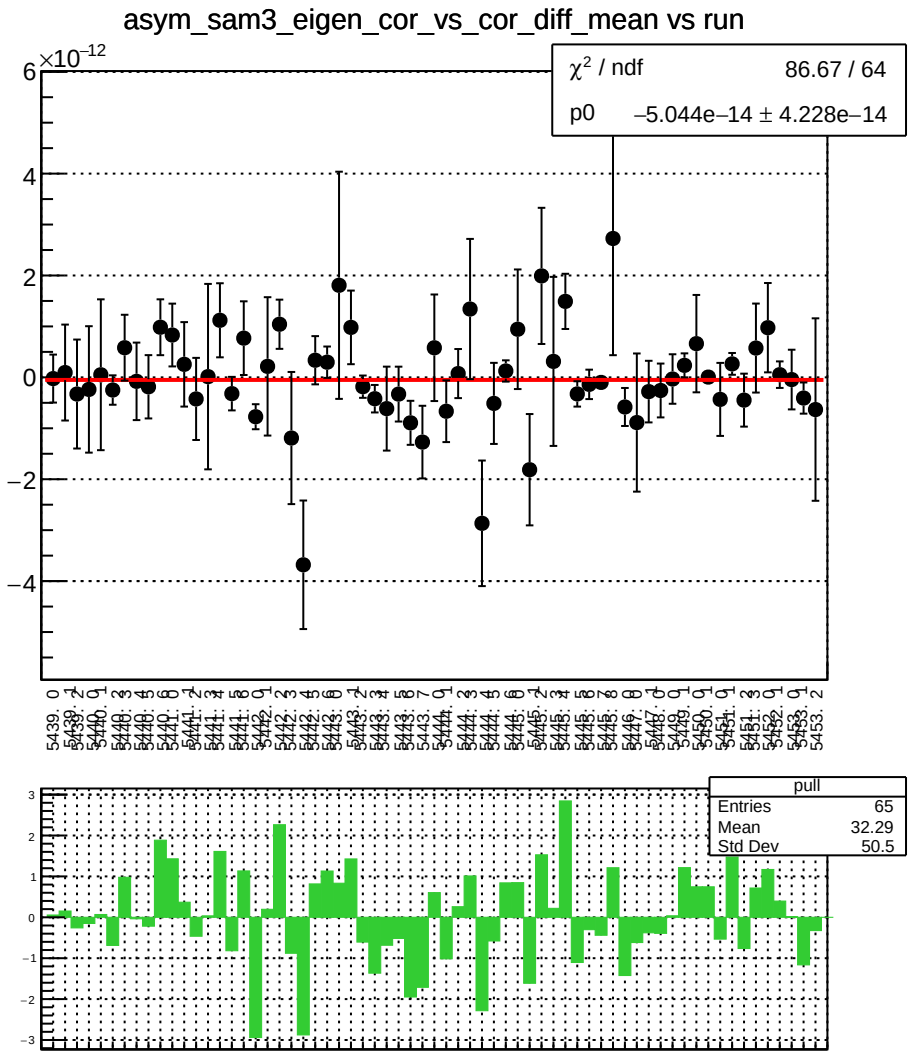

pull1D
Entries 65
Mean 0.03288
Std Dev 1.048

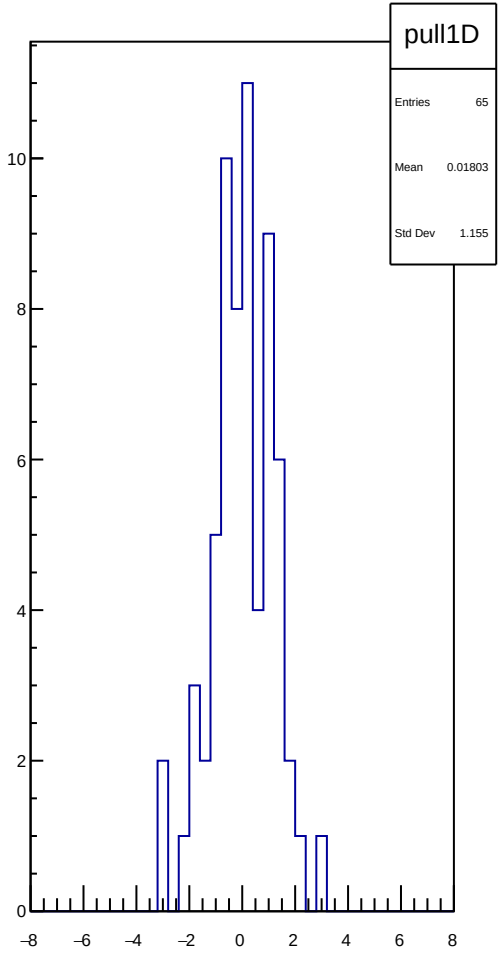

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.346e+05 / 64
p0 64.48 ± 0.06511
800
700
600
500
400
300
200
100

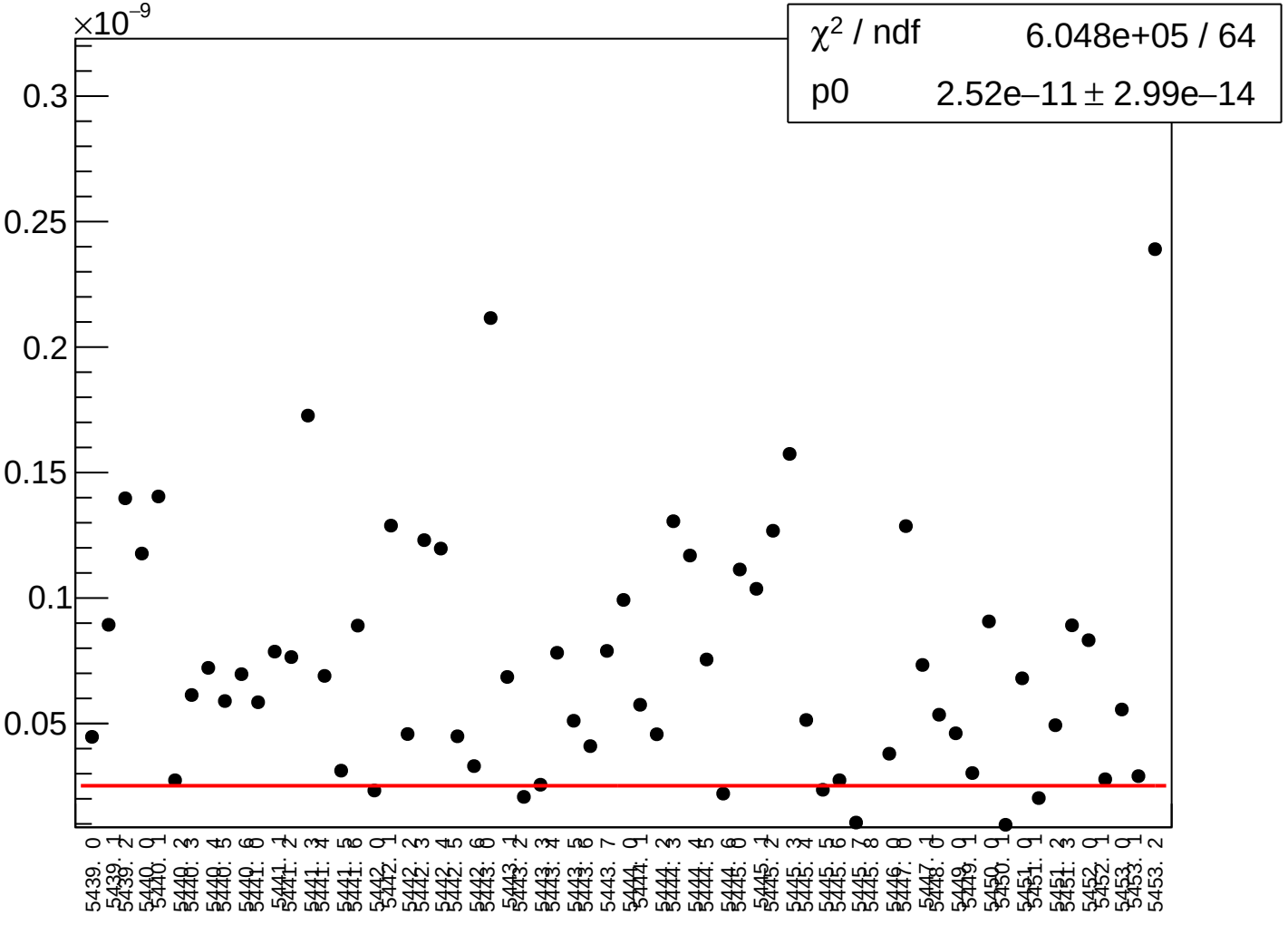

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.48 / 64
p0 0.1389 ± 0.09208
pull
Entries 65
Mean 74.58
Std Dev 0

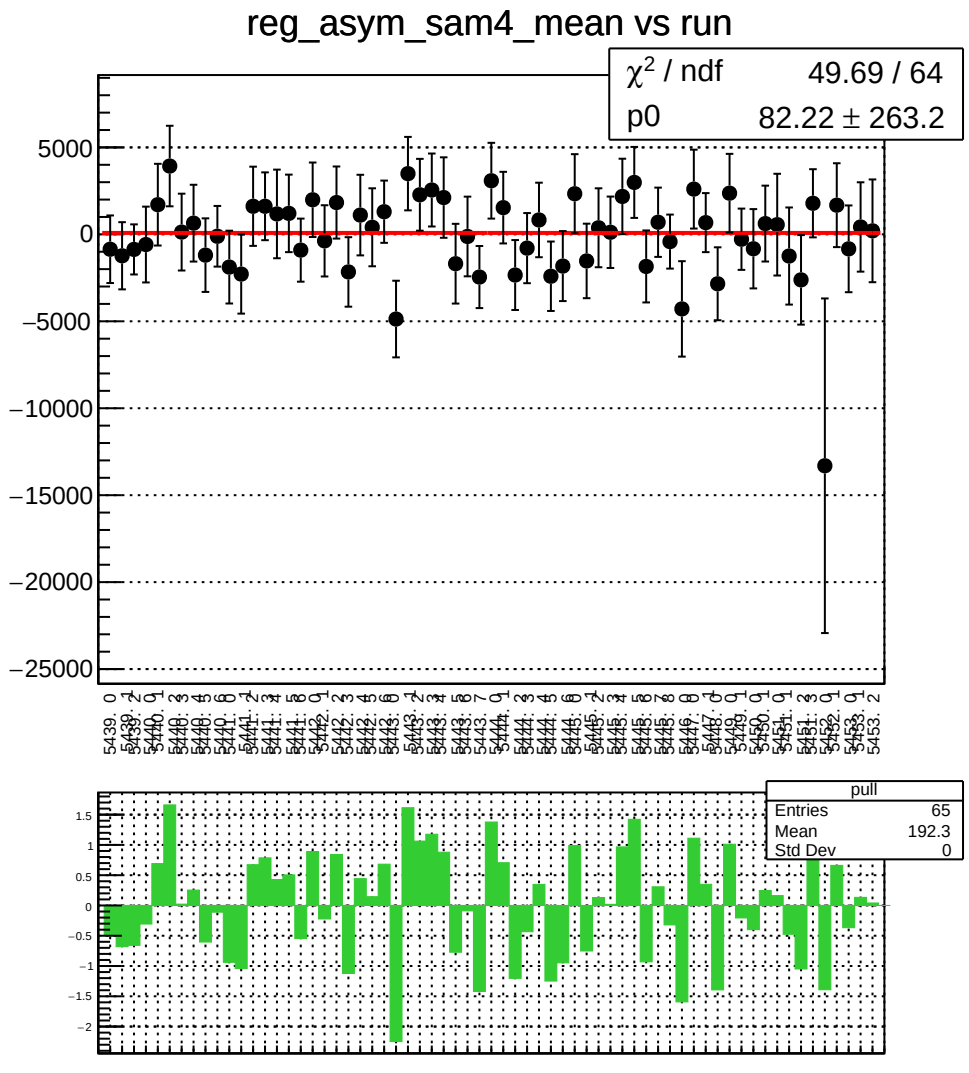

pull1D
Entries 65
Mean 0.03288
Std Dev 1.048

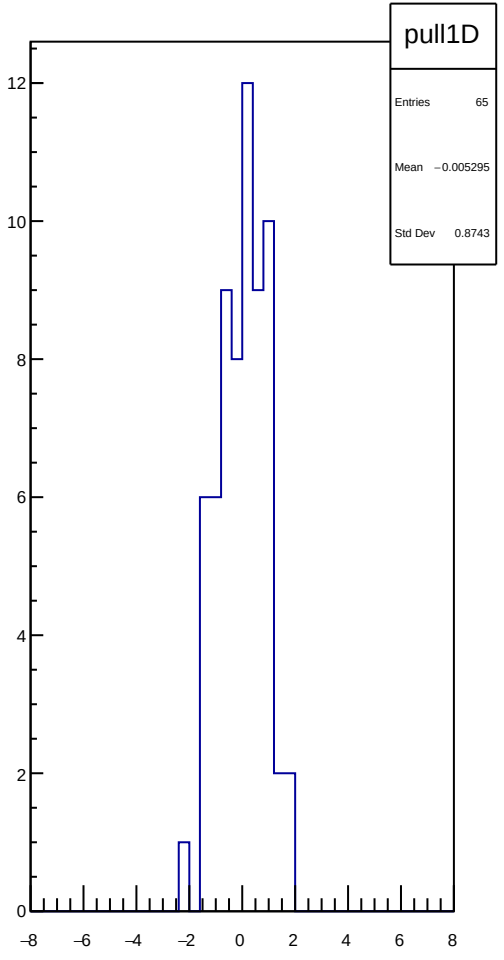

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.346e+05 / 64
p0 64.48 ± 0.06511
800
700
600
500
400
300
200
100

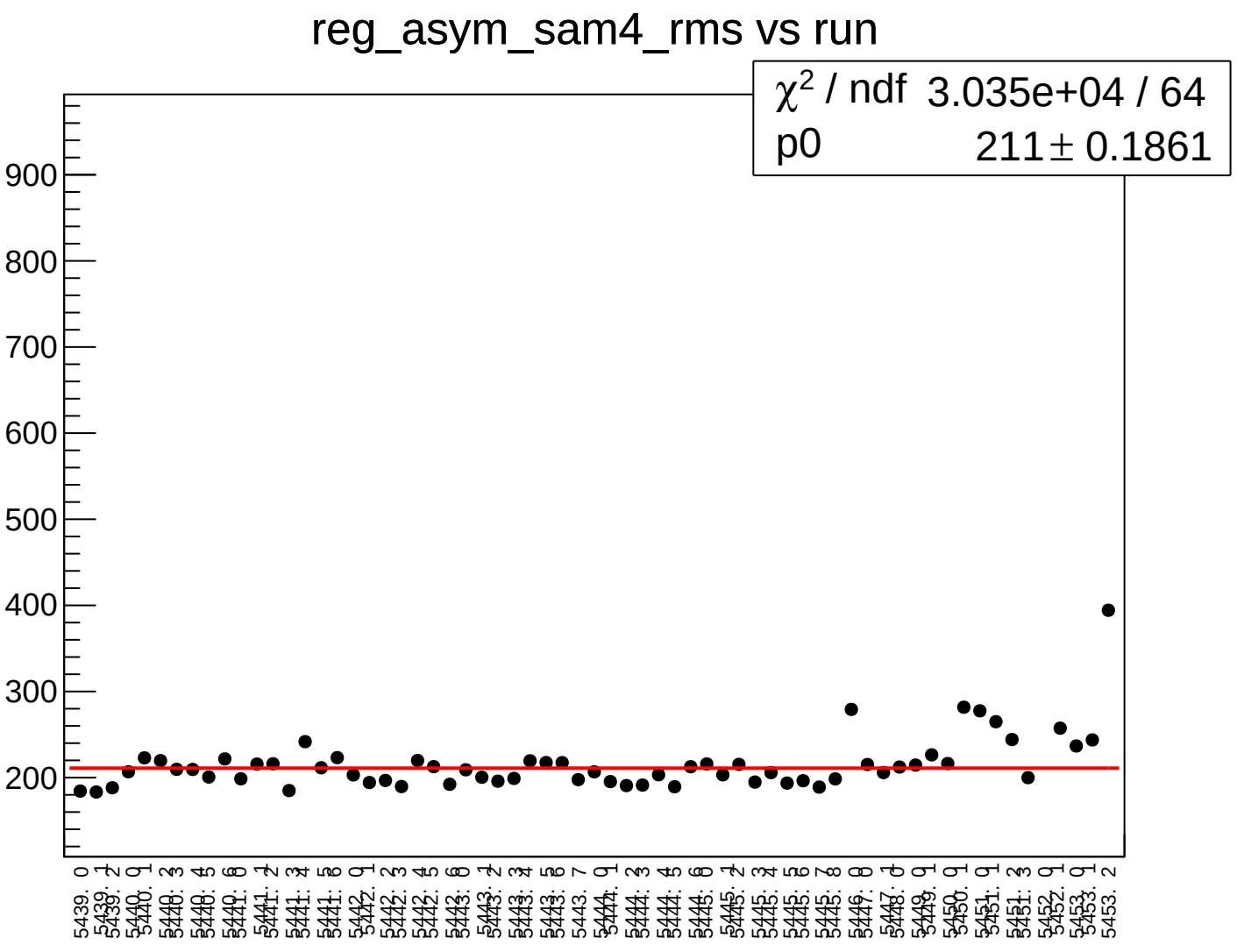

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.67 / 64
p0 −5.044e−14 ± 4.228e−14
pull
Entries 65
Mean 32.29
Std Dev 50.5

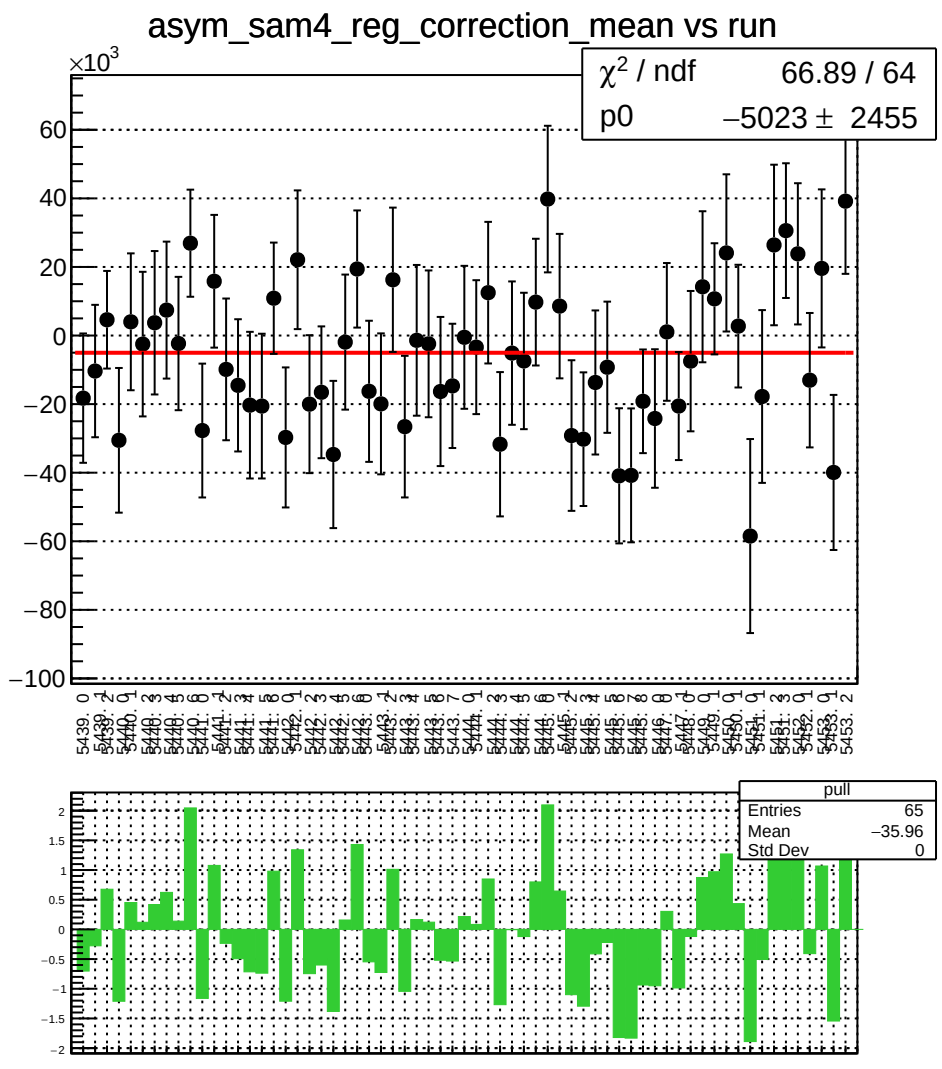

pull1D
Entries 65
Mean 0.01803
Std Dev 1.155

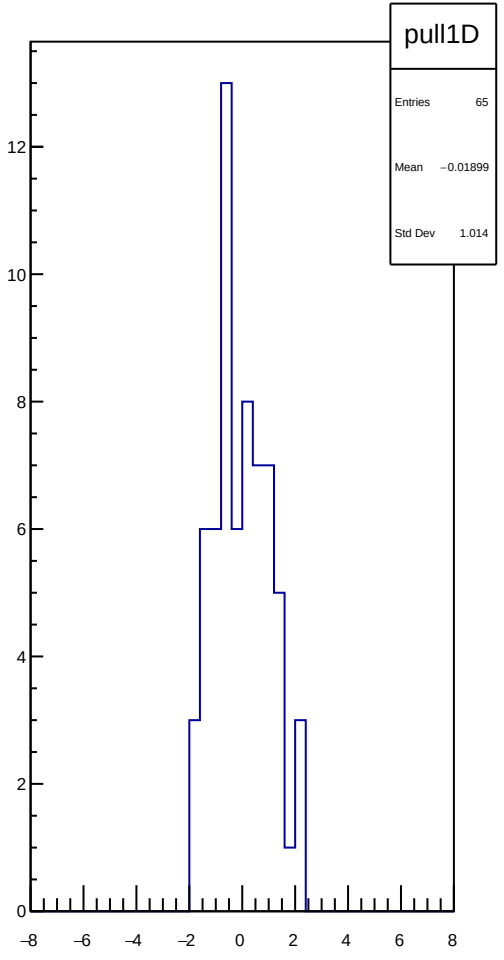

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.048e+05 / 64
p0 2.52e−11 ± 2.99e−14
0.3
0.25
0.2
0.15
0.1
0.05

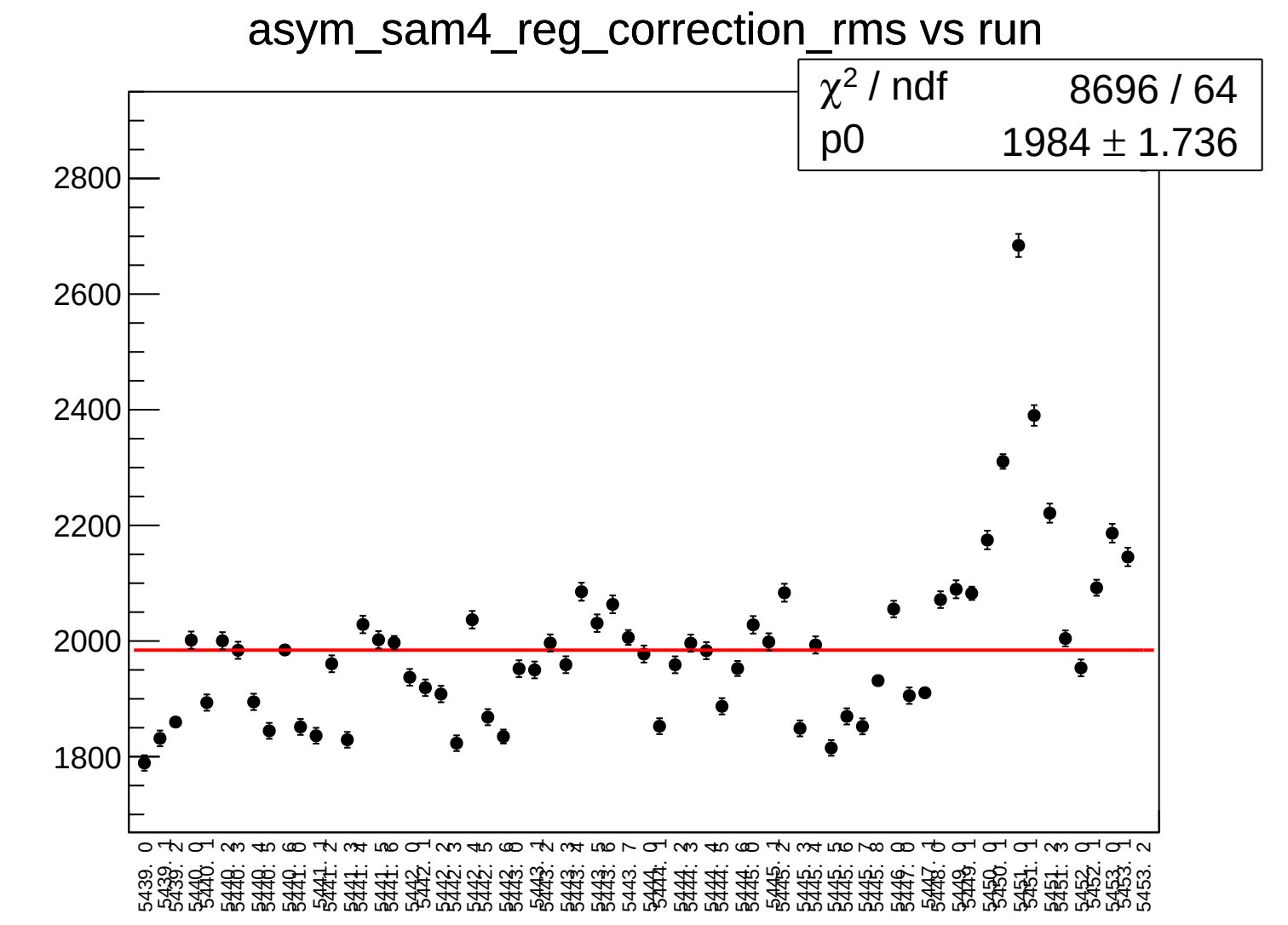

reg_asym_sam4_mean vs run
χ² / ndf 49.69 / 64
p0 82.22 ± 263.2
pull
Entries 65
Mean 192.3
Std Dev 0

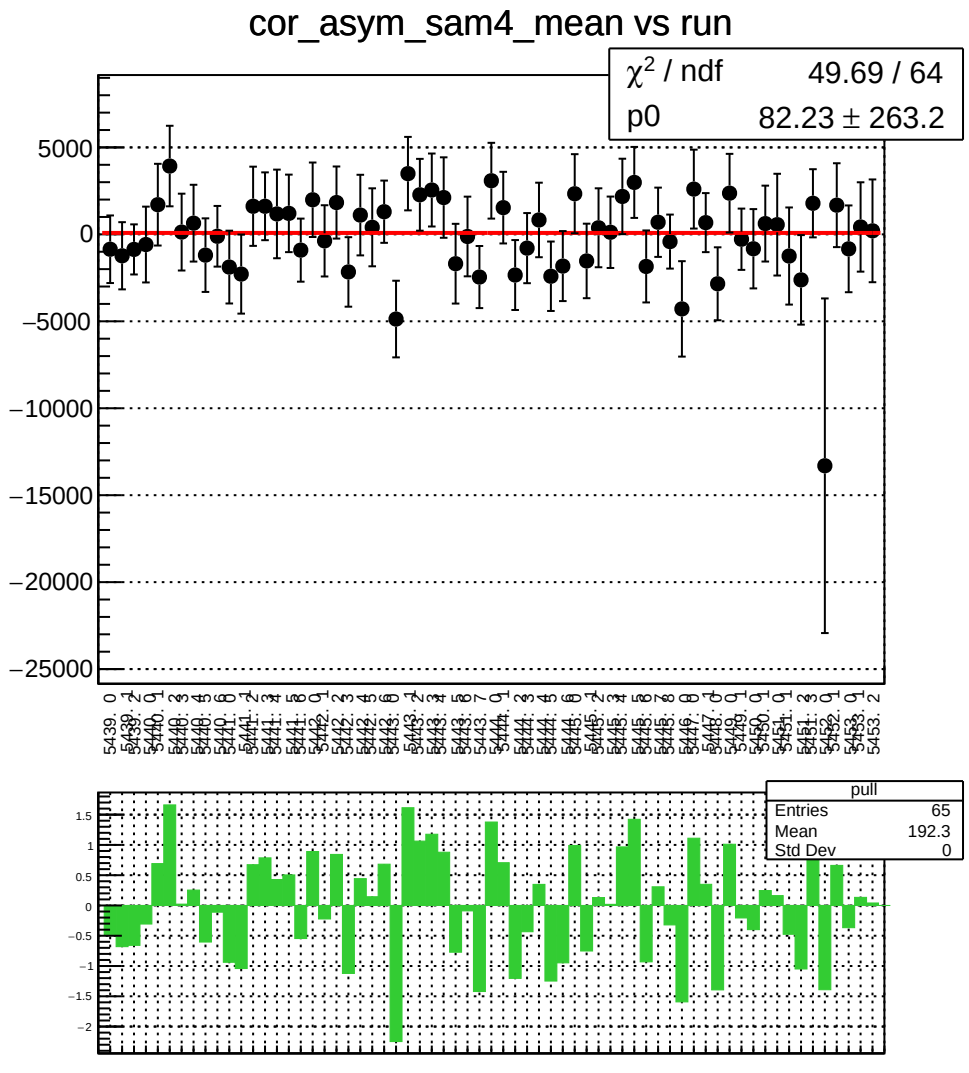

pull1D
Entries 65
Mean −0.005295
Std Dev 0.8743

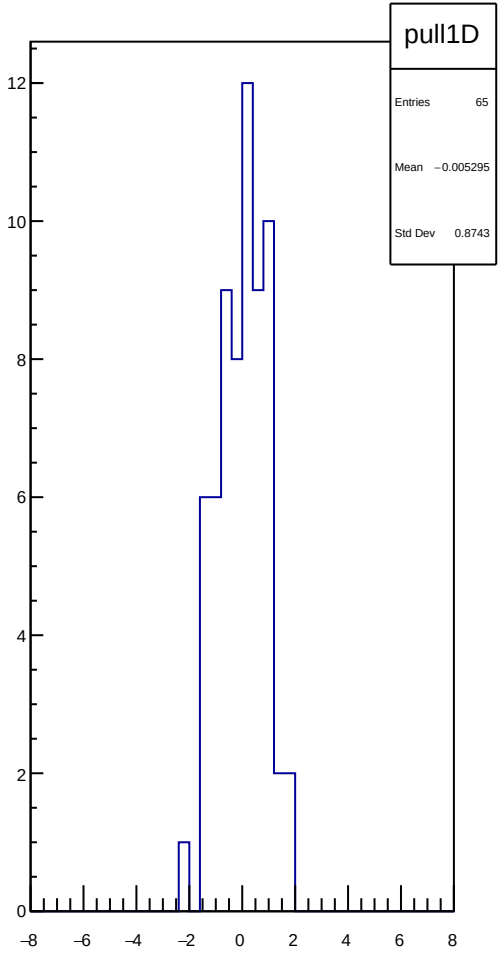

reg_asym_sam4_rms vs run
χ² / ndf 3.035e+04 / 64
p0 211 ± 0.1861
900
800
700
600
500
400
300
200

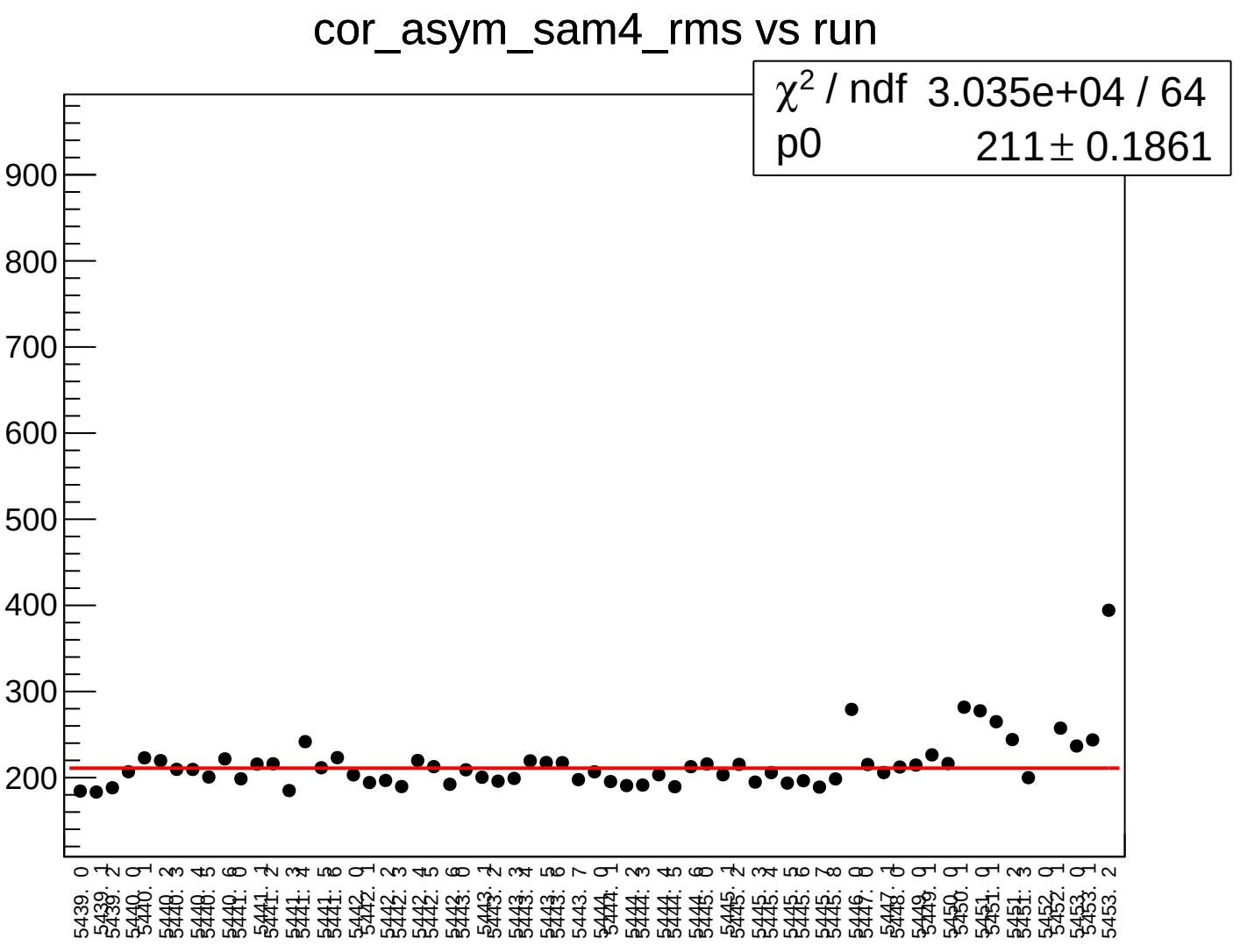

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 66.89 / 64
p0 −5023 ± 2455
pull
Entries 65
Mean −35.96
Std Dev 0

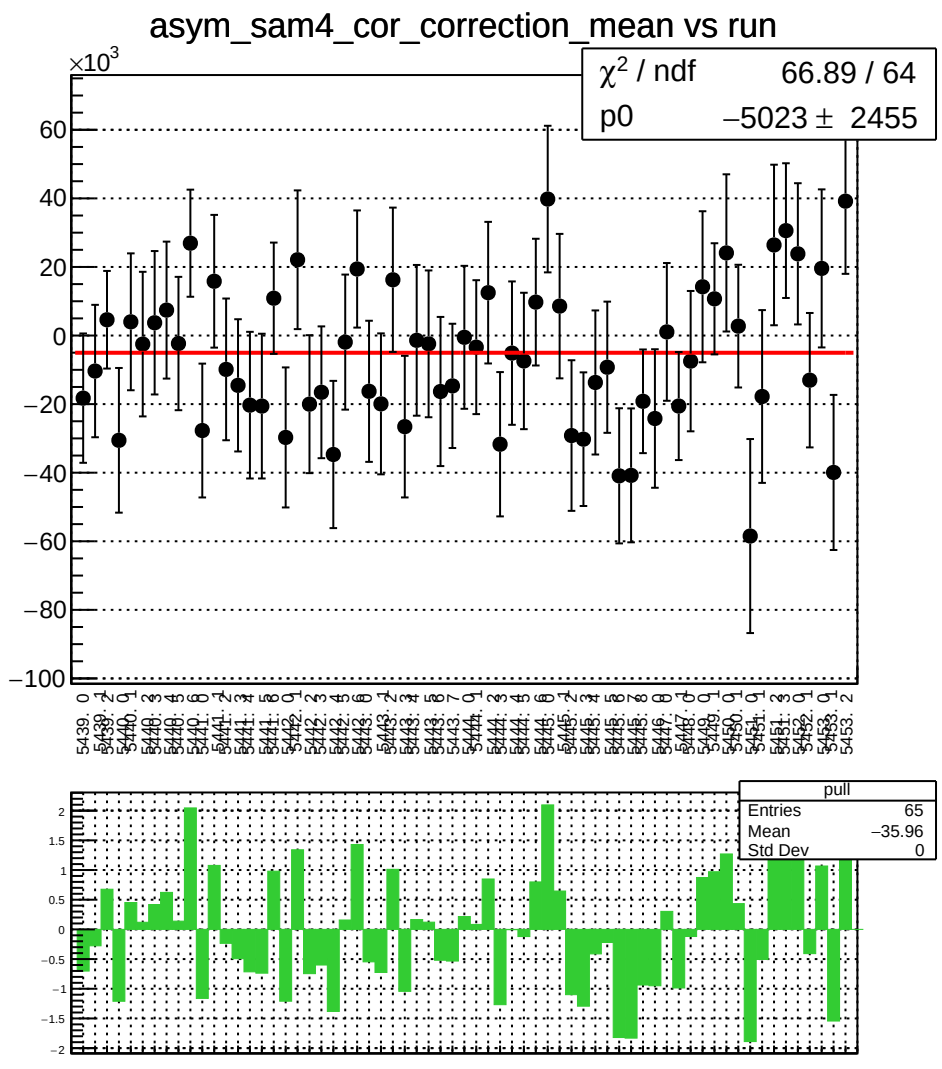

pull1D
Entries 65
Mean −0.01899
Std Dev 1.014

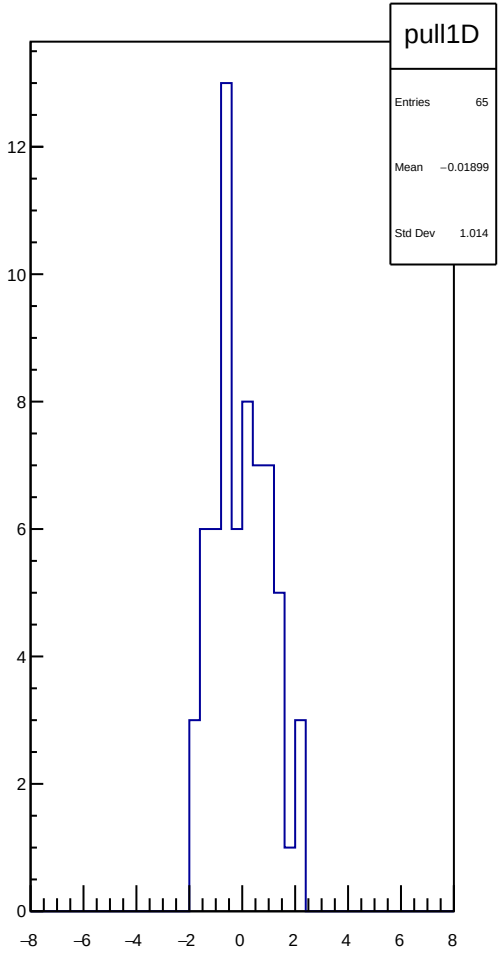

asym_sam4_reg_correction_rms vs run
χ² / ndf 8696 / 64
p0 1984 ± 1.736
2800
2600
2400
2200
2000
1800

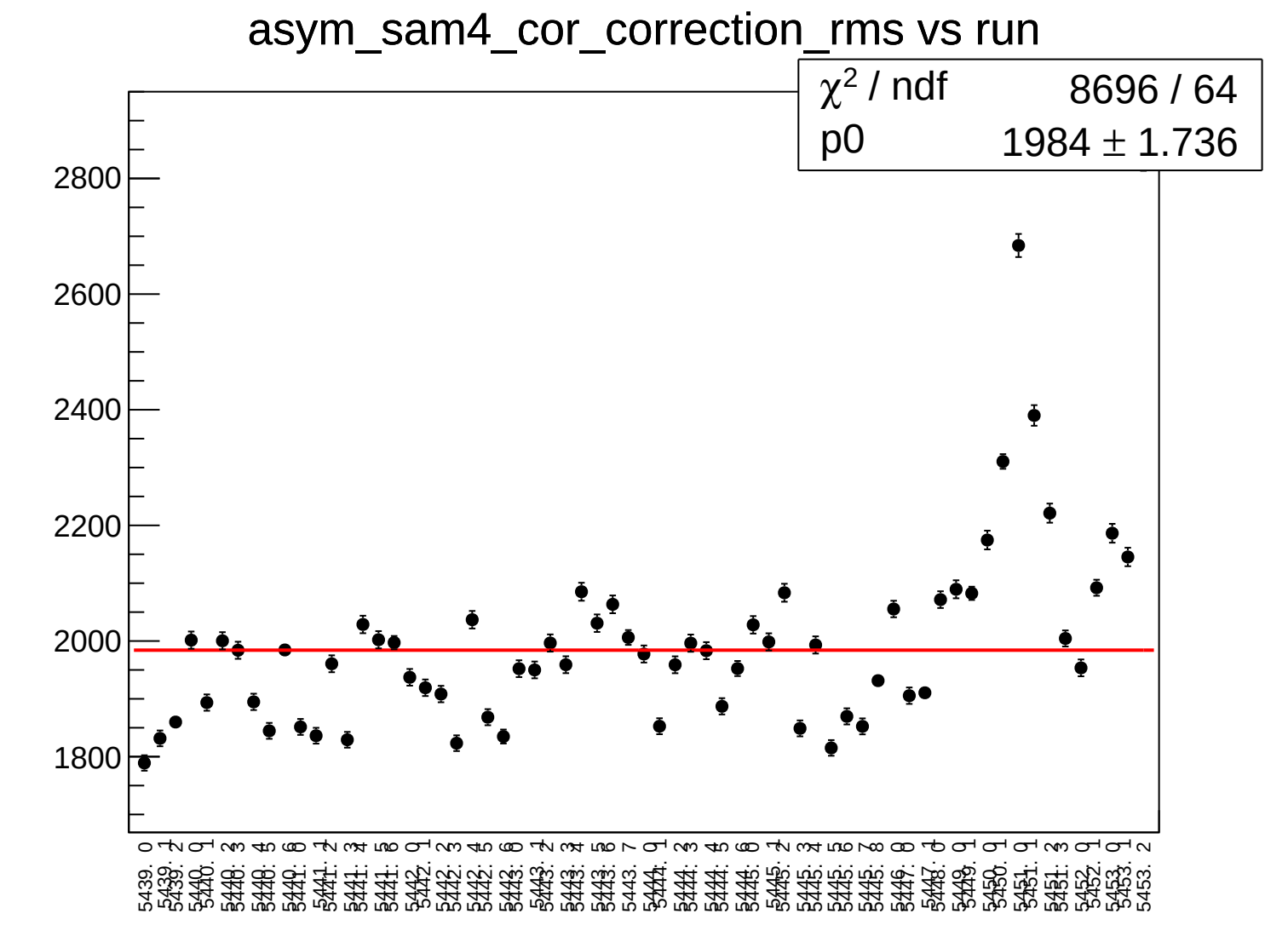

cor_asym_sam4_mean vs run
χ² / ndf 49.69 / 64
p0 82.23 ± 263.2
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 65
Mean 192.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

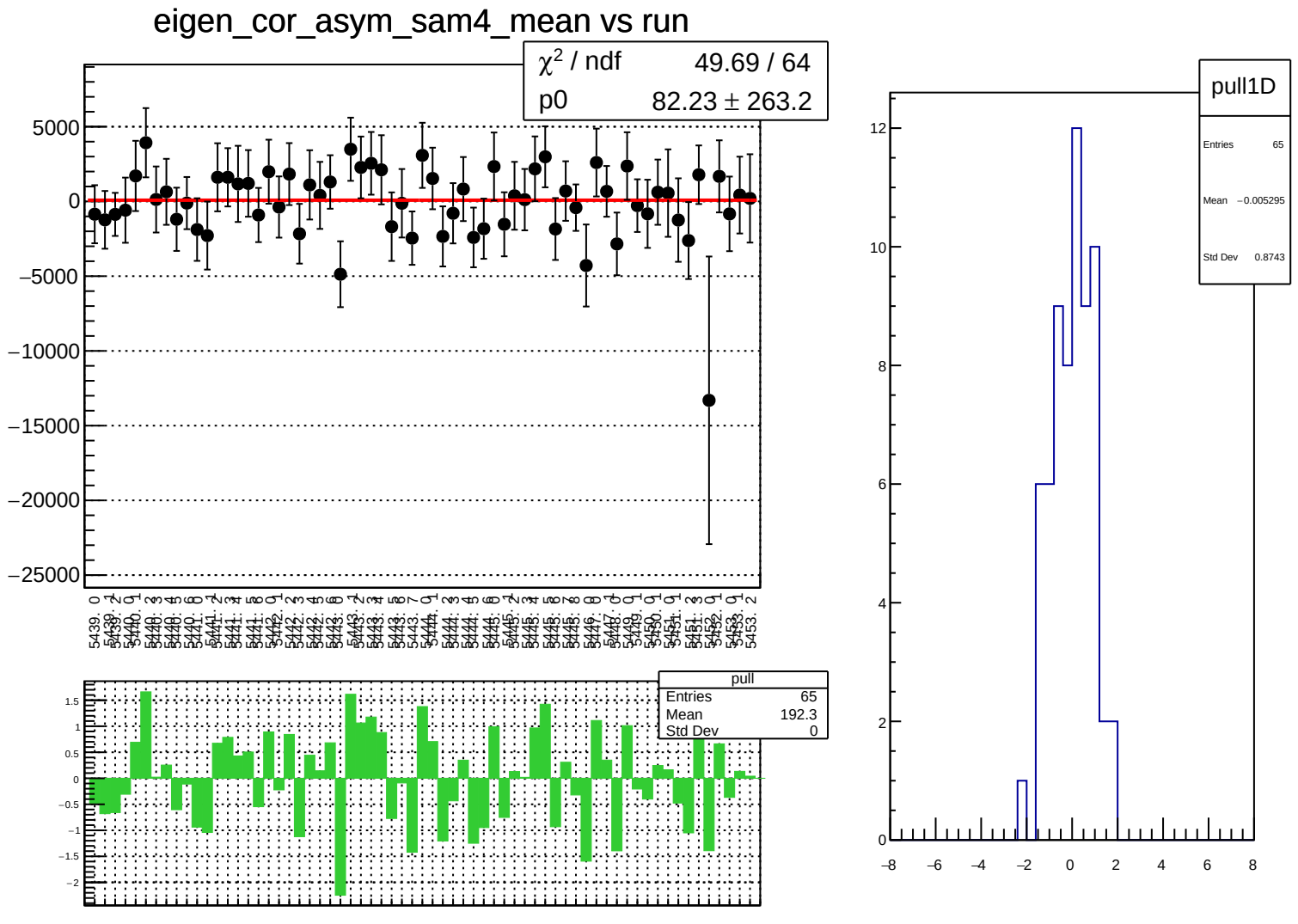

pull1D
Entries 65
Mean −0.005295
Std Dev 0.8743
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

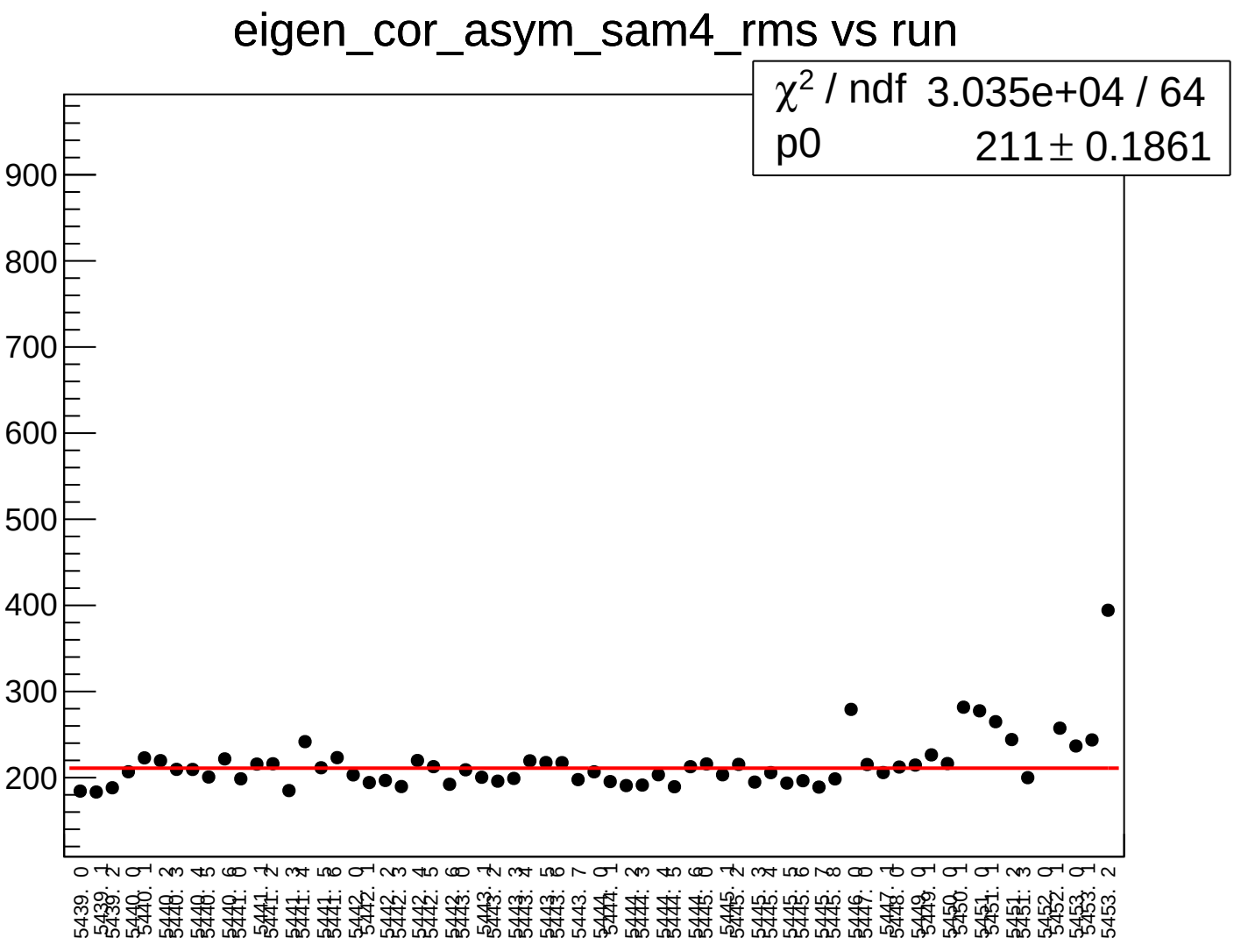

cor_asym_sam4_rms vs run
χ² / ndf 3.035e+04 / 64
p0 211 ± 0.1861
900
800
700
600
500
400
300
200

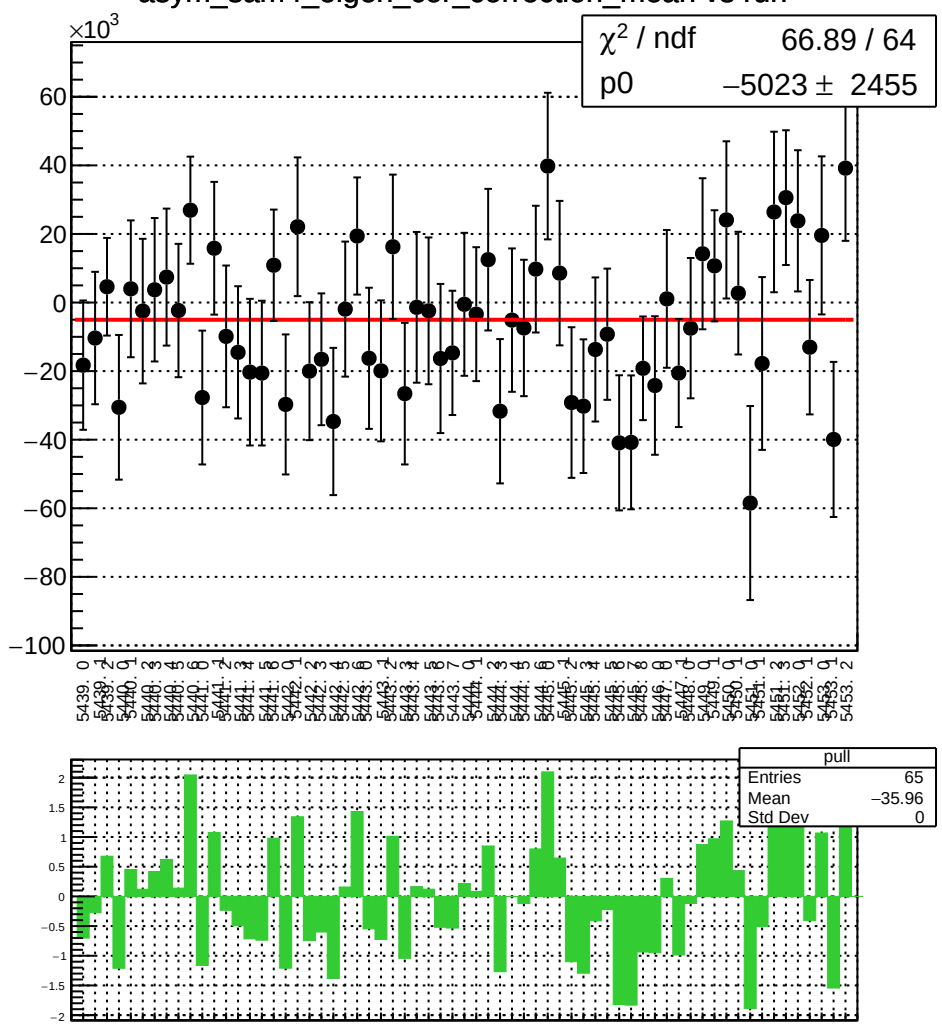

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 66.89 / 64
p0 −5023 ± 2455
pull
Entries 65
Mean −35.96
Std Dev 0

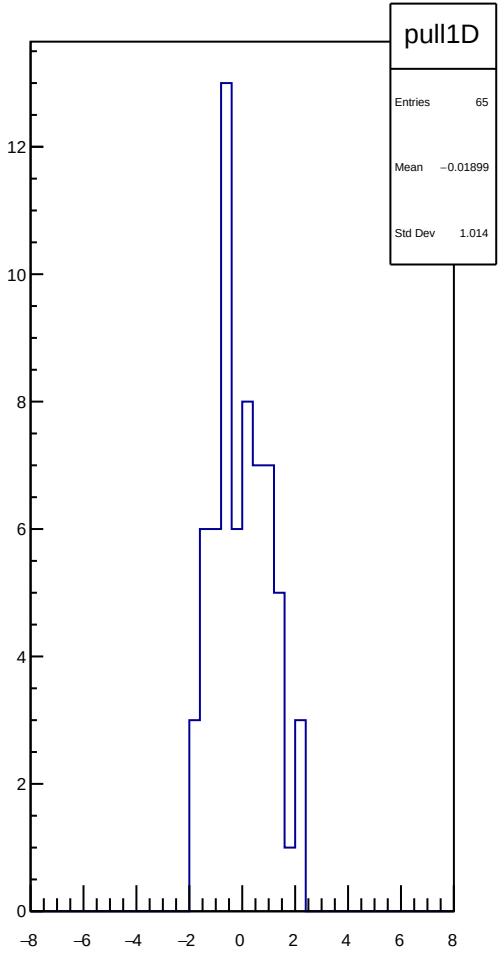

pull1D
Entries 65
Mean −0.01899
Std Dev 1.014

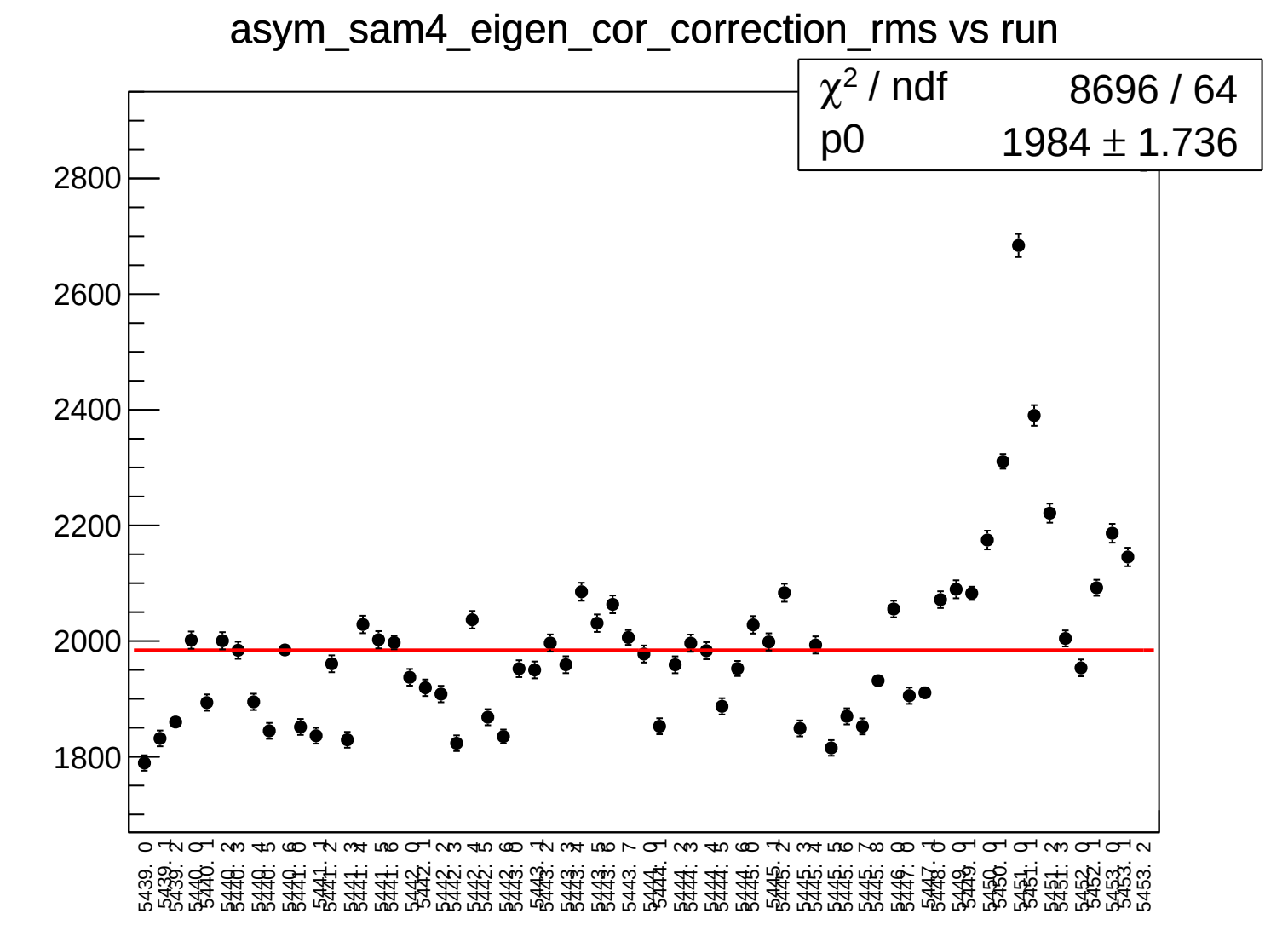

asym_sam4_cor_correction_rms vs run
χ² / ndf 8696 / 64
p0 1984 ± 1.736
2800
2600
2400
2200
2000
1800

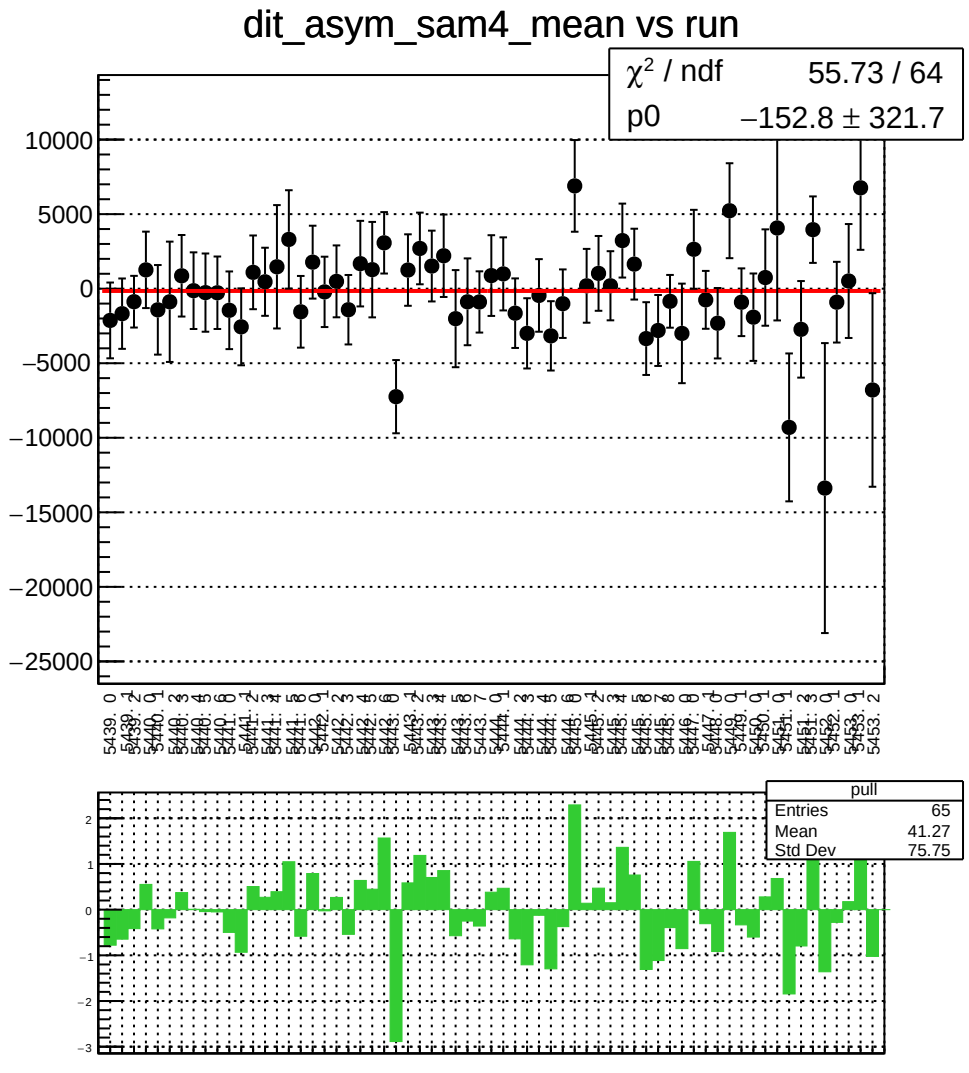

eigen_cor_asym_sam4_mean vs run
χ² / ndf 49.69 / 64
p0 82.23 ± 263.2
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 65
Mean 192.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 65
Mean −0.005295
Std Dev 0.8743
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

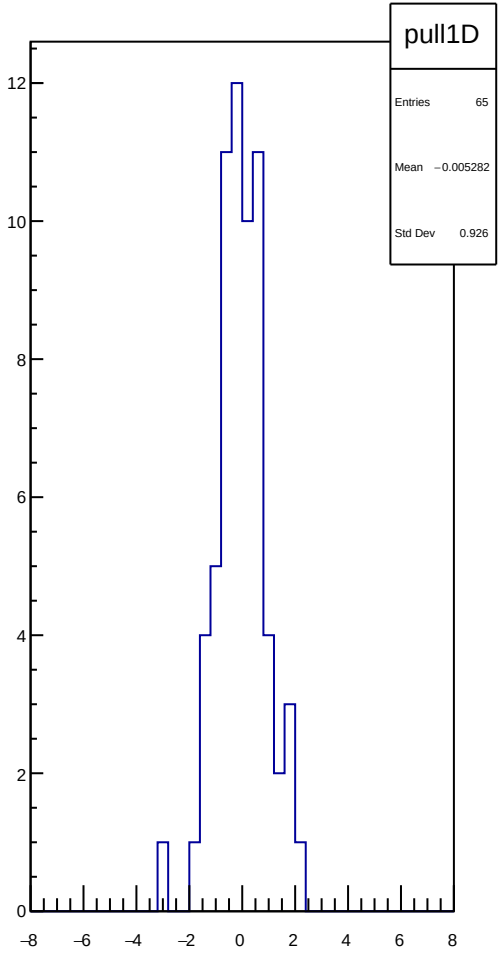

eigen_cor_asym_sam4_rms vs run
χ² / ndf 3.035e+04 / 64
p0 211 ± 0.1861
900
800
700
600
500
400
300
200

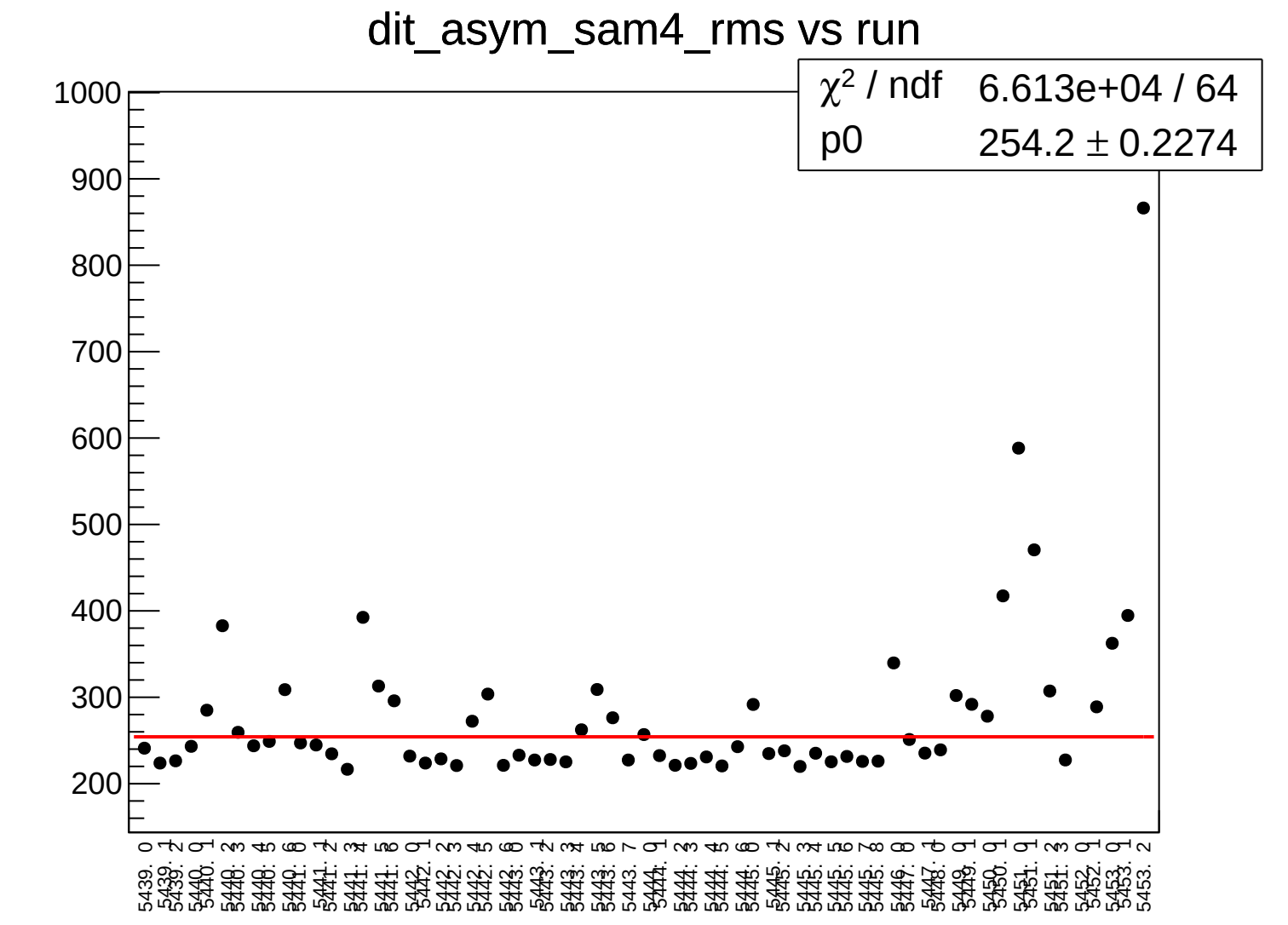

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 66.89 / 64
p0 −5023 ± 2455
pull
Entries 65
Mean −35.96
Std Dev 0

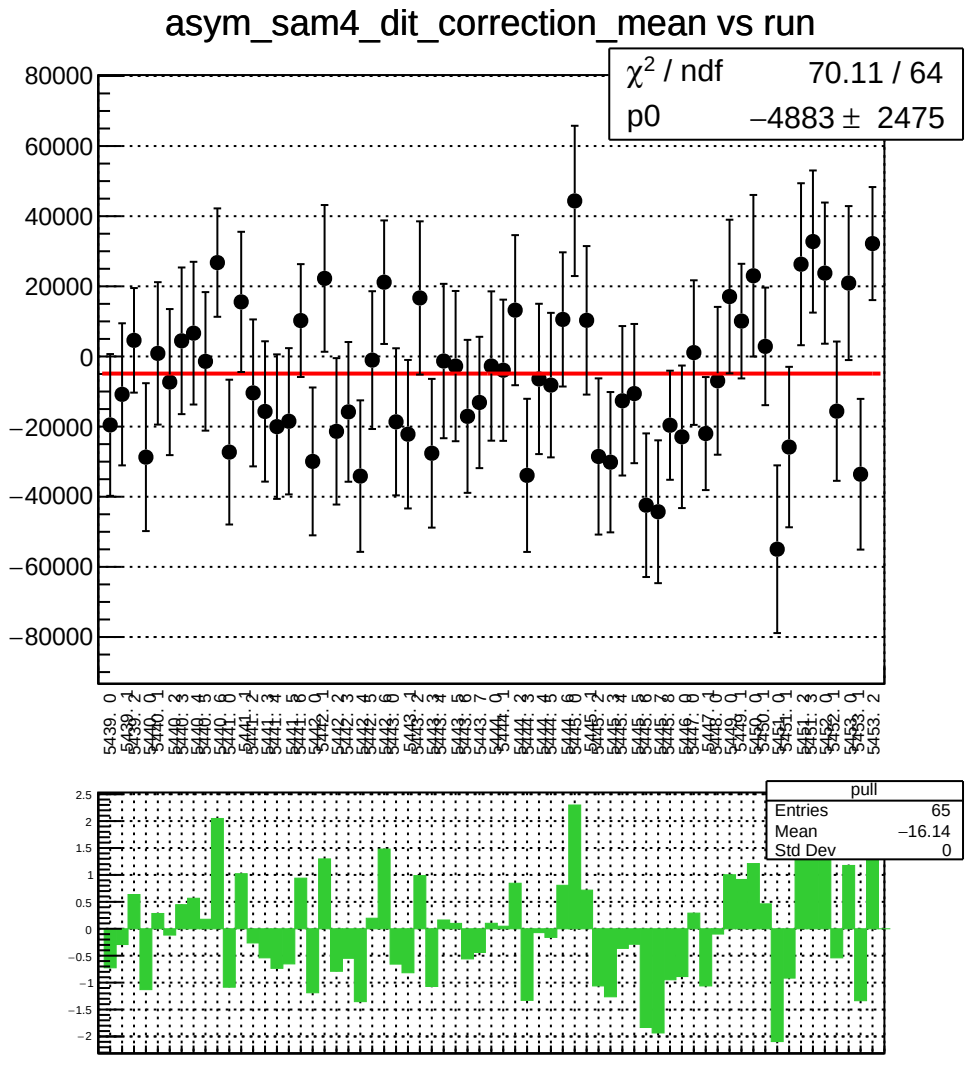

pull1D
Entries 65
Mean −0.01899
Std Dev 1.014

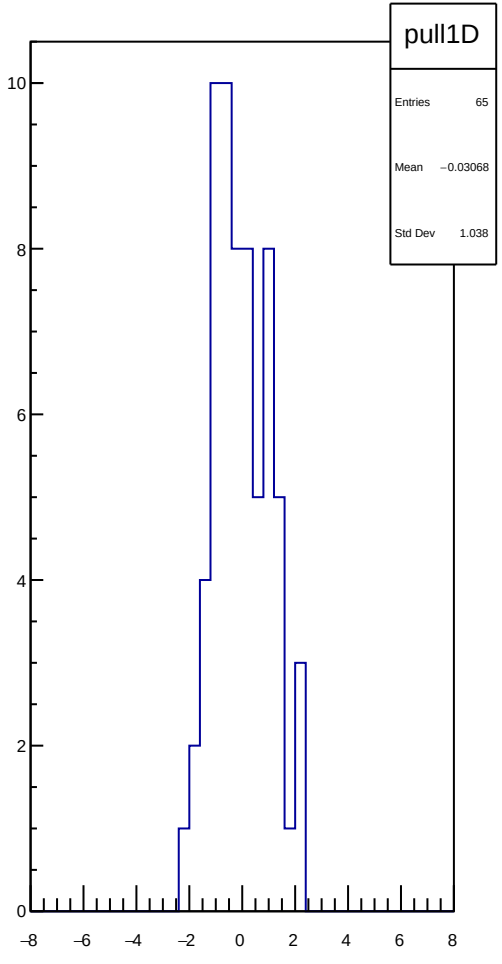

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 8696 / 64
p0 1984 ± 1.736
2800
2600
2400
2200
2000
1800

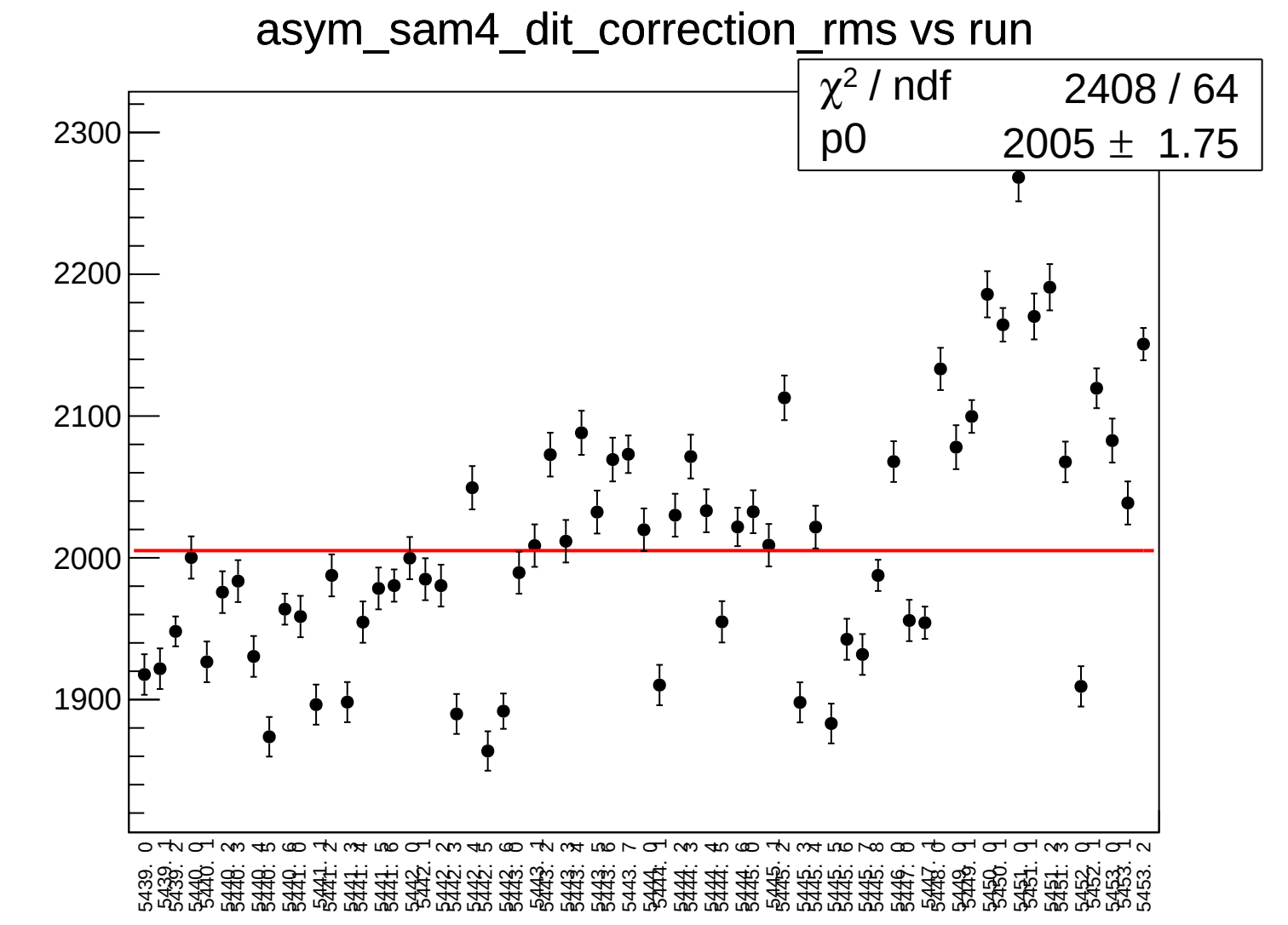

dit_asym_sam4_mean vs run
χ² / ndf 55.73 / 64
p0 −152.8 ± 321.7
pull
Entries 65
Mean 41.27
Std Dev 75.75

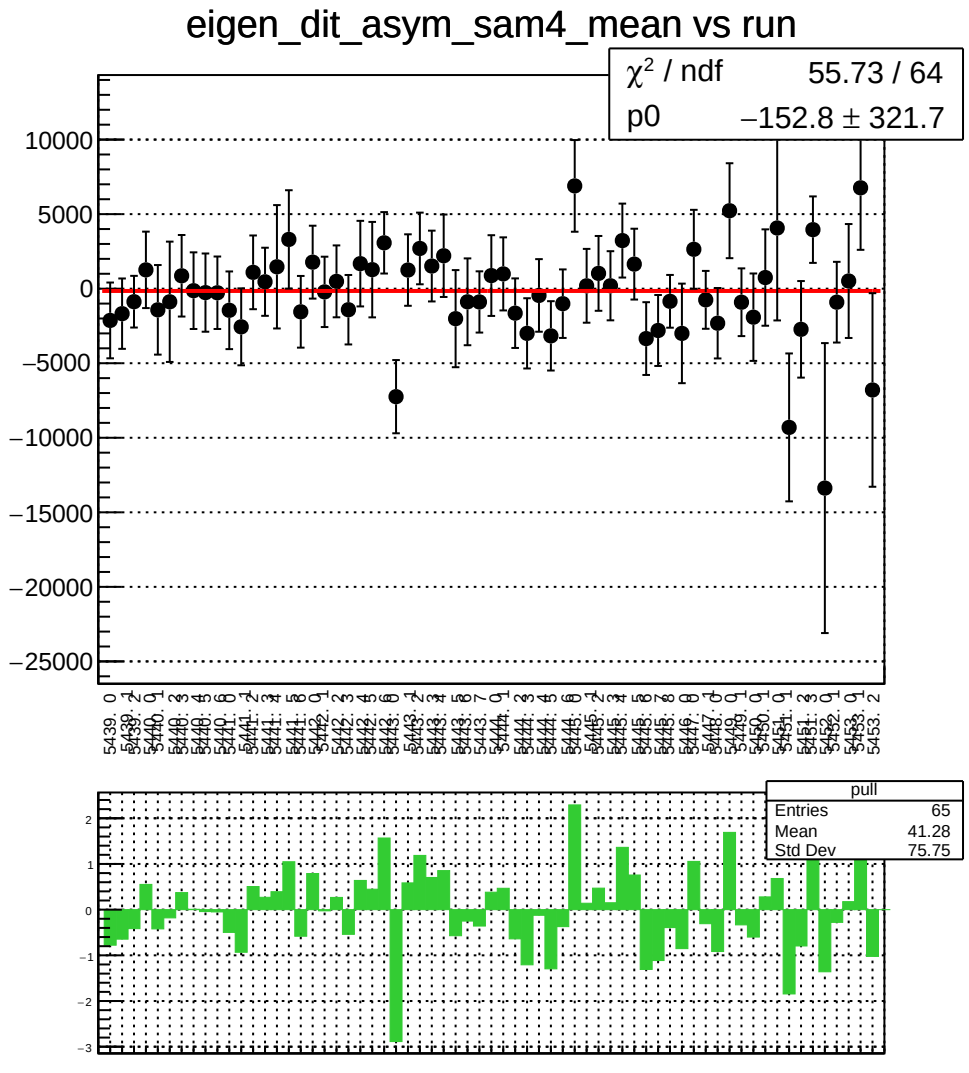

pull1D
Entries 65
Mean −0.005282
Std Dev 0.926

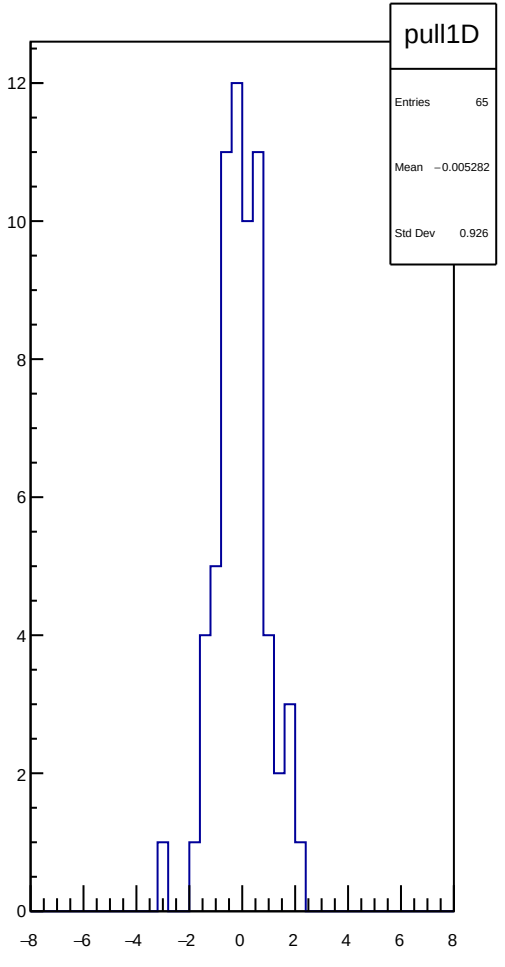

dit_asym_sam4_rms vs run
χ² / ndf 6.613e+04 / 64
p0 254.2 ± 0.2274
1000
900
800
700
600
500
400
300
200

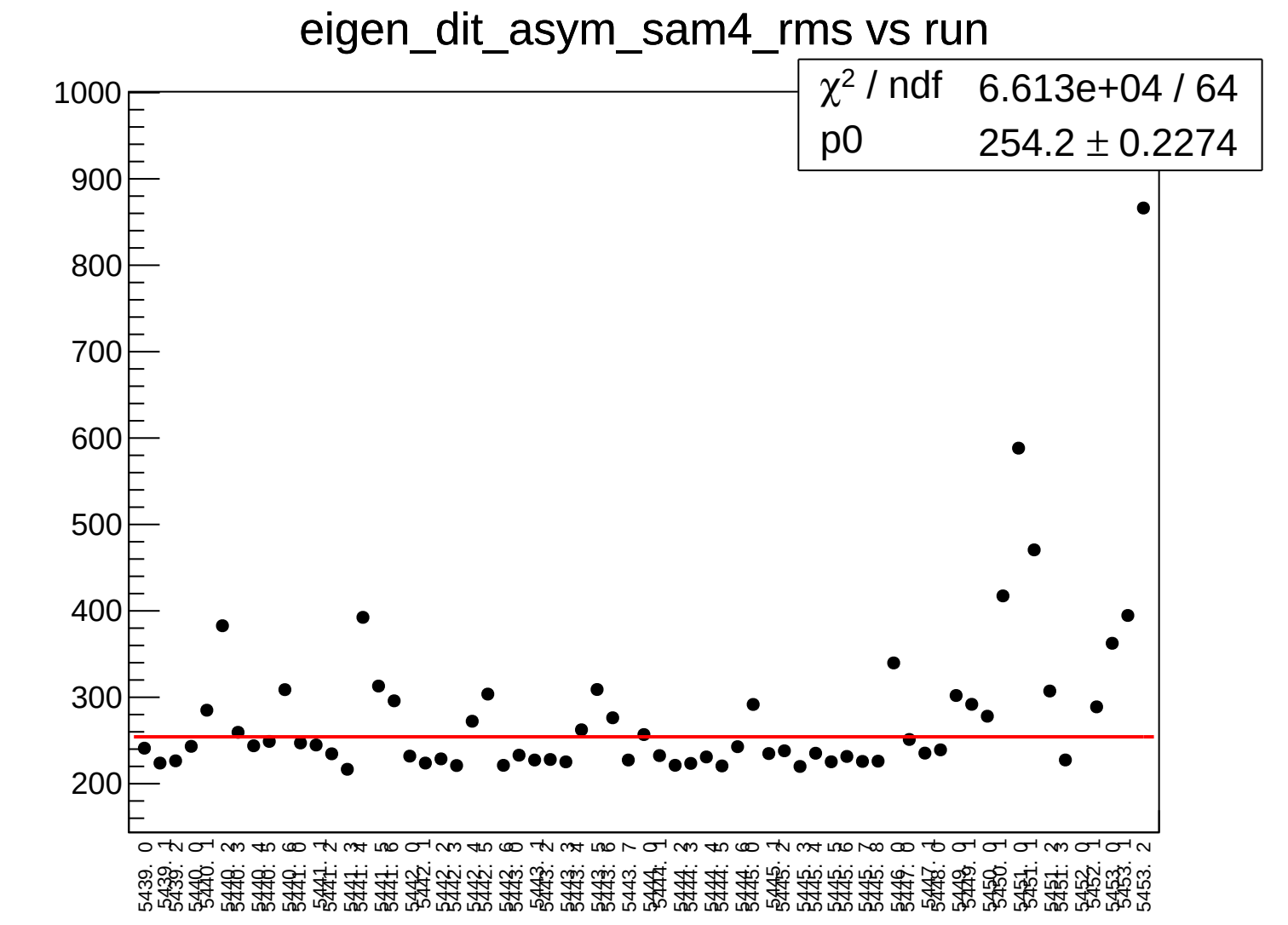

asym_sam4_dit_correction_mean vs run
χ² / ndf 70.11 / 64
p0 −4883 ± 2475
pull
Entries 65
Mean −16.14
Std Dev 0

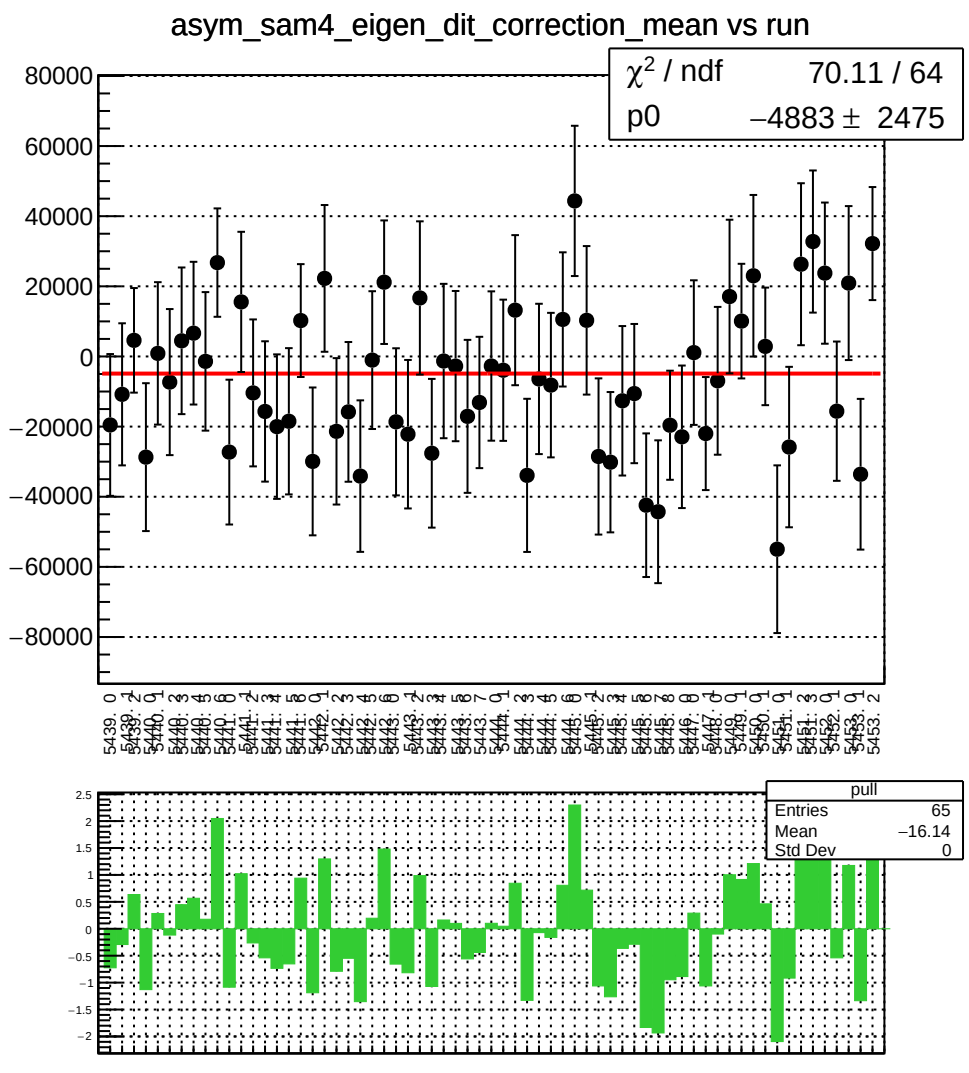

pull1D
Entries 65
Mean −0.03068
Std Dev 1.038

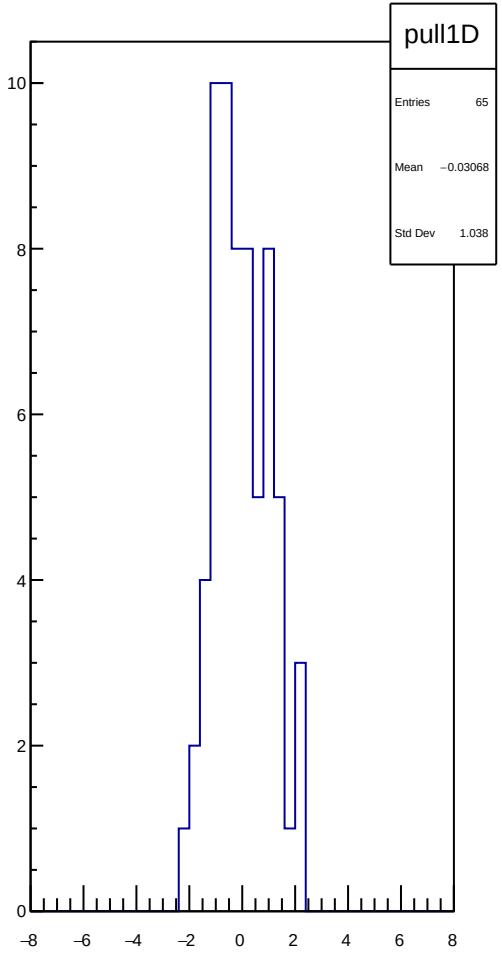

asym_sam4_dit_correction_rms vs run
χ² / ndf 2408 / 64
p0 2005 ± 1.75
2300
2200
2100
2000
1900

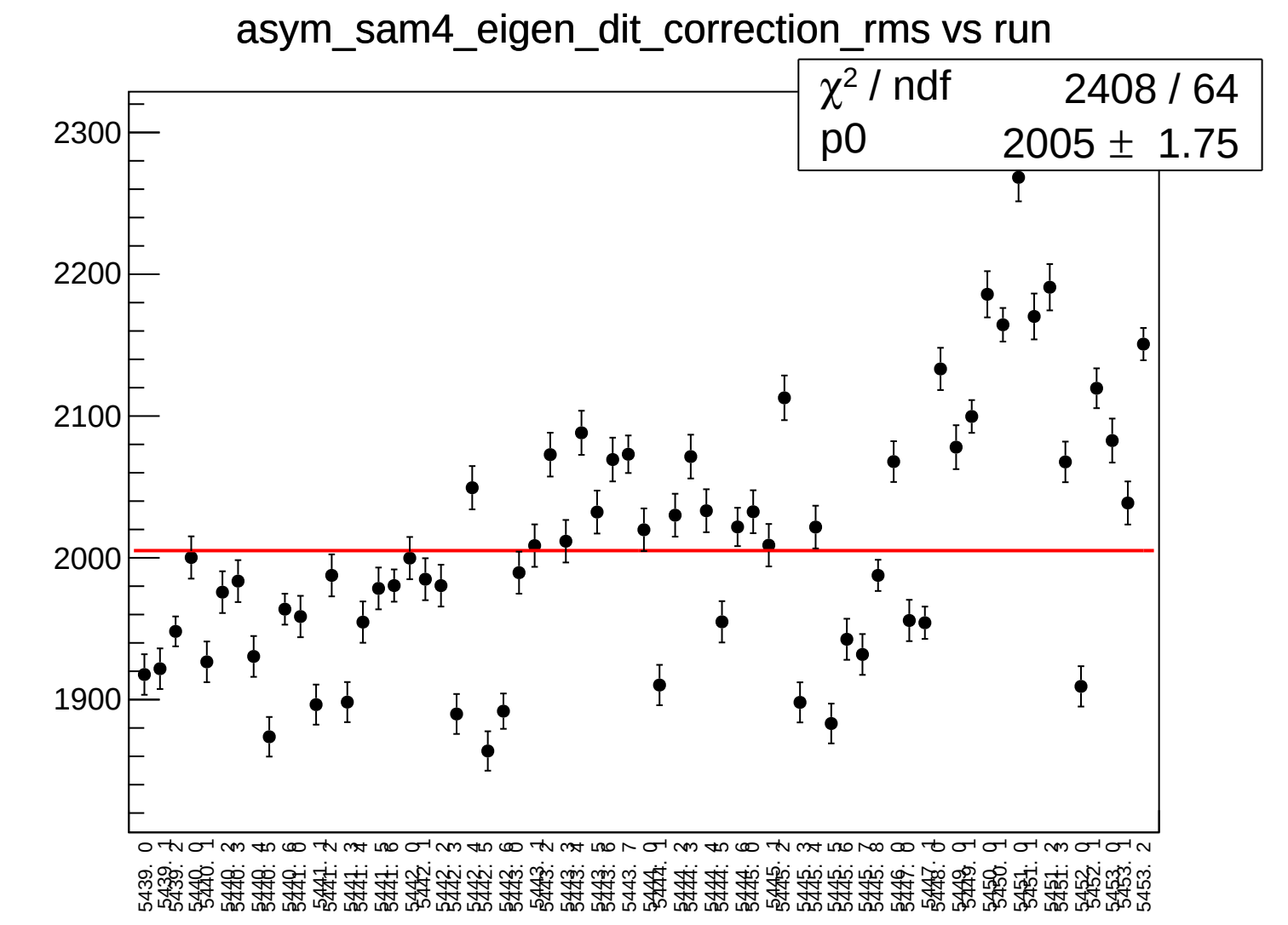

eigen_dit_asym_sam4_mean vs run
χ² / ndf 55.73 / 64
p0 −152.8 ± 321.7
pull
Entries 65
Mean 41.28
Std Dev 75.75

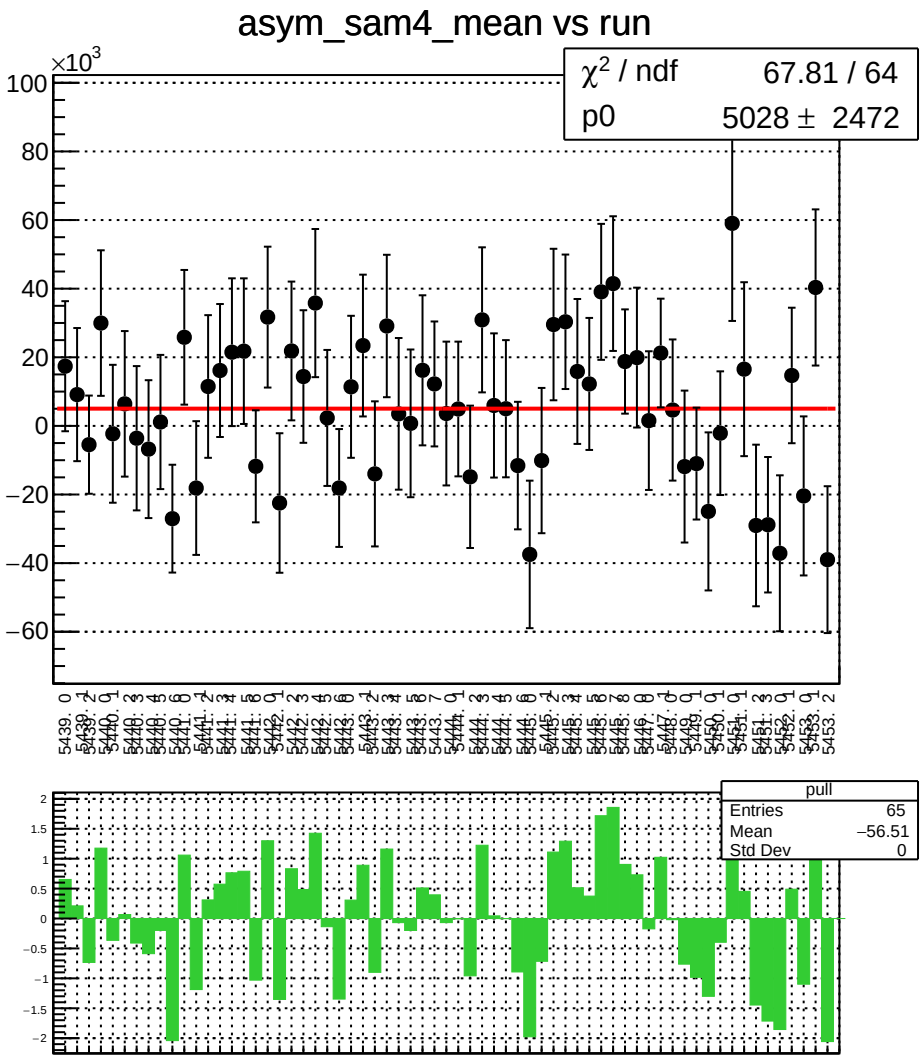

pull1D
Entries 65
Mean −0.005282
Std Dev 0.926

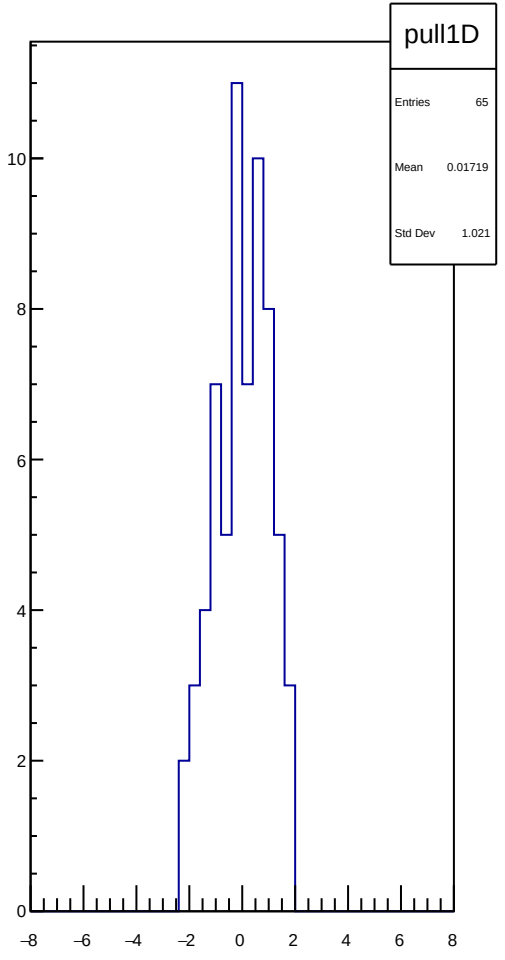

eigen_dit_asym_sam4_rms vs run
χ^2 / ndf 6.613e+04 / 64
p0 254.2 ± 0.2274
1000
900
800
700
600
500
400
300
200

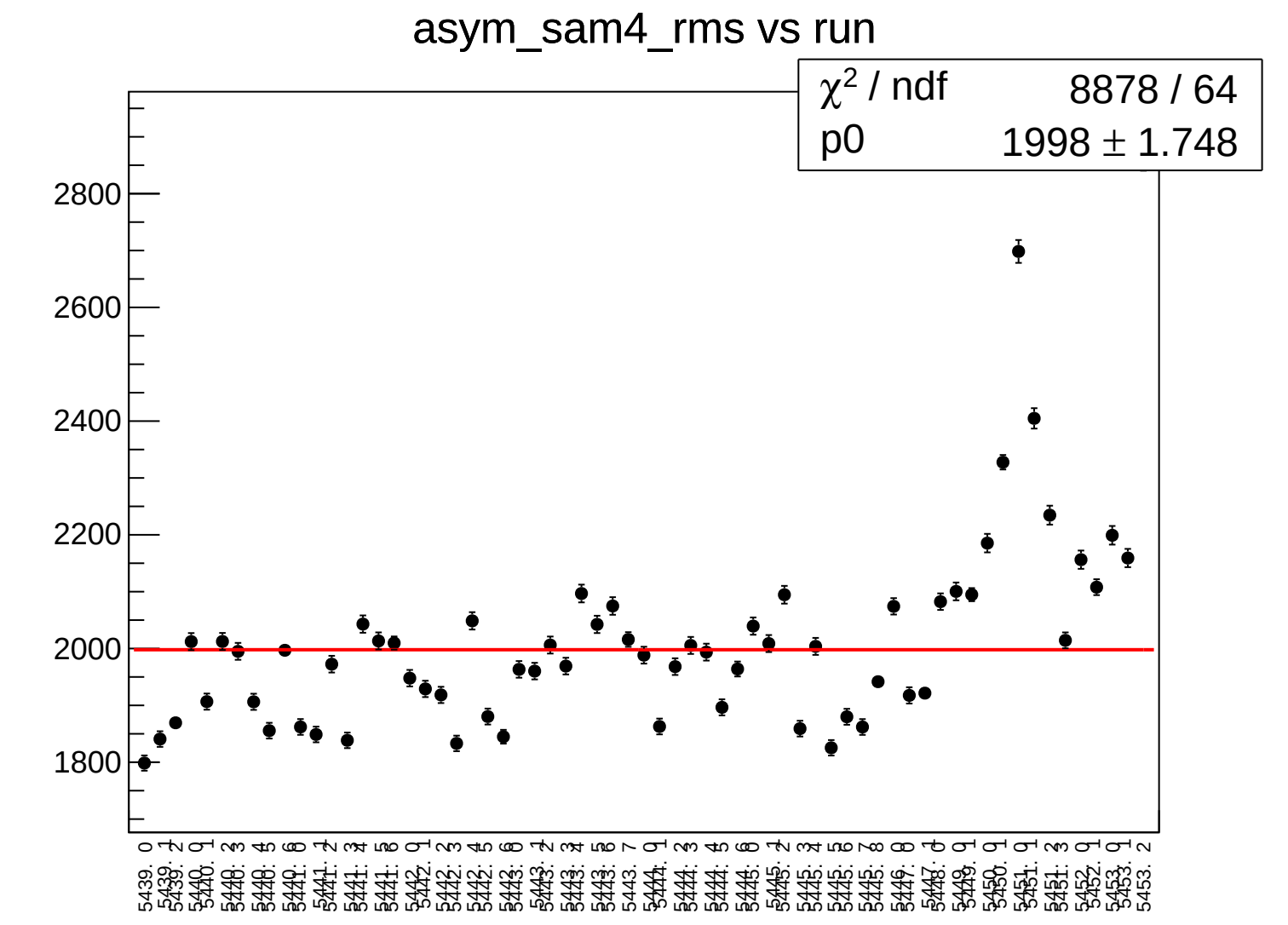

asym_sam4_eigen_dit_correction_mean vs run
χ² / ndf 70.11 / 64
p0 −4883 ± 2475
pull
Entries 65
Mean −16.14
Std Dev 0

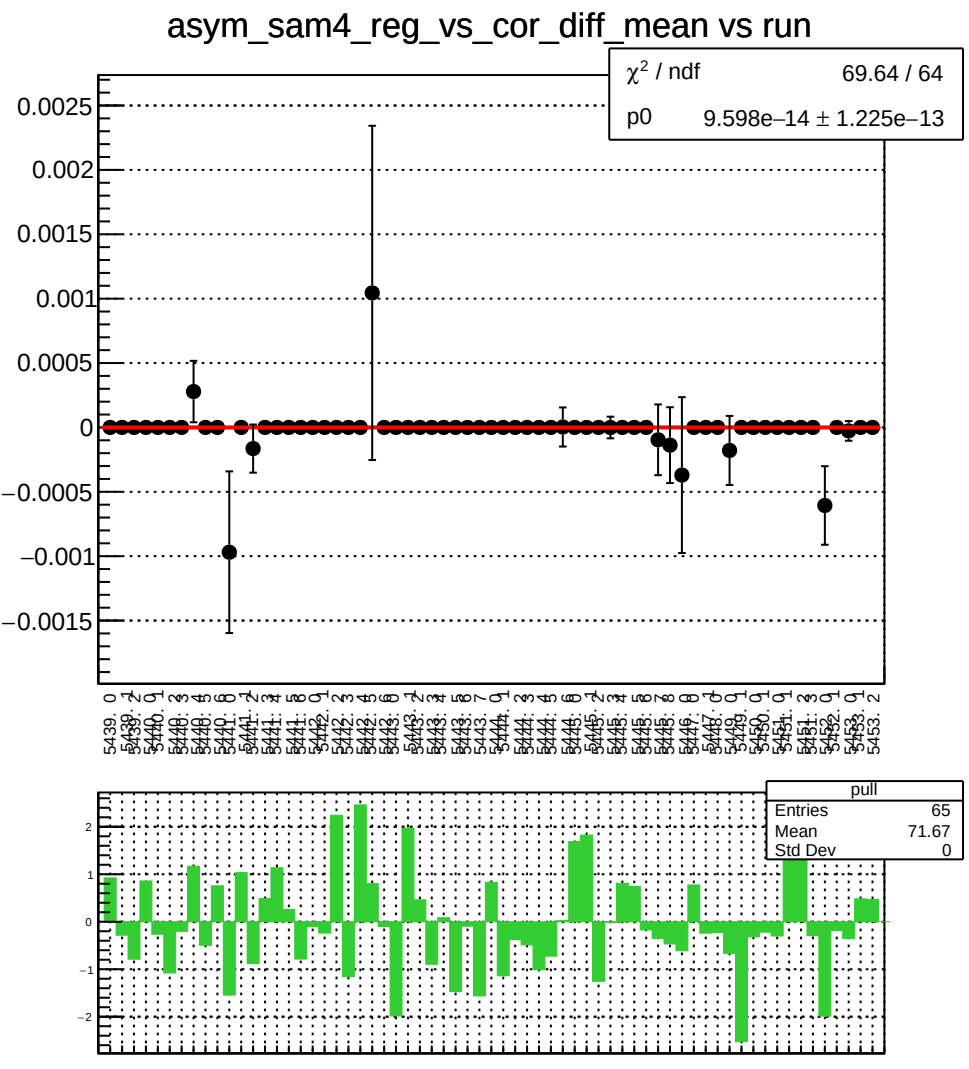

pull1D
Entries 65
Mean −0.03068
Std Dev 1.038

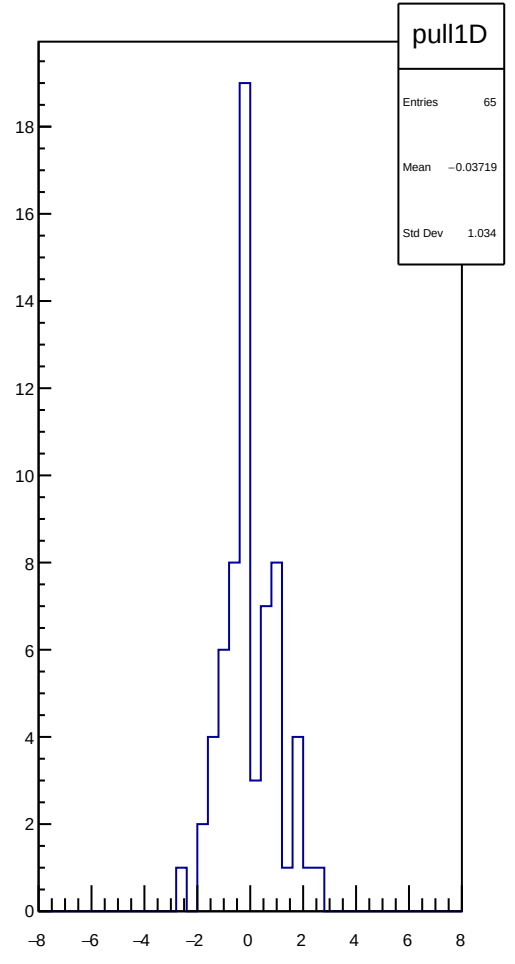

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 2408 / 64
p0 2005 ± 1.75
2300
2200
2100
2000
1900

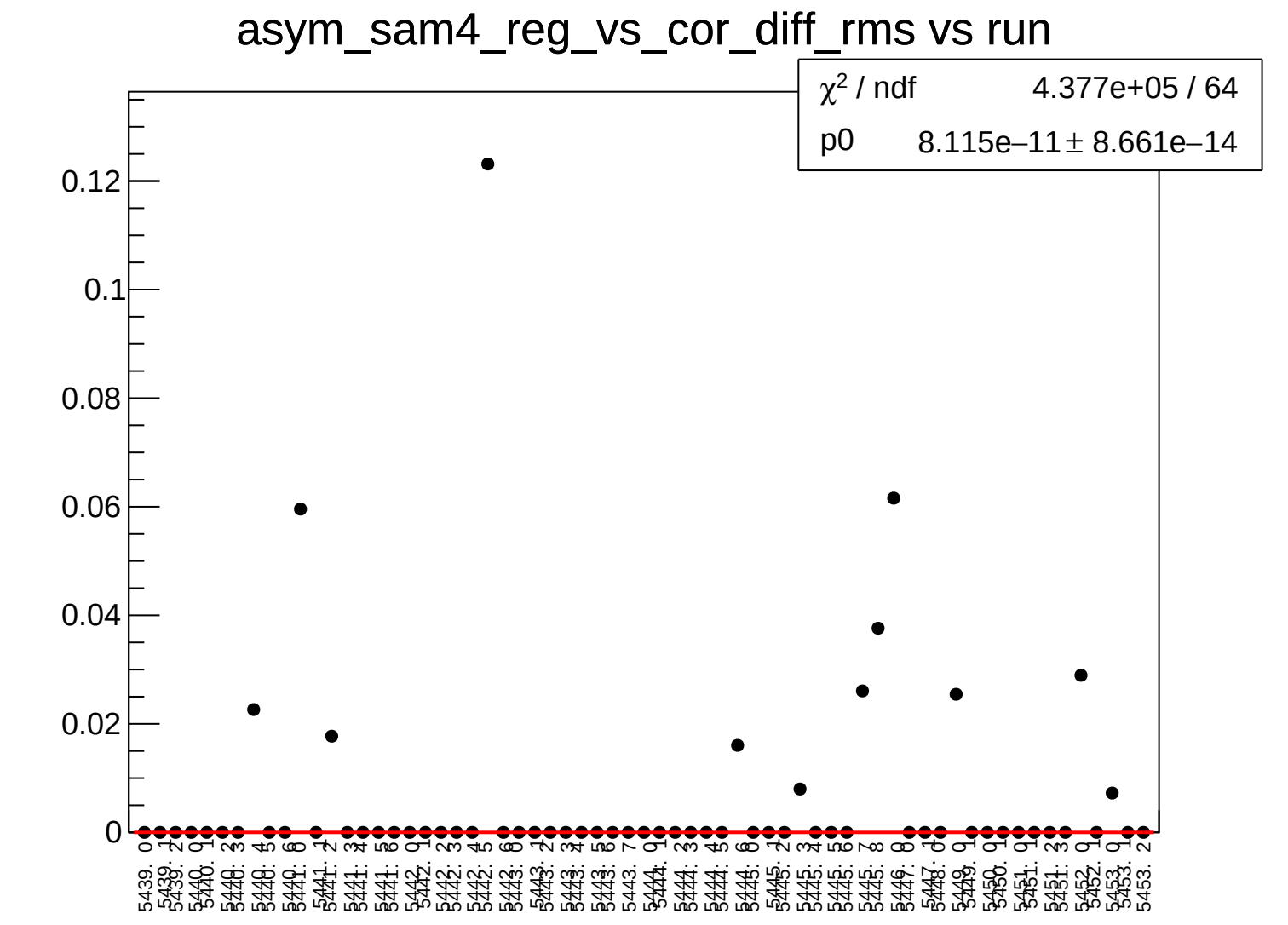

asym_sam4_mean vs run
×10^3
χ² / ndf 67.81 / 64
p0 5028 ± 2472
pull
Entries 65
Mean −56.51
Std Dev 0

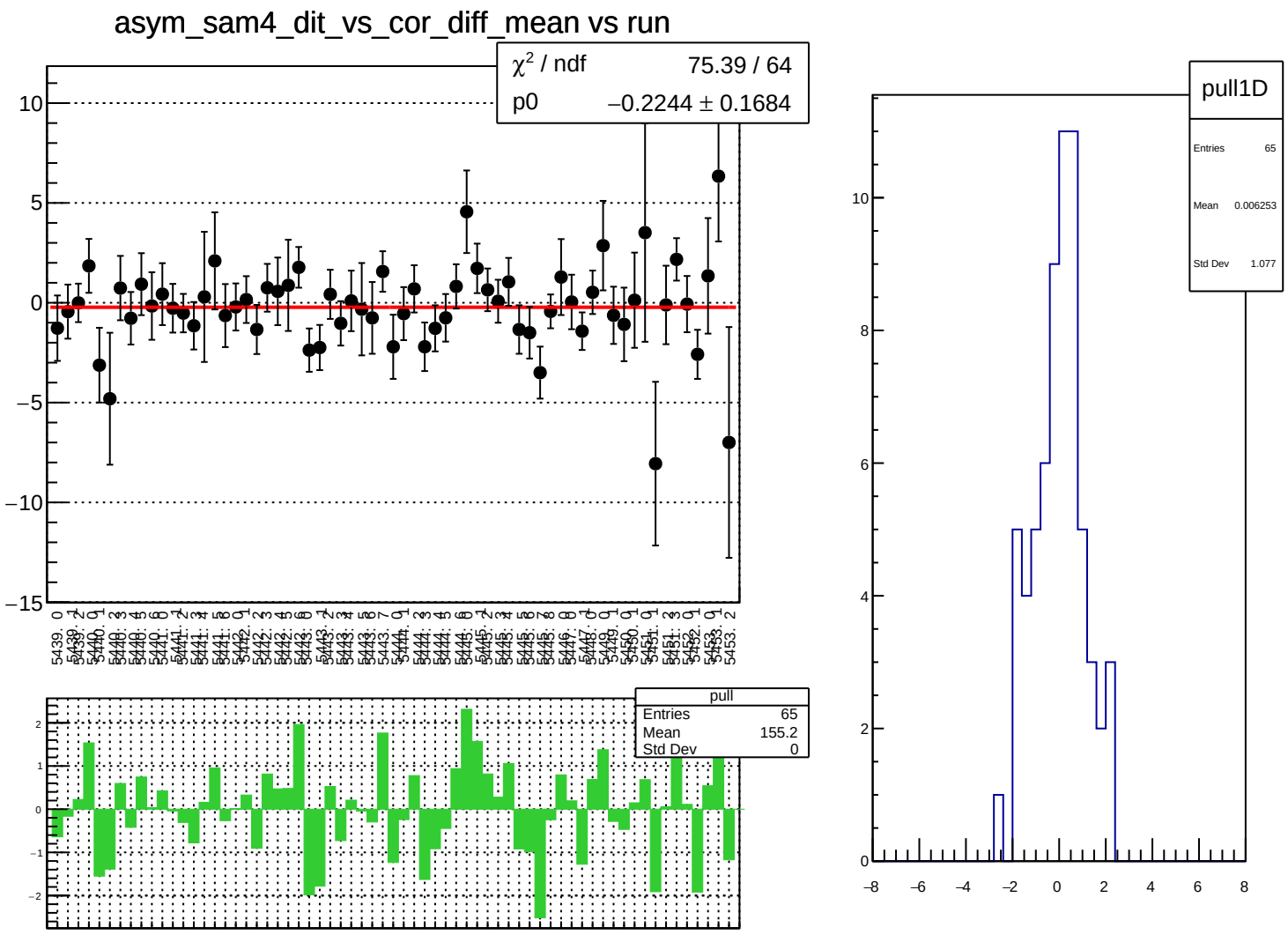

pull1D
Entries 65
Mean 0.01719
Std Dev 1.021

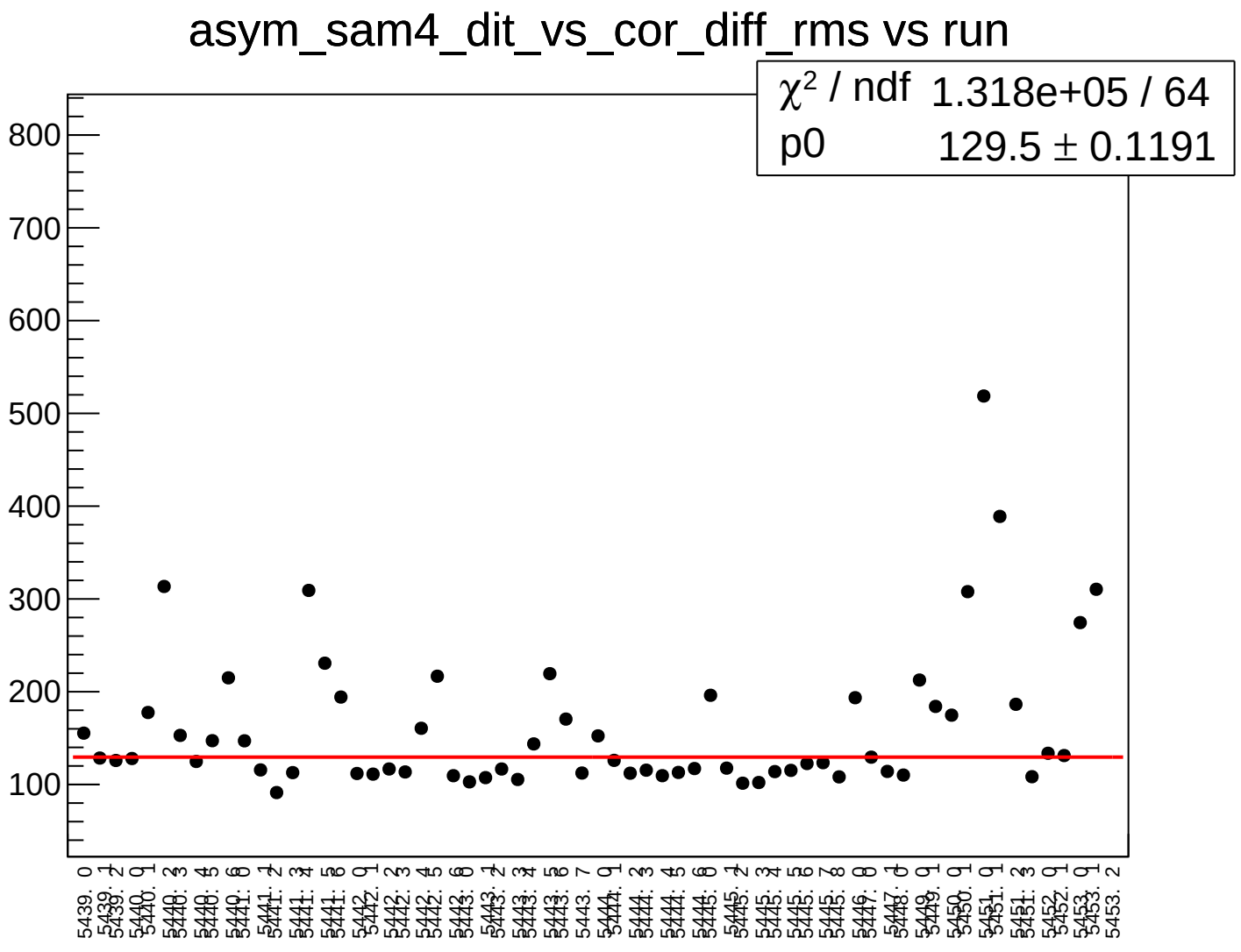

asym_sam4_rms vs run
χ² / ndf 8878 / 64
p0 1998 ± 1.748
2800
2600
2400
2200
2000
1800

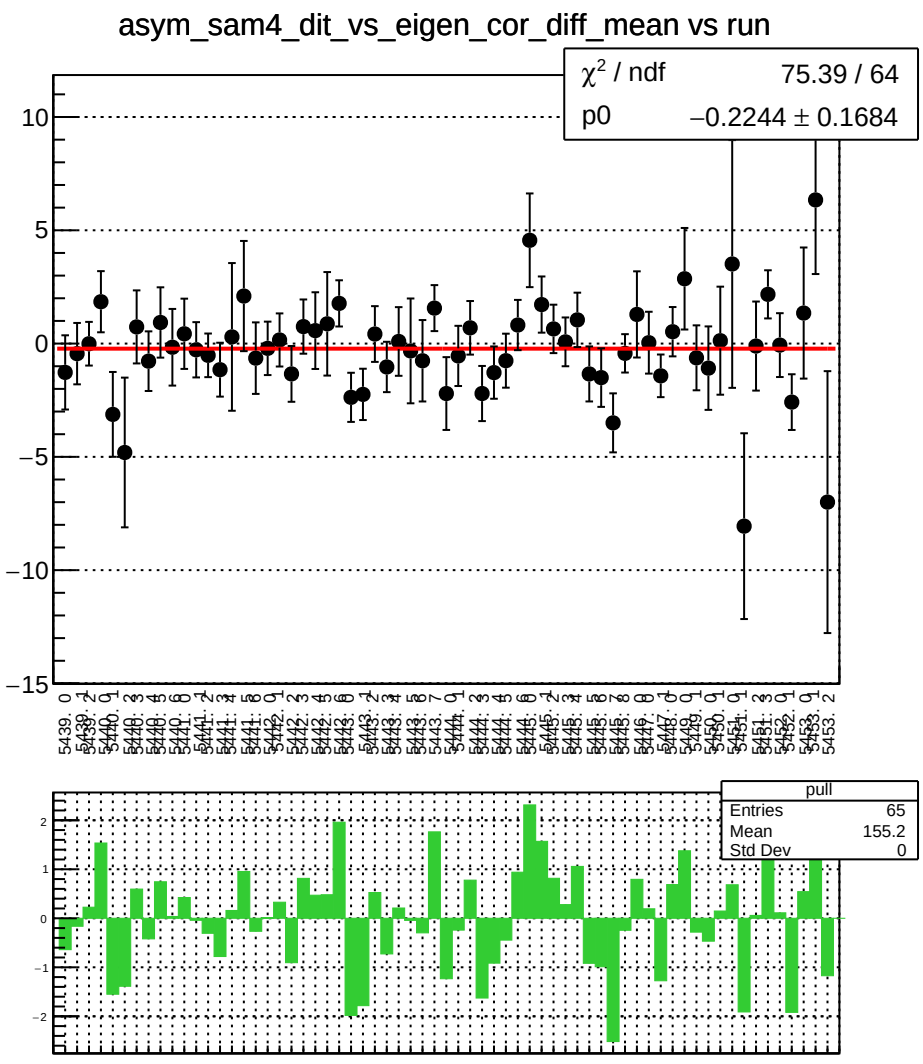

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 69.64 / 64
p0 9.598e−14 ± 1.225e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 71.67
Std Dev 0
2
1
0
−1
−2

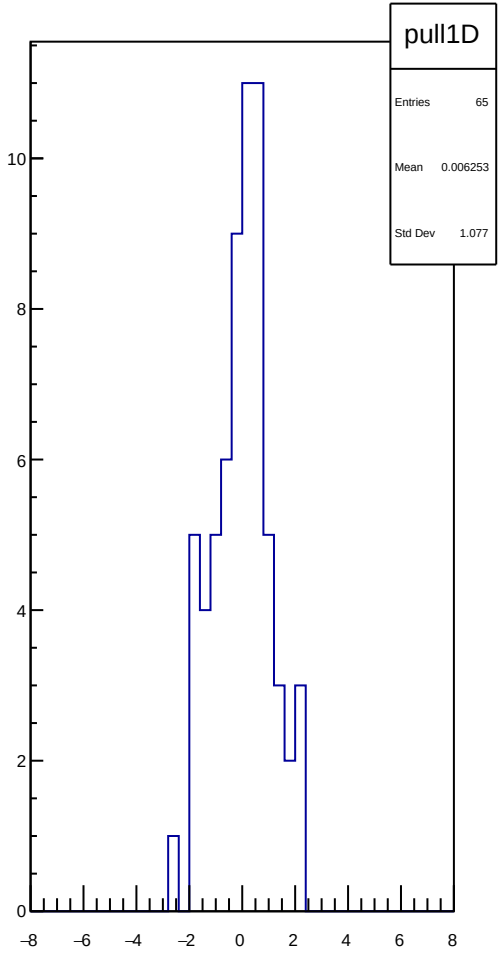

pull1D
Entries 65
Mean −0.03719
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

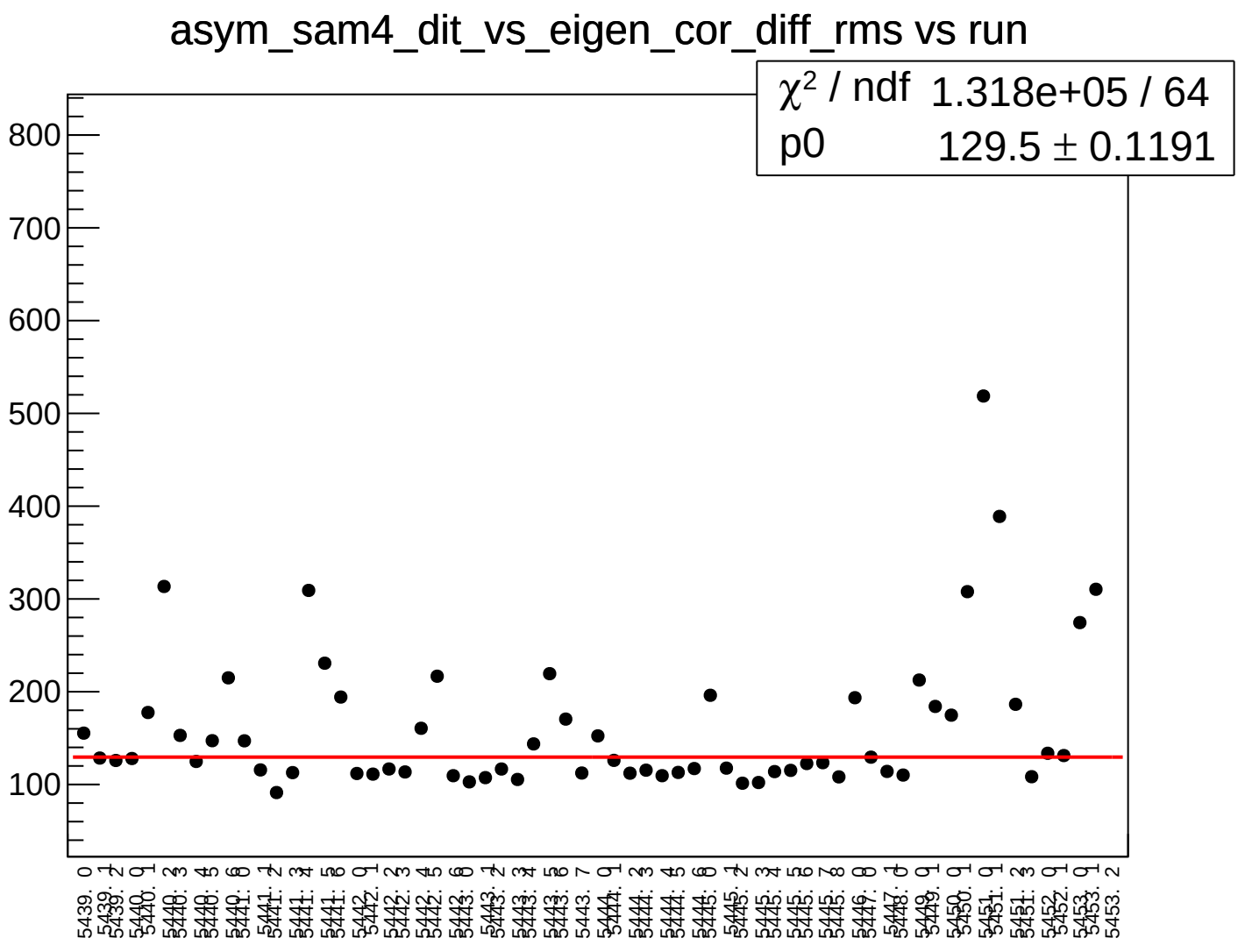

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 4.377e+05 / 64
p0 8.115e−11 ± 8.661e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

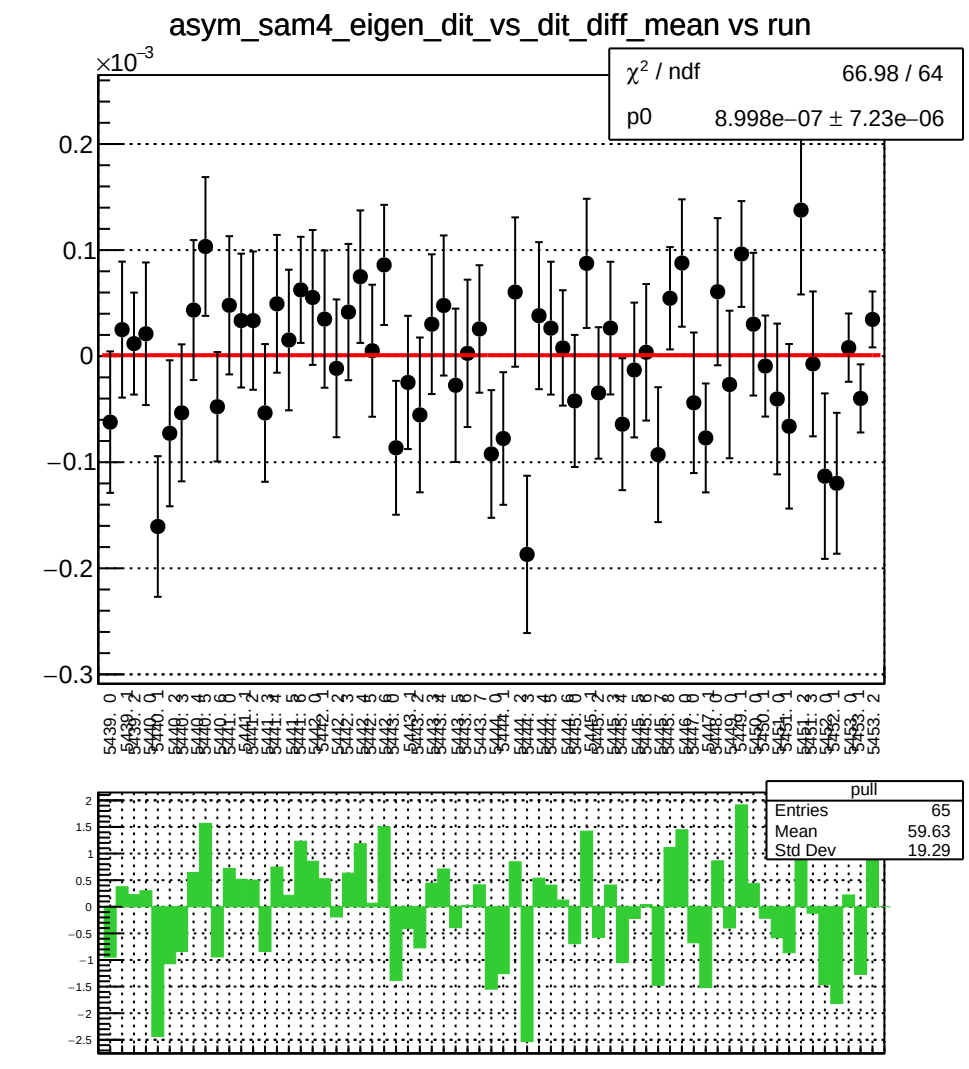

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 75.39 / 64
p0 −0.2244 ± 0.1684
pull
Entries 65
Mean 155.2
Std Dev 0
pull1D
Entries 65
Mean 0.006253
Std Dev 1.077

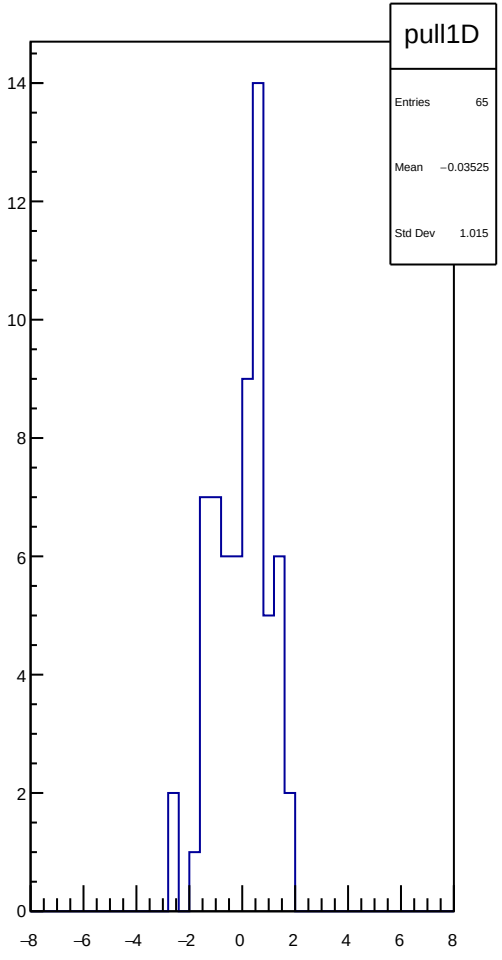

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.318e+05 / 64
p0 129.5 ± 0.1191
800
700
600
500
400
300
200
100

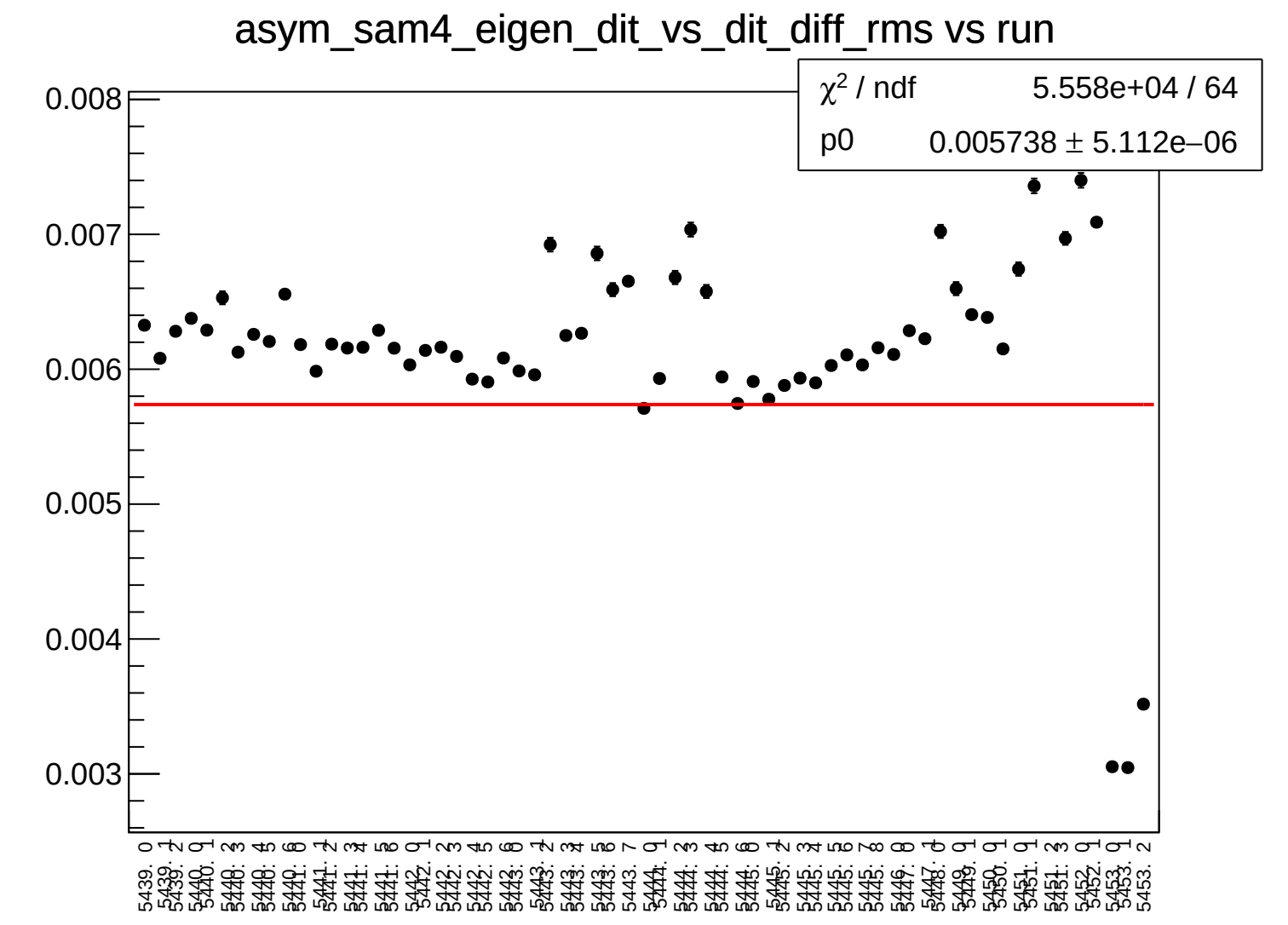

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.39 / 64
p0 −0.2244 ± 0.1684
pull
Entries 65
Mean 155.2
Std Dev 0

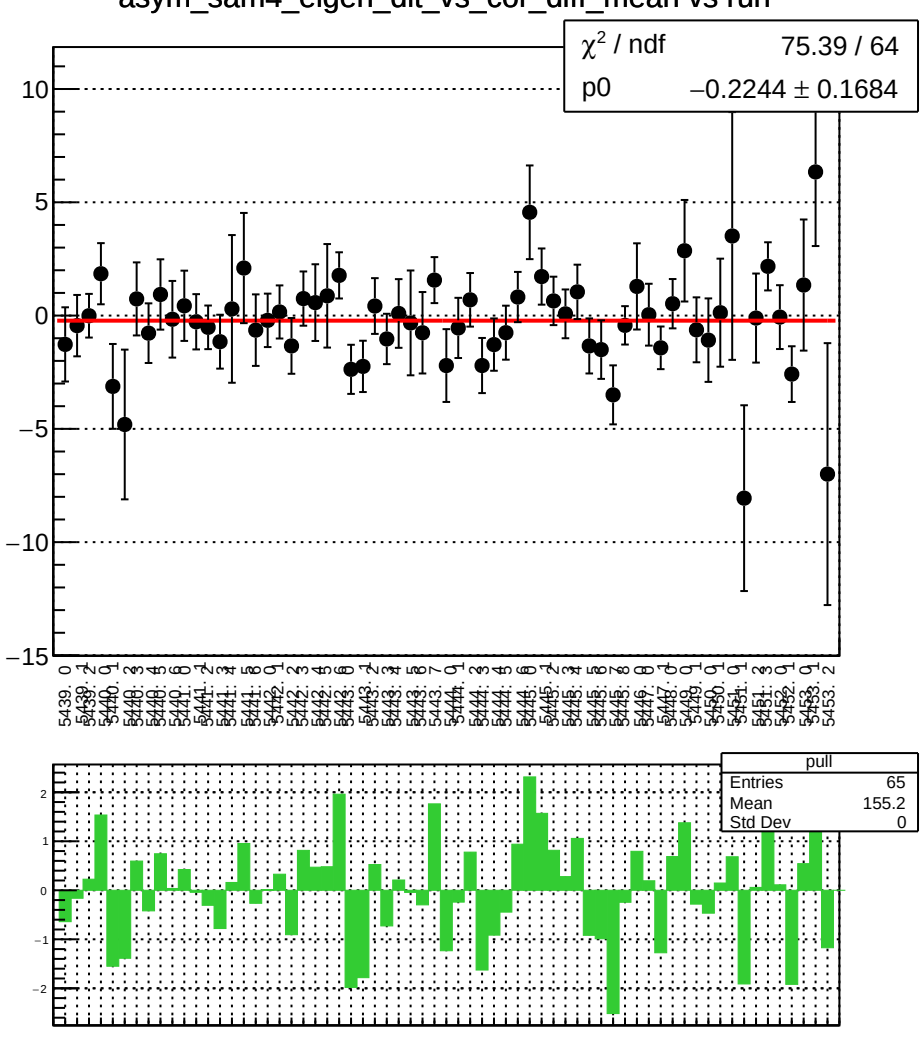

pull1D
Entries 65
Mean 0.006253
Std Dev 1.077

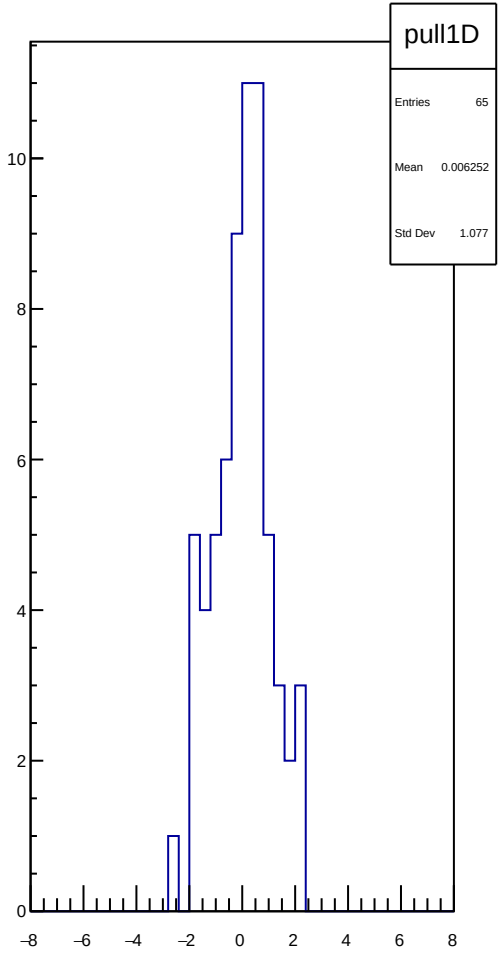

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.318e+05 / 64
p0 129.5 ± 0.1191
800
700
600
500
400
300
200
100

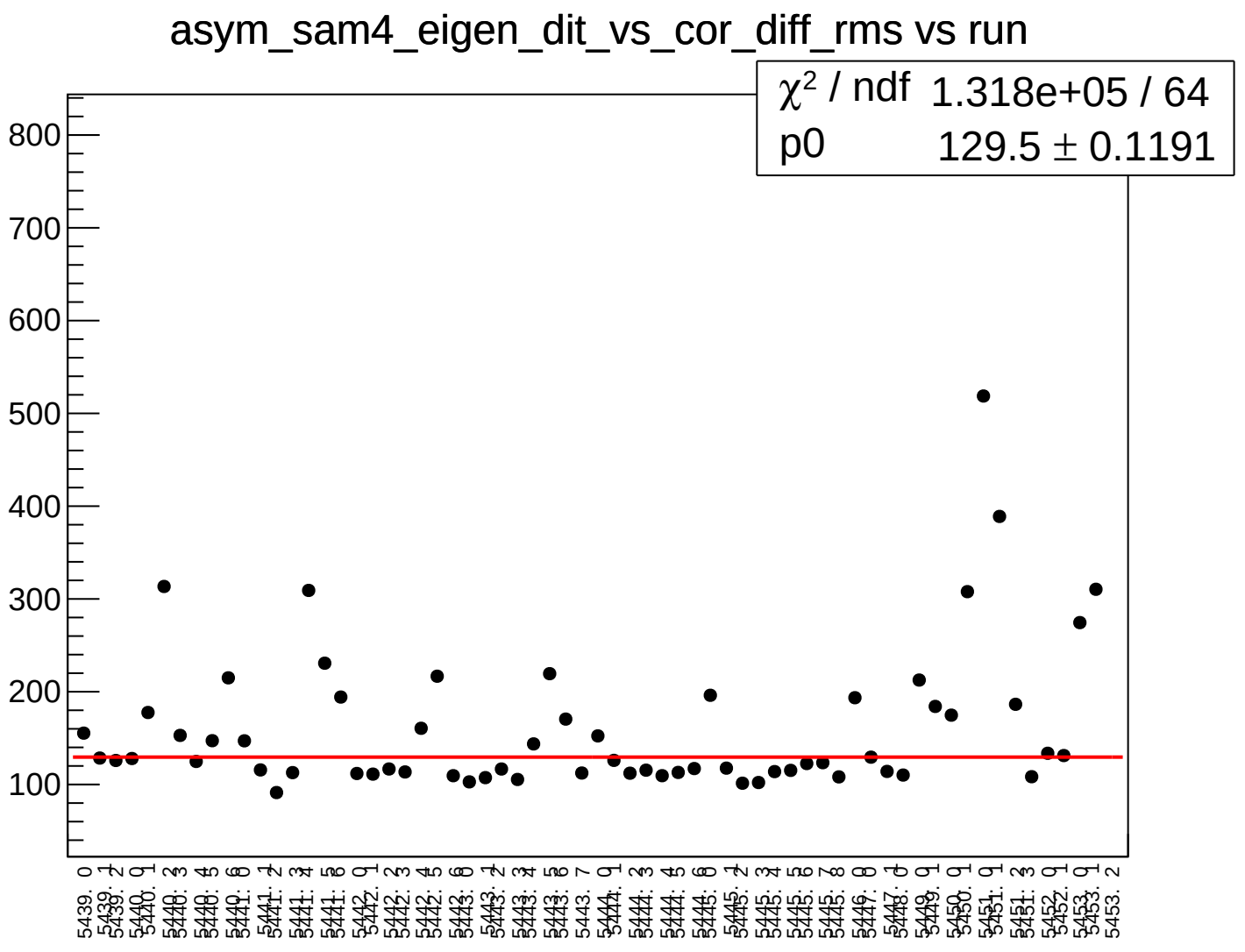

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.98 / 64
p0 8.998e−07 ± 7.23e−06
pull
Entries 65
Mean 59.63
Std Dev 19.29

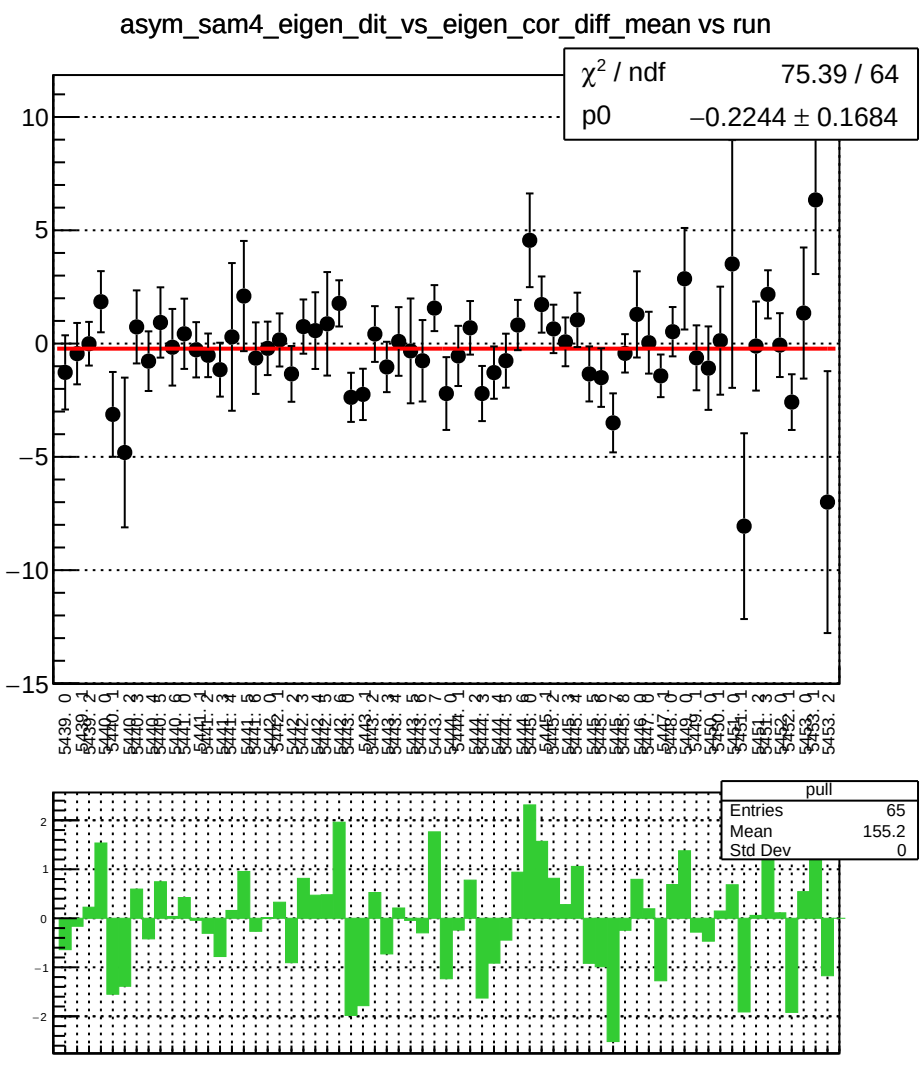

pull1D
Entries 65
Mean −0.03525
Std Dev 1.015

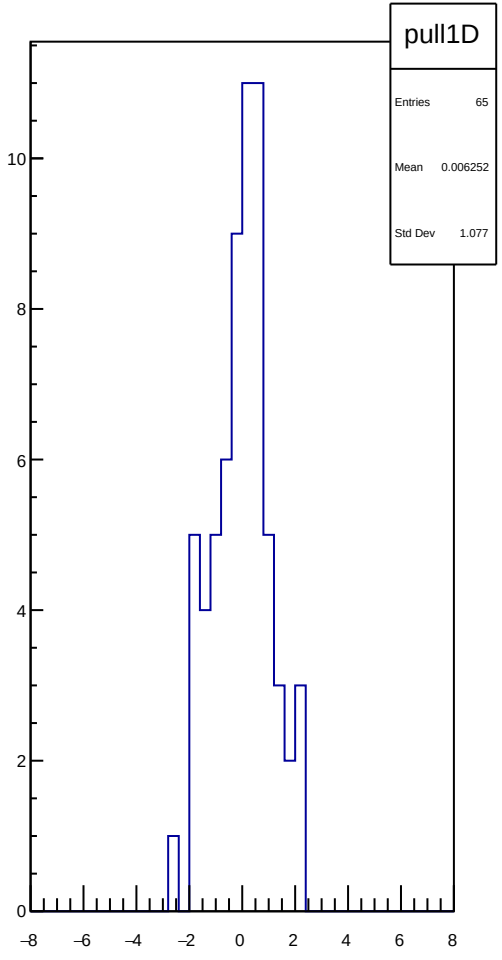

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.558e+04 / 64
p0 0.005738 ± 5.112e−06
0.008
0.007
0.006
0.005
0.004
0.003

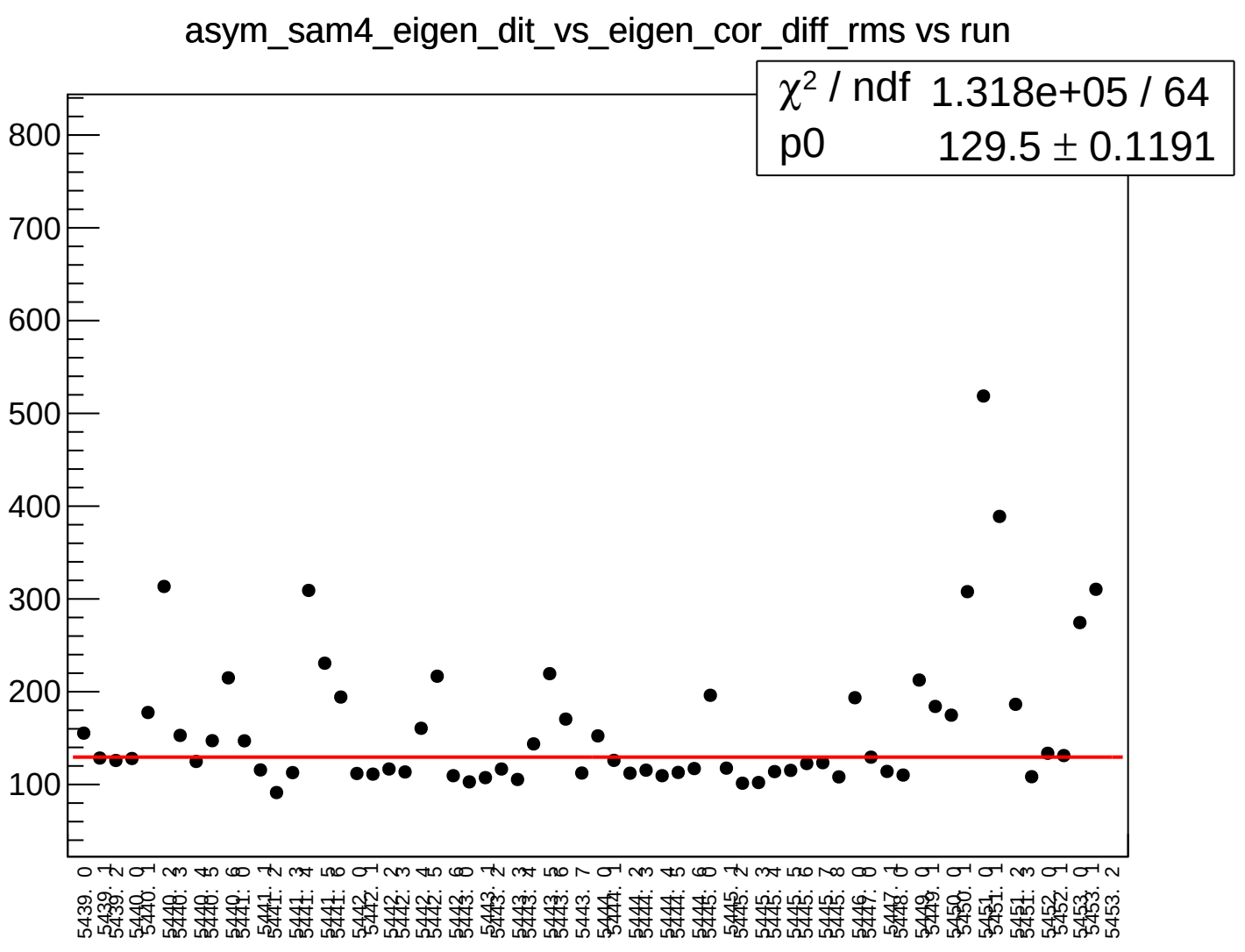

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.39 / 64
p0 −0.2244 ± 0.1684
pull
Entries 65
Mean 155.2
Std Dev 0

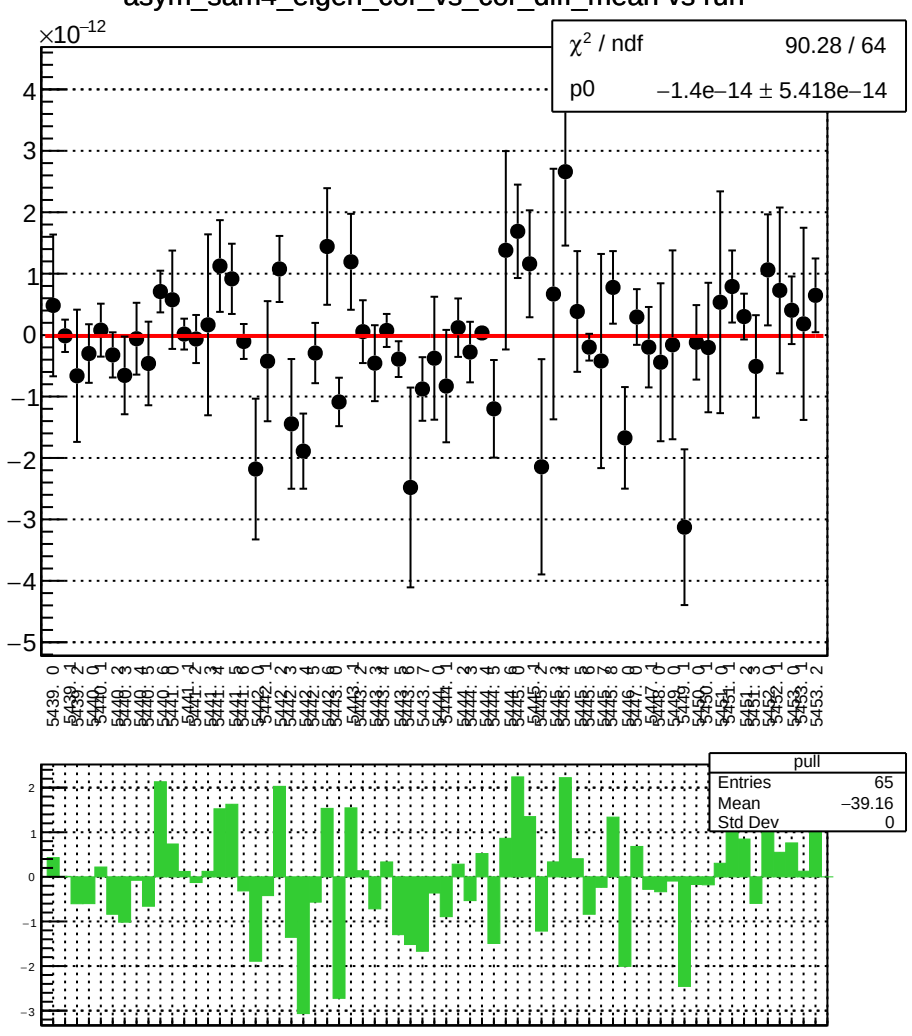

pull1D
Entries 65
Mean 0.006252
Std Dev 1.077

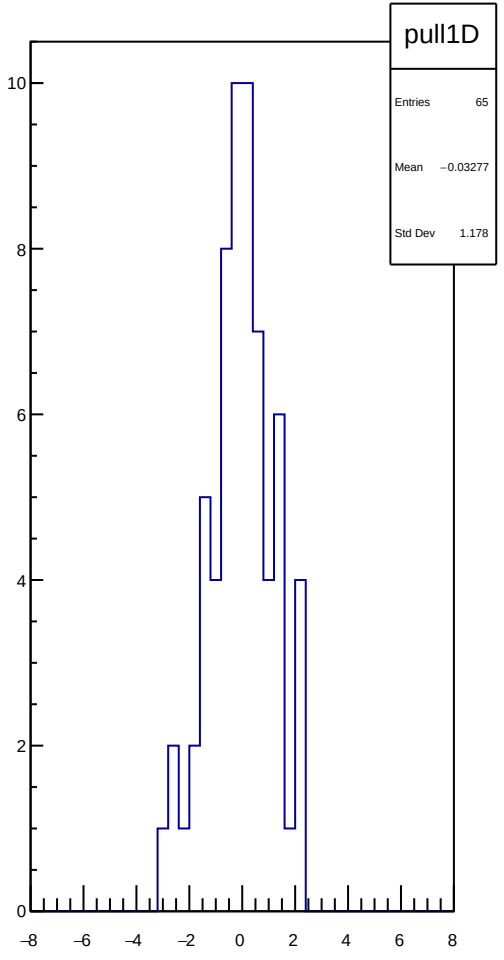

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.318e+05 / 64
p0 129.5 ± 0.1191
800
700
600
500
400
300
200
100

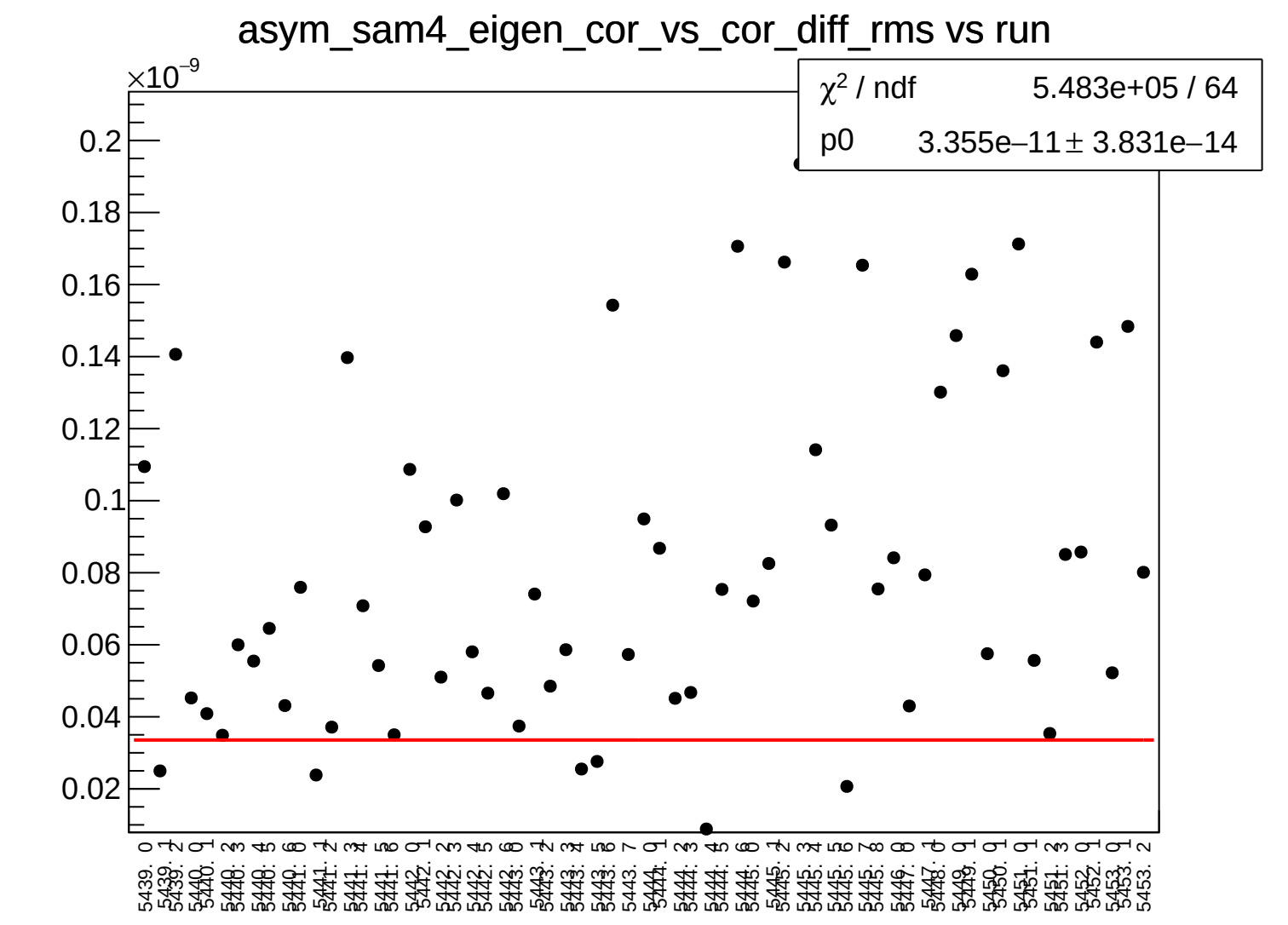

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.39 / 64
p0 −0.2244 ± 0.1684
pull
Entries 65
Mean 155.2
Std Dev 0

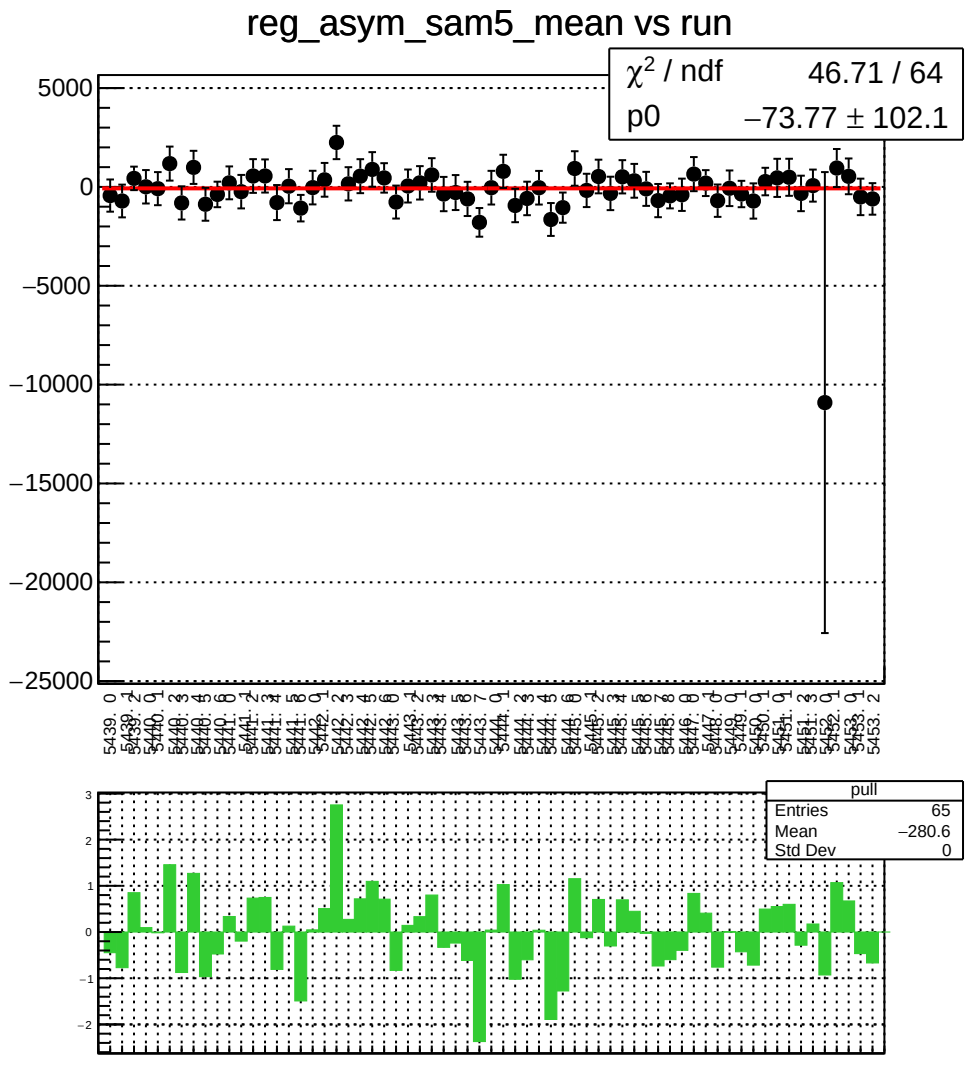

pull1D
Entries 65
Mean 0.006252
Std Dev 1.077

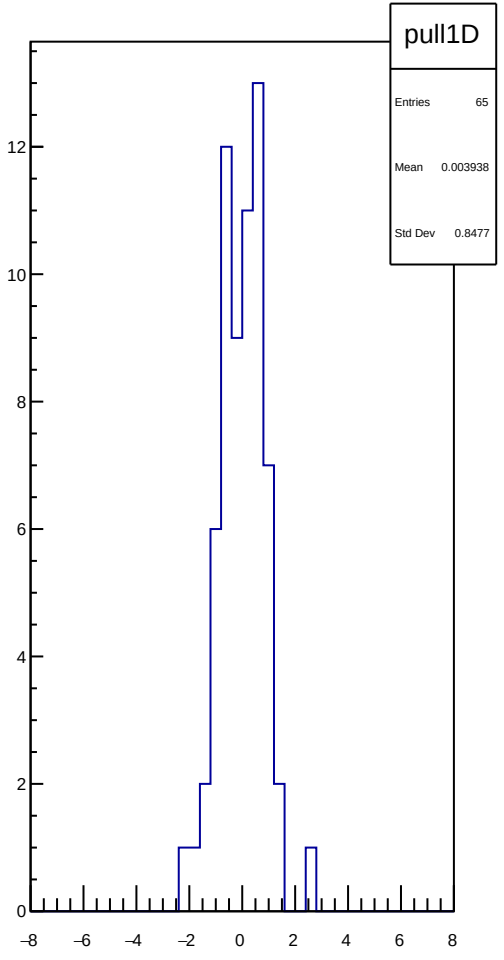

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.318e+05 / 64
p0 129.5 ± 0.1191
800
700
600
500
400
300
200
100

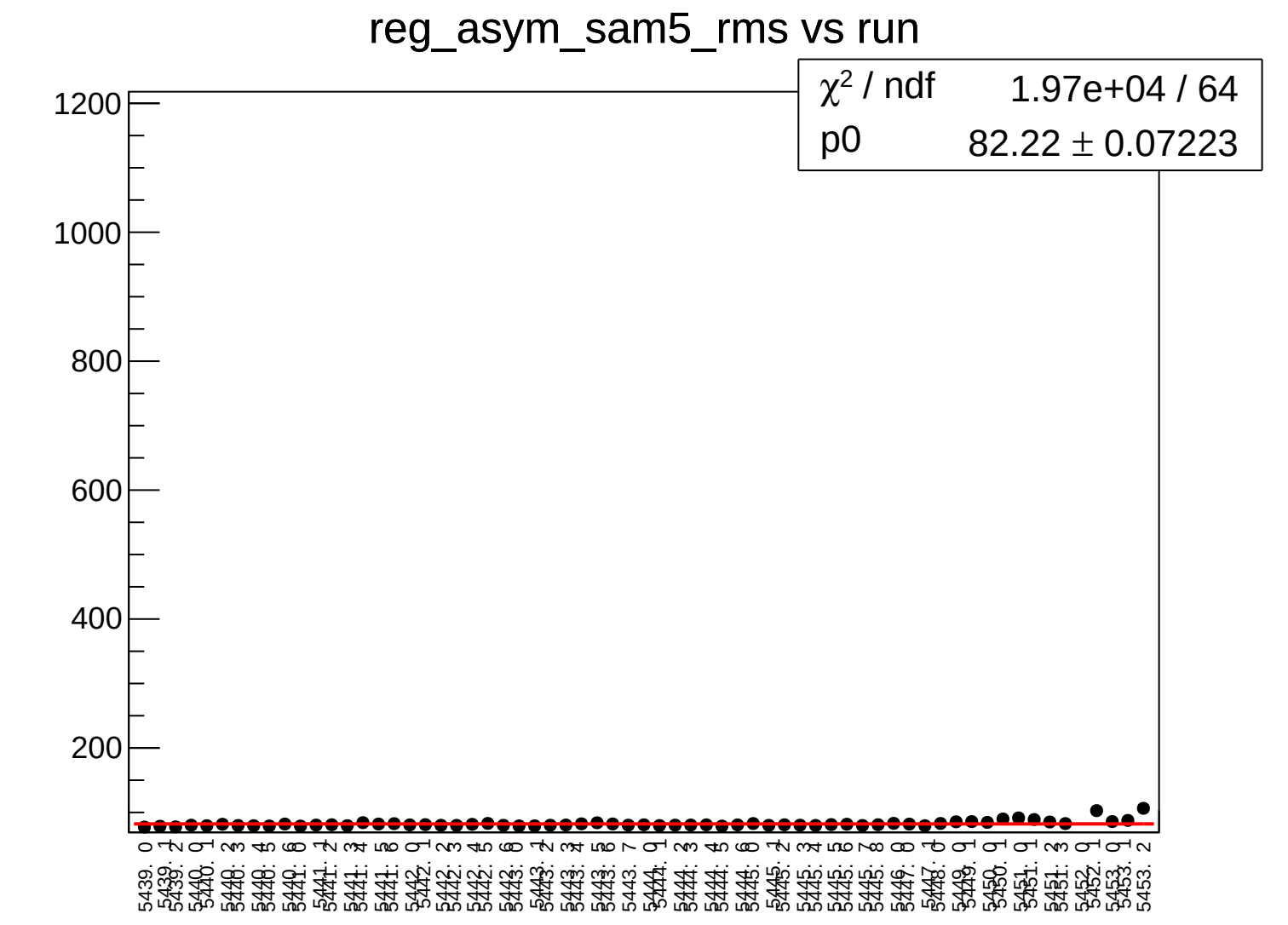

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.28 / 64
p0 −1.4e−14 ± 5.418e−14
pull
Entries 65
Mean −39.16
Std Dev 0

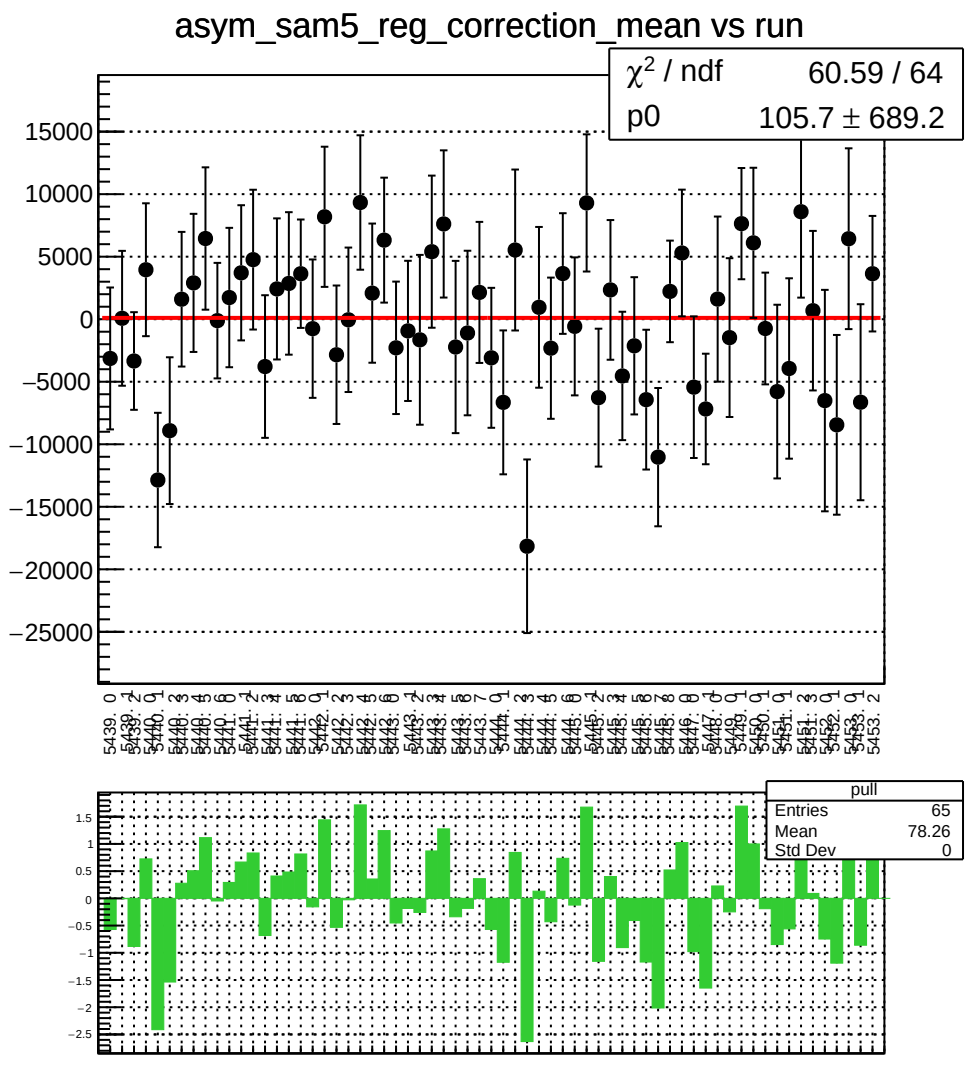

pull1D
Entries 65
Mean −0.03277
Std Dev 1.178

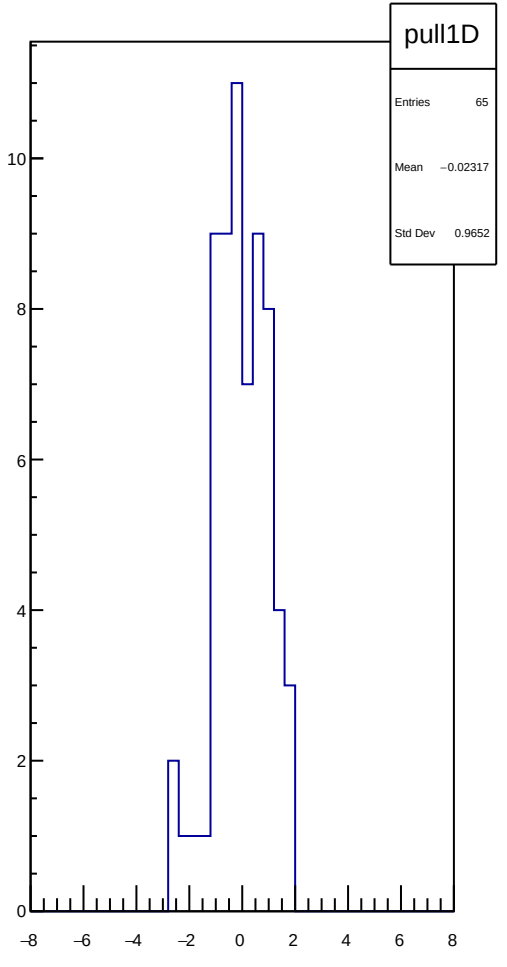

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.483e+05 / 64
p0 3.355e−11 ± 3.831e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

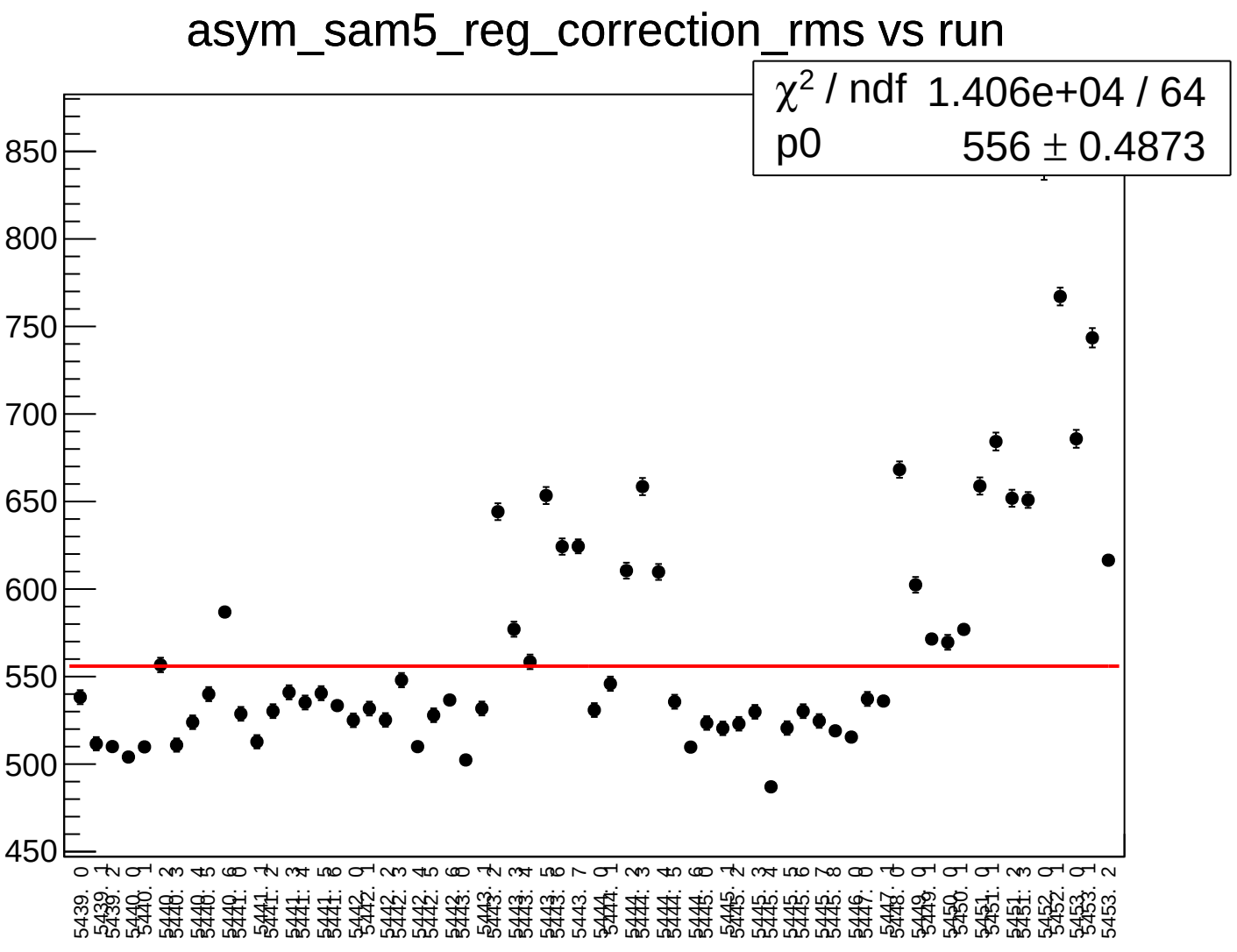

reg_asym_sam5_mean vs run
χ² / ndf 46.71 / 64
p0 −73.77 ± 102.1
pull
Entries 65
Mean −280.6
Std Dev 0

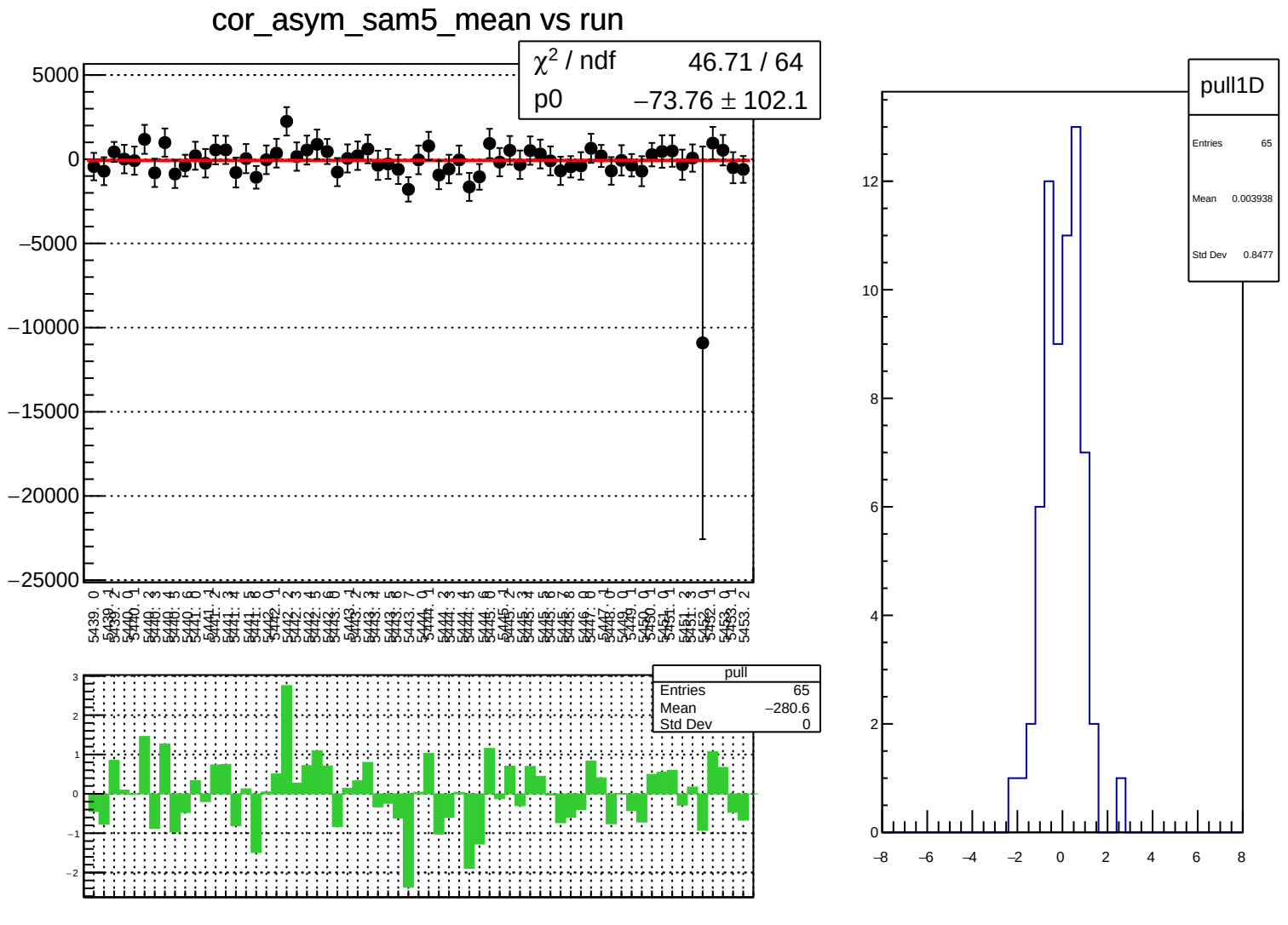

pull1D
Entries 65
Mean 0.003938
Std Dev 0.8477

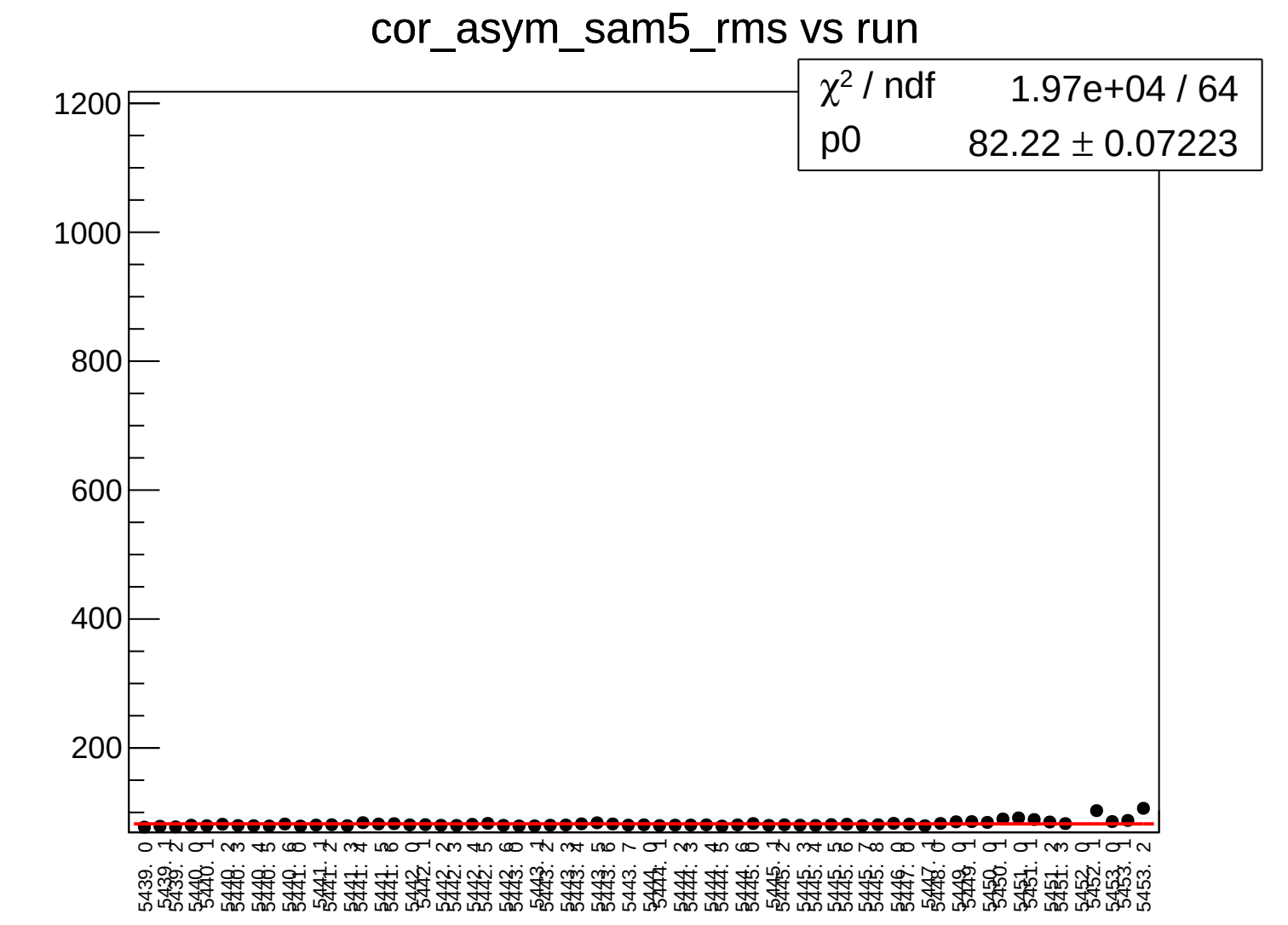

reg_asym_sam5_rms vs run
χ² / ndf 1.97e+04 / 64
p0 82.22 ± 0.07223
1200
1000
800
600
400
200

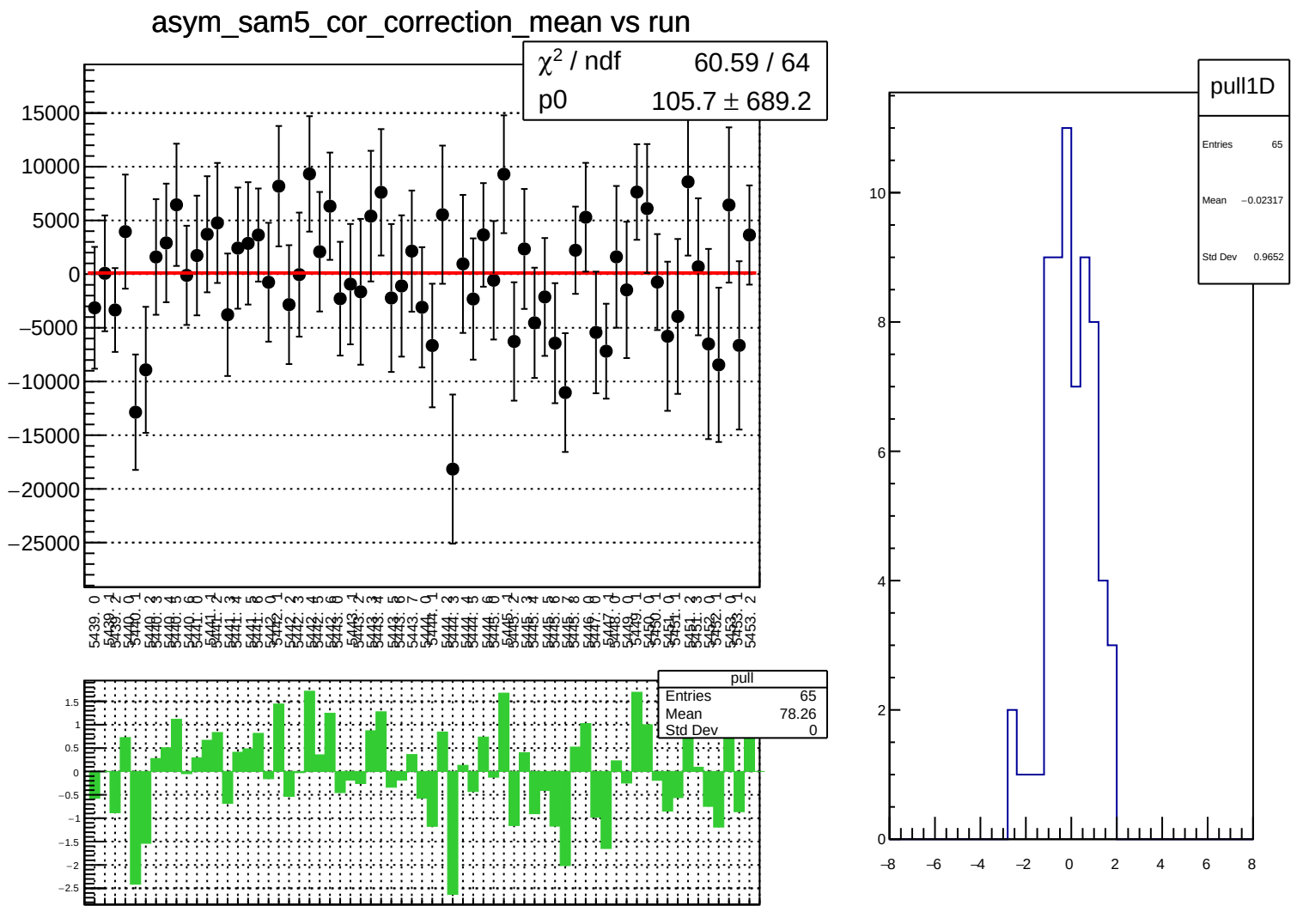

asym_sam5_reg_correction_mean vs run
χ² / ndf 60.59 / 64
p0 105.7 ± 689.2
pull
Entries 65
Mean 78.26
Std Dev 0

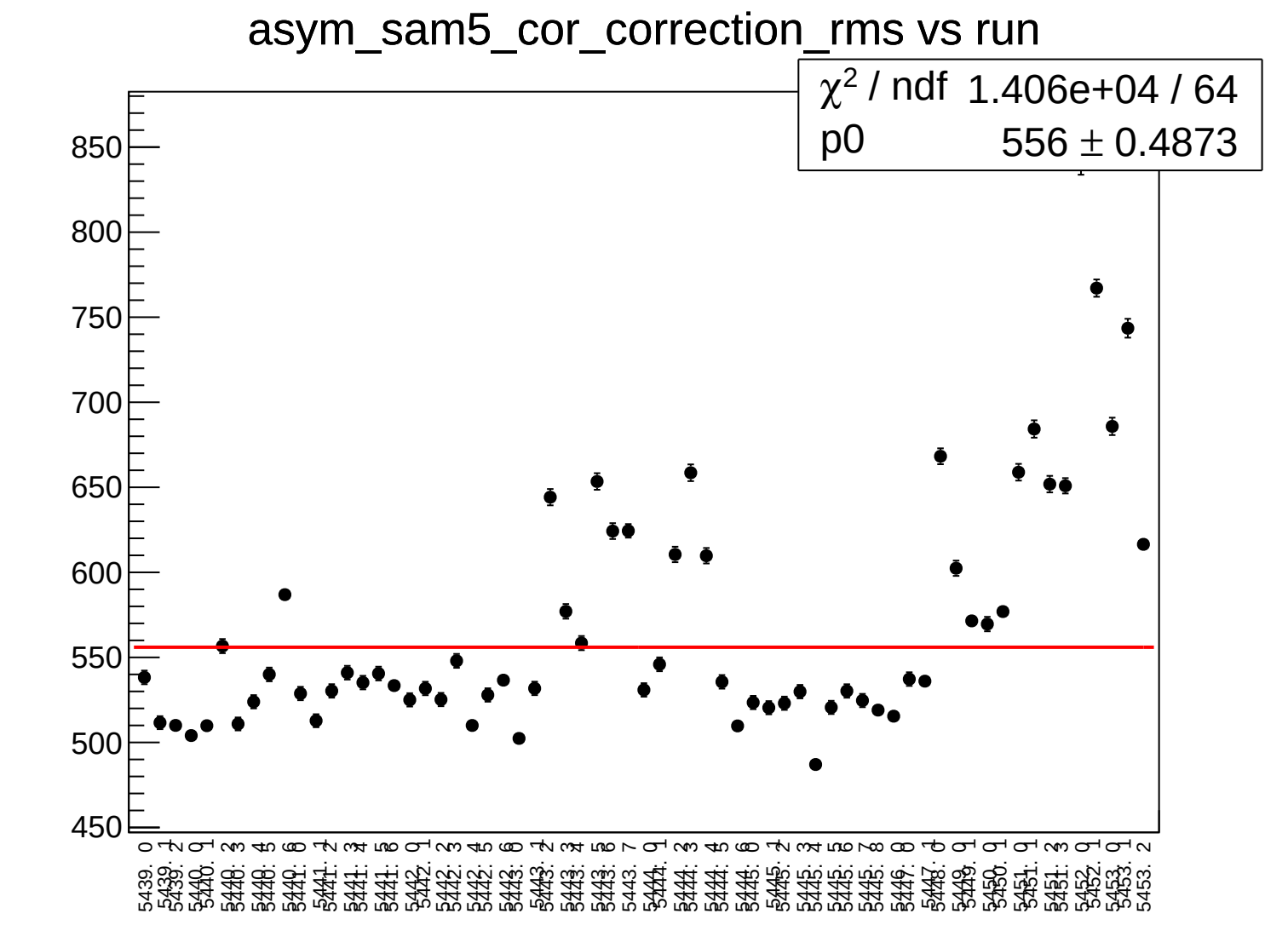

pull1D
Entries 65
Mean −0.02317
Std Dev 0.9652

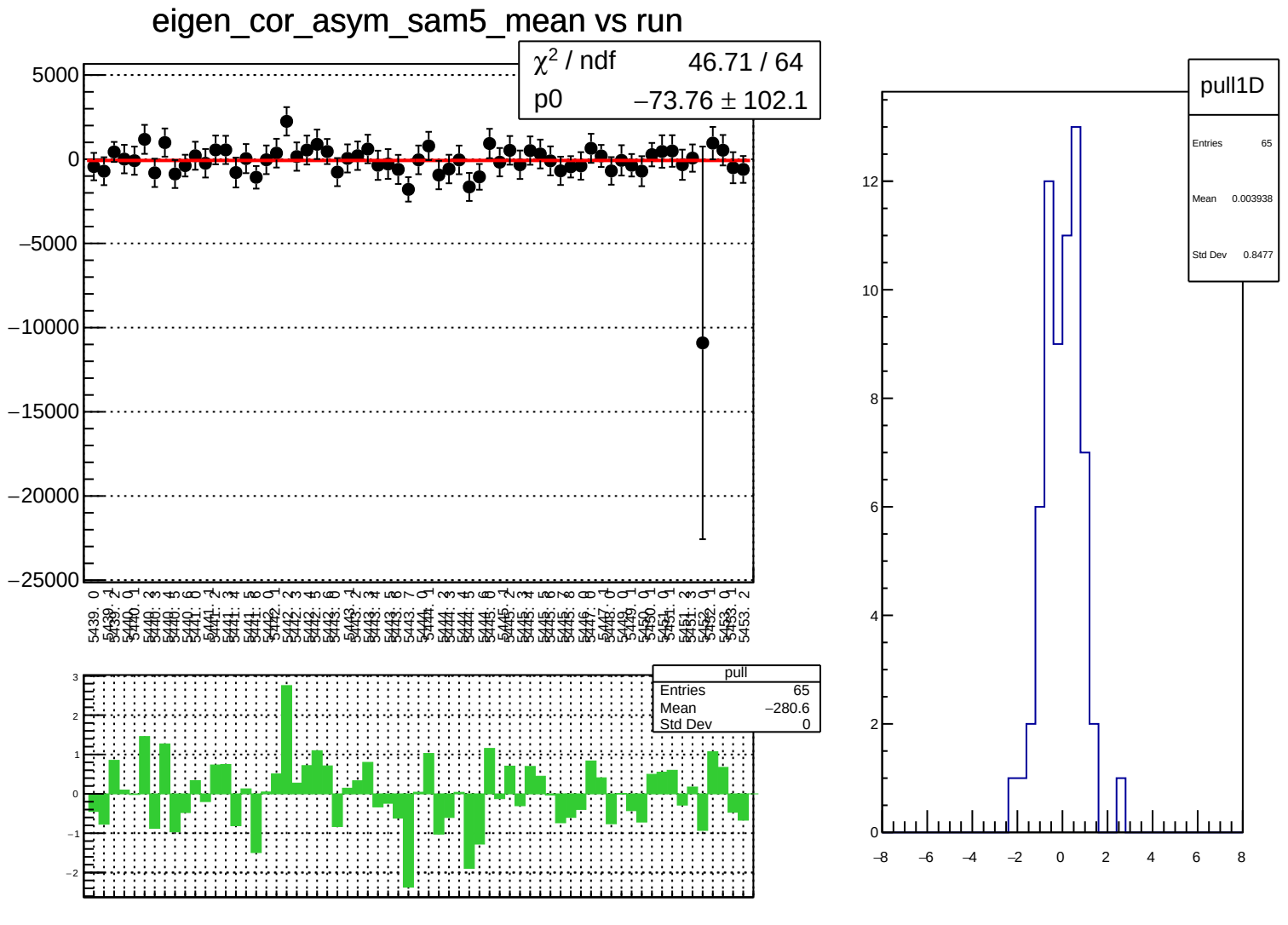

asym_sam5_reg_correction_rms vs run
χ² / ndf 1.406e+04 / 64
p0 556 ± 0.4873
850
800
750
700
650
600
550
500
450

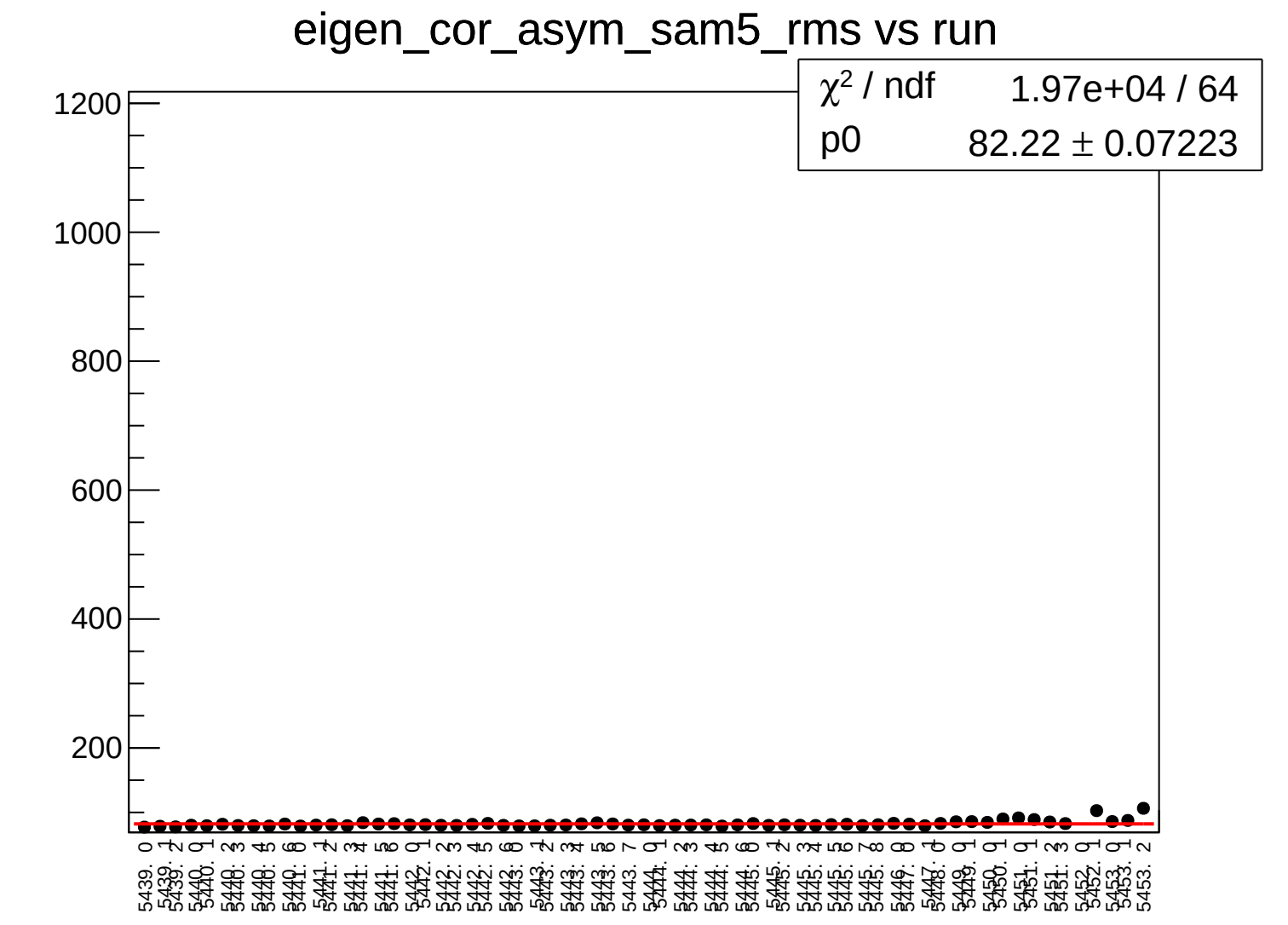

cor_asym_sam5_mean vs run
χ² / ndf 46.71 / 64
p0 −73.76 ± 102.1
pull
Entries 65
Mean −280.6
Std Dev 0
pull1D
Entries 65
Mean 0.003938
Std Dev 0.8477

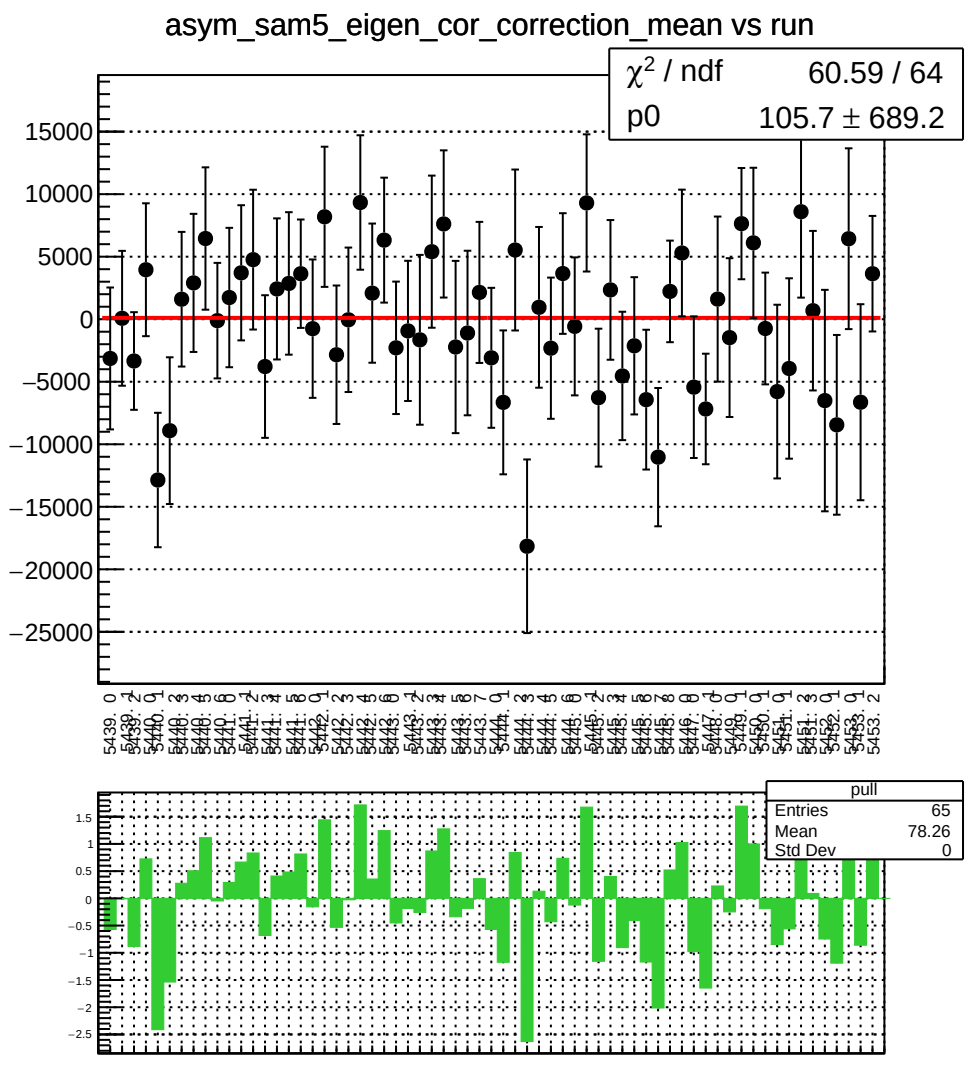

cor_asym_sam5_rms vs run
χ² / ndf 1.97e+04 / 64
p0 82.22 ± 0.07223
1200
1000
800
600
400
200

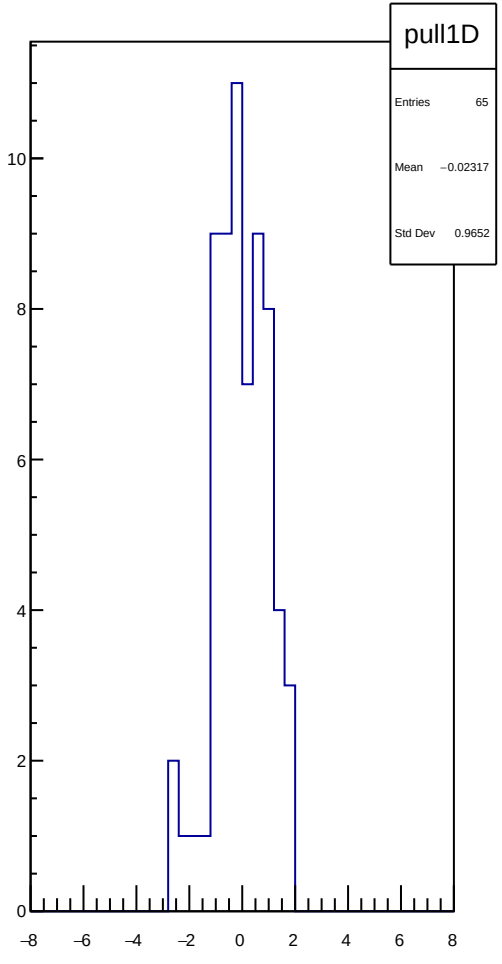

asym_sam5_cor_correction_mean vs run
χ² / ndf 60.59 / 64
p0 105.7 ± 689.2
pull
Entries 65
Mean 78.26
Std Dev 0
pull1D
Entries 65
Mean −0.02317
Std Dev 0.9652

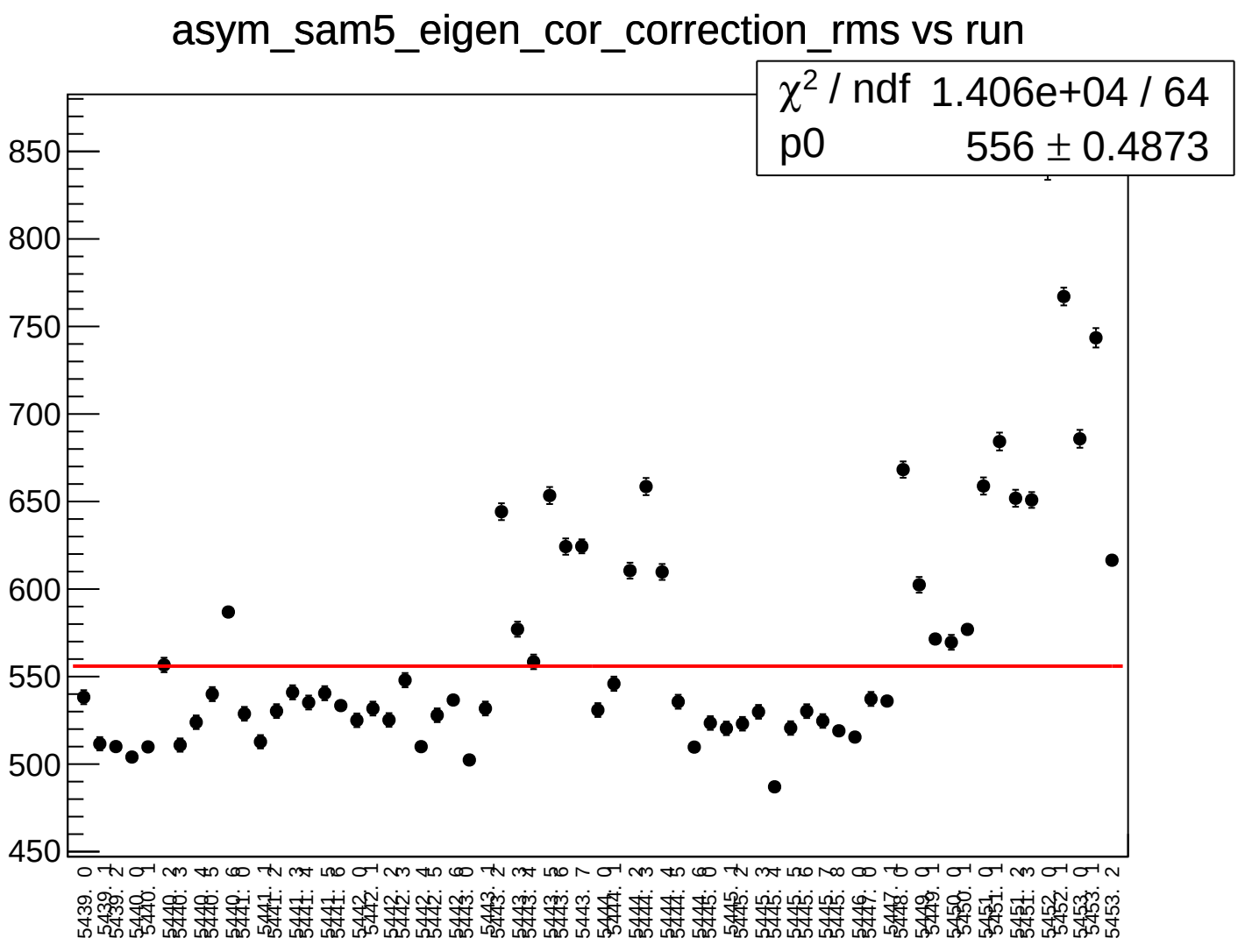

asym_sam5_cor_correction_rms vs run
χ² / ndf 1.406e+04 / 64
p0 556 ± 0.4873
850
800
750
700
650
600
550
500
450

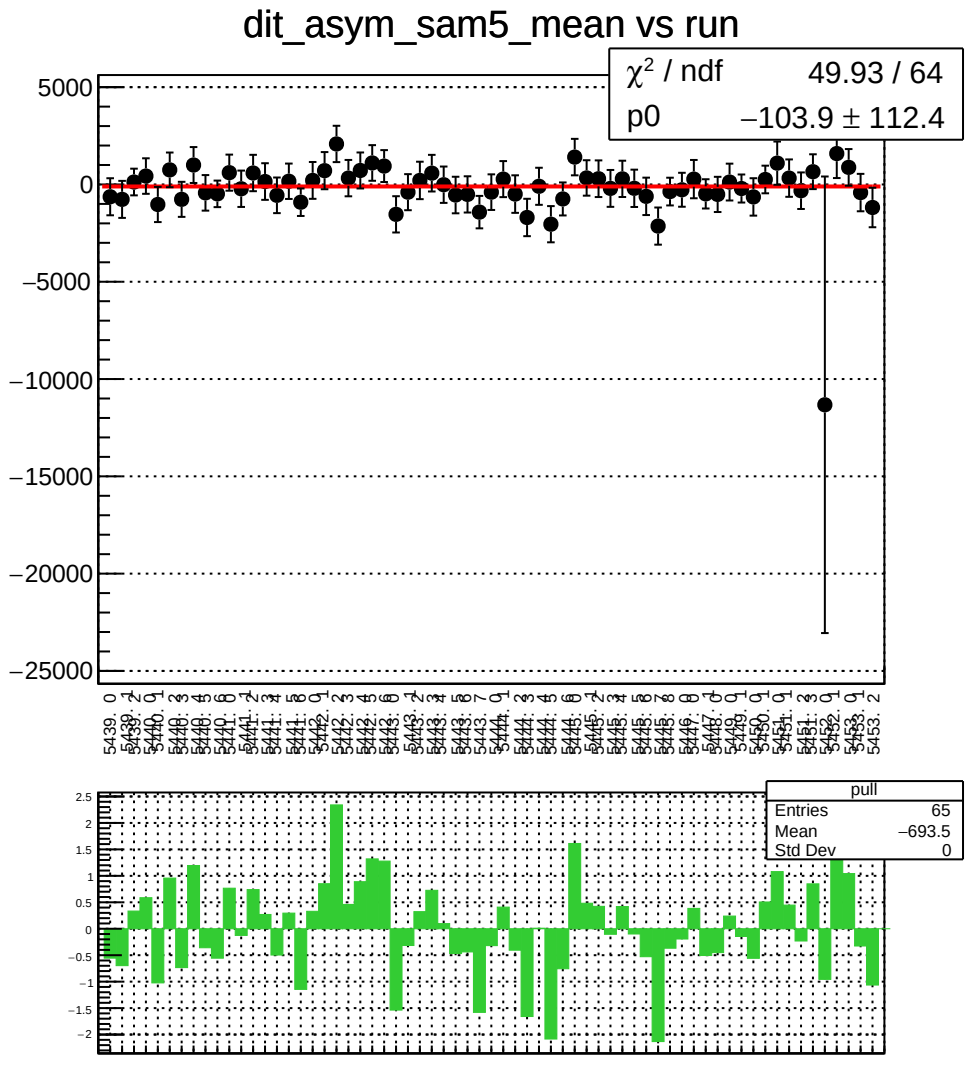

eigen_cor_asym_sam5_mean vs run
χ² / ndf 46.71 / 64
p0 −73.76 ± 102.1
pull
Entries 65
Mean −280.6
Std Dev 0
pull1D
Entries 65
Mean 0.003938
Std Dev 0.8477

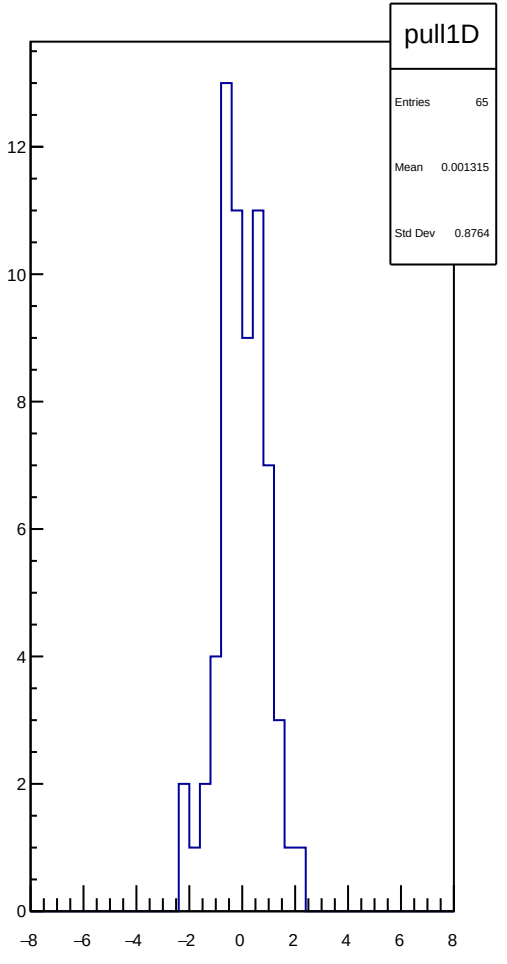

eigen_cor_asym_sam5_rms vs run
χ^2 / ndf 1.97e+04 / 64
p0 82.22 ± 0.07223
1200
1000
800
600
400
200

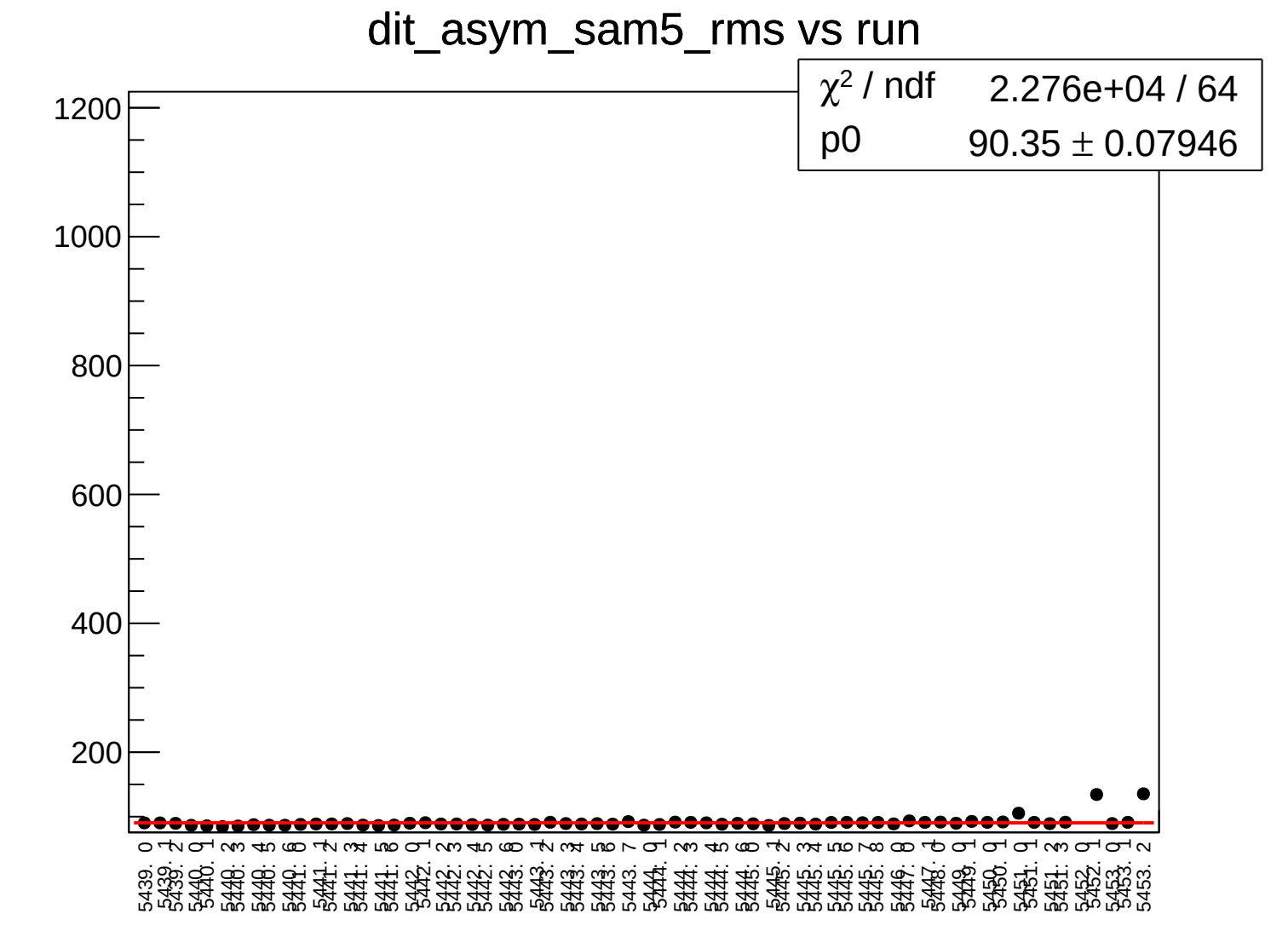

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 60.59 / 64
p0 105.7 ± 689.2
pull
Entries 65
Mean 78.26
Std Dev 0

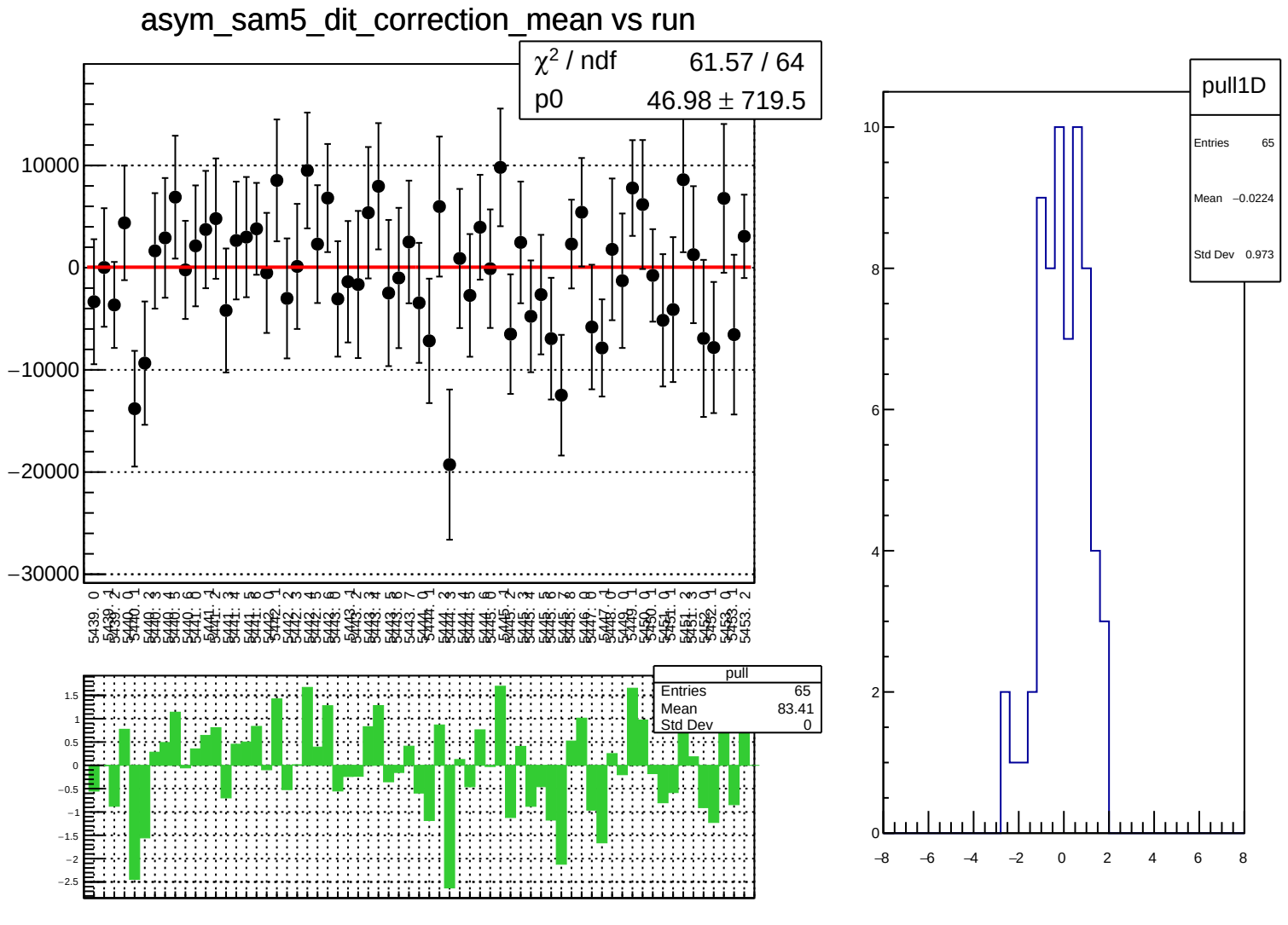

pull1D
Entries 65
Mean −0.02317
Std Dev 0.9652

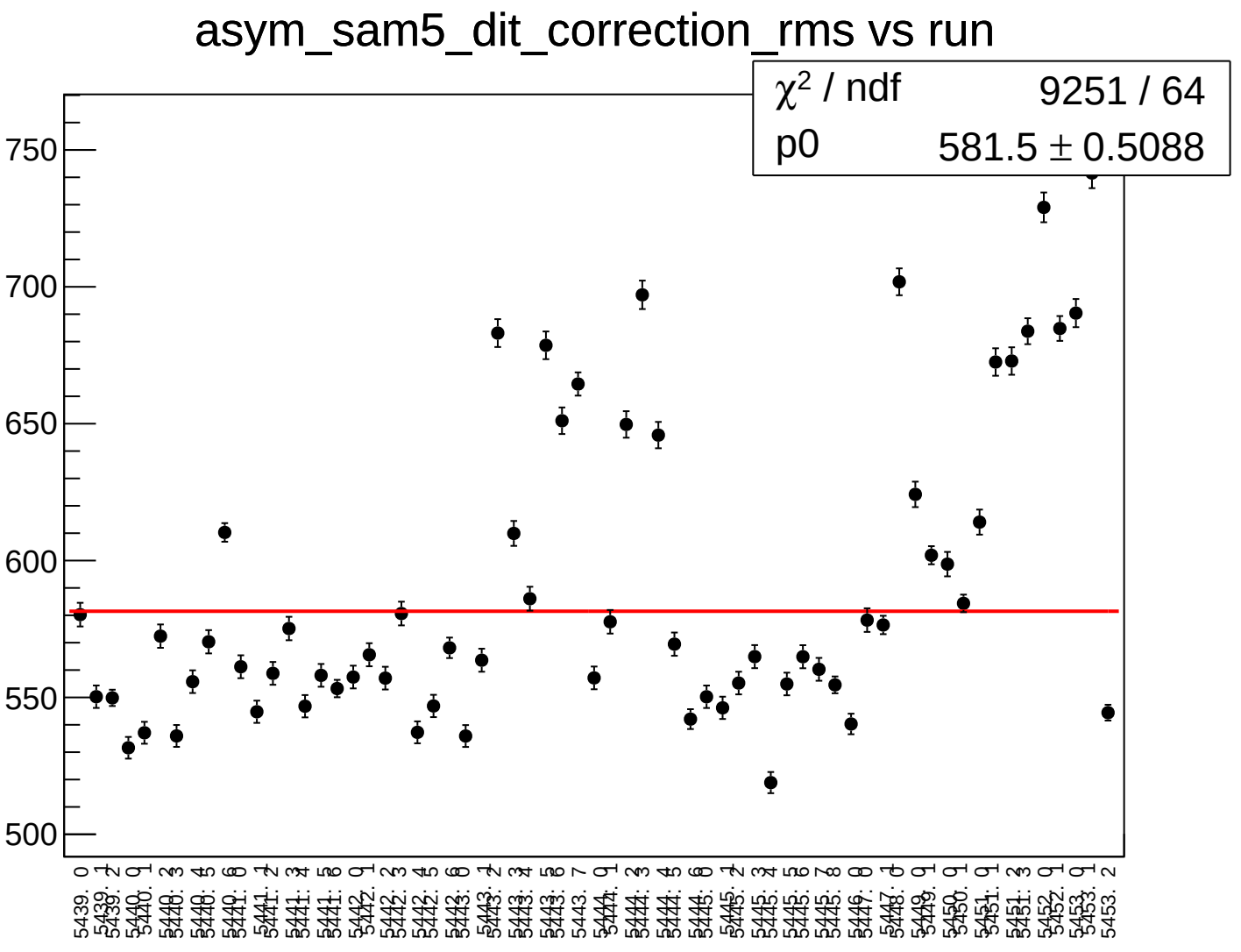

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 1.406e+04 / 64
p0 556 ± 0.4873
850
800
750
700
650
600
550
500
450

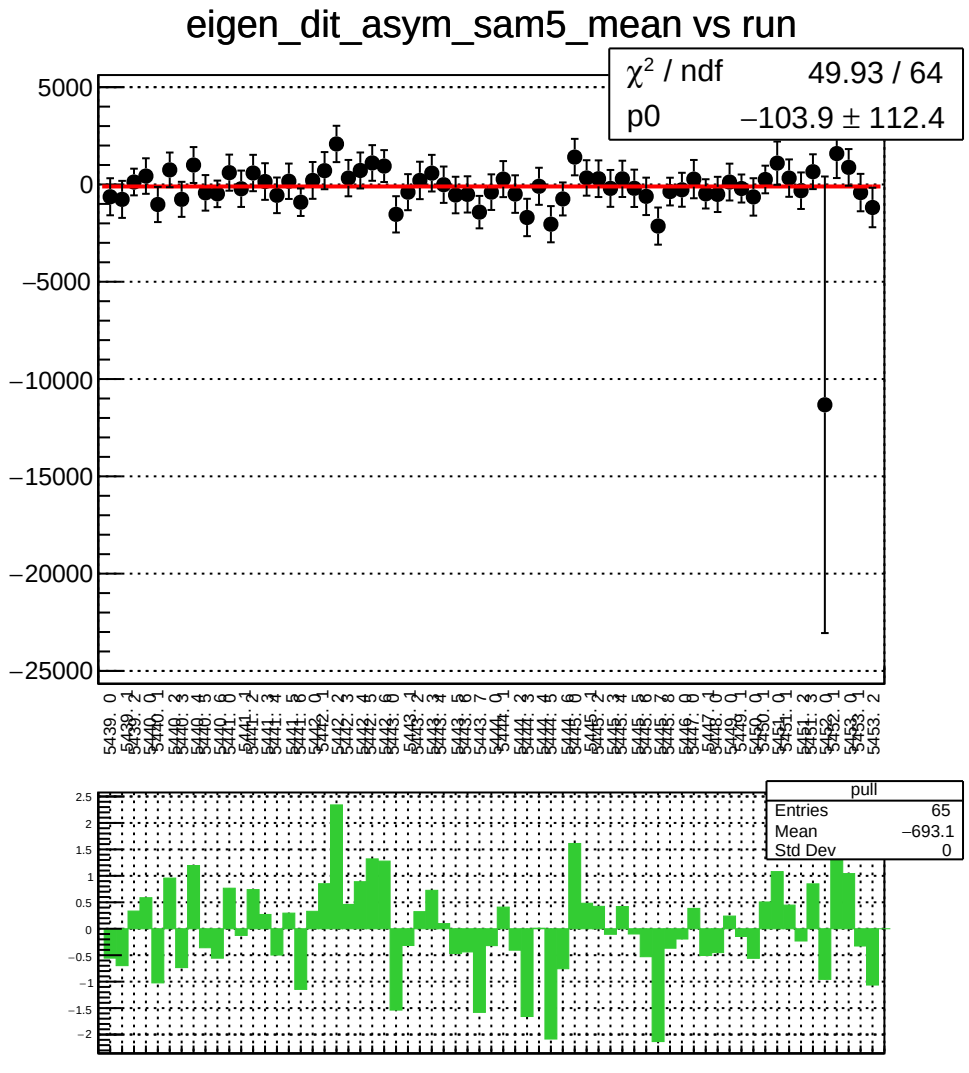

dit_asym_sam5_mean vs run
χ² / ndf 49.93 / 64
p0 −103.9 ± 112.4
pull
Entries 65
Mean −693.5
Std Dev 0

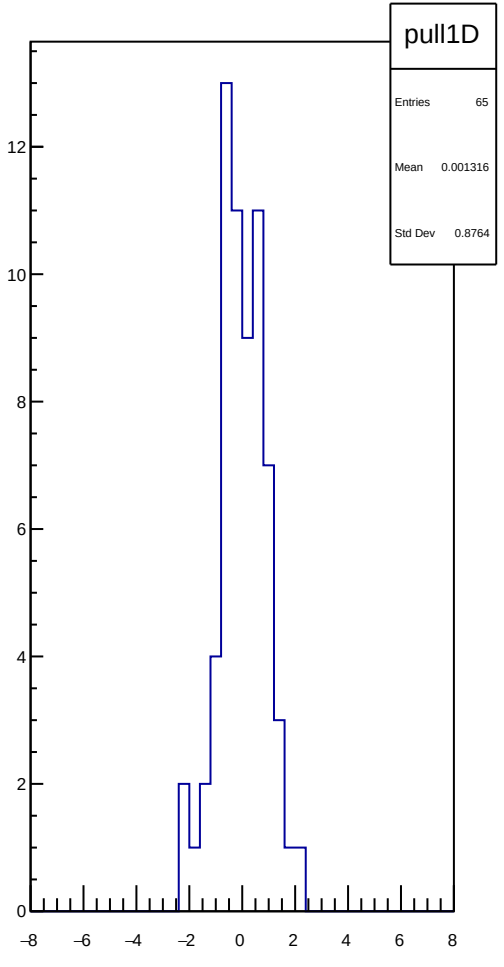

pull1D
Entries 65
Mean 0.001315
Std Dev 0.8764

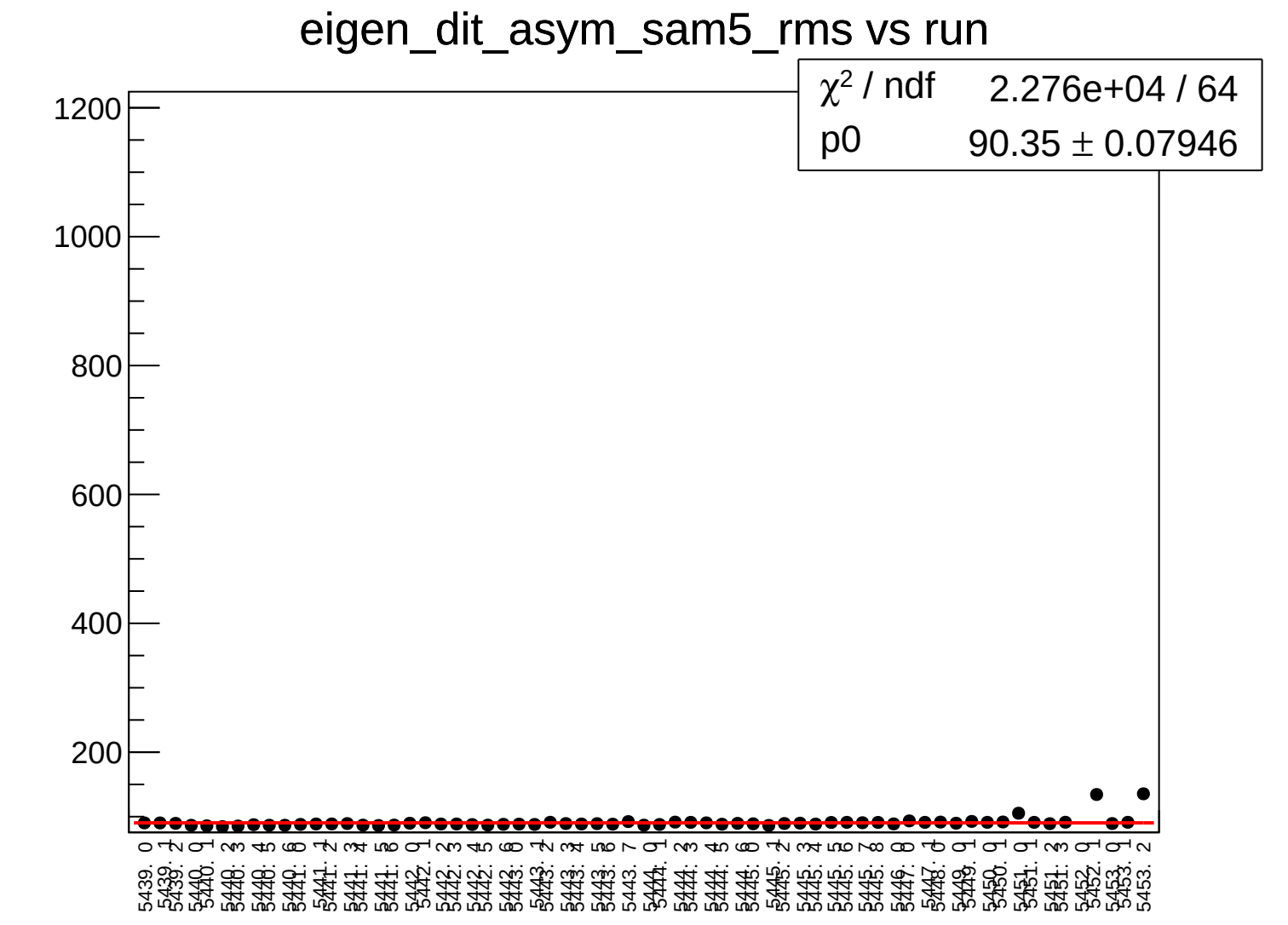

dit_asym_sam5_rms vs run
χ² / ndf 2.276e+04 / 64
p0 90.35 ± 0.07946
1200
1000
800
600
400
200

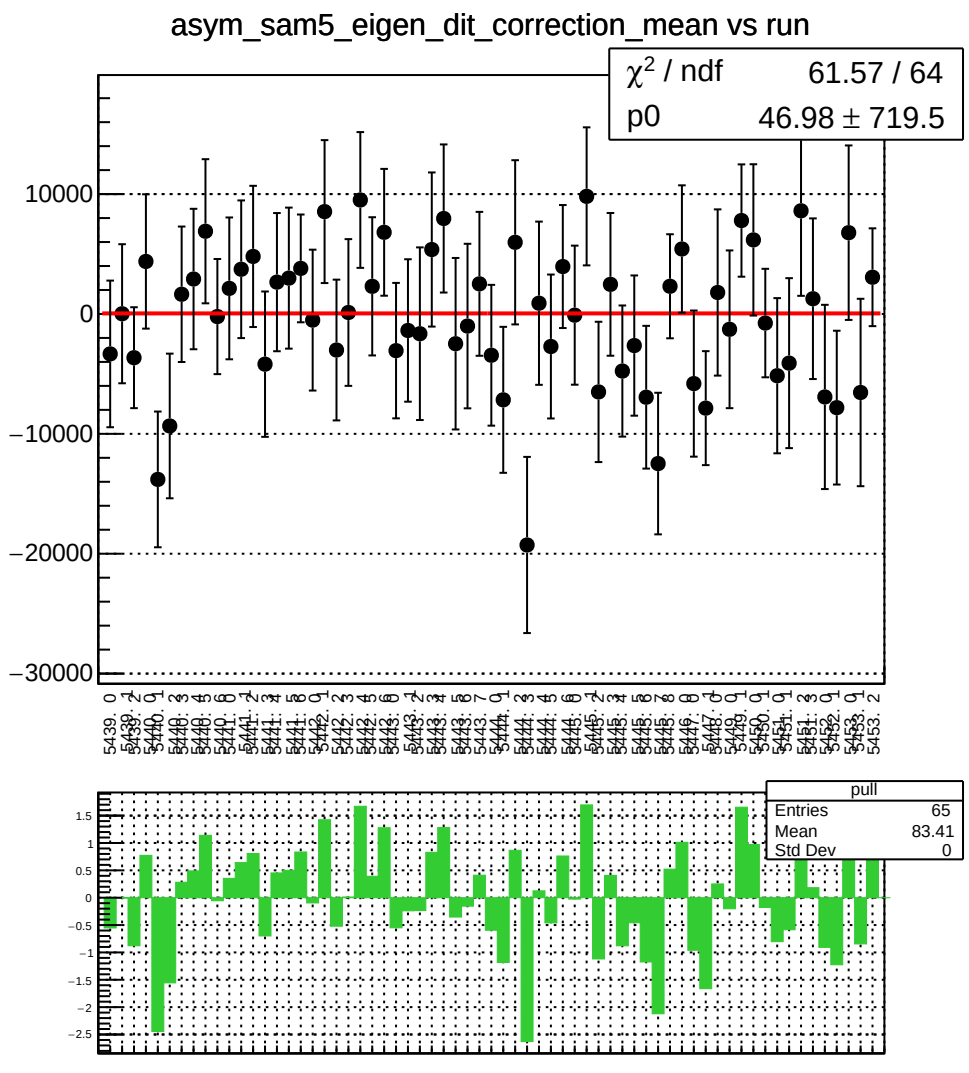

asym_sam5_dit_correction_mean vs run
χ² / ndf 61.57 / 64
p0 46.98 ± 719.5
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean 83.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 65
Mean −0.0224
Std Dev 0.973
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

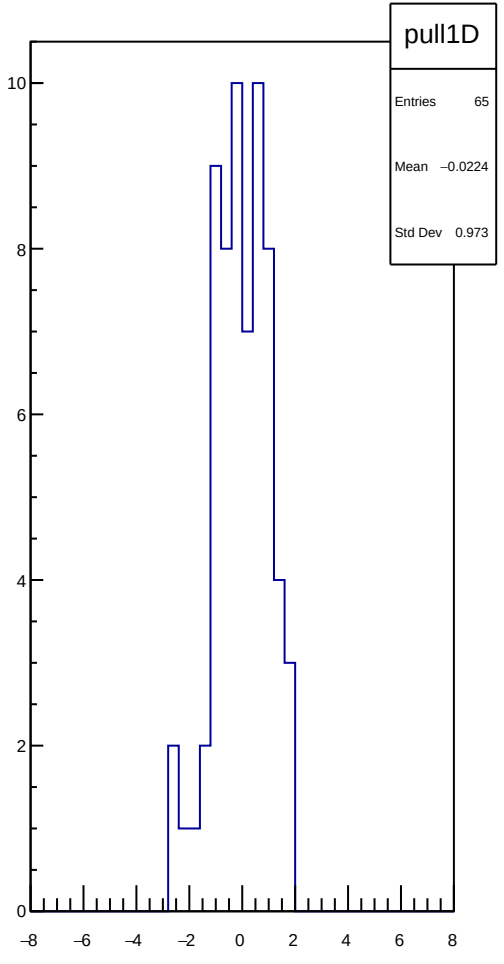

asym_sam5_dit_correction_rms vs run
χ² / ndf 9251 / 64
p0 581.5 ± 0.5088
750
700
650
600
550
500

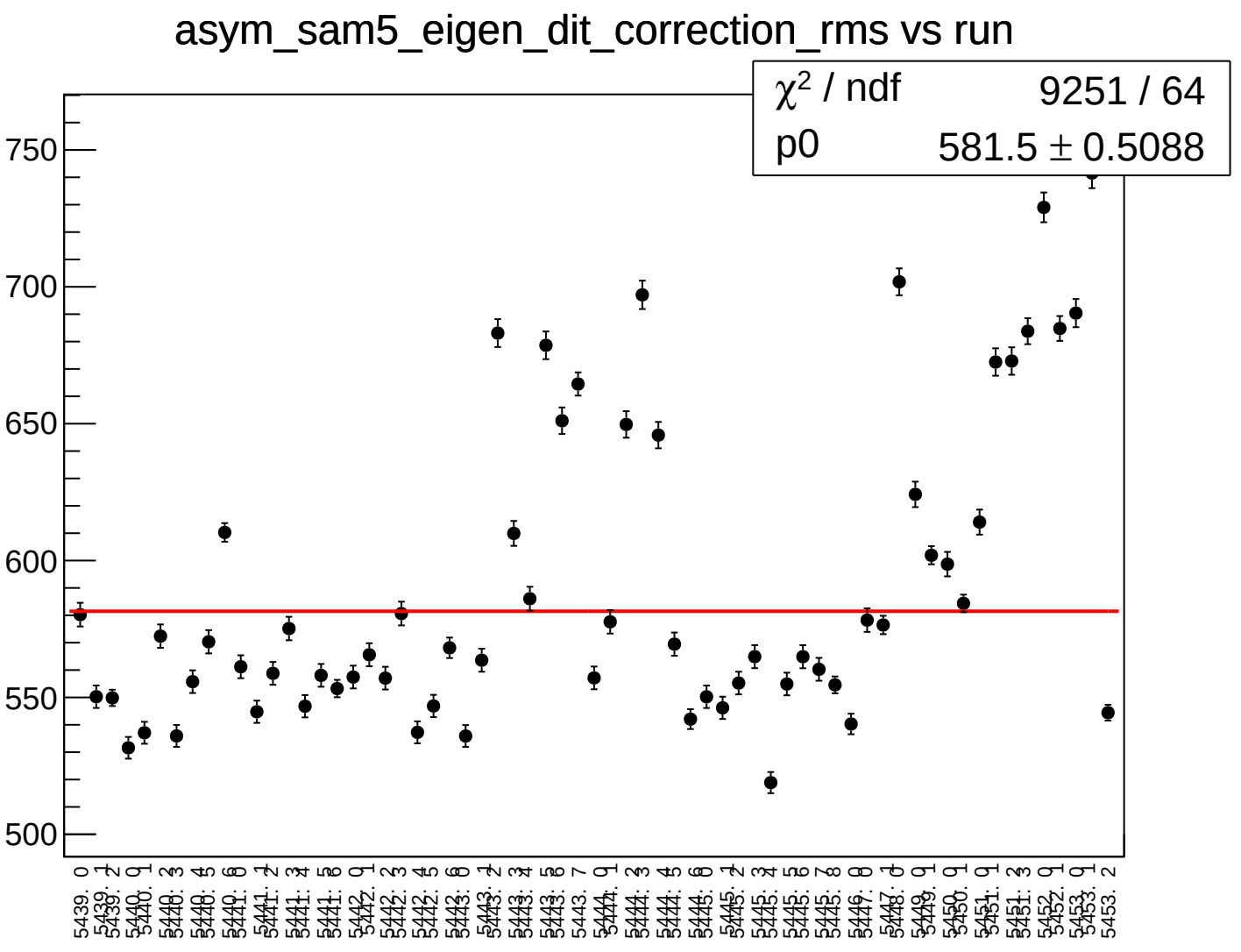

eigen_dit_asym_sam5_mean vs run
χ² / ndf 49.93 / 64
p0 −103.9 ± 112.4
pull
Entries 65
Mean −693.1
Std Dev 0

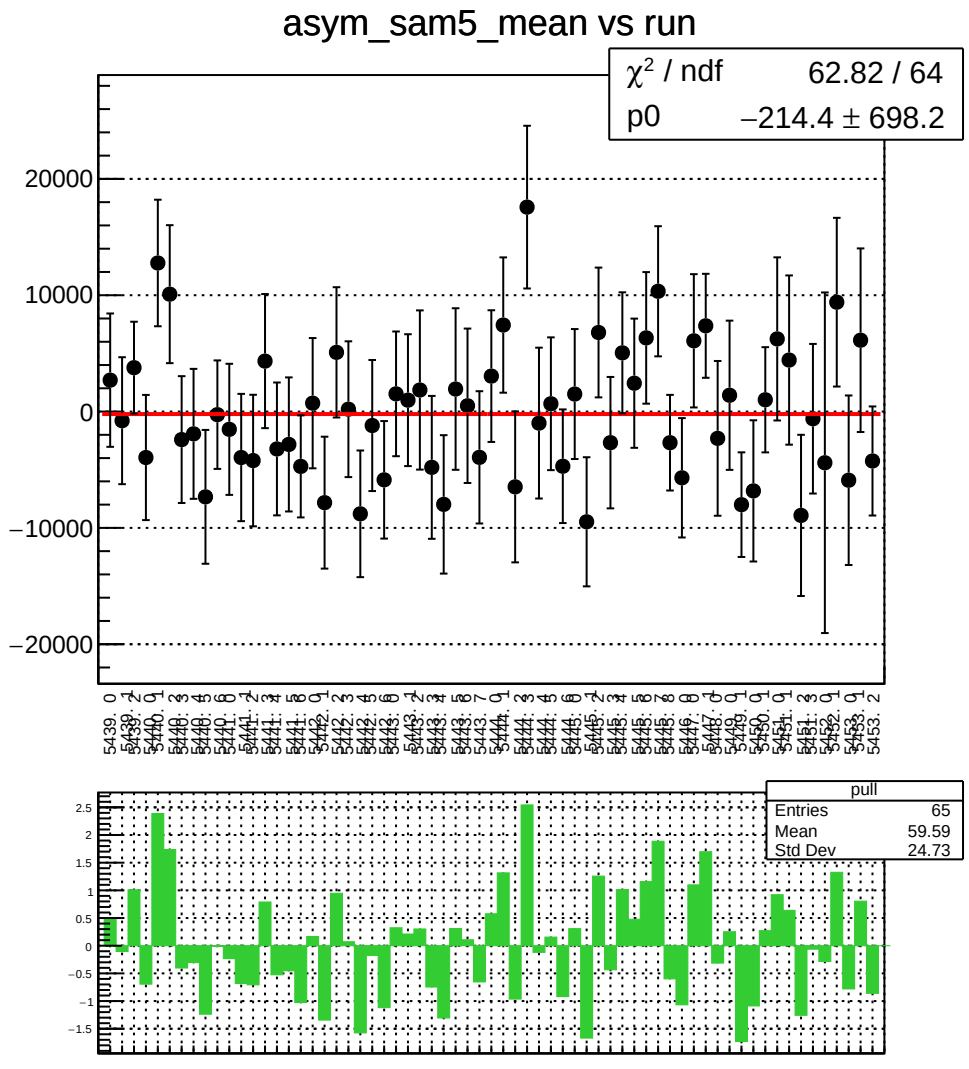

pull1D
Entries 65
Mean 0.001316
Std Dev 0.8764

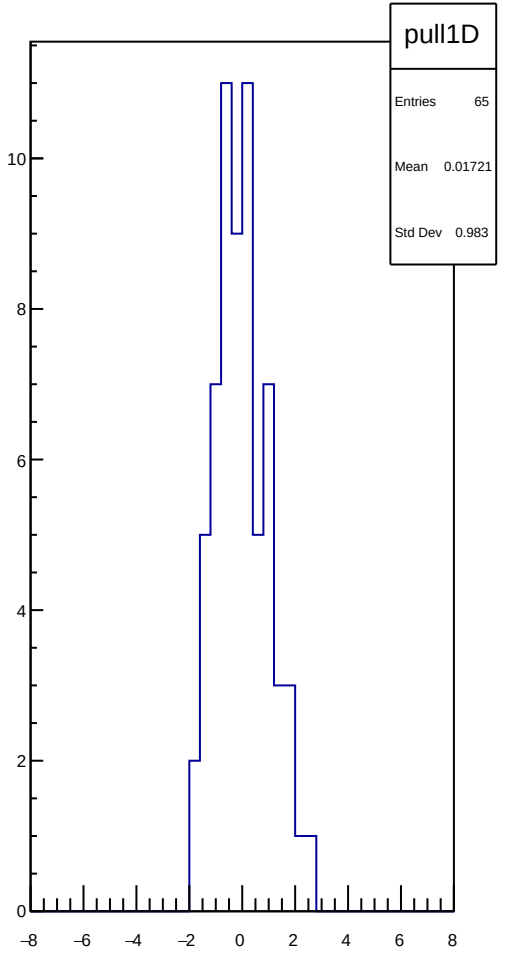

eigen_dit_asym_sam5_rms vs run
χ² / ndf 2.276e+04 / 64
p0 90.35 ± 0.07946
1200
1000
800
600
400
200

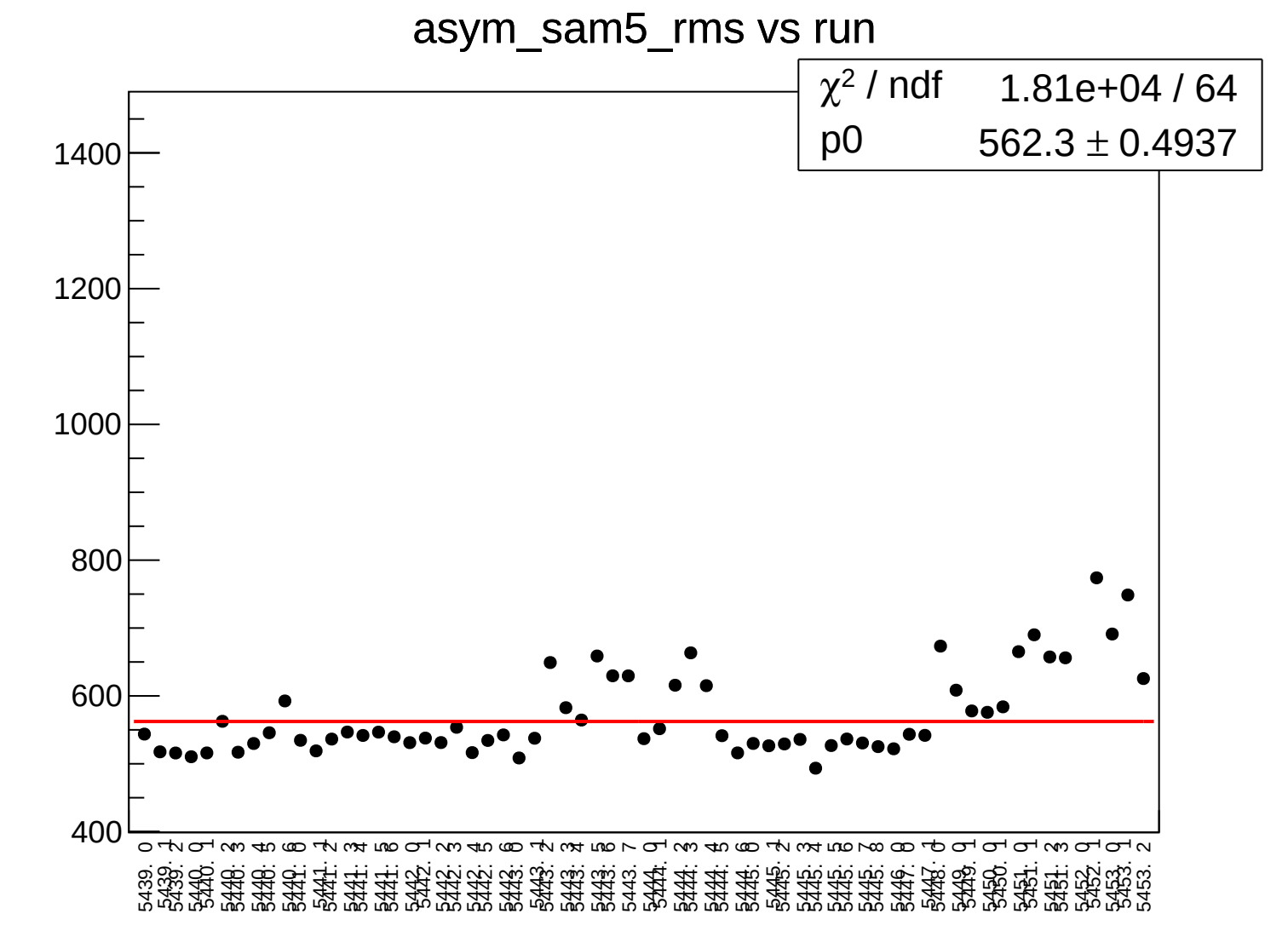

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 61.57 / 64
p0 46.98 ± 719.5
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean 83.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

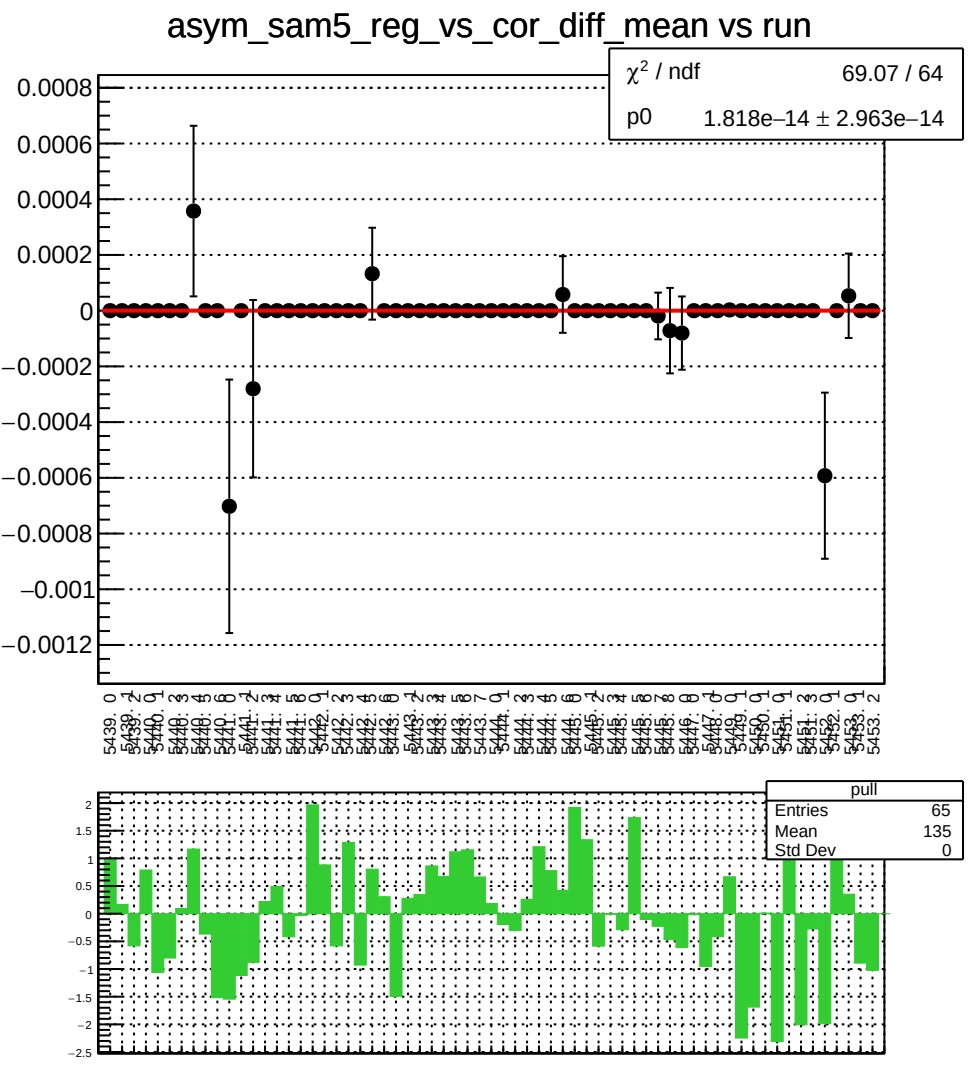

pull1D
Entries 65
Mean −0.0224
Std Dev 0.973
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

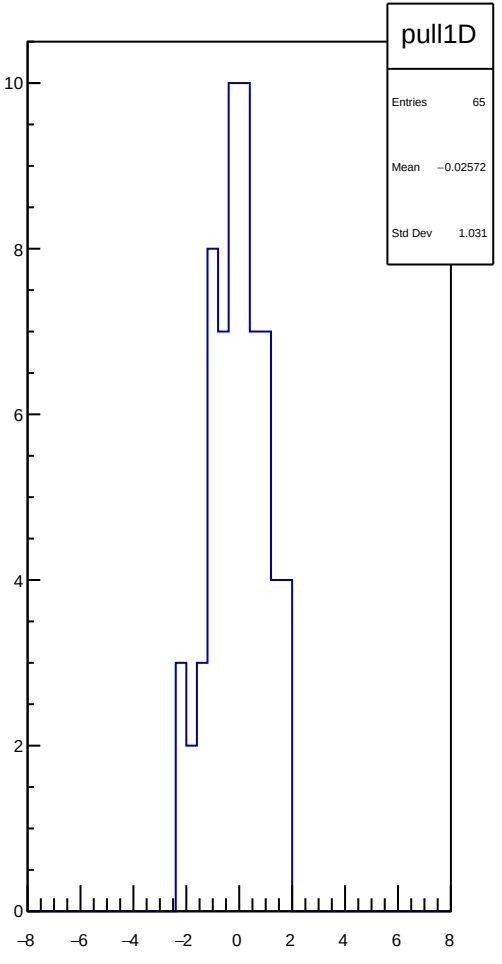

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 9251 / 64
p0 581.5 ± 0.5088
750
700
650
600
550
500

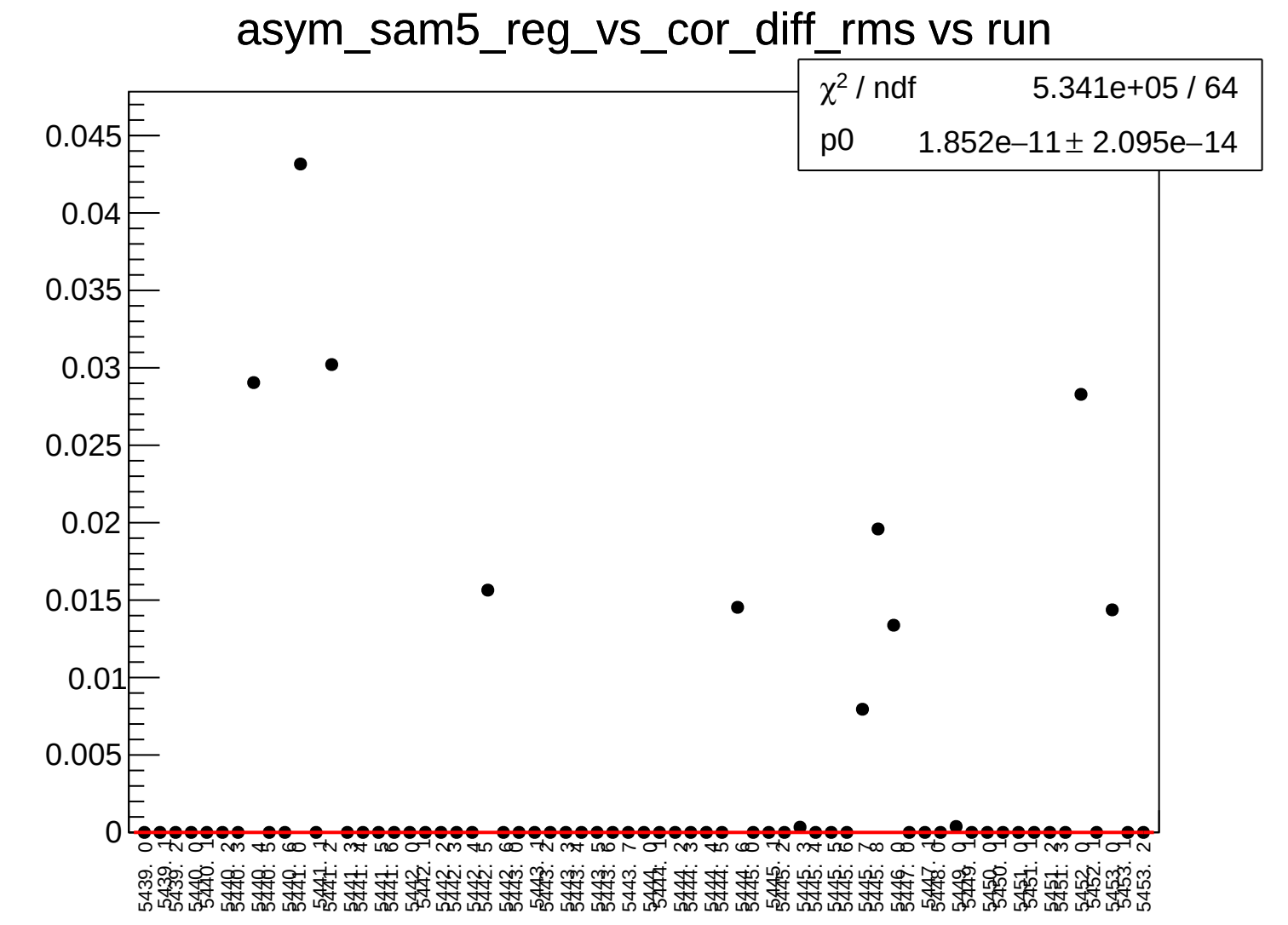

asym_sam5_mean vs run
χ² / ndf 62.82 / 64
p0 −214.4 ± 698.2
20000
10000
0
−10000
−20000
pull
Entries 65
Mean 59.59
Std Dev 24.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

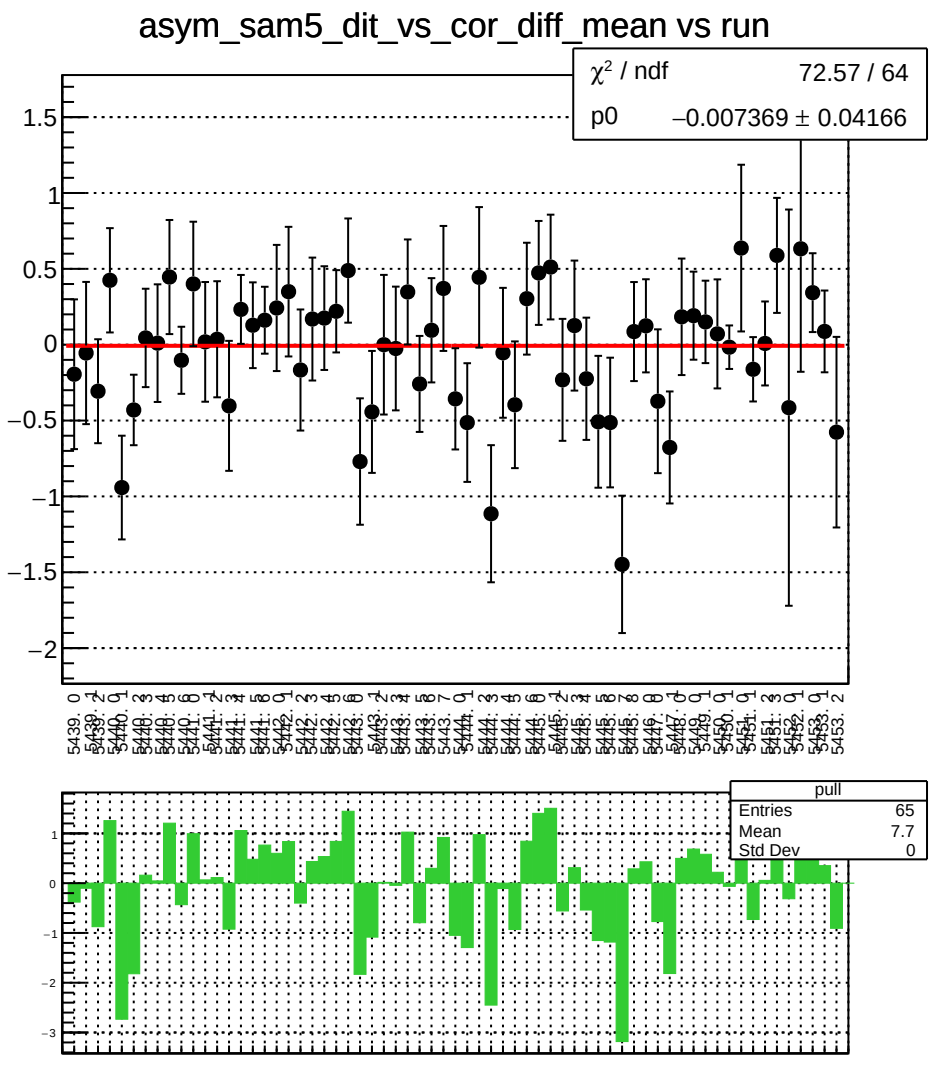

pull1D
Entries 65
Mean 0.01721
Std Dev 0.983
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

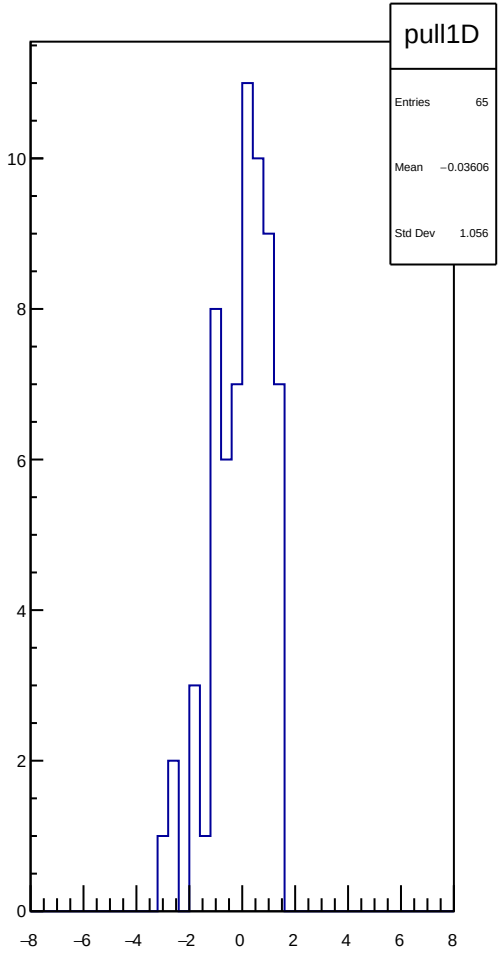

asym_sam5_rms vs run
χ² / ndf 1.81e+04 / 64
p0 562.3 ± 0.4937
1400
1200
1000
800
600
400

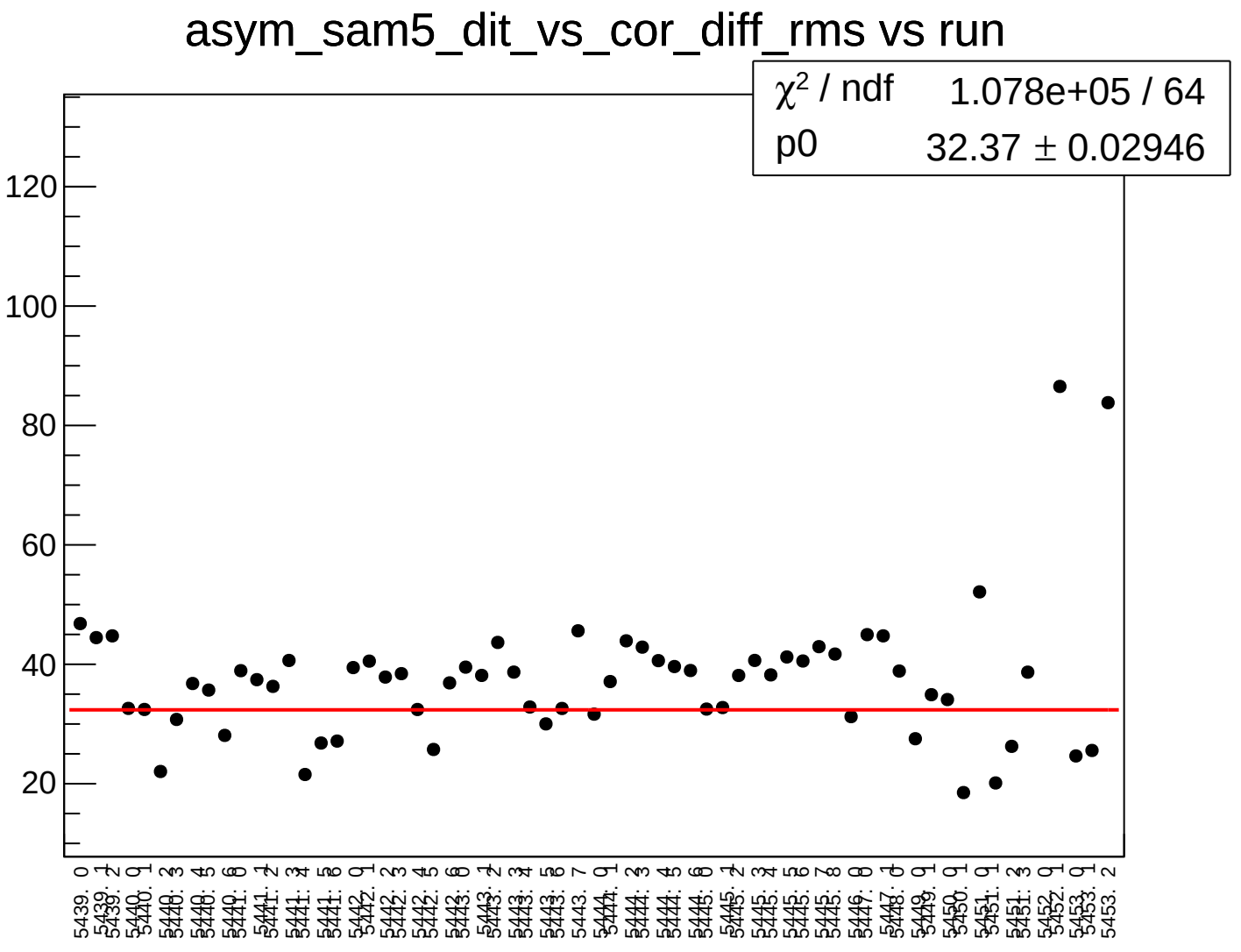

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 69.07 / 64
p0 1.818e−14 ± 2.963e−14
pull
Entries 65
Mean 135
Std Dev 0

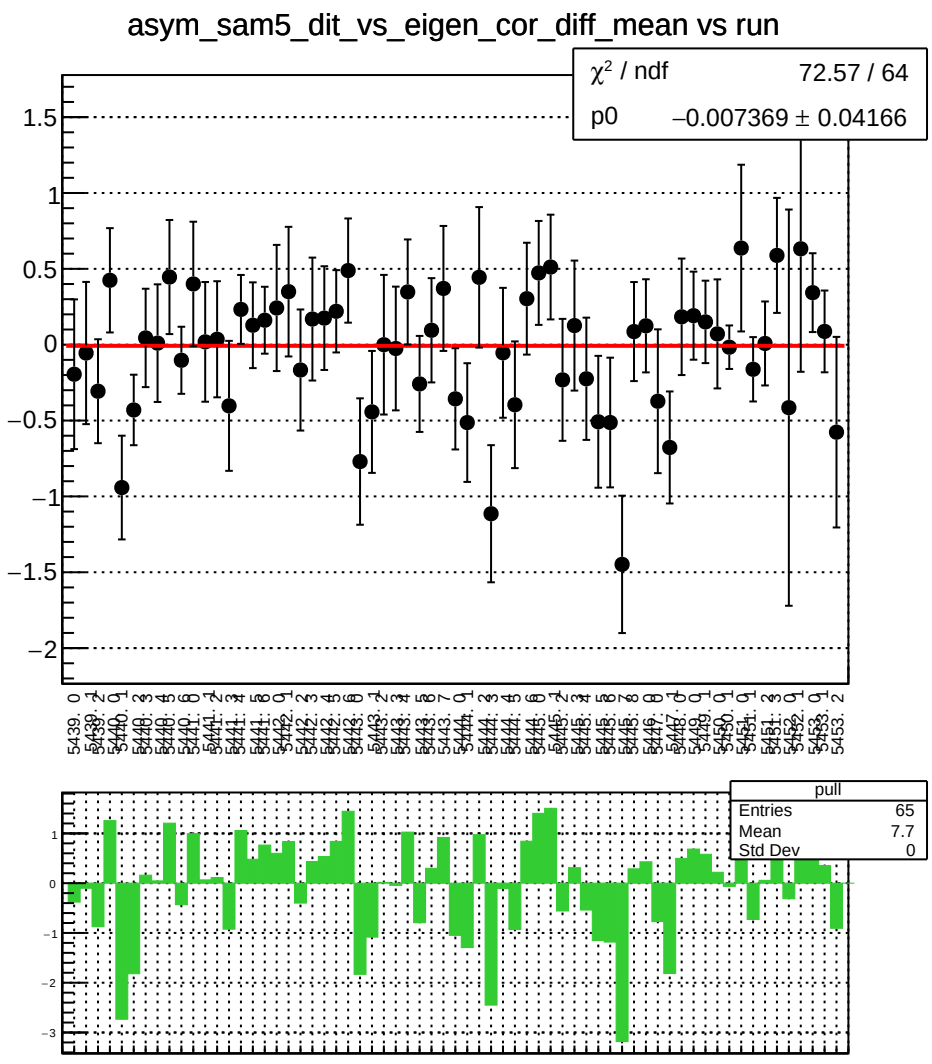

pull1D
Entries 65
Mean −0.02572
Std Dev 1.031

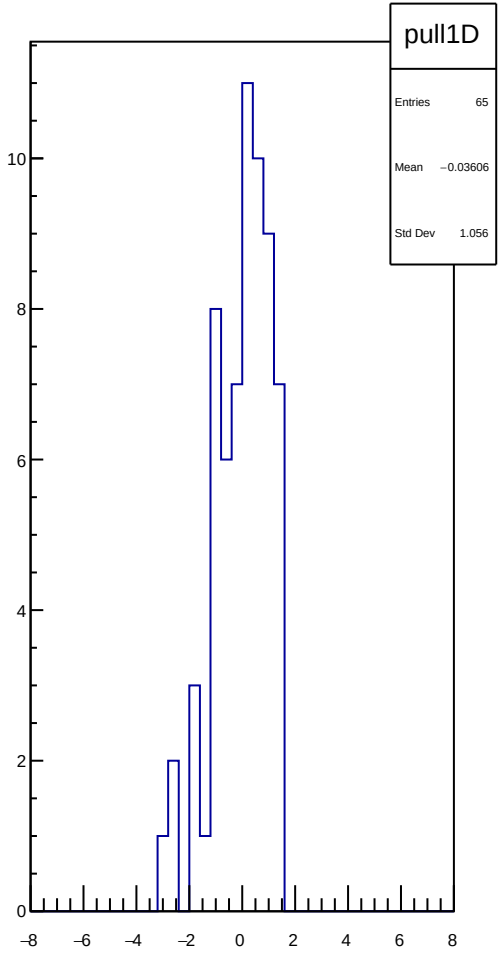

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 5.341e+05 / 64
p0 1.852e−11 ± 2.095e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

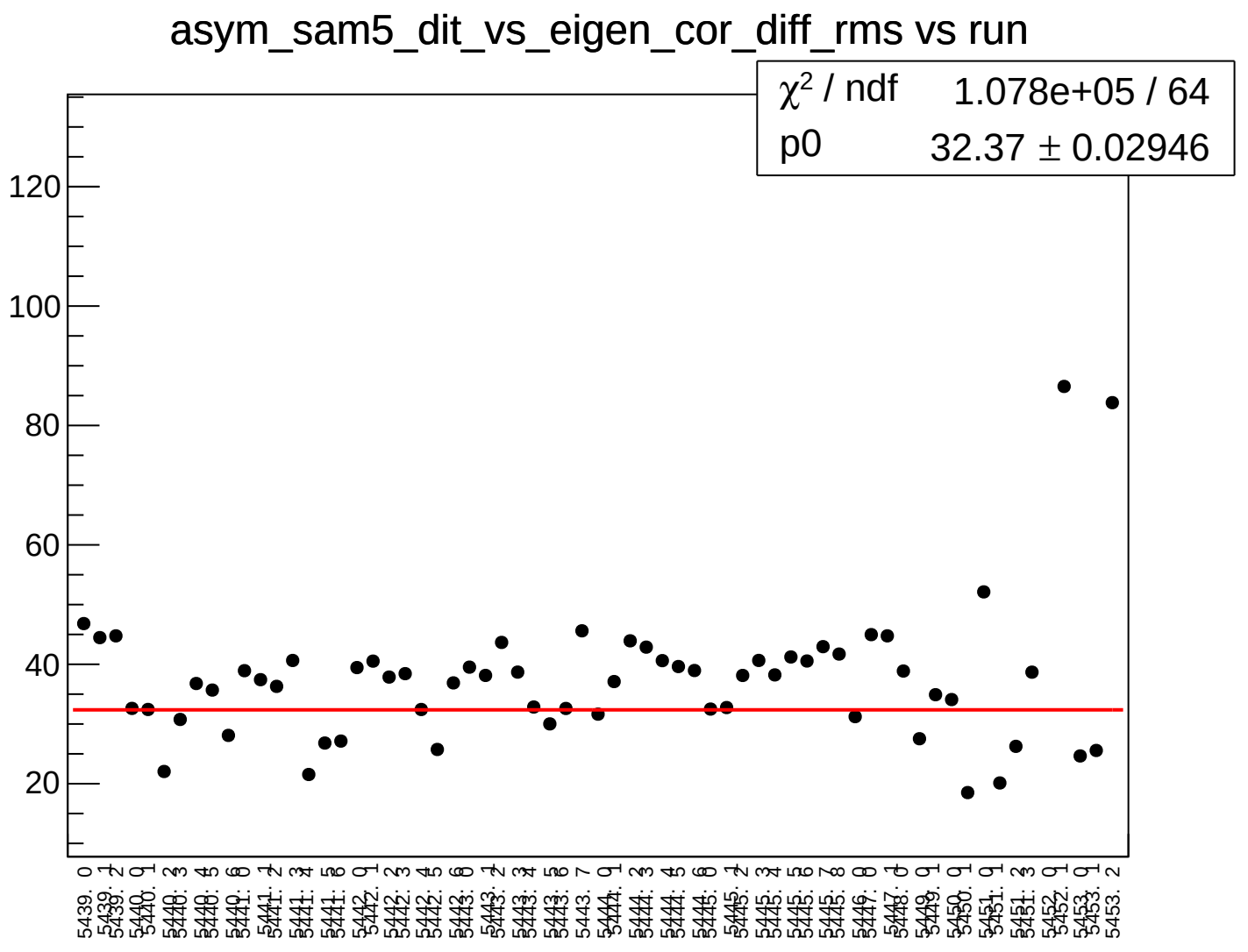

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 72.57 / 64
p0 −0.007369 ± 0.04166
pull
Entries 65
Mean 7.7
Std Dev 0

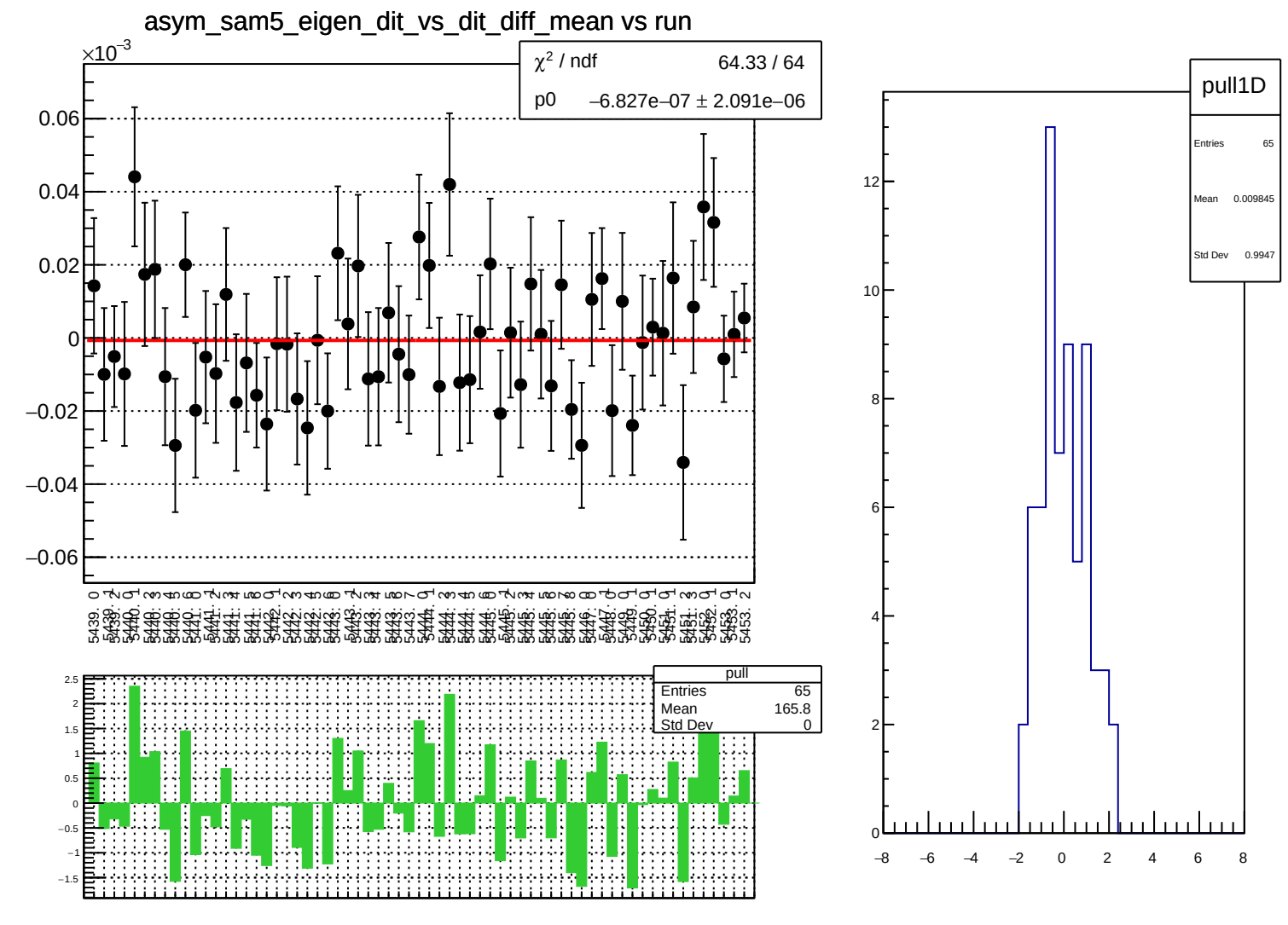

pull1D
Entries 65
Mean −0.03606
Std Dev 1.056

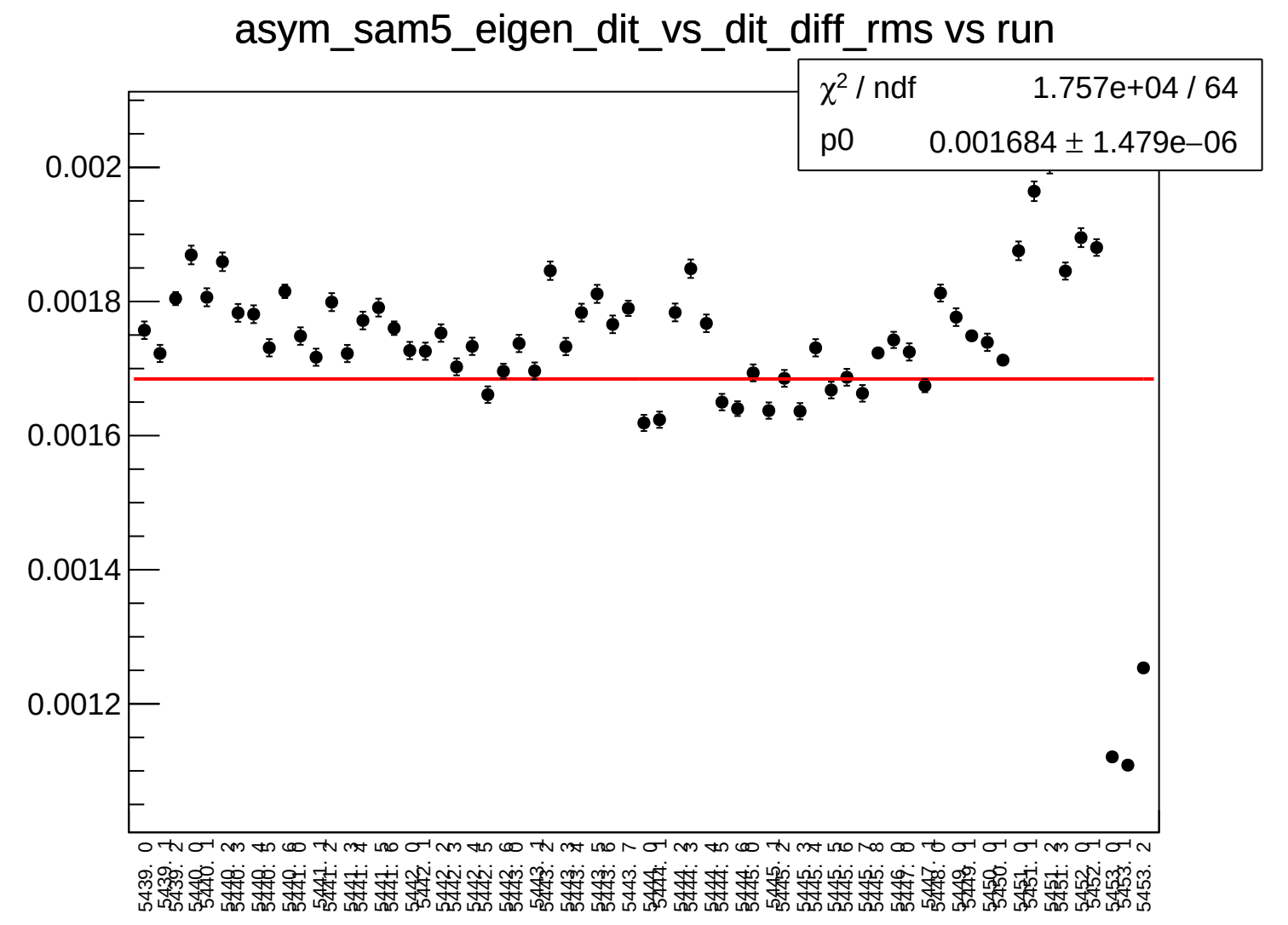

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 64
p0 32.37 ± 0.02946
120
100
80
60
40
20

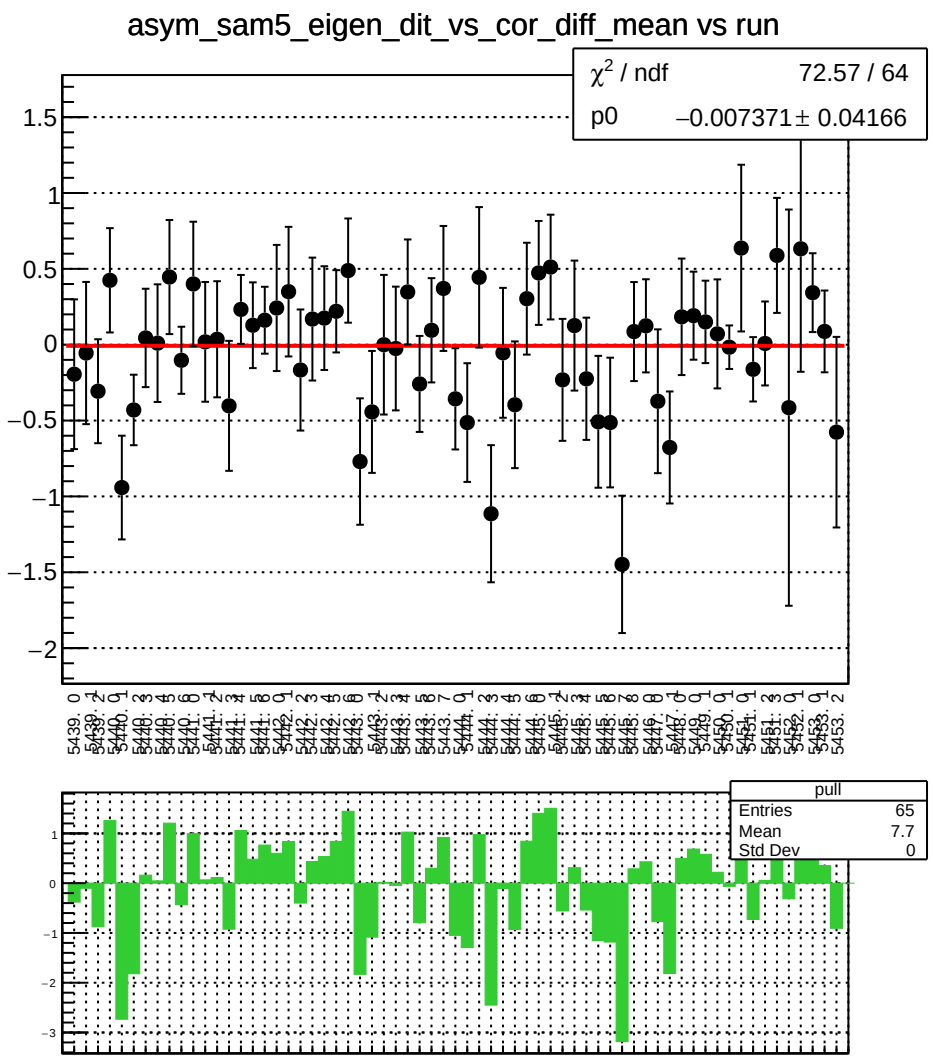

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.57 / 64
p0 −0.007369 ± 0.04166
pull
Entries 65
Mean 7.7
Std Dev 0

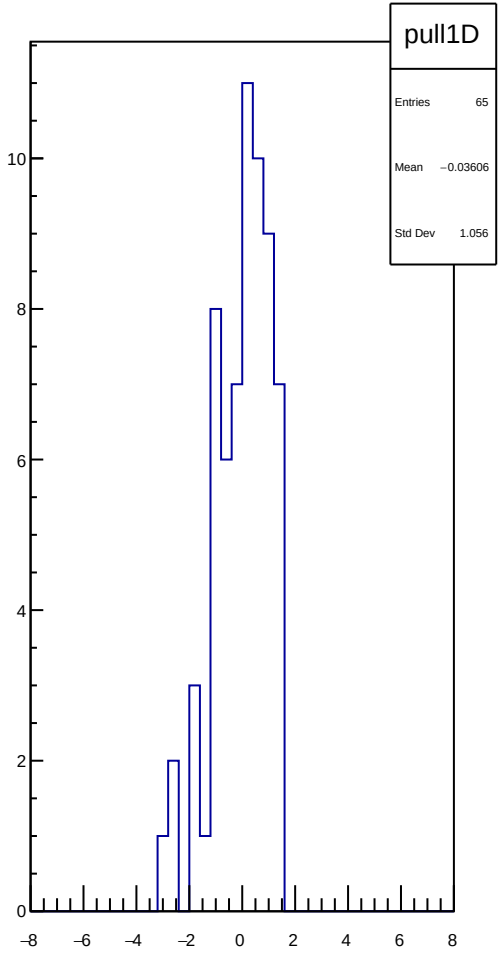

pull1D
Entries 65
Mean −0.03606
Std Dev 1.056

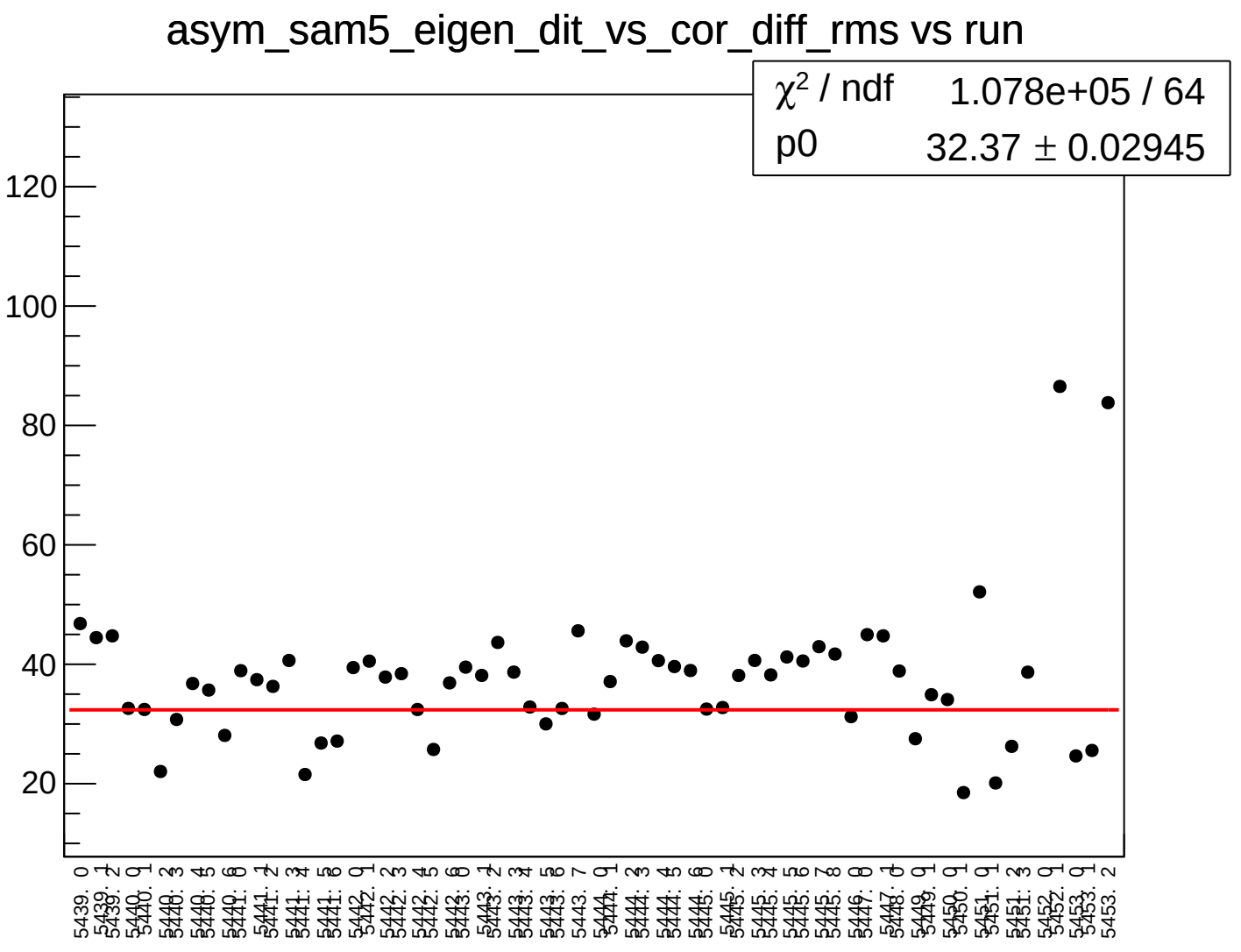

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 64
p0 32.37 ± 0.02946
120
100
80
60
40
20

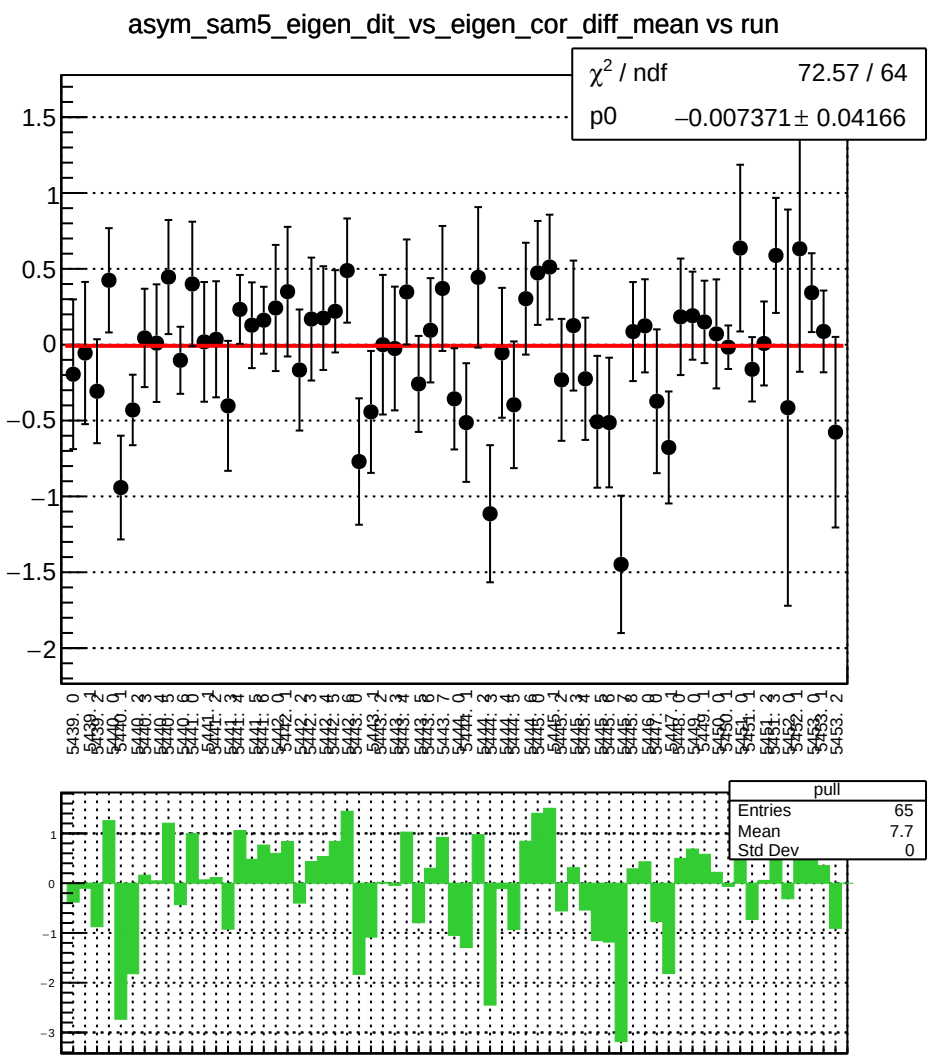

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.33 / 64
p0 −6.827e−07 ± 2.091e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 65
Mean 165.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 65
Mean 0.009845
Std Dev 0.9947
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

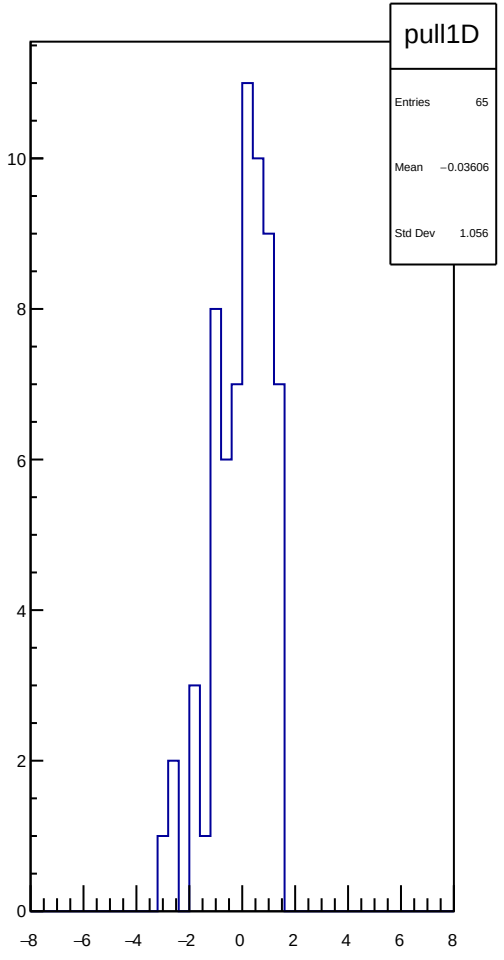

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.757e+04 / 64
p0 0.001684 ± 1.479e−06
0.002
0.0018
0.0016
0.0014
0.0012

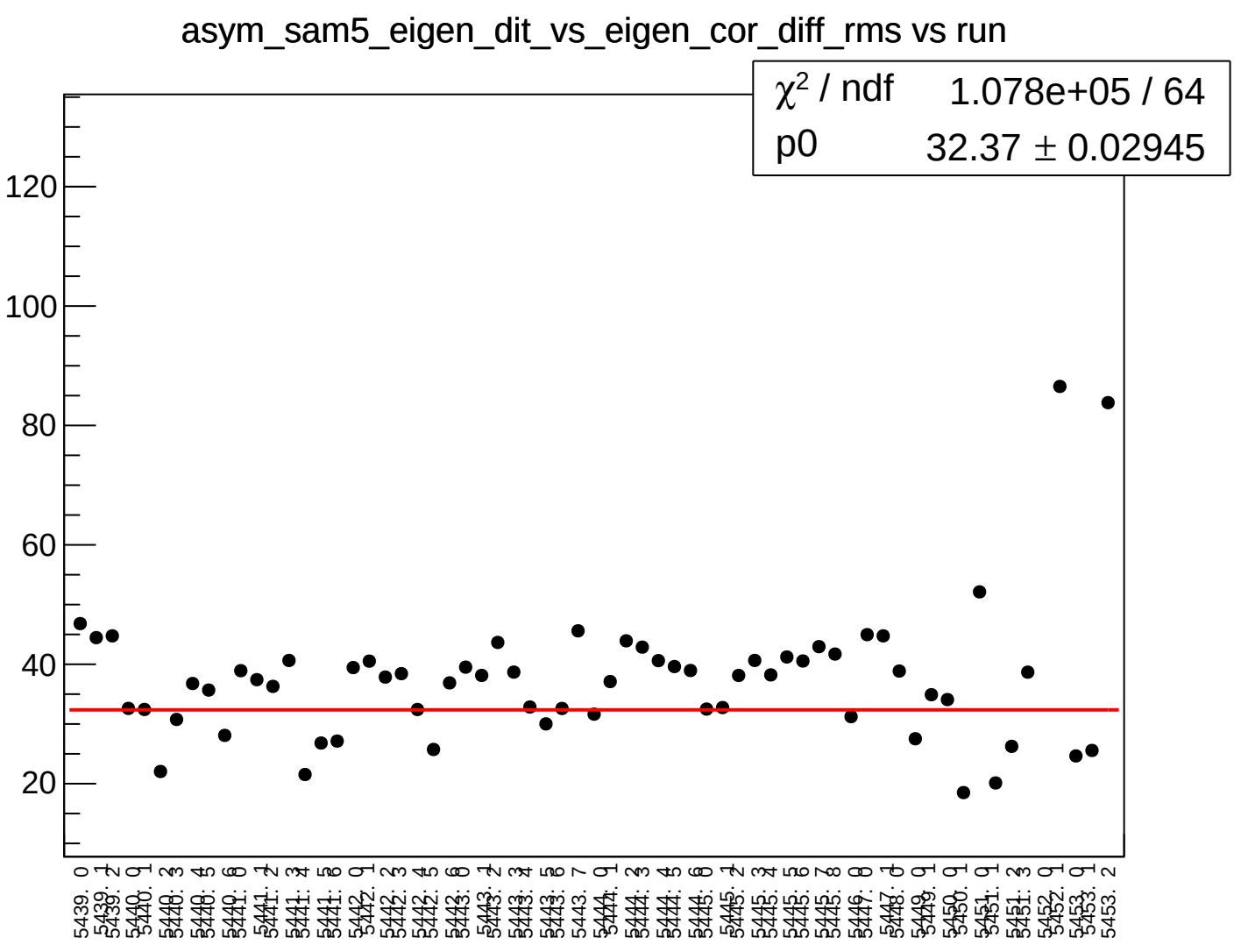

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.57 / 64
p0 −0.007371 ± 0.04166
pull
Entries 65
Mean 7.7
Std Dev 0

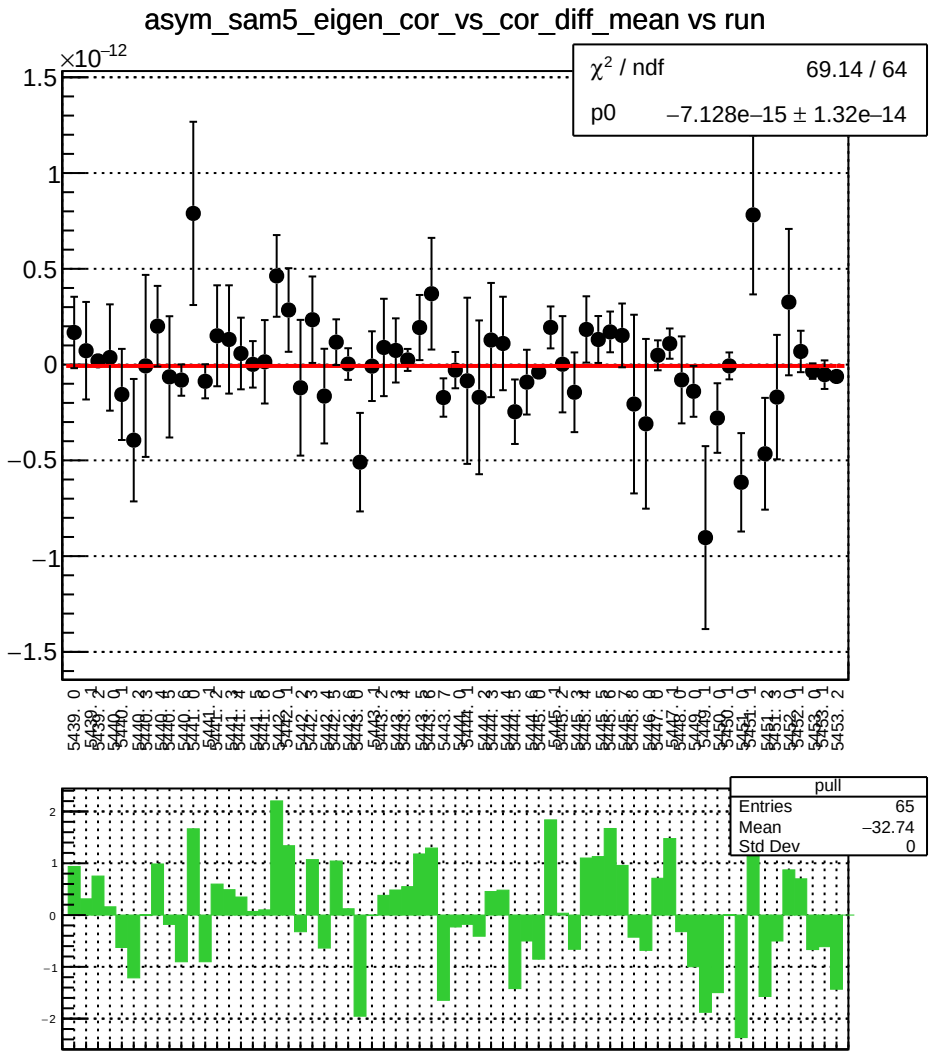

pull1D
Entries 65
Mean −0.03606
Std Dev 1.056

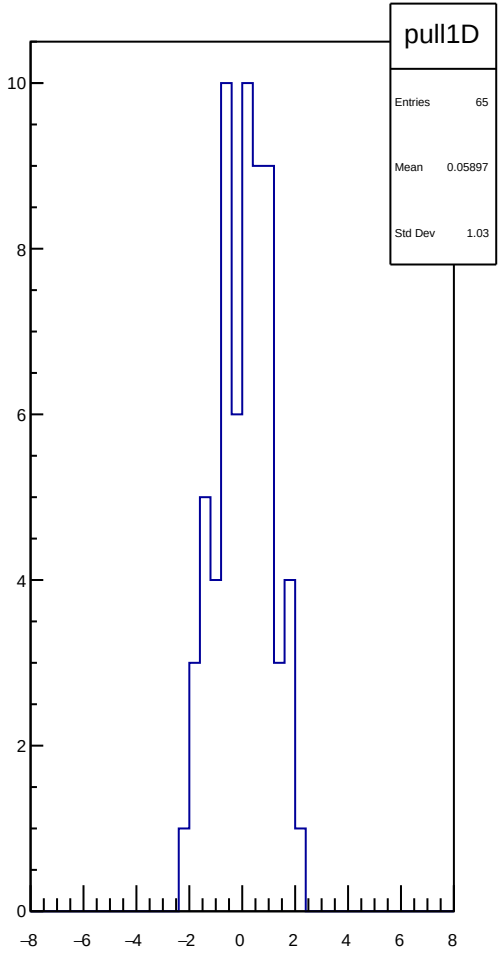

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 64
p0 32.37 ± 0.02945
120
100
80
60
40
20

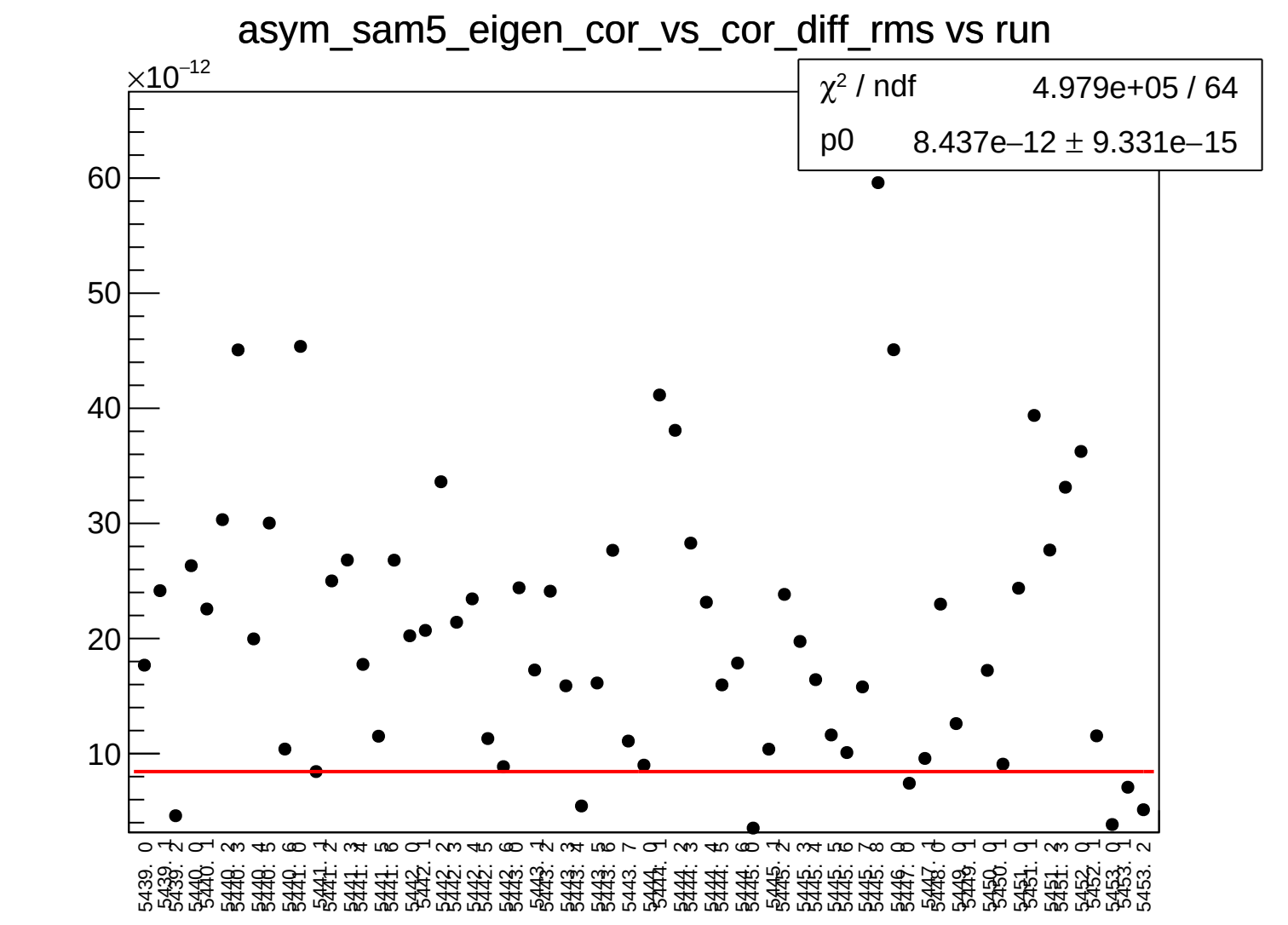

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.57 / 64
p0 −0.007371 ± 0.04166
pull
Entries 65
Mean 7.7
Std Dev 0

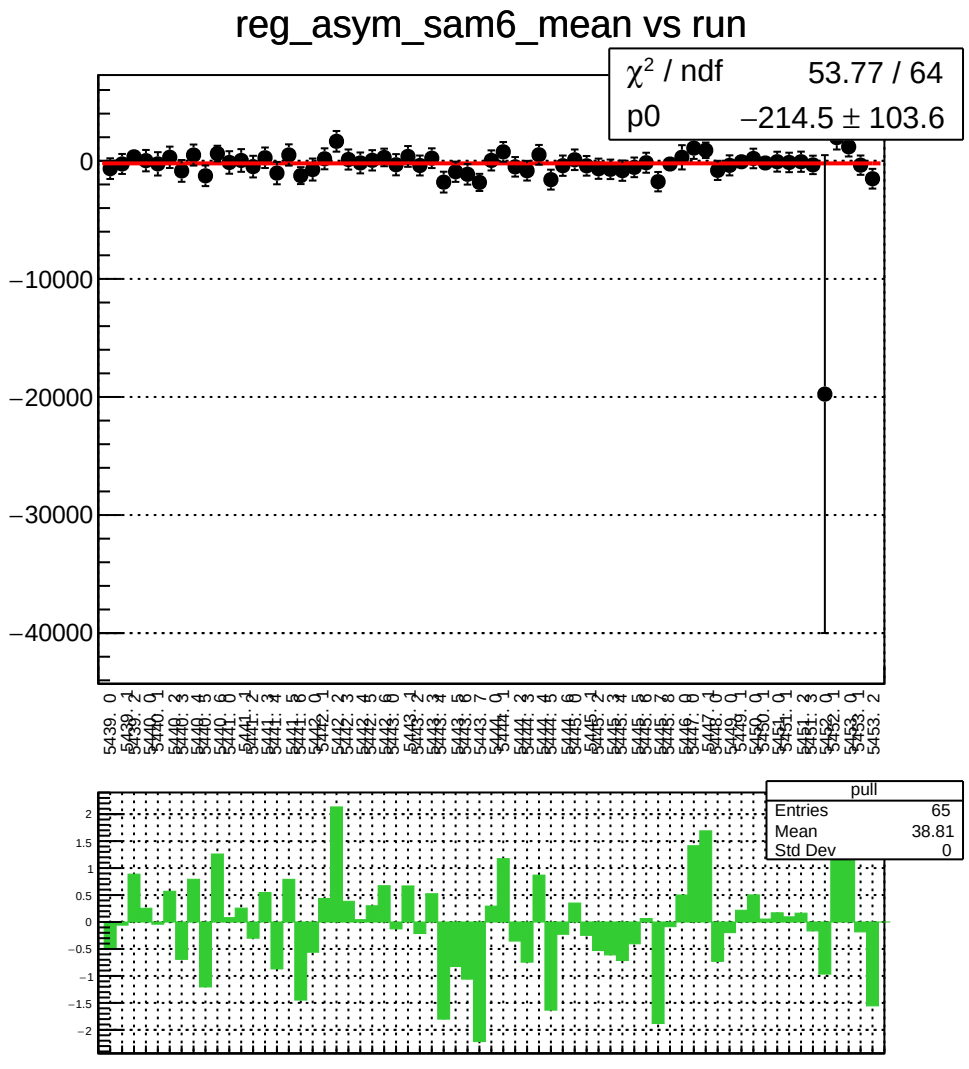

pull1D
Entries 65
Mean −0.03606
Std Dev 1.056

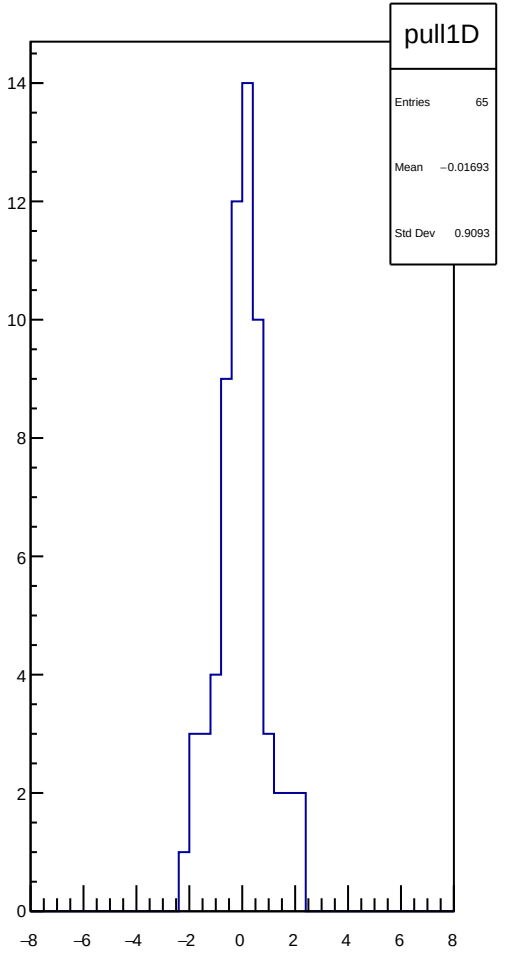

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 64
p0 32.37 ± 0.02945
120
100
80
60
40
20

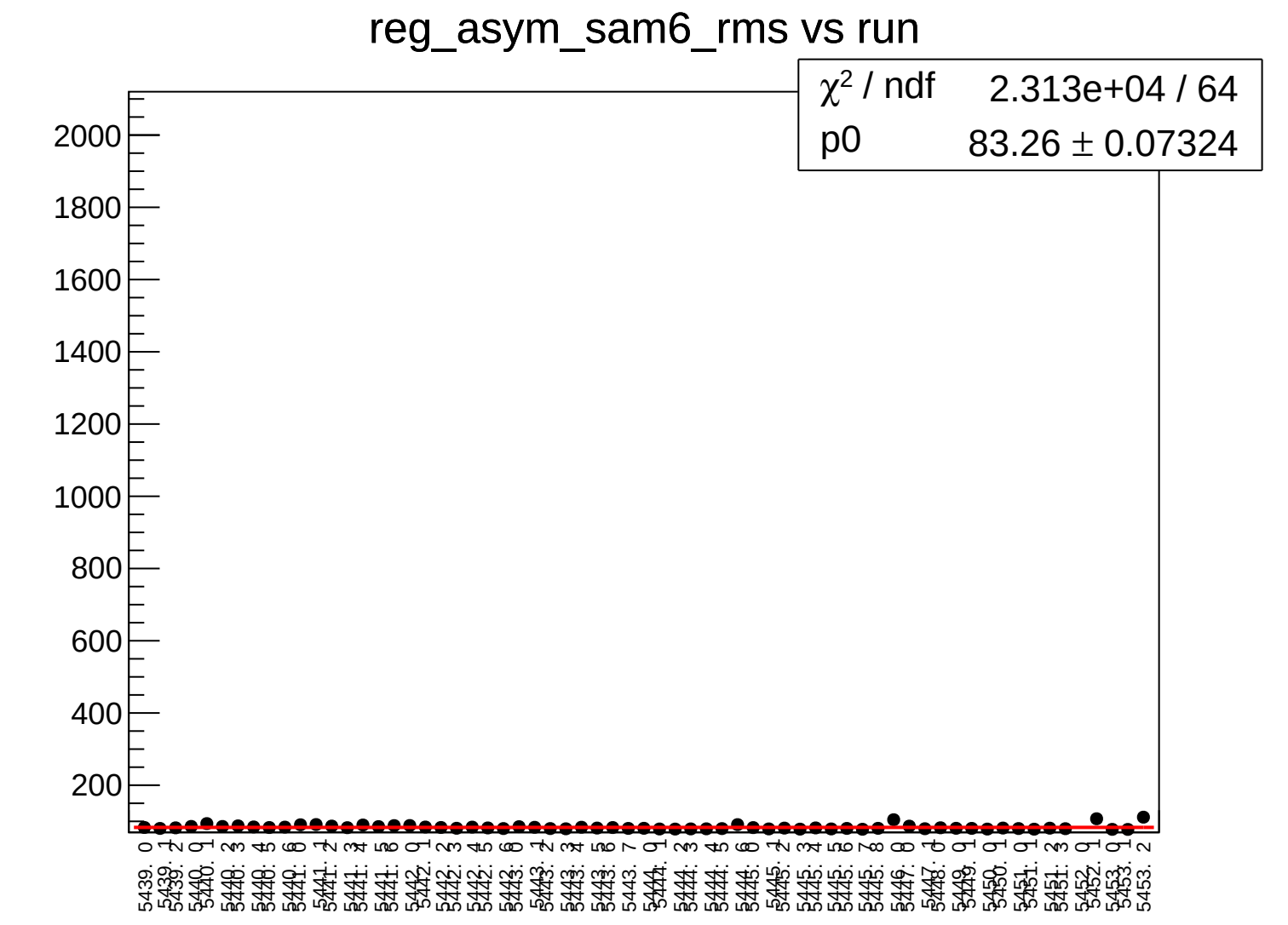

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 69.14 / 64
p0 −7.128e−15 ± 1.32e−14
pull
Entries 65
Mean −32.74
Std Dev 0

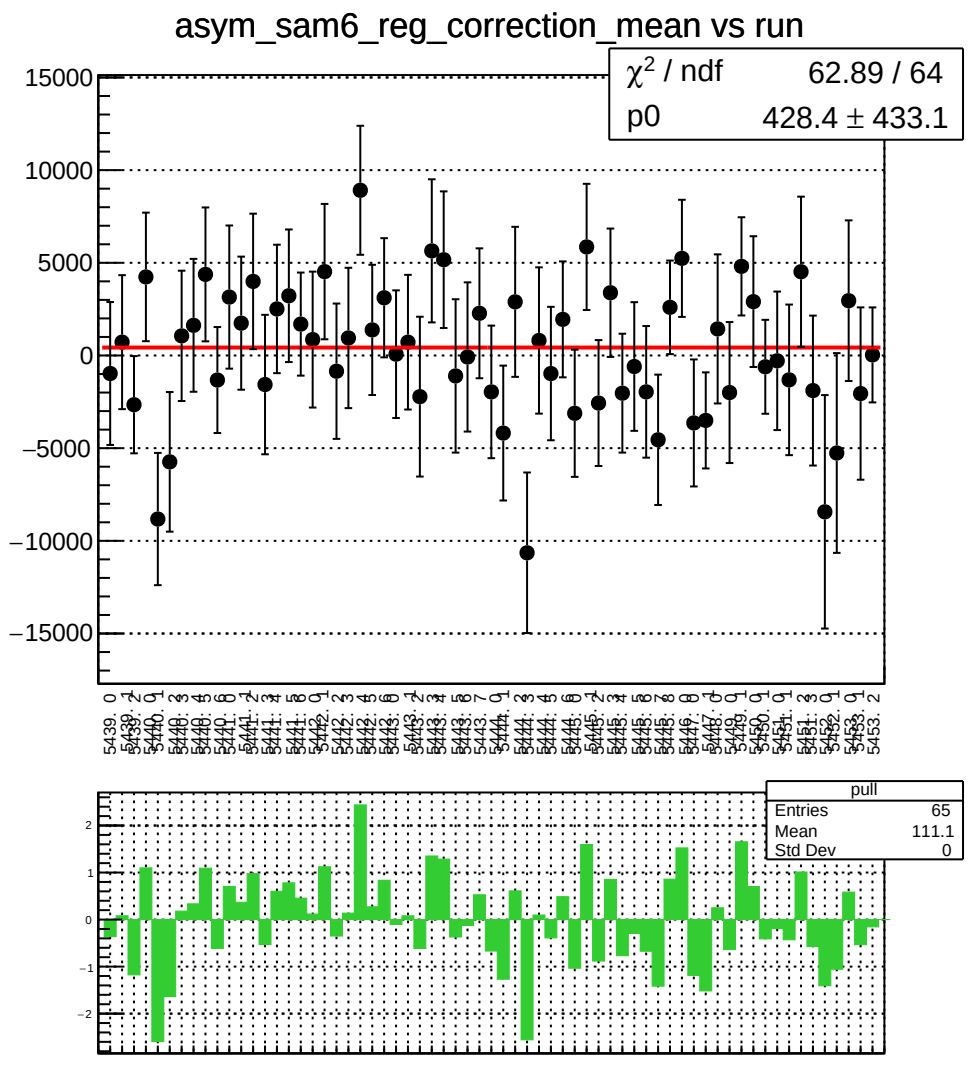

pull1D
Entries 65
Mean 0.05897
Std Dev 1.03

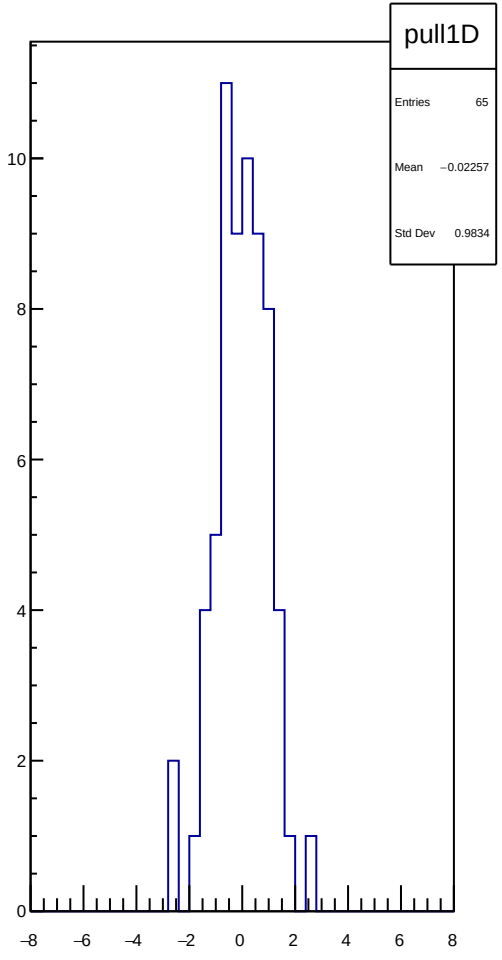

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.979e+05 / 64
p0 8.437e−12 ± 9.331e−15
60
50
40
30
20
10

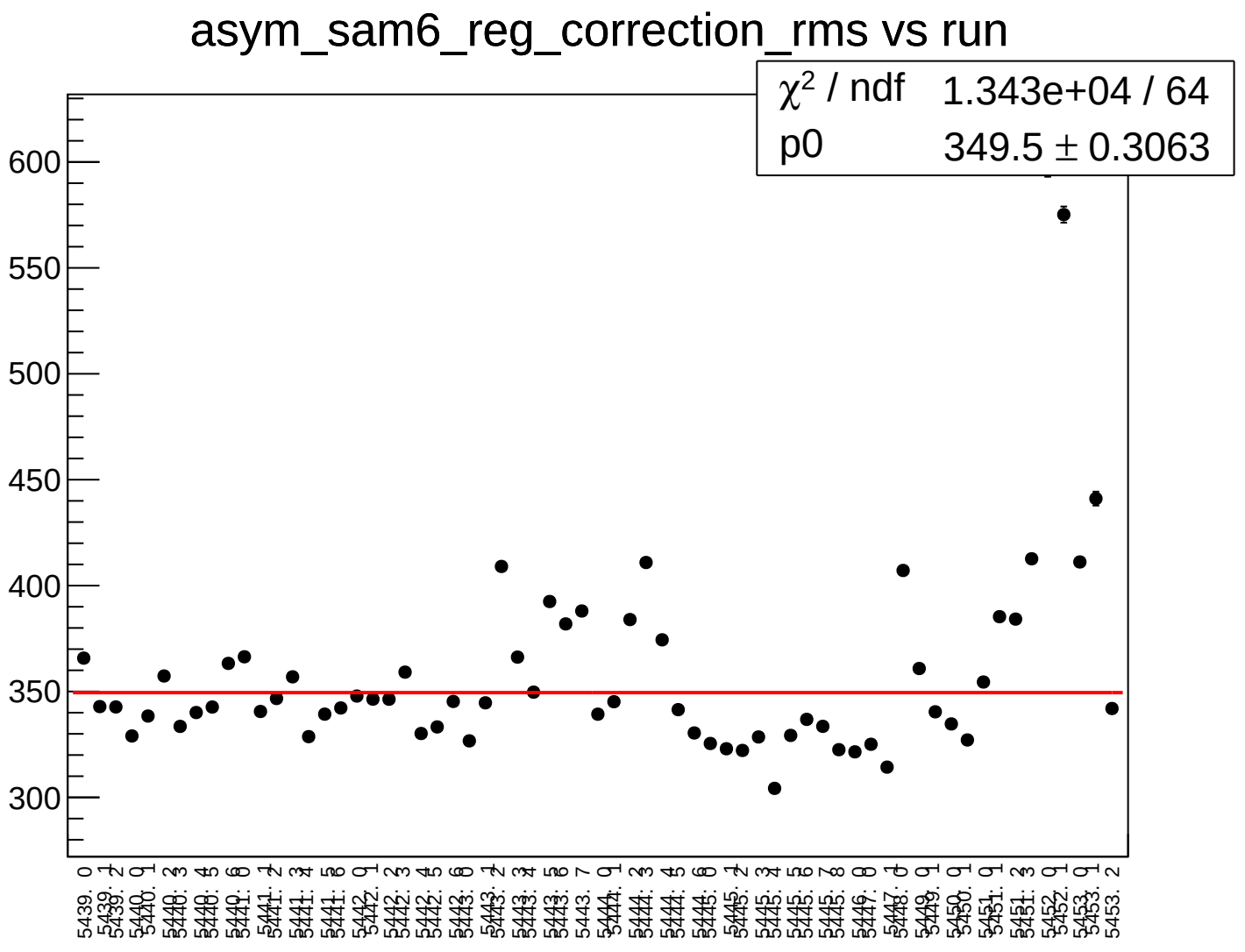

reg_asym_sam6_mean vs run
χ² / ndf 53.77 / 64
p0 −214.5 ± 103.6
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean 38.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

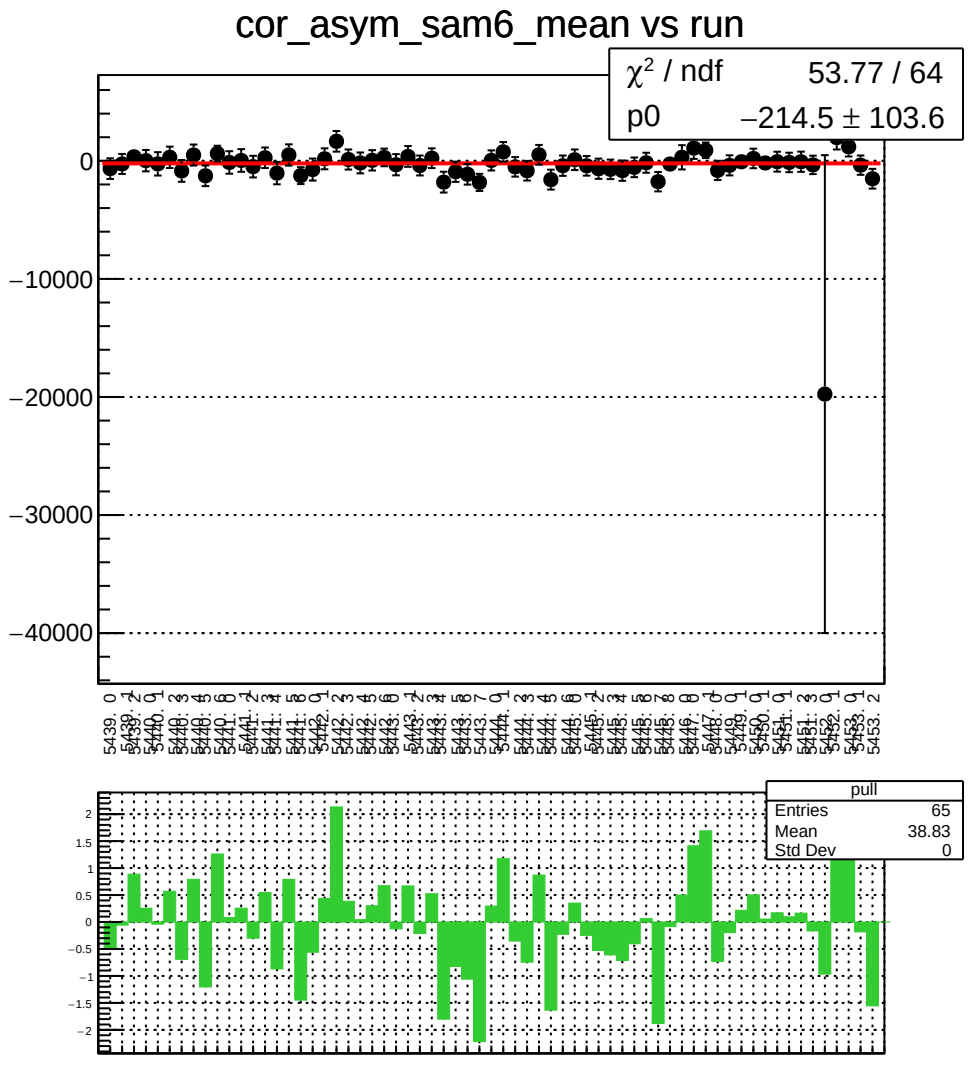

pull1D
Entries 65
Mean −0.01693
Std Dev 0.9093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

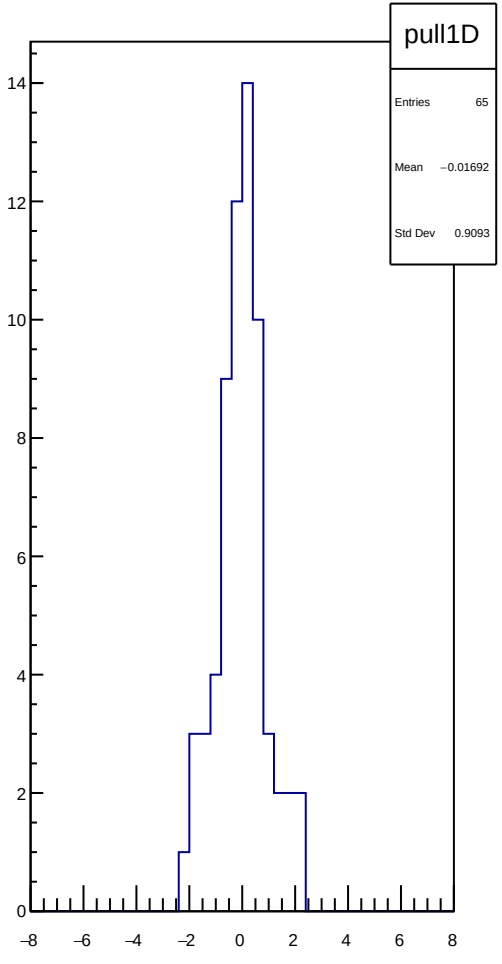

reg_asym_sam6_rms vs run
χ^2 / ndf 2.313e+04 / 64
p0 83.26 ± 0.07324
2000
1800
1600
1400
1200
1000
800
600
400
200

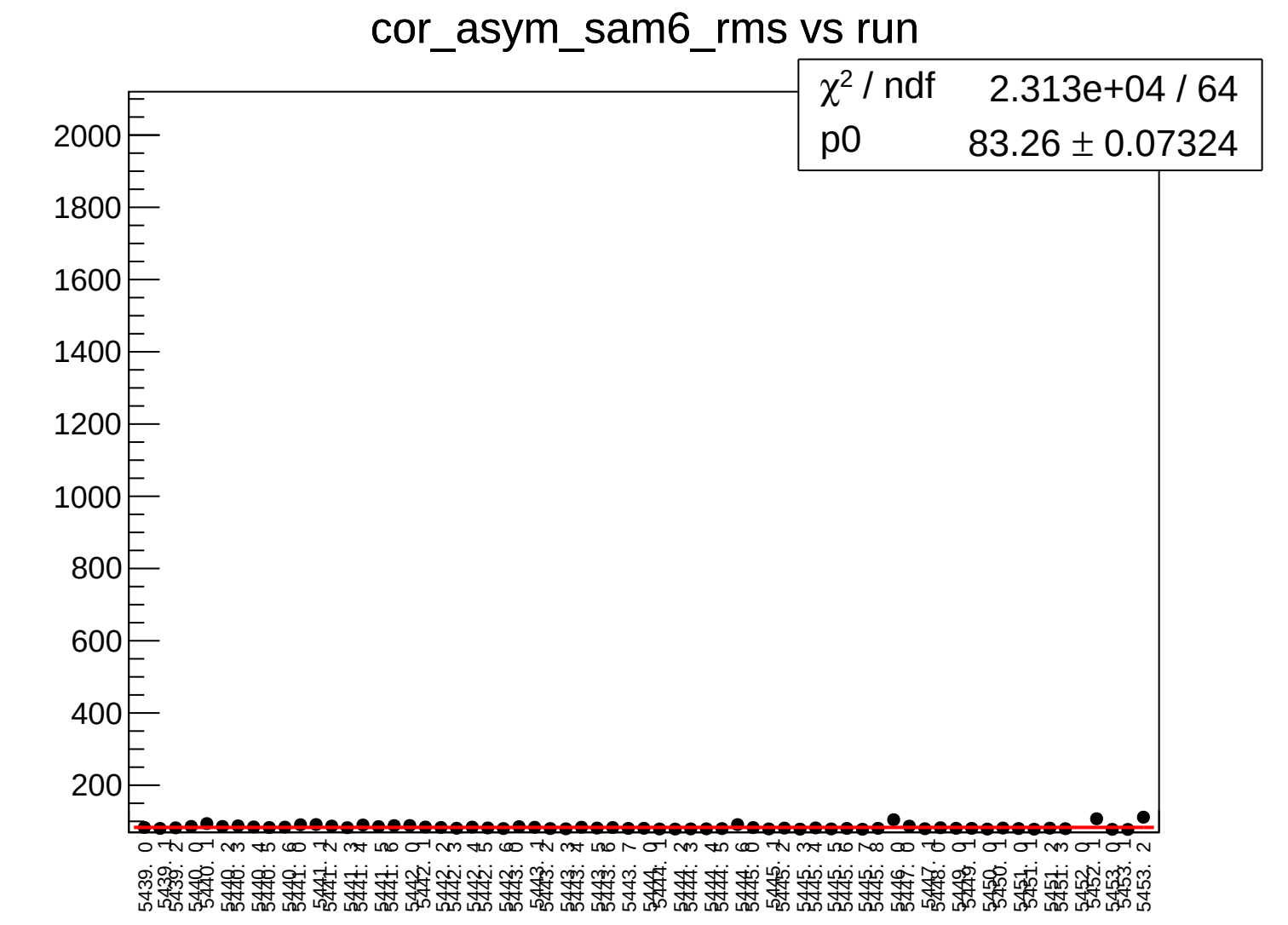

asym_sam6_reg_correction_mean vs run
χ² / ndf 62.89 / 64
p0 428.4 ± 433.1
pull
Entries 65
Mean 111.1
Std Dev 0

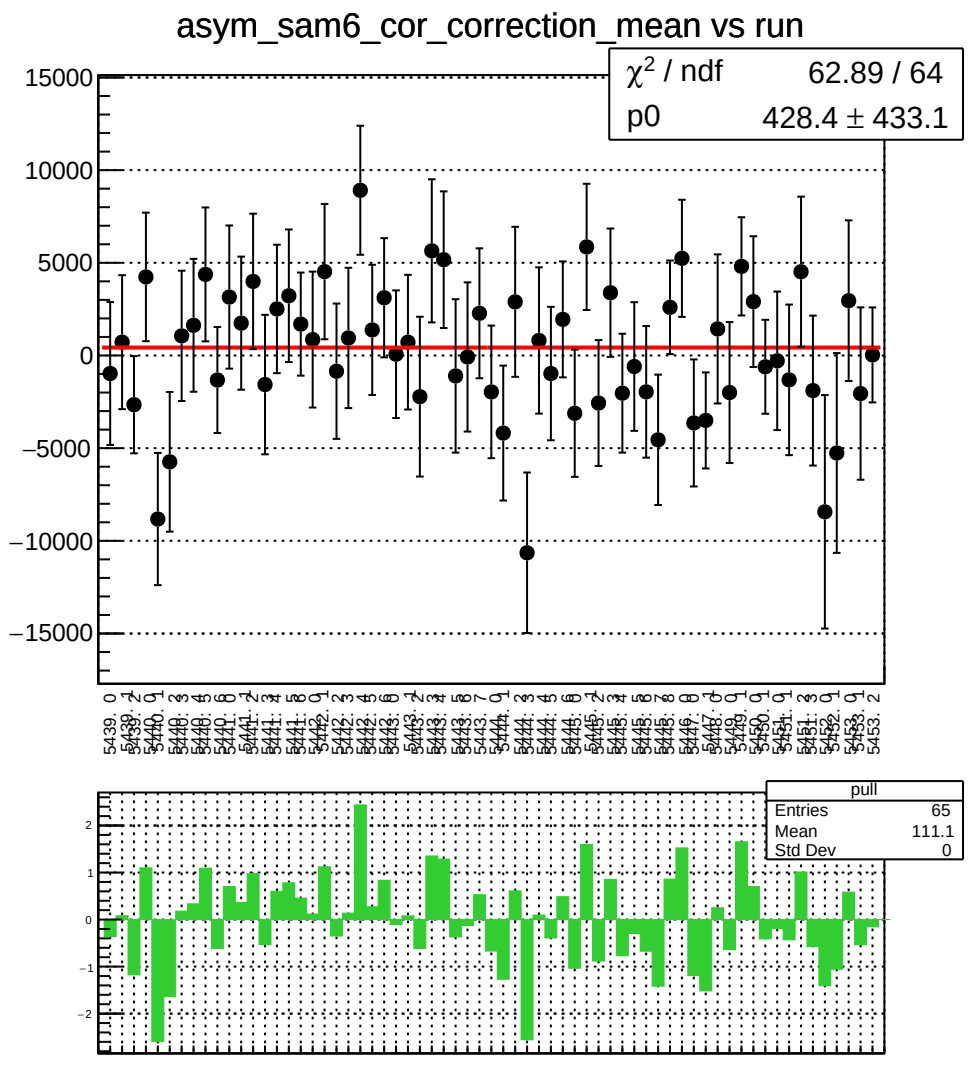

pull1D
Entries 65
Mean −0.02257
Std Dev 0.9834

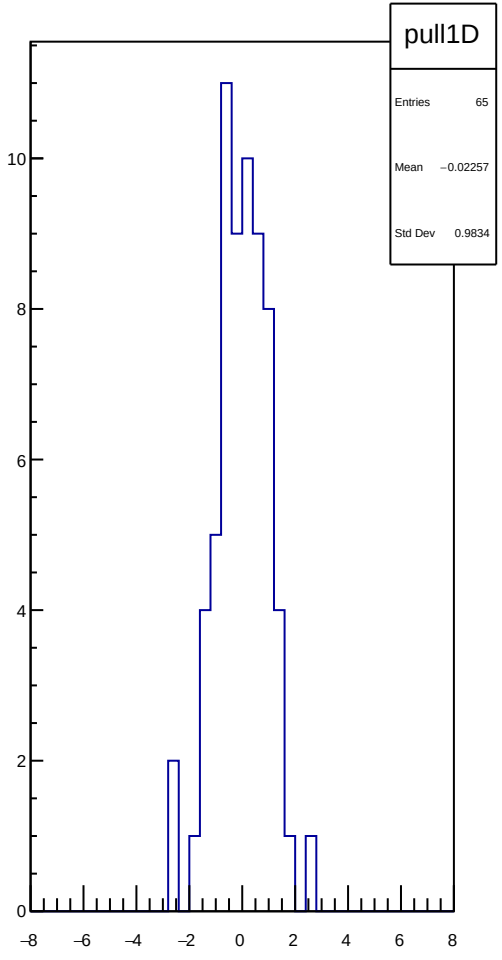

asym_sam6_reg_correction_rms vs run
χ² / ndf 1.343e+04 / 64
p0 349.5 ± 0.3063
600
550
500
450
400
350
300

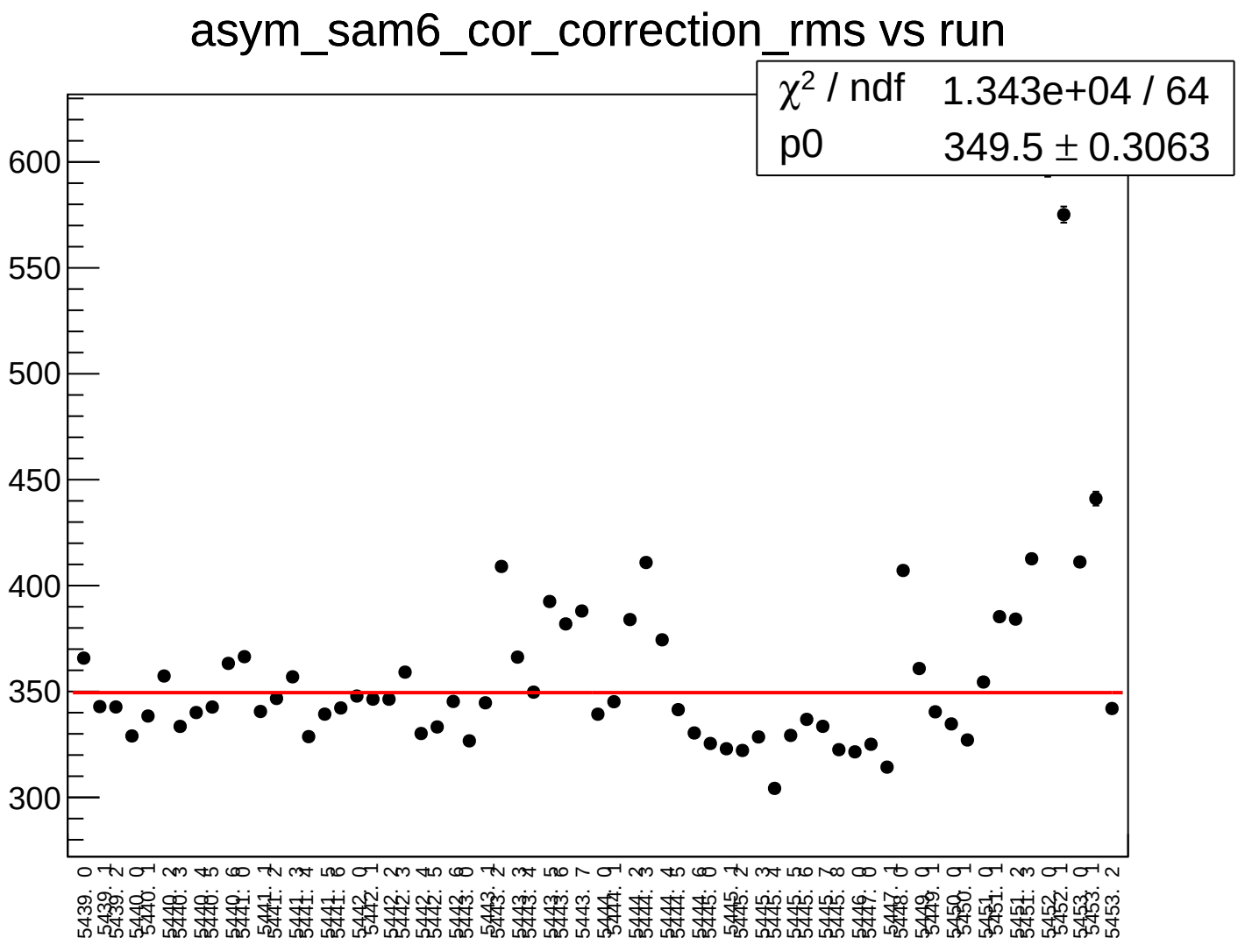

cor_asym_sam6_mean vs run
χ² / ndf 53.77 / 64
p0 −214.5 ± 103.6
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean 38.83
Std Dev 0

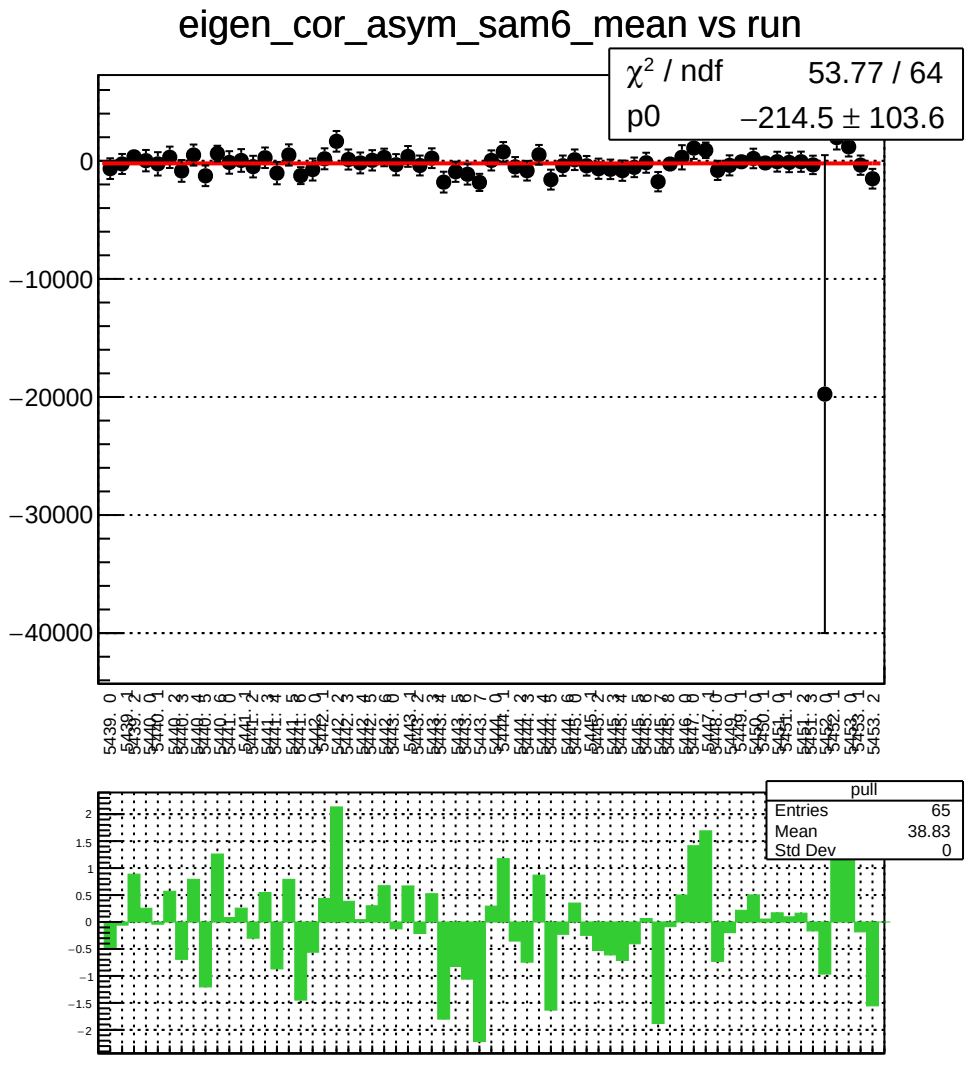

pull1D
Entries 65
Mean −0.01692
Std Dev 0.9093

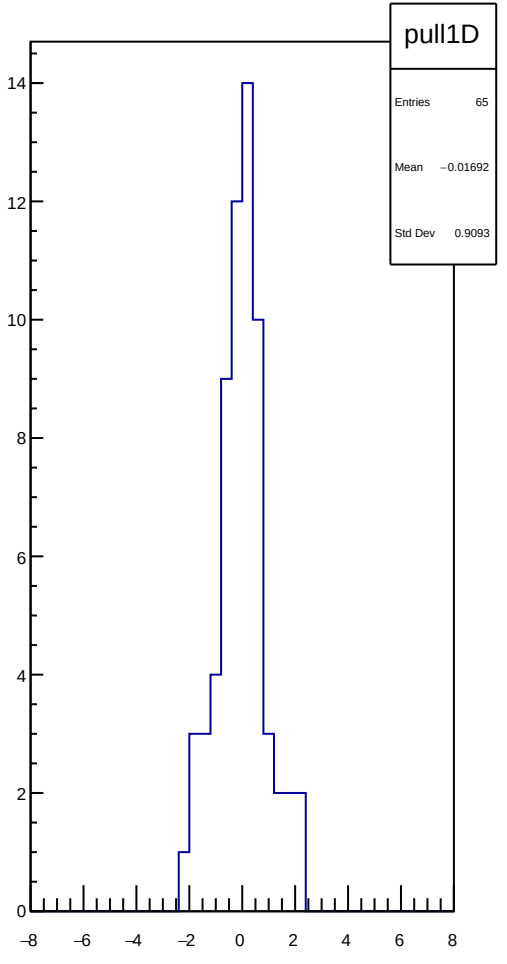

cor_asym_sam6_rms vs run
χ² / ndf 2.313e+04 / 64
p0 83.26 ± 0.07324
2000
1800
1600
1400
1200
1000
800
600
400
200

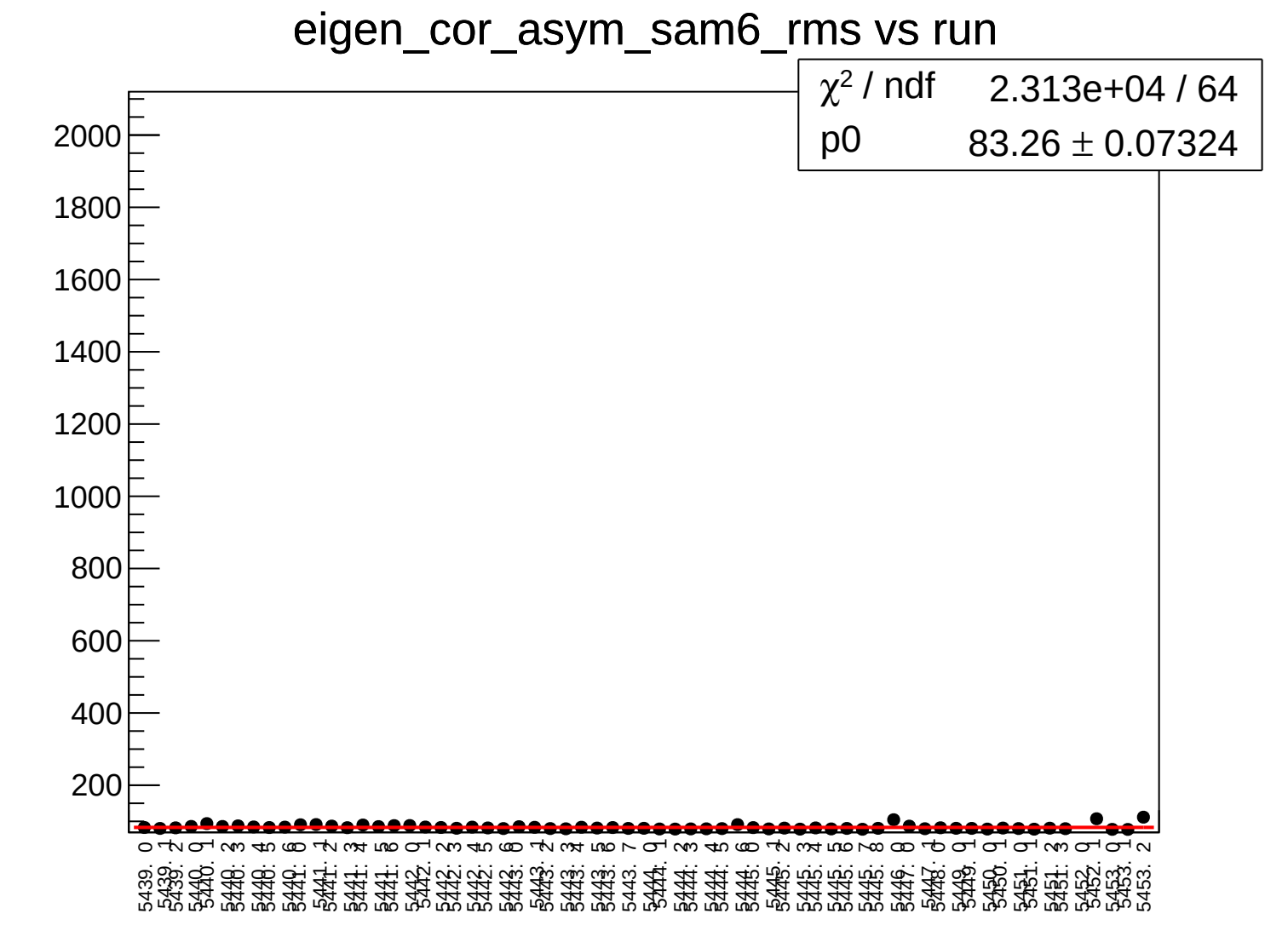

asym_sam6_cor_correction_mean vs run
χ² / ndf 62.89 / 64
p0 428.4 ± 433.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 111.1
Std Dev 0
2
1
0
−1
−2

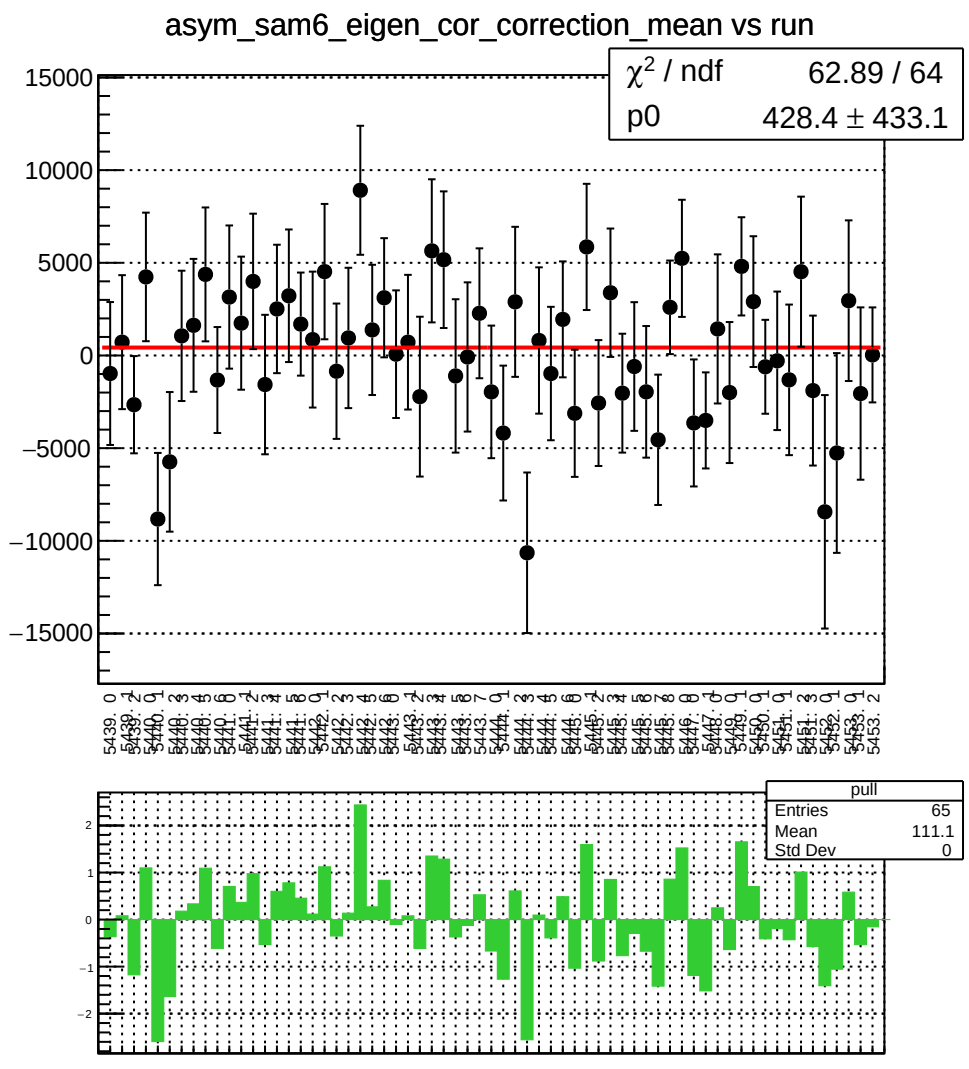

pull1D
Entries 65
Mean −0.02257
Std Dev 0.9834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

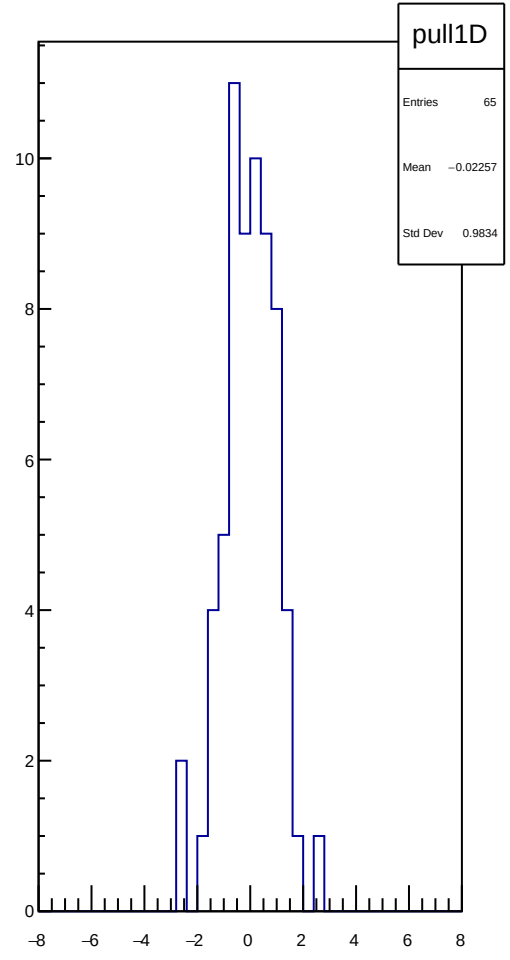

asym_sam6_cor_correction_rms vs run
χ² / ndf 1.343e+04 / 64
p0 349.5 ± 0.3063
600
550
500
450
400
350
300

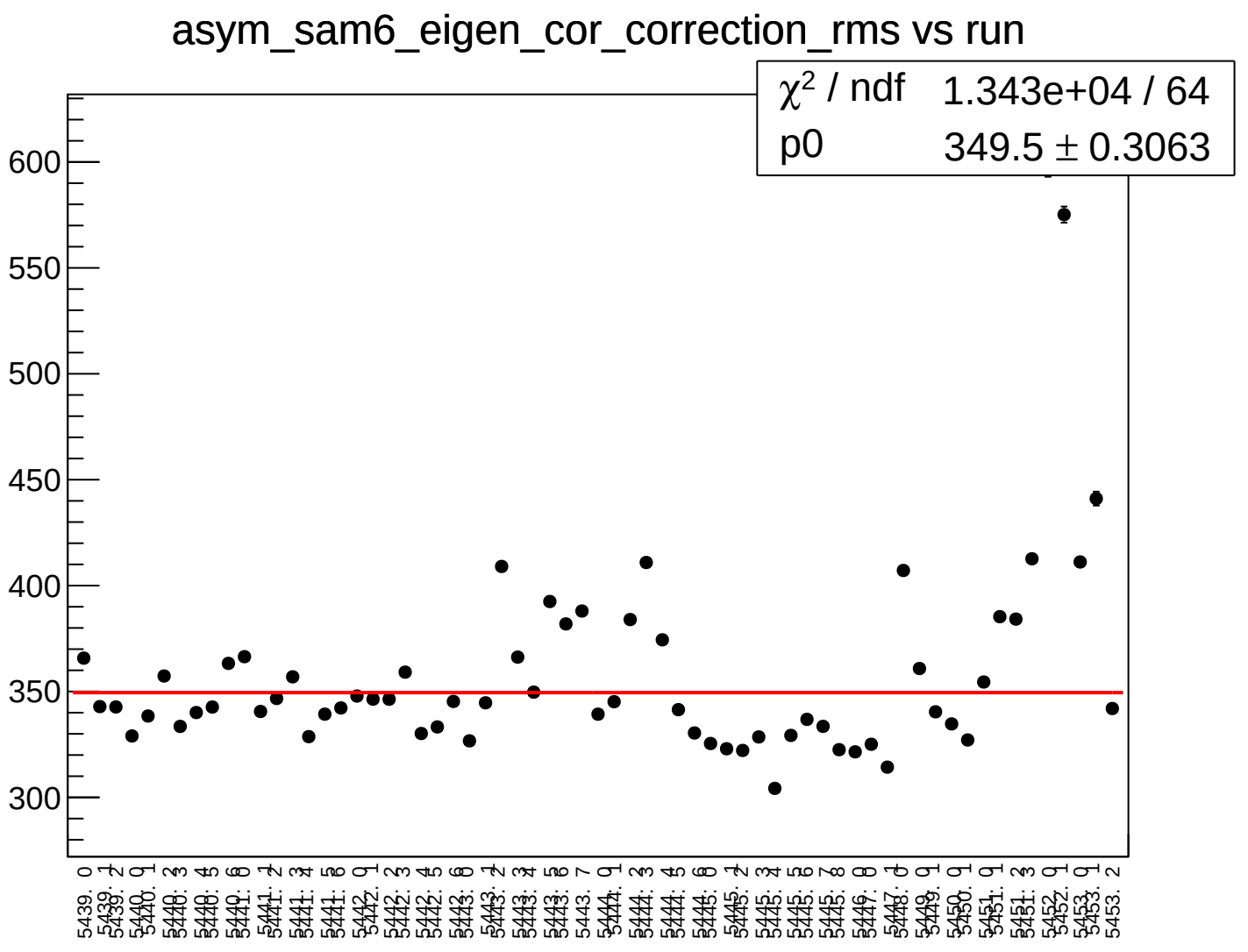

eigen_cor_asym_sam6_mean vs run
χ² / ndf 53.77 / 64
p0 −214.5 ± 103.6
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean 38.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

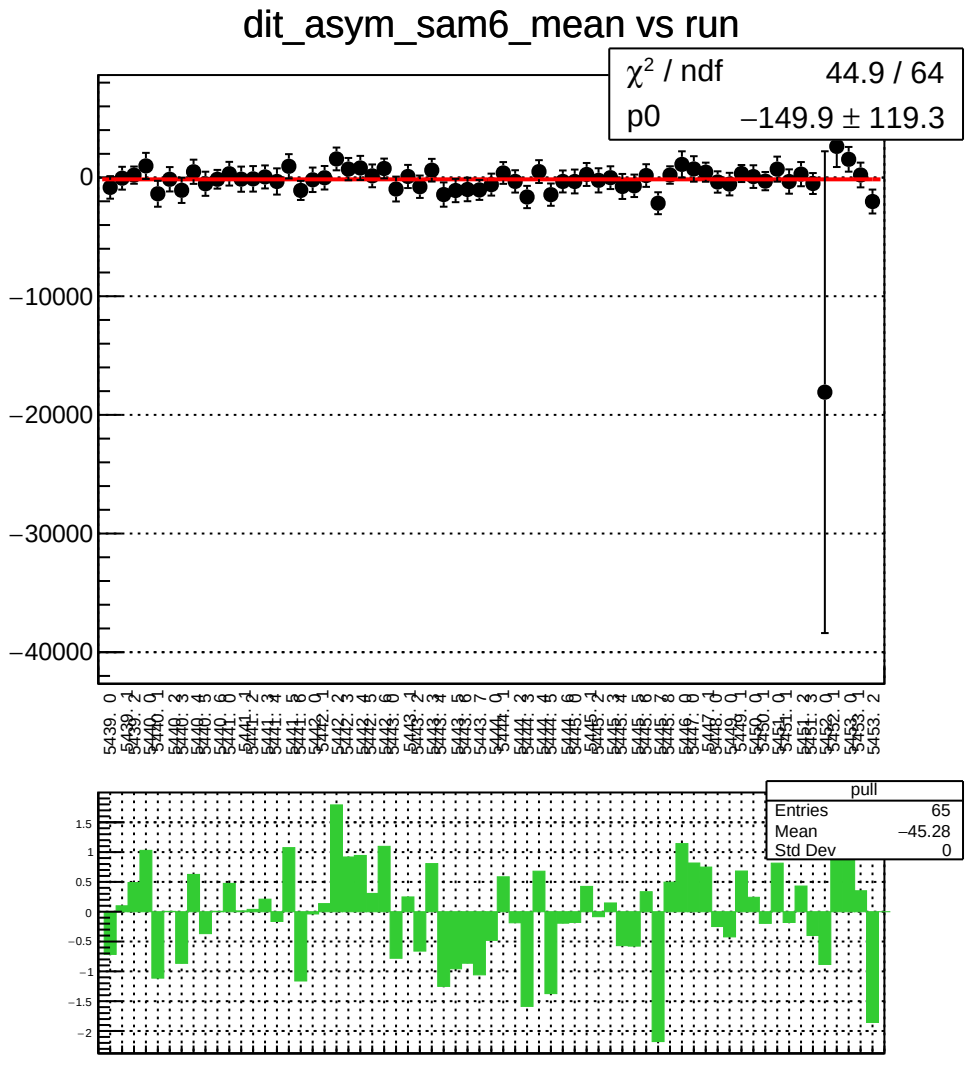

pull1D
Entries 65
Mean −0.01692
Std Dev 0.9093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

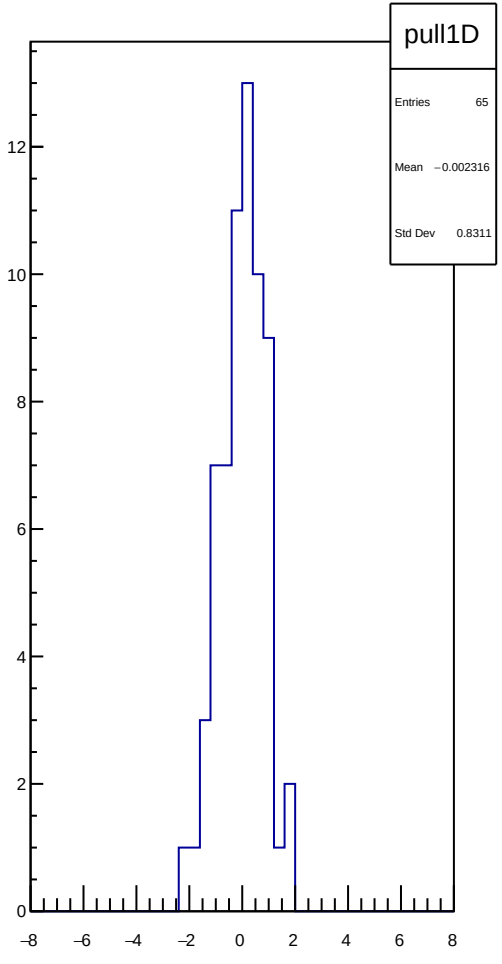

eigen_cor_asym_sam6_rms vs run
χ^2 / ndf 2.313e+04 / 64
p0 83.26 ± 0.07324
2000
1800
1600
1400
1200
1000
800
600
400
200

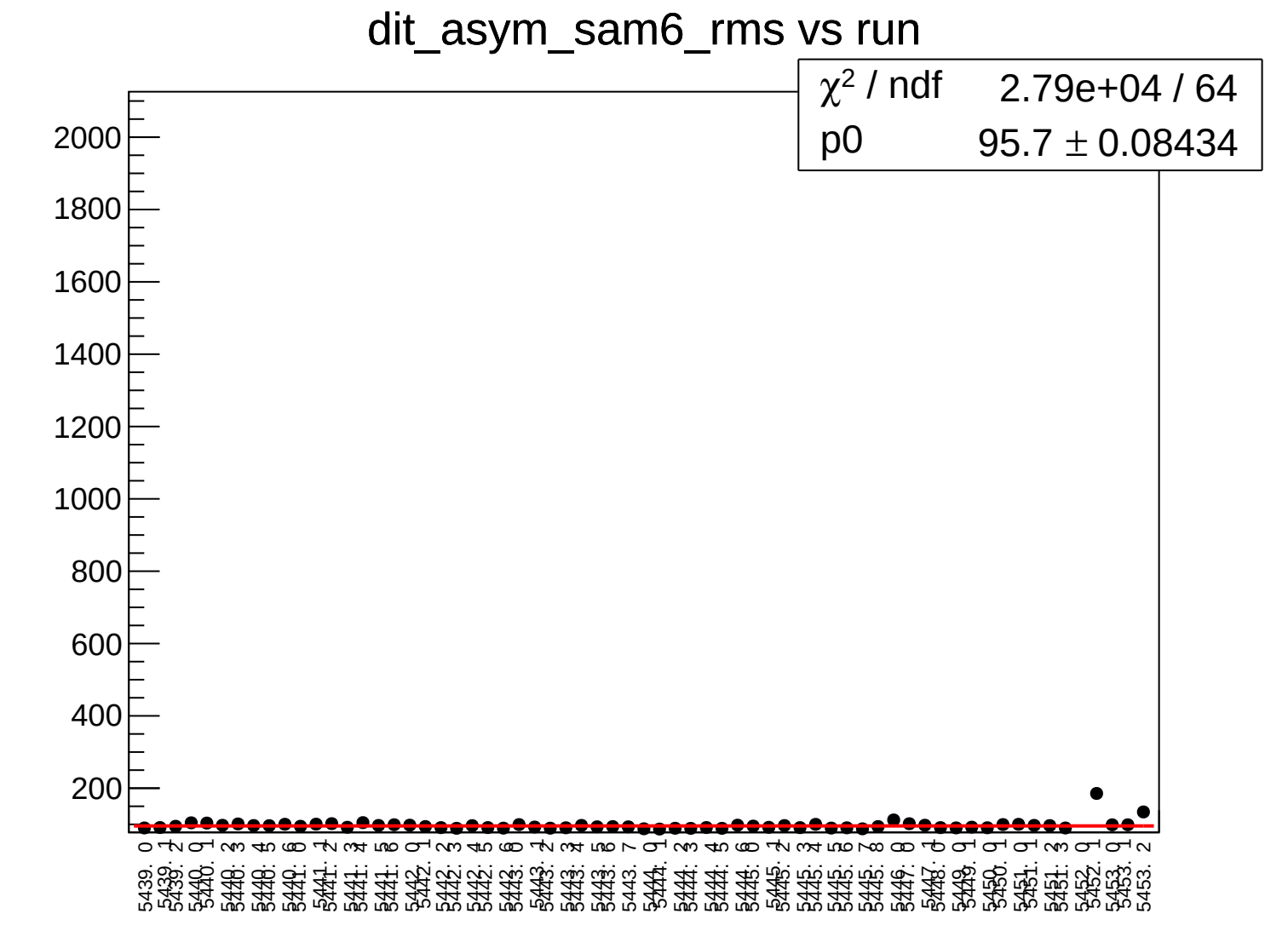

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 62.89 / 64
p0 428.4 ± 433.1
pull
Entries 65
Mean 111.1
Std Dev 0

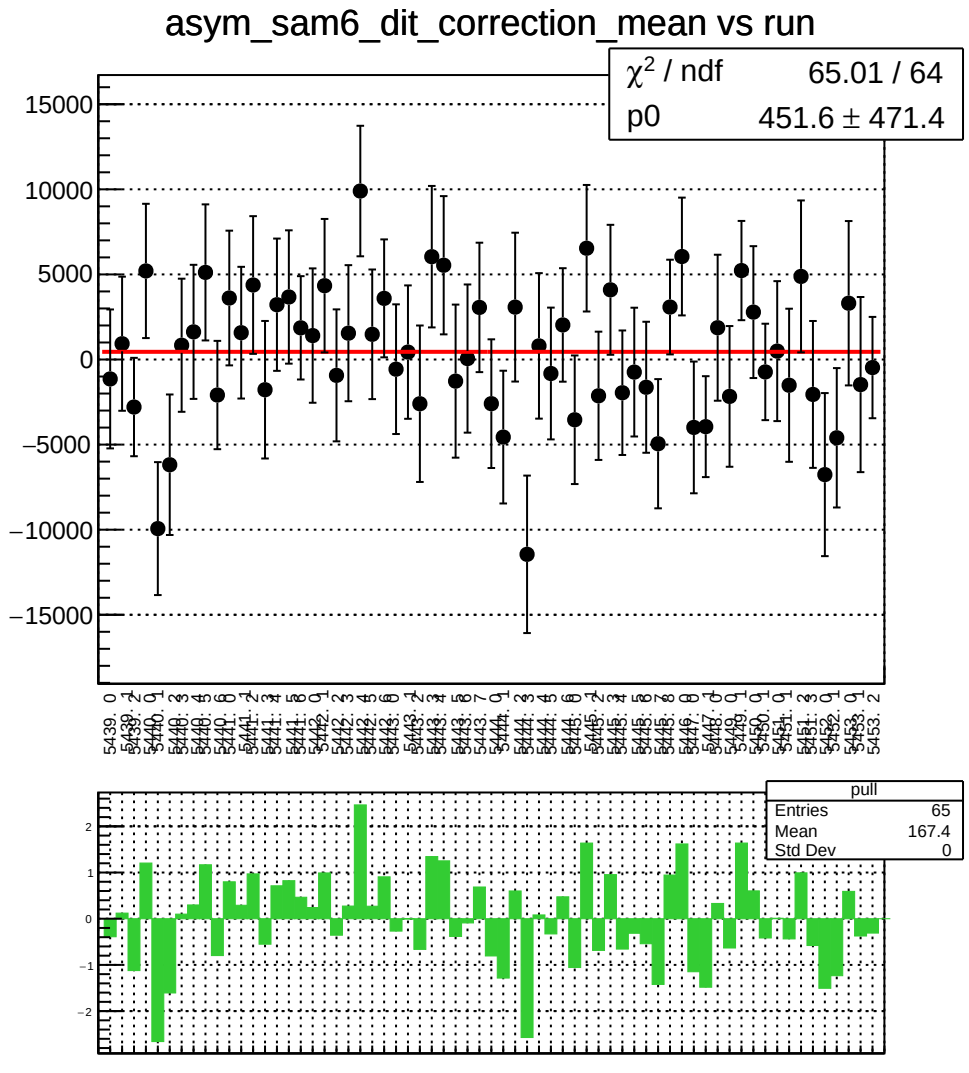

pull1D
Entries 65
Mean −0.02257
Std Dev 0.9834

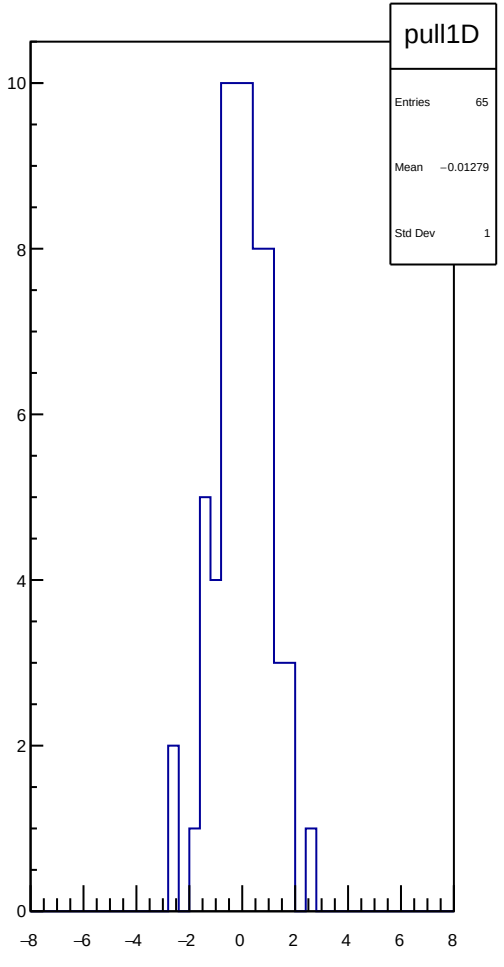

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 1.343e+04 / 64
p0 349.5 ± 0.3063
600
550
500
450
400
350
300

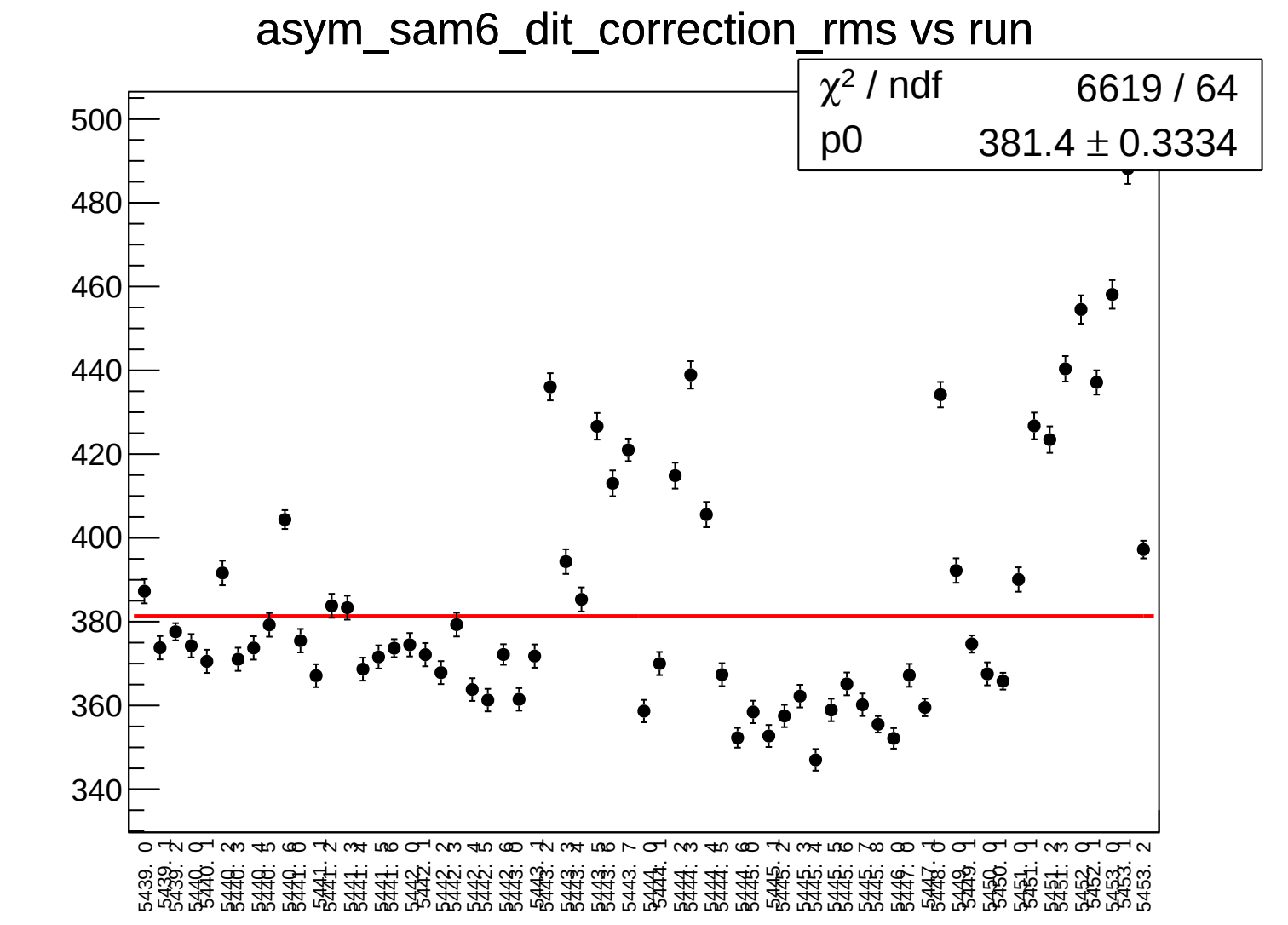

dit_asym_sam6_mean vs run
χ² / ndf 44.9 / 64
p0 −149.9 ± 119.3
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean −45.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

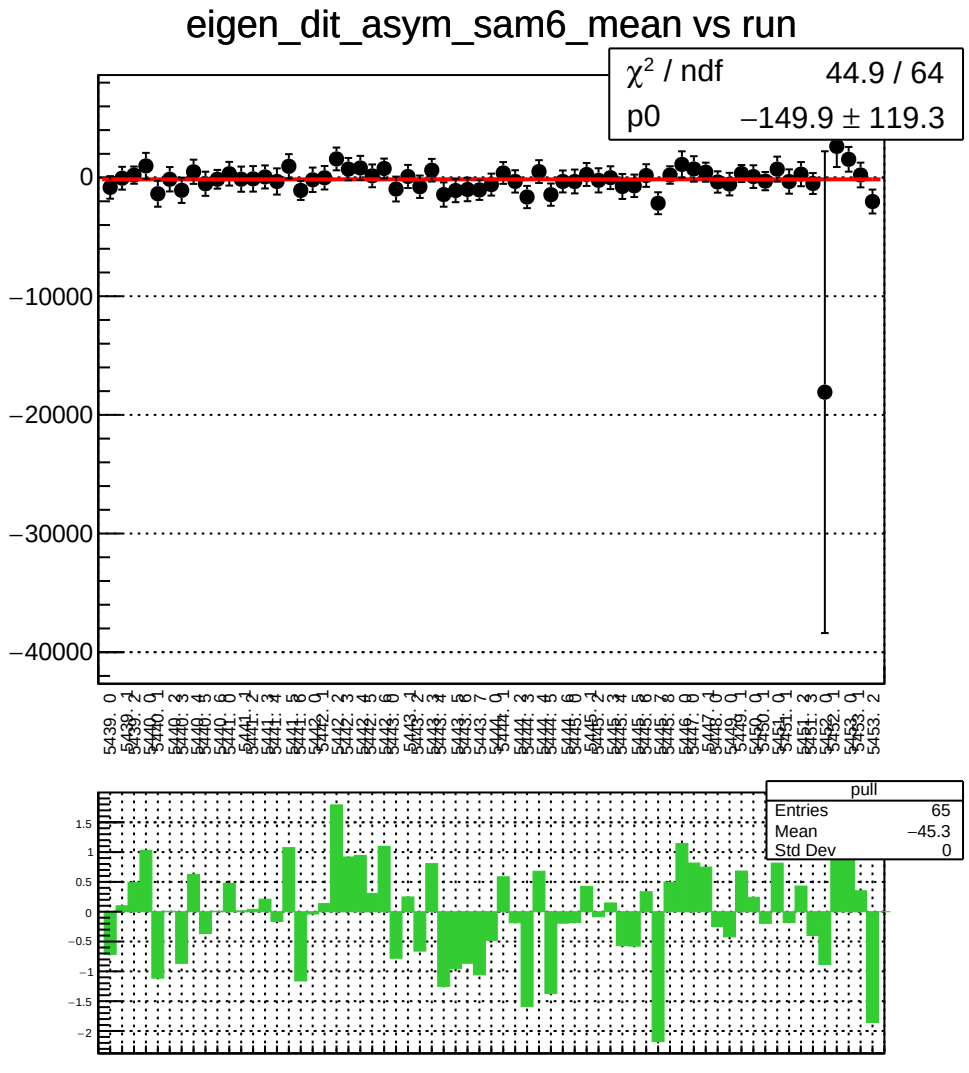

pull1D
Entries 65
Mean −0.002316
Std Dev 0.8311
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

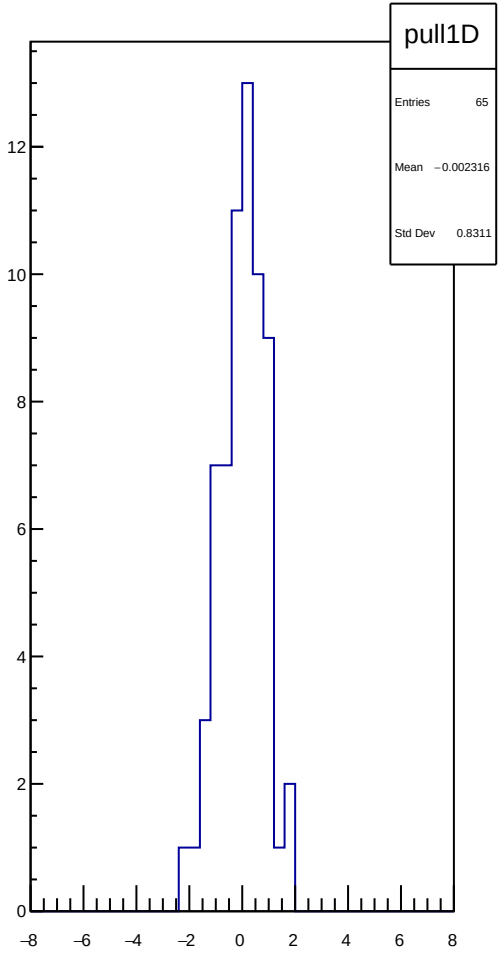

dit_asym_sam6_rms vs run
χ² / ndf 2.79e+04 / 64
p0 95.7 ± 0.08434
2000
1800
1600
1400
1200
1000
800
600
400
200

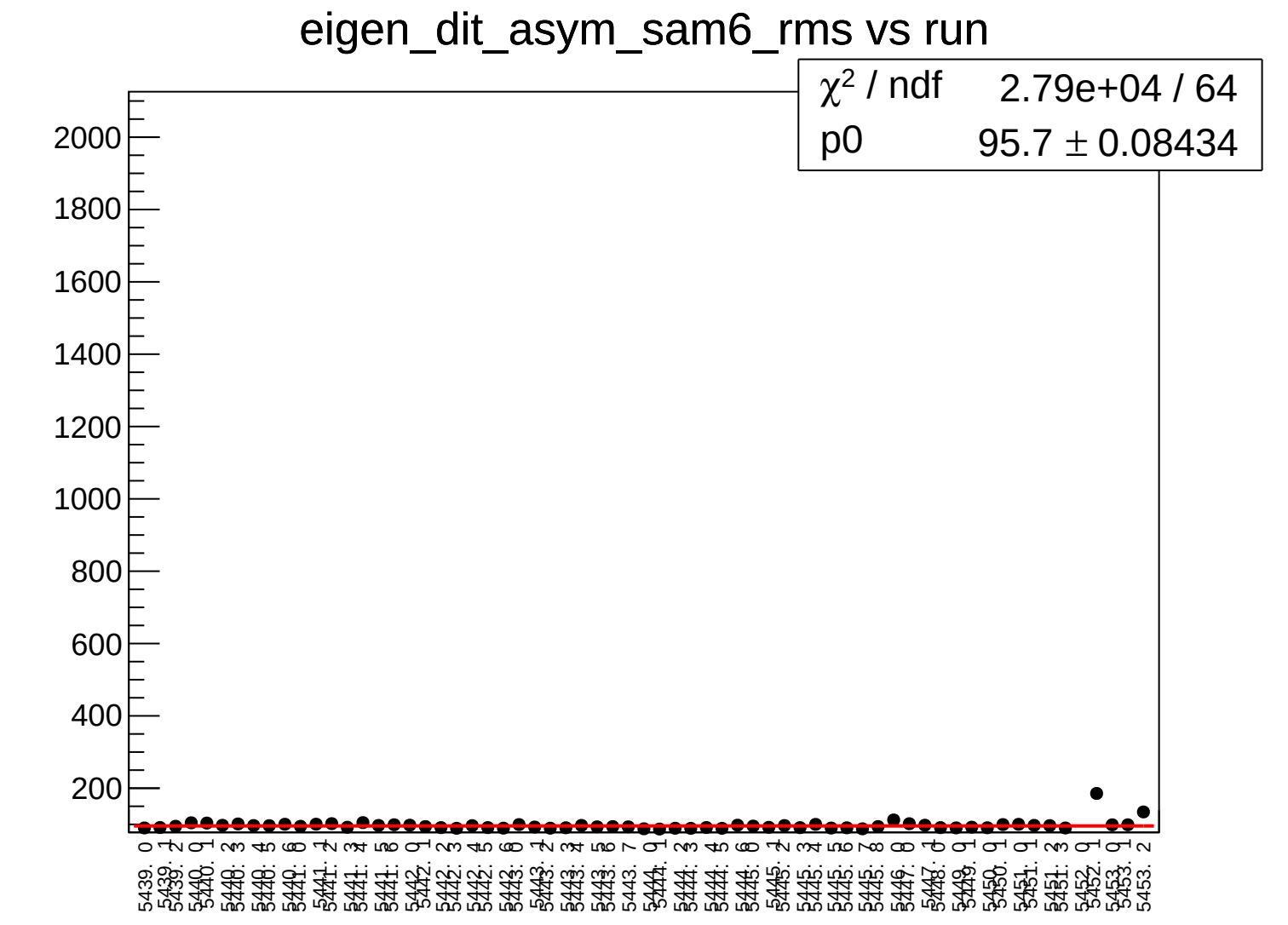

asym_sam6_dit_correction_mean vs run
χ² / ndf 65.01 / 64
p0 451.6 ± 471.4
pull
Entries 65
Mean 167.4
Std Dev 0

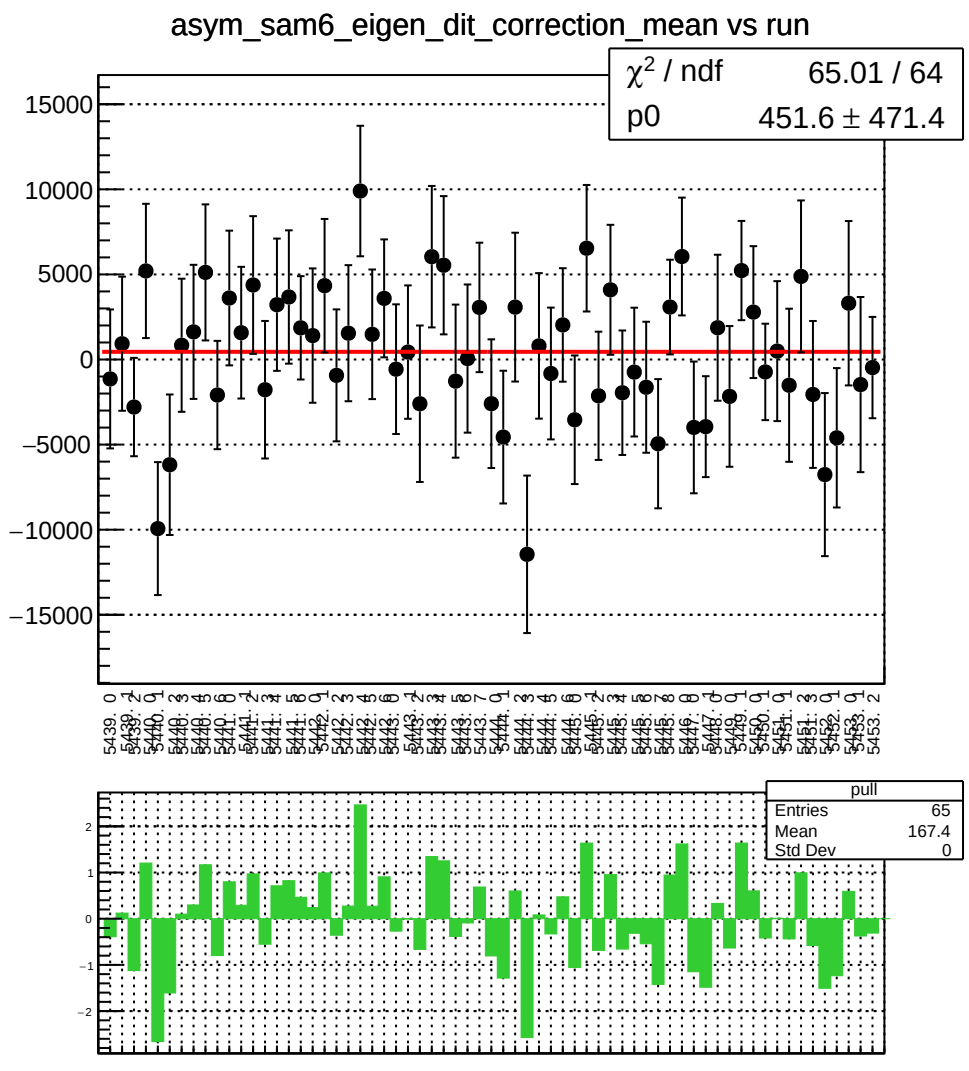

pull1D
Entries 65
Mean −0.01279
Std Dev 1

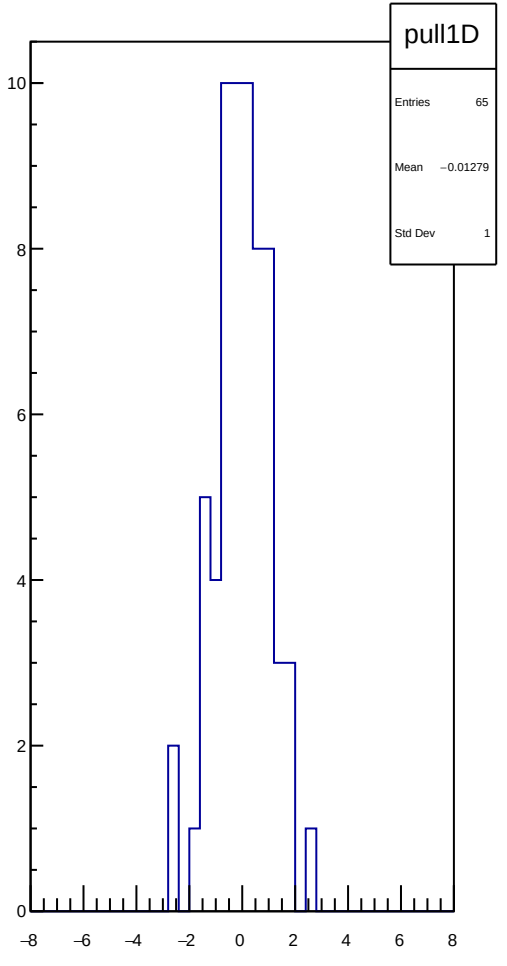

asym_sam6_dit_correction_rms vs run
χ² / ndf 6619 / 64
p0 381.4 ± 0.3334
500
480
460
440
420
400
380
360
340

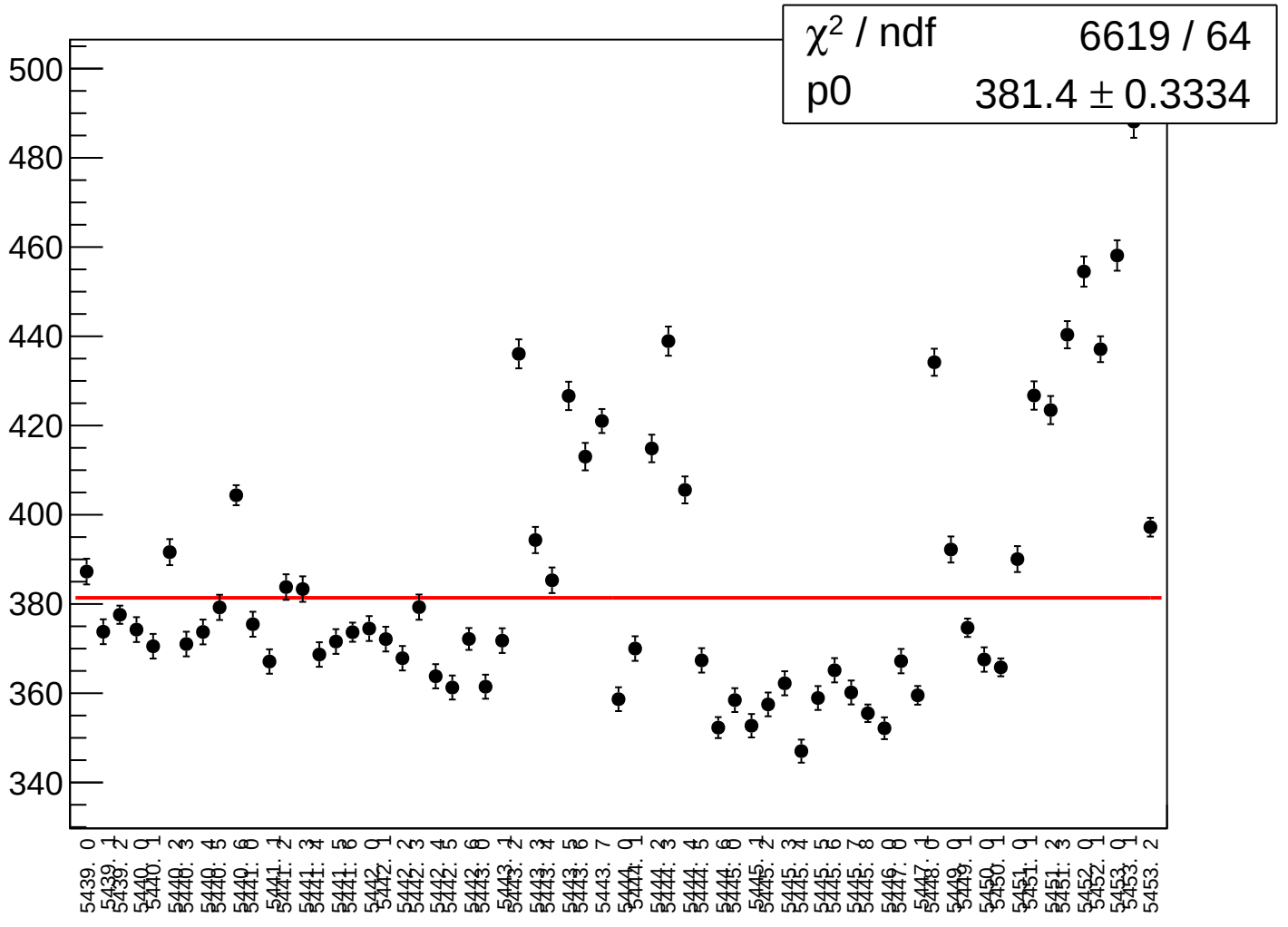

eigen_dit_asym_sam6_mean vs run
χ² / ndf 44.9 / 64
p0 −149.9 ± 119.3
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean −45.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

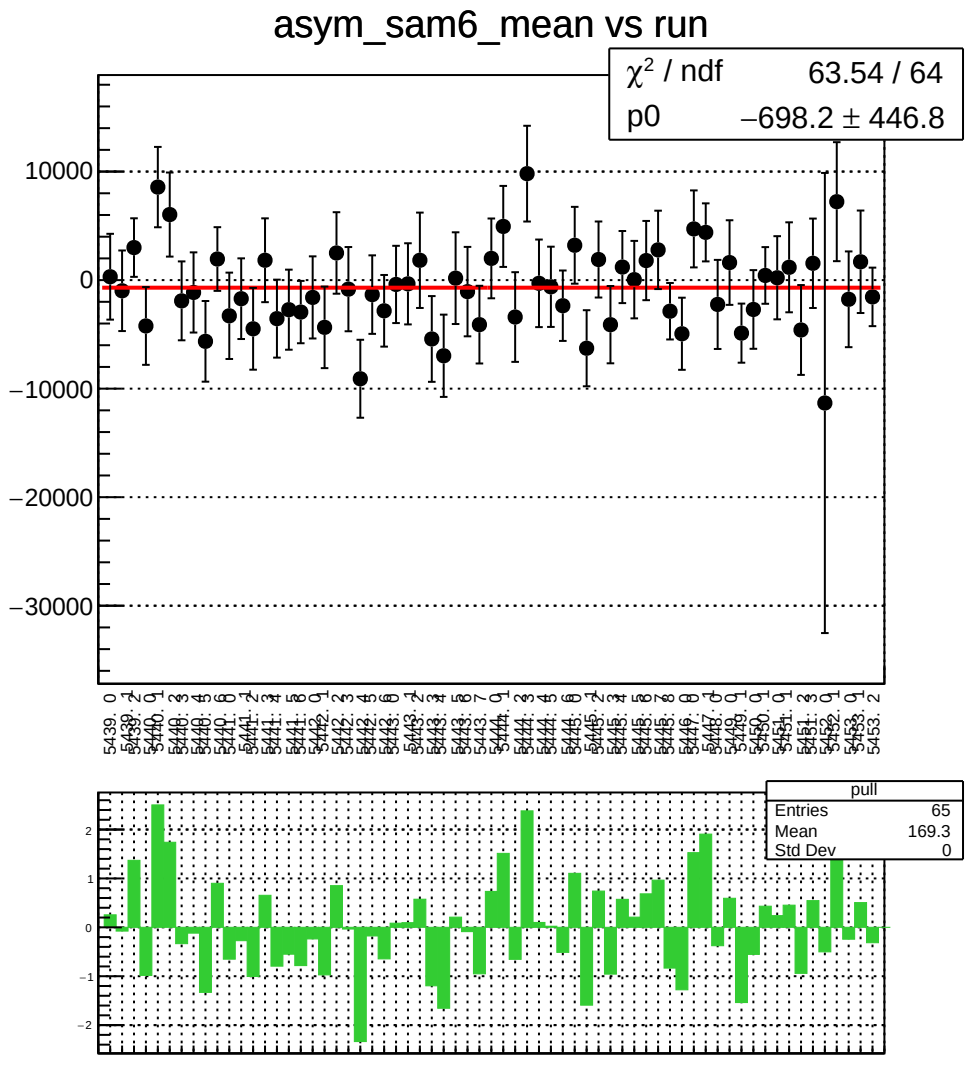

pull1D
Entries 65
Mean −0.002316
Std Dev 0.8311
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

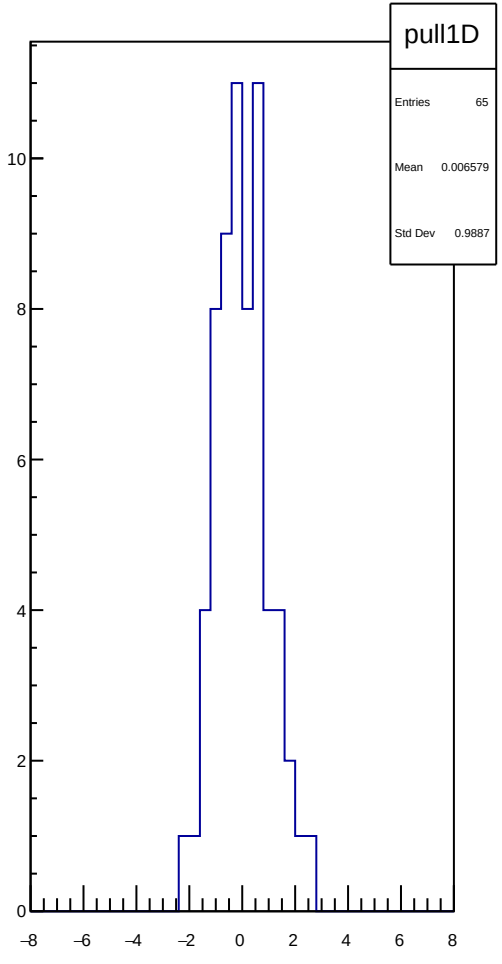

eigen_dit_asym_sam6_rms vs run
χ² / ndf 2.79e+04 / 64
p0 95.7 ± 0.08434
2000
1800
1600
1400
1200
1000
800
600
400
200

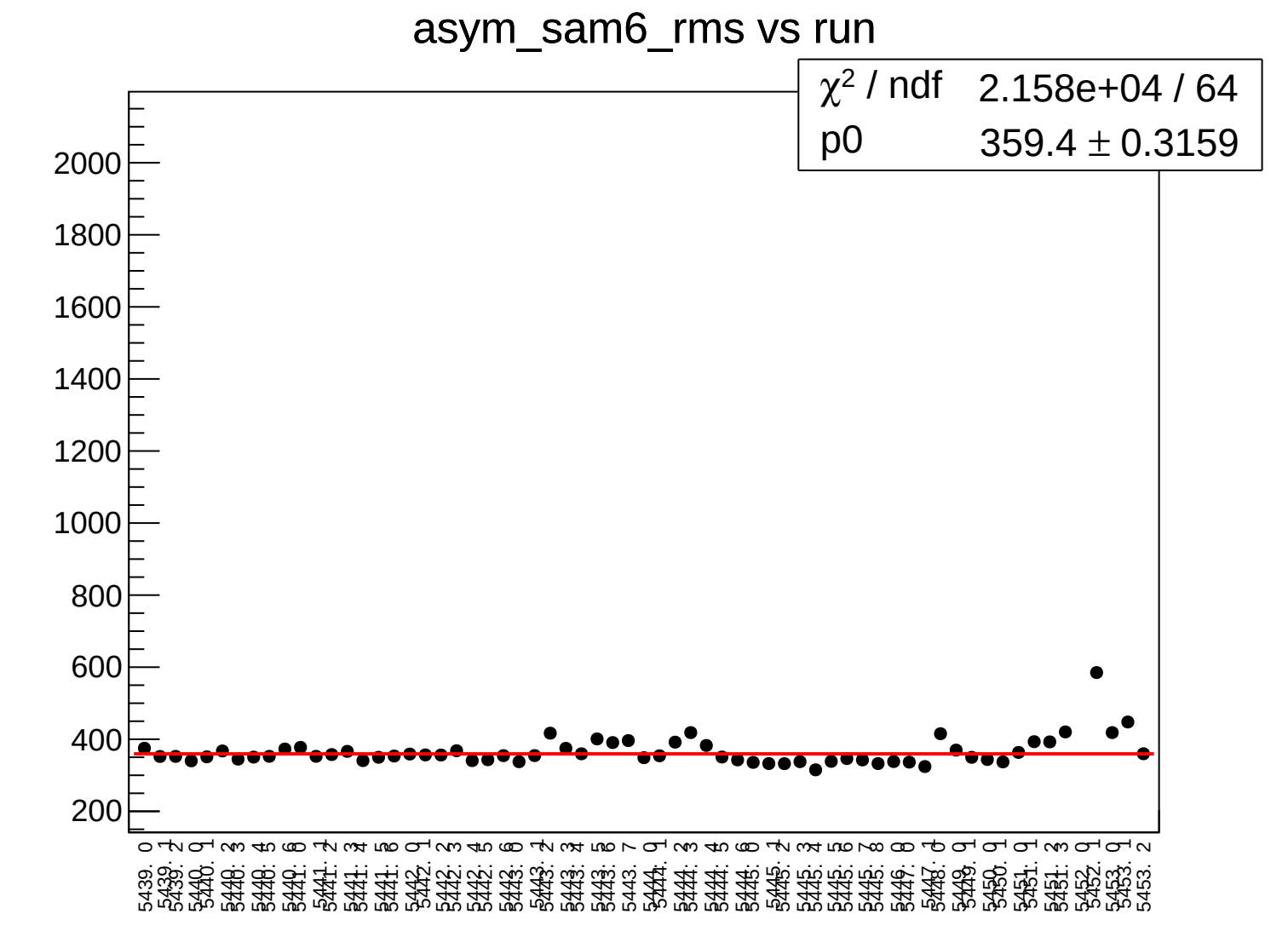

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 65.01 / 64
p0 451.6 ± 471.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 167.4
Std Dev 0
2
1
0
−1
−2

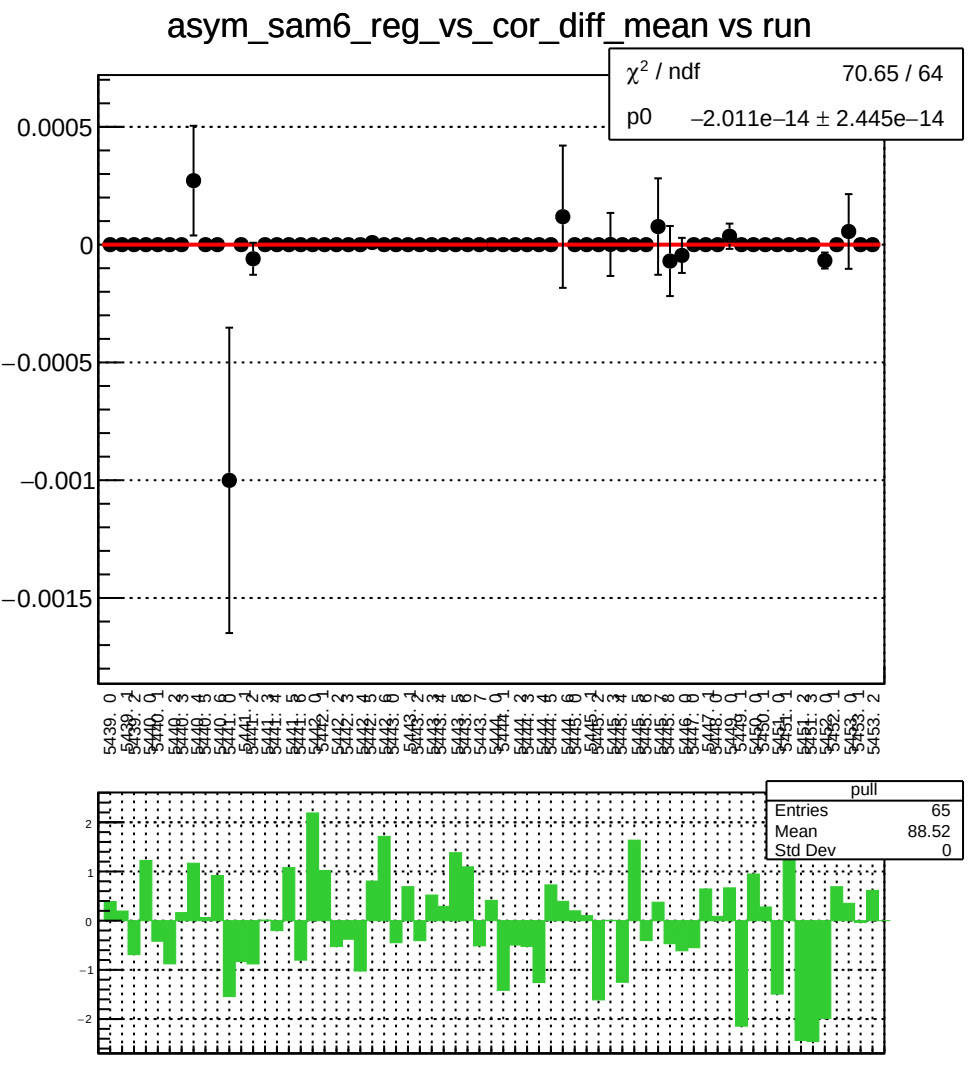

pull1D
Entries 65
Mean −0.01279
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

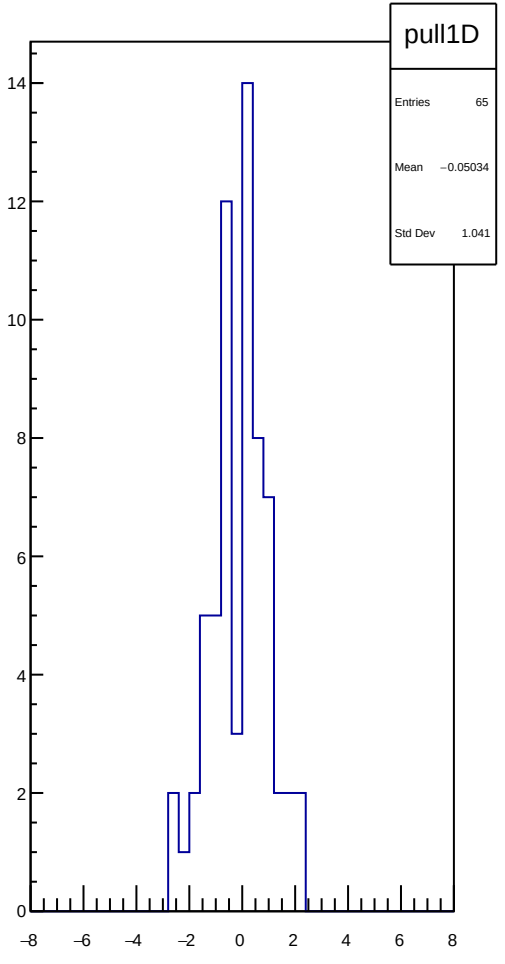

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 6619 / 64
p0 381.4 ± 0.3334
500
480
460
440
420
400
380
360
340

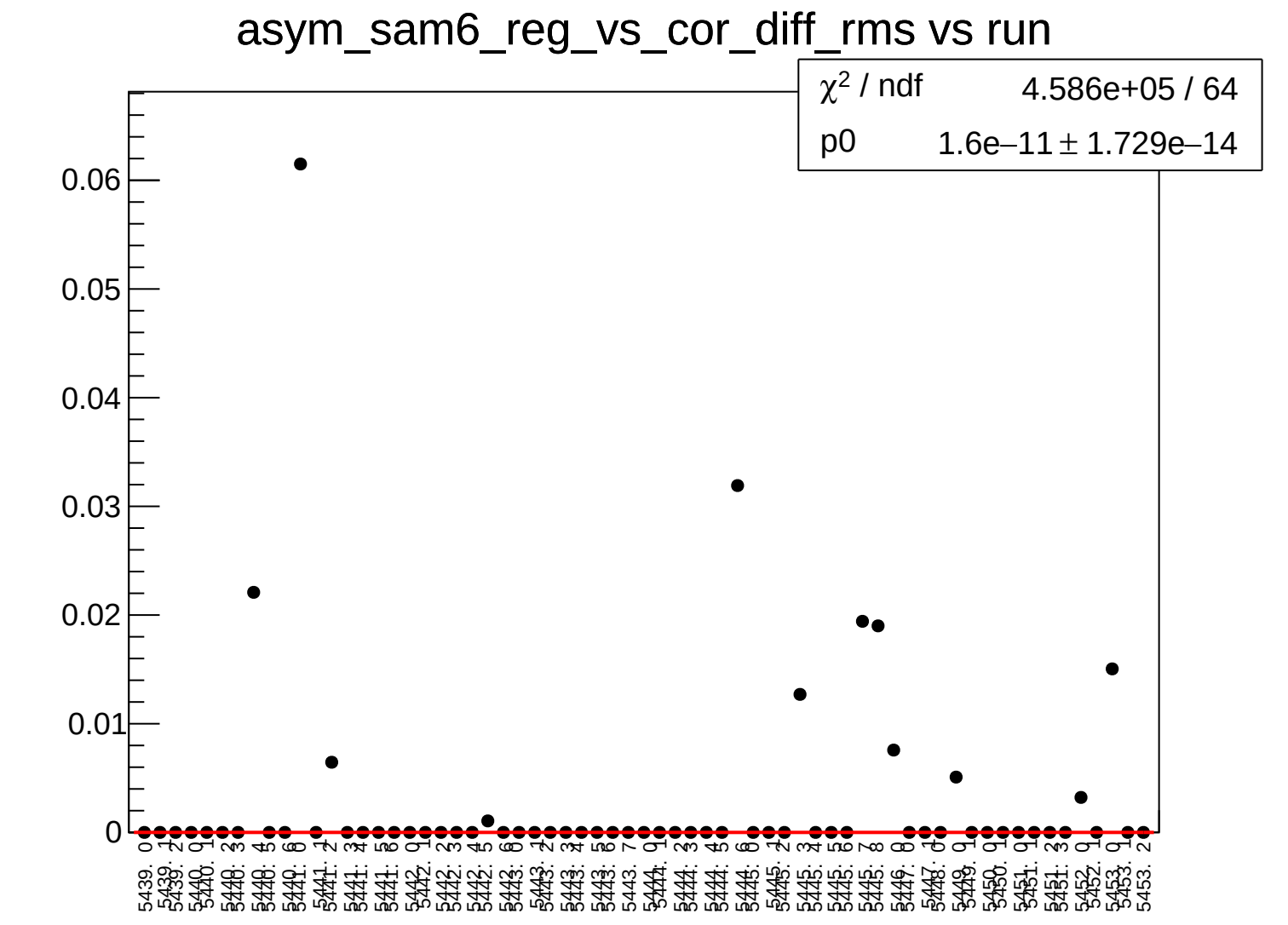

asym_sam6_mean vs run
χ² / ndf 63.54 / 64
p0 −698.2 ± 446.8
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean 169.3
Std Dev 0
2
1
0
−1
−2

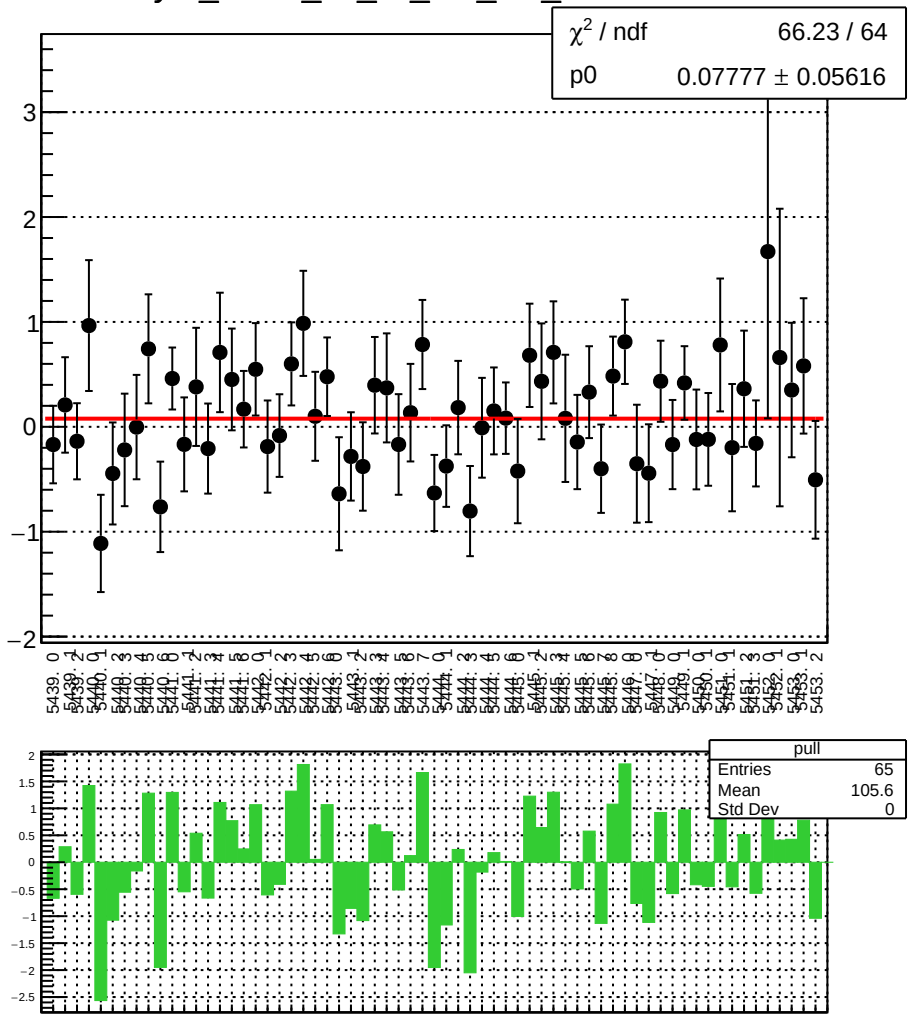

pull1D
Entries 65
Mean 0.006579
Std Dev 0.9887
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

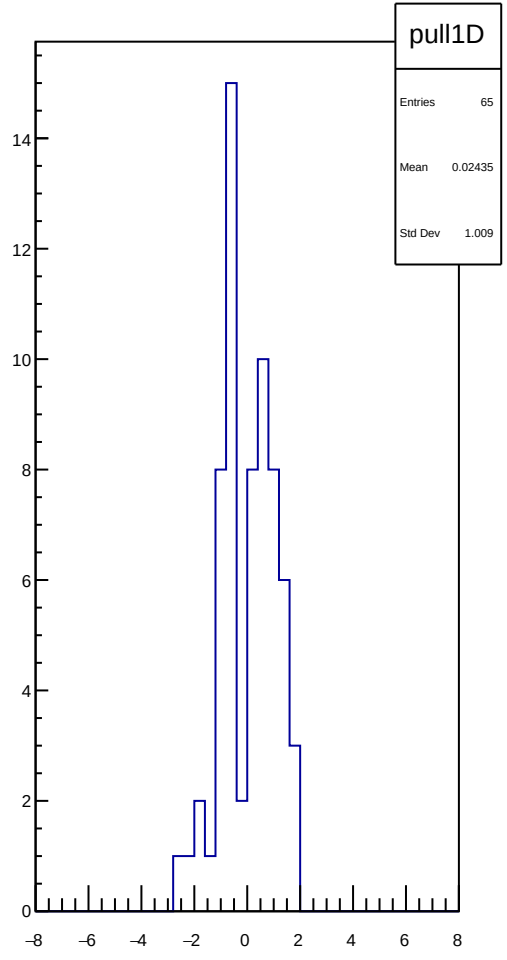

asym_sam6_rms vs run
χ² / ndf 2.158e+04 / 64
p0 359.4 ± 0.3159
2000
1800
1600
1400
1200
1000
800
600
400
200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

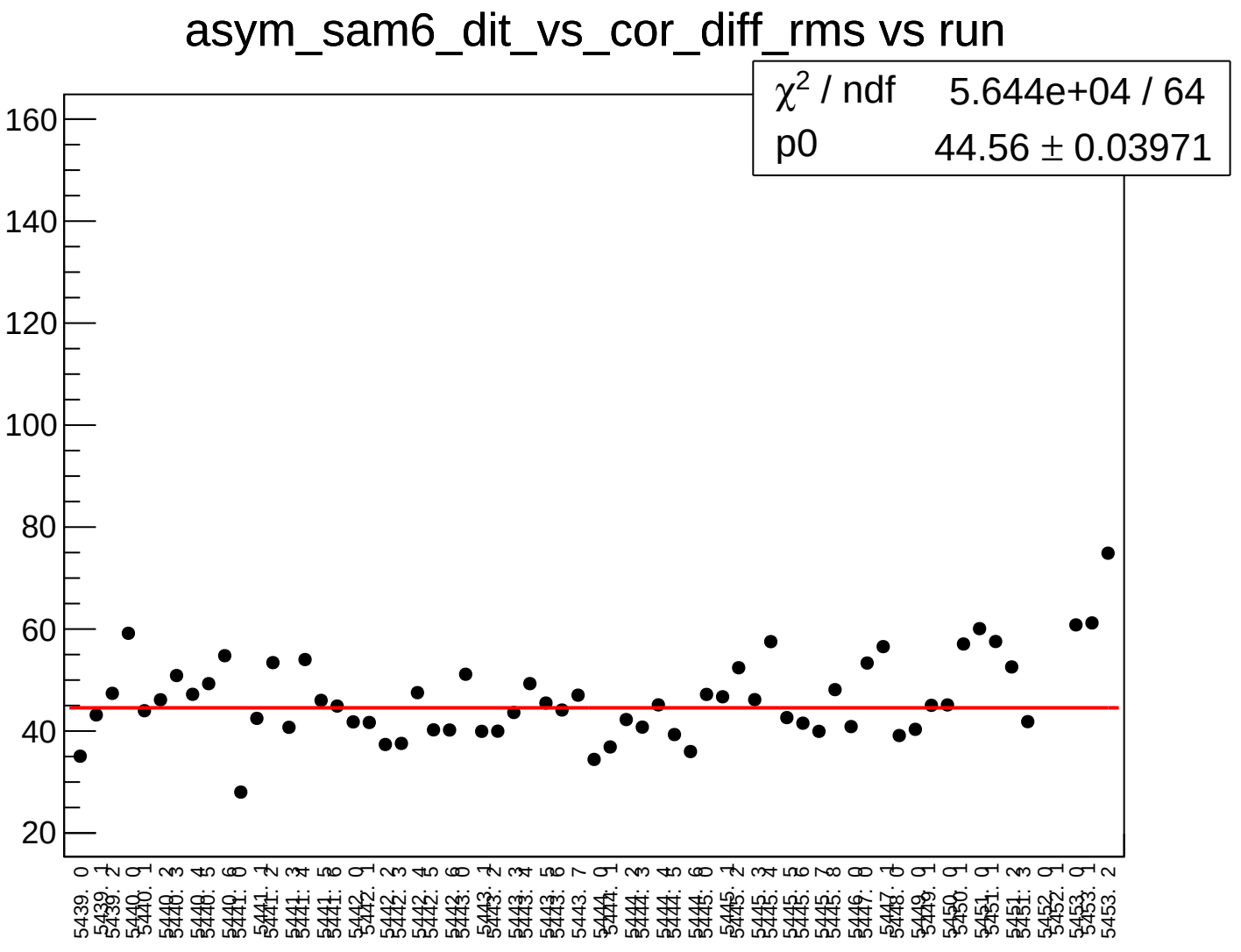

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 70.65 / 64
p0 −2.011e−14 ± 2.445e−14
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 88.52
Std Dev 0

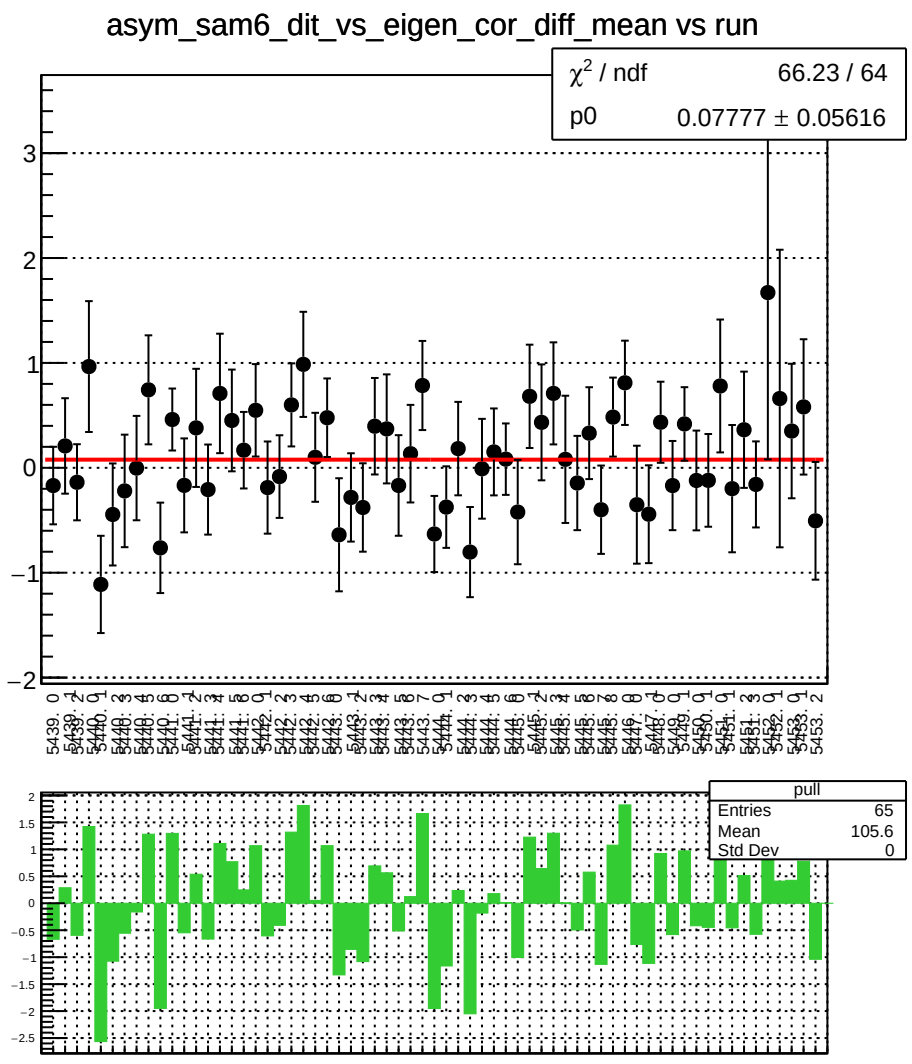

pull1D
Entries 65
Mean −0.05034
Std Dev 1.041

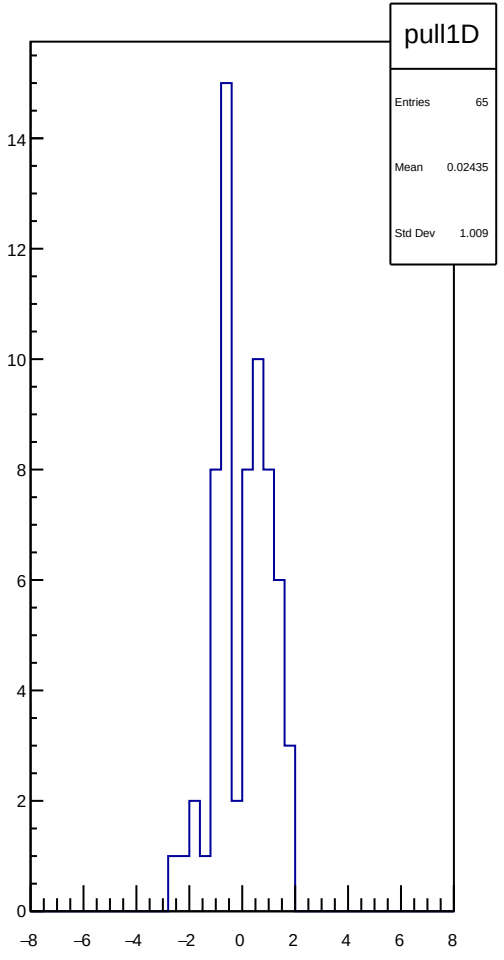

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 4.586e+05 / 64
p0 1.6e−11 ± 1.729e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

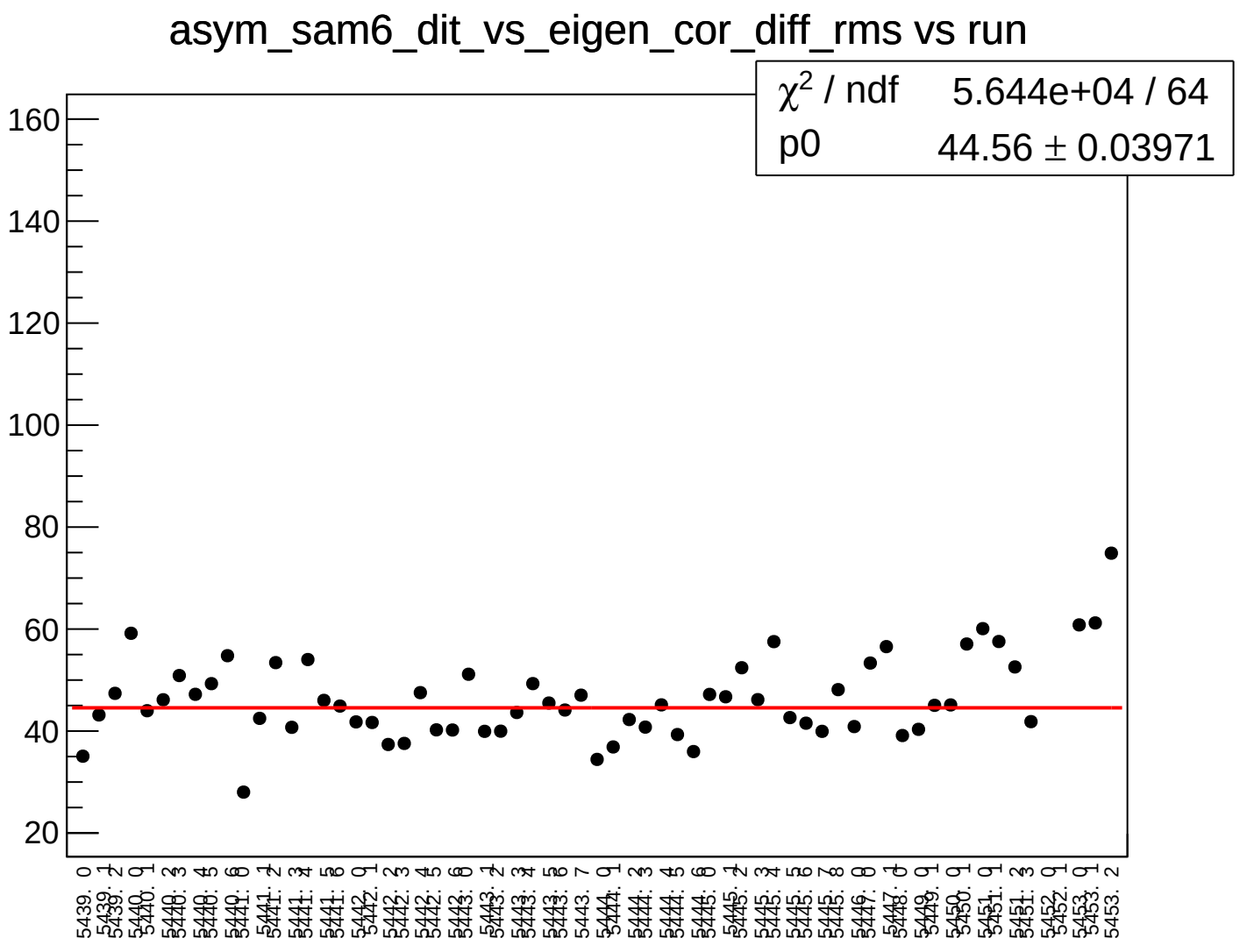

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 66.23 / 64
p0 0.07777 ± 0.05616
pull
Entries 65
Mean 105.6
Std Dev 0

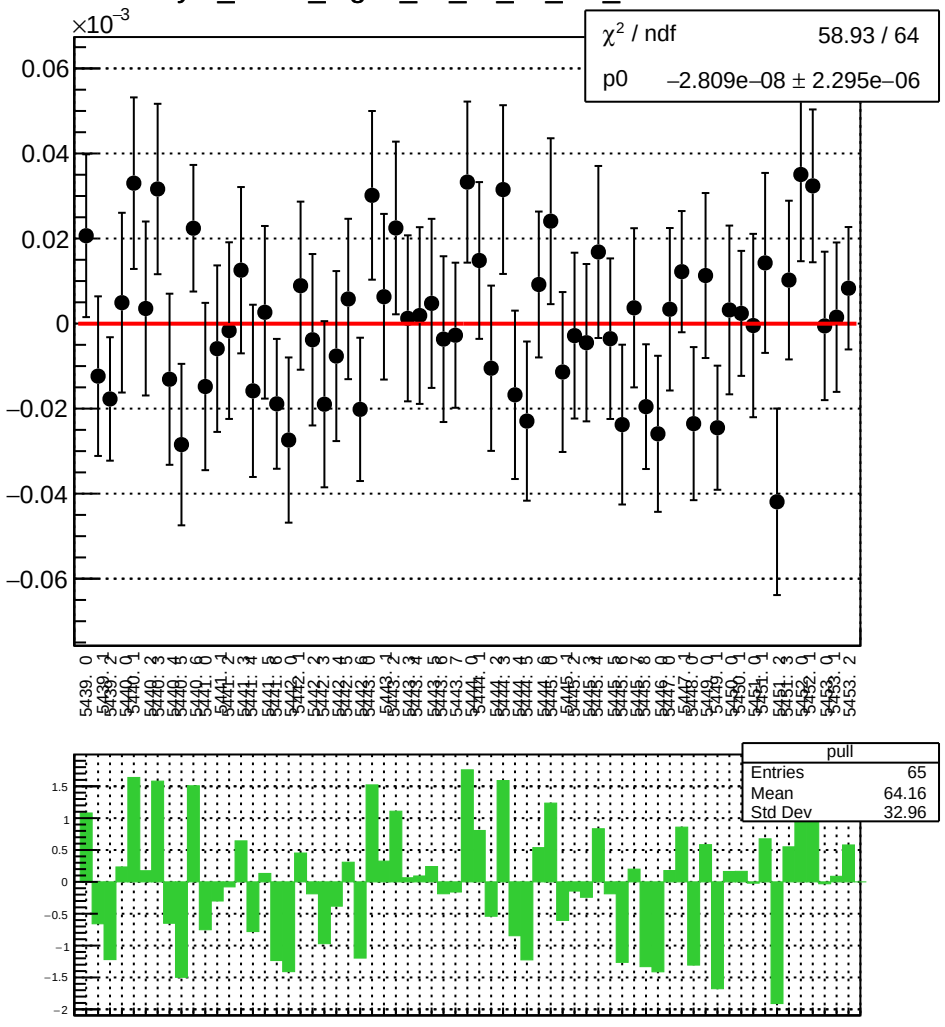

pull1D
Entries 65
Mean 0.02435
Std Dev 1.009

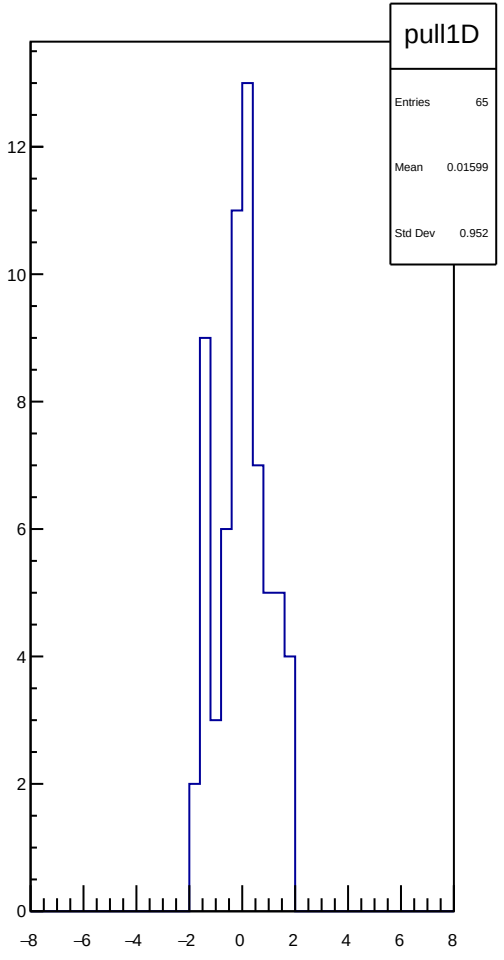

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 5.644e+04 / 64
p0 44.56 ± 0.03971
160
140
120
100
80
60
40
20

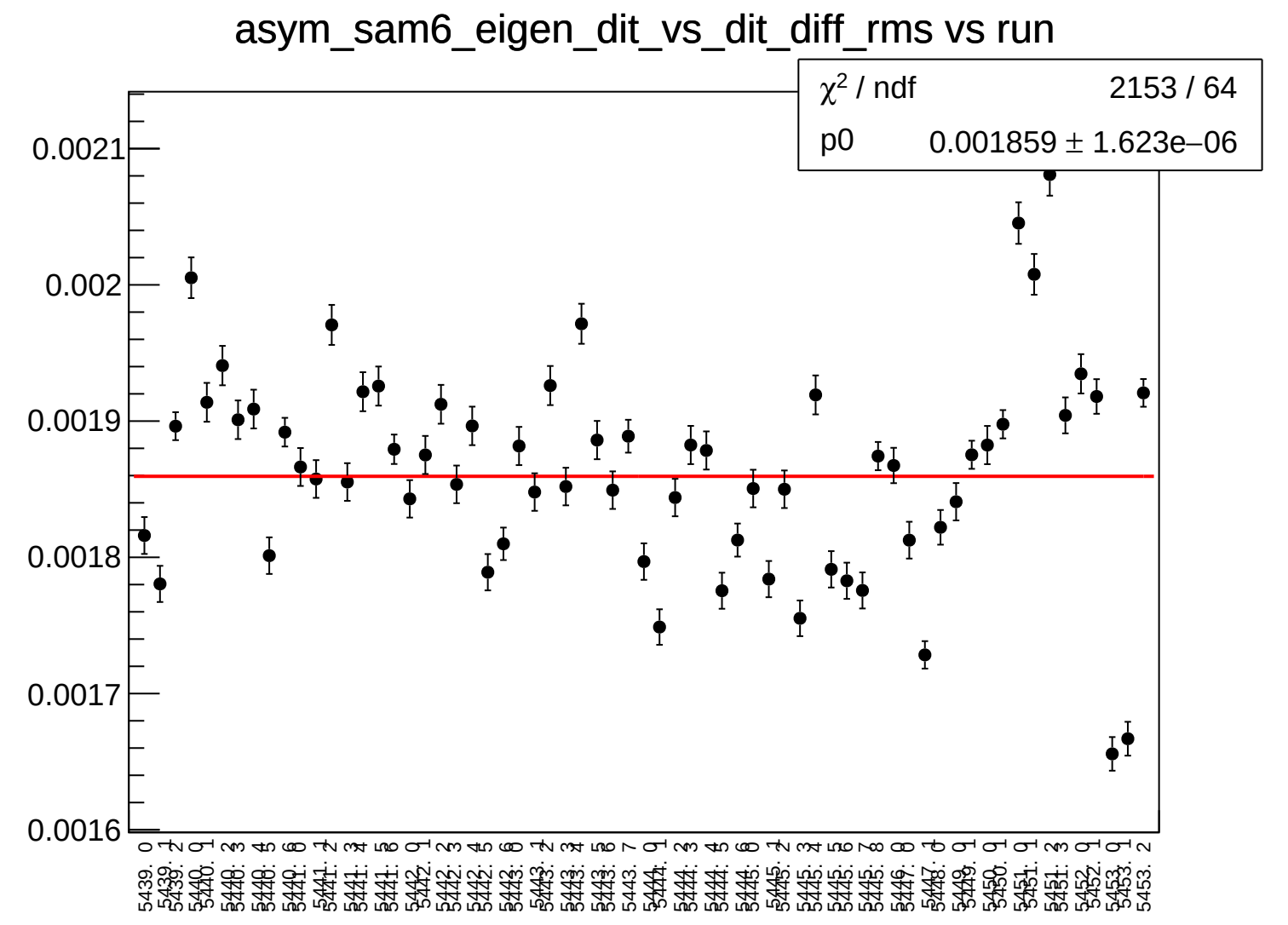

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.23 / 64
p0 0.07777 ± 0.05616
pull
Entries 65
Mean 105.6
Std Dev 0

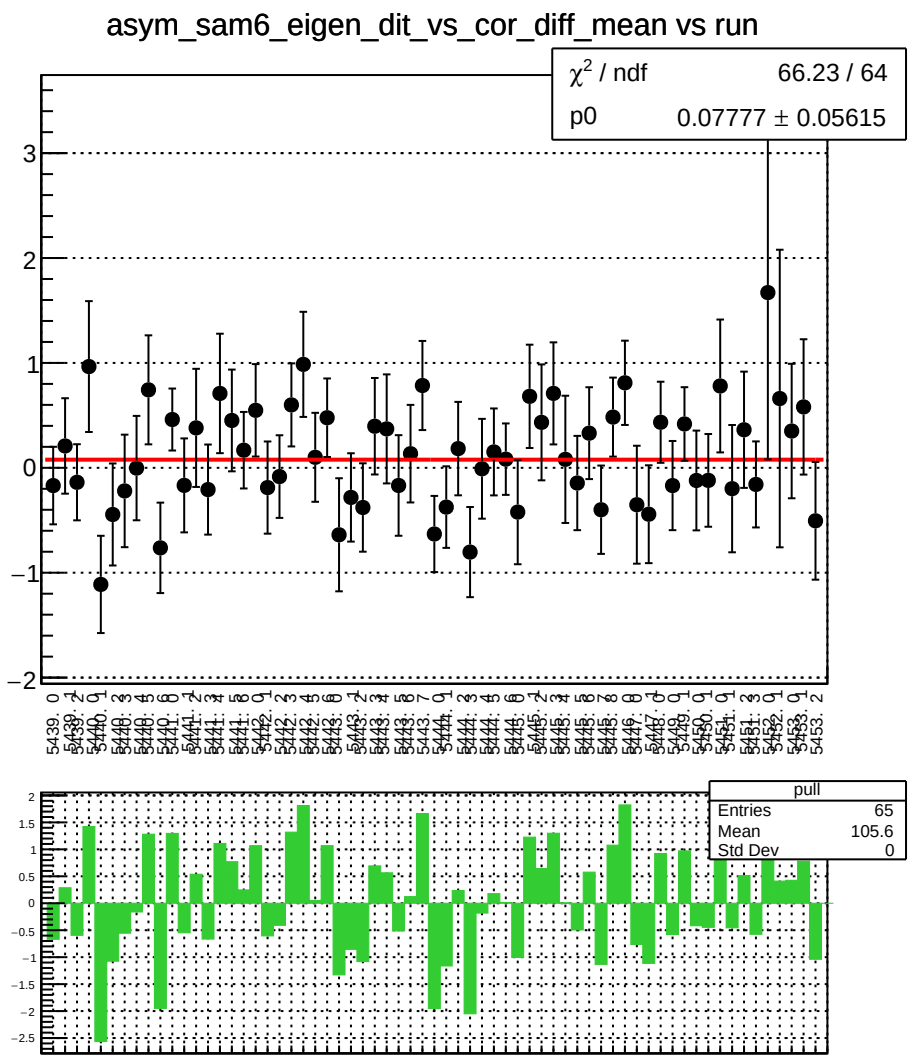

pull1D
Entries 65
Mean 0.02435
Std Dev 1.009

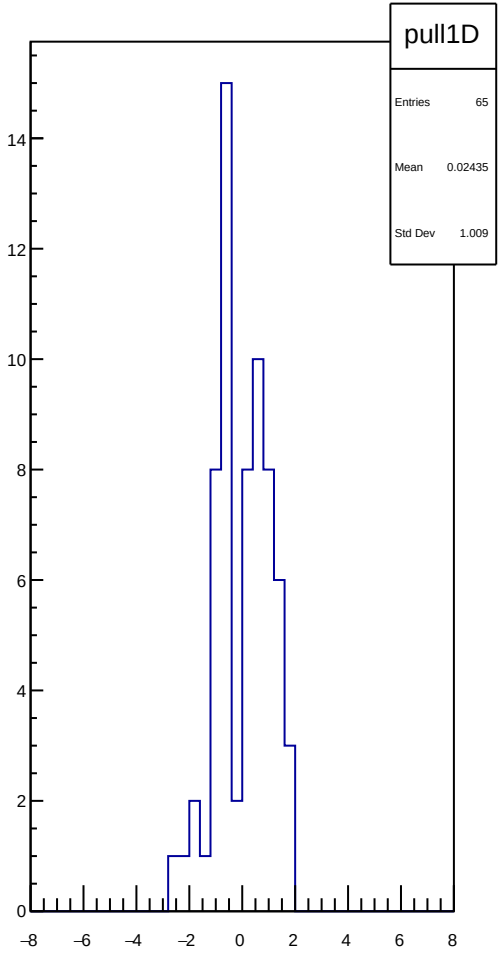

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.644e+04 / 64
p0 44.56 ± 0.03971
160
140
120
100
80
60
40
20

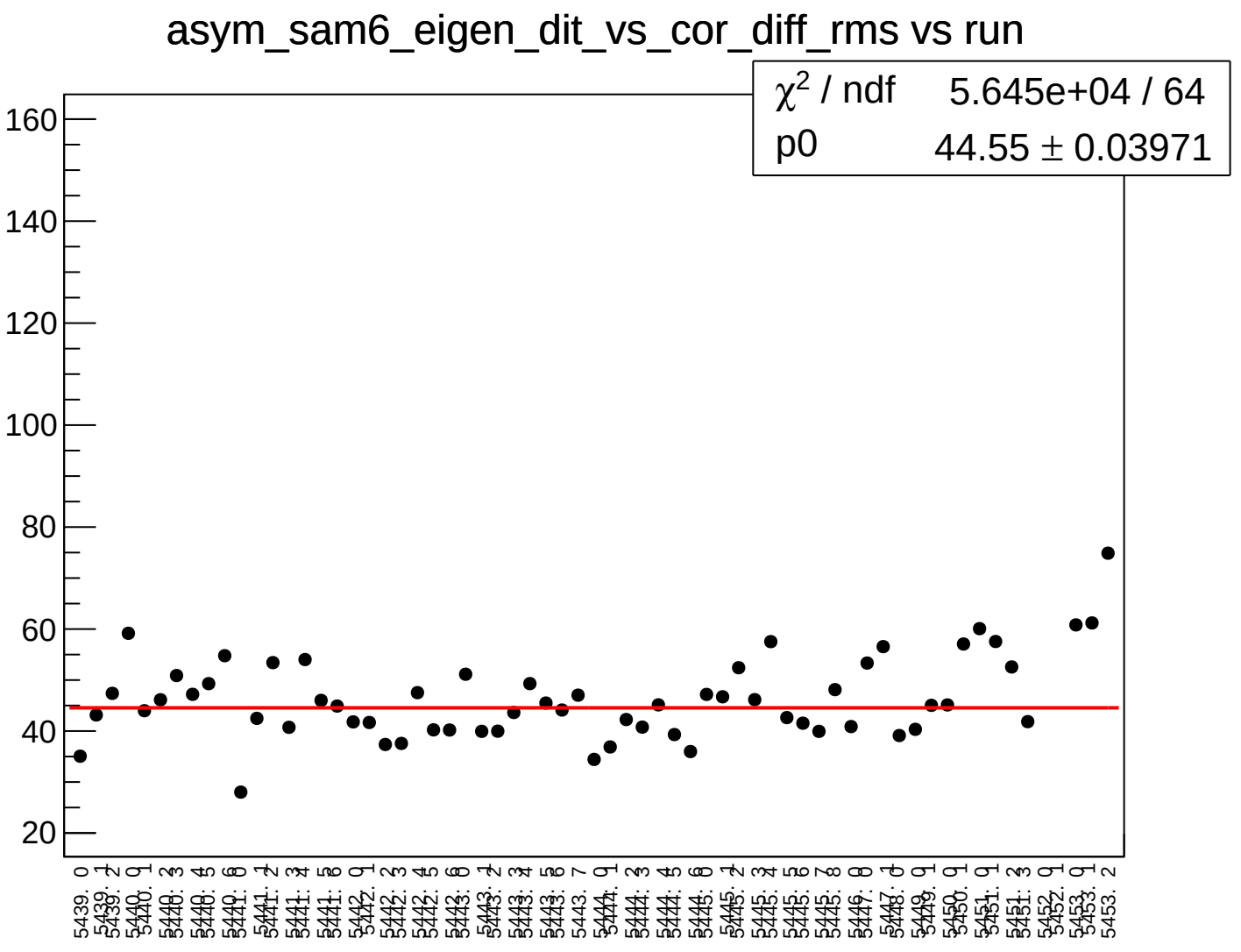

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.93 / 64
p0 −2.809e−08 ± 2.295e−06
pull
Entries 65
Mean 64.16
Std Dev 32.96

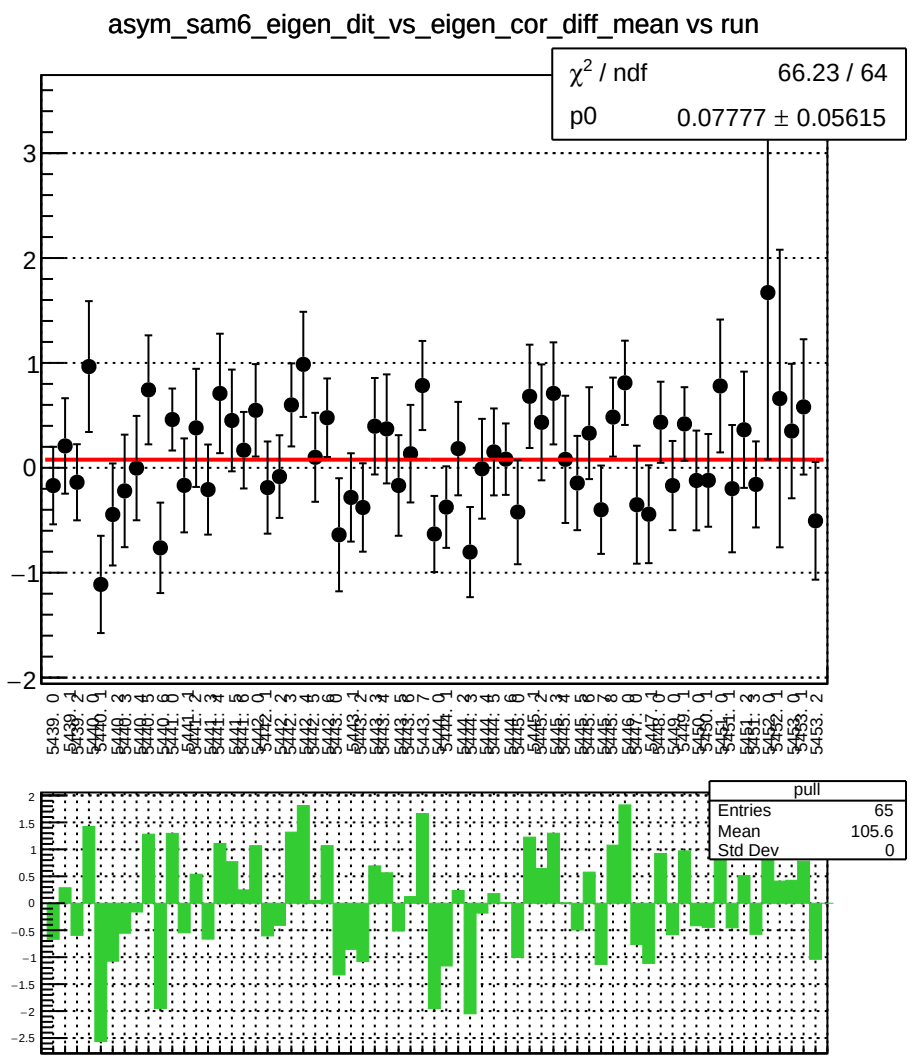

pull1D
Entries 65
Mean 0.01599
Std Dev 0.952

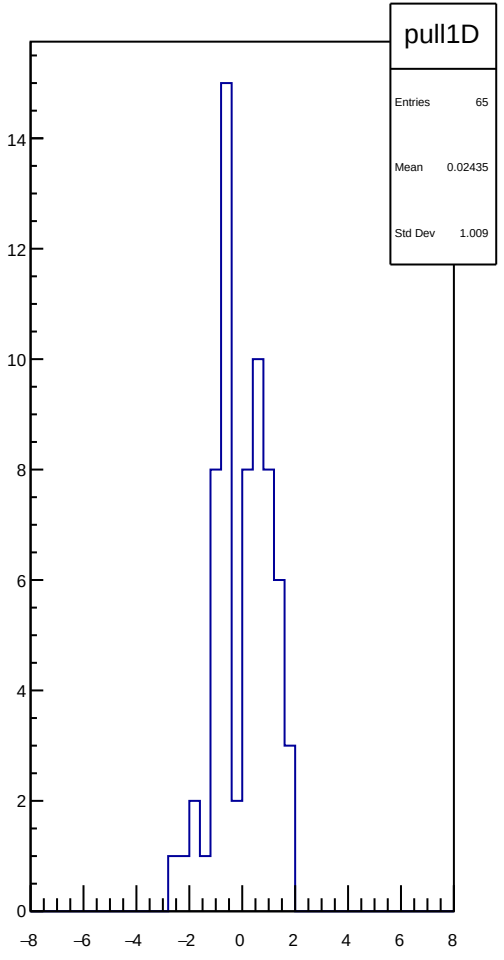

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2153 / 64
p0 0.001859 ± 1.623e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

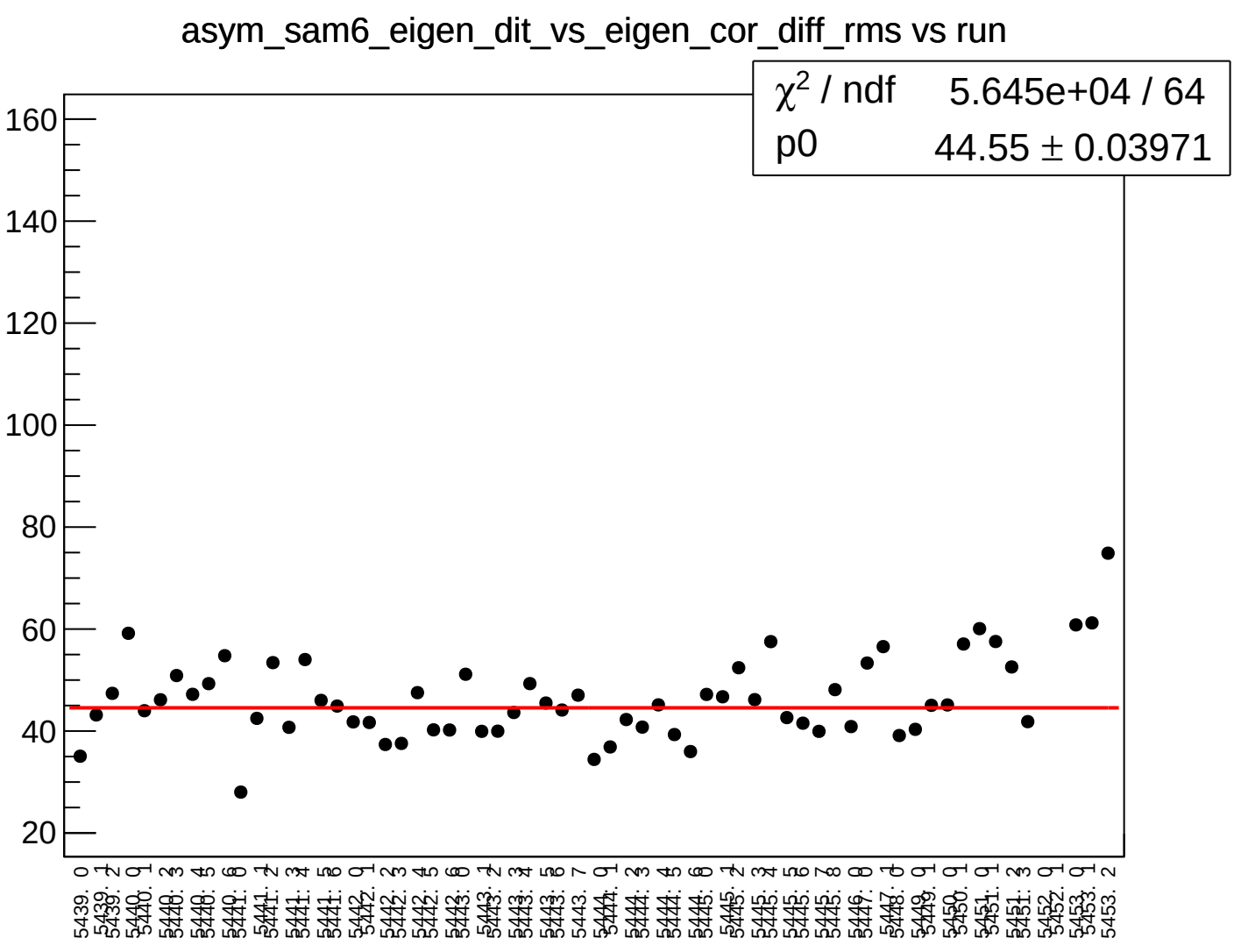

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.23 / 64
p0 0.07777 ± 0.05615
pull
Entries 65
Mean 105.6
Std Dev 0

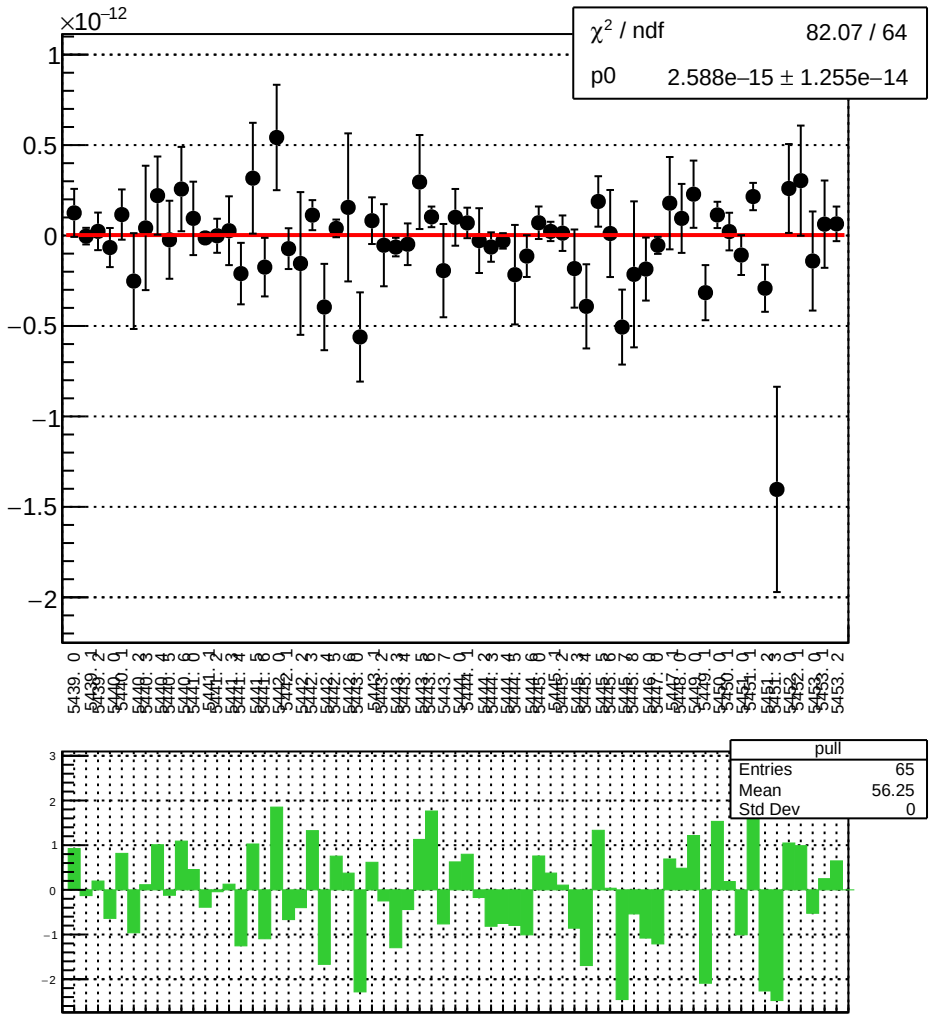

pull1D
Entries 65
Mean 0.02435
Std Dev 1.009

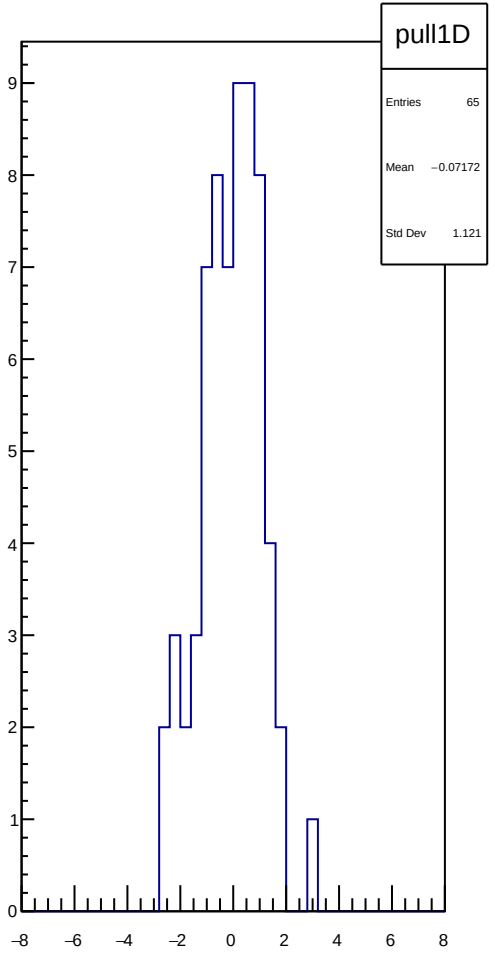

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.645e+04 / 64
p0 44.55 ± 0.03971
160
140
120
100
80
60
40
20

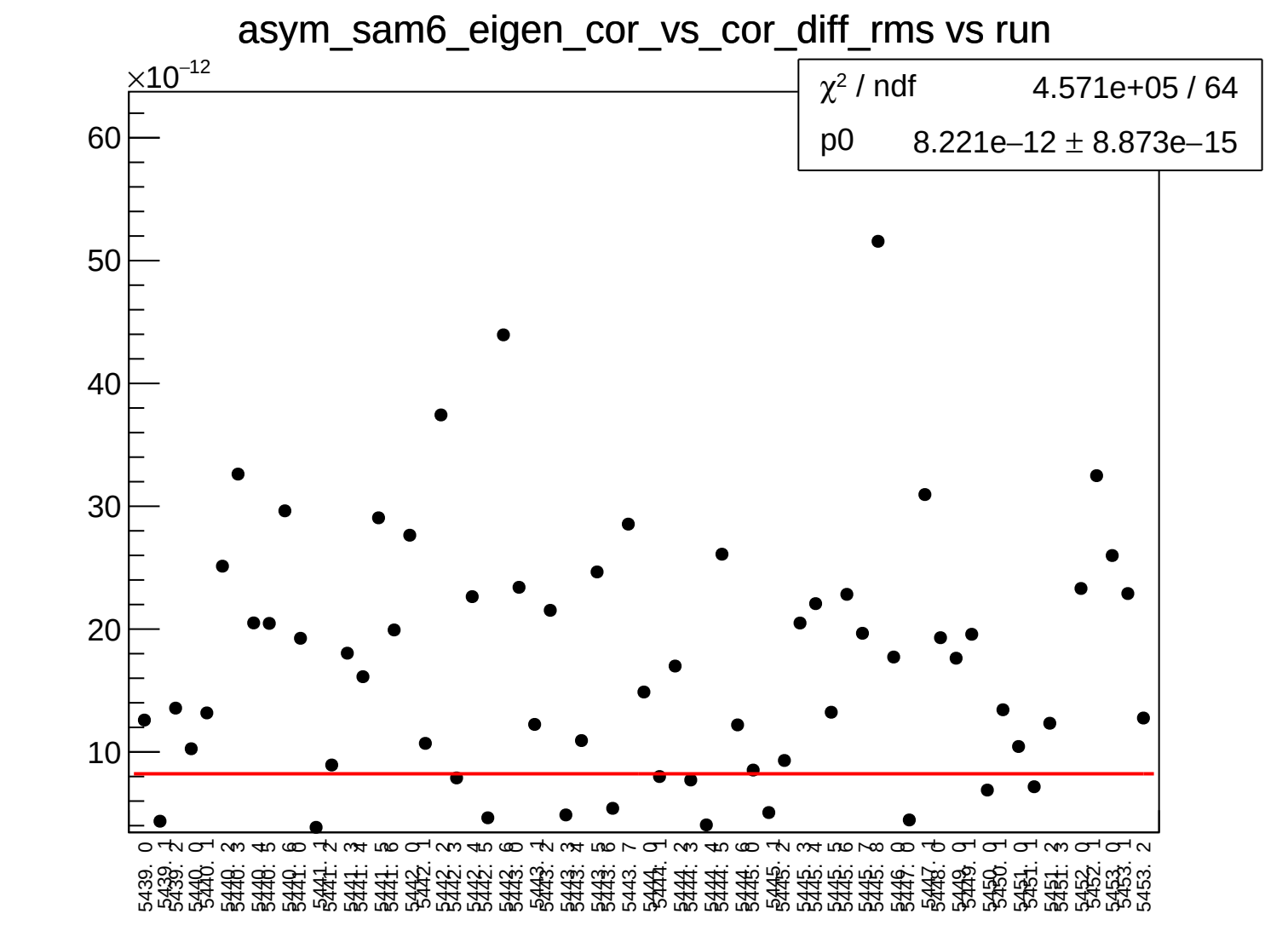

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.23 / 64
p0 0.07777 ± 0.05615
pull
Entries 65
Mean 105.6
Std Dev 0

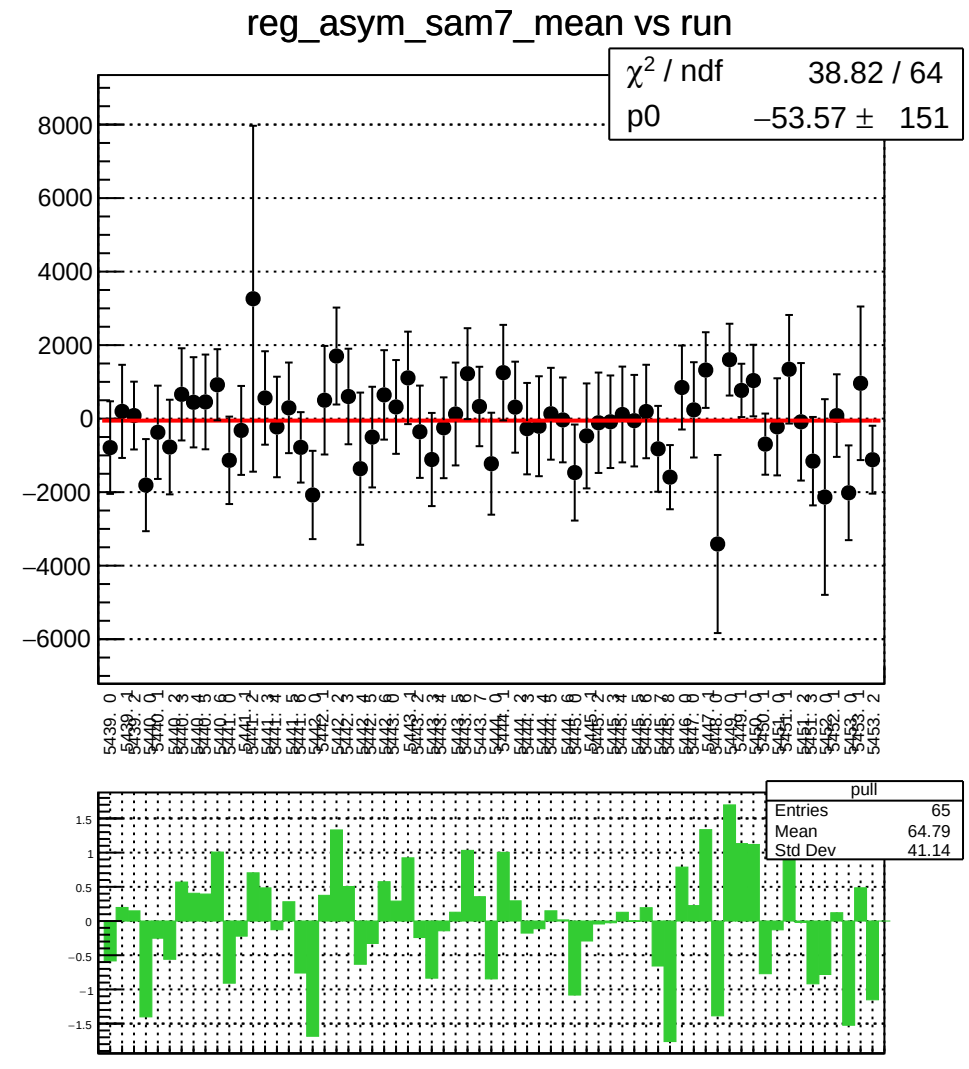

pull1D
Entries 65
Mean 0.02435
Std Dev 1.009

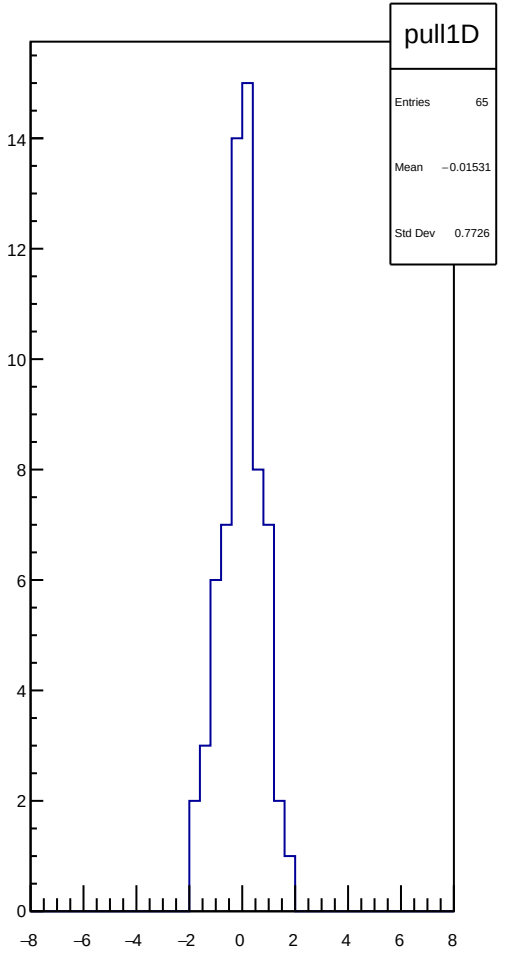

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.645e+04 / 64
p0 44.55 ± 0.03971
160
140
120
100
80
60
40
20

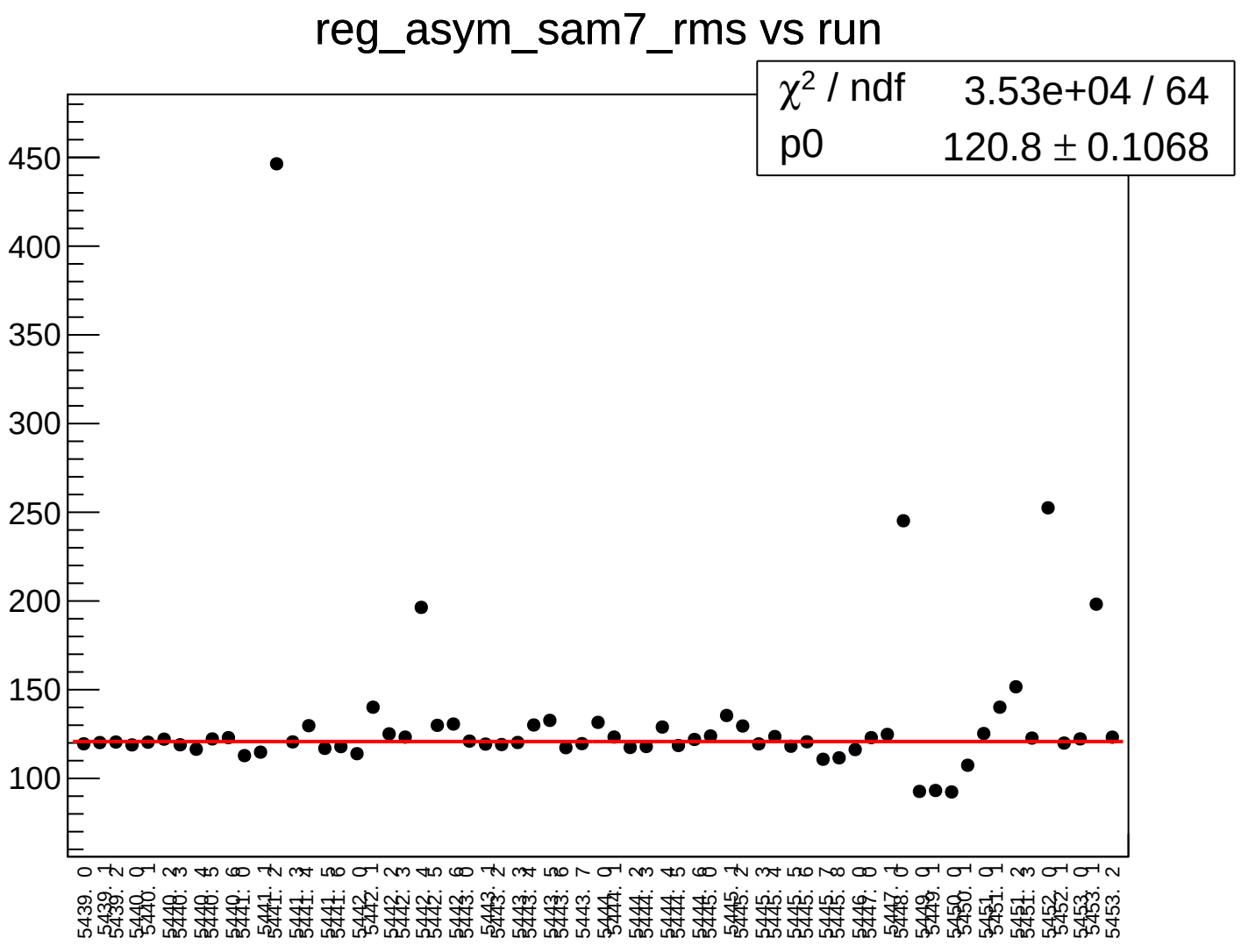

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.07 / 64
p0 2.588e−15 ± 1.255e−14
pull
Entries 65
Mean 56.25
Std Dev 0

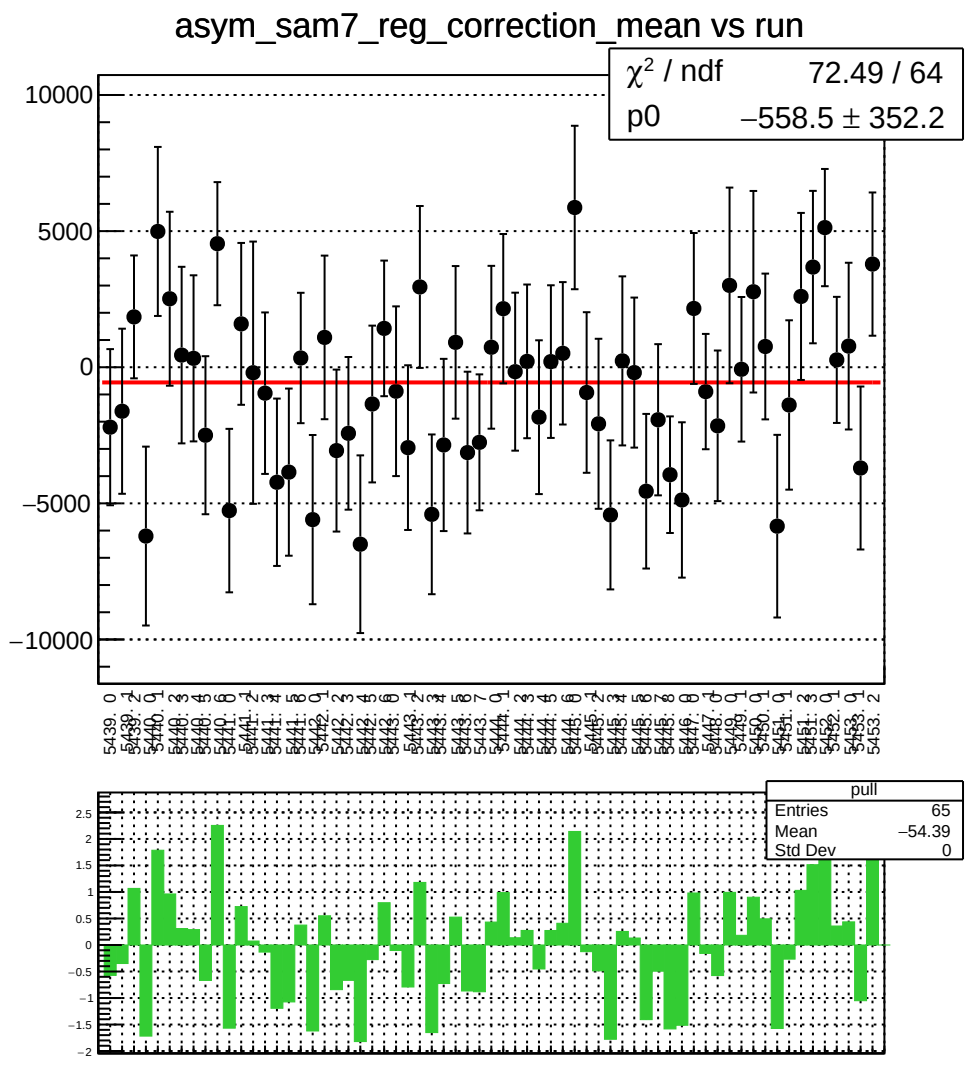

pull1D
Entries 65
Mean −0.07172
Std Dev 1.121

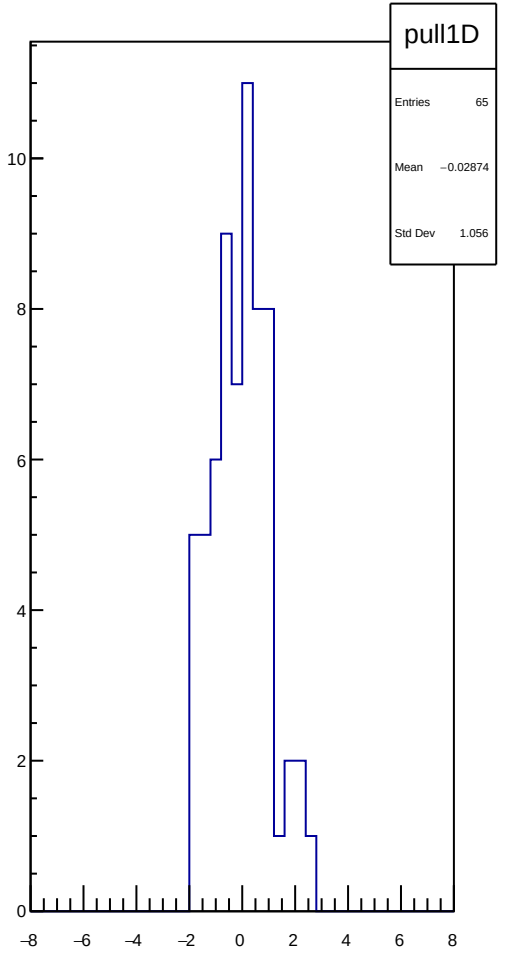

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.571e+05 / 64
p0 8.221e−12 ± 8.873e−15
60
50
40
30
20
10

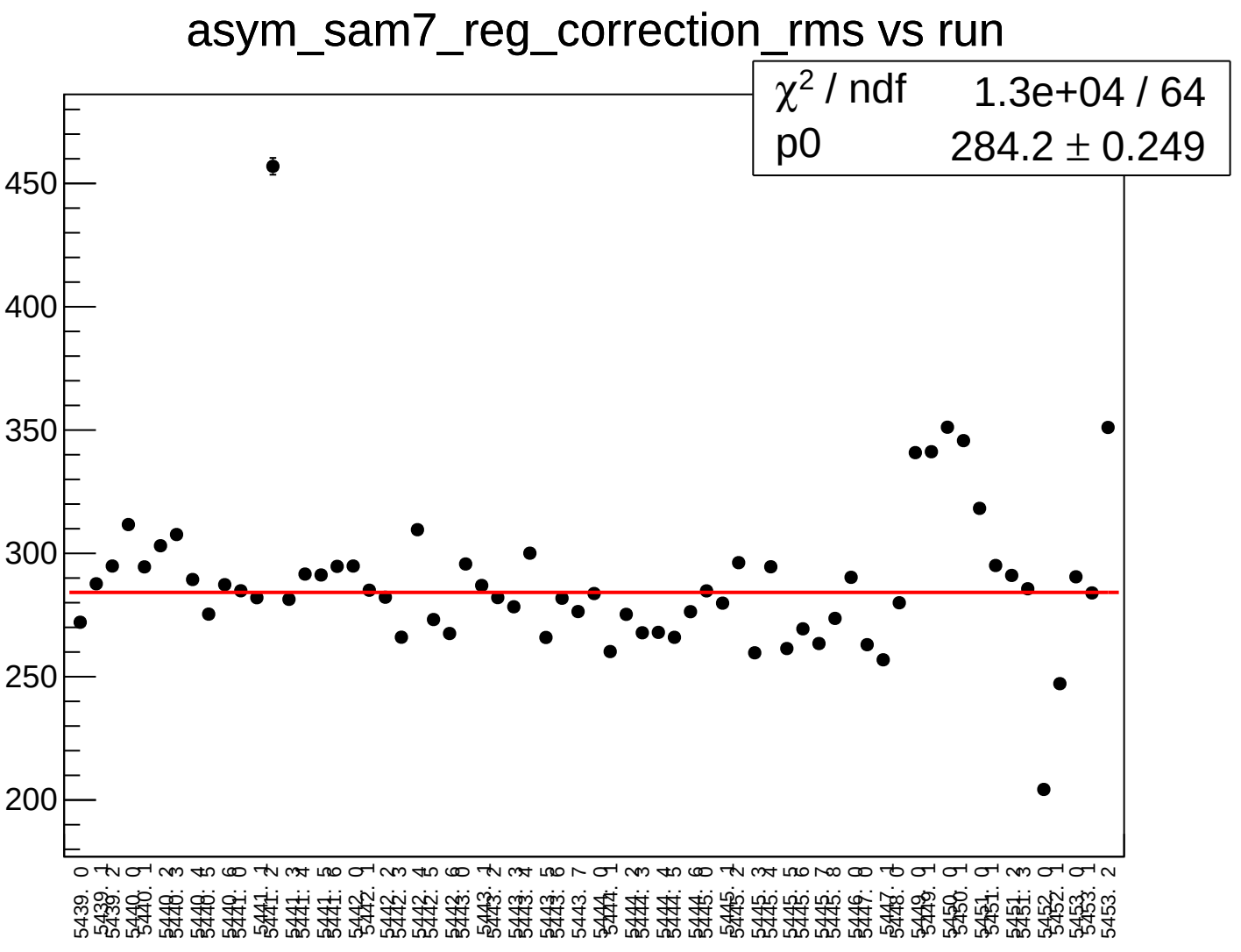

reg_asym_sam7_mean vs run
χ² / ndf 38.82 / 64
p0 −53.57 ± 151
pull
Entries 65
Mean 64.79
Std Dev 41.14

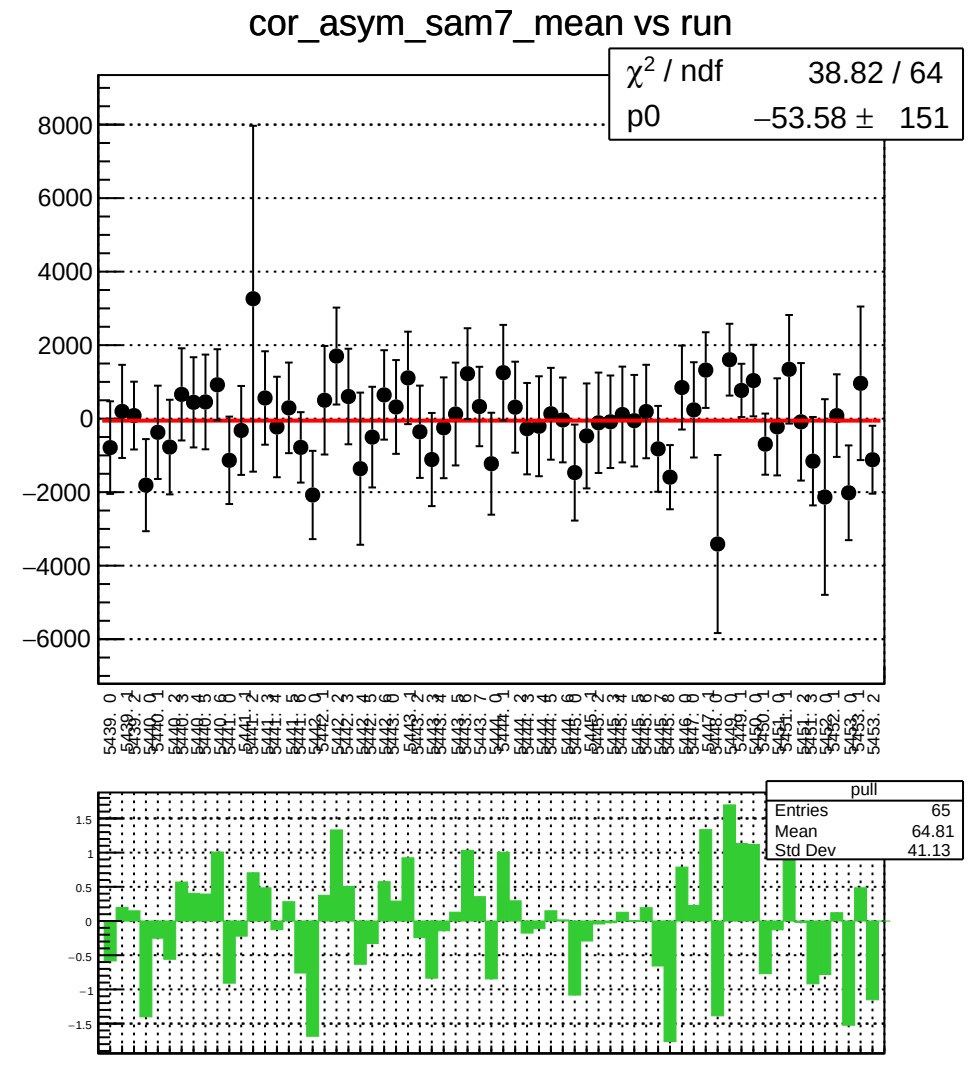

pull1D
Entries 65
Mean −0.01531
Std Dev 0.7726

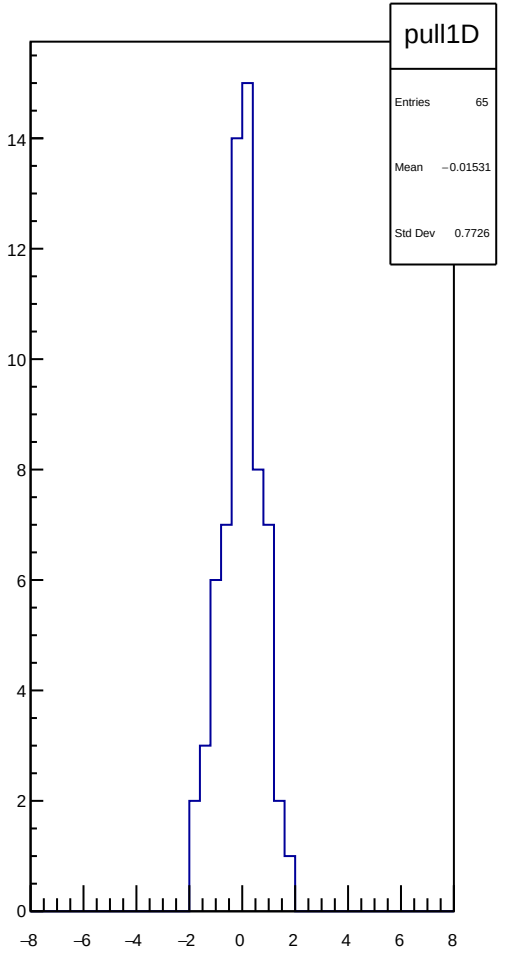

reg_asym_sam7_rms vs run
χ² / ndf 3.53e+04 / 64
p0 120.8 ± 0.1068
450
400
350
300
250
200
150
100

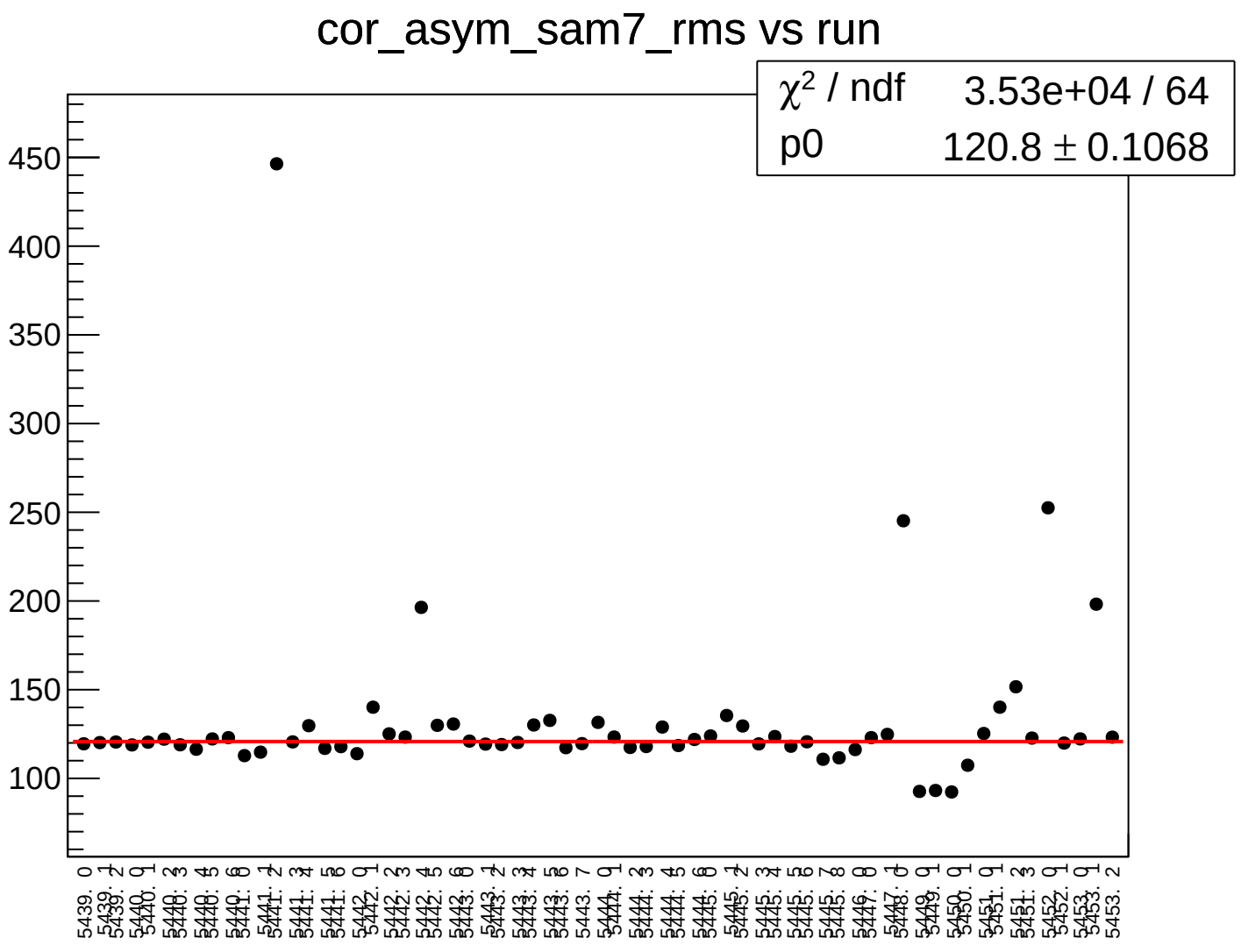

asym_sam7_reg_correction_mean vs run
χ² / ndf 72.49 / 64
p0 −558.5 ± 352.2
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −54.39
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

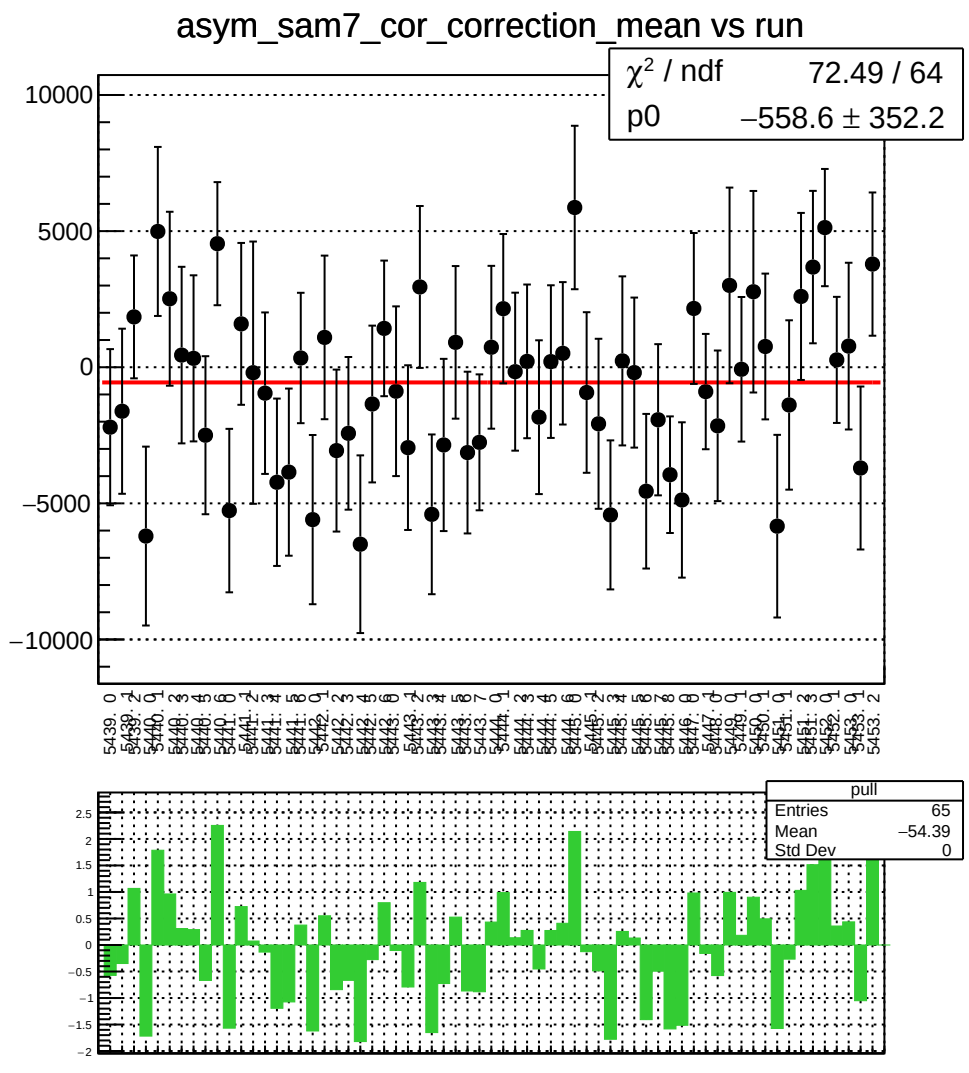

pull1D
Entries 65
Mean −0.02874
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

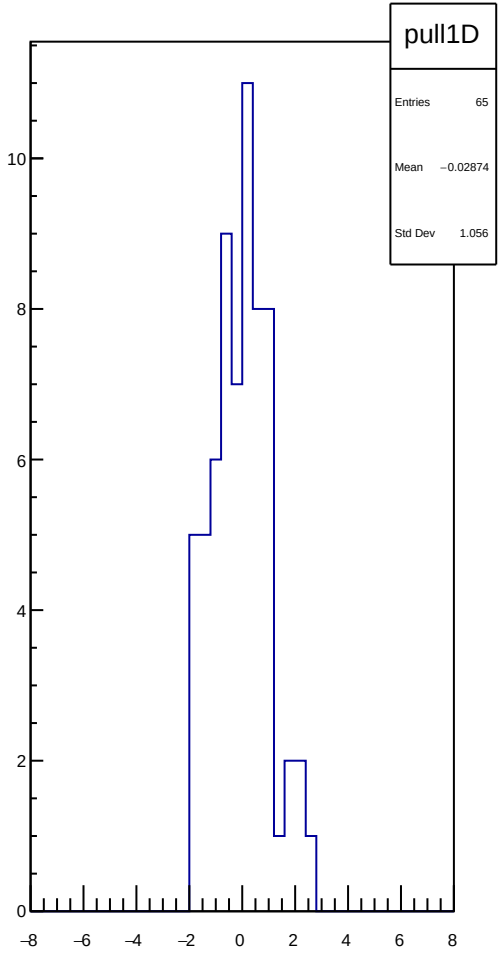

asym_sam7_reg_correction_rms vs run
χ² / ndf 1.3e+04 / 64
p0 284.2 ± 0.249
450
400
350
300
250
200

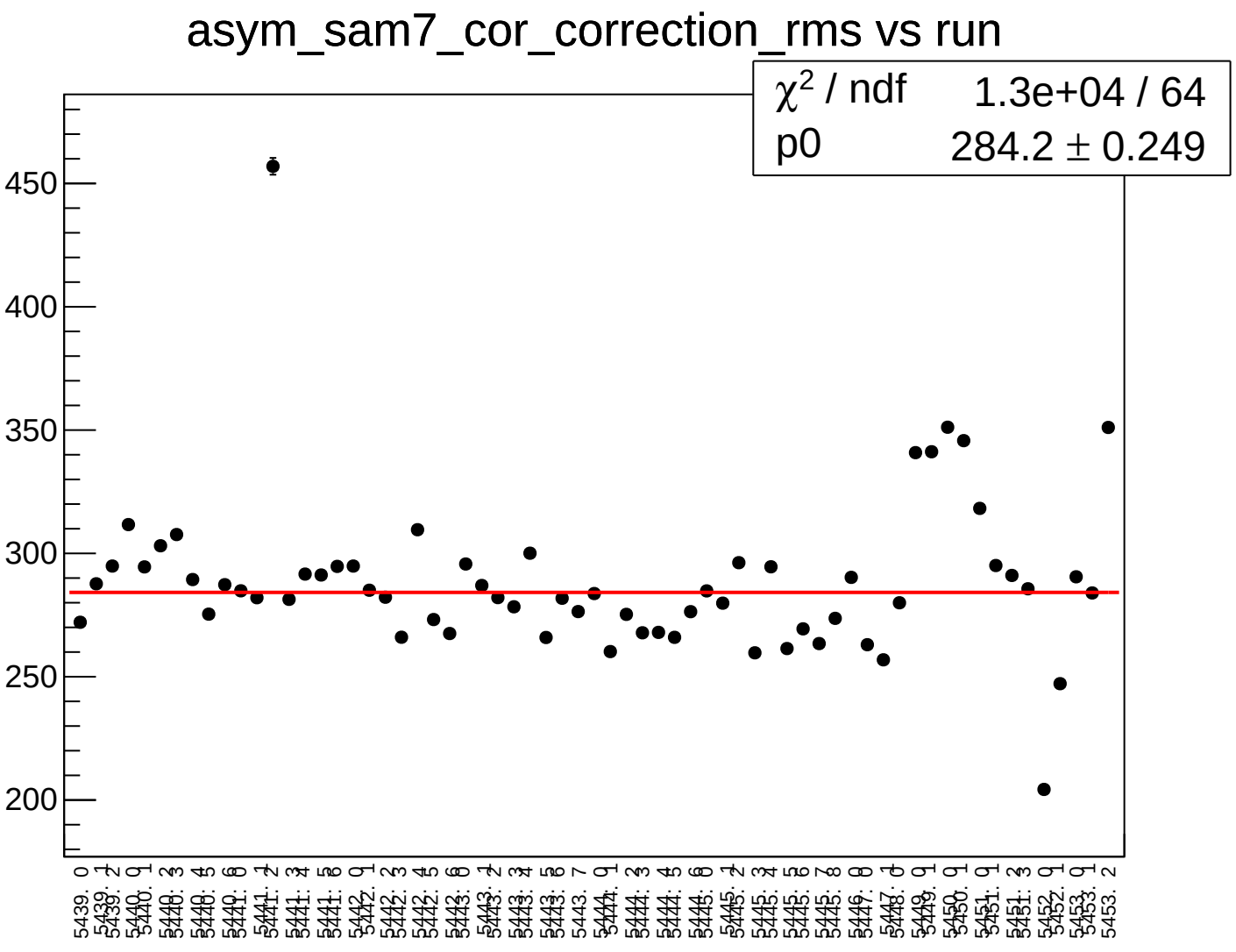

cor_asym_sam7_mean vs run
χ² / ndf 38.82 / 64
p0 −53.58 ± 151
pull
Entries 65
Mean 64.81
Std Dev 41.13

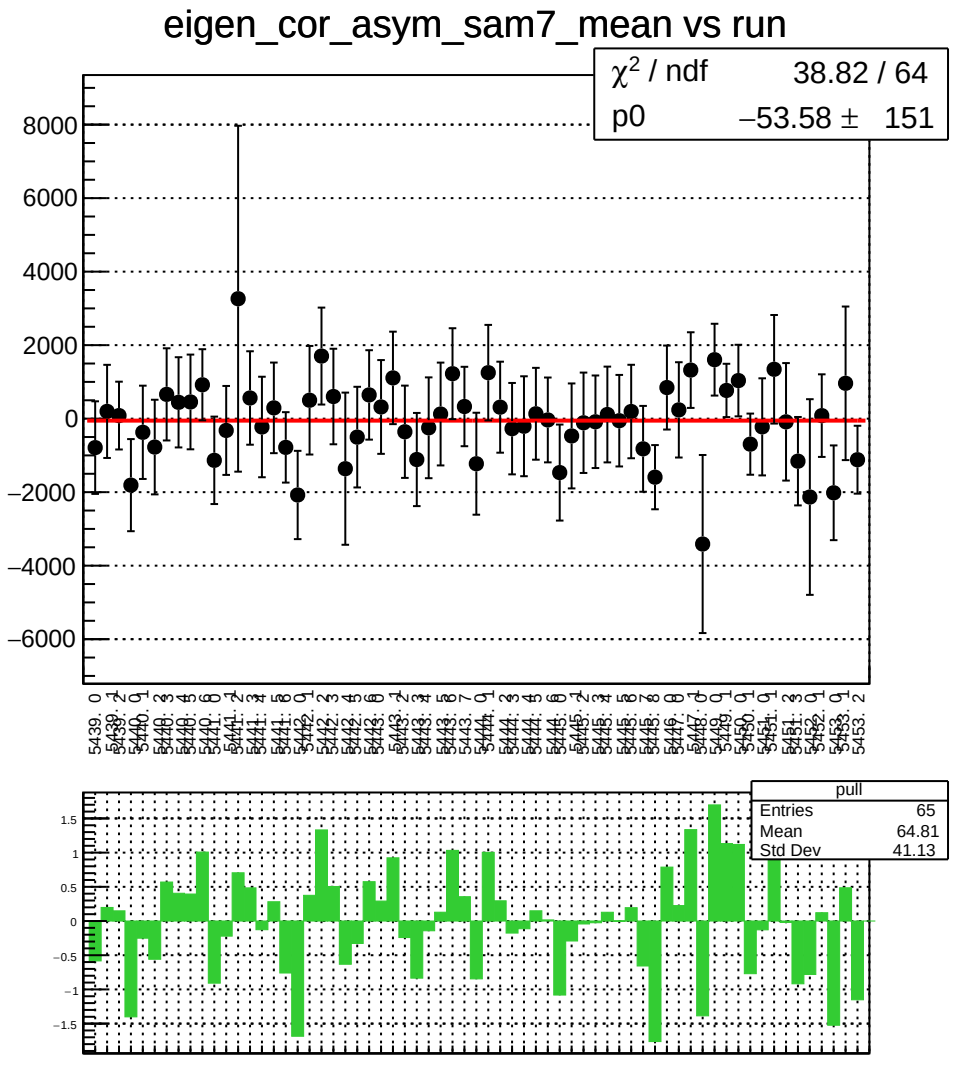

pull1D
Entries 65
Mean −0.01531
Std Dev 0.7726

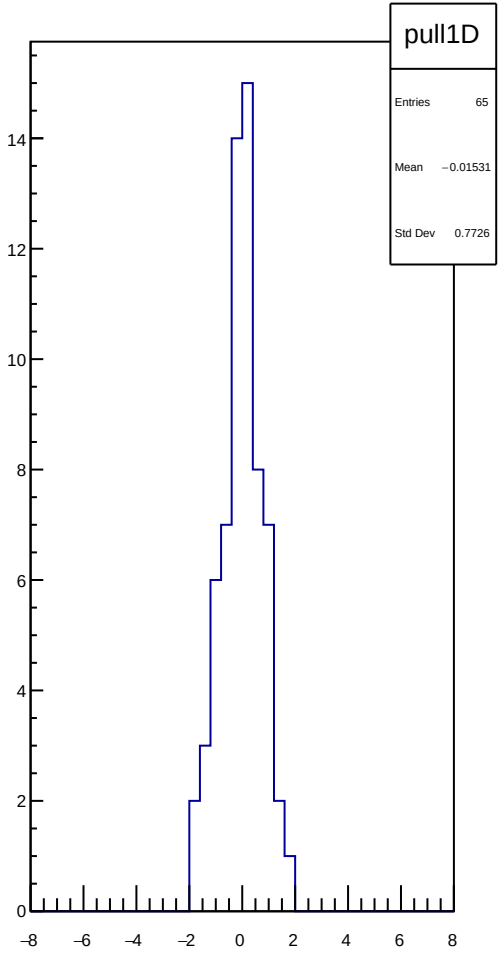

cor_asym_sam7_rms vs run
χ² / ndf 3.53e+04 / 64
p0 120.8 ± 0.1068
450
400
350
300
250
200
150
100

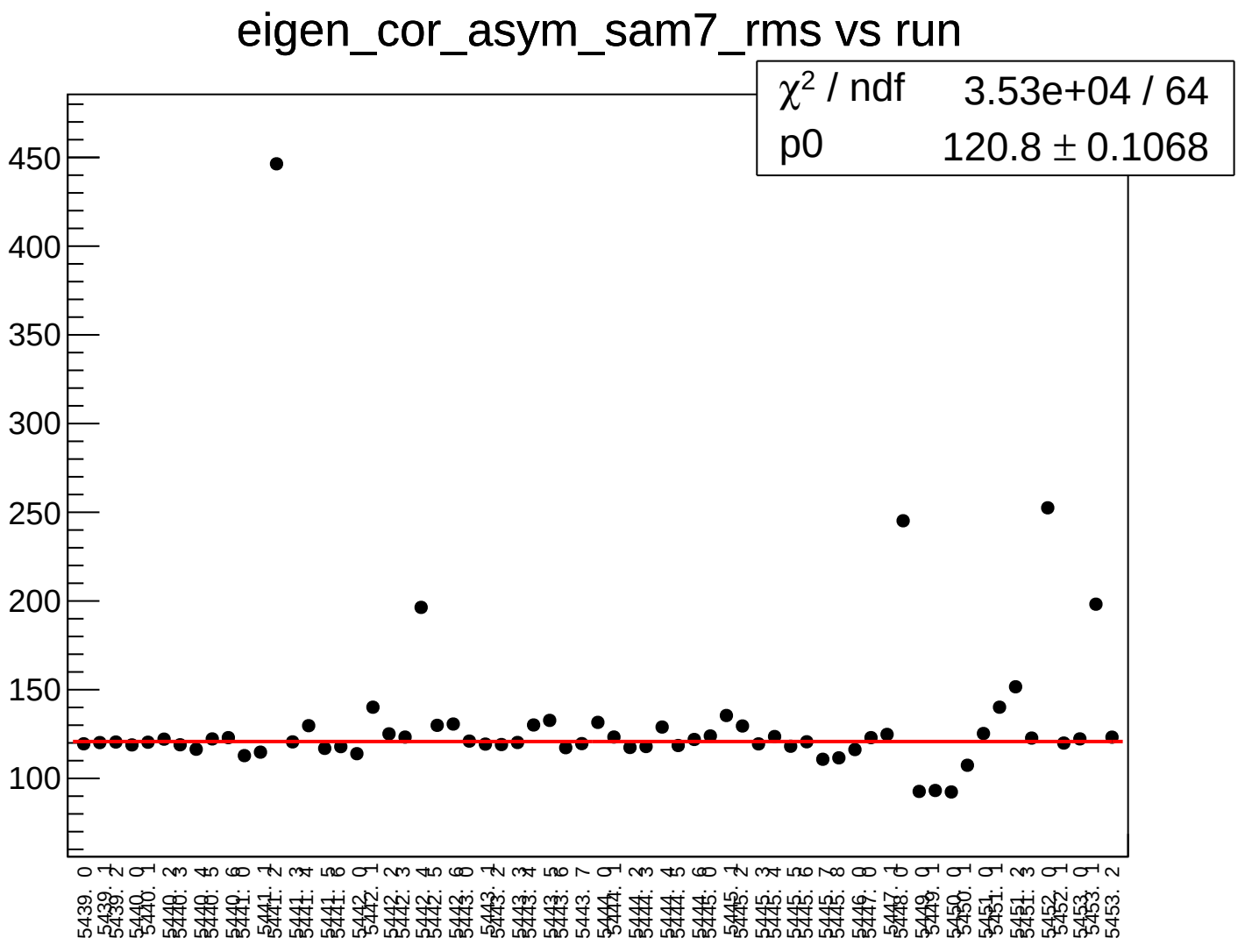

asym_sam7_cor_correction_mean vs run
χ² / ndf 72.49 / 64
p0 −558.6 ± 352.2
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −54.39
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

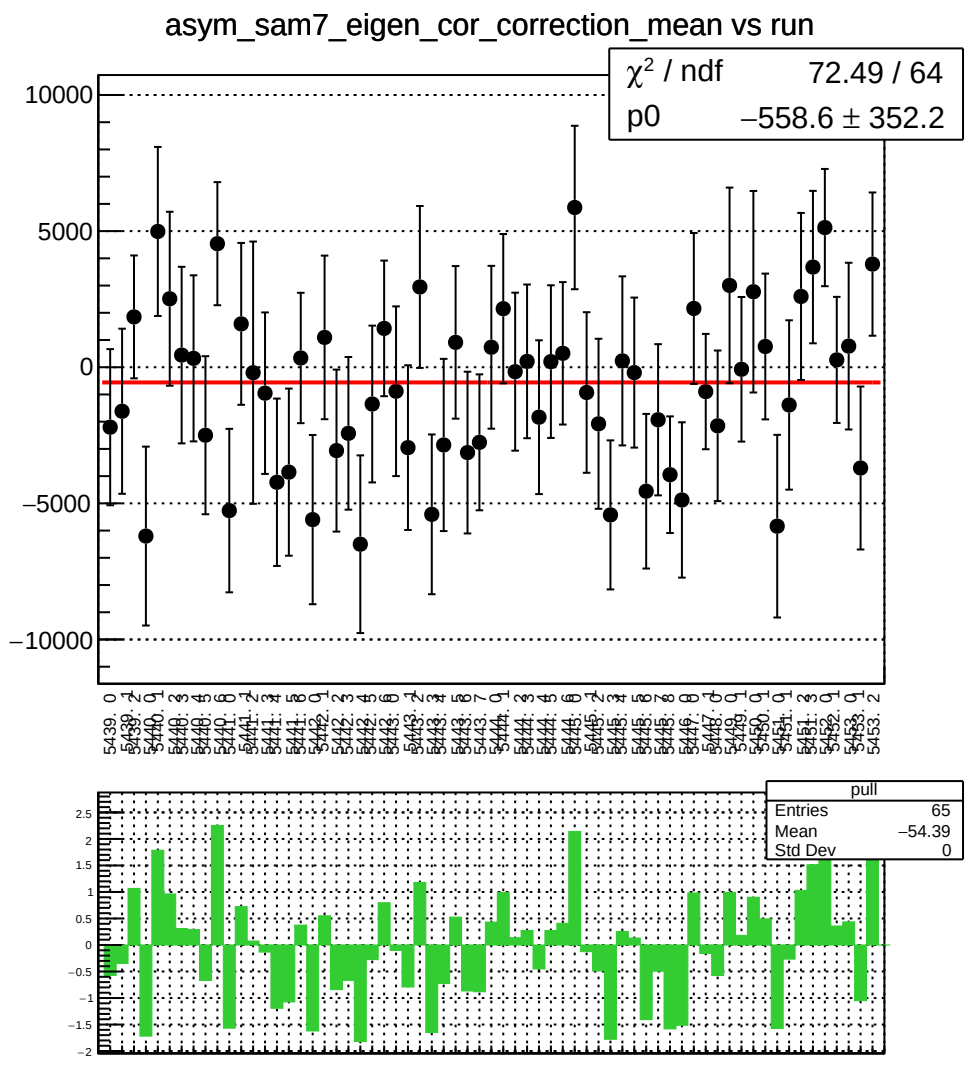

pull1D
Entries 65
Mean −0.02874
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

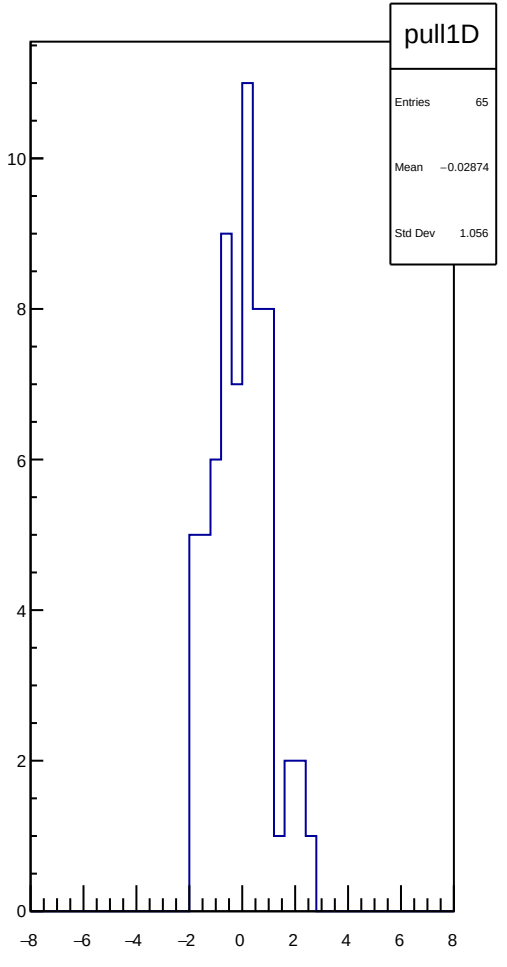

asym_sam7_cor_correction_rms vs run
χ² / ndf 1.3e+04 / 64
p0 284.2 ± 0.249
450
400
350
300
250
200

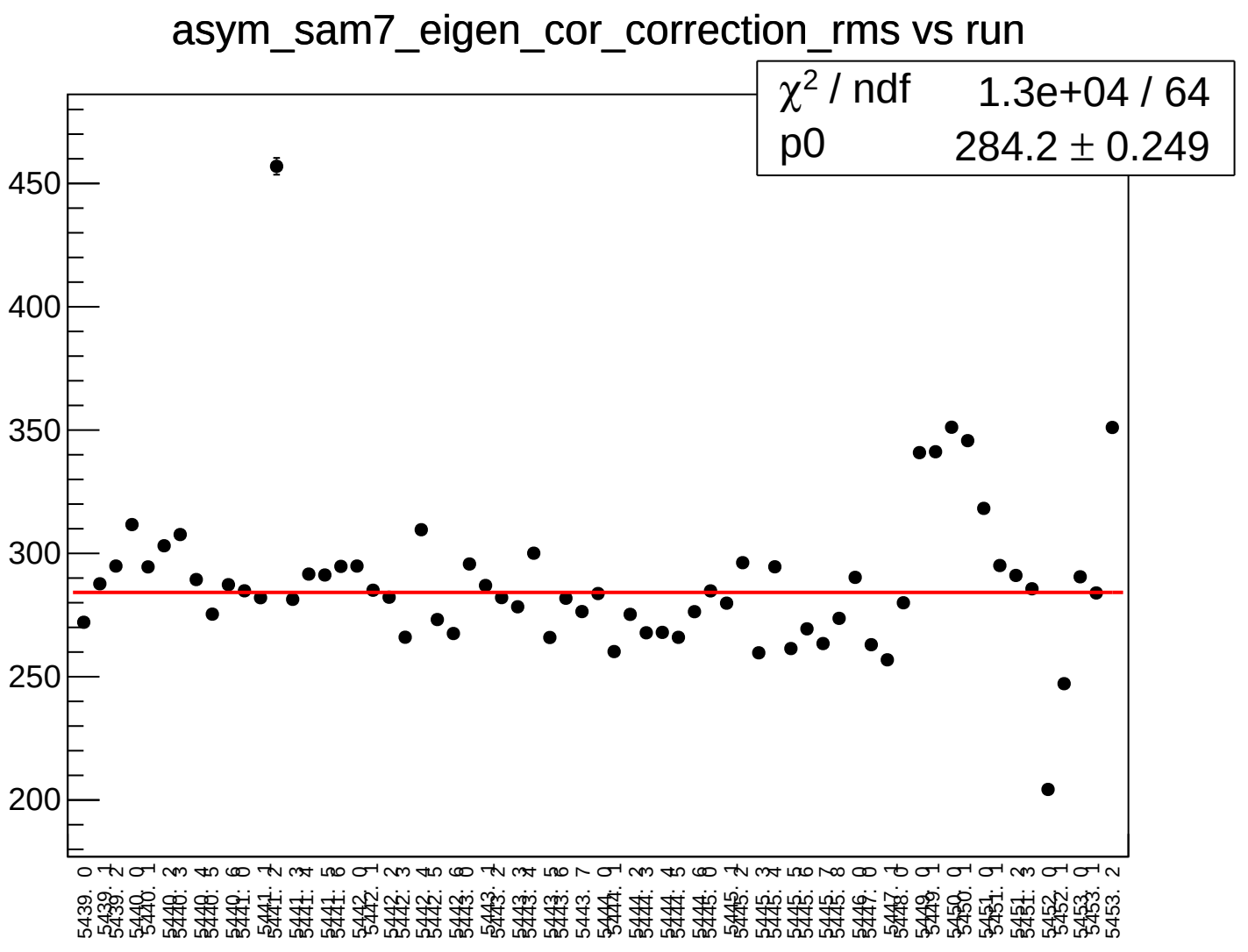

eigen_cor_asym_sam7_mean vs run
χ² / ndf 38.82 / 64
p0 −53.58 ± 151
pull
Entries 65
Mean 64.81
Std Dev 41.13

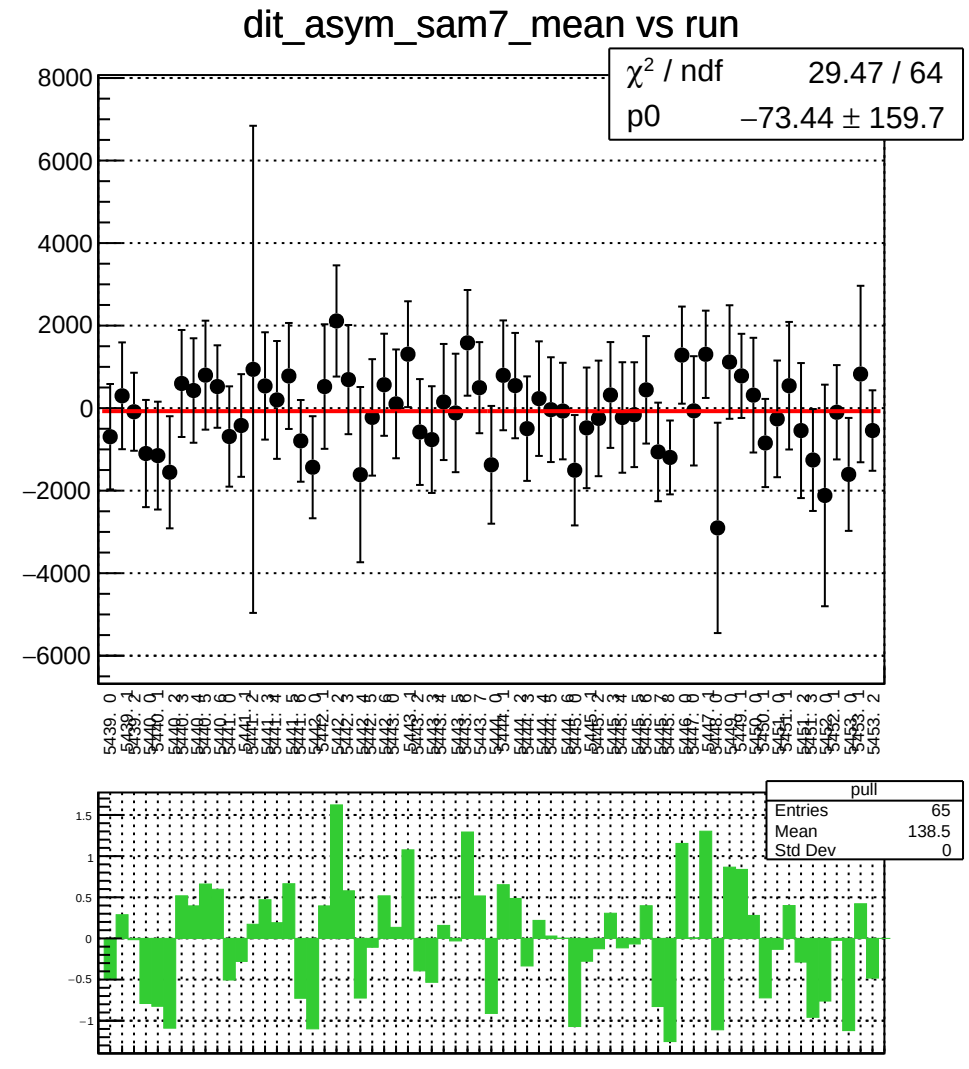

pull1D
Entries 65
Mean −0.01531
Std Dev 0.7726

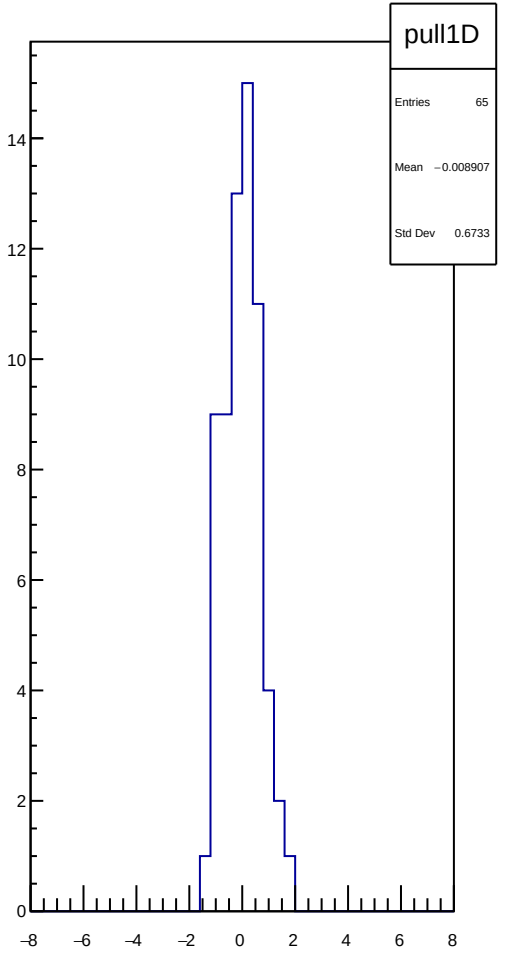

eigen_cor_asym_sam7_rms vs run
χ² / ndf 3.53e+04 / 64
p0 120.8 ± 0.1068
450
400
350
300
250
200
150
100

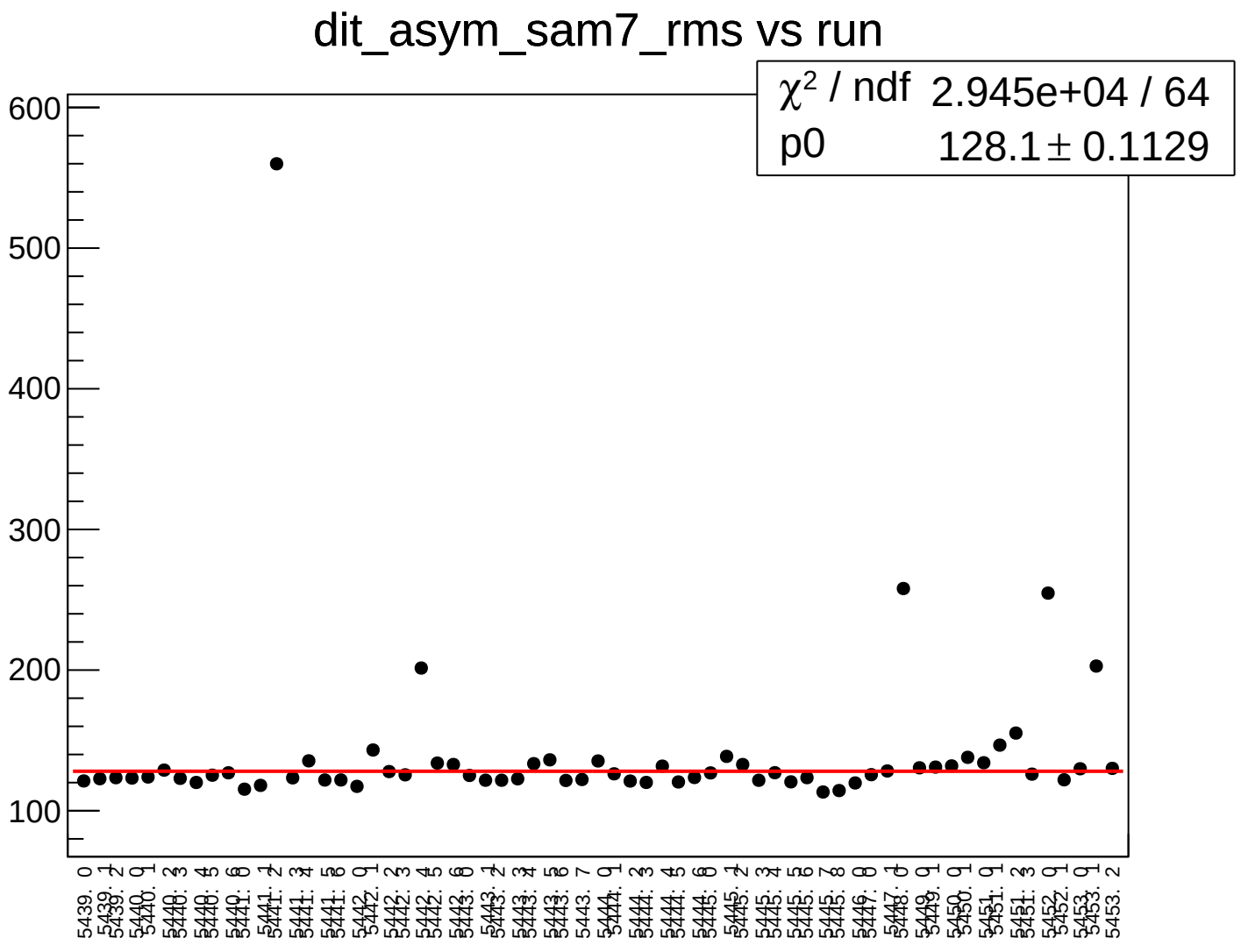

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 72.49 / 64
p0 −558.6 ± 352.2
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −54.39
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

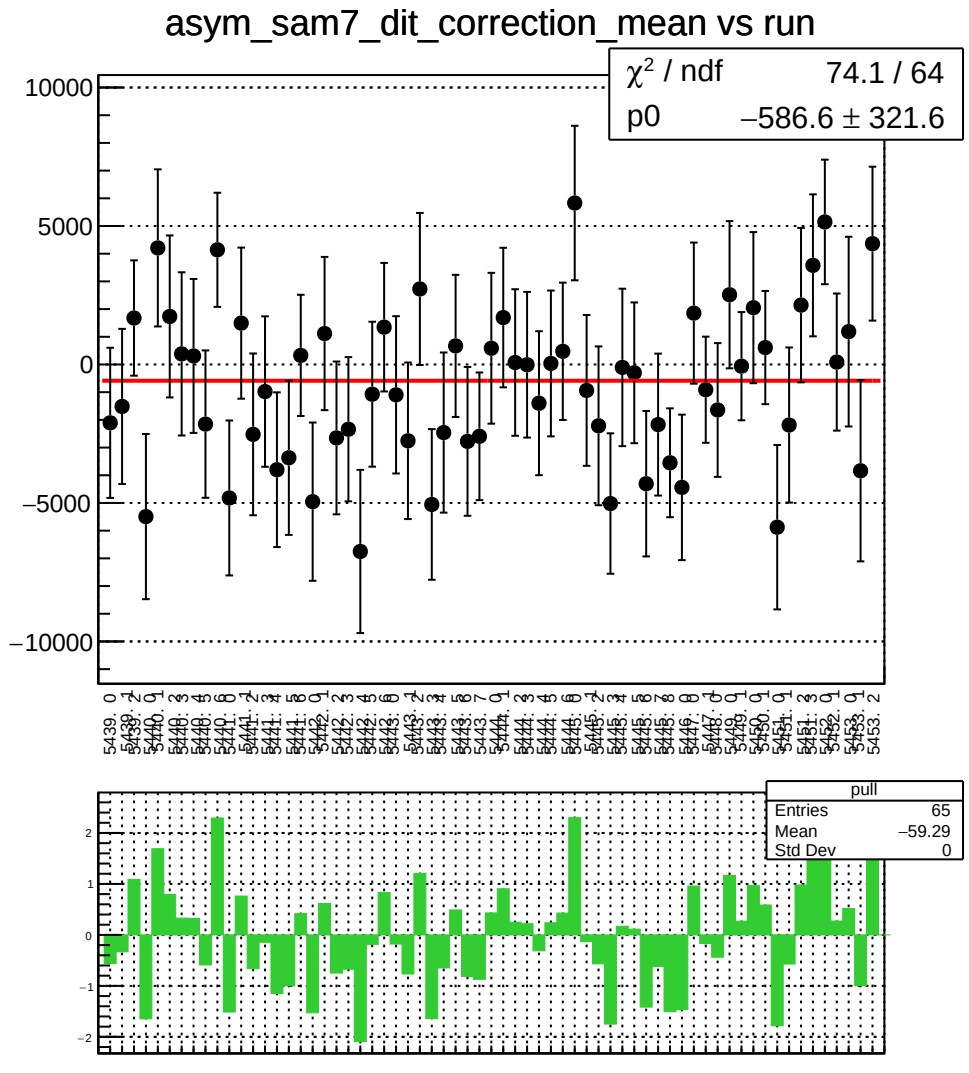

pull1D
Entries 65
Mean −0.02874
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

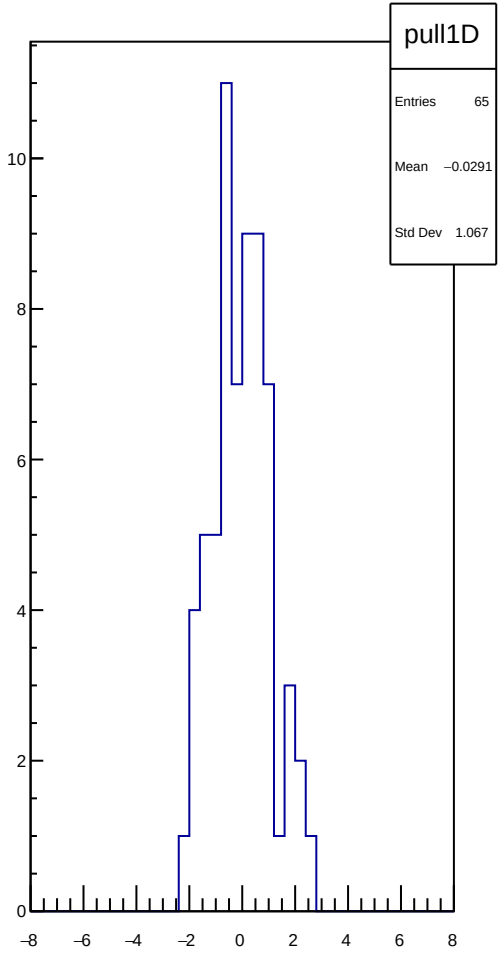

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 1.3e+04 / 64
p0 284.2 ± 0.249
450
400
350
300
250
200

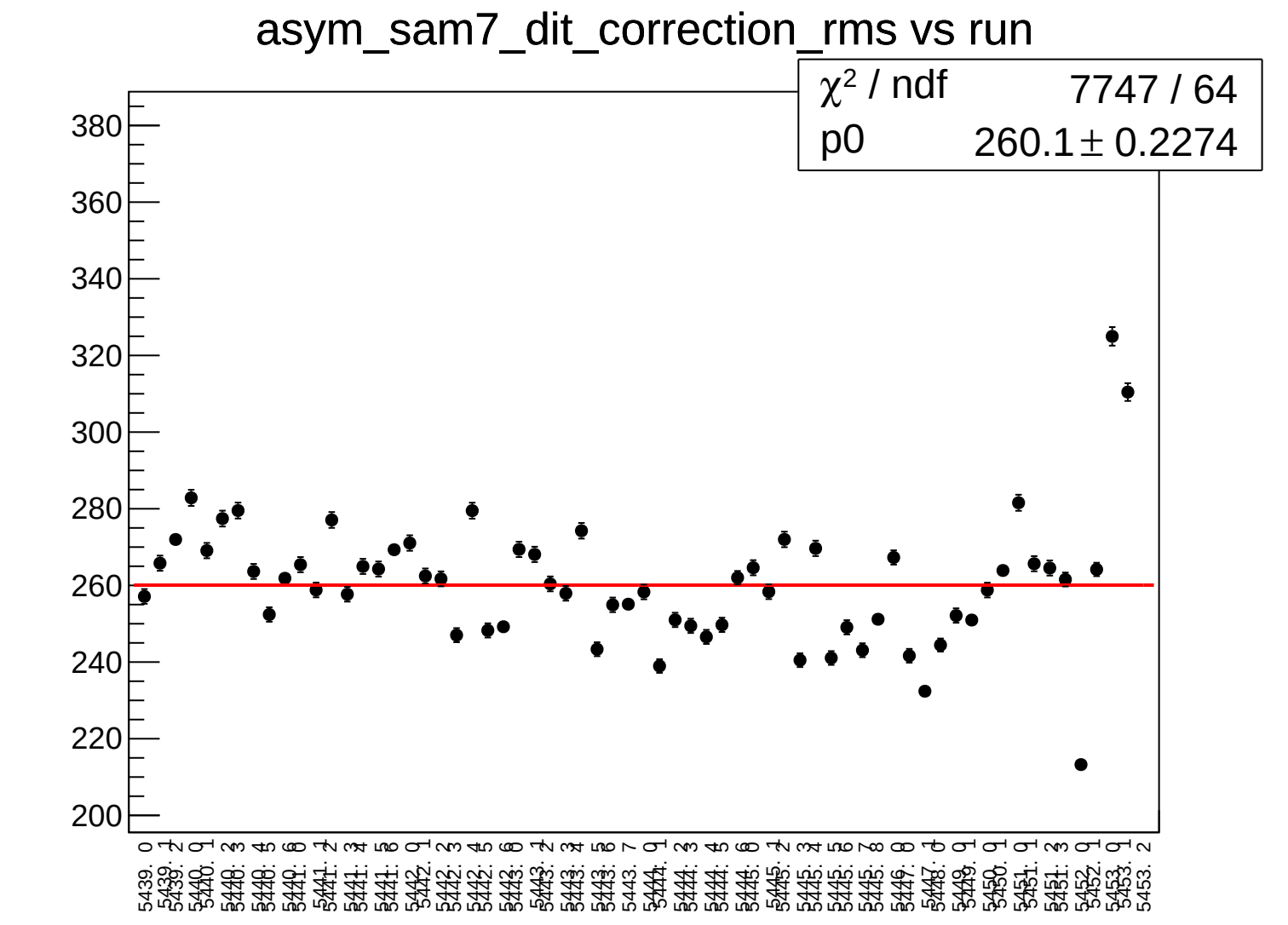

dit_asym_sam7_mean vs run
χ² / ndf 29.47 / 64
p0 −73.44 ± 159.7
pull
Entries 65
Mean 138.5
Std Dev 0

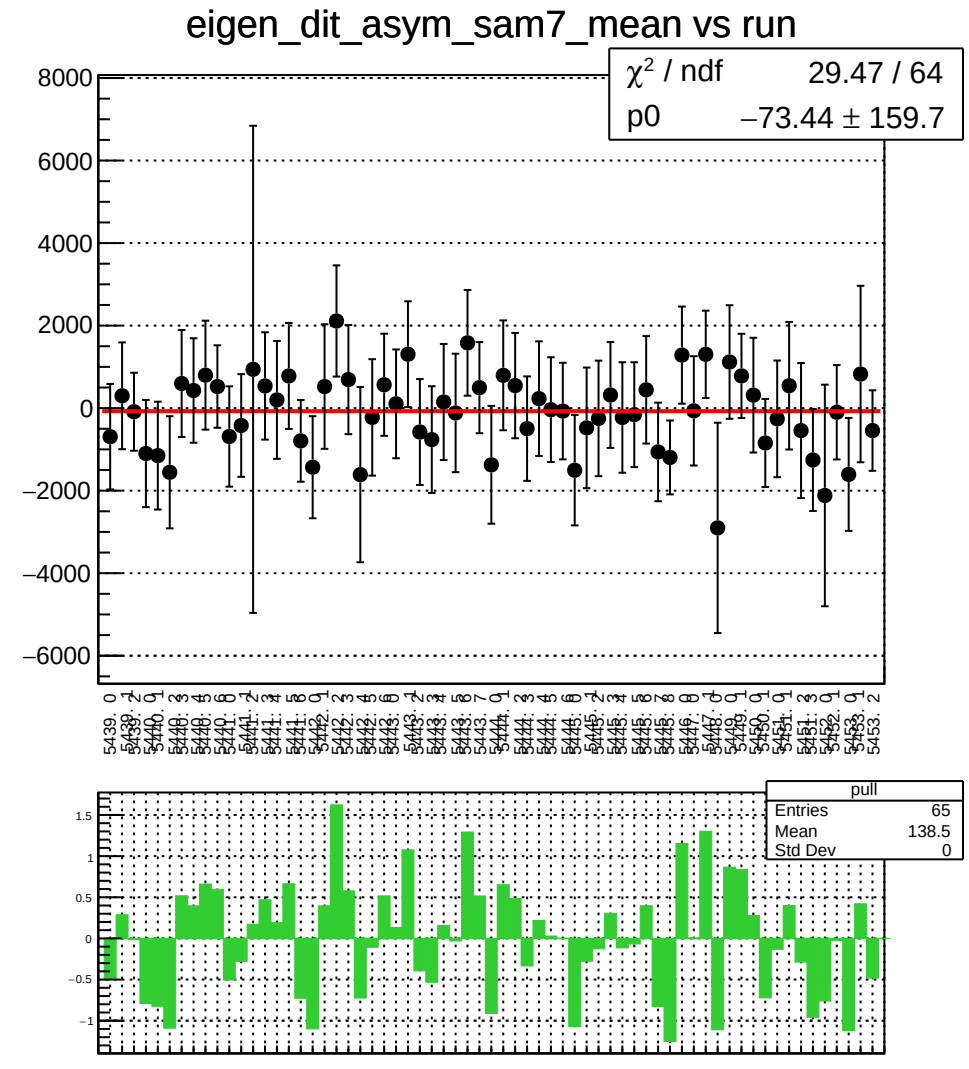

pull1D
Entries 65
Mean −0.008907
Std Dev 0.6733

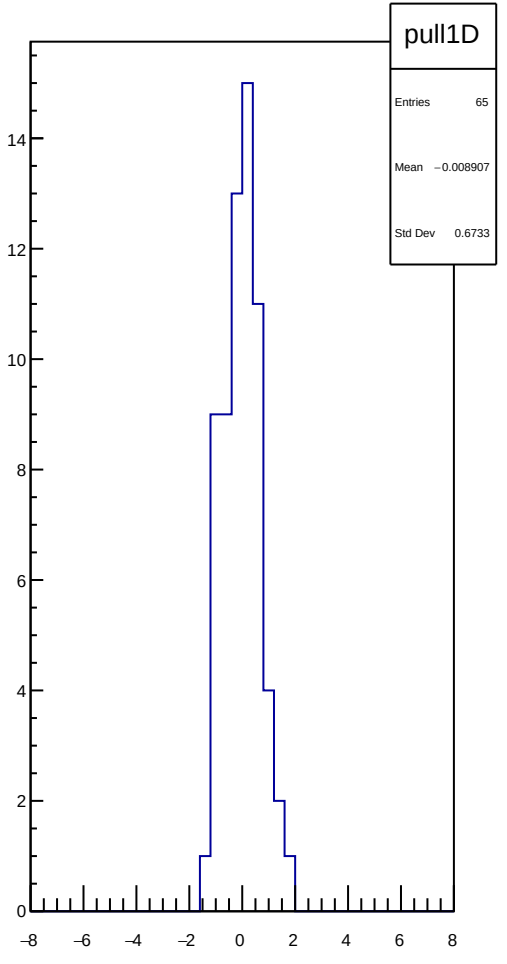

dit_asym_sam7_rms vs run
χ² / ndf 2.945e+04 / 64
p0 128.1 ± 0.1129
600
500
400
300
200
100

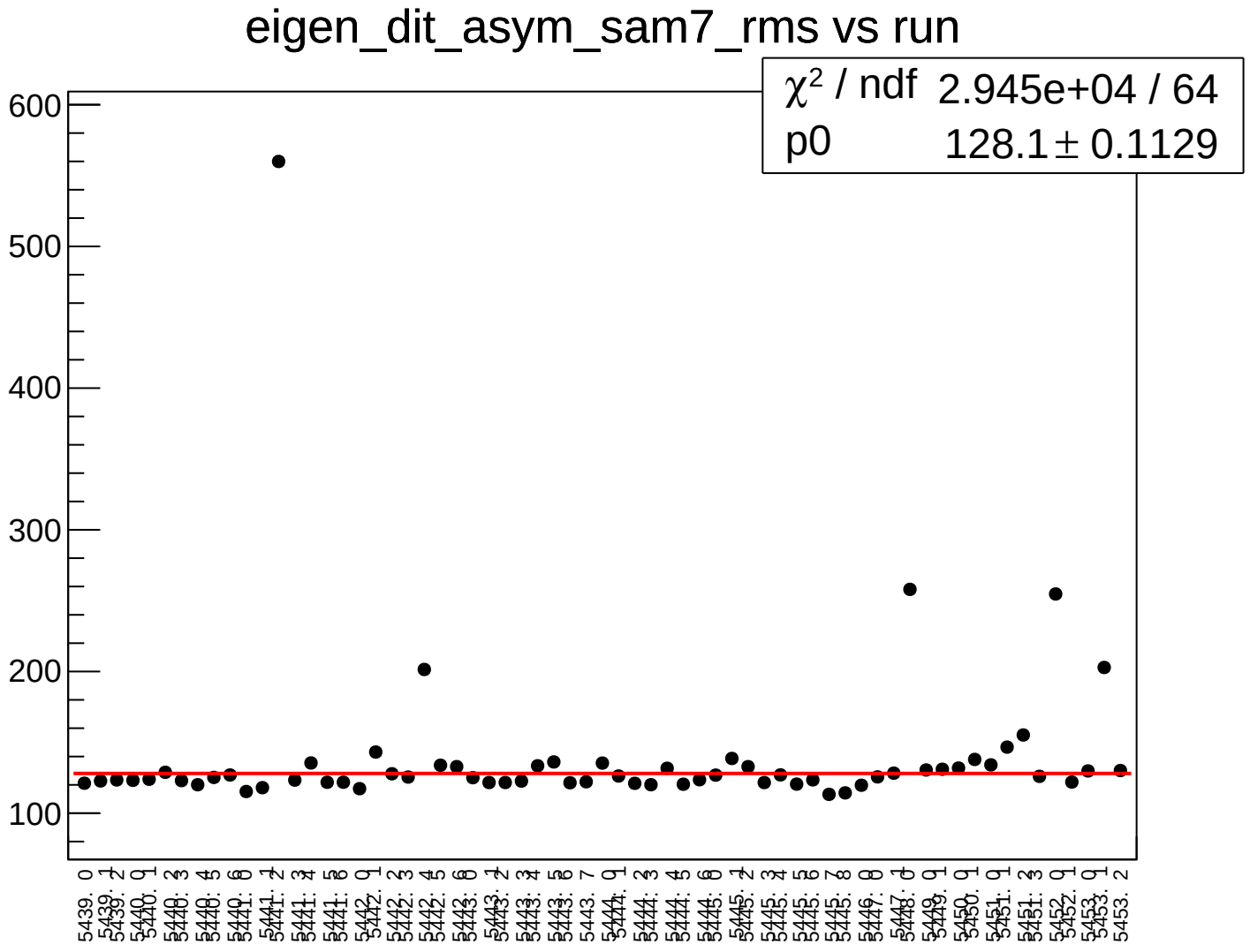

asym_sam7_dit_correction_mean vs run
χ² / ndf 74.1 / 64
p0 −586.6 ± 321.6
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −59.29
Std Dev 0
2
1
0
−1
−2

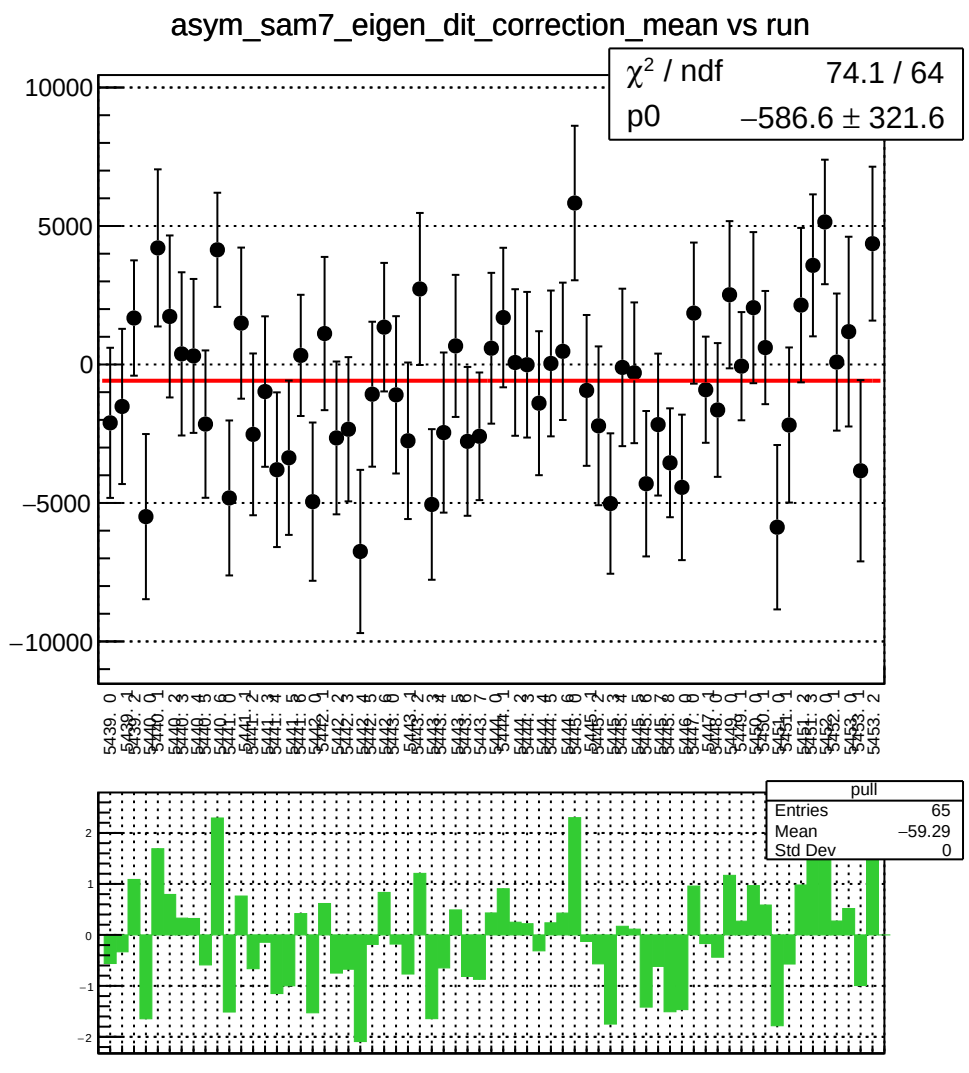

pull1D
Entries 65
Mean −0.0291
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

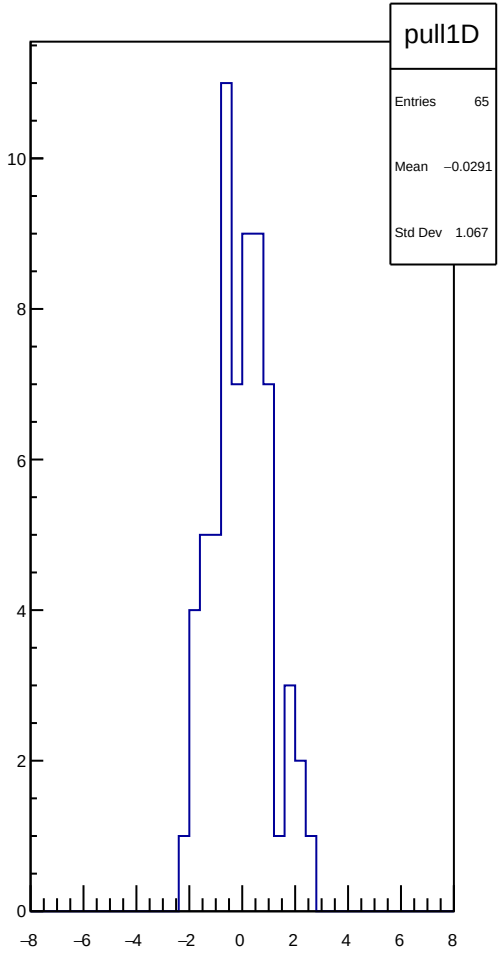

asym_sam7_dit_correction_rms vs run
χ² / ndf 7747 / 64
p0 260.1 ± 0.2274
380
360
340
320
300
280
260
240
220
200

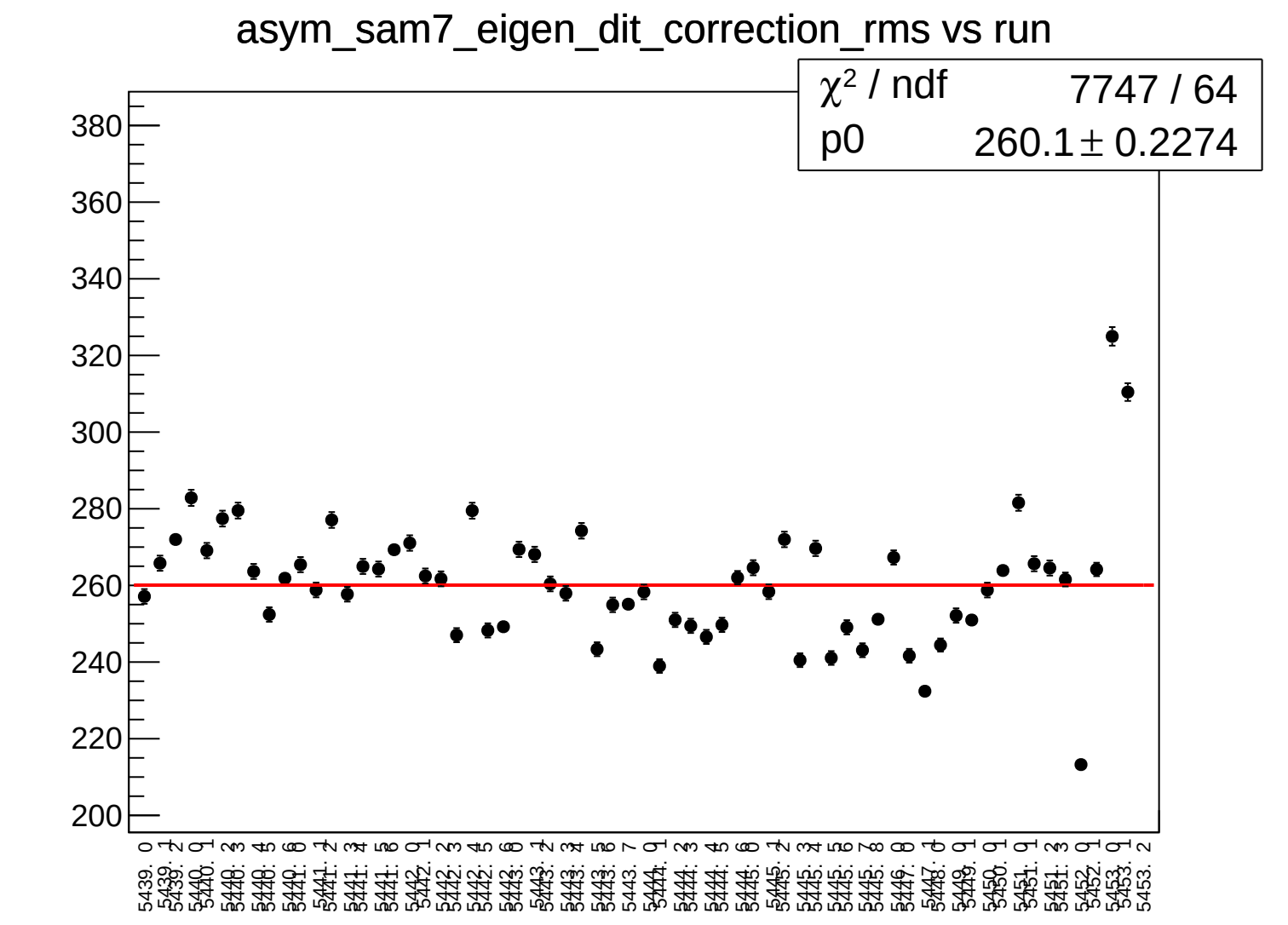

eigen_dit_asym_sam7_mean vs run
χ² / ndf 29.47 / 64
p0 −73.44 ± 159.7
pull
Entries 65
Mean 138.5
Std Dev 0

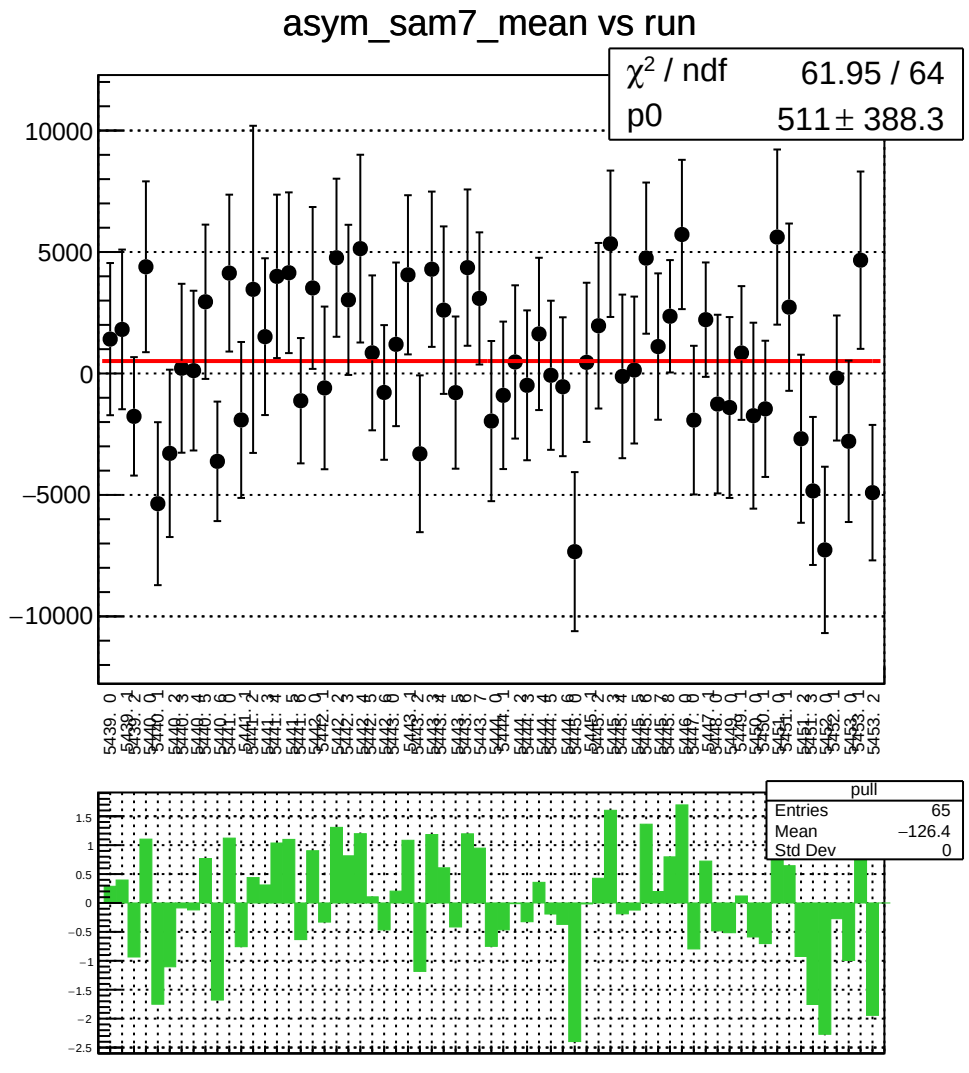

pull1D
Entries 65
Mean −0.008907
Std Dev 0.6733

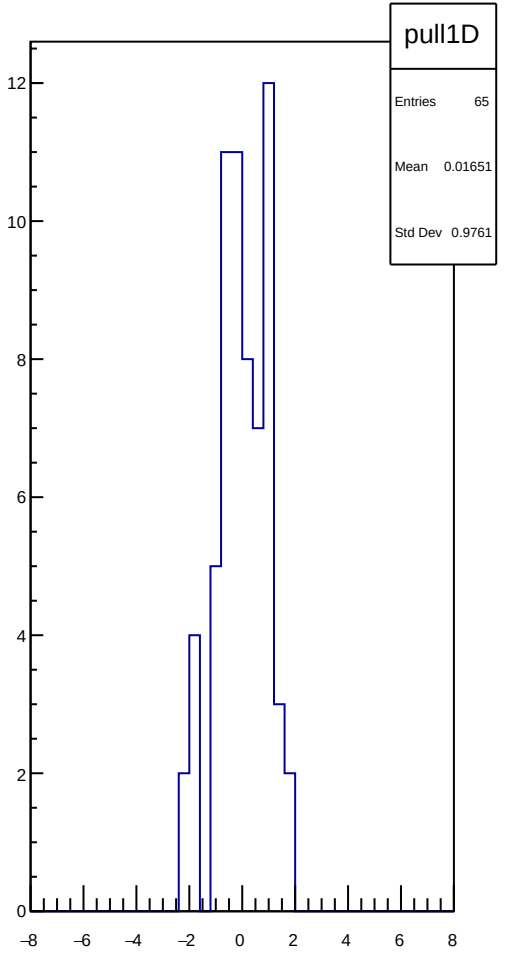

eigen_dit_asym_sam7_rms vs run
χ² / ndf 2.945e+04 / 64
p0 128.1 ± 0.1129
600
500
400
300
200
100

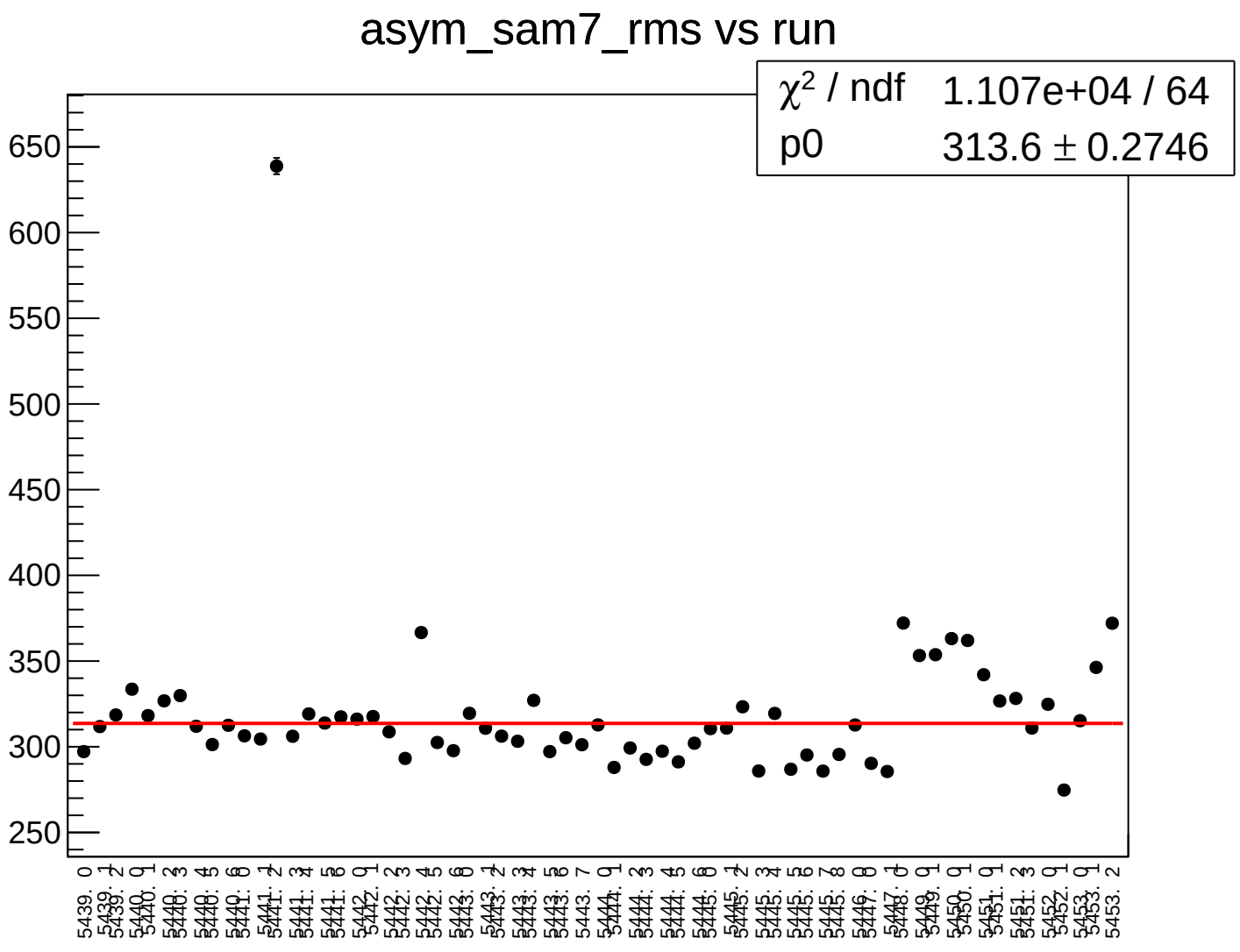

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 74.1 / 64
p0 −586.6 ± 321.6
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −59.29
Std Dev 0
2
1
0
−1
−2

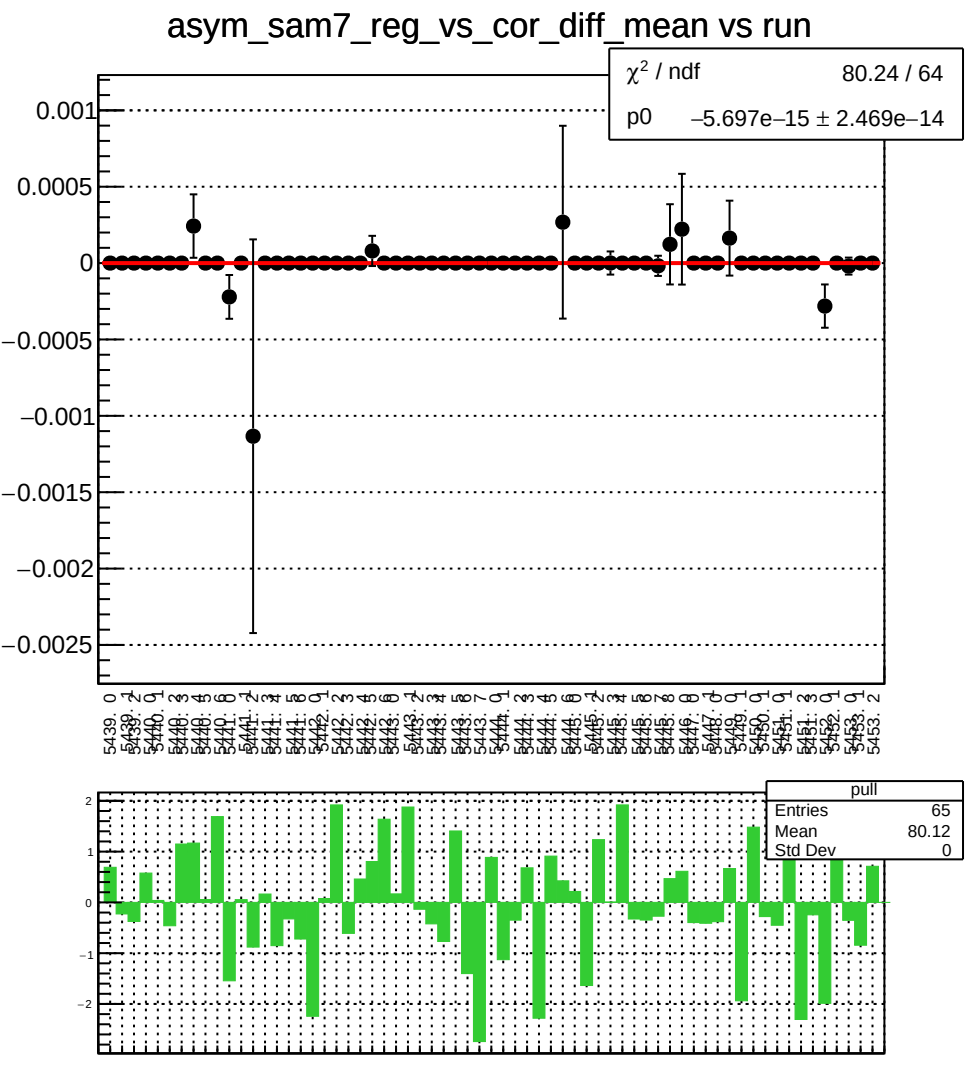

pull1D
Entries 65
Mean −0.0291
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

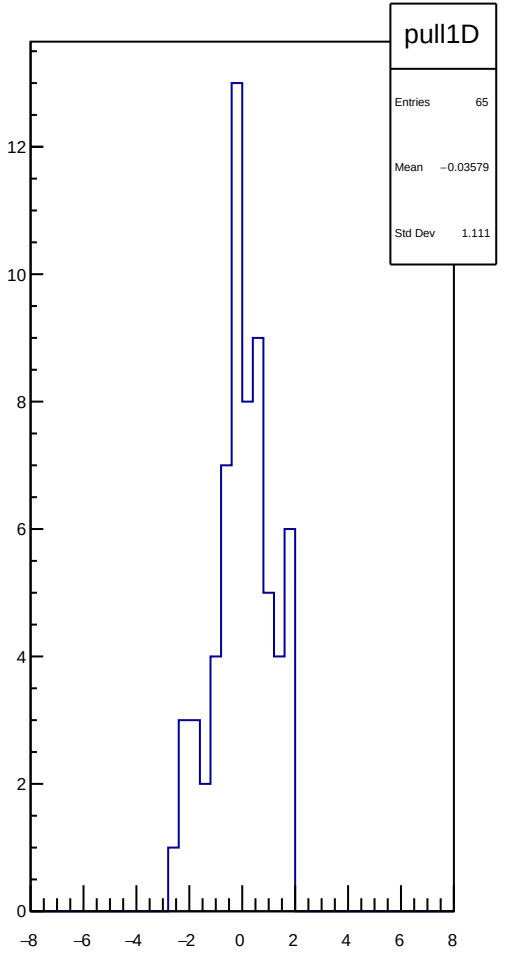

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 7747 / 64
p0 260.1 ± 0.2274
380
360
340
320
300
280
260
240
220
200

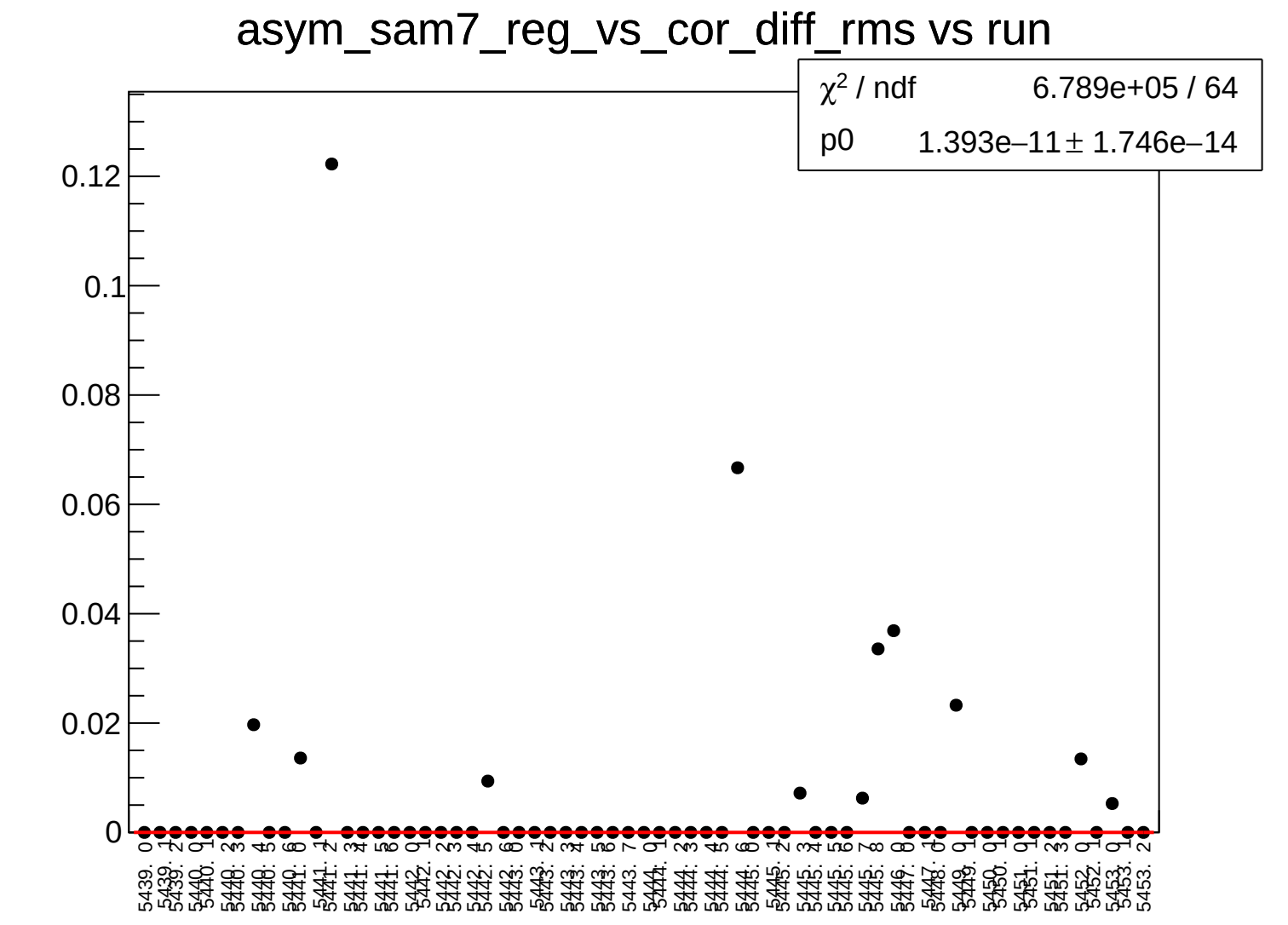

asym_sam7_mean vs run
χ² / ndf 61.95 / 64
p0 511 ± 388.3
pull
Entries 65
Mean −126.4
Std Dev 0

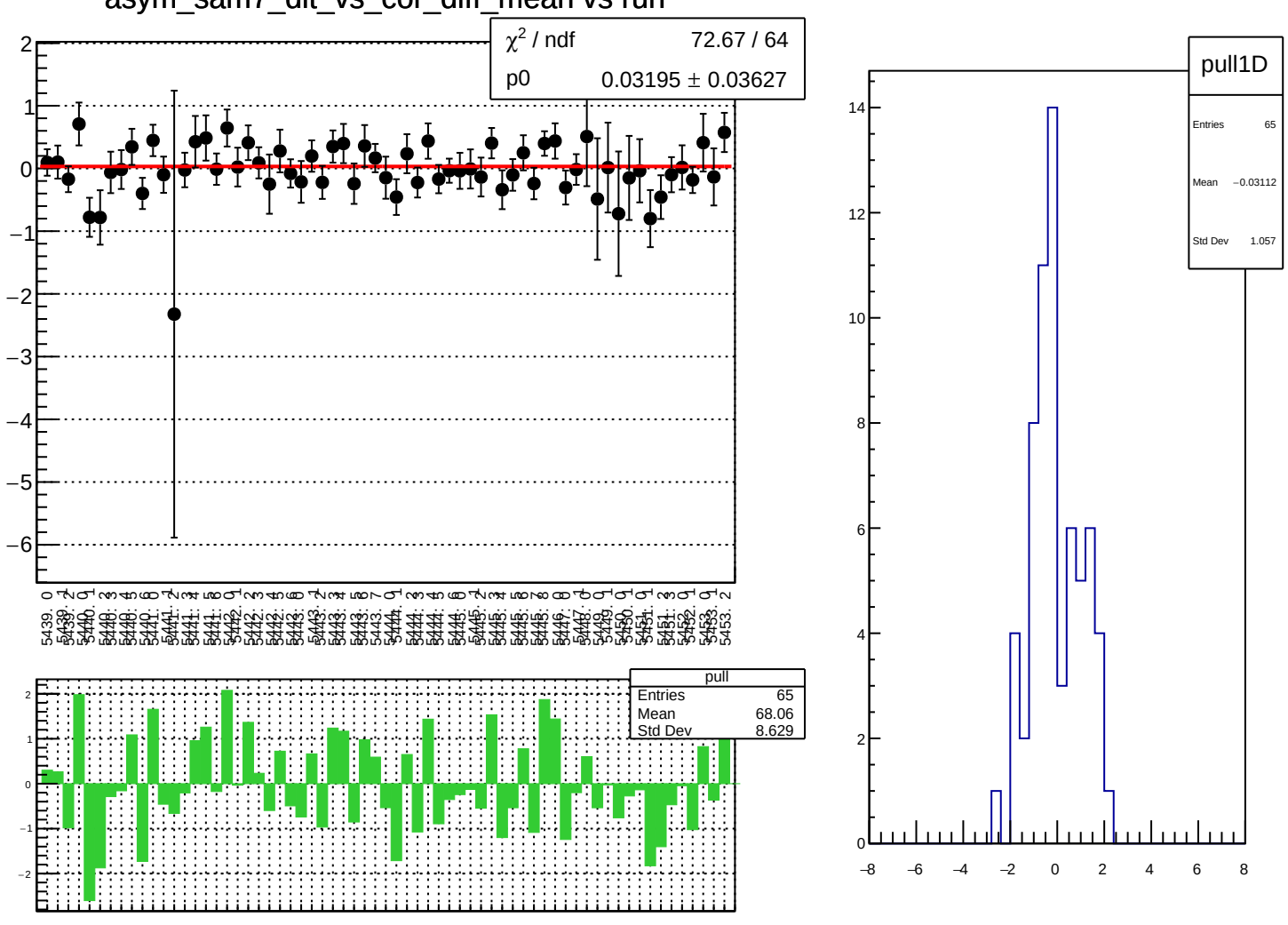

pull1D
Entries 65
Mean 0.01651
Std Dev 0.9761

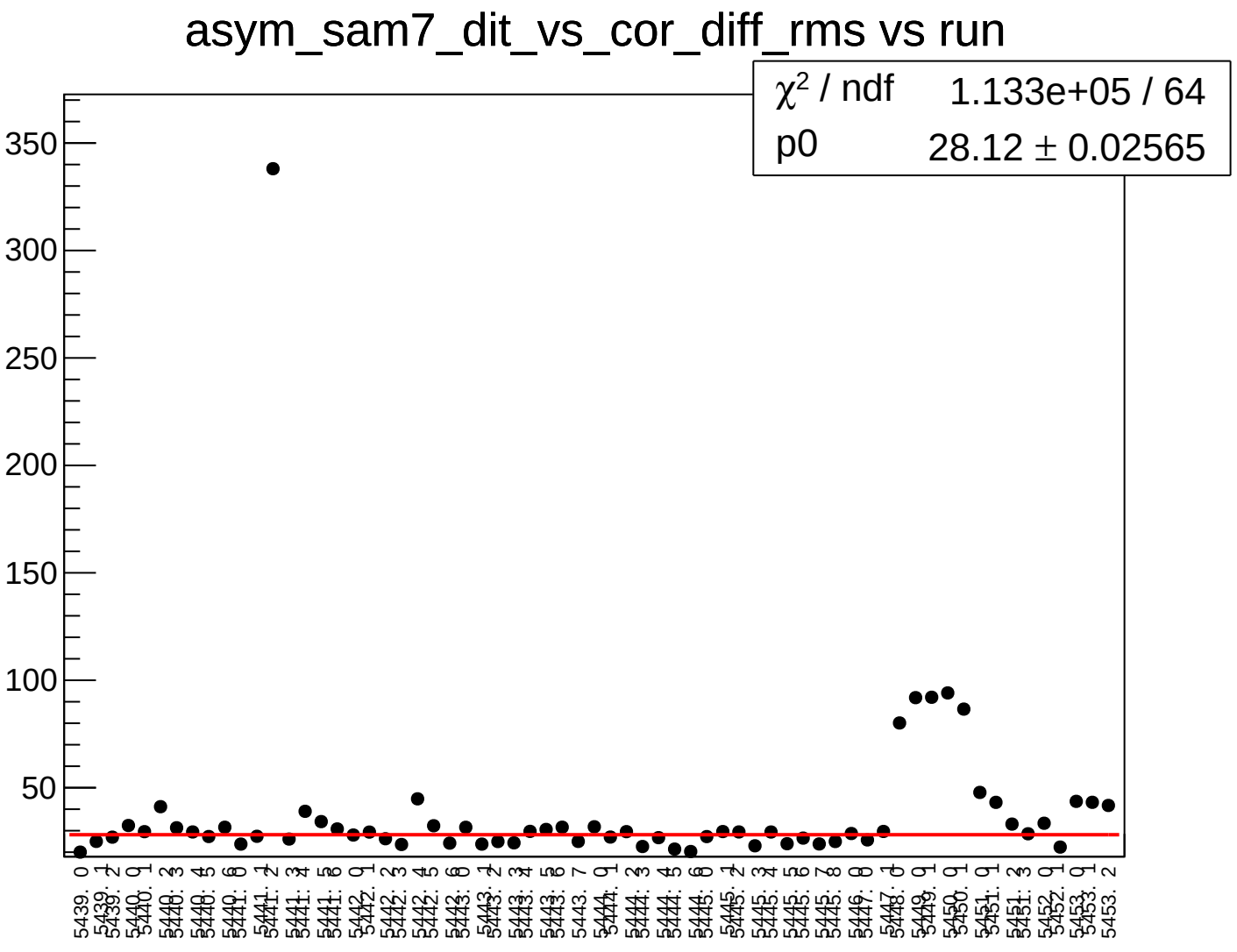

asym_sam7_rms vs run
χ² / ndf 1.107e+04 / 64
p0 313.6 ± 0.2746
650
600
550
500
450
400
350
300
250

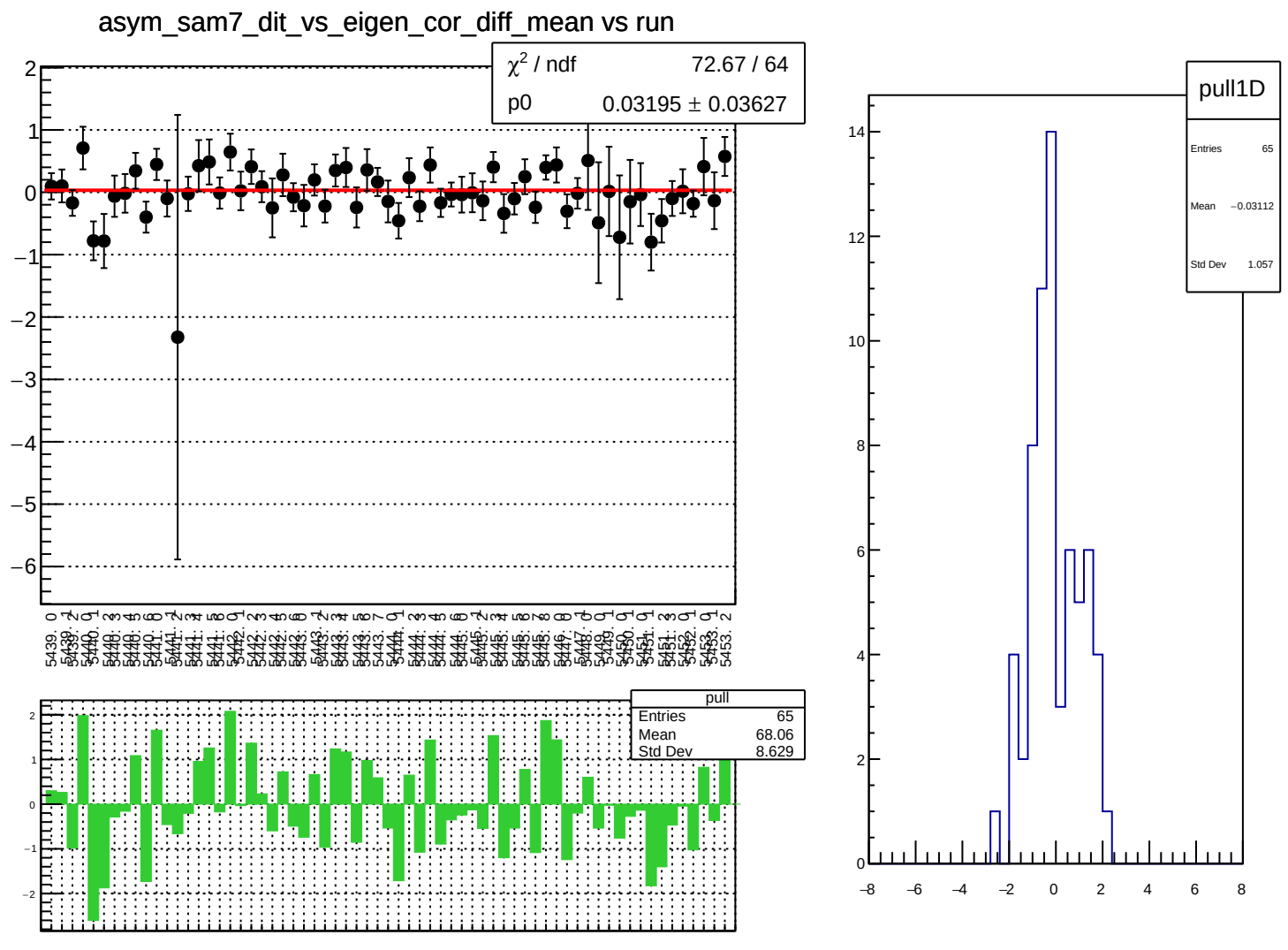

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 80.24 / 64
p0 −5.697e−15 ± 2.469e−14
pull
Entries 65
Mean 80.12
Std Dev 0

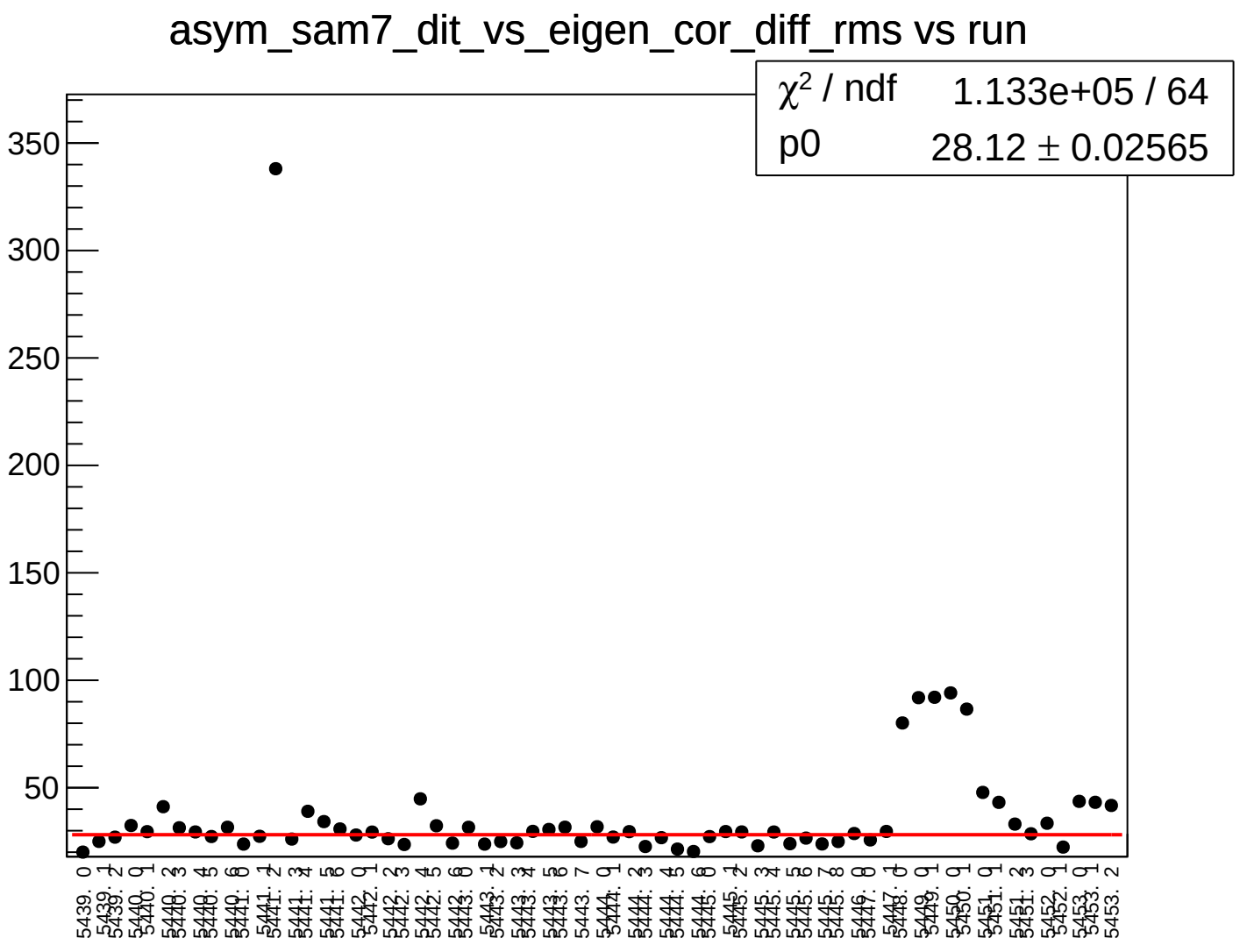

pull1D
Entries 65
Mean −0.03579
Std Dev 1.111

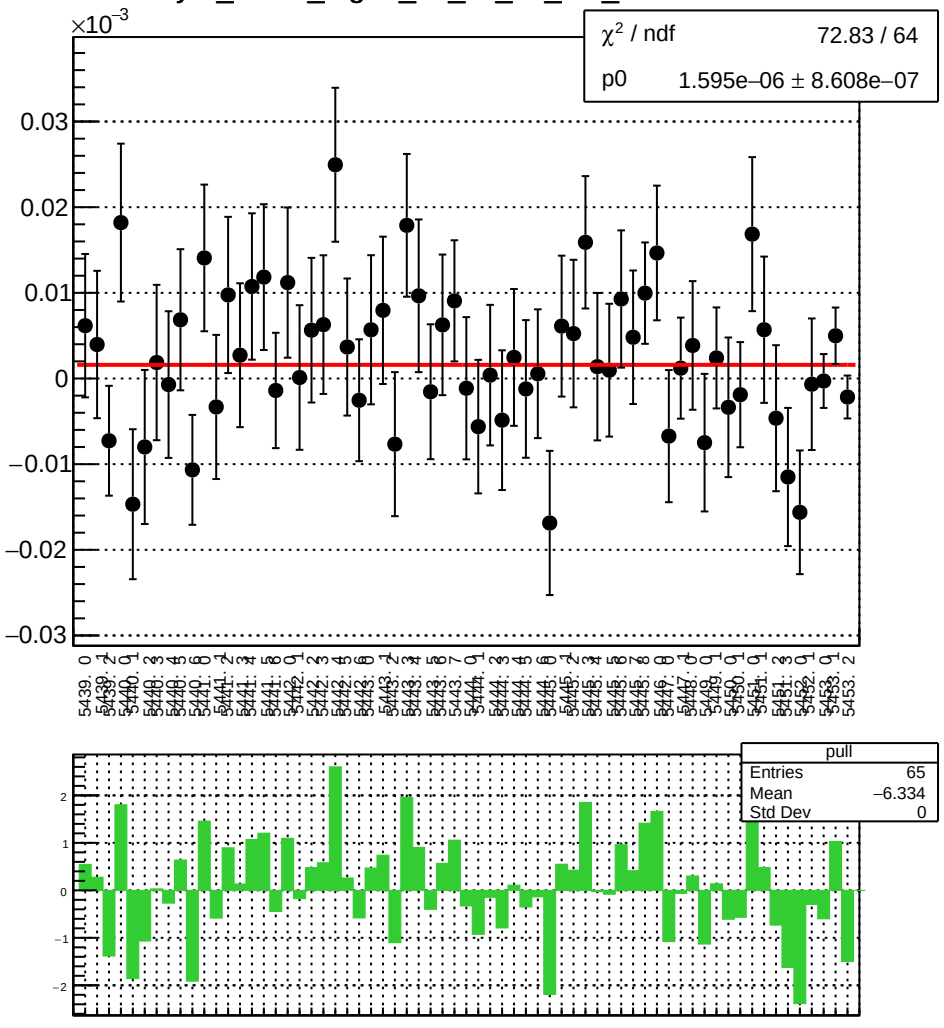

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 6.789e+05 / 64
p0 1.393e−11 ± 1.746e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

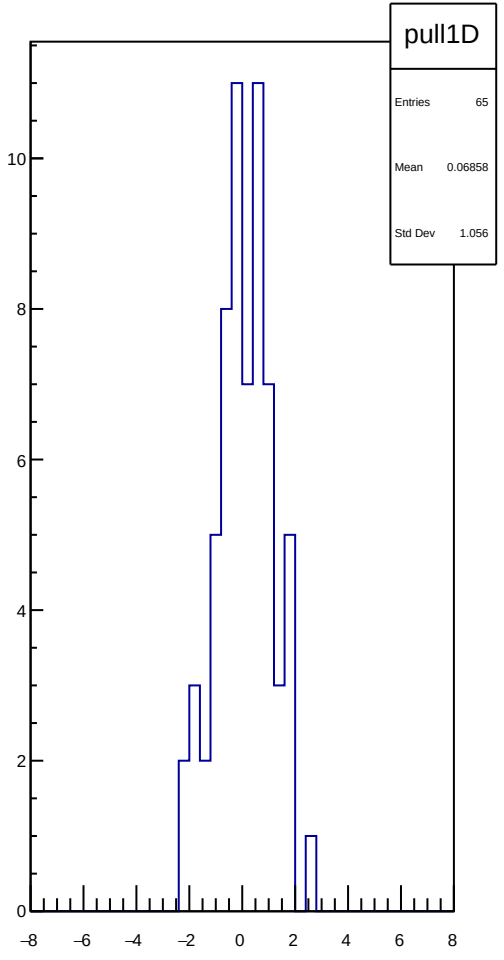

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 72.67 / 64
p0 0.03195 ± 0.03627
pull
Entries 65
Mean 68.06
Std Dev 8.629
pull1D
Entries 65
Mean −0.03112
Std Dev 1.057

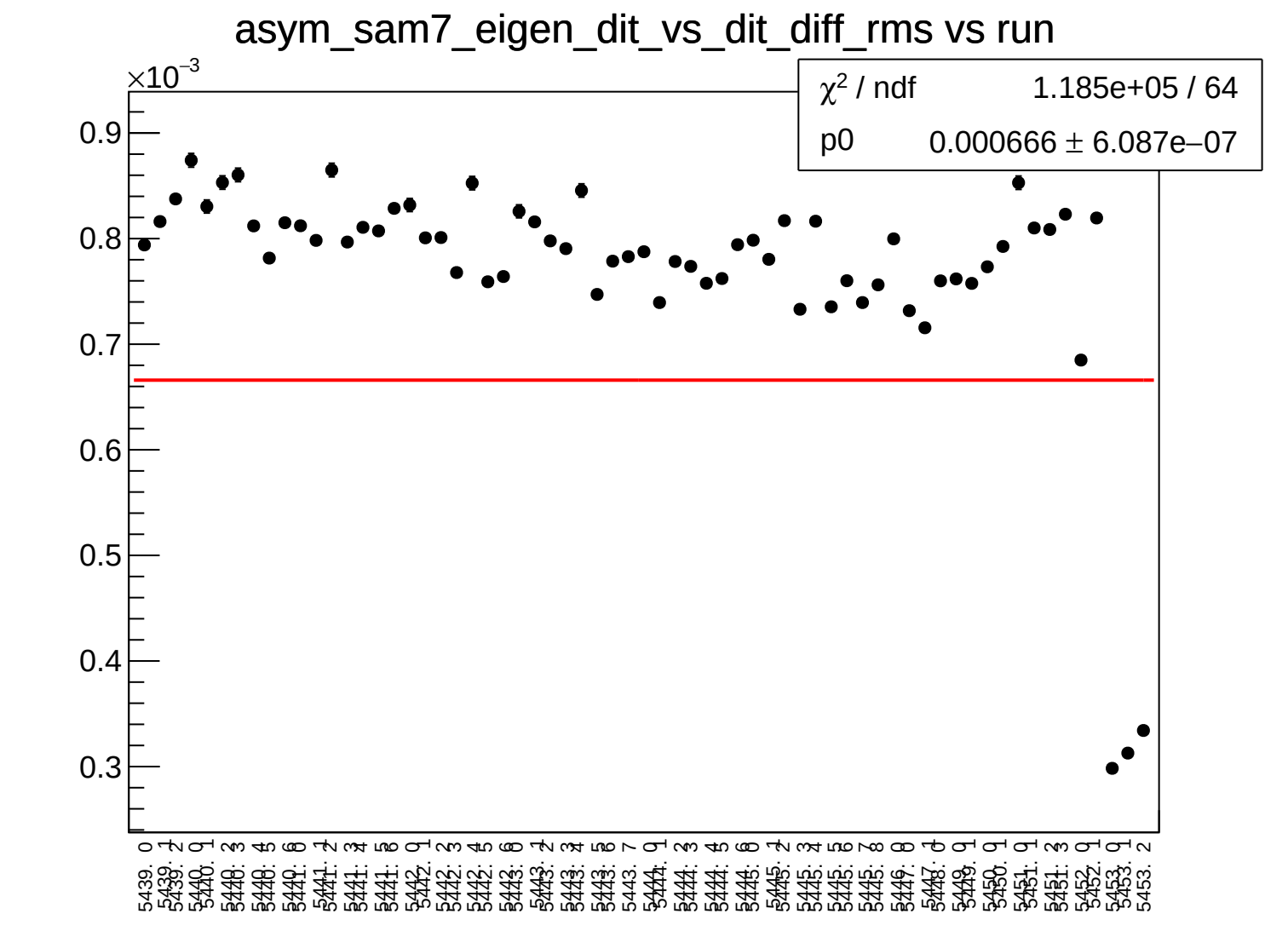

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 1.133e+05 / 64
p0 28.12 ± 0.02565
350
300
250
200
150
100
50

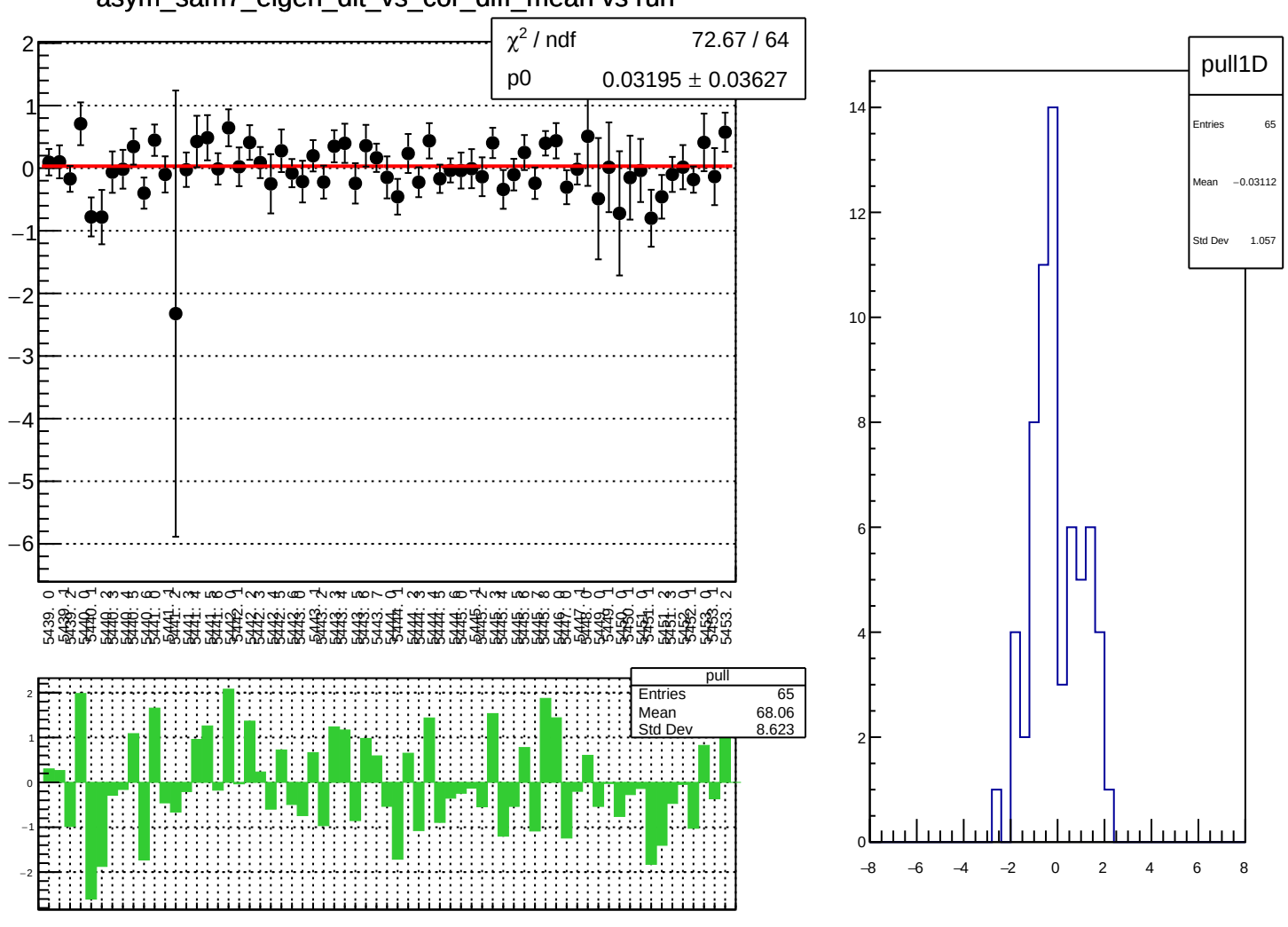

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.67 / 64
p0 0.03195 ± 0.03627
pull
Entries 65
Mean 68.06
Std Dev 8.629
pull1D
Entries 65
Mean −0.03112
Std Dev 1.057

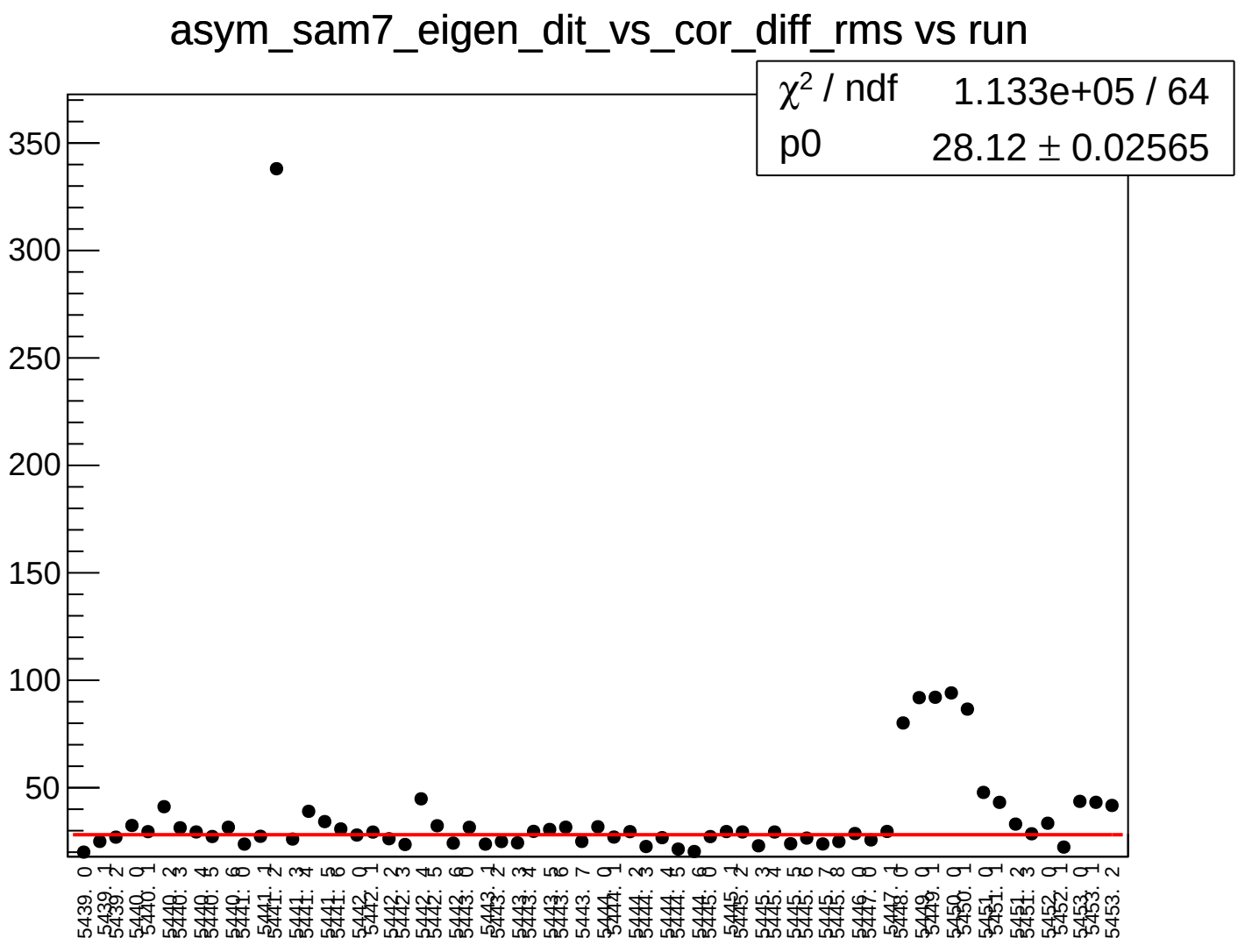

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.133e+05 / 64
p0 28.12 ± 0.02565
350
300
250
200
150
100
50

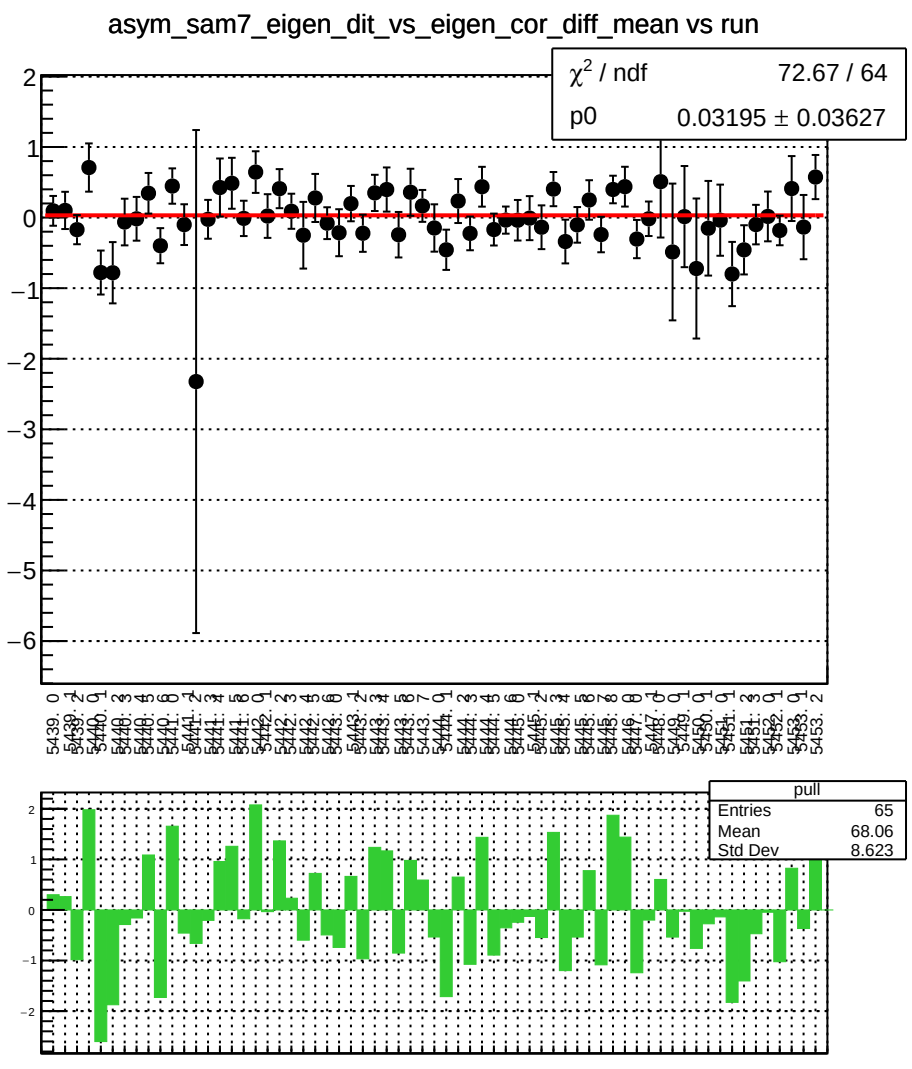

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.83 / 64
p0 1.595e−06 ± 8.608e−07
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 65
Mean −6.334
Std Dev 0
2
1
0
−1
−2

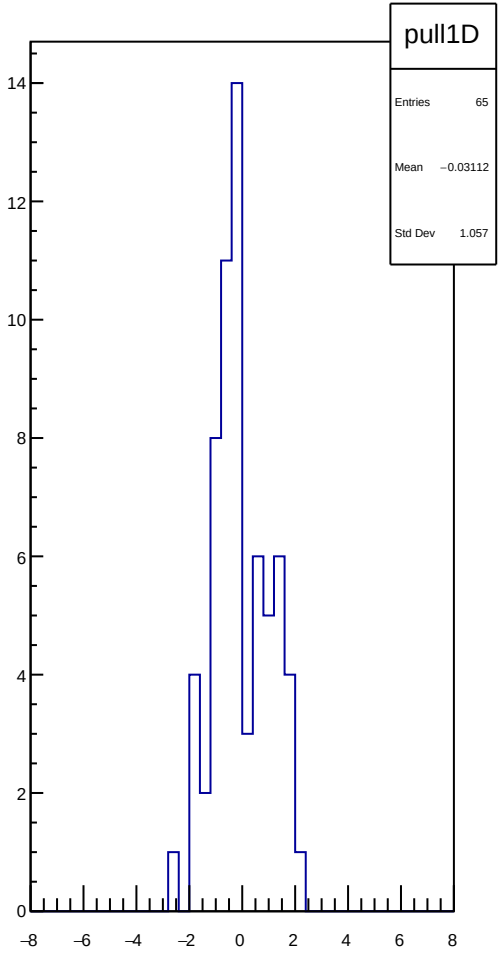

pull1D
Entries 65
Mean 0.06858
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

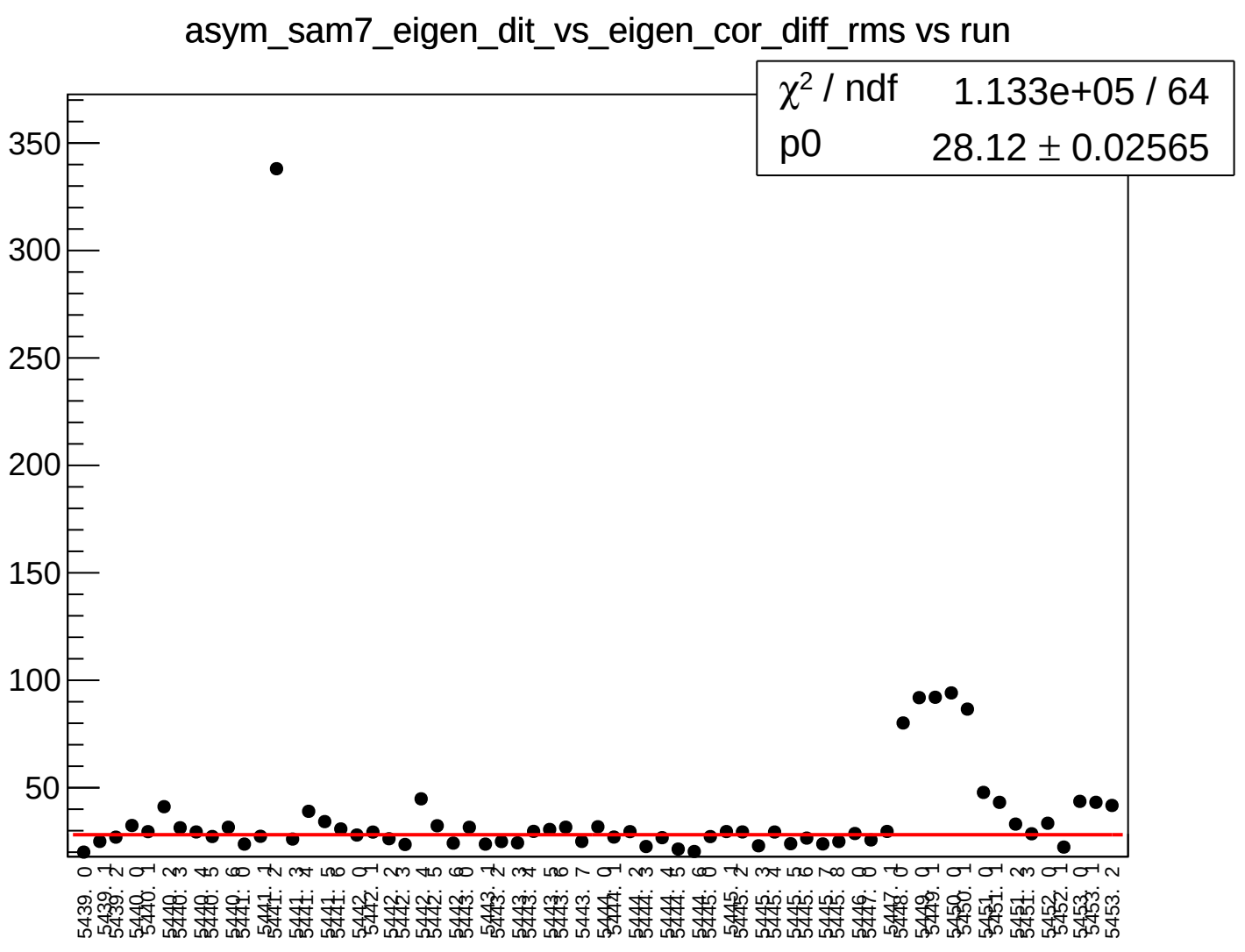

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.185e+05 / 64
p0 0.000666 ± 6.087e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3

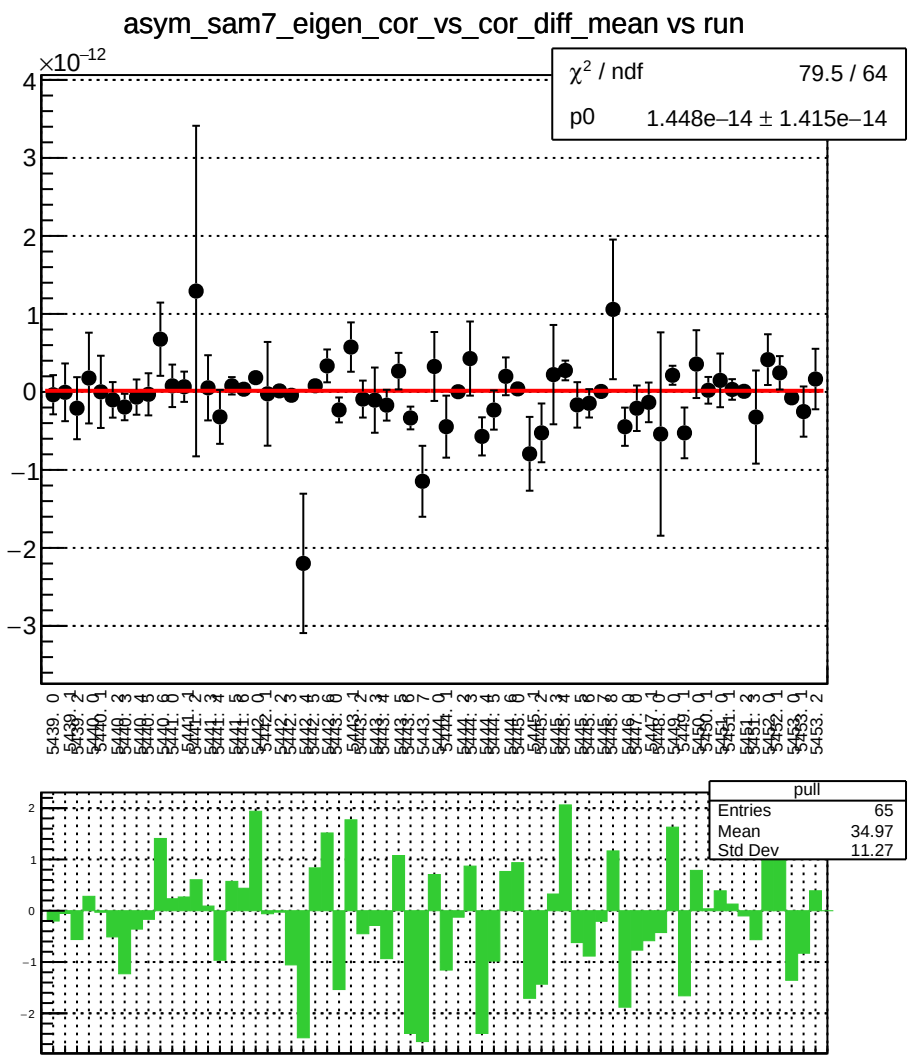

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.67 / 64
p0 0.03195 ± 0.03627
pull
Entries 65
Mean 68.06
Std Dev 8.623
pull1D
Entries 65
Mean −0.03112
Std Dev 1.057

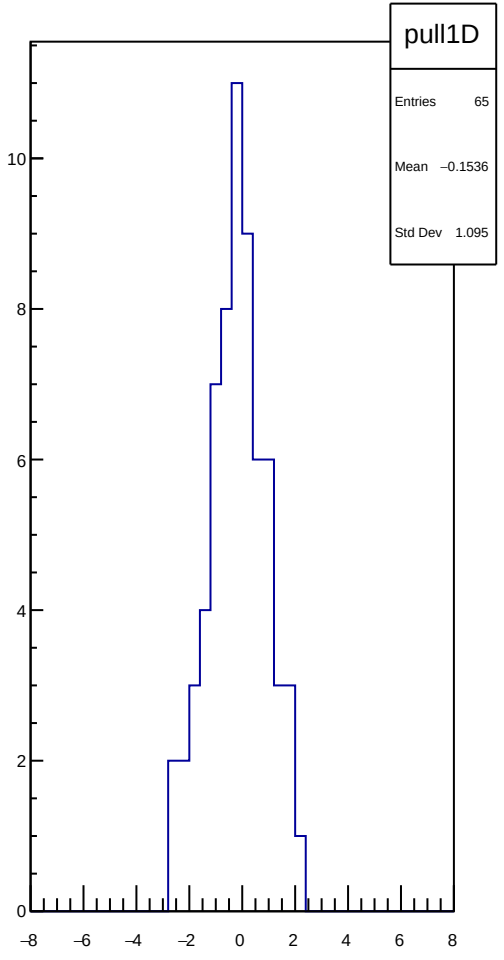

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.133e+05 / 64
p0 28.12 ± 0.02565
350
300
250
200
150
100
50

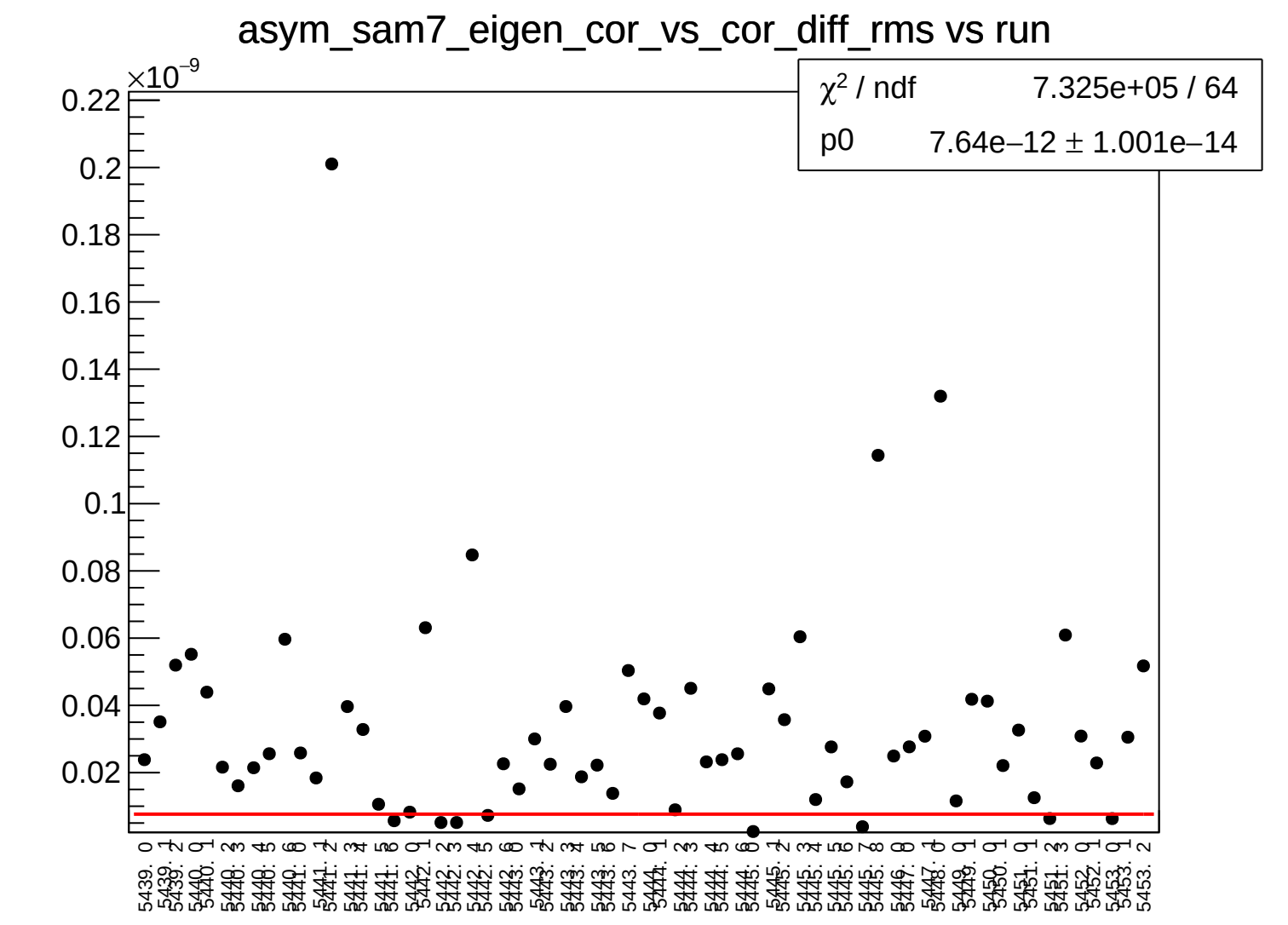

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.67 / 64
p0 0.03195 ± 0.03627
pull
Entries 65
Mean 68.06
Std Dev 8.623

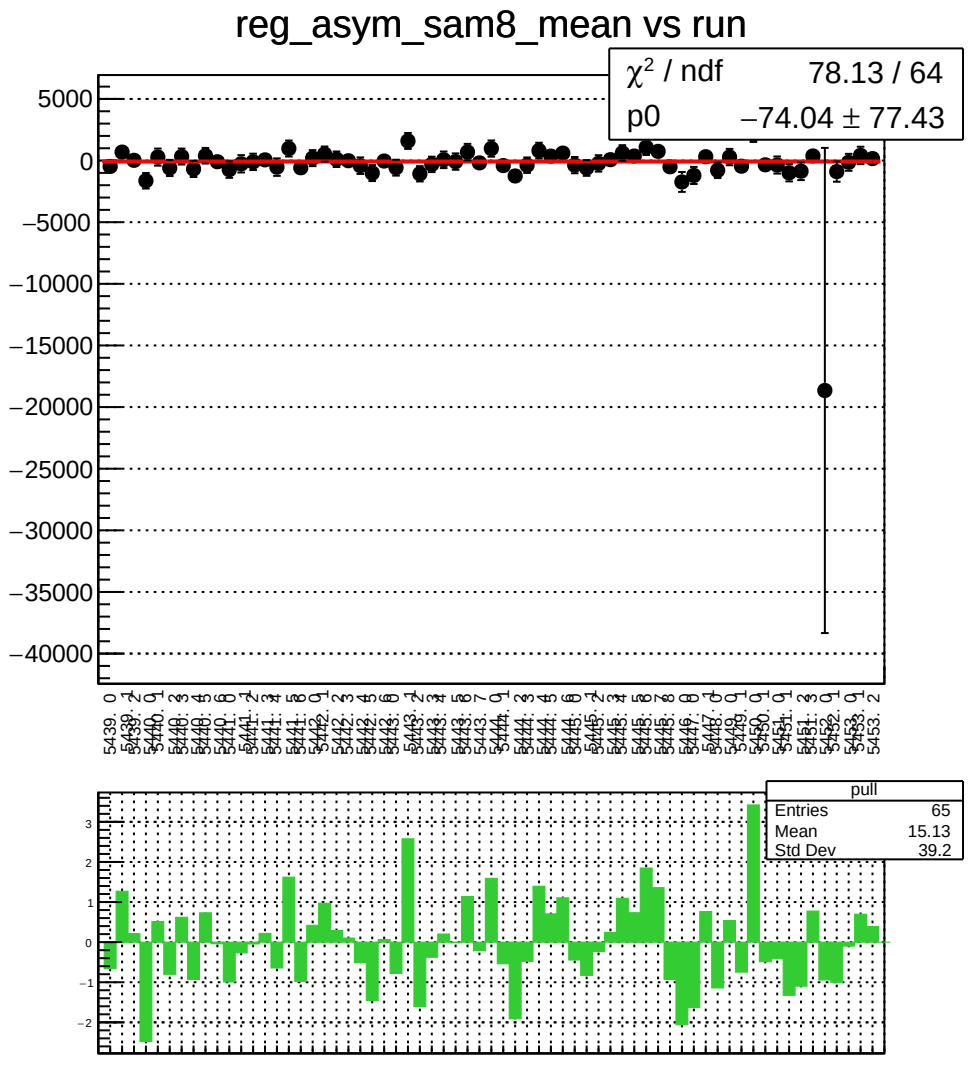

pull1D
Entries 65
Mean −0.03112
Std Dev 1.057

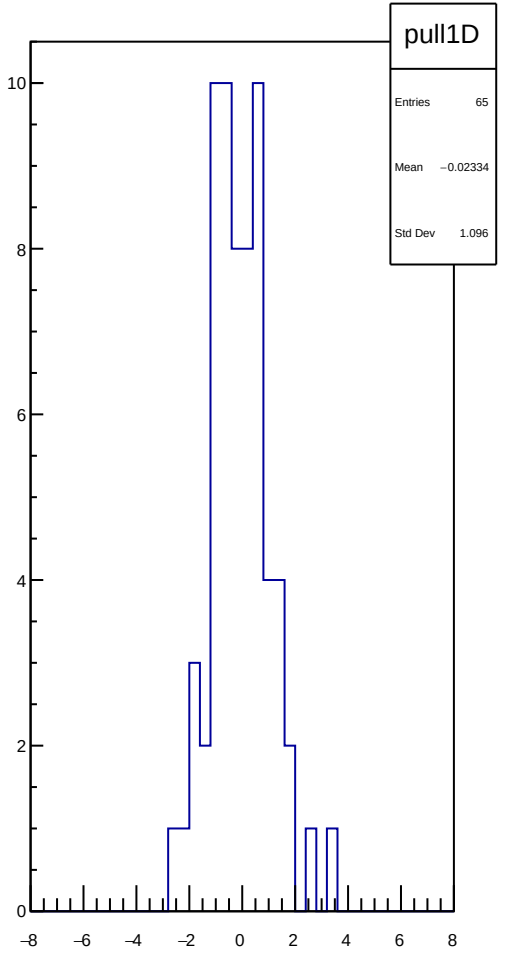

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.133e+05 / 64
p0 28.12 ± 0.02565
350
300
250
200
150
100
50

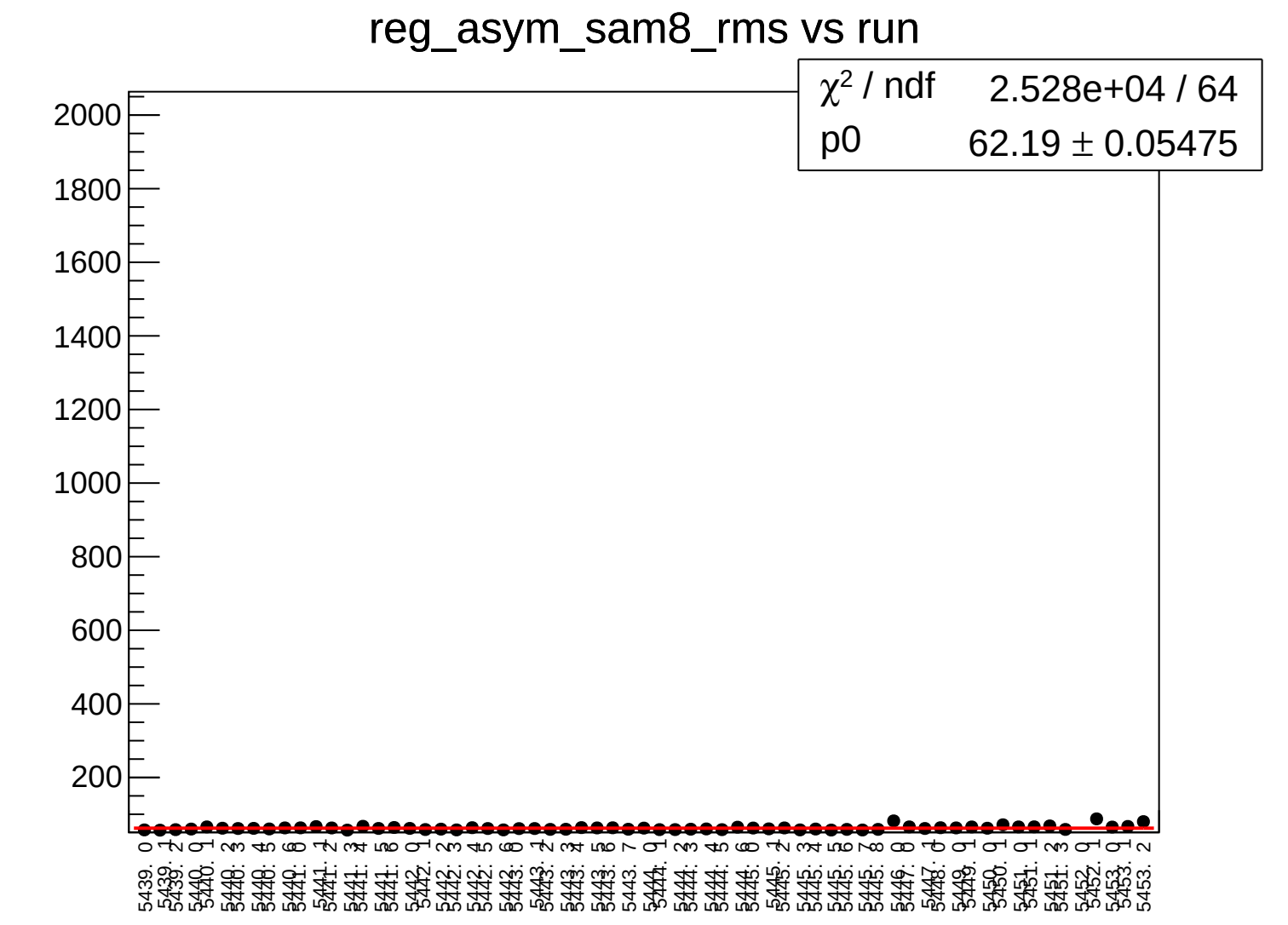

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.5 / 64
p0 1.448e−14 ± 1.415e−14
pull
Entries 65
Mean 34.97
Std Dev 11.27

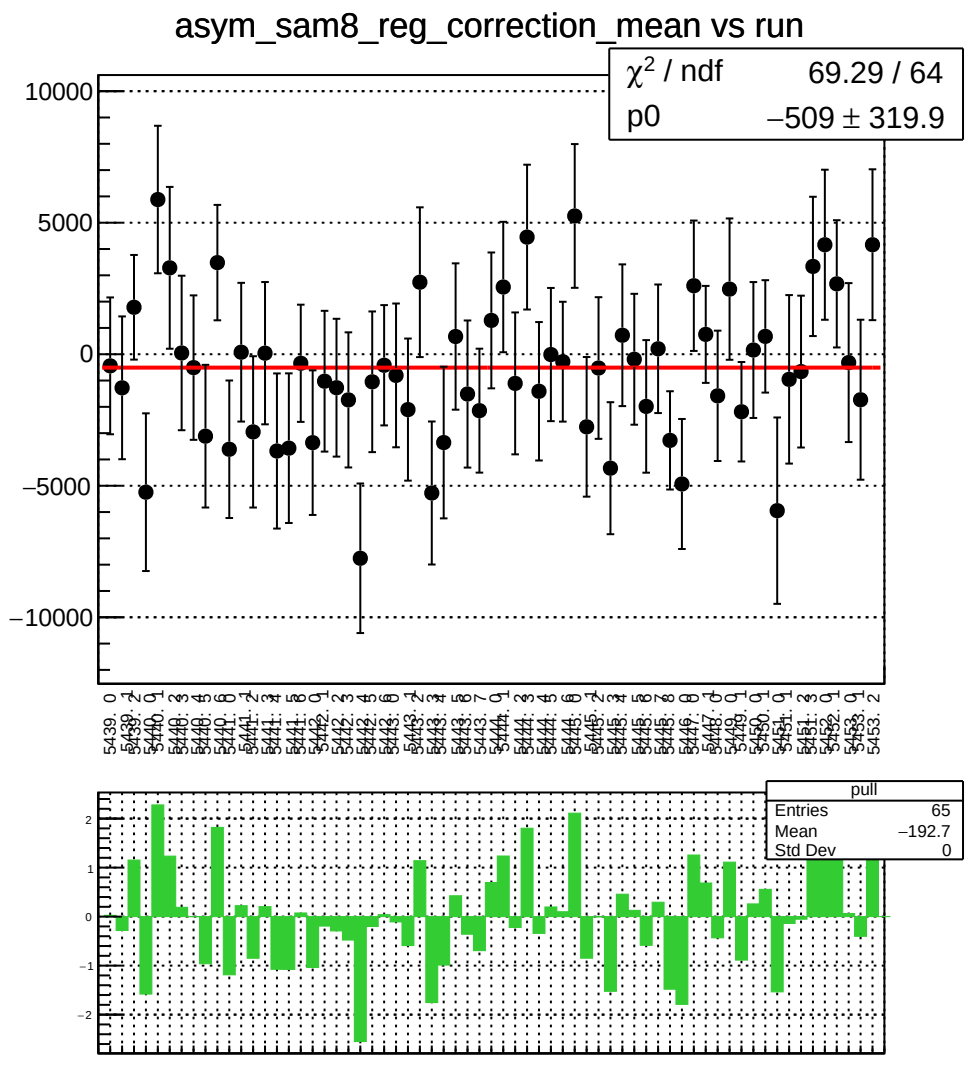

pull1D
Entries 65
Mean −0.1536
Std Dev 1.095

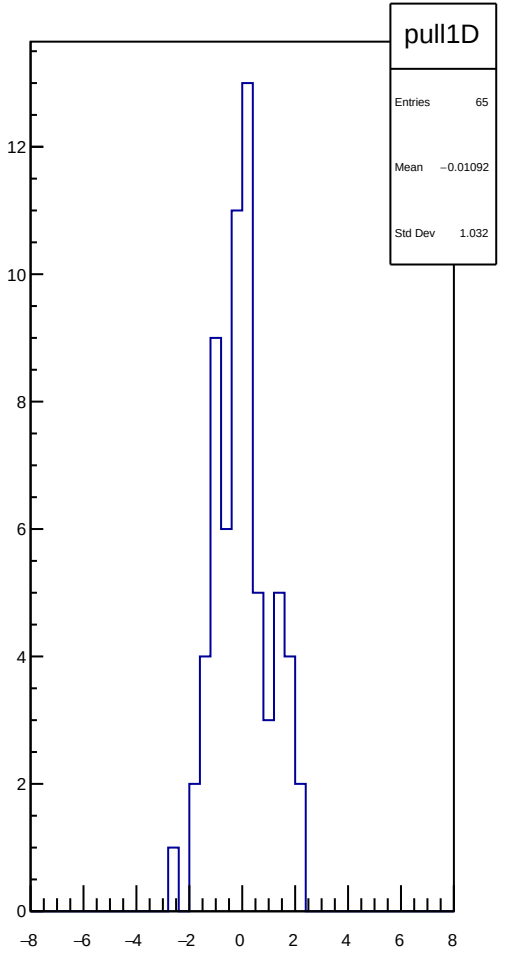

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.325e+05 / 64
p0 7.64e−12 ± 1.001e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

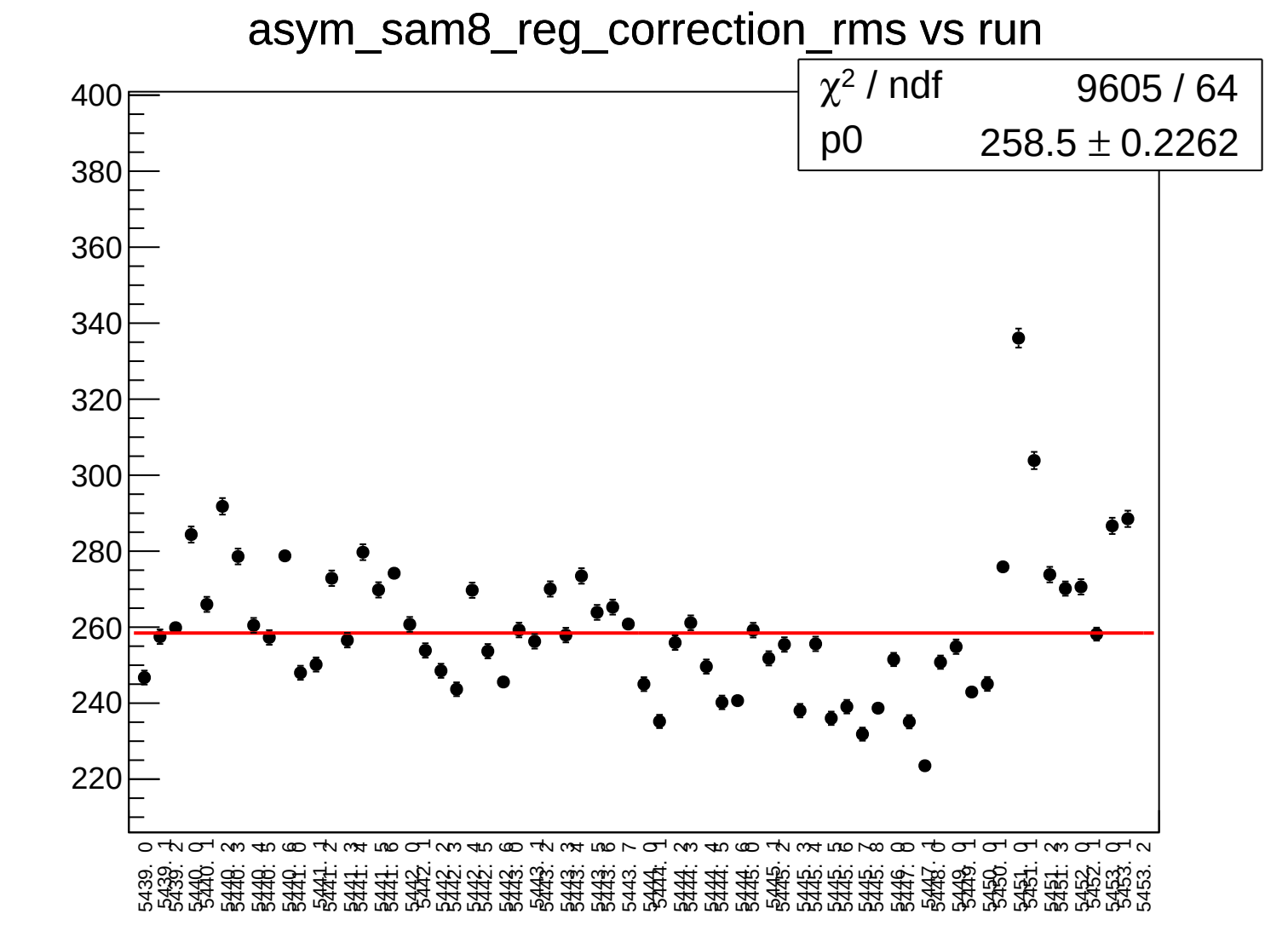

reg_asym_sam8_mean vs run
χ² / ndf 78.13 / 64
p0 −74.04 ± 77.43
pull
Entries 65
Mean 15.13
Std Dev 39.2

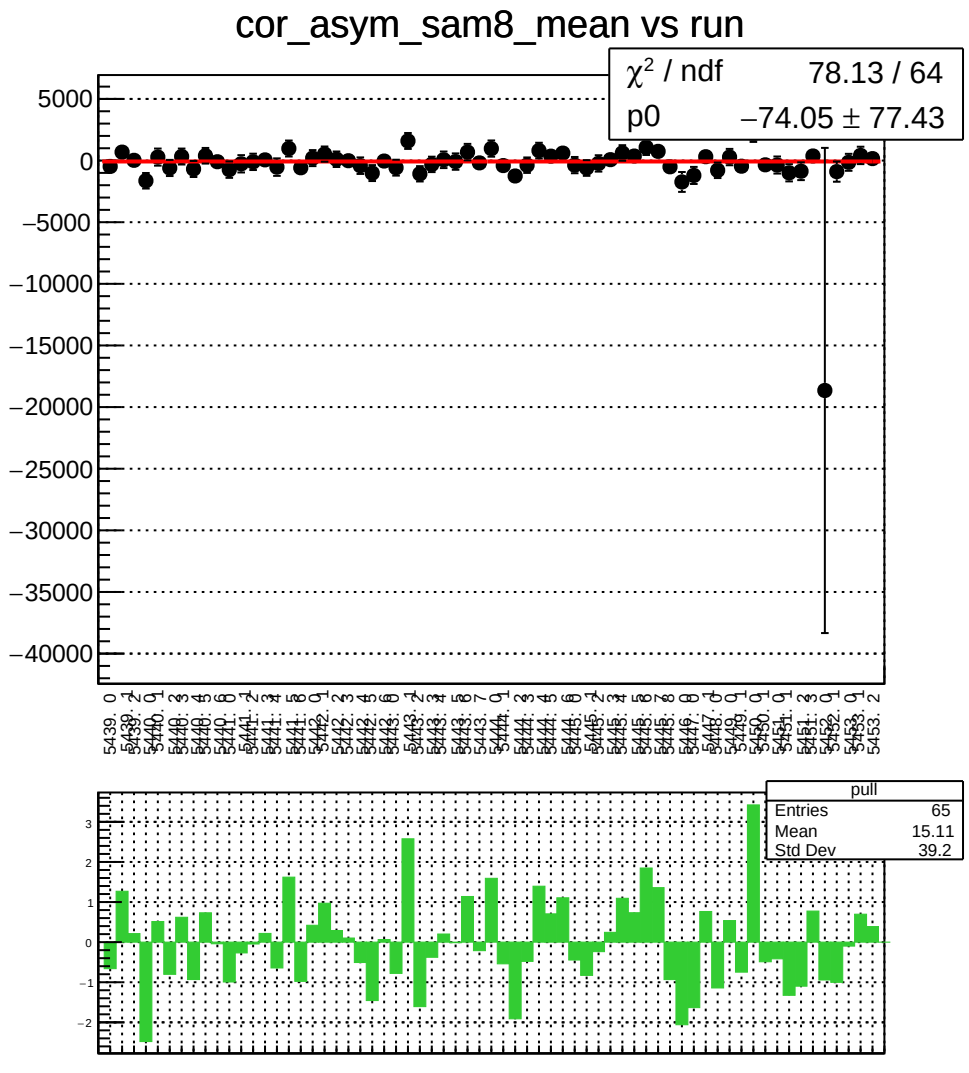

pull1D
Entries 65
Mean −0.02334
Std Dev 1.096

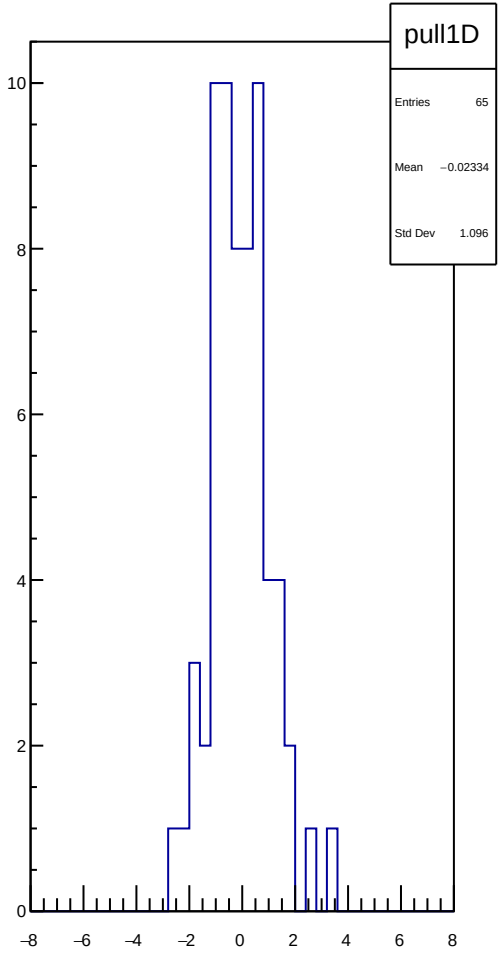

reg_asym_sam8_rms vs run
χ^2 / ndf 2.528e+04 / 64
p0 62.19 ± 0.05475
2000
1800
1600
1400
1200
1000
800
600
400
200

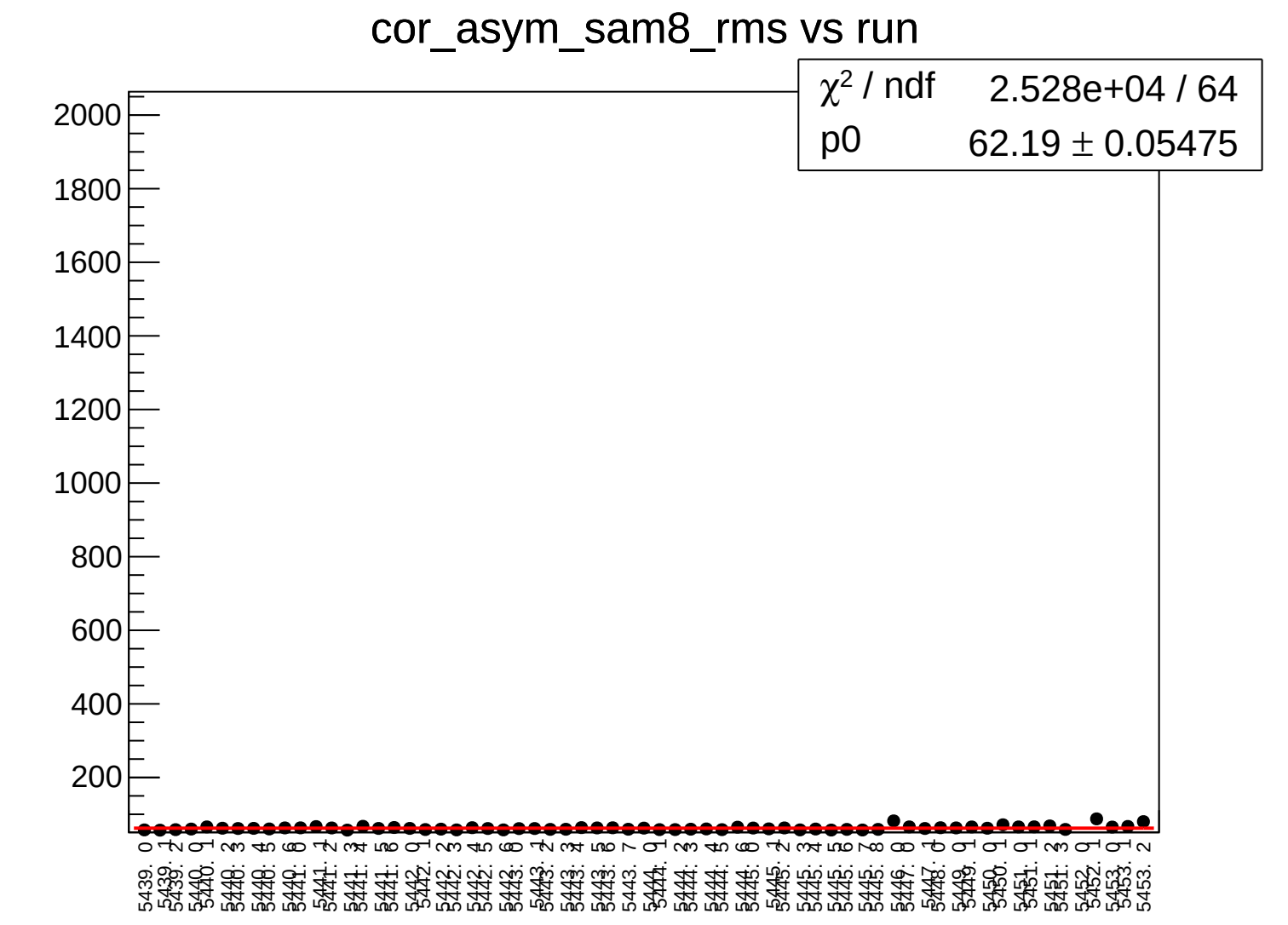

asym_sam8_reg_correction_mean vs run
χ² / ndf 69.29 / 64
p0 −509 ± 319.9
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −192.7
Std Dev 0
2
1
0
−1
−2

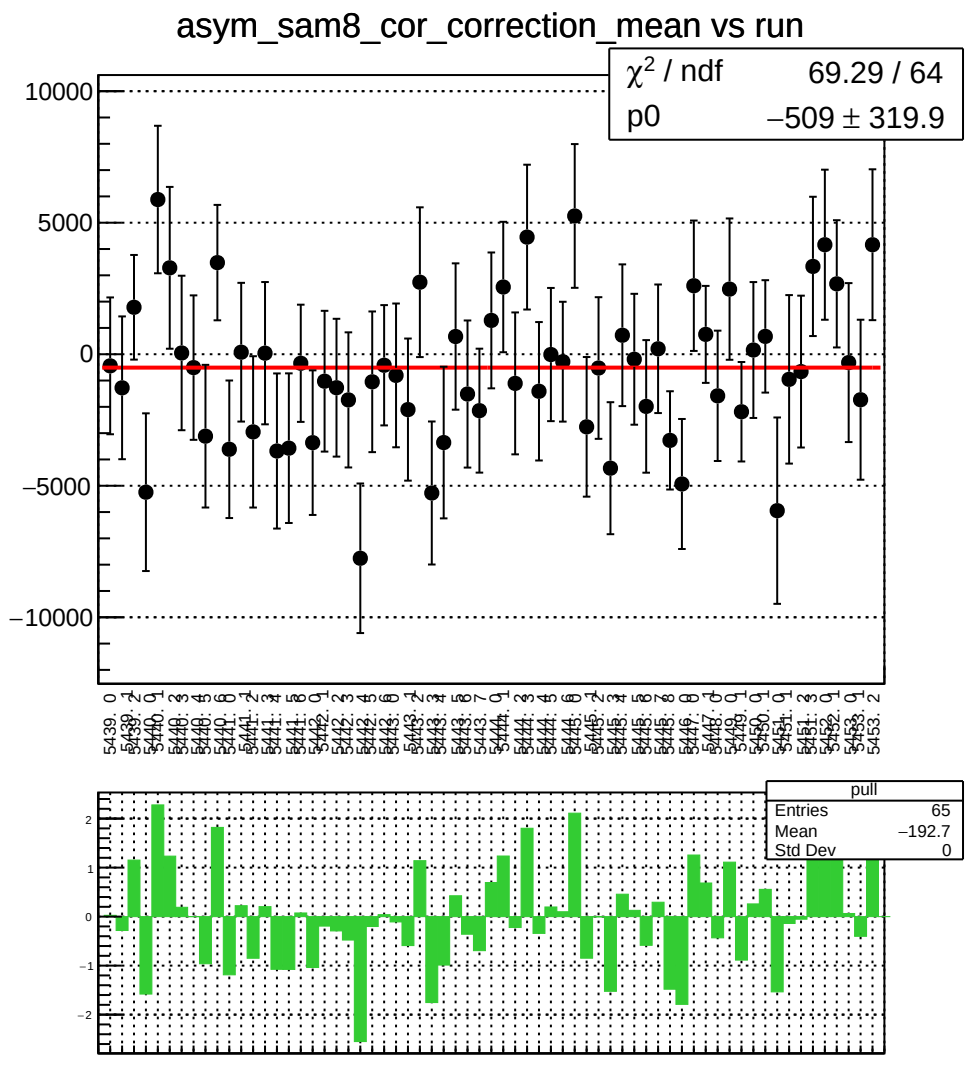

pull1D
Entries 65
Mean −0.01092
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

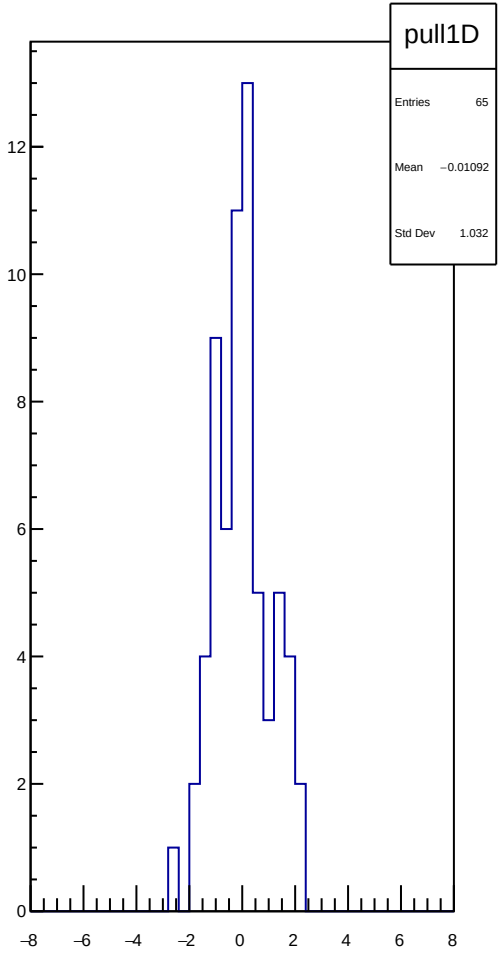

asym_sam8_reg_correction_rms vs run
χ² / ndf 9605 / 64
p0 258.5 ± 0.2262
400
380
360
340
320
300
280
260
240
220

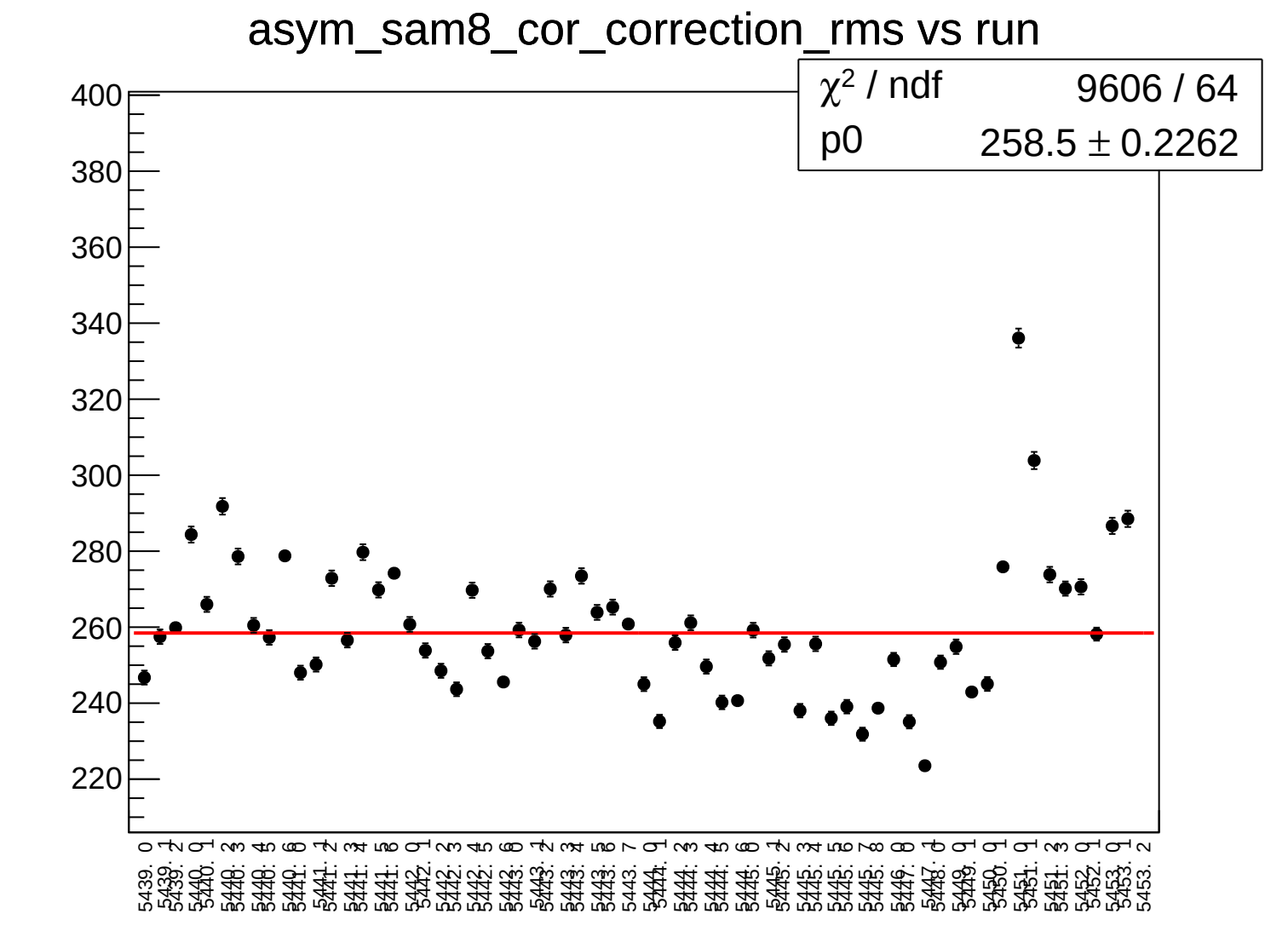

cor_asym_sam8_mean vs run
χ² / ndf 78.13 / 64
p0 −74.05 ± 77.43
pull
Entries 65
Mean 15.11
Std Dev 39.2

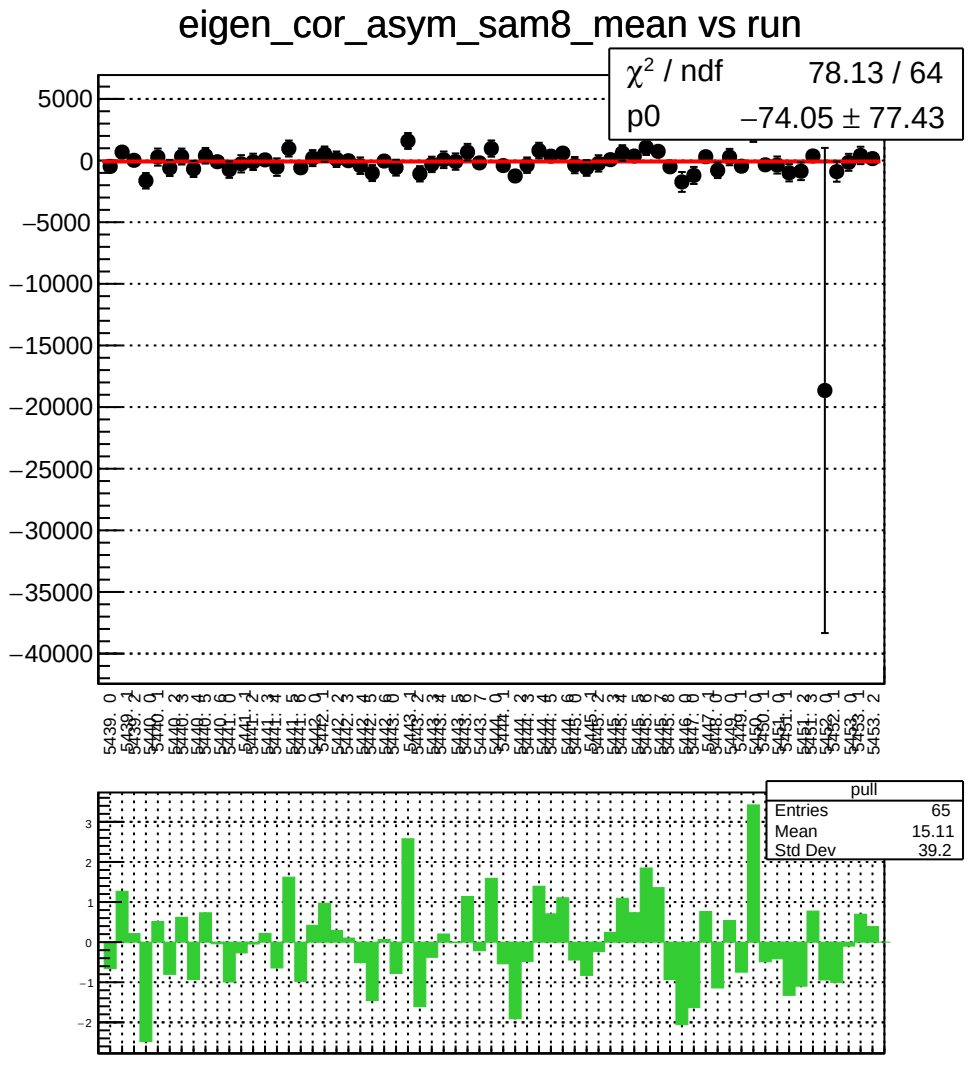

pull1D
Entries 65
Mean −0.02334
Std Dev 1.096

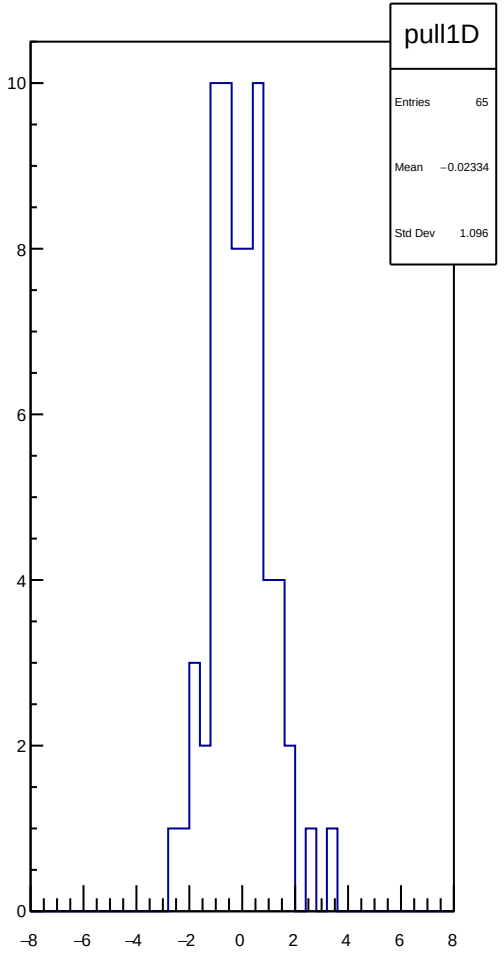

cor_asym_sam8_rms vs run
χ² / ndf 2.528e+04 / 64
p0 62.19 ± 0.05475
2000
1800
1600
1400
1200
1000
800
600
400
200

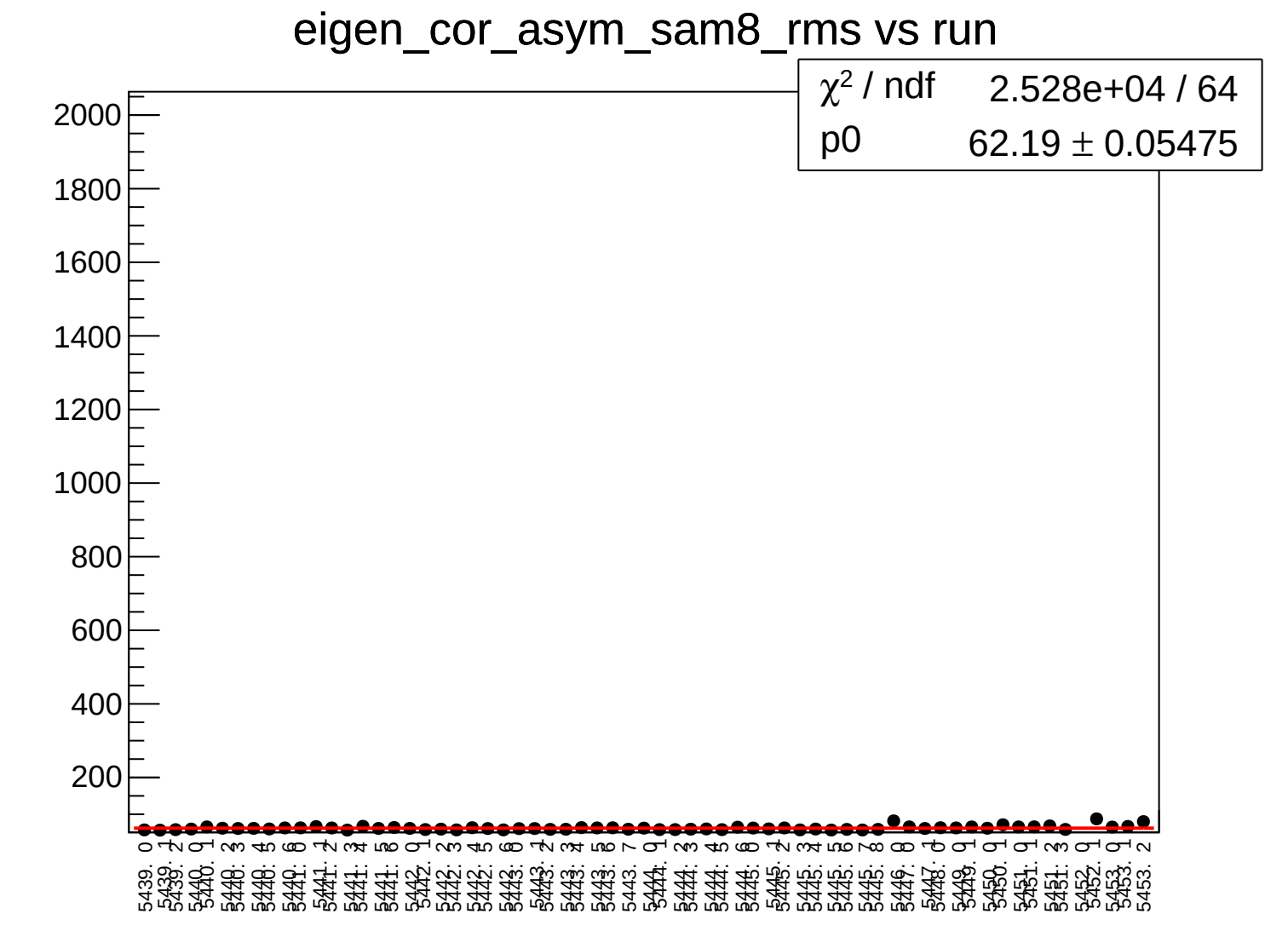

asym_sam8_cor_correction_mean vs run
χ² / ndf 69.29 / 64
p0 −509 ± 319.9
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −192.7
Std Dev 0
2
1
0
−1
−2

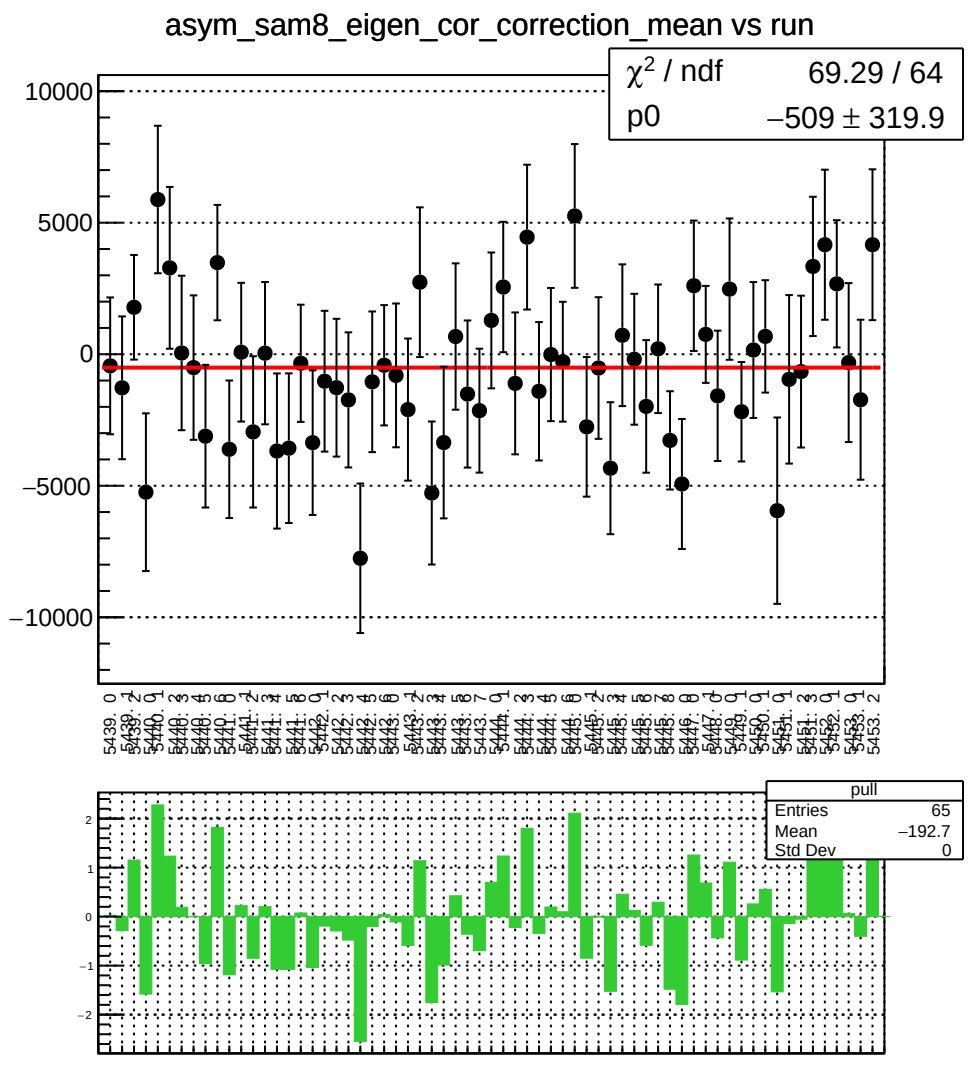

pull1D
Entries 65
Mean −0.01092
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

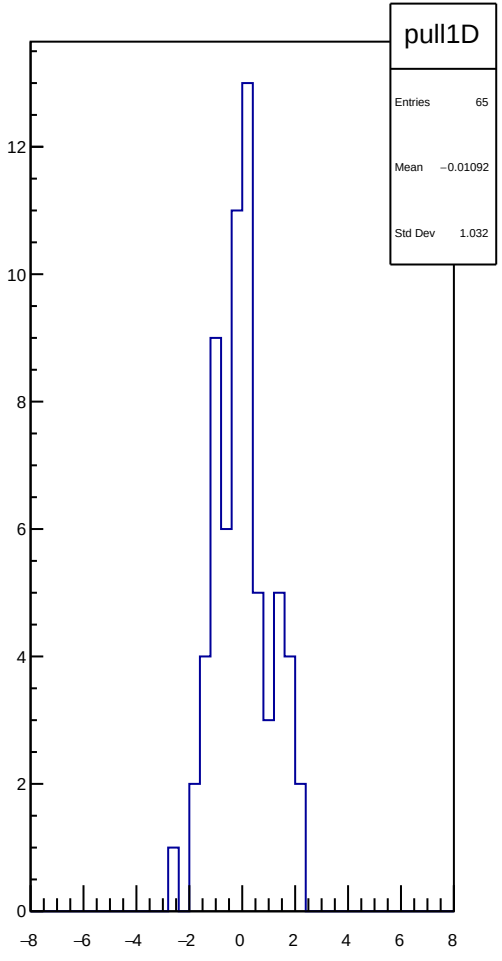

asym_sam8_cor_correction_rms vs run
χ² / ndf 9606 / 64
p0 258.5 ± 0.2262
400
380
360
340
320
300
280
260
240
220

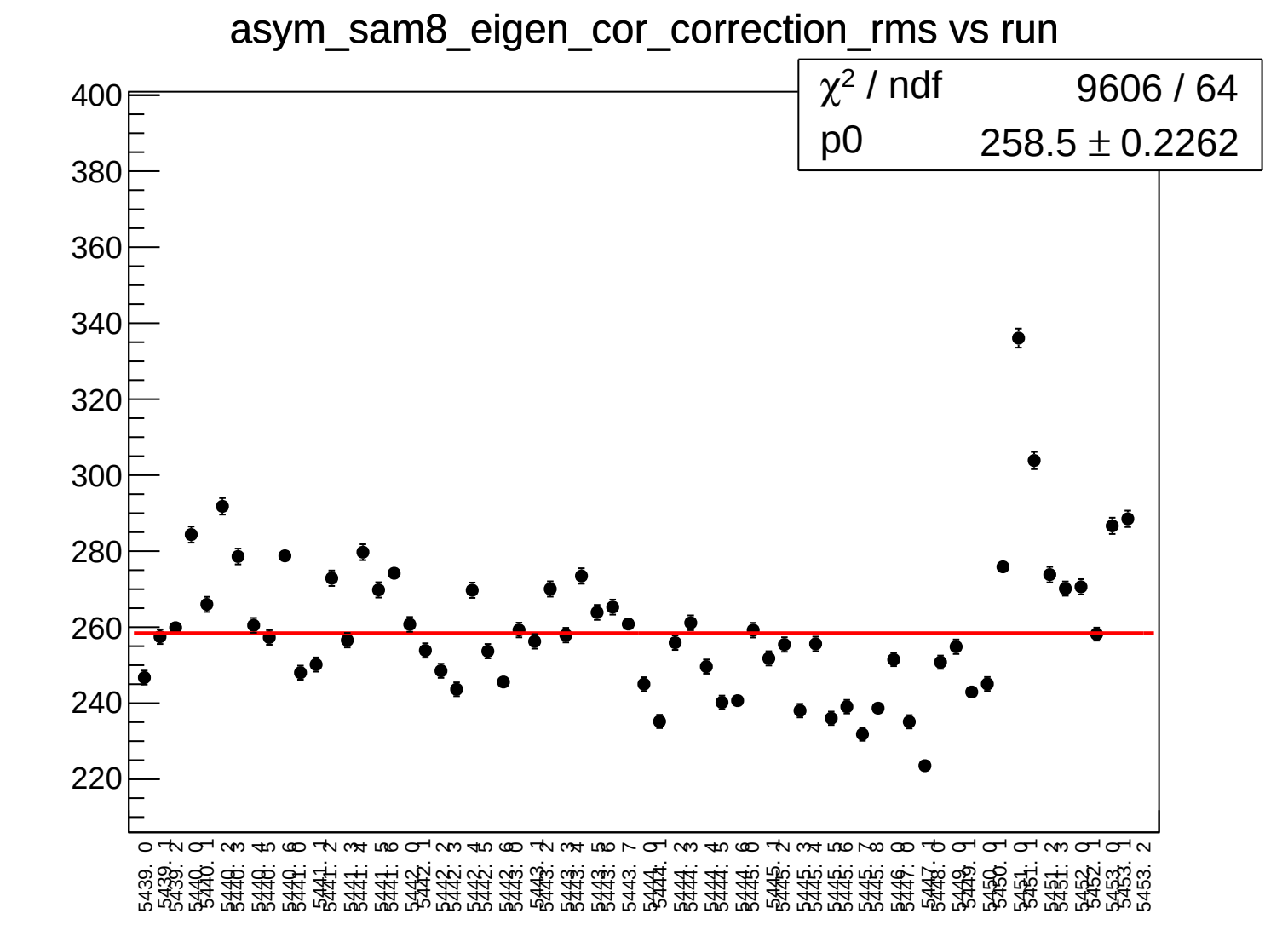

eigen_cor_asym_sam8_mean vs run
χ² / ndf 78.13 / 64
p0 −74.05 ± 77.43
pull
Entries 65
Mean 15.11
Std Dev 39.2

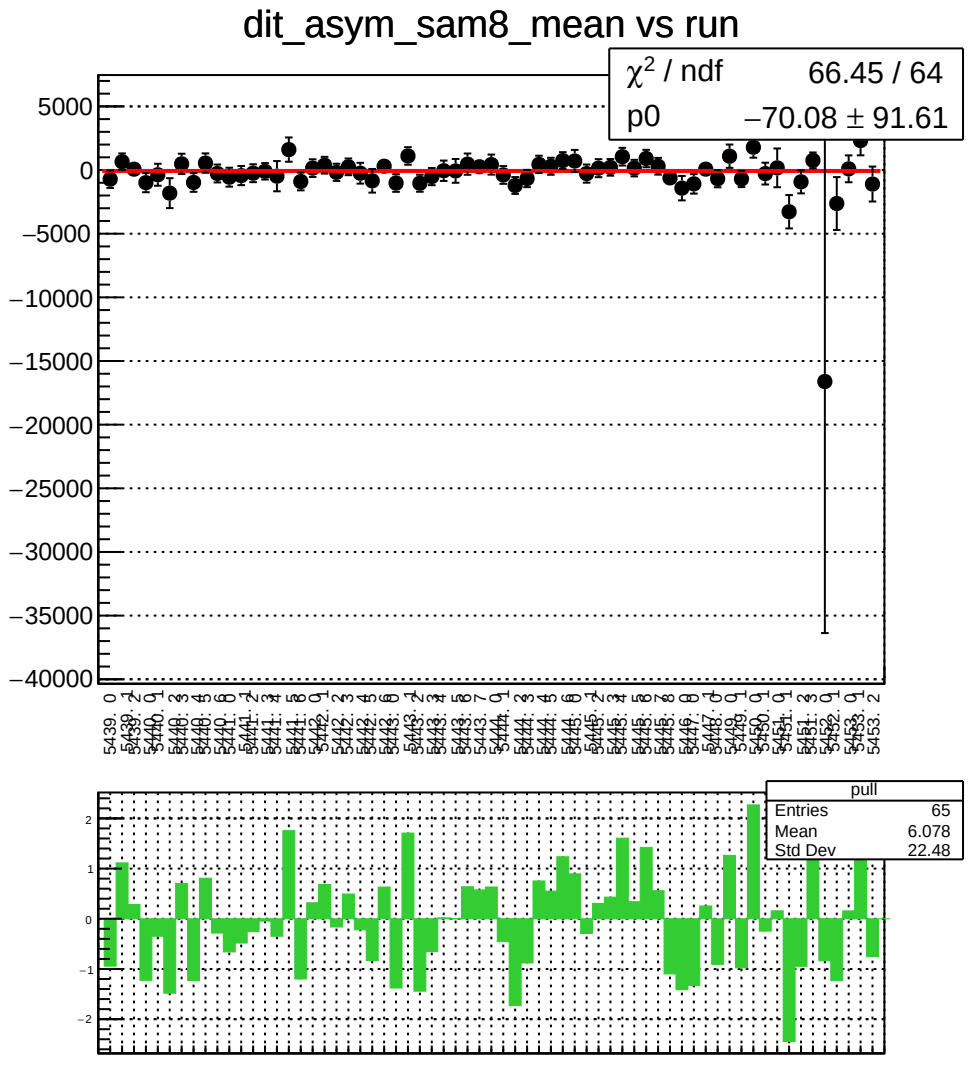

pull1D
Entries 65
Mean −0.02334
Std Dev 1.096

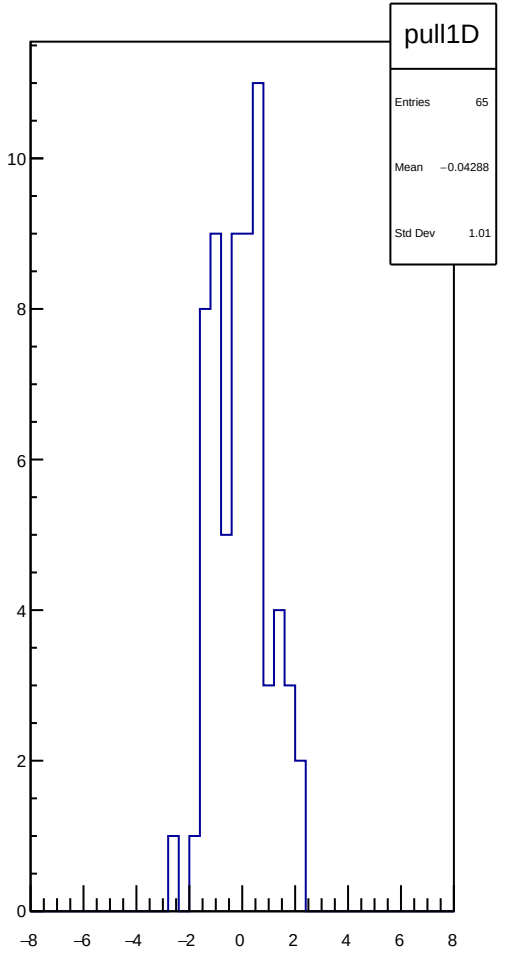

eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 2.528e+04 / 64
p0 62.19 ± 0.05475
2000
1800
1600
1400
1200
1000
800
600
400
200

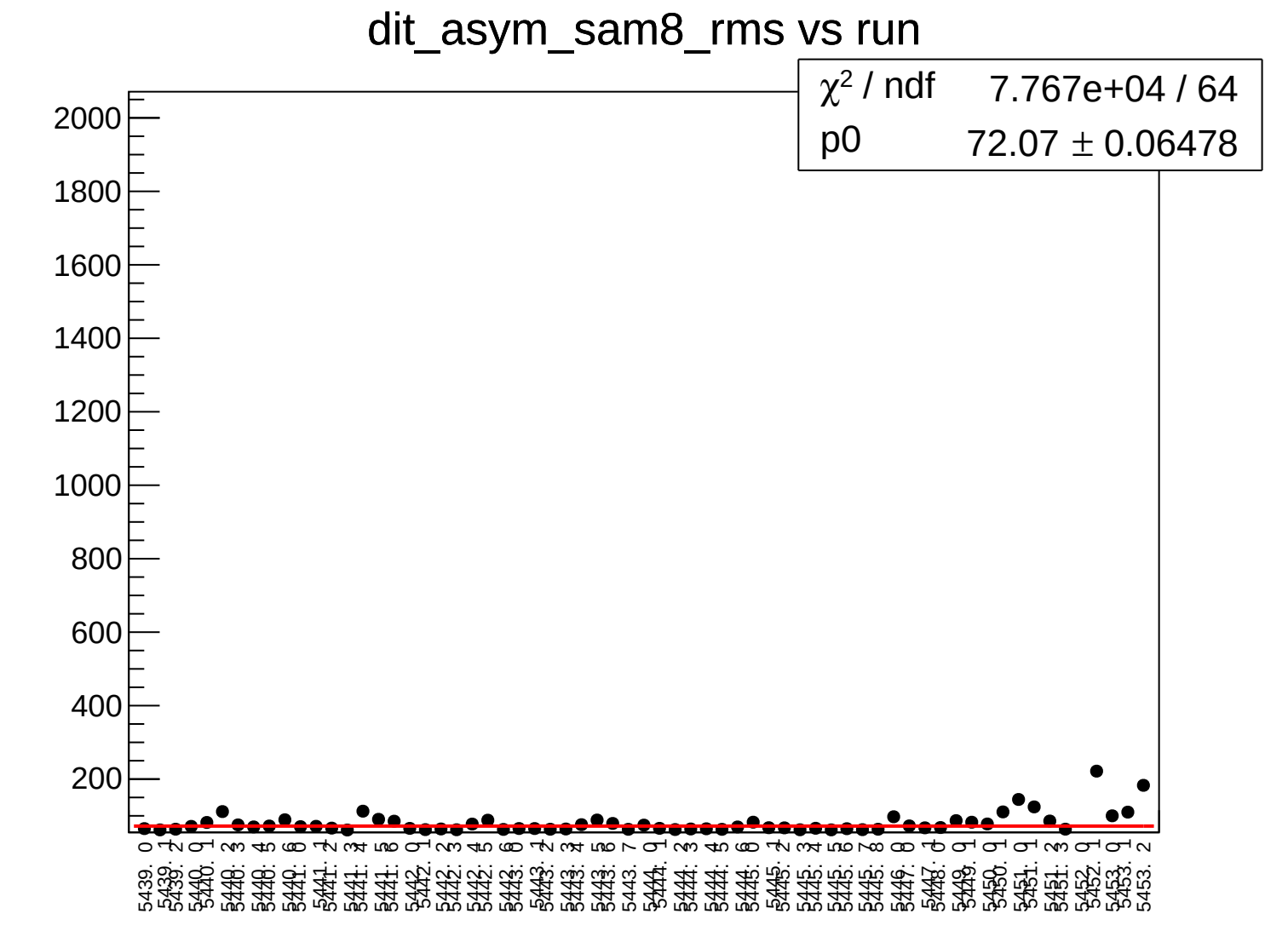

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 69.29 / 64
p0 −509 ± 319.9
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −192.7
Std Dev 0
2
1
0
−1
−2

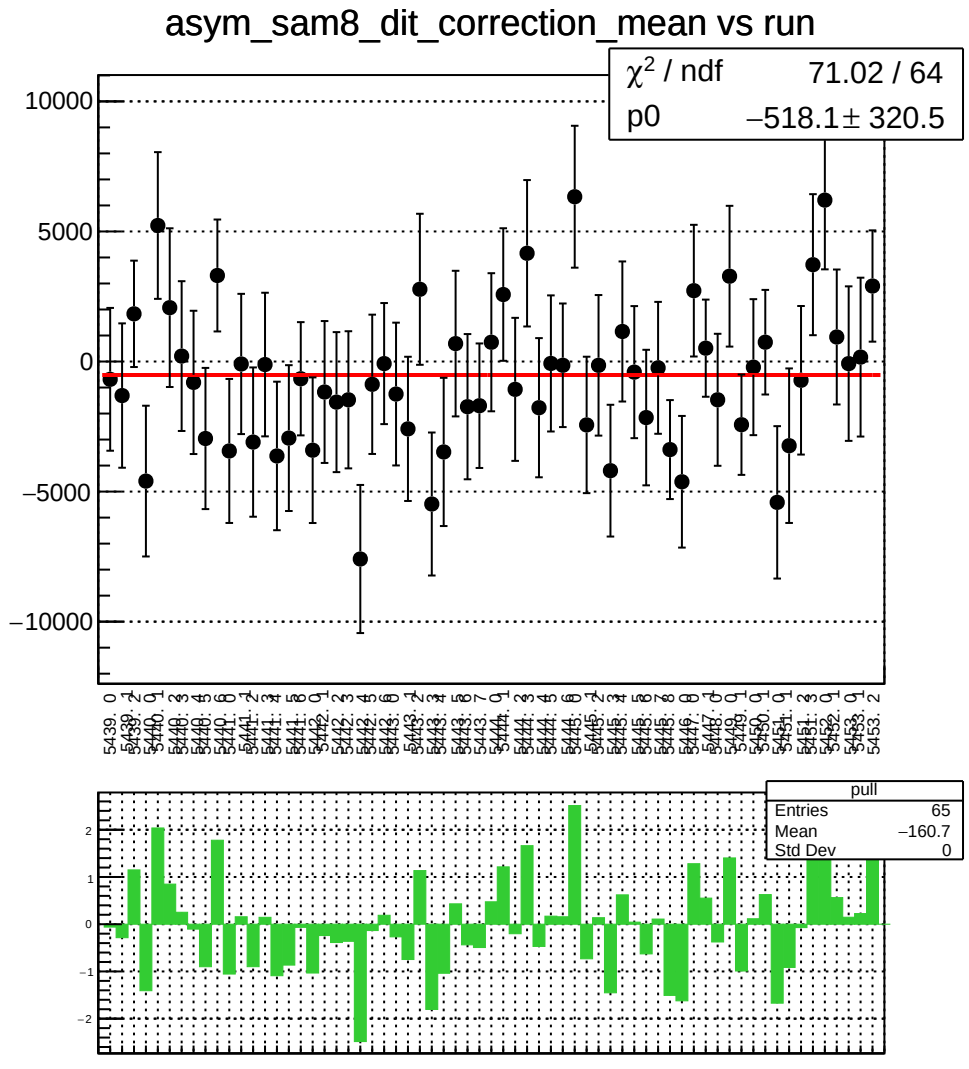

pull1D
Entries 65
Mean −0.01092
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

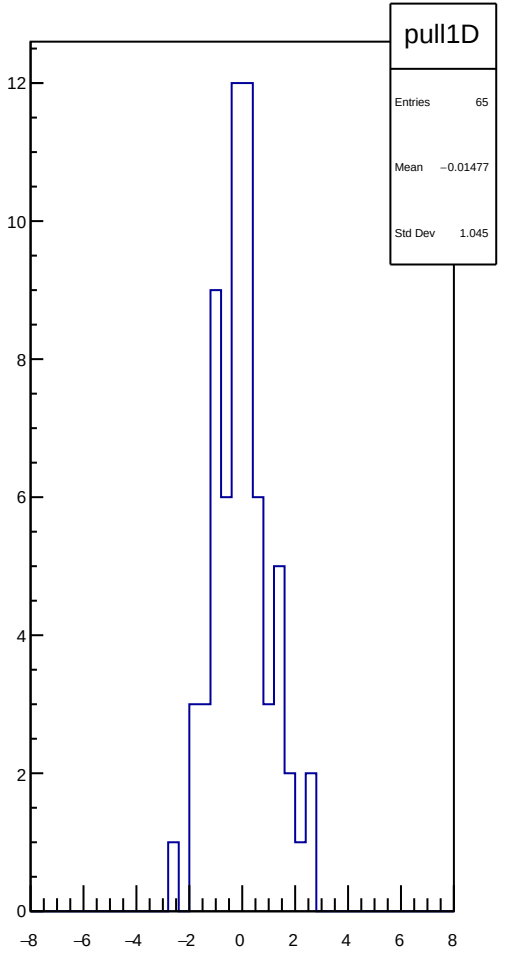

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 9606 / 64
p0 258.5 ± 0.2262
400
380
360
340
320
300
280
260
240
220

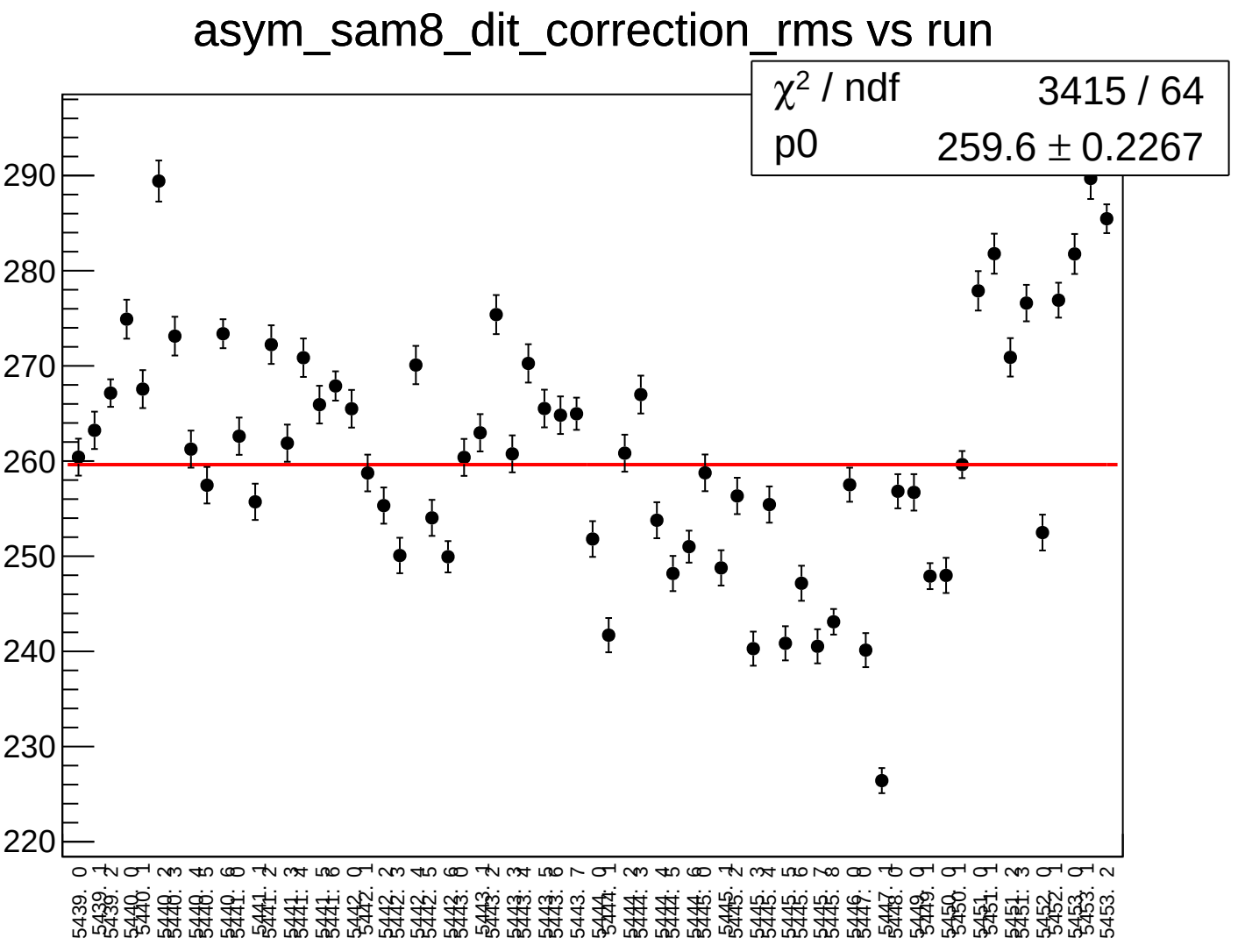

dit_asym_sam8_mean vs run
χ² / ndf 66.45 / 64
p0 −70.08 ± 91.61
pull
Entries 65
Mean 6.078
Std Dev 22.48

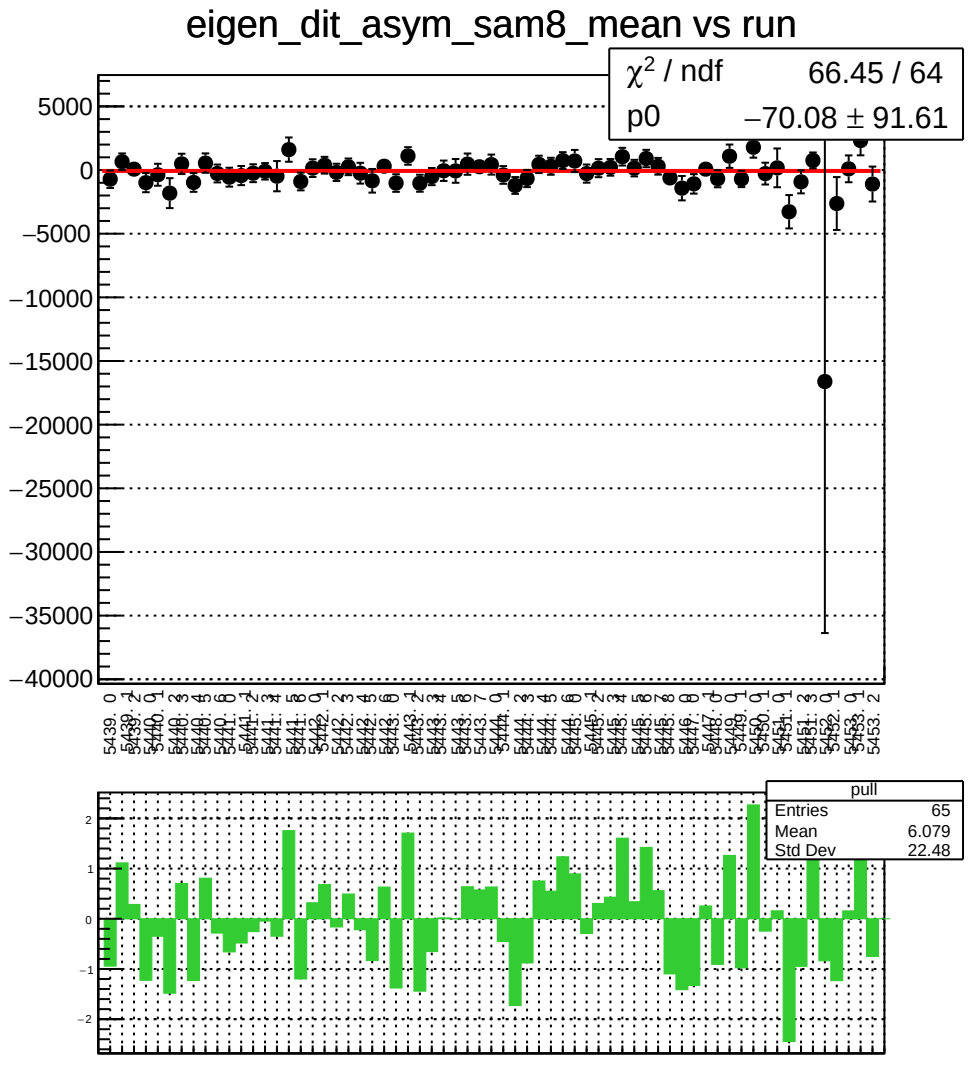

pull1D
Entries 65
Mean −0.04288
Std Dev 1.01

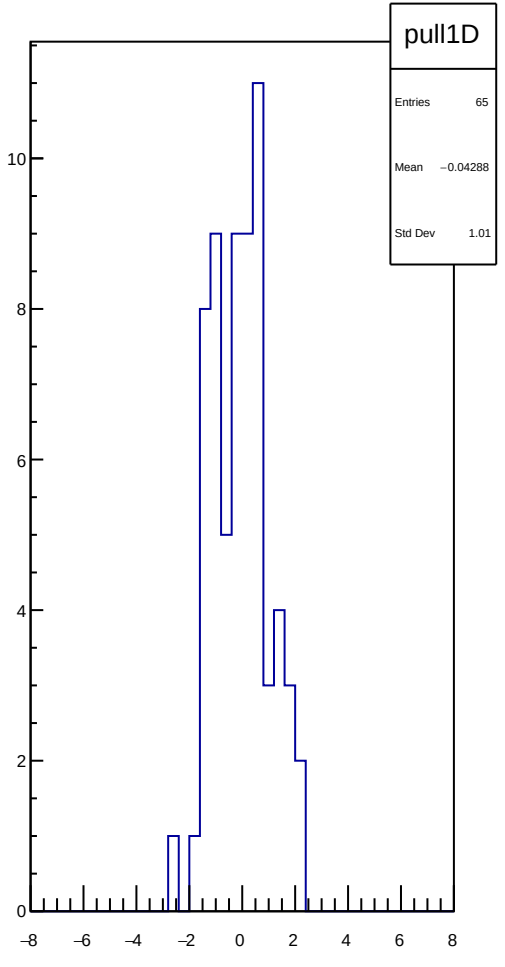

dit_asym_sam8_rms vs run
χ^2 / ndf 7.767e+04 / 64
p0 72.07 ± 0.06478
2000
1800
1600
1400
1200
1000
800
600
400
200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

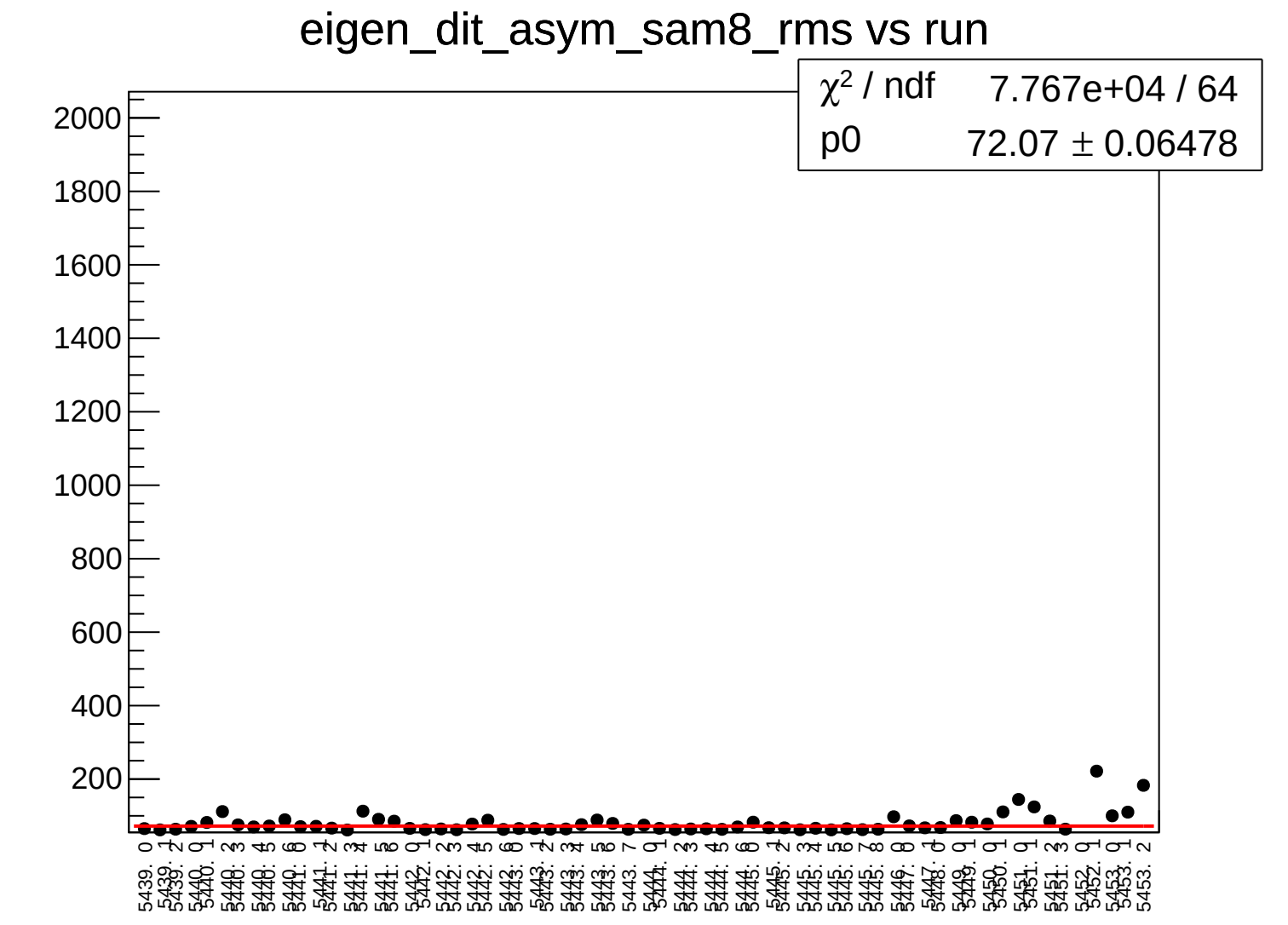

asym_sam8_dit_correction_mean vs run
χ² / ndf 71.02 / 64
p0 −518.1± 320.5
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −160.7
Std Dev 0
2
1
0
−1
−2

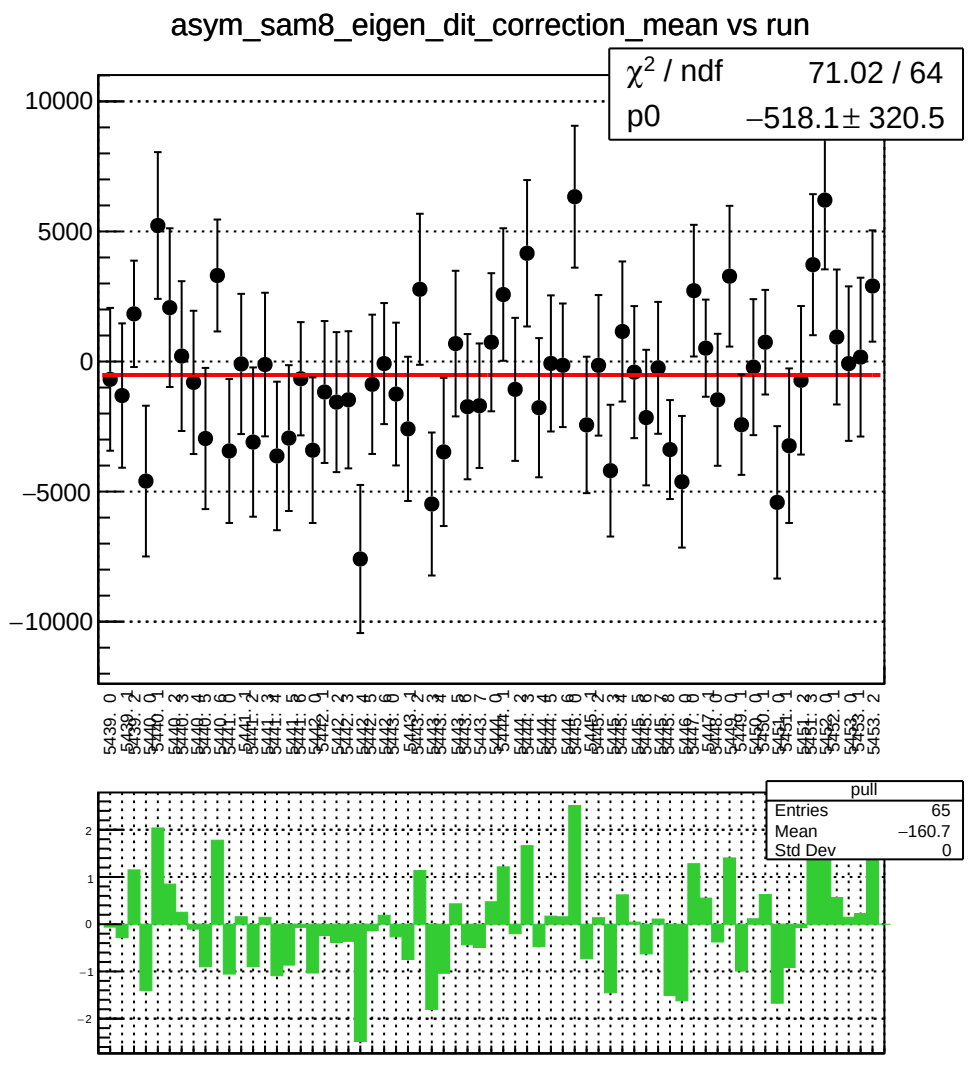

pull1D
Entries 65
Mean −0.01477
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

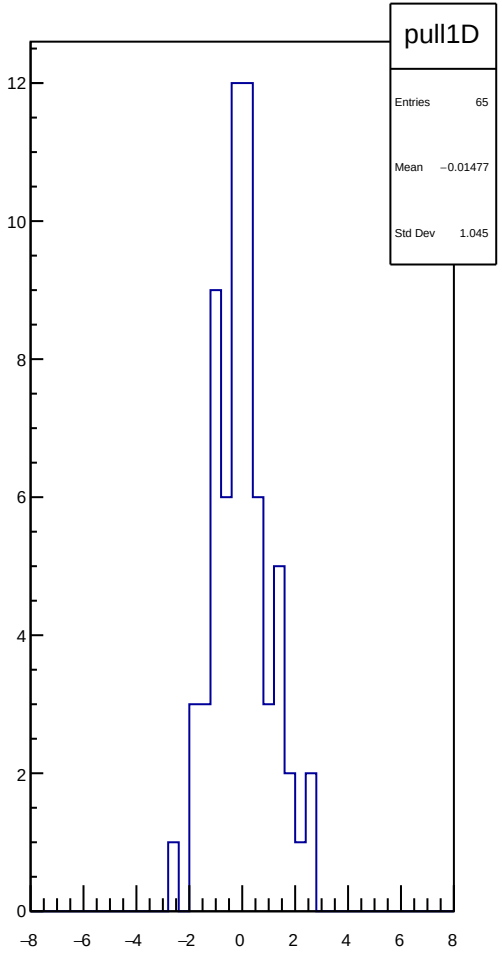

asym_sam8_dit_correction_rms vs run
χ² / ndf 3415 / 64
p0 259.6 ± 0.2267
290
280
270
260
250
240
230
220
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

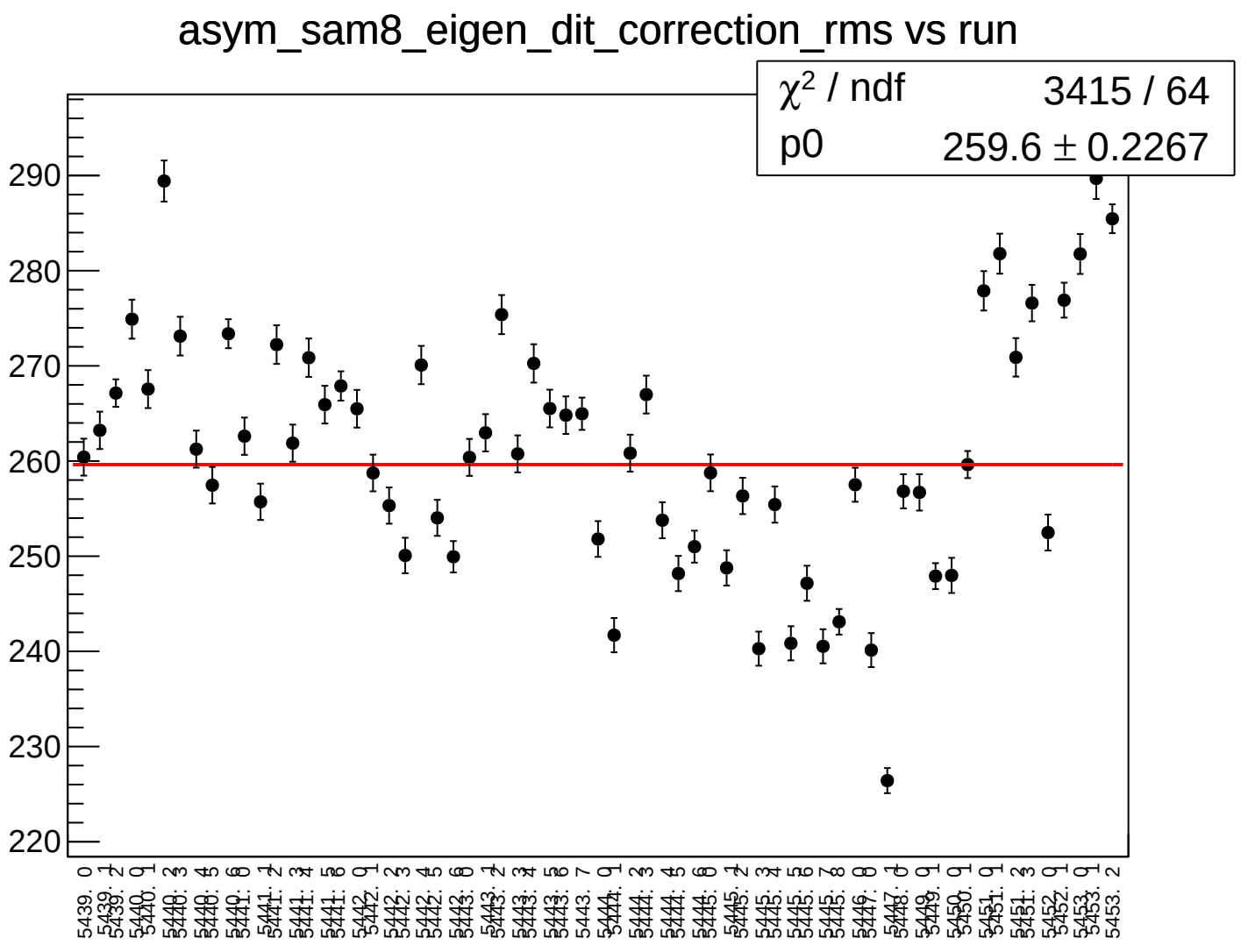

eigen_dit_asym_sam8_mean vs run
χ^2 / ndf 66.45 / 64
p0 −70.08 ± 91.61
pull
Entries 65
Mean 6.079
Std Dev 22.48

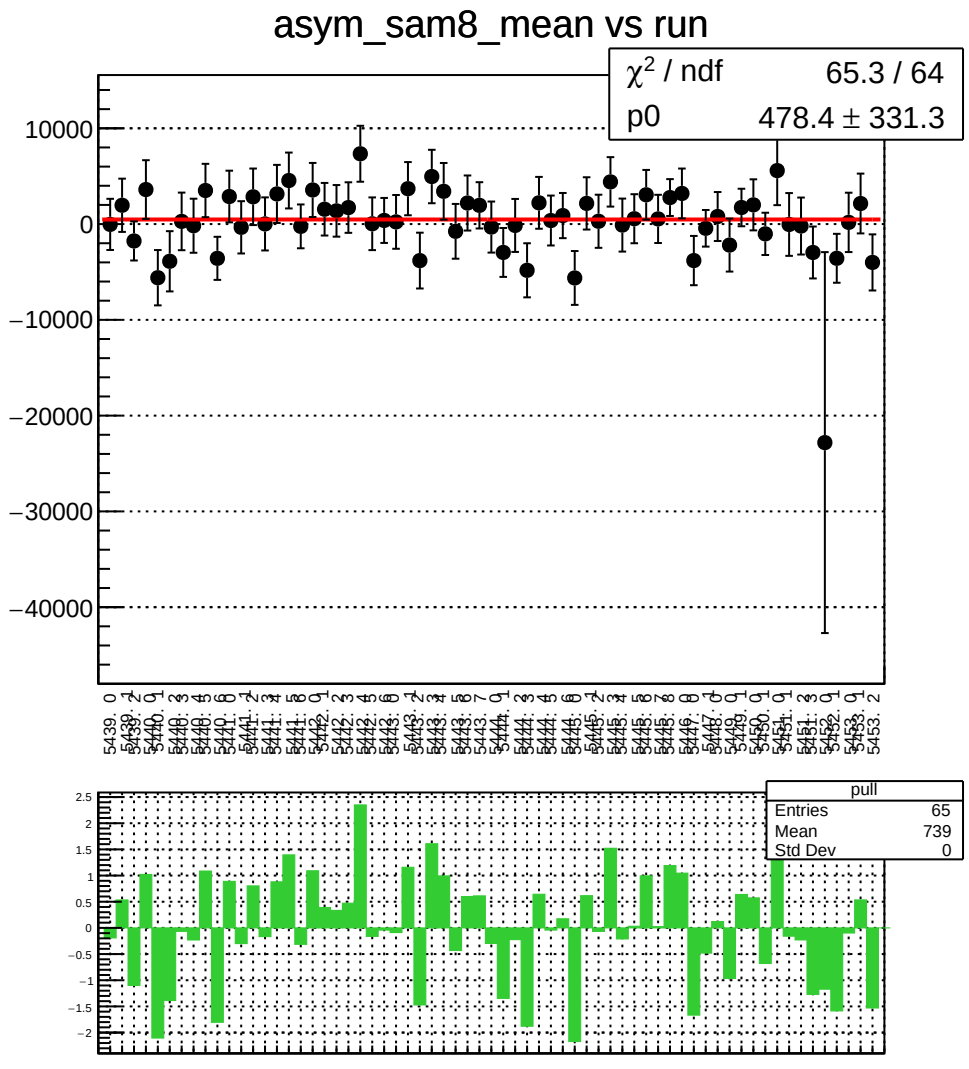

pull1D
Entries 65
Mean −0.04288
Std Dev 1.01

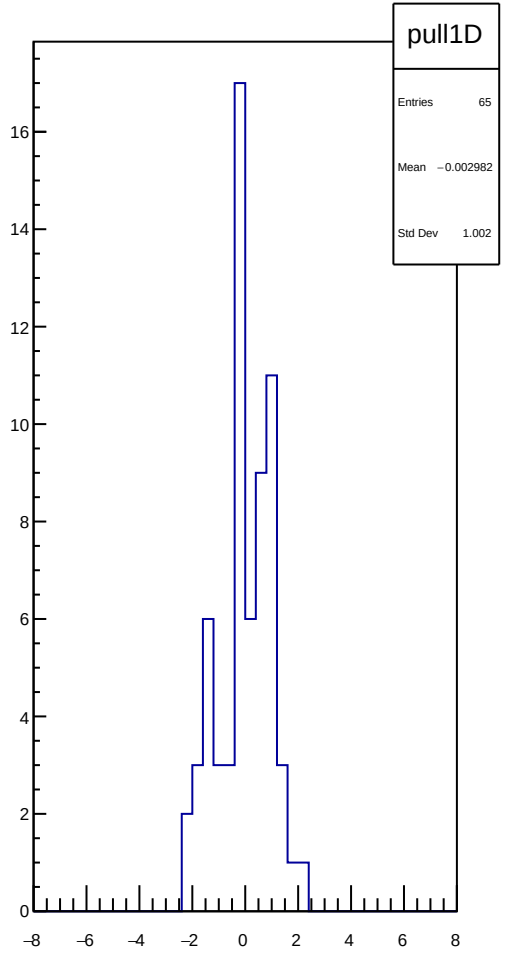

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 7.767e+04 / 64
p0 72.07 ± 0.06478
2000
1800
1600
1400
1200
1000
800
600
400
200

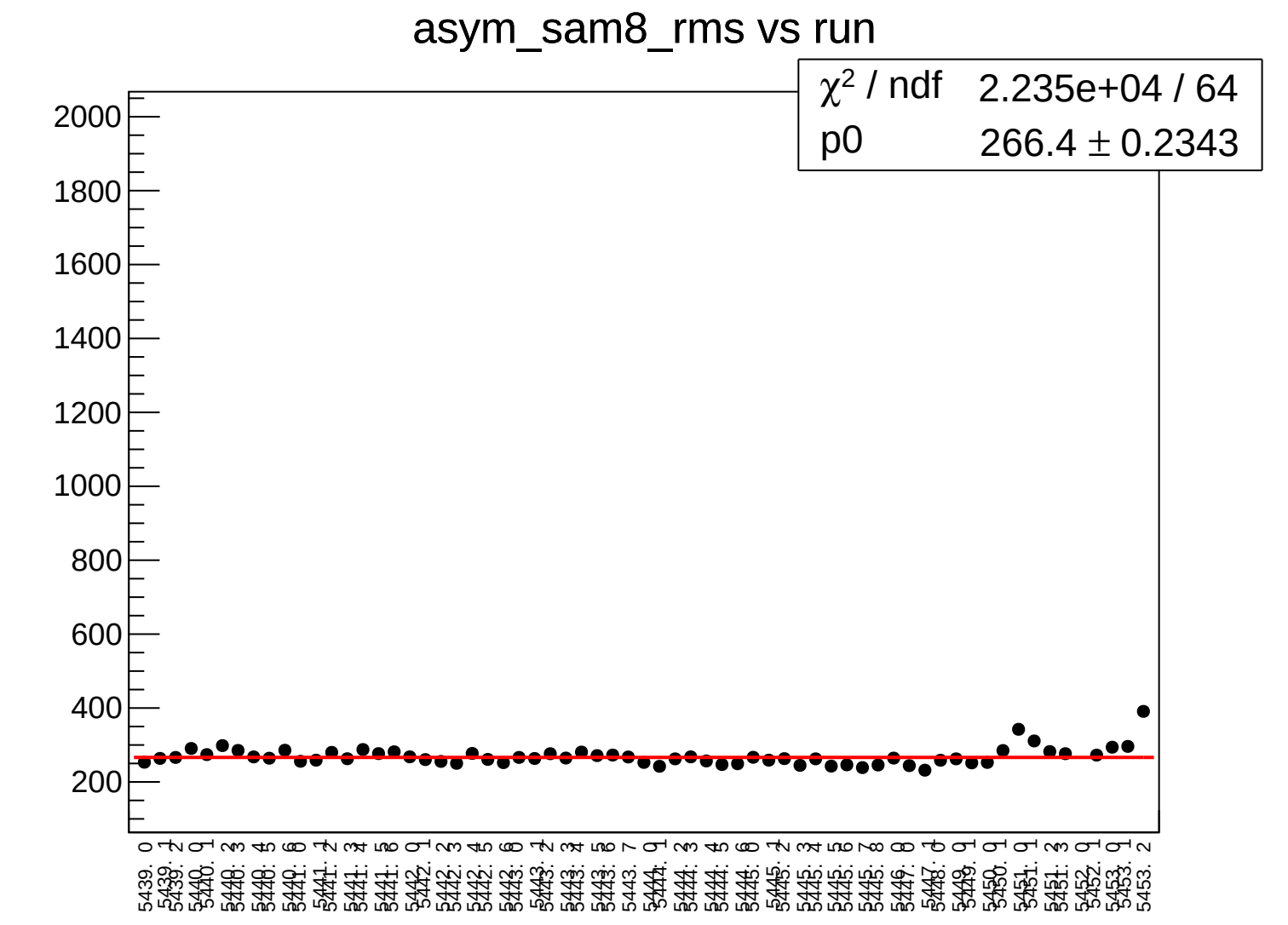

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 71.02 / 64
p0 −518.1± 320.5
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −160.7
Std Dev 0
2
1
0
−1
−2

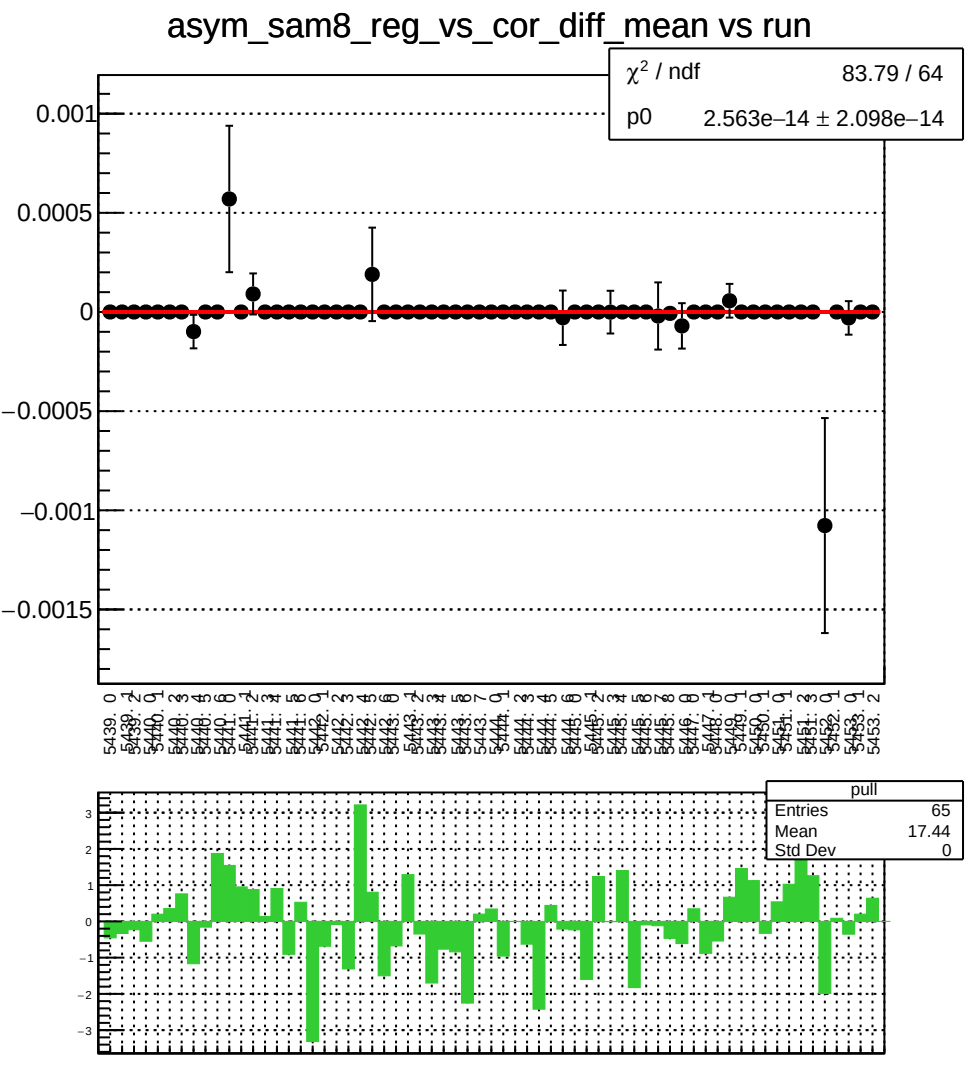

pull1D
Entries 65
Mean −0.01477
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

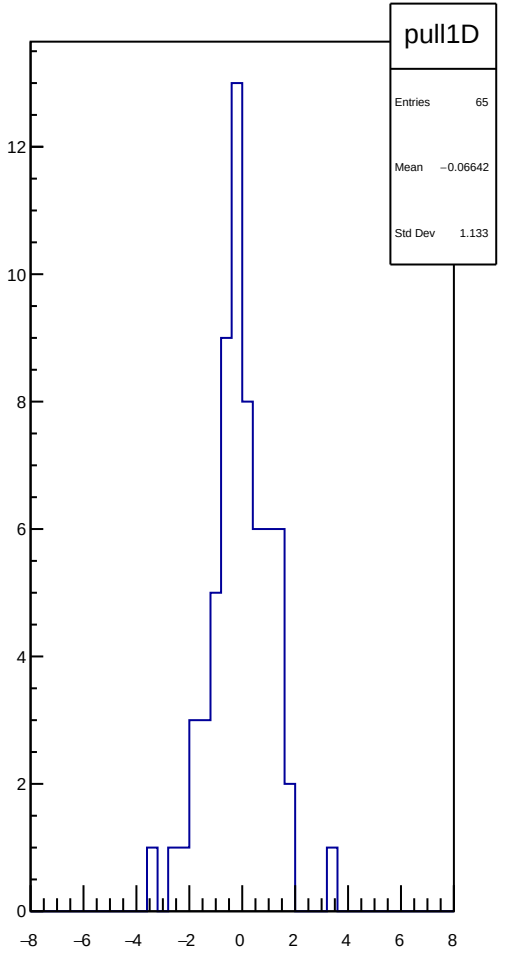

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 3415 / 64
p0 259.6 ± 0.2267
290
280
270
260
250
240
230
220

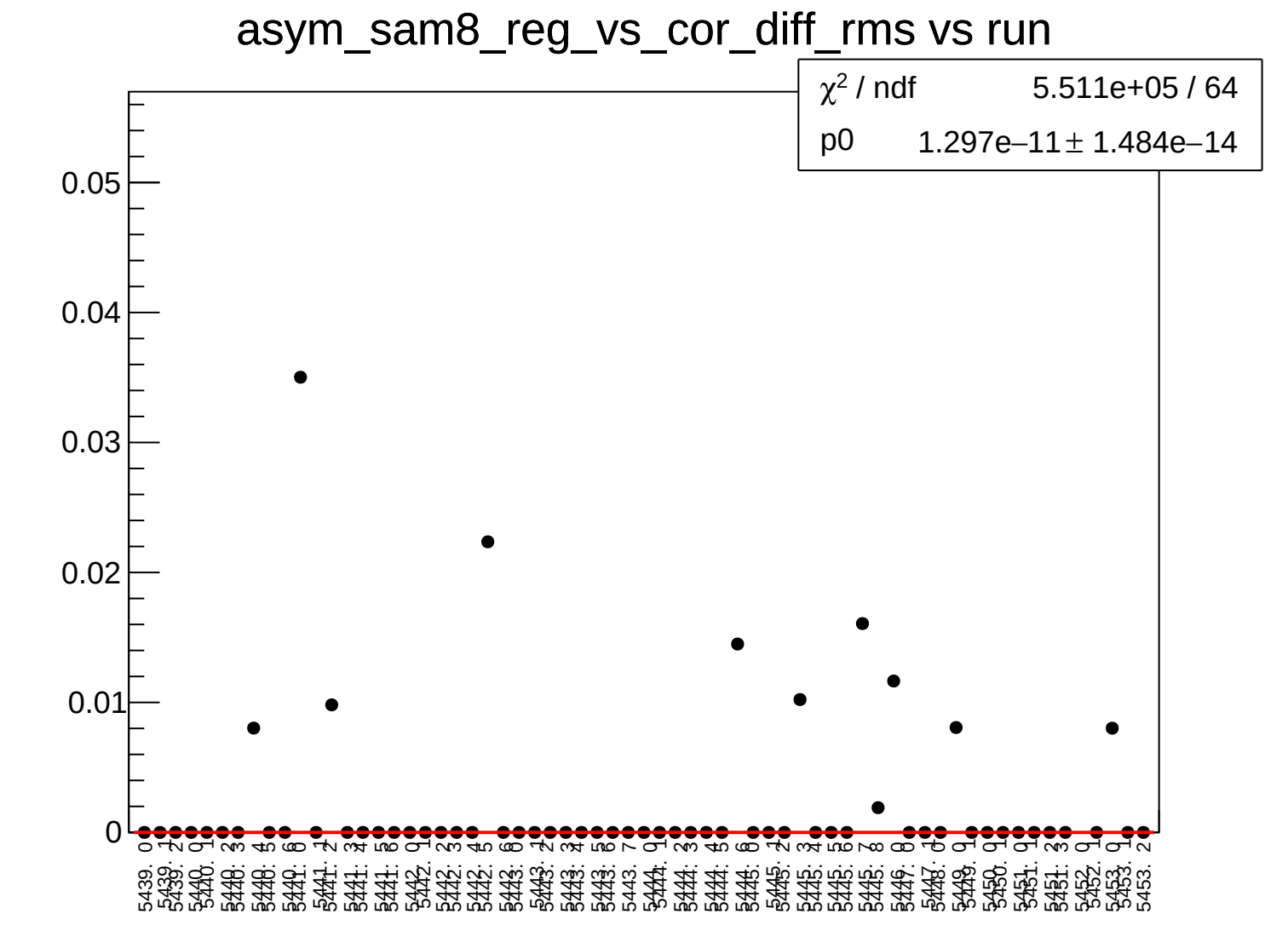

asym_sam8_mean vs run
χ² / ndf 65.3 / 64
p0 478.4 ± 331.3
10000
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean 739
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

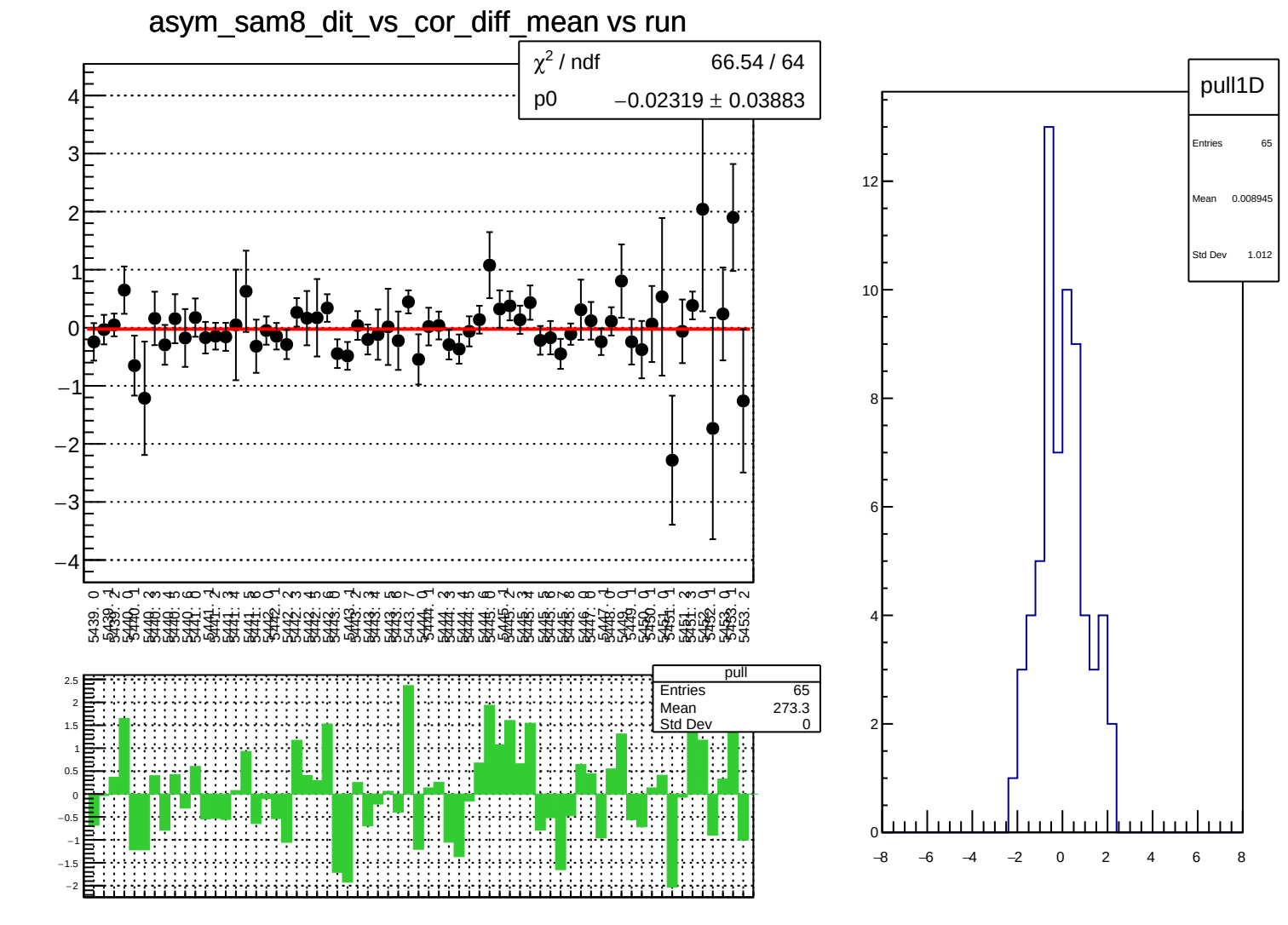

pull1D
Entries 65
Mean −0.002982
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

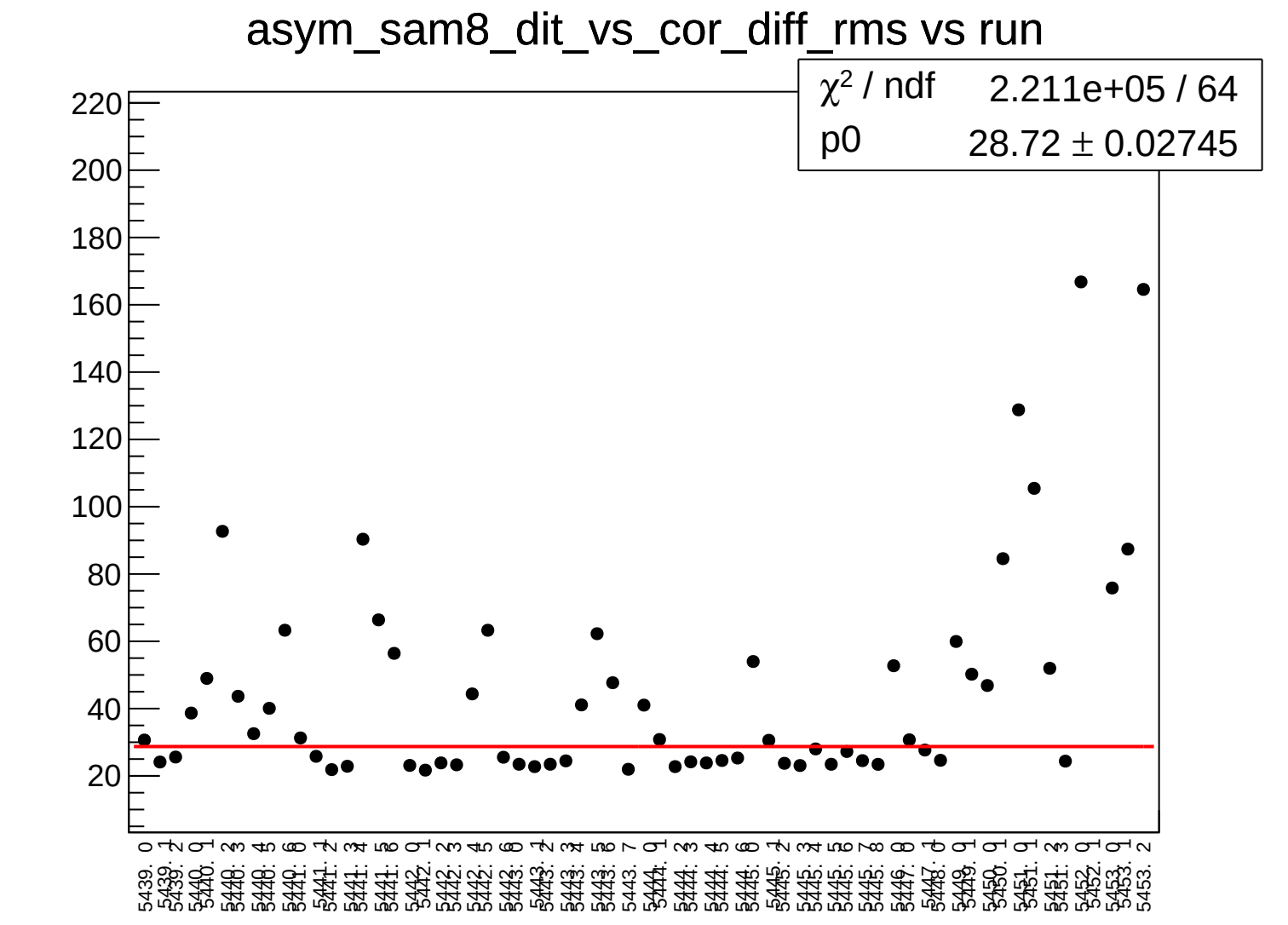

asym_sam8_rms vs run
χ^2 / ndf 2.235e+04 / 64
p0 266.4 ± 0.2343
2000
1800
1600
1400
1200
1000
800
600
400
200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

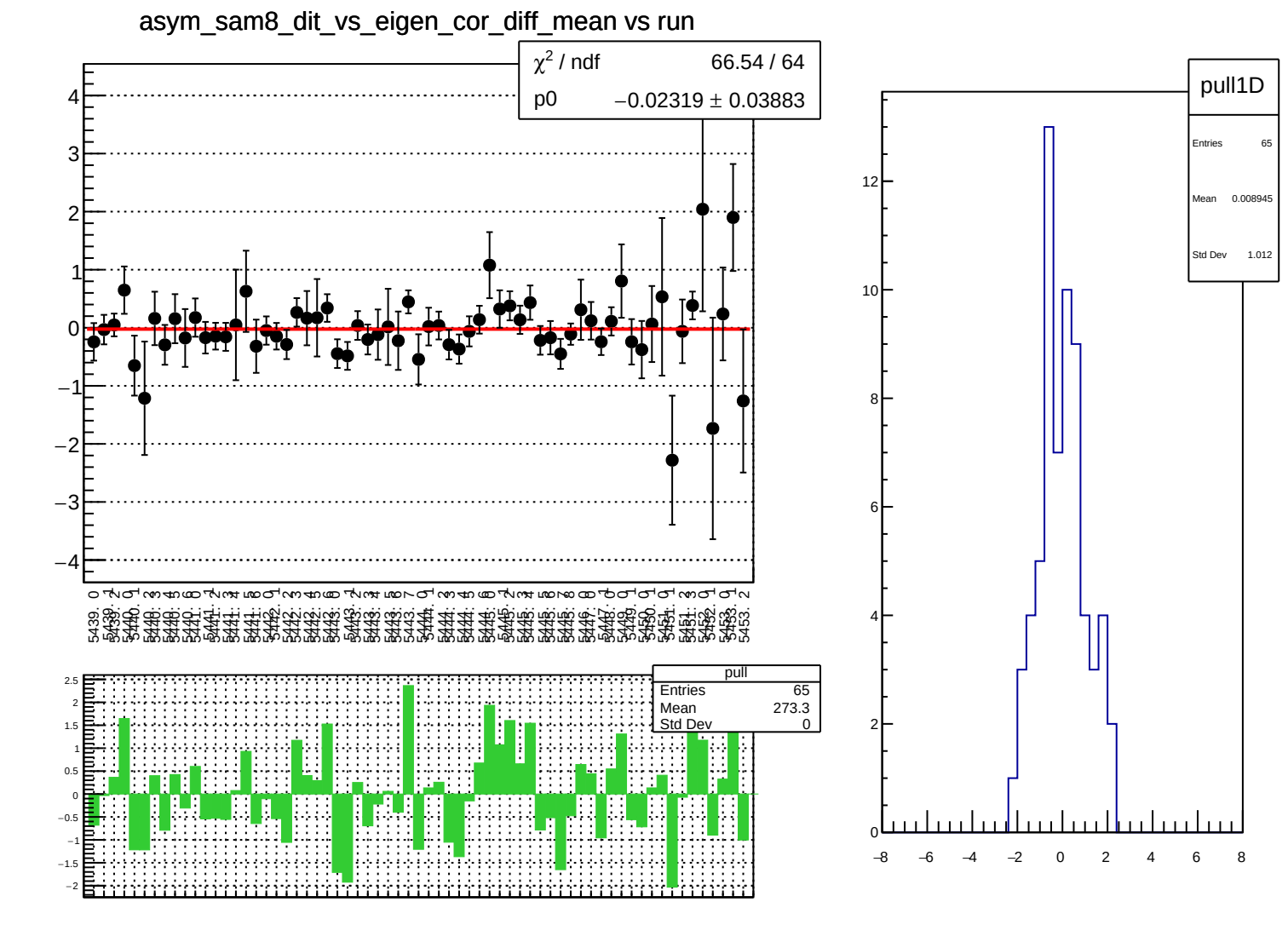

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 83.79 / 64
p0 2.563e−14 ± 2.098e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 17.44
Std Dev 0

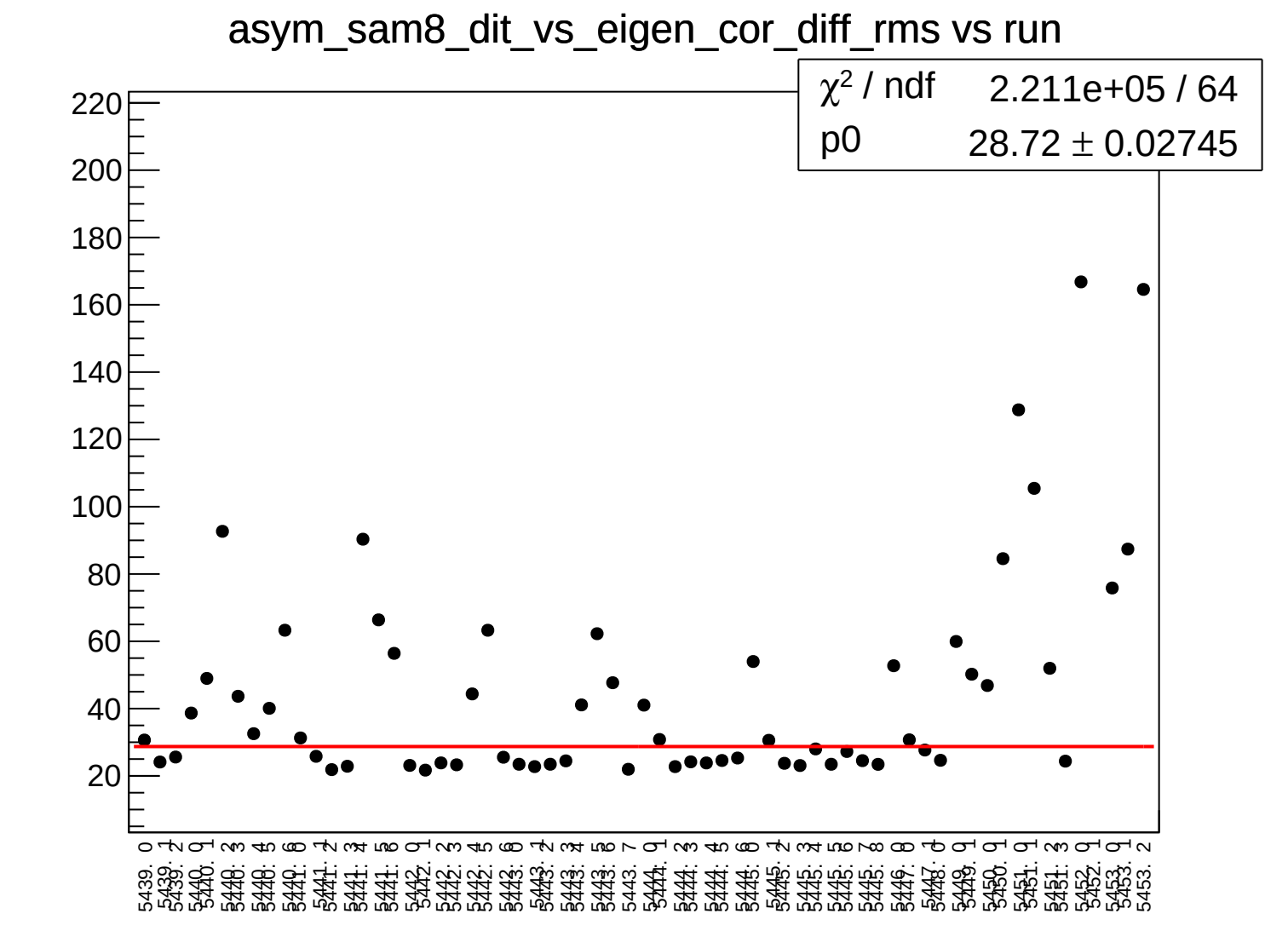

pull1D
Entries 65
Mean −0.06642
Std Dev 1.133

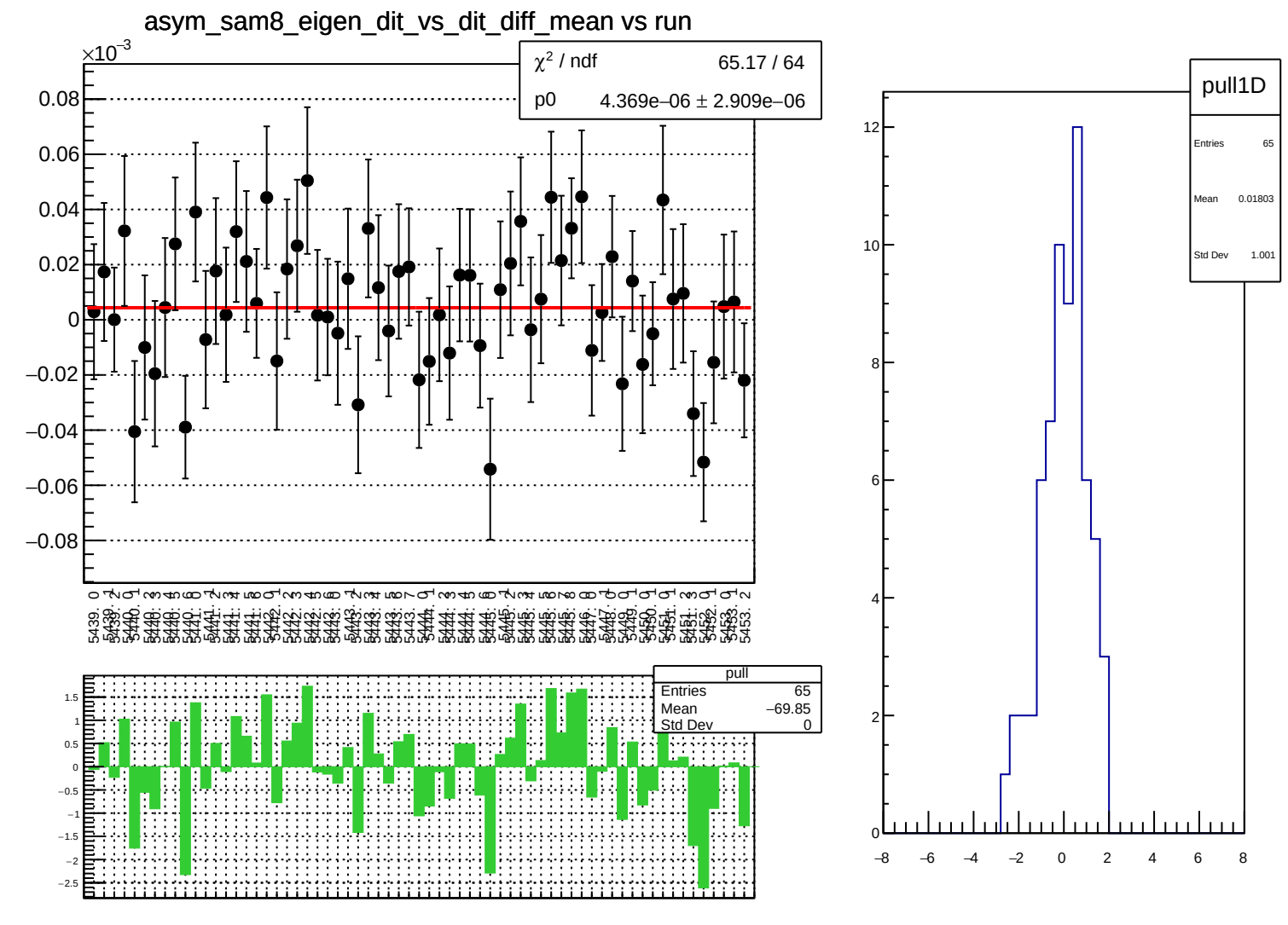

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 5.511e+05 / 64
p0 1.297e−11 ± 1.484e−14
0.05
0.04
0.03
0.02
0.01
0

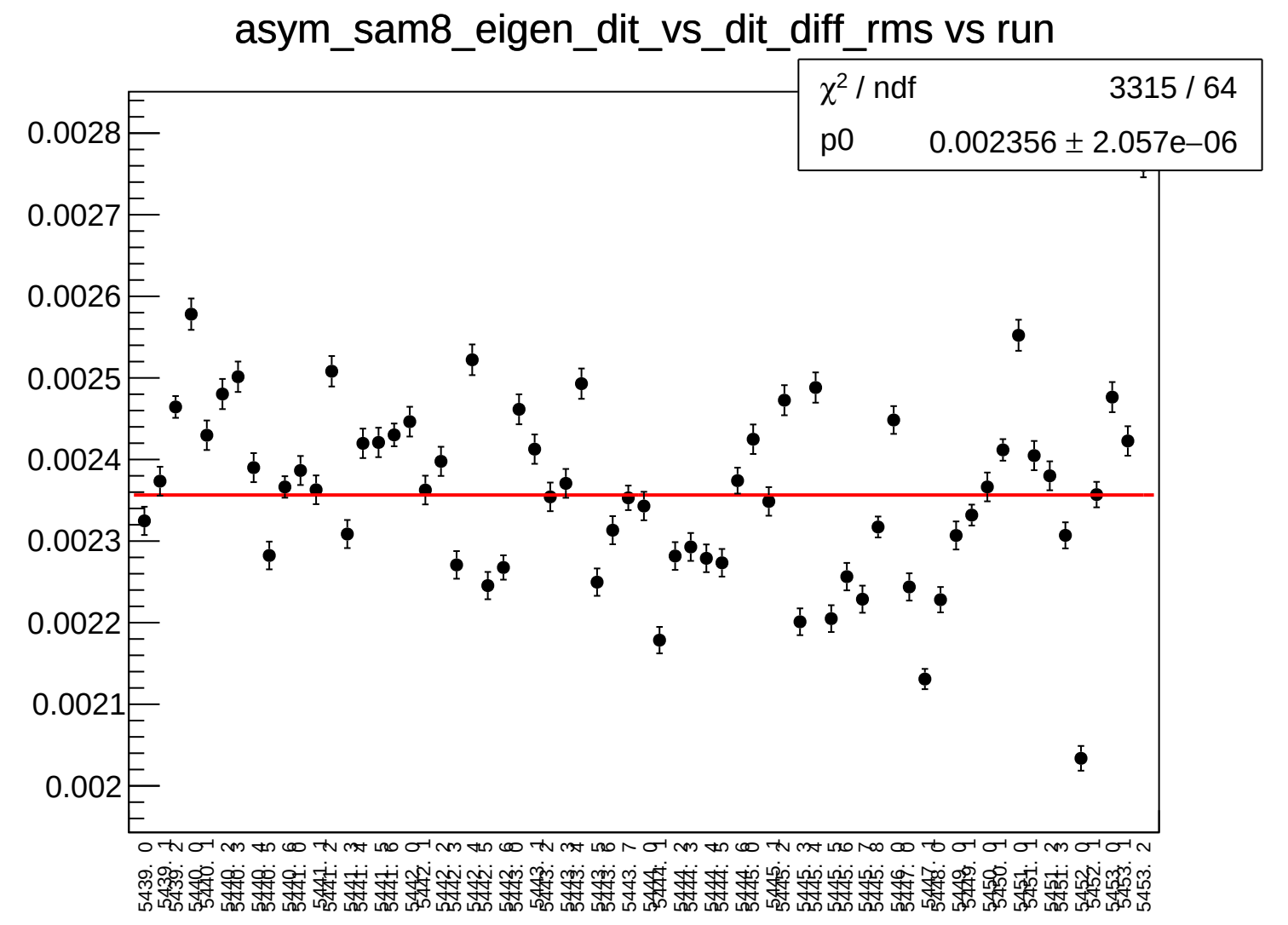

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 66.54 / 64
p0 −0.02319 ± 0.03883
pull
Entries 65
Mean 273.3
Std Dev 0
pull1D
Entries 65
Mean 0.008945
Std Dev 1.012

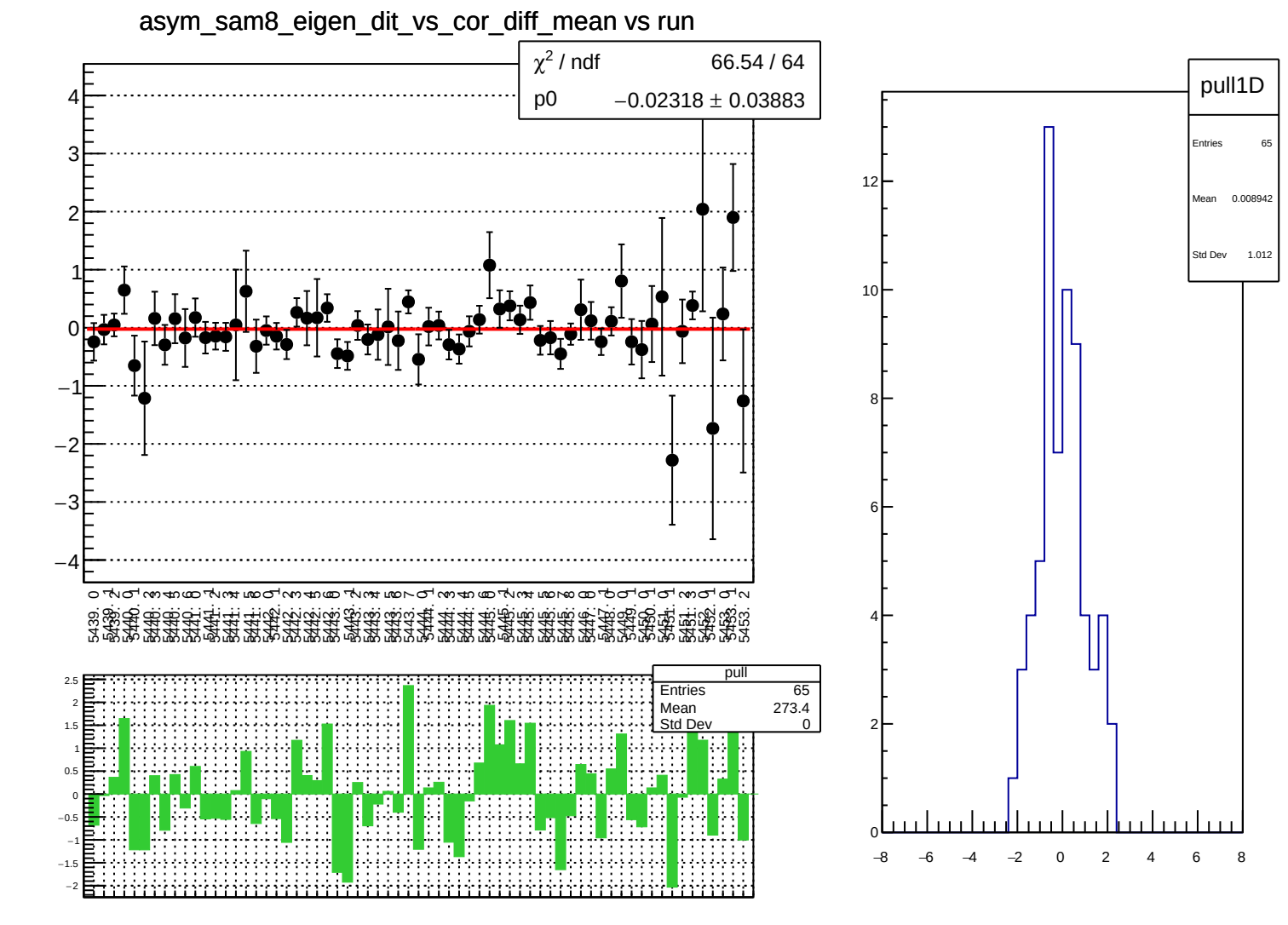

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 2.211e+05 / 64
p0 28.72 ± 0.02745
220
200
180
160
140
120
100
80
60
40
20

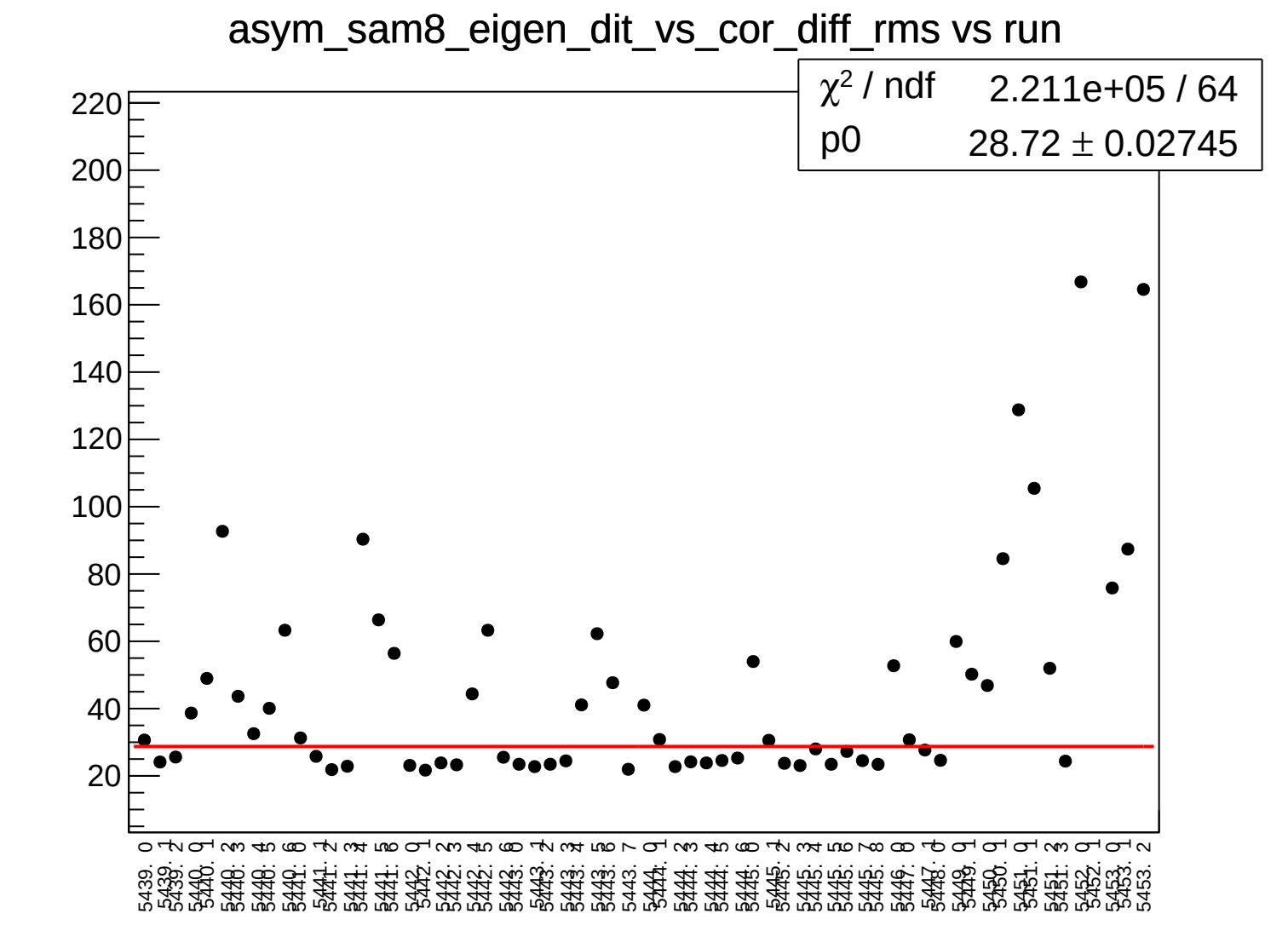

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.54 / 64
p0 −0.02319 ± 0.03883
pull
Entries 65
Mean 273.3
Std Dev 0
pull1D
Entries 65
Mean 0.008945
Std Dev 1.012

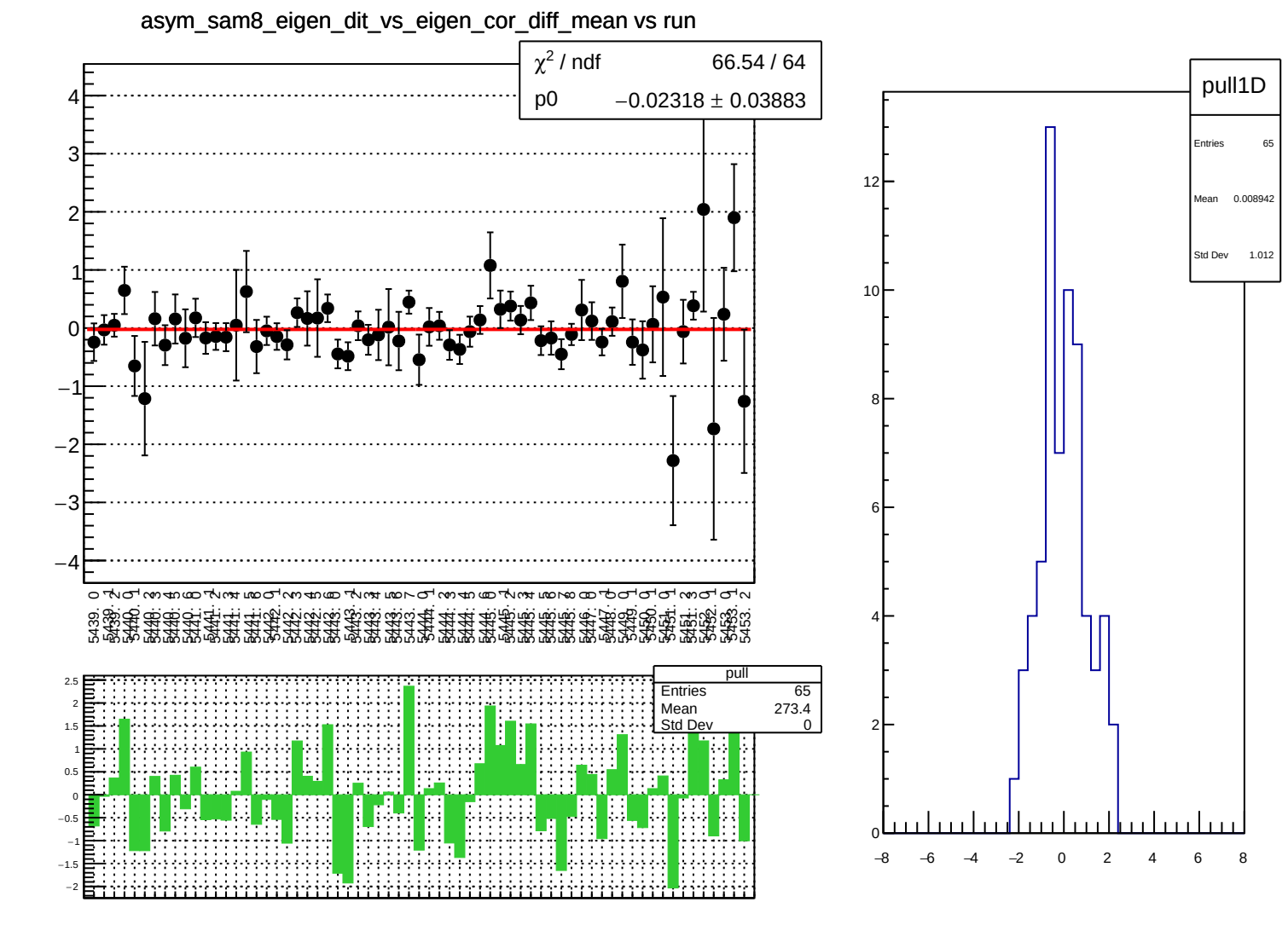

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.211e+05 / 64
p0 28.72 ± 0.02745
220
200
180
160
140
120
100
80
60
40
20

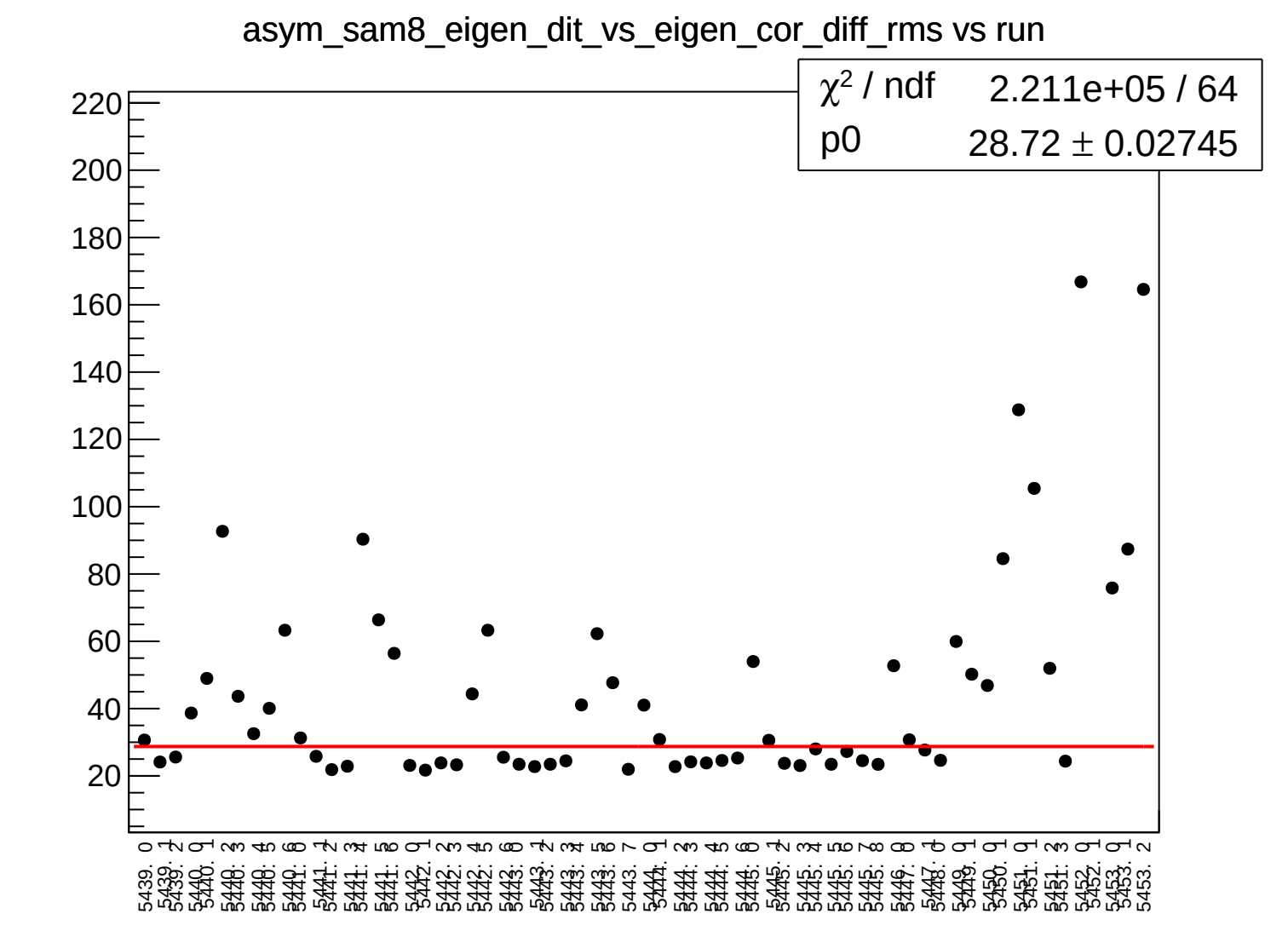

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.17 / 64
p0 4.369e−06 ± 2.909e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 65
Mean −69.85
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 65
Mean 0.01803
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

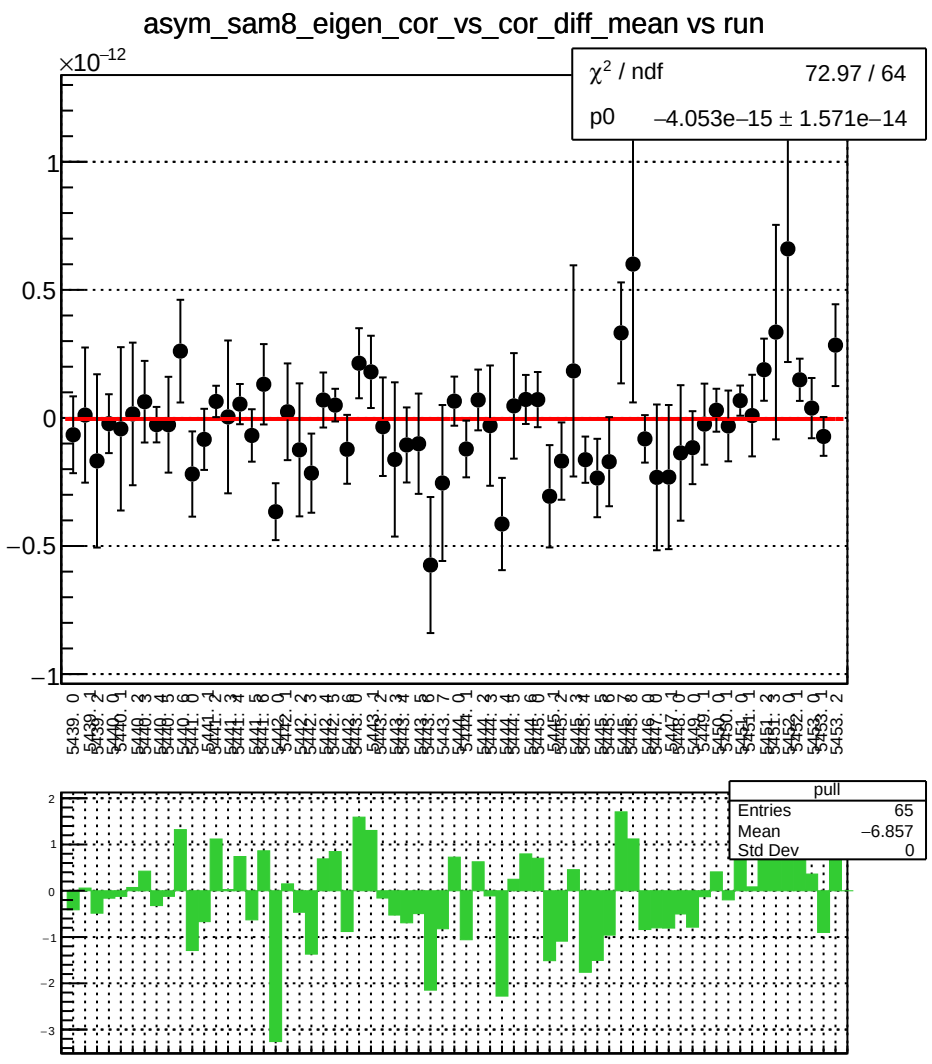

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3315 / 64
p0 0.002356 ± 2.057e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

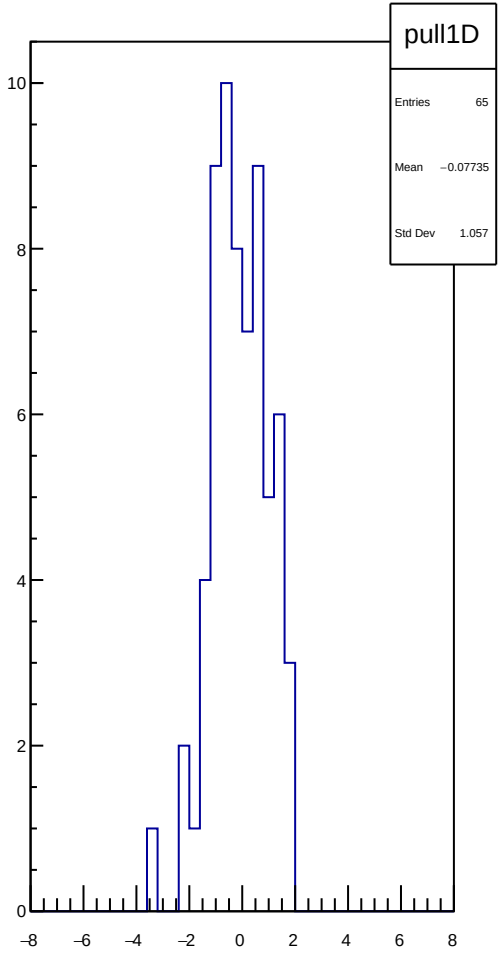

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.54 / 64
p0 −0.02318 ± 0.03883
pull
Entries 65
Mean 273.4
Std Dev 0
pull1D
Entries 65
Mean 0.008942
Std Dev 1.012

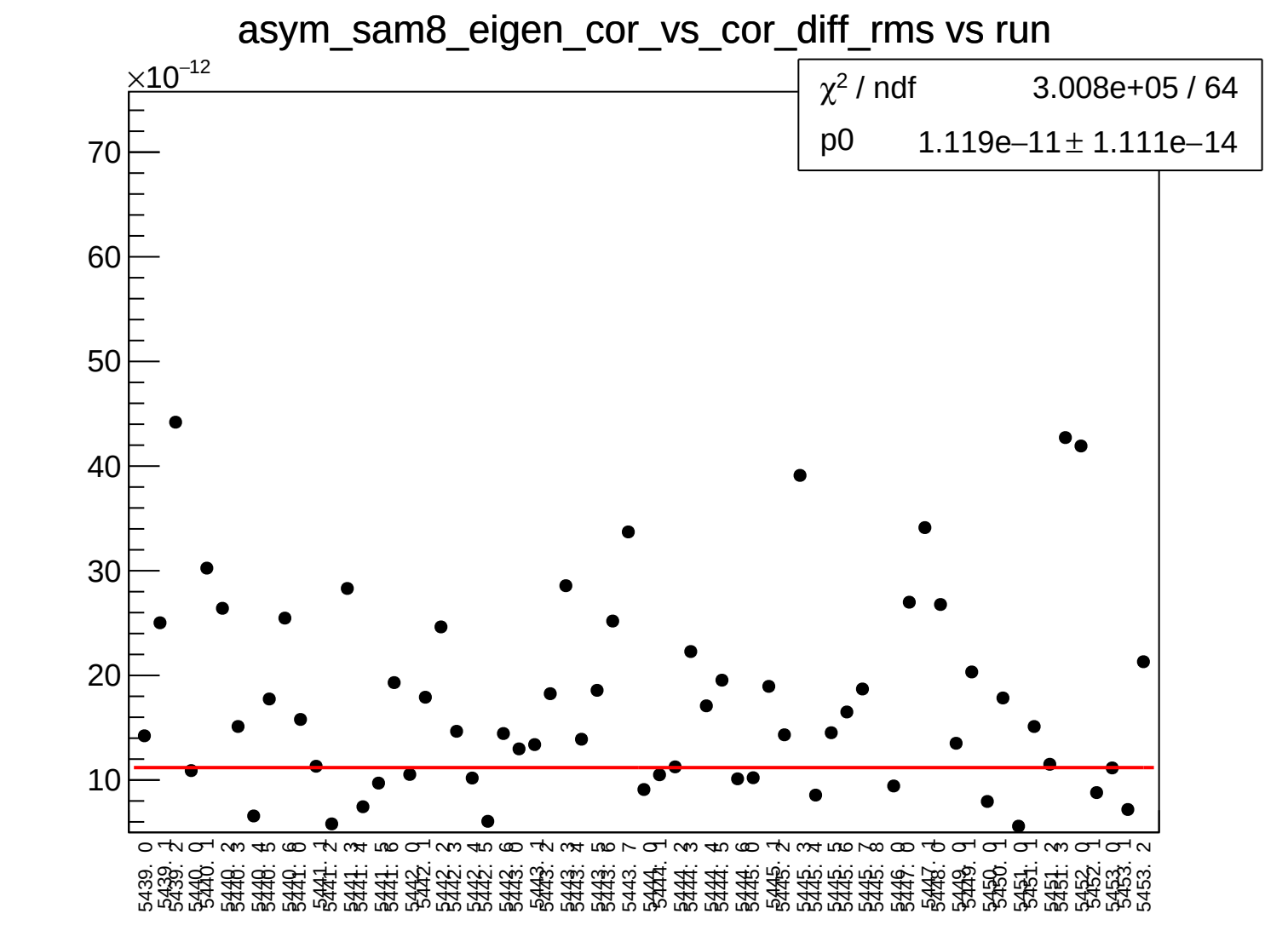

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.211e+05 / 64
p0 28.72 ± 0.02745
220
200
180
160
140
120
100
80
60
40
20

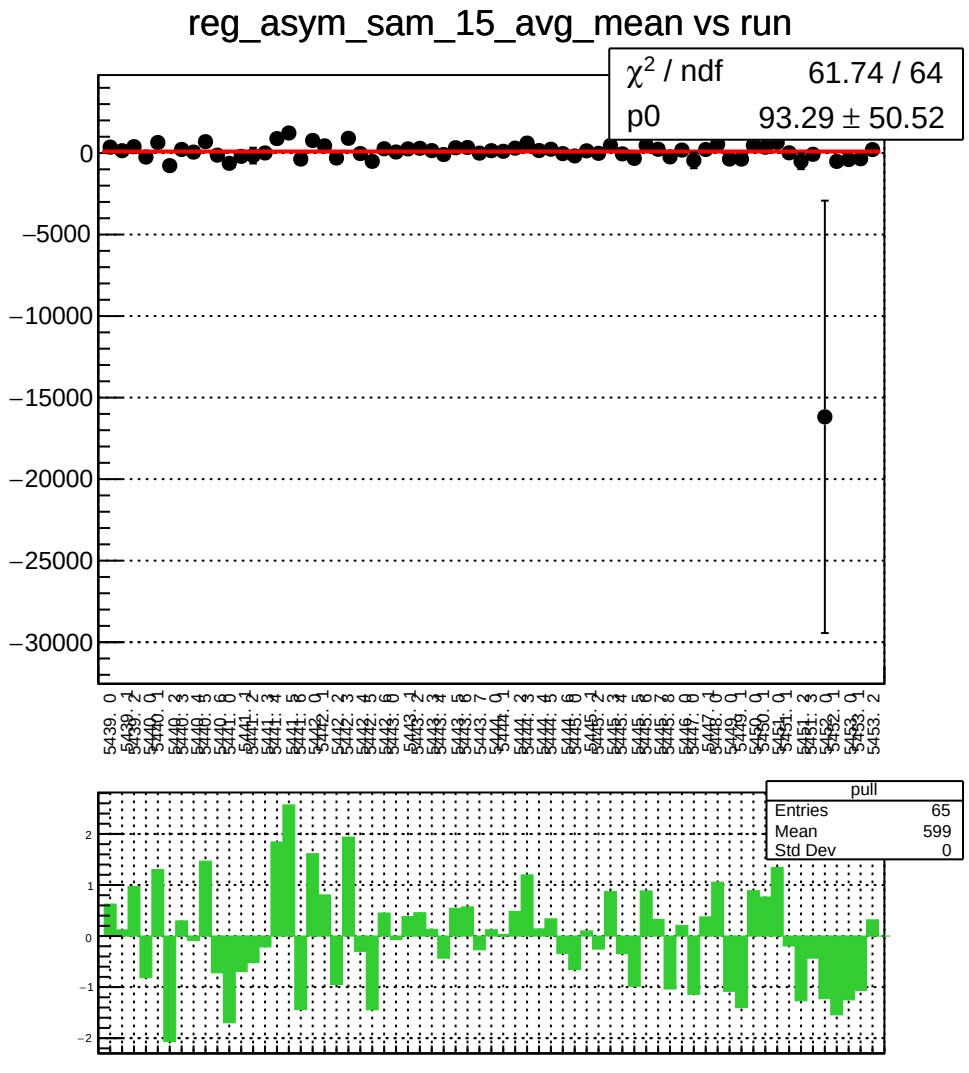

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.54 / 64
p0 −0.02318 ± 0.03883
pull
Entries 65
Mean 273.4
Std Dev 0
pull1D
Entries 65
Mean 0.008942
Std Dev 1.012

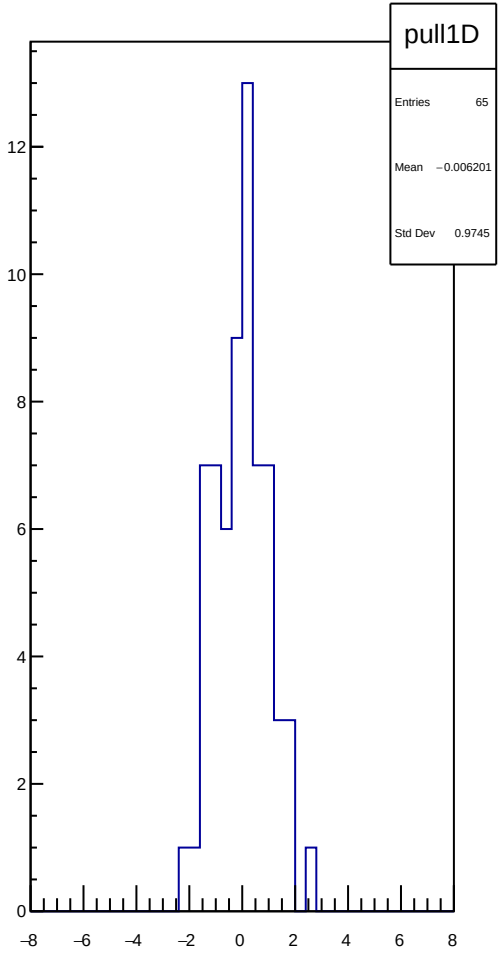

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.211e+05 / 64
p0 28.72 ± 0.02745
220
200
180
160
140
120
100
80
60
40
20

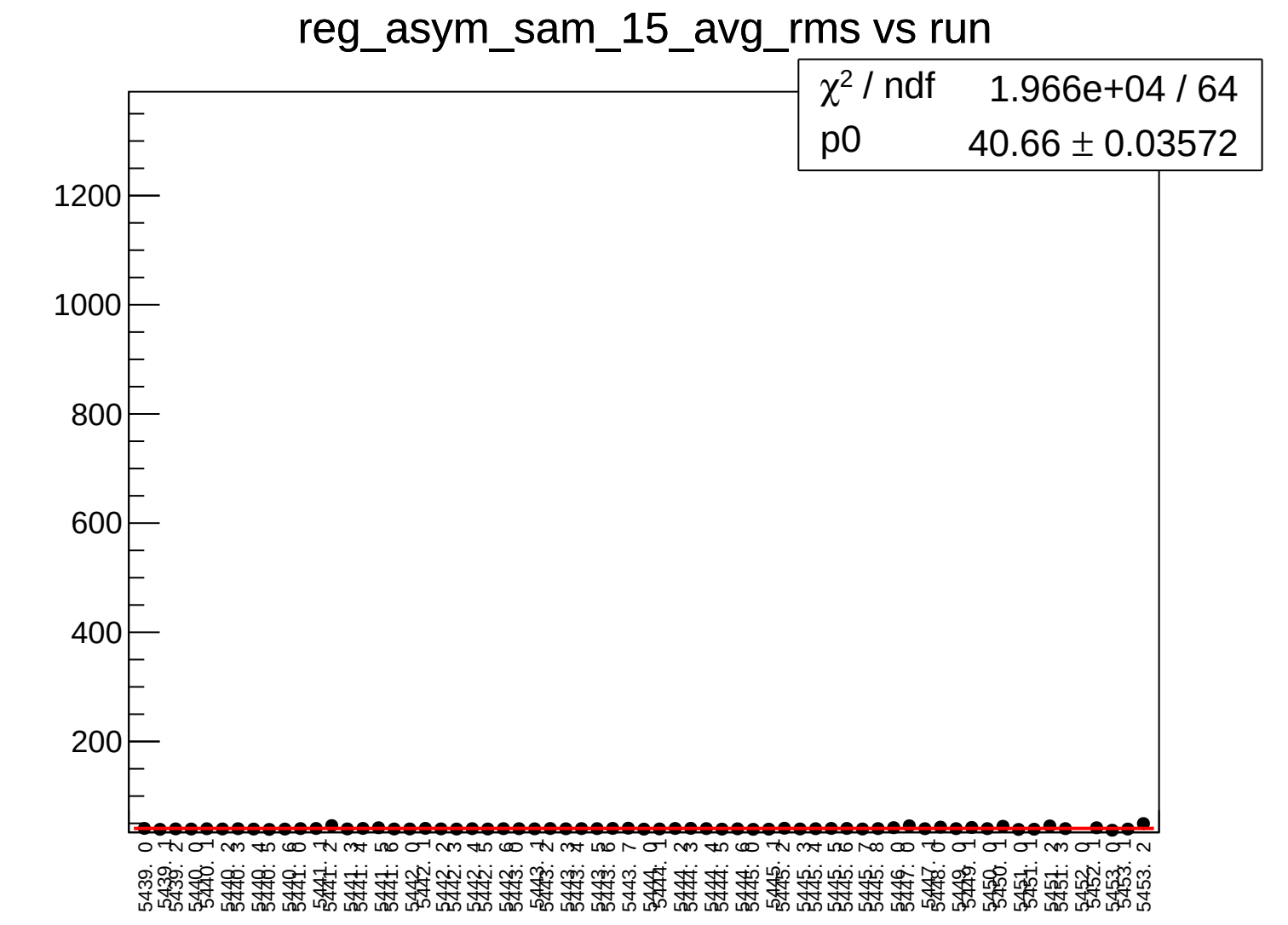

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.97 / 64
p0 −4.053e−15 ± 1.571e−14
pull
Entries 65
Mean −6.857
Std Dev 0

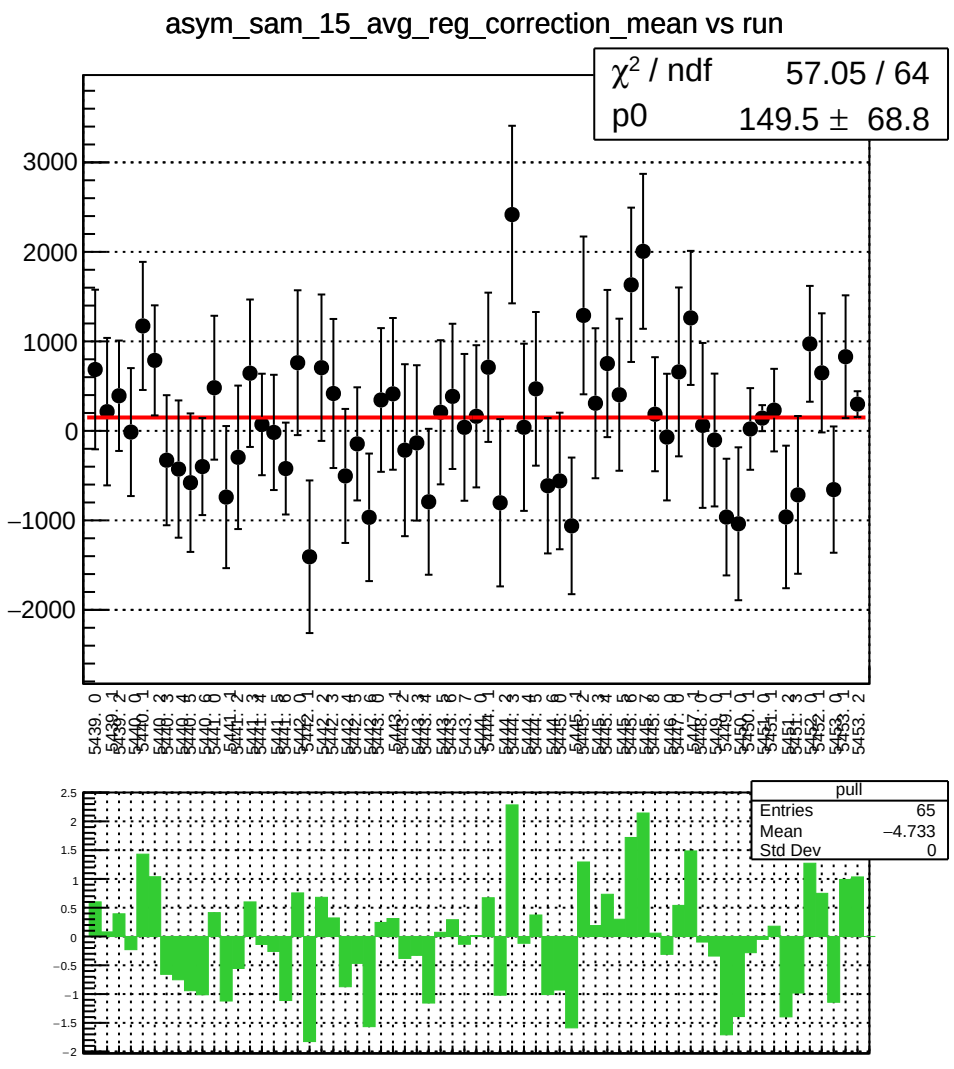

pull1D
Entries 65
Mean −0.07735
Std Dev 1.057

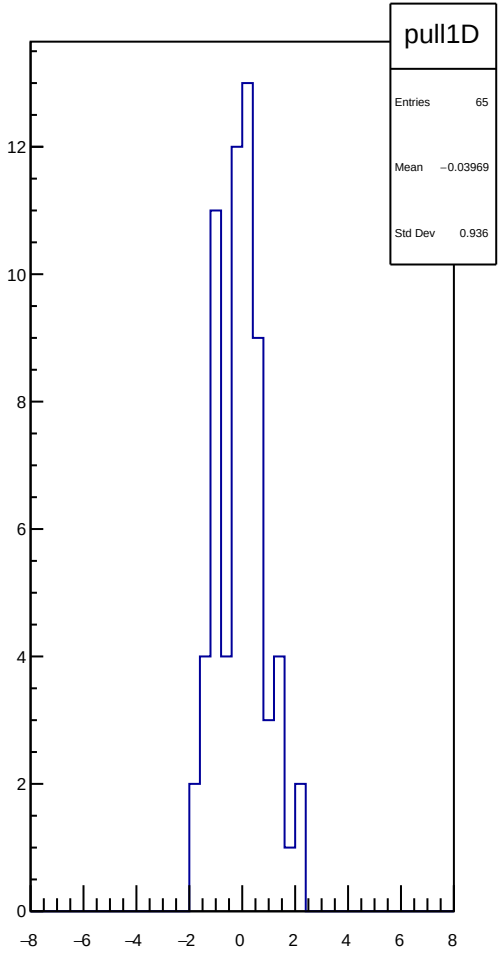

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.008e+05 / 64
p0 1.119e−11 ± 1.111e−14
70
60
50
40
30
20
10

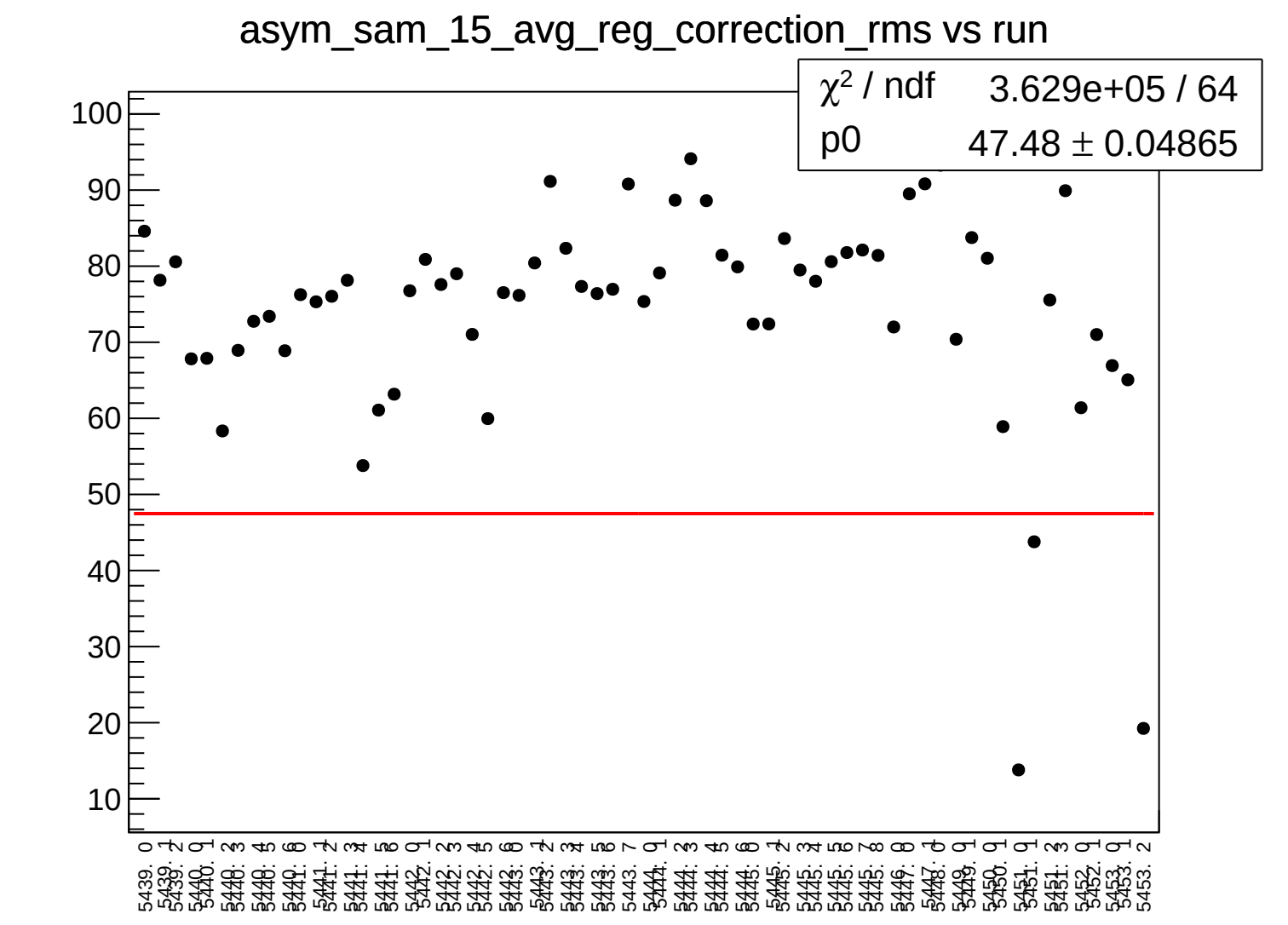

reg_asym_sam_15_avg_mean vs run
χ² / ndf 61.74 / 64
p0 93.29 ± 50.52
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 65
Mean 599
Std Dev 0
2
1
0
−1
−2

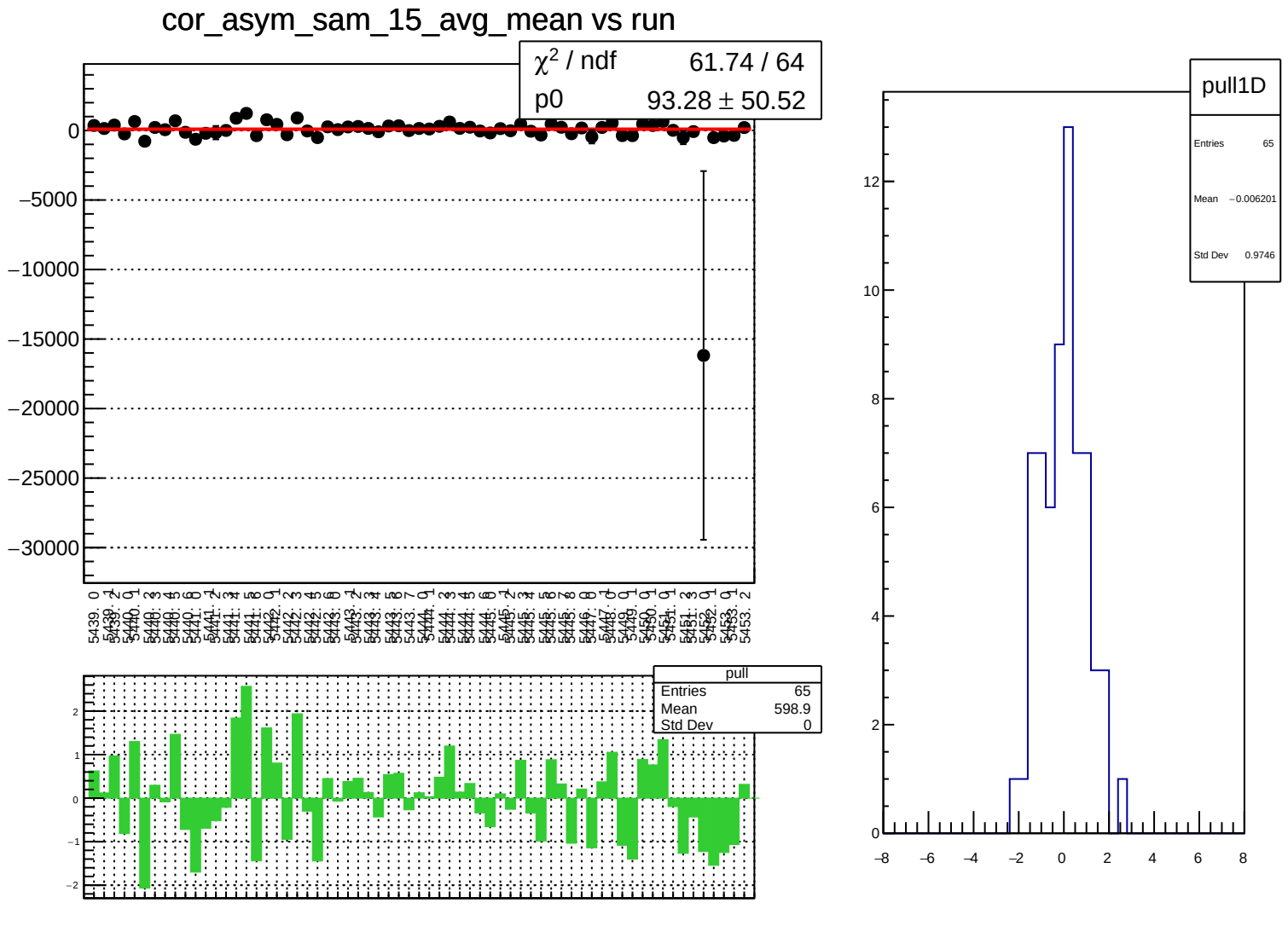

pull1D
Entries 65
Mean −0.006201
Std Dev 0.9745
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

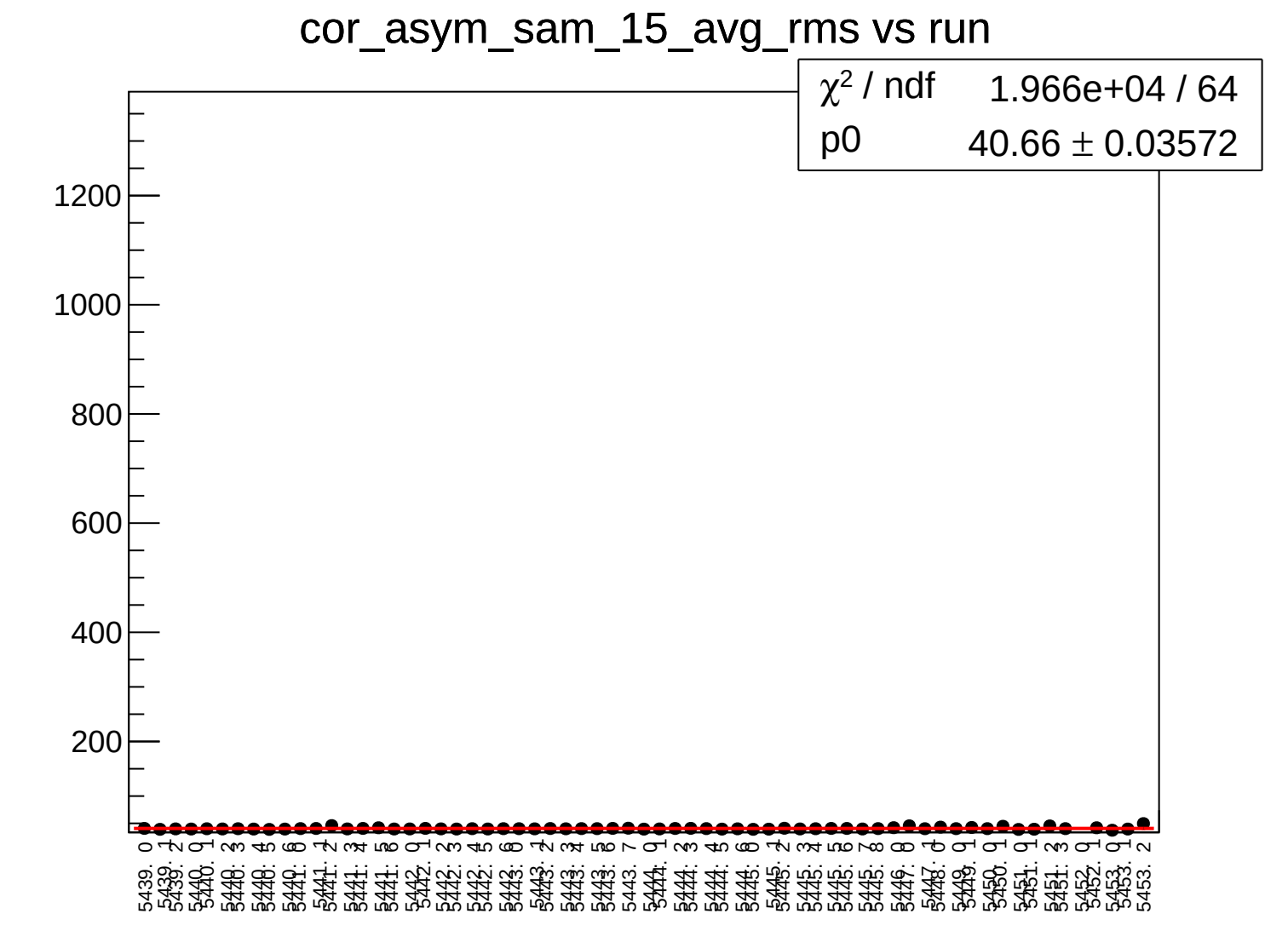

reg_asym_sam_15_avg_rms vs run
χ² / ndf 1.966e+04 / 64
p0 40.66 ± 0.03572
1200
1000
800
600
400
200

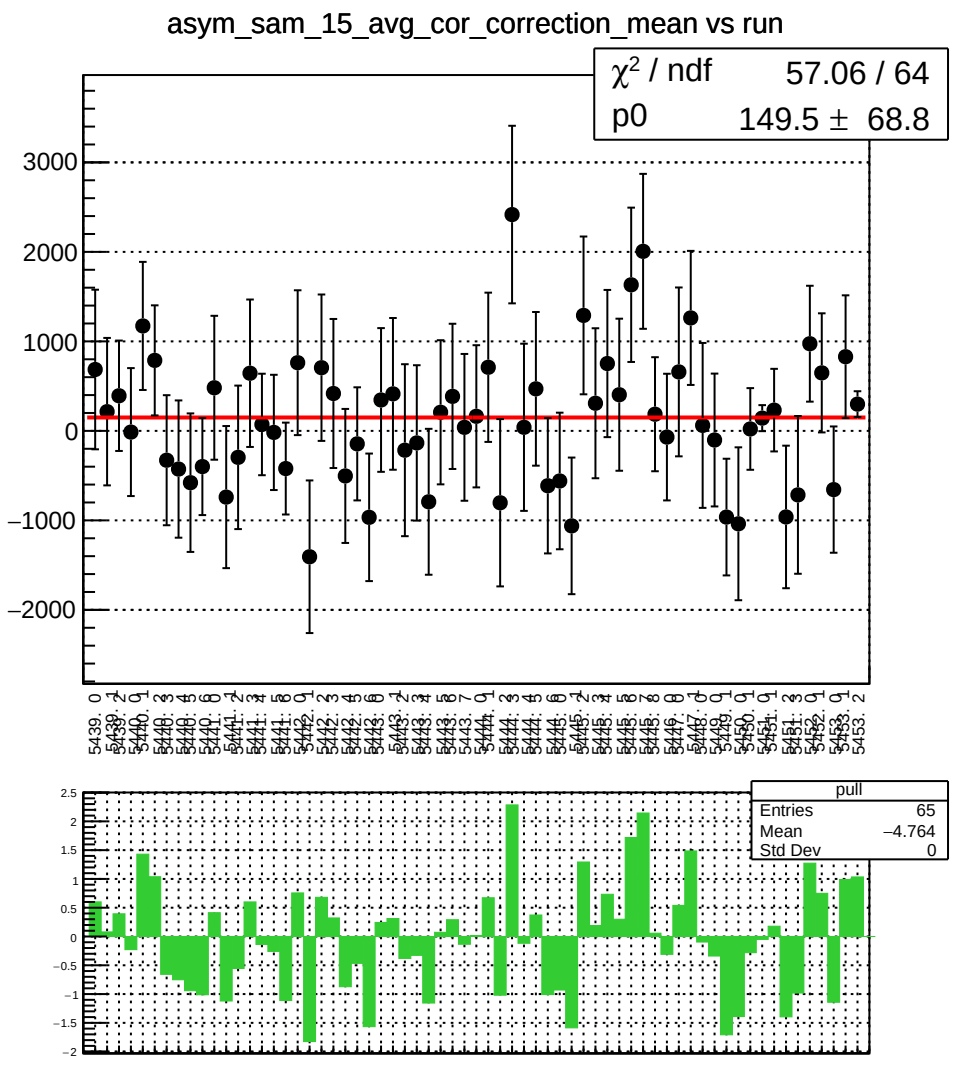

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 57.05 / 64
p0 149.5 ± 68.8
pull
Entries 65
Mean −4.733
Std Dev 0

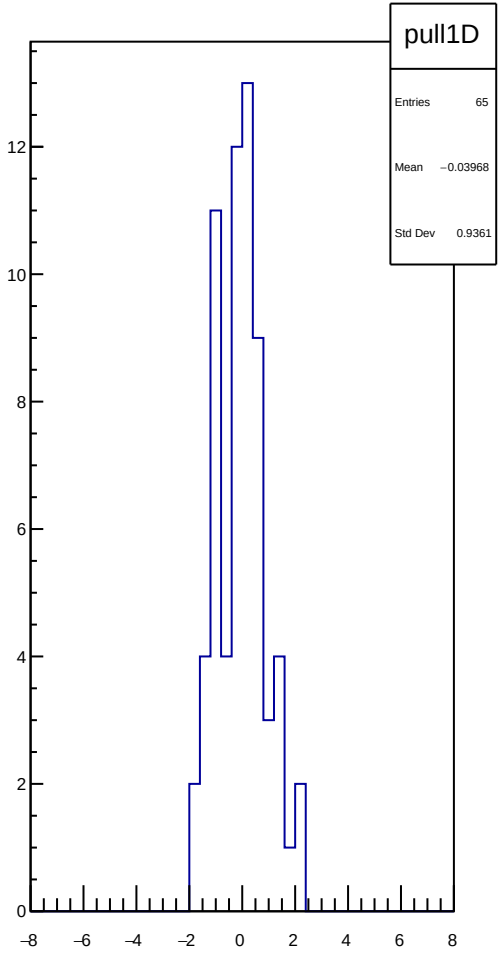

pull1D
Entries 65
Mean −0.03969
Std Dev 0.936

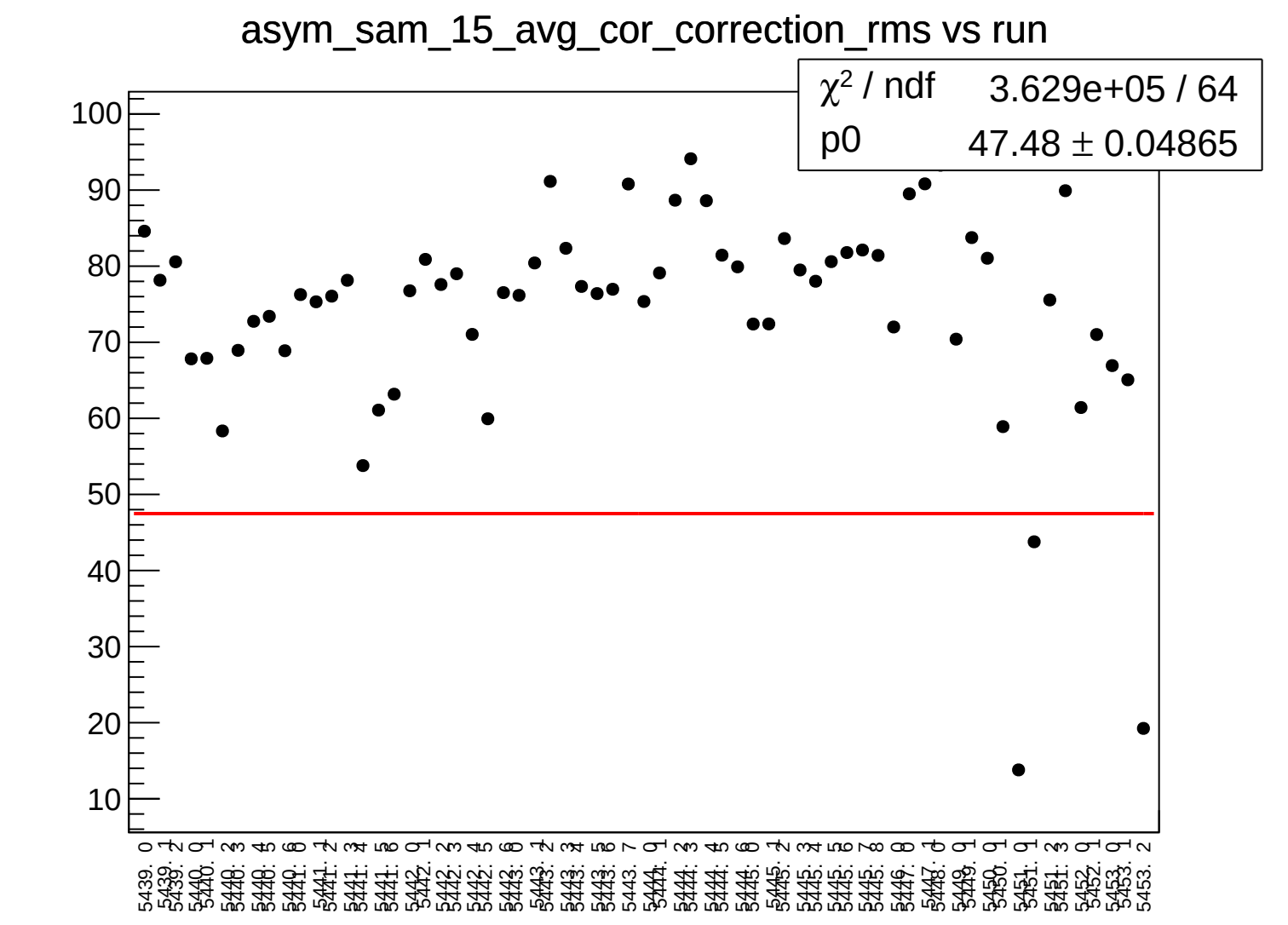

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 3.629e+05 / 64
p0 47.48 ± 0.04865
100
90
80
70
60
50
40
30
20
10

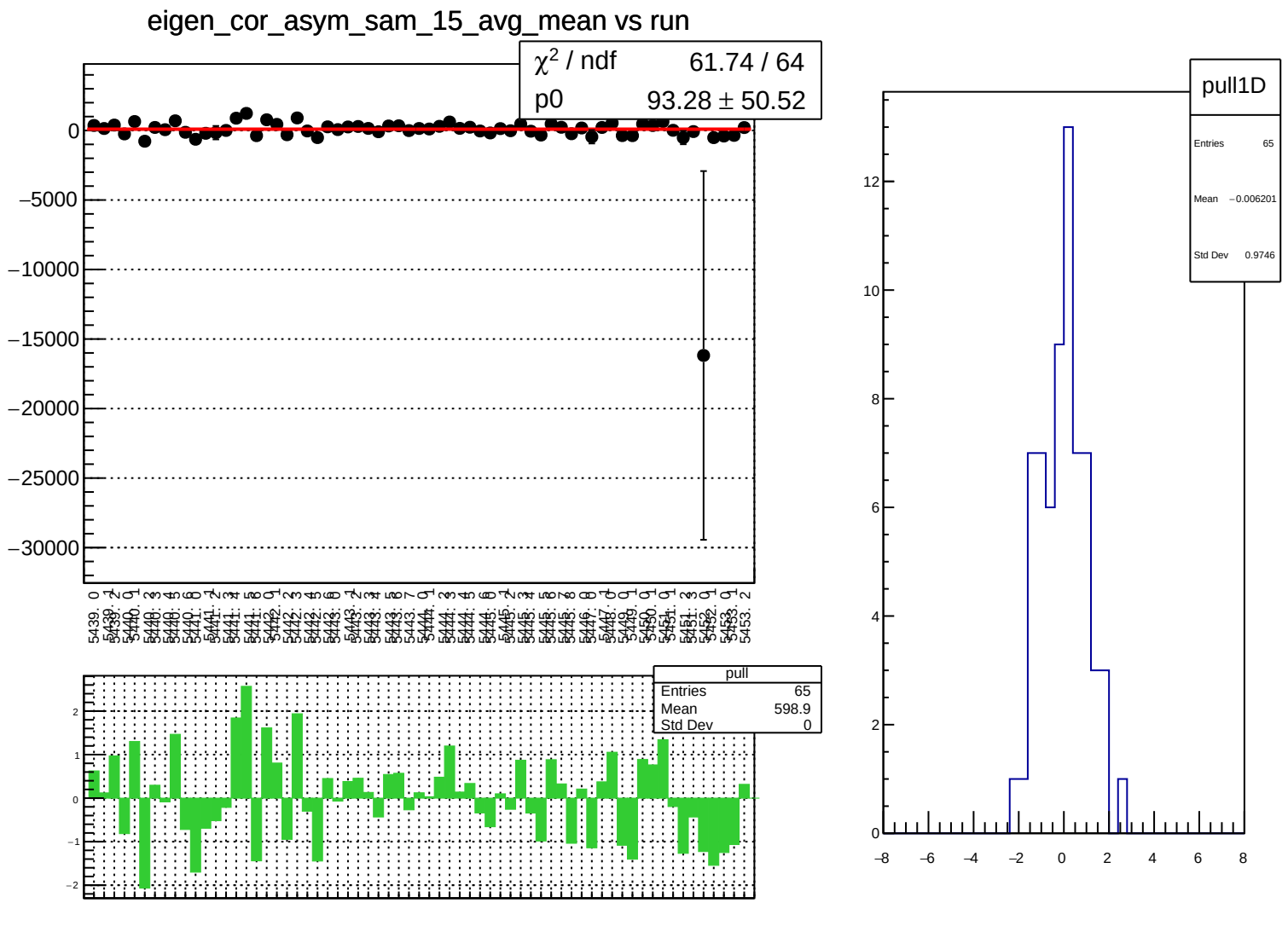

cor_asym_sam_15_avg_mean vs run
χ² / ndf 61.74 / 64
p0 93.28 ± 50.52
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 65
Mean 598.9
Std Dev 0
pull1D
Entries 65
Mean −0.006201
Std Dev 0.9746

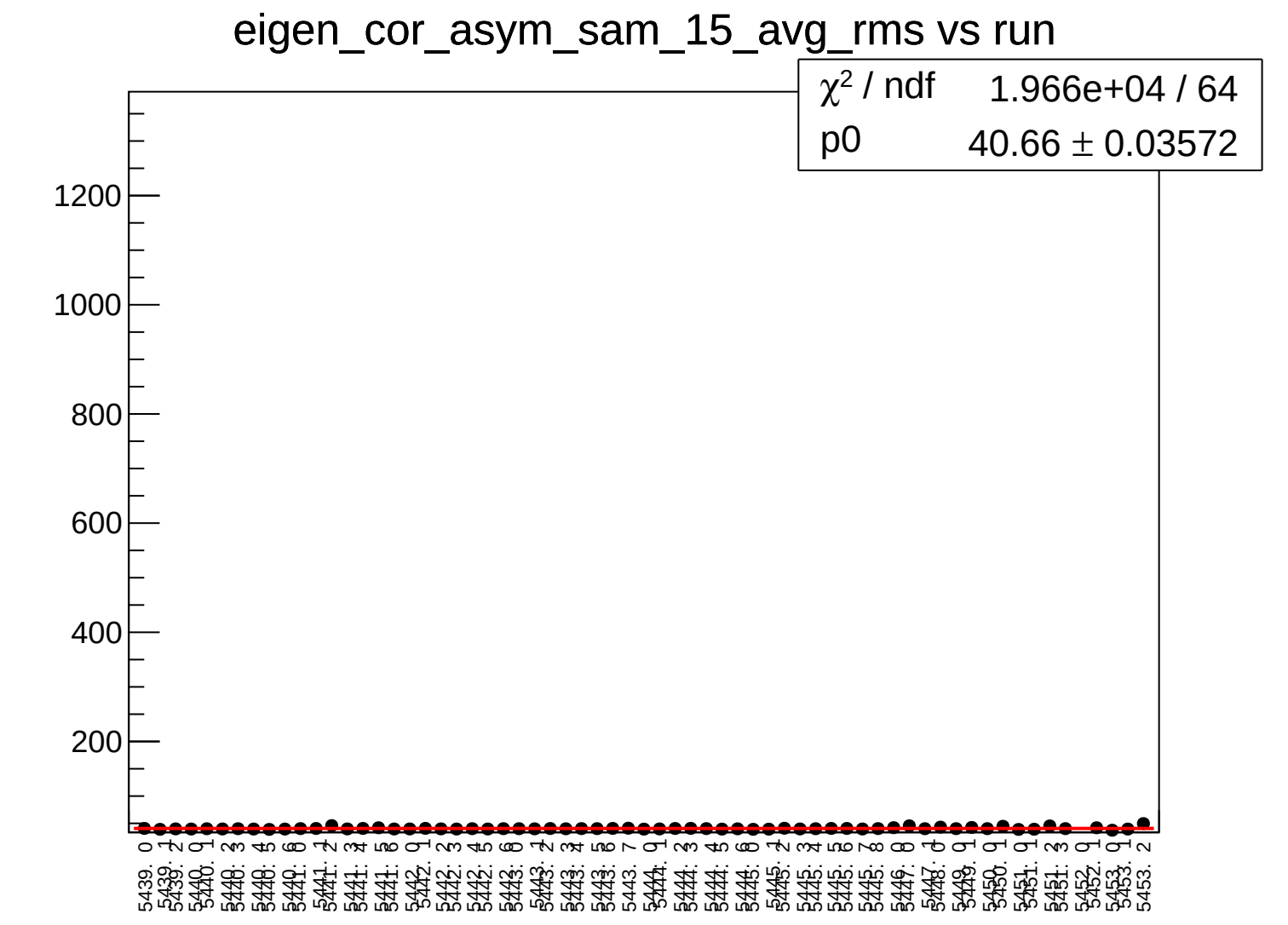

cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.966e+04 / 64
p0 40.66 ± 0.03572
1200
1000
800
600
400
200

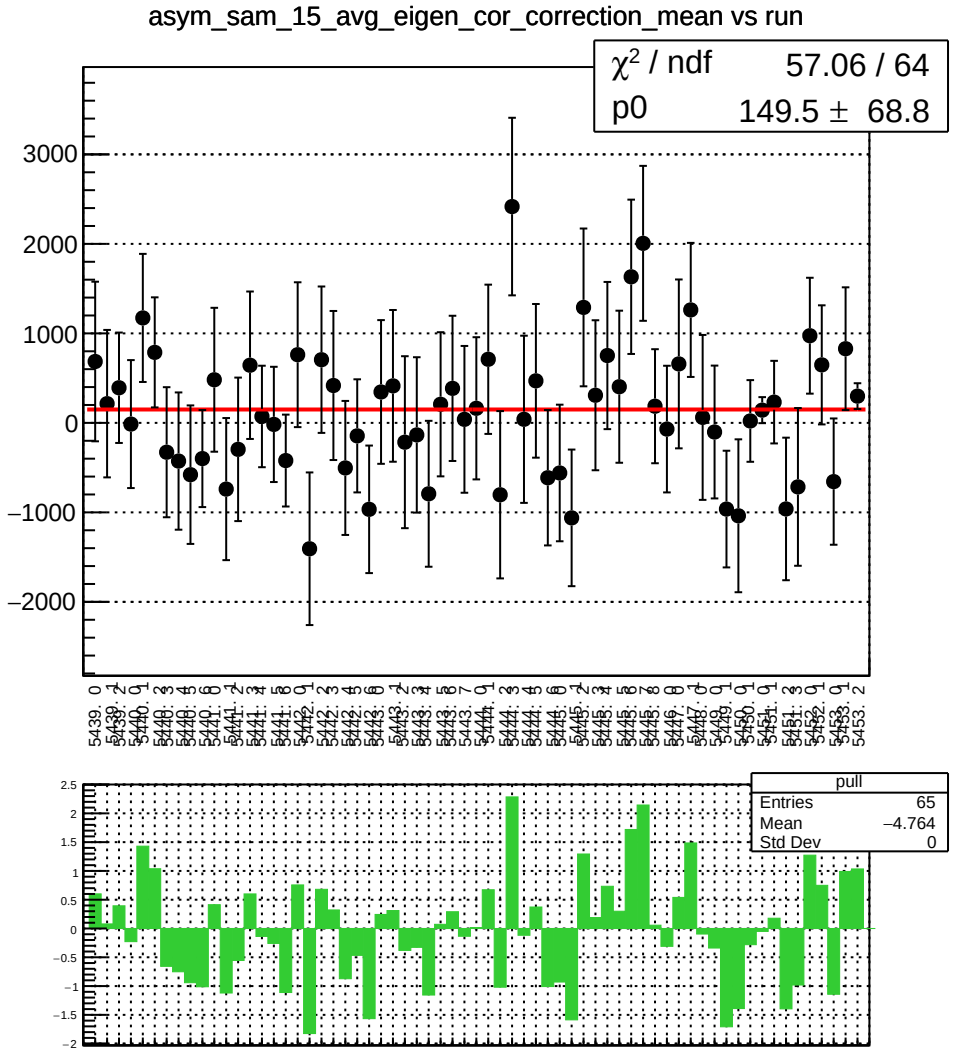

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 57.06 / 64
p0 149.5 ± 68.8
pull
Entries 65
Mean −4.764
Std Dev 0

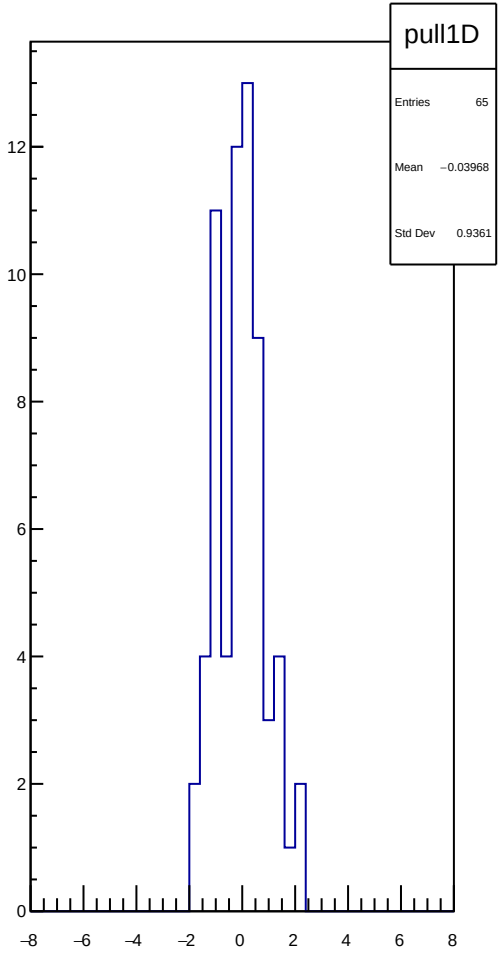

pull1D
Entries 65
Mean −0.03968
Std Dev 0.9361

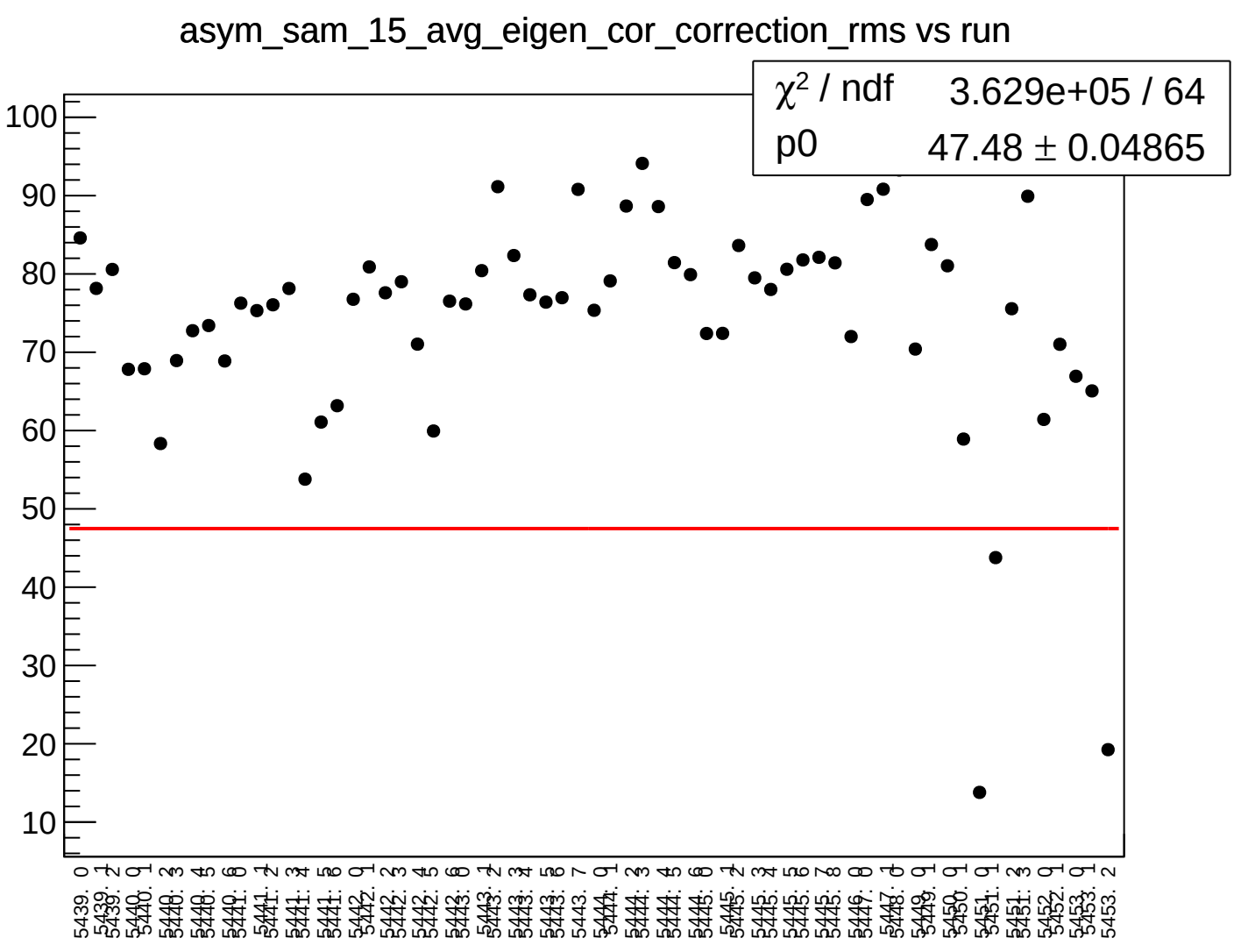

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 3.629e+05 / 64
p0 47.48 ± 0.04865
100
90
80
70
60
50
40
30
20
10

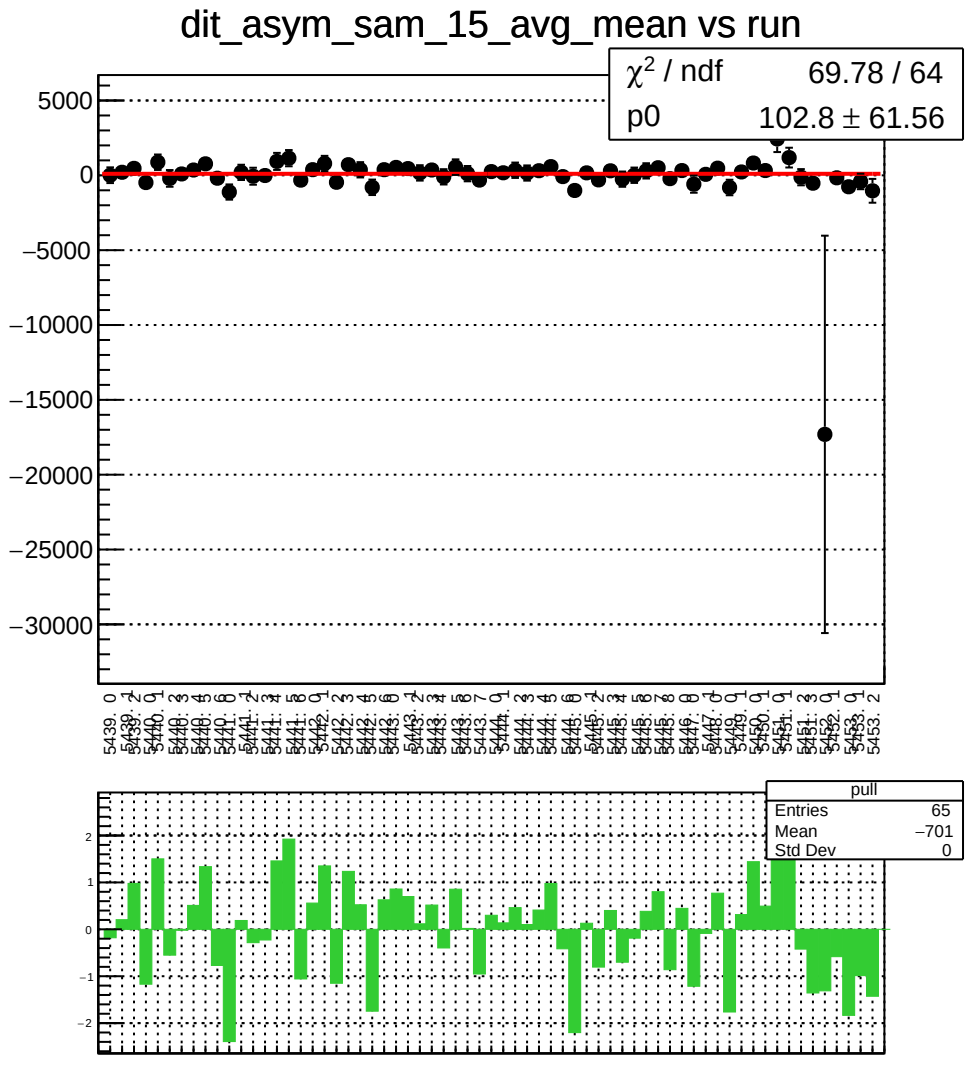

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 61.74 / 64
p0 93.28 ± 50.52
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 65
Mean 598.9
Std Dev 0
pull1D
Entries 65
Mean −0.006201
Std Dev 0.9746

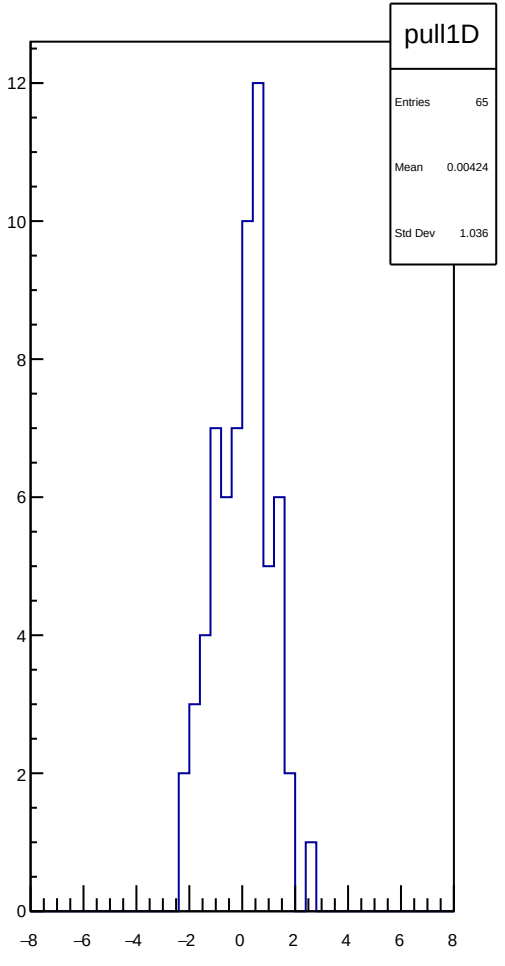

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.966e+04 / 64
p0 40.66 ± 0.03572
1200
1000
800
600
400
200

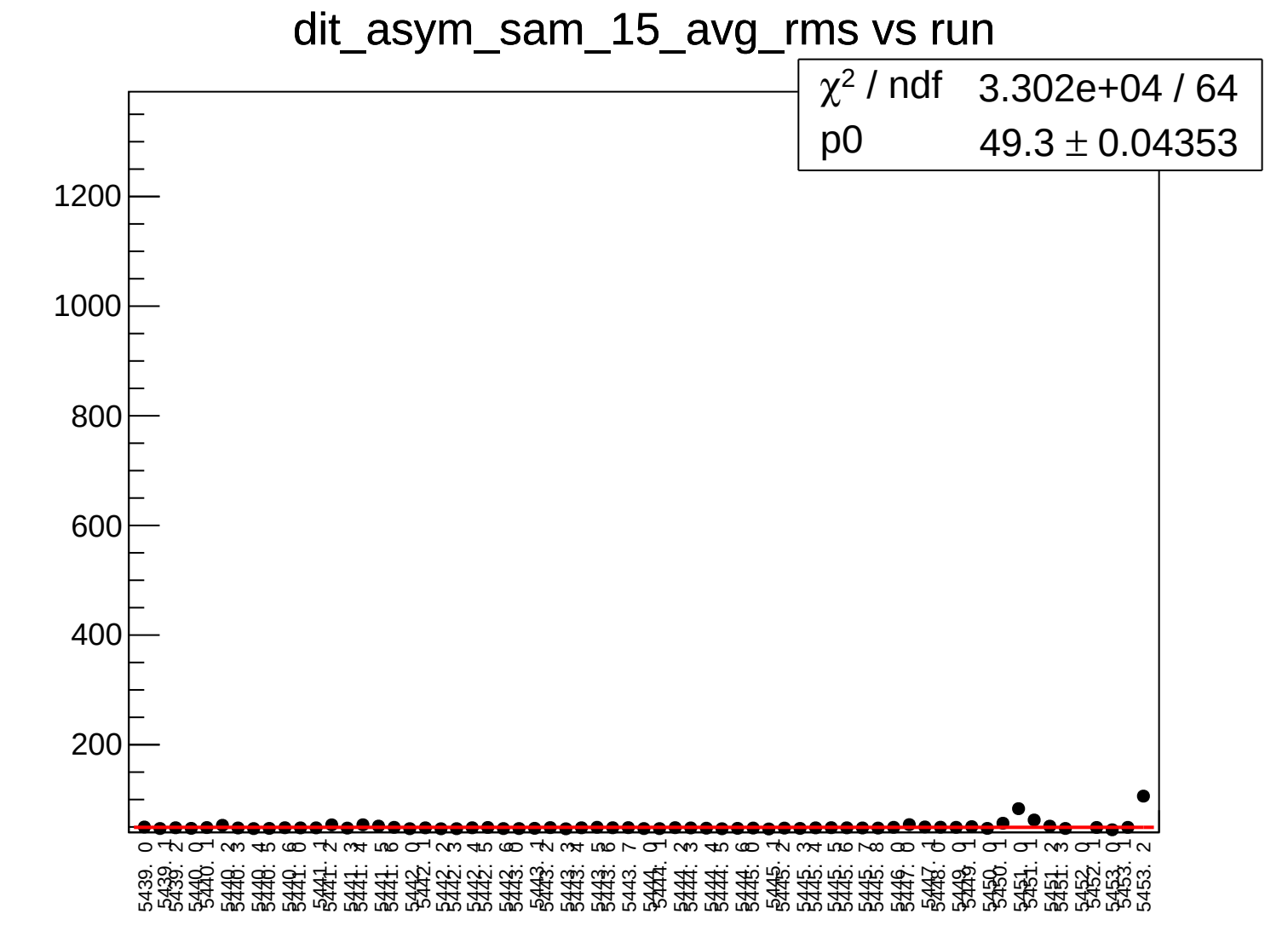

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 57.06 / 64
p0 149.5 ± 68.8
pull
Entries 65
Mean −4.764
Std Dev 0

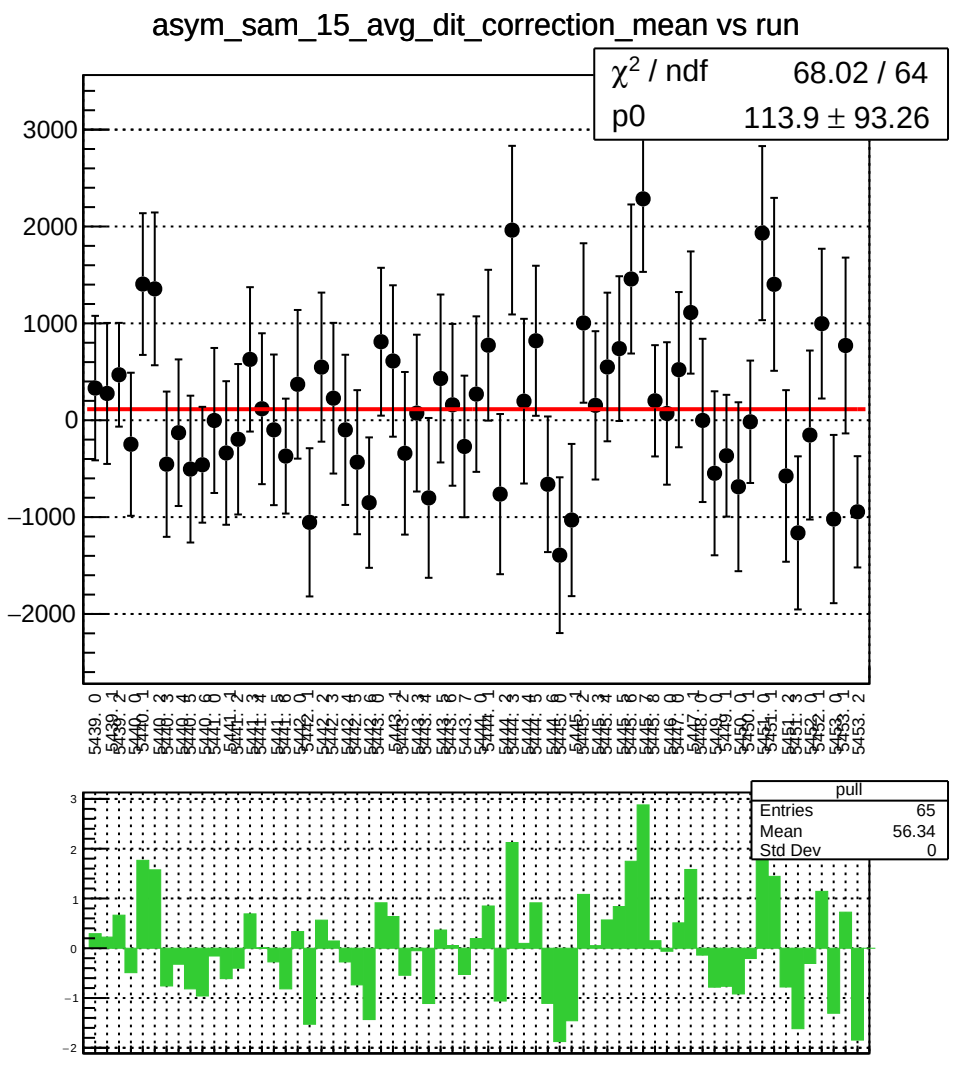

pull1D
Entries 65
Mean −0.03968
Std Dev 0.9361

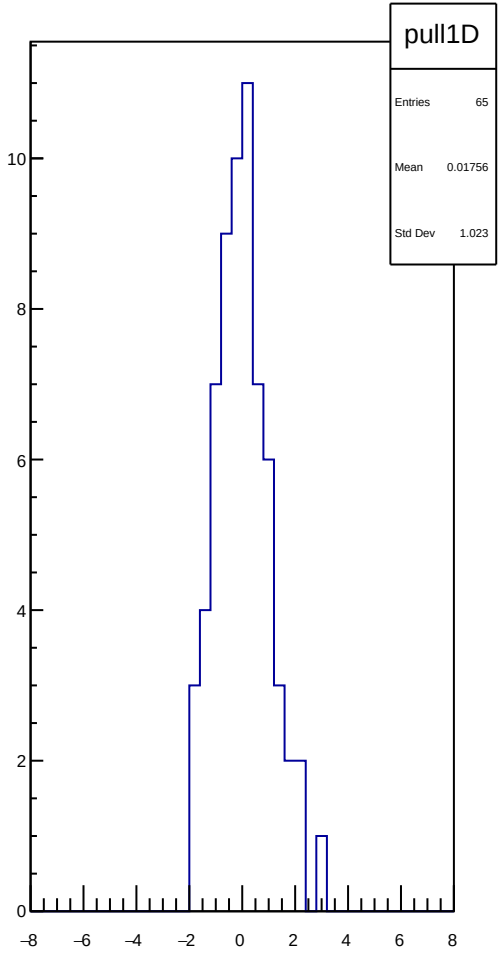

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 3.629e+05 / 64
p0 47.48 ± 0.04865
100
90
80
70
60
50
40
30
20
10

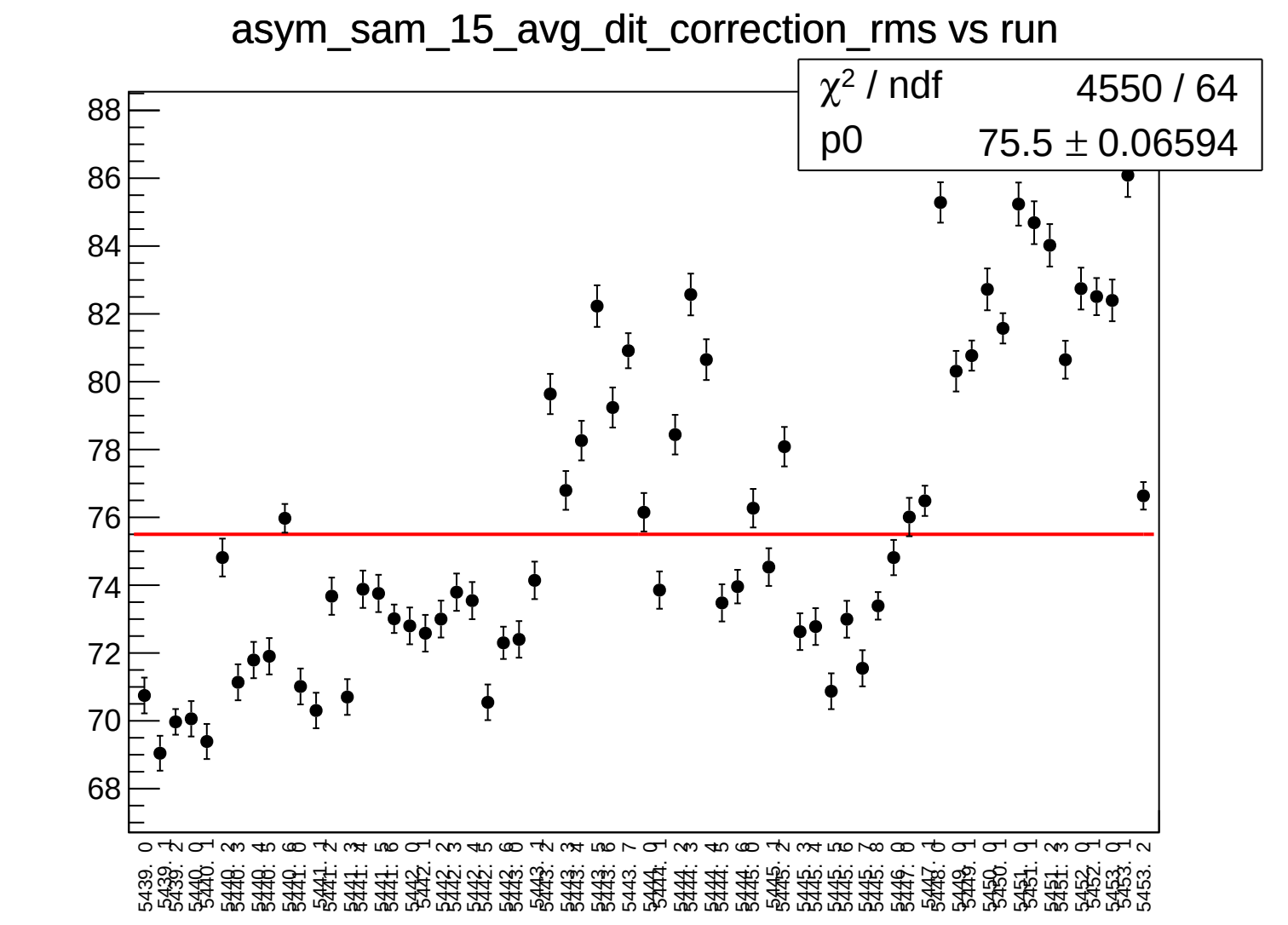

dit_asym_sam_15_avg_mean vs run
χ² / ndf 69.78 / 64
p0 102.8 ± 61.56
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 65
Mean −701
Std Dev 0
2
1
0
−1
−2

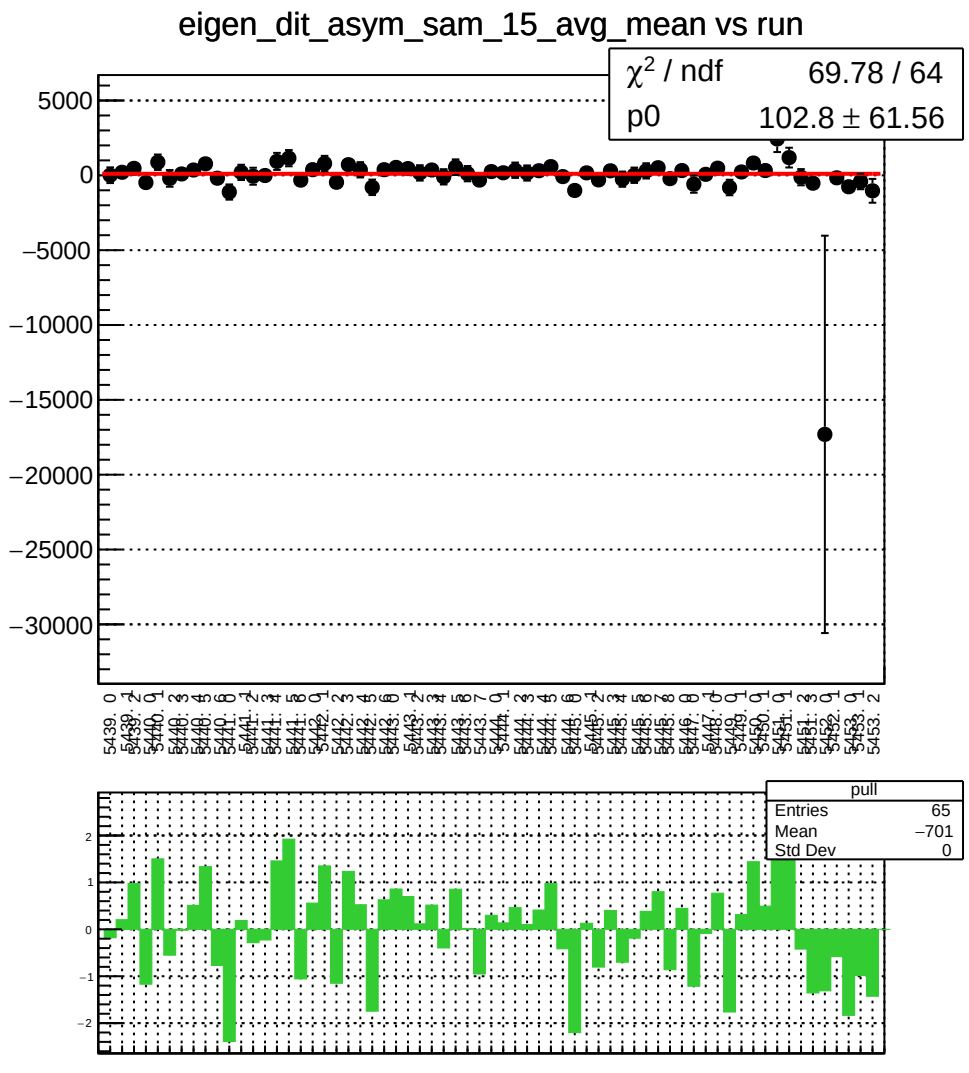

pull1D
Entries 65
Mean 0.00424
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

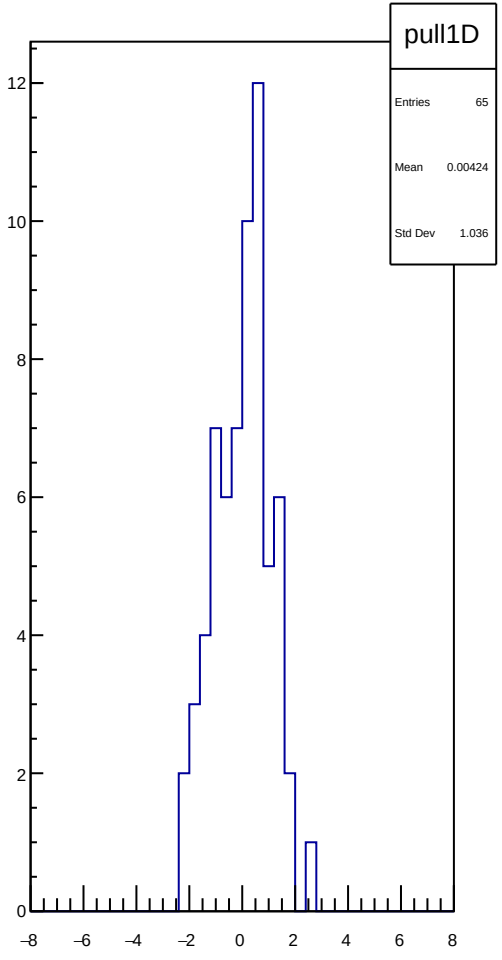

dit_asym_sam_15_avg_rms vs run
χ² / ndf 3.302e+04 / 64
p0 49.3 ± 0.04353
1200
1000
800
600
400
200

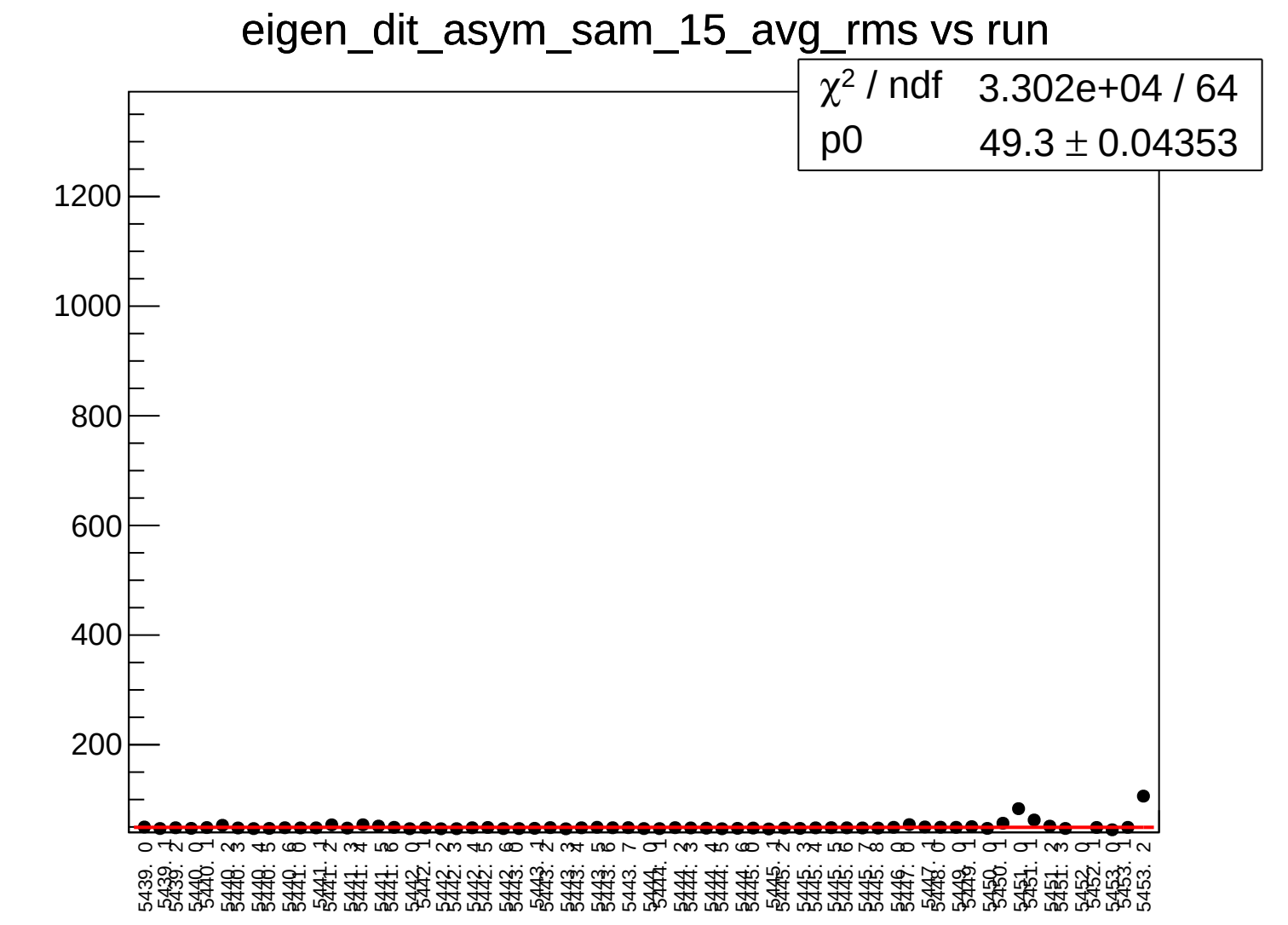

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 68.02 / 64
p0 113.9 ± 93.26
pull
Entries 65
Mean 56.34
Std Dev 0

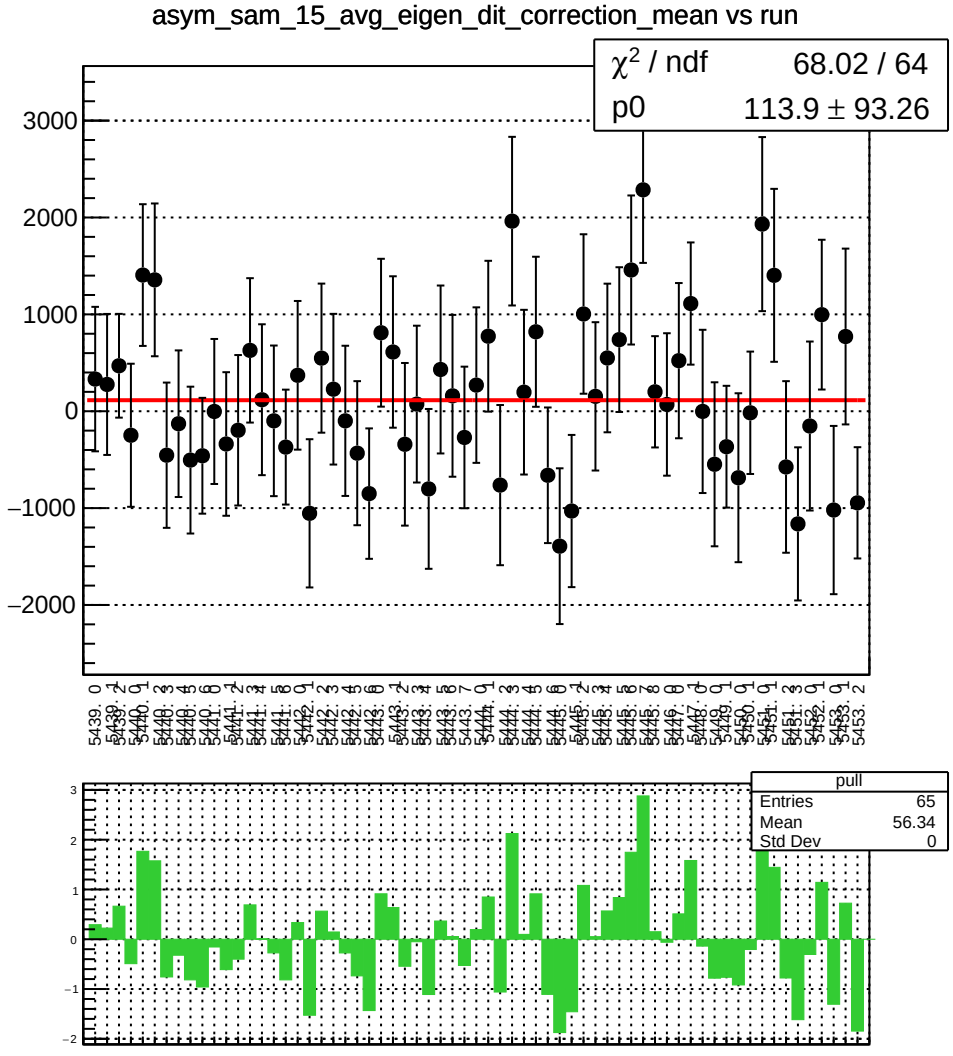

pull1D
Entries 65
Mean 0.01756
Std Dev 1.023

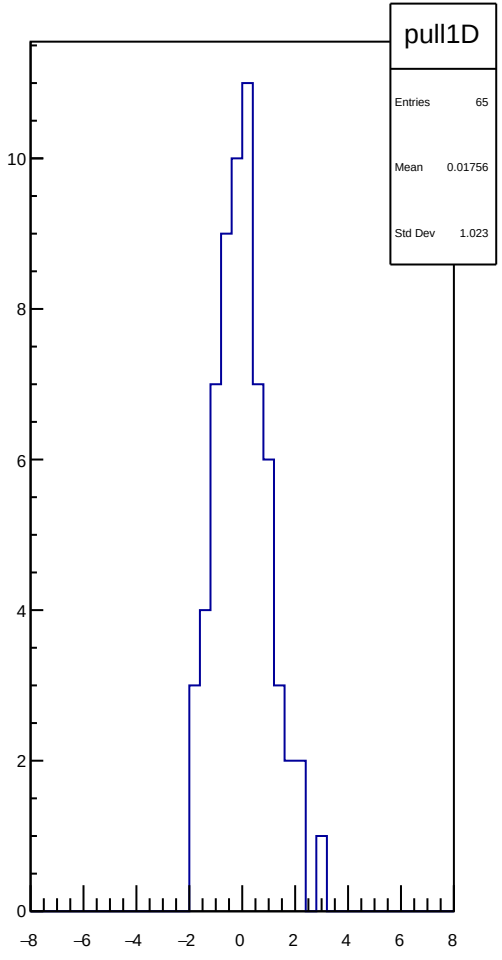

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 4550 / 64
p0 75.5 ± 0.06594
88
86
84
82
80
78
76
74
72
70
68

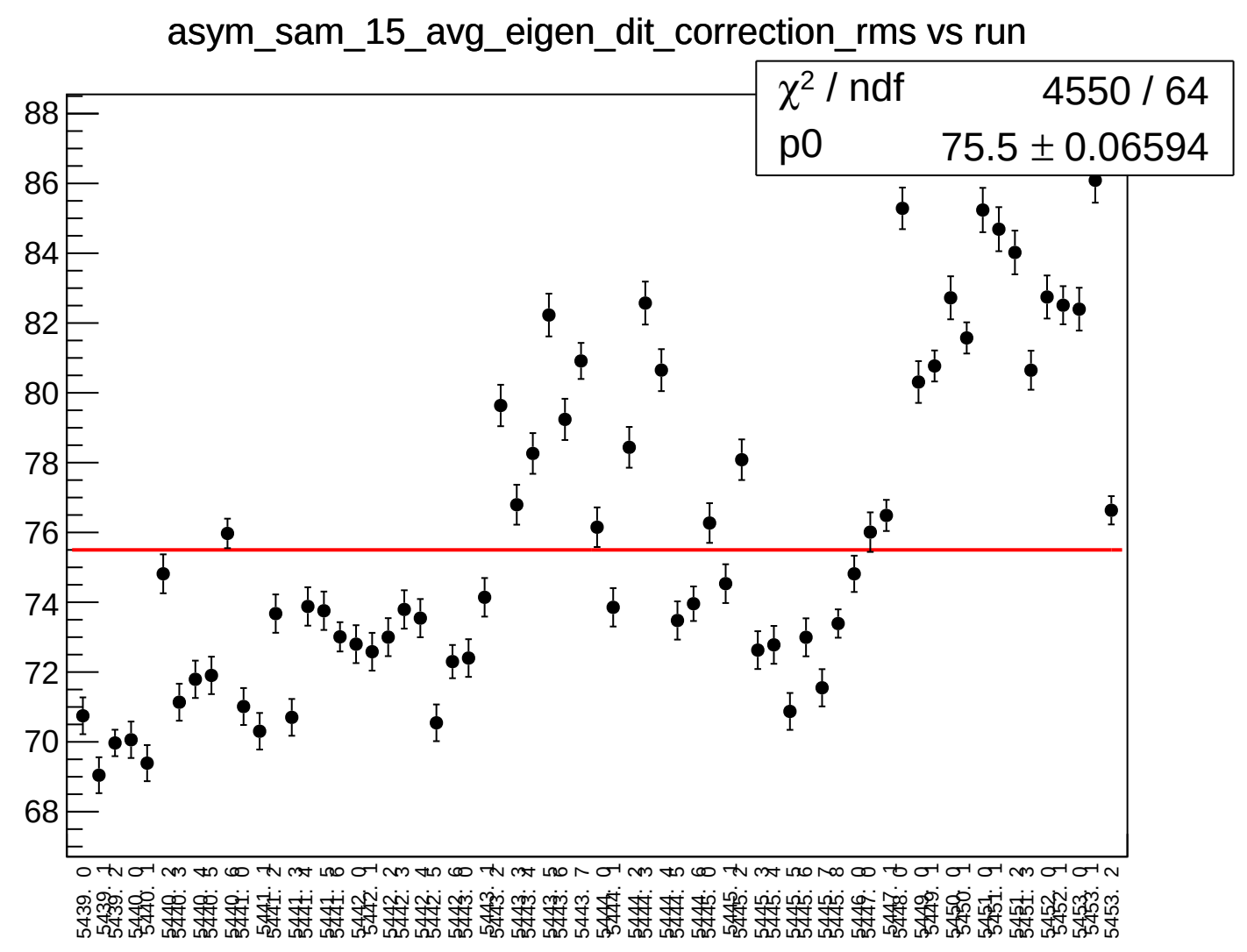

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 69.78 / 64
p0 102.8 ± 61.56
pull
Entries 65
Mean −701
Std Dev 0

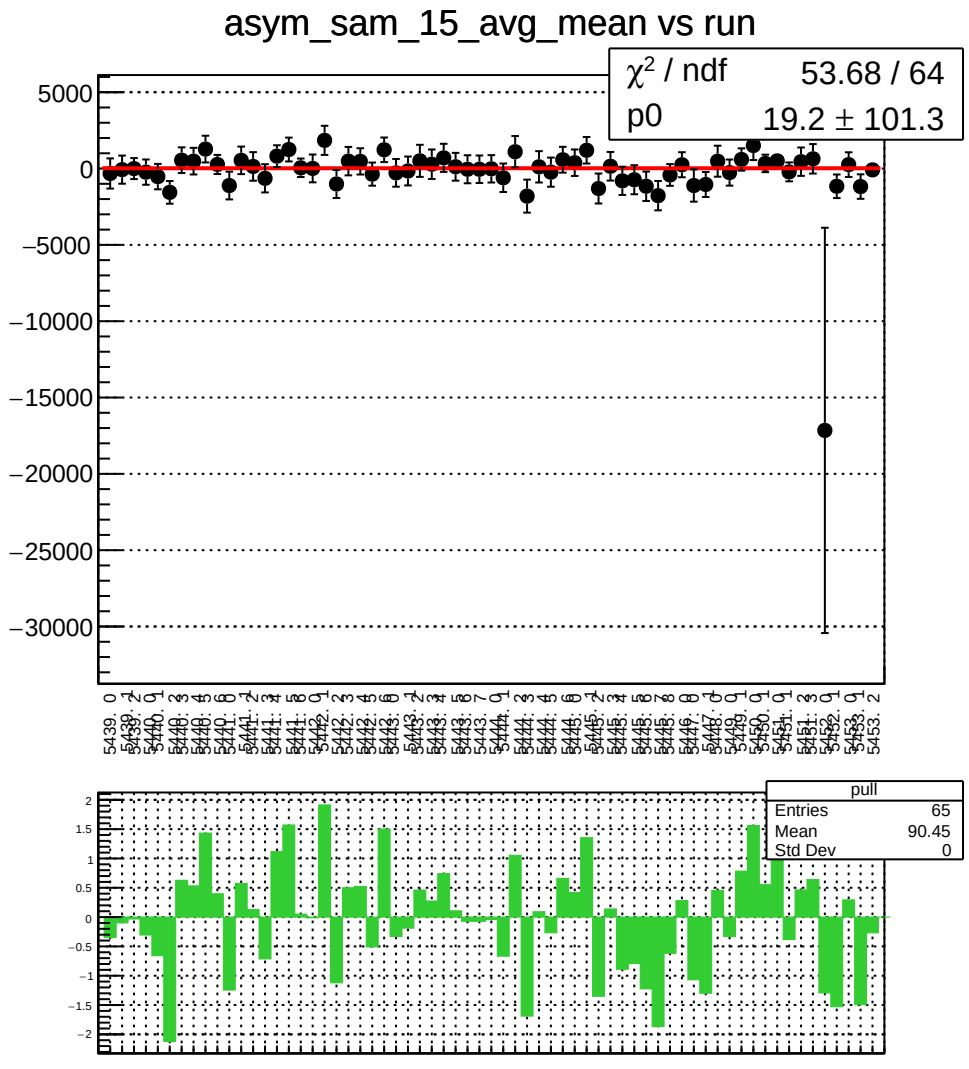

pull1D
Entries 65
Mean 0.00424
Std Dev 1.036

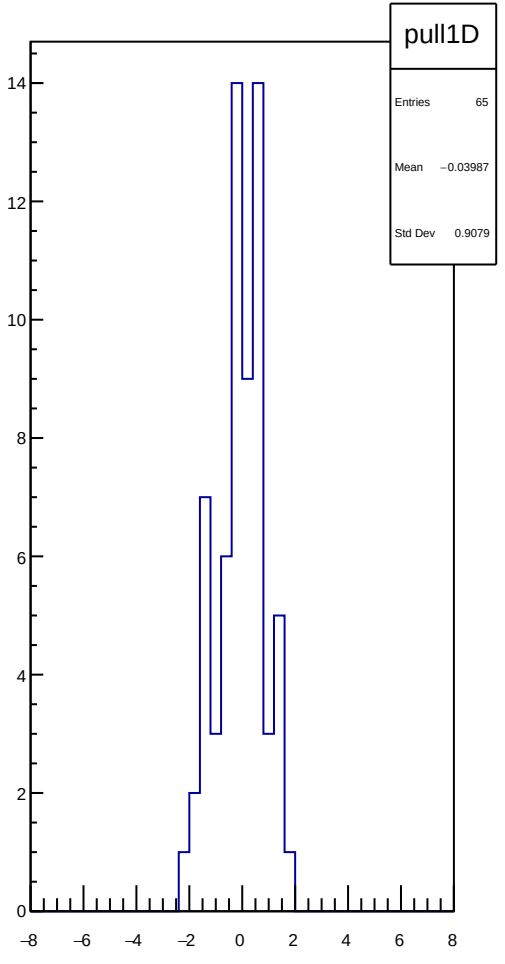

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 3.302e+04 / 64
p0 49.3 ± 0.04353
1200
1000
800
600
400
200

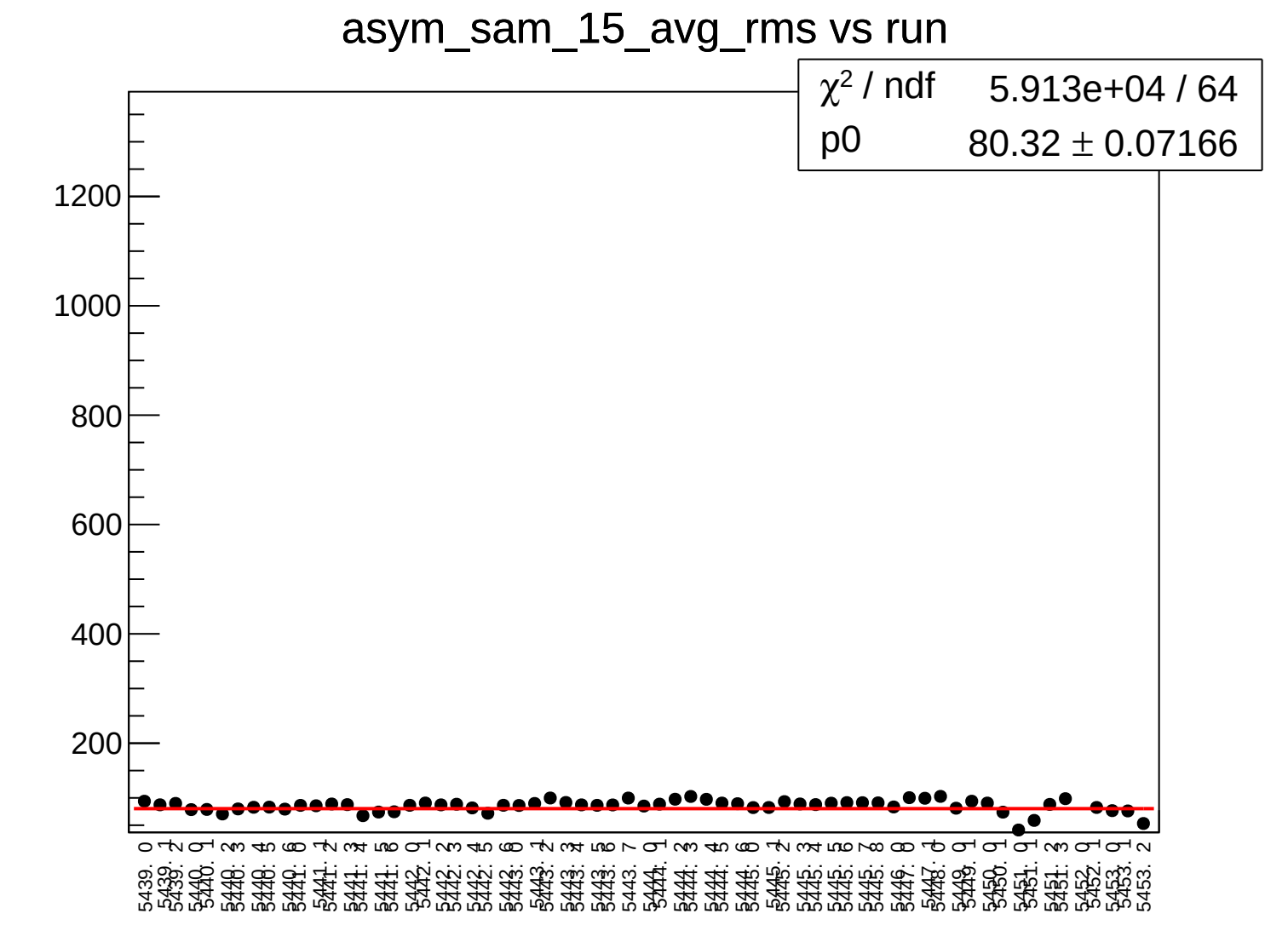

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 68.02 / 64
p0 113.9 ± 93.26
pull
Entries 65
Mean 56.34
Std Dev 0

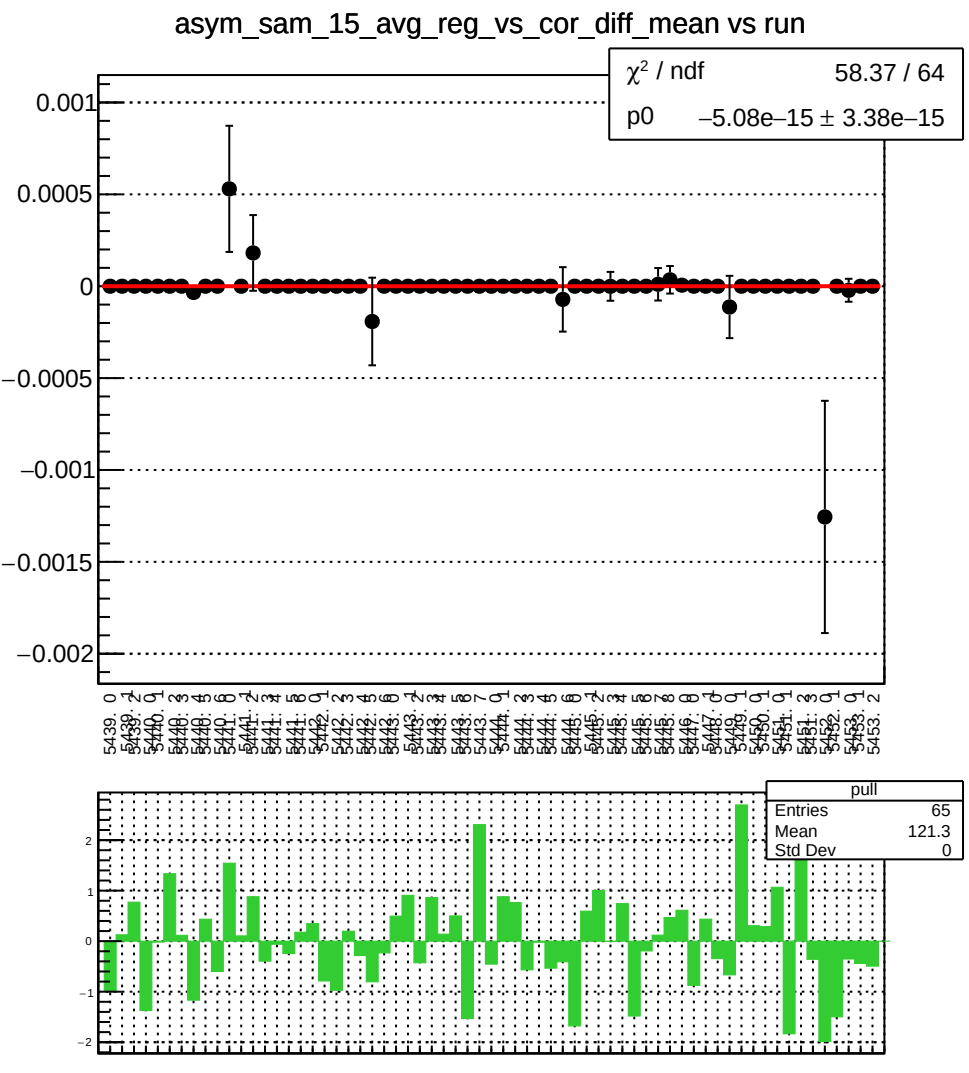

pull1D
Entries 65
Mean 0.01756
Std Dev 1.023

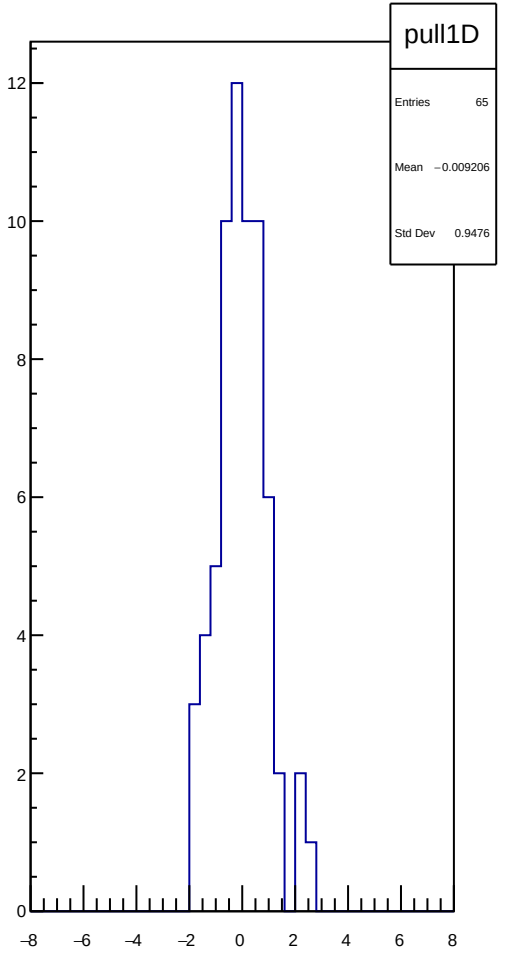

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 4550 / 64
p0 75.5 ± 0.06594
88
86
84
82
80
78
76
74
72
70
68

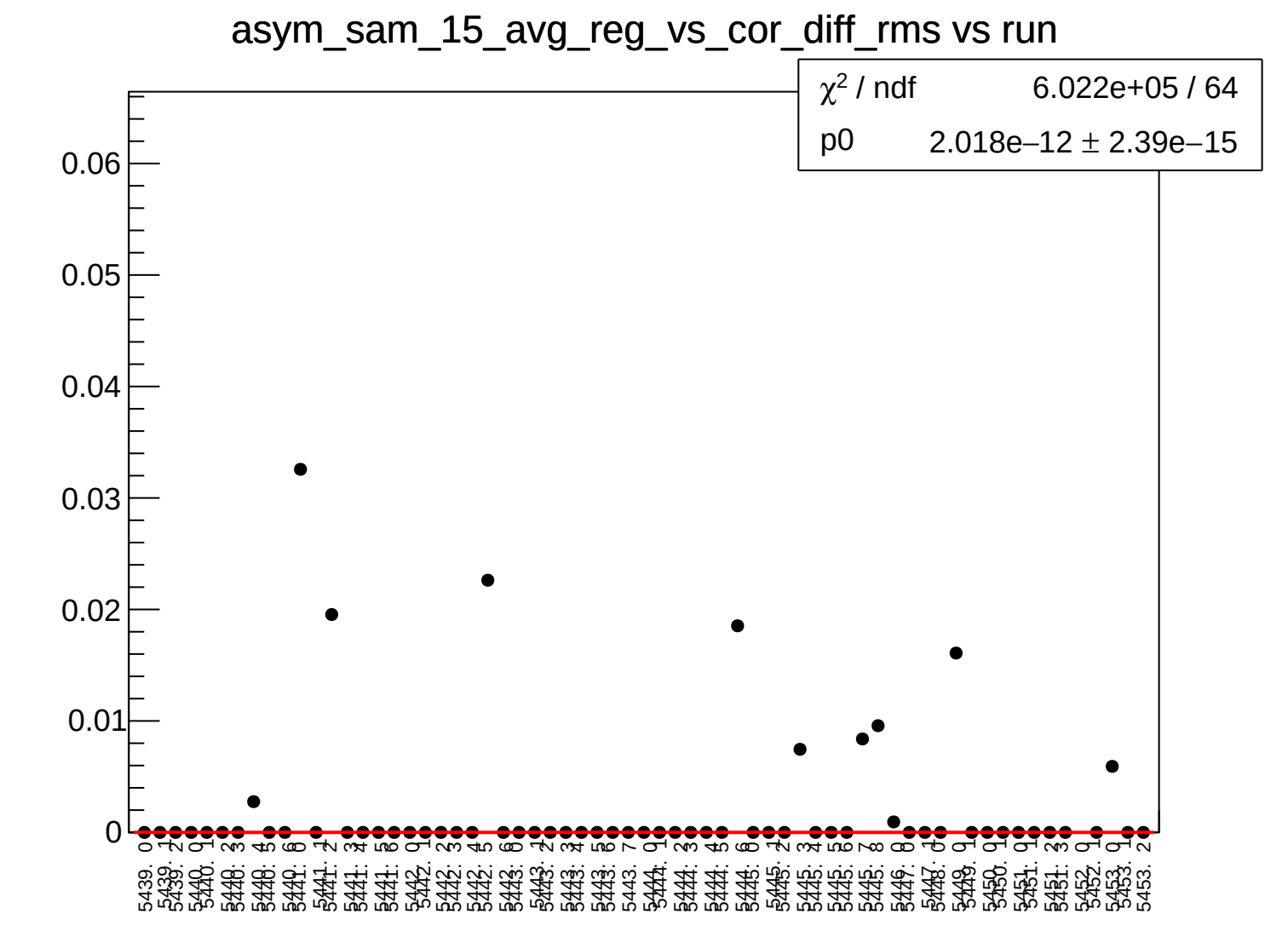

asym_sam_15_avg_mean vs run
χ² / ndf 53.68 / 64
p0 19.2 ± 101.3
pull
Entries 65
Mean 90.45
Std Dev 0

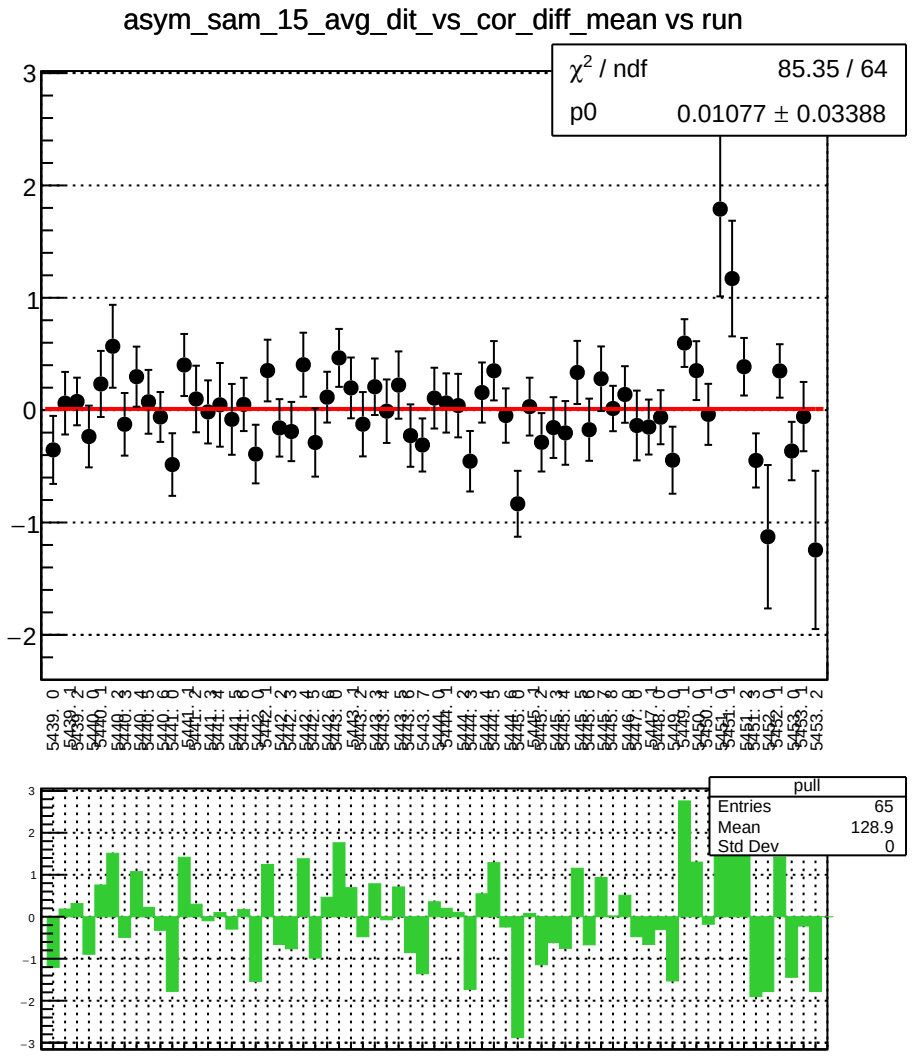

pull1D
Entries 65
Mean −0.03987
Std Dev 0.9079

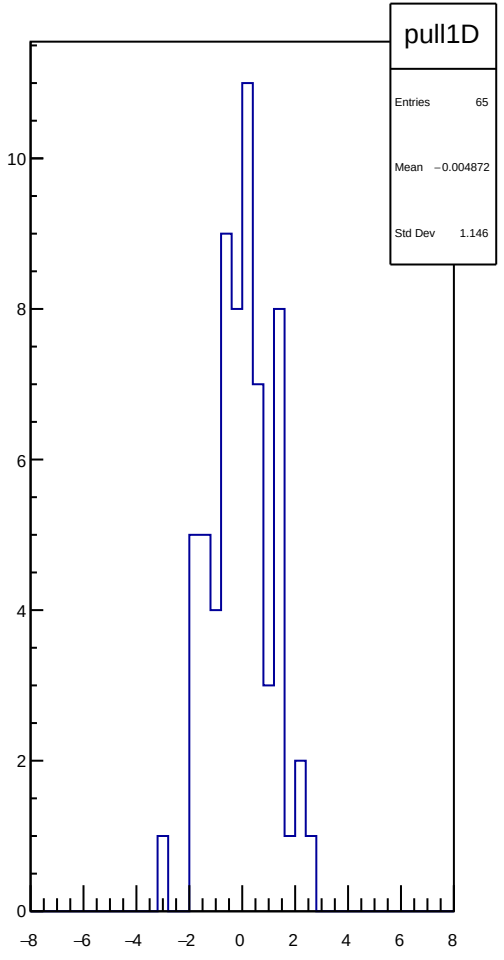

asym_sam_15_avg_rms vs run
χ^2 / ndf 5.913e+04 / 64
p0 80.32 ± 0.07166
1200
1000
800
600
400
200

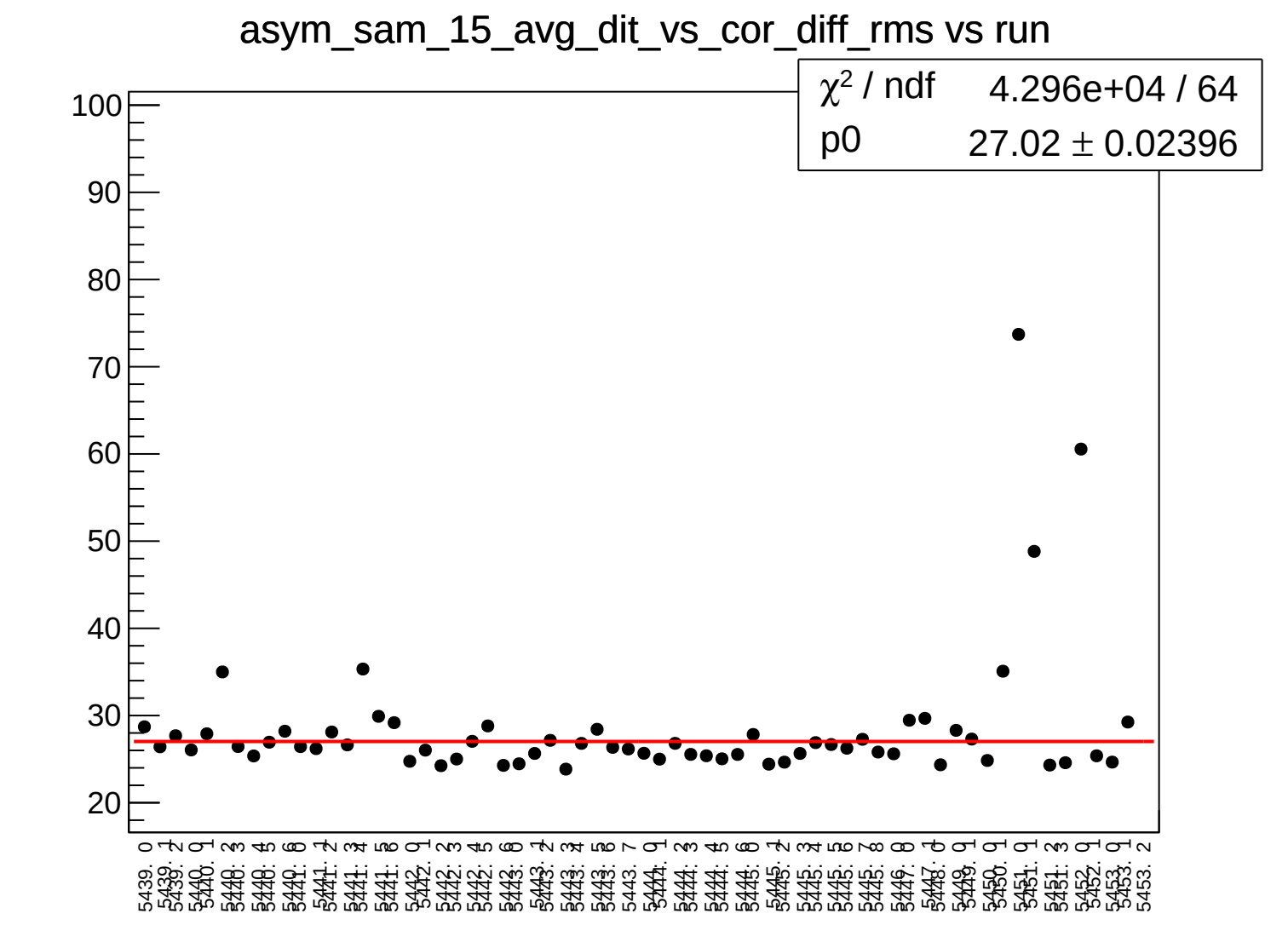

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.37 / 64
p0 −5.08e−15 ± 3.38e−15
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 65
Mean 121.3
Std Dev 0

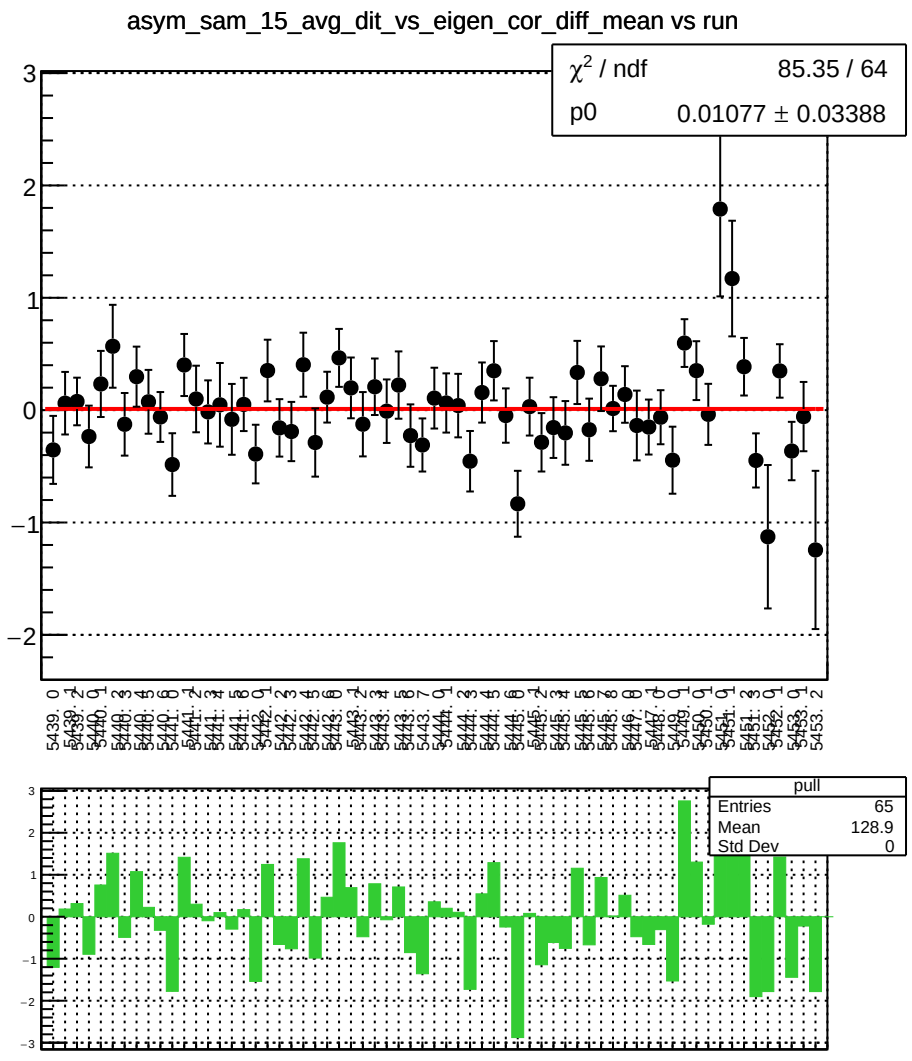

pull1D
Entries 65
Mean −0.009206
Std Dev 0.9476
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

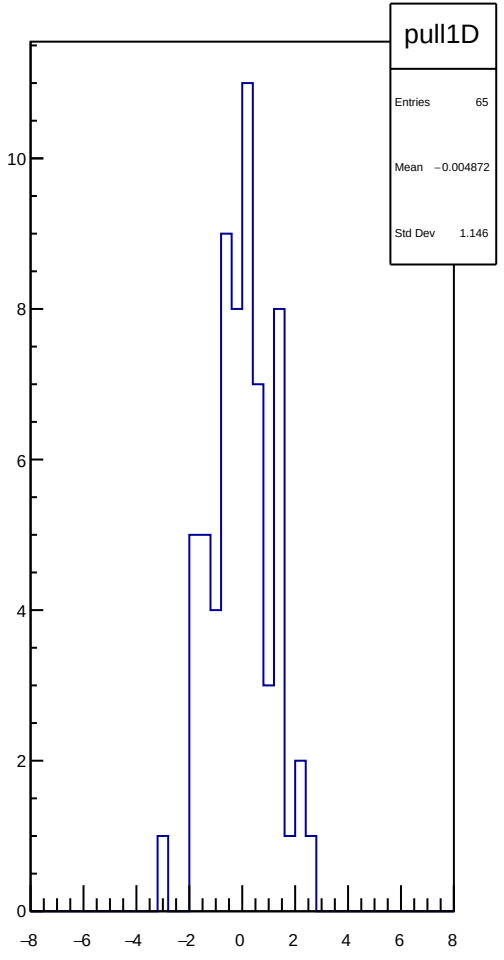

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.022e+05 / 64
p0 2.018e−12 ± 2.39e−15
0.06
0.05
0.04
0.03
0.02
0.01
0

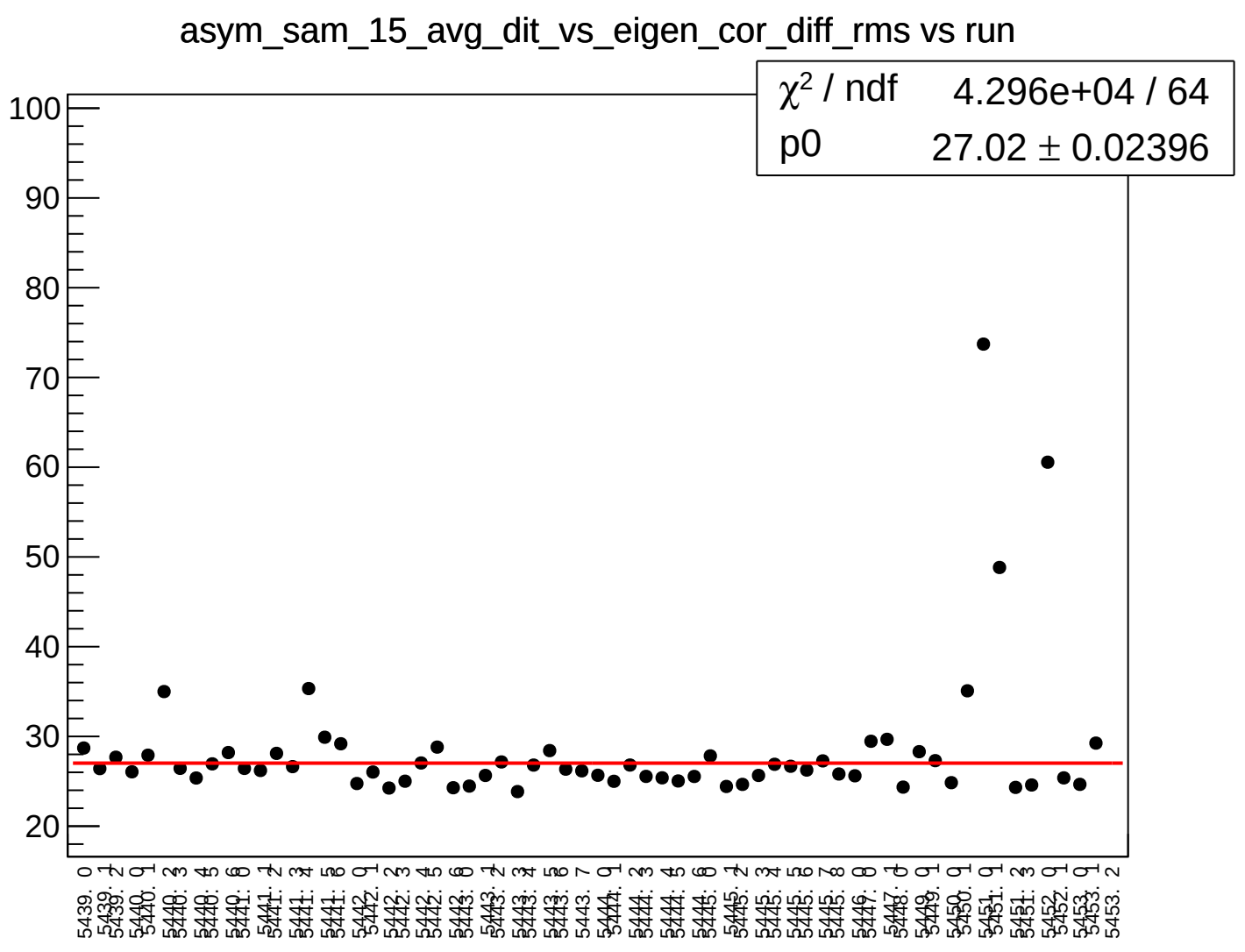

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.35 / 64
p0 0.01077 ± 0.03388
pull
Entries 65
Mean 128.9
Std Dev 0

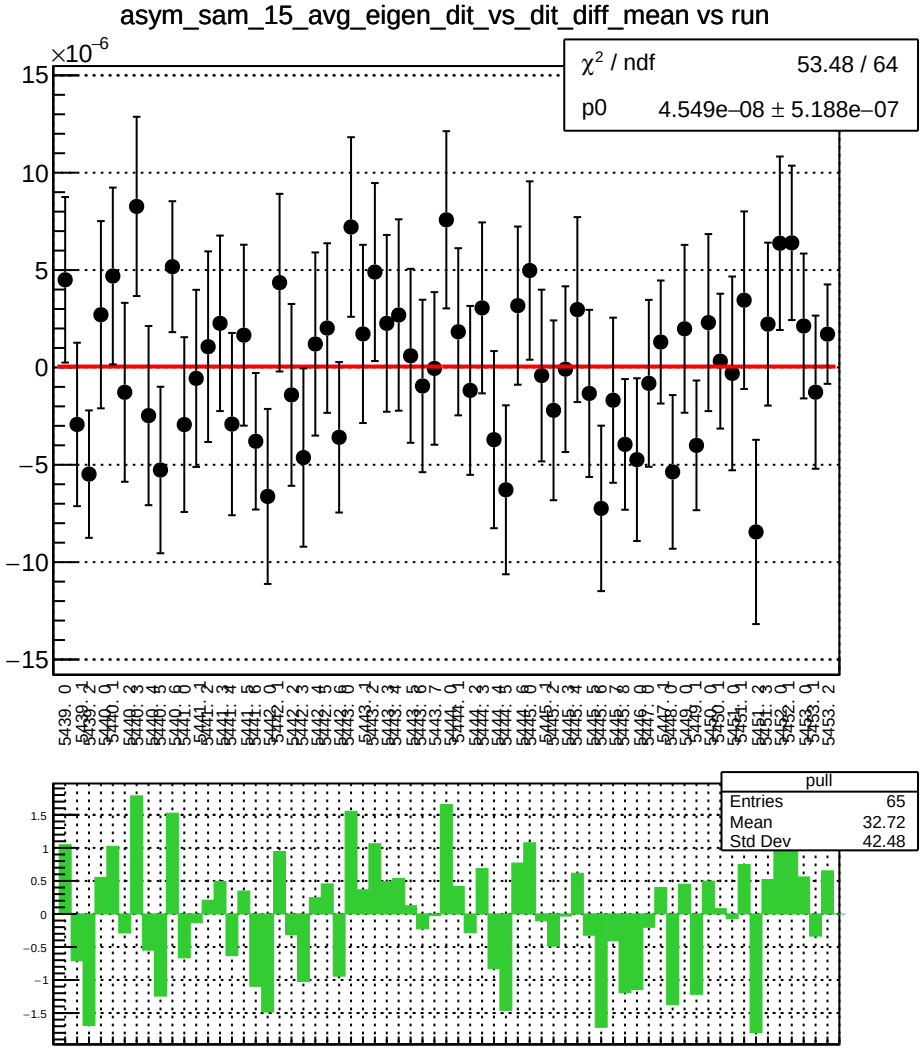

pull1D
Entries 65
Mean −0.004872
Std Dev 1.146

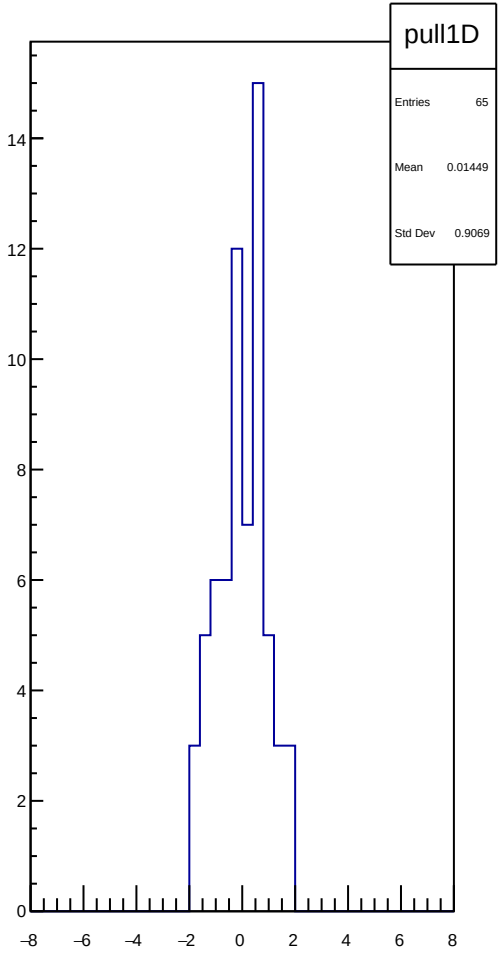

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.296e+04 / 64
p0 27.02 ± 0.02396
100
90
80
70
60
50
40
30
20

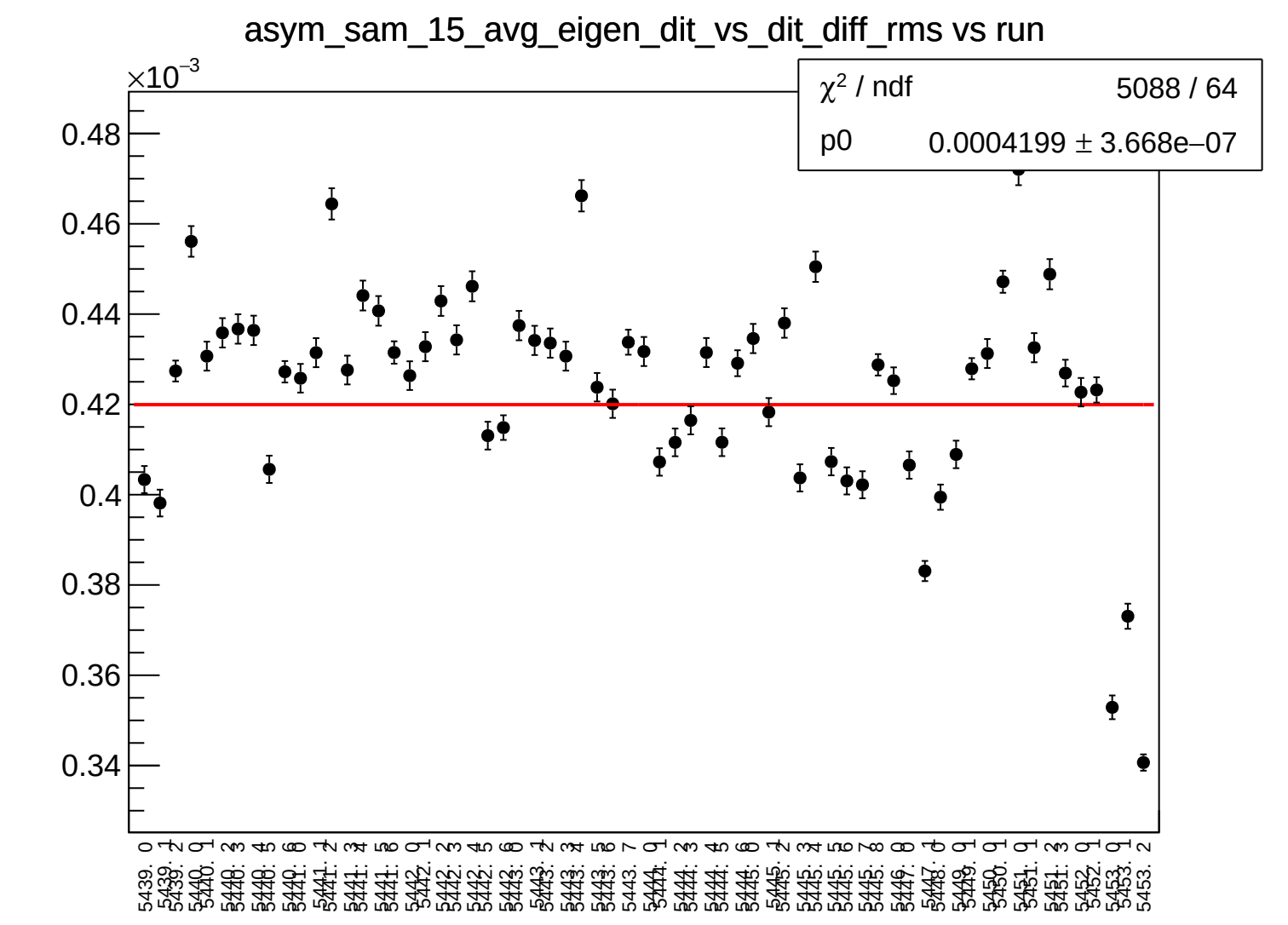

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.35 / 64
p0 0.01077 ± 0.03388
pull
Entries 65
Mean 128.9
Std Dev 0

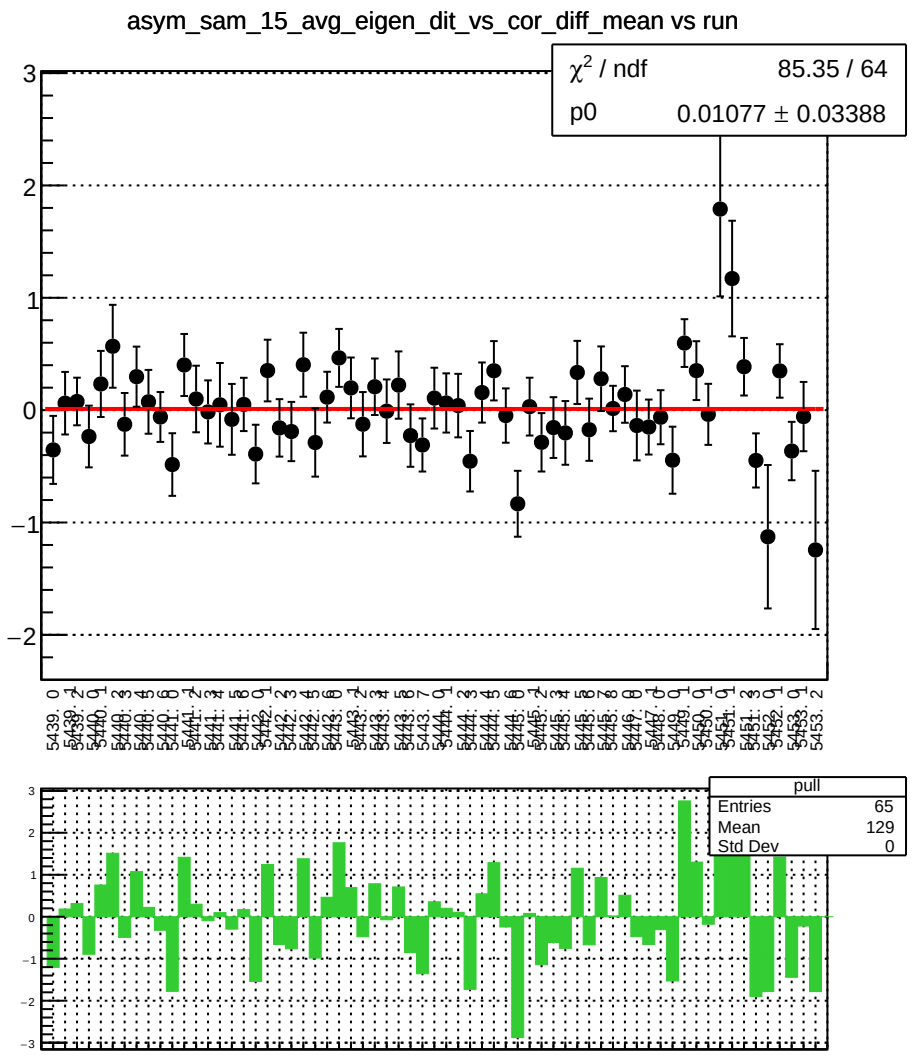

pull1D
Entries 65
Mean −0.004872
Std Dev 1.146

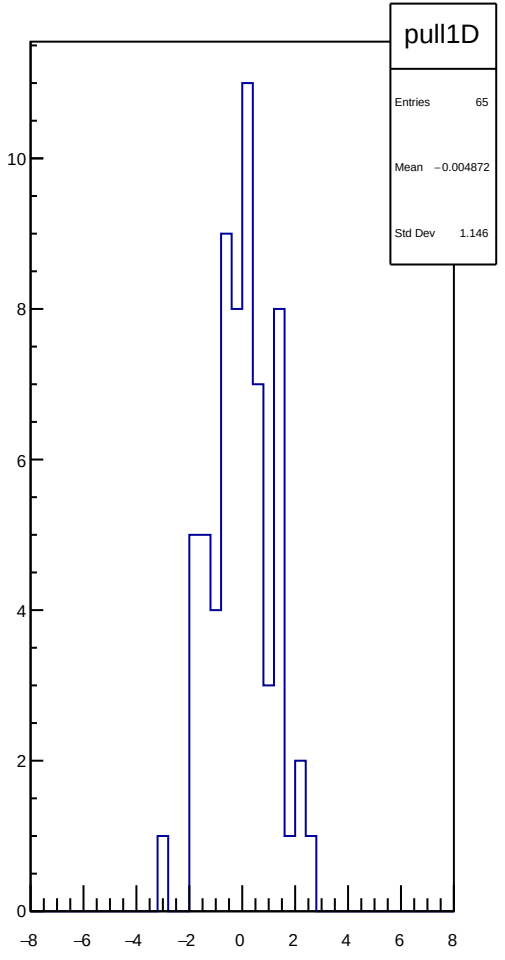

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.296e+04 / 64
p0 27.02 ± 0.02396
100
90
80
70
60
50
40
30
20

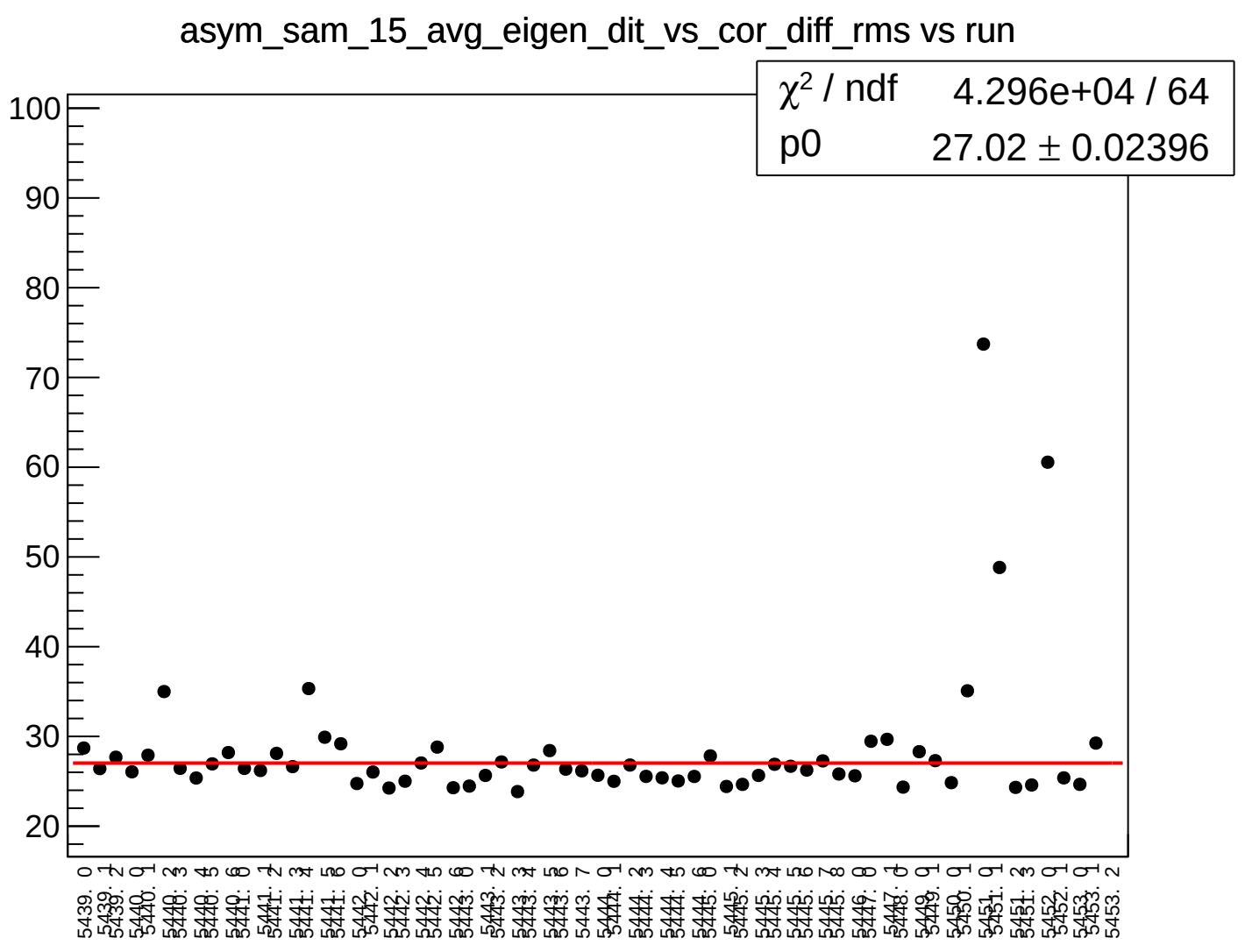

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 53.48 / 64
p0 4.549e−08 ± 5.188e−07
pull
Entries 65
Mean 32.72
Std Dev 42.48

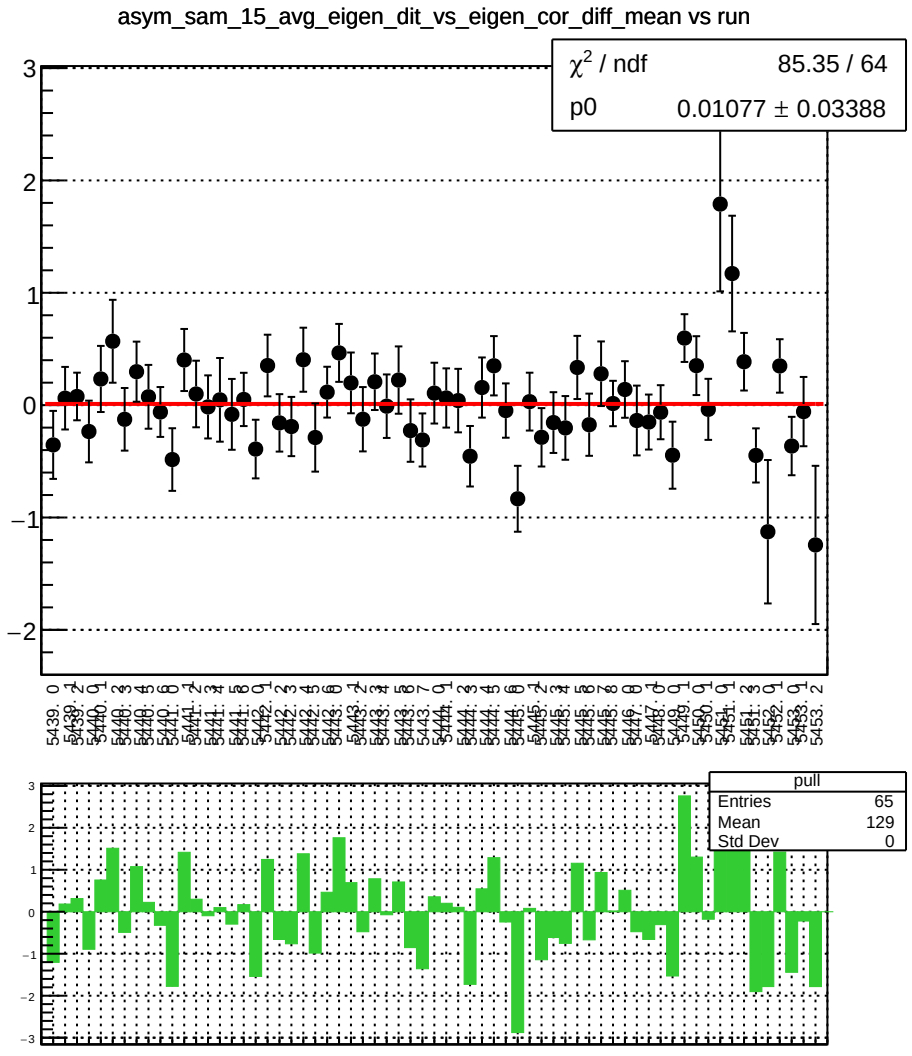

pull1D
Entries 65
Mean 0.01449
Std Dev 0.9069

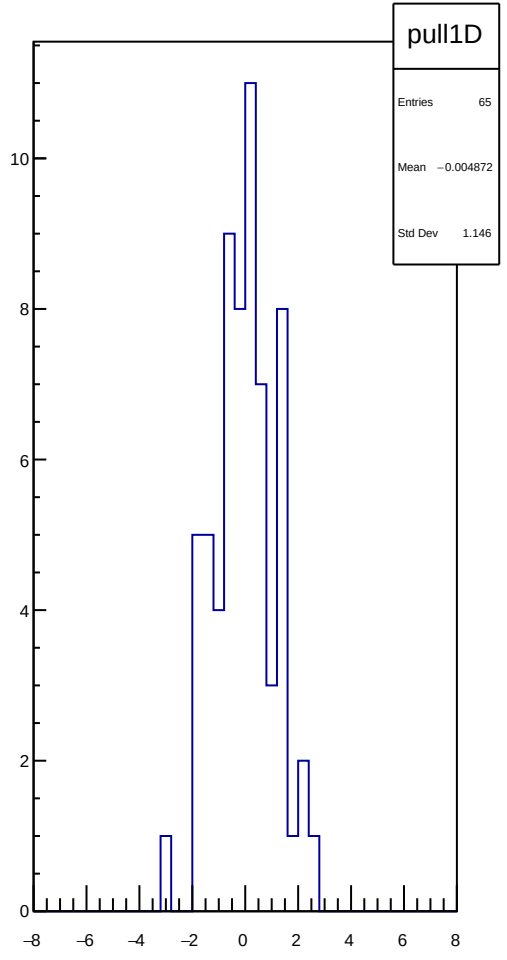

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 5088 / 64
p0 0.0004199 ± 3.668e−07
0.48
0.46
0.44
0.42
0.4
0.38
0.36
0.34

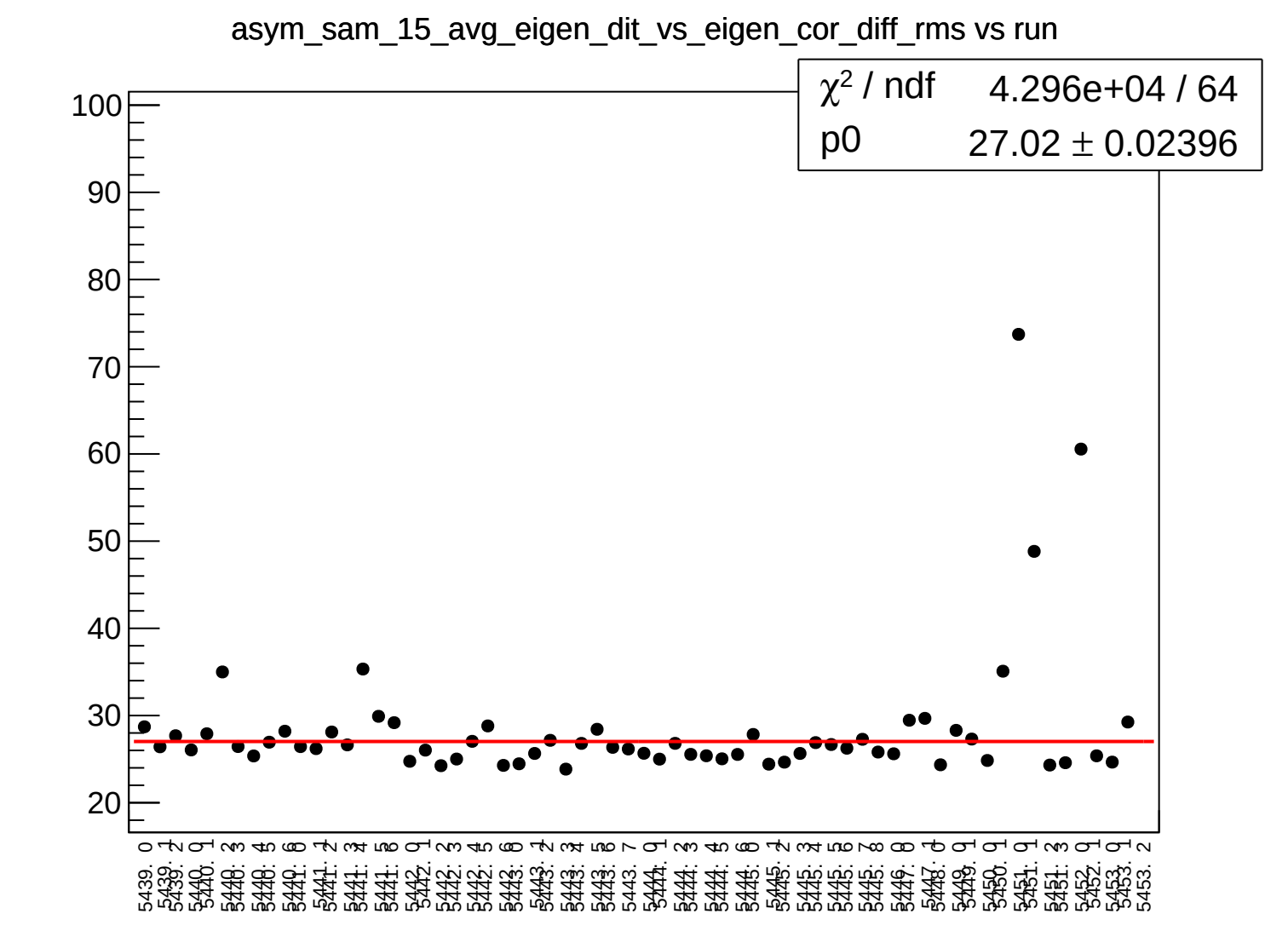

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.35 / 64
p0 0.01077 ± 0.03388
pull
Entries 65
Mean 129
Std Dev 0

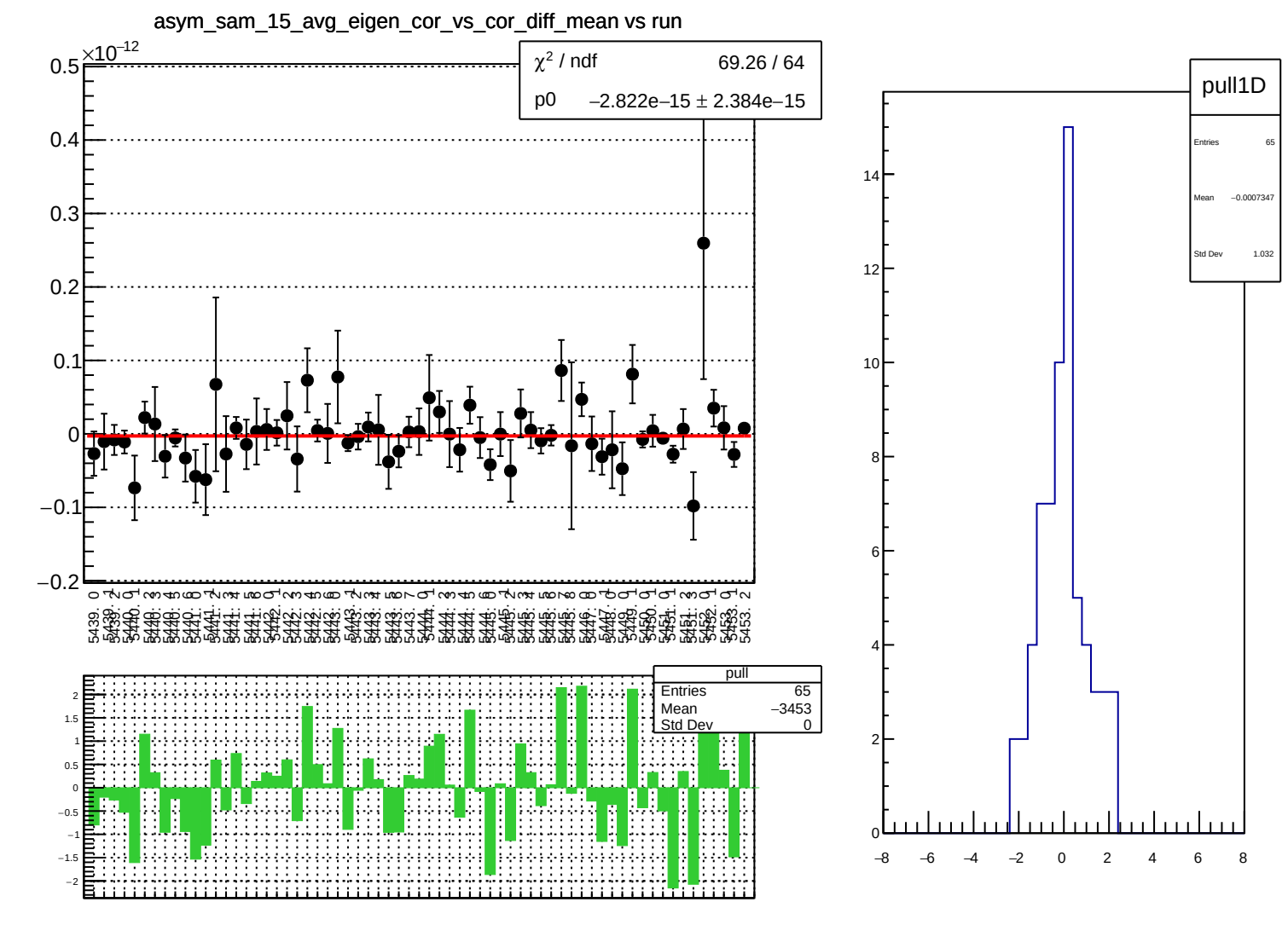

pull1D
Entries 65
Mean −0.004872
Std Dev 1.146

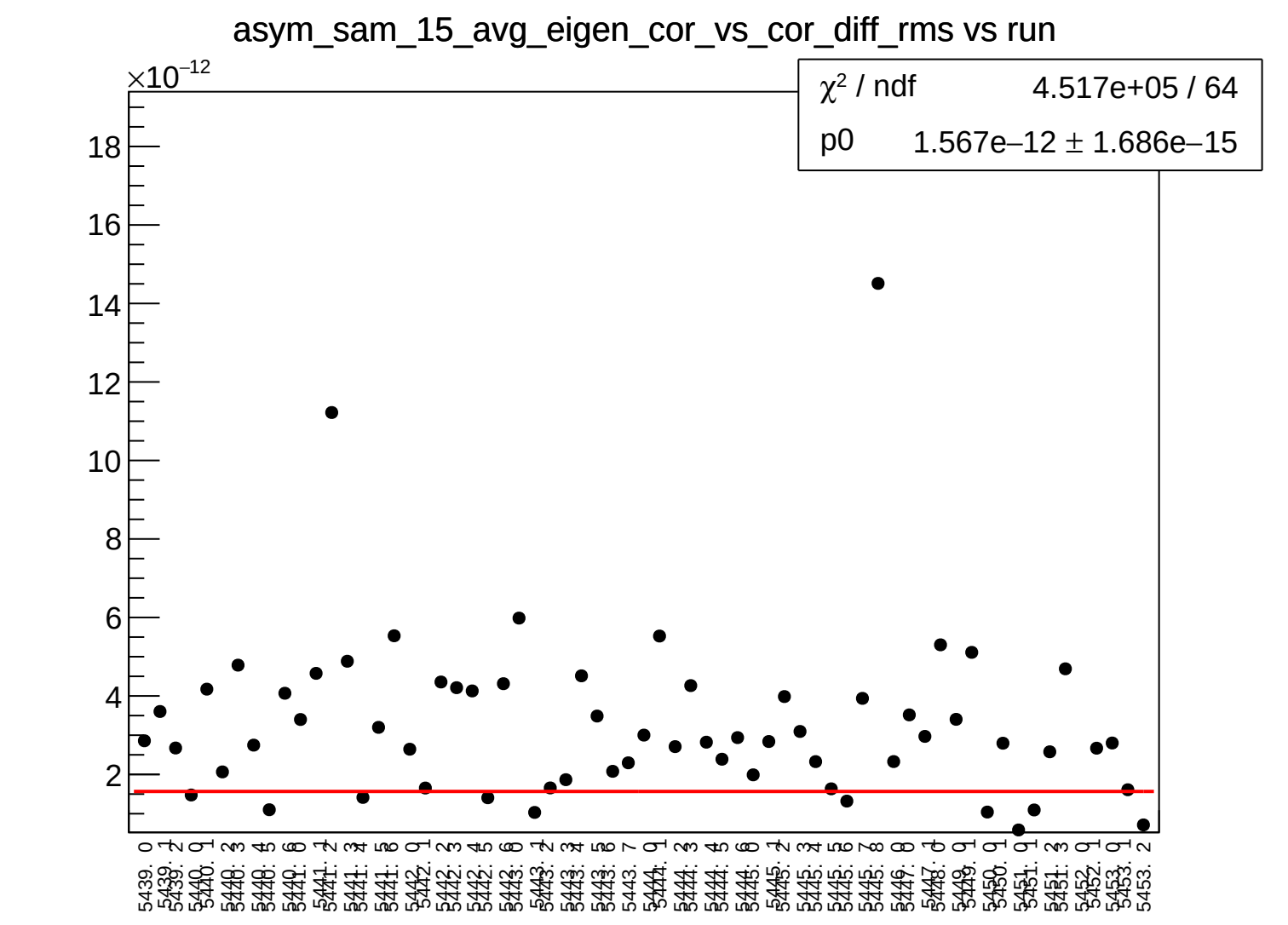

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.296e+04 / 64
p0 27.02 ± 0.02396
100
90
80
70
60
50
40
30
20

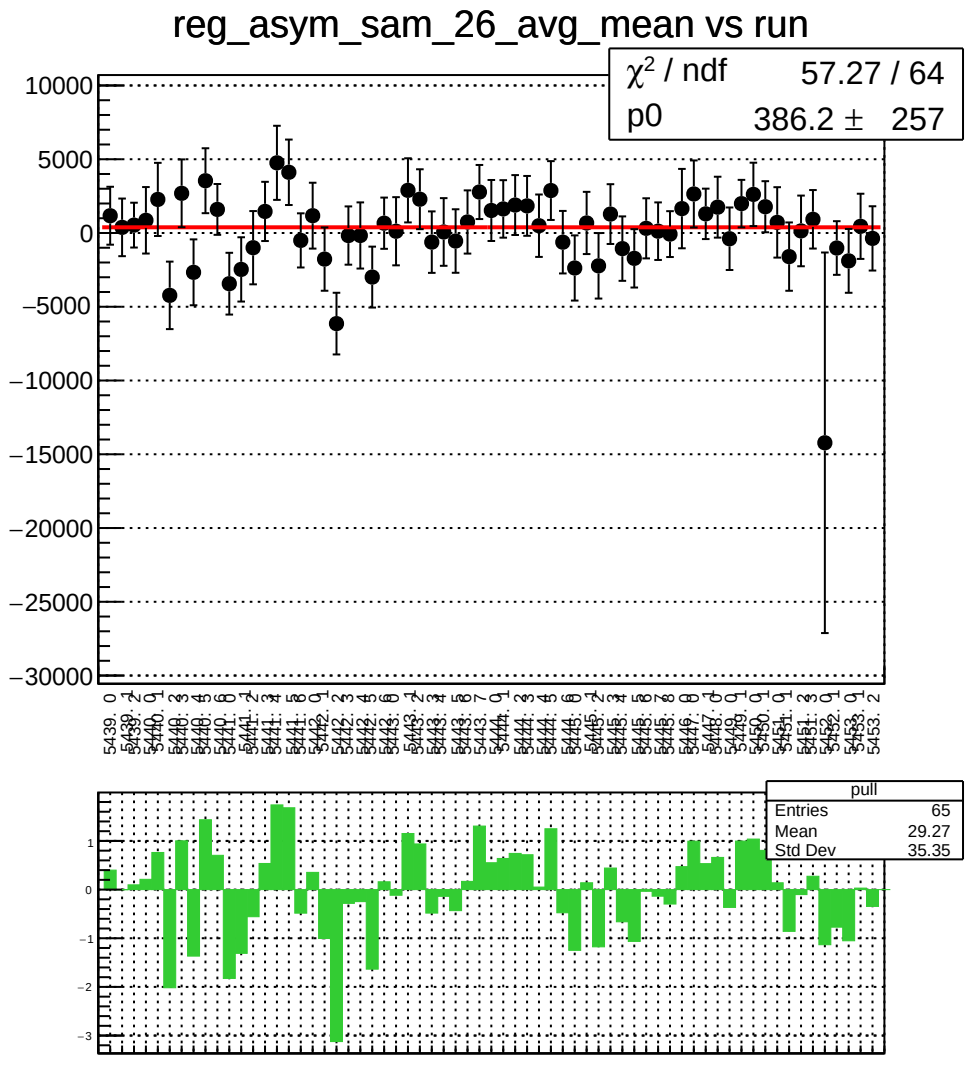

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.35 / 64
p0 0.01077 ± 0.03388
pull
Entries 65
Mean 129
Std Dev 0

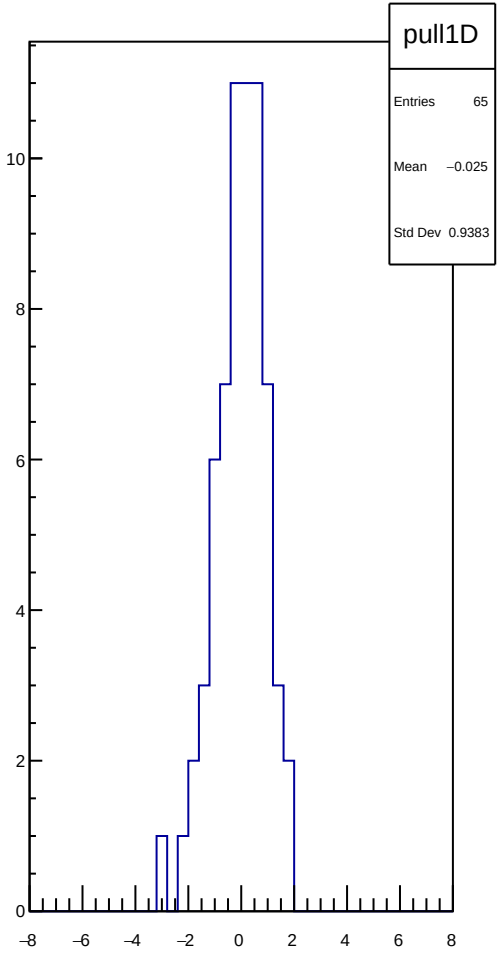

pull1D
Entries 65
Mean −0.004872
Std Dev 1.146

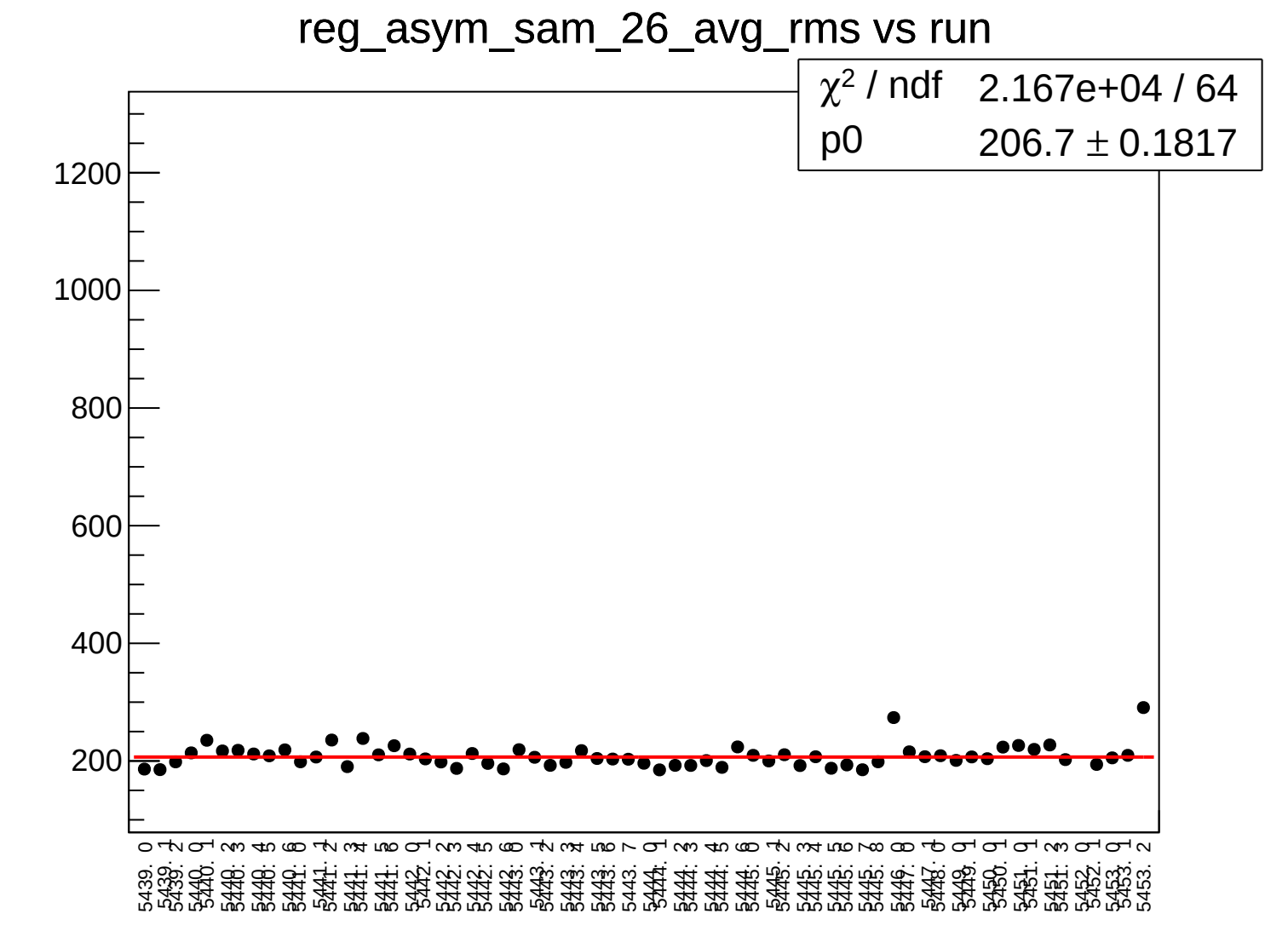

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.296e+04 / 64
p0 27.02 ± 0.02396
100
90
80
70
60
50
40
30
20

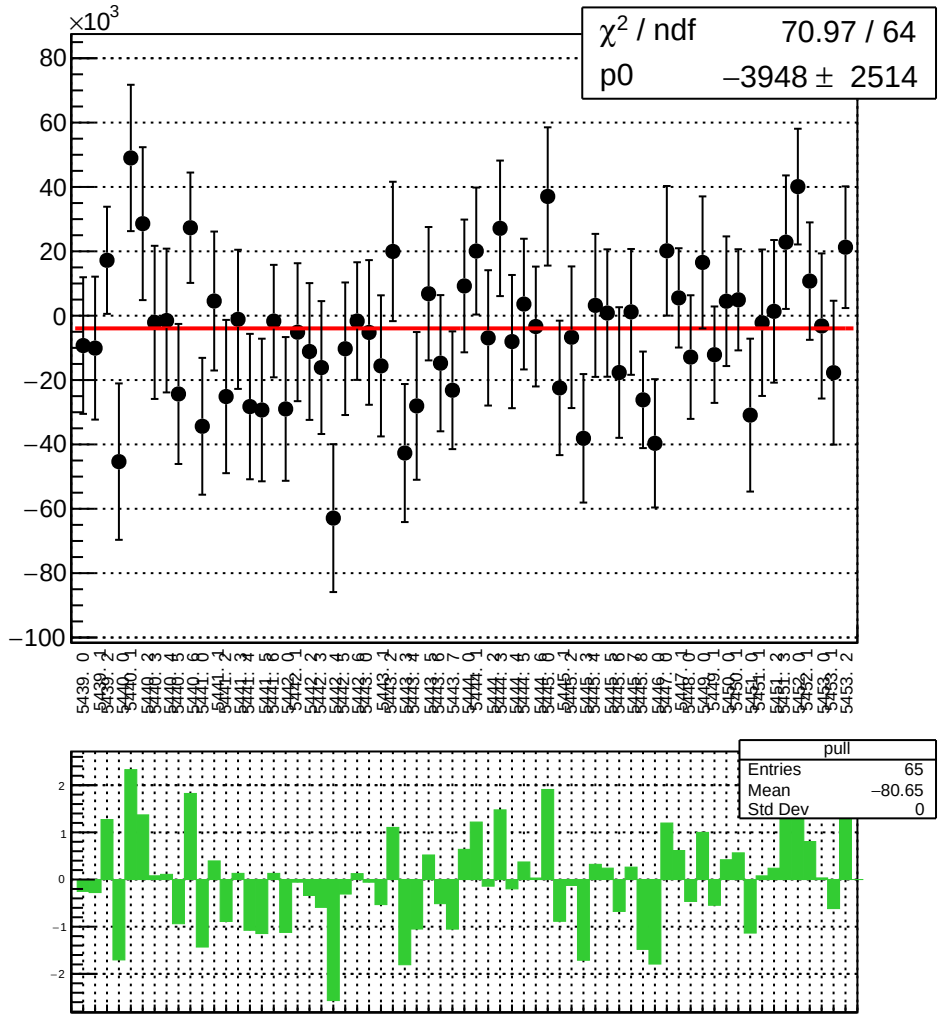

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.26 / 64
p0 −2.822e−15 ± 2.384e−15
pull
Entries 65
Mean −3453
Std Dev 0
pull1D
Entries 65
Mean −0.0007347
Std Dev 1.032

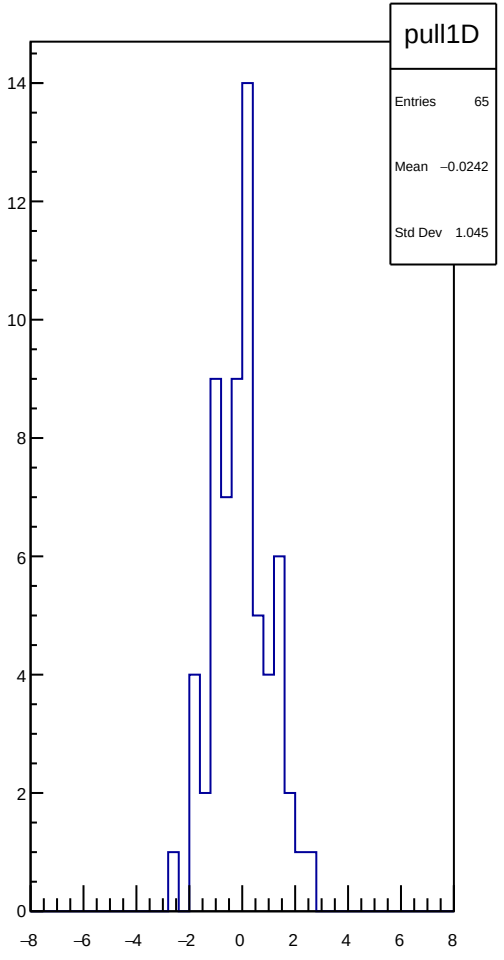

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.517e+05 / 64
p0 1.567e−12 ± 1.686e−15
18
16
14
12
10
8
6
4
2

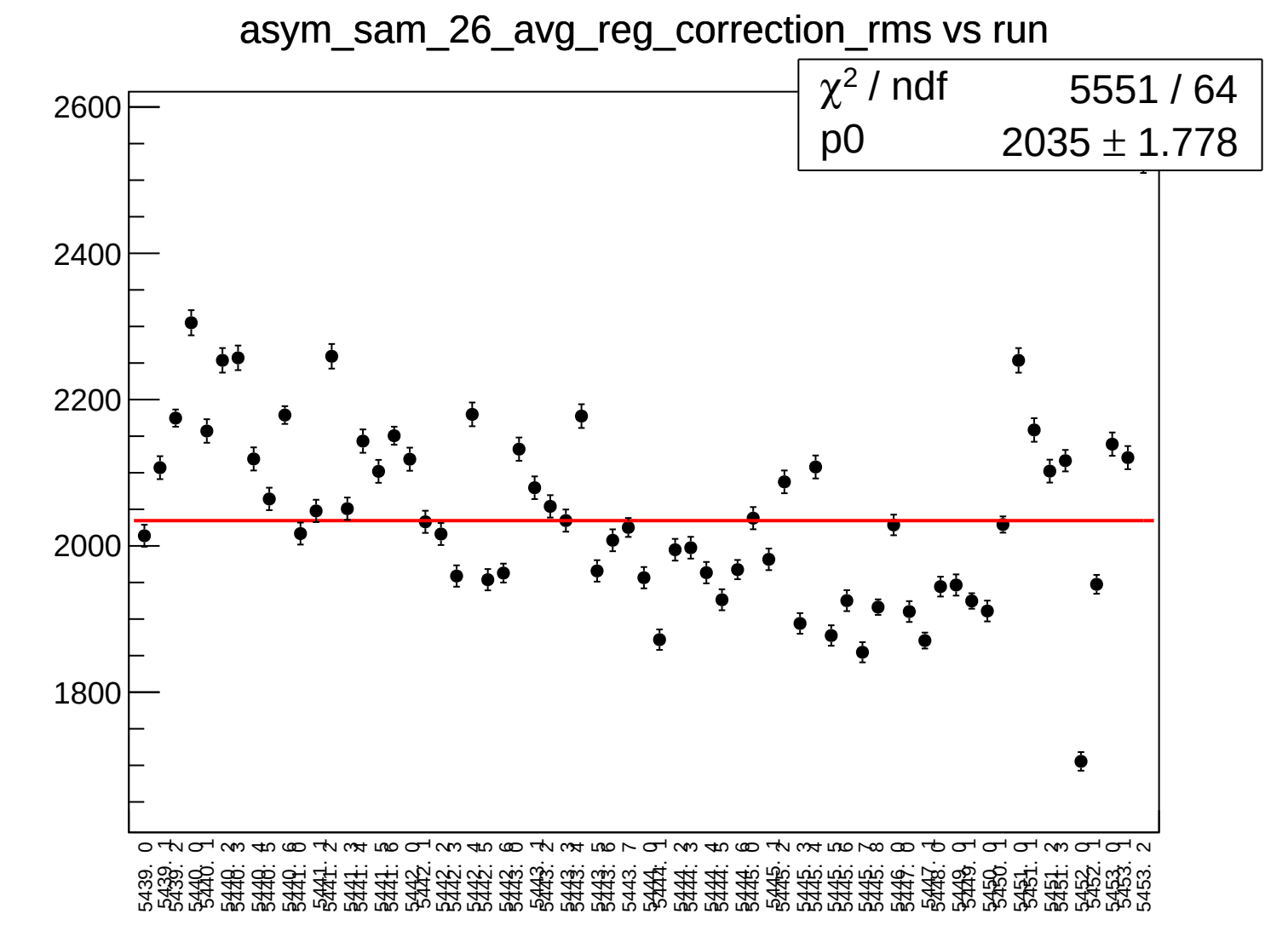

reg_asym_sam_26_avg_mean vs run
χ² / ndf 57.27 / 64
p0 386.2 ± 257
pull
Entries 65
Mean 29.27
Std Dev 35.35

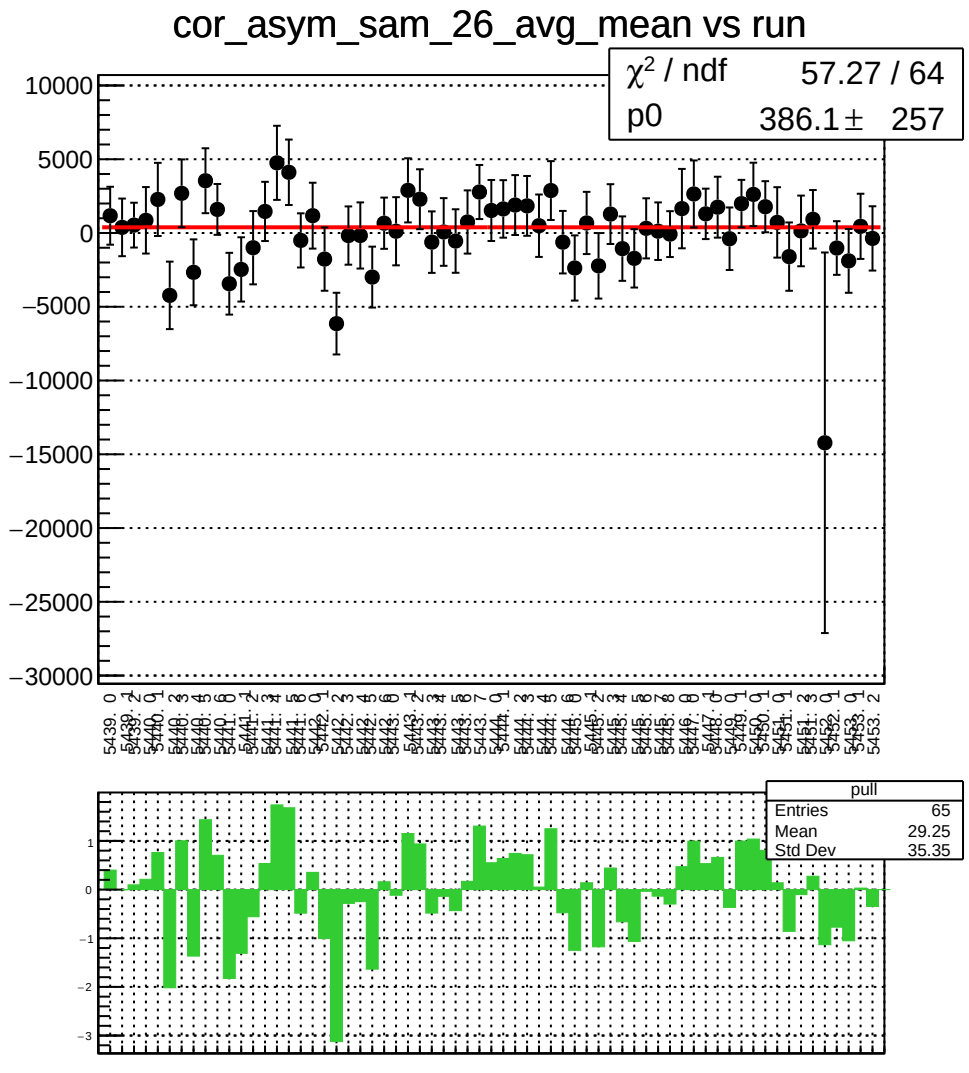

pull1D
Entries 65
Mean −0.025
Std Dev 0.9383

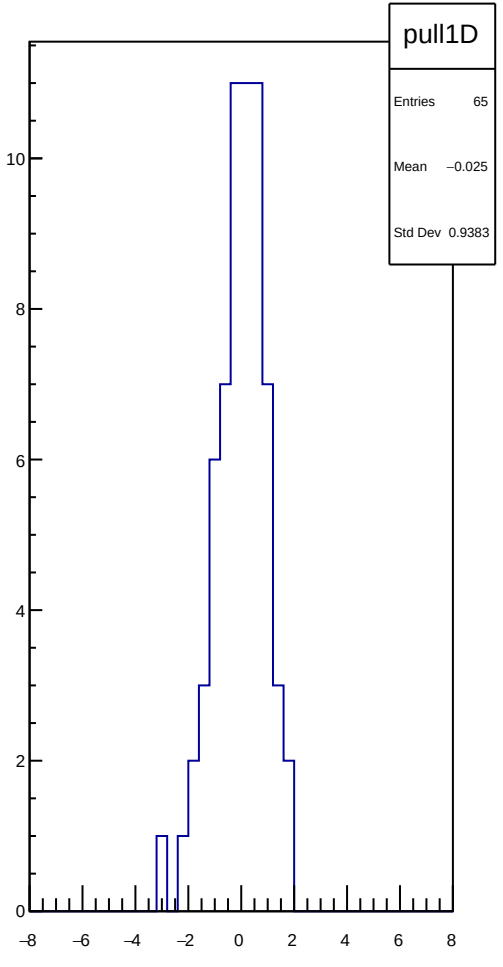

reg_asym_sam_26_avg_rms vs run
χ² / ndf 2.167e+04 / 64
p0 206.7 ± 0.1817
1200
1000
800
600
400
200

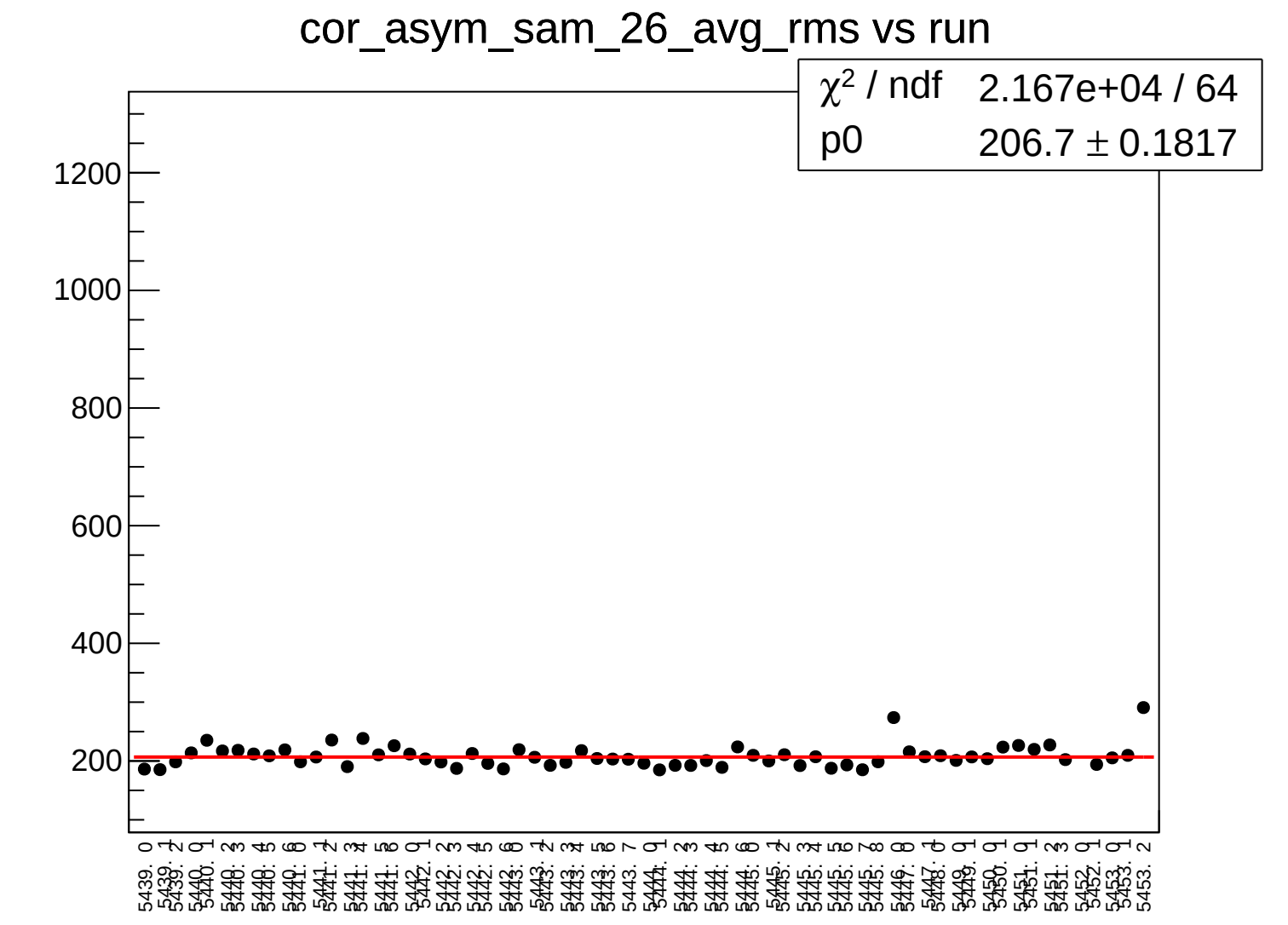

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 70.97 / 64
p0 −3948 ± 2514
×10³
pull
Entries 65
Mean −80.65
Std Dev 0

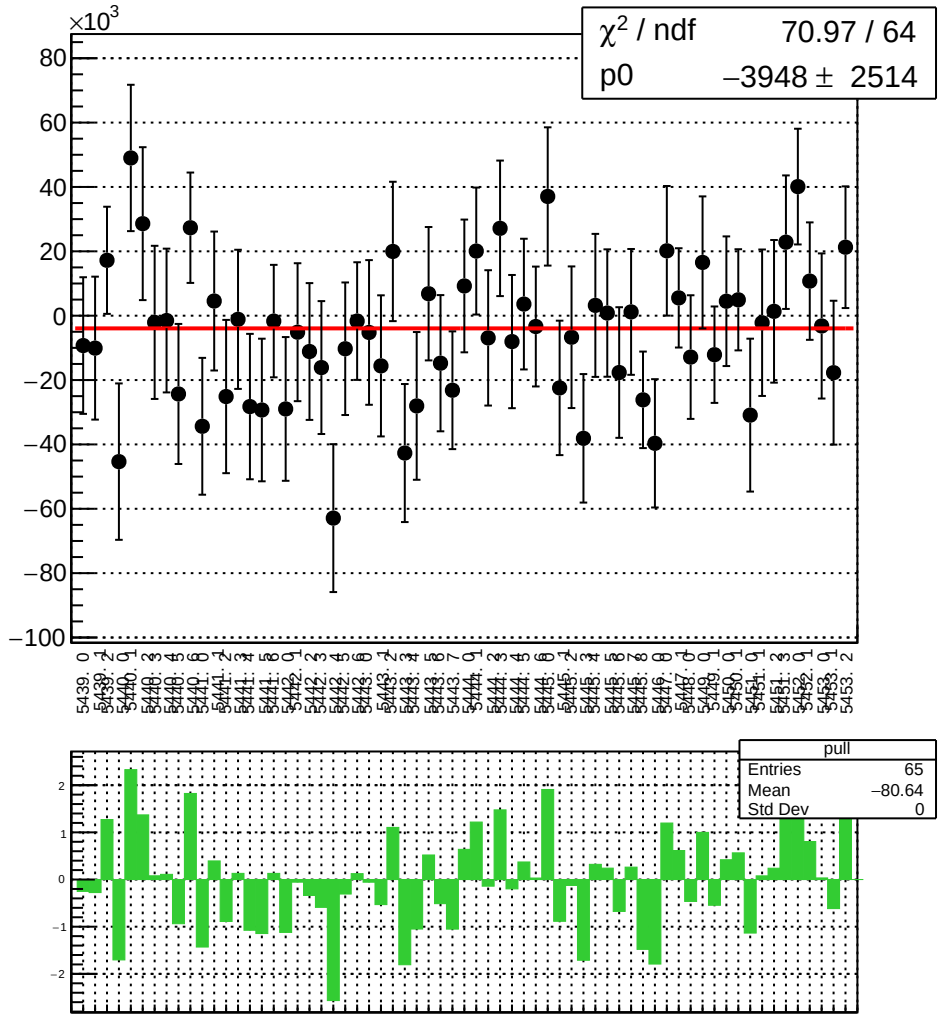

pull1D
Entries 65
Mean −0.0242
Std Dev 1.045

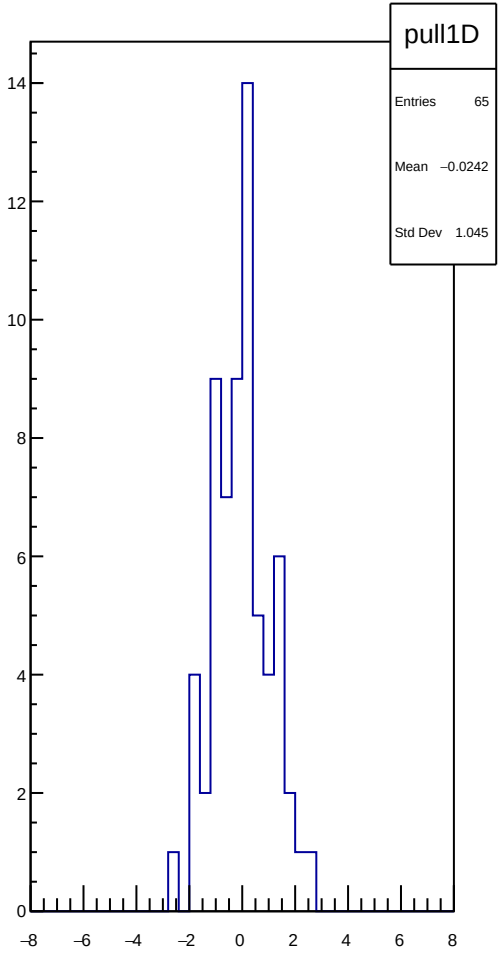

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 5551 / 64
p0 2035 ± 1.778
2600
2400
2200
2000
1800

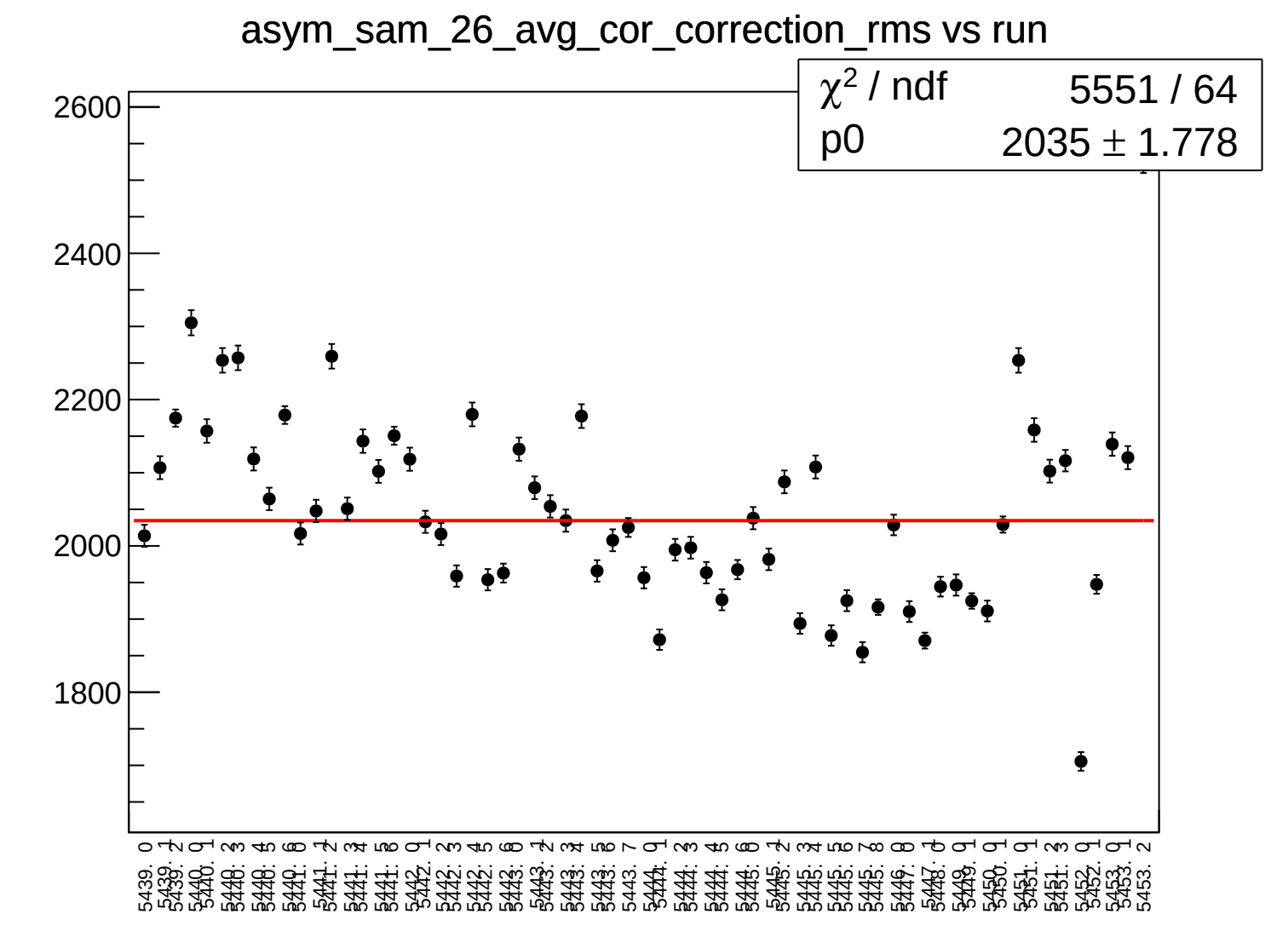

cor_asym_sam_26_avg_mean vs run
χ² / ndf 57.27 / 64
p0 386.1 ± 257
pull
Entries 65
Mean 29.25
Std Dev 35.35

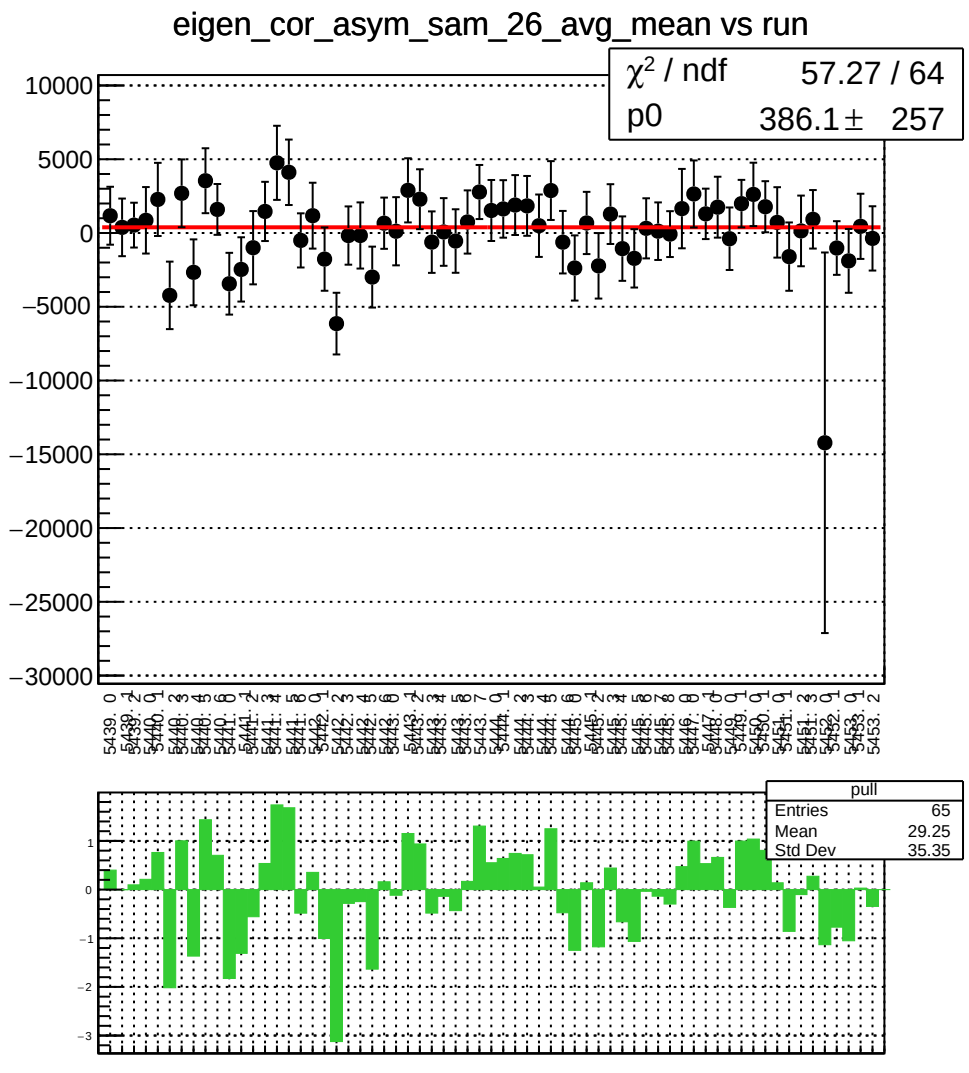

pull1D
Entries 65
Mean −0.025
Std Dev 0.9383

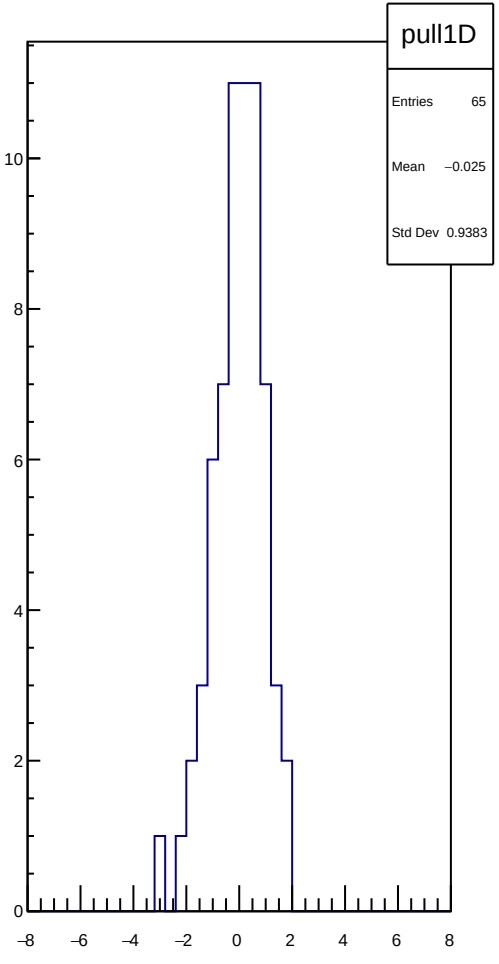

cor_asym_sam_26_avg_rms vs run
χ² / ndf 2.167e+04 / 64
p0 206.7 ± 0.1817
1200
1000
800
600
400
200

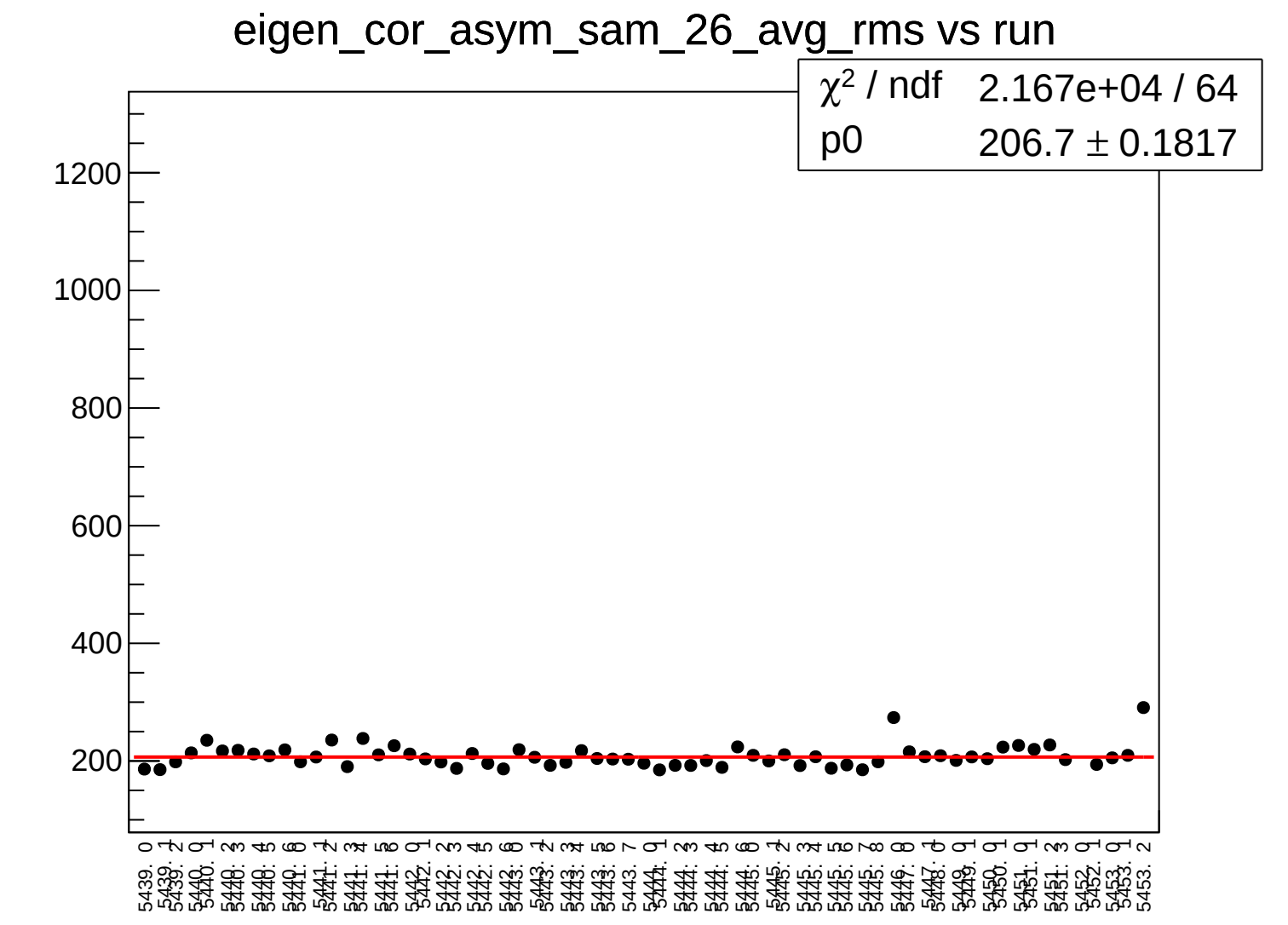

asym_sam_26_avg_cor_correction_mean vs run
×10^3
χ² / ndf 70.97 / 64
p0 −3948 ± 2514
pull
Entries 65
Mean −80.64
Std Dev 0

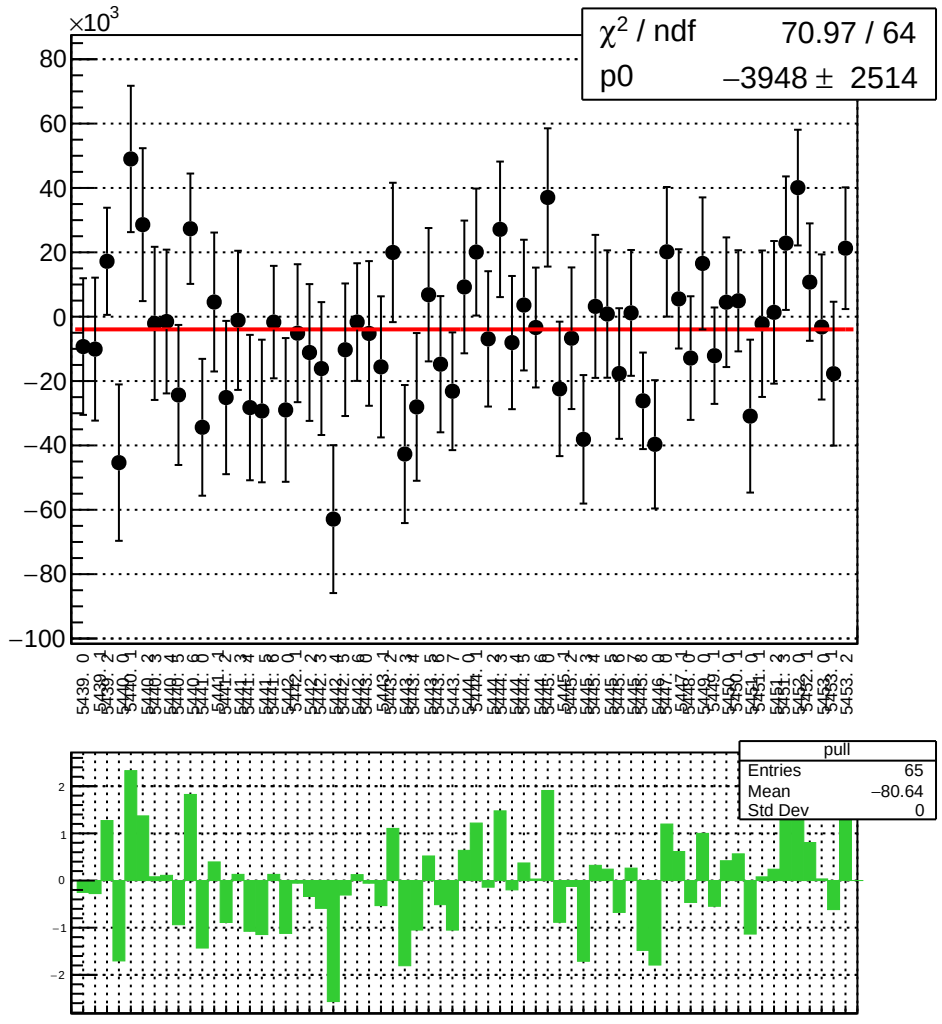

pull1D
Entries 65
Mean −0.0242
Std Dev 1.045

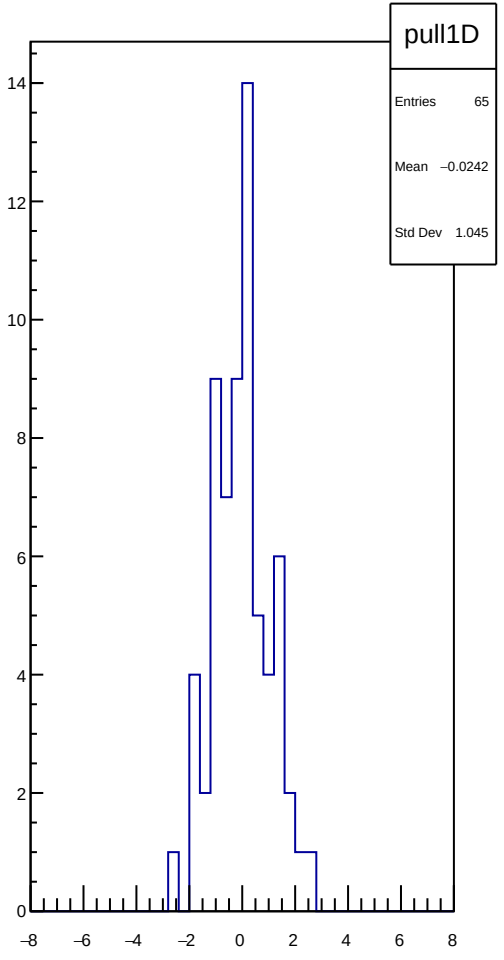

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 5551 / 64
p0 2035 ± 1.778
2600
2400
2200
2000
1800

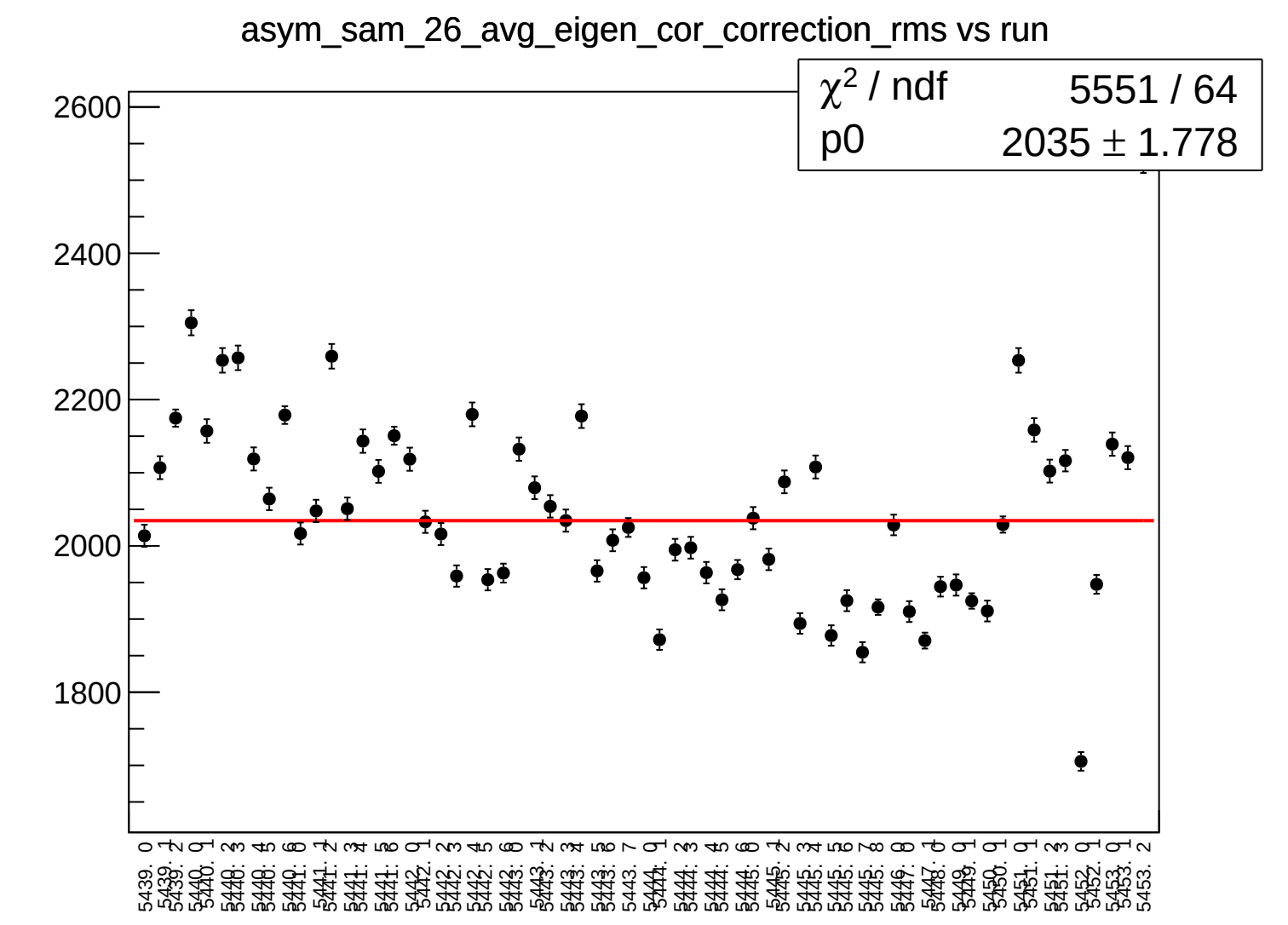

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 57.27 / 64
p0 386.1 ± 257
pull
Entries 65
Mean 29.25
Std Dev 35.35

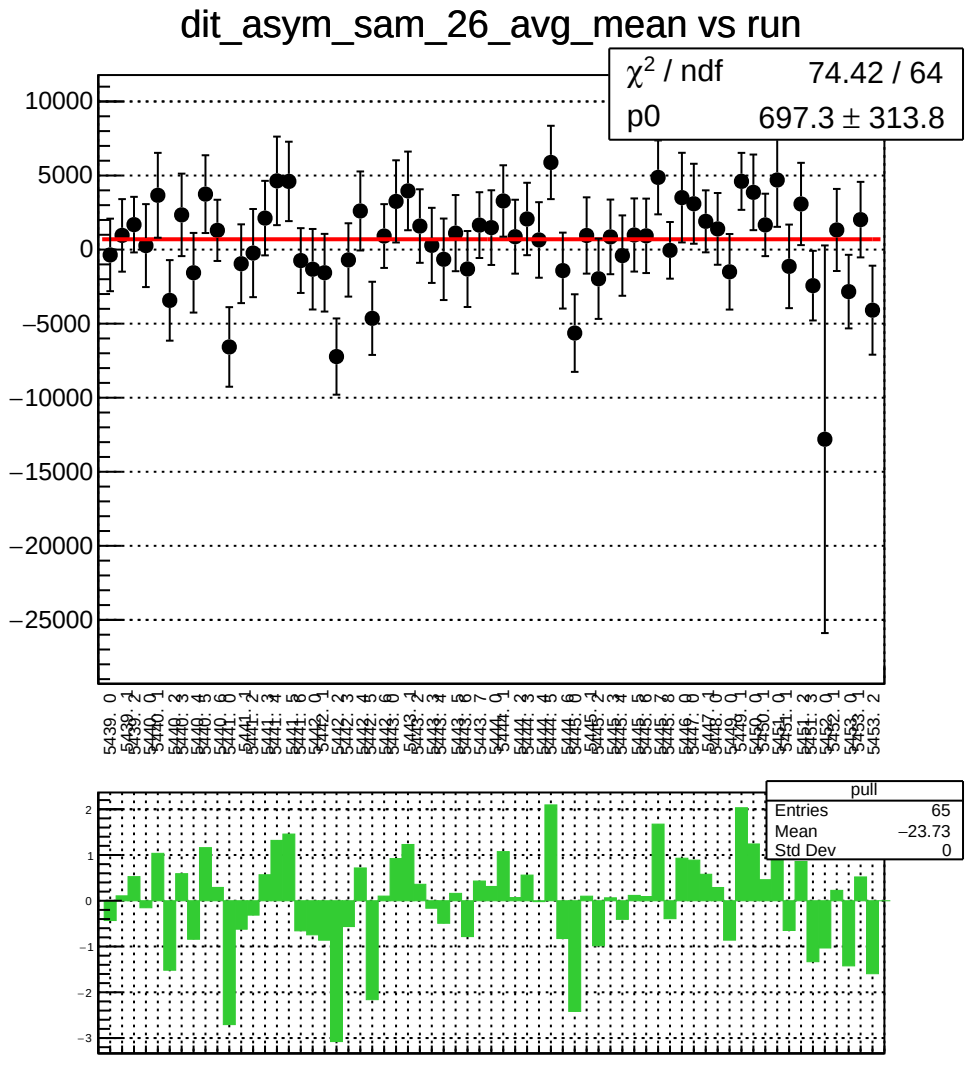

pull1D
Entries 65
Mean −0.025
Std Dev 0.9383

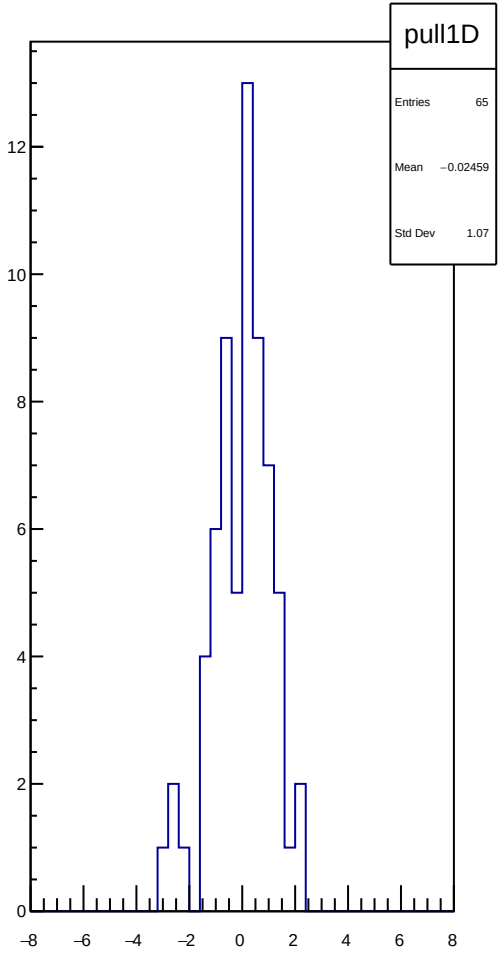

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 2.167e+04 / 64
p0 206.7 ± 0.1817
1200
1000
800
600
400
200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 3
5444. 4
5444. 5
5444. 6
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5451. 0
5451. 1
5451. 3
5452. 0
5453. 0
5453. 1
5453. 2

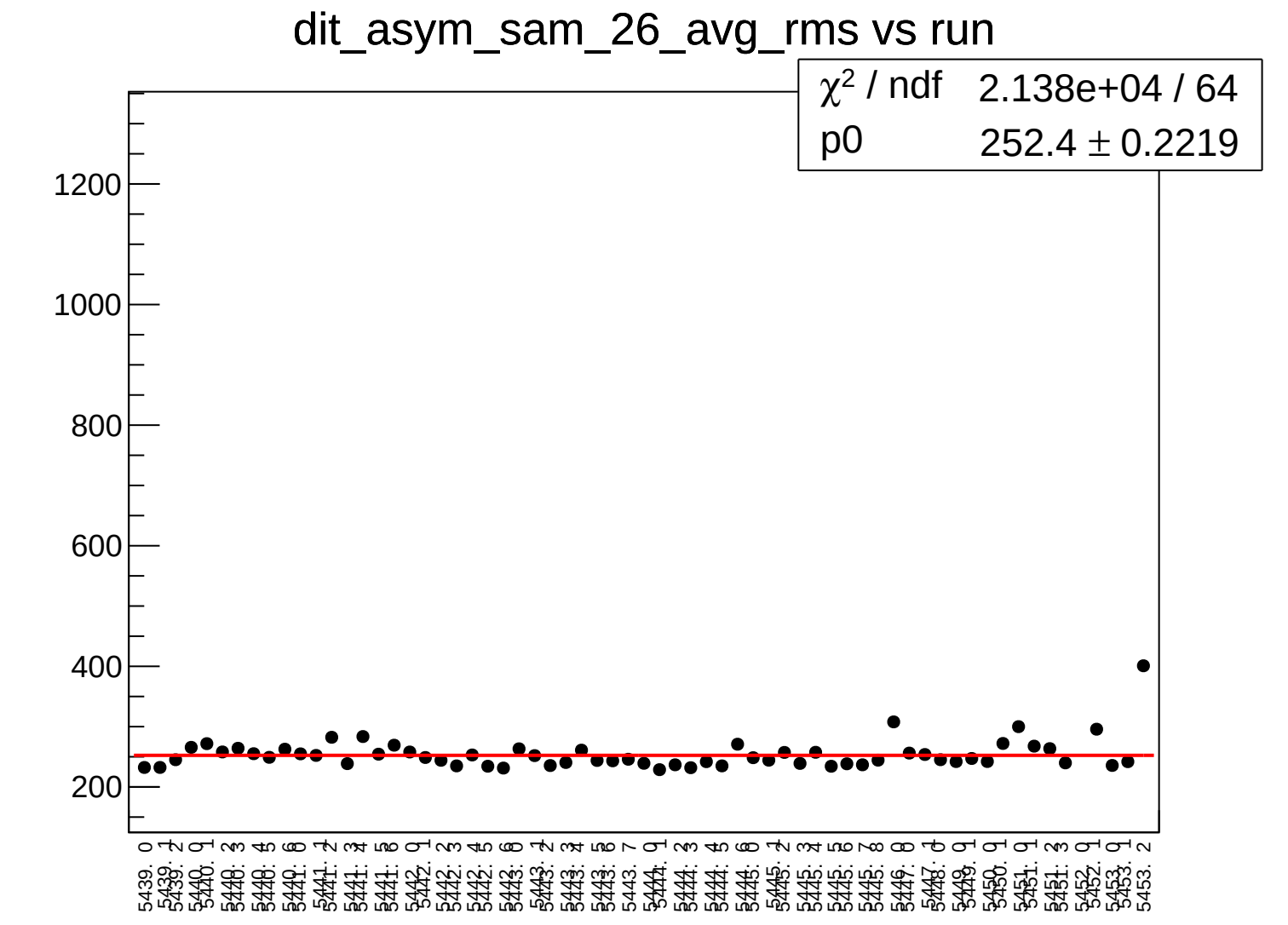

asym_sam_26_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 70.97 / 64
p0 −3948 ± 2514
pull
Entries 65
Mean −80.64
Std Dev 0

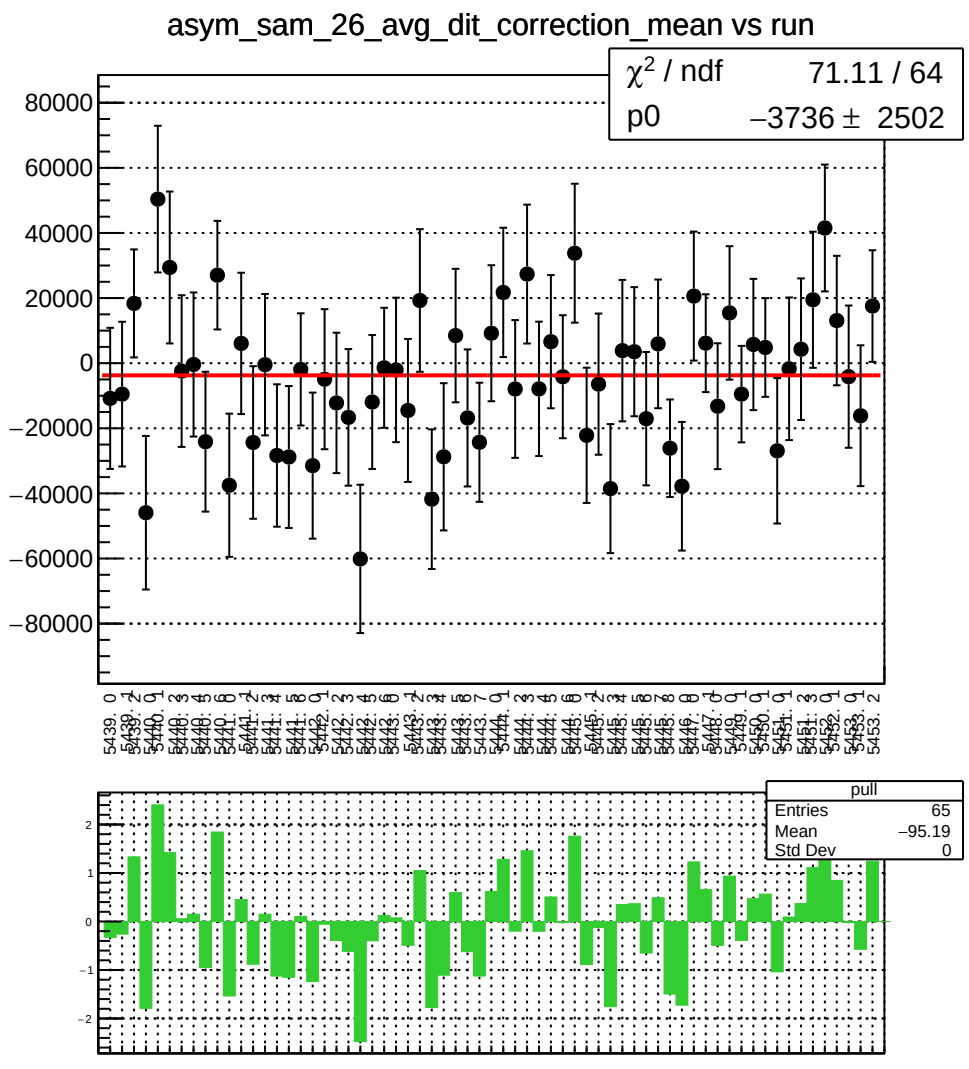

pull1D
Entries 65
Mean −0.0242
Std Dev 1.045

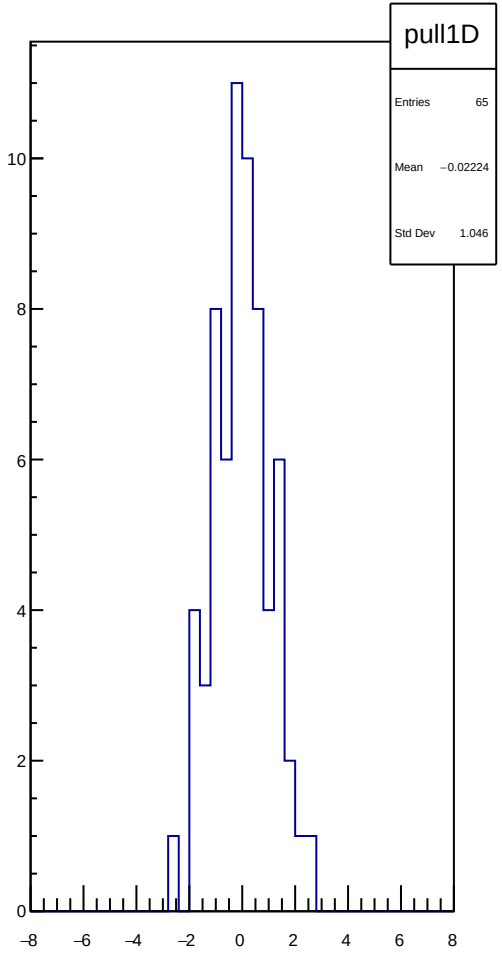

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 5551 / 64
p0 2035 ± 1.778
2600
2400
2200
2000
1800

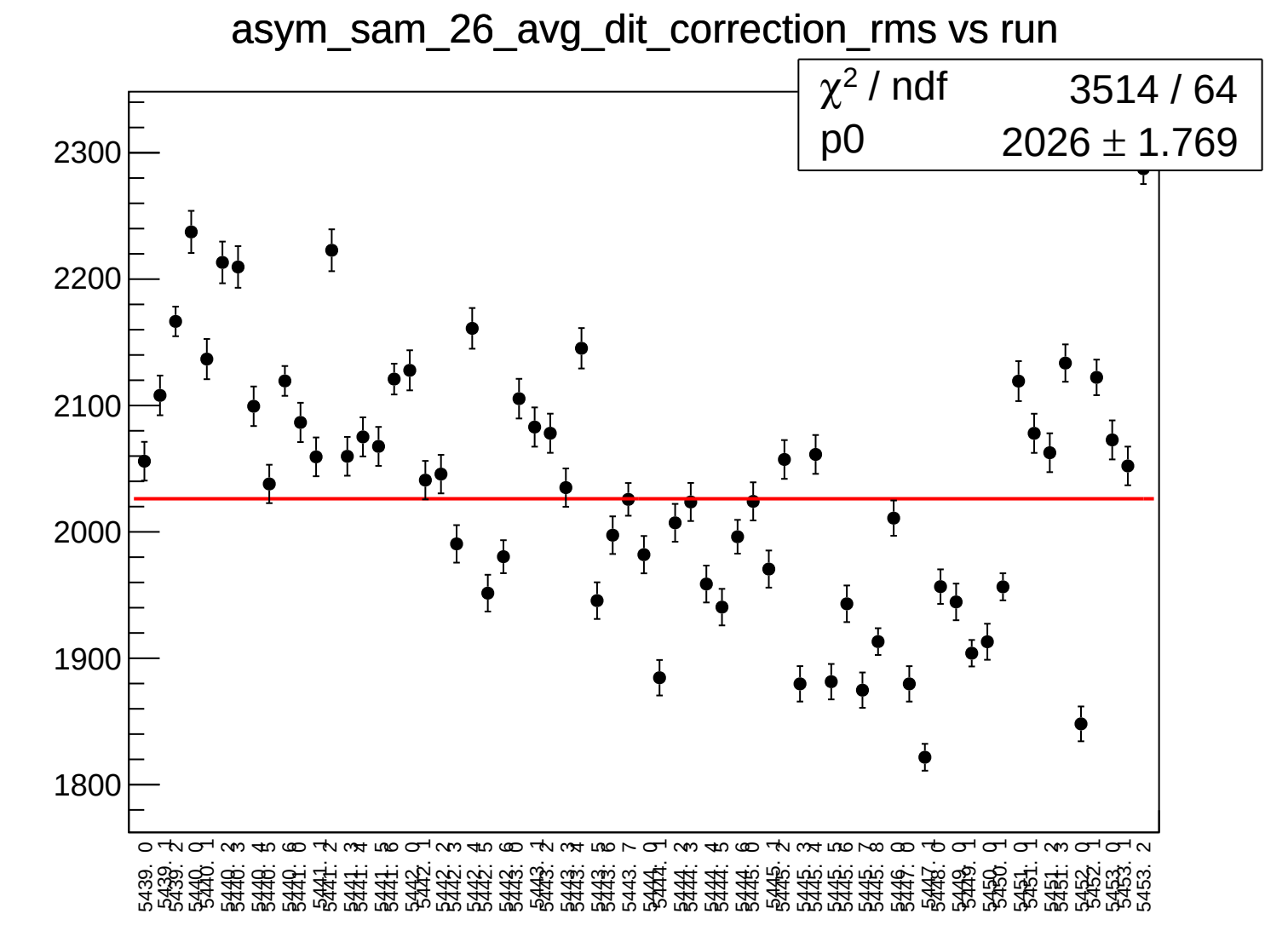

dit_asym_sam_26_avg_mean vs run
χ² / ndf 74.42 / 64
p0 697.3 ± 313.8
pull
Entries 65
Mean −23.73
Std Dev 0

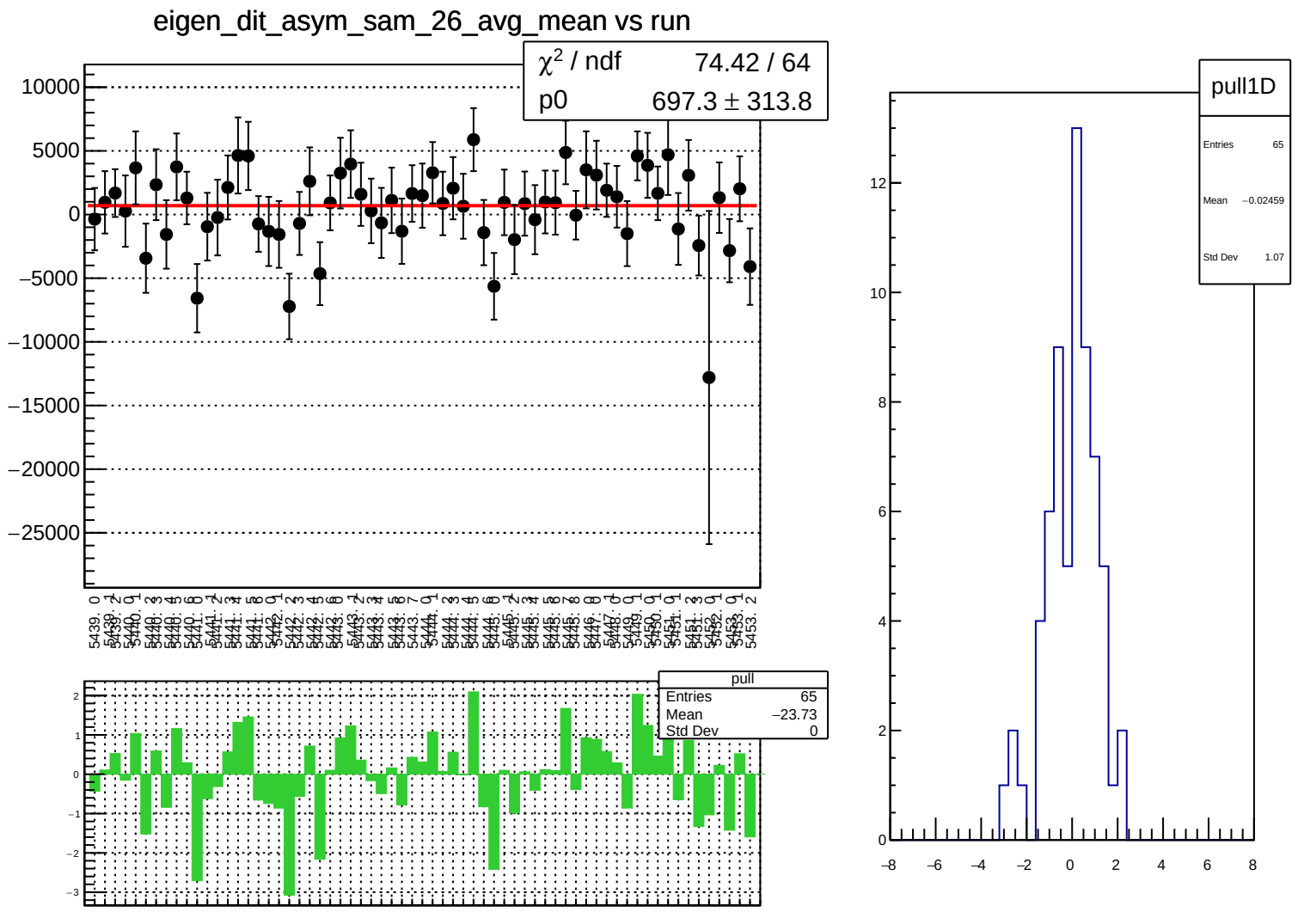

pull1D
Entries 65
Mean −0.02459
Std Dev 1.07

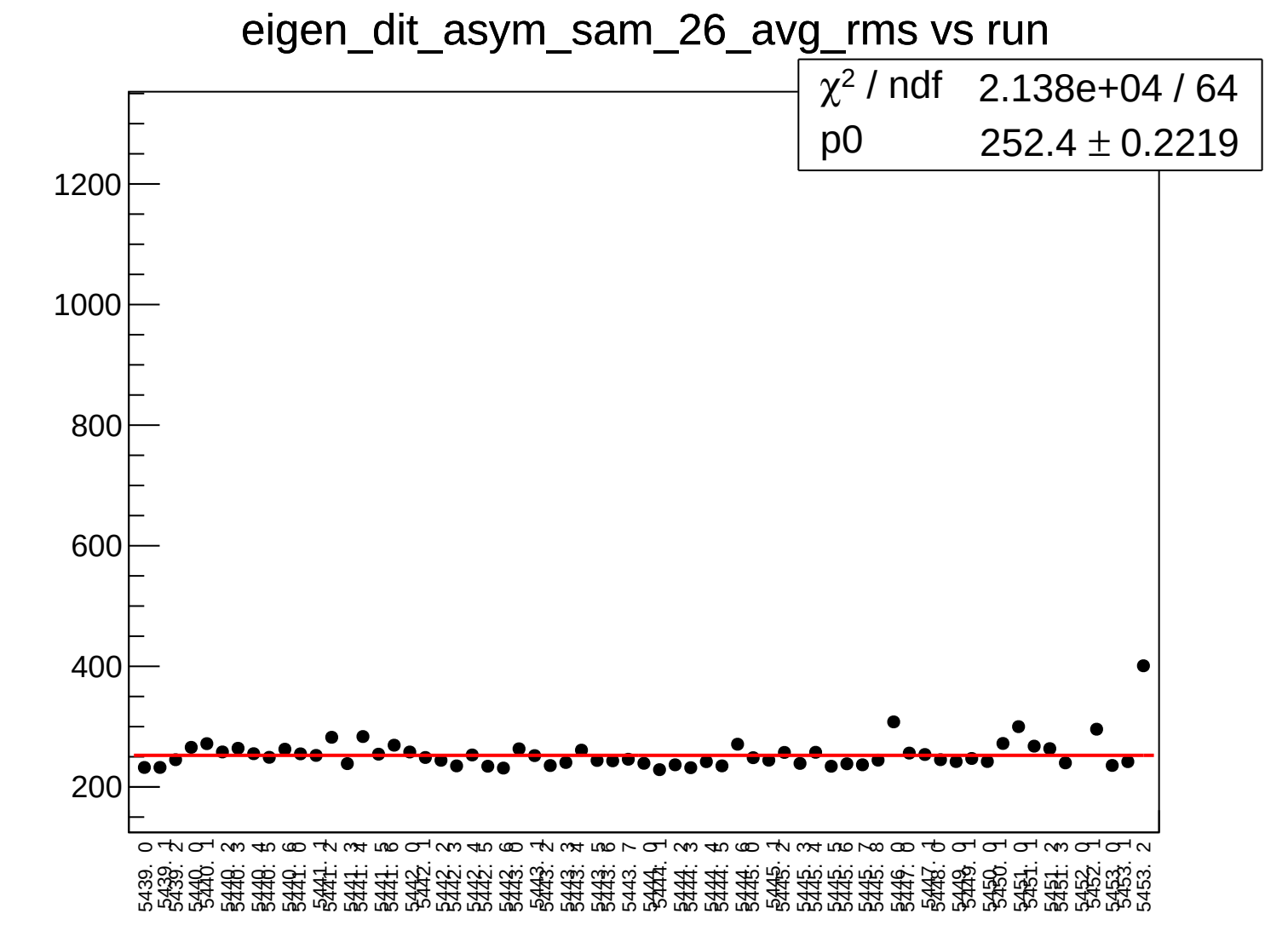

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 2.138e+04 / 64
p0 252.4 ± 0.2219
1200
1000
800
600
400
200

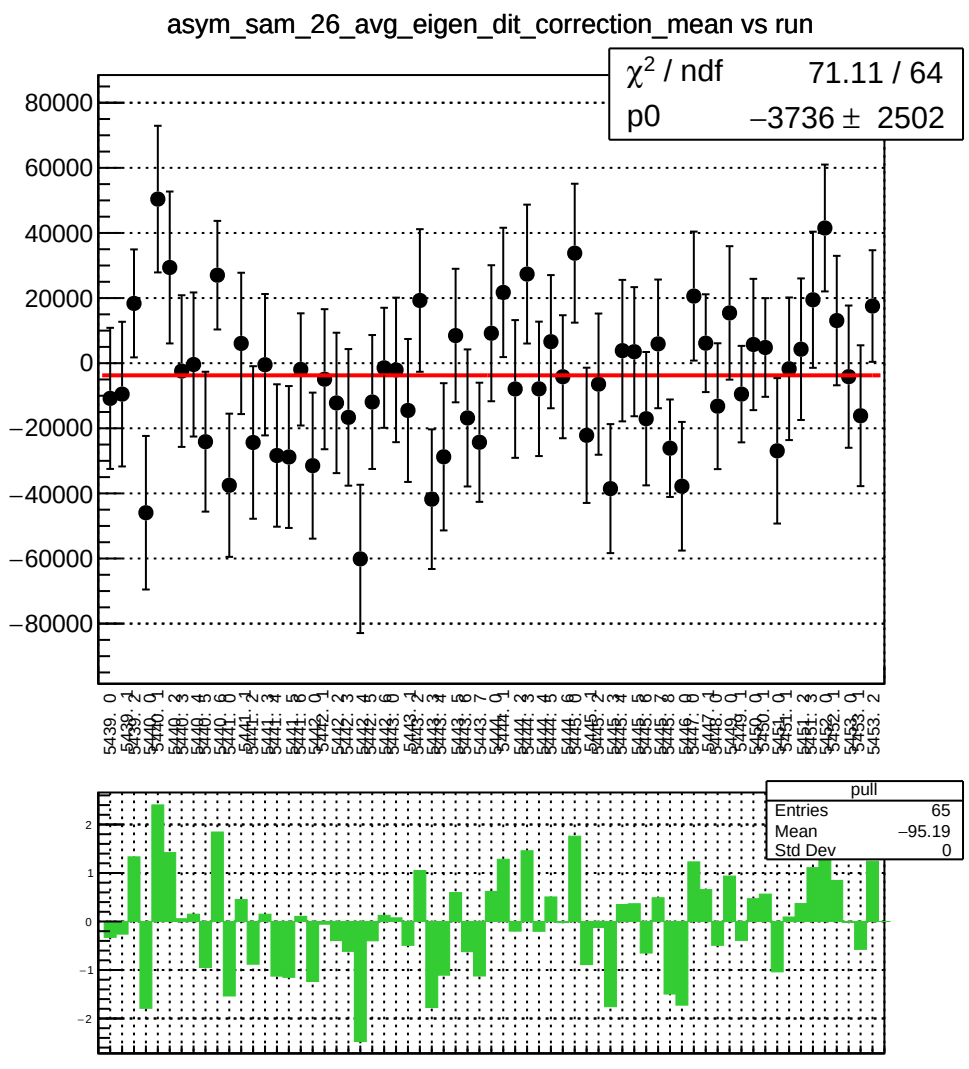

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 71.11 / 64
p0 −3736 ± 2502
pull
Entries 65
Mean −95.19
Std Dev 0

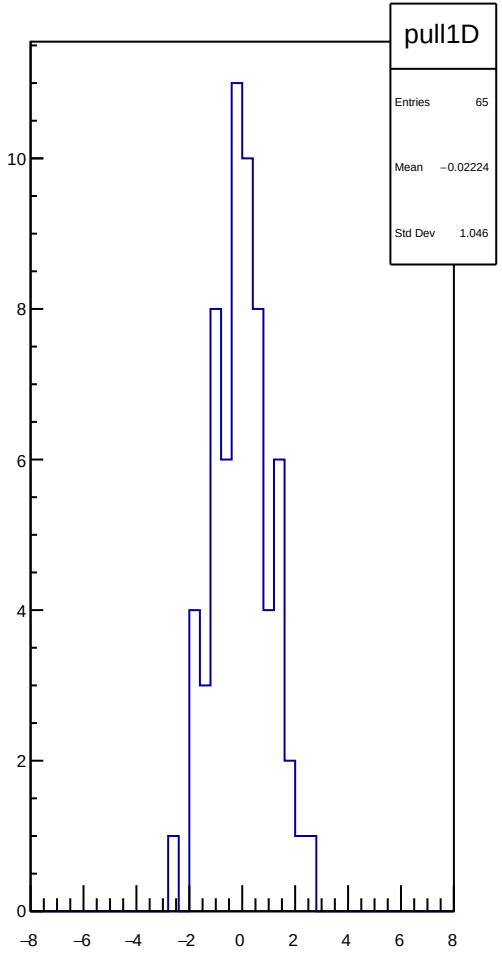

pull1D
Entries 65
Mean −0.02224
Std Dev 1.046

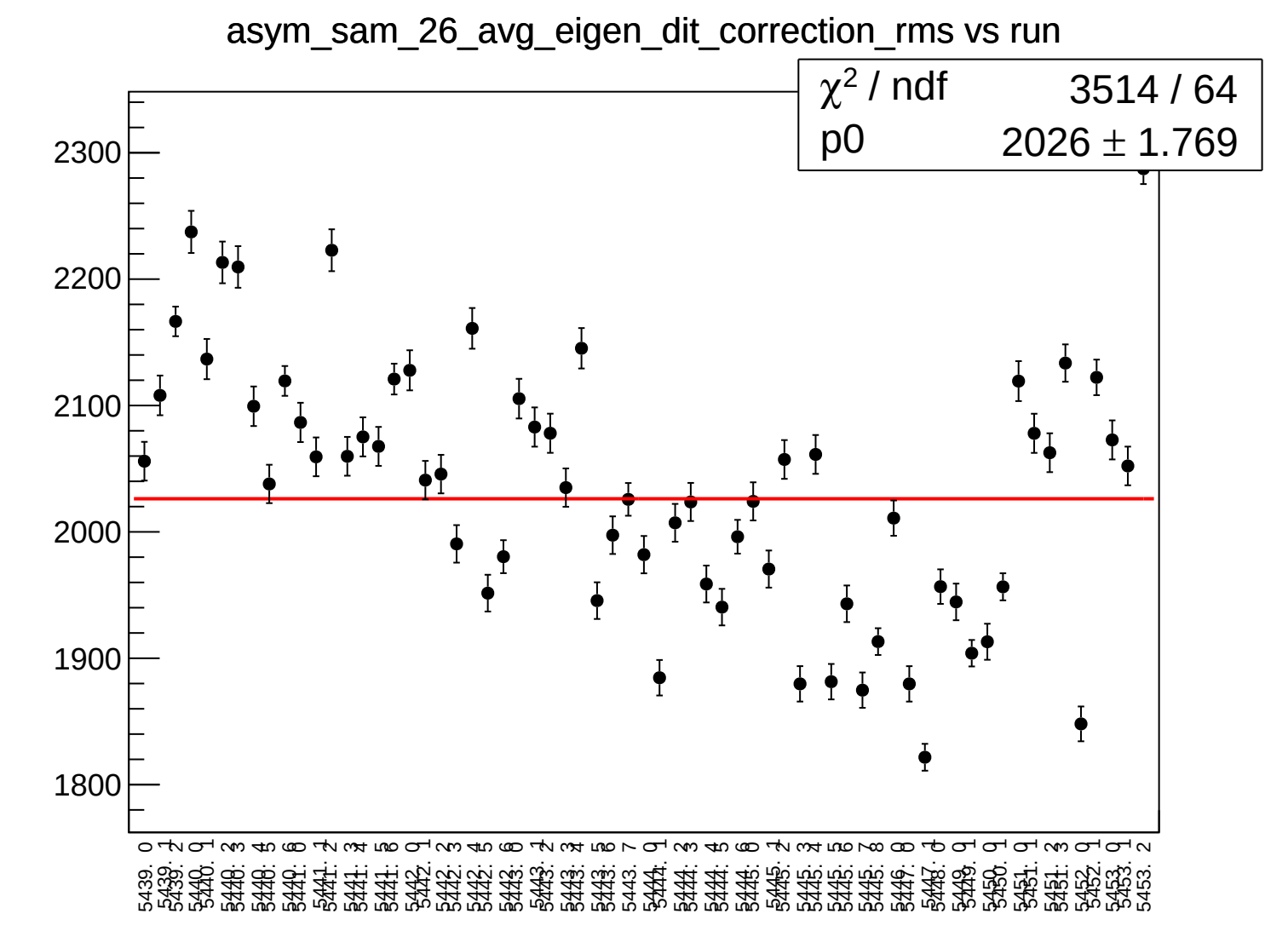

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 3514 / 64
p0 2026 ± 1.769
2300
2200
2100
2000
1900
1800

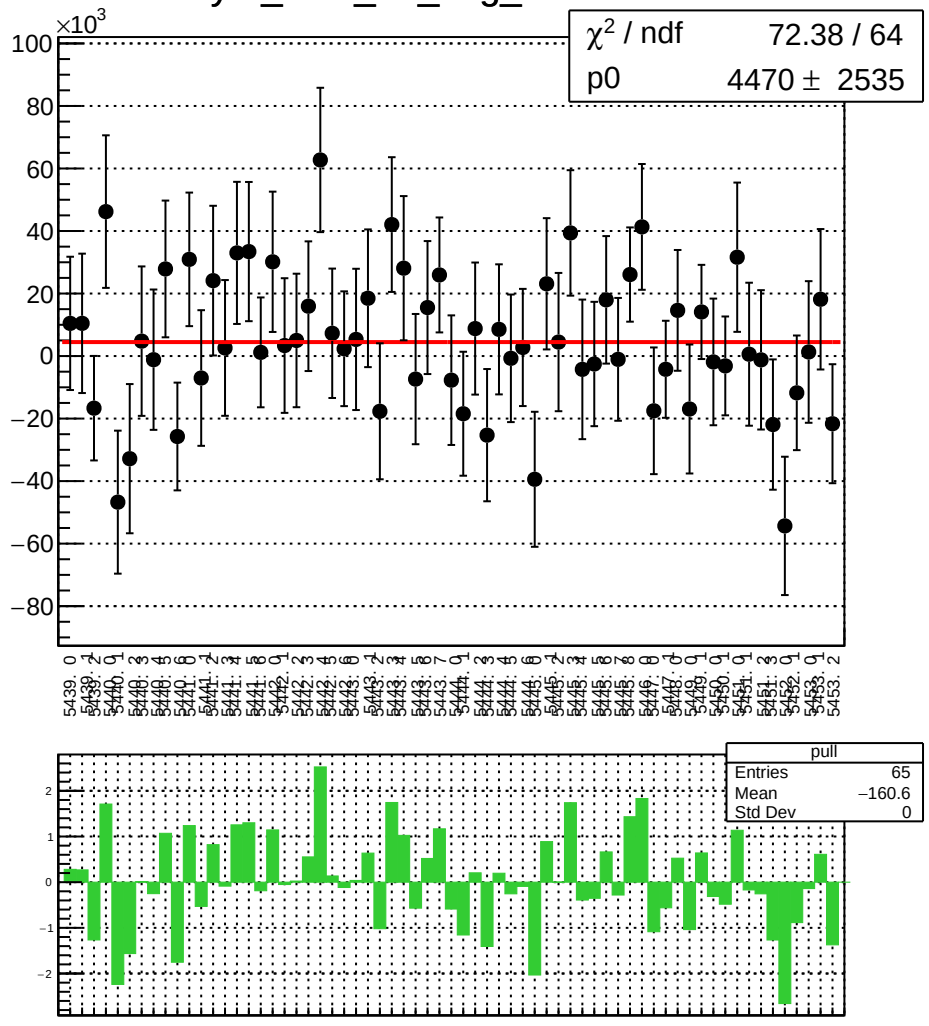

eigen_dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 74.42 / 64
p0 697.3 ± 313.8
pull
Entries 65
Mean −23.73
Std Dev 0
pull1D
Entries 65
Mean −0.02459
Std Dev 1.07

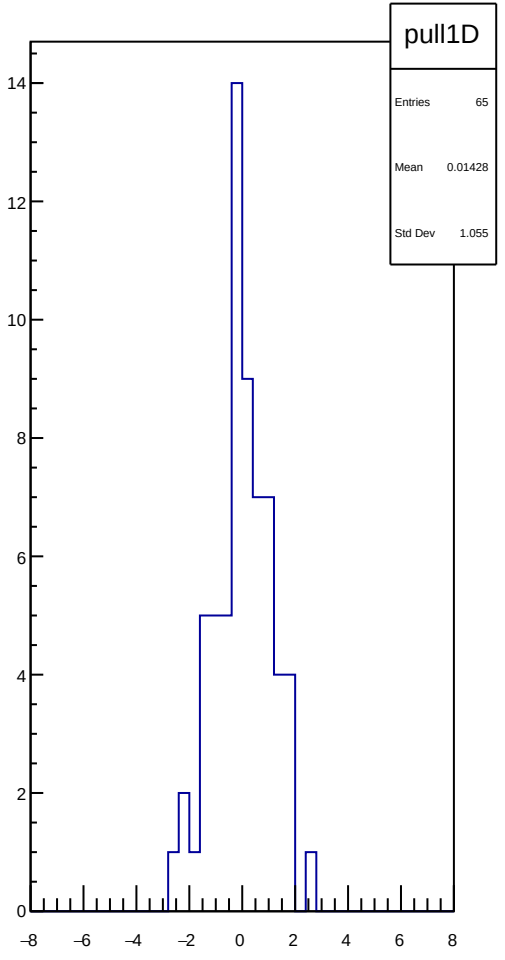

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.138e+04 / 64
p0 252.4 ± 0.2219
1200
1000
800
600
400
200

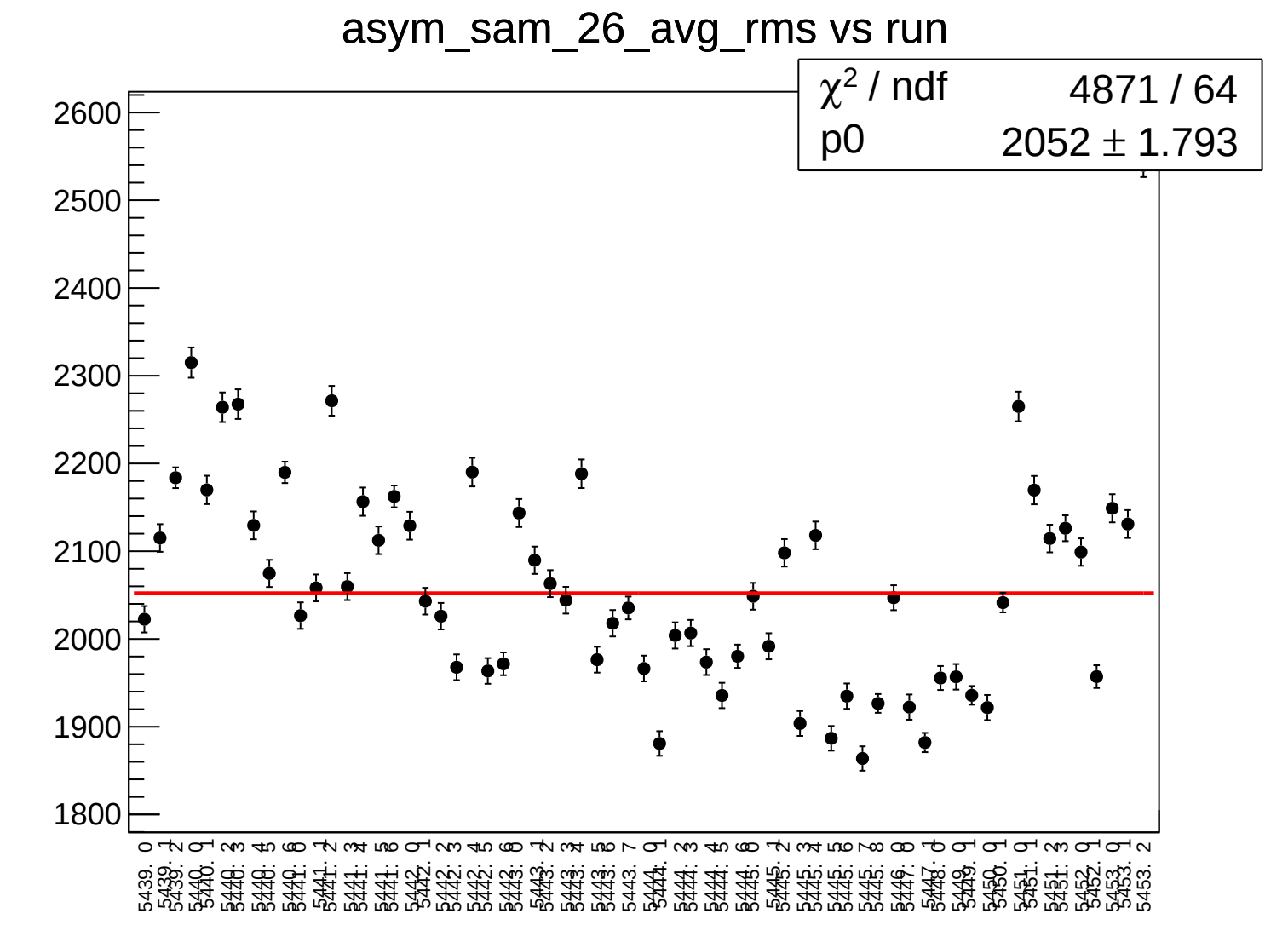

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.11 / 64
p0 −3736 ± 2502
pull
Entries 65
Mean −95.19
Std Dev 0

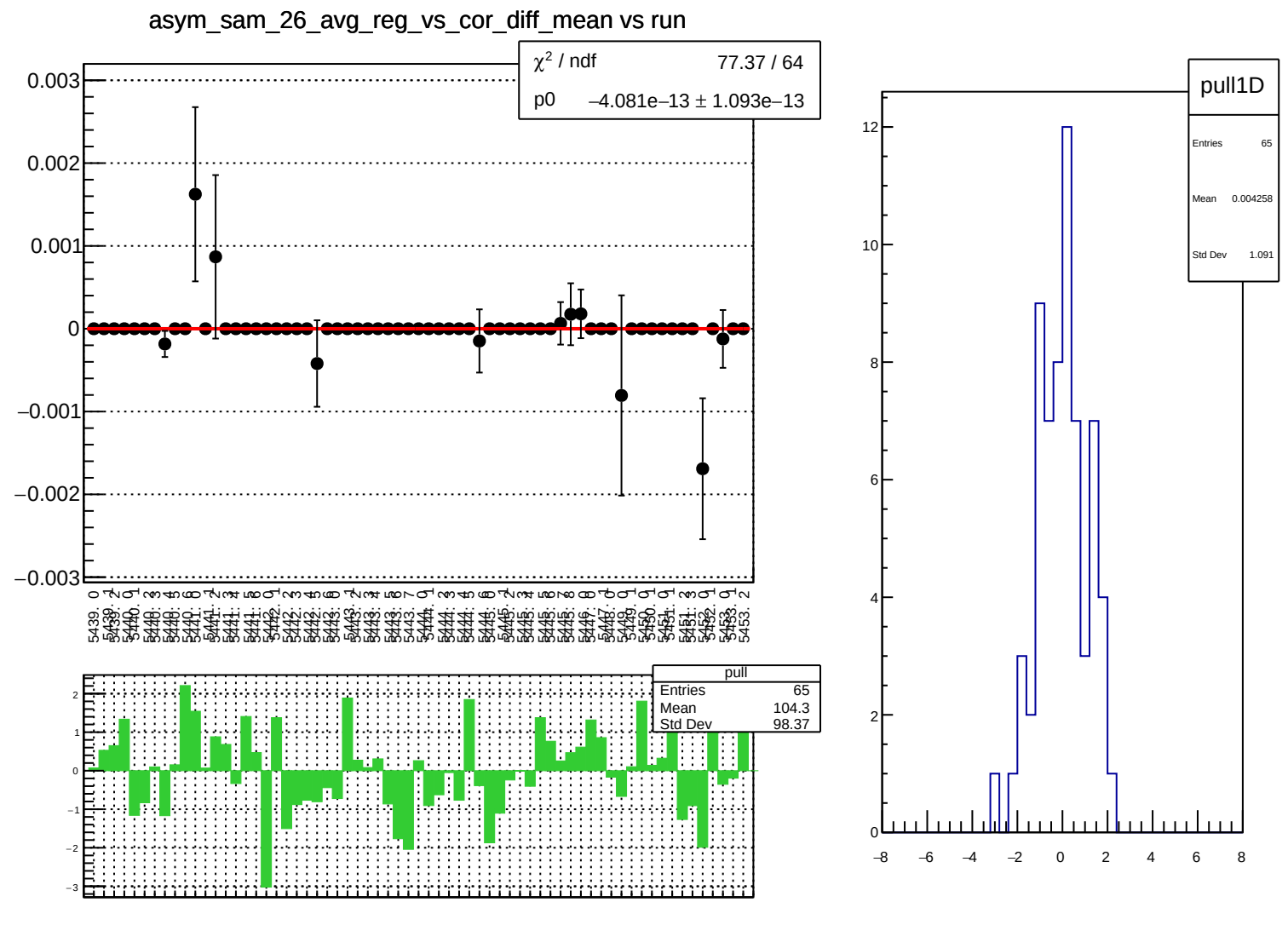

pull1D
Entries 65
Mean −0.02224
Std Dev 1.046

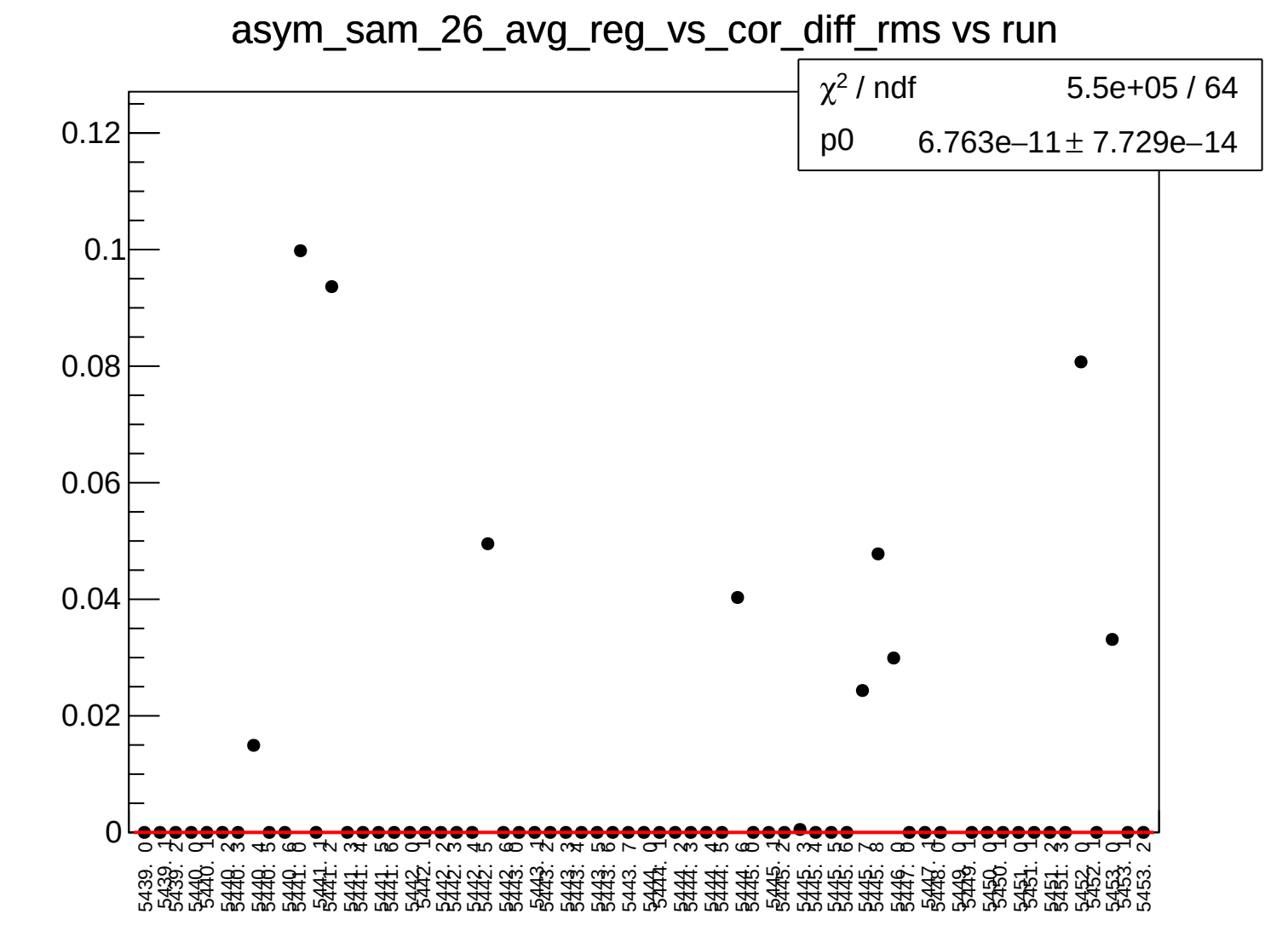

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 3514 / 64
p0 2026 ± 1.769
2300
2200
2100
2000
1900
1800
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

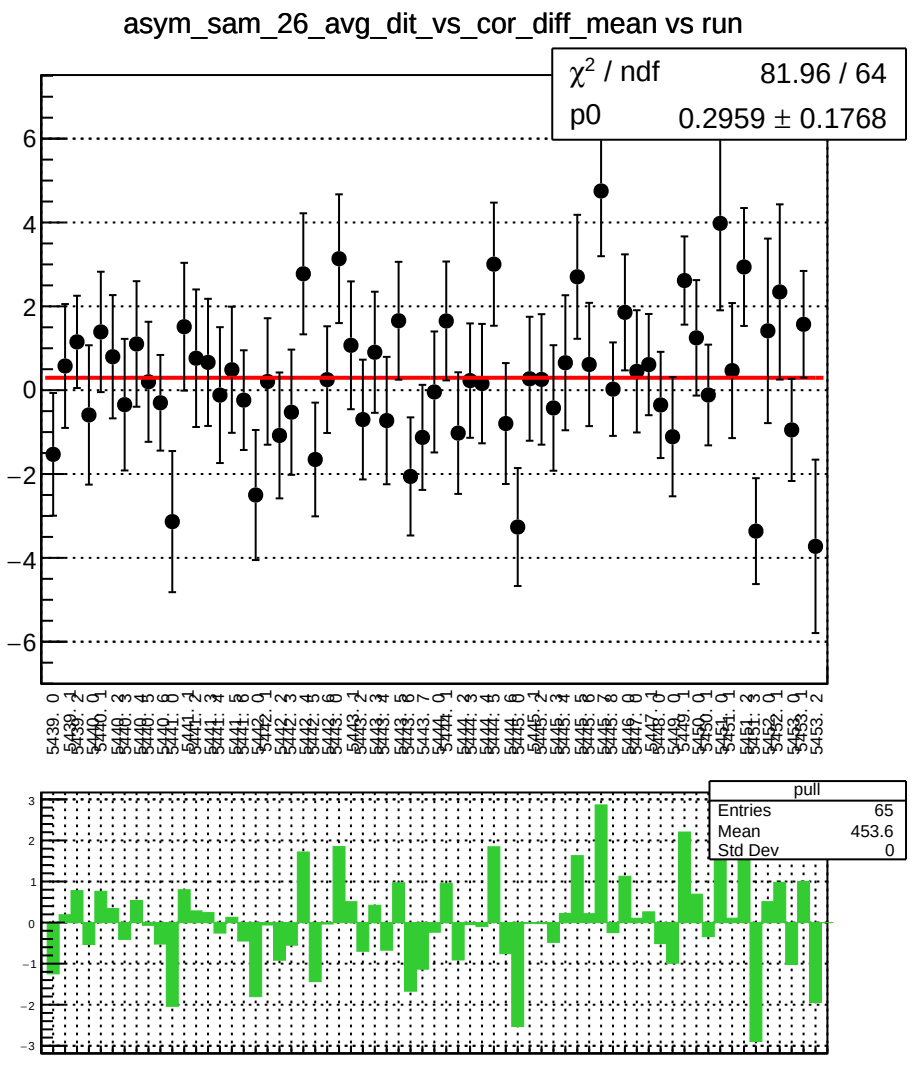

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 72.38 / 64
p0 4470 ± 2535
pull
Entries 65
Mean −160.6
Std Dev 0

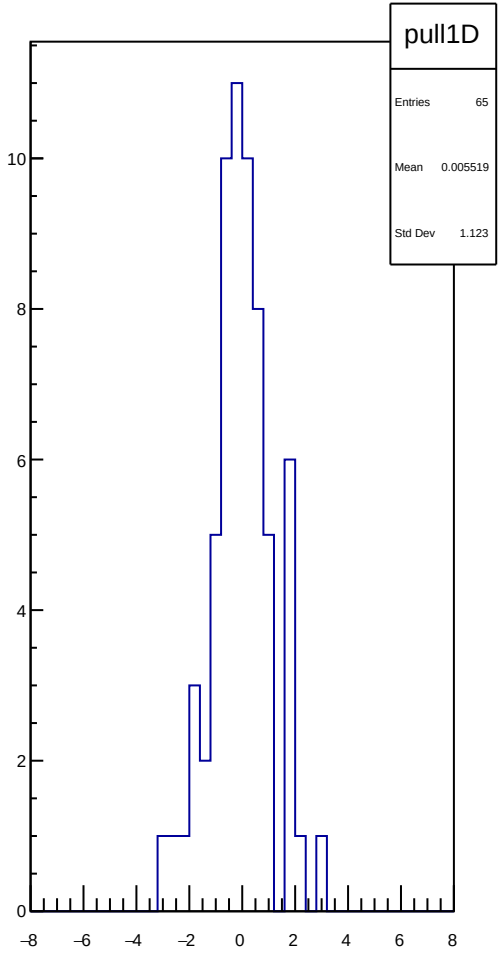

pull1D
Entries 65
Mean 0.01428
Std Dev 1.055

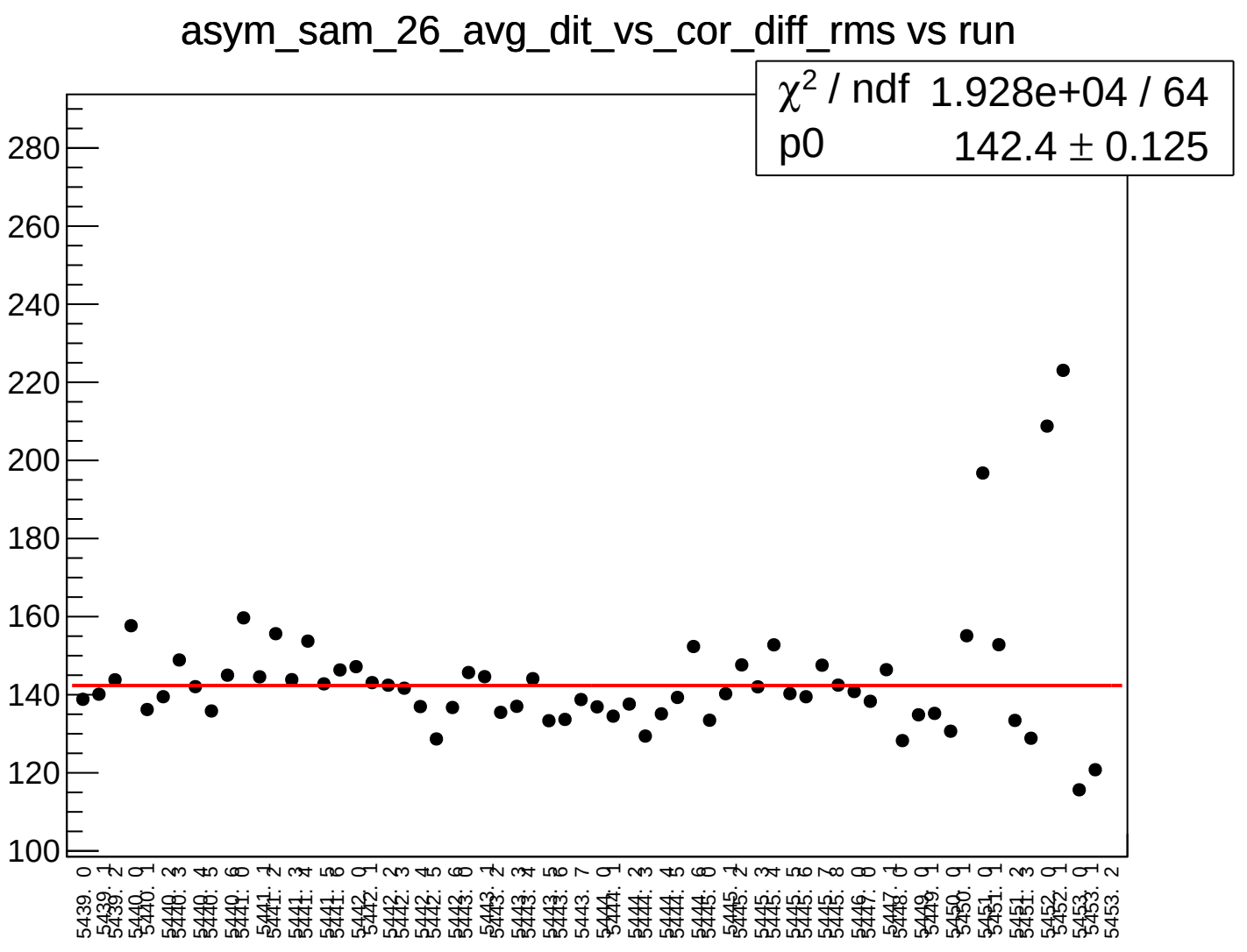

asym_sam_26_avg_rms vs run
χ² / ndf 4871 / 64
p0 2052 ± 1.793
2600
2500
2400
2300
2200
2100
2000
1900
1800

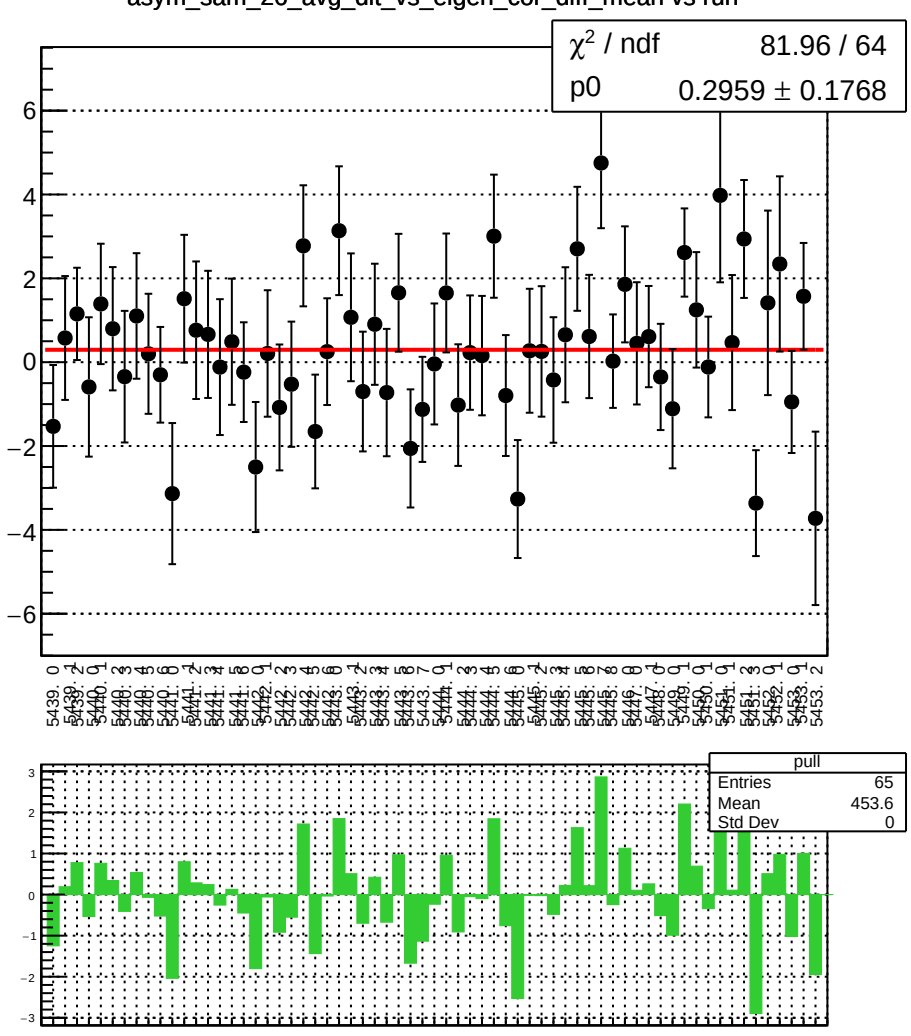

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.37 / 64
p0 −4.081e−13 ± 1.093e−13
pull
Entries 65
Mean 104.3
Std Dev 98.37
pull1D
Entries 65
Mean 0.004258
Std Dev 1.091

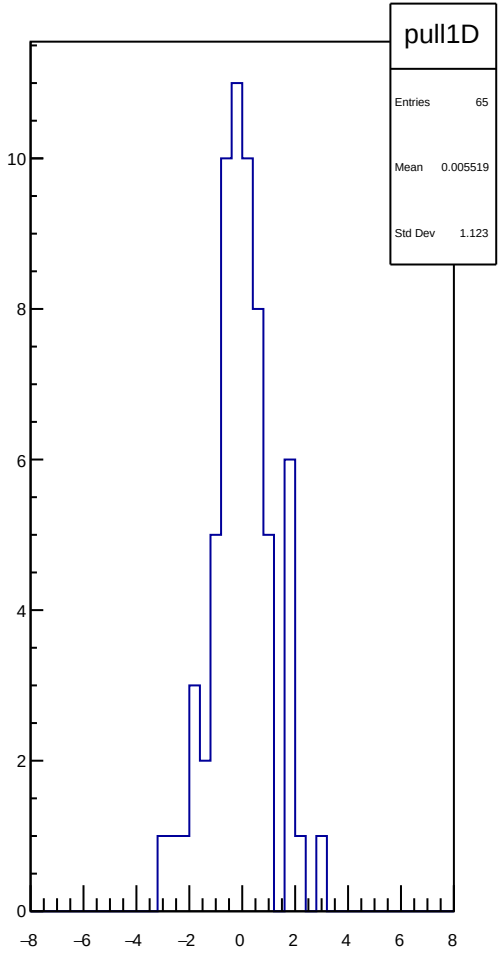

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.5e+05 / 64
p0 6.763e−11 ± 7.729e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

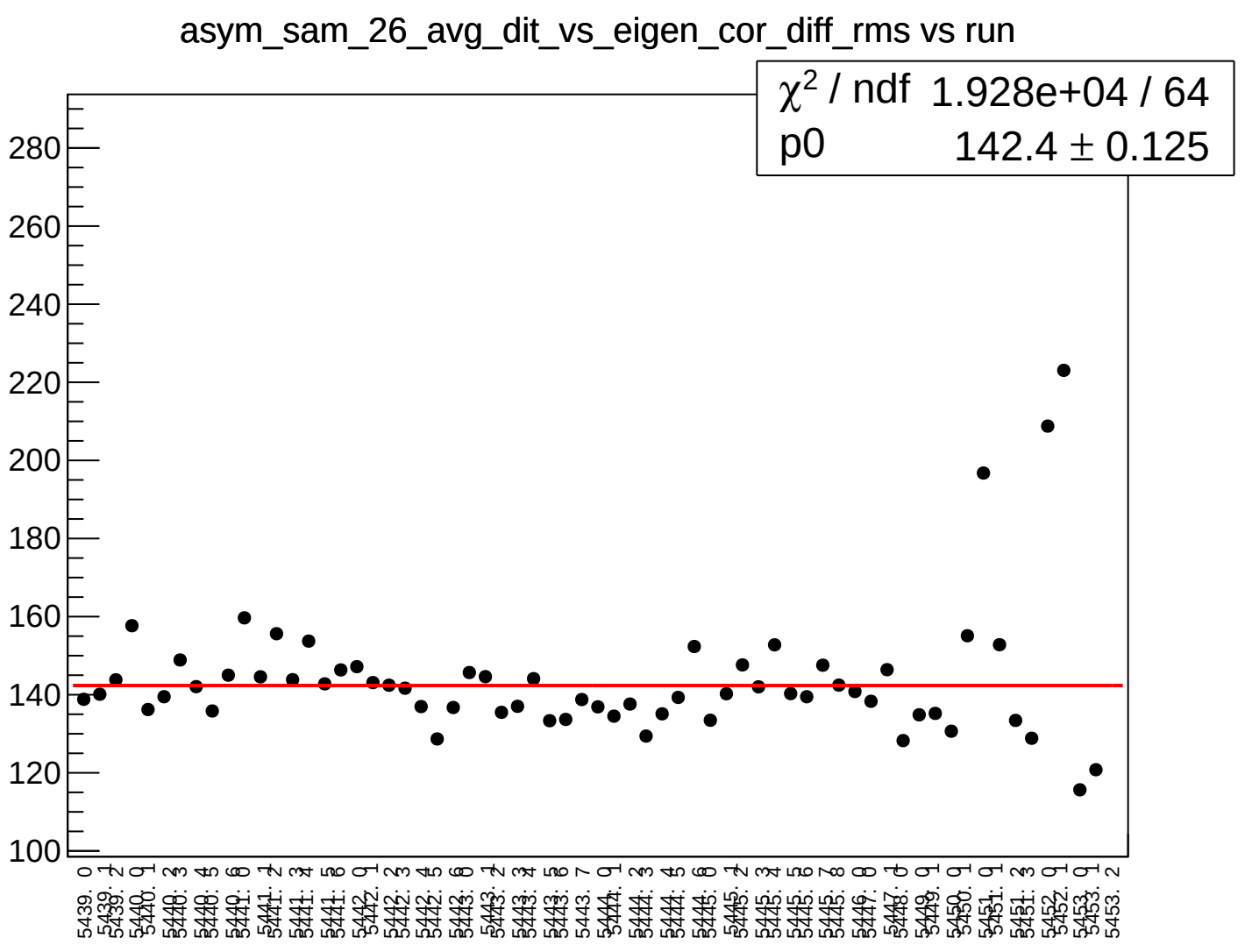

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 81.96 / 64
p0 0.2959 ± 0.1768
pull
Entries 65
Mean 453.6
Std Dev 0

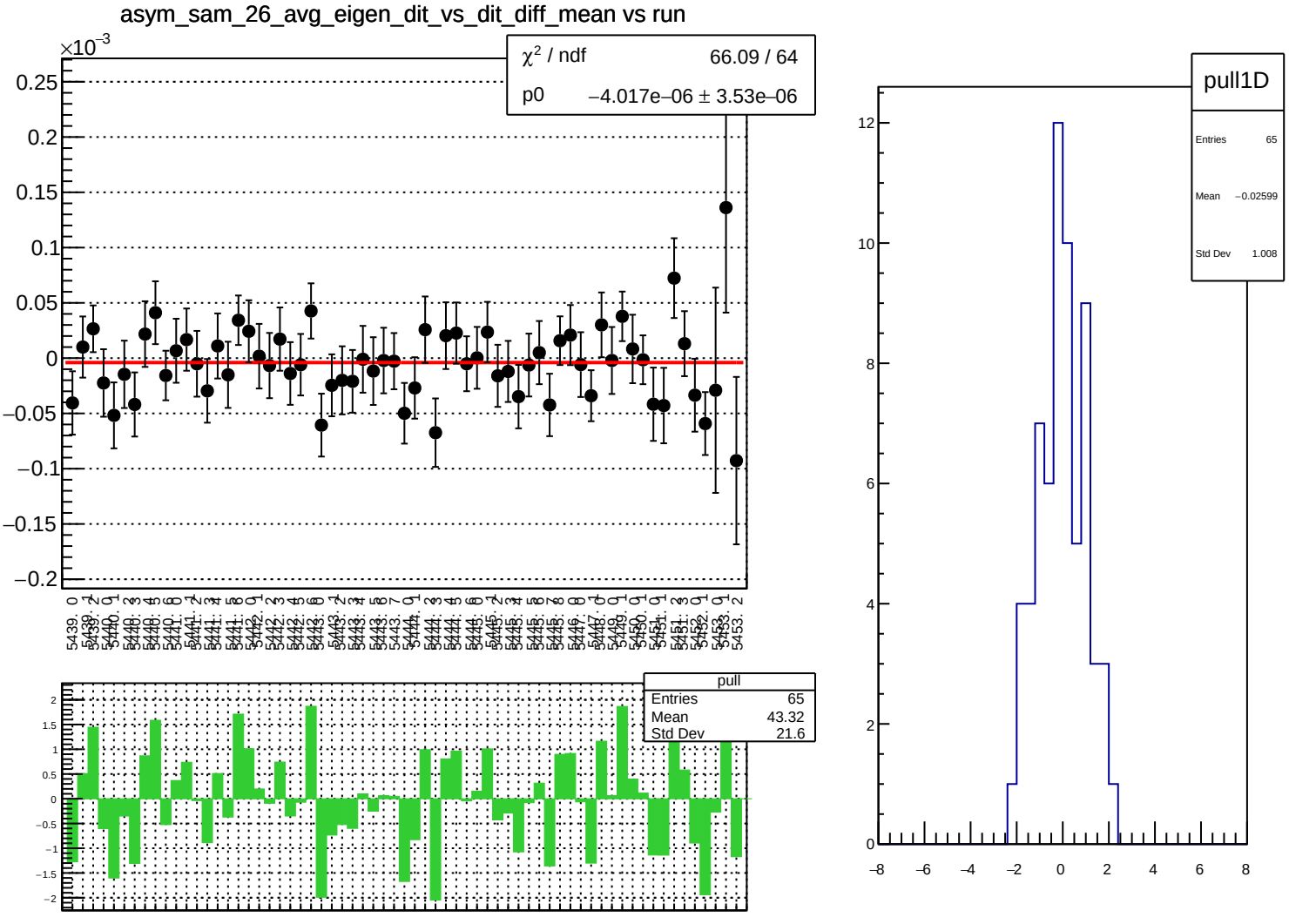

pull1D
Entries 65
Mean 0.005519
Std Dev 1.123

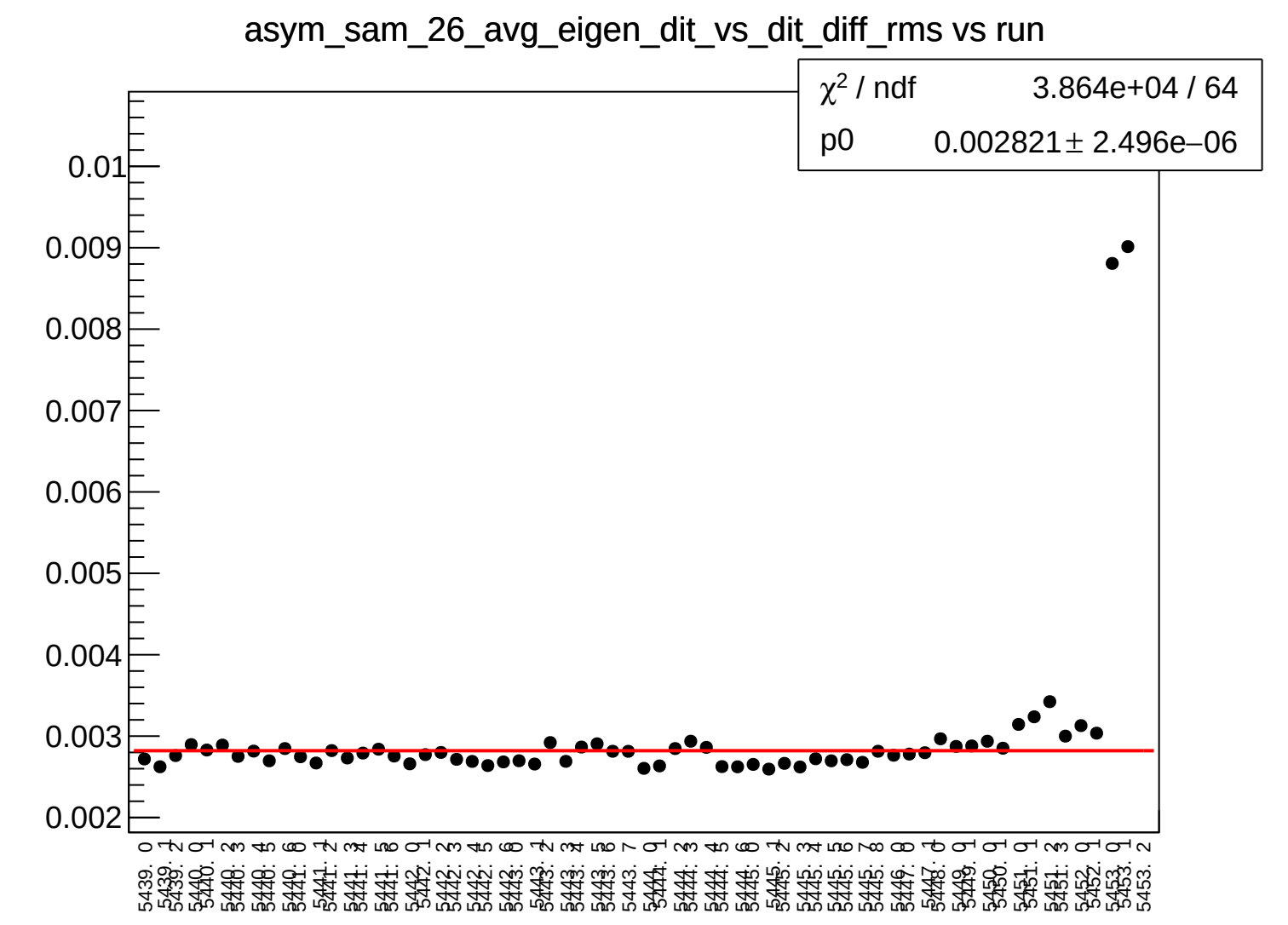

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.928e+04 / 64
p0 142.4 ± 0.125
280
260
240
220
200
180
160
140
120
100

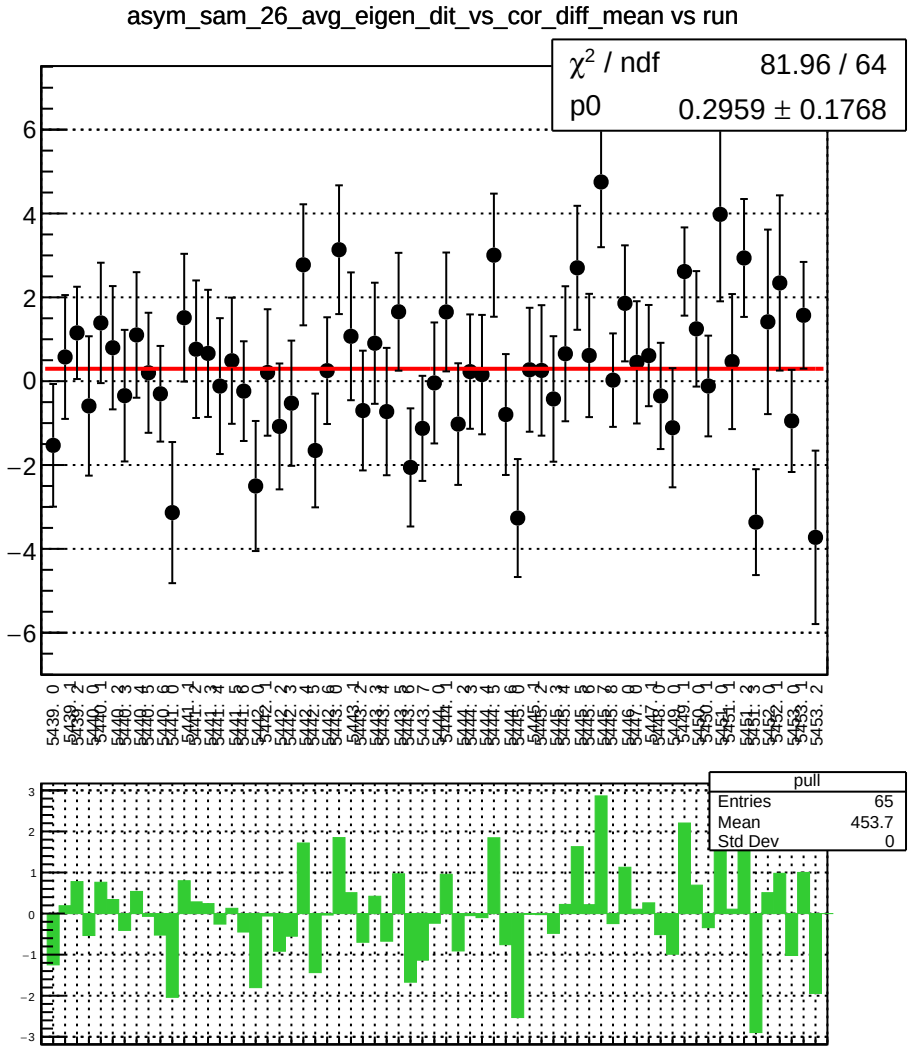

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.96 / 64
p0 0.2959 ± 0.1768
pull
Entries 65
Mean 453.6
Std Dev 0

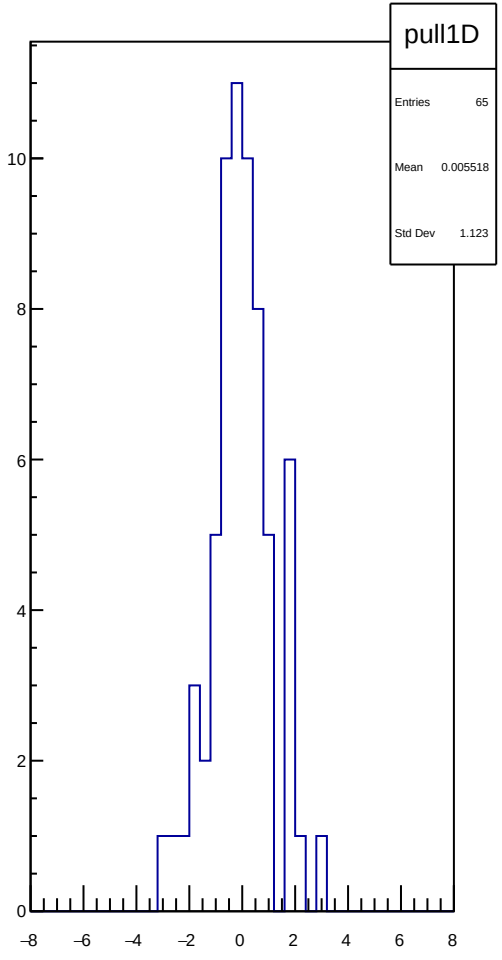

pull1D
Entries 65
Mean 0.005519
Std Dev 1.123

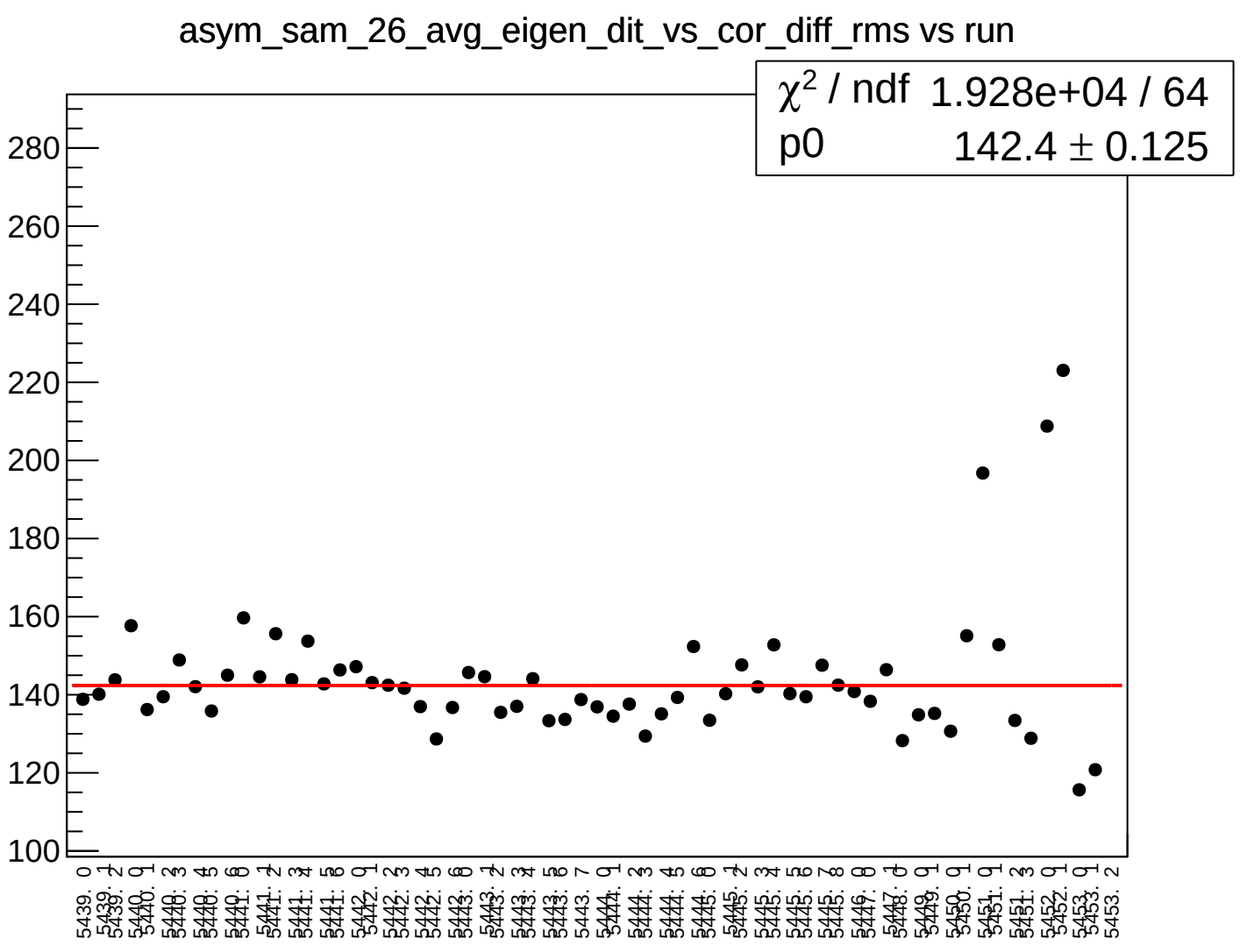

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.928e+04 / 64
p0 142.4 ± 0.125
280
260
240
220
200
180
160
140
120
100

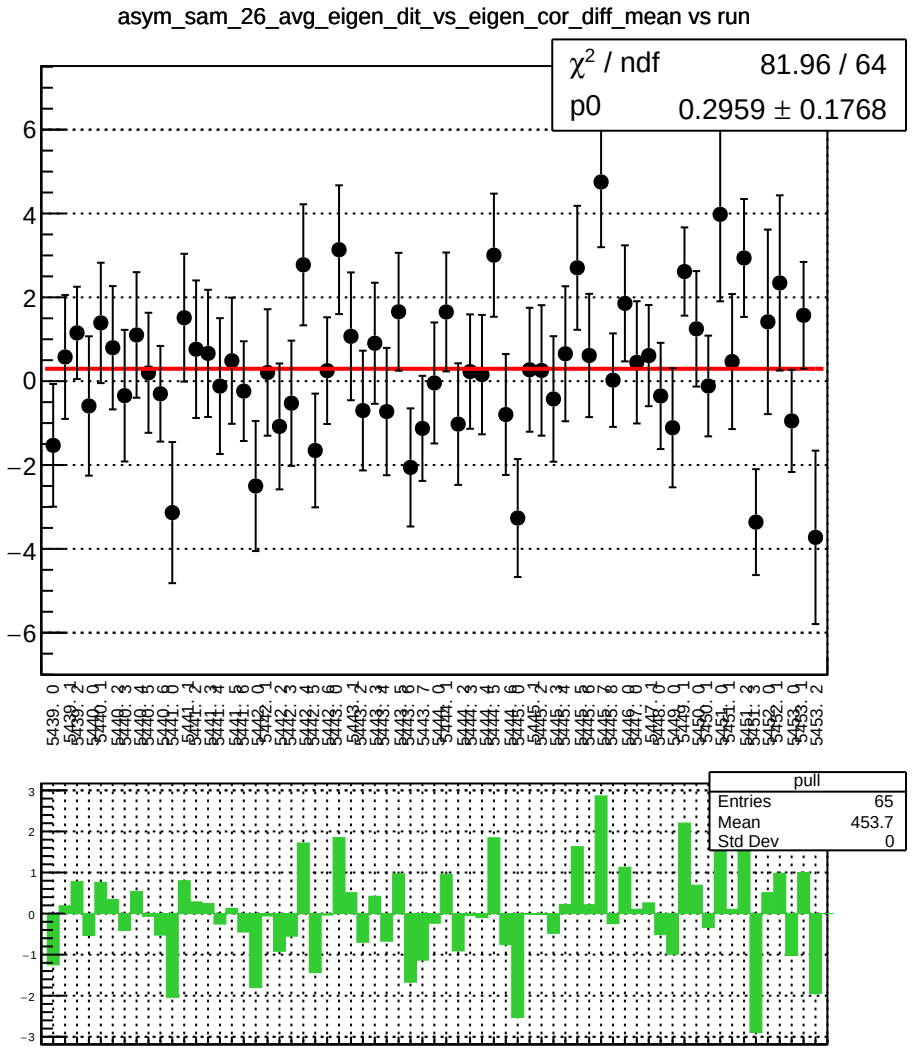

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.09 / 64
p0 −4.017e−06 ± 3.53e−06
pull
Entries 65
Mean 43.32
Std Dev 21.6
pull1D
Entries 65
Mean −0.02599
Std Dev 1.008

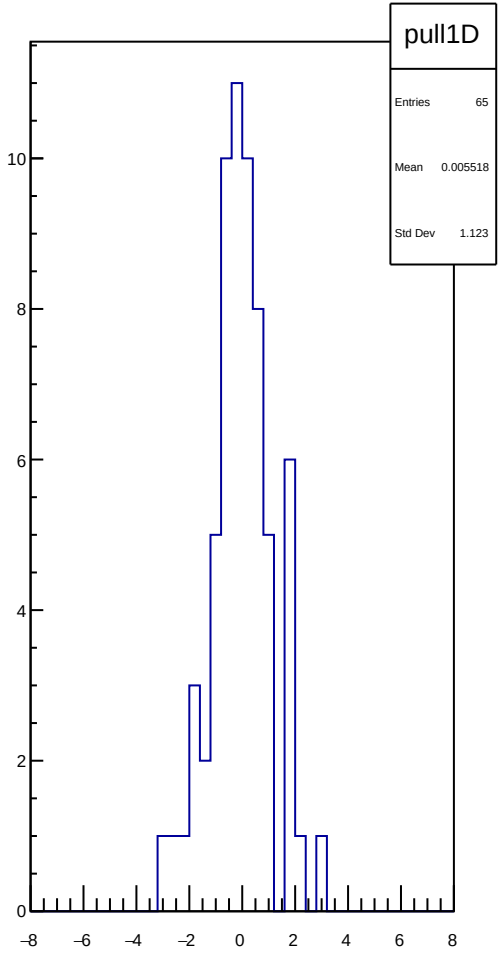

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.864e+04 / 64
p0 0.002821 ± 2.496e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

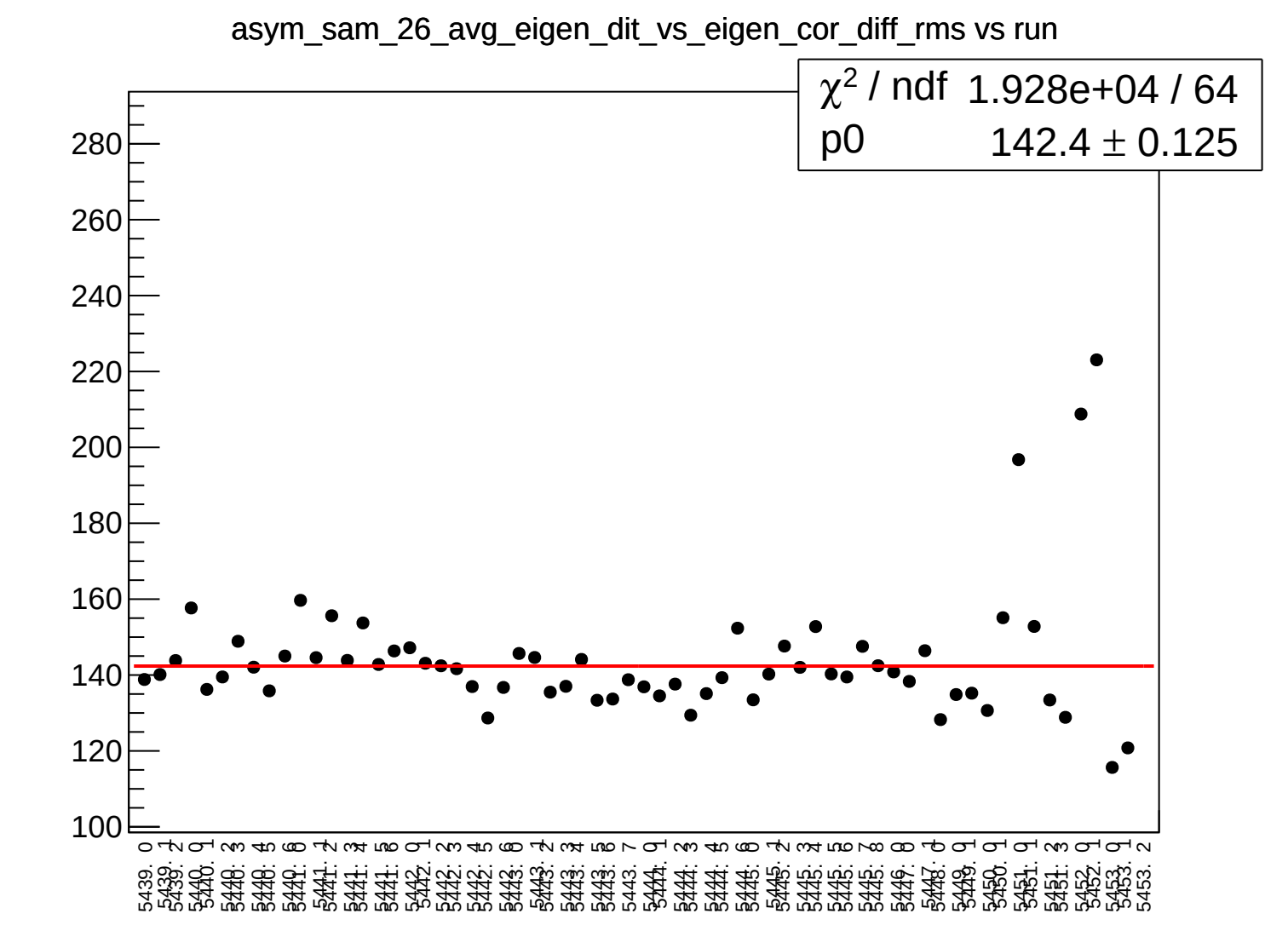

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.96 / 64
p0 0.2959 ± 0.1768
pull
Entries 65
Mean 453.7
Std Dev 0

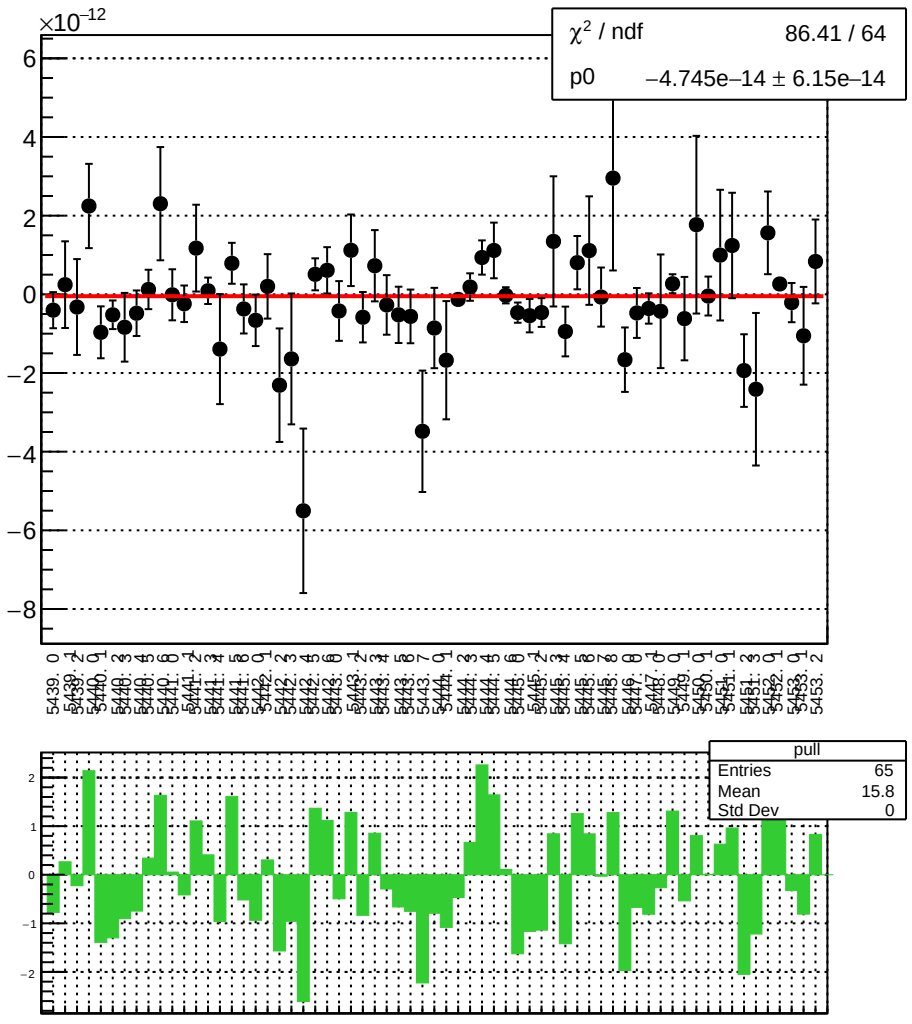

pull1D
Entries 65
Mean 0.005518
Std Dev 1.123

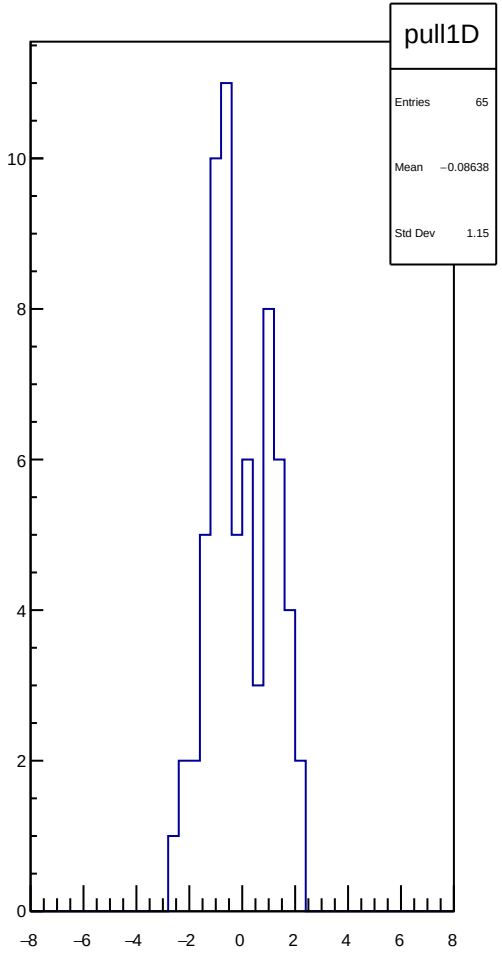

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.928e+04 / 64
p0 142.4 ± 0.125
280
260
240
220
200
180
160
140
120
100

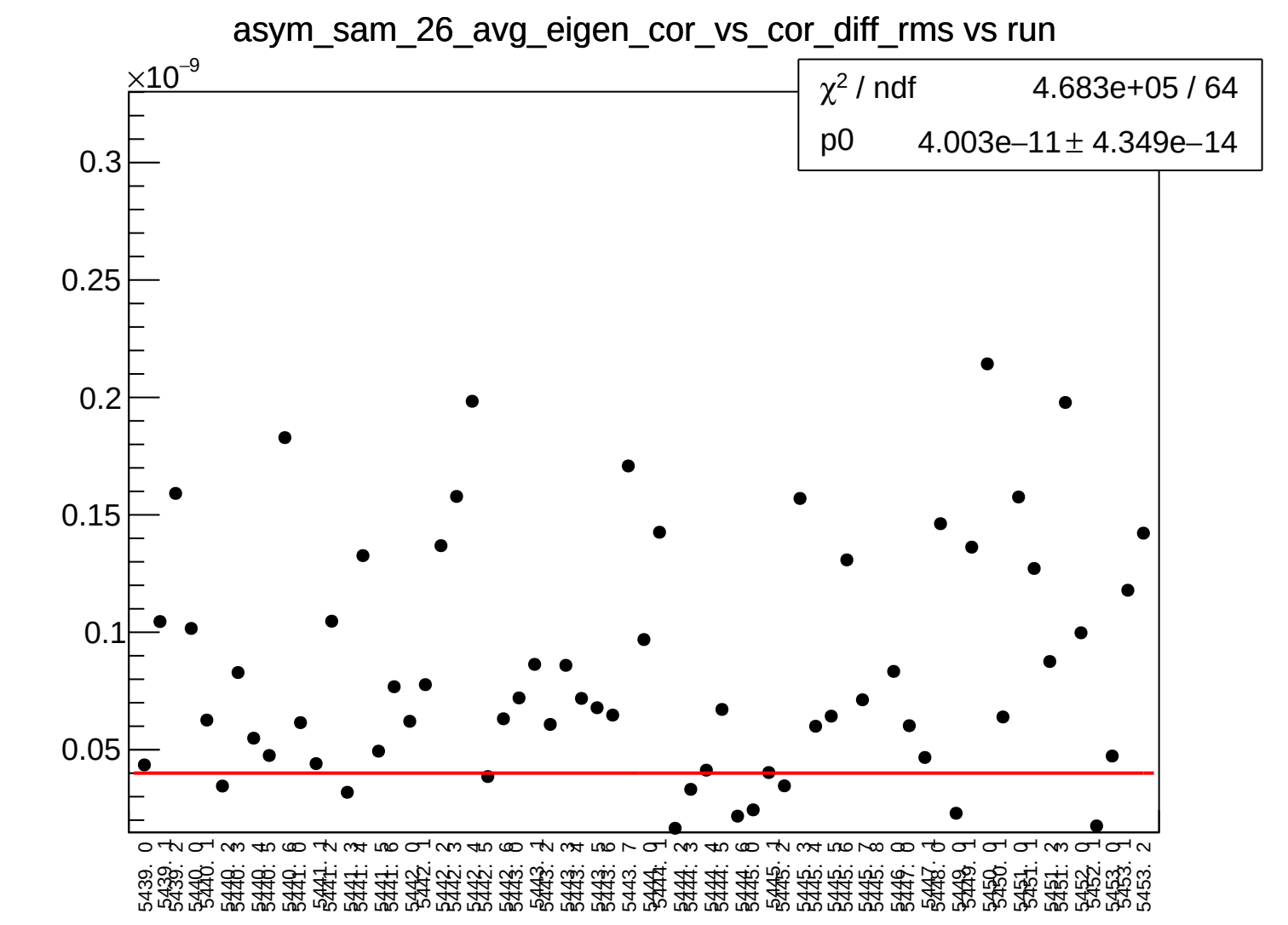

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.96 / 64
p0 0.2959 ± 0.1768
pull
Entries 65
Mean 453.7
Std Dev 0

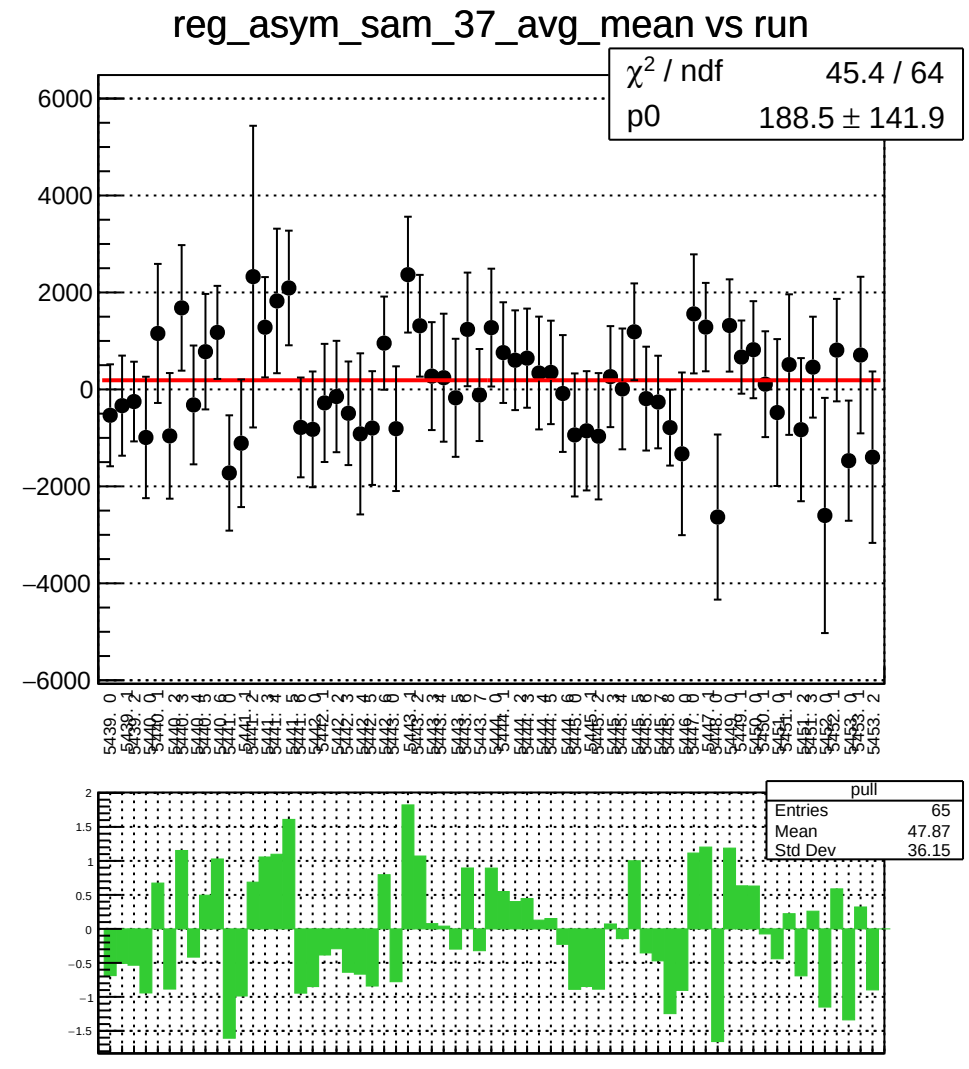

pull1D
Entries 65
Mean 0.005518
Std Dev 1.123

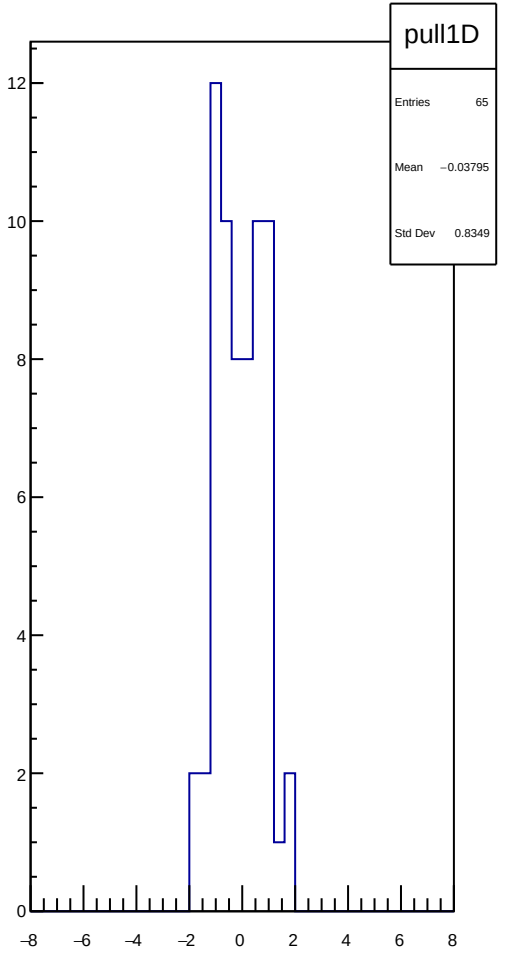

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.928e+04 / 64
p0 142.4 ± 0.125
280
260
240
220
200
180
160
140
120
100

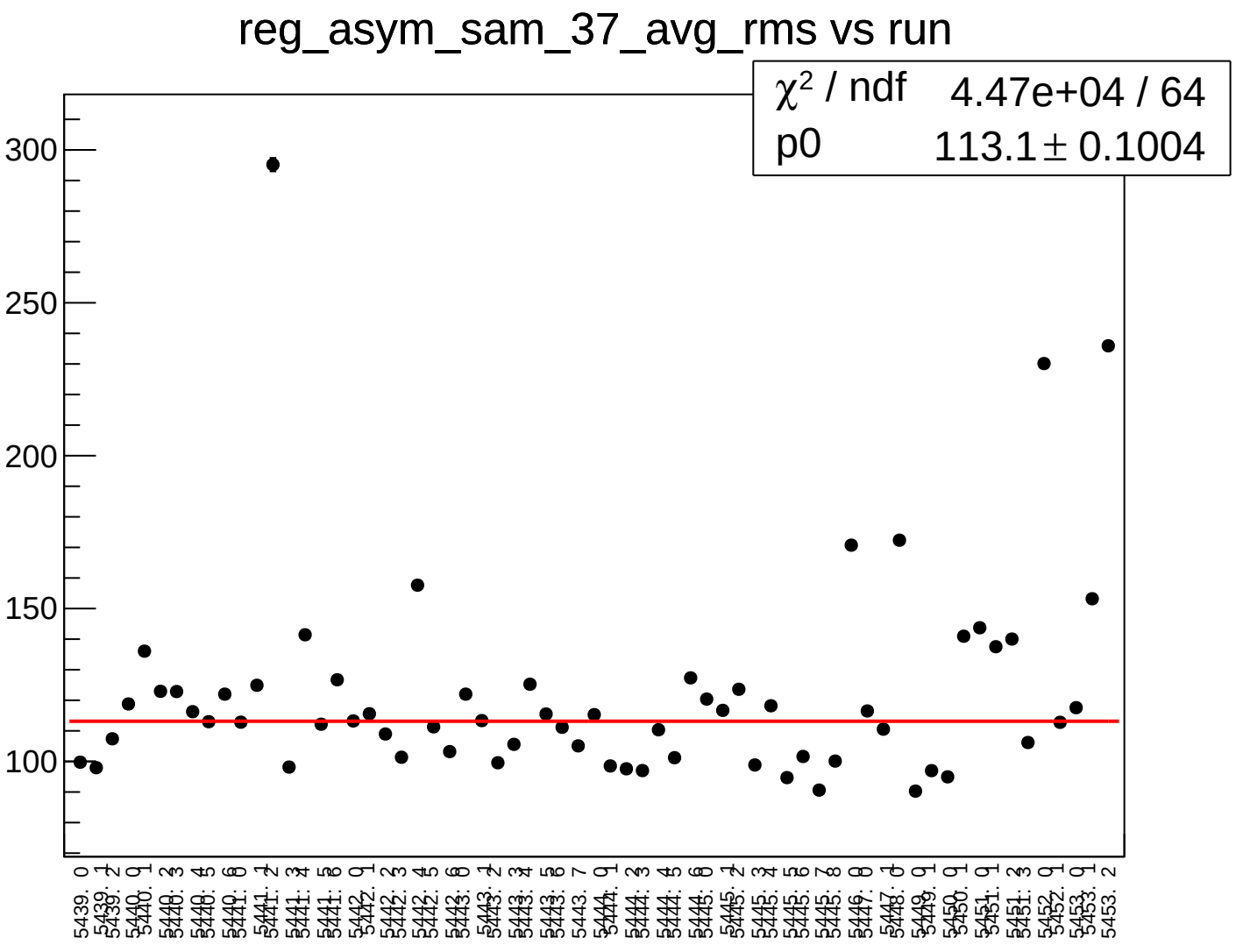

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 86.41 / 64
p0 −4.745e−14 ± 6.15e−14
pull
Entries 65
Mean 15.8
Std Dev 0

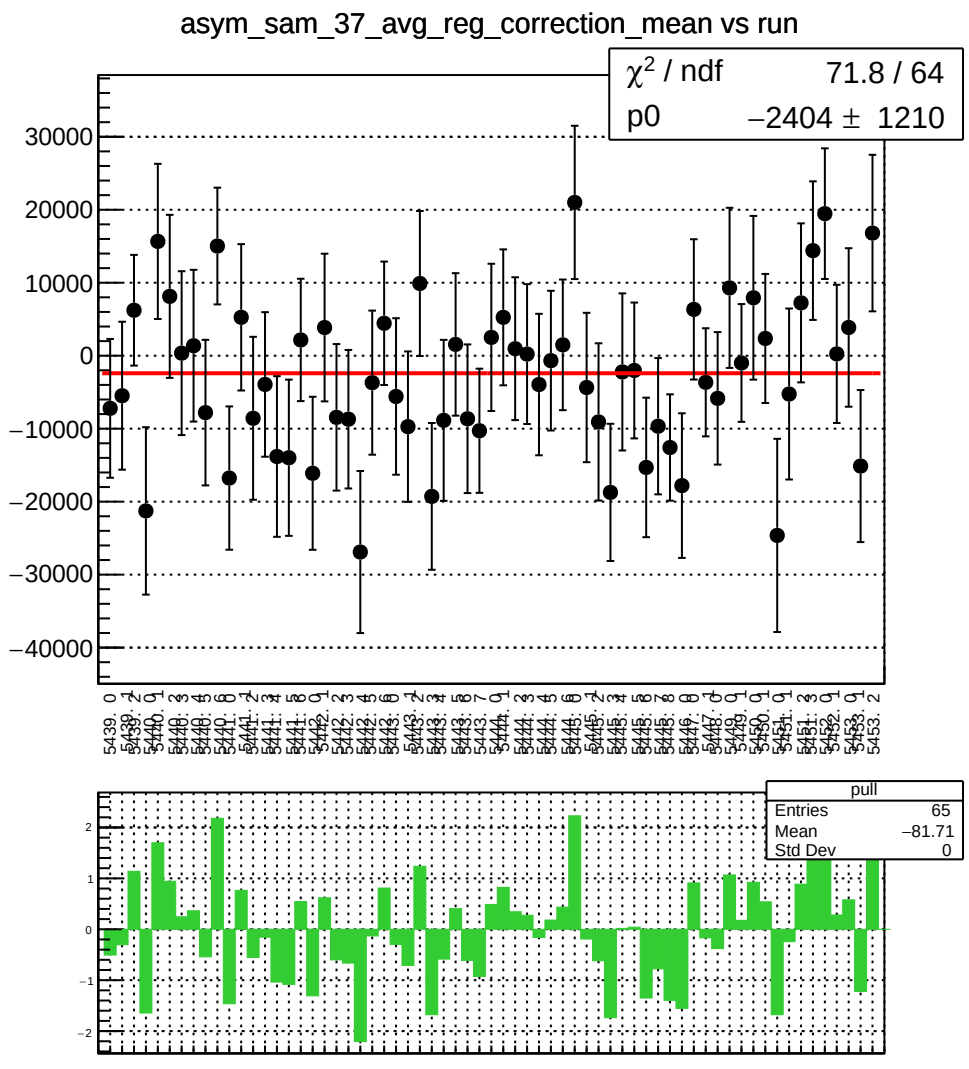

pull1D
Entries 65
Mean −0.08638
Std Dev 1.15

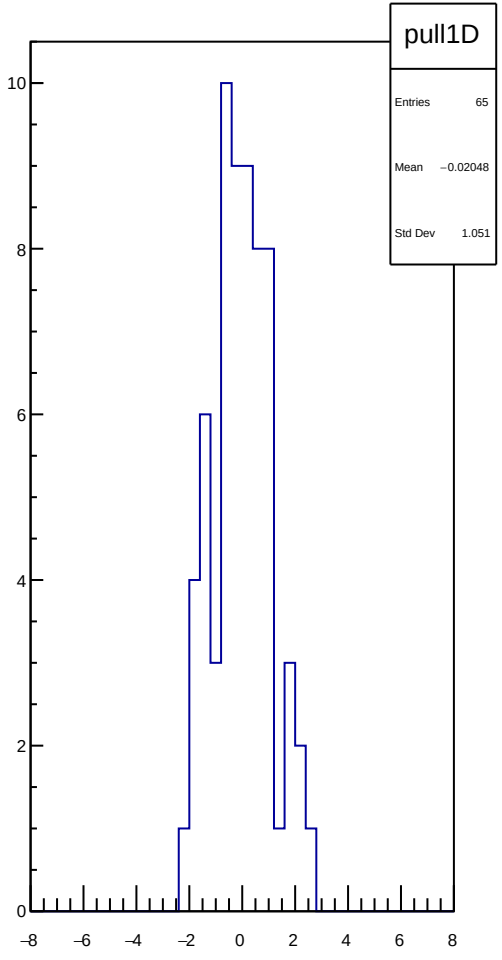

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.683e+05 / 64
p0 4.003e−11 ± 4.349e−14
0.3
0.25
0.2
0.15
0.1
0.05

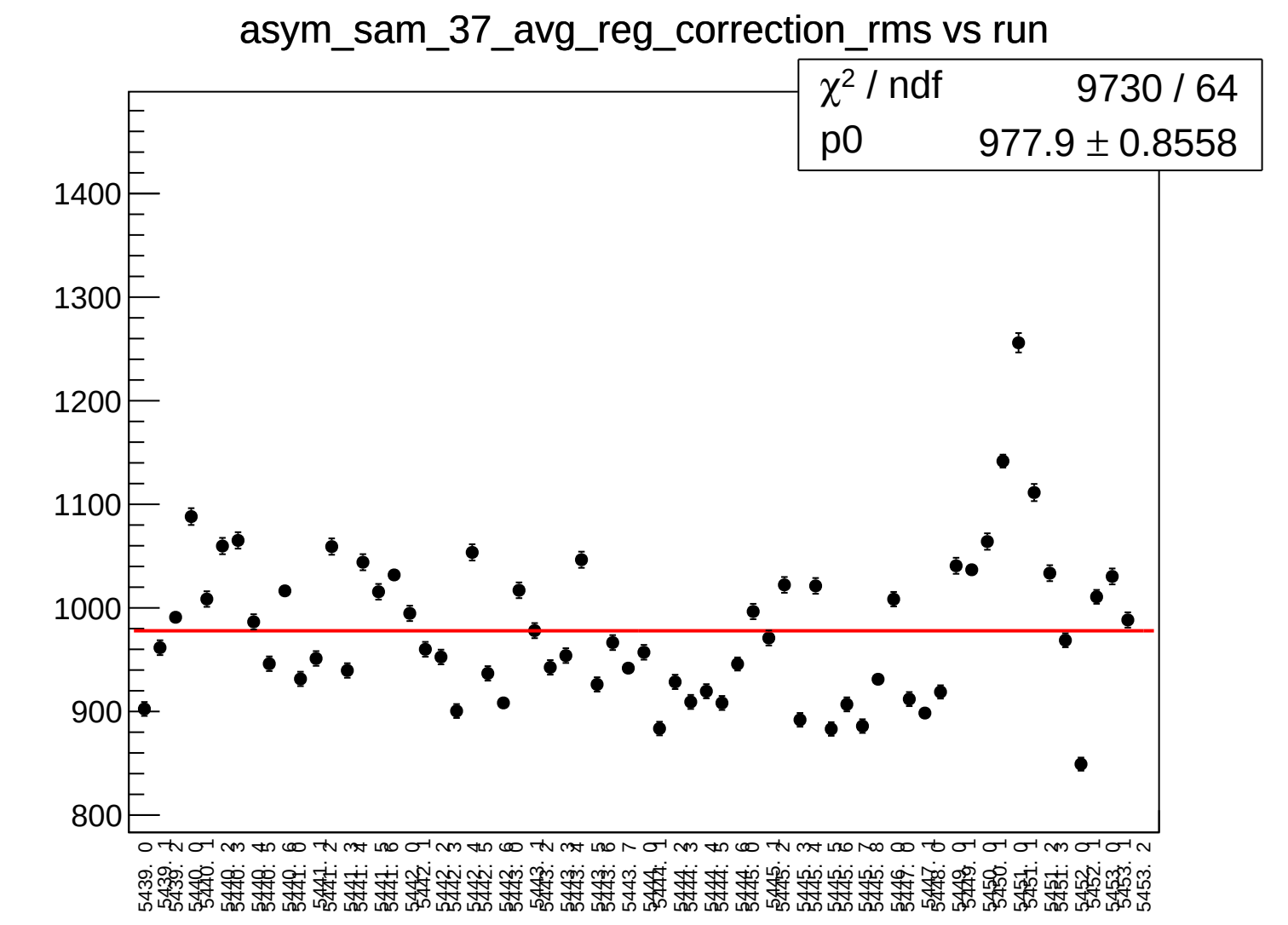

reg_asym_sam_37_avg_mean vs run
χ² / ndf 45.4 / 64
p0 188.5 ± 141.9
pull
Entries 65
Mean 47.87
Std Dev 36.15

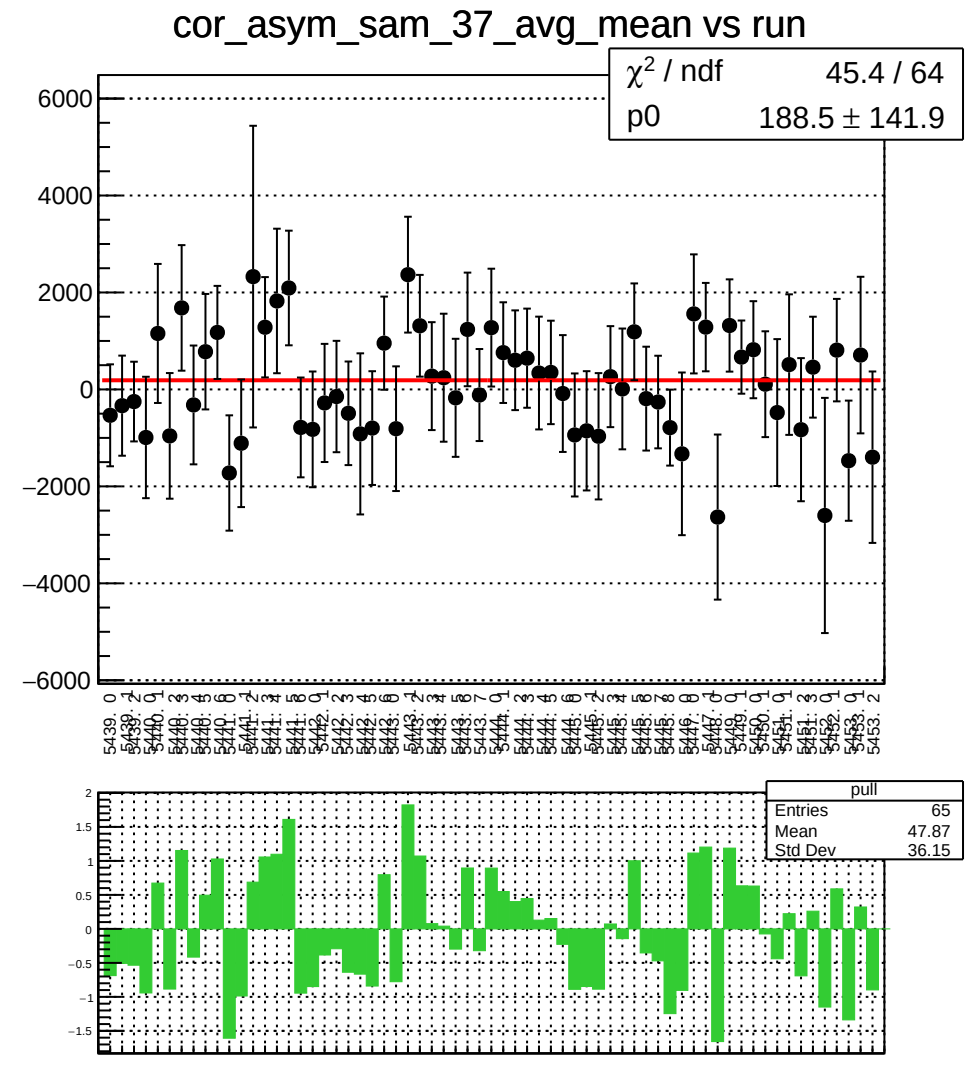

pull1D
Entries 65
Mean −0.03795
Std Dev 0.8349

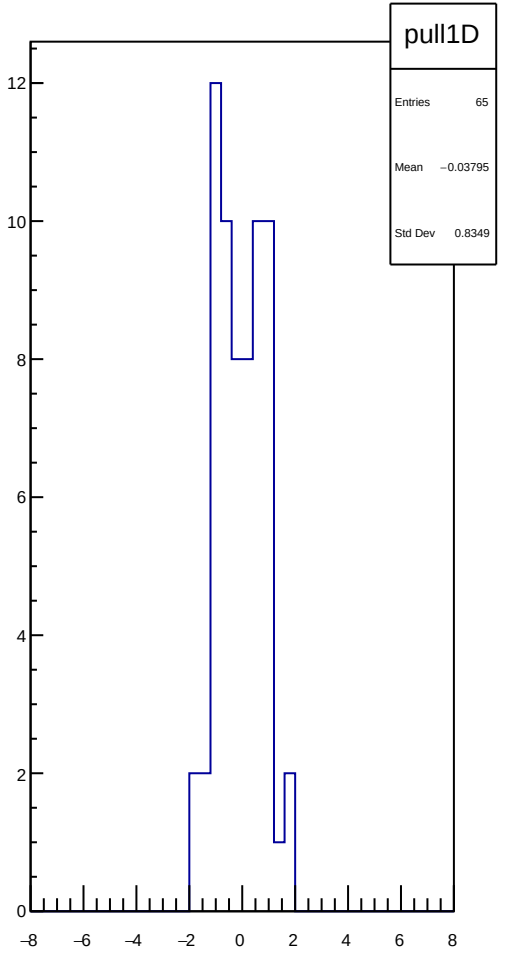

reg_asym_sam_37_avg_rms vs run
χ² / ndf 4.47e+04 / 64
p0 113.1 ± 0.1004
300
250
200
150
100

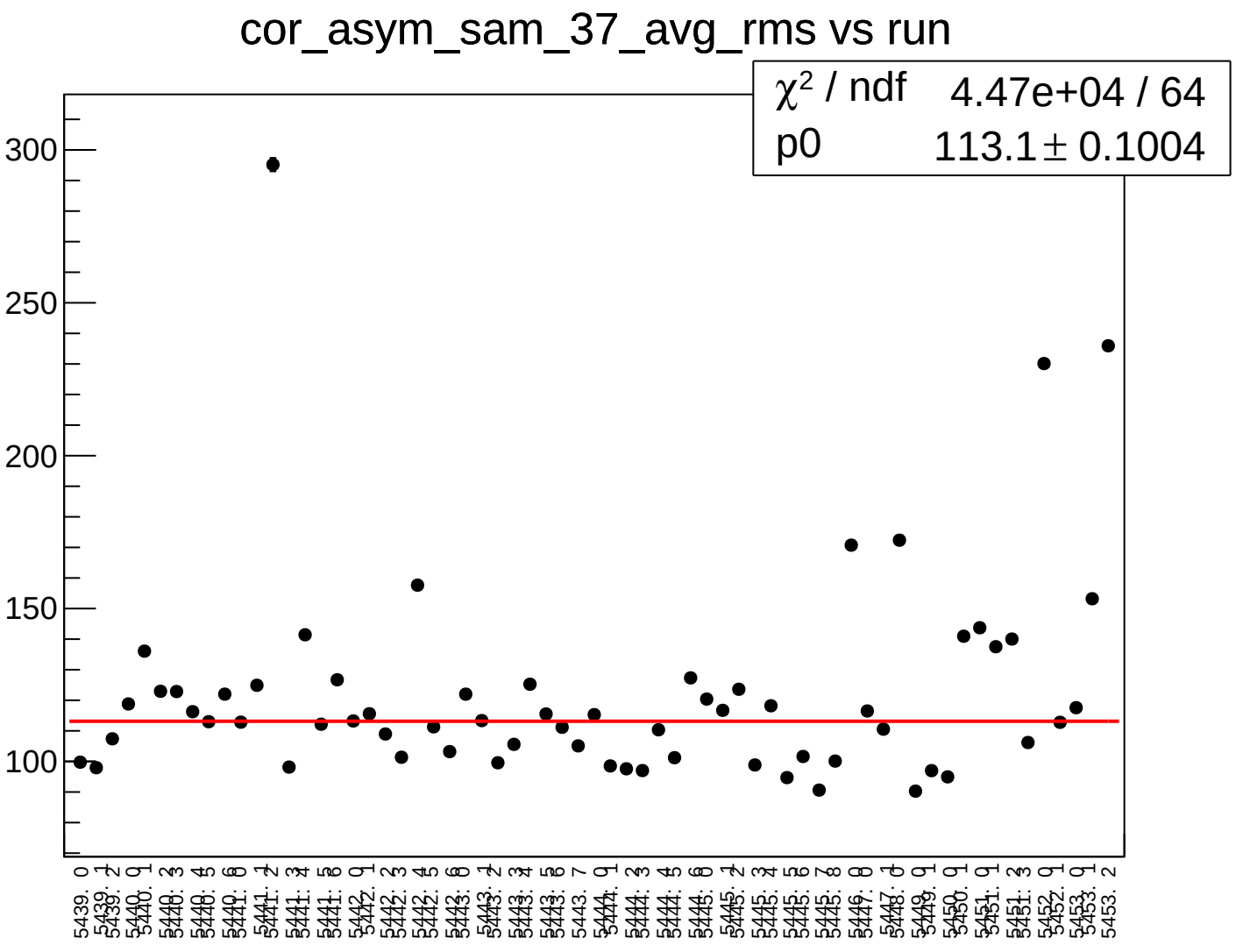

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 71.8 / 64
p0 −2404 ± 1210
pull
Entries 65
Mean −81.71
Std Dev 0

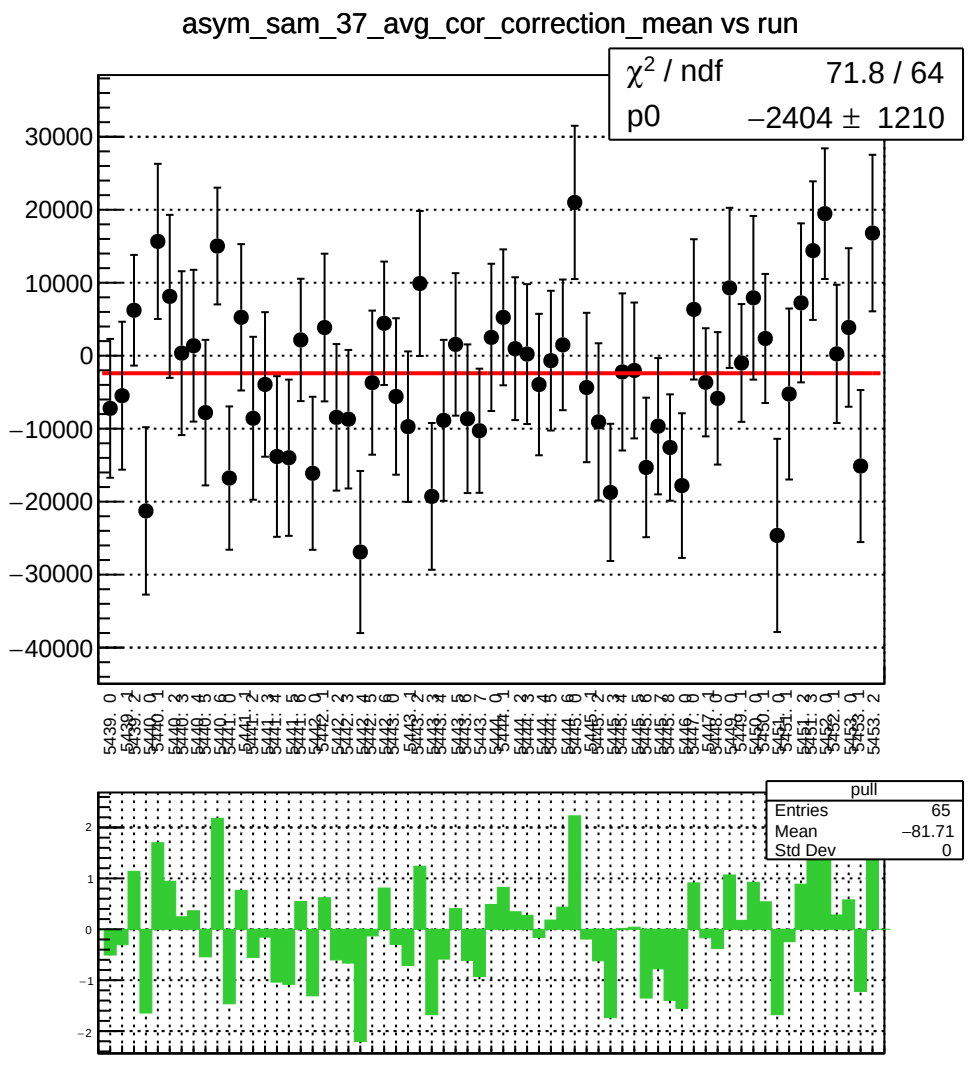

pull1D
Entries 65
Mean −0.02048
Std Dev 1.051

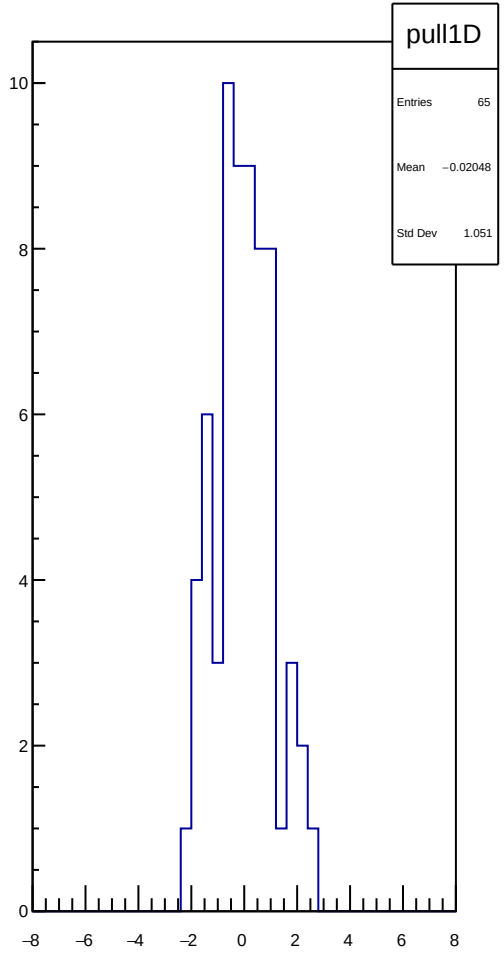

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 9730 / 64
p0 977.9 ± 0.8558
1400
1300
1200
1100
1000
900
800

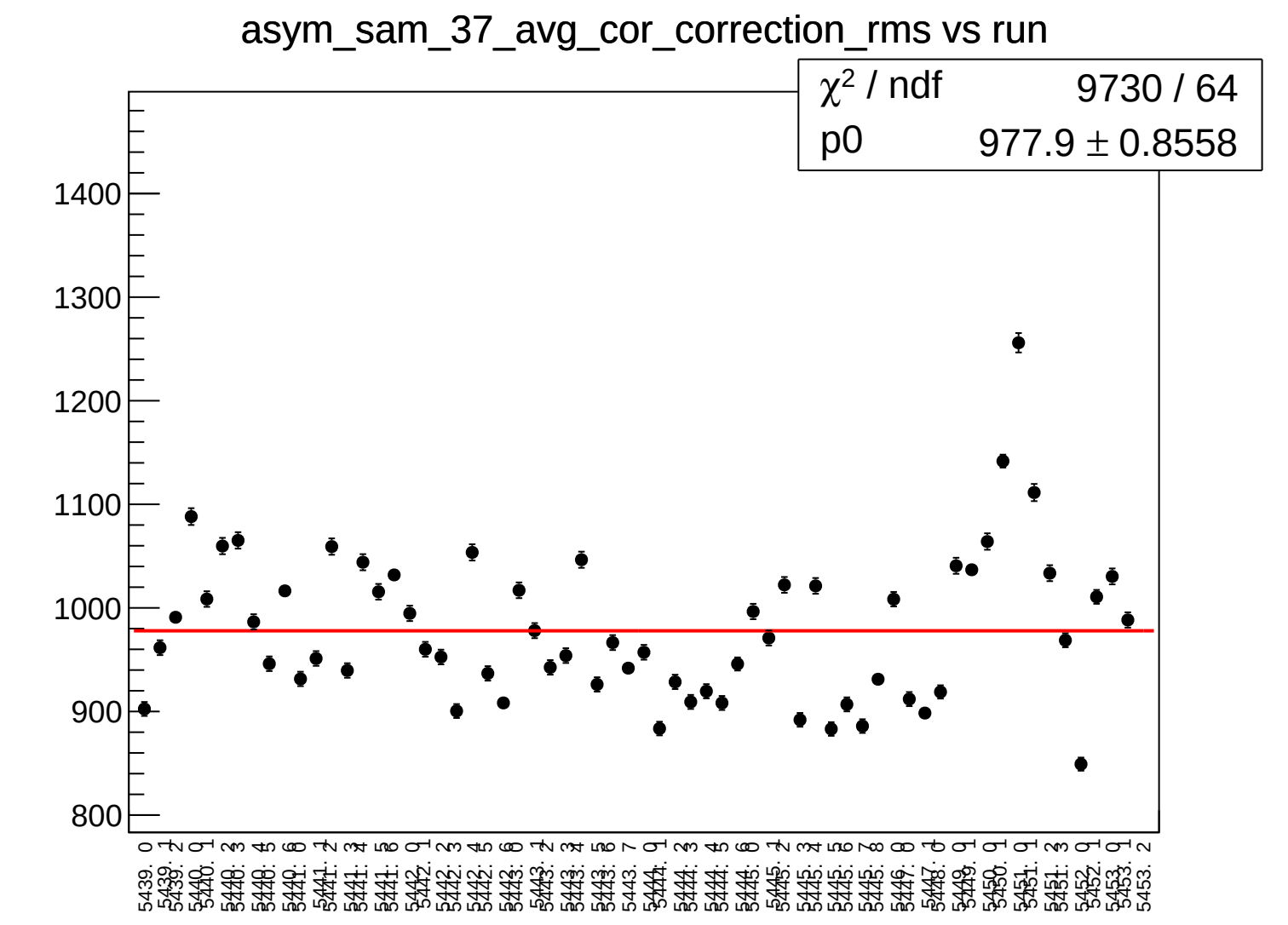

cor_asym_sam_37_avg_mean vs run
χ² / ndf 45.4 / 64
p0 188.5 ± 141.9
pull
Entries 65
Mean 47.87
Std Dev 36.15

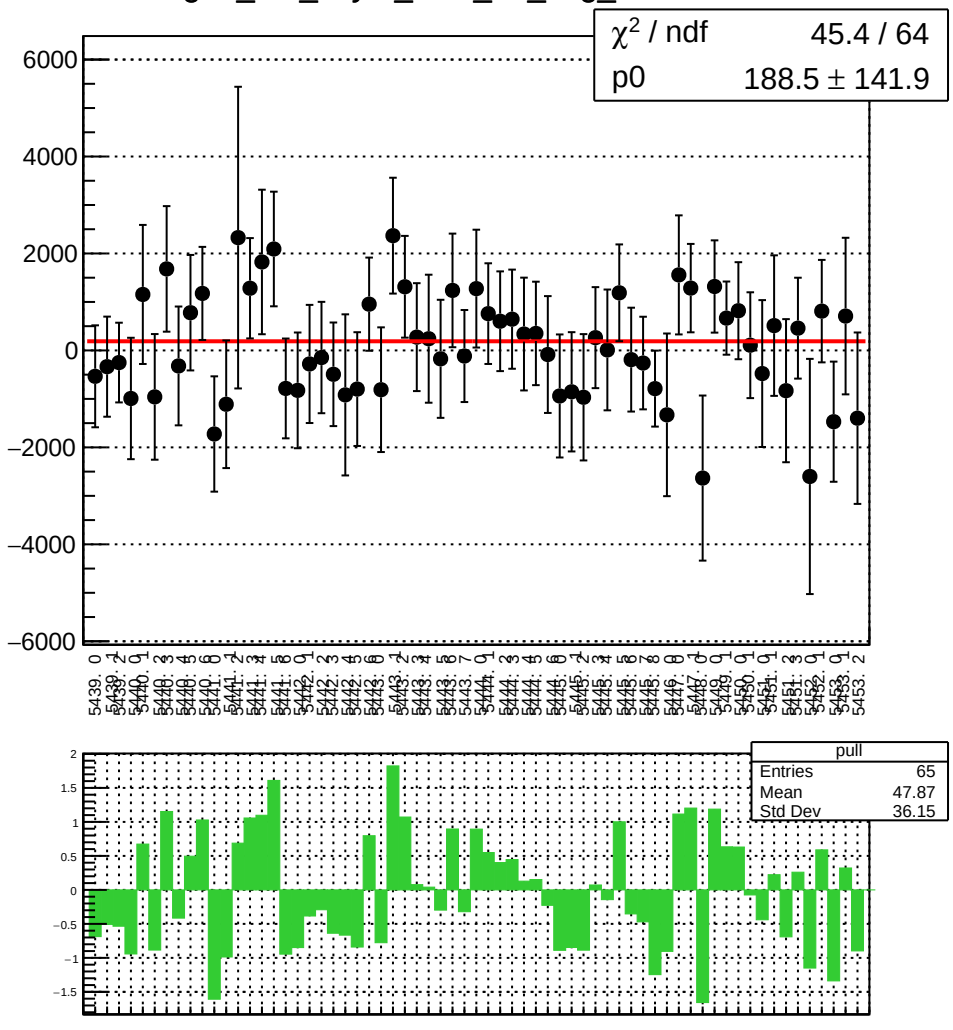

pull1D
Entries 65
Mean −0.03795
Std Dev 0.8349

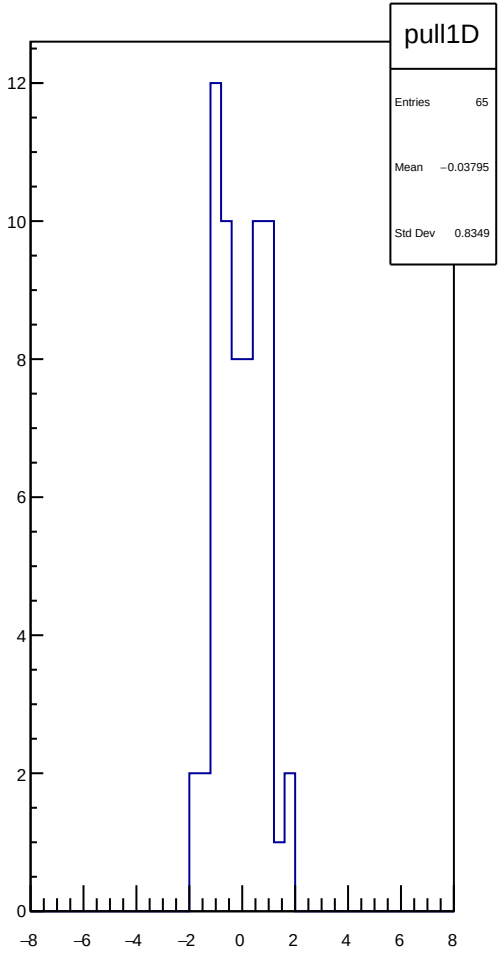

cor_asym_sam_37_avg_rms vs run
χ² / ndf 4.47e+04 / 64
p0 113.1 ± 0.1004
300
250
200
150
100

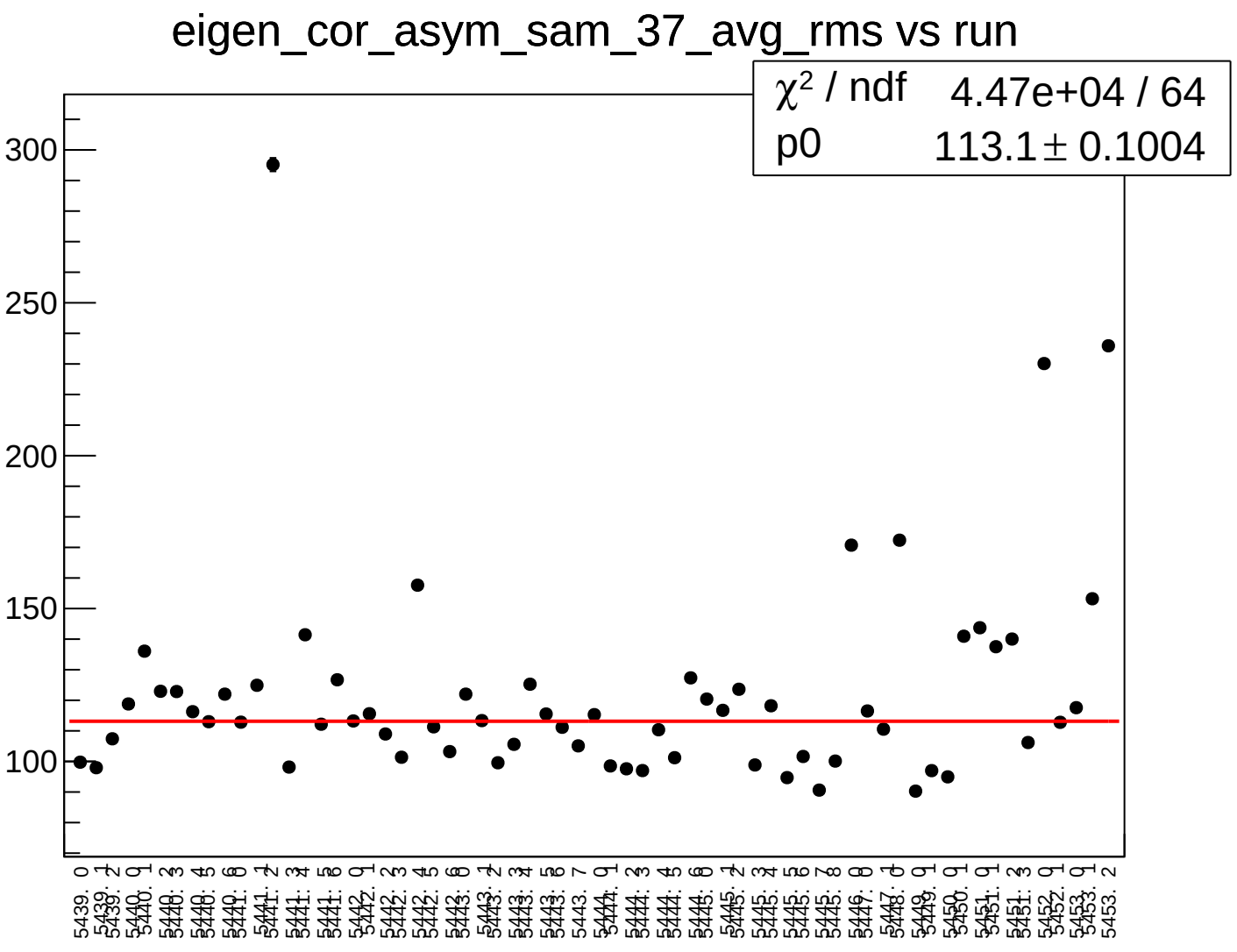

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 71.8 / 64
p0 −2404 ± 1210
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean −81.71
Std Dev 0
2
1
0
−1
−2

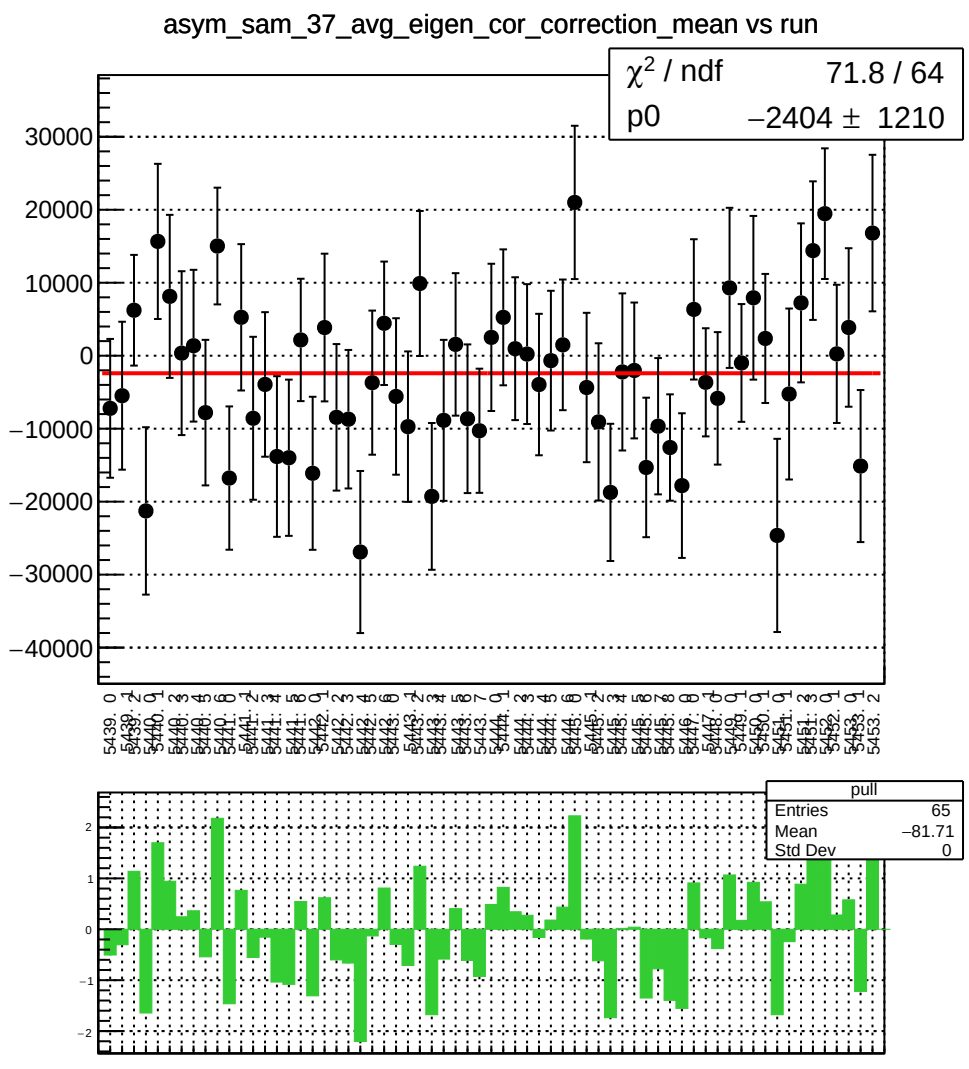

pull1D
Entries 65
Mean −0.02048
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

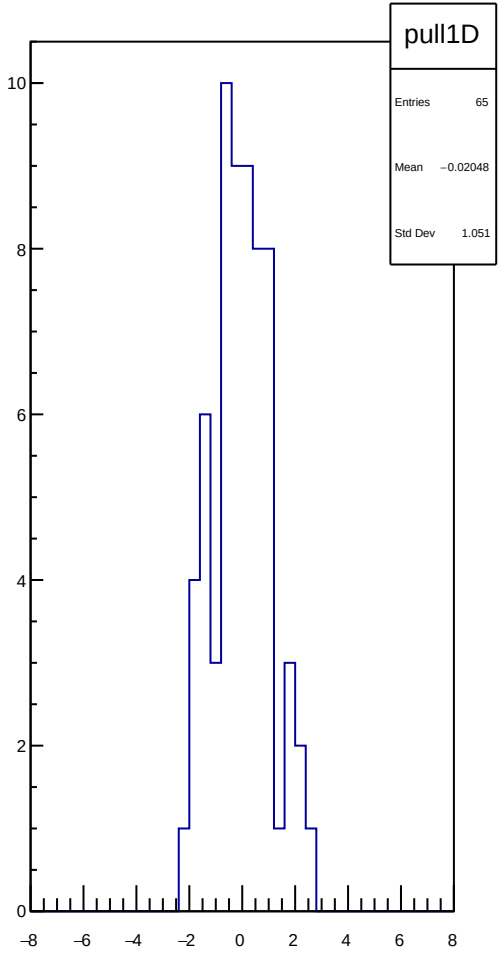

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 9730 / 64
p0 977.9 ± 0.8558
1400
1300
1200
1100
1000
900
800

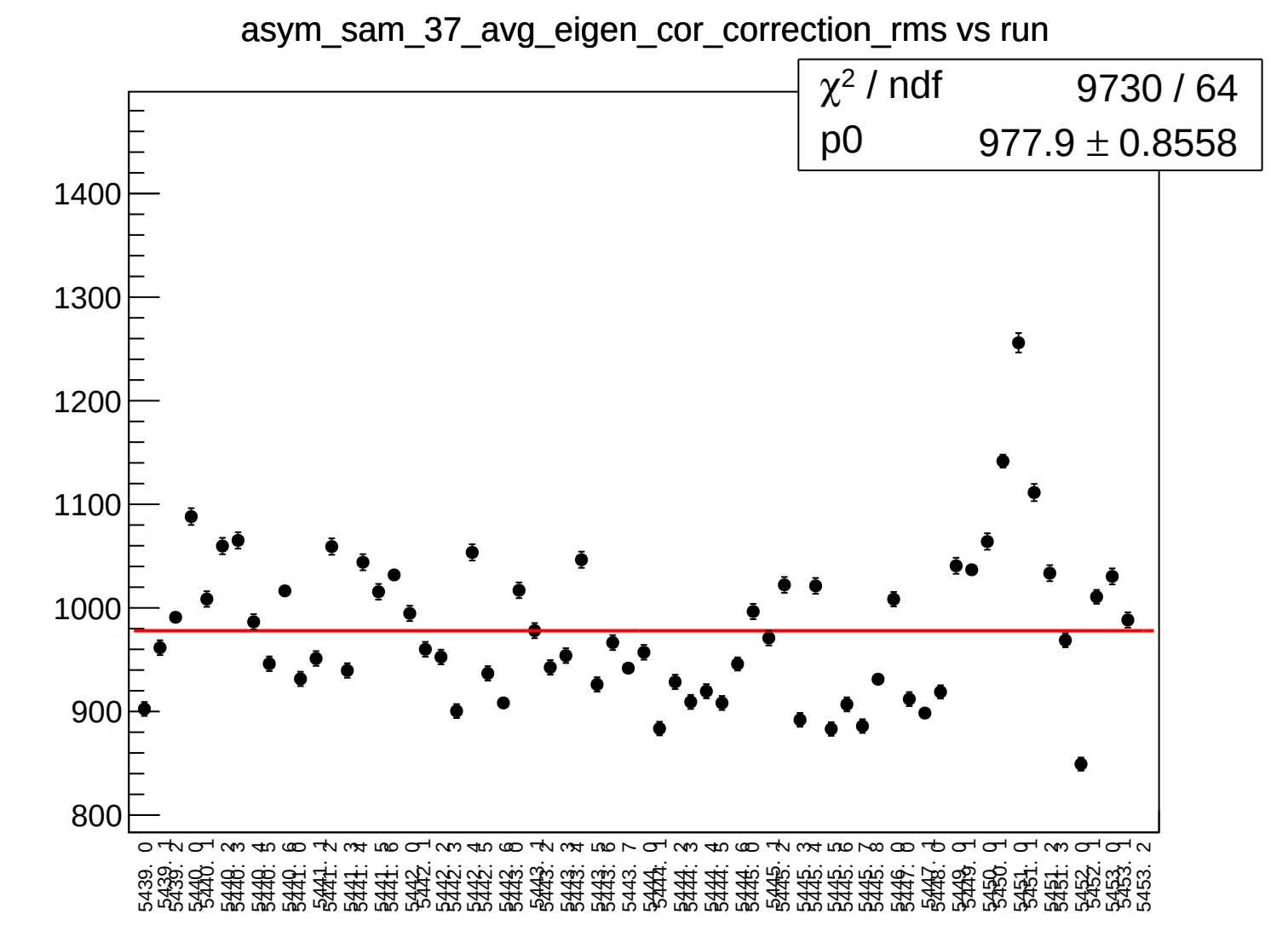

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 45.4 / 64
p0 188.5 ± 141.9
pull
Entries 65
Mean 47.87
Std Dev 36.15

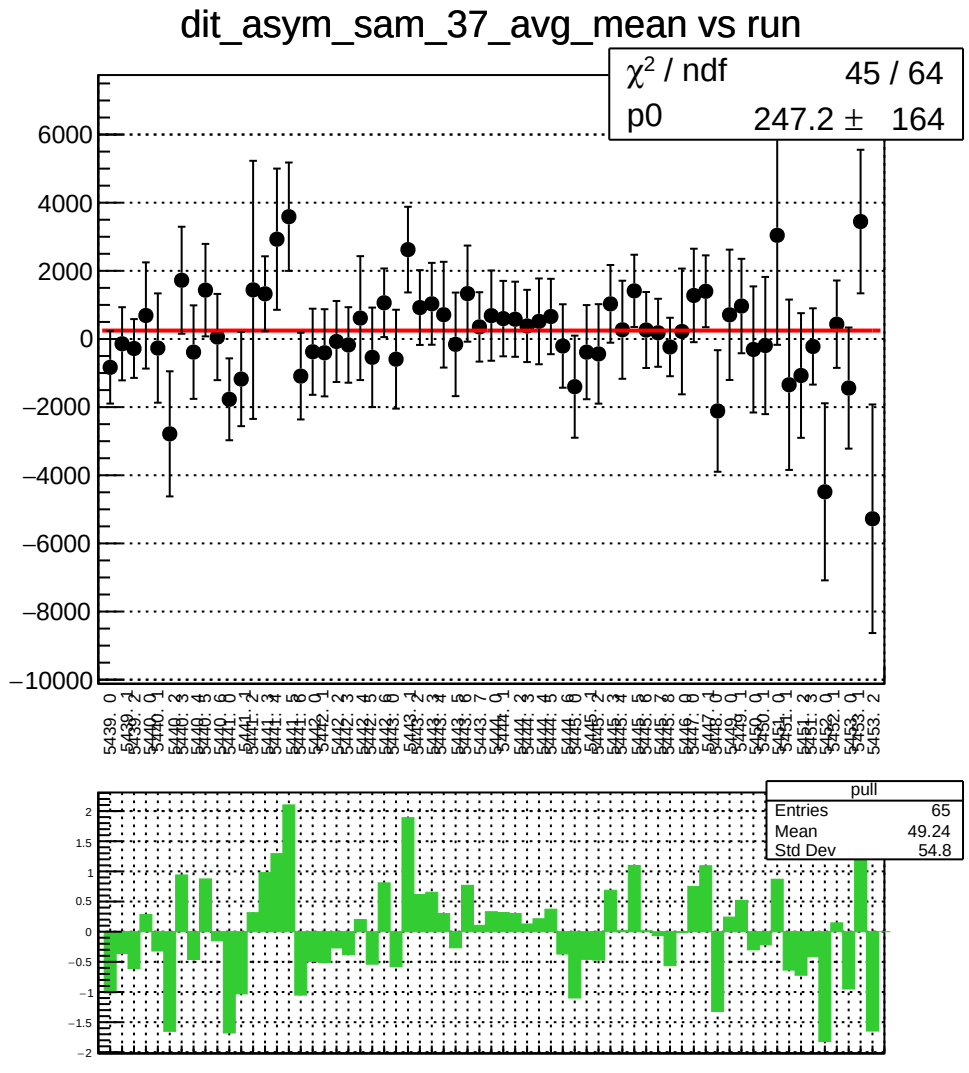

pull1D
Entries 65
Mean −0.03795
Std Dev 0.8349

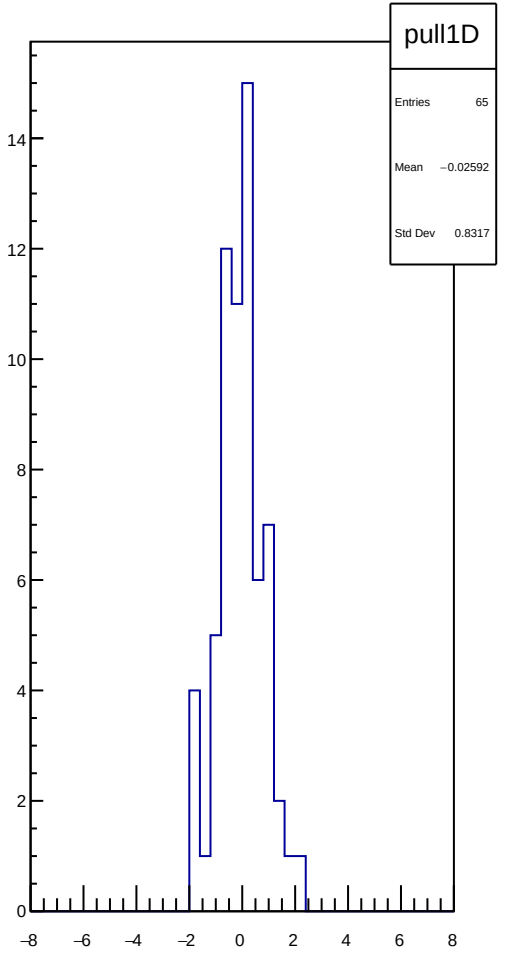

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 4.47e+04 / 64
p0 113.1 ± 0.1004
300
250
200
150
100

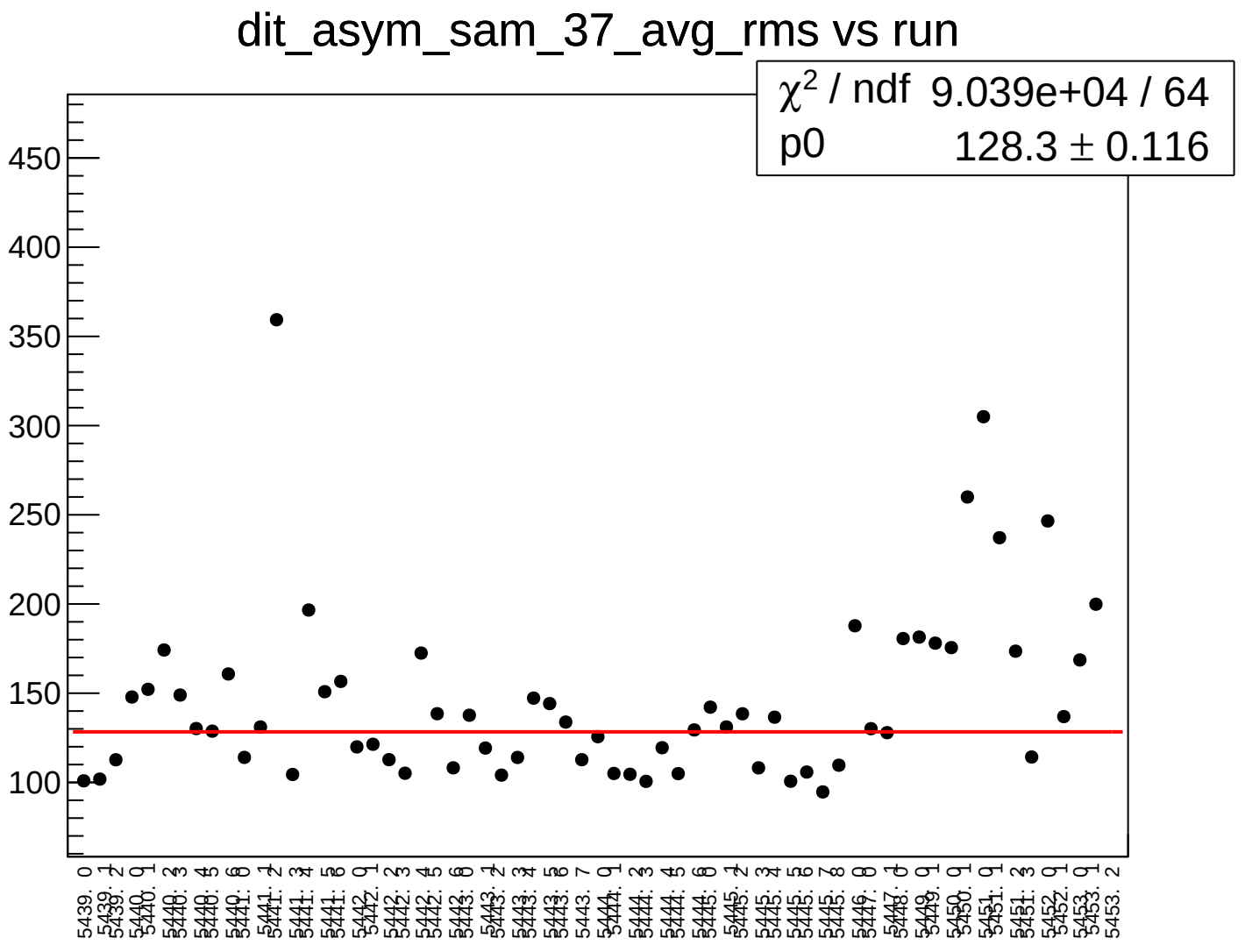

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.8 / 64
p0 −2404 ± 1210
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean −81.71
Std Dev 0
2
1
0
−1
−2

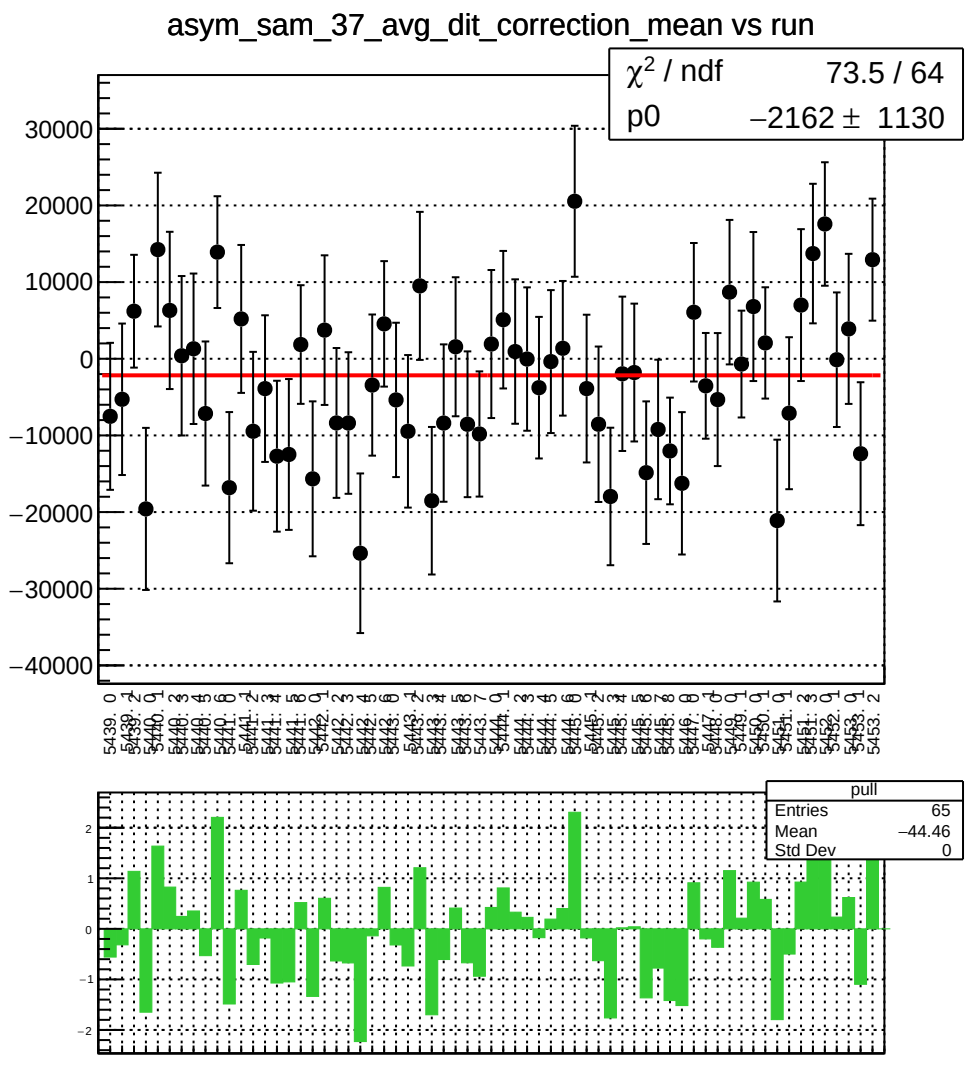

pull1D
Entries 65
Mean −0.02048
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

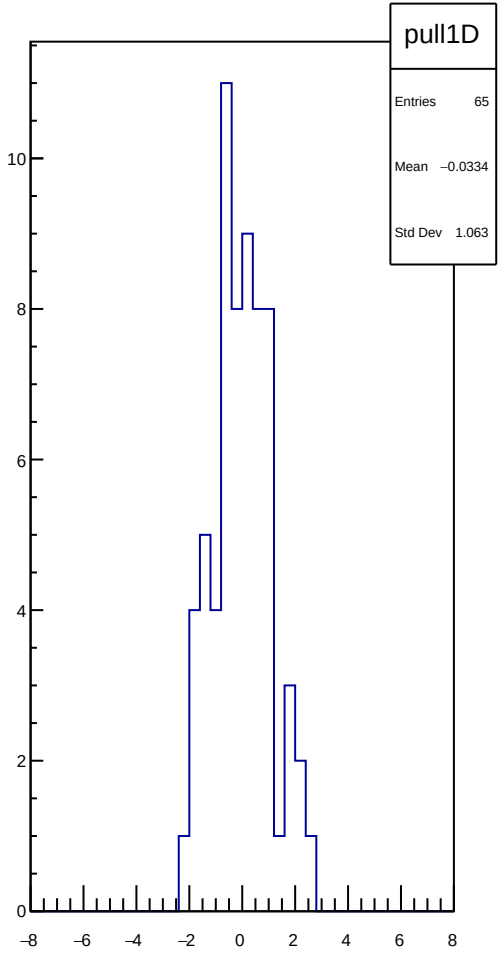

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 9730 / 64
p0 977.9 ± 0.8558
1400
1300
1200
1100
1000
900
800

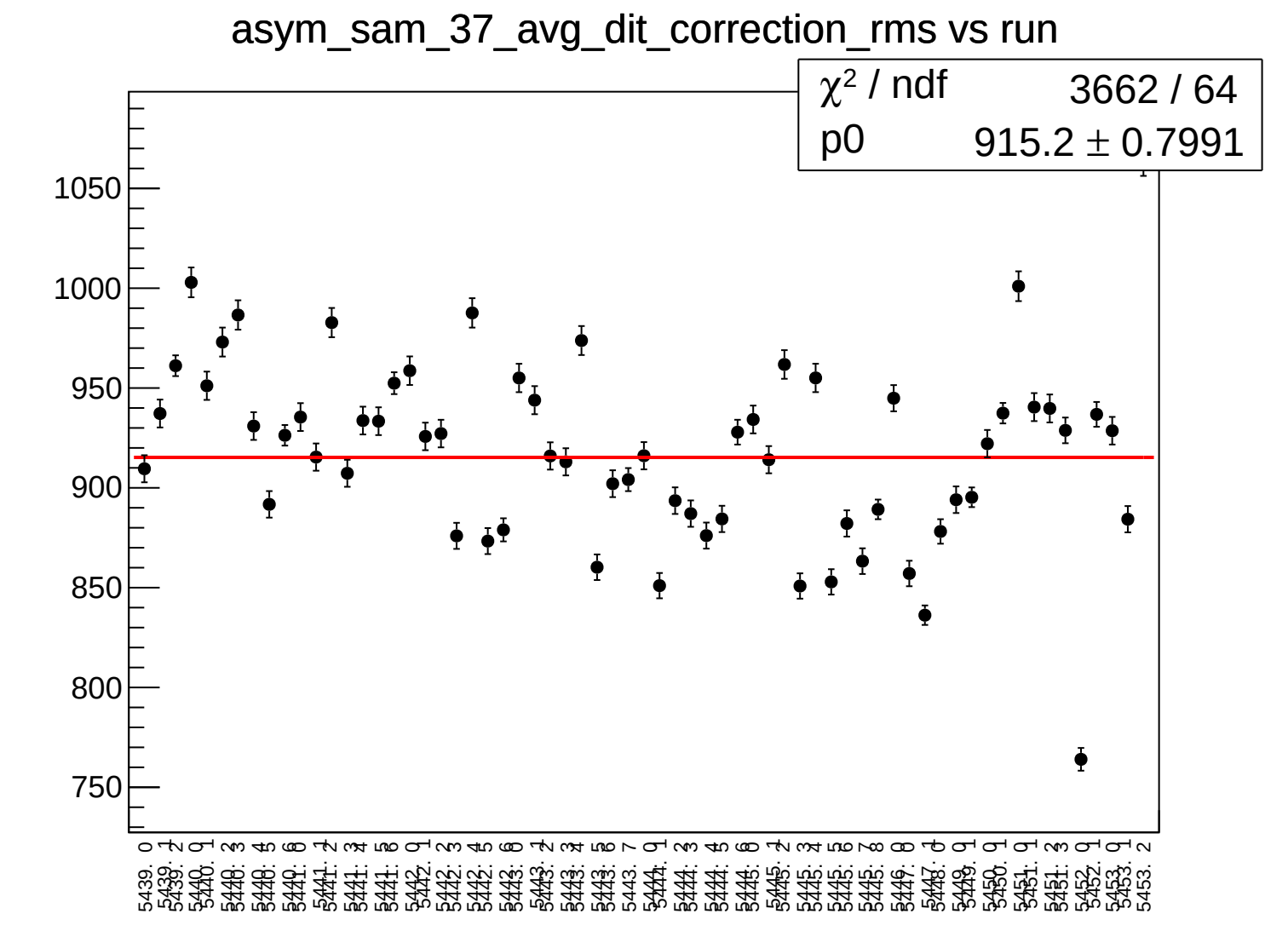

dit_asym_sam_37_avg_mean vs run
χ² / ndf 45 / 64
p0 247.2 ± 164
pull
Entries 65
Mean 49.24
Std Dev 54.8

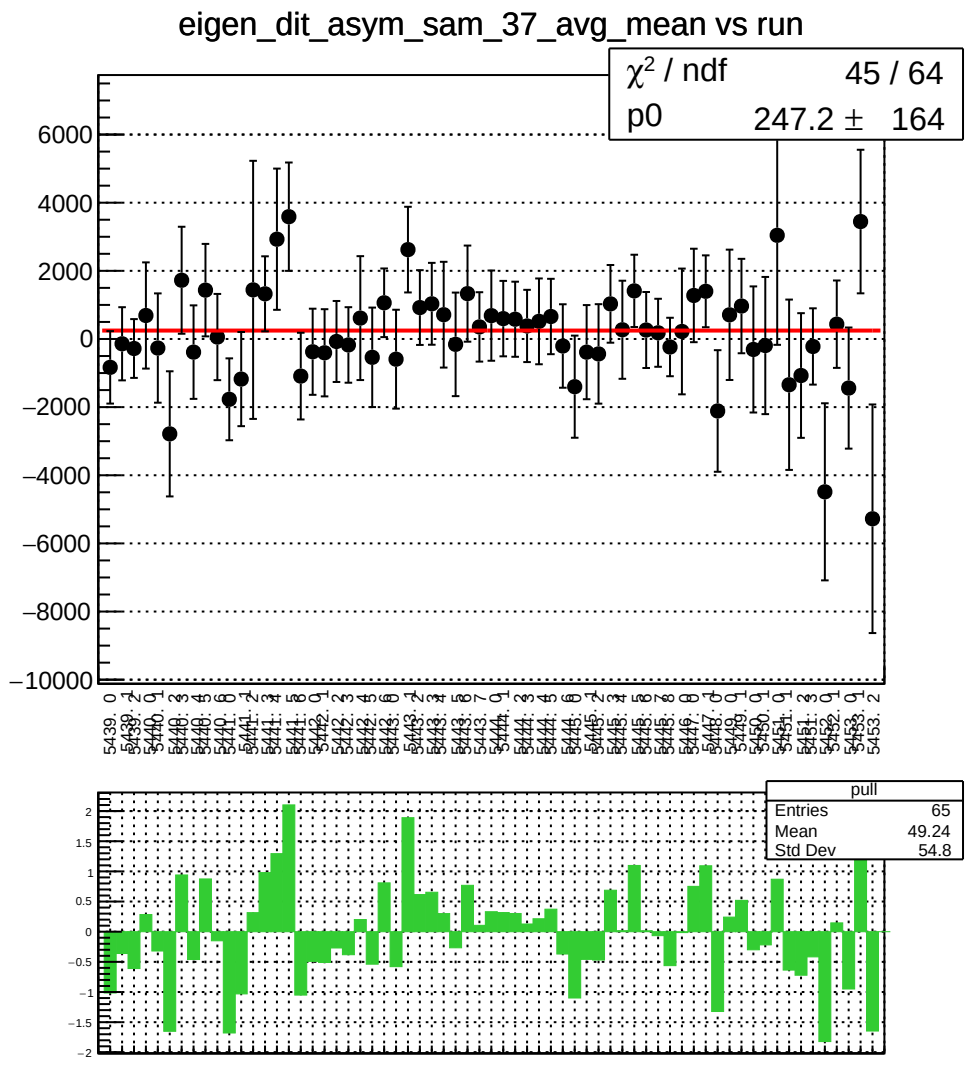

pull1D
Entries 65
Mean −0.02592
Std Dev 0.8317

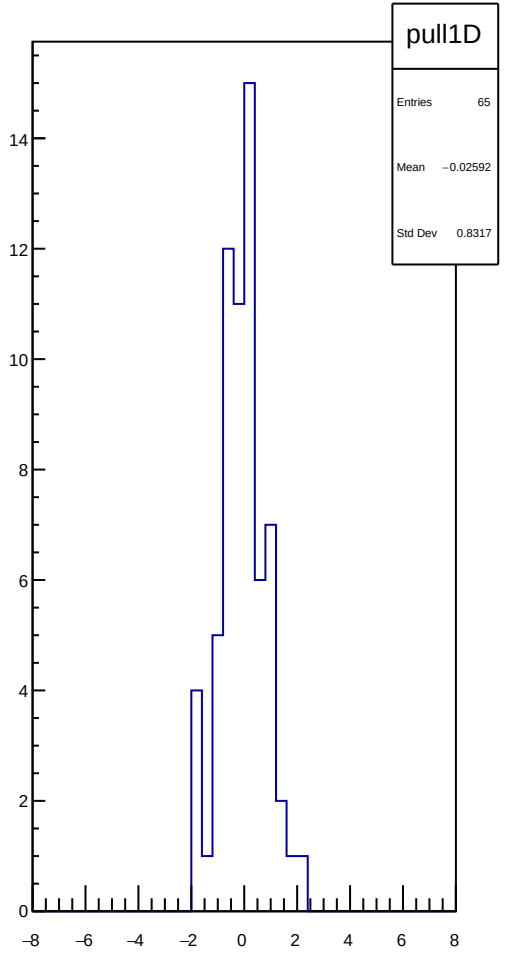

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 9.039e+04 / 64
p0 128.3 ± 0.116
450
400
350
300
250
200
150
100

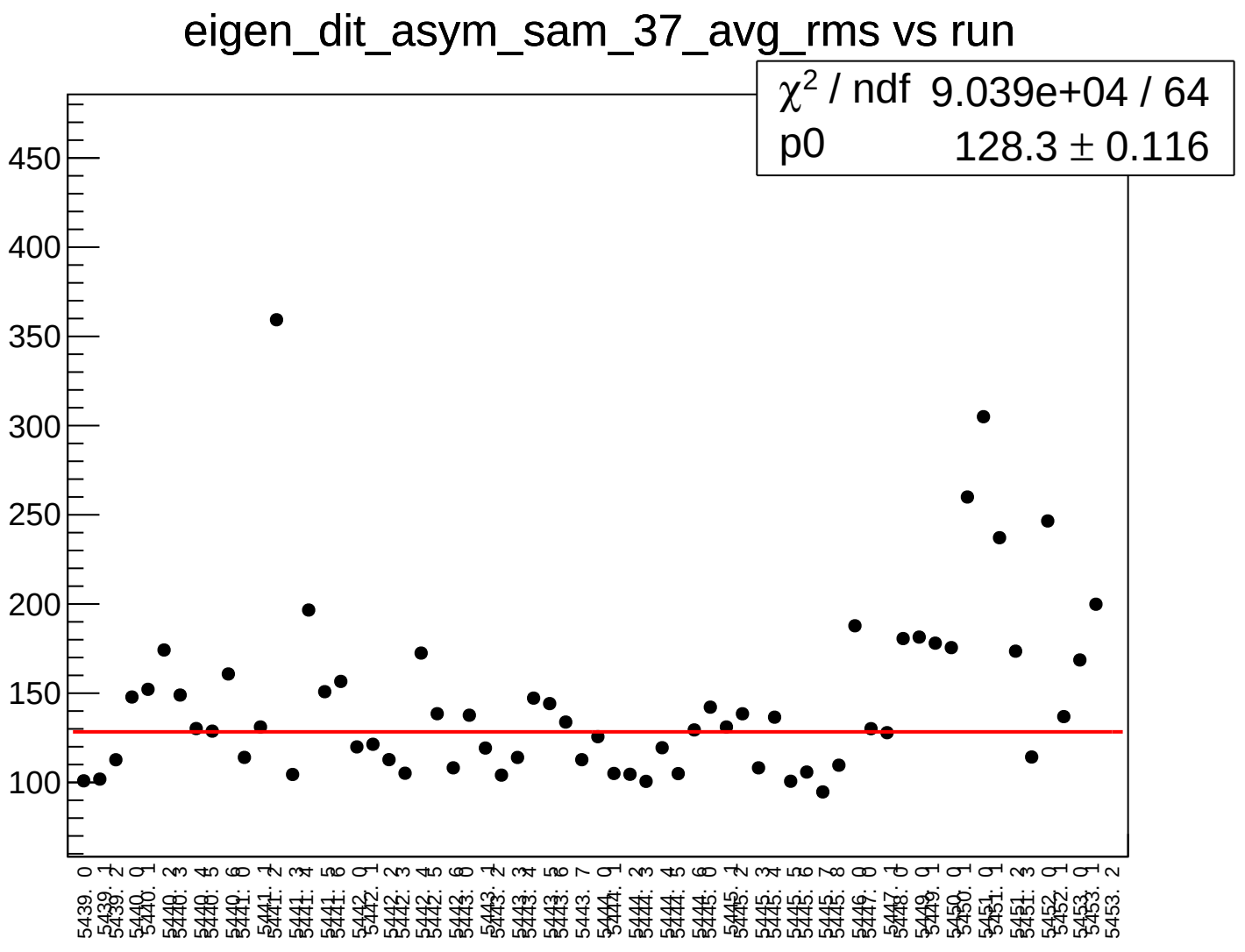

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 73.5 / 64
p0 −2162 ± 1130
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean −44.46
Std Dev 0
2
1
0
−1
−2

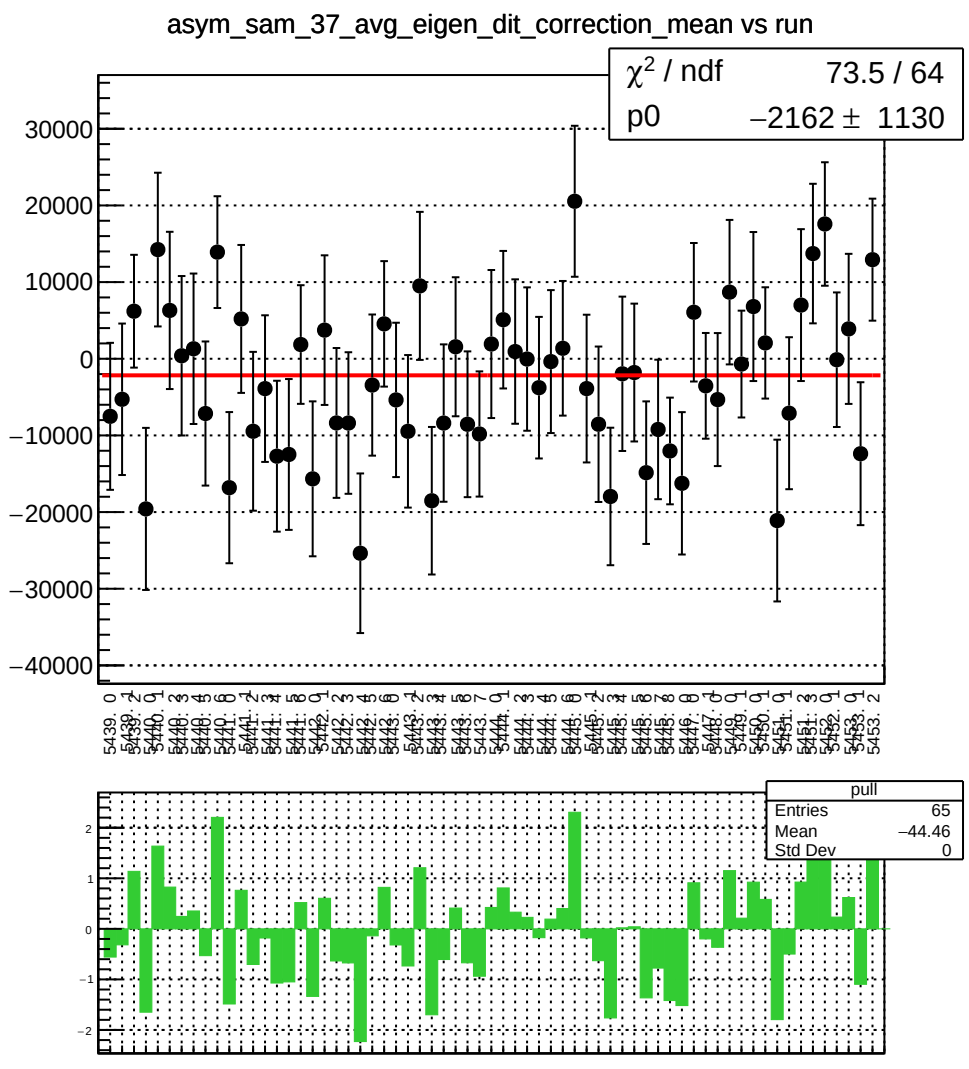

pull1D
Entries 65
Mean −0.0334
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

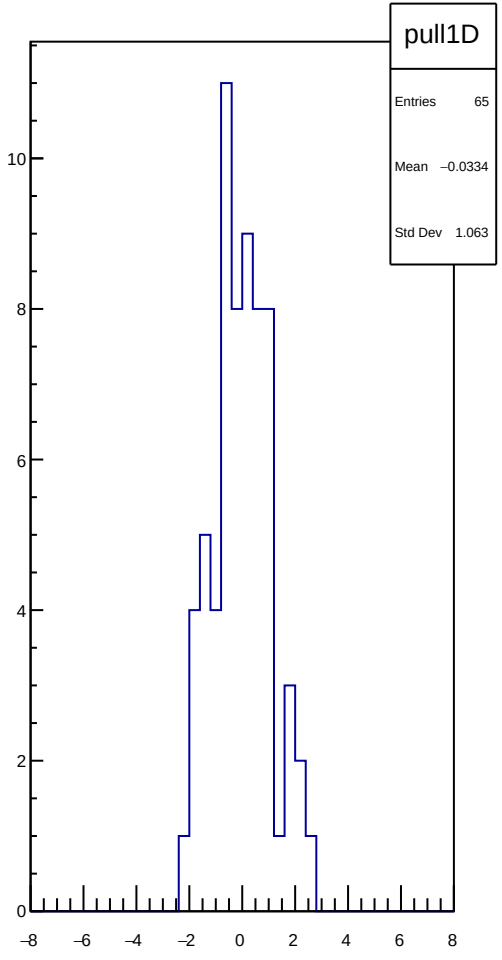

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 3662 / 64
p0 915.2 ± 0.7991
1050
1000
950
900
850
800
750

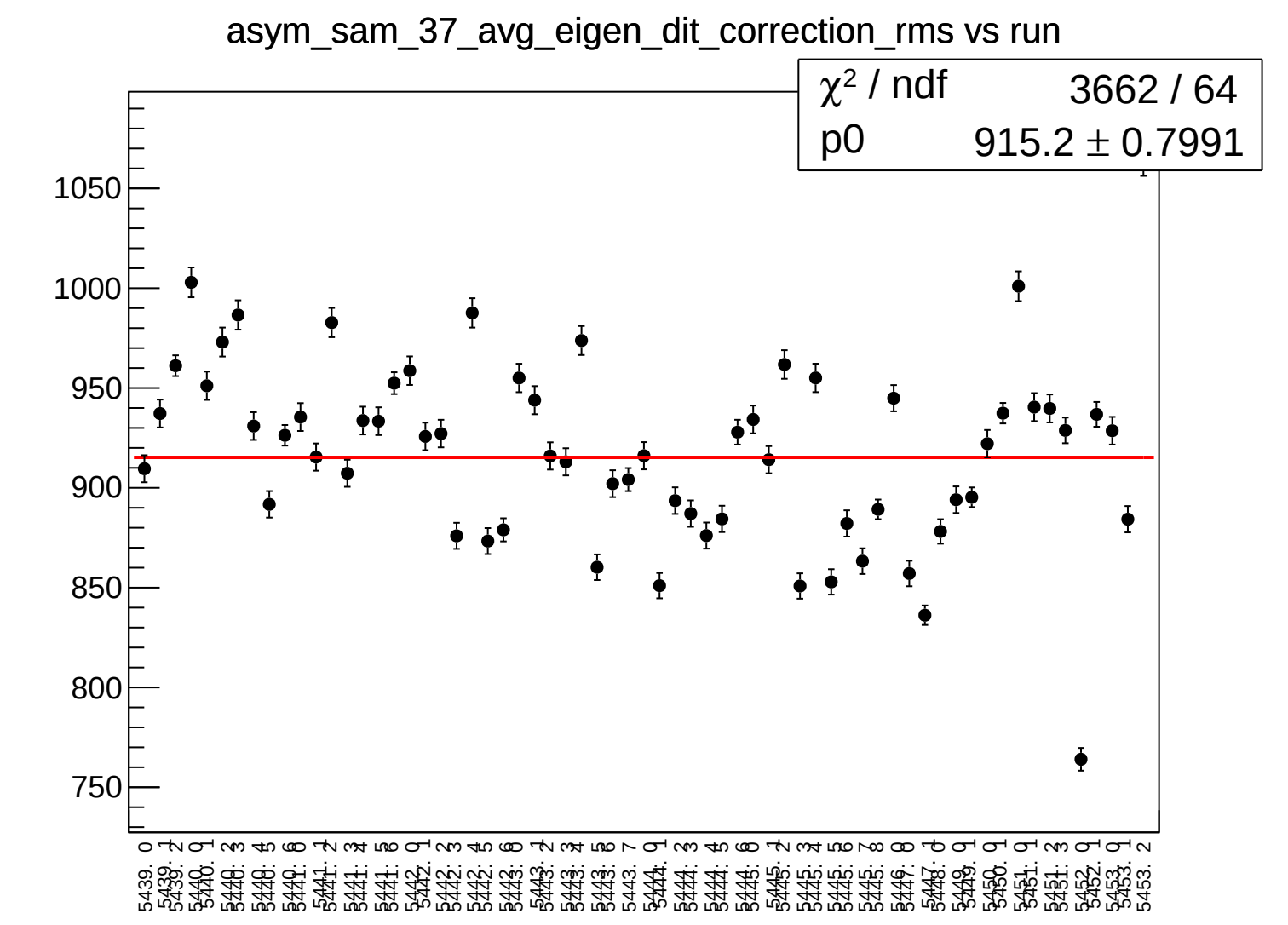

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 45 / 64
p0 247.2 ± 164
pull
Entries 65
Mean 49.24
Std Dev 54.8

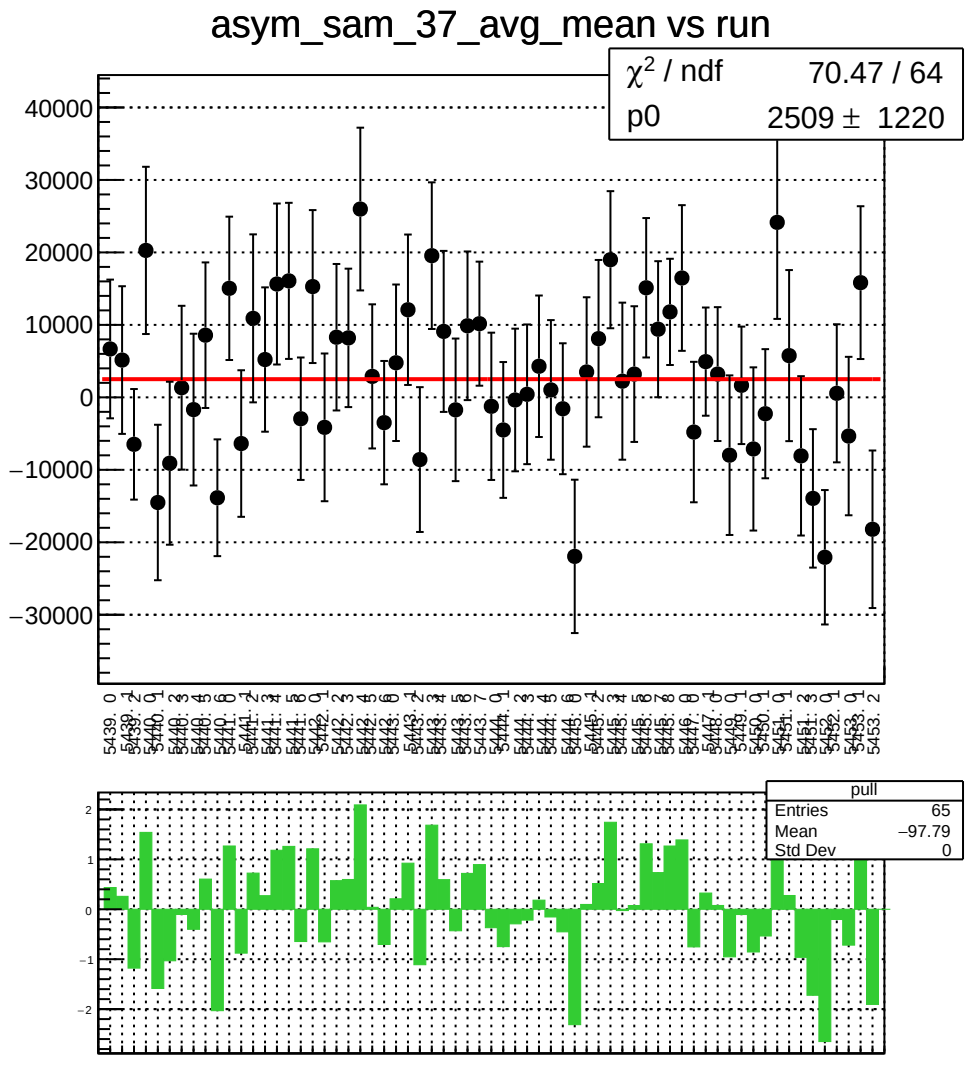

pull1D
Entries 65
Mean −0.02592
Std Dev 0.8317

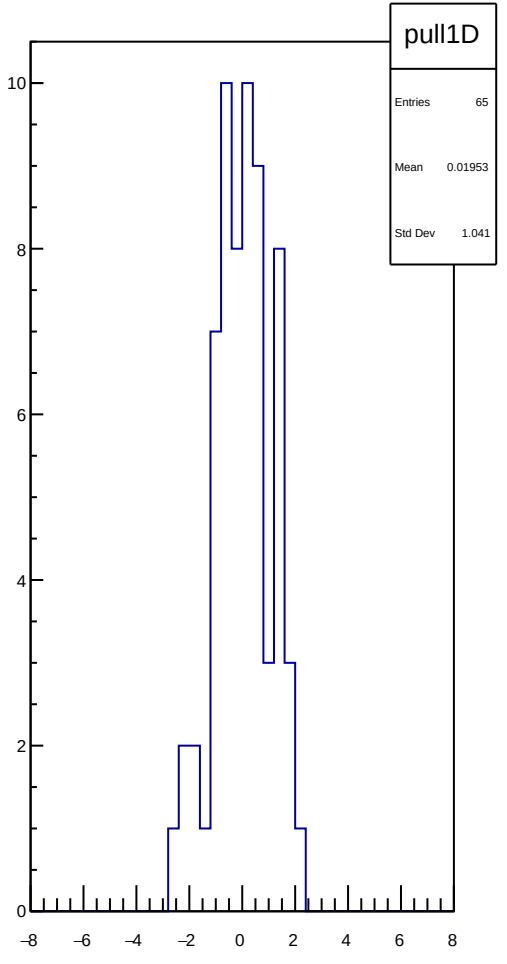

eigen_dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 9.039e+04 / 64
p0 128.3 ± 0.116
450
400
350
300
250
200
150
100

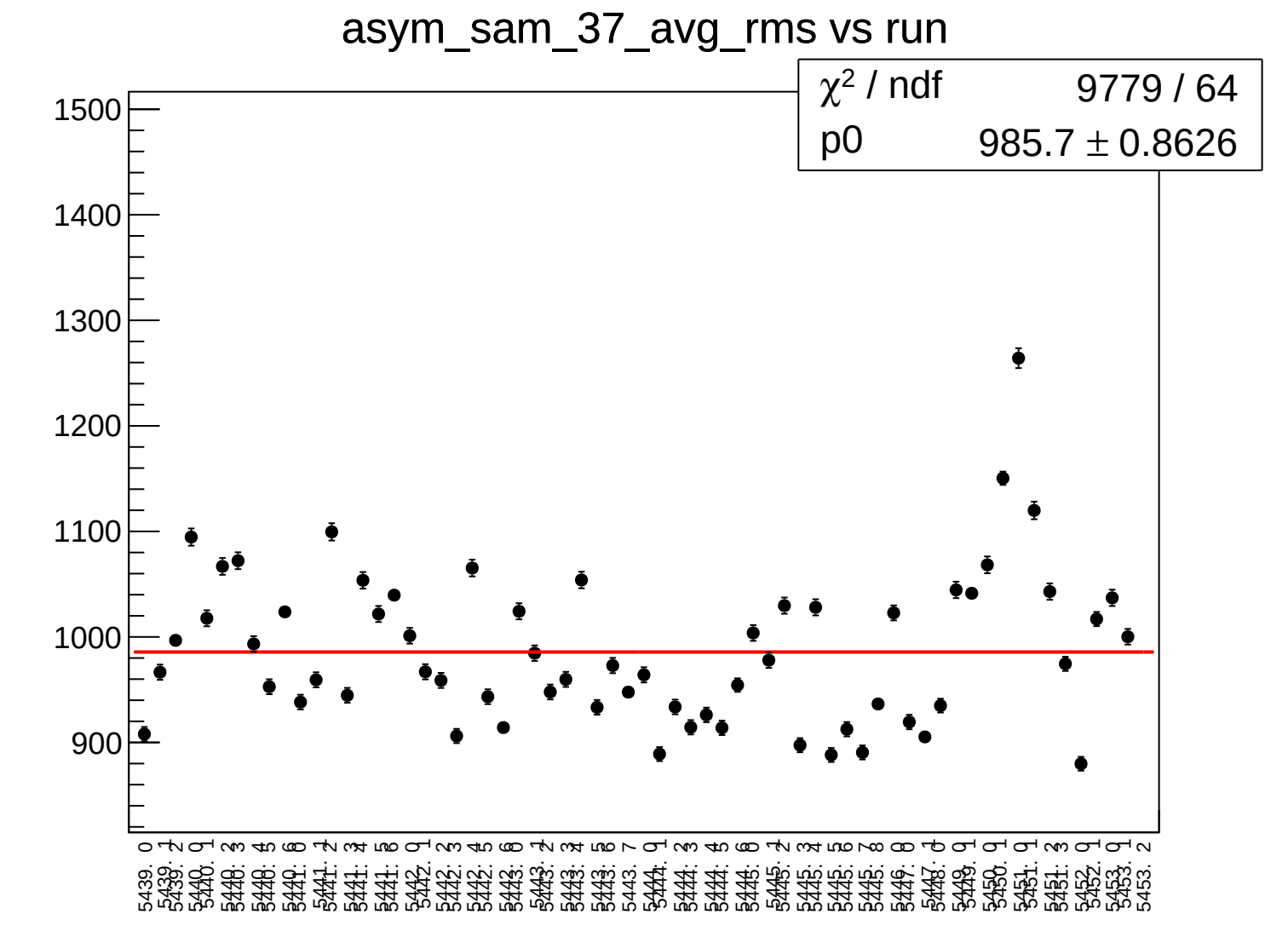

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.5 / 64
p0 −2162 ± 1130
pull
Entries 65
Mean −44.46
Std Dev 0

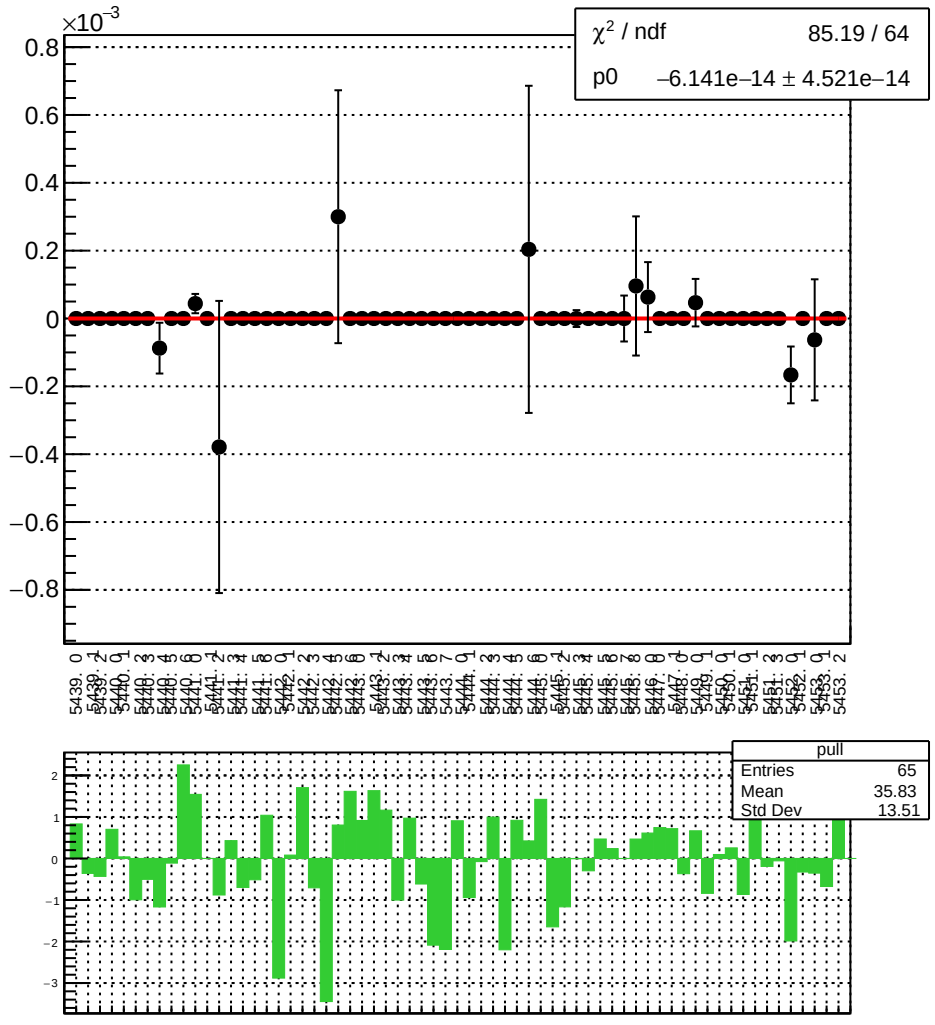

pull1D
Entries 65
Mean −0.0334
Std Dev 1.063

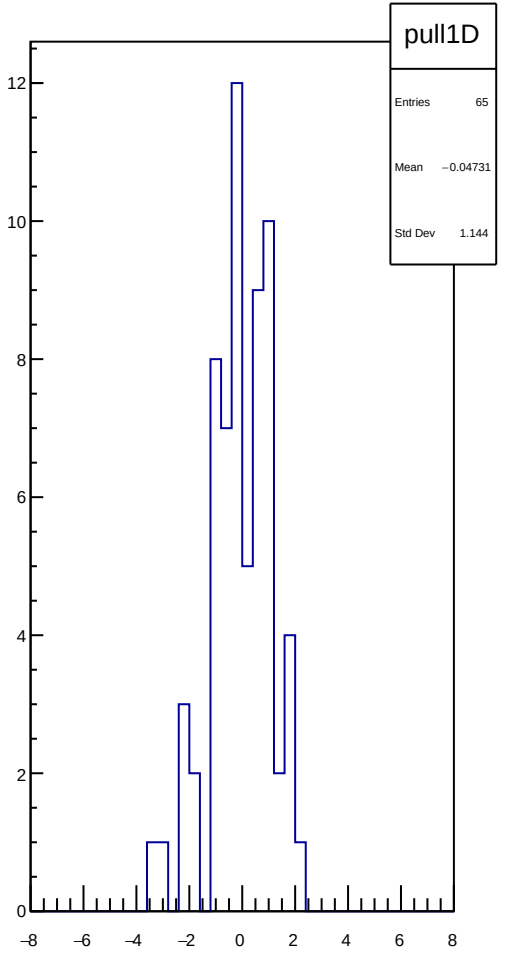

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 3662 / 64
p0 915.2 ± 0.7991
1050
1000
950
900
850
800
750

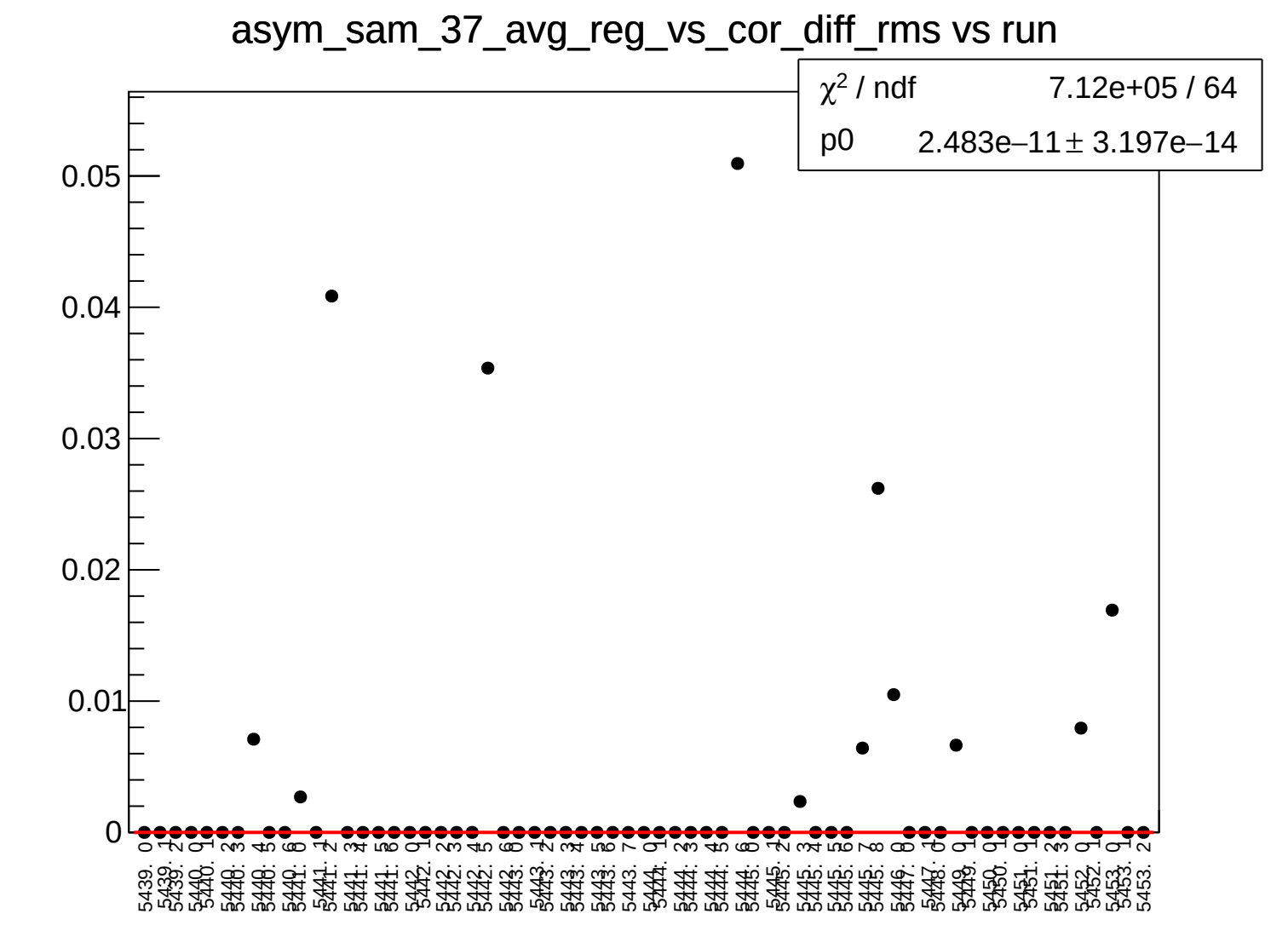

asym_sam_37_avg_mean vs run
χ² / ndf 70.47 / 64
p0 2509 ± 1220
pull
Entries 65
Mean −97.79
Std Dev 0

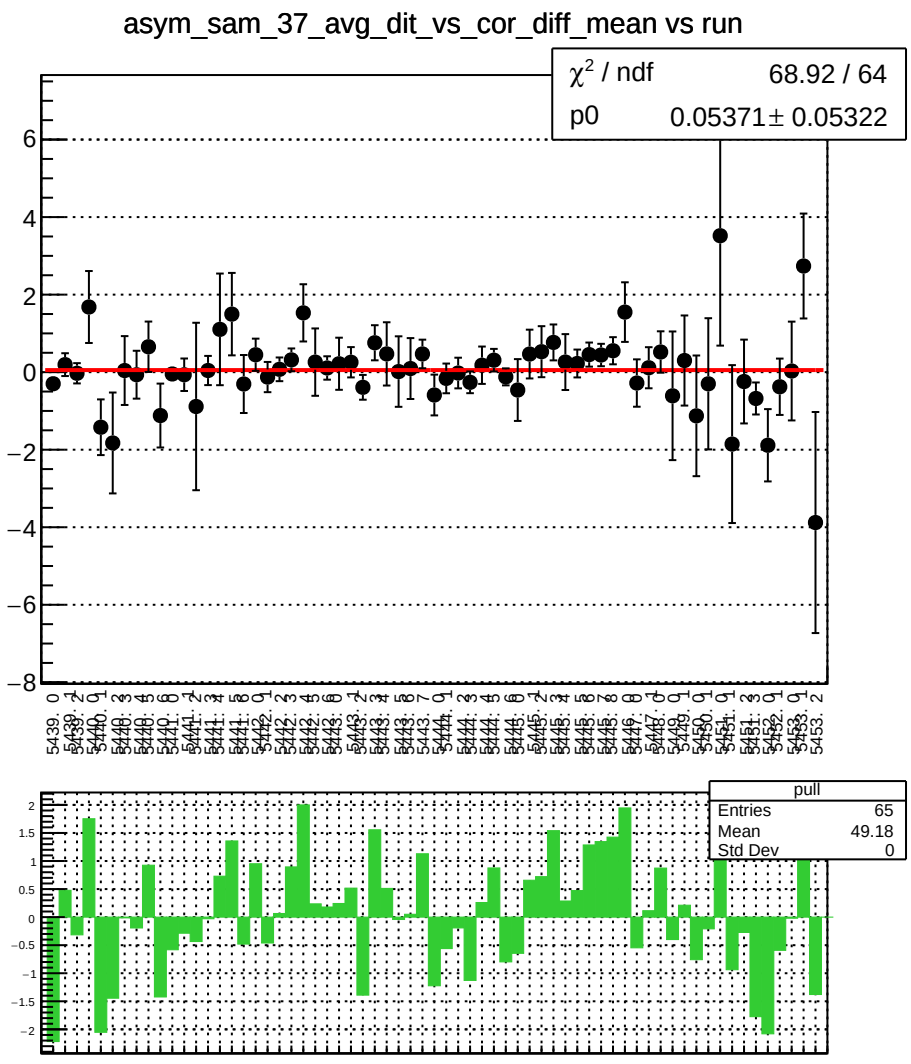

pull1D
Entries 65
Mean 0.01953
Std Dev 1.041

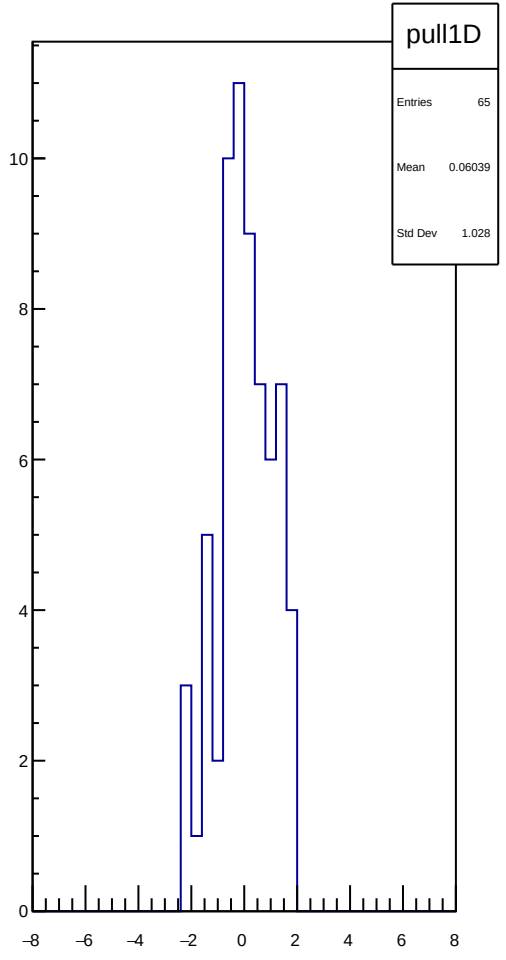

asym_sam_37_avg_rms vs run
χ² / ndf 9779 / 64
p0 985.7 ± 0.8626
1500
1400
1300
1200
1100
1000
900

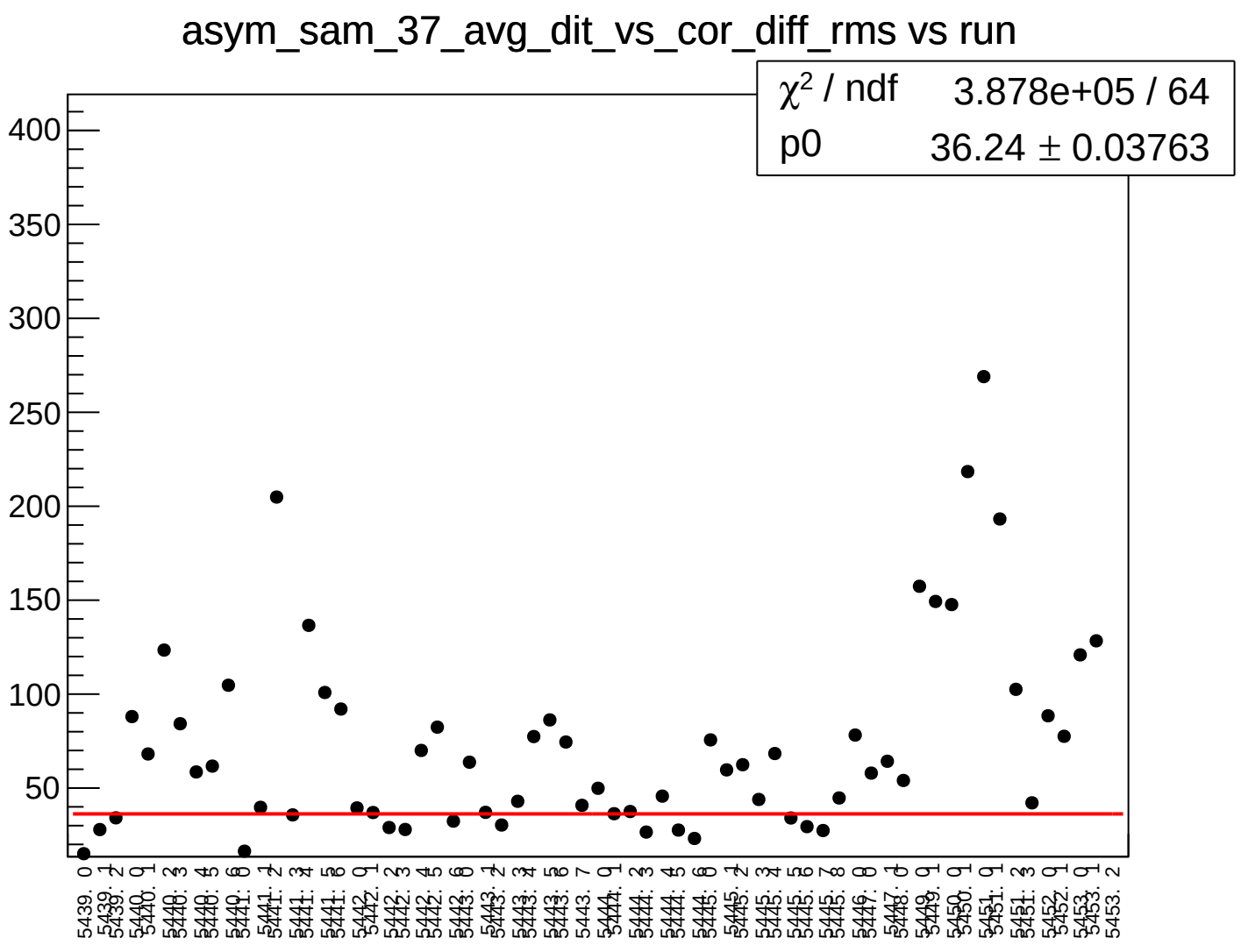

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 85.19 / 64
p0 −6.141e−14 ± 4.521e−14
pull
Entries 65
Mean 35.83
Std Dev 13.51

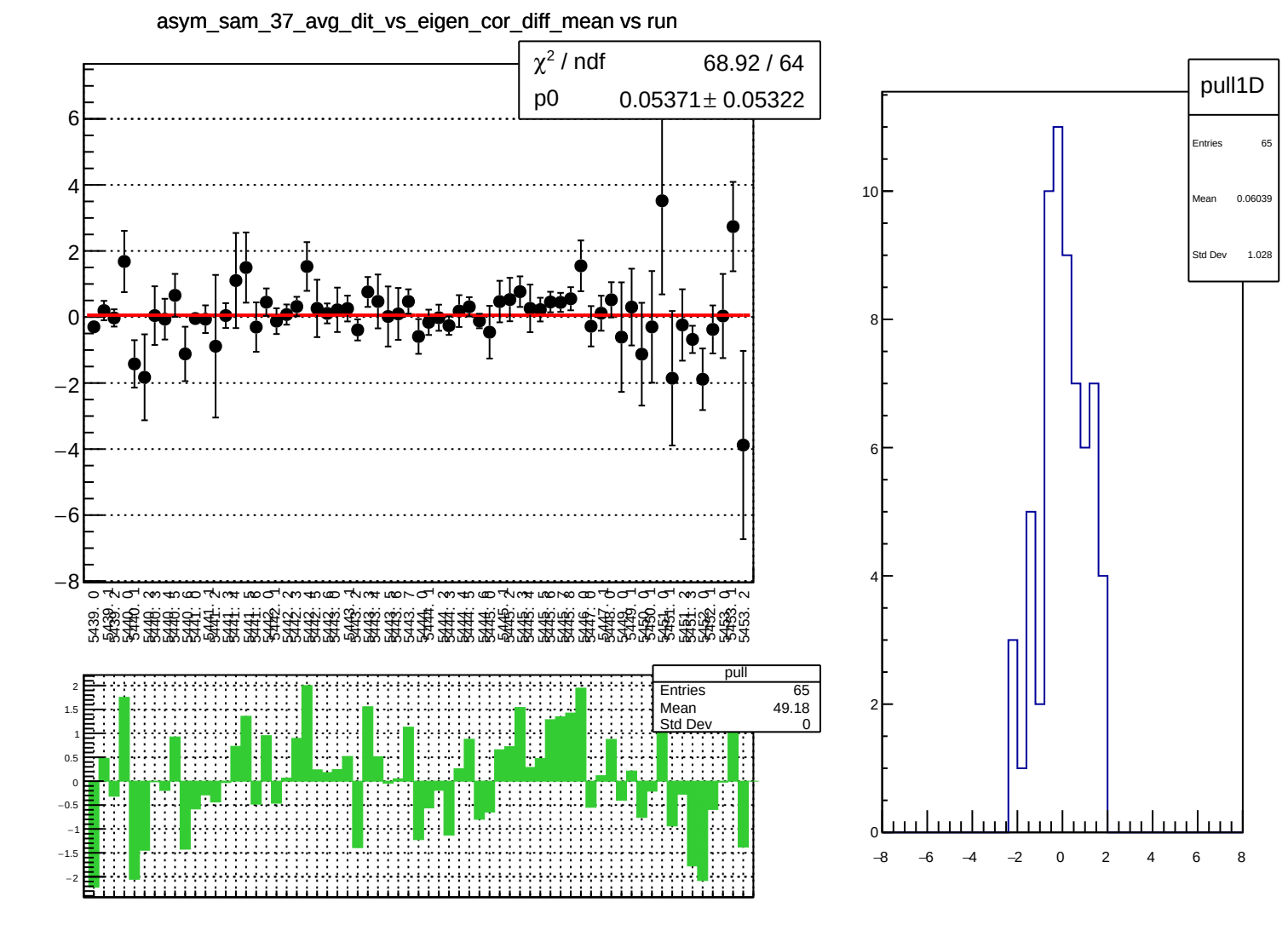

pull1D
Entries 65
Mean −0.04731
Std Dev 1.144

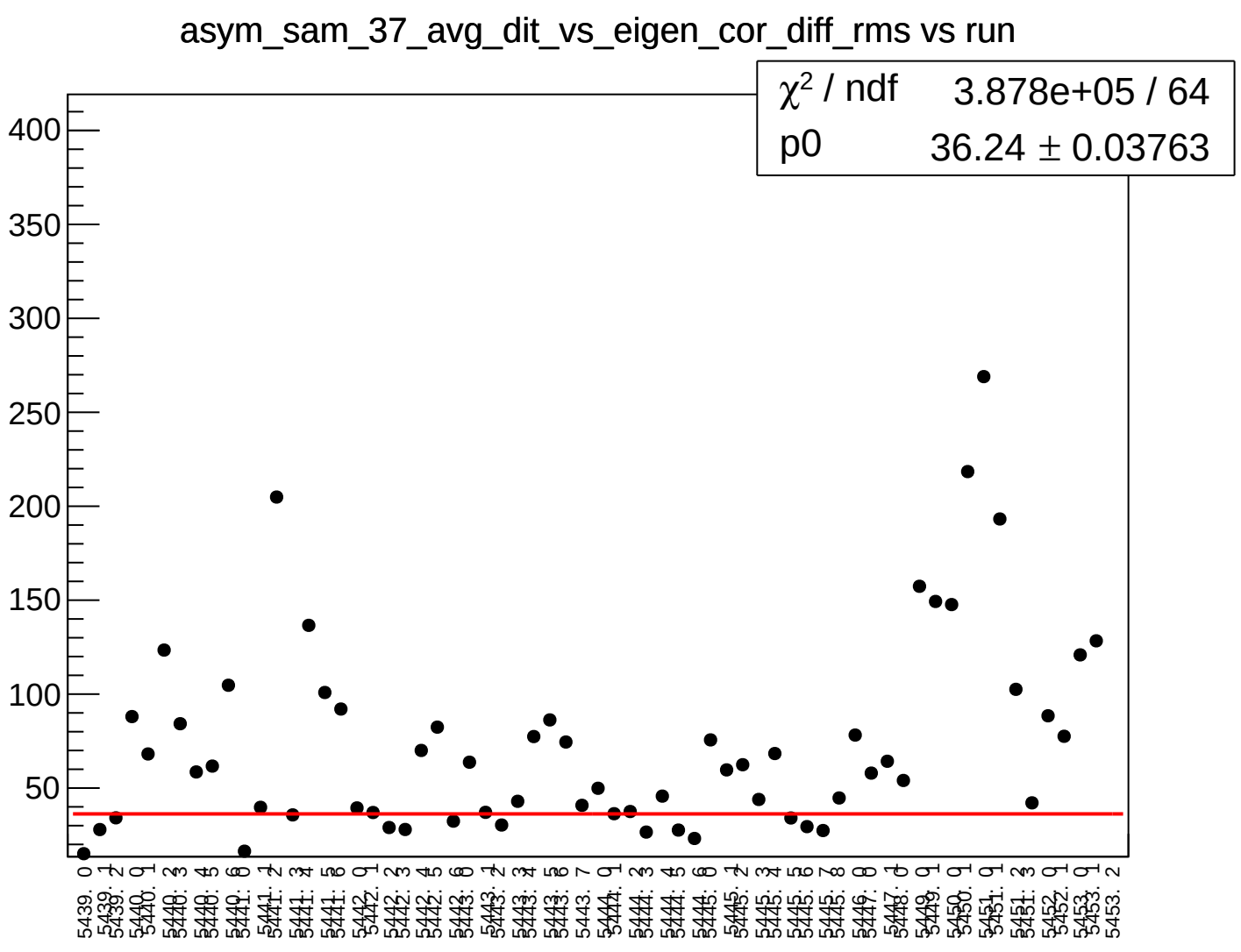

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.12e+05 / 64
p0 2.483e−11 ± 3.197e−14
0.05
0.04
0.03
0.02
0.01
0

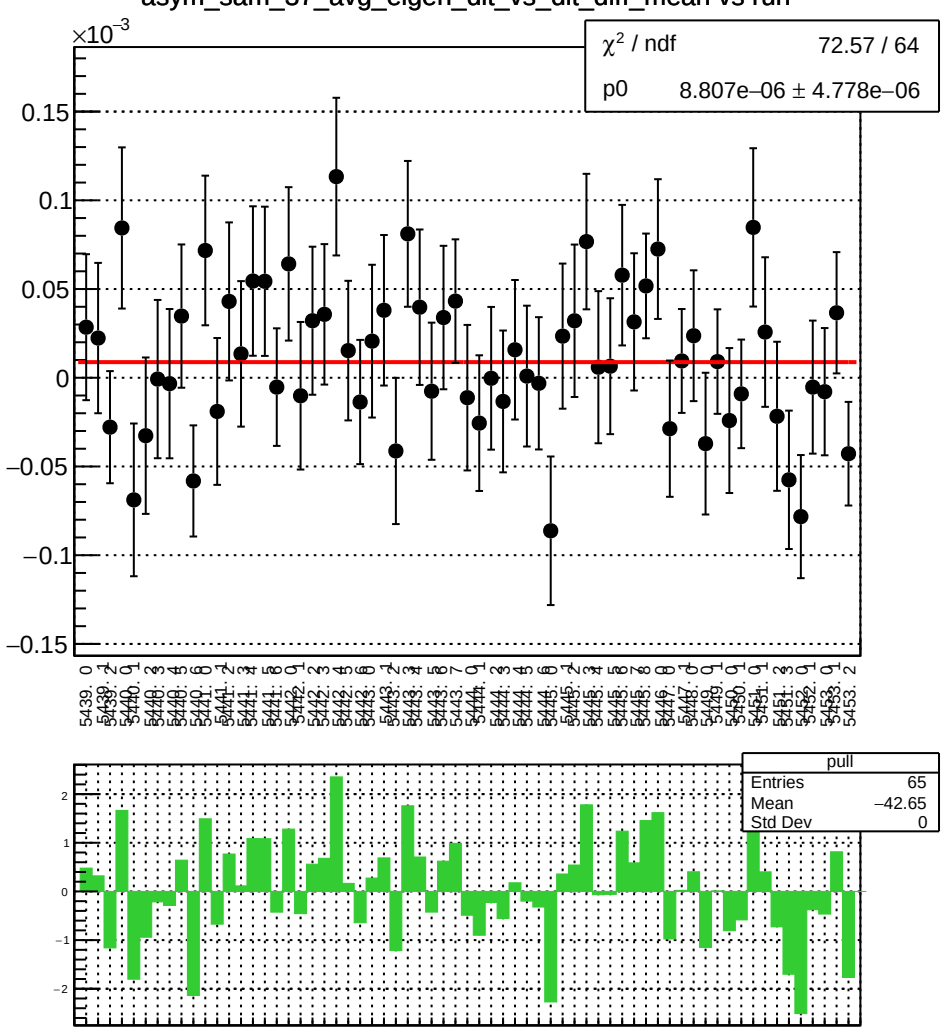

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.92 / 64
p0 0.05371 ± 0.05322
pull
Entries 65
Mean 49.18
Std Dev 0

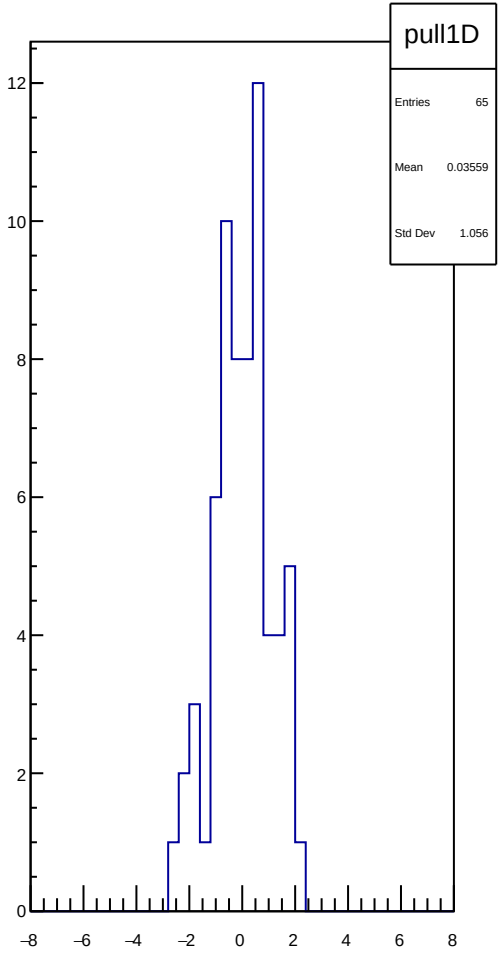

pull1D
Entries 65
Mean 0.06039
Std Dev 1.028

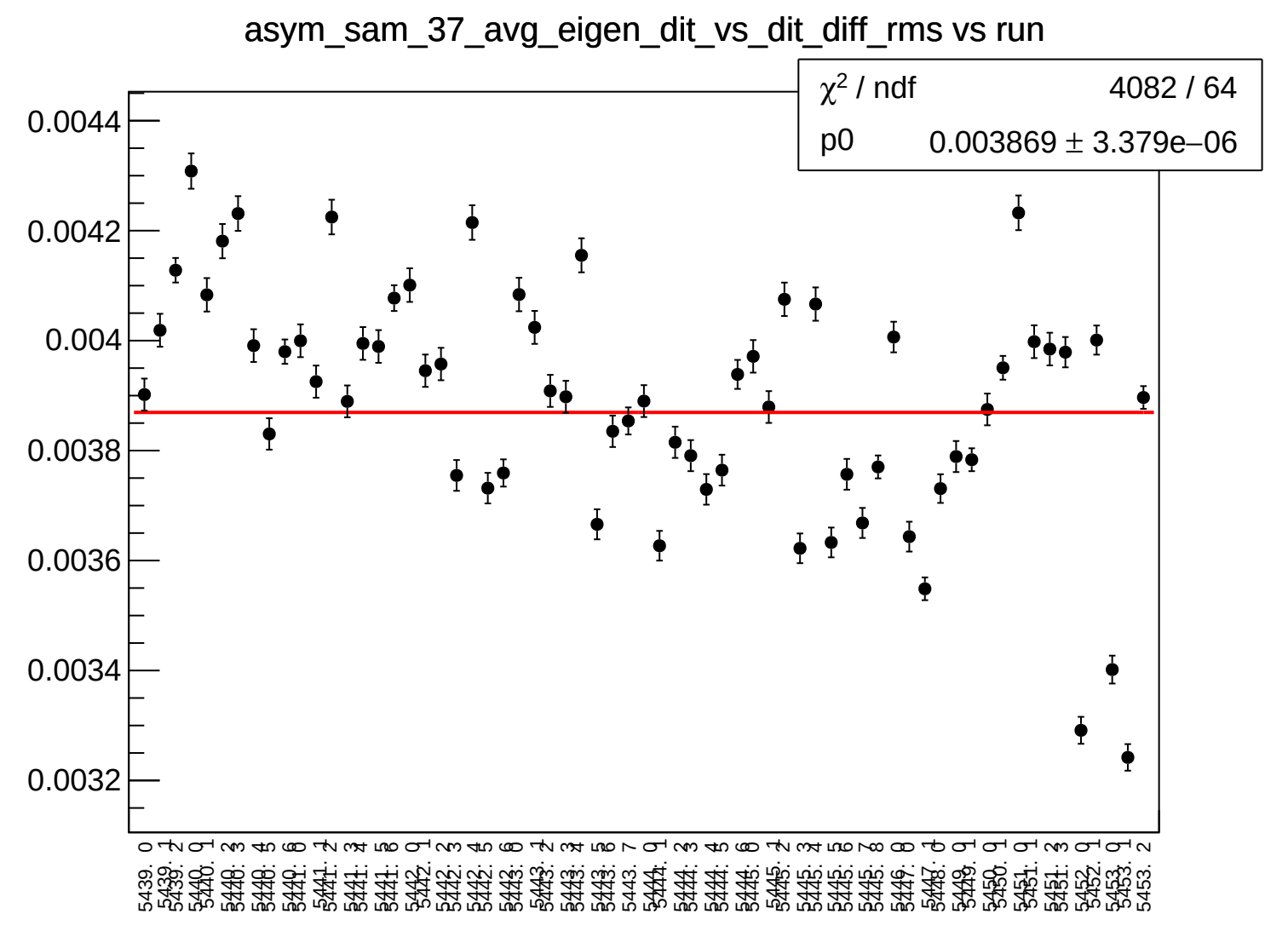

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.878e+05 / 64
p0 36.24 ± 0.03763
400
350
300
250
200
150
100
50

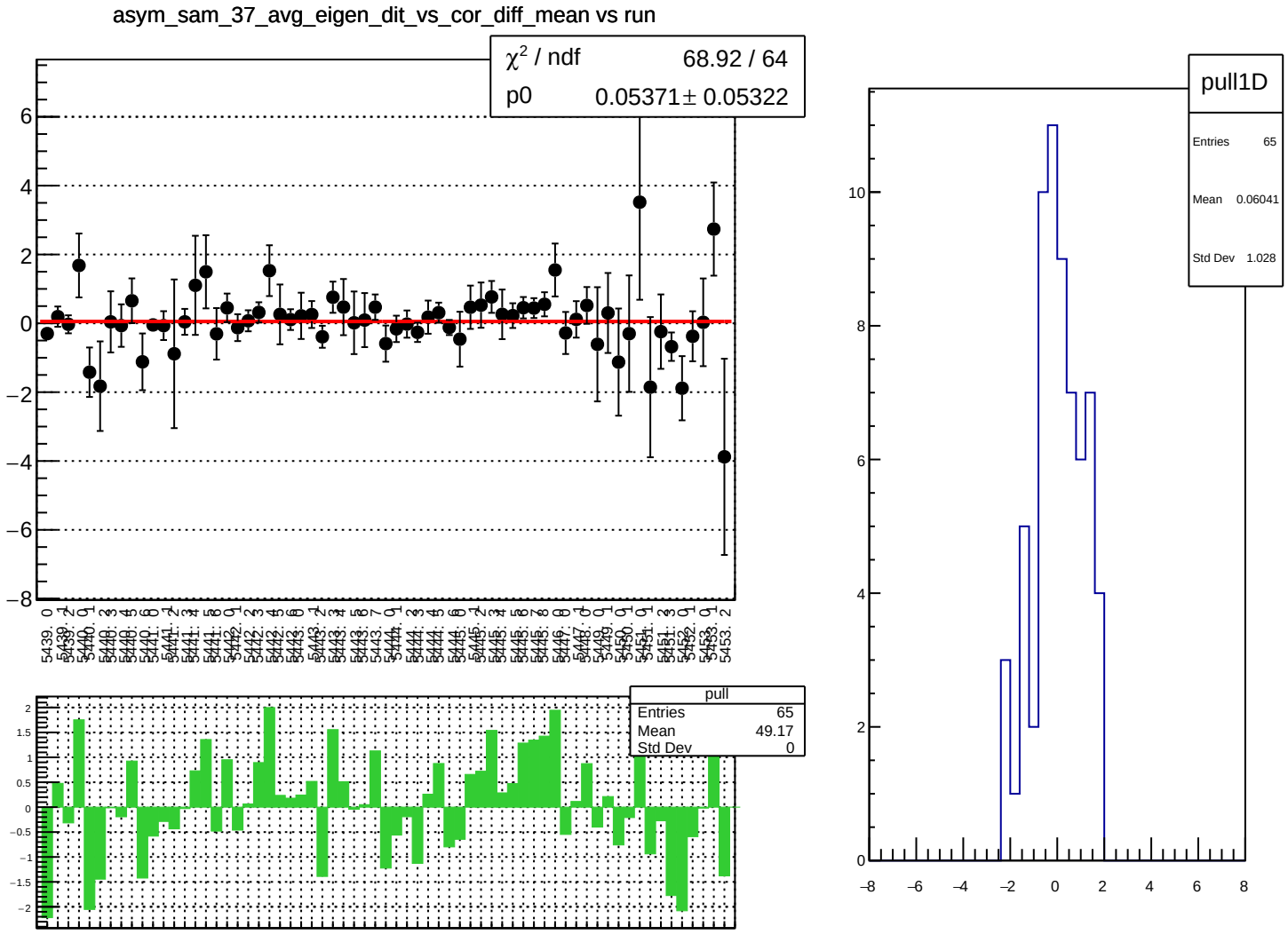

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.92 / 64
p0 0.05371 ± 0.05322
pull
Entries 65
Mean 49.18
Std Dev 0
pull1D
Entries 65
Mean 0.06039
Std Dev 1.028

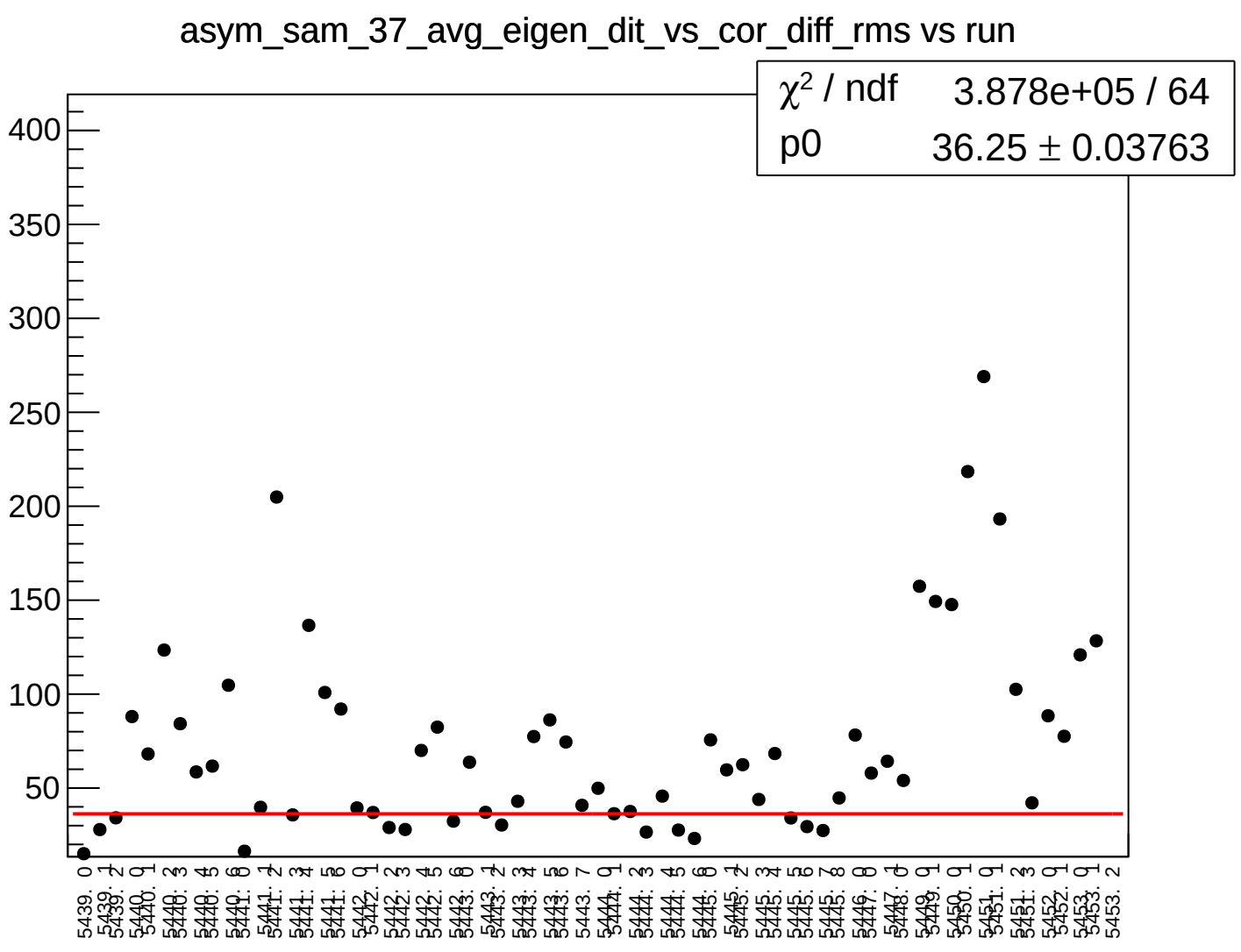

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.878e+05 / 64
p0 36.24 ± 0.03763
400
350
300
250
200
150
100
50

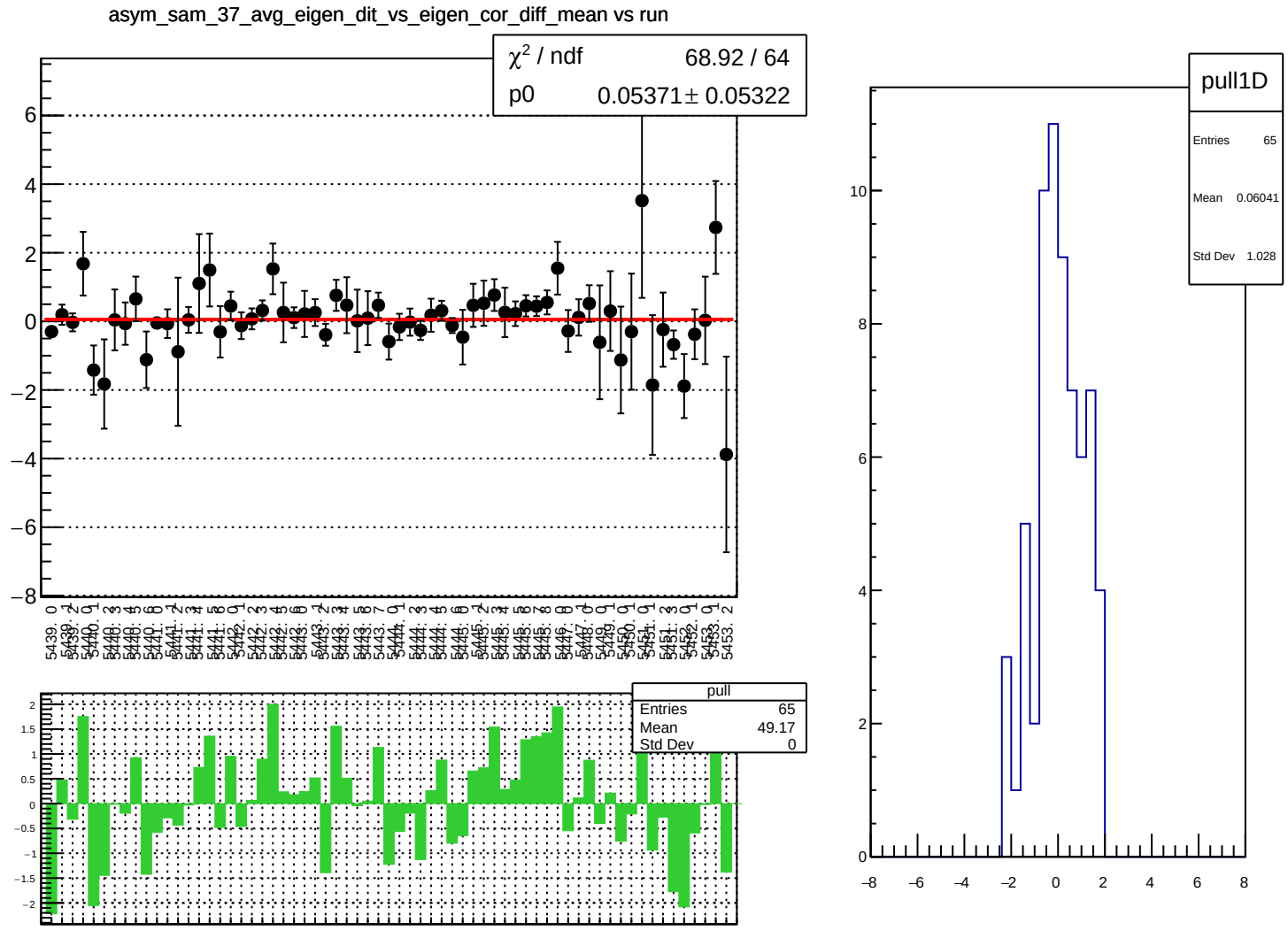

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.57 / 64
p0 8.807e−06 ± 4.778e−06
pull
Entries 65
Mean −42.65
Std Dev 0

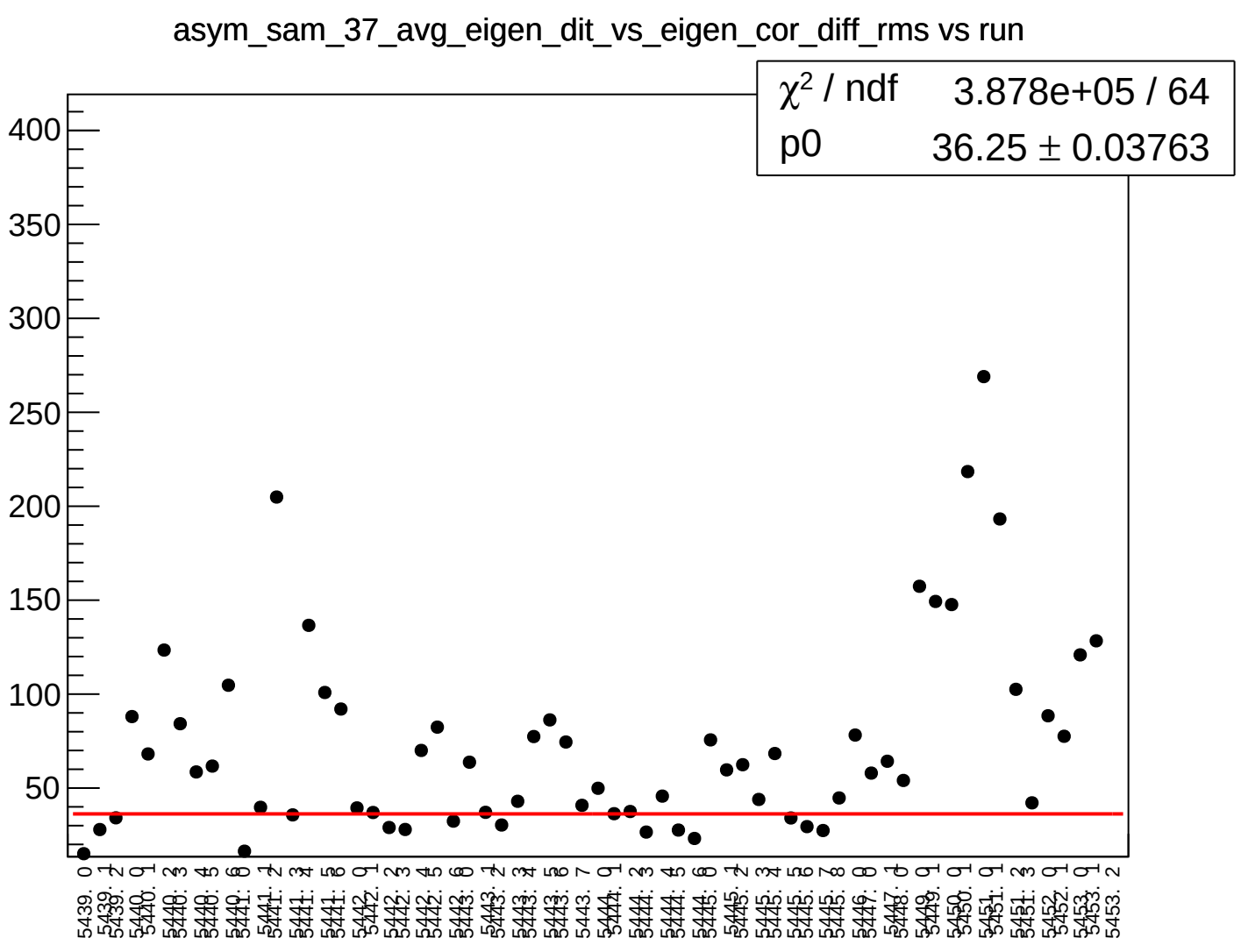

pull1D
Entries 65
Mean 0.03559
Std Dev 1.056

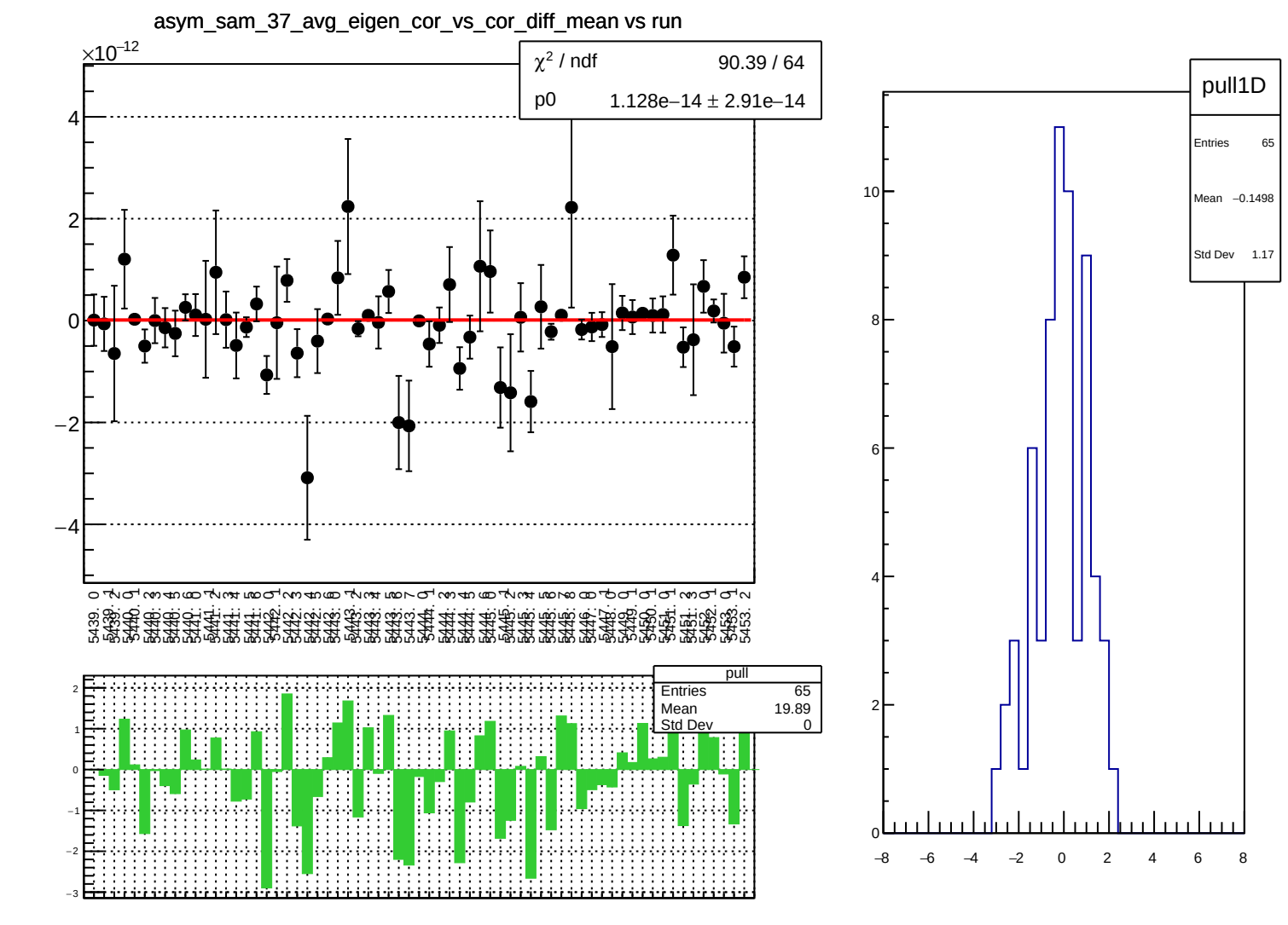

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4082 / 64
p0 0.003869 ± 3.379e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032

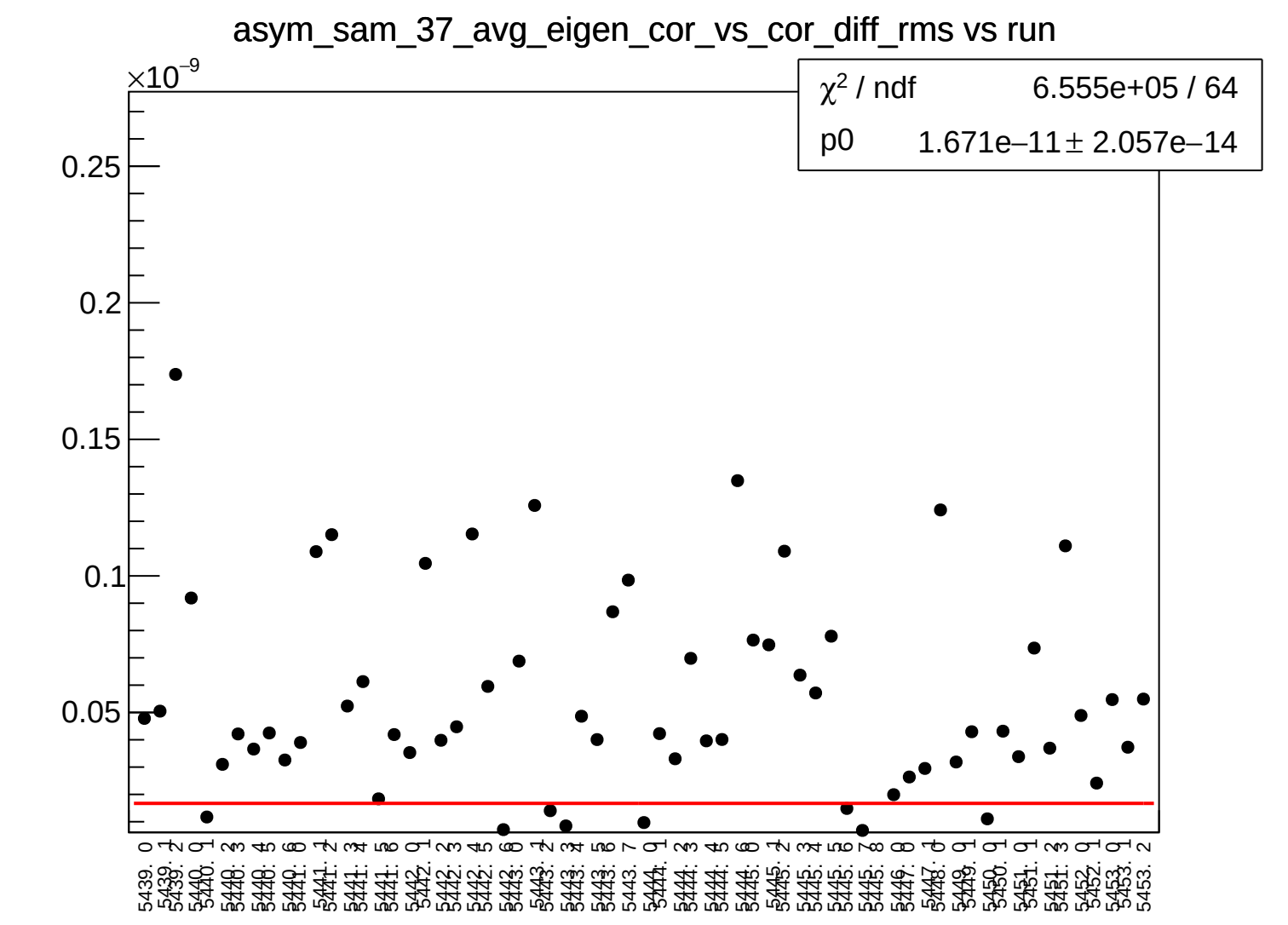

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.92 / 64
p0 0.05371 ± 0.05322
pull
Entries 65
Mean 49.17
Std Dev 0
pull1D
Entries 65
Mean 0.06041
Std Dev 1.028

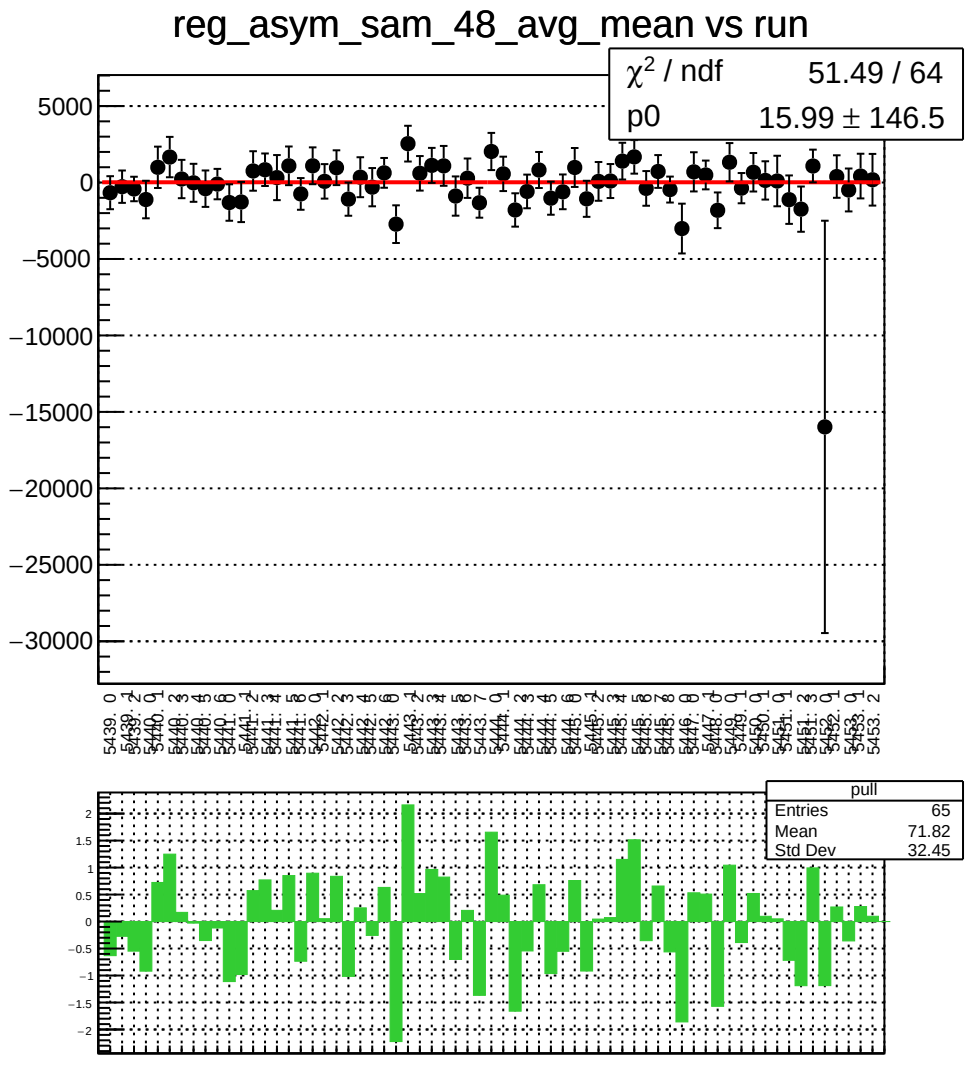

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.878e+05 / 64
p0 36.25 ± 0.03763
400
350
300
250
200
150
100
50

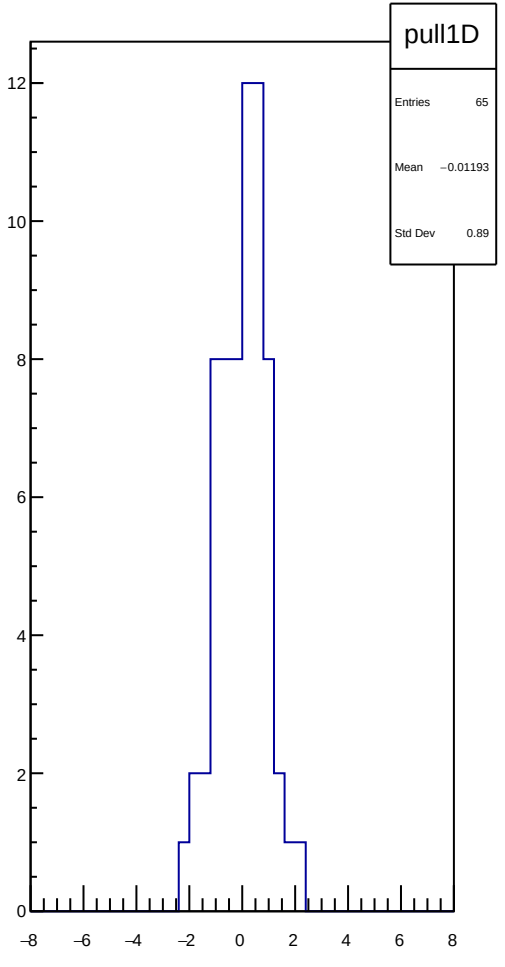

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.92 / 64
p0 0.05371 ± 0.05322
pull
Entries 65
Mean 49.17
Std Dev 0
pull1D
Entries 65
Mean 0.06041
Std Dev 1.028

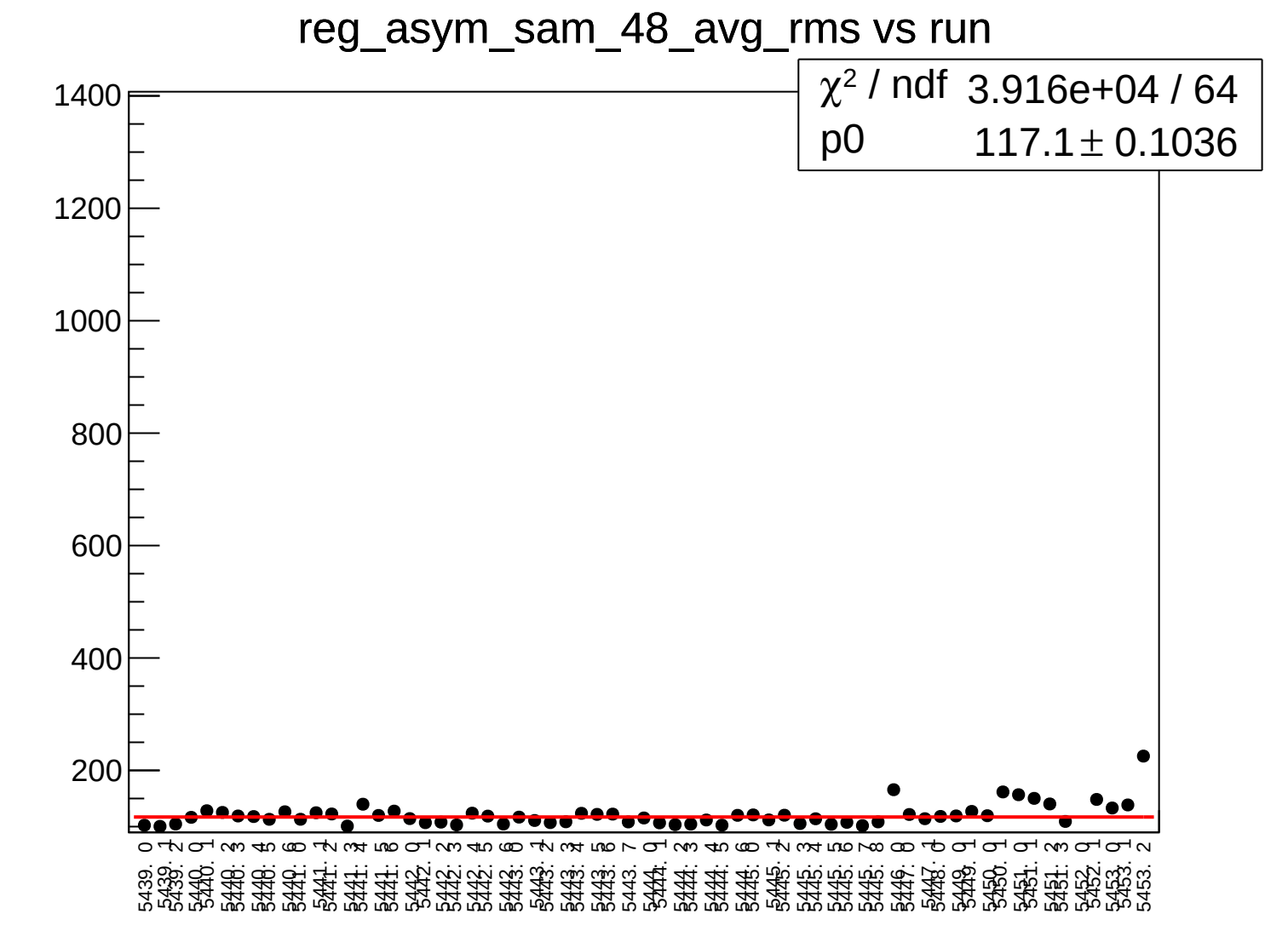

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.878e+05 / 64
p0 36.25 ± 0.03763
400
350
300
250
200
150
100
50

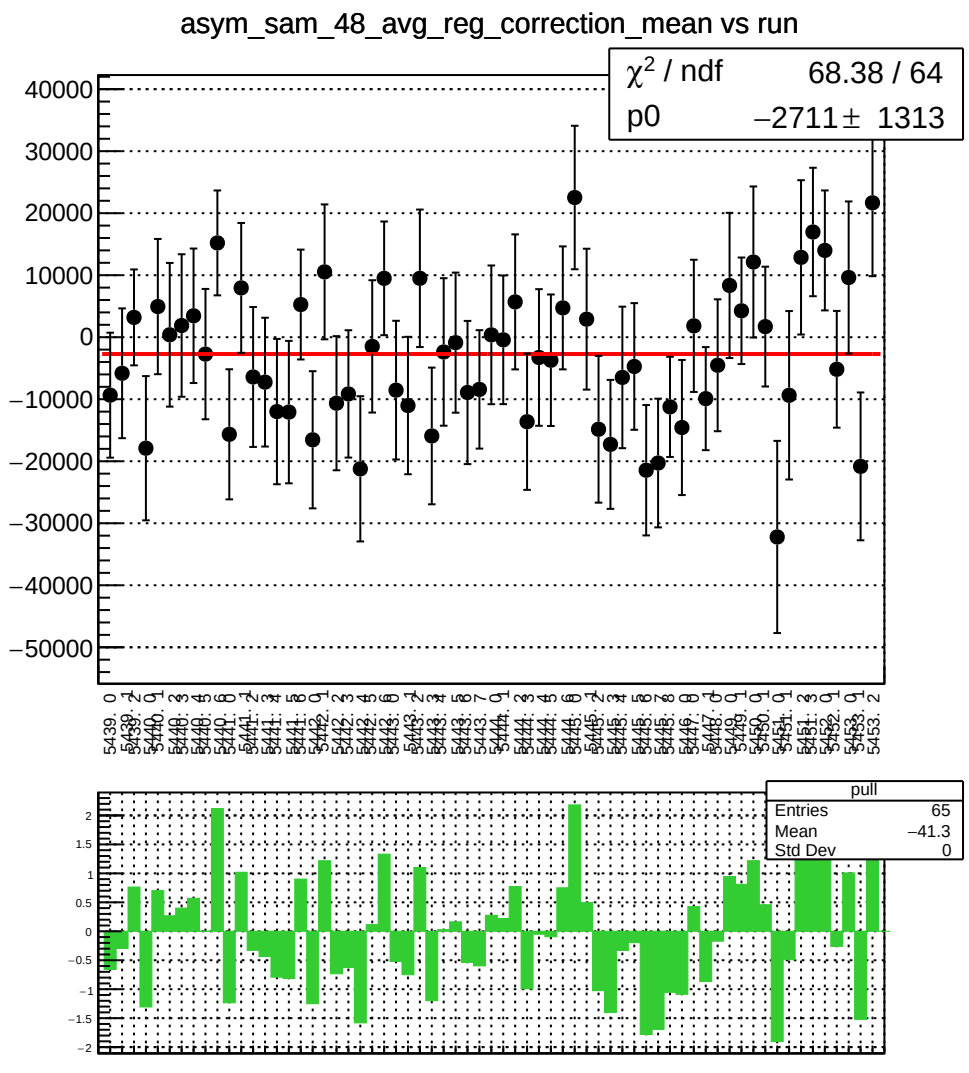

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.39 / 64
p0 1.128e−14 ± 2.91e−14
pull
Entries 65
Mean 19.89
Std Dev 0
pull1D
Entries 65
Mean −0.1498
Std Dev 1.17

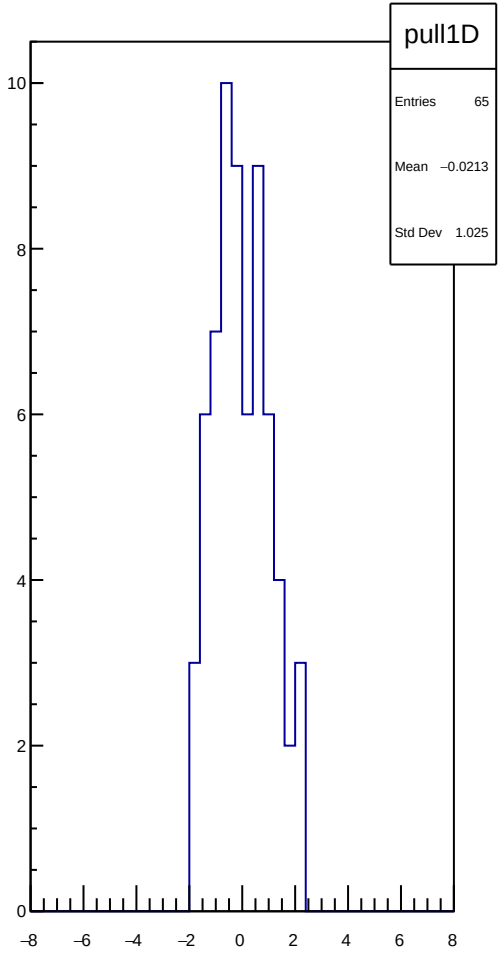

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.555e+05 / 64
p0 1.671e−11 ± 2.057e−14
0.25
0.2
0.15
0.1
0.05

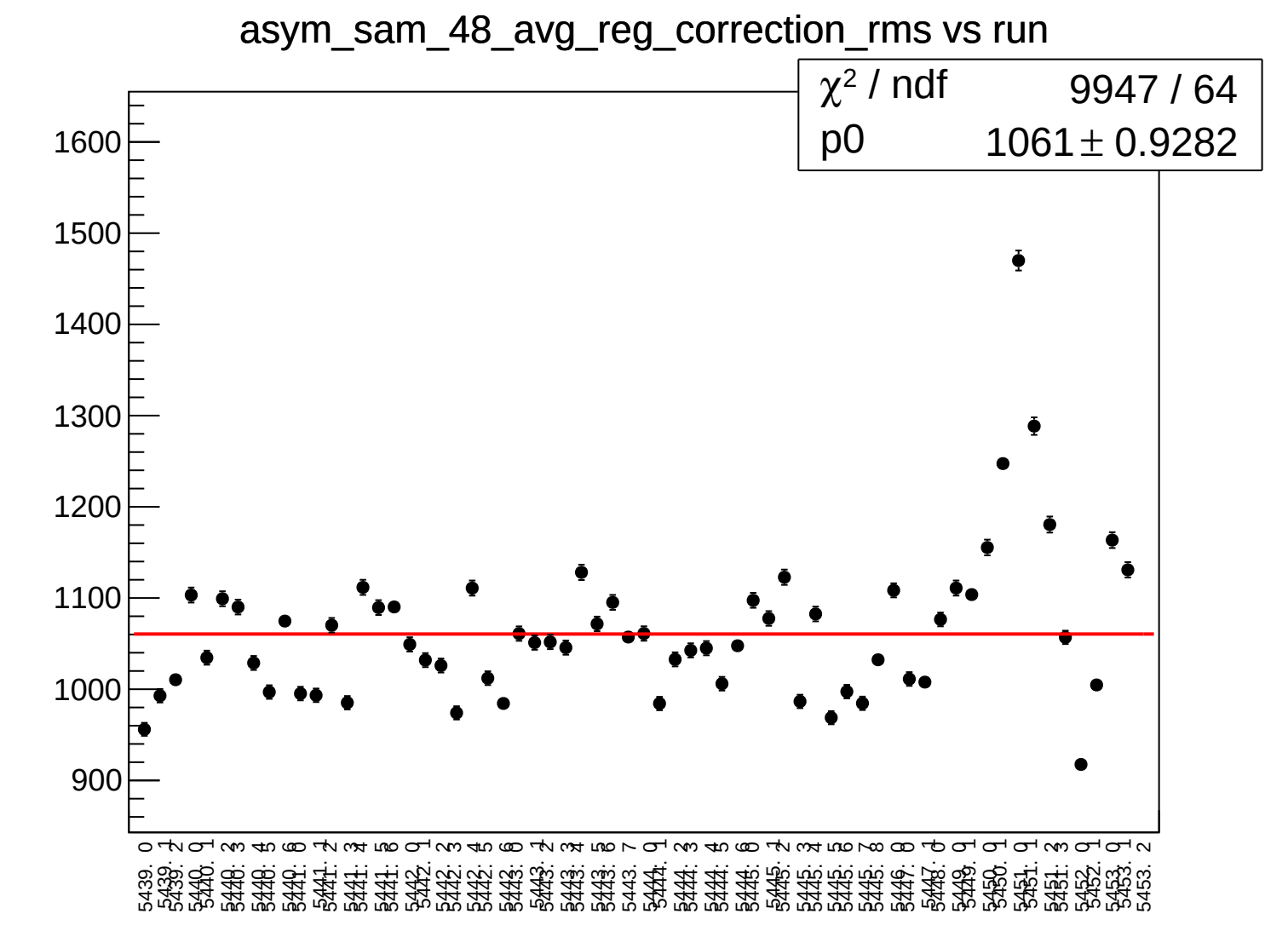

reg_asym_sam_48_avg_mean vs run
χ² / ndf 51.49 / 64
p0 15.99 ± 146.5
pull
Entries 65
Mean 71.82
Std Dev 32.45

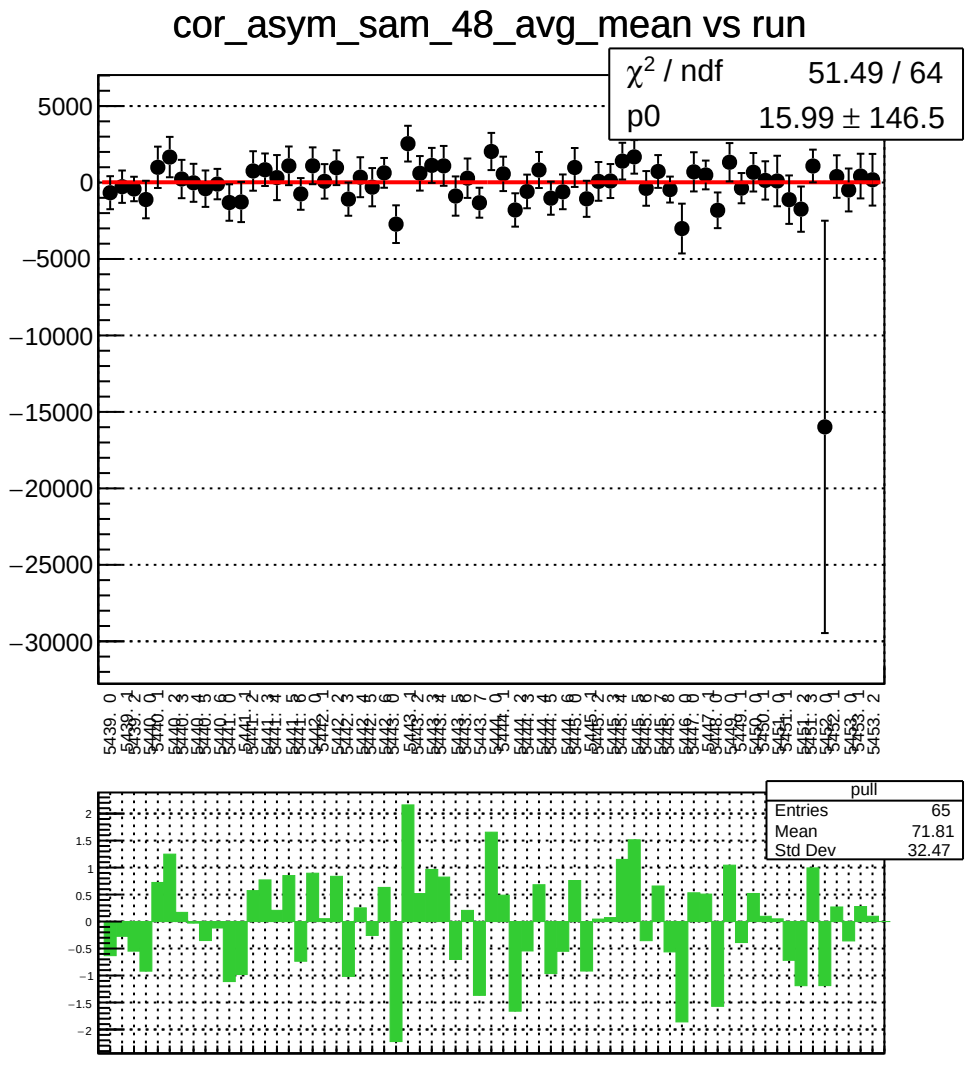

pull1D
Entries 65
Mean −0.01193
Std Dev 0.89

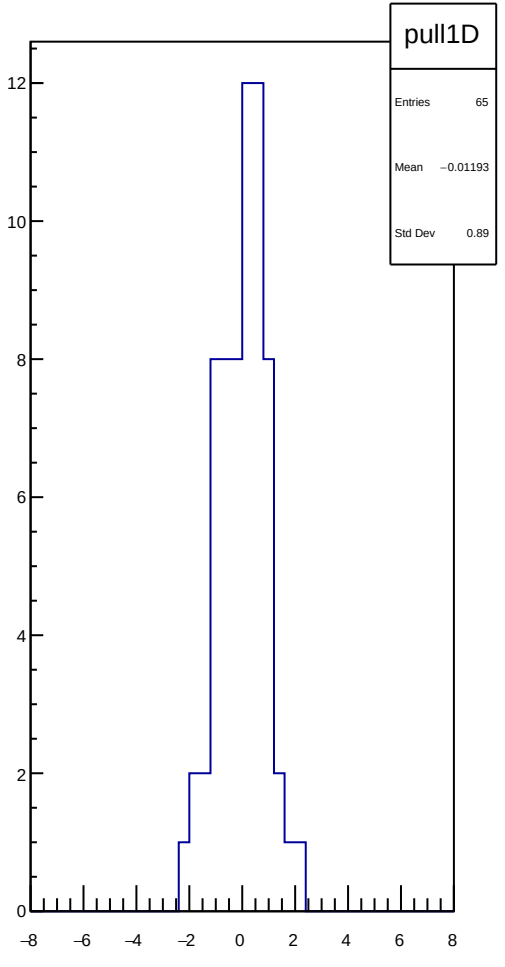

reg_asym_sam_48_avg_rms vs run
χ² / ndf 3.916e+04 / 64
p0 117.1 ± 0.1036
1400
1200
1000
800
600
400
200

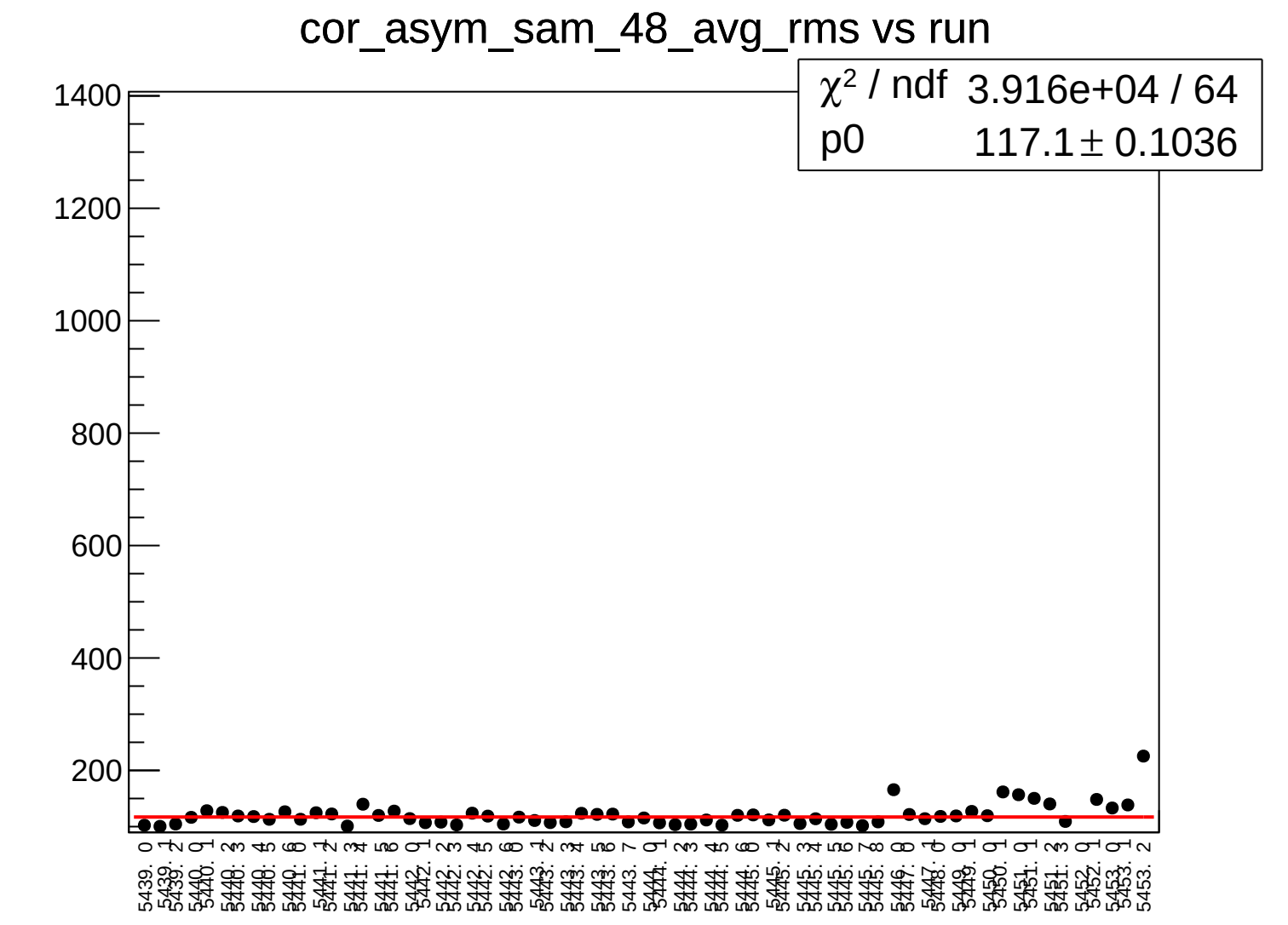

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 68.38 / 64
p0 −2711 ± 1313
pull
Entries 65
Mean −41.3
Std Dev 0

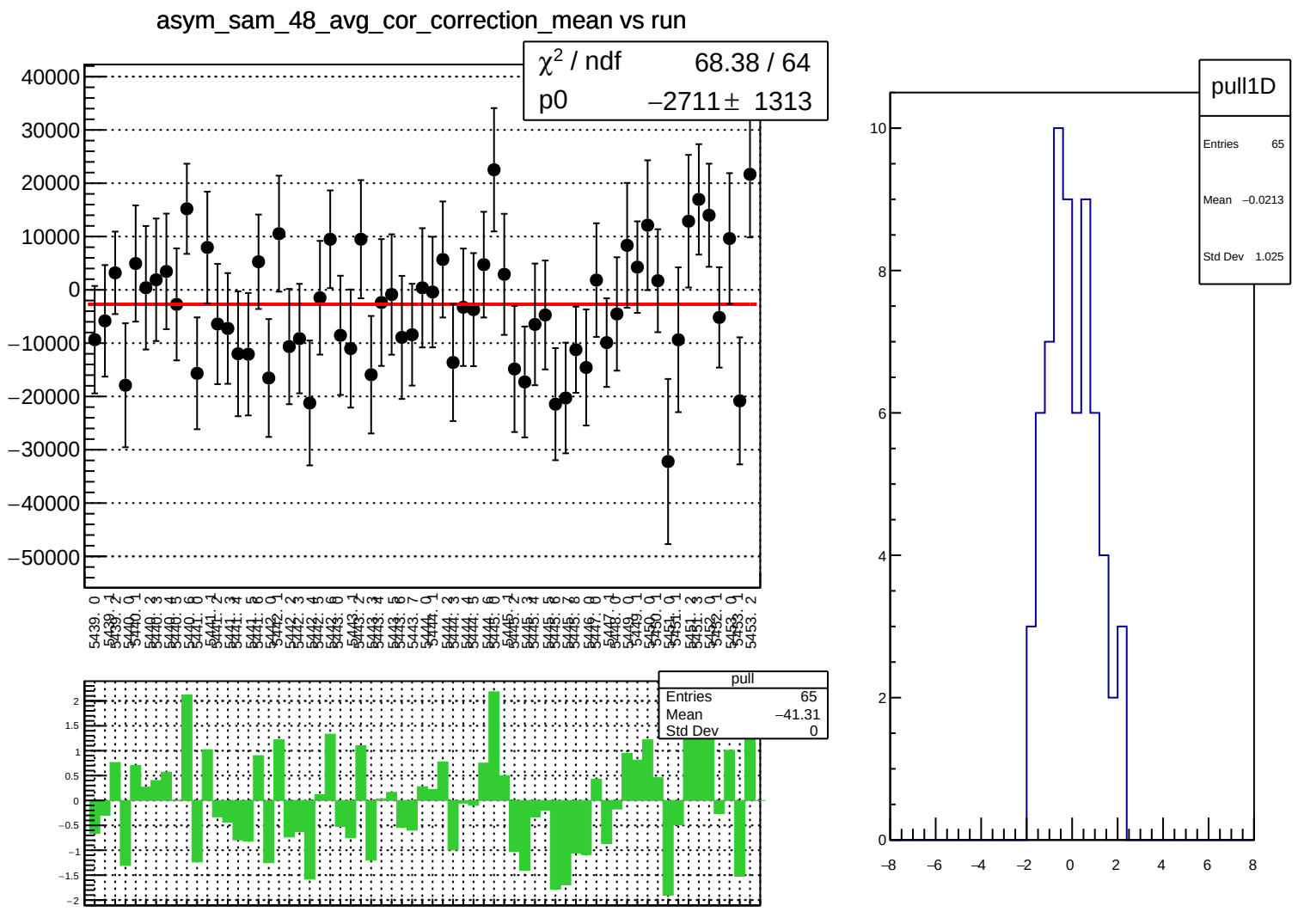

pull1D
Entries 65
Mean −0.0213
Std Dev 1.025

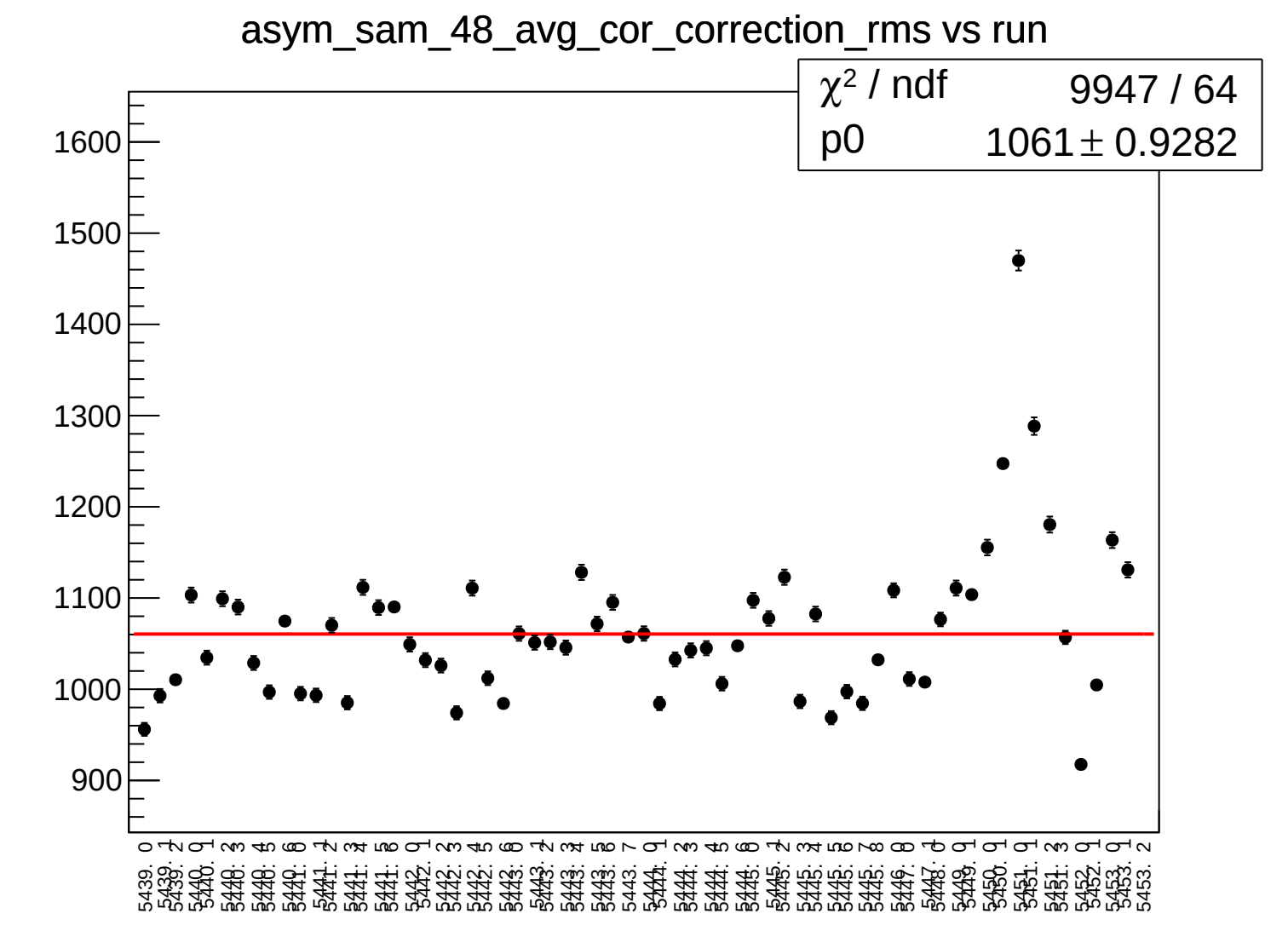

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 9947 / 64
p0 1061 ± 0.9282
1600
1500
1400
1300
1200
1100
1000
900

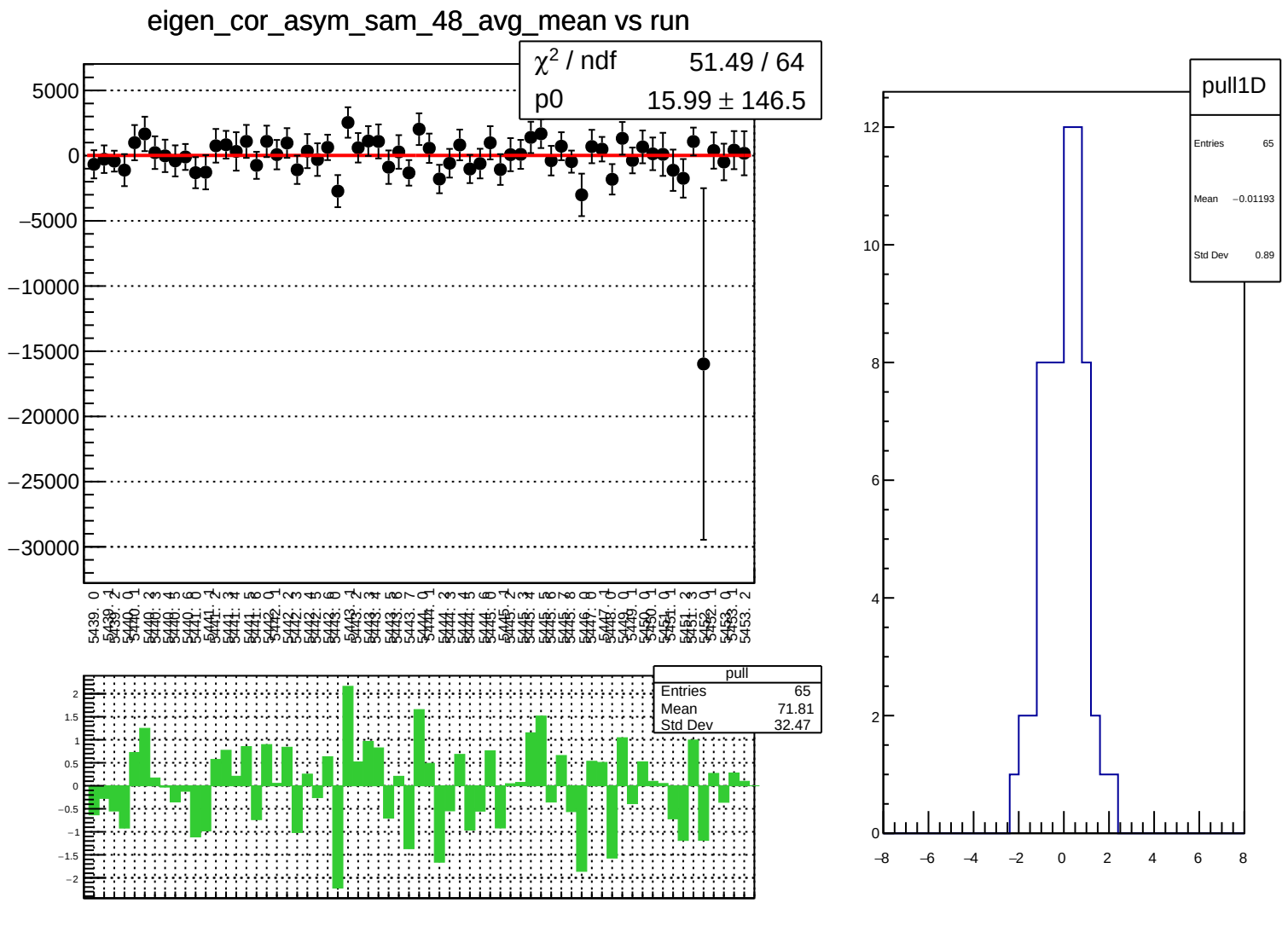

cor_asym_sam_48_avg_mean vs run
χ² / ndf 51.49 / 64
p0 15.99 ± 146.5
pull
Entries 65
Mean 71.81
Std Dev 32.47

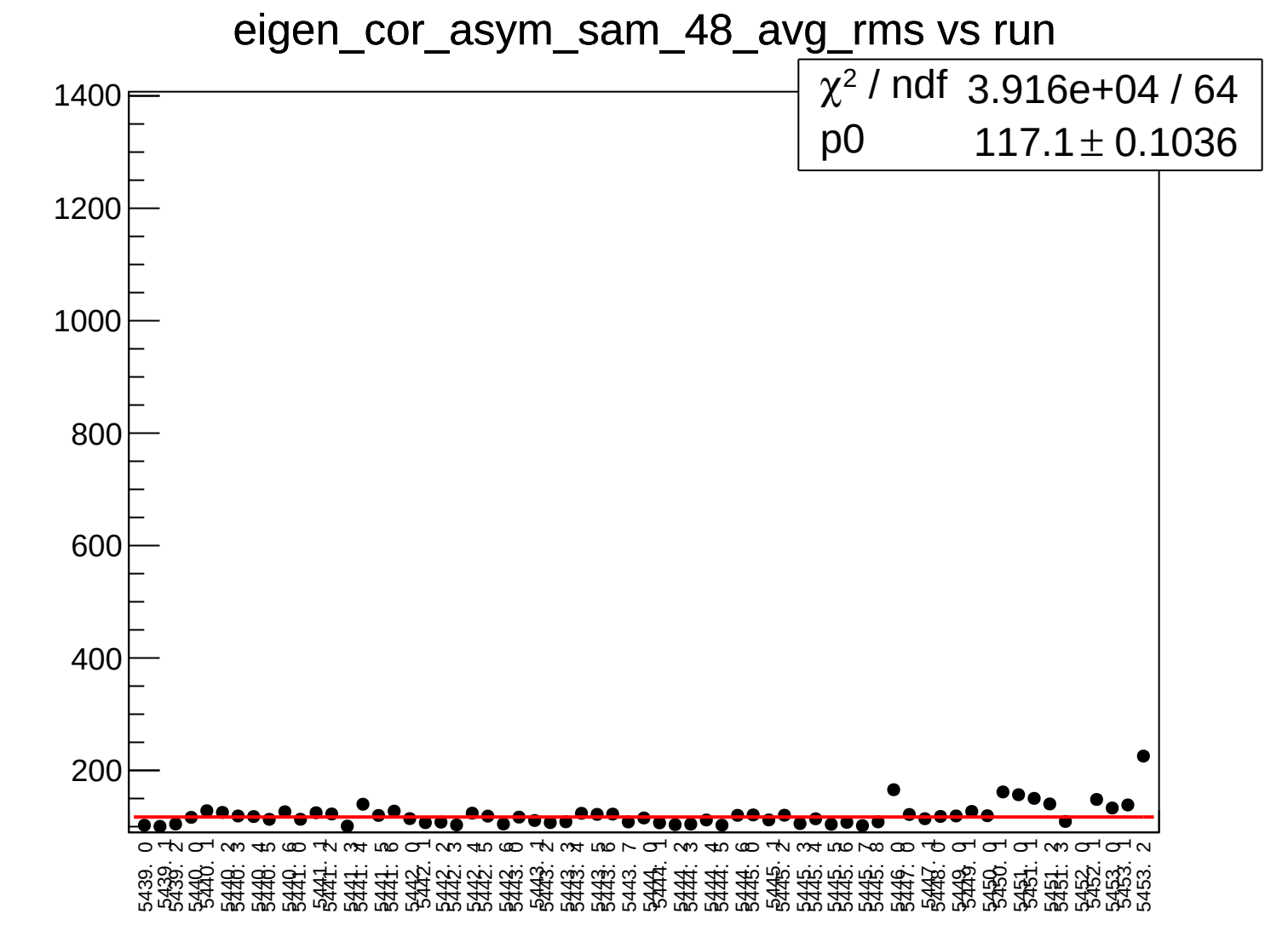

pull1D
Entries 65
Mean −0.01193
Std Dev 0.89

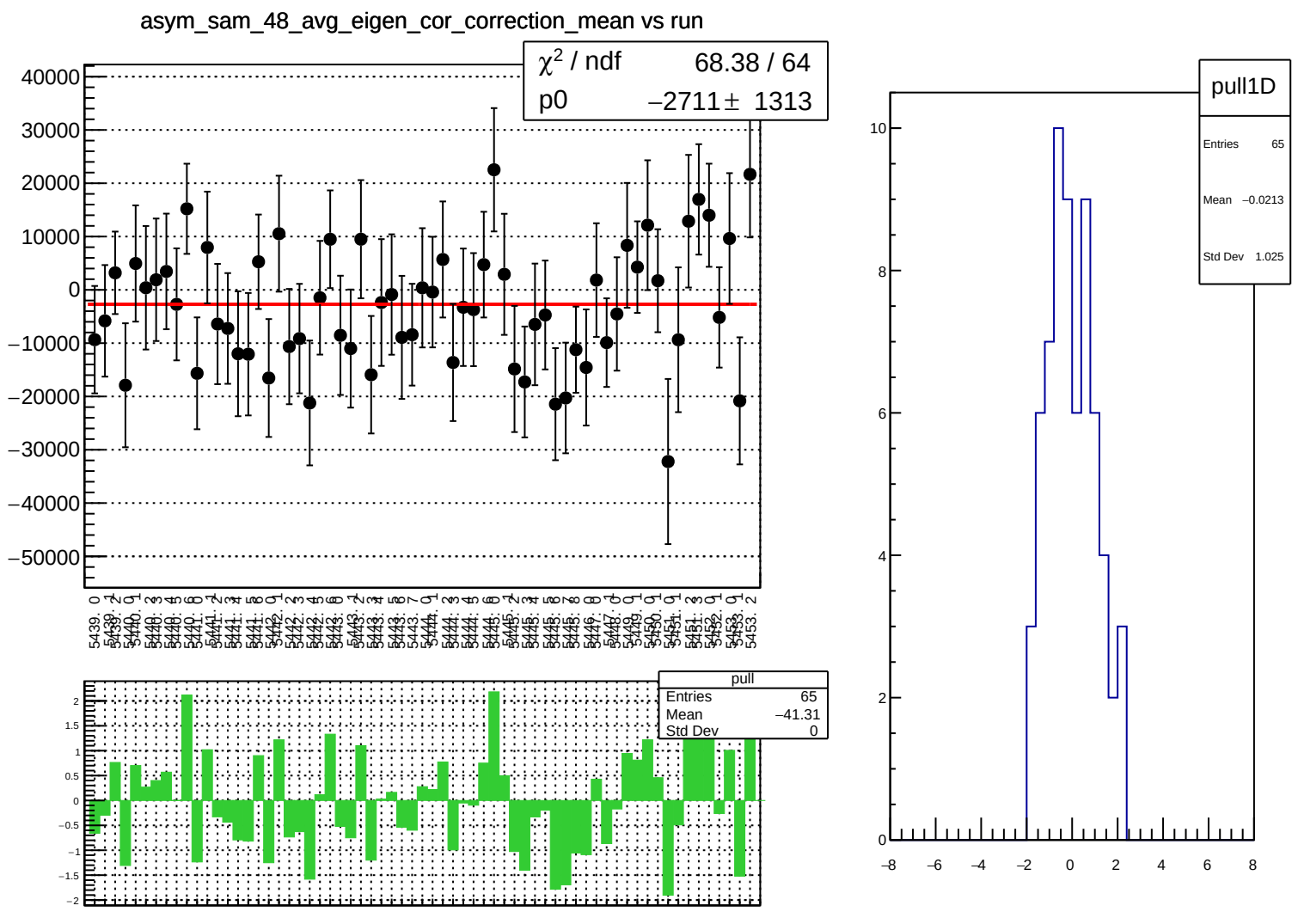

cor_asym_sam_48_avg_rms vs run
χ² / ndf 3.916e+04 / 64
p0 117.1 ± 0.1036
1400
1200
1000
800
600
400
200

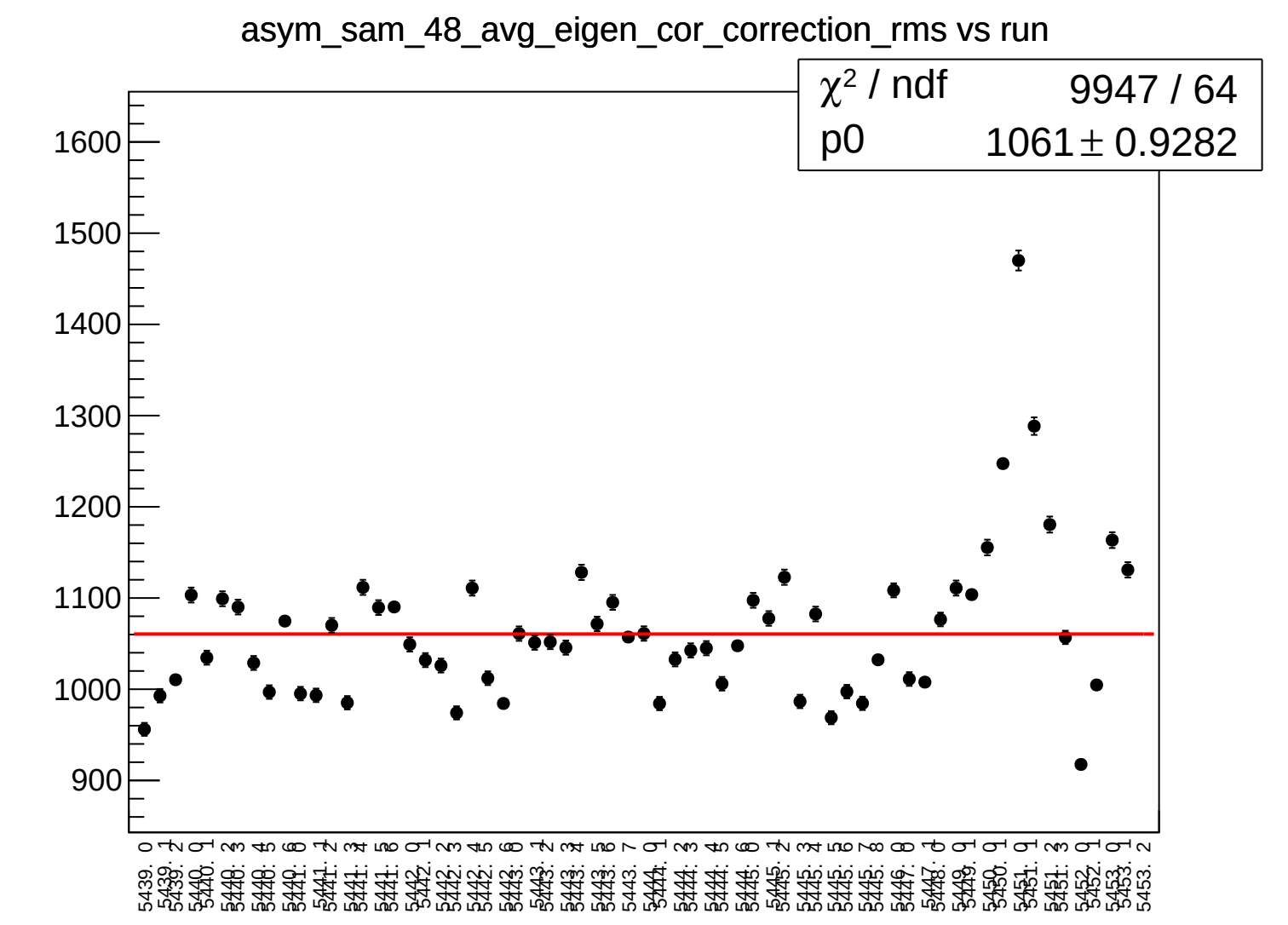

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 68.38 / 64
p0 −2711 ± 1313
pull
Entries 65
Mean −41.31
Std Dev 0
pull1D
Entries 65
Mean −0.0213
Std Dev 1.025

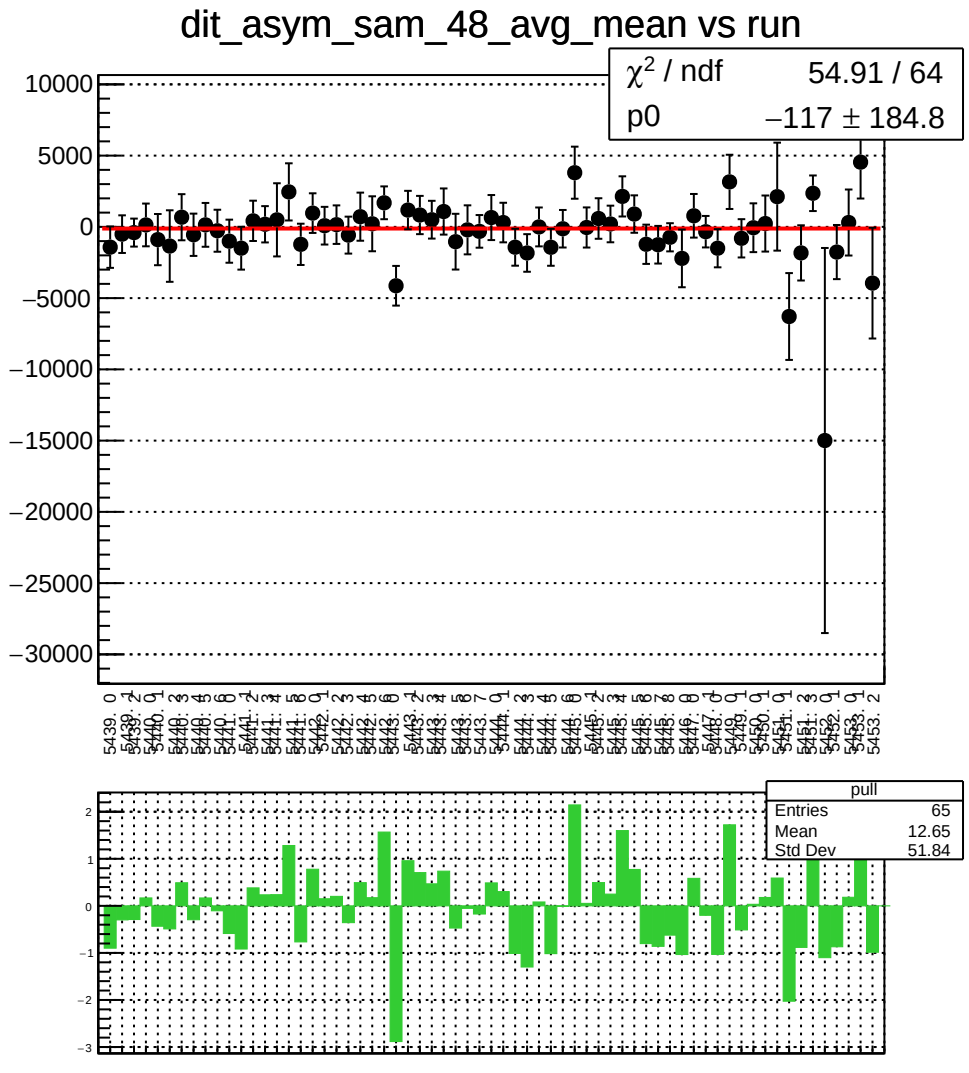

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 9947 / 64
p0 1061 ± 0.9282
1600
1500
1400
1300
1200
1100
1000
900

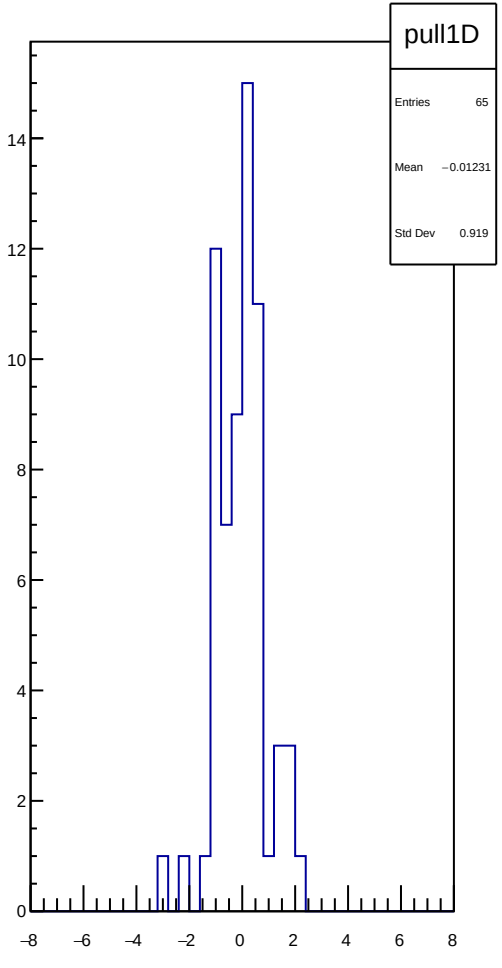

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 51.49 / 64
p0 15.99 ± 146.5
pull
Entries 65
Mean 71.81
Std Dev 32.47
pull1D
Entries 65
Mean −0.01193
Std Dev 0.89

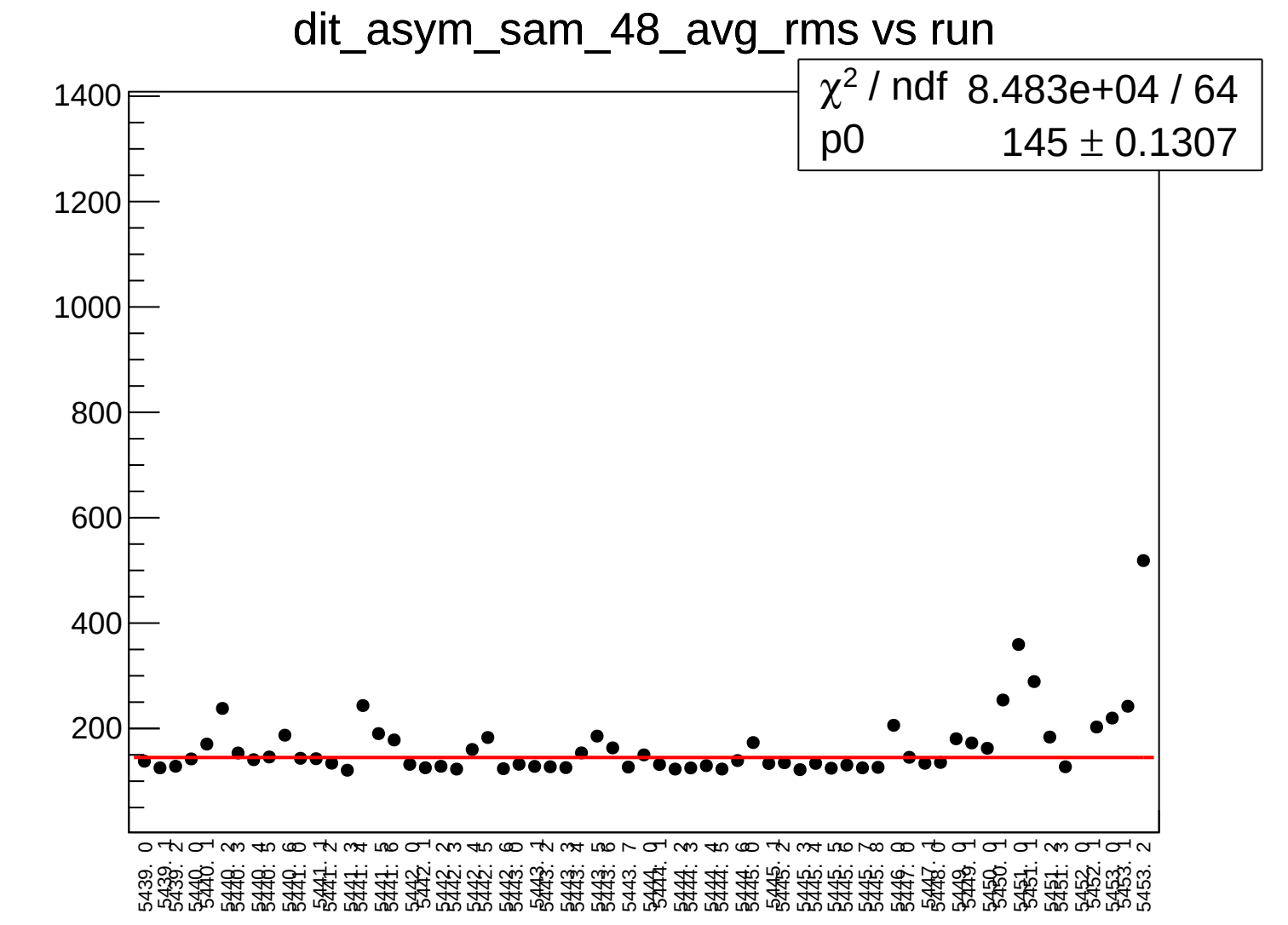

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 3.916e+04 / 64
p0 117.1 ± 0.1036
1400
1200
1000
800
600
400
200

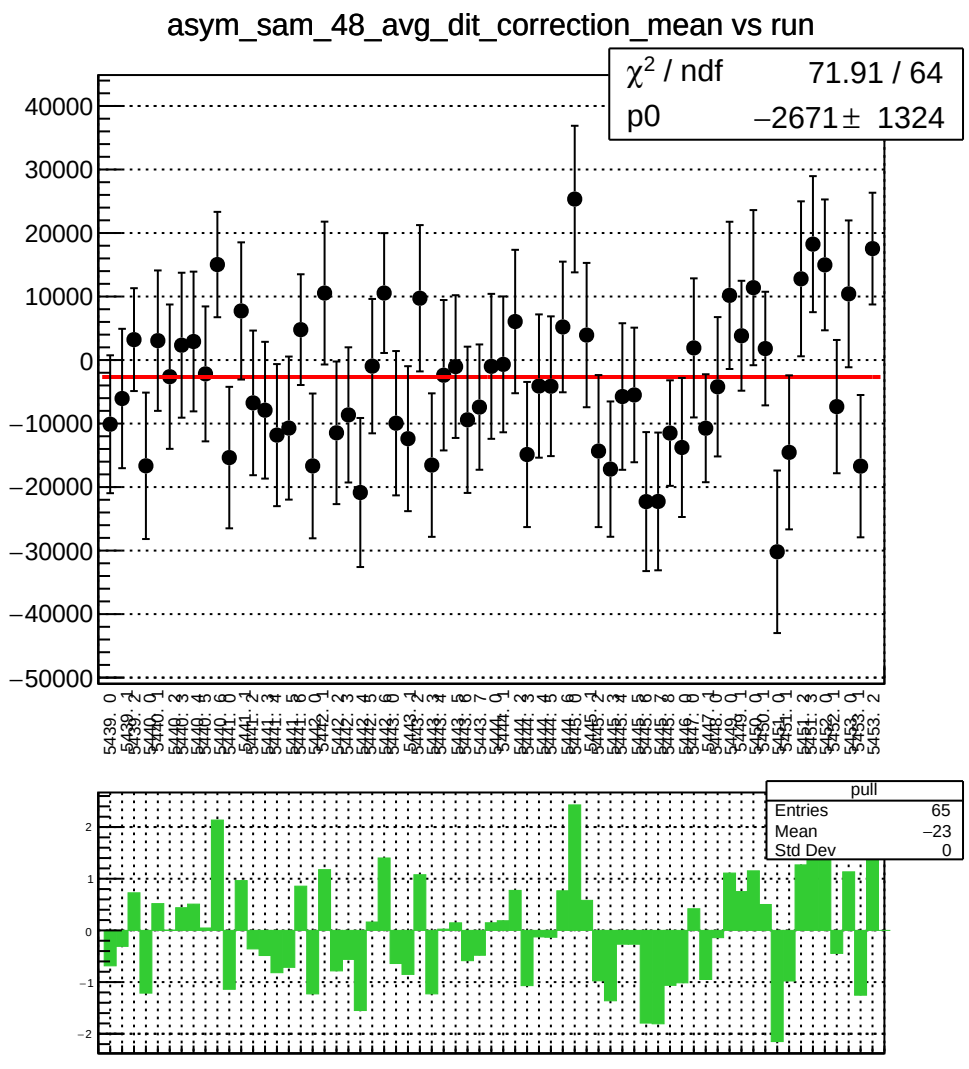

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.38 / 64
p0 −2711 ± 1313
pull
Entries 65
Mean −41.31
Std Dev 0
pull1D
Entries 65
Mean −0.0213
Std Dev 1.025

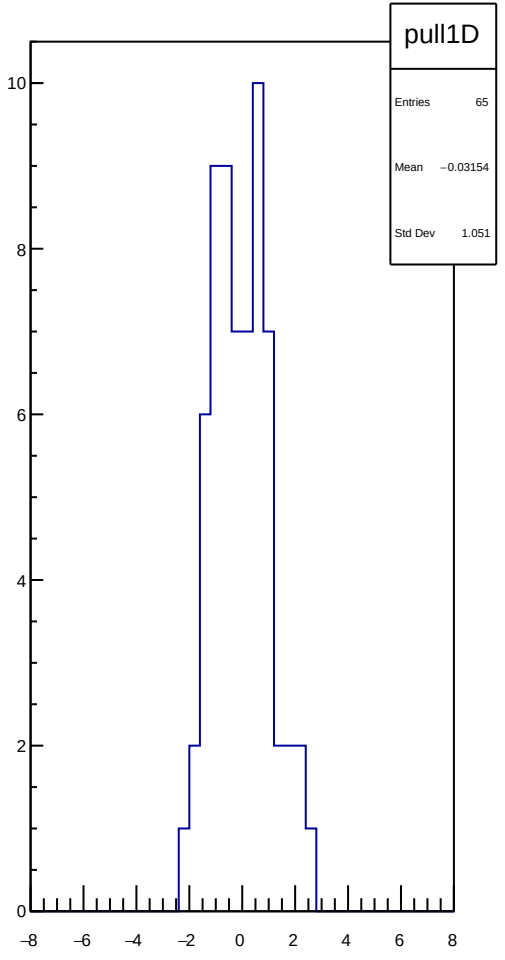

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 9947 / 64
p0 1061 ± 0.9282
1600
1500
1400
1300
1200
1100
1000
900

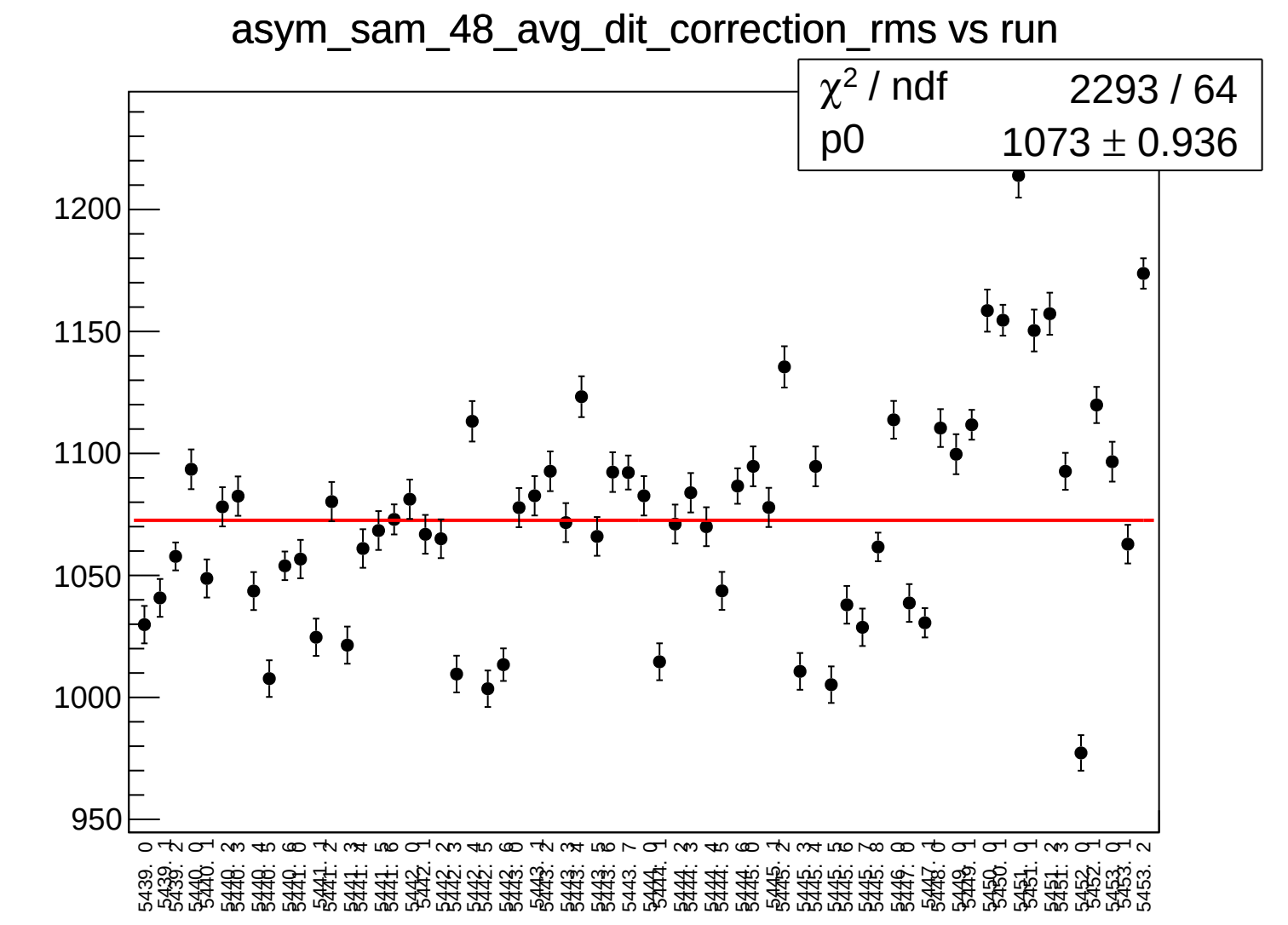

dit_asym_sam_48_avg_mean vs run
χ² / ndf 54.91 / 64
p0 −117 ± 184.8
pull
Entries 65
Mean 12.65
Std Dev 51.84

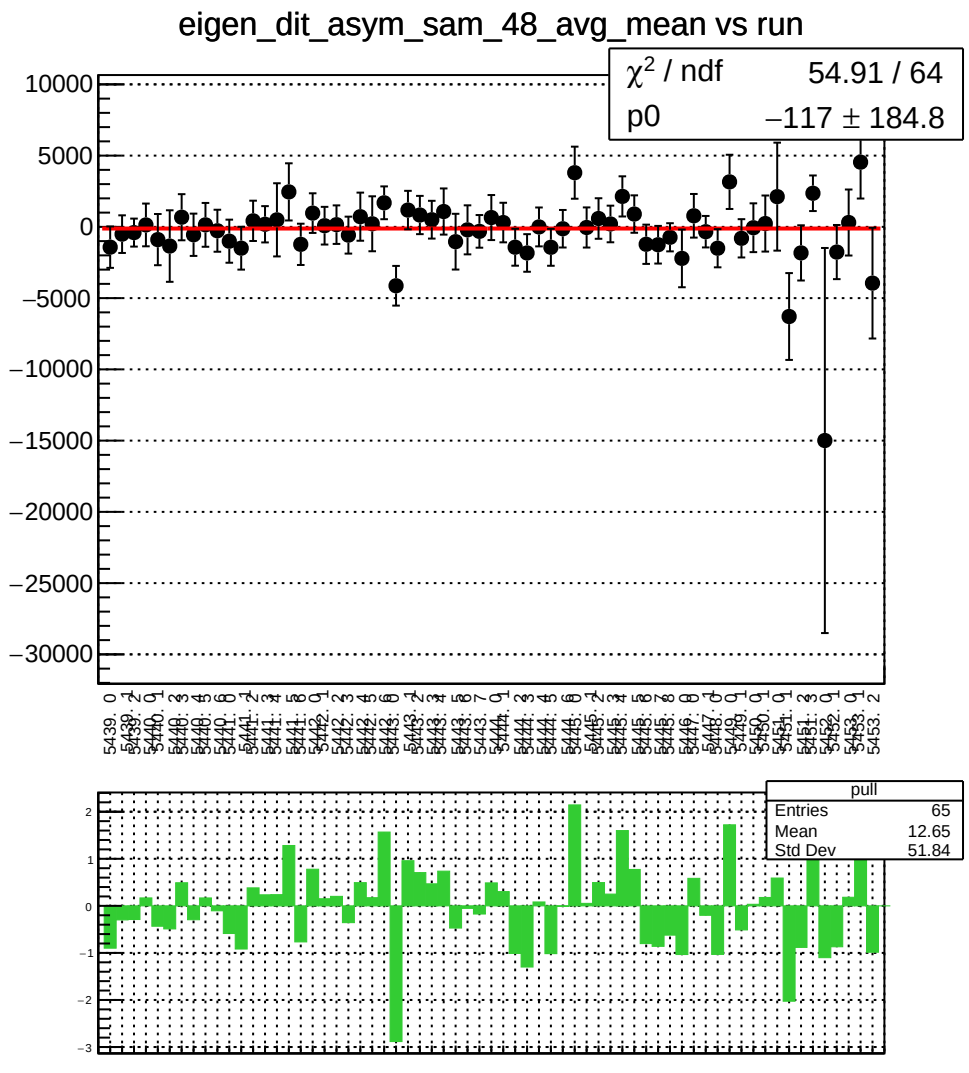

pull1D
Entries 65
Mean −0.01231
Std Dev 0.919

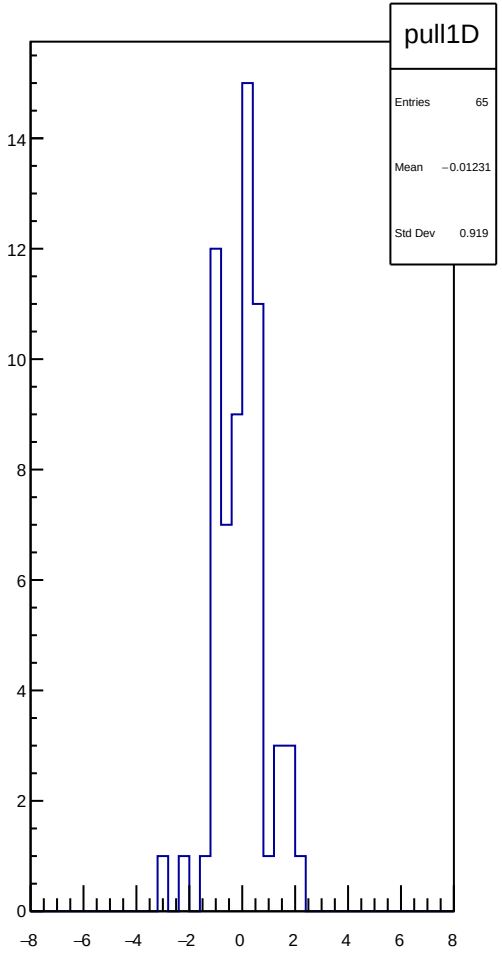

dit_asym_sam_48_avg_rms vs run
χ² / ndf 8.483e+04 / 64
p0 145 ± 0.1307
1400
1200
1000
800
600
400
200

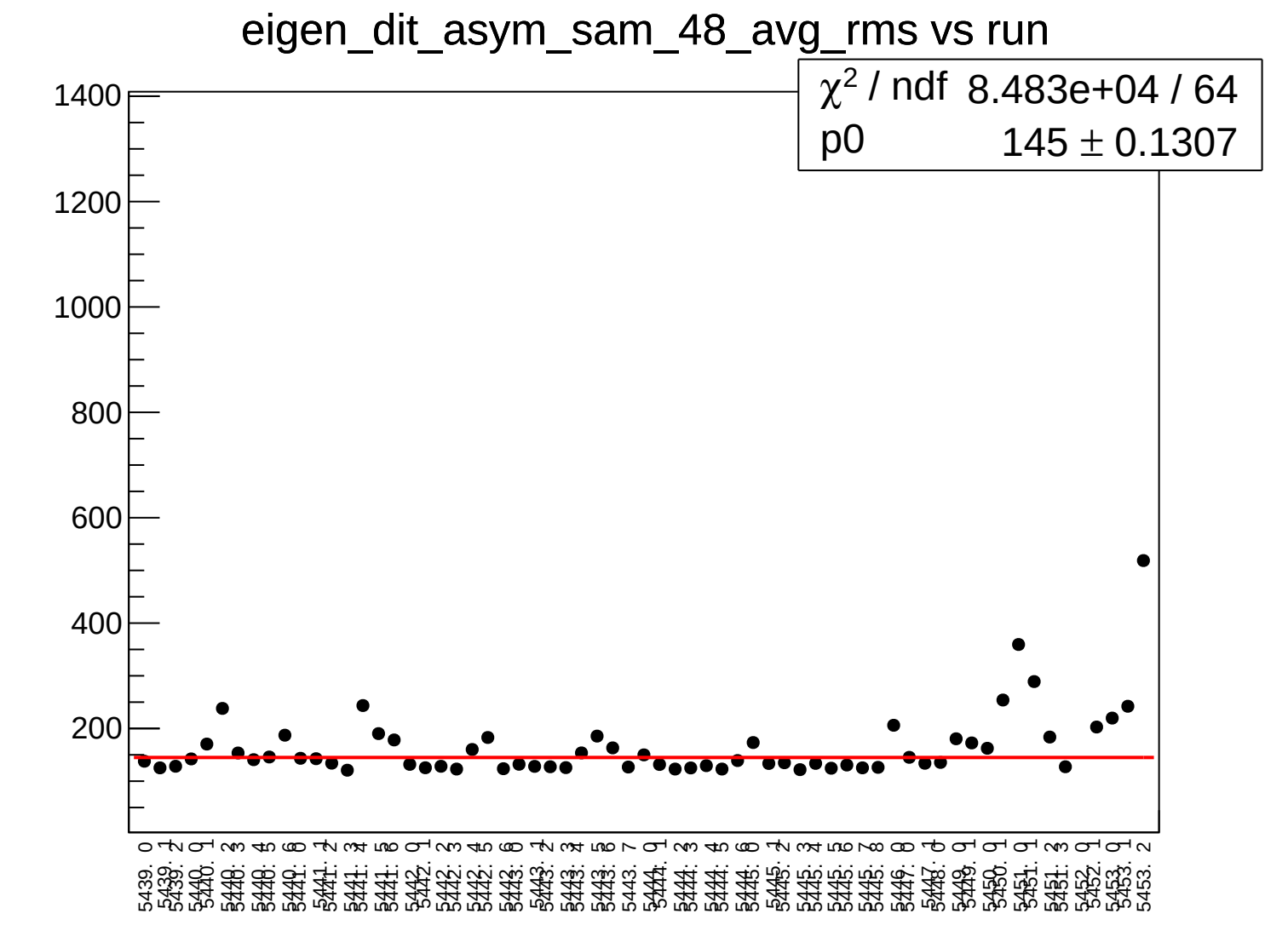

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 71.91 / 64
p0 −2671 ± 1324
pull
Entries 65
Mean −23
Std Dev 0

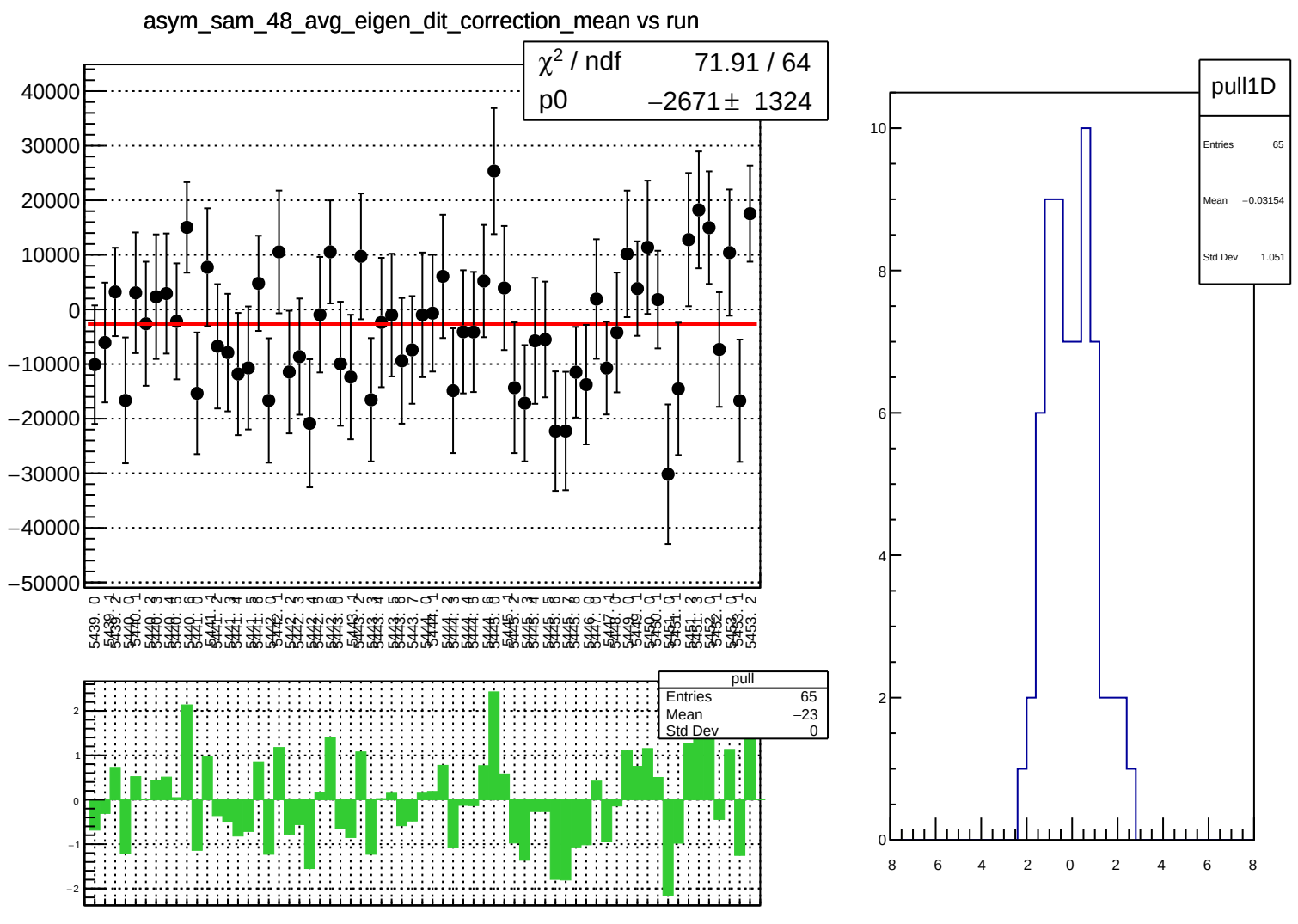

pull1D
Entries 65
Mean −0.03154
Std Dev 1.051

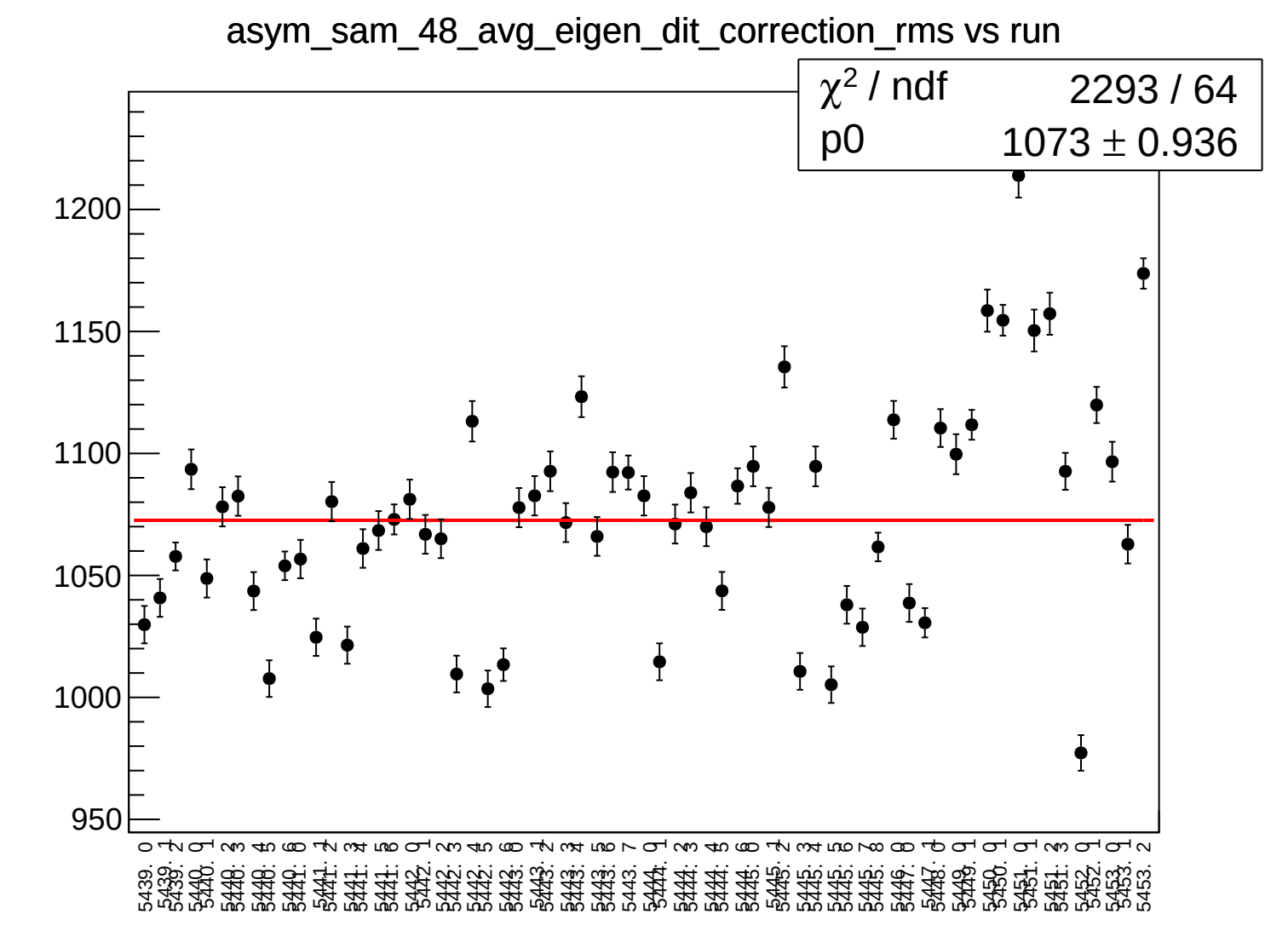

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 2293 / 64
p0 1073 ± 0.936
1200
1150
1100
1050
1000
950


eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 54.91 / 64
p0 −117 ± 184.8
pull
Entries 65
Mean 12.65
Std Dev 51.84


pull1D
Entries 65
Mean −0.01231
Std Dev 0.919


eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 8.483e+04 / 64
p0 145 ± 0.1307
1400
1200
1000
800
600
400
200
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2


asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.91 / 64
p0 −2671 ± 1324
pull
Entries 65
Mean −23
Std Dev 0
pull1D
Entries 65
Mean −0.03154
Std Dev 1.051


asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 2293 / 64
p0 1073 ± 0.936
1200
1150
1100
1050
1000
950
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
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5447. 0
5447. 1
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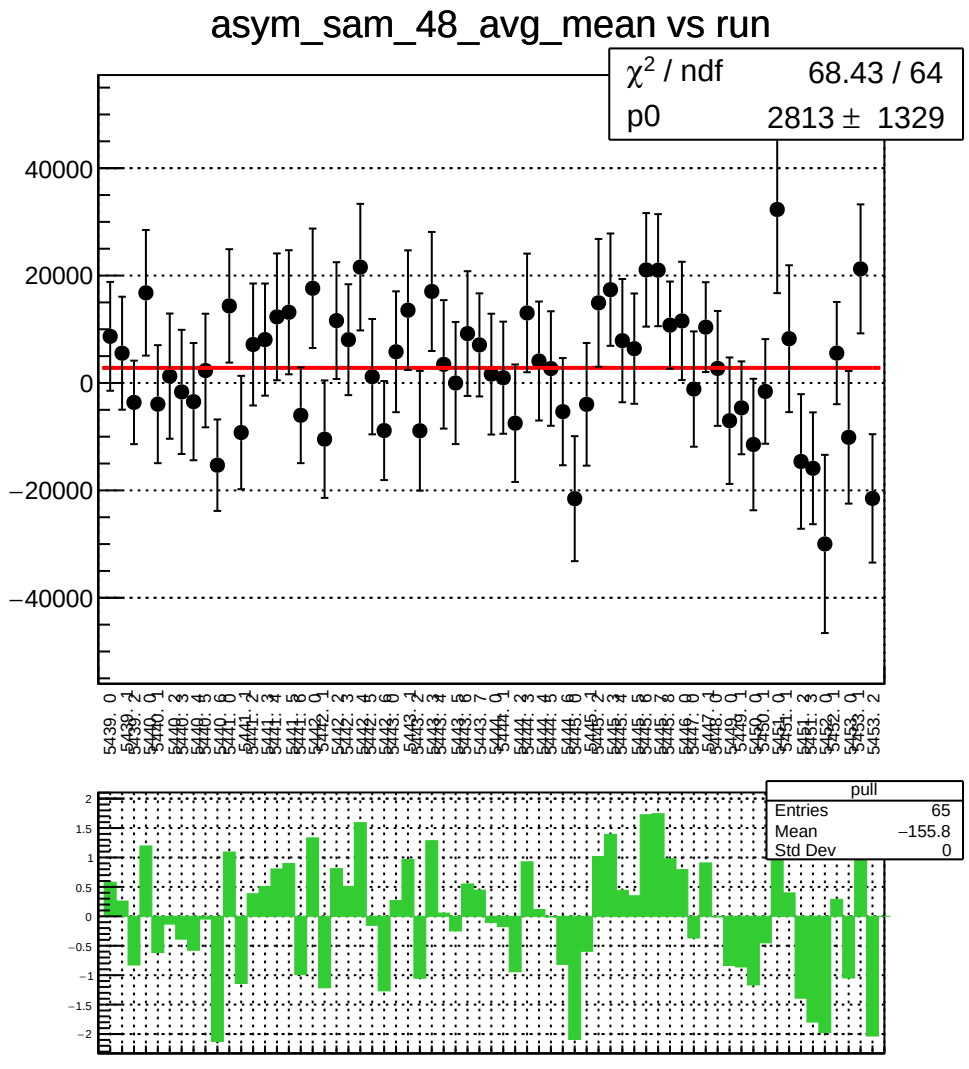
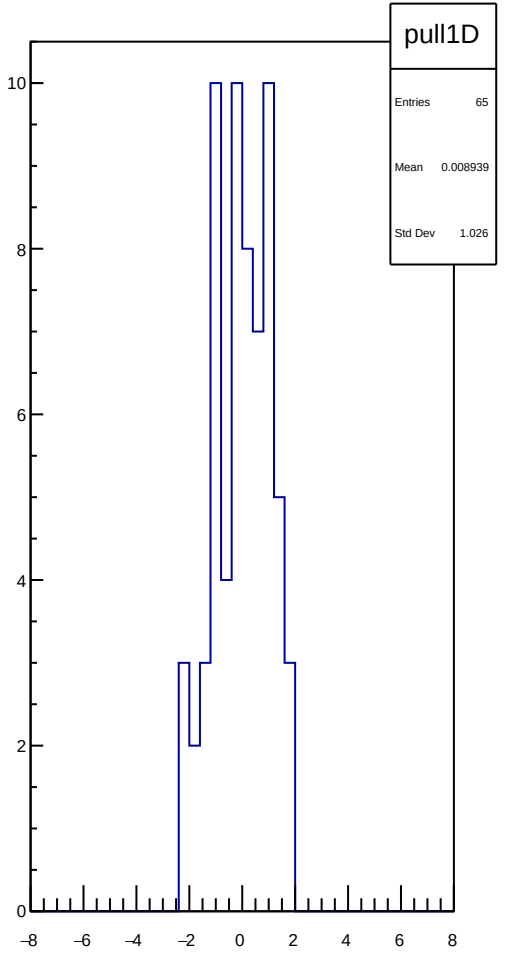
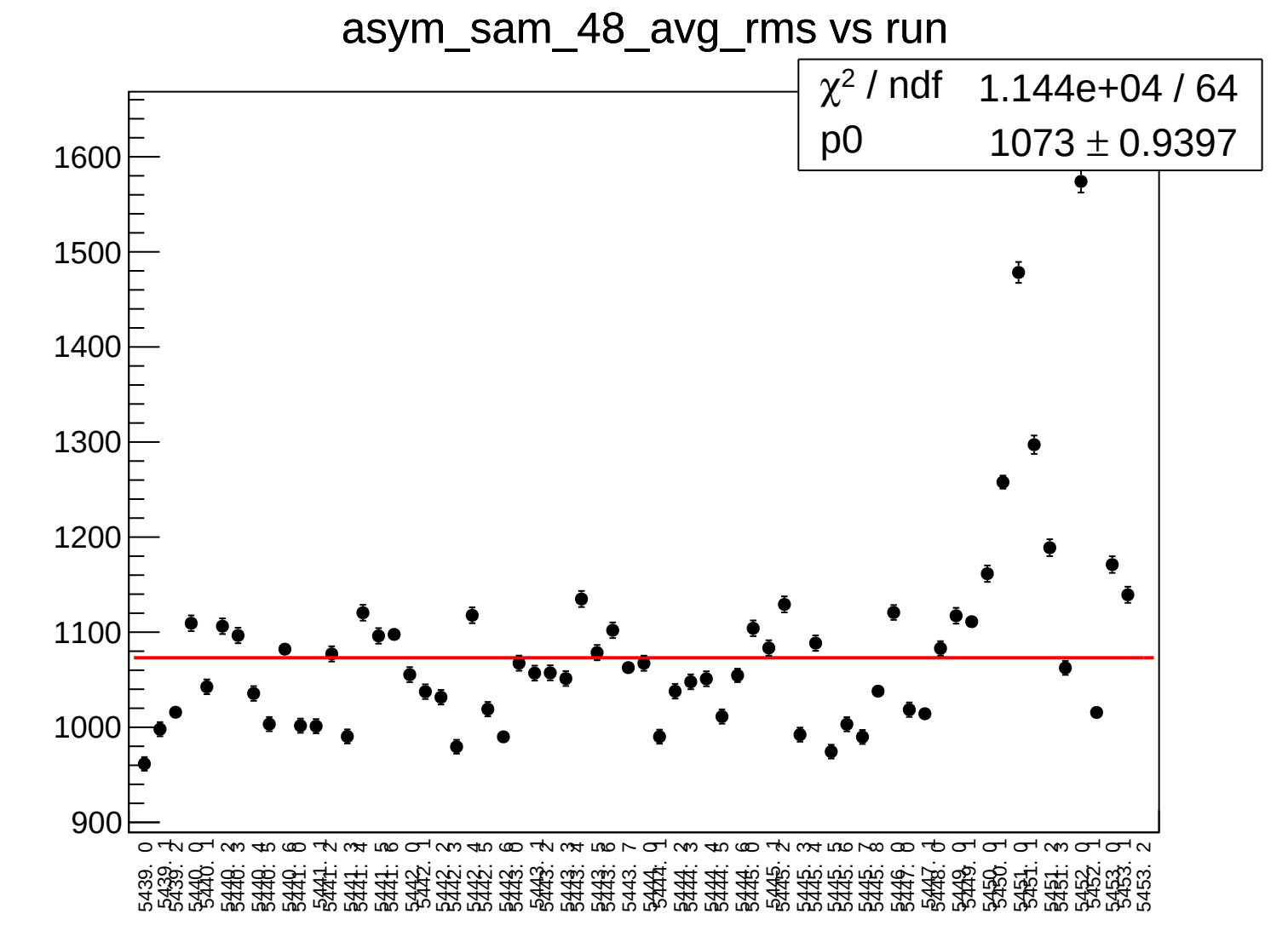
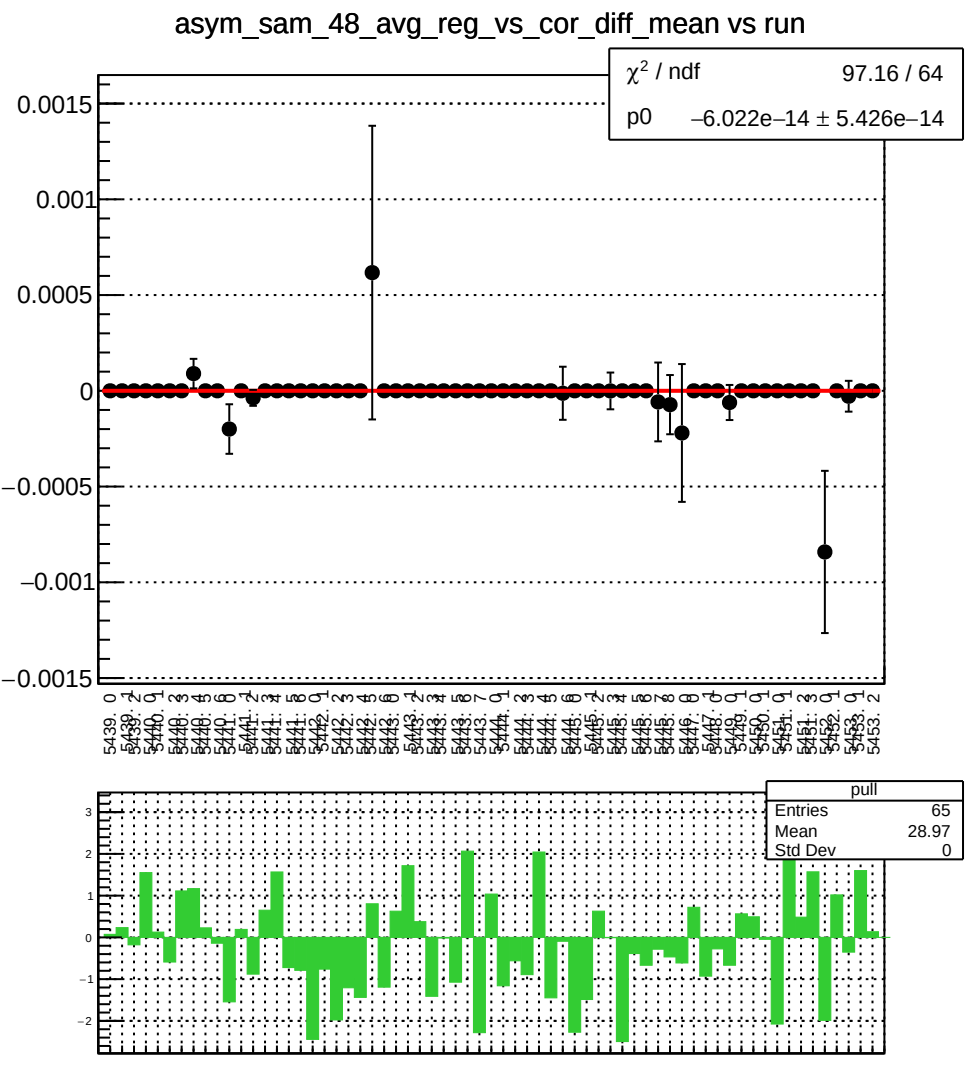
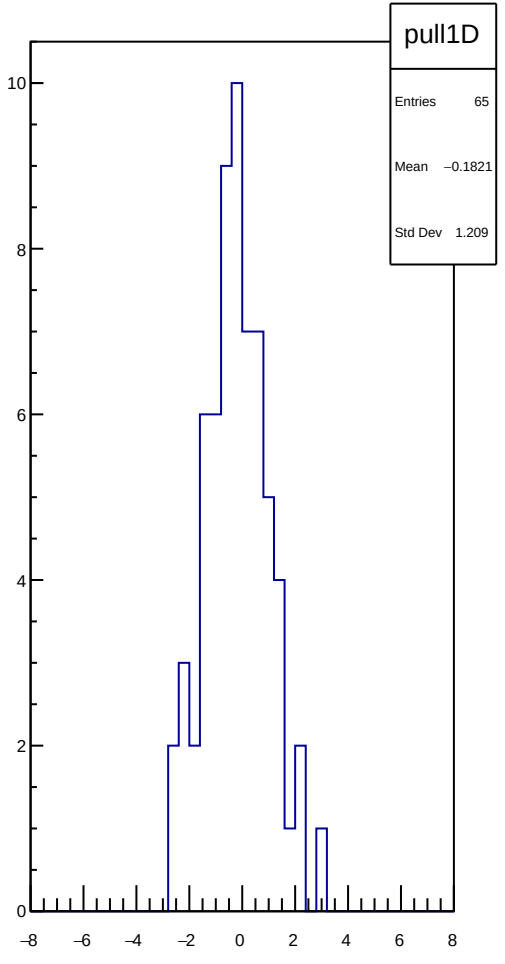
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

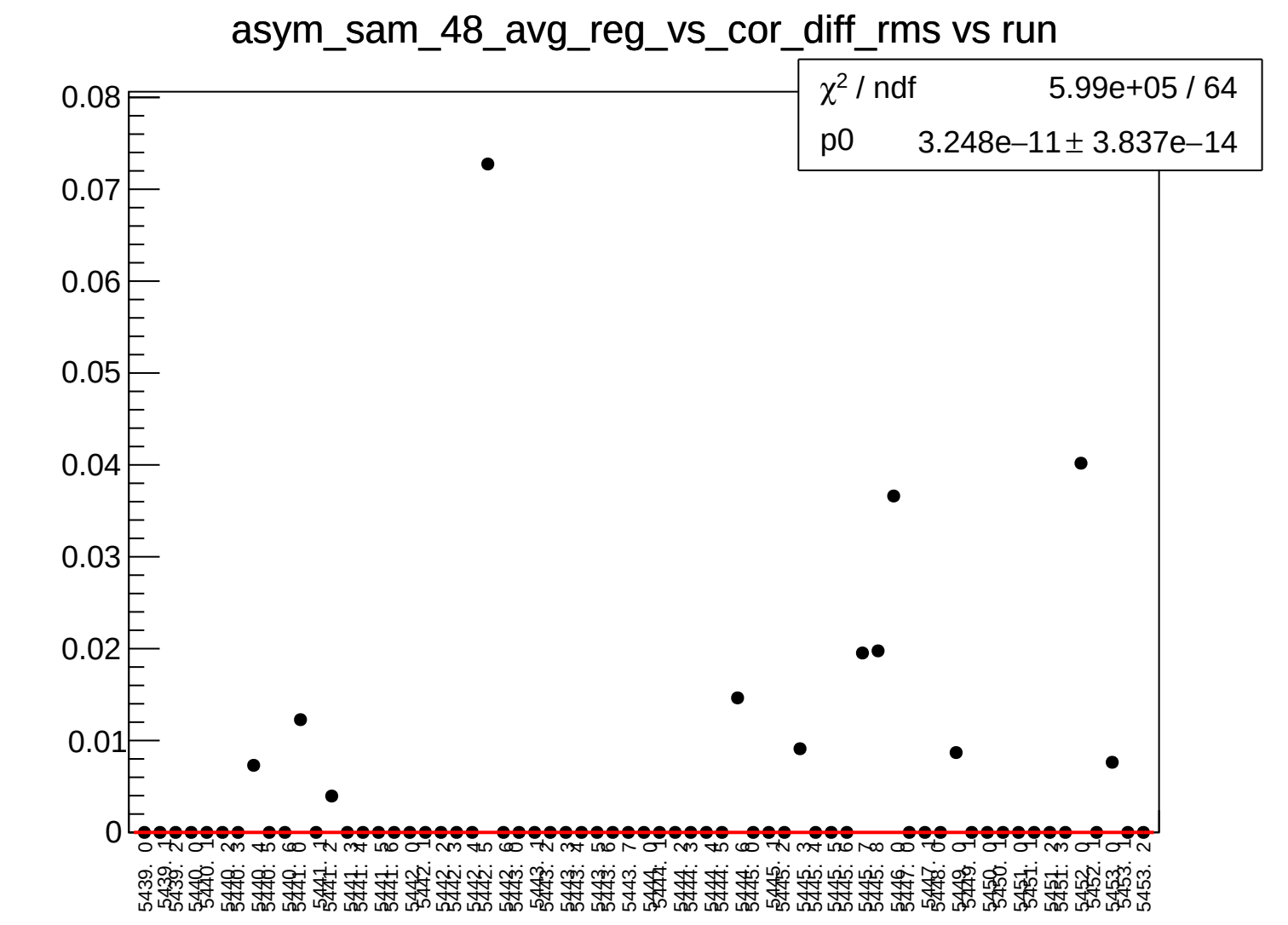

asym_sam_48_avg_mean vs run
χ² / ndf 68.43 / 64
p0 2813 ± 1329
40000
20000
0
−20000
−40000
pull
Entries 65
Mean −155.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

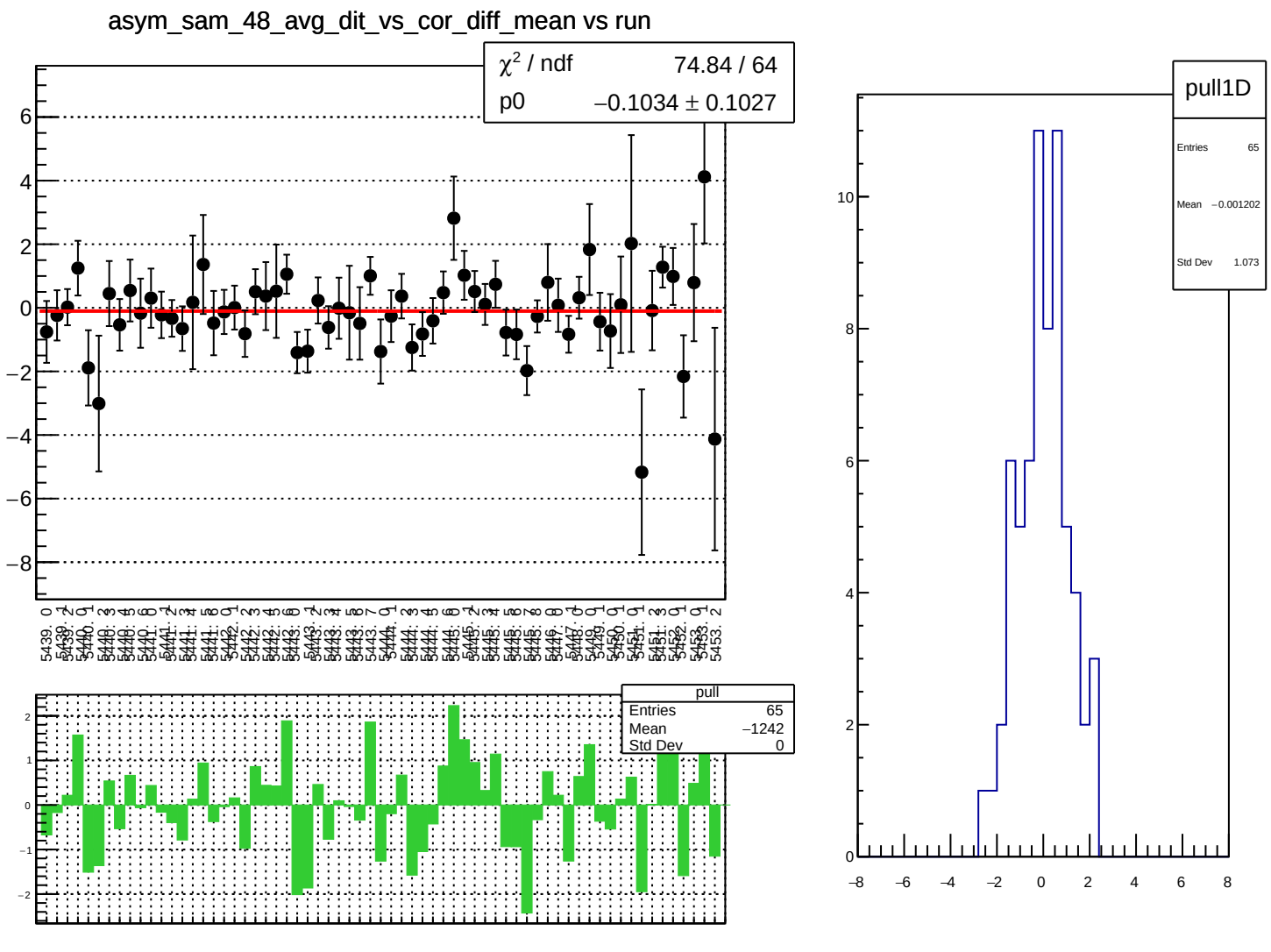

pull1D
Entries 65
Mean 0.008939
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

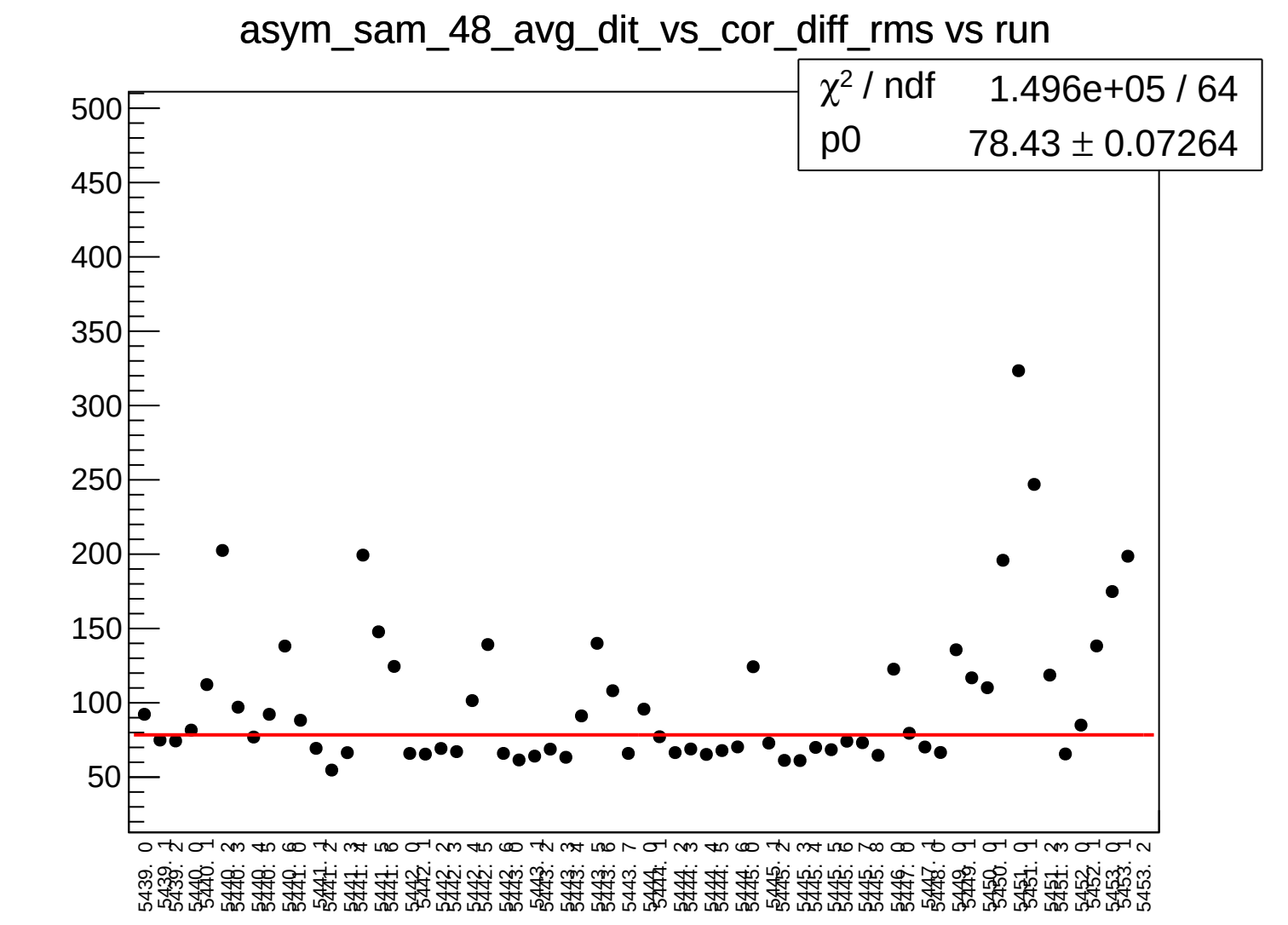

asym_sam_48_avg_rms vs run
χ² / ndf 1.144e+04 / 64
p0 1073 ± 0.9397
1600
1500
1400
1300
1200
1100
1000
900

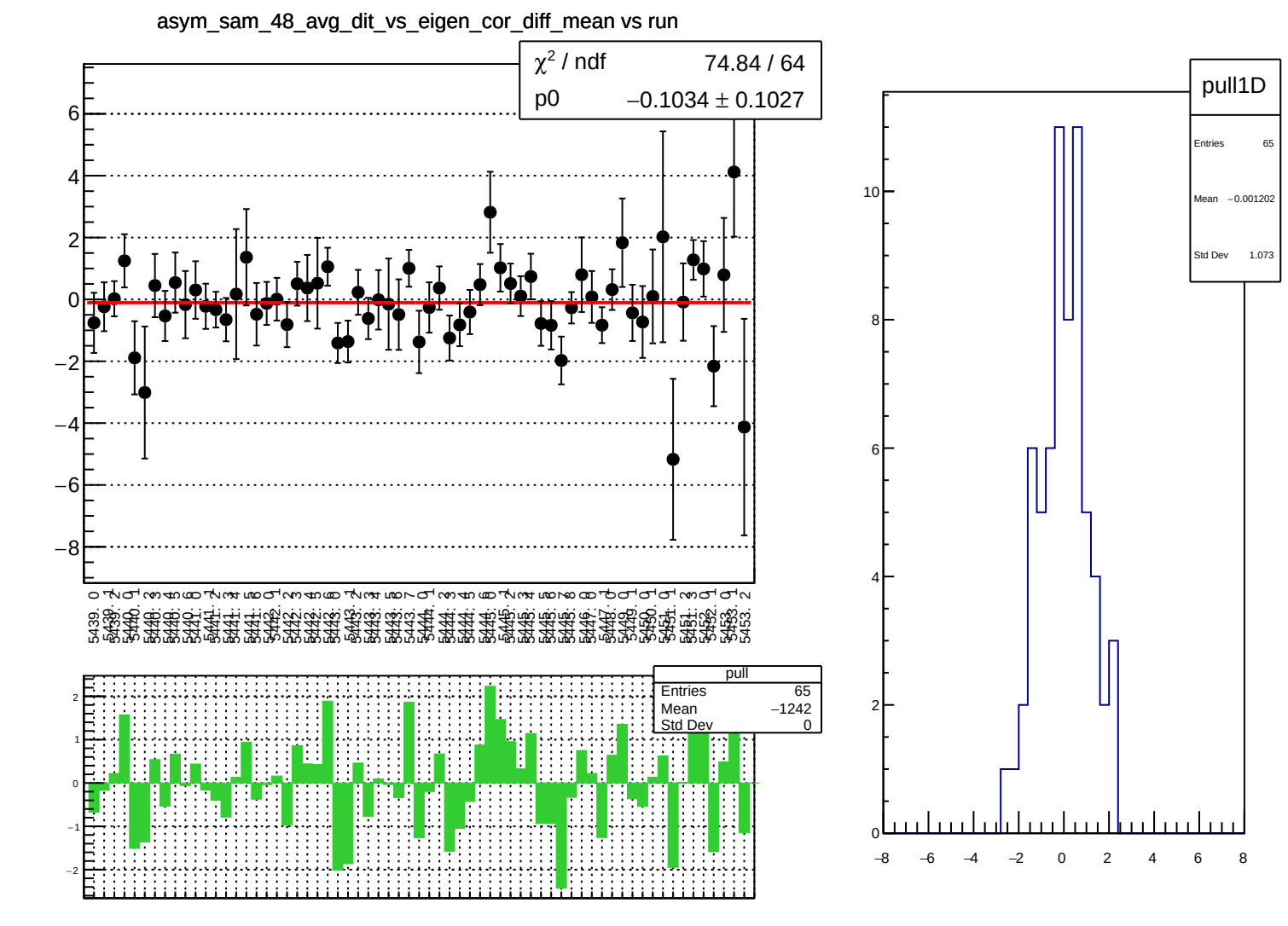

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 97.16 / 64
p0 −6.022e−14 ± 5.426e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 28.97
Std Dev 0
3
2
1
0
−1
−2

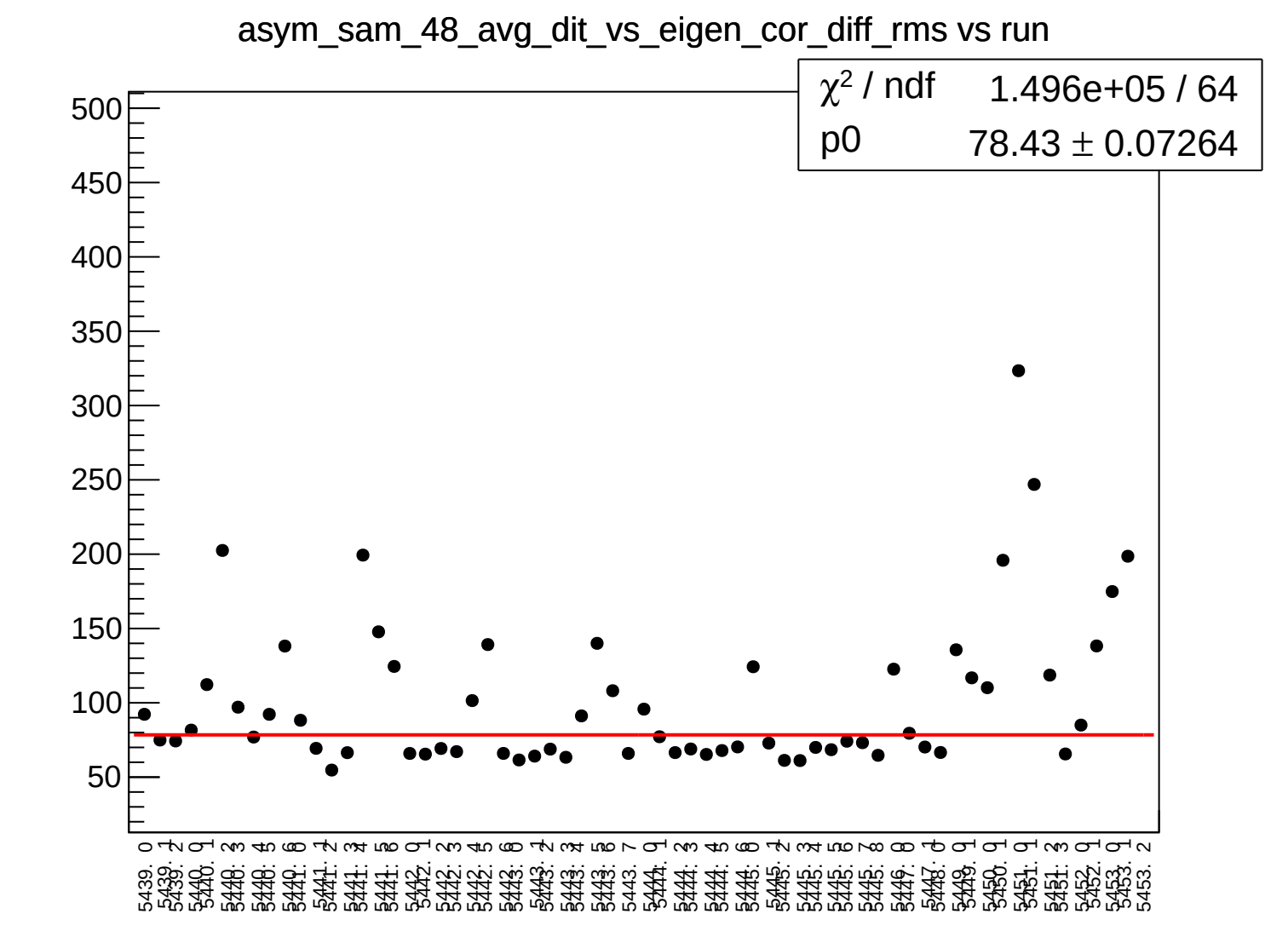

pull1D
Entries 65
Mean −0.1821
Std Dev 1.209
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

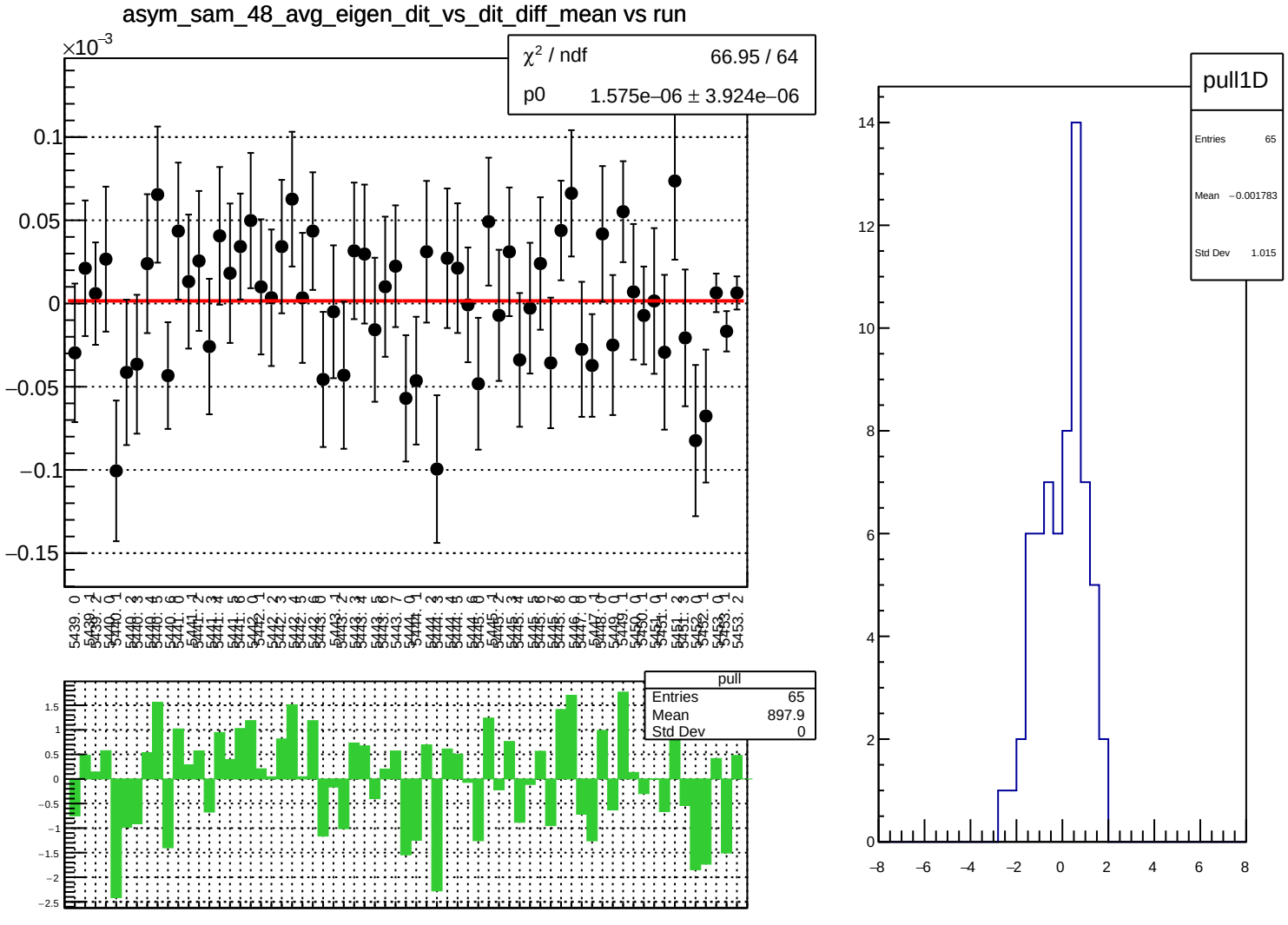

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.99e+05 / 64
p0 3.248e−11 ± 3.837e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

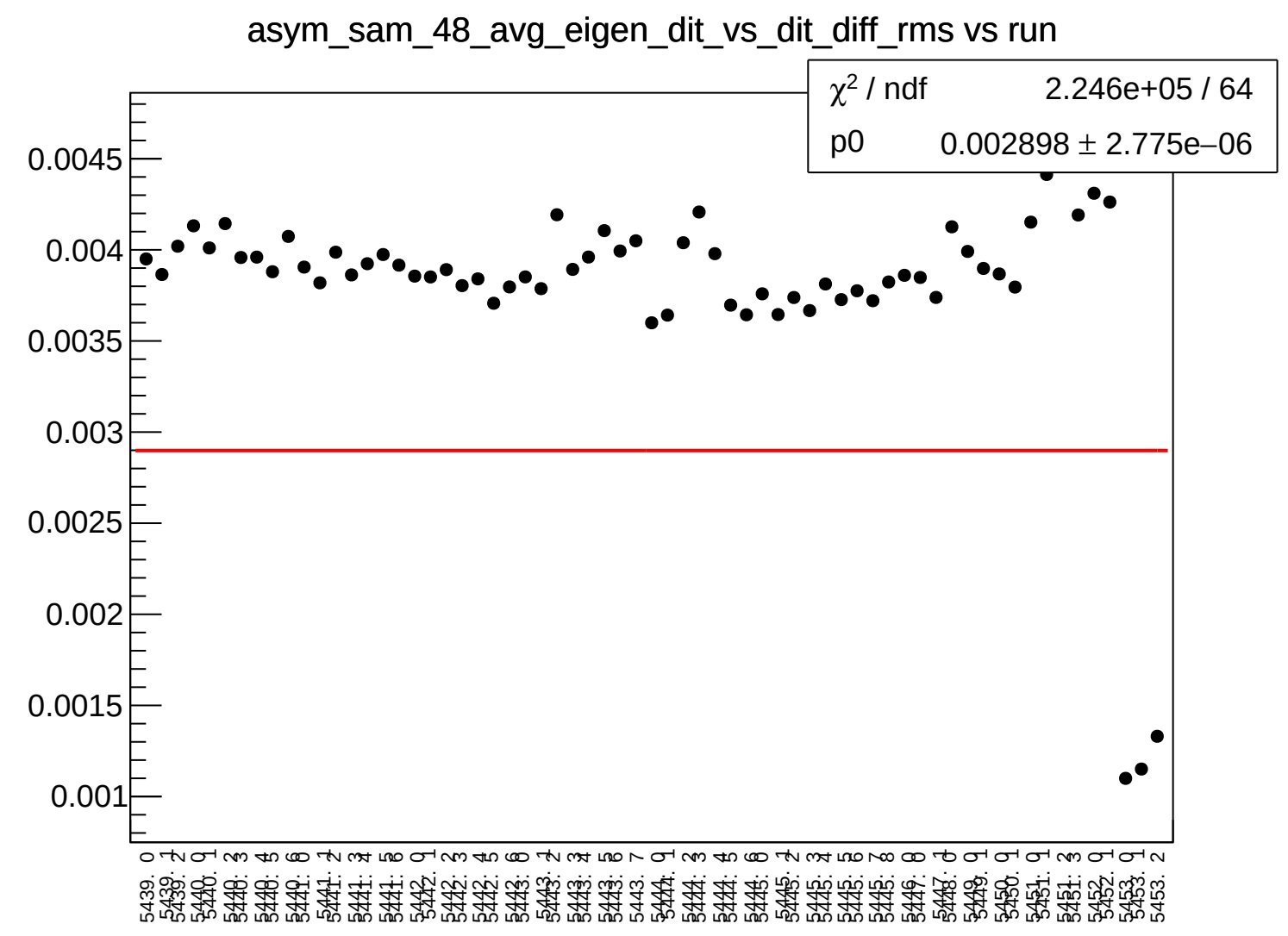

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 74.84 / 64
p0 −0.1034 ± 0.1027
pull
Entries 65
Mean −1242
Std Dev 0
pull1D
Entries 65
Mean −0.001202
Std Dev 1.073

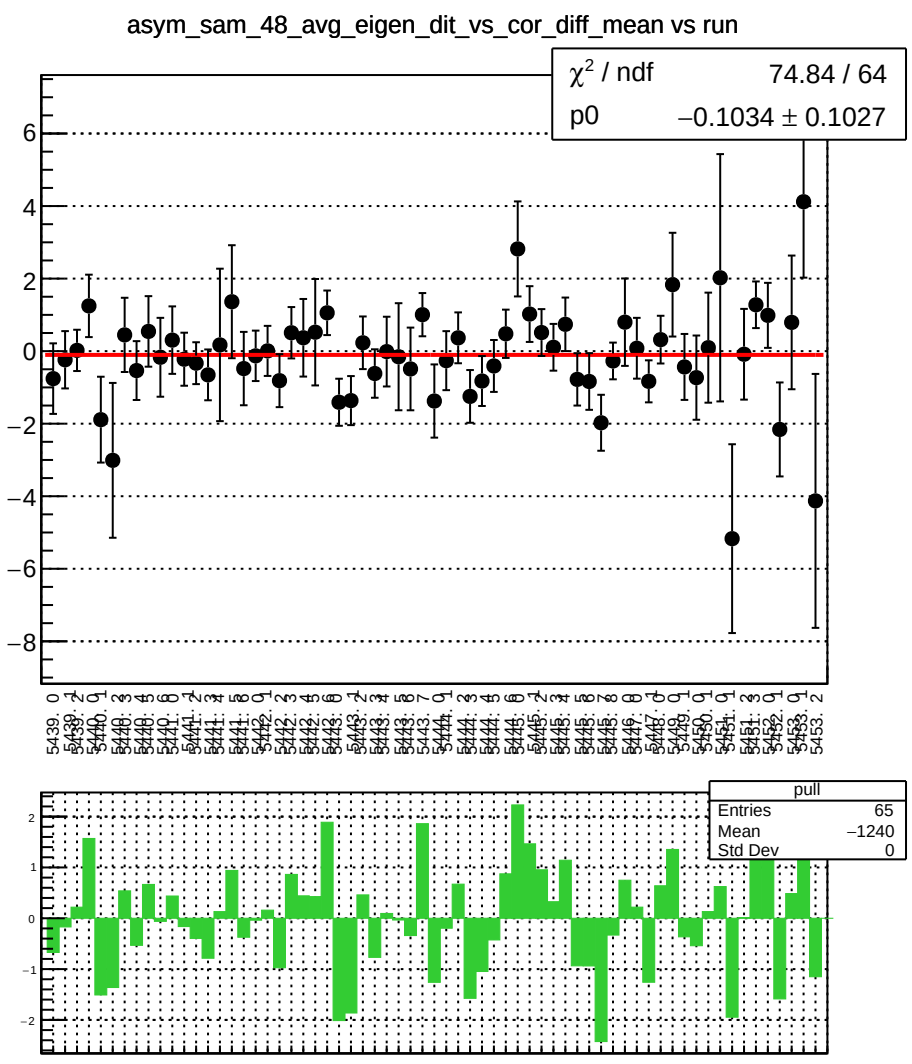

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.496e+05 / 64
p0 78.43 ± 0.07264
500
450
400
350
300
250
200
150
100
50

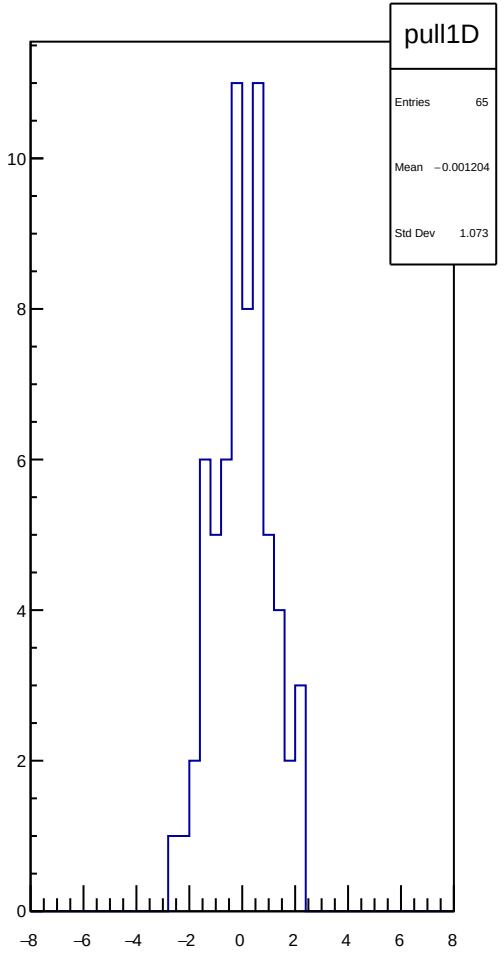

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.84 / 64
p0 −0.1034 ± 0.1027
pull
Entries 65
Mean −1242
Std Dev 0
pull1D
Entries 65
Mean −0.001202
Std Dev 1.073

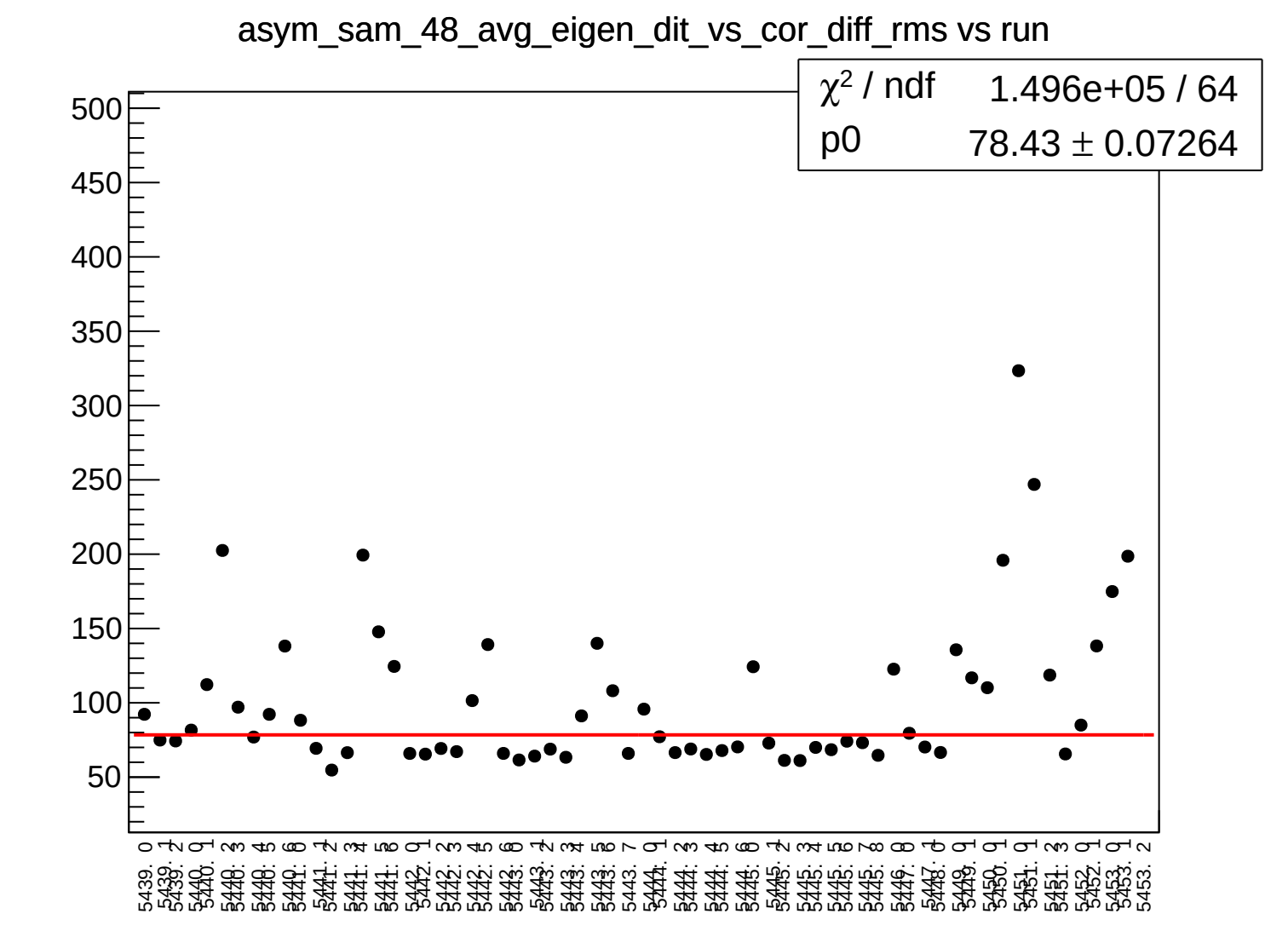

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.496e+05 / 64
p0 78.43 ± 0.07264
500
450
400
350
300
250
200
150
100
50

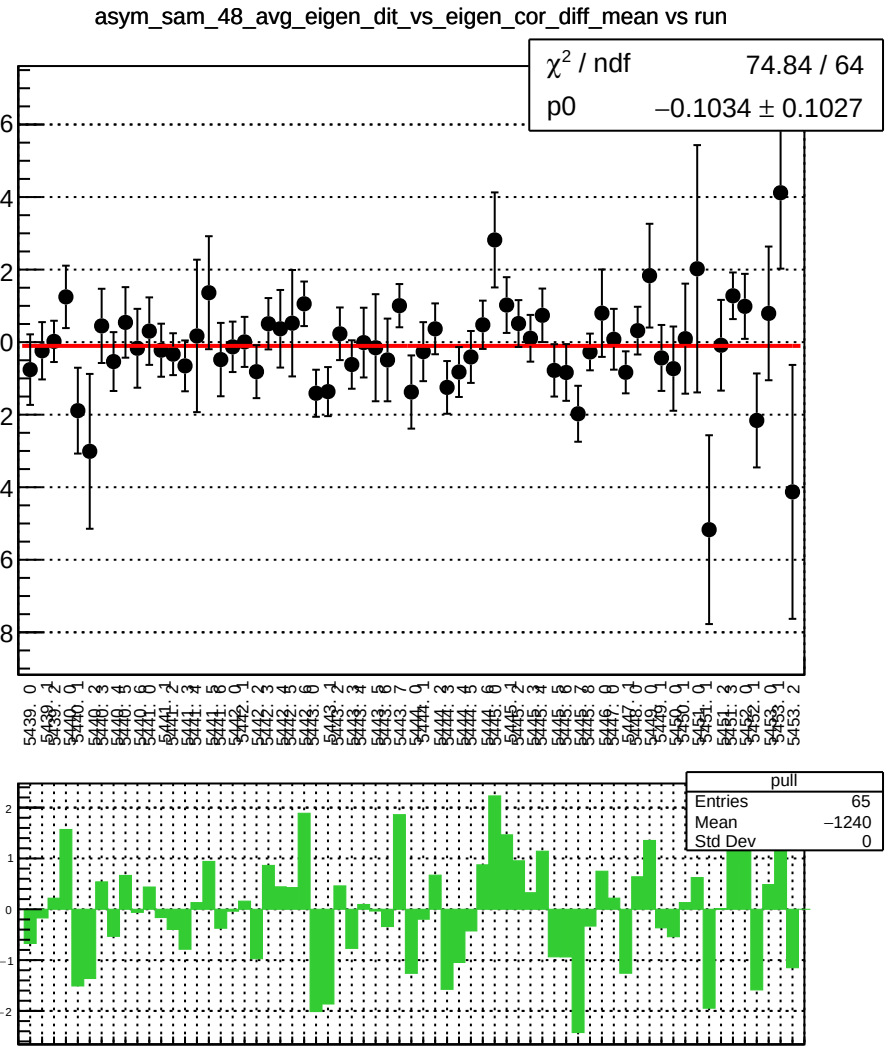

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.95 / 64
p0 1.575e−06 ± 3.924e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 65
Mean 897.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 65
Mean −0.001783
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

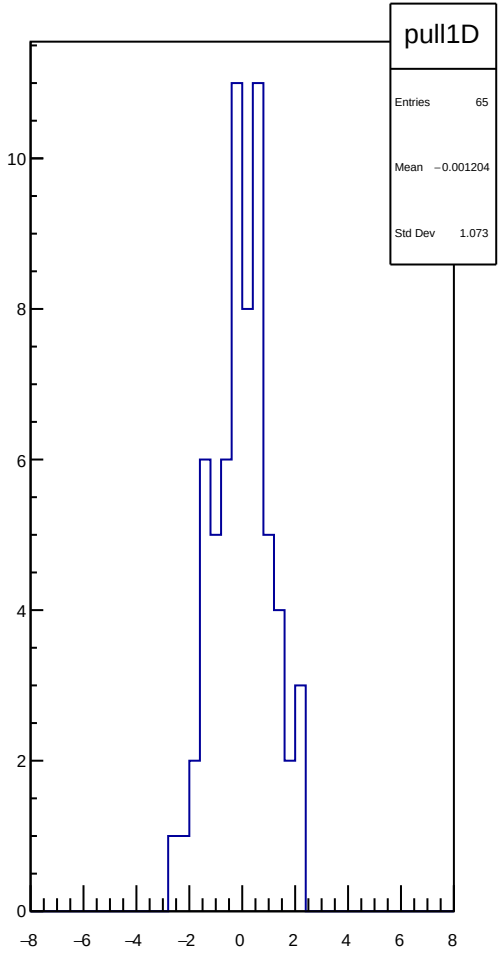

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.246e+05 / 64
p0 0.002898 ± 2.775e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001

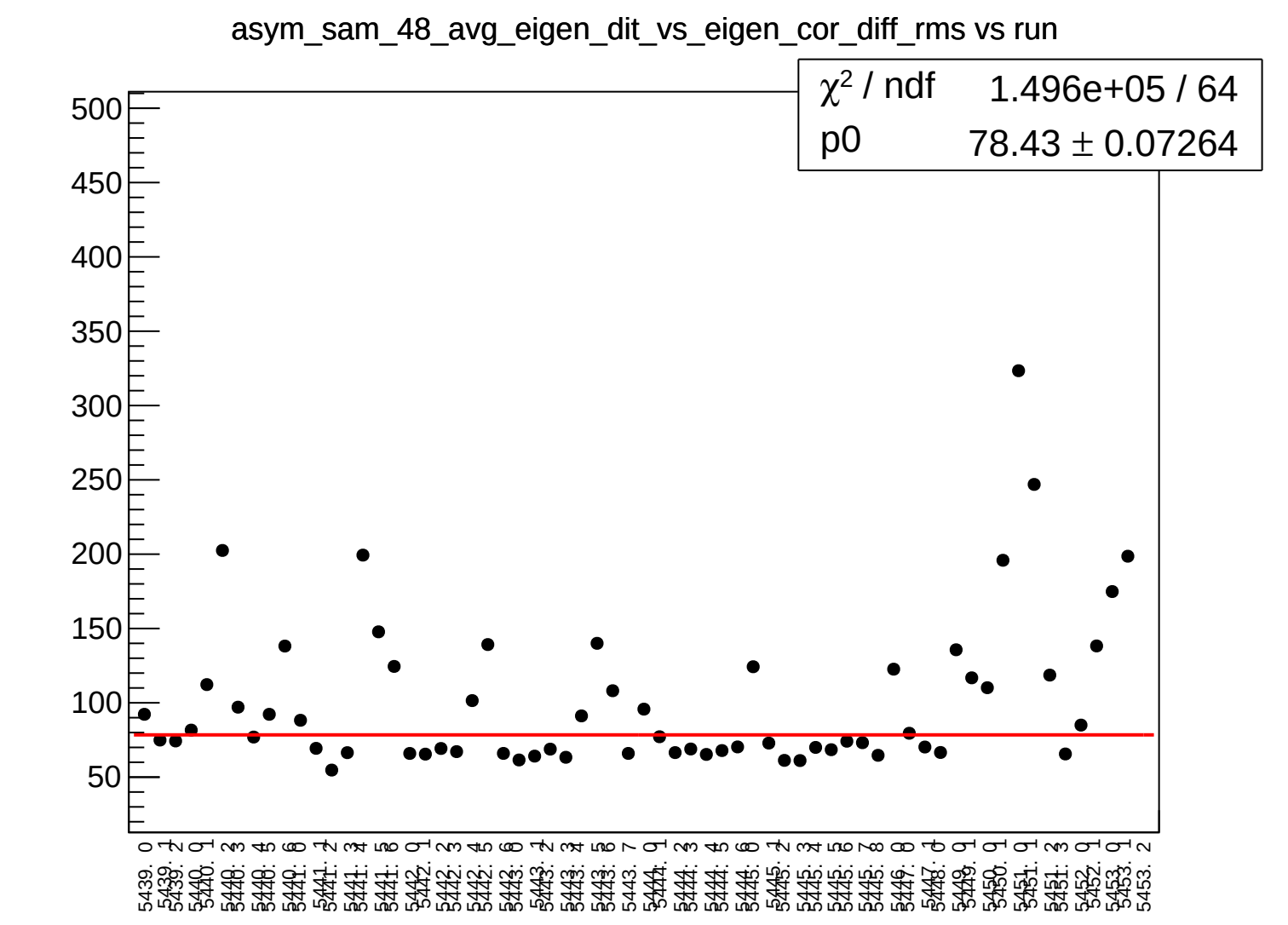

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.84 / 64
p0 −0.1034 ± 0.1027
pull
Entries 65
Mean −1240
Std Dev 0

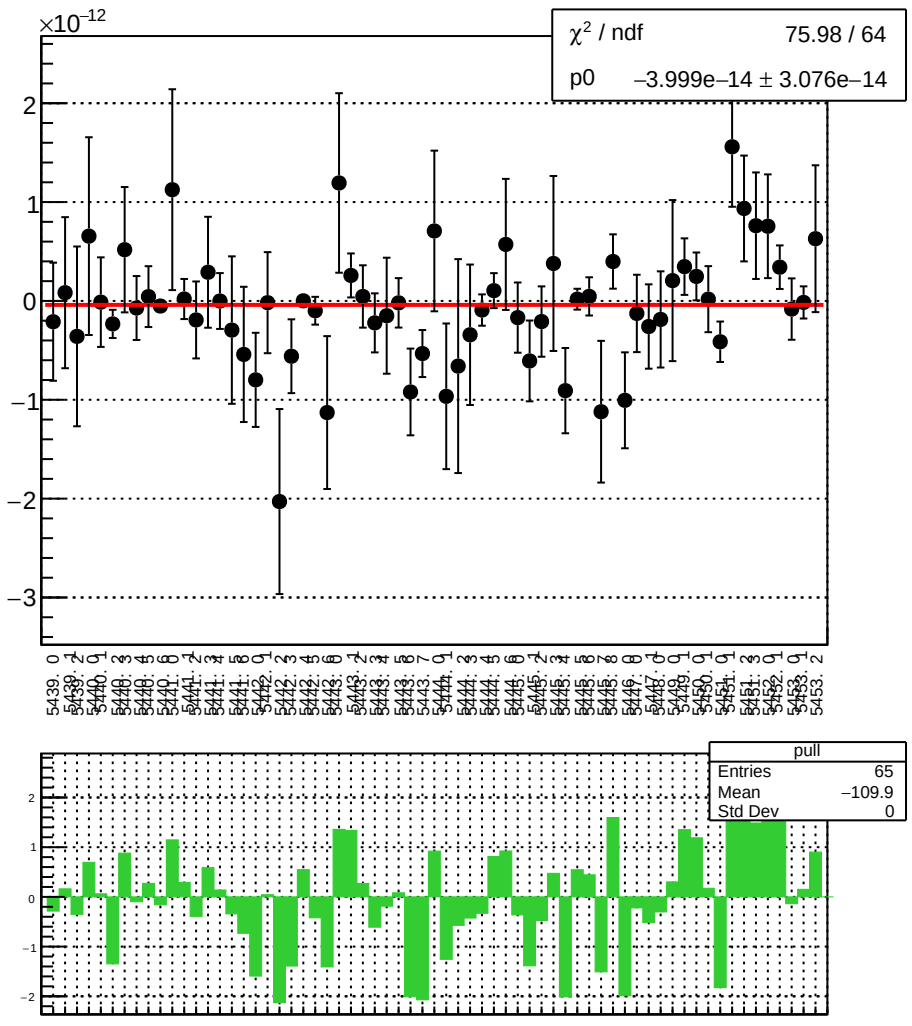

pull1D
Entries 65
Mean −0.001204
Std Dev 1.073

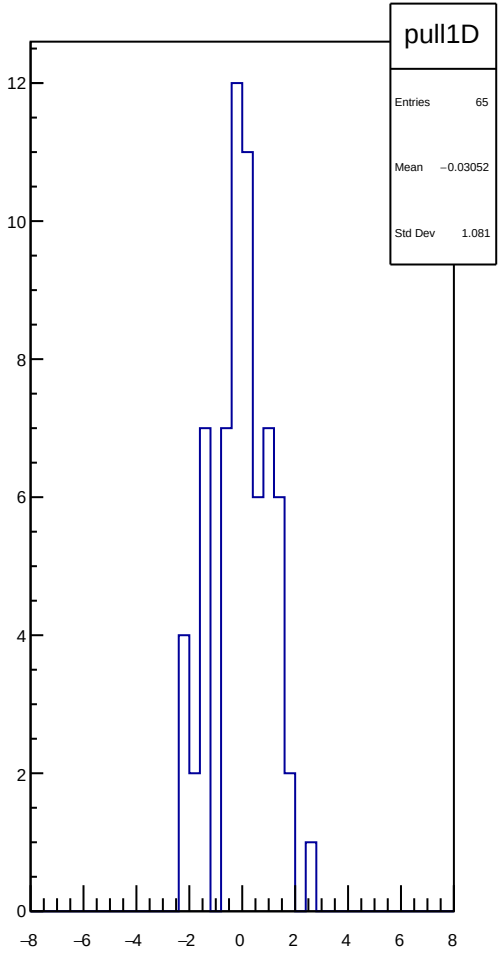

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.496e+05 / 64
p0 78.43 ± 0.07264
500
450
400
350
300
250
200
150
100
50

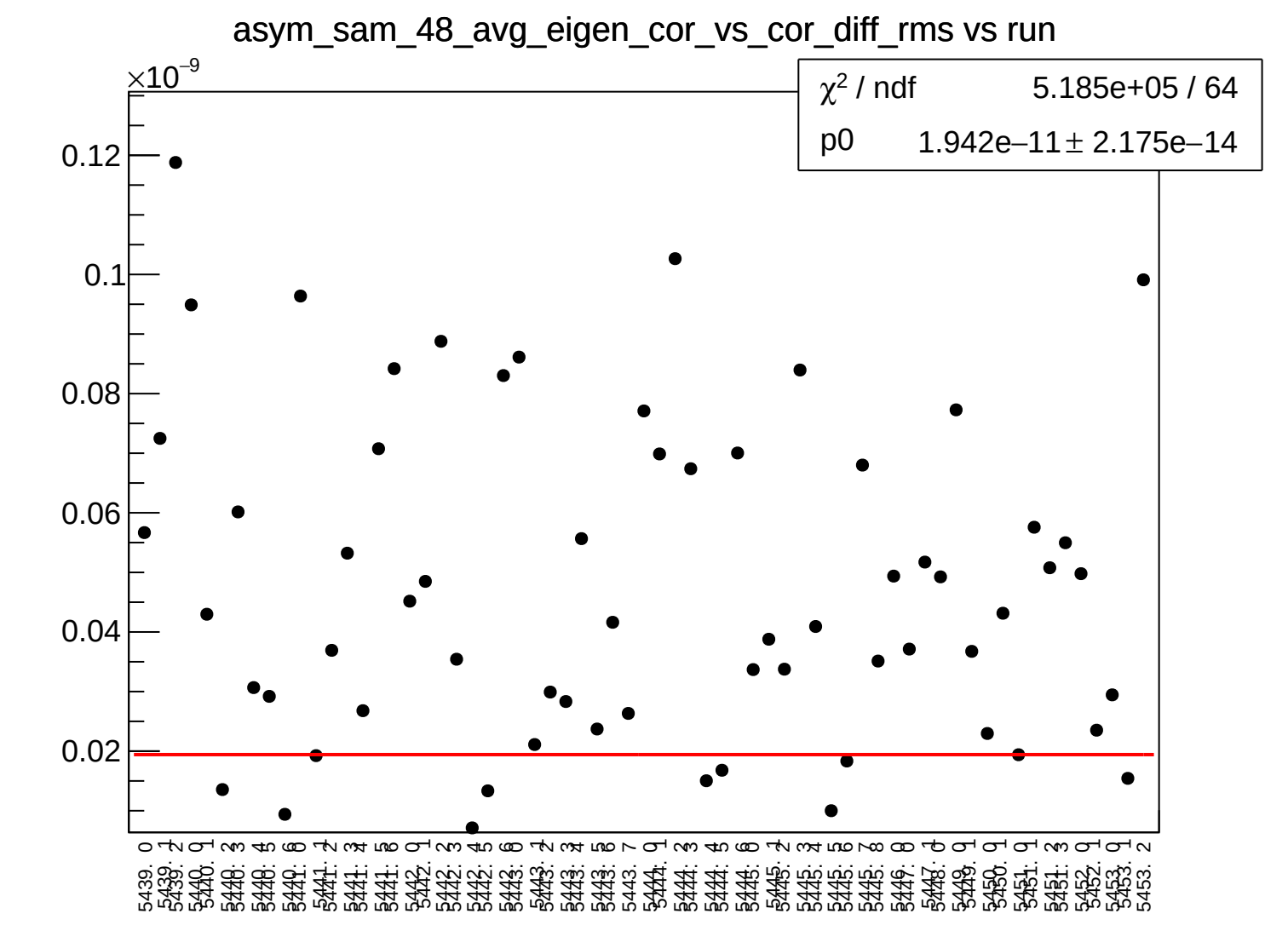

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.84 / 64
p0 −0.1034 ± 0.1027
pull
Entries 65
Mean −1240
Std Dev 0

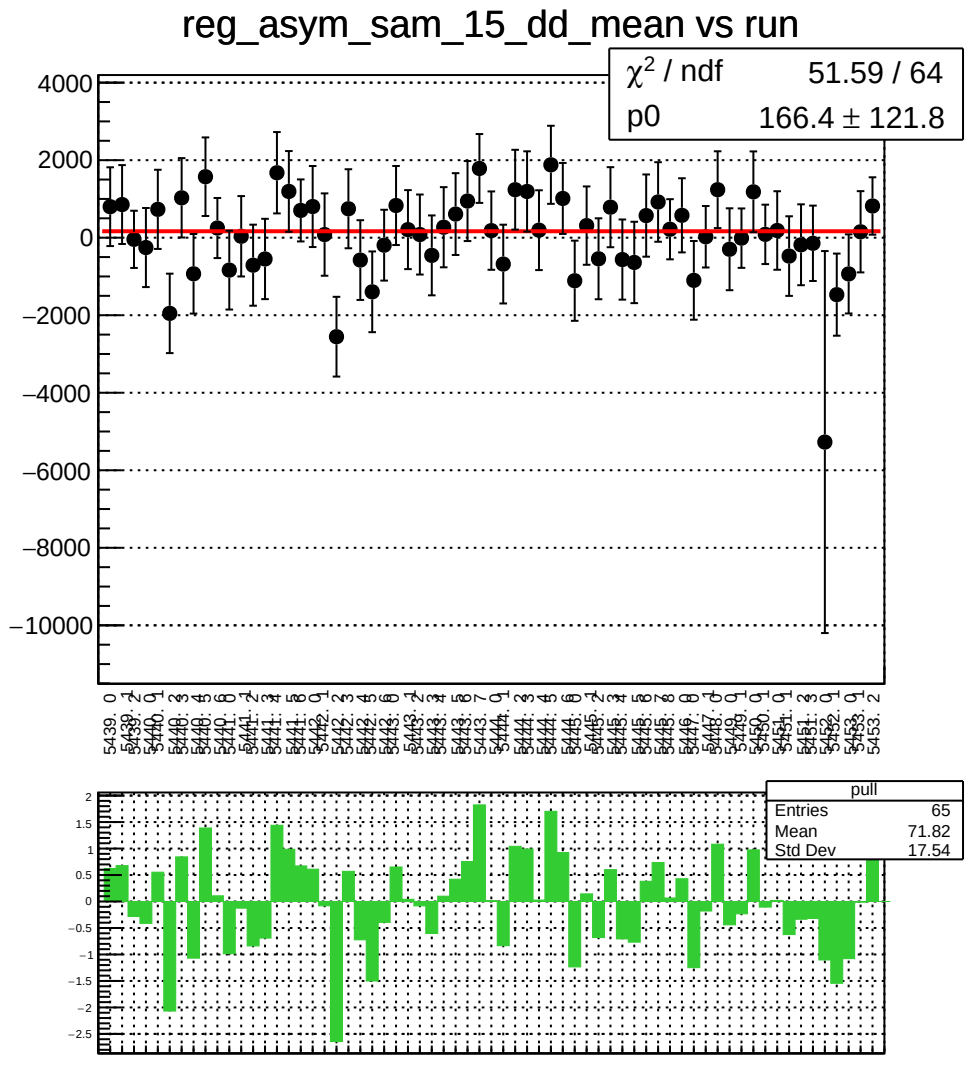

pull1D
Entries 65
Mean −0.001204
Std Dev 1.073

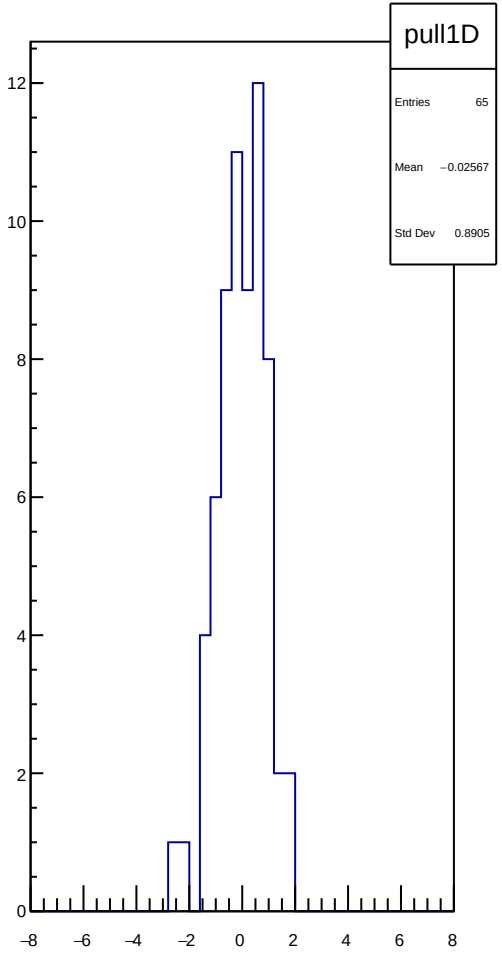

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.496e+05 / 64
p0 78.43 ± 0.07264
500
450
400
350
300
250
200
150
100
50

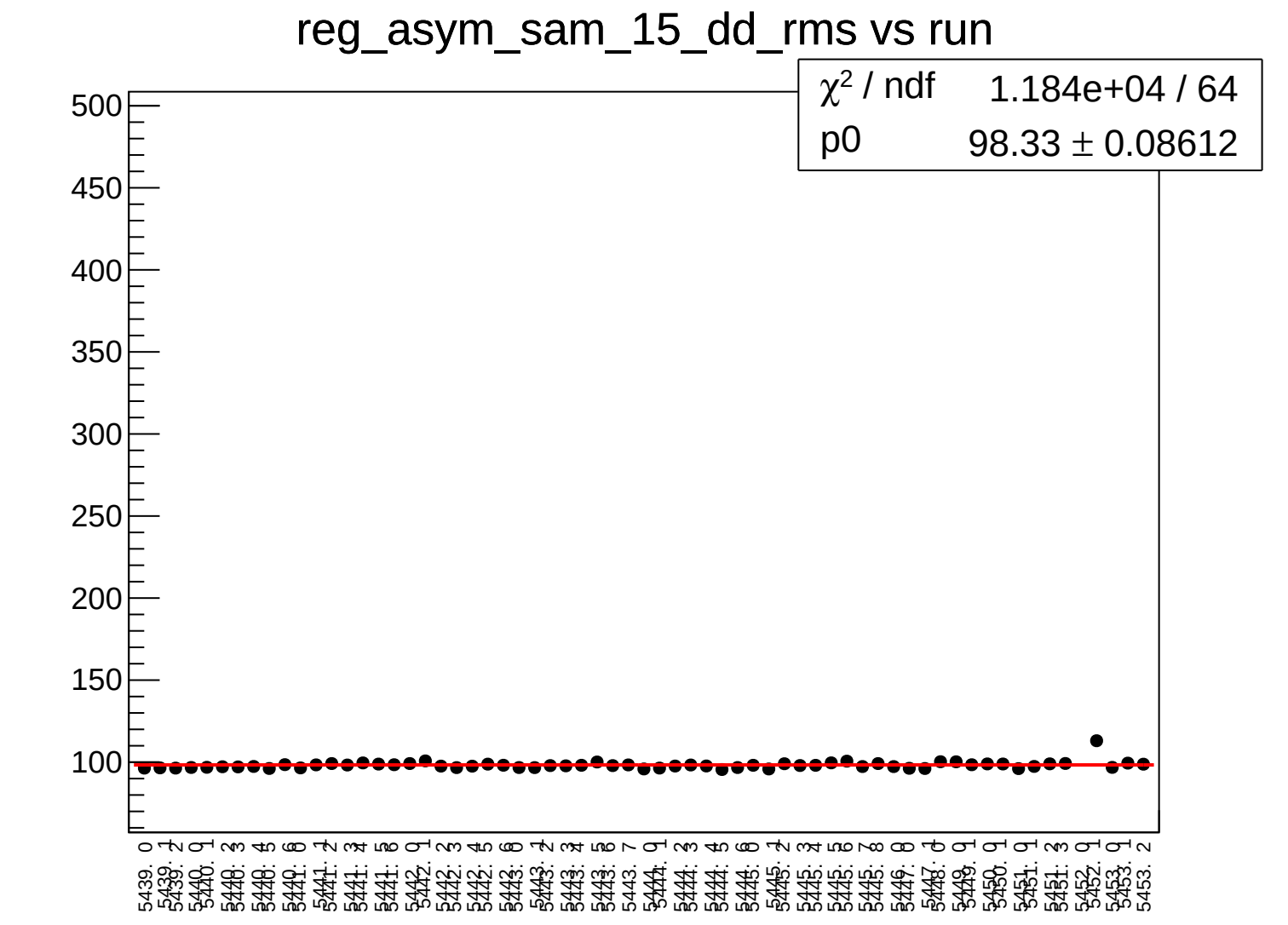

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.98 / 64
p0 −3.999e−14 ± 3.076e−14
pull
Entries 65
Mean −109.9
Std Dev 0

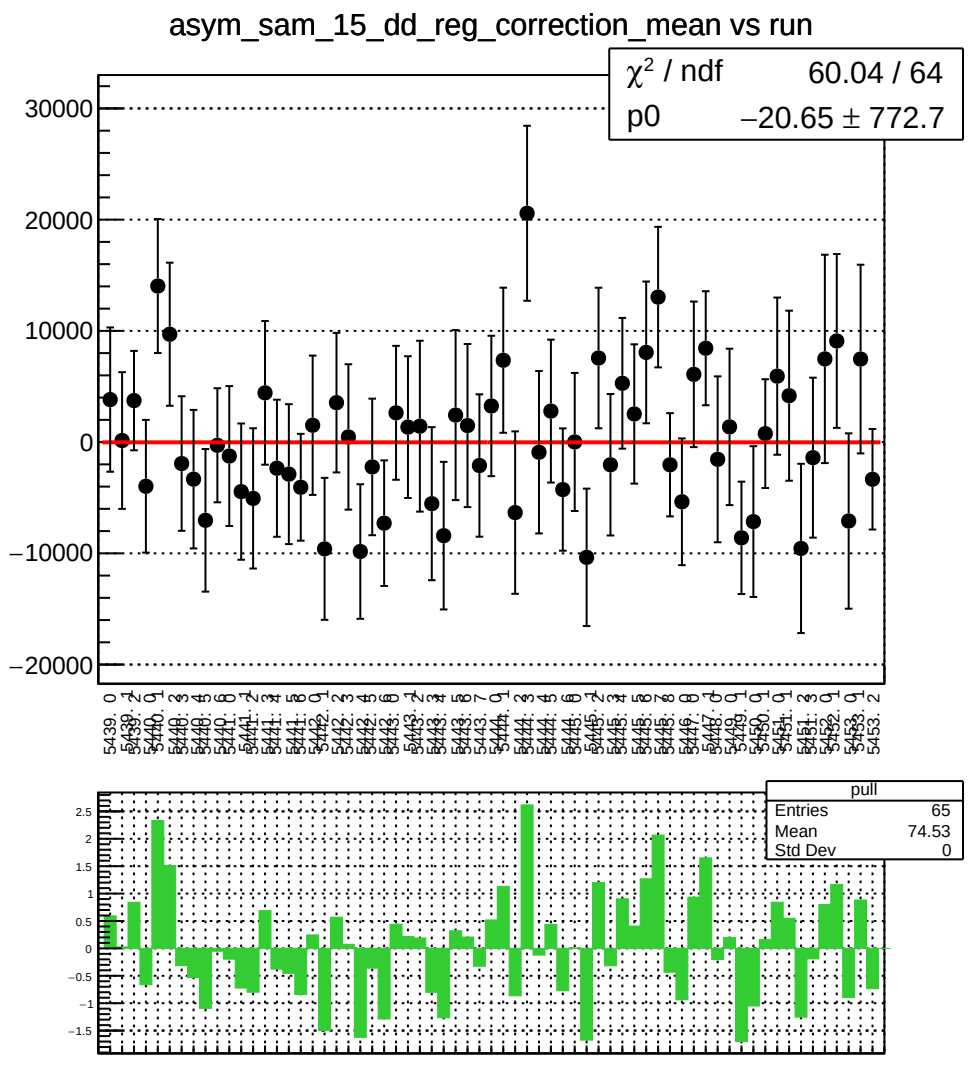

pull1D
Entries 65
Mean −0.03052
Std Dev 1.081

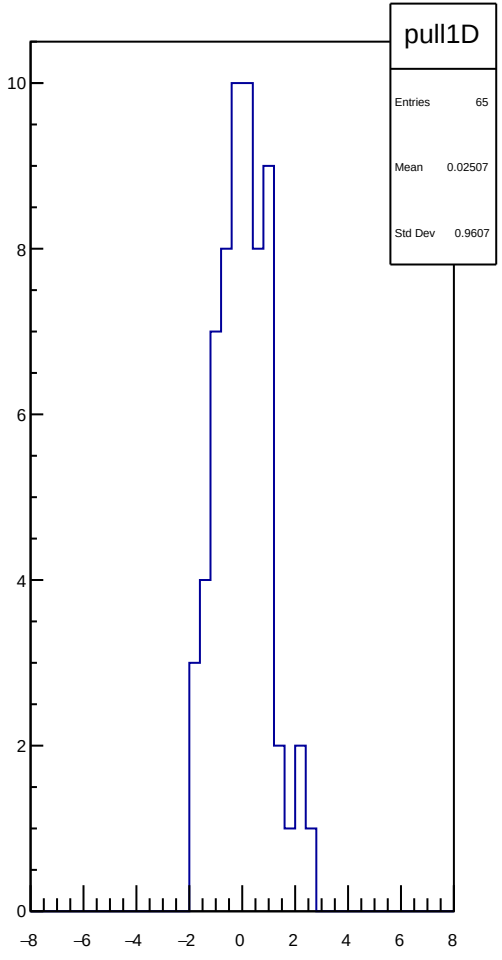

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.185e+05 / 64
p0 1.942e−11 ± 2.175e−14
0.12
0.1
0.08
0.06
0.04
0.02

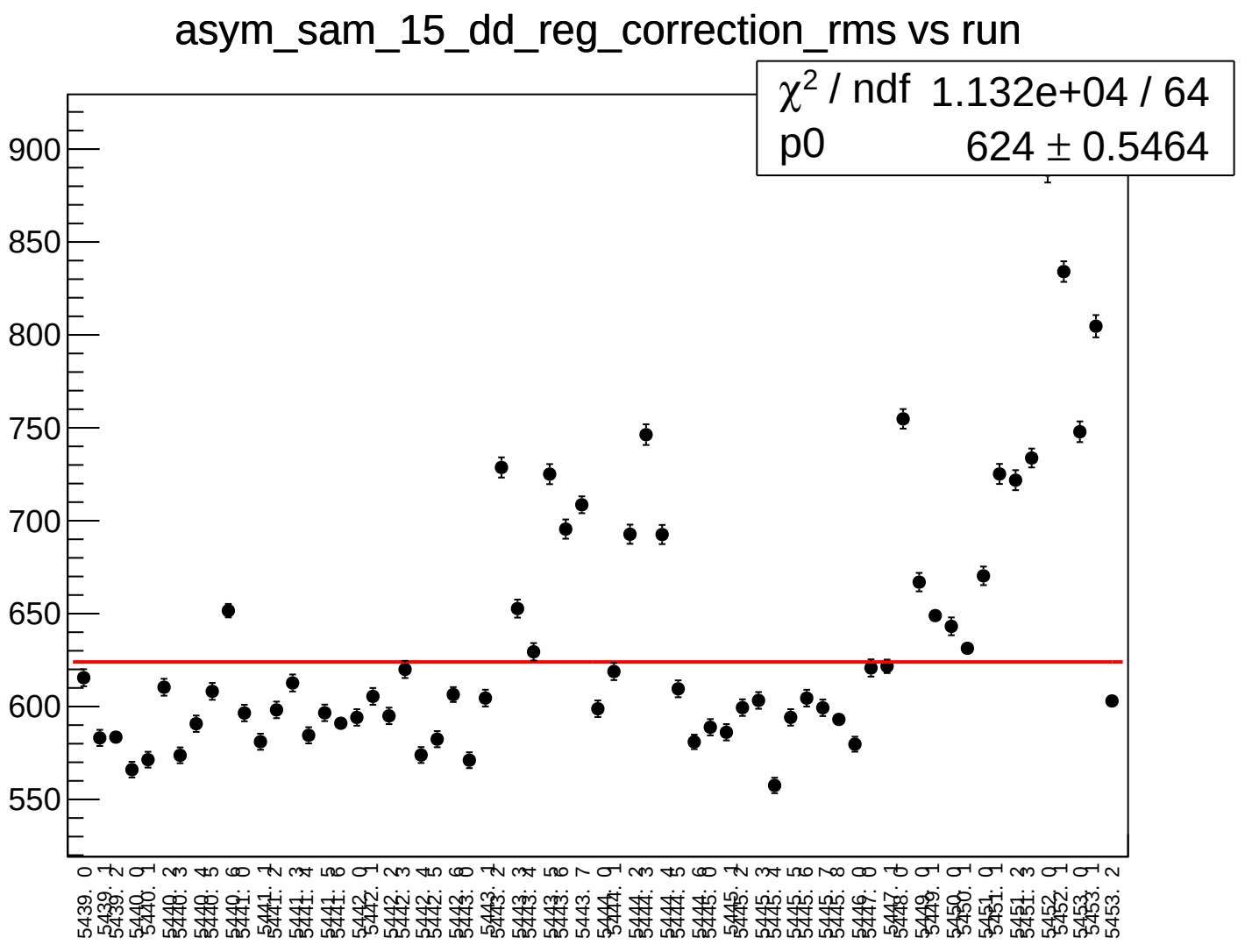

reg_asym_sam_15_dd_mean vs run
χ² / ndf 51.59 / 64
p0 166.4 ± 121.8
pull
Entries 65
Mean 71.82
Std Dev 17.54

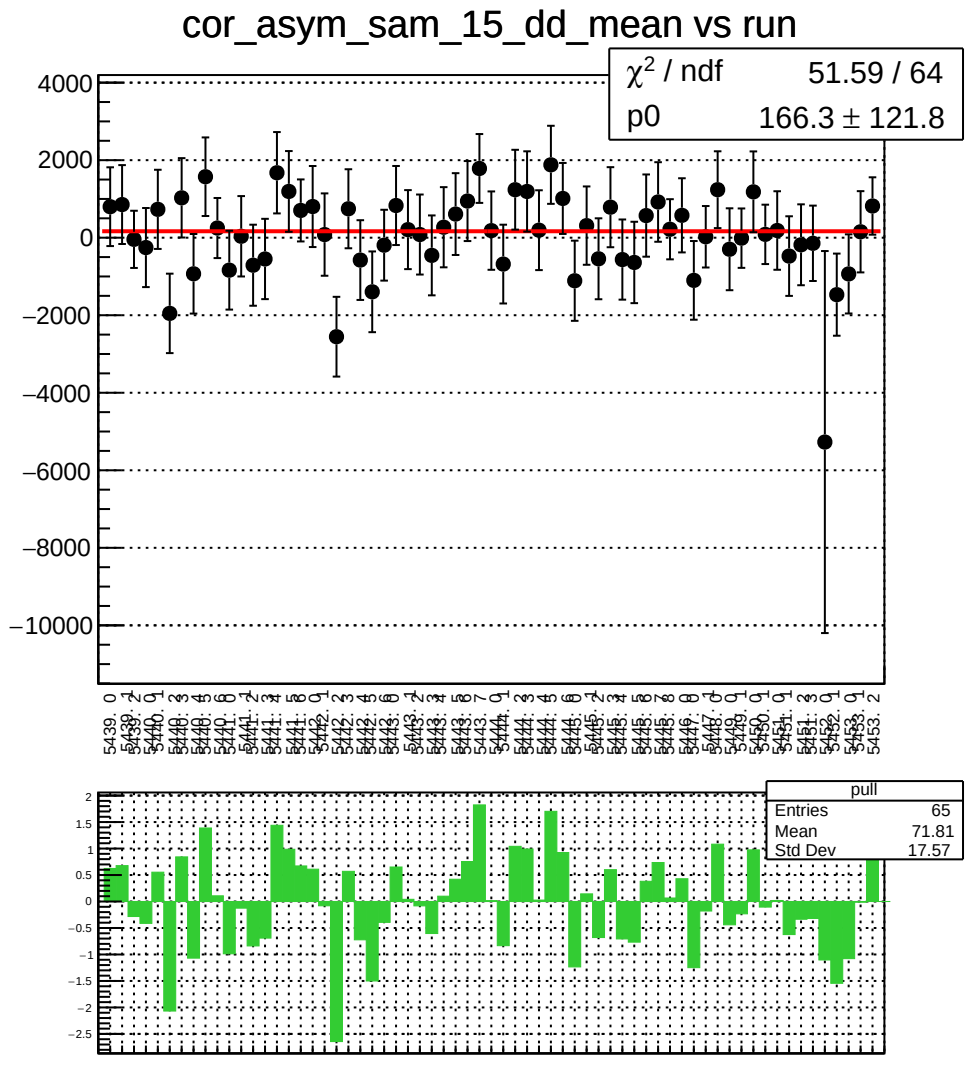

pull1D
Entries 65
Mean −0.02567
Std Dev 0.8905

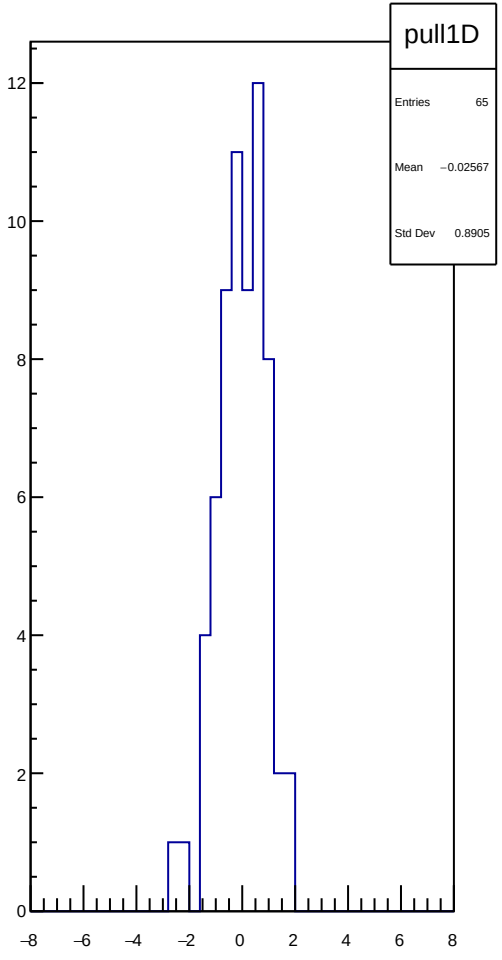

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1.184e+04 / 64
p0 98.33 ± 0.08612
500
450
400
350
300
250
200
150
100

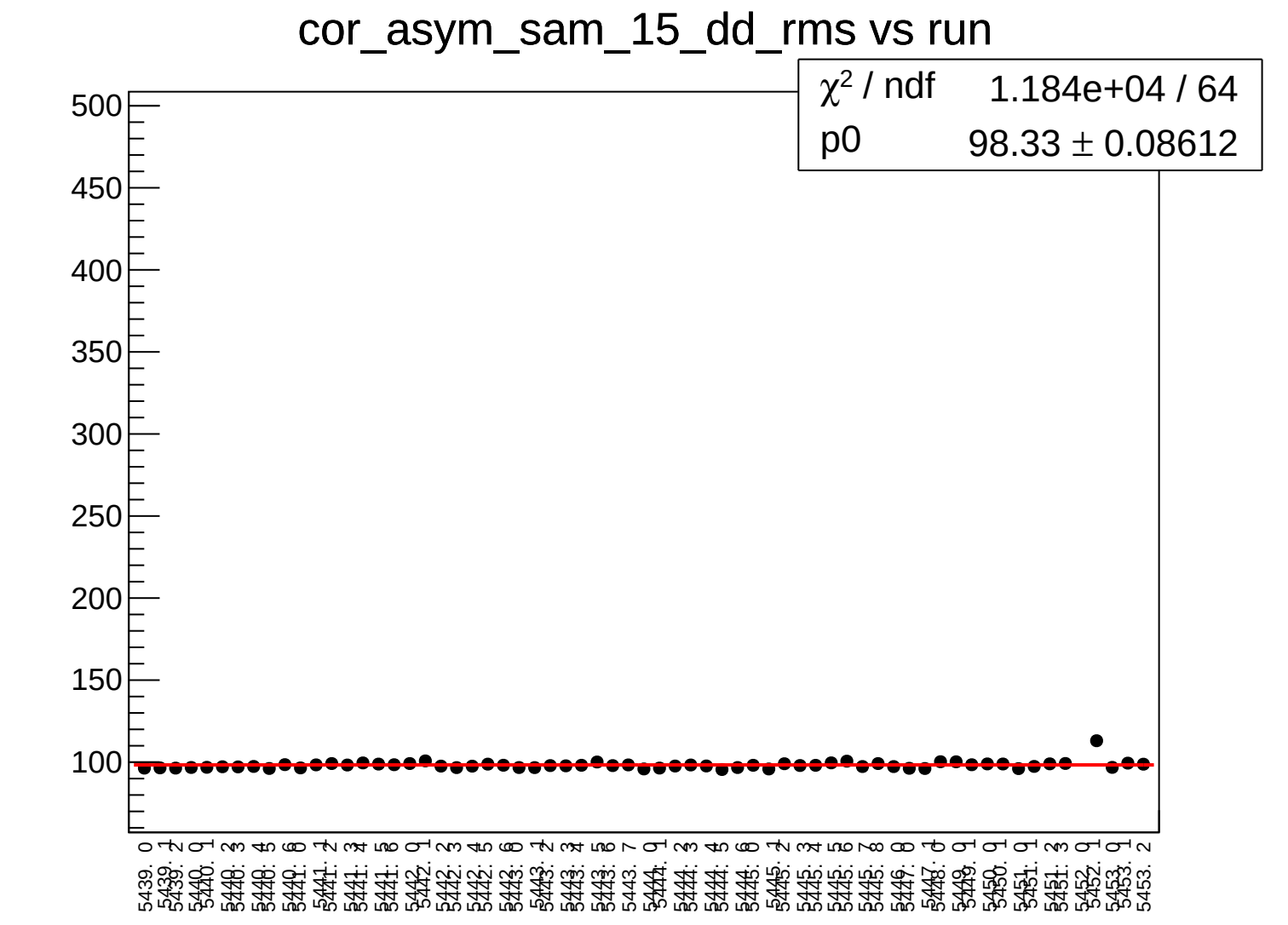

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 60.04 / 64
p0 −20.65 ± 772.7
pull
Entries 65
Mean 74.53
Std Dev 0

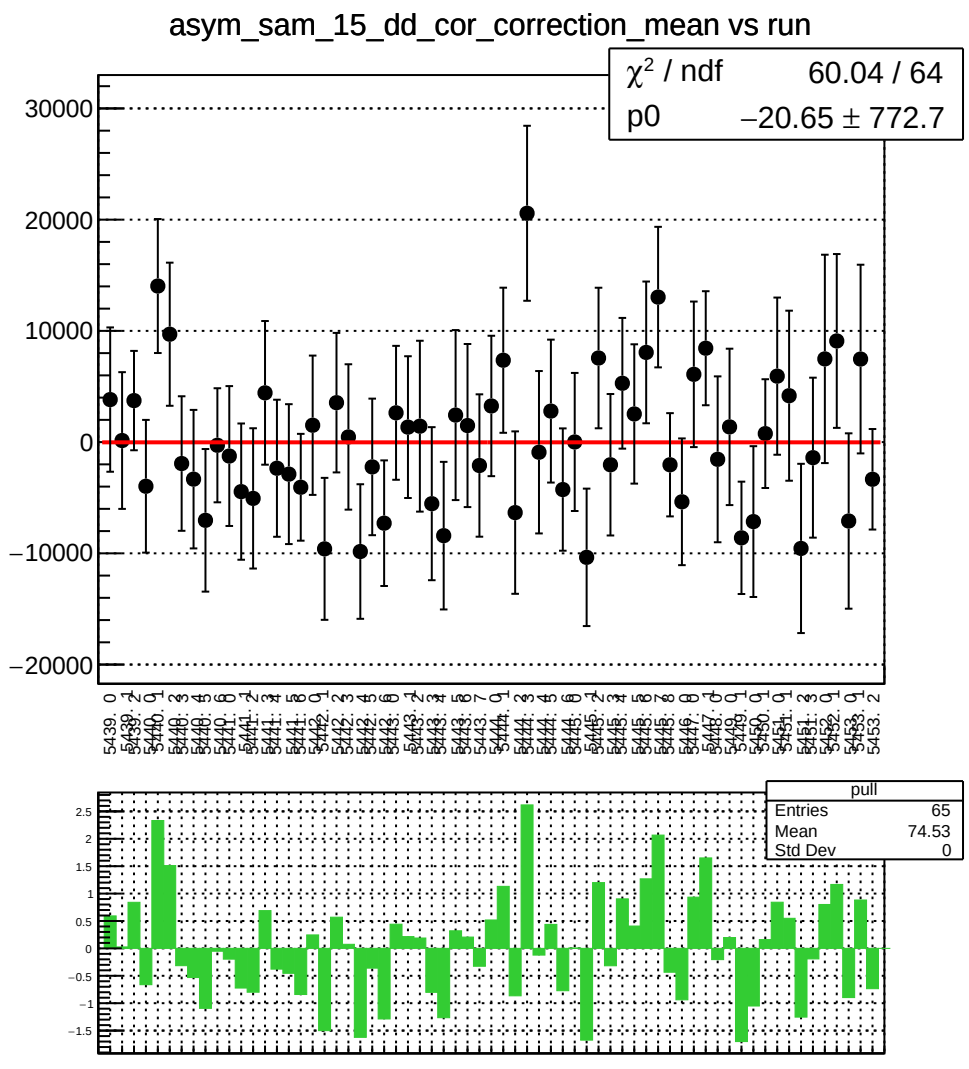

pull1D
Entries 65
Mean 0.02507
Std Dev 0.9607

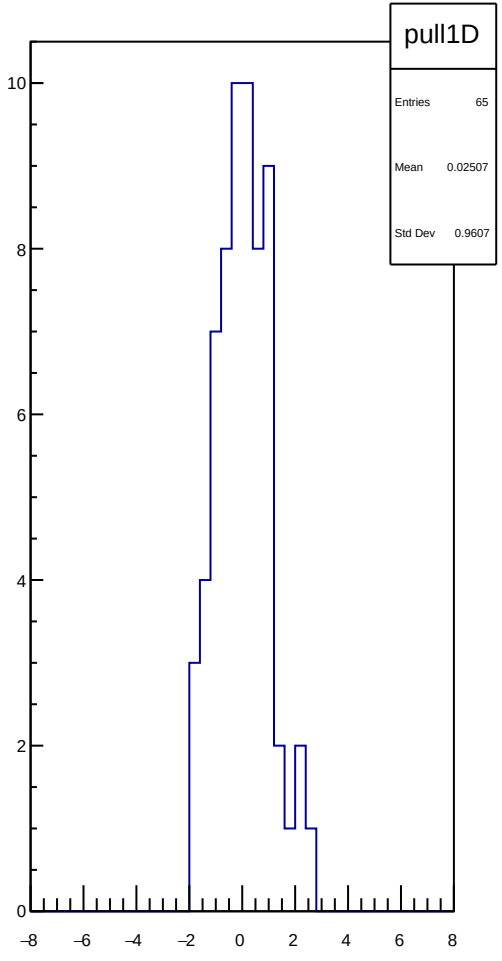

asym_sam_15_dd_reg_correction_rms vs run
χ^2 / ndf 1.132e+04 / 64
p0 624 ± 0.5464
900
850
800
750
700
650
600
550

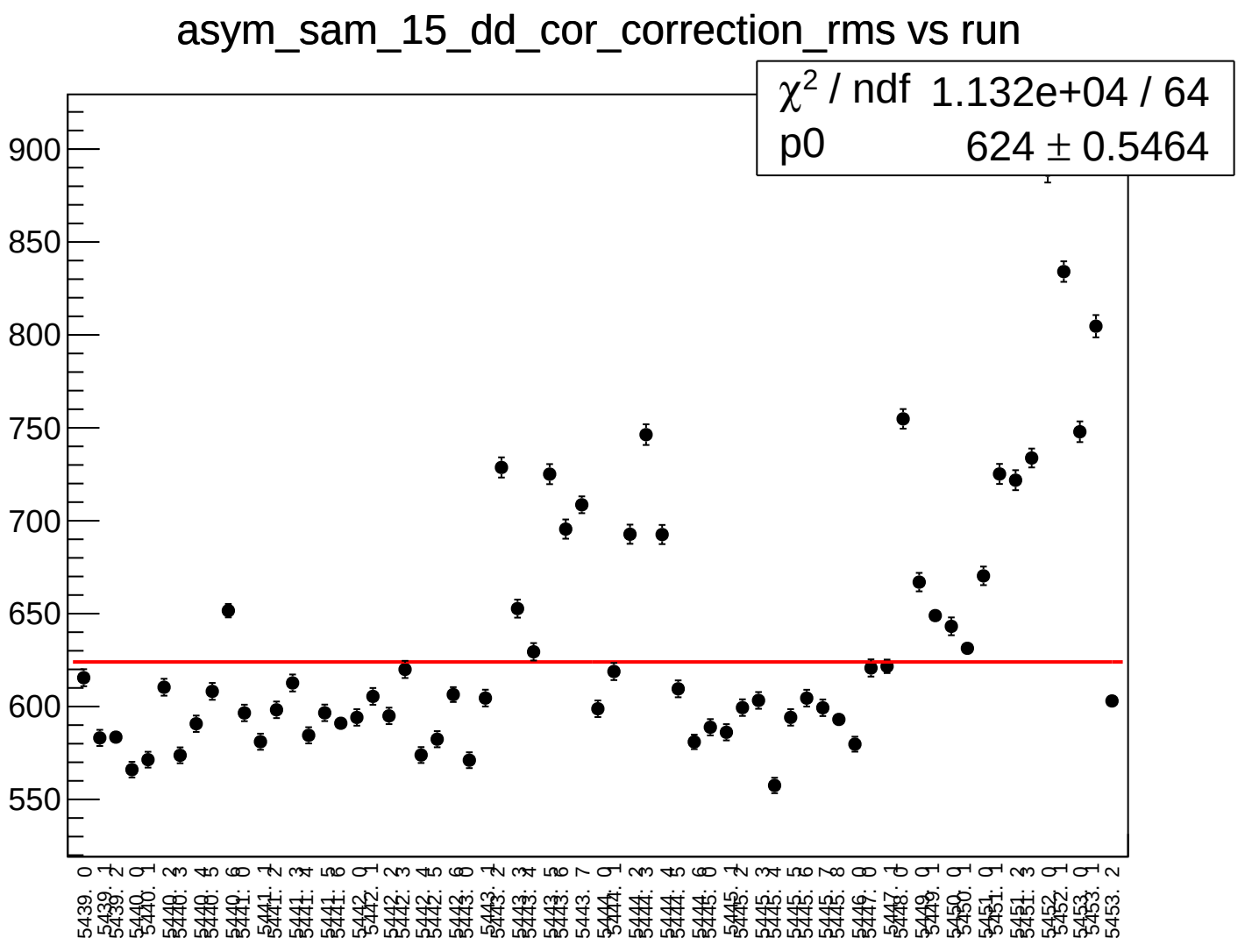

cor_asym_sam_15_dd_mean vs run
χ² / ndf 51.59 / 64
p0 166.3 ± 121.8
pull
Entries 65
Mean 71.81
Std Dev 17.57

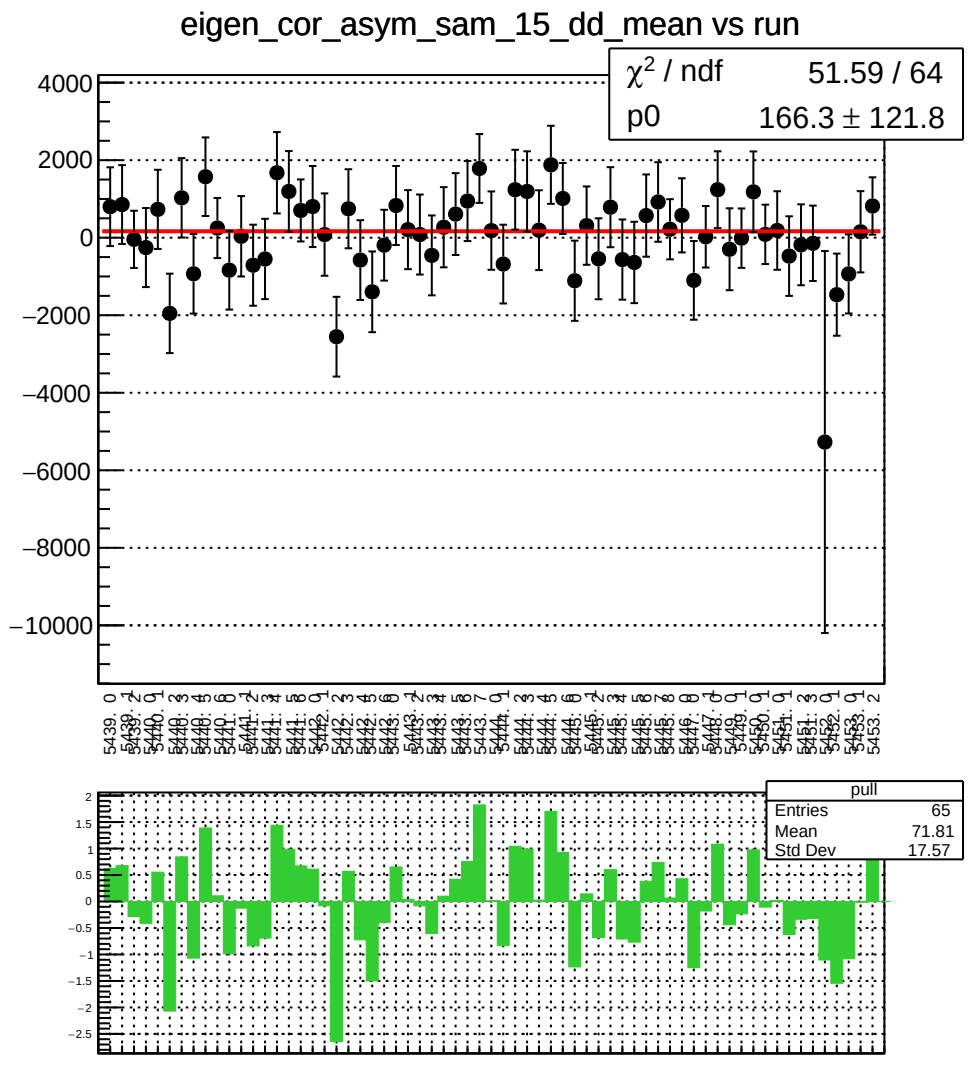

pull1D
Entries 65
Mean −0.02567
Std Dev 0.8905

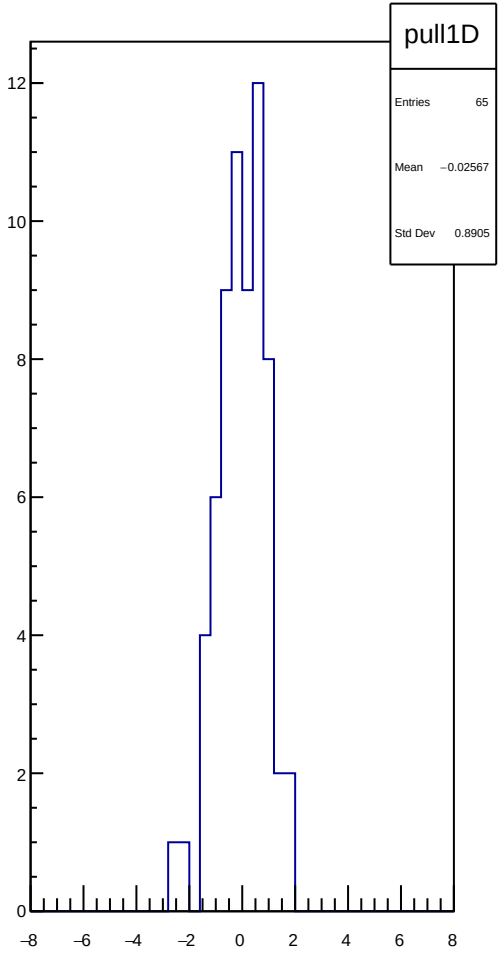

cor_asym_sam_15_dd_rms vs run
χ² / ndf 1.184e+04 / 64
p0 98.33 ± 0.08612
500
450
400
350
300
250
200
150
100

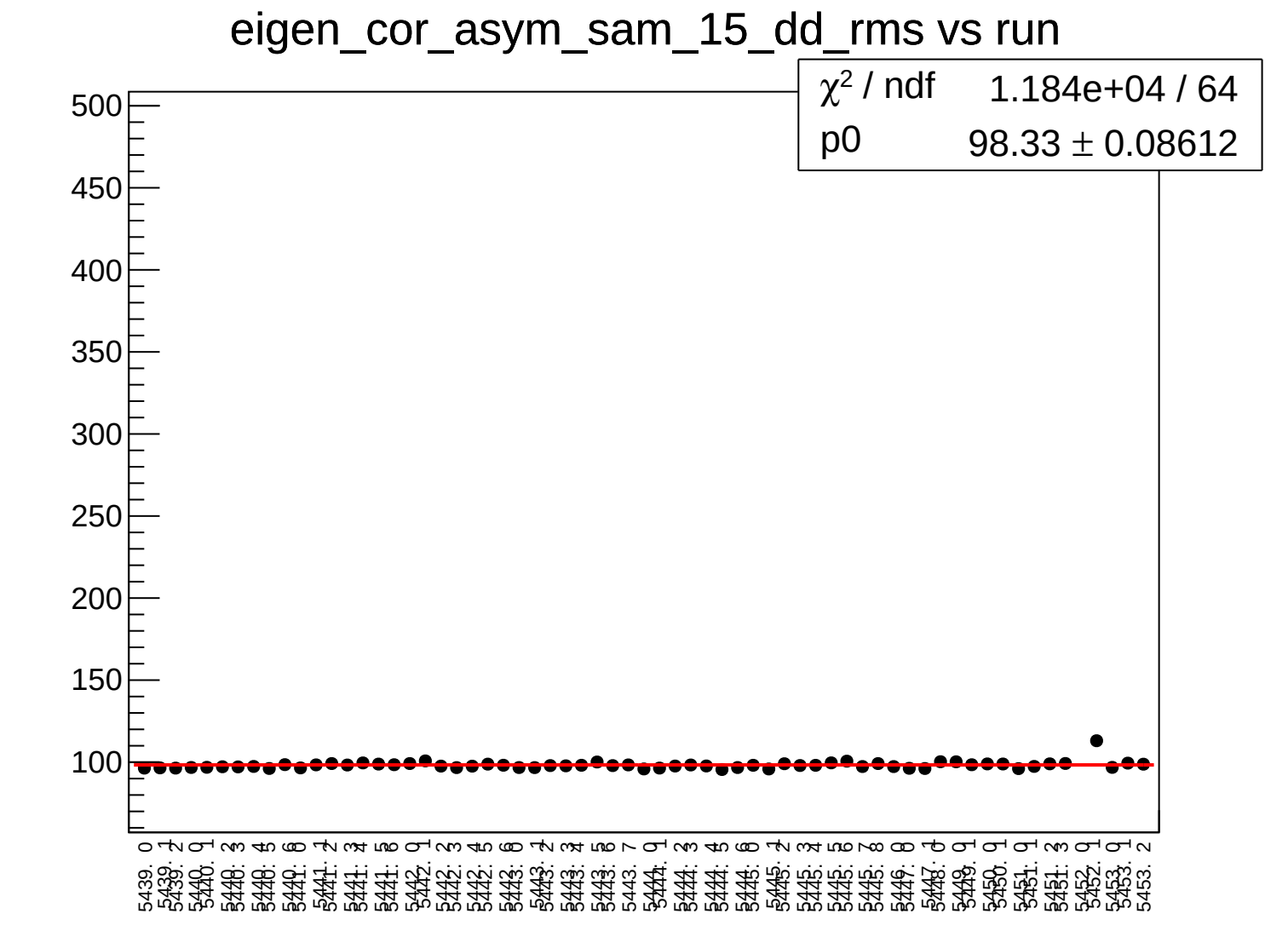

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 60.04 / 64
p0 −20.65 ± 772.7
pull
Entries 65
Mean 74.53
Std Dev 0

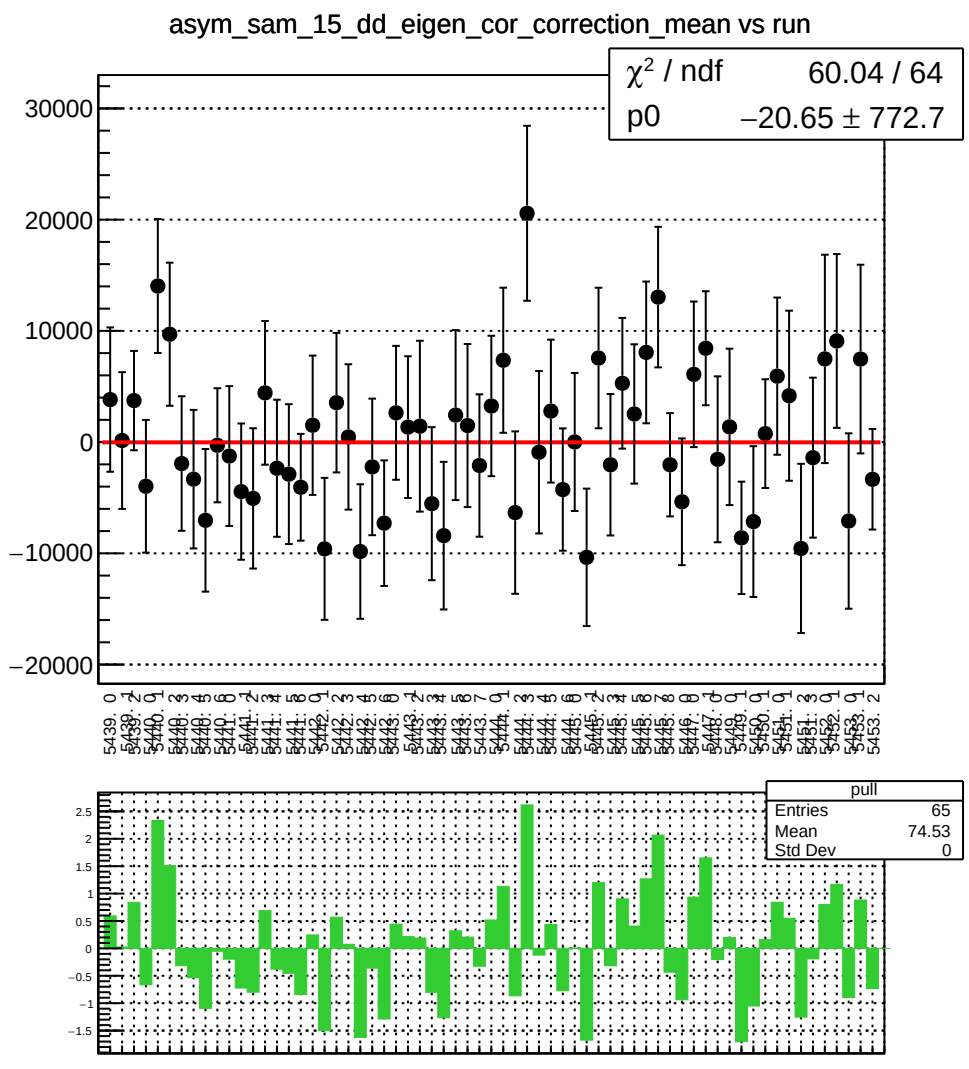

pull1D
Entries 65
Mean 0.02507
Std Dev 0.9607

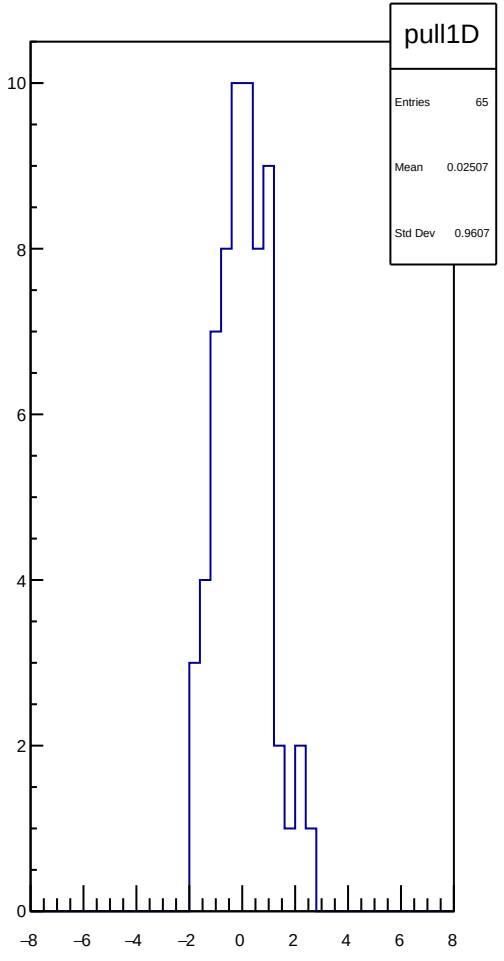

asym_sam_15_dd_cor_correction_rms vs run
χ^2 / ndf 1.132e+04 / 64
p0 624 ± 0.5464
900
850
800
750
700
650
600
550

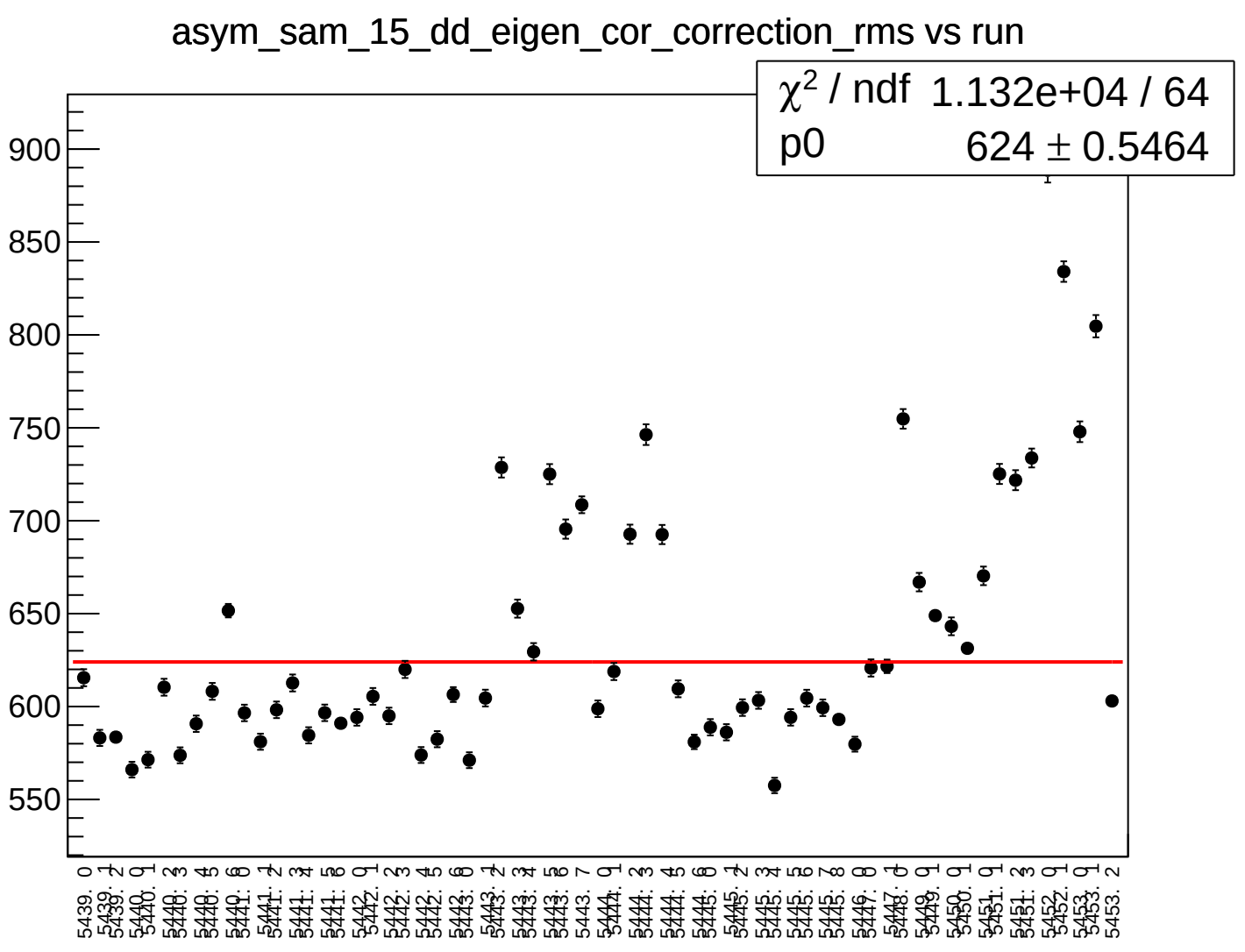

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 51.59 / 64
p0 166.3 ± 121.8
pull
Entries 65
Mean 71.81
Std Dev 17.57

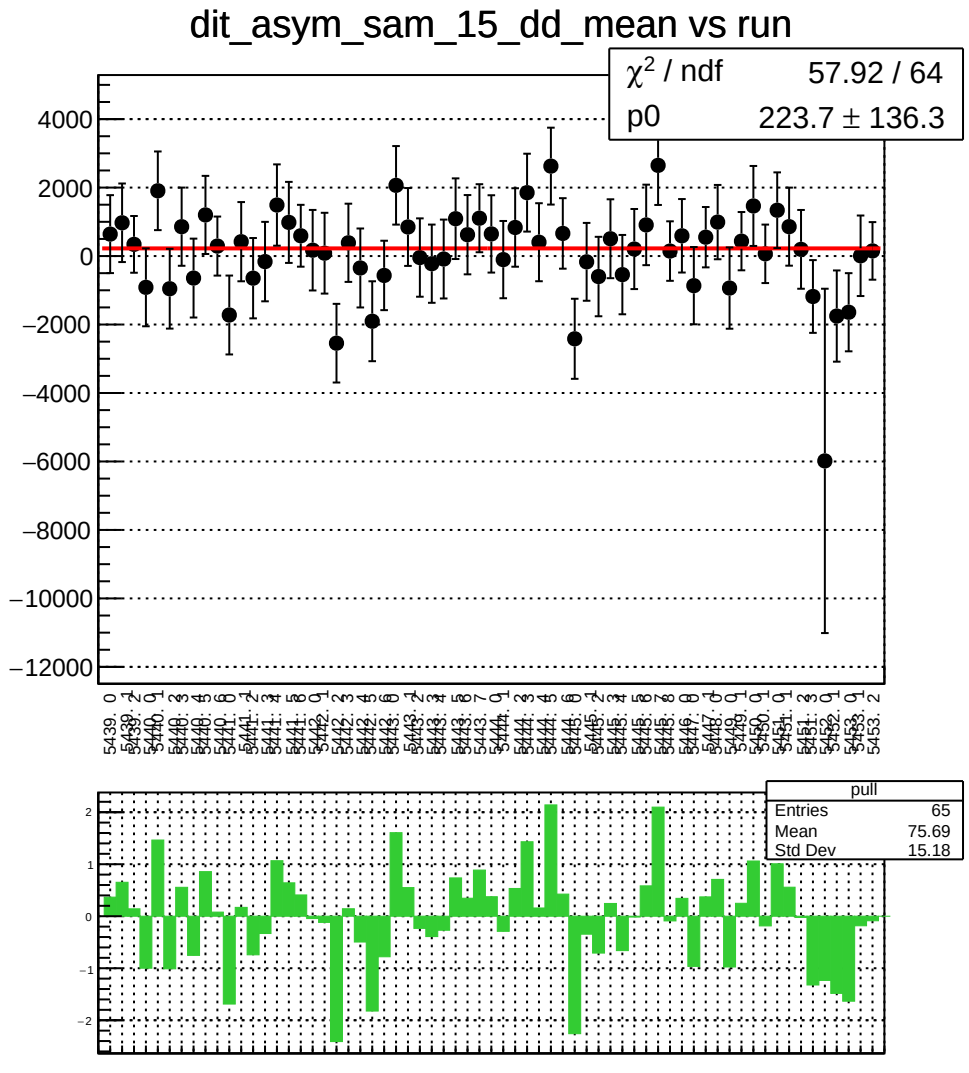

pull1D
Entries 65
Mean −0.02567
Std Dev 0.8905

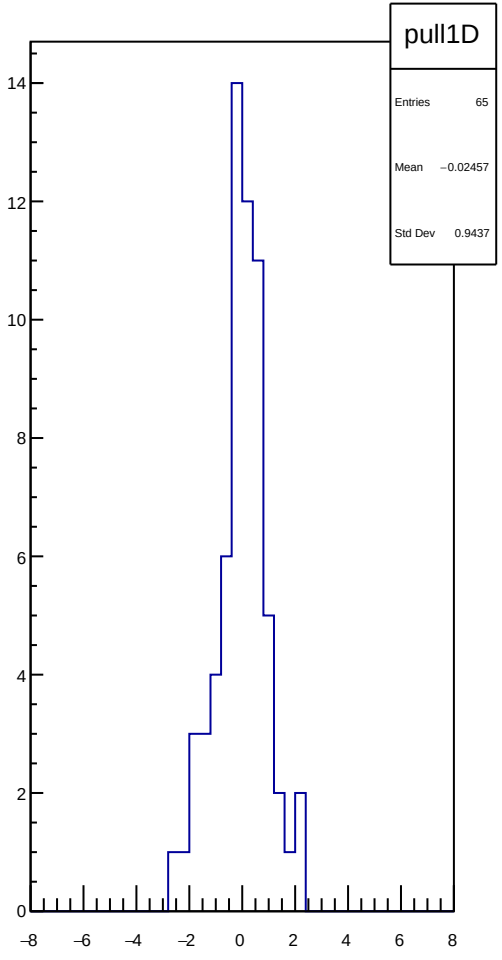

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 1.184e+04 / 64
p0 98.33 ± 0.08612
500
450
400
350
300
250
200
150
100

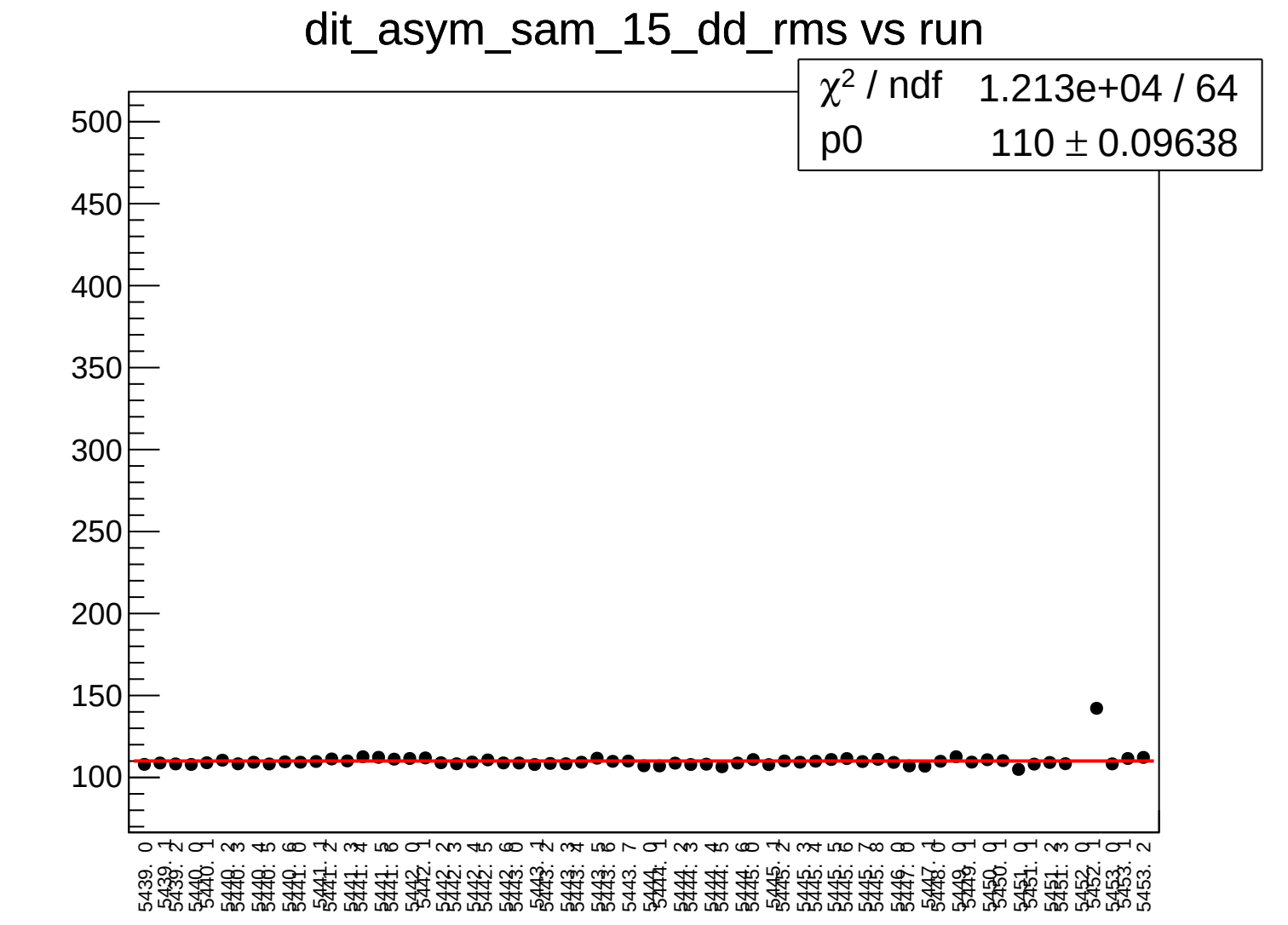

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.04 / 64
p0 −20.65 ± 772.7
30000
20000
10000
0
−10000
−20000
pull
Entries 65
Mean 74.53
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

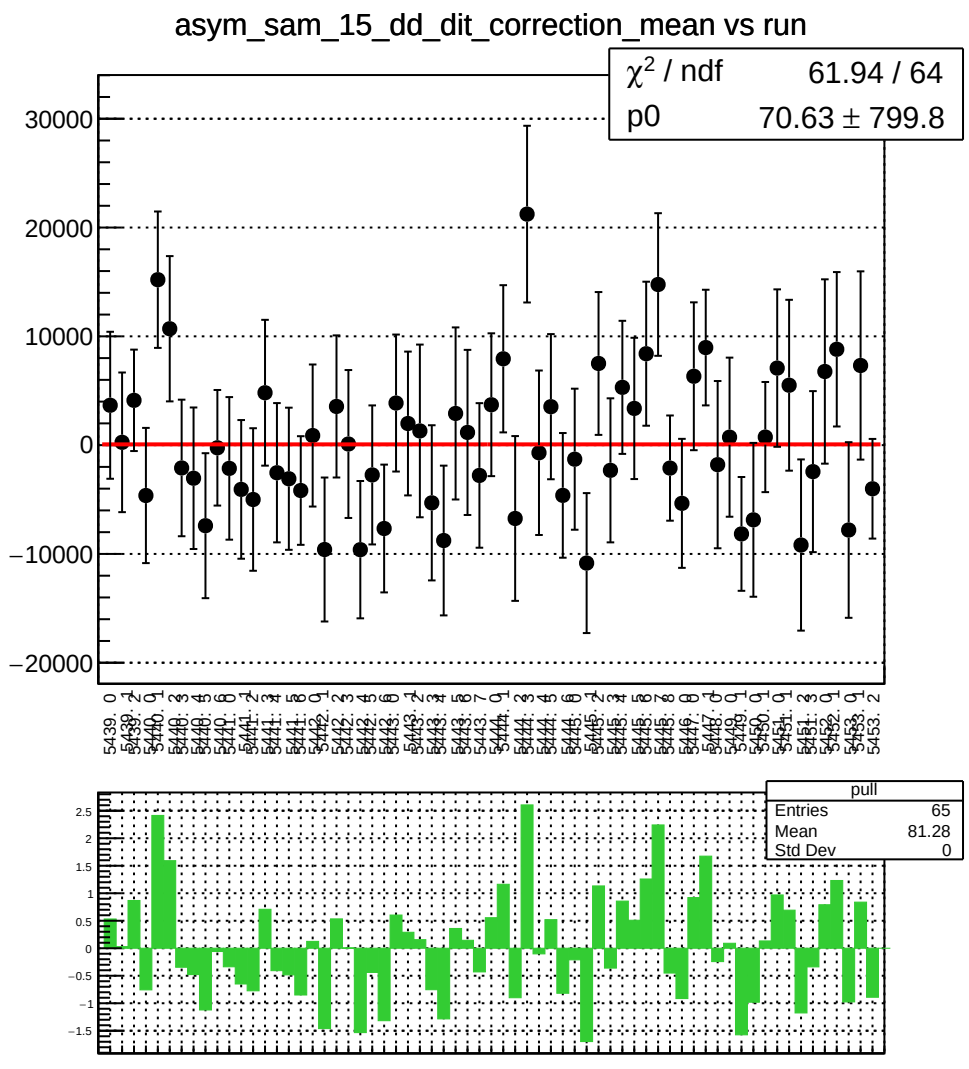

pull1D
Entries 65
Mean 0.02507
Std Dev 0.9607
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

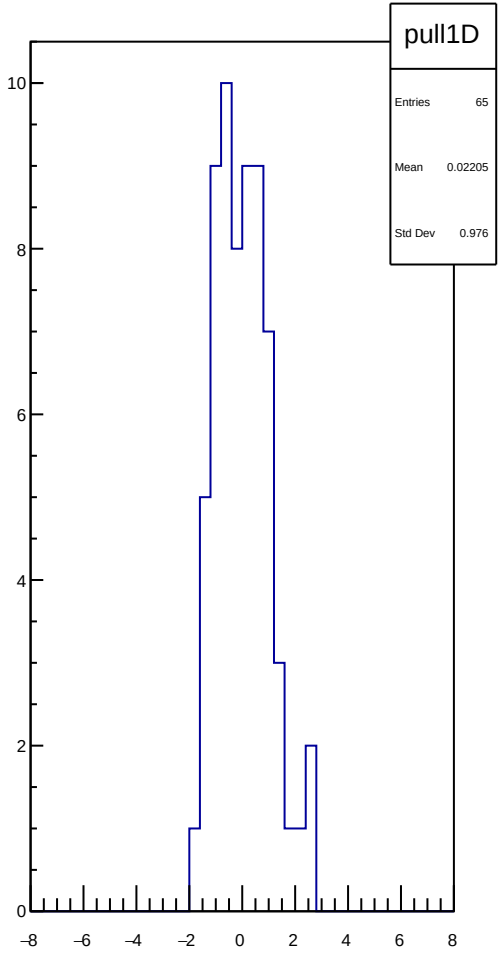

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.132e+04 / 64
p0 624 ± 0.5464
900
850
800
750
700
650
600
550

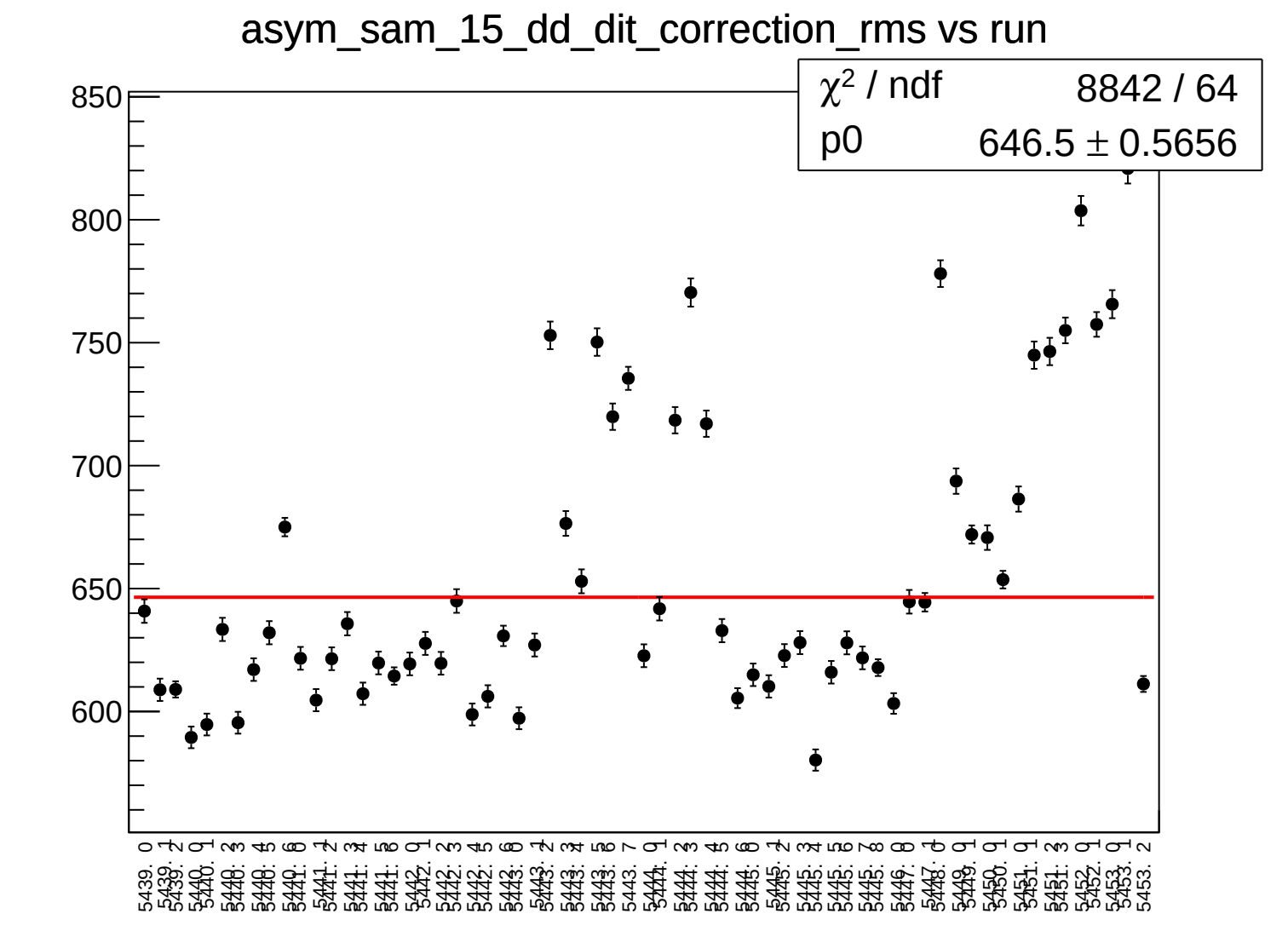

dit_asym_sam_15_dd_mean vs run
χ² / ndf 57.92 / 64
p0 223.7 ± 136.3
pull
Entries 65
Mean 75.69
Std Dev 15.18

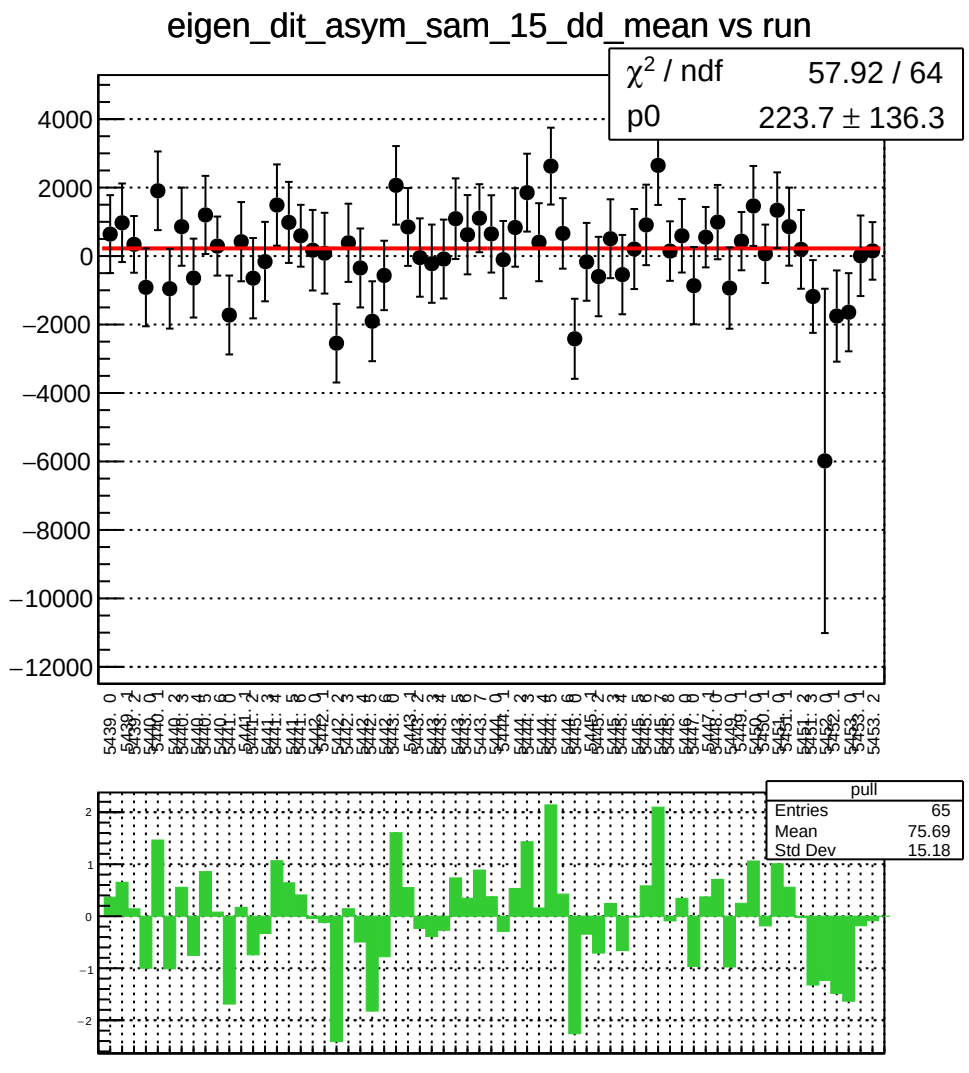

pull1D
Entries 65
Mean −0.02457
Std Dev 0.9437

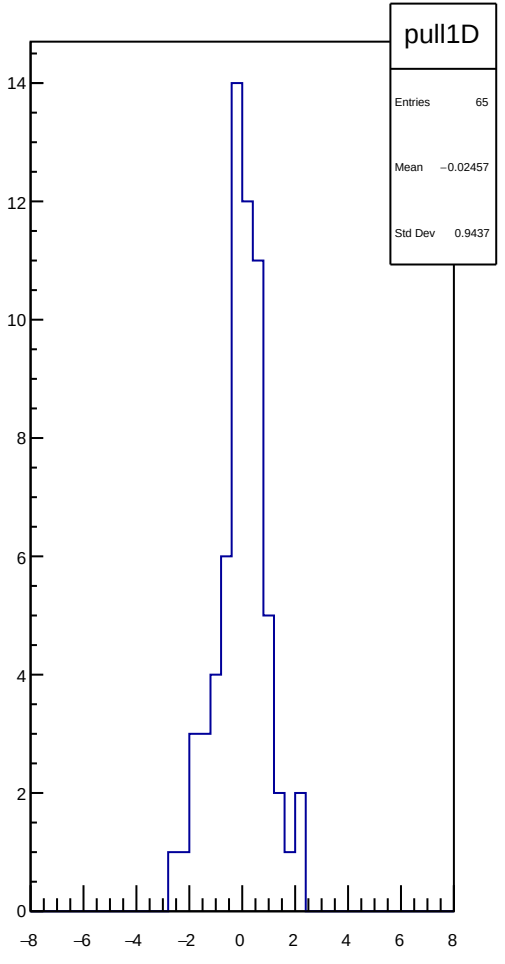

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1.213e+04 / 64
p0 110 ± 0.09638
500
450
400
350
300
250
200
150
100

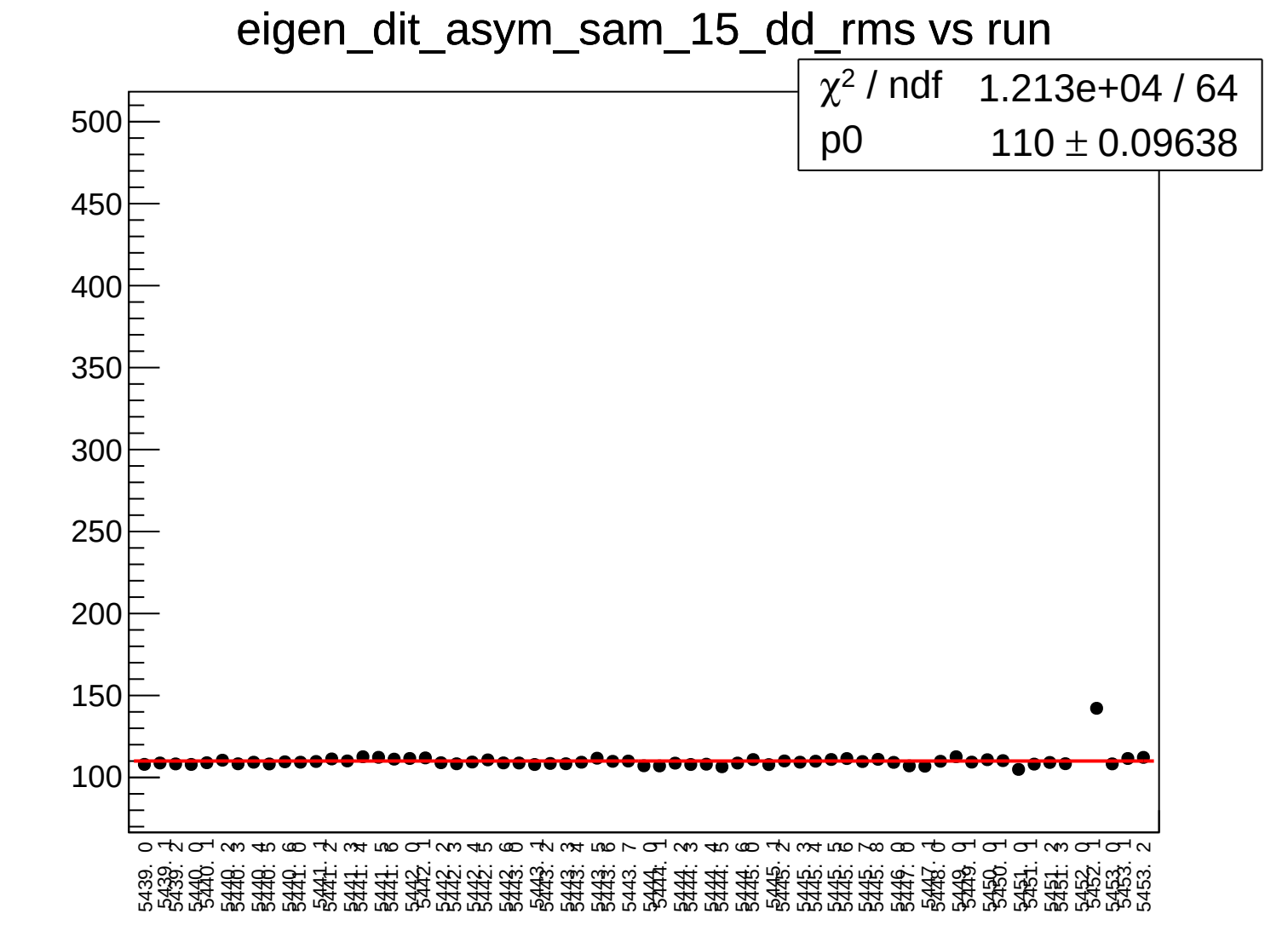

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 61.94 / 64
p0 70.63 ± 799.8
pull
Entries 65
Mean 81.28
Std Dev 0

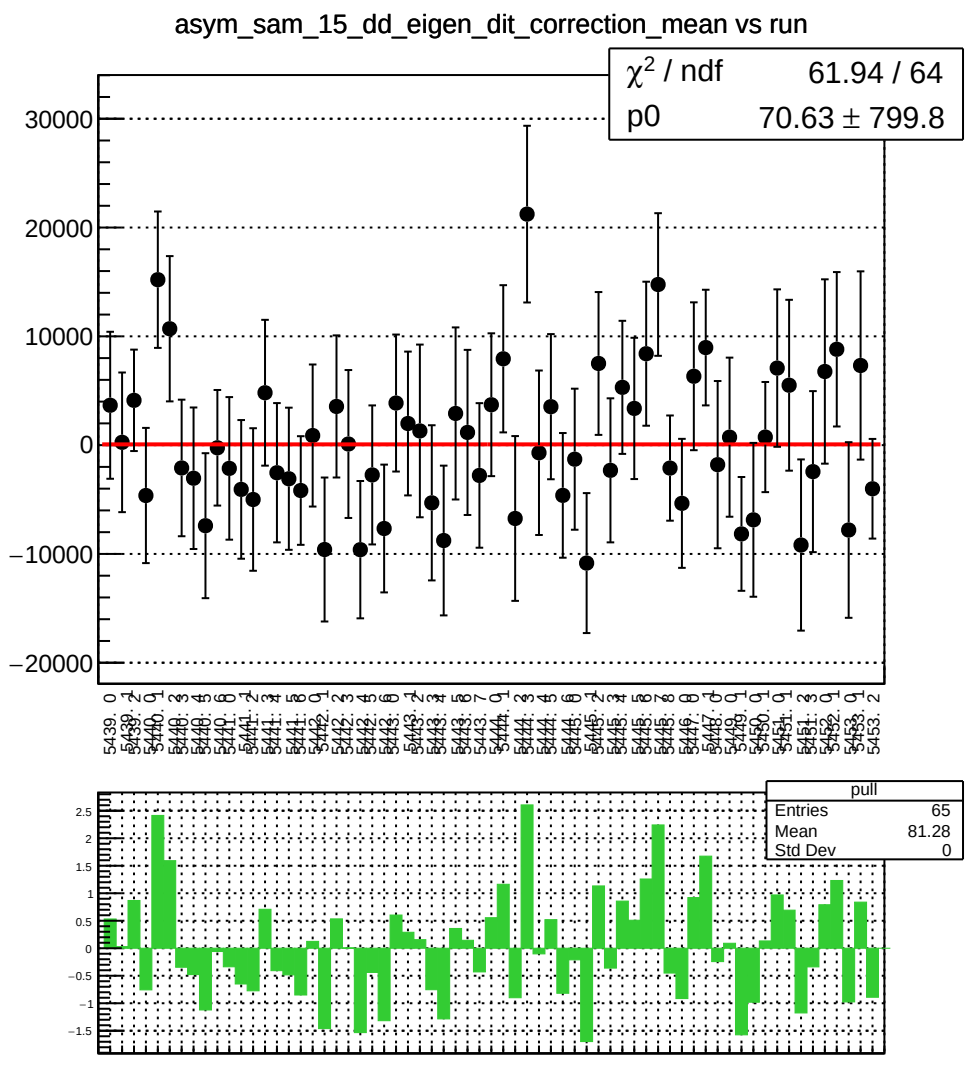

pull1D
Entries 65
Mean 0.02205
Std Dev 0.976

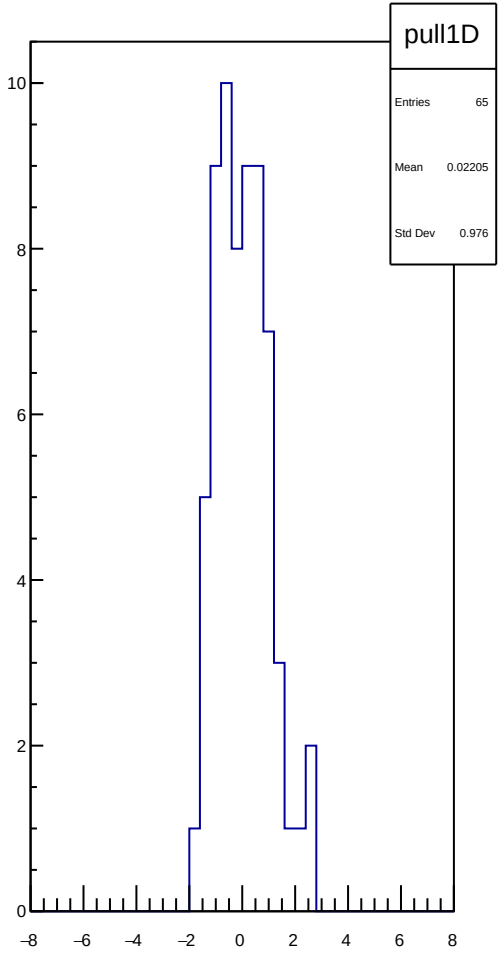

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 8842 / 64
p0 646.5 ± 0.5656
850
800
750
700
650
600

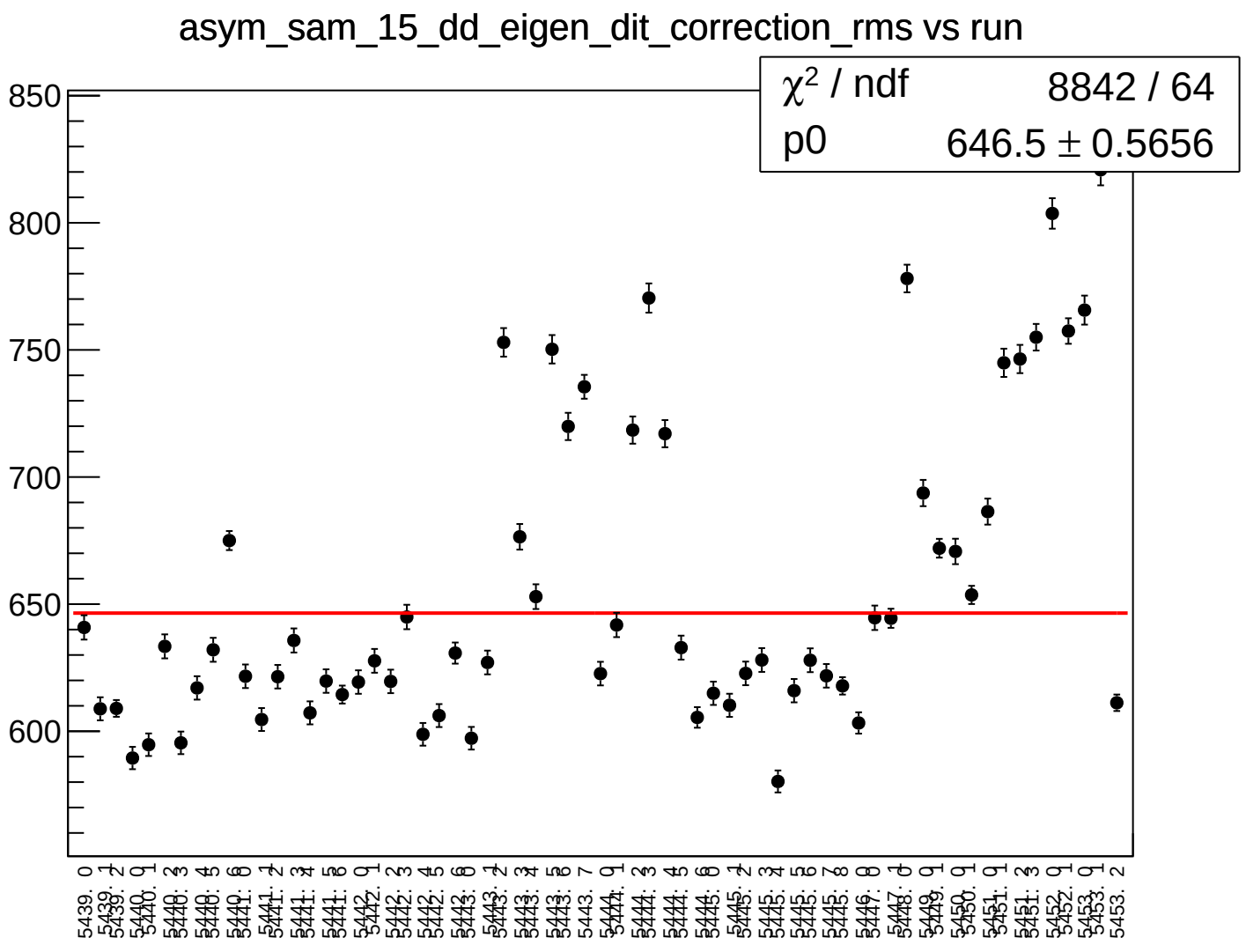

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 57.92 / 64
p0 223.7 ± 136.3
pull
Entries 65
Mean 75.69
Std Dev 15.18

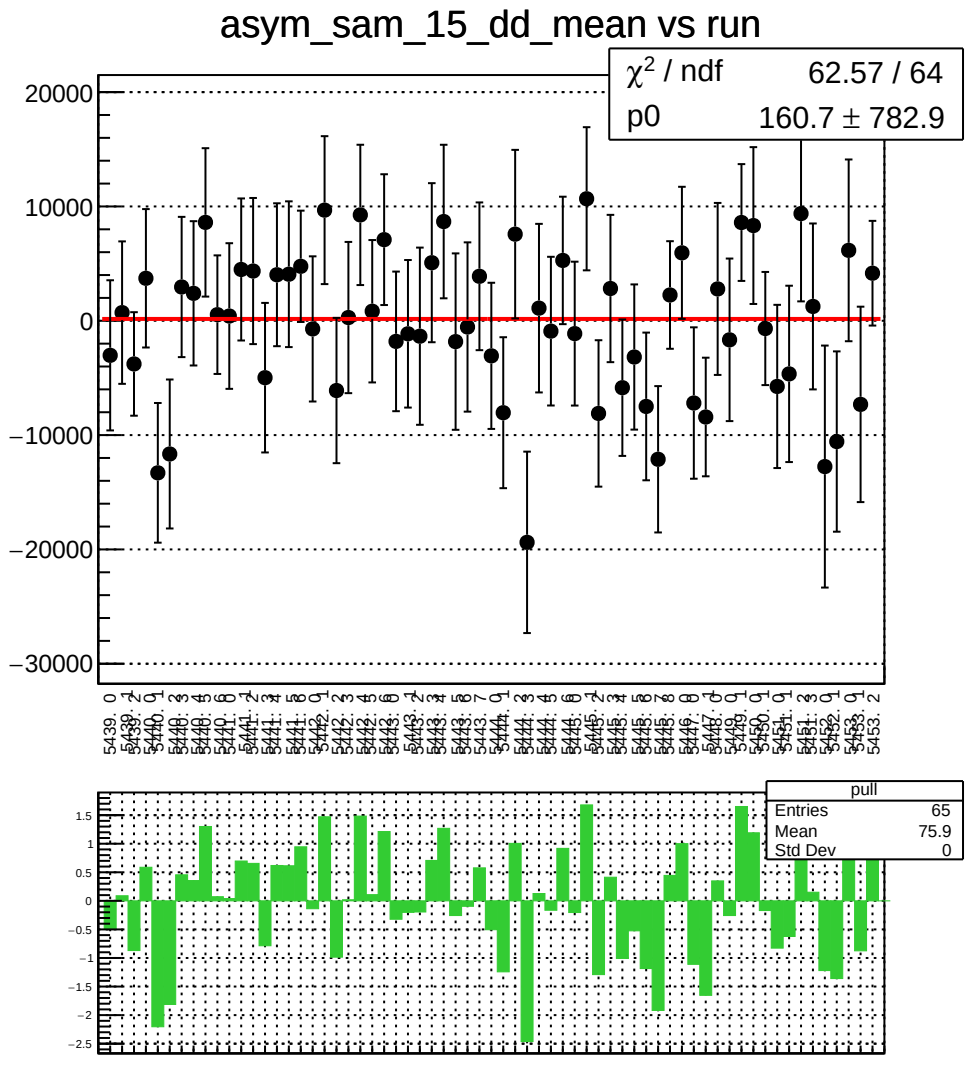

pull1D
Entries 65
Mean −0.02457
Std Dev 0.9437

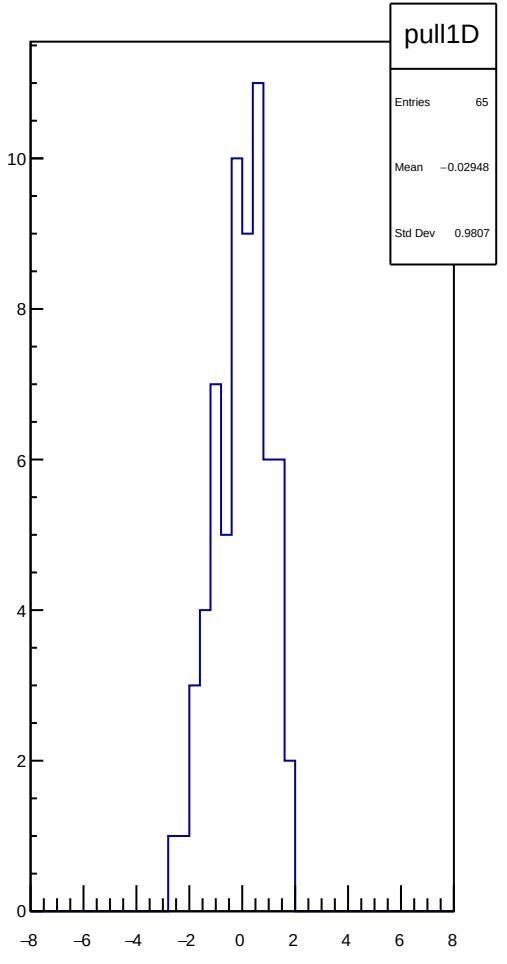

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 1.213e+04 / 64
p0 110 ± 0.09638
500
450
400
350
300
250
200
150
100
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 3
5444. 4
5444. 5
5444. 6
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 3
5451. 4
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

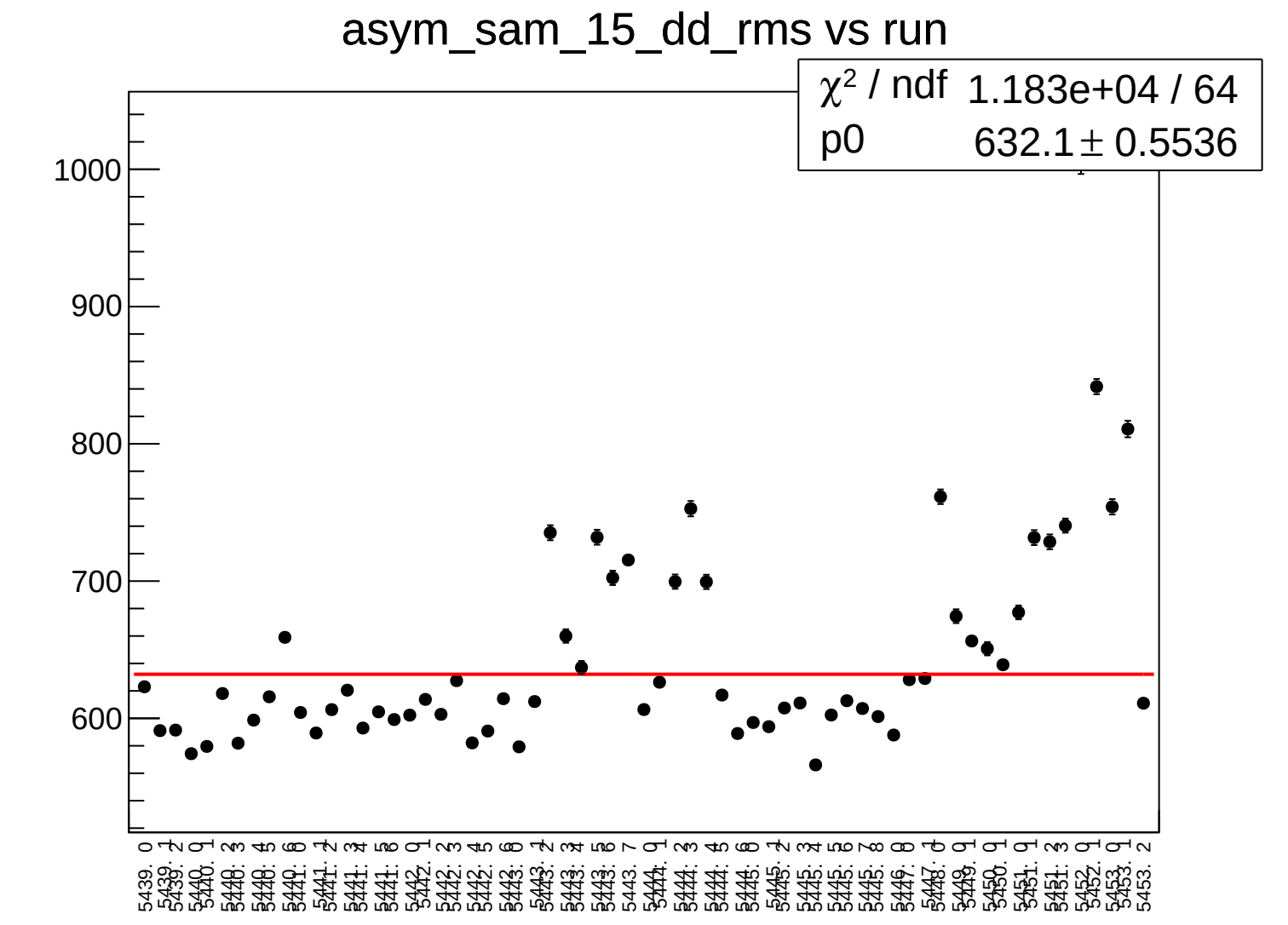

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 61.94 / 64
p0 70.63 ± 799.8
pull
Entries 65
Mean 81.28
Std Dev 0

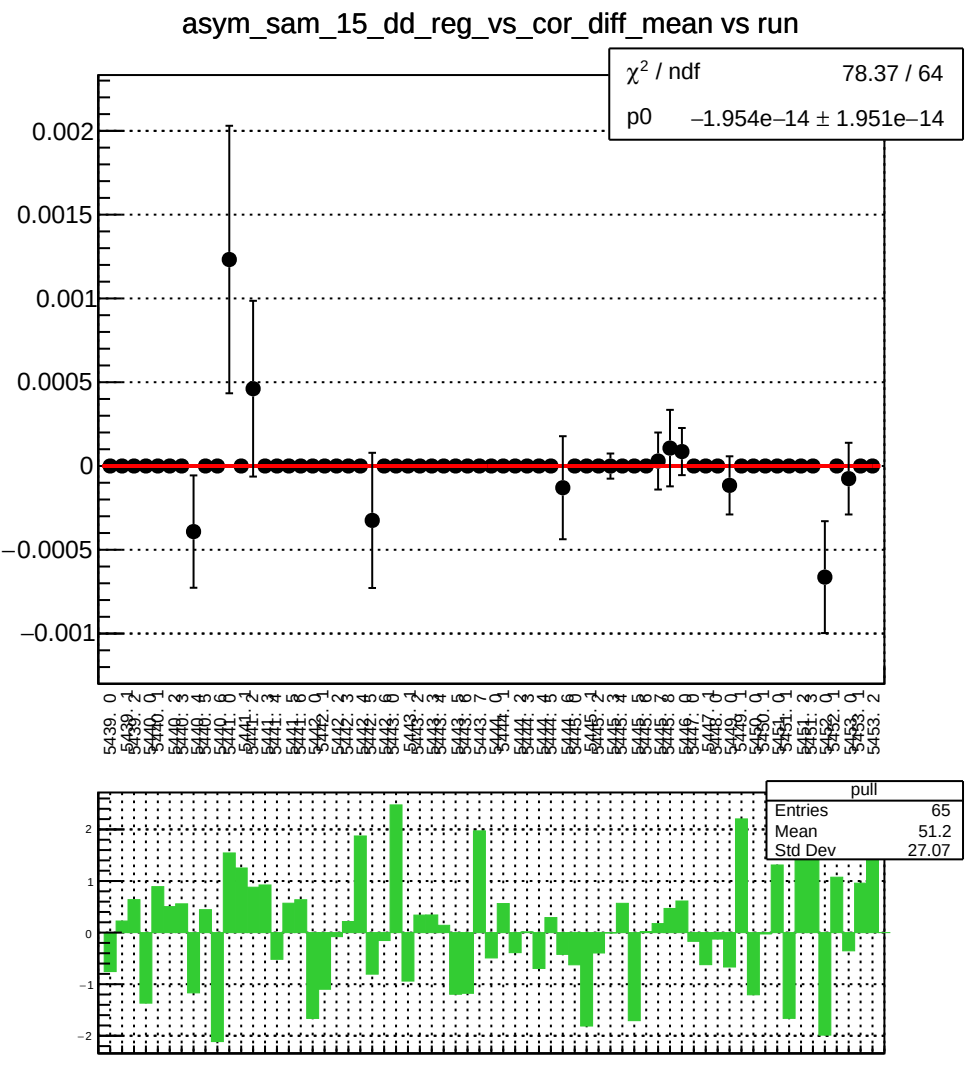

pull1D
Entries 65
Mean 0.02205
Std Dev 0.976

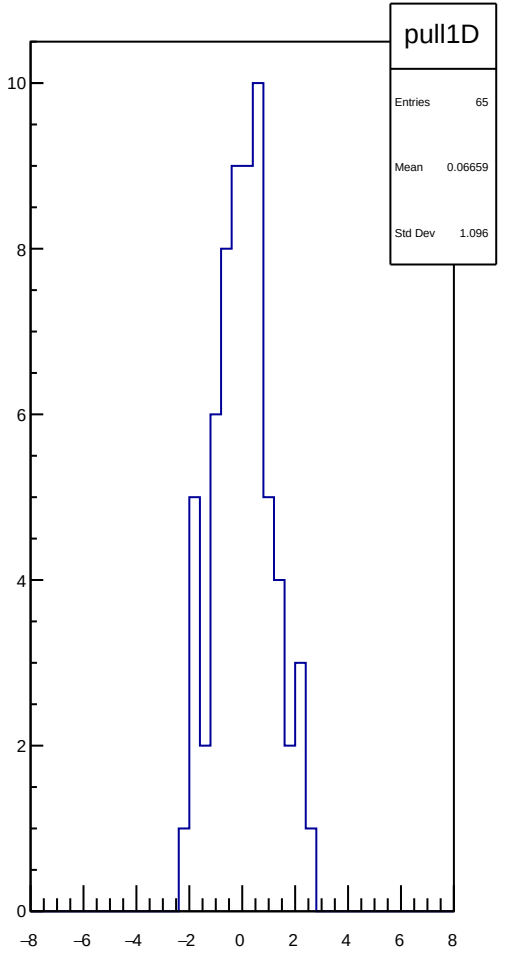

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 8842 / 64
p0 646.5 ± 0.5656
850
800
750
700
650
600

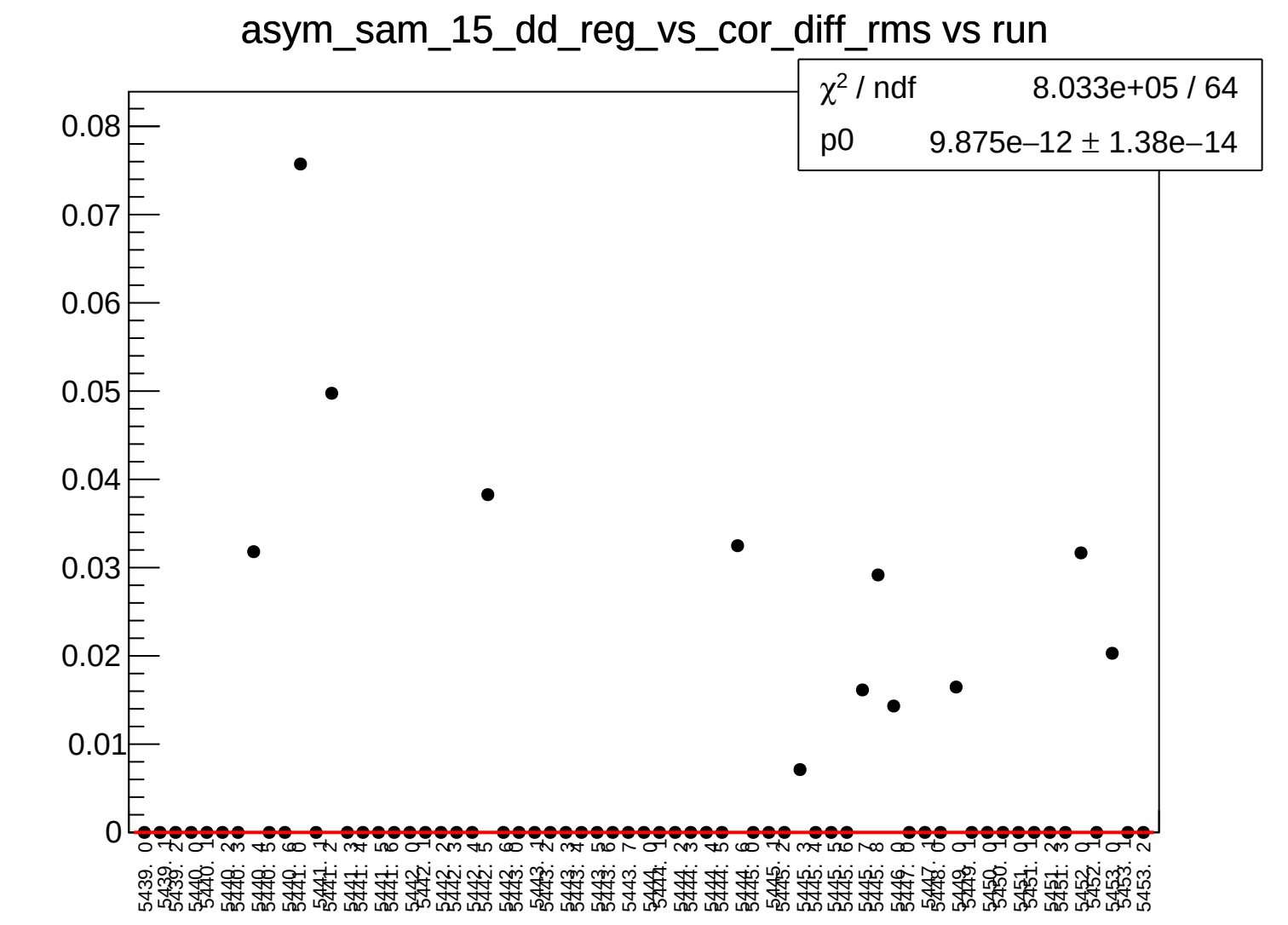

asym_sam_15_dd_mean vs run
χ^2 / ndf 62.57 / 64
p0 160.7 ± 782.9
pull
Entries 65
Mean 75.9
Std Dev 0

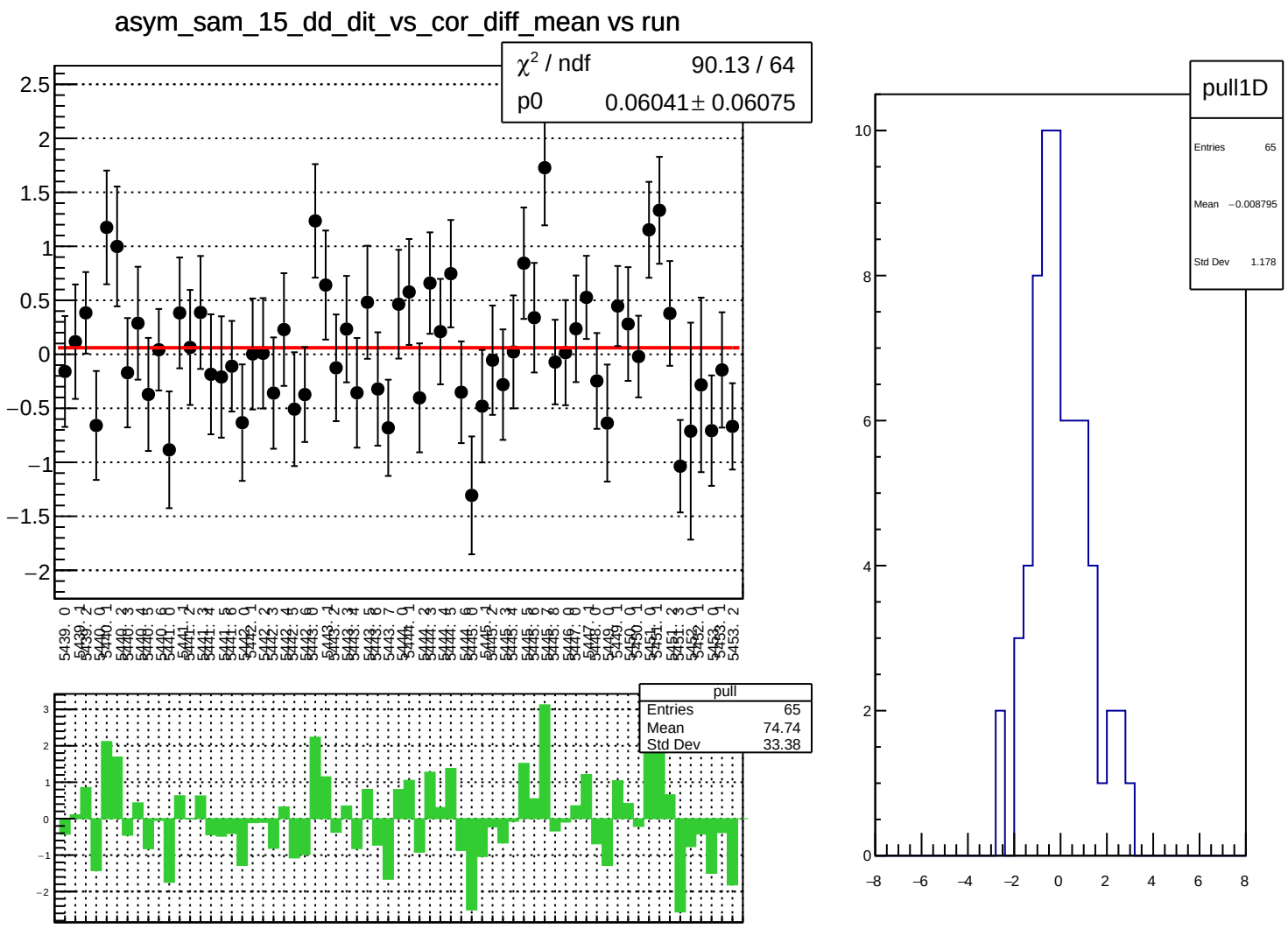

pull1D
Entries 65
Mean −0.02948
Std Dev 0.9807

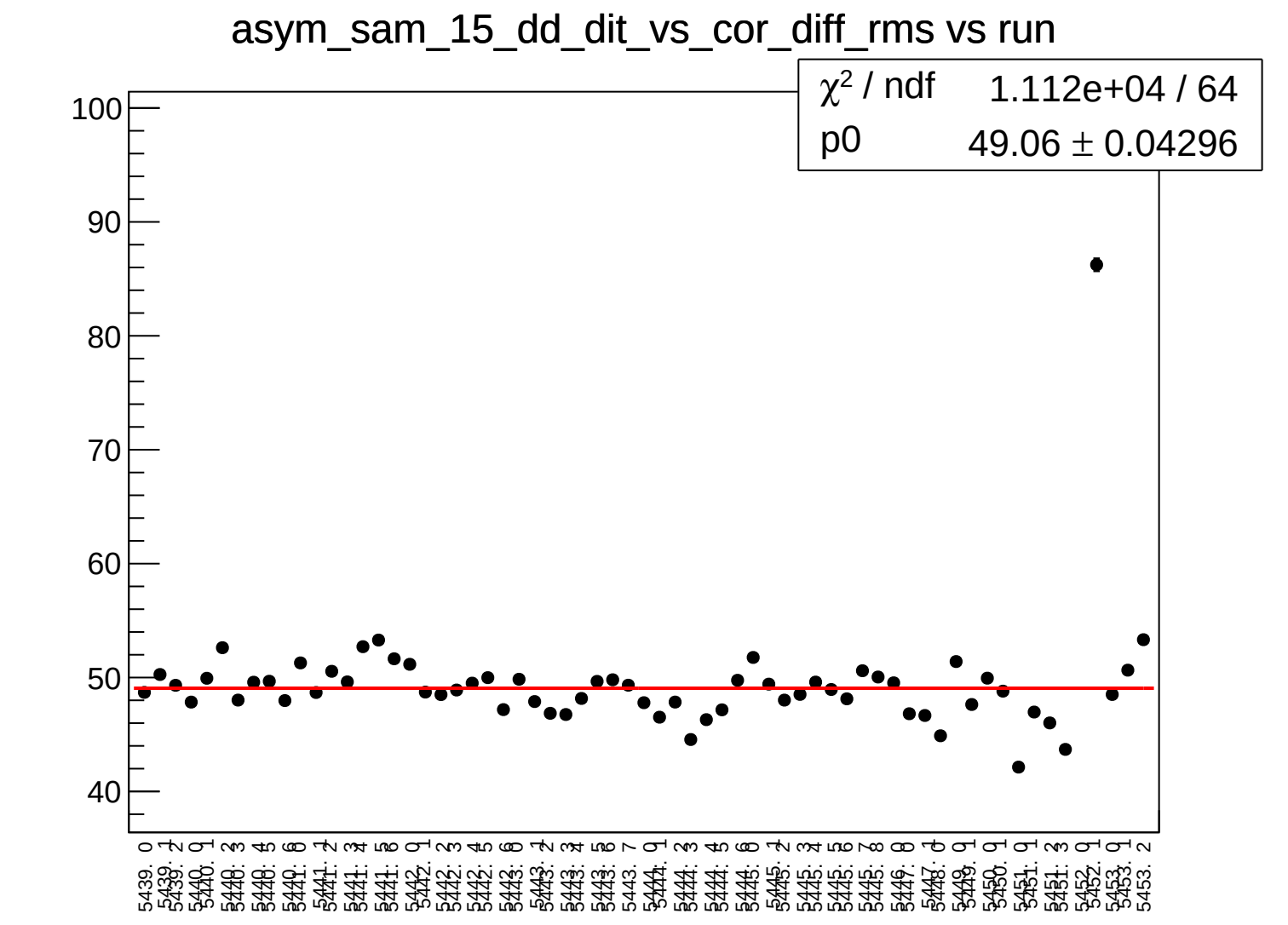

asym_sam_15_dd_rms vs run
χ² / ndf 1.183e+04 / 64
p0 632.1 ± 0.5536
1000
900
800
700
600

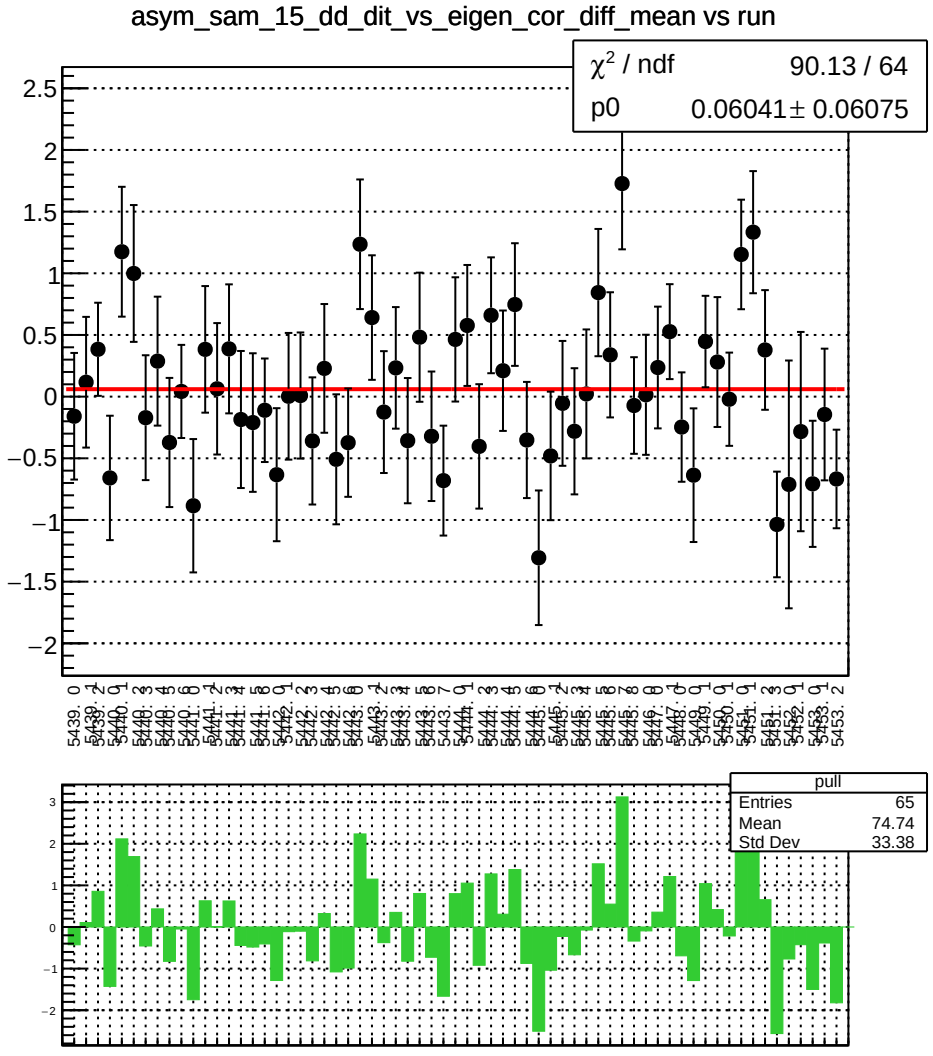

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 78.37 / 64
p0 −1.954e−14 ± 1.951e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 65
Mean 51.2
Std Dev 27.07
2
1
0
−1
−2

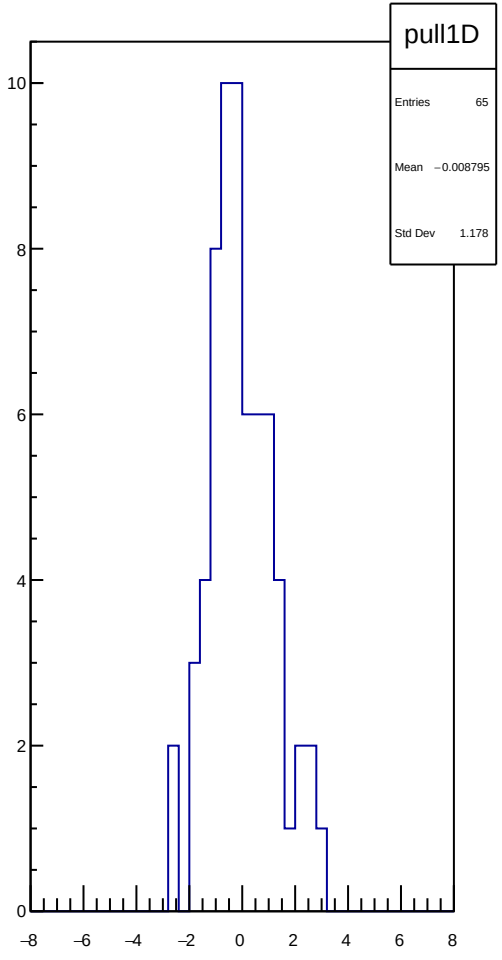

pull1D
Entries 65
Mean 0.06659
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

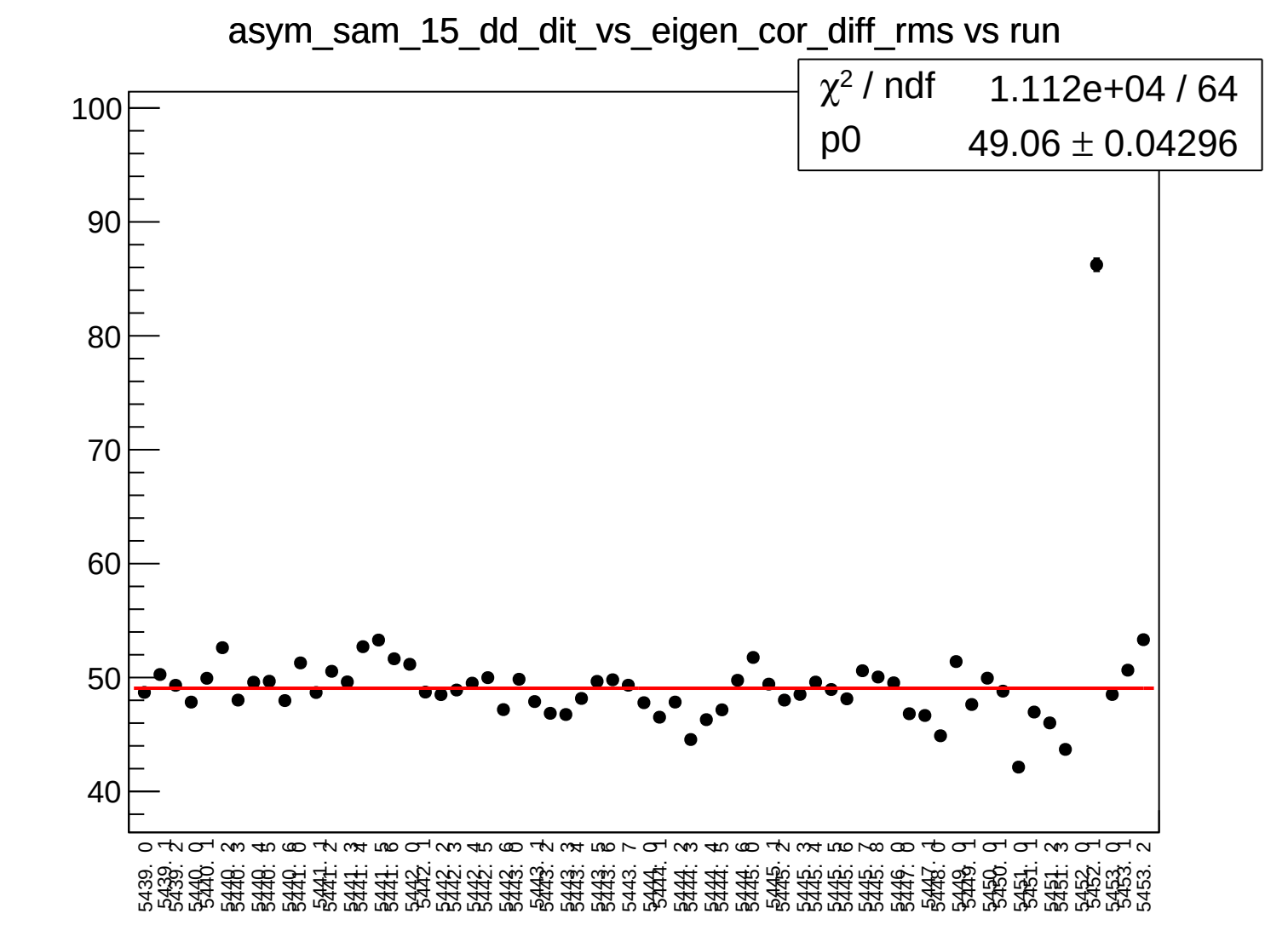

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.033e+05 / 64
p0 9.875e−12 ± 1.38e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

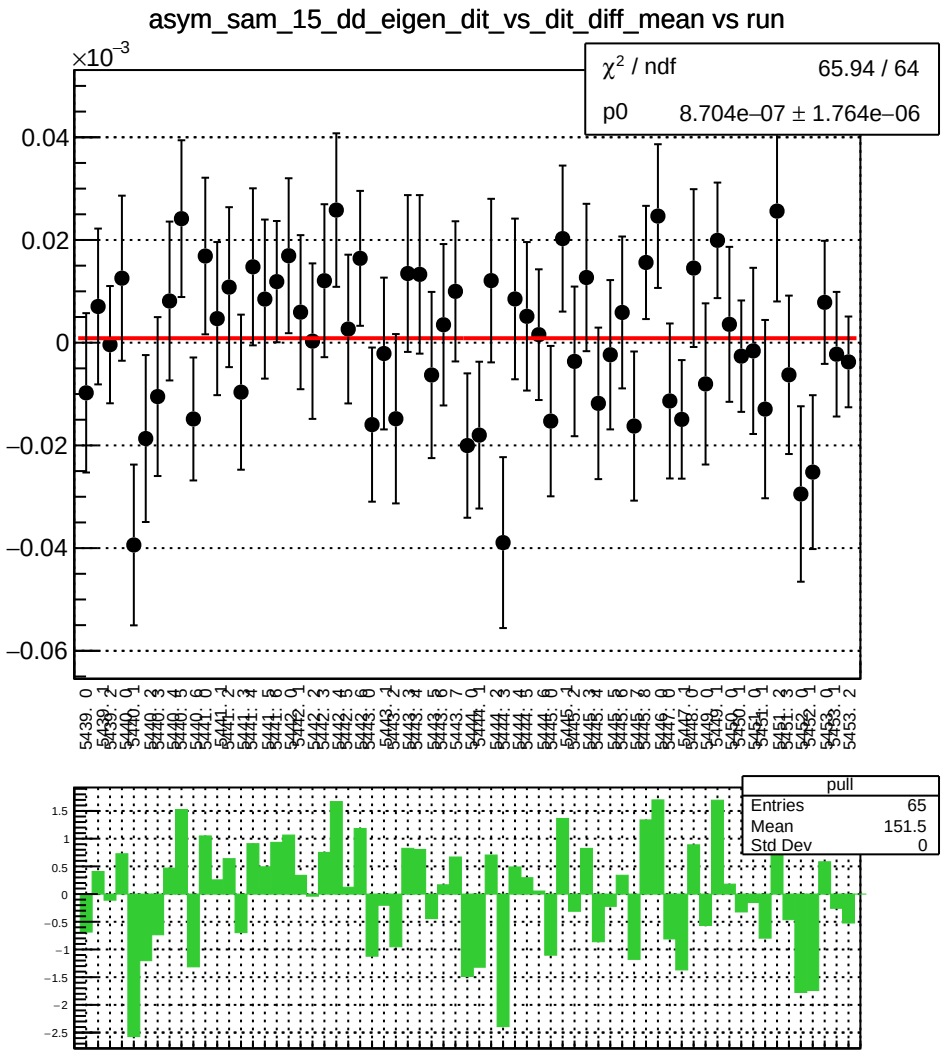

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 90.13 / 64
p0 0.06041 ± 0.06075
pull
Entries 65
Mean 74.74
Std Dev 33.38
pull1D
Entries 65
Mean −0.008795
Std Dev 1.178

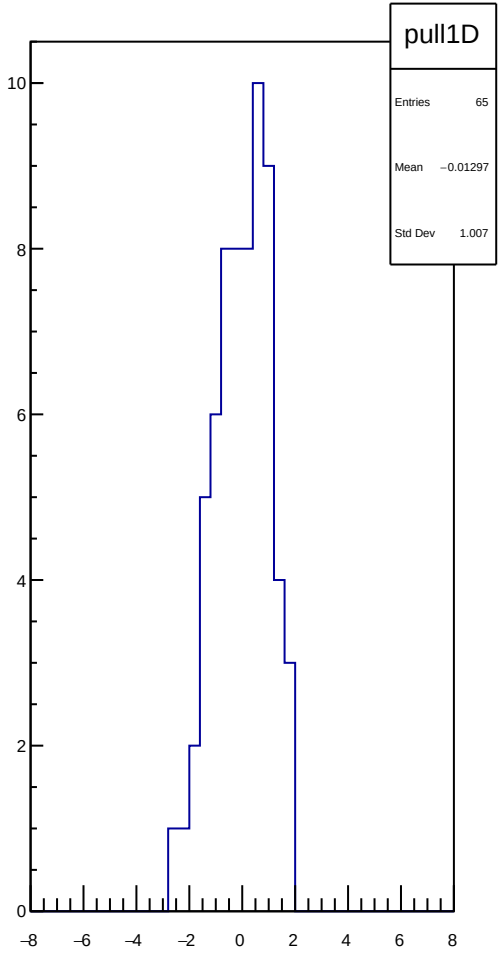

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.112e+04 / 64
p0 49.06 ± 0.04296
100
90
80
70
60
50
40

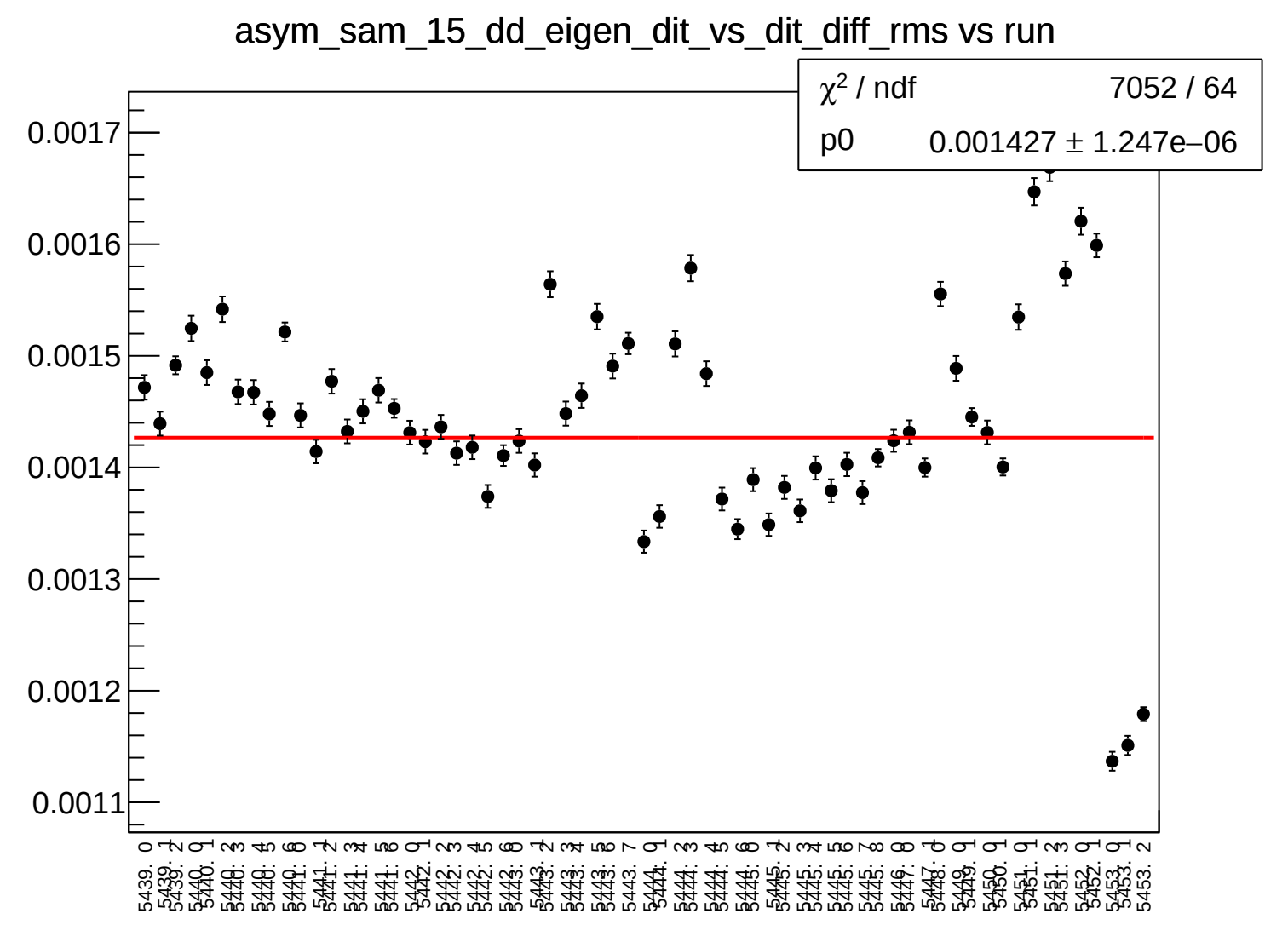

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.13 / 64
p0 0.06041 ± 0.06075
pull
Entries 65
Mean 74.74
Std Dev 33.38

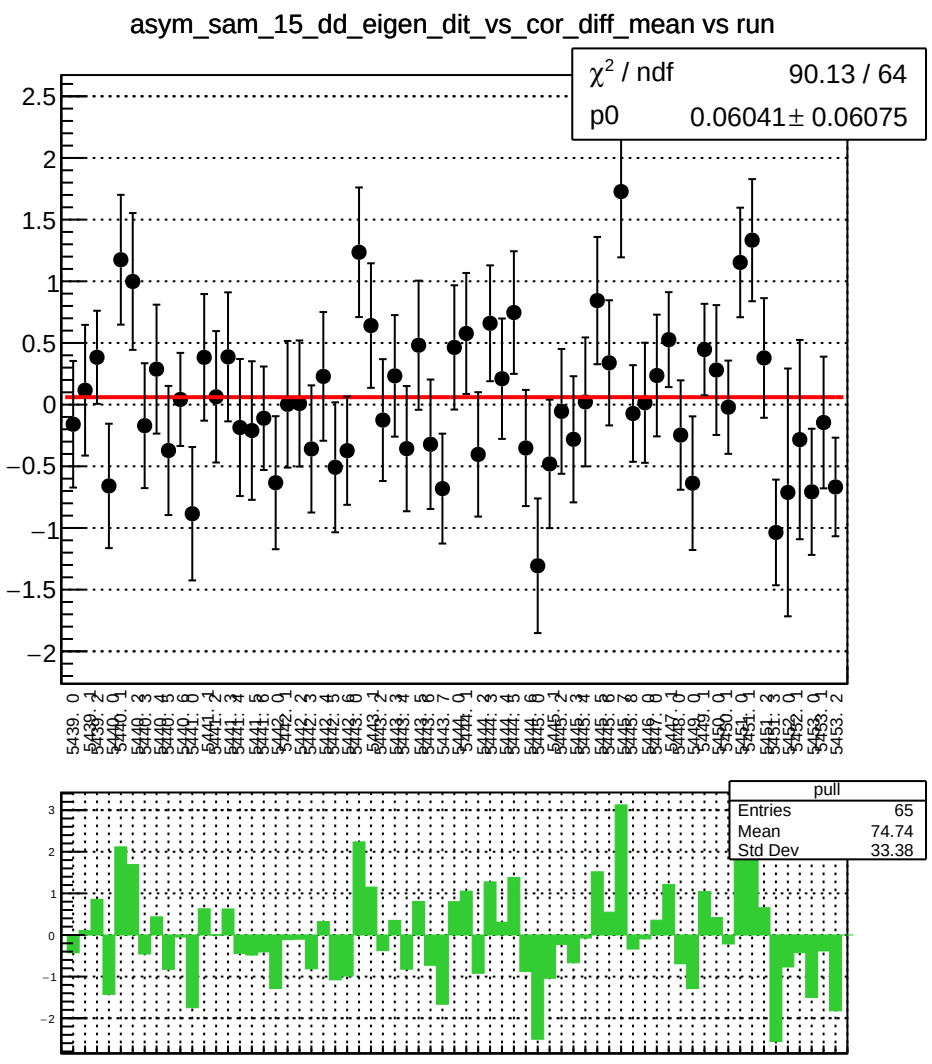

pull1D
Entries 65
Mean −0.008795
Std Dev 1.178

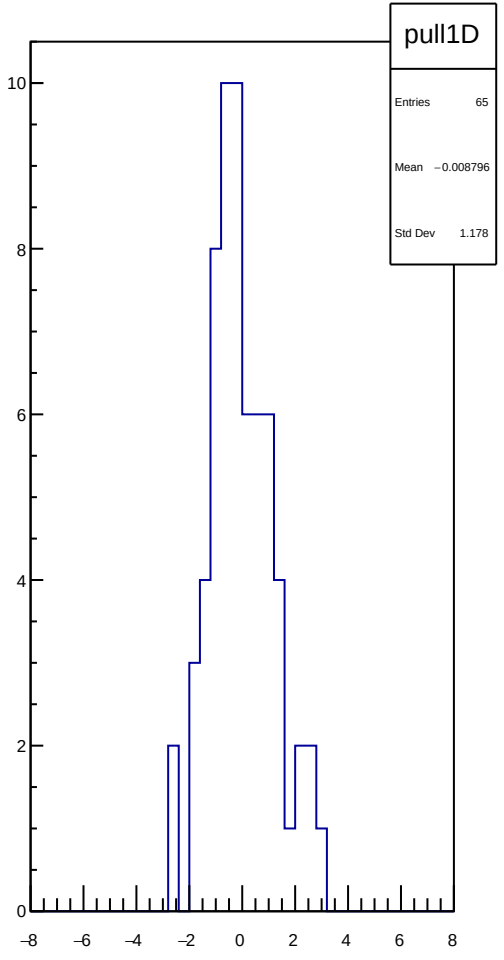

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.112e+04 / 64
p0 49.06 ± 0.04296
100
90
80
70
60
50
40

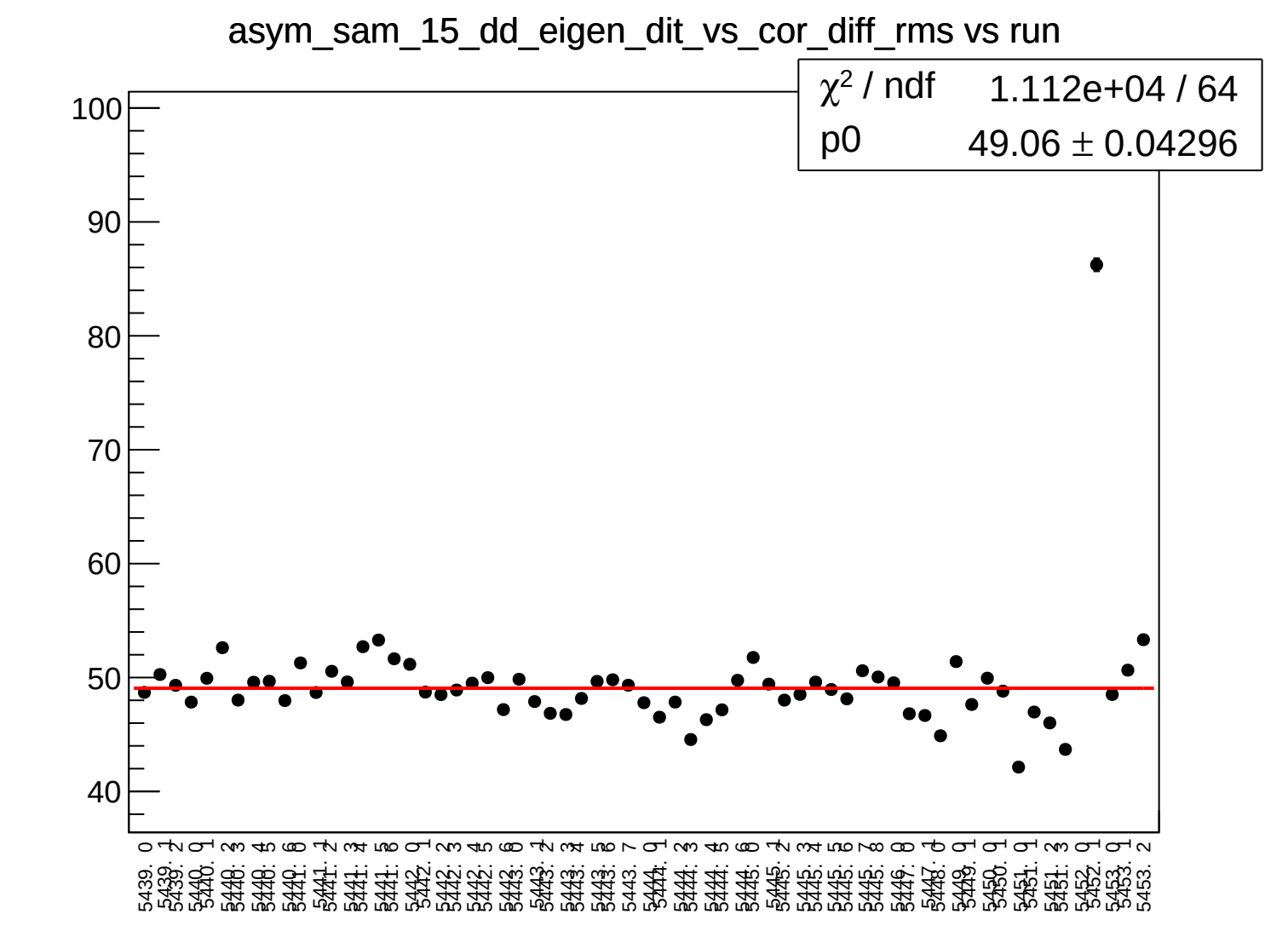

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.94 / 64
p0 8.704e−07 ± 1.764e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 65
Mean 151.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

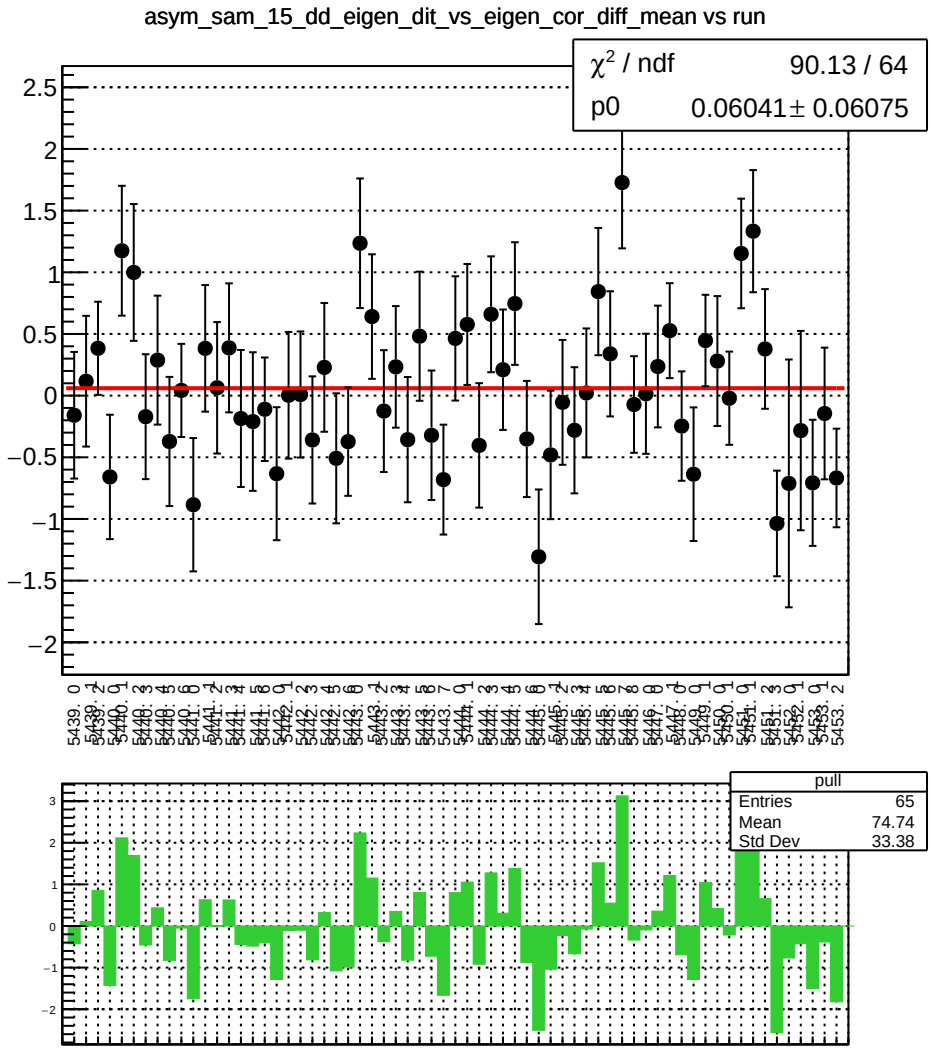

pull1D
Entries 65
Mean −0.01297
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

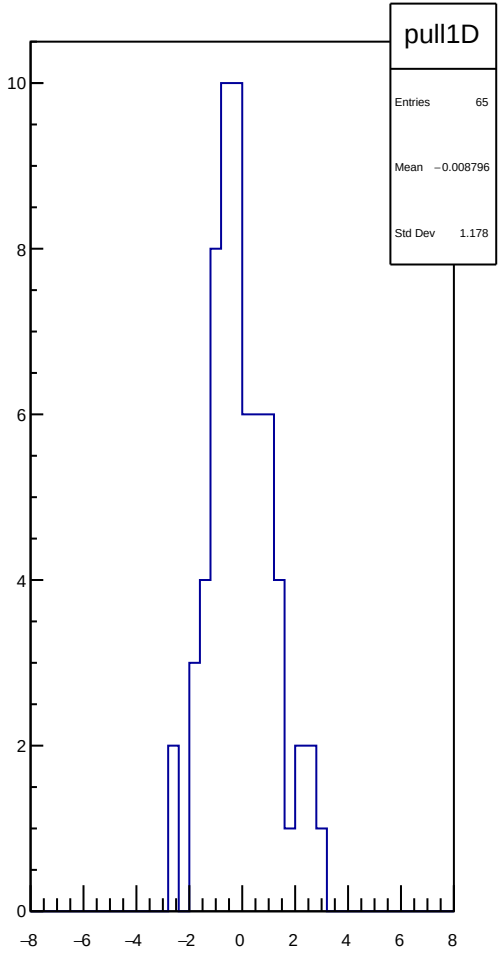

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7052 / 64
p0 0.001427 ± 1.247e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011

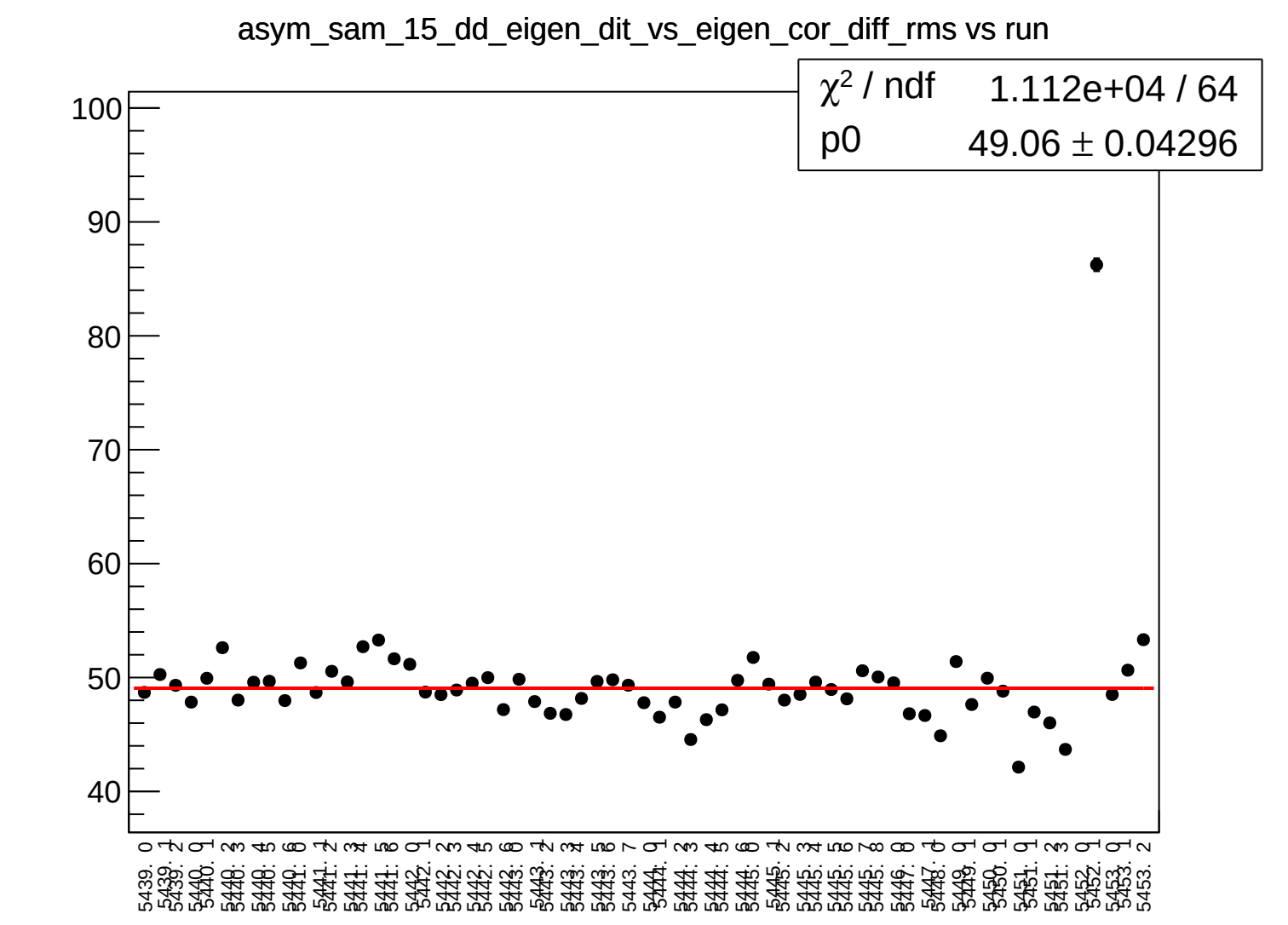

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.13 / 64
p0 0.06041 ± 0.06075
pull
Entries 65
Mean 74.74
Std Dev 33.38

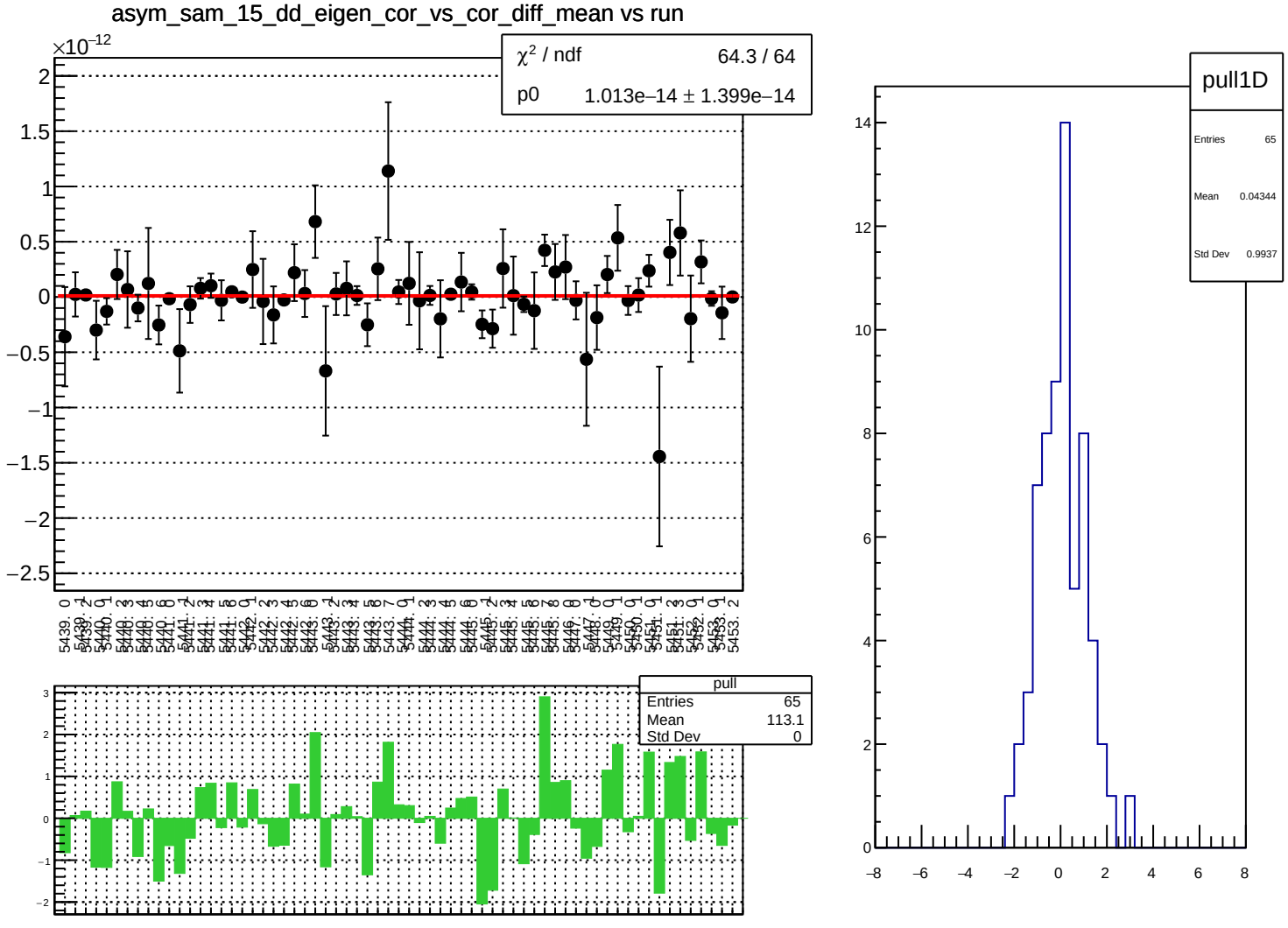

pull1D
Entries 65
Mean −0.008796
Std Dev 1.178

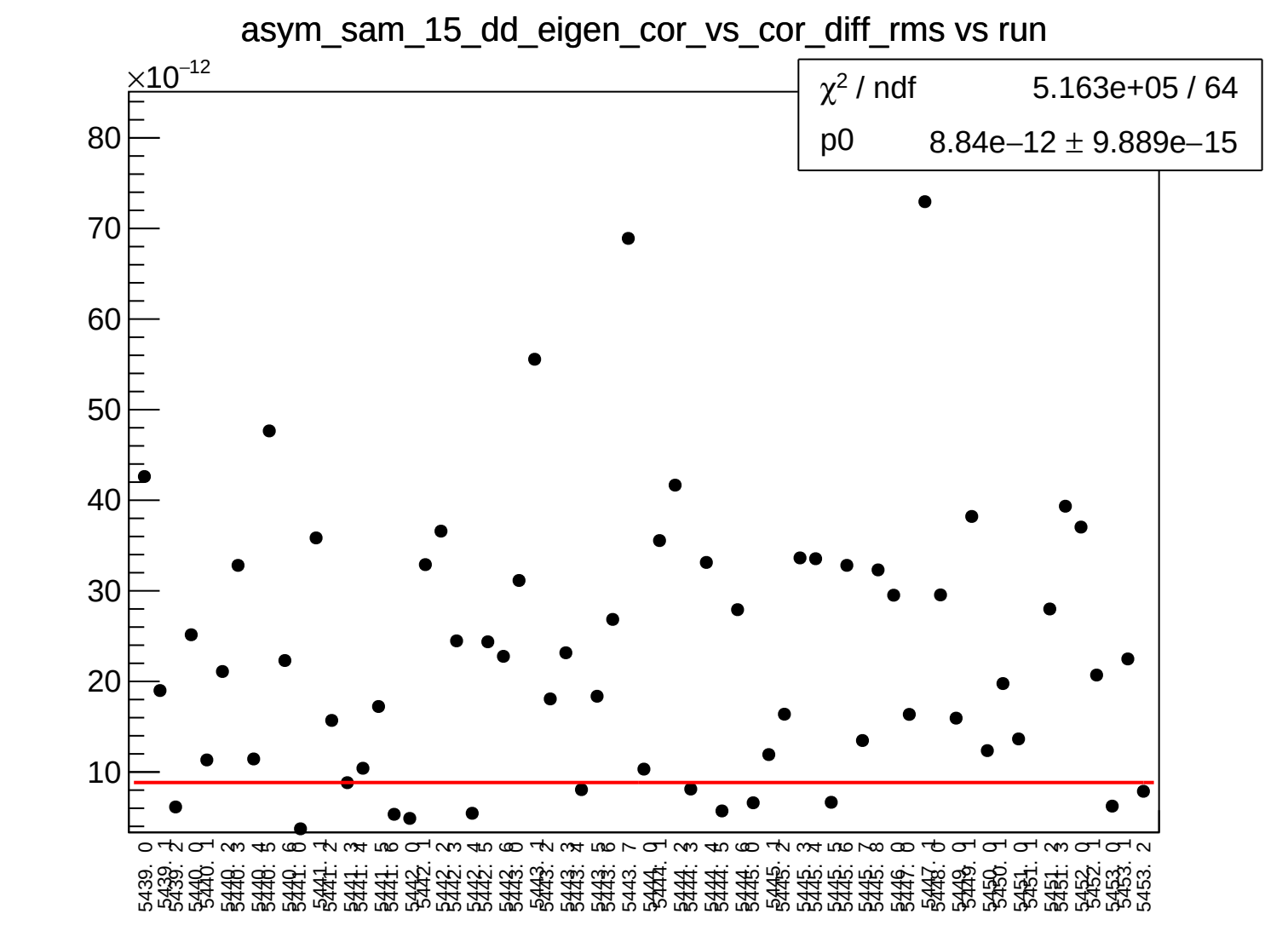

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.112e+04 / 64
p0 49.06 ± 0.04296
100
90
80
70
60
50
40

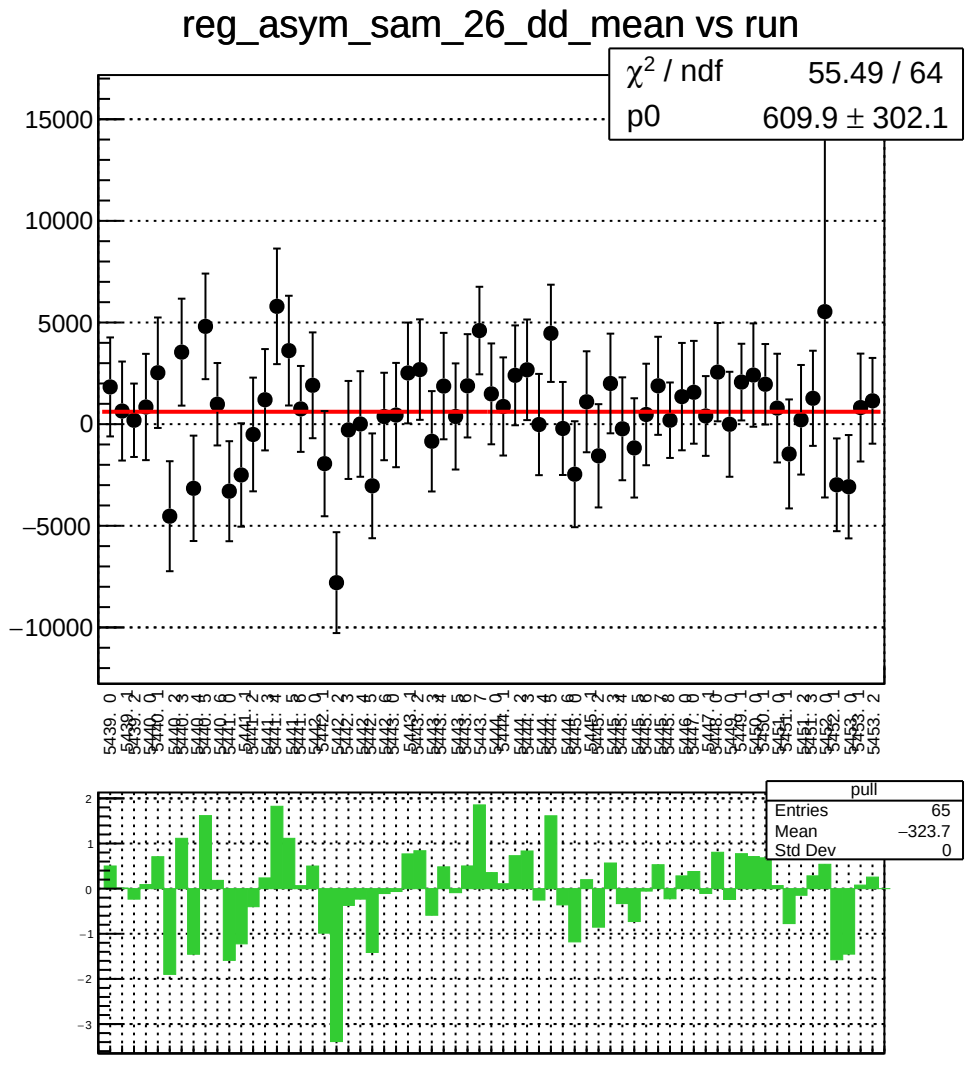

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.13 / 64
p0 0.06041 ± 0.06075
pull
Entries 65
Mean 74.74
Std Dev 33.38

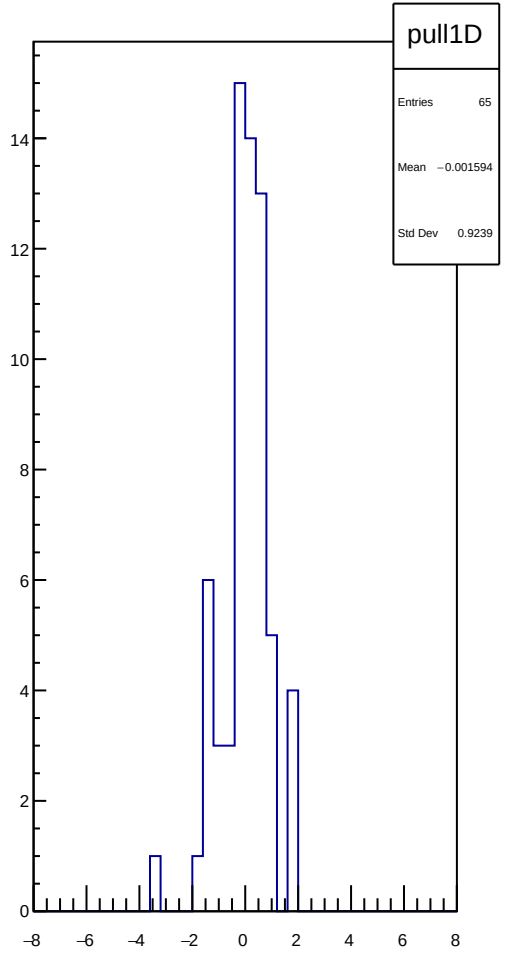

pull1D
Entries 65
Mean −0.008796
Std Dev 1.178

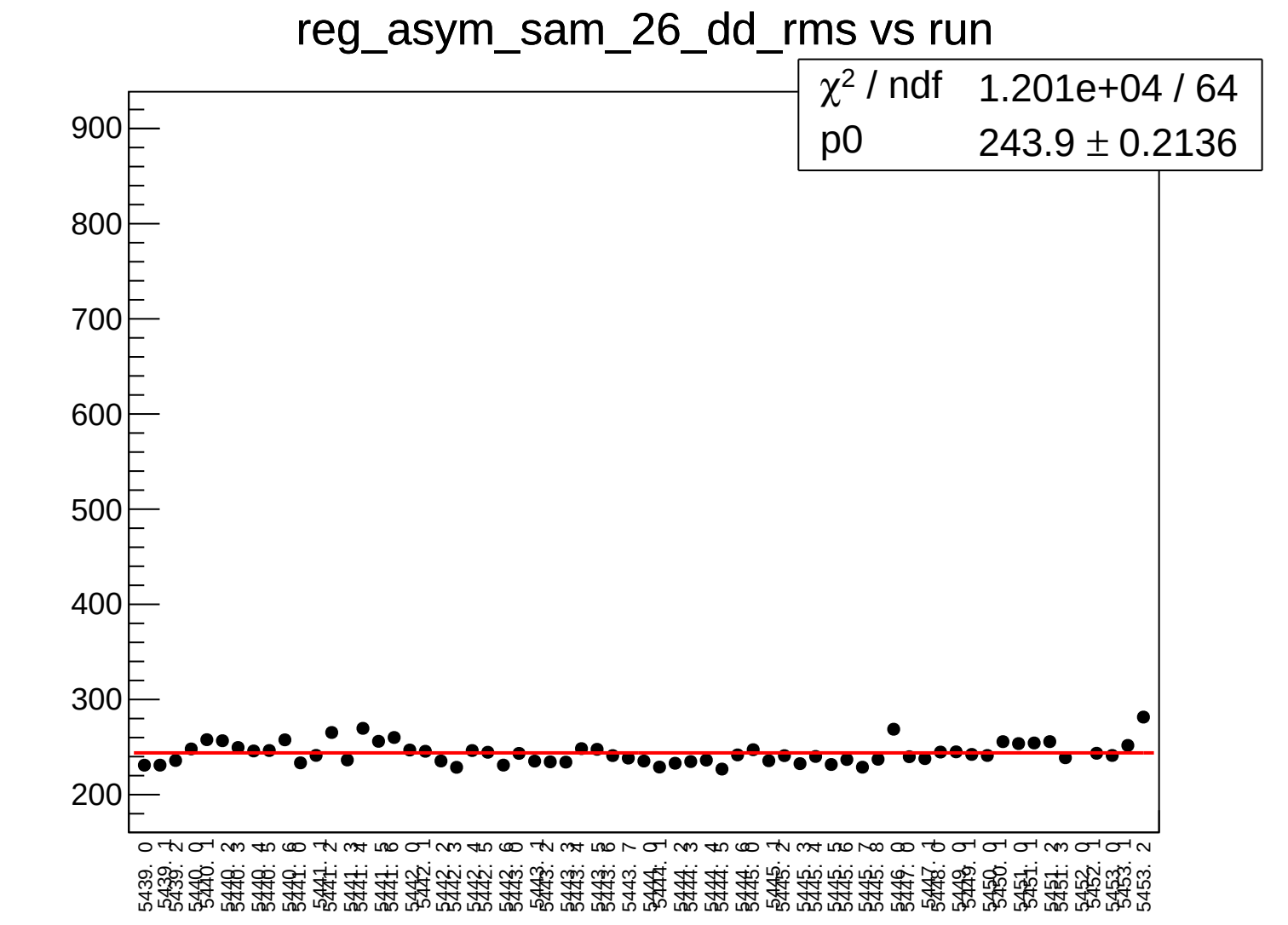

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.112e+04 / 64
p0 49.06 ± 0.04296
100
90
80
70
60
50
40

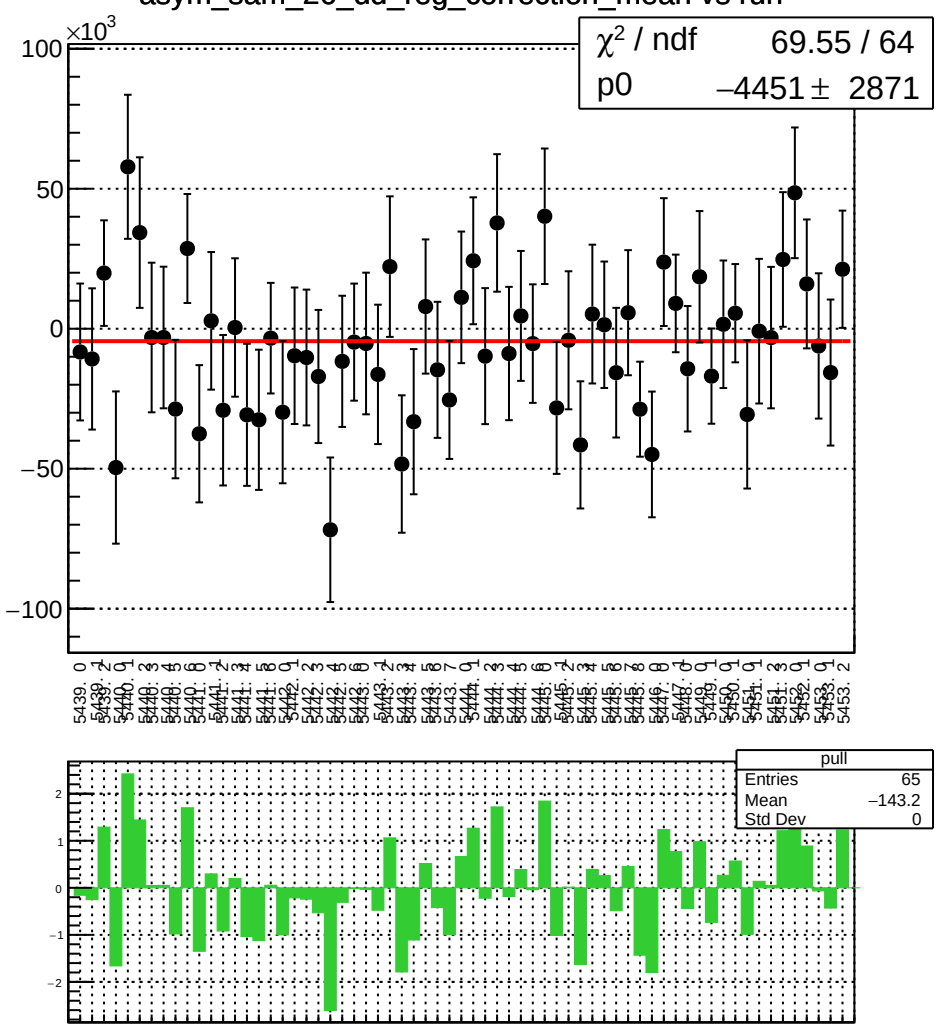

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 64.3 / 64
p0 1.013e−14 ± 1.399e−14
pull
Entries 65
Mean 113.1
Std Dev 0
pull1D
Entries 65
Mean 0.04344
Std Dev 0.9937

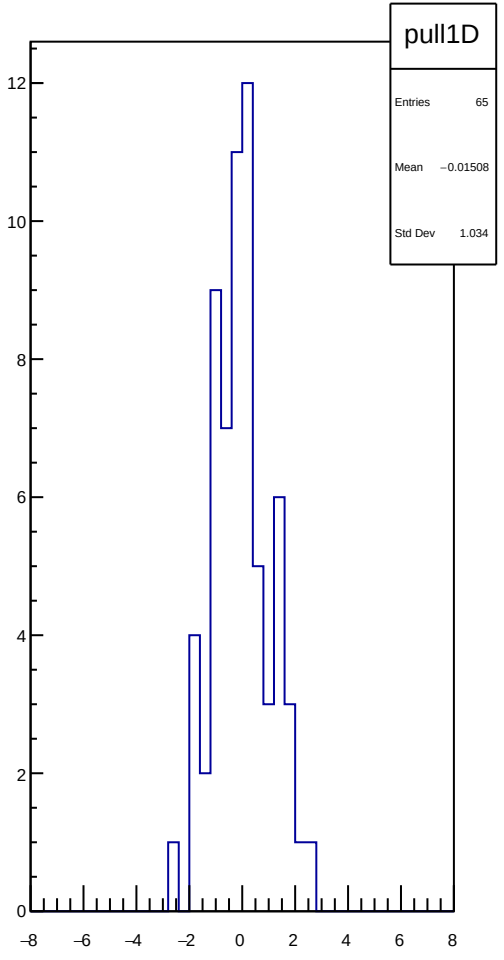

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.163e+05 / 64
p0 8.84e−12 ± 9.889e−15
80
70
60
50
40
30
20
10

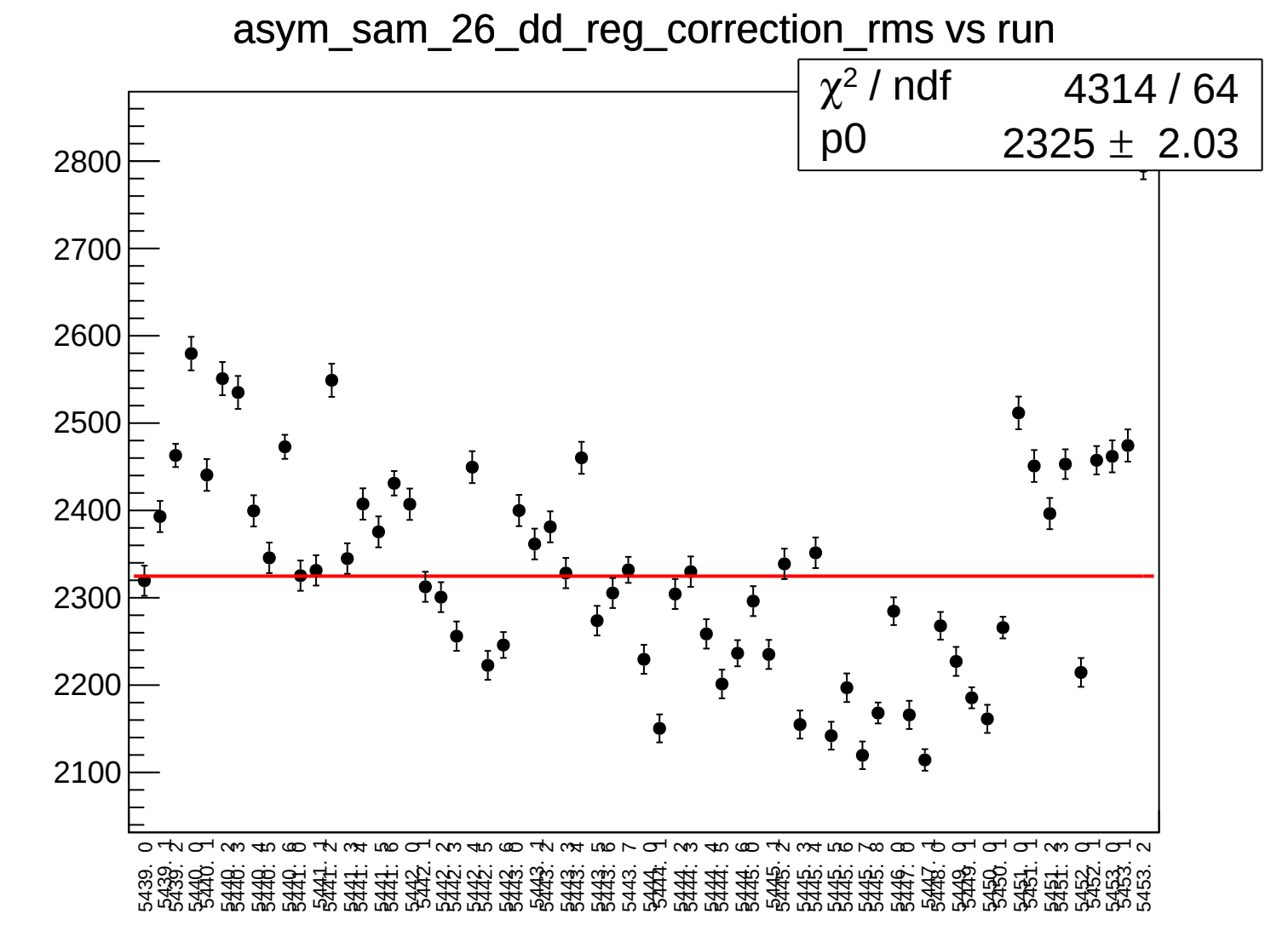

reg_asym_sam_26_dd_mean vs run
χ² / ndf 55.49 / 64
p0 609.9 ± 302.1
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −323.7
Std Dev 0
2
1
0
−1
−2
−3

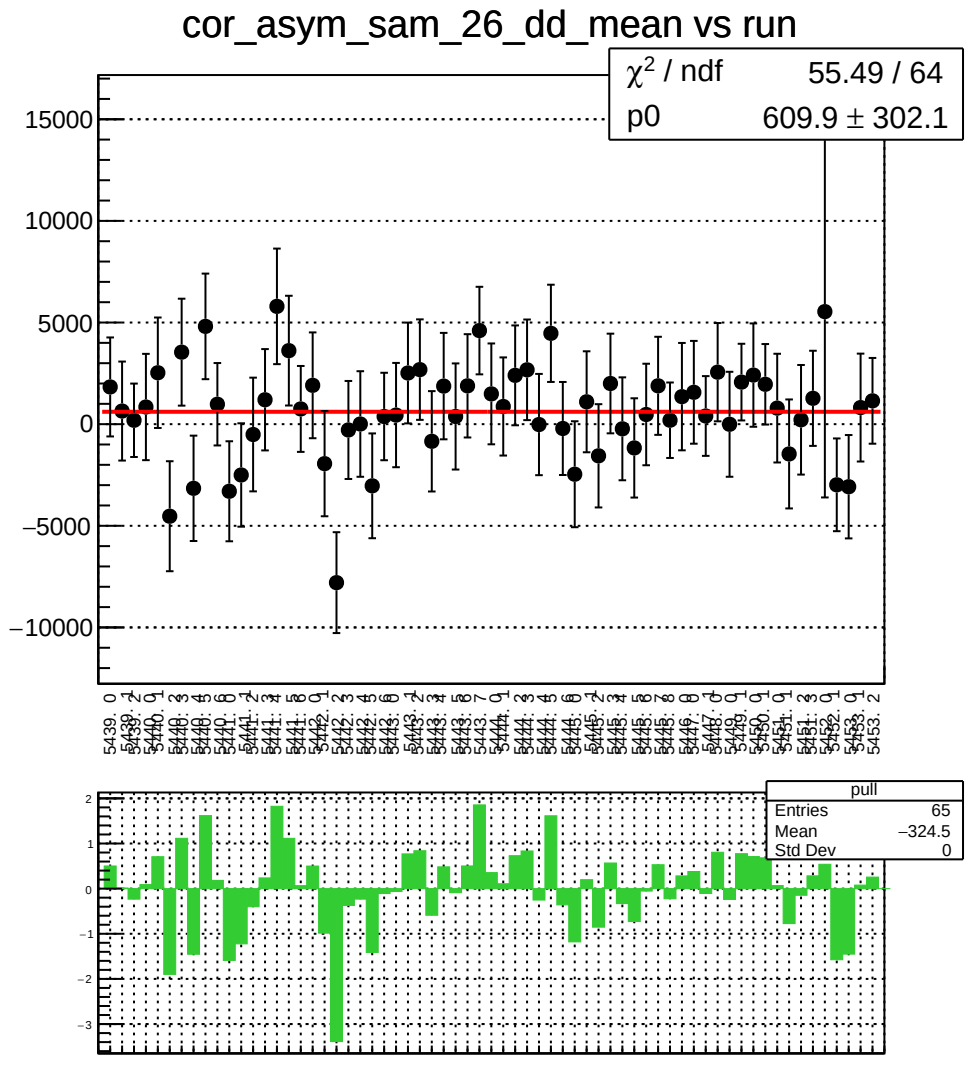

pull1D
Entries 65
Mean −0.001594
Std Dev 0.9239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

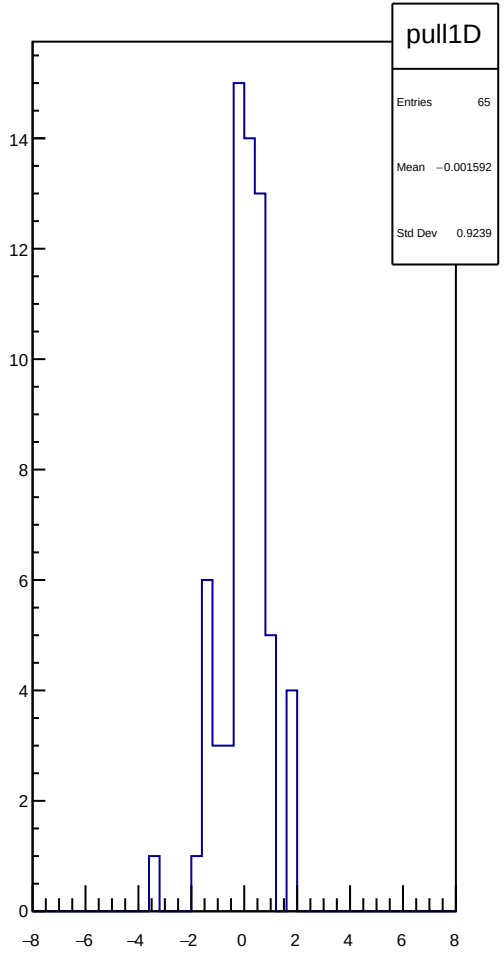

reg_asym_sam_26_dd_rms vs run
χ² / ndf 1.201e+04 / 64
p0 243.9 ± 0.2136
900
800
700
600
500
400
300
200

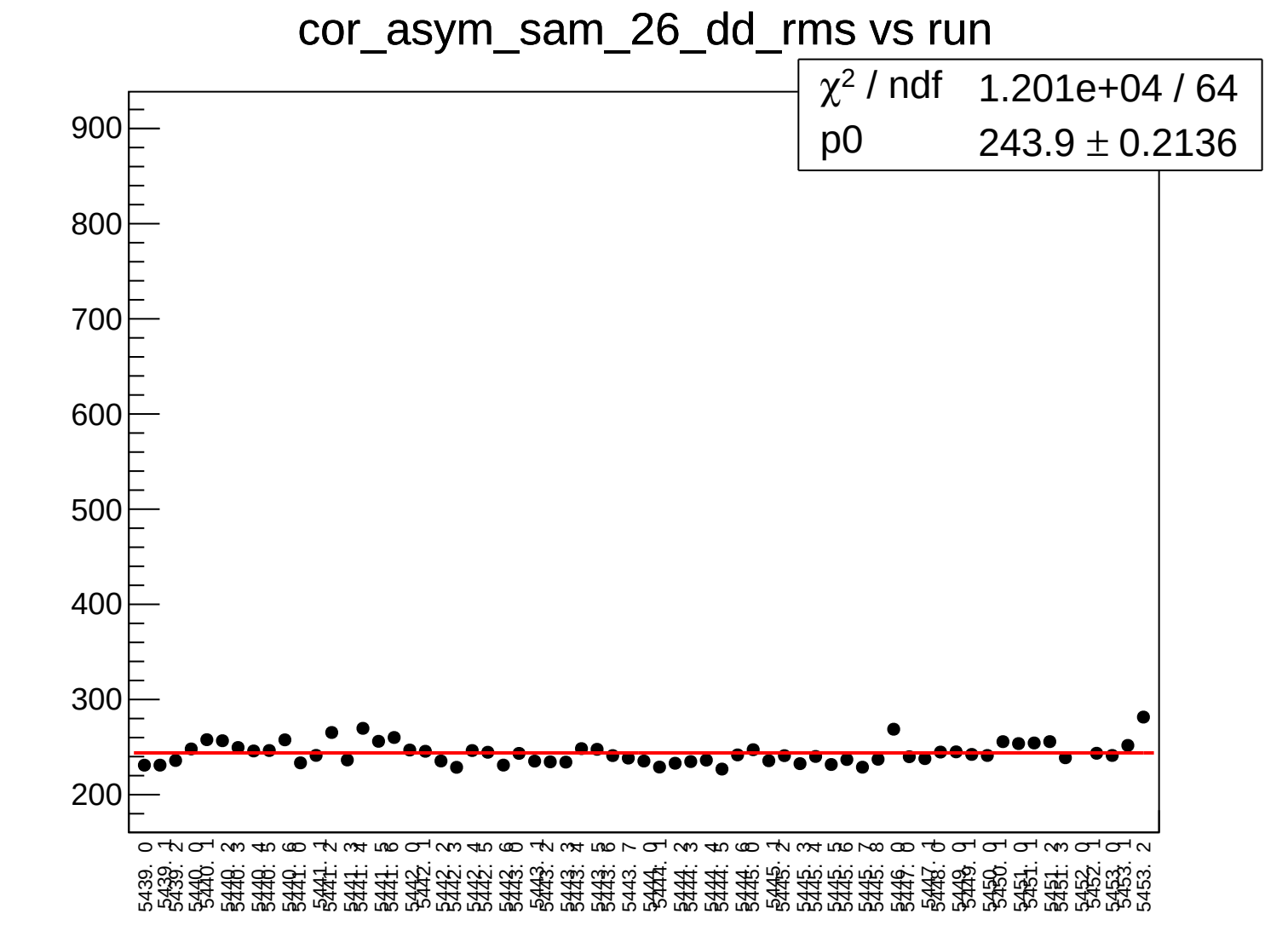

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 69.55 / 64
p0 −4451 ± 2871
pull
Entries 65
Mean −143.2
Std Dev 0

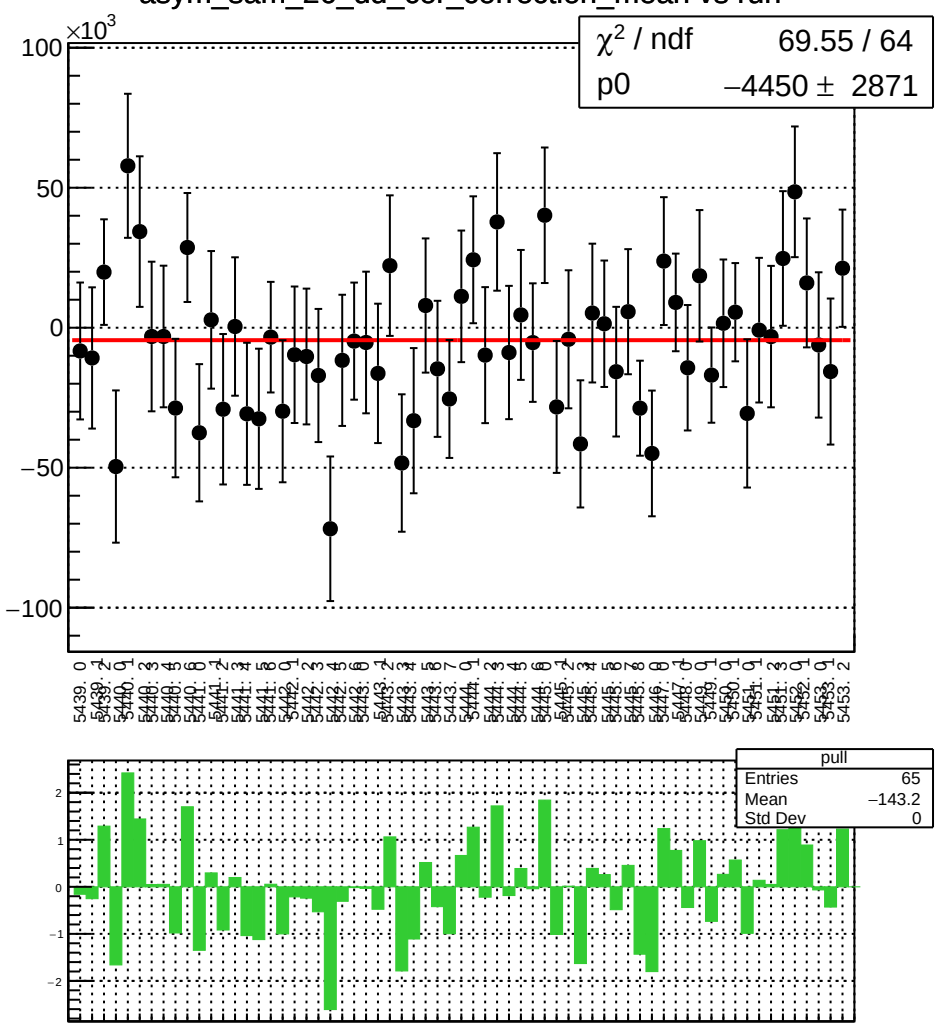

pull1D
Entries 65
Mean −0.01508
Std Dev 1.034

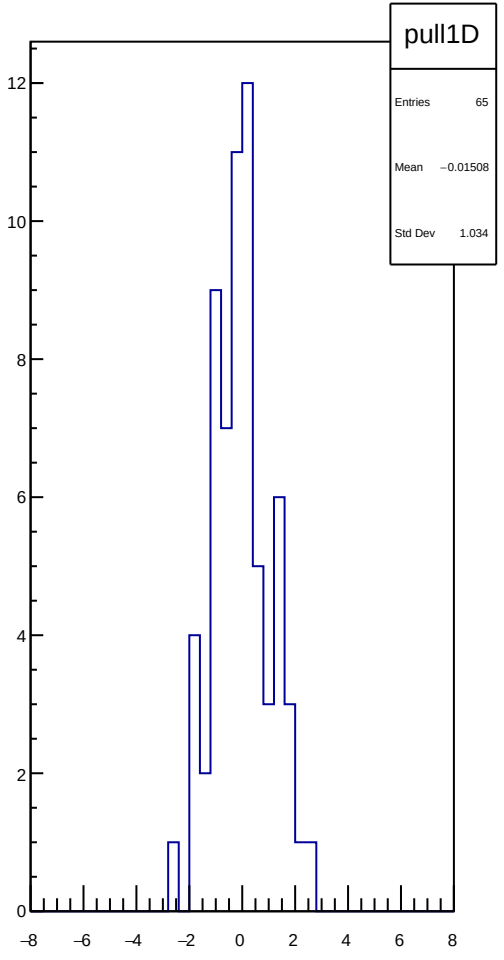

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 4314 / 64
p0 2325 ± 2.03
2800
2700
2600
2500
2400
2300
2200
2100

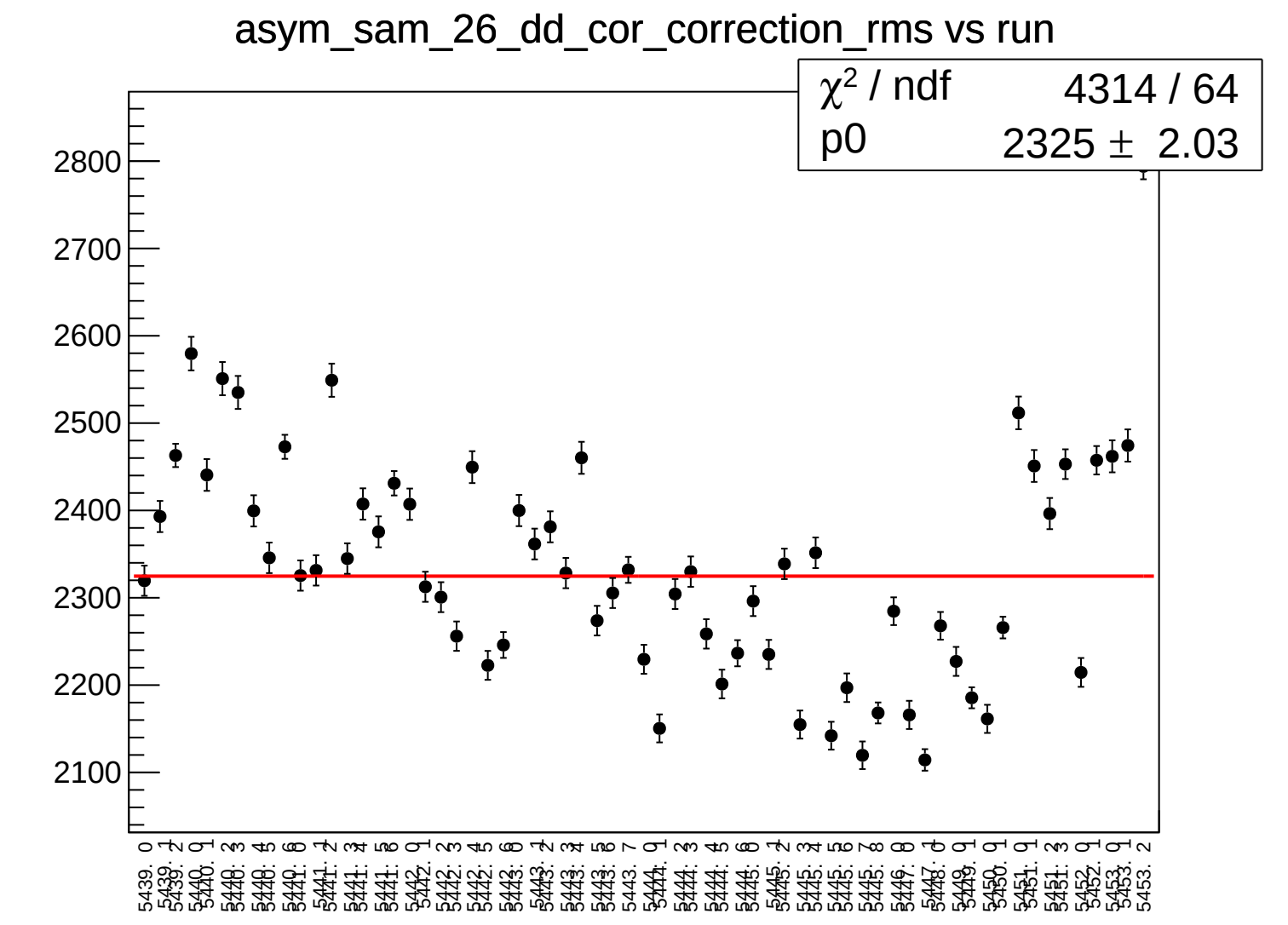

cor_asym_sam_26_dd_mean vs run
χ² / ndf 55.49 / 64
p0 609.9 ± 302.1
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −324.5
Std Dev 0
2
1
0
−1
−2
−3

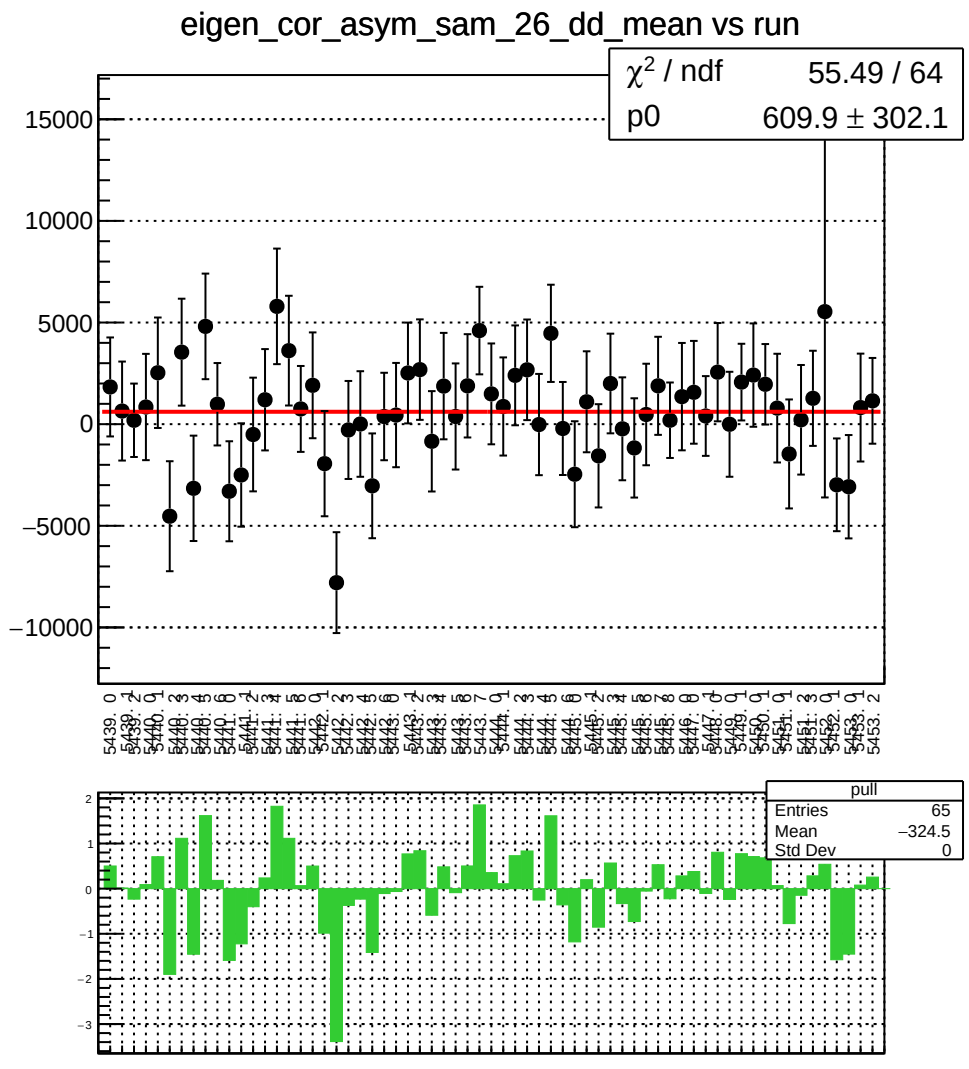

pull1D
Entries 65
Mean −0.001592
Std Dev 0.9239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

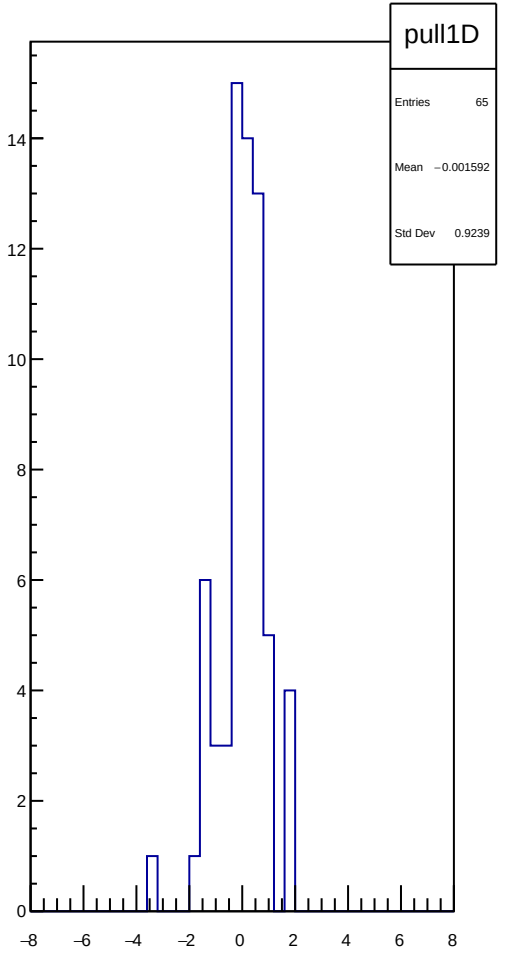

cor_asym_sam_26_dd_rms vs run
χ² / ndf 1.201e+04 / 64
p0 243.9 ± 0.2136
900
800
700
600
500
400
300
200

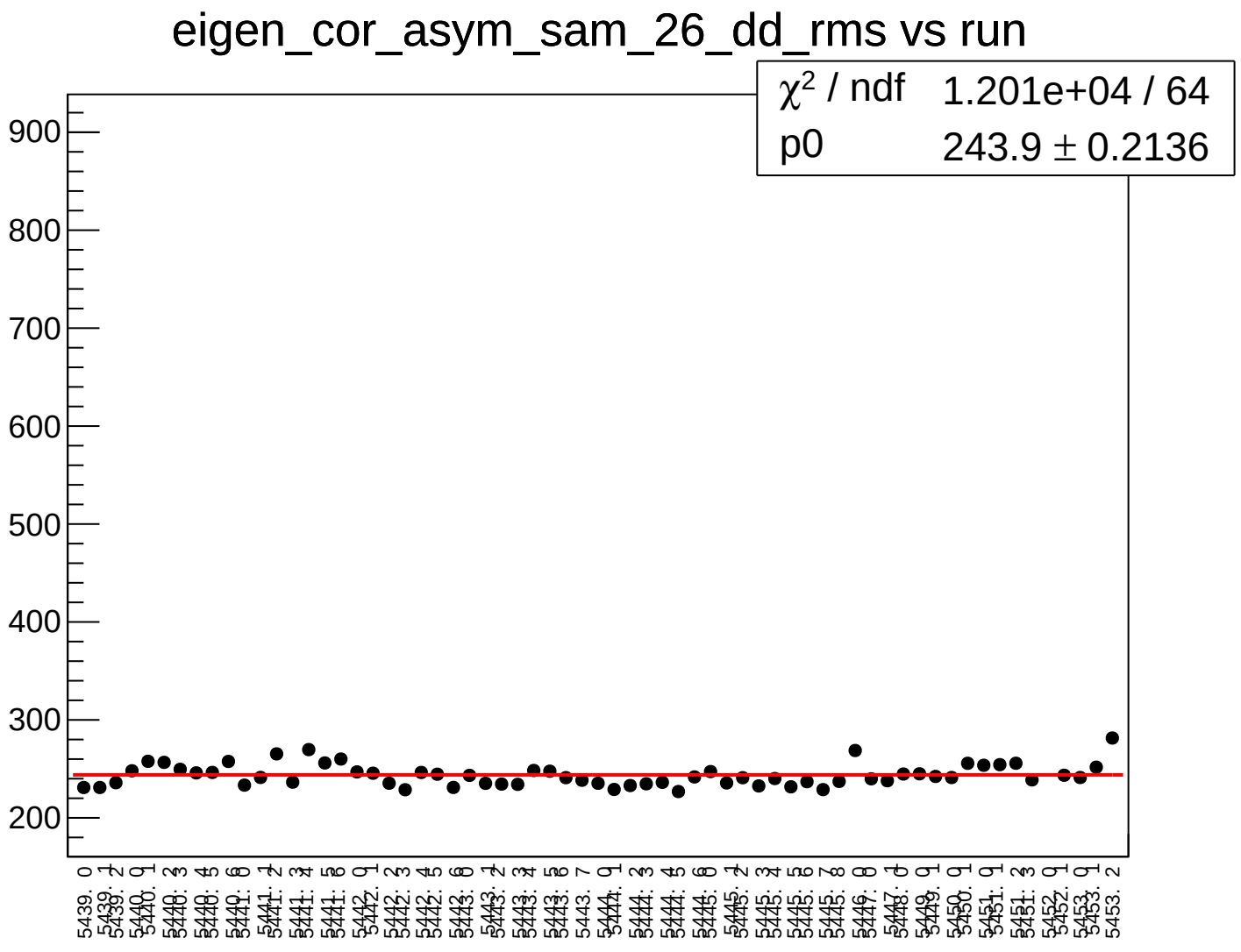

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 69.55 / 64
p0 −4450 ± 2871
100
50
0
−50
−100
pull
Entries 65
Mean −143.2
Std Dev 0
2
1
0
−1
−2

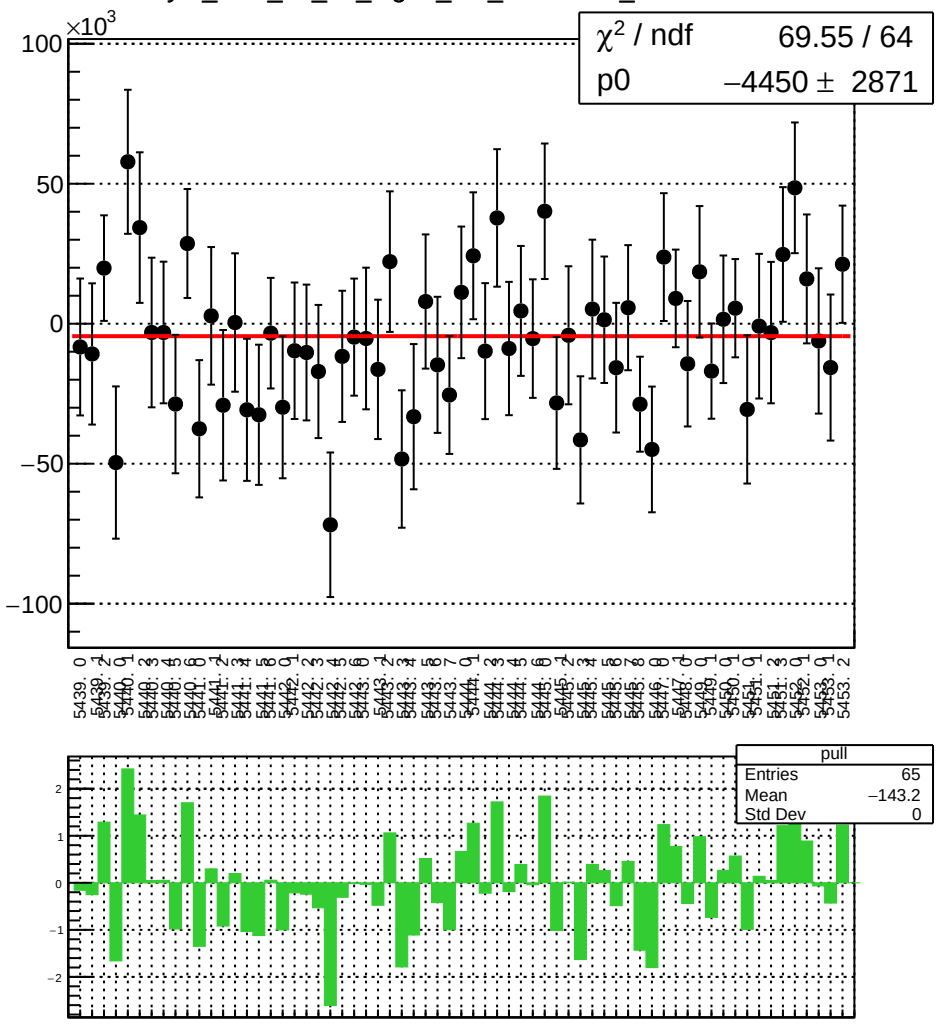

pull1D
Entries 65
Mean −0.01508
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

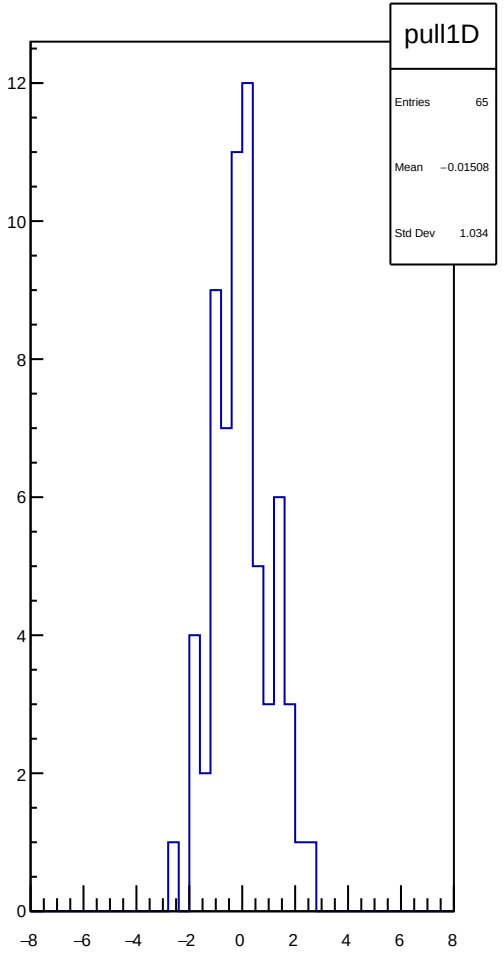

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 4314 / 64
p0 2325 ± 2.03
2800
2700
2600
2500
2400
2300
2200
2100

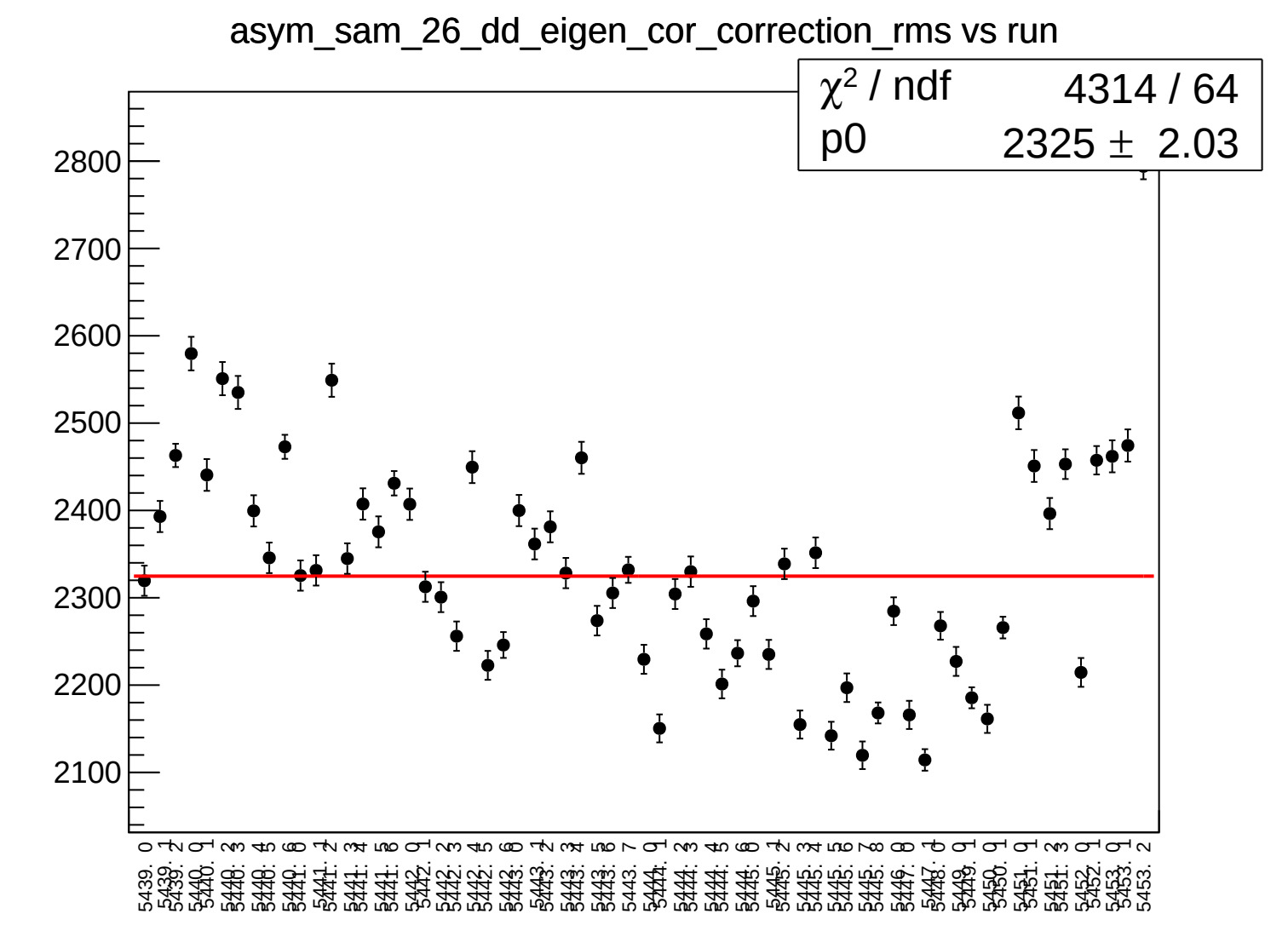

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 55.49 / 64
p0 609.9 ± 302.1
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −324.5
Std Dev 0

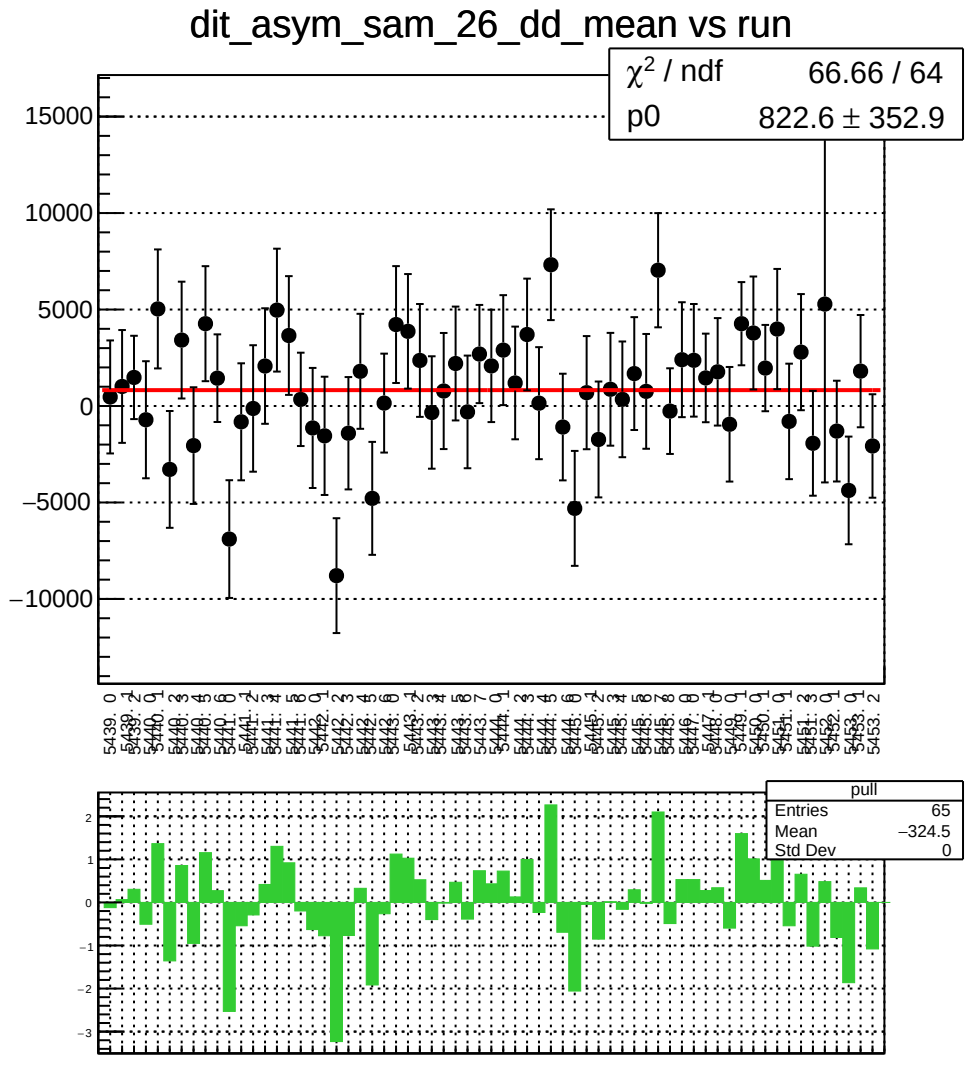

pull1D
Entries 65
Mean −0.001592
Std Dev 0.9239

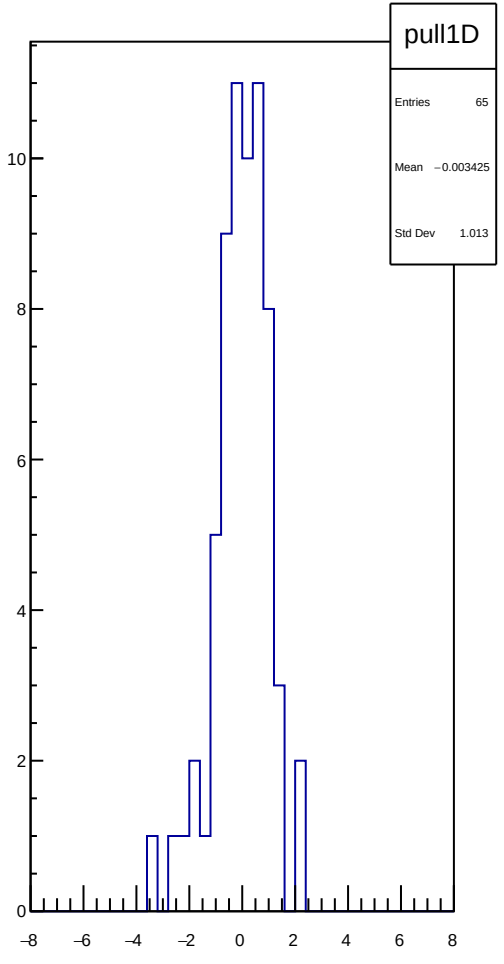

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 1.201e+04 / 64
p0 243.9 ± 0.2136
900
800
700
600
500
400
300
200

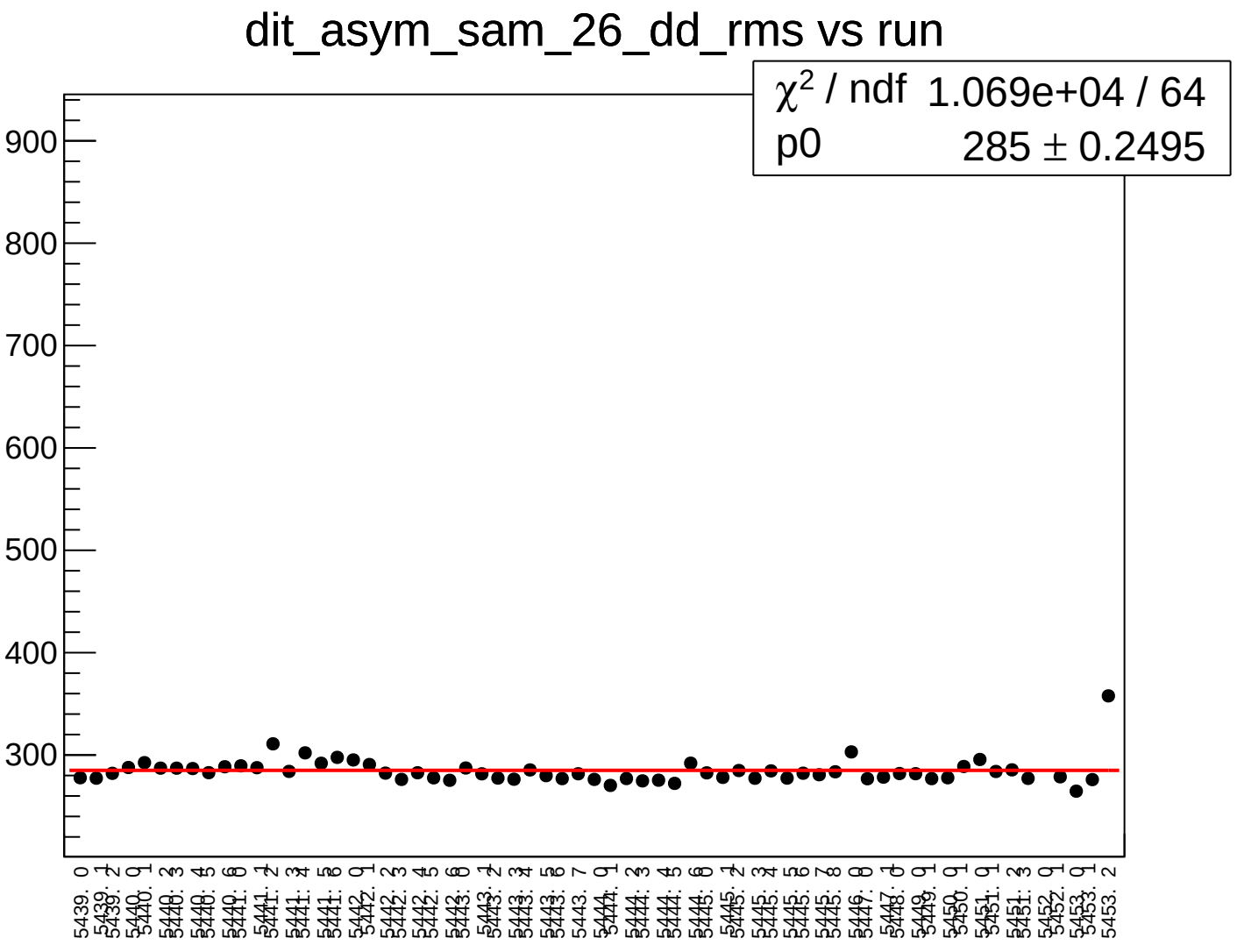

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 69.55 / 64
p0 −4450 ± 2871
pull
Entries 65
Mean −143.2
Std Dev 0

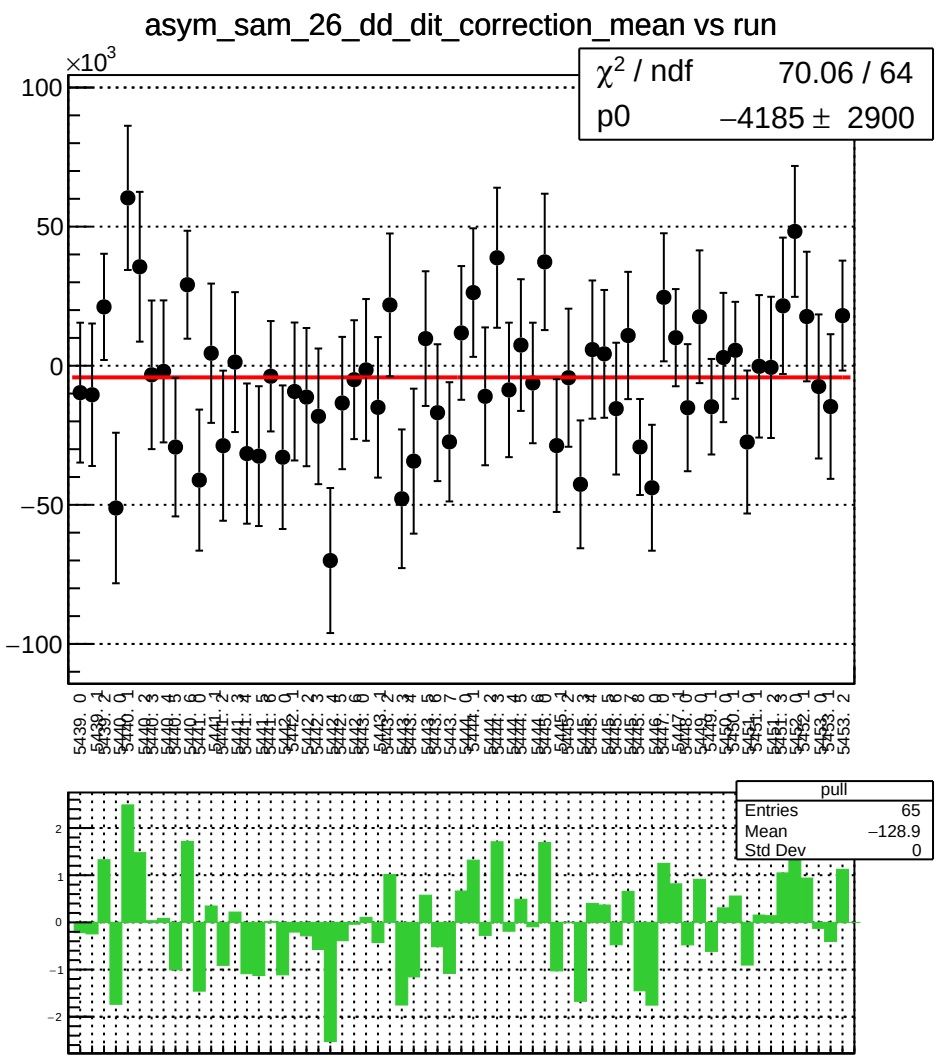

pull1D
Entries 65
Mean −0.01508
Std Dev 1.034

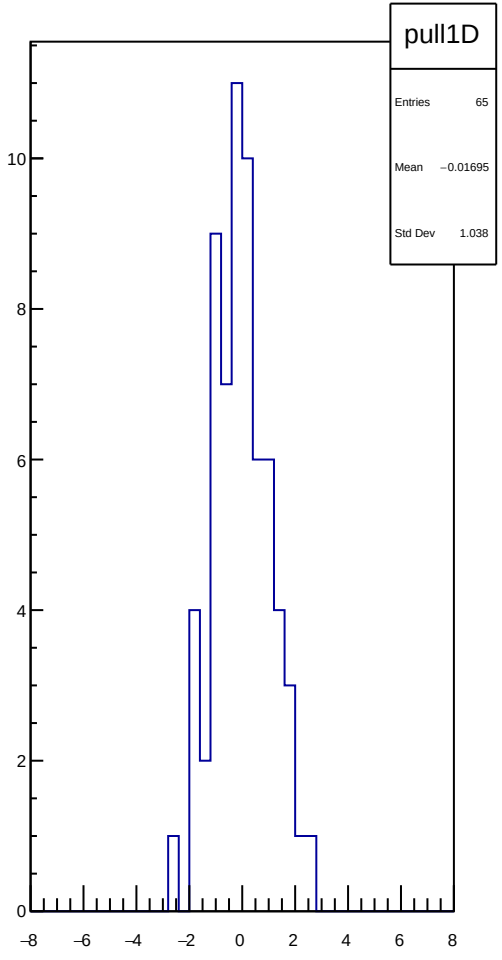

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4314 / 64
p0 2325 ± 2.03
2800
2700
2600
2500
2400
2300
2200
2100

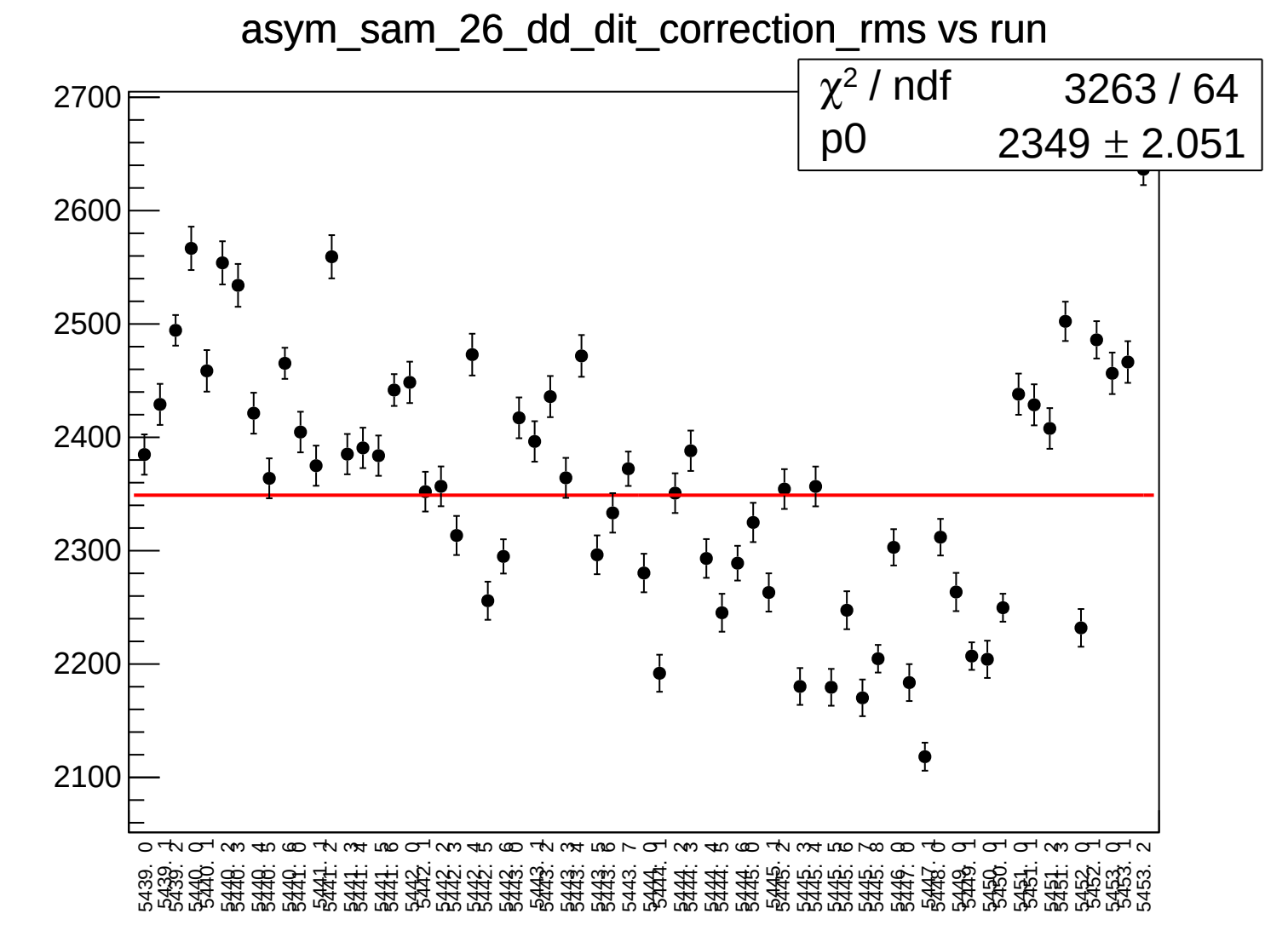

dit_asym_sam_26_dd_mean vs run
χ² / ndf 66.66 / 64
p0 822.6 ± 352.9
pull
Entries 65
Mean −324.5
Std Dev 0

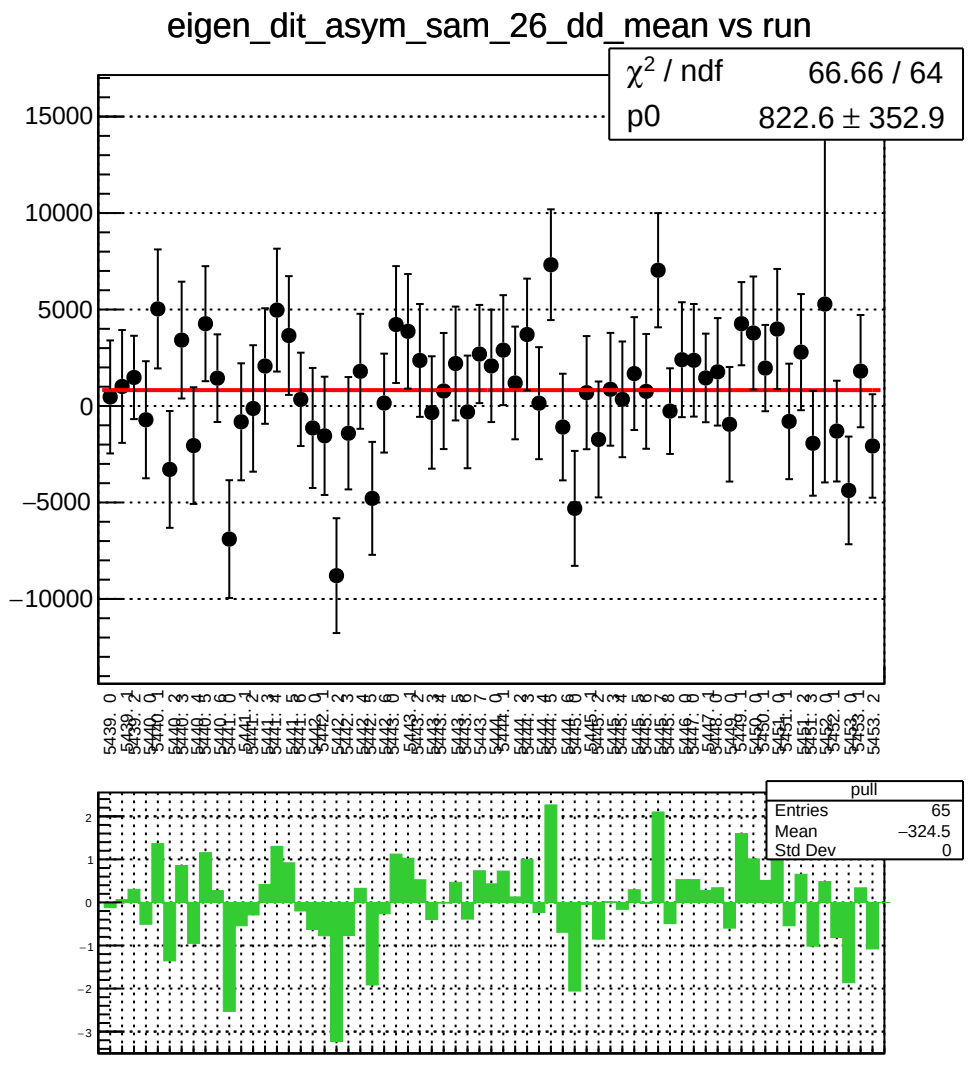

pull1D
Entries 65
Mean −0.003425
Std Dev 1.013

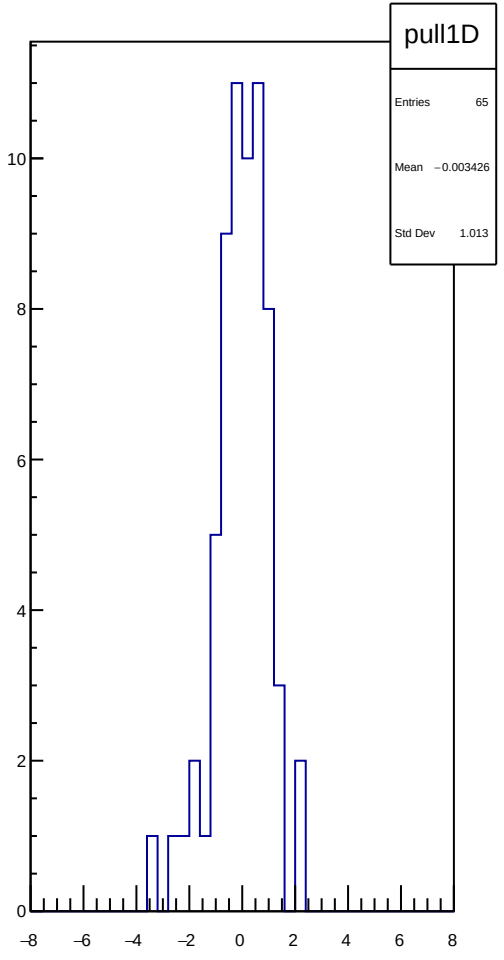

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1.069e+04 / 64
p0 285 ± 0.2495
900
800
700
600
500
400
300

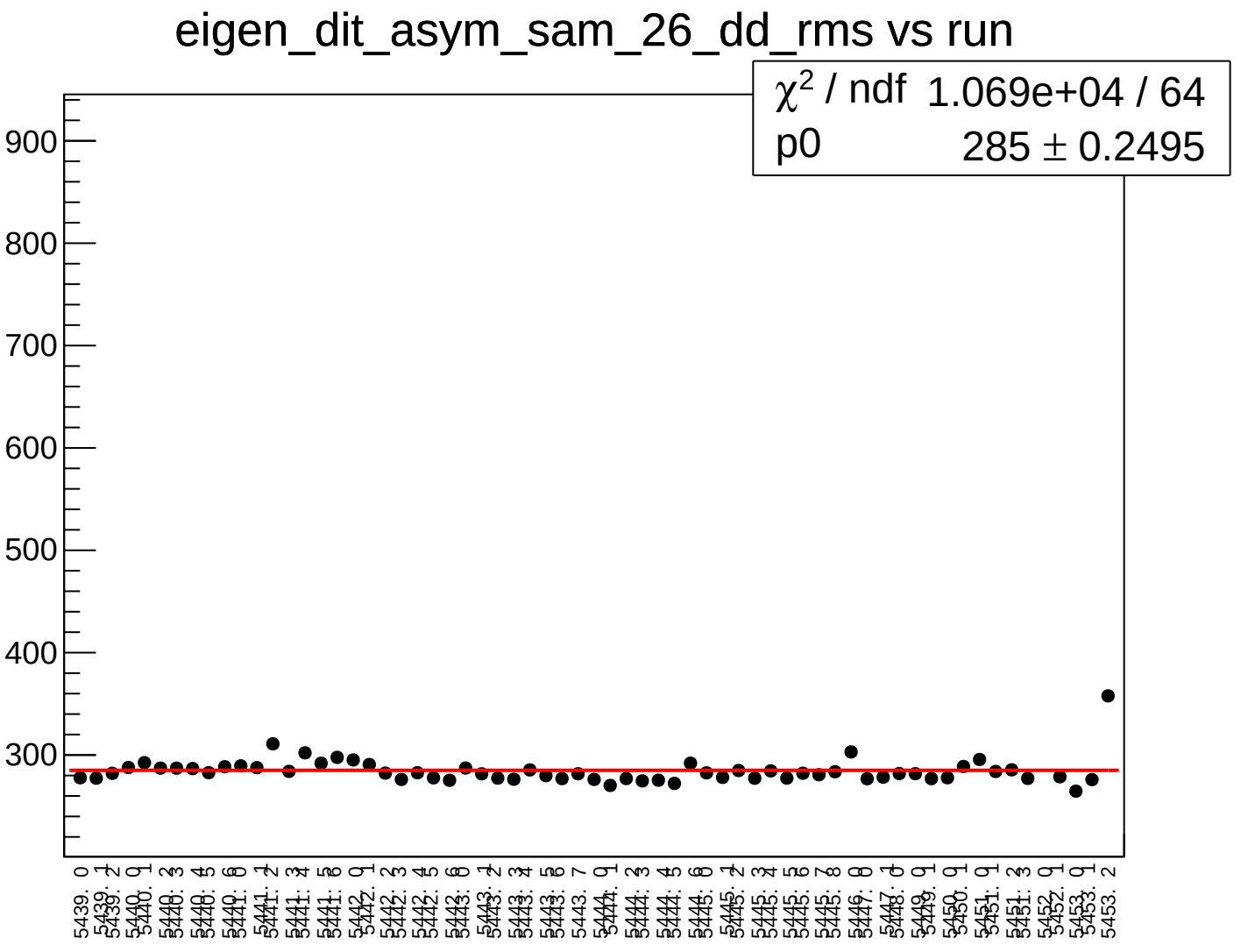

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 70.06 / 64
p0 −4185 ± 2900
100
50
0
−50
−100
pull
Entries 65
Mean −128.9
Std Dev 0
2
1
0
−1
−2

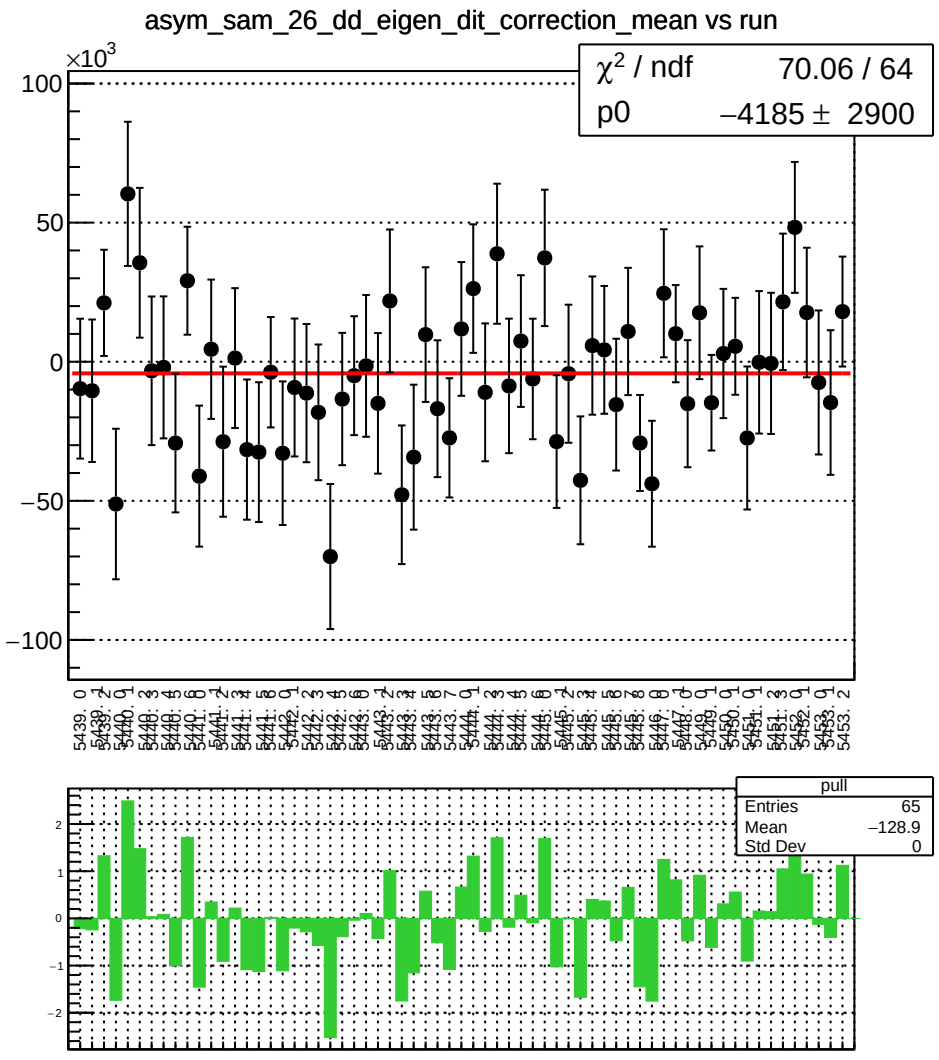

pull1D
Entries 65
Mean −0.01695
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

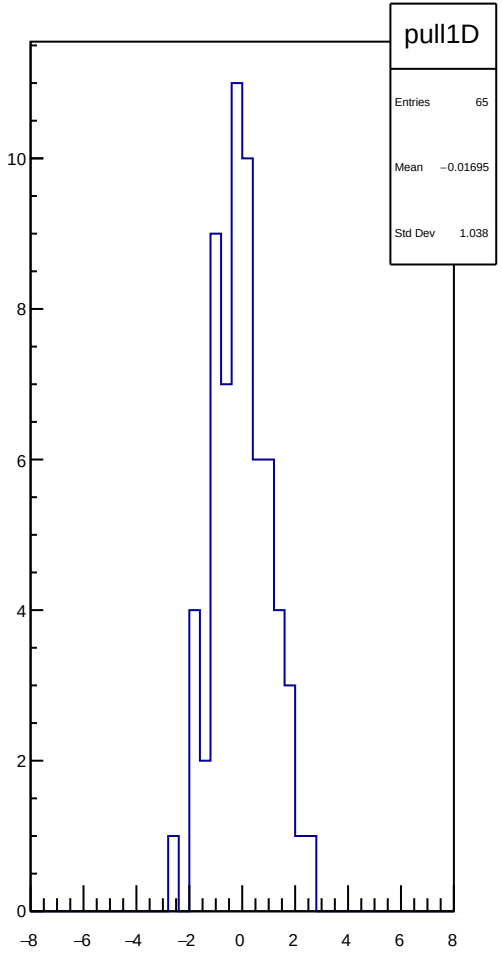

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 3263 / 64
p0 2349 ± 2.051
2700
2600
2500
2400
2300
2200
2100
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

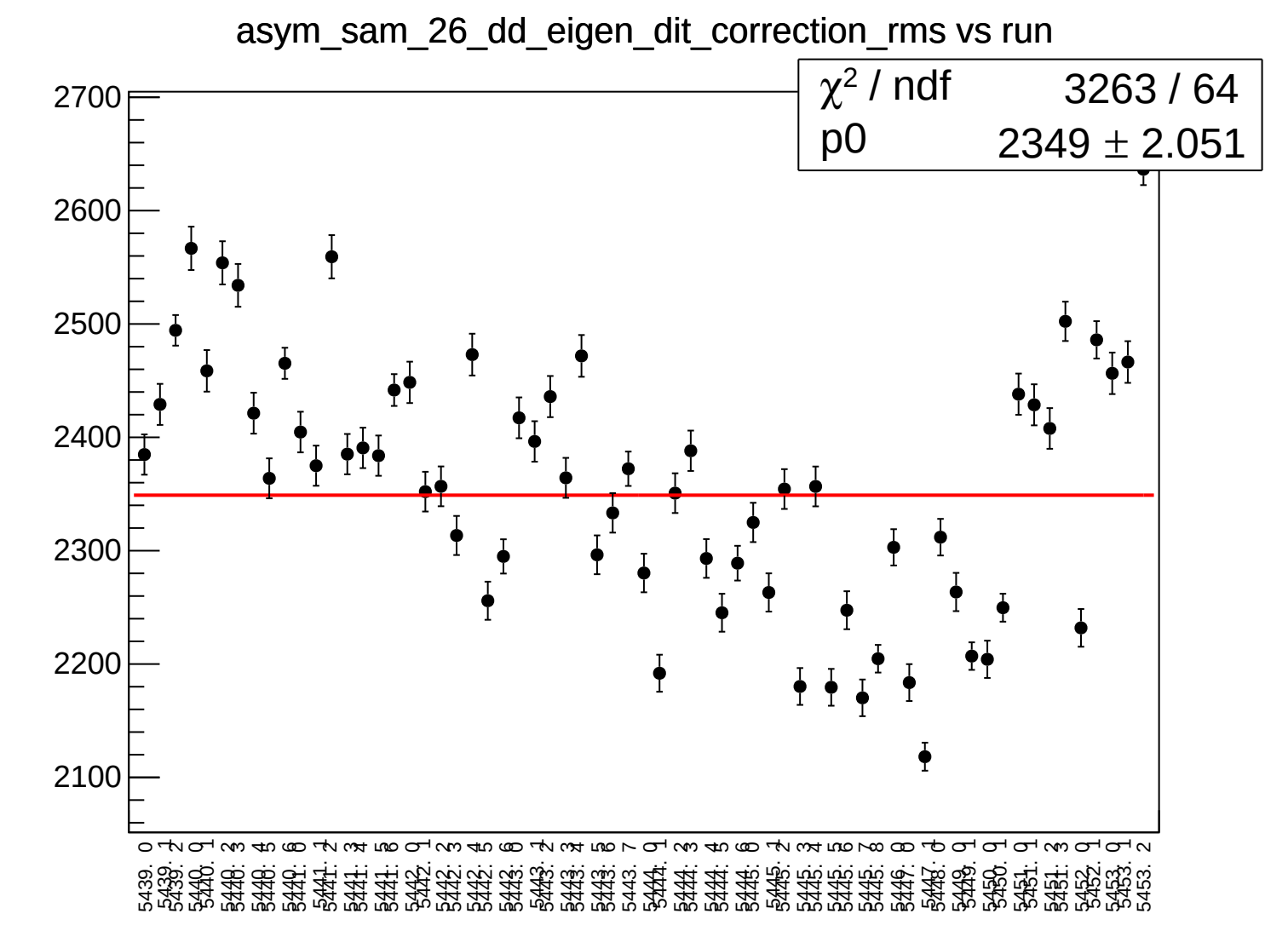

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 66.66 / 64
p0 822.6 ± 352.9
15000
10000
5000
0
−5000
−10000
pull
Entries 65
Mean −324.5
Std Dev 0
2
1
0
−1
−2
−3

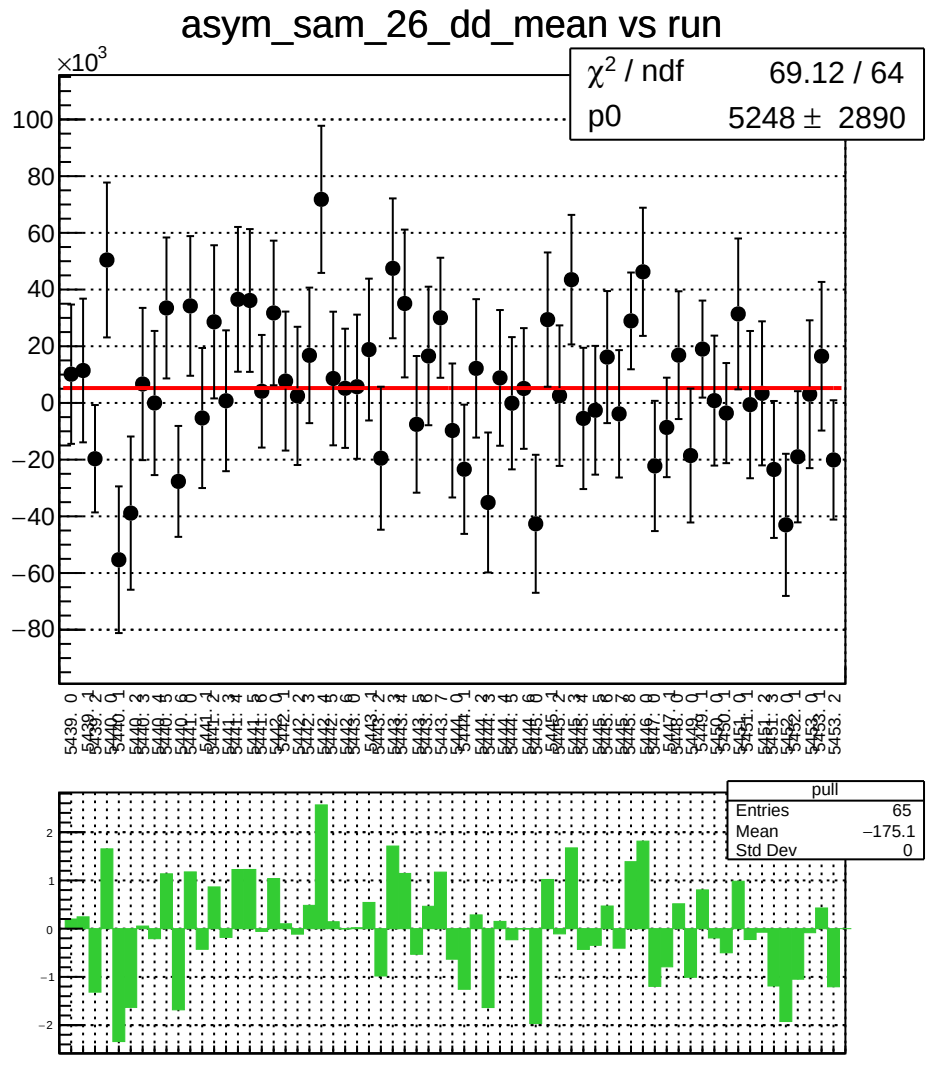

pull1D
Entries 65
Mean −0.003426
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

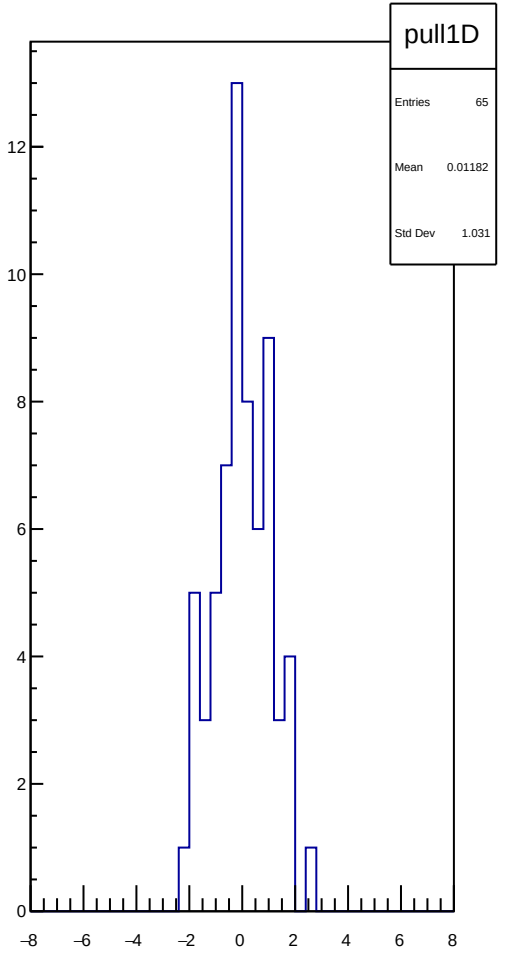

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 1.069e+04 / 64
p0 285 ± 0.2495
900
800
700
600
500
400
300

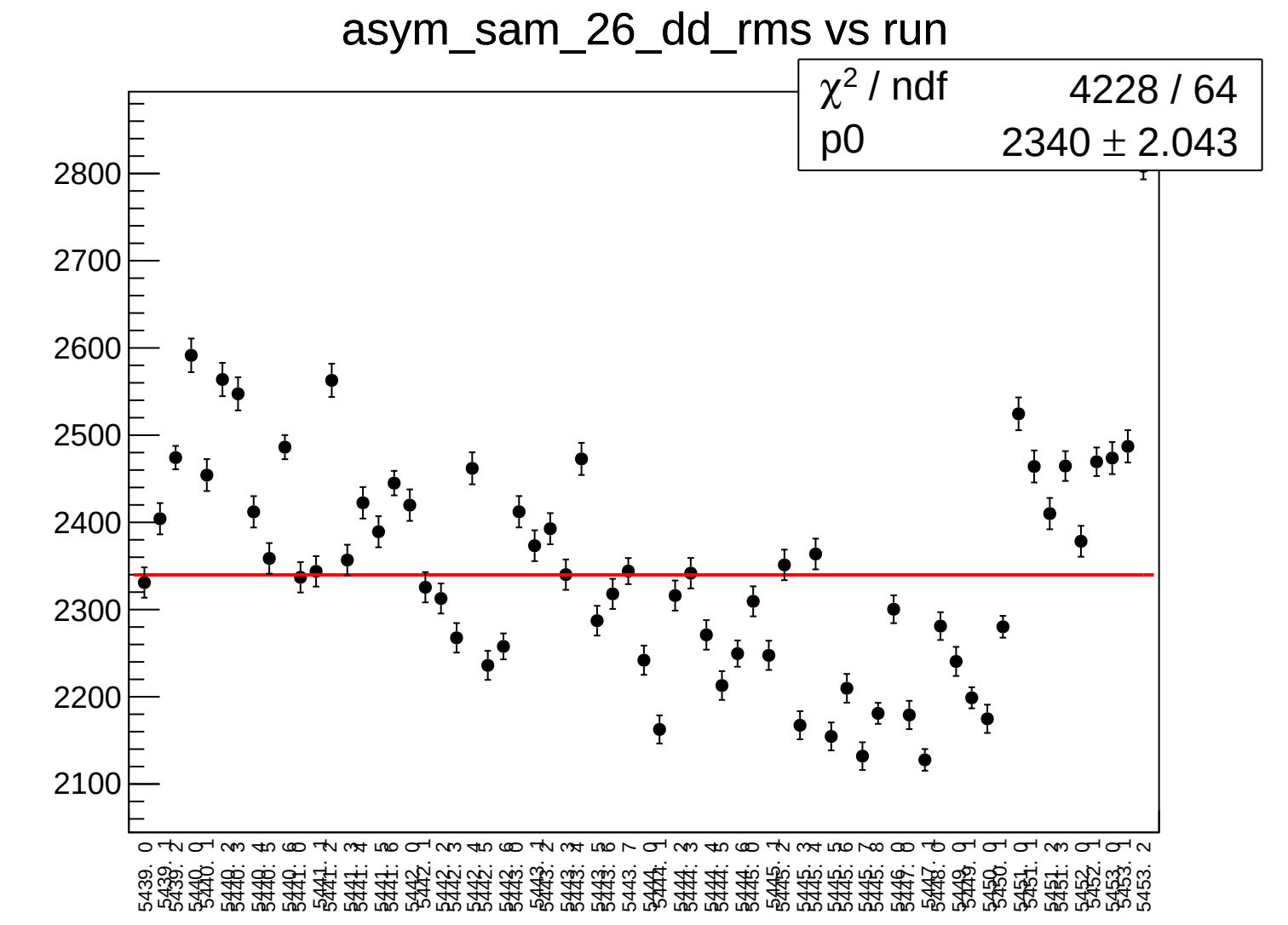

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 70.06 / 64
p0 −4185 ± 2900
100
50
0
−50
−100
pull
Entries 65
Mean −128.9
Std Dev 0
2
1
0
−1
−2

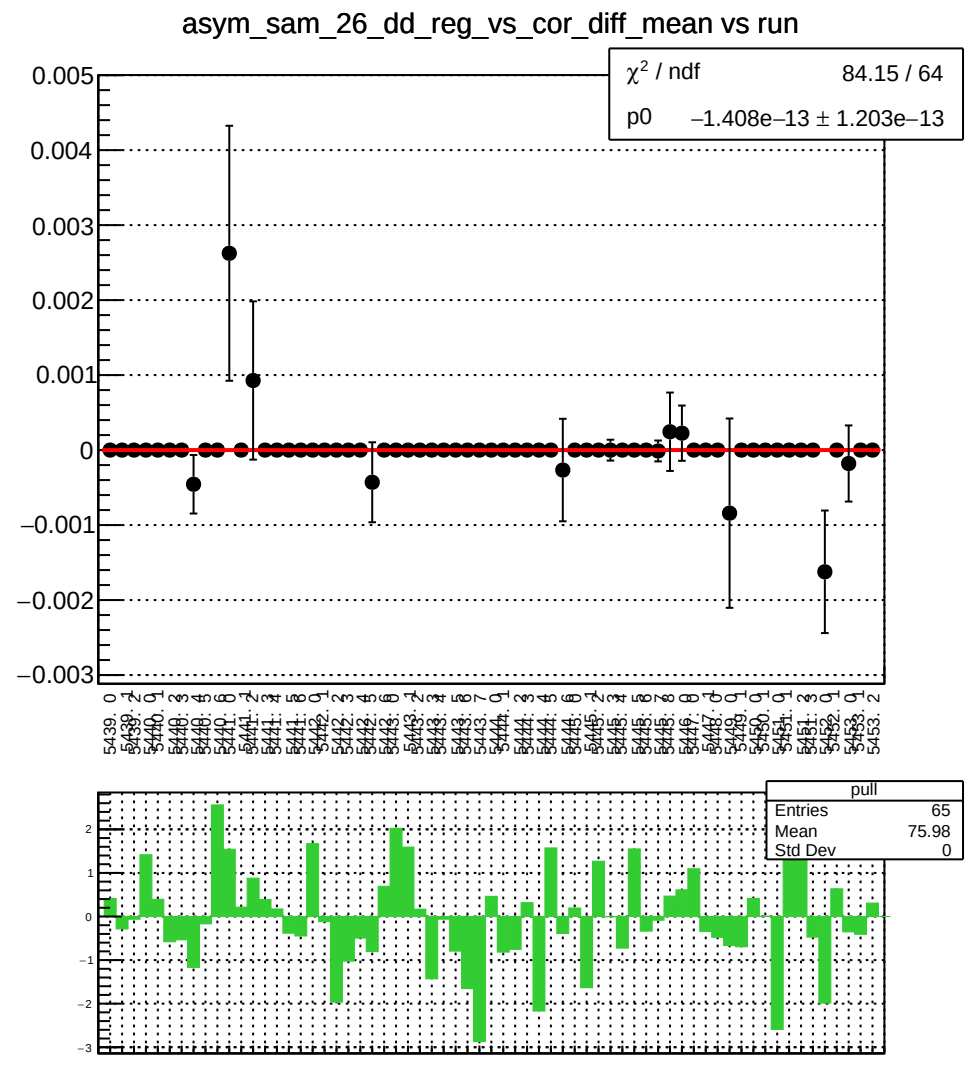

pull1D
Entries 65
Mean −0.01695
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

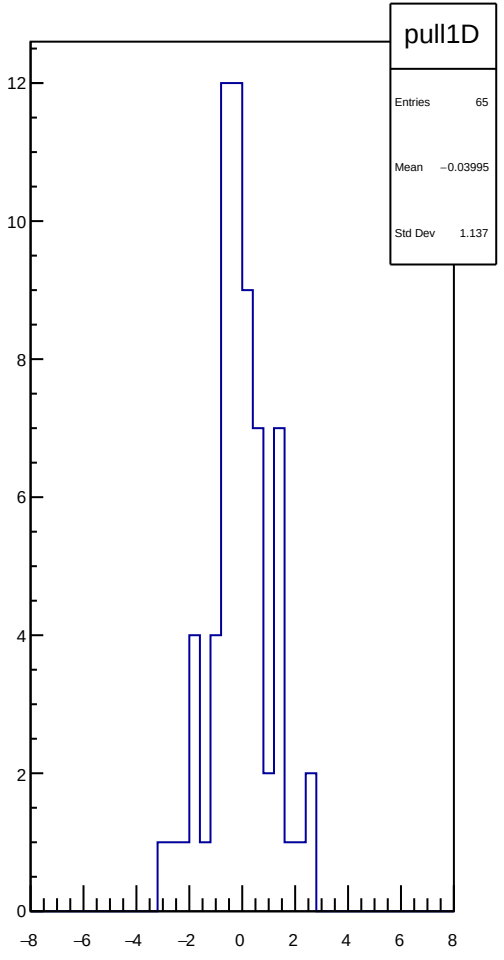

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3263 / 64
p0 2349 ± 2.051
2700
2600
2500
2400
2300
2200
2100
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5451. 0
5451. 1
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

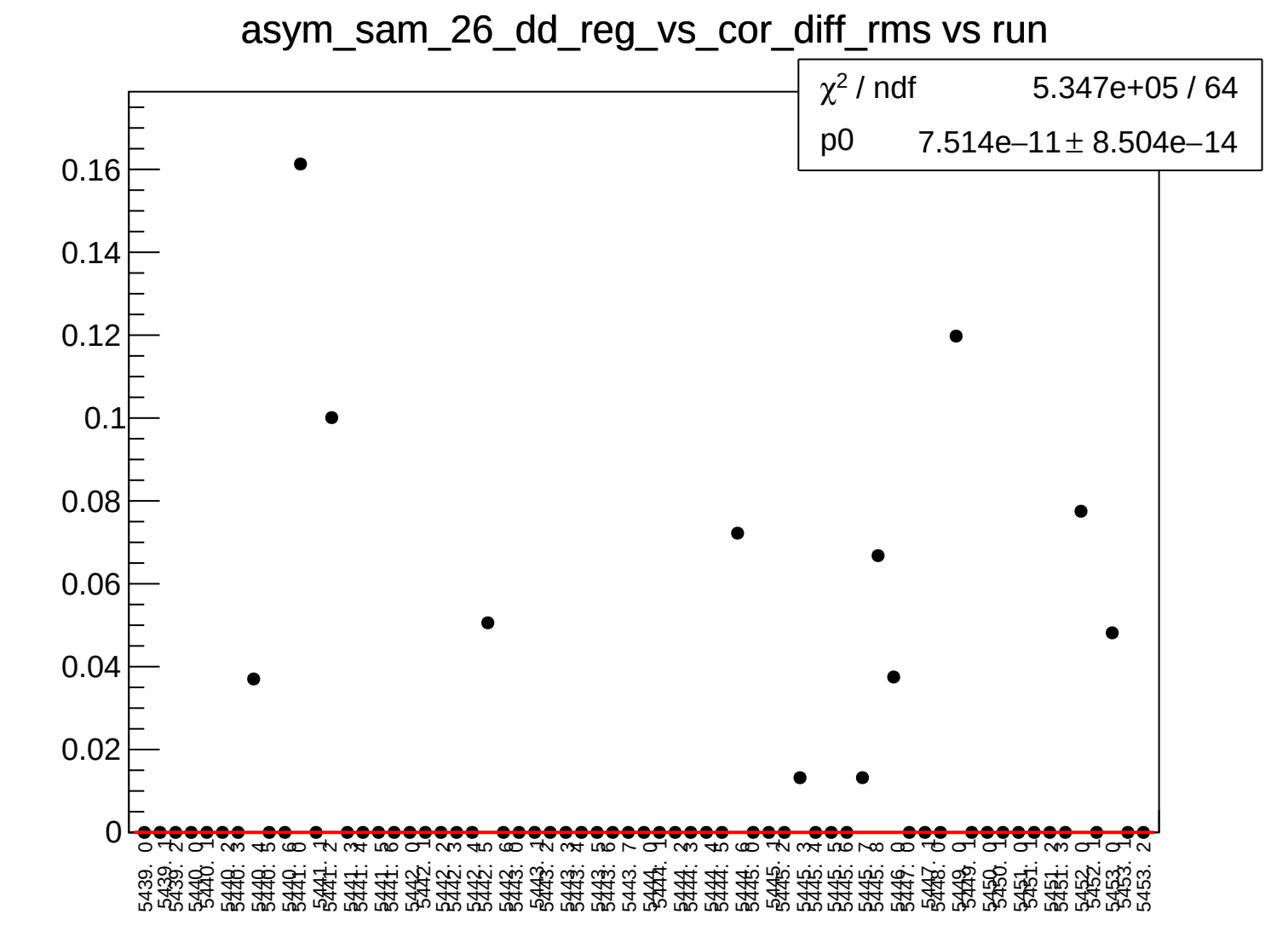

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 69.12 / 64
p0 5248 ± 2890
pull
Entries 65
Mean −175.1
Std Dev 0

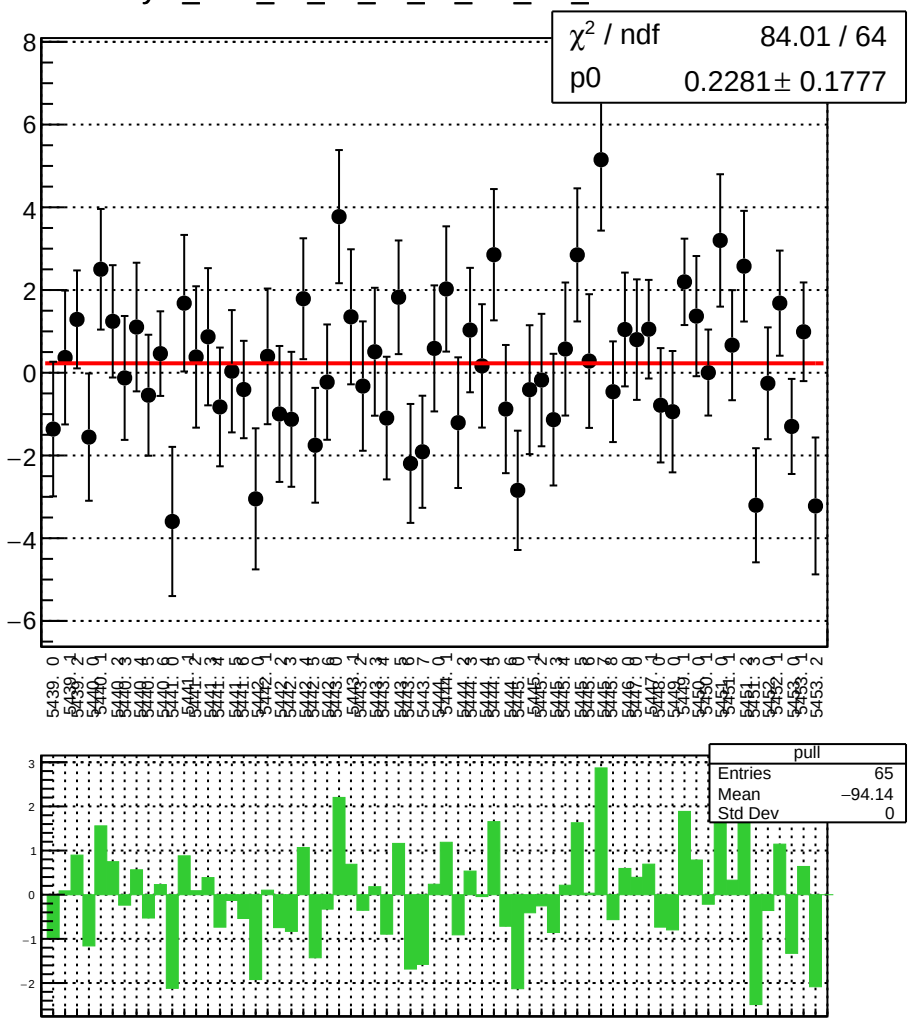

pull1D
Entries 65
Mean 0.01182
Std Dev 1.031

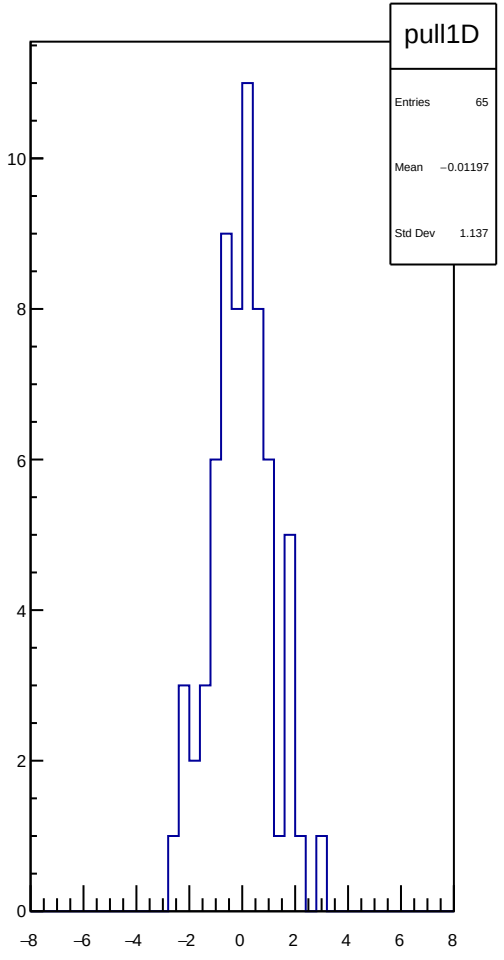

asym_sam_26_dd_rms vs run
χ² / ndf 4228 / 64
p0 2340 ± 2.043
2800
2700
2600
2500
2400
2300
2200
2100

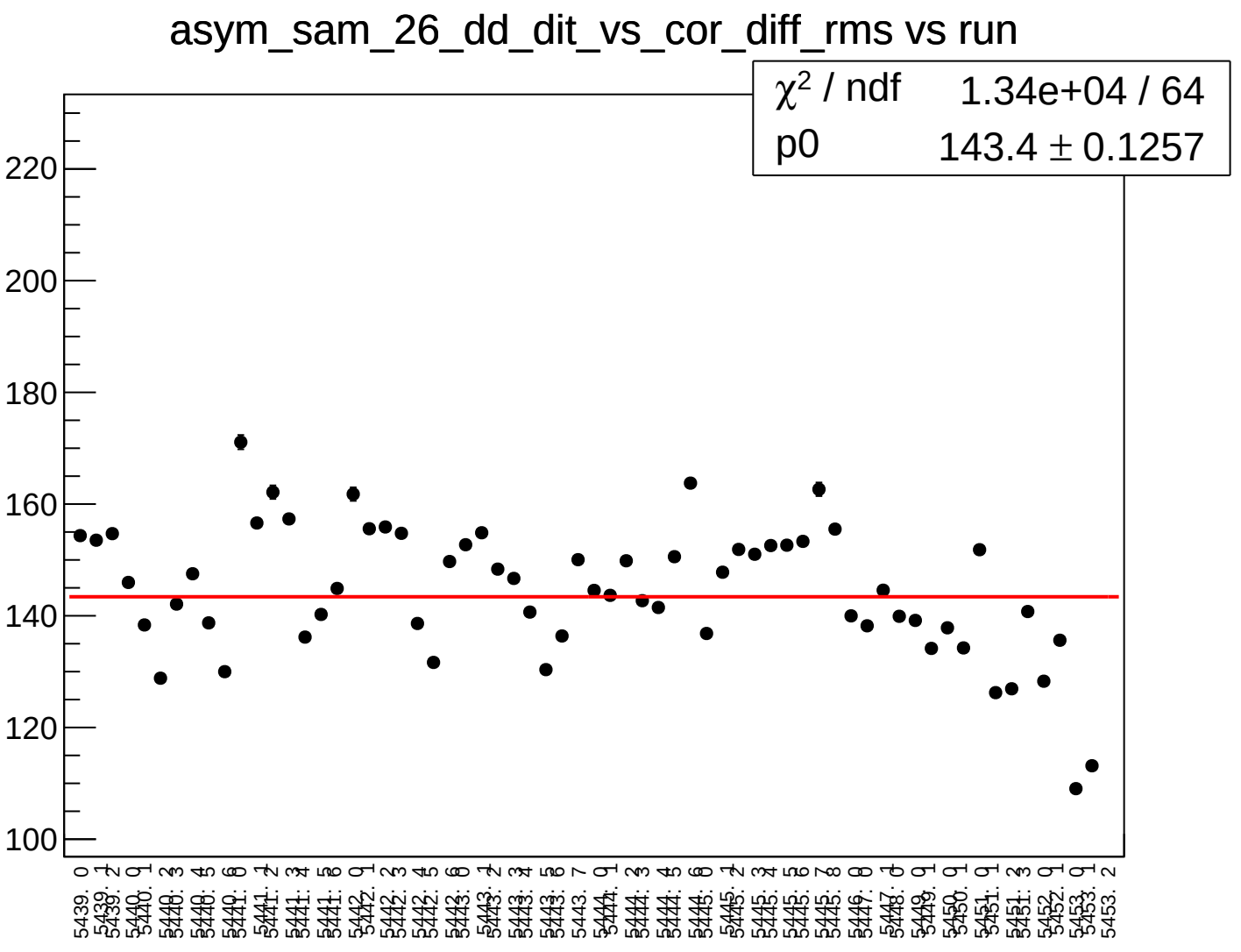

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.15 / 64
p0 −1.408e−13 ± 1.203e−13
pull
Entries 65
Mean 75.98
Std Dev 0

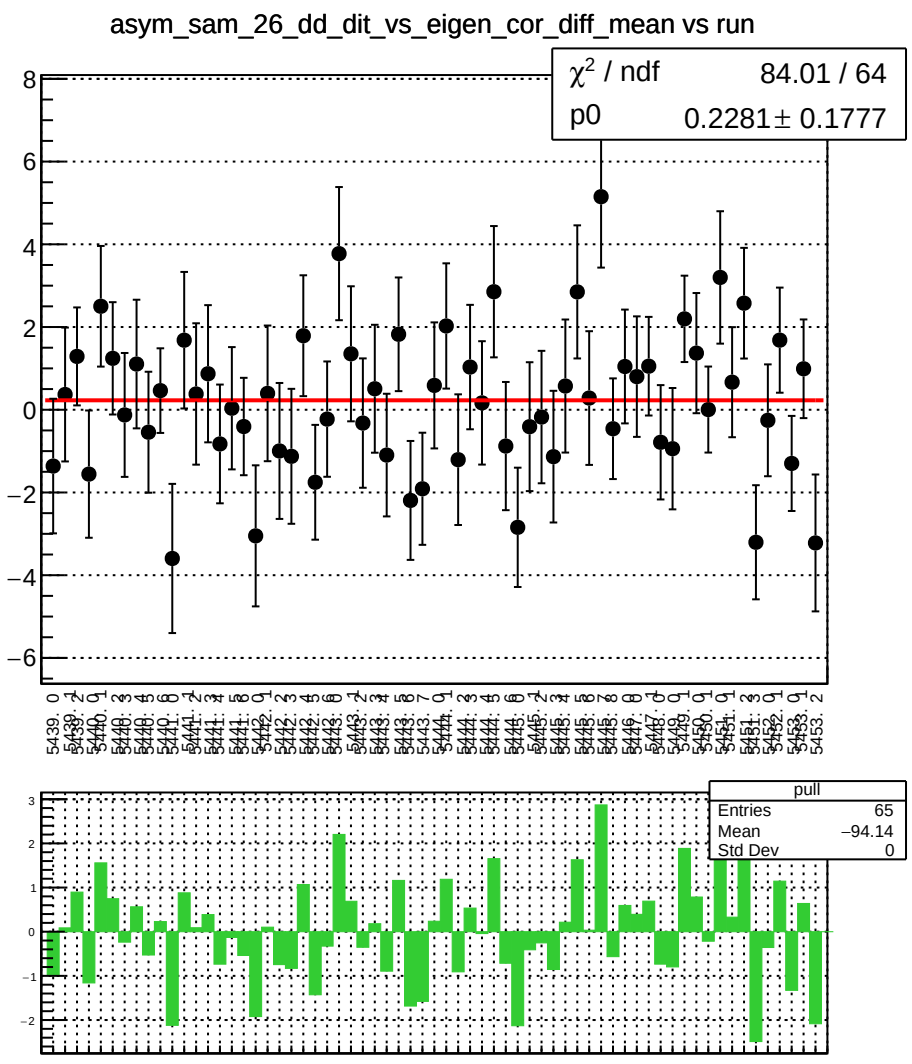

pull1D
Entries 65
Mean −0.03995
Std Dev 1.137

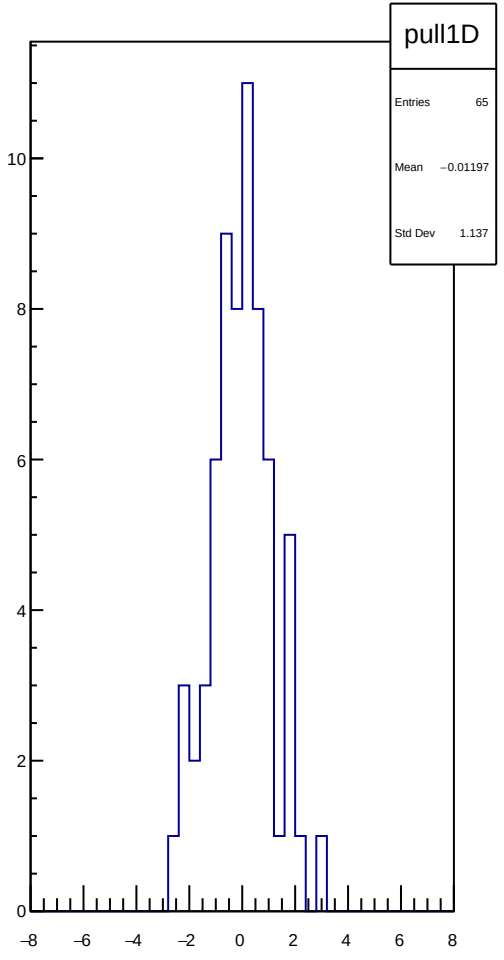

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.347e+05 / 64
p0 7.514e−11 ± 8.504e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

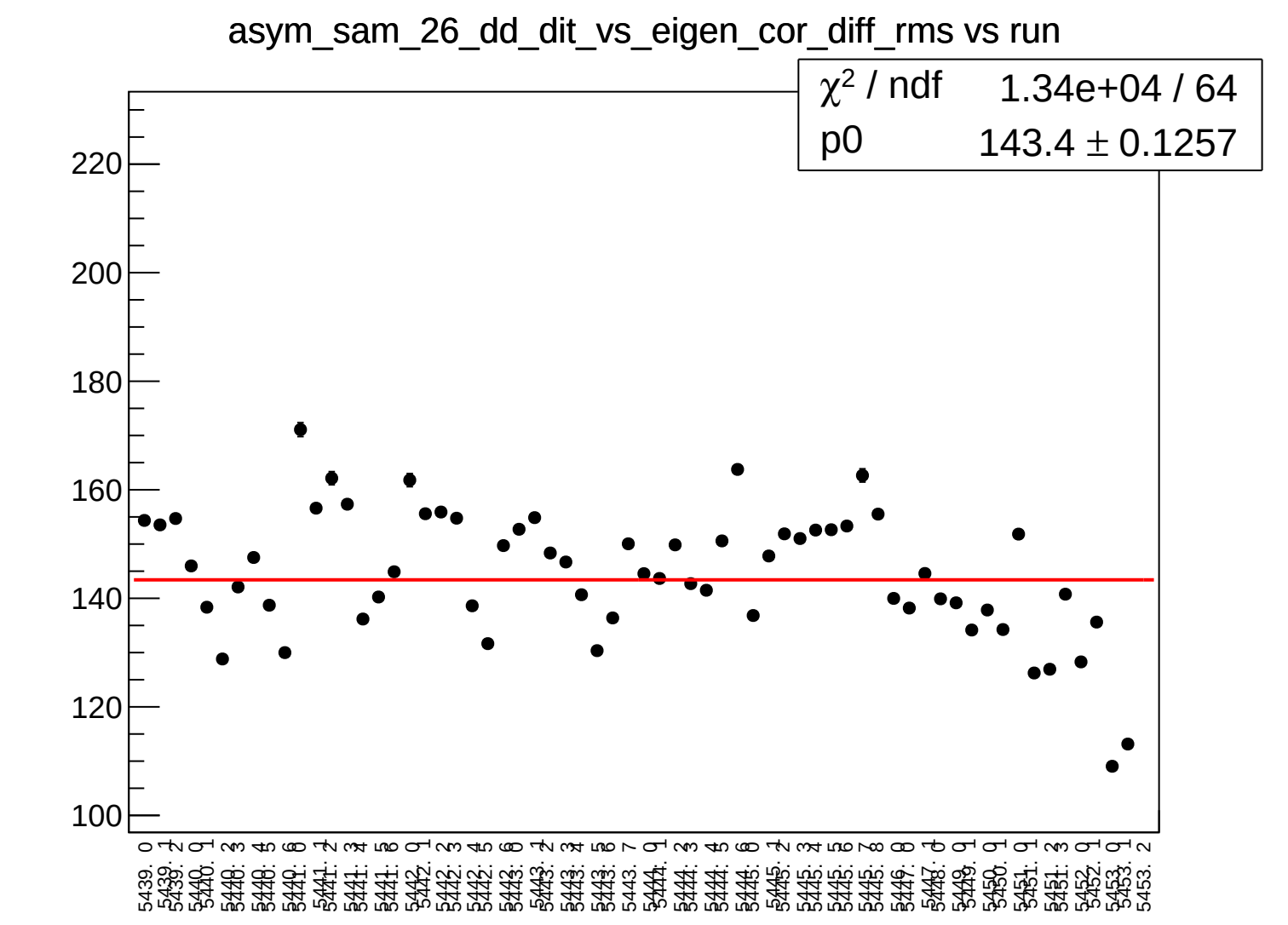

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 84.01 / 64
p0 0.2281 ± 0.1777
pull
Entries 65
Mean −94.14
Std Dev 0

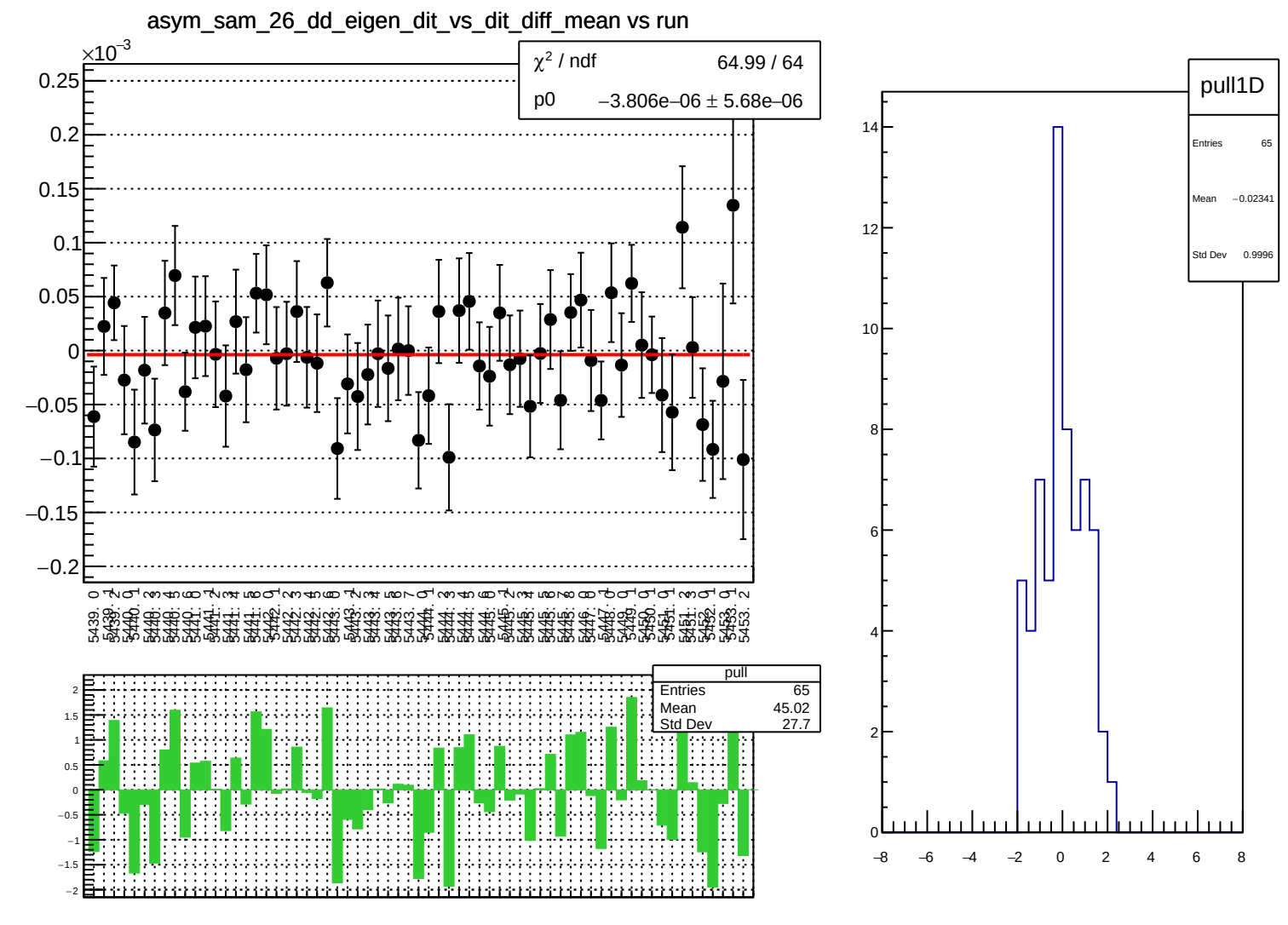

pull1D
Entries 65
Mean −0.01197
Std Dev 1.137

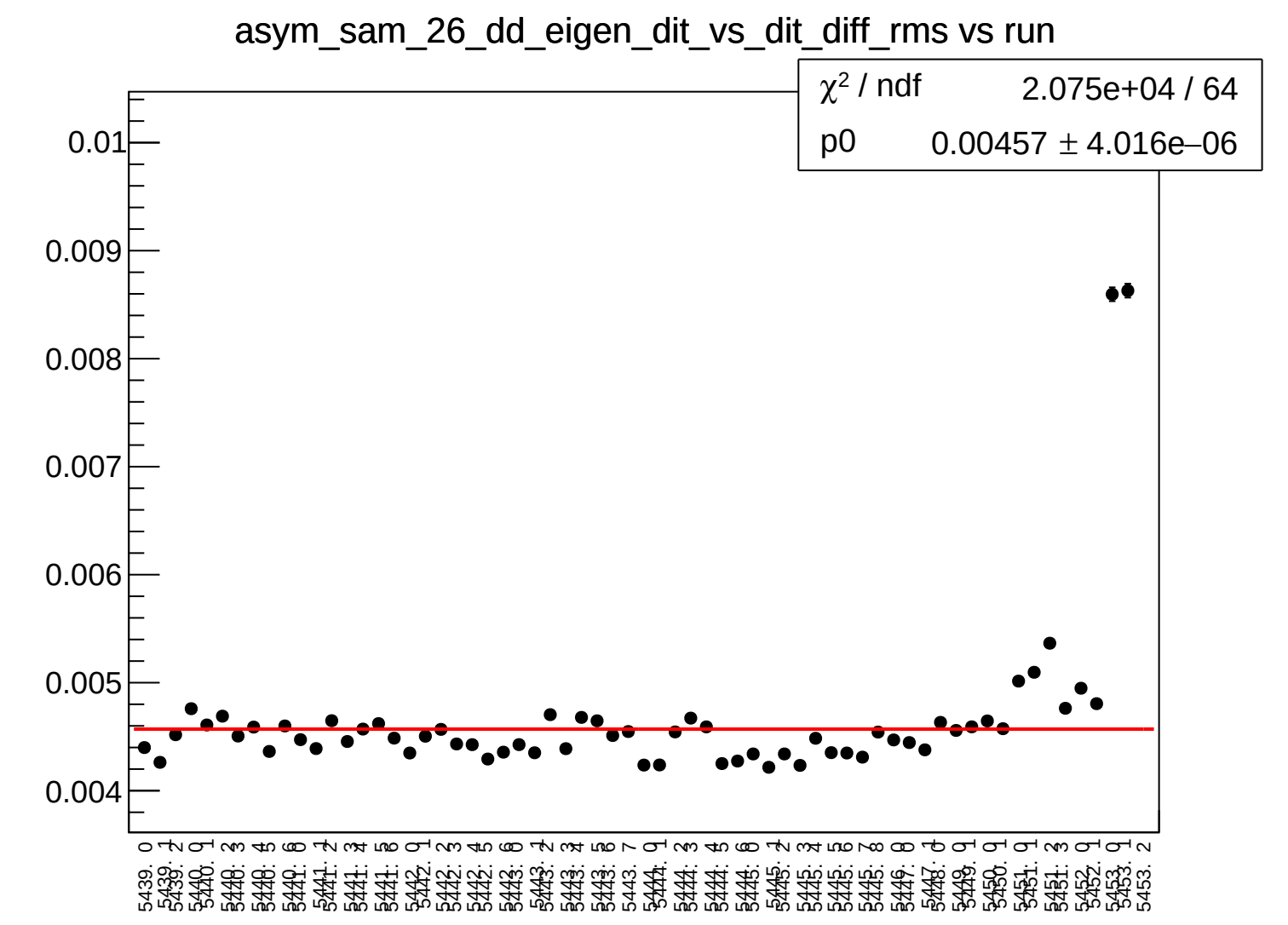

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.34e+04 / 64
p0 143.4 ± 0.1257
220
200
180
160
140
120
100

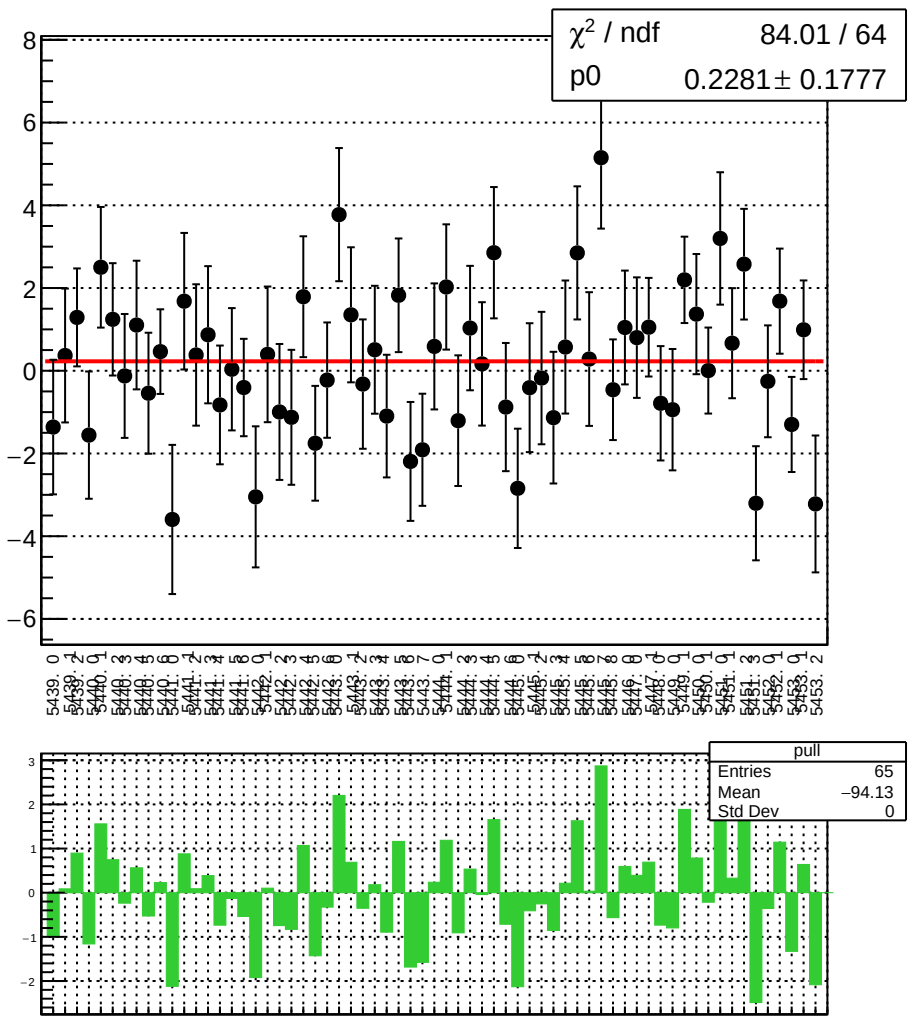

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.01 / 64
p0 0.2281± 0.1777
pull
Entries 65
Mean −94.14
Std Dev 0

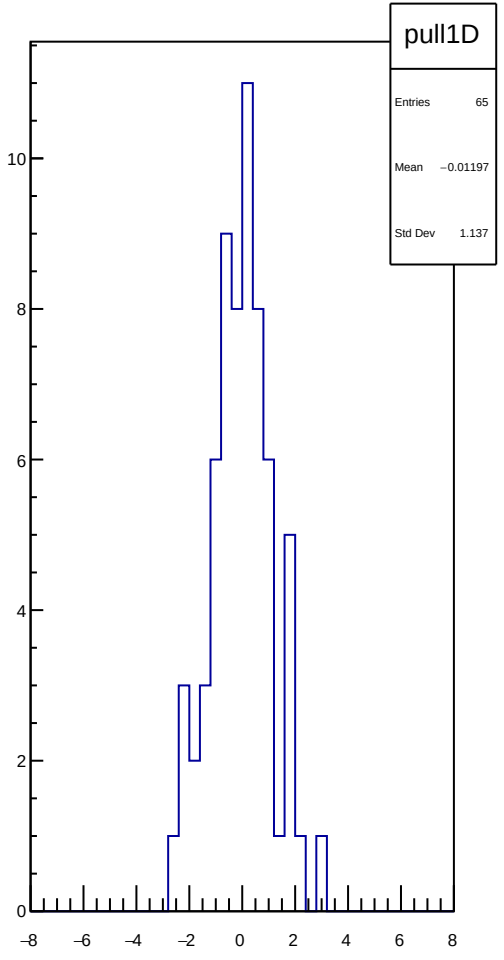

pull1D
Entries 65
Mean −0.01197
Std Dev 1.137

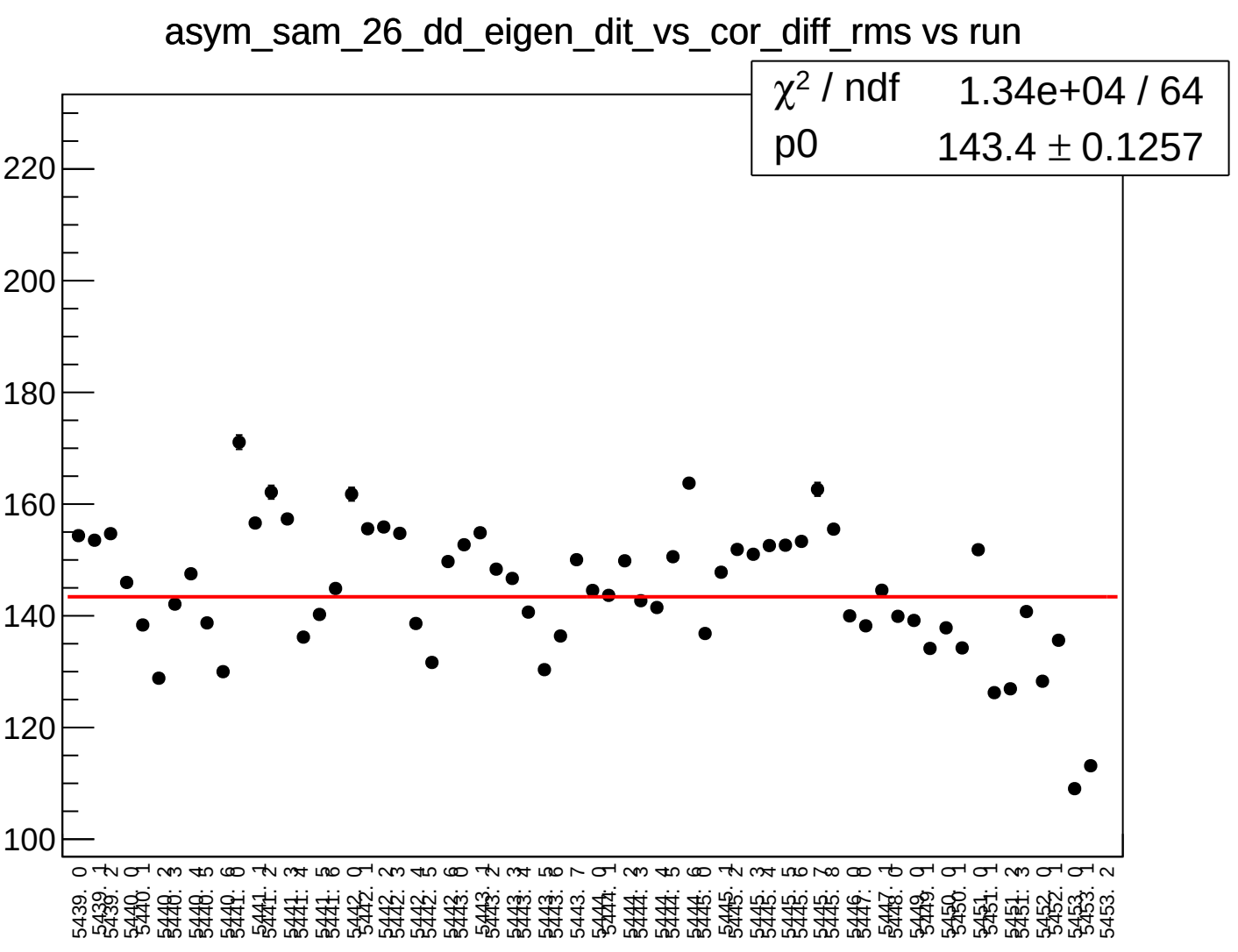

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.34e+04 / 64
p0 143.4 ± 0.1257
220
200
180
160
140
120
100


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.99 / 64
p0 −3.806e−06 ± 5.68e−06
pull
Entries 65
Mean 45.02
Std Dev 27.7
pull1D
Entries 65
Mean −0.02341
Std Dev 0.9996

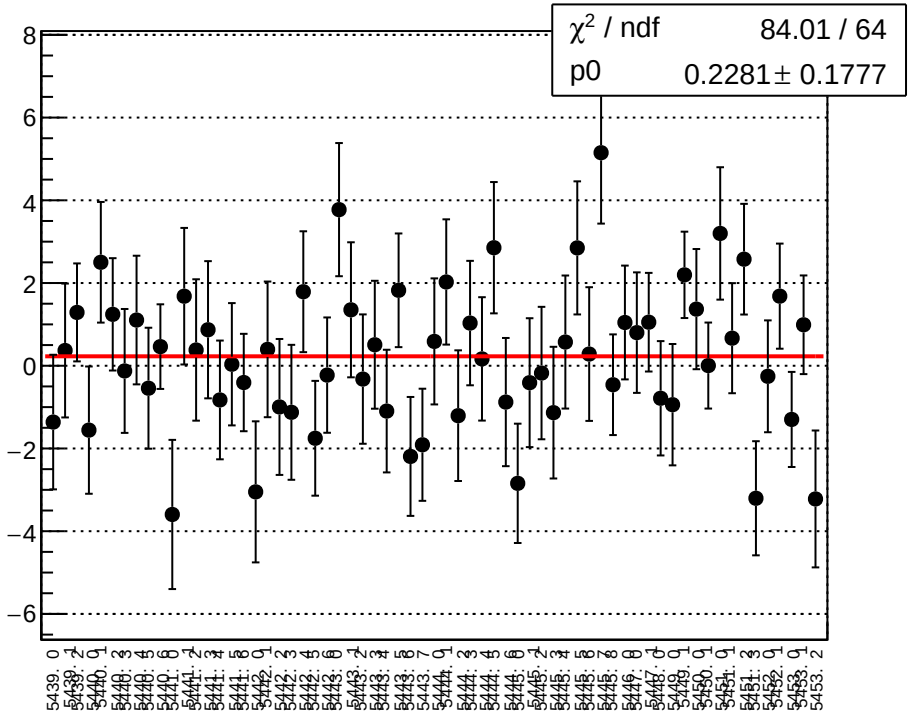

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.075e+04 / 64
p0 0.00457 ± 4.016e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

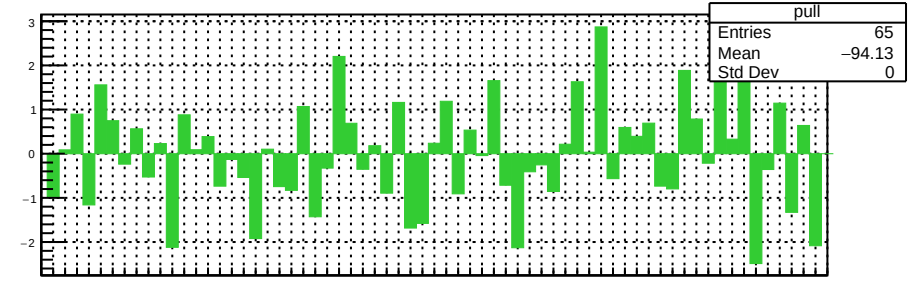

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.01 / 64
p0 0.2281± 0.1777
pull
Entries 65
Mean −94.13
Std Dev 0

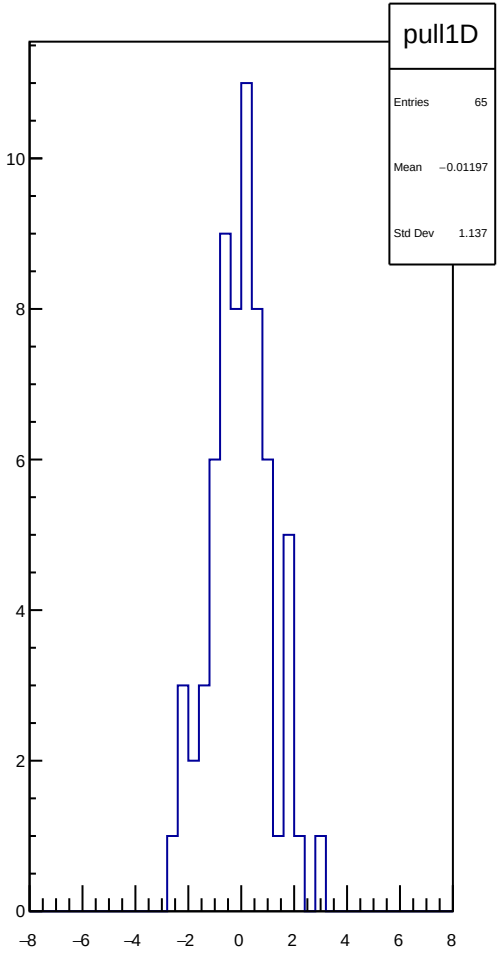

pull1D
Entries 65
Mean −0.01197
Std Dev 1.137

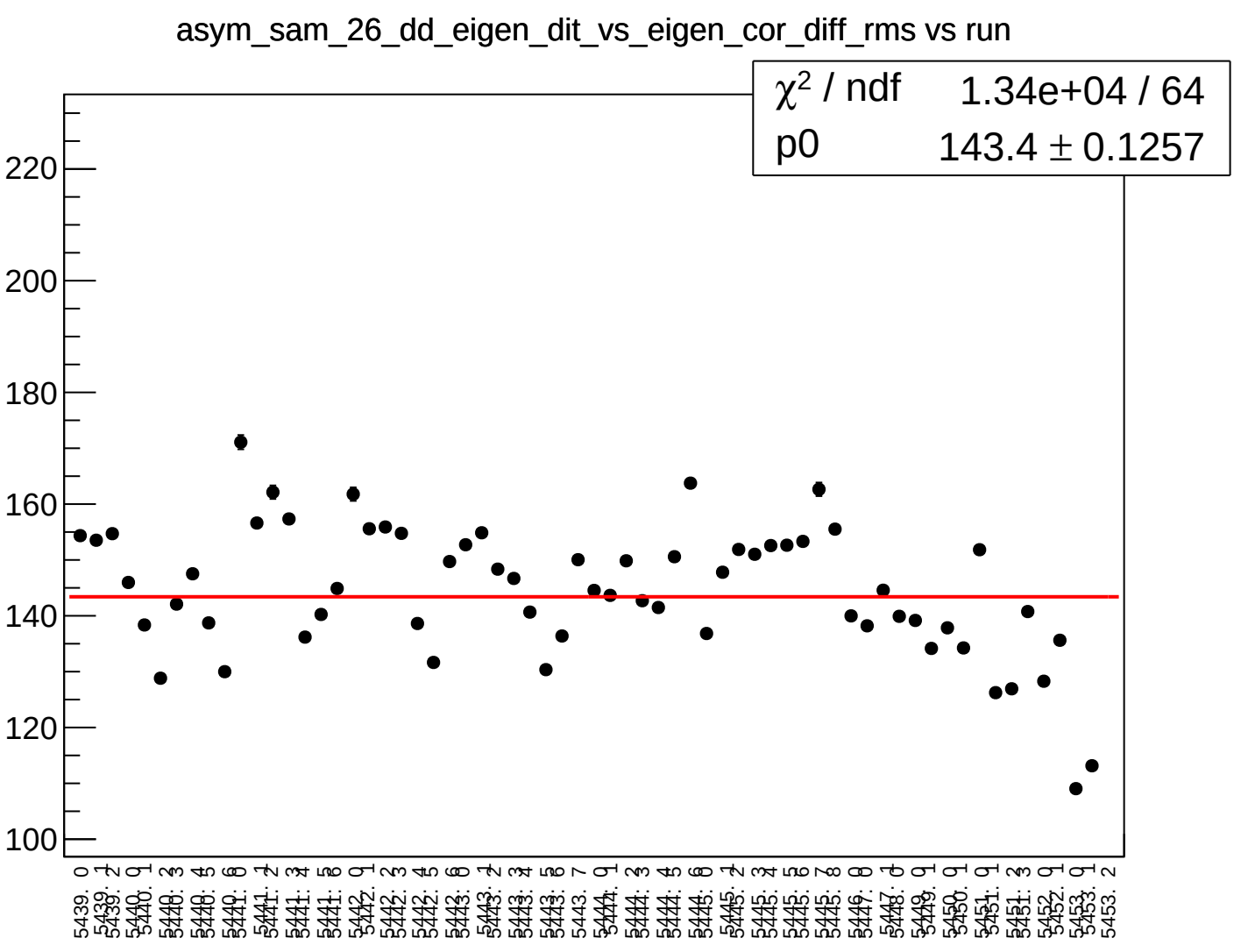

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.34e+04 / 64
p0 143.4 ± 0.1257
220
200
180
160
140
120
100

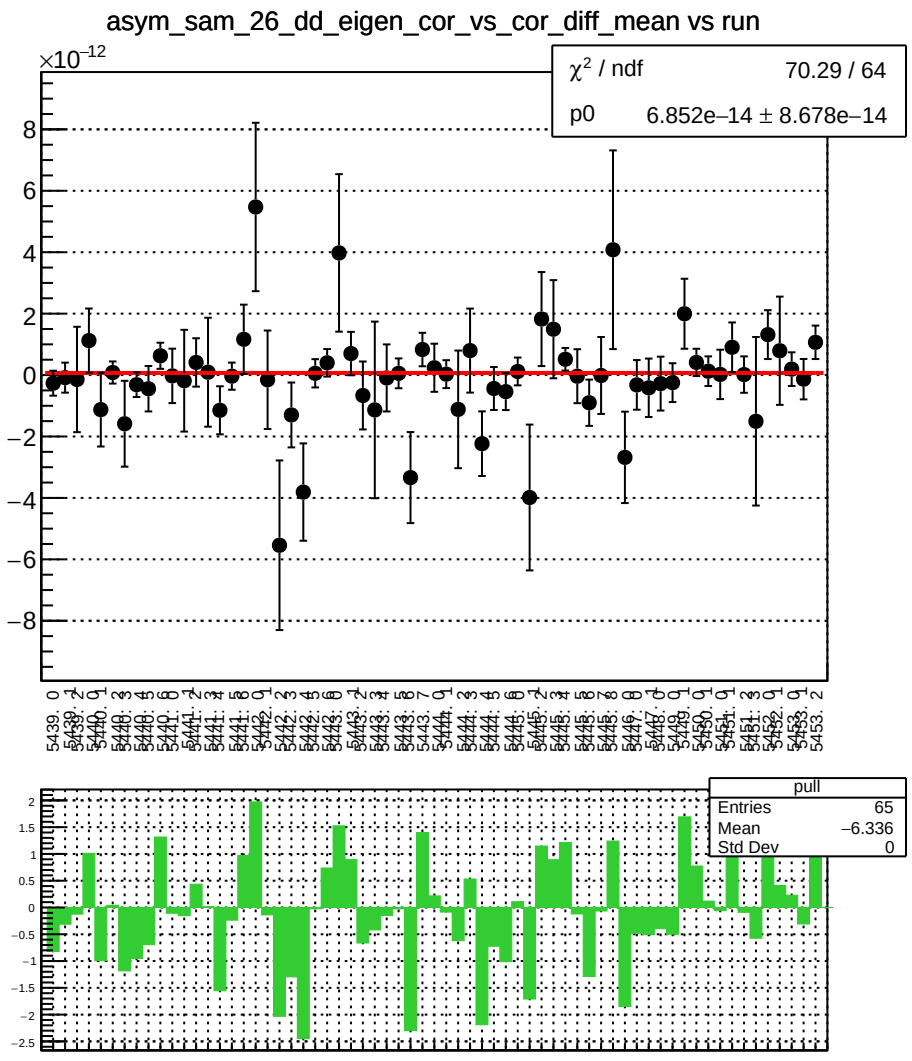
asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

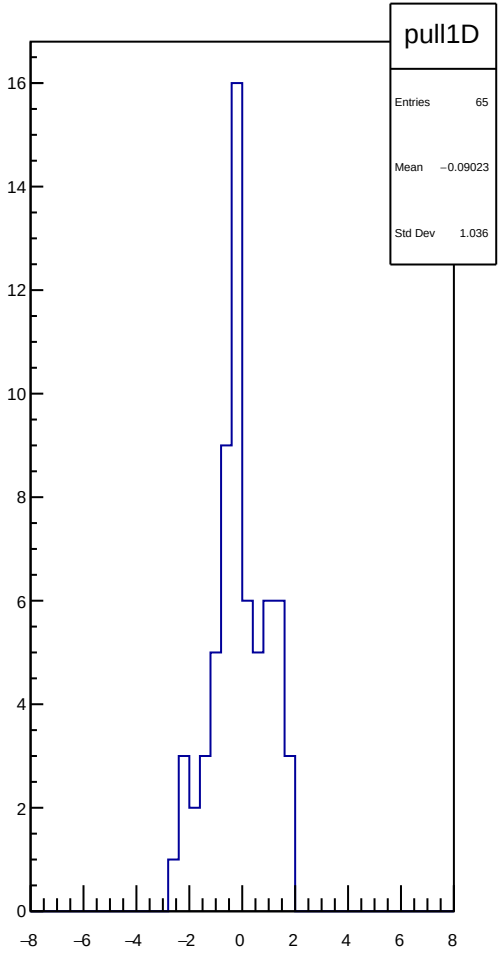


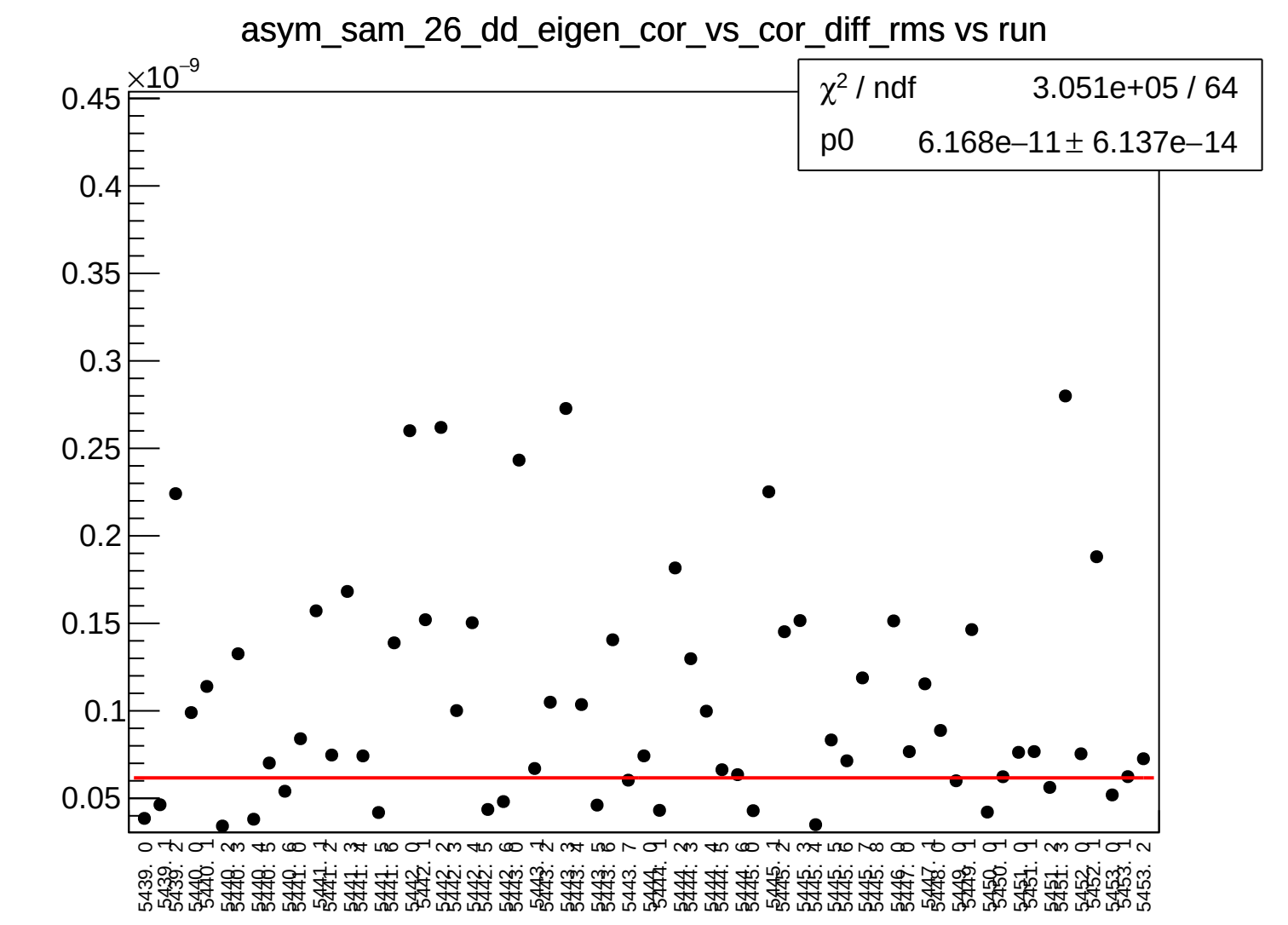


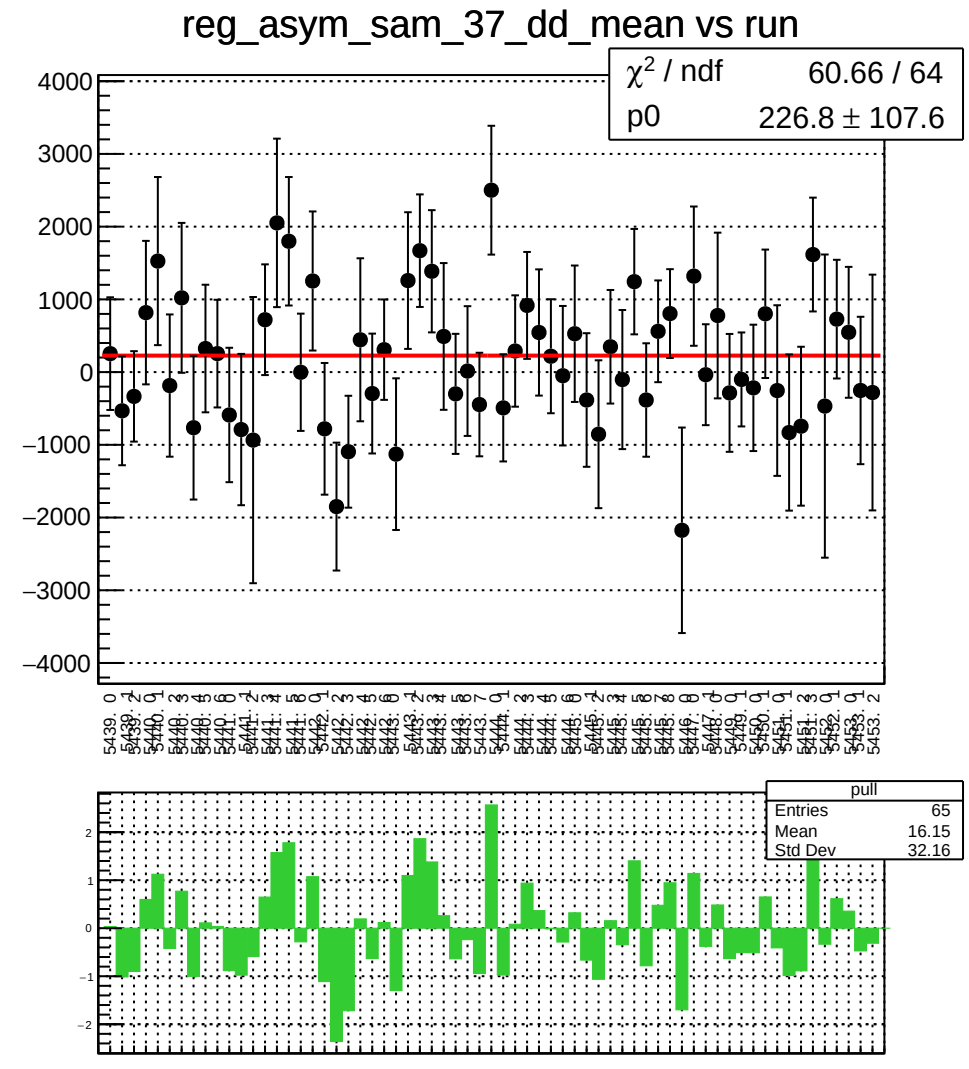


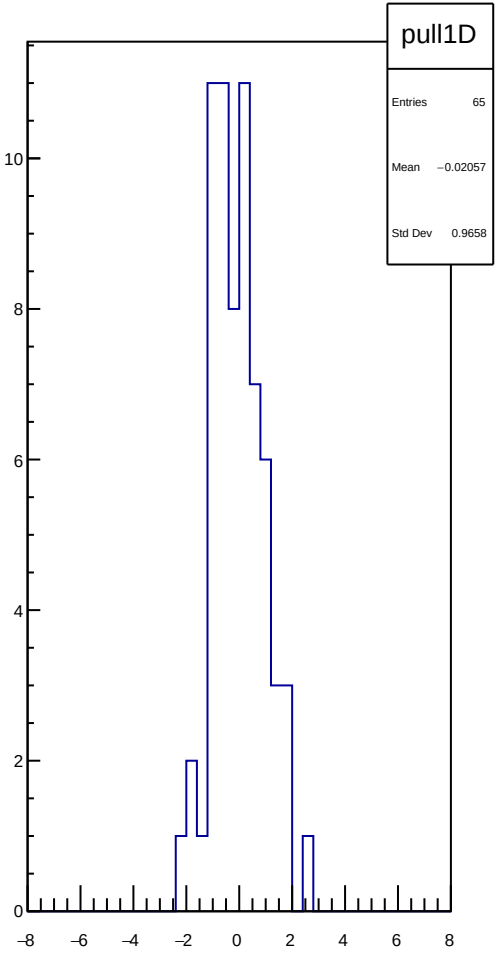

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.34e+04 / 64
p0 143.4 ± 0.1257
220
200
180
160
140
120
100

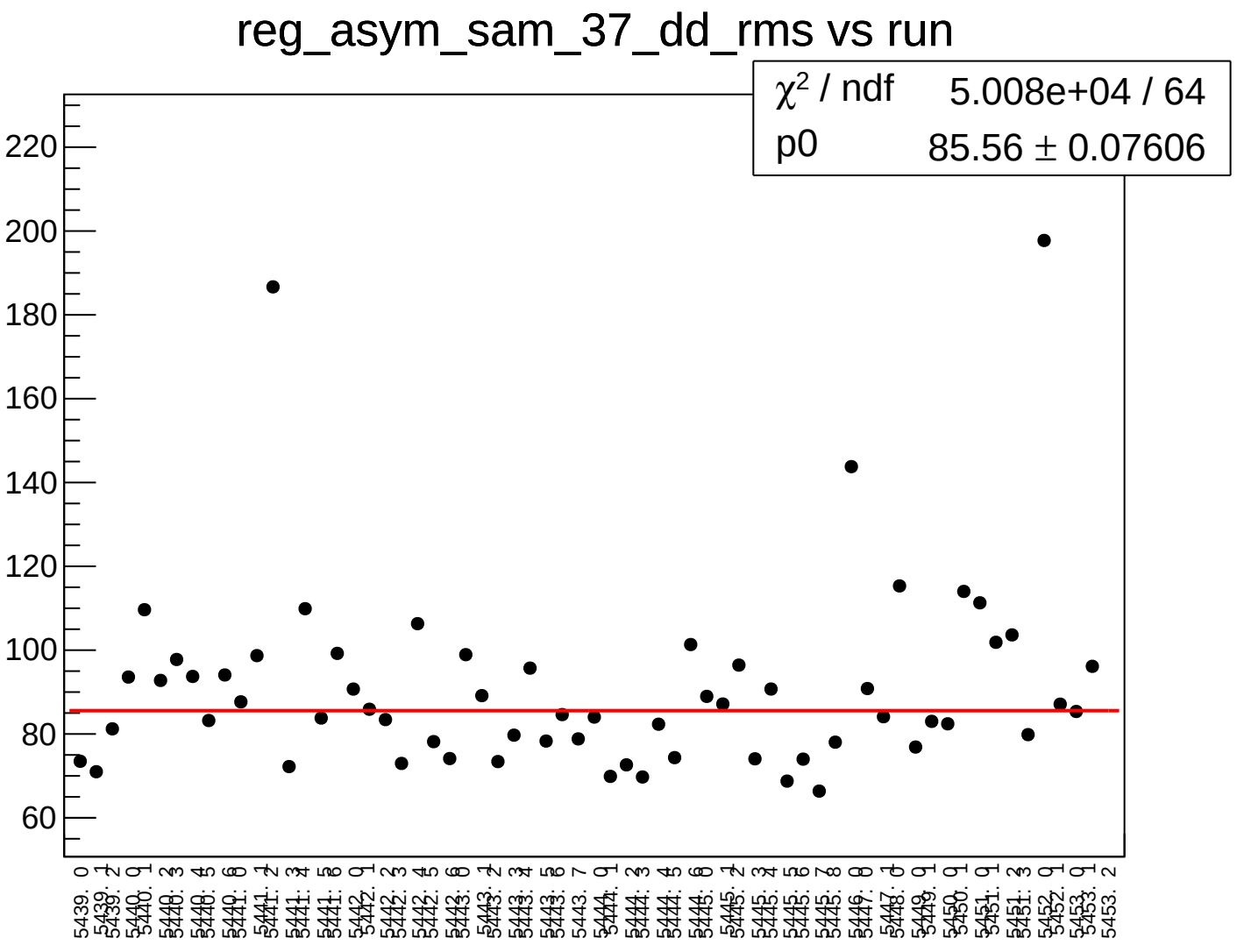

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 70.29 / 64
p0 6.852e−14 ± 8.678e−14
pull
Entries 65
Mean −6.336
Std Dev 0

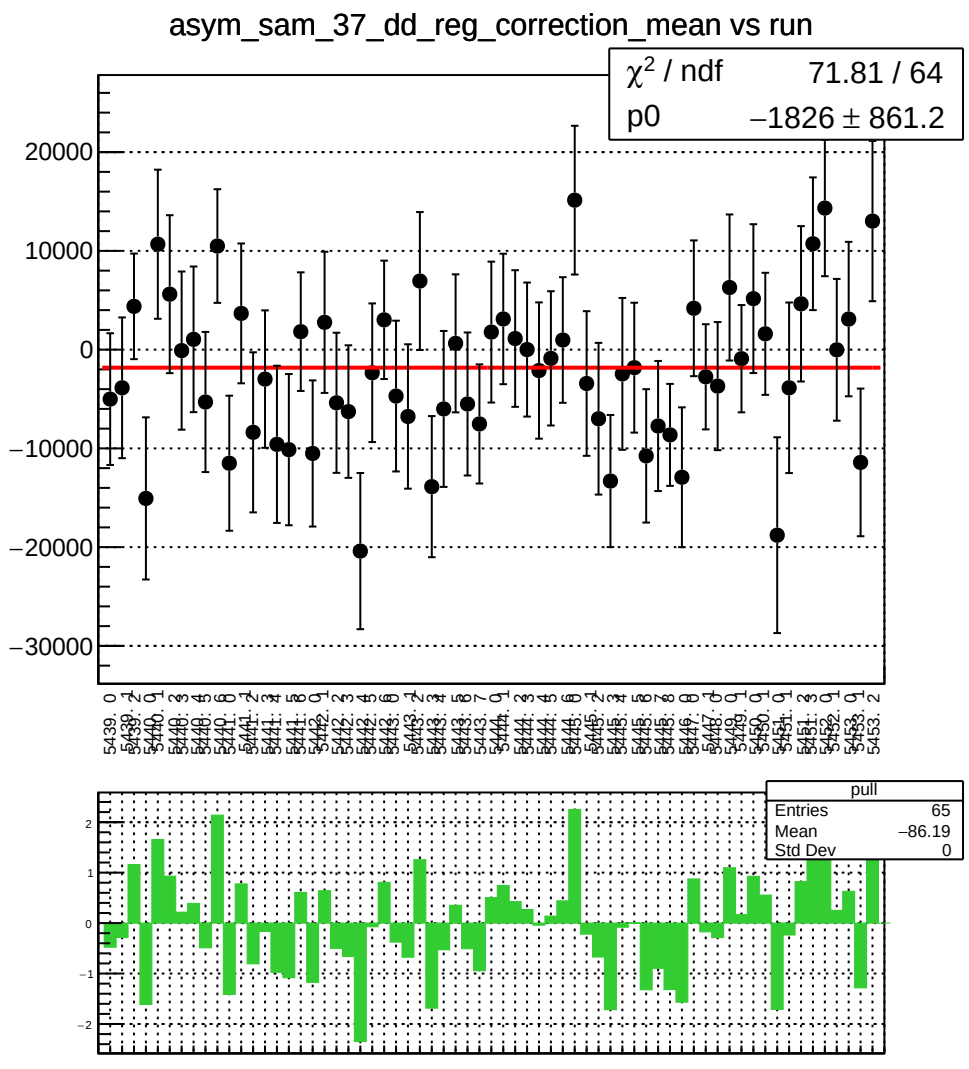

pull1D
Entries 65
Mean −0.09023
Std Dev 1.036

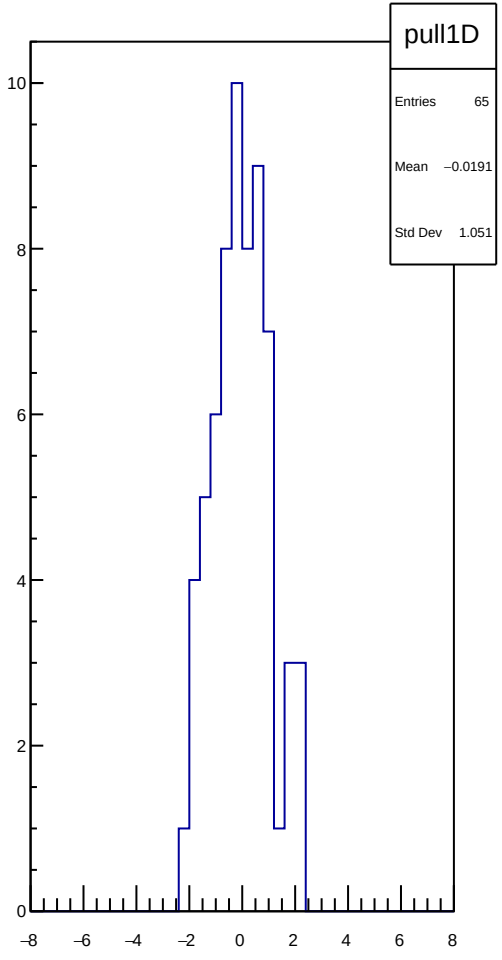

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.051e+05 / 64
p0 6.168e−11 ± 6.137e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

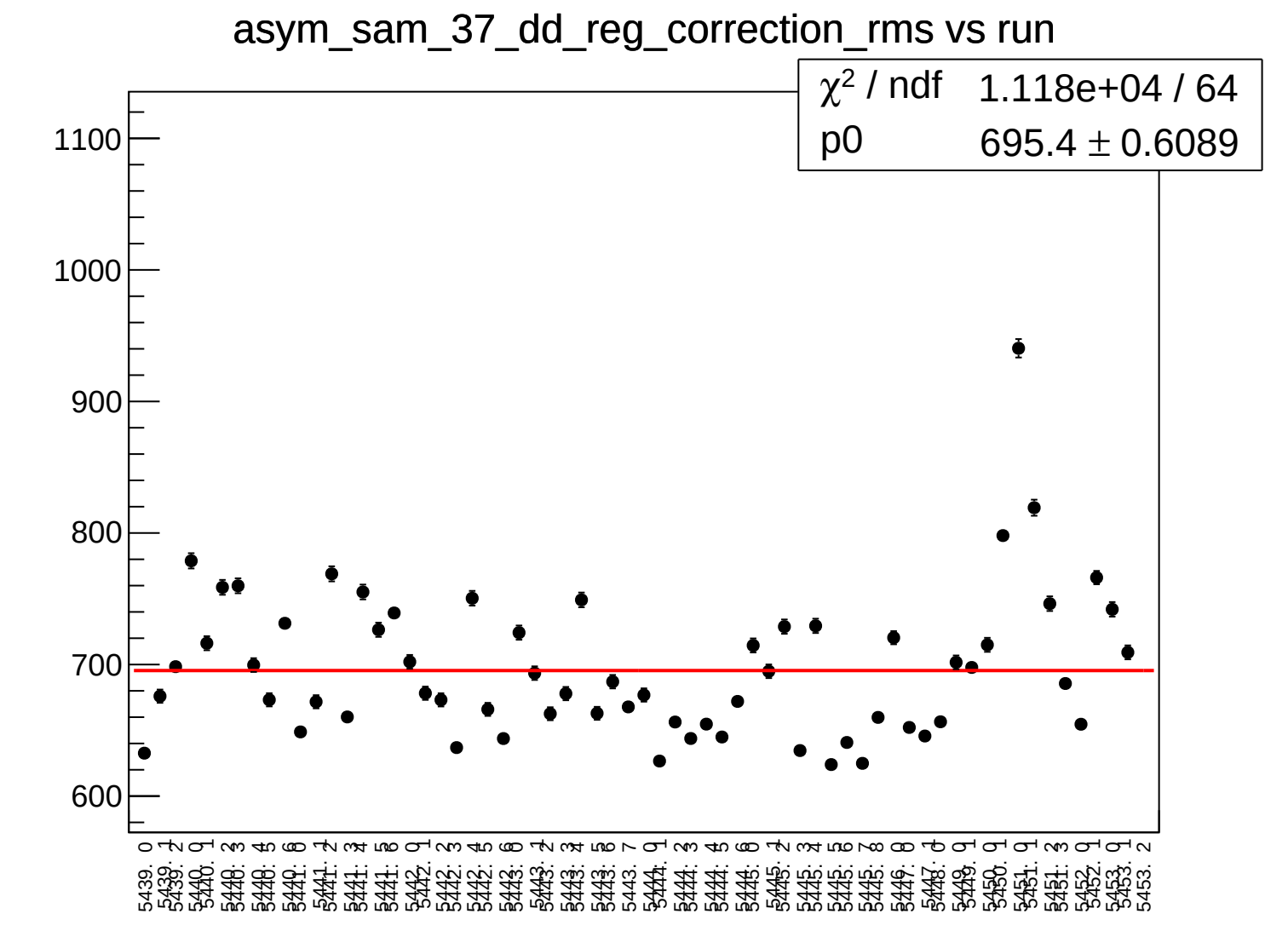

reg_asym_sam_37_dd_mean vs run
χ² / ndf 60.66 / 64
p0 226.8 ± 107.6
pull
Entries 65
Mean 16.15
Std Dev 32.16

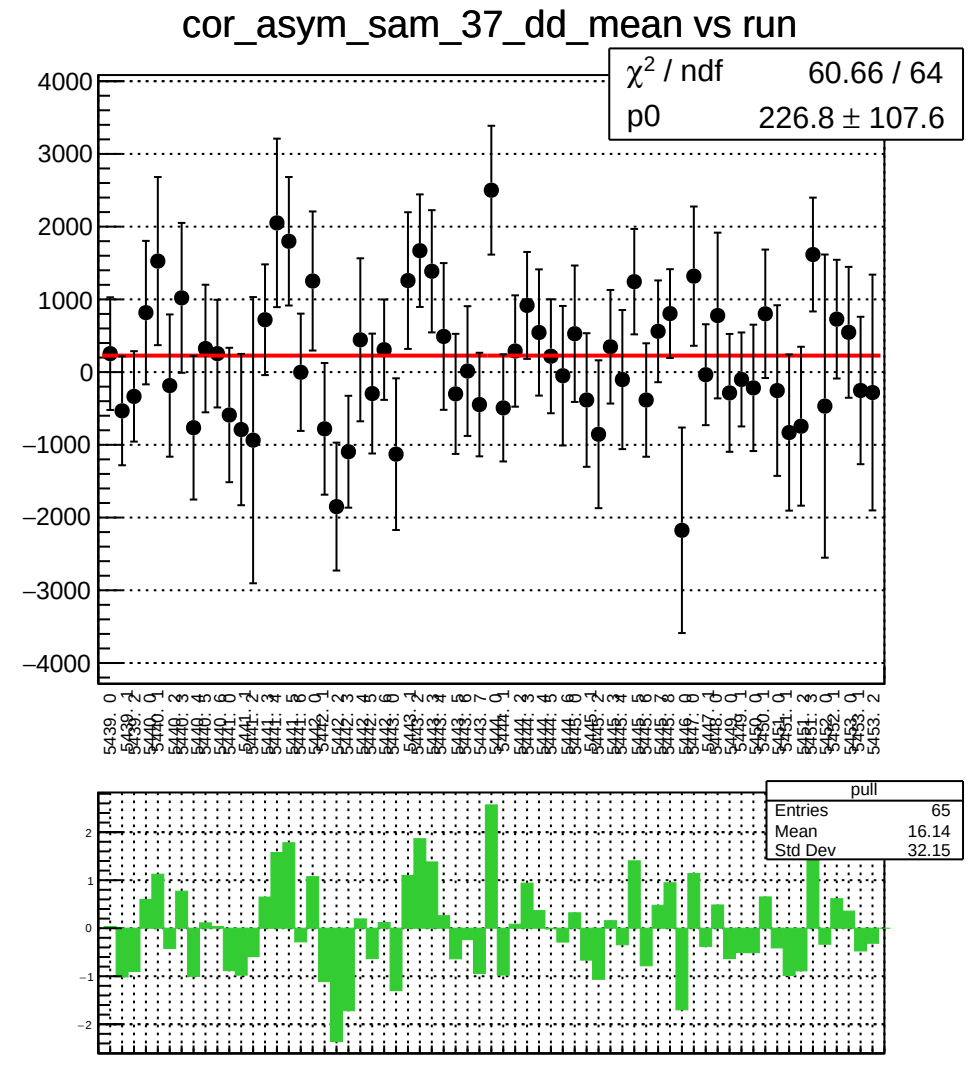

pull1D
Entries 65
Mean −0.02057
Std Dev 0.9658

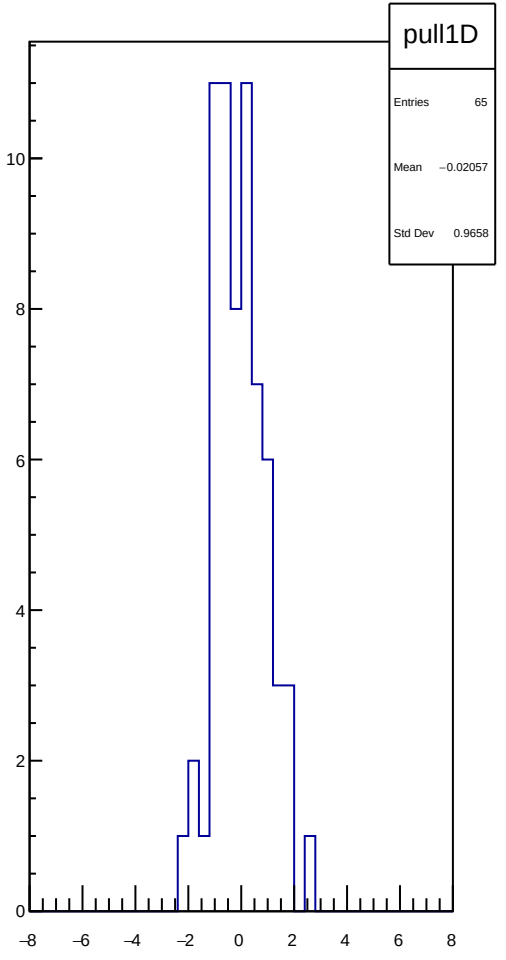

reg_asym_sam_37_dd_rms vs run
χ² / ndf 5.008e+04 / 64
p0 85.56 ± 0.07606
220
200
180
160
140
120
100
80
60

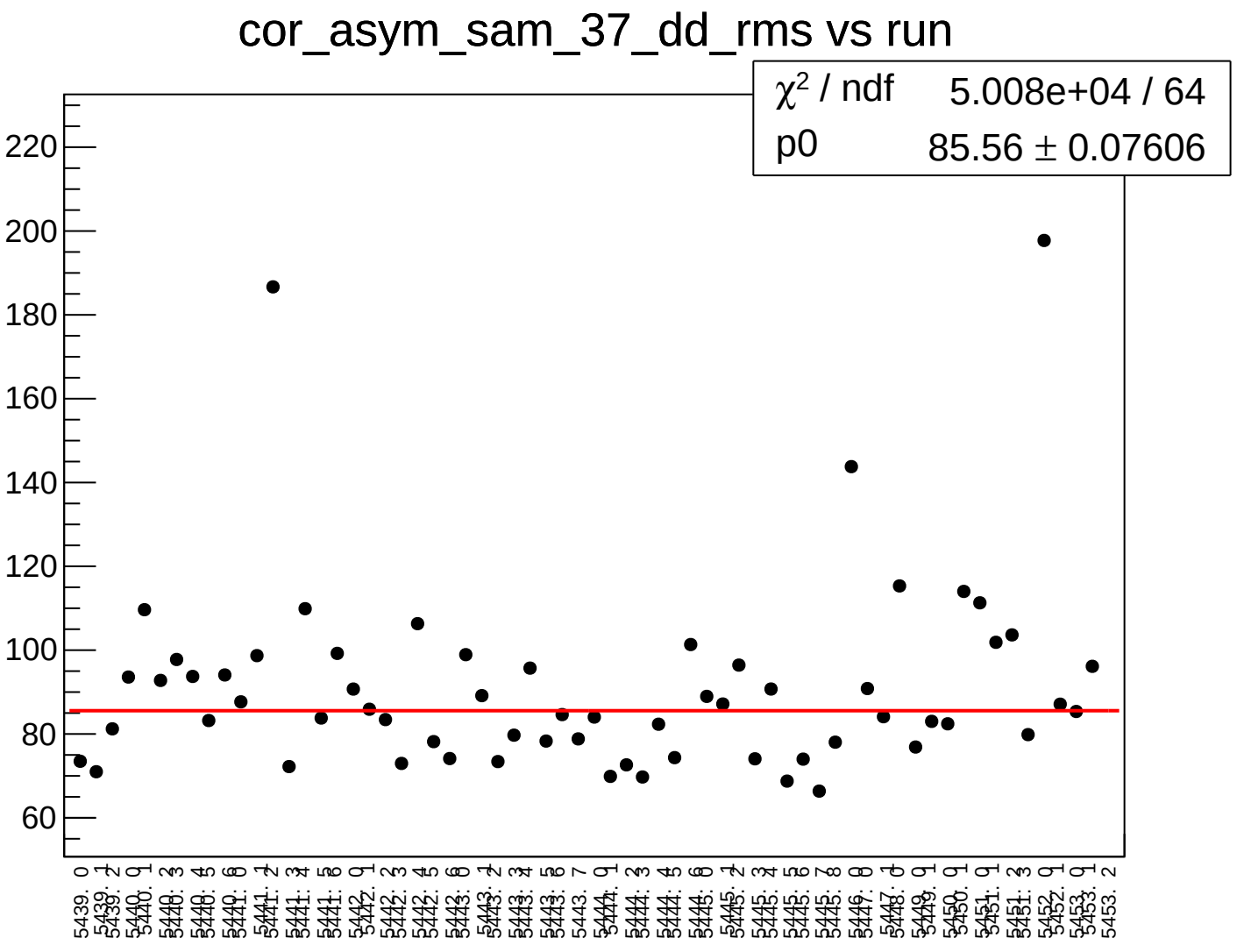

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 71.81 / 64
p0 −1826 ± 861.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −86.19
Std Dev 0
2
1
0
−1
−2

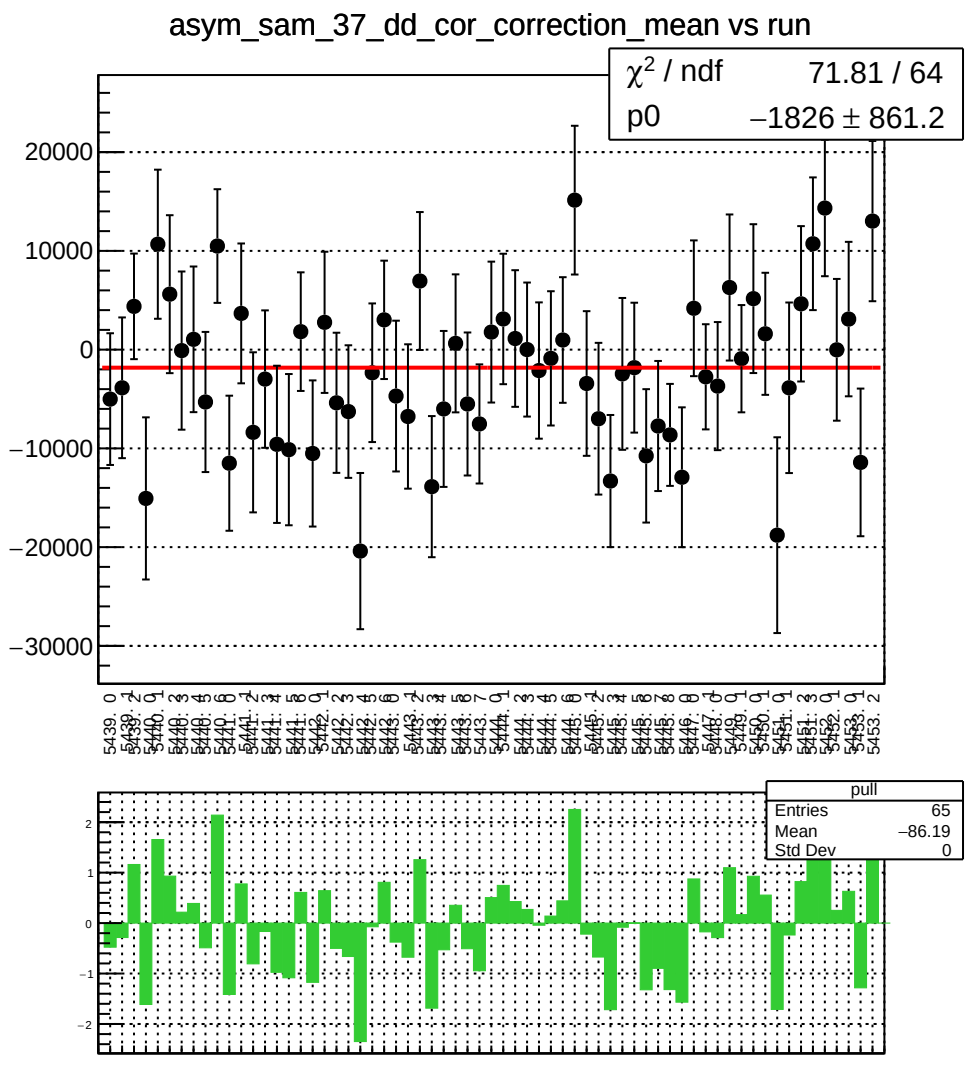

pull1D
Entries 65
Mean −0.0191
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

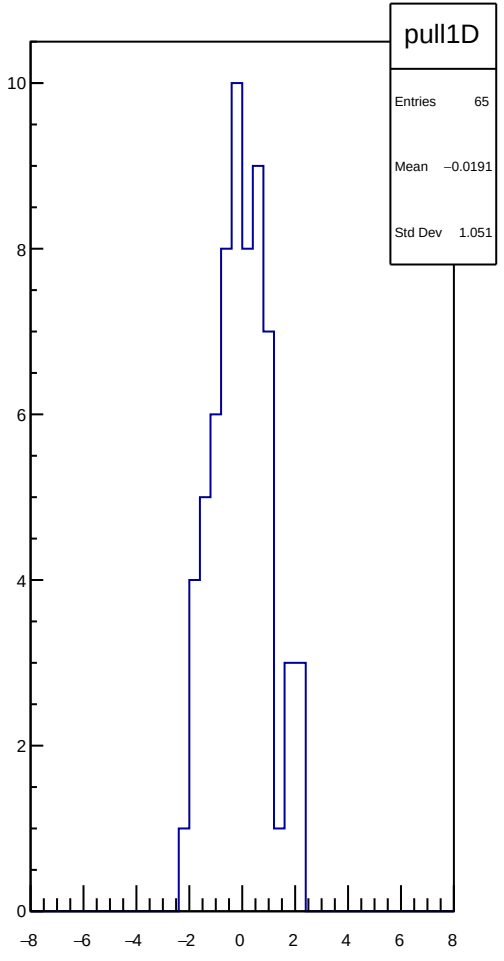

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 1.118e+04 / 64
p0 695.4 ± 0.6089
1100
1000
900
800
700
600

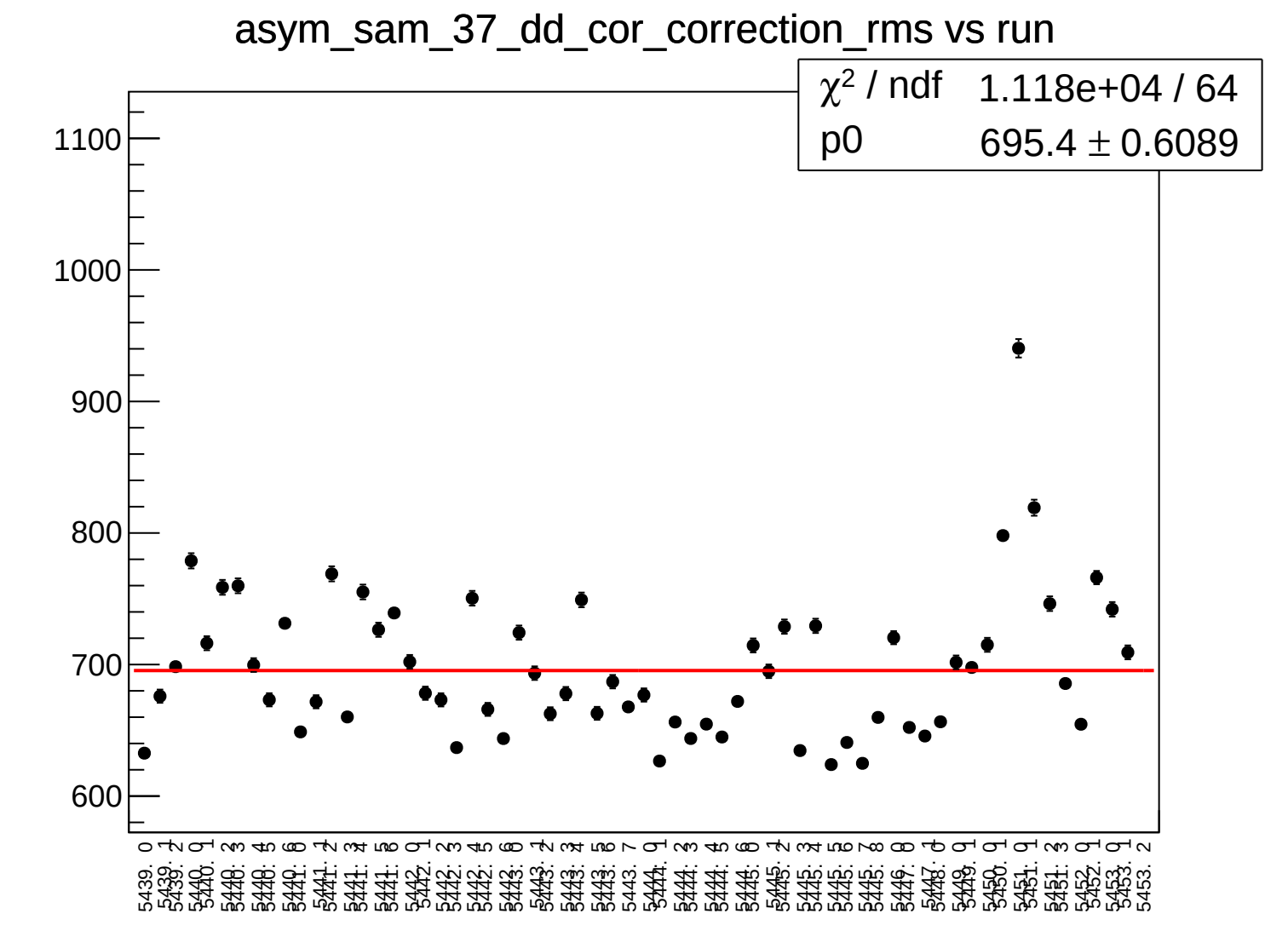

cor_asym_sam_37_dd_mean vs run
χ² / ndf 60.66 / 64
p0 226.8 ± 107.6
pull
Entries 65
Mean 16.14
Std Dev 32.15

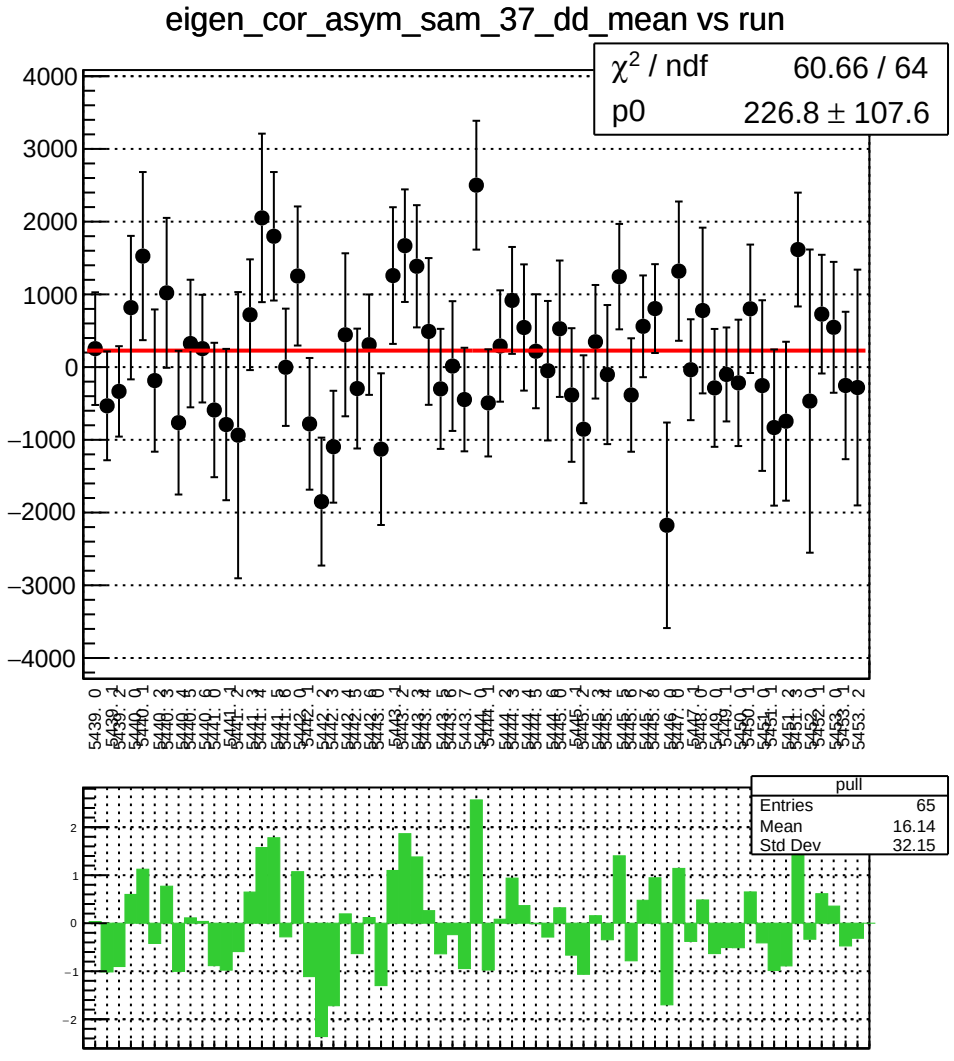

pull1D
Entries 65
Mean −0.02057
Std Dev 0.9658

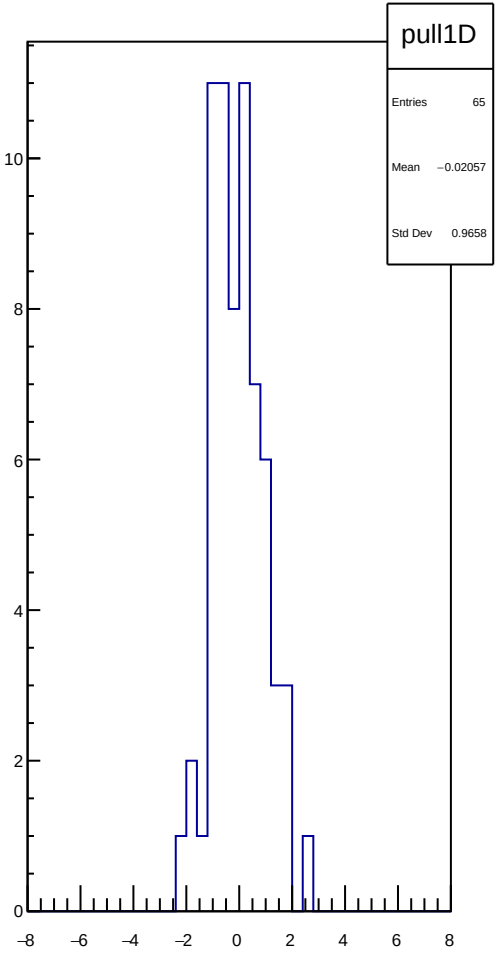

cor_asym_sam_37_dd_rms vs run
χ² / ndf 5.008e+04 / 64
p0 85.56 ± 0.07606
220
200
180
160
140
120
100
80
60

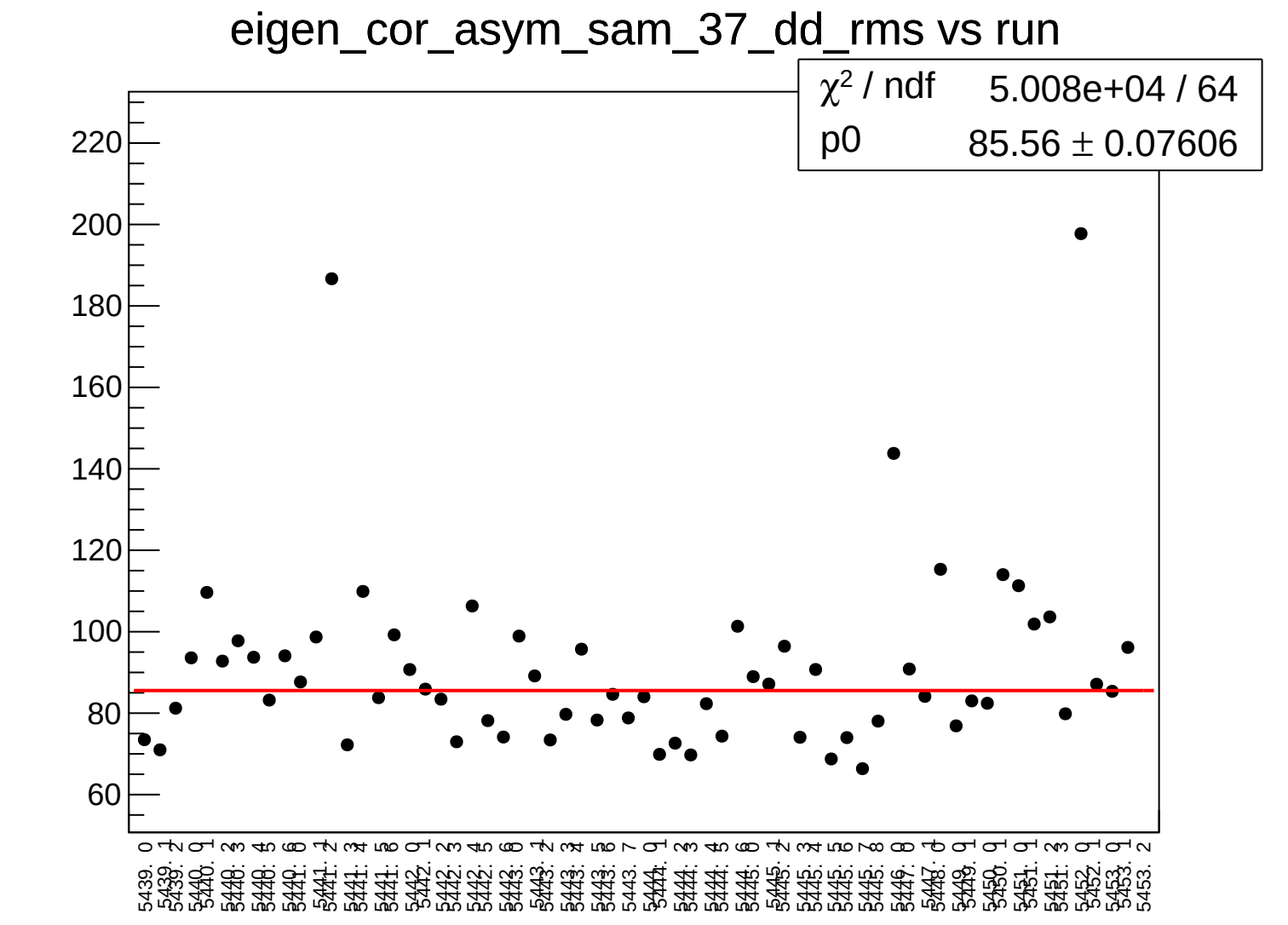

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 71.81 / 64
p0 −1826 ± 861.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean −86.19
Std Dev 0
2
1
0
−1
−2

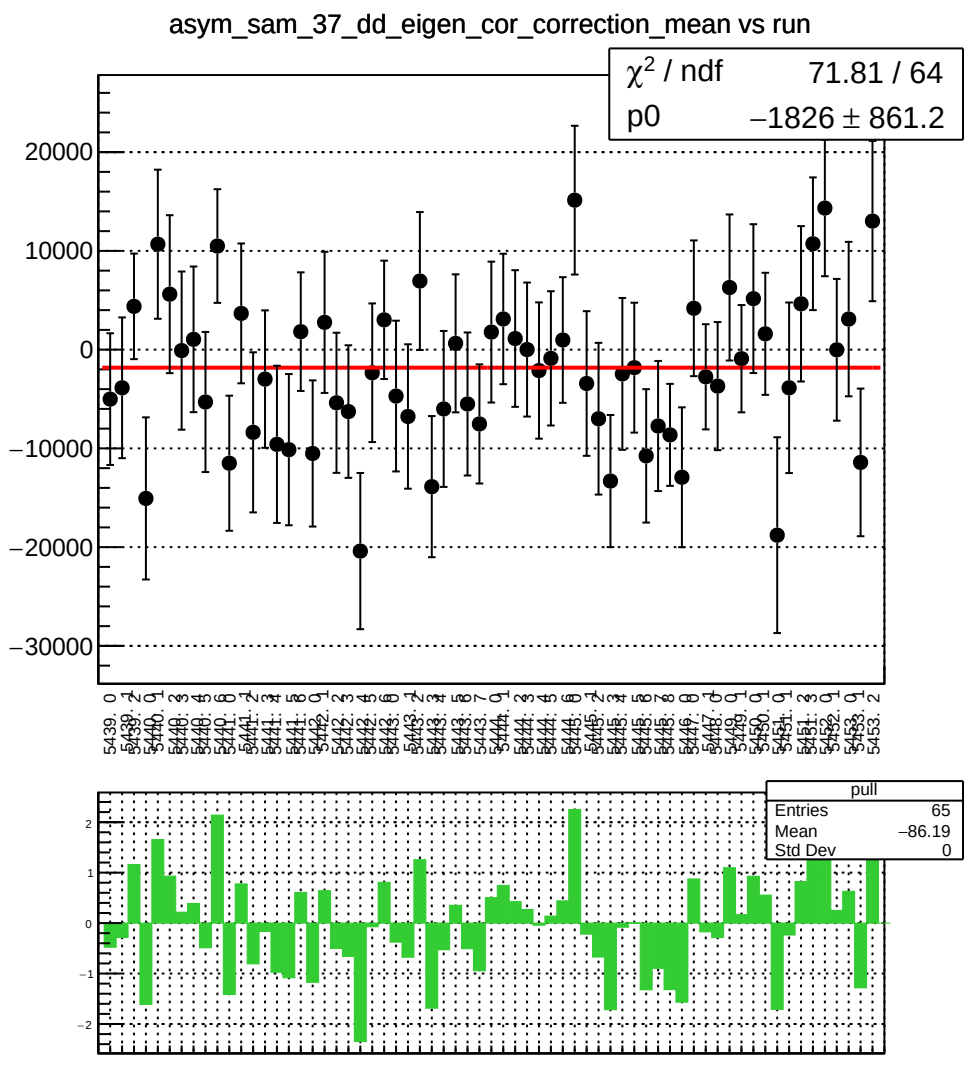

pull1D
Entries 65
Mean −0.0191
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

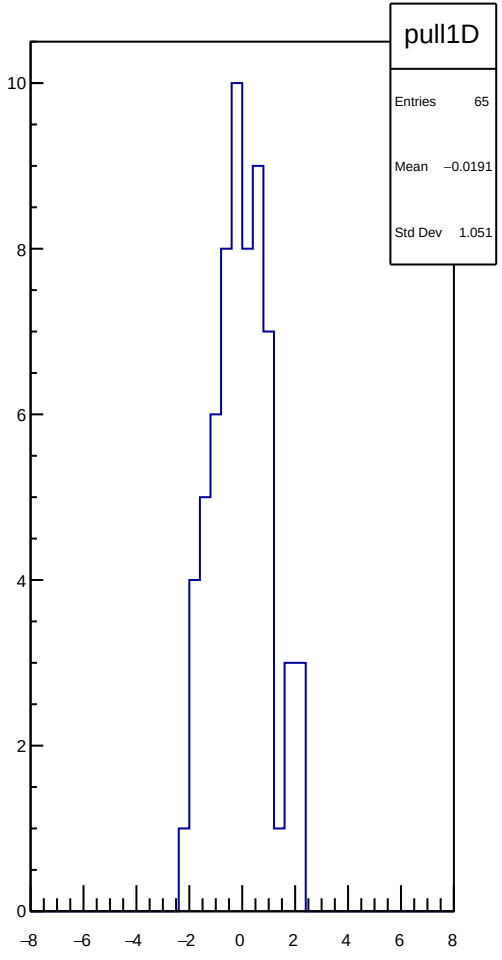

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 1.118e+04 / 64
p0 695.4 ± 0.6089
1100
1000
900
800
700
600
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

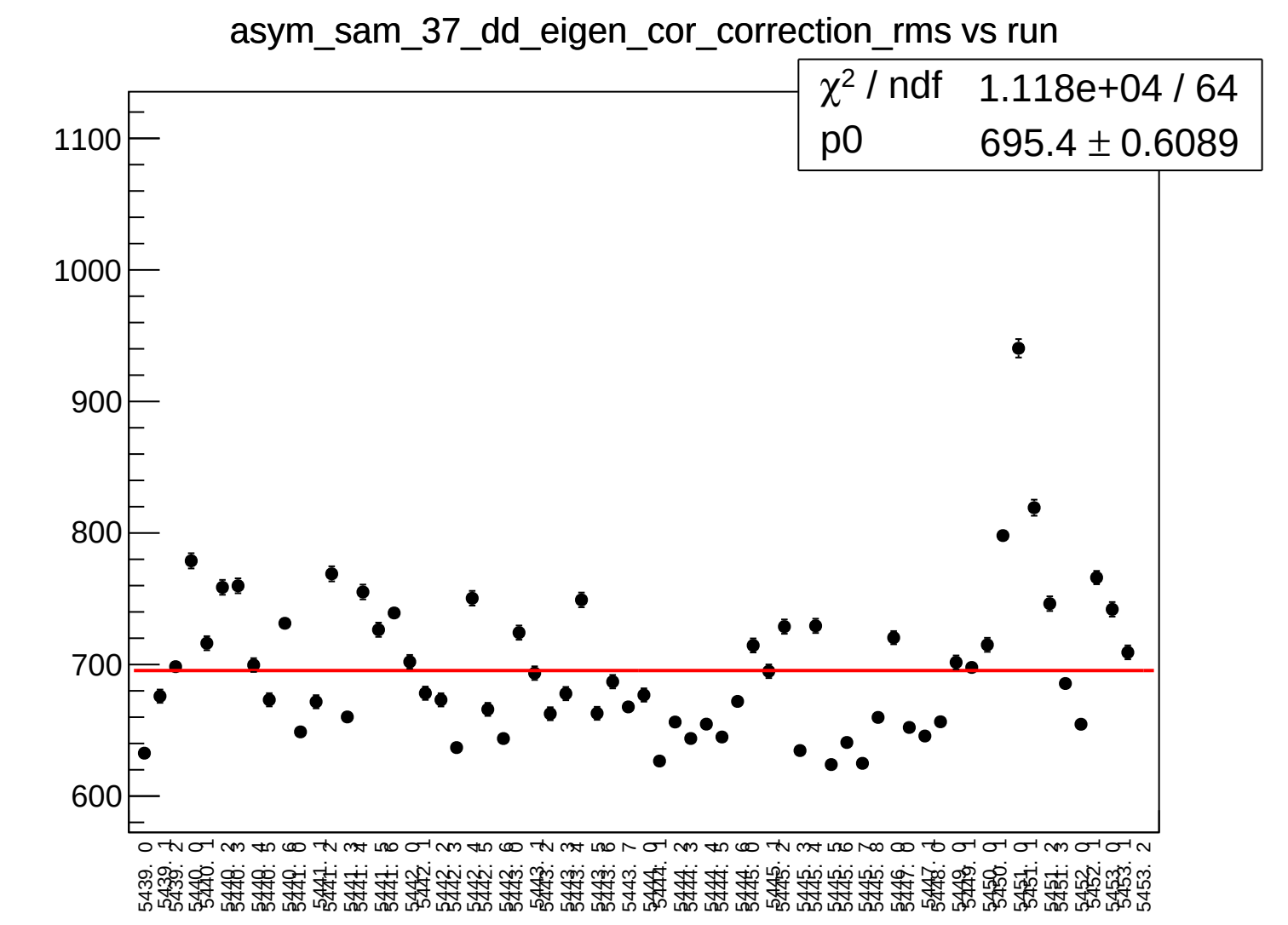

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 60.66 / 64
p0 226.8 ± 107.6
pull
Entries 65
Mean 16.14
Std Dev 32.15

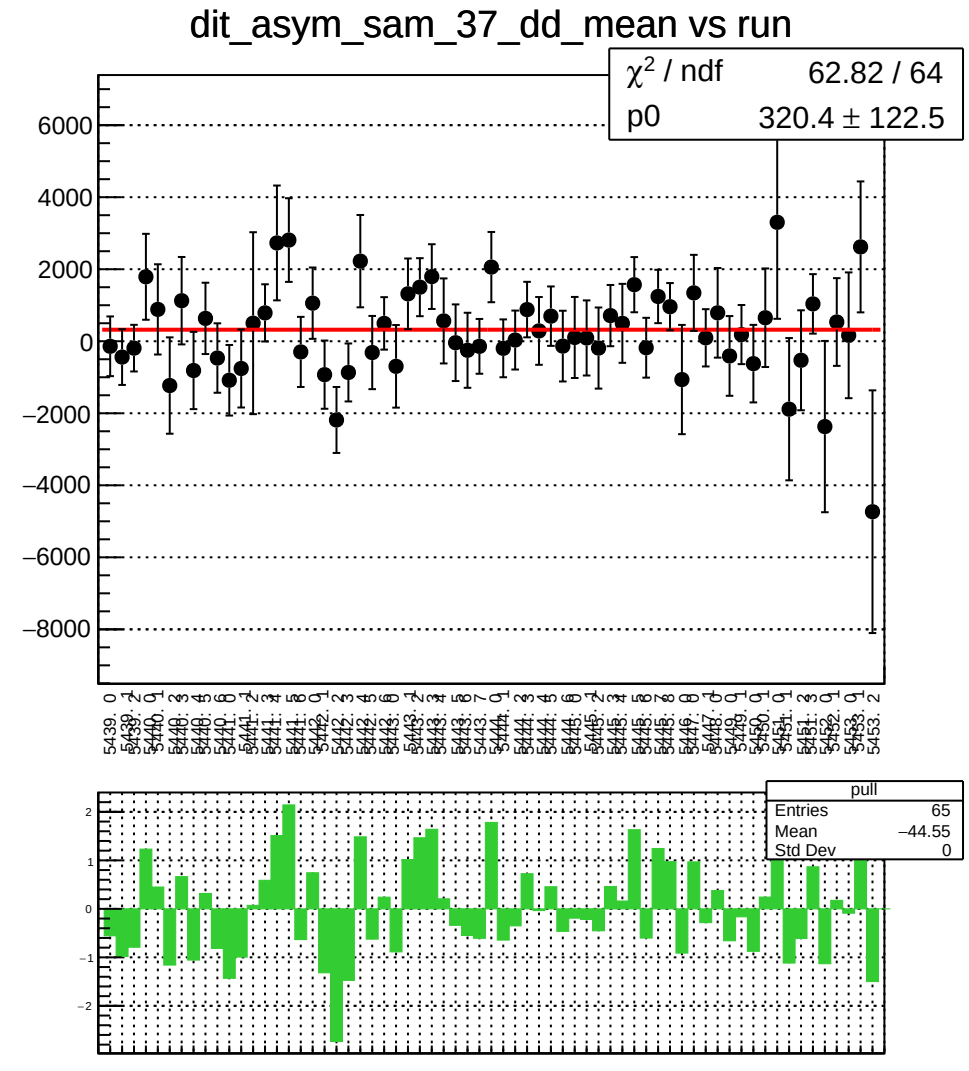

pull1D
Entries 65
Mean −0.02057
Std Dev 0.9658

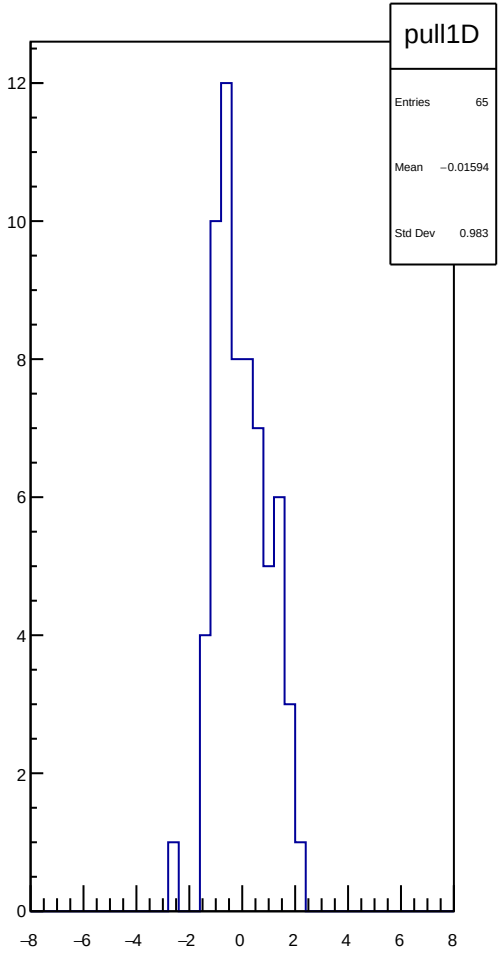

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 5.008e+04 / 64
p0 85.56 ± 0.07606
220
200
180
160
140
120
100
80
60

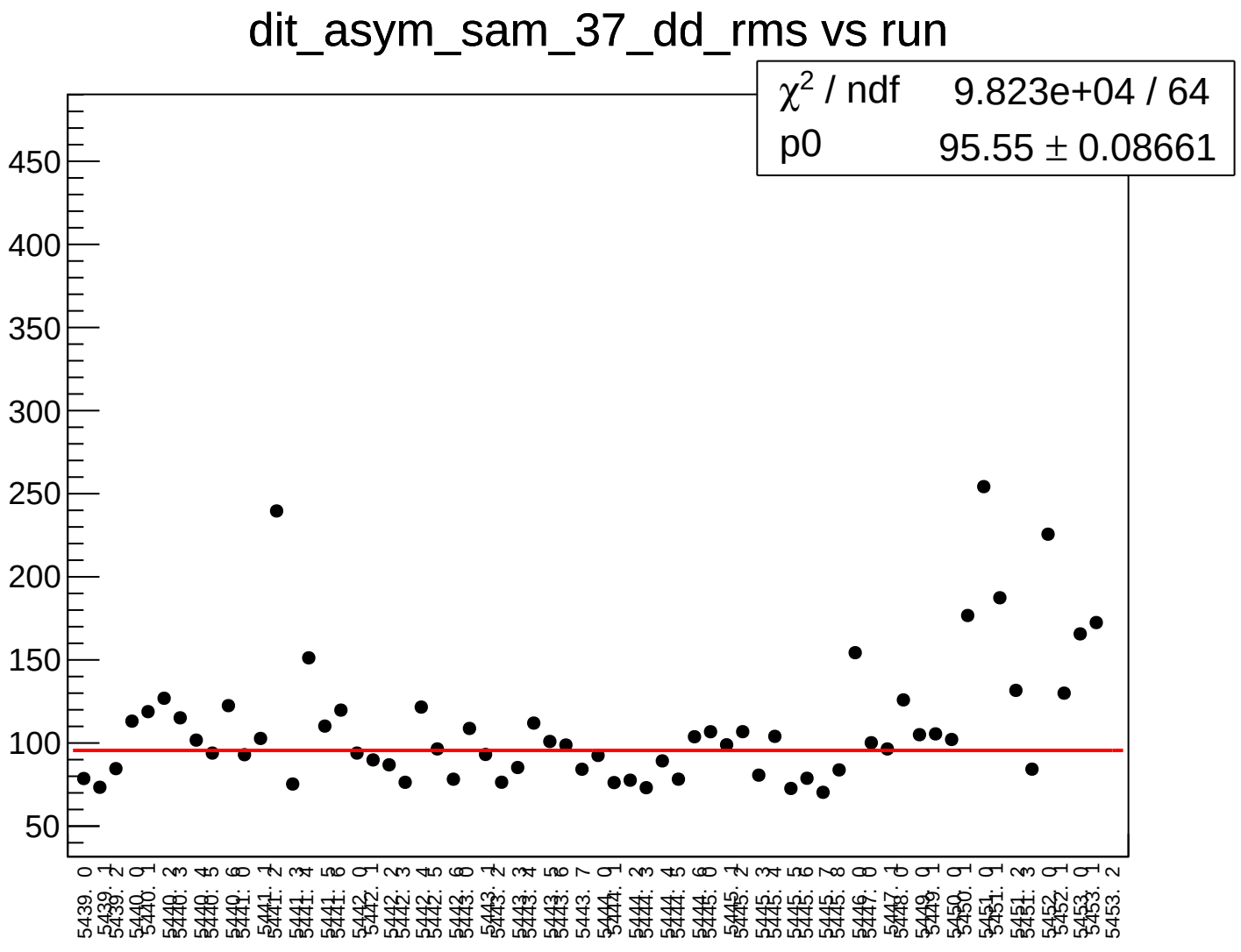

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.81 / 64
p0 −1826 ± 861.2
pull
Entries 65
Mean −86.19
Std Dev 0

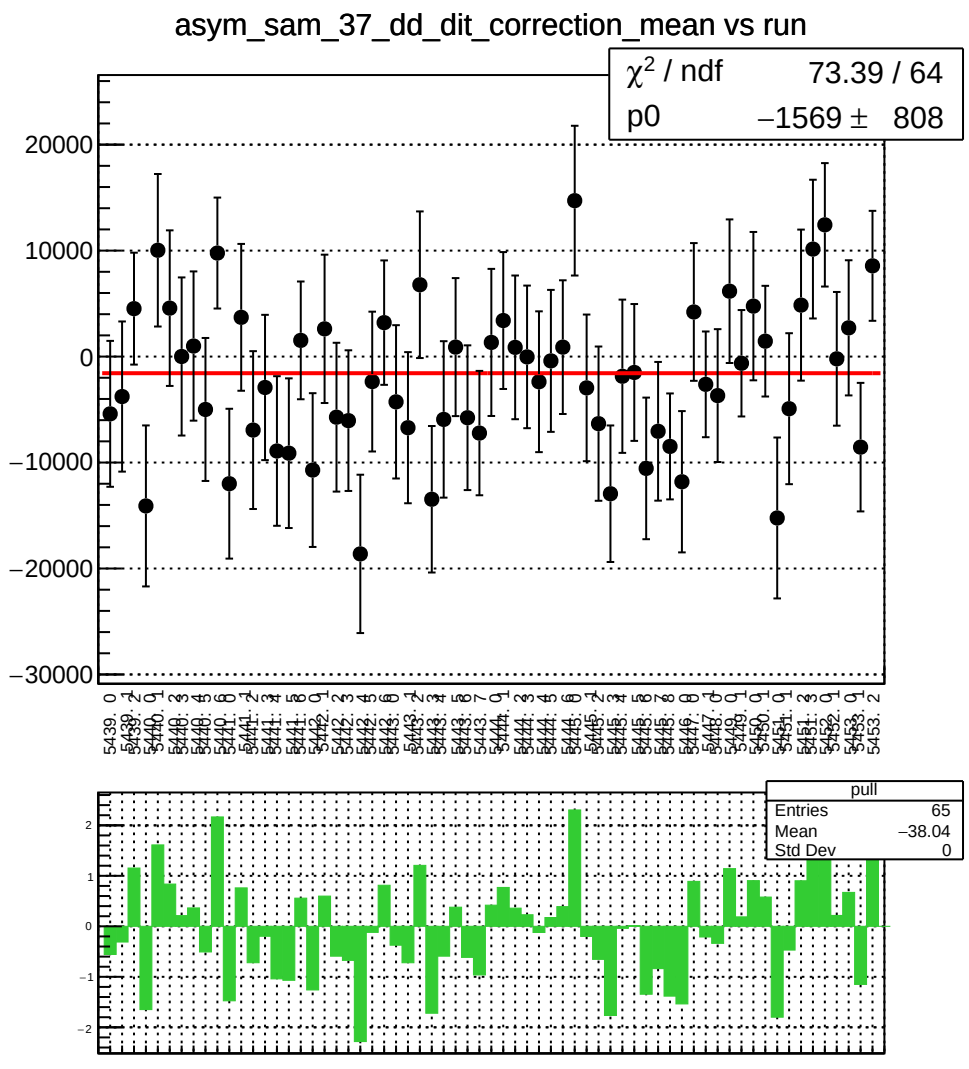

pull1D
Entries 65
Mean −0.0191
Std Dev 1.051

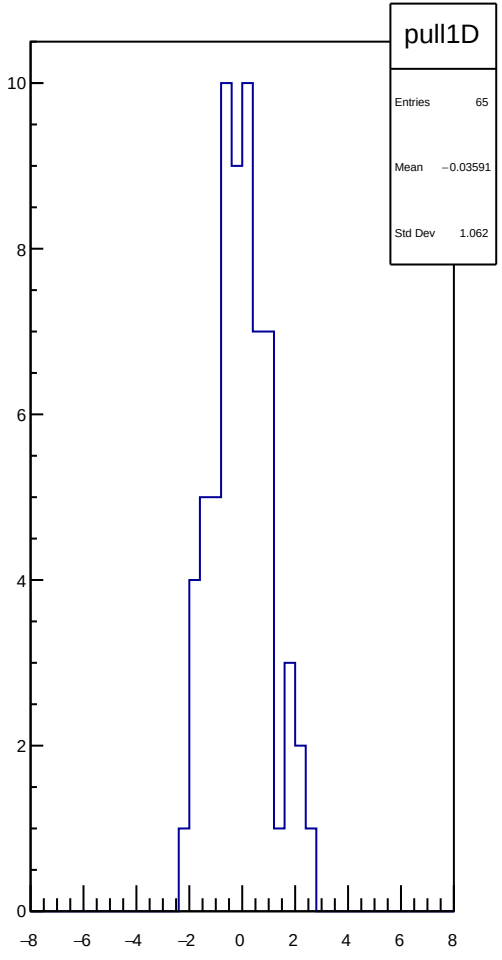

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.118e+04 / 64
p0 695.4 ± 0.6089
1100
1000
900
800
700
600

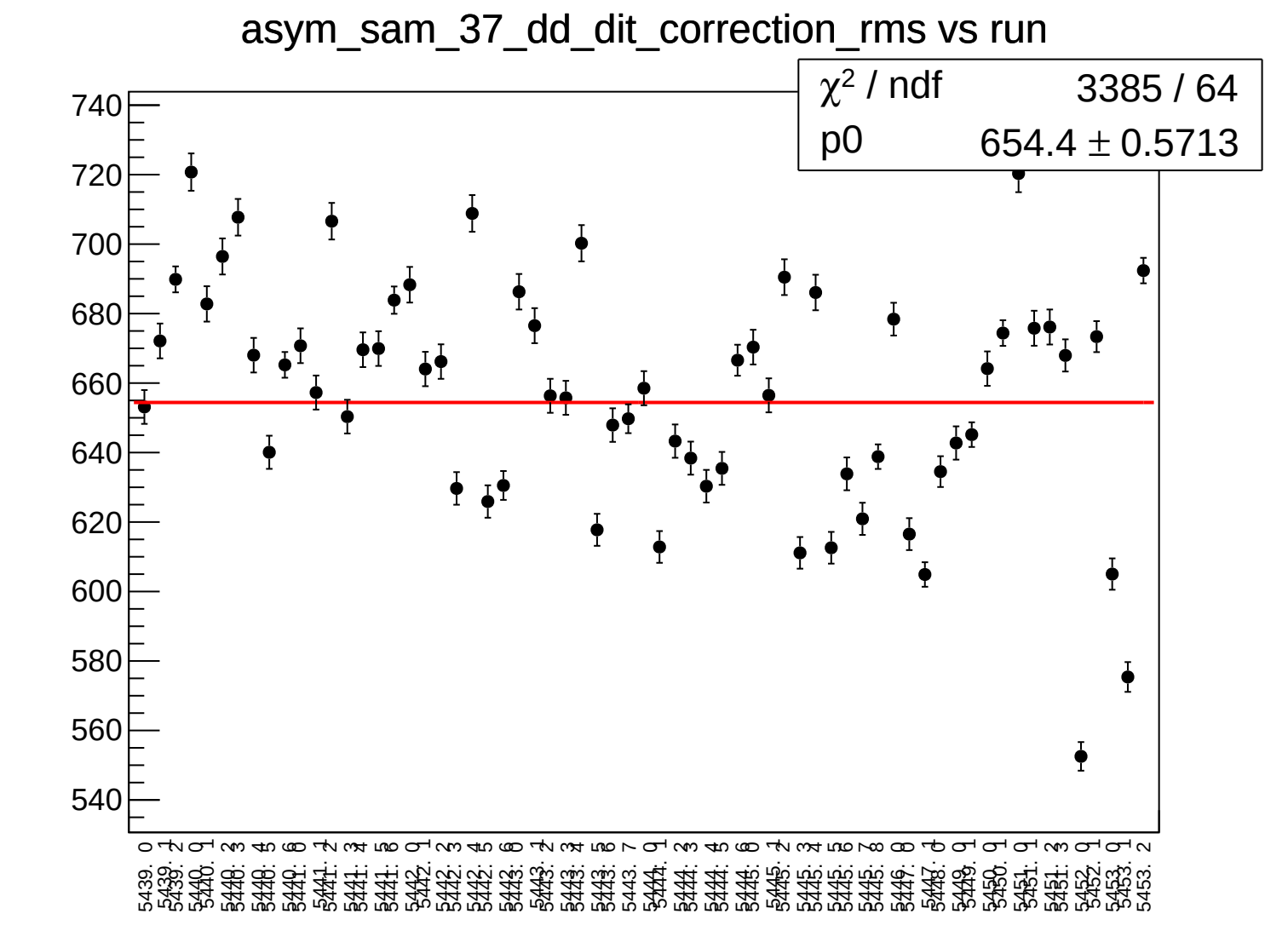

dit_asym_sam_37_dd_mean vs run
χ² / ndf 62.82 / 64
p0 320.4 ± 122.5
pull
Entries 65
Mean −44.55
Std Dev 0

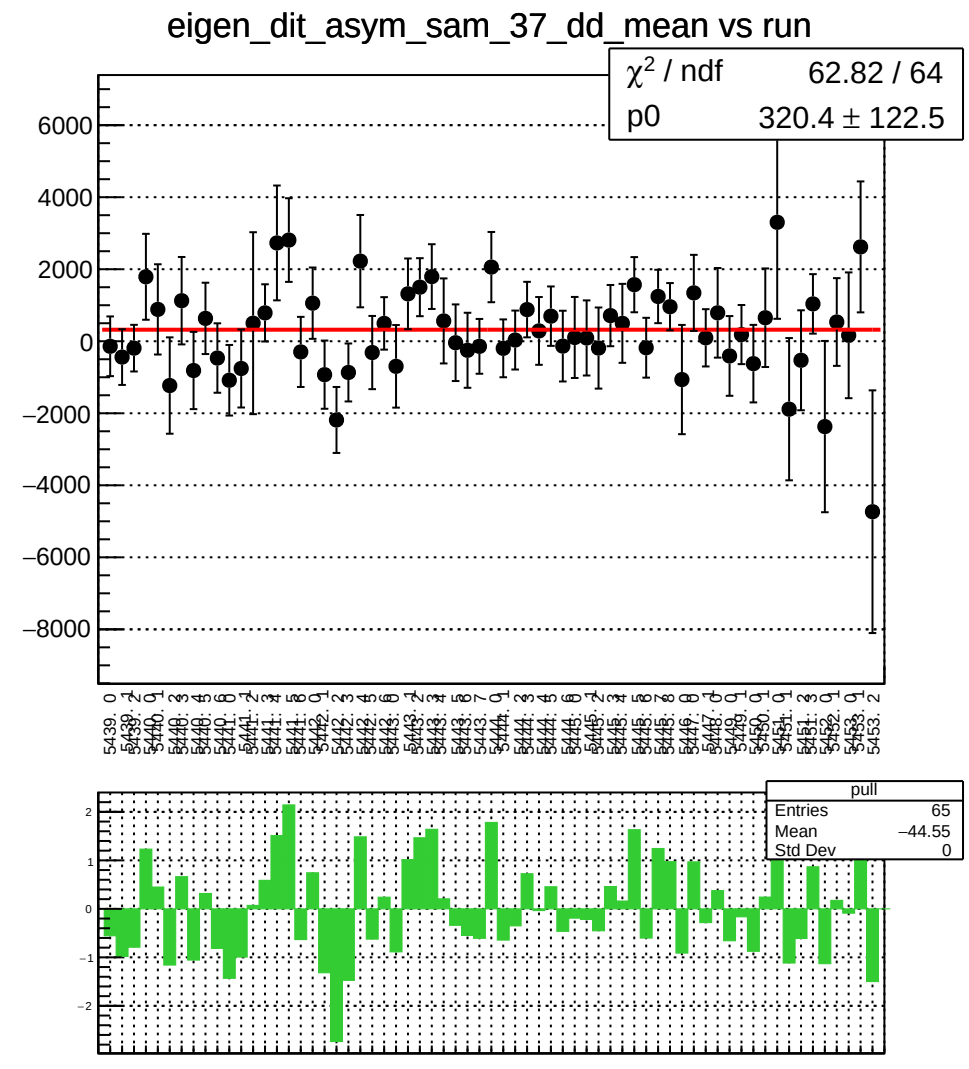

pull1D
Entries 65
Mean −0.01594
Std Dev 0.983

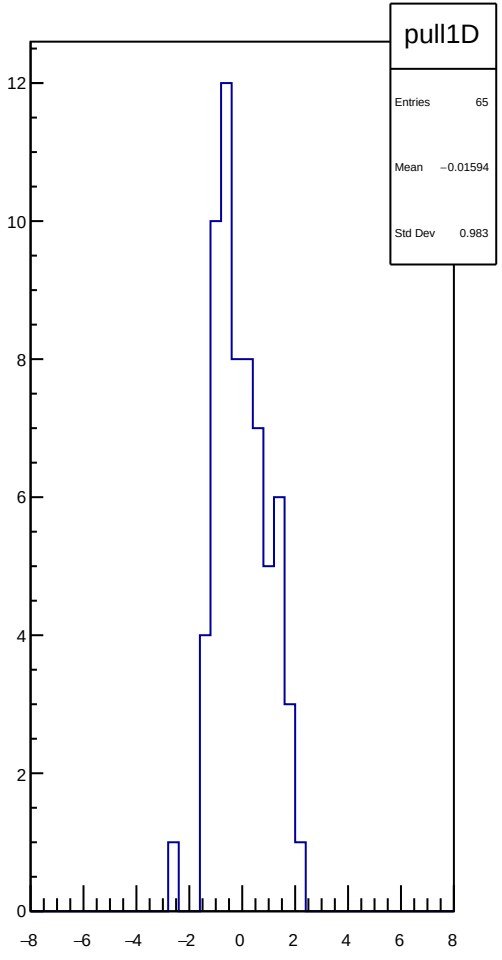

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 9.823e+04 / 64
p0 95.55 ± 0.08661
450
400
350
300
250
200
150
100
50

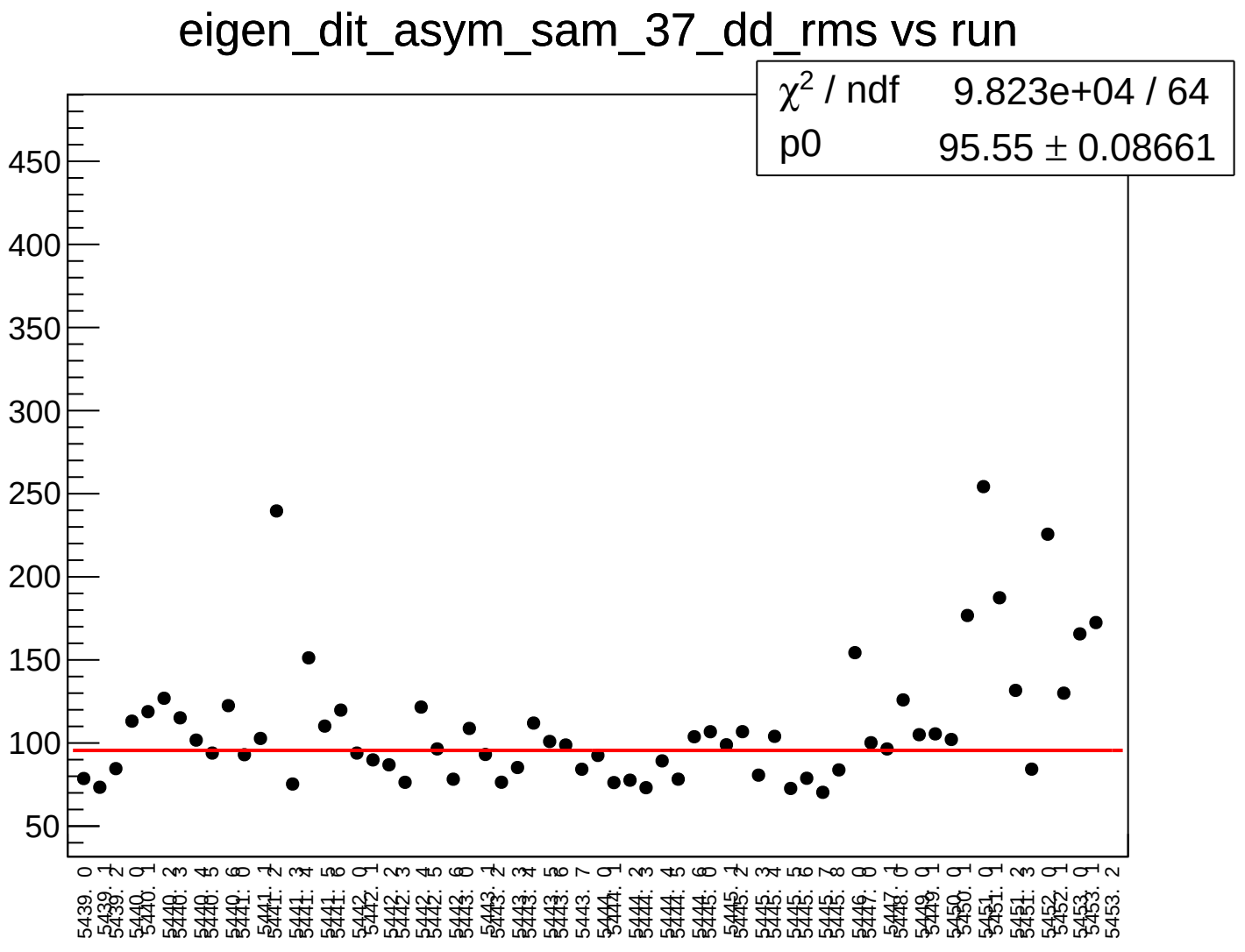

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 73.39 / 64
p0 −1569 ± 808
pull
Entries 65
Mean −38.04
Std Dev 0

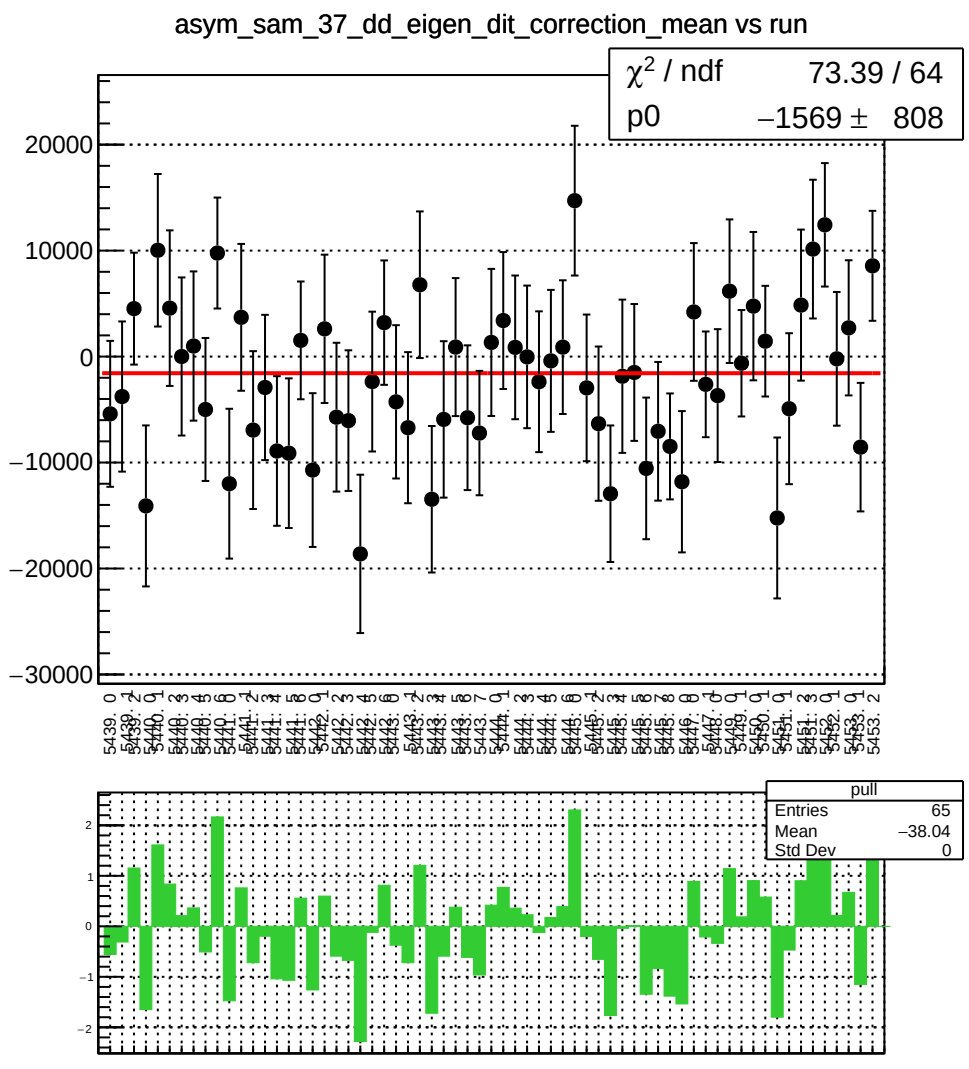

pull1D
Entries 65
Mean −0.03591
Std Dev 1.062

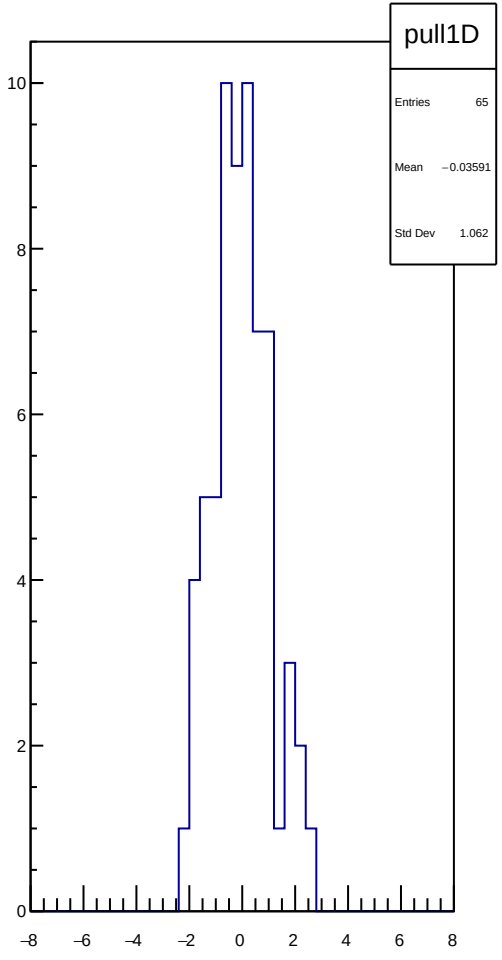

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3385 / 64
p0 654.4 ± 0.5713
740
720
700
680
660
640
620
600
580
560
540

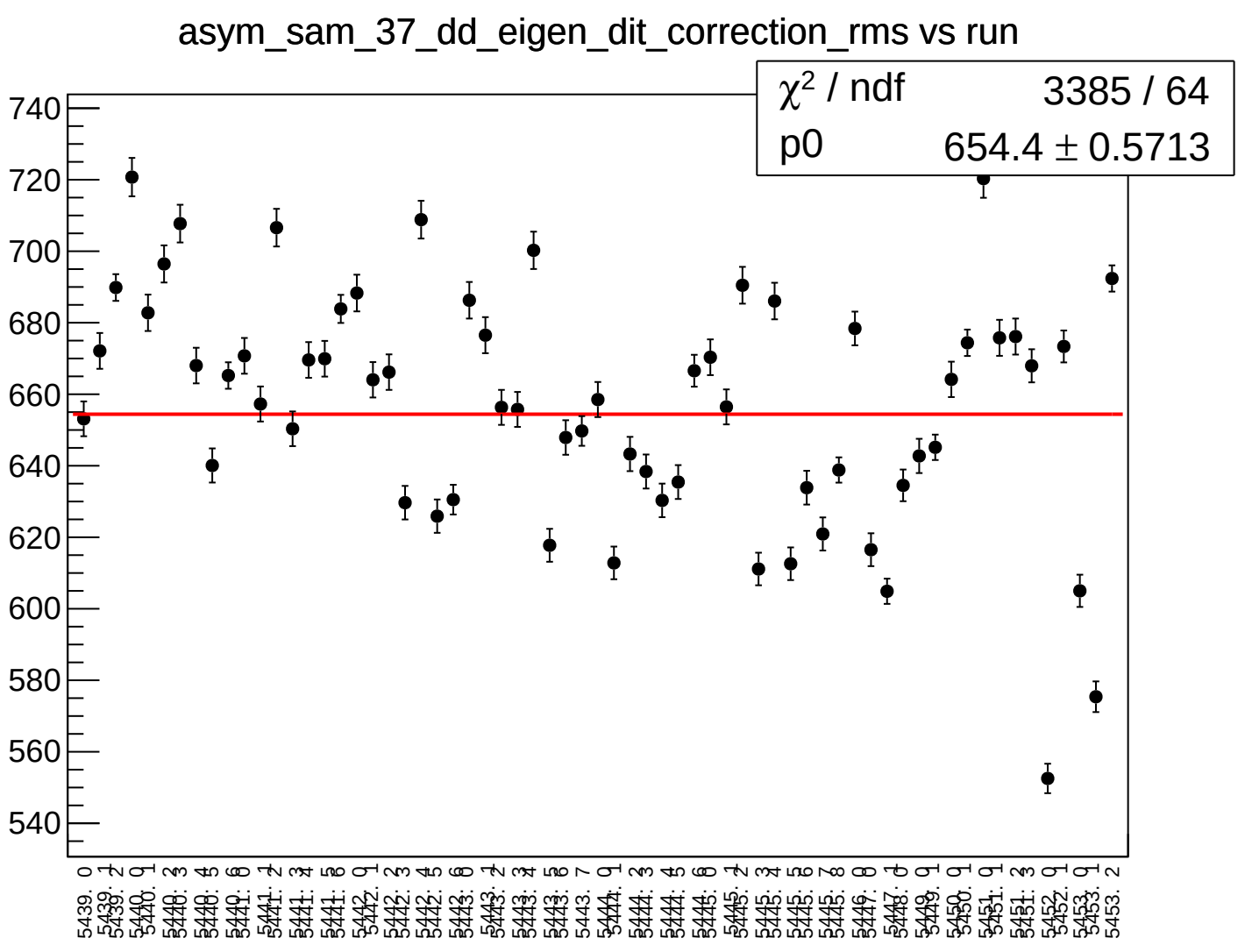

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 62.82 / 64
p0 320.4 ± 122.5
pull
Entries 65
Mean −44.55
Std Dev 0

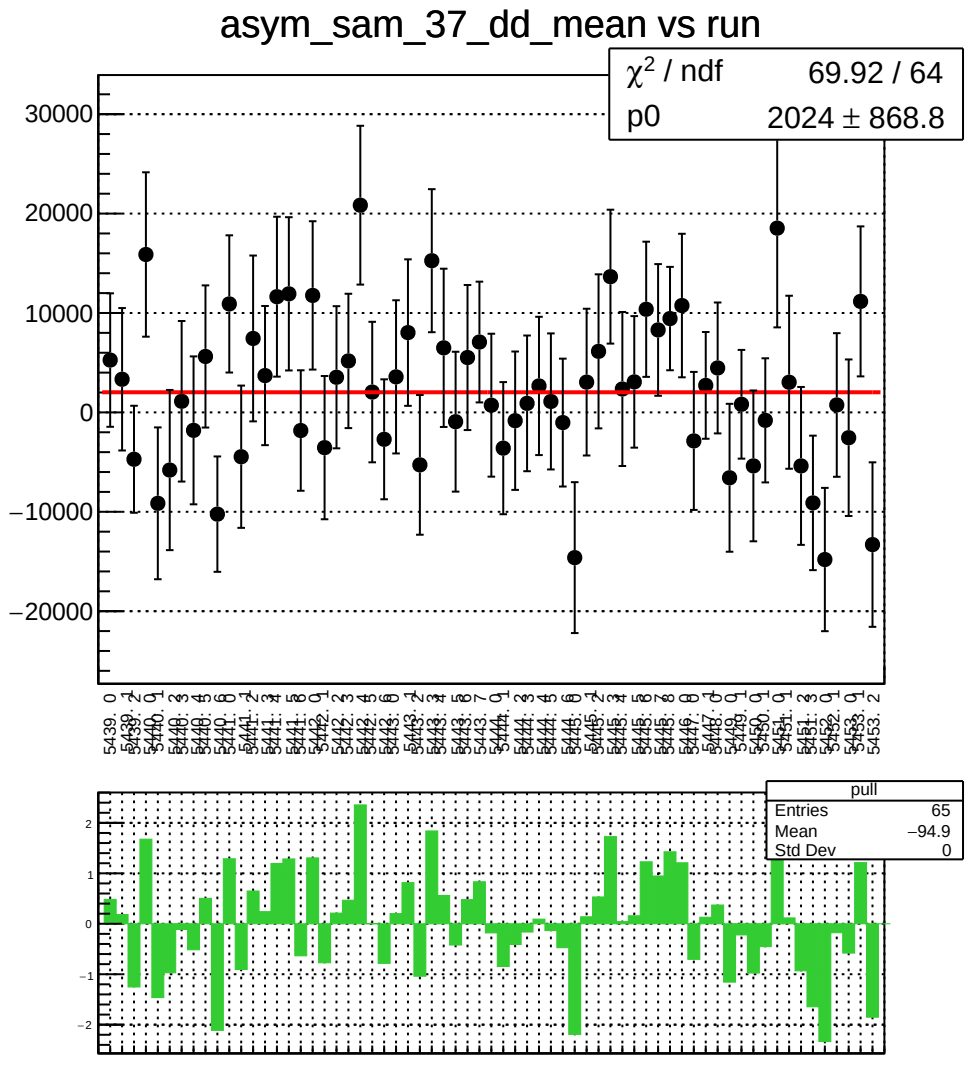

pull1D
Entries 65
Mean −0.01594
Std Dev 0.983

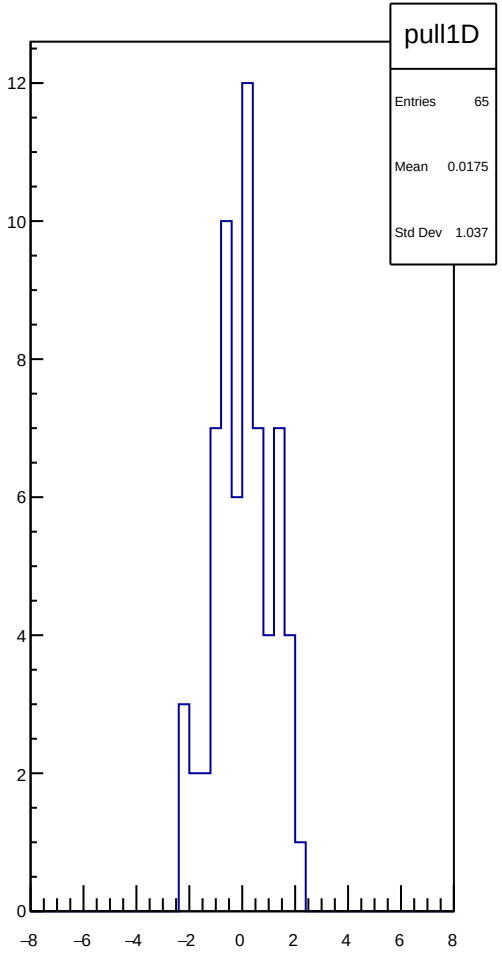

eigen_dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 9.823e+04 / 64
p0 95.55 ± 0.08661
450
400
350
300
250
200
150
100
50

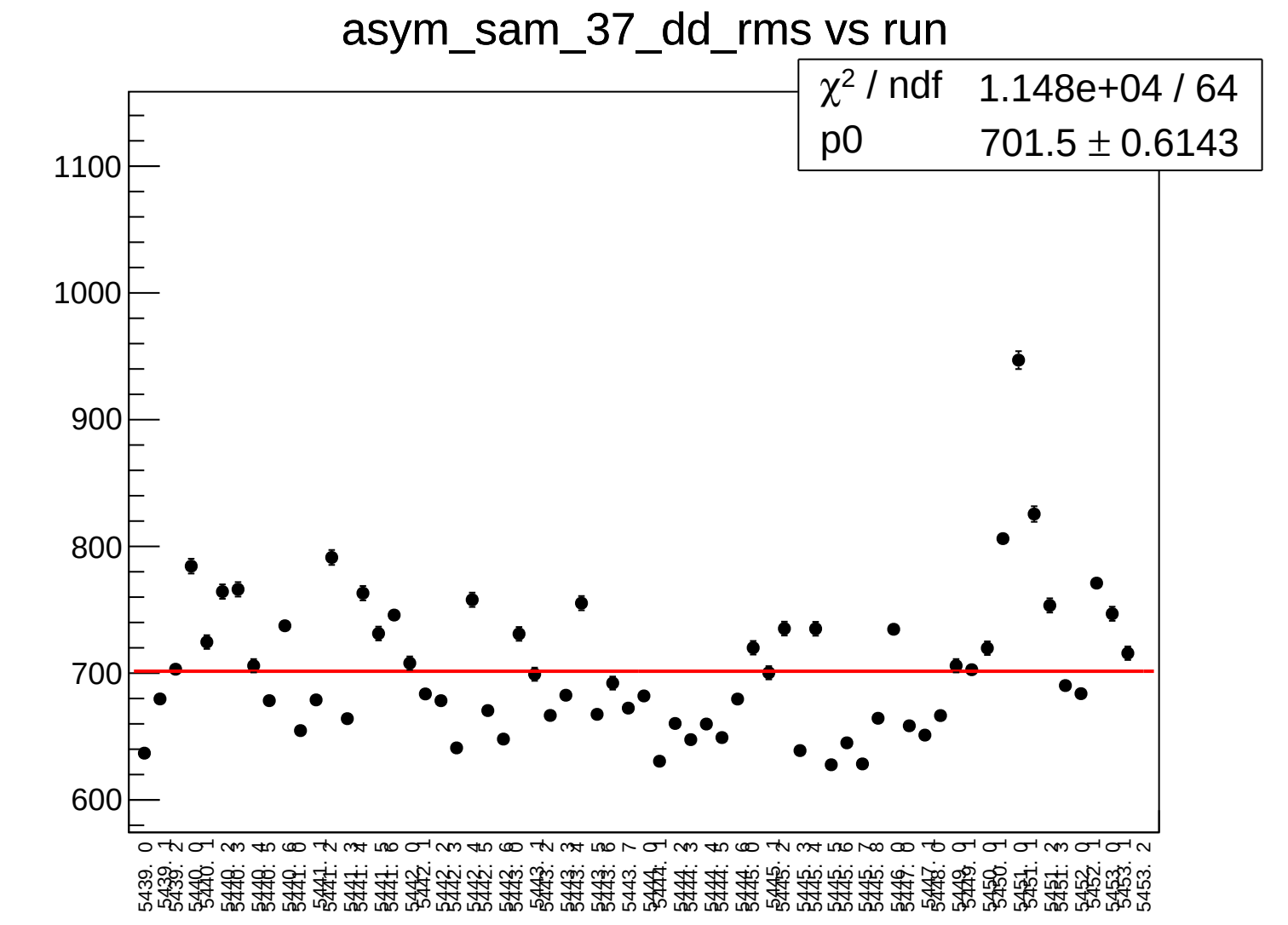

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 73.39 / 64
p0 −1569 ± 808
pull
Entries 65
Mean −38.04
Std Dev 0

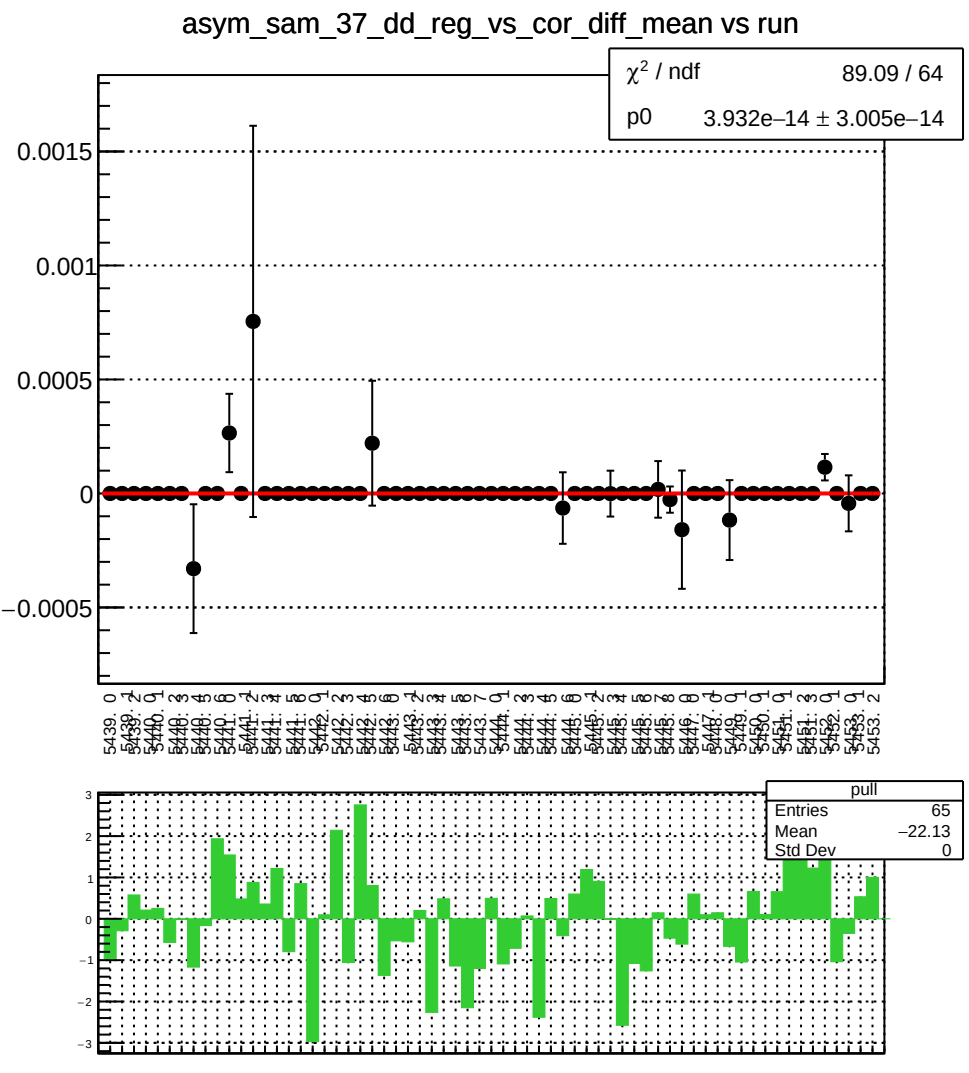

pull1D
Entries 65
Mean −0.03591
Std Dev 1.062

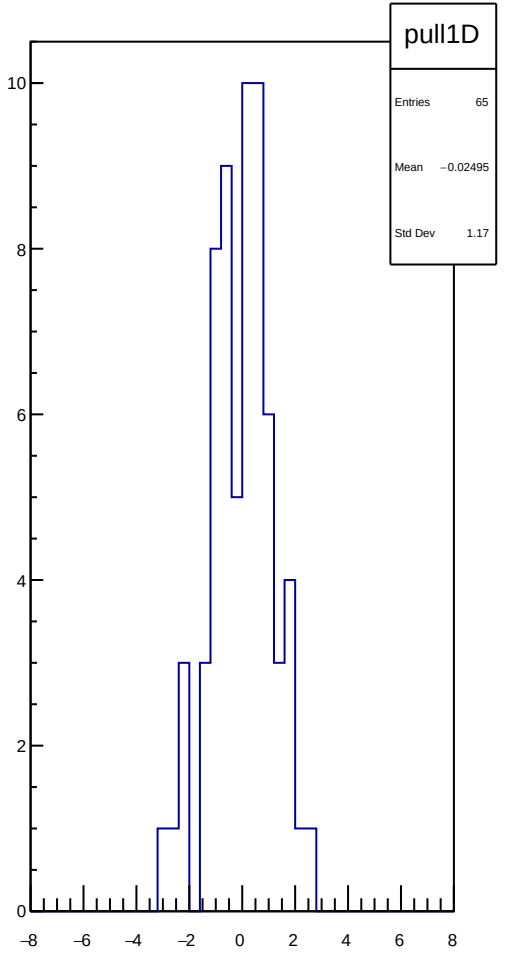

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3385 / 64
p0 654.4 ± 0.5713
740
720
700
680
660
640
620
600
580
560
540
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

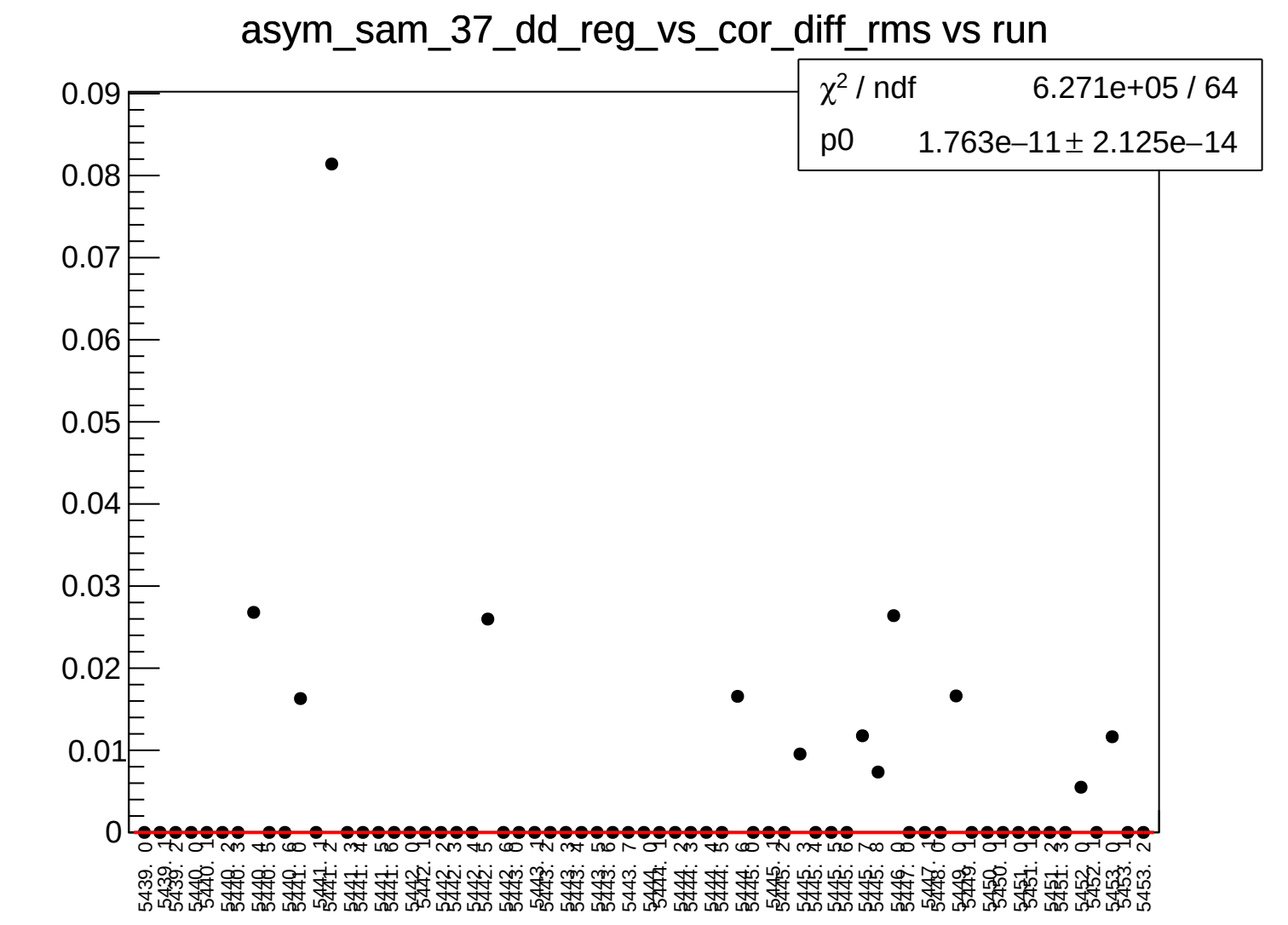

asym_sam_37_dd_mean vs run
χ^2 / ndf 69.92 / 64
p0 2024 ± 868.8
30000
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −94.9
Std Dev 0
2
1
0
−1
−2

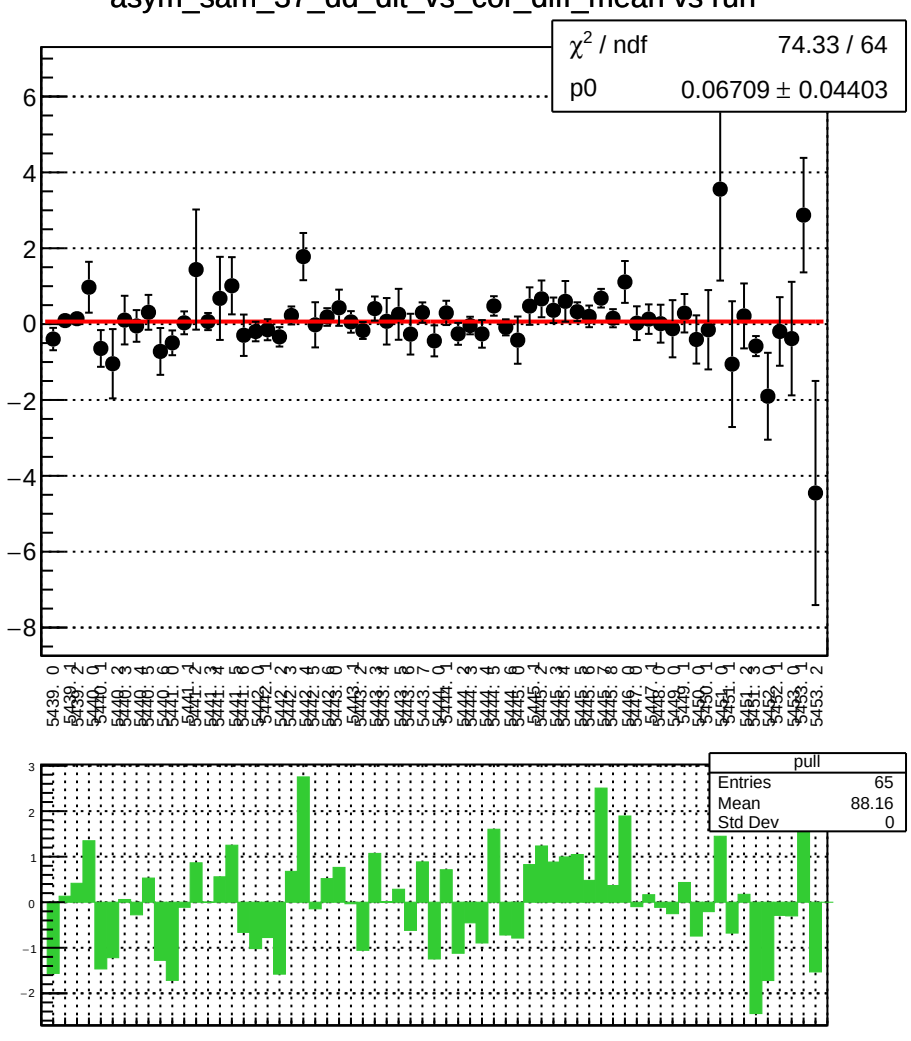

pull1D
Entries 65
Mean 0.0175
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

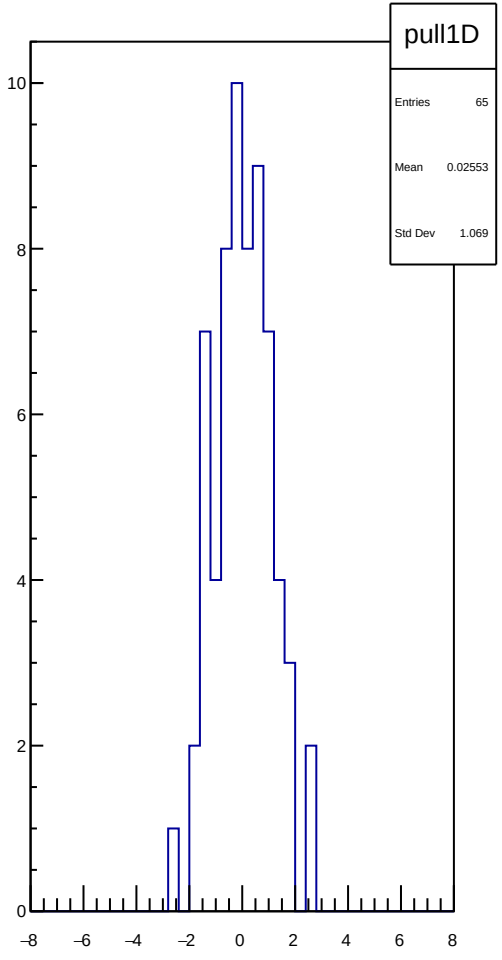

asym_sam_37_dd_rms vs run
χ² / ndf 1.148e+04 / 64
p0 701.5 ± 0.6143
1100
1000
900
800
700
600

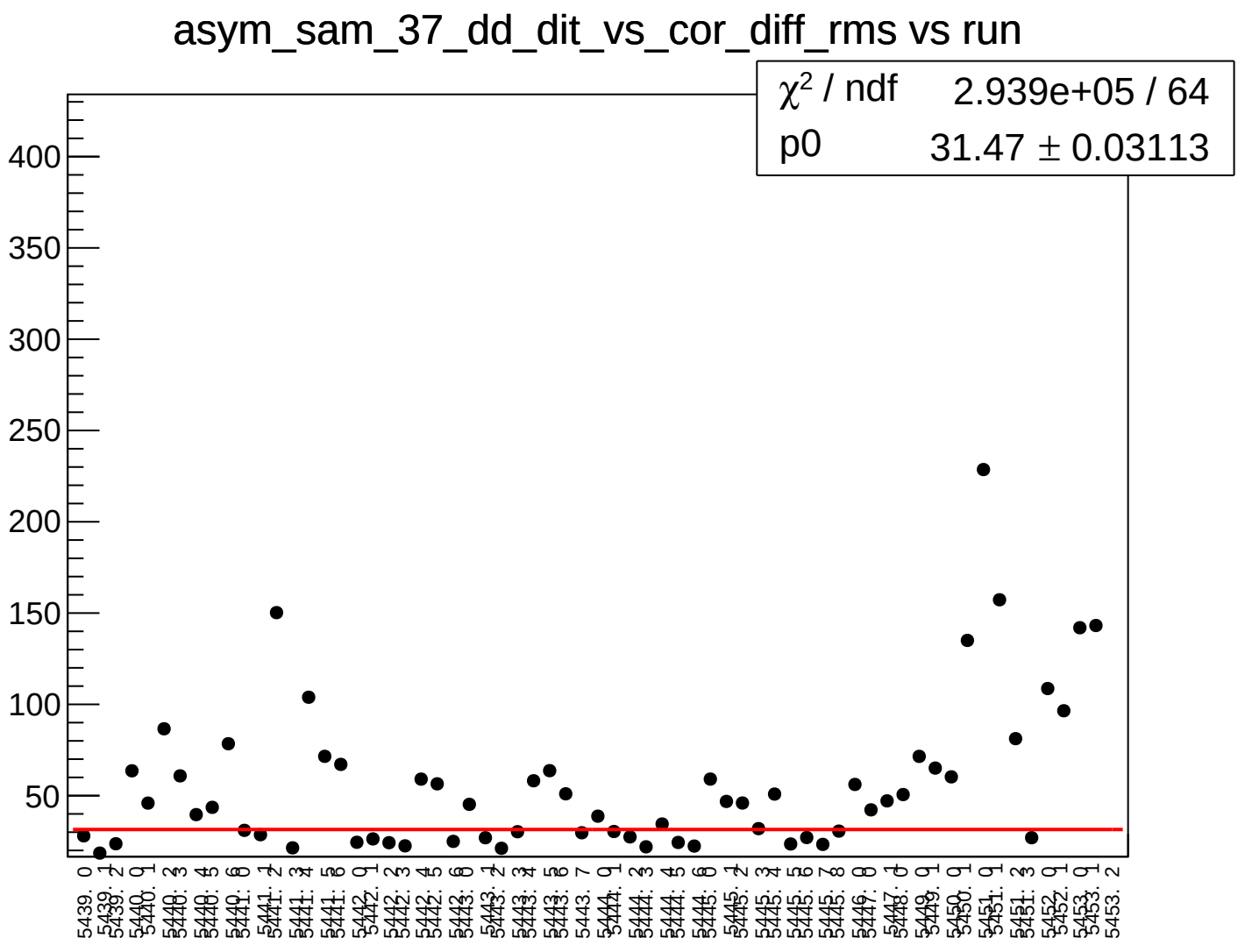

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 89.09 / 64
p0 3.932e−14 ± 3.005e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 65
Mean −22.13
Std Dev 0

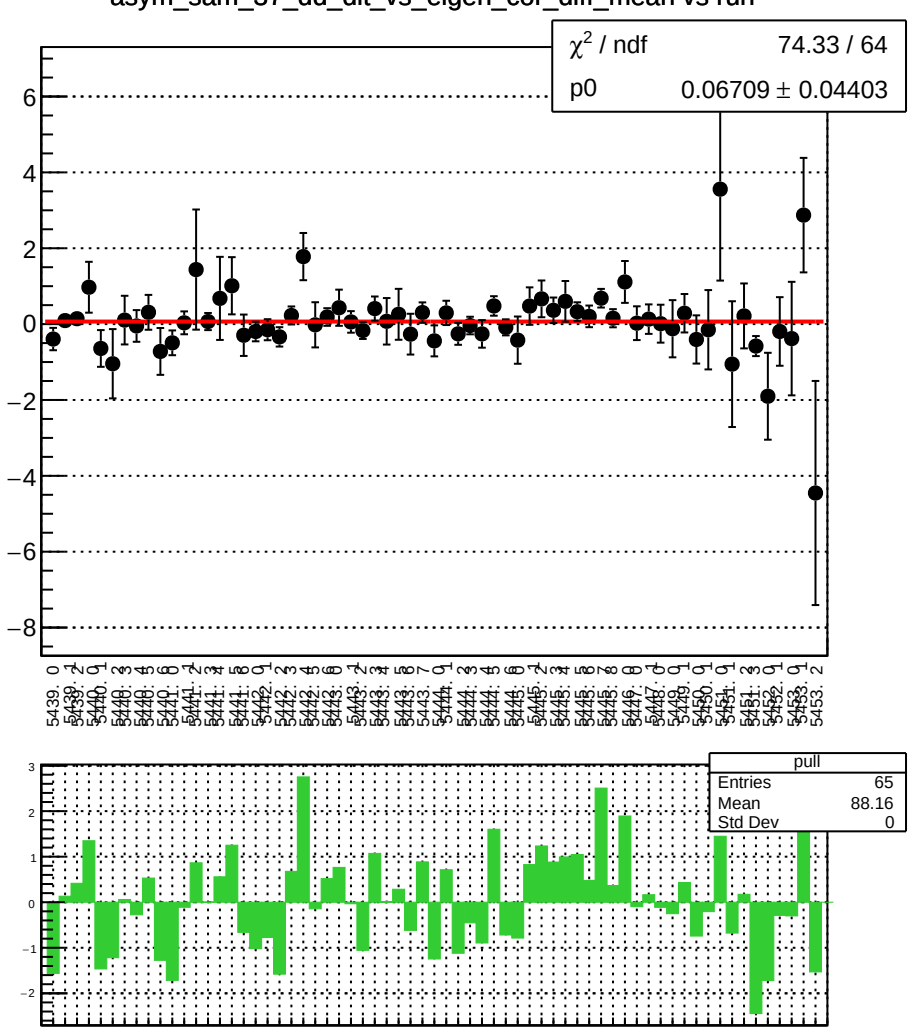

pull1D
Entries 65
Mean −0.02495
Std Dev 1.17

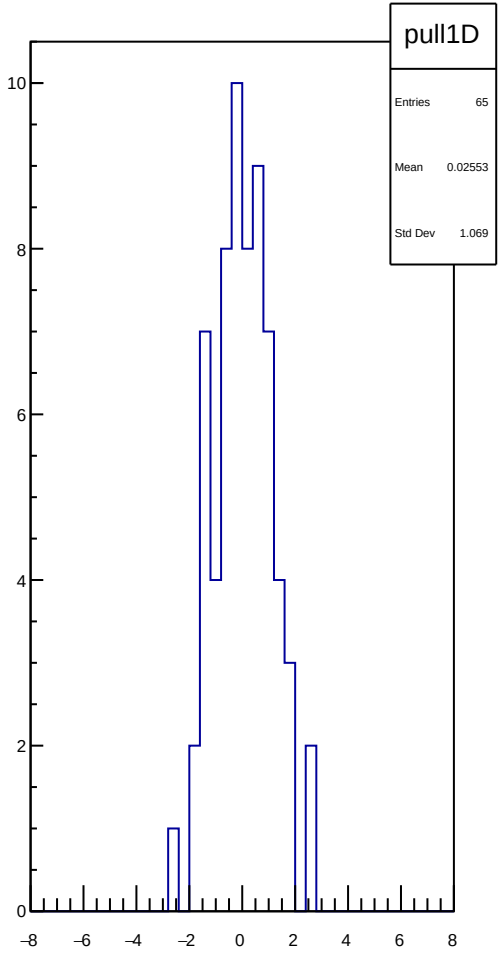

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.271e+05 / 64
p0 1.763e−11 ± 2.125e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

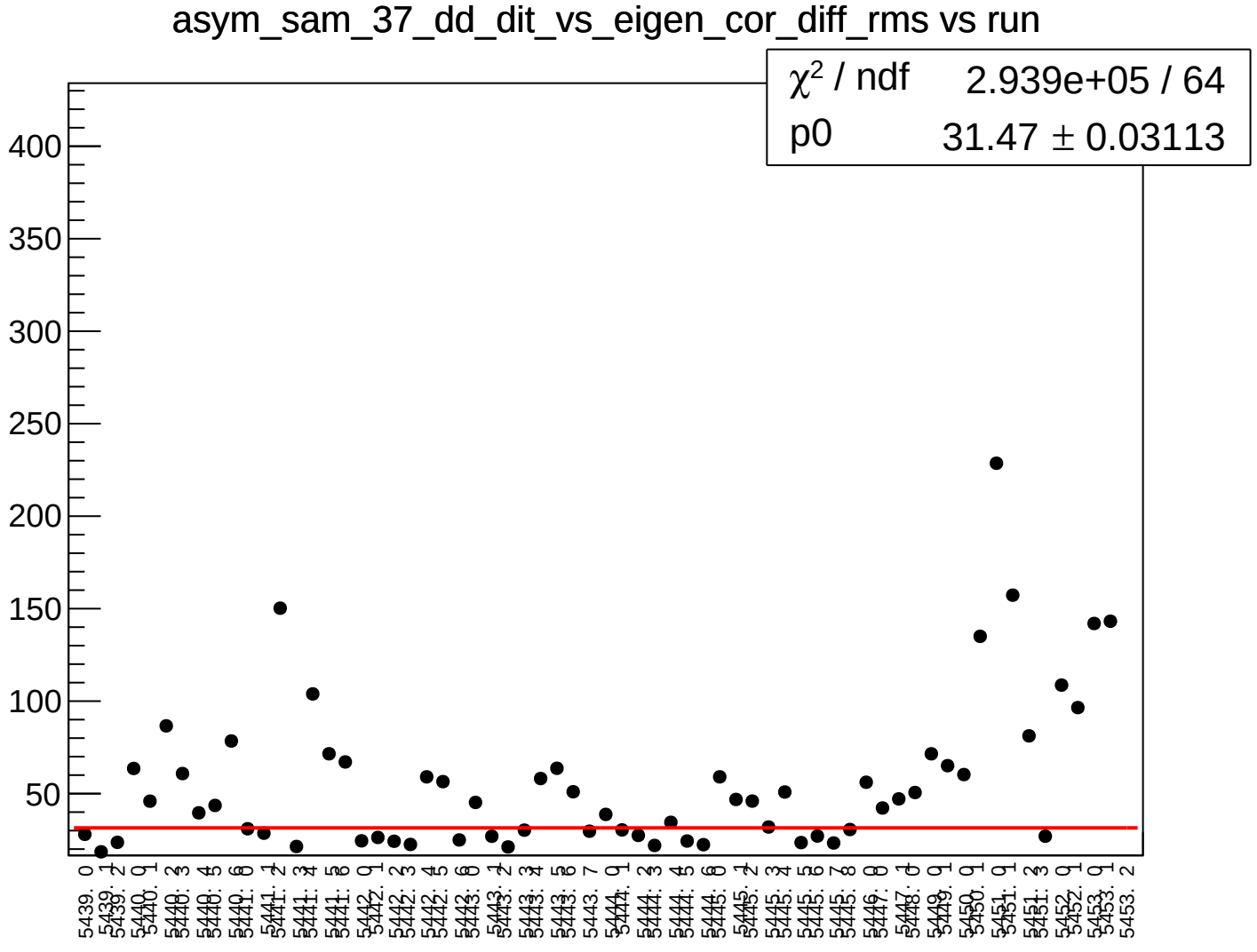

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.33 / 64
p0 0.06709 ± 0.04403
pull
Entries 65
Mean 88.16
Std Dev 0

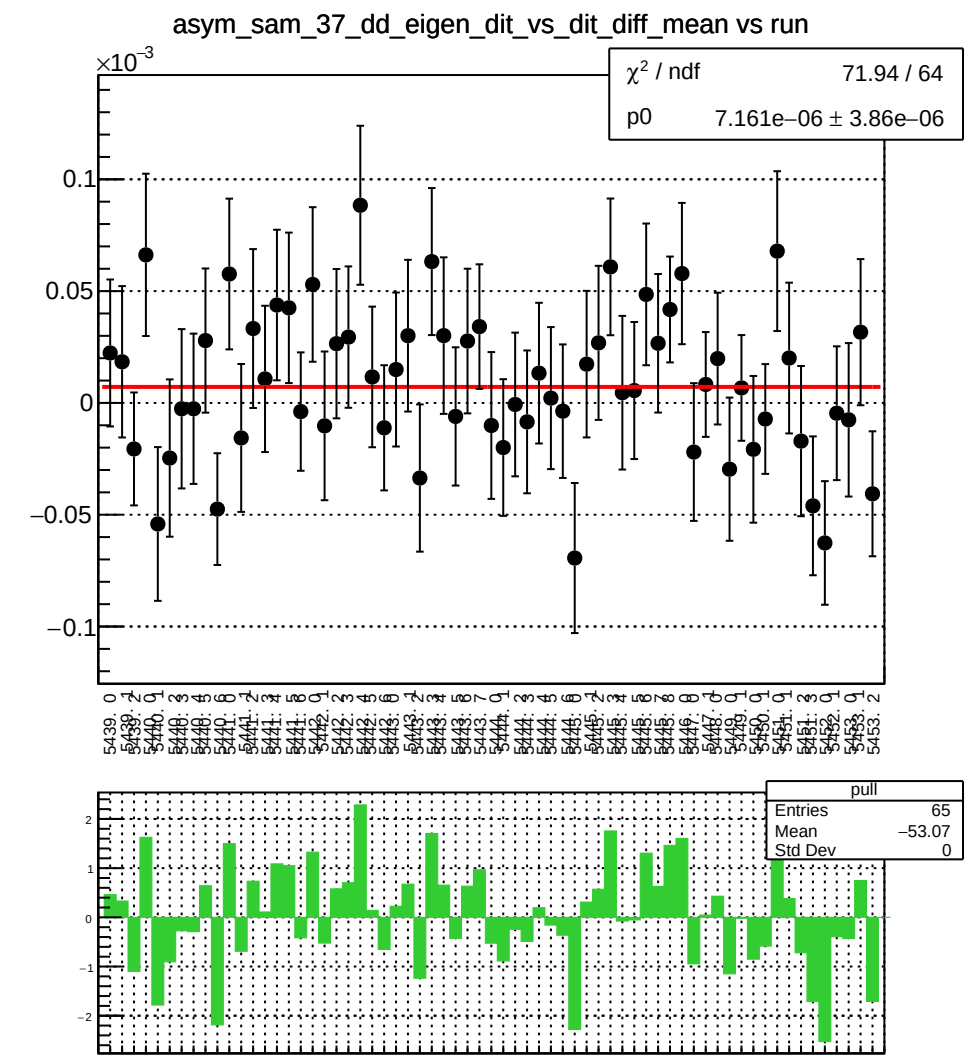

pull1D
Entries 65
Mean 0.02553
Std Dev 1.069

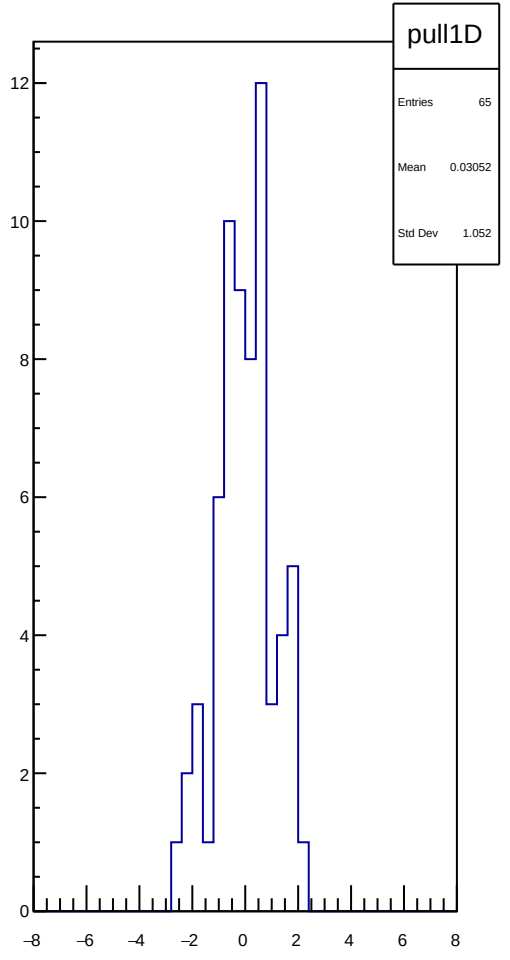

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.939e+05 / 64
p0 31.47 ± 0.03113
400
350
300
250
200
150
100
50

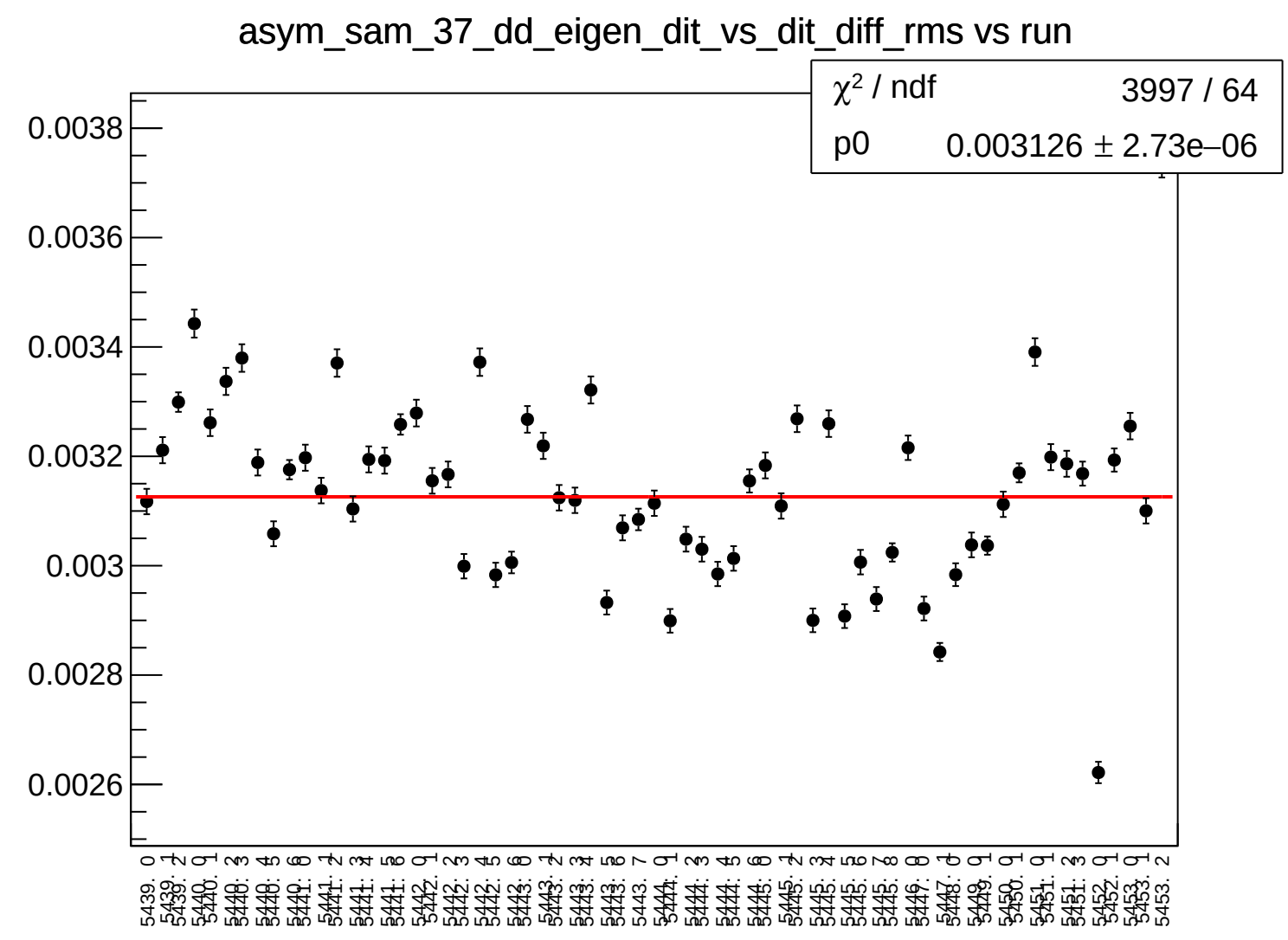

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.33 / 64
p0 0.06709 ± 0.04403
pull
Entries 65
Mean 88.16
Std Dev 0

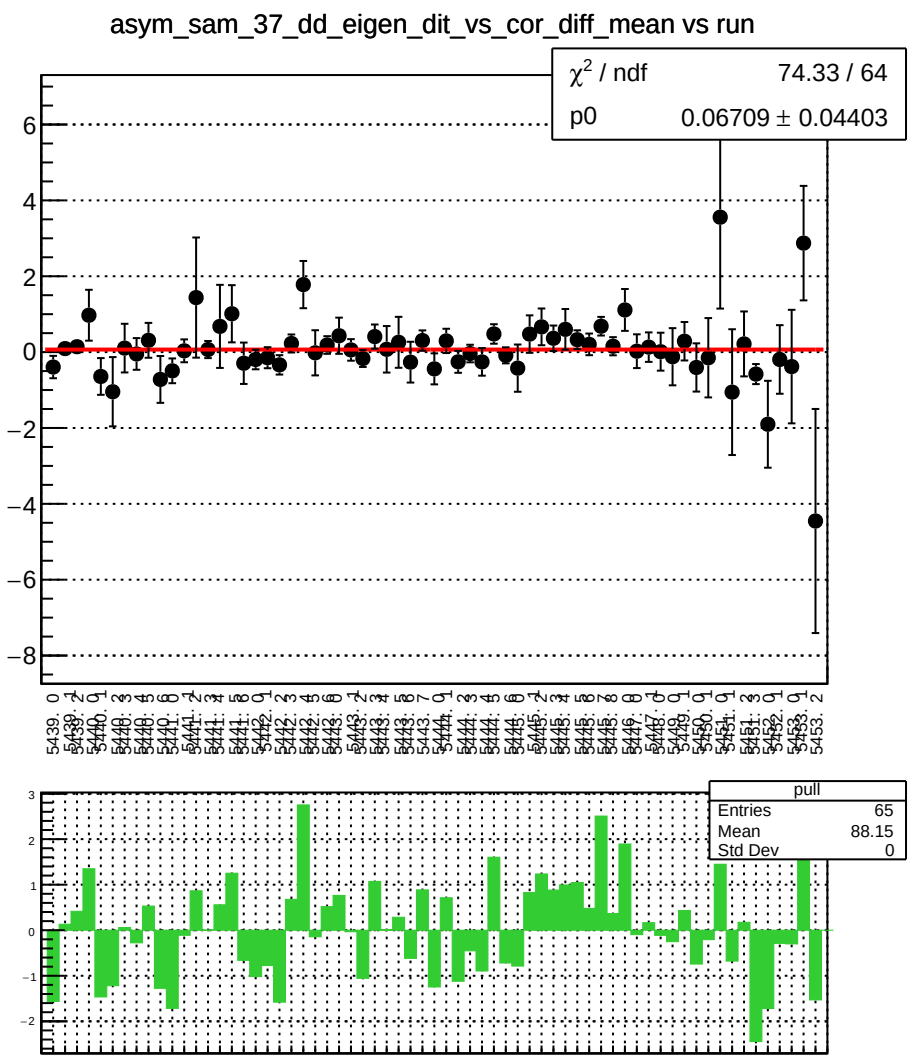

pull1D
Entries 65
Mean 0.02553
Std Dev 1.069

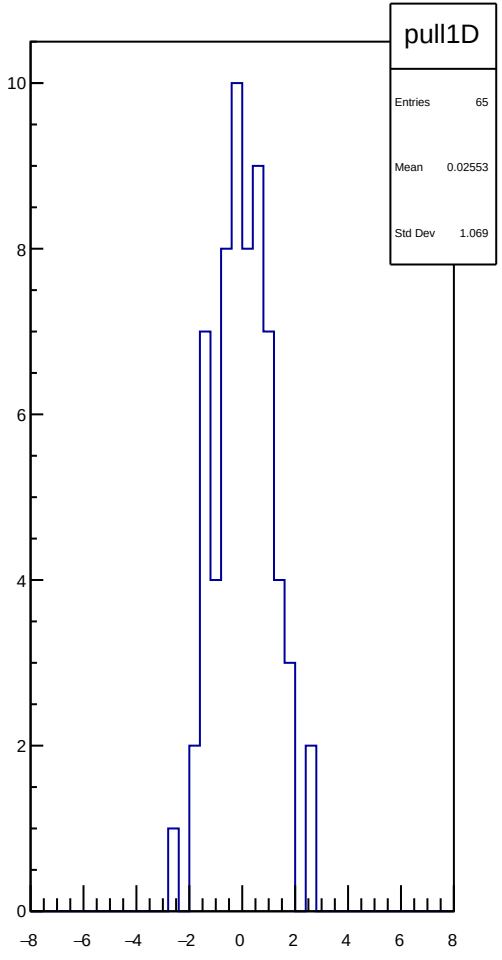

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.939e+05 / 64
p0 31.47 ± 0.03113
400
350
300
250
200
150
100
50

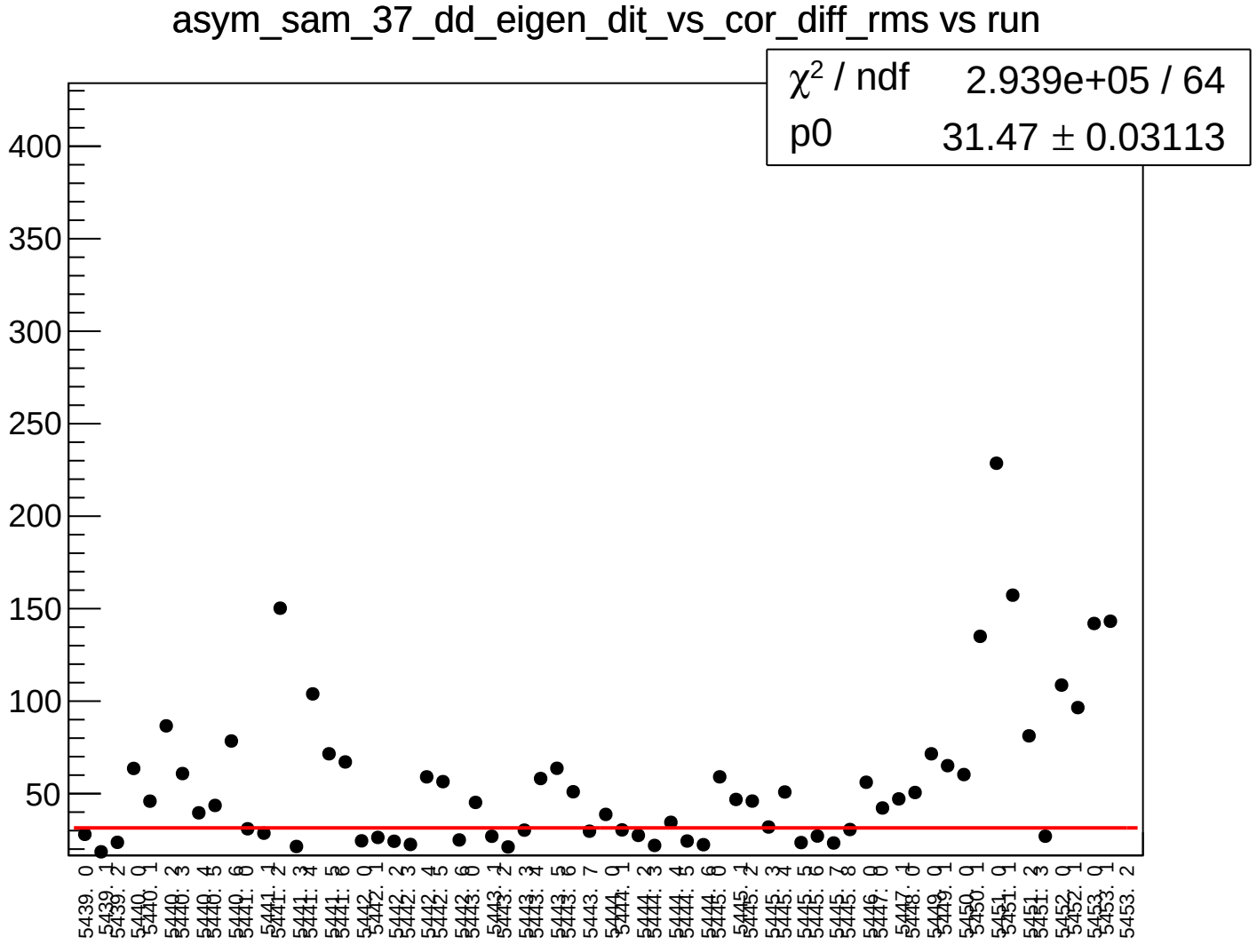

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.94 / 64
p0 7.161e−06 ± 3.86e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 65
Mean −53.07
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 65
Mean 0.03052
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

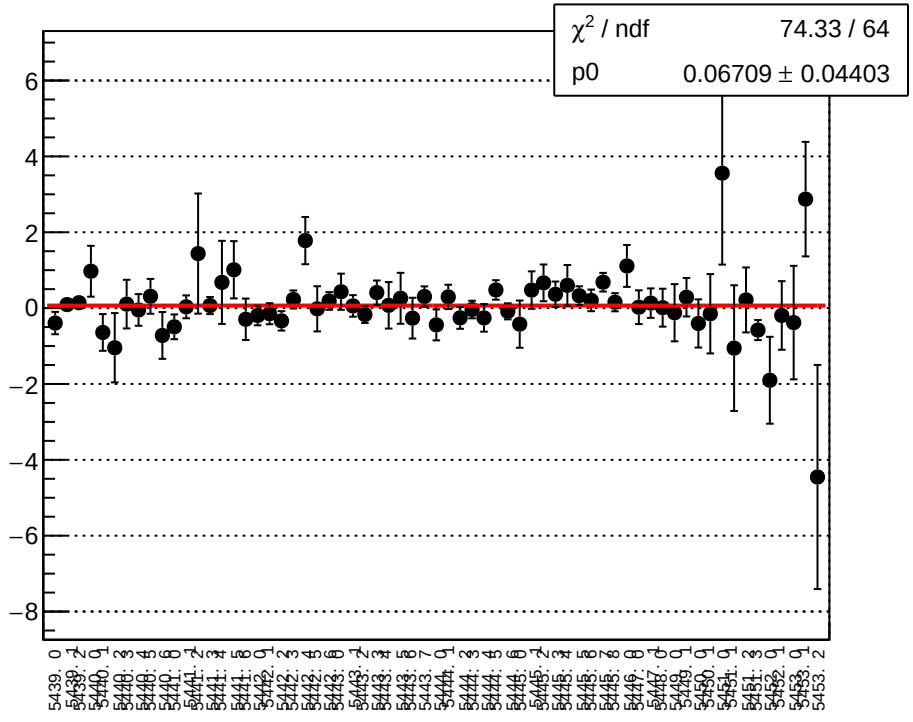

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3997 / 64
p0 0.003126 ± 2.73e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026

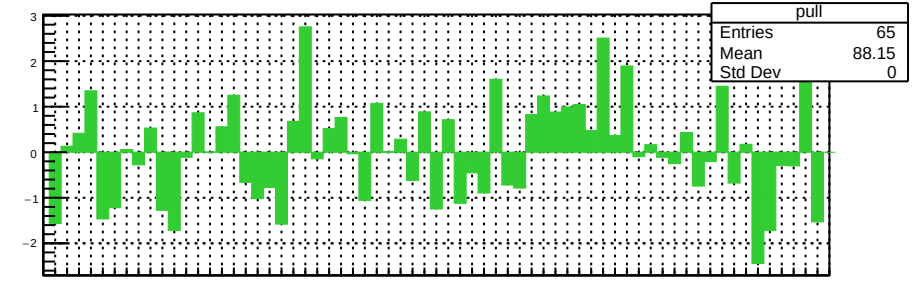

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.33 / 64
p0 0.06709 ± 0.04403
pull
Entries 65
Mean 88.15
Std Dev 0

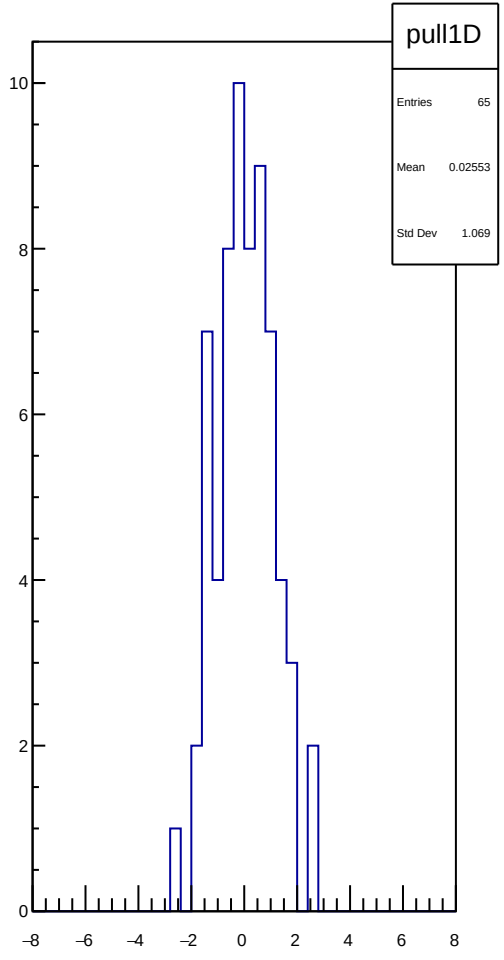

pull1D
Entries 65
Mean 0.02553
Std Dev 1.069

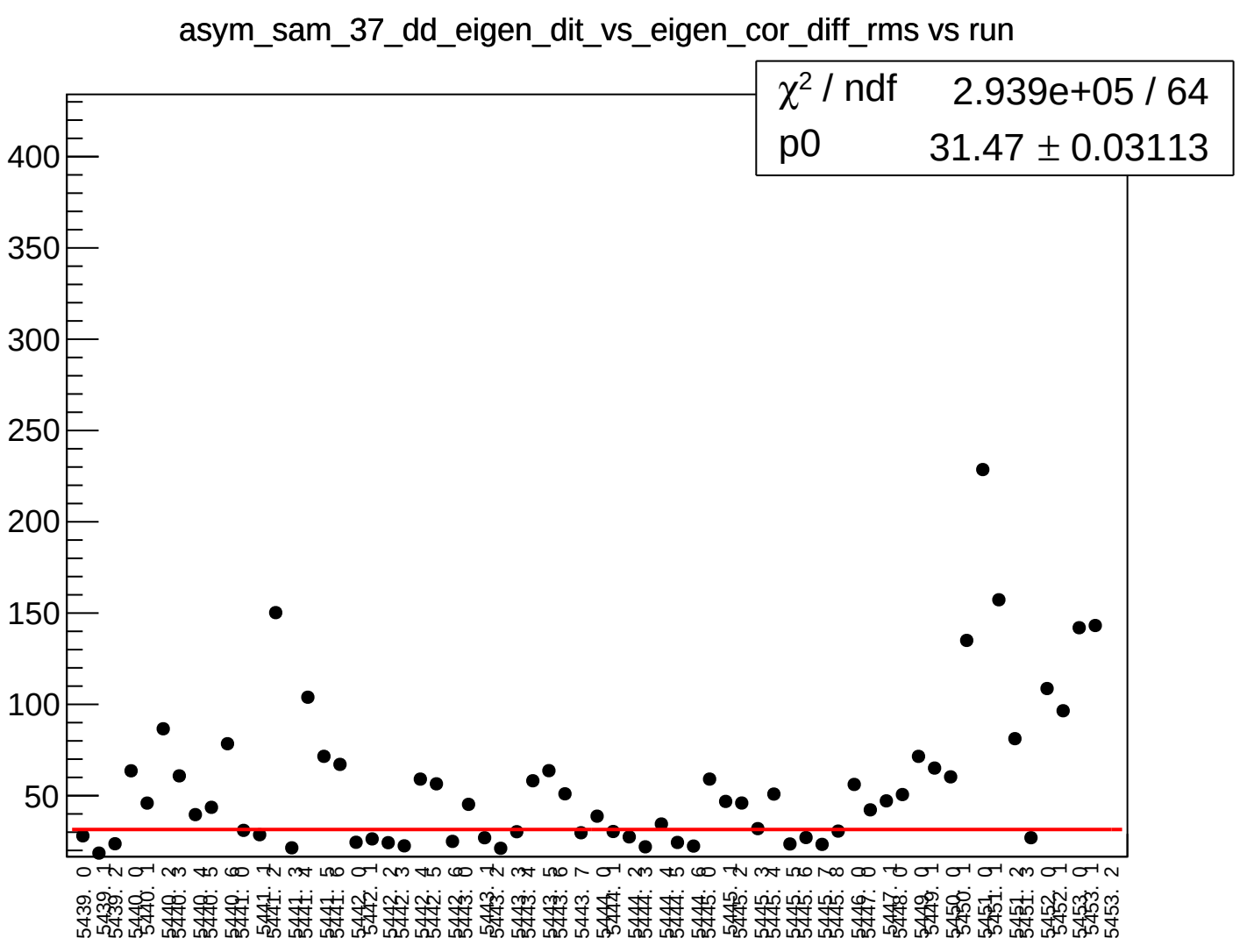

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.939e+05 / 64
p0 31.47 ± 0.03113
400
350
300
250
200
150
100
50

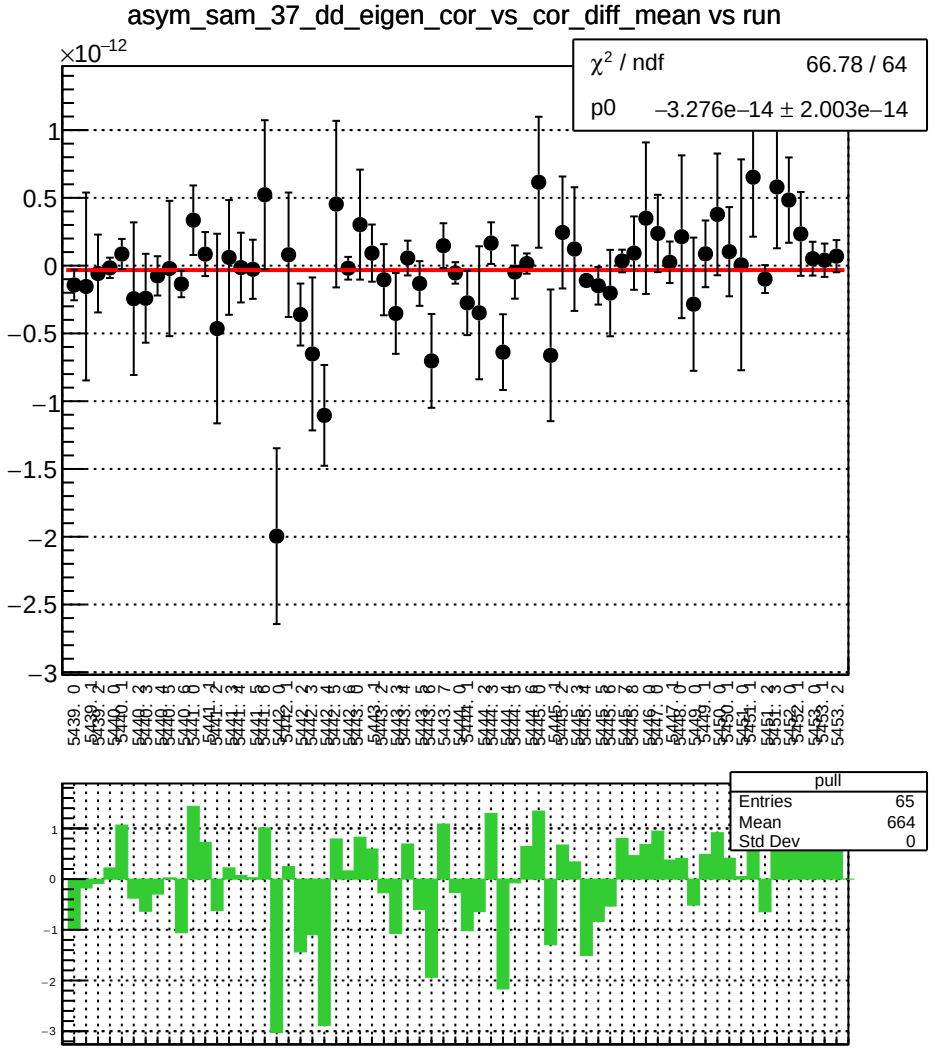
asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

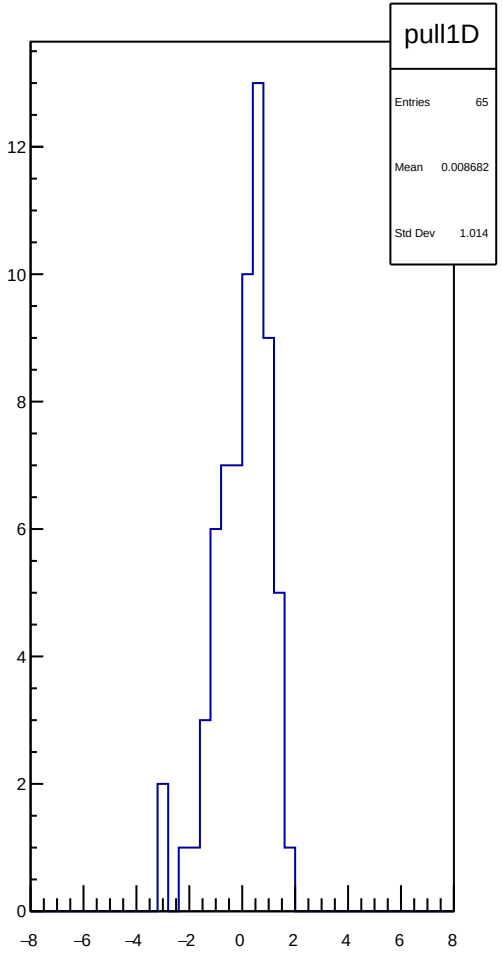


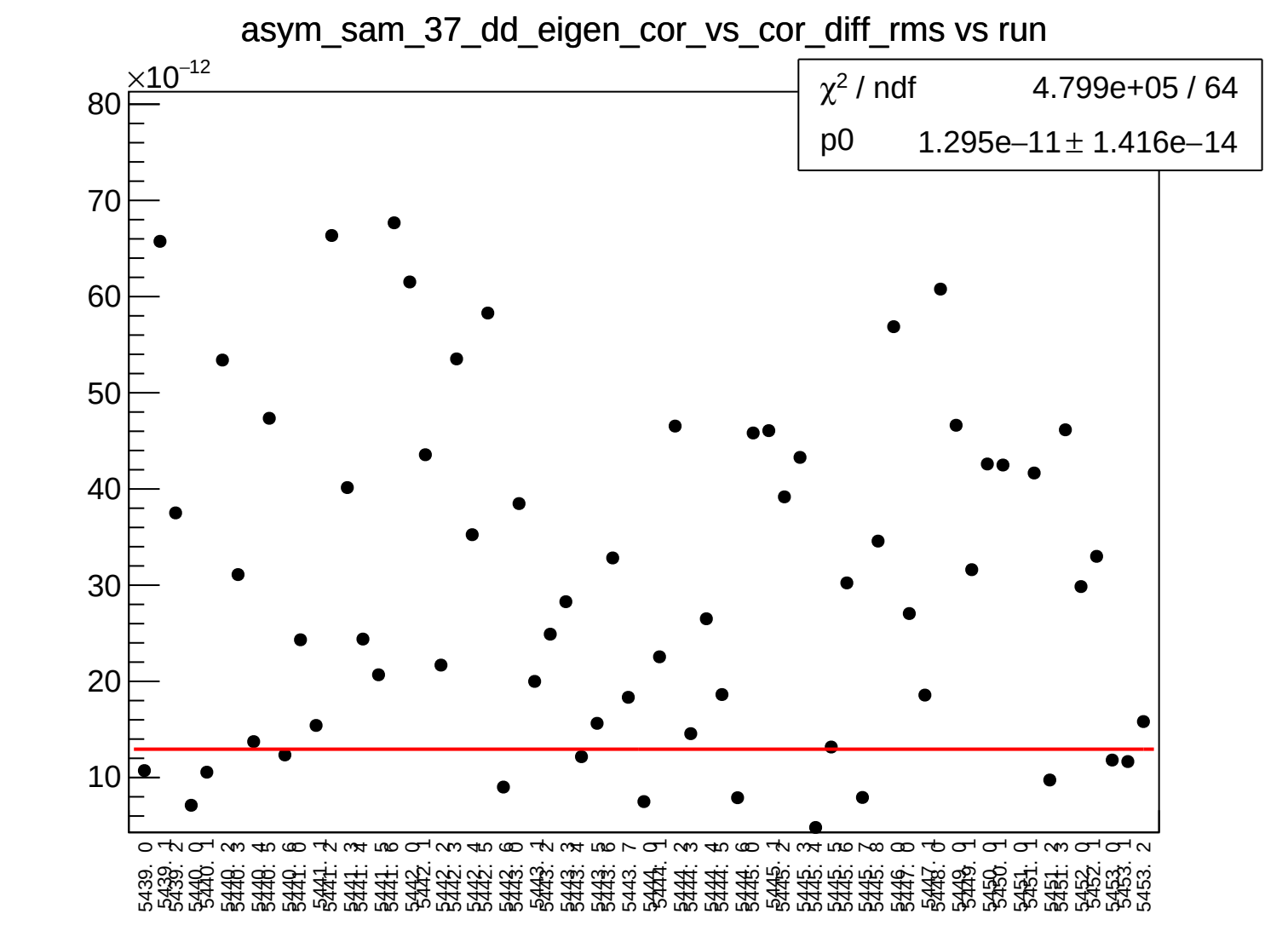


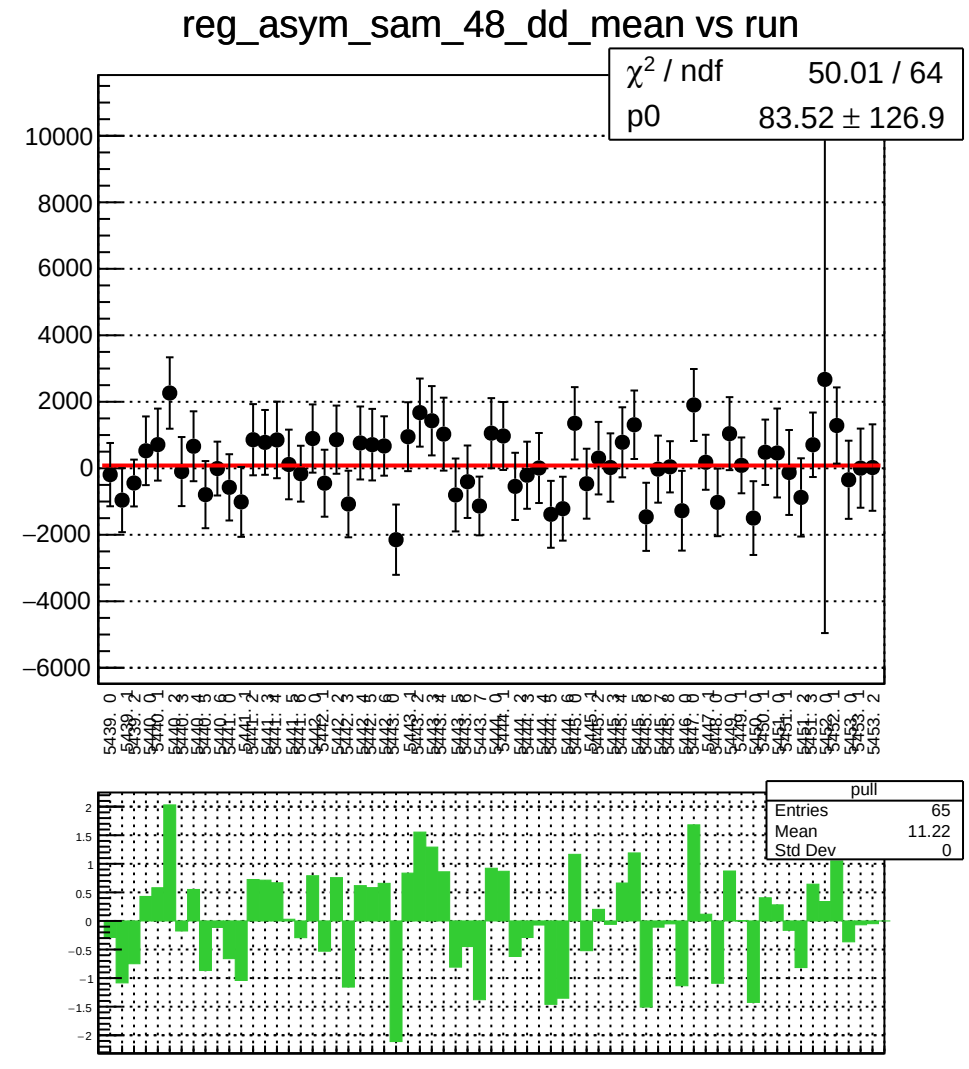


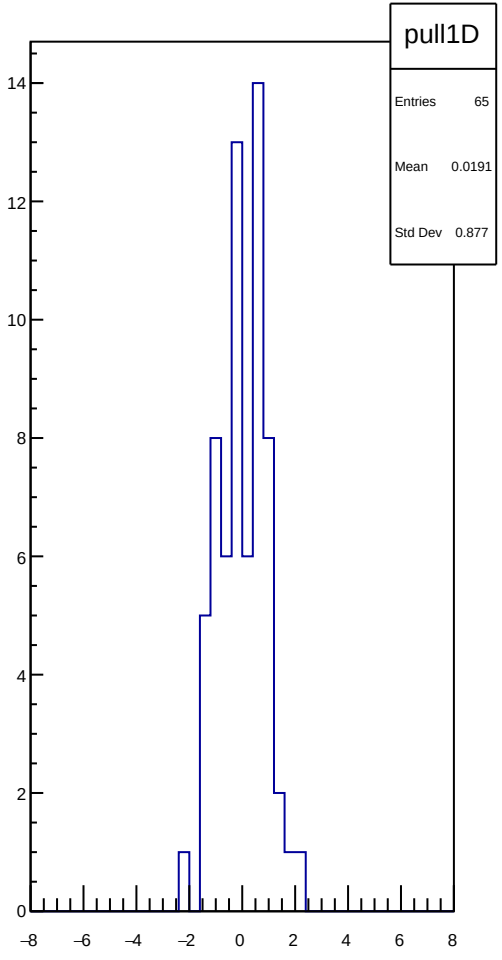

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.939e+05 / 64
p0 31.47 ± 0.03113
400
350
300
250
200
150
100
50

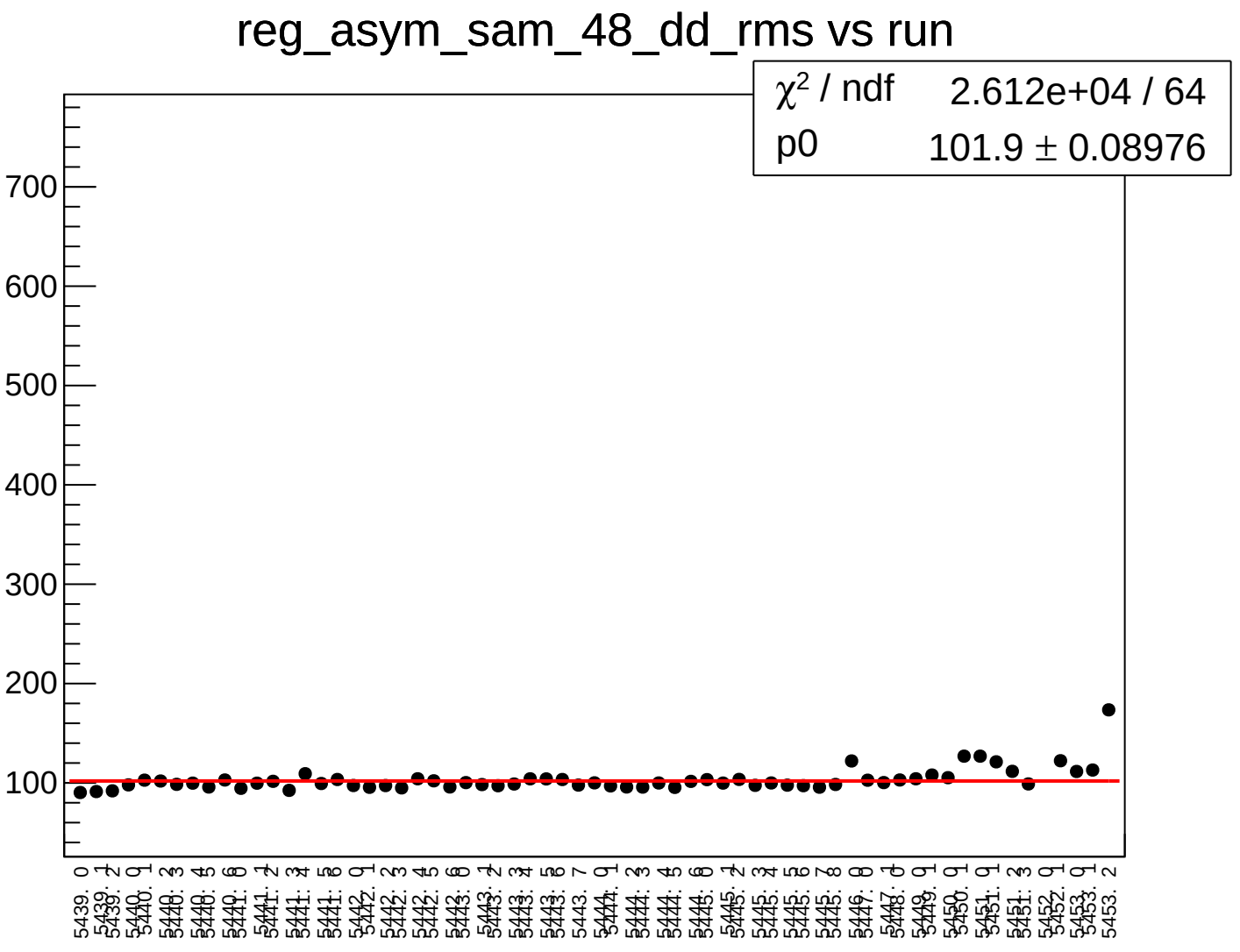

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.78 / 64
p0 −3.276e−14 ± 2.003e−14
pull
Entries 65
Mean 664
Std Dev 0

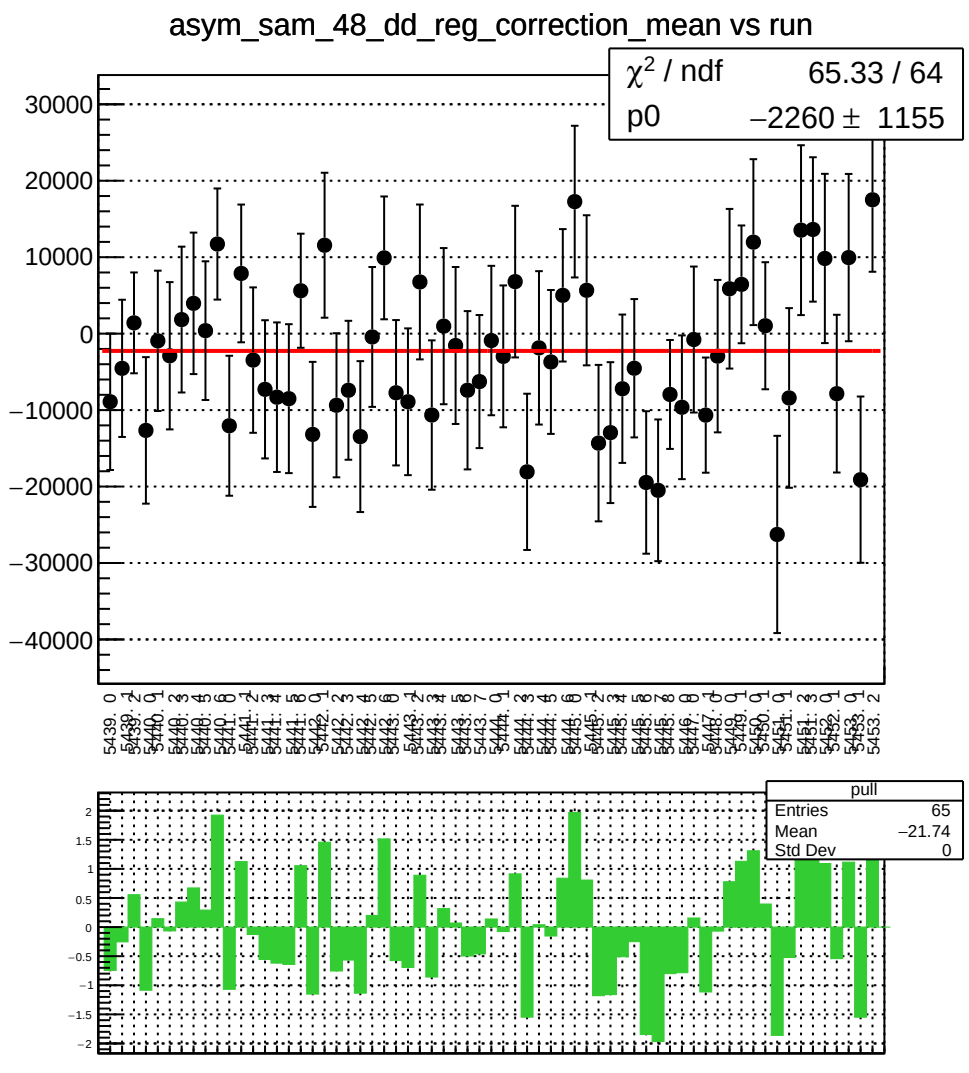

pull1D
Entries 65
Mean 0.008682
Std Dev 1.014

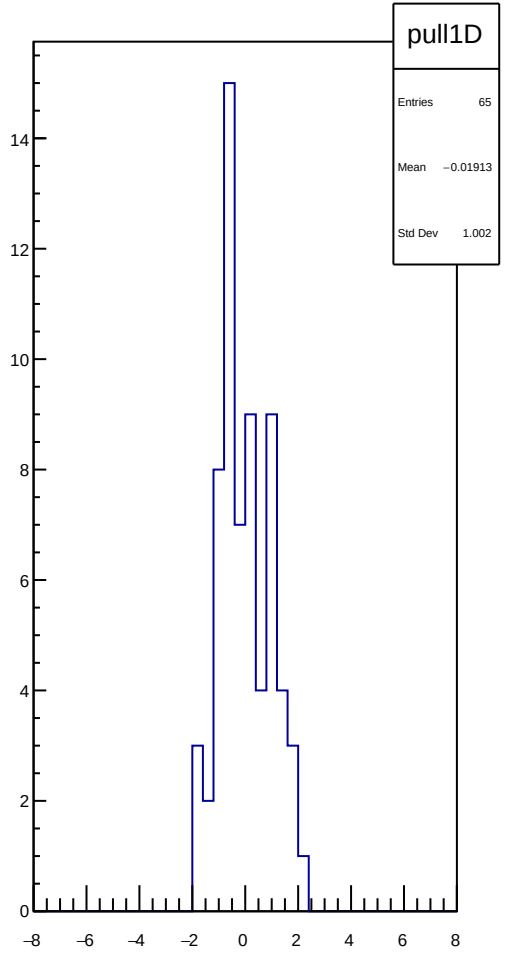

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.799e+05 / 64
p0 1.295e−11 ± 1.416e−14
80
70
60
50
40
30
20
10

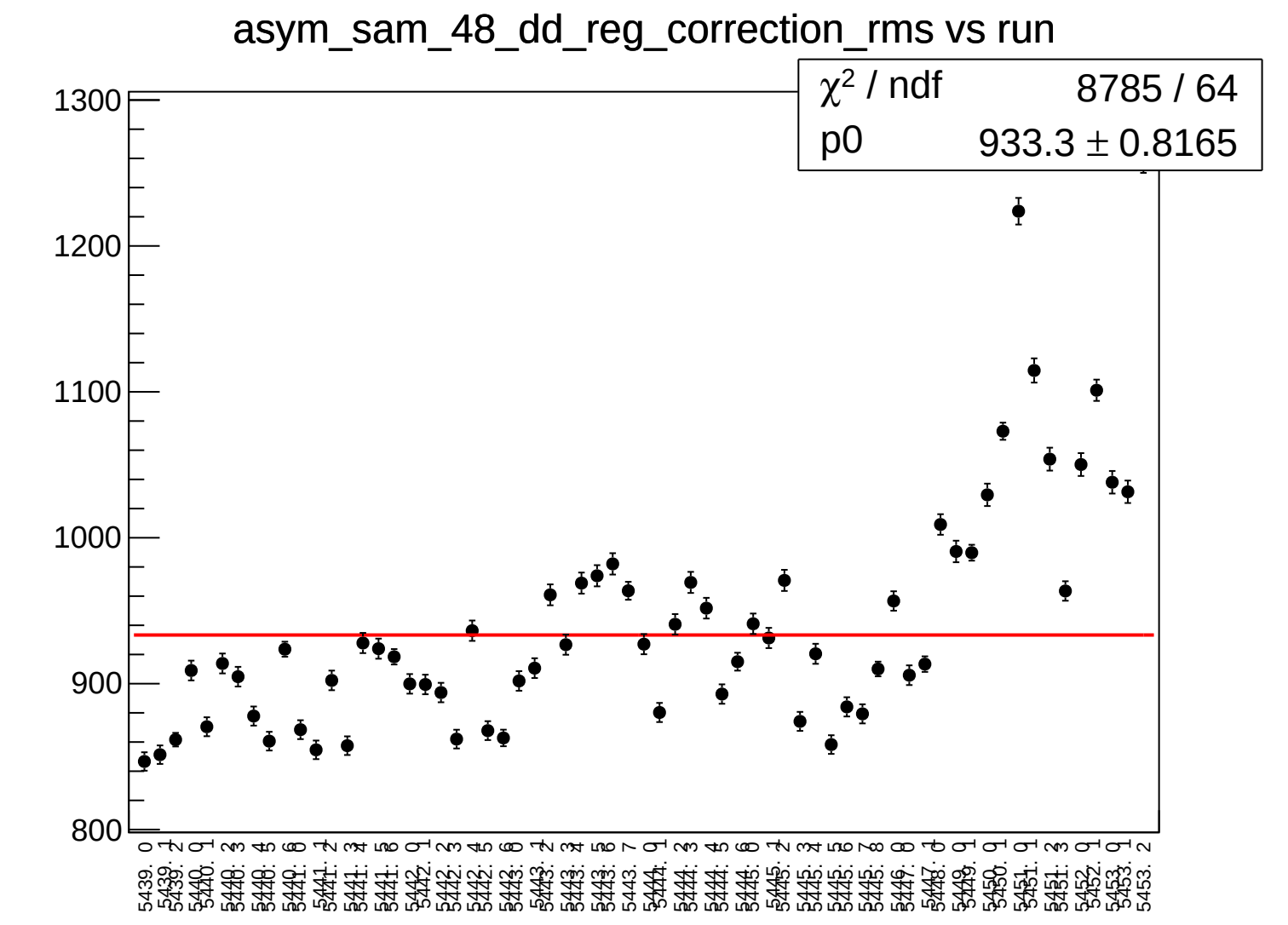

reg_asym_sam_48_dd_mean vs run
χ² / ndf 50.01 / 64
p0 83.52 ± 126.9
pull
Entries 65
Mean 11.22
Std Dev 0

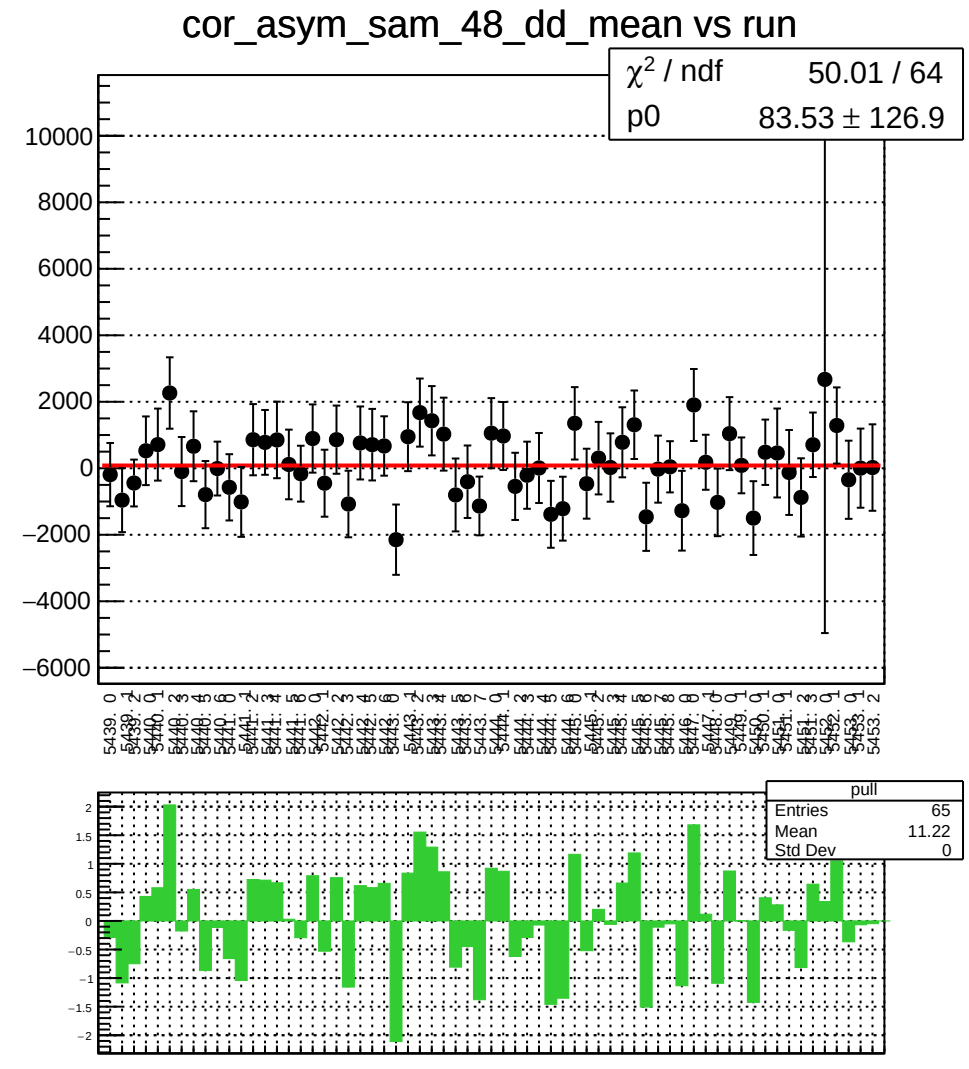

pull1D
Entries 65
Mean 0.0191
Std Dev 0.877

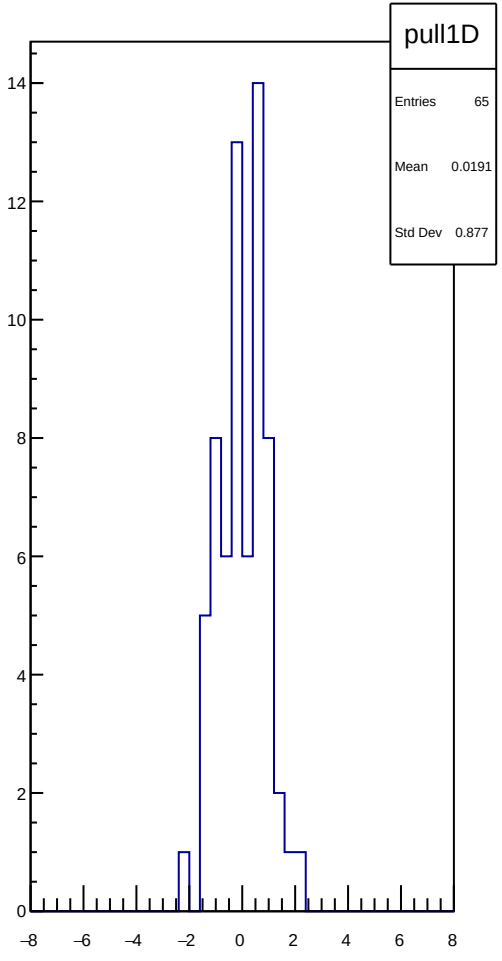

reg_asym_sam_48_dd_rms vs run
χ² / ndf 2.612e+04 / 64
p0 101.9 ± 0.08976
700
600
500
400
300
200
100

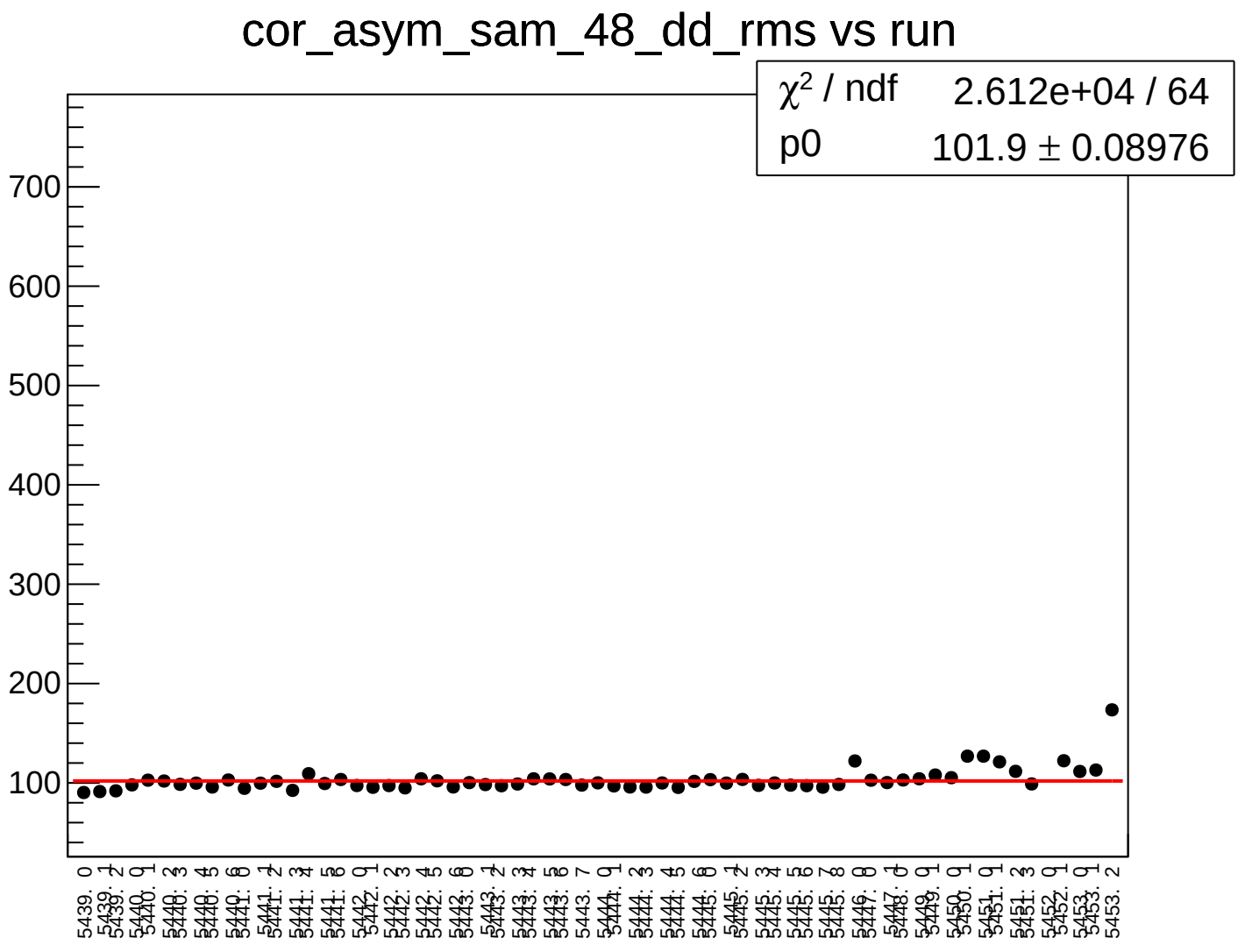

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 65.33 / 64
p0 −2260 ± 1155
pull
Entries 65
Mean −21.74
Std Dev 0

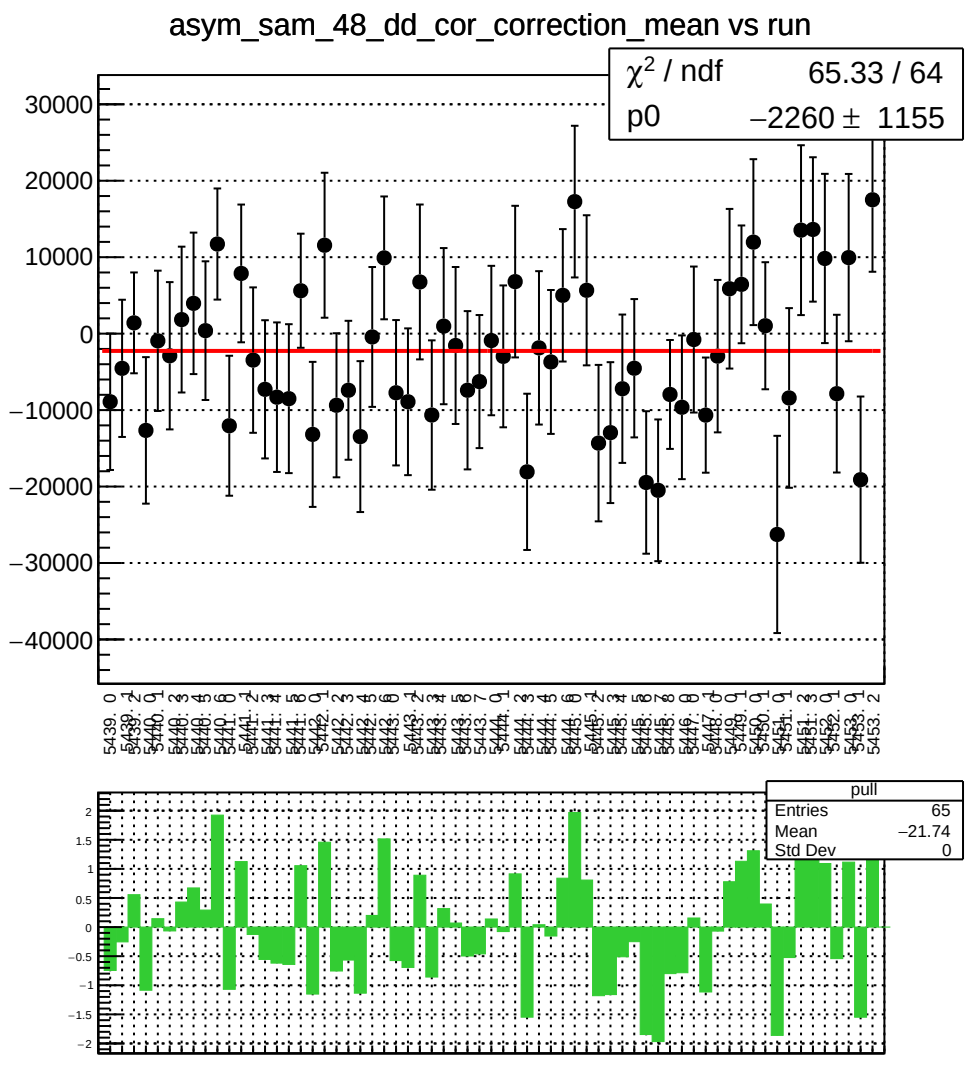

pull1D
Entries 65
Mean −0.01913
Std Dev 1.002

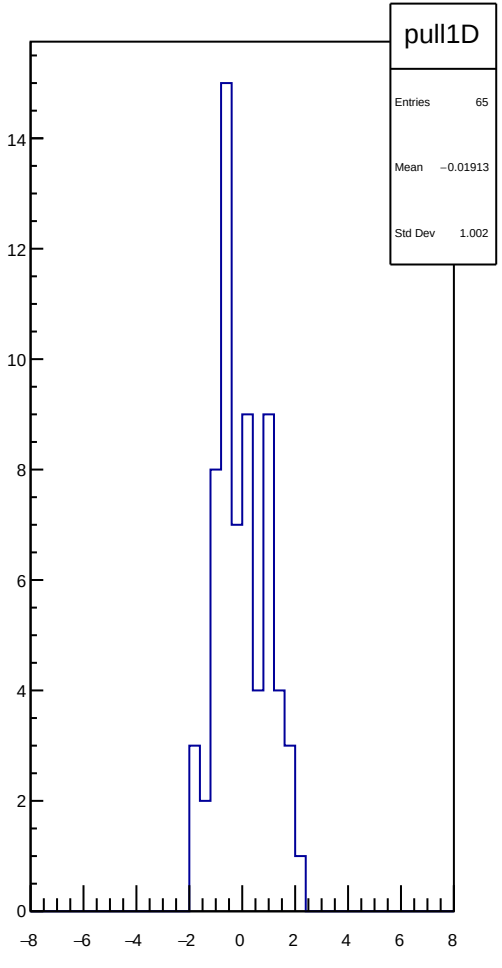

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 8785 / 64
p0 933.3 ± 0.8165
1300
1200
1100
1000
900
800

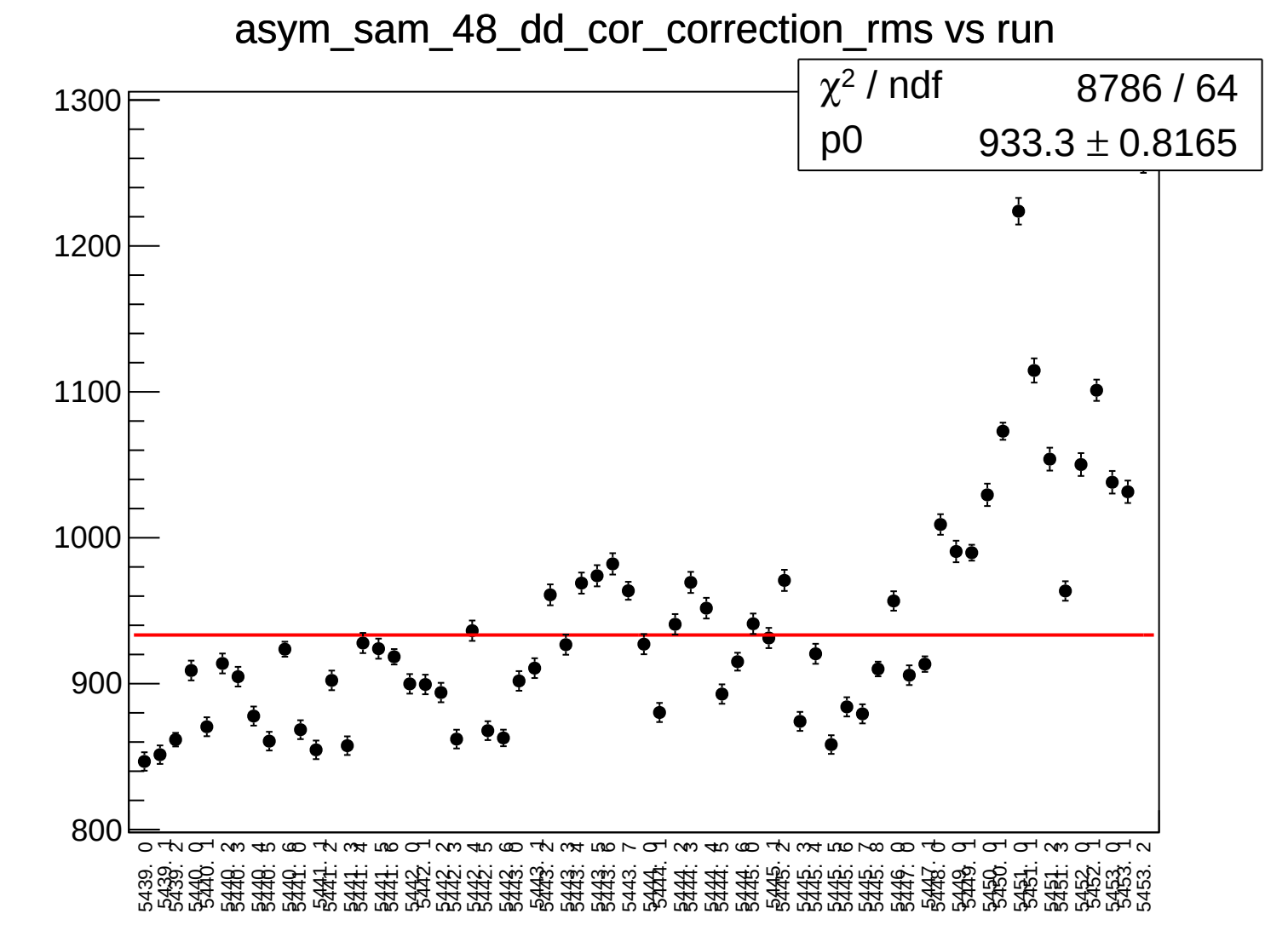

cor_asym_sam_48_dd_mean vs run
χ² / ndf 50.01 / 64
p0 83.53 ± 126.9
pull
Entries 65
Mean 11.22
Std Dev 0

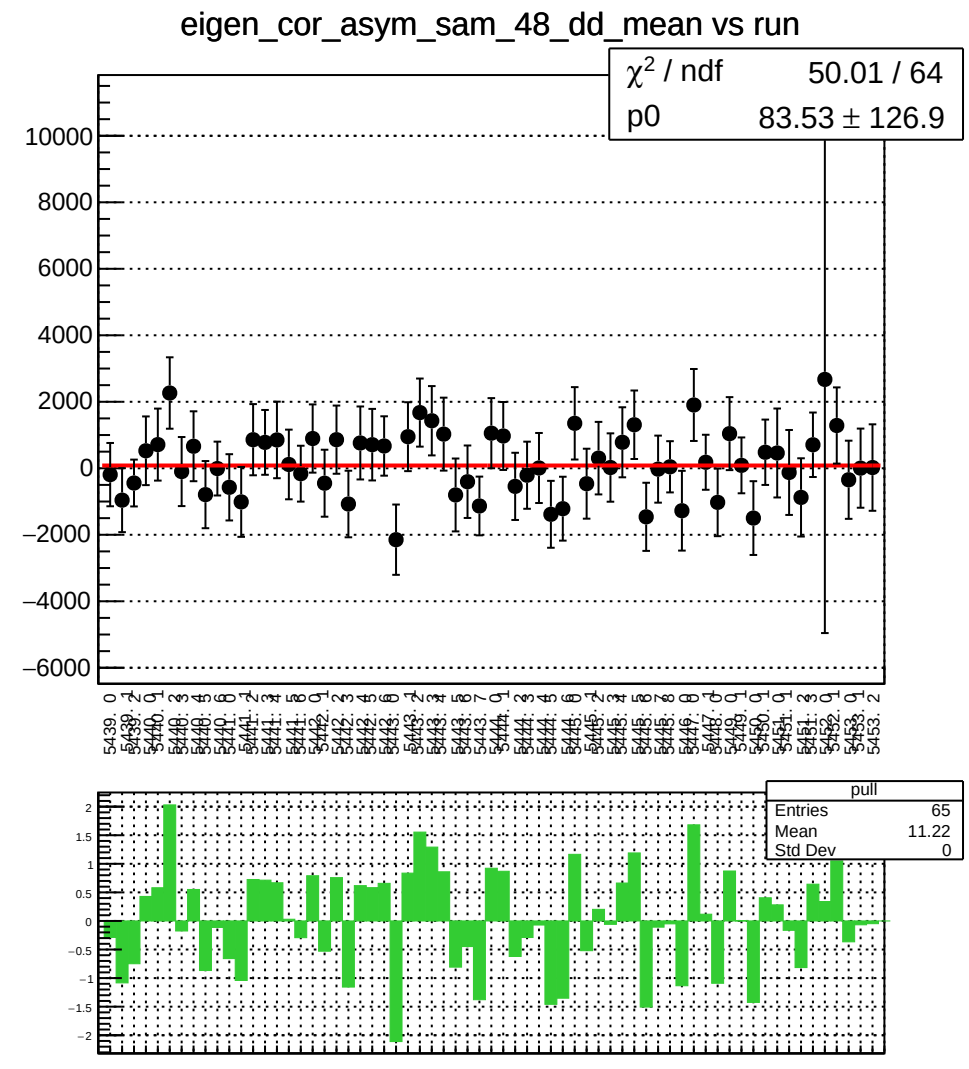

pull1D
Entries 65
Mean 0.0191
Std Dev 0.877

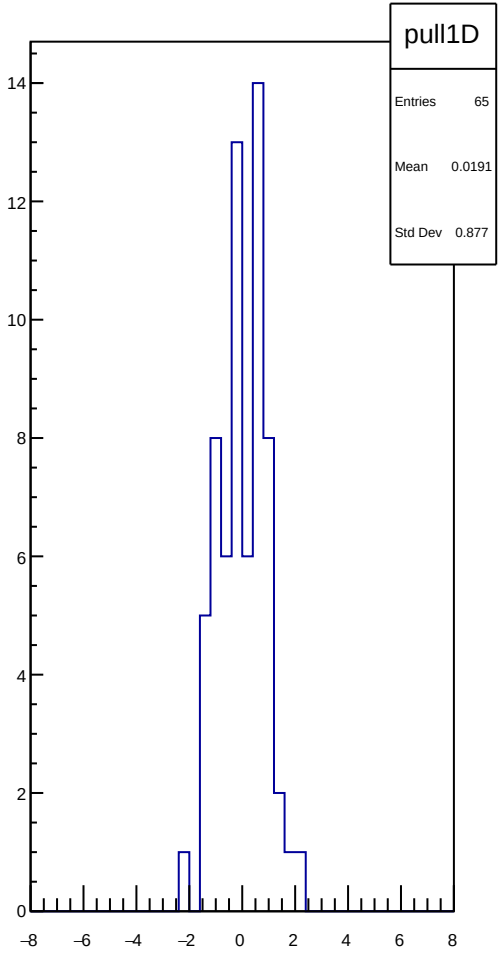

cor_asym_sam_48_dd_rms vs run
χ² / ndf 2.612e+04 / 64
p0 101.9 ± 0.08976
700
600
500
400
300
200
100

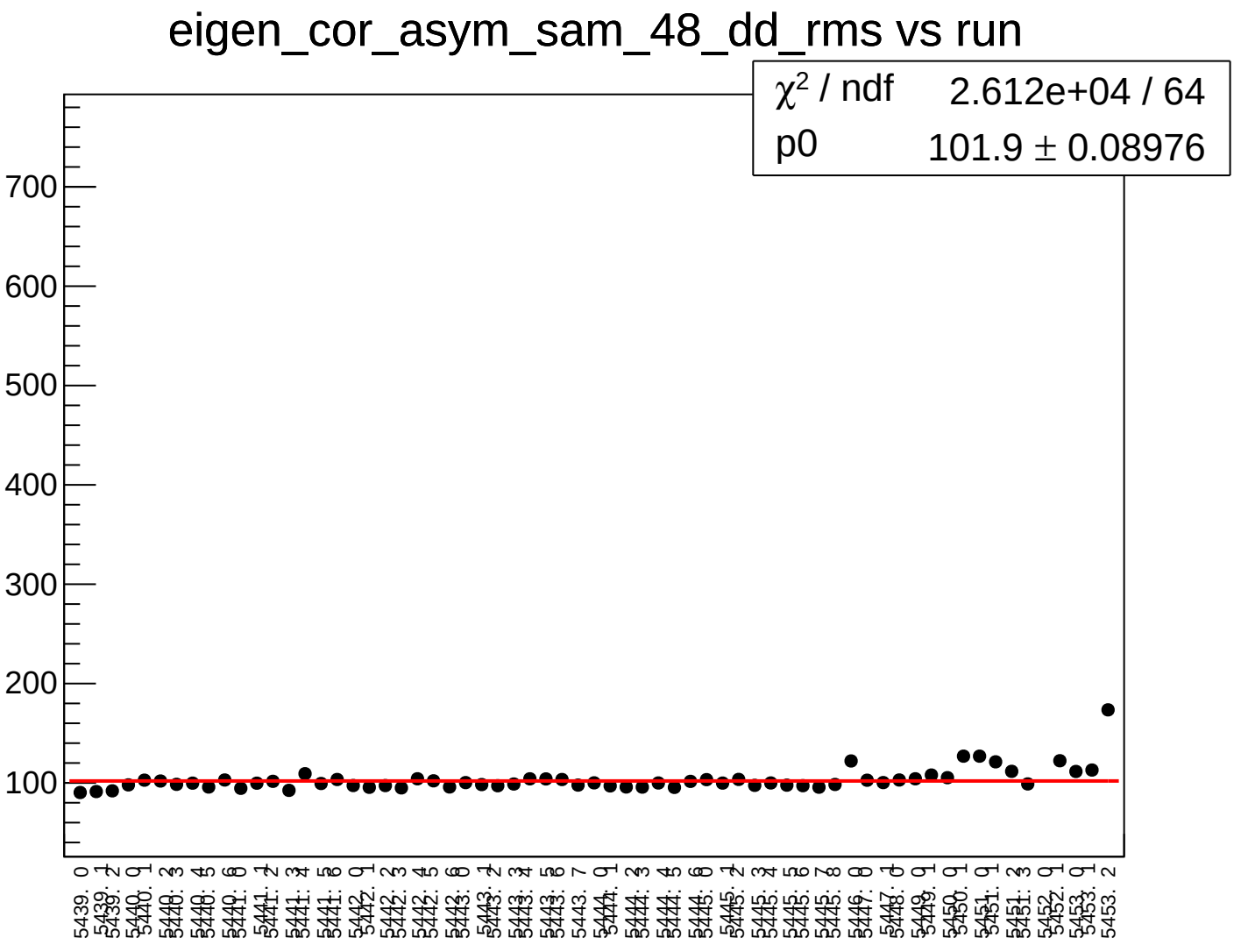

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 65.33 / 64
p0 −2260 ± 1155
pull
Entries 65
Mean −21.74
Std Dev 0

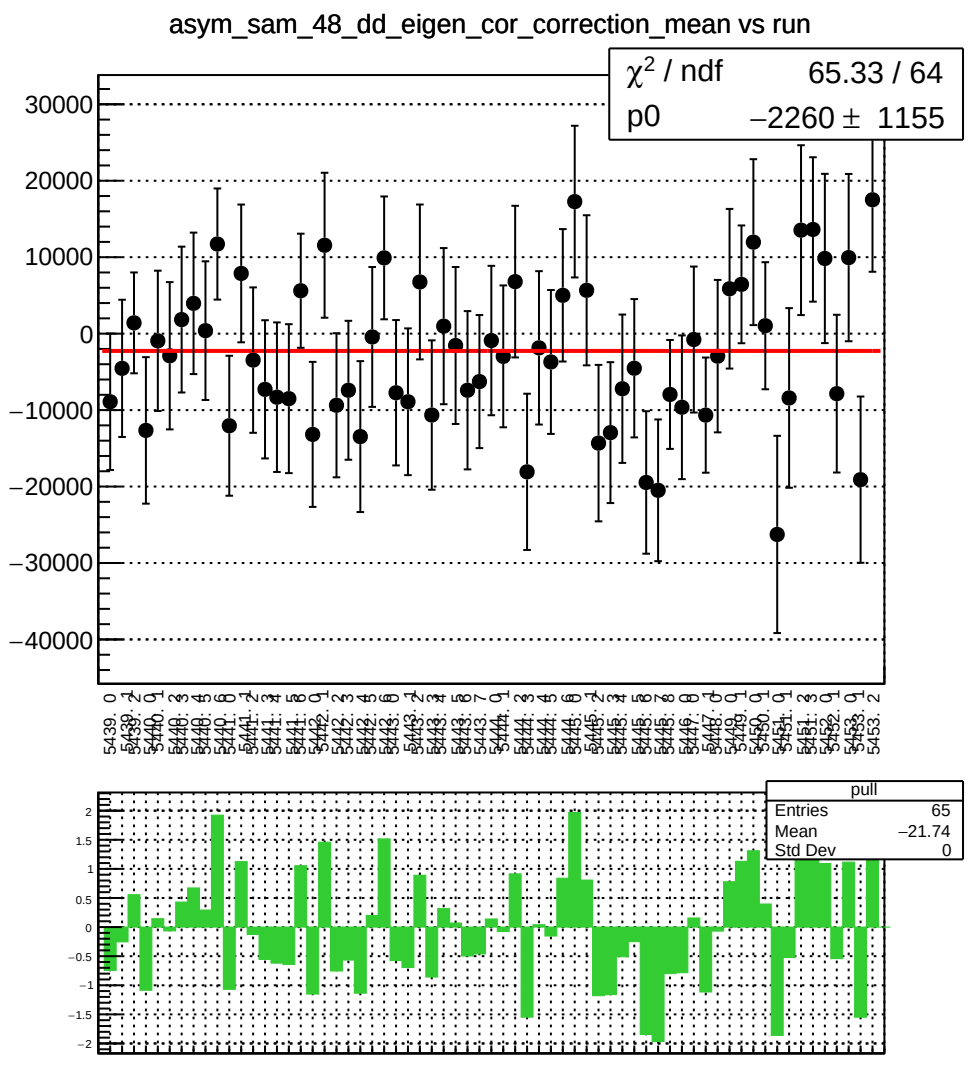

pull1D
Entries 65
Mean −0.01913
Std Dev 1.002

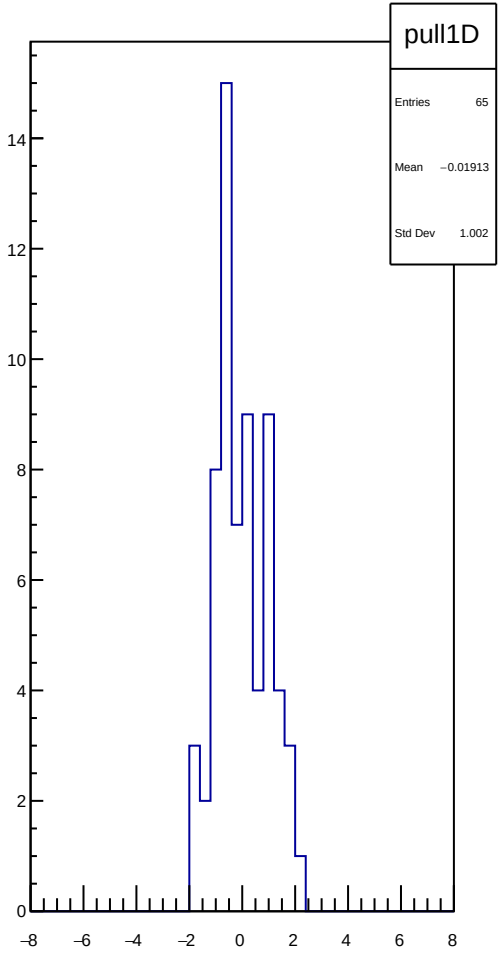

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 8786 / 64
p0 933.3 ± 0.8165
1300
1200
1100
1000
900
800

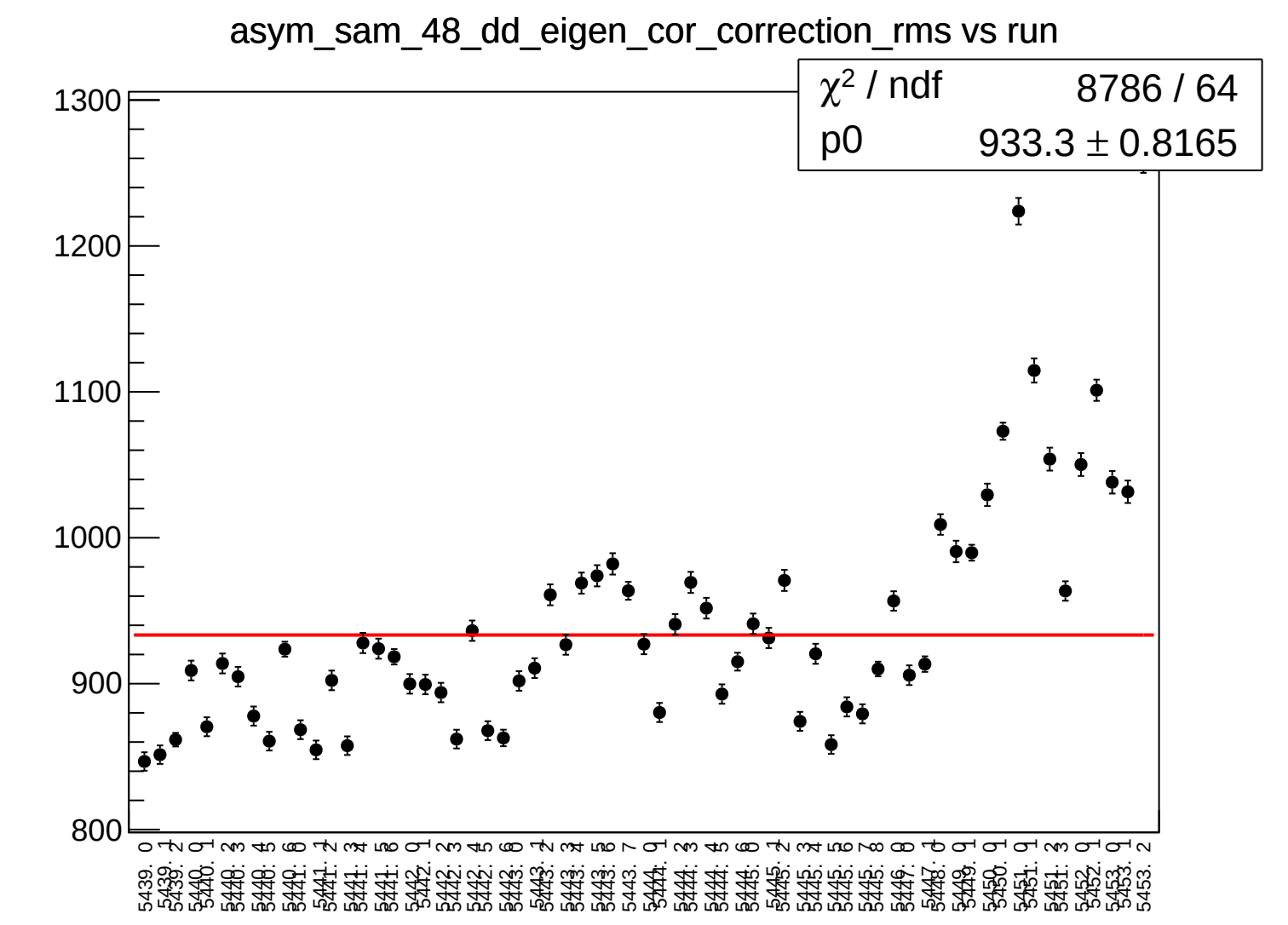

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 50.01 / 64
p0 83.53 ± 126.9
pull
Entries 65
Mean 11.22
Std Dev 0

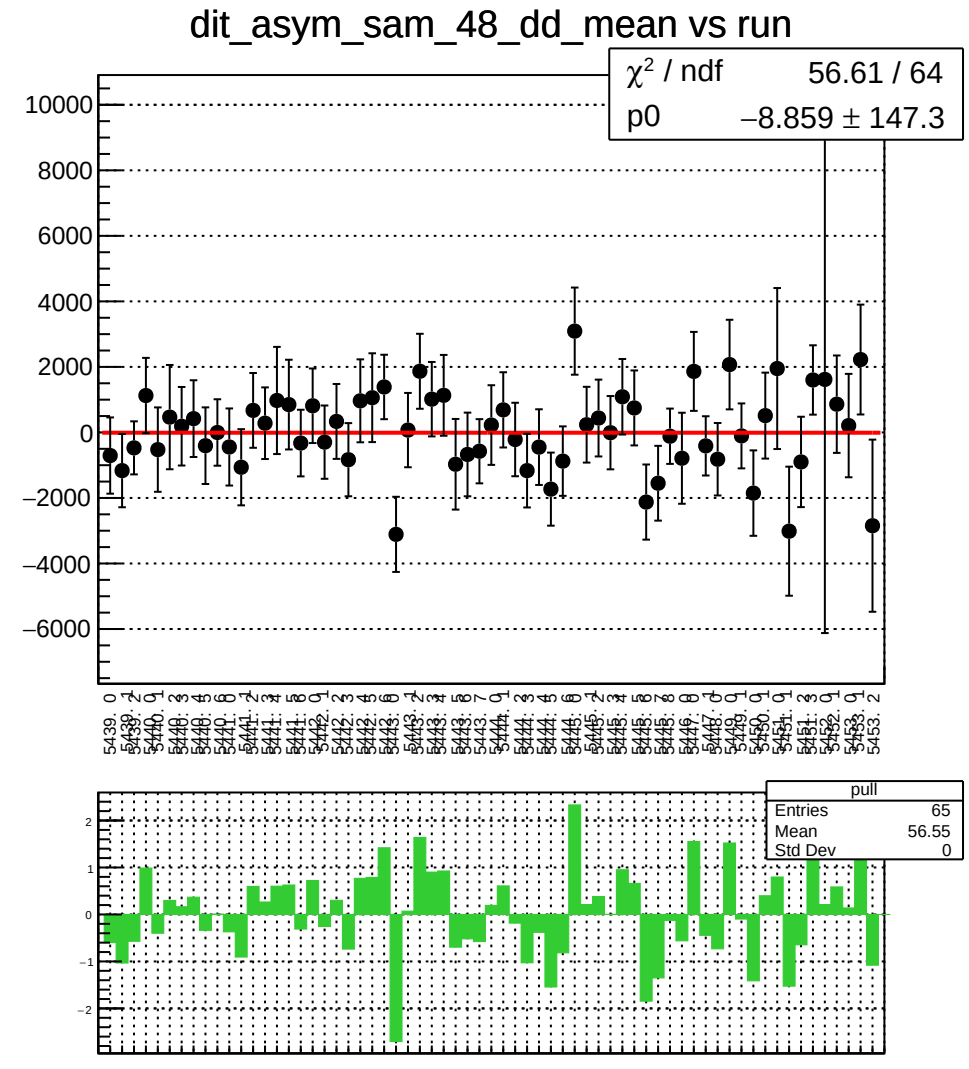

pull1D
Entries 65
Mean 0.0191
Std Dev 0.877

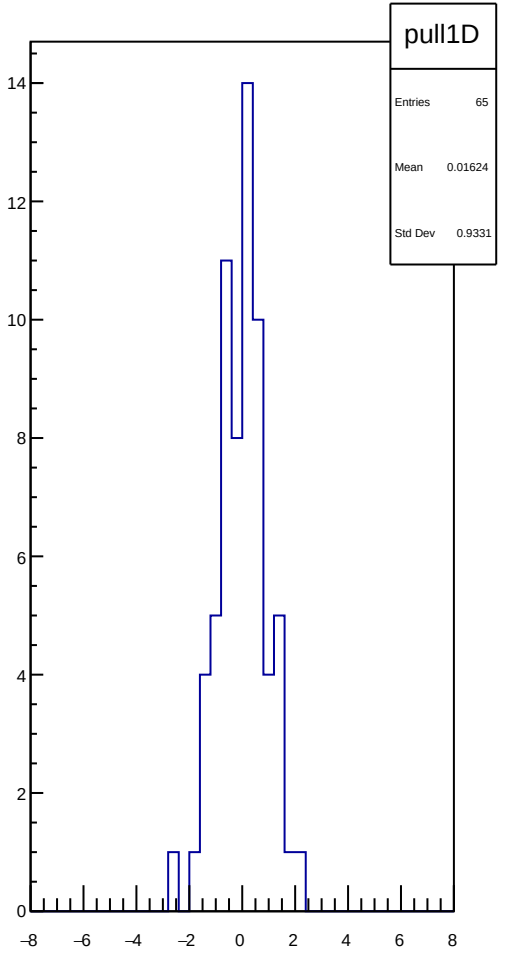

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 2.612e+04 / 64
p0 101.9 ± 0.08976
700
600
500
400
300
200
100

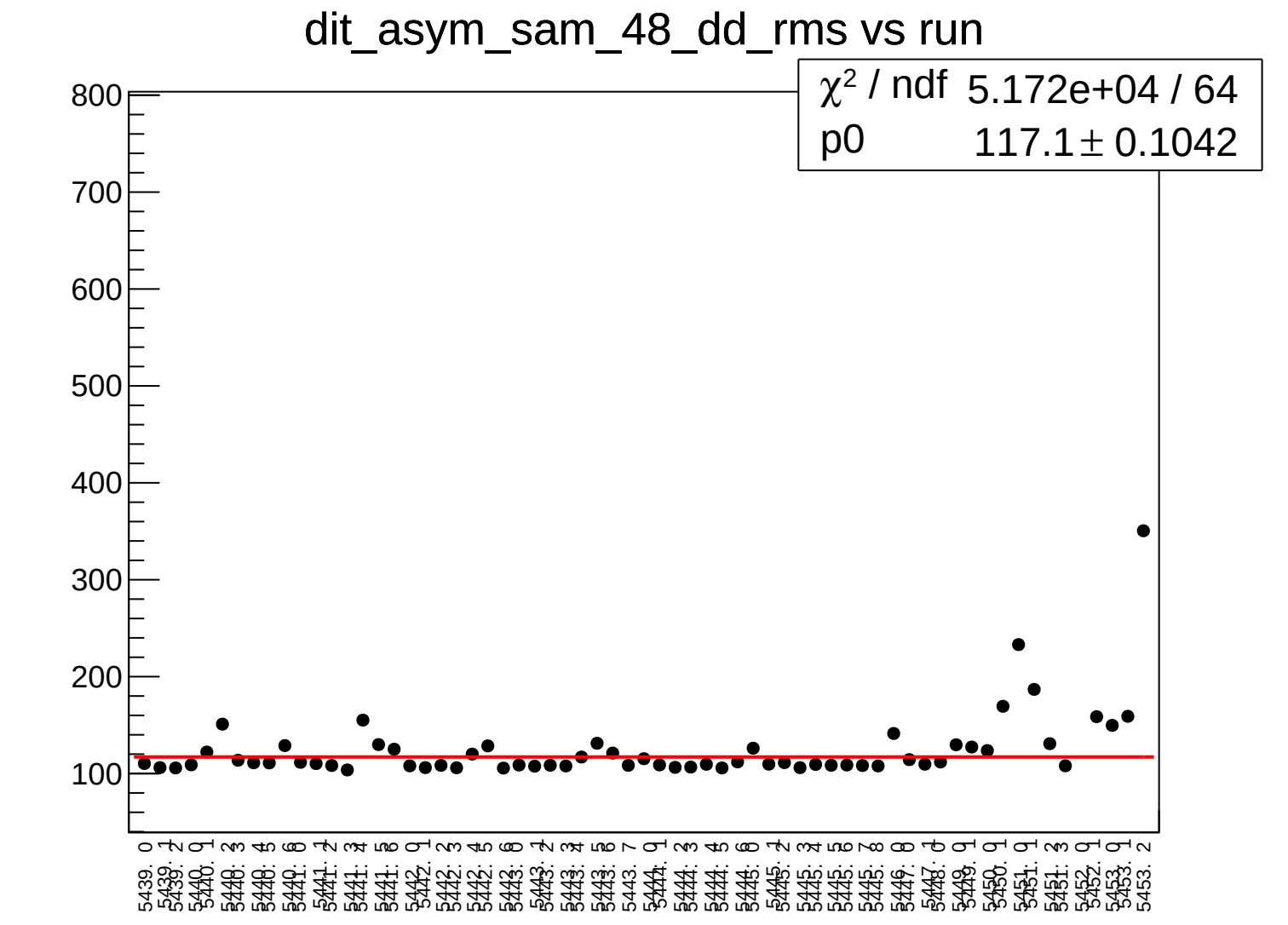

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.33 / 64
p0 −2260 ± 1155
pull
Entries 65
Mean −21.74
Std Dev 0

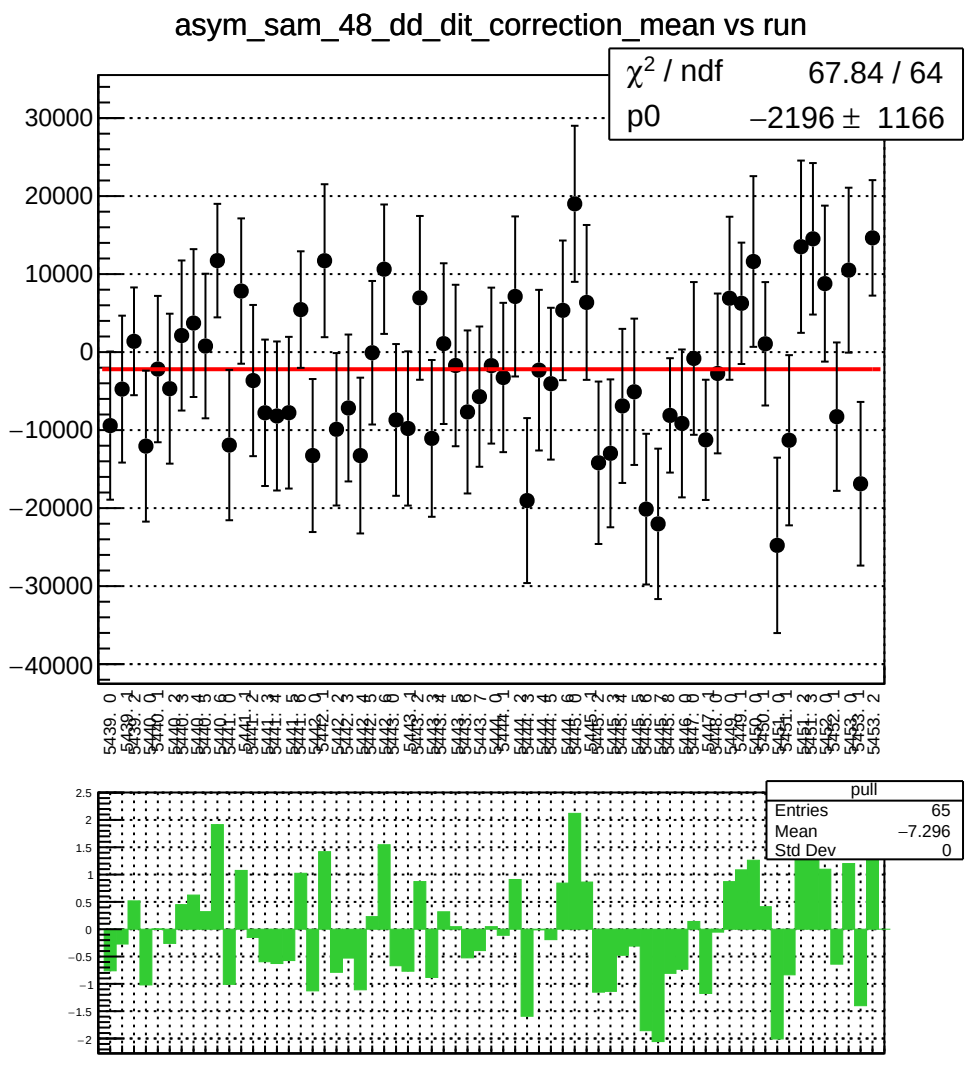

pull1D
Entries 65
Mean −0.01913
Std Dev 1.002

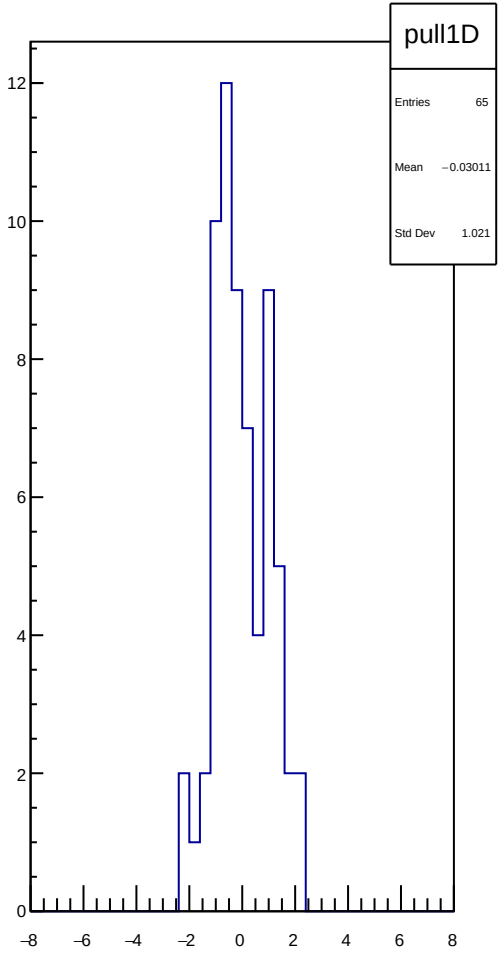

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 8786 / 64
p0 933.3 ± 0.8165
1300
1200
1100
1000
900
800

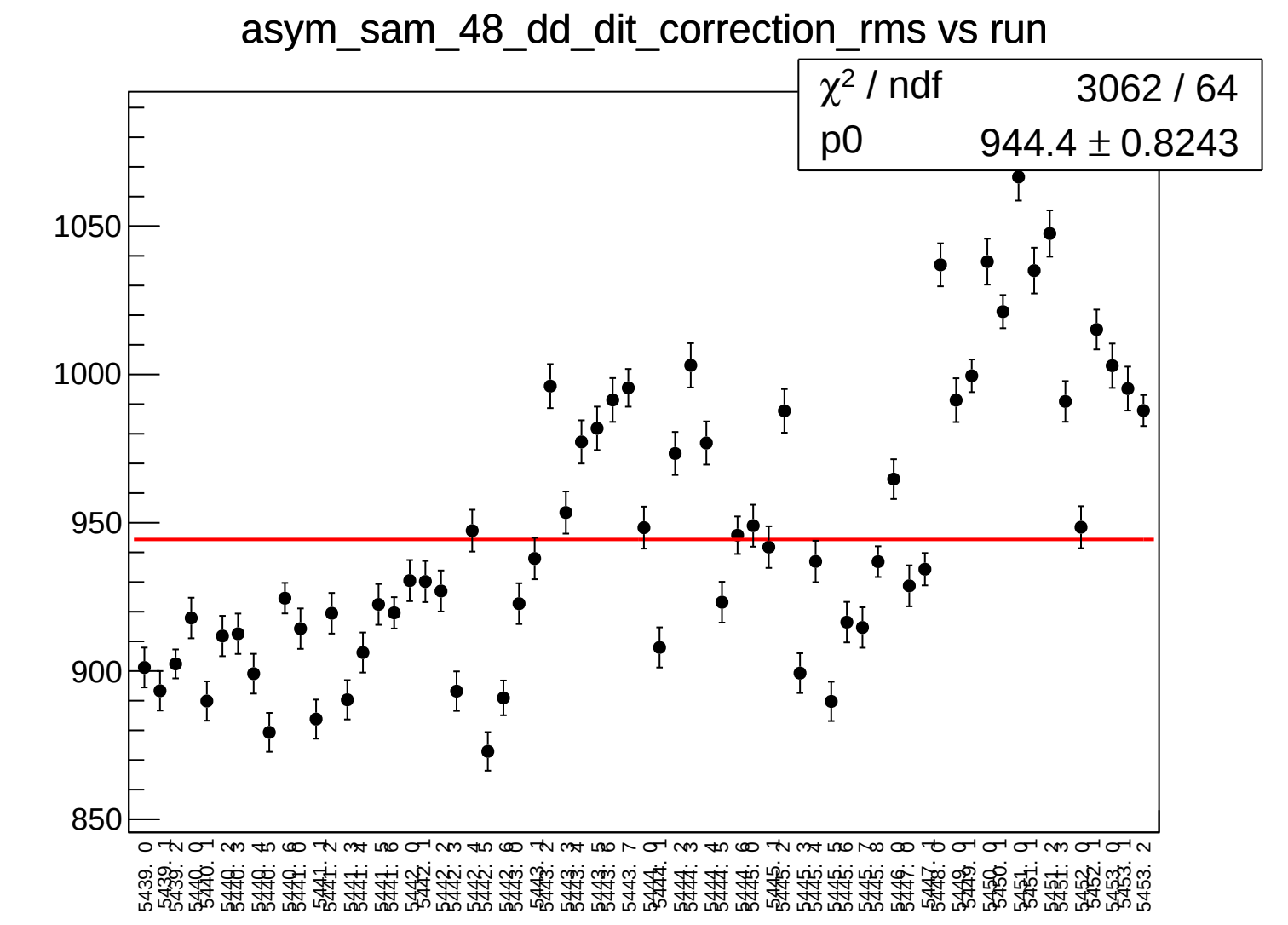

dit_asym_sam_48_dd_mean vs run
χ² / ndf 56.61 / 64
p0 −8.859 ± 147.3
pull
Entries 65
Mean 56.55
Std Dev 0

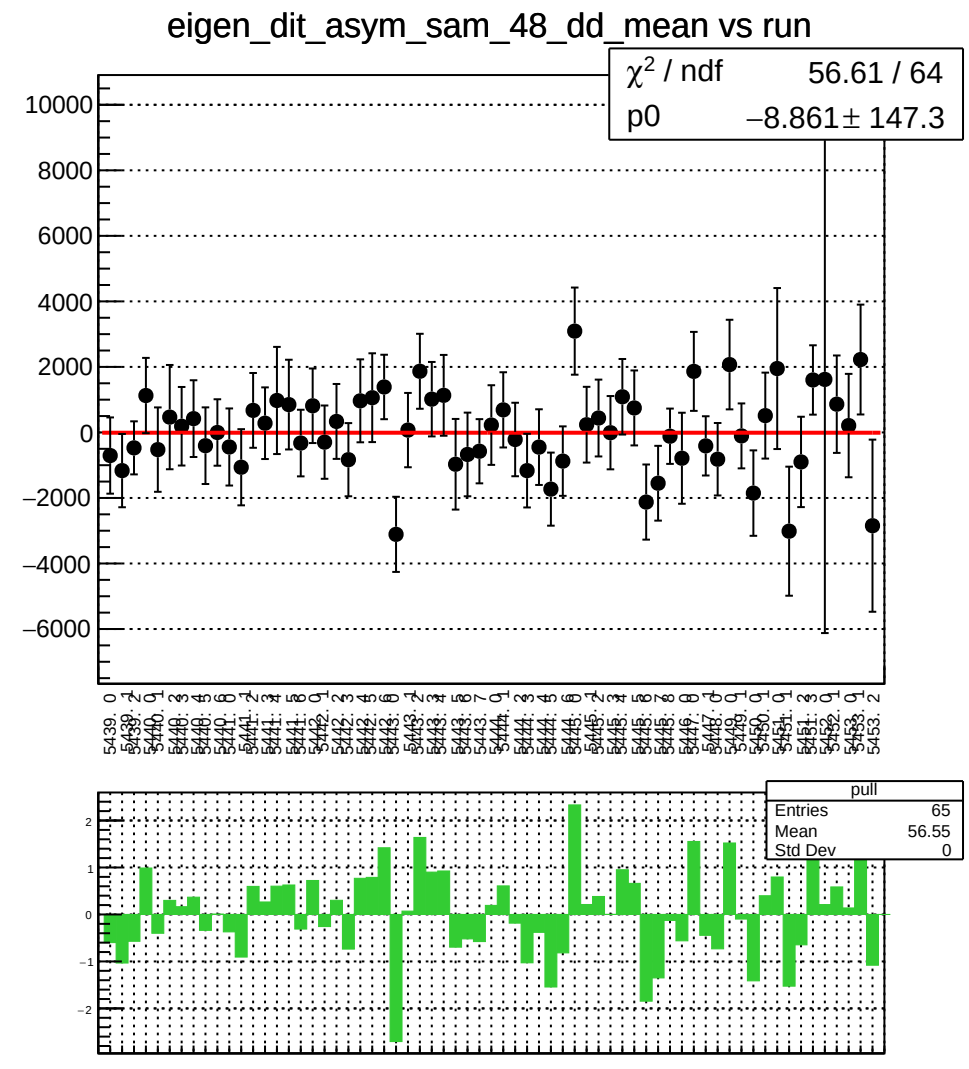

pull1D
Entries 65
Mean 0.01624
Std Dev 0.9331

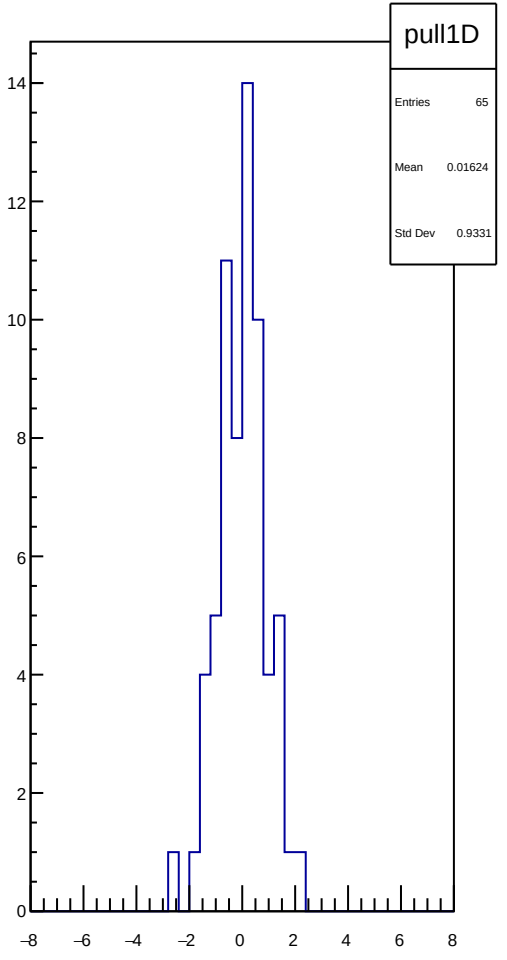

dit_asym_sam_48_dd_rms vs run
χ² / ndf 5.172e+04 / 64
p0 117.1 ± 0.1042
800
700
600
500
400
300
200
100

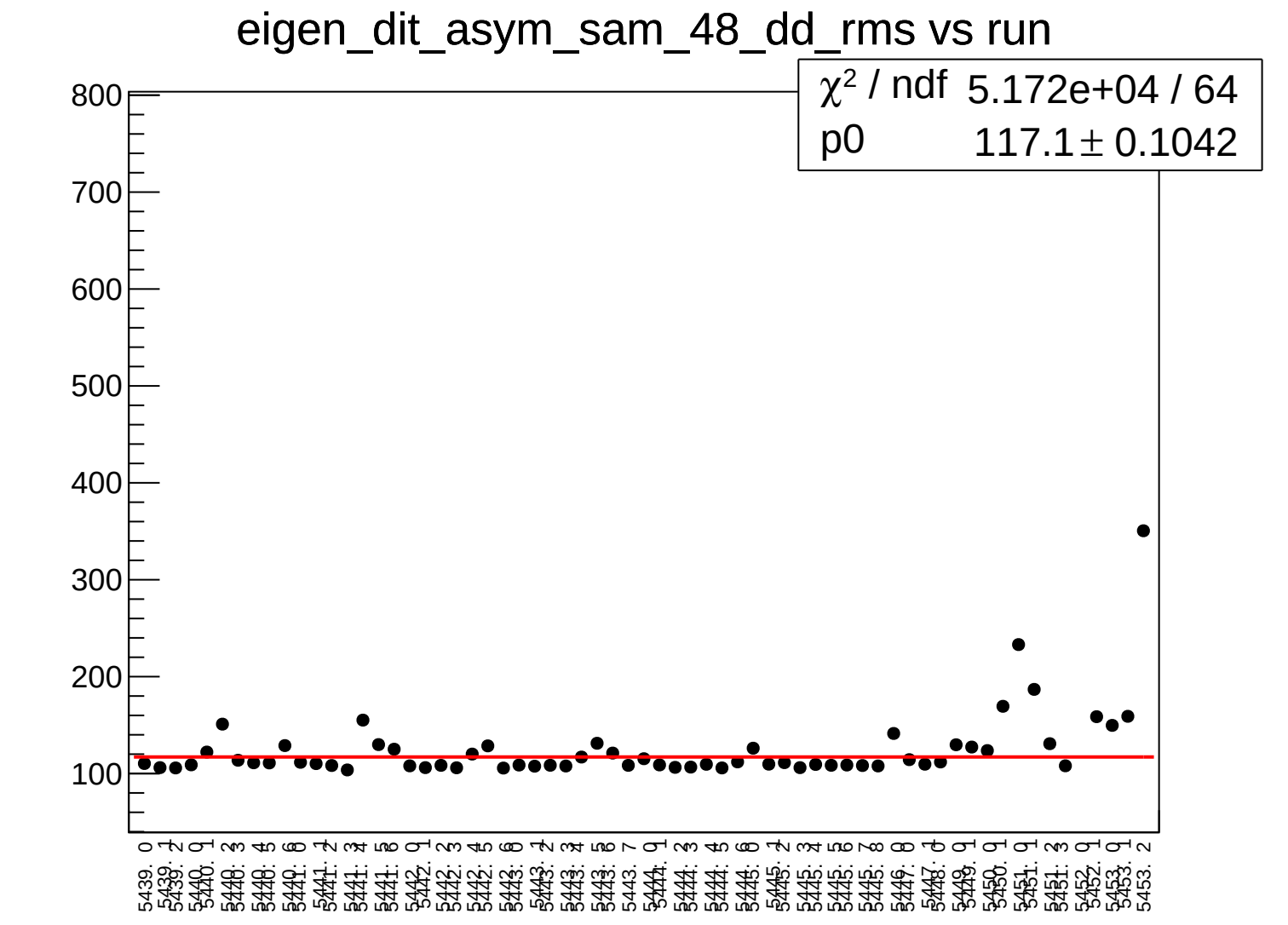

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 67.84 / 64
p0 −2196 ± 1166
pull
Entries 65
Mean −7.296
Std Dev 0

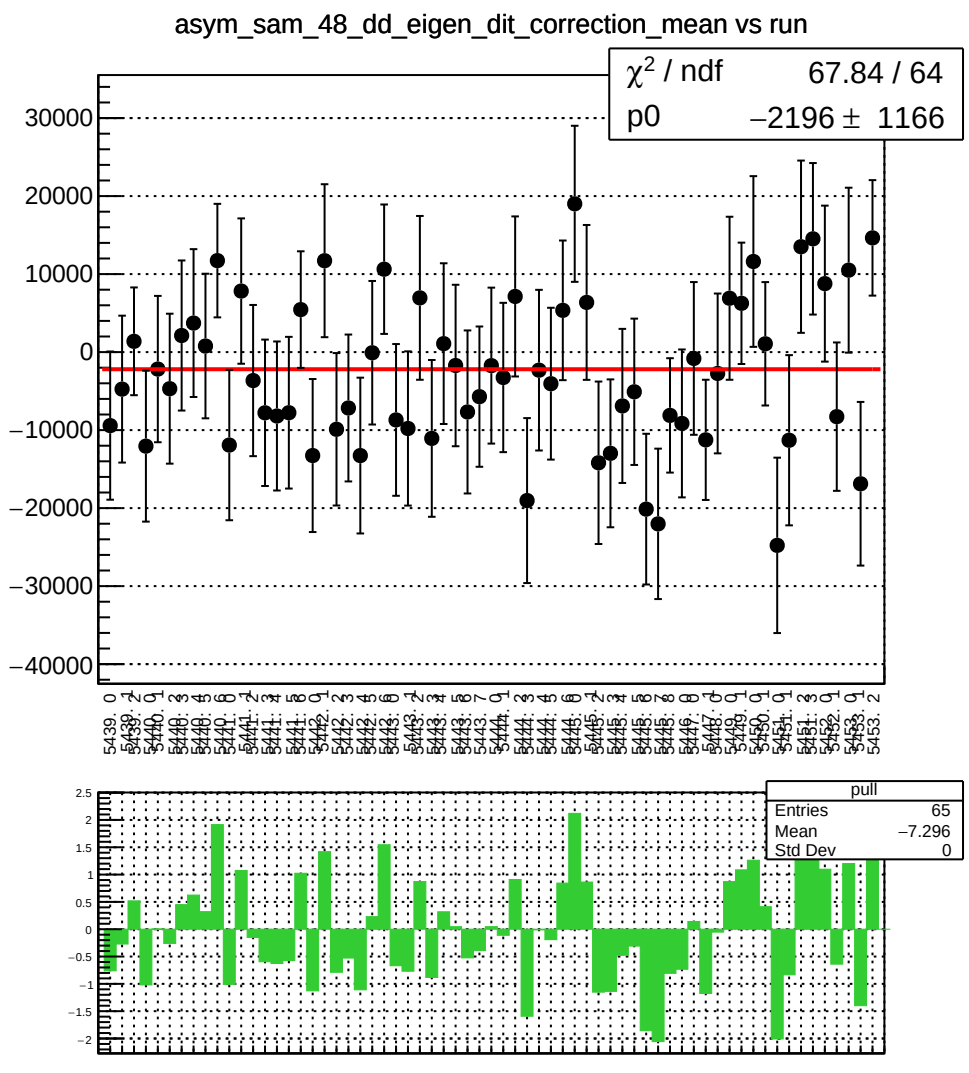

pull1D
Entries 65
Mean −0.03011
Std Dev 1.021

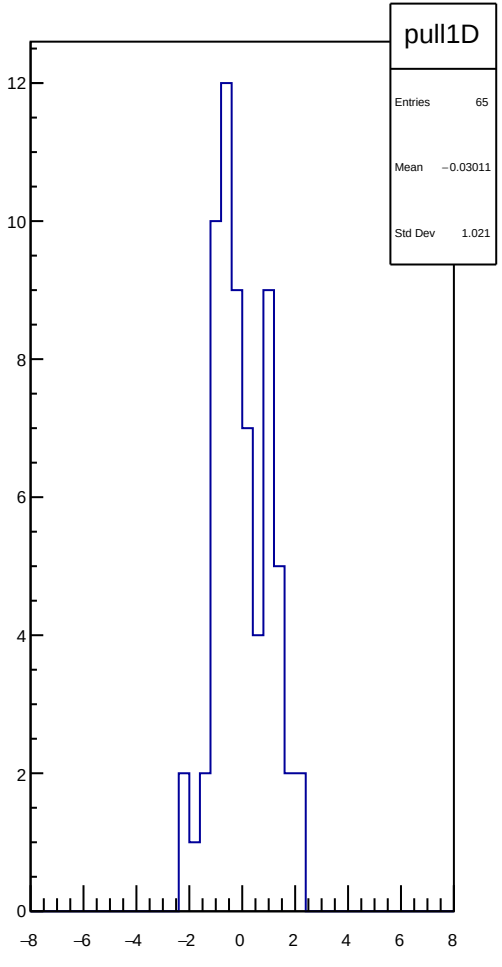

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 3062 / 64
p0 944.4 ± 0.8243
1050
1000
950
900
850

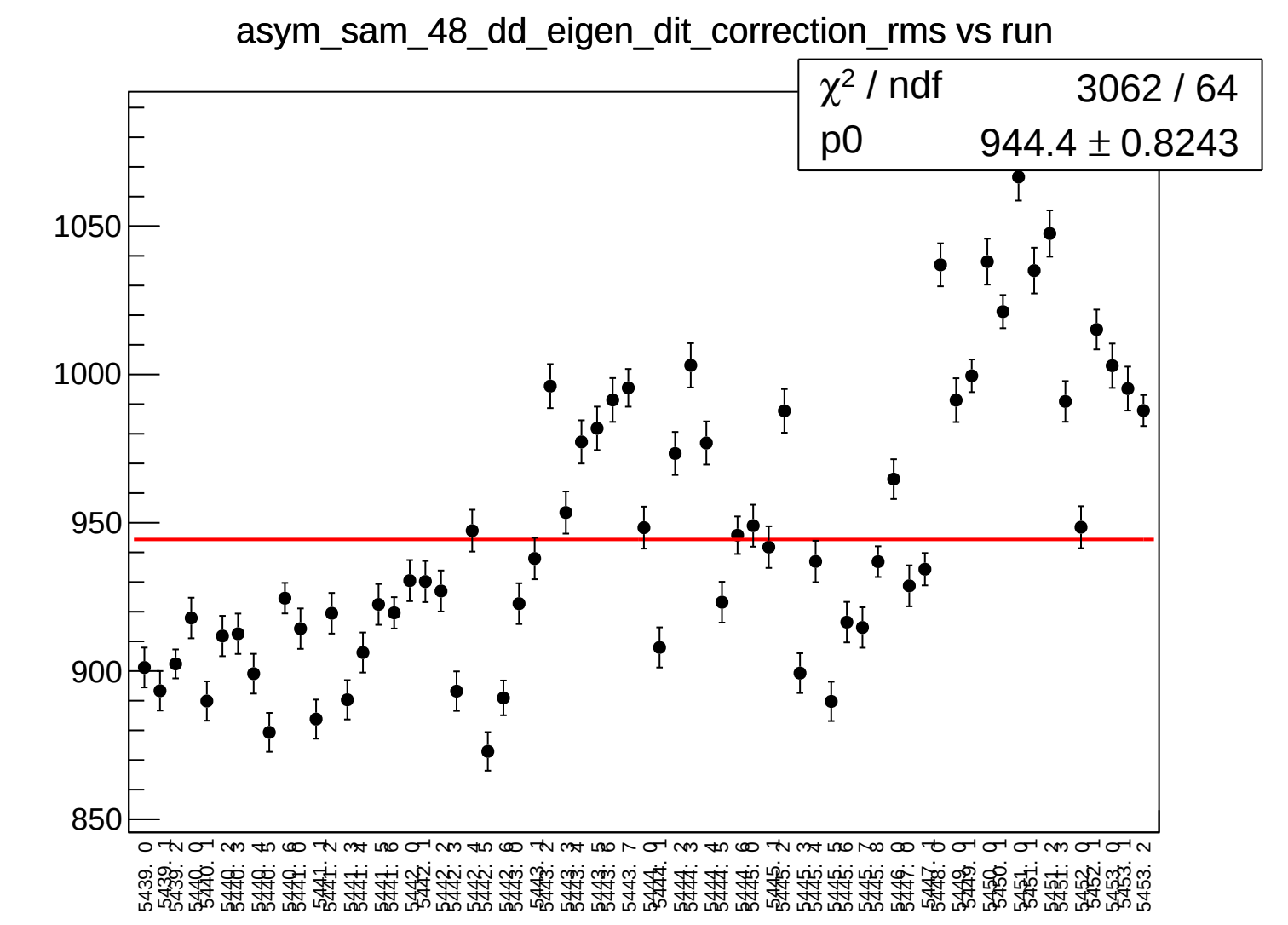

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 56.61 / 64
p0 −8.861± 147.3
pull
Entries 65
Mean 56.55
Std Dev 0

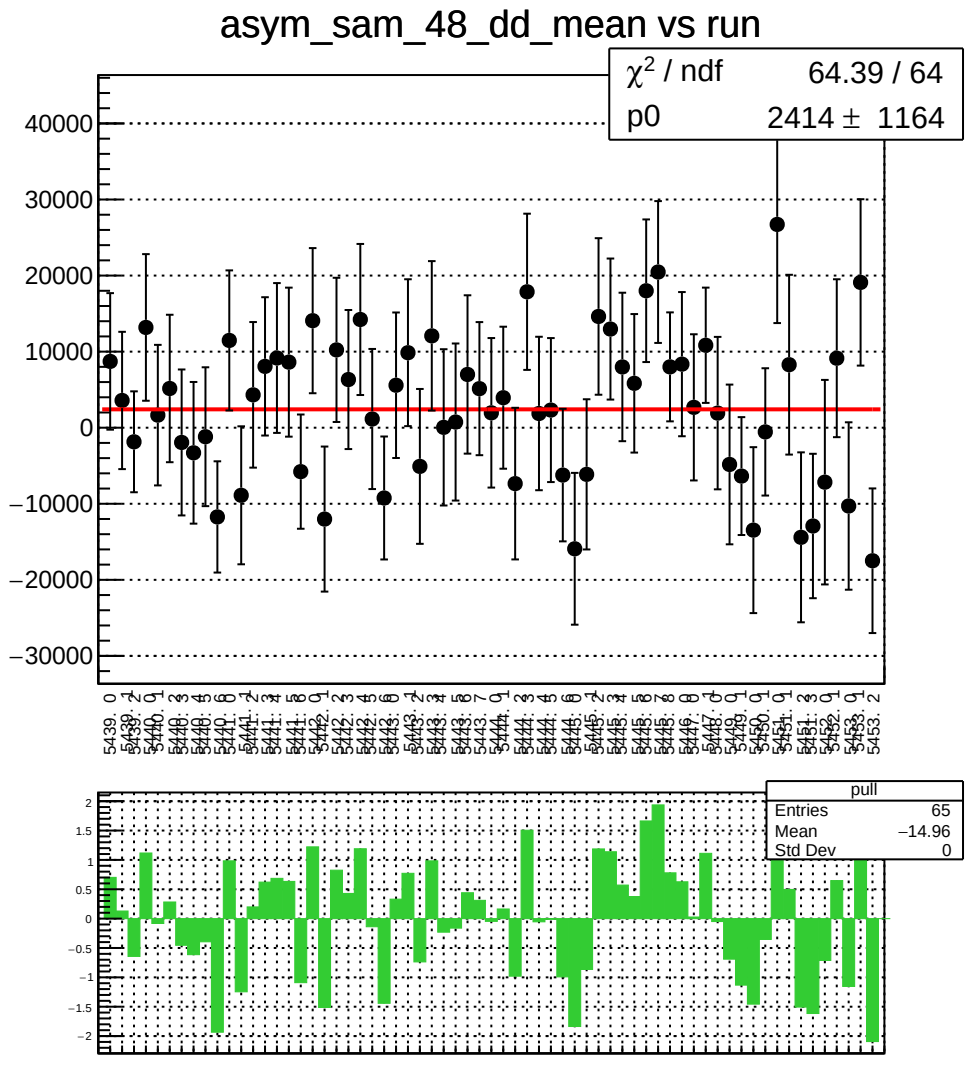

pull1D
Entries 65
Mean 0.01624
Std Dev 0.9331

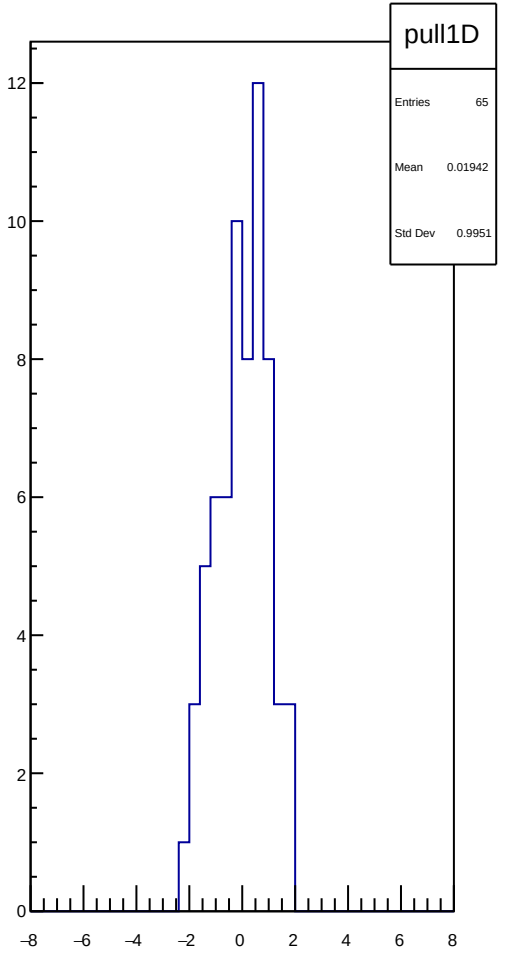

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 5.172e+04 / 64
p0 117.1 ± 0.1042
800
700
600
500
400
300
200
100

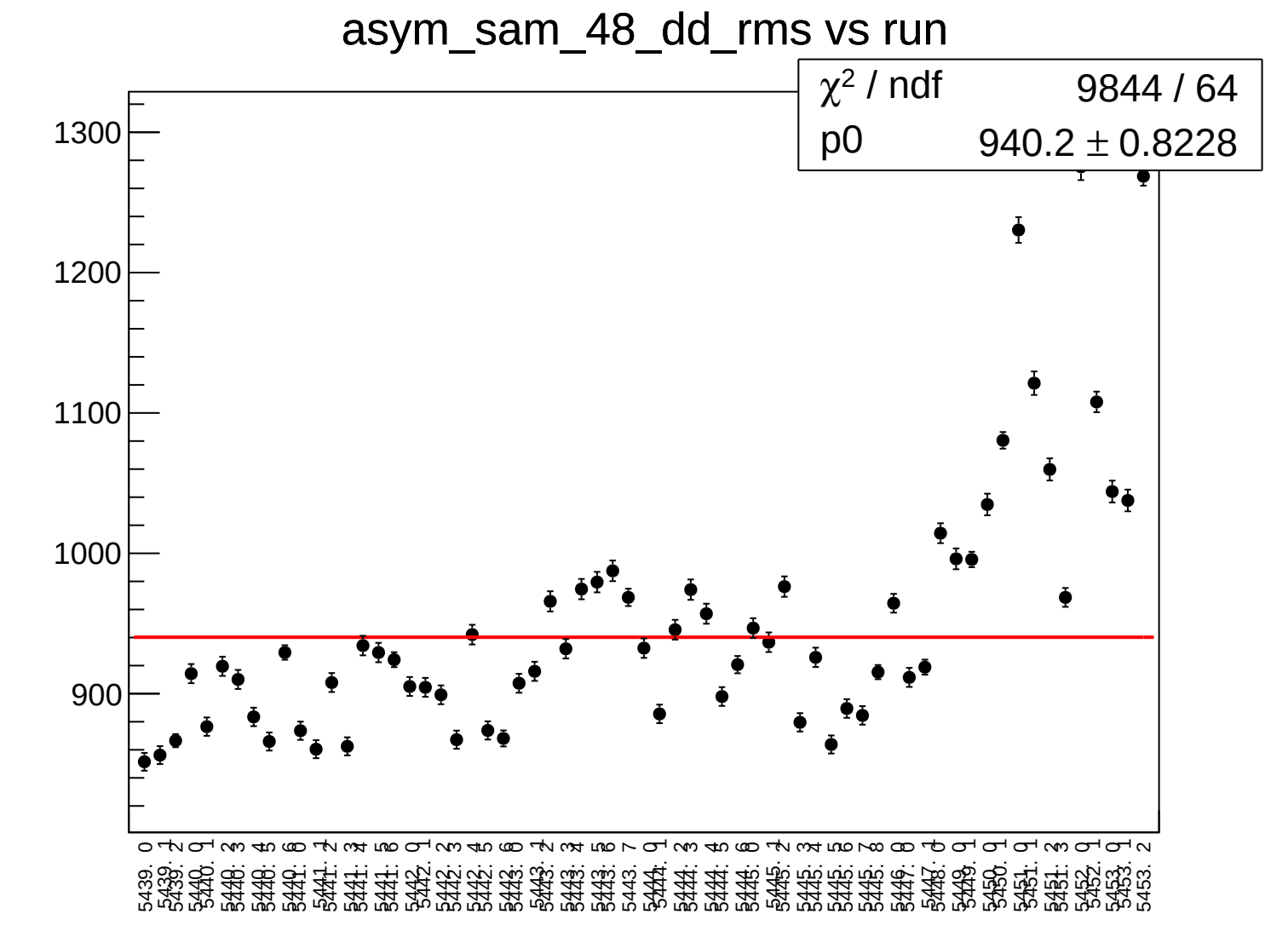

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.84 / 64
p0 −2196 ± 1166
pull
Entries 65
Mean −7.296
Std Dev 0

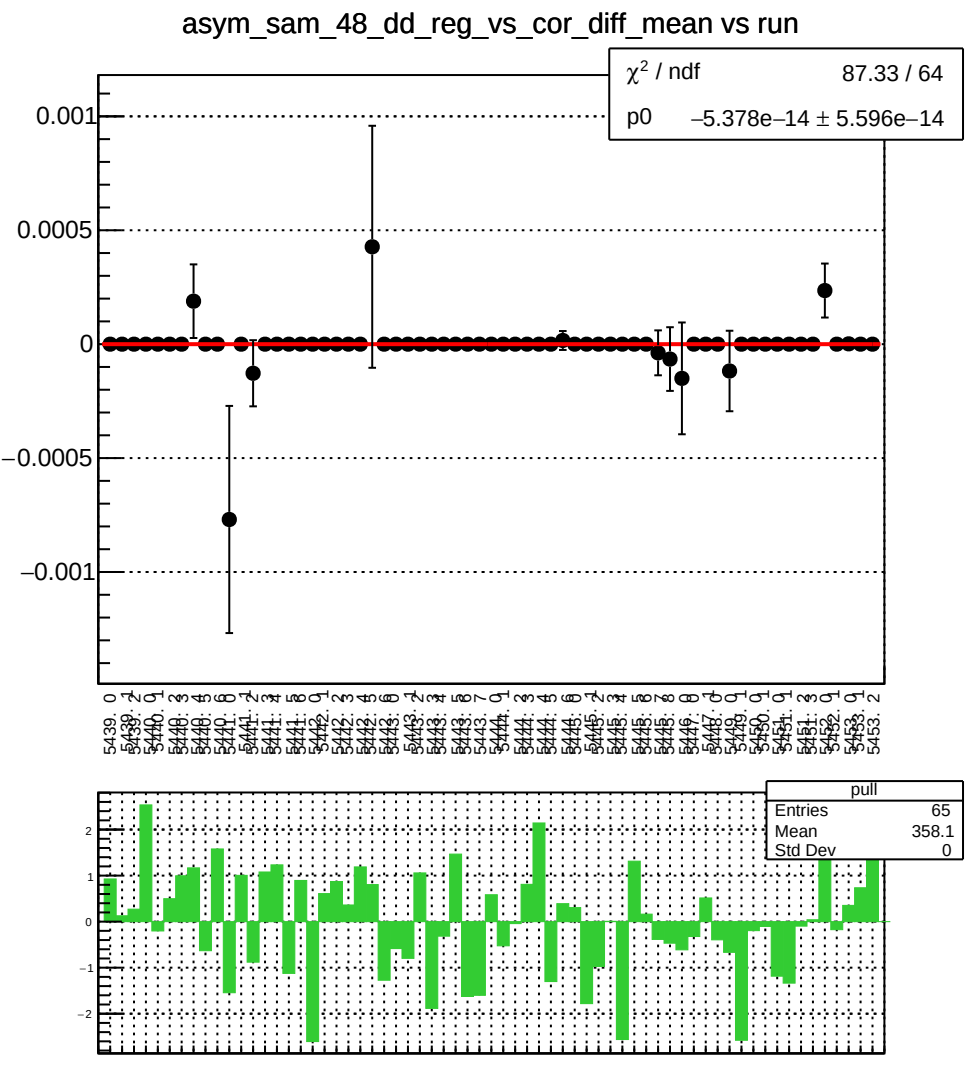

pull1D
Entries 65
Mean −0.03011
Std Dev 1.021

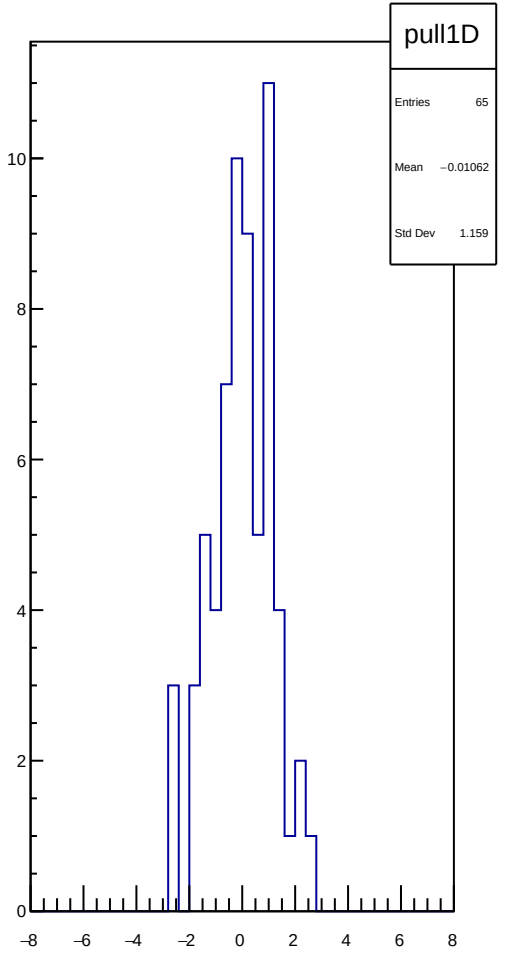

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3062 / 64
p0 944.4 ± 0.8243
1050
1000
950
900
850

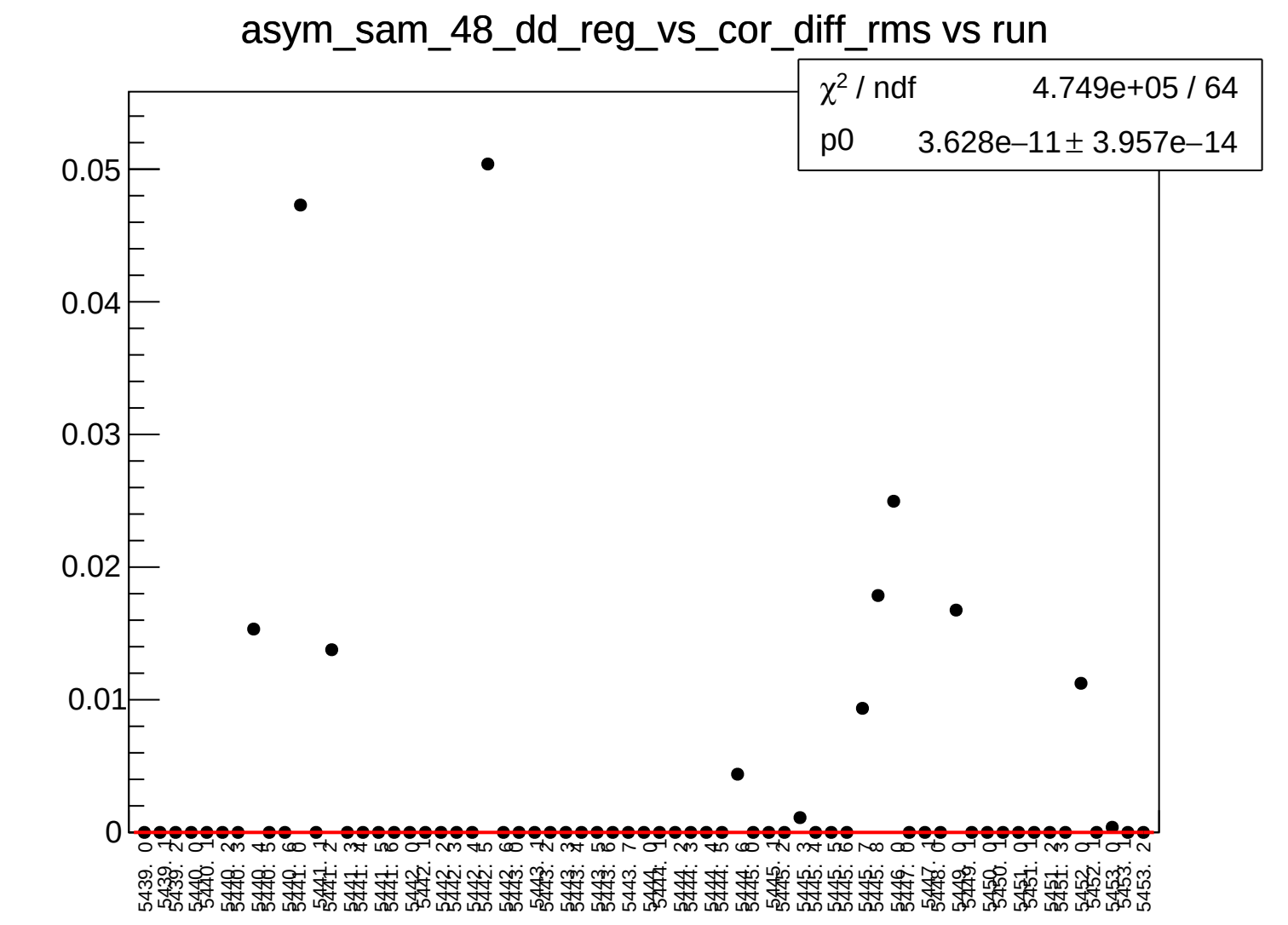

asym_sam_48_dd_mean vs run
χ² / ndf 64.39 / 64
p0 2414 ± 1164
pull
Entries 65
Mean −14.96
Std Dev 0

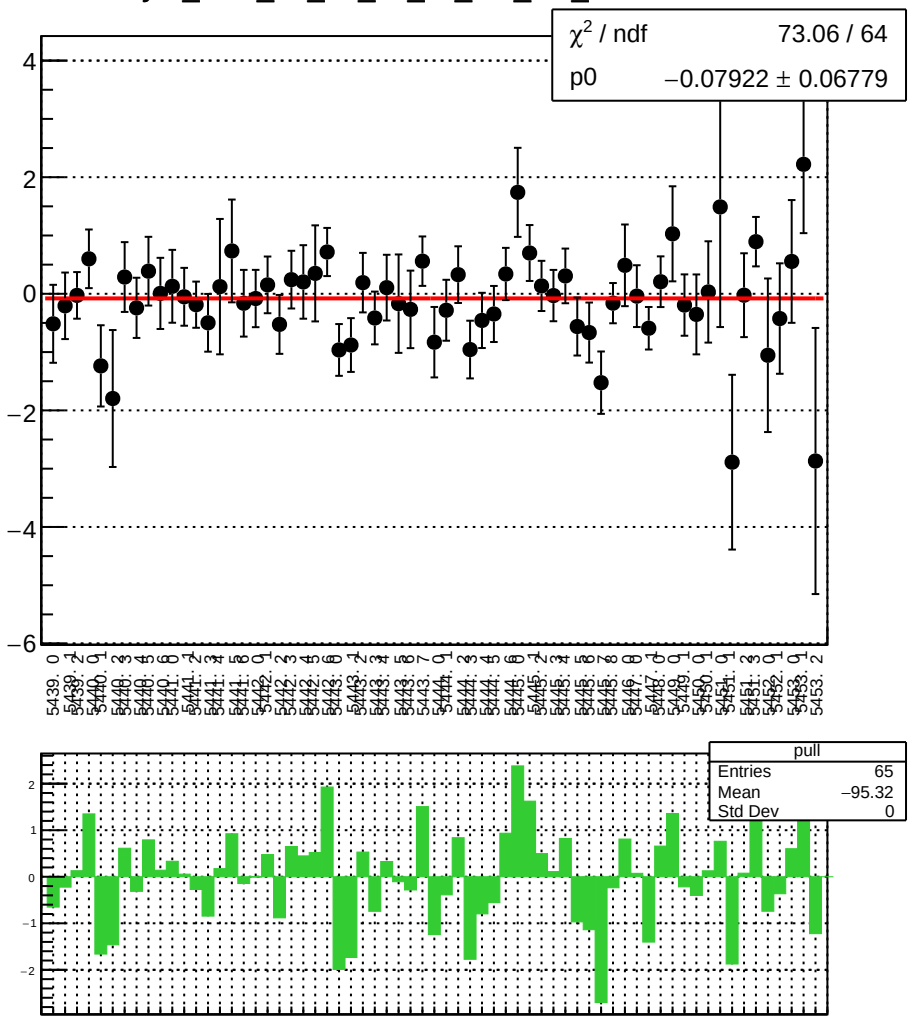

pull1D
Entries 65
Mean 0.01942
Std Dev 0.9951

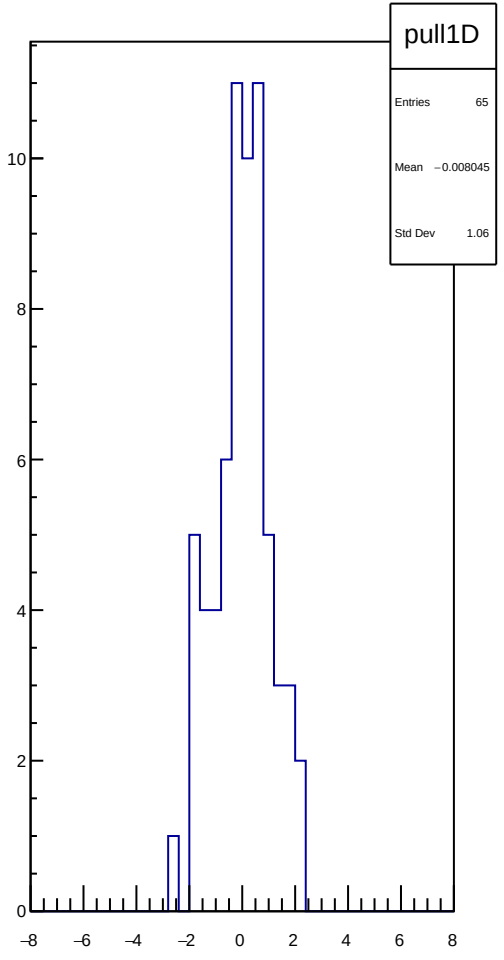

asym_sam_48_dd_rms vs run
χ² / ndf 9844 / 64
p0 940.2 ± 0.8228
1300
1200
1100
1000
900

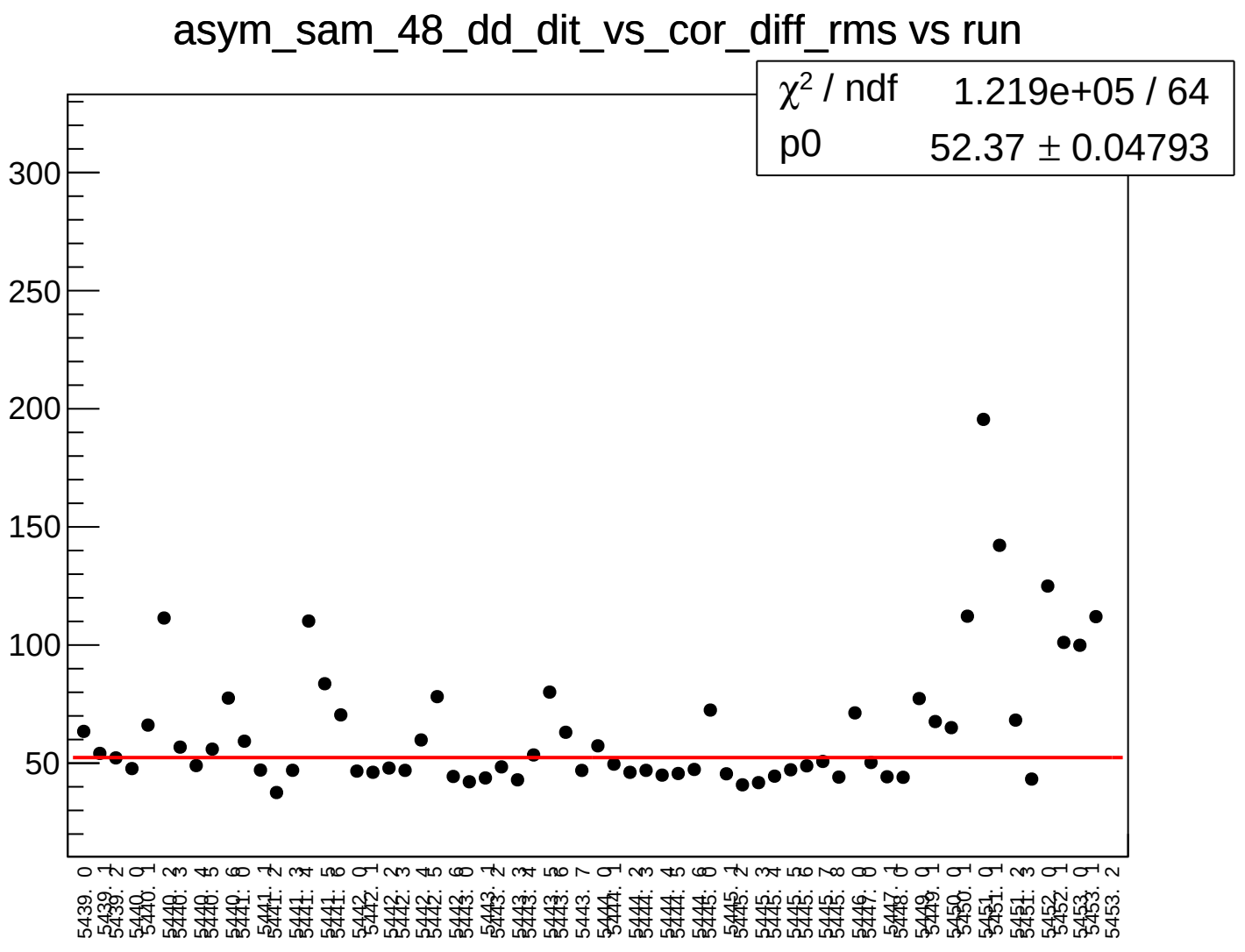

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 87.33 / 64
p0 −5.378e−14 ± 5.596e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 65
Mean 358.1
Std Dev 0
2
1
0
−1
−2

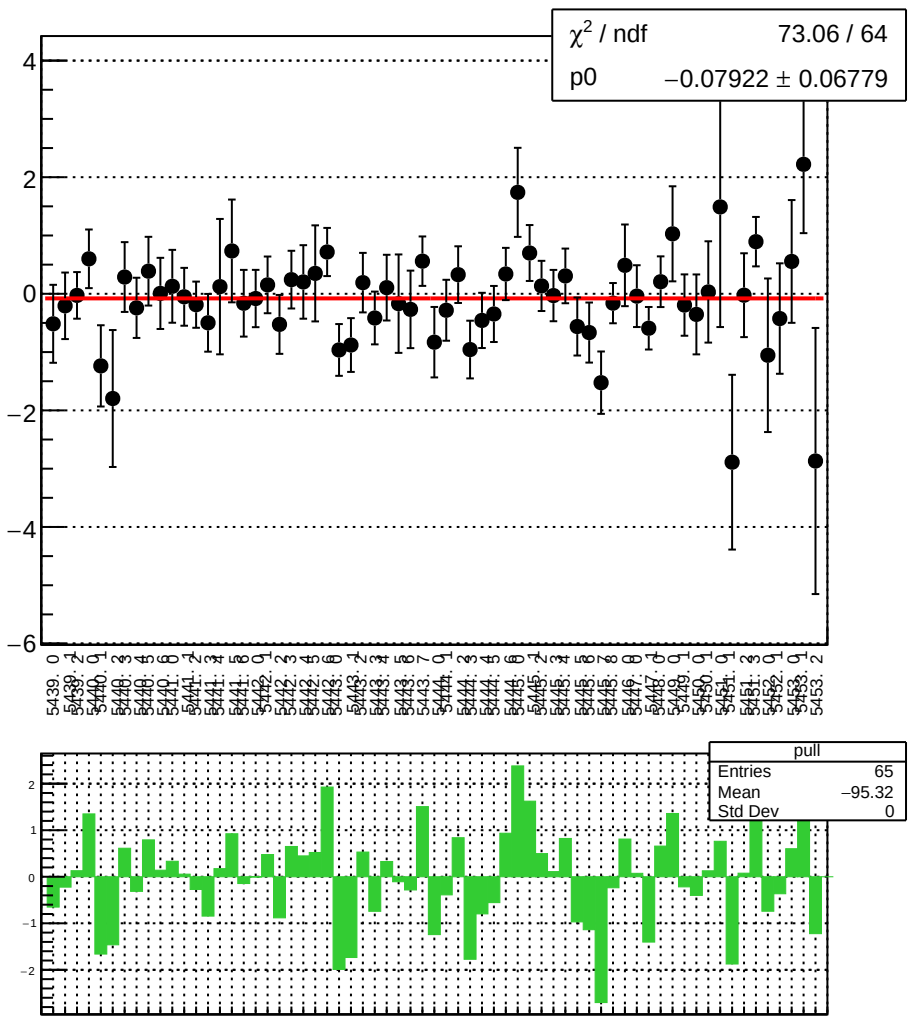

pull1D
Entries 65
Mean −0.01062
Std Dev 1.159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

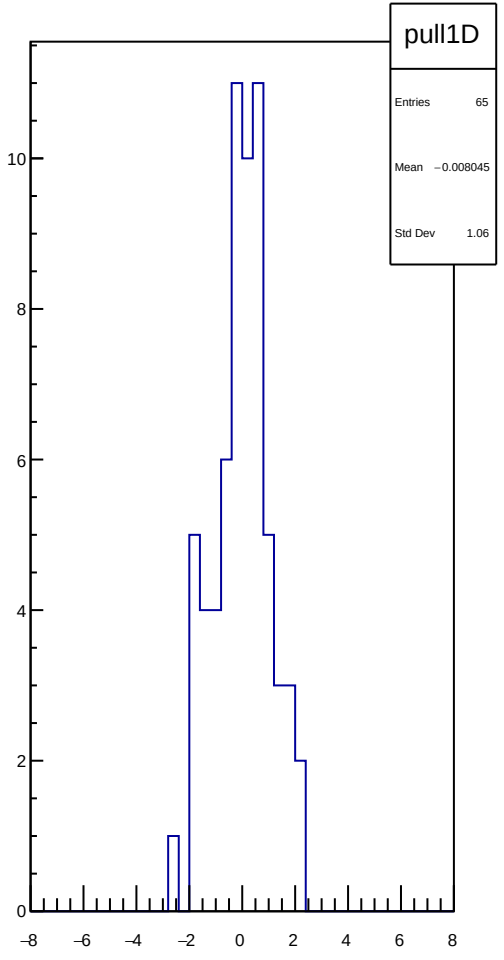

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.749e+05 / 64
p0 3.628e−11 ± 3.957e−14
0.05
0.04
0.03
0.02
0.01
0

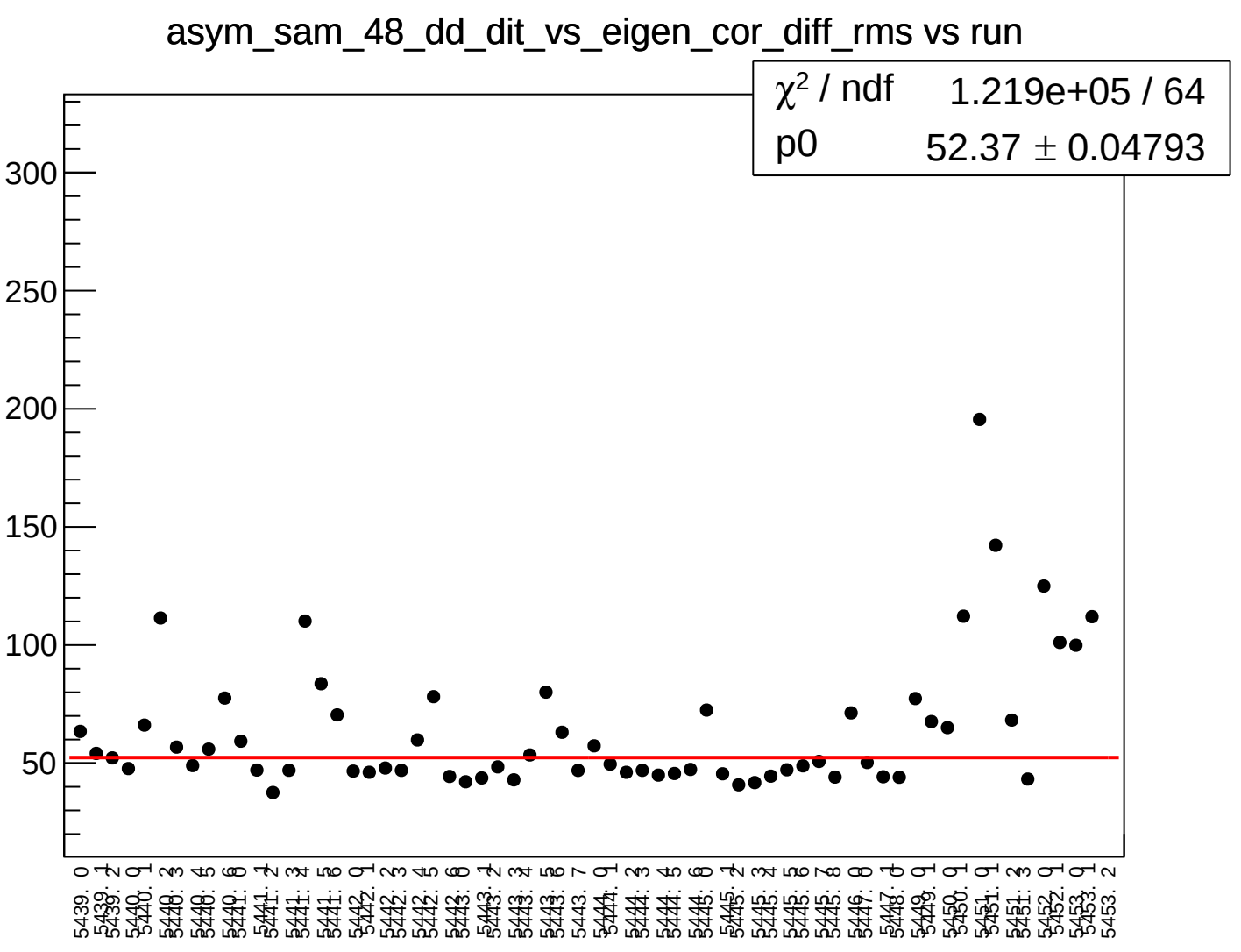

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.06 / 64
p0 −0.07922 ± 0.06779
pull
Entries 65
Mean −95.32
Std Dev 0

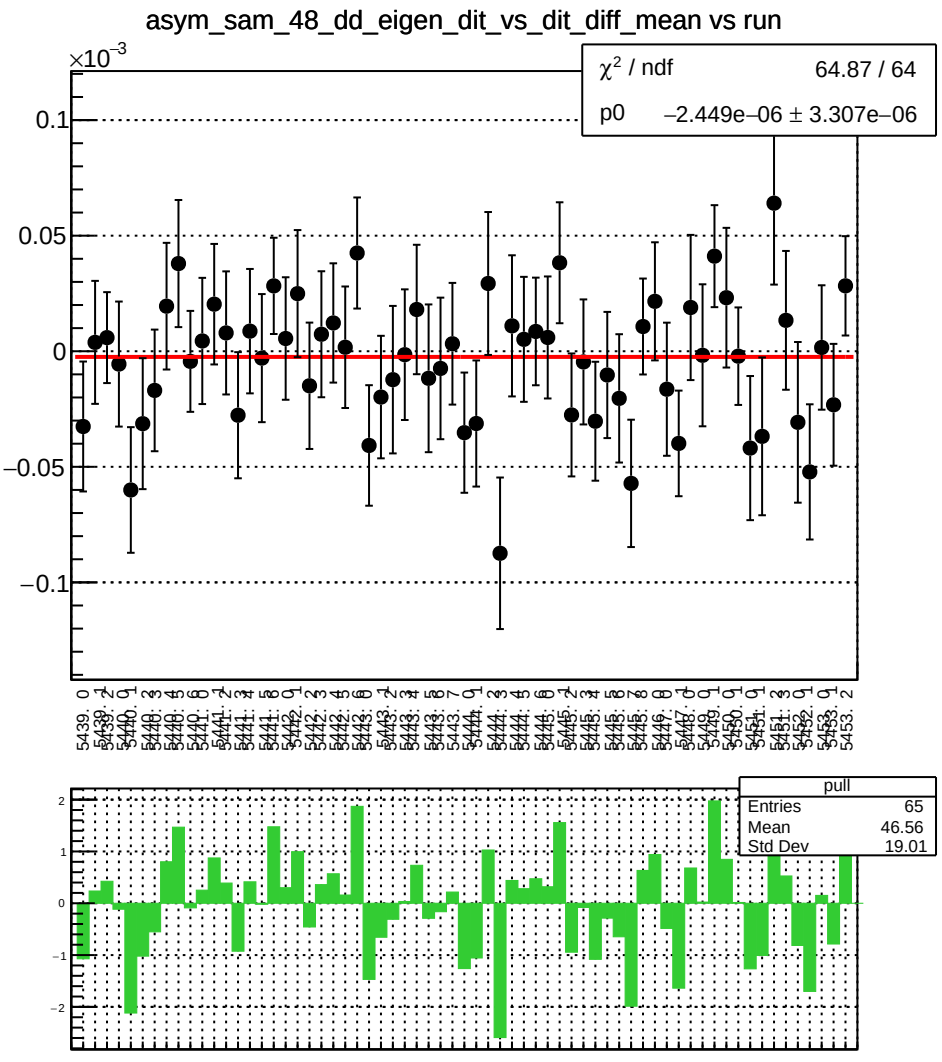

pull1D
Entries 65
Mean −0.008045
Std Dev 1.06

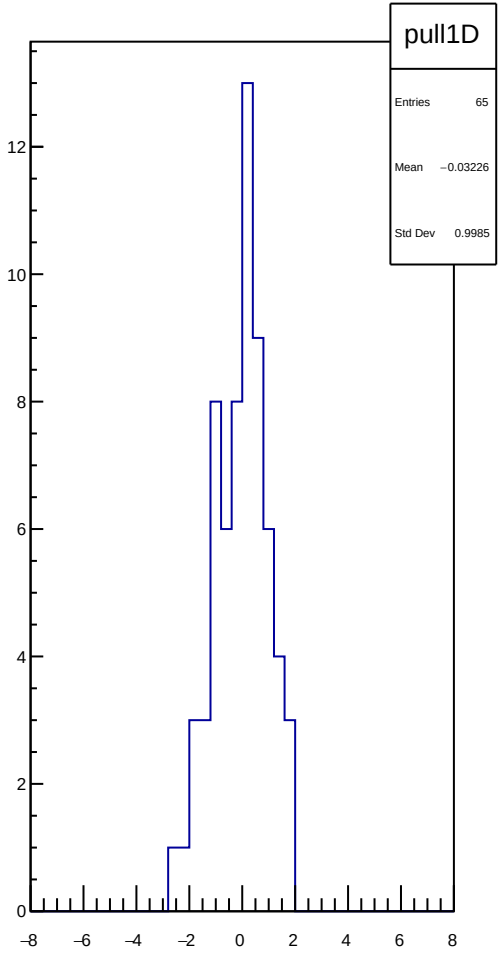

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.219e+05 / 64
p0 52.37 ± 0.04793
300
250
200
150
100
50

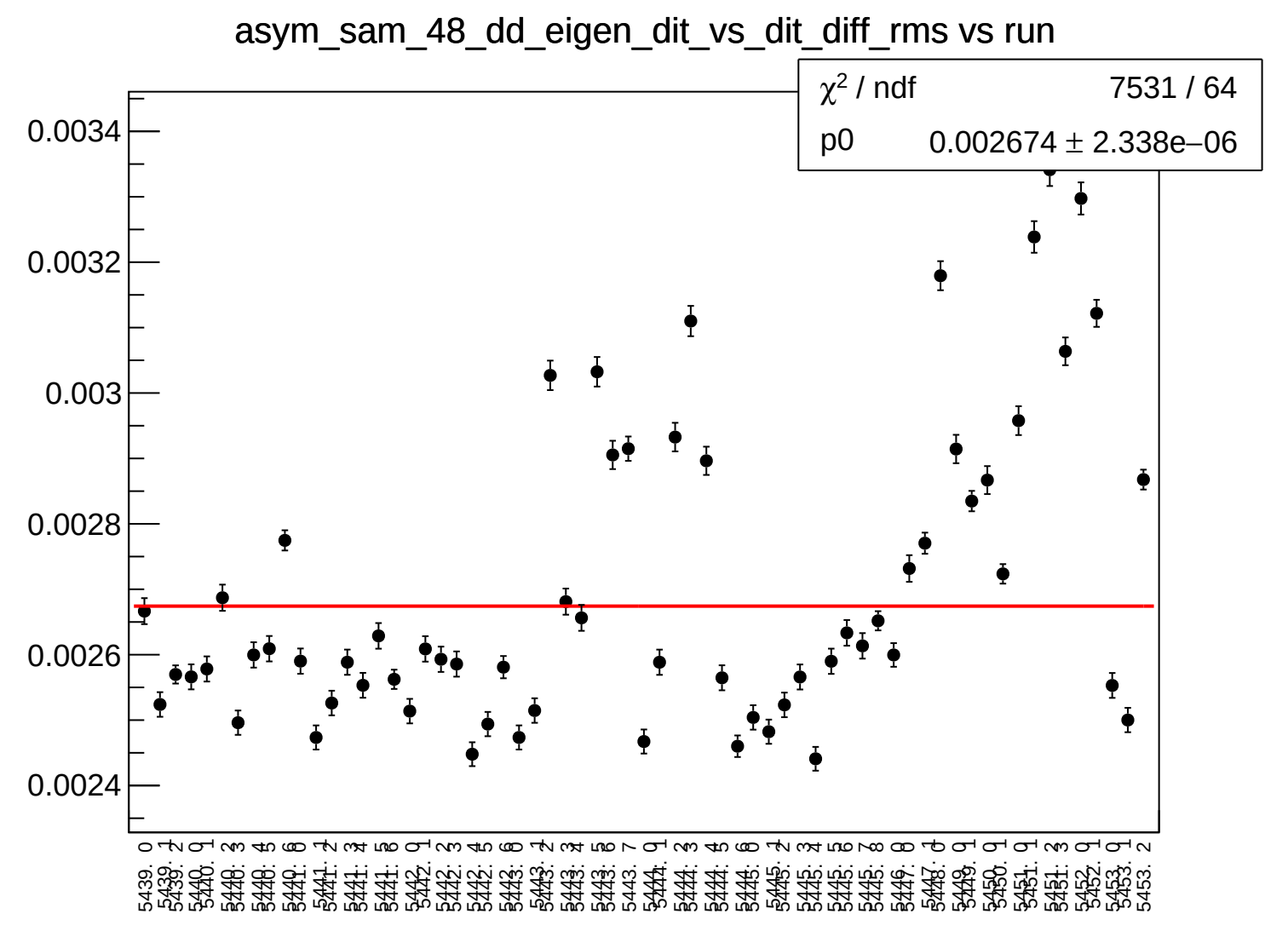

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.06 / 64
p0 −0.07922 ± 0.06779
pull
Entries 65
Mean −95.32
Std Dev 0

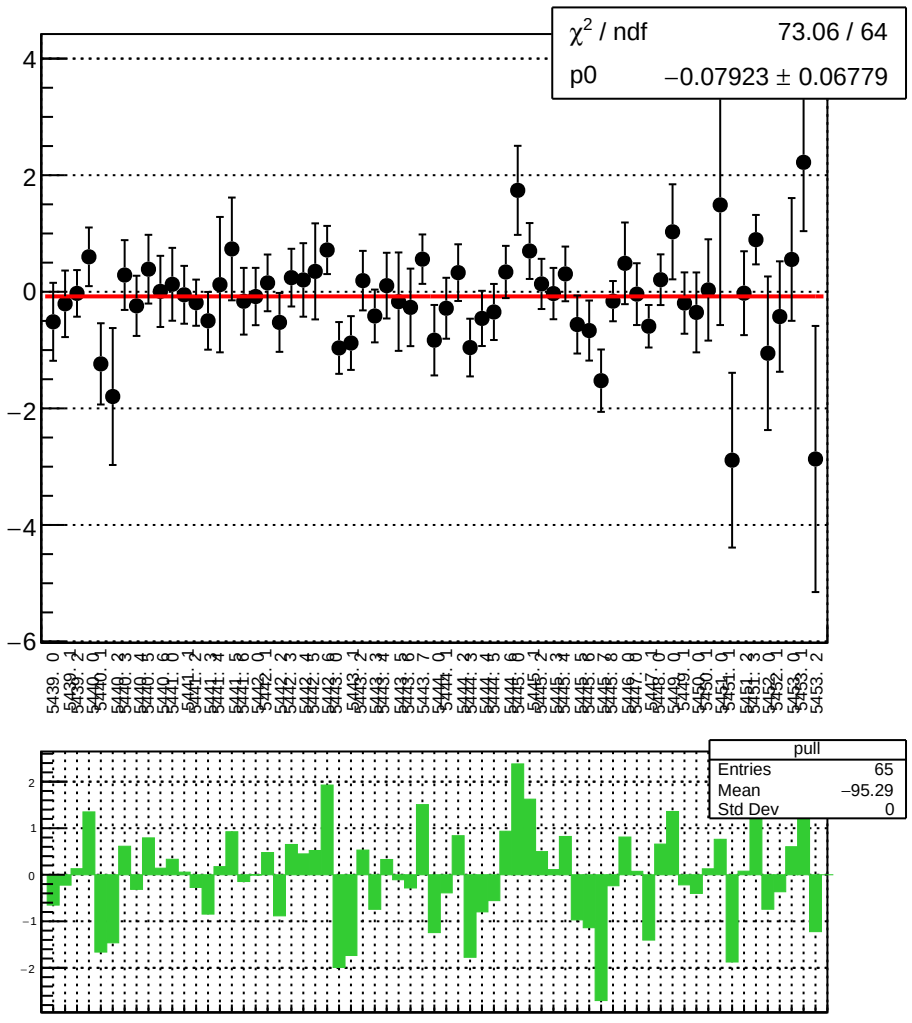

pull1D
Entries 65
Mean −0.008045
Std Dev 1.06

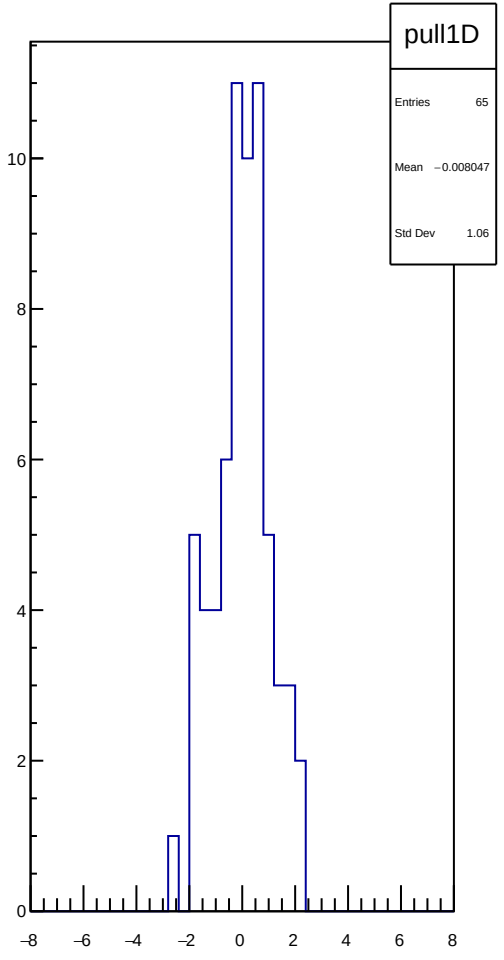

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.219e+05 / 64
p0 52.37 ± 0.04793
300
250
200
150
100
50

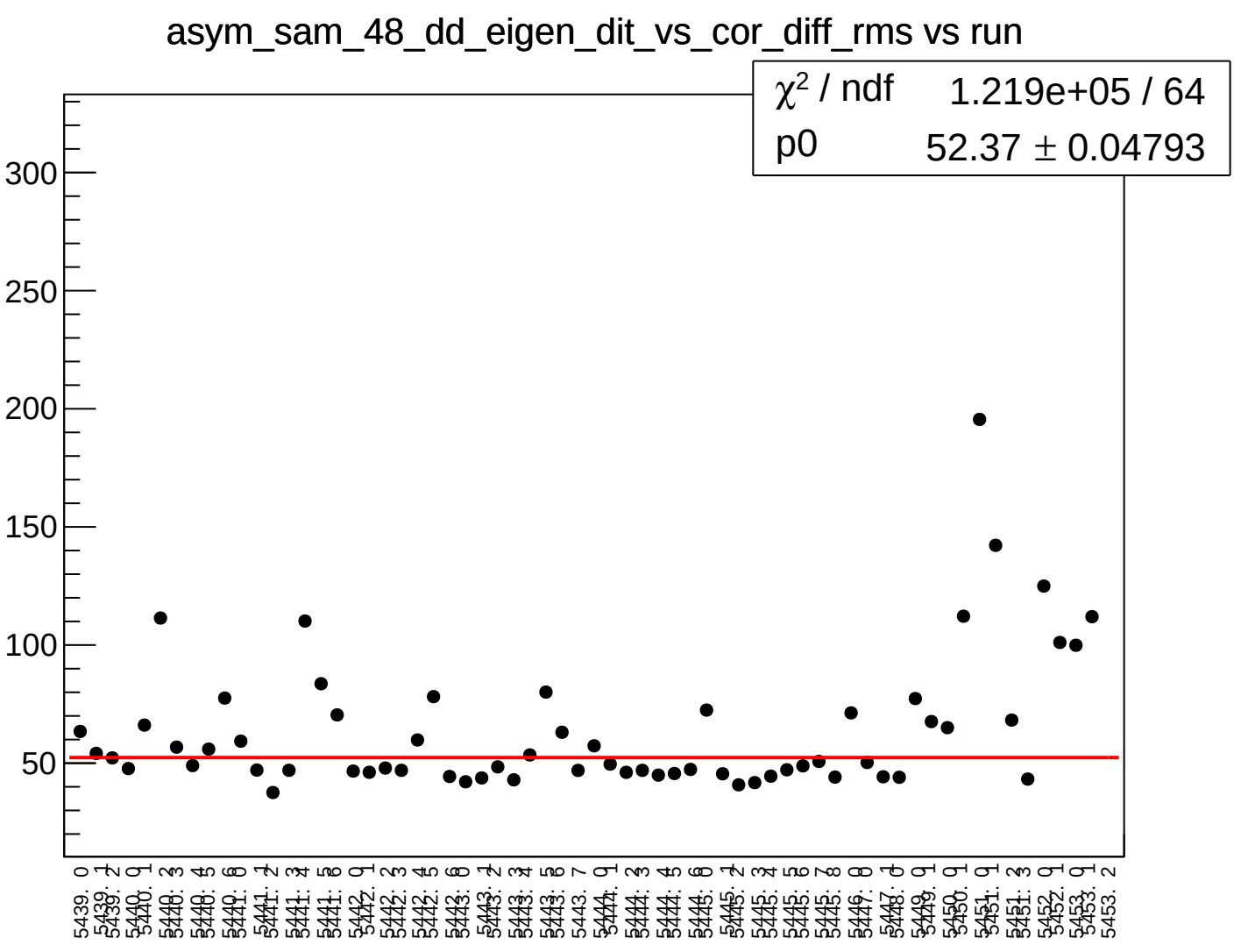

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.87 / 64
p0 −2.449e−06 ± 3.307e−06
pull
Entries 65
Mean 46.56
Std Dev 19.01

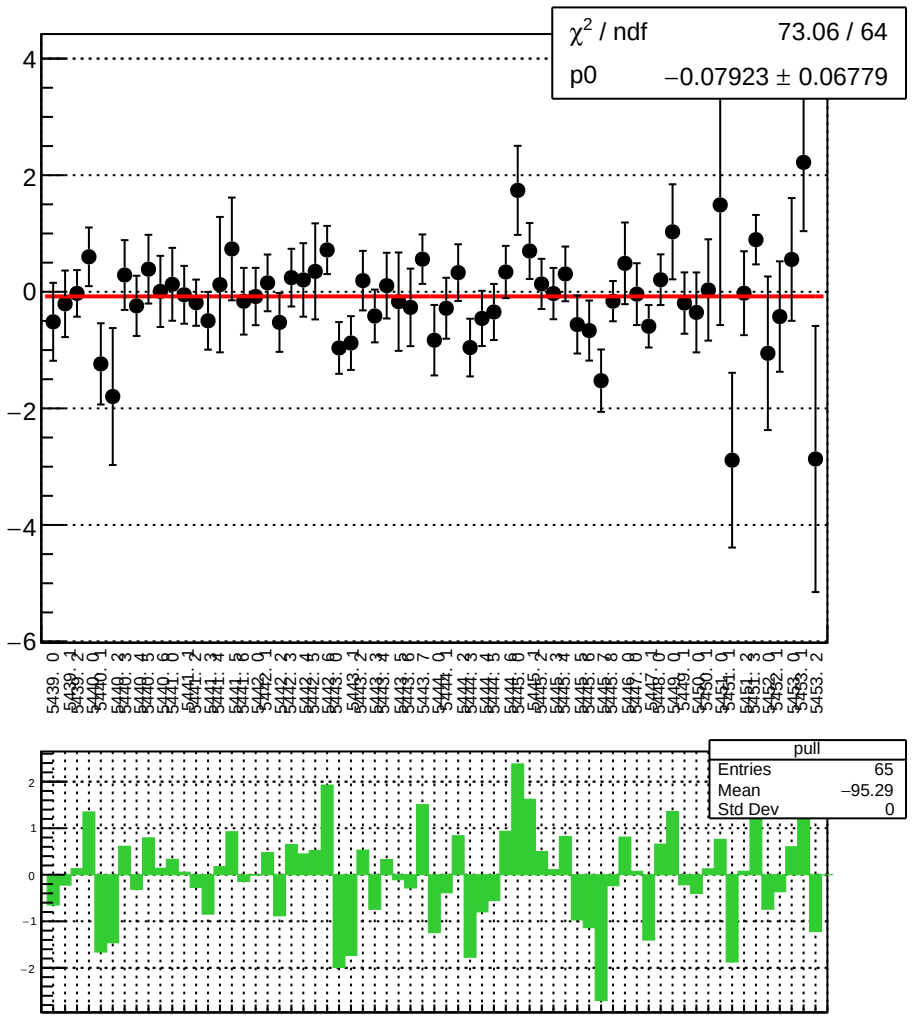

pull1D
Entries 65
Mean −0.03226
Std Dev 0.9985

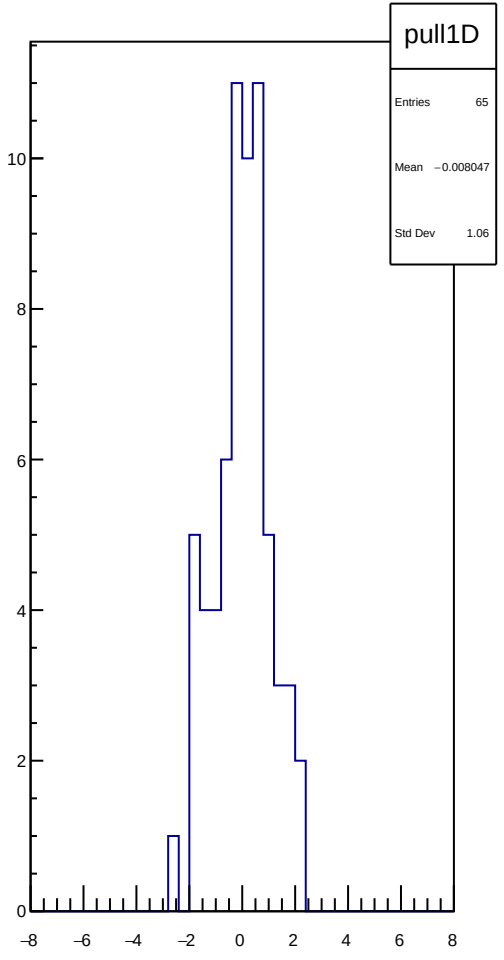

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7531 / 64
p0 0.002674 ± 2.338e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024

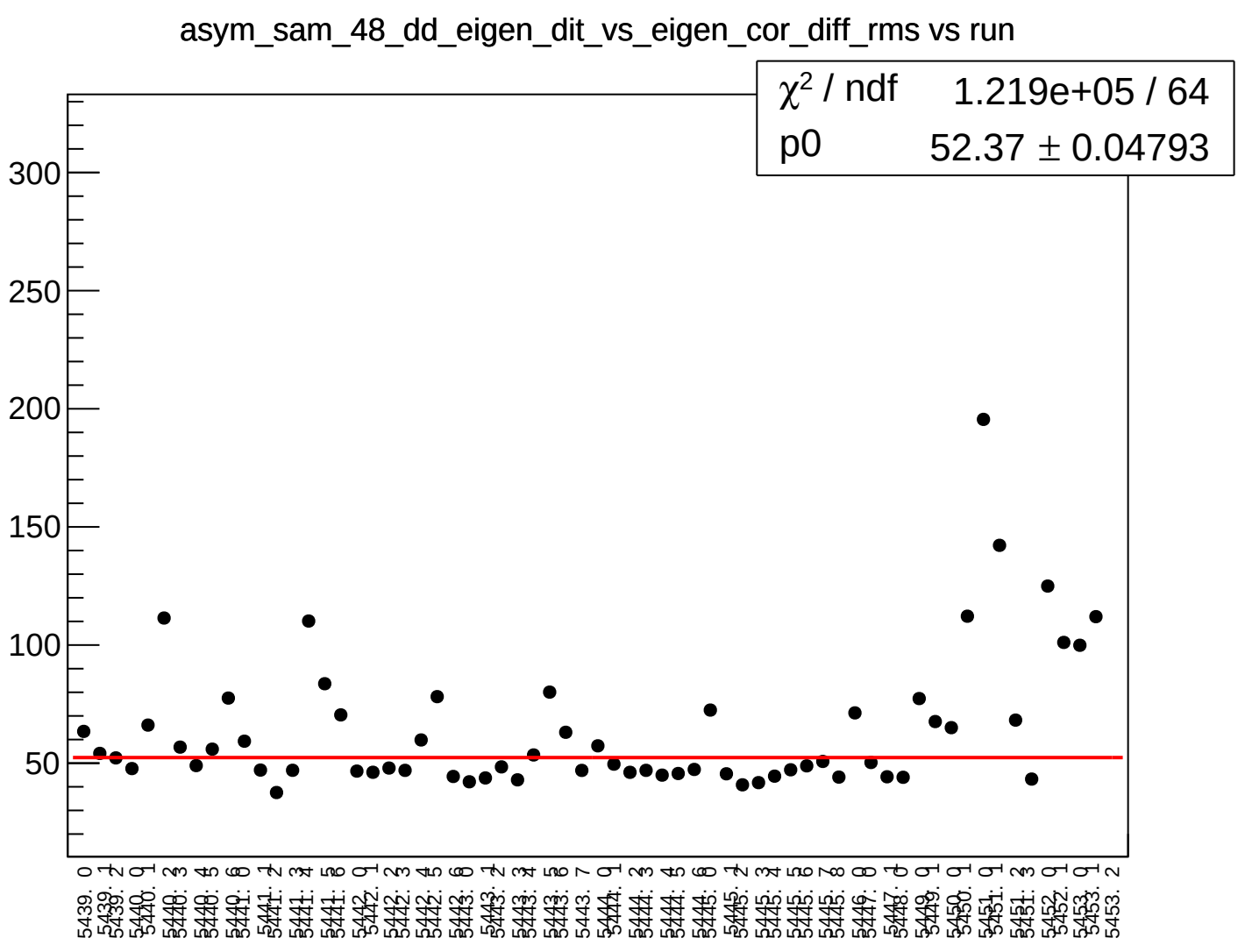

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.06 / 64
p0 −0.07923 ± 0.06779
pull
Entries 65
Mean −95.29
Std Dev 0

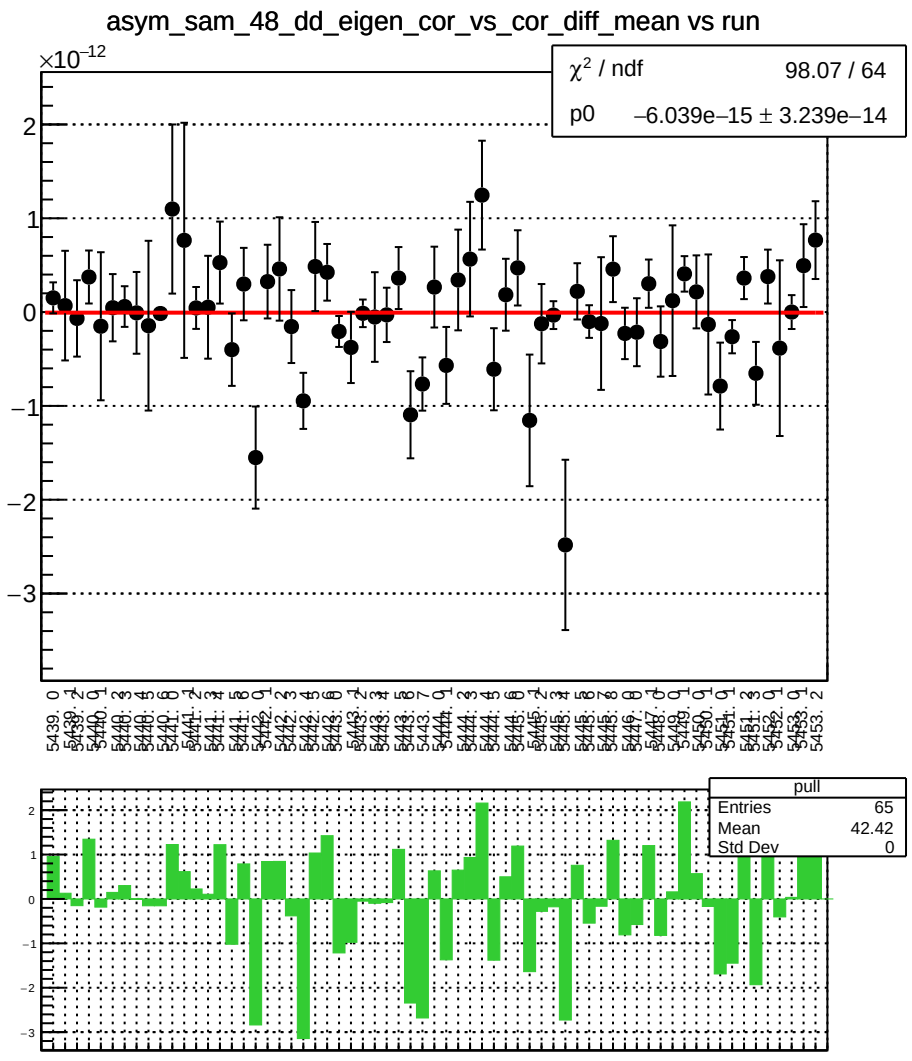

pull1D
Entries 65
Mean −0.008047
Std Dev 1.06

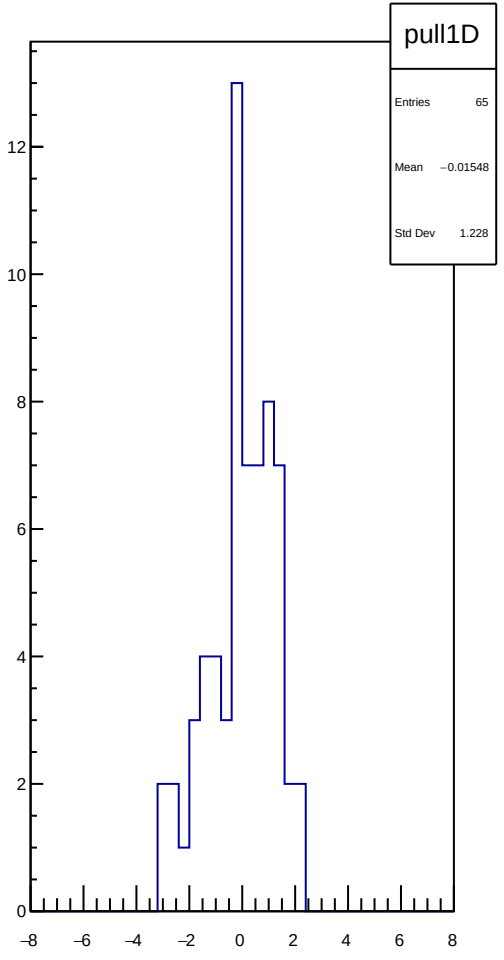

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.219e+05 / 64
p0 52.37 ± 0.04793
300
250
200
150
100
50

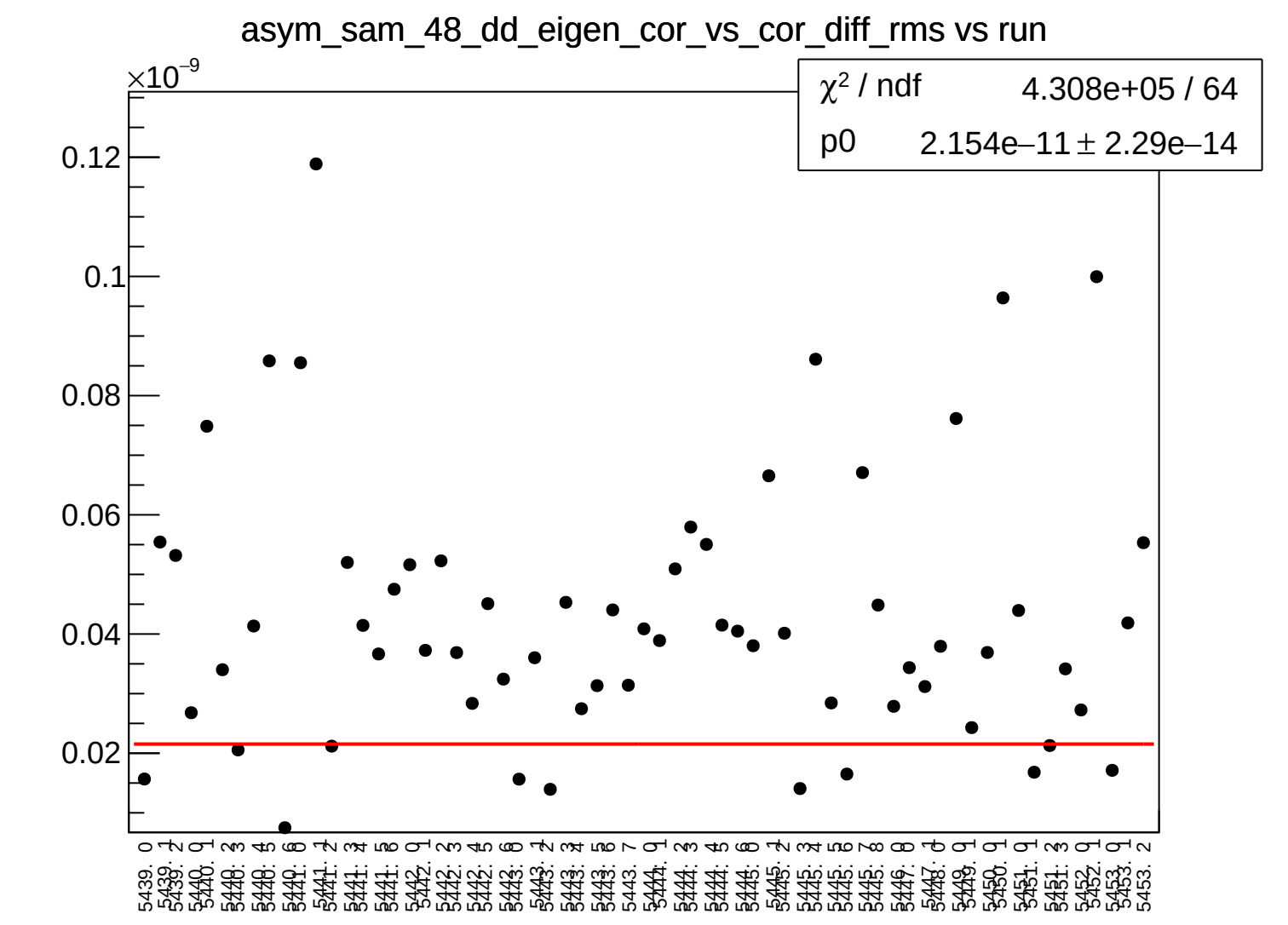

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.06 / 64
p0 −0.07923 ± 0.06779
pull
Entries 65
Mean −95.29
Std Dev 0

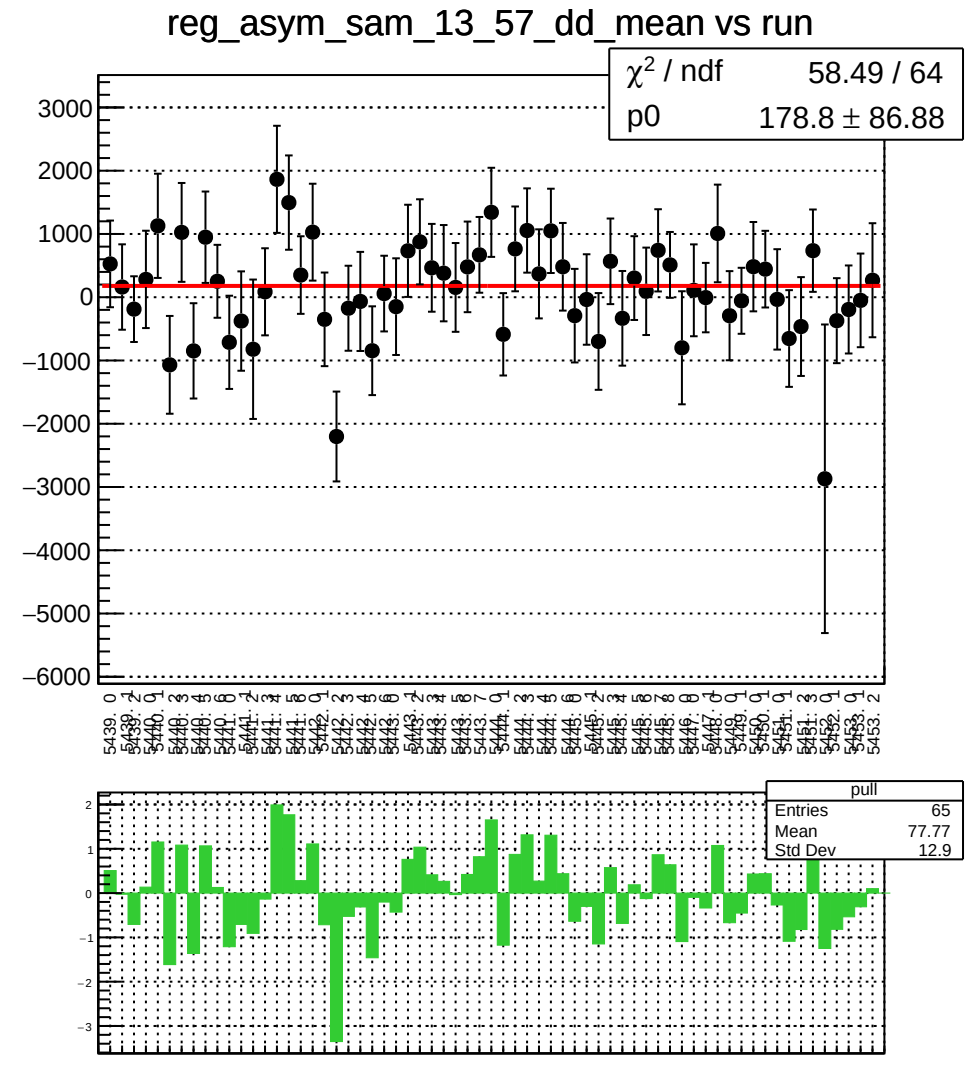

pull1D
Entries 65
Mean −0.008047
Std Dev 1.06

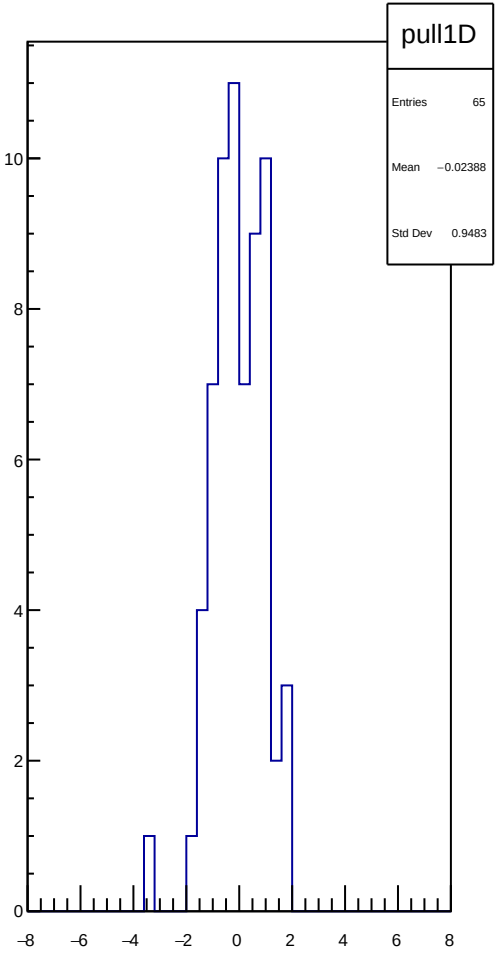

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.219e+05 / 64
p0 52.37 ± 0.04793
300
250
200
150
100
50

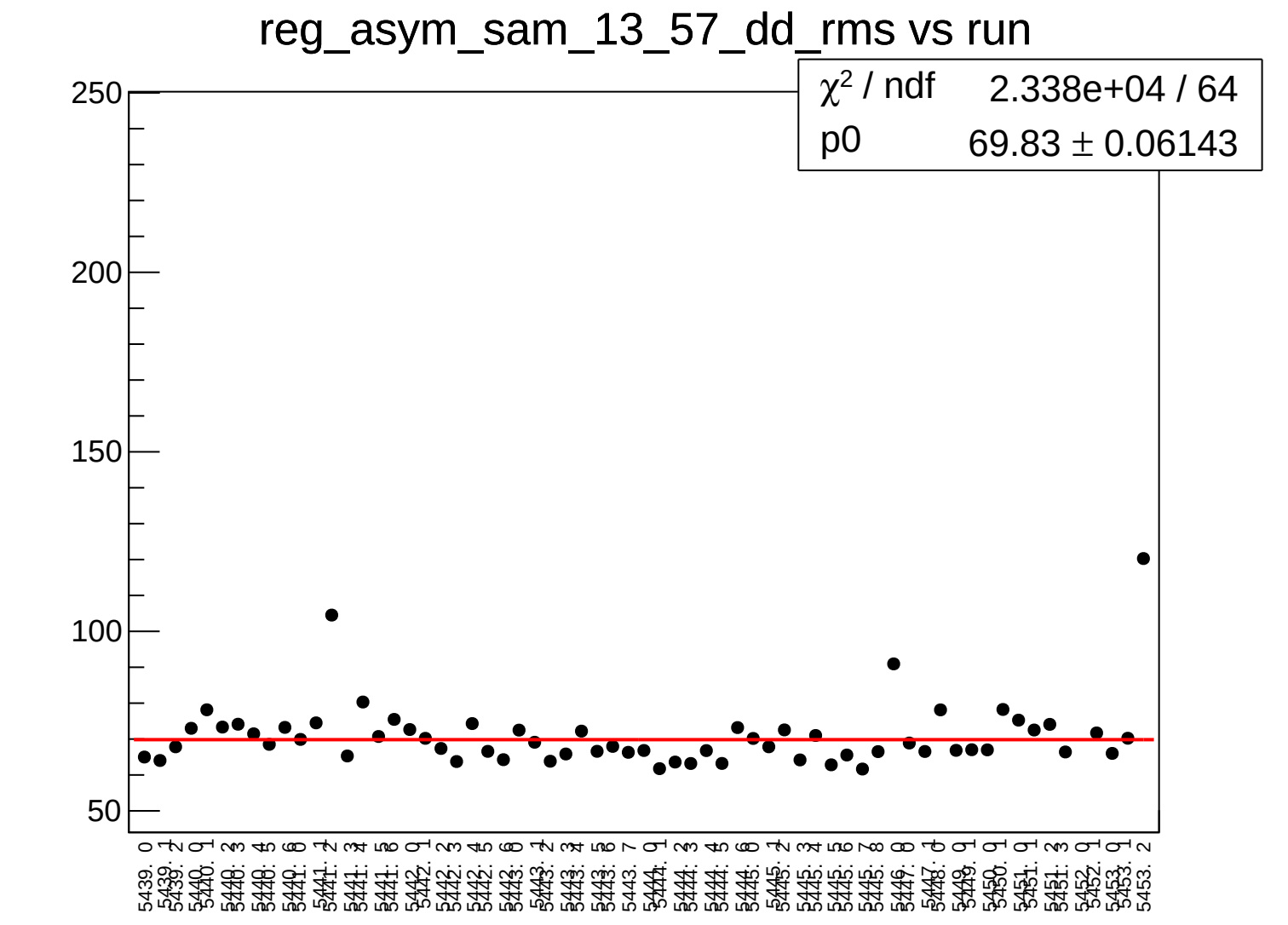

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.07 / 64
p0 −6.039e−15 ± 3.239e−14
pull
Entries 65
Mean 42.42
Std Dev 0

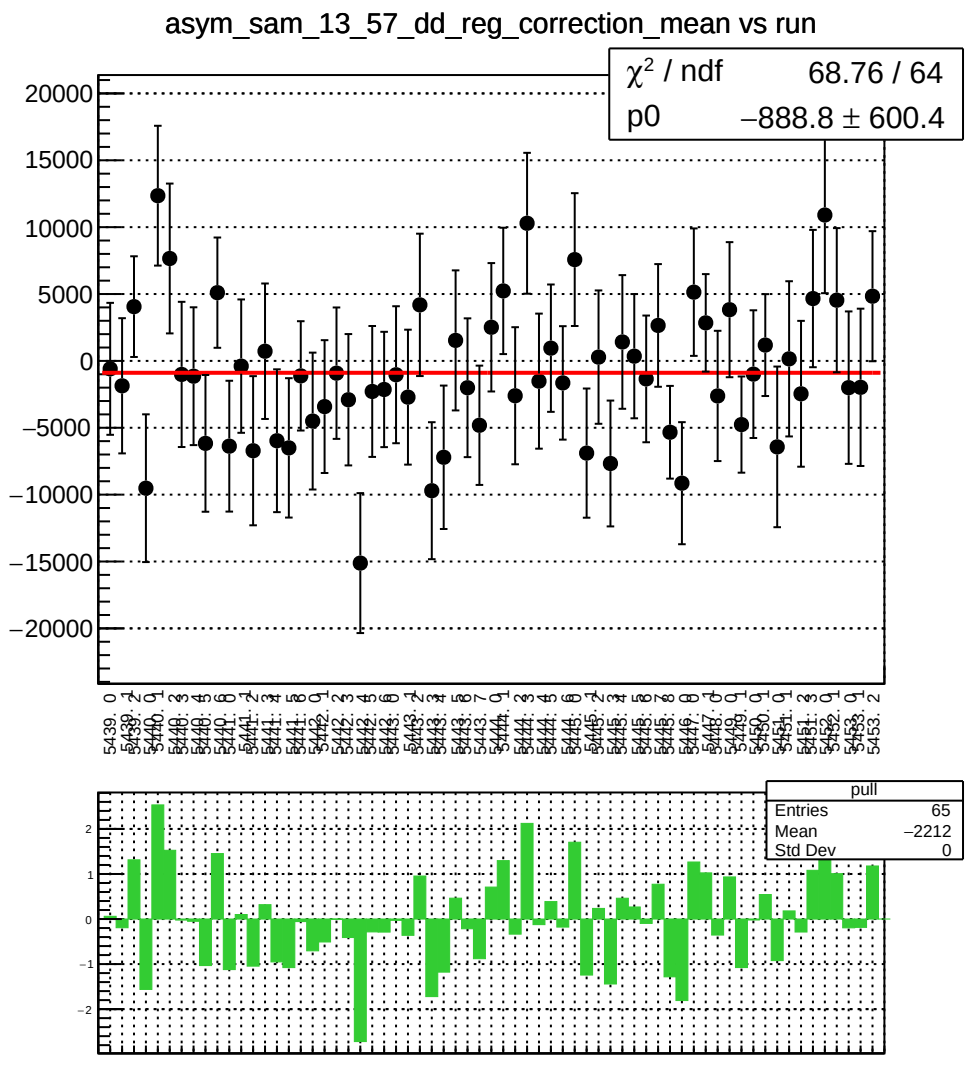

pull1D
Entries 65
Mean −0.01548
Std Dev 1.228

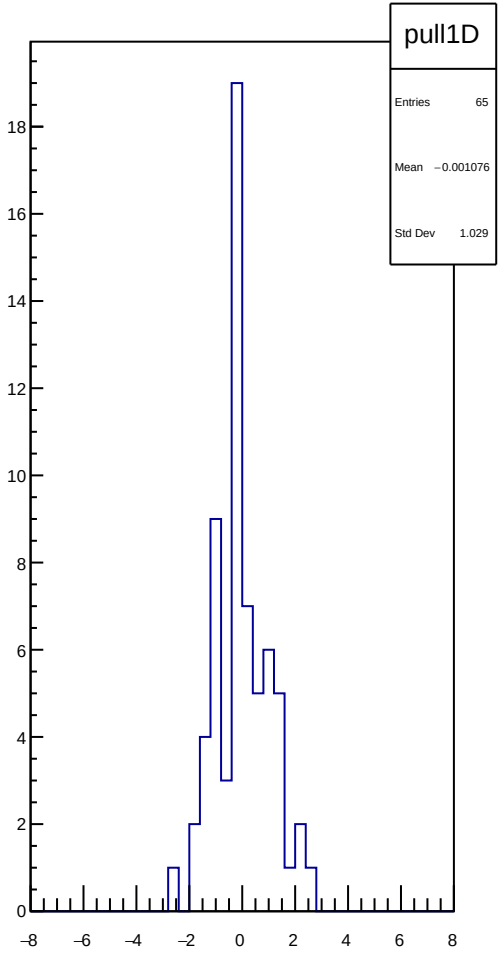

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.308e+05 / 64
p0 2.154e−11 ± 2.29e−14
0.12
0.1
0.08
0.06
0.04
0.02

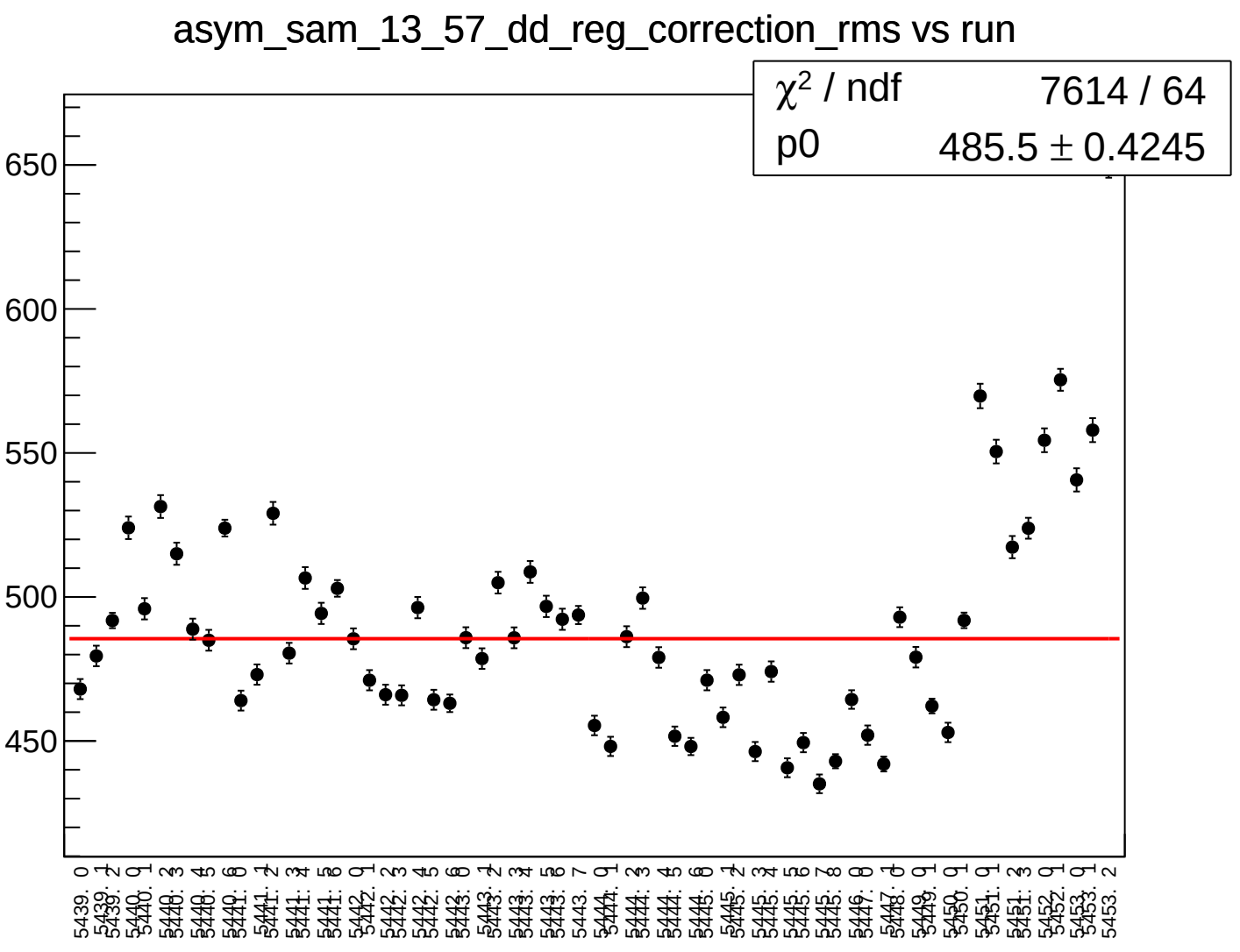

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 58.49 / 64
p0 178.8 ± 86.88
pull
Entries 65
Mean 77.77
Std Dev 12.9

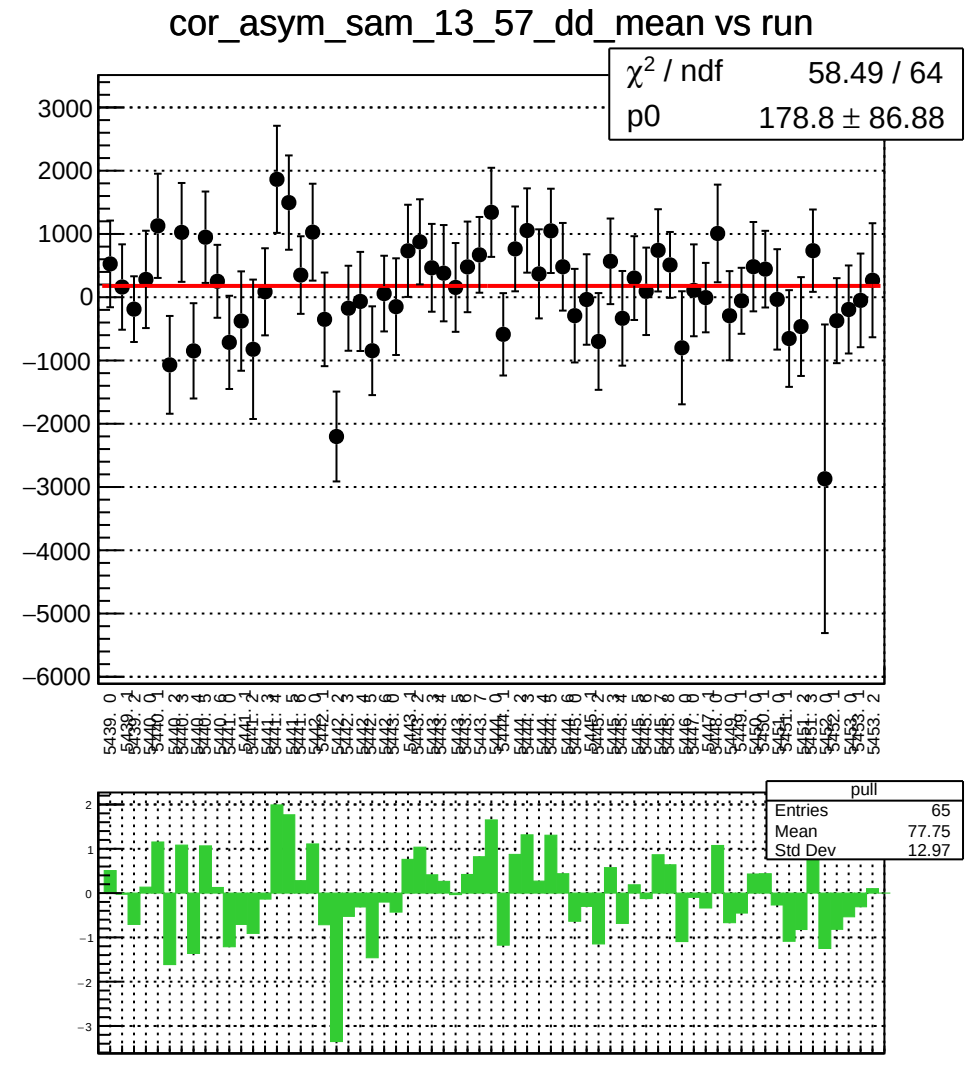

pull1D
Entries 65
Mean −0.02388
Std Dev 0.9483

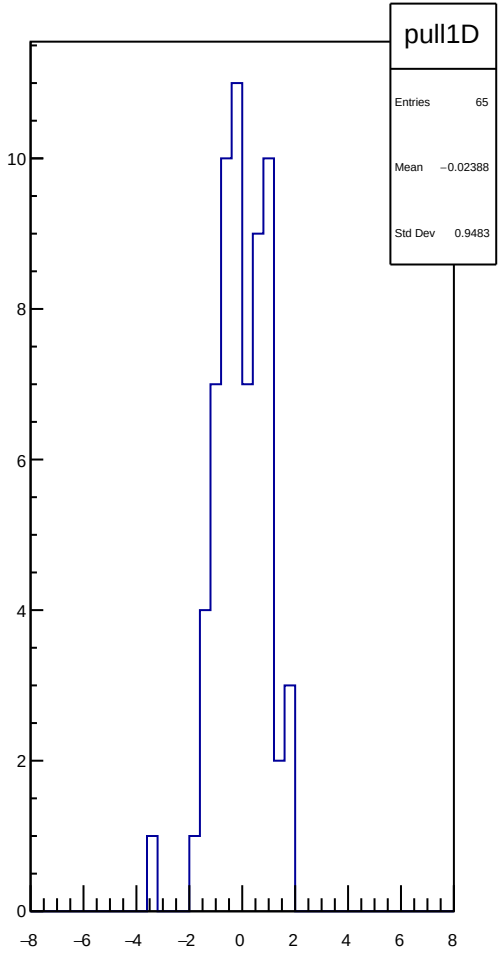

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.338e+04 / 64
p0 69.83 ± 0.06143
250
200
150
100
50

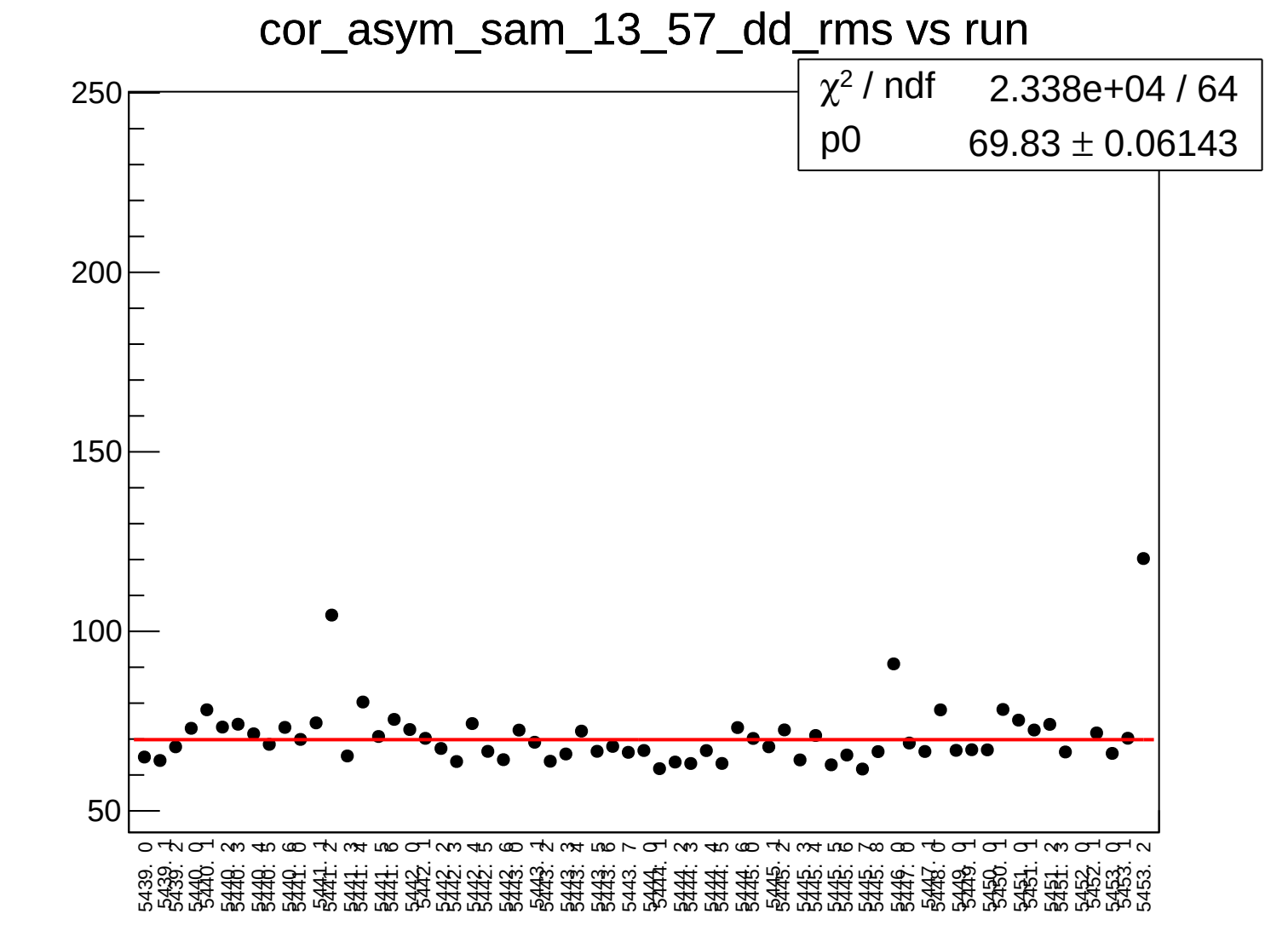

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 68.76 / 64
p0 −888.8 ± 600.4
pull
Entries 65
Mean −2212
Std Dev 0

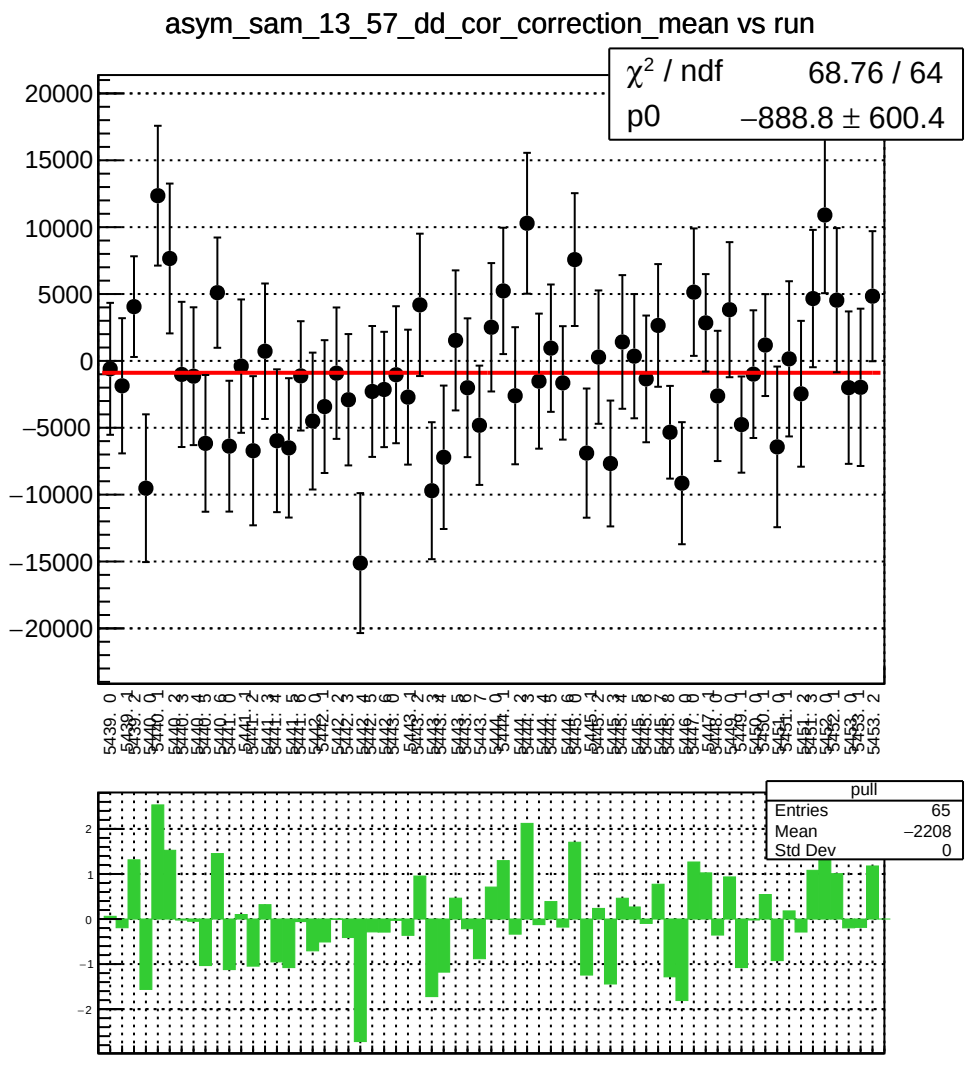

pull1D
Entries 65
Mean −0.001076
Std Dev 1.029

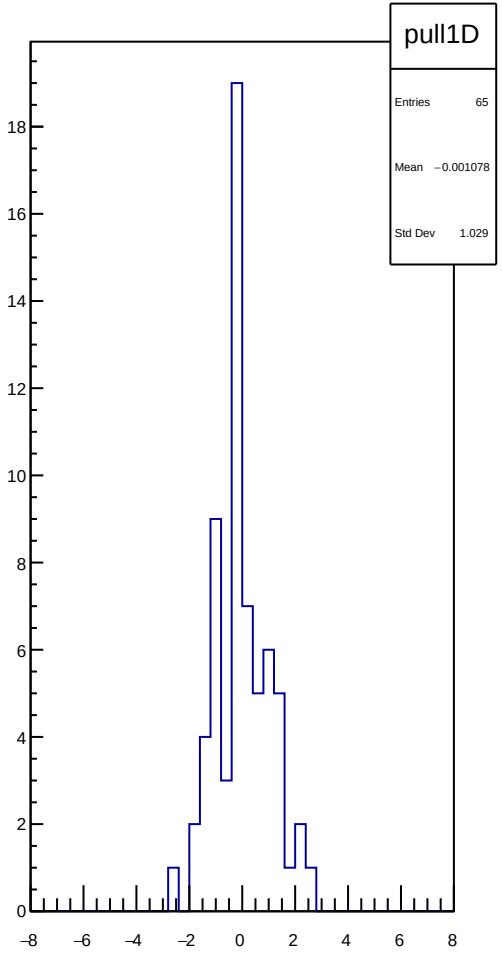

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 7614 / 64
p0 485.5 ± 0.4245
650
600
550
500
450

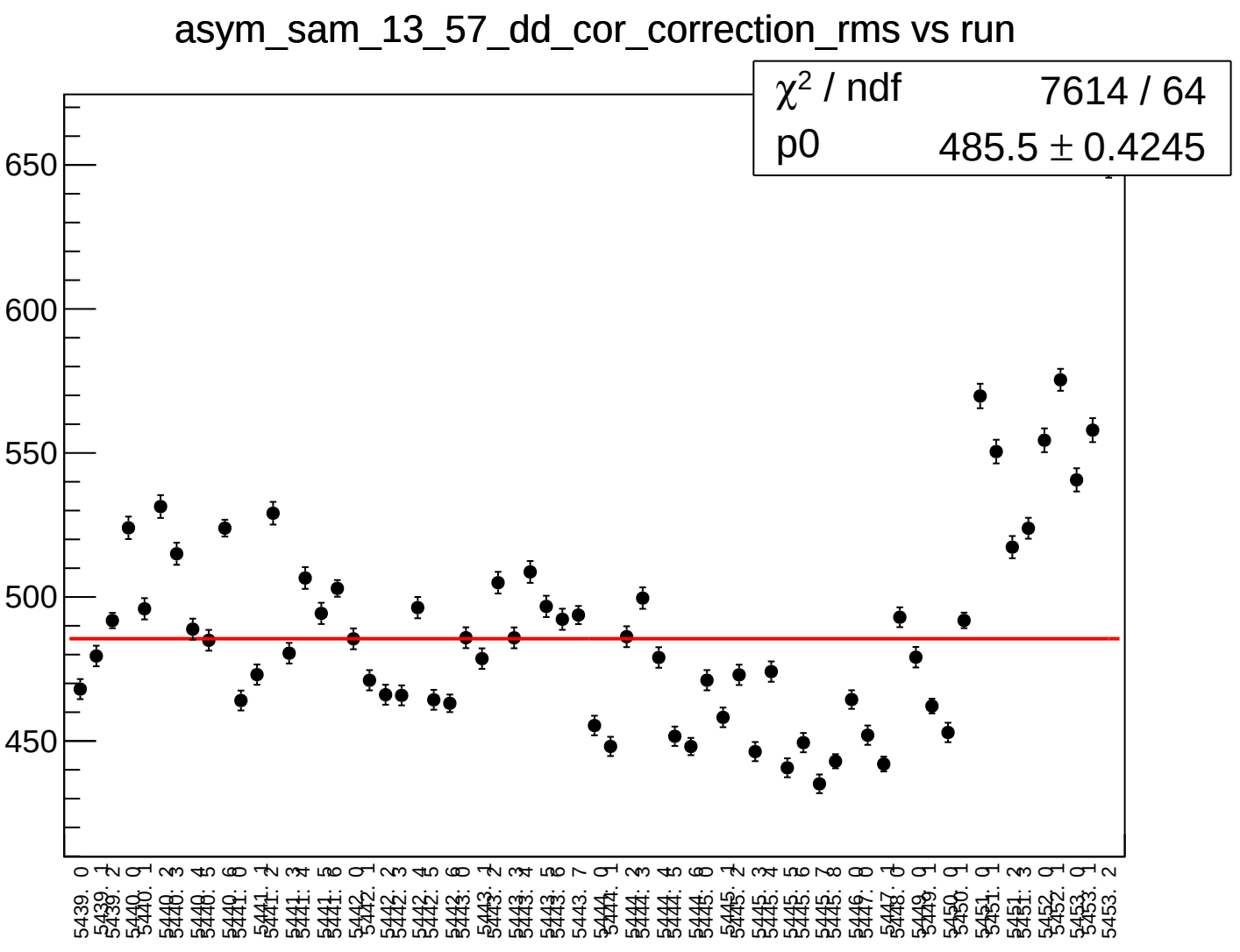

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 58.49 / 64
p0 178.8 ± 86.88
pull
Entries 65
Mean 77.75
Std Dev 12.97

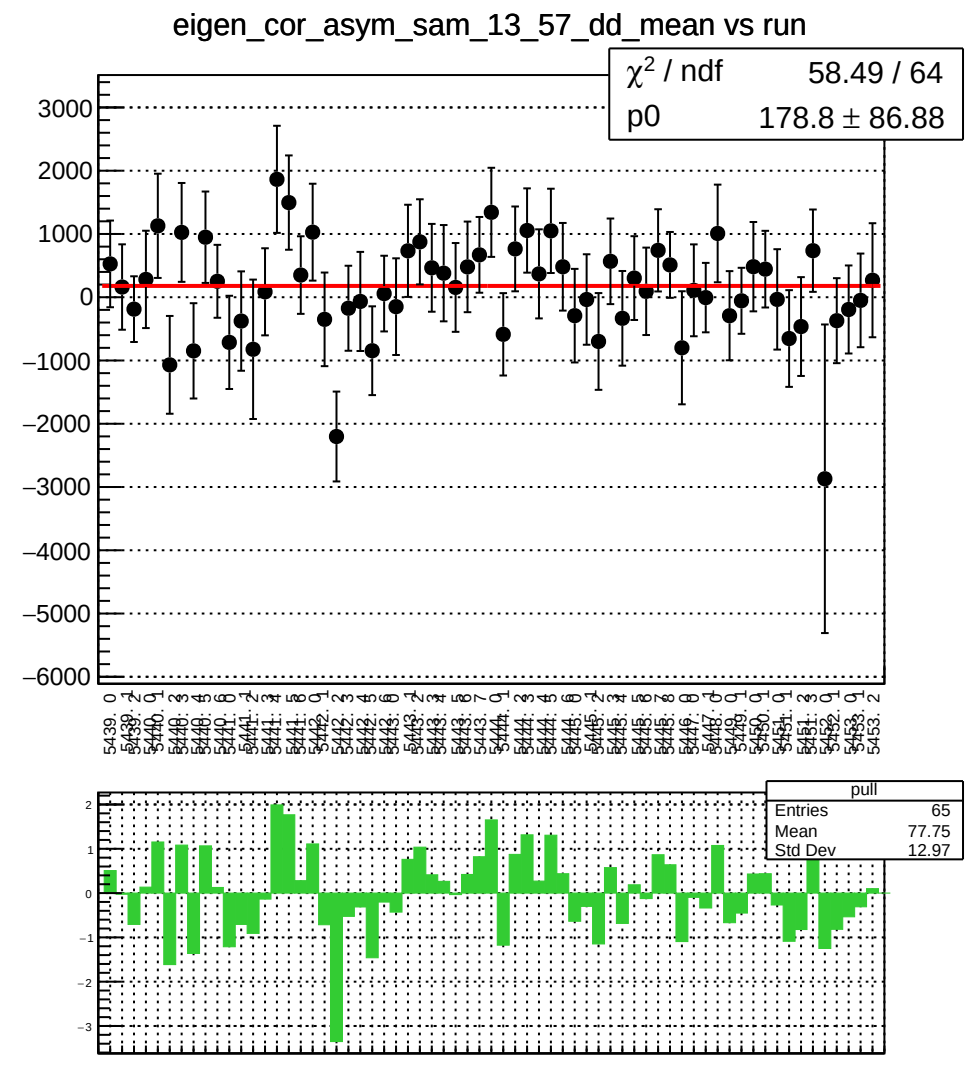

pull1D
Entries 65
Mean −0.02388
Std Dev 0.9483

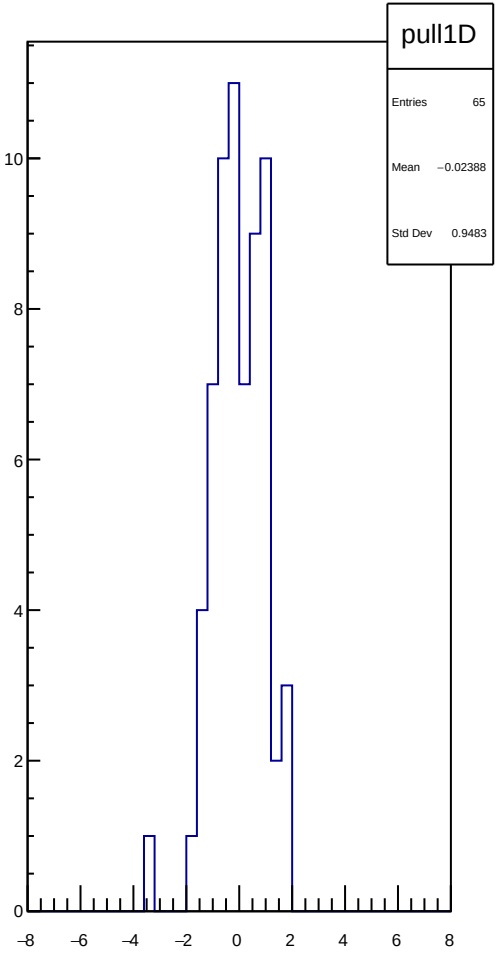

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.338e+04 / 64
p0 69.83 ± 0.06143
250
200
150
100
50

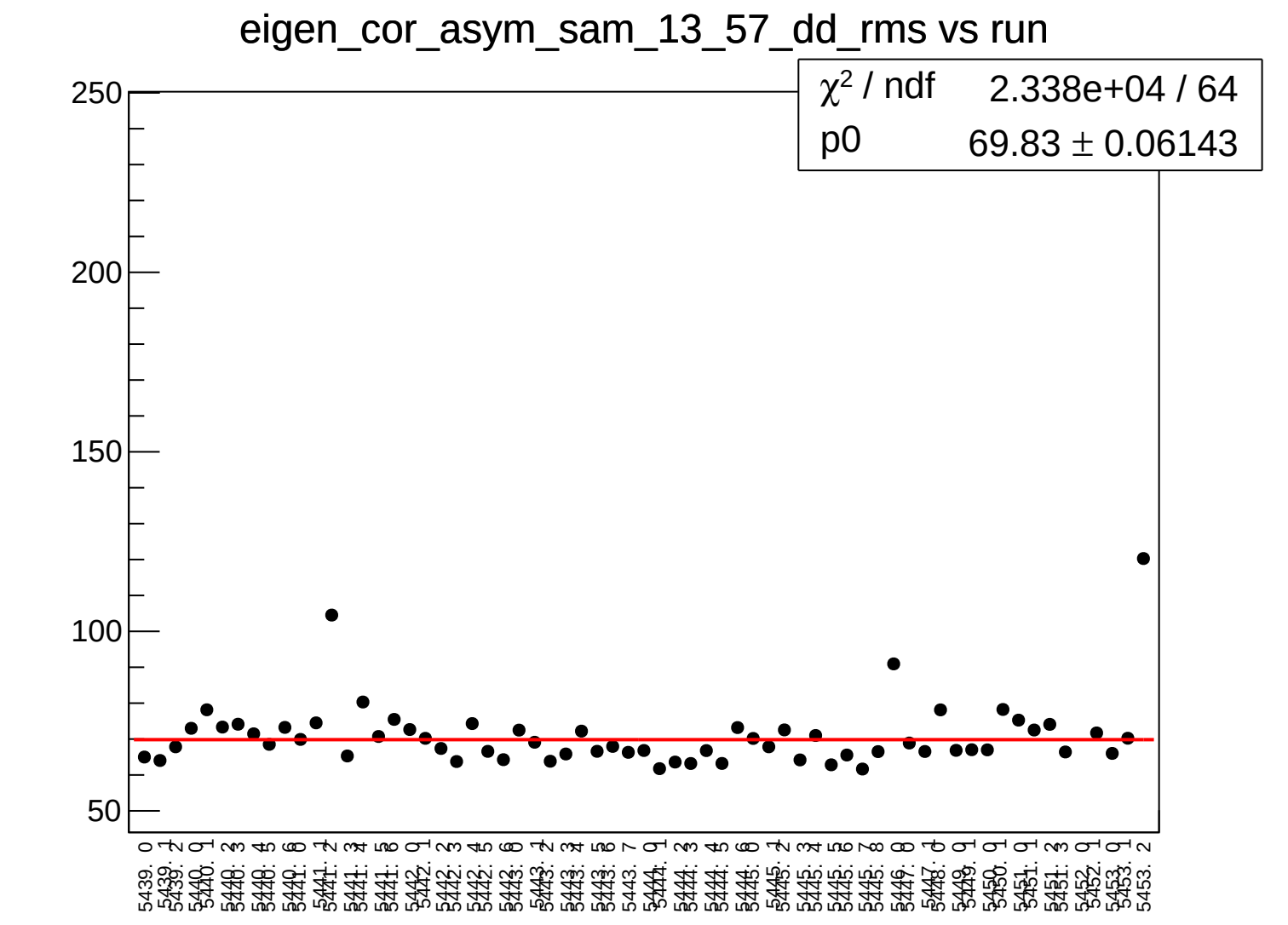

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 68.76 / 64
p0 −888.8 ± 600.4
pull
Entries 65
Mean −2208
Std Dev 0

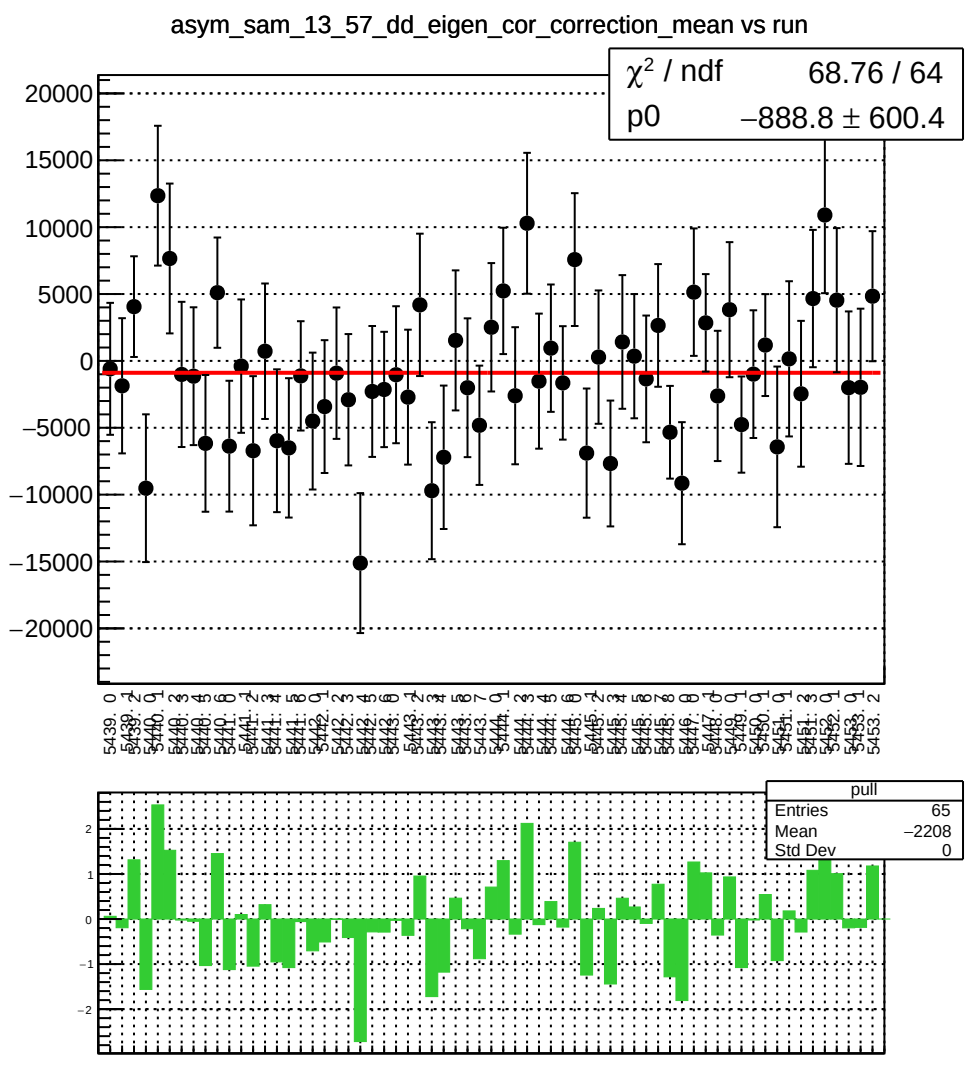

pull1D
Entries 65
Mean −0.001078
Std Dev 1.029

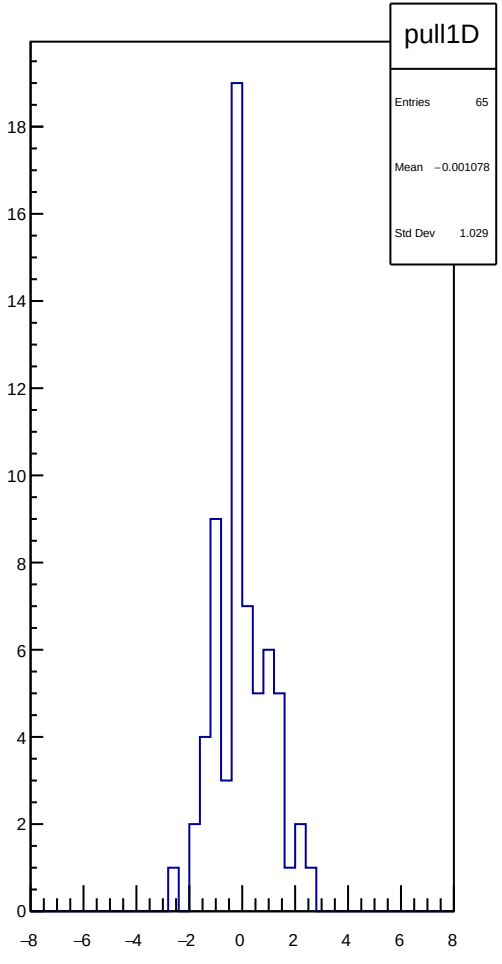

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 7614 / 64
p0 485.5 ± 0.4245
650
600
550
500
450

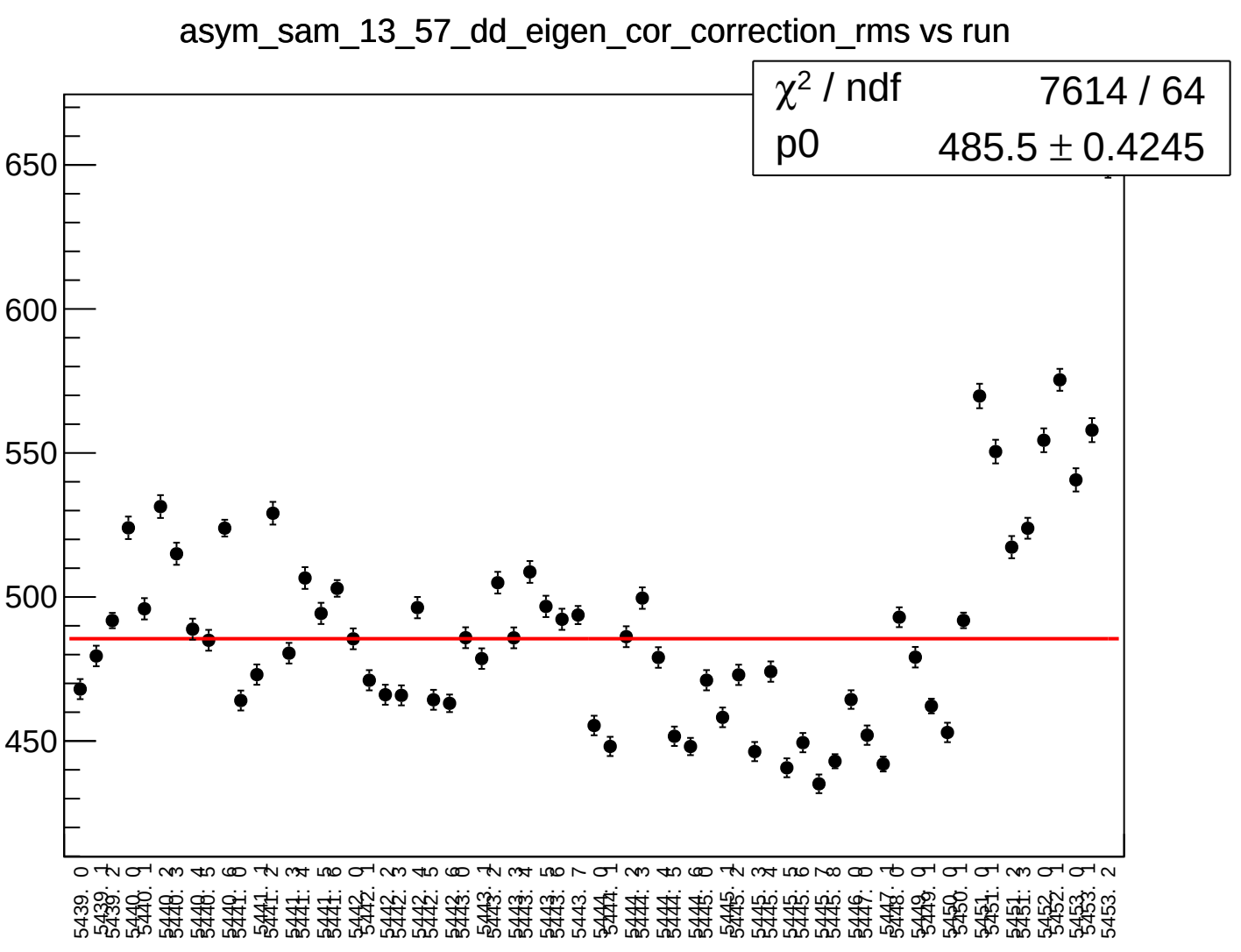

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 58.49 / 64
p0 178.8 ± 86.88
pull
Entries 65
Mean 77.75
Std Dev 12.97

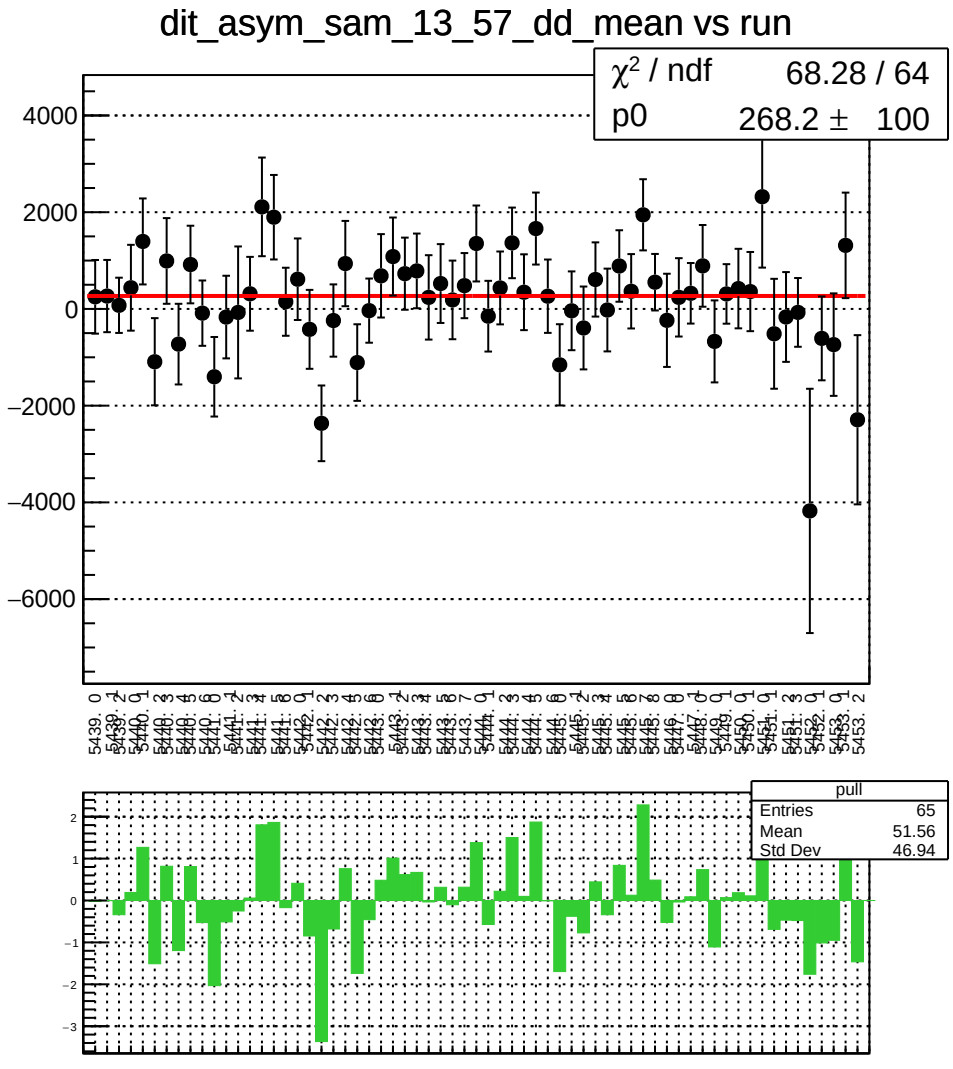

pull1D
Entries 65
Mean −0.02388
Std Dev 0.9483

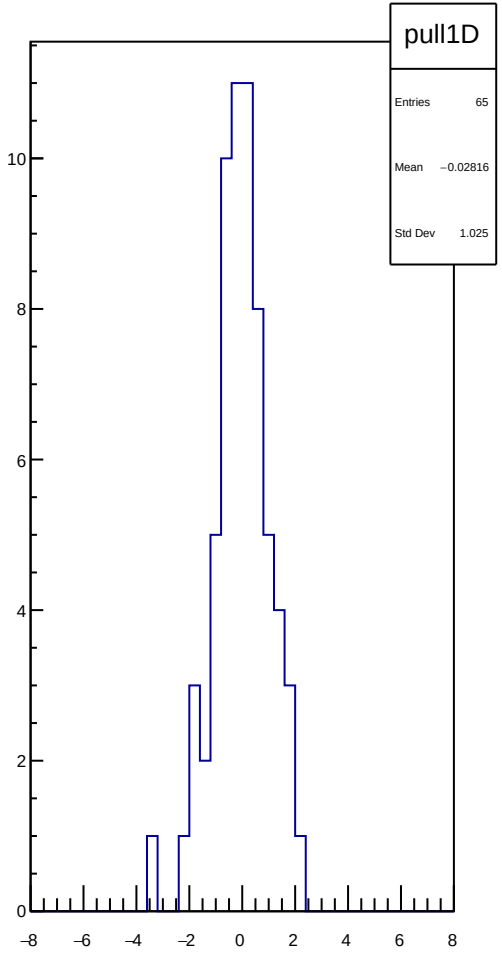

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.338e+04 / 64
p0 69.83 ± 0.06143
250
200
150
100
50

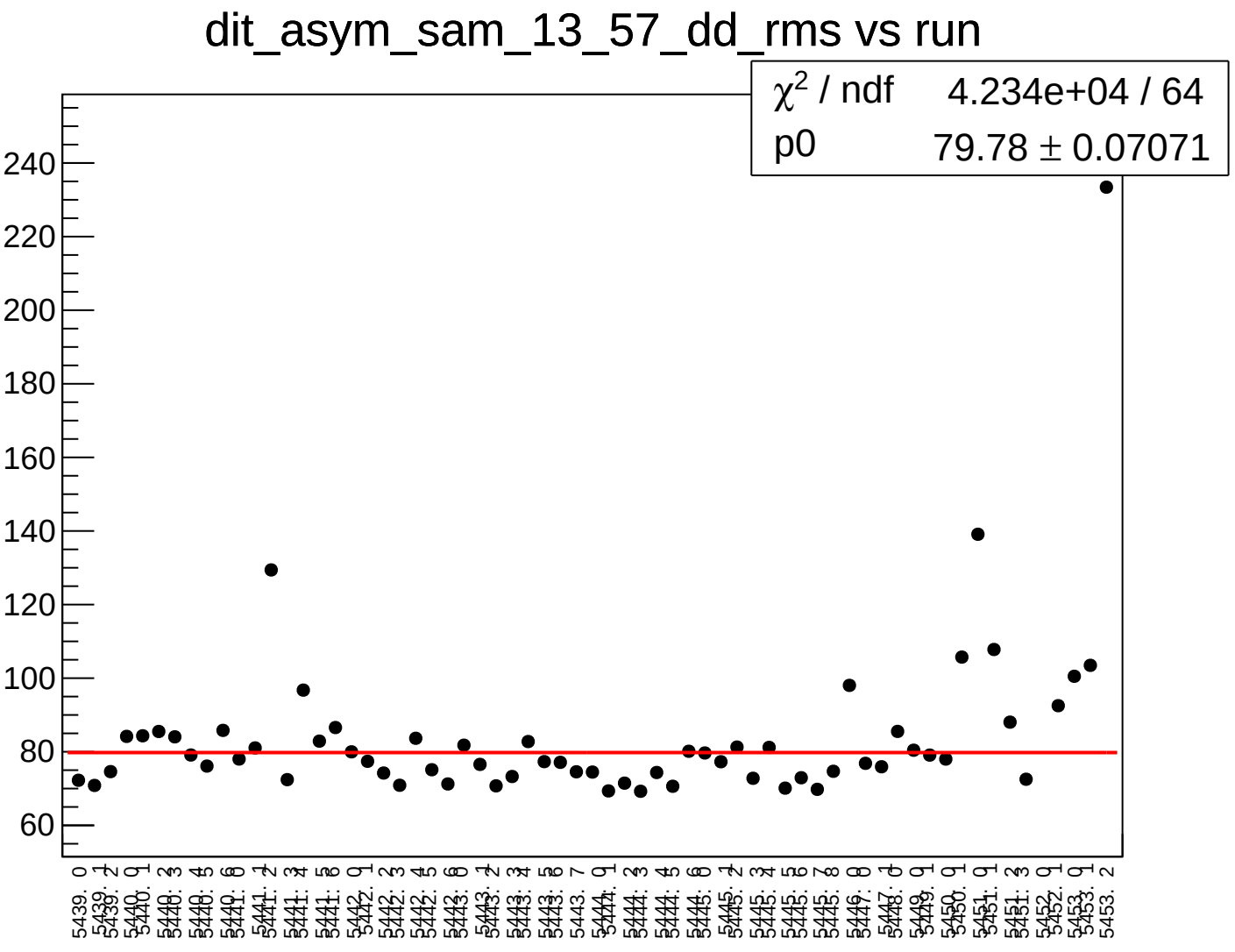

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.76 / 64
p0 −888.8 ± 600.4
pull
Entries 65
Mean −2208
Std Dev 0

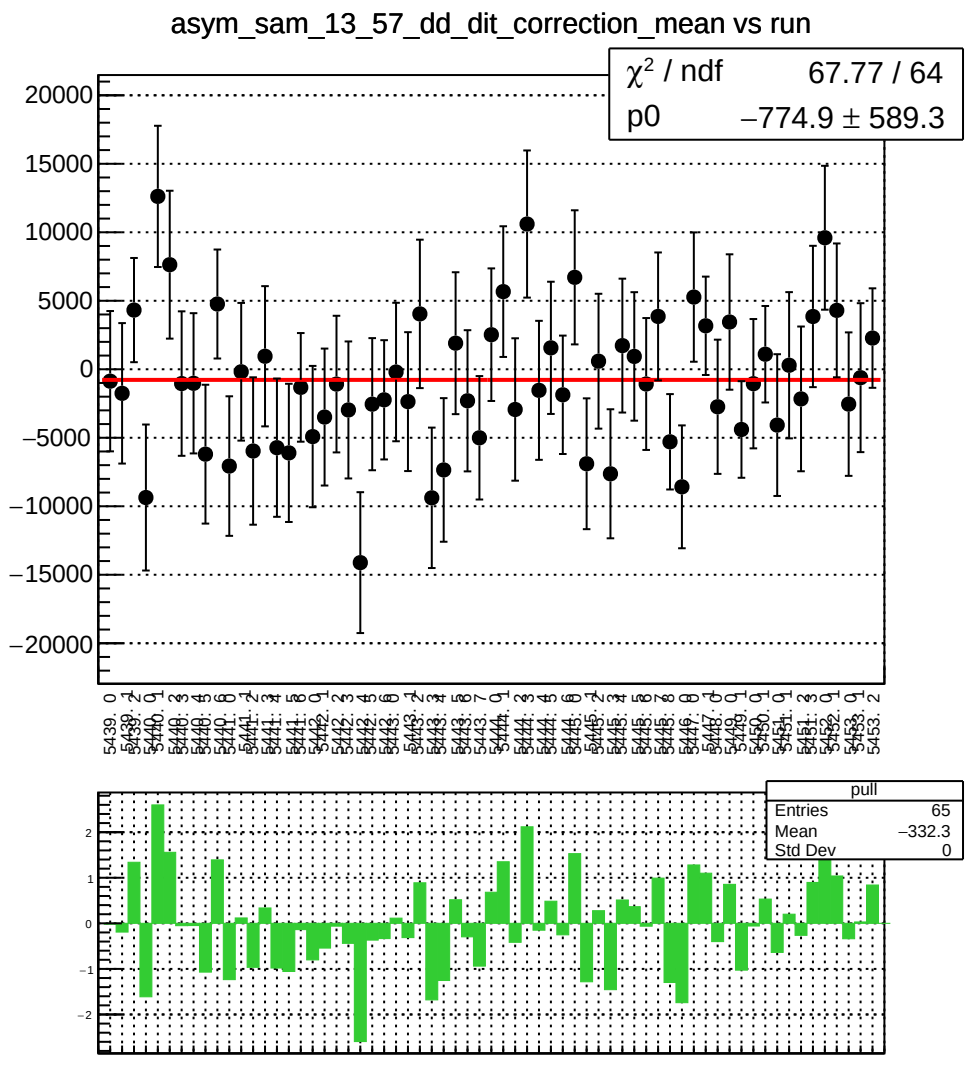

pull1D
Entries 65
Mean −0.001078
Std Dev 1.029

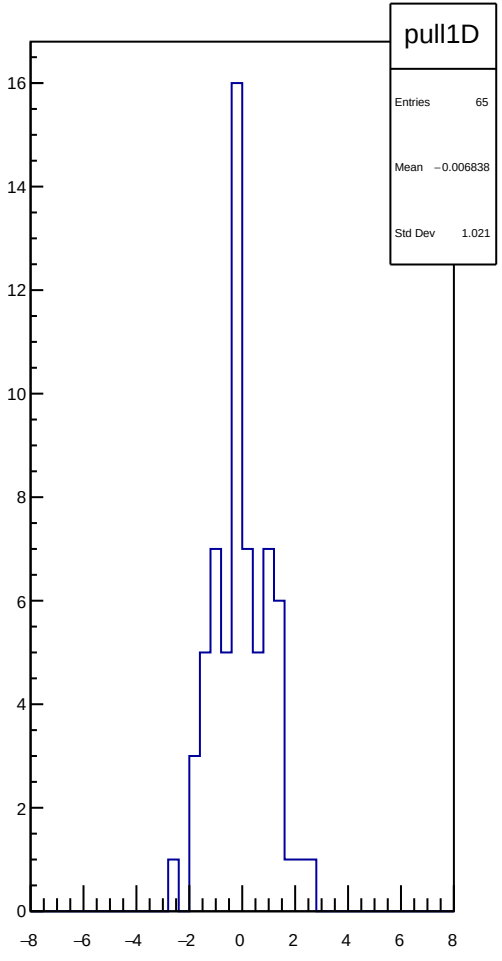

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 7614 / 64
p0 485.5 ± 0.4245
650
600
550
500
450

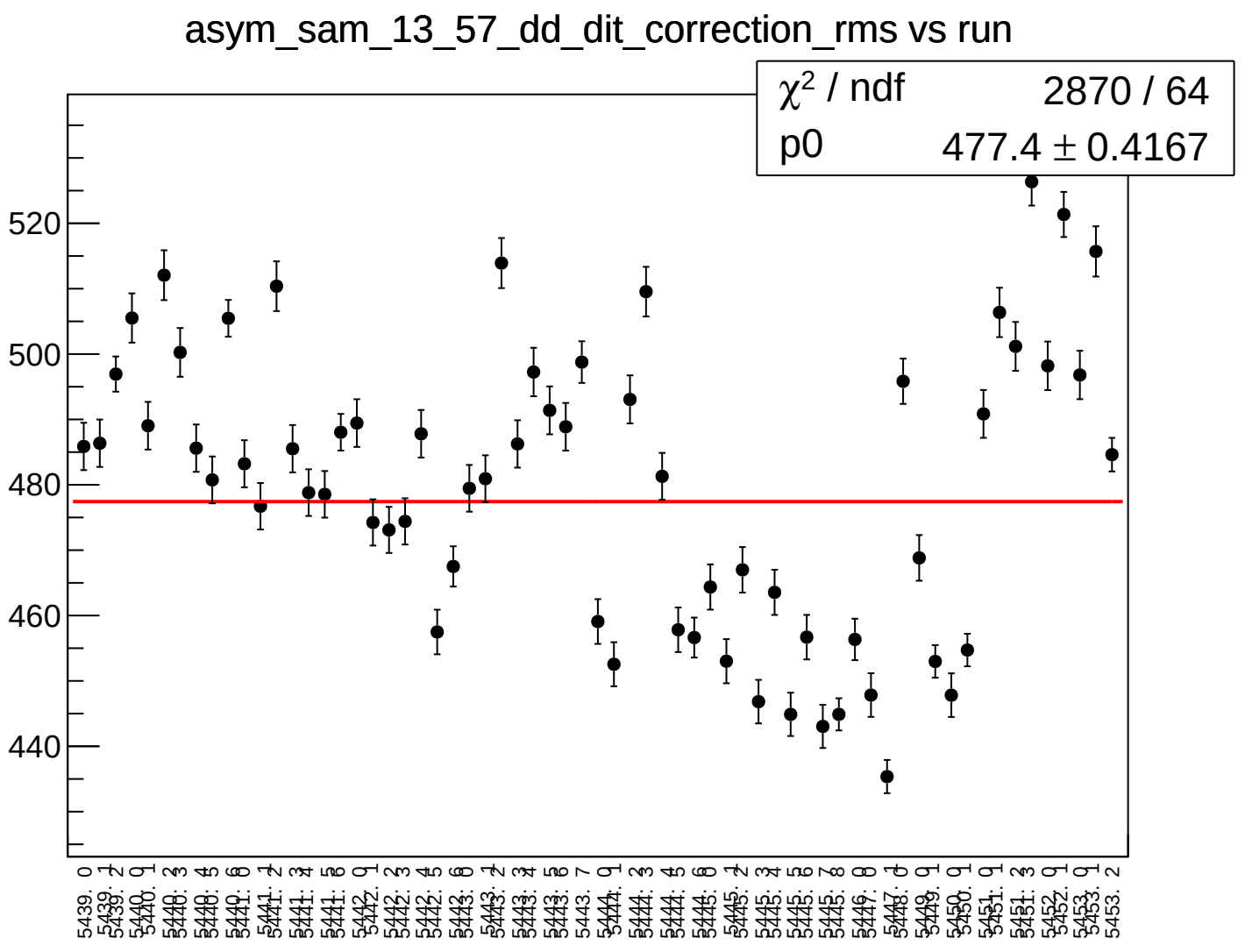

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 68.28 / 64
p0 268.2 ± 100
4000
2000
0
−2000
−4000
−6000
pull
Entries 65
Mean 51.56
Std Dev 46.94
2
1
0
−1
−2
−3

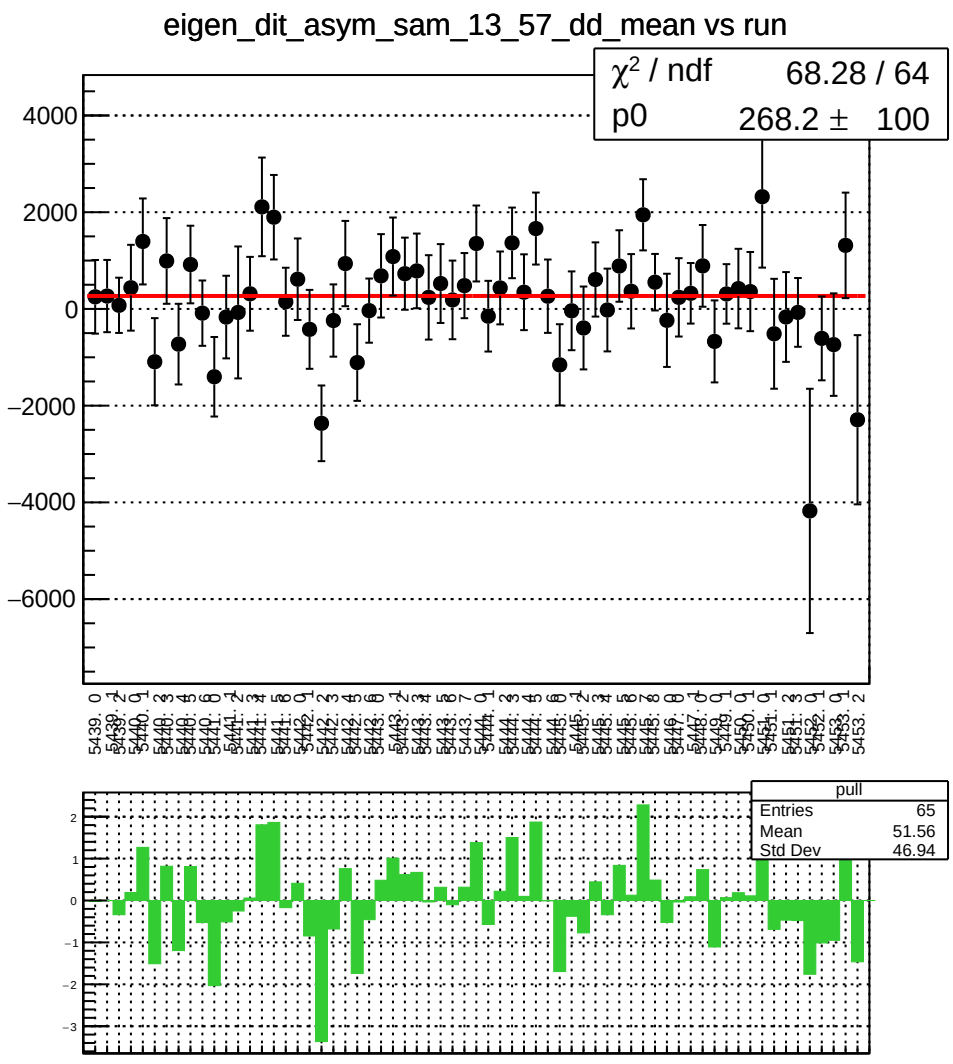

pull1D
Entries 65
Mean −0.02816
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

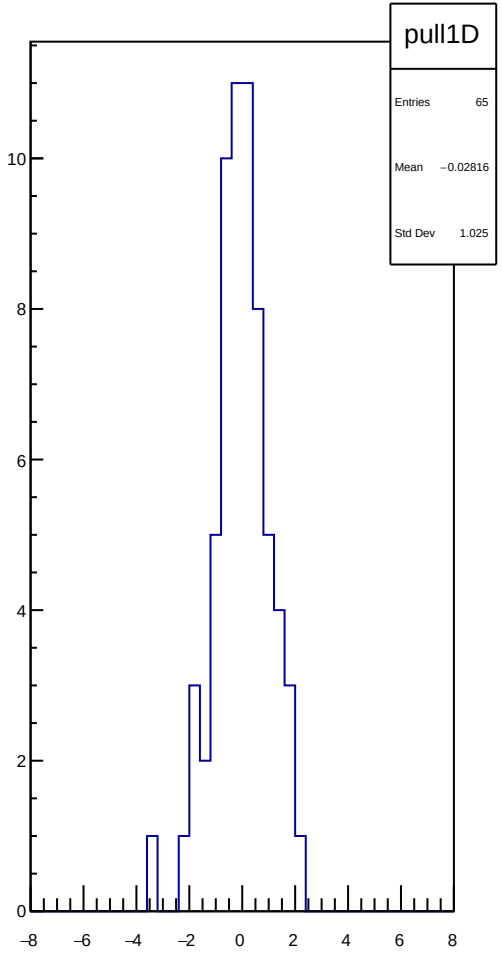

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4.234e+04 / 64
p0 79.78 ± 0.07071
240
220
200
180
160
140
120
100
80
60

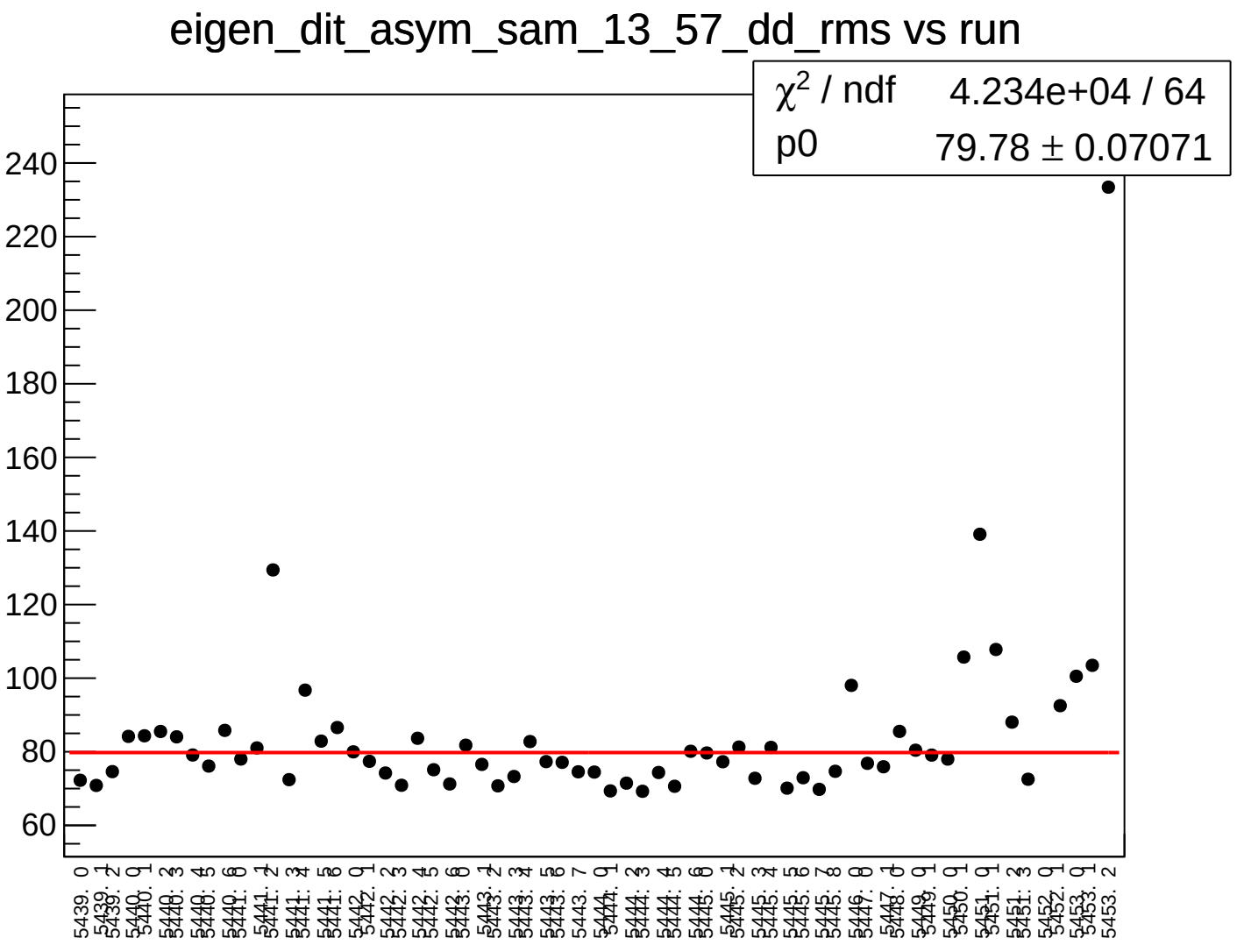

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 67.77 / 64
p0 −774.9 ± 589.3
pull
Entries 65
Mean −332.3
Std Dev 0

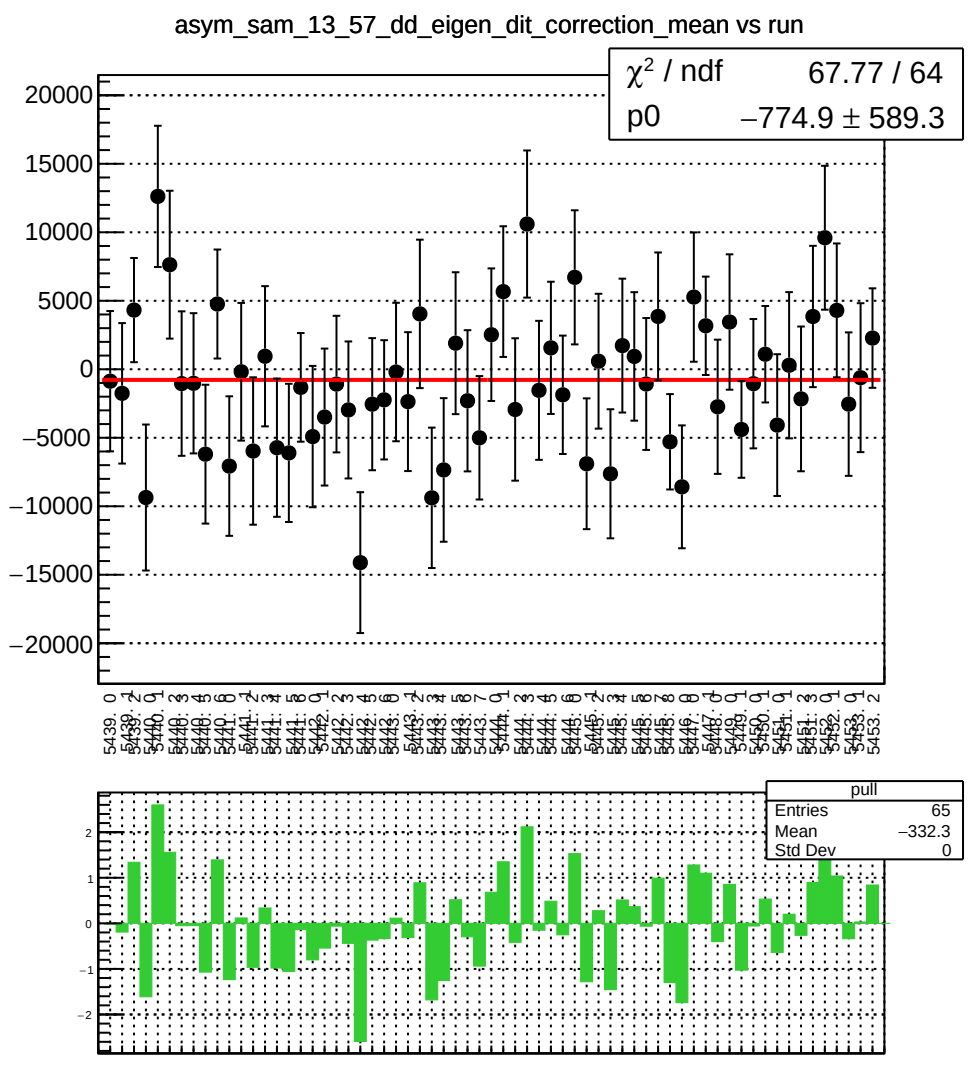

pull1D
Entries 65
Mean −0.006838
Std Dev 1.021

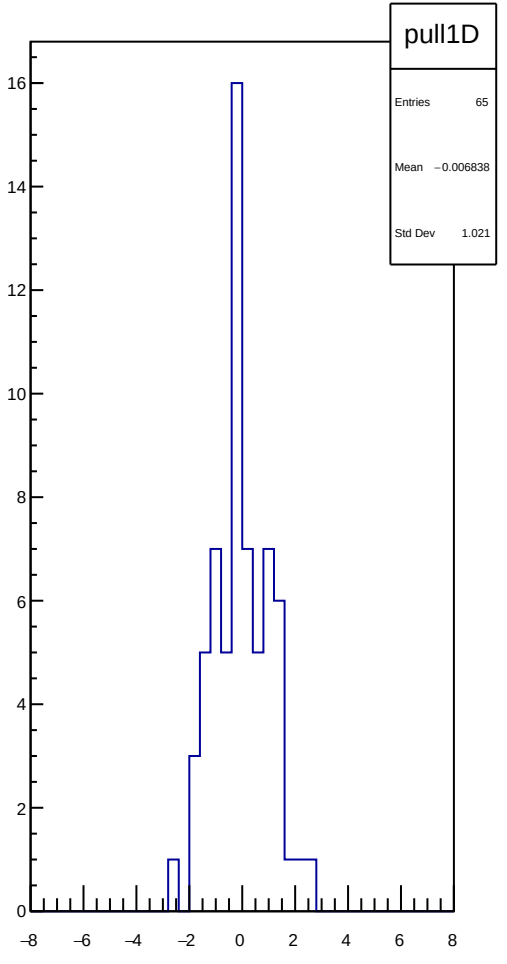

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 2870 / 64
p0 477.4 ± 0.4167
520
500
480
460
440

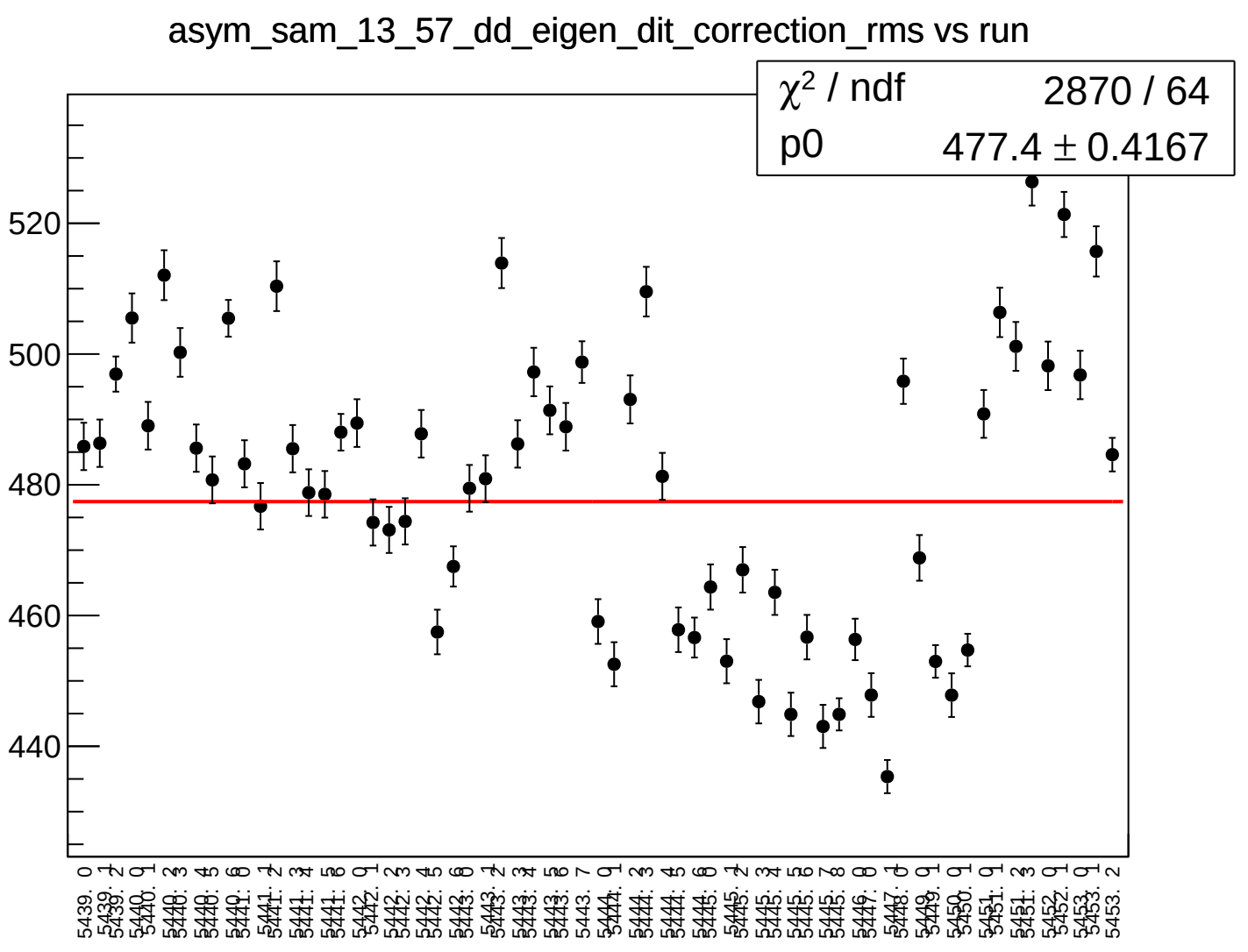

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 68.28 / 64
p0 268.2 ± 100
pull
Entries 65
Mean 51.56
Std Dev 46.94

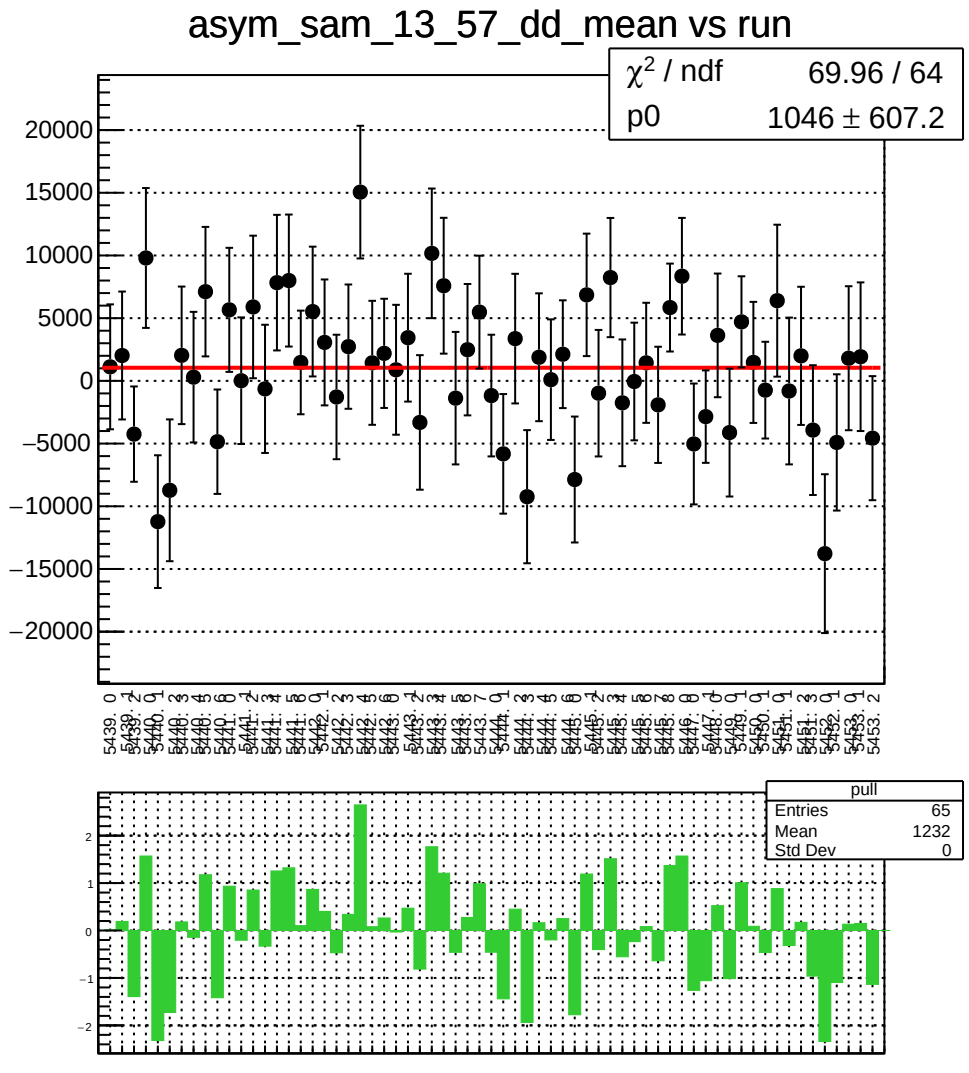

pull1D
Entries 65
Mean −0.02816
Std Dev 1.025

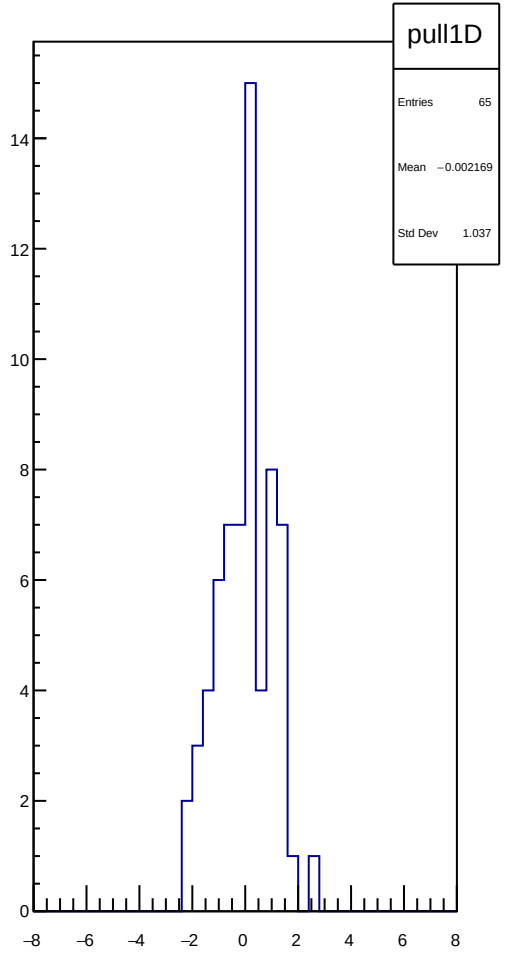

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4.234e+04 / 64
p0 79.78 ± 0.07071
240
220
200
180
160
140
120
100
80
60

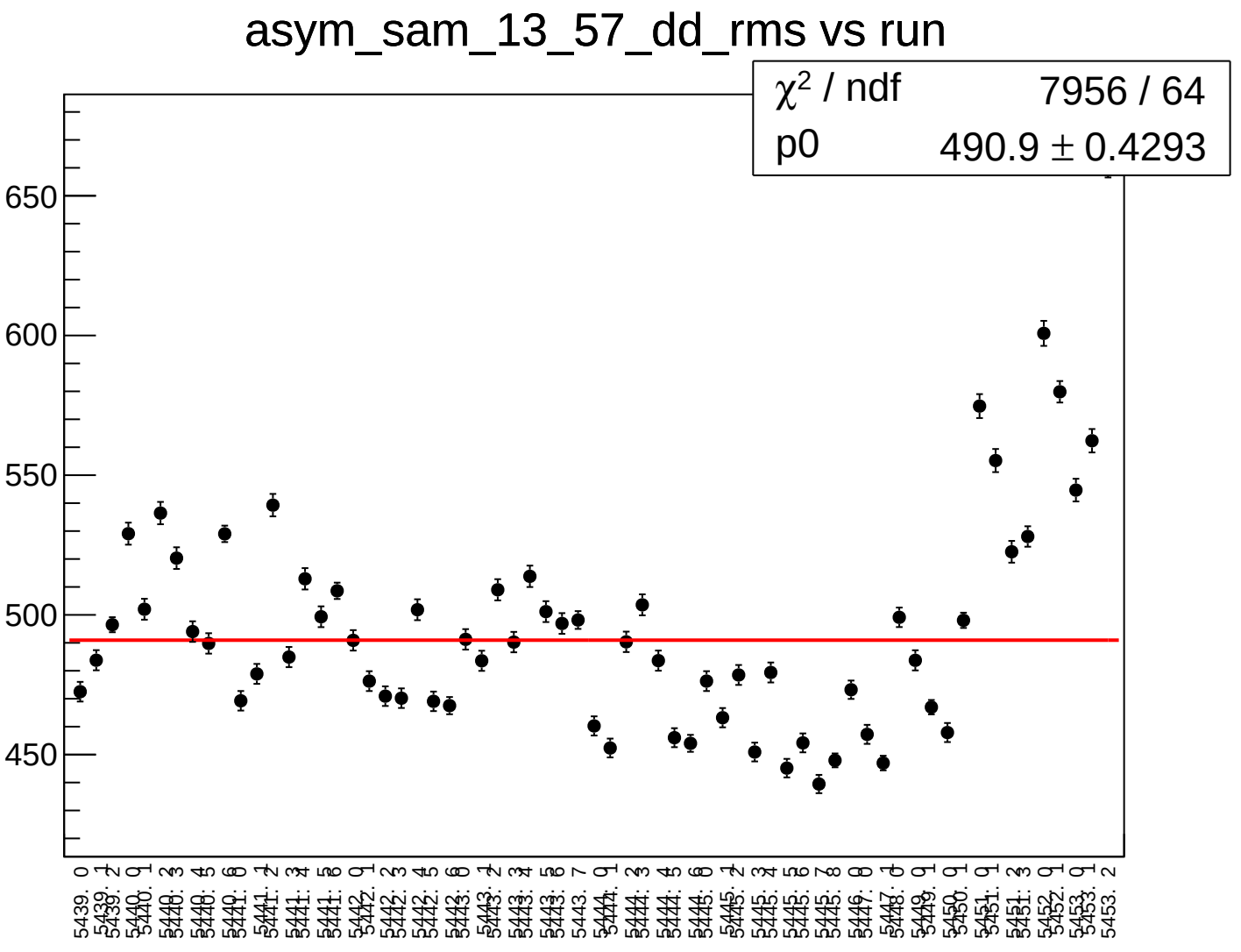

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.77 / 64
p0 −774.9 ± 589.3
pull
Entries 65
Mean −332.3
Std Dev 0

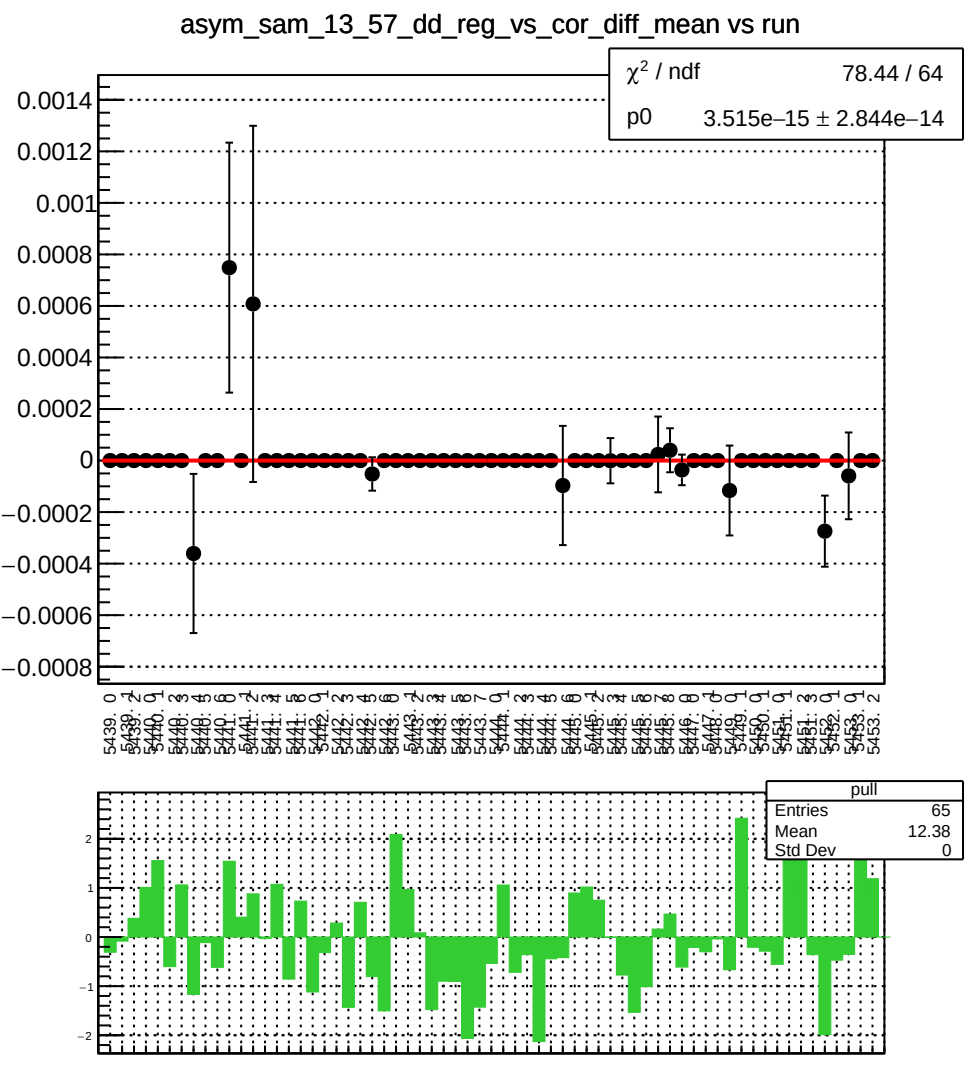

pull1D
Entries 65
Mean −0.006838
Std Dev 1.021

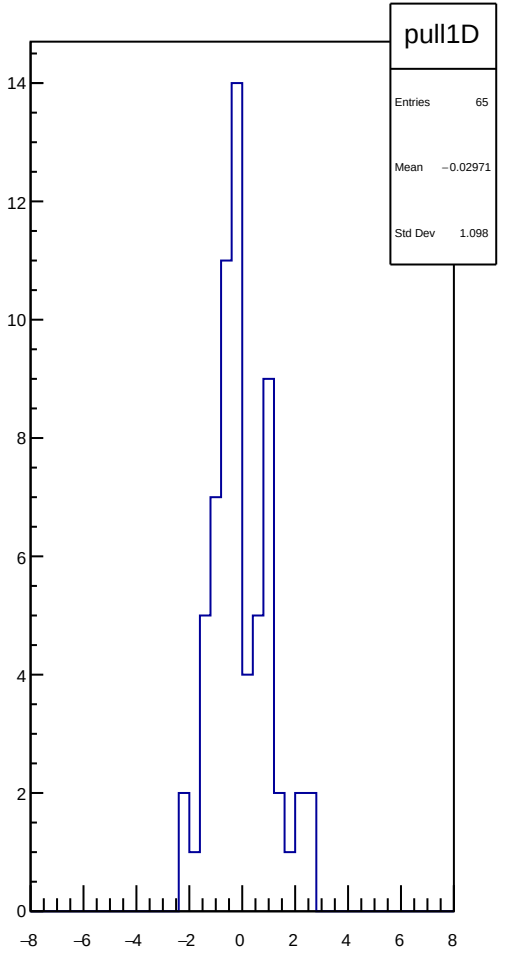

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2870 / 64
p0 477.4 ± 0.4167
520
500
480
460
440

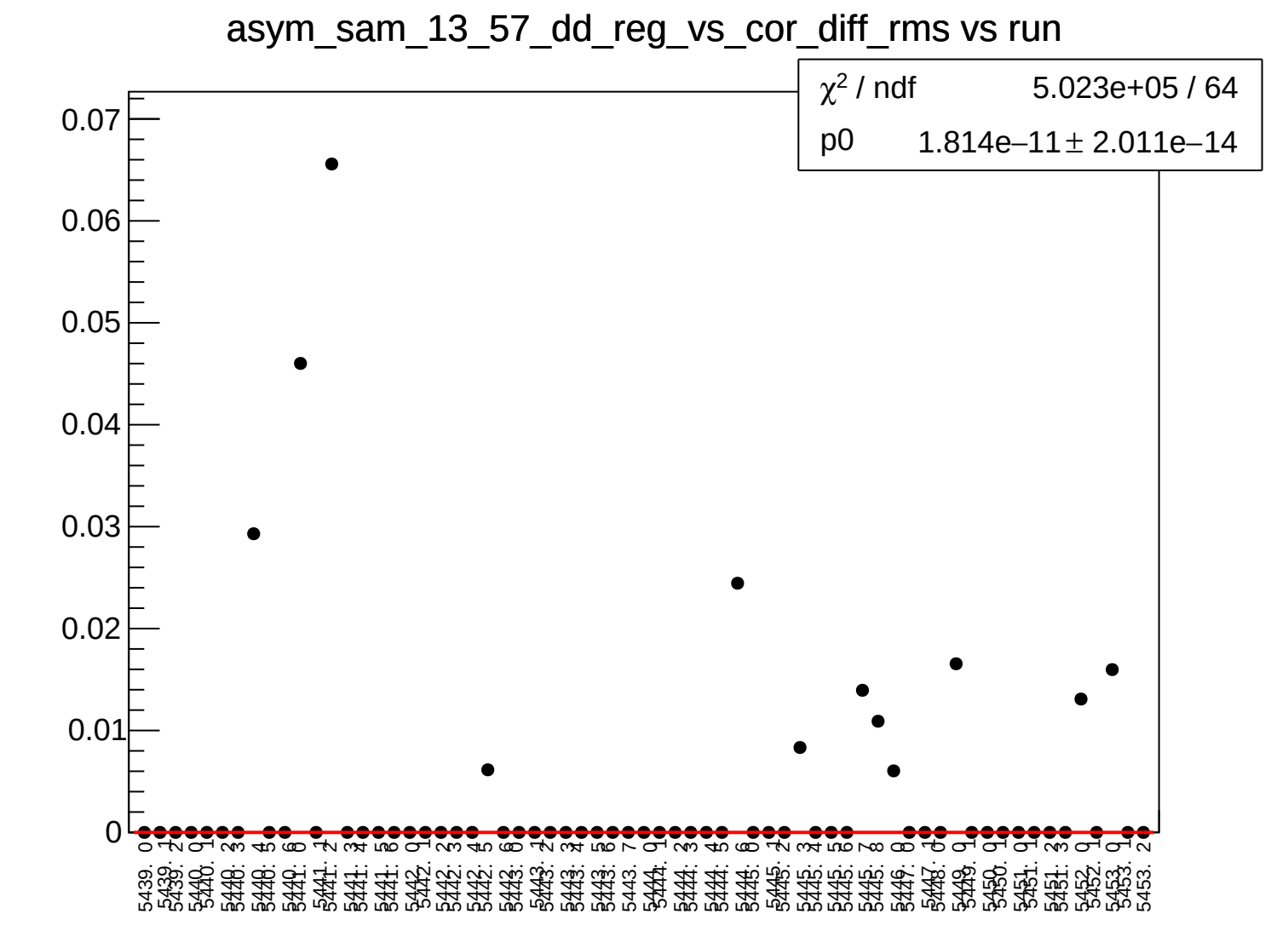

asym_sam_13_57_dd_mean vs run
χ² / ndf 69.96 / 64
p0 1046 ± 607.2
pull
Entries 65
Mean 1232
Std Dev 0

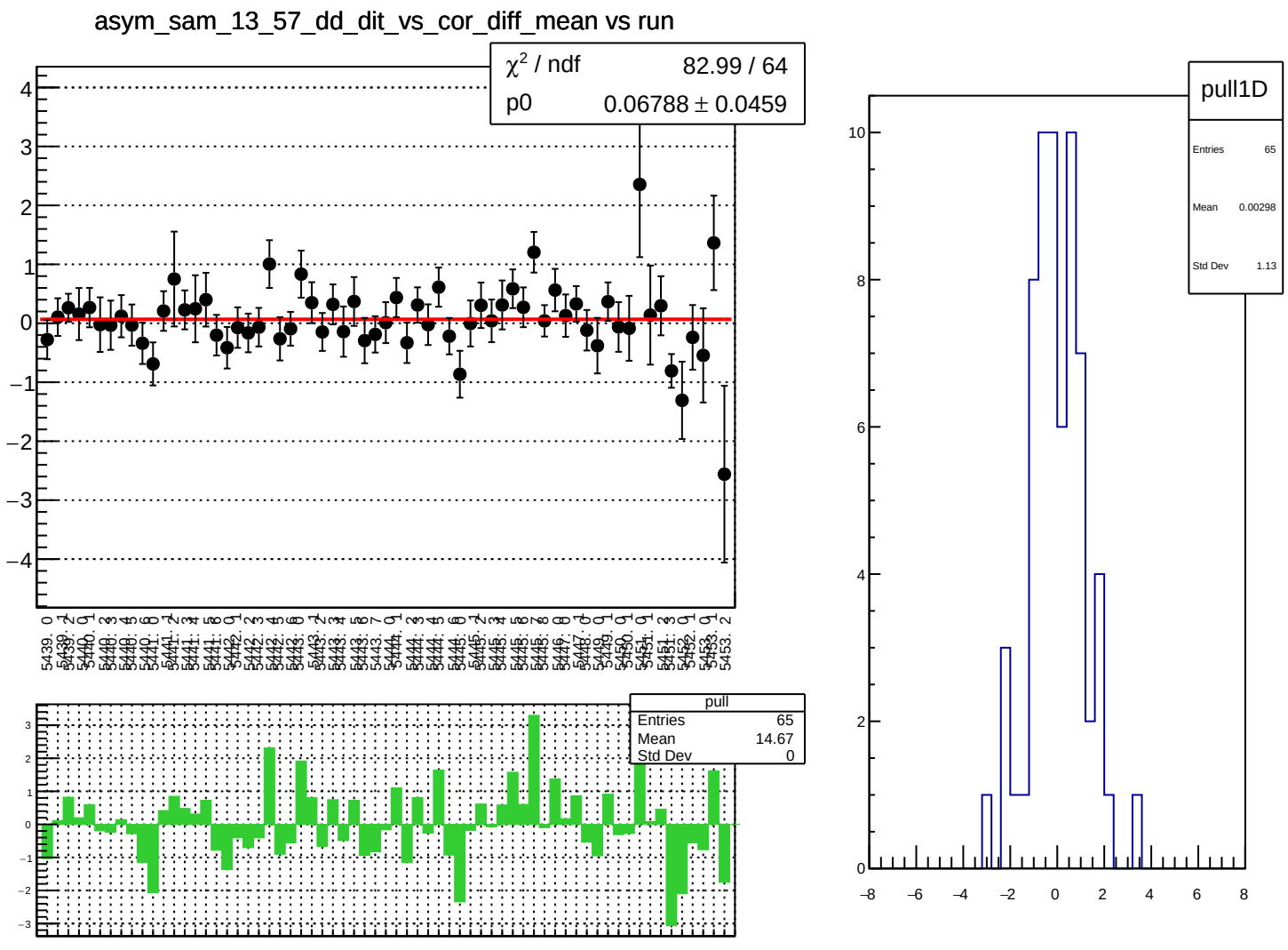

pull1D
Entries 65
Mean −0.002169
Std Dev 1.037

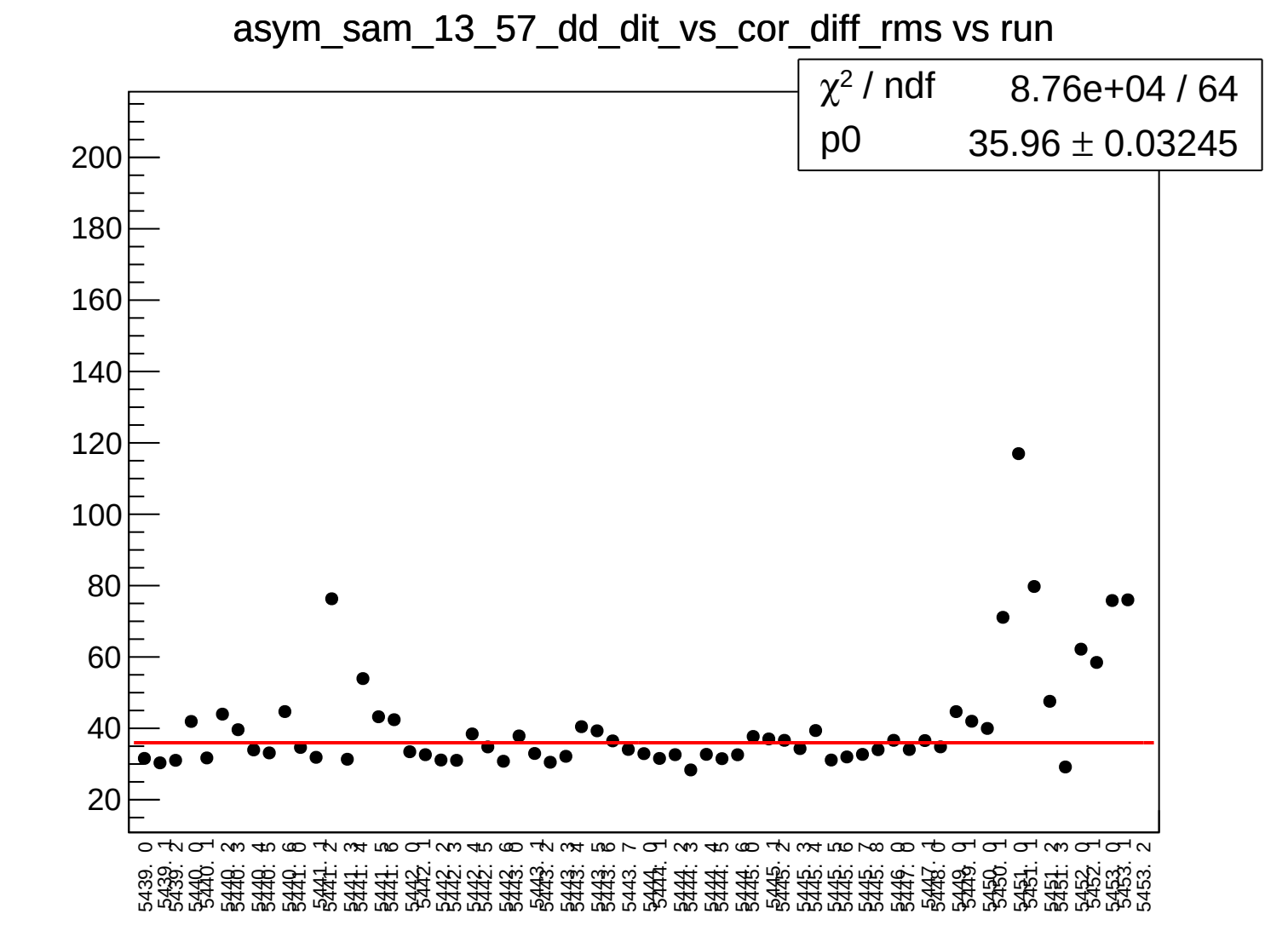

asym_sam_13_57_dd_rms vs run
χ² / ndf 7956 / 64
p0 490.9 ± 0.4293
650
600
550
500
450
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

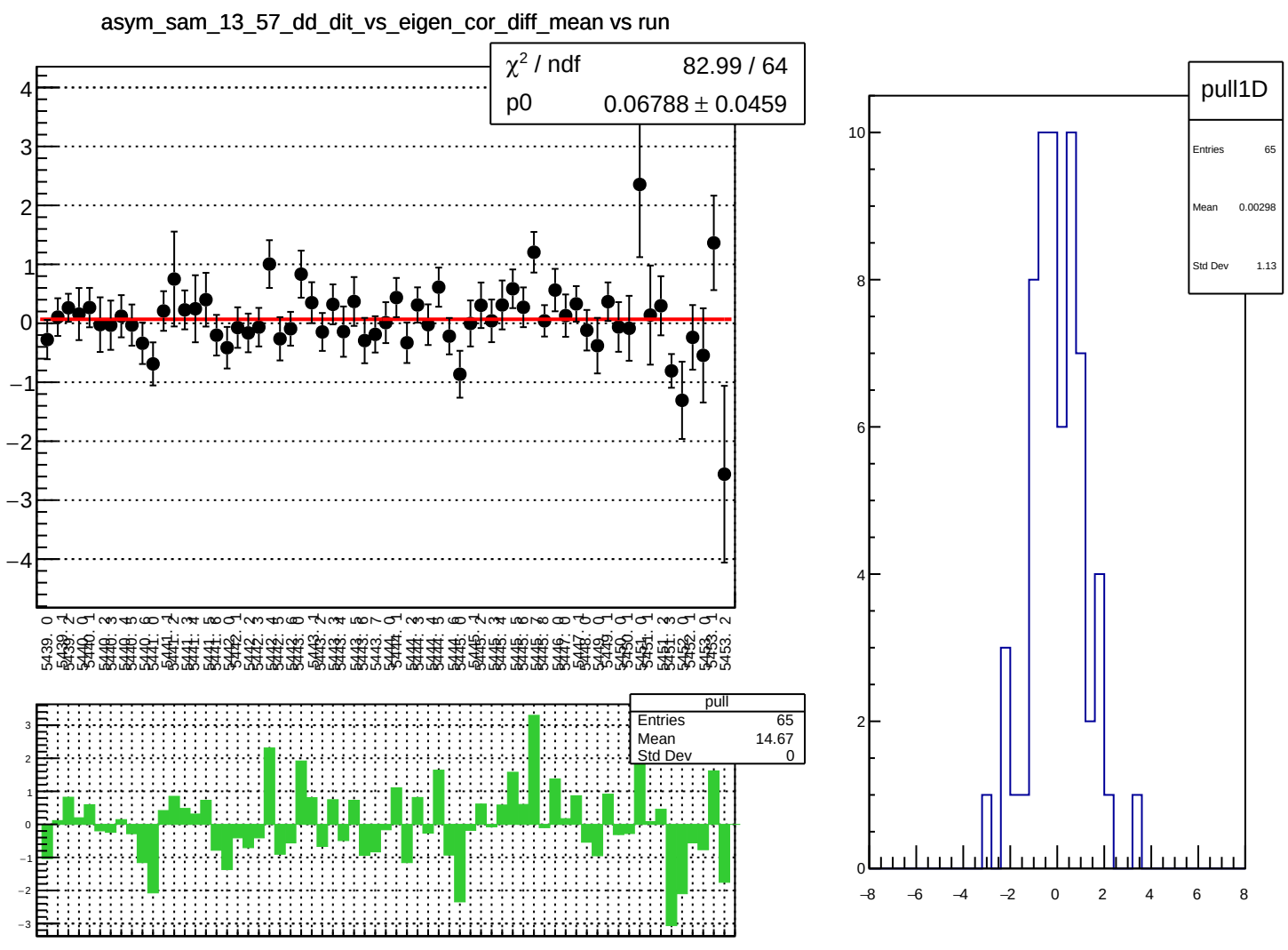

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 78.44 / 64
p0 3.515e−15 ± 2.844e−14
pull
Entries 65
Mean 12.38
Std Dev 0

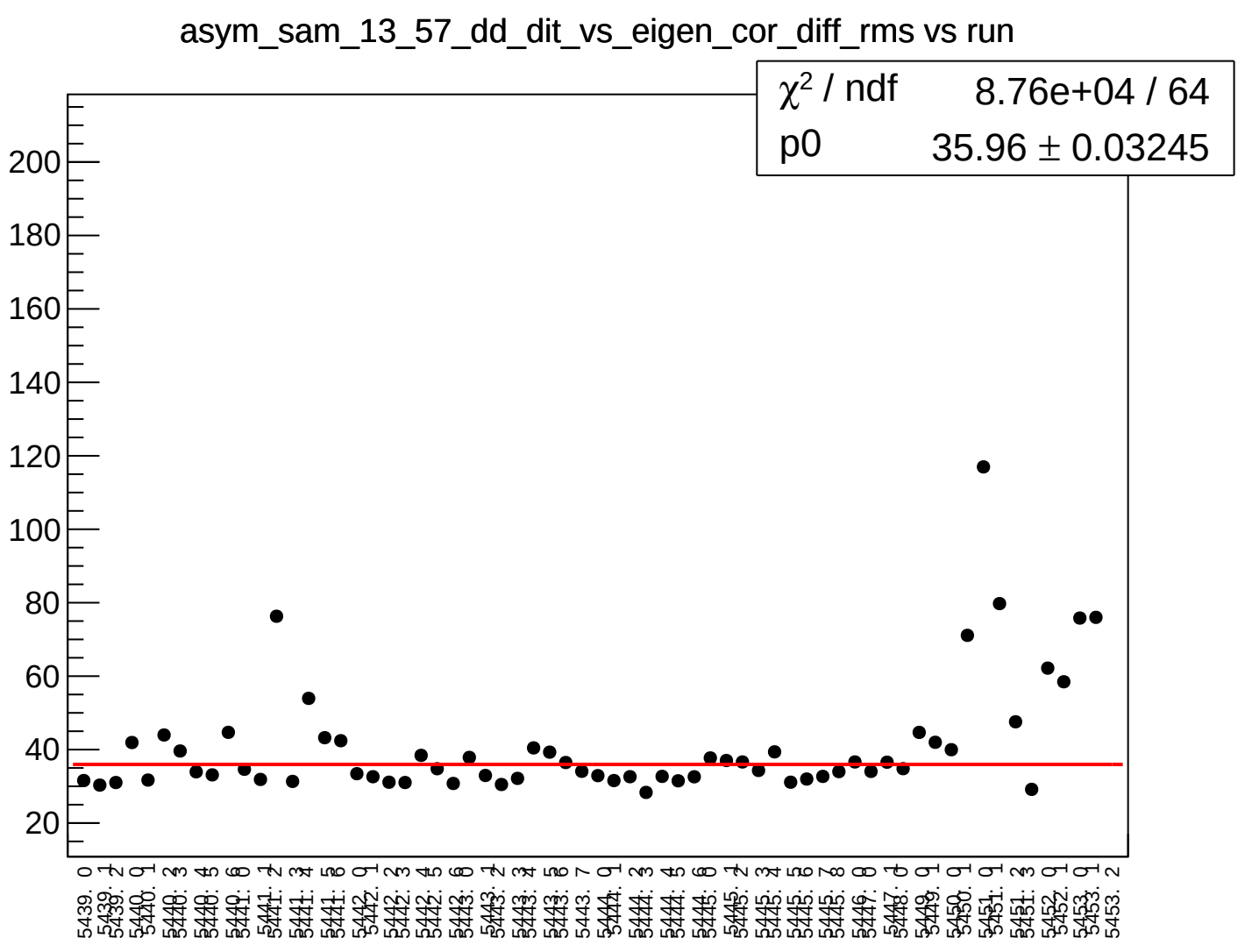

pull1D
Entries 65
Mean −0.02971
Std Dev 1.098

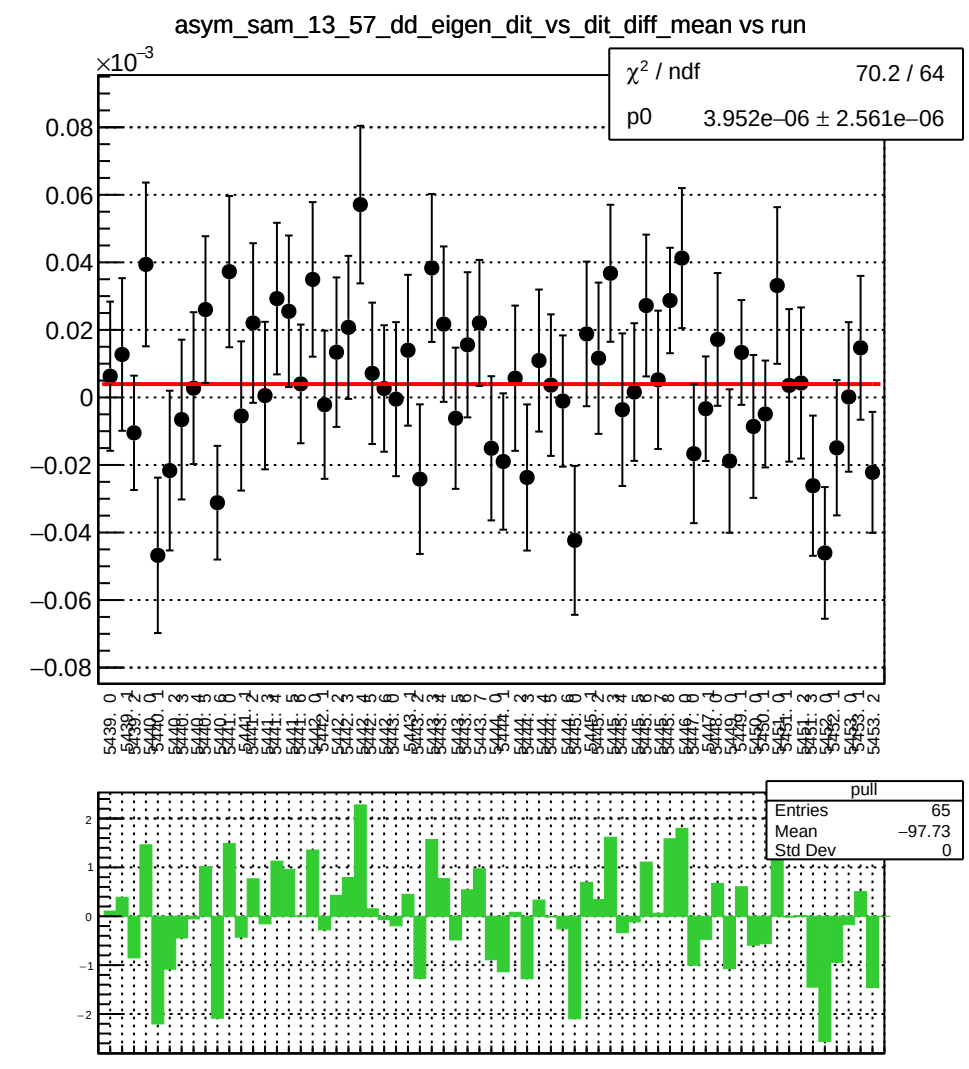

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.023e+05 / 64
p0 1.814e−11 ± 2.011e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

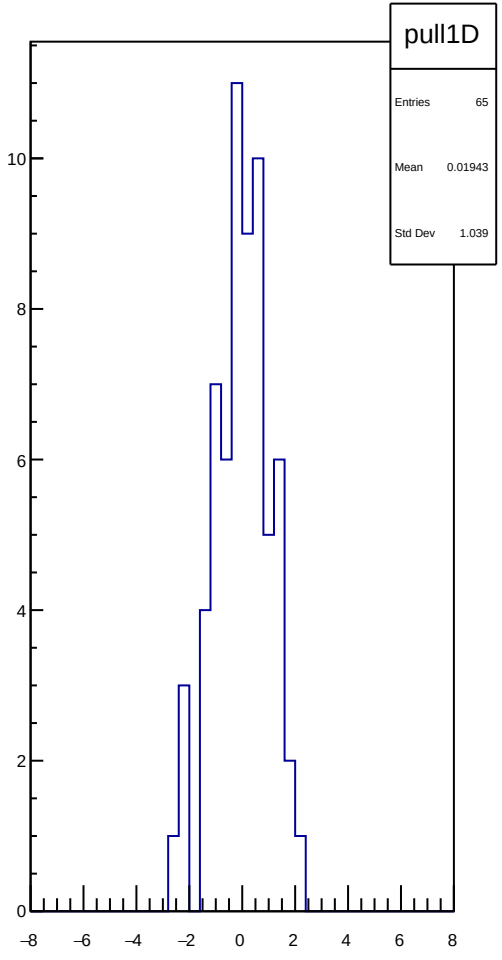

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.99 / 64
p0 0.06788 ± 0.0459
pull
Entries 65
Mean 14.67
Std Dev 0
pull1D
Entries 65
Mean 0.00298
Std Dev 1.13

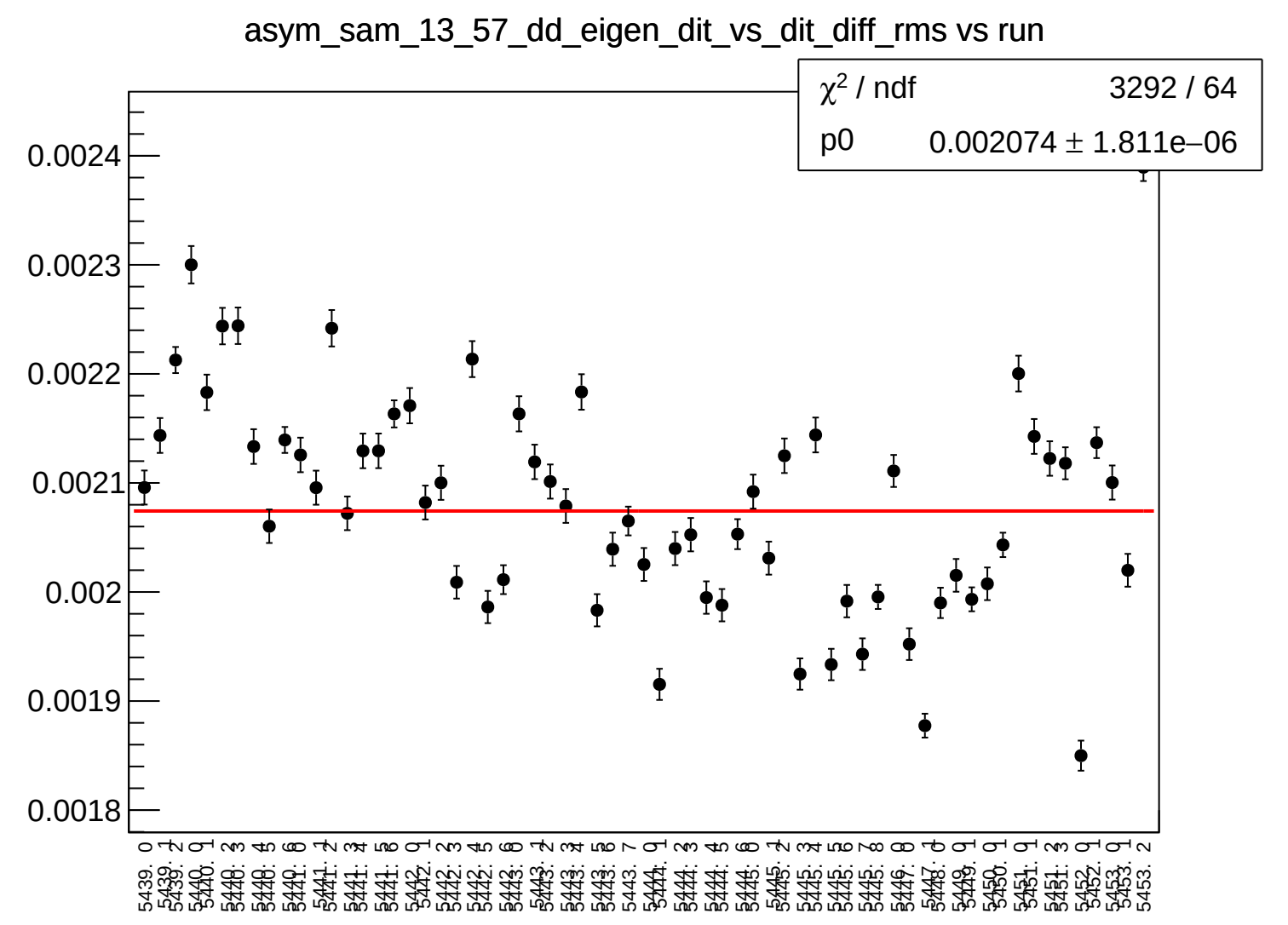

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.76e+04 / 64
p0 35.96 ± 0.03245
200
180
160
140
120
100
80
60
40
20

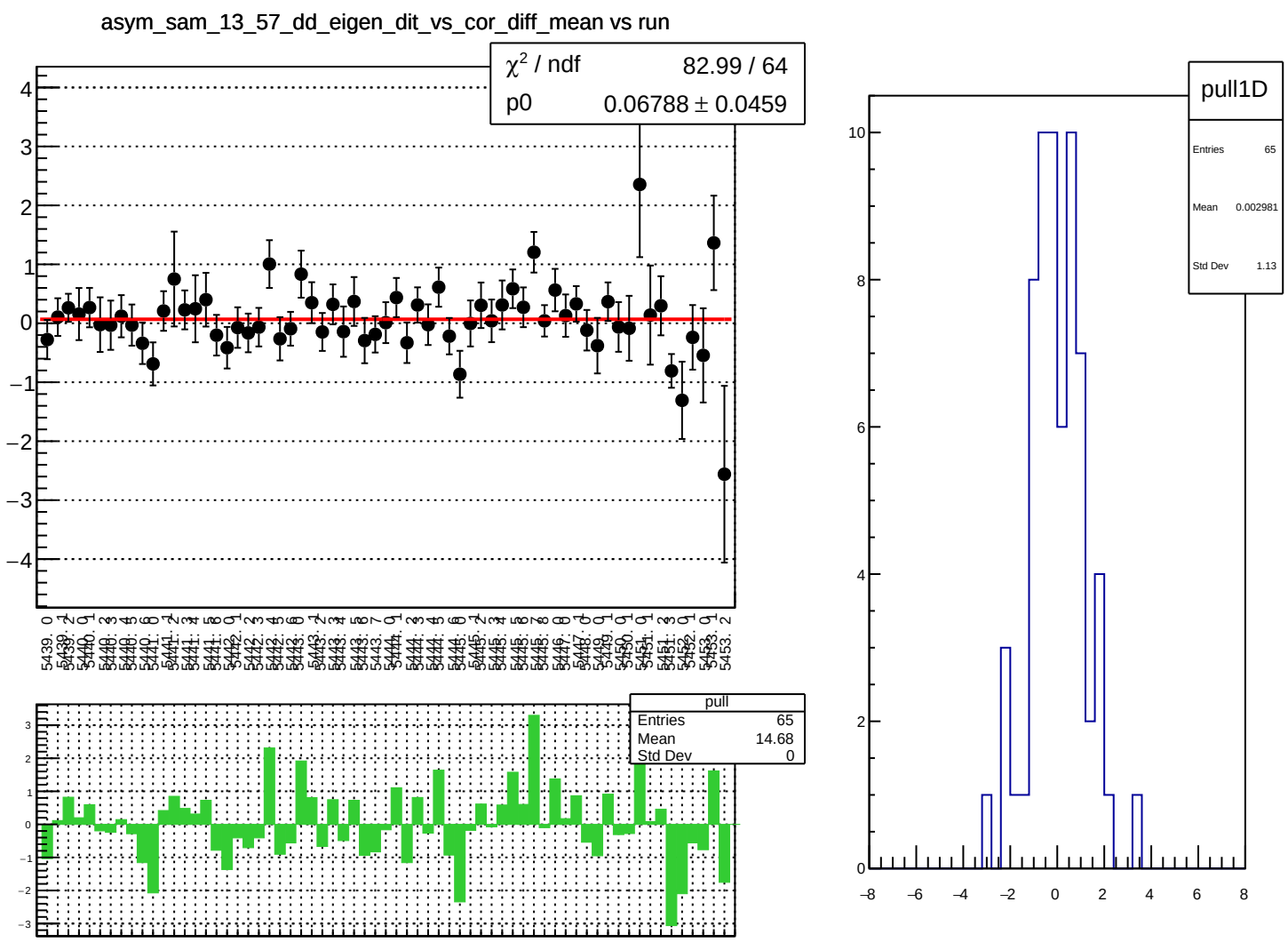

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.99 / 64
p0 0.06788 ± 0.0459
pull
Entries 65
Mean 14.67
Std Dev 0
pull1D
Entries 65
Mean 0.00298
Std Dev 1.13

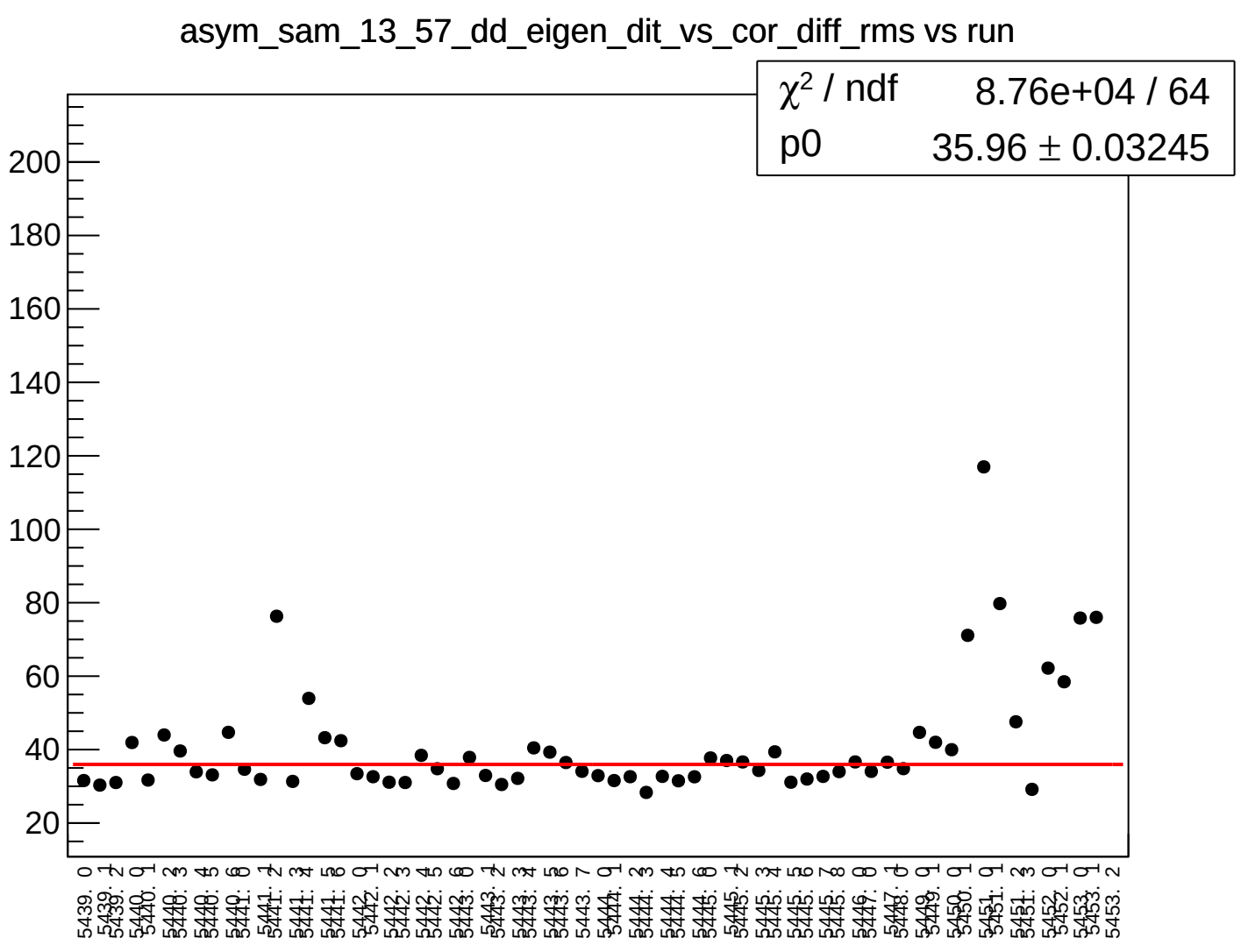

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.76e+04 / 64
p0 35.96 ± 0.03245
200
180
160
140
120
100
80
60
40
20

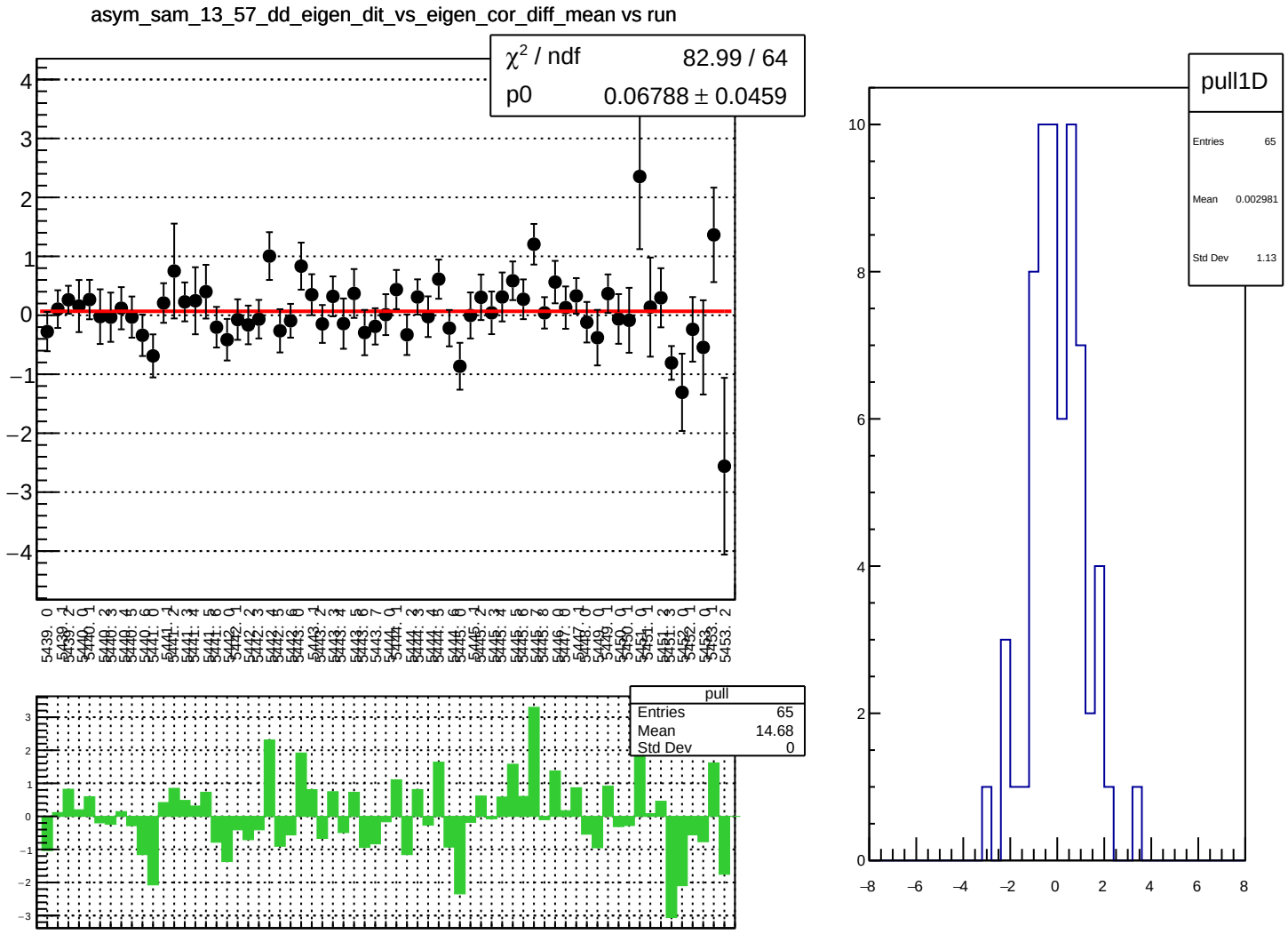

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.2 / 64
p0 3.952e−06 ± 2.561e−06
pull
Entries 65
Mean −97.73
Std Dev 0

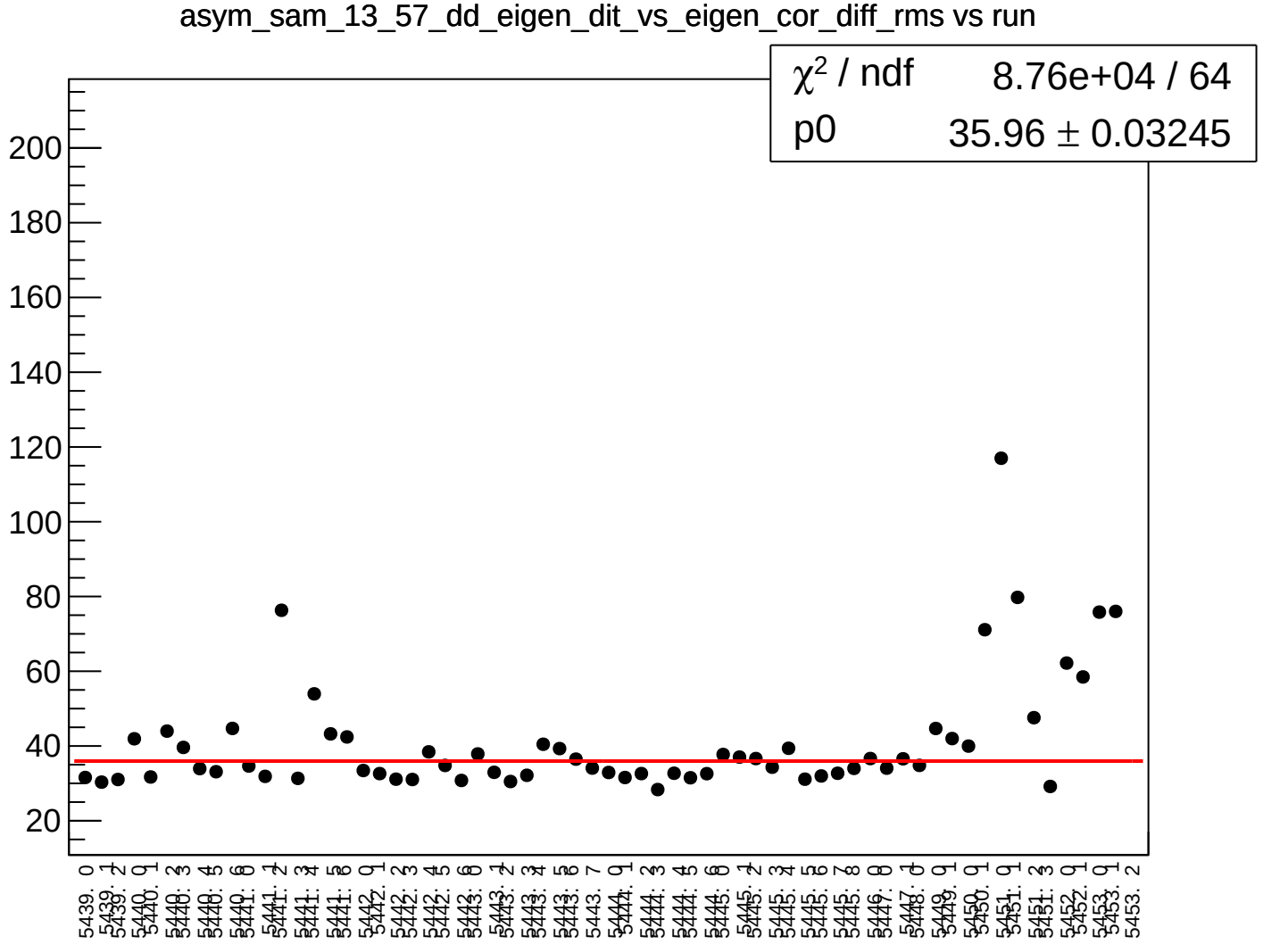

pull1D
Entries 65
Mean 0.01943
Std Dev 1.039

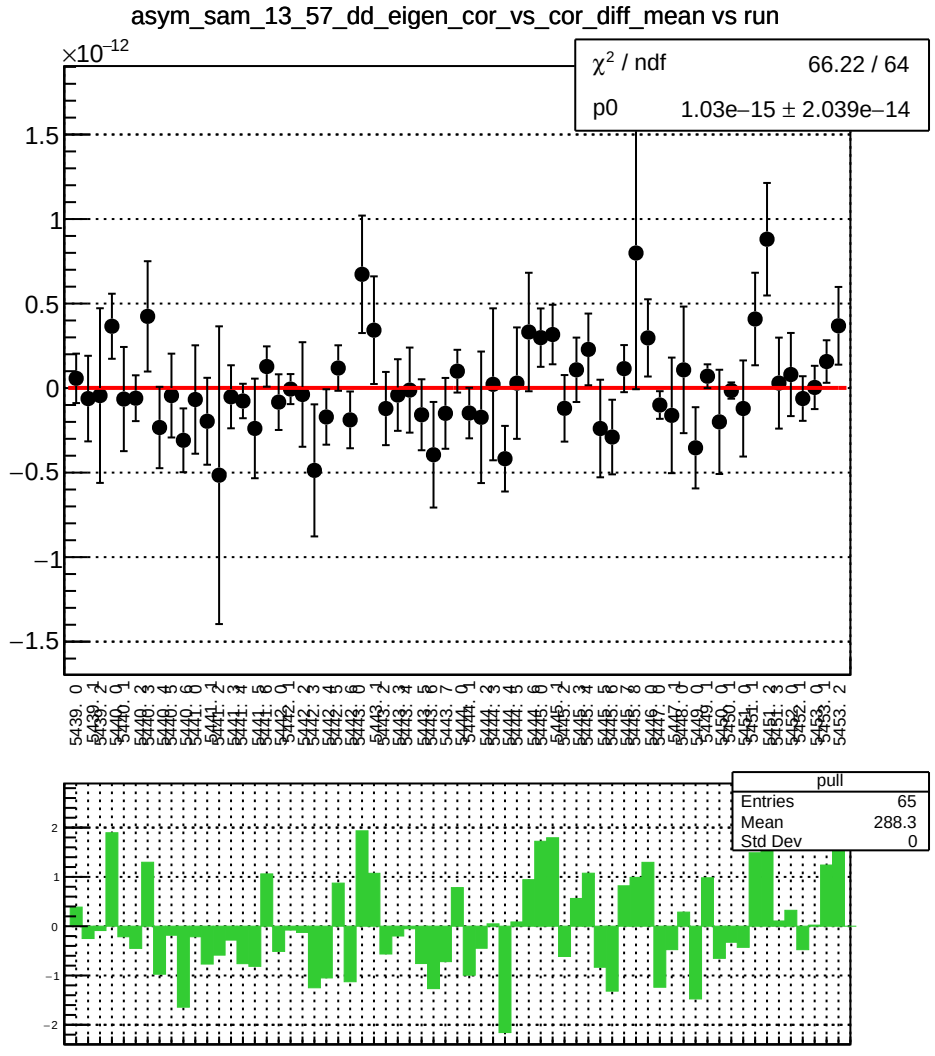

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3292 / 64
p0 0.002074 ± 1.811e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

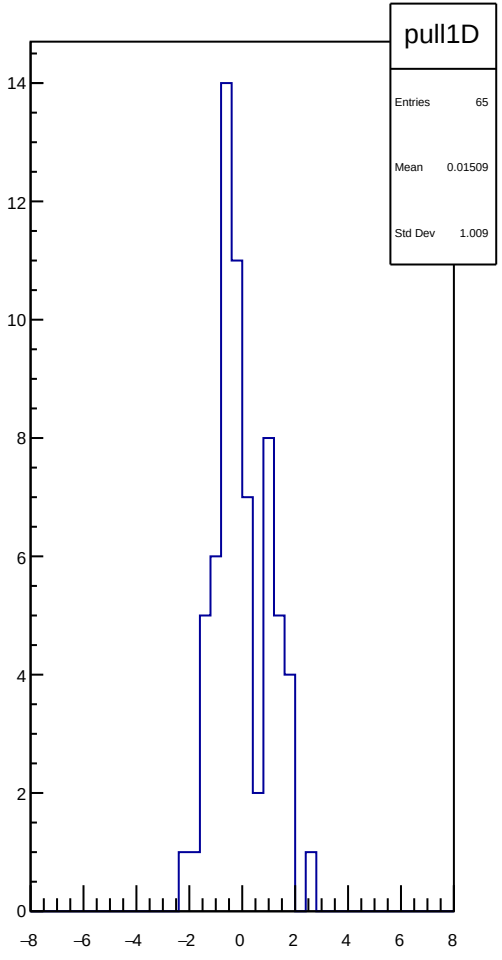

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.99 / 64
p0 0.06788 ± 0.0459
pull
Entries 65
Mean 14.68
Std Dev 0
pull1D
Entries 65
Mean 0.002981
Std Dev 1.13

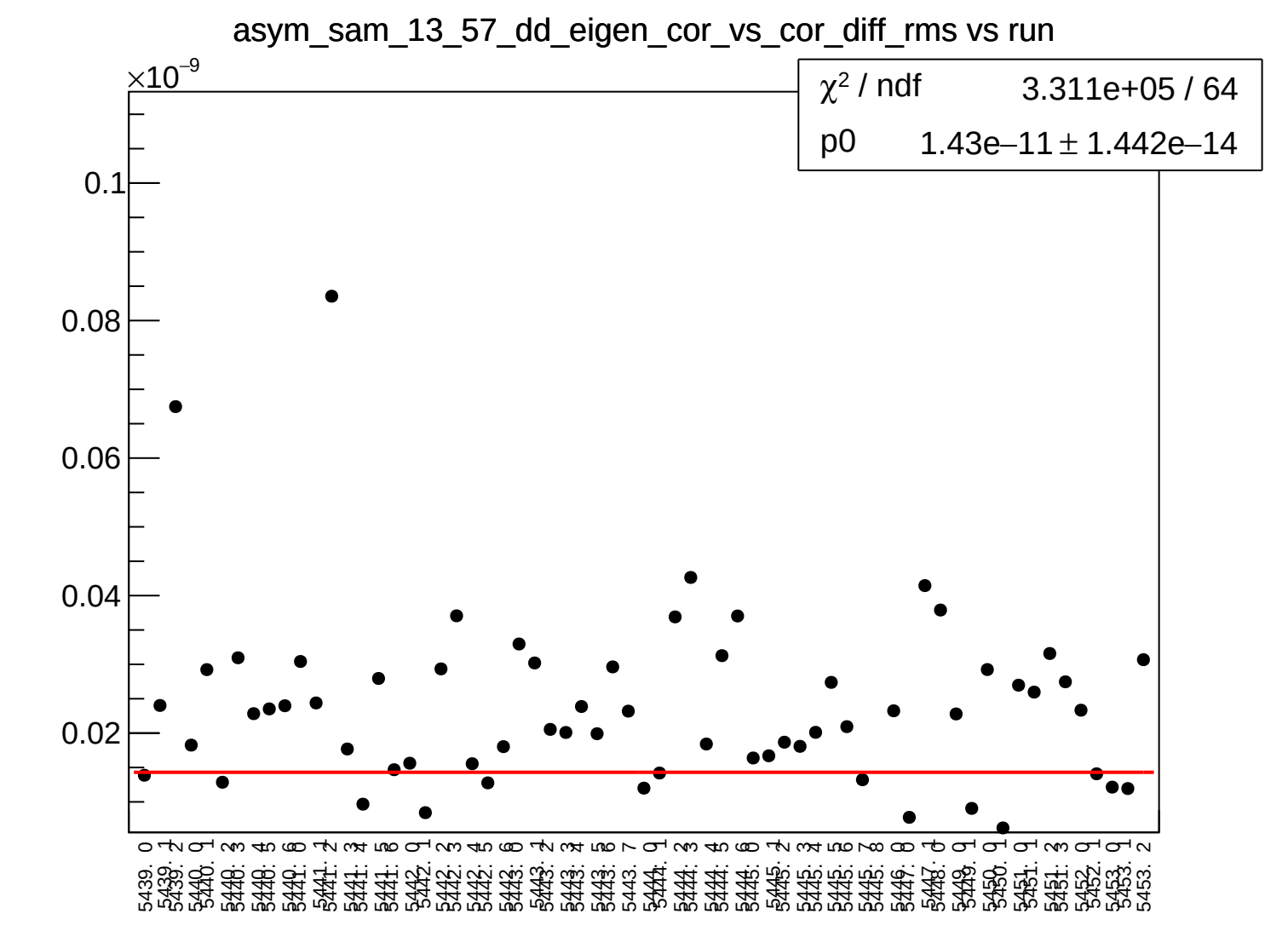

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.76e+04 / 64
p0 35.96 ± 0.03245
200
180
160
140
120
100
80
60
40
20

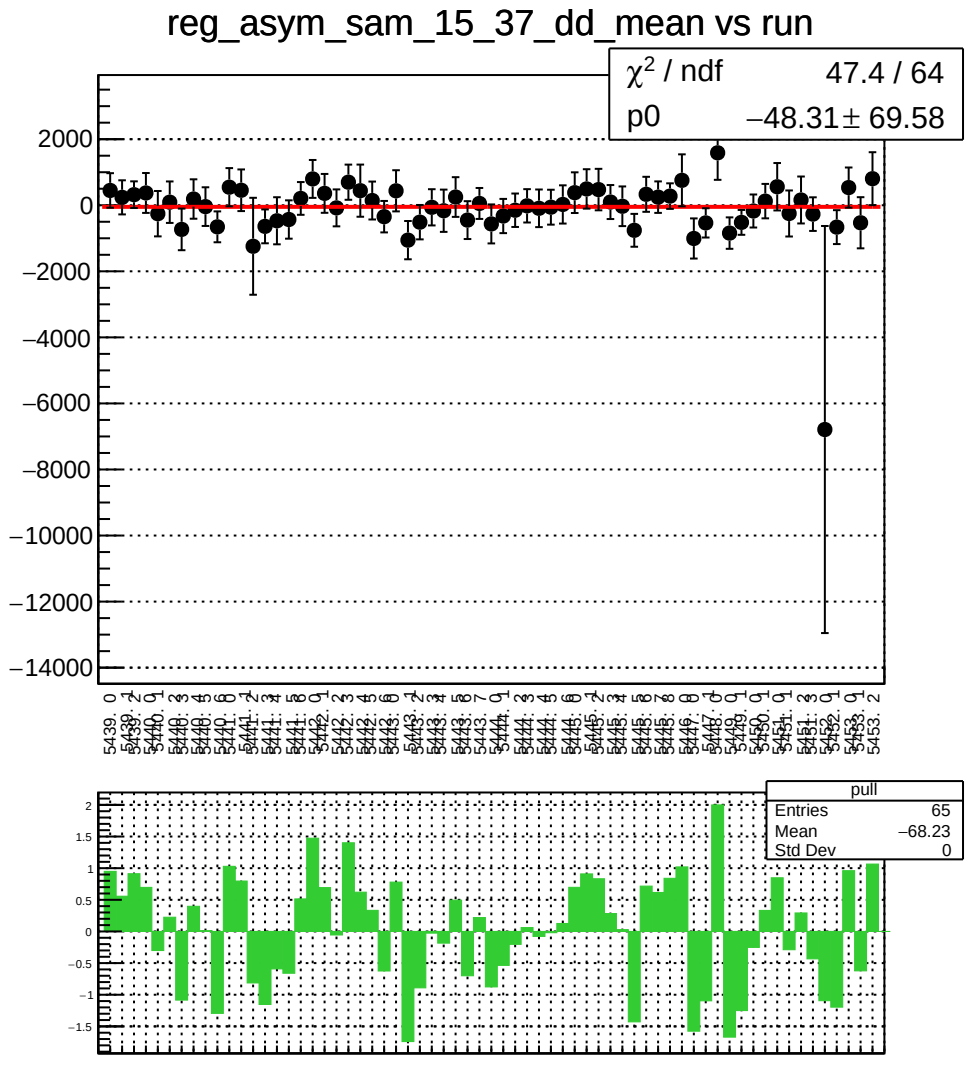

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.99 / 64
p0 0.06788 ± 0.0459
pull
Entries 65
Mean 14.68
Std Dev 0
pull1D
Entries 65
Mean 0.002981
Std Dev 1.13

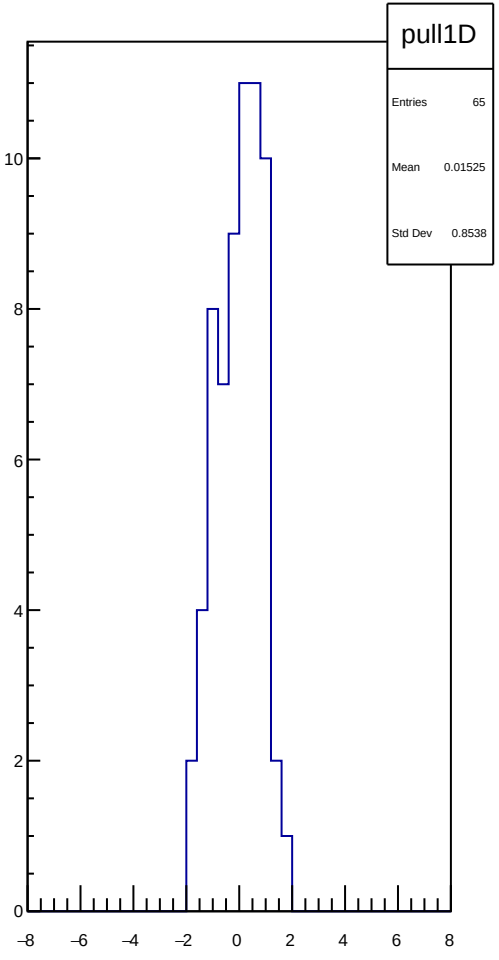

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.76e+04 / 64
p0 35.96 ± 0.03245
200
180
160
140
120
100
80
60
40
20

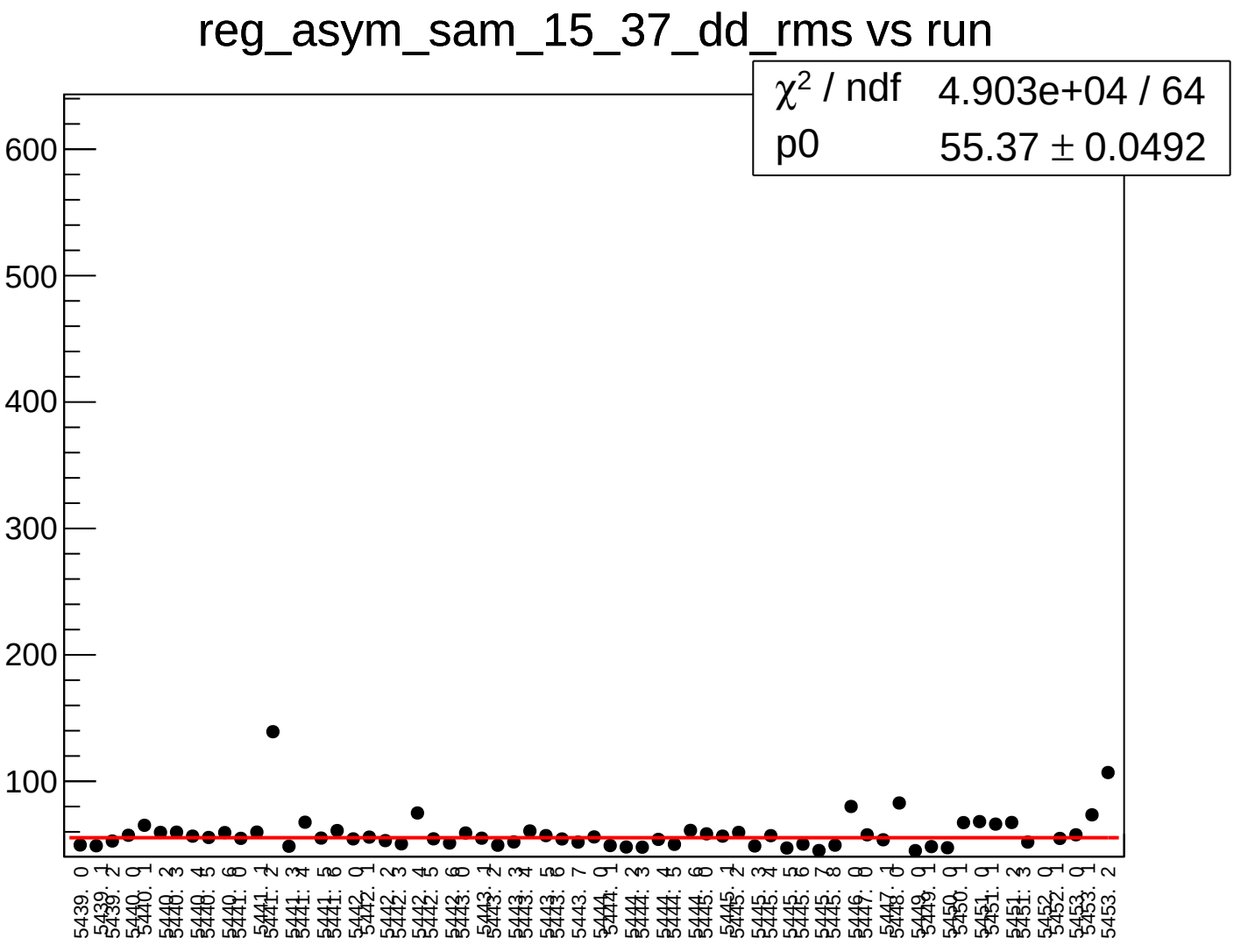

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.22 / 64
p0 1.03e−15 ± 2.039e−14
pull
Entries 65
Mean 288.3
Std Dev 0

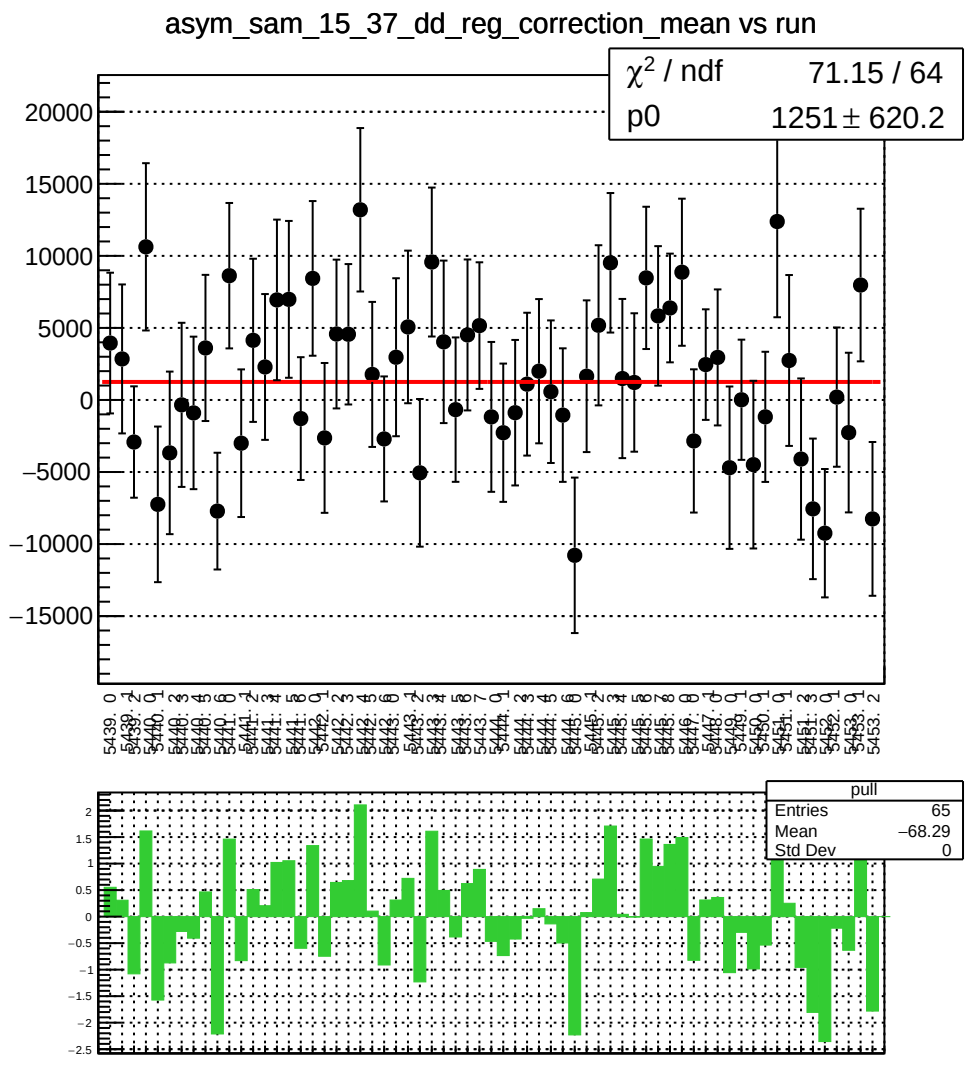

pull1D
Entries 65
Mean 0.01509
Std Dev 1.009

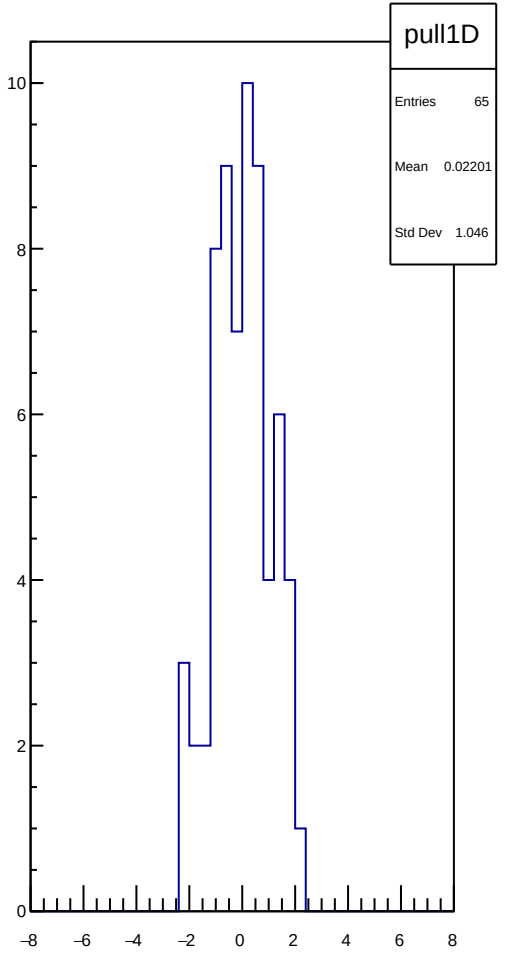

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.311e+05 / 64
p0 1.43e−11 ± 1.442e−14
0.1
0.08
0.06
0.04
0.02

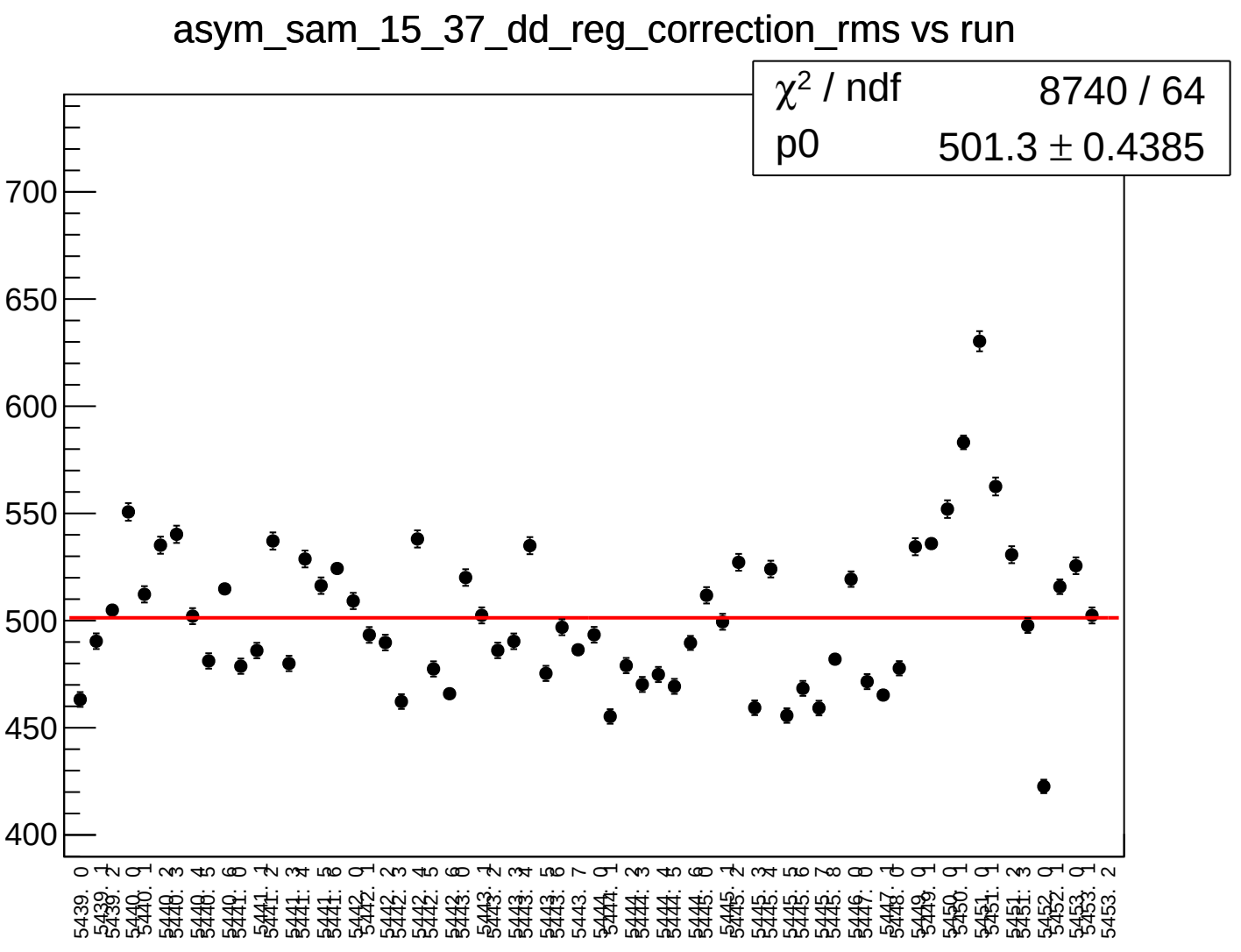

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.4 / 64
p0 −48.31 ± 69.58
pull
Entries 65
Mean −68.23
Std Dev 0

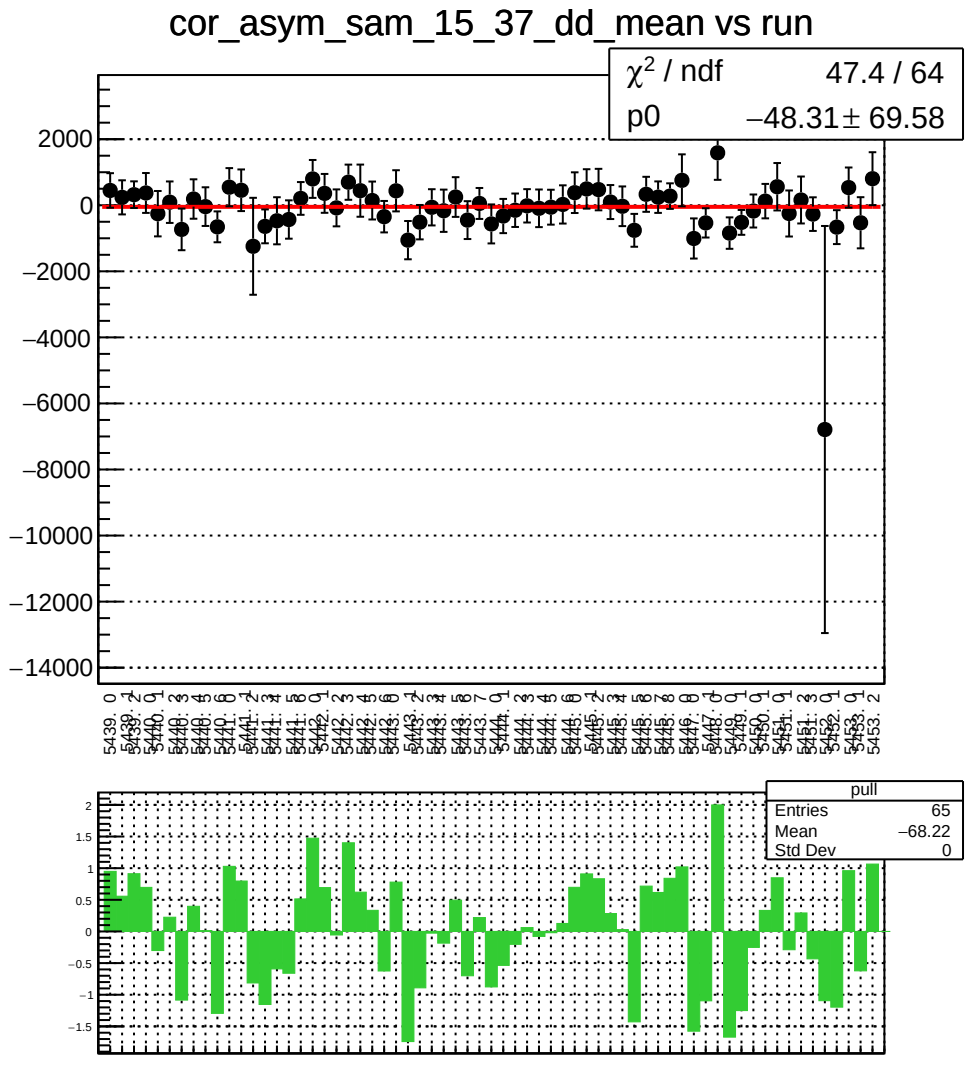

pull1D
Entries 65
Mean 0.01525
Std Dev 0.8538

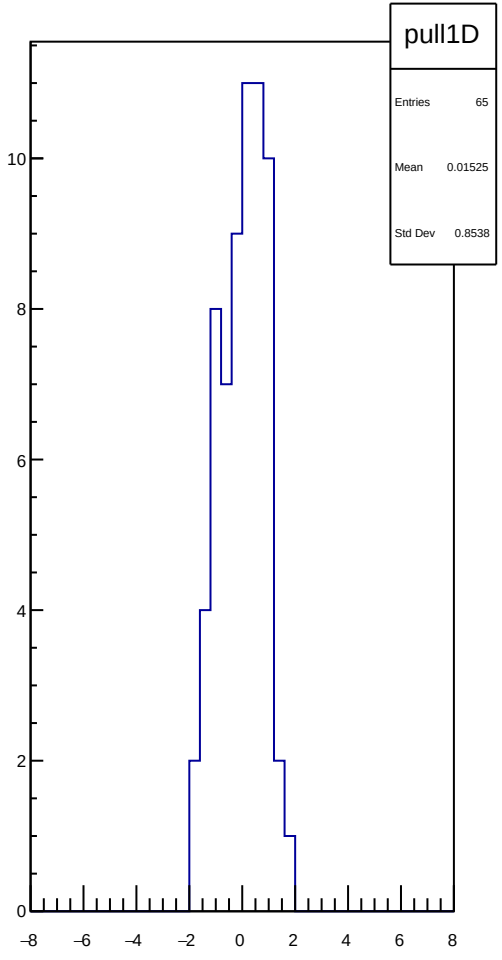

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 4.903e+04 / 64
p0 55.37 ± 0.0492
600
500
400
300
200
100

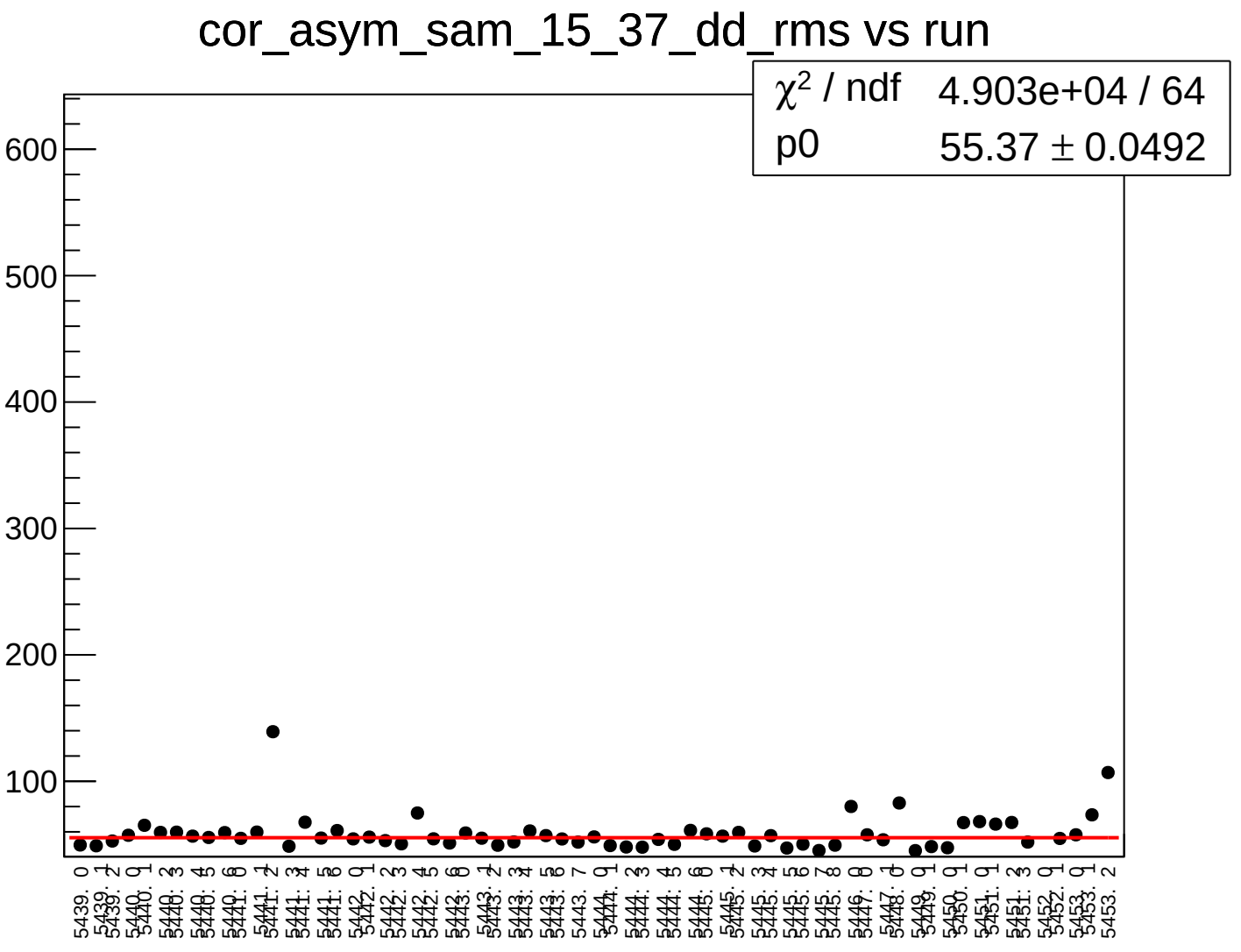

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 71.15 / 64
p0 1251 ± 620.2
pull
Entries 65
Mean −68.29
Std Dev 0

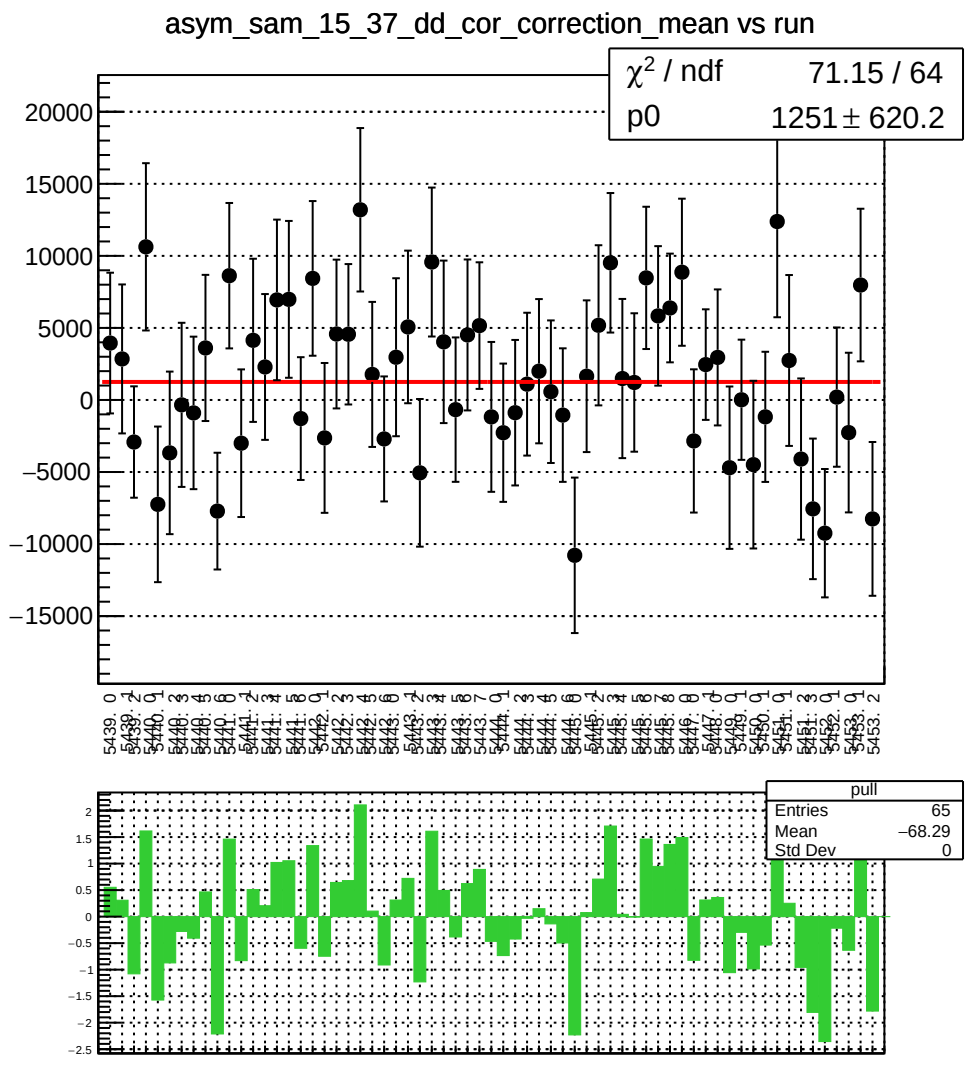

pull1D
Entries 65
Mean 0.02201
Std Dev 1.046

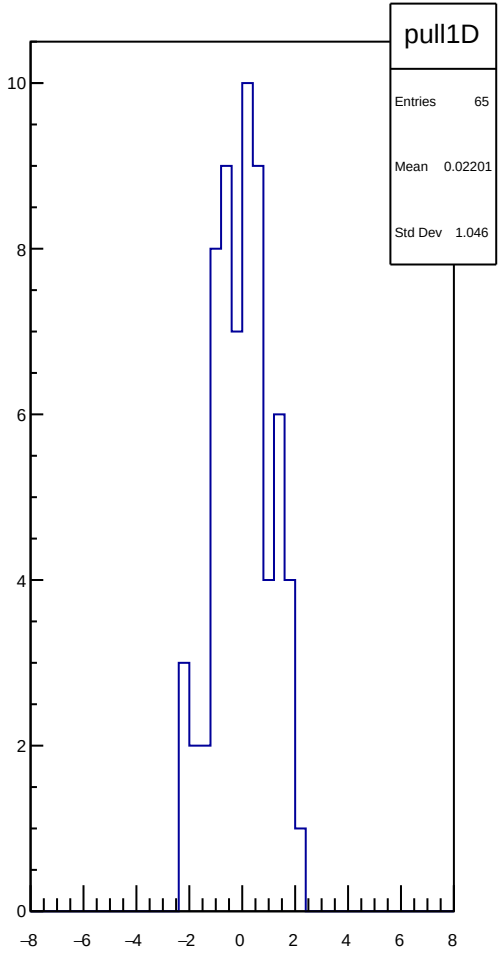

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 8740 / 64
p0 501.3 ± 0.4385
700
650
600
550
500
450
400

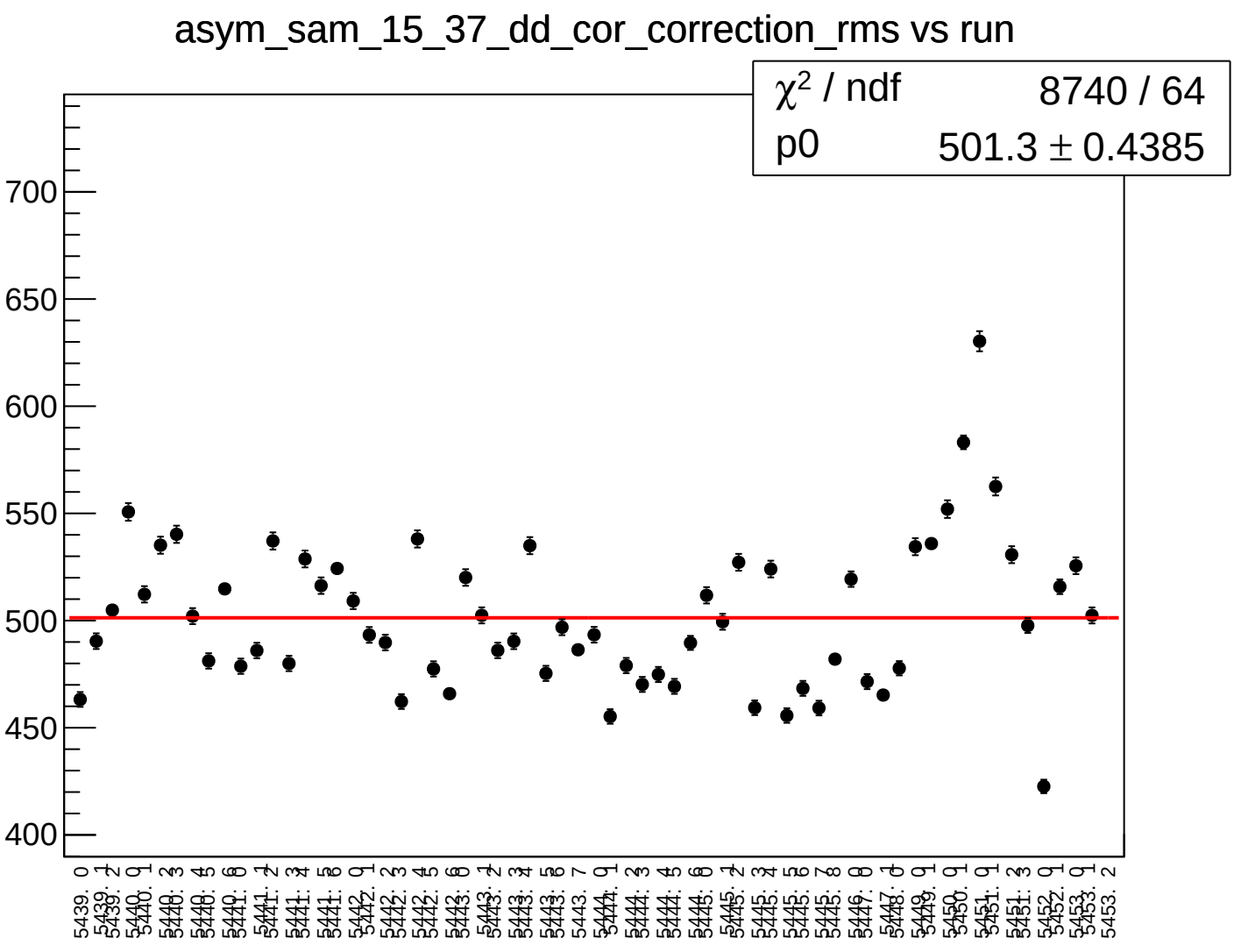

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.4 / 64
p0 −48.31 ± 69.58
pull
Entries 65
Mean −68.22
Std Dev 0

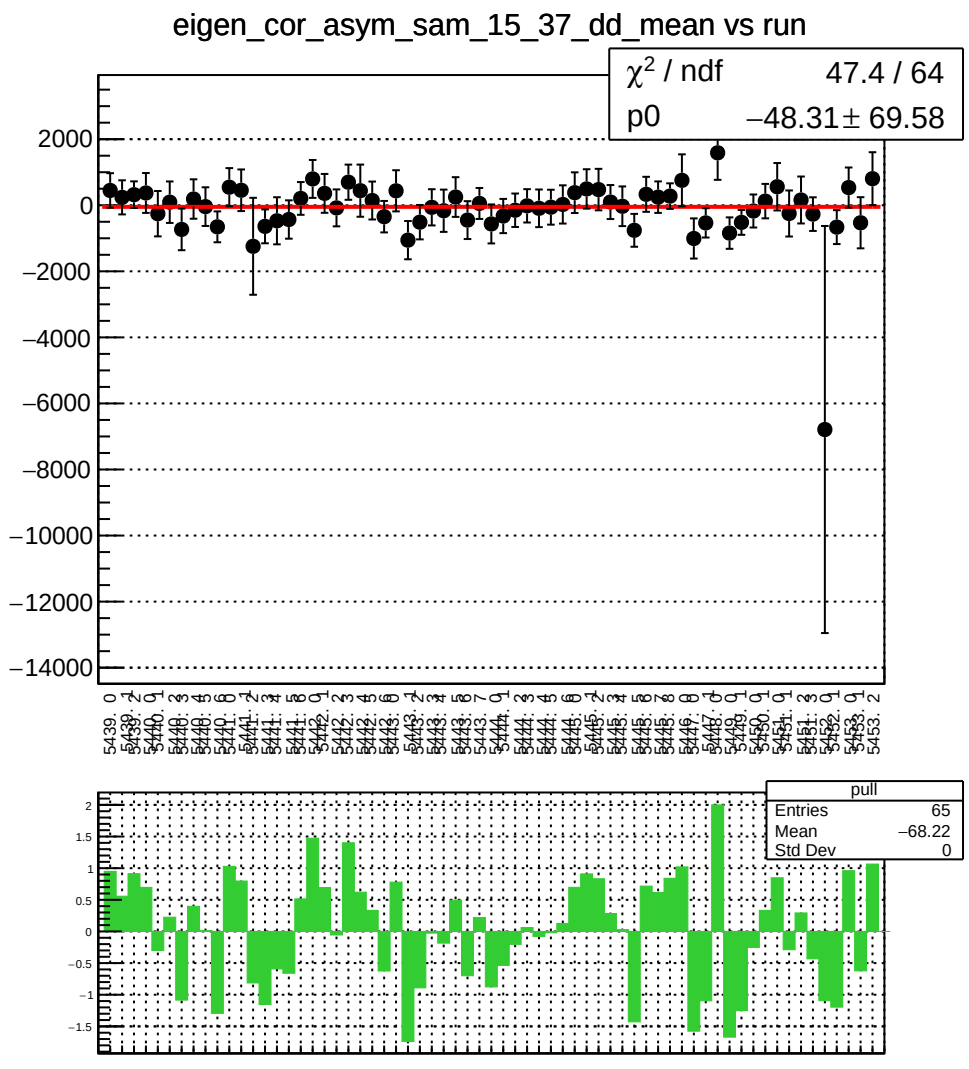

pull1D
Entries 65
Mean 0.01525
Std Dev 0.8538

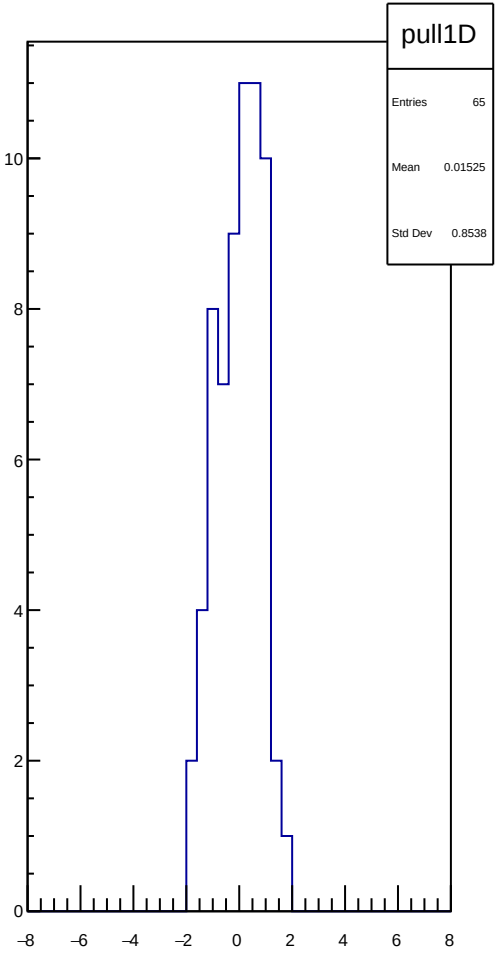

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4.903e+04 / 64
p0 55.37 ± 0.0492
600
500
400
300
200
100

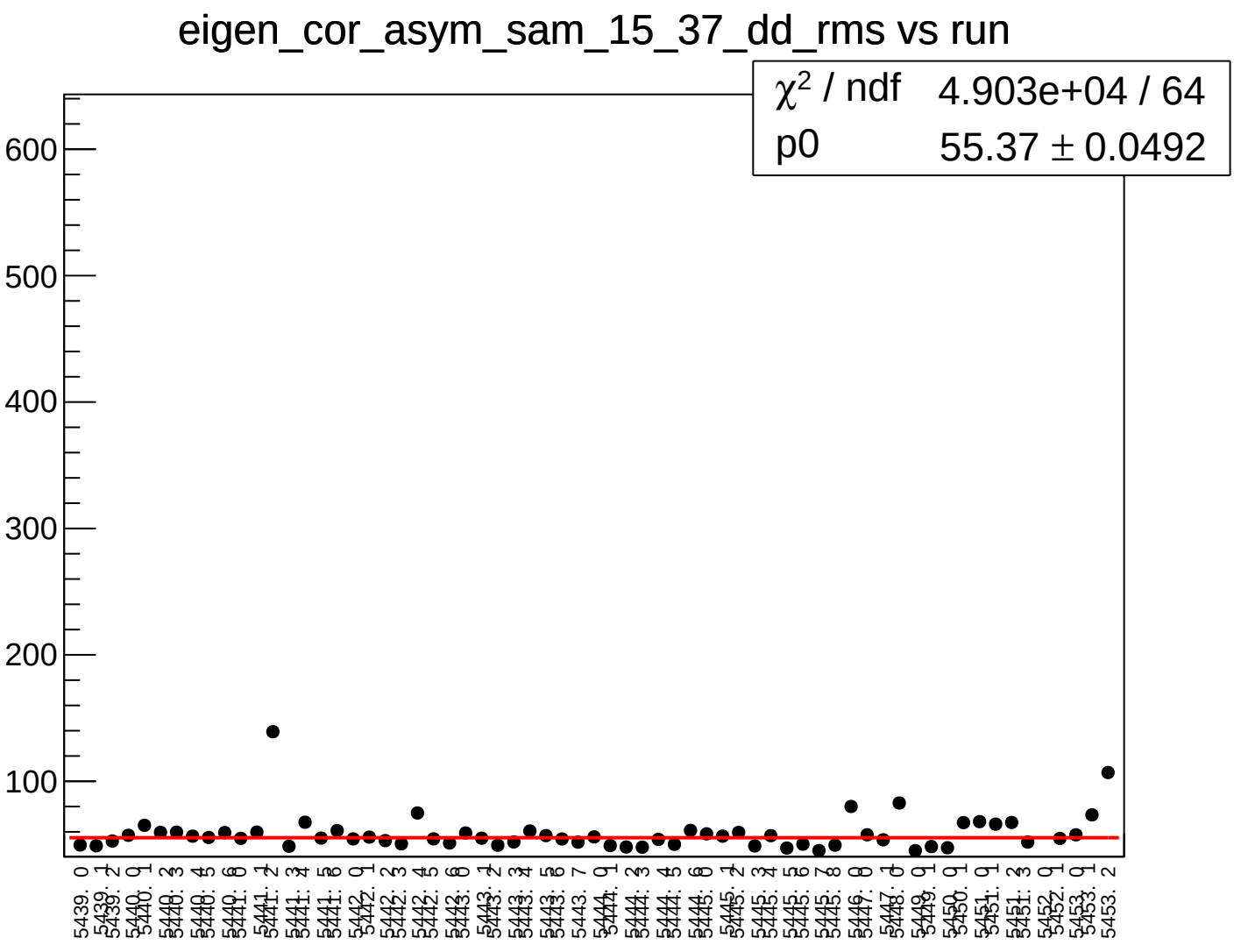

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 71.15 / 64
p0 1251 ± 620.2
pull
Entries 65
Mean −68.29
Std Dev 0

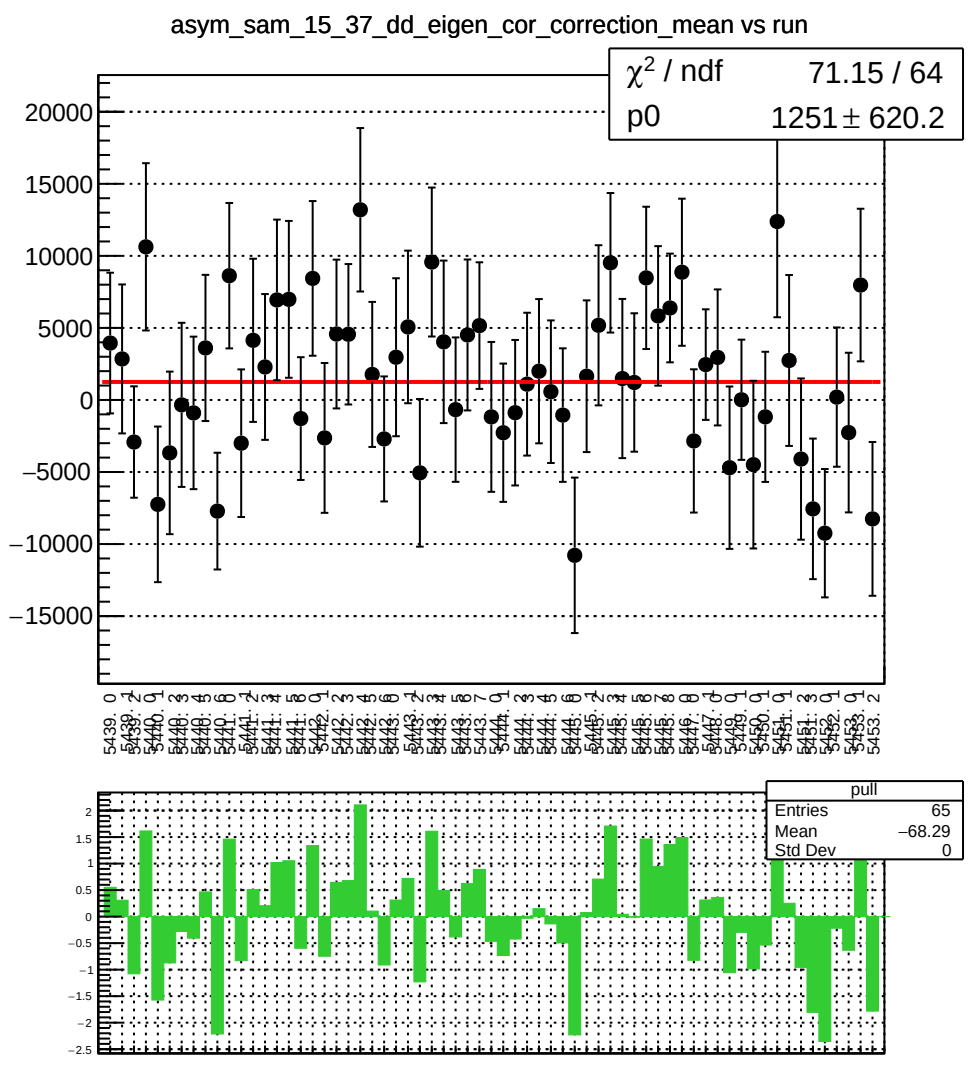

pull1D
Entries 65
Mean 0.02201
Std Dev 1.046

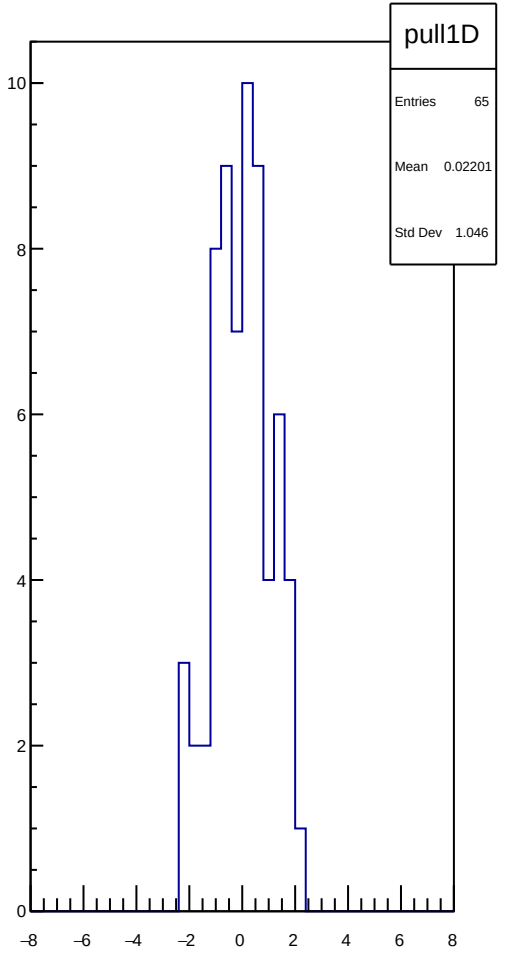

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 8740 / 64
p0 501.3 ± 0.4385
700
650
600
550
500
450
400

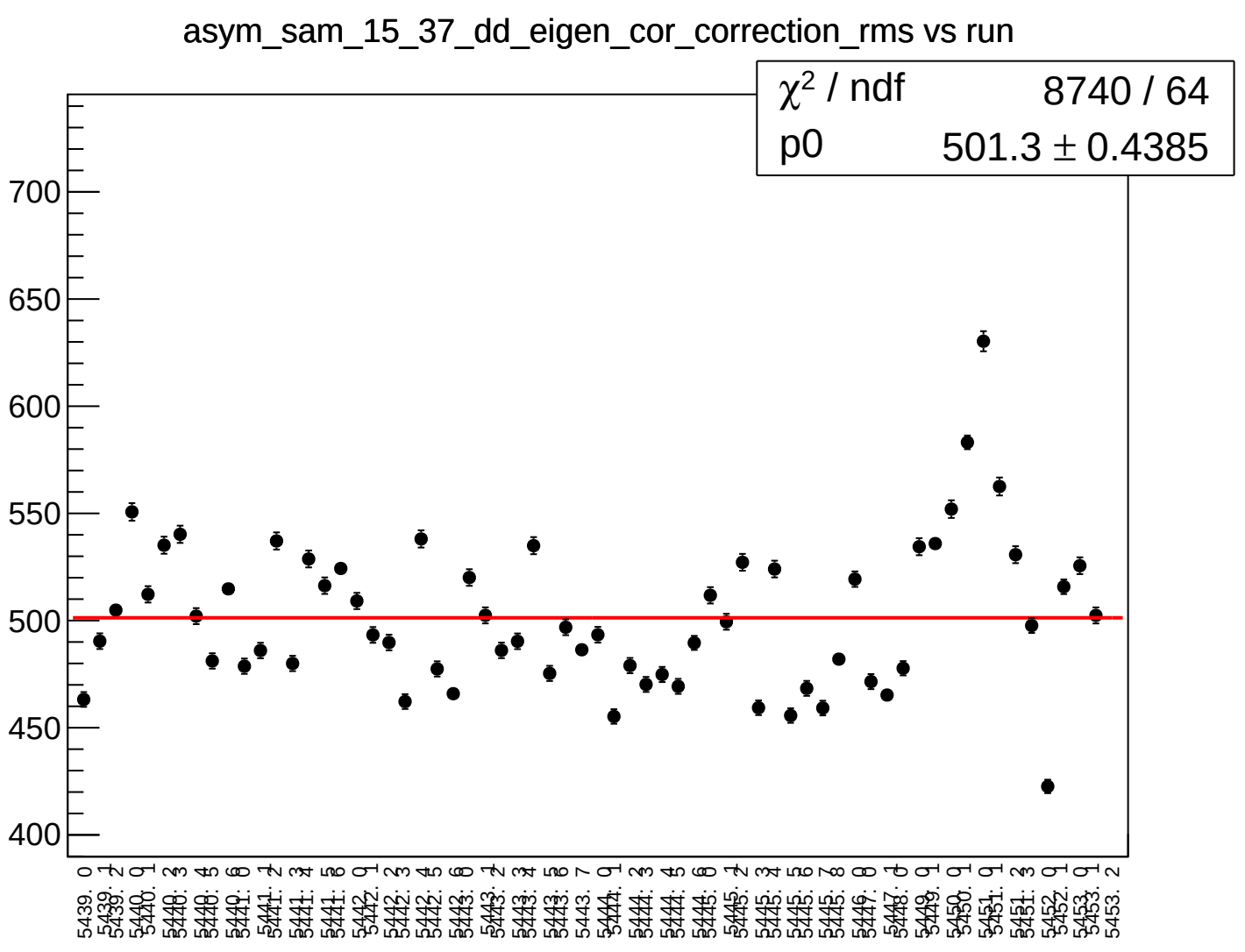

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.4 / 64
p0 −48.31 ± 69.58
pull
Entries 65
Mean −68.22
Std Dev 0

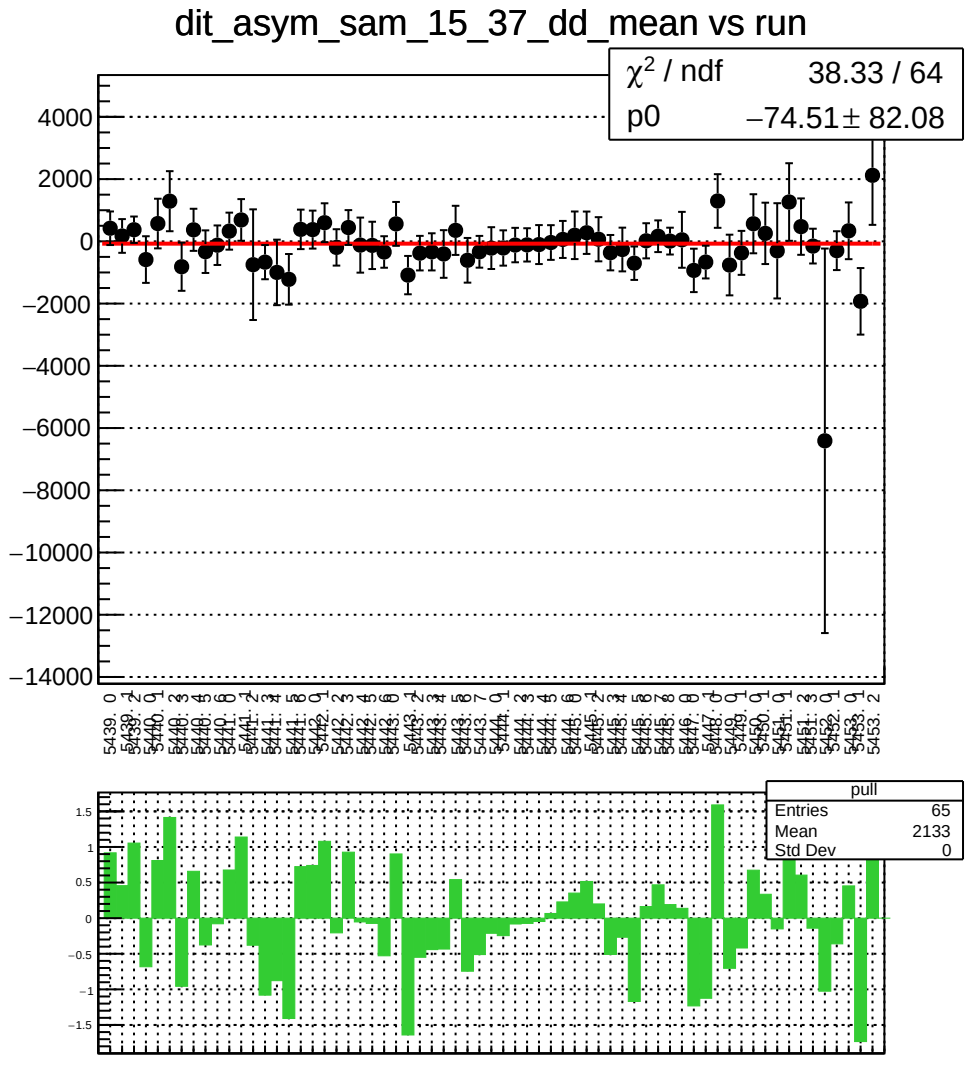

pull1D
Entries 65
Mean 0.01525
Std Dev 0.8538

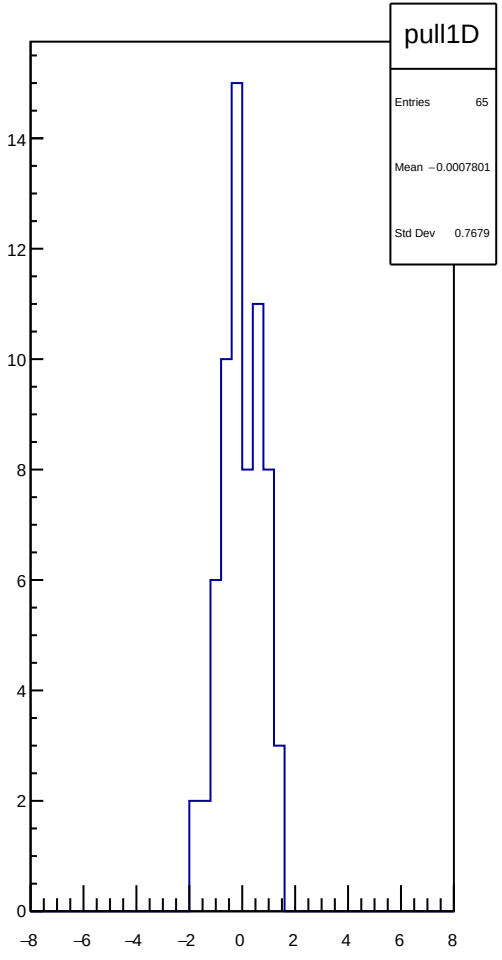

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4.903e+04 / 64
p0 55.37 ± 0.0492
600
500
400
300
200
100

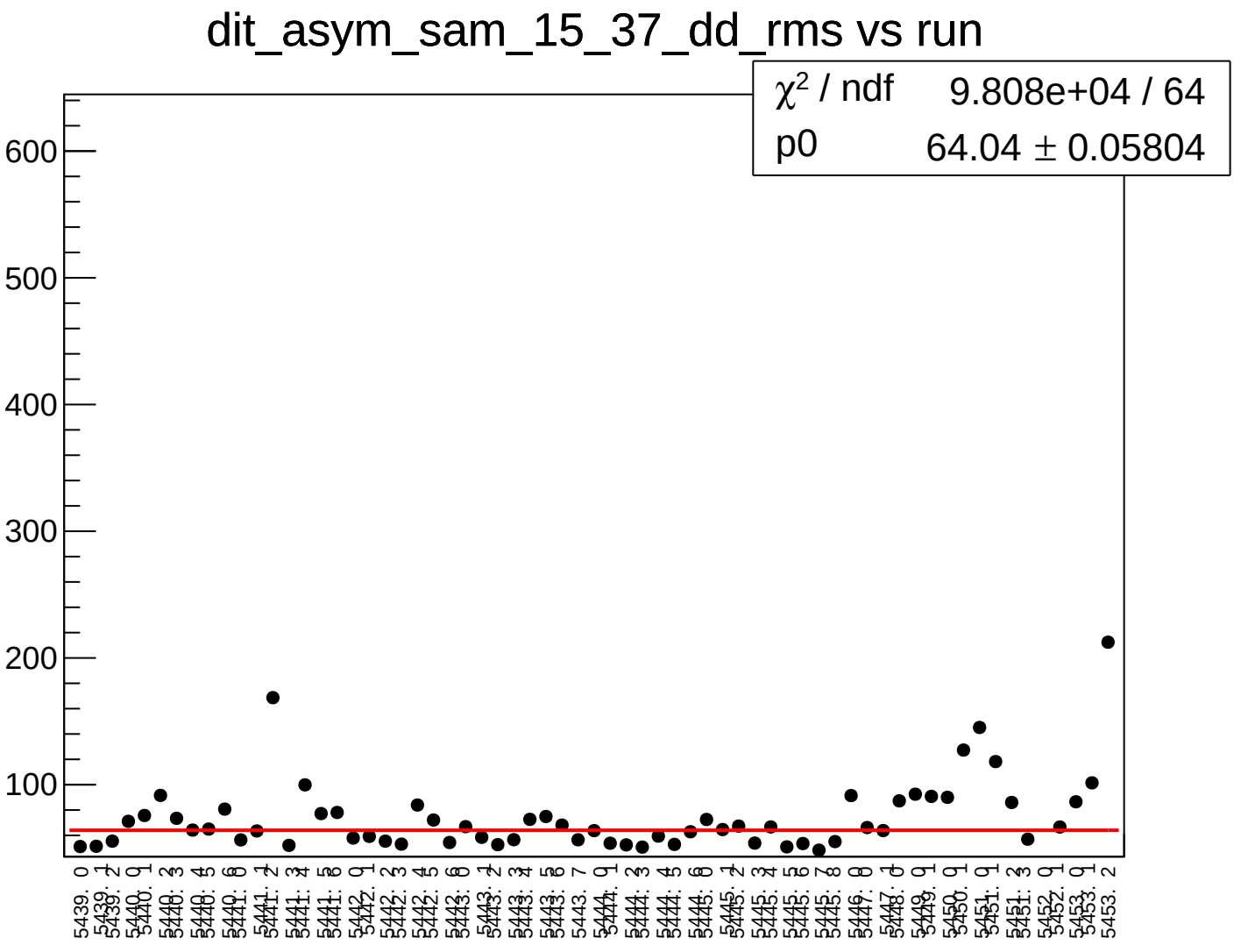

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.15 / 64
p0 1251 ± 620.2
pull
Entries 65
Mean −68.29
Std Dev 0

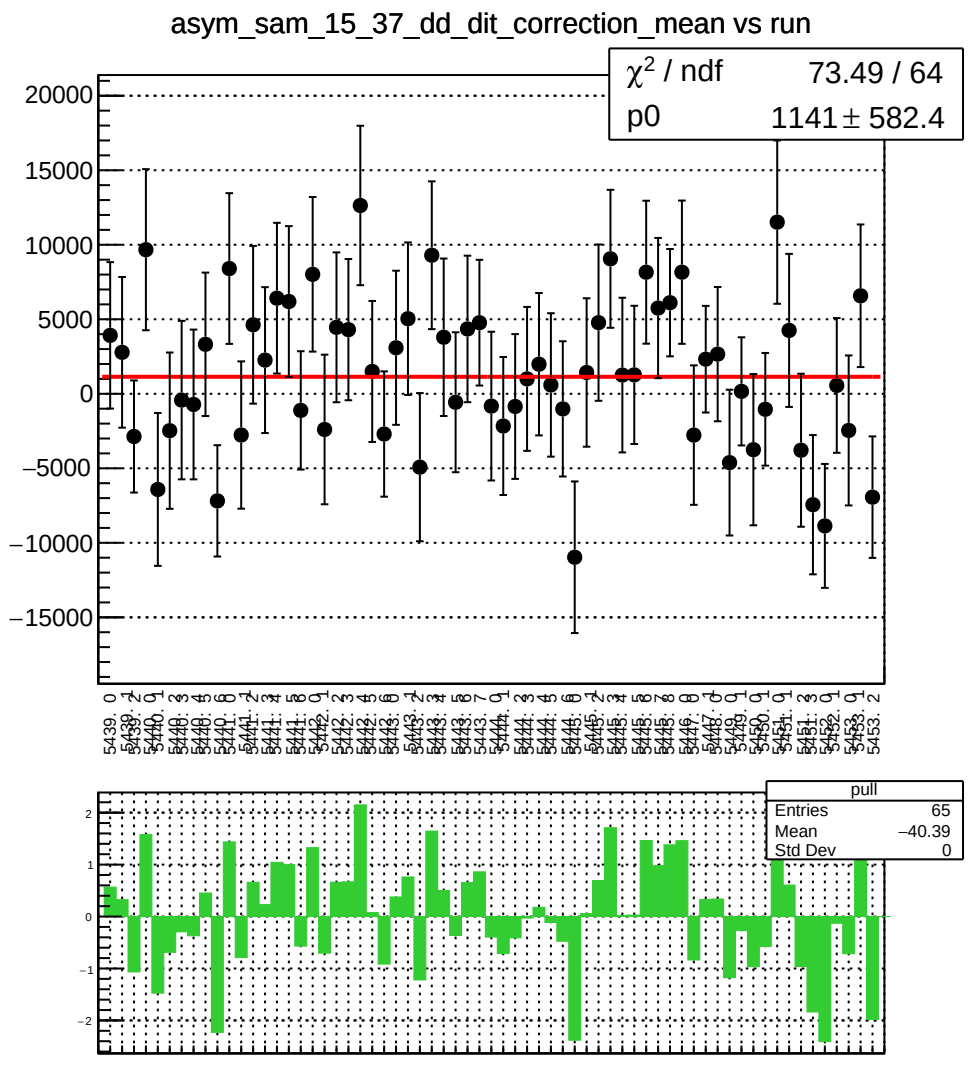

pull1D
Entries 65
Mean 0.02201
Std Dev 1.046

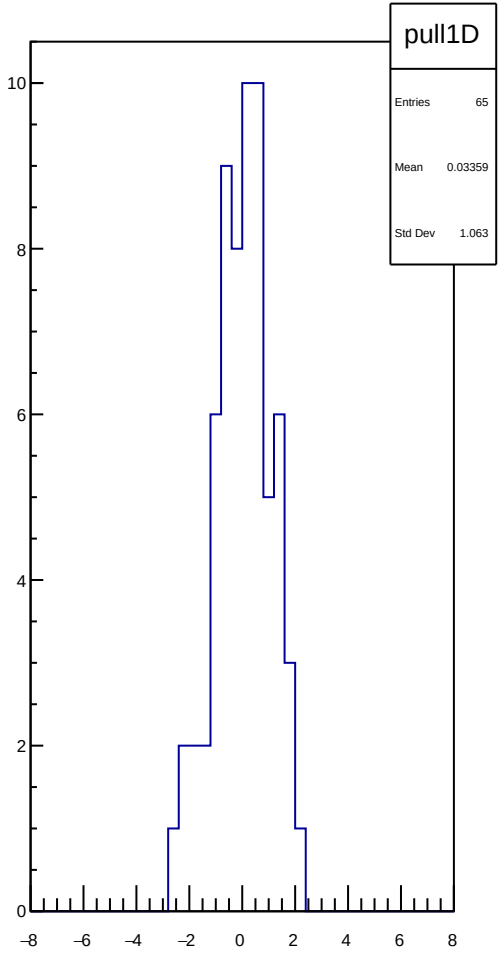

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 8740 / 64
p0 501.3 ± 0.4385
700
650
600
550
500
450
400

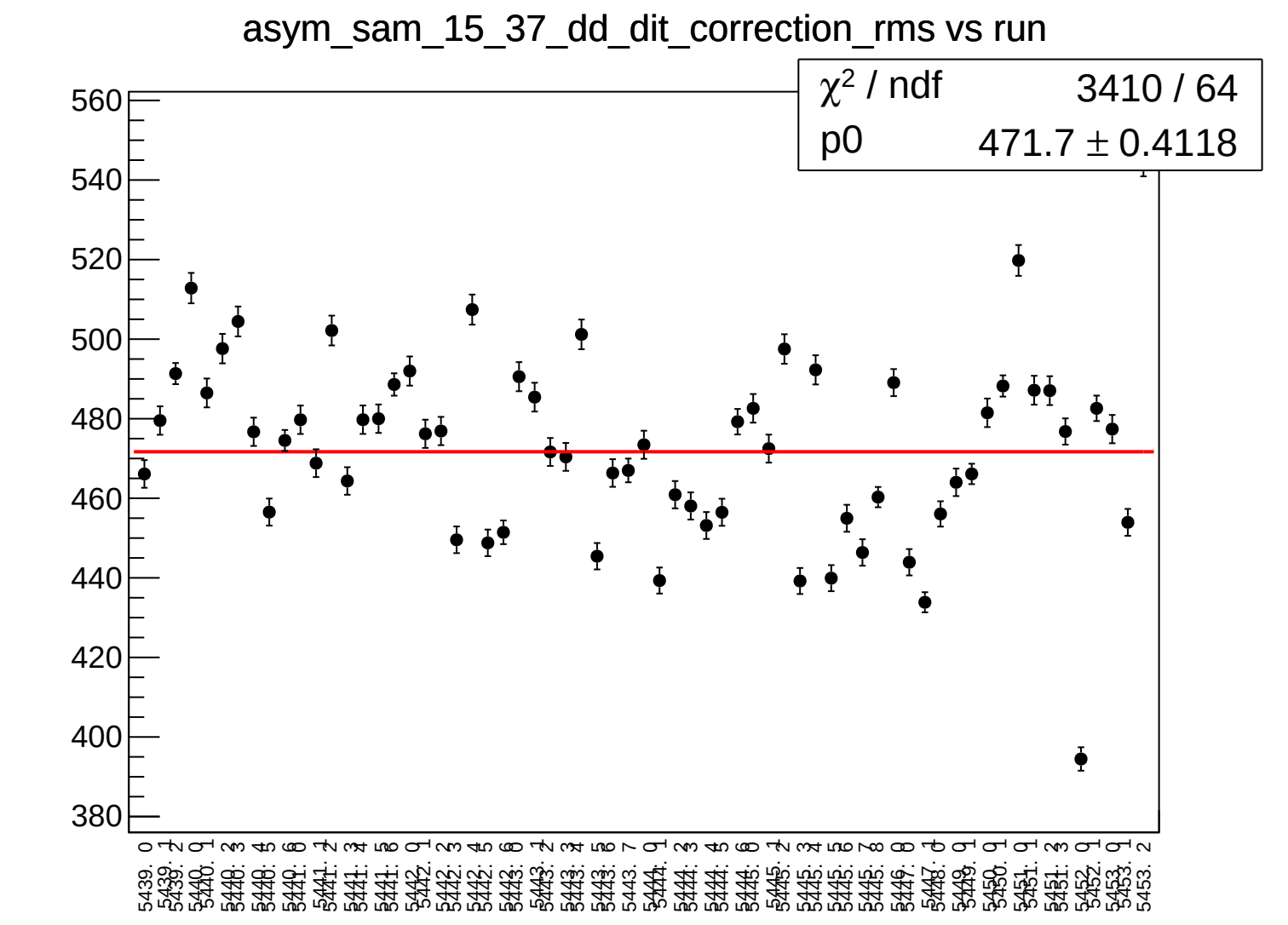

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.33 / 64
p0 −74.51 ± 82.08
pull
Entries 65
Mean 2133
Std Dev 0

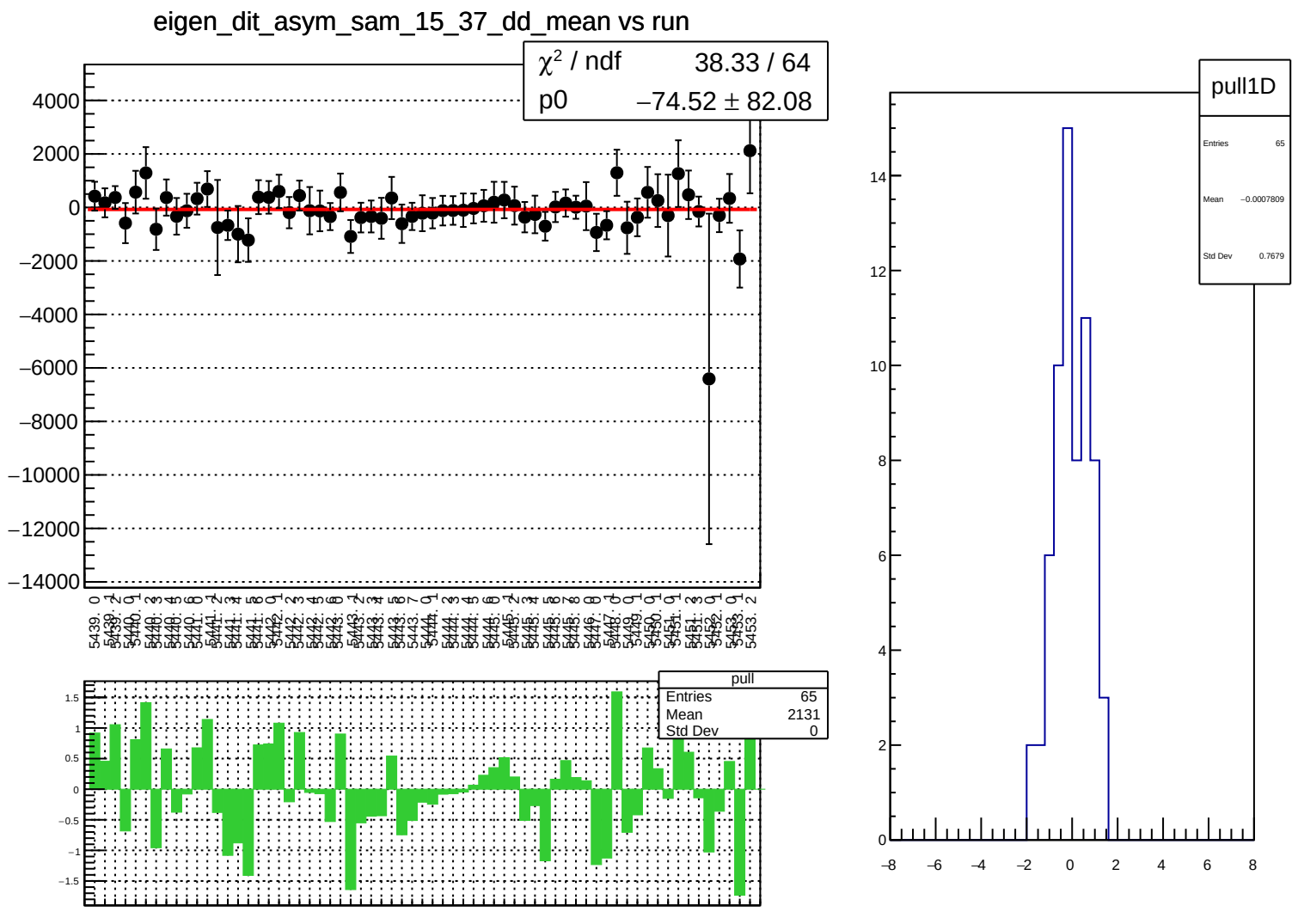

pull1D
Entries 65
Mean −0.0007801
Std Dev 0.7679

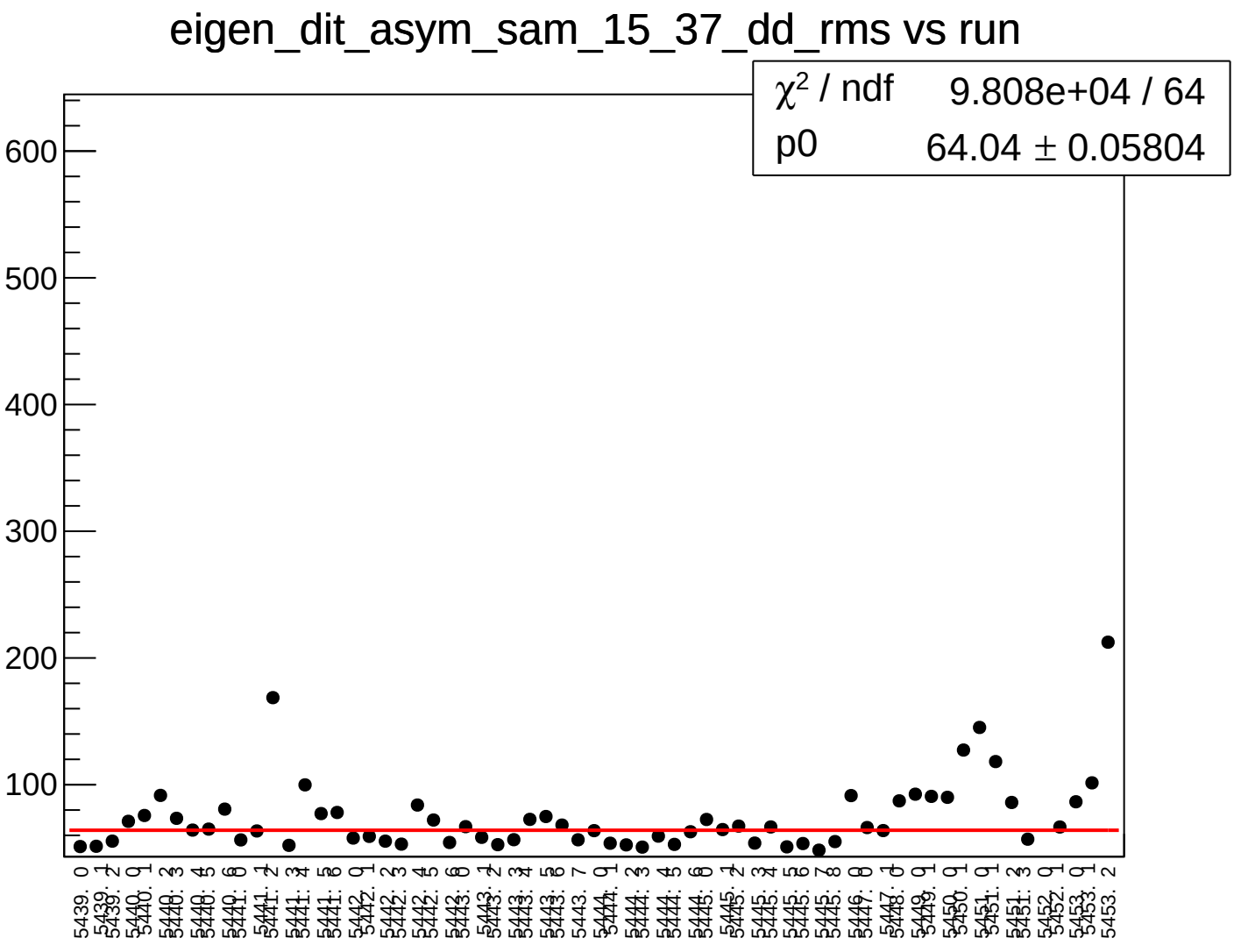

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 9.808e+04 / 64
p0 64.04 ± 0.05804
600
500
400
300
200
100

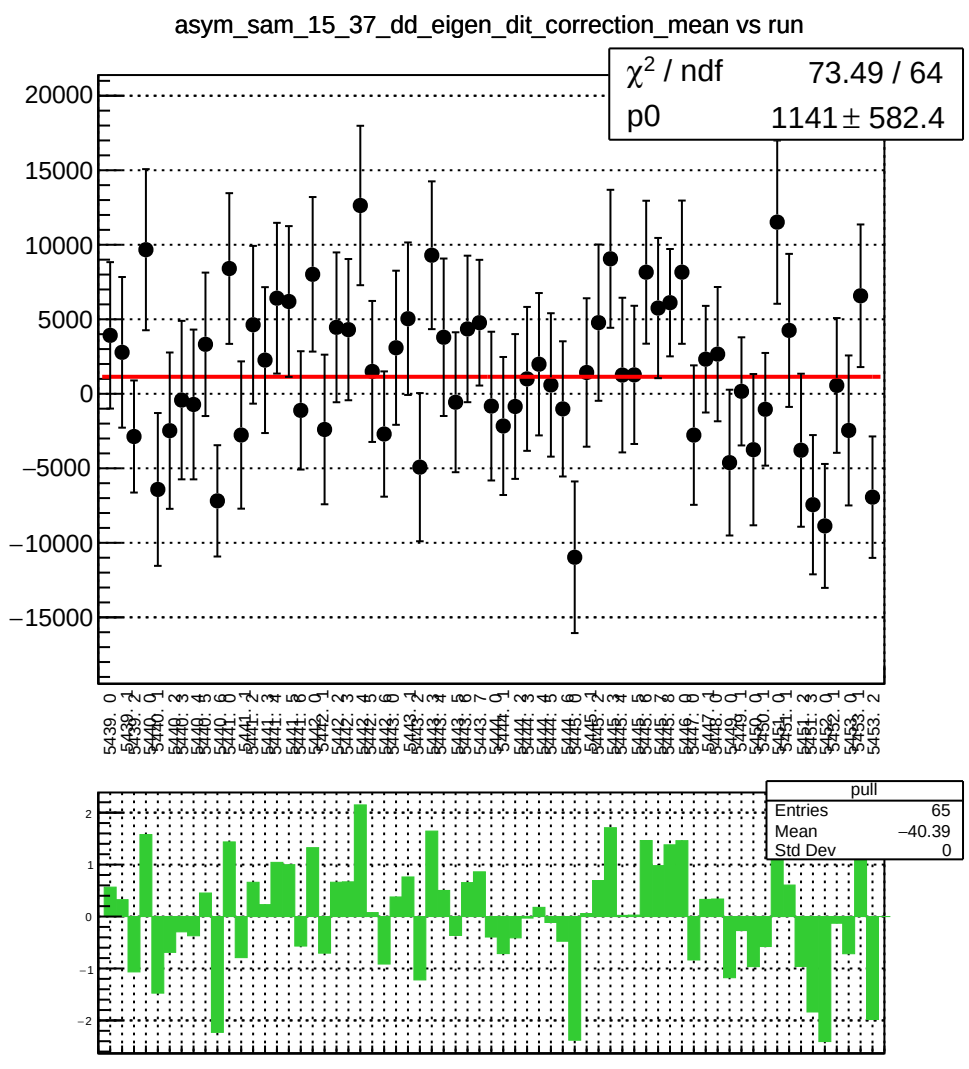

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 73.49 / 64
p0 1141 ± 582.4
pull
Entries 65
Mean −40.39
Std Dev 0

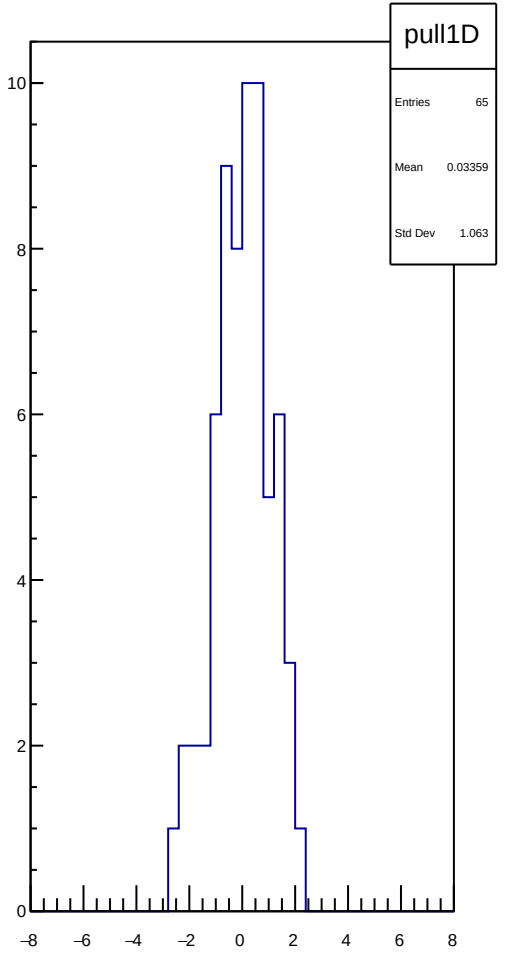

pull1D
Entries 65
Mean 0.03359
Std Dev 1.063

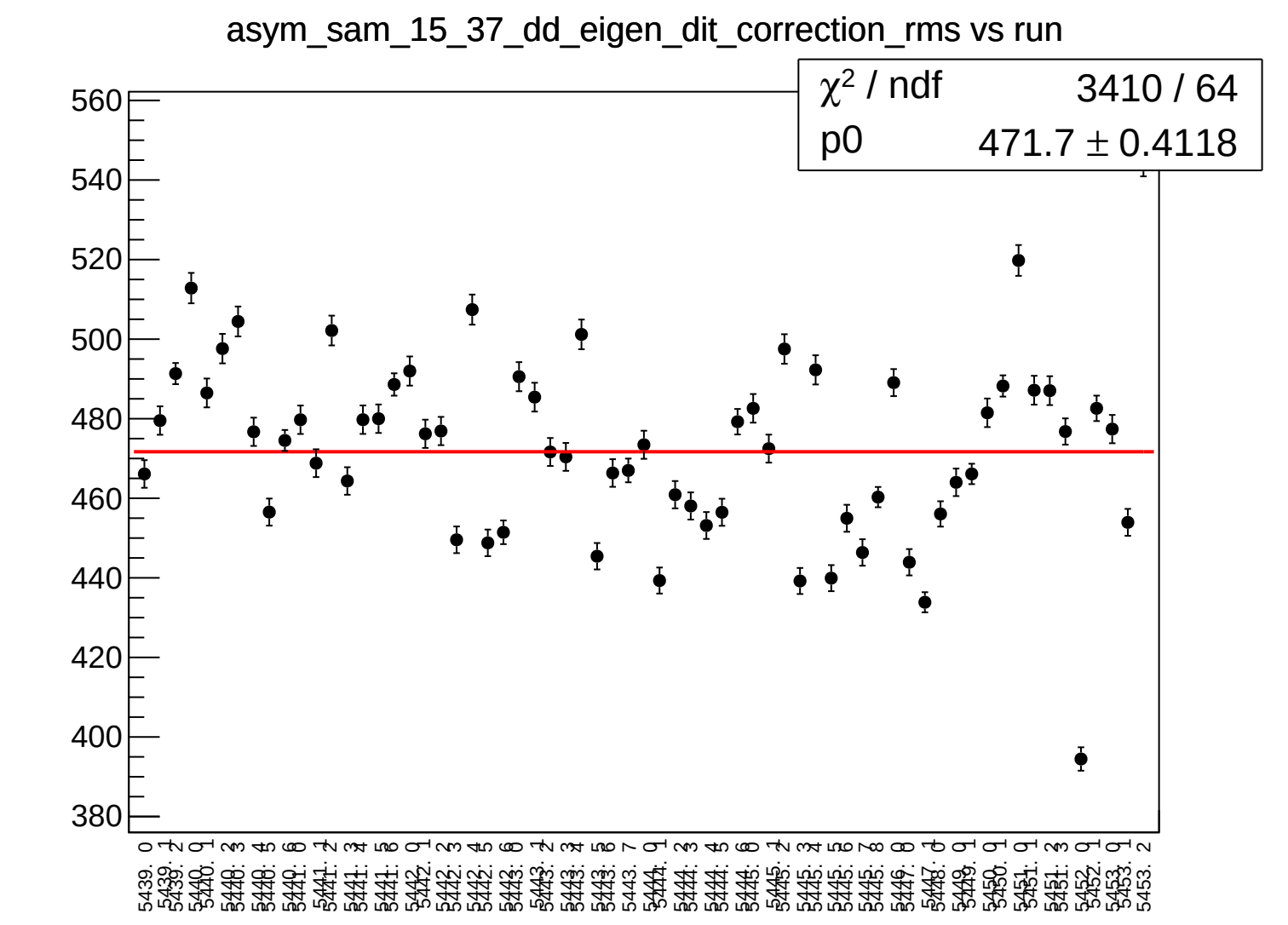

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 3410 / 64
p0 471.7 ± 0.4118
560
540
520
500
480
460
440
420
400
380

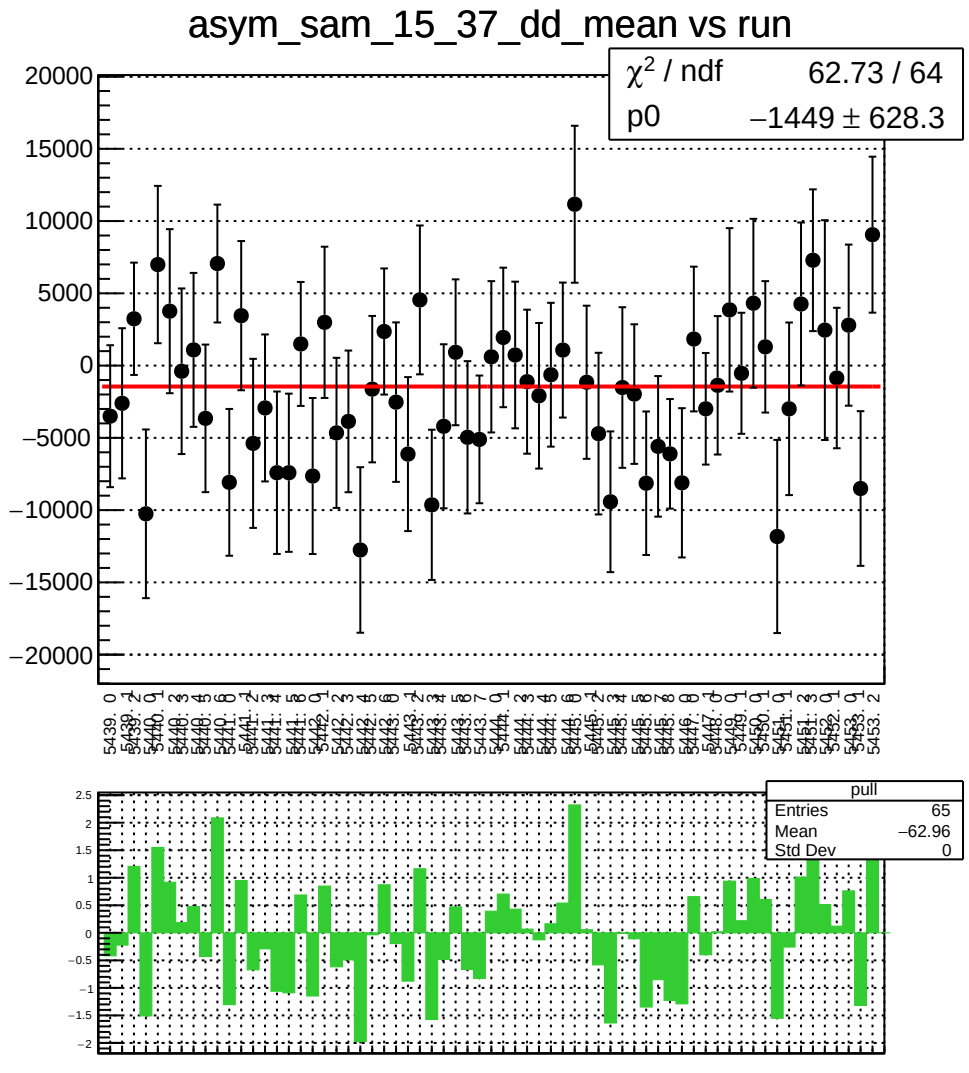

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.33 / 64
p0 −74.52 ± 82.08
pull
Entries 65
Mean 2131
Std Dev 0
pull1D
Entries 65
Mean −0.0007809
Std Dev 0.7679

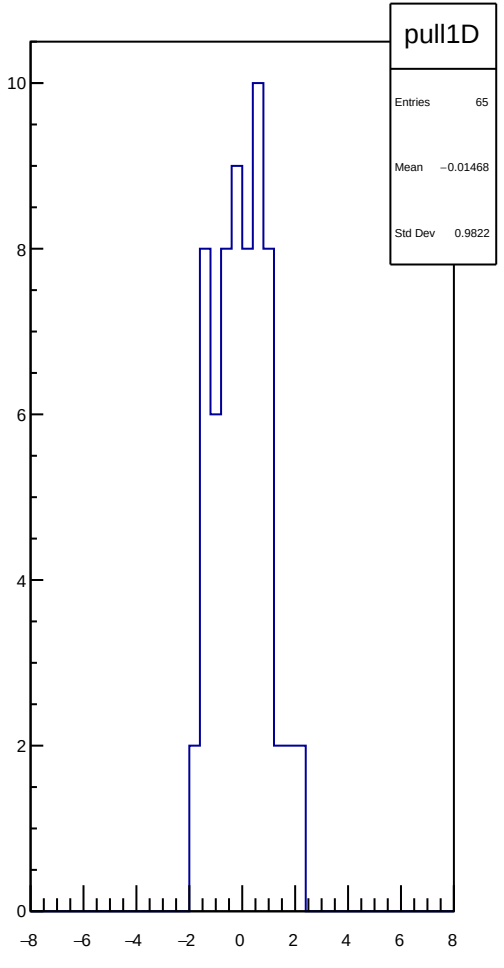

eigen_dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 9.808e+04 / 64
p0 64.04 ± 0.05804
600
500
400
300
200
100

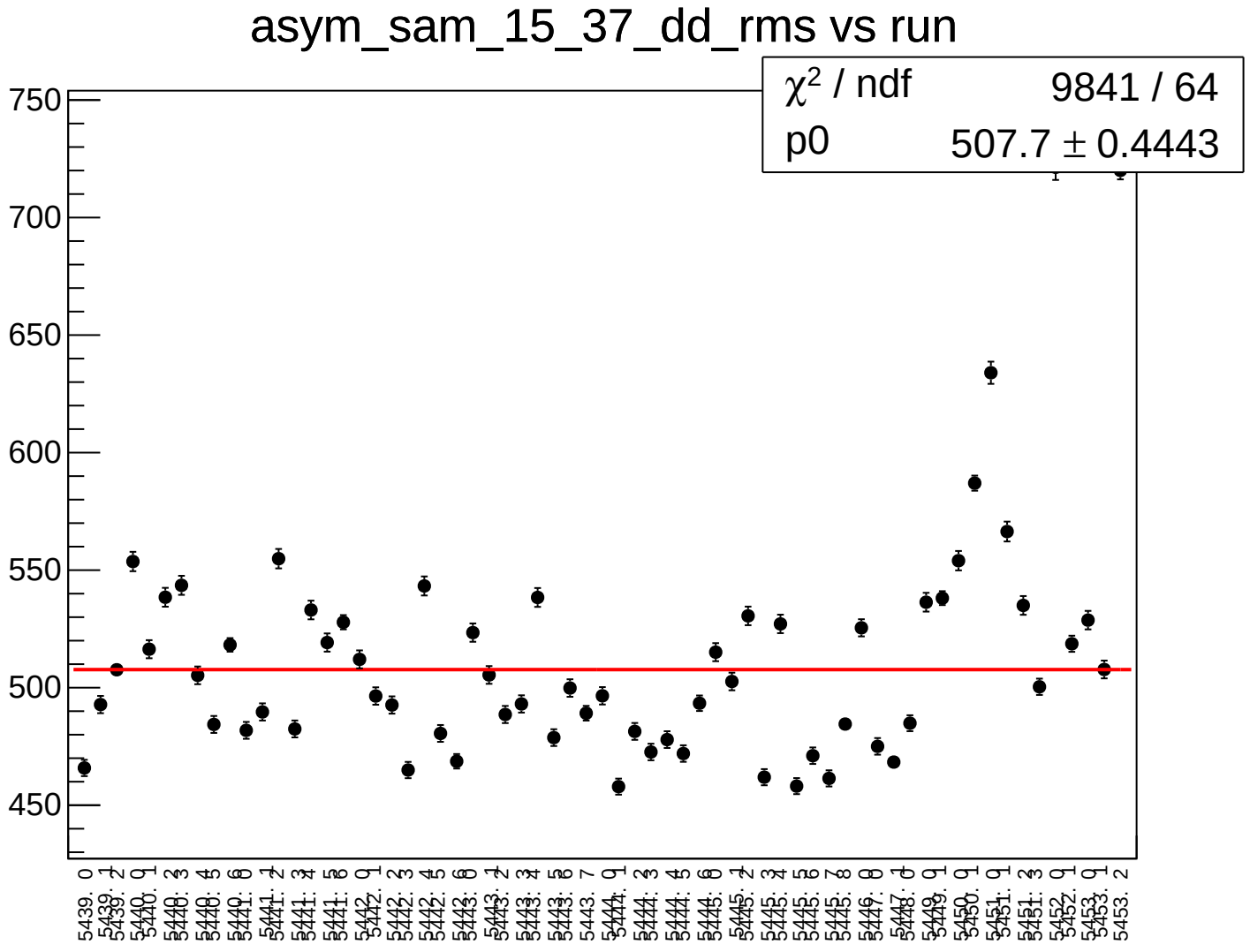

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 73.49 / 64
p0 1141 ± 582.4
pull
Entries 65
Mean −40.39
Std Dev 0

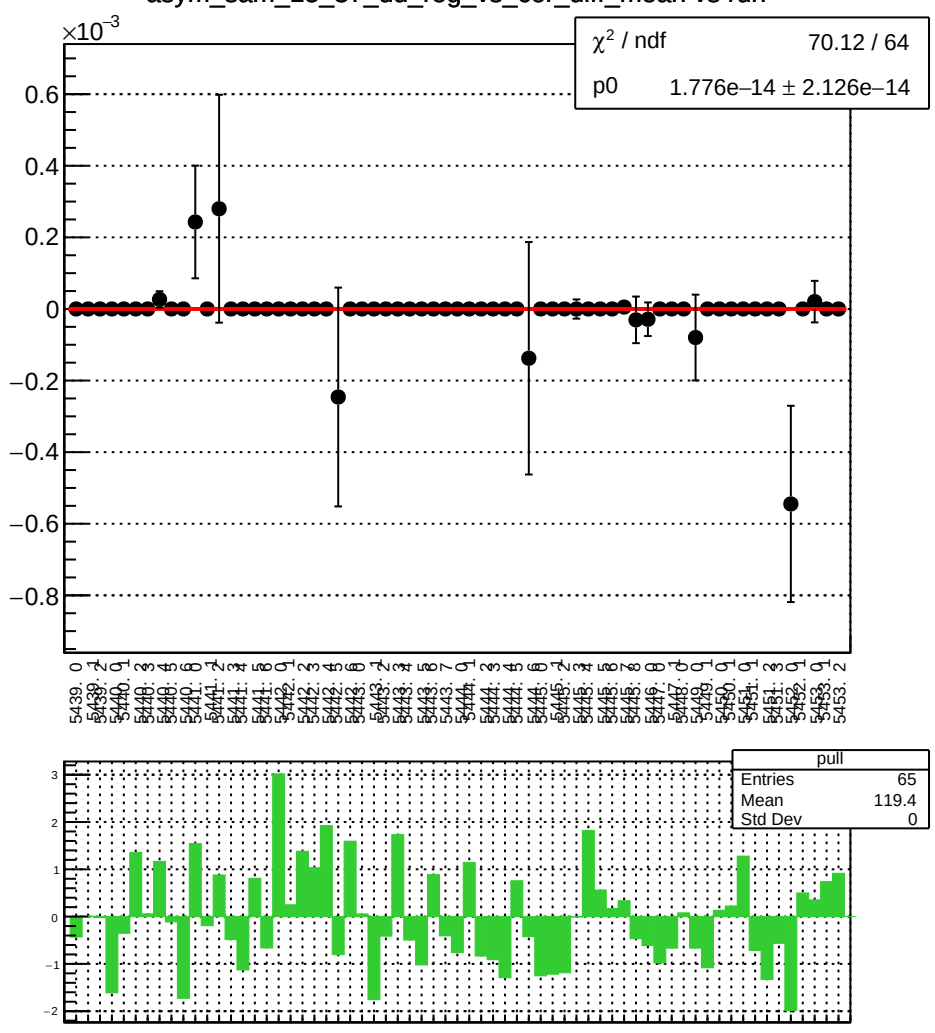

pull1D
Entries 65
Mean 0.03359
Std Dev 1.063

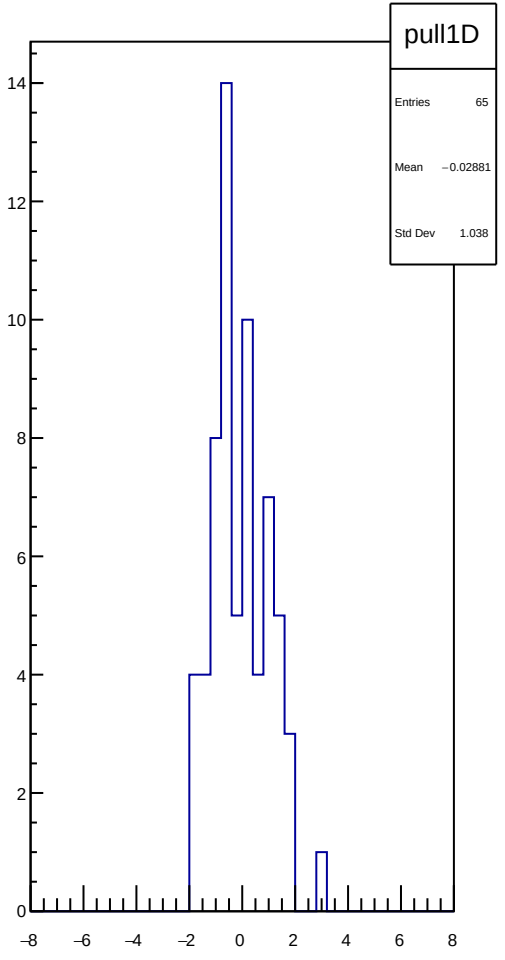

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3410 / 64
p0 471.7 ± 0.4118
560
540
520
500
480
460
440
420
400
380

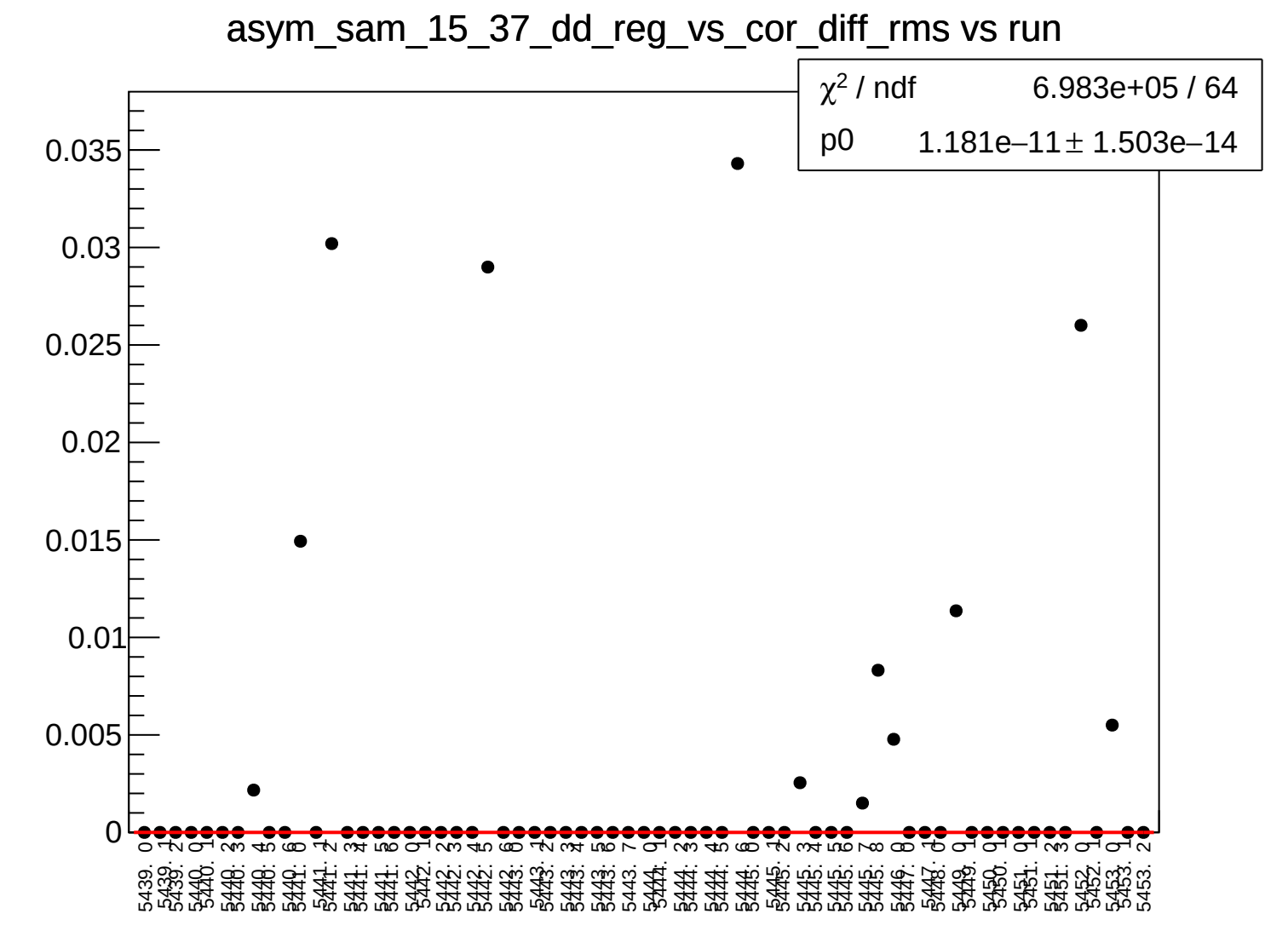

asym_sam_15_37_dd_mean vs run
χ² / ndf 62.73 / 64
p0 −1449 ± 628.3
pull
Entries 65
Mean −62.96
Std Dev 0

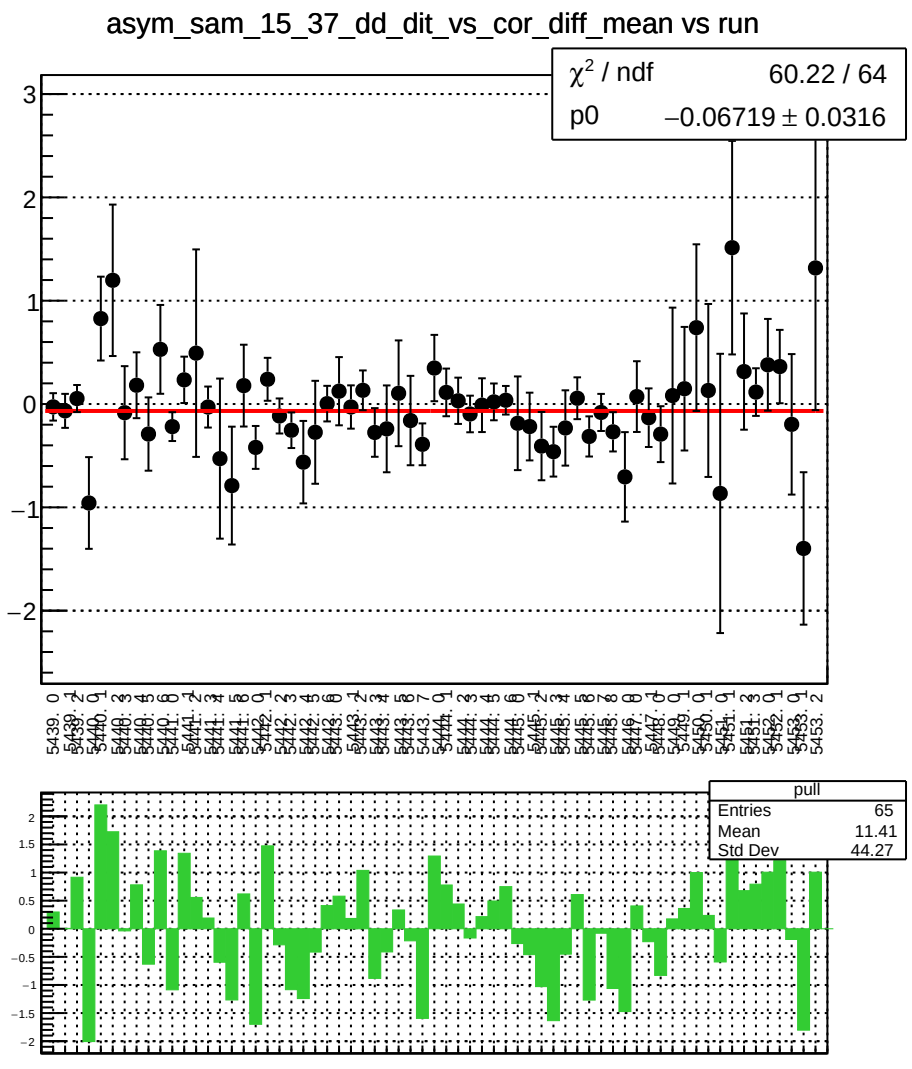

pull1D
Entries 65
Mean −0.01468
Std Dev 0.9822

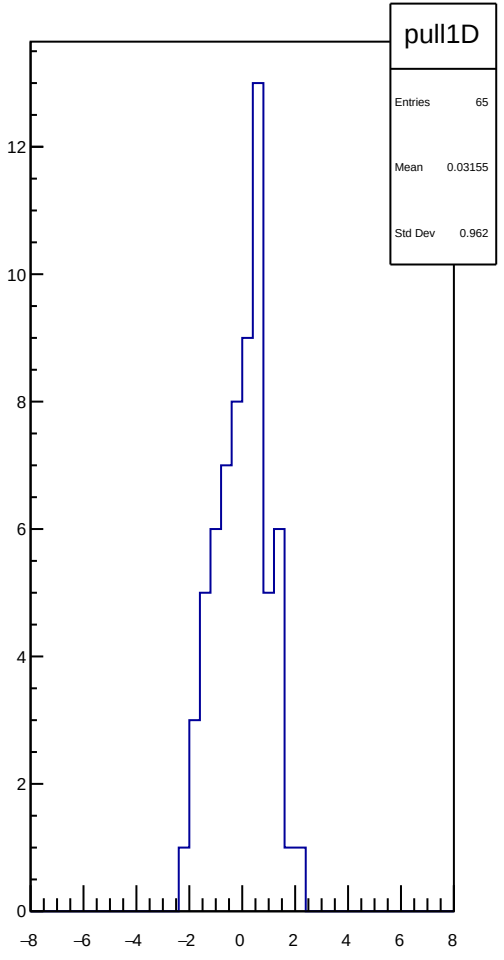

asym_sam_15_37_dd_rms vs run
χ² / ndf 9841 / 64
p0 507.7 ± 0.4443
750
700
650
600
550
500
450

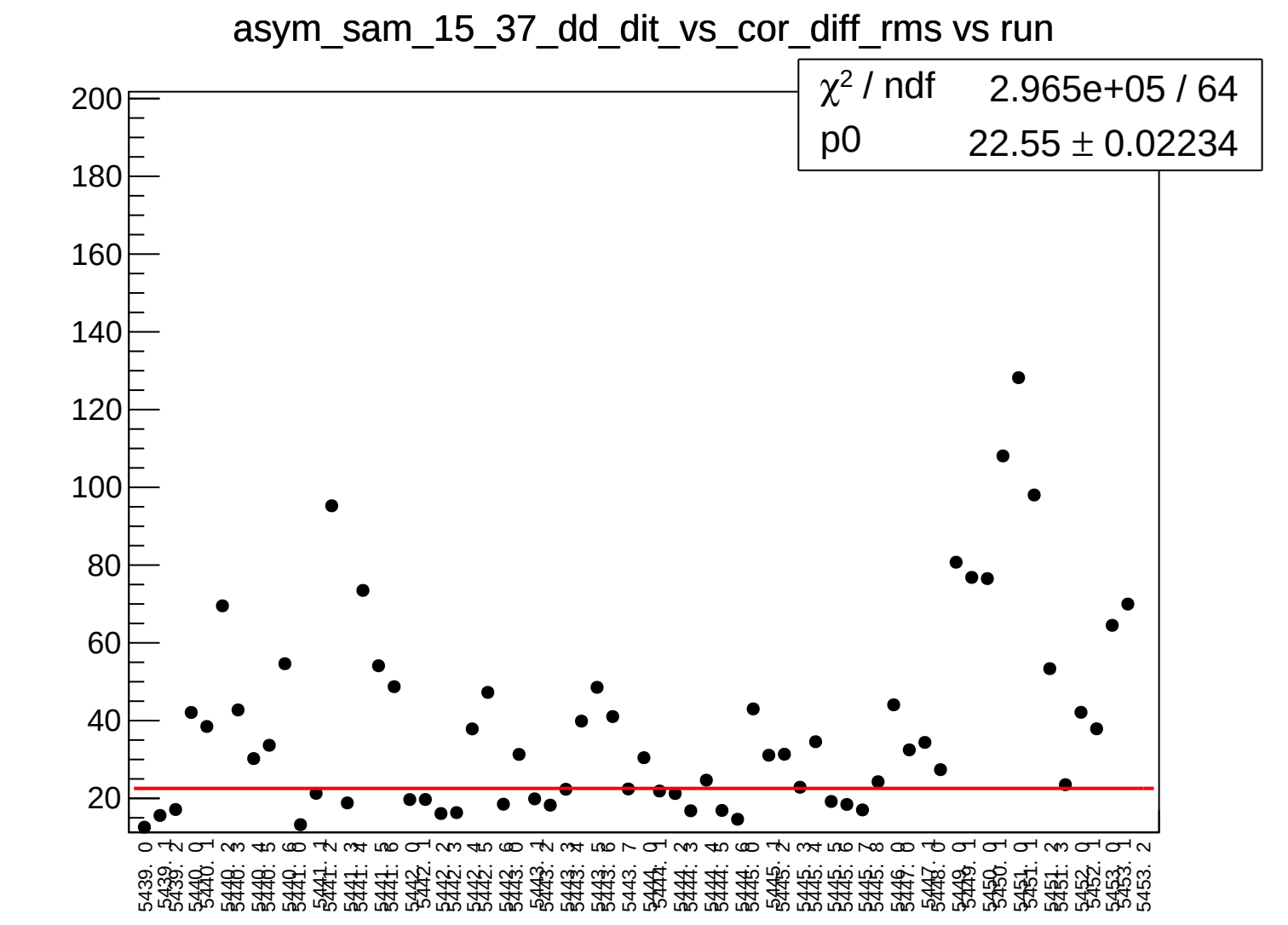

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 70.12 / 64
p0 1.776e−14 ± 2.126e−14
pull
Entries 65
Mean 119.4
Std Dev 0

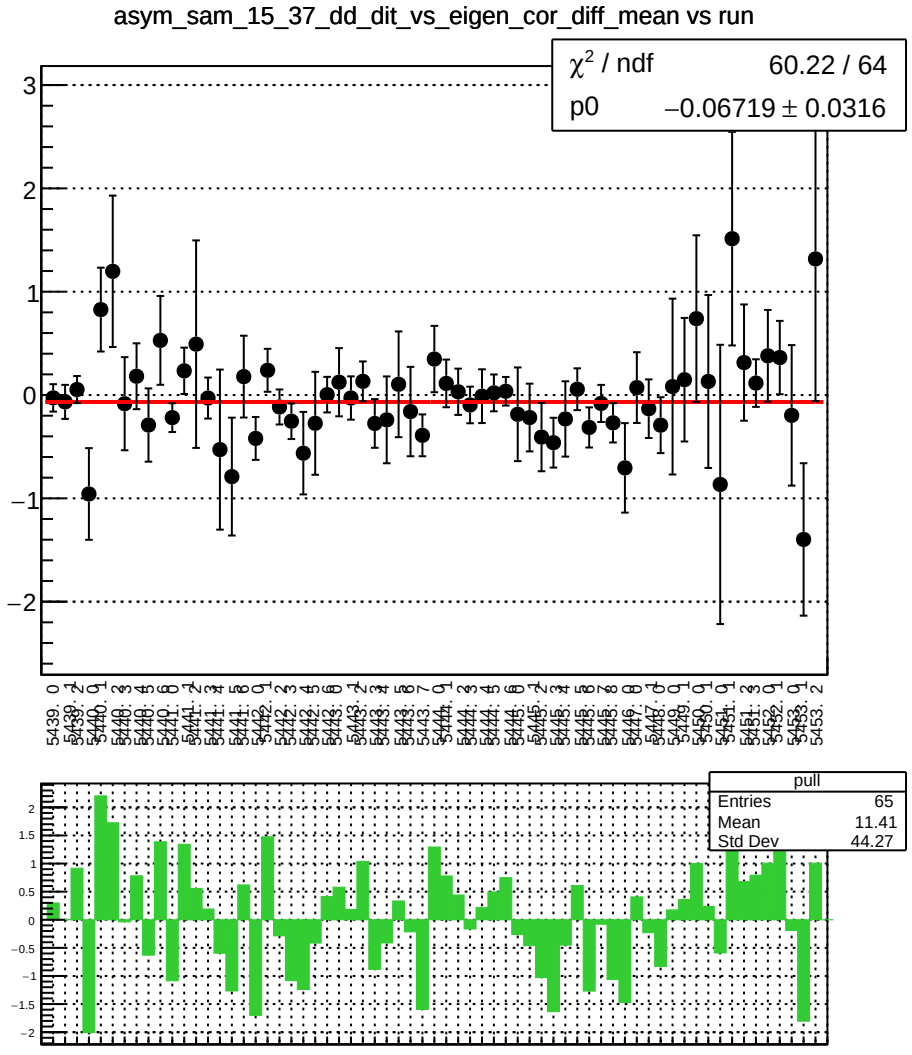

pull1D
Entries 65
Mean −0.02881
Std Dev 1.038

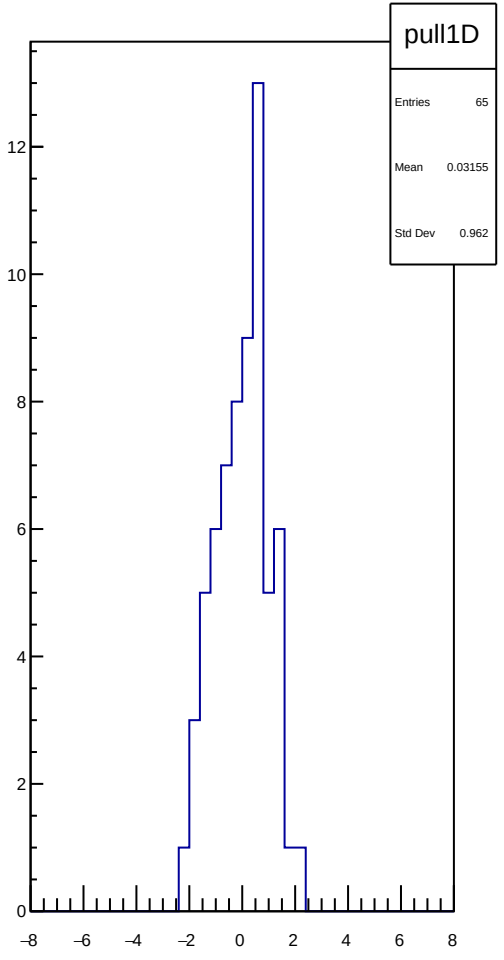

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.983e+05 / 64
p0 1.181e−11 ± 1.503e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

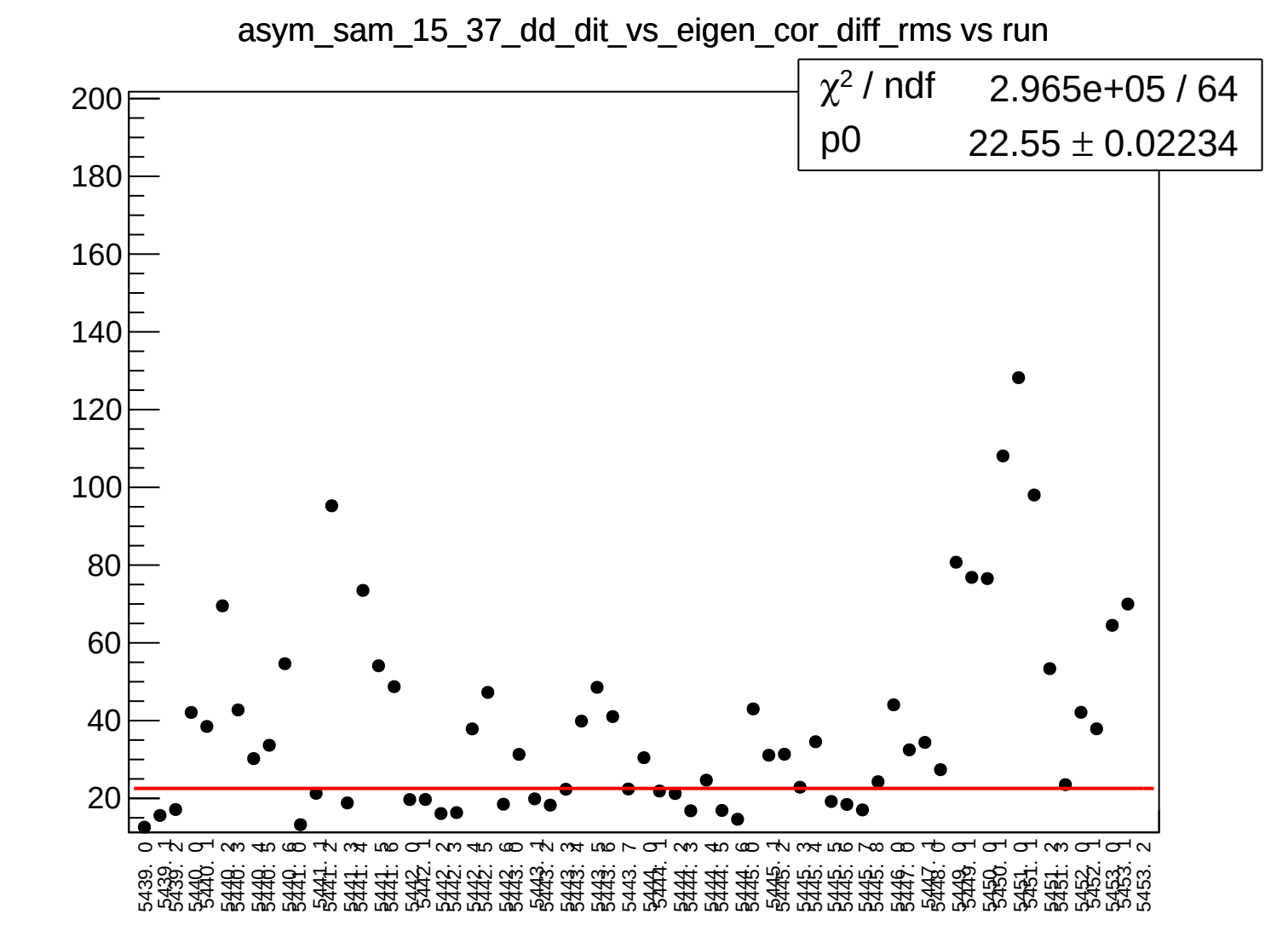

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.22 / 64
p0 −0.06719 ± 0.0316
pull
Entries 65
Mean 11.41
Std Dev 44.27

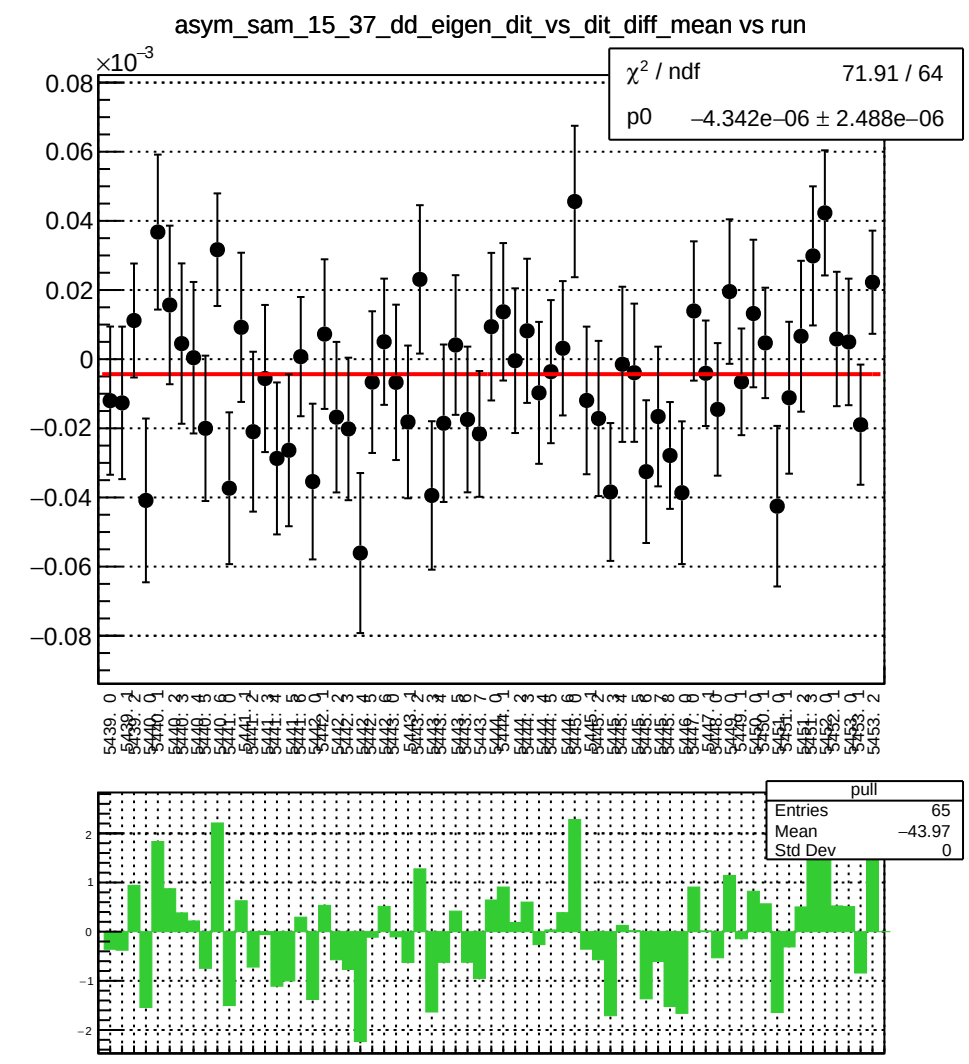

pull1D
Entries 65
Mean 0.03155
Std Dev 0.962

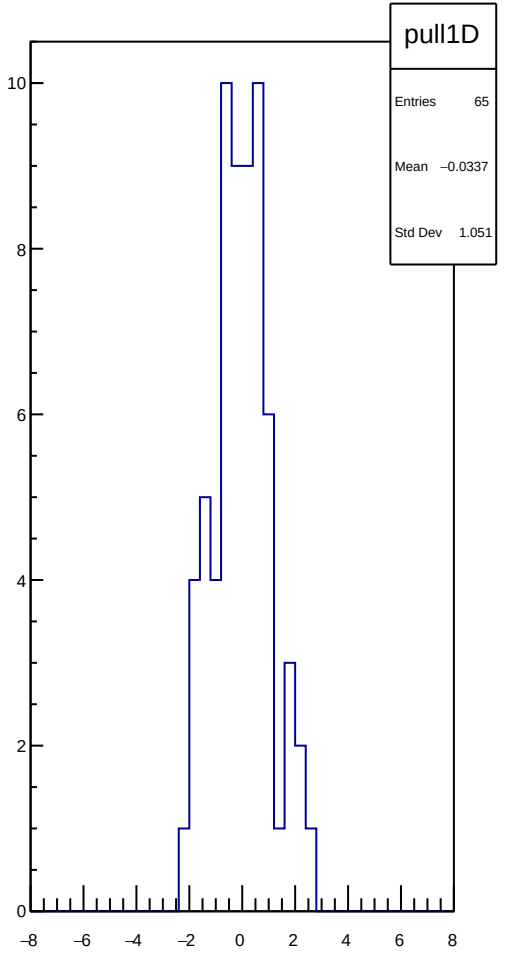

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.965e+05 / 64
p0 22.55 ± 0.02234
200
180
160
140
120
100
80
60
40
20

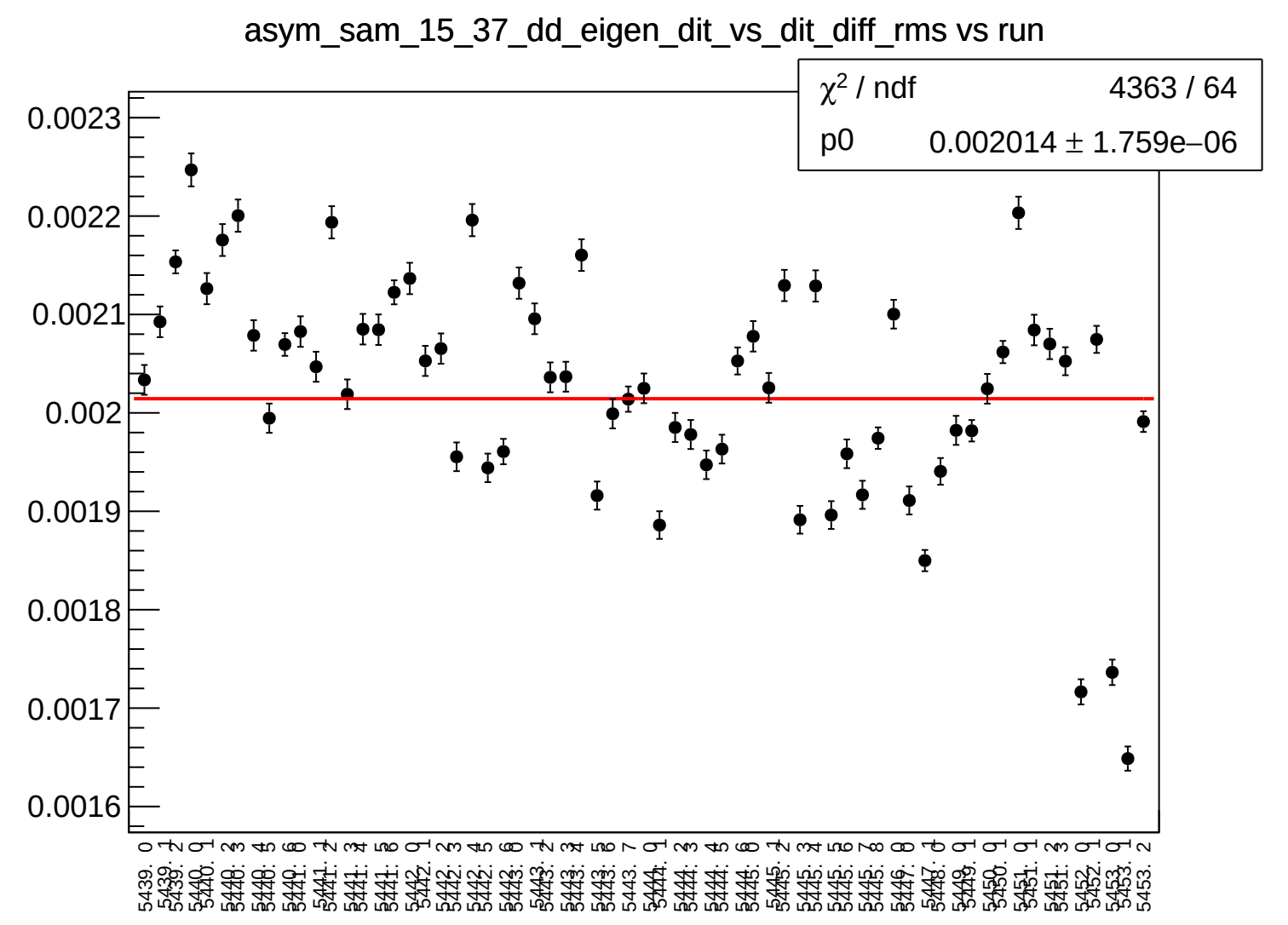

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.22 / 64
p0 −0.06719 ± 0.0316
pull
Entries 65
Mean 11.41
Std Dev 44.27

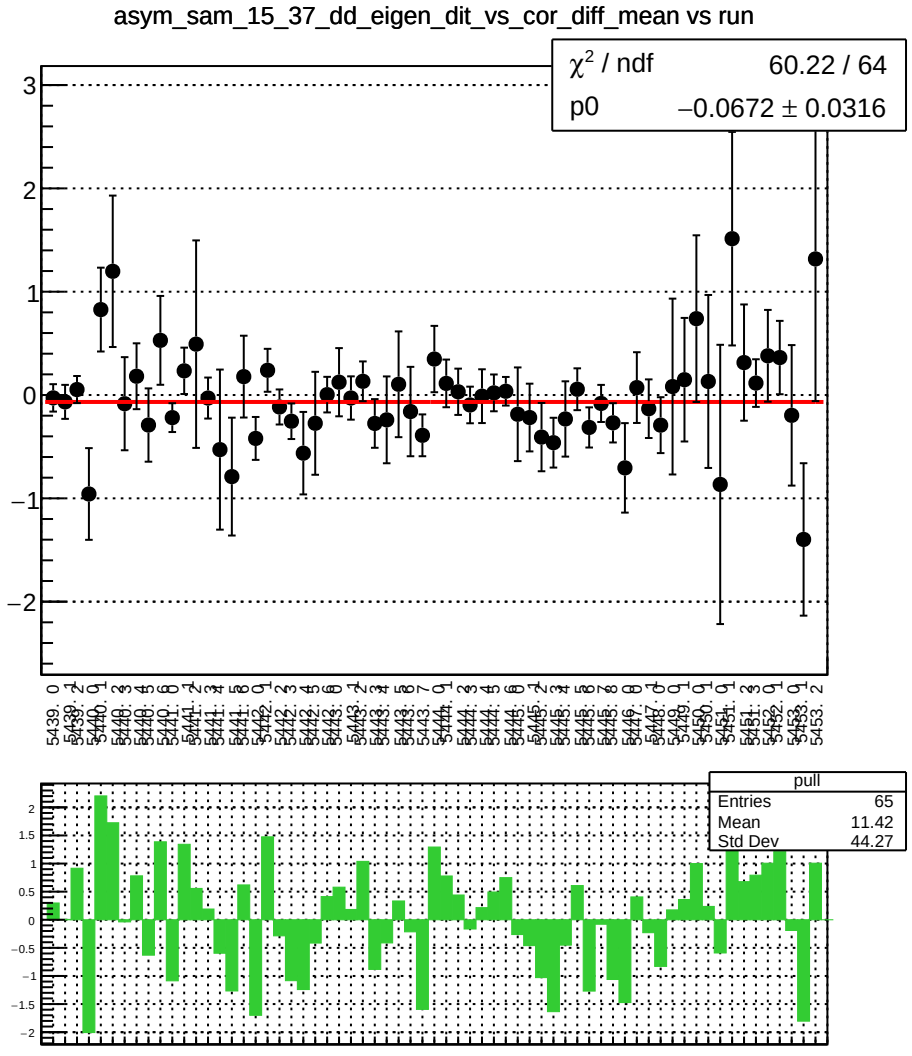

pull1D
Entries 65
Mean 0.03155
Std Dev 0.962

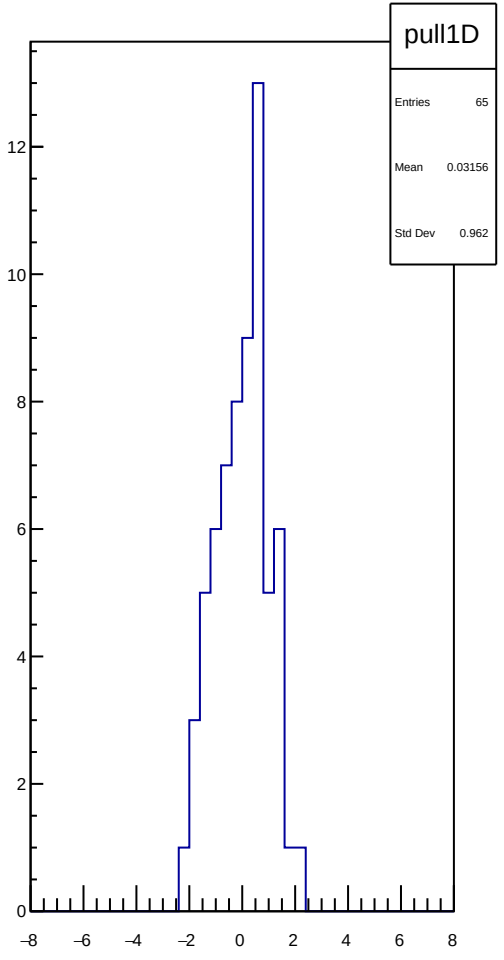

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.965e+05 / 64
p0 22.55 ± 0.02234
200
180
160
140
120
100
80
60
40
20

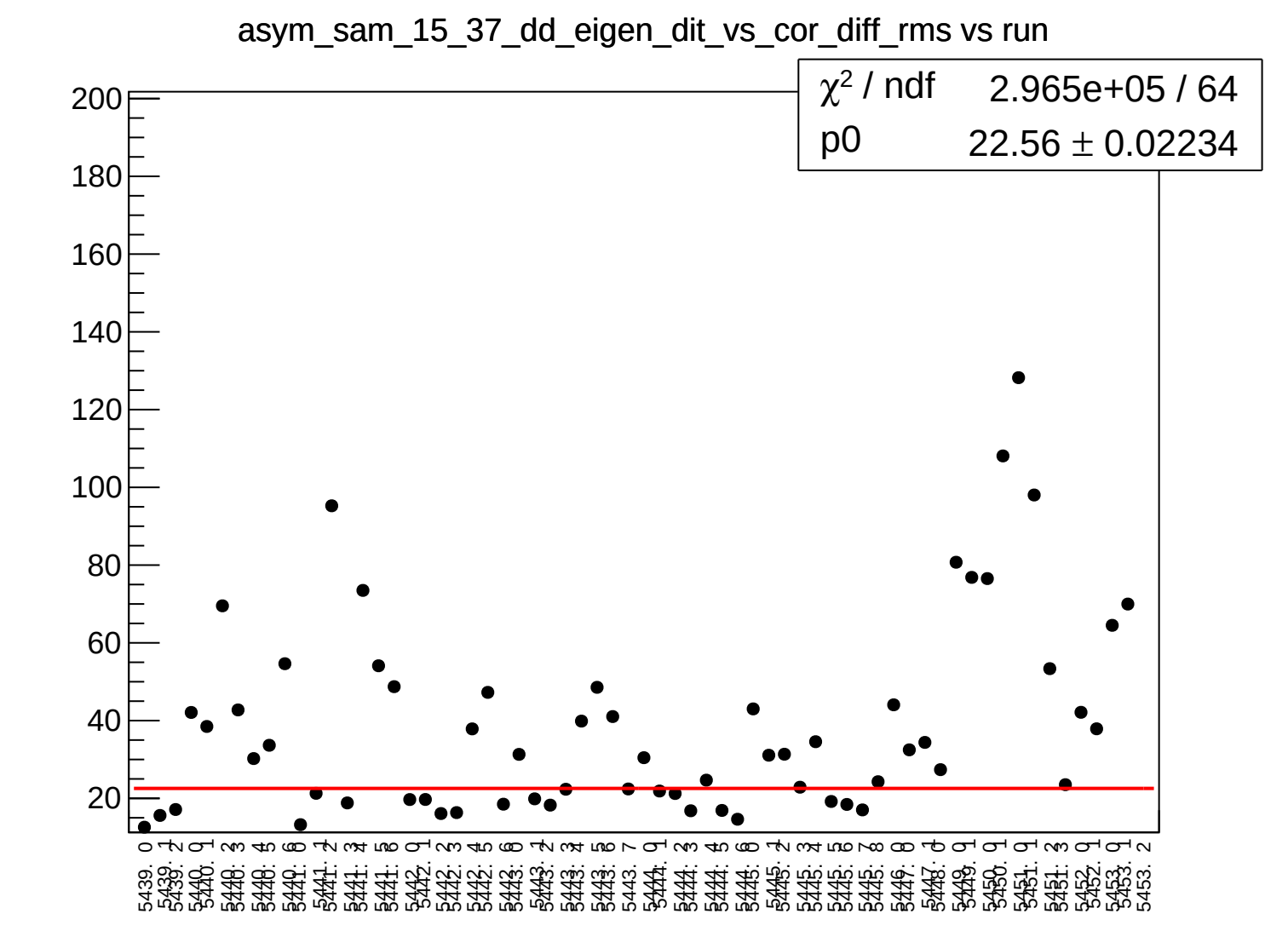

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.91 / 64
p0 −4.342e−06 ± 2.488e−06
pull
Entries 65
Mean −43.97
Std Dev 0


pull1D
Entries 65
Mean −0.0337
Std Dev 1.051

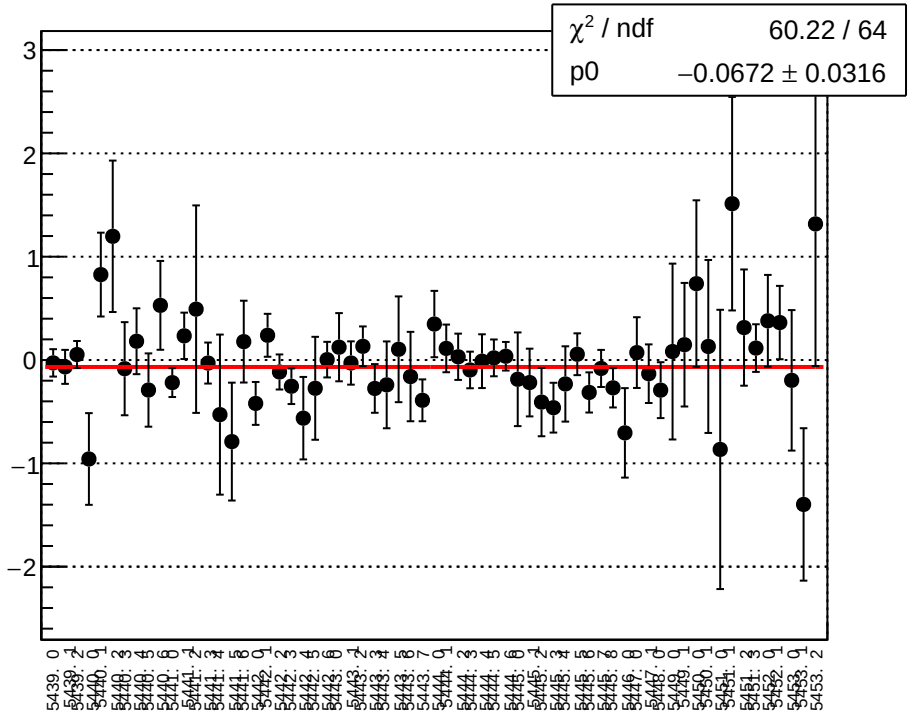

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4363 / 64
p0 0.002014 ± 1.759e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

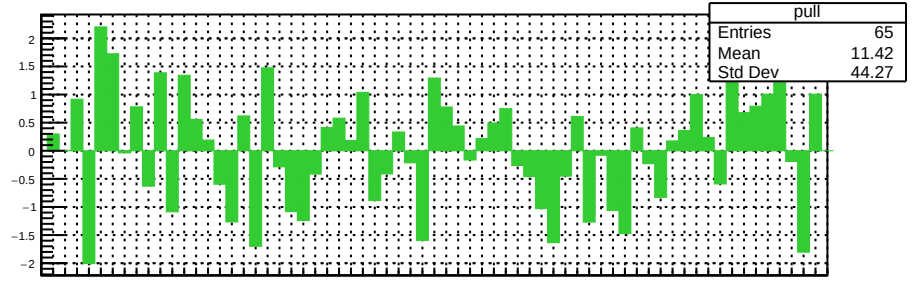

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ^2 / ndf 60.22 / 64
p0 −0.0672 ± 0.0316
pull
Entries 65
Mean 11.42
Std Dev 44.27

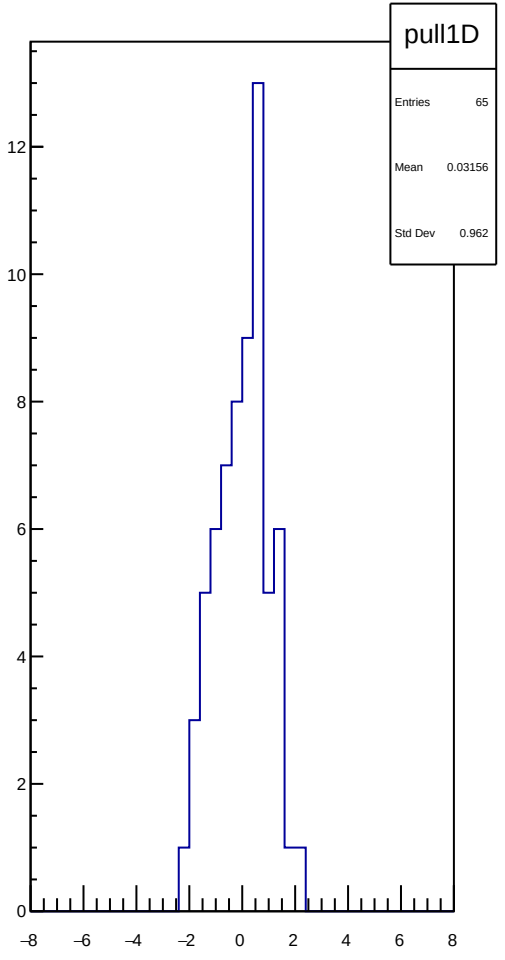

pull1D
Entries 65
Mean 0.03156
Std Dev 0.962

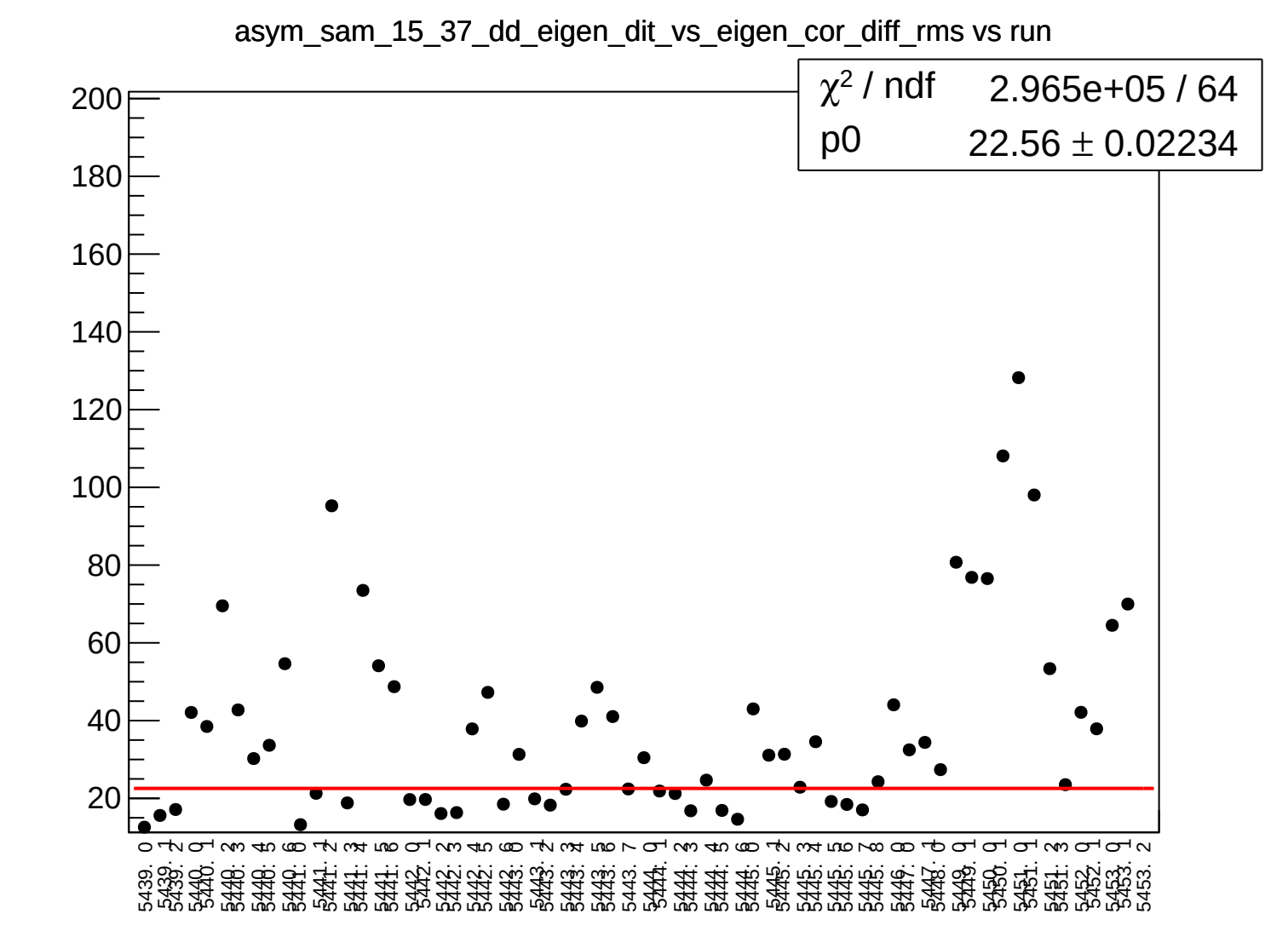

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.965e+05 / 64
p0 22.56 ± 0.02234
200
180
160
140
120
100
80
60
40
20

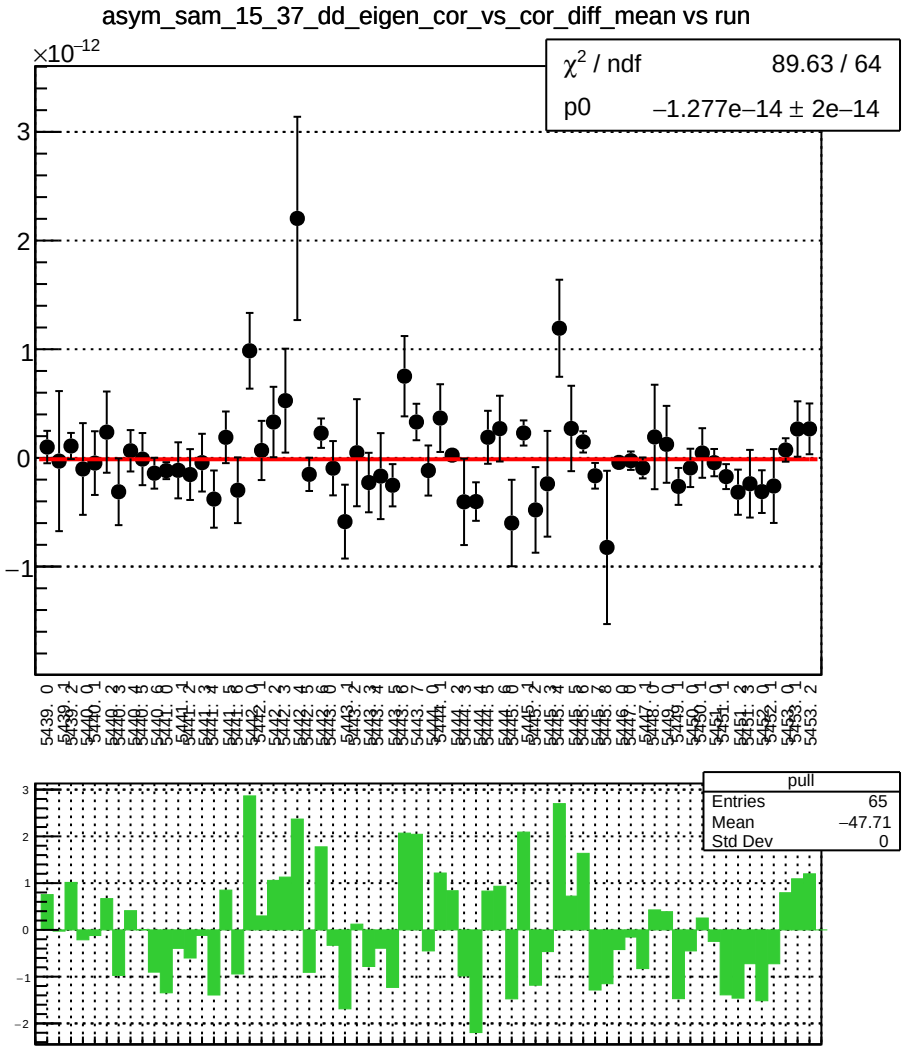
asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

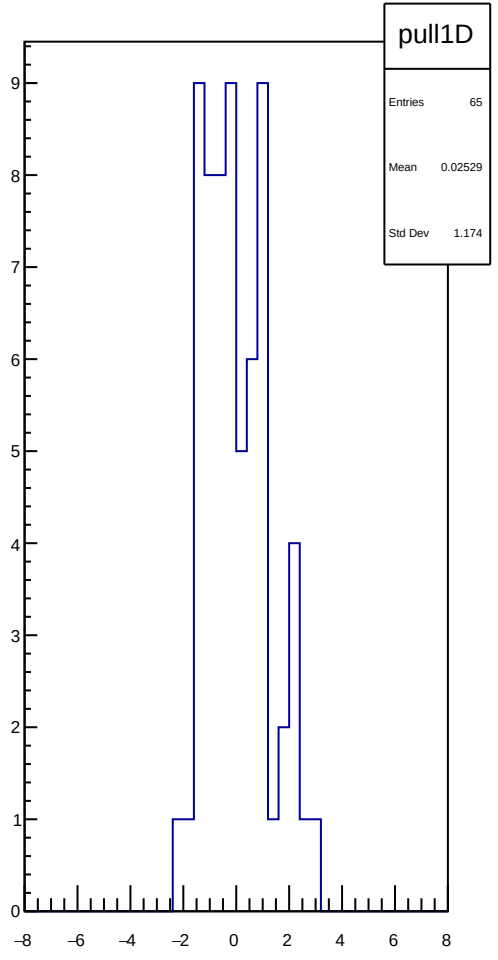


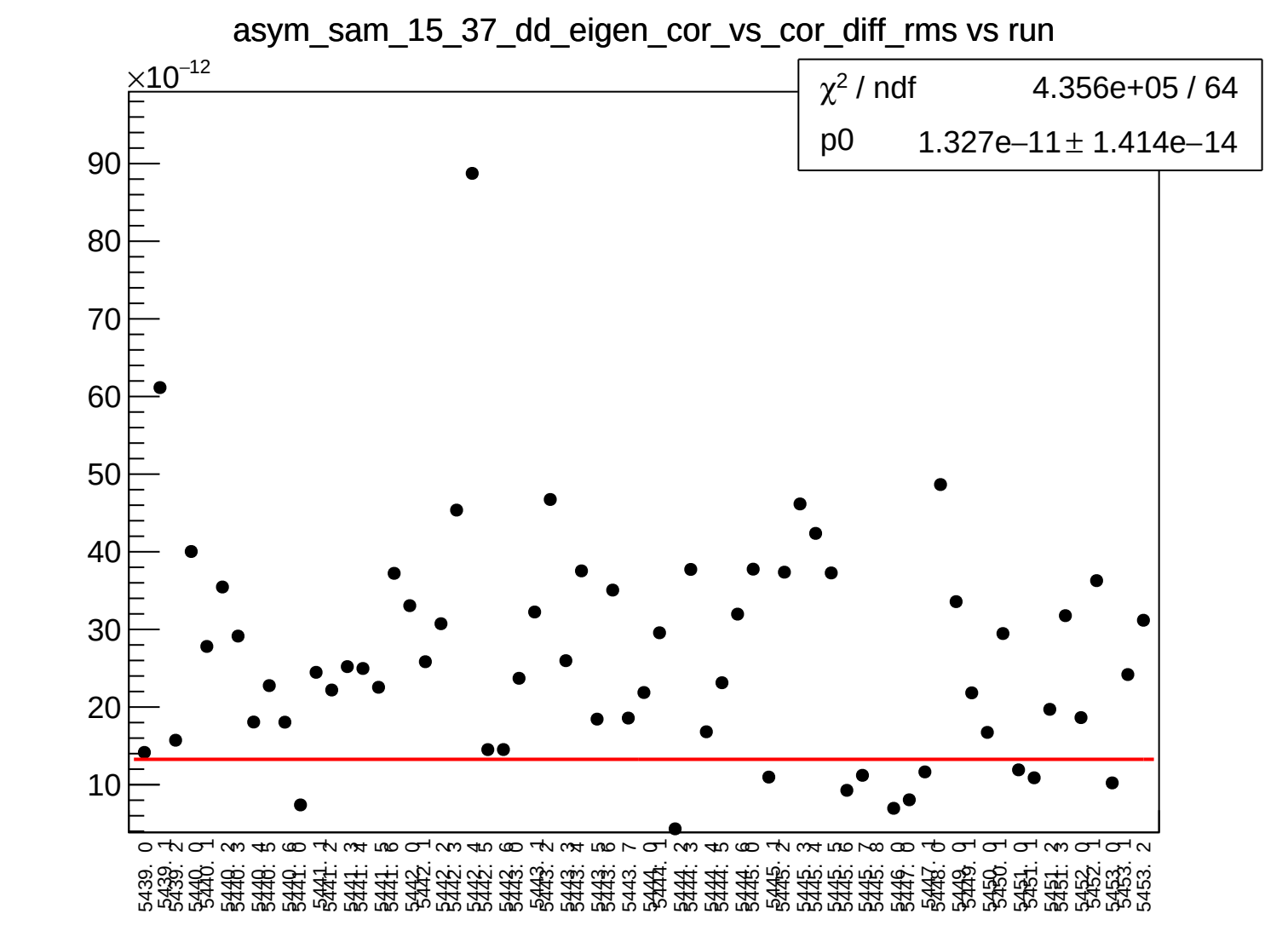


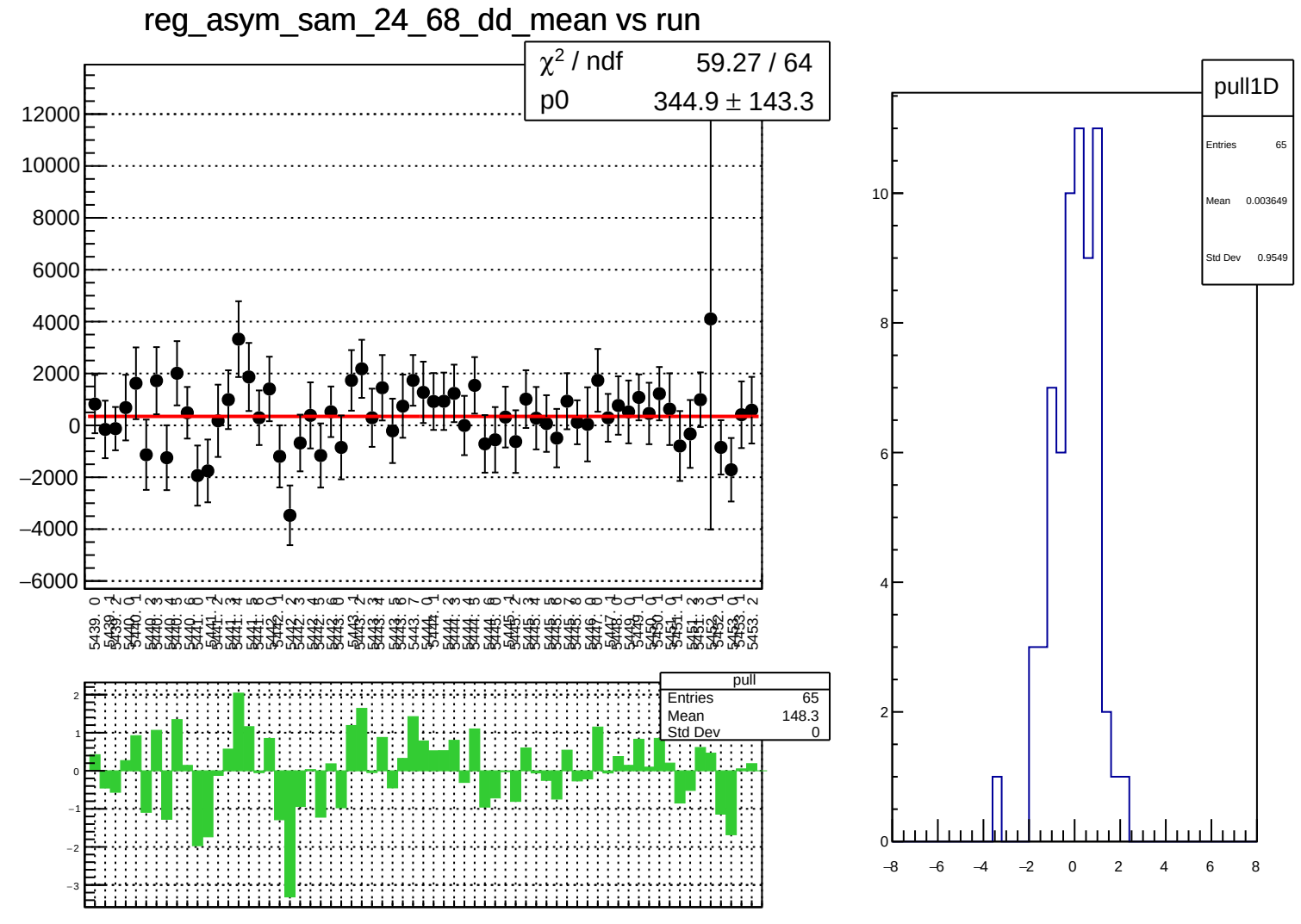


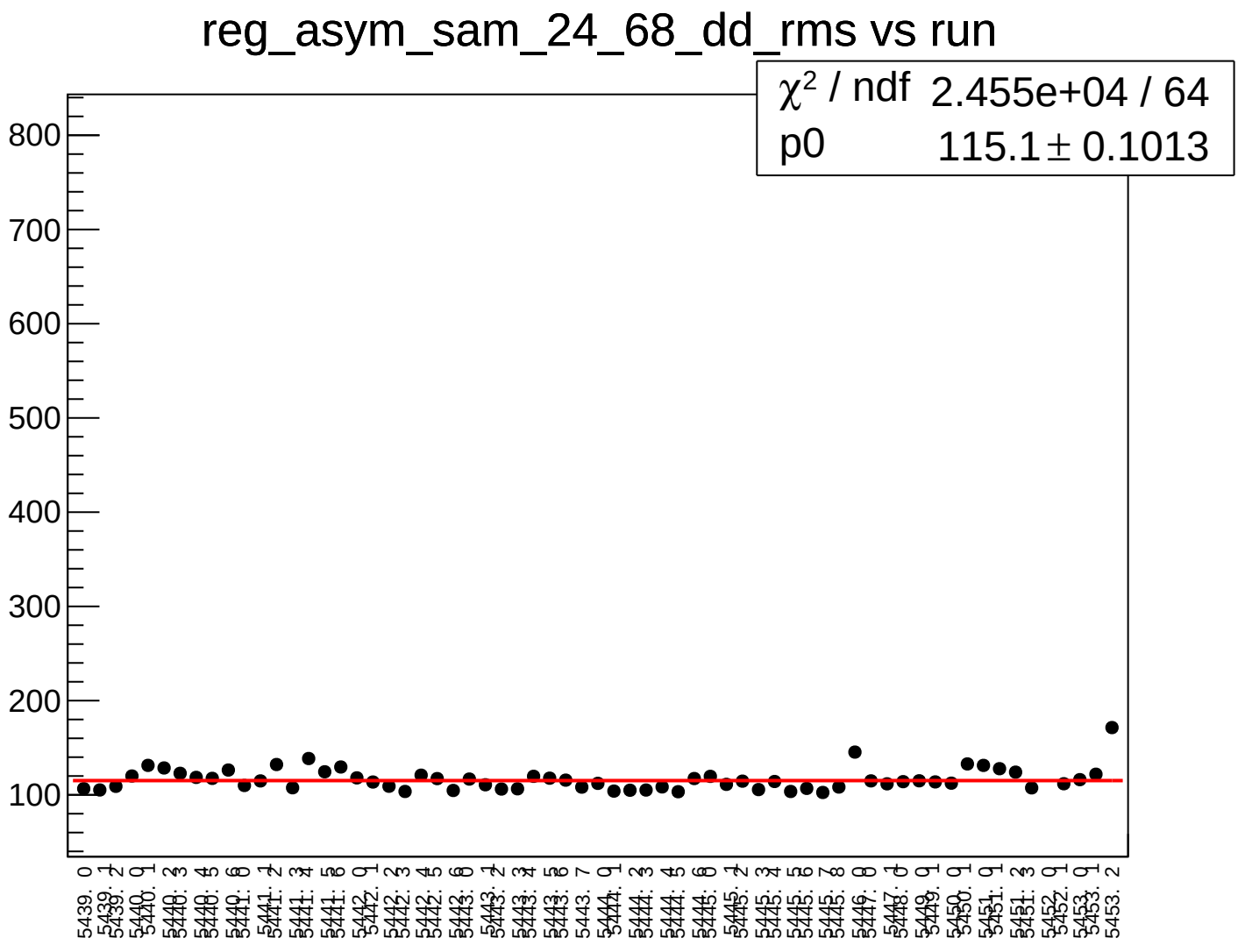

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.965e+05 / 64
p0 22.56 ± 0.02234
200
180
160
140
120
100
80
60
40
20

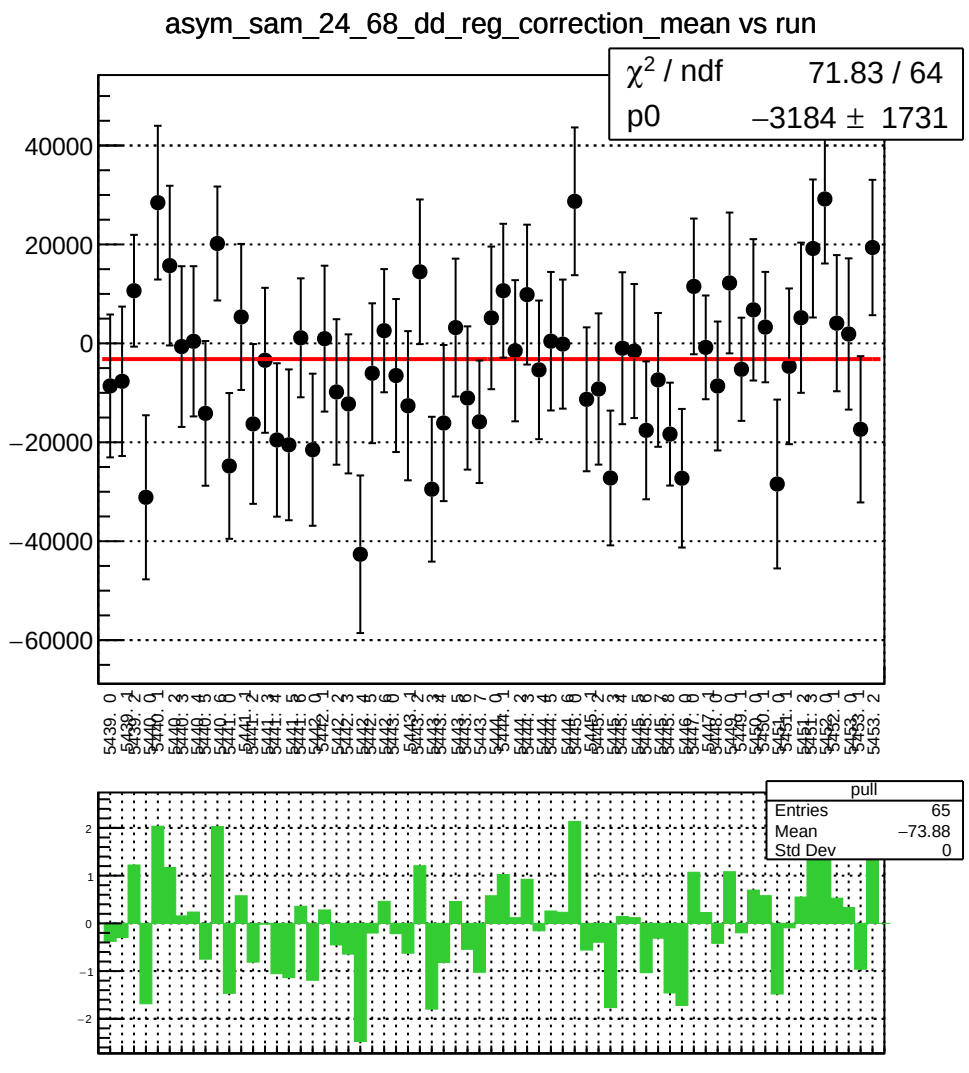

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.63 / 64
p0 −1.277e−14 ± 2e−14
pull
Entries 65
Mean −47.71
Std Dev 0

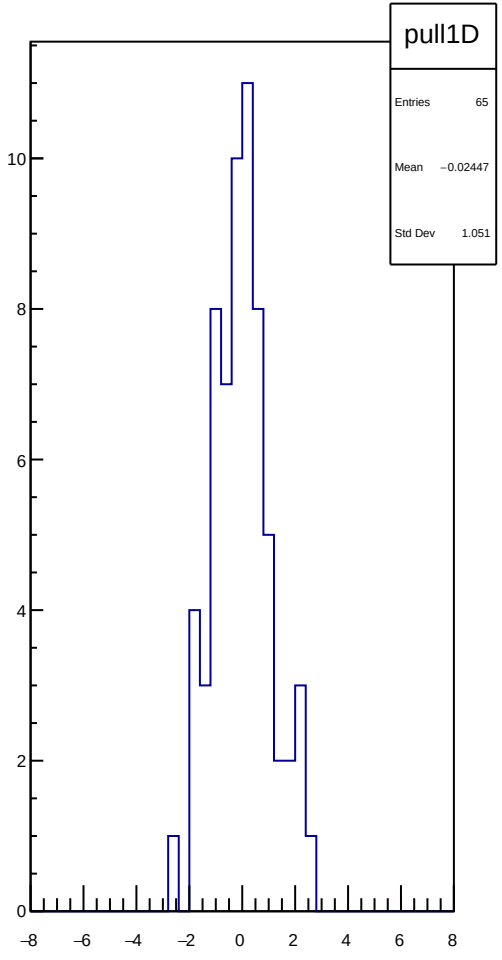

pull1D
Entries 65
Mean 0.02529
Std Dev 1.174

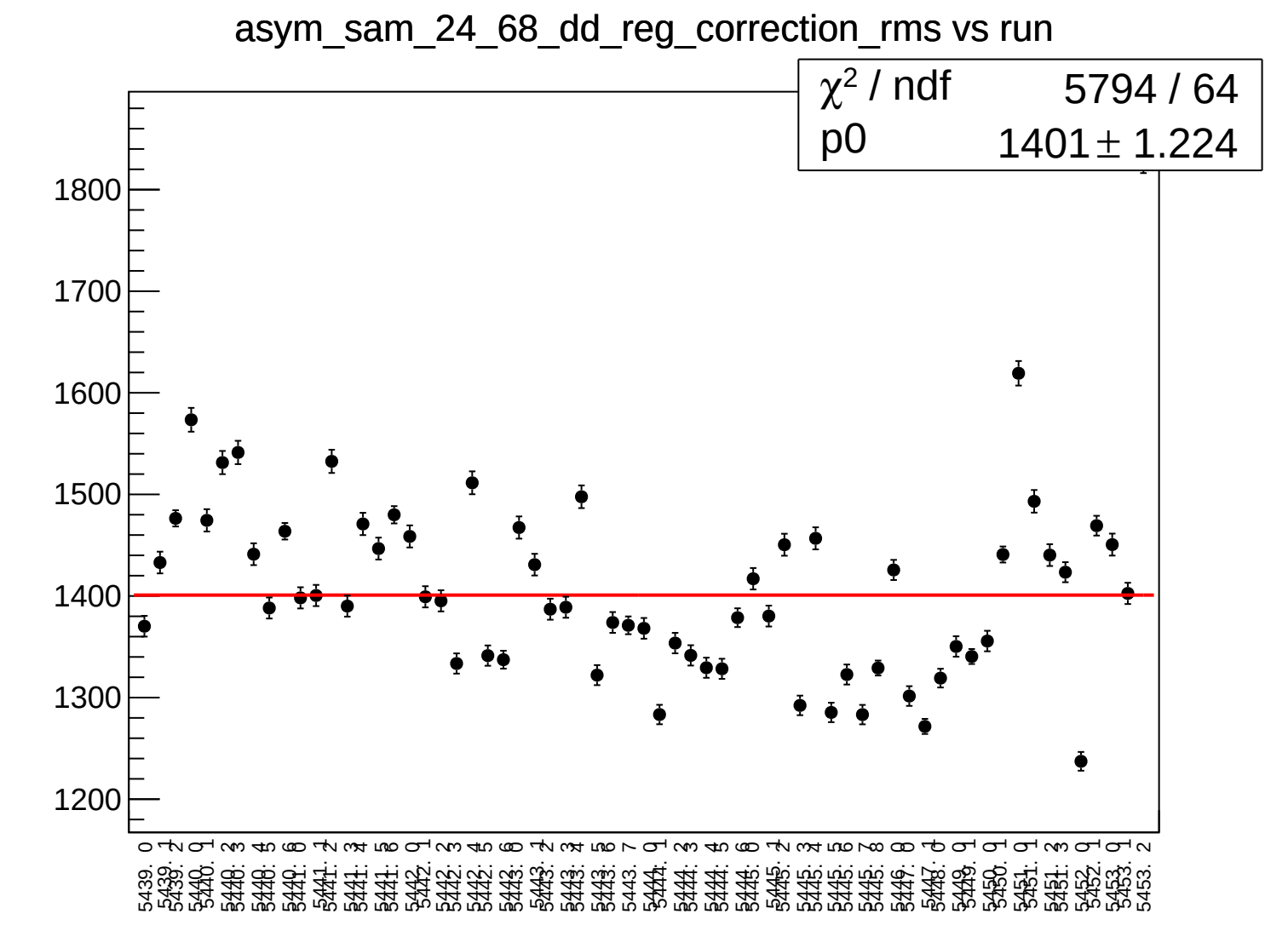

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.356e+05 / 64
p0 1.327e−11 ± 1.414e−14
90
80
70
60
50
40
30
20
10

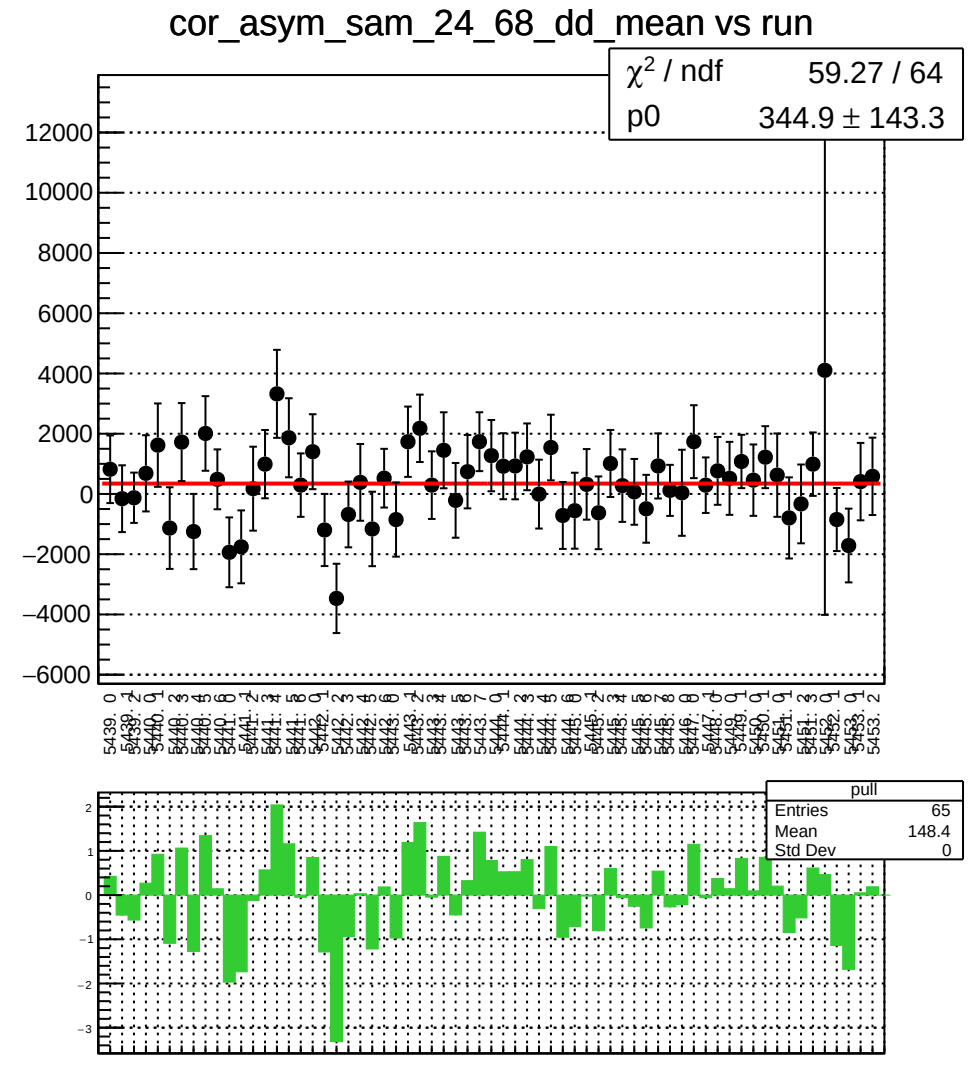

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 59.27 / 64
p0 344.9 ± 143.3
pull
Entries 65
Mean 148.3
Std Dev 0
pull1D
Entries 65
Mean 0.003649
Std Dev 0.9549

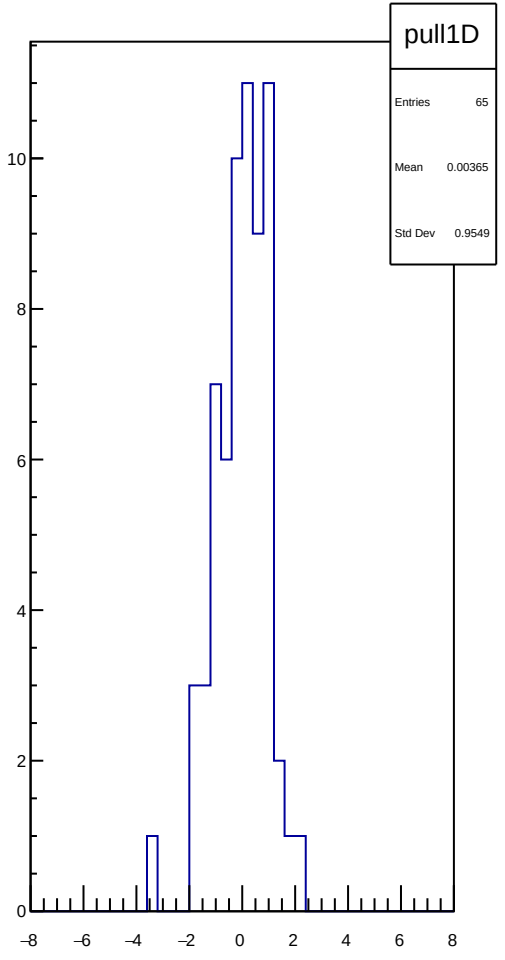

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.455e+04 / 64
p0 115.1 ± 0.1013
800
700
600
500
400
300
200
100

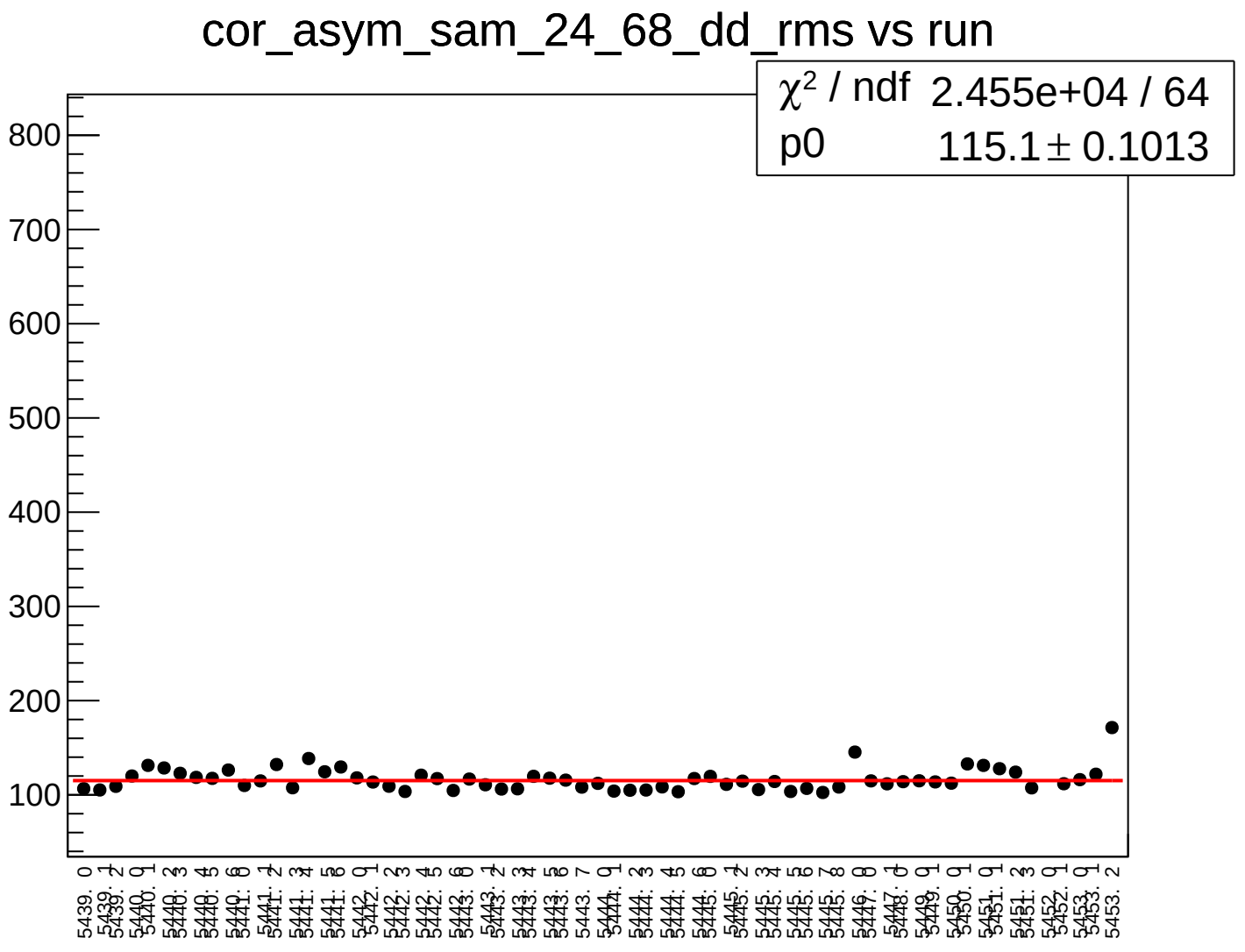

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 71.83 / 64
p0 −3184 ± 1731
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −73.88
Std Dev 0
2
1
0
−1
−2

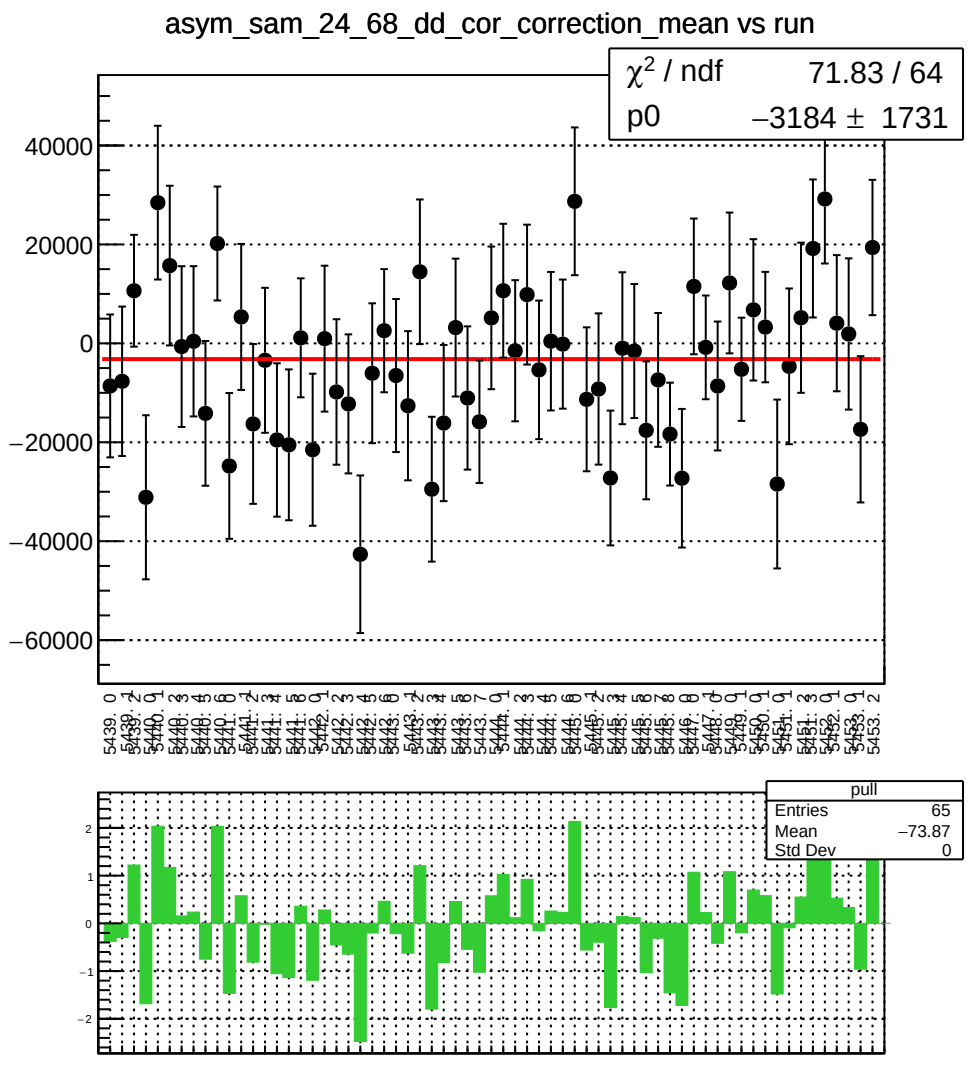

pull1D
Entries 65
Mean −0.02447
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

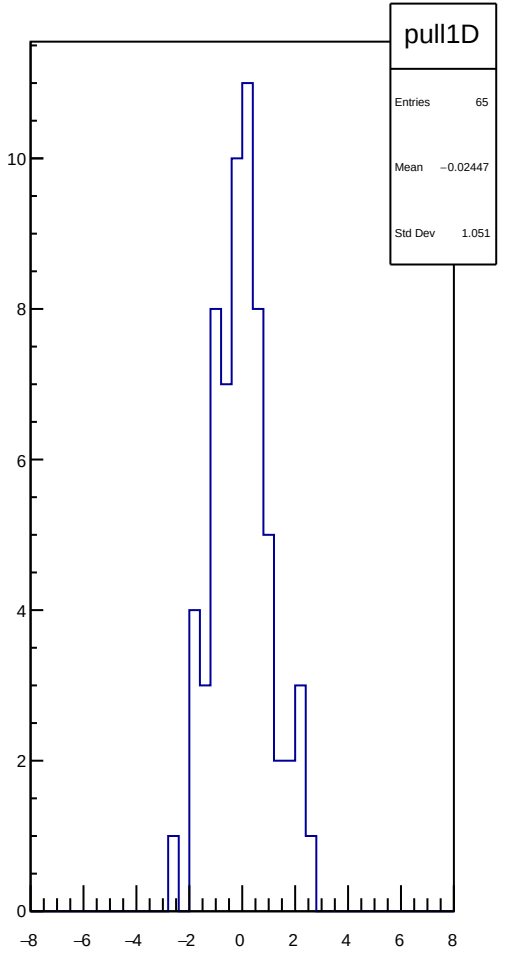

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 5794 / 64
p0 1401 ± 1.224
1800
1700
1600
1500
1400
1300
1200

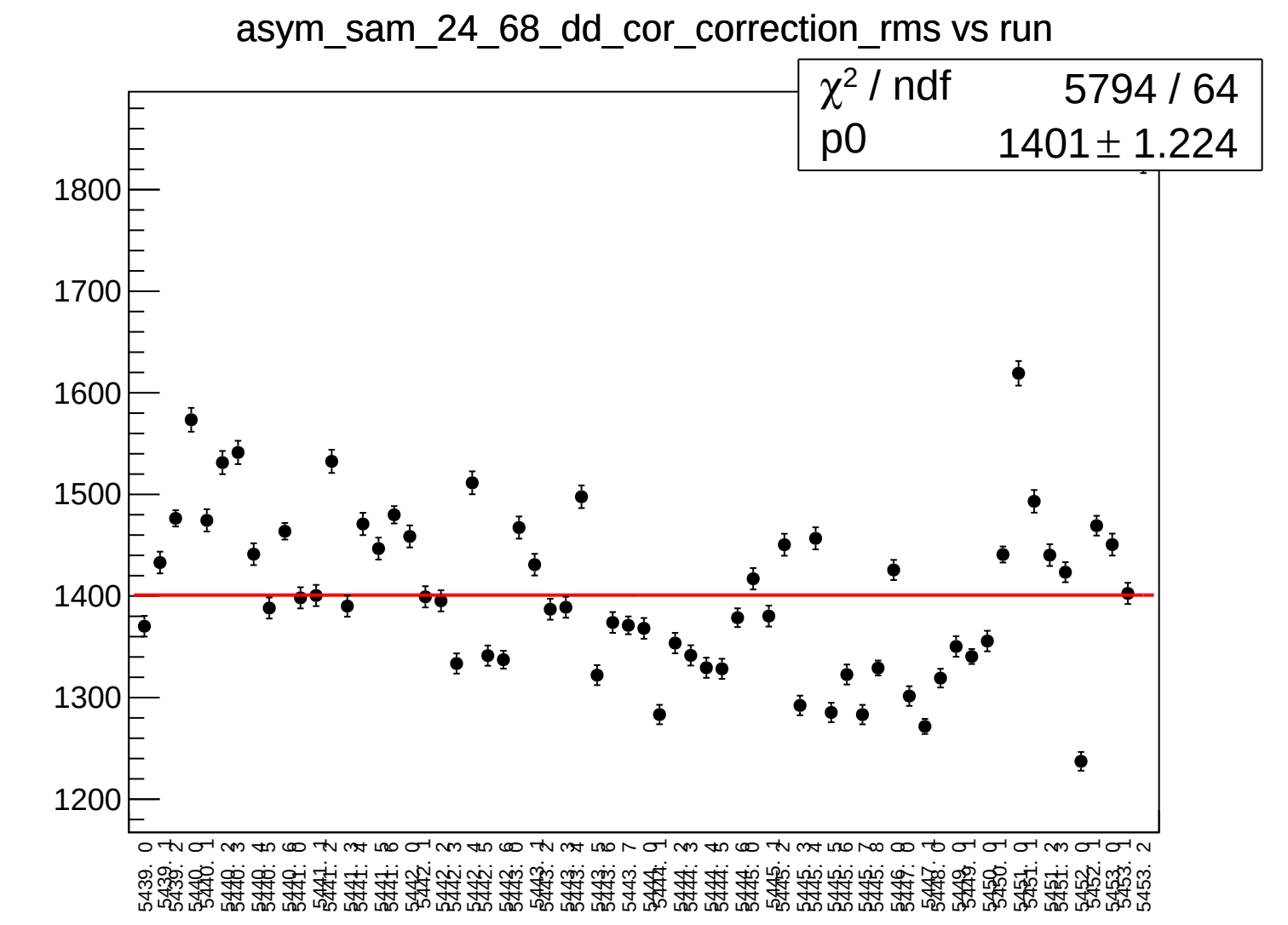

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 59.27 / 64
p0 344.9 ± 143.3
pull
Entries 65
Mean 148.4
Std Dev 0

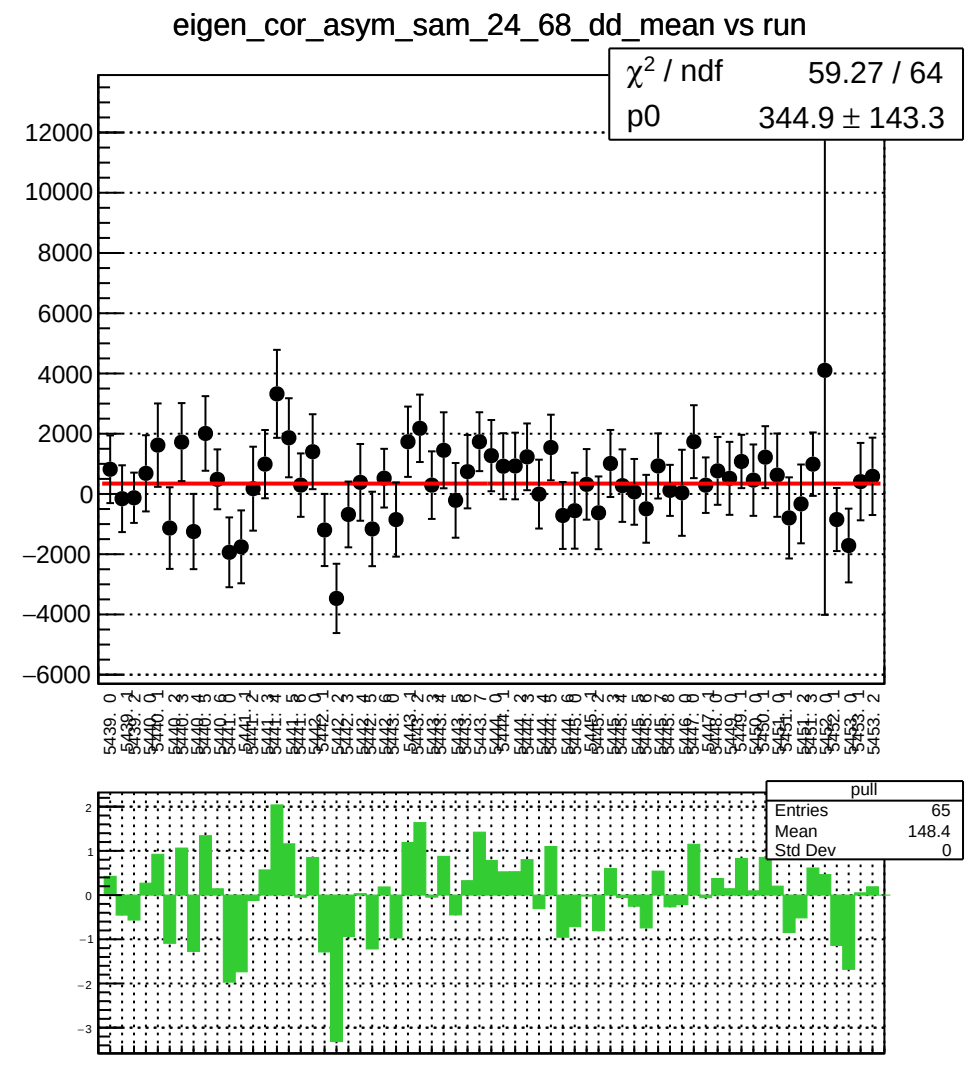

pull1D
Entries 65
Mean 0.00365
Std Dev 0.9549

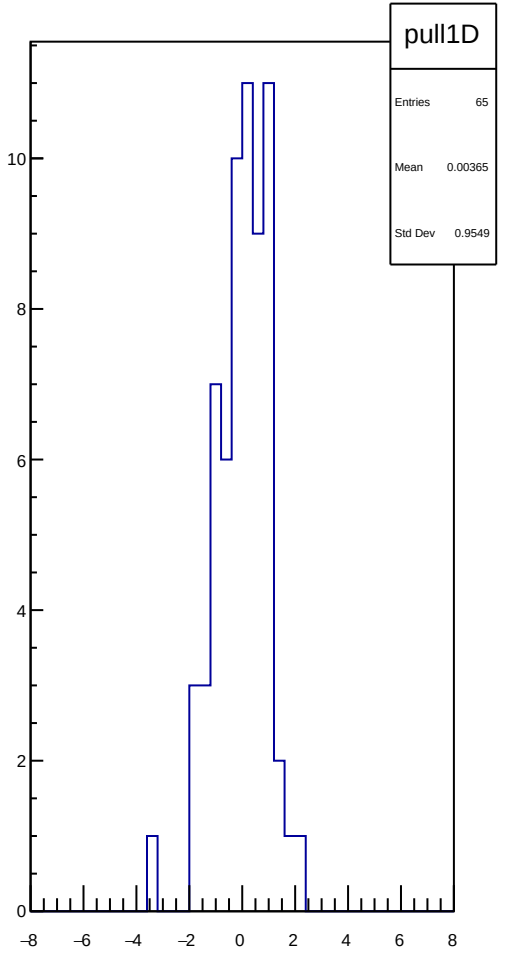

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.455e+04 / 64
p0 115.1 ± 0.1013
800
700
600
500
400
300
200
100

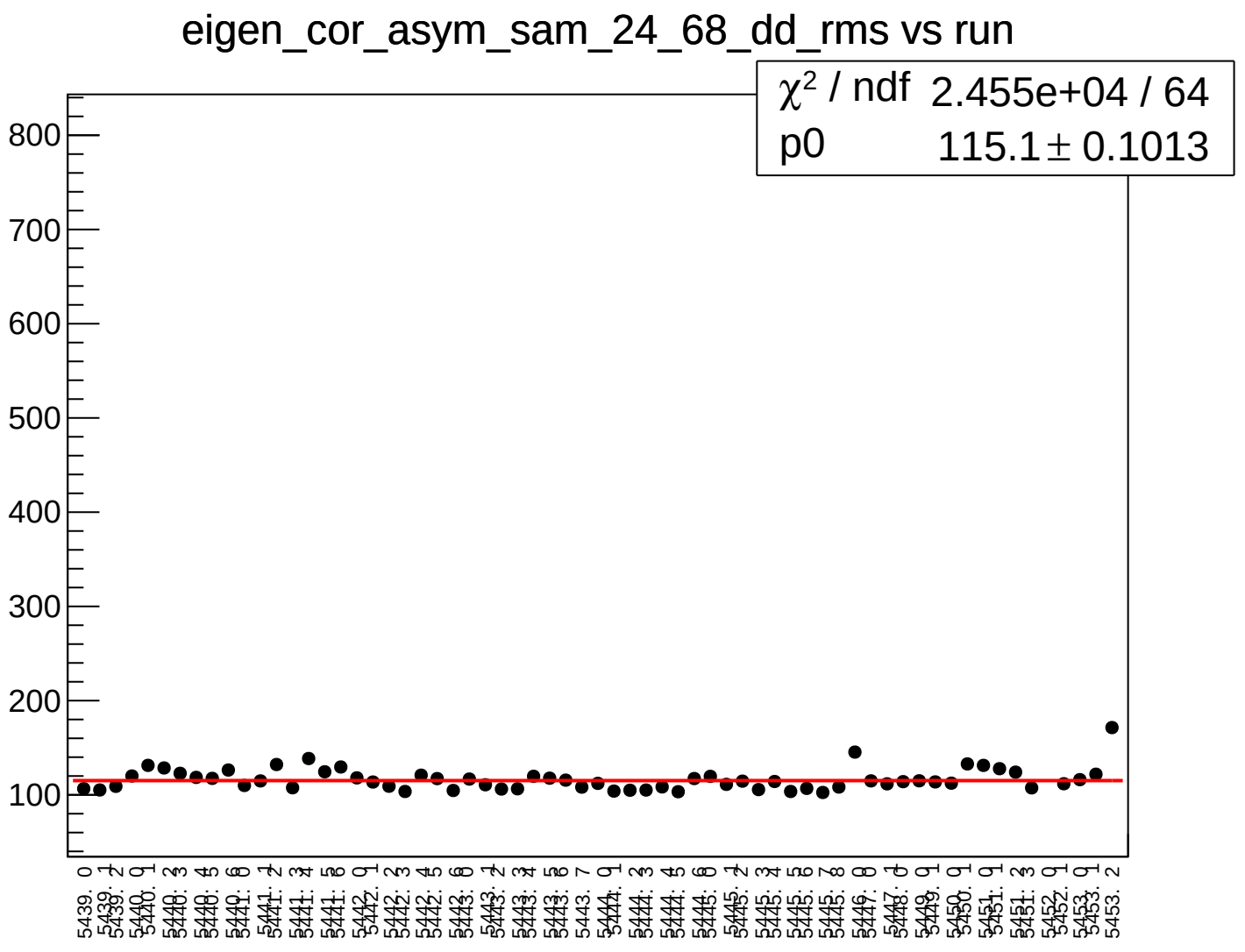

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 71.83 / 64
p0 −3184 ± 1731
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −73.87
Std Dev 0
2
1
0
−1
−2

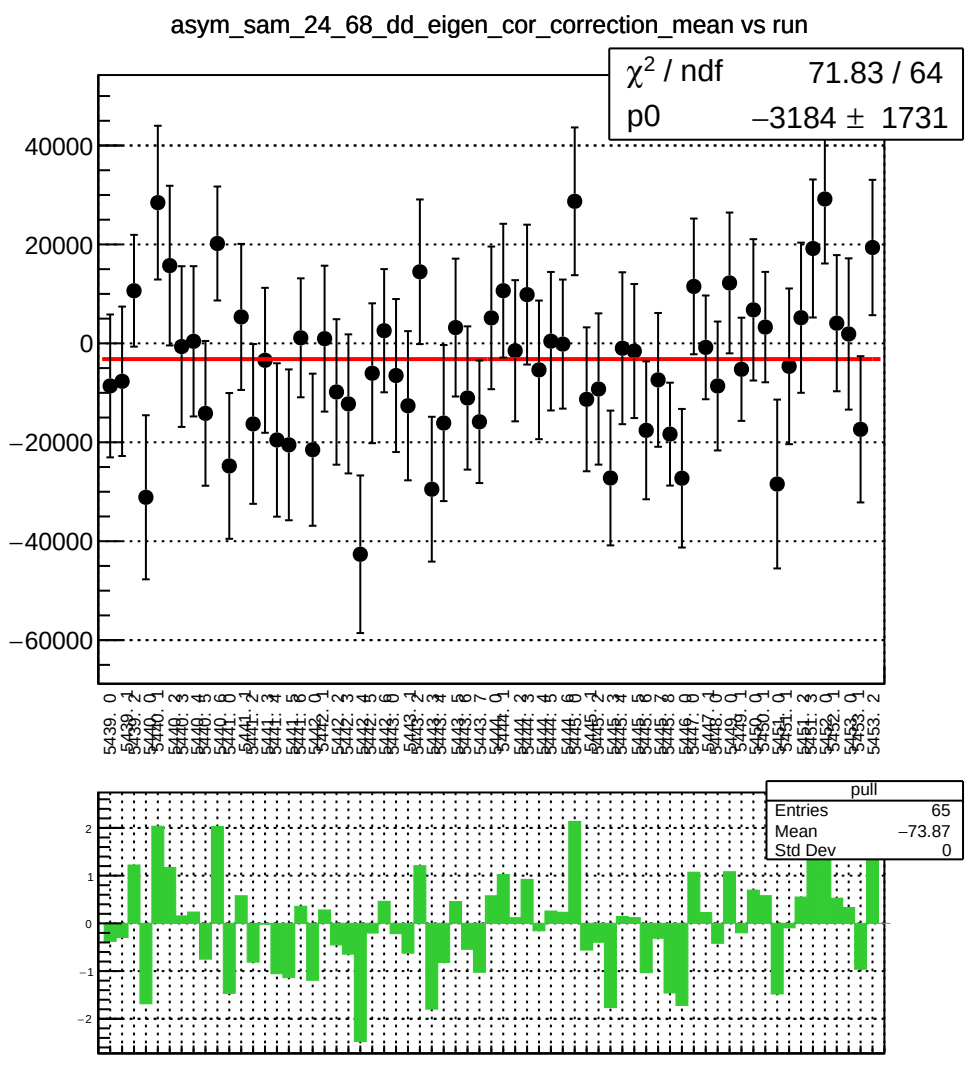

pull1D
Entries 65
Mean −0.02447
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

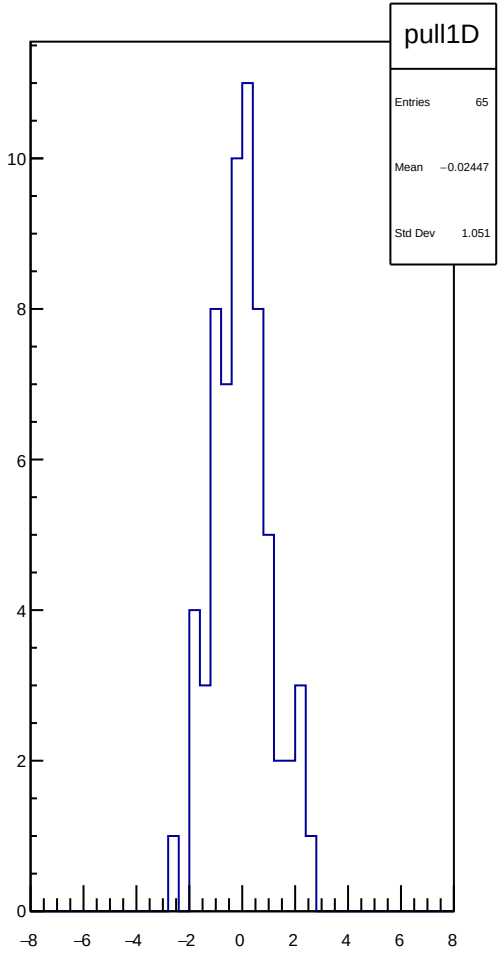

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 5794 / 64
p0 1401 ± 1.224
1800
1700
1600
1500
1400
1300
1200

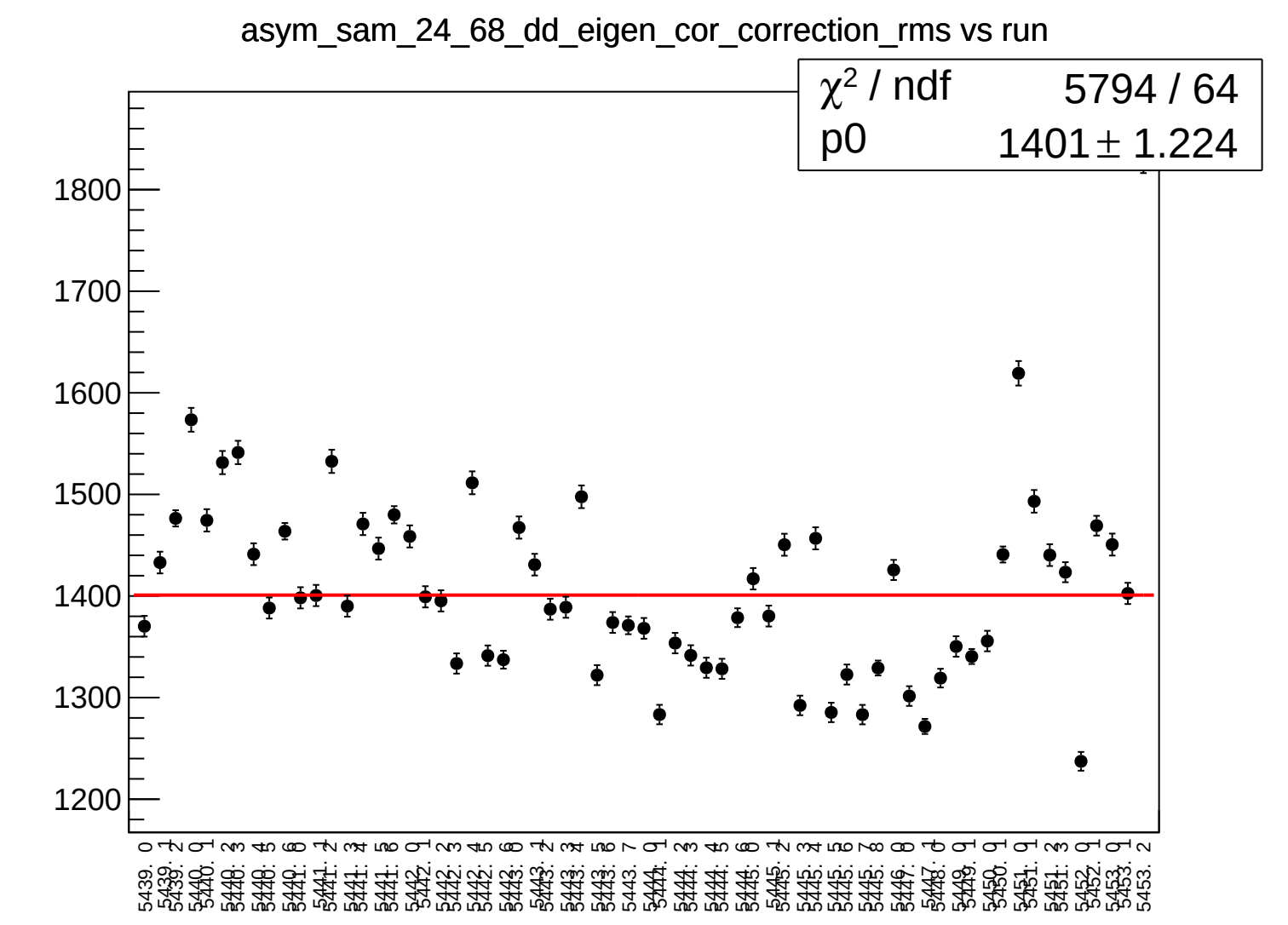

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 59.27 / 64
p0 344.9 ± 143.3
pull
Entries 65
Mean 148.4
Std Dev 0

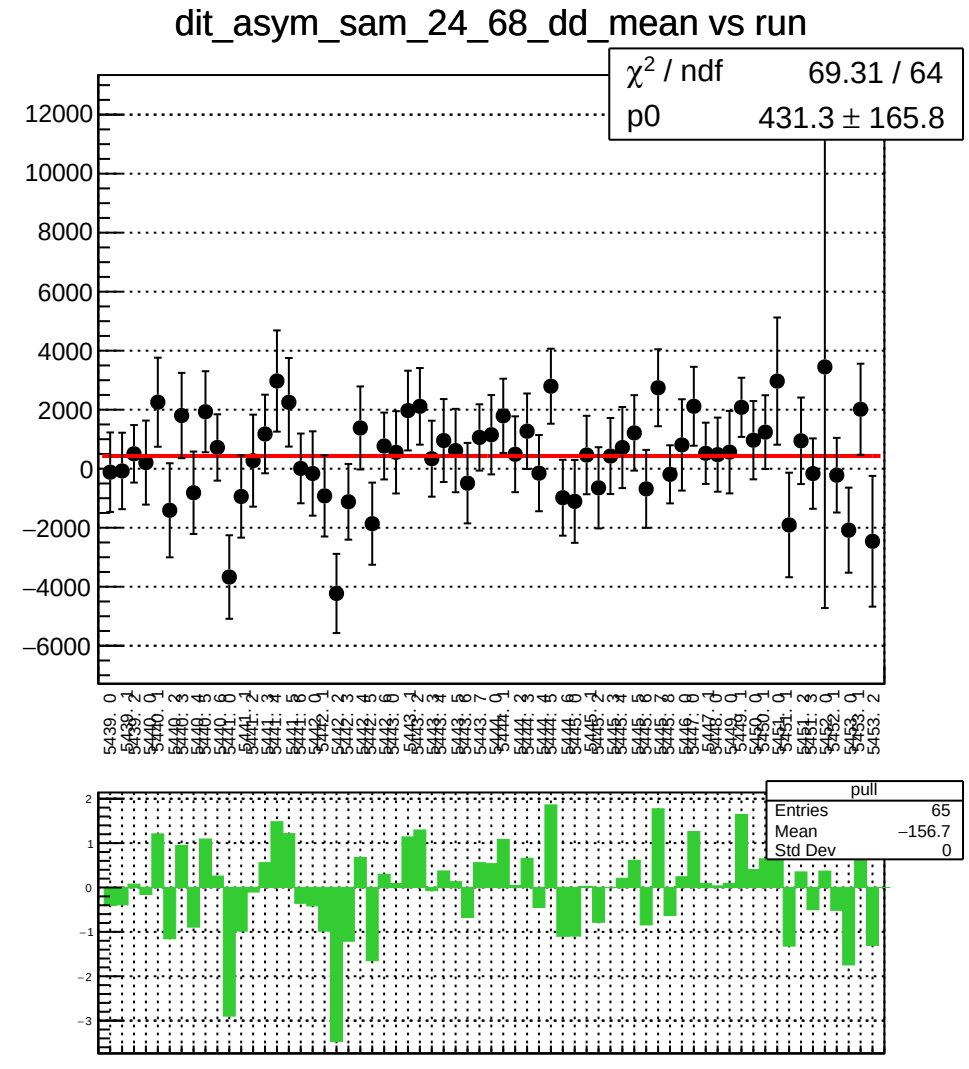

pull1D
Entries 65
Mean 0.00365
Std Dev 0.9549

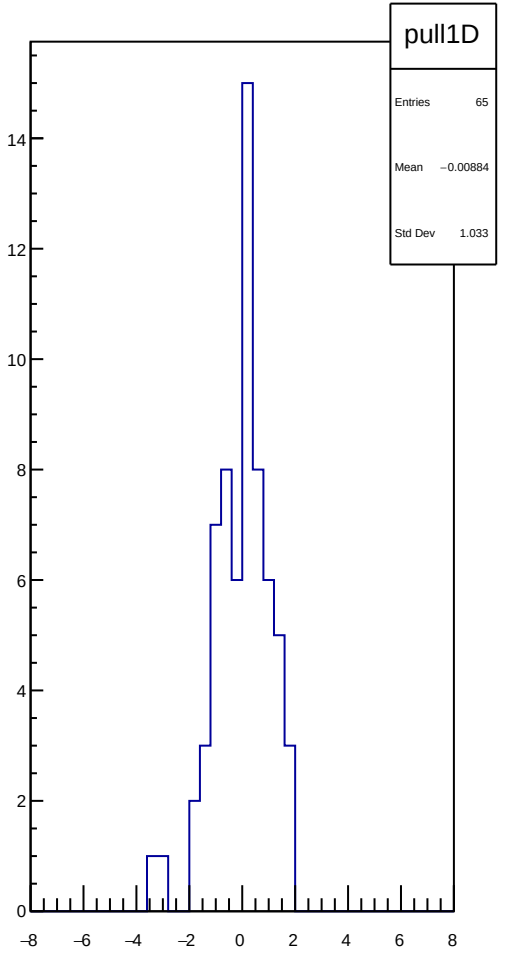

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.455e+04 / 64
p0 115.1 ± 0.1013
800
700
600
500
400
300
200
100

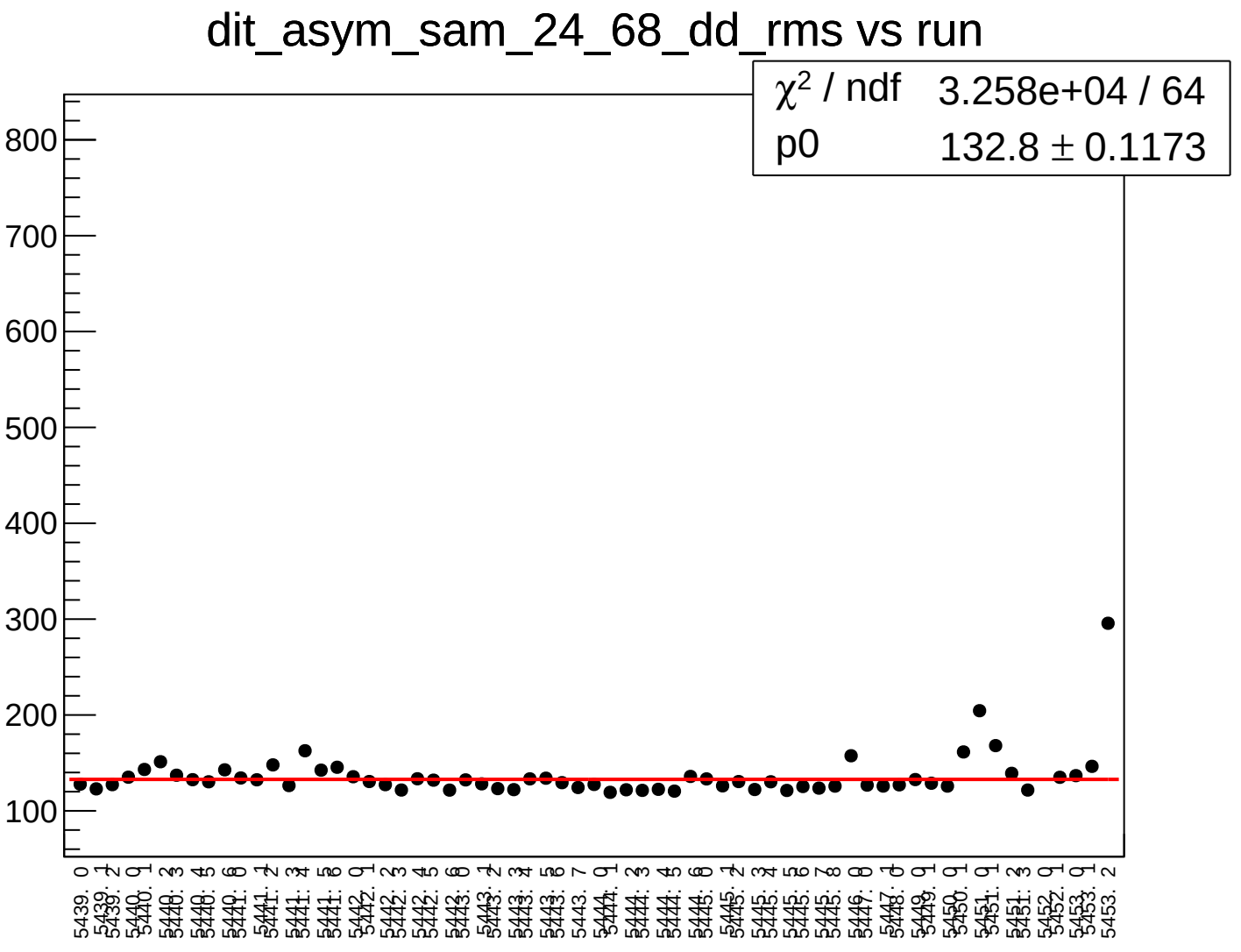

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.83 / 64
p0 −3184 ± 1731
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −73.87
Std Dev 0
2
1
0
−1
−2

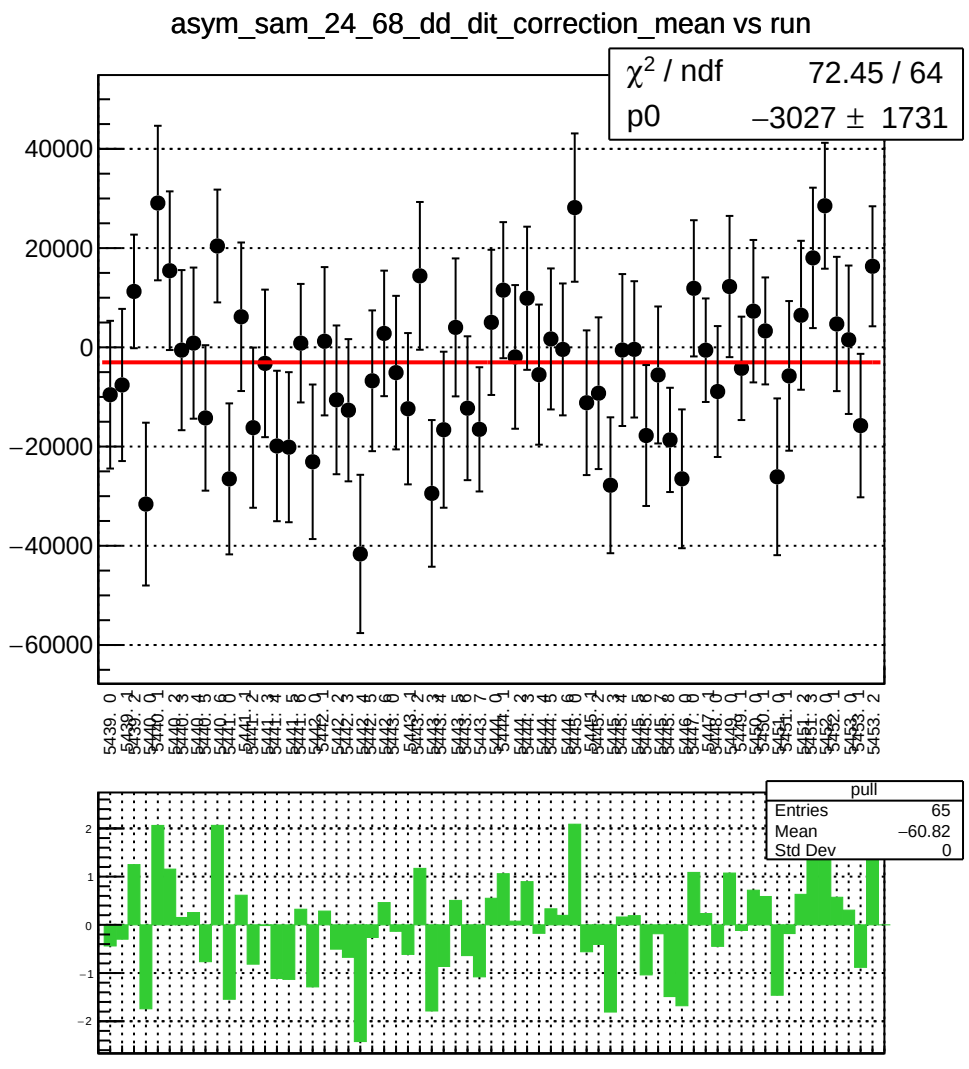

pull1D
Entries 65
Mean −0.02447
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

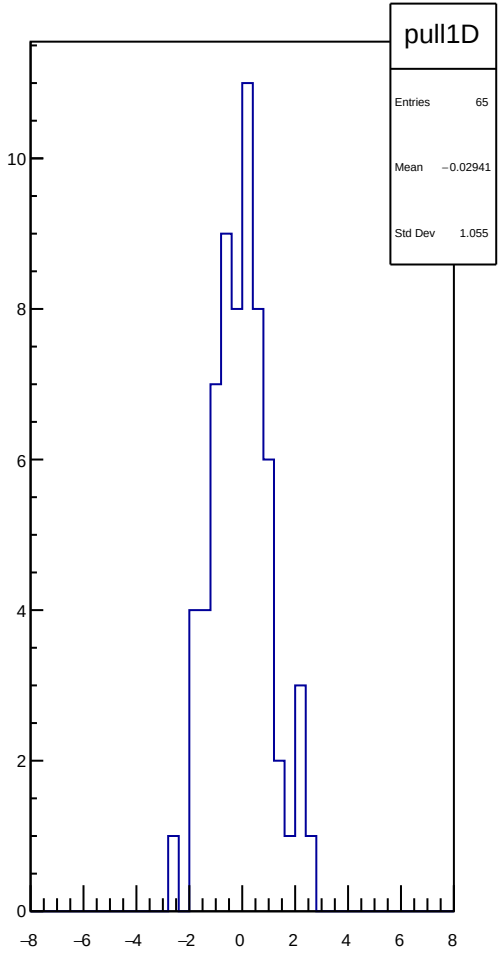

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 5794 / 64
p0 1401 ± 1.224
1800
1700
1600
1500
1400
1300
1200

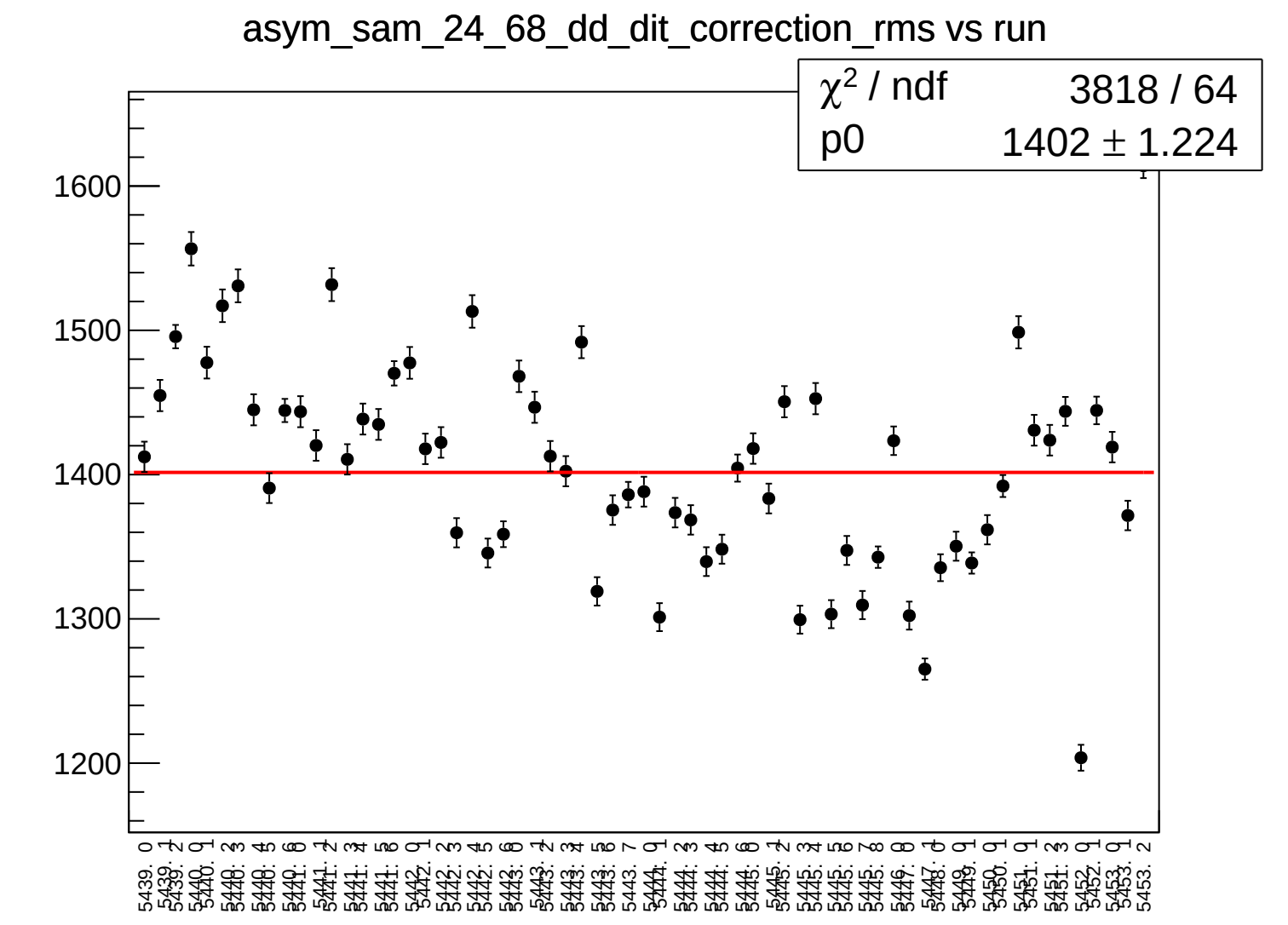

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 69.31 / 64
p0 431.3 ± 165.8
pull
Entries 65
Mean −156.7
Std Dev 0

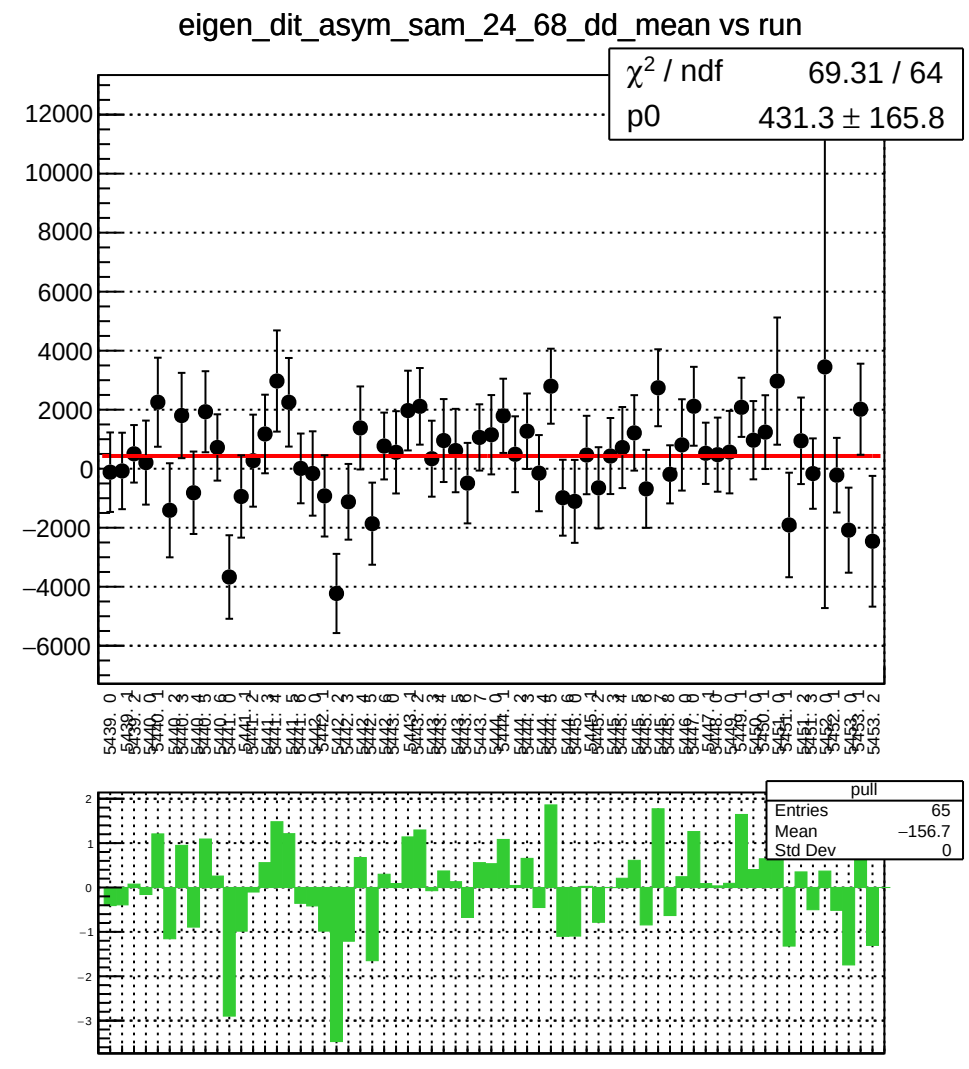

pull1D
Entries 65
Mean −0.00884
Std Dev 1.033

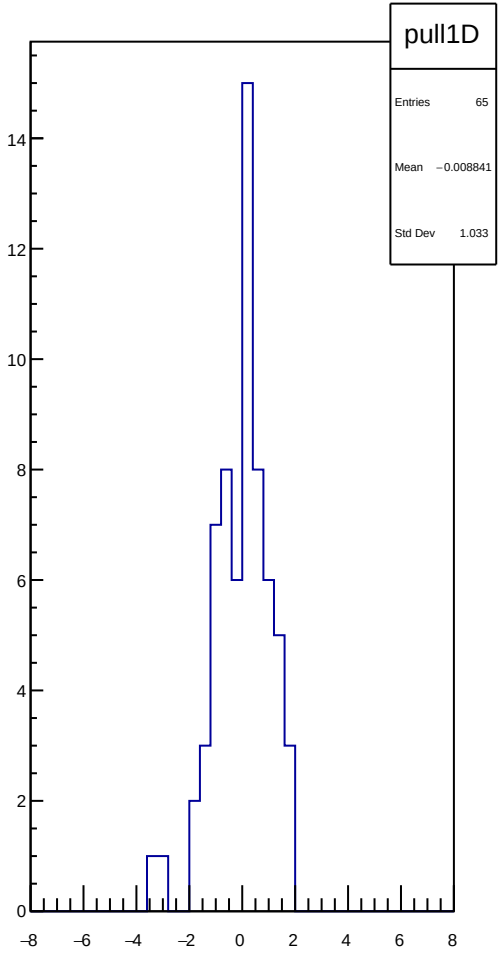

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 3.258e+04 / 64
p0 132.8 ± 0.1173
800
700
600
500
400
300
200
100

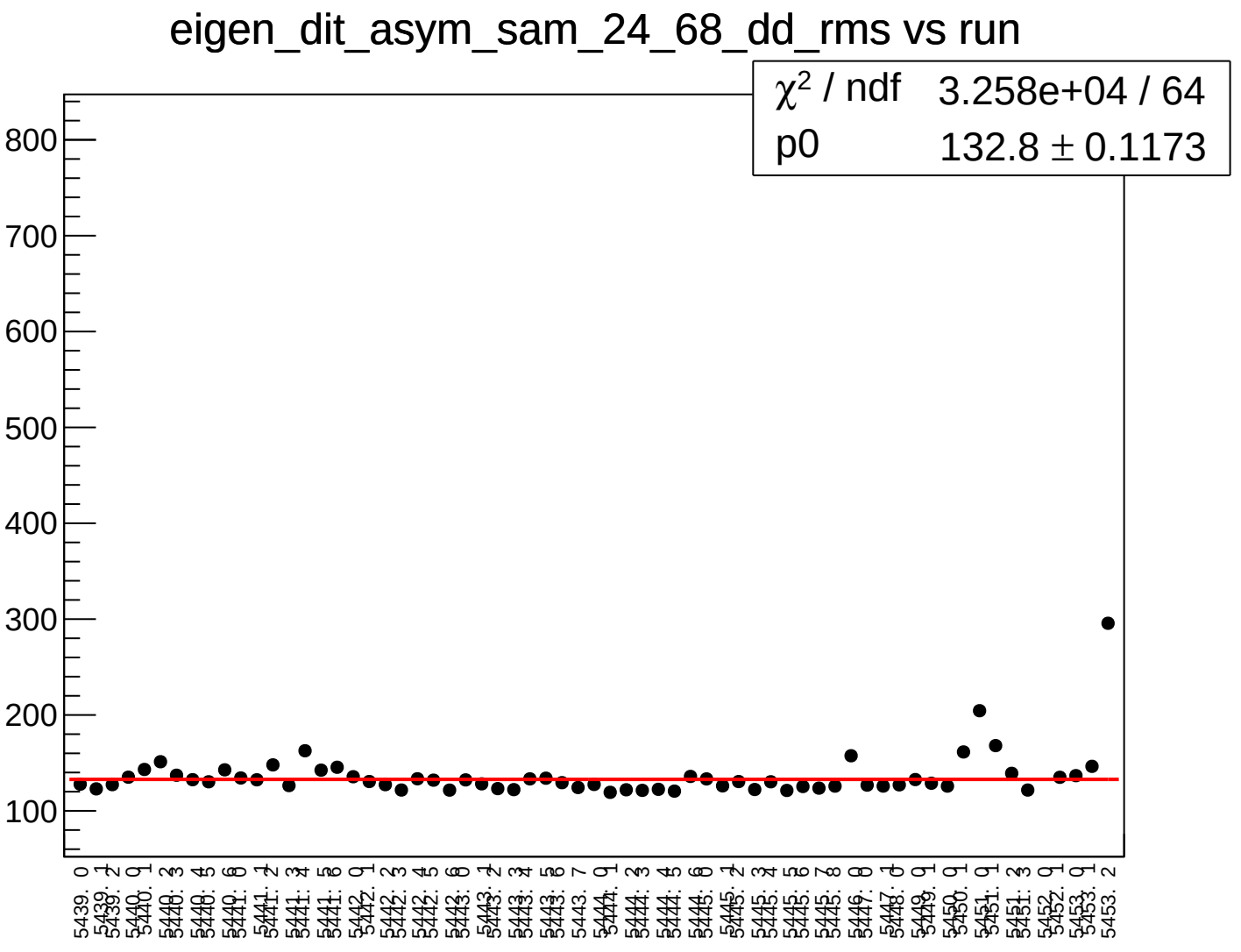

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 72.45 / 64
p0 −3027 ± 1731
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −60.82
Std Dev 0
2
1
0
−1
−2

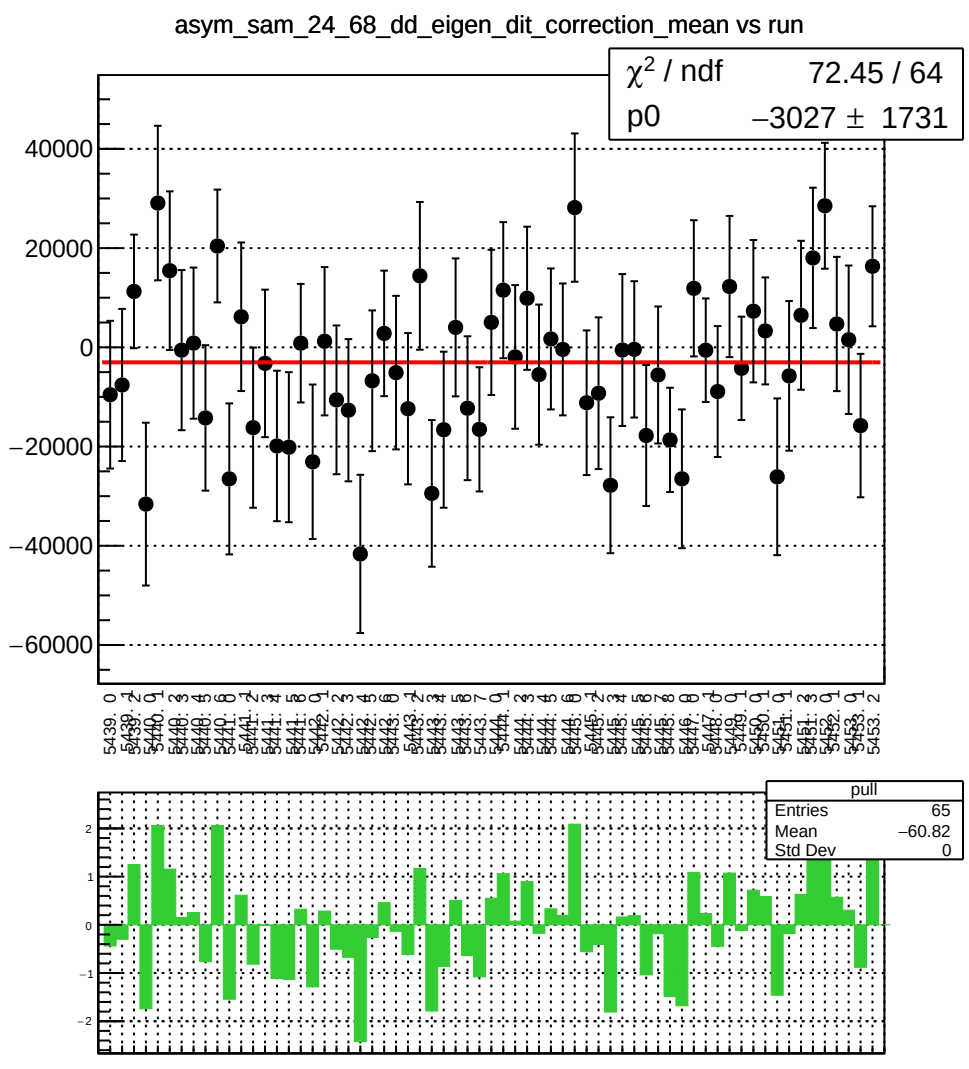

pull1D
Entries 65
Mean −0.02941
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

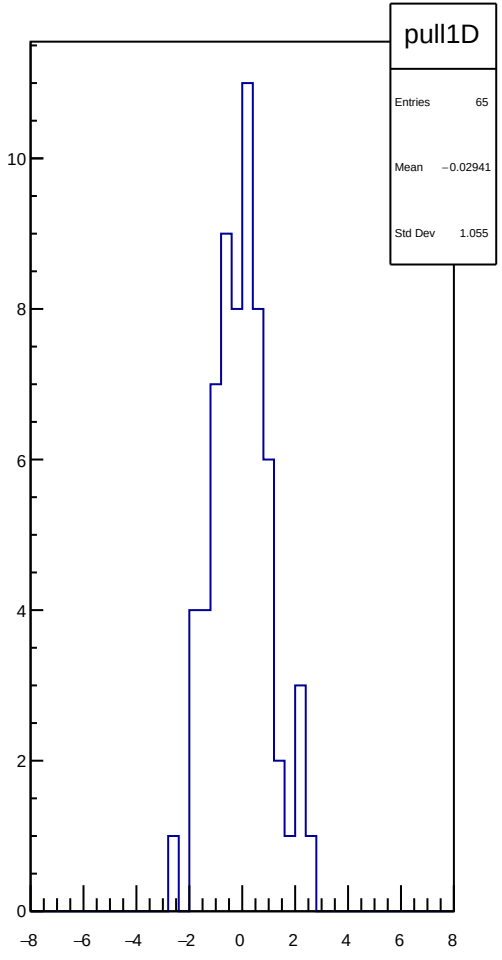

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 3818 / 64
p0 1402 ± 1.224
1600
1500
1400
1300
1200

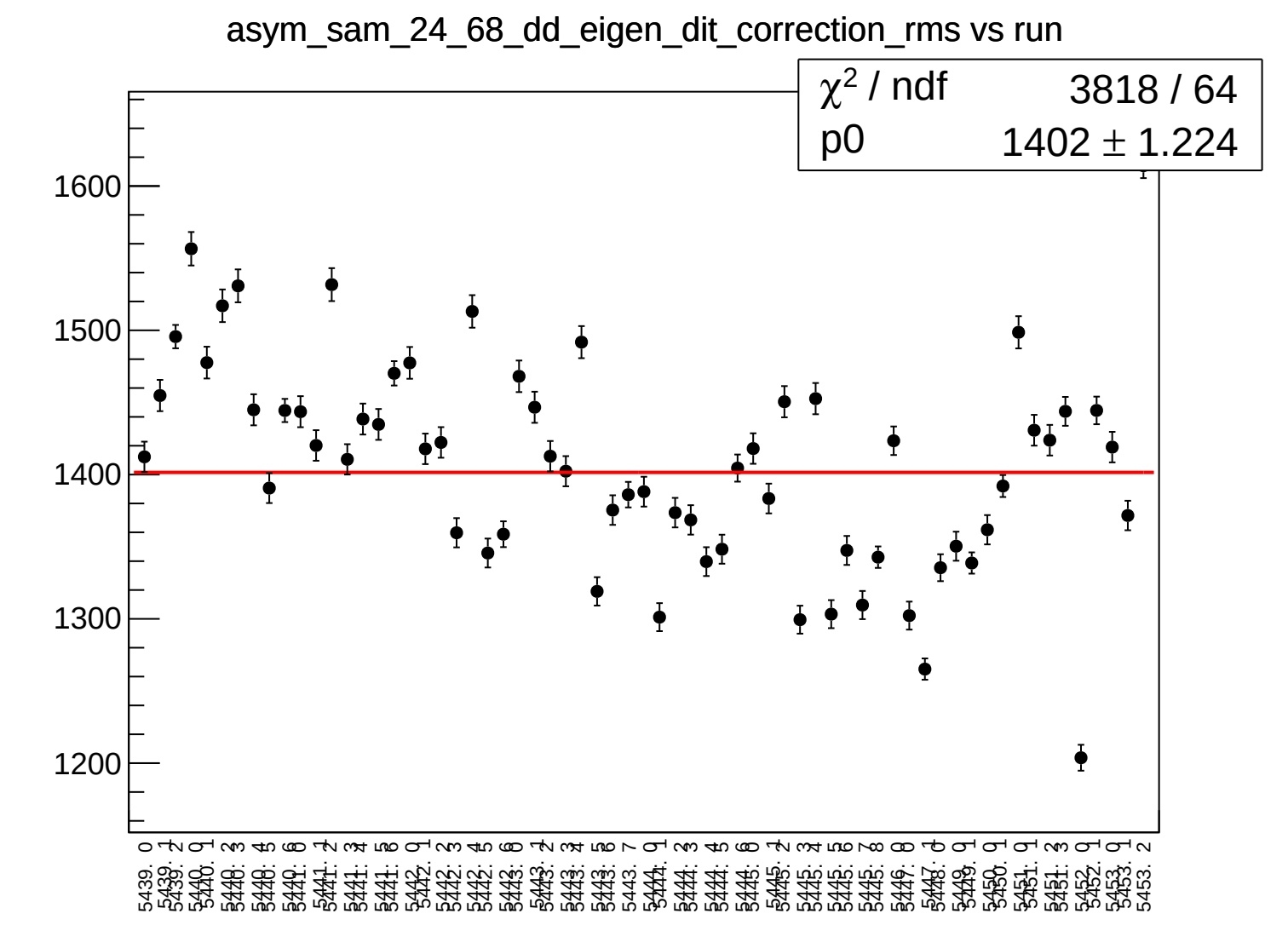

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 69.31 / 64
p0 431.3 ± 165.8
pull
Entries 65
Mean −156.7
Std Dev 0

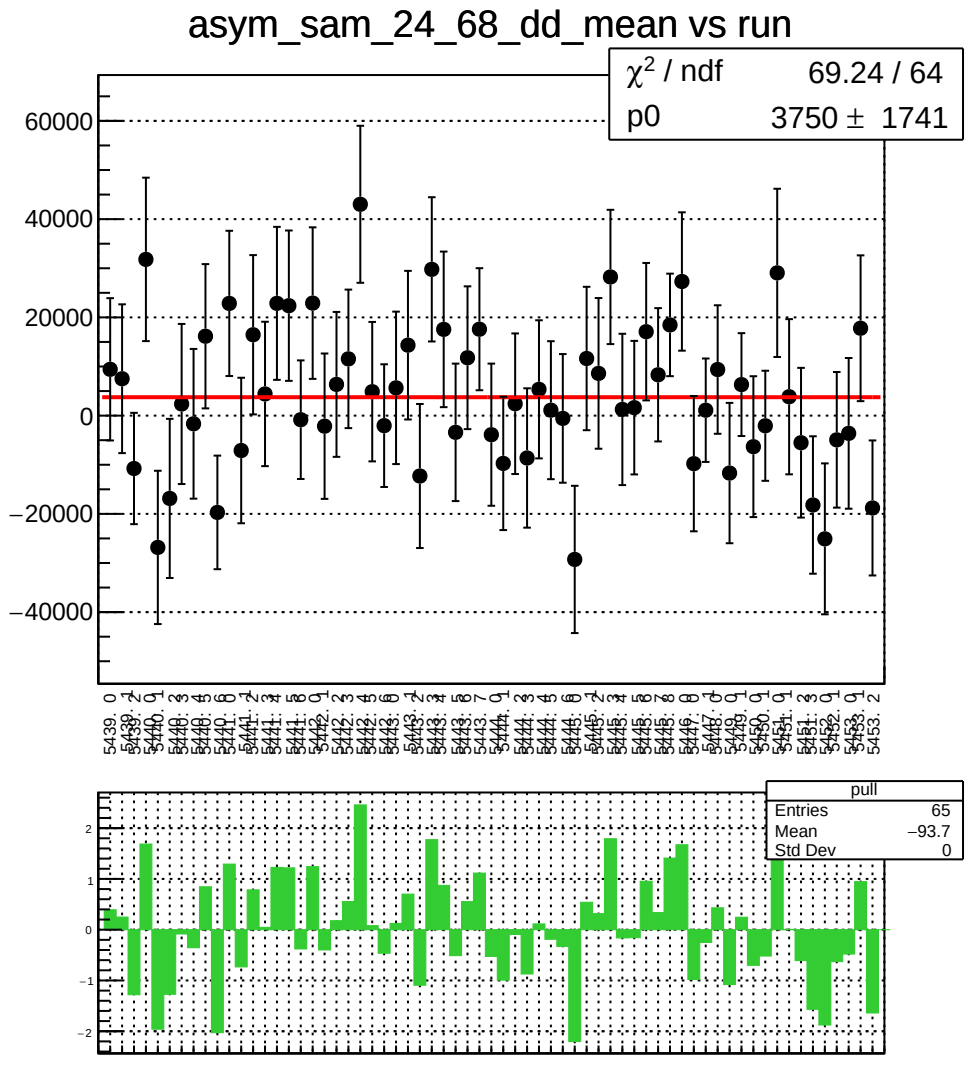

pull1D
Entries 65
Mean −0.008841
Std Dev 1.033

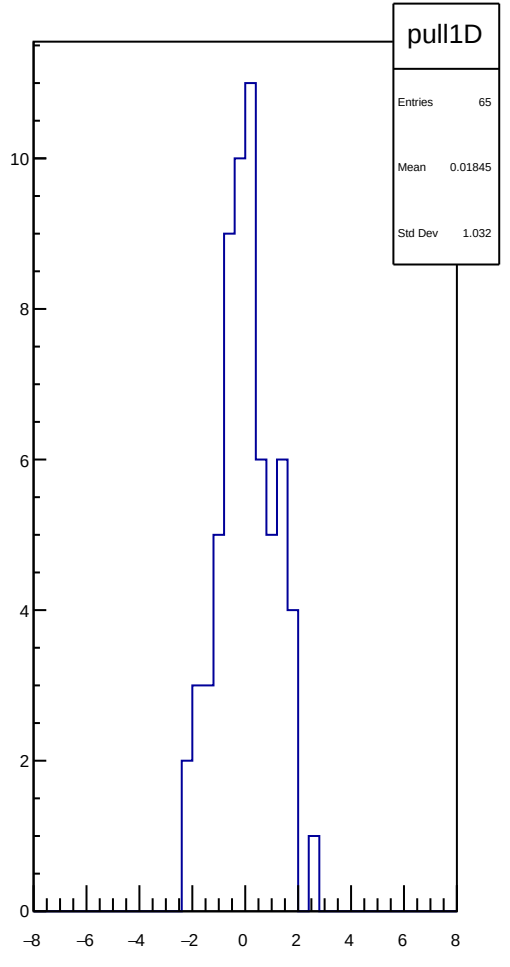

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 3.258e+04 / 64
p0 132.8 ± 0.1173
800
700
600
500
400
300
200
100

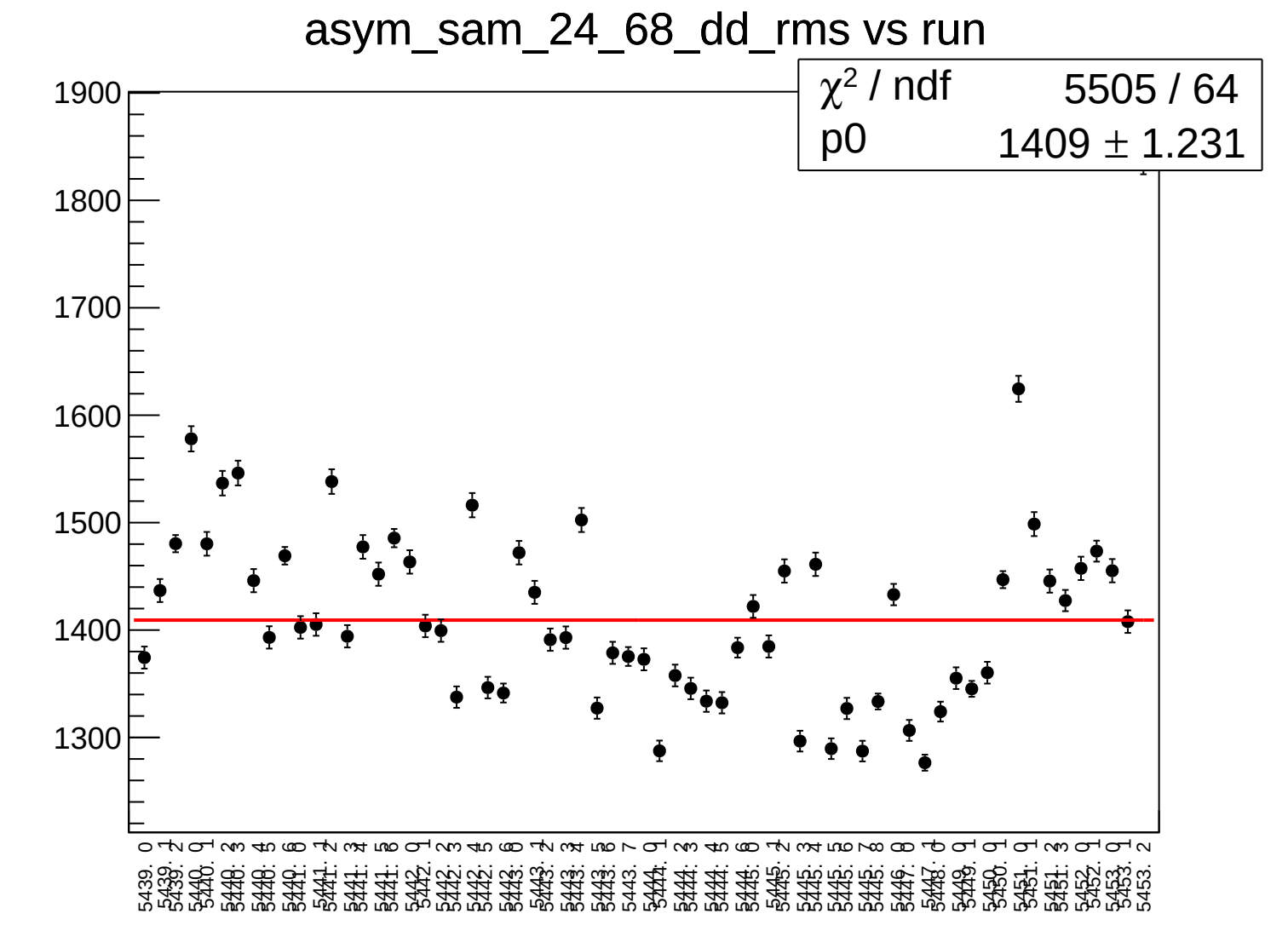

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 72.45 / 64
p0 −3027 ± 1731
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −60.82
Std Dev 0
2
1
0
−1
−2

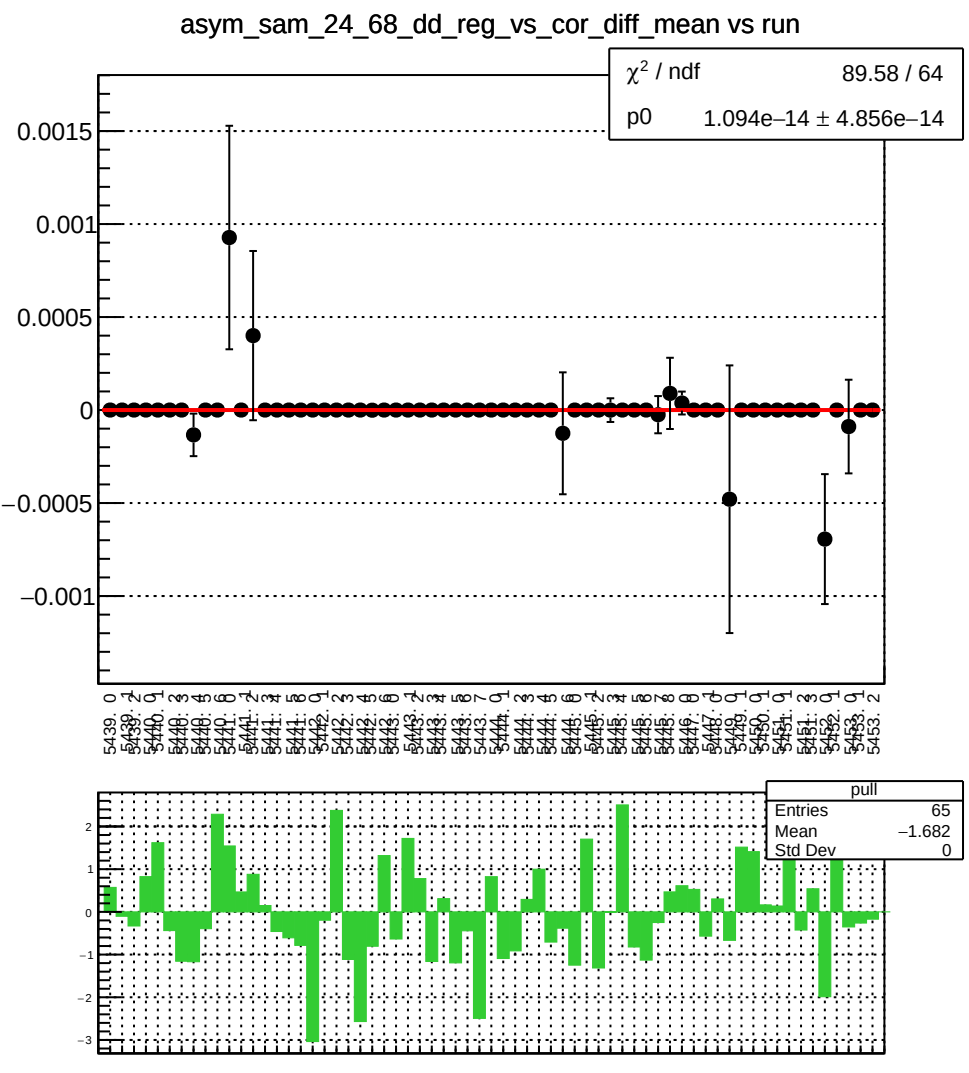

pull1D
Entries 65
Mean −0.02941
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

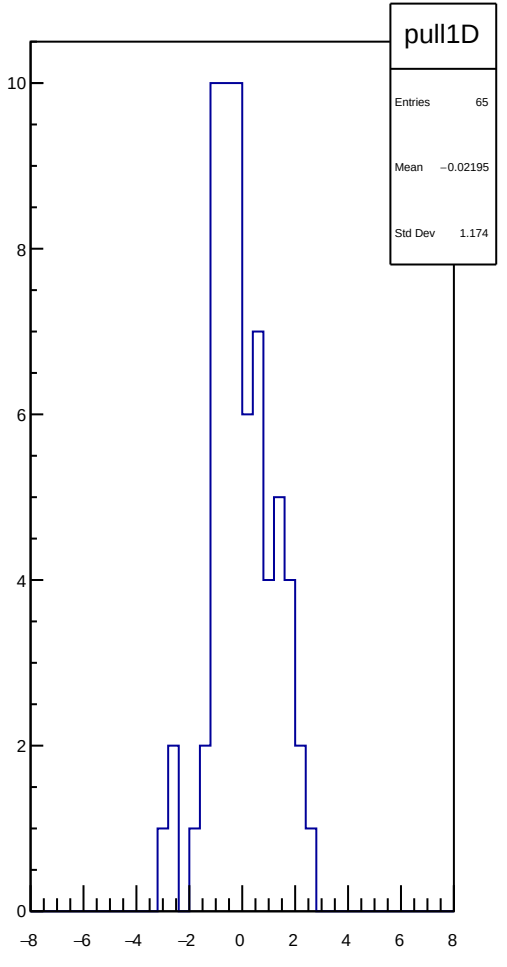

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 3818 / 64
p0 1402 ± 1.224
1600
1500
1400
1300
1200

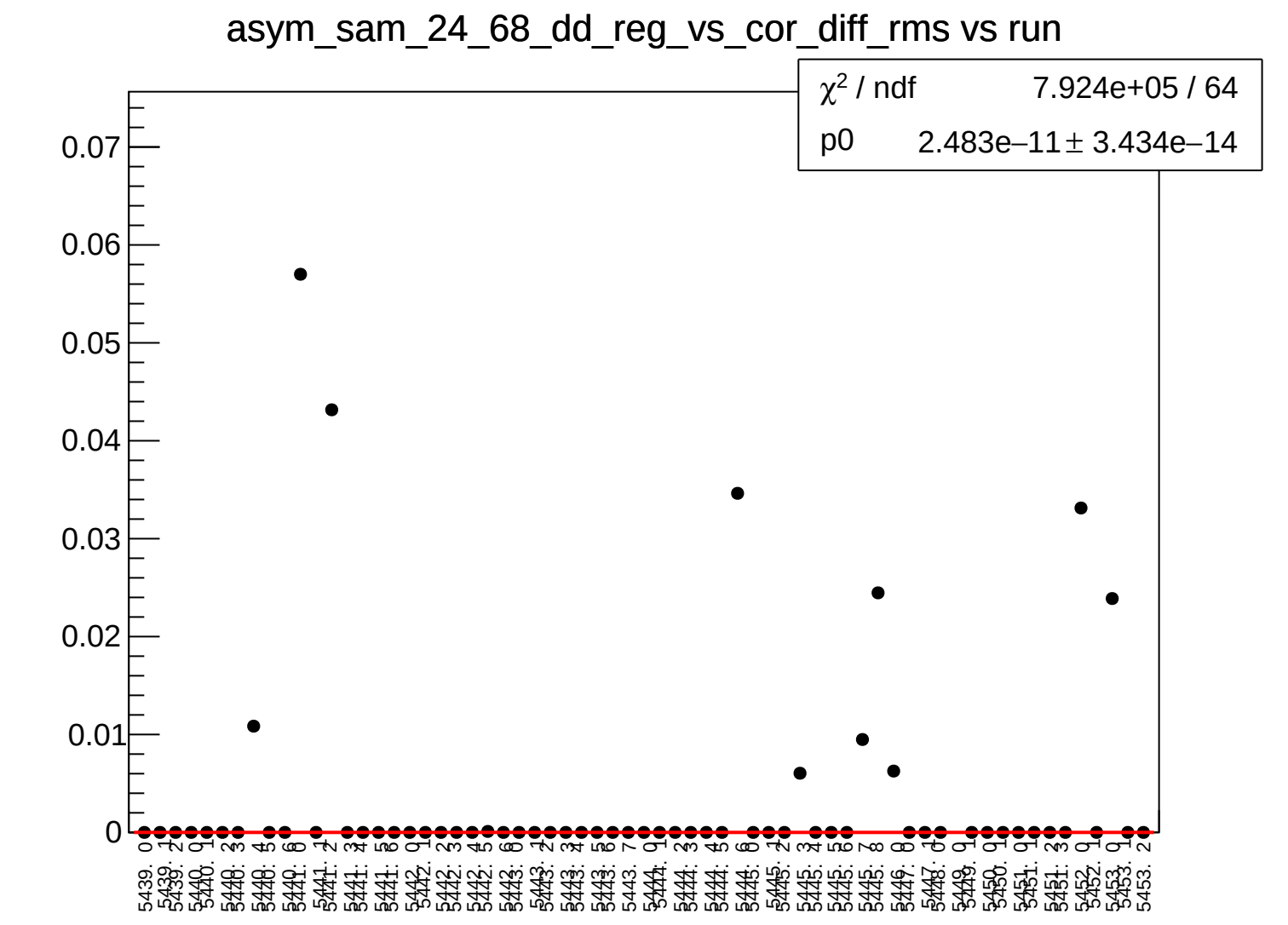

asym_sam_24_68_dd_mean vs run
χ² / ndf 69.24 / 64
p0 3750 ± 1741
pull
Entries 65
Mean −93.7
Std Dev 0

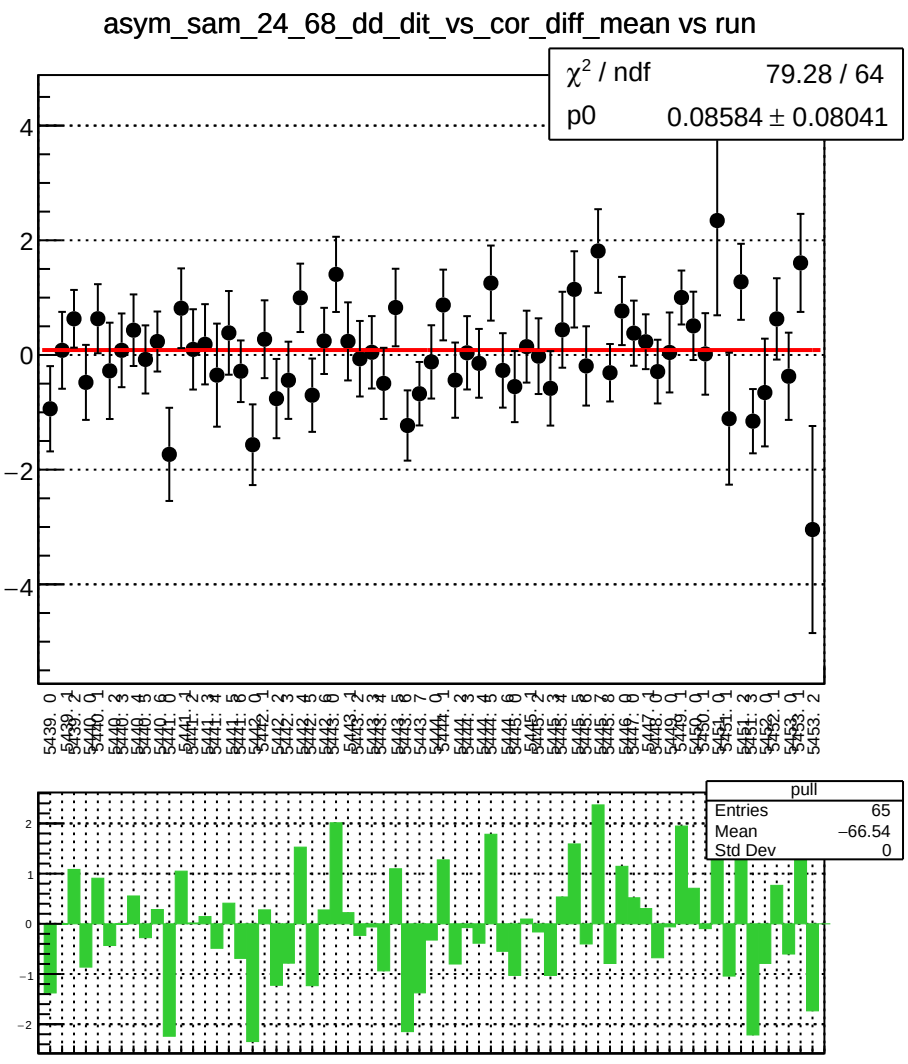

pull1D
Entries 65
Mean 0.01845
Std Dev 1.032

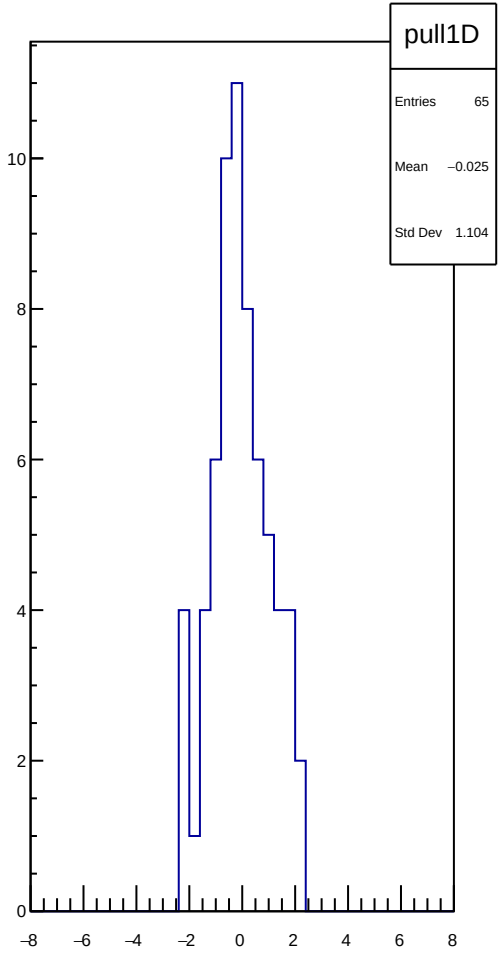

asym_sam_24_68_dd_rms vs run
χ² / ndf 5505 / 64
p0 1409 ± 1.231
1900
1800
1700
1600
1500
1400
1300

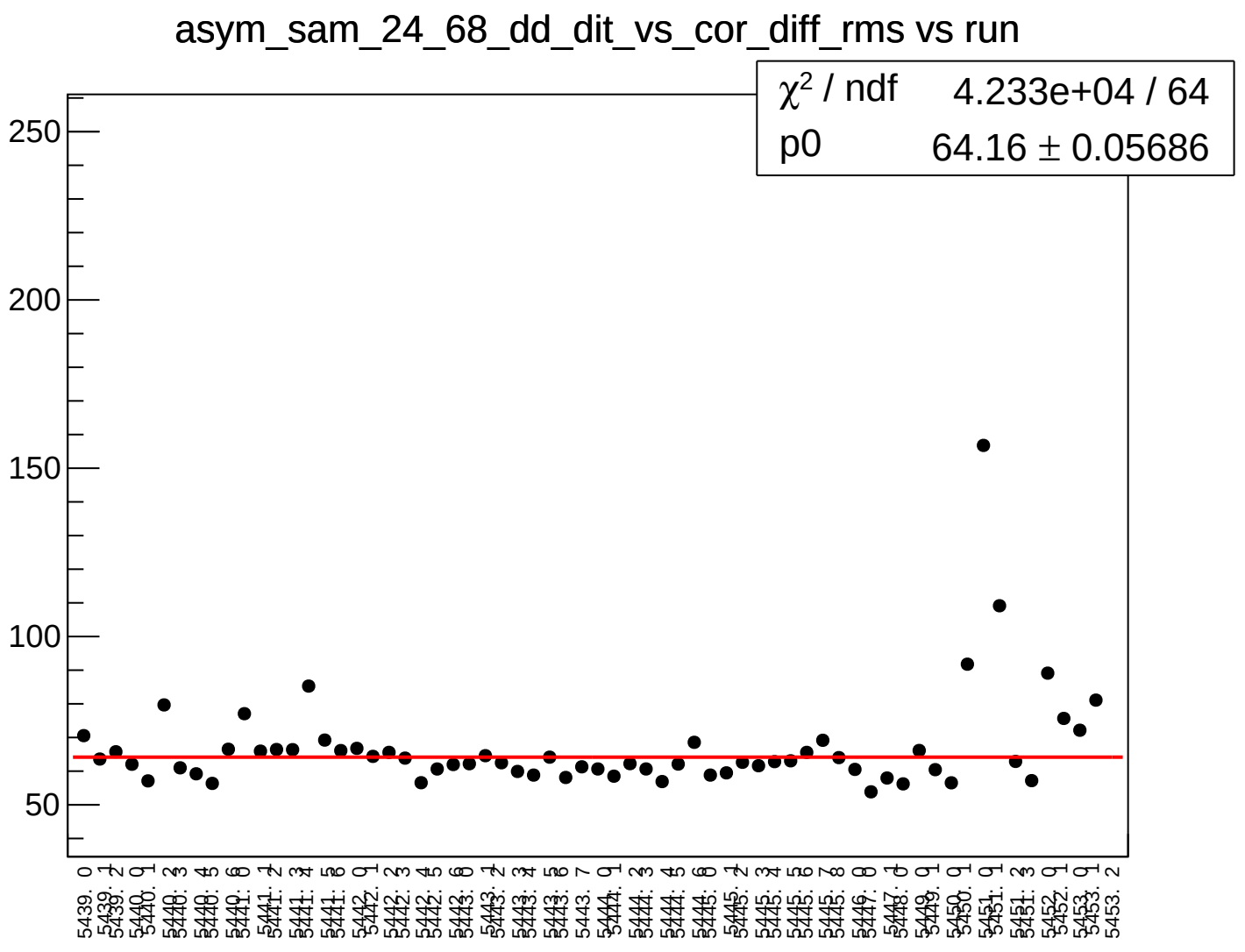

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 89.58 / 64
p0 1.094e−14 ± 4.856e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 65
Mean −1.682
Std Dev 0
2
1
0
−1
−2
−3

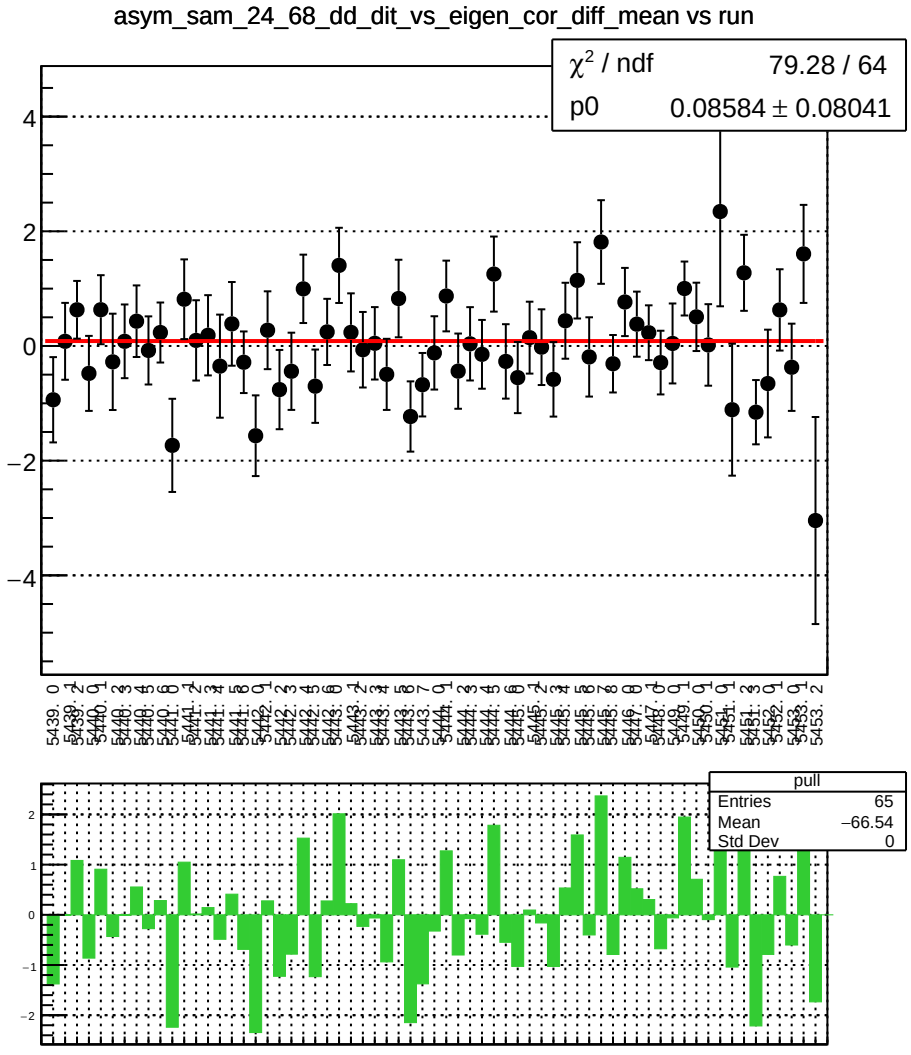

pull1D
Entries 65
Mean −0.02195
Std Dev 1.174
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

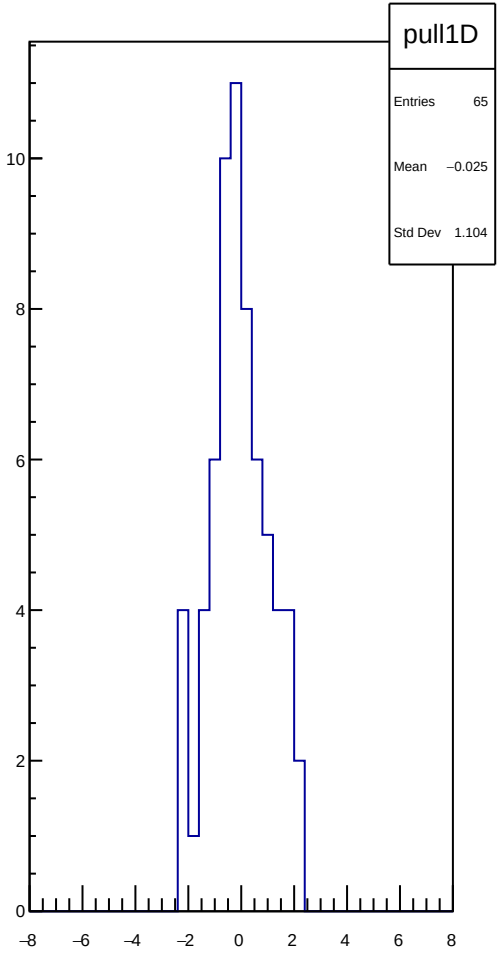

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.924e+05 / 64
p0 2.483e−11 ± 3.434e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

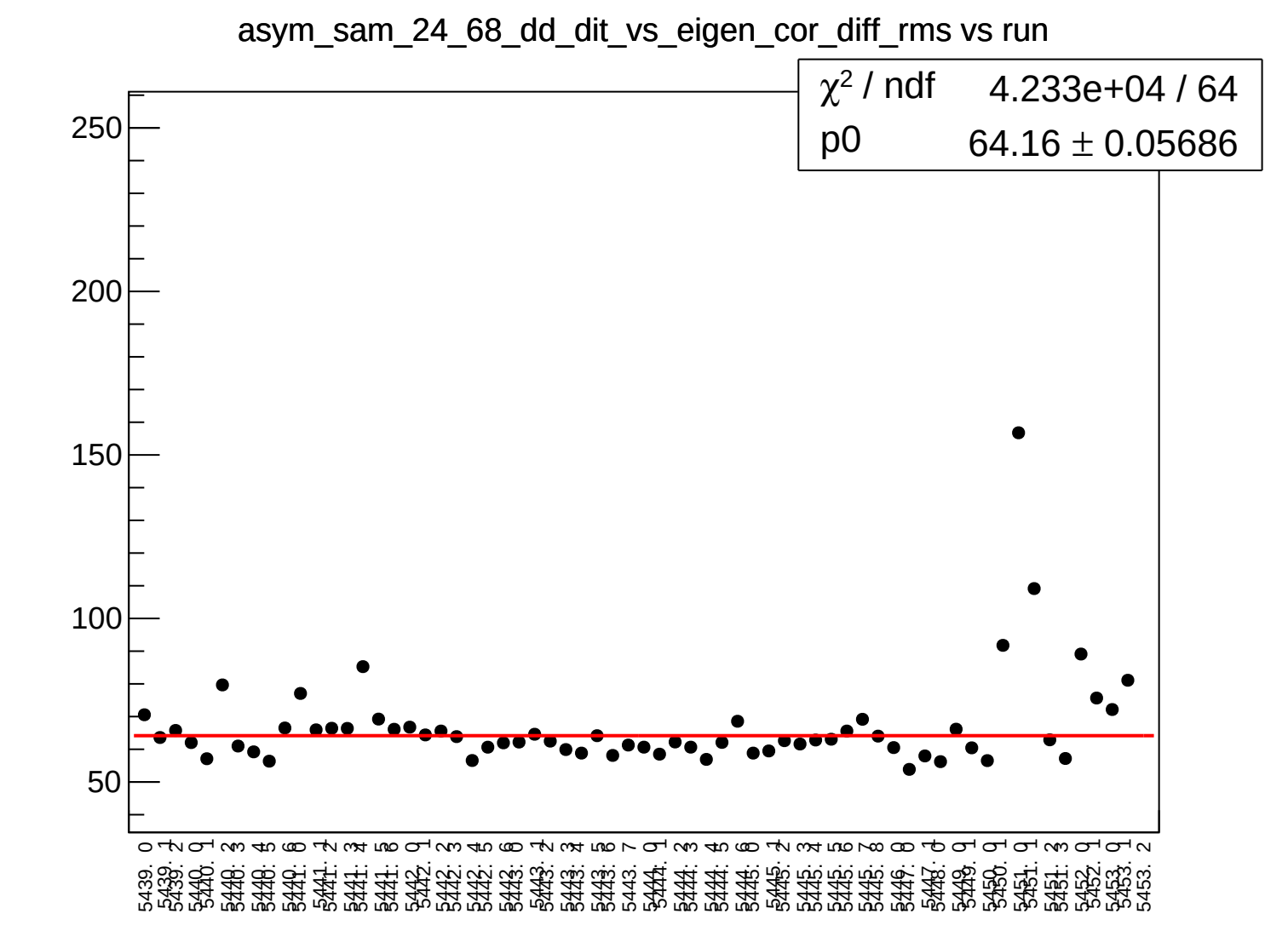

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.28 / 64
p0 0.08584 ± 0.08041
pull
Entries 65
Mean −66.54
Std Dev 0

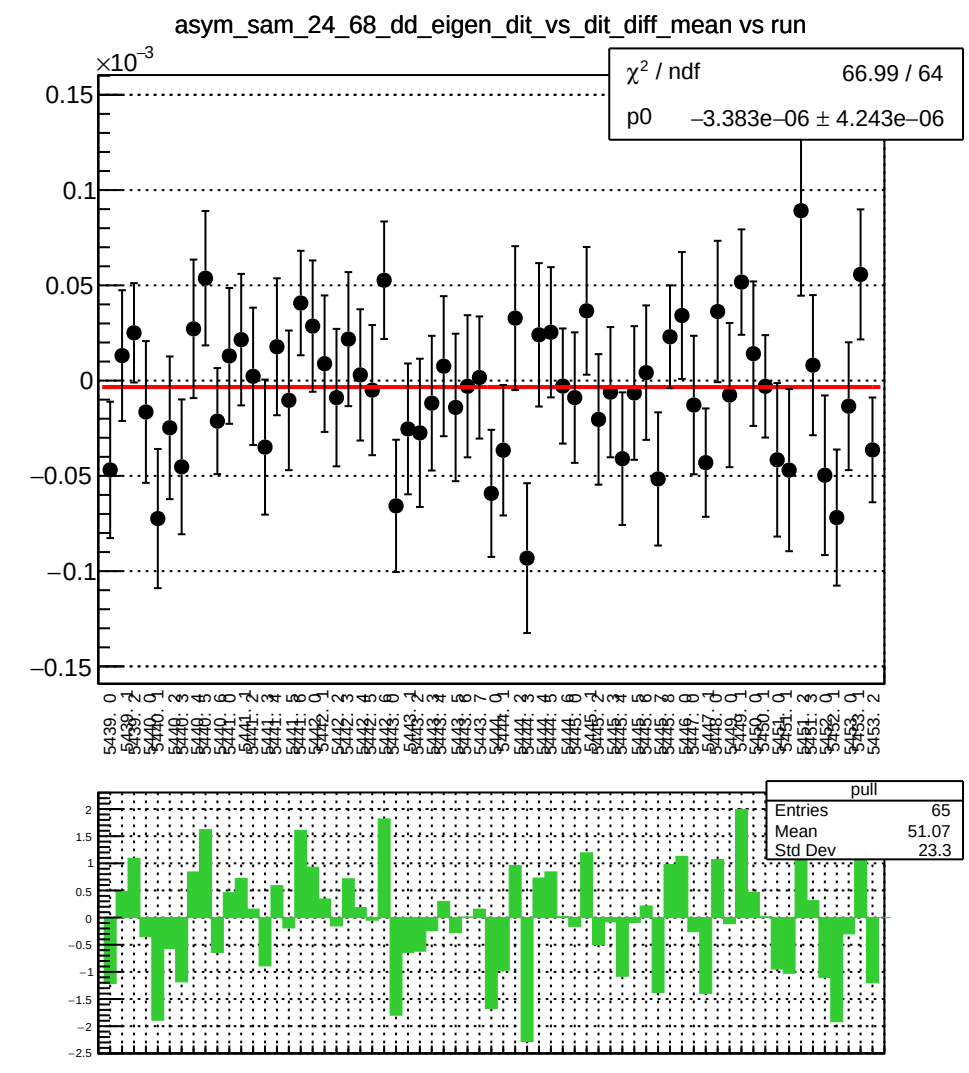

pull1D
Entries 65
Mean −0.025
Std Dev 1.104

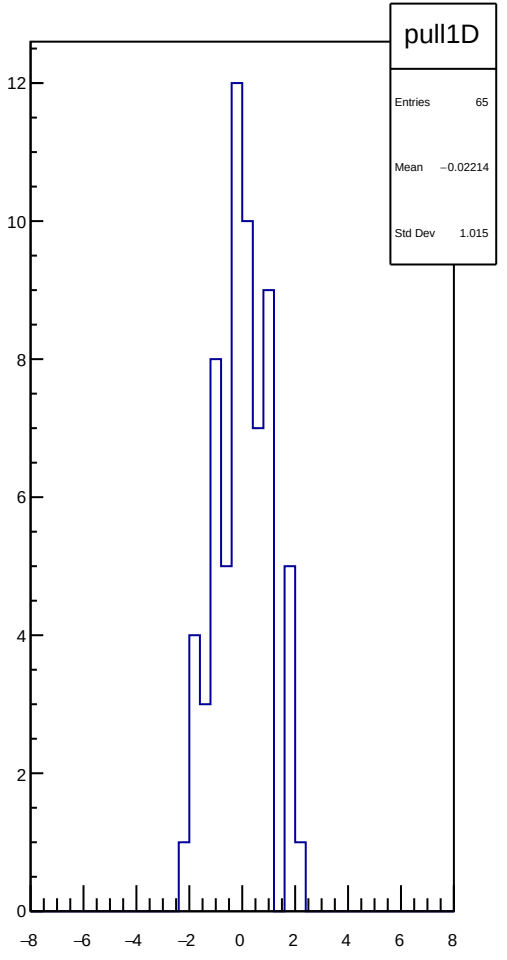

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.233e+04 / 64
p0 64.16 ± 0.05686
250
200
150
100
50

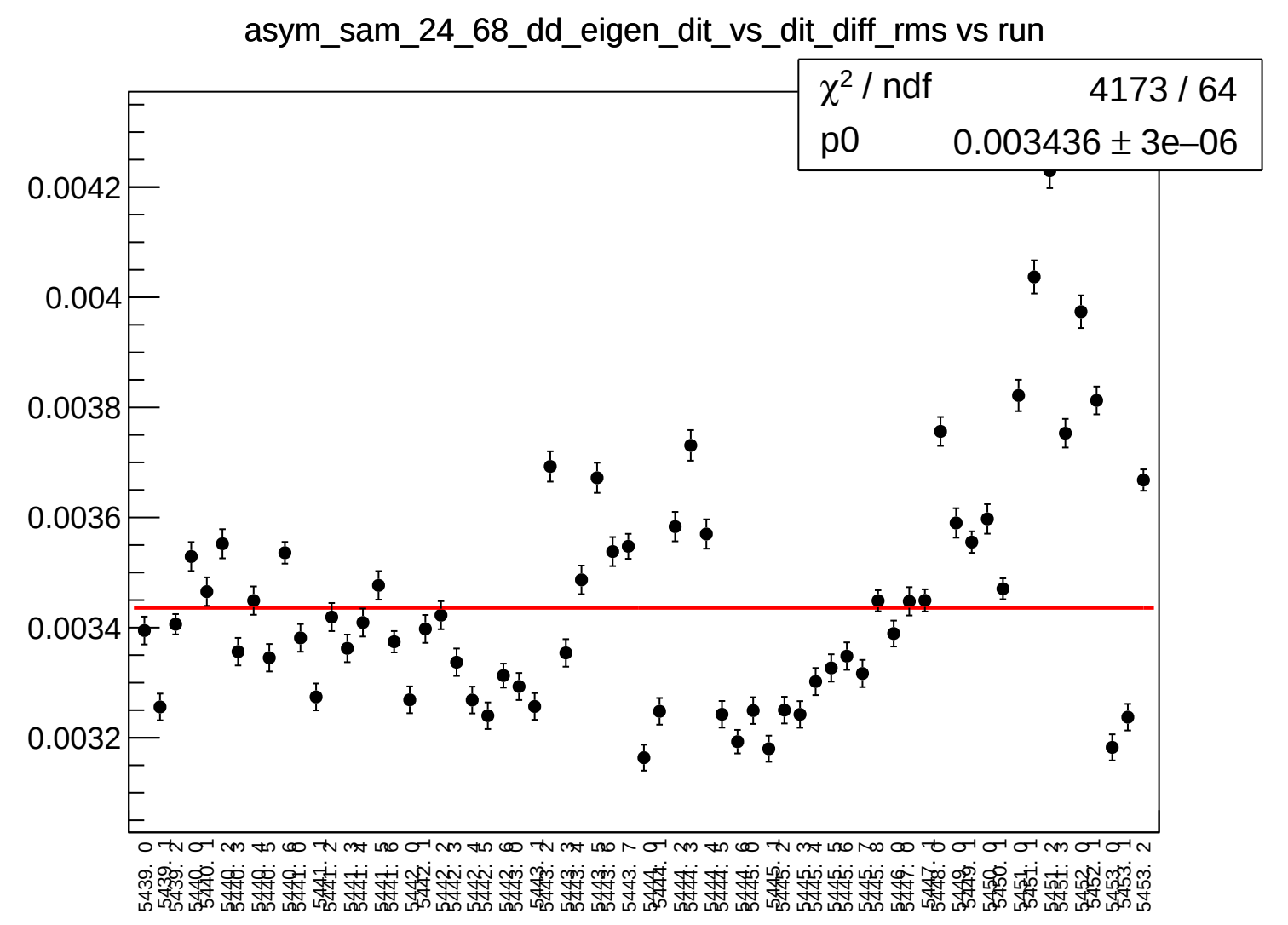

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.28 / 64
p0 0.08584 ± 0.08041
pull
Entries 65
Mean −66.54
Std Dev 0

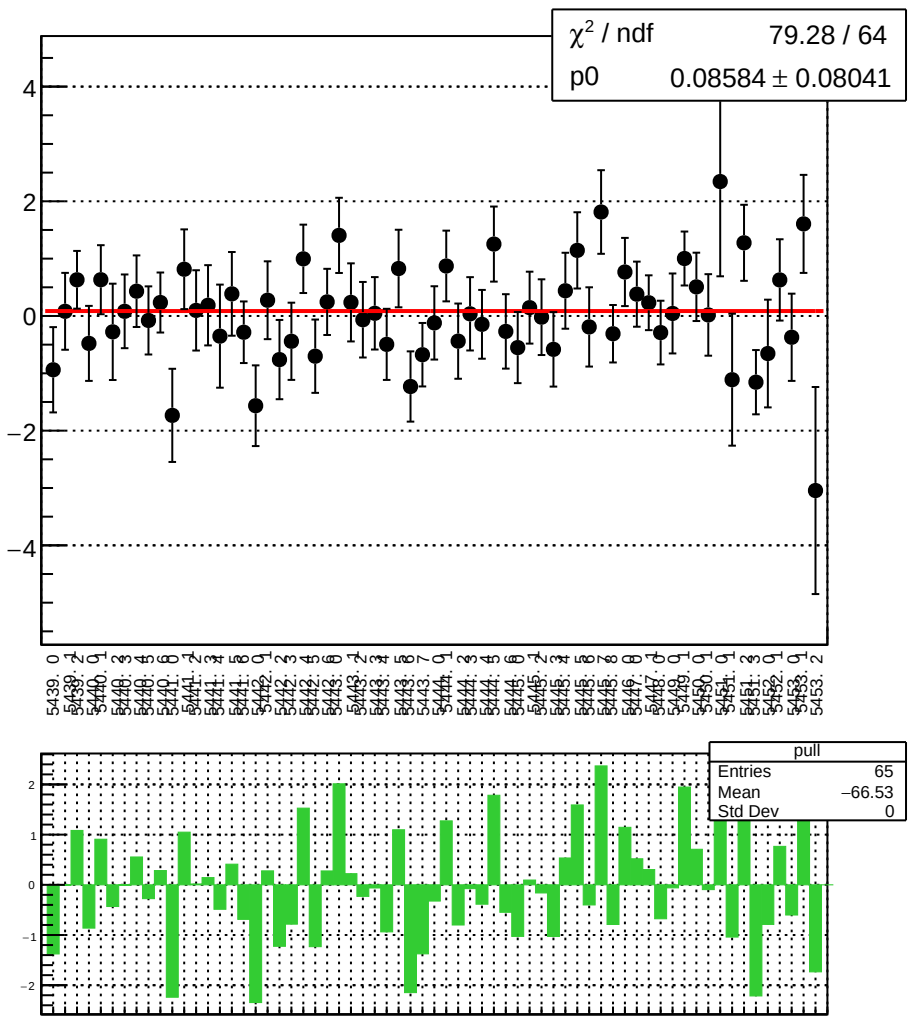

pull1D
Entries 65
Mean −0.025
Std Dev 1.104

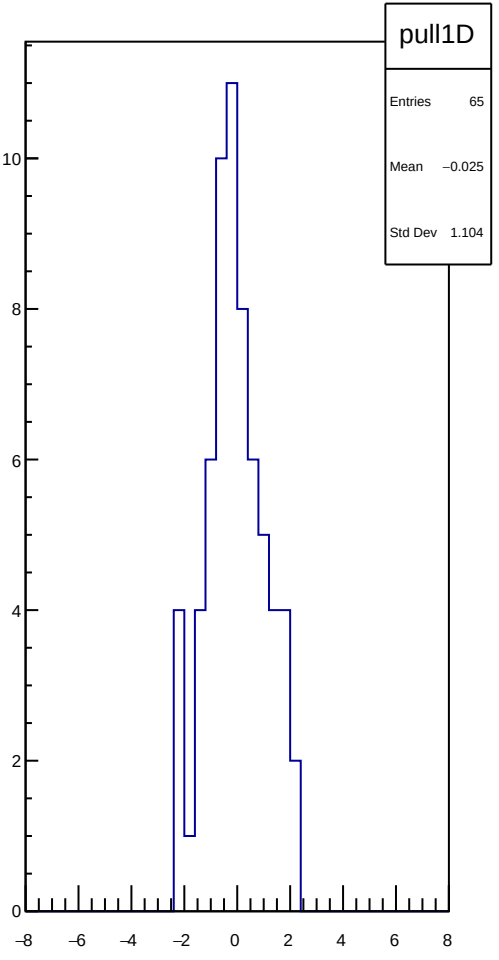

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.233e+04 / 64
p0 64.16 ± 0.05686
250
200
150
100
50

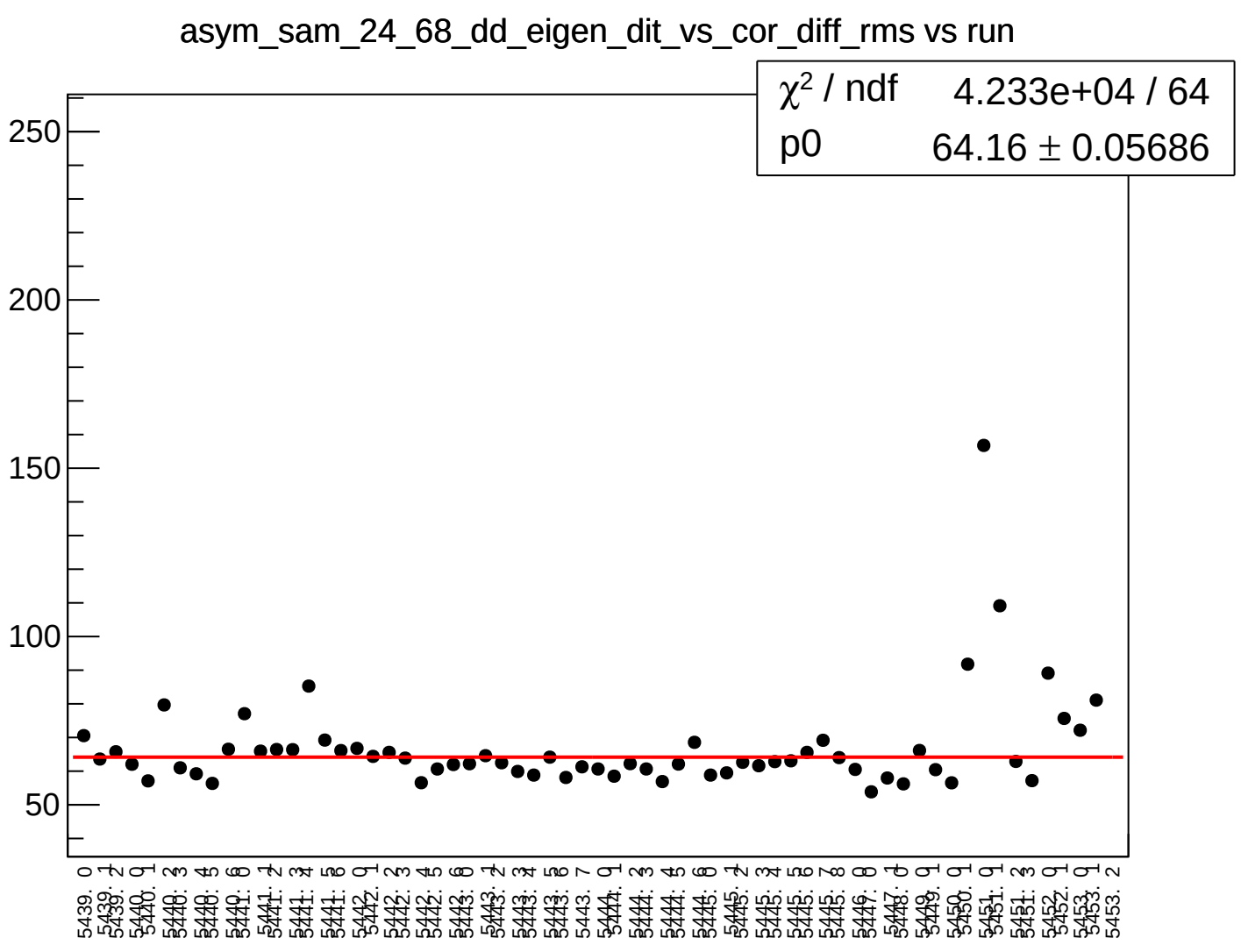

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 66.99 / 64
p0 −3.383e−06 ± 4.243e−06
pull
Entries 65
Mean 51.07
Std Dev 23.3

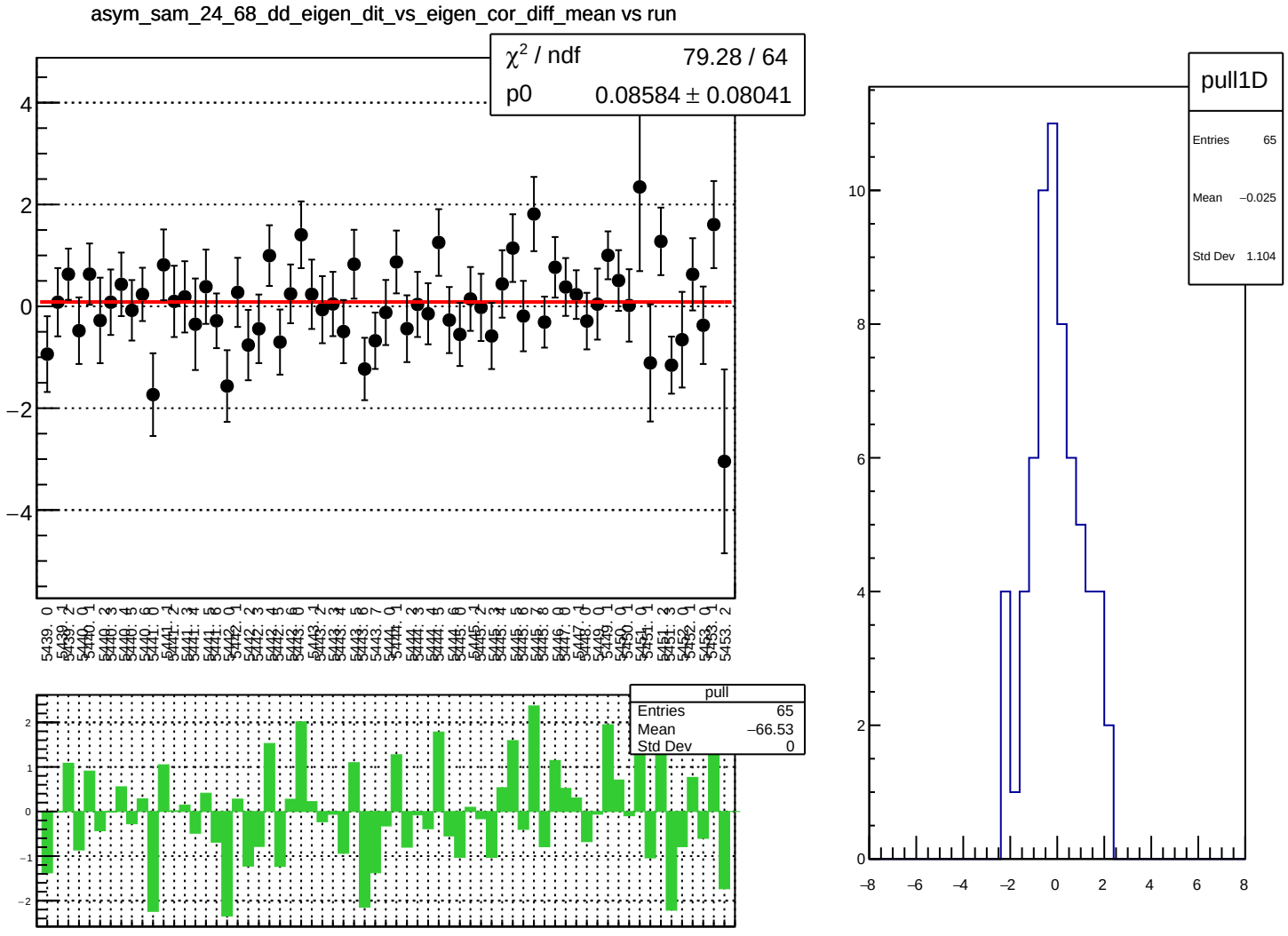

pull1D
Entries 65
Mean −0.02214
Std Dev 1.015

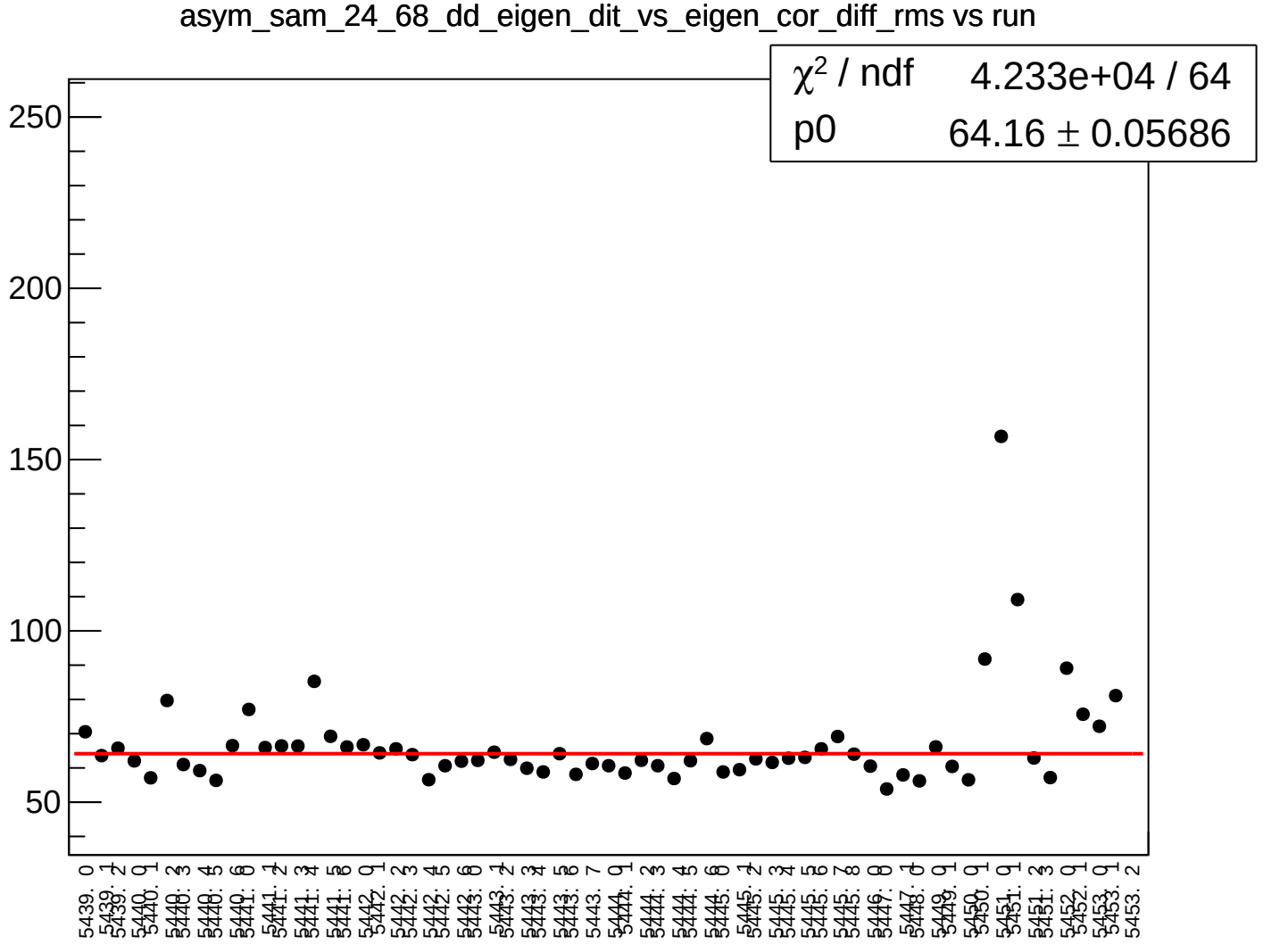

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4173 / 64
p0 0.003436 ± 3e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032

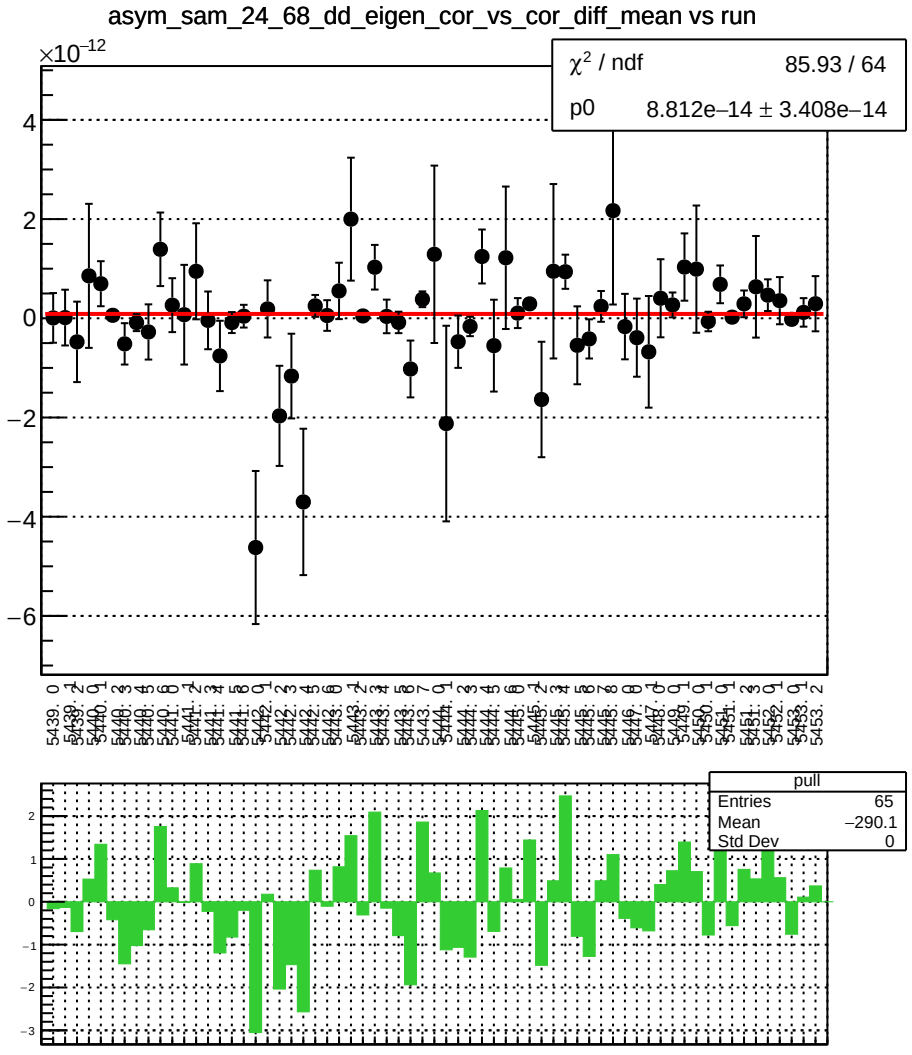

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.28 / 64
p0 0.08584 ± 0.08041
pull
Entries 65
Mean −66.53
Std Dev 0

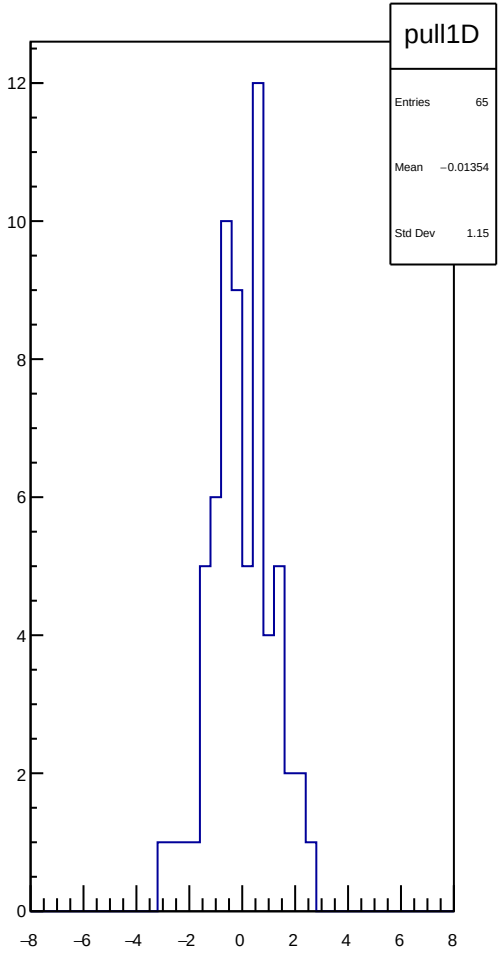

pull1D
Entries 65
Mean −0.025
Std Dev 1.104

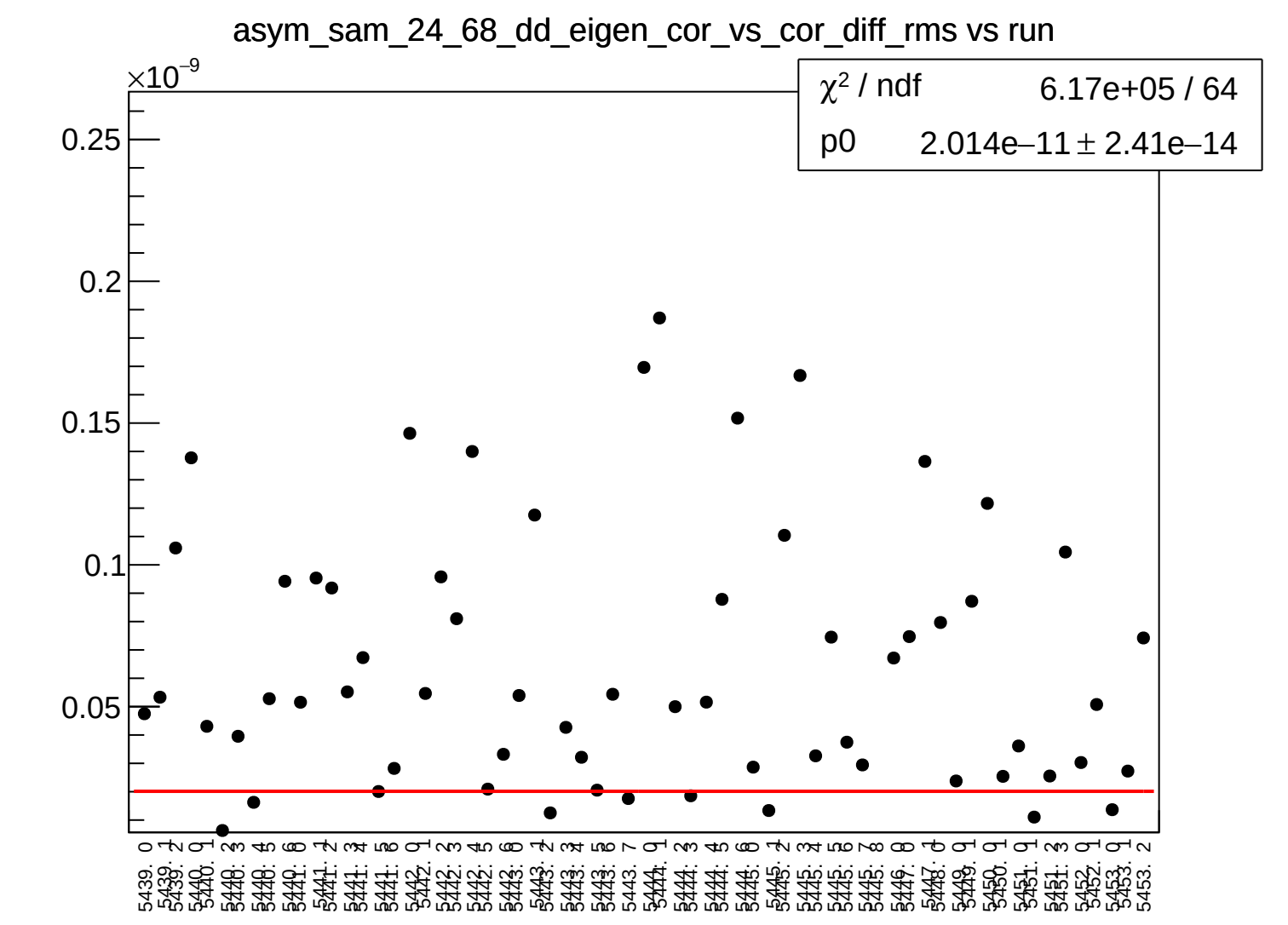

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.233e+04 / 64
p0 64.16 ± 0.05686
250
200
150
100
50

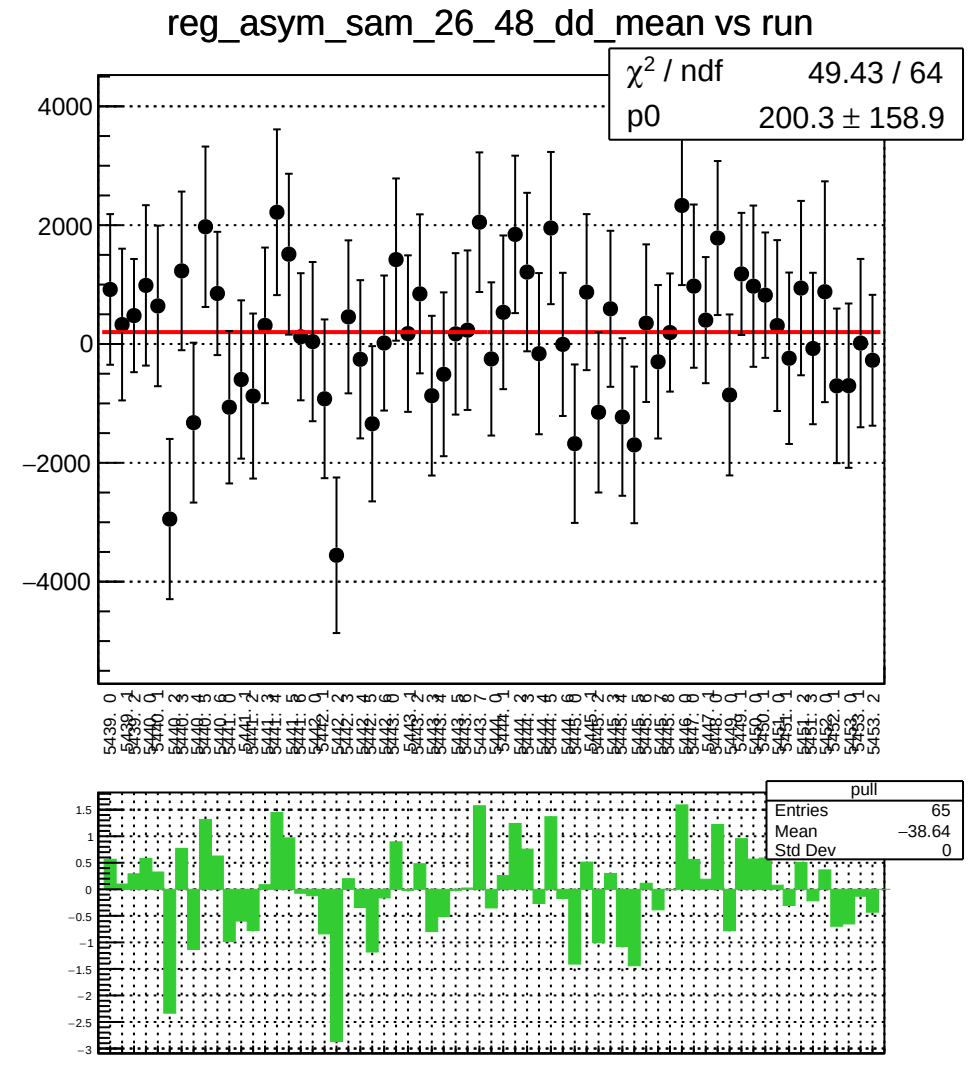

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.28 / 64
p0 0.08584 ± 0.08041
pull
Entries 65
Mean −66.53
Std Dev 0
pull1D
Entries 65
Mean −0.025
Std Dev 1.104

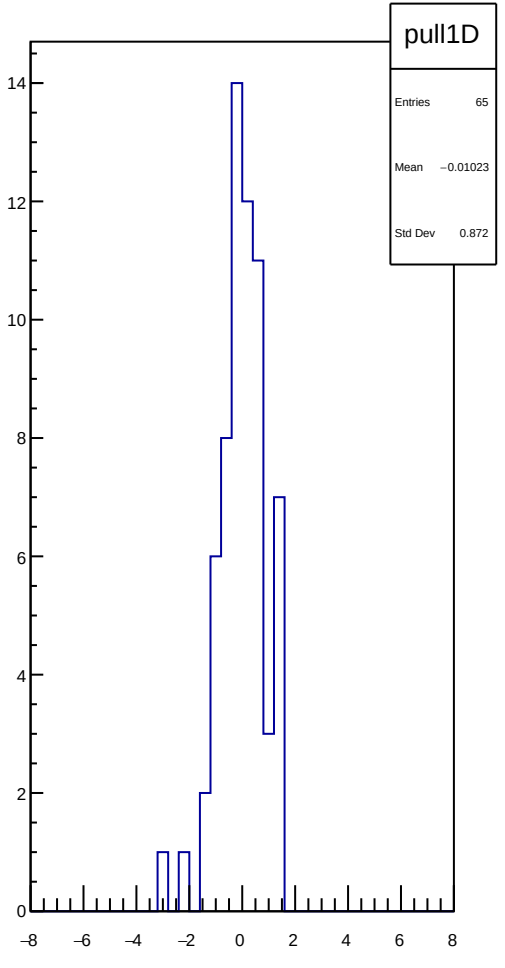

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.233e+04 / 64
p0 64.16 ± 0.05686
250
200
150
100
50

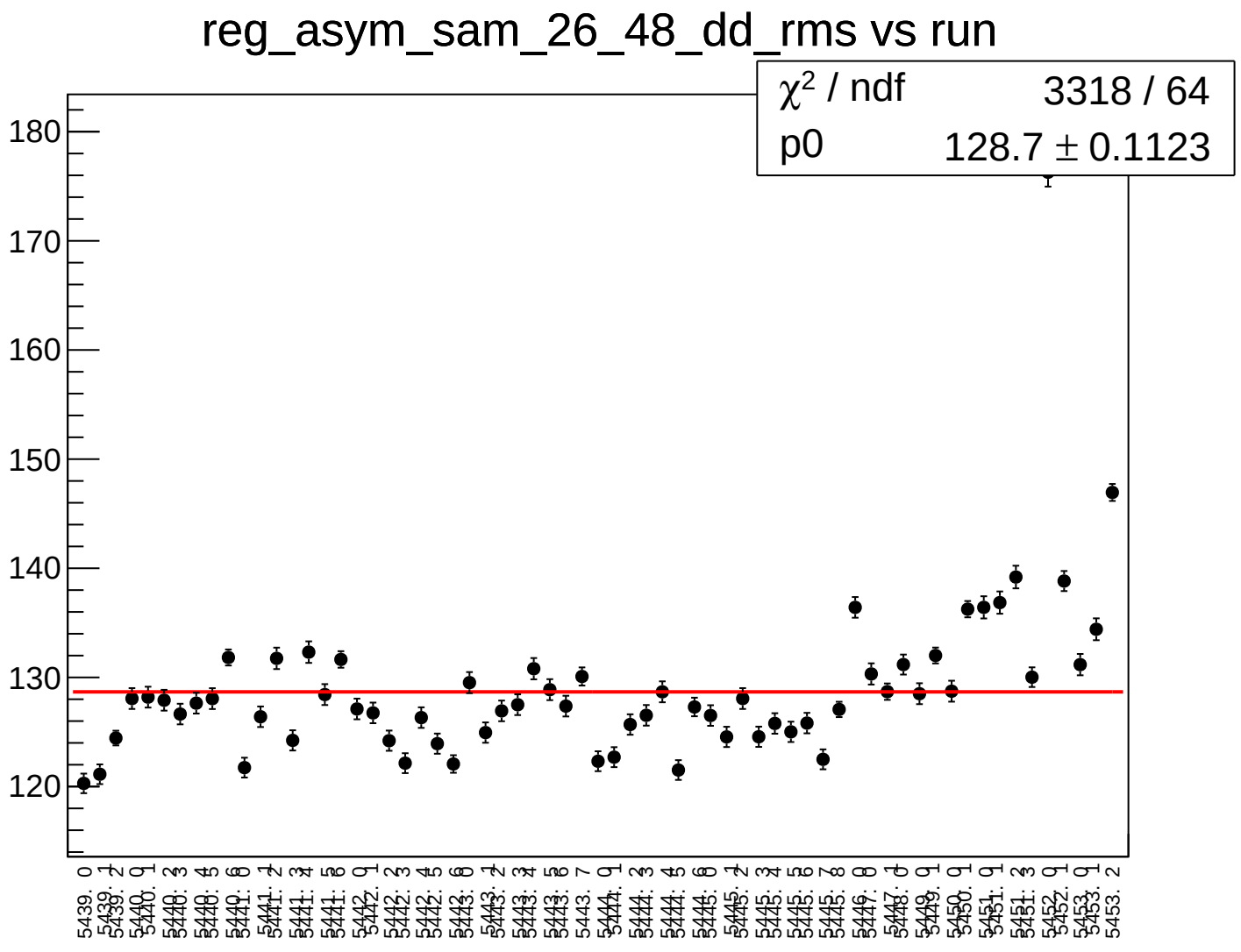

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.93 / 64
p0 8.812e−14 ± 3.408e−14
pull
Entries 65
Mean −290.1
Std Dev 0

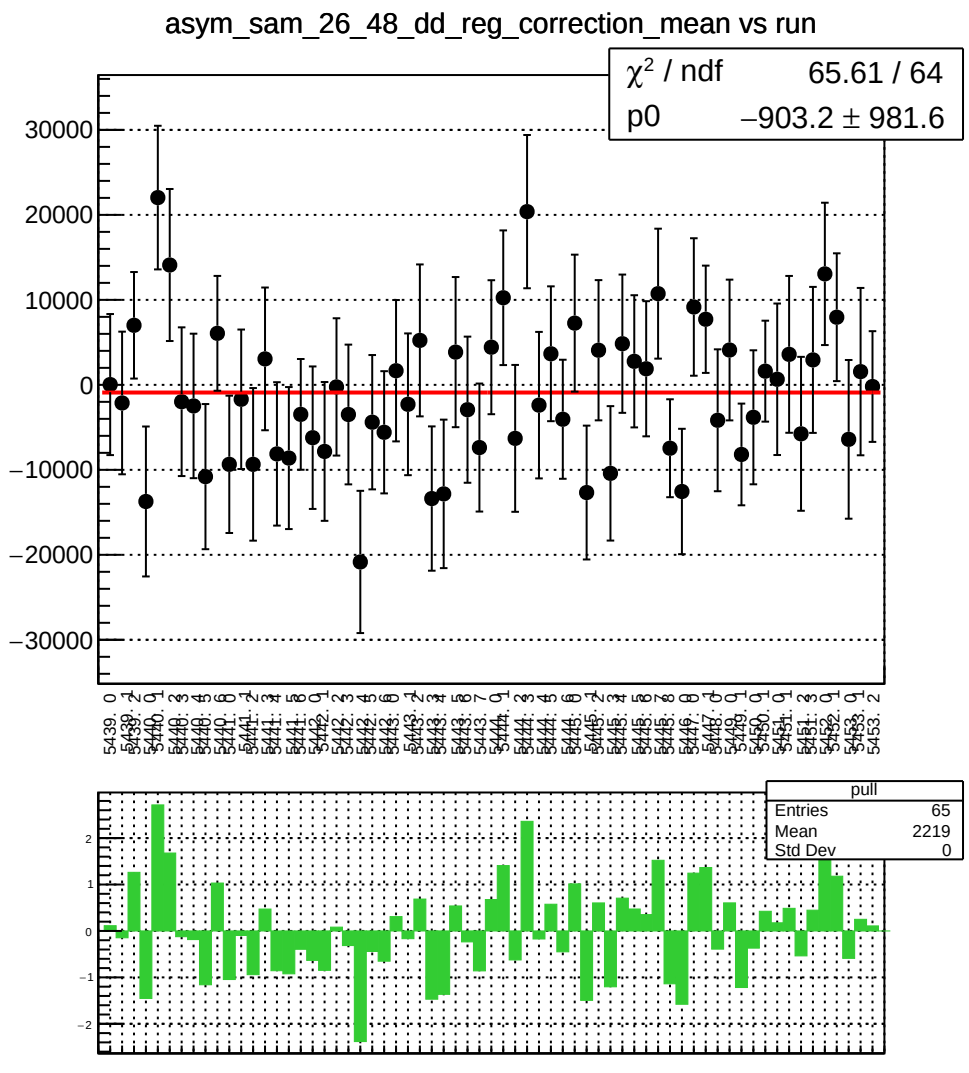

pull1D
Entries 65
Mean −0.01354
Std Dev 1.15

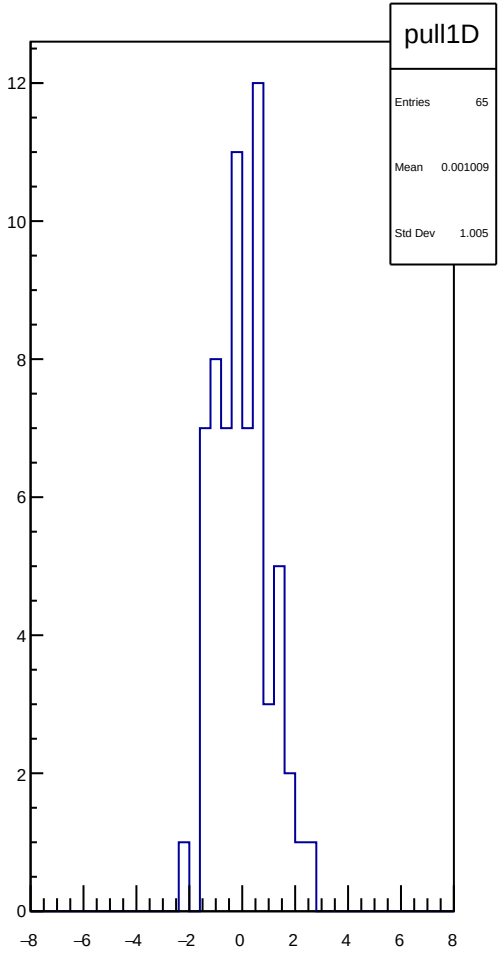

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.17e+05 / 64
p0 2.014e−11 ± 2.41e−14
0.25
0.2
0.15
0.1
0.05

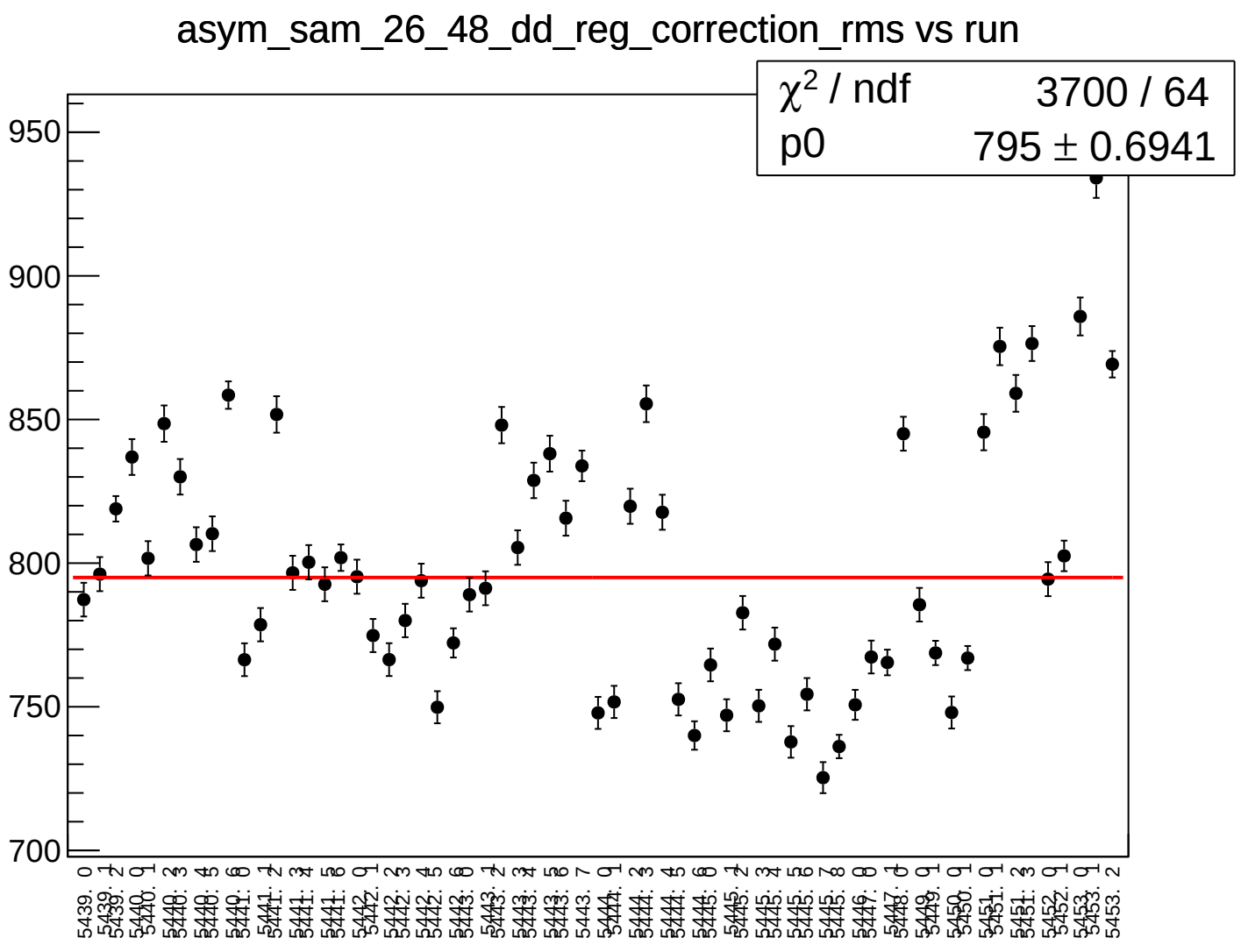

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 49.43 / 64
p0 200.3 ± 158.9
pull
Entries 65
Mean −38.64
Std Dev 0

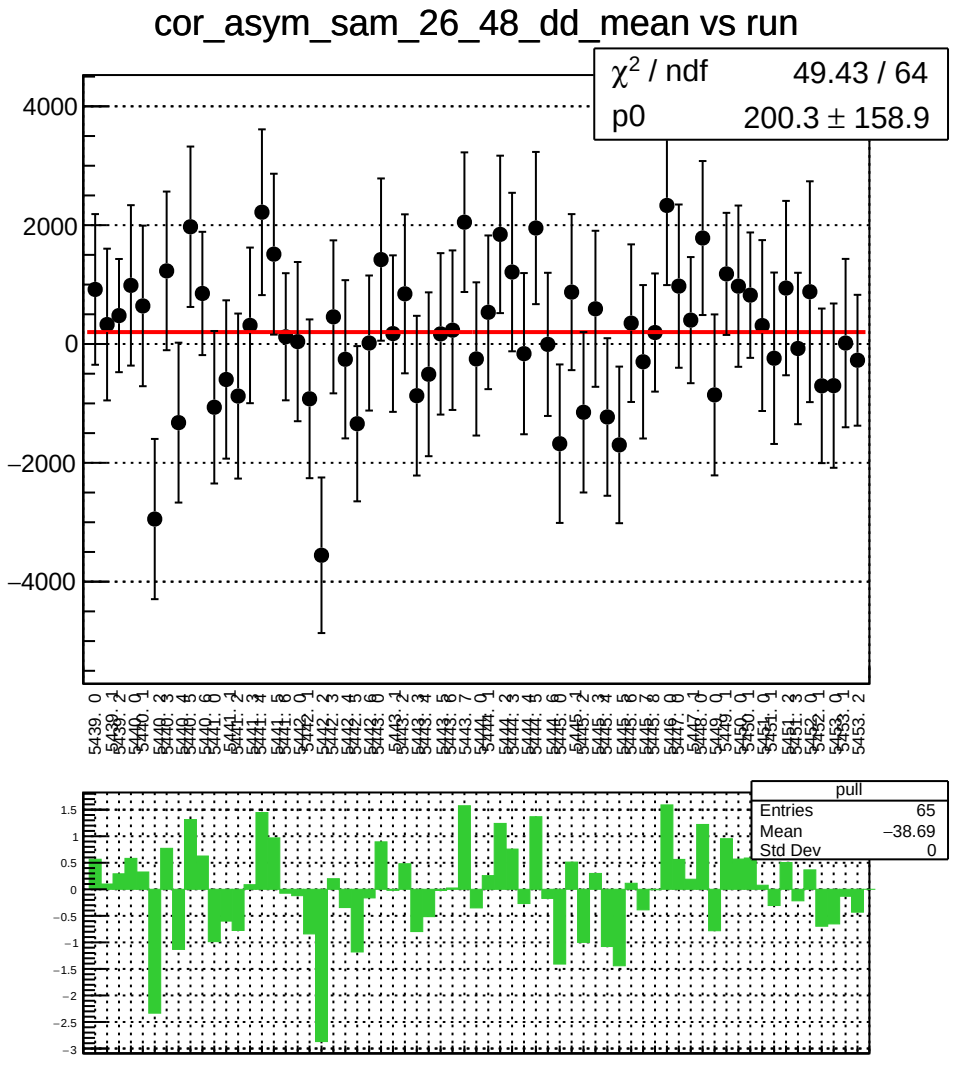

pull1D
Entries 65
Mean −0.01023
Std Dev 0.872

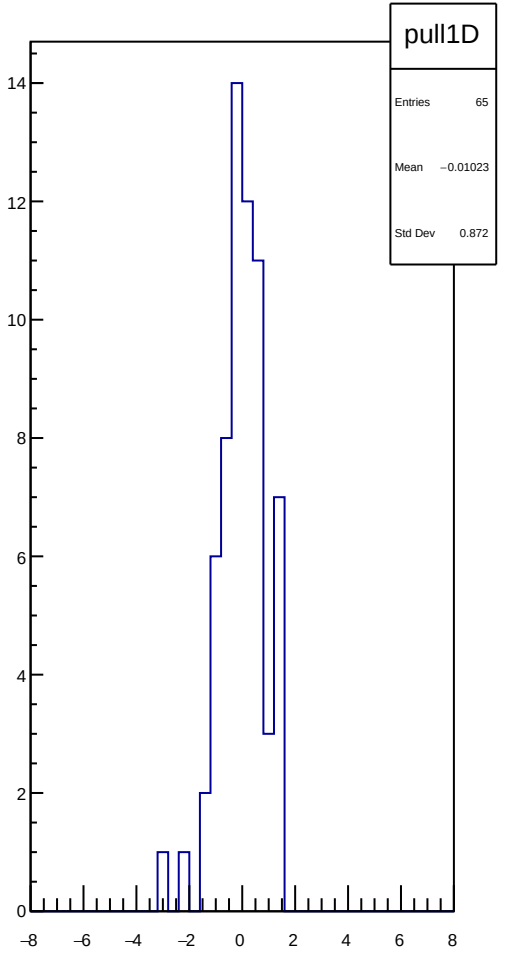

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 3318 / 64
p0 128.7 ± 0.1123
180
170
160
150
140
130
120

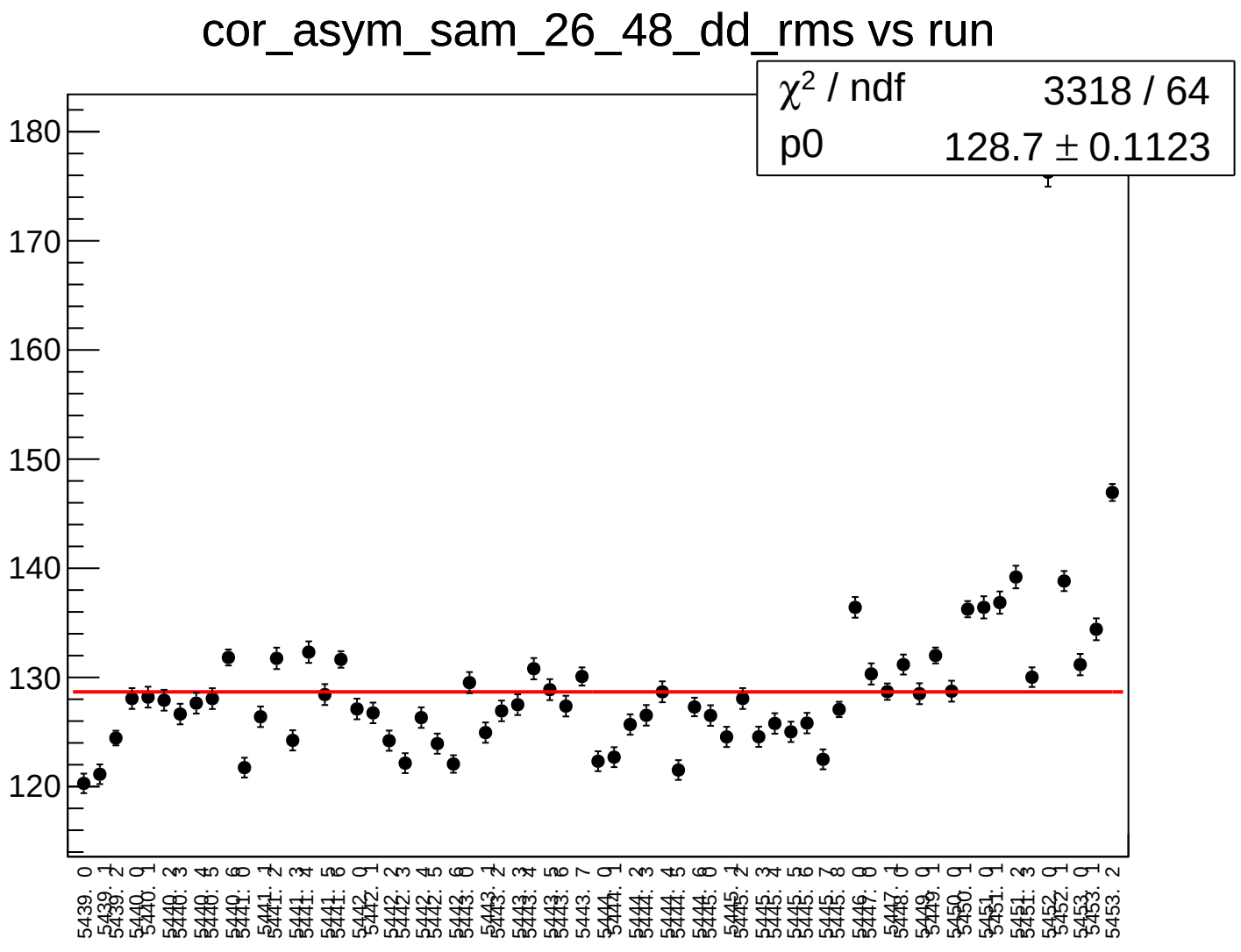

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 65.61 / 64
p0 −903.2 ± 981.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean 2219
Std Dev 0
2
1
0
−1
−2

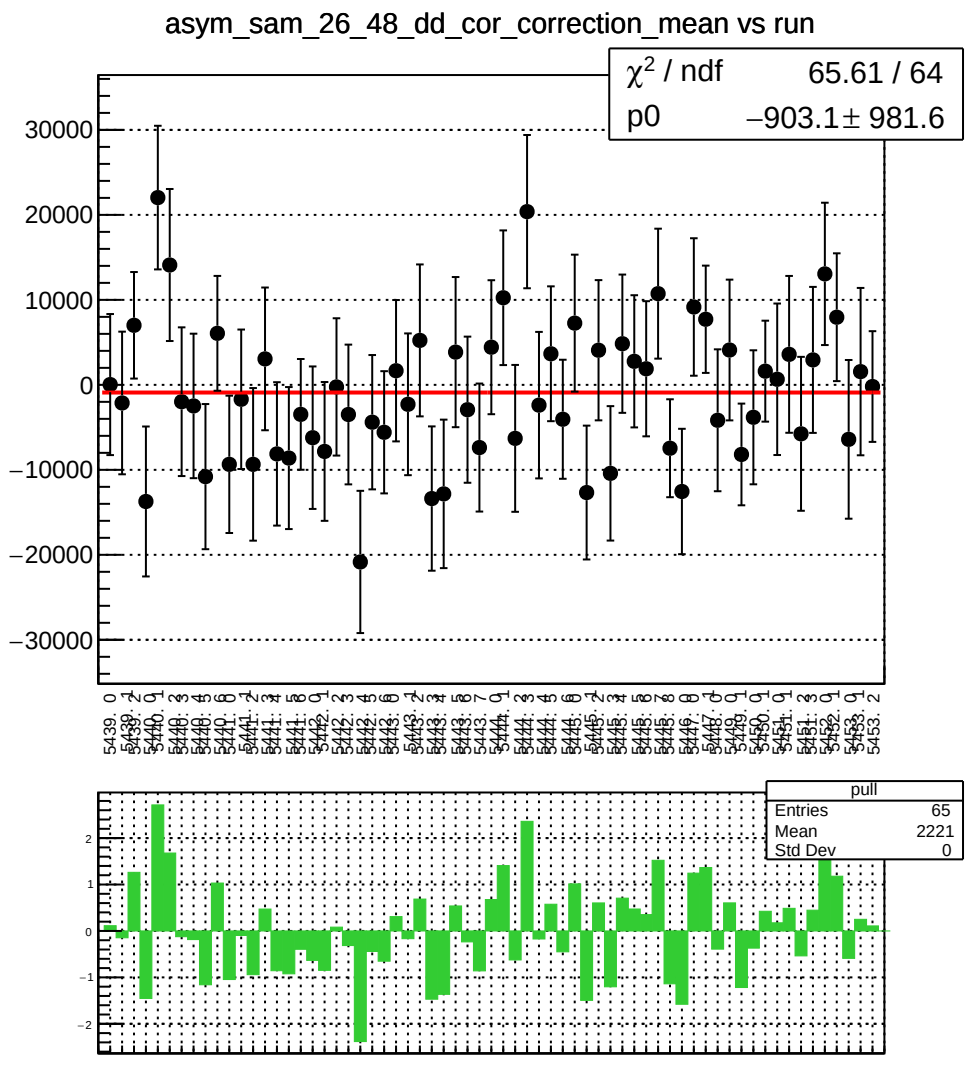

pull1D
Entries 65
Mean 0.001009
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

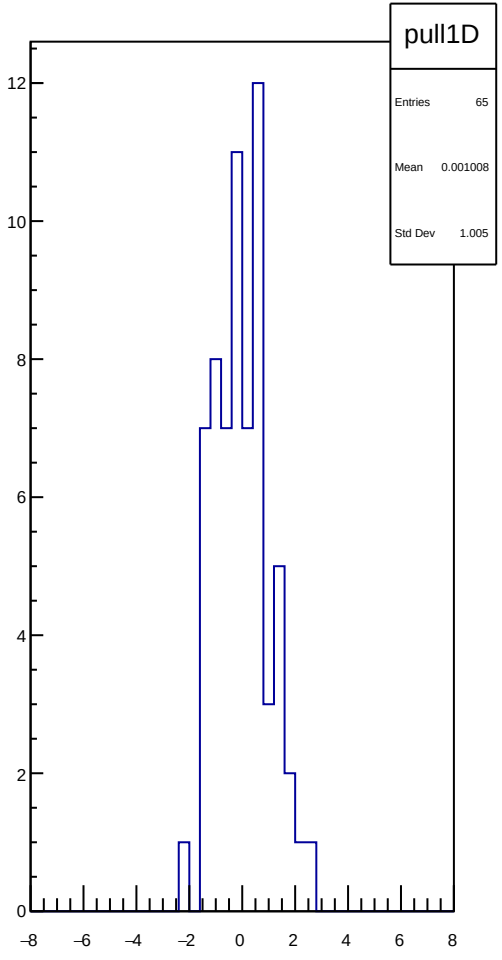

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 3700 / 64
p0 795 ± 0.6941
950
900
850
800
750
700

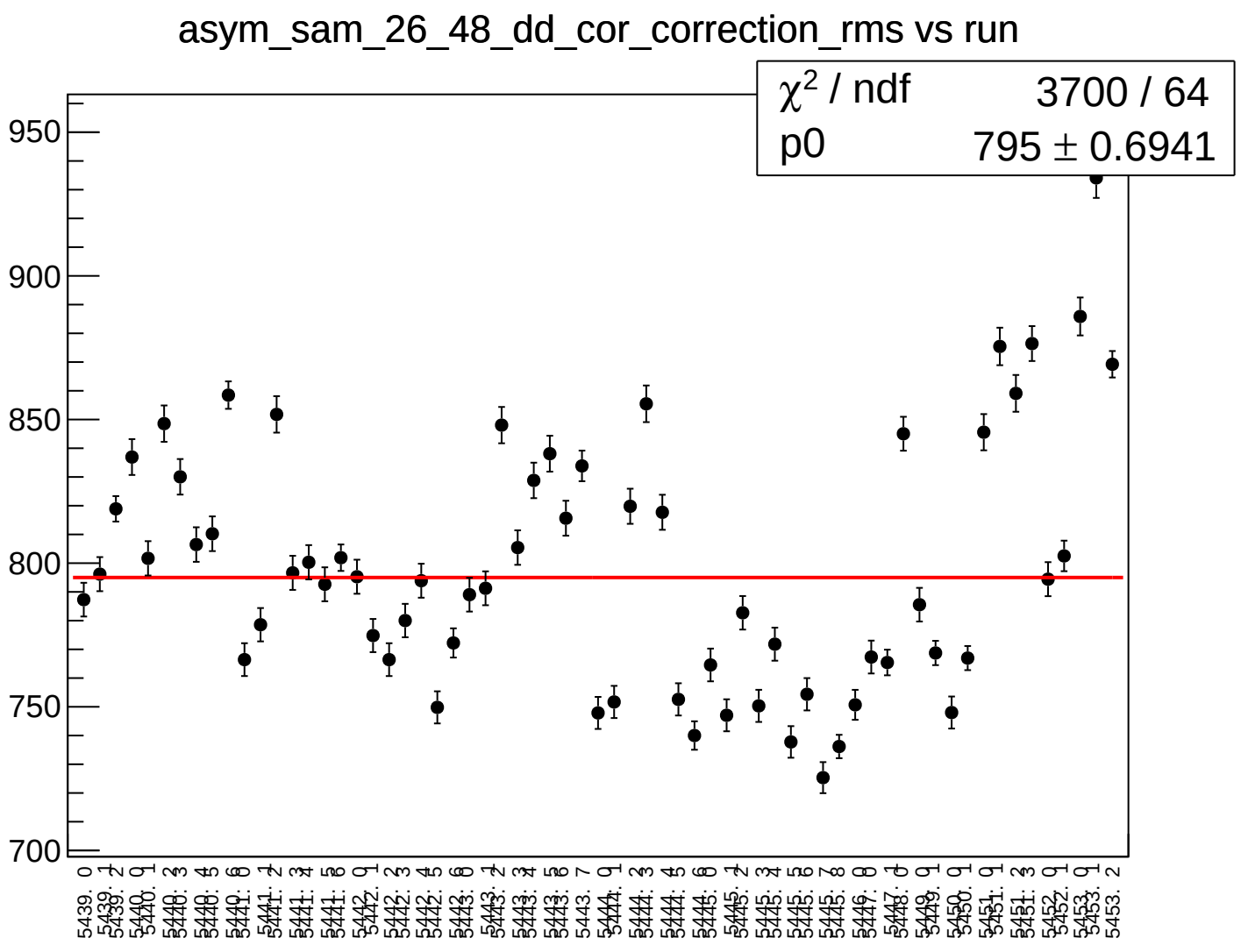

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 49.43 / 64
p0 200.3 ± 158.9
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −38.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

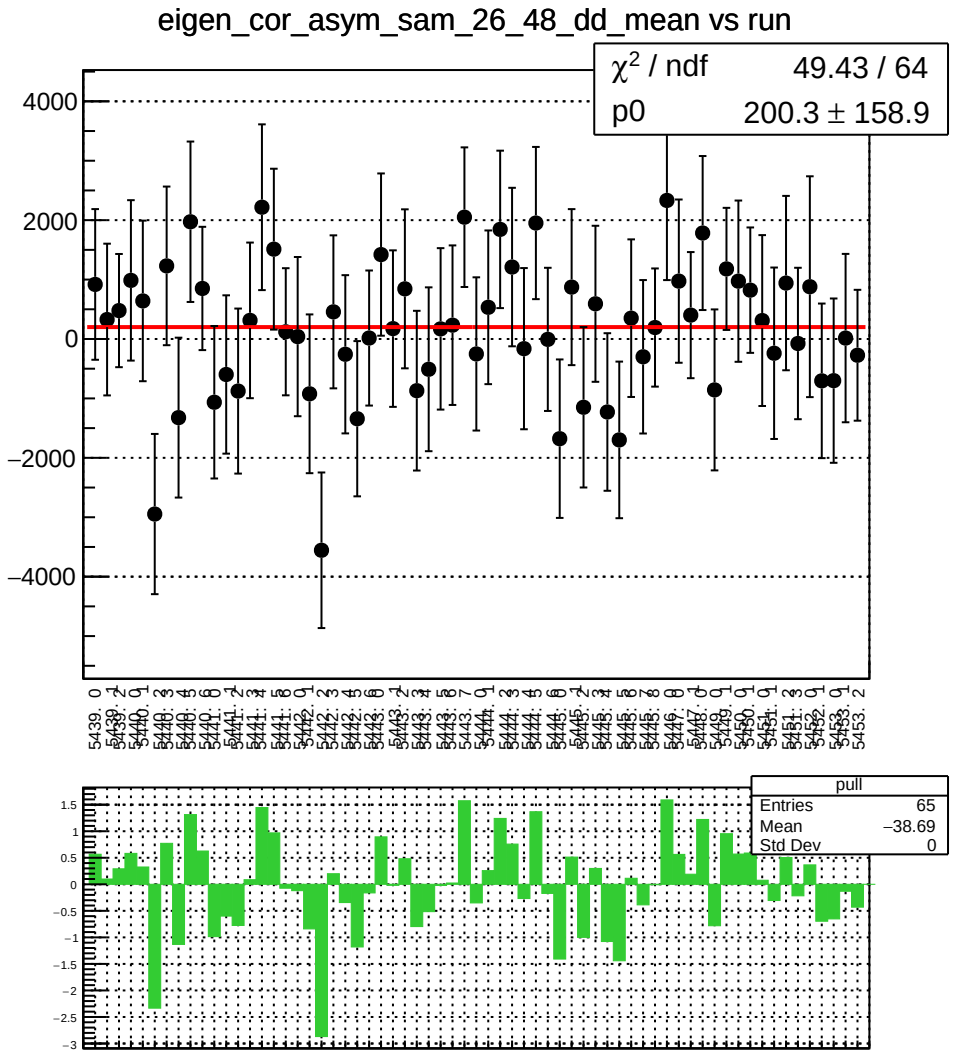

pull1D
Entries 65
Mean −0.01023
Std Dev 0.872
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

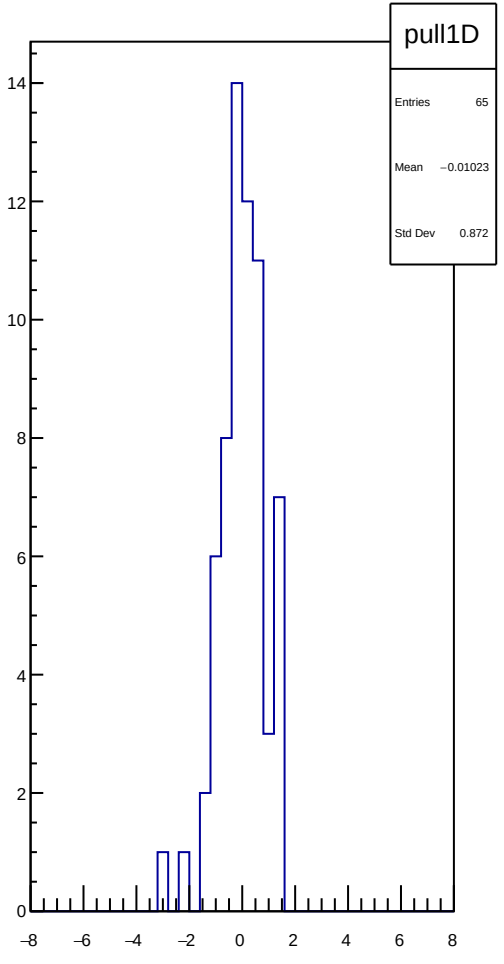

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 3318 / 64
p0 128.7 ± 0.1123
180
170
160
150
140
130
120

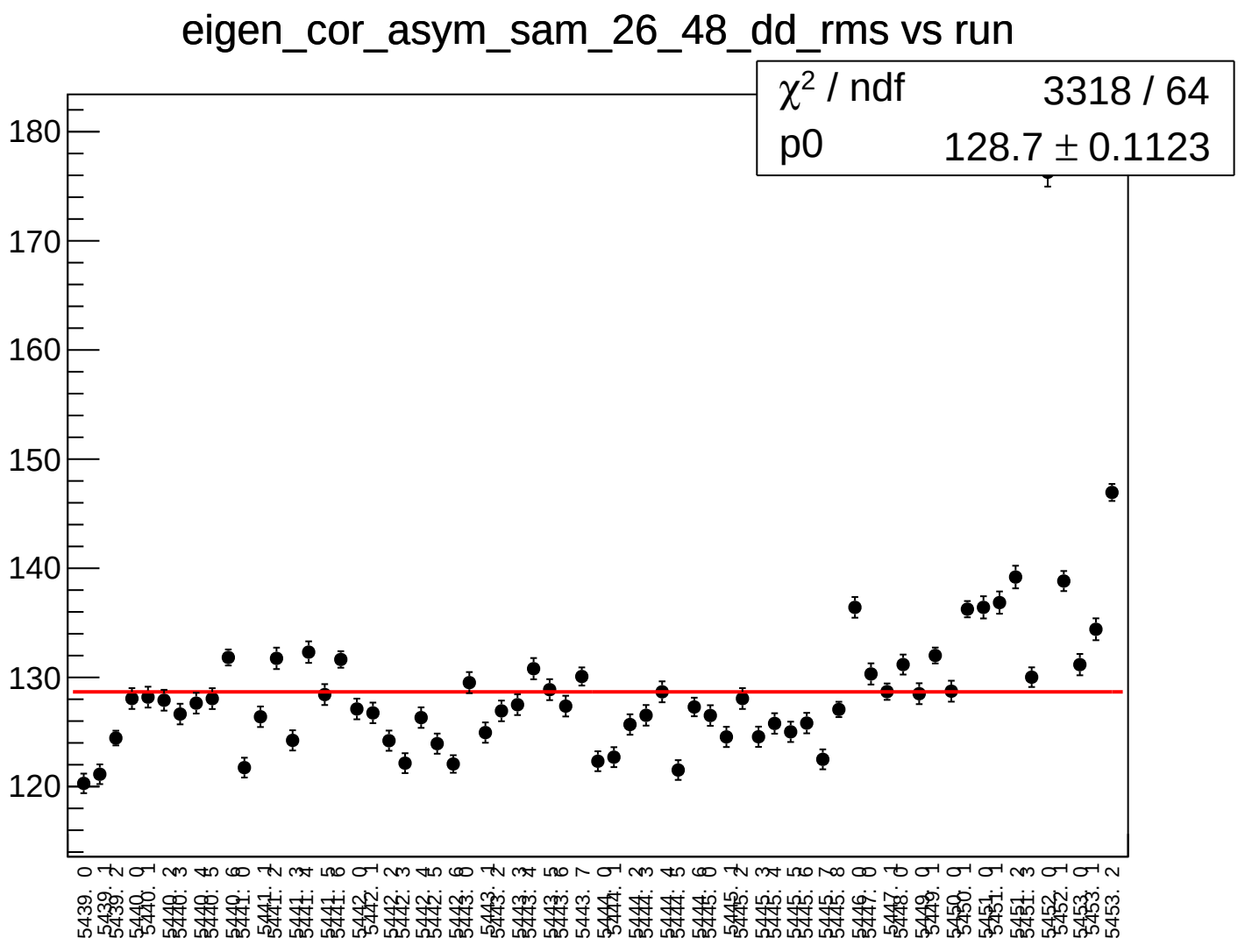

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 65.61 / 64
p0 −903.1± 981.6
pull
Entries 65
Mean 2221
Std Dev 0

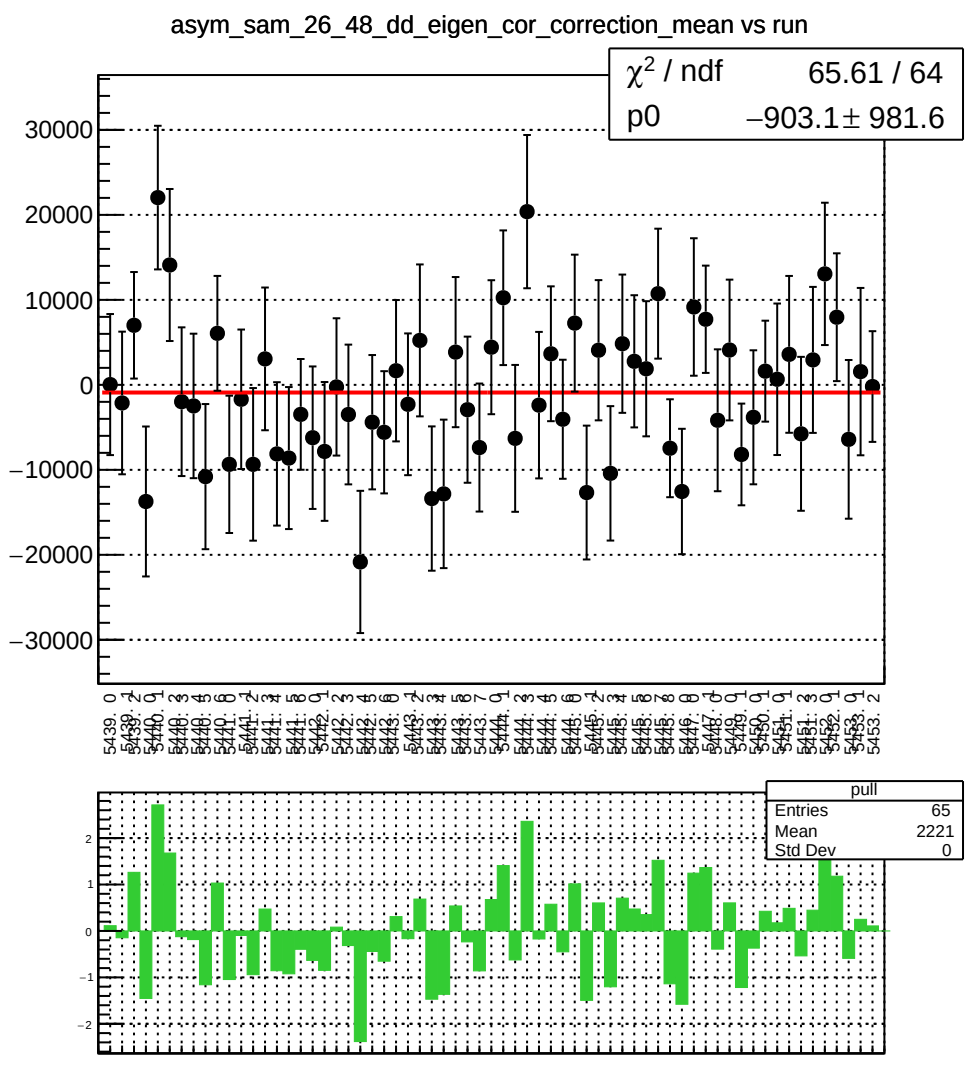

pull1D
Entries 65
Mean 0.001008
Std Dev 1.005

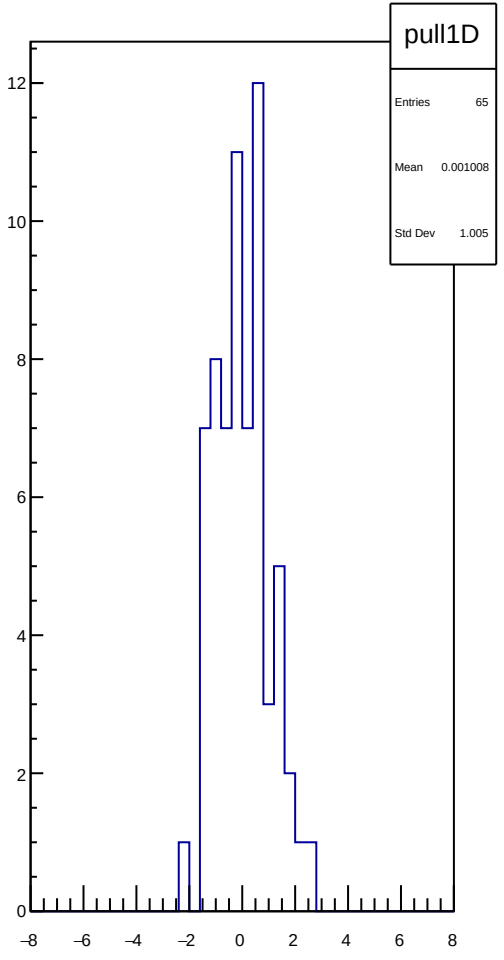

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 3700 / 64
p0 795 ± 0.6941
950
900
850
800
750
700

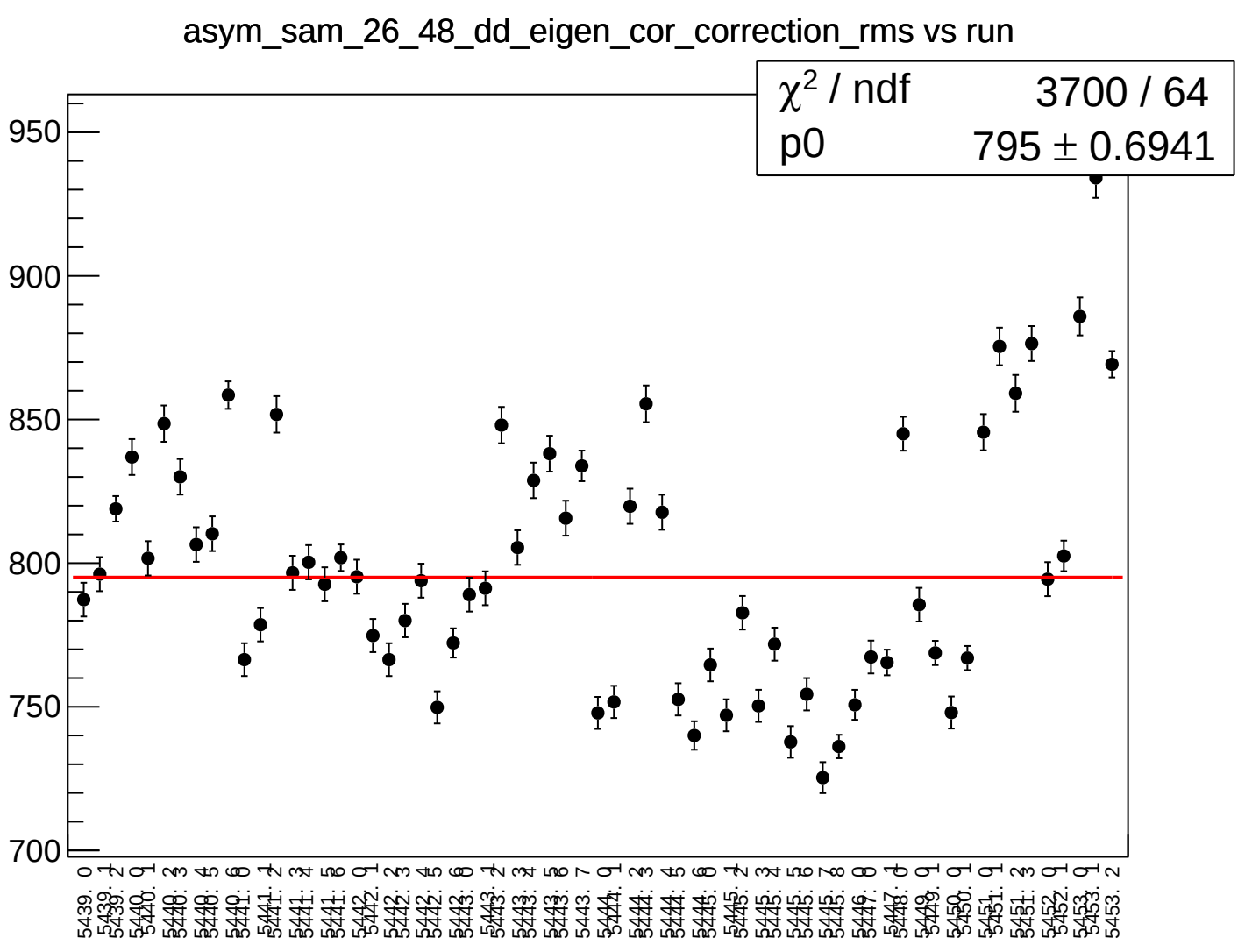

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 49.43 / 64
p0 200.3 ± 158.9
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −38.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

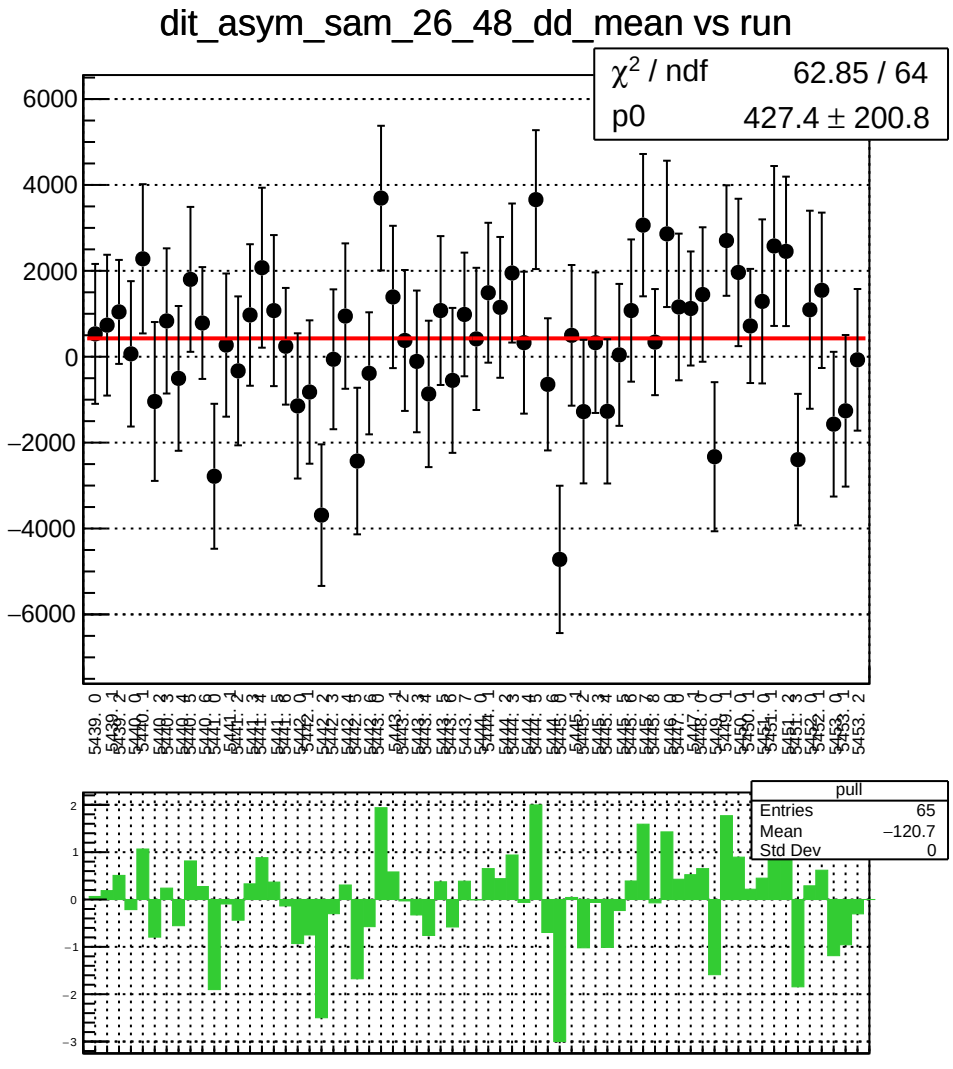

pull1D
Entries 65
Mean −0.01023
Std Dev 0.872
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

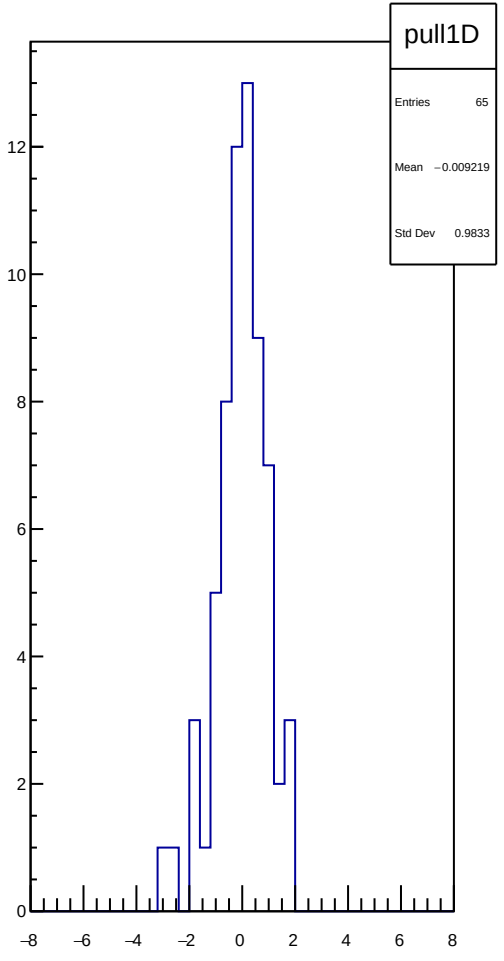

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 3318 / 64
p0 128.7 ± 0.1123
180
170
160
150
140
130
120

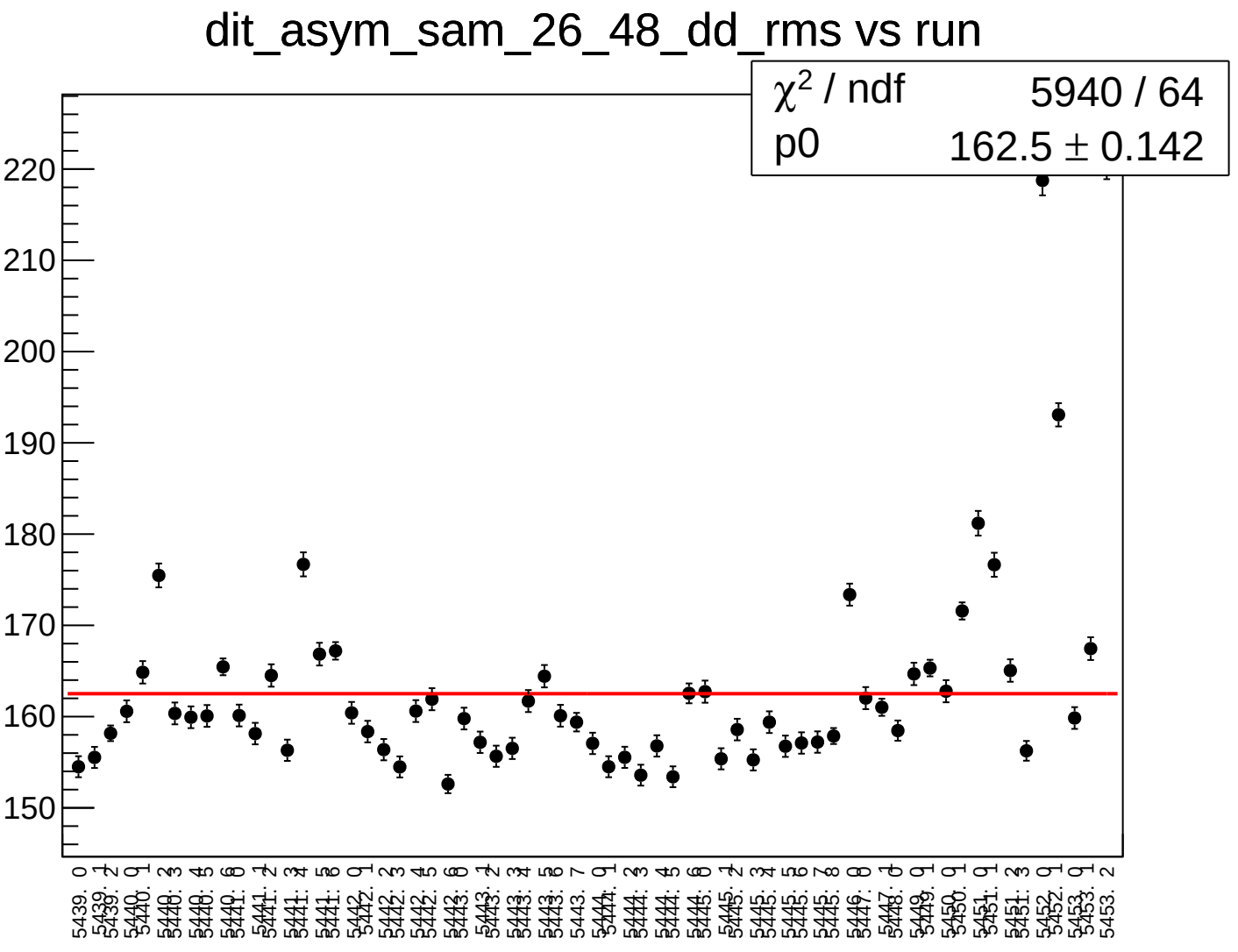

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.61 / 64
p0 −903.1± 981.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean 2221
Std Dev 0
2
1
0
−1
−2

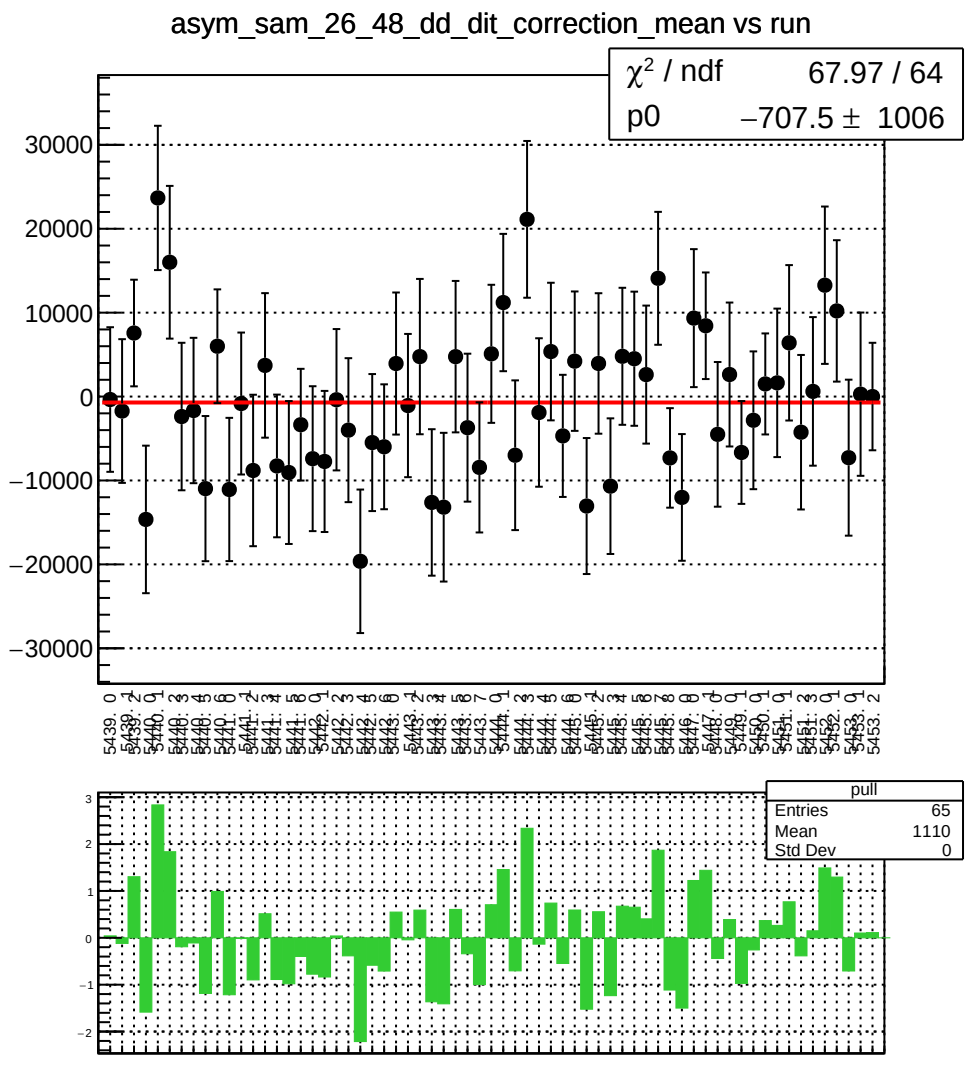

pull1D
Entries 65
Mean 0.001008
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

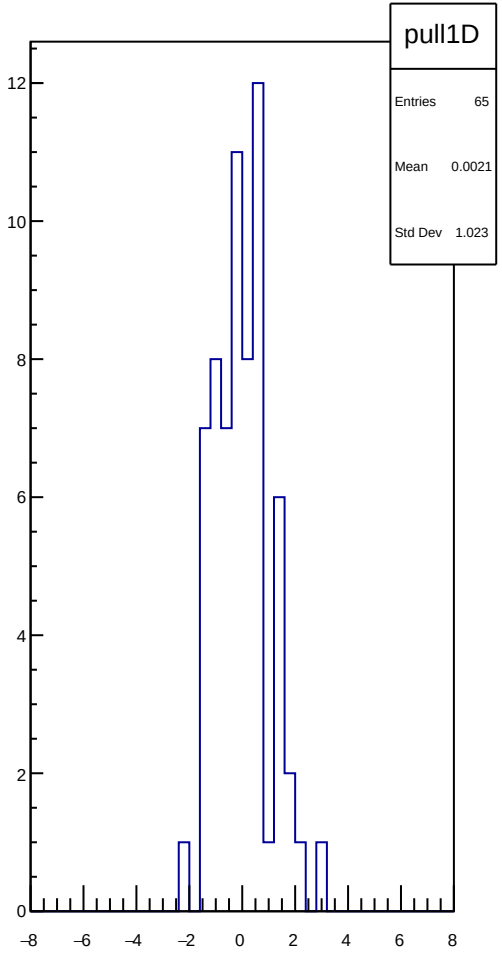

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 3700 / 64
p0 795 ± 0.6941
950
900
850
800
750
700

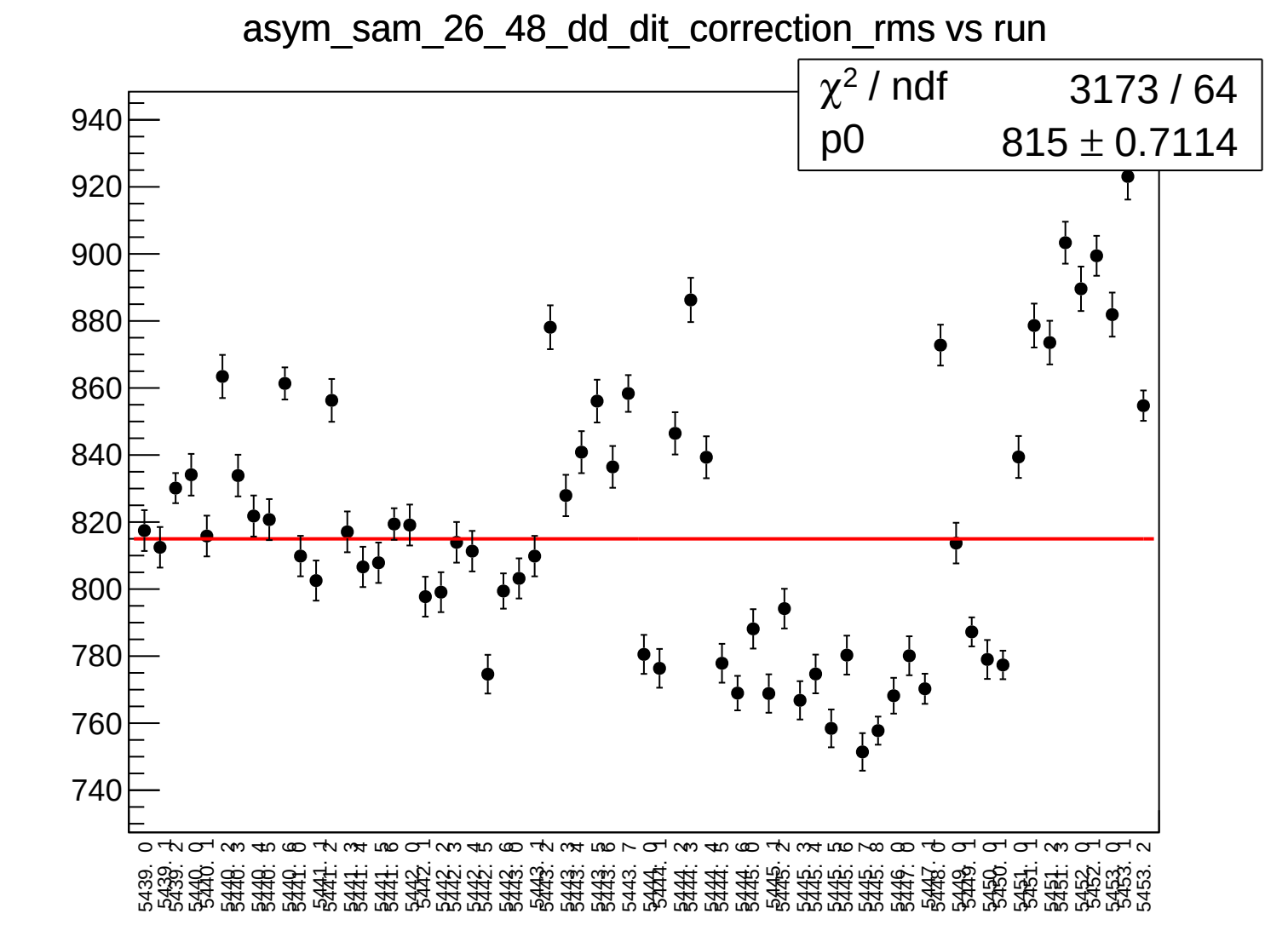

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.85 / 64
p0 427.4 ± 200.8
pull
Entries 65
Mean −120.7
Std Dev 0

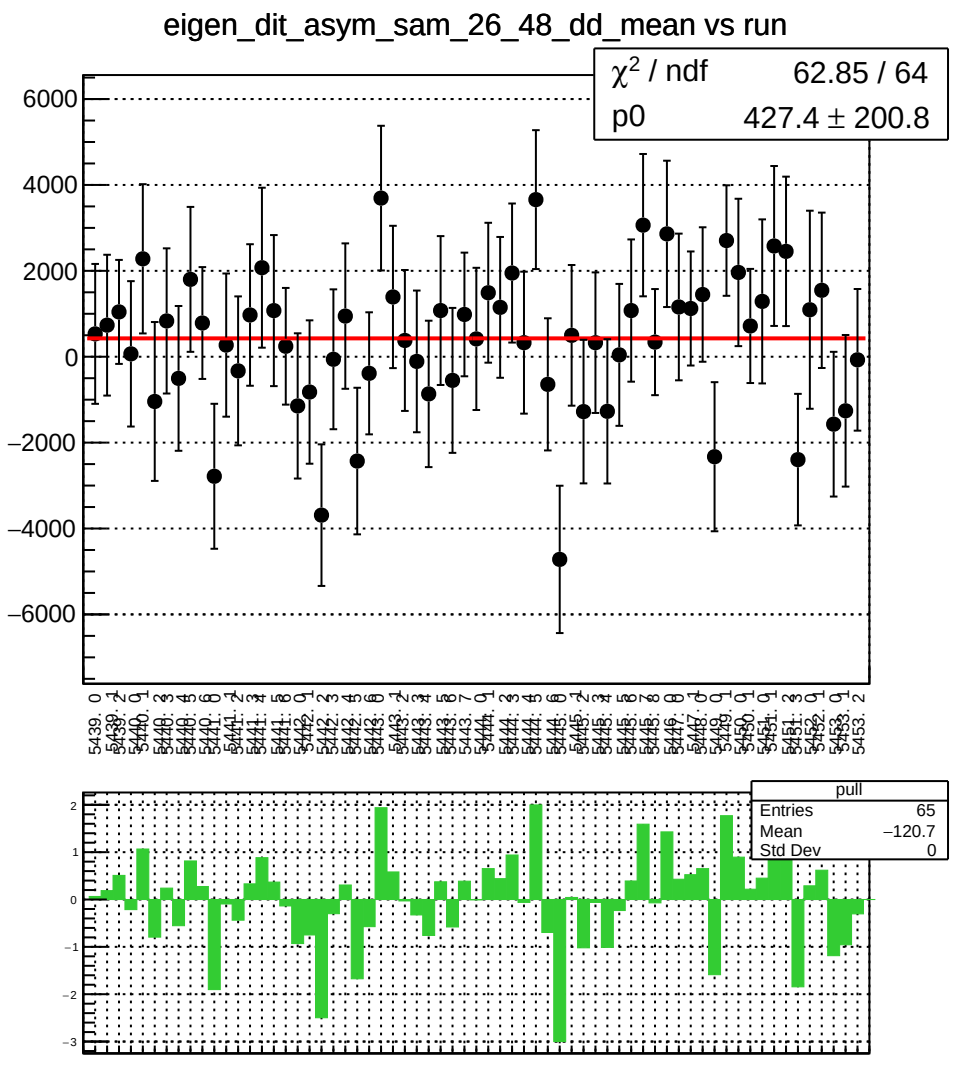

pull1D
Entries 65
Mean −0.009219
Std Dev 0.9833

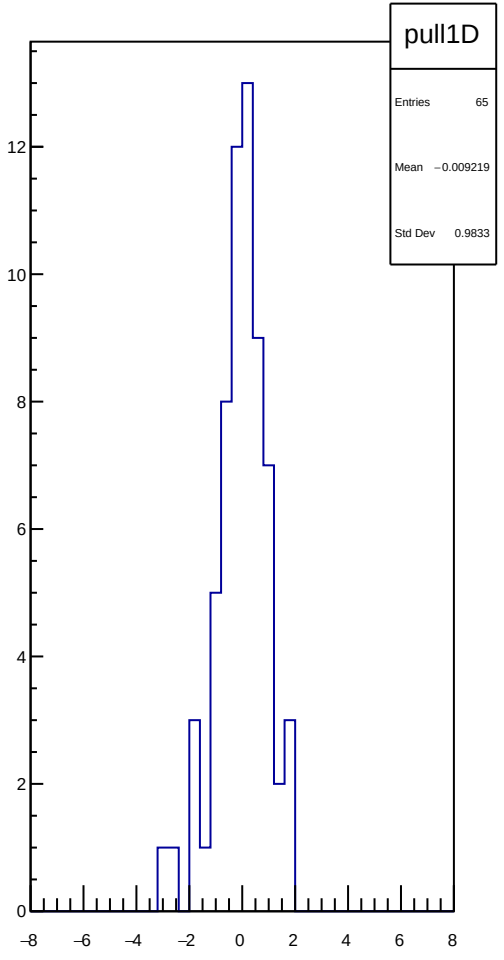

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 5940 / 64
p0 162.5 ± 0.142
220
210
200
190
180
170
160
150

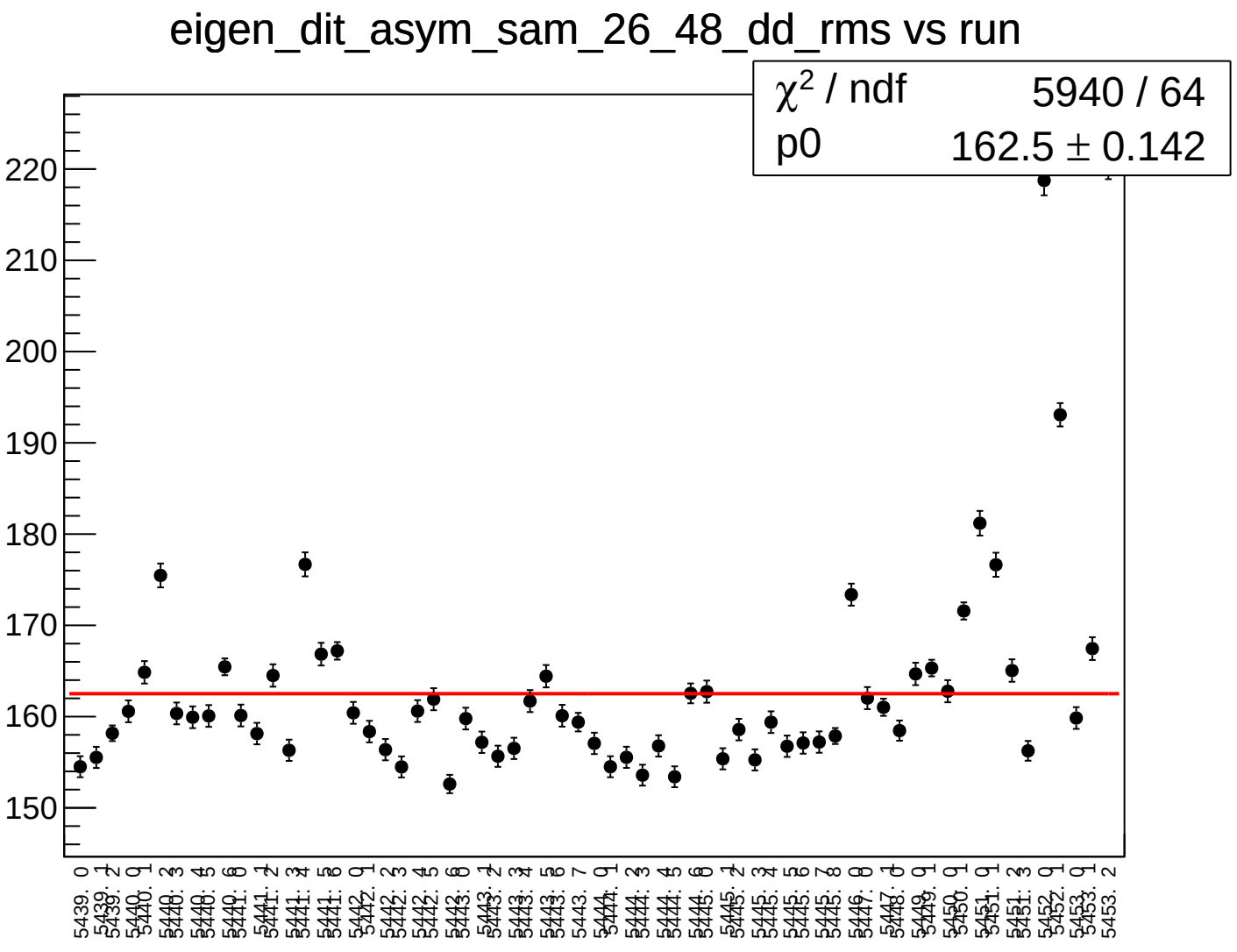

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 67.97 / 64
p0 −707.5 ± 1006
pull
Entries 65
Mean 1110
Std Dev 0

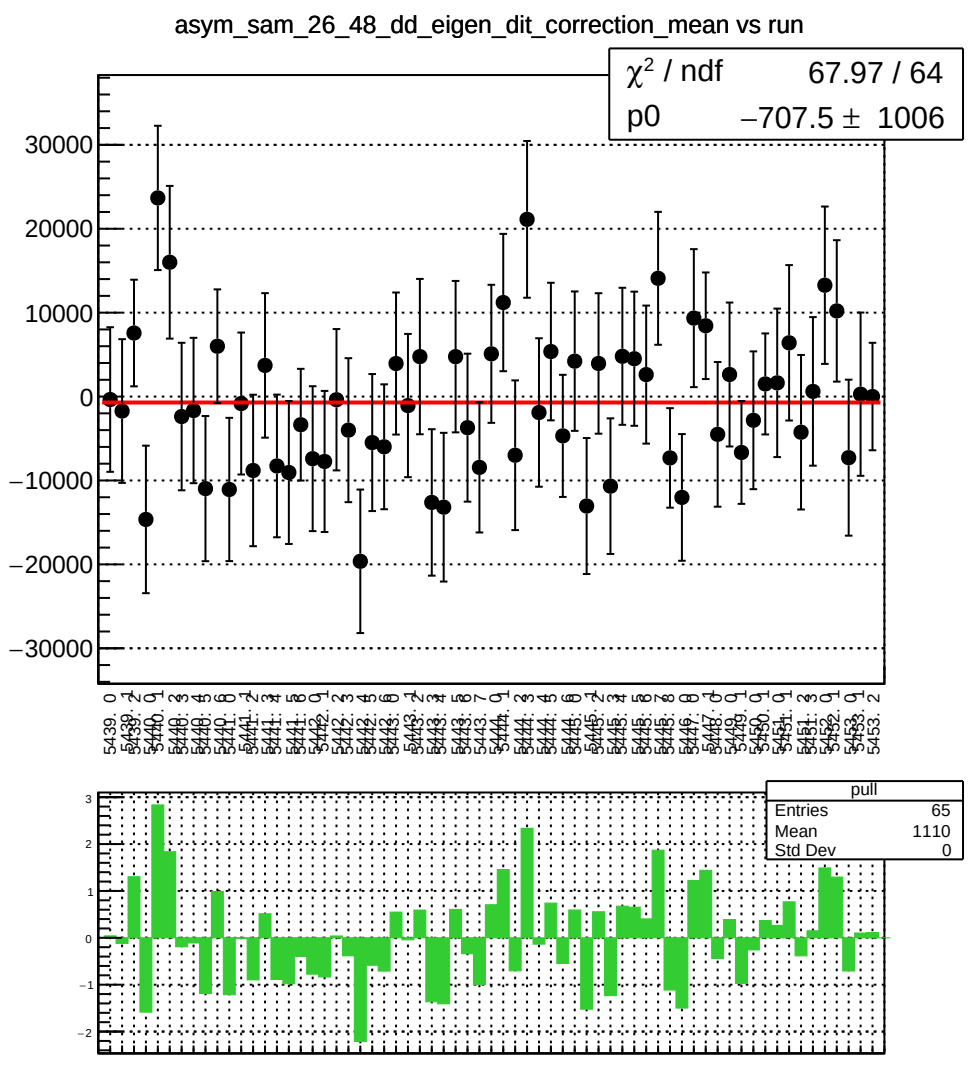

pull1D
Entries 65
Mean 0.0021
Std Dev 1.023

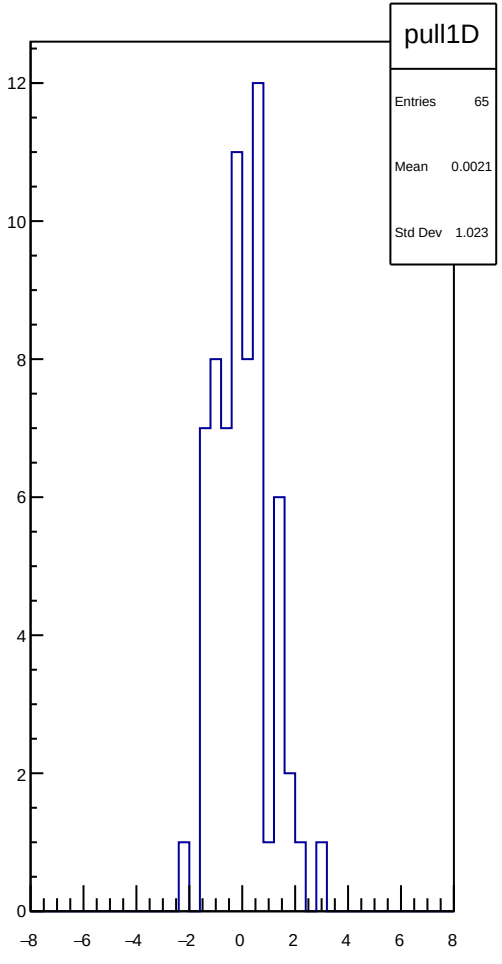

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 3173 / 64
p0 815 ± 0.7114
940
920
900
880
860
840
820
800
780
760
740

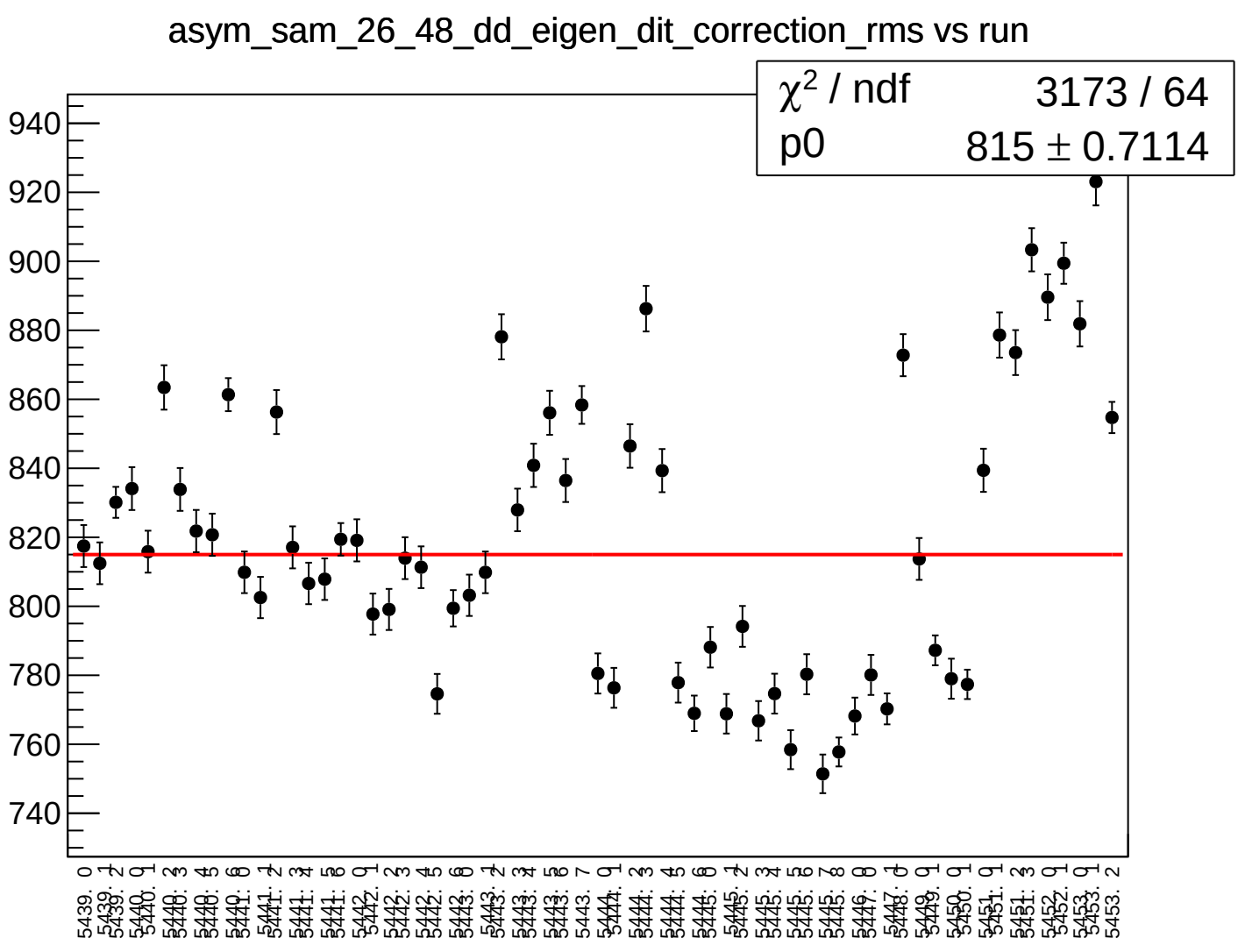

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.85 / 64
p0 427.4 ± 200.8
pull
Entries 65
Mean −120.7
Std Dev 0

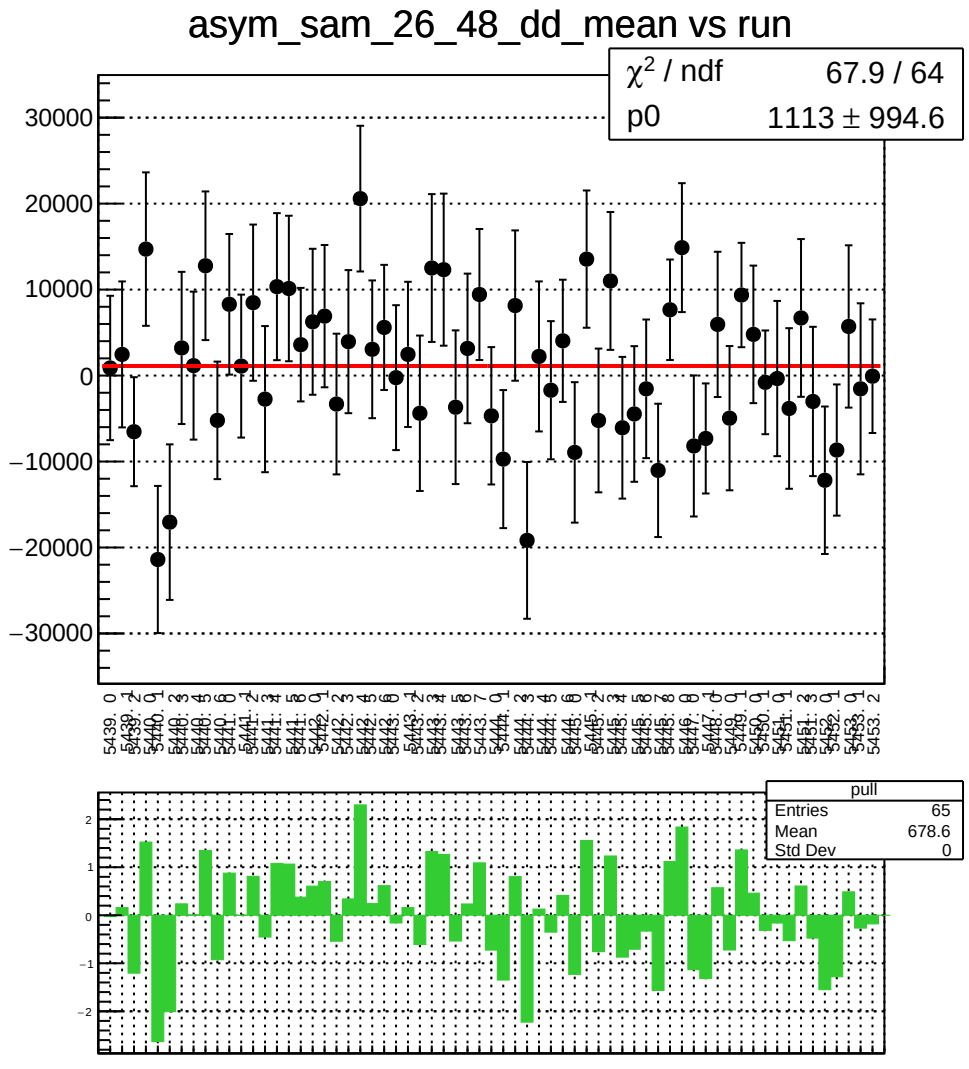

pull1D
Entries 65
Mean −0.009219
Std Dev 0.9833

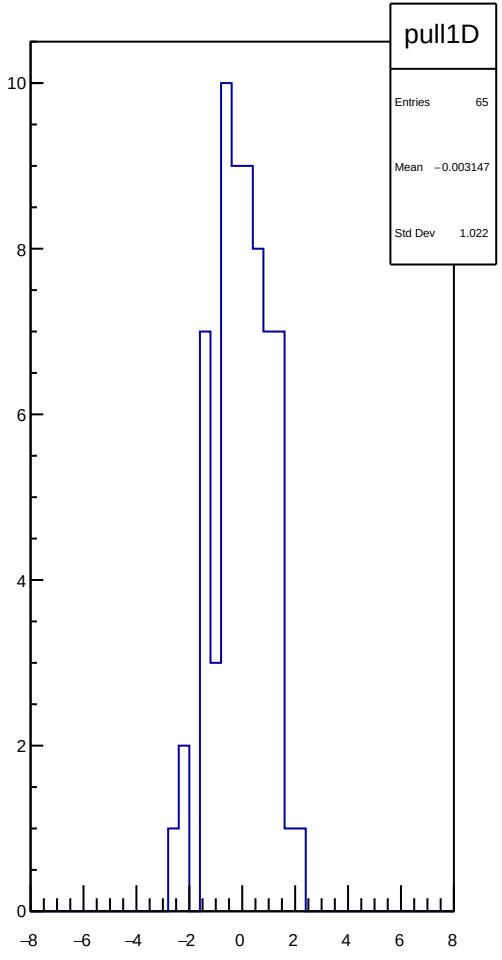

eigen_dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 5940 / 64
p0 162.5 ± 0.142
220
210
200
190
180
170
160
150

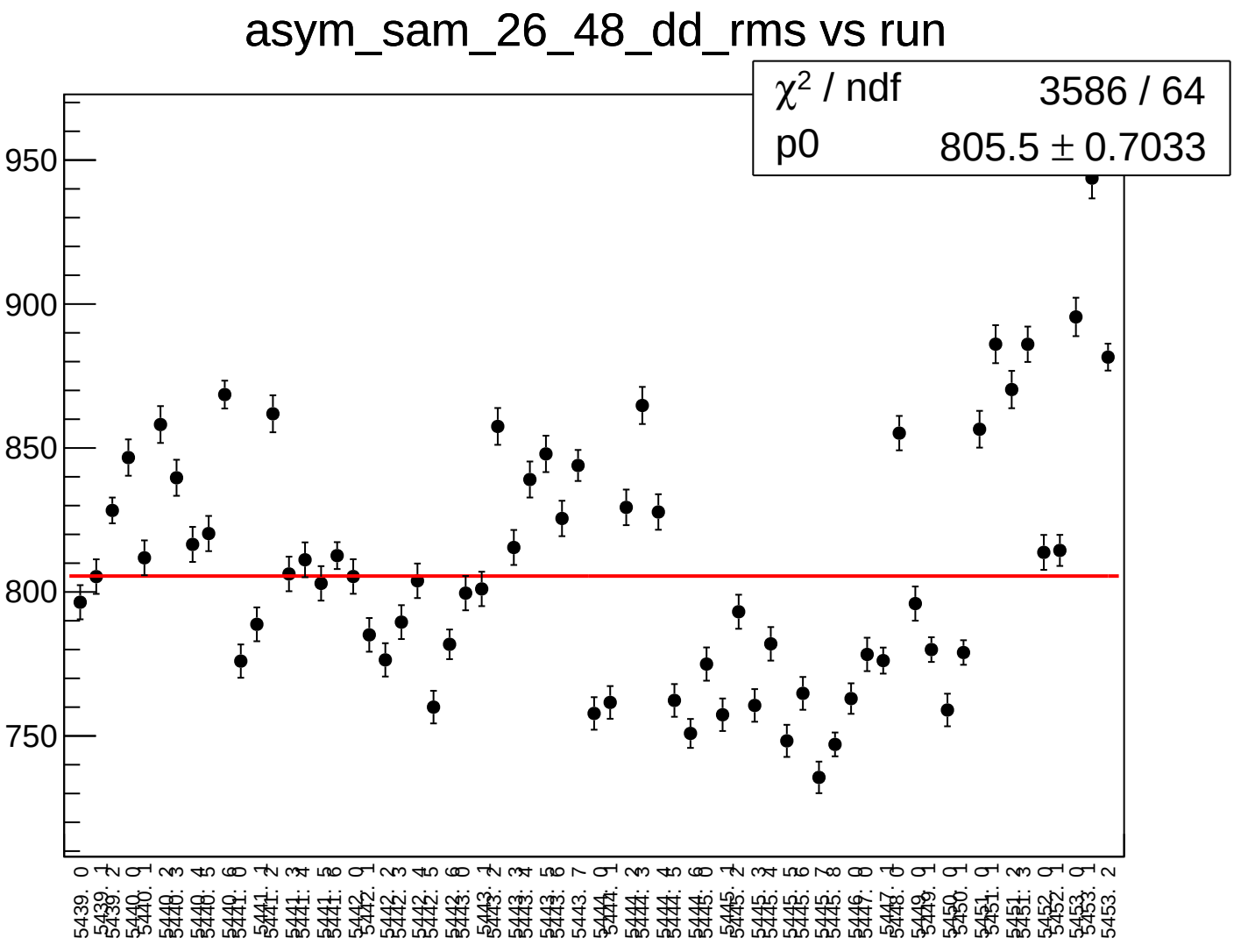

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.97 / 64
p0 −707.5 ± 1006
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 65
Mean 1110
Std Dev 0
3
2
1
0
−1
−2

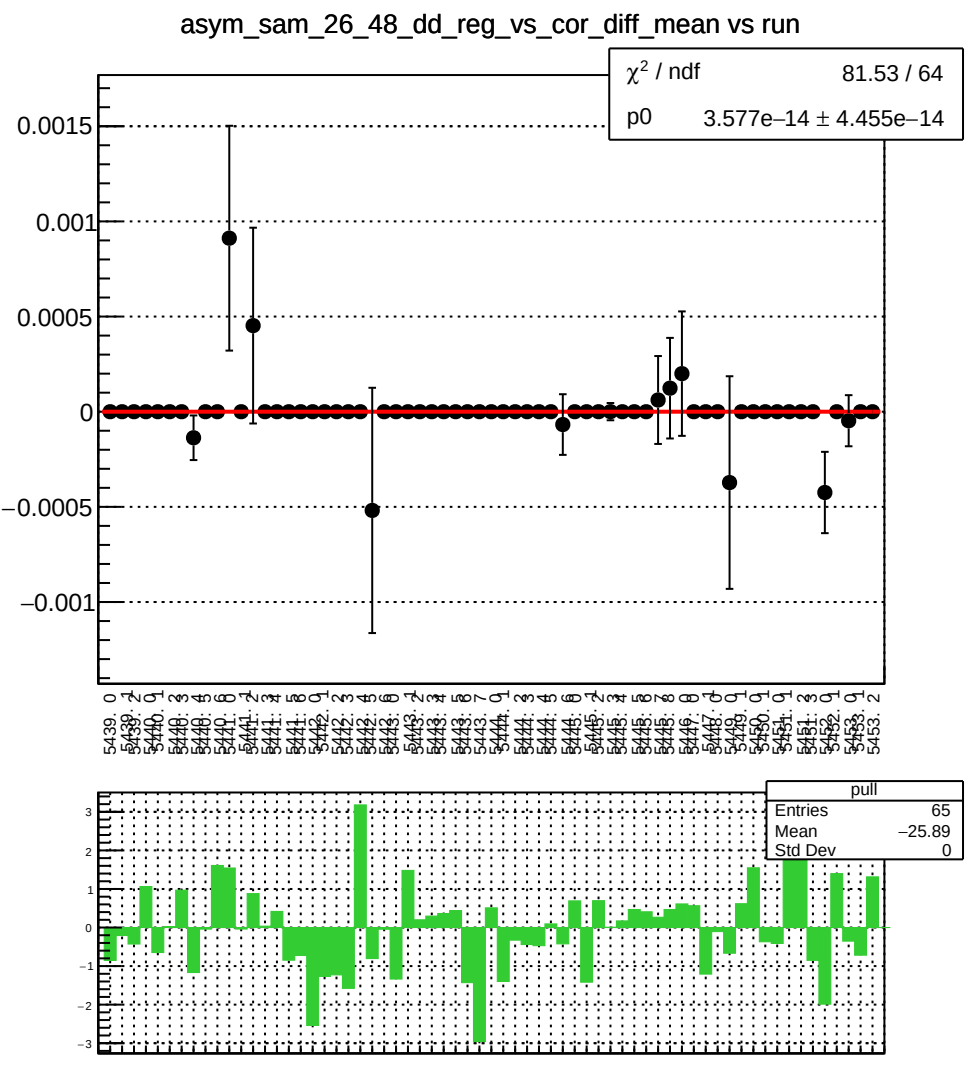

pull1D
Entries 65
Mean 0.0021
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

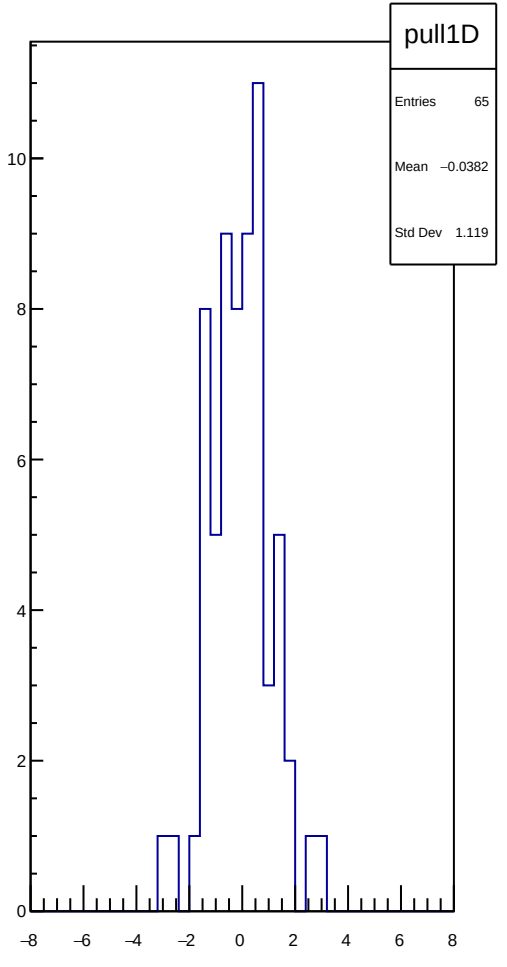

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3173 / 64
p0 815 ± 0.7114
940
920
900
880
860
840
820
800
780
760
740

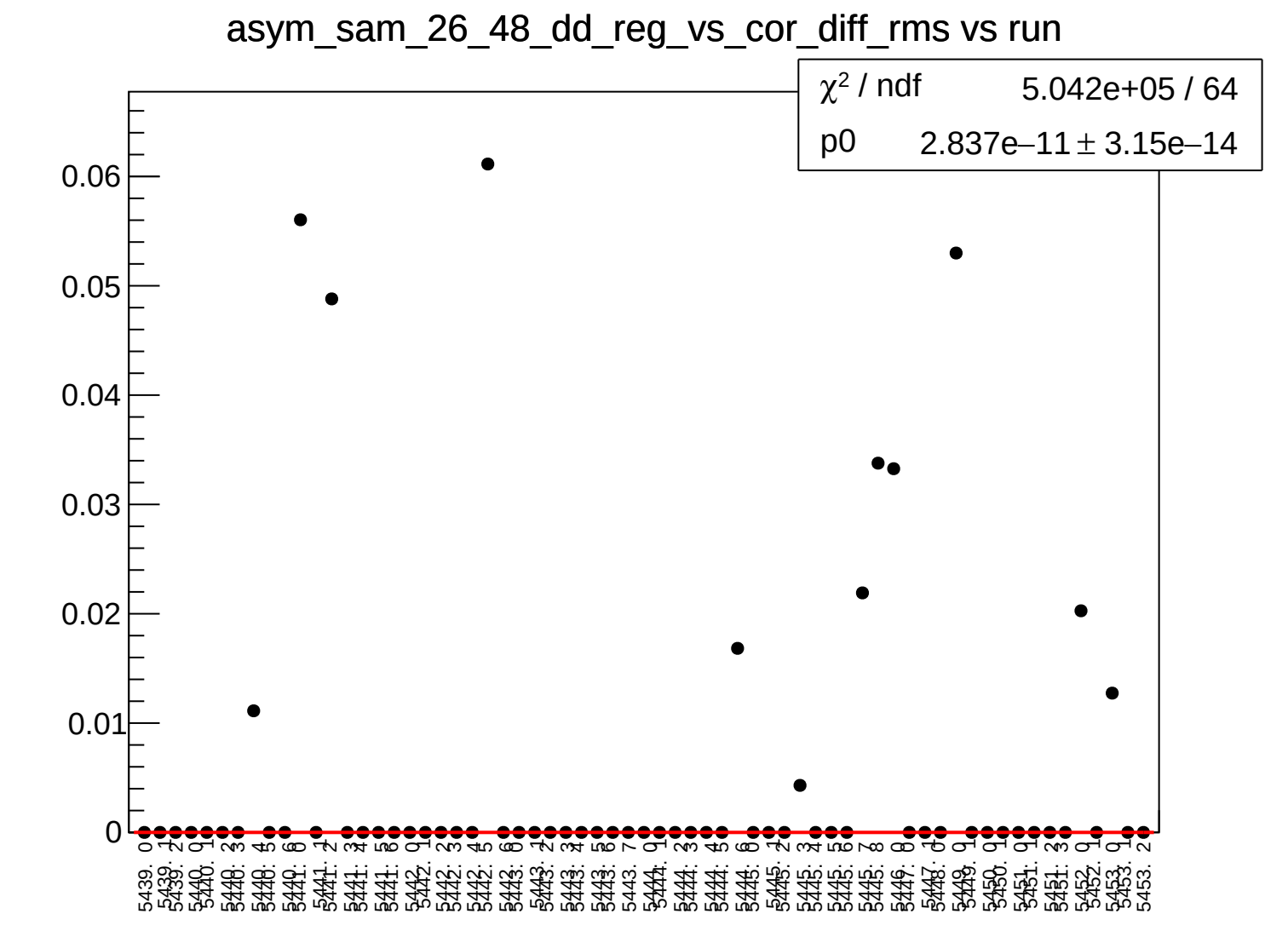

asym_sam_26_48_dd_mean vs run
χ² / ndf 67.9 / 64
p0 1113 ± 994.6
pull
Entries 65
Mean 678.6
Std Dev 0

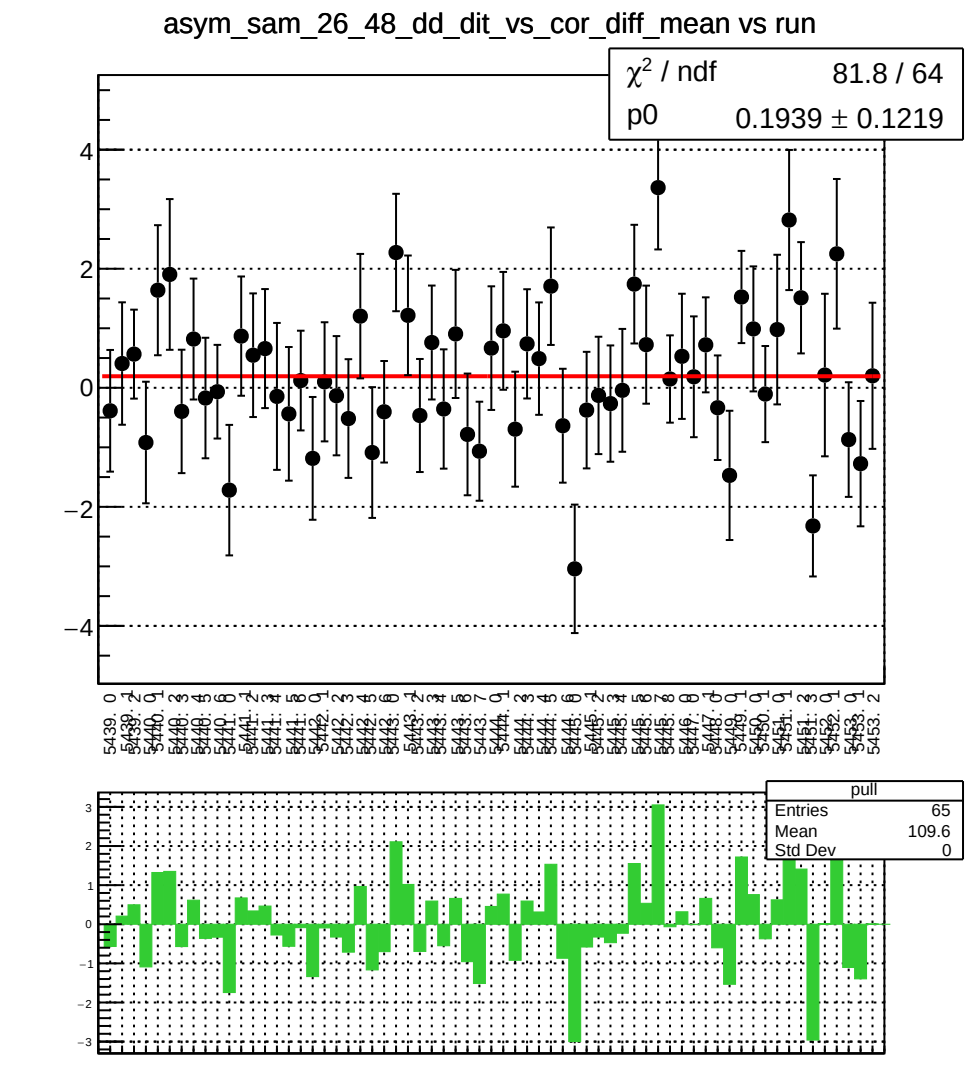

pull1D
Entries 65
Mean −0.003147
Std Dev 1.022

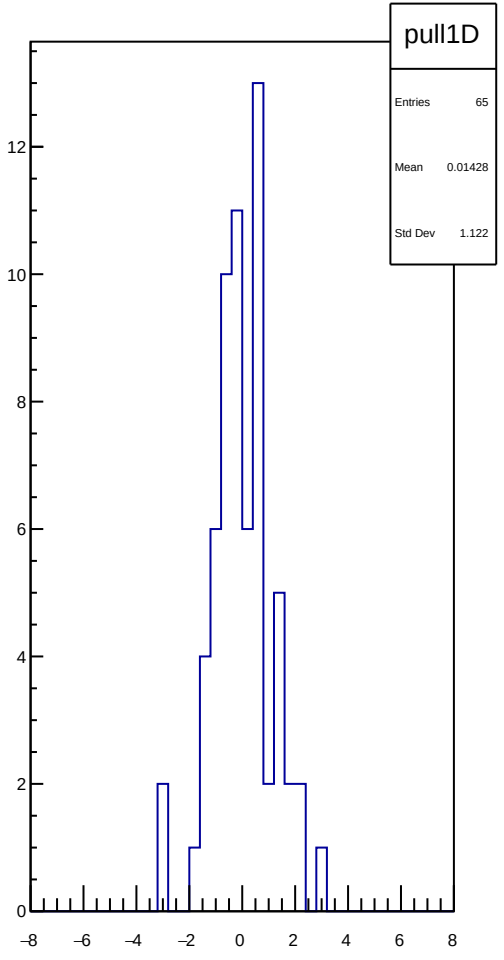

asym_sam_26_48_dd_rms vs run
χ² / ndf 3586 / 64
p0 805.5 ± 0.7033
950
900
850
800
750

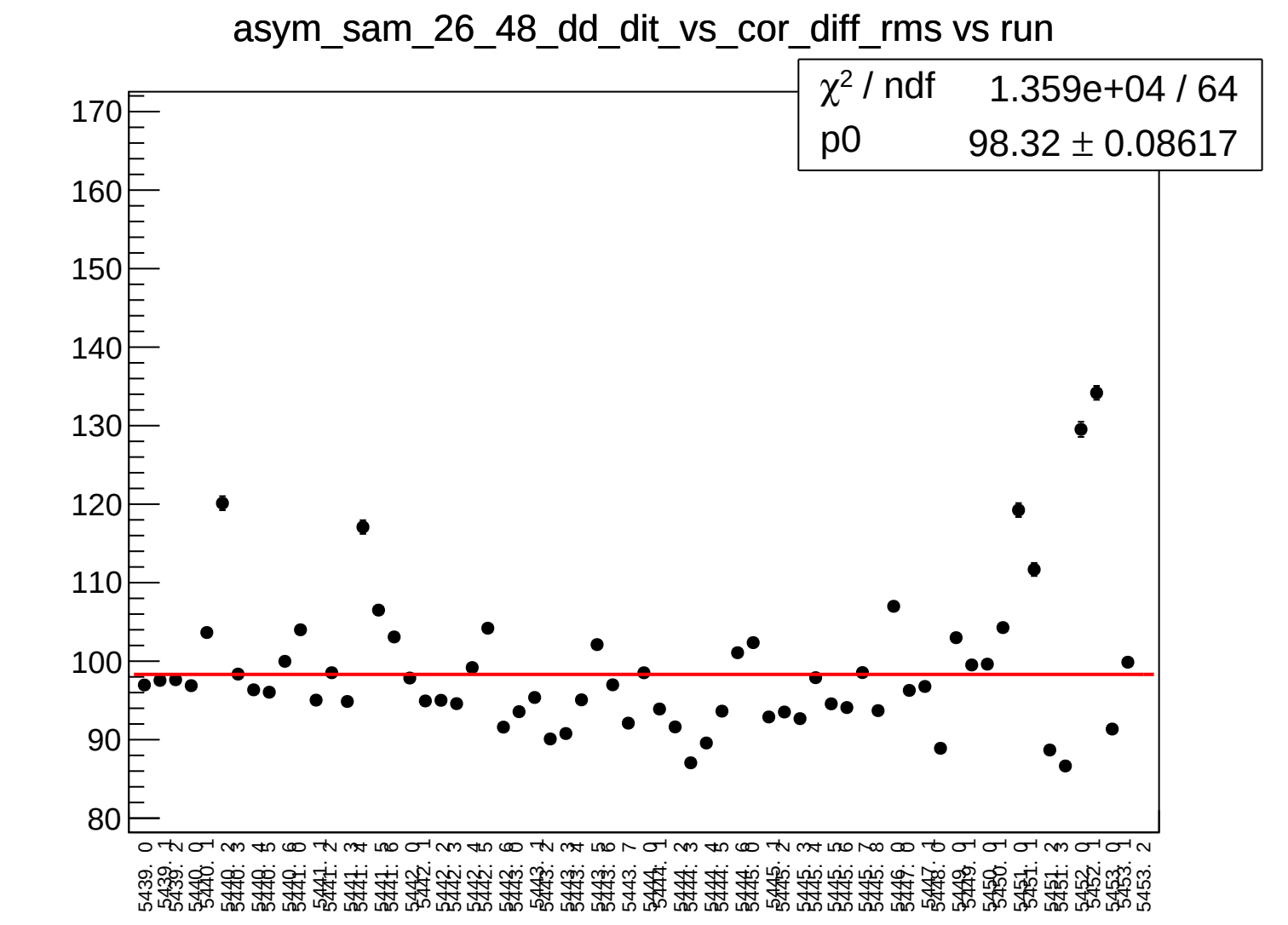

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.53 / 64
p0 3.577e−14 ± 4.455e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 65
Mean −25.89
Std Dev 0
3
2
1
0
−1
−2
−3

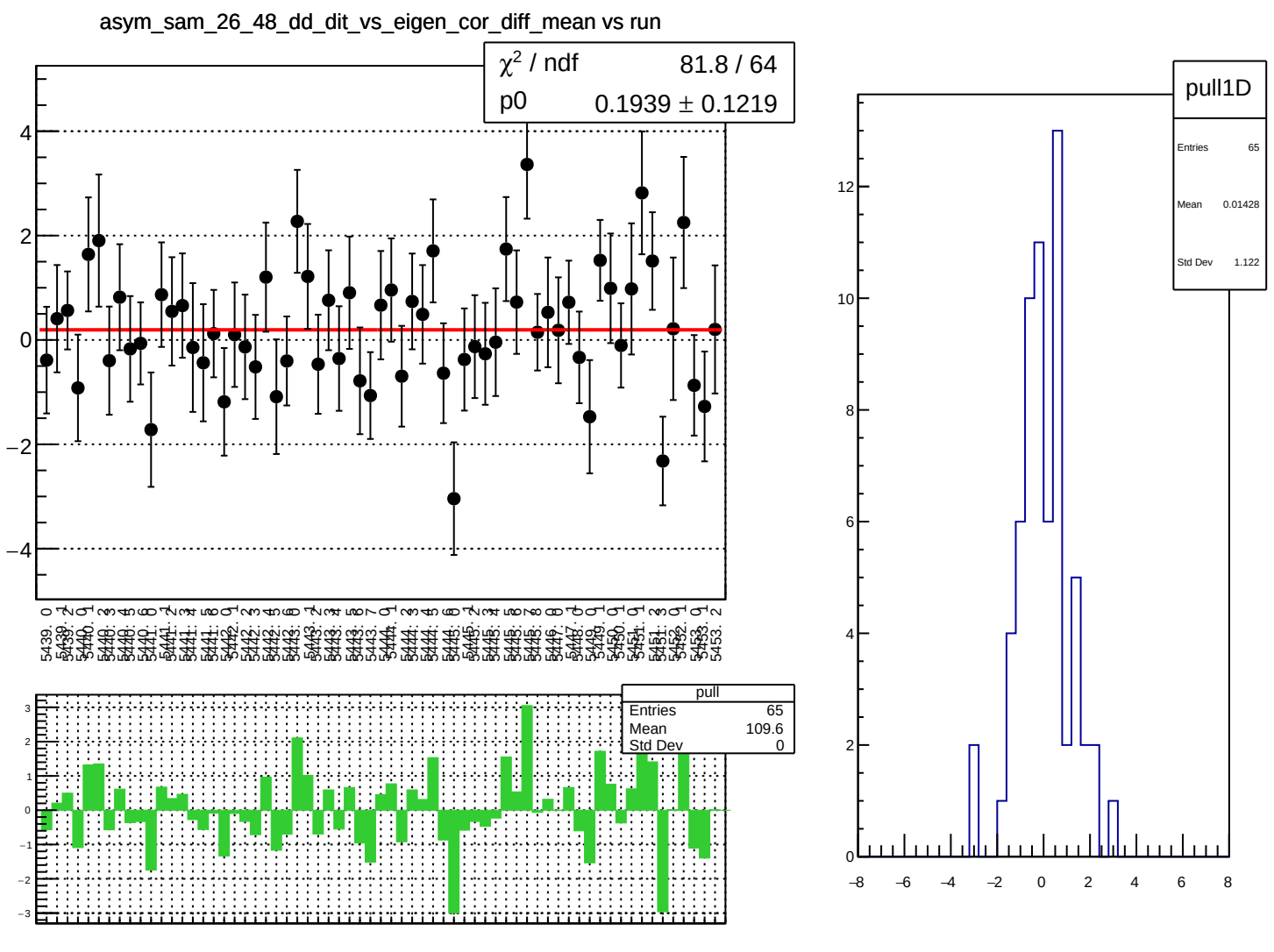

pull1D
Entries 65
Mean −0.0382
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

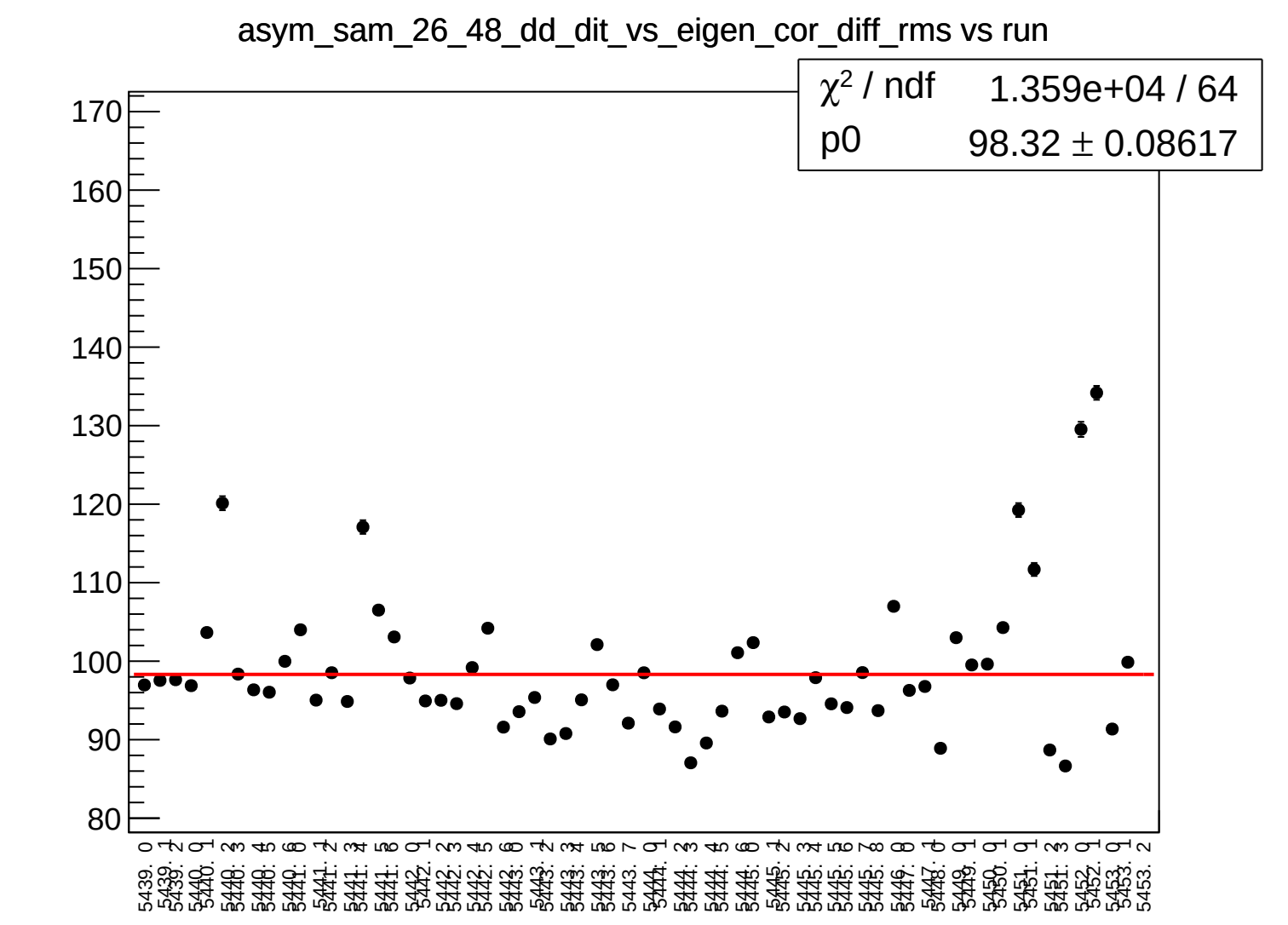

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.042e+05 / 64
p0 2.837e−11 ± 3.15e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

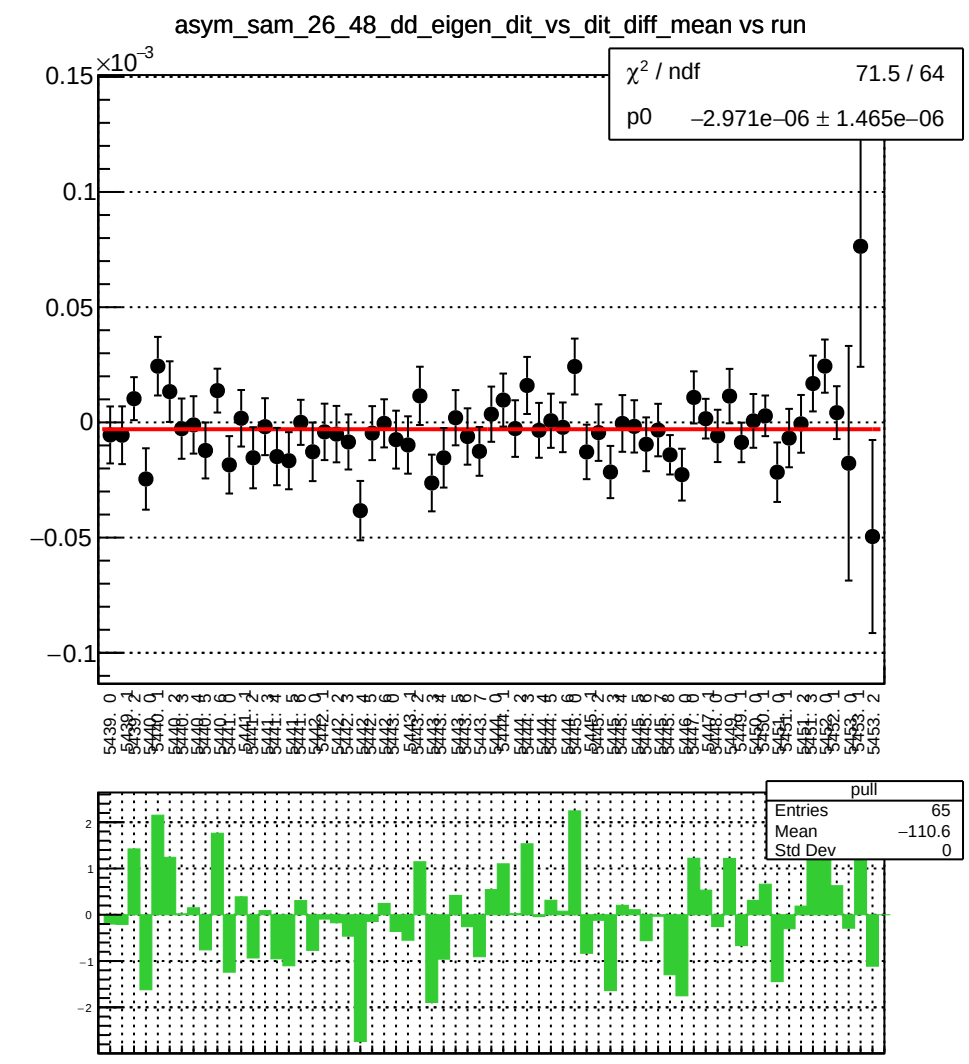

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 81.8 / 64
p0 0.1939 ± 0.1219
pull
Entries 65
Mean 109.6
Std Dev 0

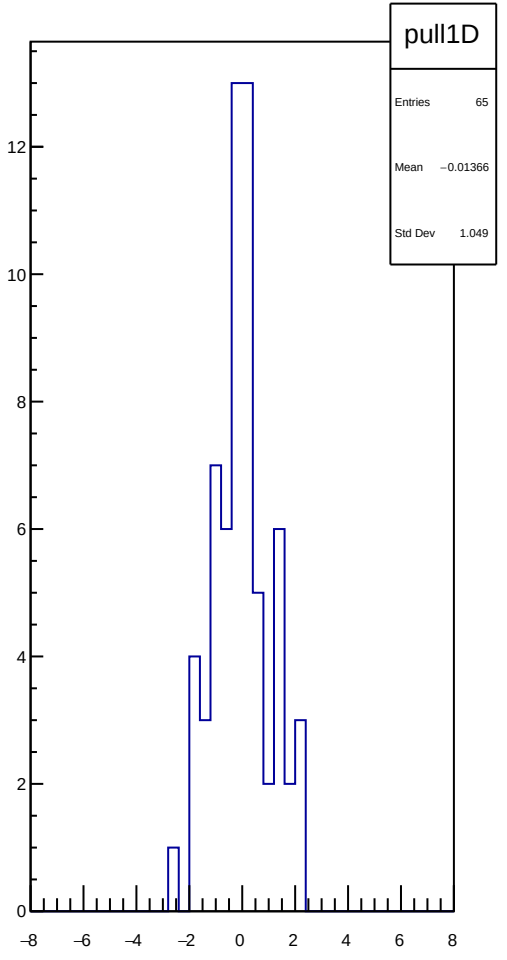

pull1D
Entries 65
Mean 0.01428
Std Dev 1.122

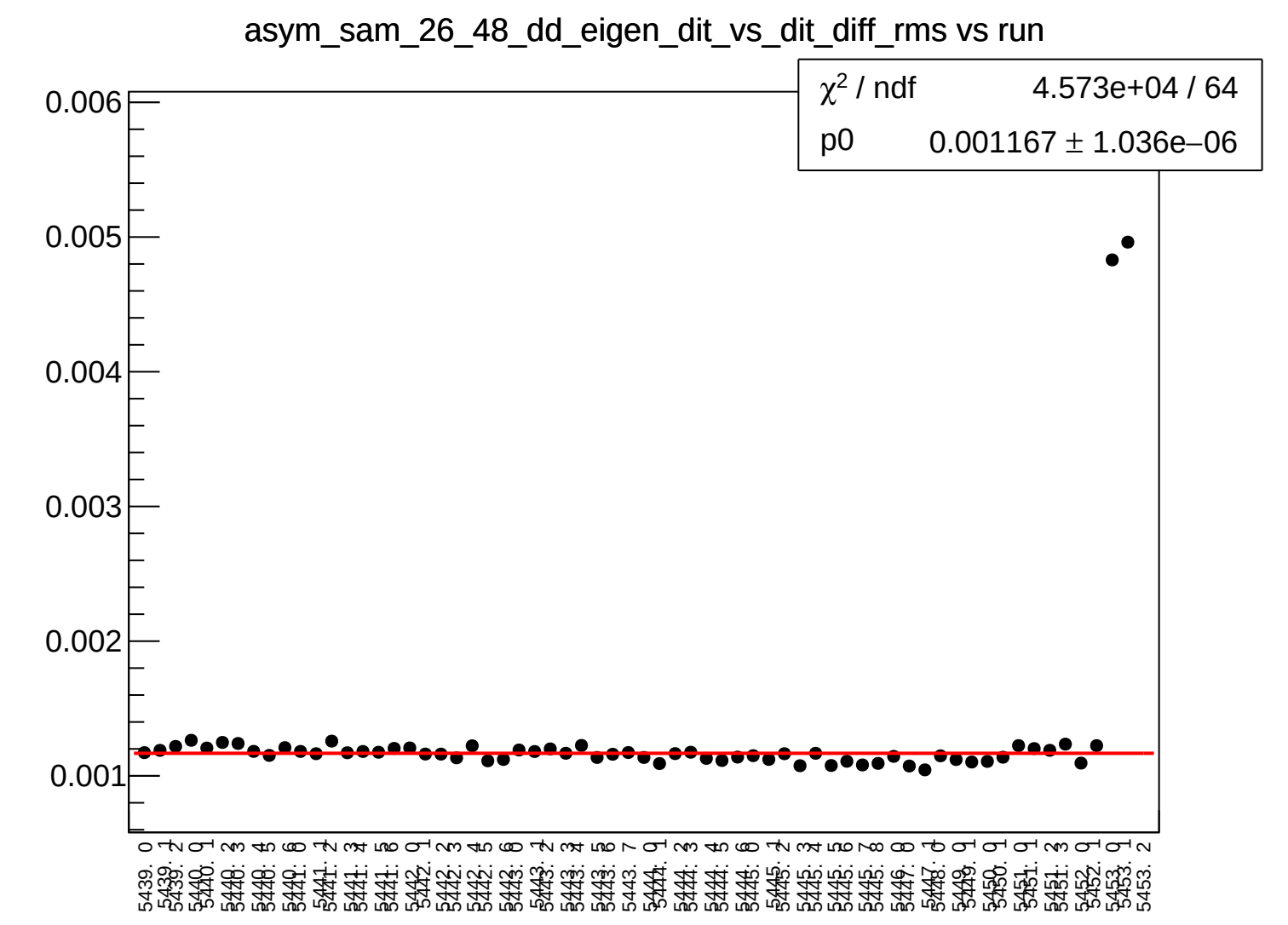

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.359e+04 / 64
p0 98.32 ± 0.08617
170
160
150
140
130
120
110
100
90
80

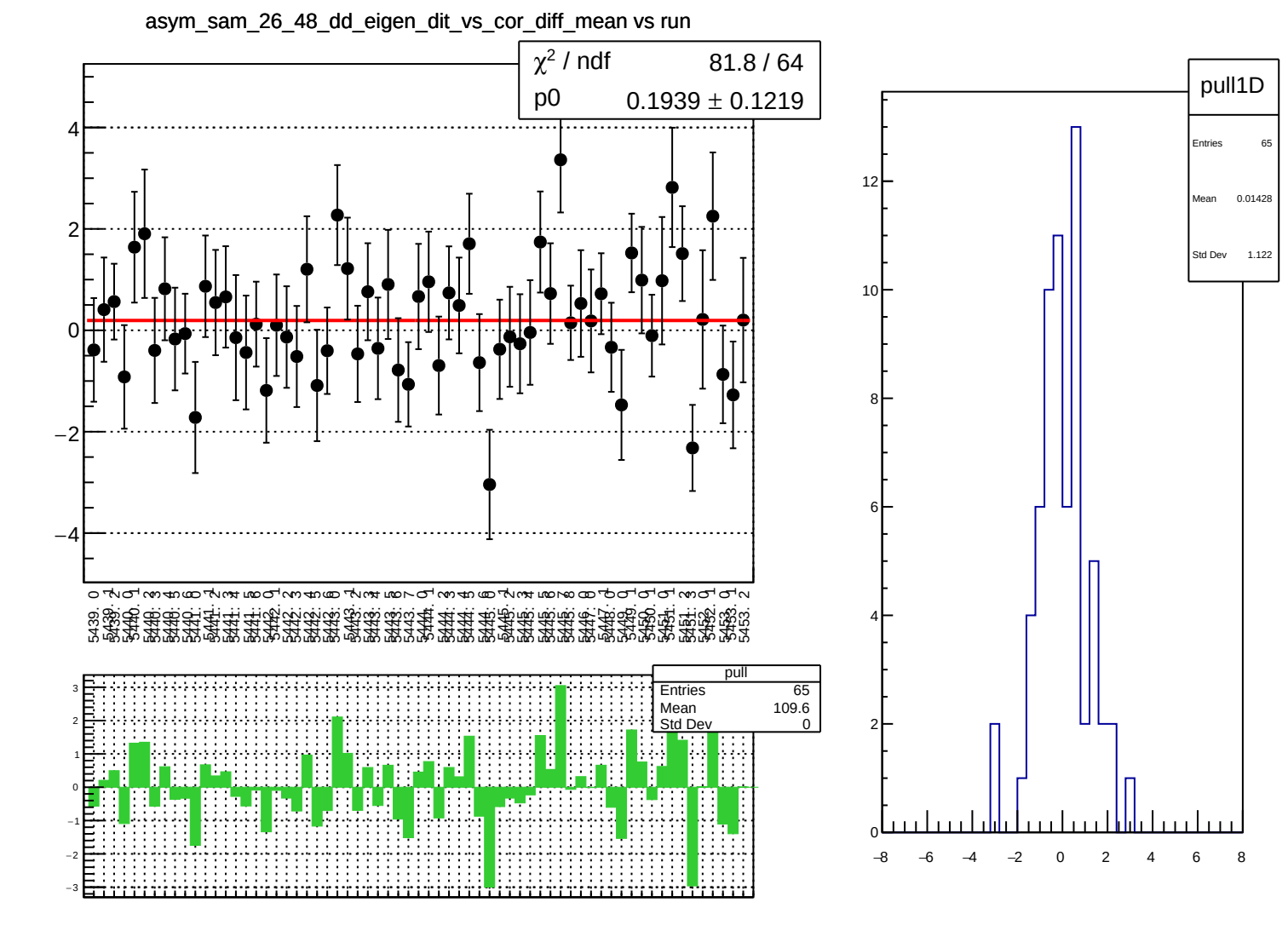

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.8 / 64
p0 0.1939 ± 0.1219
pull
Entries 65
Mean 109.6
Std Dev 0
pull1D
Entries 65
Mean 0.01428
Std Dev 1.122

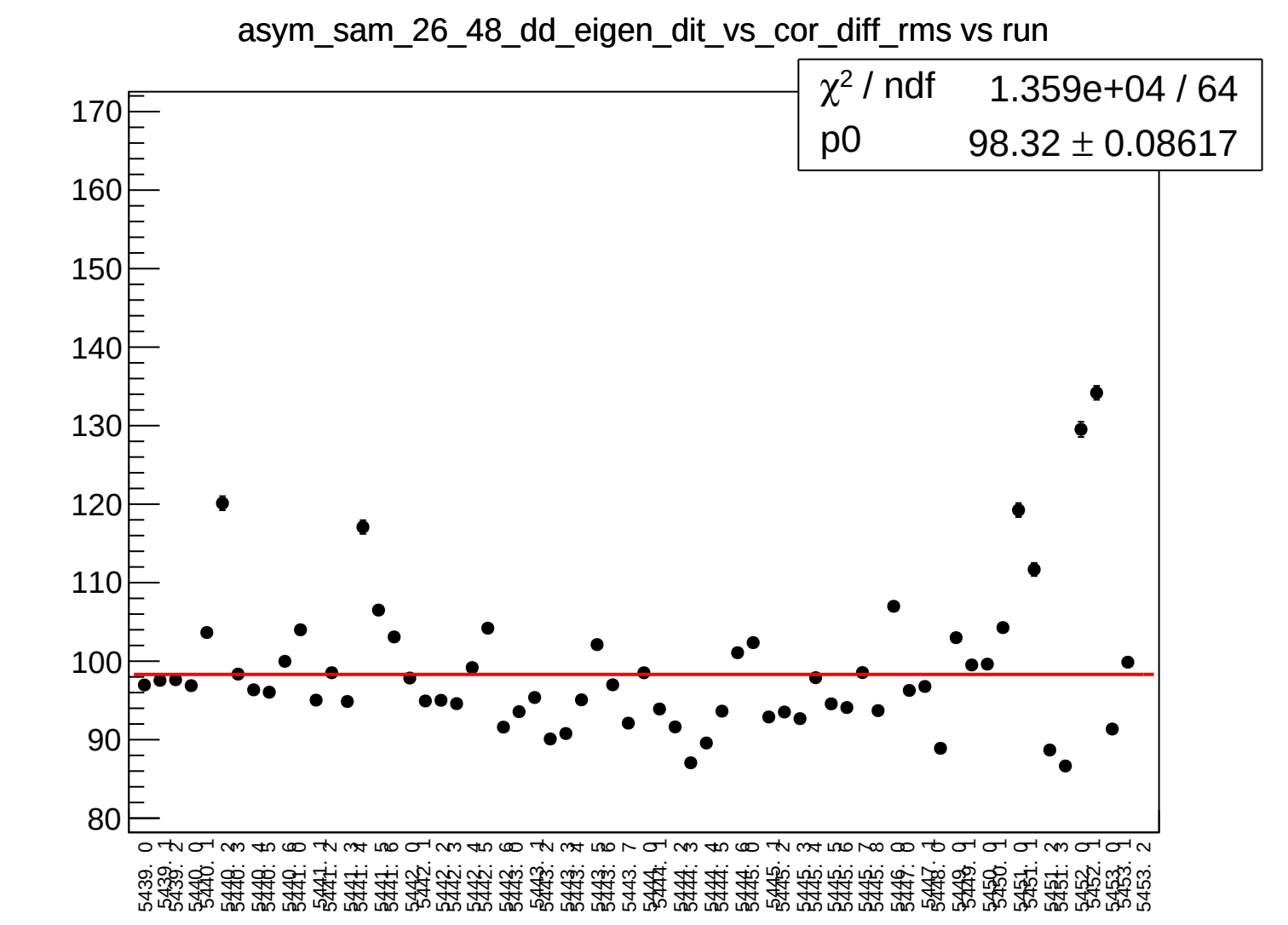

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.359e+04 / 64
p0 98.32 ± 0.08617
170
160
150
140
130
120
110
100
90
80

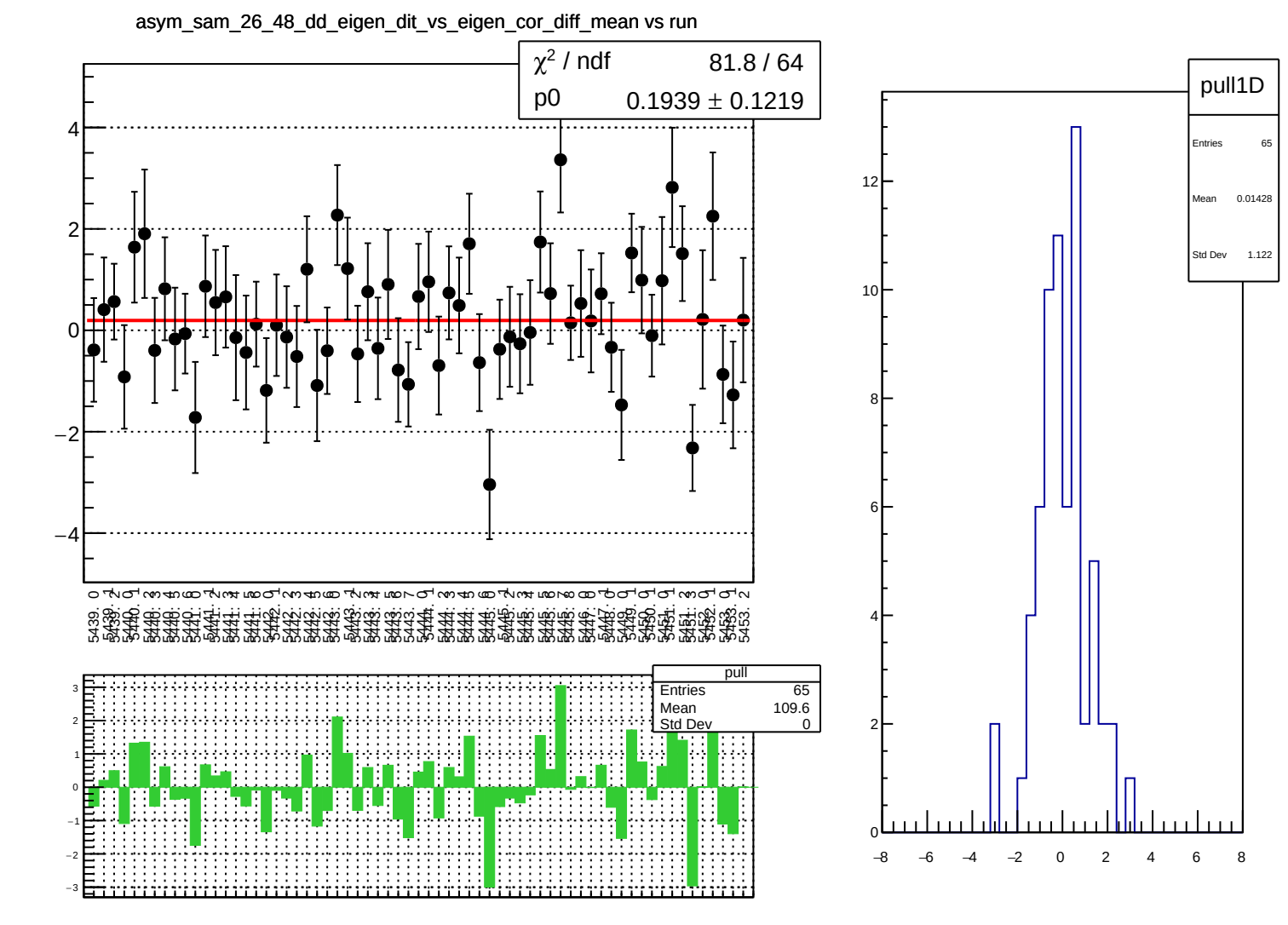

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.5 / 64
p0 −2.971e−06 ± 1.465e−06
pull
Entries 65
Mean −110.6
Std Dev 0

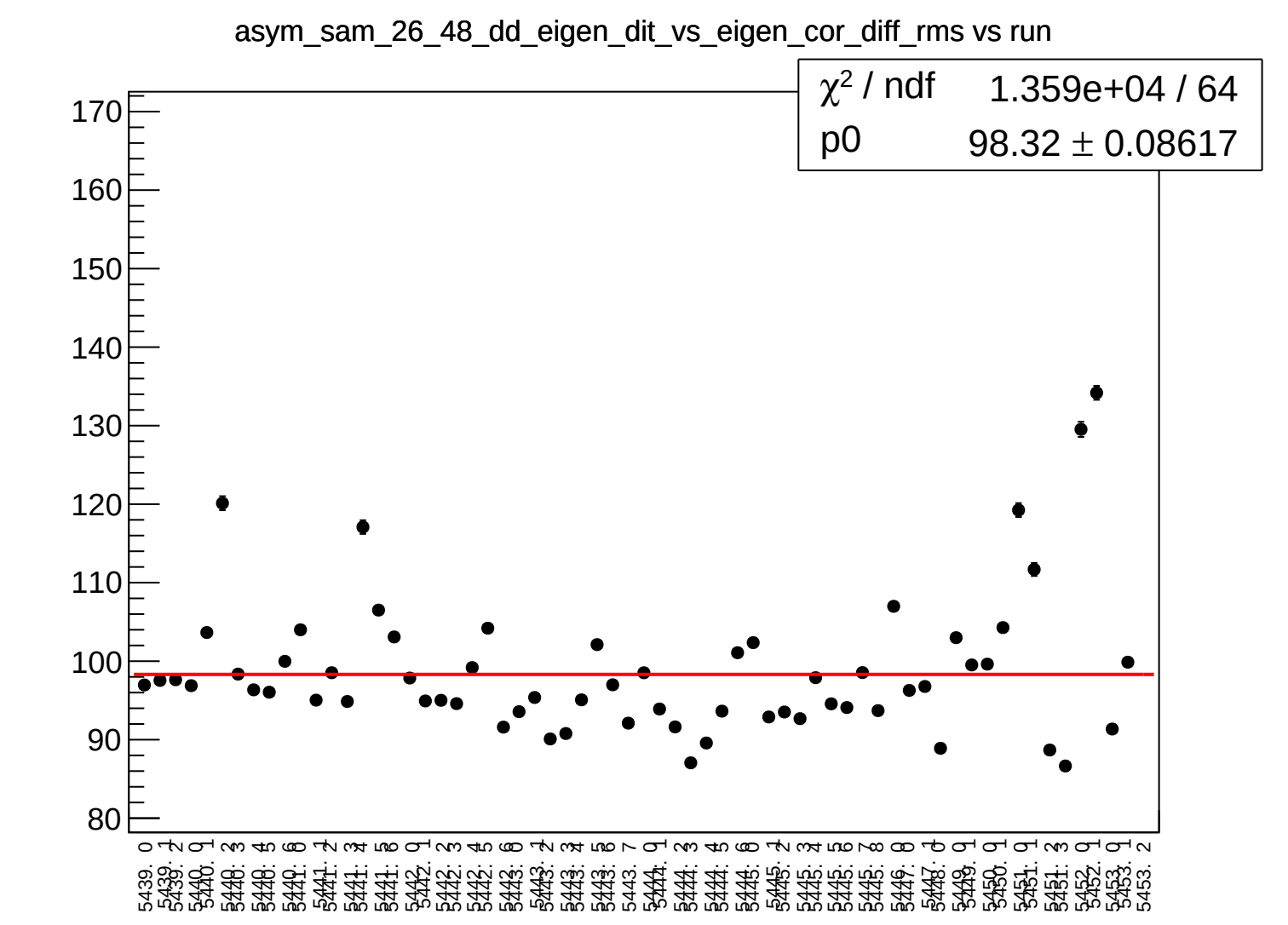

pull1D
Entries 65
Mean −0.01366
Std Dev 1.049

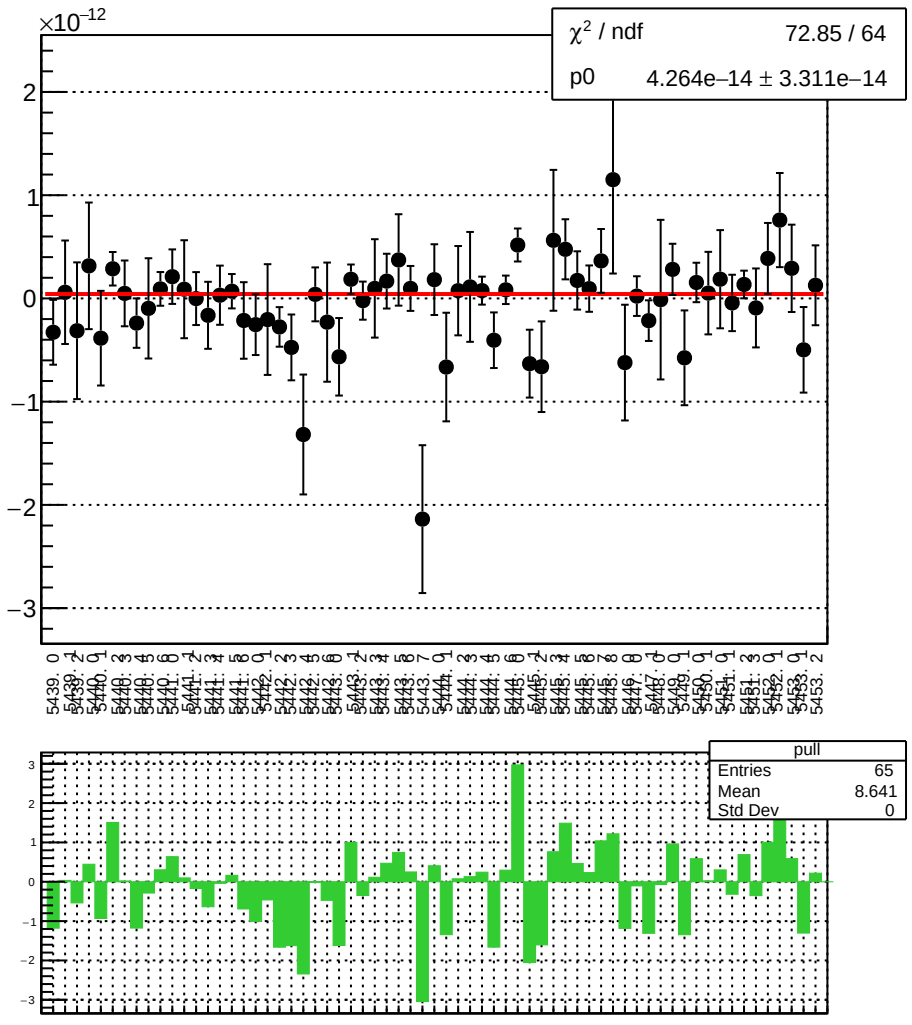

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.573e+04 / 64
p0 0.001167 ± 1.036e−06
0.006
0.005
0.004
0.003
0.002
0.001

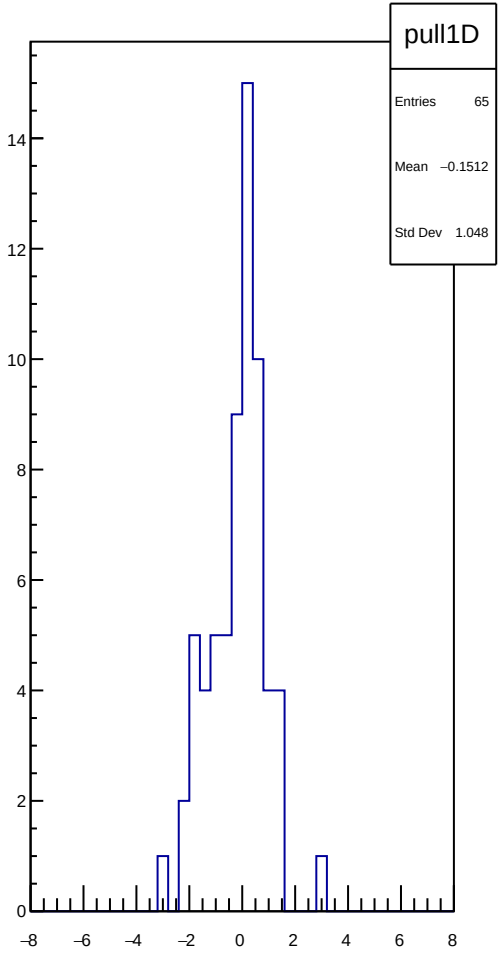

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.8 / 64
p0 0.1939 ± 0.1219
pull
Entries 65
Mean 109.6
Std Dev 0
pull1D
Entries 65
Mean 0.01428
Std Dev 1.122

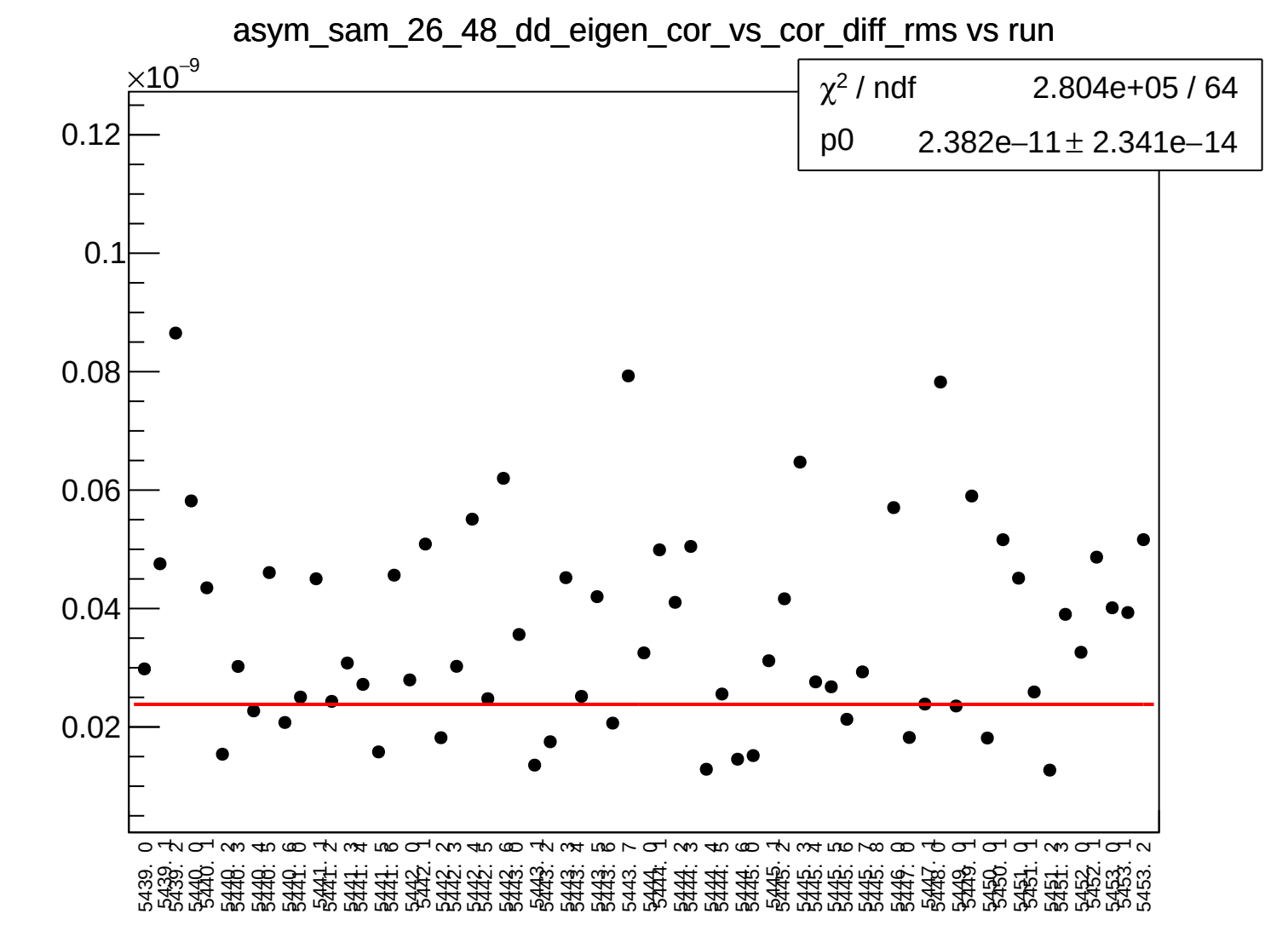

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.359e+04 / 64
p0 98.32 ± 0.08617
170
160
150
140
130
120
110
100
90
80

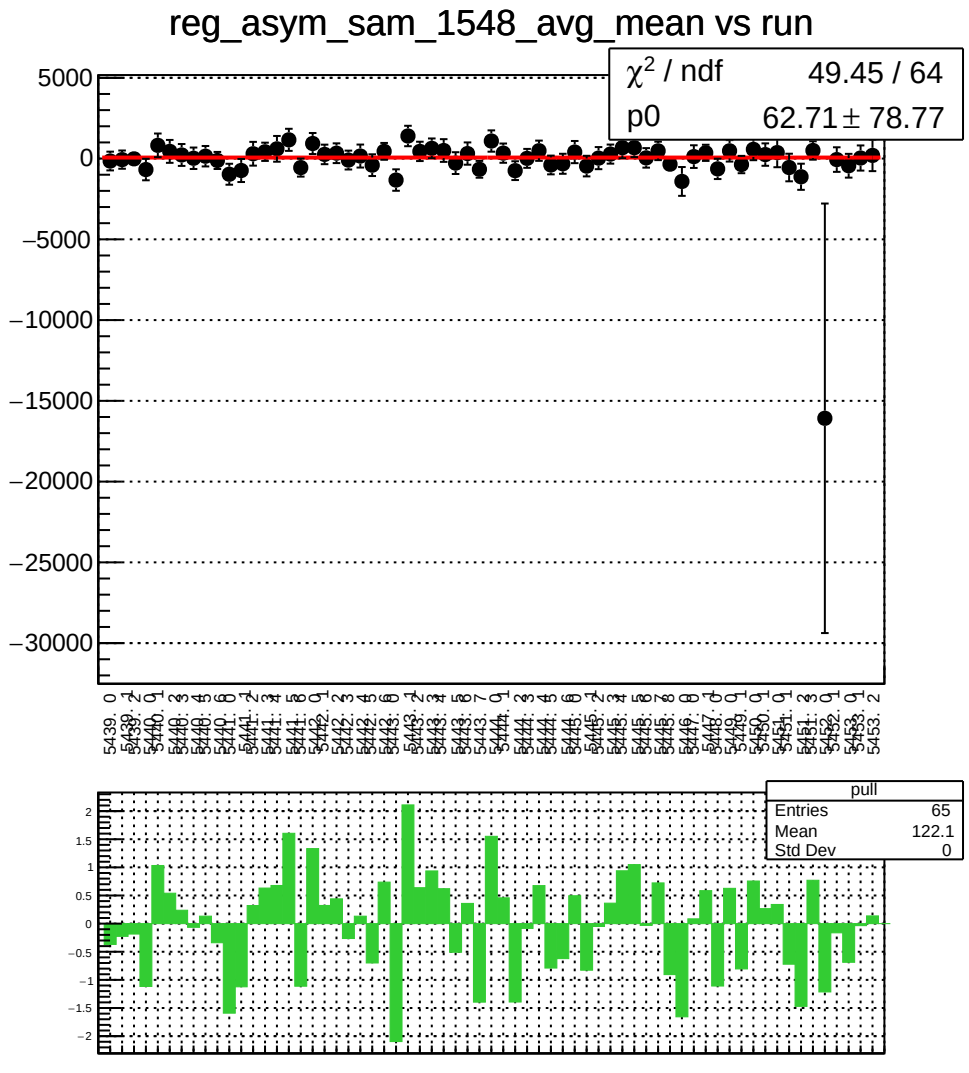

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.8 / 64
p0 0.1939 ± 0.1219
pull
Entries 65
Mean 109.6
Std Dev 0
pull1D
Entries 65
Mean 0.01428
Std Dev 1.122

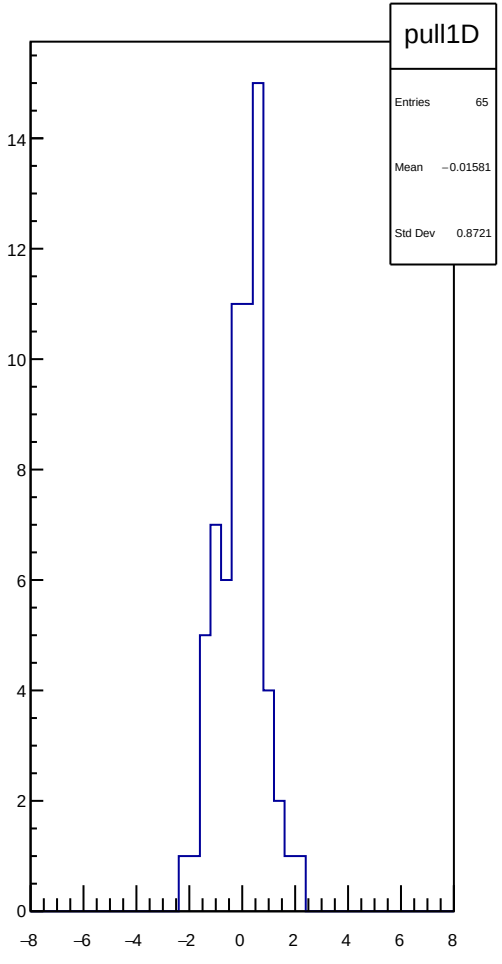

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.359e+04 / 64
p0 98.32 ± 0.08617
170
160
150
140
130
120
110
100
90
80

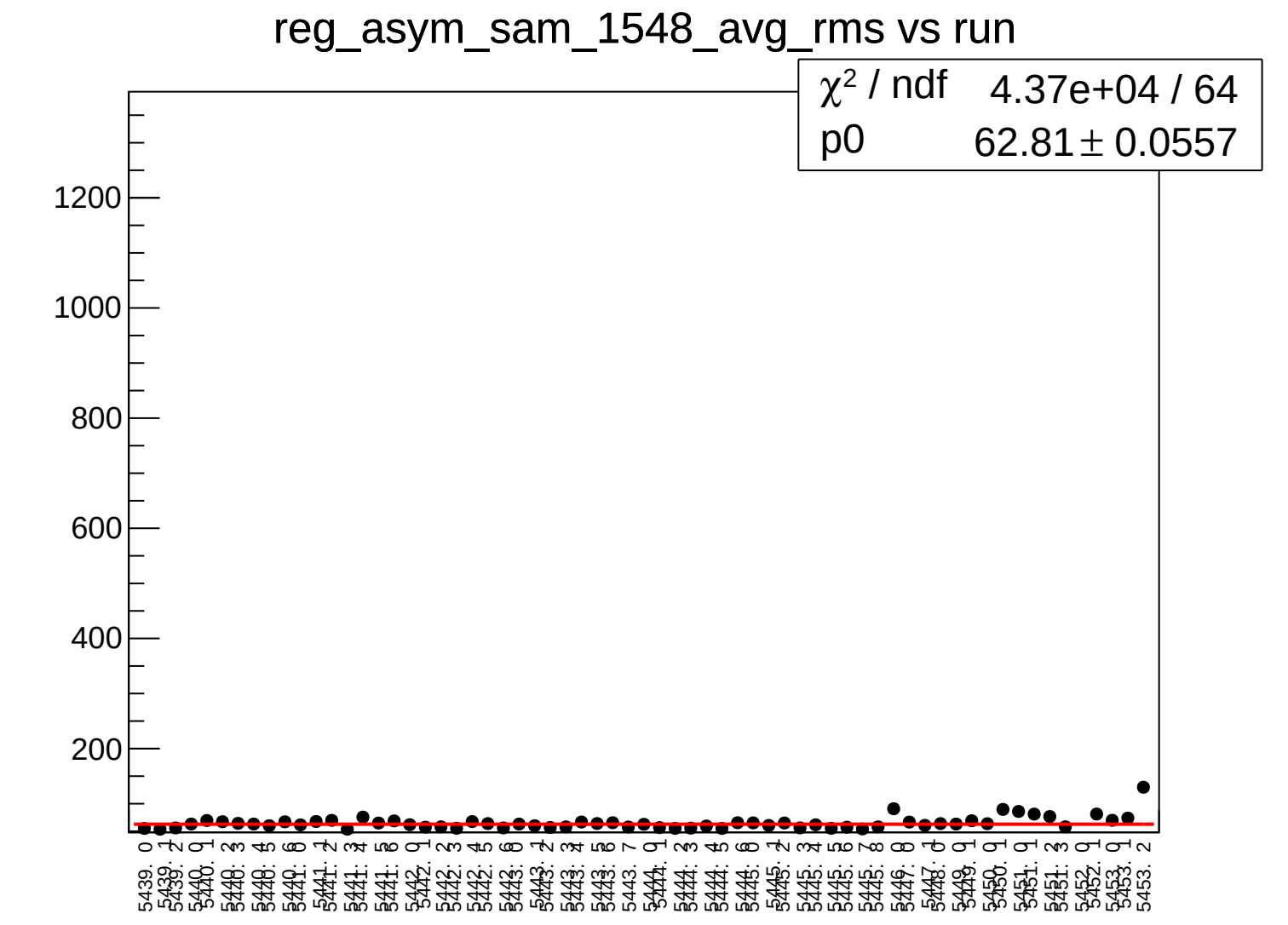

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.85 / 64
p0 4.264e−14 ± 3.311e−14
pull
Entries 65
Mean 8.641
Std Dev 0

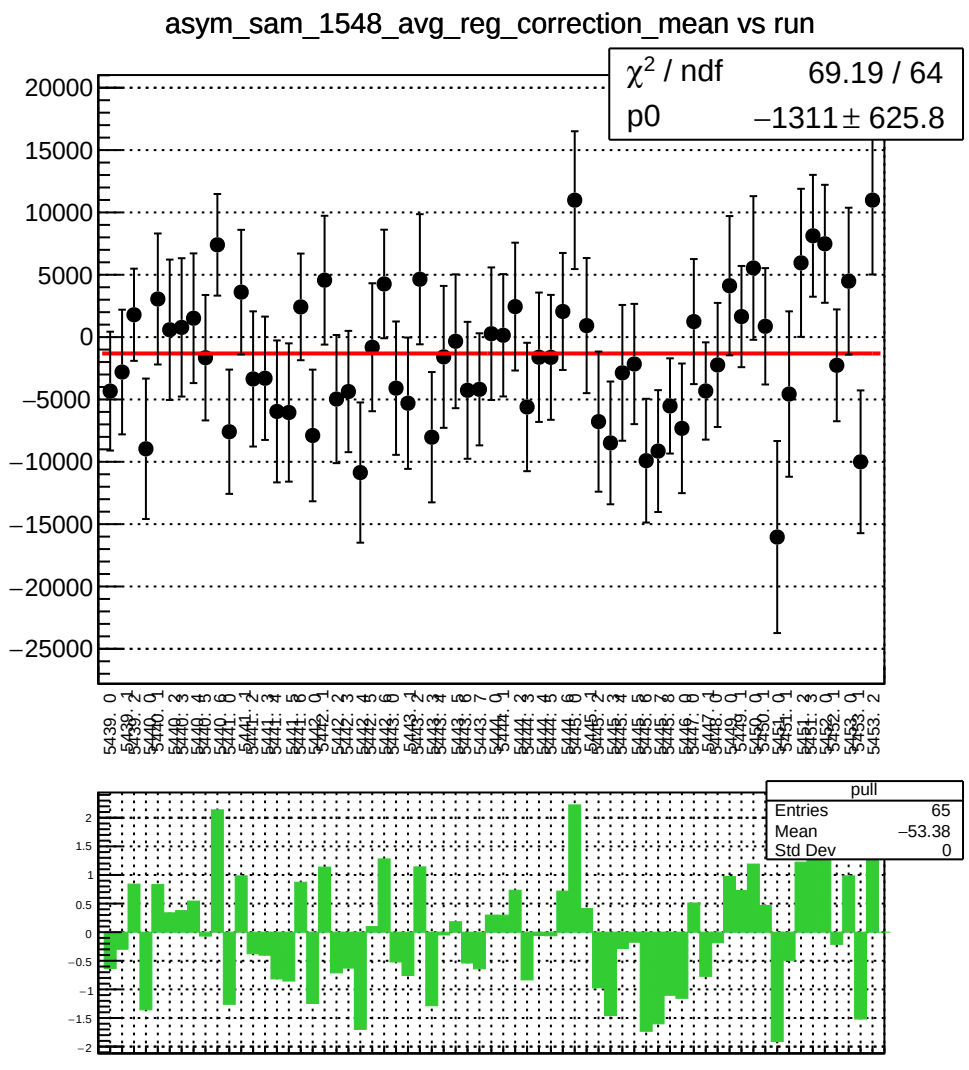

pull1D
Entries 65
Mean −0.1512
Std Dev 1.048

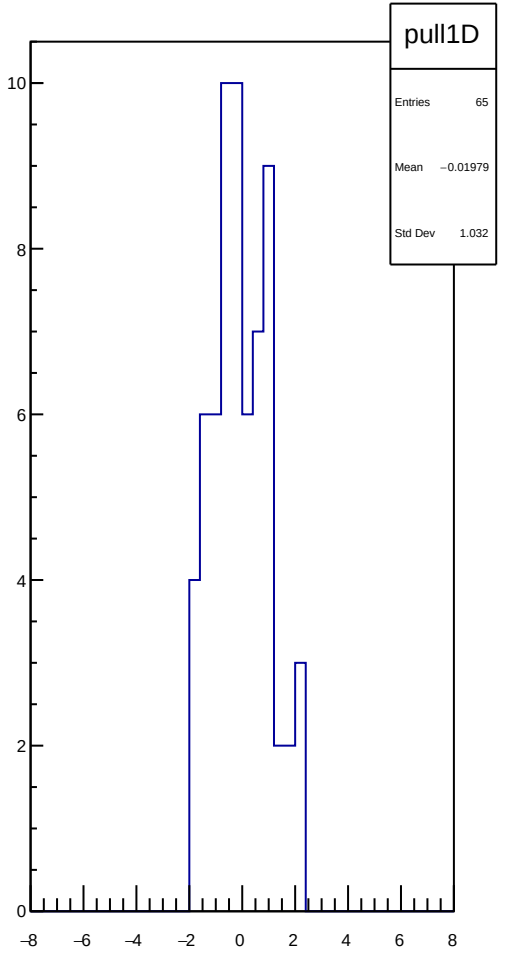

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.804e+05 / 64
p0 2.382e−11 ± 2.341e−14
0.12
0.1
0.08
0.06
0.04
0.02

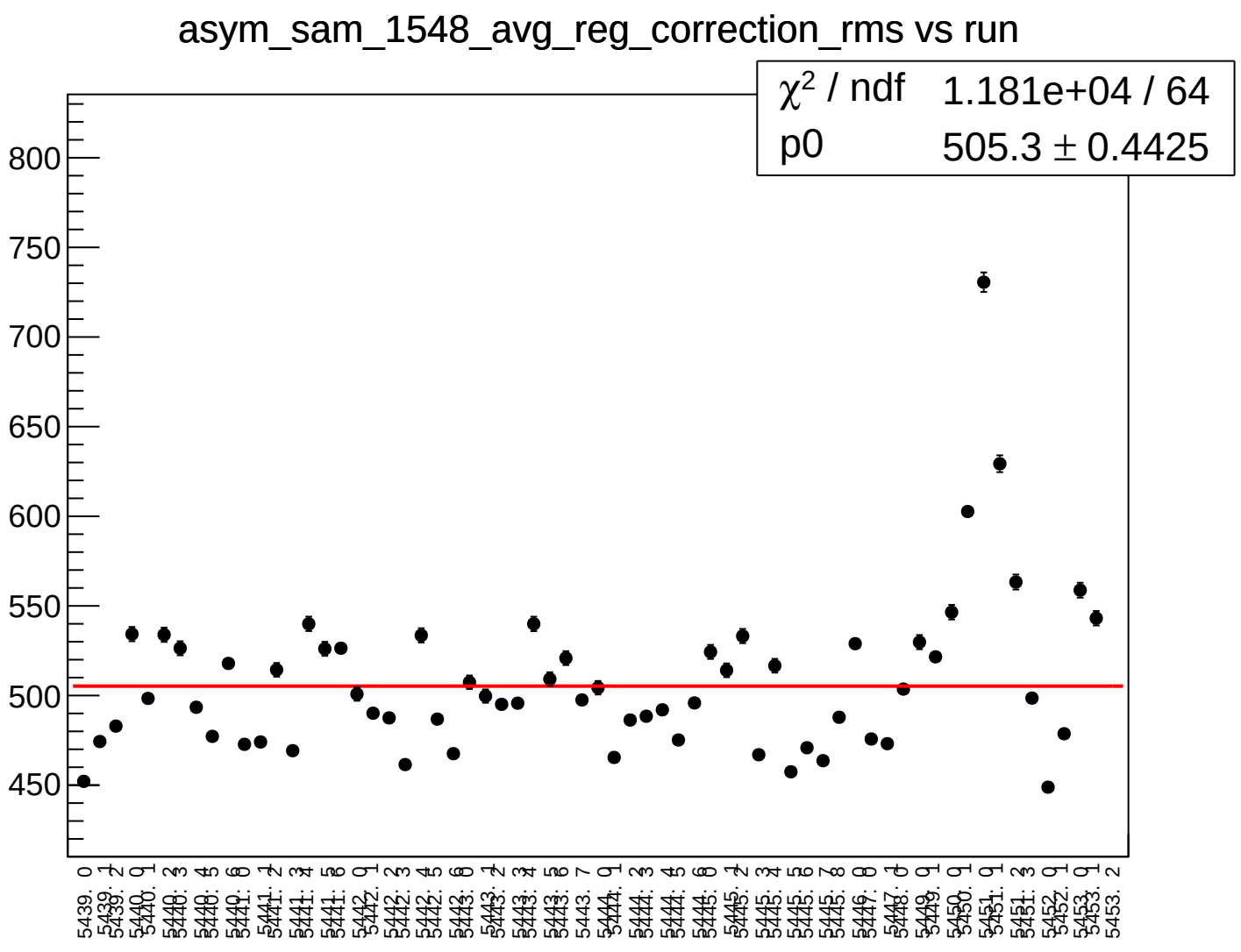

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 49.45 / 64
p0 62.71 ± 78.77
pull
Entries 65
Mean 122.1
Std Dev 0

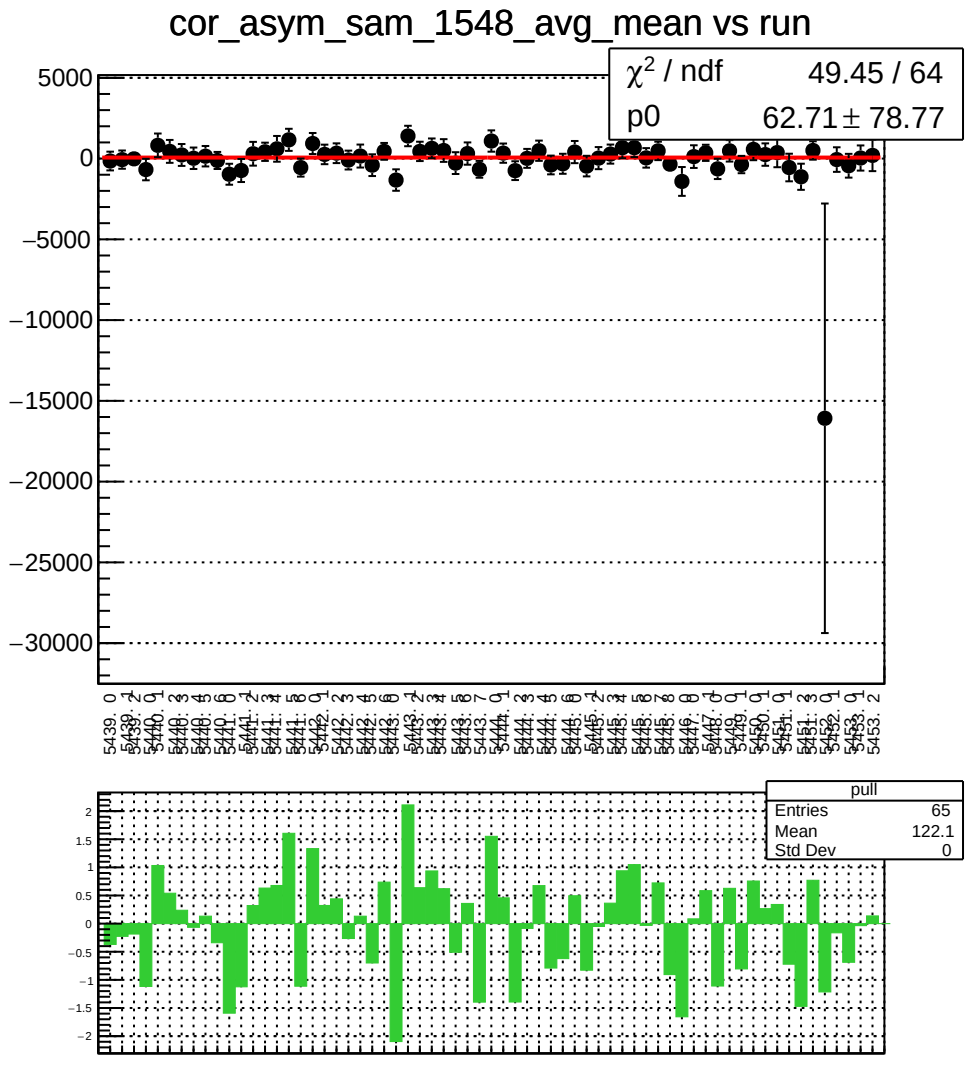

pull1D
Entries 65
Mean −0.01581
Std Dev 0.8721

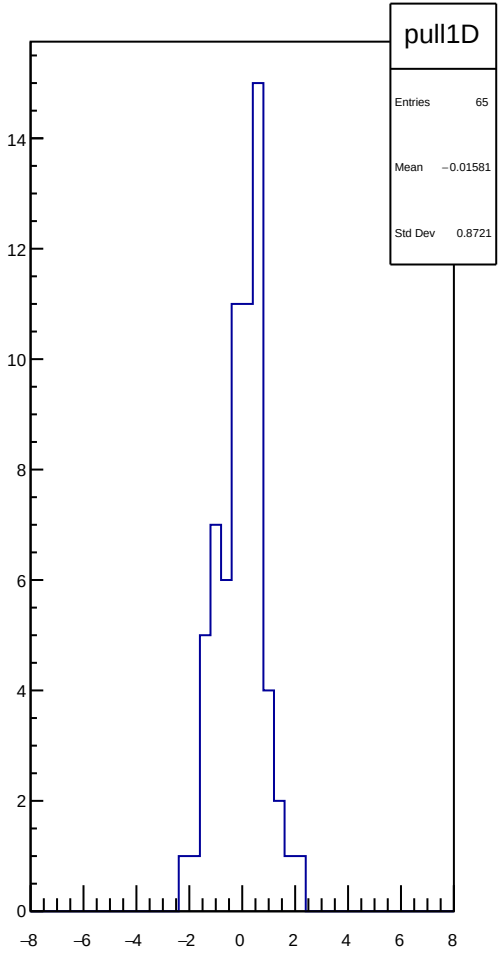

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 4.37e+04 / 64
p0 62.81 ± 0.0557
1200
1000
800
600
400
200

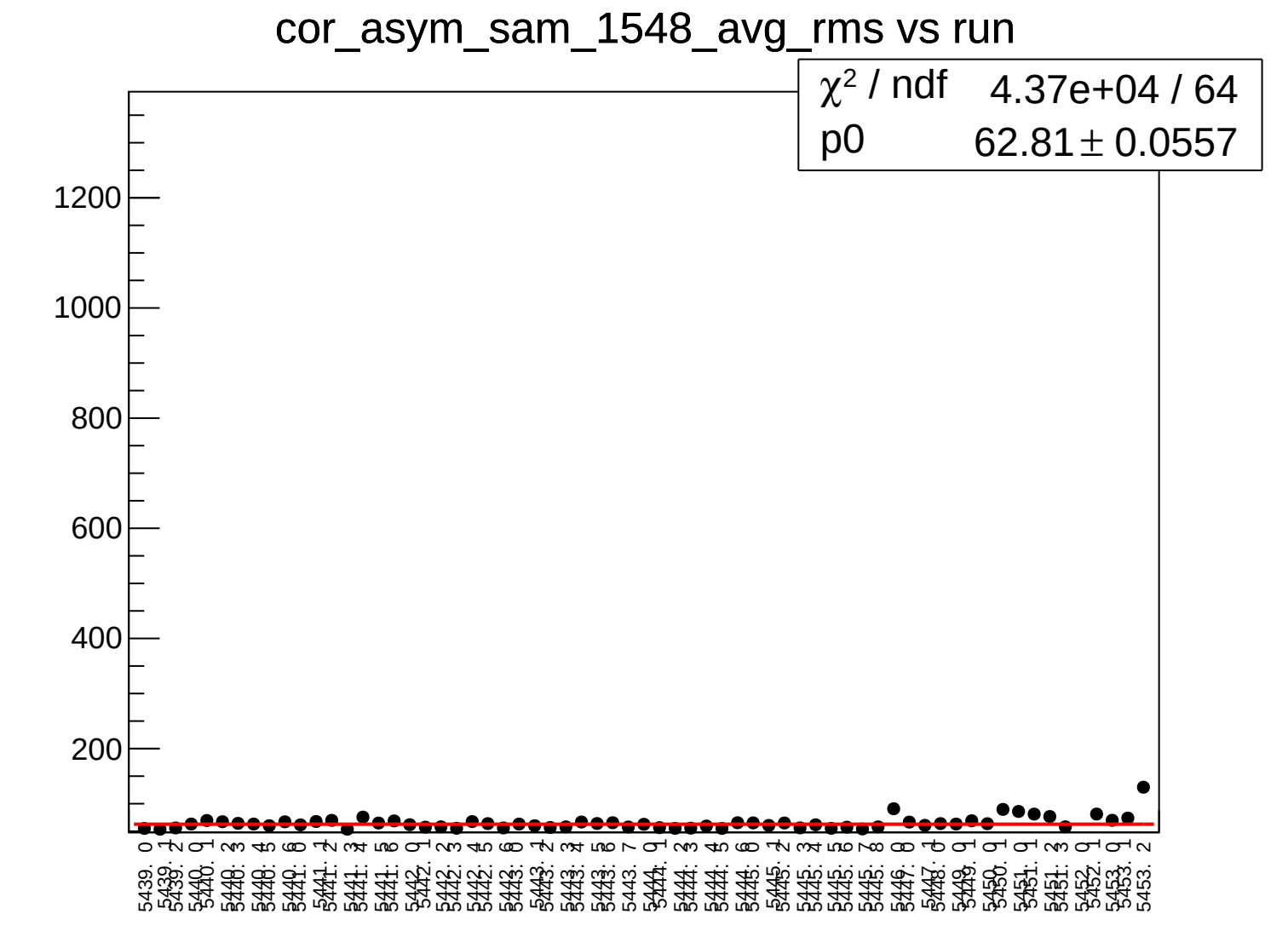

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 69.19 / 64
p0 −1311 ± 625.8
pull
Entries 65
Mean −53.38
Std Dev 0

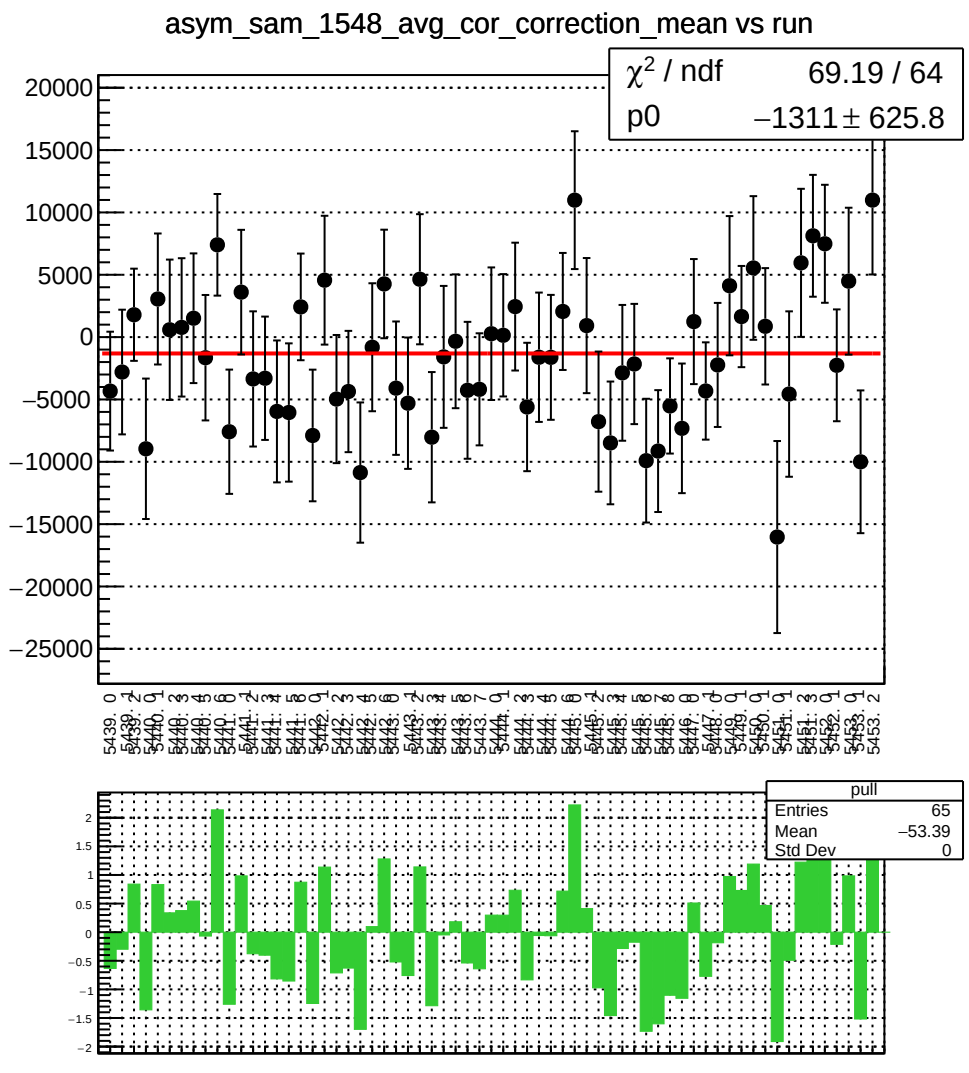

pull1D
Entries 65
Mean −0.01979
Std Dev 1.032

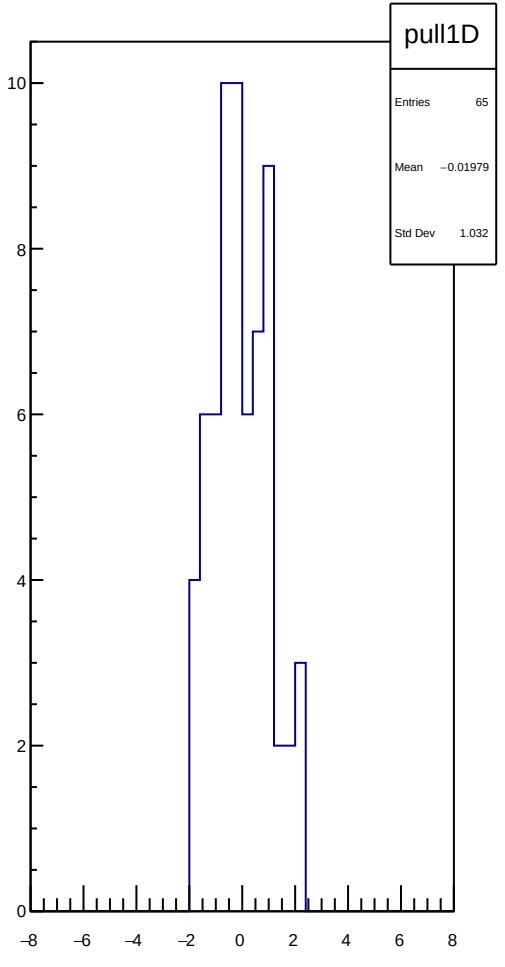

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 1.181e+04 / 64
p0 505.3 ± 0.4425
800
750
700
650
600
550
500
450

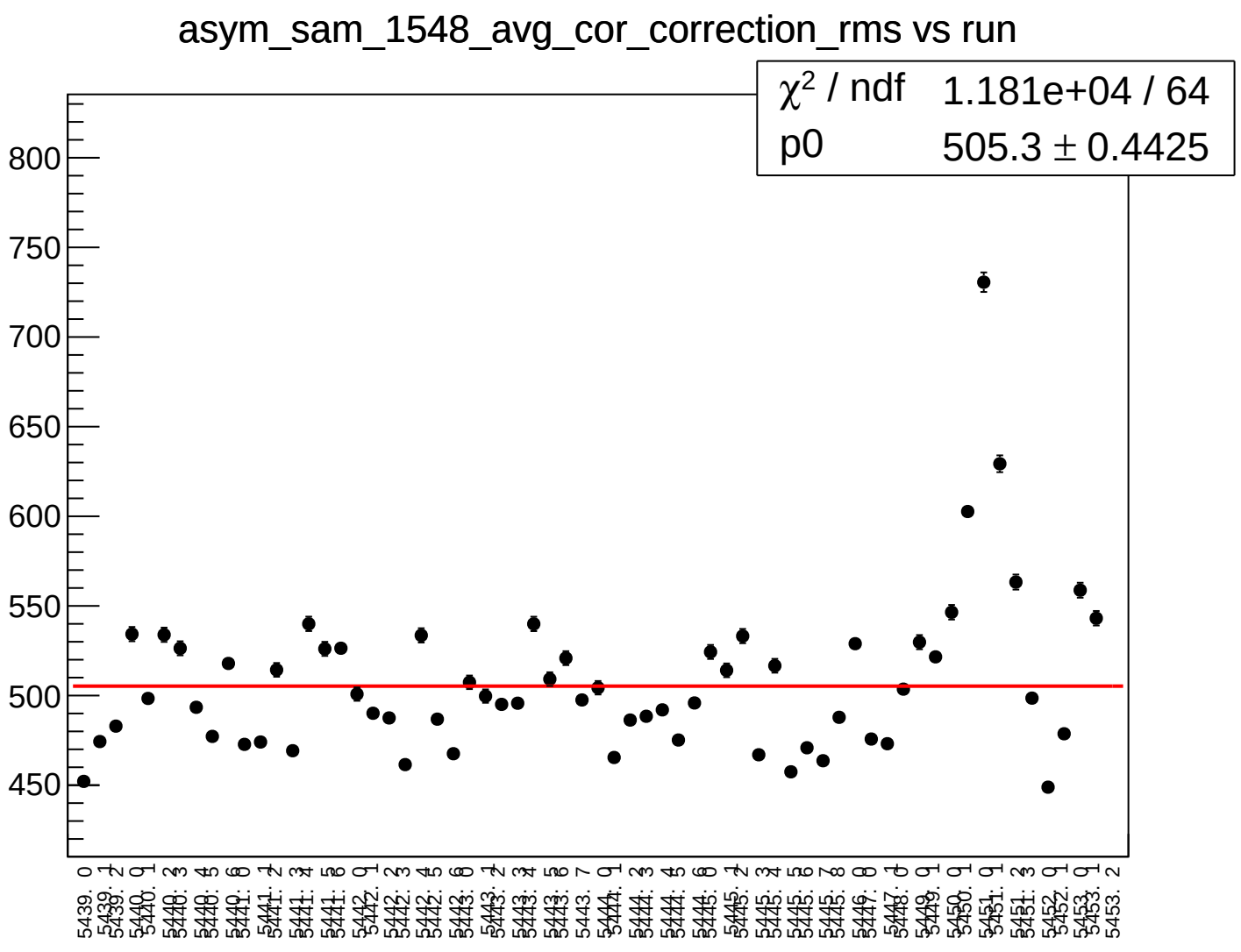

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 49.45 / 64
p0 62.71 ± 78.77
pull
Entries 65
Mean 122.1
Std Dev 0

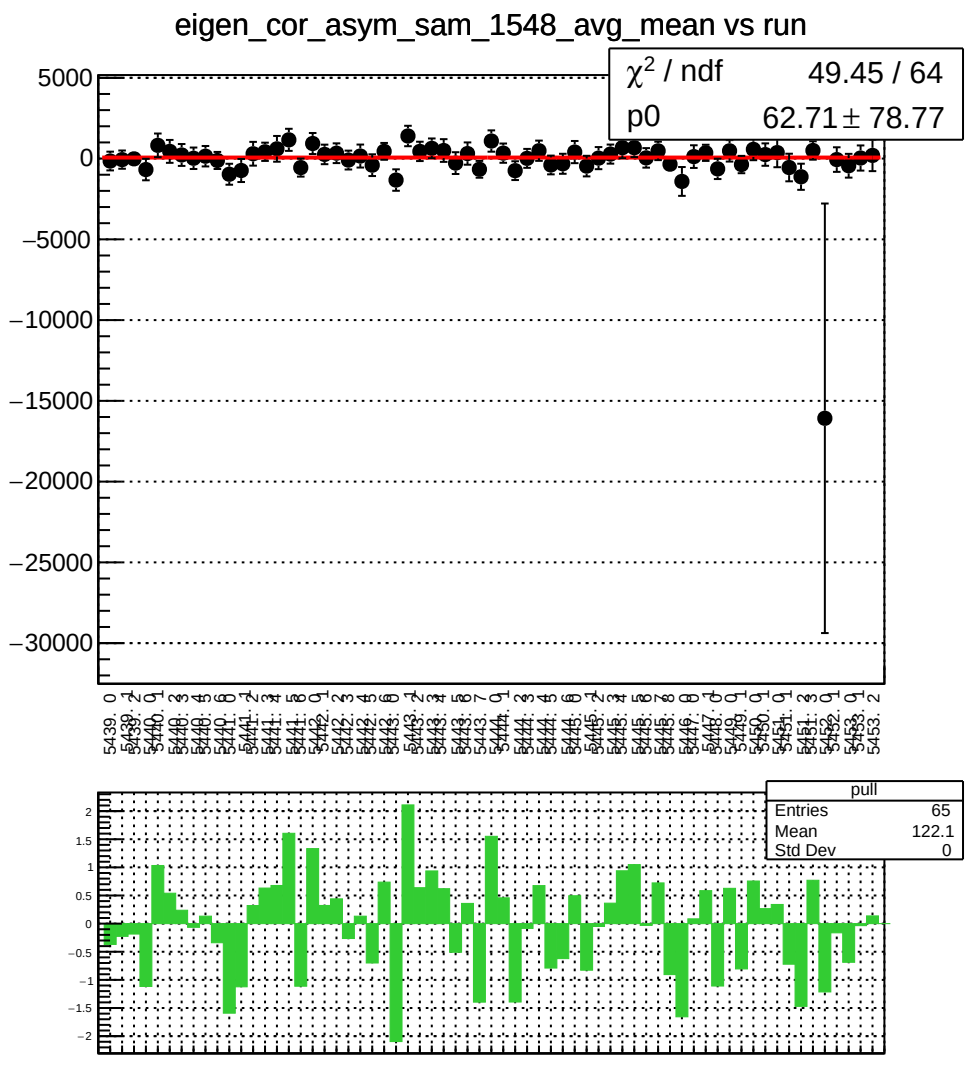

pull1D
Entries 65
Mean −0.01581
Std Dev 0.8721

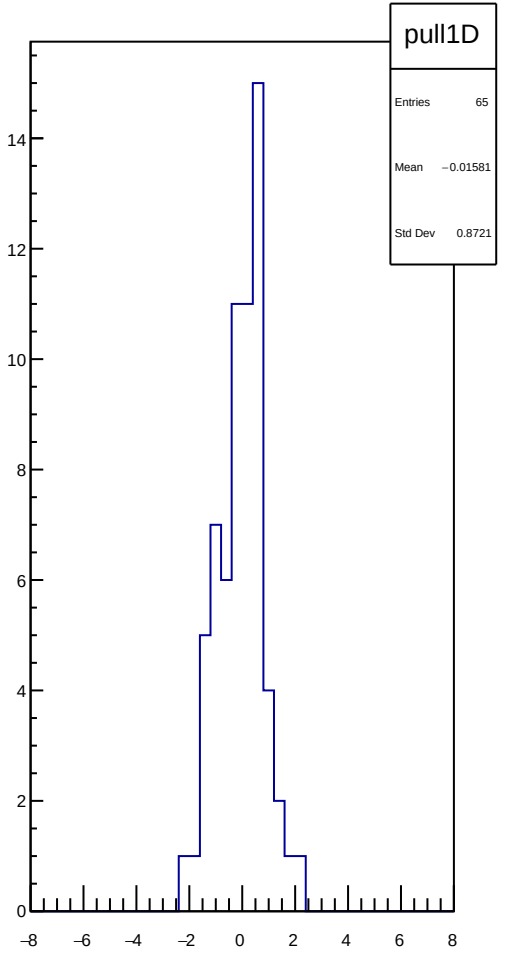

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 4.37e+04 / 64
p0 62.81 ± 0.0557
1200
1000
800
600
400
200

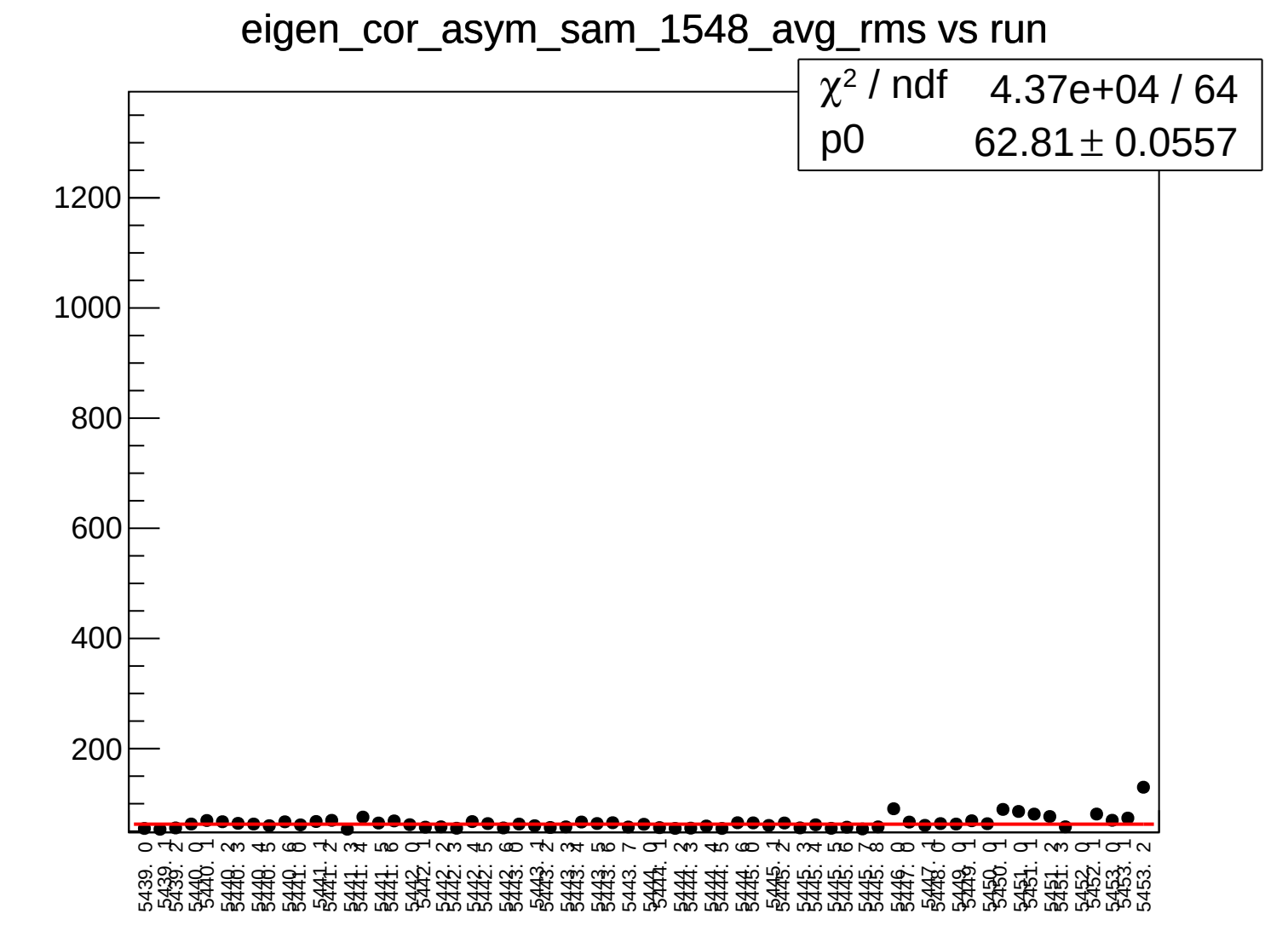

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 69.19 / 64
p0 −1311 ± 625.8
pull
Entries 65
Mean −53.39
Std Dev 0

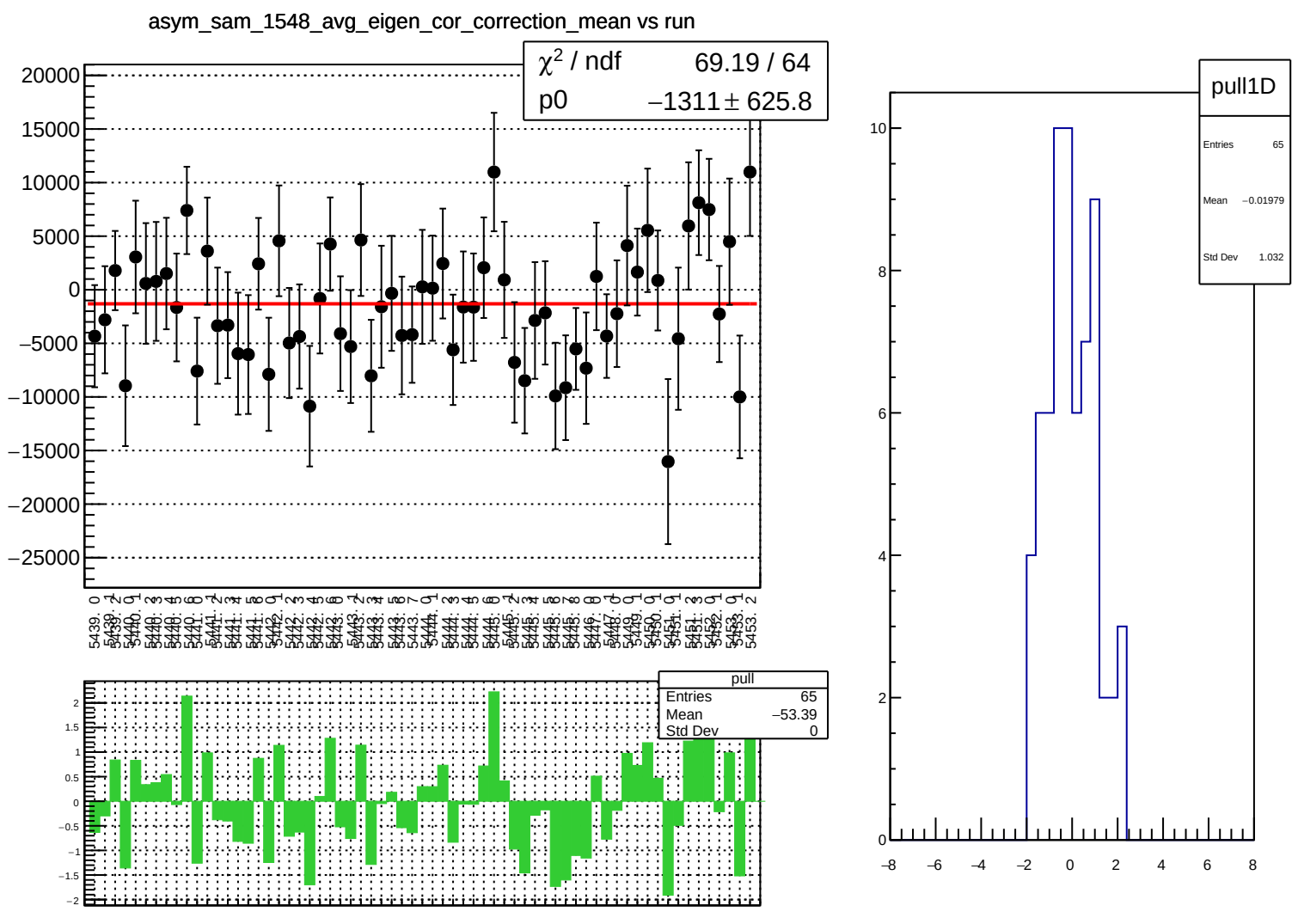

pull1D
Entries 65
Mean −0.01979
Std Dev 1.032

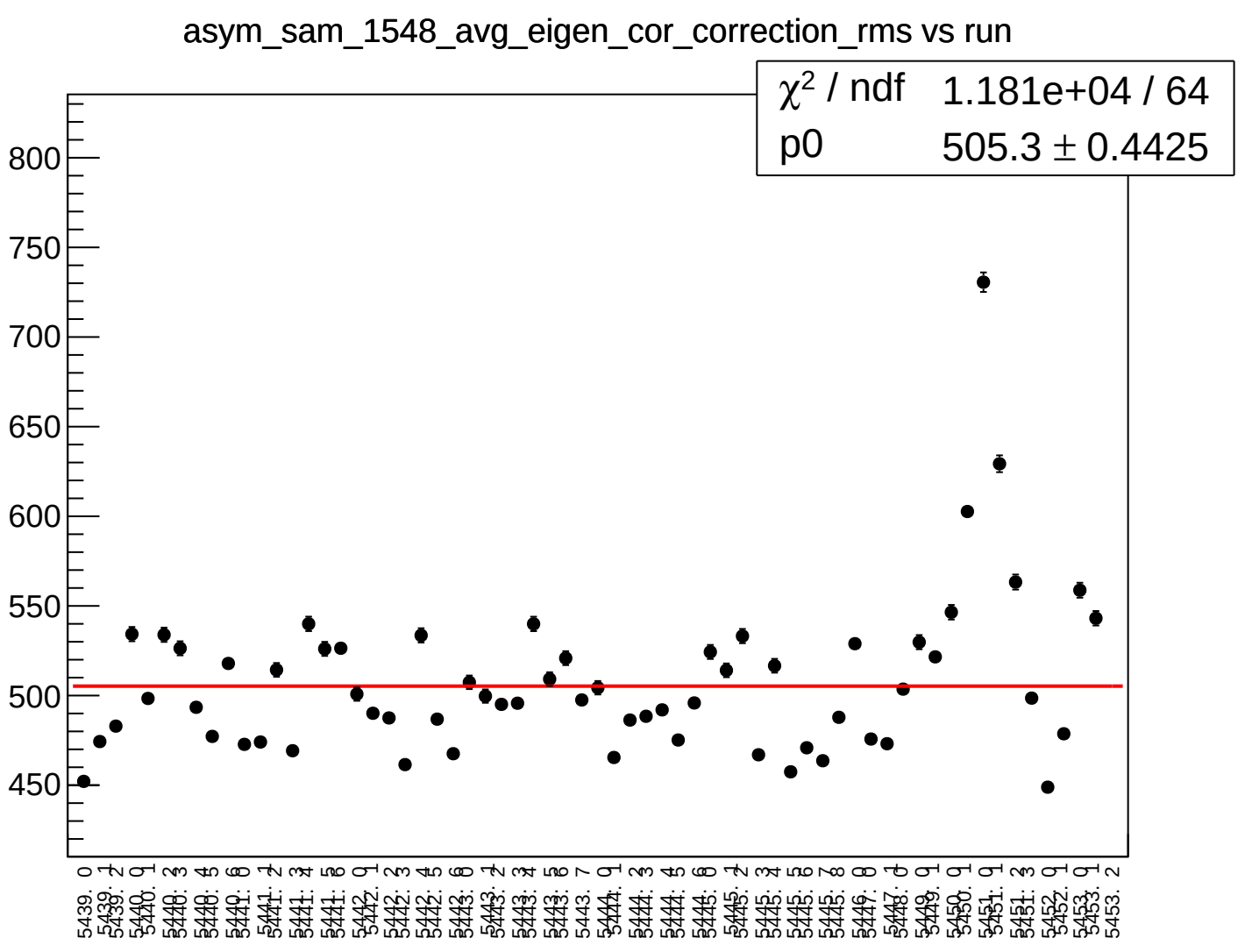

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 1.181e+04 / 64
p0 505.3 ± 0.4425
800
750
700
650
600
550
500
450

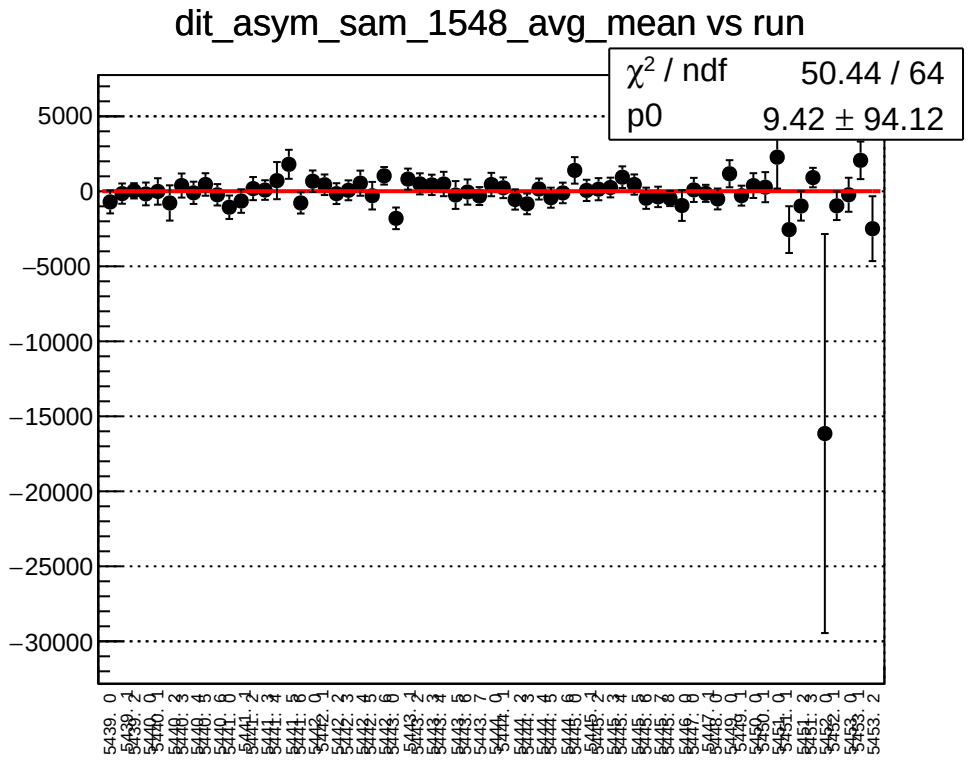

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 49.45 / 64
p0 62.71 ± 78.77
pull
Entries 65
Mean 122.1
Std Dev 0

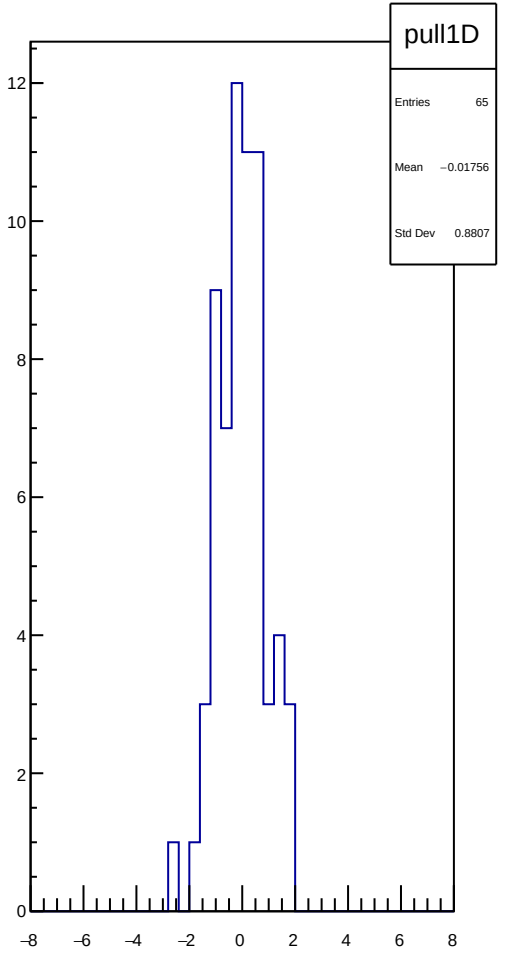

pull1D
Entries 65
Mean −0.01581
Std Dev 0.8721

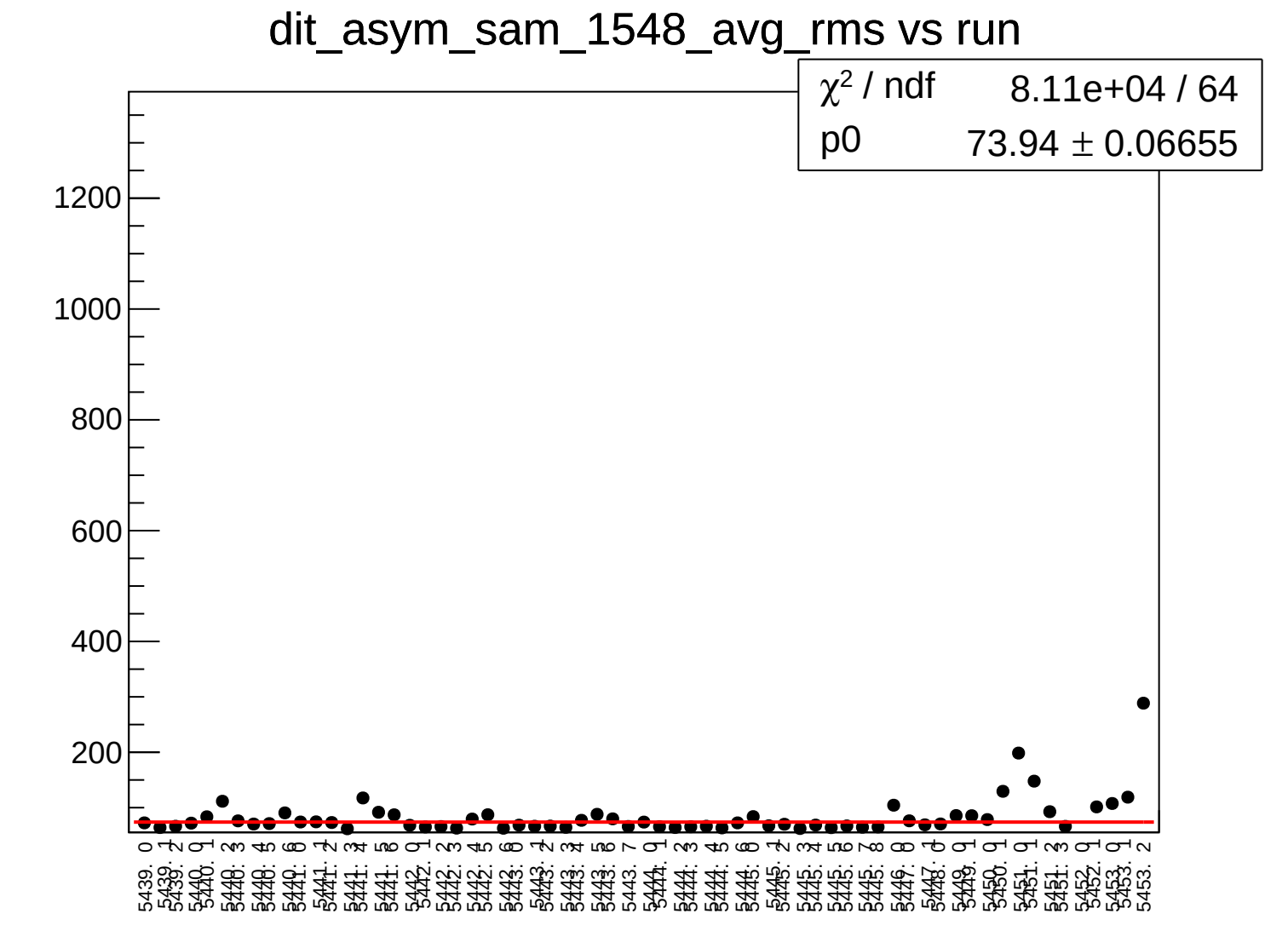

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 4.37e+04 / 64
p0 62.81 ± 0.0557
1200
1000
800
600
400
200

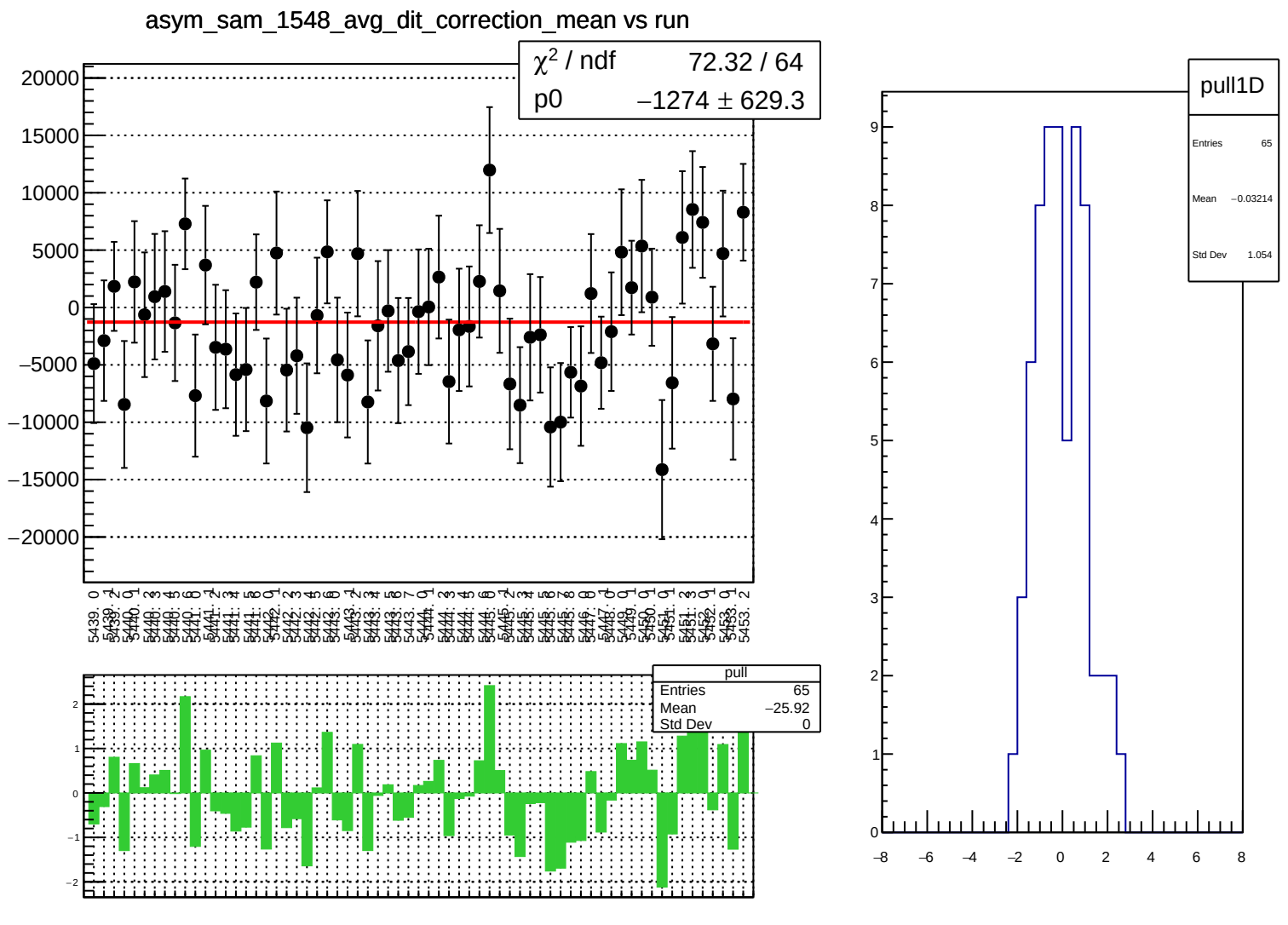

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 69.19 / 64
p0 −1311 ± 625.8
pull
Entries 65
Mean −53.39
Std Dev 0
pull1D
Entries 65
Mean −0.01979
Std Dev 1.032

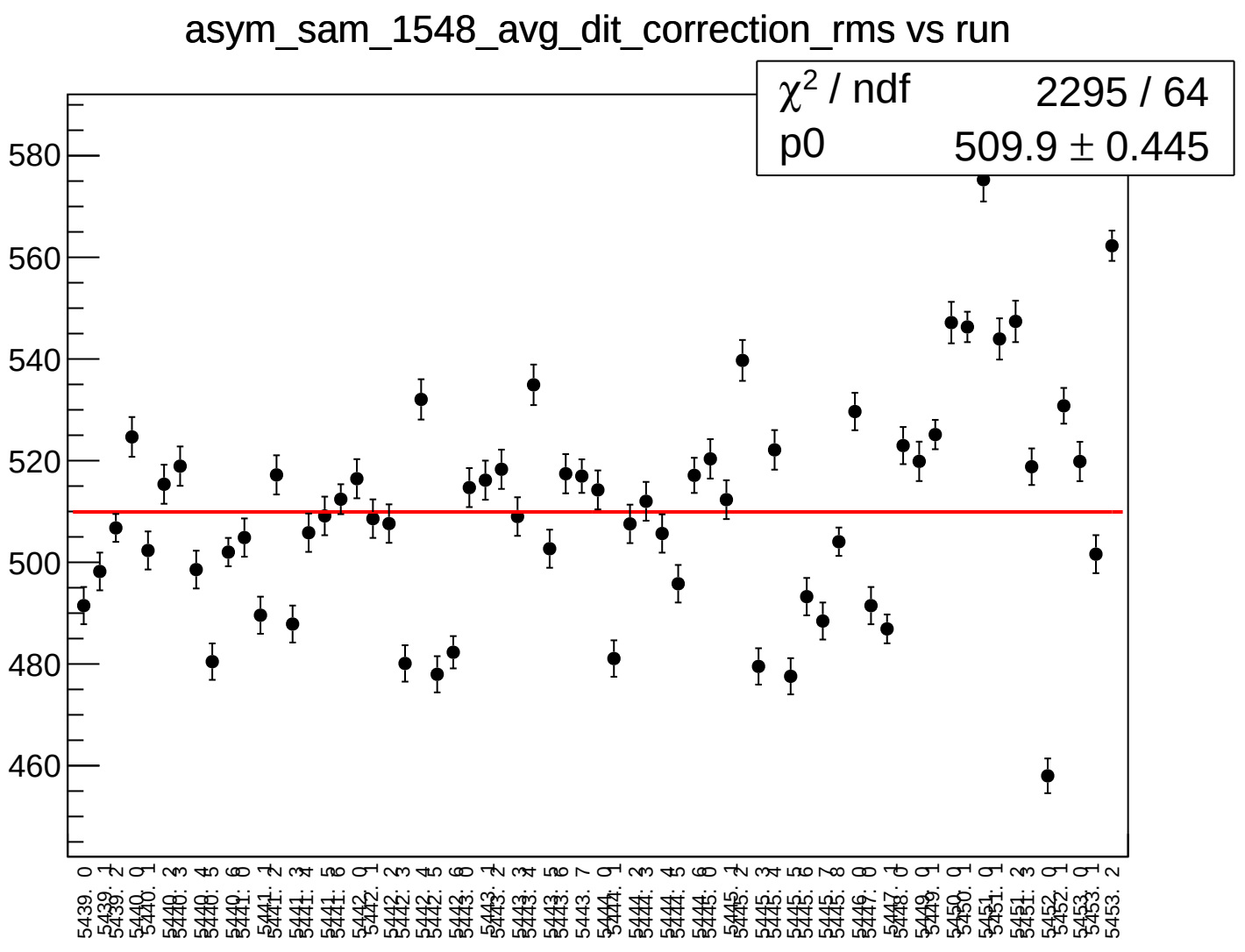

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.181e+04 / 64
p0 505.3 ± 0.4425
800
750
700
650
600
550
500
450

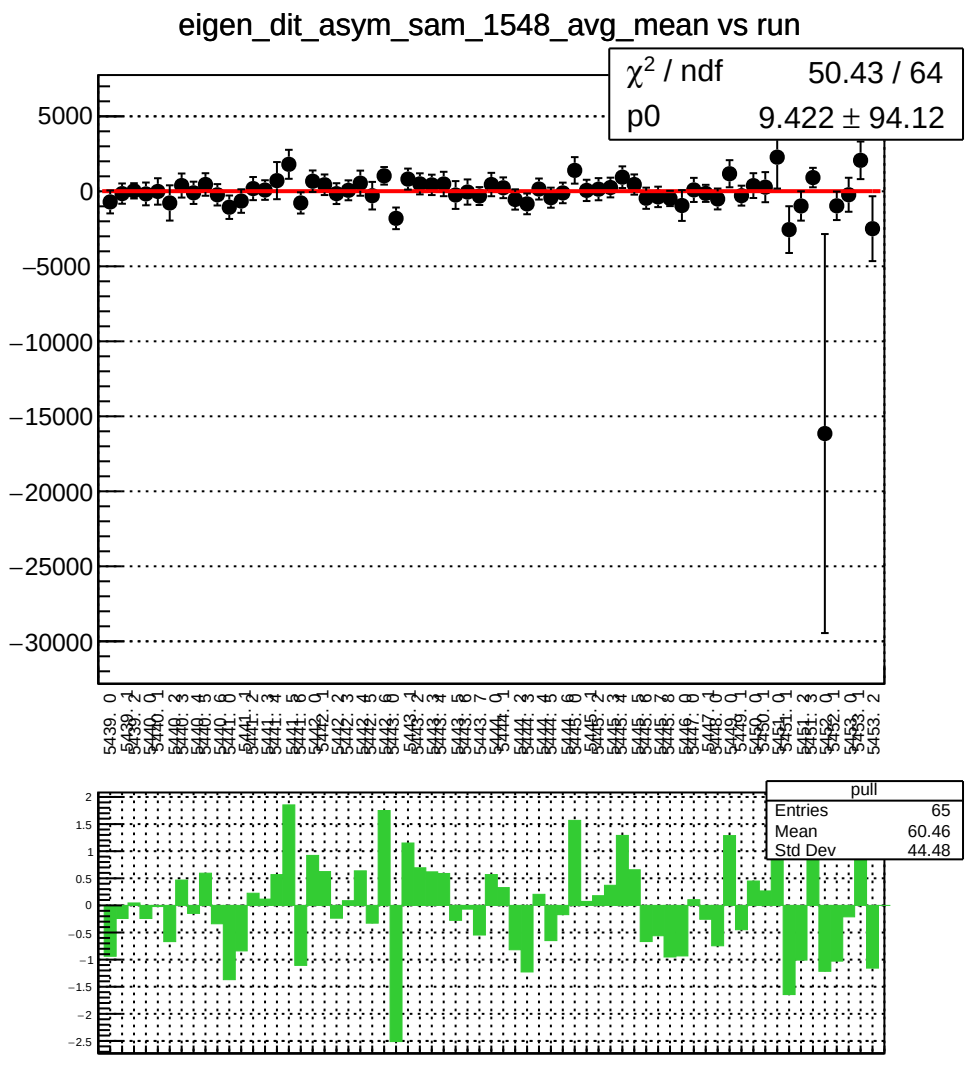

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 50.44 / 64
p0 9.42 ± 94.12
pull
Entries 65
Mean 60.46
Std Dev 44.48

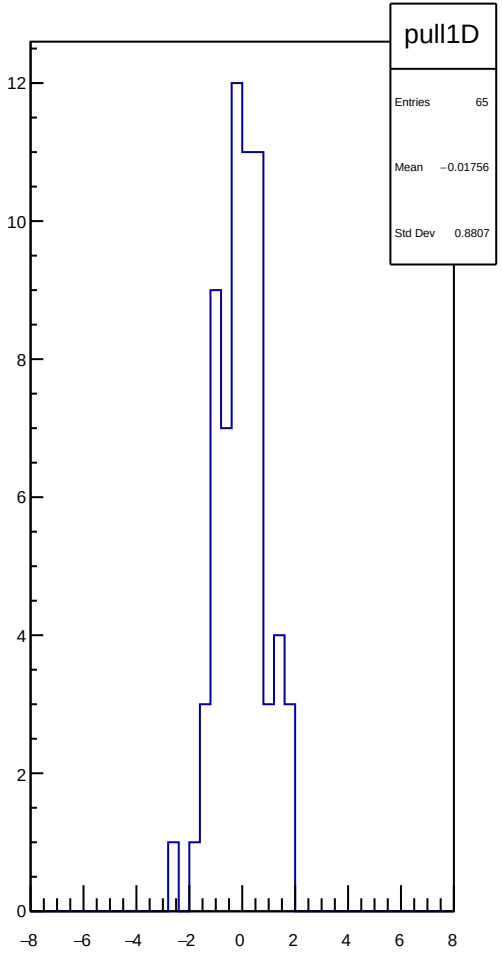

pull1D
Entries 65
Mean −0.01756
Std Dev 0.8807

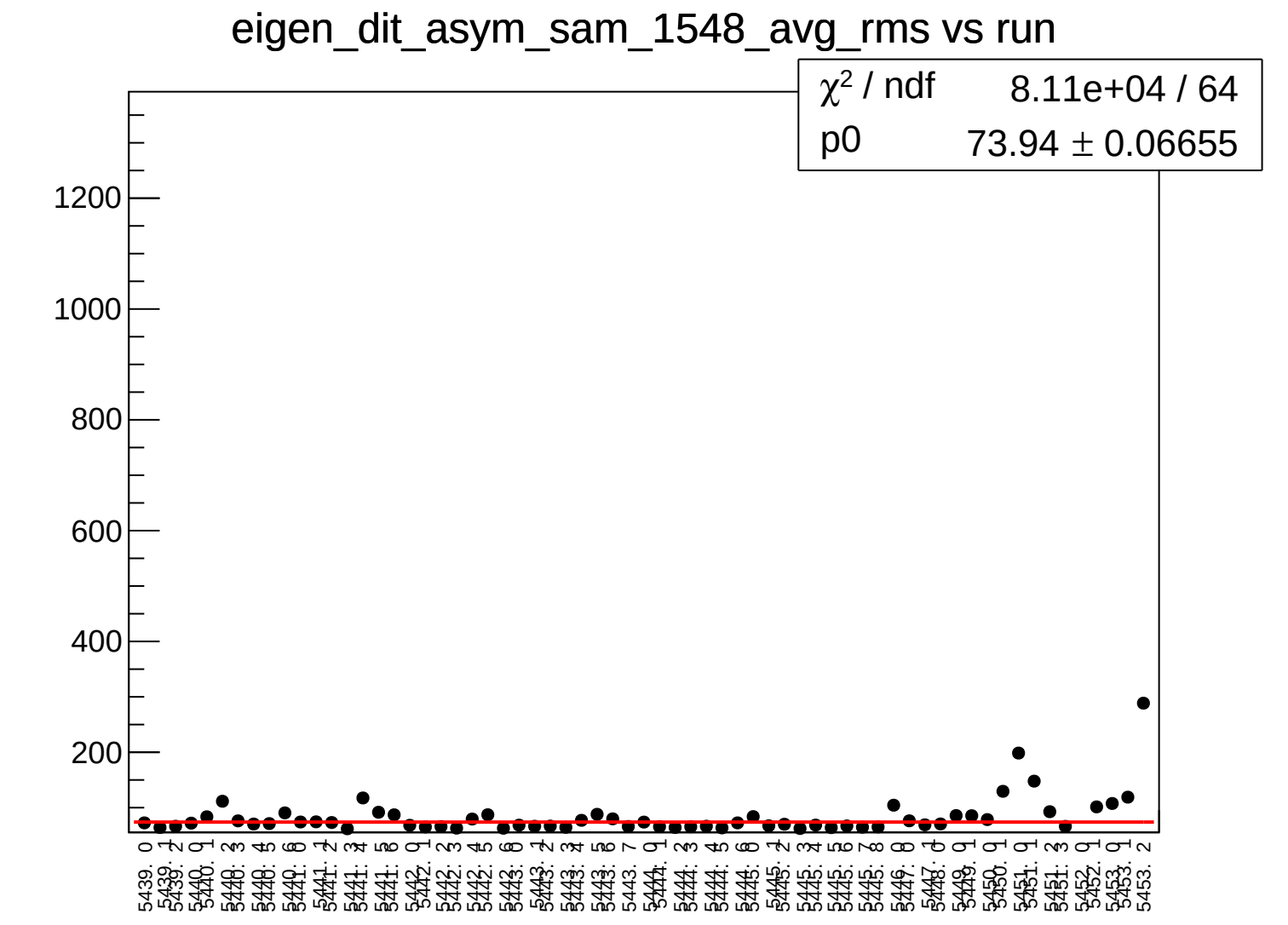

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 8.11e+04 / 64
p0 73.94 ± 0.06655
1200
1000
800
600
400
200

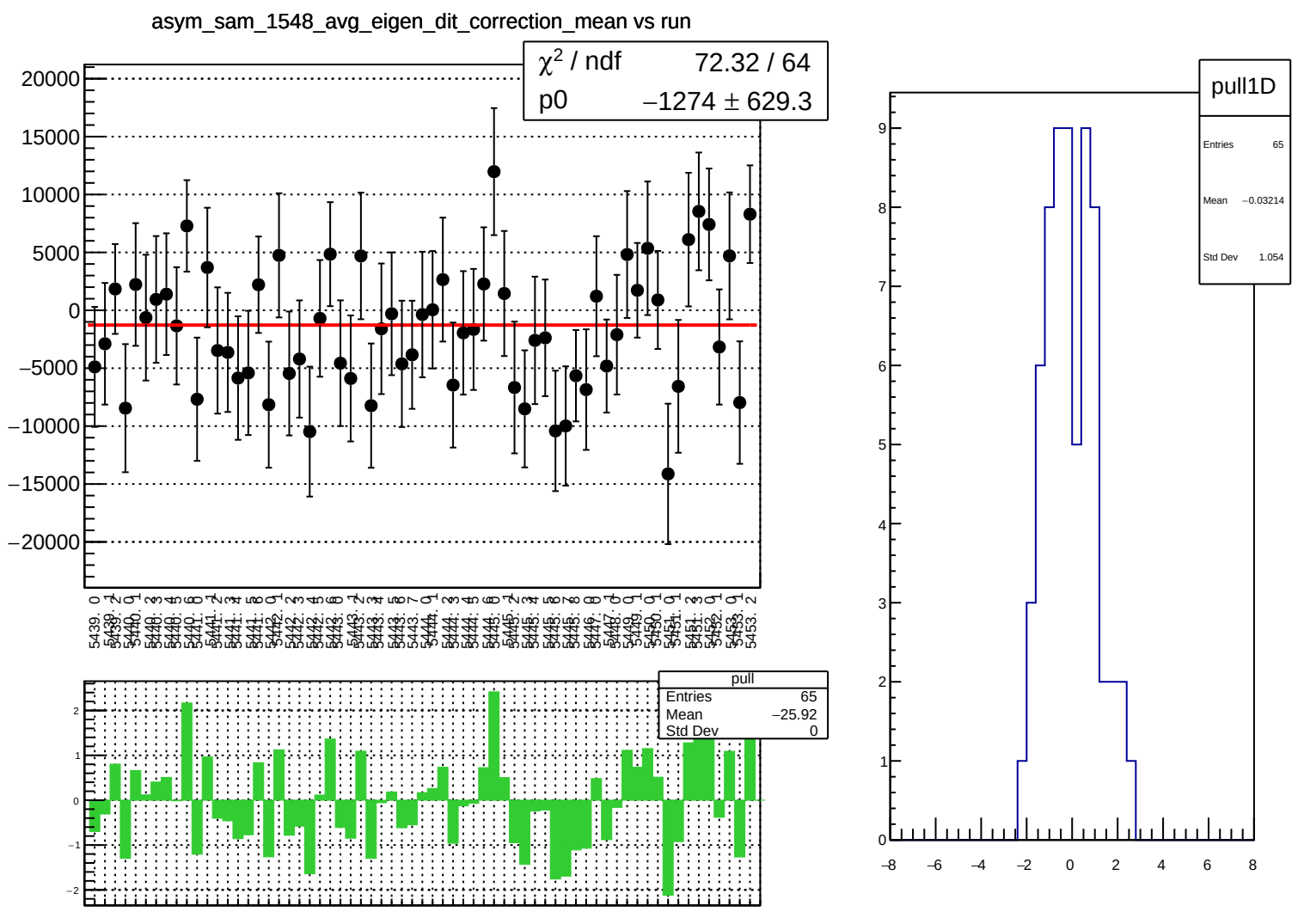

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 72.32 / 64
p0 −1274 ± 629.3
pull
Entries 65
Mean −25.92
Std Dev 0
pull1D
Entries 65
Mean −0.03214
Std Dev 1.054

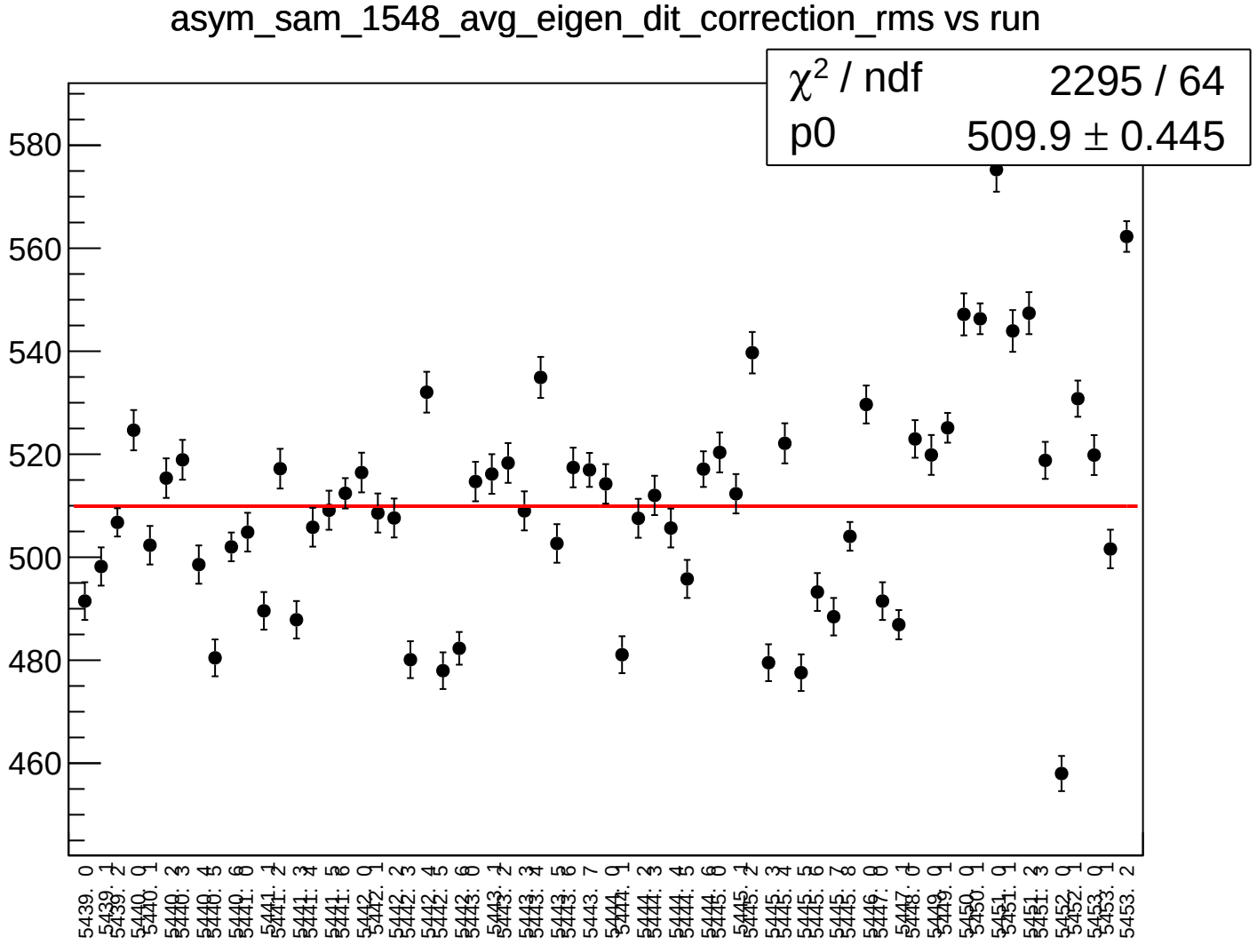

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 2295 / 64
p0 509.9 ± 0.445
580
560
540
520
500
480
460

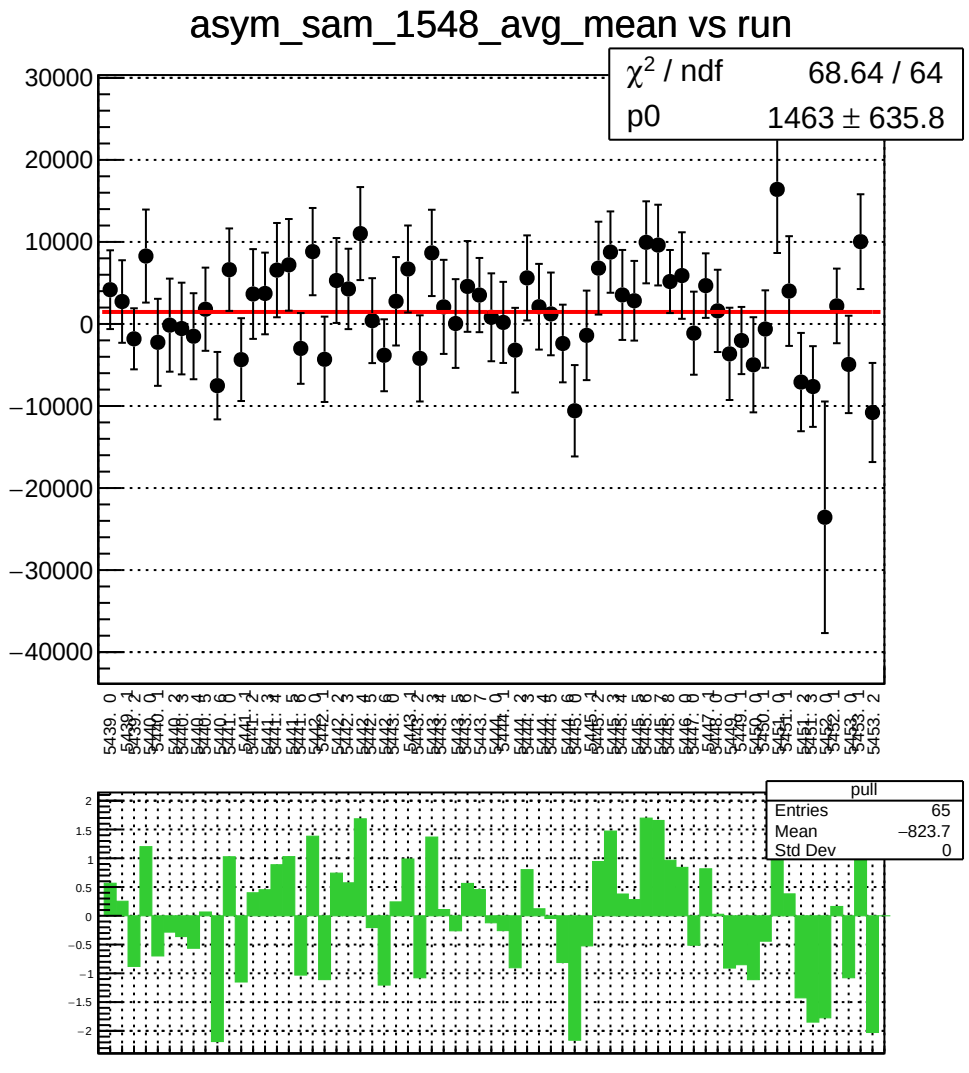

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 50.43 / 64
p0 9.422 ± 94.12
pull
Entries 65
Mean 60.46
Std Dev 44.48

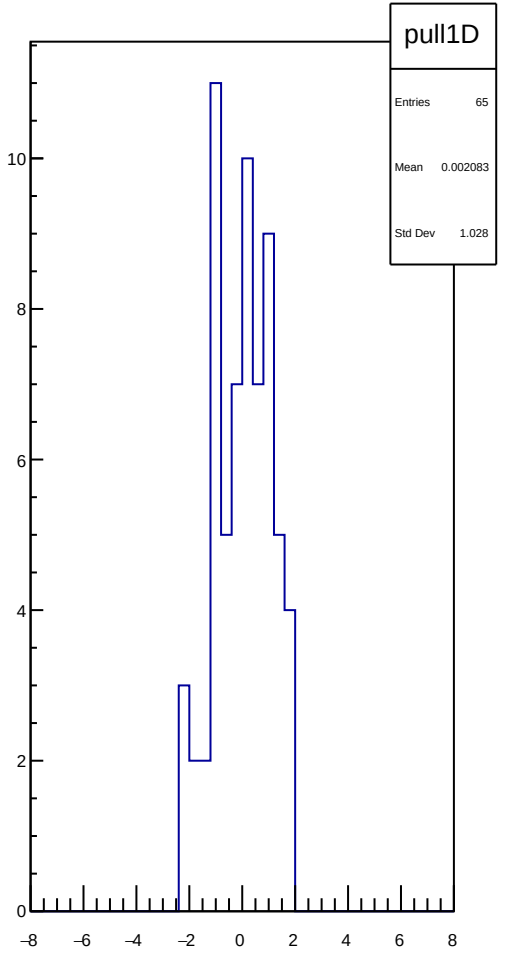

pull1D
Entries 65
Mean −0.01756
Std Dev 0.8807

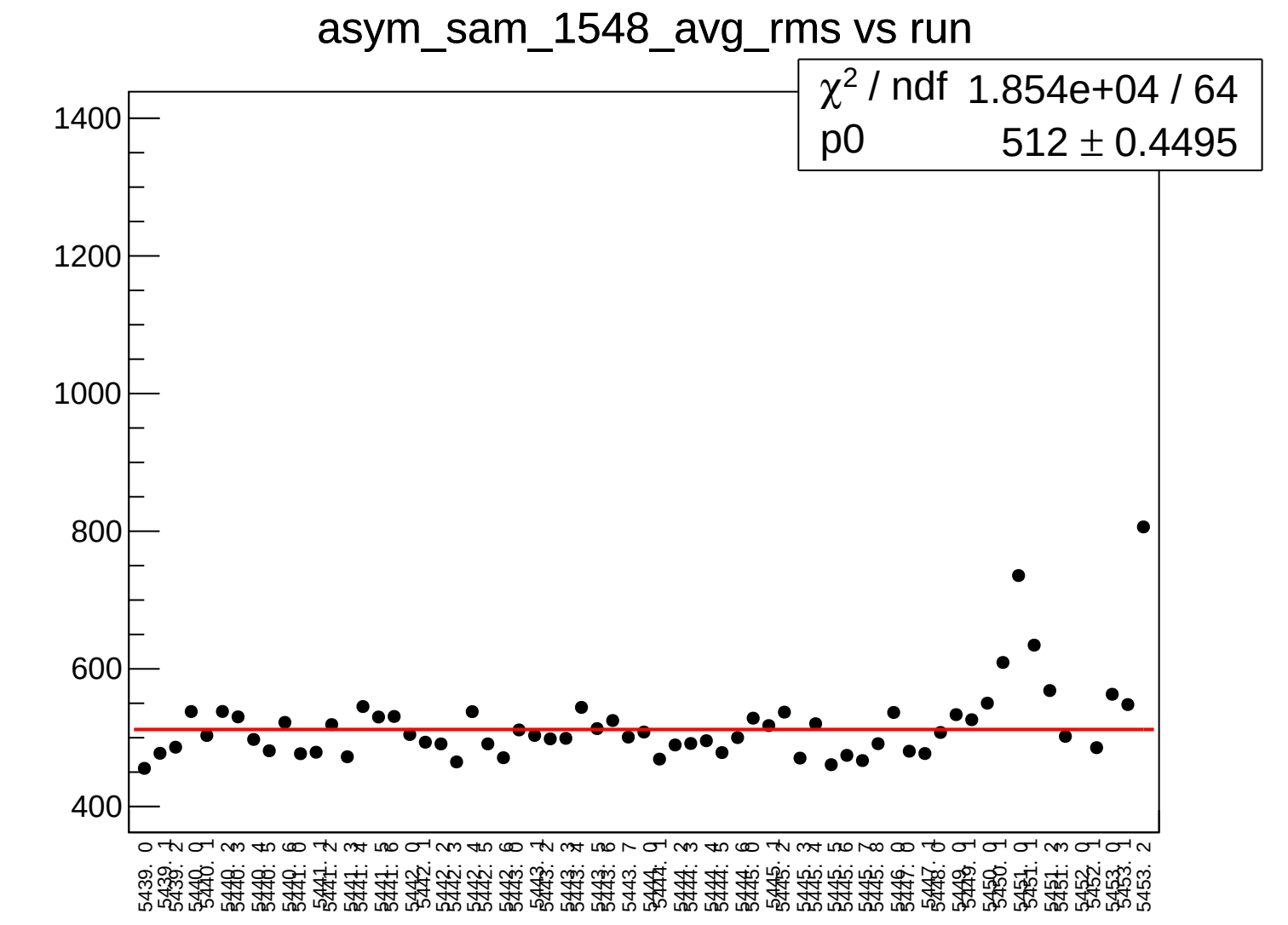

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 8.11e+04 / 64
p0 73.94 ± 0.06655
1200
1000
800
600
400
200

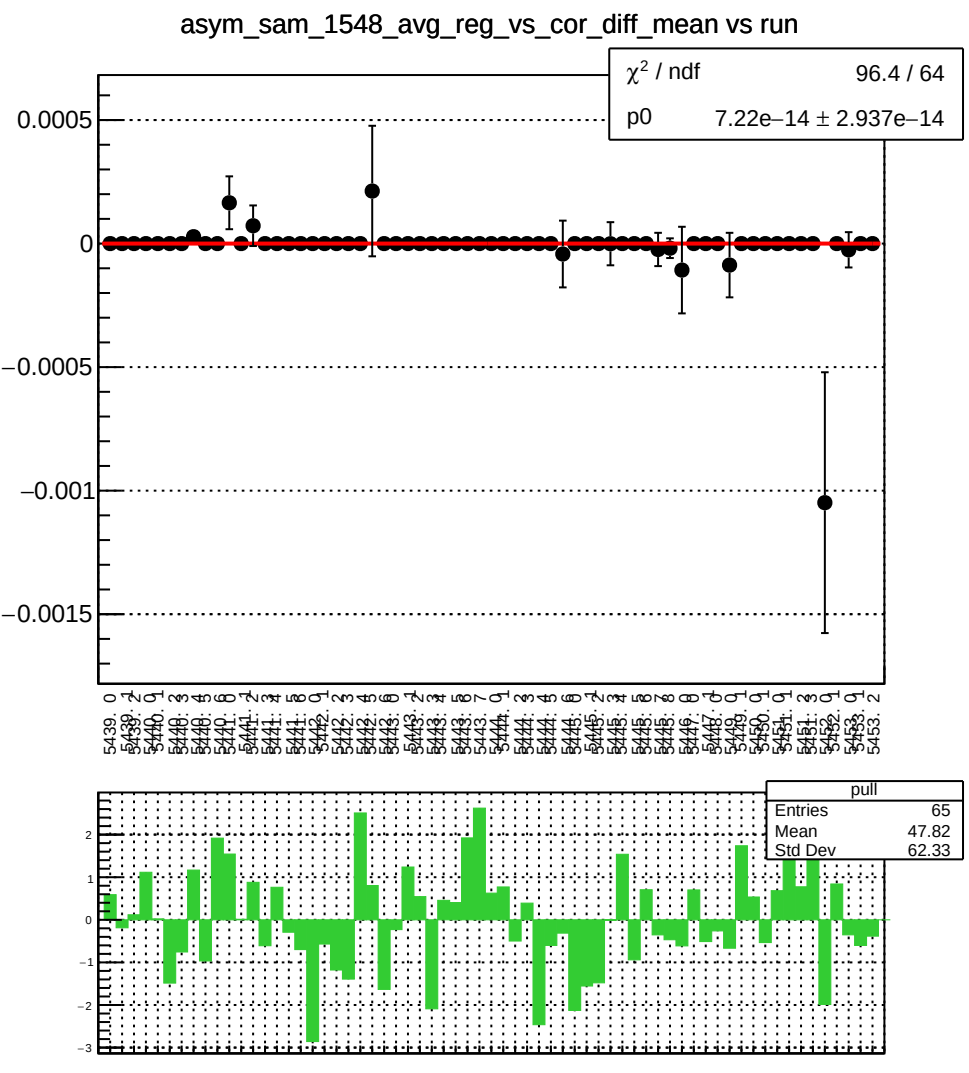

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 72.32 / 64
p0 −1274 ± 629.3
pull
Entries 65
Mean −25.92
Std Dev 0
pull1D
Entries 65
Mean −0.03214
Std Dev 1.054

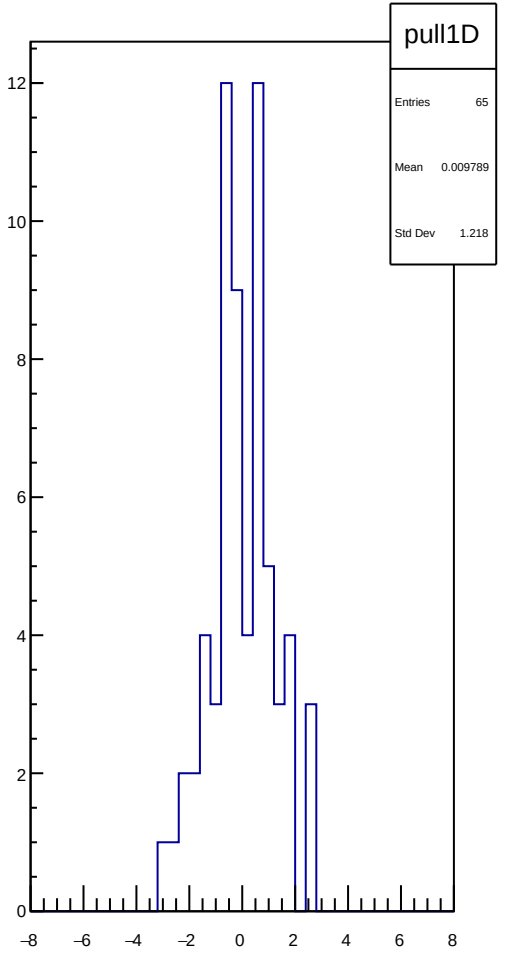

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 2295 / 64
p0 509.9 ± 0.445
580
560
540
520
500
480
460

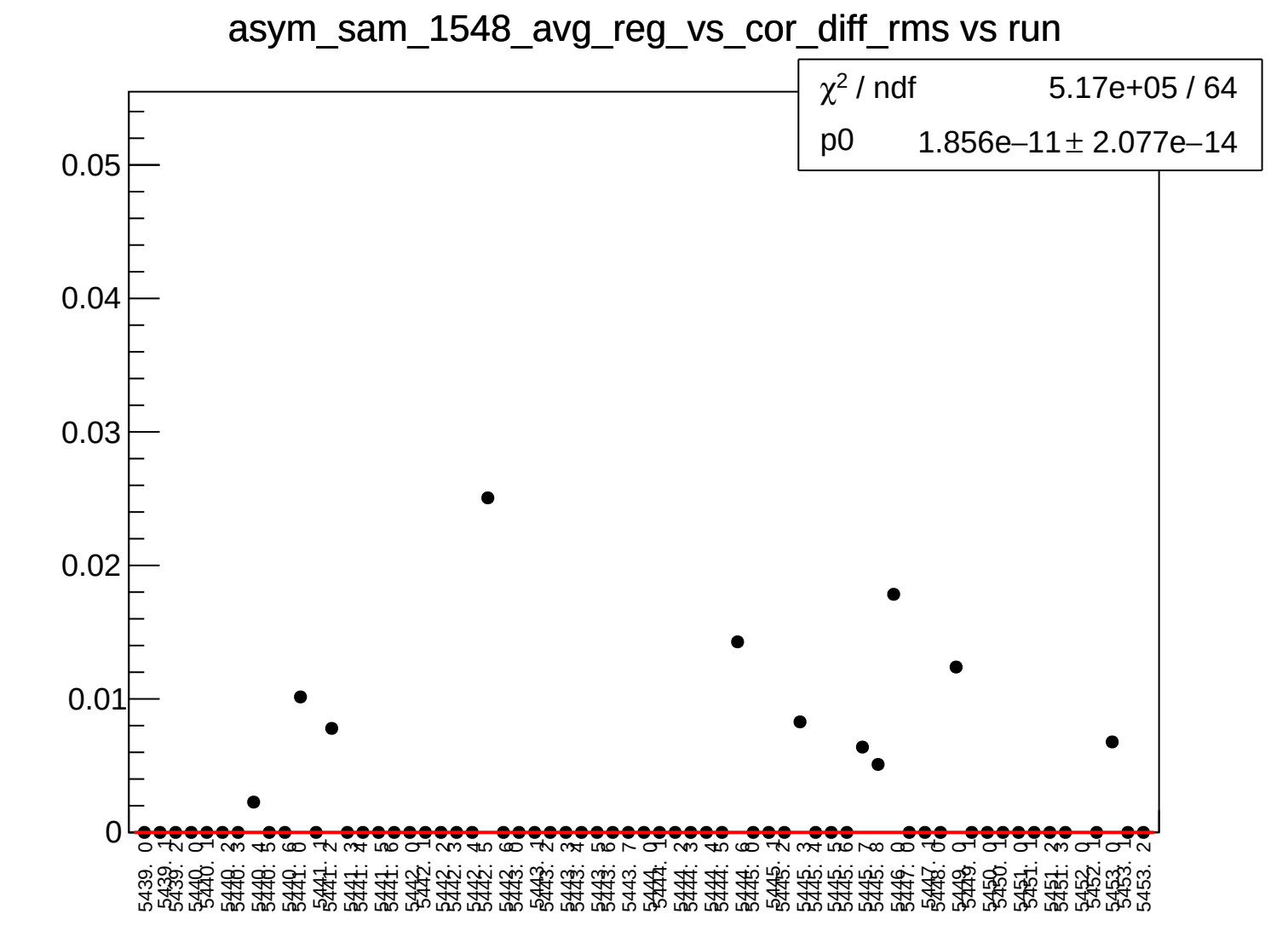

asym_sam_1548_avg_mean vs run
χ² / ndf 68.64 / 64
p0 1463 ± 635.8
pull
Entries 65
Mean −823.7
Std Dev 0

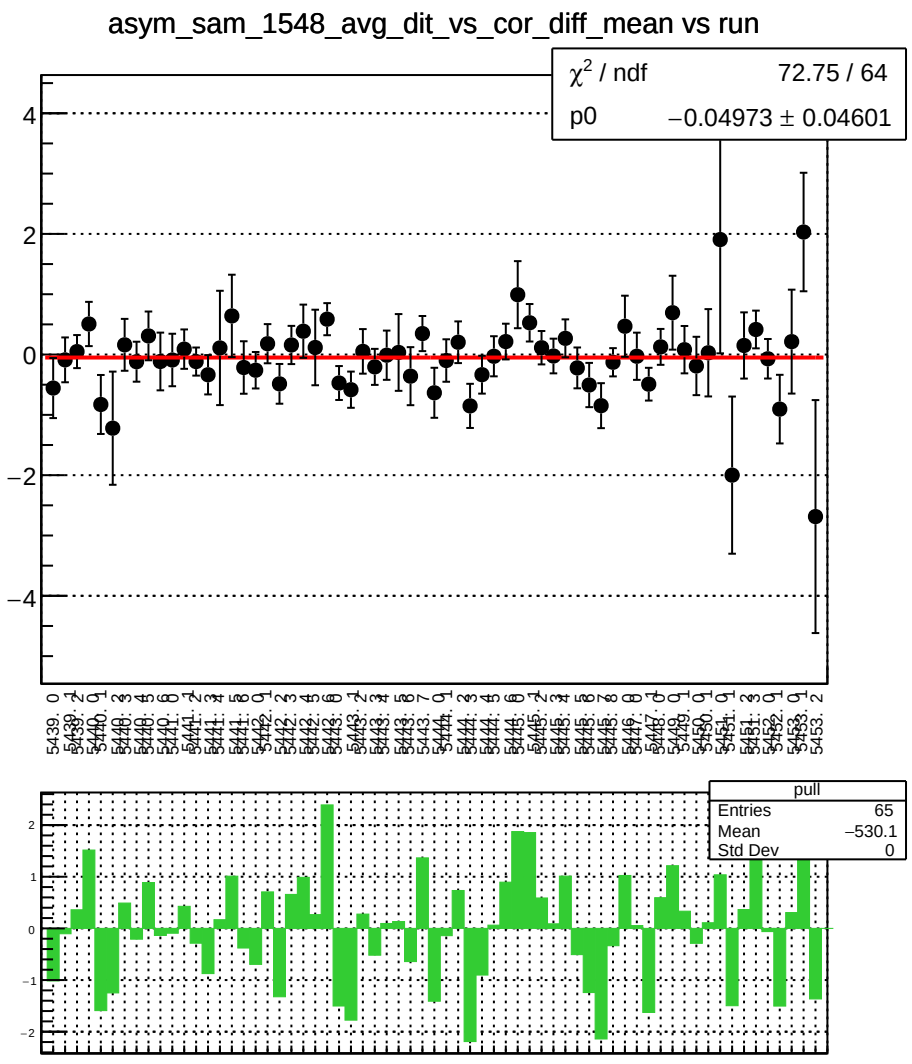

pull1D
Entries 65
Mean 0.002083
Std Dev 1.028

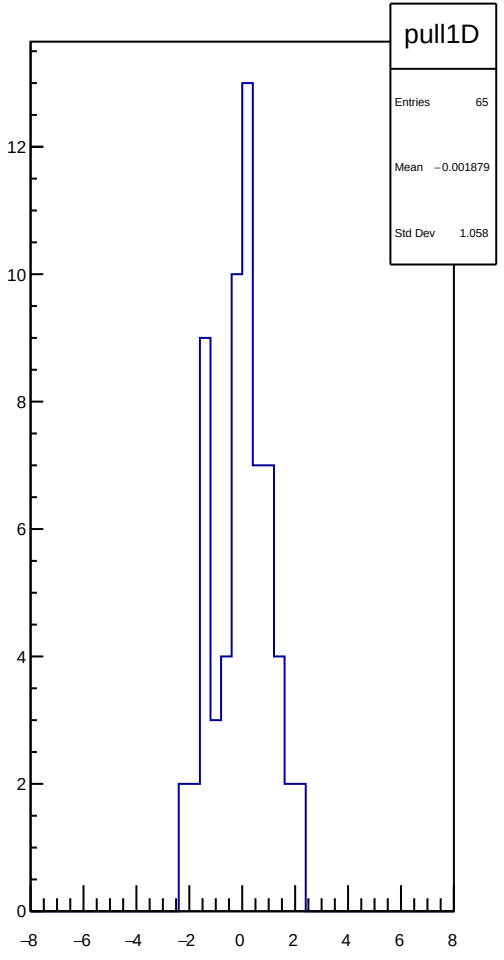

asym_sam_1548_avg_rms vs run
χ² / ndf 1.854e+04 / 64
p0 512 ± 0.4495
1400
1200
1000
800
600
400

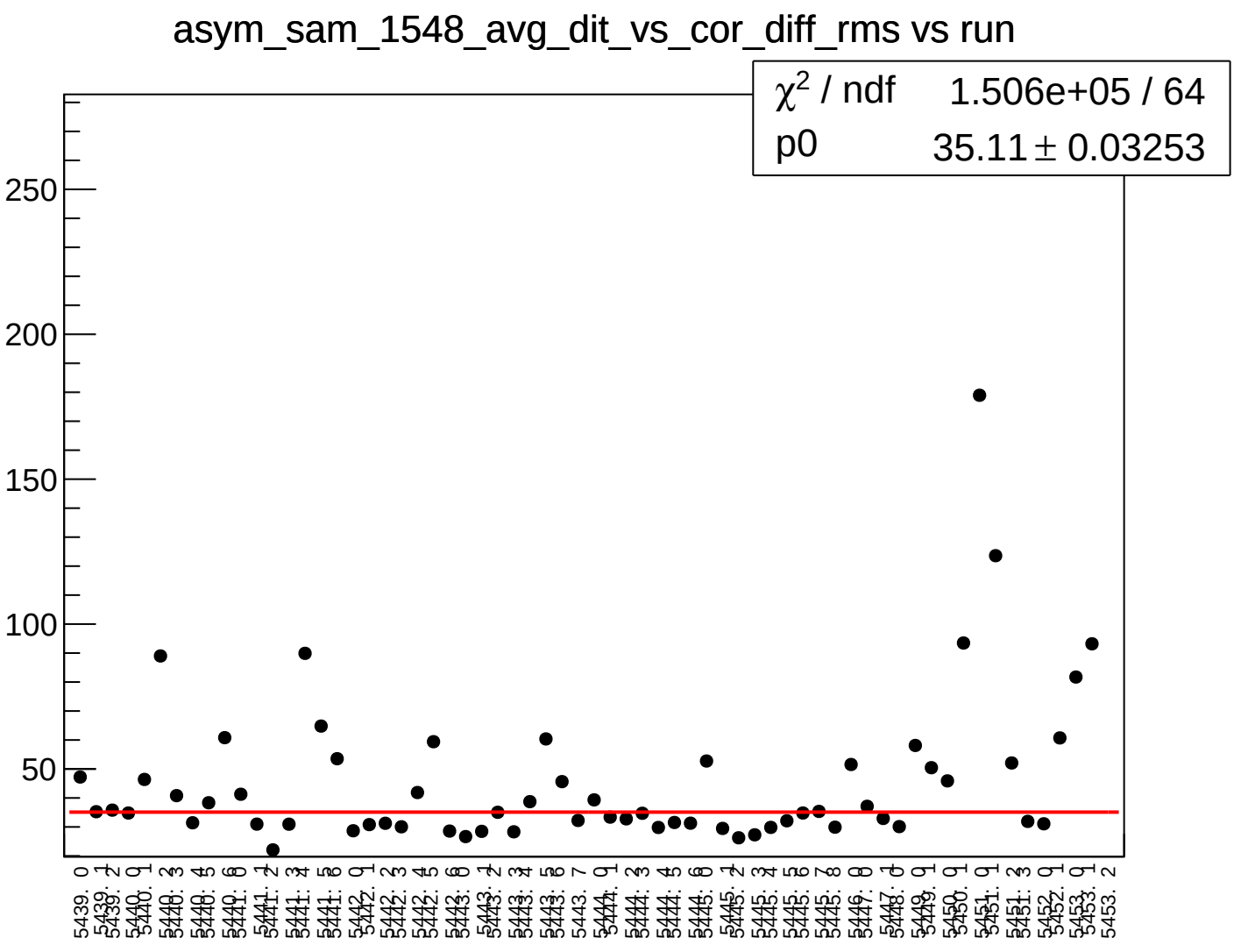

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 96.4 / 64
p0 7.22e−14 ± 2.937e−14
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 47.82
Std Dev 62.33
2
1
0
−1
−2
−3

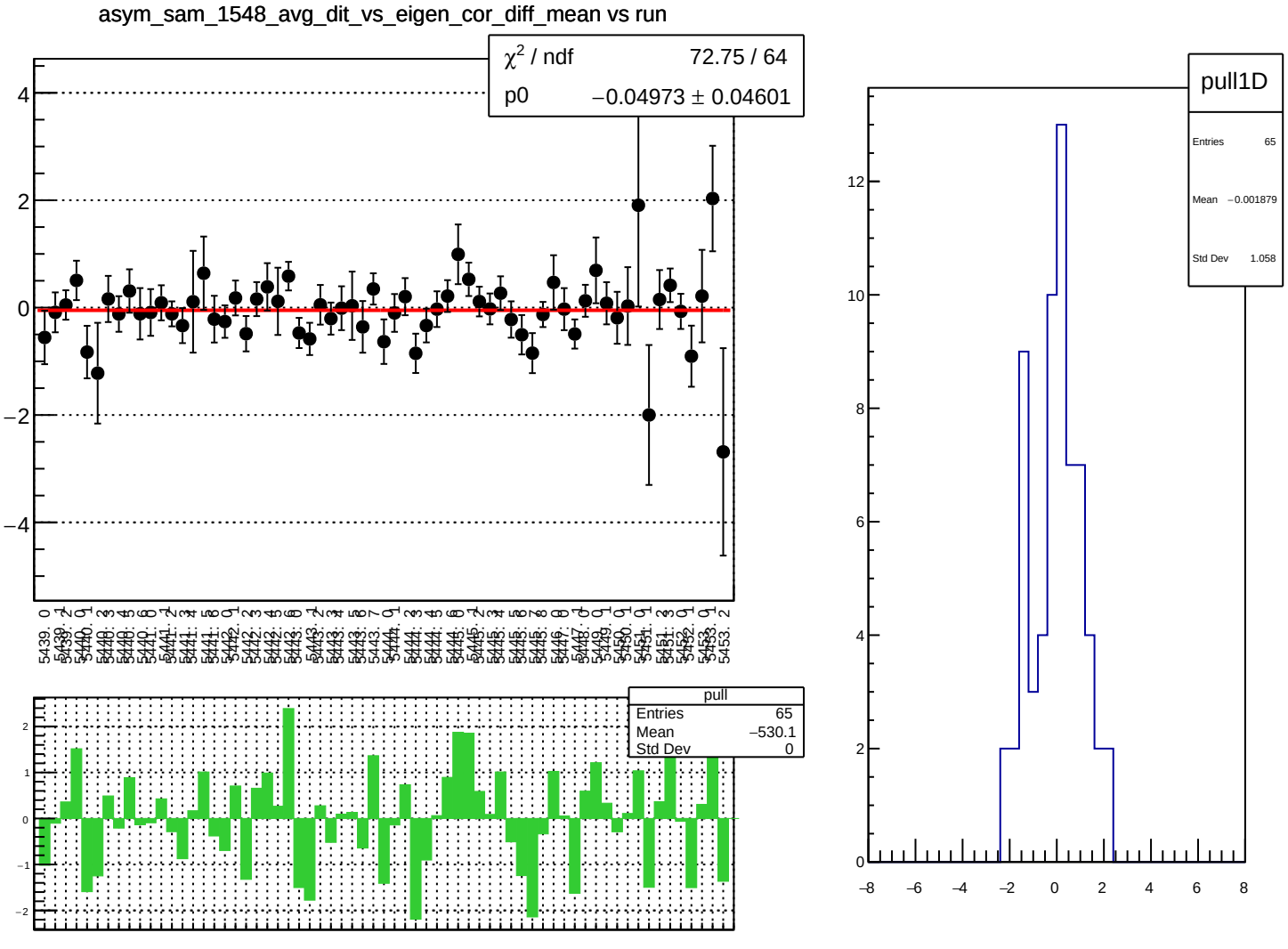

pull1D
Entries 65
Mean 0.009789
Std Dev 1.218
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

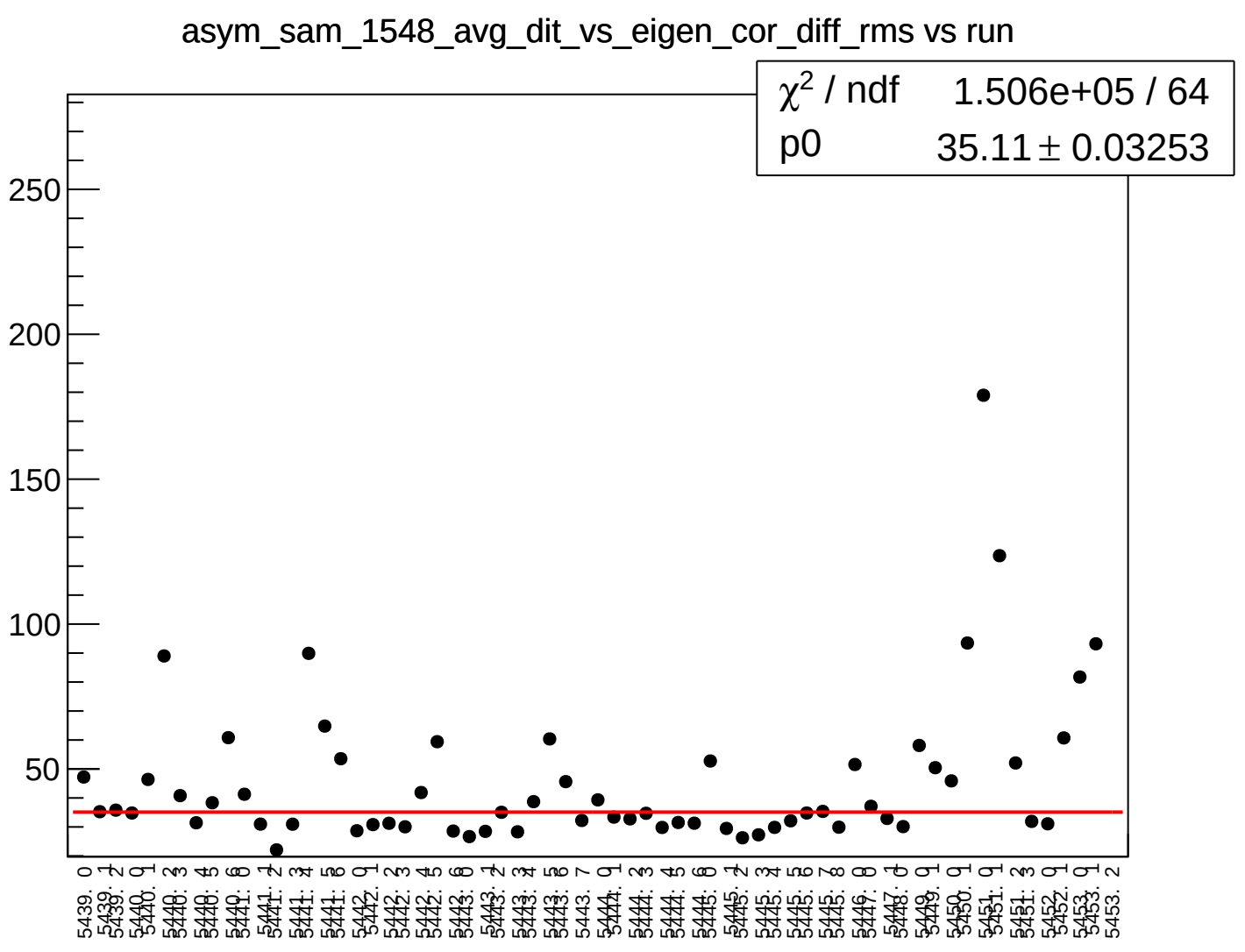

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.17e+05 / 64
p0 1.856e−11 ± 2.077e−14
0.05
0.04
0.03
0.02
0.01
0

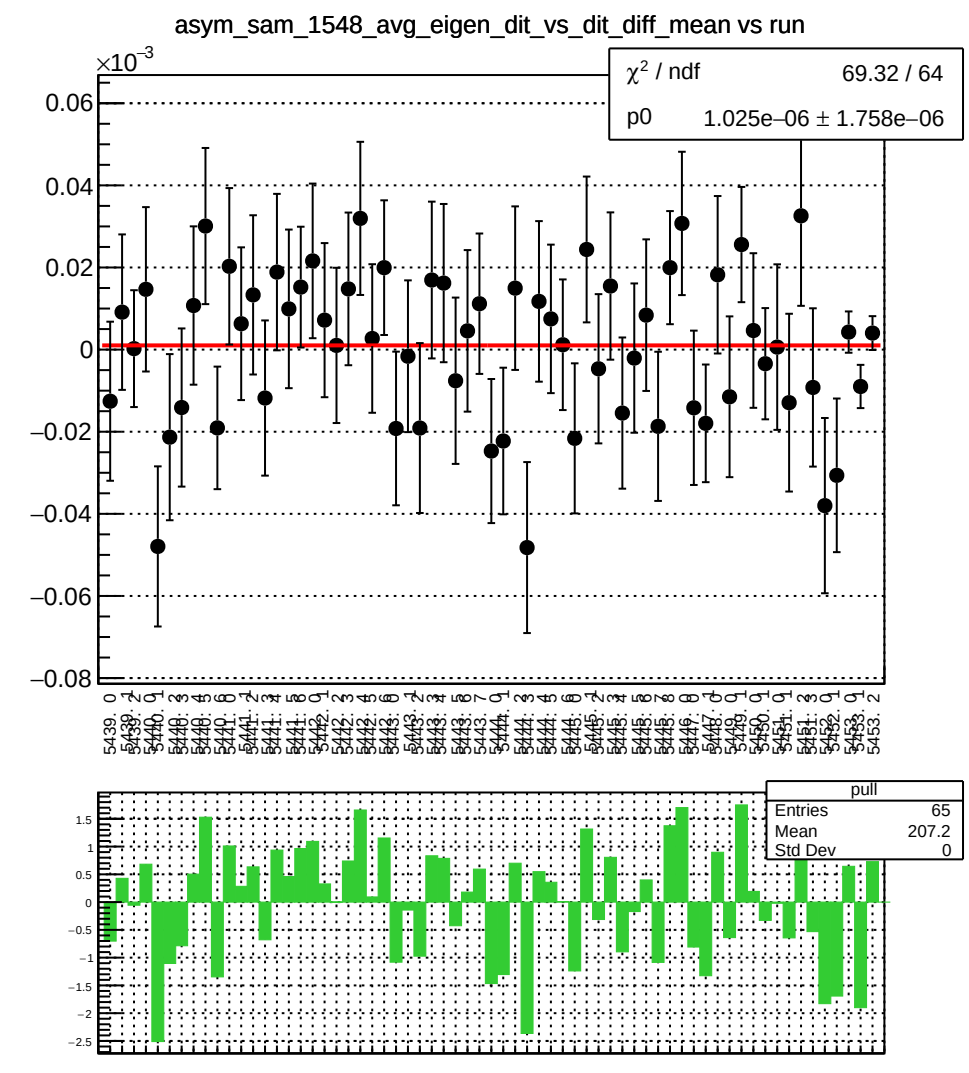

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.75 / 64
p0 −0.04973 ± 0.04601
pull
Entries 65
Mean −530.1
Std Dev 0

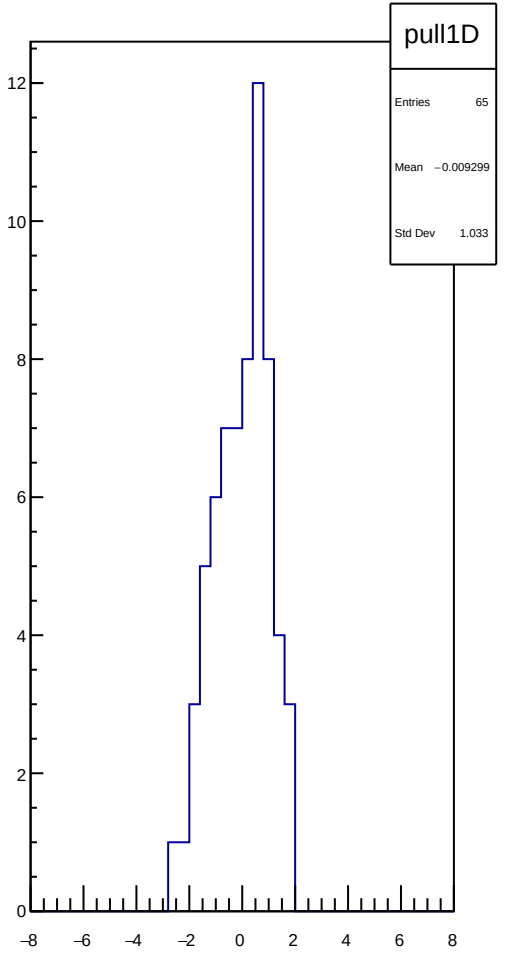

pull1D
Entries 65
Mean −0.001879
Std Dev 1.058

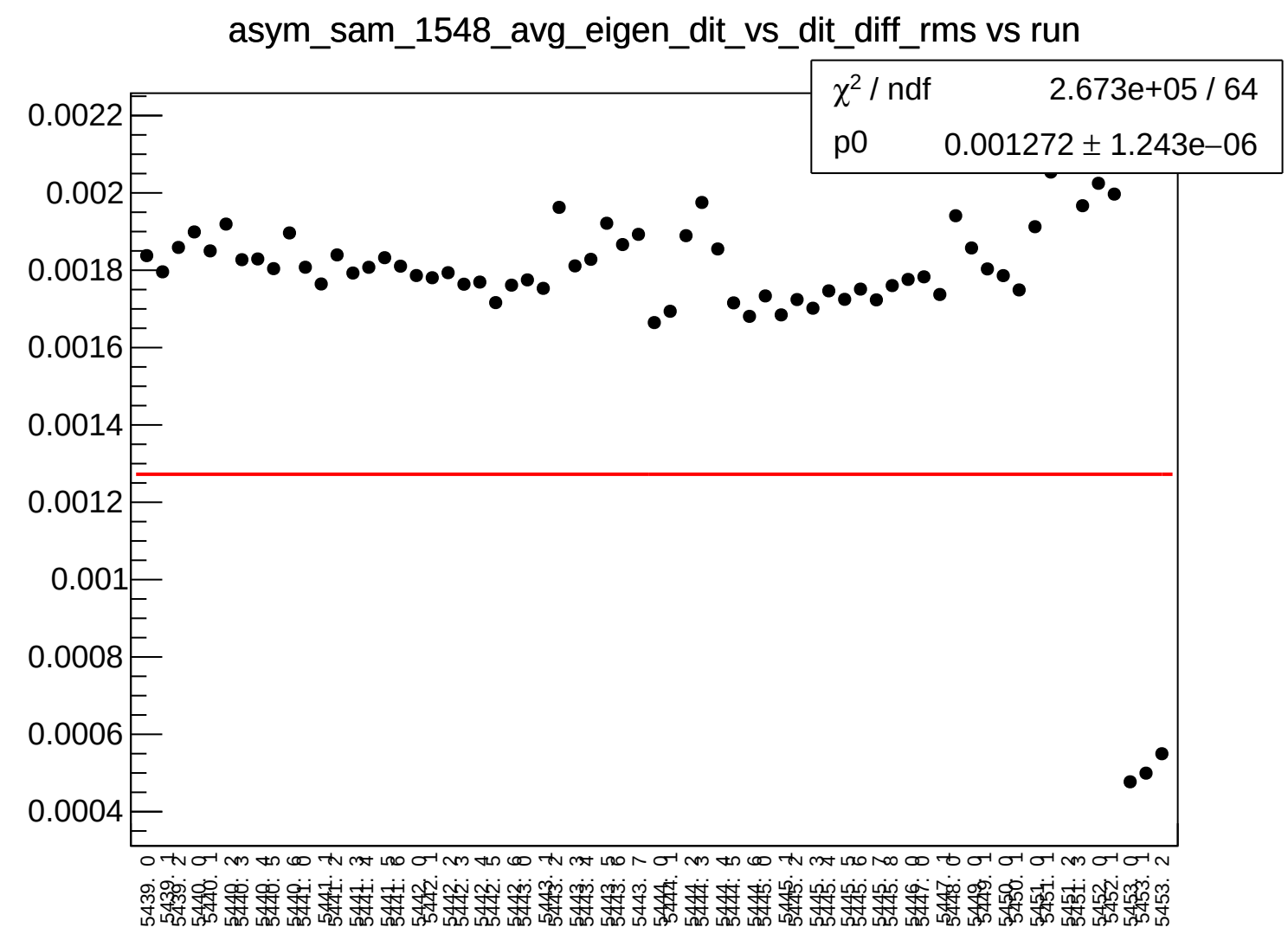

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.506e+05 / 64
p0 35.11 ± 0.03253
250
200
150
100
50

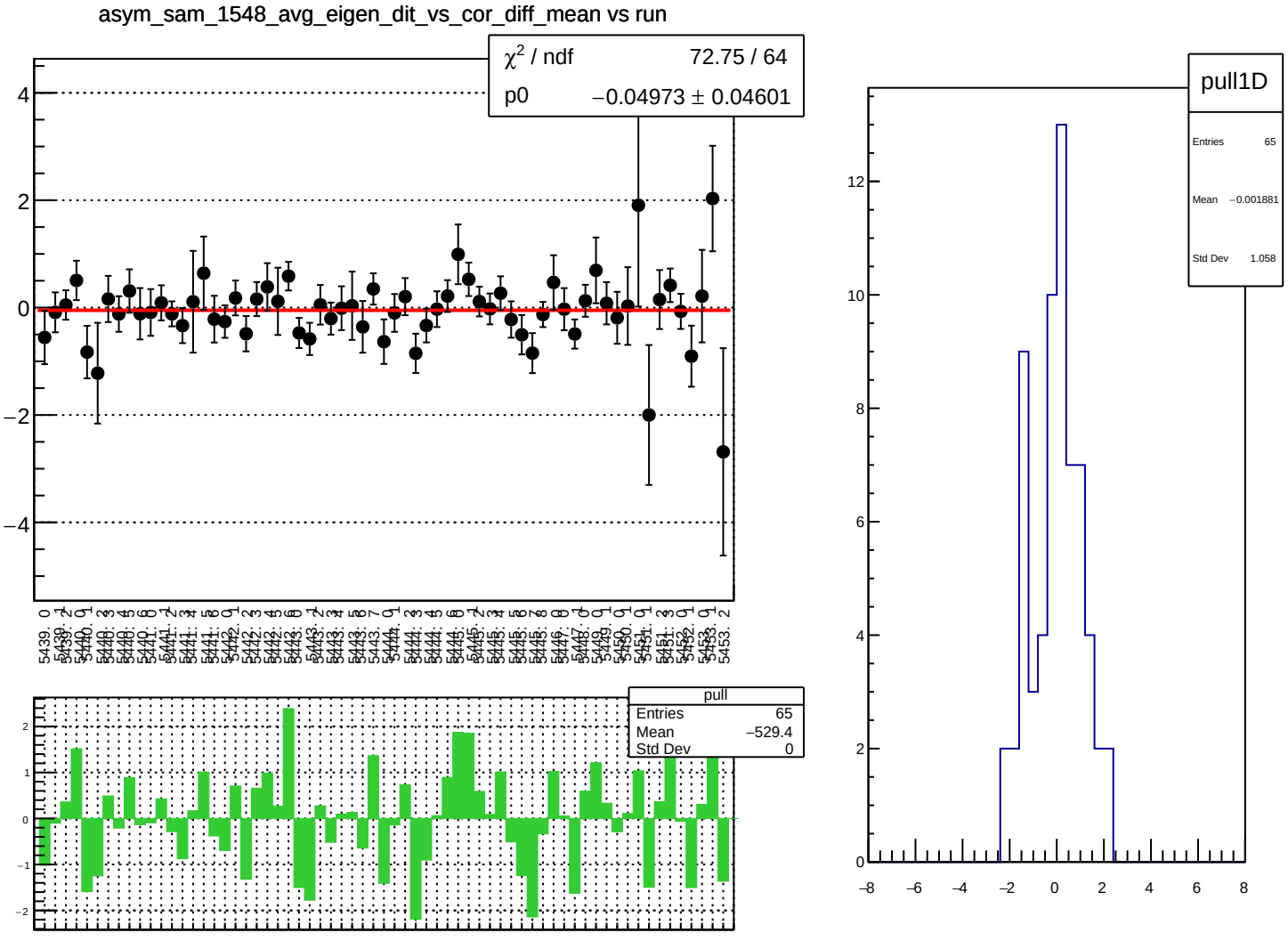

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.75 / 64
p0 −0.04973 ± 0.04601
pull
Entries 65
Mean −530.1
Std Dev 0
pull1D
Entries 65
Mean −0.001879
Std Dev 1.058

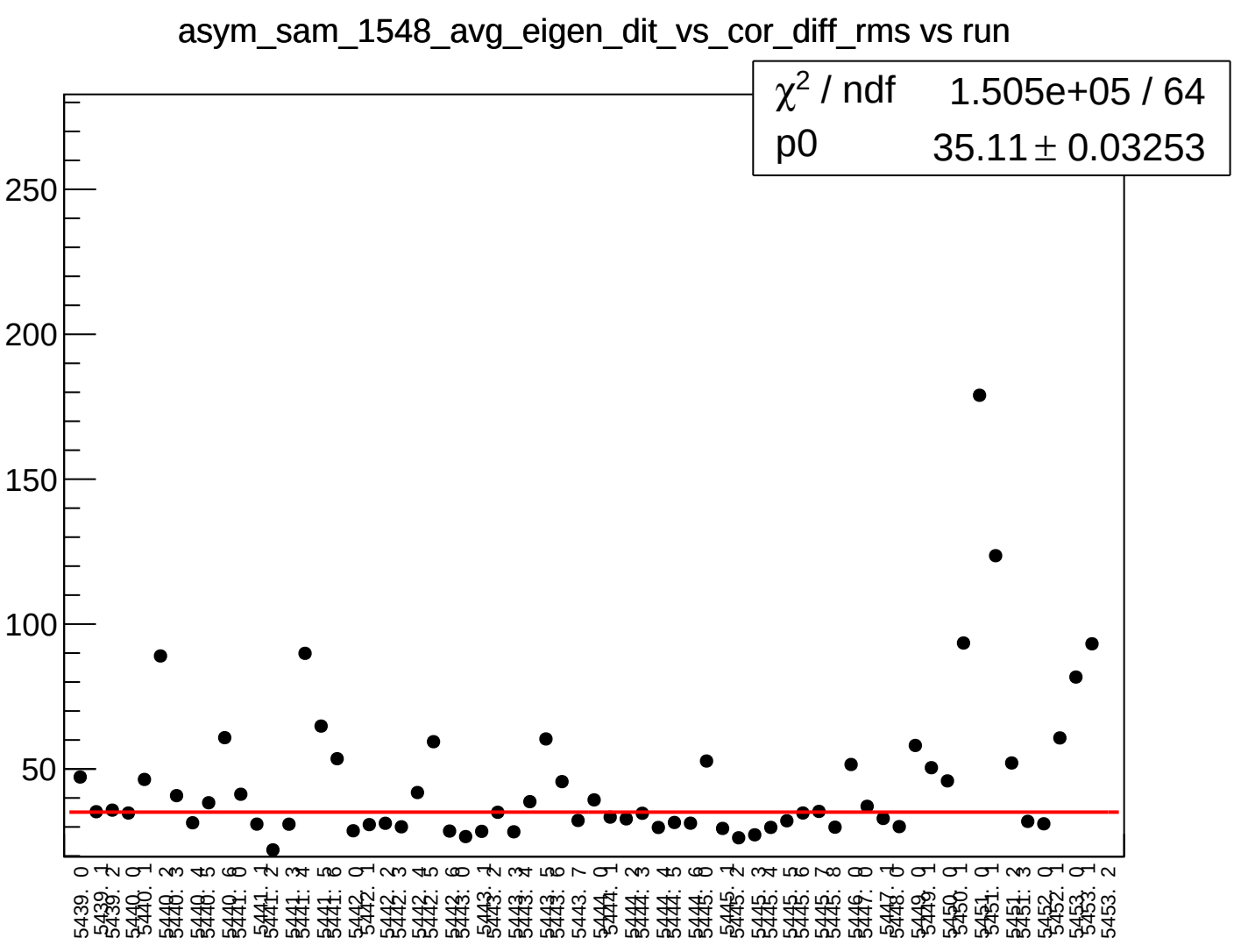

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 64
p0 35.11 ± 0.03253
250
200
150
100
50

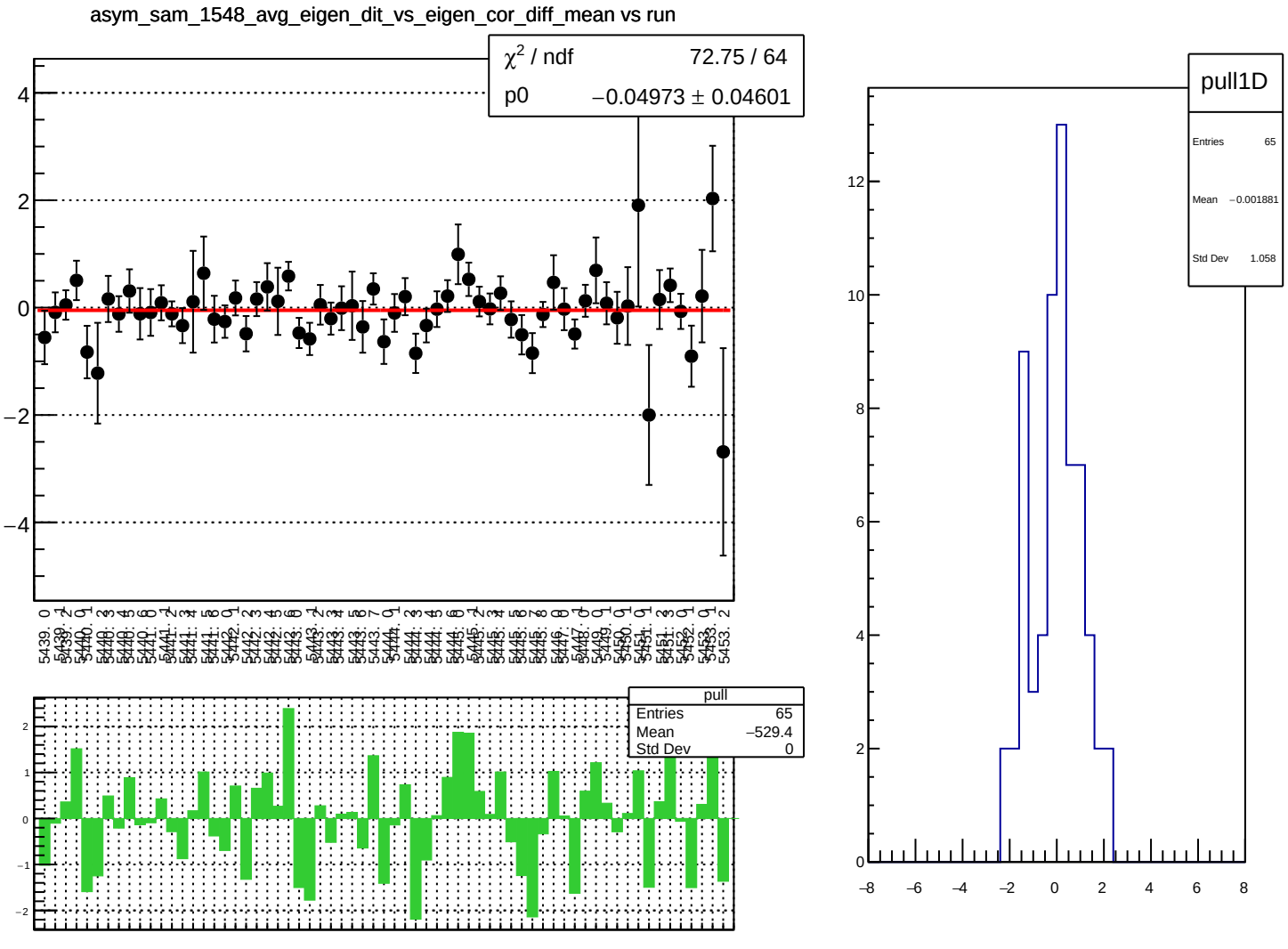

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.32 / 64
p0 1.025e−06 ± 1.758e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 65
Mean 207.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

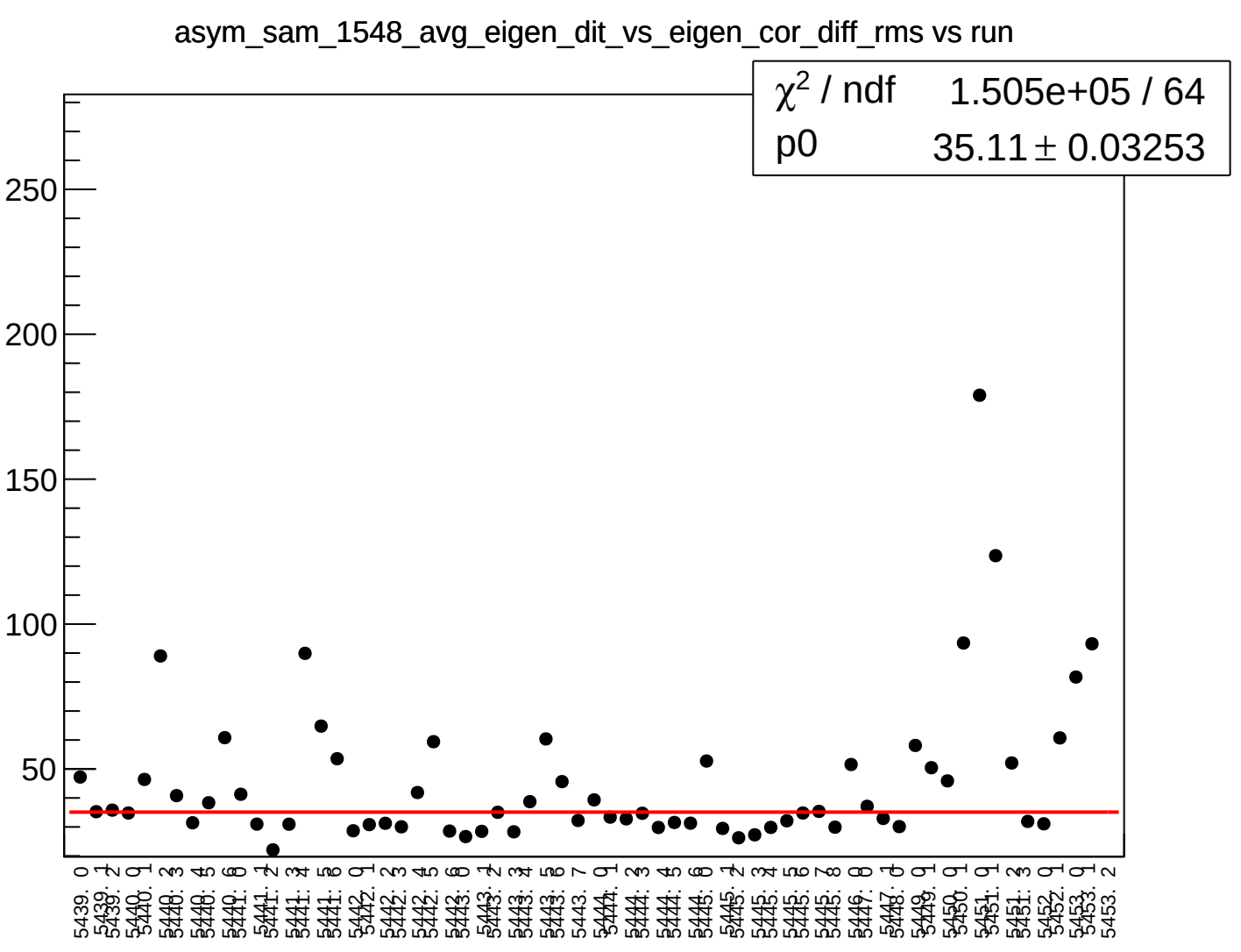

pull1D
Entries 65
Mean −0.009299
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

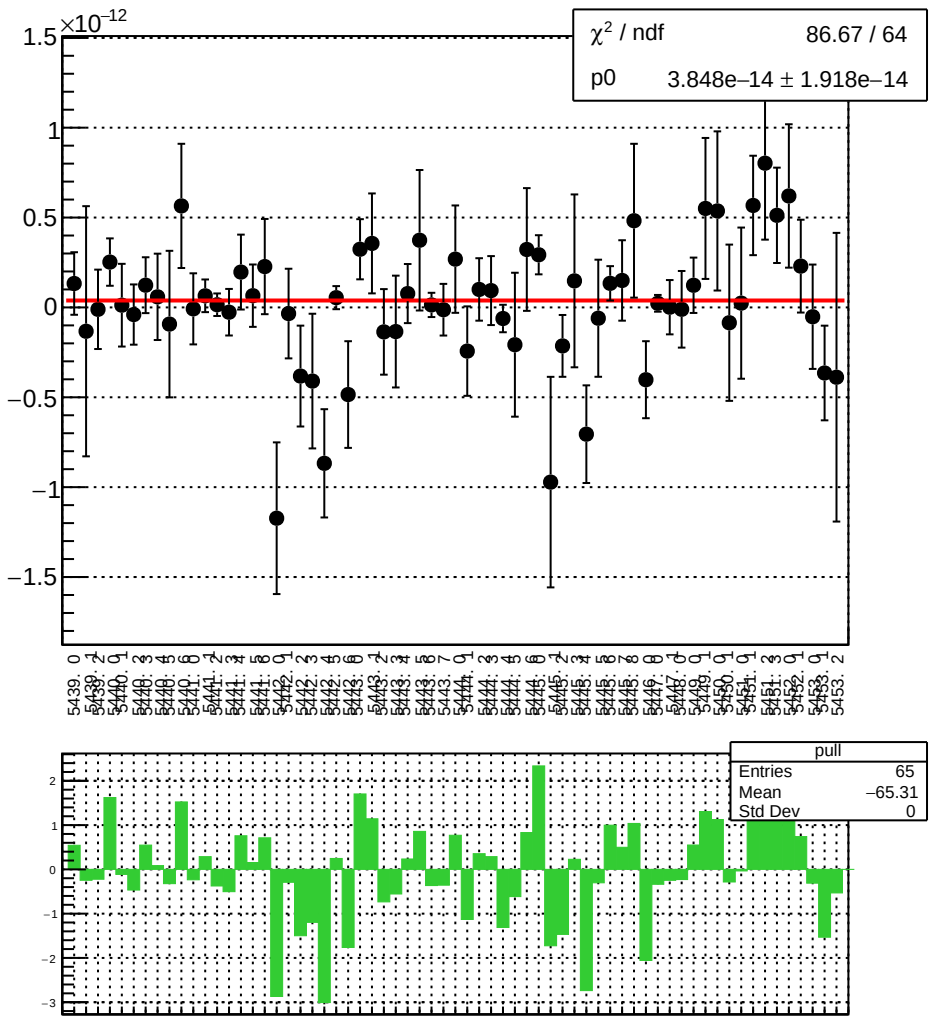

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.673e+05 / 64
p0 0.001272 ± 1.243e−06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

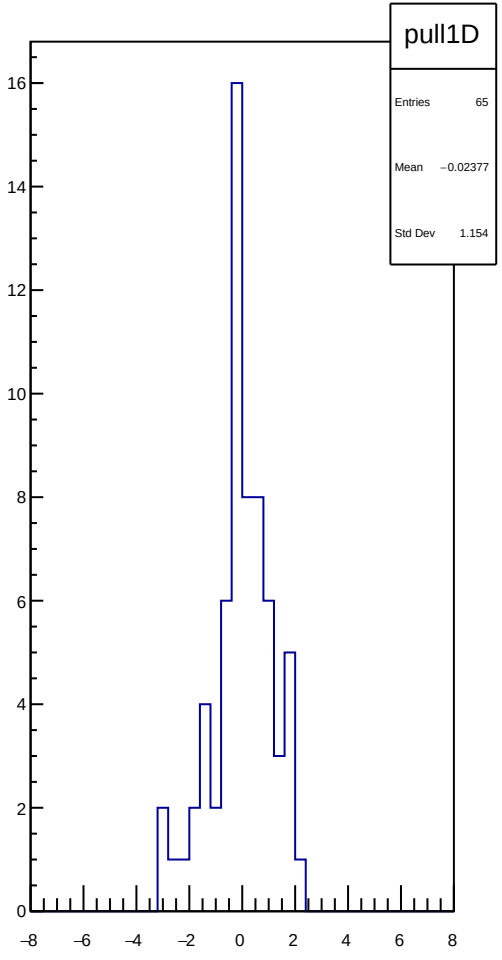

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.75 / 64
p0 −0.04973 ± 0.04601
pull
Entries 65
Mean −529.4
Std Dev 0
pull1D
Entries 65
Mean −0.001881
Std Dev 1.058

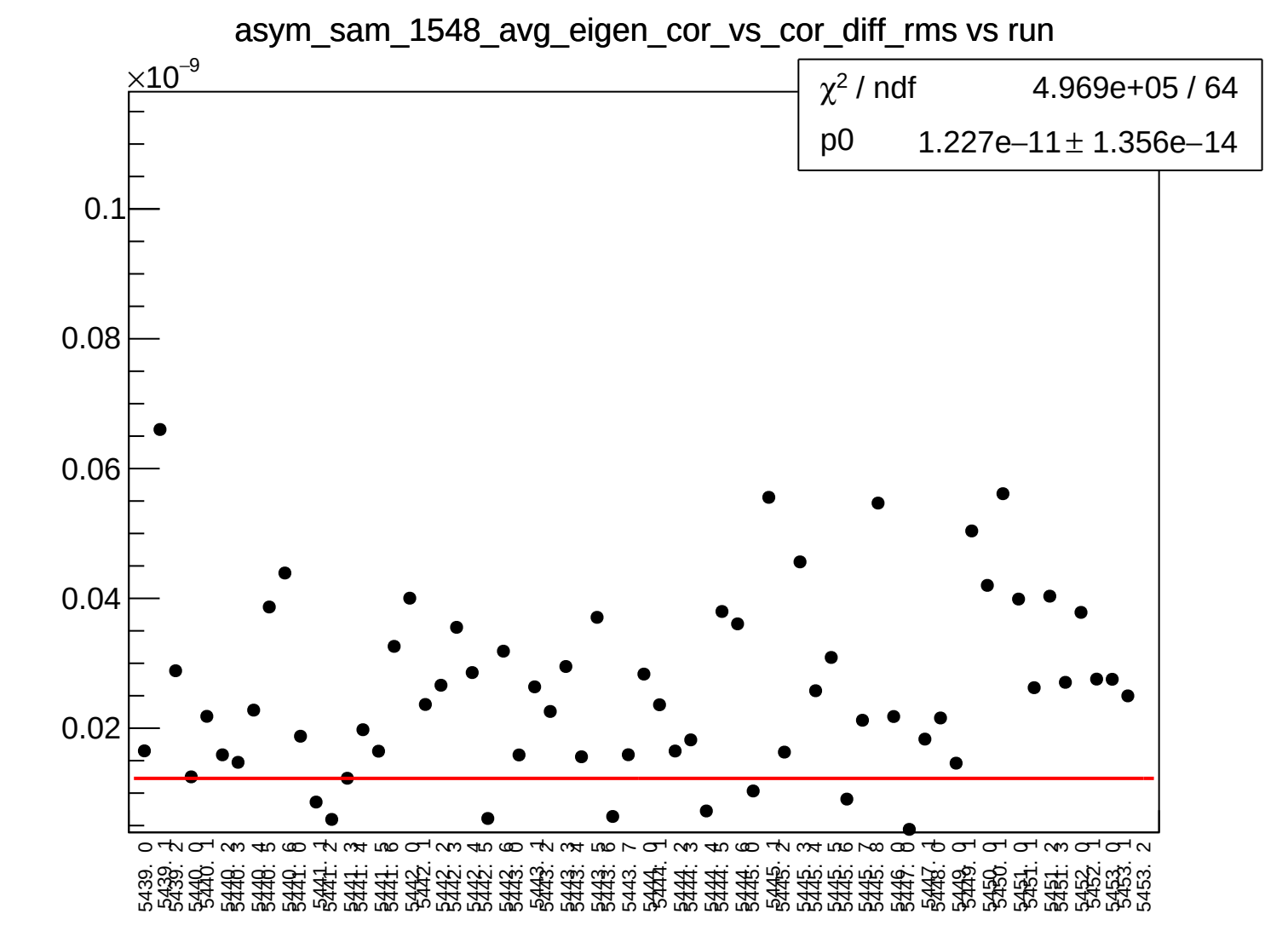

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.505e+05 / 64
p0 35.11 ± 0.03253
250
200
150
100
50

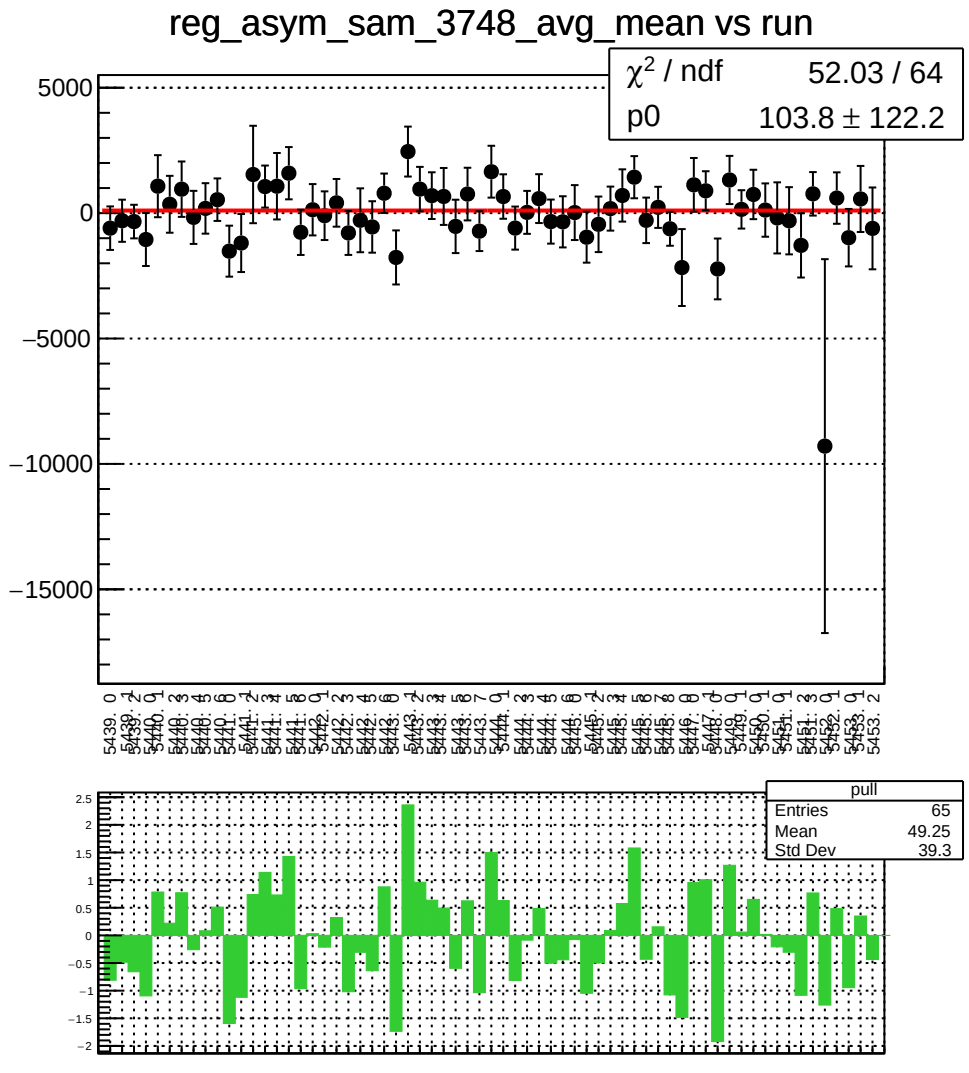

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.75 / 64
p0 −0.04973 ± 0.04601
pull
Entries 65
Mean −529.4
Std Dev 0
pull1D
Entries 65
Mean −0.001881
Std Dev 1.058

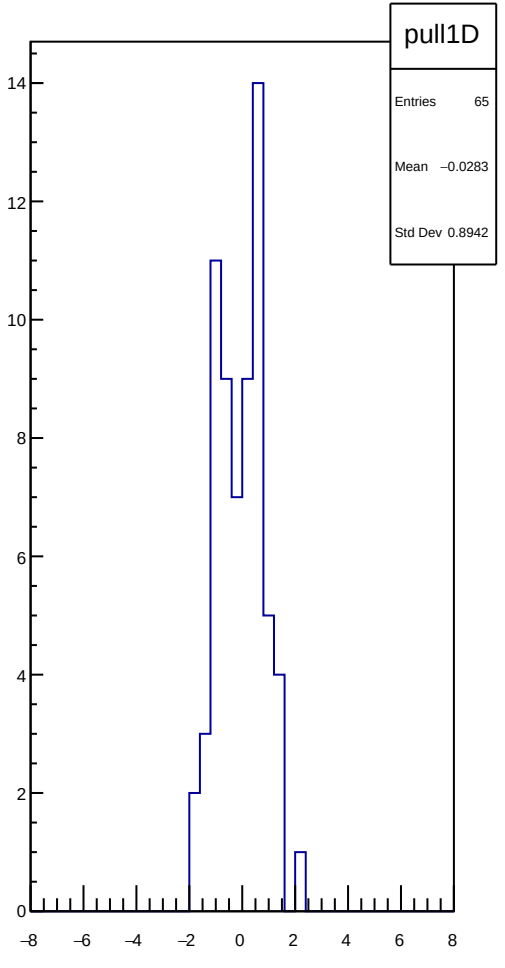

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.505e+05 / 64
p0 35.11 ± 0.03253
250
200
150
100
50

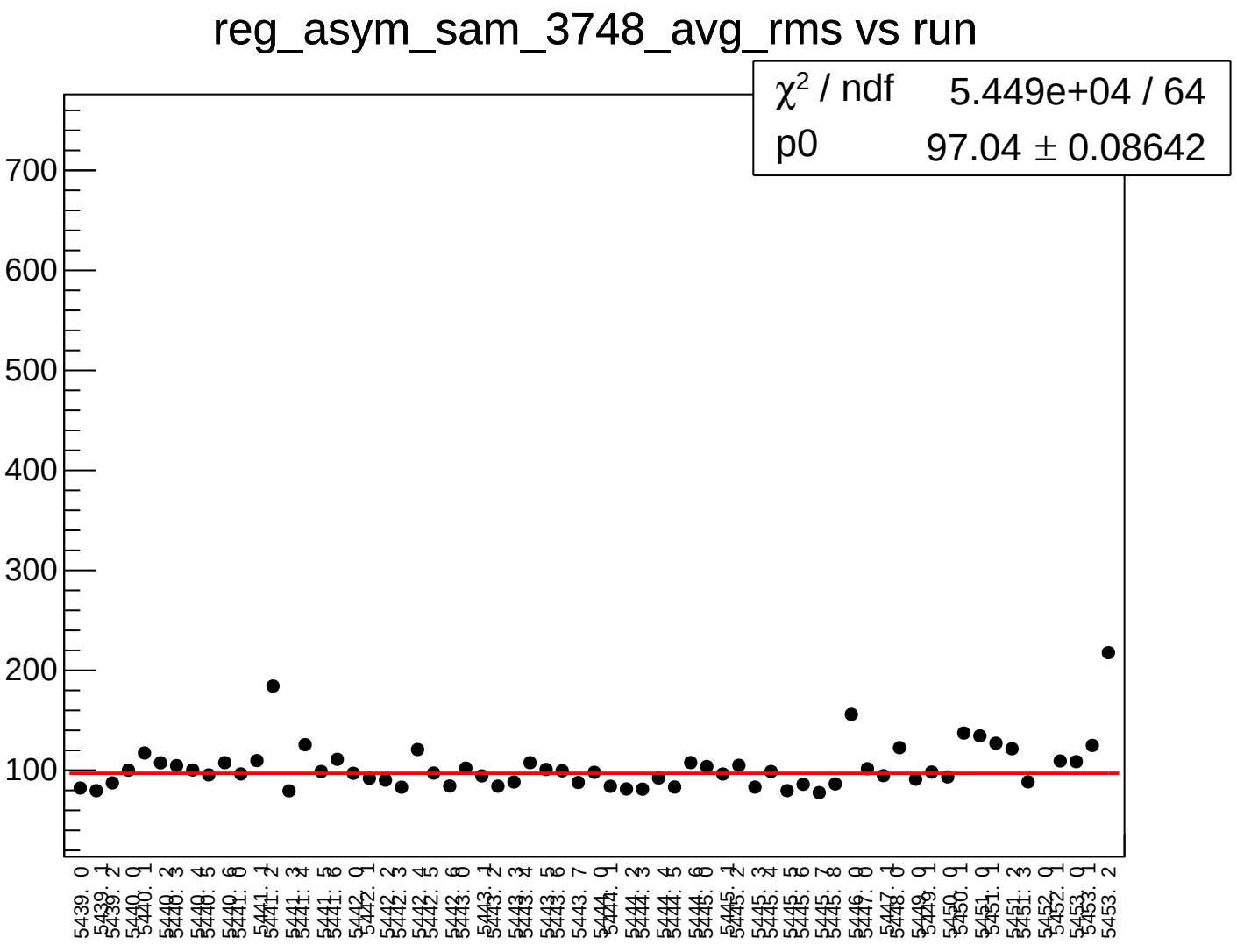

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.67 / 64
p0 3.848e−14 ± 1.918e−14
pull
Entries 65
Mean −65.31
Std Dev 0

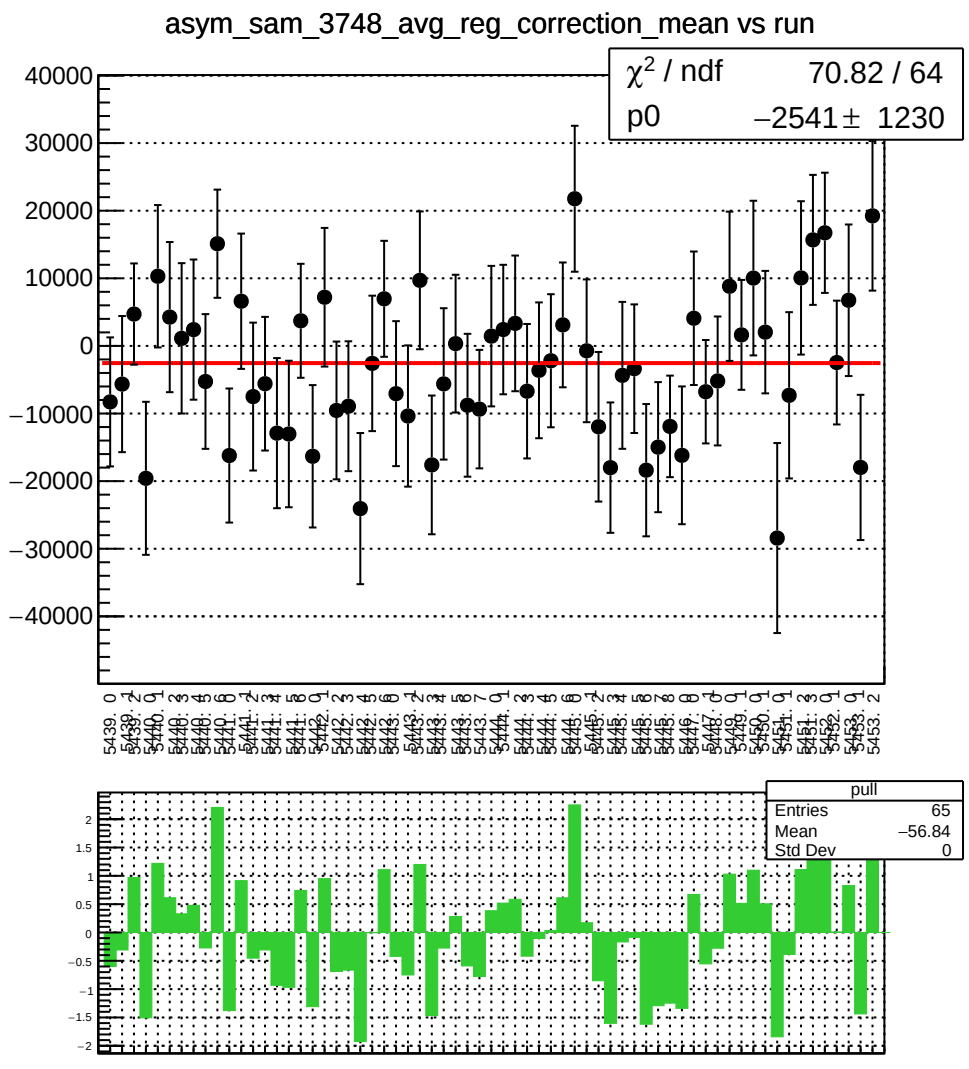

pull1D
Entries 65
Mean −0.02377
Std Dev 1.154

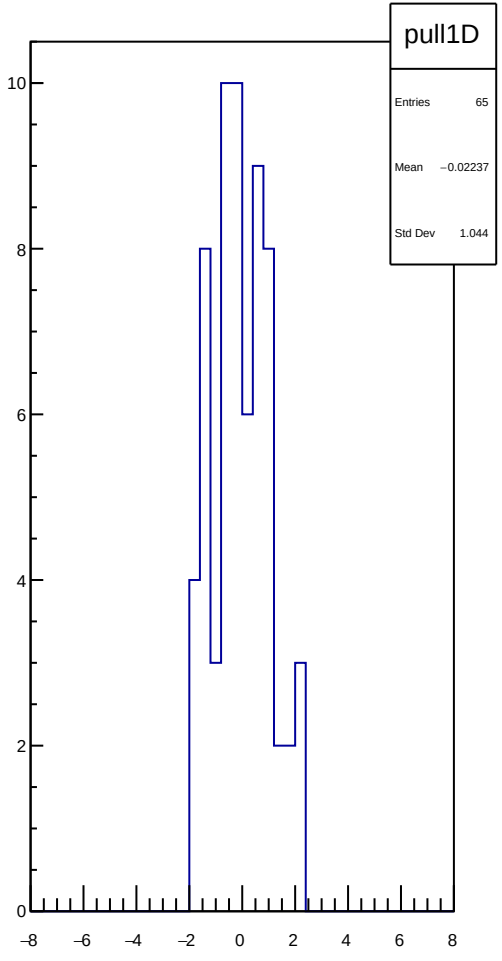

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.969e+05 / 64
p0 1.227e−11 ± 1.356e−14
0.1
0.08
0.06
0.04
0.02

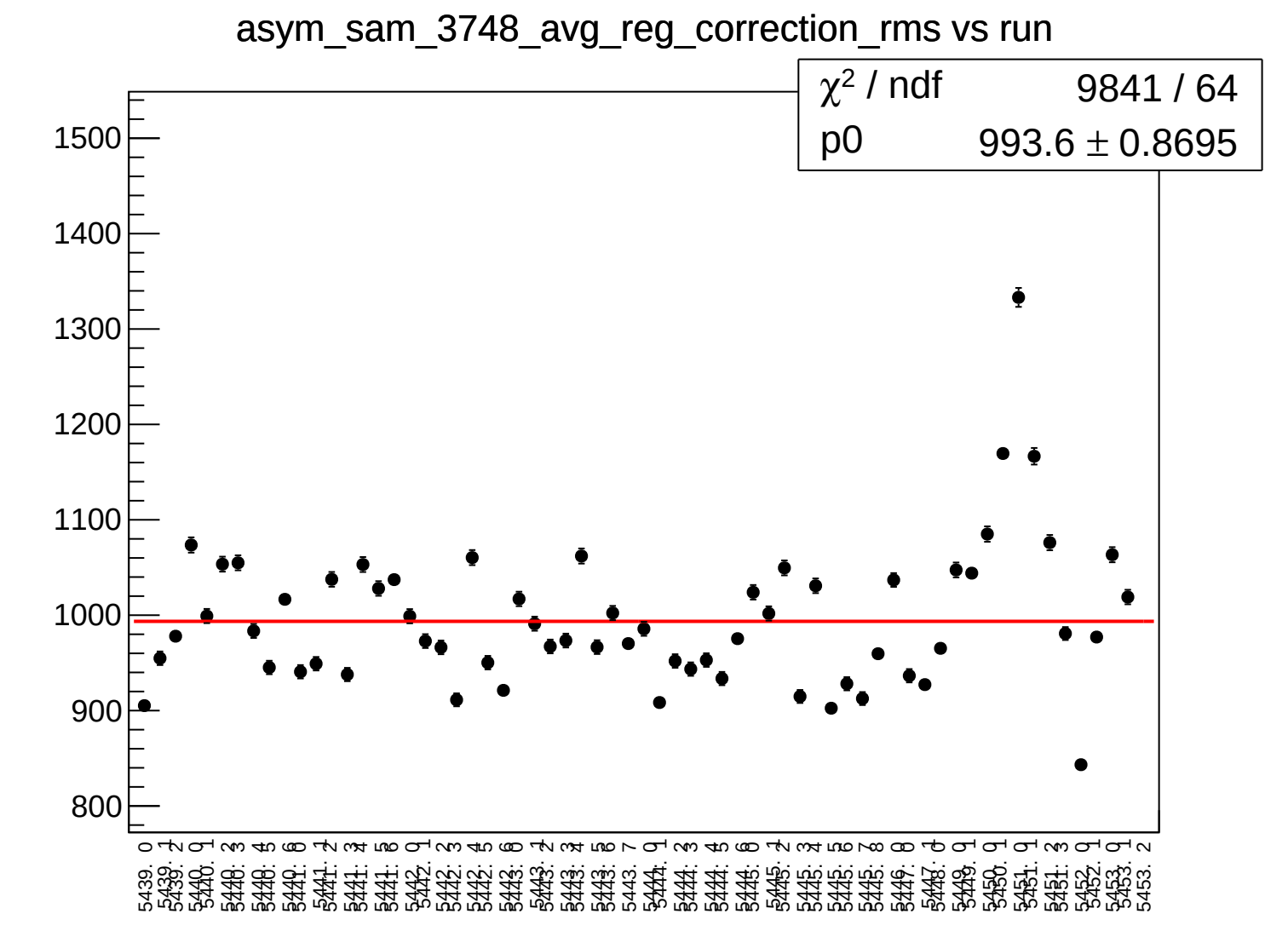

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 52.03 / 64
p0 103.8 ± 122.2
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 49.25
Std Dev 39.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

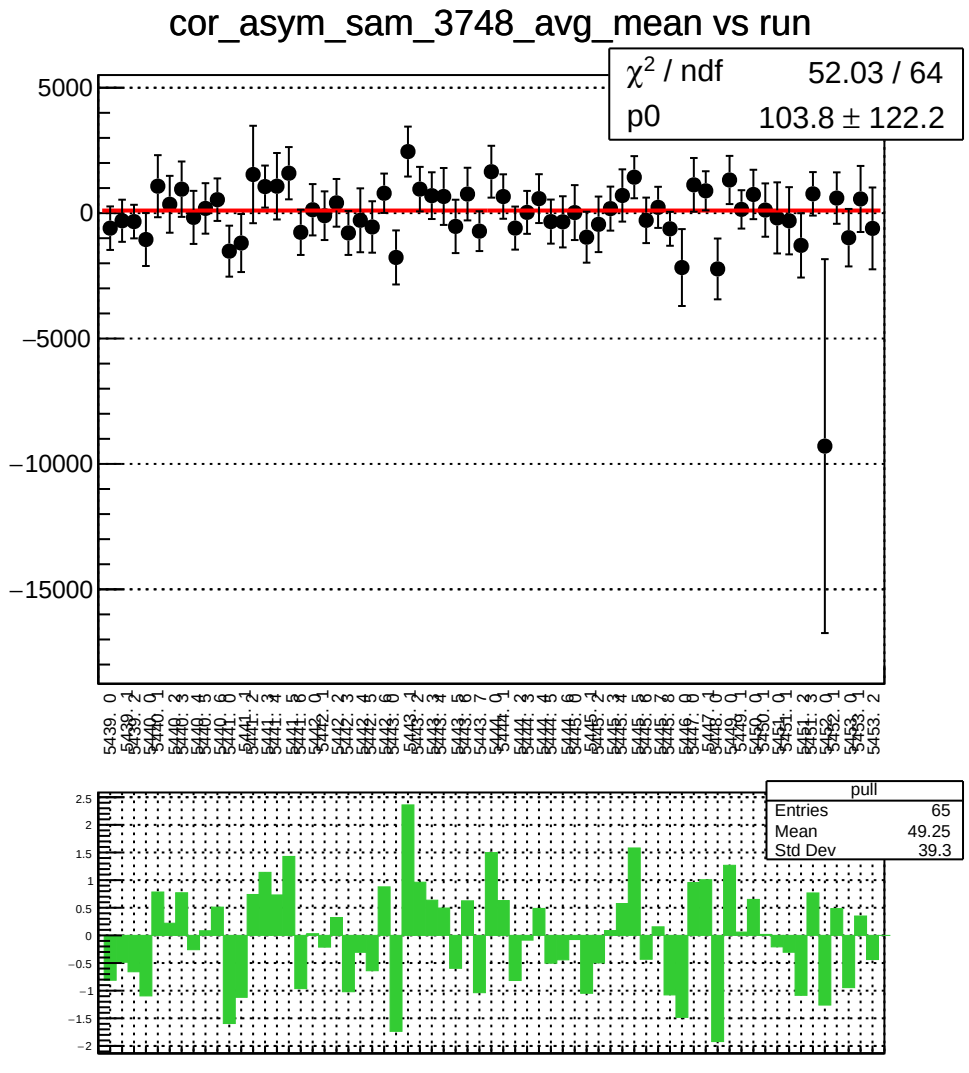

pull1D
Entries 65
Mean −0.0283
Std Dev 0.8942
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

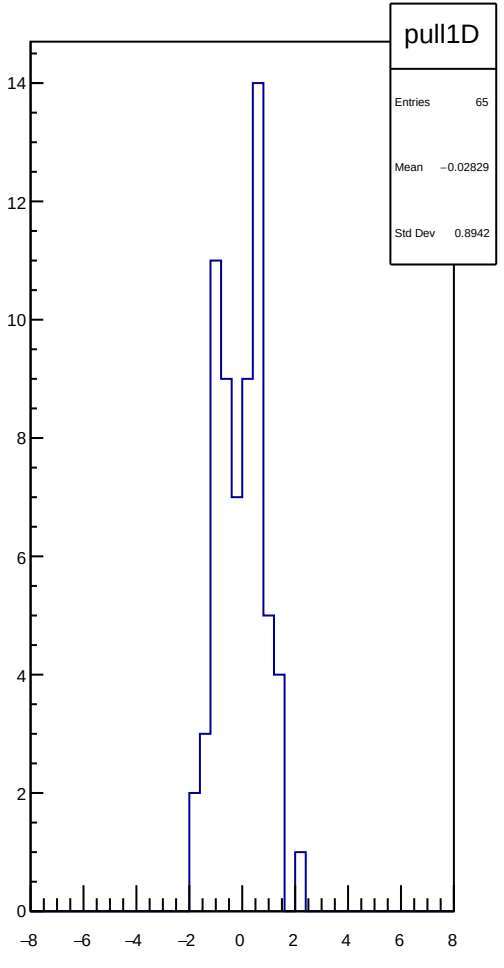

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 5.449e+04 / 64
p0 97.04 ± 0.08642
700
600
500
400
300
200
100

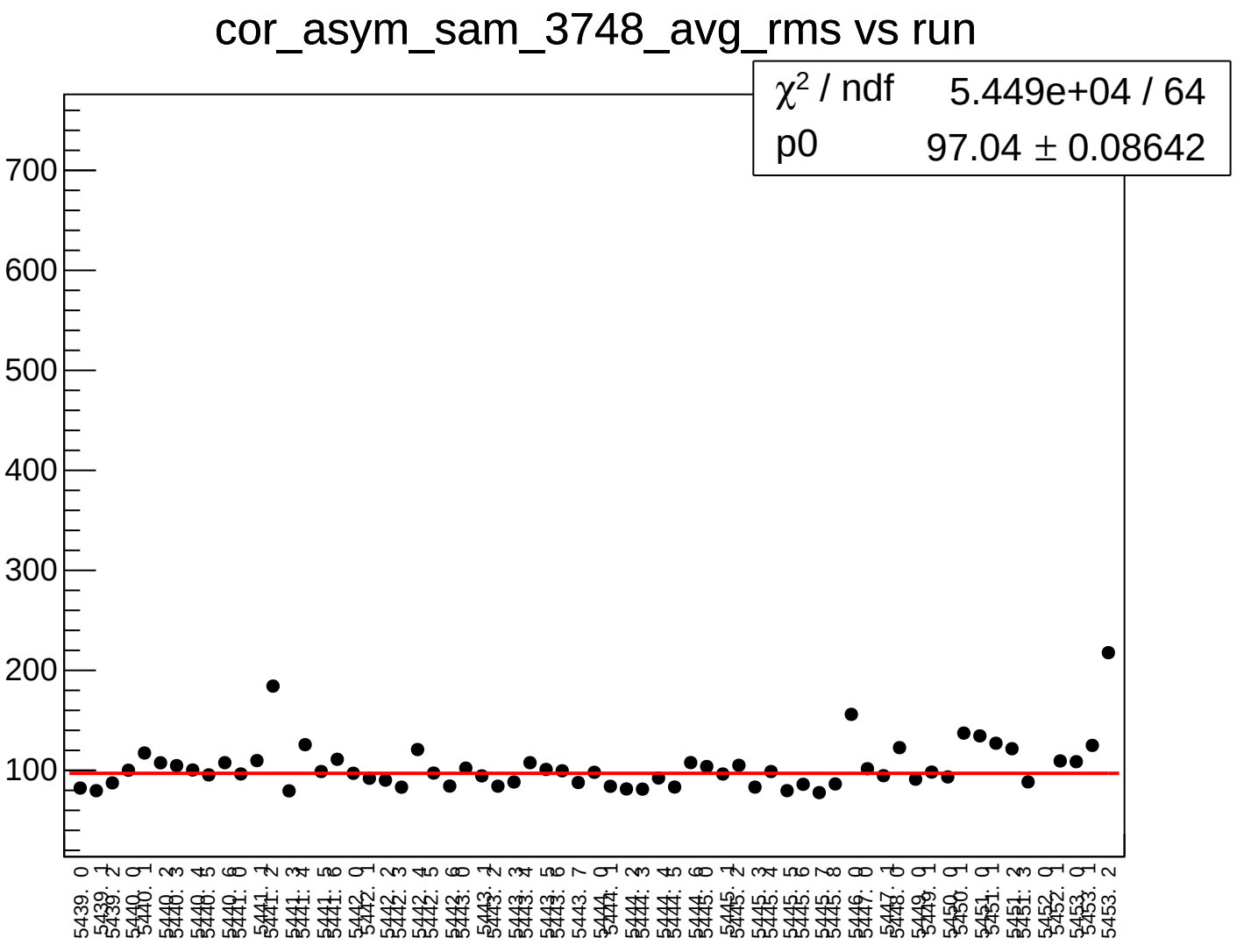

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 70.82 / 64
p0 −2541 ± 1230
pull
Entries 65
Mean −56.84
Std Dev 0

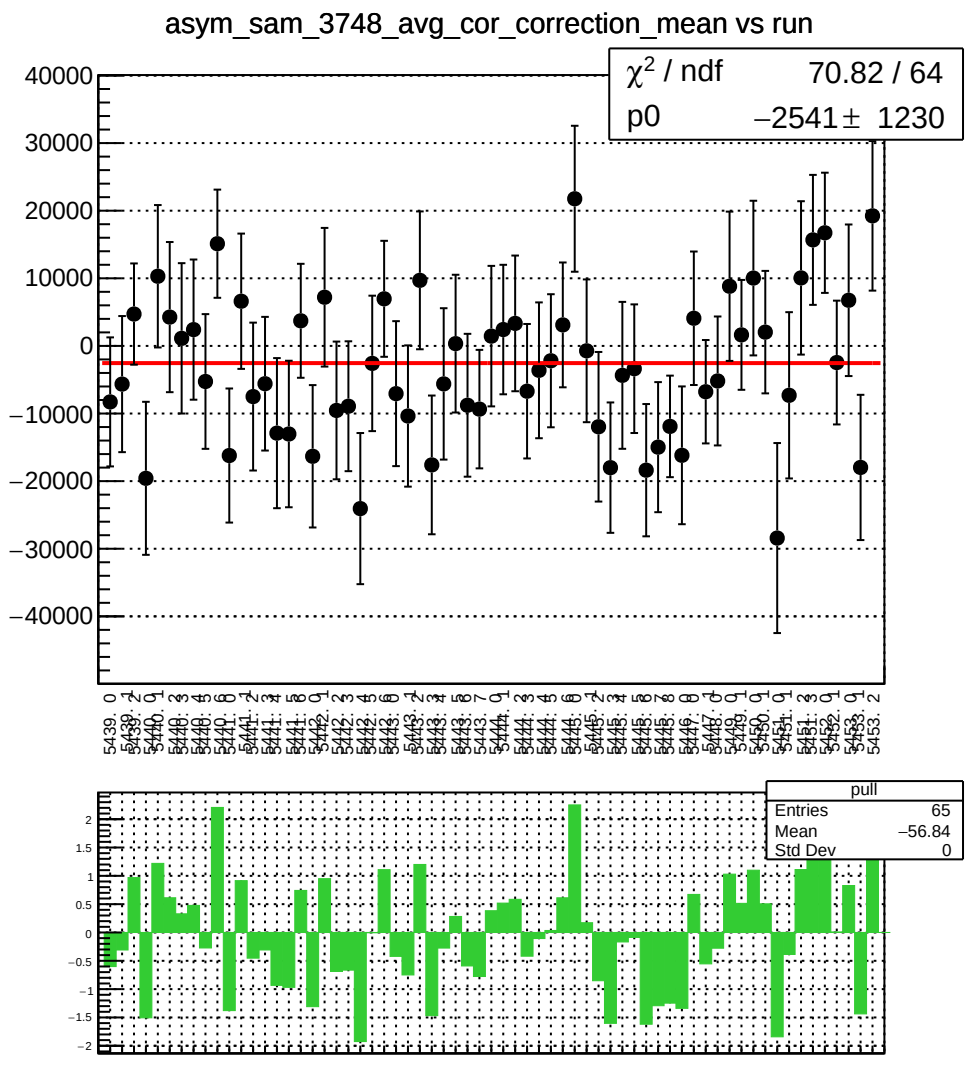

pull1D
Entries 65
Mean −0.02237
Std Dev 1.044

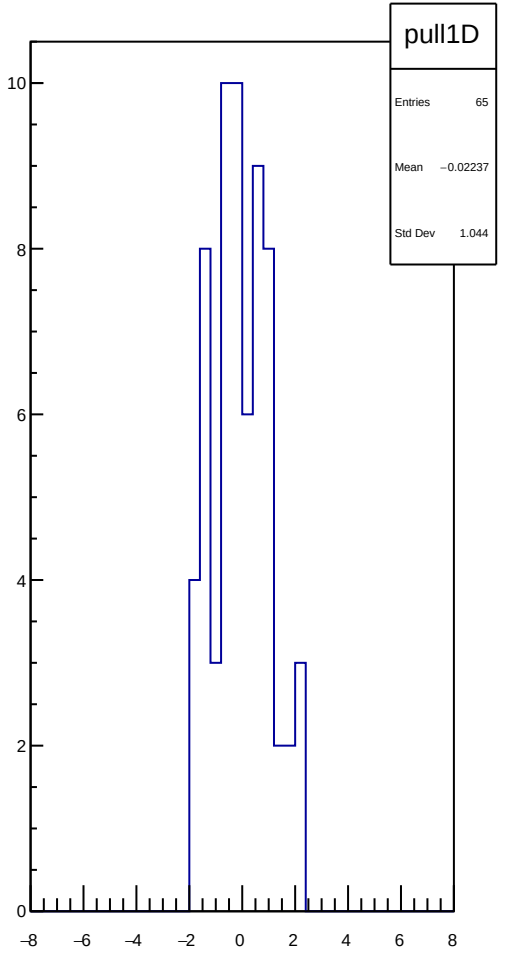

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 9841 / 64
p0 993.6 ± 0.8695
1500
1400
1300
1200
1100
1000
900
800

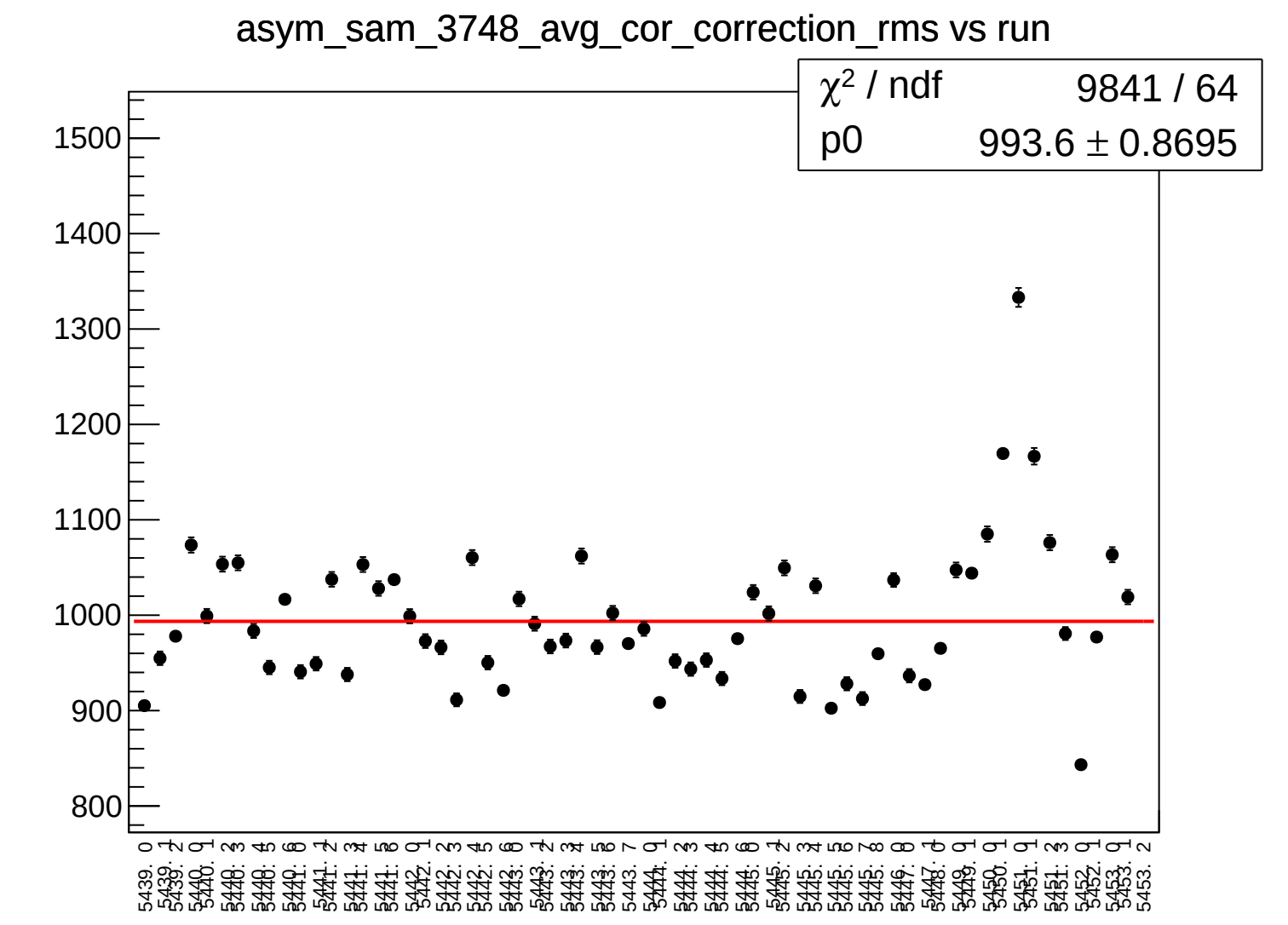

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 52.03 / 64
p0 103.8 ± 122.2
pull
Entries 65
Mean 49.25
Std Dev 39.3

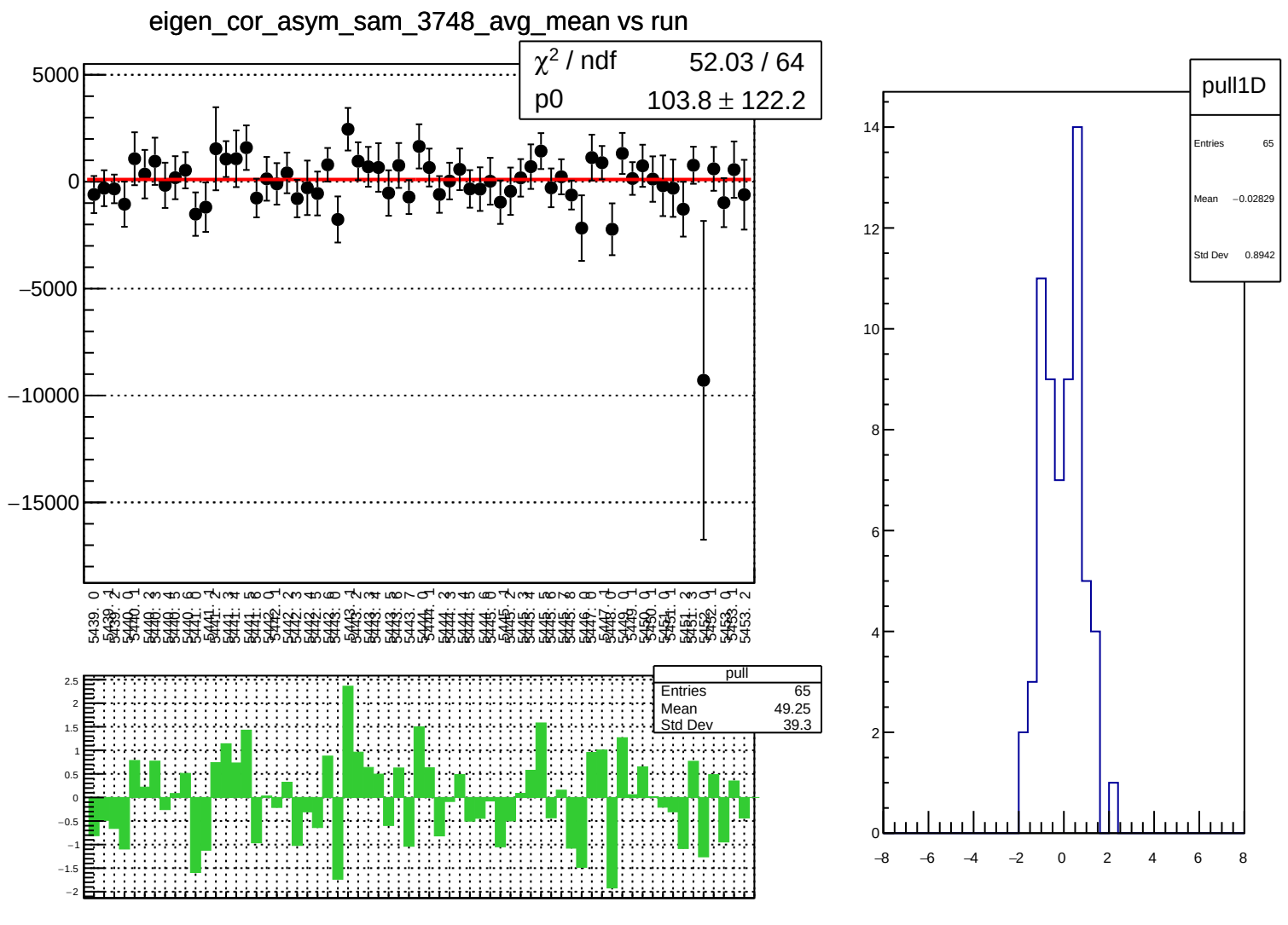

pull1D
Entries 65
Mean −0.02829
Std Dev 0.8942

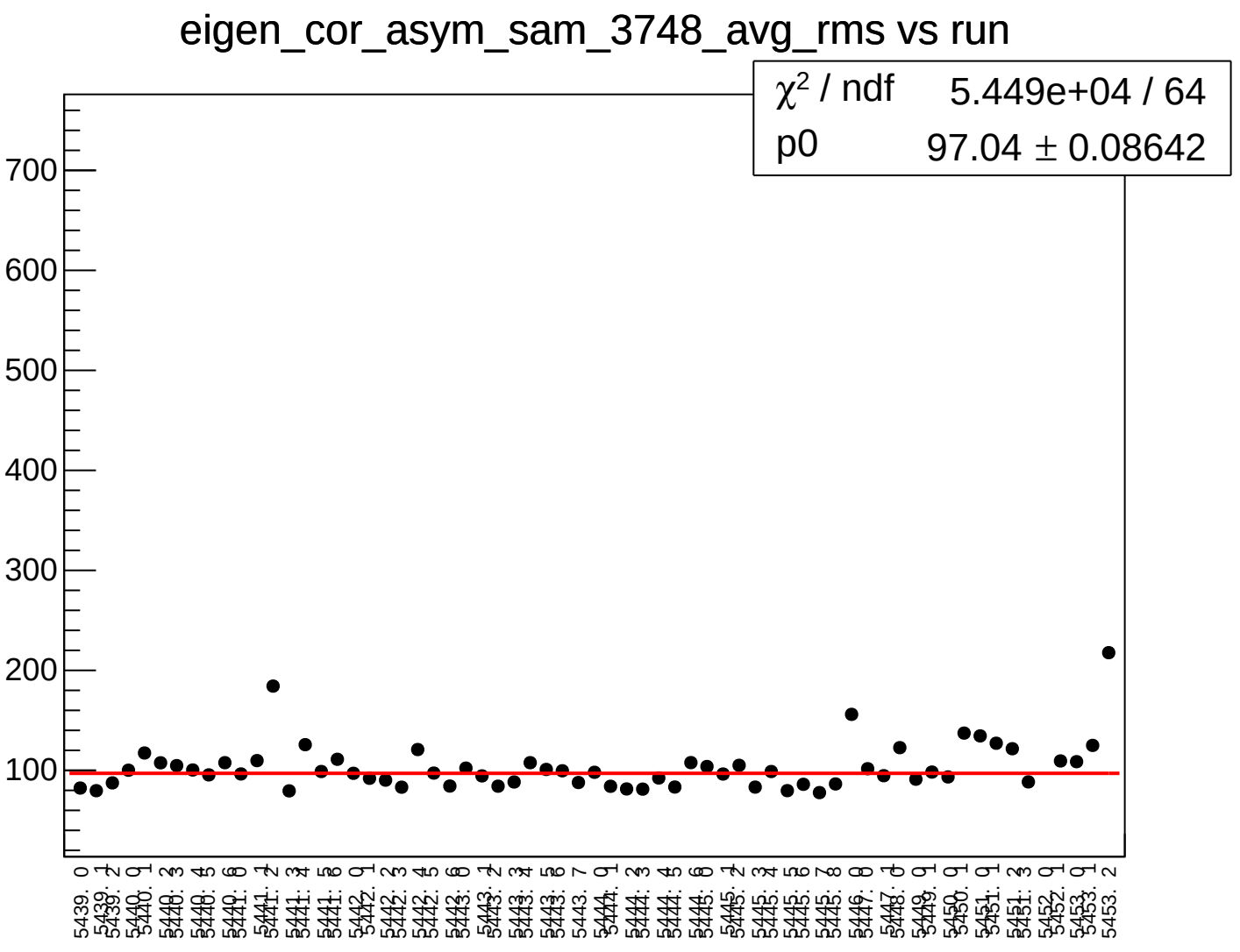

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 5.449e+04 / 64
p0 97.04 ± 0.08642
700
600
500
400
300
200
100

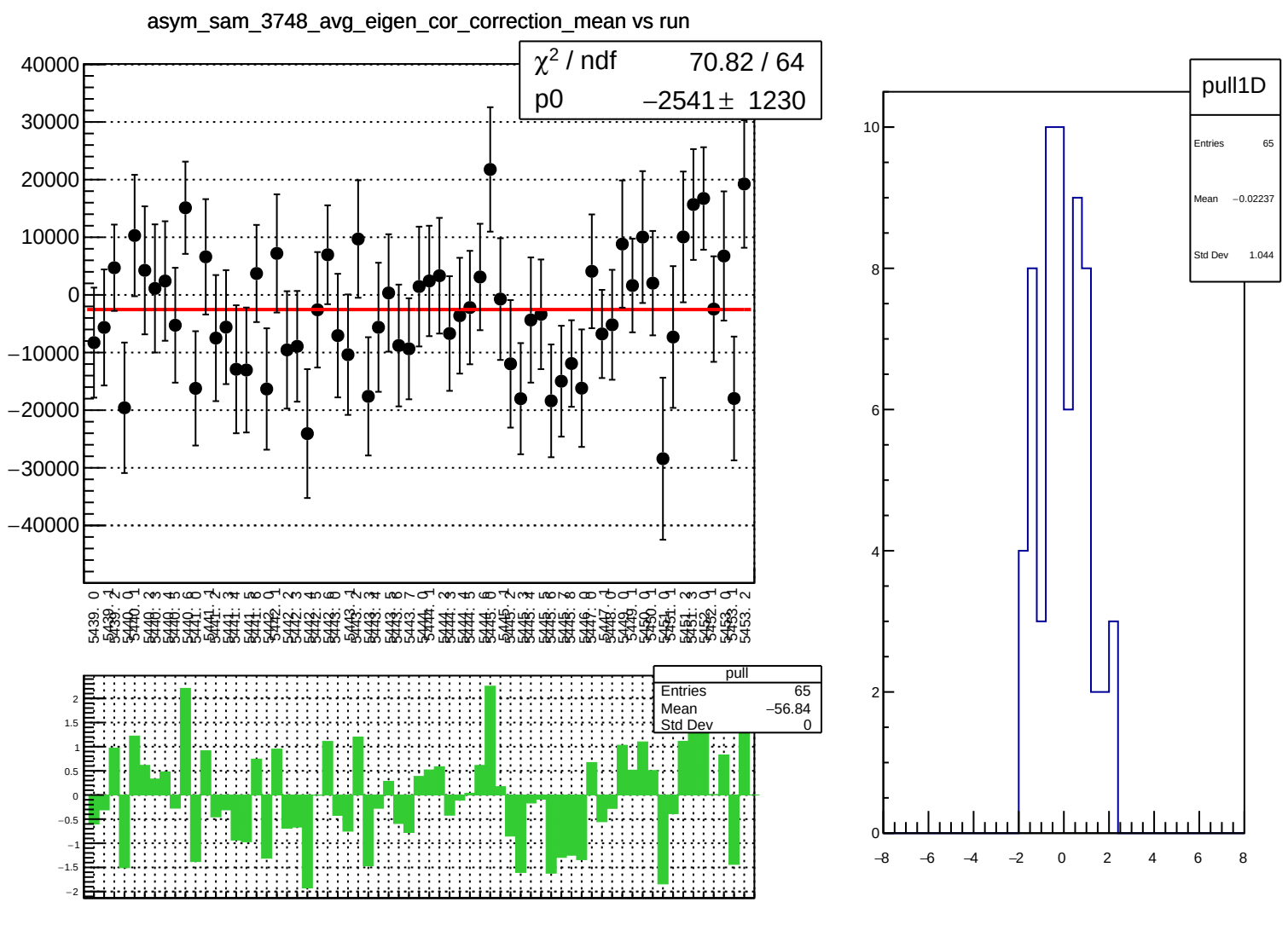

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 70.82 / 64
p0 −2541 ± 1230
pull
Entries 65
Mean −56.84
Std Dev 0

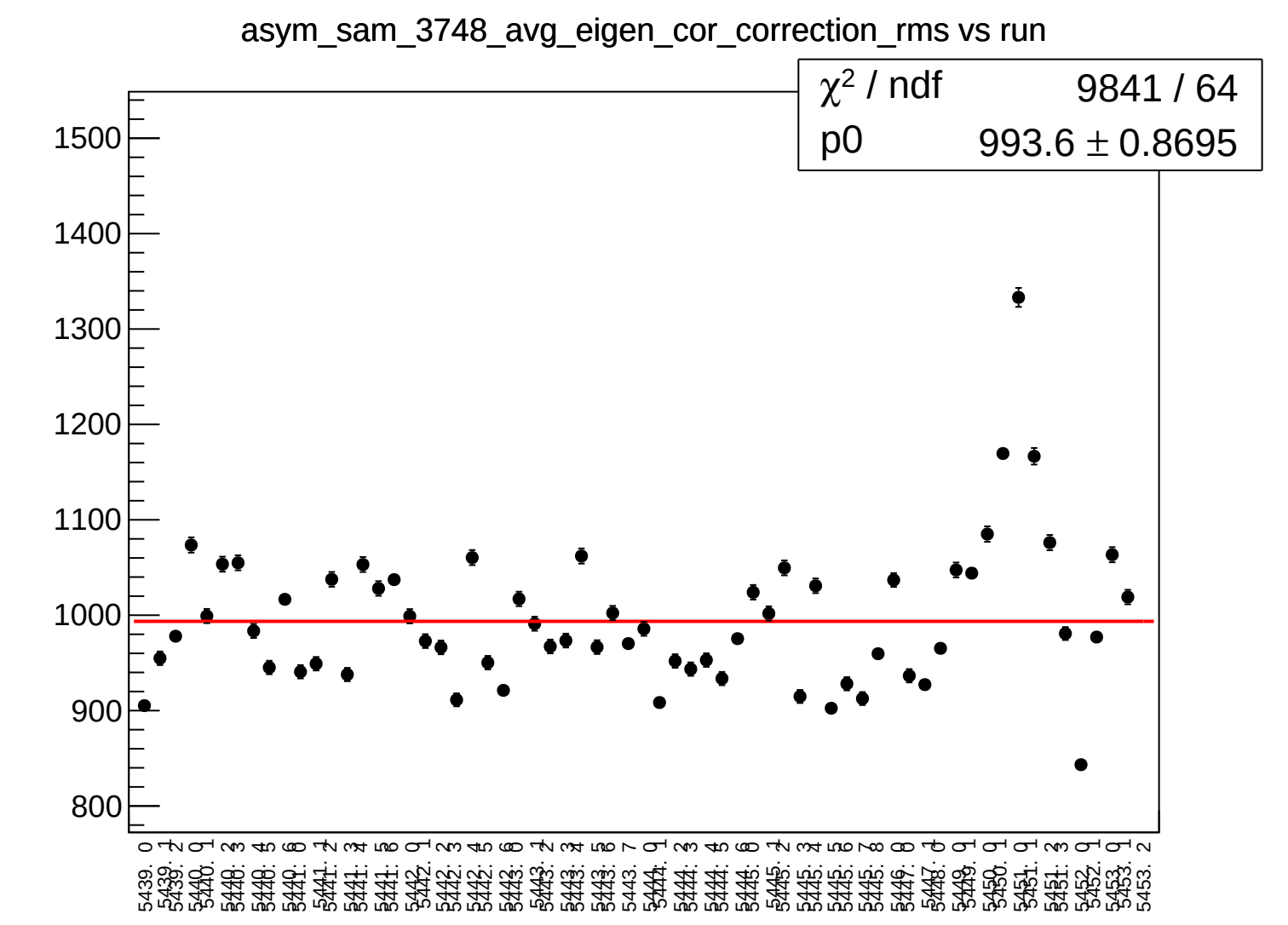

pull1D
Entries 65
Mean −0.02237
Std Dev 1.044

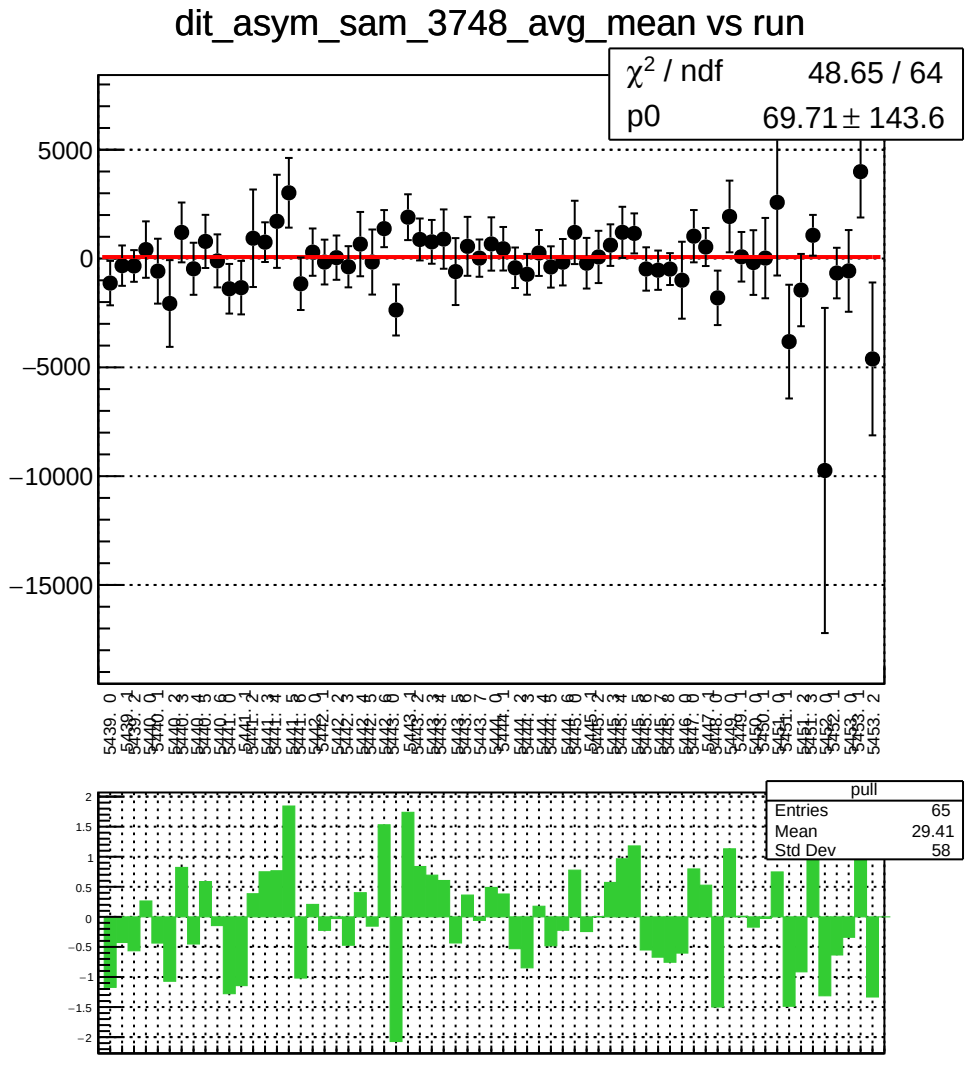

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 9841 / 64
p0 993.6 ± 0.8695
1500
1400
1300
1200
1100
1000
900
800

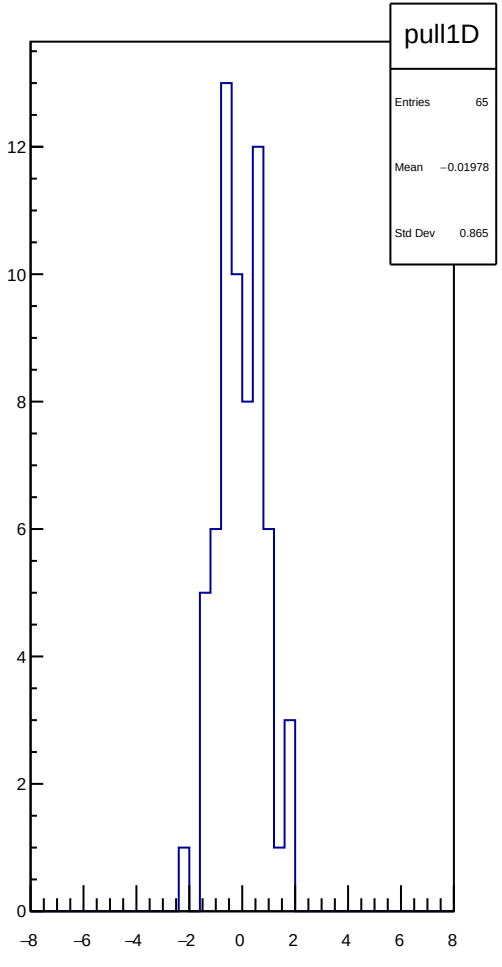

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 52.03 / 64
p0 103.8 ± 122.2
pull
Entries 65
Mean 49.25
Std Dev 39.3
pull1D
Entries 65
Mean −0.02829
Std Dev 0.8942

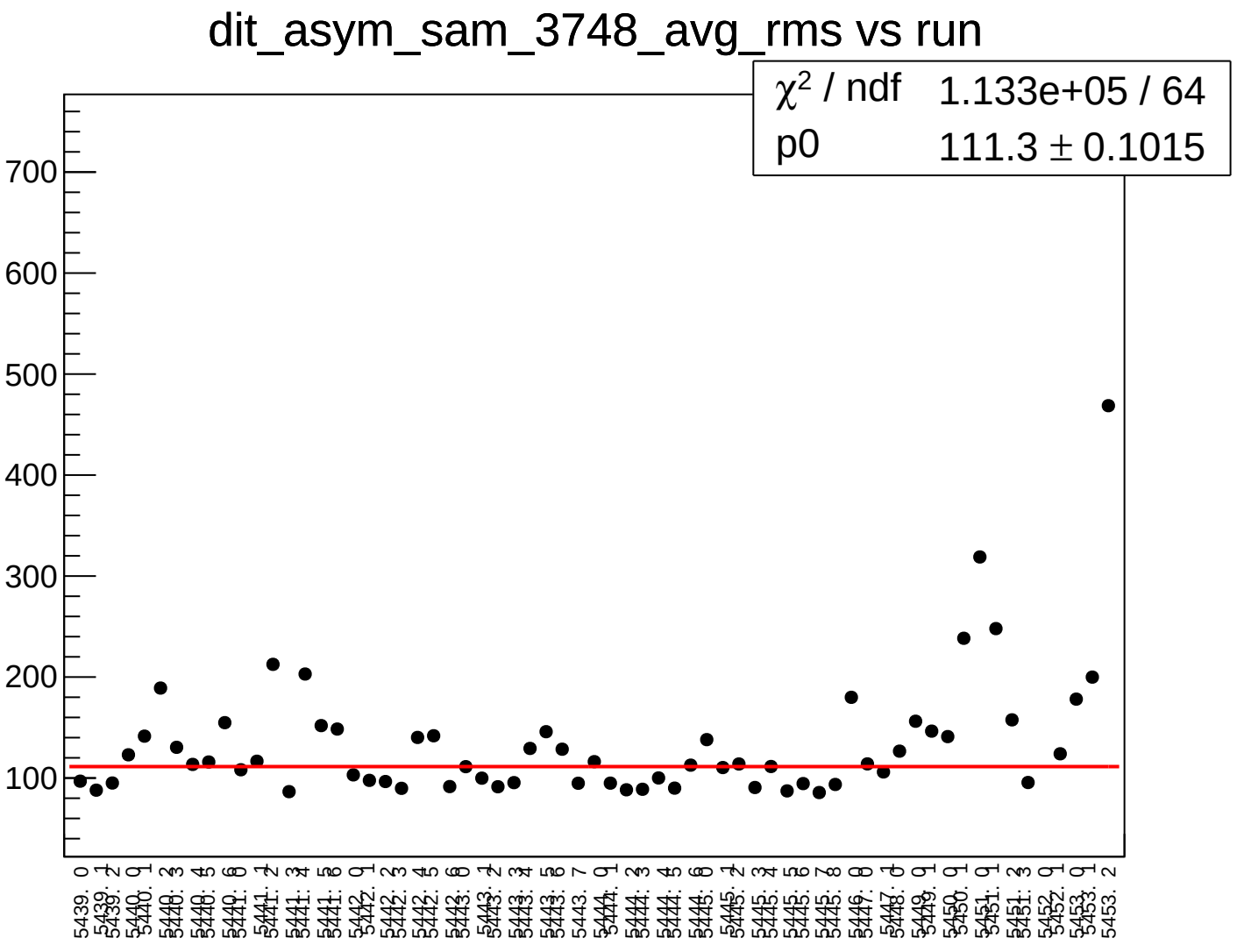

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 5.449e+04 / 64
p0 97.04 ± 0.08642
700
600
500
400
300
200
100

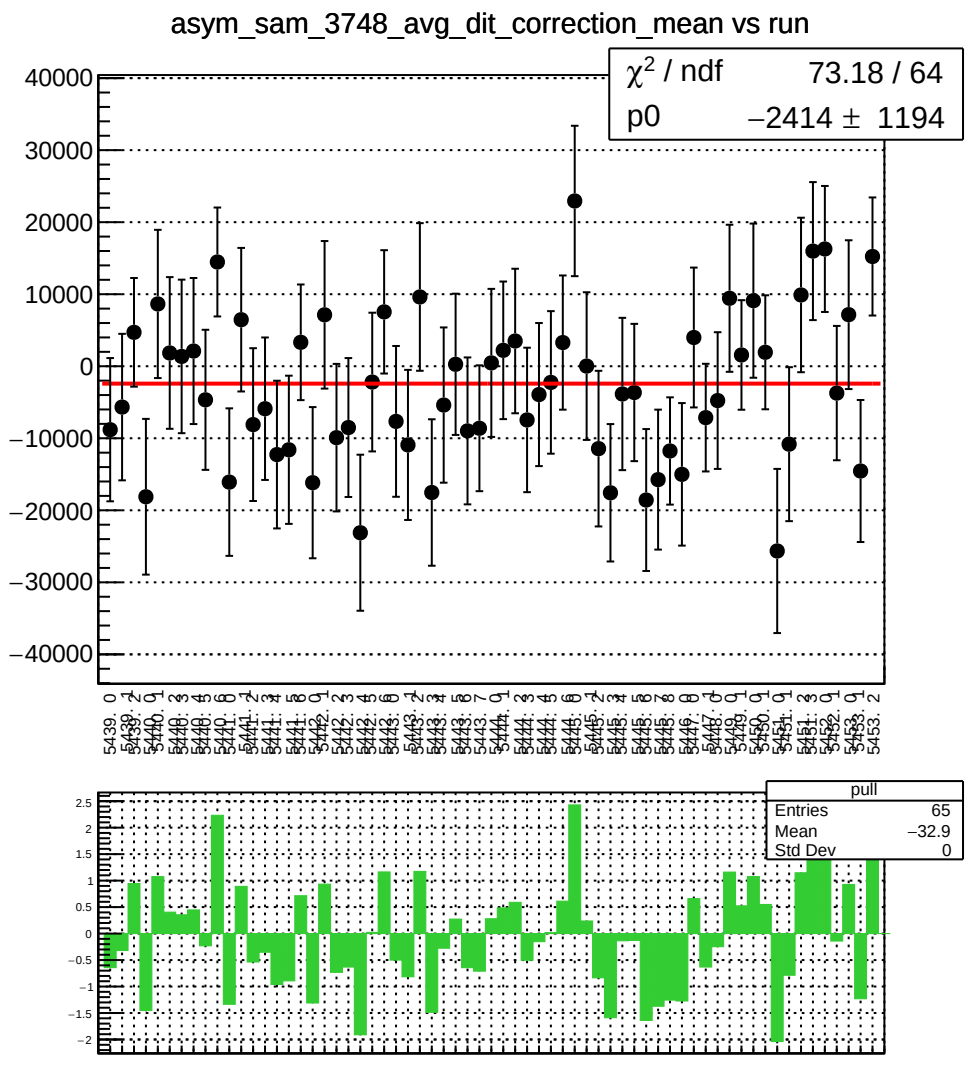

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.82 / 64
p0 −2541 ± 1230
pull
Entries 65
Mean −56.84
Std Dev 0
pull1D
Entries 65
Mean −0.02237
Std Dev 1.044

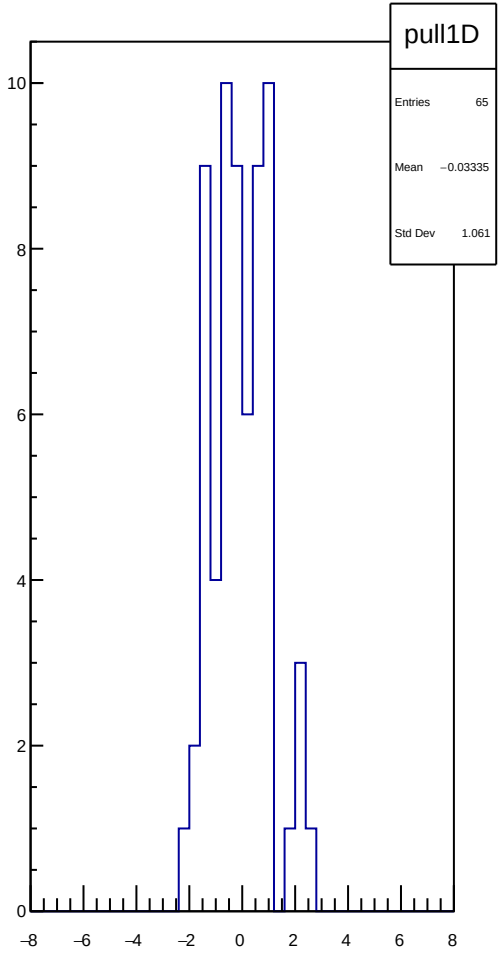

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 9841 / 64
p0 993.6 ± 0.8695
1500
1400
1300
1200
1100
1000
900
800

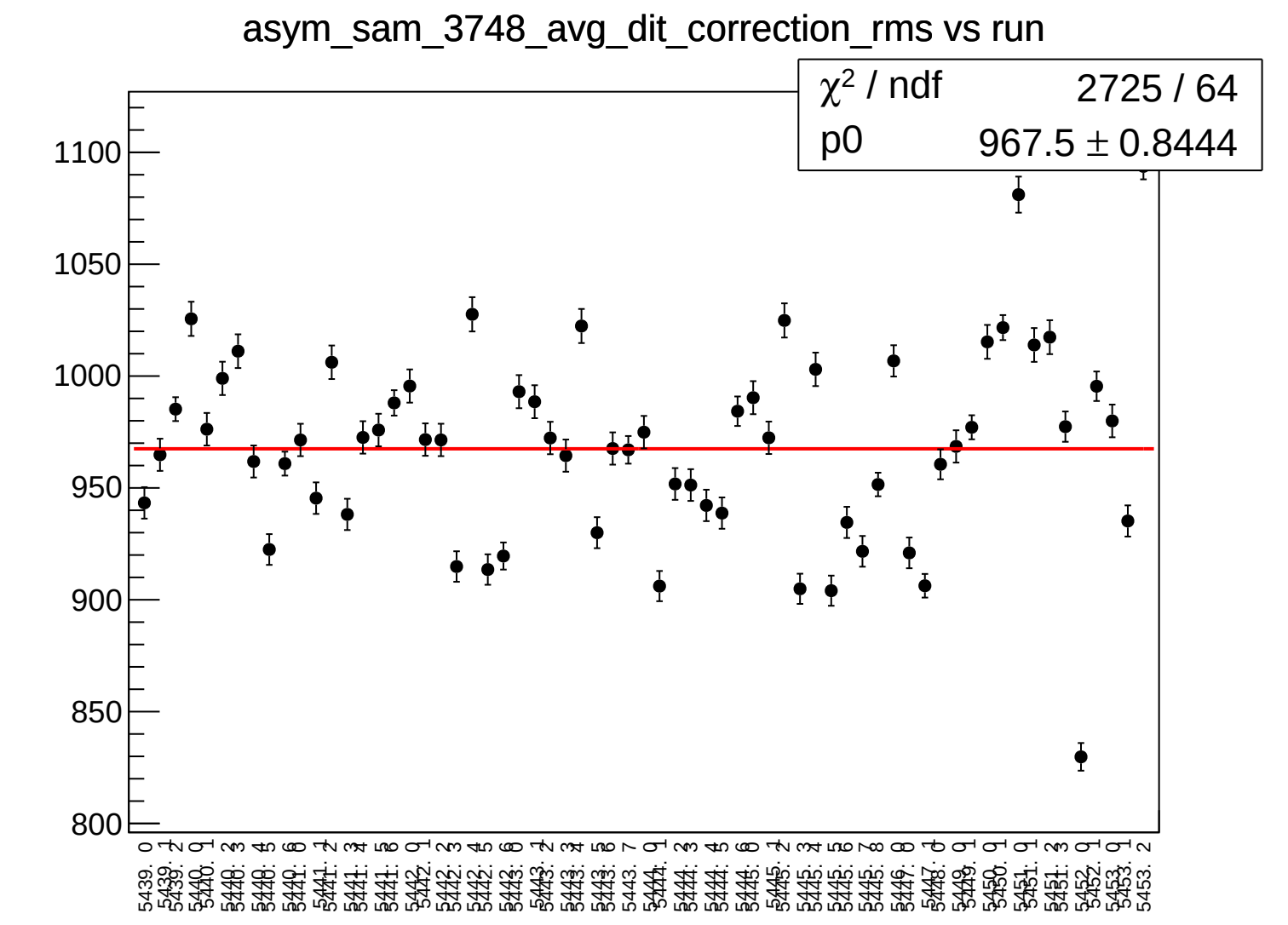

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 48.65 / 64
p0 69.71 ± 143.6
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 29.41
Std Dev 58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

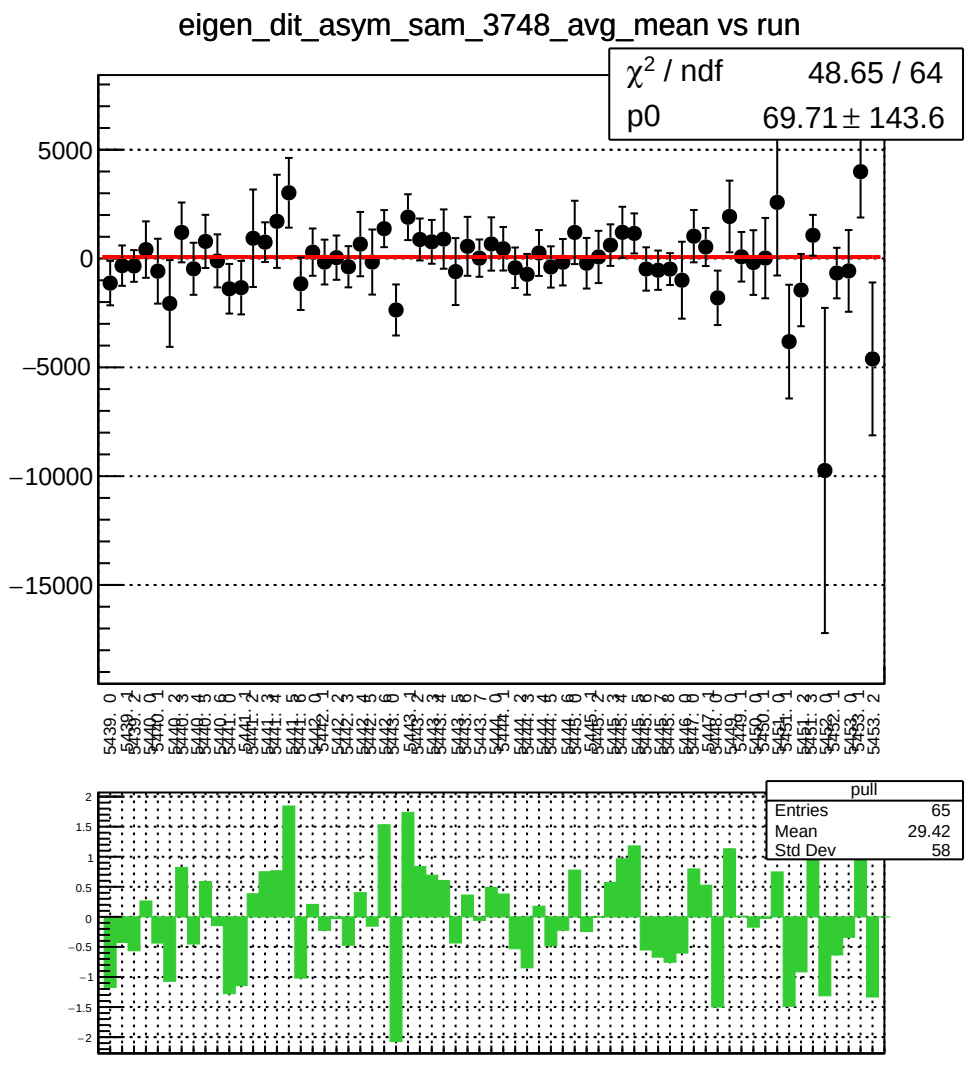

pull1D
Entries 65
Mean −0.01978
Std Dev 0.865
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

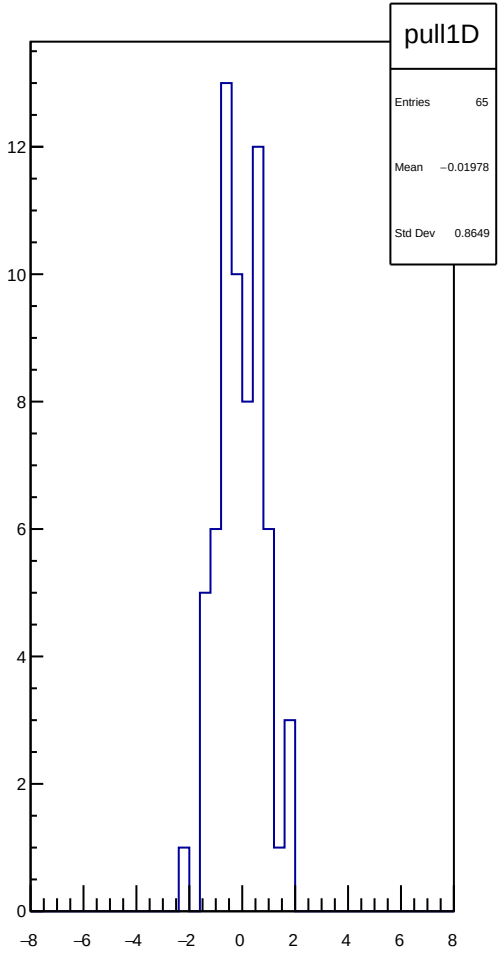

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.133e+05 / 64
p0 111.3 ± 0.1015
700
600
500
400
300
200
100

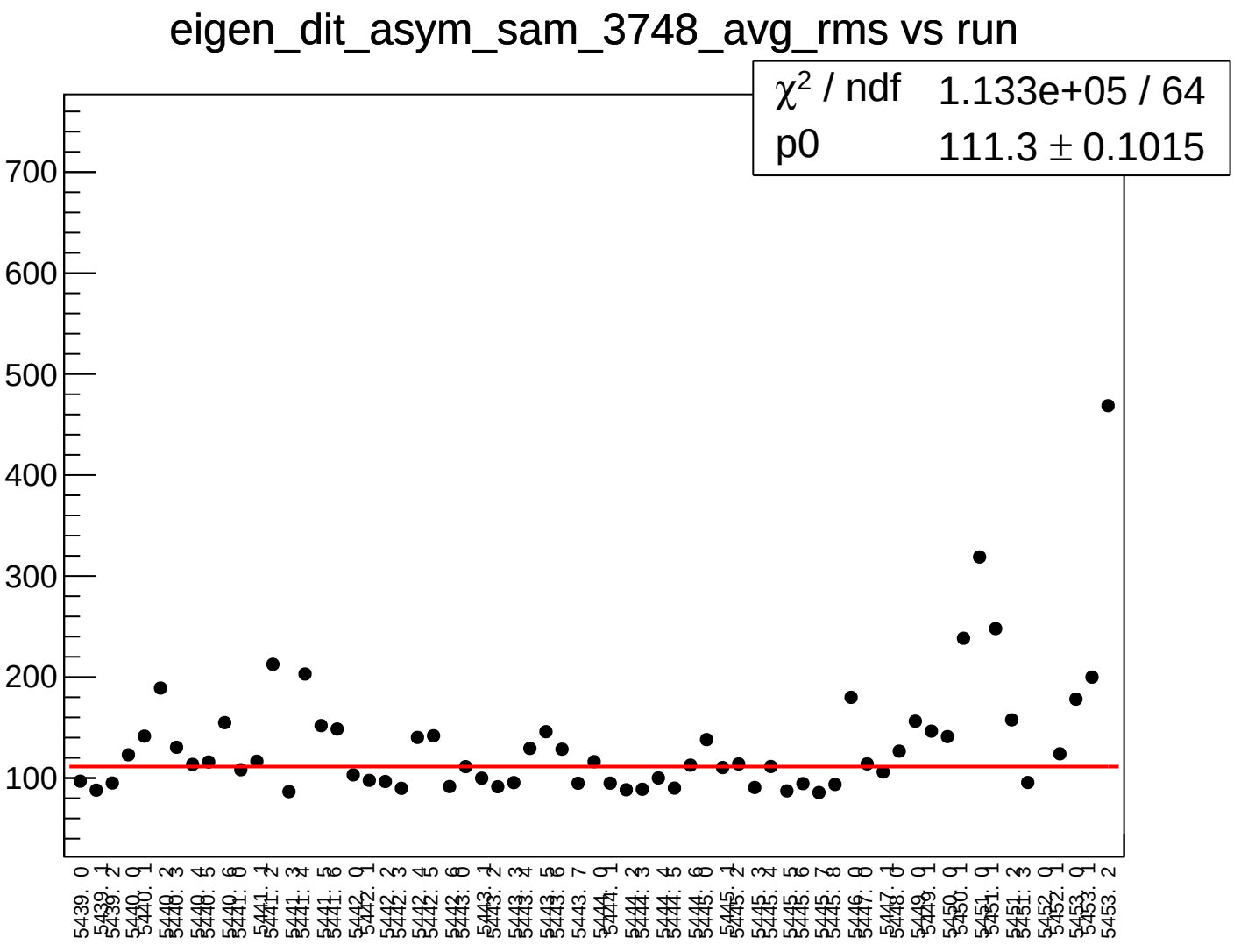

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 73.18 / 64
p0 −2414 ± 1194
pull
Entries 65
Mean −32.9
Std Dev 0

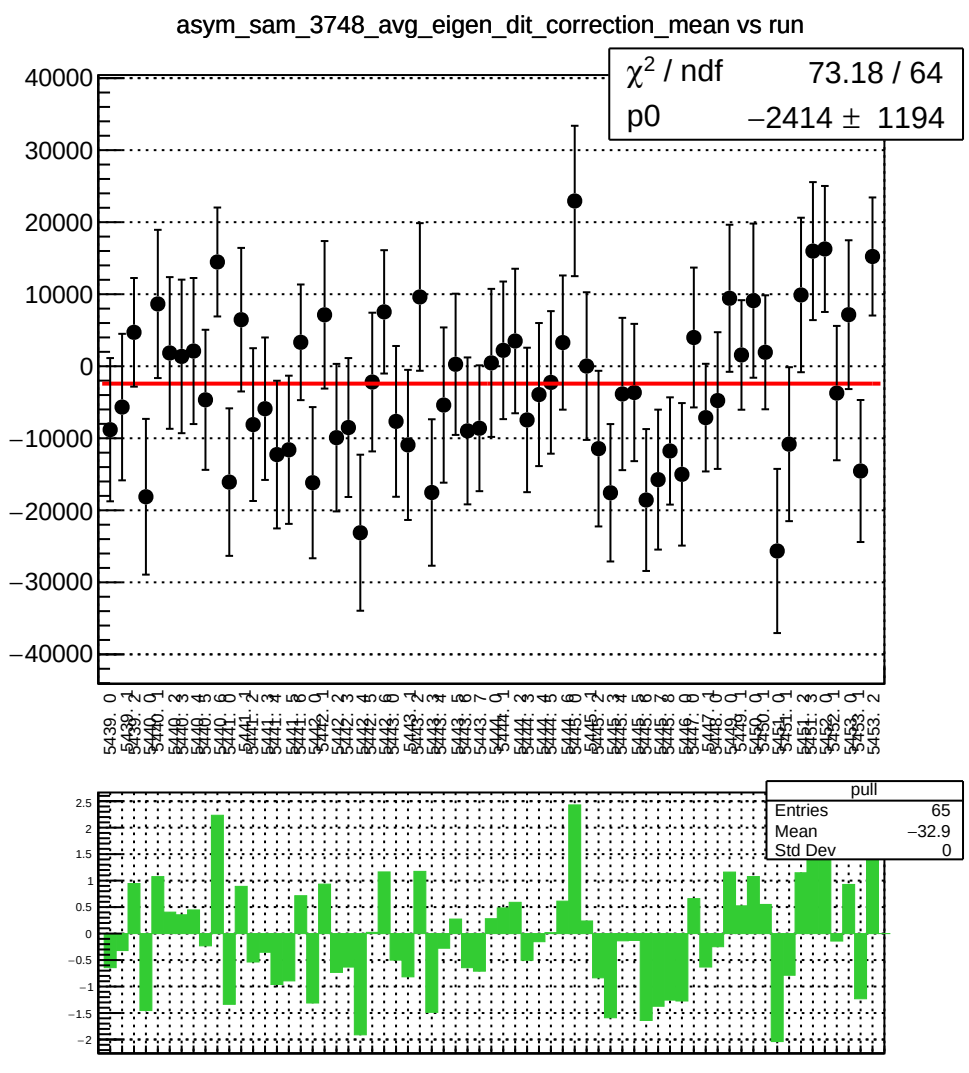

pull1D
Entries 65
Mean −0.03335
Std Dev 1.061

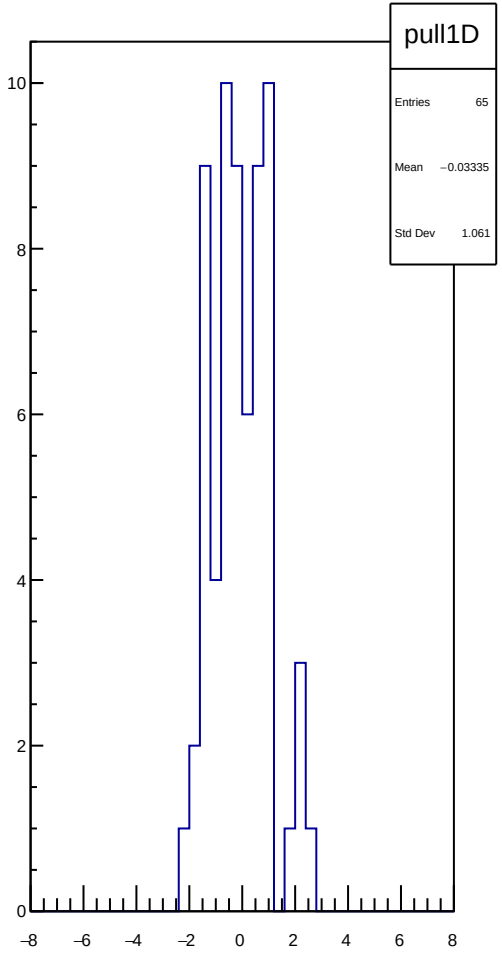

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 2725 / 64
p0 967.5 ± 0.8444
1100
1050
1000
950
900
850
800

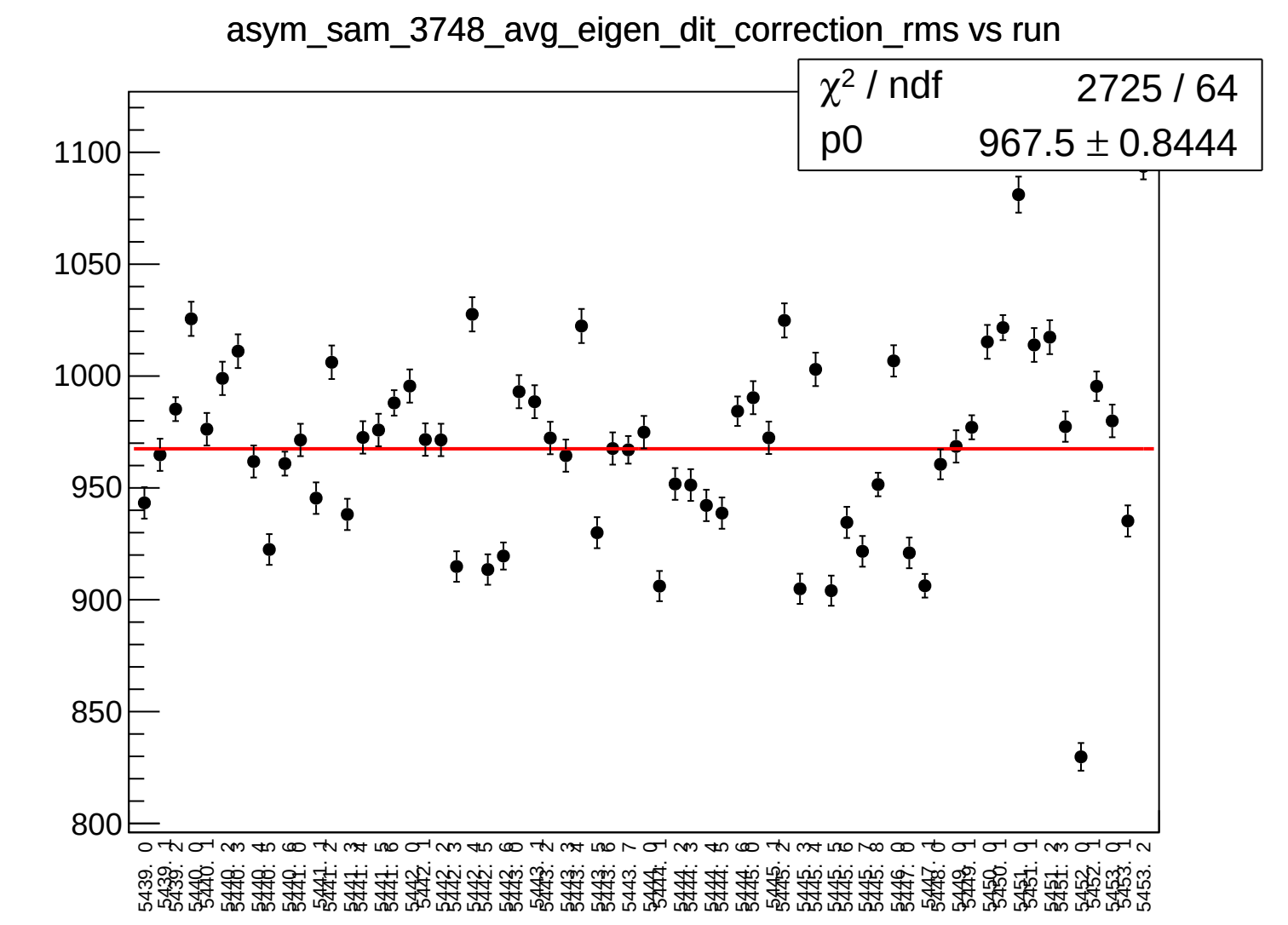

eigen_dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 48.65 / 64
p0 69.71 ± 143.6
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 29.42
Std Dev 58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

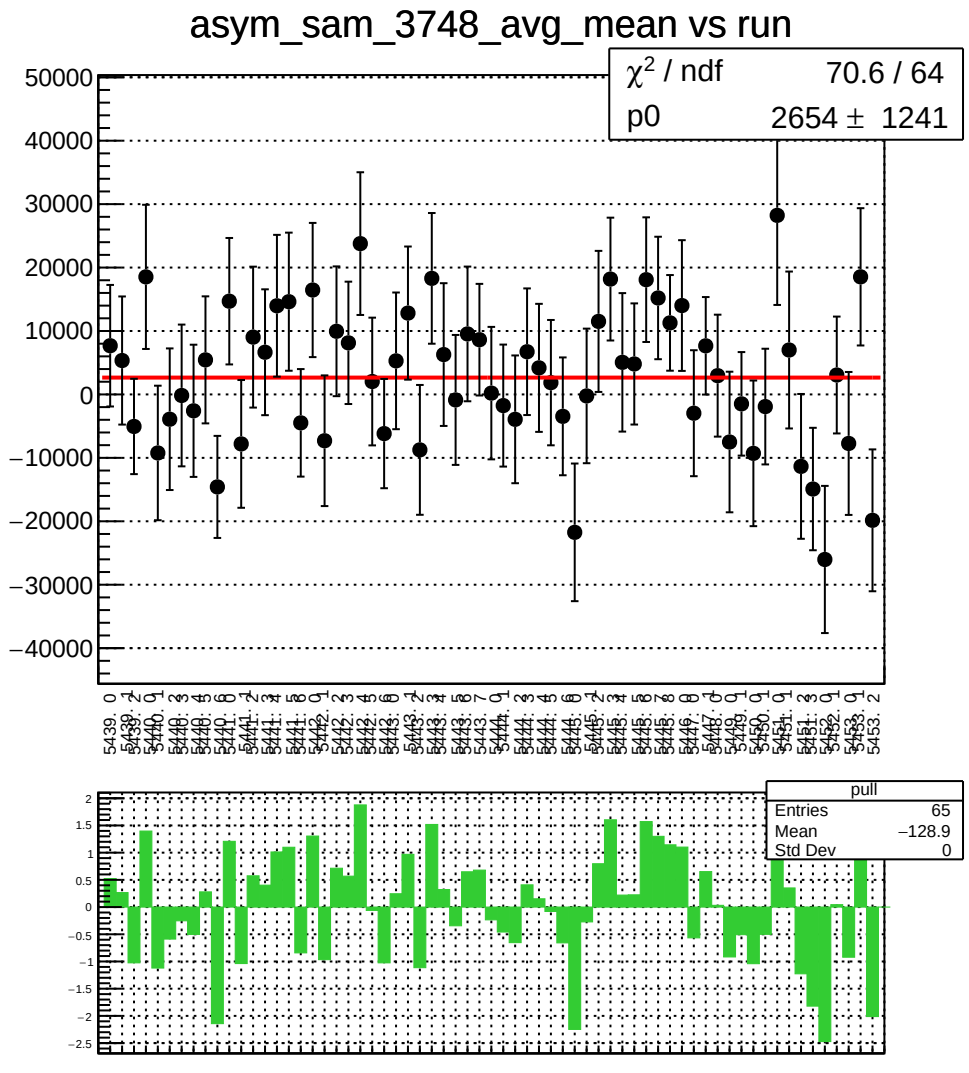

pull1D
Entries 65
Mean −0.01978
Std Dev 0.8649
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

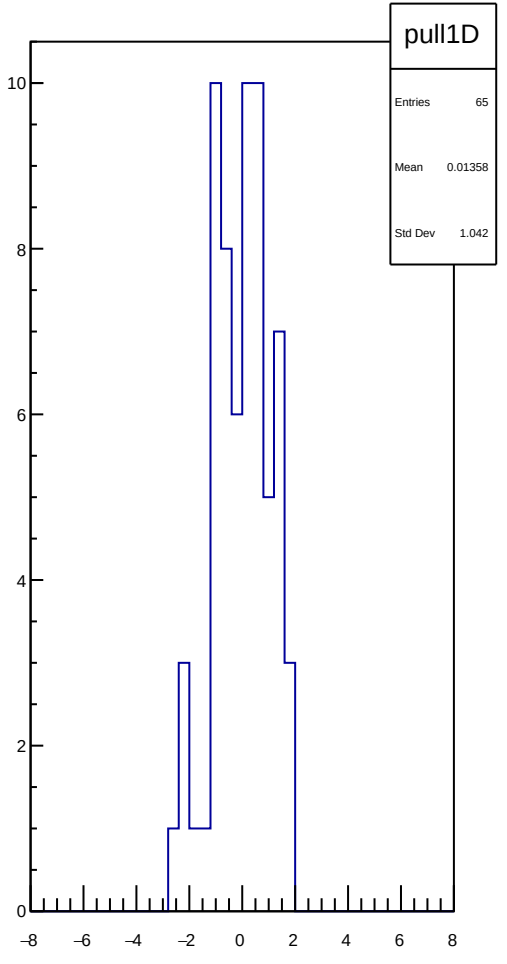

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.133e+05 / 64
p0 111.3 ± 0.1015
700
600
500
400
300
200
100

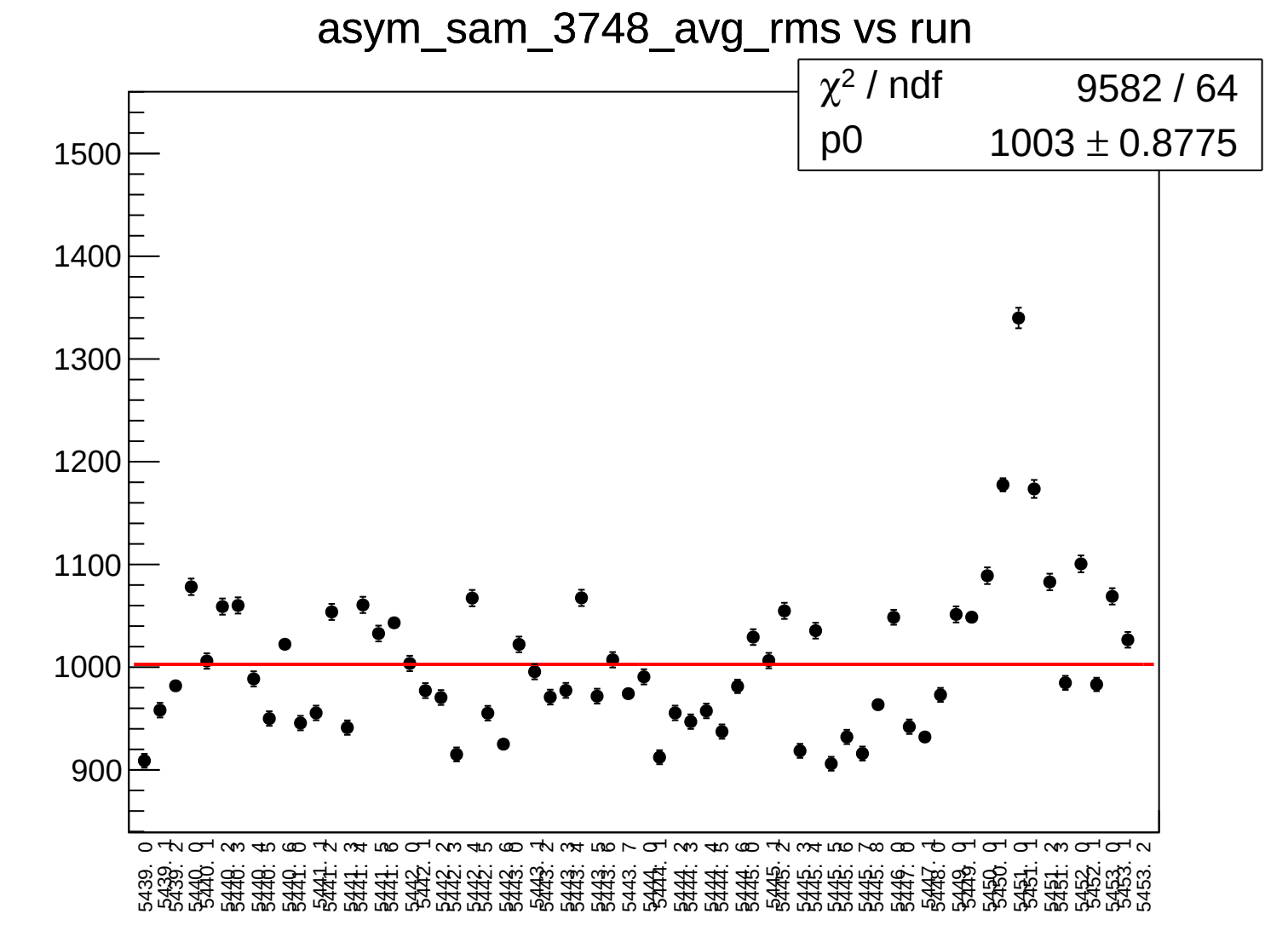

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.18 / 64
p0 −2414 ± 1194
pull
Entries 65
Mean −32.9
Std Dev 0

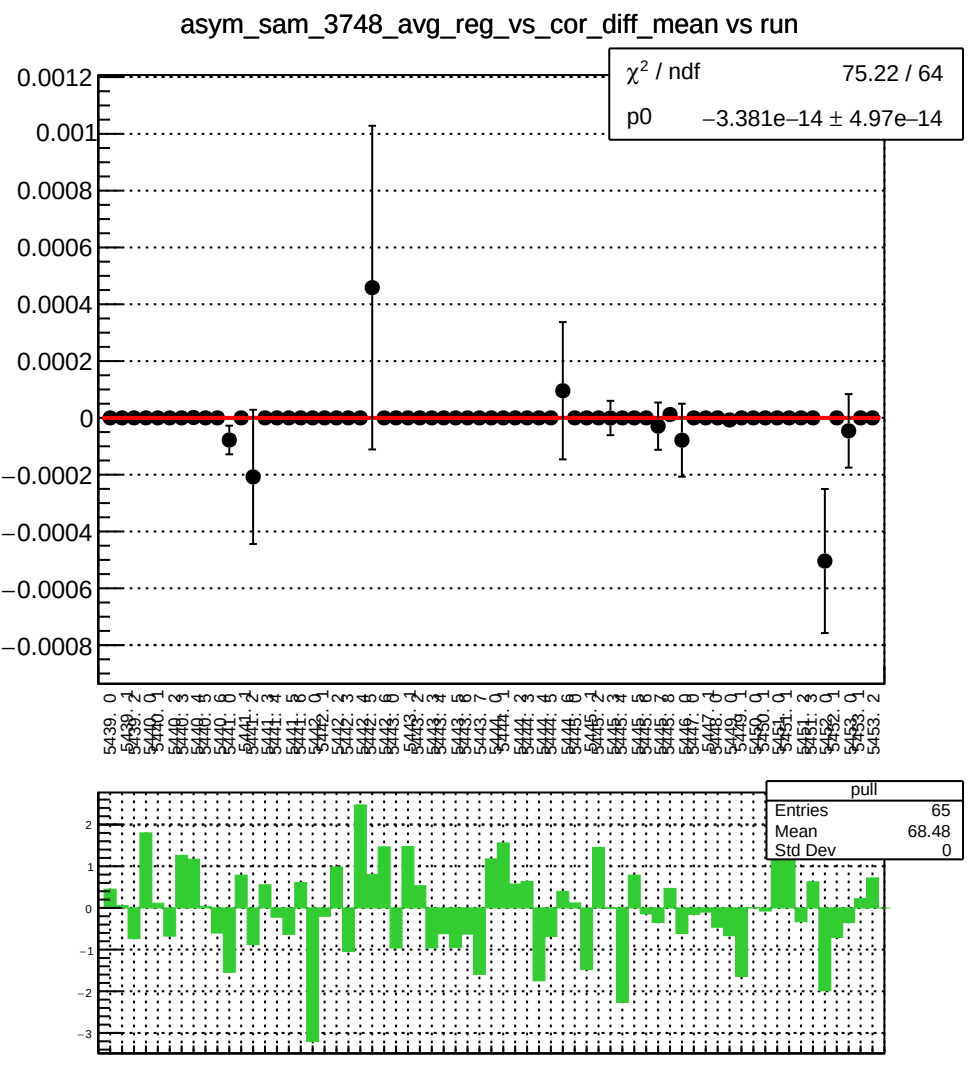

pull1D
Entries 65
Mean −0.03335
Std Dev 1.061

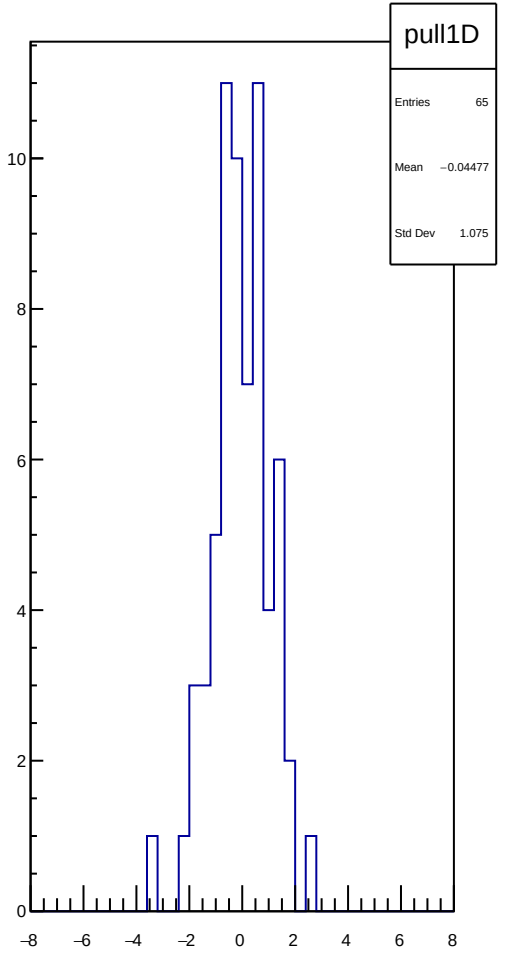

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 2725 / 64
p0 967.5 ± 0.8444
1100
1050
1000
950
900
850
800

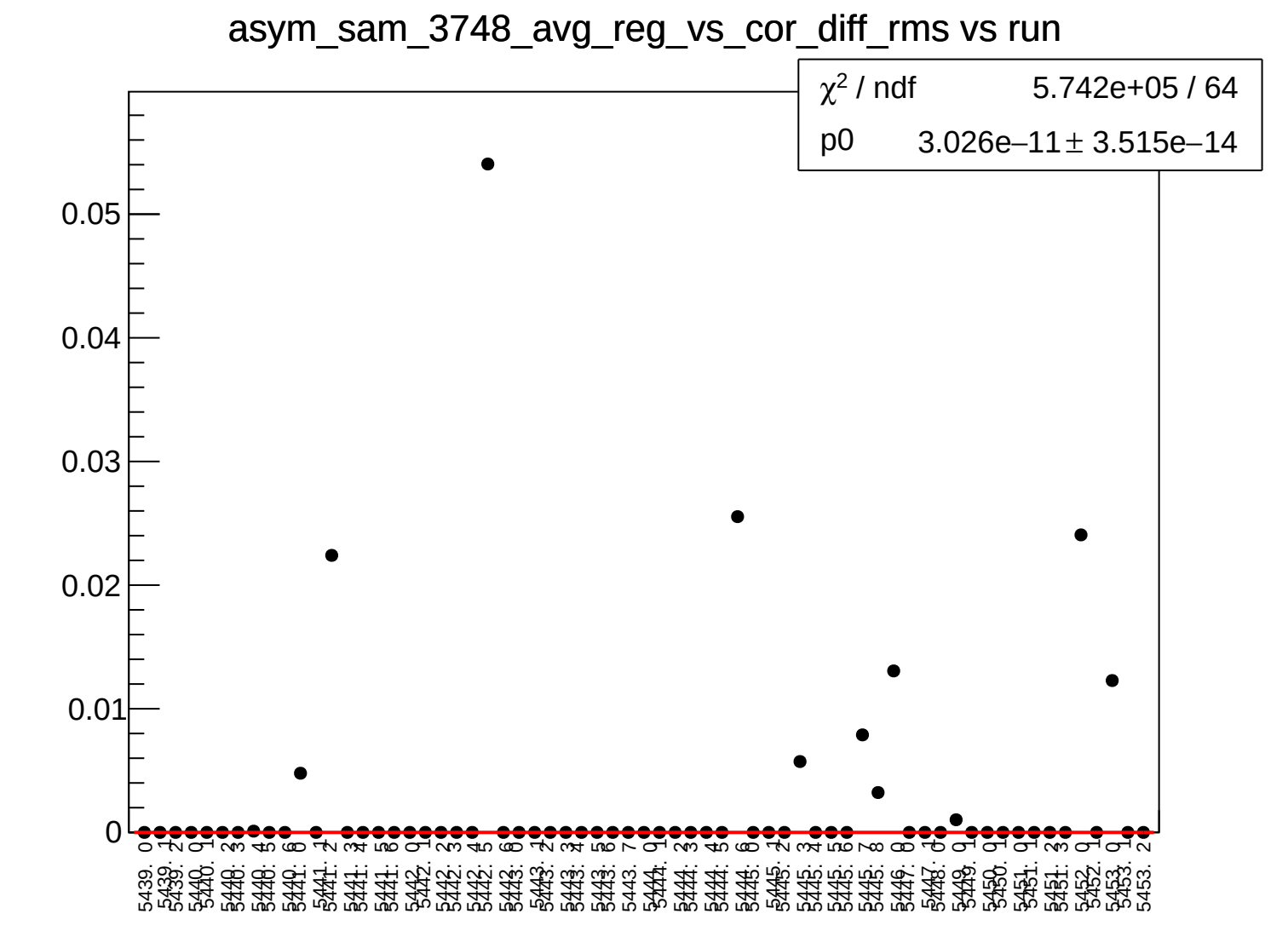

asym_sam_3748_avg_mean vs run
χ² / ndf 70.6 / 64
p0 2654 ± 1241
pull
Entries 65
Mean −128.9
Std Dev 0

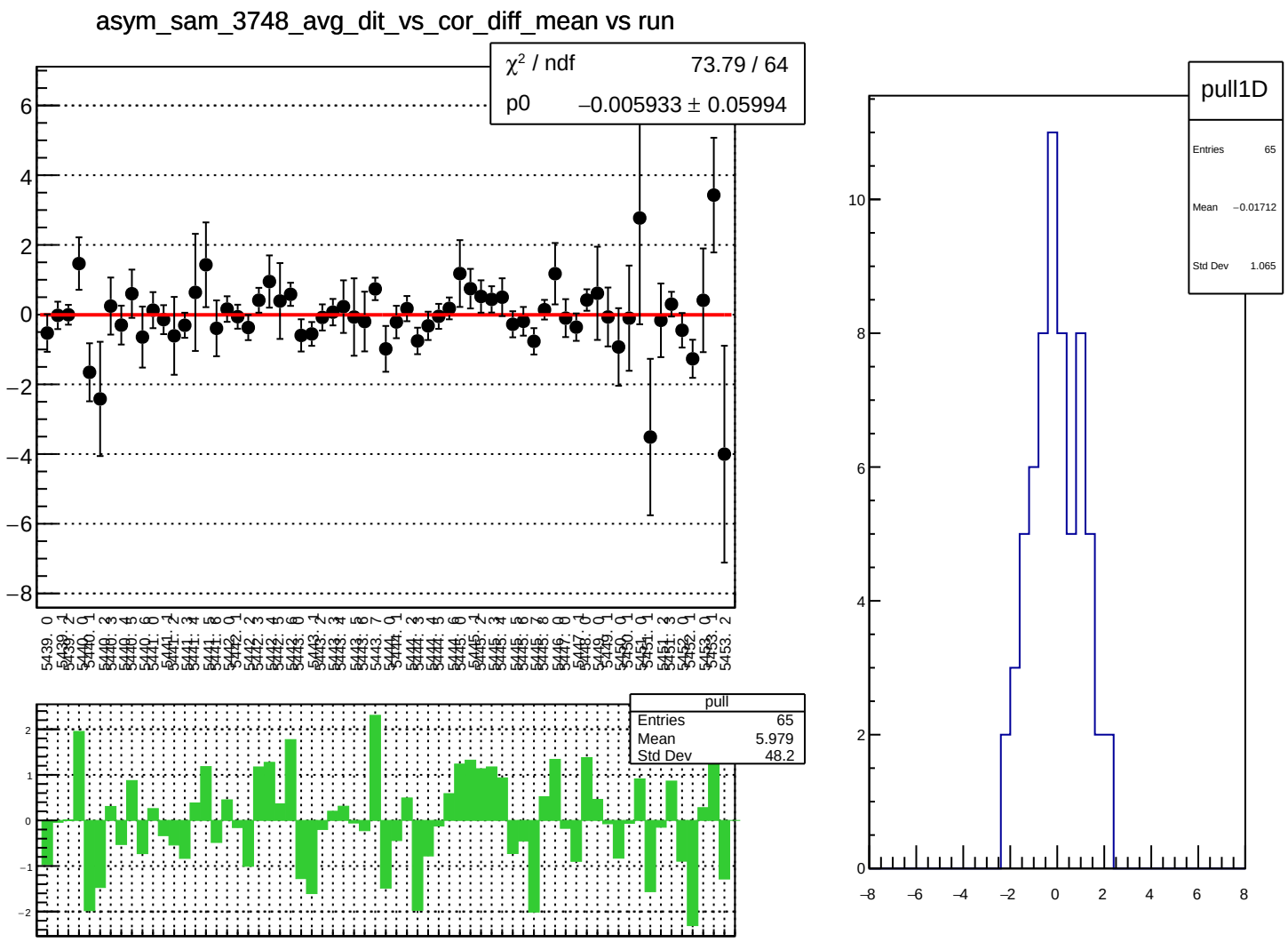

pull1D
Entries 65
Mean 0.01358
Std Dev 1.042

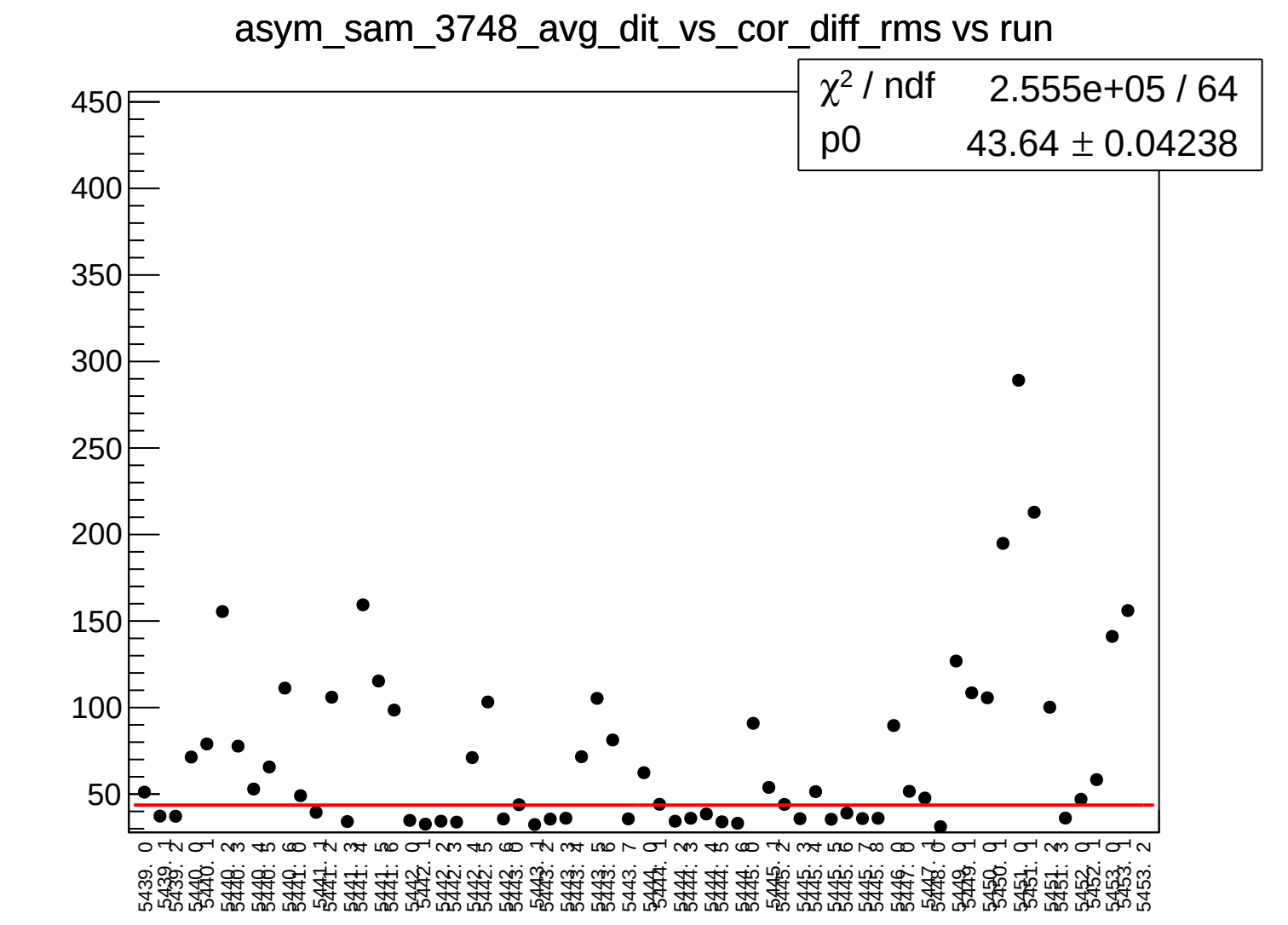

asym_sam_3748_avg_rms vs run
χ^2 / ndf 9582 / 64
p0 1003 ± 0.8775
1500
1400
1300
1200
1100
1000
900

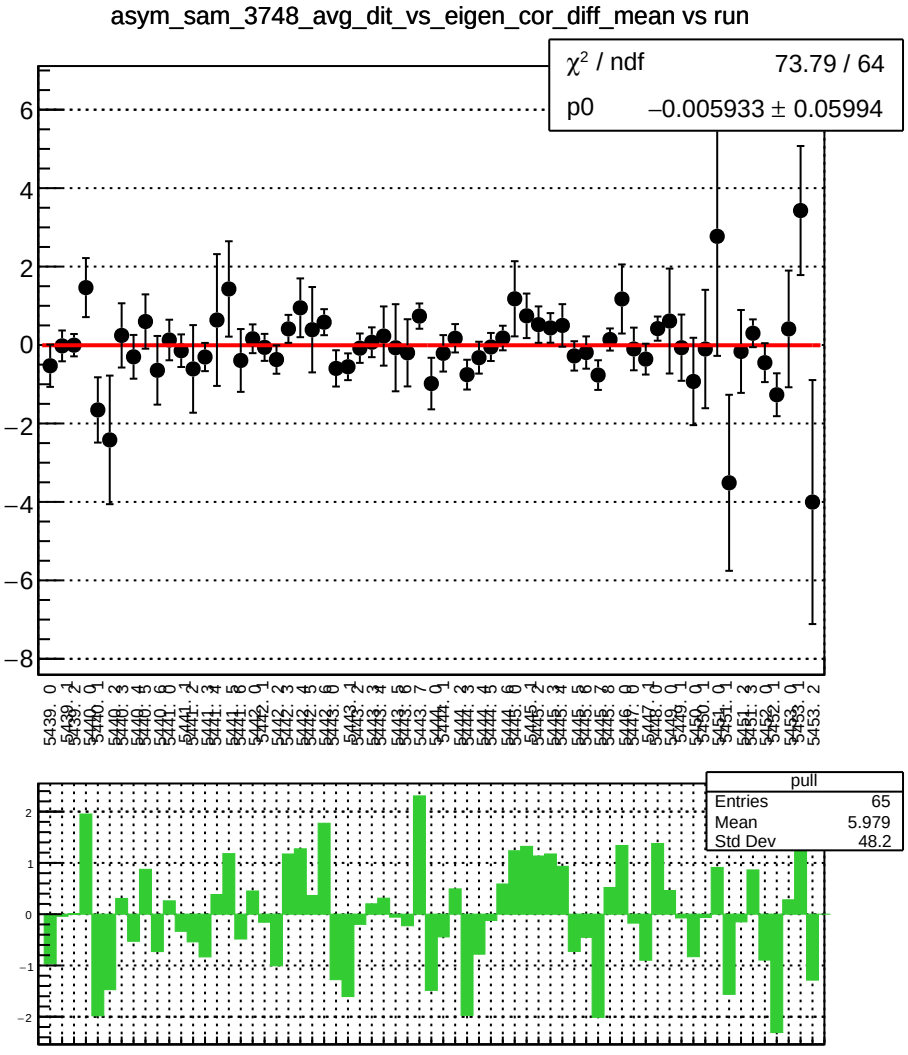

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 75.22 / 64
p0 −3.381e−14 ± 4.97e−14
pull
Entries 65
Mean 68.48
Std Dev 0

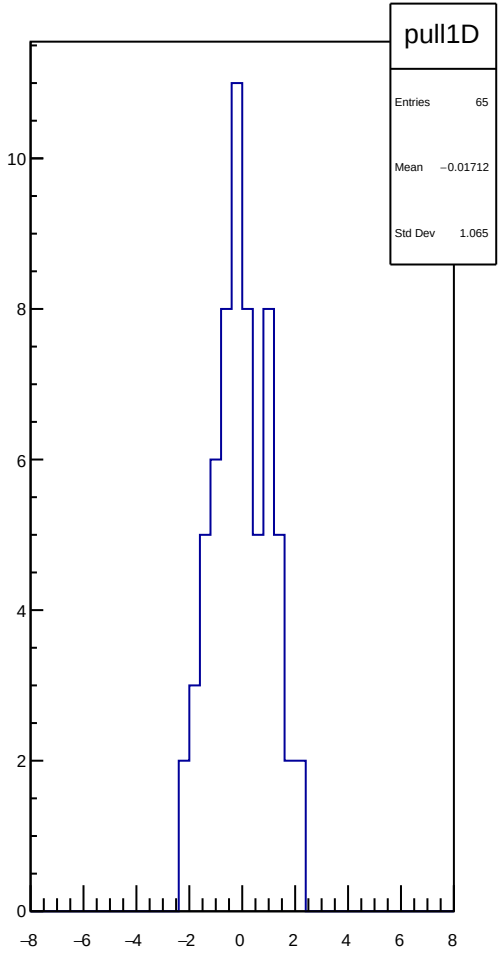

pull1D
Entries 65
Mean −0.04477
Std Dev 1.075

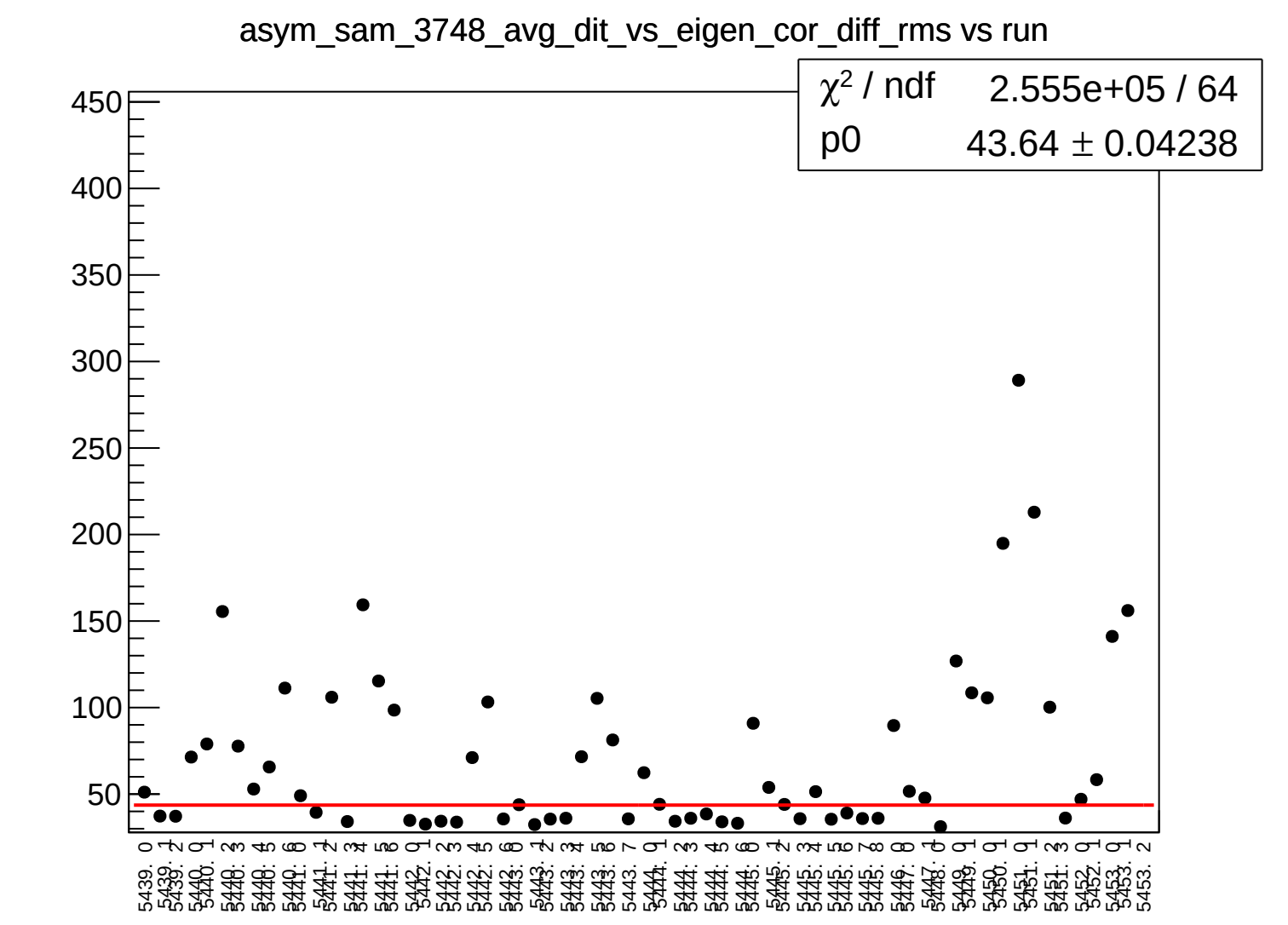

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.742e+05 / 64
p0 3.026e−11 ± 3.515e−14
0.05
0.04
0.03
0.02
0.01
0

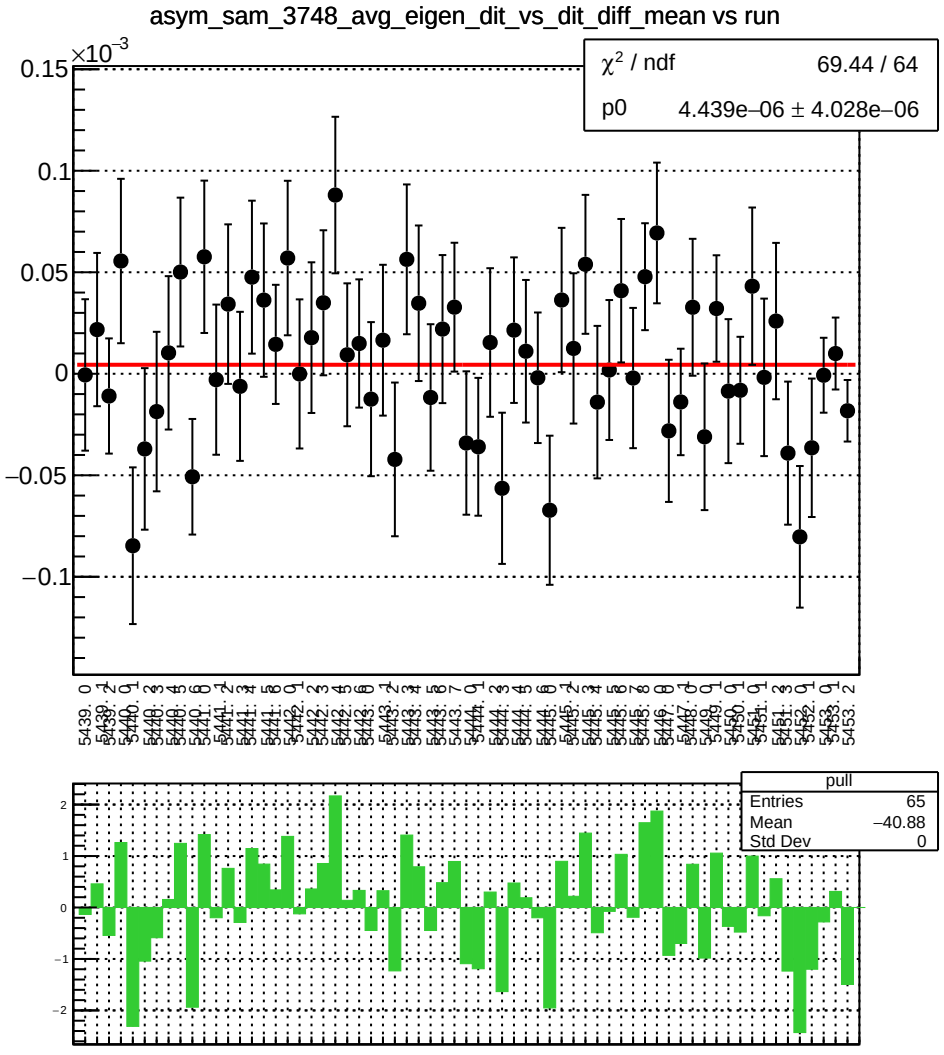

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.79 / 64
p0 −0.005933 ± 0.05994
pull
Entries 65
Mean 5.979
Std Dev 48.2
pull1D
Entries 65
Mean −0.01712
Std Dev 1.065

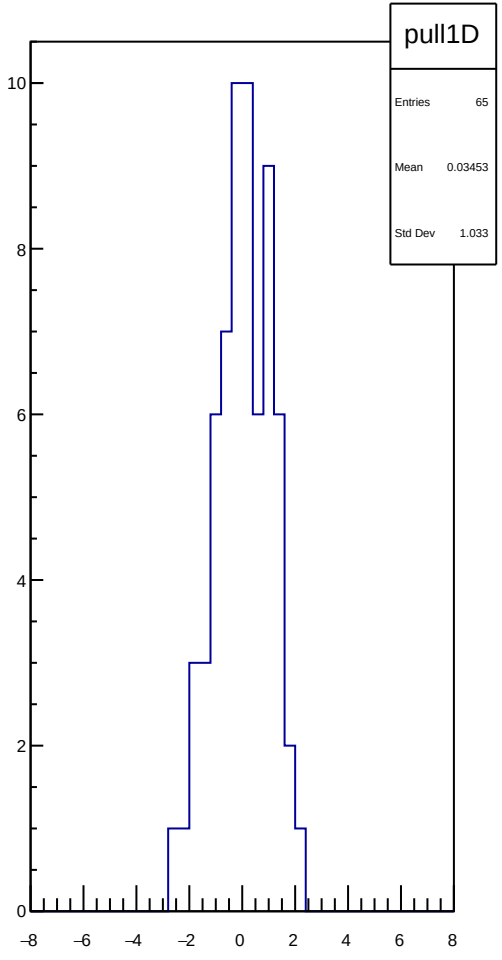

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.555e+05 / 64
p0 43.64 ± 0.04238
450
400
350
300
250
200
150
100
50

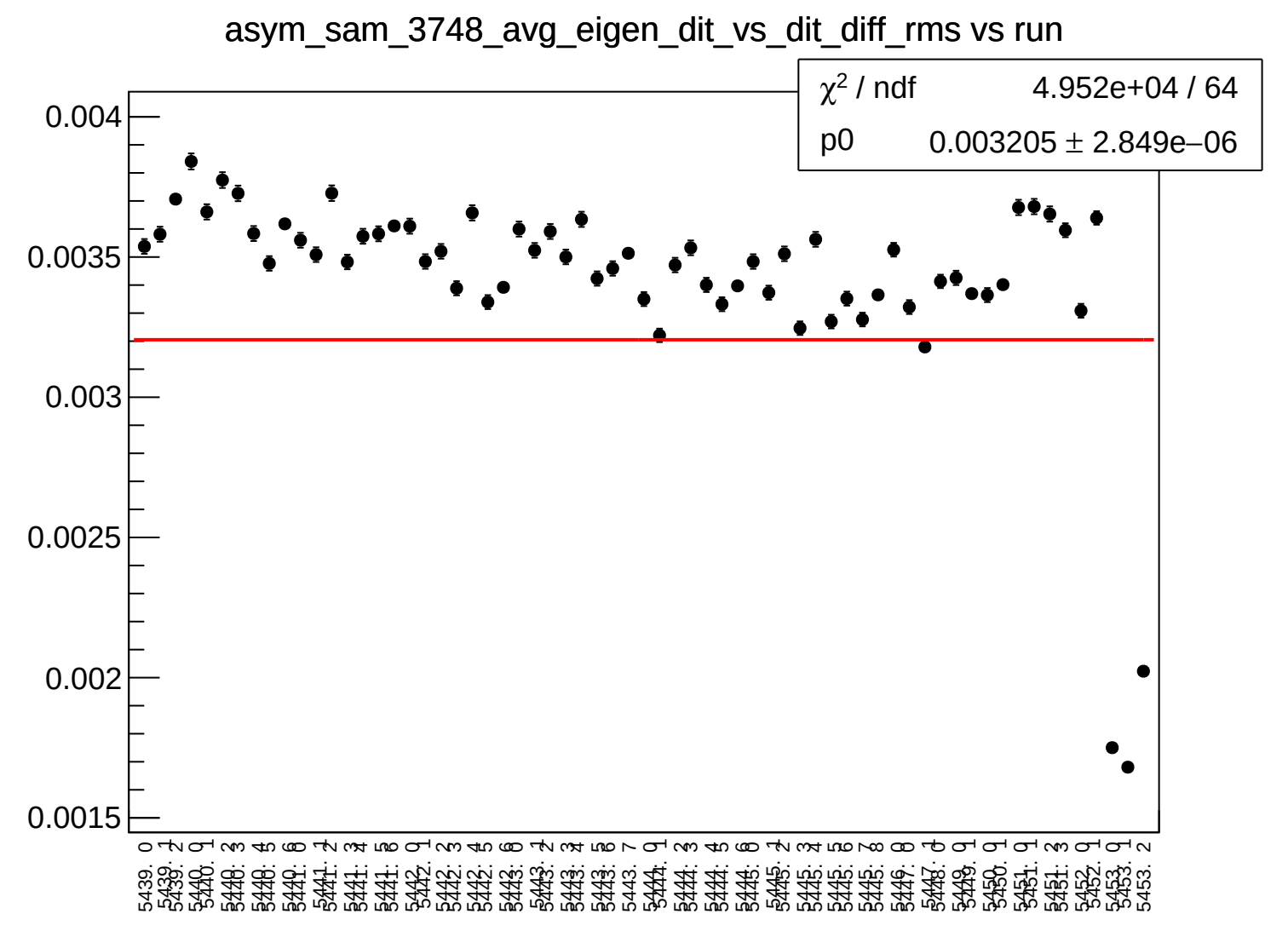

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.79 / 64
p0 −0.005933 ± 0.05994
pull
Entries 65
Mean 5.979
Std Dev 48.2

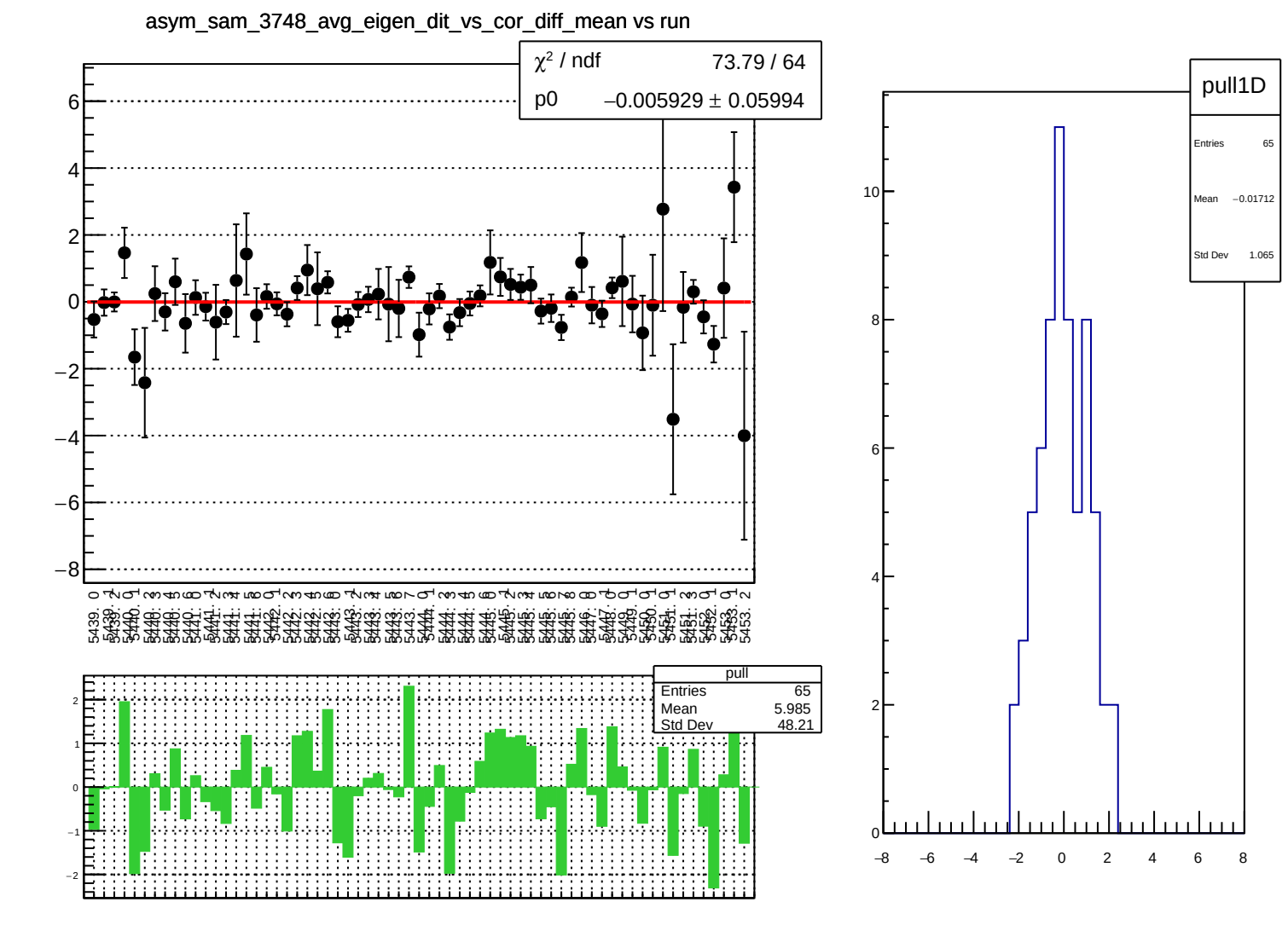

pull1D
Entries 65
Mean −0.01712
Std Dev 1.065

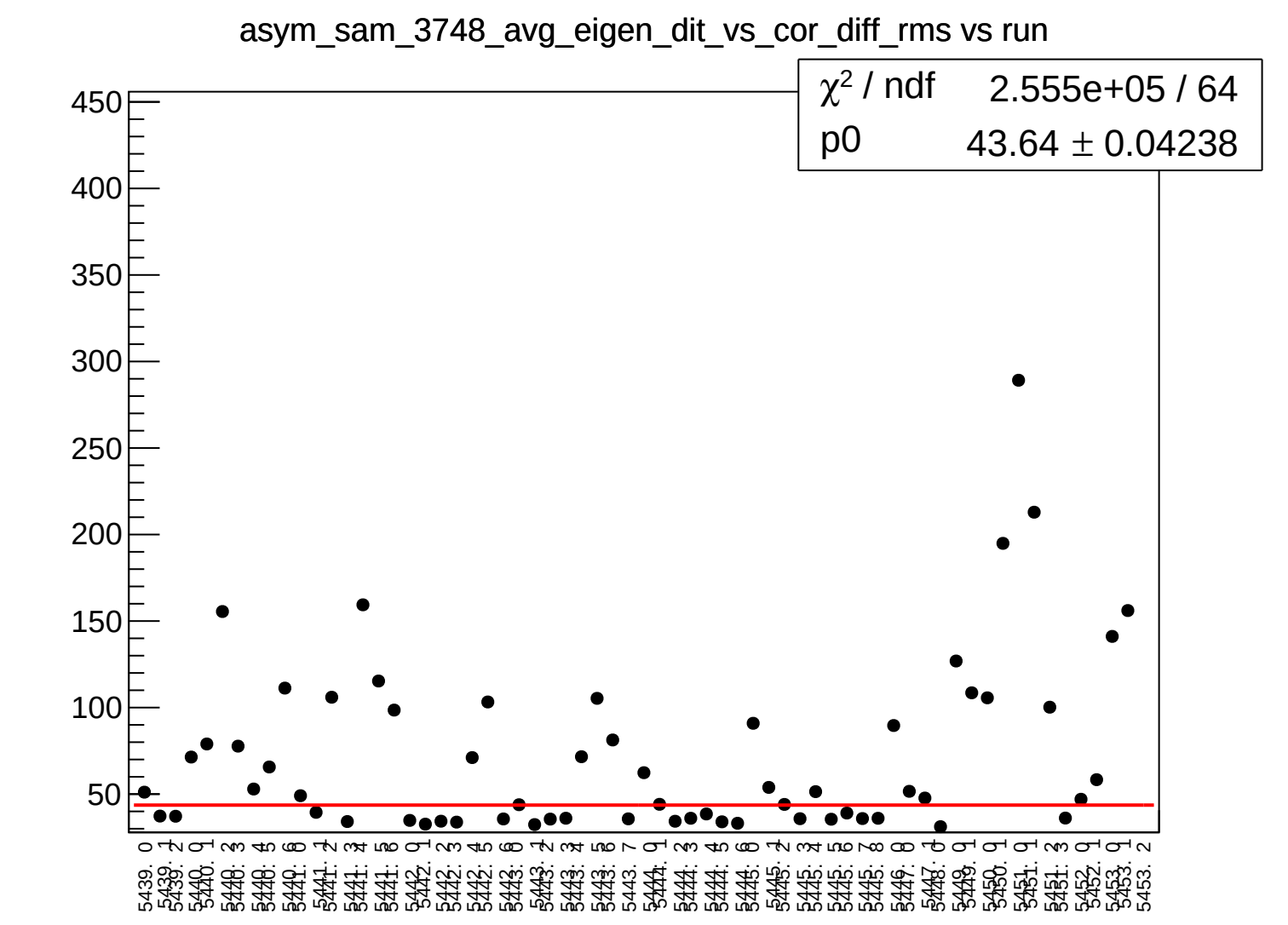

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.555e+05 / 64
p0 43.64 ± 0.04238
450
400
350
300
250
200
150
100
50

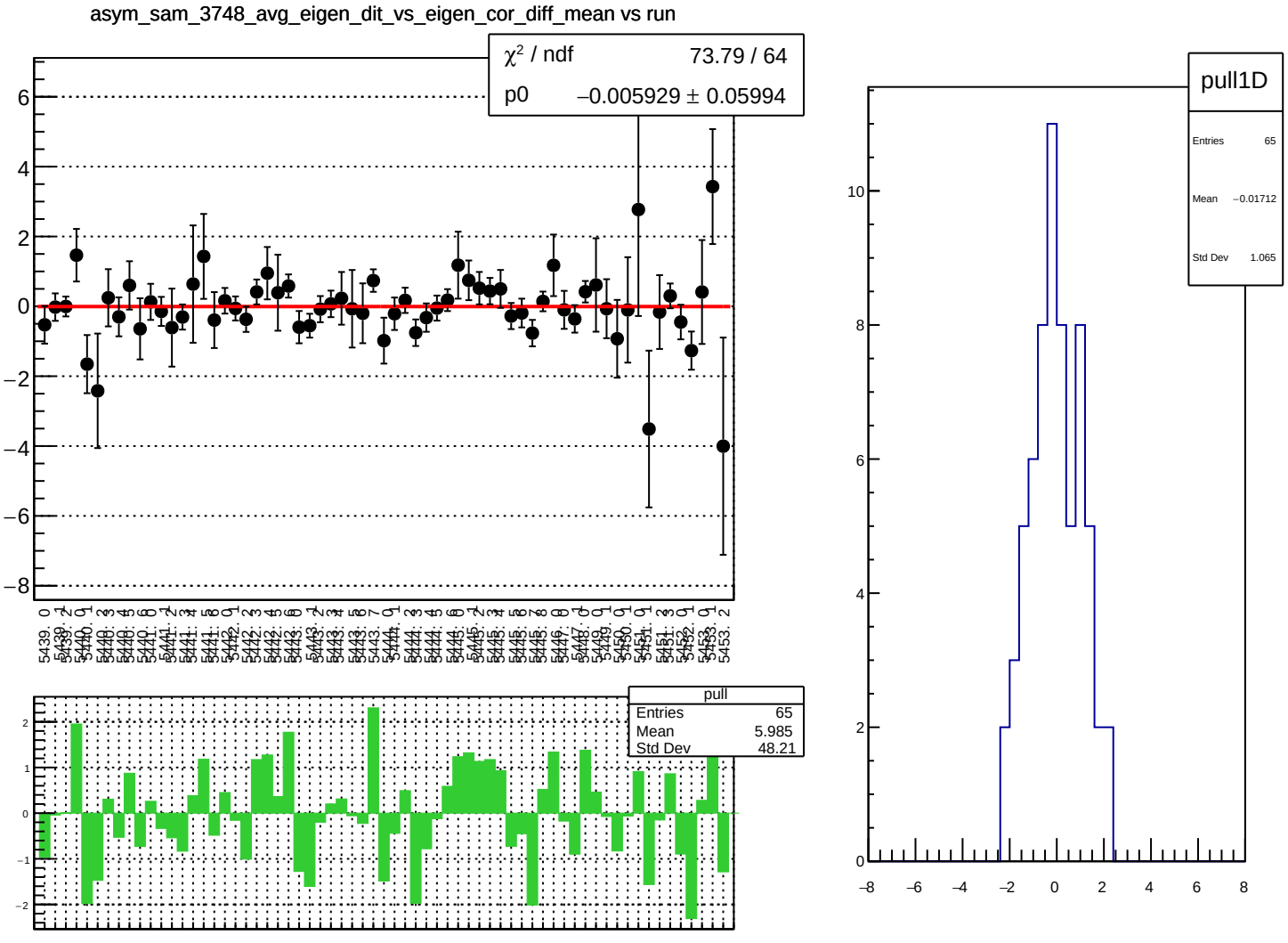

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.44 / 64
p0 4.439e−06 ± 4.028e−06
pull
Entries 65
Mean −40.88
Std Dev 0

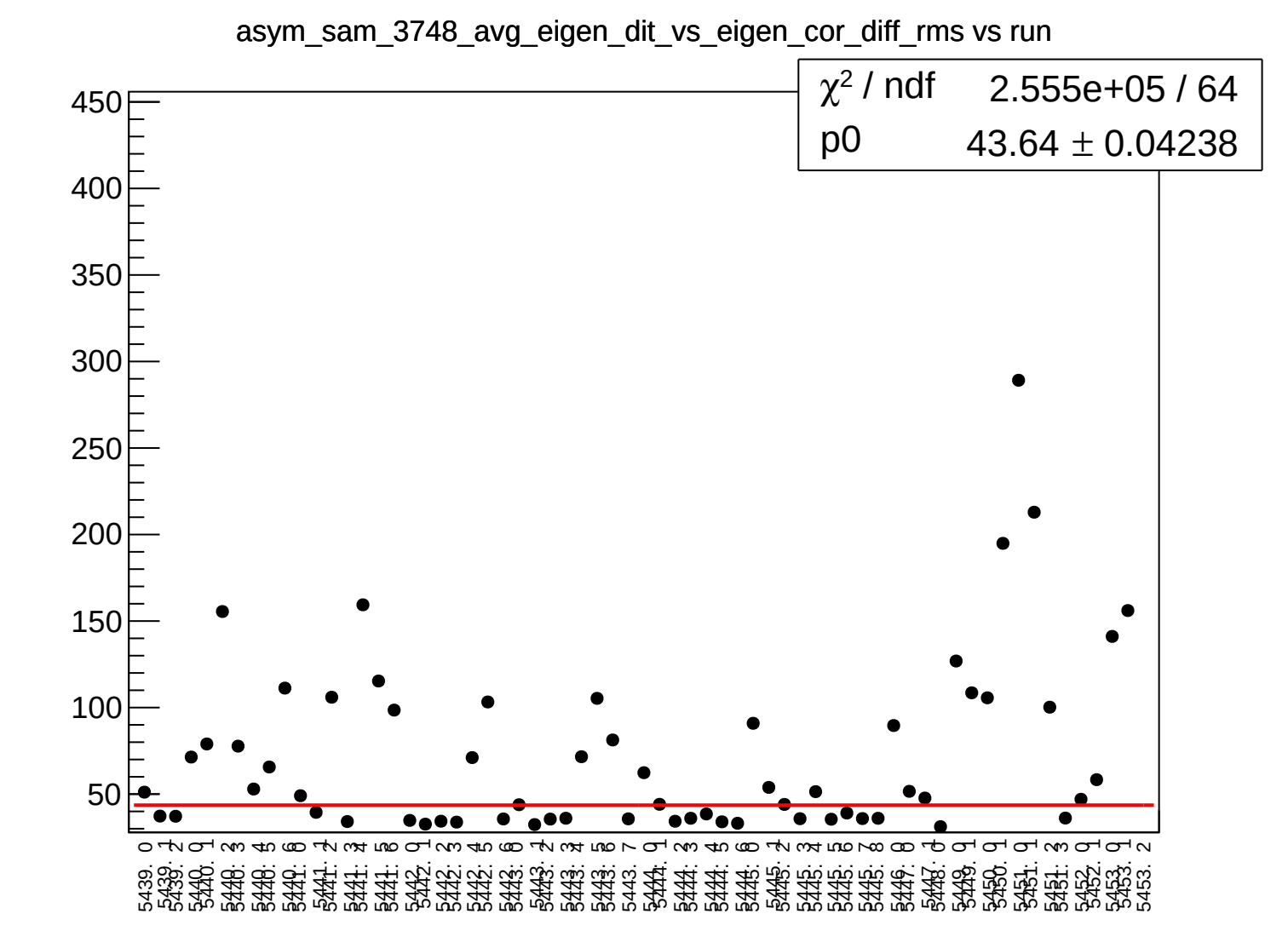

pull1D
Entries 65
Mean 0.03453
Std Dev 1.033

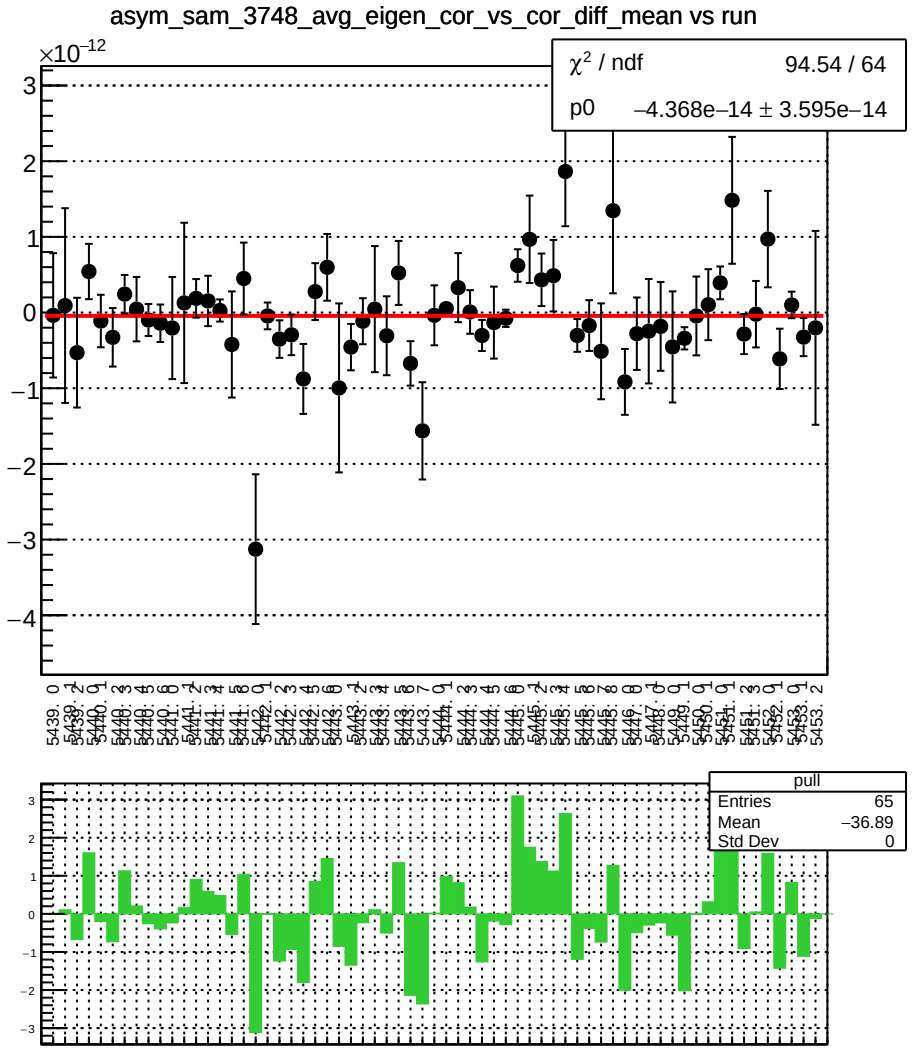

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.952e+04 / 64
p0 0.003205 ± 2.849e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015

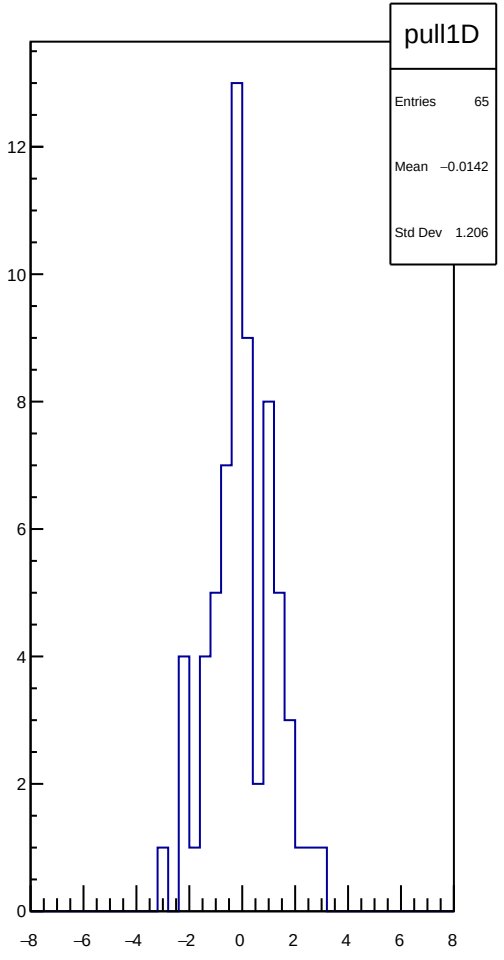

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.79 / 64
p0 −0.005929 ± 0.05994
pull
Entries 65
Mean 5.985
Std Dev 48.21
pull1D
Entries 65
Mean −0.01712
Std Dev 1.065

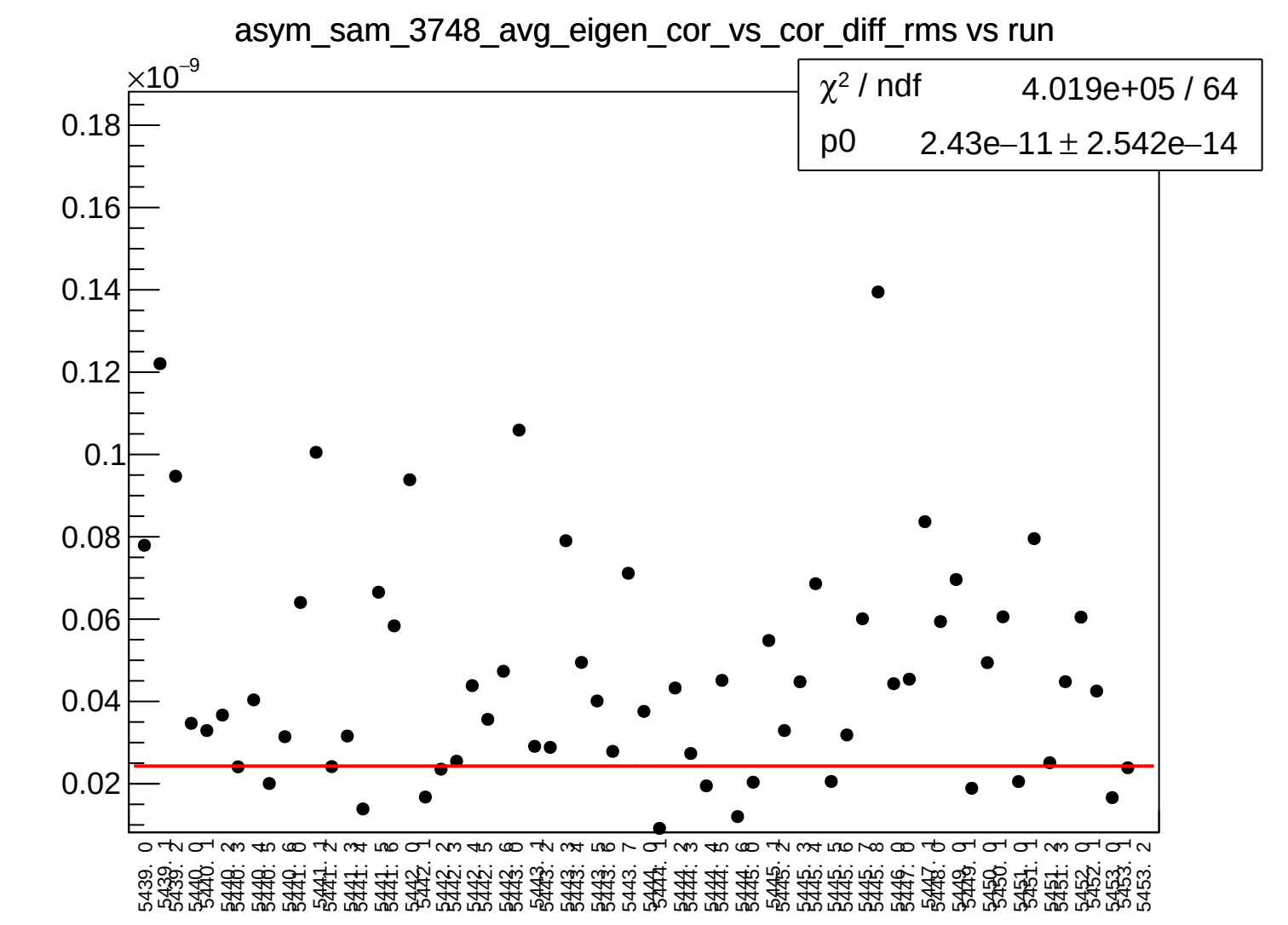

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.555e+05 / 64
p0 43.64 ± 0.04238
450
400
350
300
250
200
150
100
50

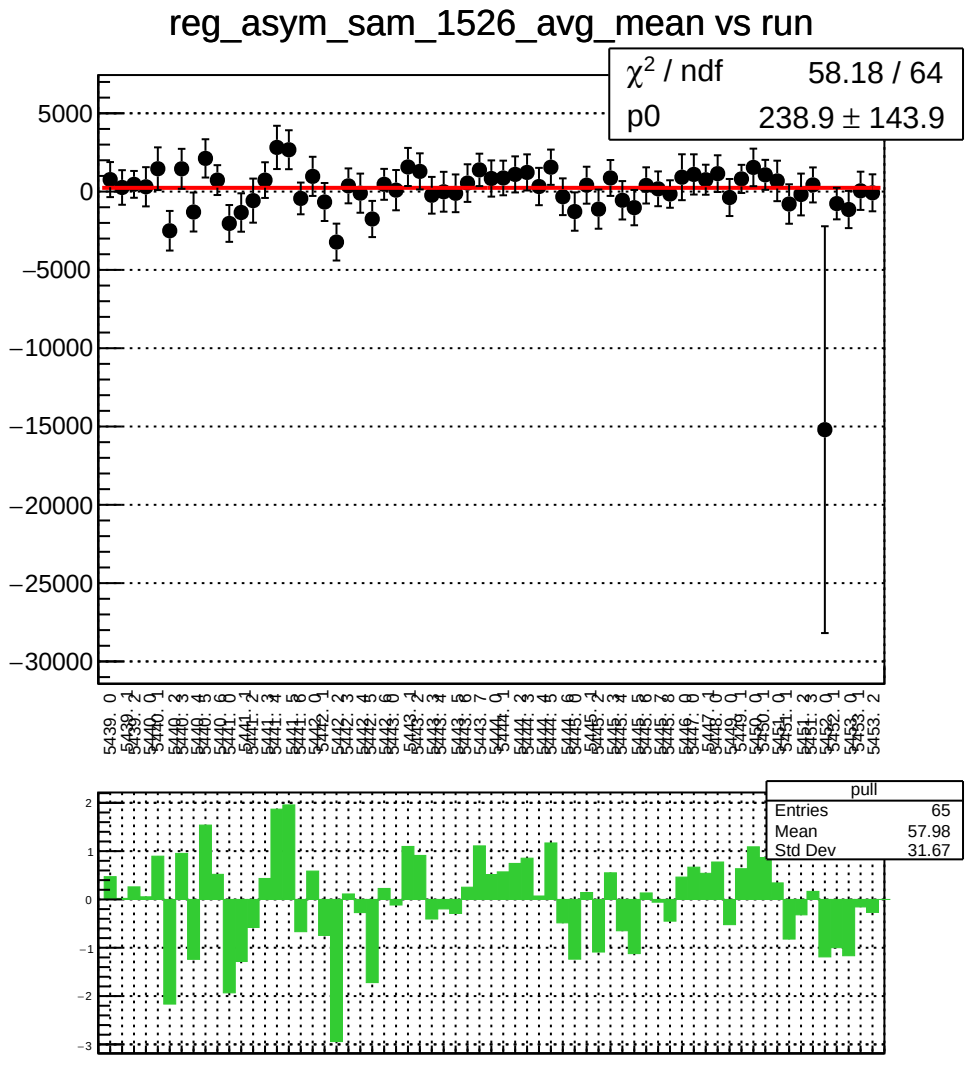

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.79 / 64
p0 −0.005929 ± 0.05994
pull
Entries 65
Mean 5.985
Std Dev 48.21
pull1D
Entries 65
Mean −0.01712
Std Dev 1.065

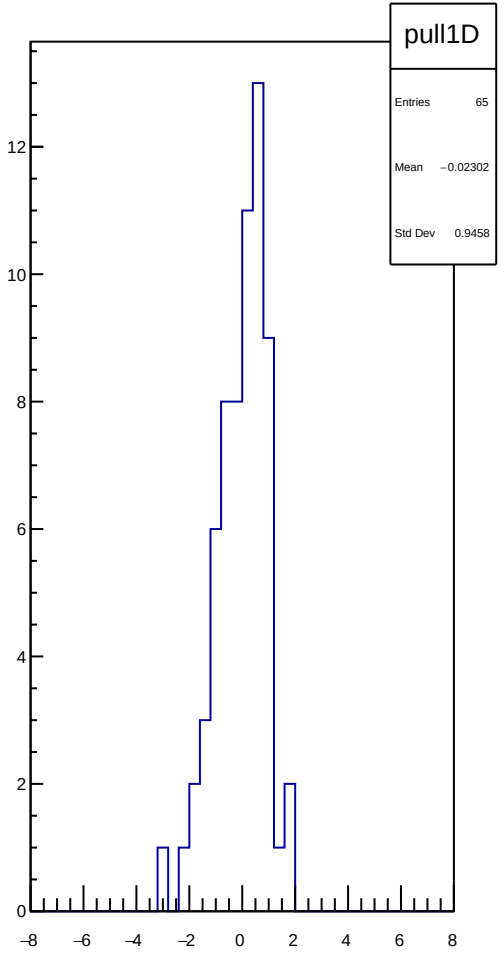

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.555e+05 / 64
p0 43.64 ± 0.04238
450
400
350
300
250
200
150
100
50

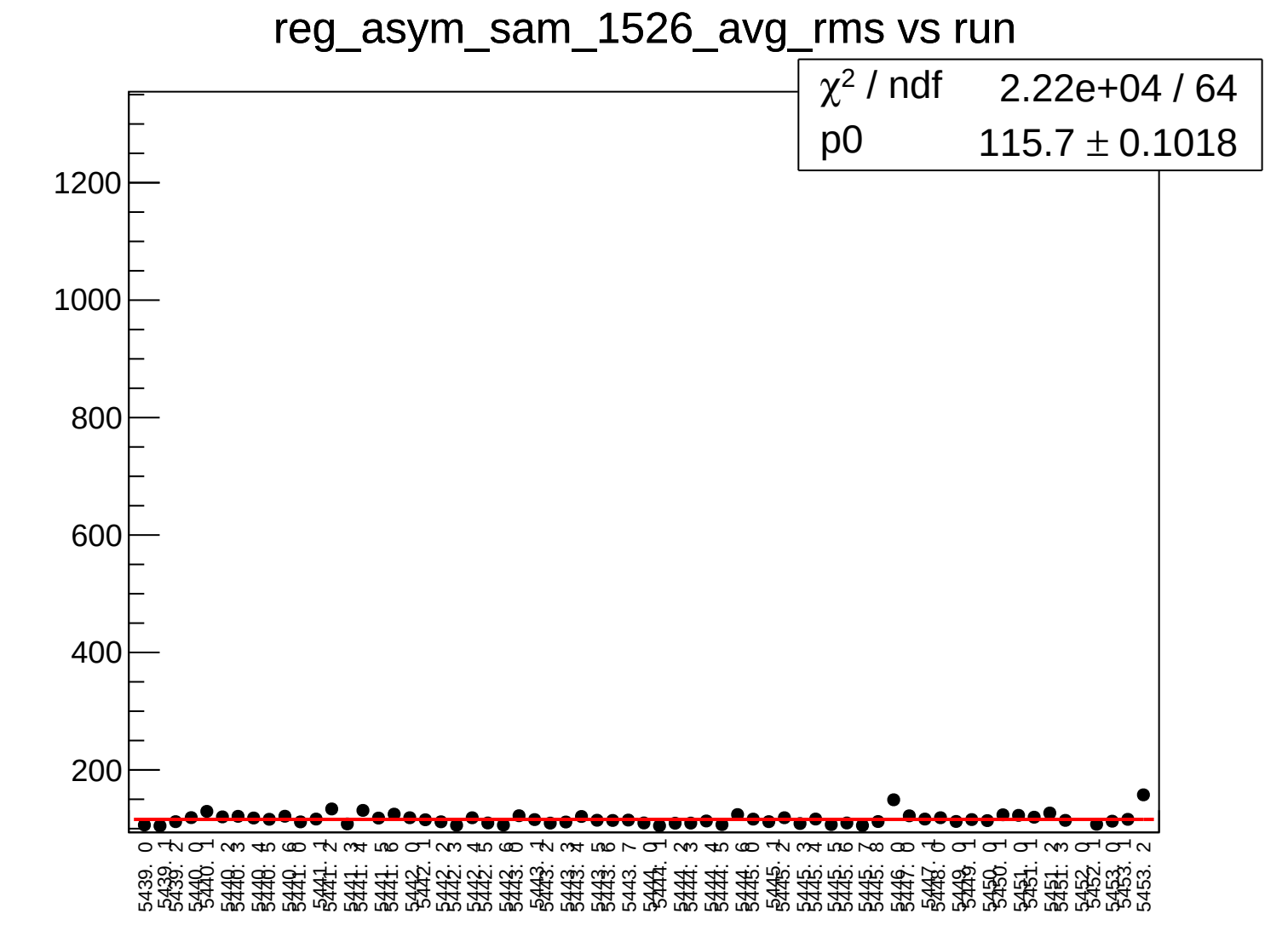

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.54 / 64
p0 −4.368e−14 ± 3.595e−14
pull
Entries 65
Mean −36.89
Std Dev 0

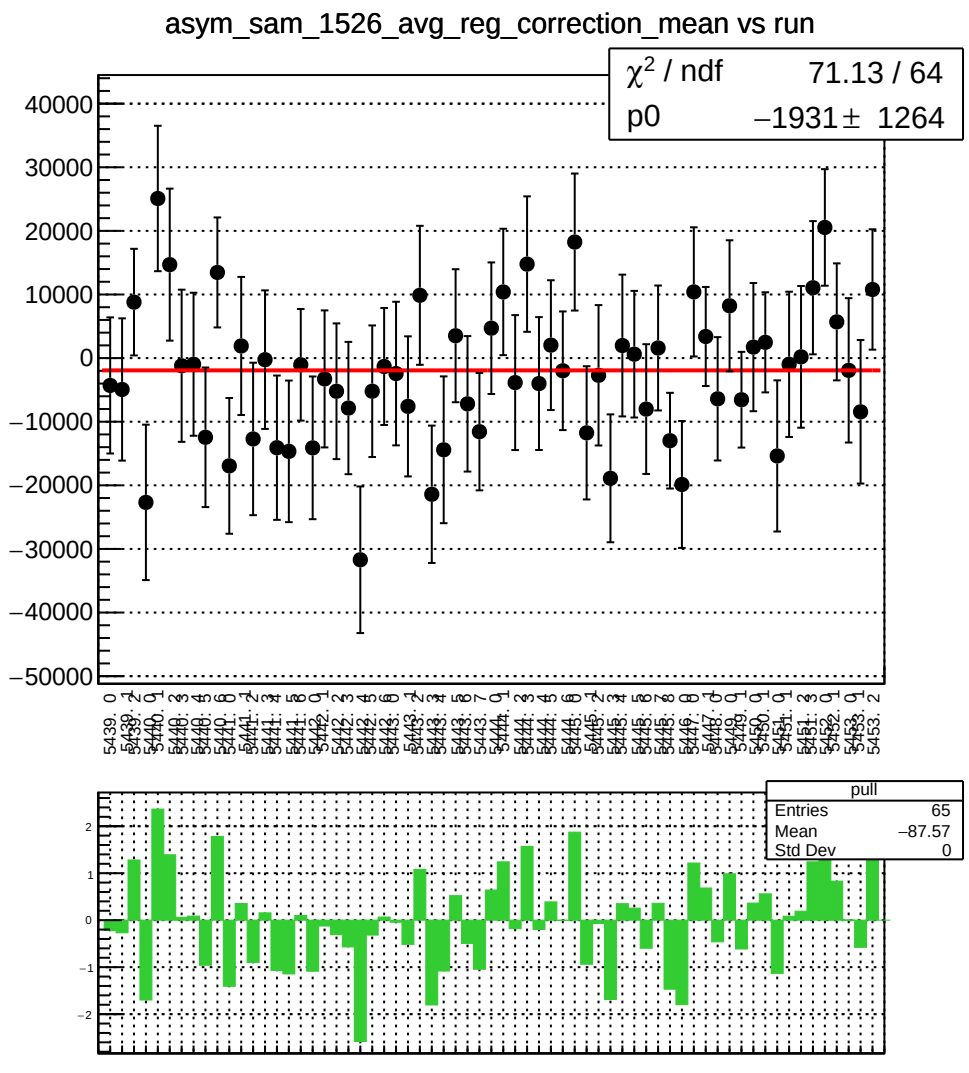

pull1D
Entries 65
Mean −0.0142
Std Dev 1.206

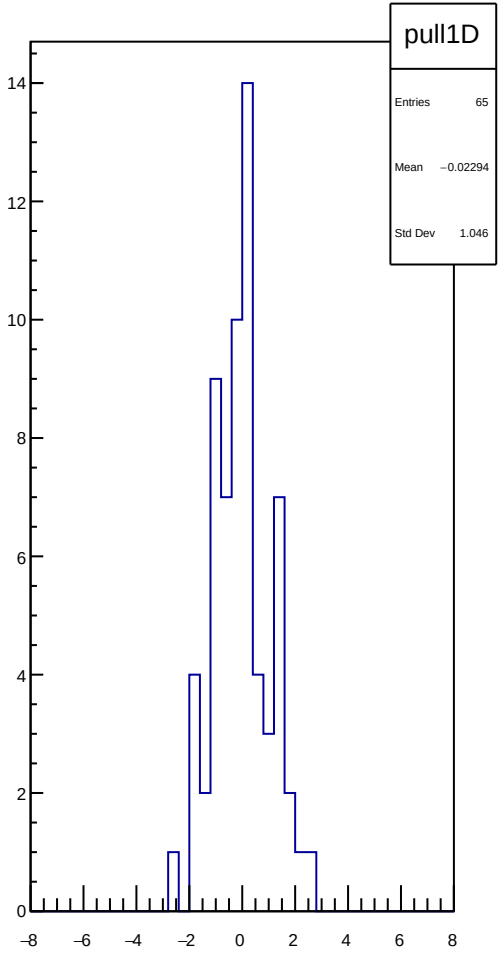

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.019e+05 / 64
p0 2.43e−11 ± 2.542e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

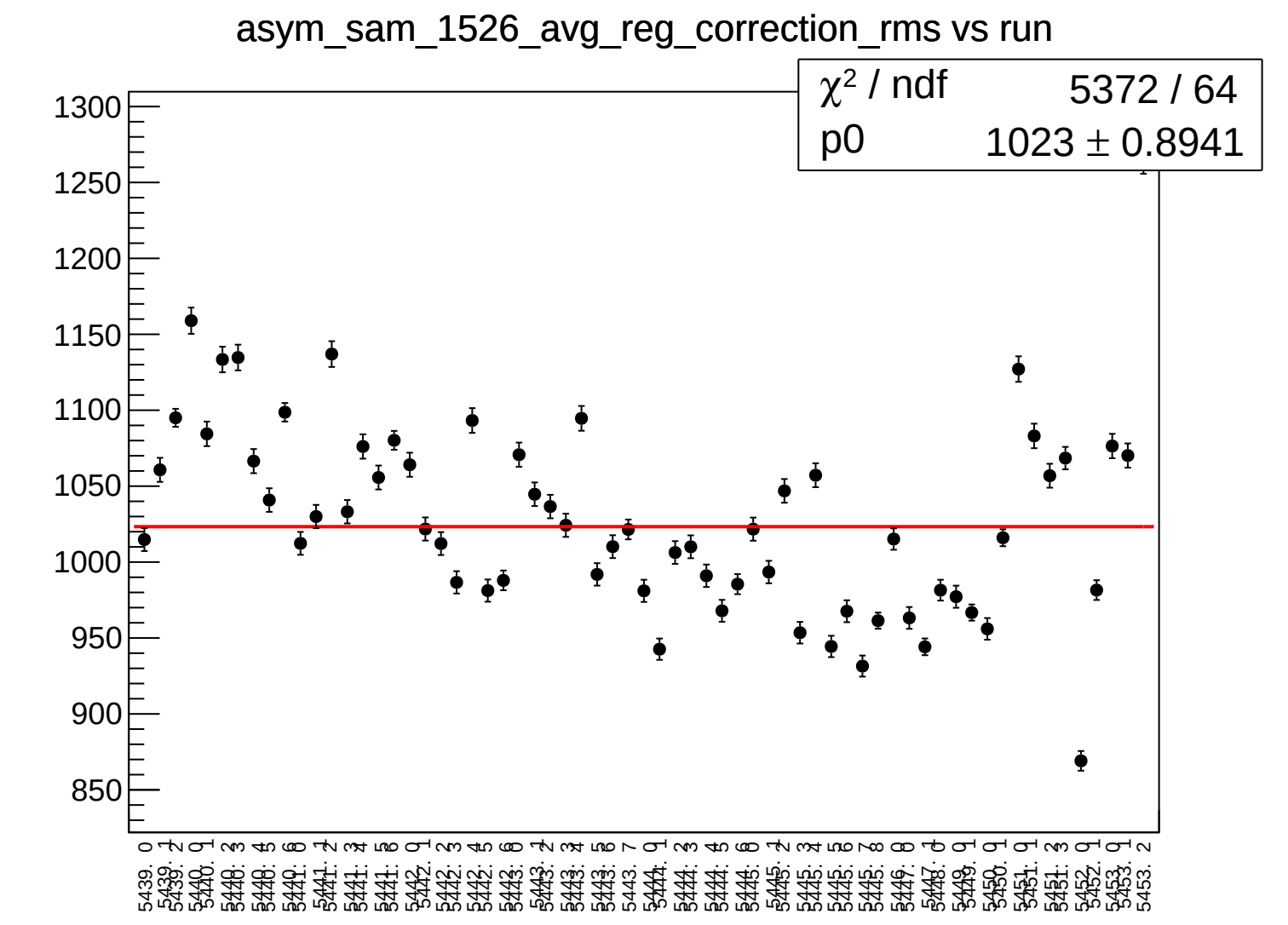

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 58.18 / 64
p0 238.9 ± 143.9
pull
Entries 65
Mean 57.98
Std Dev 31.67

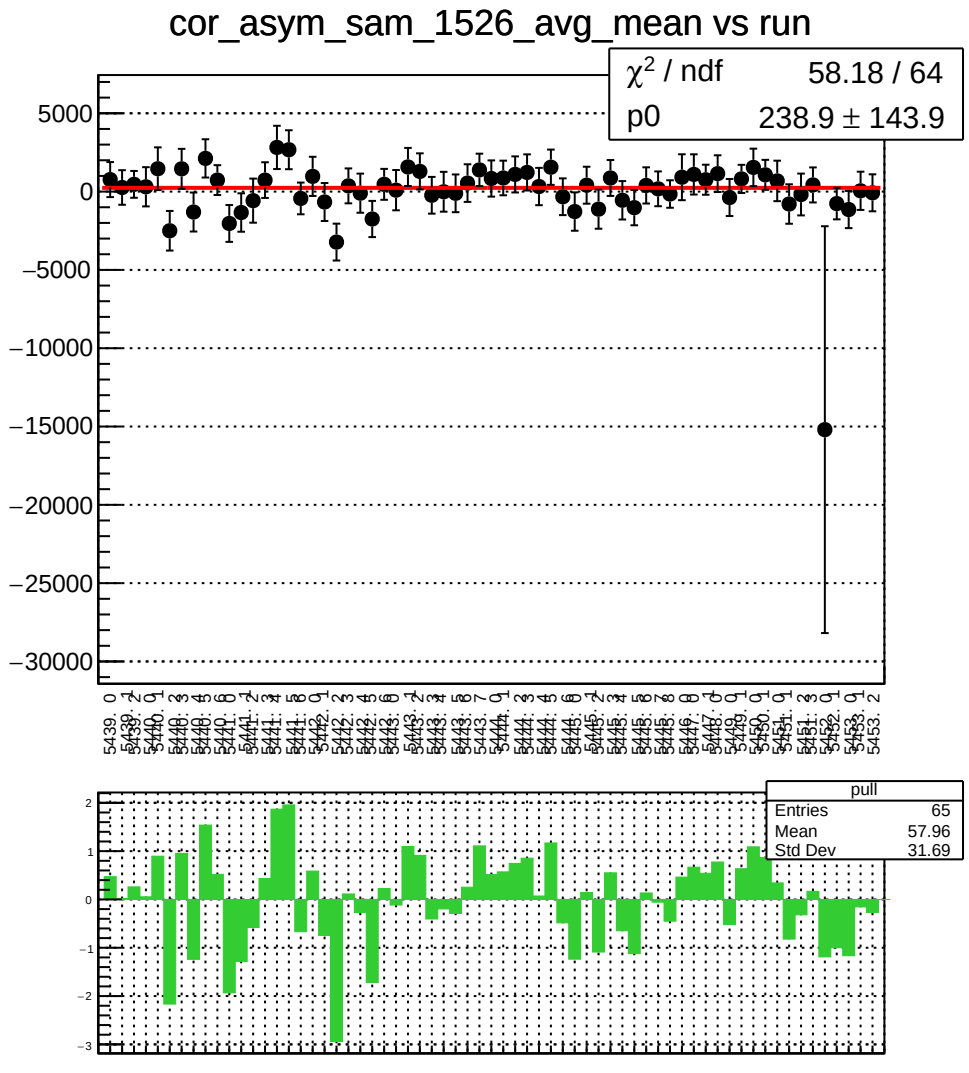

pull1D
Entries 65
Mean −0.02302
Std Dev 0.9458

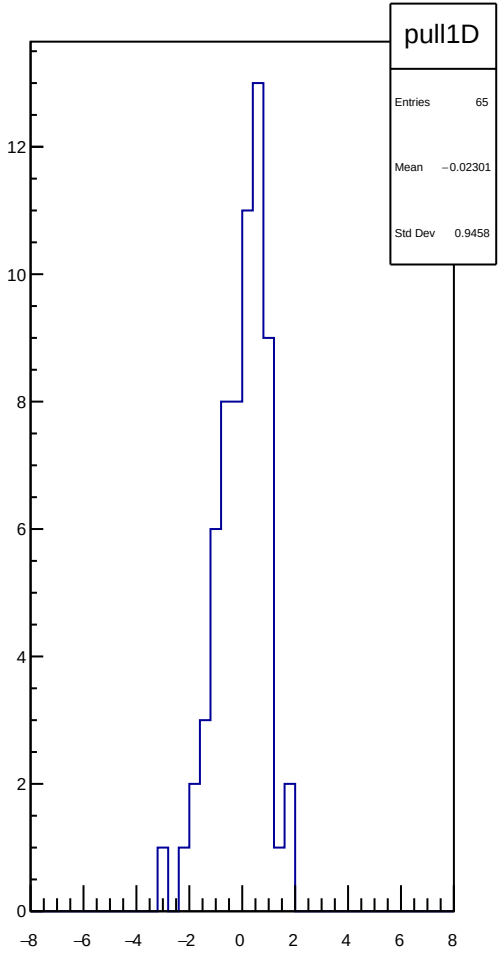

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 2.22e+04 / 64
p0 115.7 ± 0.1018
1200
1000
800
600
400
200

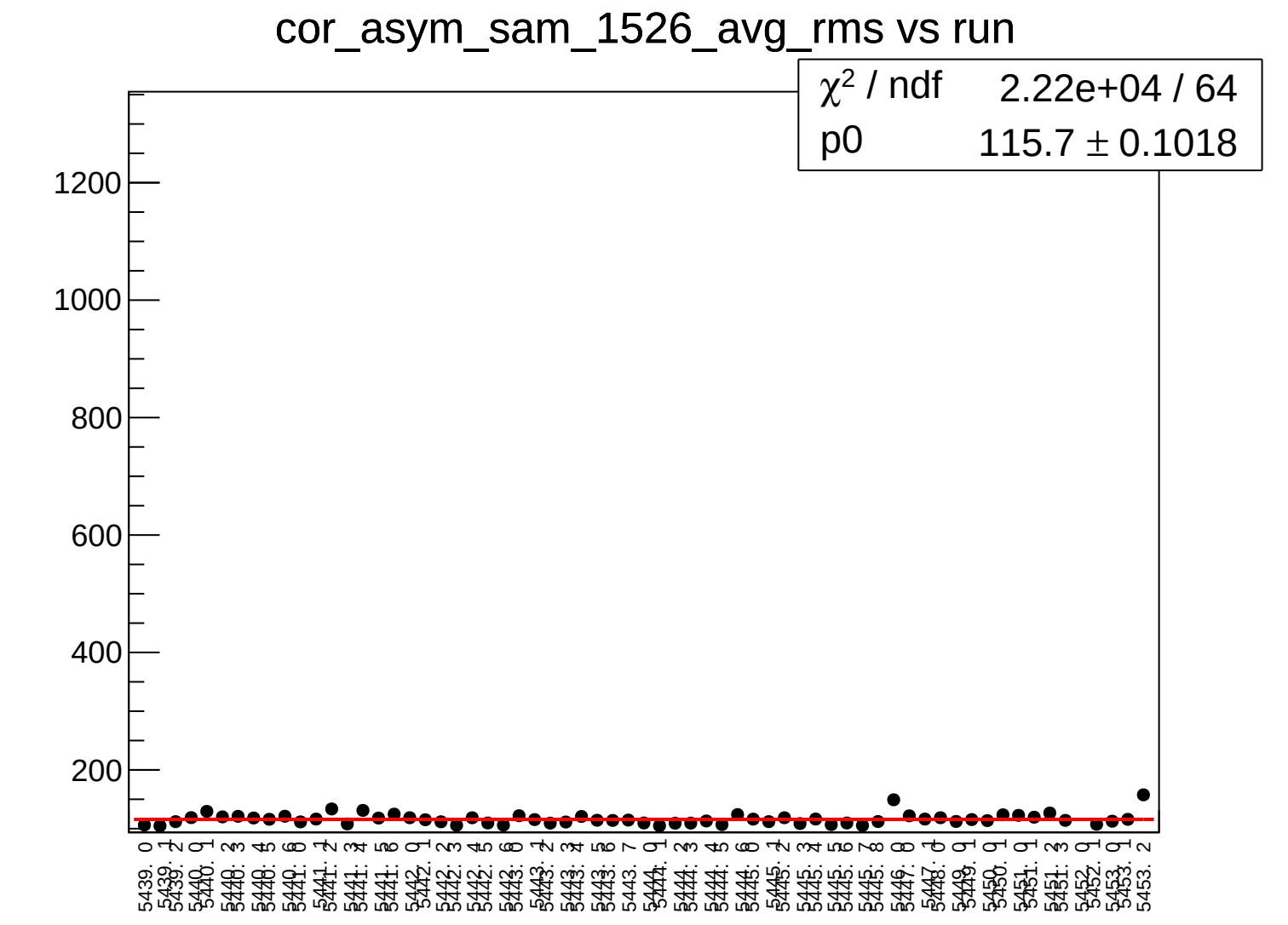

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 71.13 / 64
p0 −1931 ± 1264
pull
Entries 65
Mean −87.57
Std Dev 0

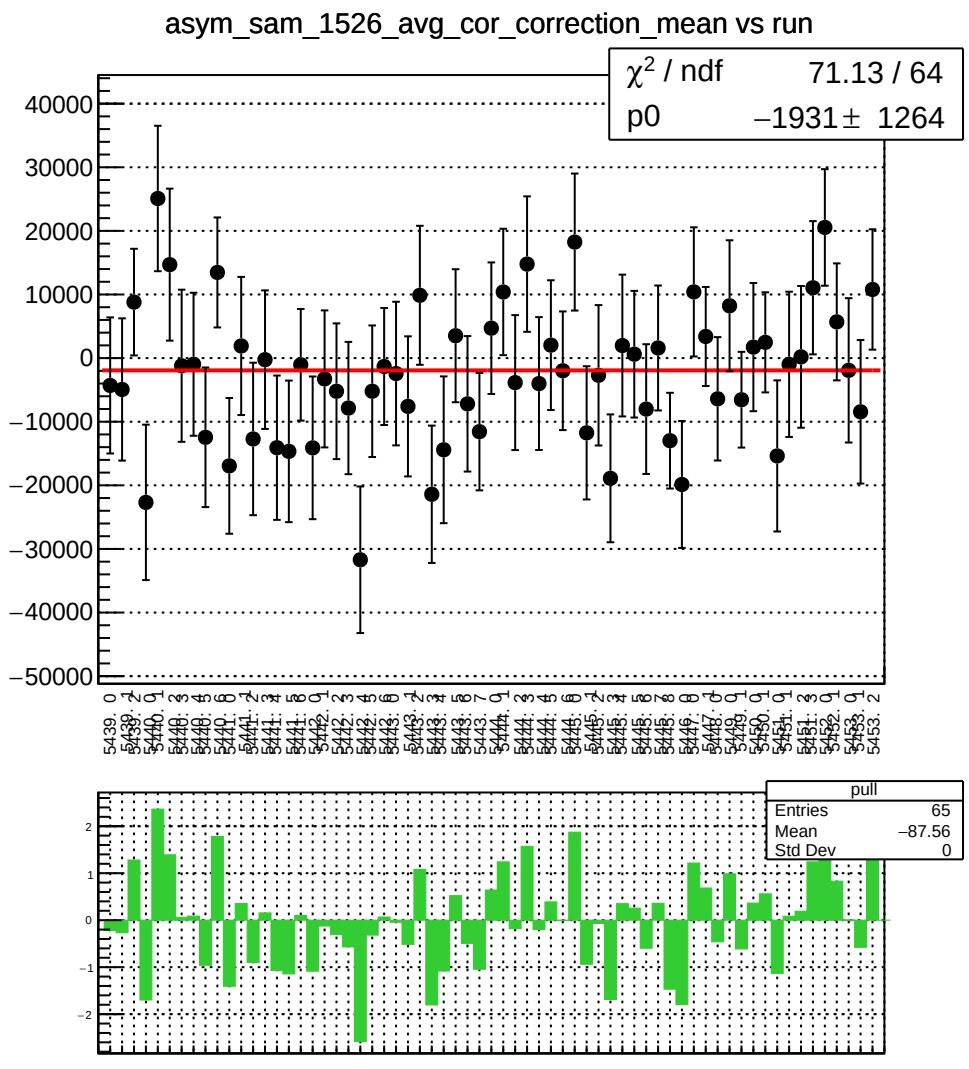

pull1D
Entries 65
Mean −0.02294
Std Dev 1.046

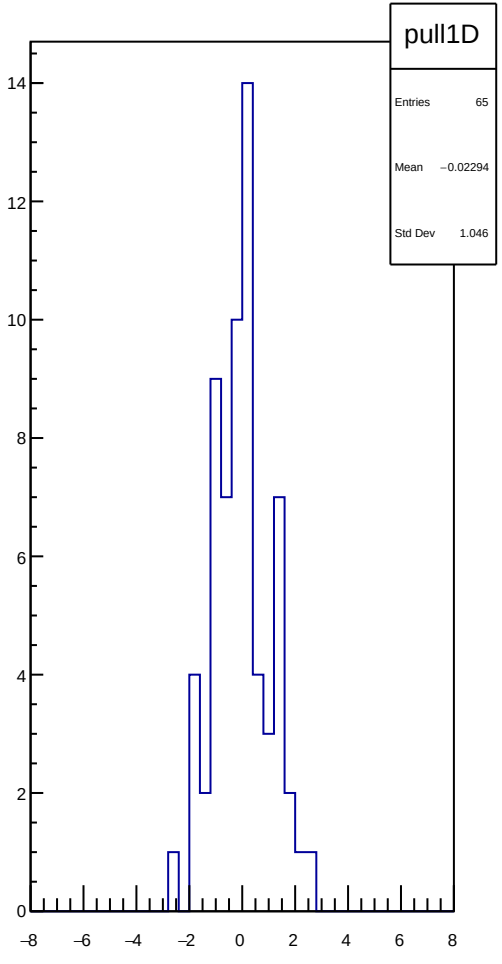

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 5372 / 64
p0 1023 ± 0.8941
1300
1250
1200
1150
1100
1050
1000
950
900
850

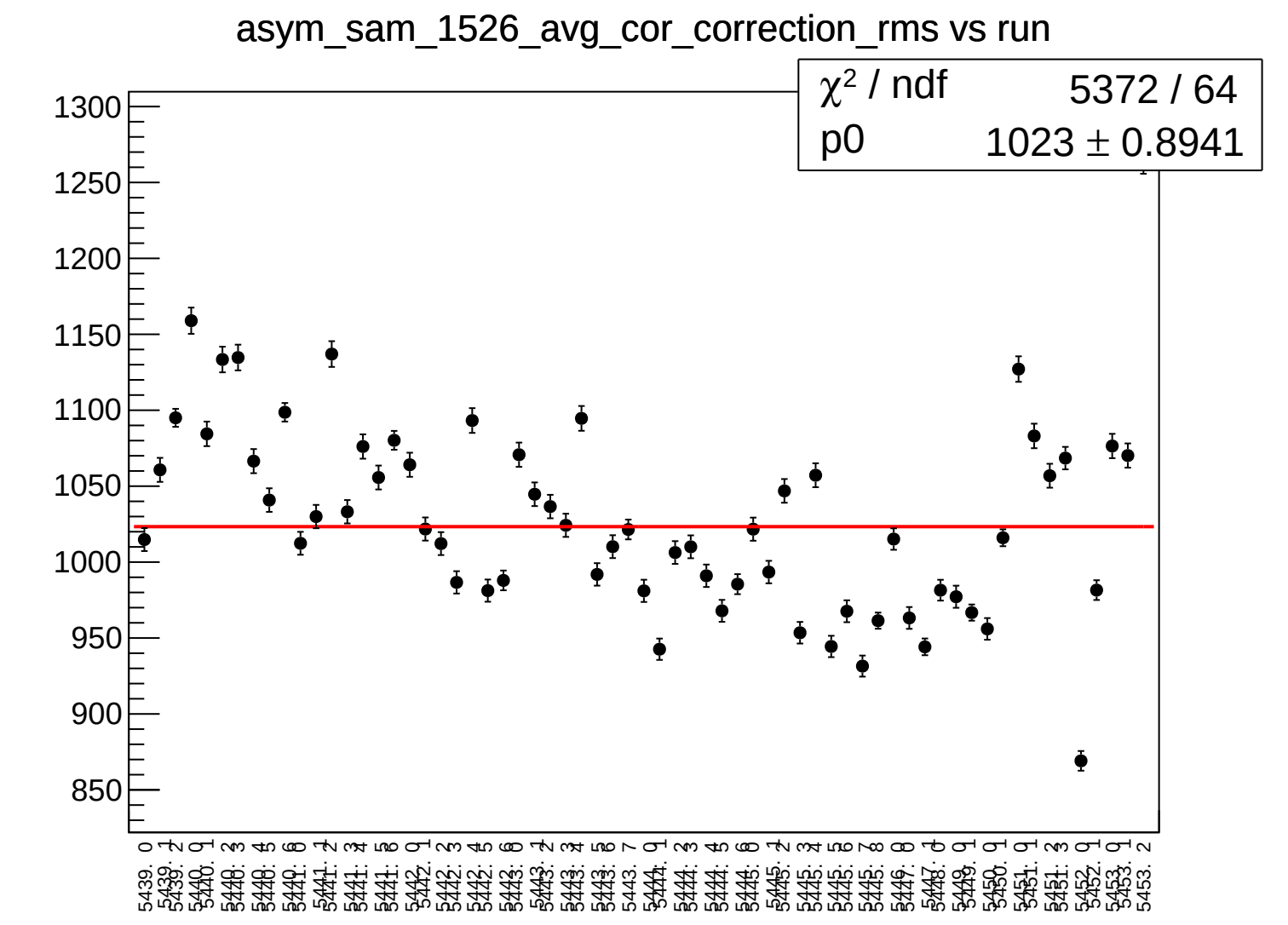

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 58.18 / 64
p0 238.9 ± 143.9
pull
Entries 65
Mean 57.96
Std Dev 31.69

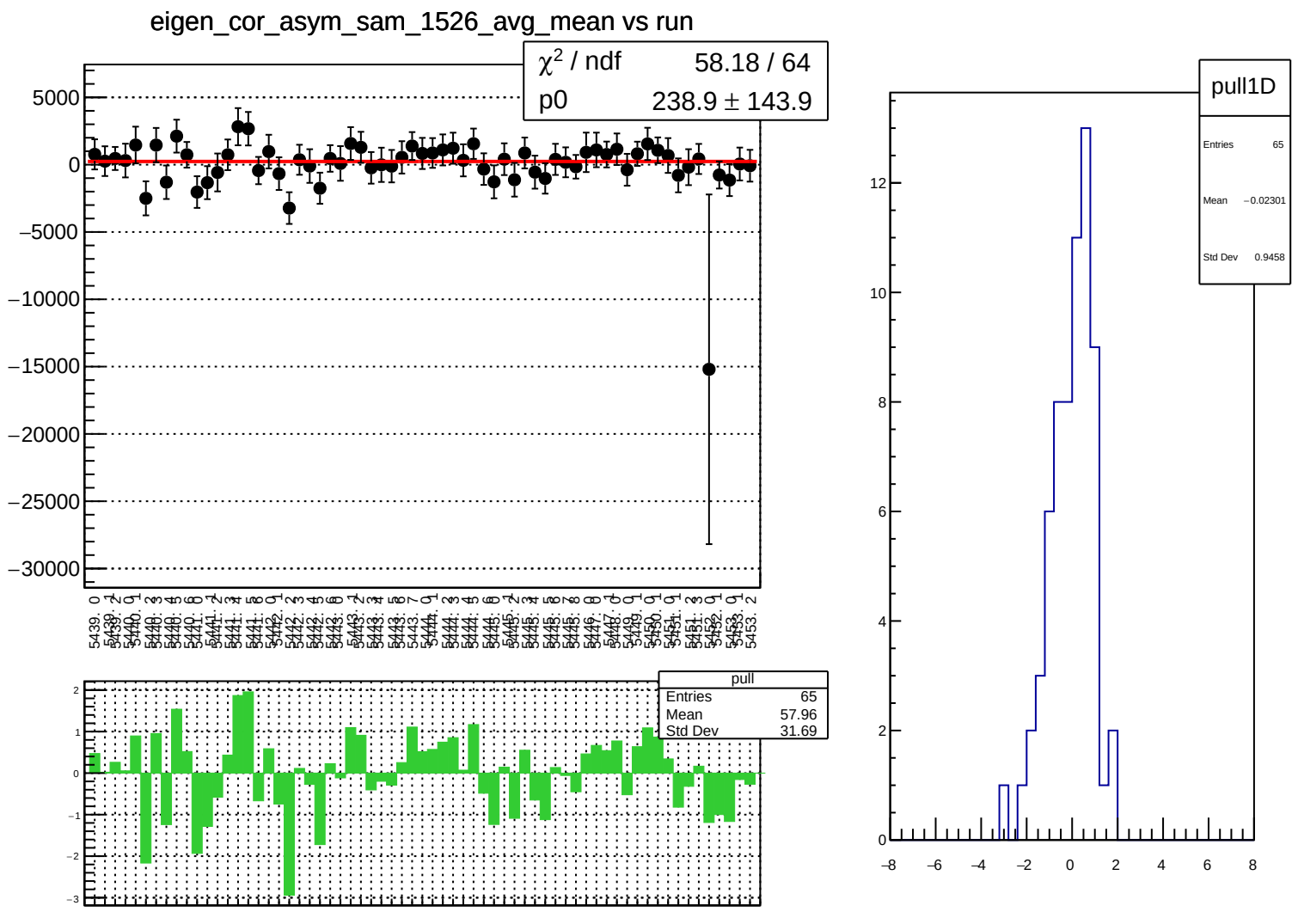

pull1D
Entries 65
Mean −0.02301
Std Dev 0.9458

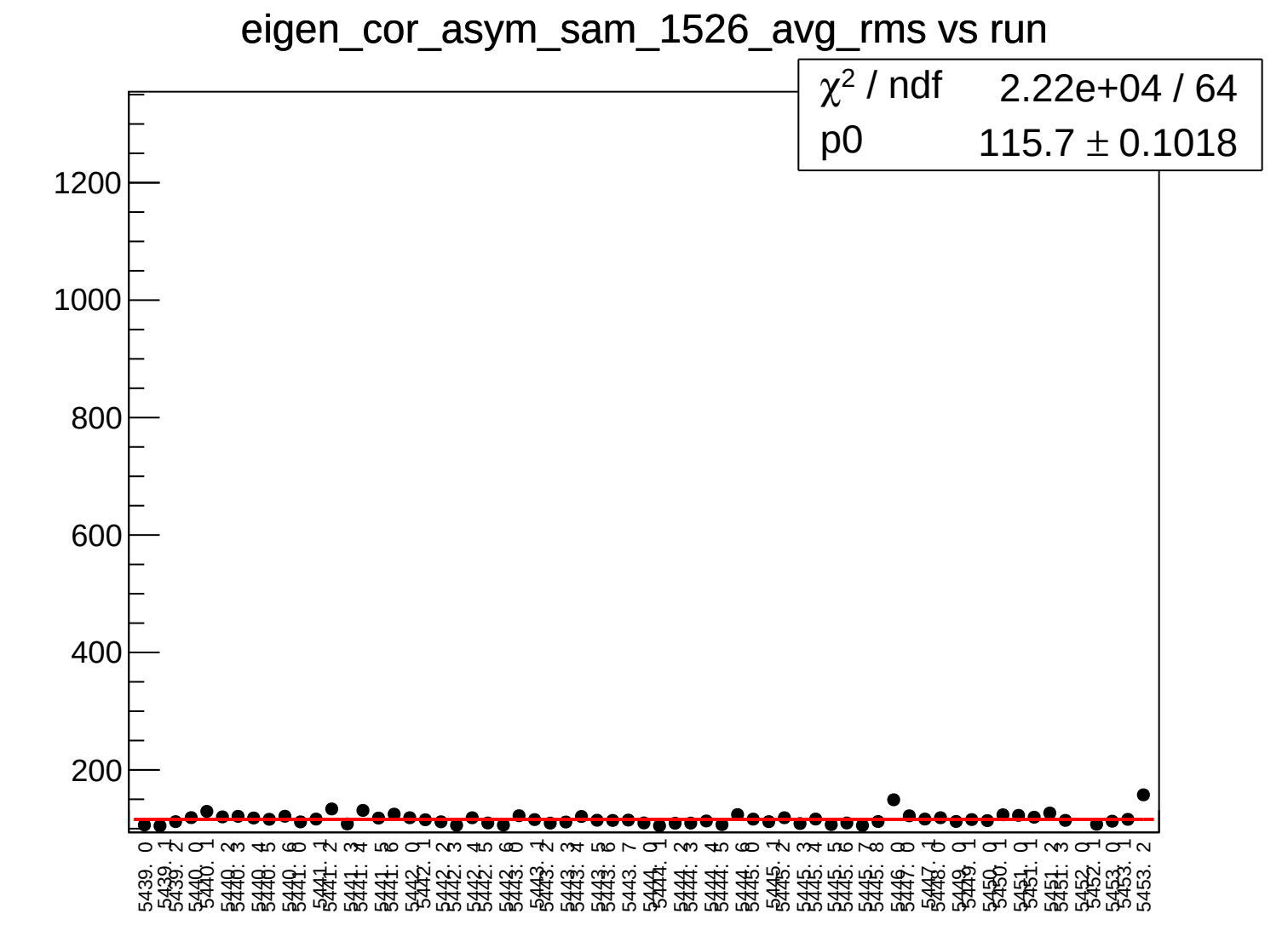

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.22e+04 / 64
p0 115.7 ± 0.1018
1200
1000
800
600
400
200

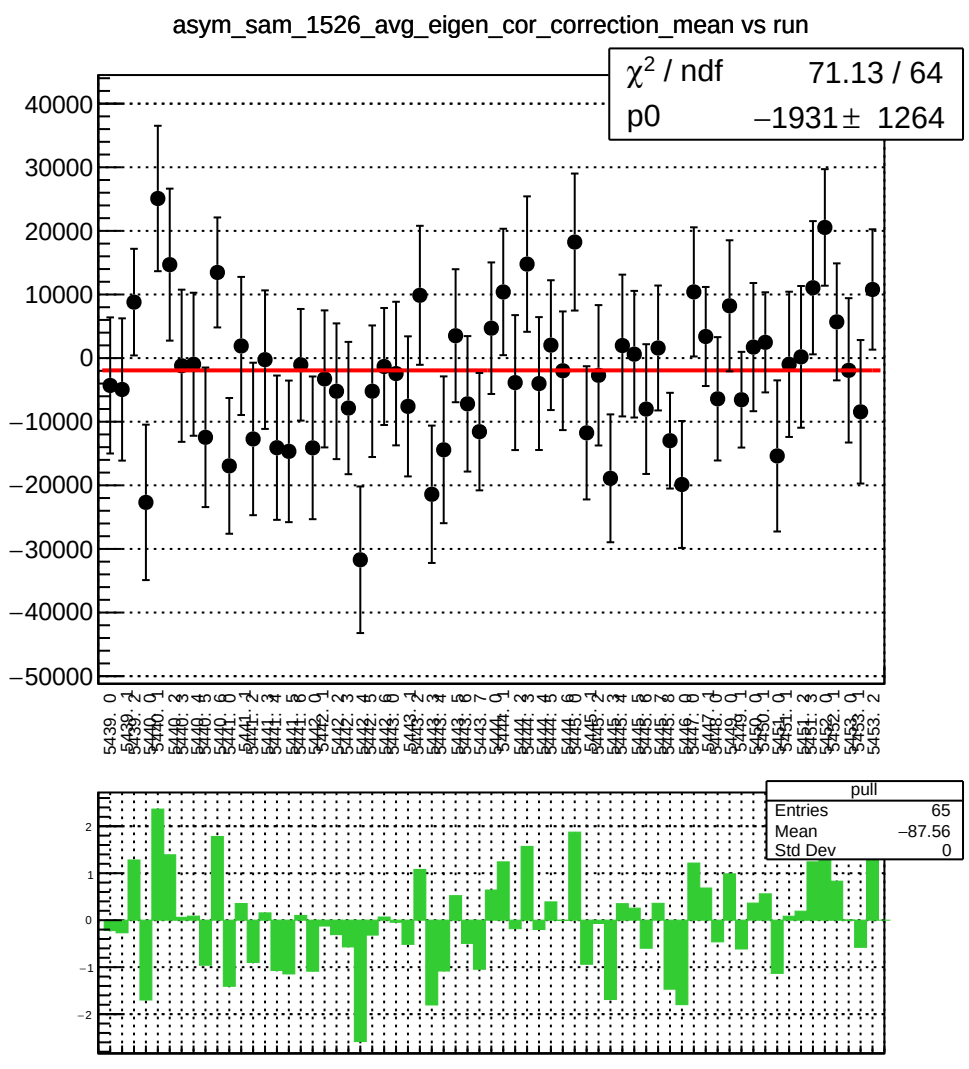

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 71.13 / 64
p0 −1931 ± 1264
pull
Entries 65
Mean −87.56
Std Dev 0

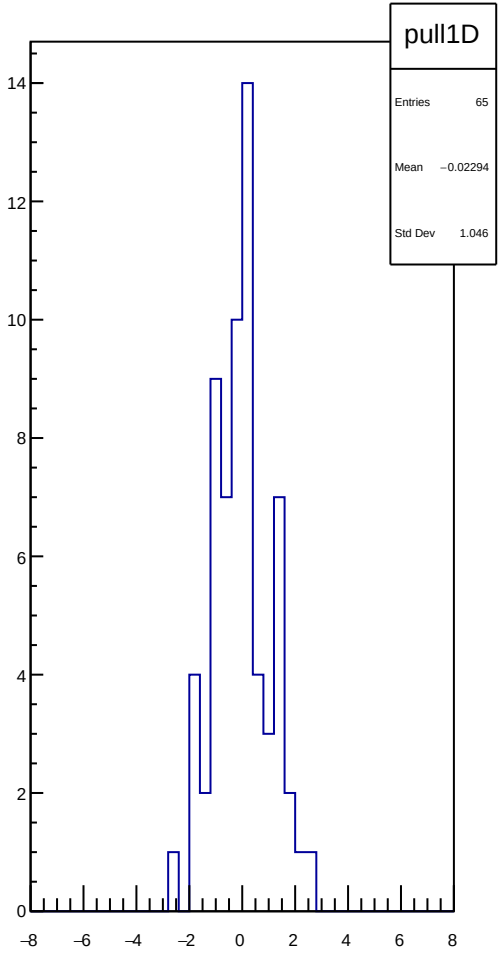

pull1D
Entries 65
Mean −0.02294
Std Dev 1.046

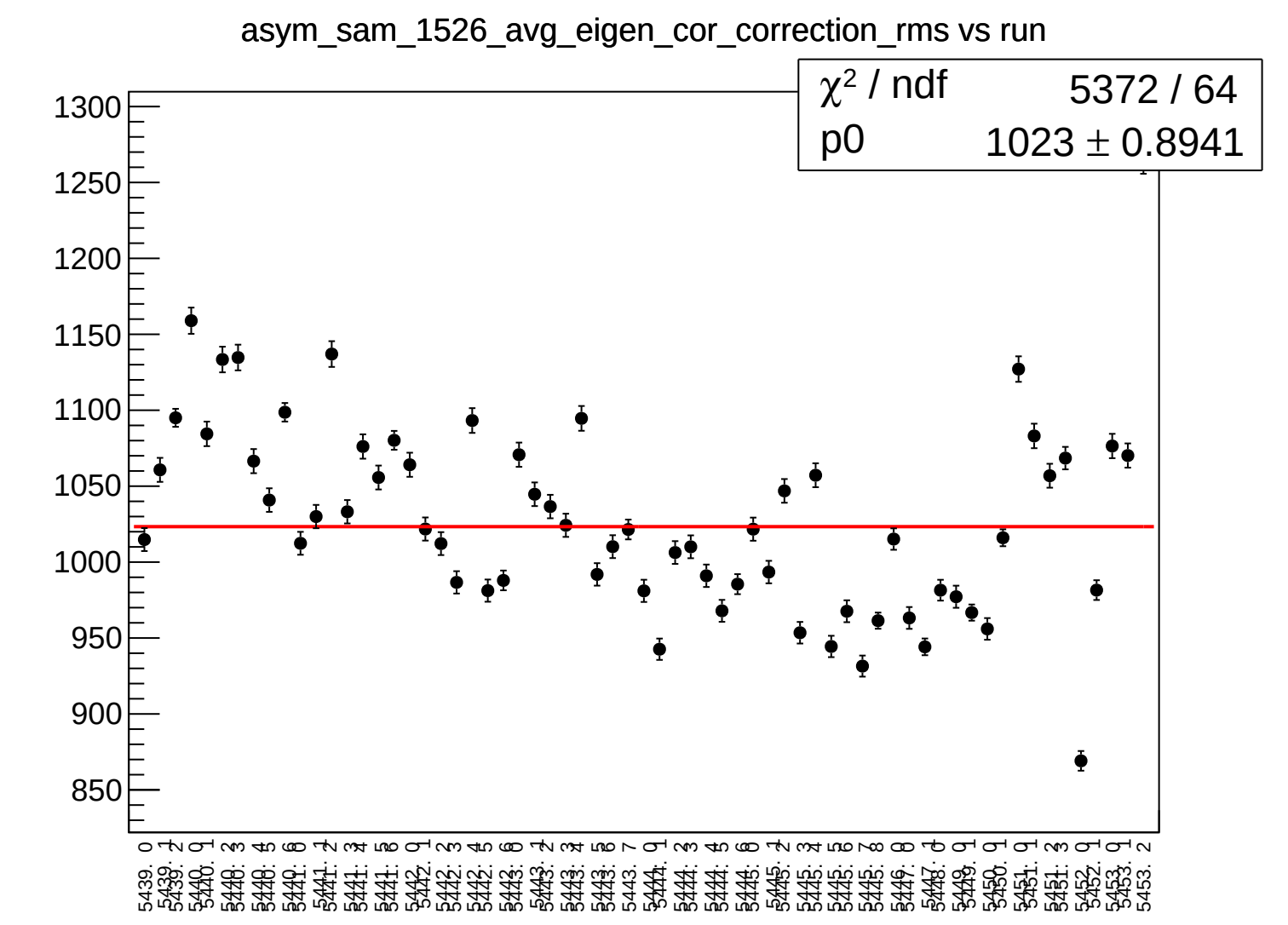

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 5372 / 64
p0 1023 ± 0.8941
1300
1250
1200
1150
1100
1050
1000
950
900
850

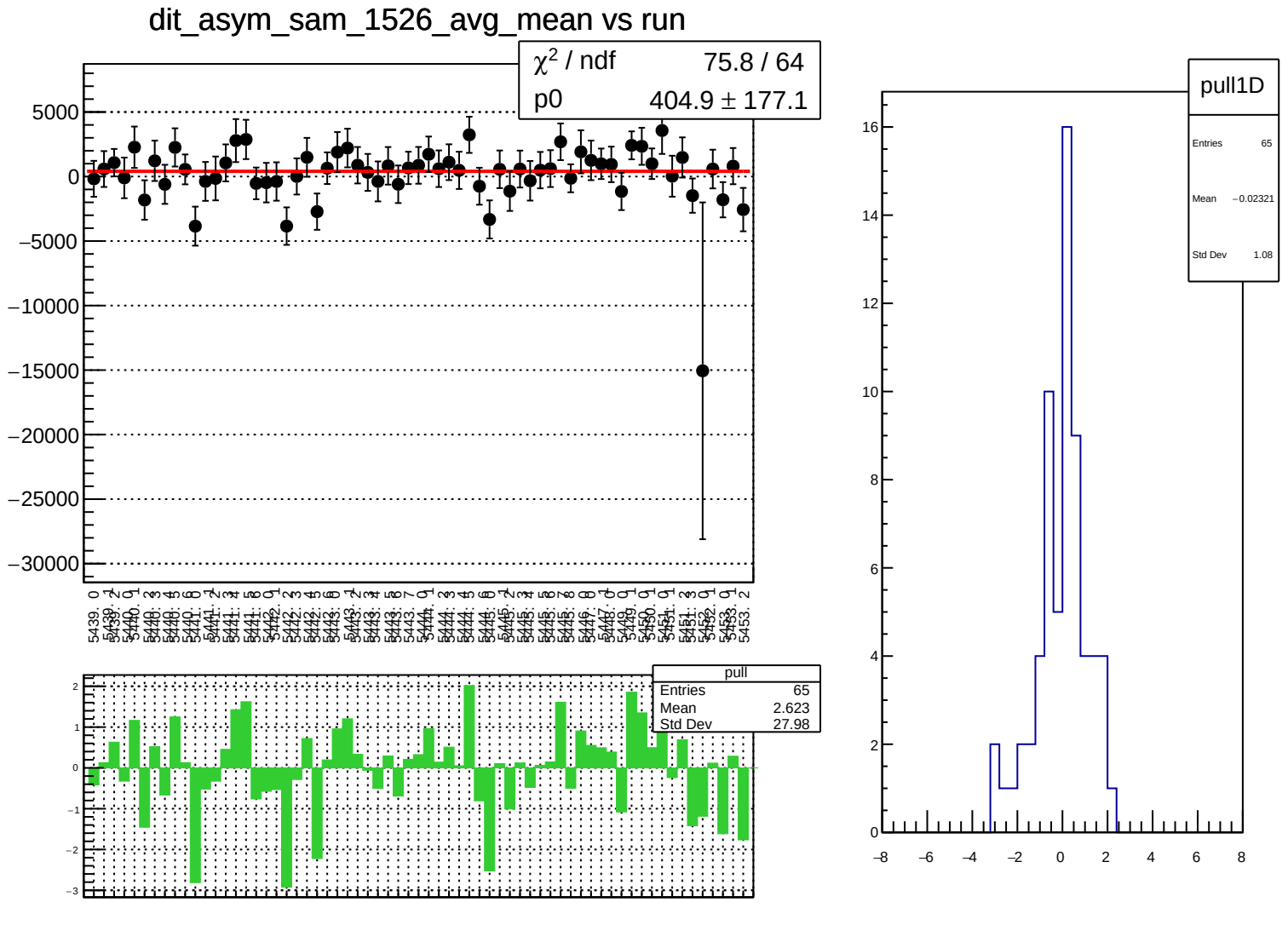

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 58.18 / 64
p0 238.9 ± 143.9
pull
Entries 65
Mean 57.96
Std Dev 31.69
pull1D
Entries 65
Mean −0.02301
Std Dev 0.9458

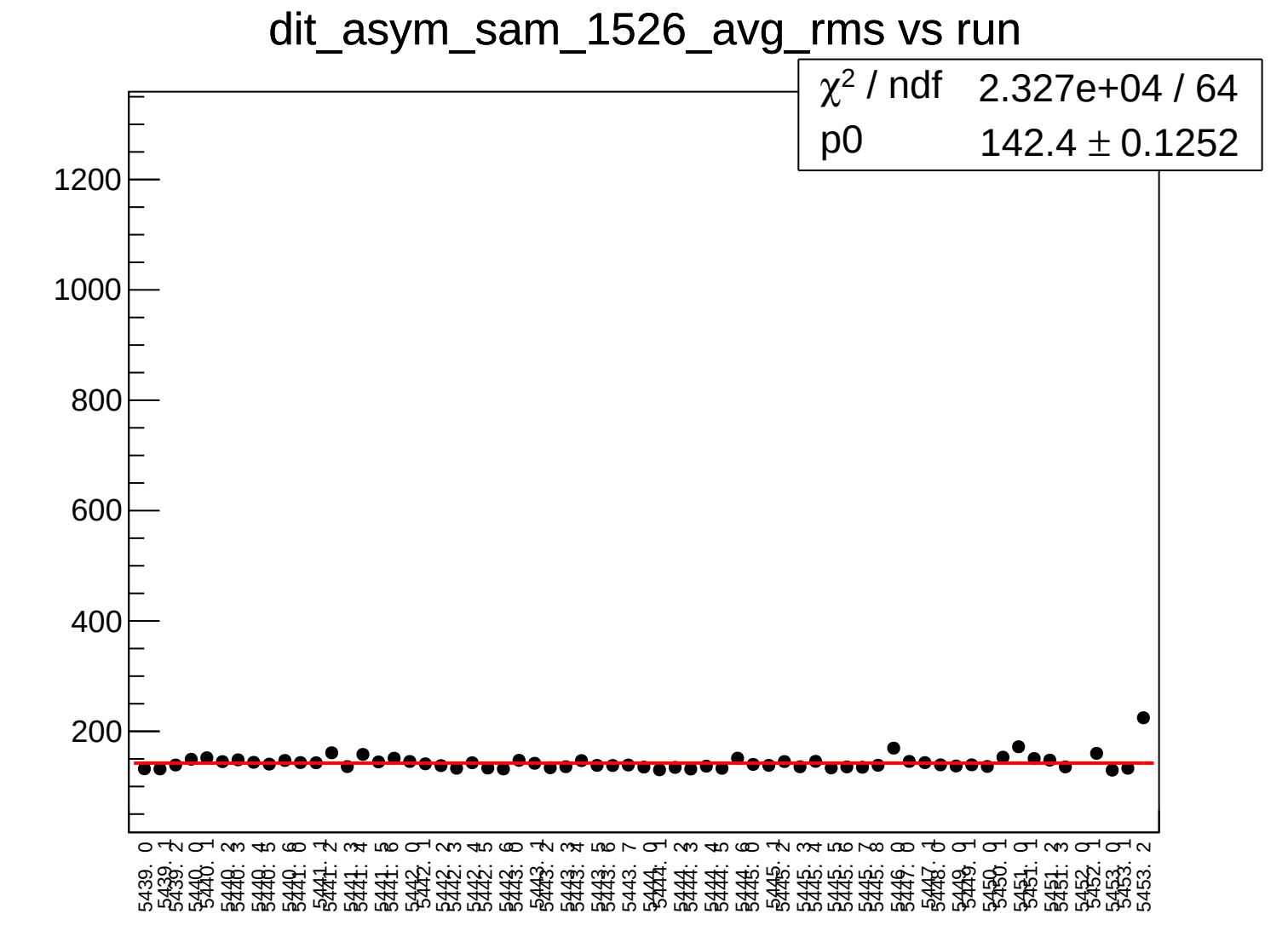

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.22e+04 / 64
p0 115.7 ± 0.1018
1200
1000
800
600
400
200

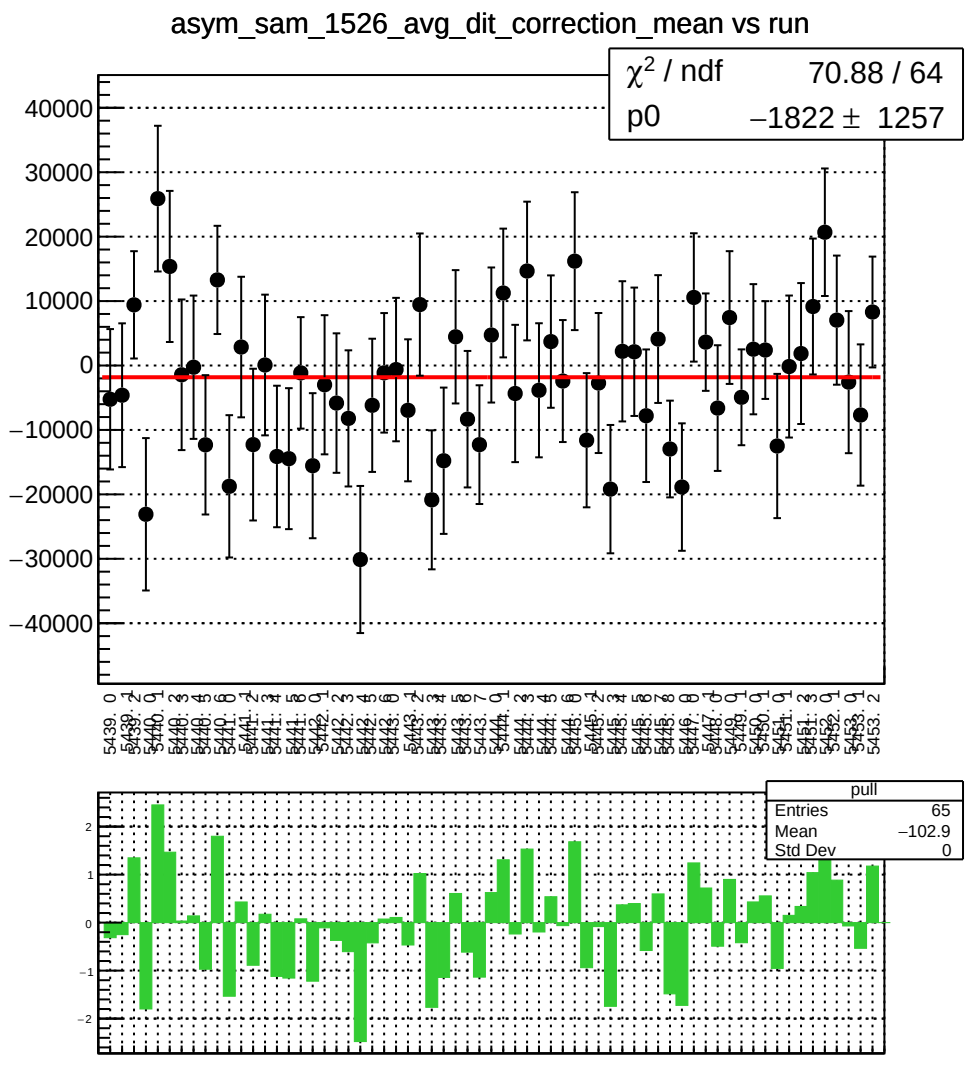

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.13 / 64
p0 −1931 ± 1264
pull
Entries 65
Mean −87.56
Std Dev 0

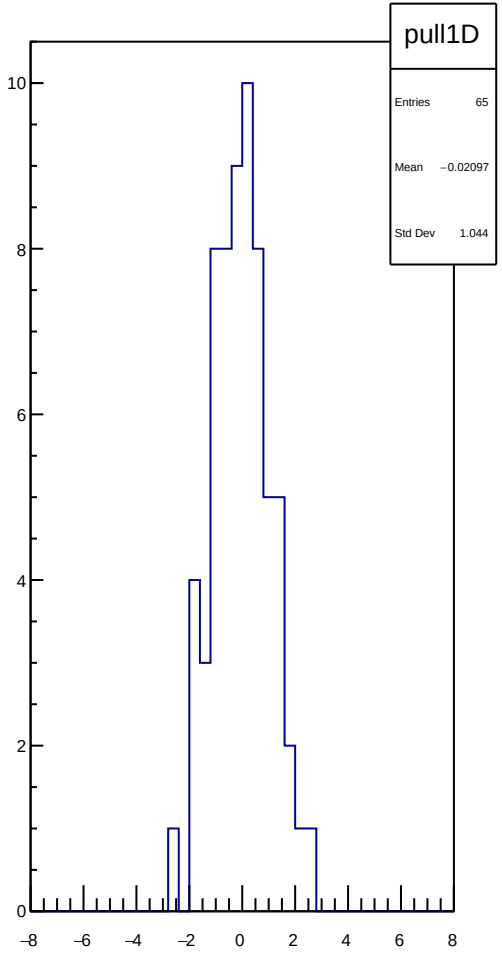

pull1D
Entries 65
Mean −0.02294
Std Dev 1.046

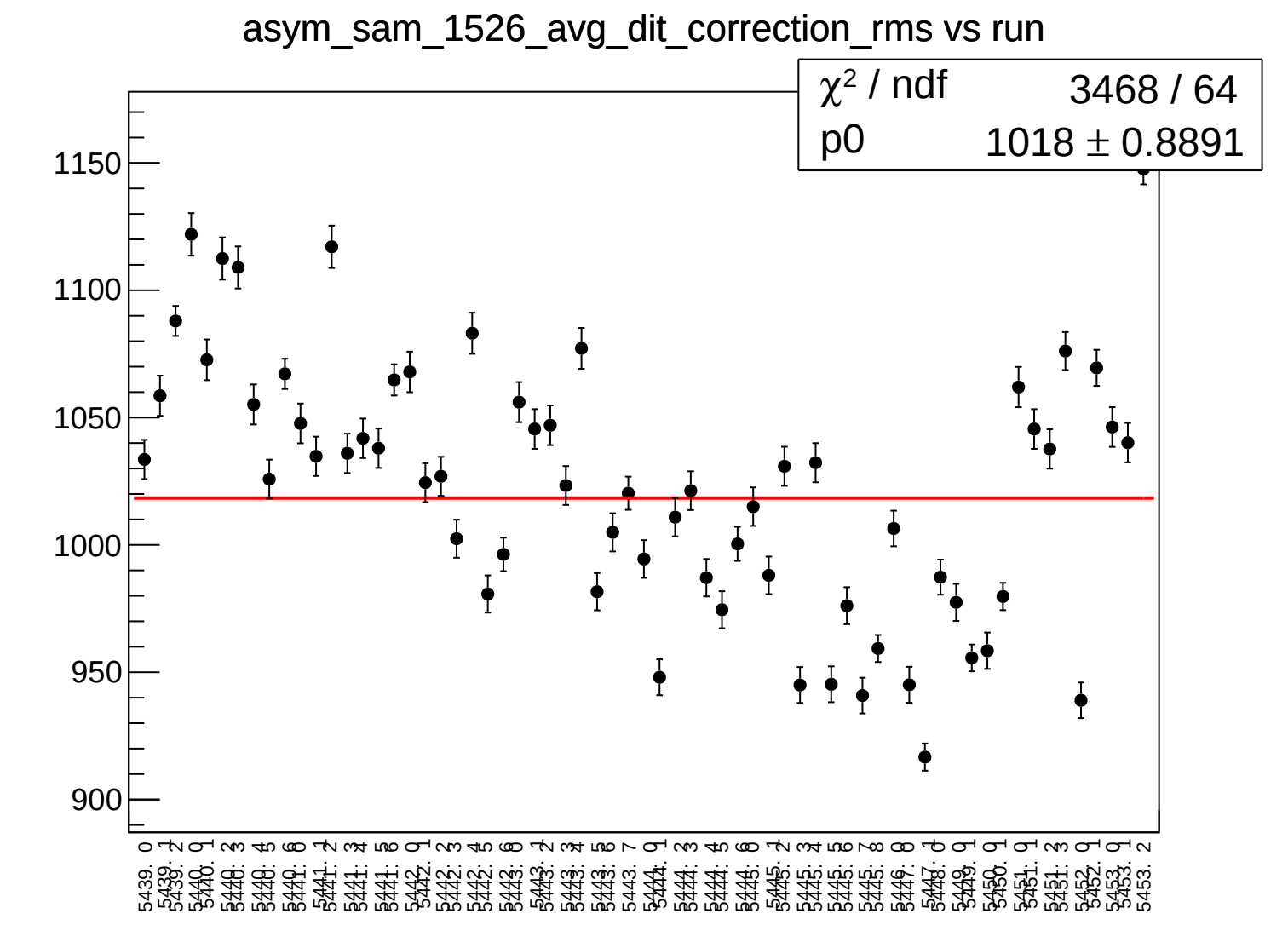

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 5372 / 64
p0 1023 ± 0.8941
1300
1250
1200
1150
1100
1050
1000
950
900
850

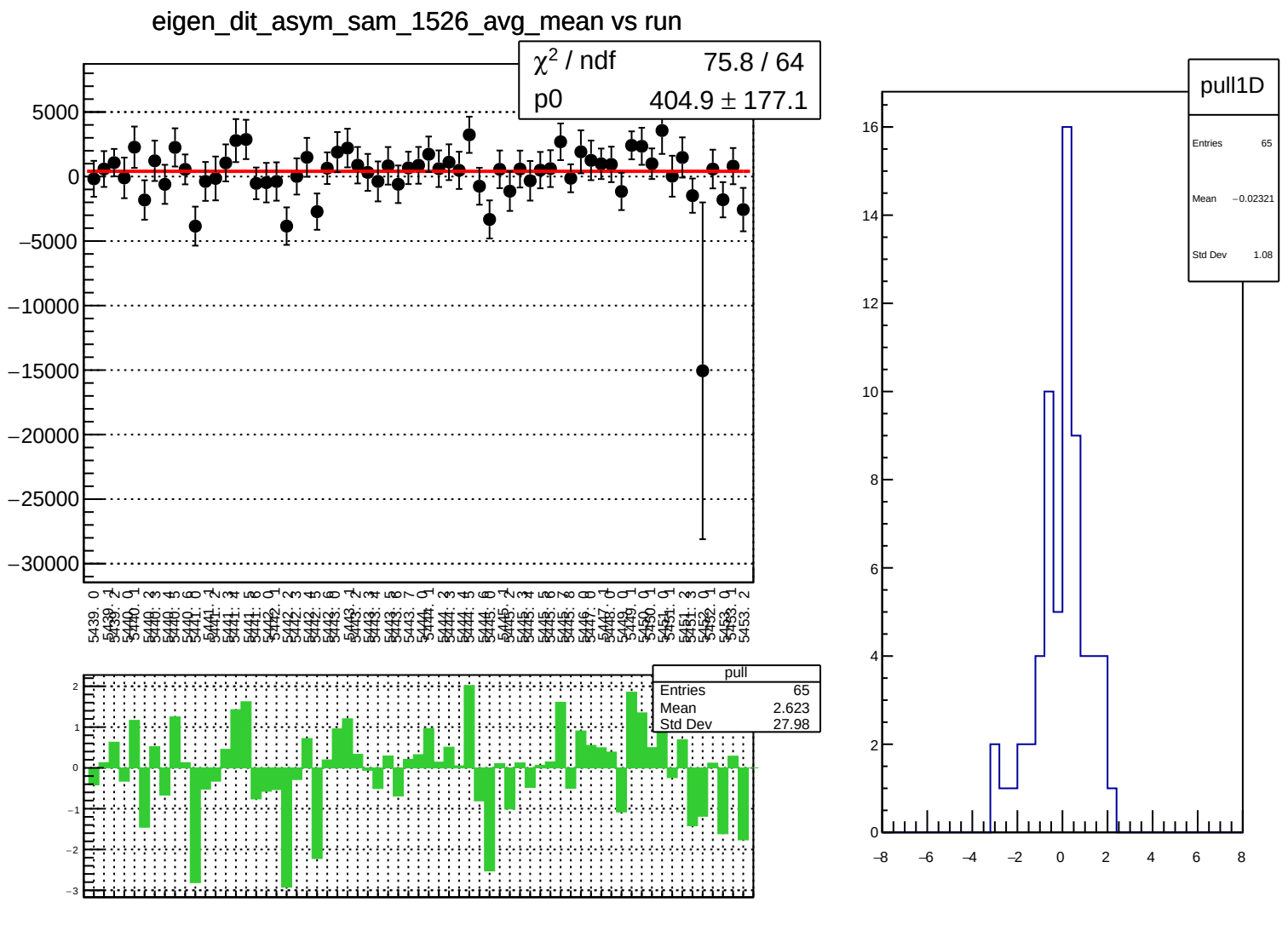

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 75.8 / 64
p0 404.9 ± 177.1
pull
Entries 65
Mean 2.623
Std Dev 27.98
pull1D
Entries 65
Mean −0.02321
Std Dev 1.08

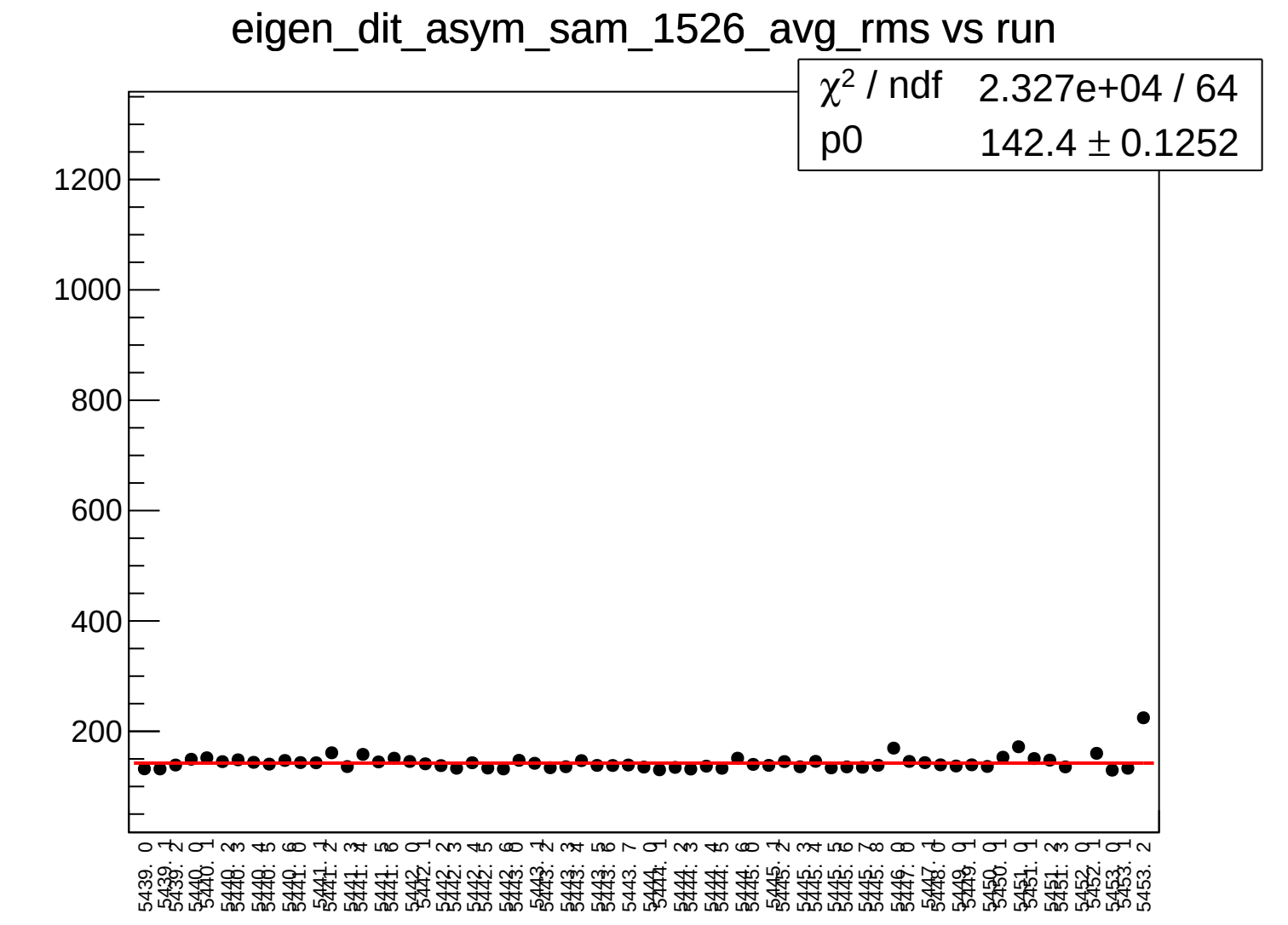

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.327e+04 / 64
p0 142.4 ± 0.1252
1200
1000
800
600
400
200

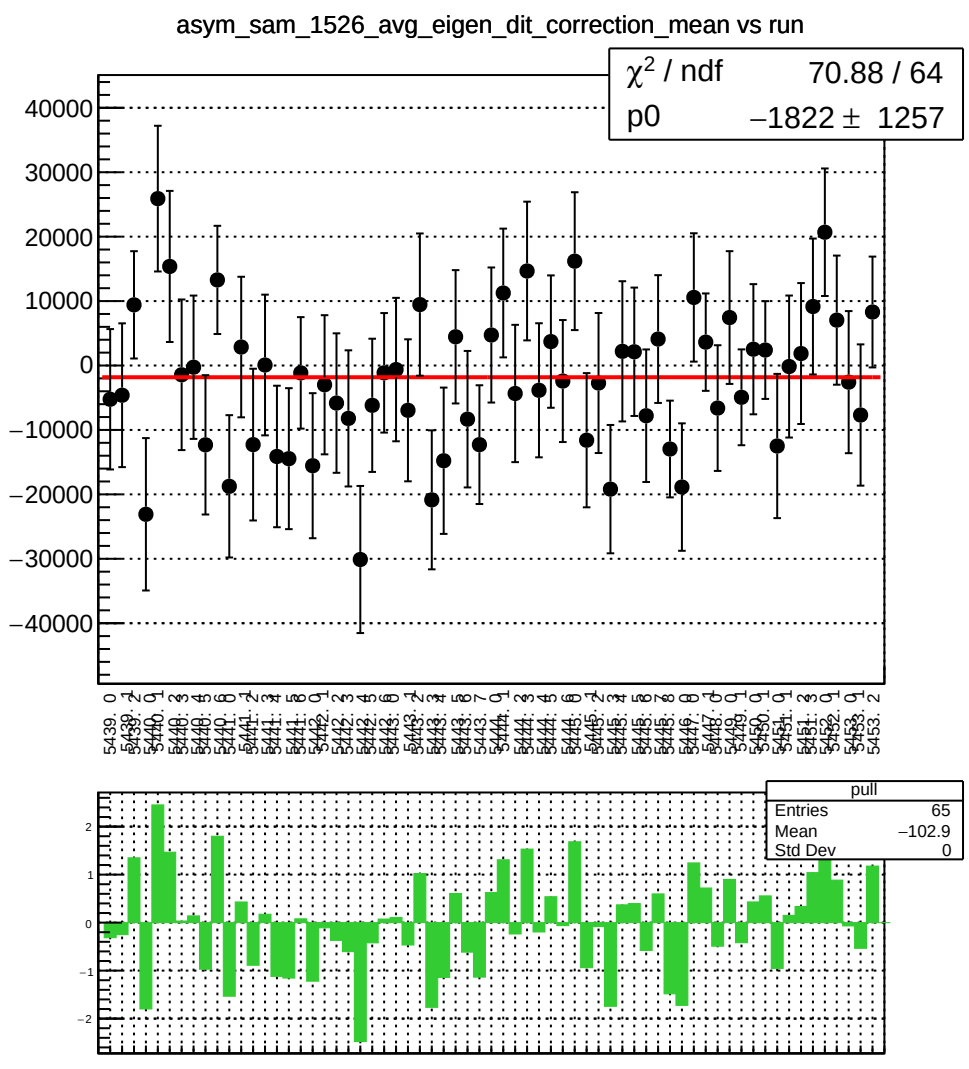

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 70.88 / 64
p0 −1822 ± 1257
pull
Entries 65
Mean −102.9
Std Dev 0

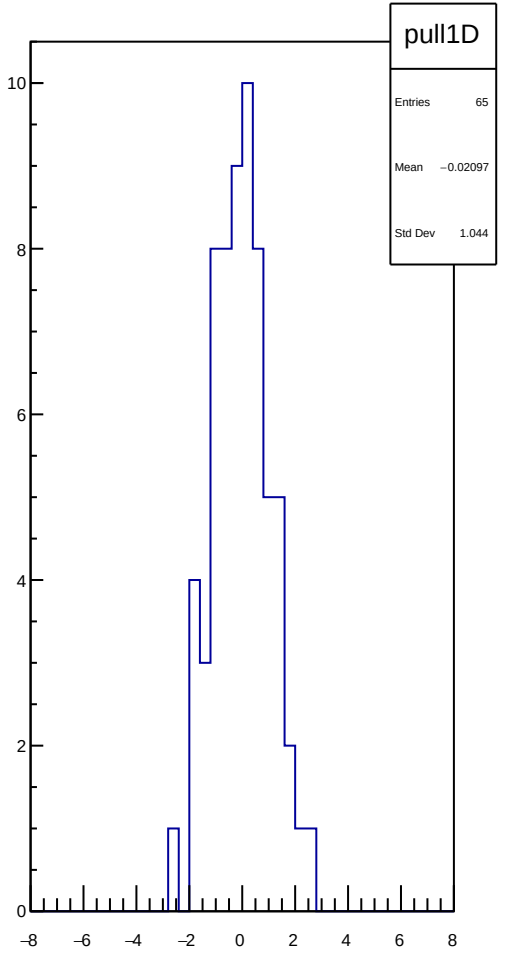

pull1D
Entries 65
Mean −0.02097
Std Dev 1.044

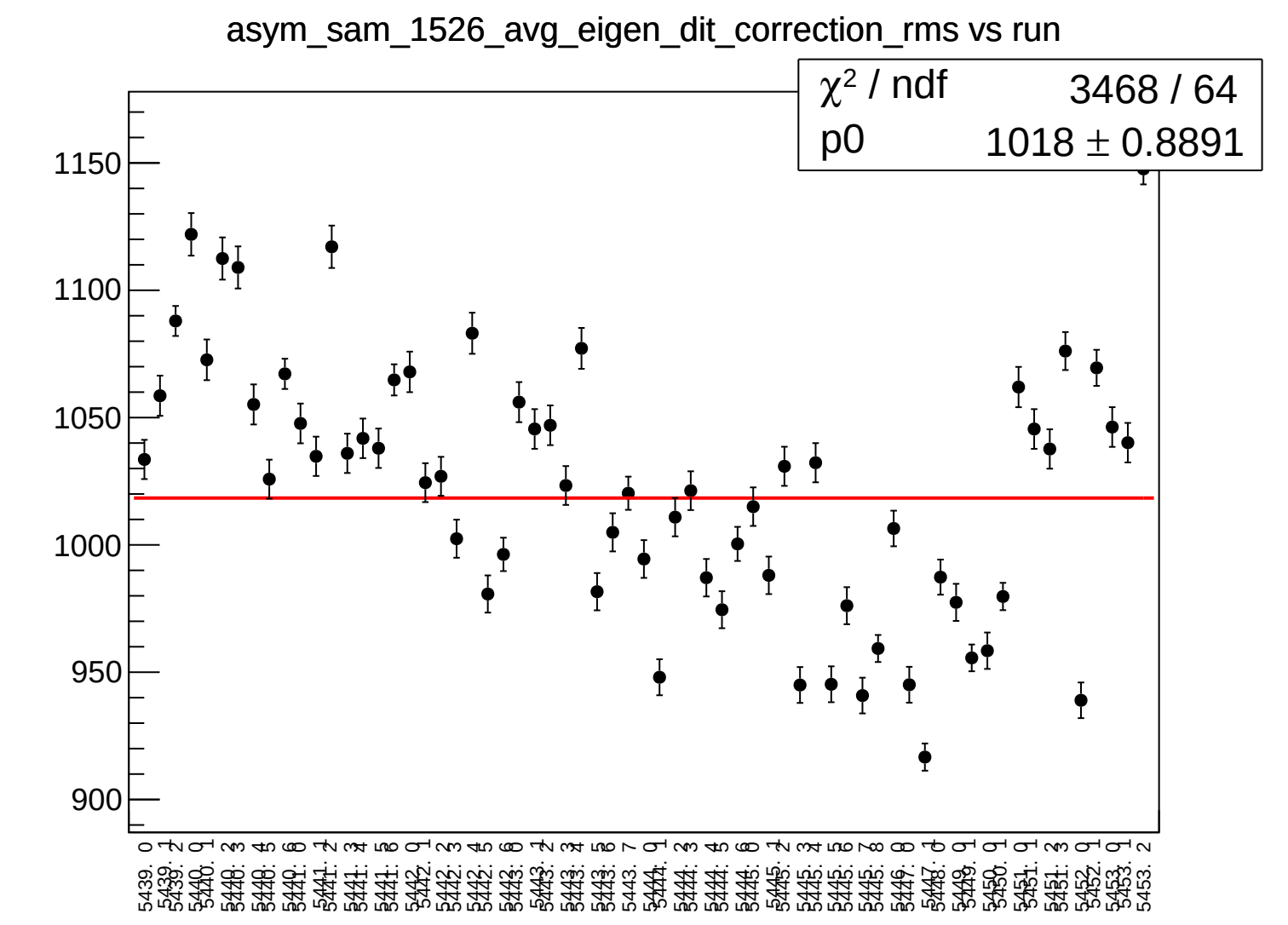

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 3468 / 64
p0 1018 ± 0.8891
1150
1100
1050
1000
950
900
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2

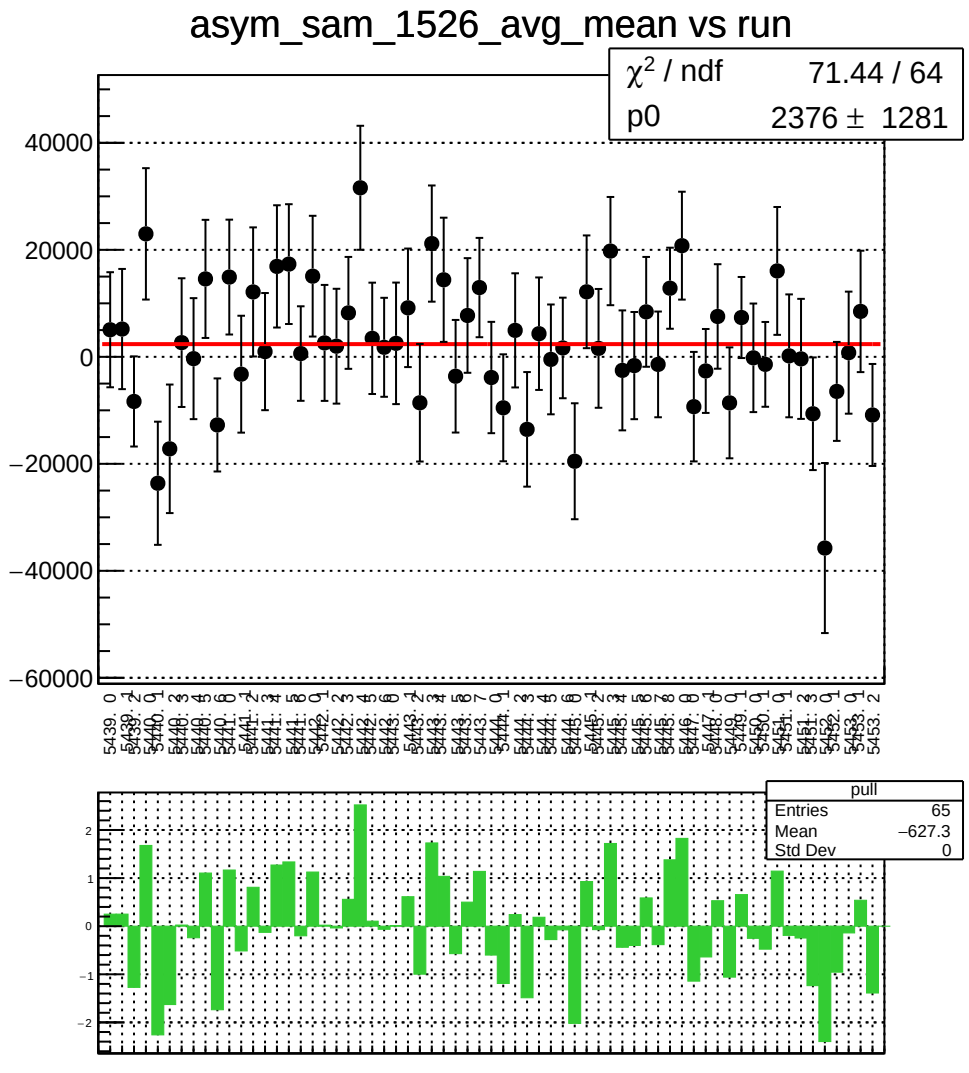

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 75.8 / 64
p0 404.9 ± 177.1
pull
Entries 65
Mean 2.623
Std Dev 27.98
pull1D
Entries 65
Mean −0.02321
Std Dev 1.08

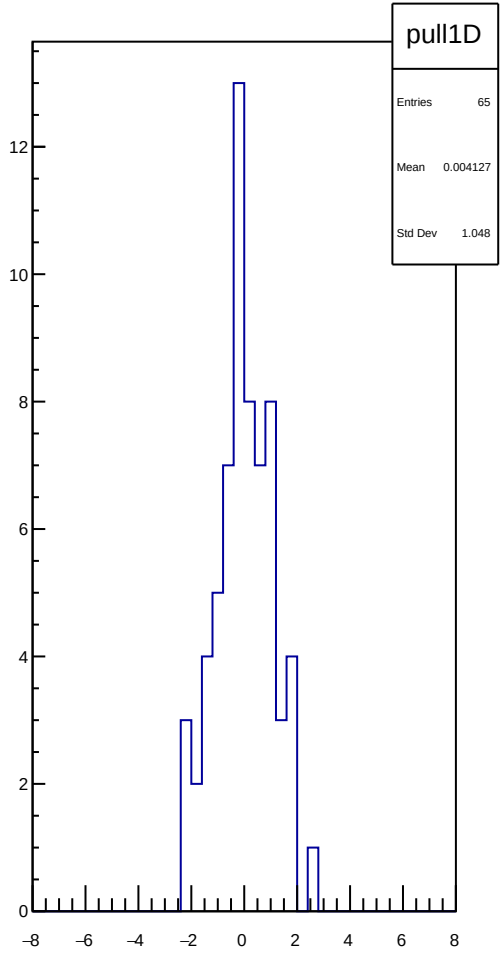

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.327e+04 / 64
p0 142.4 ± 0.1252
1200
1000
800
600
400
200

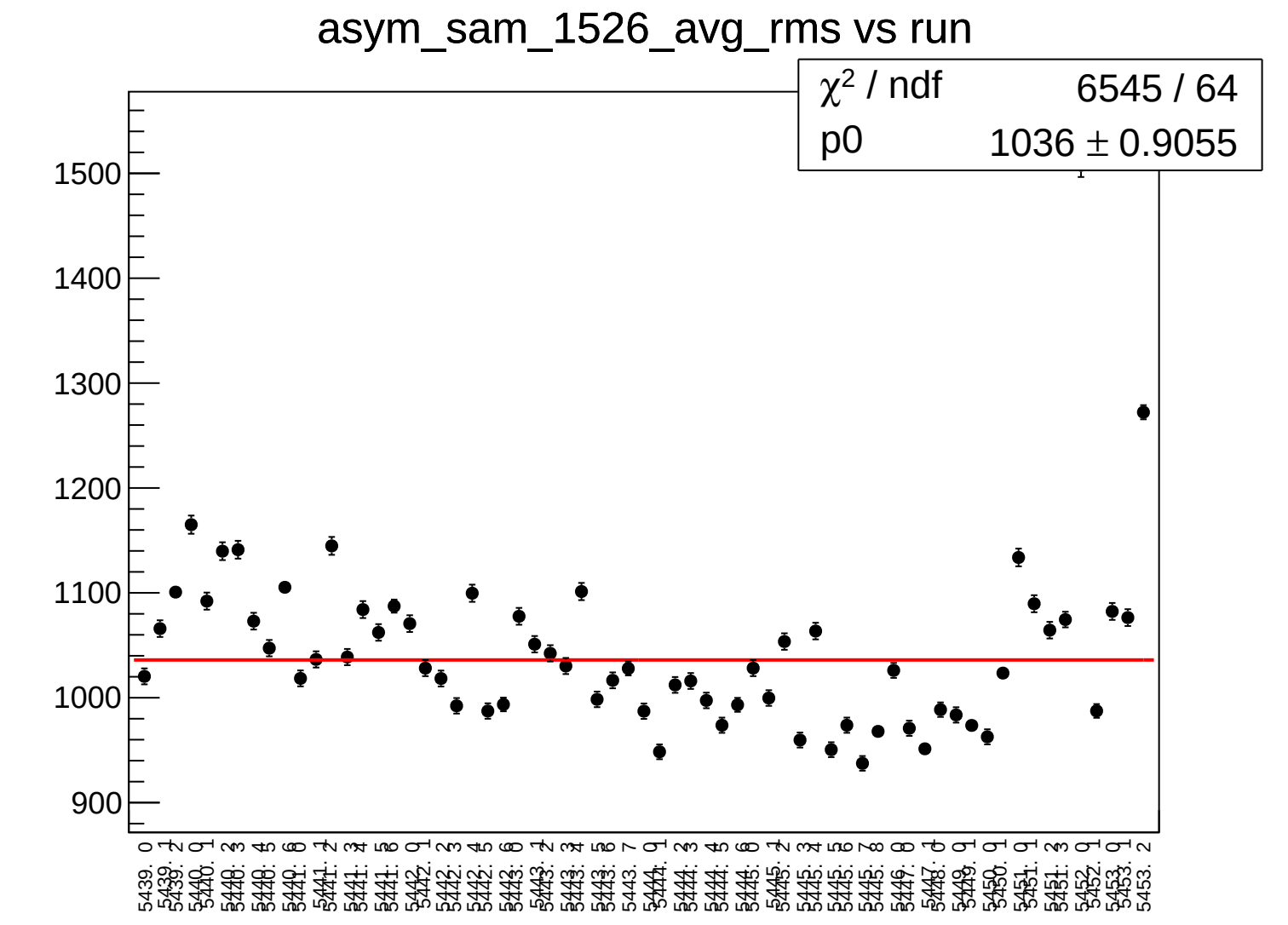

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 70.88 / 64
p0 −1822 ± 1257
pull
Entries 65
Mean −102.9
Std Dev 0

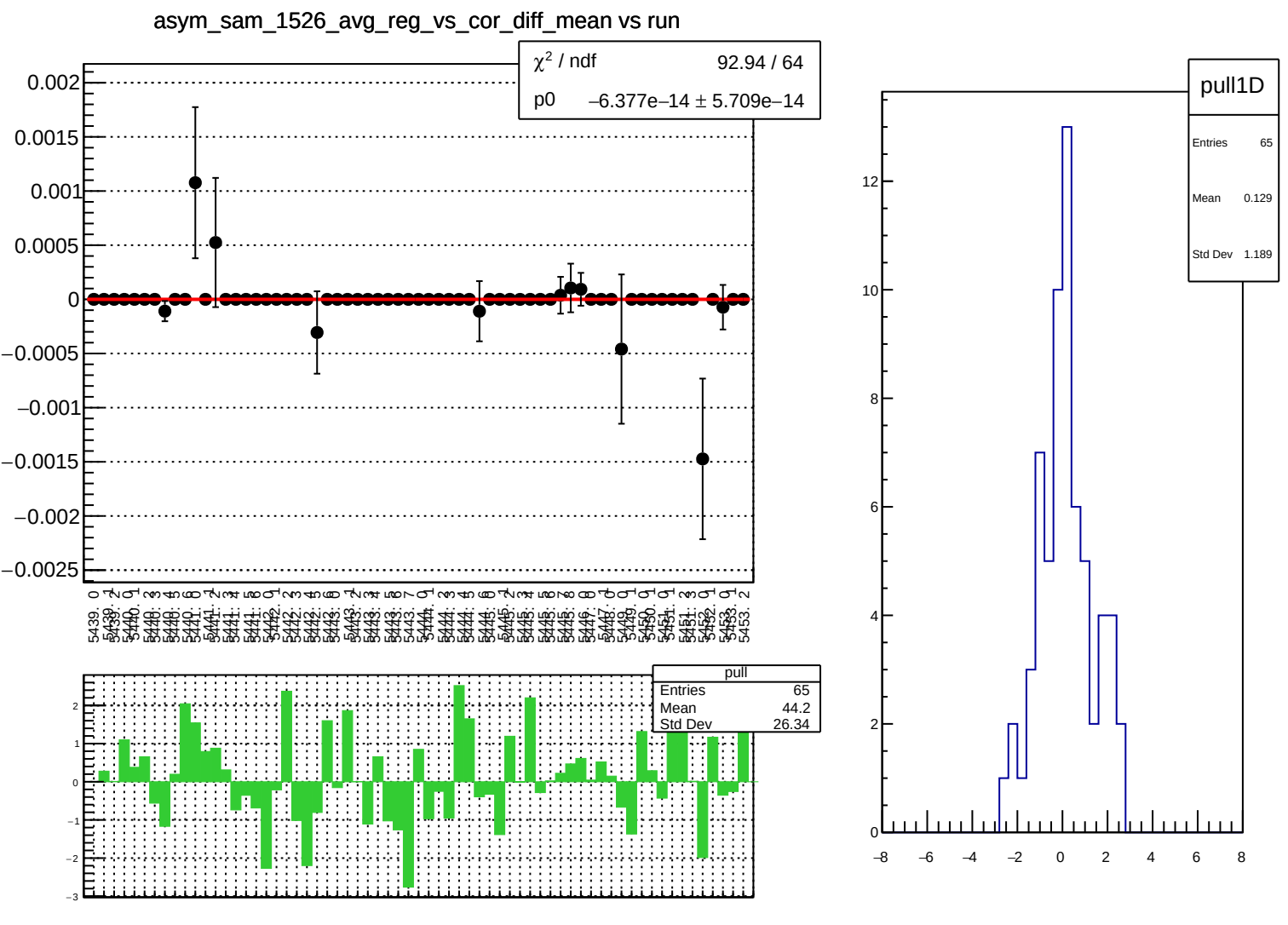

pull1D
Entries 65
Mean −0.02097
Std Dev 1.044

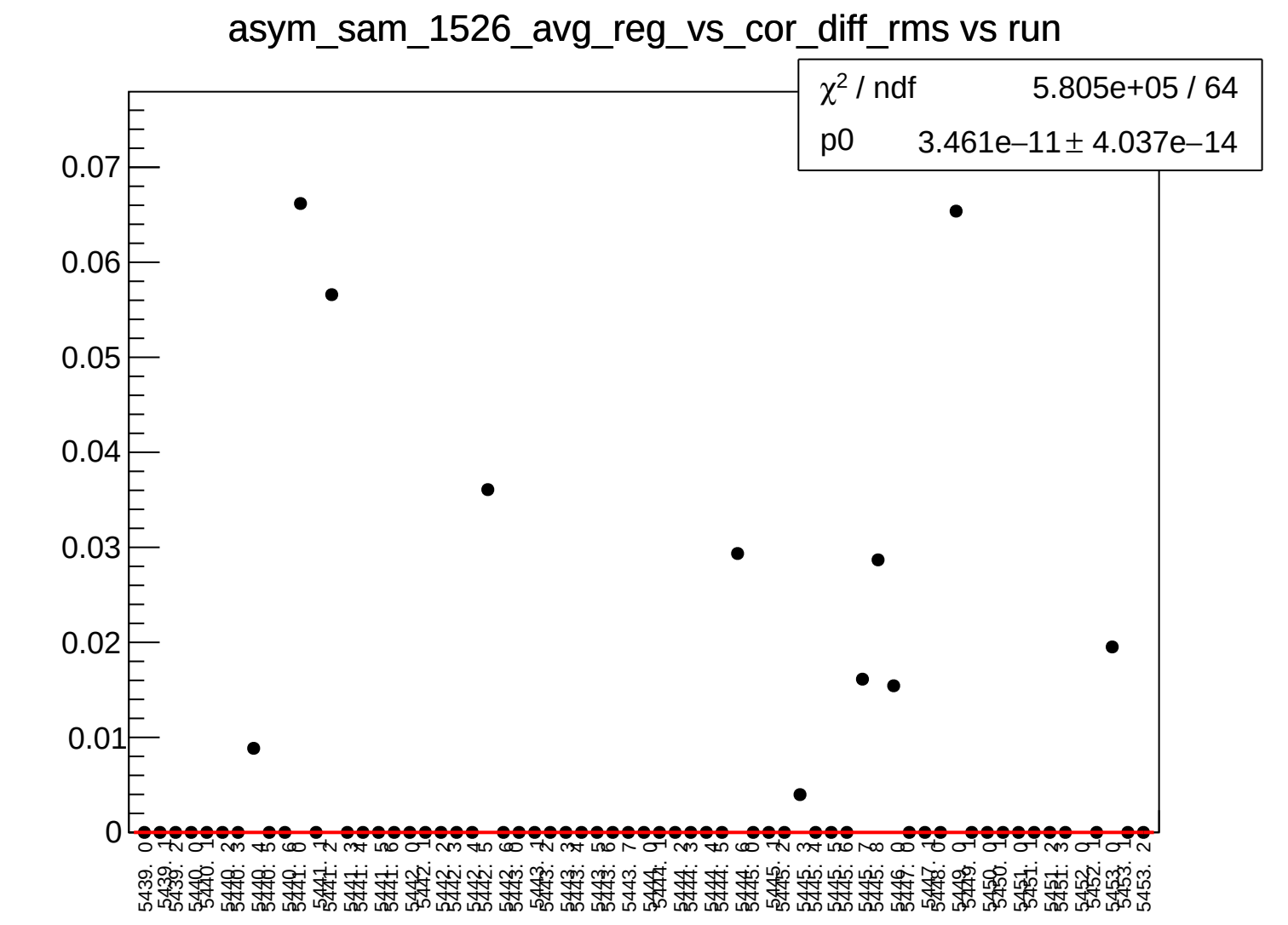

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 3468 / 64
p0 1018 ± 0.8891
1150
1100
1050
1000
950
900

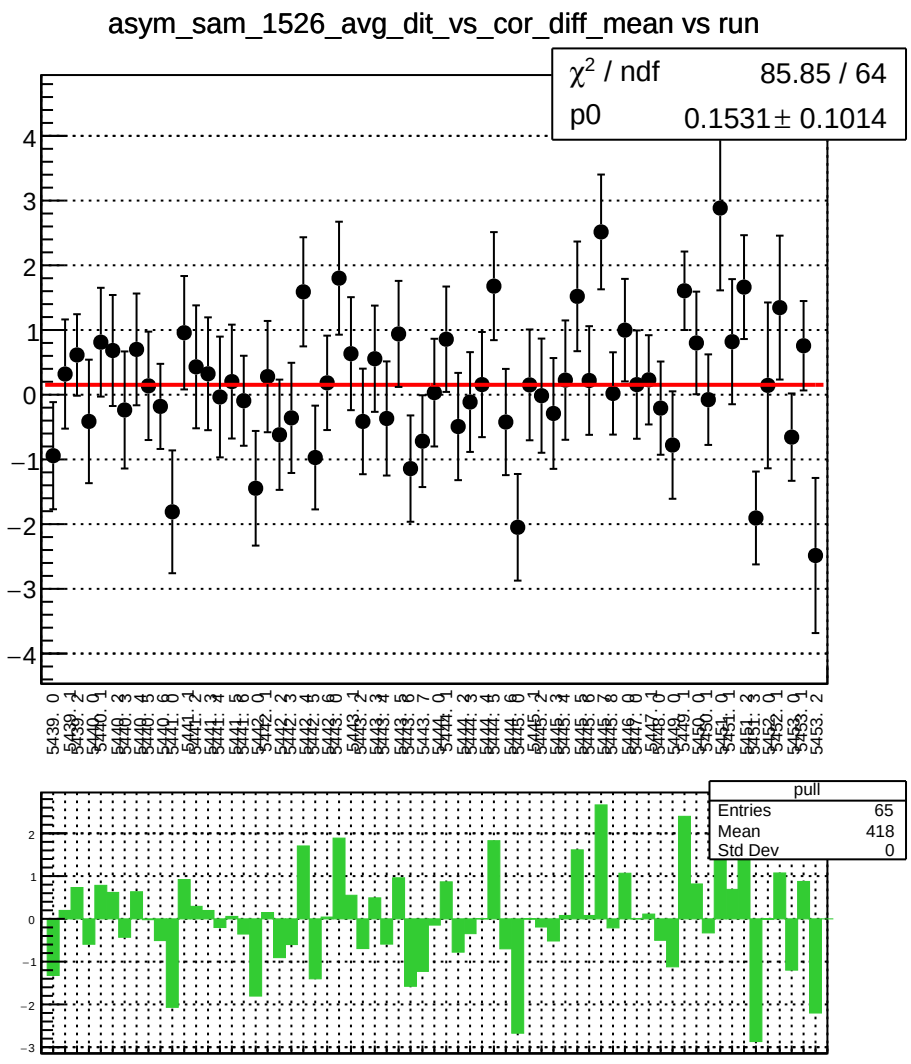

asym_sam_1526_avg_mean vs run
χ² / ndf 71.44 / 64
p0 2376 ± 1281
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −627.3
Std Dev 0
2
1
0
−1
−2

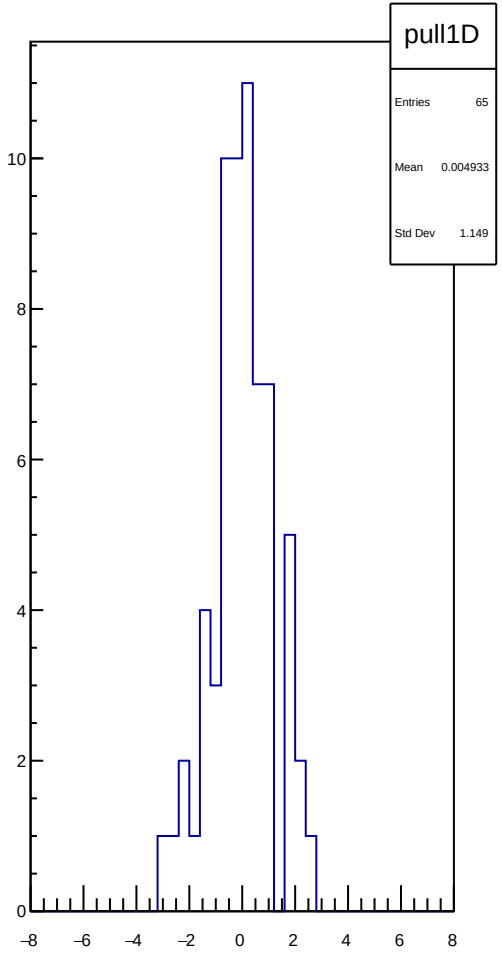

pull1D
Entries 65
Mean 0.004127
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

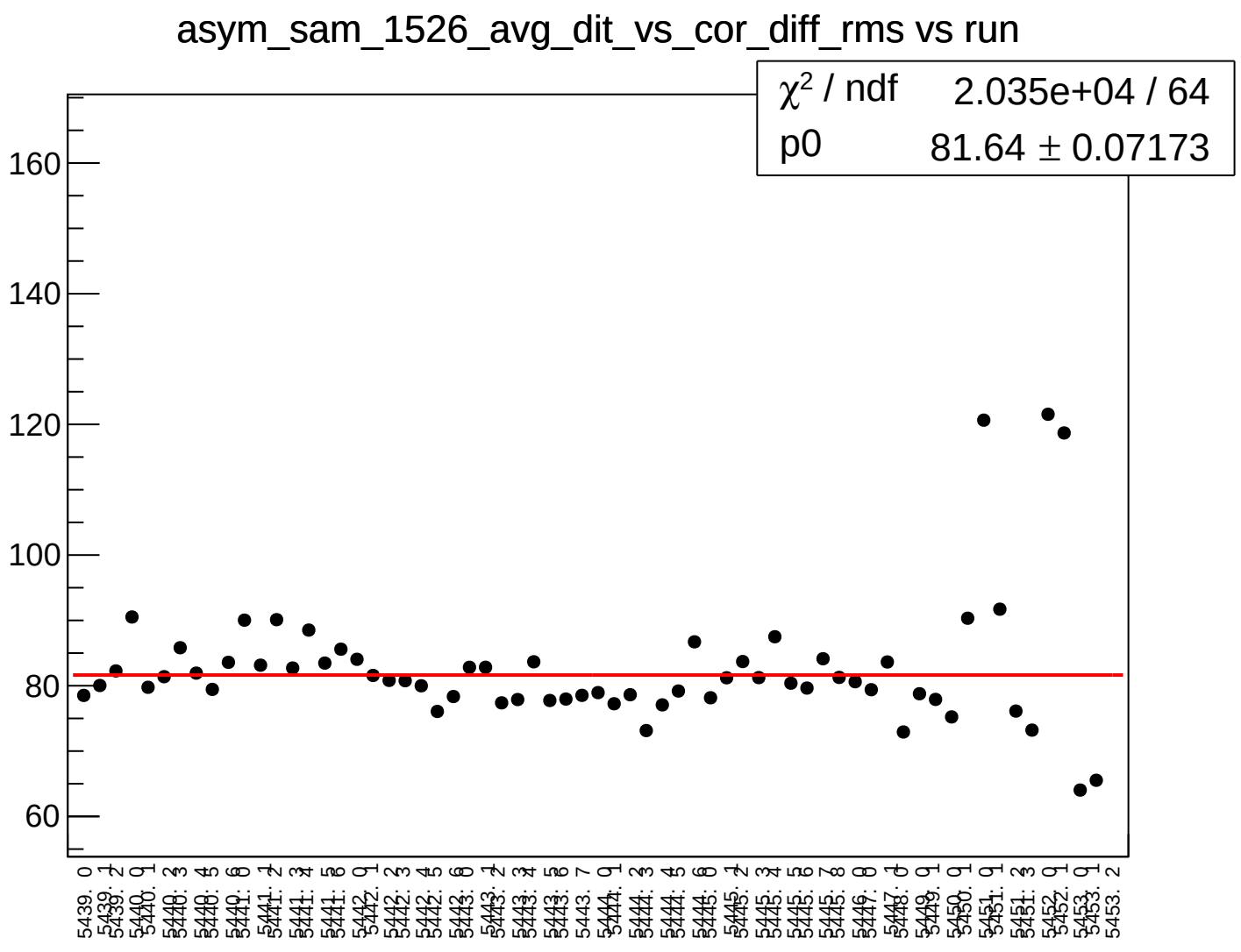

asym_sam_1526_avg_rms vs run
χ² / ndf 6545 / 64
p0 1036 ± 0.9055
1500
1400
1300
1200
1100
1000
900

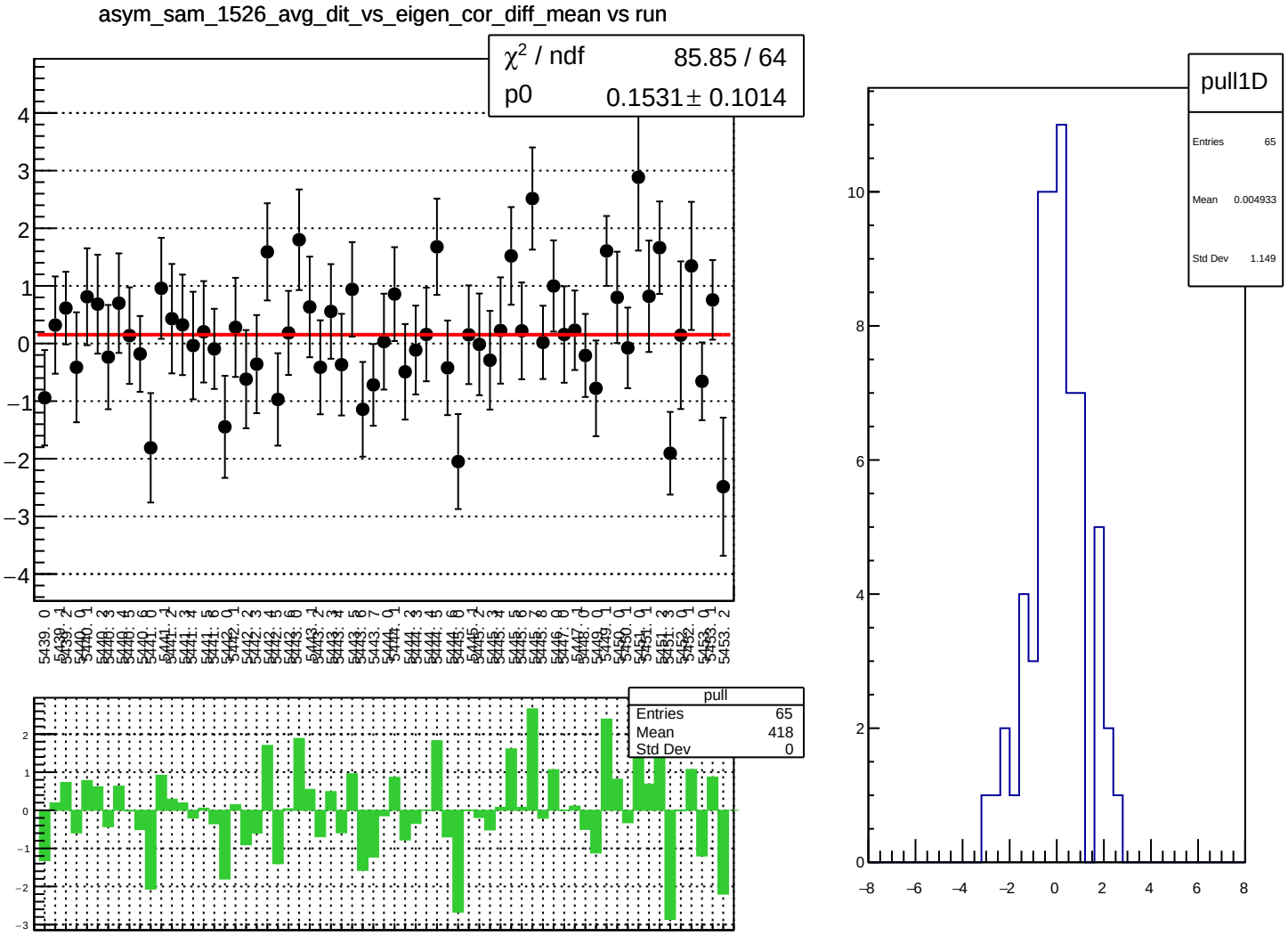

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.94 / 64
p0 −6.377e−14 ± 5.709e−14
pull
Entries 65
Mean 44.2
Std Dev 26.34
pull1D
Entries 65
Mean 0.129
Std Dev 1.189

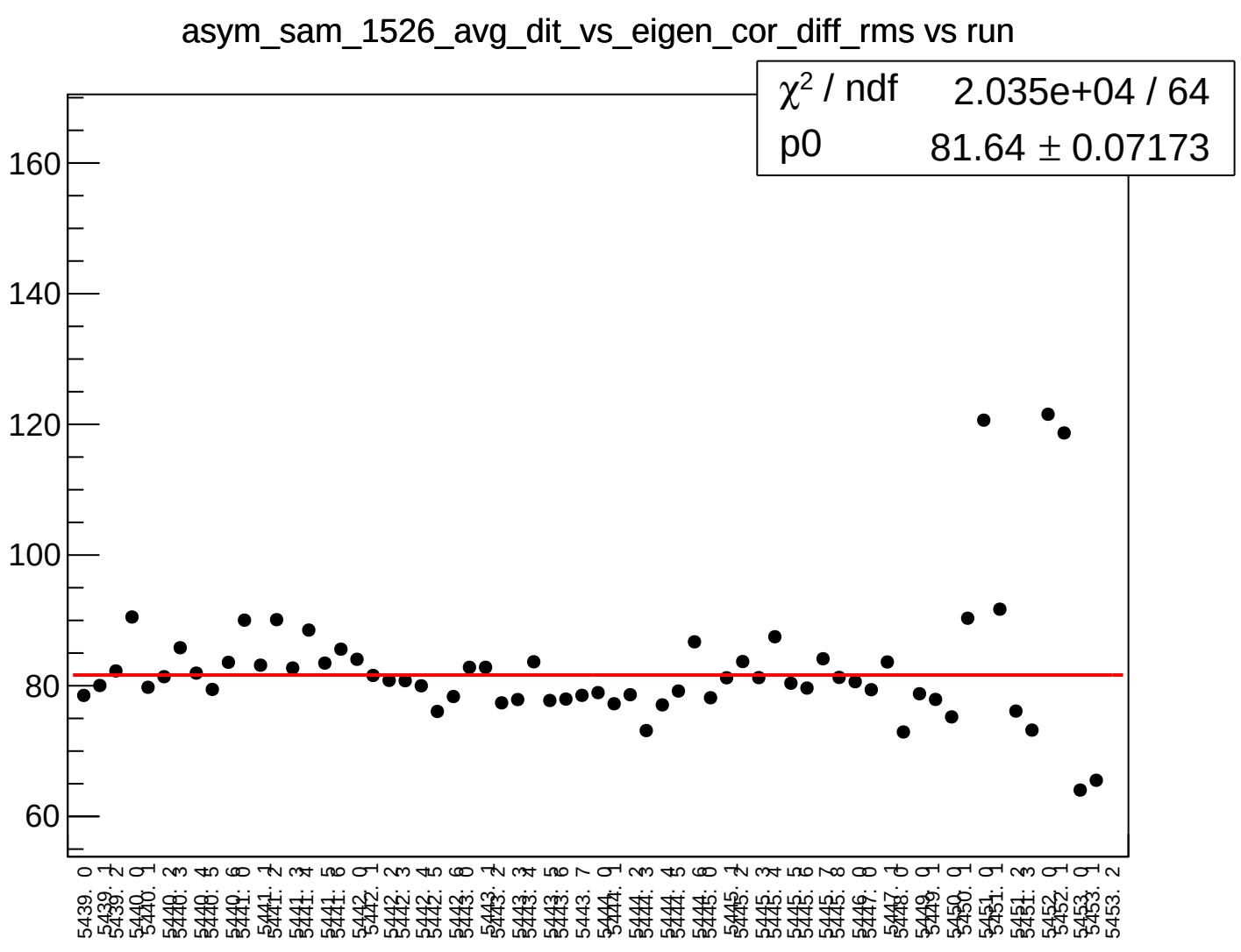

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.805e+05 / 64
p0 3.461e−11 ± 4.037e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

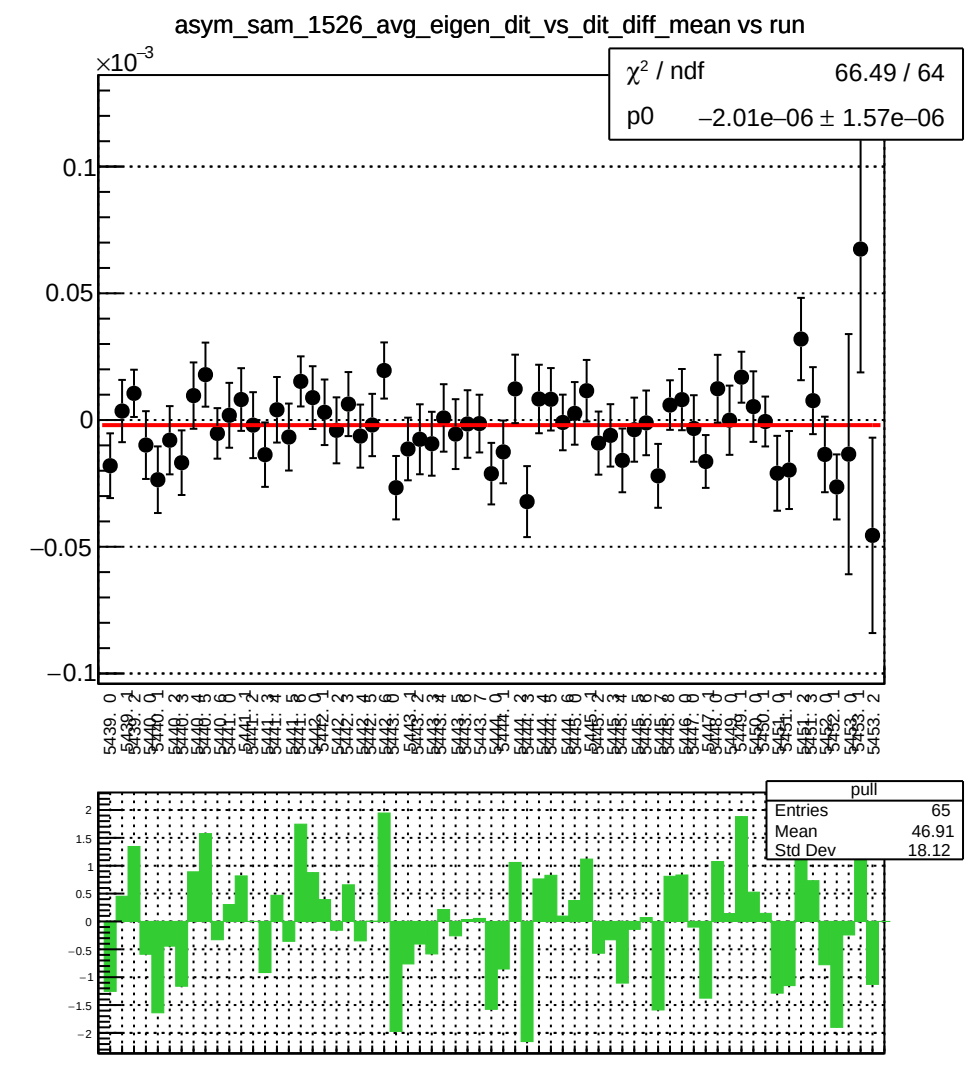

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.85 / 64
p0 0.1531 ± 0.1014
pull
Entries 65
Mean 418
Std Dev 0

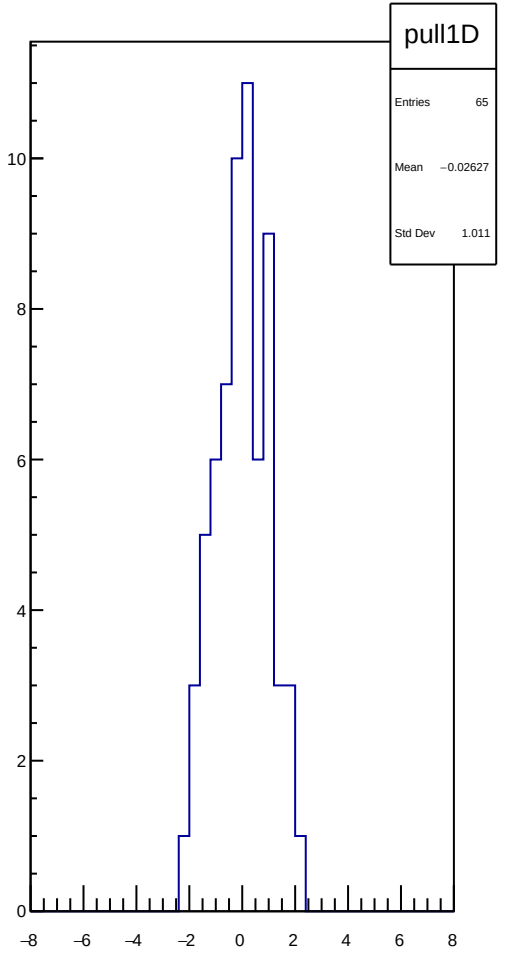

pull1D
Entries 65
Mean 0.004933
Std Dev 1.149

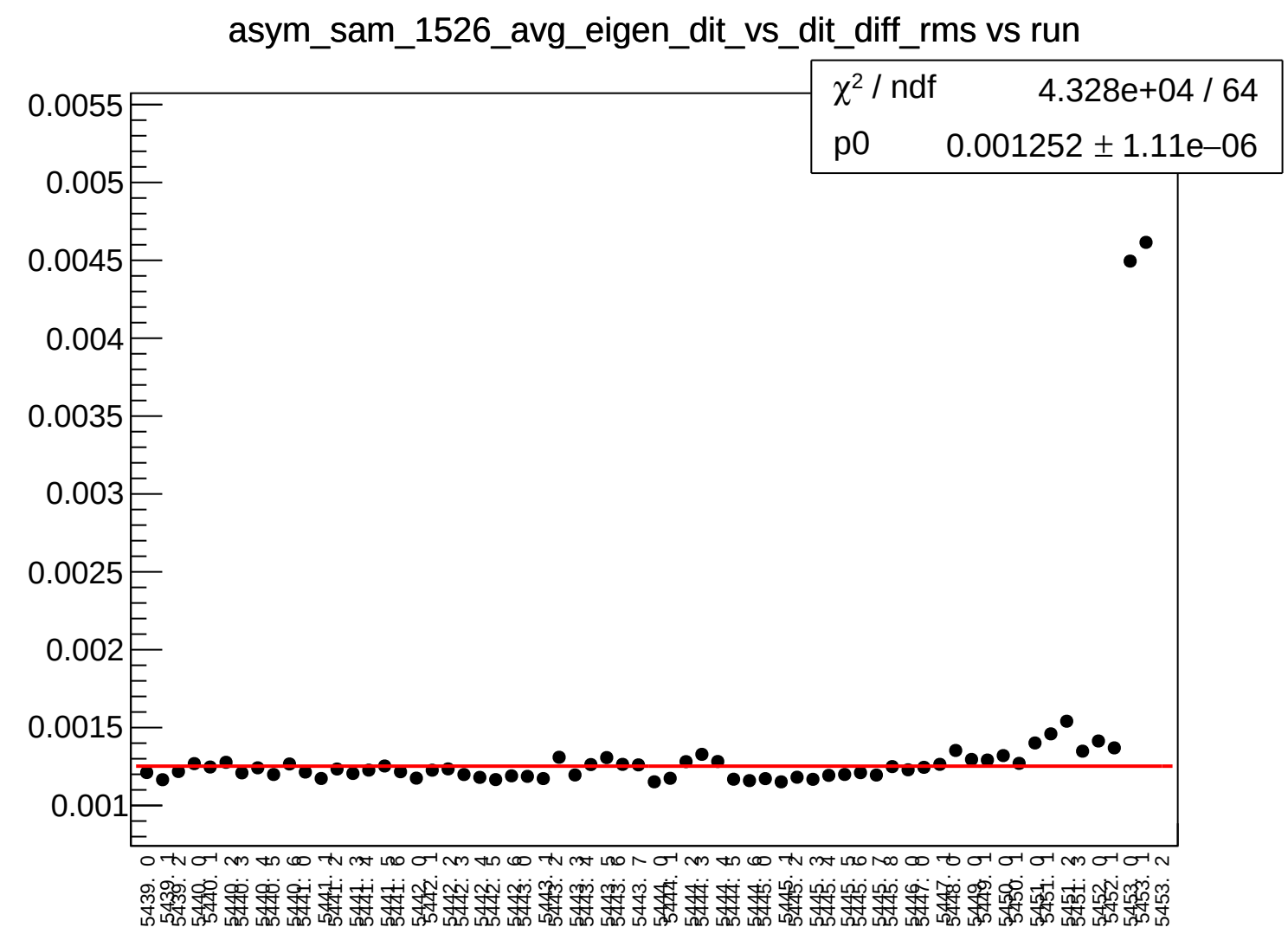

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.035e+04 / 64
p0 81.64 ± 0.07173
160
140
120
100
80
60


asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.85 / 64
p0 0.1531 ± 0.1014
pull
Entries 65
Mean 418
Std Dev 0
pull1D
Entries 65
Mean 0.004933
Std Dev 1.149

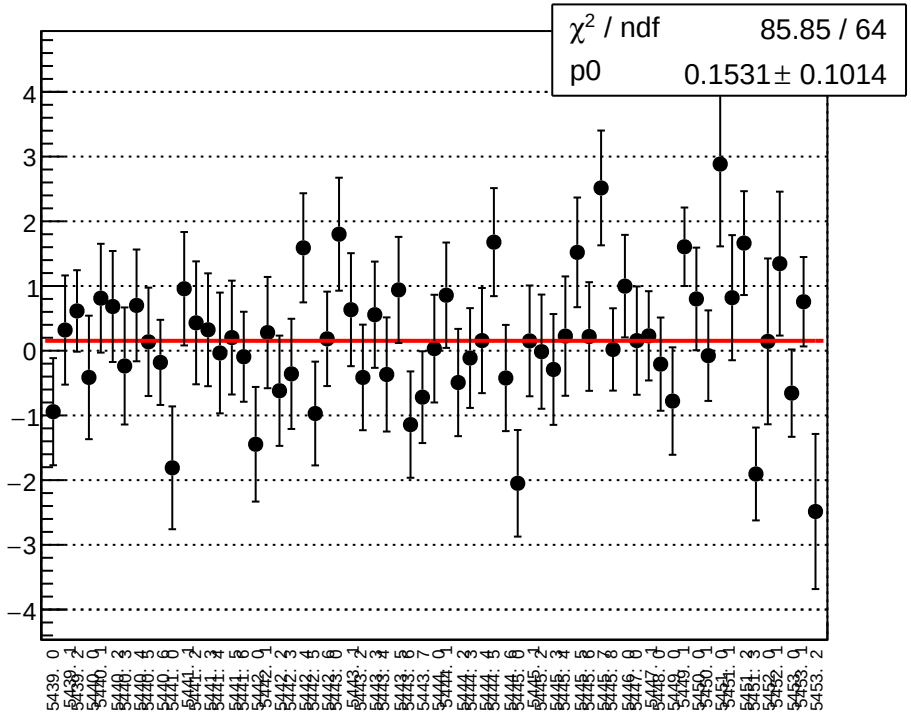

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.035e+04 / 64
p0 81.64 ± 0.07173
160
140
120
100
80
60

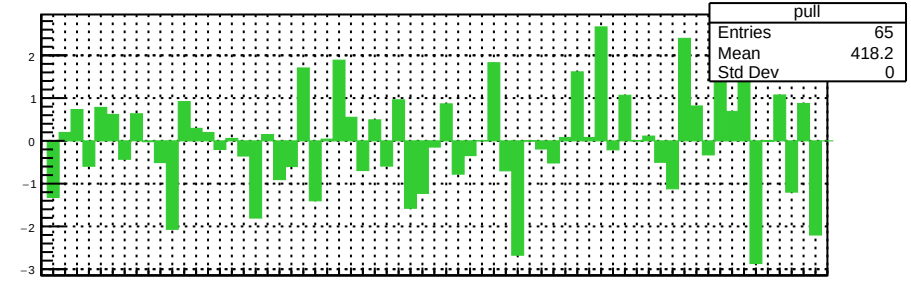

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.49 / 64
p0 −2.01e−06 ± 1.57e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 65
Mean 46.91
Std Dev 18.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

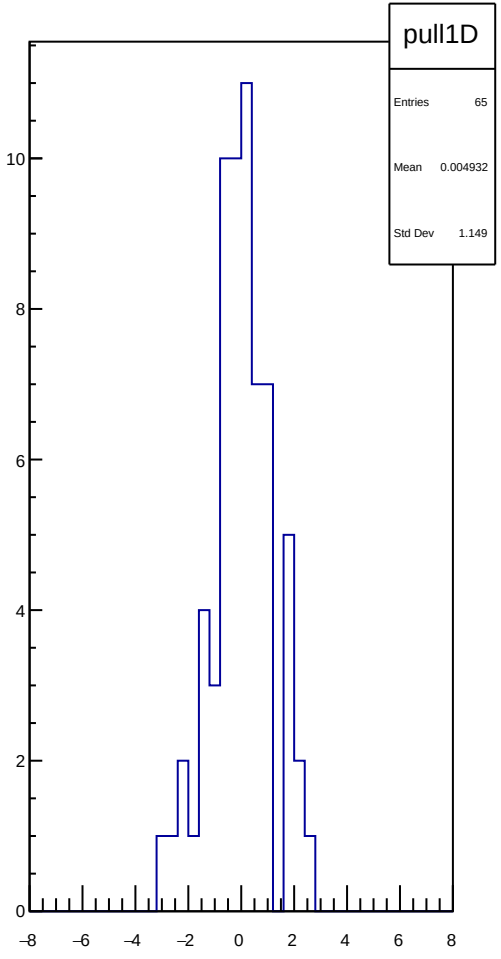

pull1D
Entries 65
Mean −0.02627
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

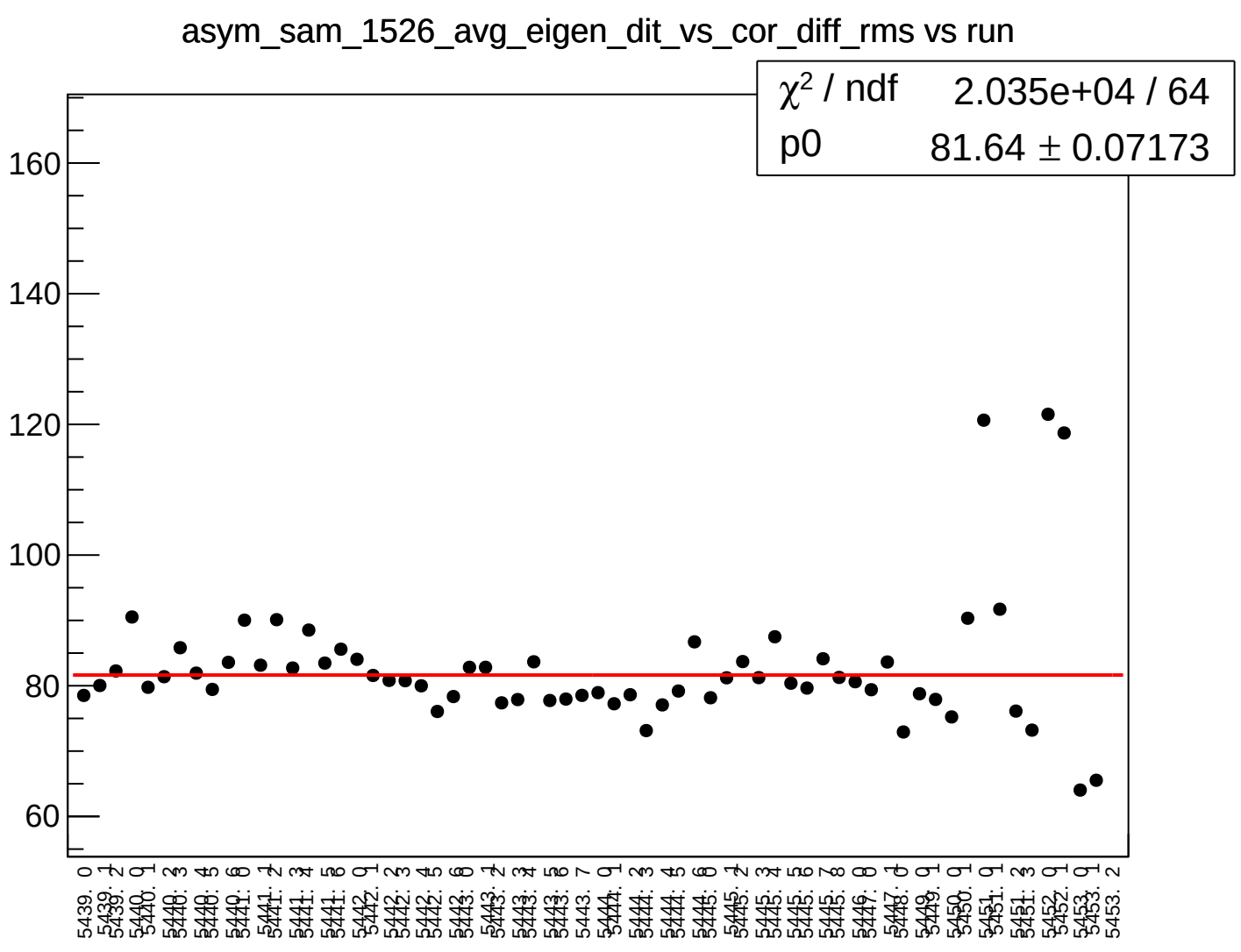

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.328e+04 / 64
p0 0.001252 ± 1.11e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run

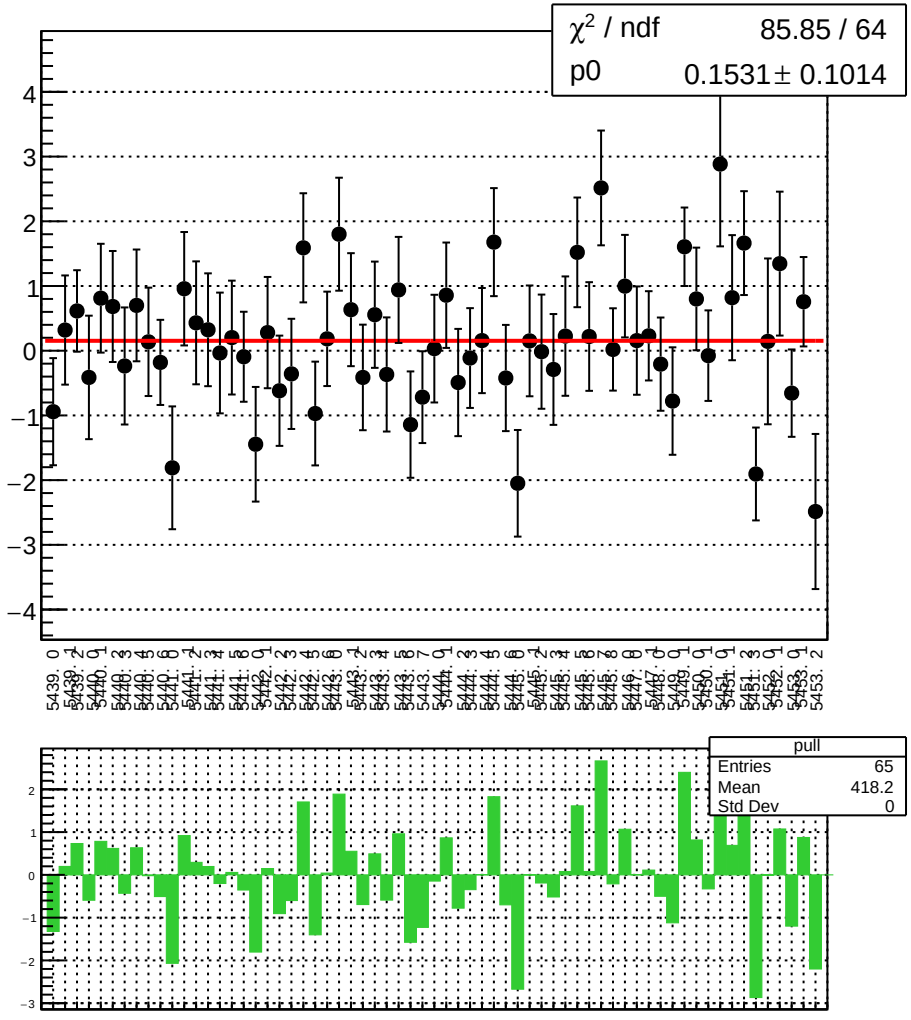


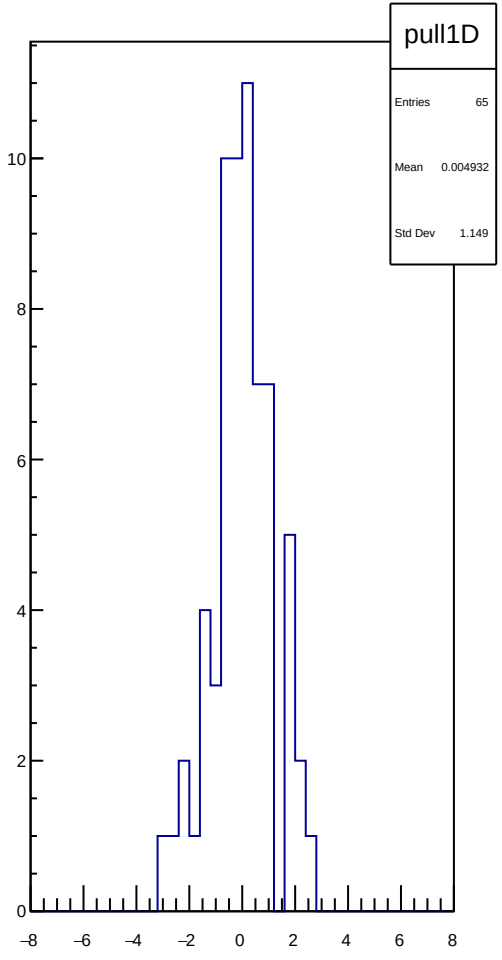


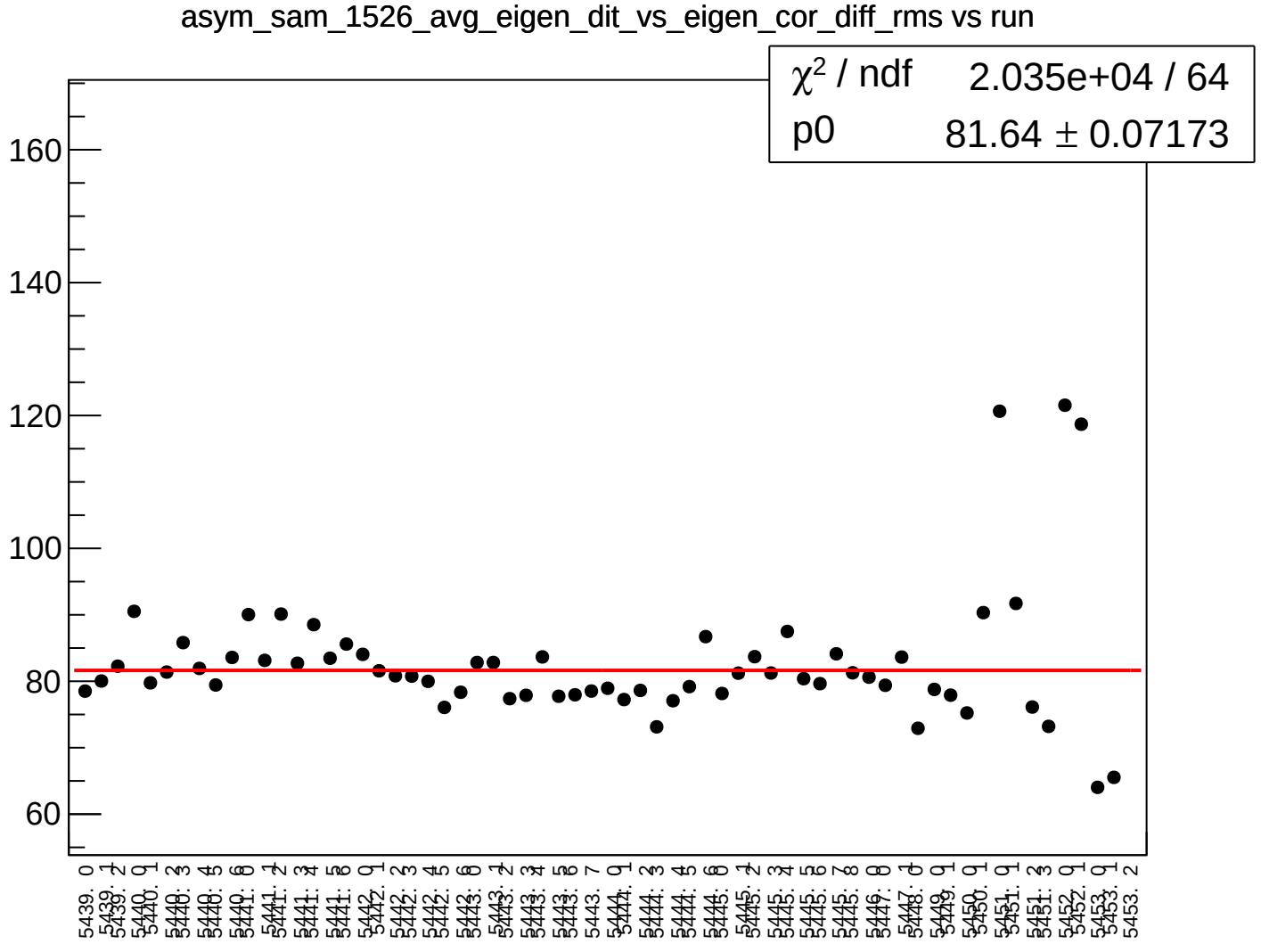


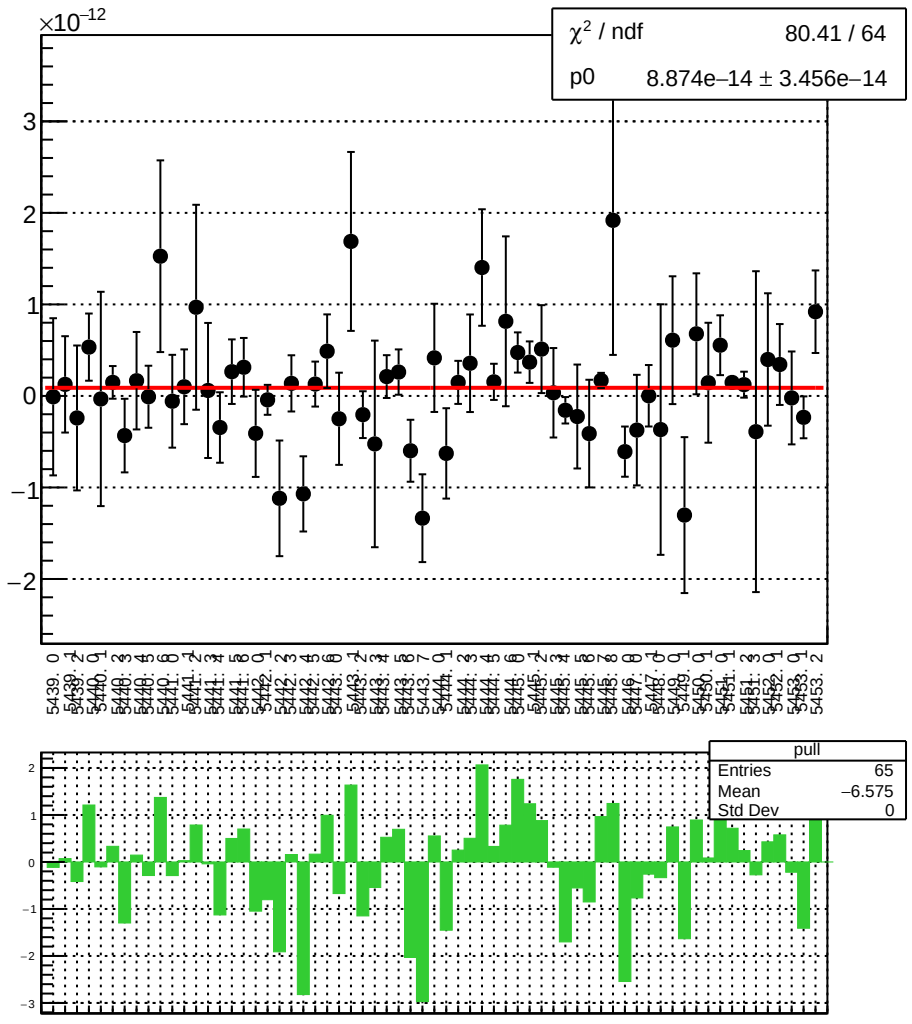

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.035e+04 / 64
p0 81.64 ± 0.07173
160
140
120
100
80
60

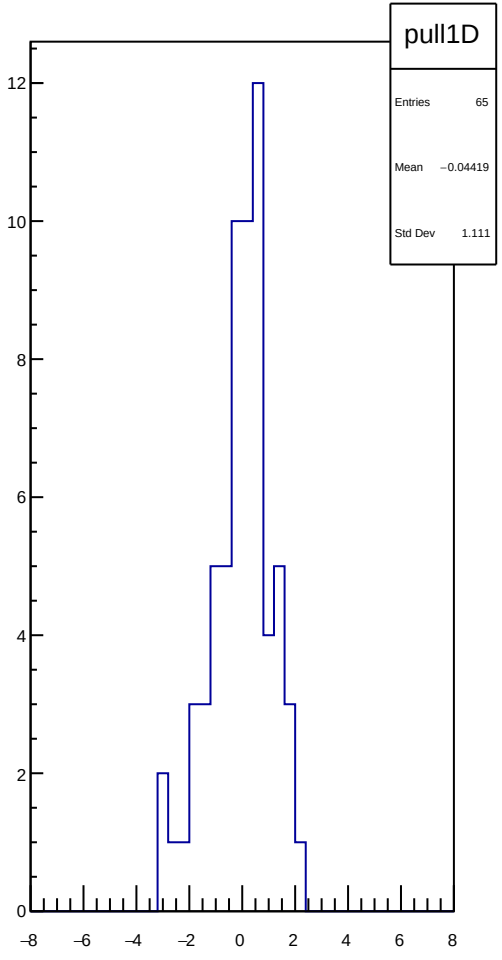
asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

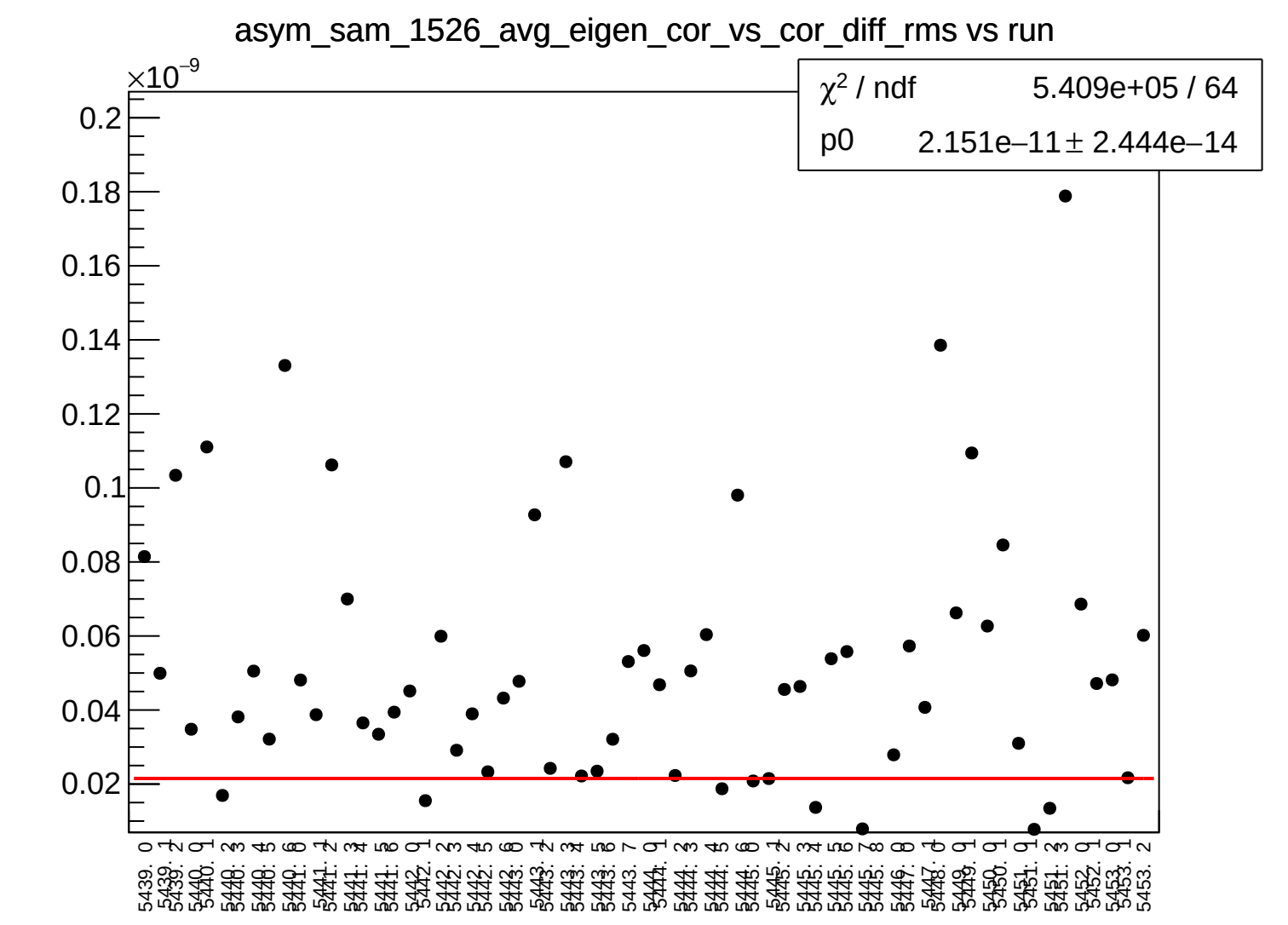


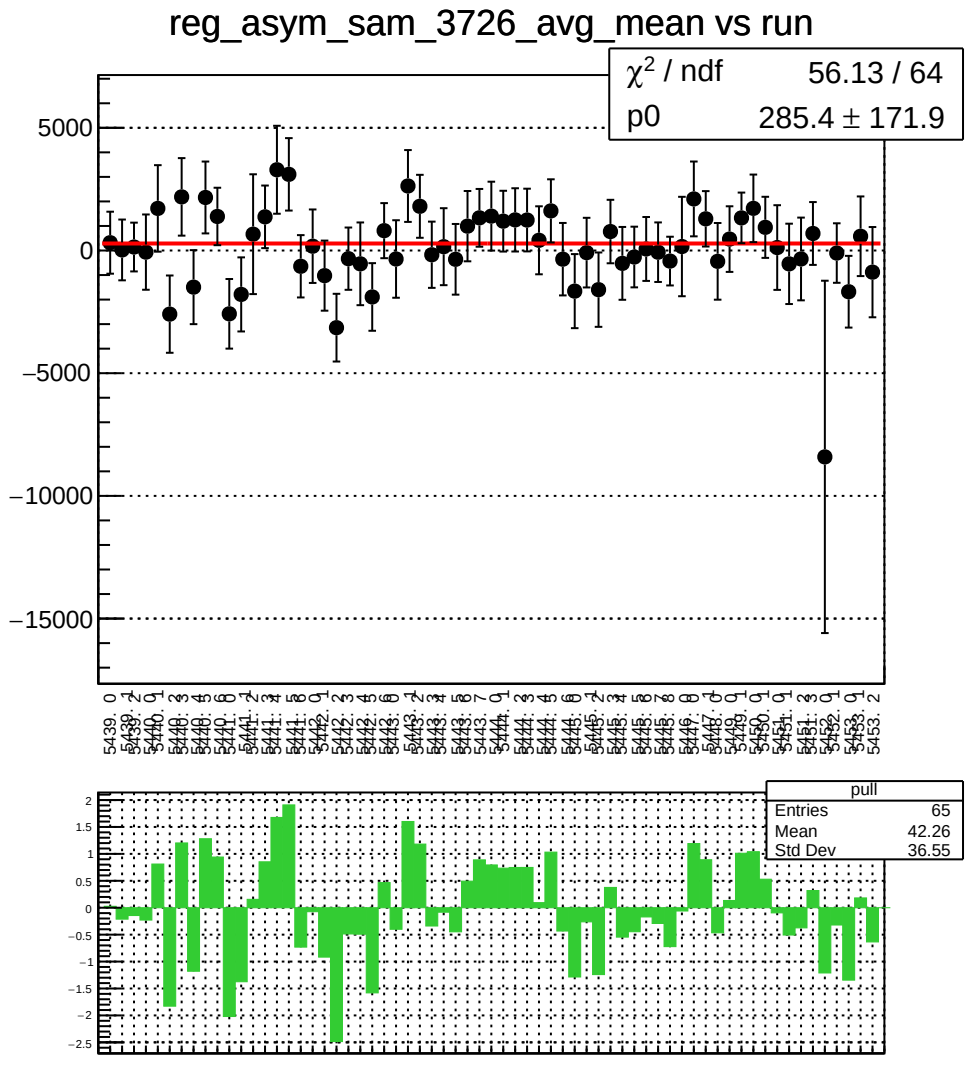


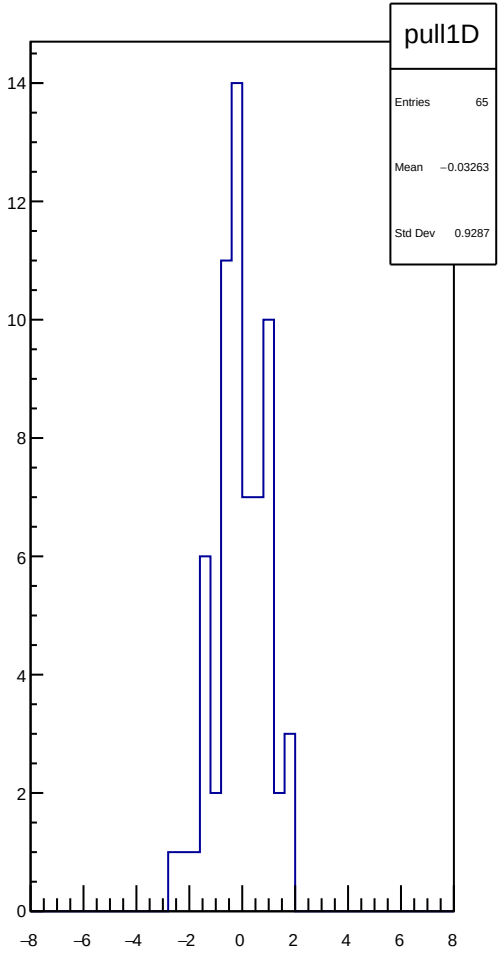

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.035e+04 / 64
p0 81.64 ± 0.07173
160
140
120
100
80
60

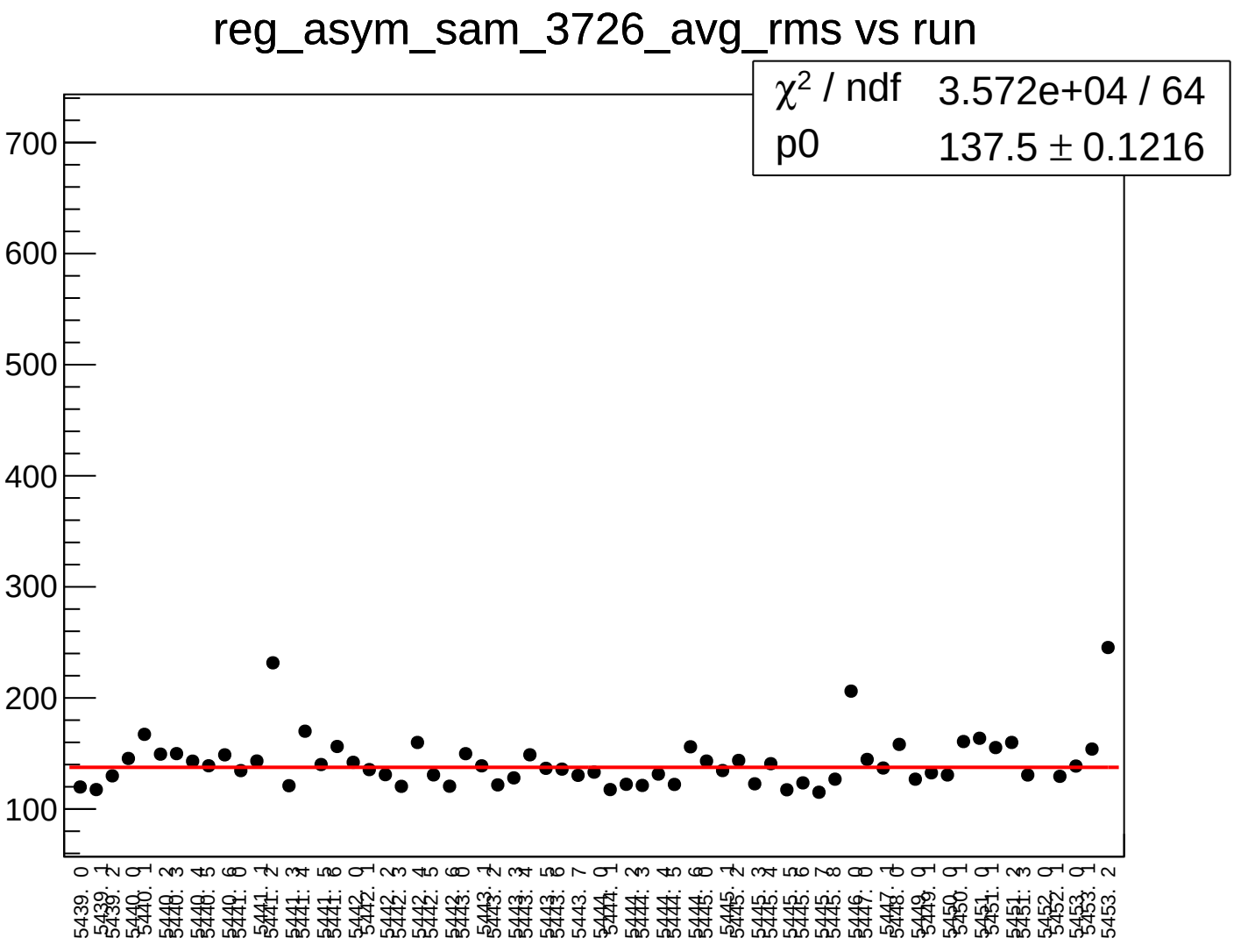

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.41 / 64
p0 8.874e−14 ± 3.456e−14
pull
Entries 65
Mean −6.575
Std Dev 0

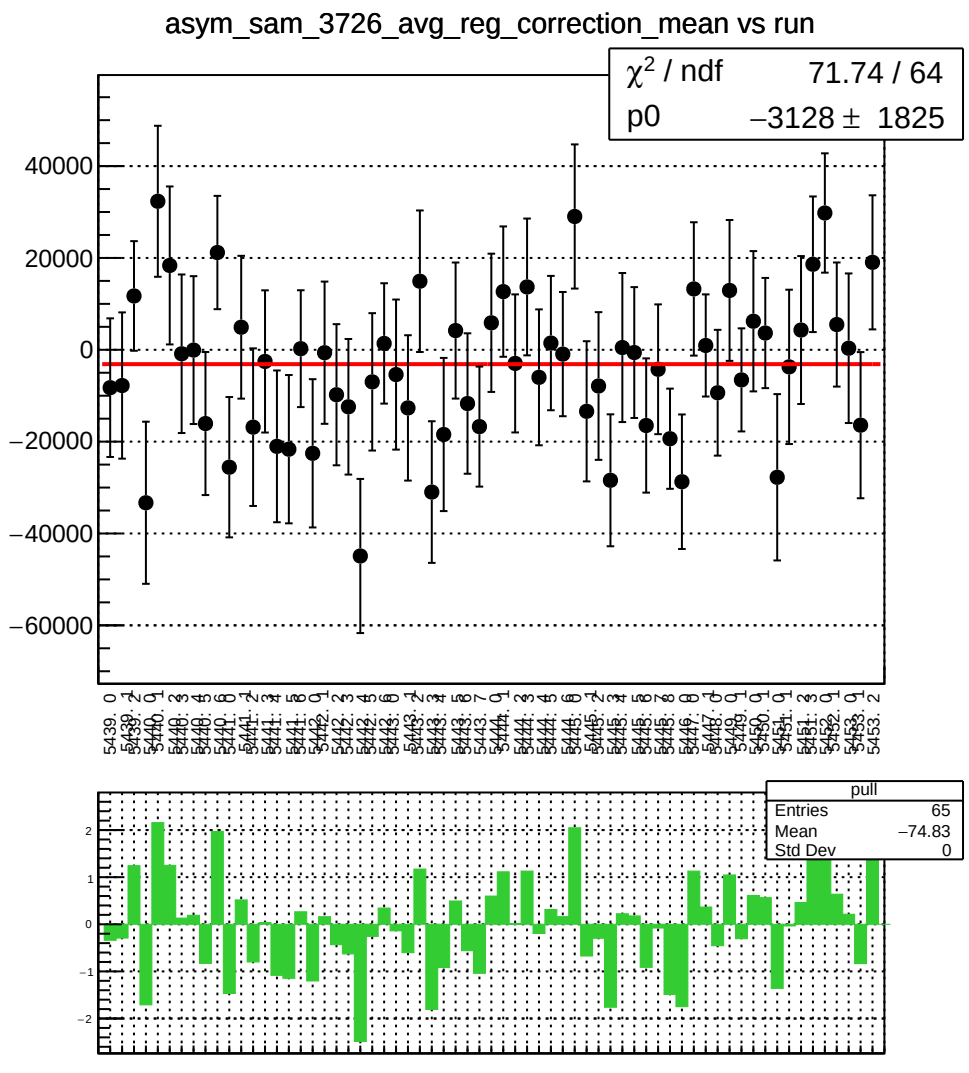

pull1D
Entries 65
Mean −0.04419
Std Dev 1.111

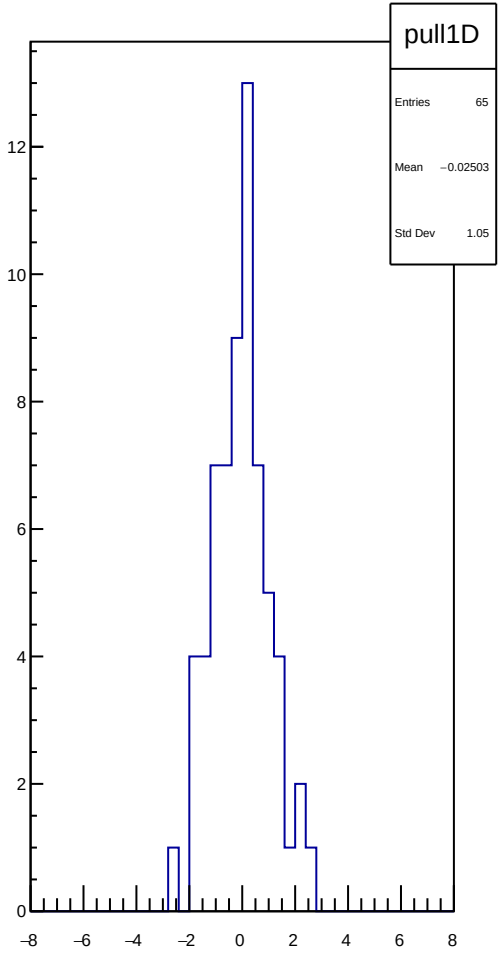

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.409e+05 / 64
p0 2.151e−11 ± 2.444e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

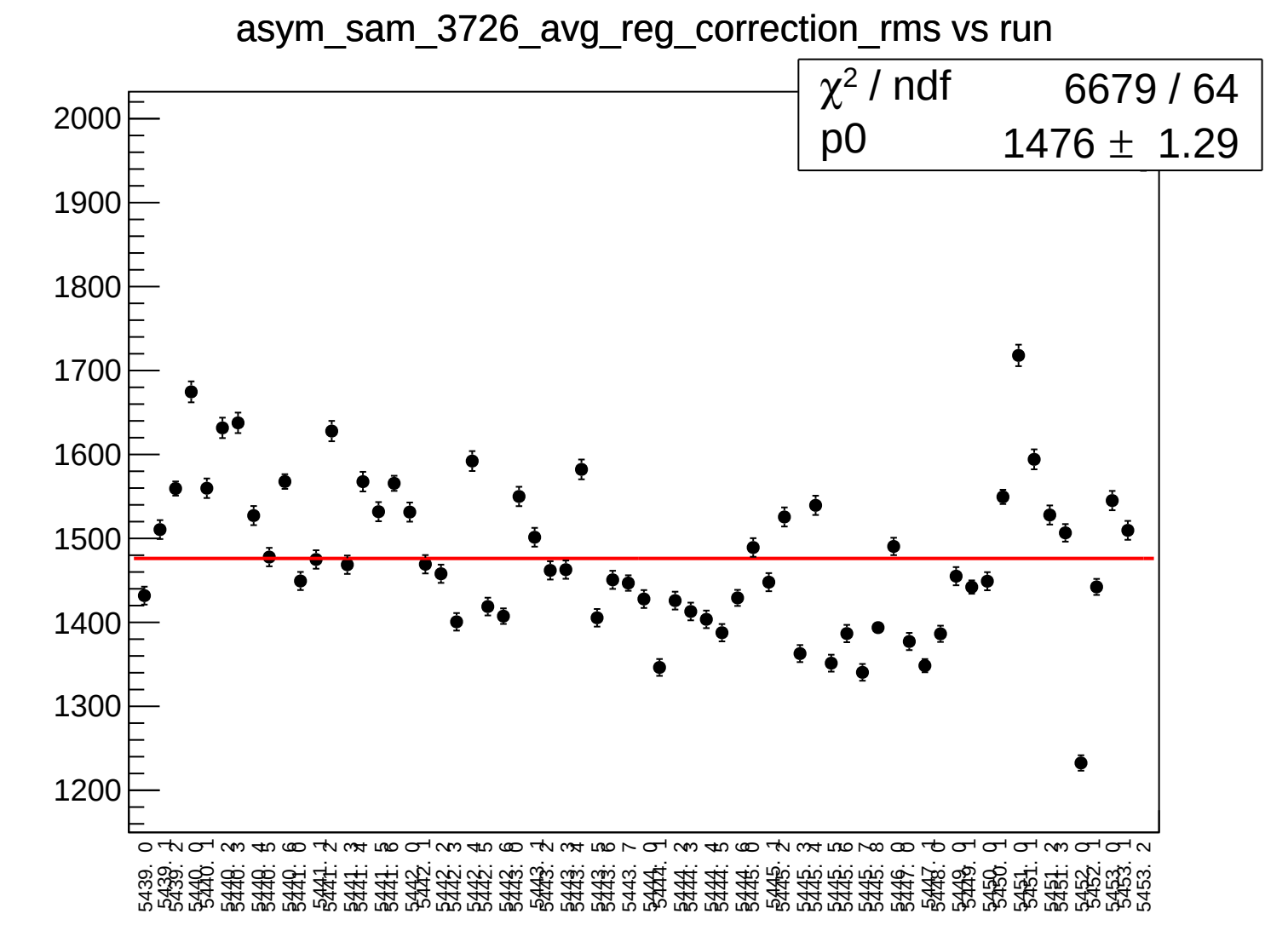

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 56.13 / 64
p0 285.4 ± 171.9
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 42.26
Std Dev 36.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

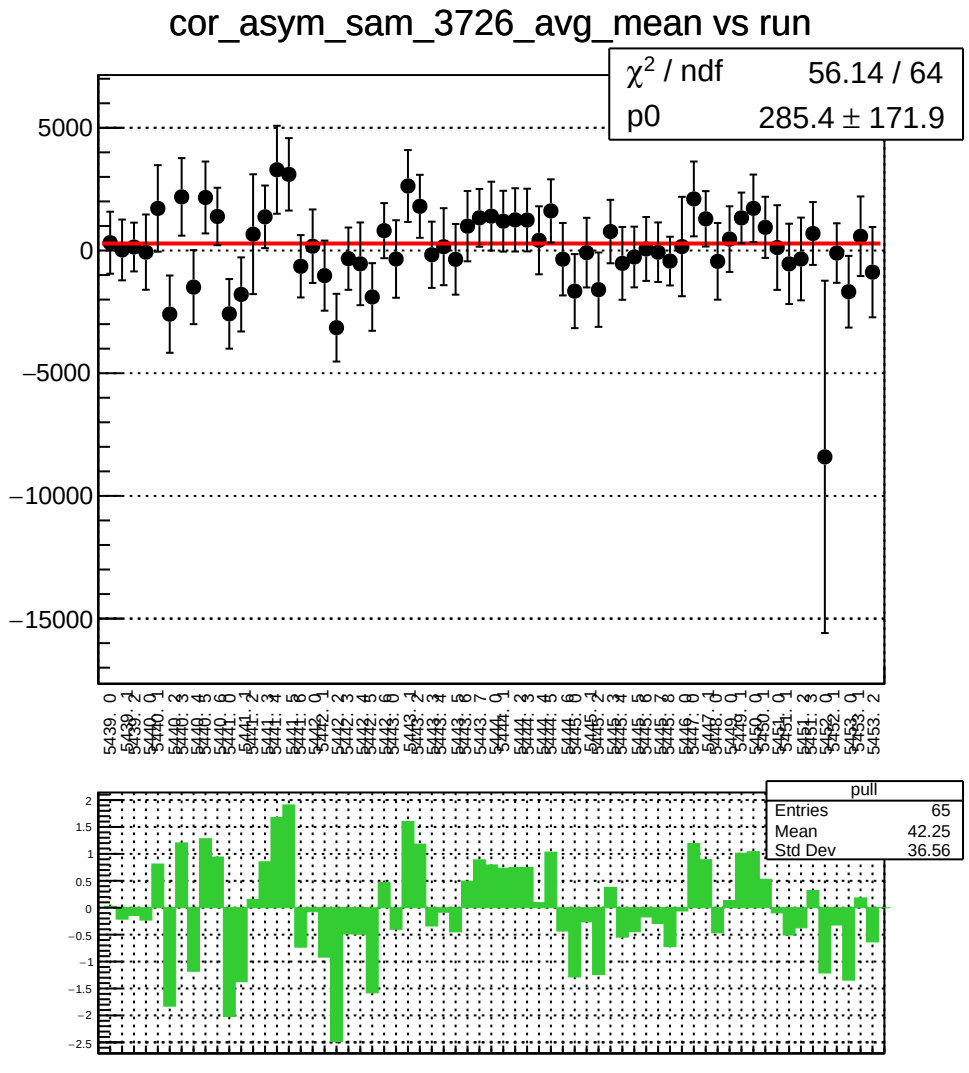

pull1D
Entries 65
Mean −0.03263
Std Dev 0.9287
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

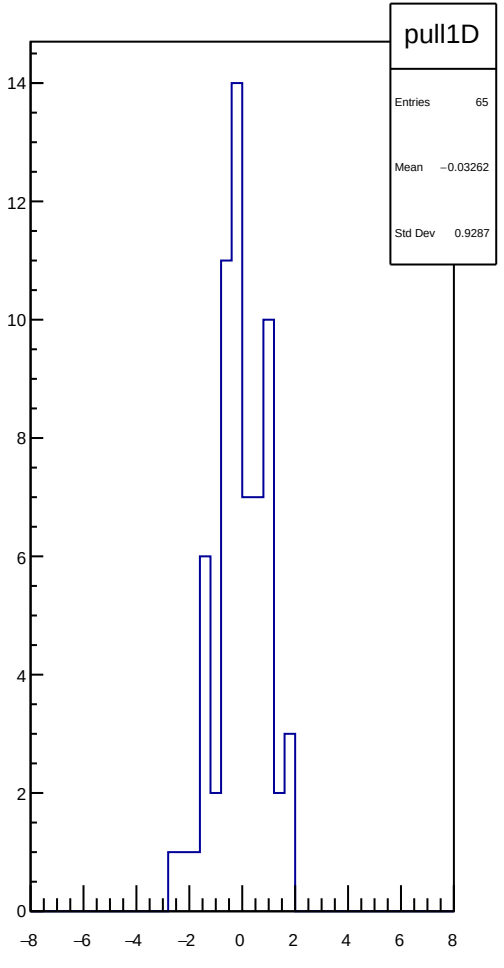

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 3.572e+04 / 64
p0 137.5 ± 0.1216
700
600
500
400
300
200
100

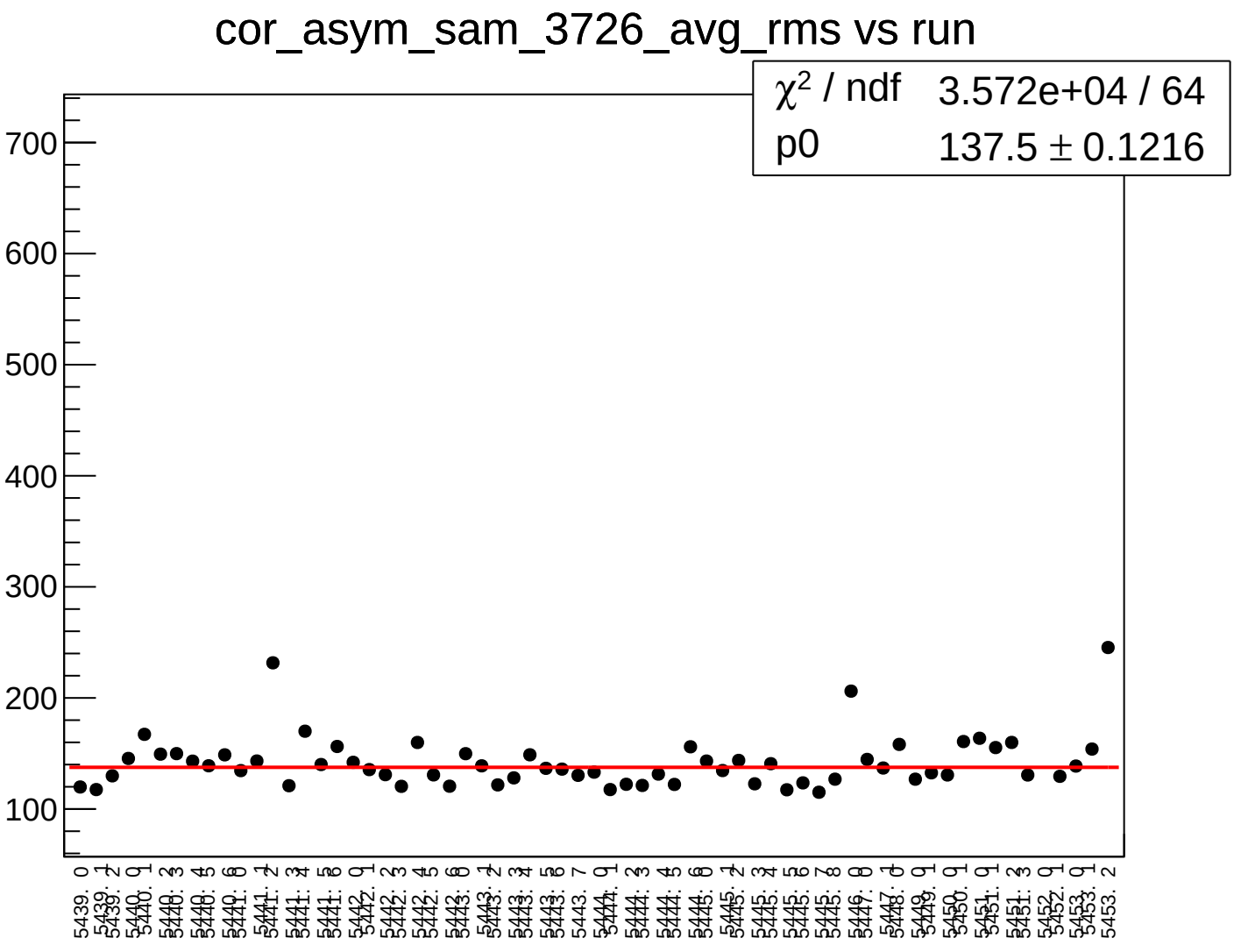

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 71.74 / 64
p0 −3128 ± 1825
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −74.83
Std Dev 0
2
1
0
−1
−2

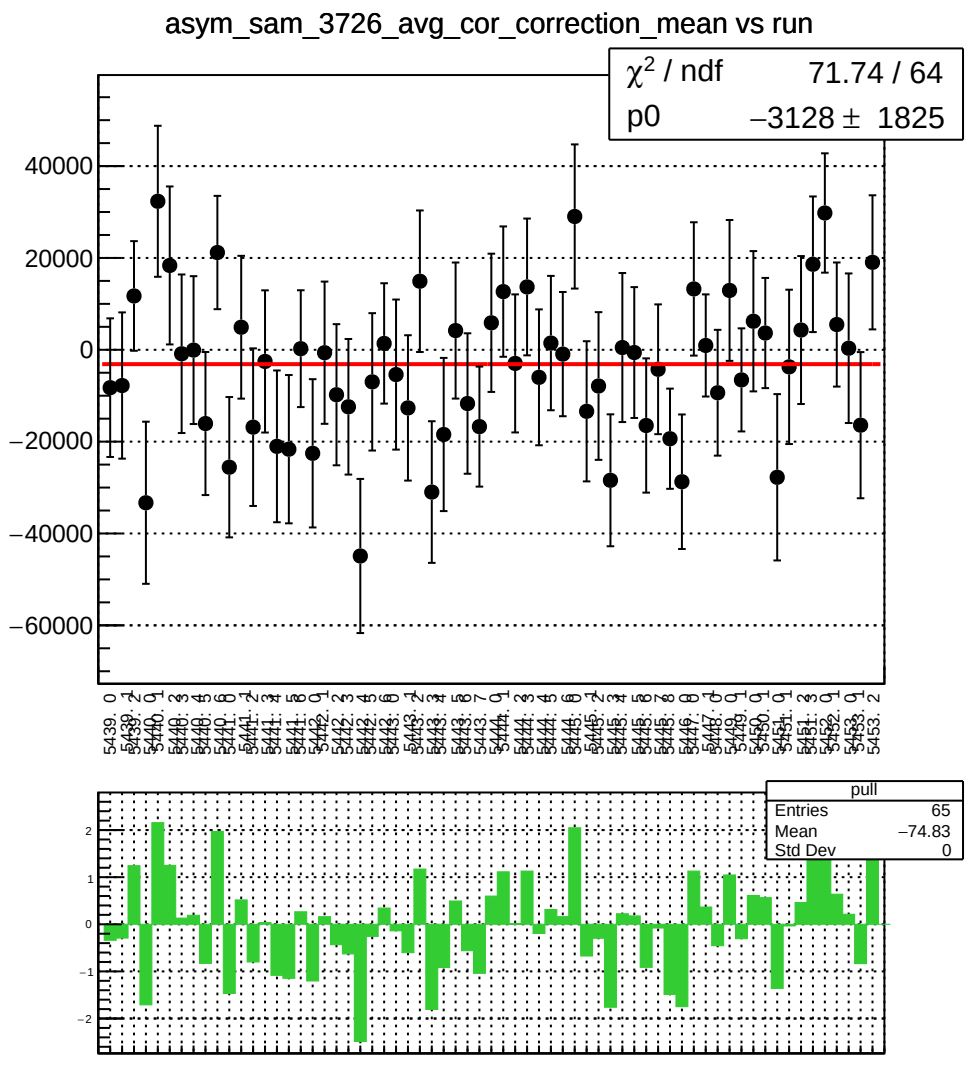

pull1D
Entries 65
Mean −0.02503
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

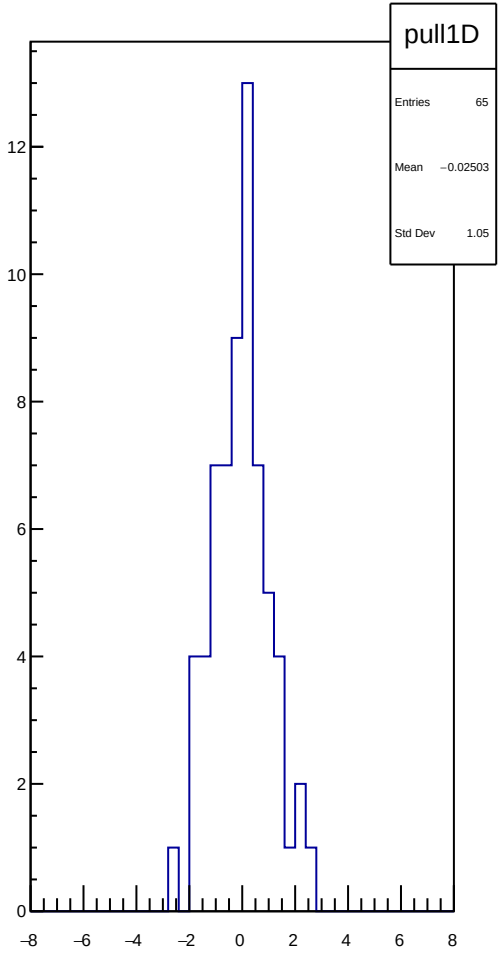

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 6679 / 64
p0 1476 ± 1.29
2000
1900
1800
1700
1600
1500
1400
1300
1200

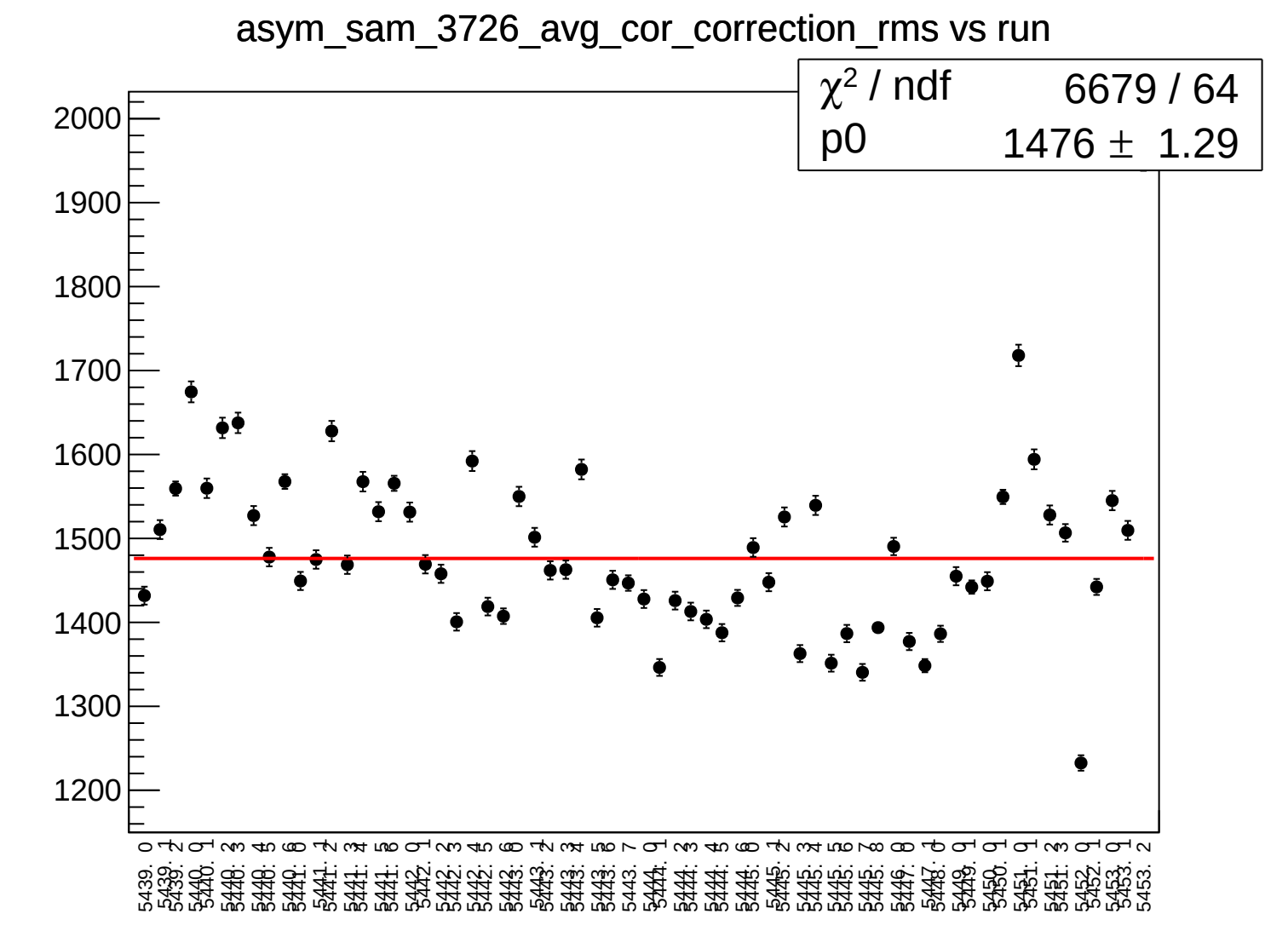

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 56.14 / 64
p0 285.4 ± 171.9
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 42.25
Std Dev 36.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

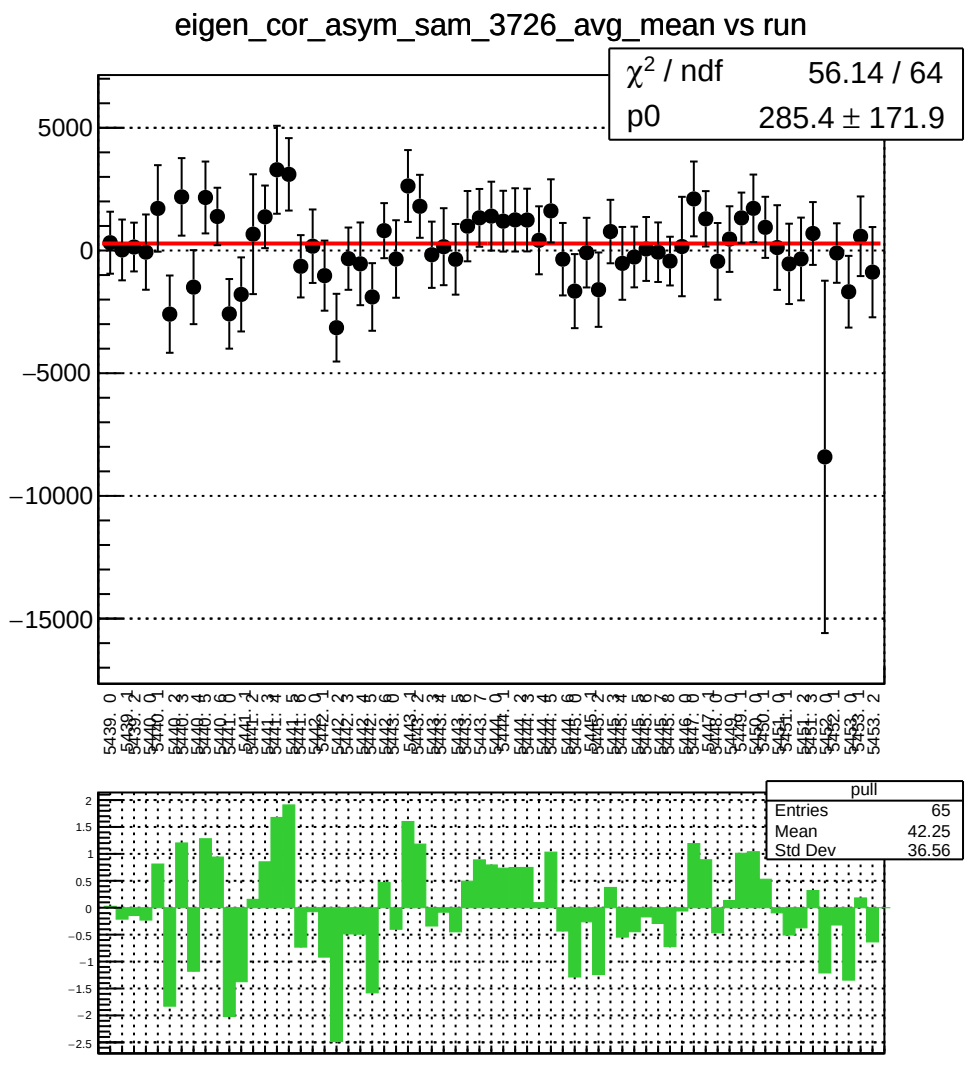

pull1D
Entries 65
Mean −0.03262
Std Dev 0.9287
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

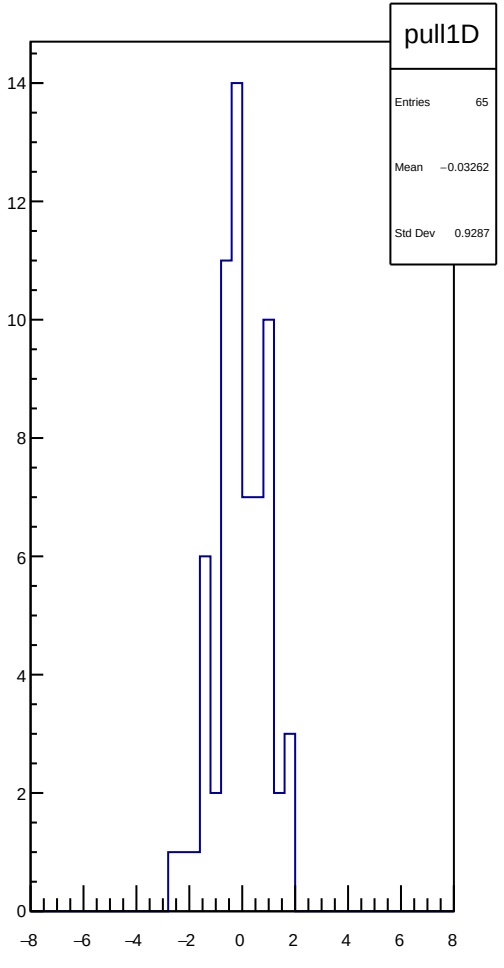

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.572e+04 / 64
p0 137.5 ± 0.1216
700
600
500
400
300
200
100

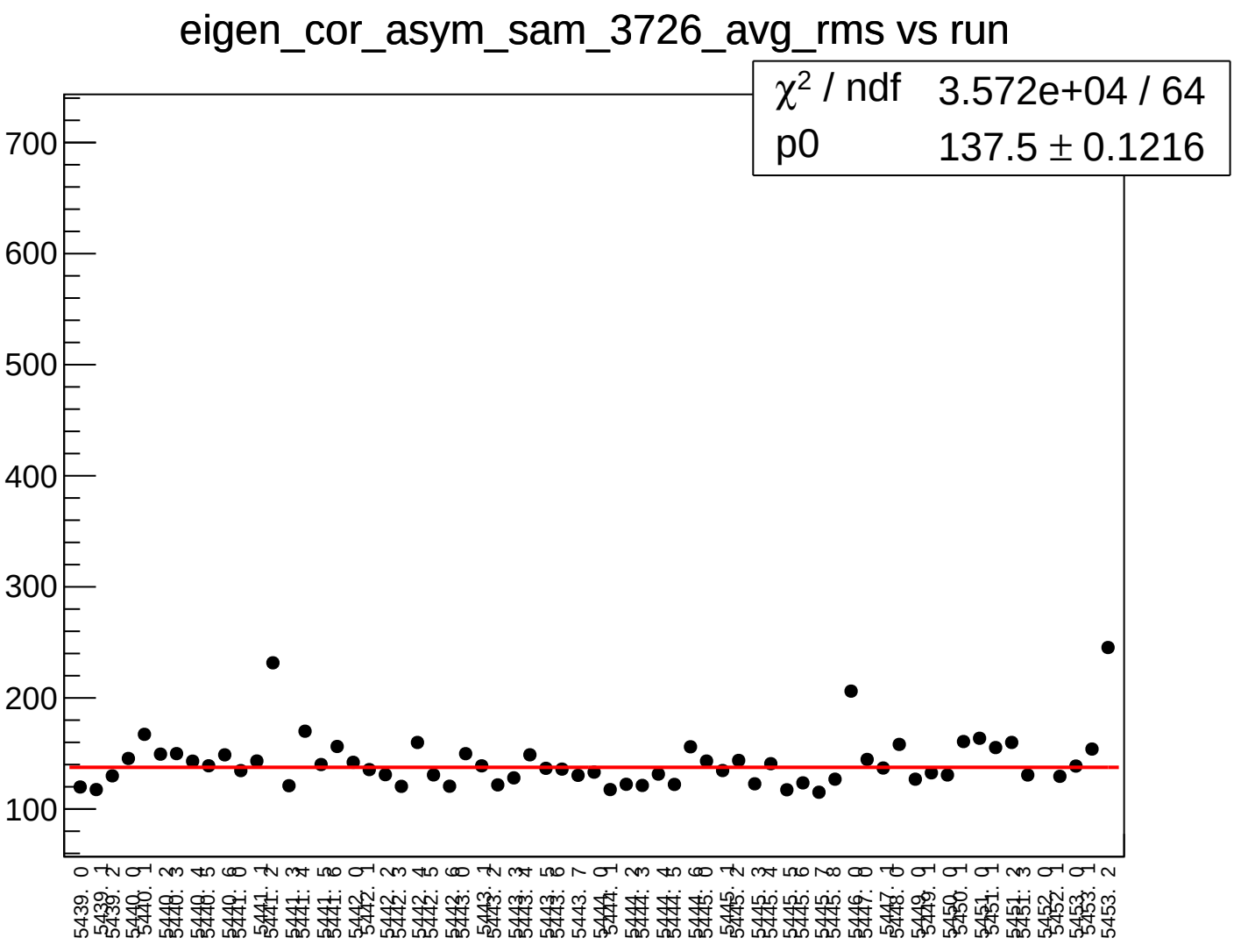

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 71.74 / 64
p0 −3128 ± 1825
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −74.83
Std Dev 0
2
1
0
−1
−2

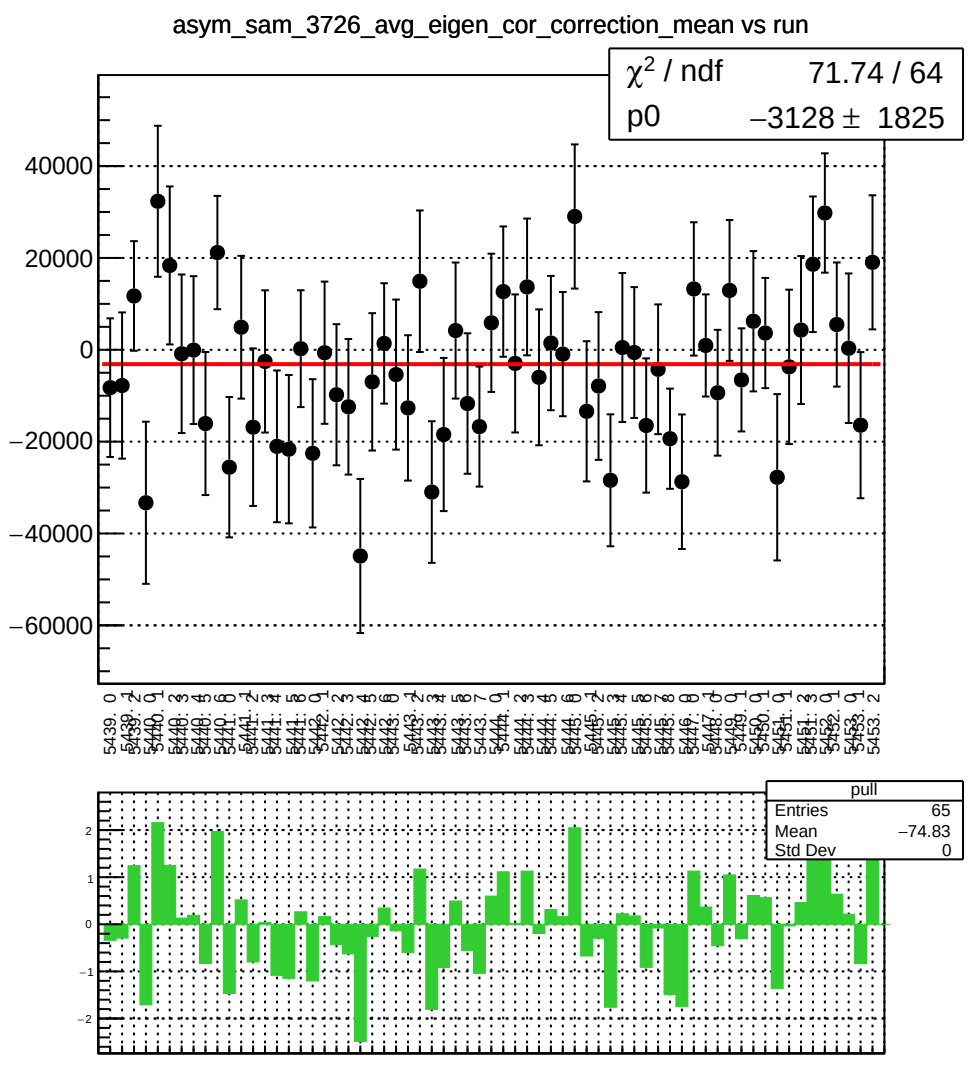

pull1D
Entries 65
Mean −0.02503
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

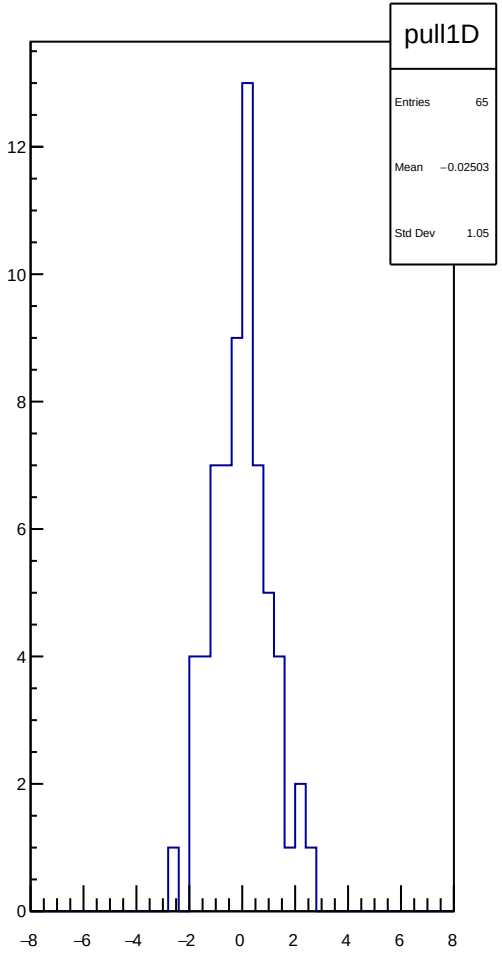

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 6679 / 64
p0 1476 ± 1.29
2000
1900
1800
1700
1600
1500
1400
1300
1200

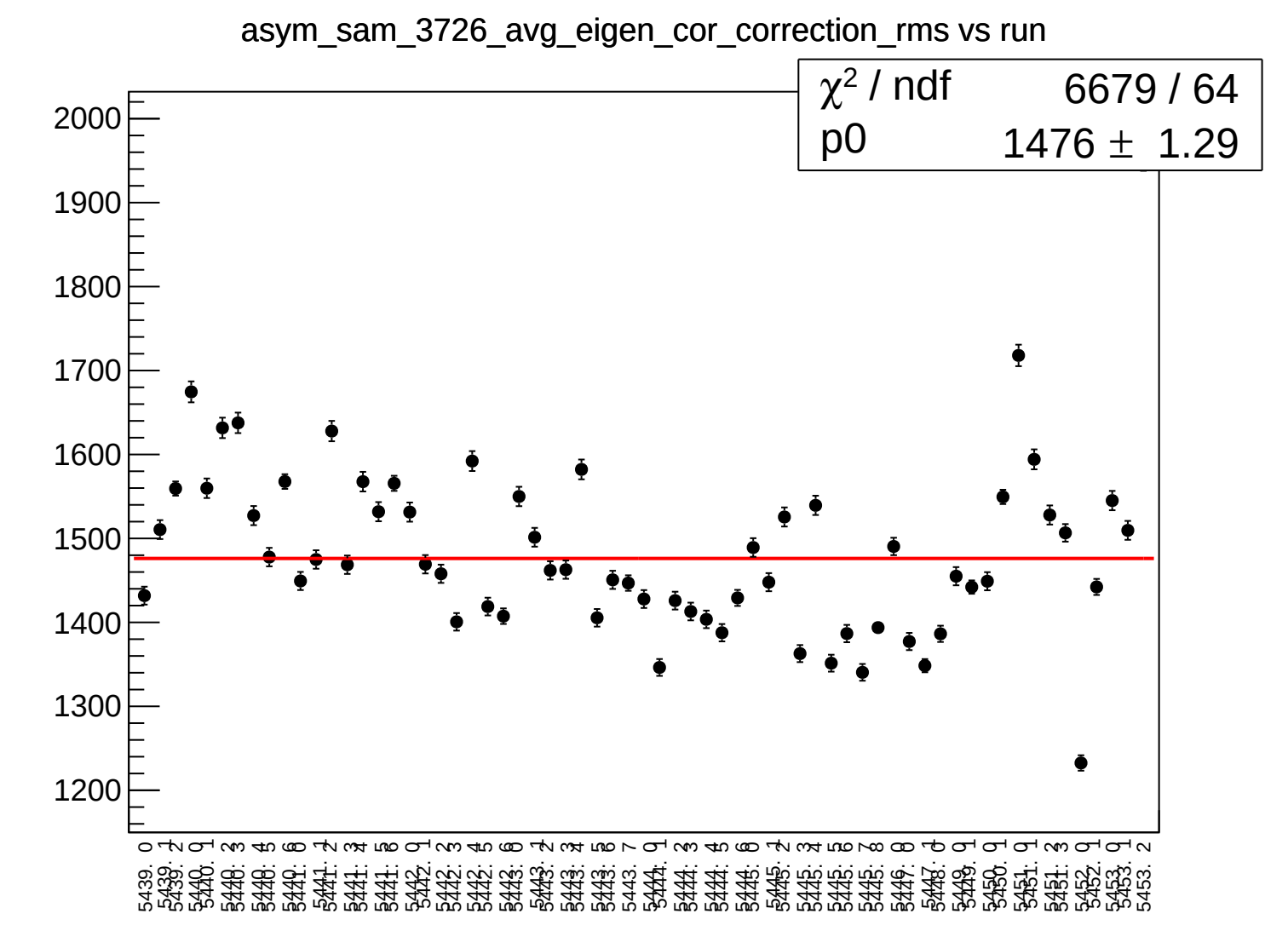

eigen_cor_asym_sam_3726_avg_mean vs run
χ^2 / ndf 56.14 / 64
p0 285.4 ± 171.9
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean 42.25
Std Dev 36.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

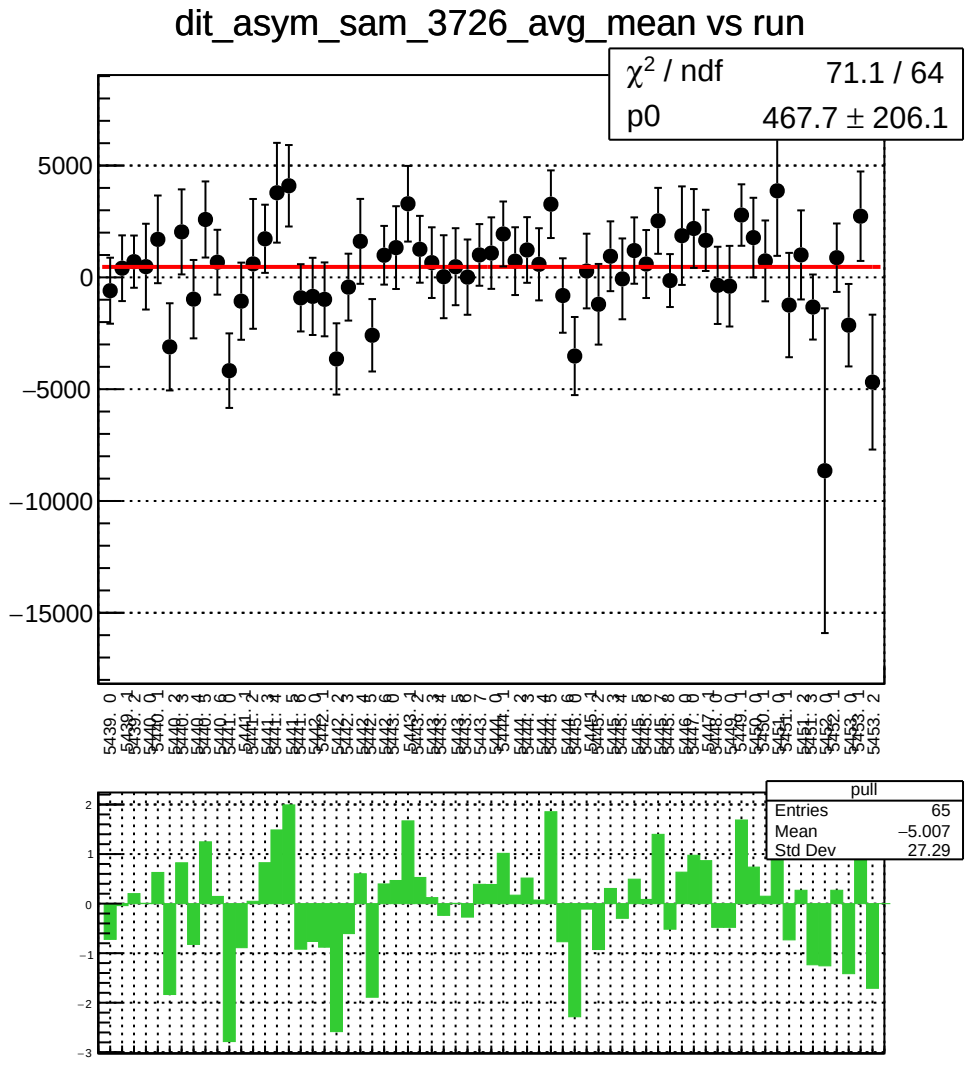

pull1D
Entries 65
Mean −0.03262
Std Dev 0.9287
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

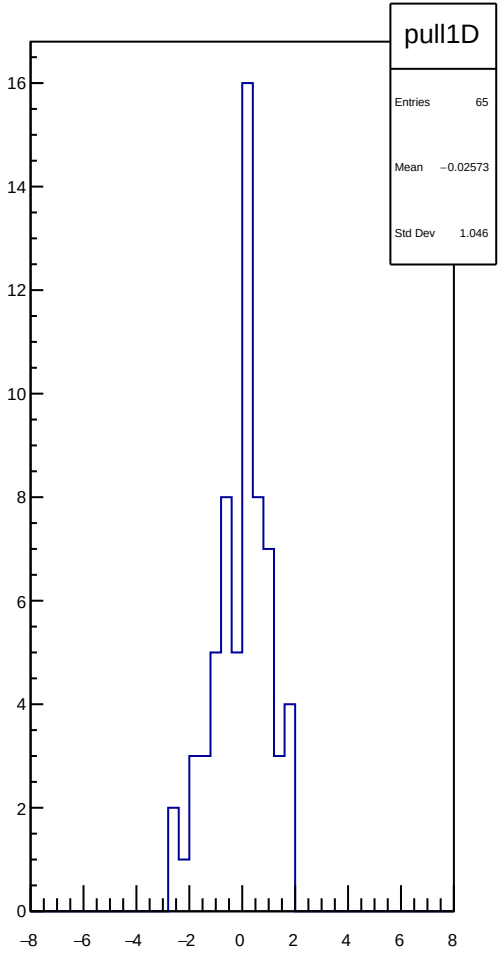

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.572e+04 / 64
p0 137.5 ± 0.1216
700
600
500
400
300
200
100

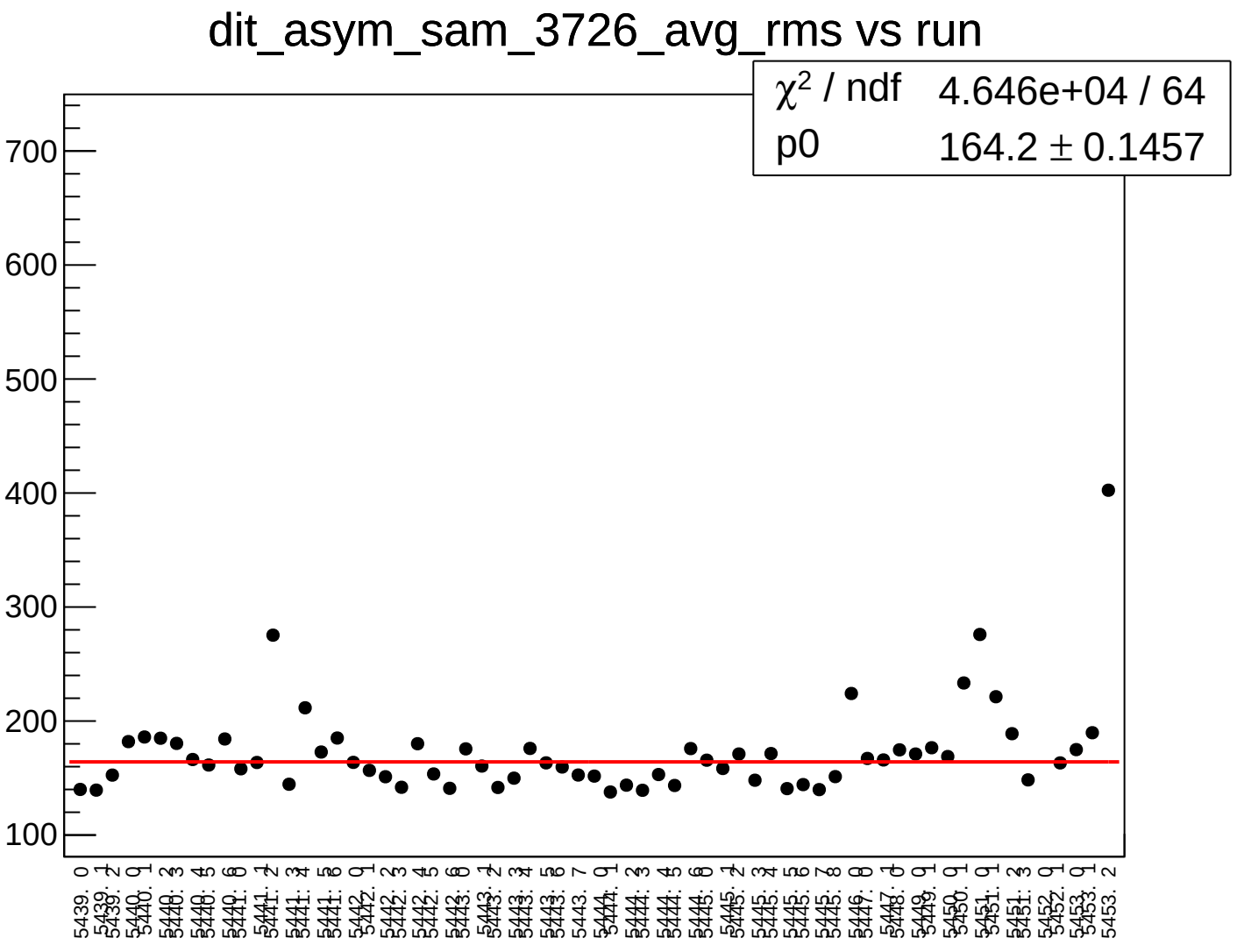

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.74 / 64
p0 −3128 ± 1825
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −74.83
Std Dev 0
2
1
0
−1
−2

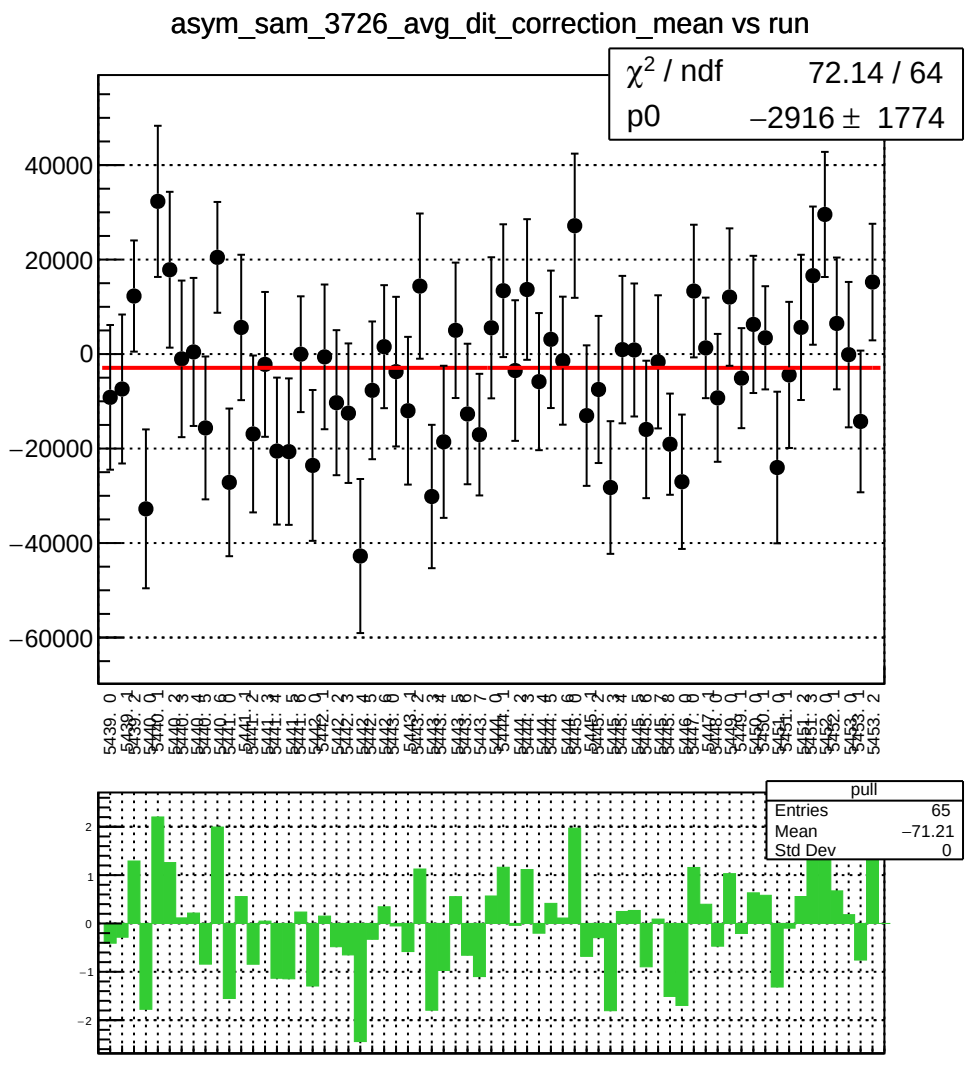

pull1D
Entries 65
Mean −0.02503
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

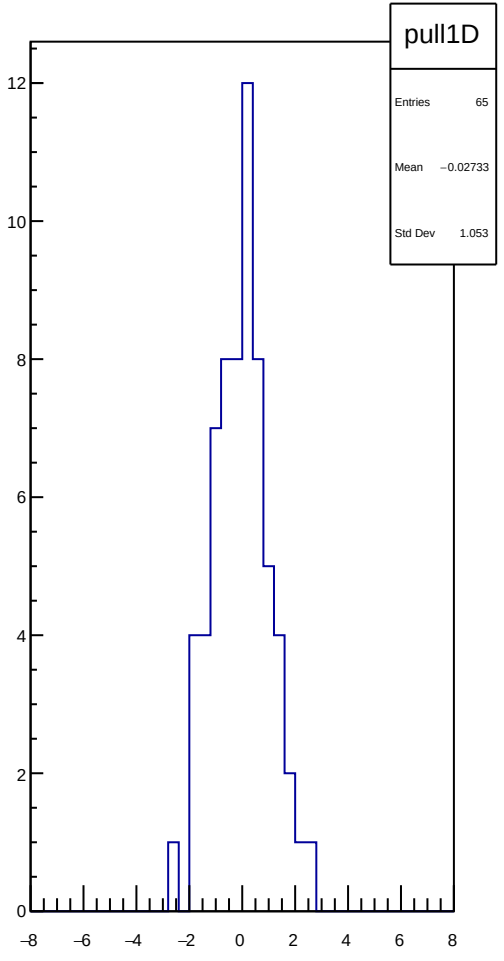

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 6679 / 64
p0 1476 ± 1.29
2000
1900
1800
1700
1600
1500
1400
1300
1200

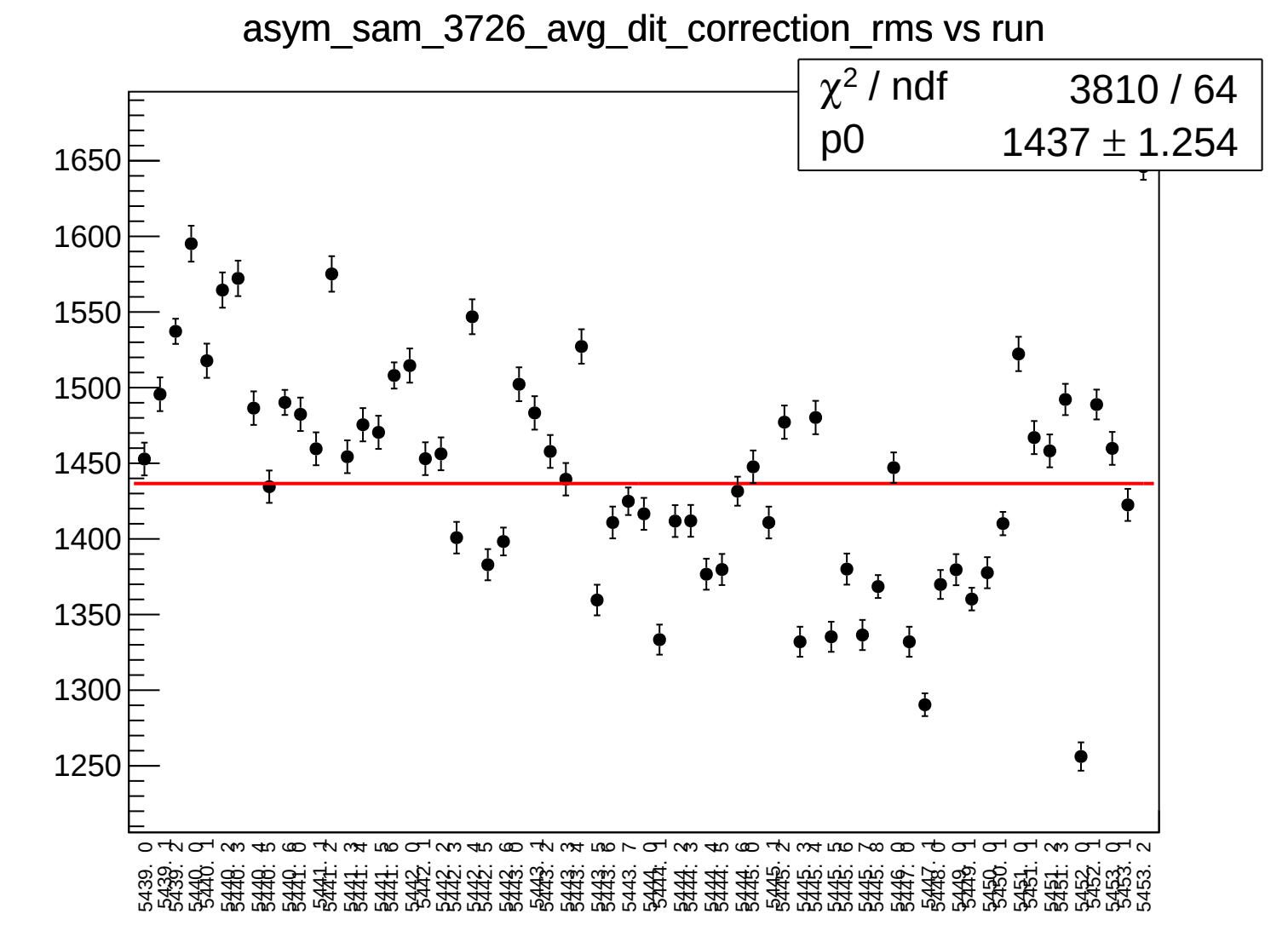

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 71.1 / 64
p0 467.7 ± 206.1
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean −5.007
Std Dev 27.29
2
1
0
−1
−2
−3

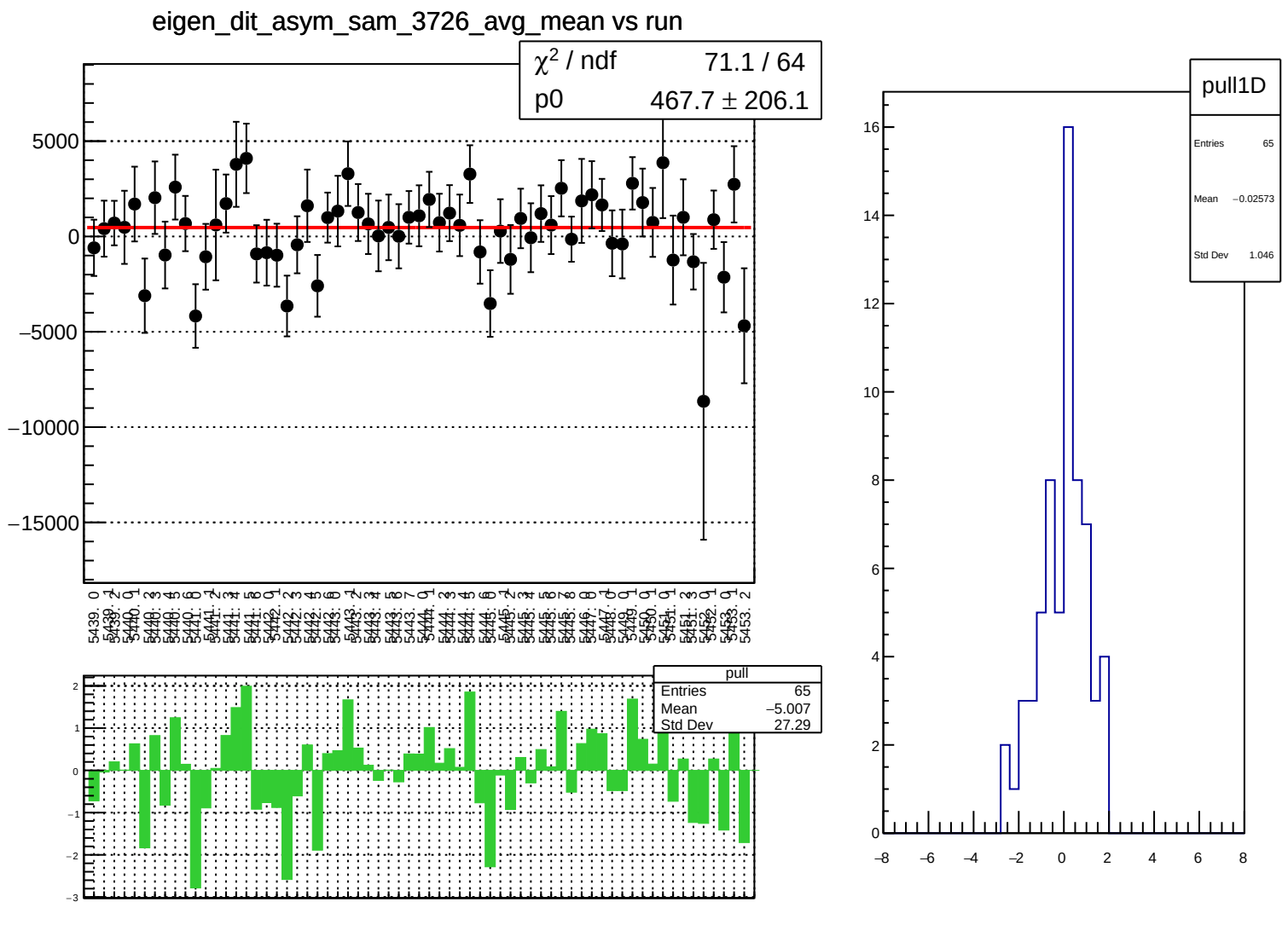

pull1D
Entries 65
Mean −0.02573
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

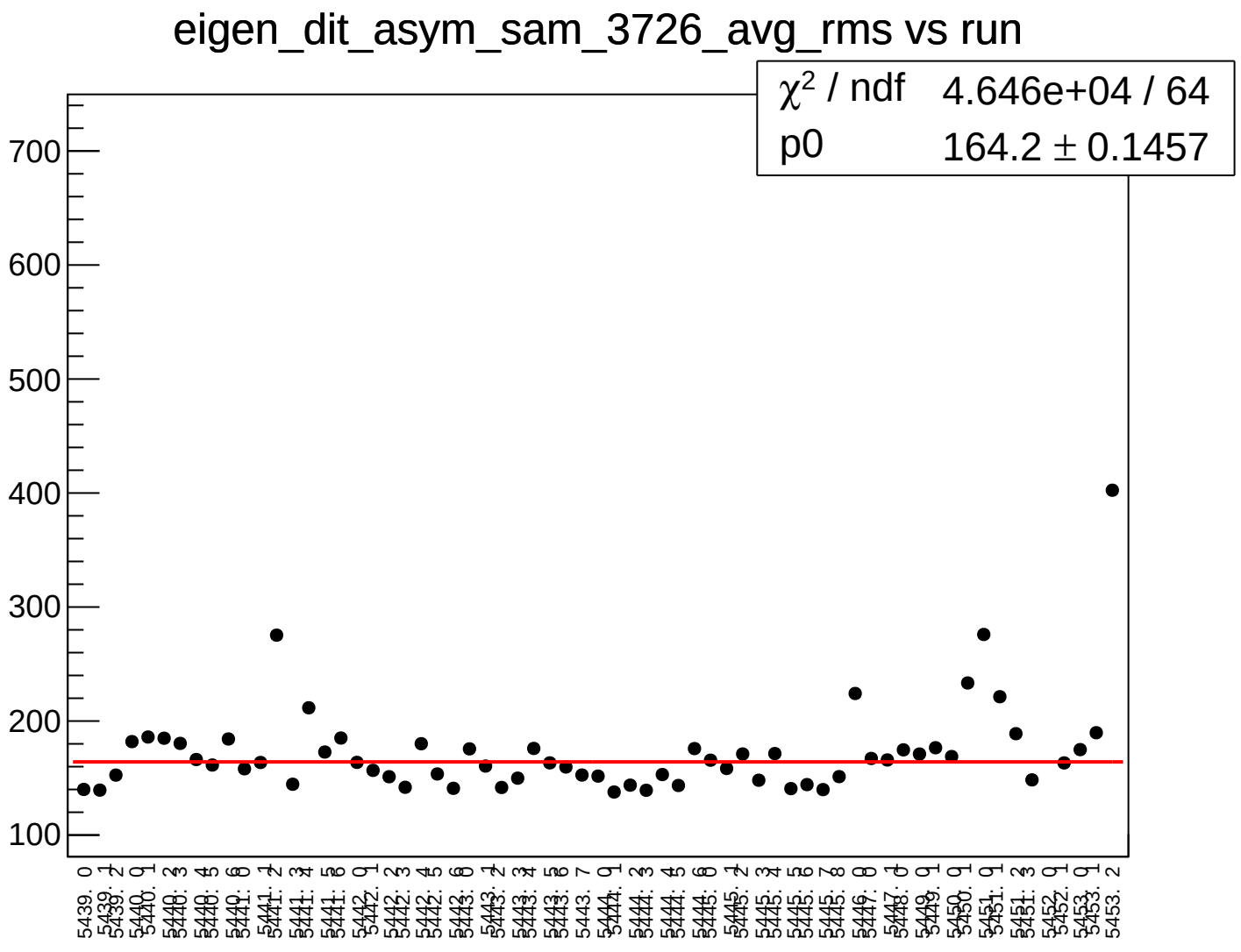

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 4.646e+04 / 64
p0 164.2 ± 0.1457
700
600
500
400
300
200
100

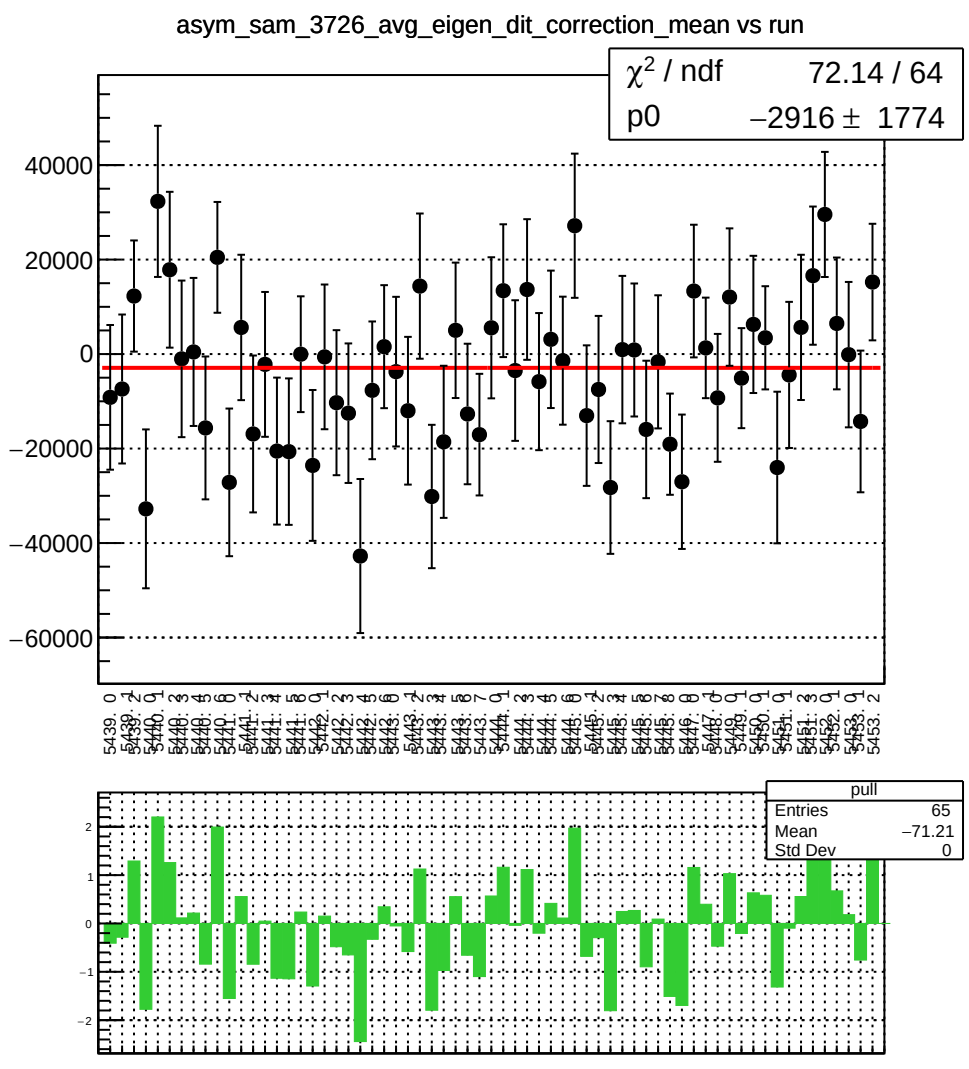

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 72.14 / 64
p0 −2916 ± 1774
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −71.21
Std Dev 0
2
1
0
−1
−2

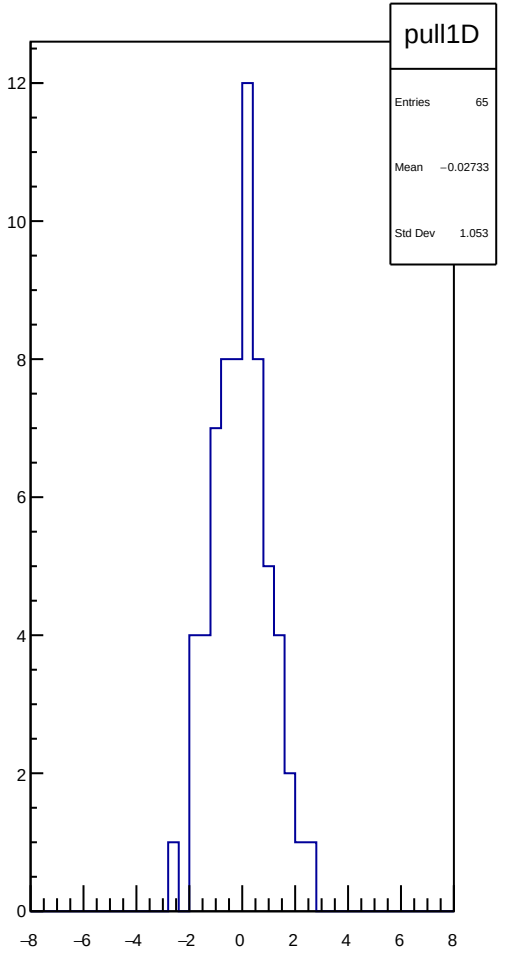

pull1D
Entries 65
Mean −0.02733
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

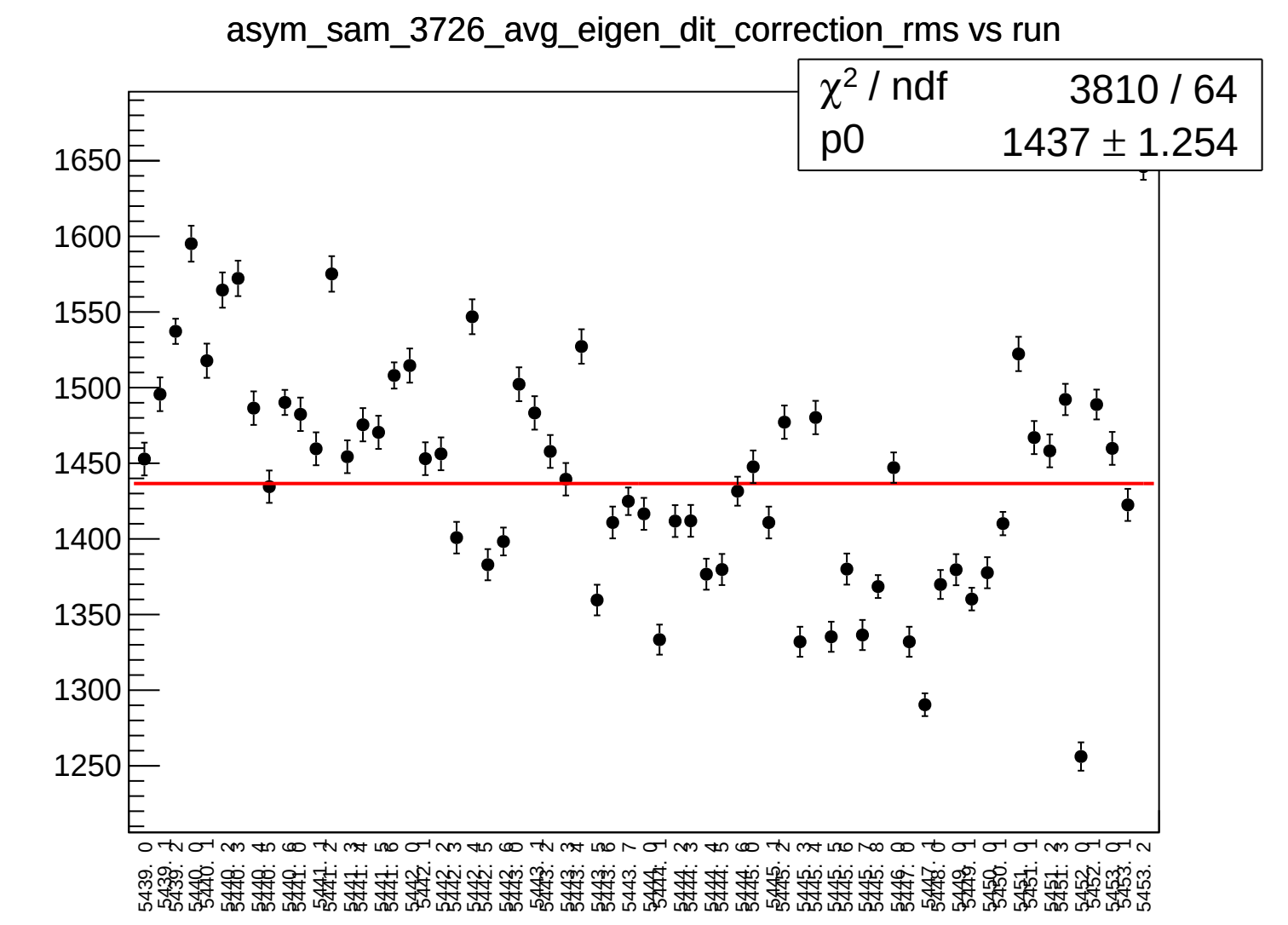

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 3810 / 64
p0 1437 ± 1.254
1650
1600
1550
1500
1450
1400
1350
1300
1250
5439. 0
5439. 1
5439. 2
5440. 1
5440. 9
5440. 0
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5451. 3
5452. 0
5452. 1
5453. 0
5453. 1
5453. 2


eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 71.1 / 64
p0 467.7 ± 206.1
5000
0
−5000
−10000
−15000
pull
Entries 65
Mean −5.007
Std Dev 27.29
pull1D
Entries 65
Mean −0.02573
Std Dev 1.046


eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 4.646e+04 / 64
p0 164.2 ± 0.1457
700
600
500
400
300
200
100


asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 72.14 / 64
p0 −2916 ± 1774
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −71.21
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 65
Mean −0.02733
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 3810 / 64
p0 1437 ± 1.254
1650
1600
1550
1500
1450
1400
1350
1300
1250
5439. 0
5439. 1
5439. 2
5440. 0
5440. 1
5440. 2
5440. 3
5440. 4
5440. 5
5440. 6
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5442. 6
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5443. 7
5444. 0
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5444. 6
5445. 0
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5451. 0
5451. 1
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5452. 1
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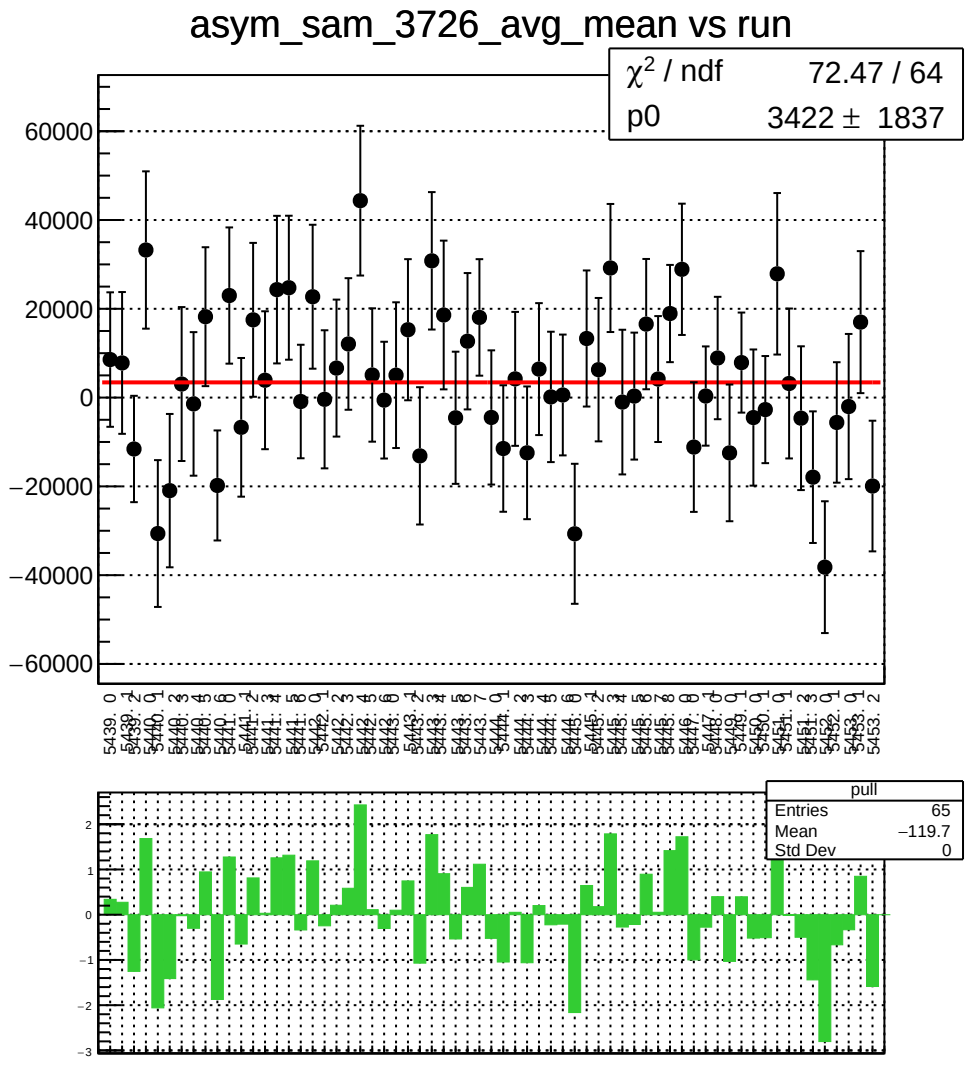
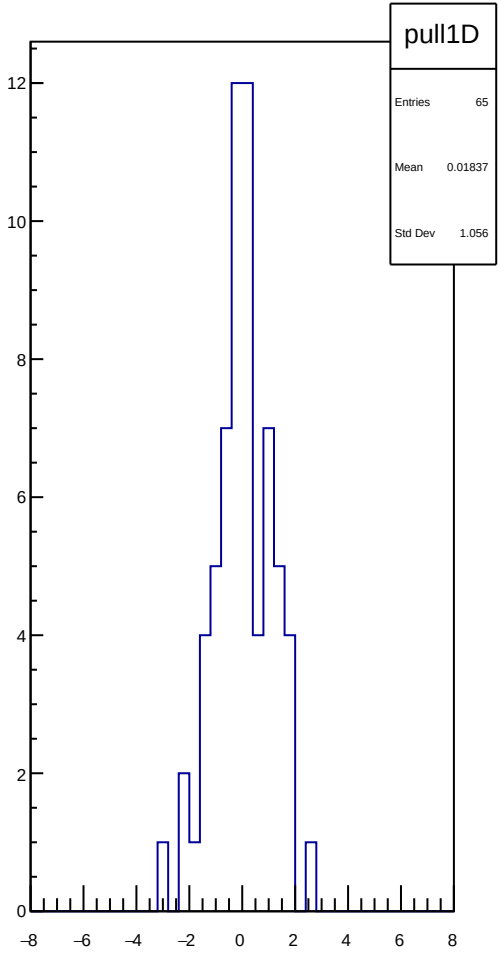
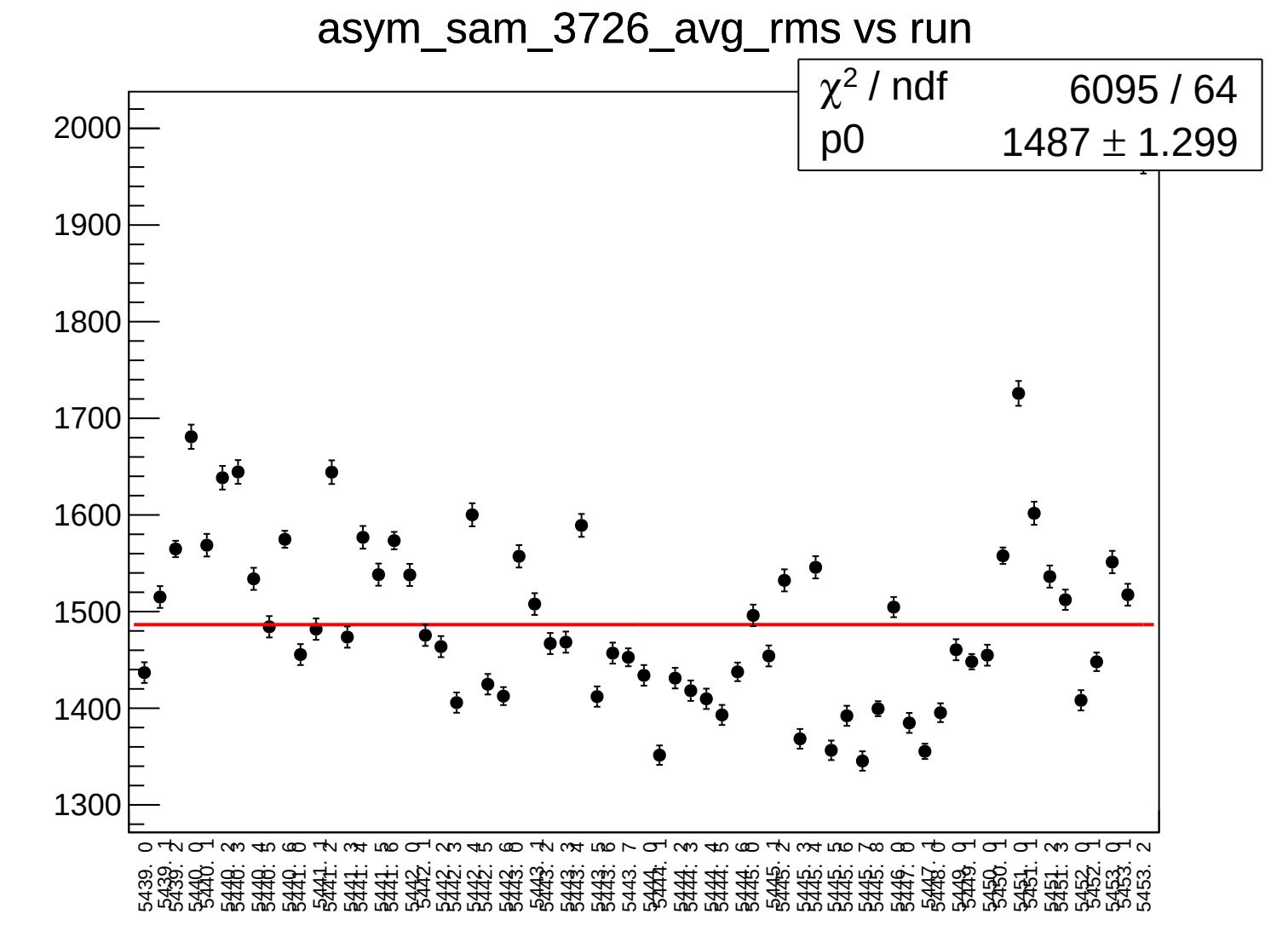
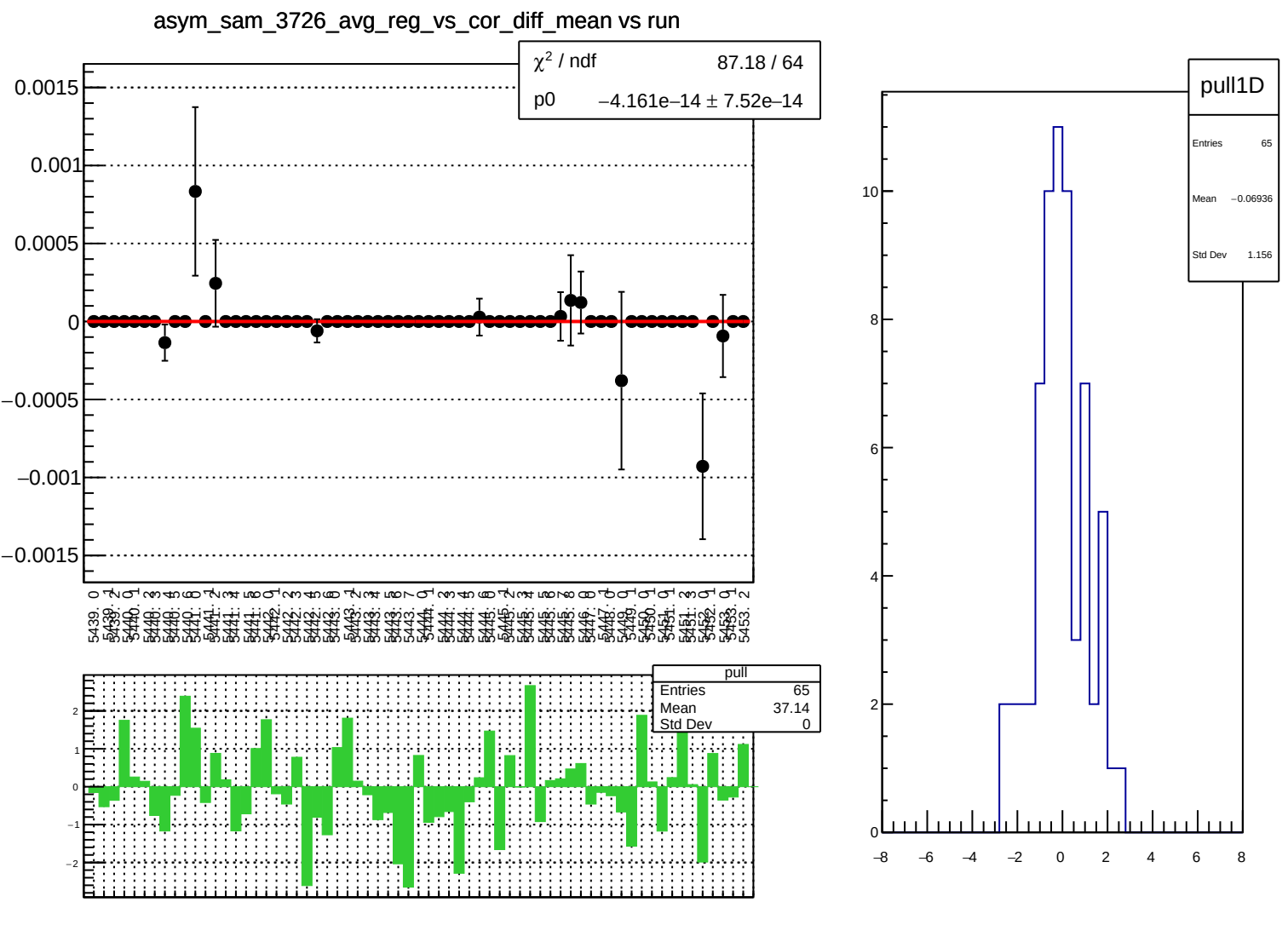
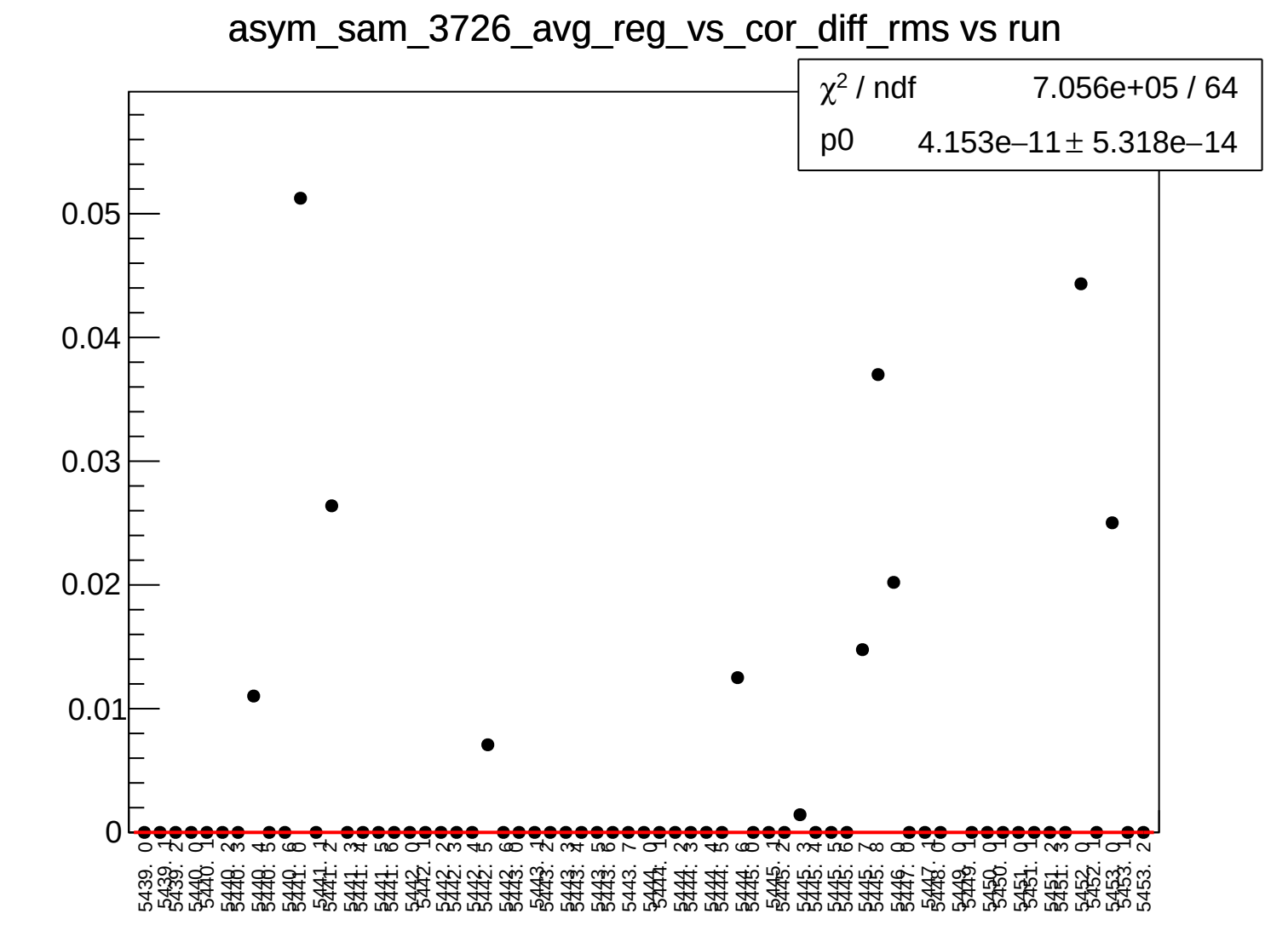
5453. 1
5453. 2

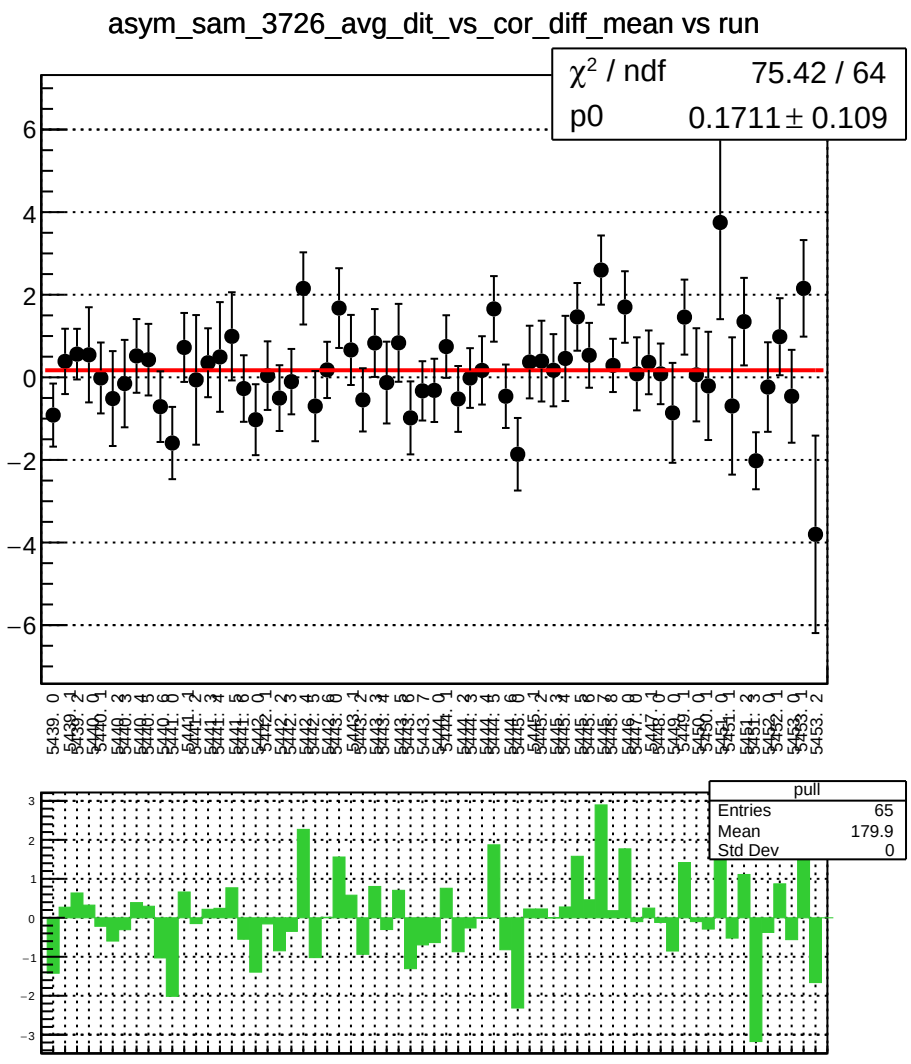

asym_sam_3726_avg_mean vs run
χ² / ndf 72.47 / 64
p0 3422 ± 1837
pull
Entries 65
Mean −119.7
Std Dev 0

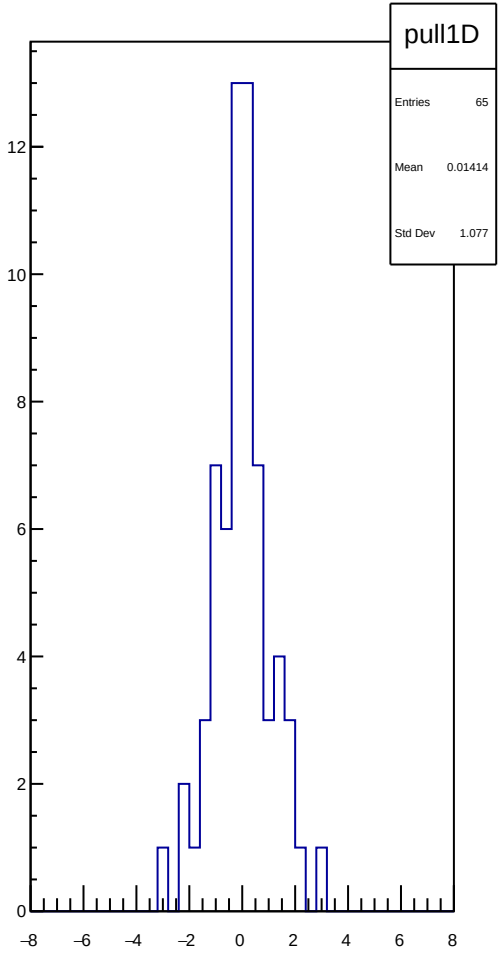

pull1D
Entries 65
Mean 0.01837
Std Dev 1.056

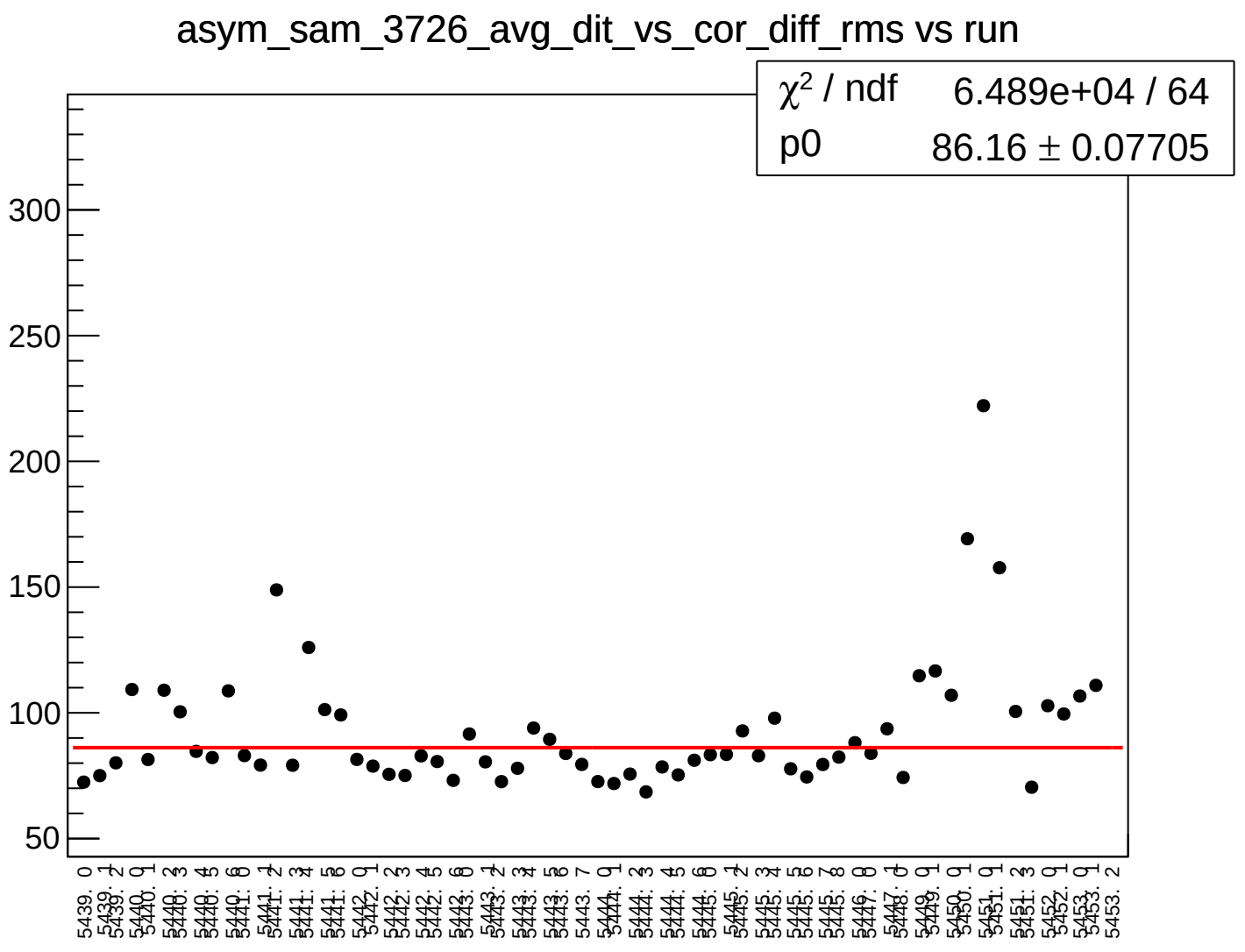

asym_sam_3726_avg_rms vs run
χ² / ndf 6095 / 64
p0 1487 ± 1.299
2000
1900
1800
1700
1600
1500
1400
1300

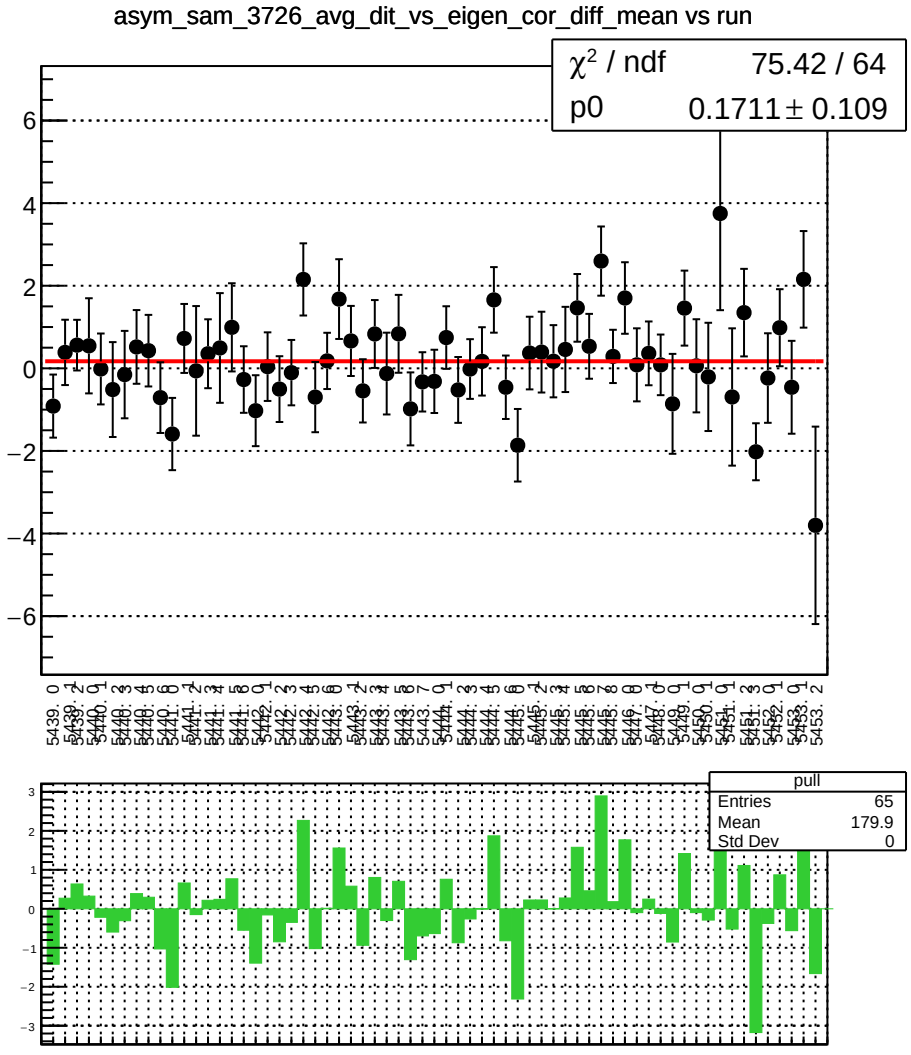

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.18 / 64
p0 −4.161e−14 ± 7.52e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 37.14
Std Dev 0
pull1D
Entries 65
Mean −0.06936
Std Dev 1.156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

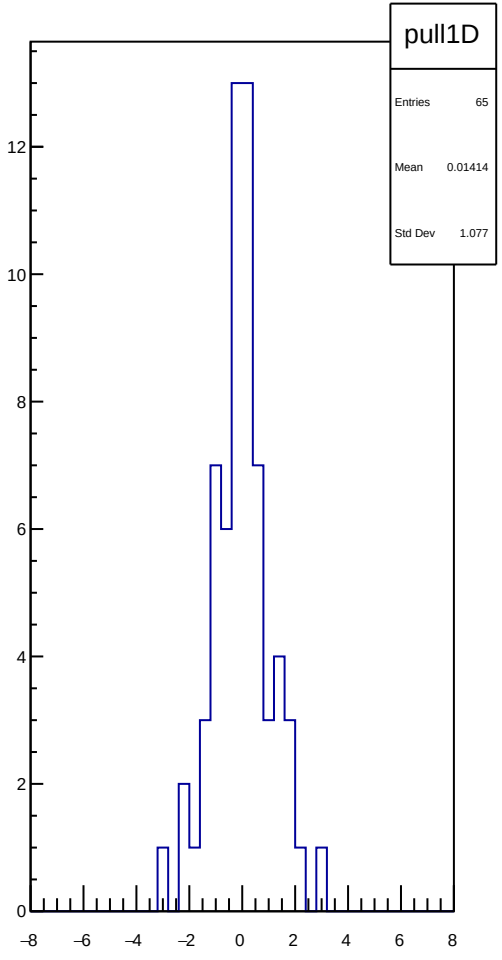

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.056e+05 / 64
p0 4.153e−11 ± 5.318e−14
0.05
0.04
0.03
0.02
0.01
0

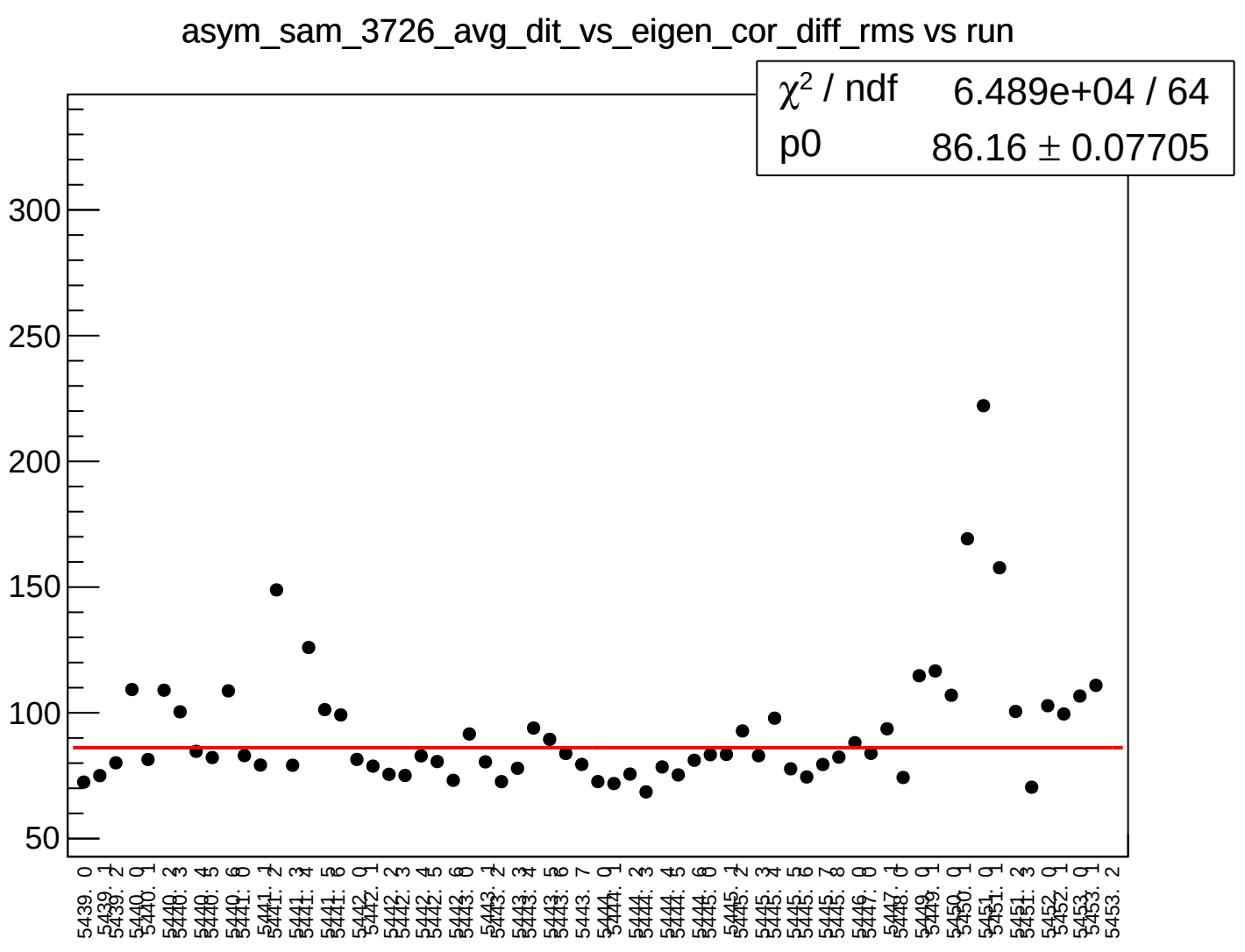

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.42 / 64
p0 0.1711 ± 0.109
pull
Entries 65
Mean 179.9
Std Dev 0

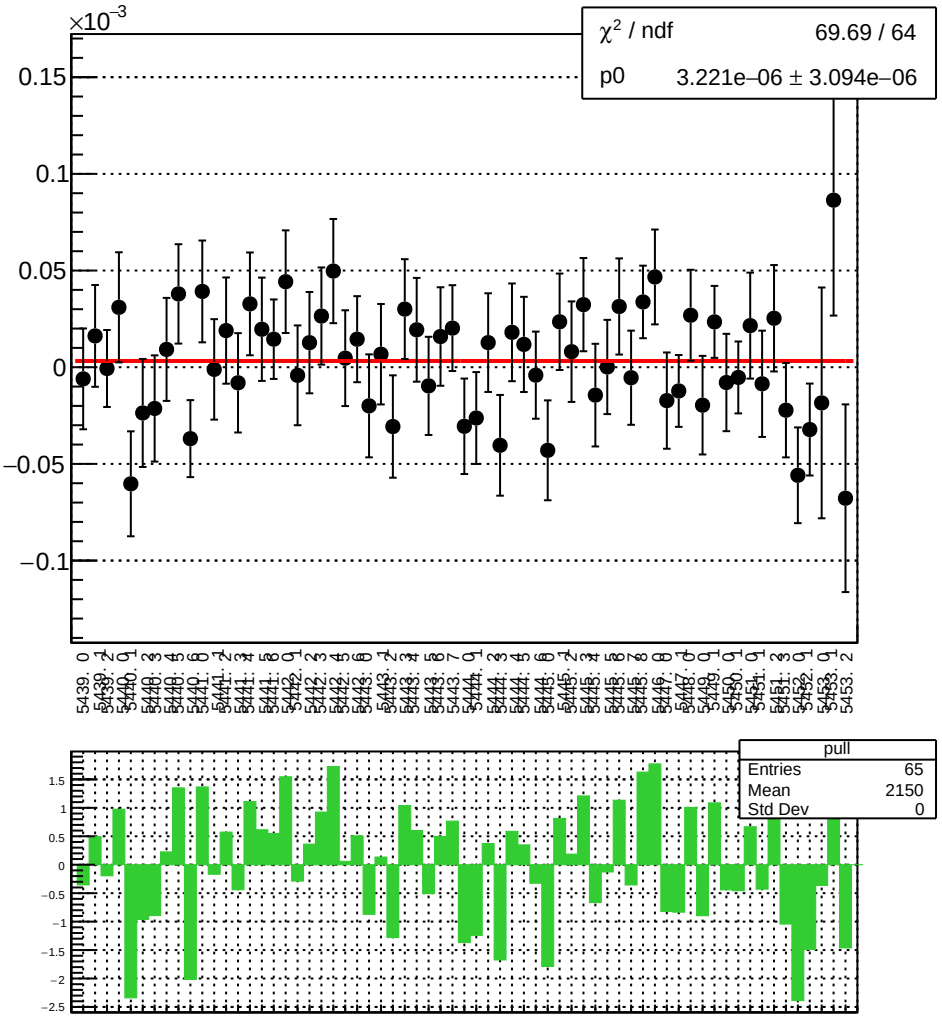

pull1D
Entries 65
Mean 0.01414
Std Dev 1.077

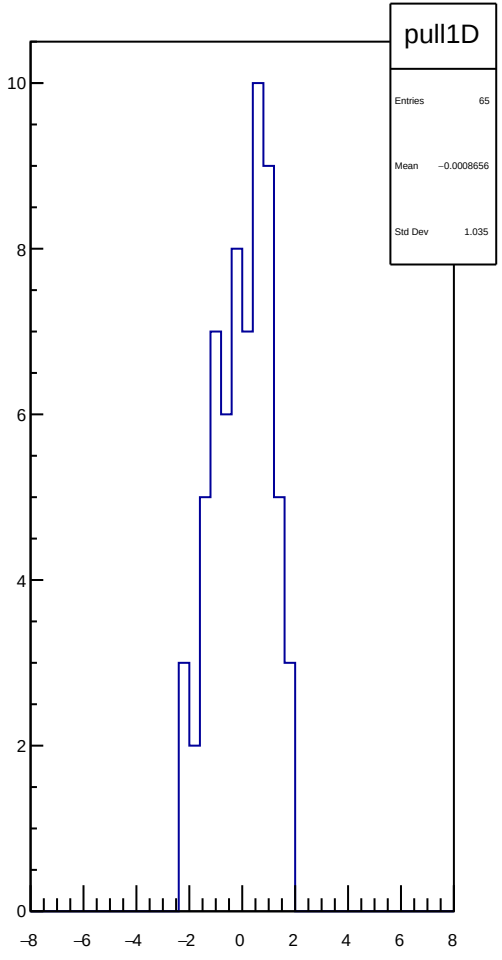

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 64
p0 86.16 ± 0.07705
300
250
200
150
100
50

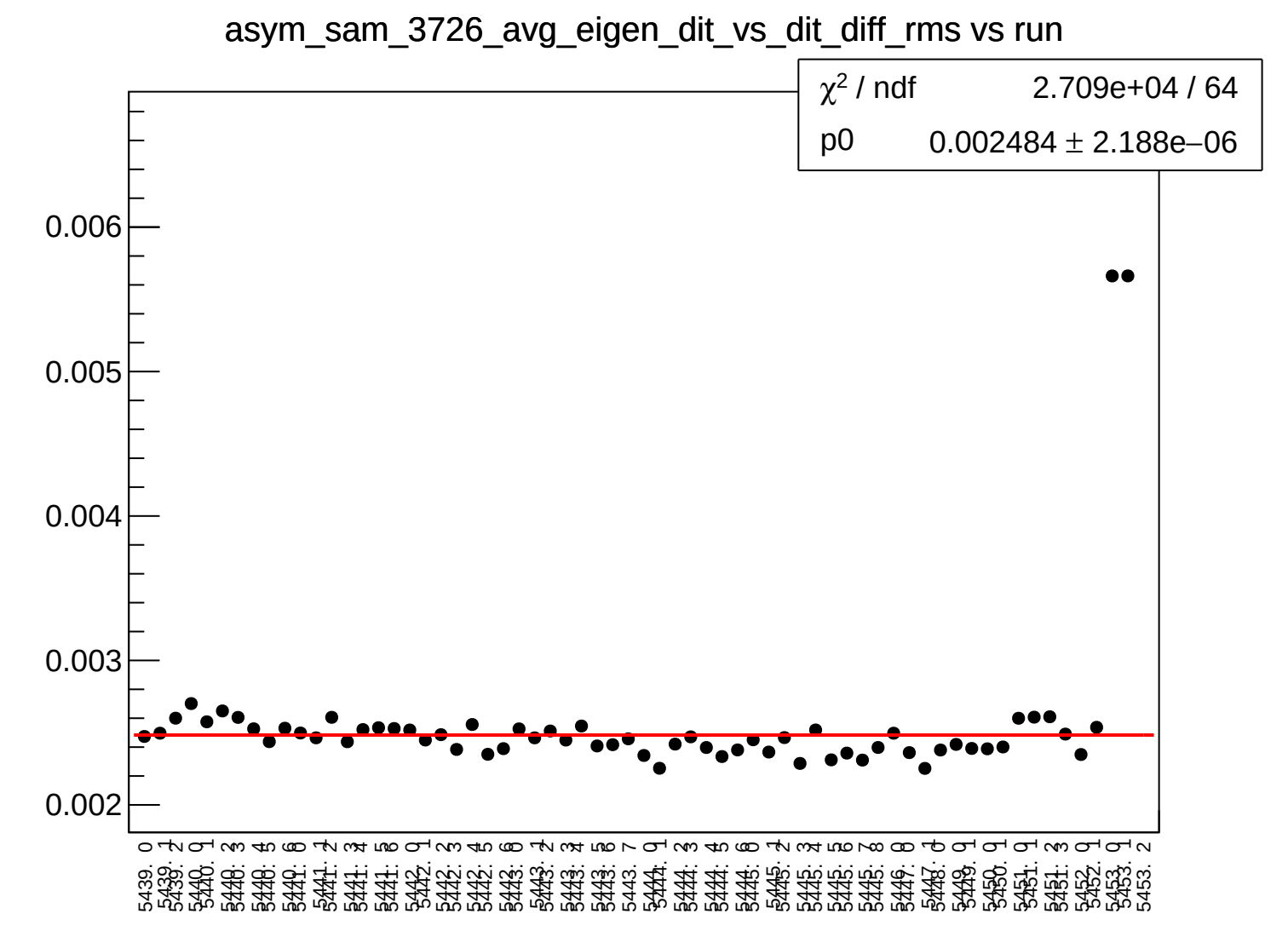

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.42 / 64
p0 0.1711 ± 0.109
pull
Entries 65
Mean 179.9
Std Dev 0

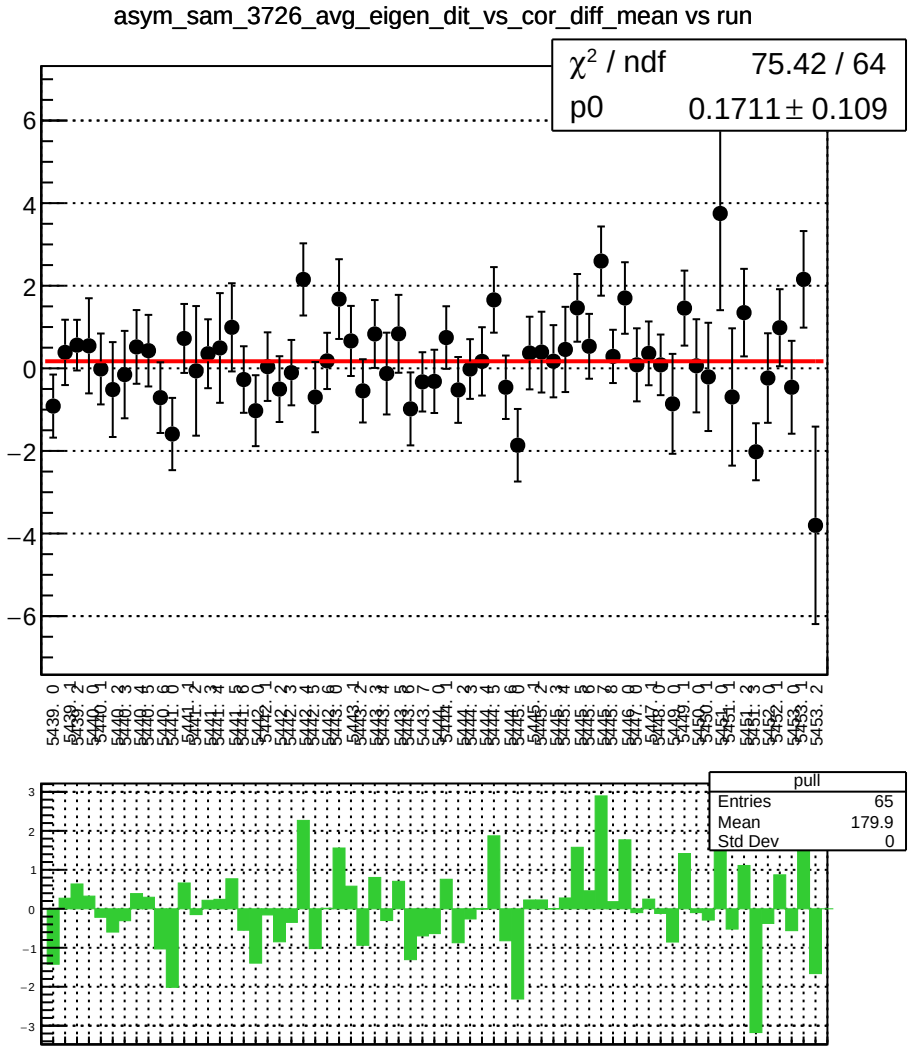

pull1D
Entries 65
Mean 0.01414
Std Dev 1.077

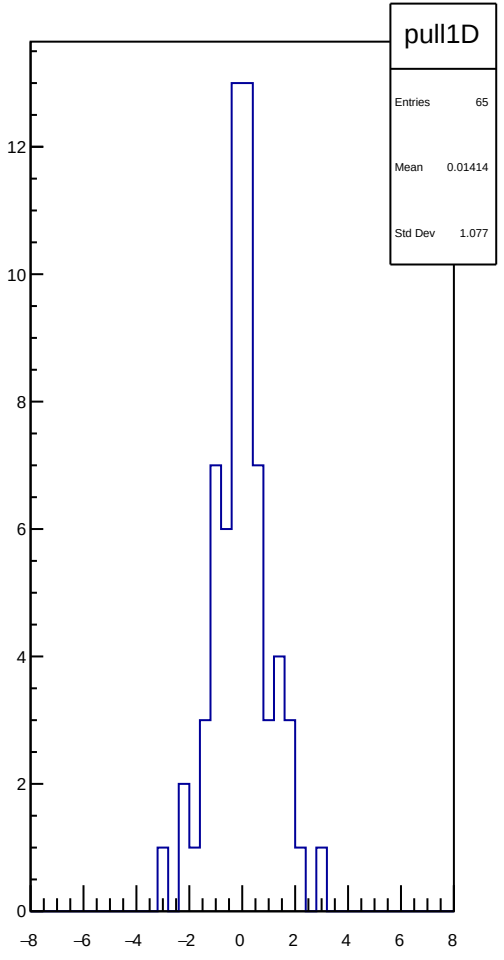

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 64
p0 86.16 ± 0.07705
300
250
200
150
100
50

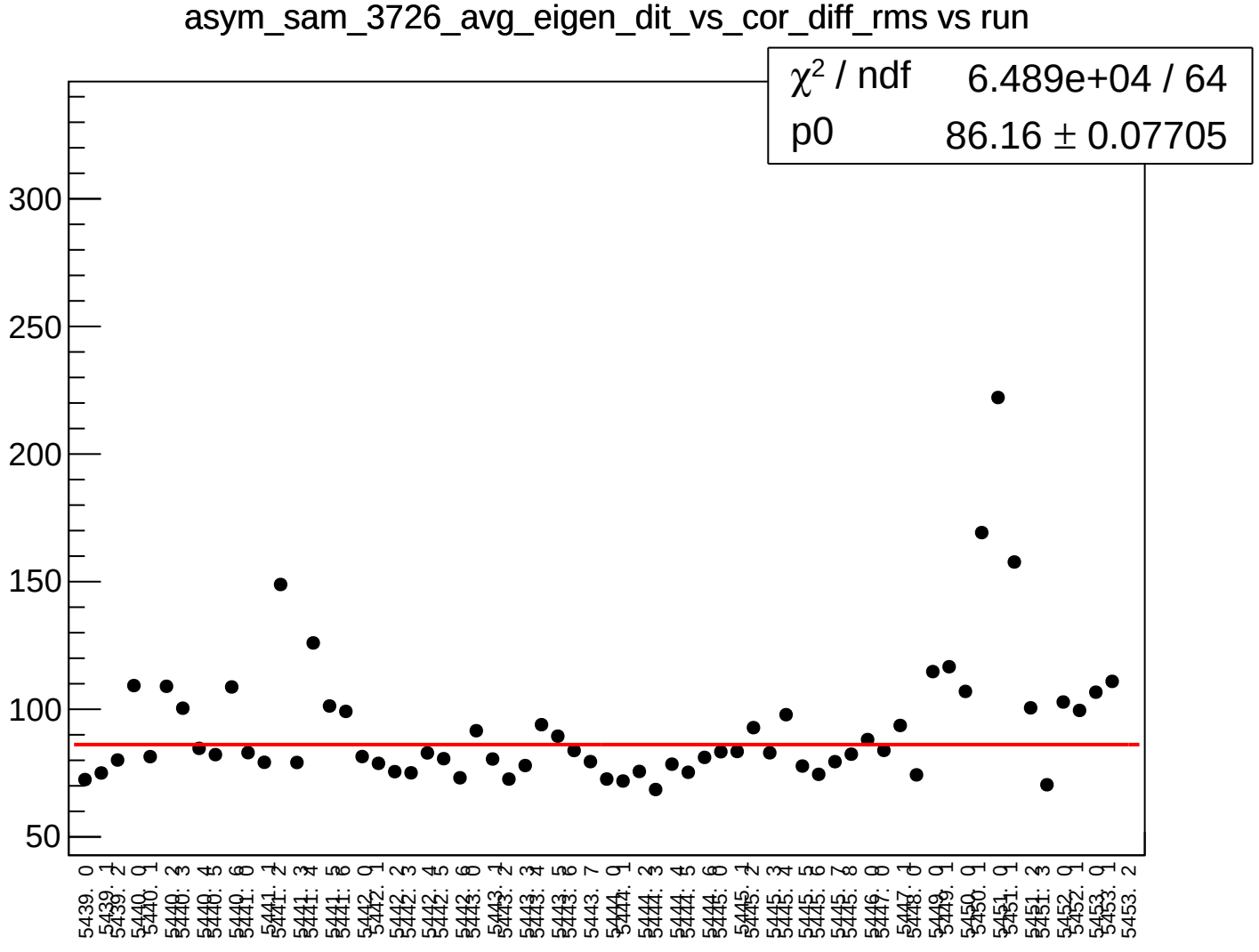

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.69 / 64
p0 3.221e−06 ± 3.094e−06
pull
Entries 65
Mean 2150
Std Dev 0

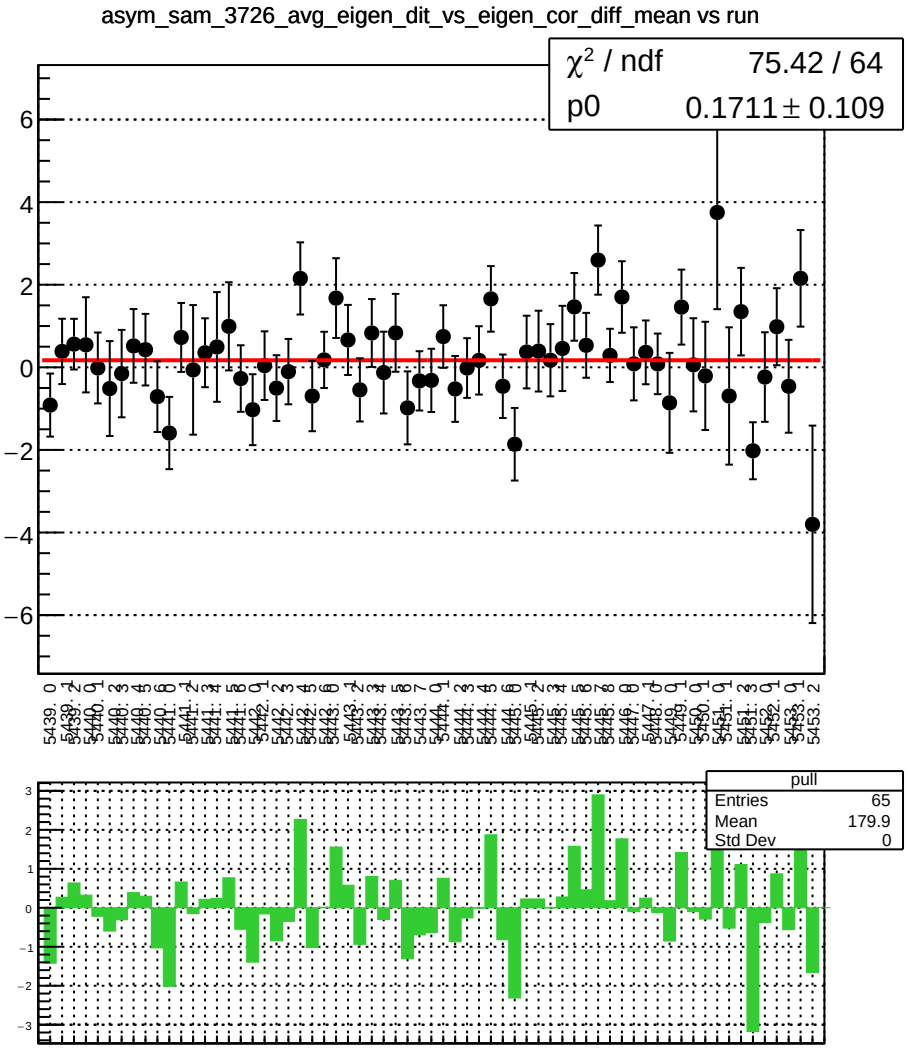

pull1D
Entries 65
Mean −0.0008656
Std Dev 1.035

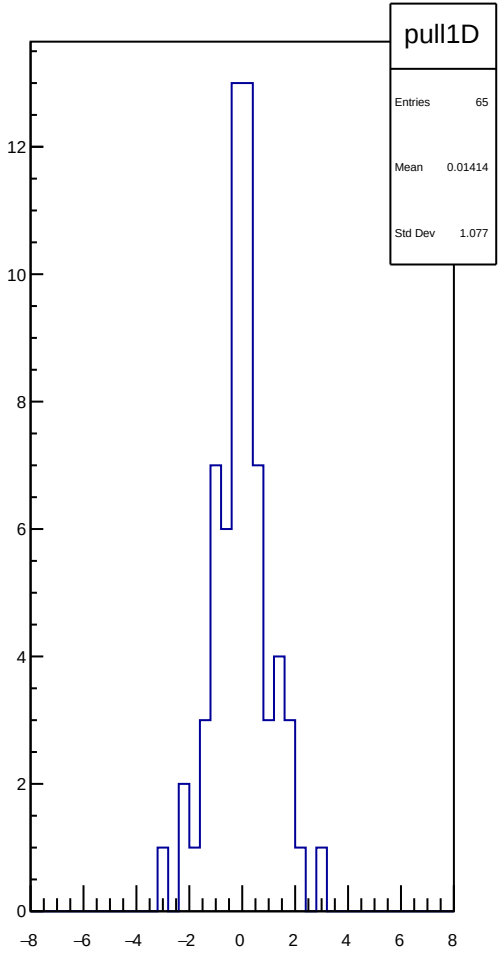

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.709e+04 / 64
p0 0.002484 ± 2.188e−06
0.006
0.005
0.004
0.003
0.002

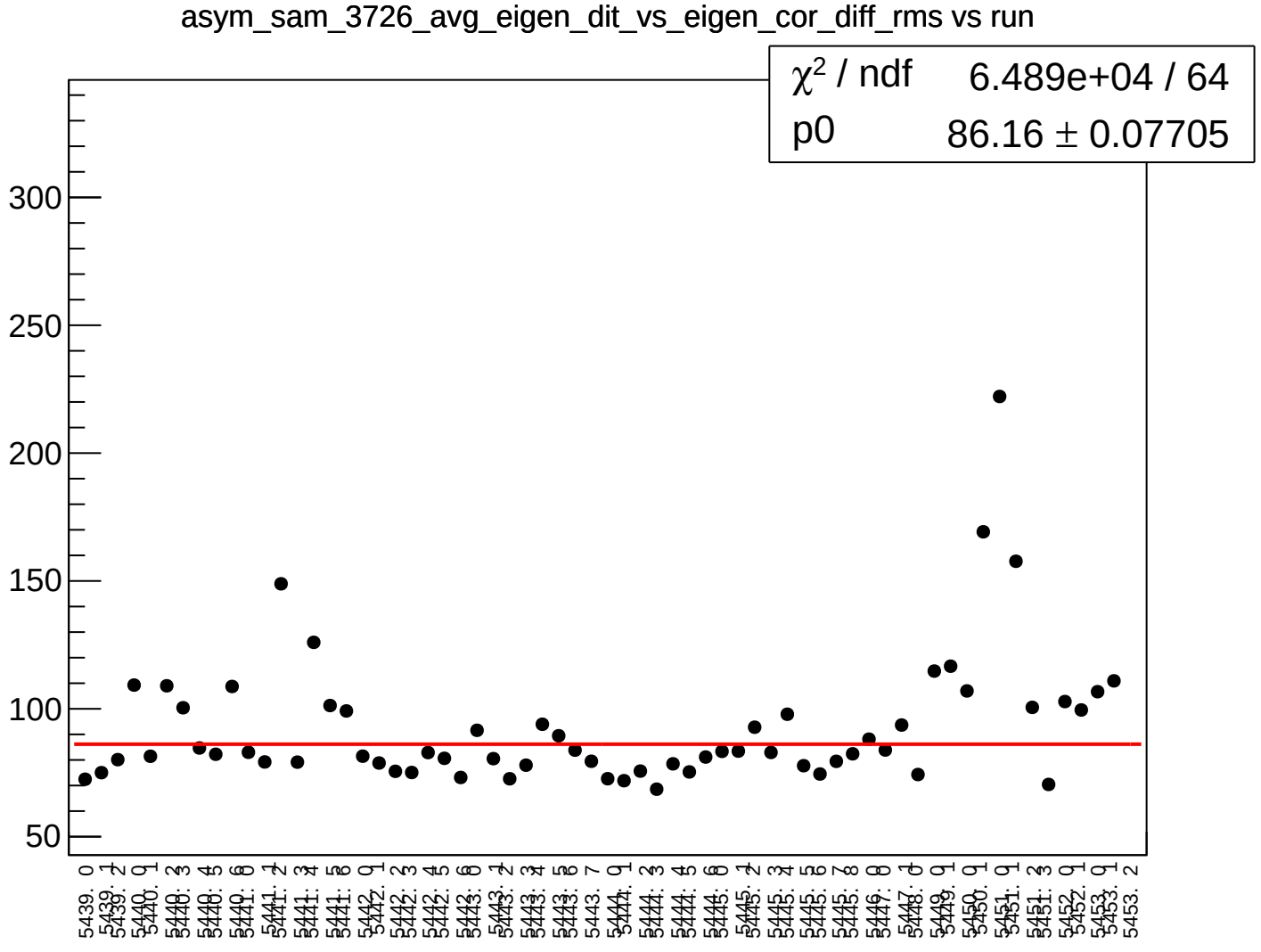

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.42 / 64
p0 0.1711 ± 0.109
pull
Entries 65
Mean 179.9
Std Dev 0

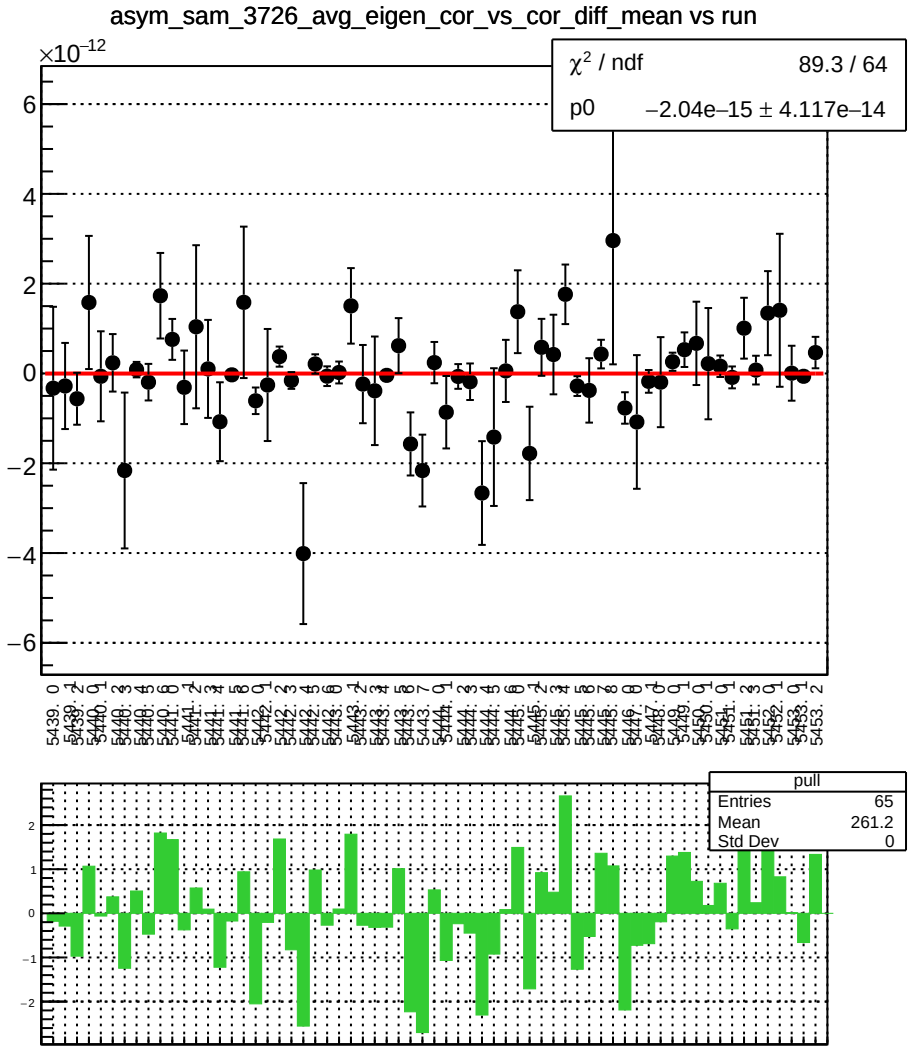

pull1D
Entries 65
Mean 0.01414
Std Dev 1.077

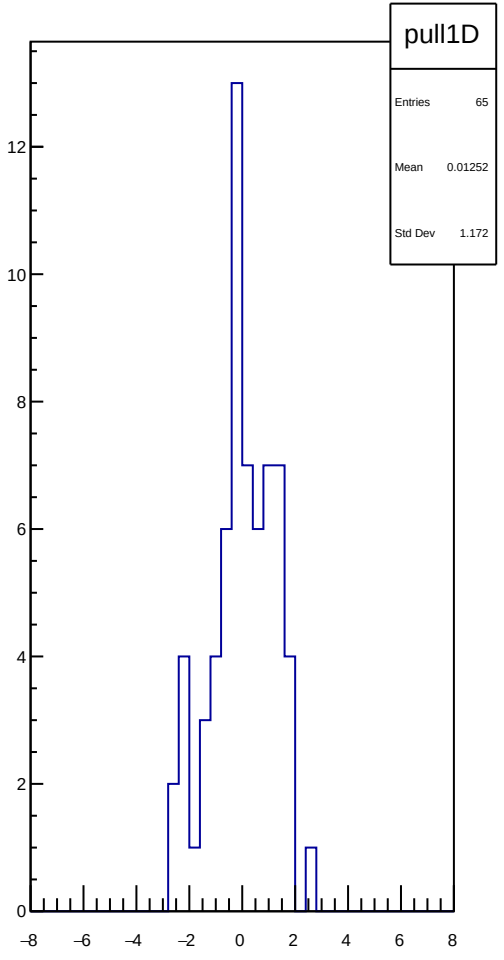

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 64
p0 86.16 ± 0.07705
300
250
200
150
100
50

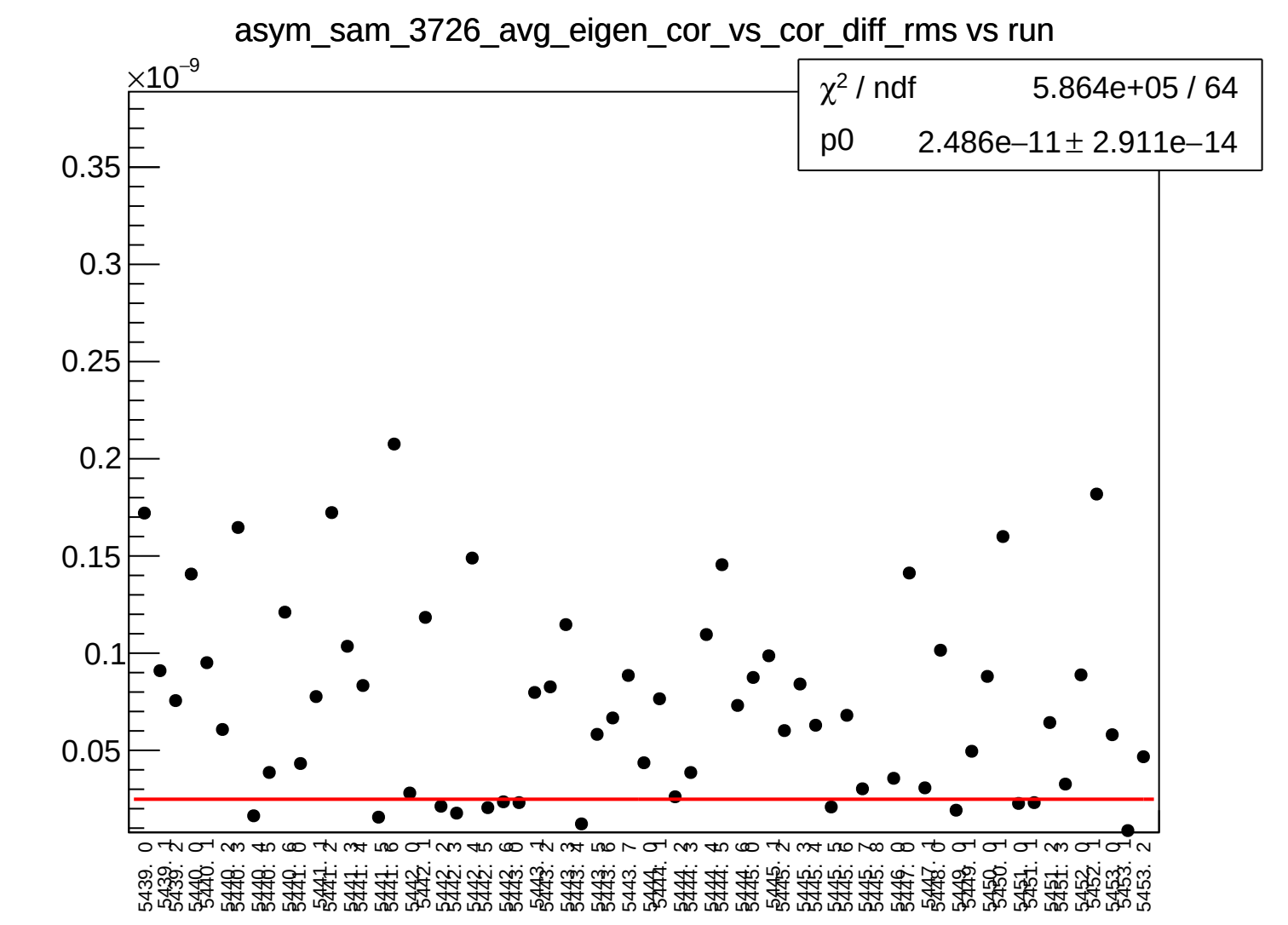

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.42 / 64
p0 0.1711 ± 0.109
pull
Entries 65
Mean 179.9
Std Dev 0

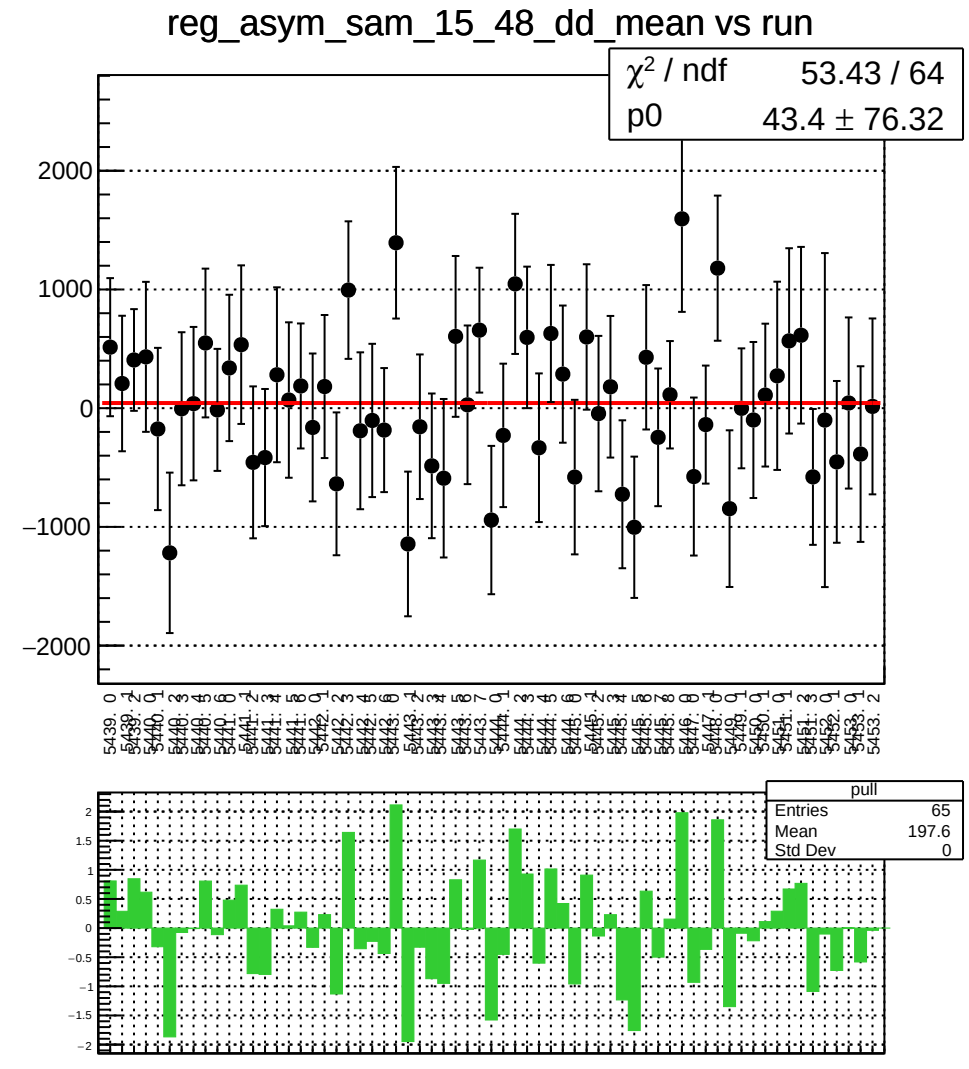

pull1D
Entries 65
Mean 0.01414
Std Dev 1.077

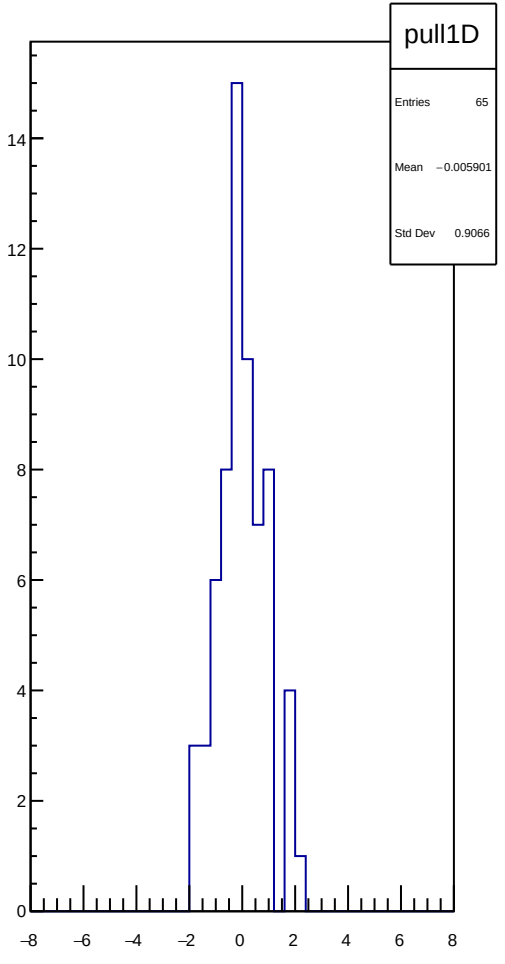

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 64
p0 86.16 ± 0.07705
300
250
200
150
100
50

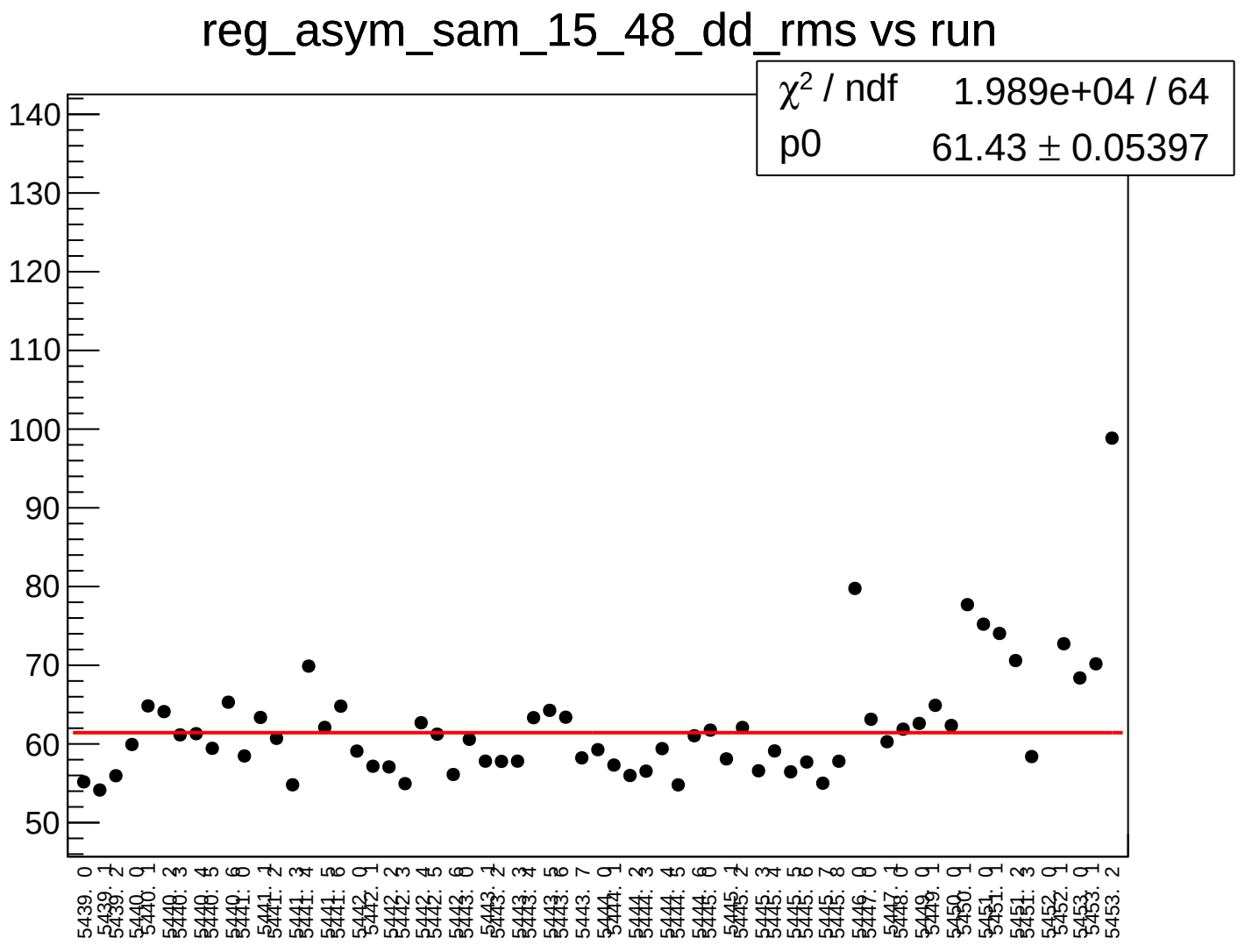

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.3 / 64
p0 −2.04e−15 ± 4.117e−14
pull
Entries 65
Mean 261.2
Std Dev 0

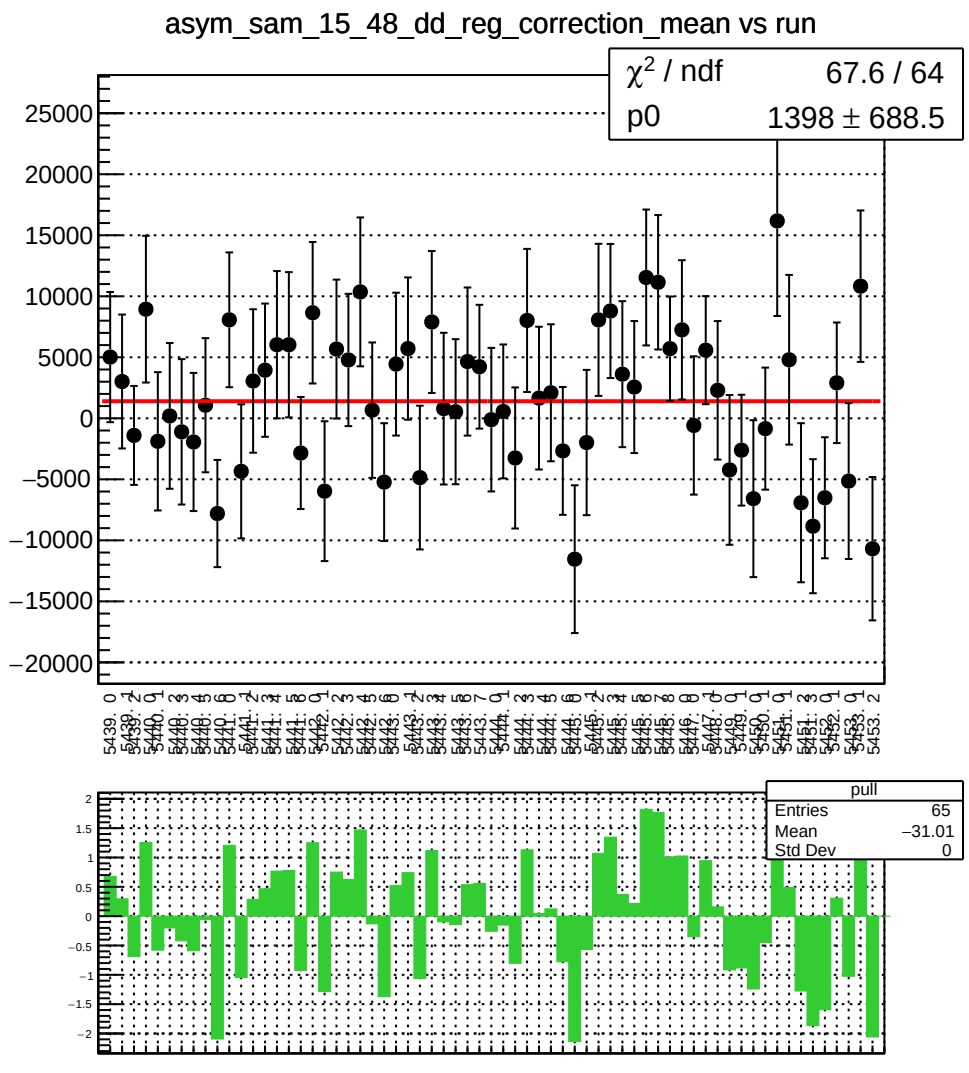

pull1D
Entries 65
Mean 0.01252
Std Dev 1.172

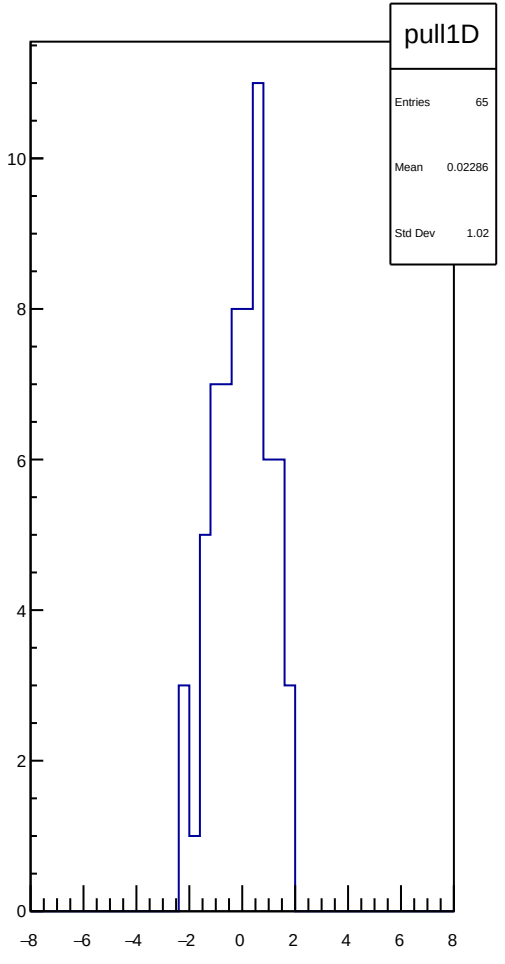

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.864e+05 / 64
p0 2.486e−11 ± 2.911e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

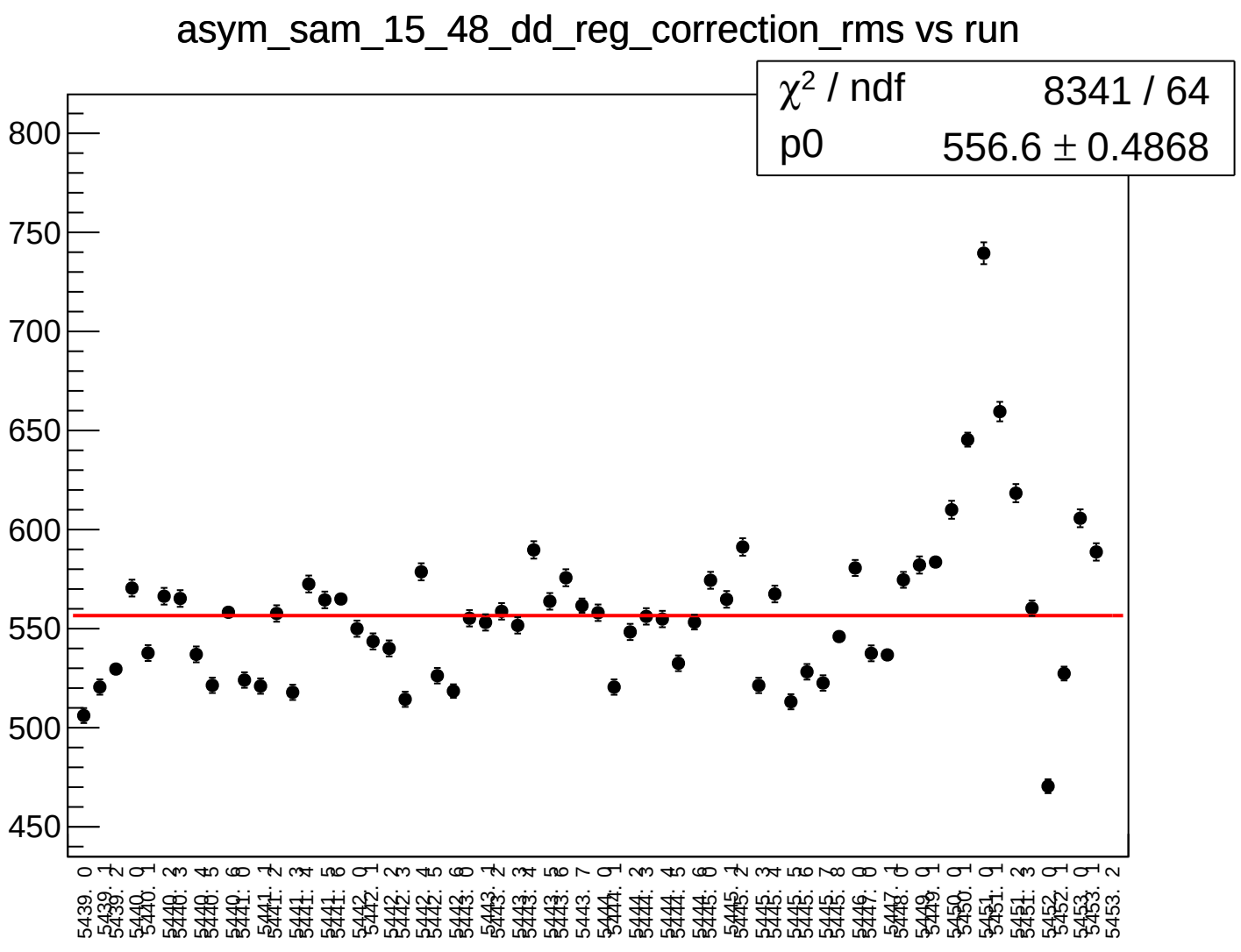

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.43 / 64
p0 43.4 ± 76.32
2000
1000
0
−1000
−2000
pull
Entries 65
Mean 197.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

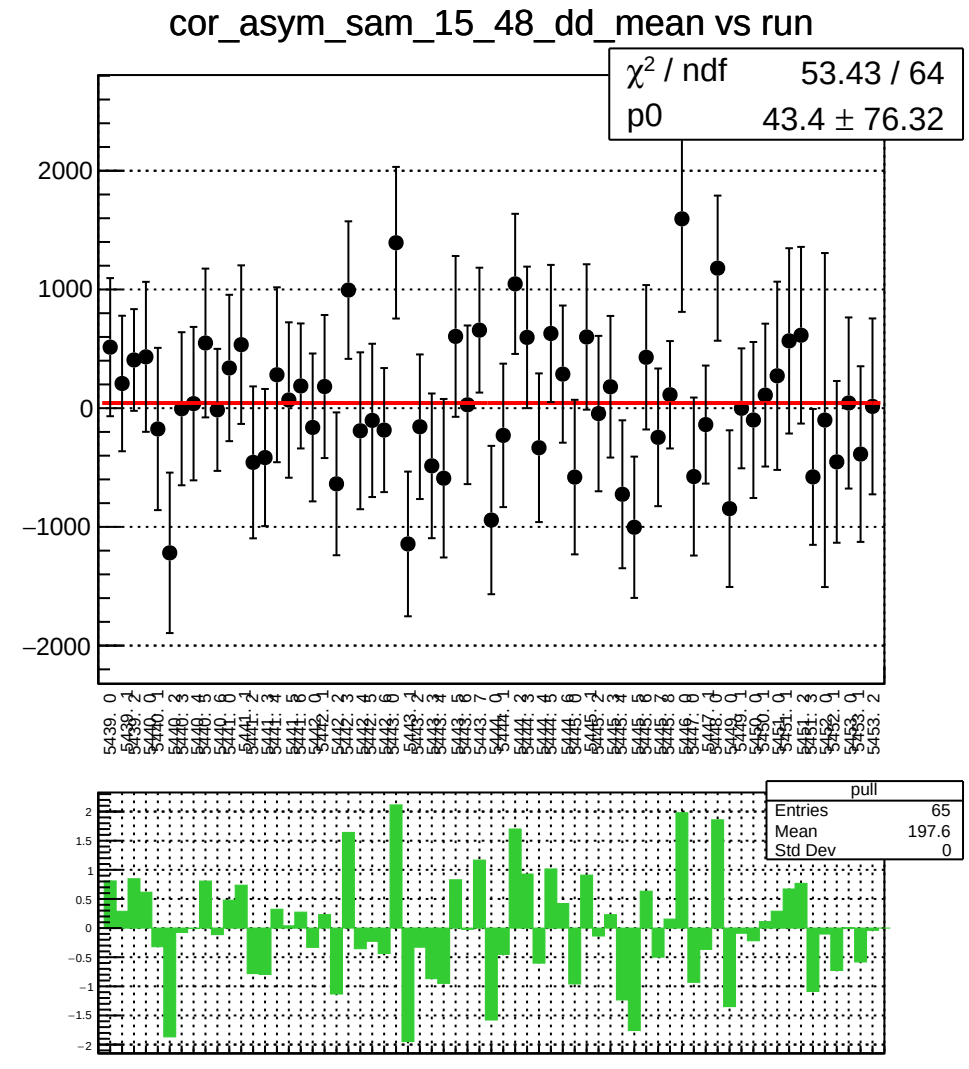

pull1D
Entries 65
Mean −0.005901
Std Dev 0.9066
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

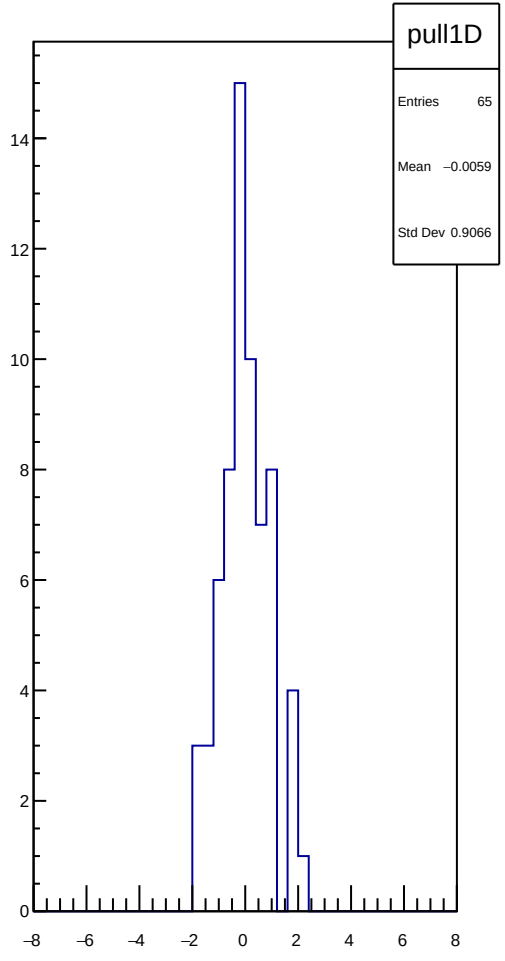

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.989e+04 / 64
p0 61.43 ± 0.05397
140
130
120
110
100
90
80
70
60
50

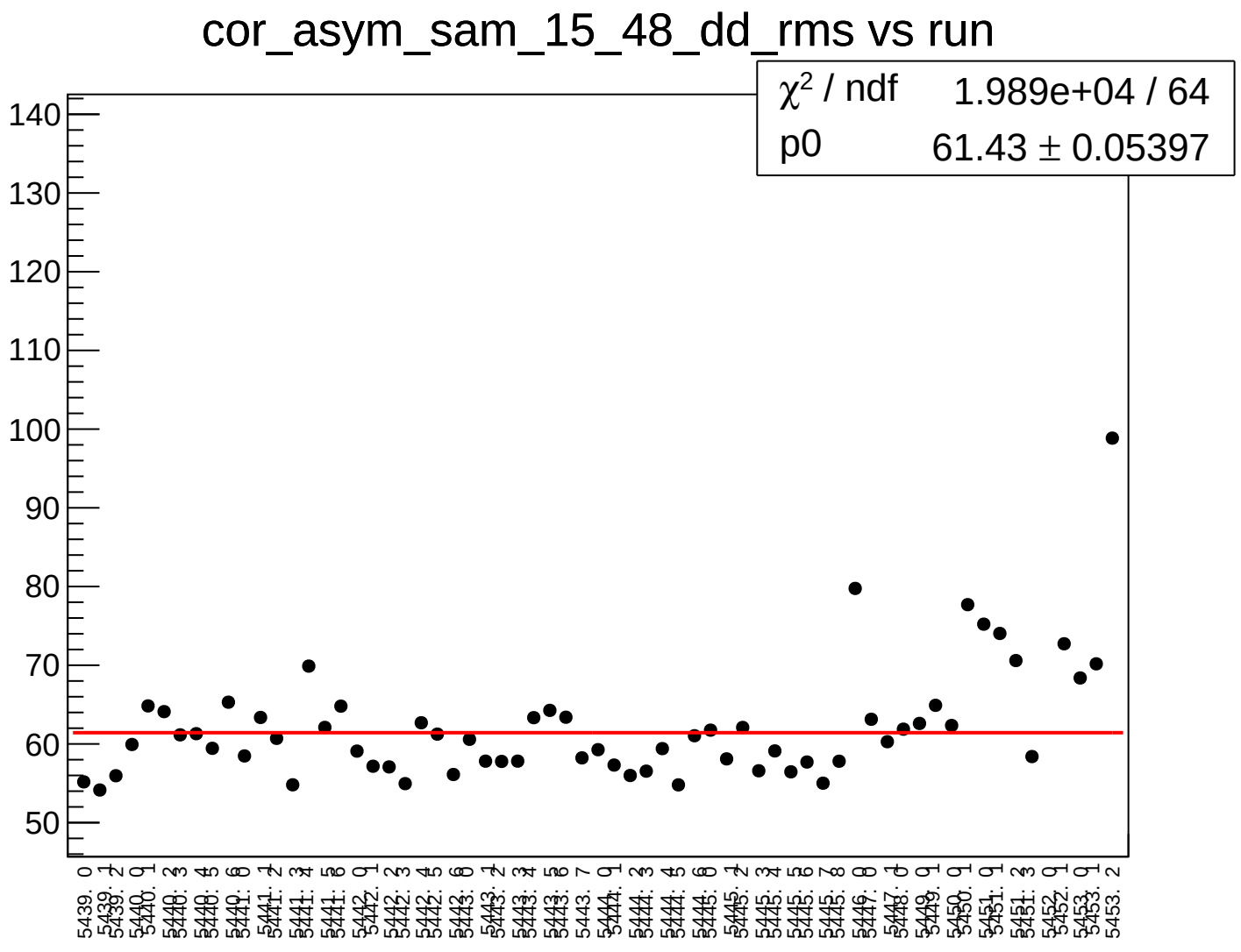

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 67.6 / 64
p0 1398 ± 688.5
pull
Entries 65
Mean −31.01
Std Dev 0

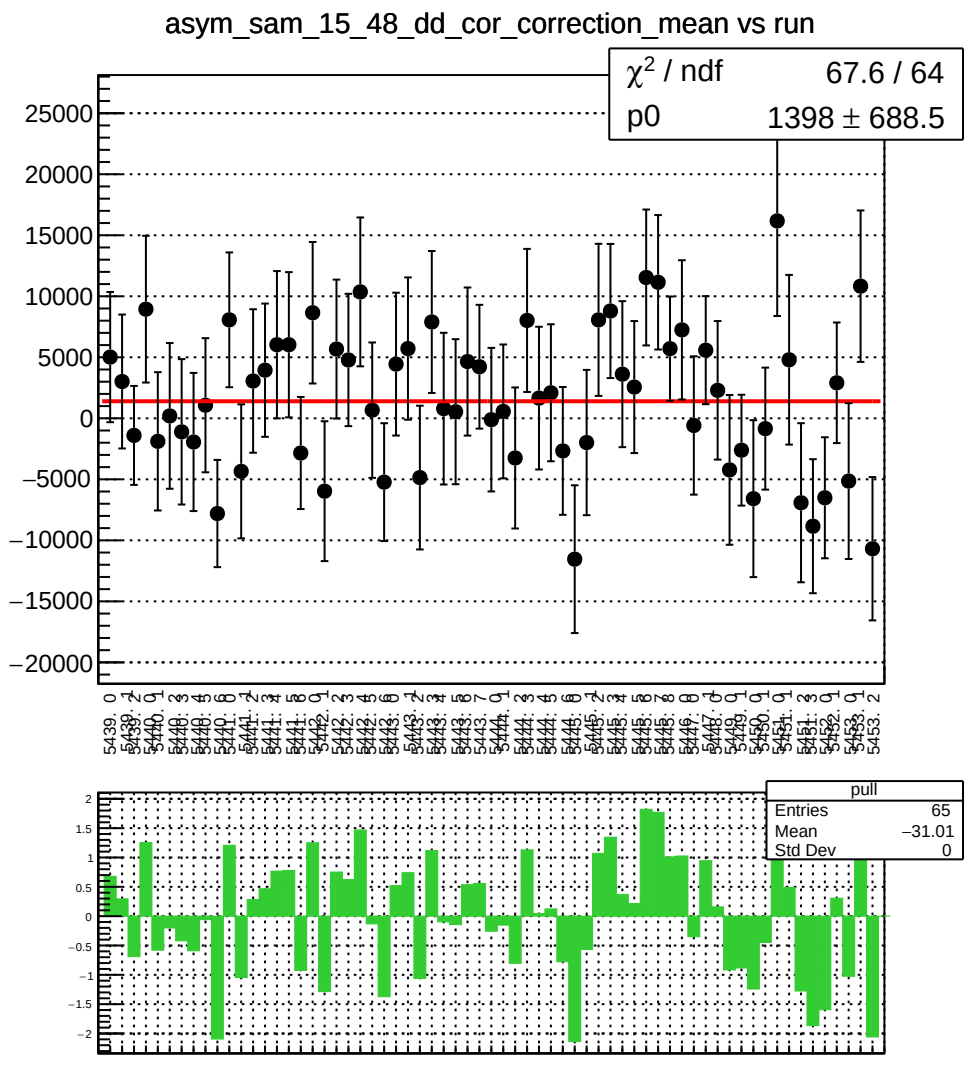

pull1D
Entries 65
Mean 0.02286
Std Dev 1.02

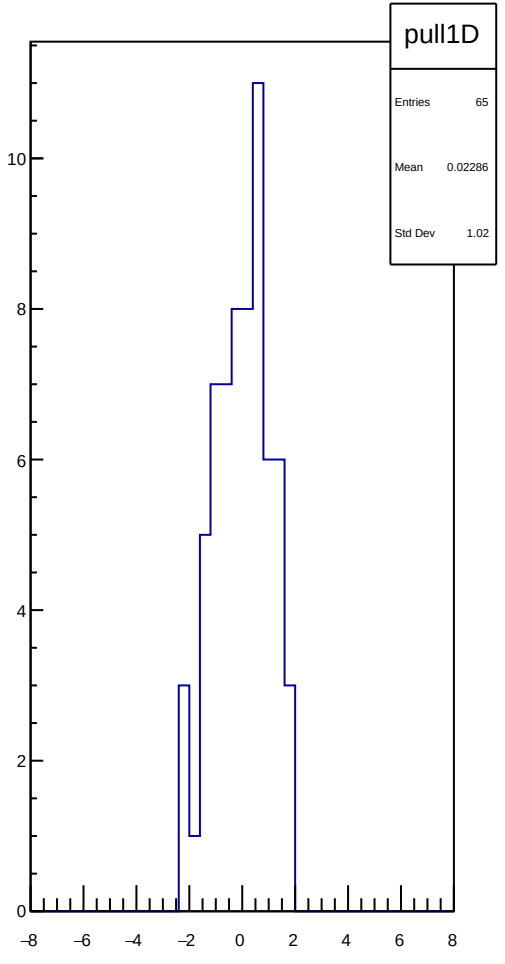

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 8341 / 64
p0 556.6 ± 0.4868
800
750
700
650
600
550
500
450

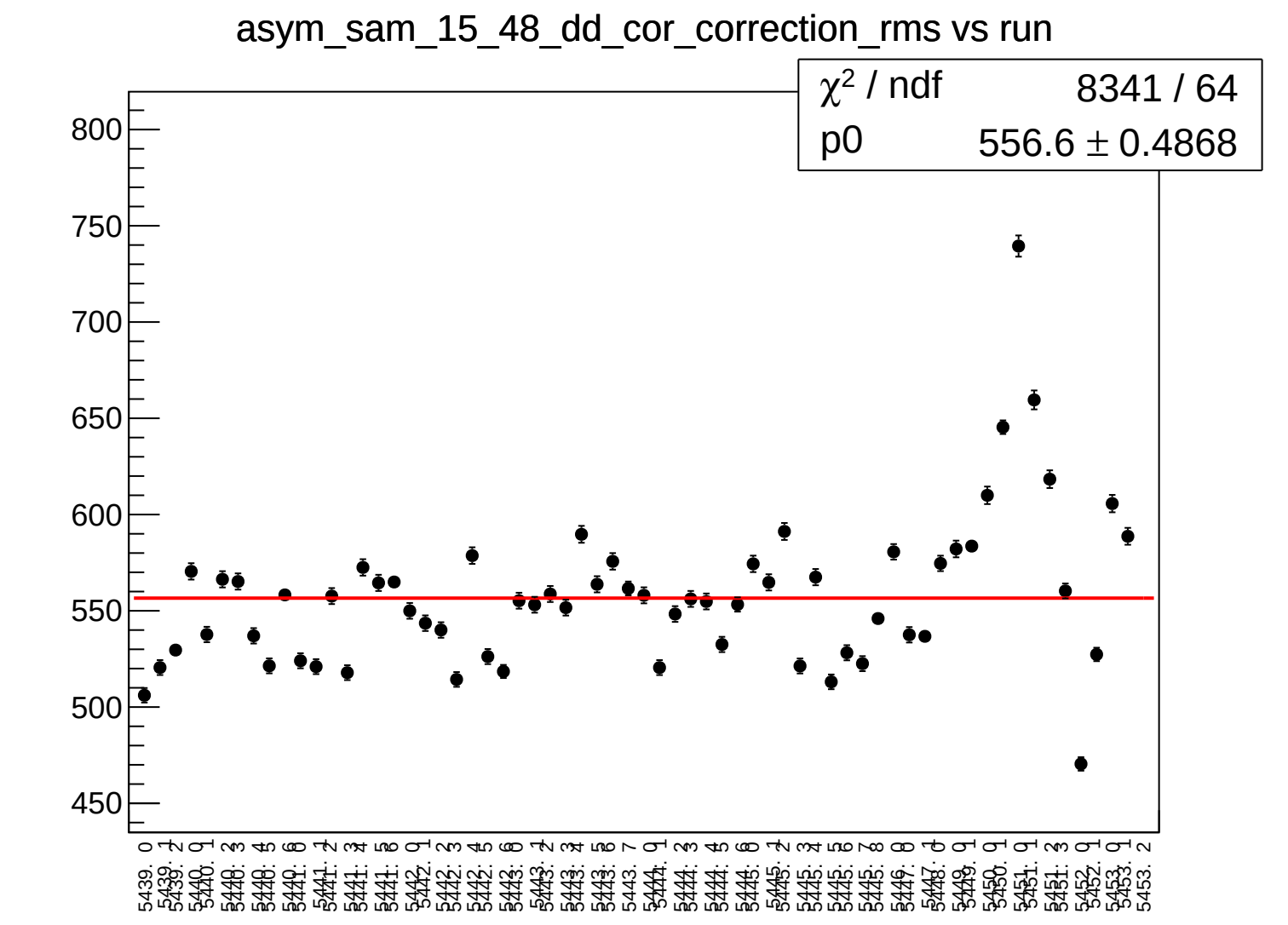

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.43 / 64
p0 43.4 ± 76.32
pull
Entries 65
Mean 197.6
Std Dev 0

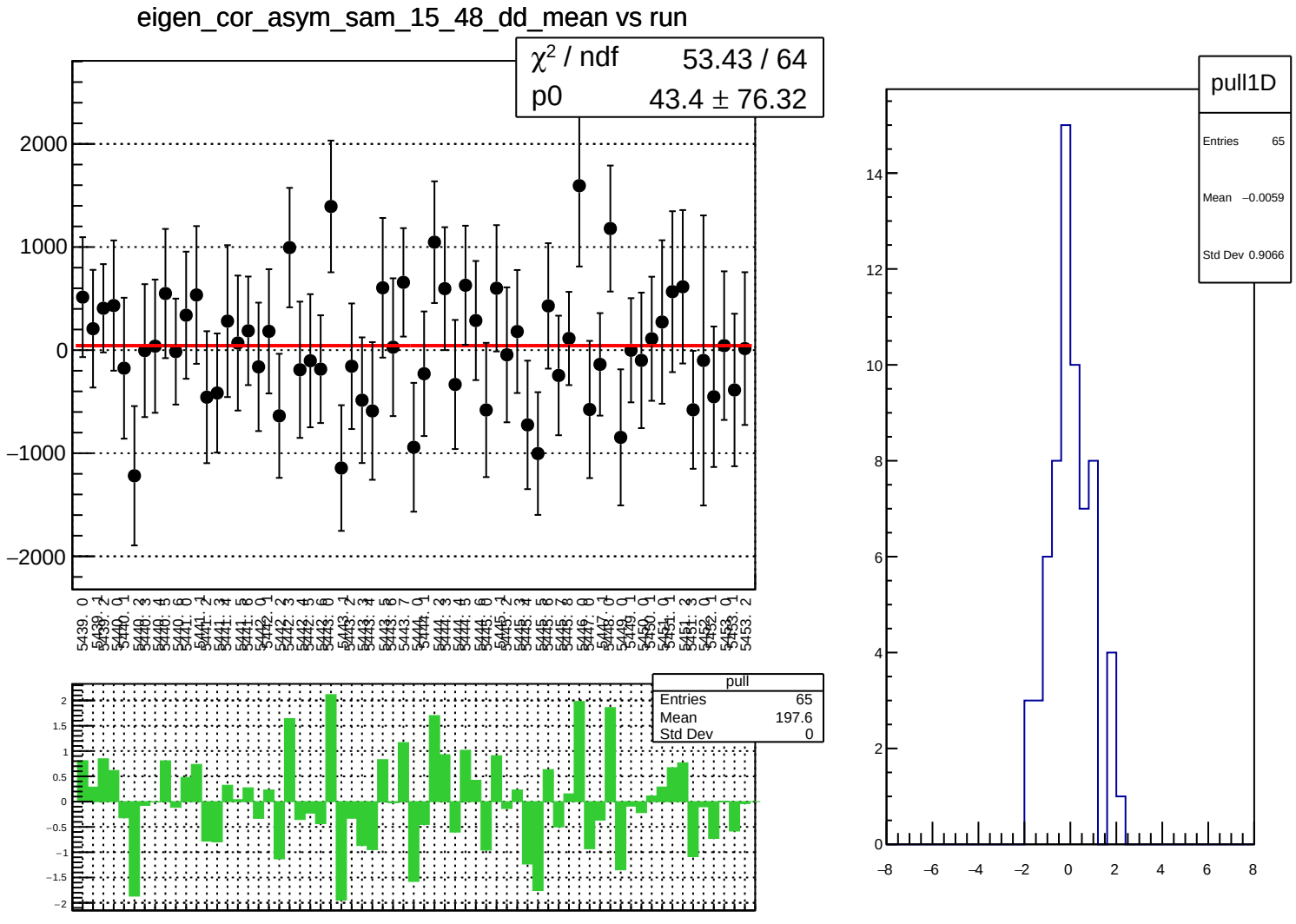

pull1D
Entries 65
Mean −0.0059
Std Dev 0.9066

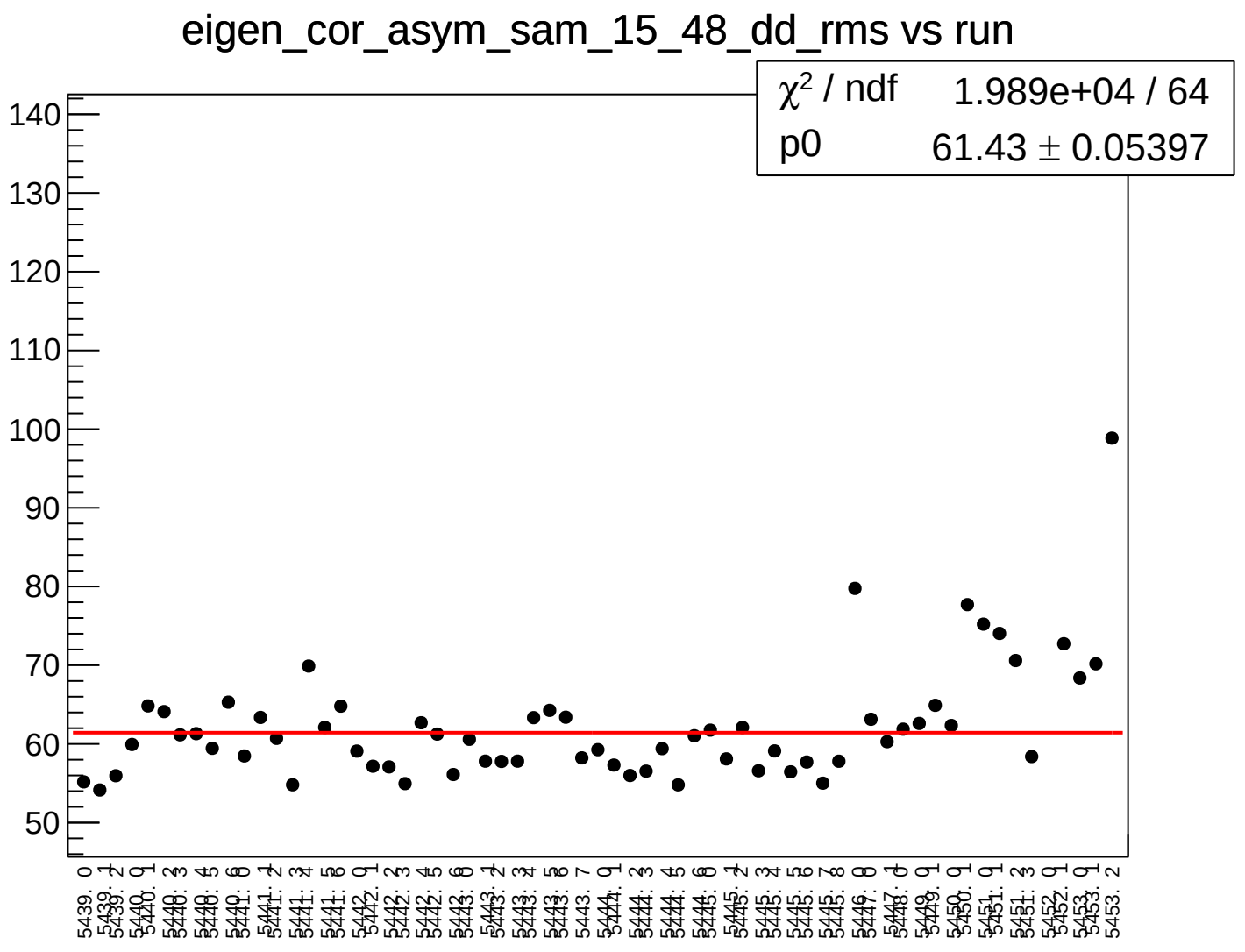

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.989e+04 / 64
p0 61.43 ± 0.05397
140
130
120
110
100
90
80
70
60
50

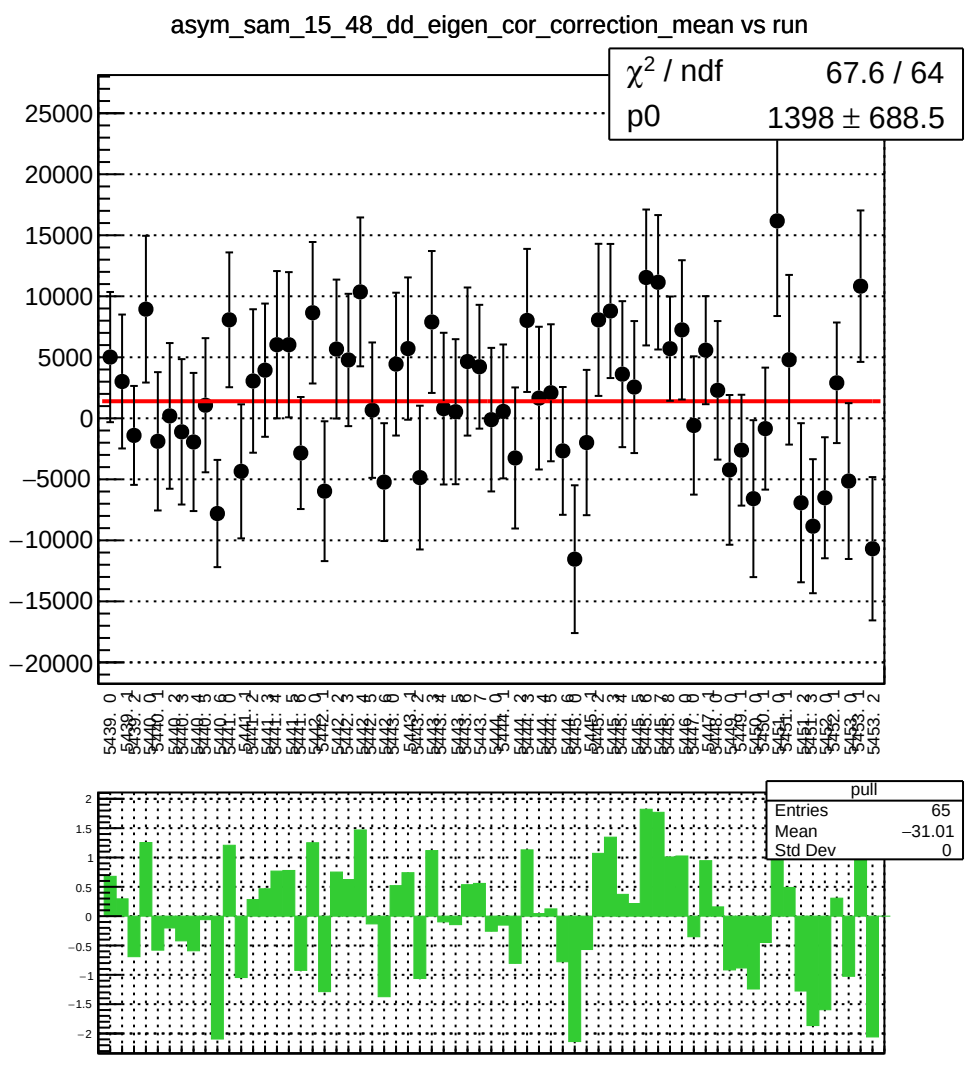

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 67.6 / 64
p0 1398 ± 688.5
pull
Entries 65
Mean −31.01
Std Dev 0

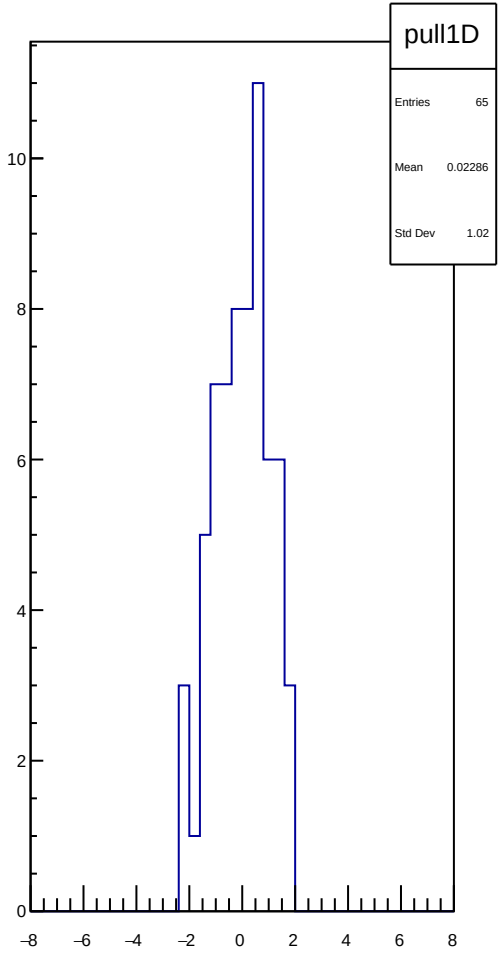

pull1D
Entries 65
Mean 0.02286
Std Dev 1.02

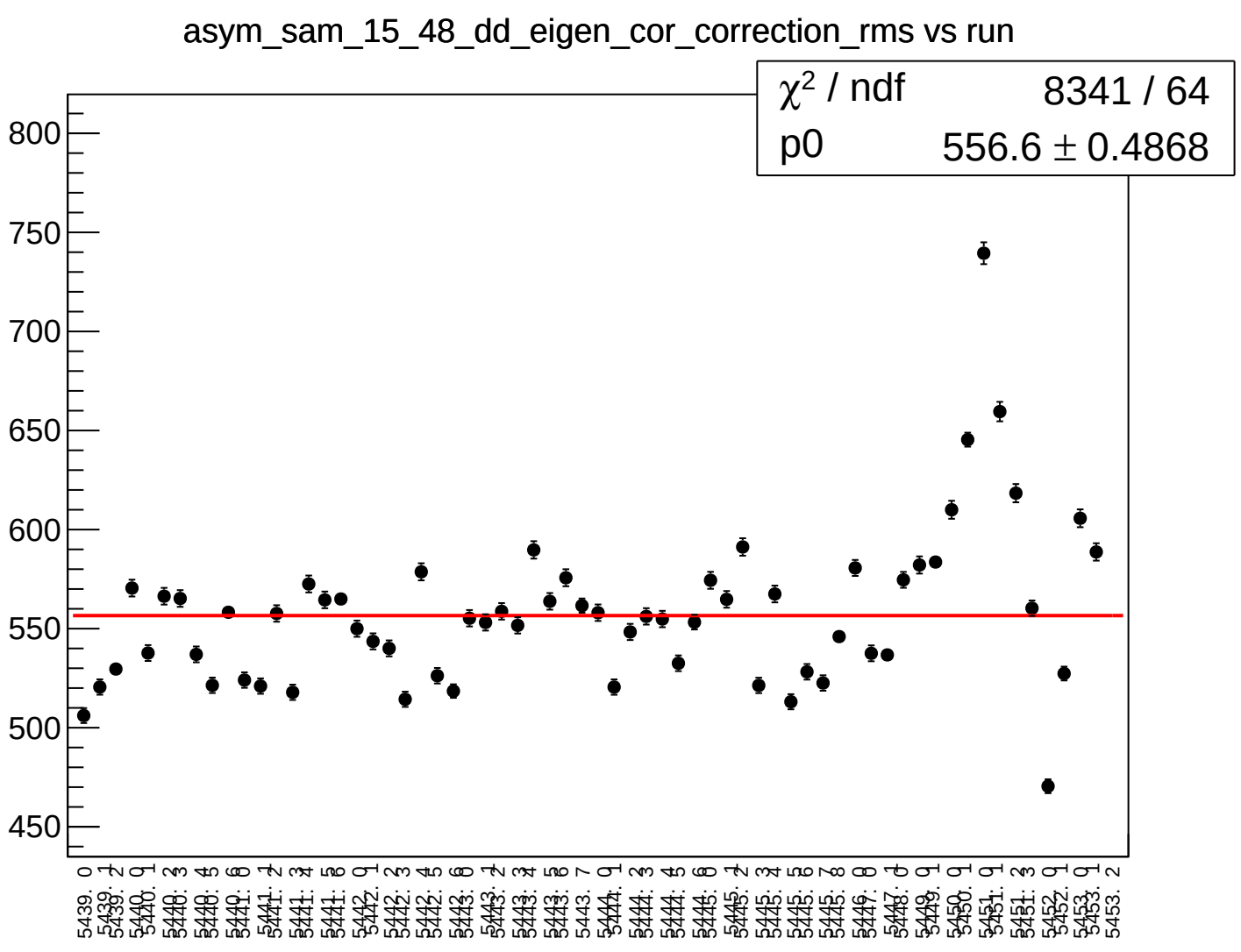

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 8341 / 64
p0 556.6 ± 0.4868
800
750
700
650
600
550
500
450

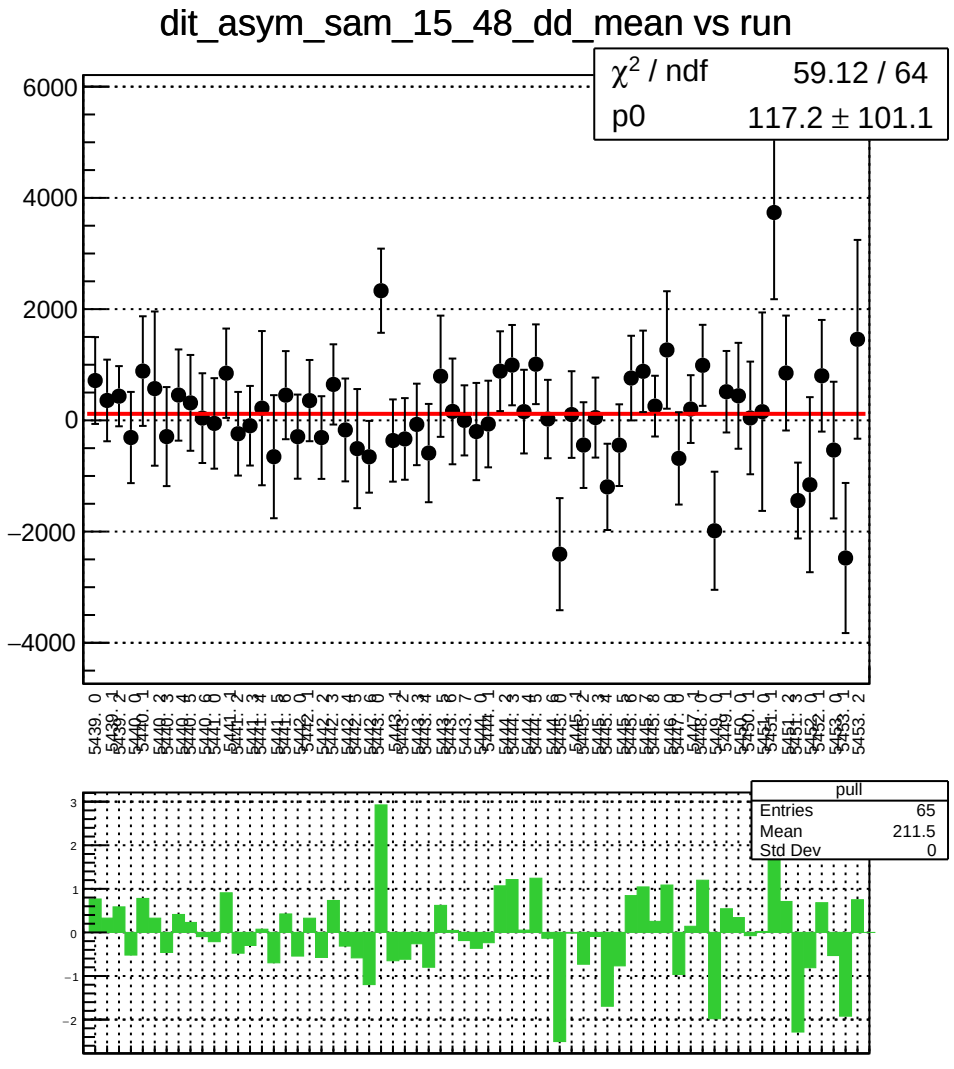

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.43 / 64
p0 43.4 ± 76.32
2000
1000
0
−1000
−2000
pull
Entries 65
Mean 197.6
Std Dev 0
pull1D
Entries 65
Mean −0.0059
Std Dev 0.9066

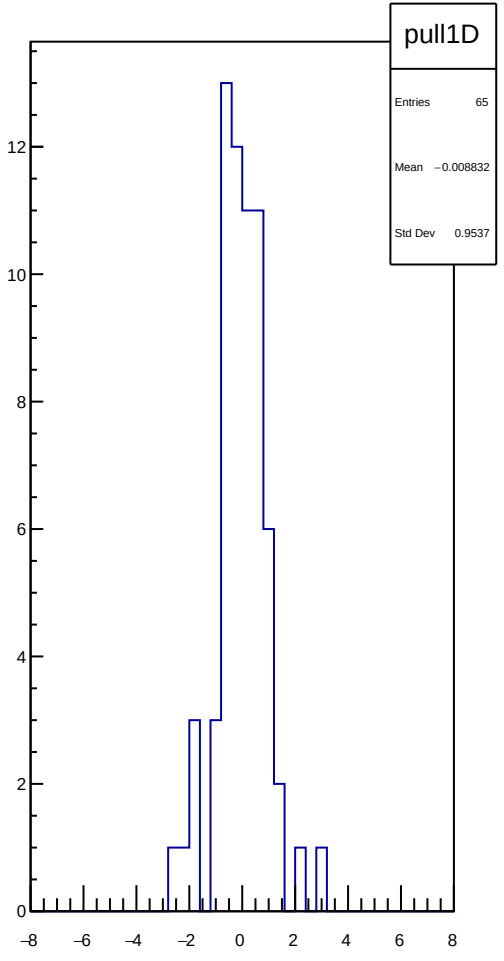

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.989e+04 / 64
p0 61.43 ± 0.05397
140
130
120
110
100
90
80
70
60
50

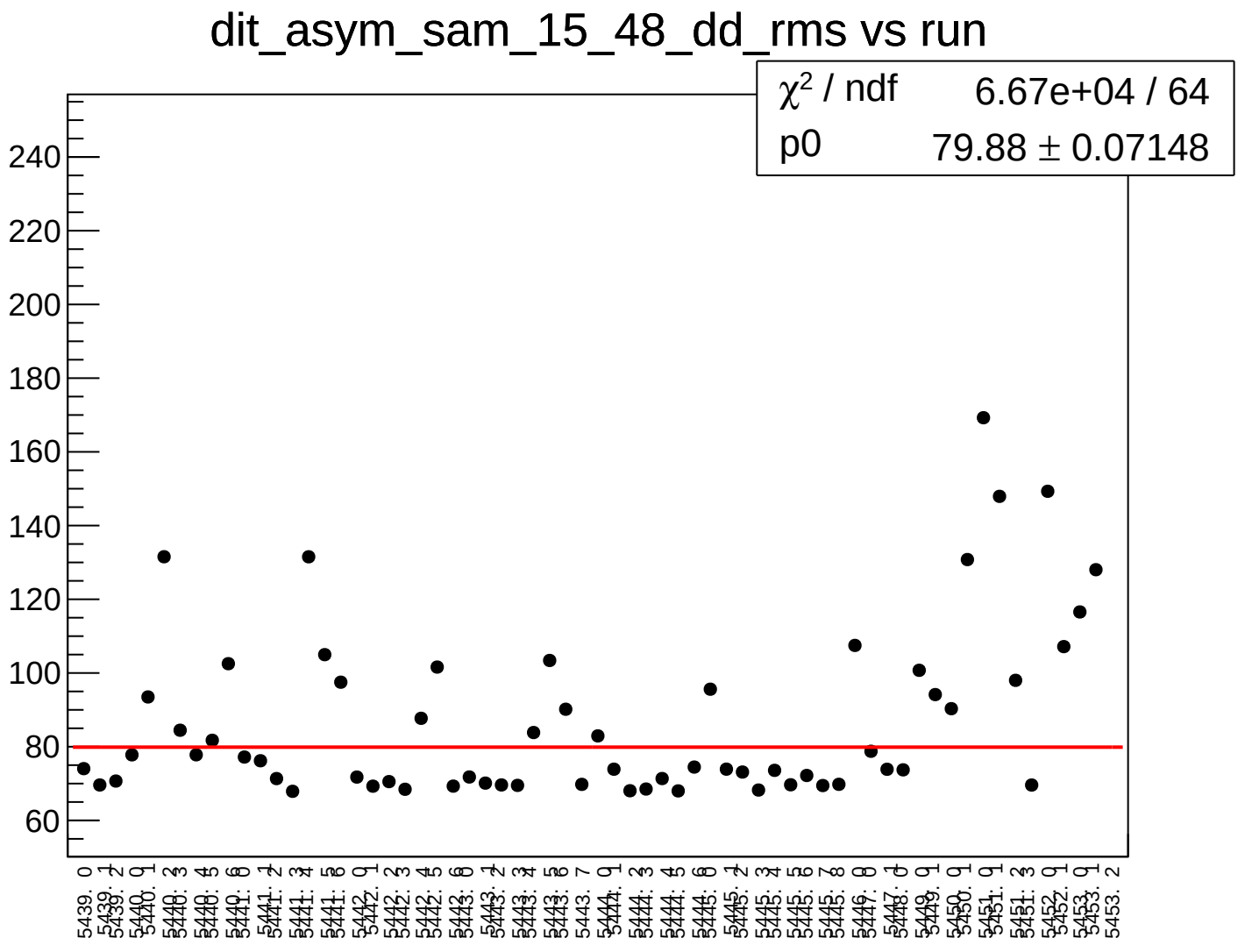

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.6 / 64
p0 1398 ± 688.5
pull
Entries 65
Mean −31.01
Std Dev 0

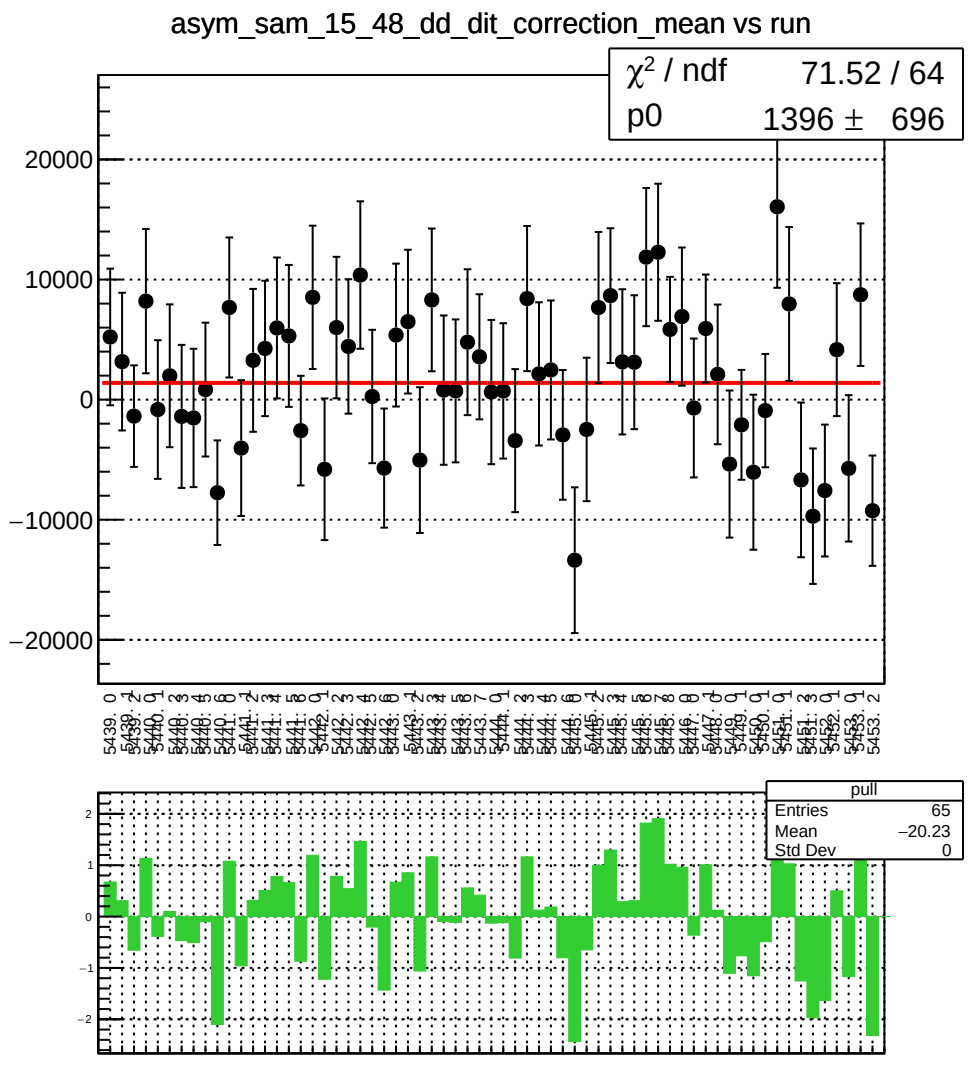

pull1D
Entries 65
Mean 0.02286
Std Dev 1.02

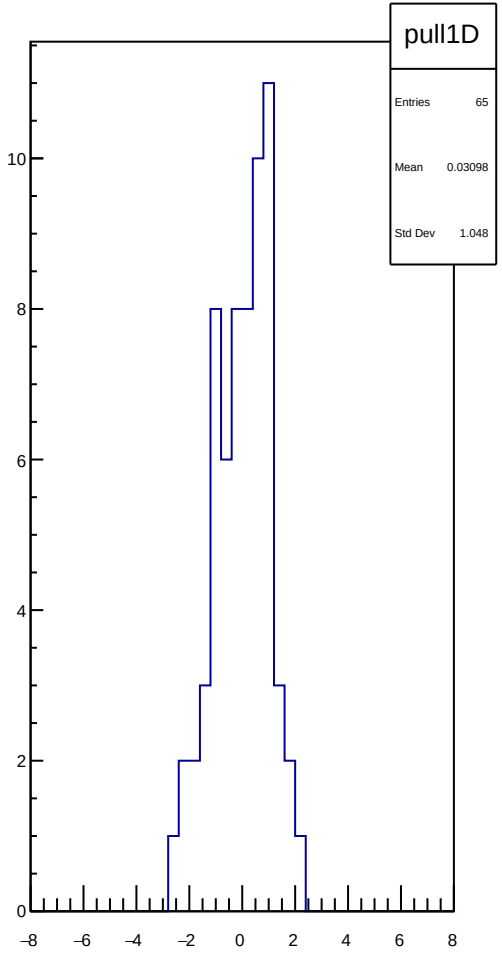

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 8341 / 64
p0 556.6 ± 0.4868
800
750
700
650
600
550
500
450

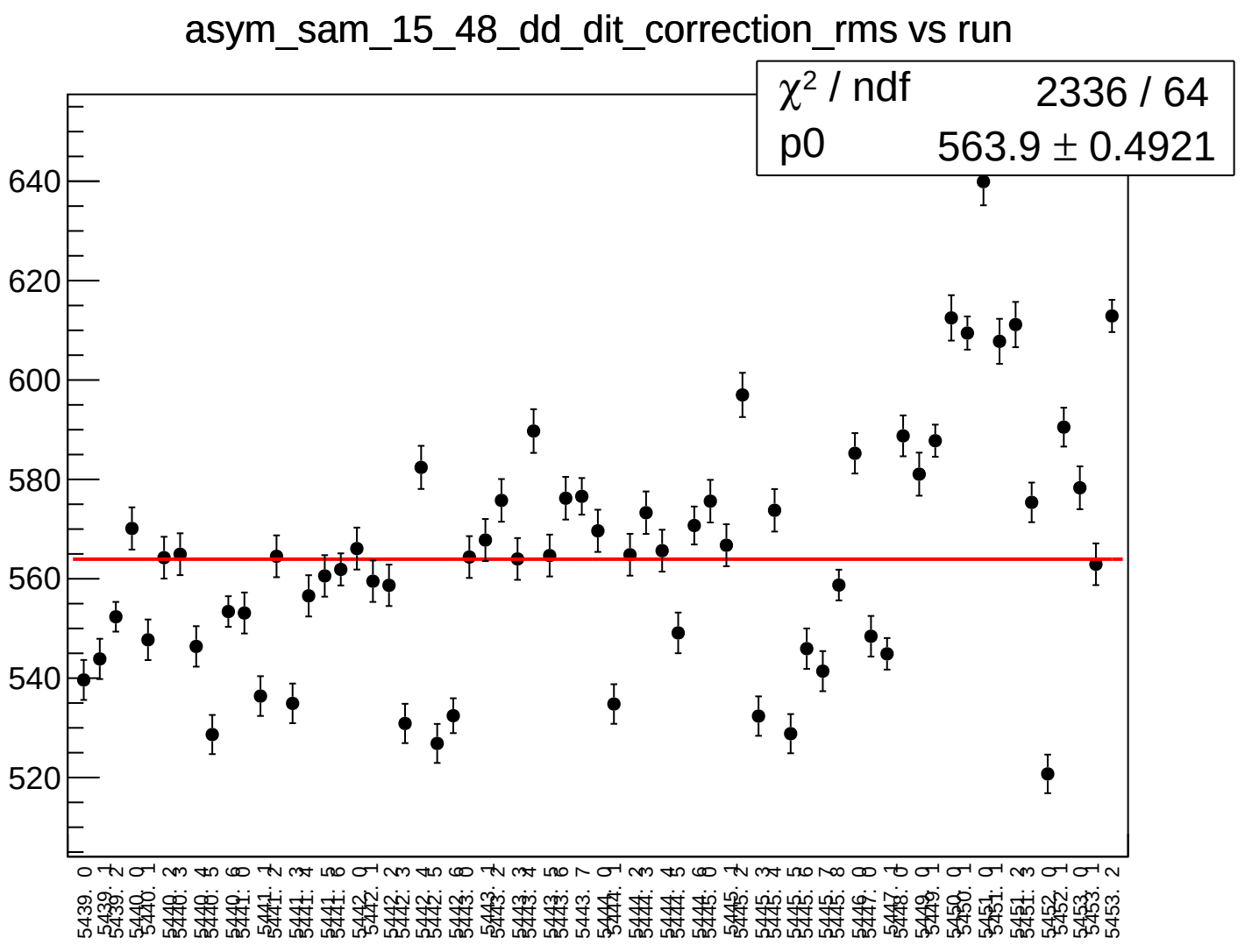

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 59.12 / 64
p0 117.2 ± 101.1
6000
4000
2000
0
−2000
−4000
pull
Entries 65
Mean 211.5
Std Dev 0
3
2
1
0
−1
−2

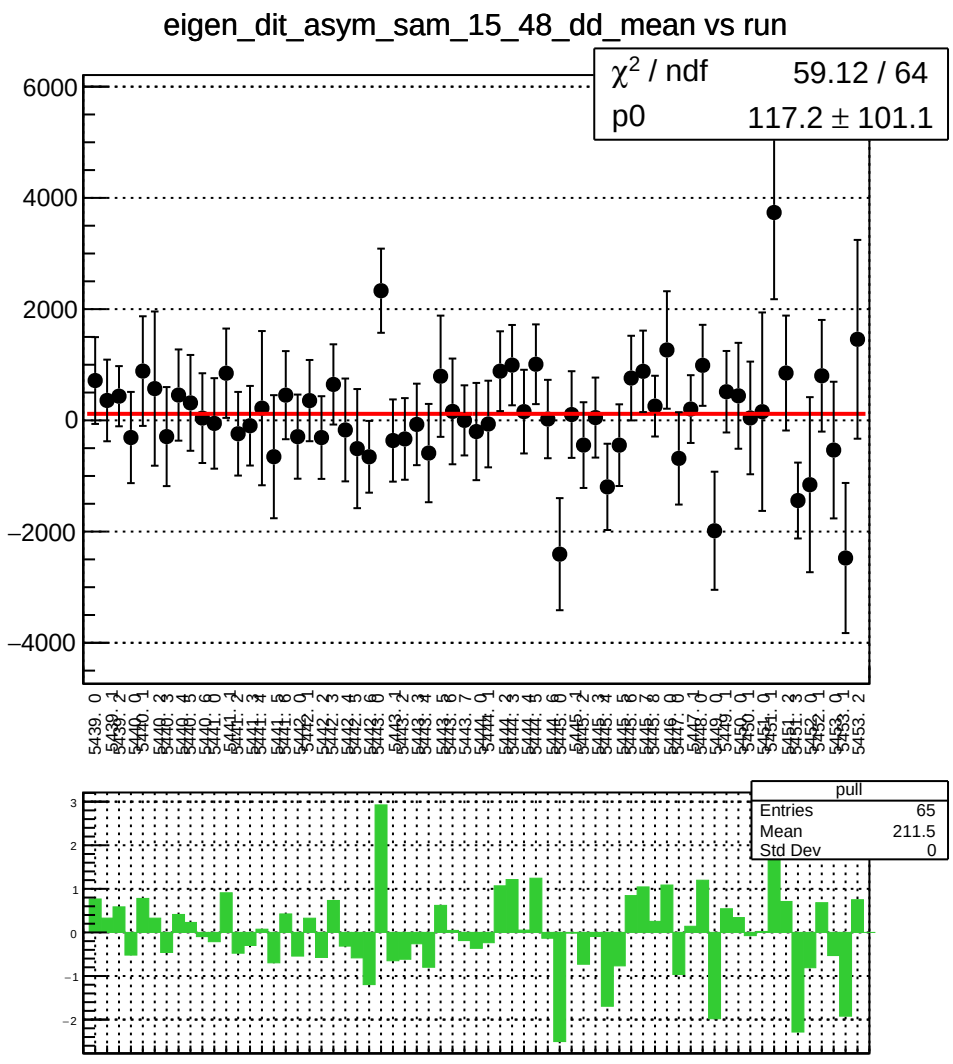

pull1D
Entries 65
Mean −0.008832
Std Dev 0.9537
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

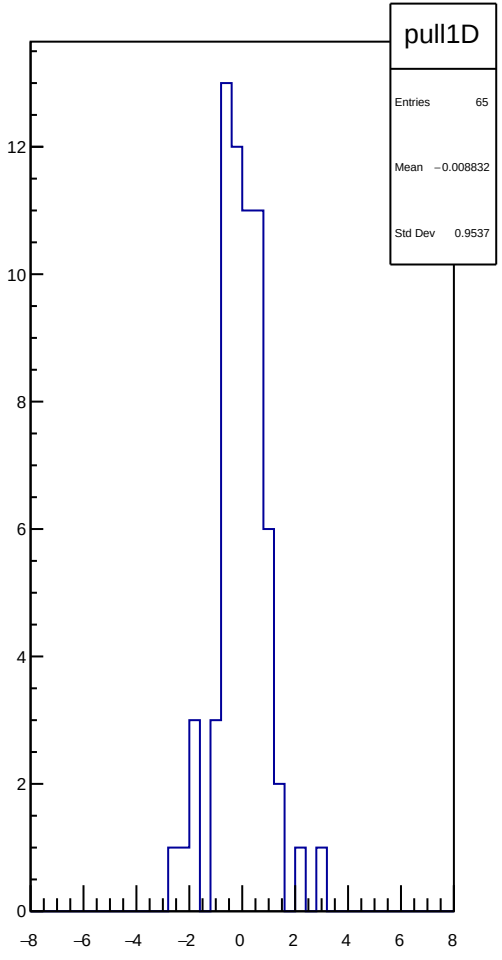

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 6.67e+04 / 64
p0 79.88 ± 0.07148
240
220
200
180
160
140
120
100
80
60

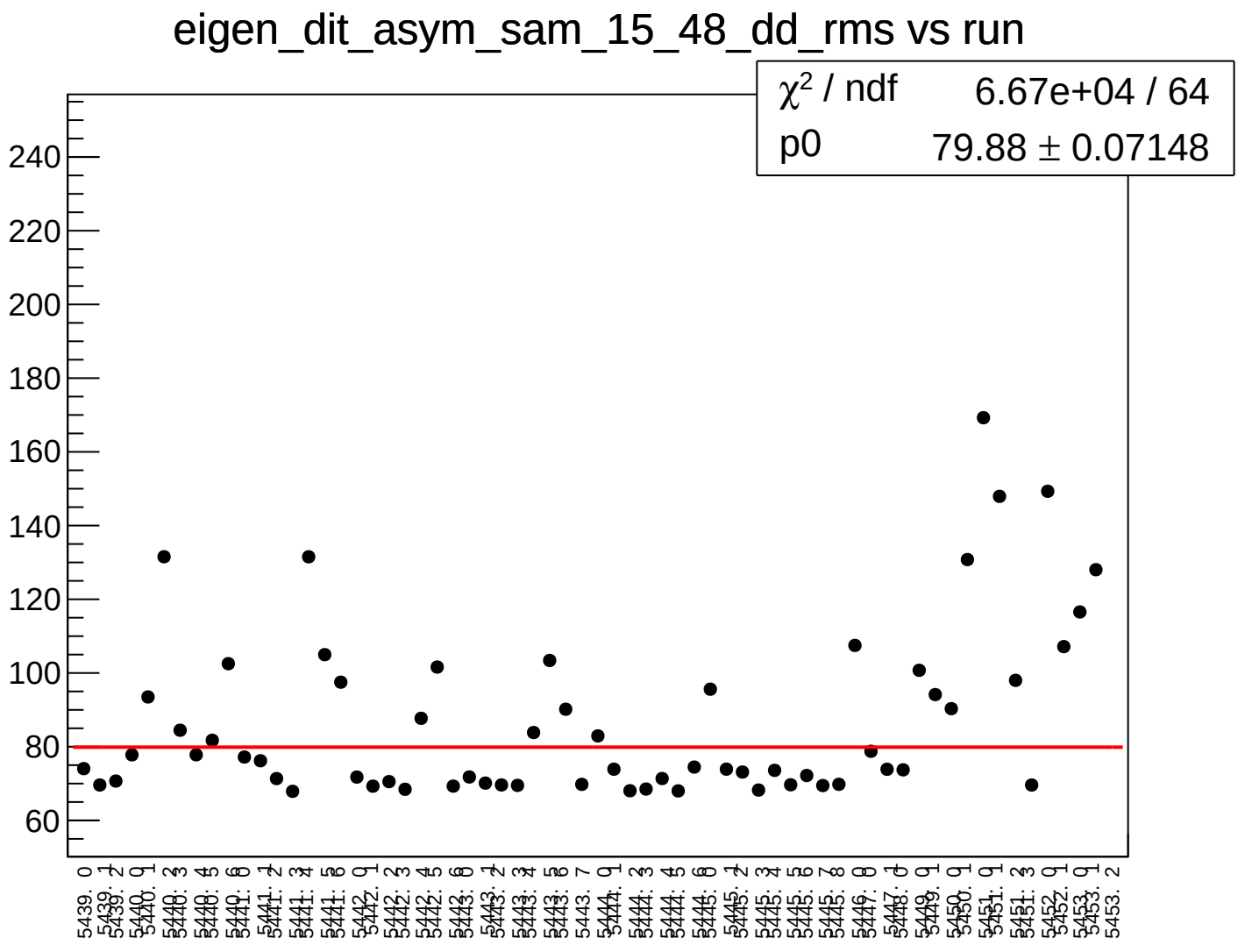

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 71.52 / 64
p0 1396 ± 696
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −20.23
Std Dev 0
2
1
0
−1
−2

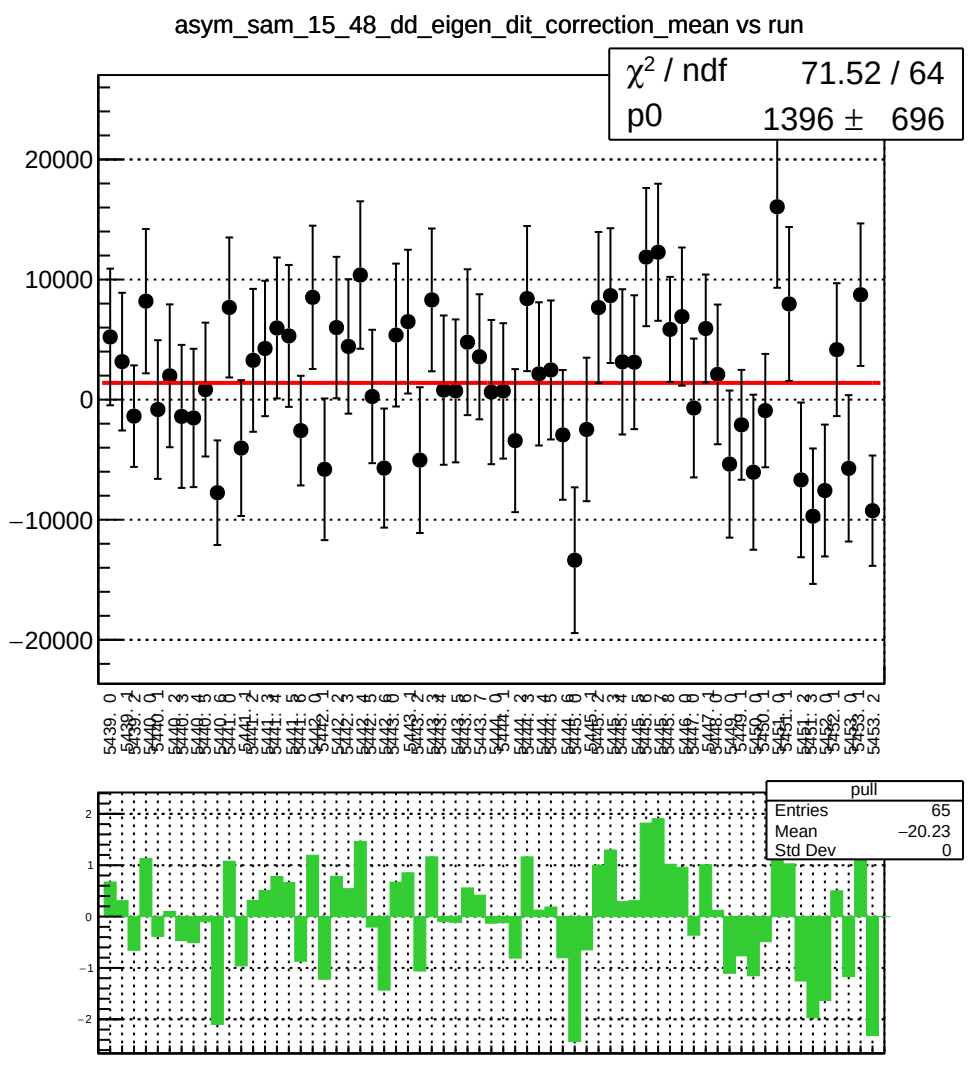

pull1D
Entries 65
Mean 0.03098
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

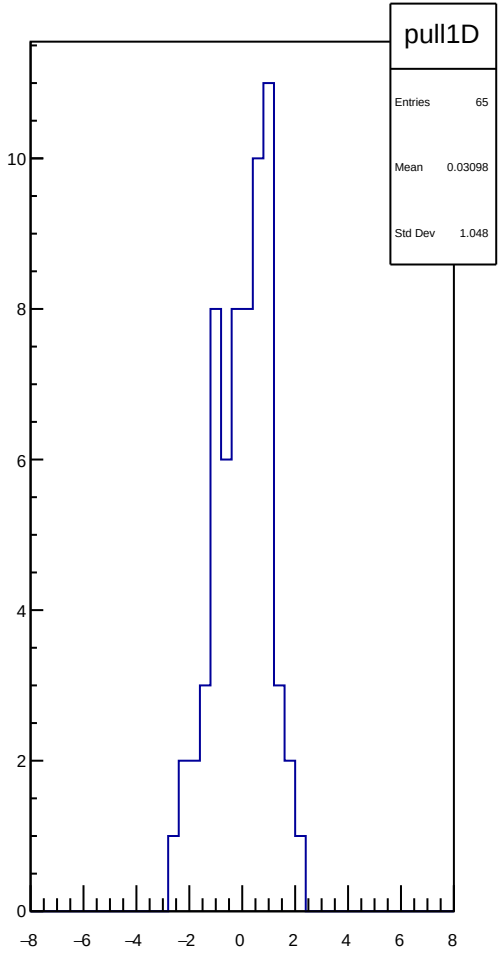

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2336 / 64
p0 563.9 ± 0.4921
640
620
600
580
560
540
520

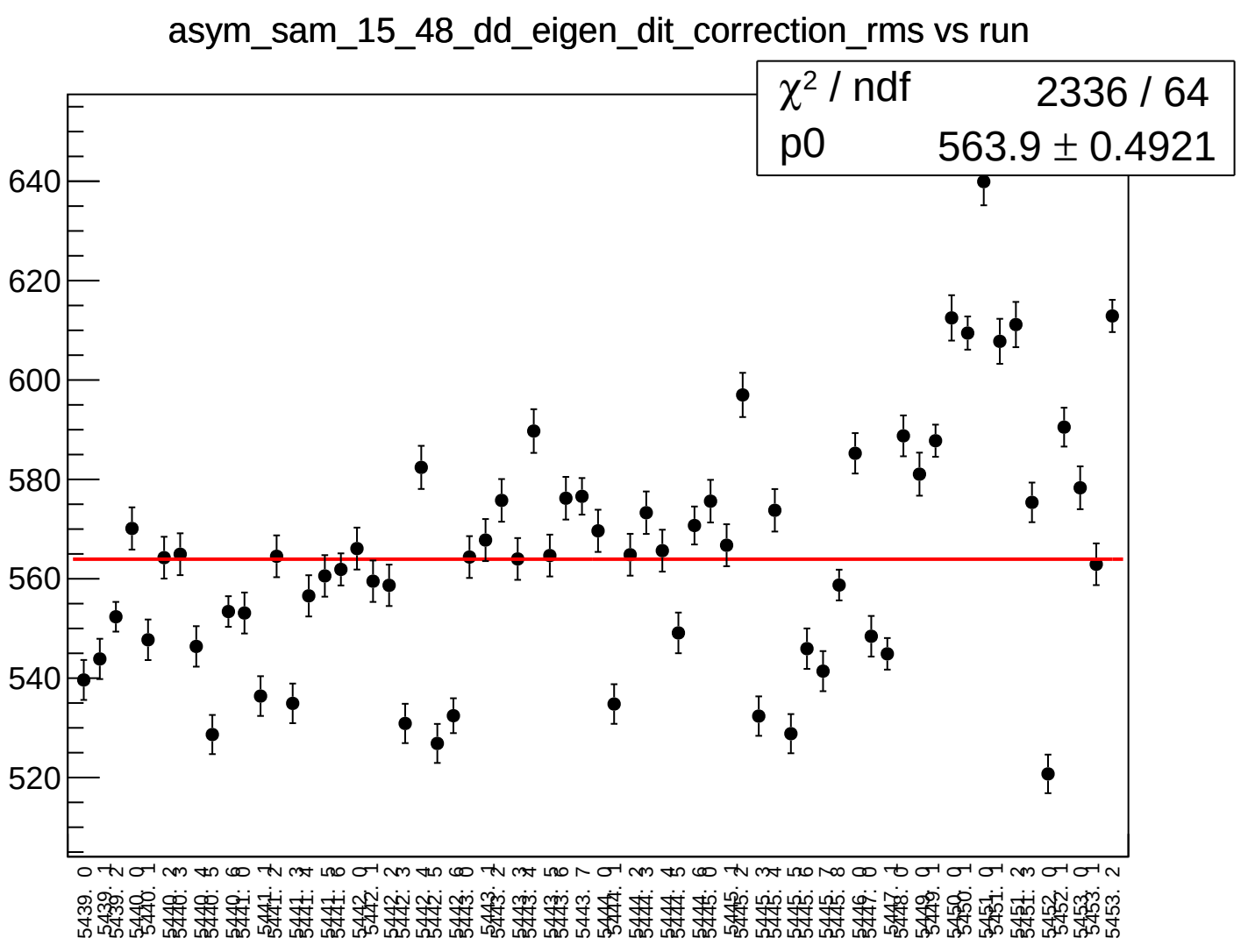

eigen_dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 59.12 / 64
p0 117.2 ± 101.1
6000
4000
2000
0
−2000
−4000
pull
Entries 65
Mean 211.5
Std Dev 0
3
2
1
0
−1
−2

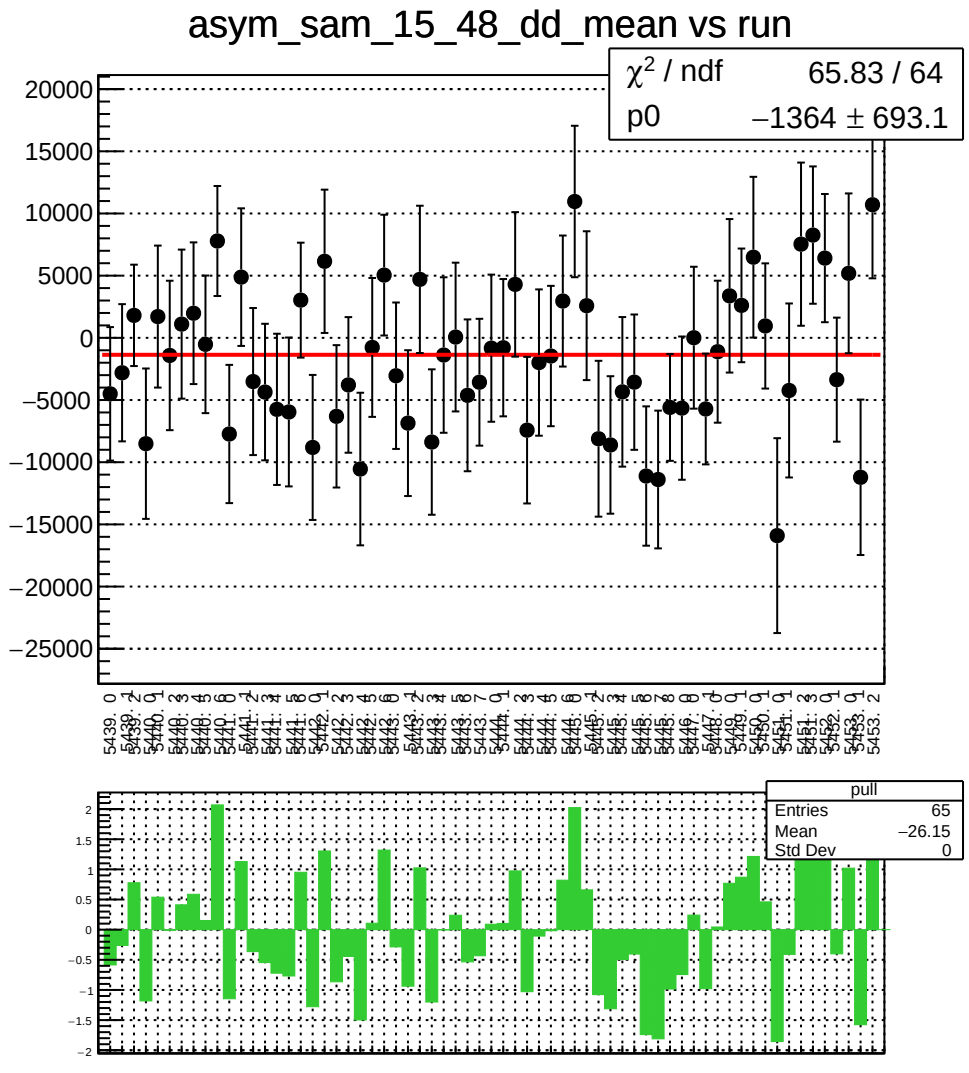

pull1D
Entries 65
Mean −0.008832
Std Dev 0.9537
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

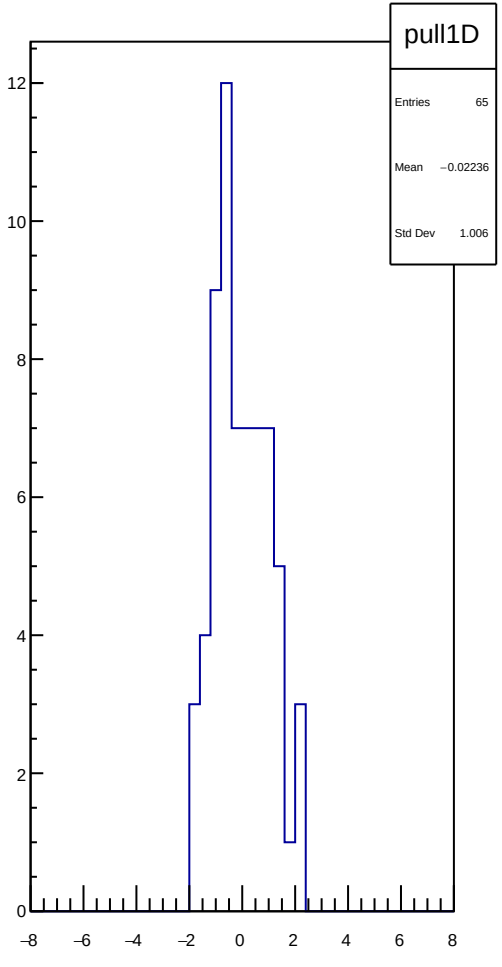

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 6.67e+04 / 64
p0 79.88 ± 0.07148
240
220
200
180
160
140
120
100
80
60

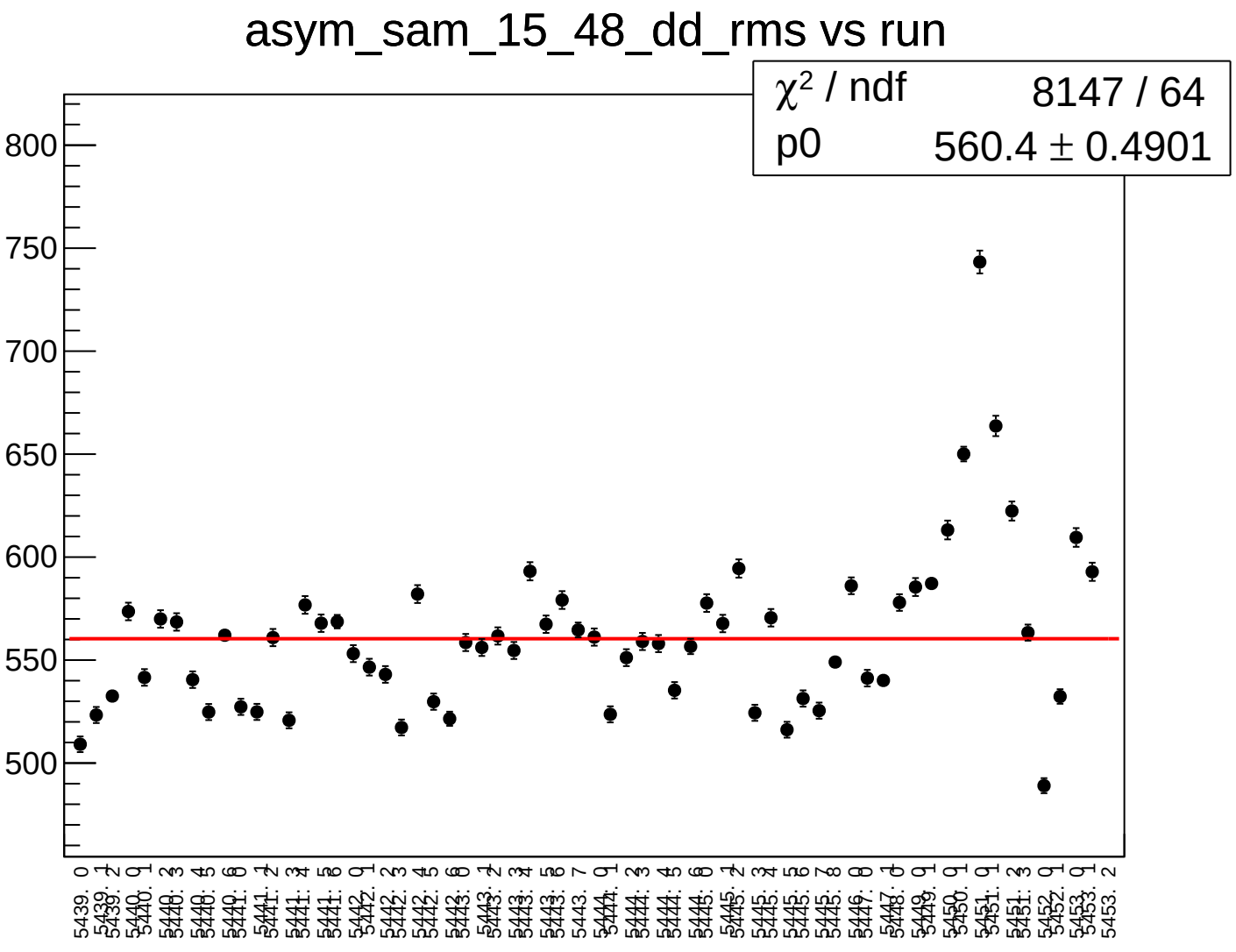

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 71.52 / 64
p0 1396 ± 696
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −20.23
Std Dev 0
2
1
0
−1
−2

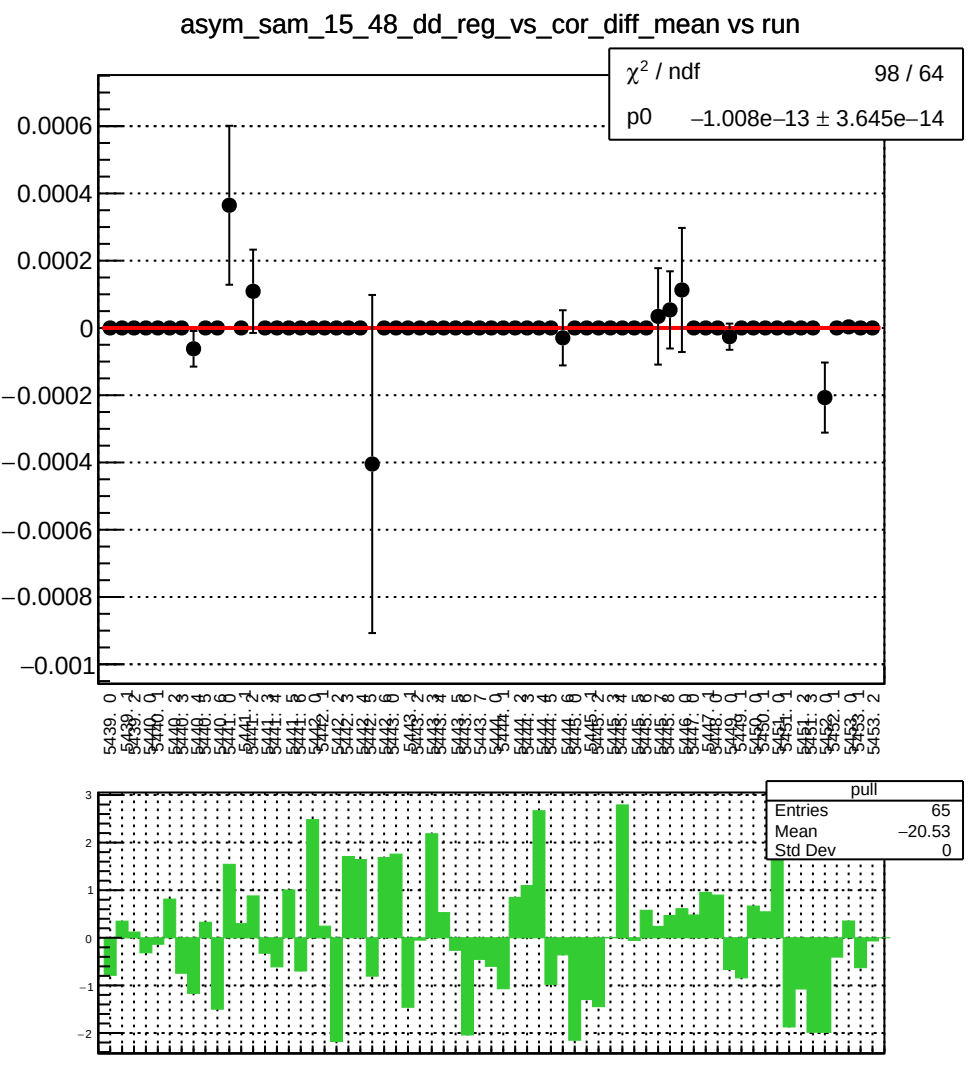

pull1D
Entries 65
Mean 0.03098
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

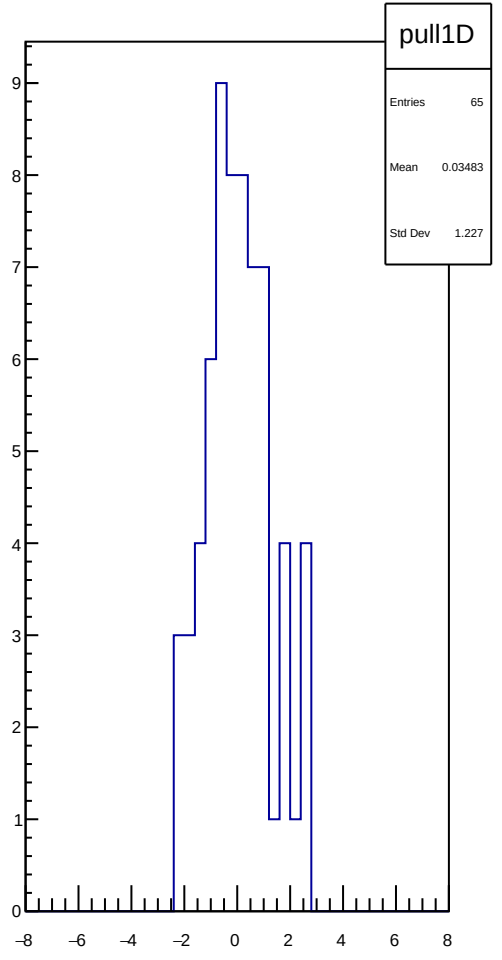

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2336 / 64
p0 563.9 ± 0.4921
640
620
600
580
560
540
520

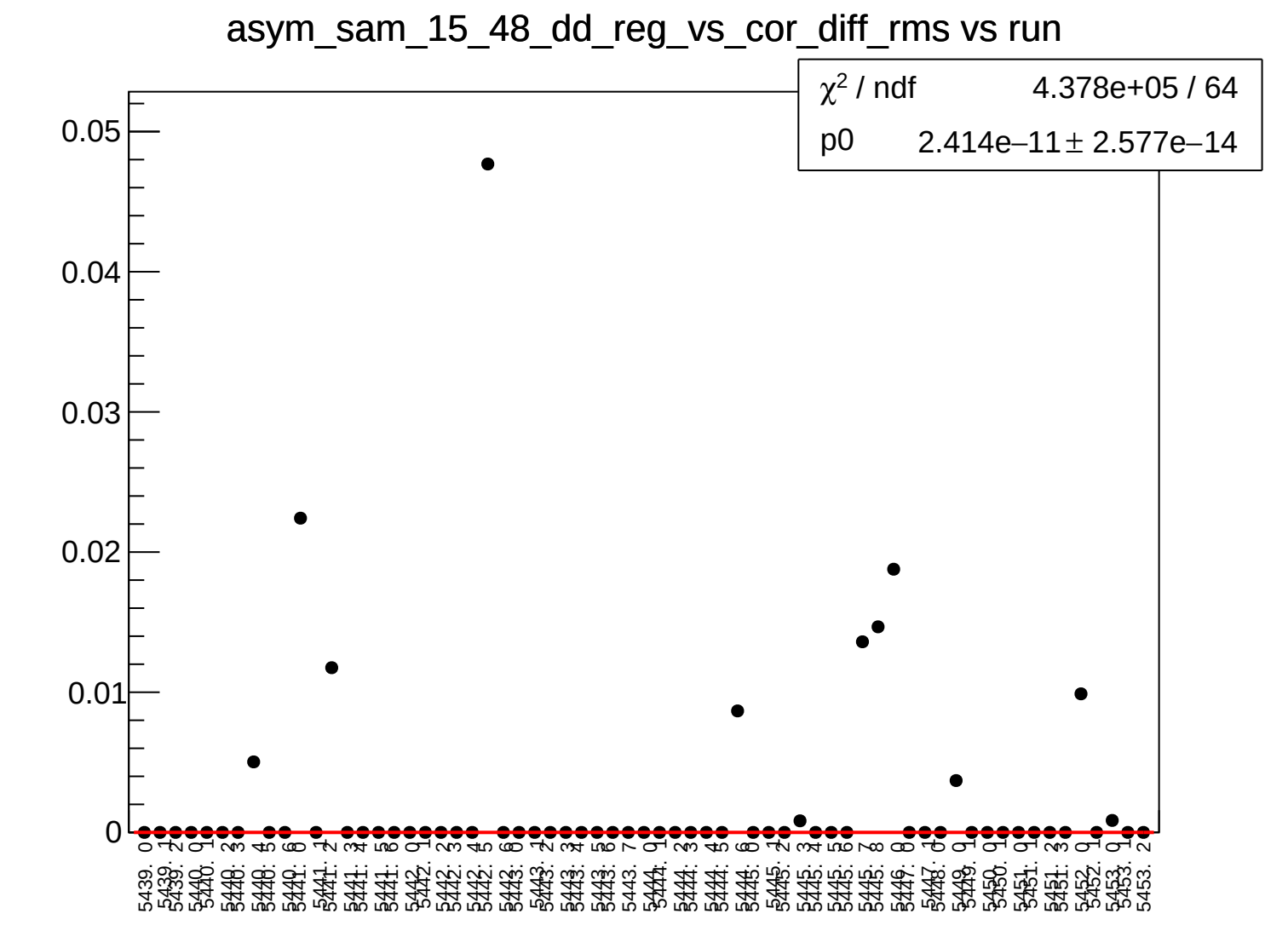

asym_sam_15_48_dd_mean vs run
χ² / ndf 65.83 / 64
p0 −1364 ± 693.1
pull
Entries 65
Mean −26.15
Std Dev 0

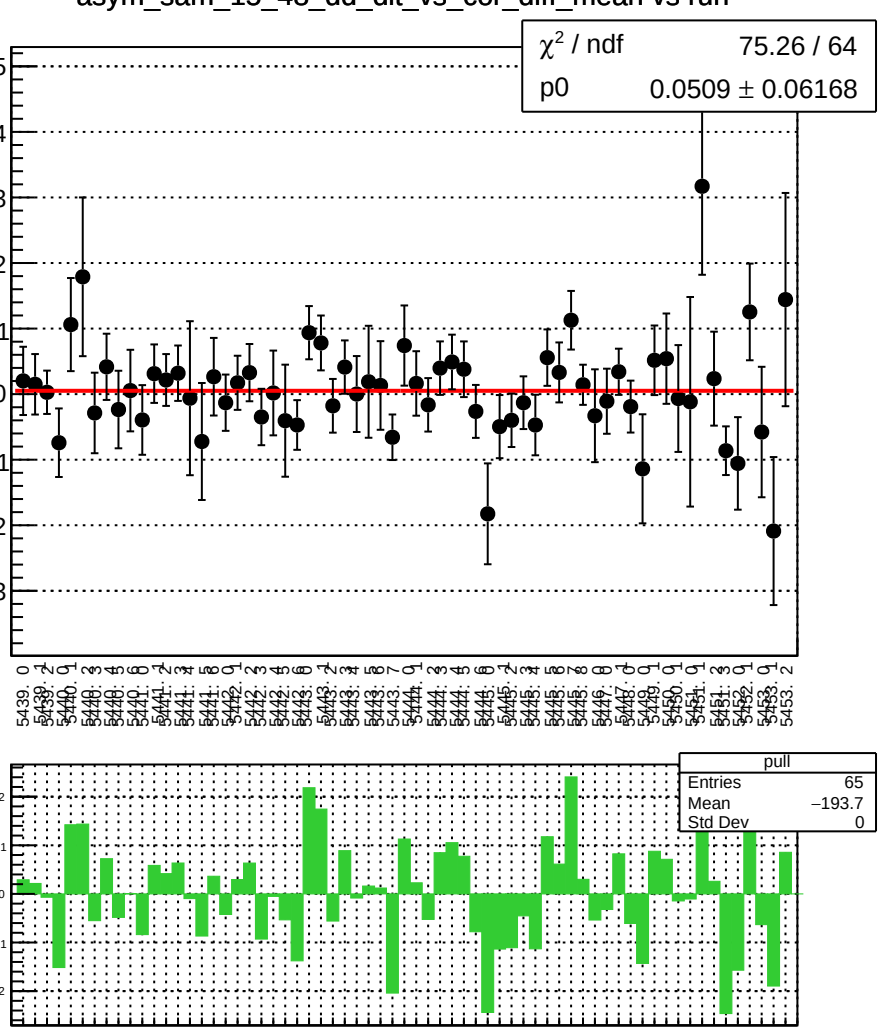

pull1D
Entries 65
Mean −0.02236
Std Dev 1.006

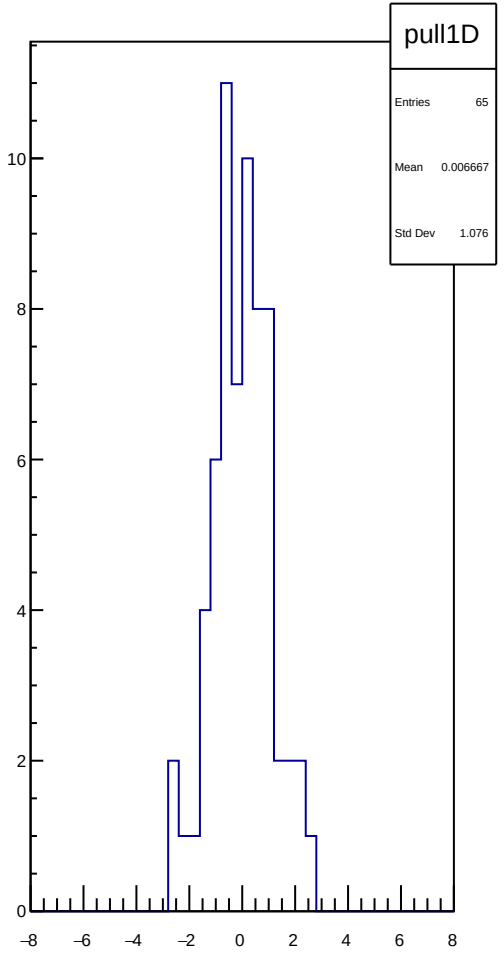

asym_sam_15_48_dd_rms vs run
χ² / ndf 8147 / 64
p0 560.4 ± 0.4901
800
750
700
650
600
550
500

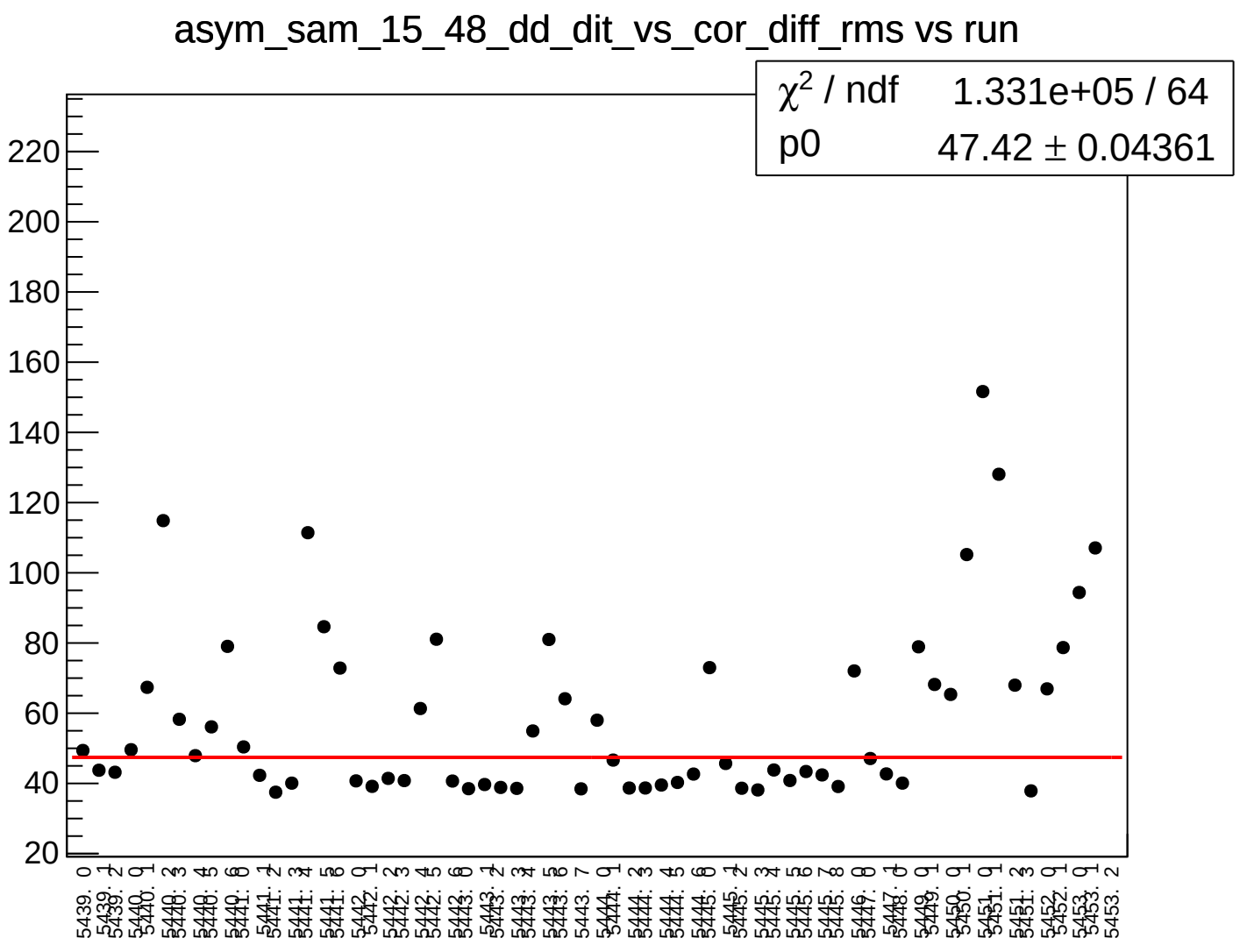

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 98 / 64
p0 −1.008e−13 ± 3.645e−14
pull
Entries 65
Mean −20.53
Std Dev 0

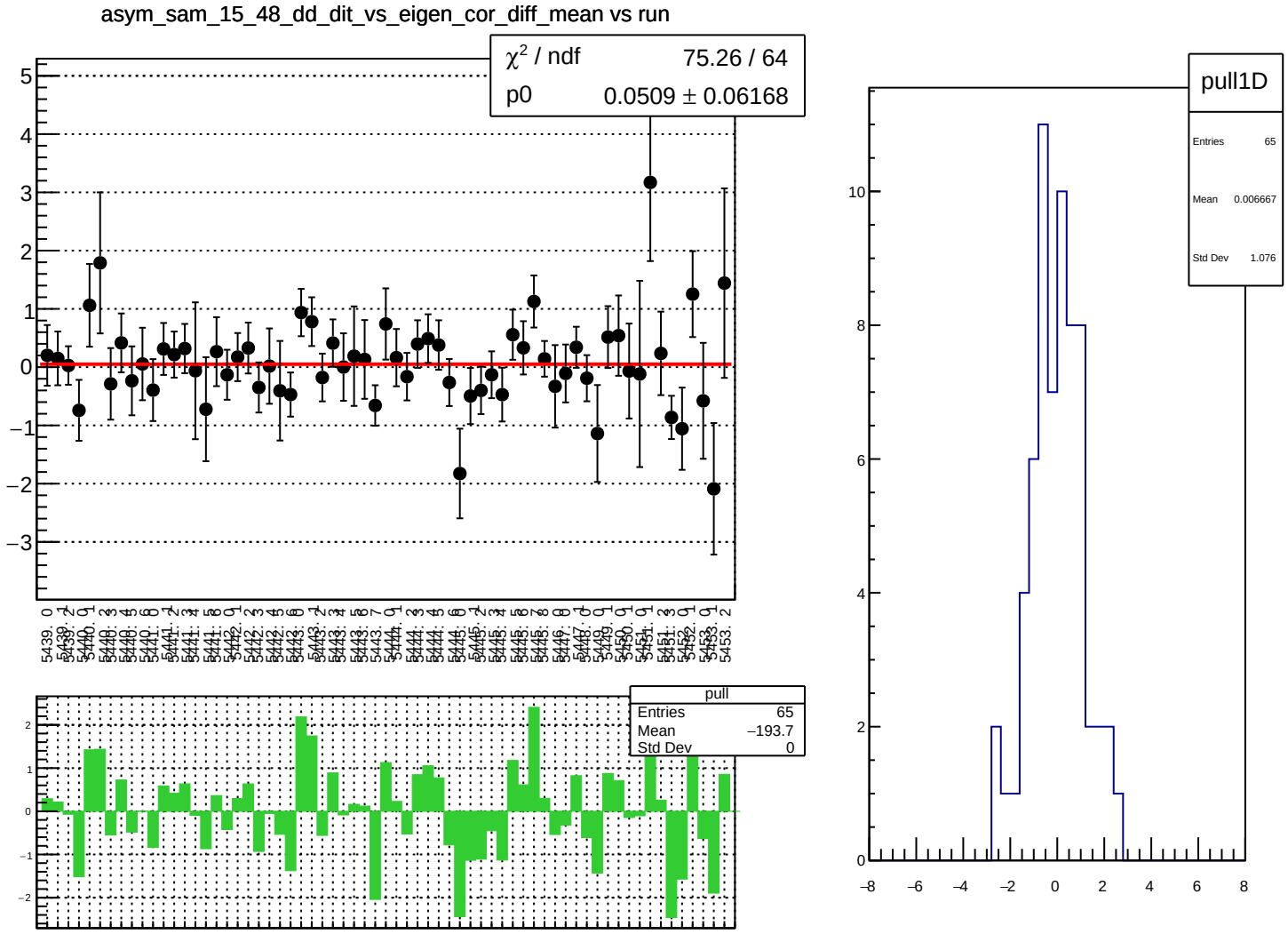

pull1D
Entries 65
Mean 0.03483
Std Dev 1.227

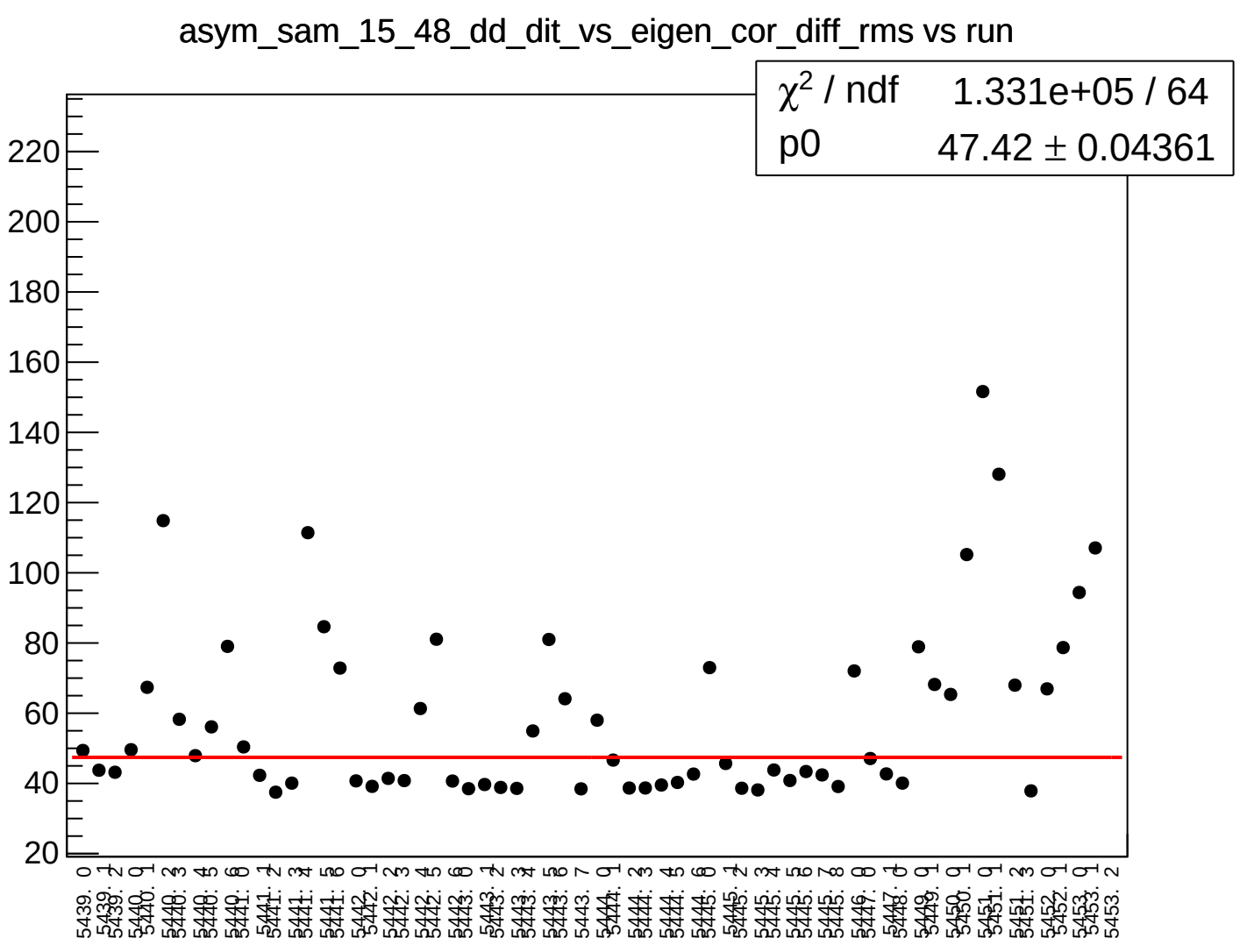

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.378e+05 / 64
p0 2.414e−11 ± 2.577e−14
0.05
0.04
0.03
0.02
0.01
0

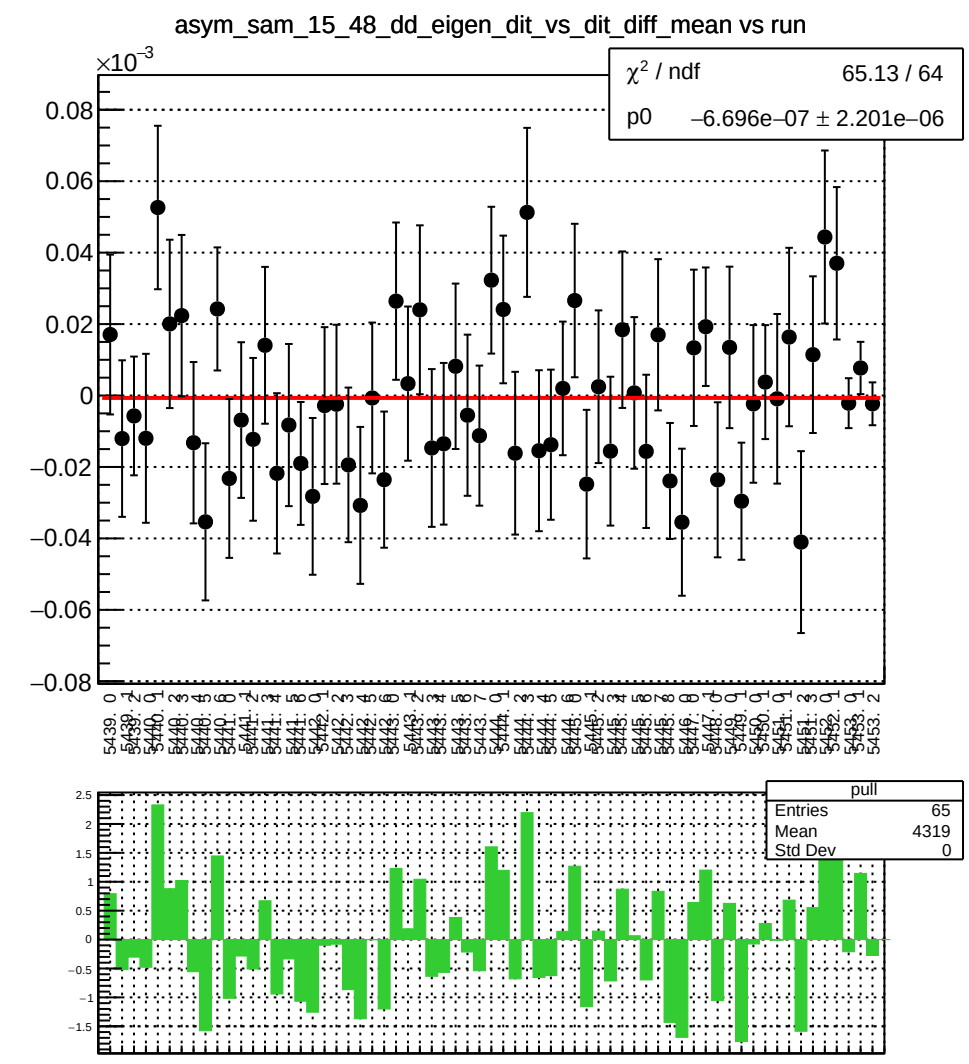

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.26 / 64
p0 0.0509 ± 0.06168
pull
Entries 65
Mean −193.7
Std Dev 0

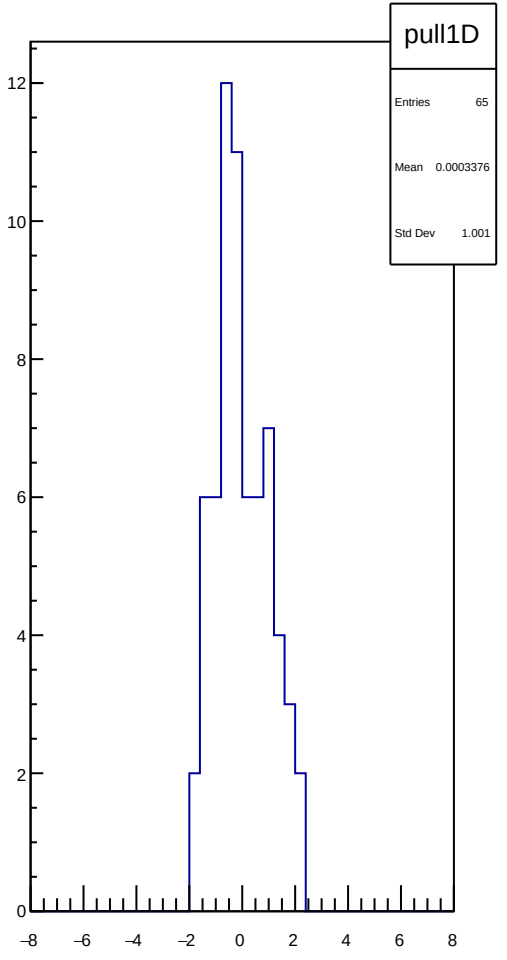

pull1D
Entries 65
Mean 0.006667
Std Dev 1.076

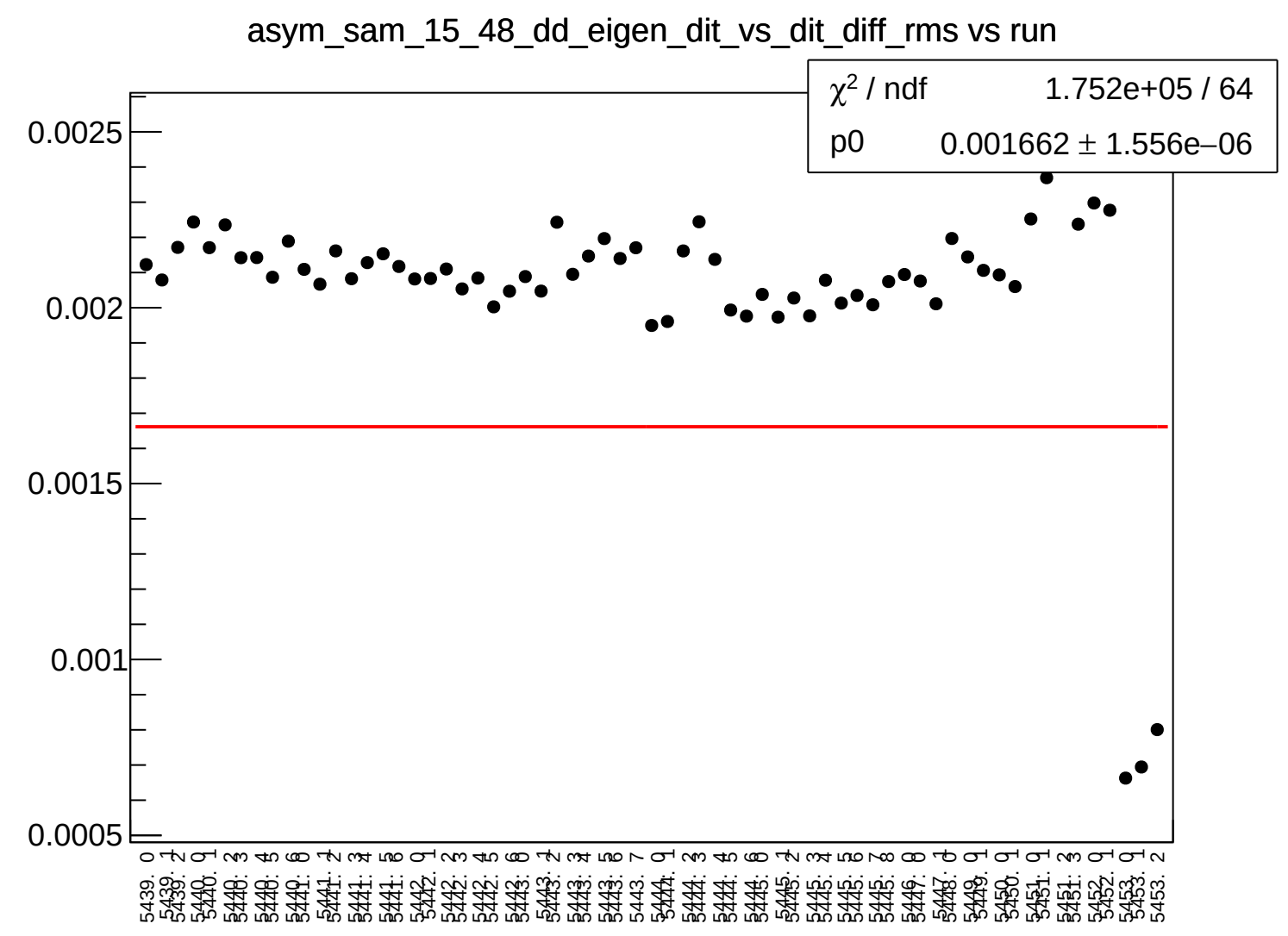

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 64
p0 47.42 ± 0.04361
220
200
180
160
140
120
100
80
60
40
20

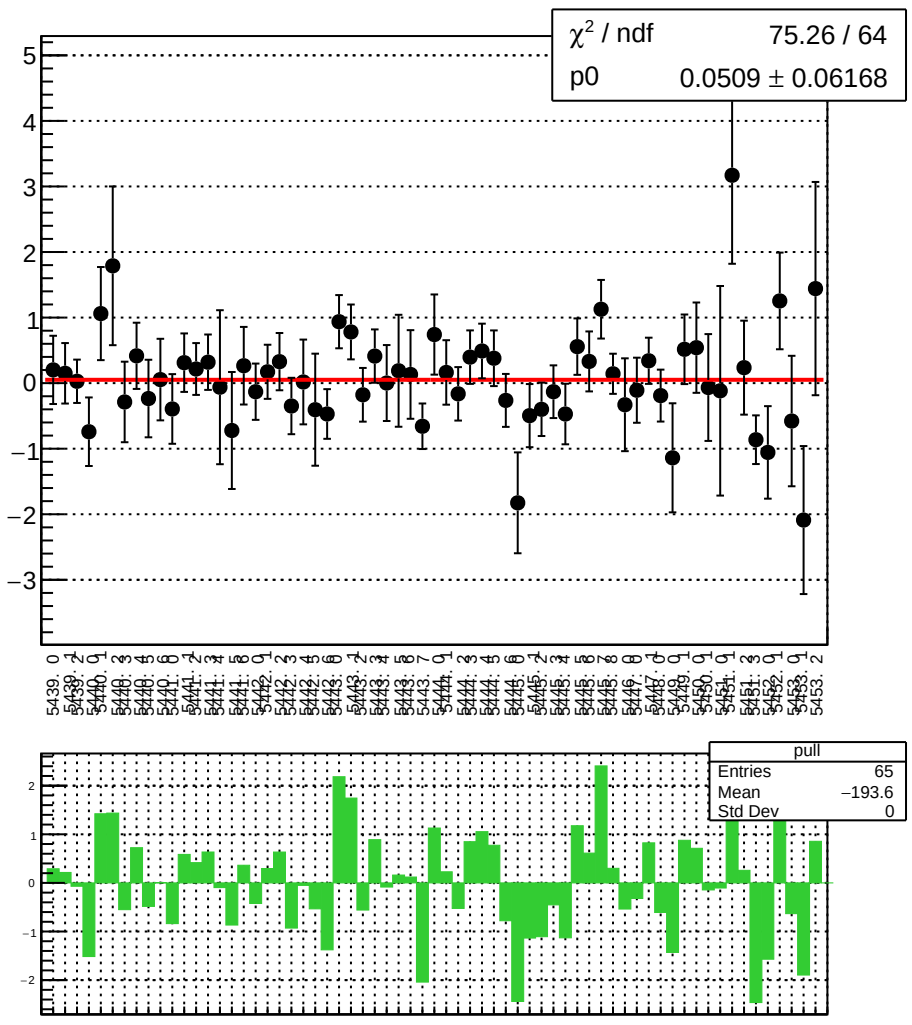

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.26 / 64
p0 0.0509 ± 0.06168
pull
Entries 65
Mean −193.7
Std Dev 0
pull1D
Entries 65
Mean 0.006667
Std Dev 1.076

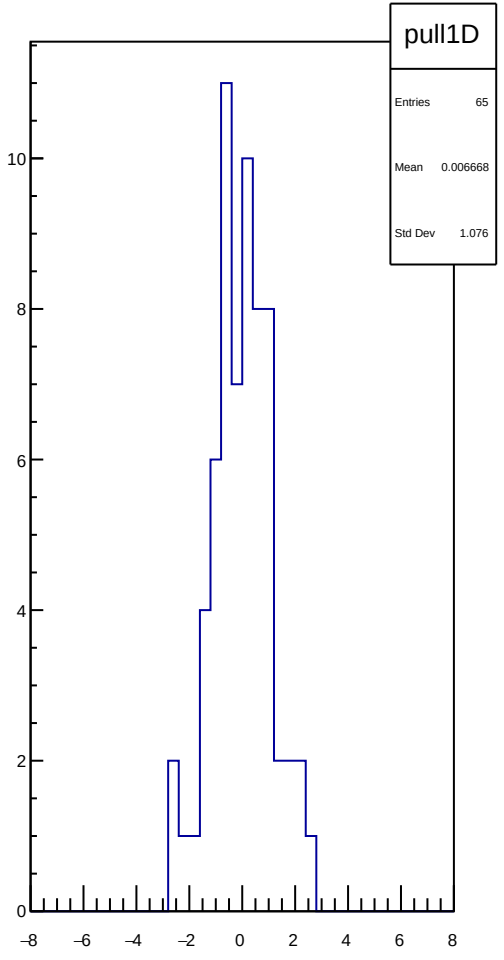

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 64
p0 47.42 ± 0.04361
220
200
180
160
140
120
100
80
60
40
20

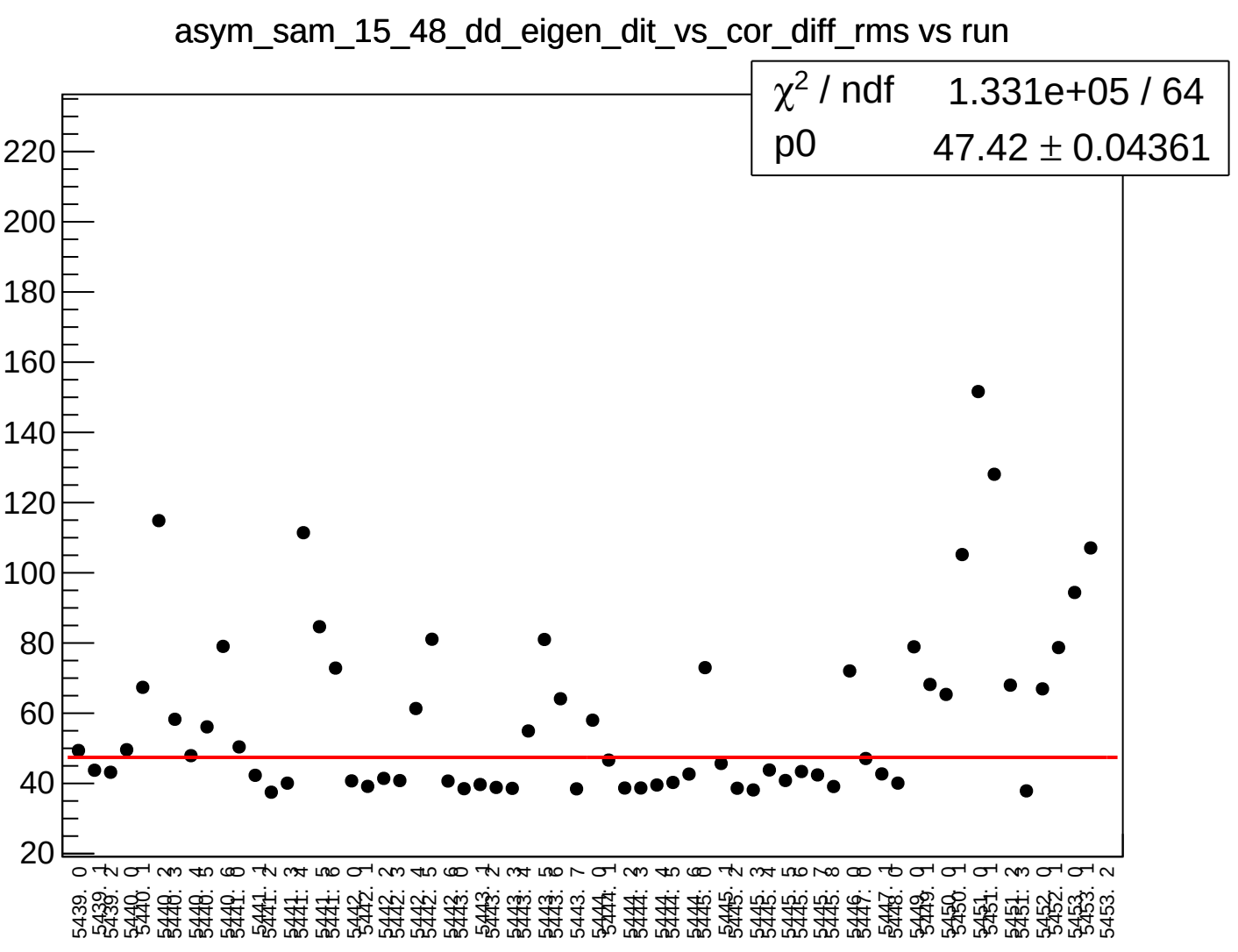

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 65.13 / 64
p0 −6.696e−07 ± 2.201e−06
pull
Entries 65
Mean 4319
Std Dev 0

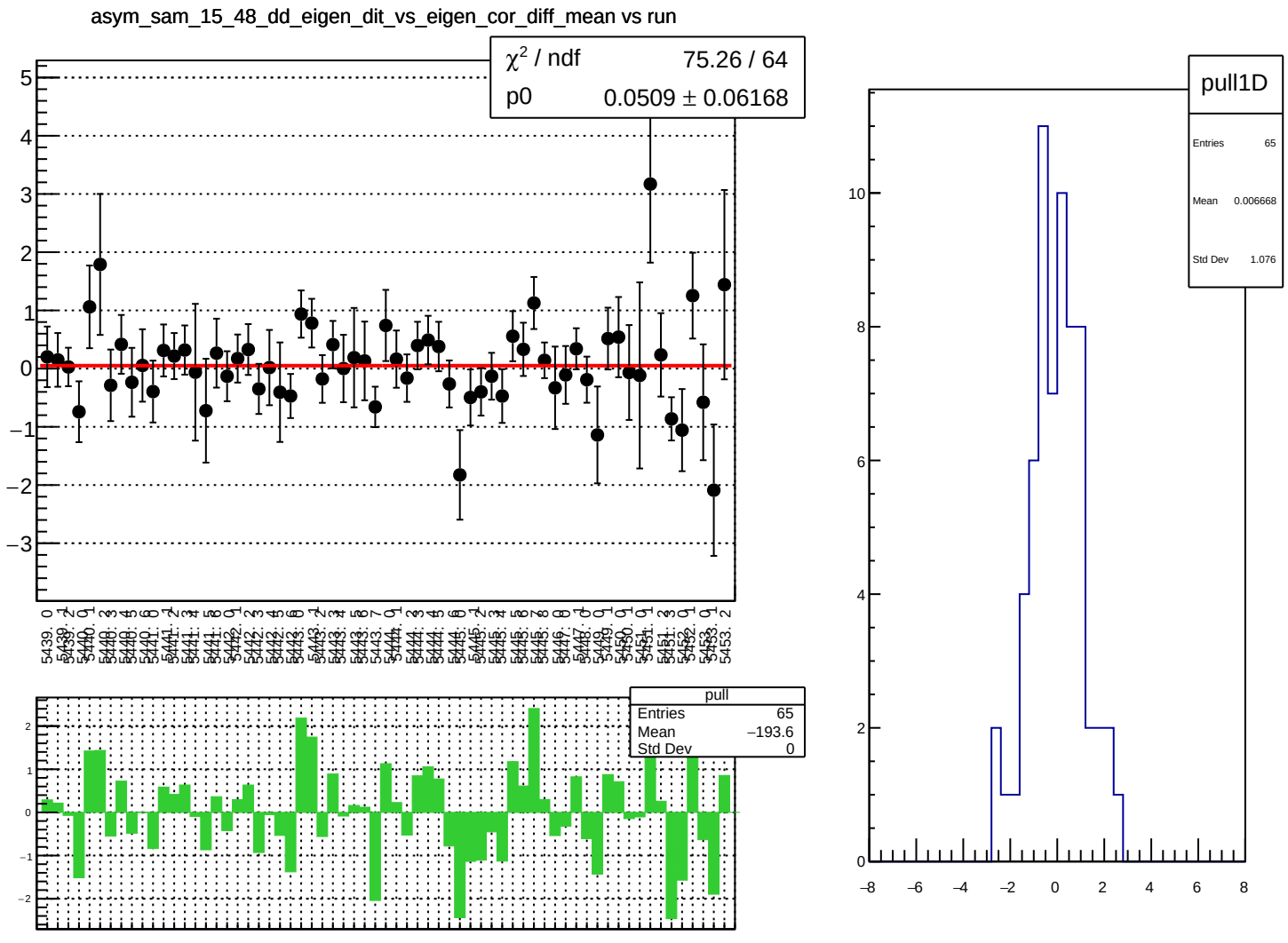

pull1D
Entries 65
Mean 0.0003376
Std Dev 1.001

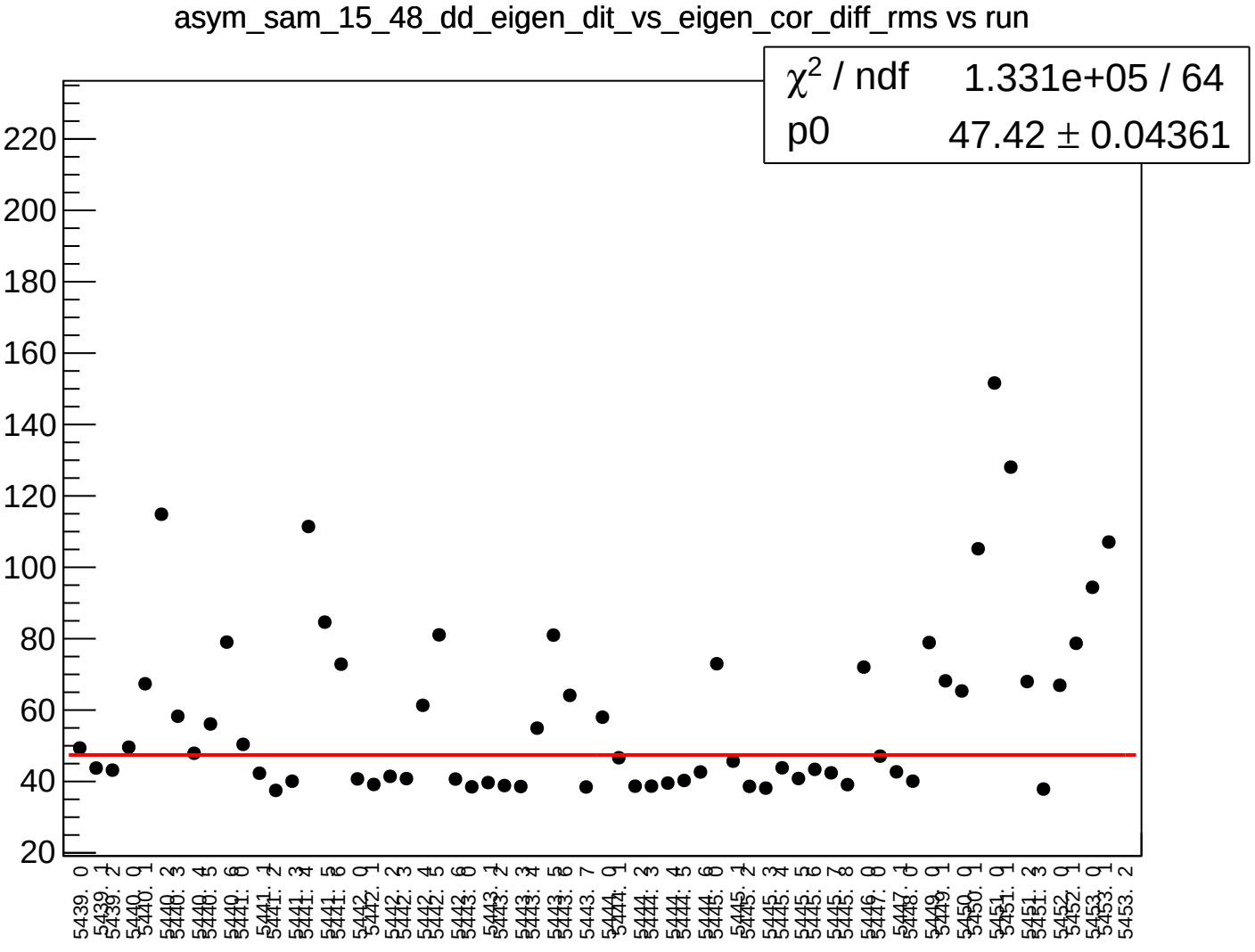

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.752e+05 / 64
p0 0.001662 ± 1.556e−06
0.0025
0.002
0.0015
0.001
0.0005

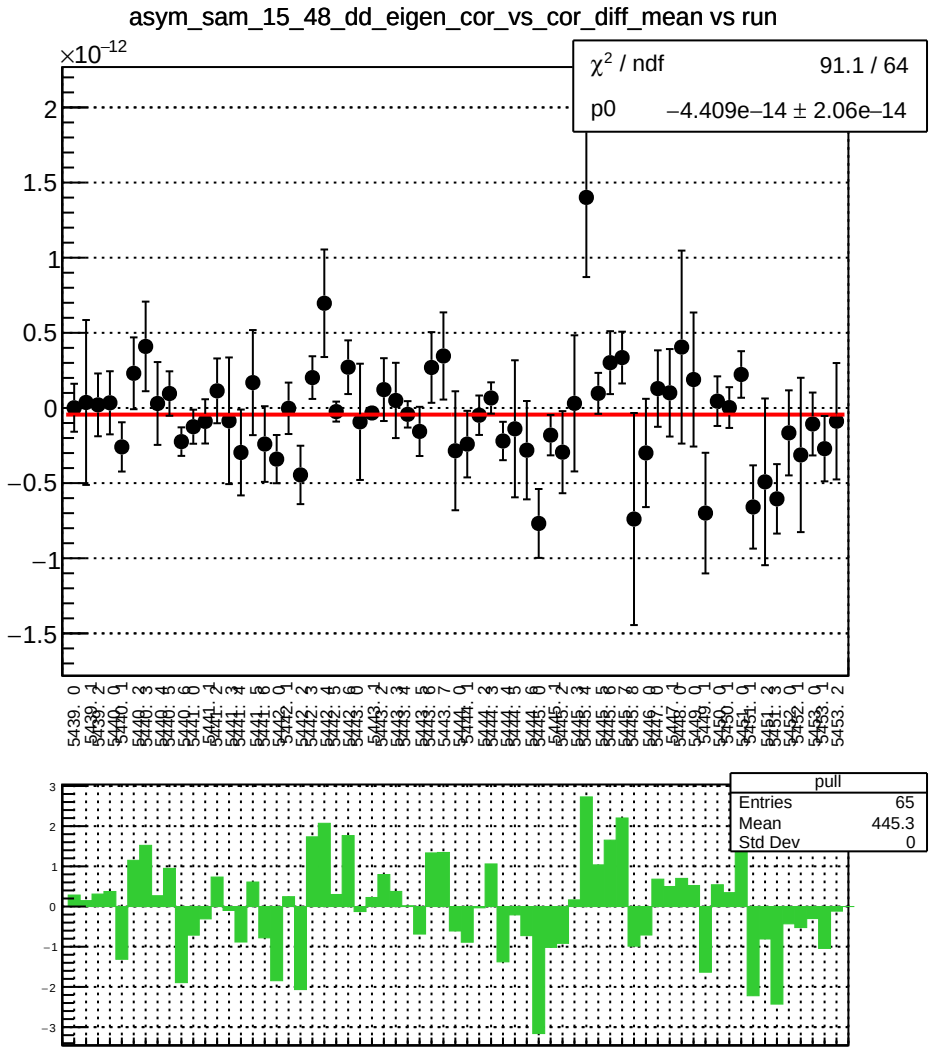

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.26 / 64
p0 0.0509 ± 0.06168
pull
Entries 65
Mean −193.6
Std Dev 0

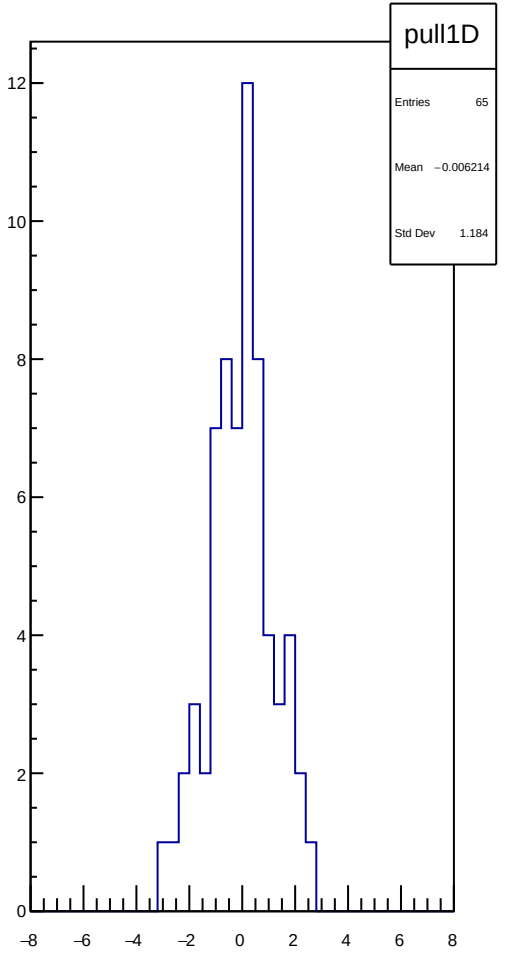

pull1D
Entries 65
Mean 0.006668
Std Dev 1.076

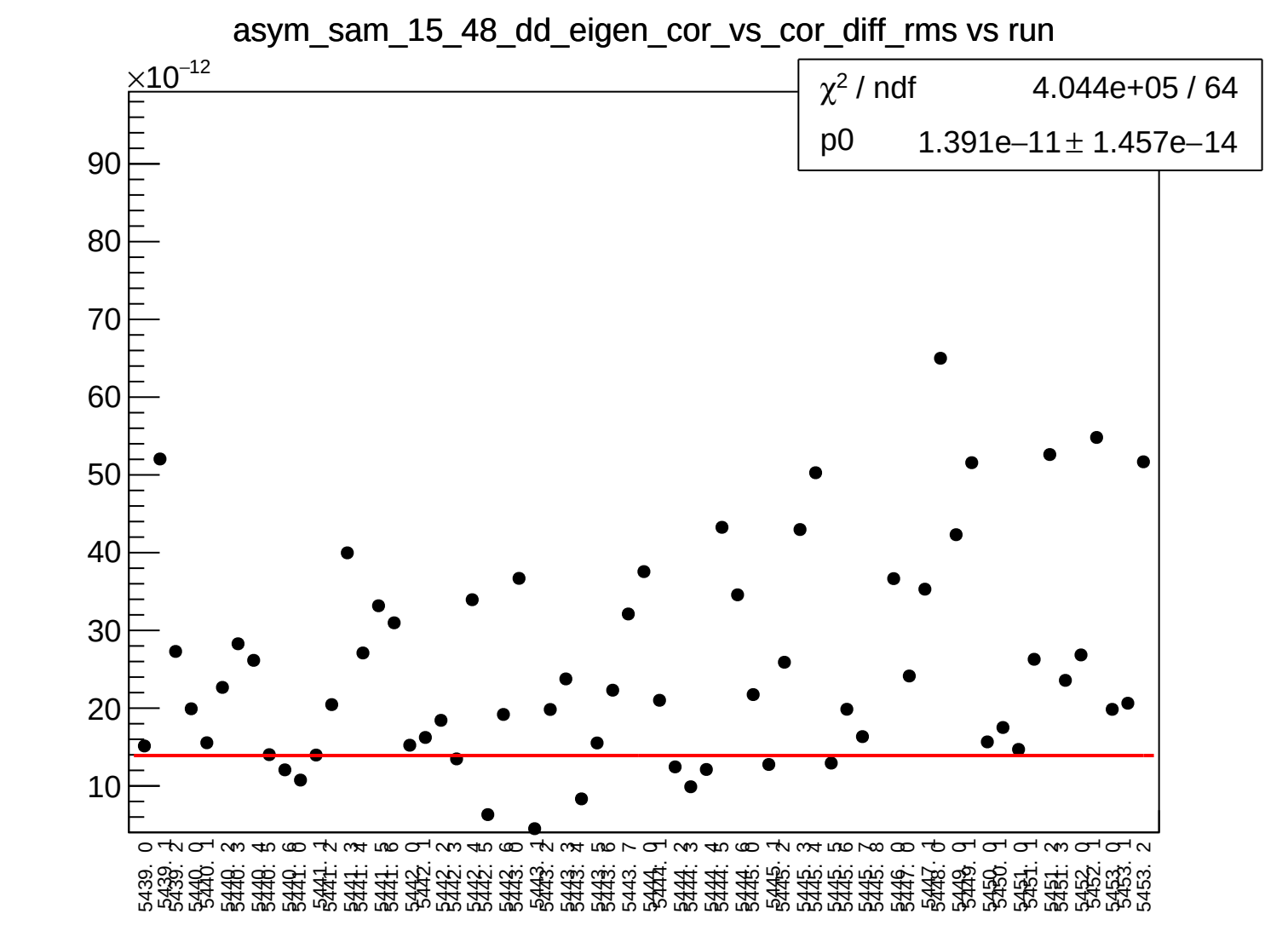

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 64
p0 47.42 ± 0.04361
220
200
180
160
140
120
100
80
60
40
20

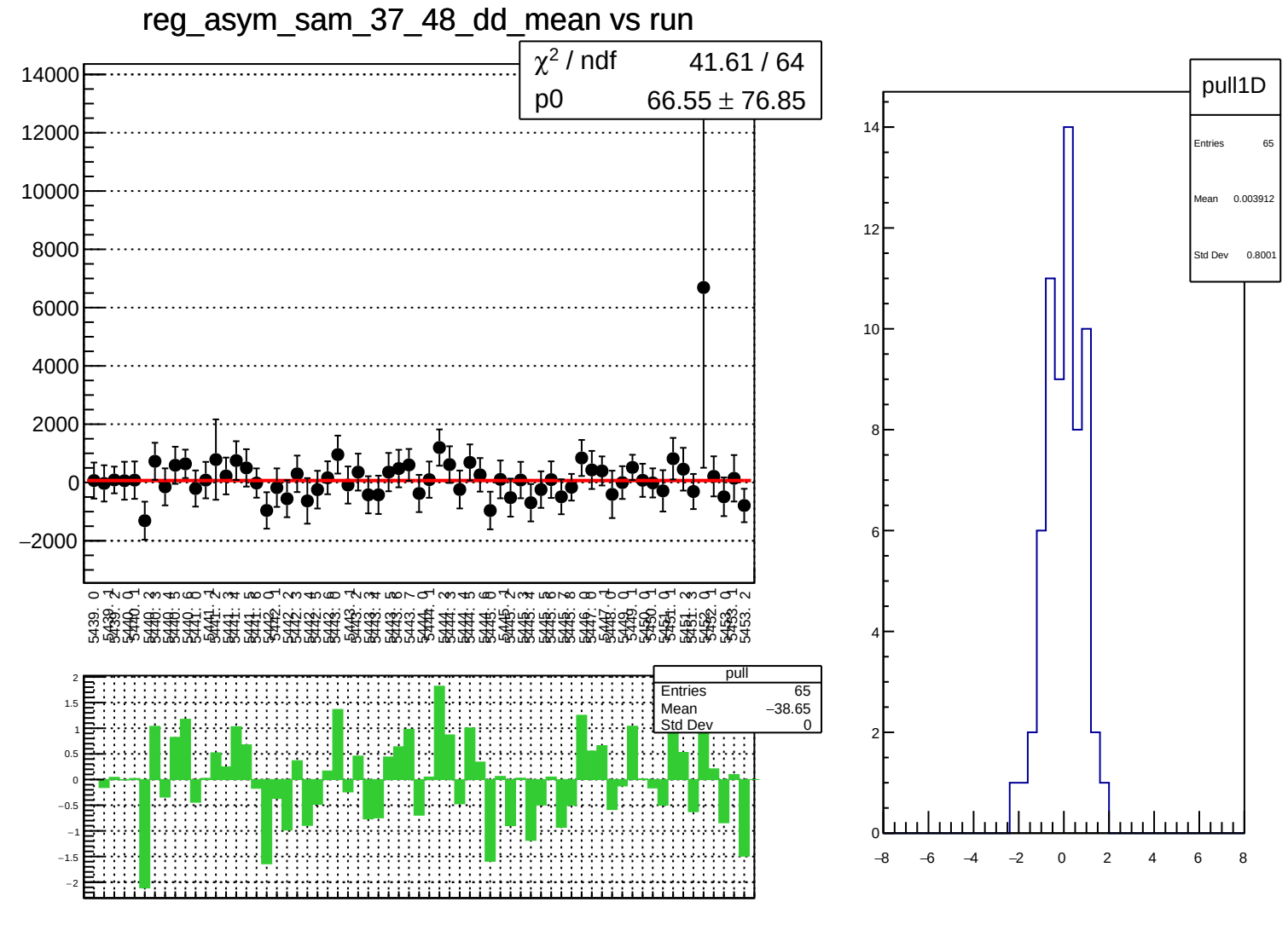

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.26 / 64
p0 0.0509 ± 0.06168
pull
Entries 65
Mean −193.6
Std Dev 0
pull1D
Entries 65
Mean 0.006668
Std Dev 1.076

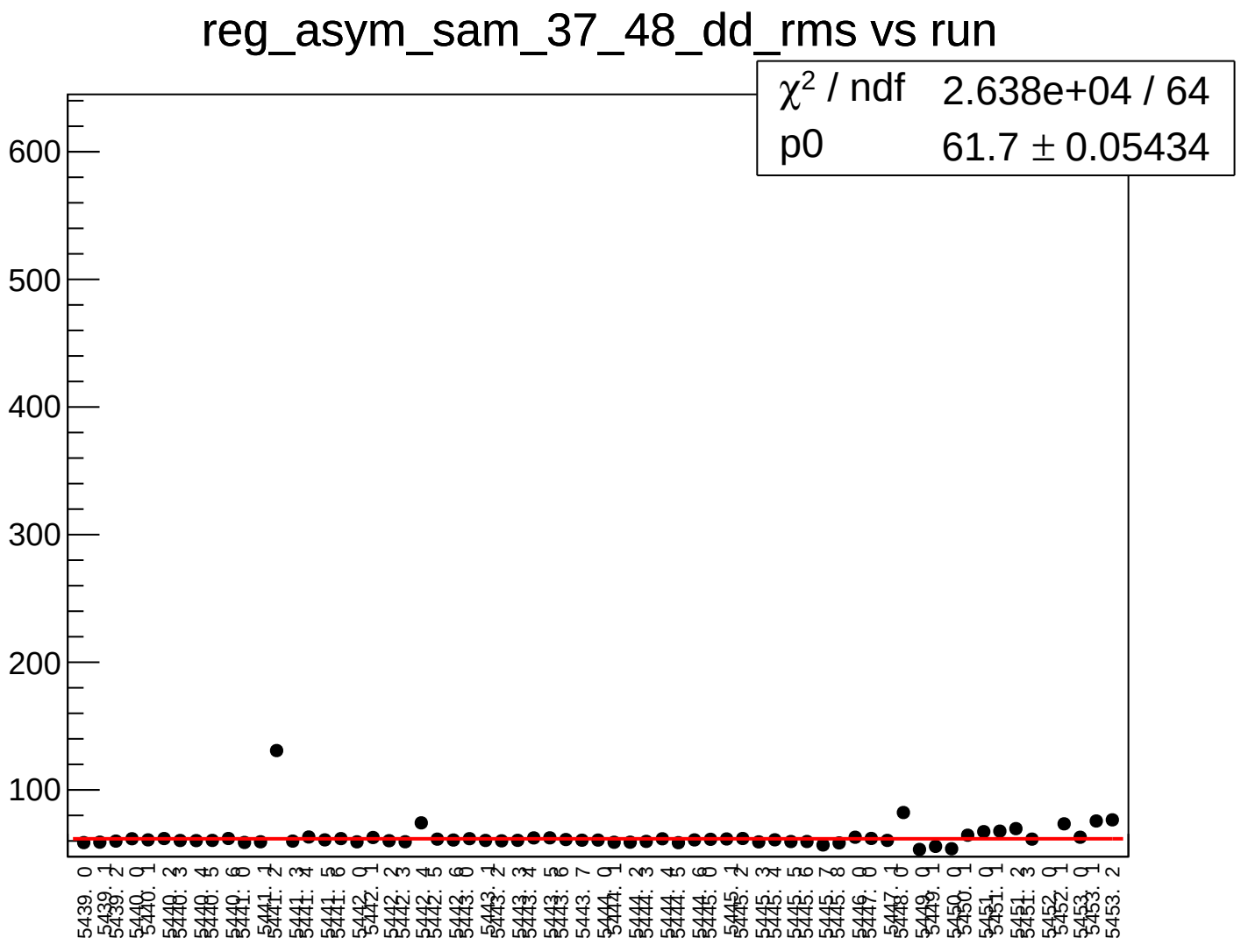

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 64
p0 47.42 ± 0.04361
220
200
180
160
140
120
100
80
60
40
20

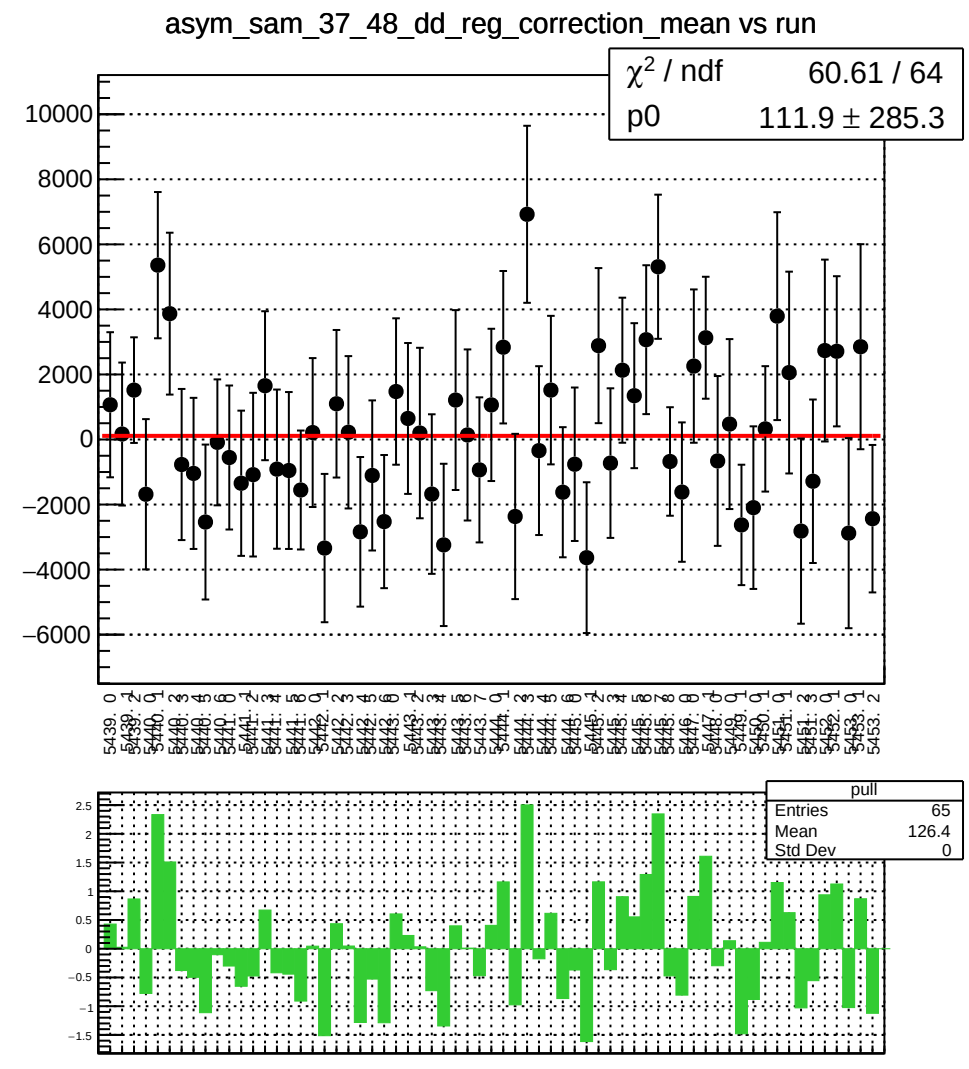

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.1 / 64
p0 −4.409e−14 ± 2.06e−14
pull
Entries 65
Mean 445.3
Std Dev 0

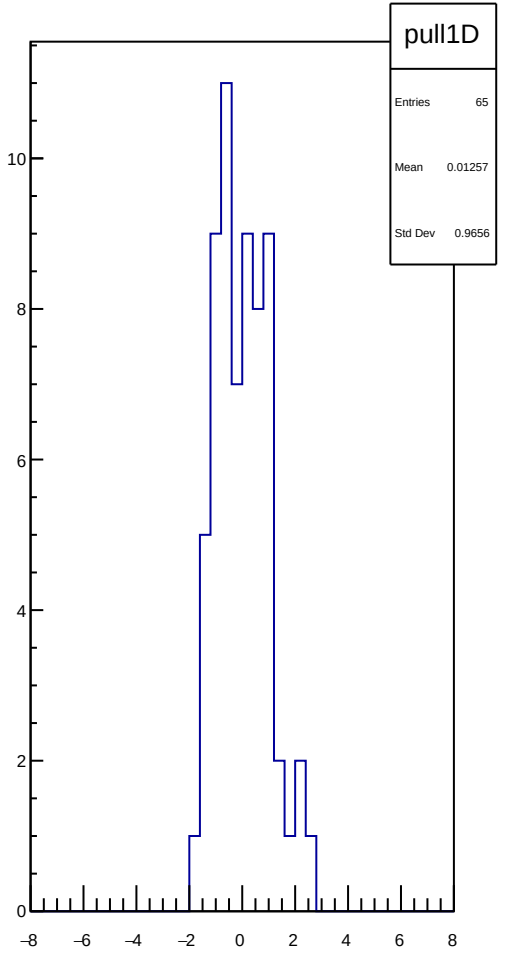

pull1D
Entries 65
Mean −0.006214
Std Dev 1.184

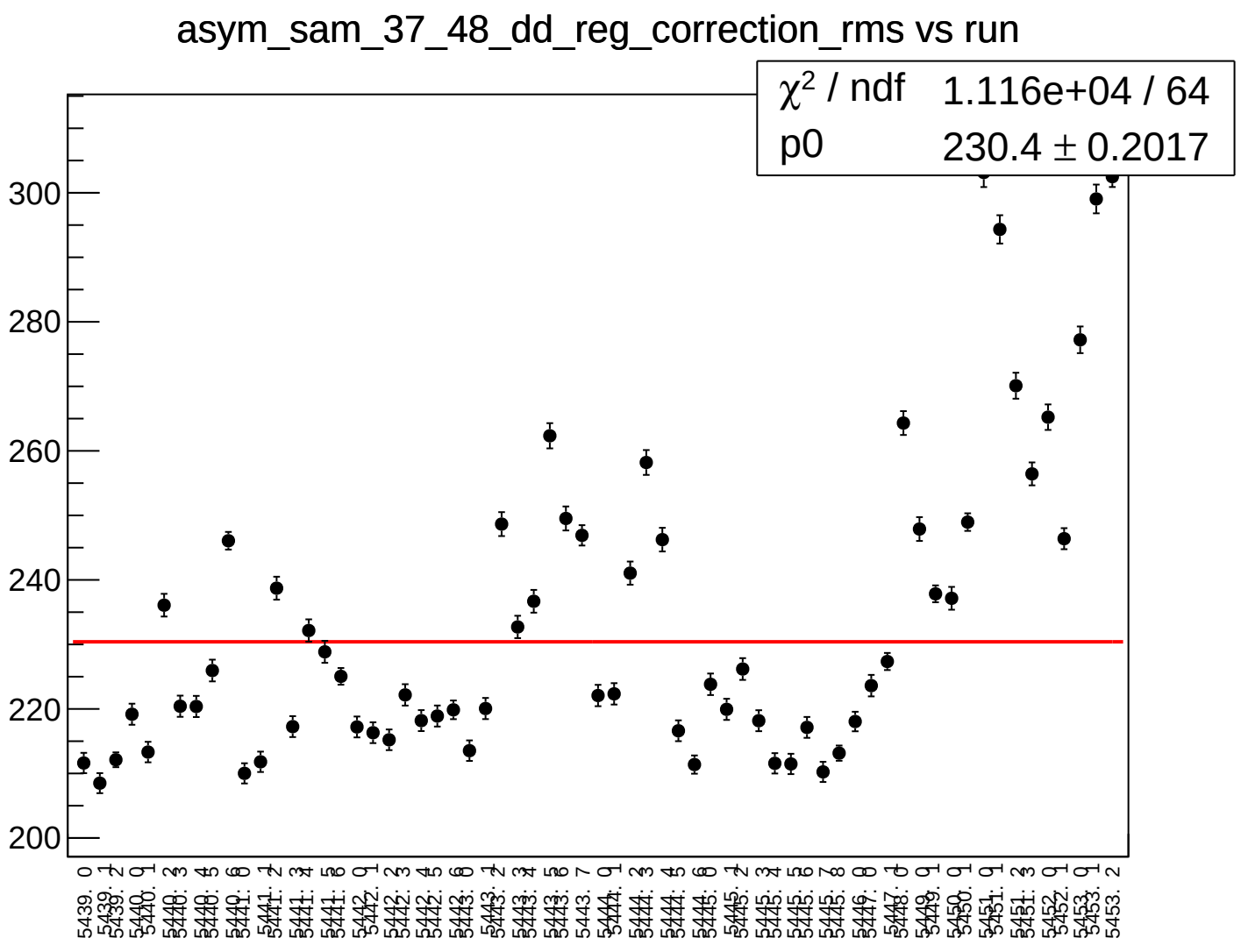

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.044e+05 / 64
p0 1.391e−11 ± 1.457e−14
90
80
70
60
50
40
30
20
10

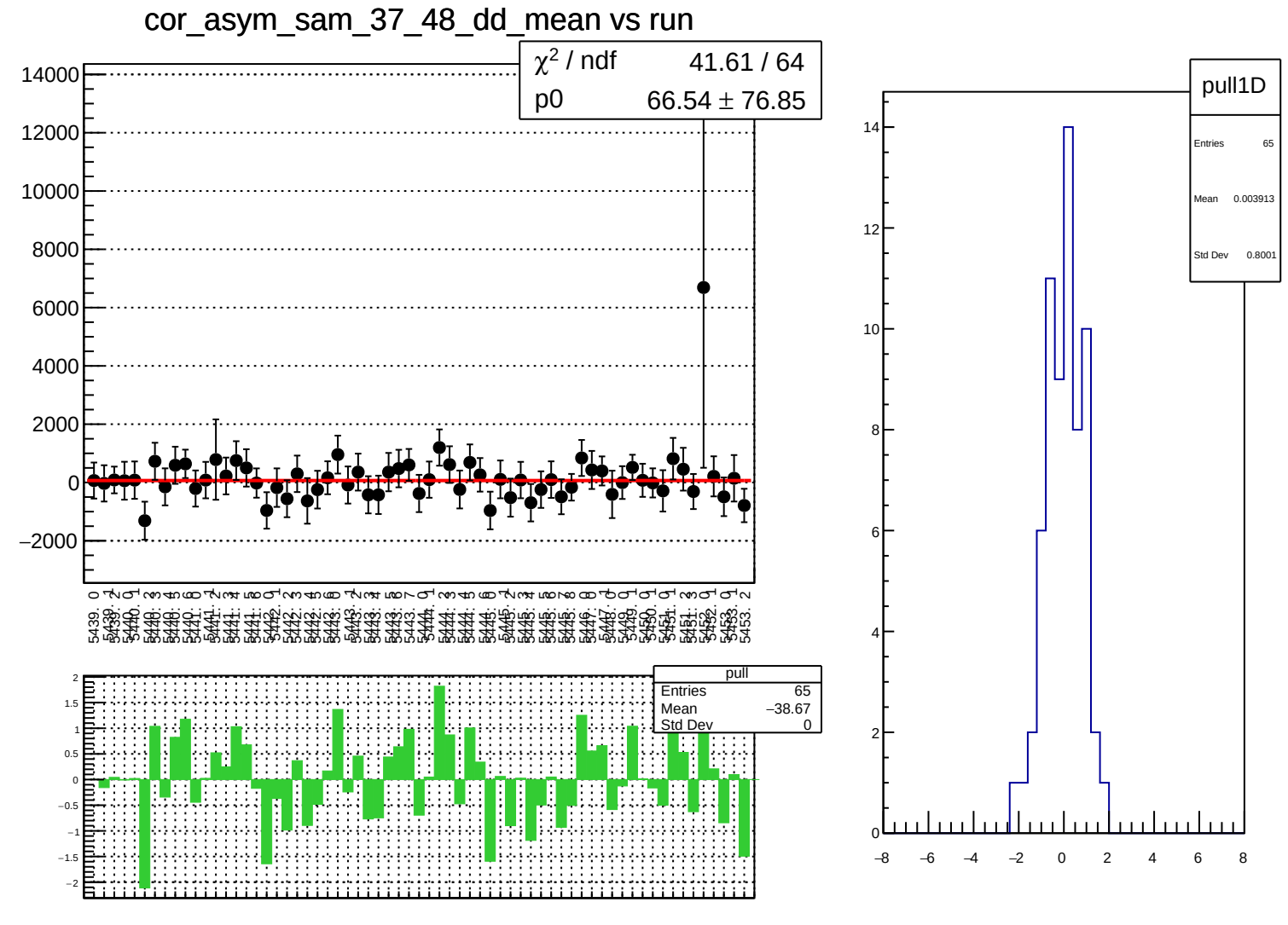

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 41.61 / 64
p0 66.55 ± 76.85
pull
Entries 65
Mean −38.65
Std Dev 0
pull1D
Entries 65
Mean 0.003912
Std Dev 0.8001

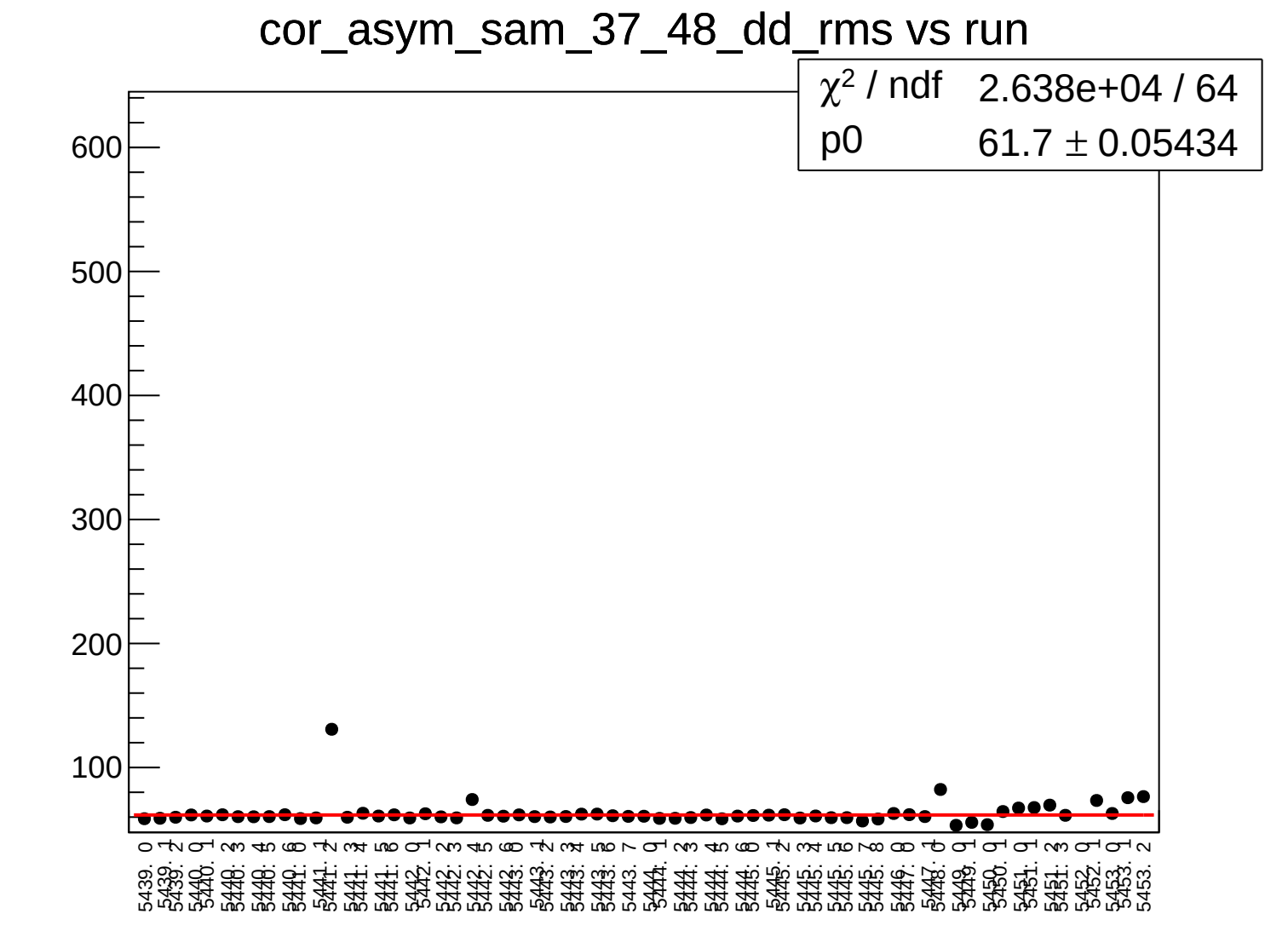

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.638e+04 / 64
p0 61.7 ± 0.05434
600
500
400
300
200
100

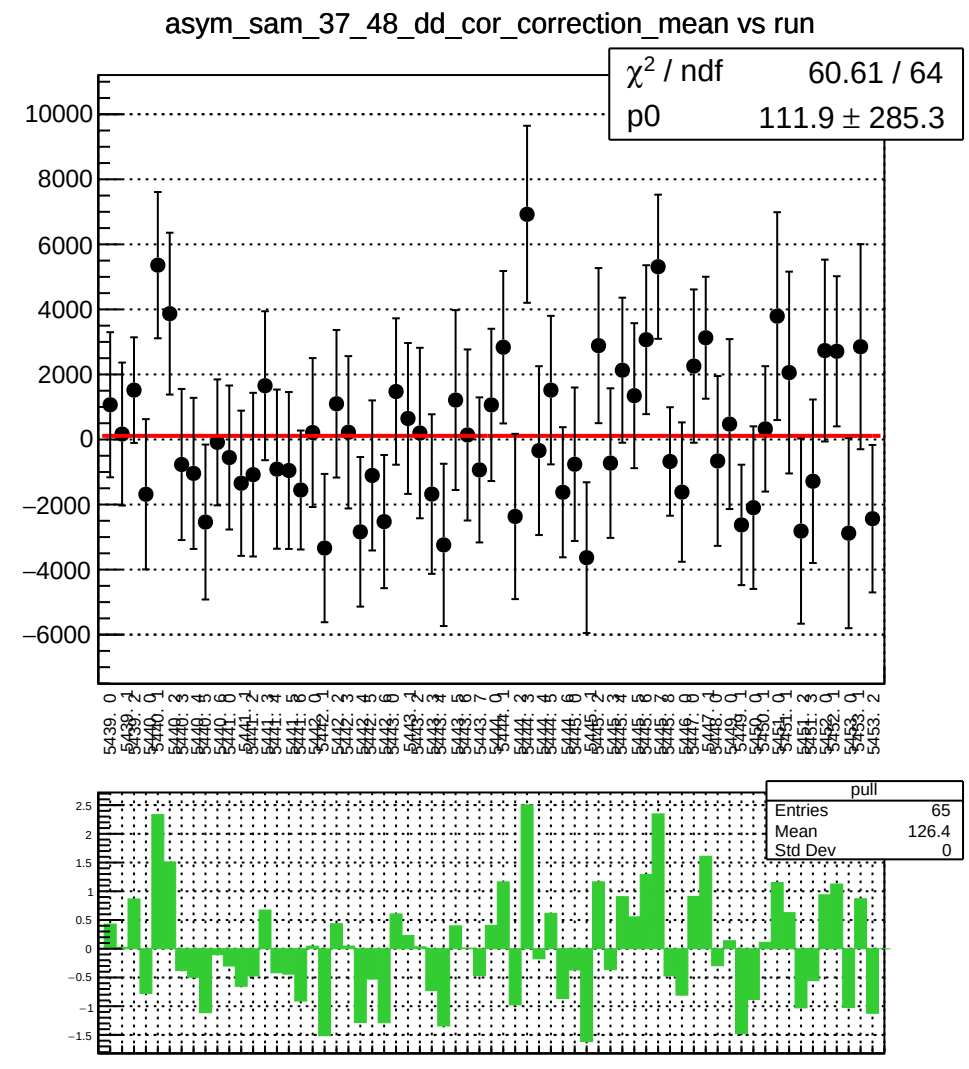

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 60.61 / 64
p0 111.9 ± 285.3
pull
Entries 65
Mean 126.4
Std Dev 0

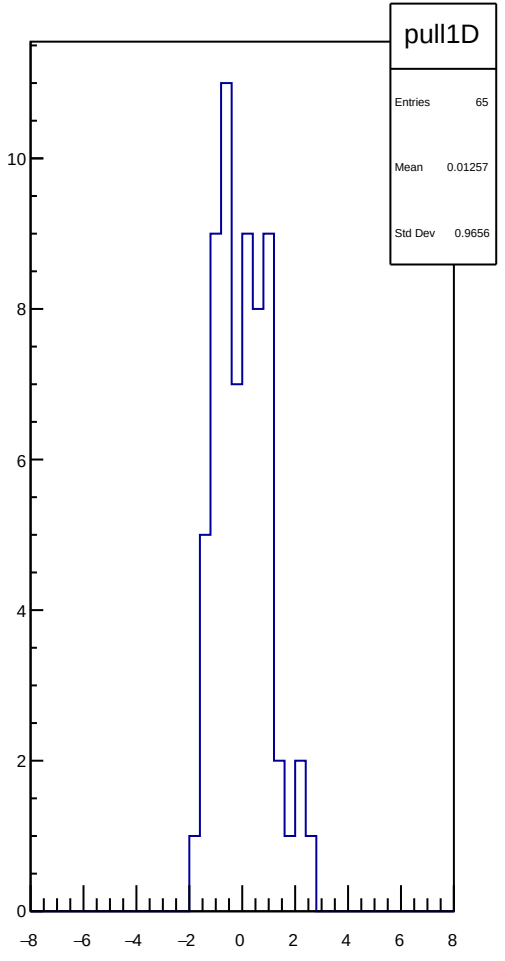

pull1D
Entries 65
Mean 0.01257
Std Dev 0.9656

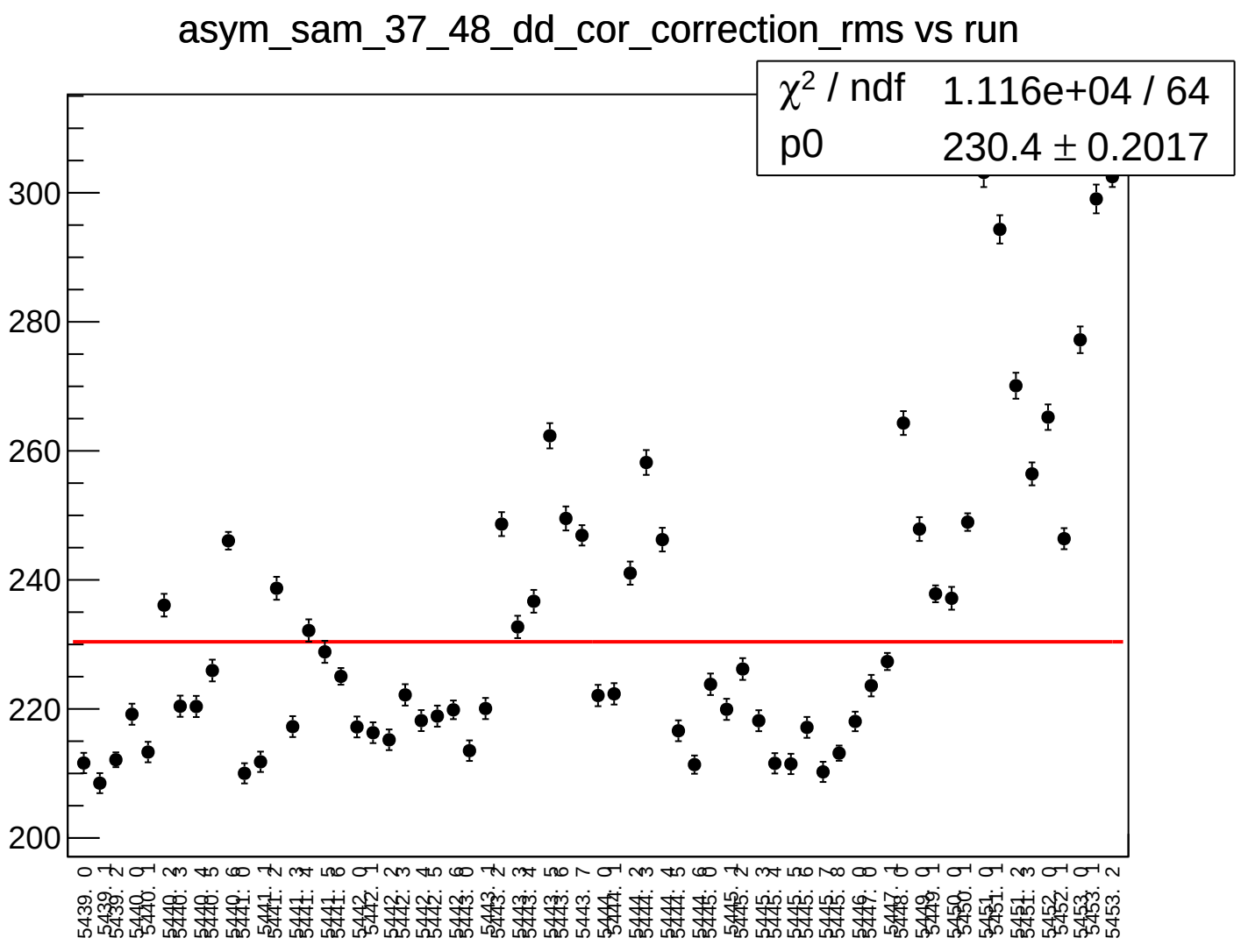

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 1.116e+04 / 64
p0 230.4 ± 0.2017
300
280
260
240
220
200

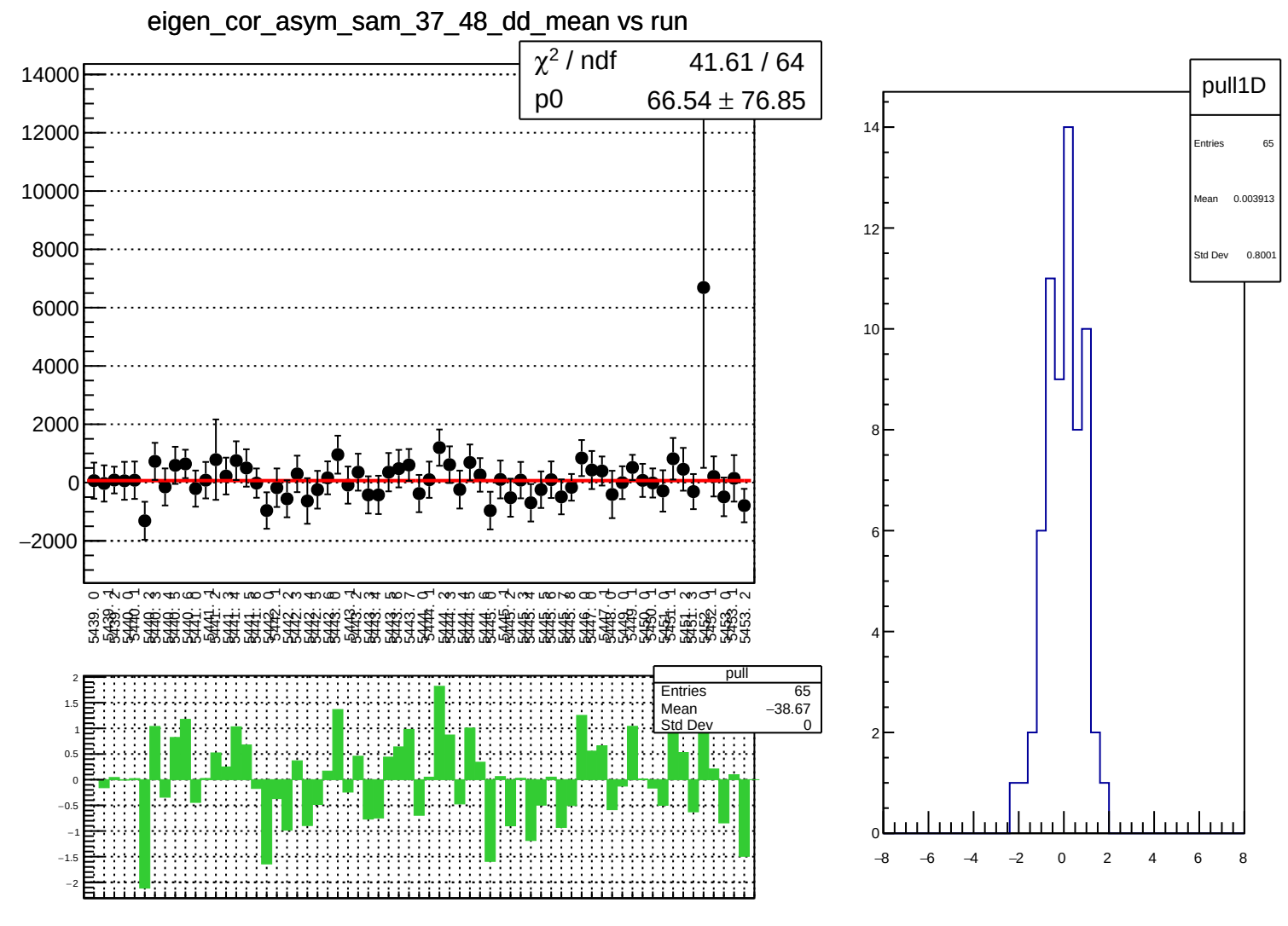

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 41.61 / 64
p0 66.54 ± 76.85
pull
Entries 65
Mean −38.67
Std Dev 0
pull1D
Entries 65
Mean 0.003913
Std Dev 0.8001

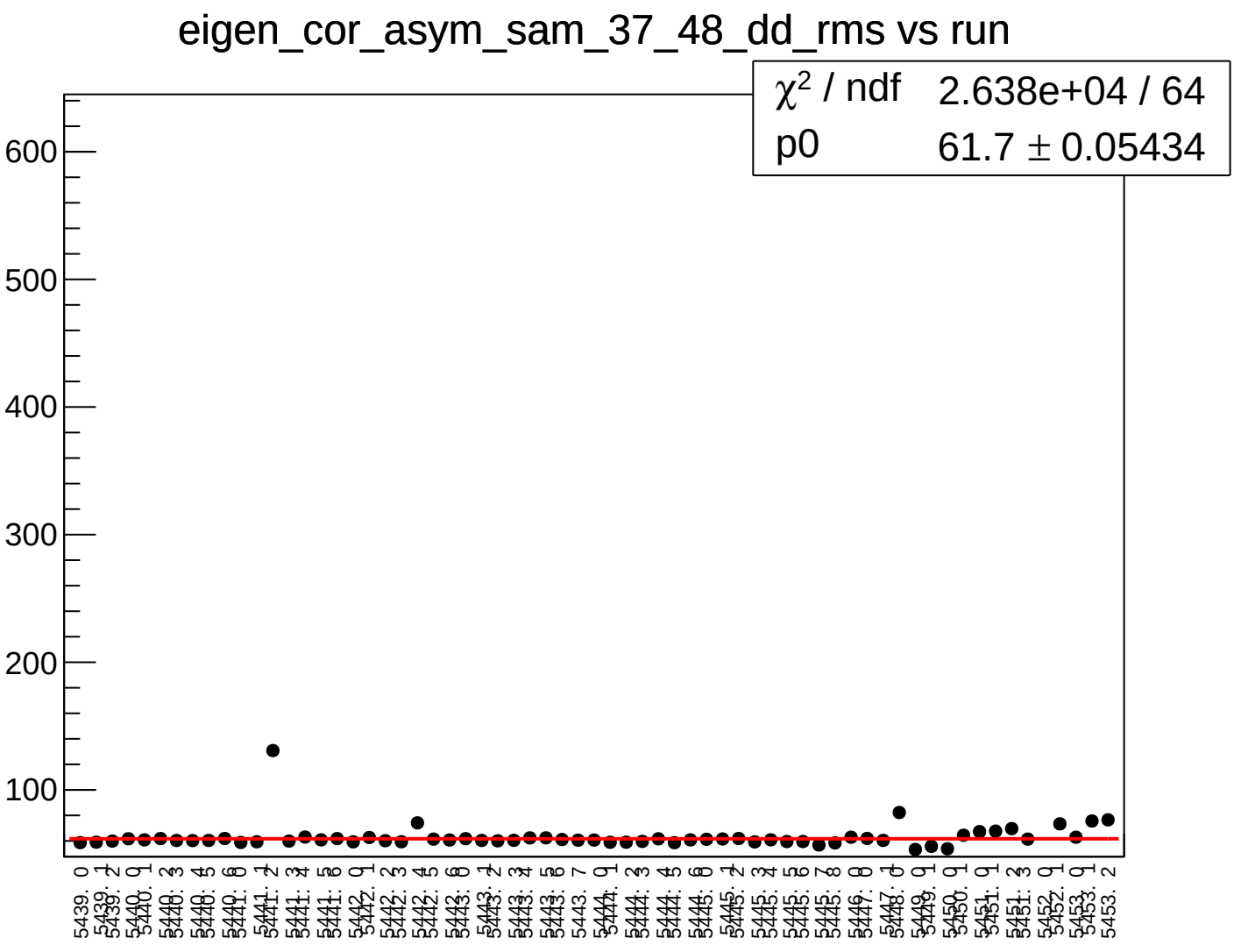

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.638e+04 / 64
p0 61.7 ± 0.05434
600
500
400
300
200
100

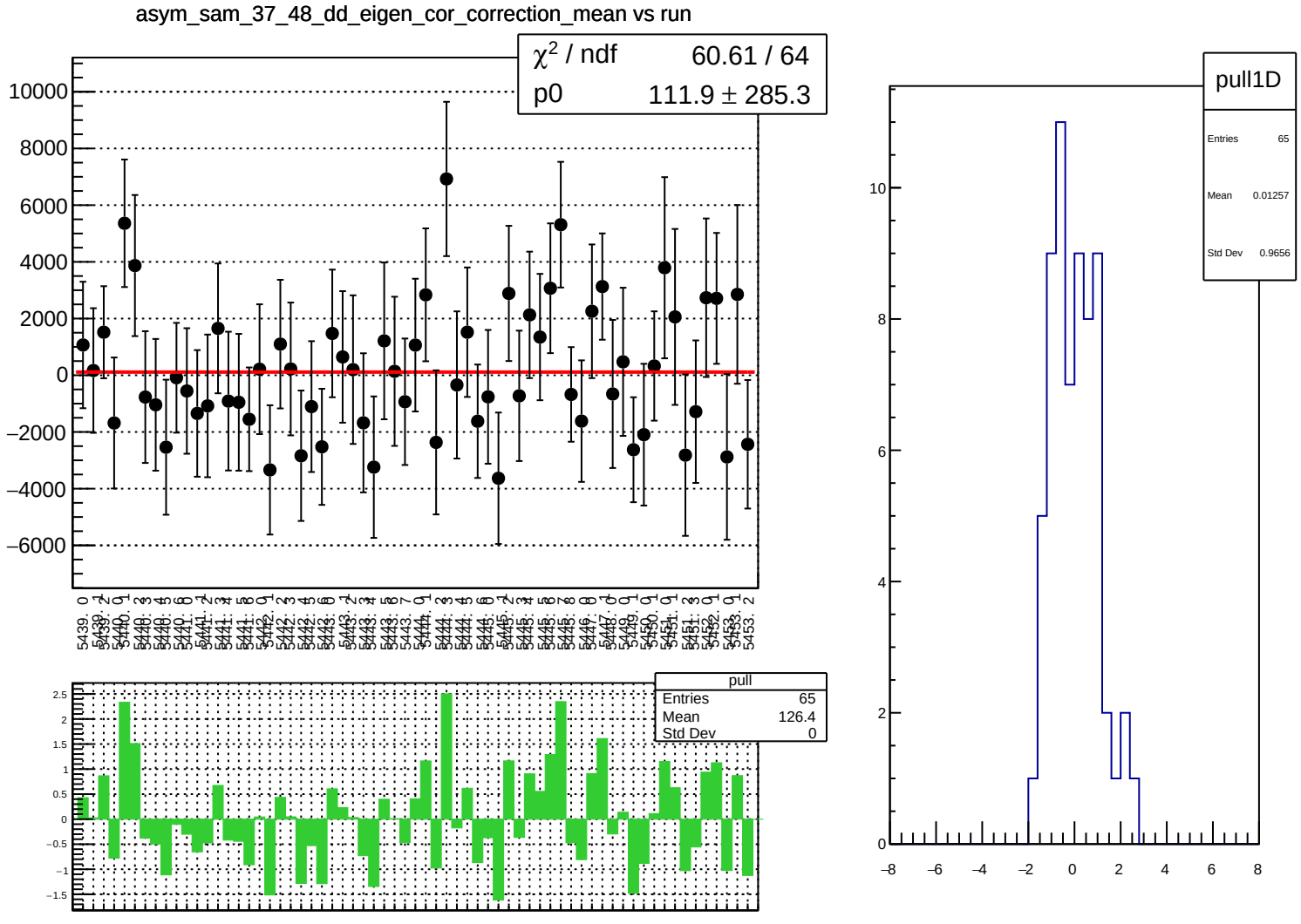

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 60.61 / 64
p0 111.9 ± 285.3
pull
Entries 65
Mean 126.4
Std Dev 0

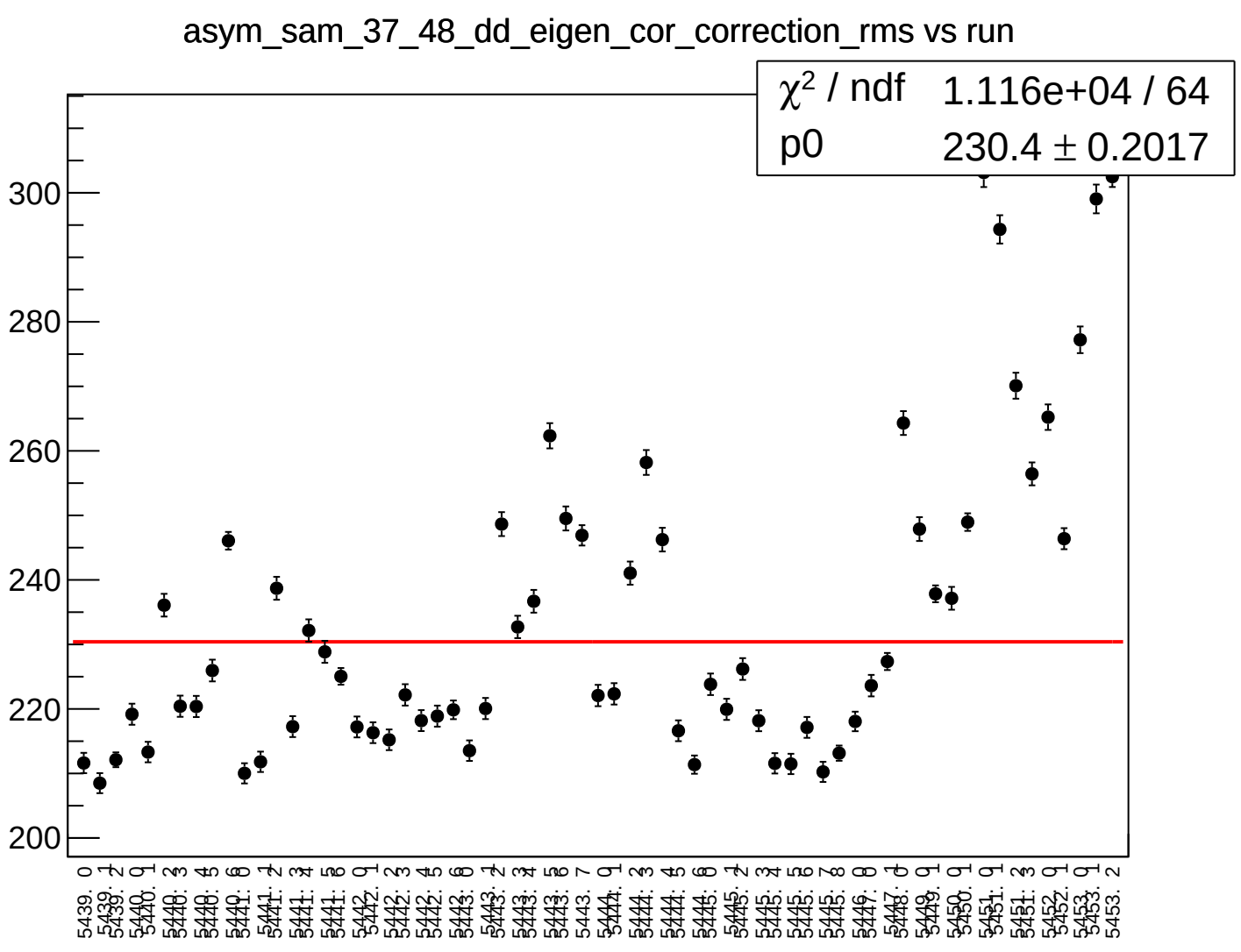

pull1D
Entries 65
Mean 0.01257
Std Dev 0.9656

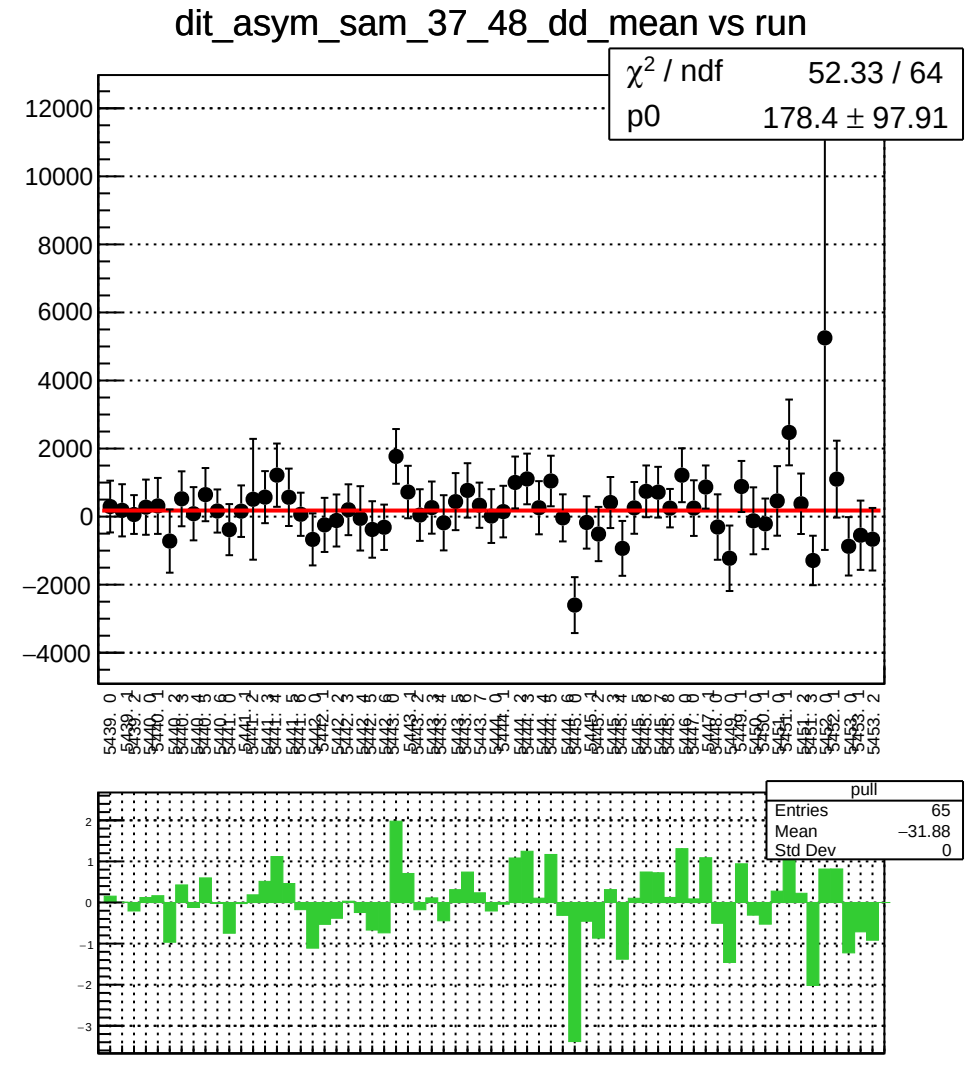

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 1.116e+04 / 64
p0 230.4 ± 0.2017
300
280
260
240
220
200

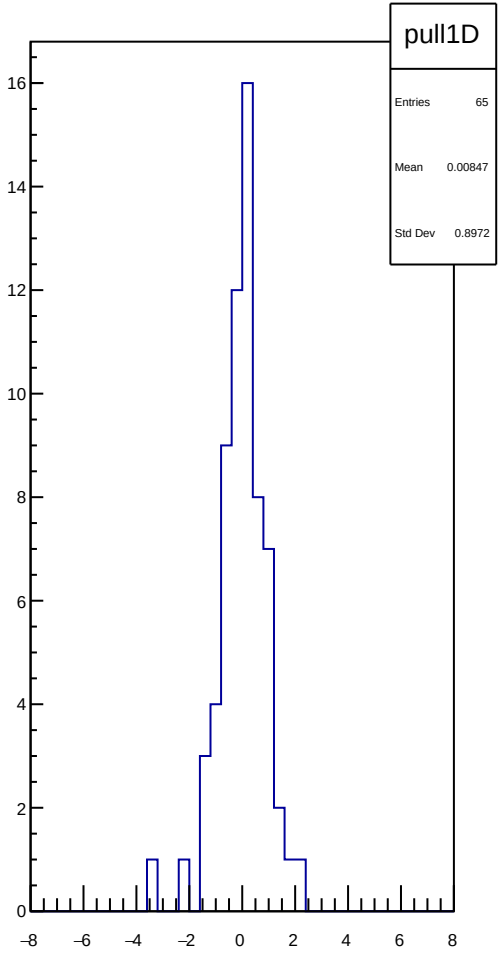

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 41.61 / 64
p0 66.54 ± 76.85
pull
Entries 65
Mean −38.67
Std Dev 0
pull1D
Entries 65
Mean 0.003913
Std Dev 0.8001

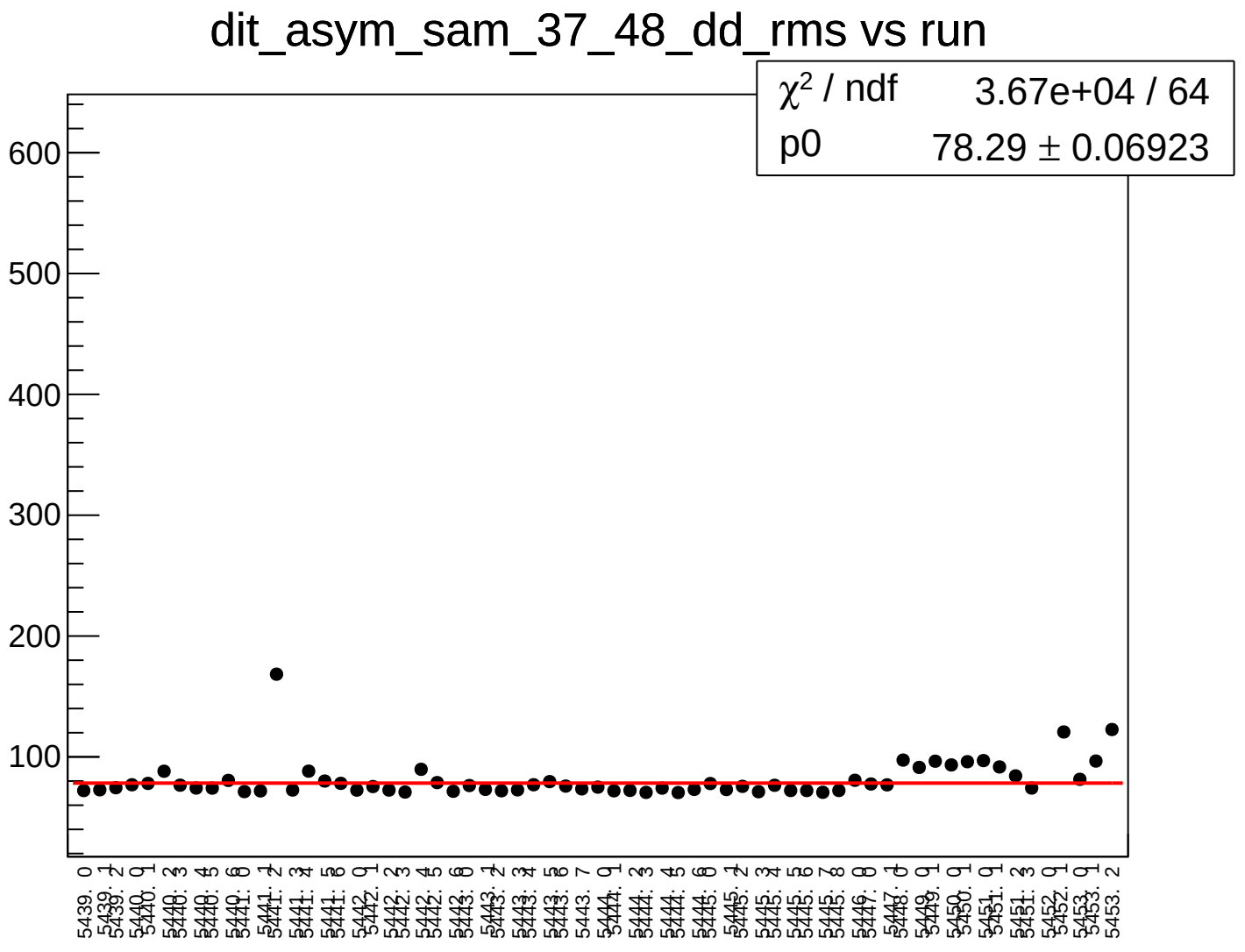

eigen_cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2.638e+04 / 64
p0 61.7 ± 0.05434
600
500
400
300
200
100

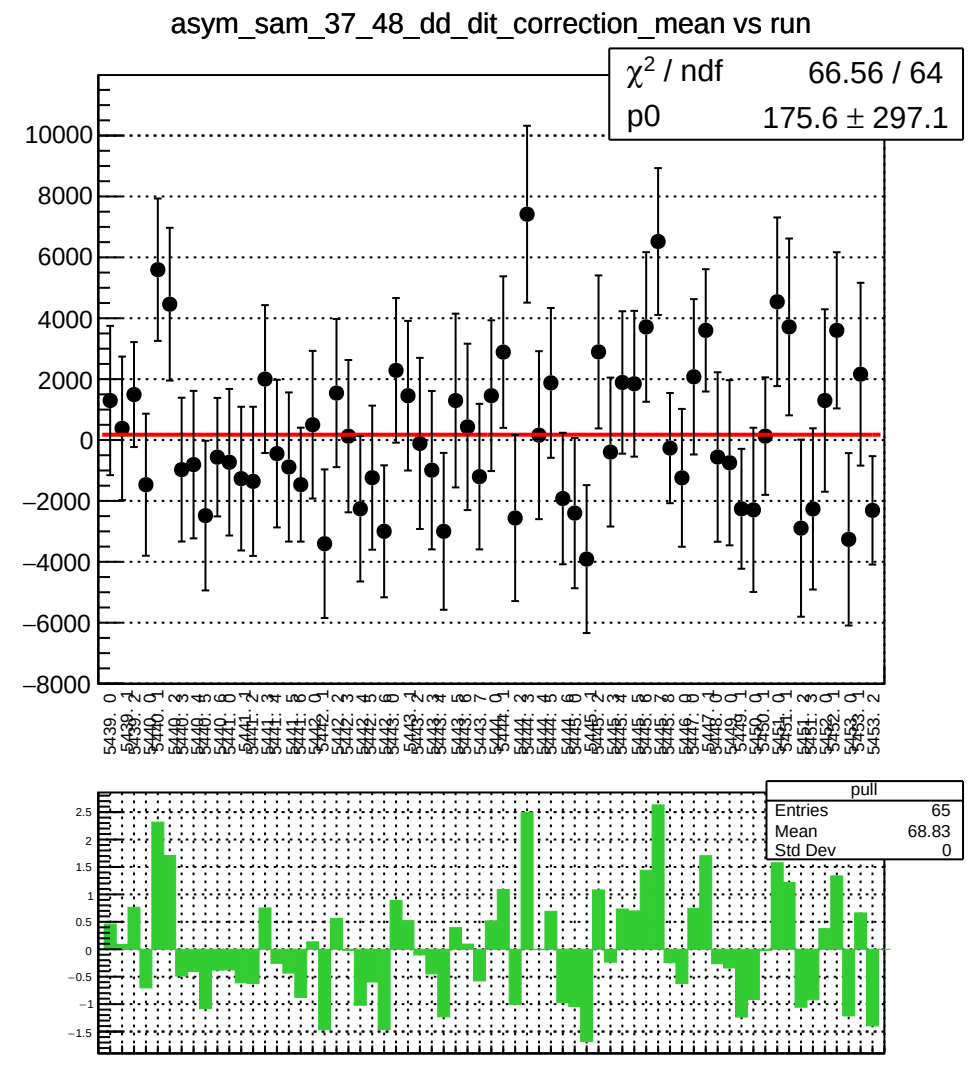

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.61 / 64
p0 111.9 ± 285.3
pull
Entries 65
Mean 126.4
Std Dev 0
pull1D
Entries 65
Mean 0.01257
Std Dev 0.9656

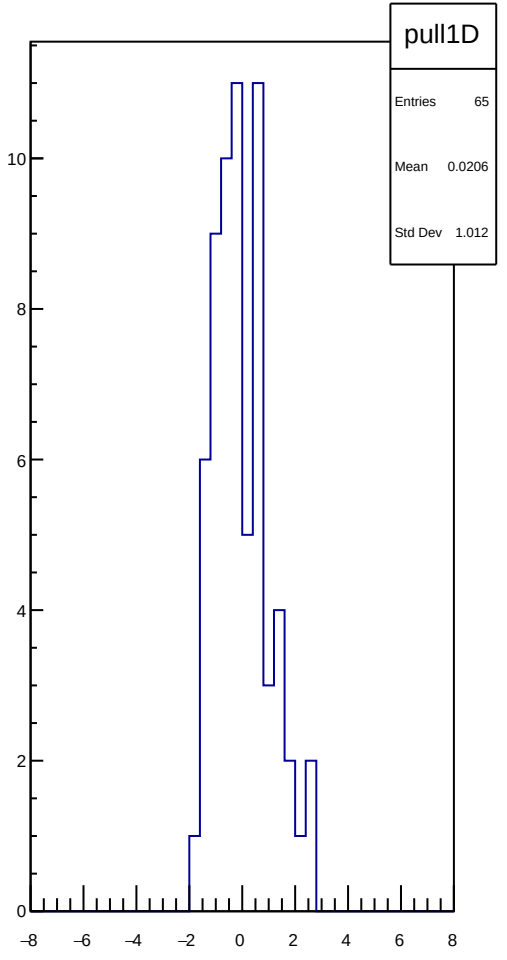

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.116e+04 / 64
p0 230.4 ± 0.2017
300
280
260
240
220
200

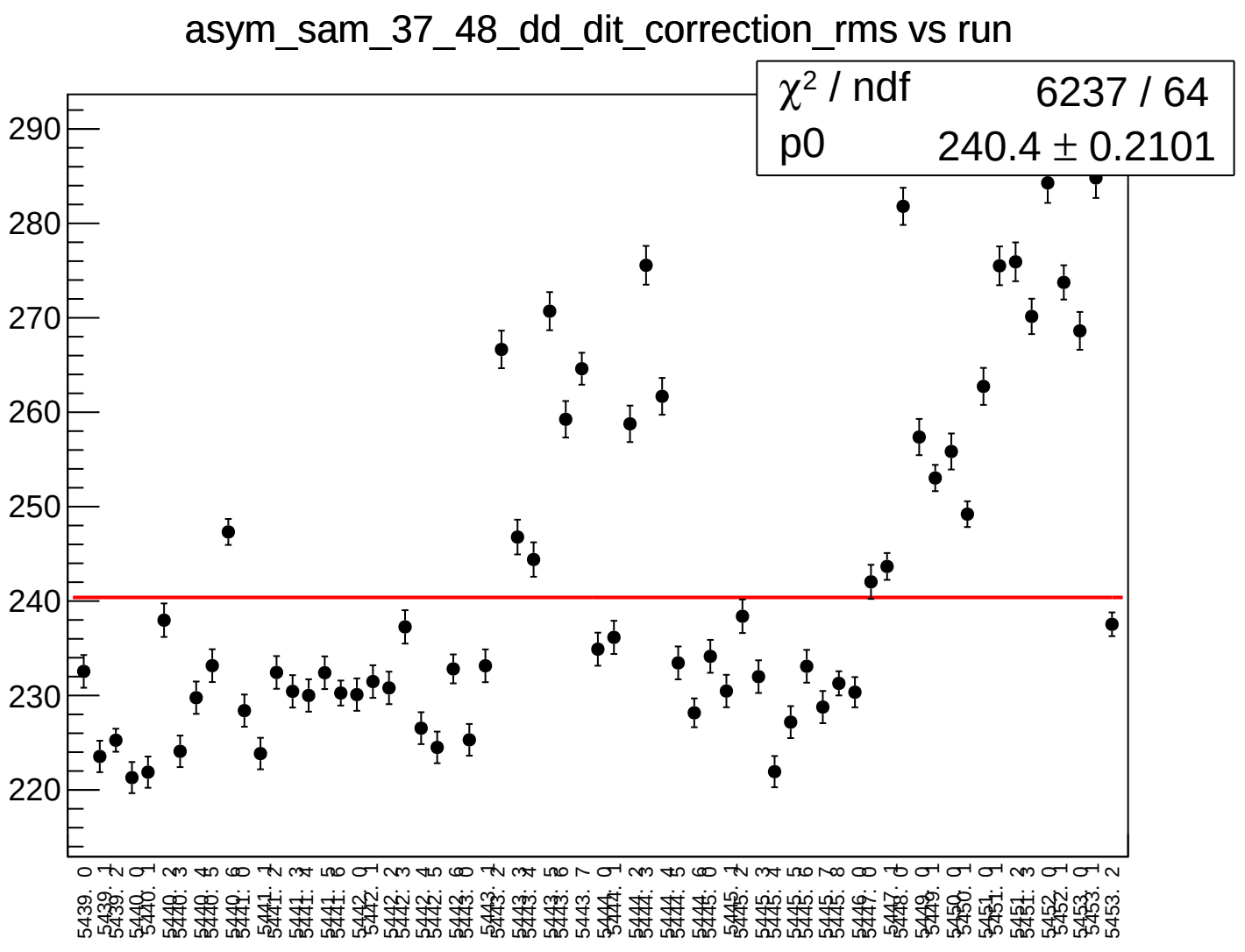

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 52.33 / 64
p0 178.4 ± 97.91
pull
Entries 65
Mean −31.88
Std Dev 0

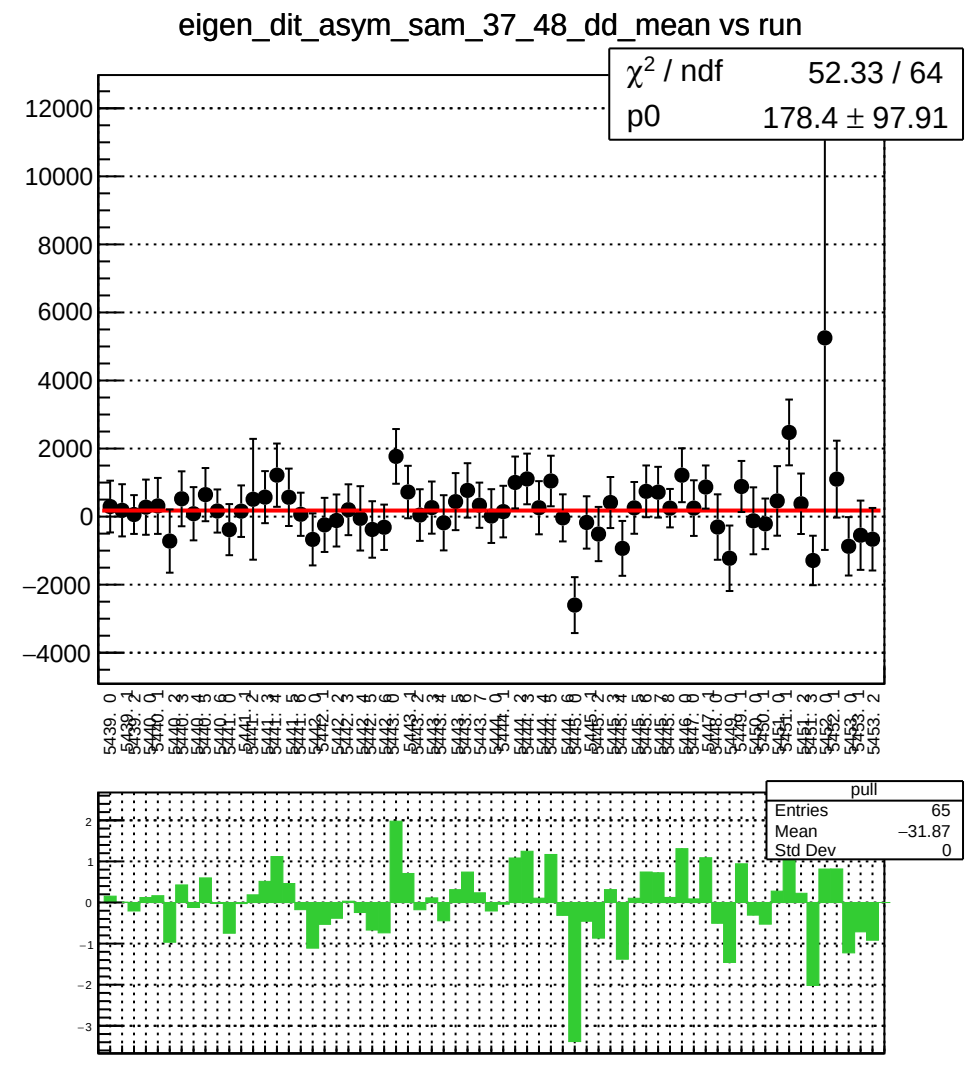

pull1D
Entries 65
Mean 0.00847
Std Dev 0.8972

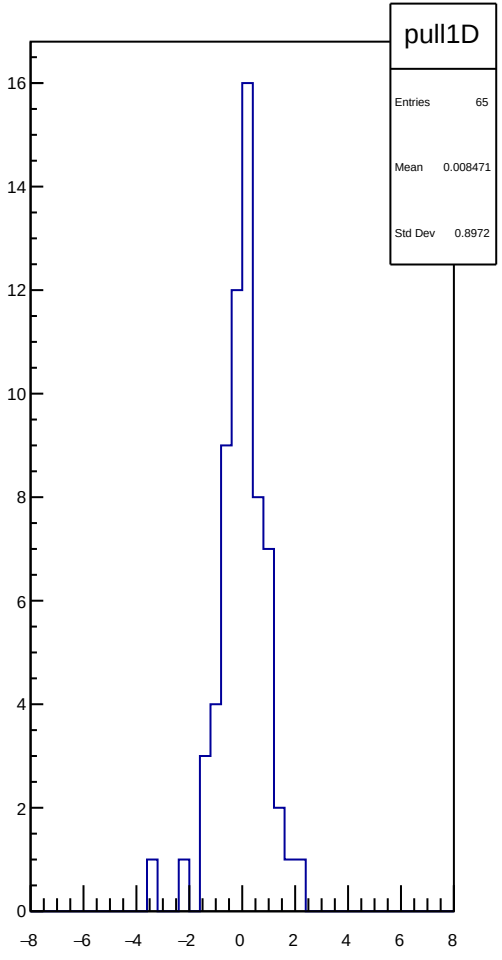

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 3.67e+04 / 64
p0 78.29 ± 0.06923
600
500
400
300
200
100

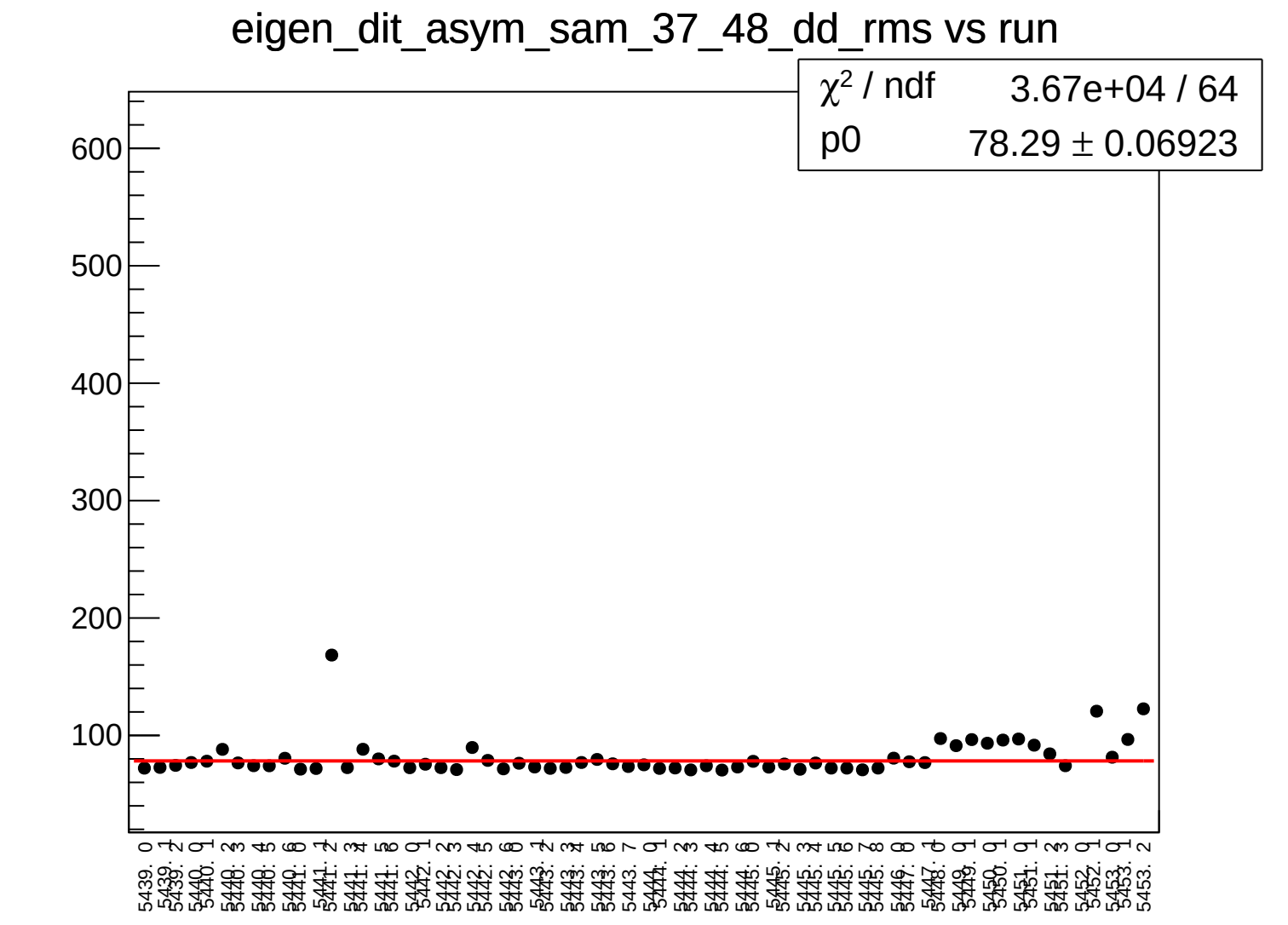

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 66.56 / 64
p0 175.6 ± 297.1
pull
Entries 65
Mean 68.83
Std Dev 0

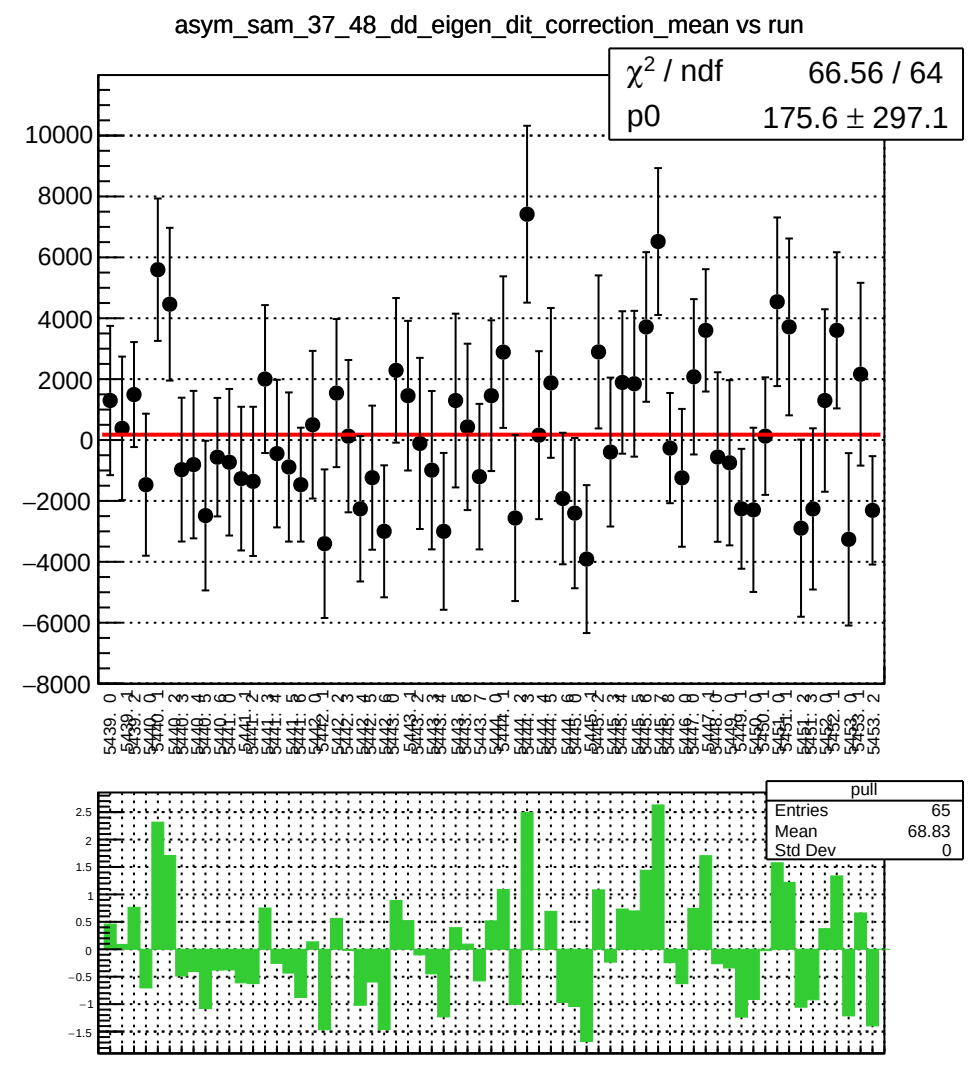

pull1D
Entries 65
Mean 0.0206
Std Dev 1.012

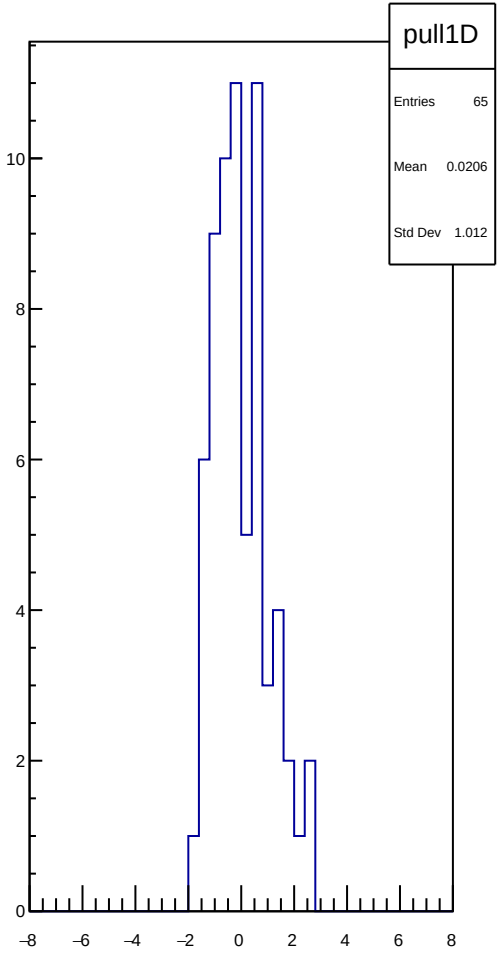

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 6237 / 64
p0 240.4 ± 0.2101
290
280
270
260
250
240
230
220

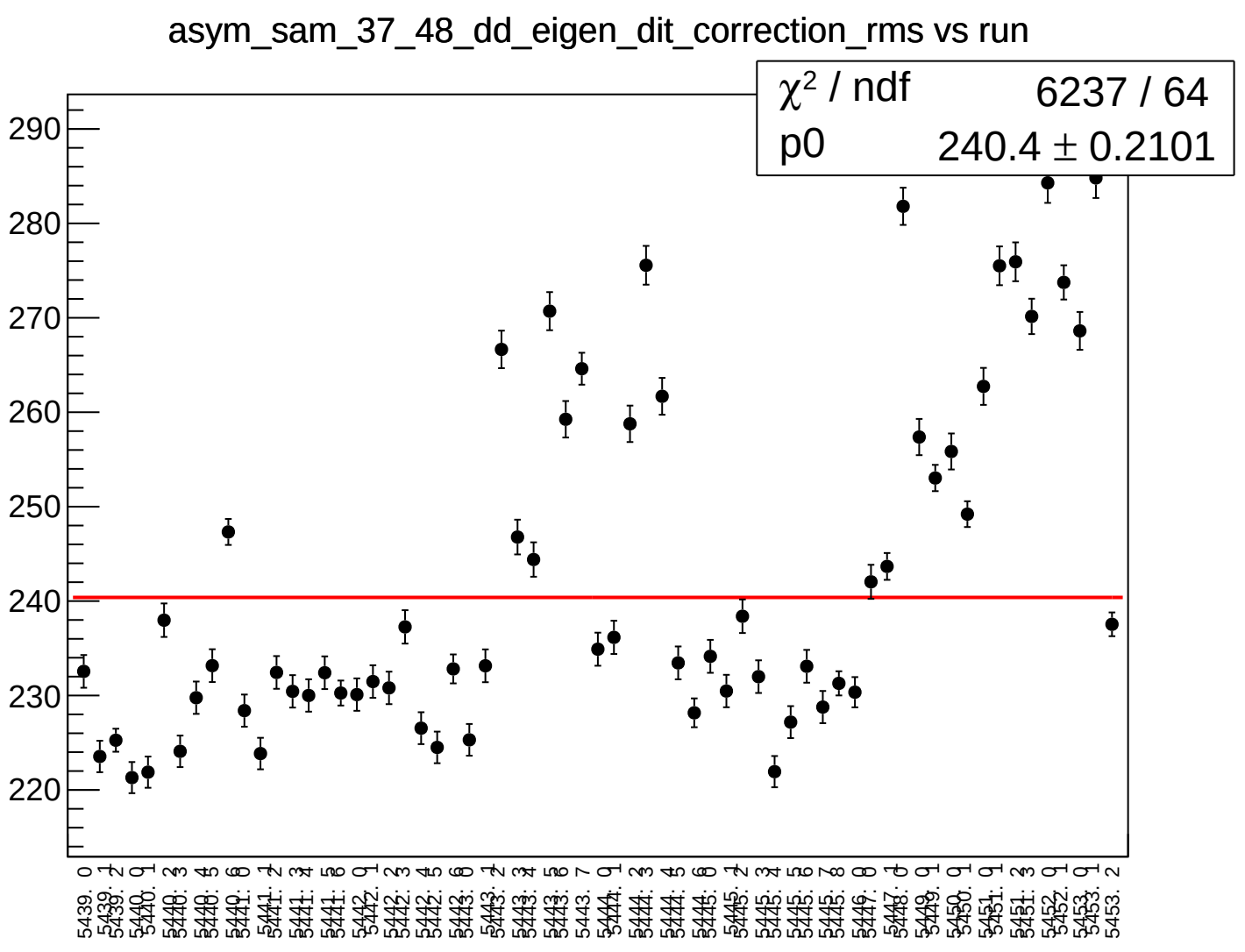

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 52.33 / 64
p0 178.4 ± 97.91
pull
Entries 65
Mean −31.87
Std Dev 0

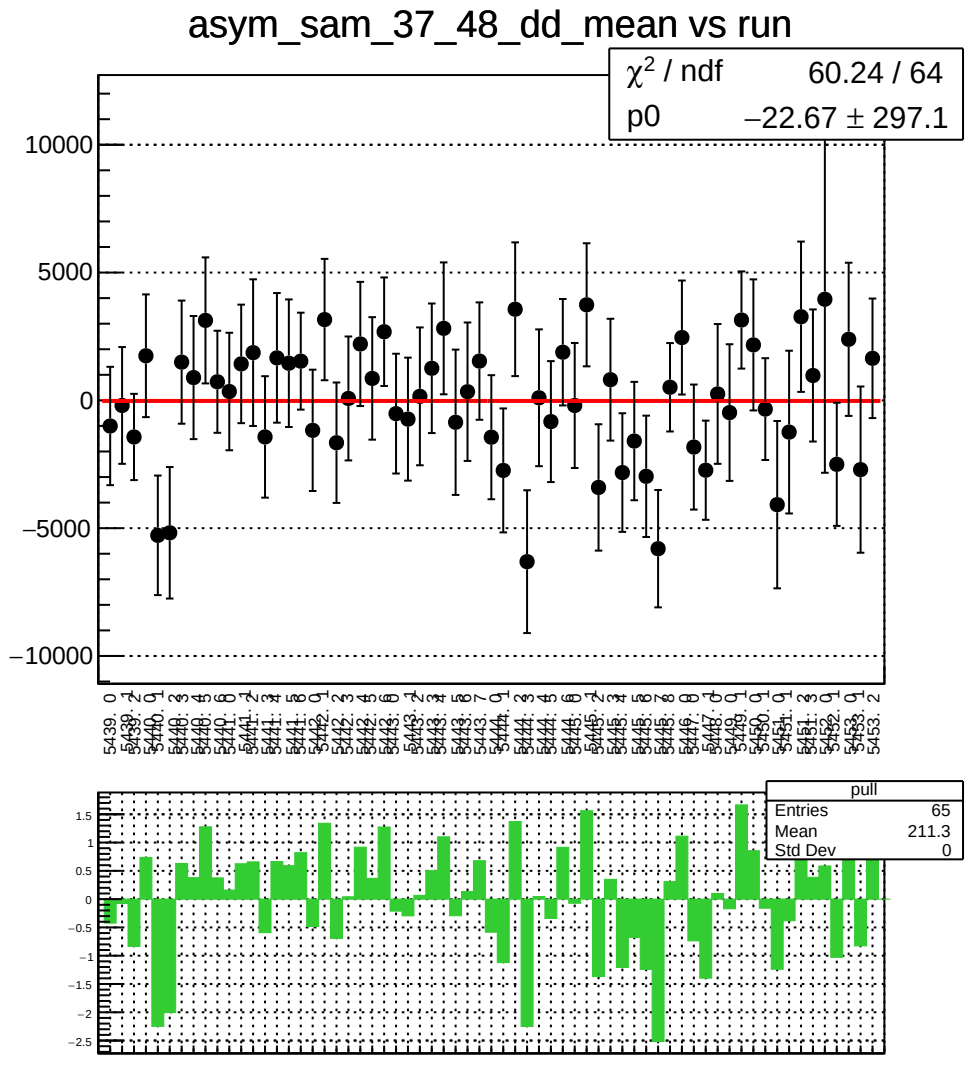

pull1D
Entries 65
Mean 0.008471
Std Dev 0.8972

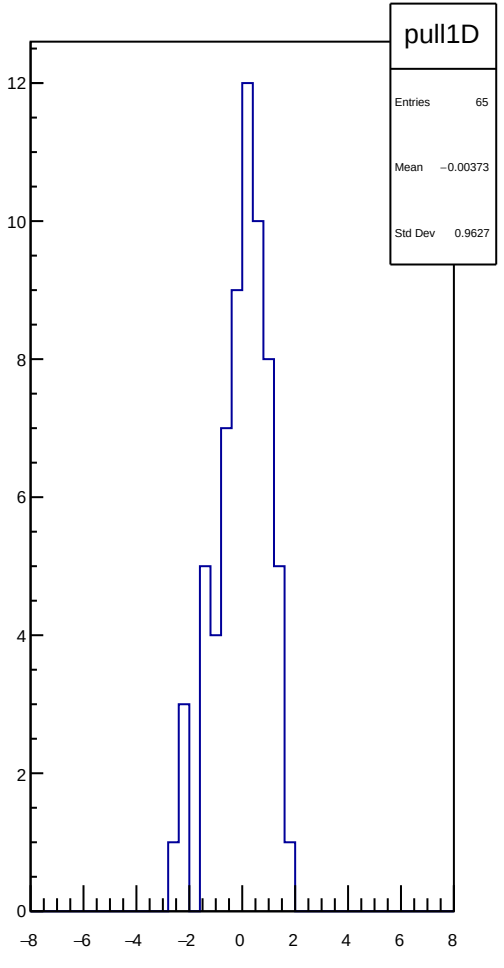

eigen_dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 3.67e+04 / 64
p0 78.29 ± 0.06923
600
500
400
300
200
100

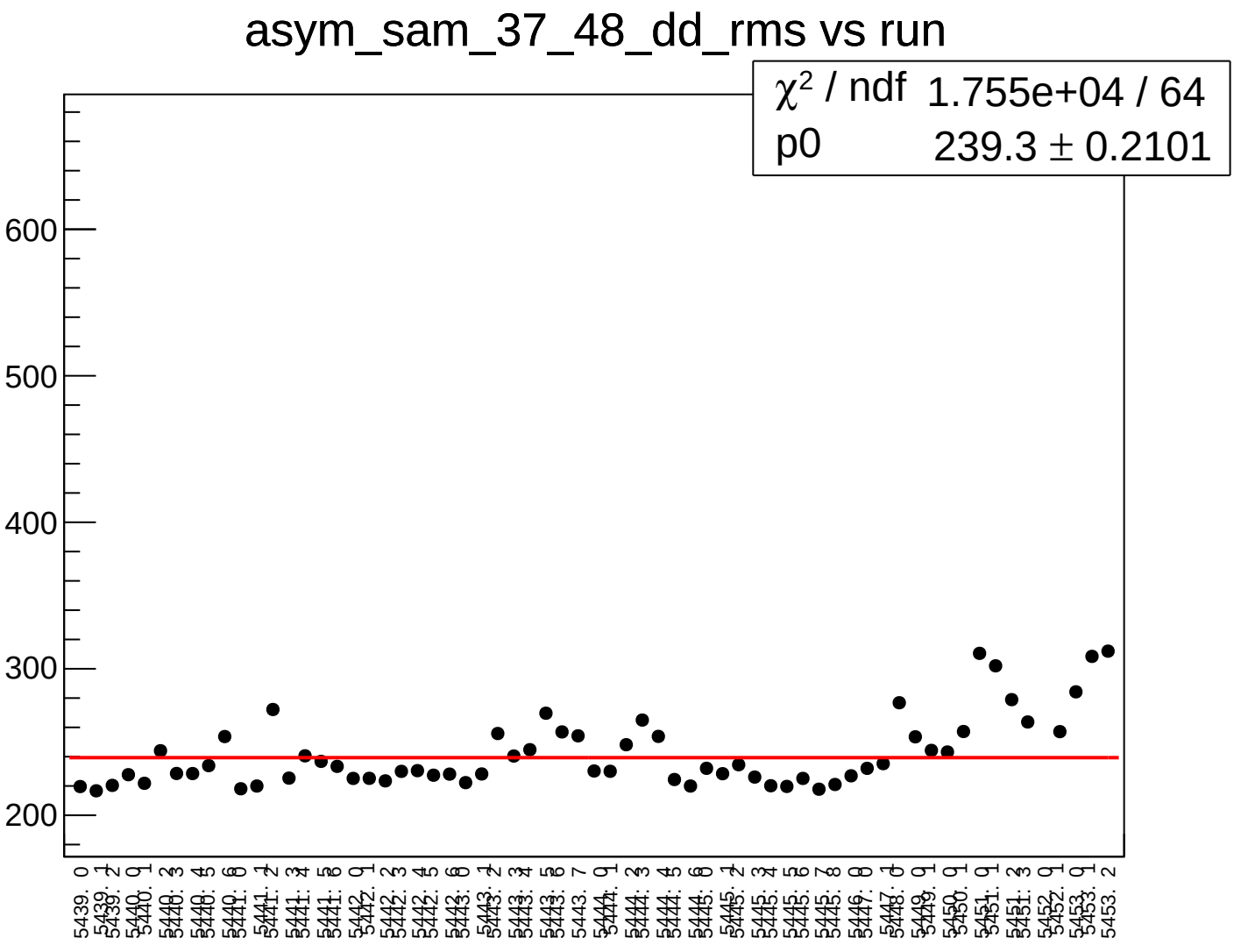

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.56 / 64
p0 175.6 ± 297.1
pull
Entries 65
Mean 68.83
Std Dev 0

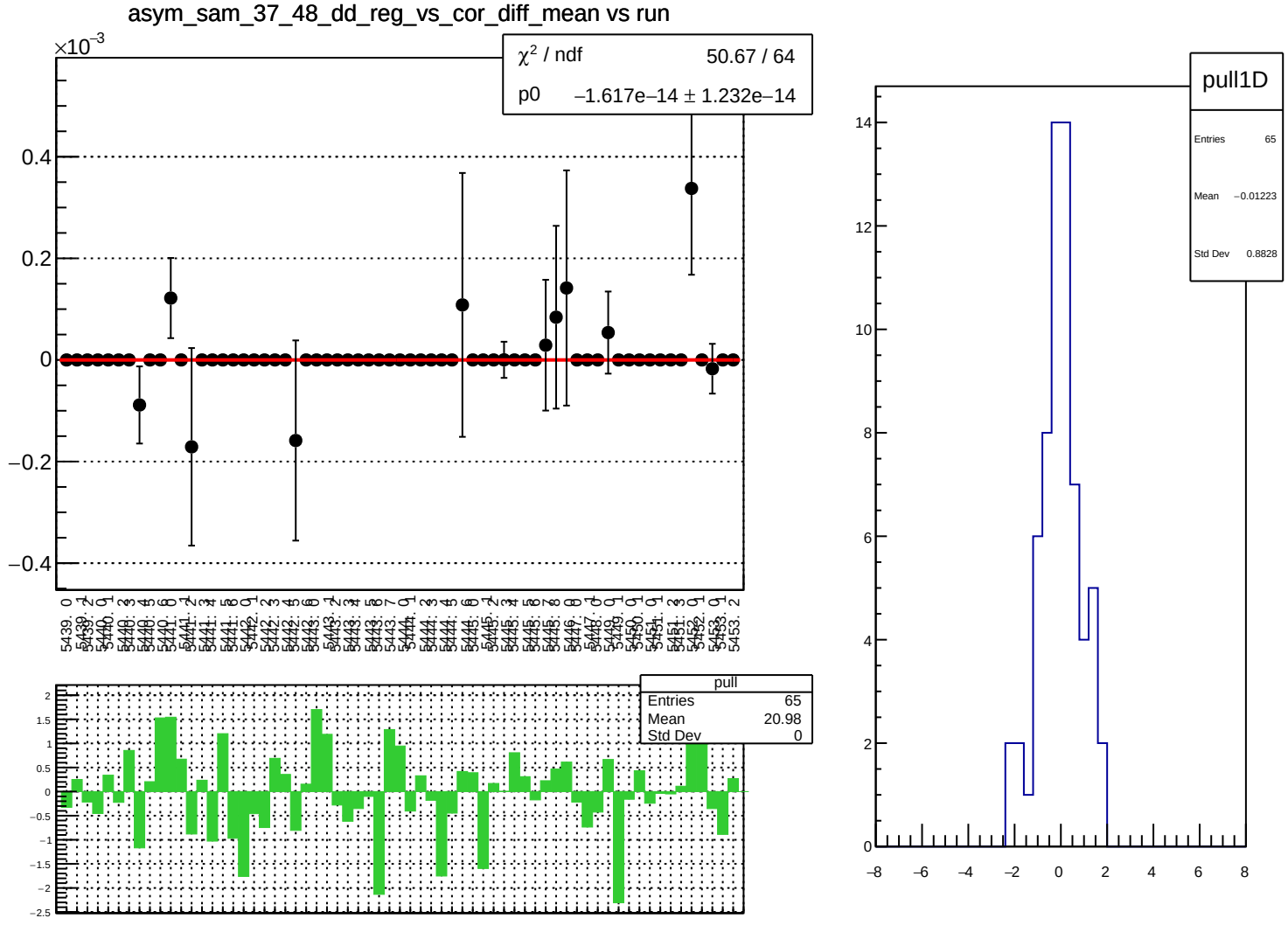

pull1D
Entries 65
Mean 0.0206
Std Dev 1.012

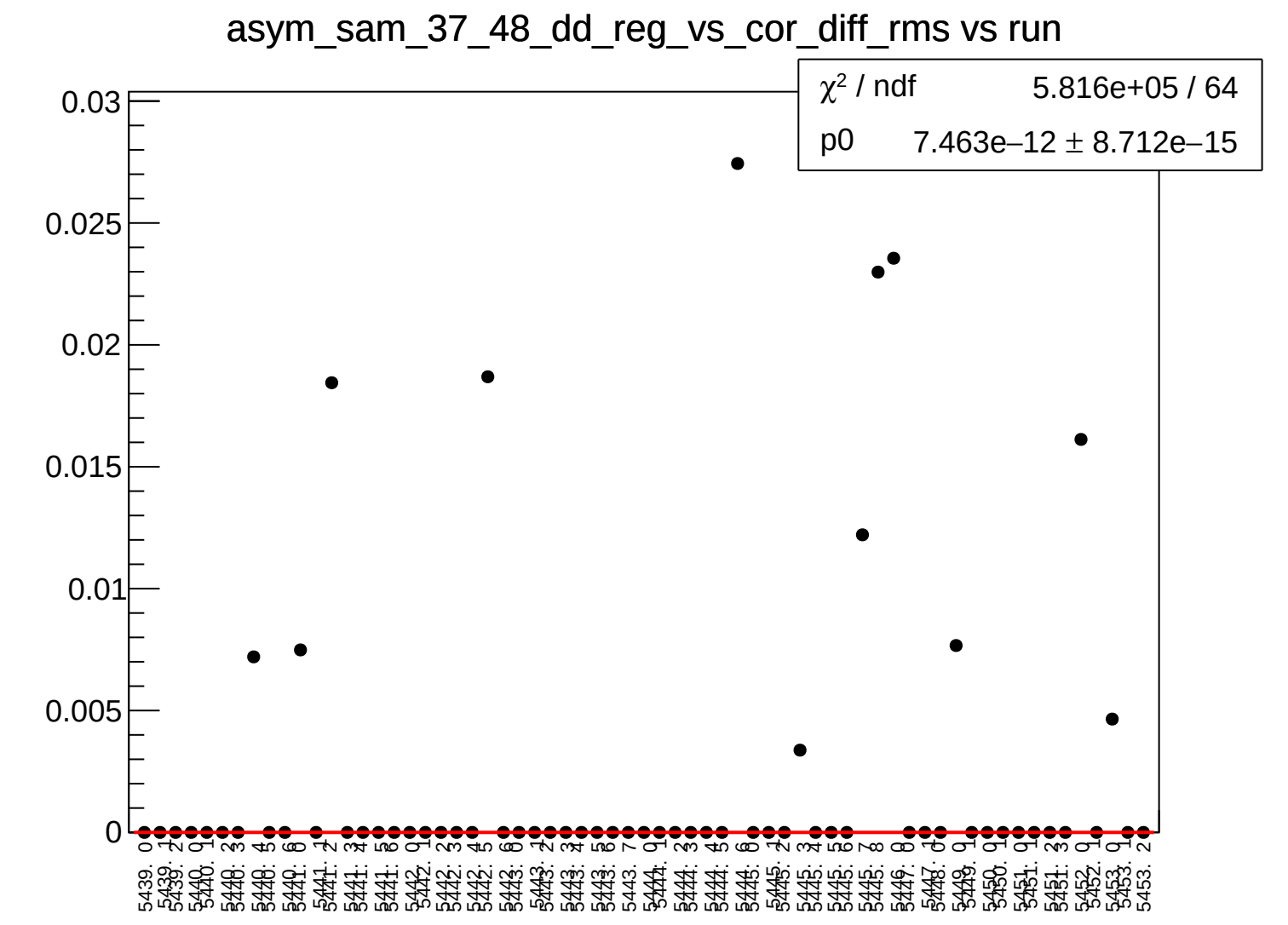

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 6237 / 64
p0 240.4 ± 0.2101
290
280
270
260
250
240
230
220

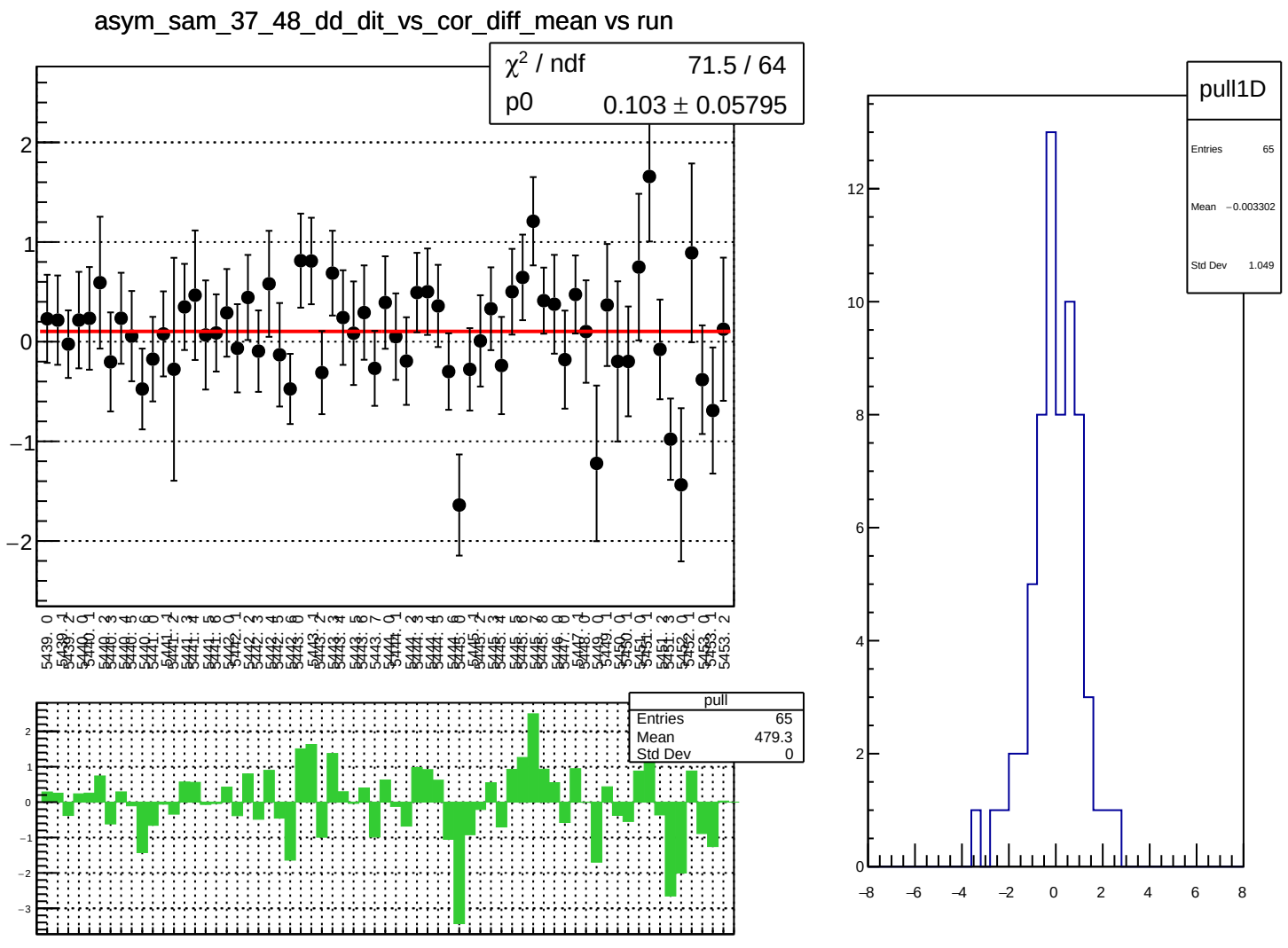

asym_sam_37_48_dd_mean vs run
χ² / ndf 60.24 / 64
p0 −22.67 ± 297.1
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 211.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

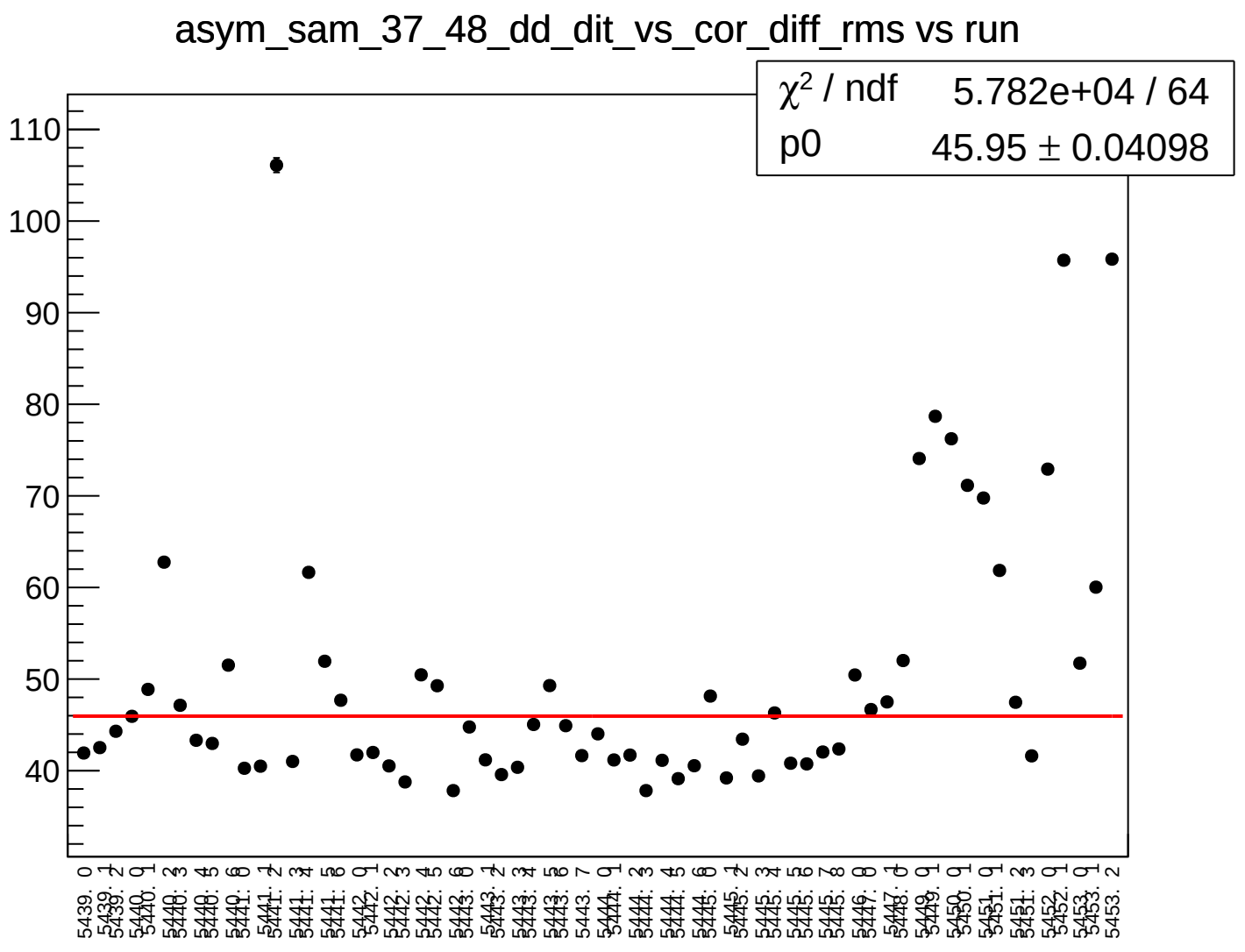

pull1D
Entries 65
Mean −0.00373
Std Dev 0.9627
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_rms vs run
χ² / ndf 1.755e+04 / 64
p0 239.3 ± 0.2101
600
500
400
300
200

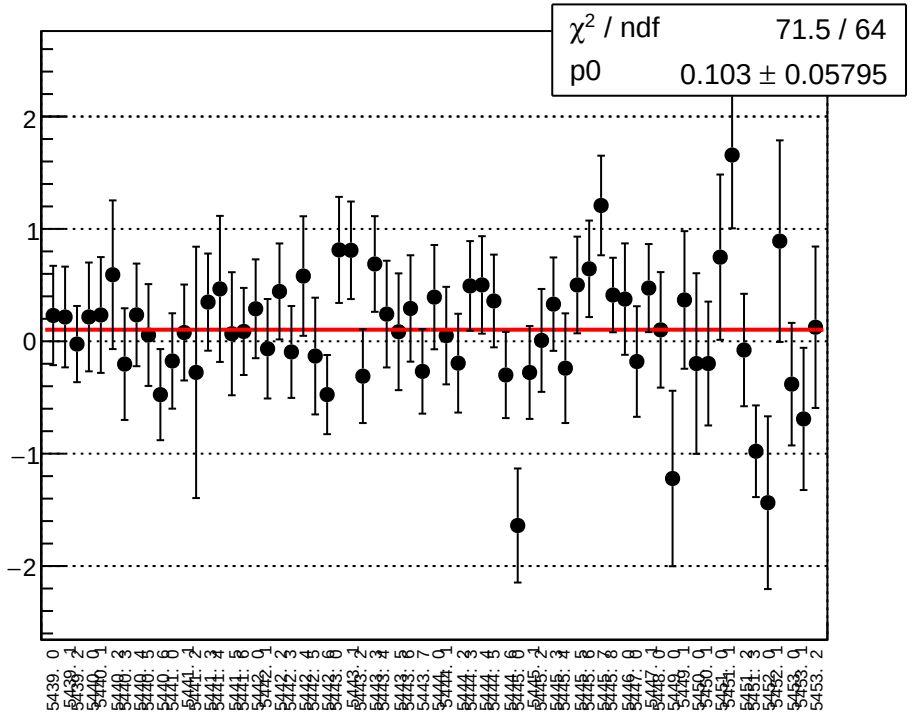

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 50.67 / 64
p0 −1.617e−14 ± 1.232e−14
0.4
0.2
0
−0.2
−0.4
pull
Entries 65
Mean 20.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 65
Mean −0.01223
Std Dev 0.8828
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

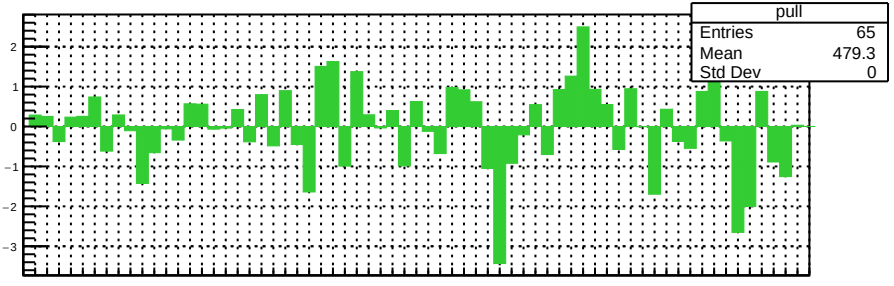

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.816e+05 / 64
p0 7.463e−12 ± 8.712e−15
0.03
0.025
0.02
0.015
0.01
0.005
0

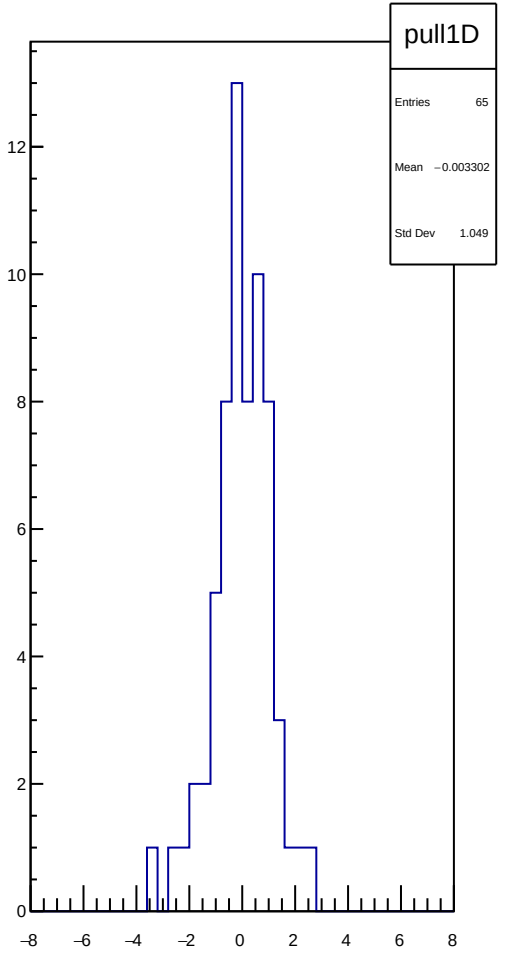

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.5 / 64
p0 0.103 ± 0.05795
pull
Entries 65
Mean 479.3
Std Dev 0
pull1D
Entries 65
Mean −0.003302
Std Dev 1.049

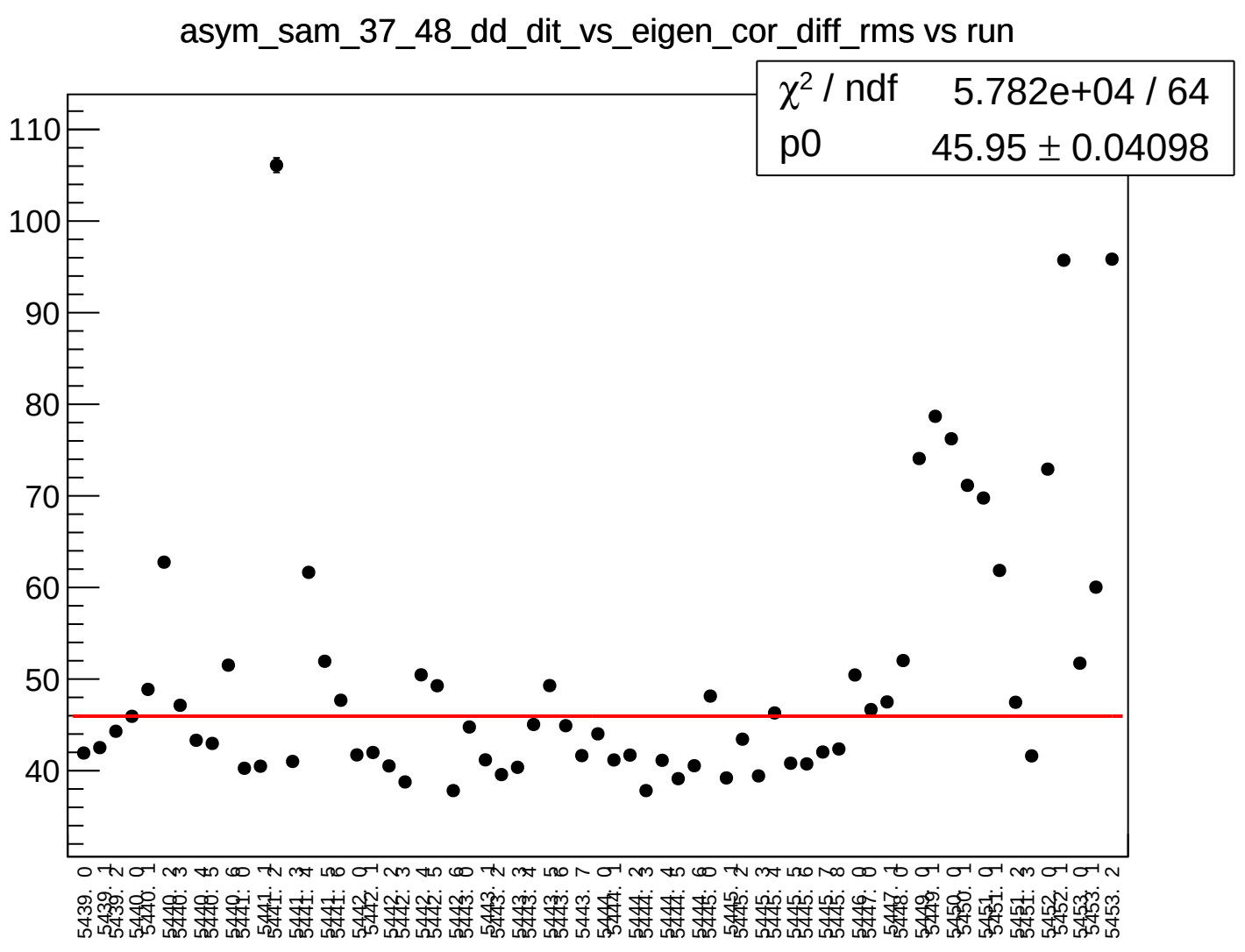

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.782e+04 / 64
p0 45.95 ± 0.04098
110
100
90
80
70
60
50
40

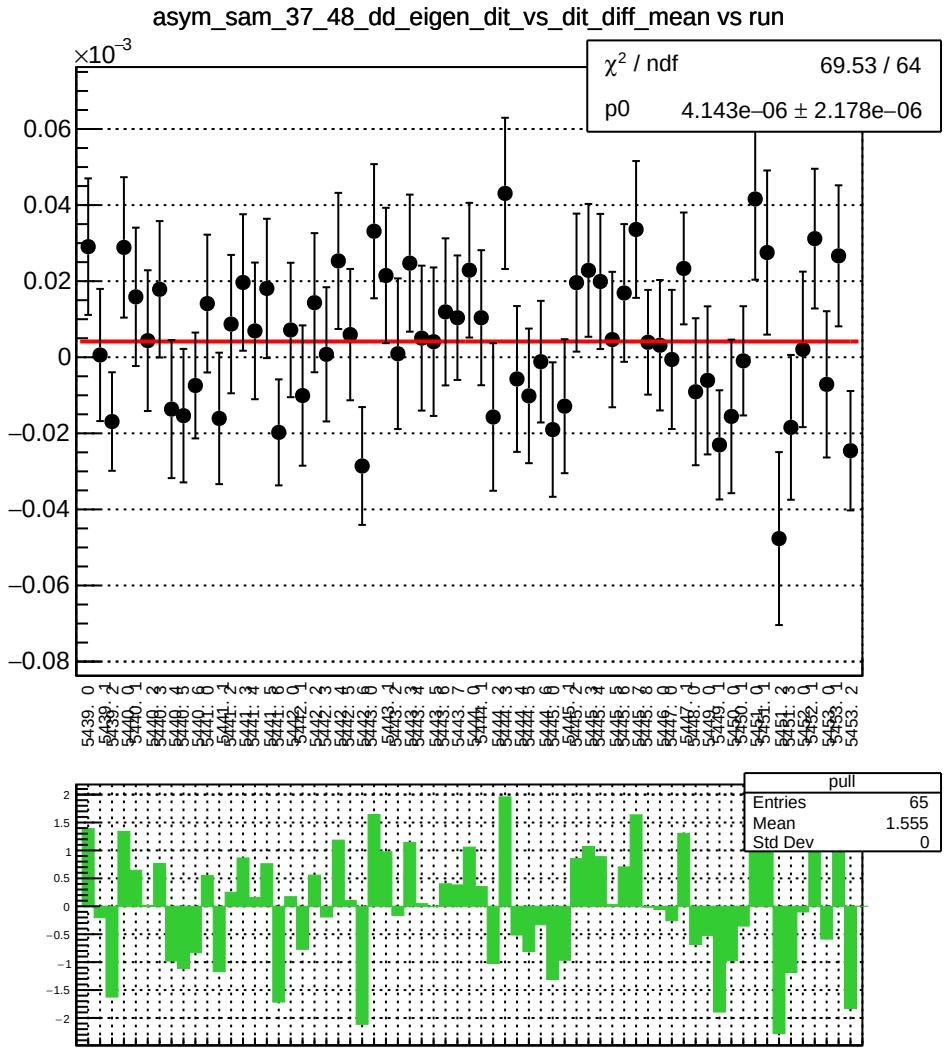
asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run

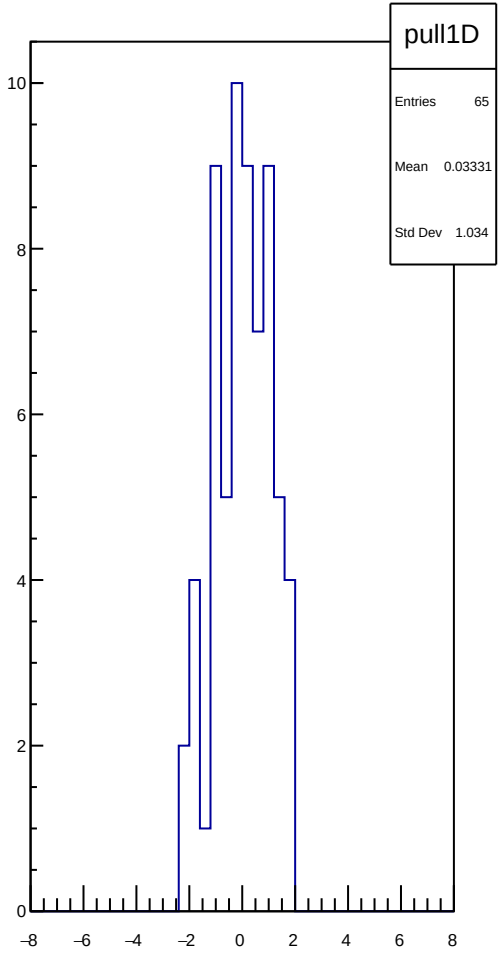


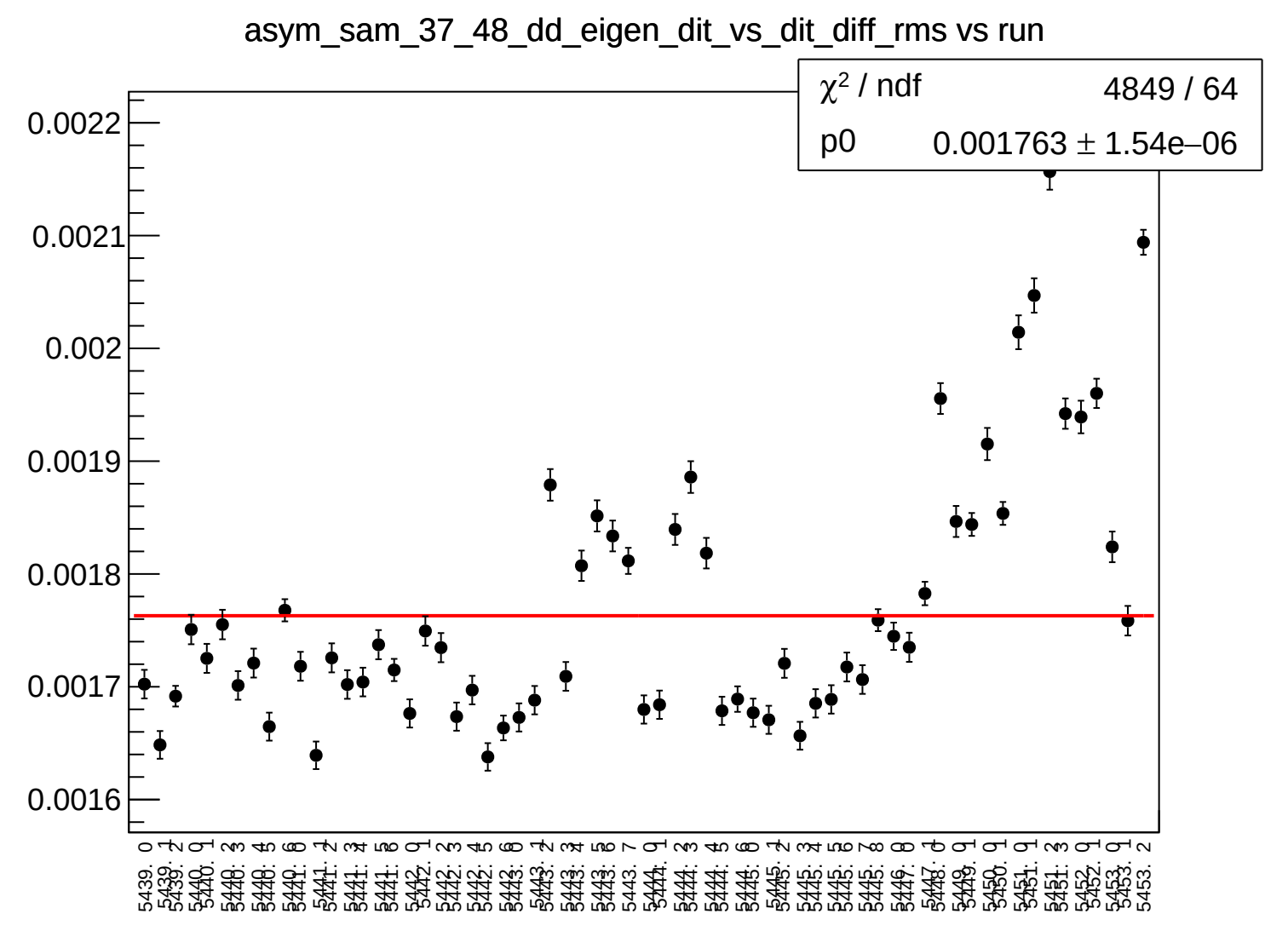




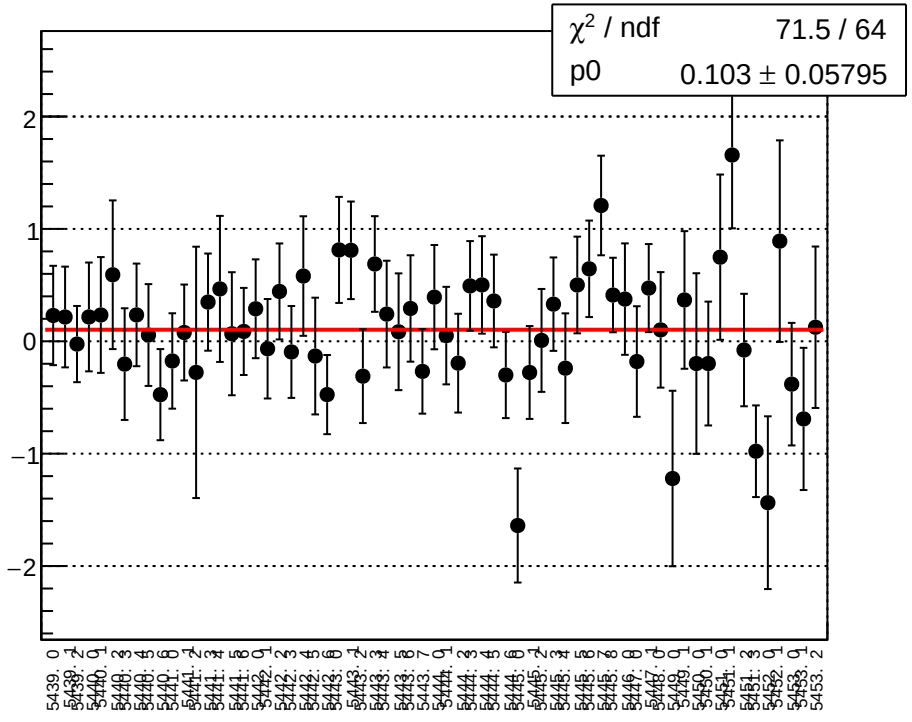

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.782e+04 / 64
p0 45.95 ± 0.04098
110
100
90
80
70
60
50
40

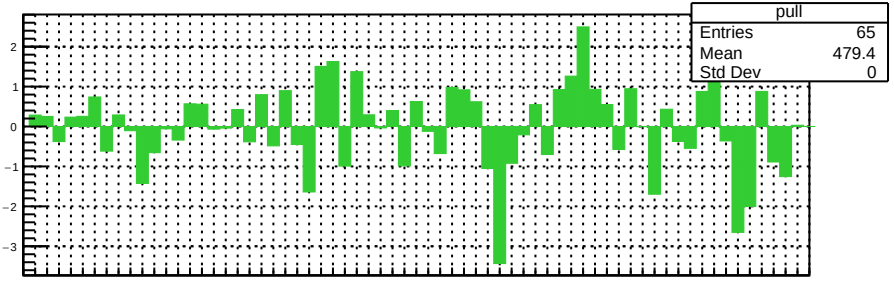

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.53 / 64
p0 4.143e−06 ± 2.178e−06
pull
Entries 65
Mean 1.555
Std Dev 0

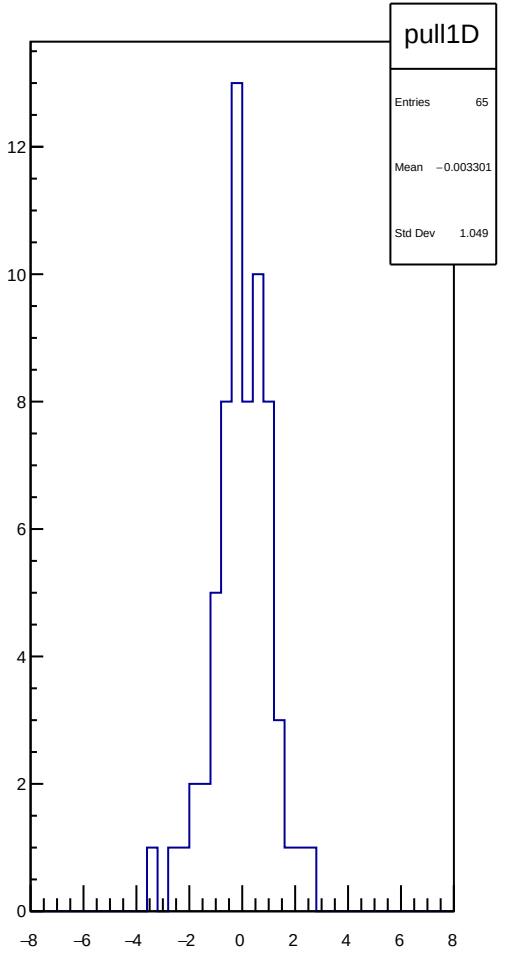

pull1D
Entries 65
Mean 0.03331
Std Dev 1.034

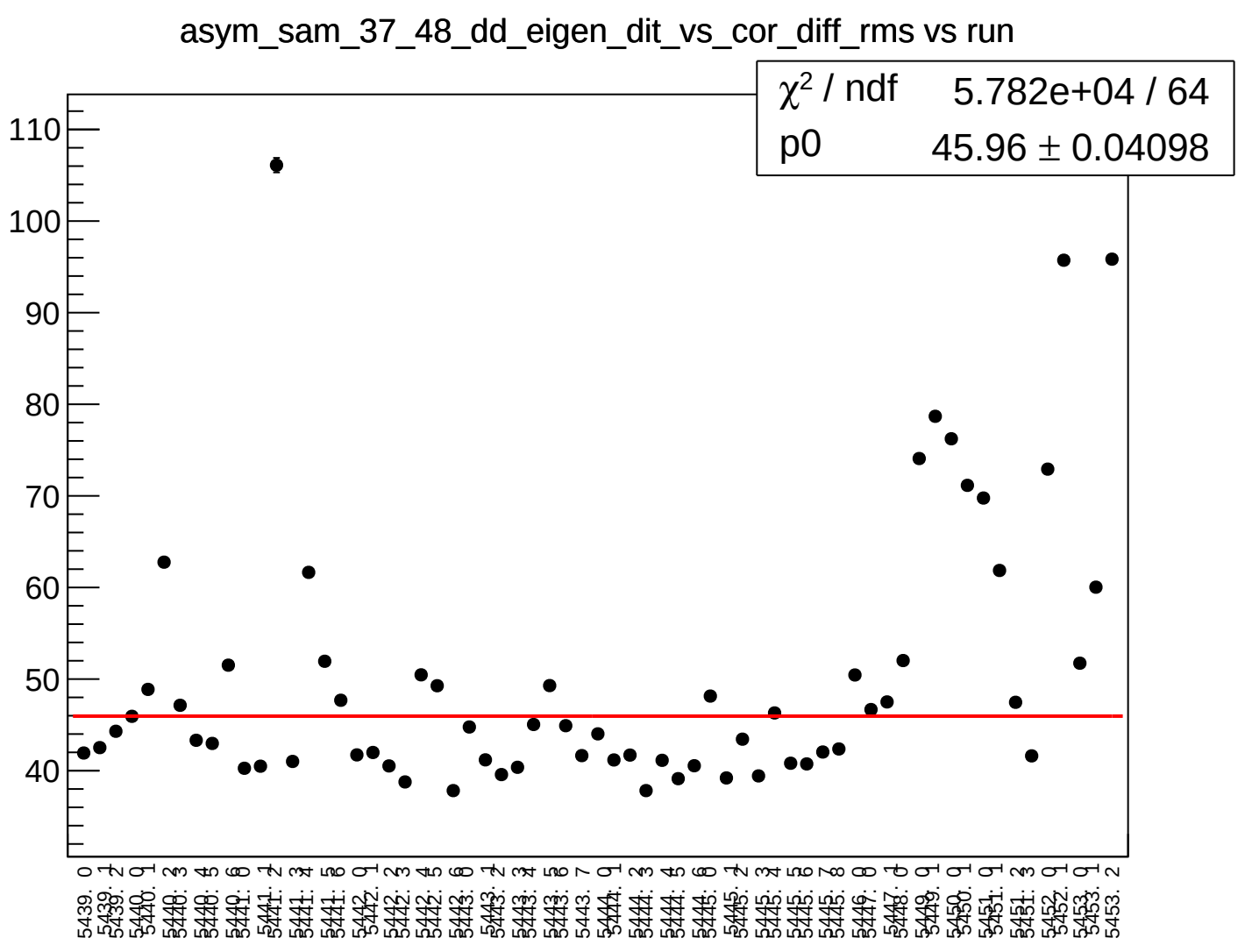

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4849 / 64
p0 0.001763 ± 1.54e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run

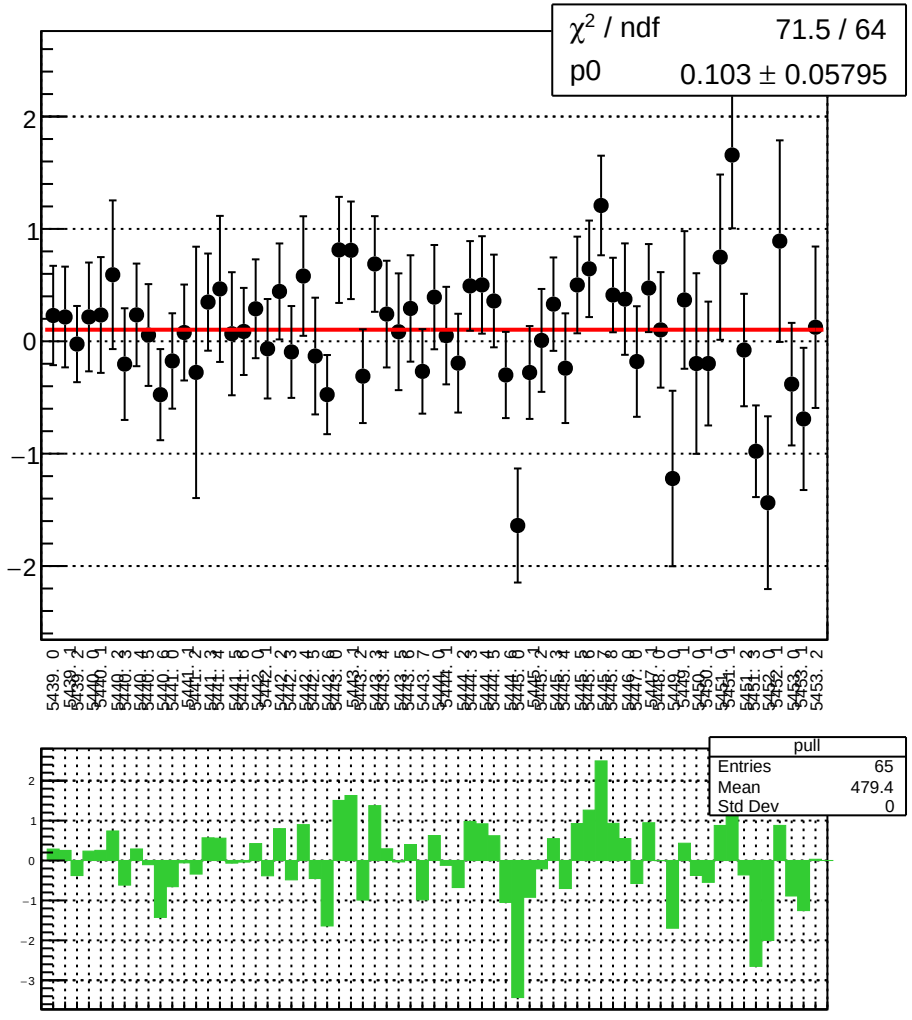


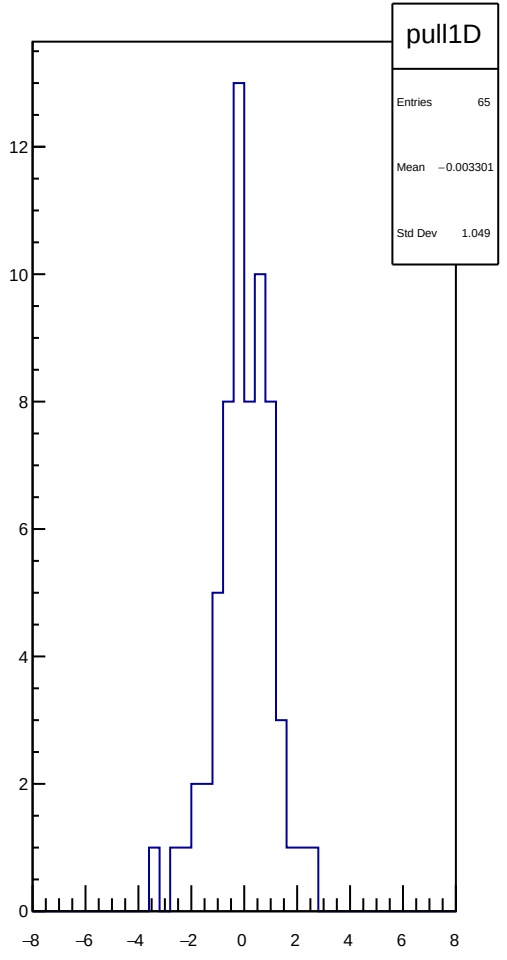


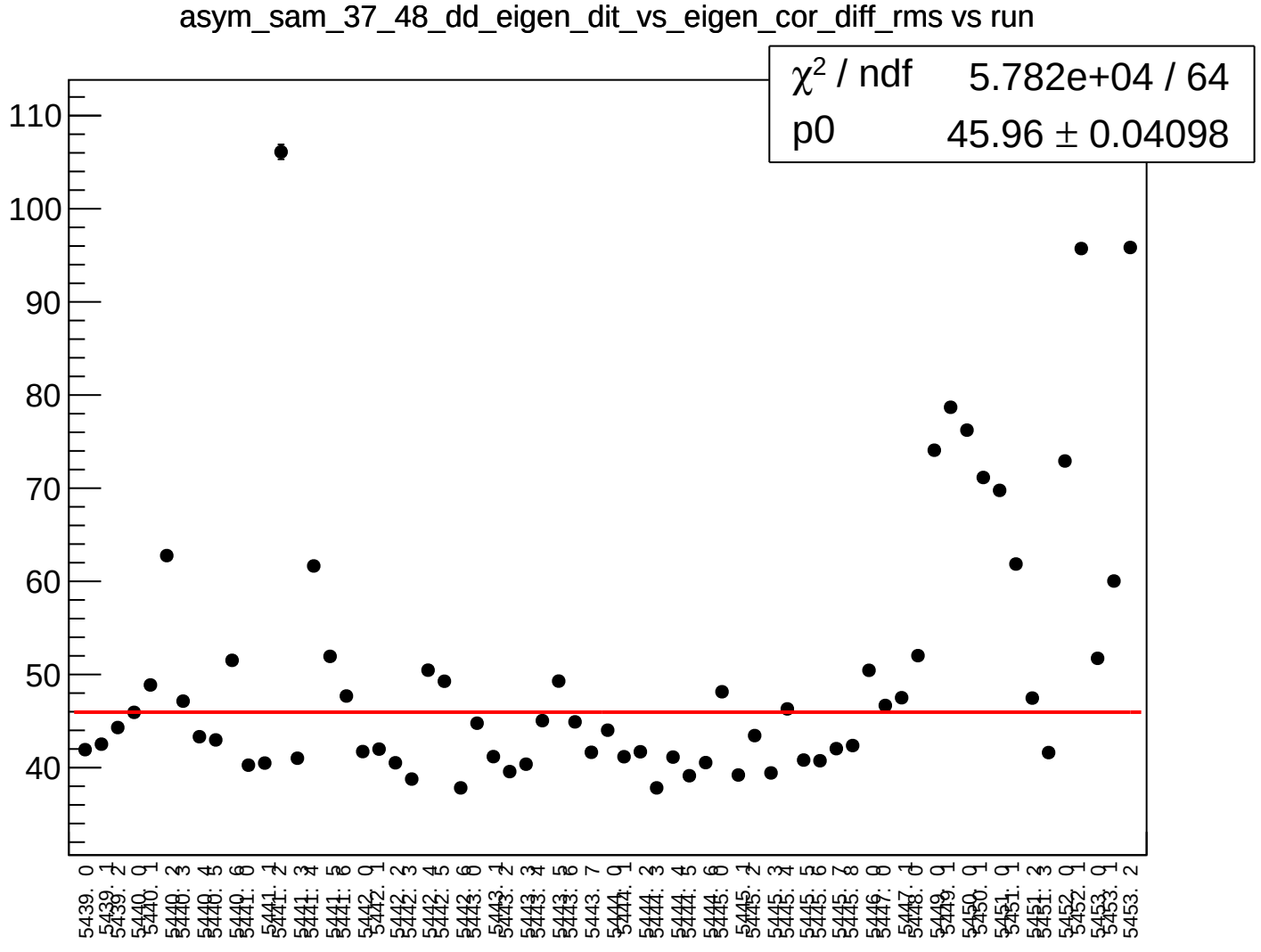


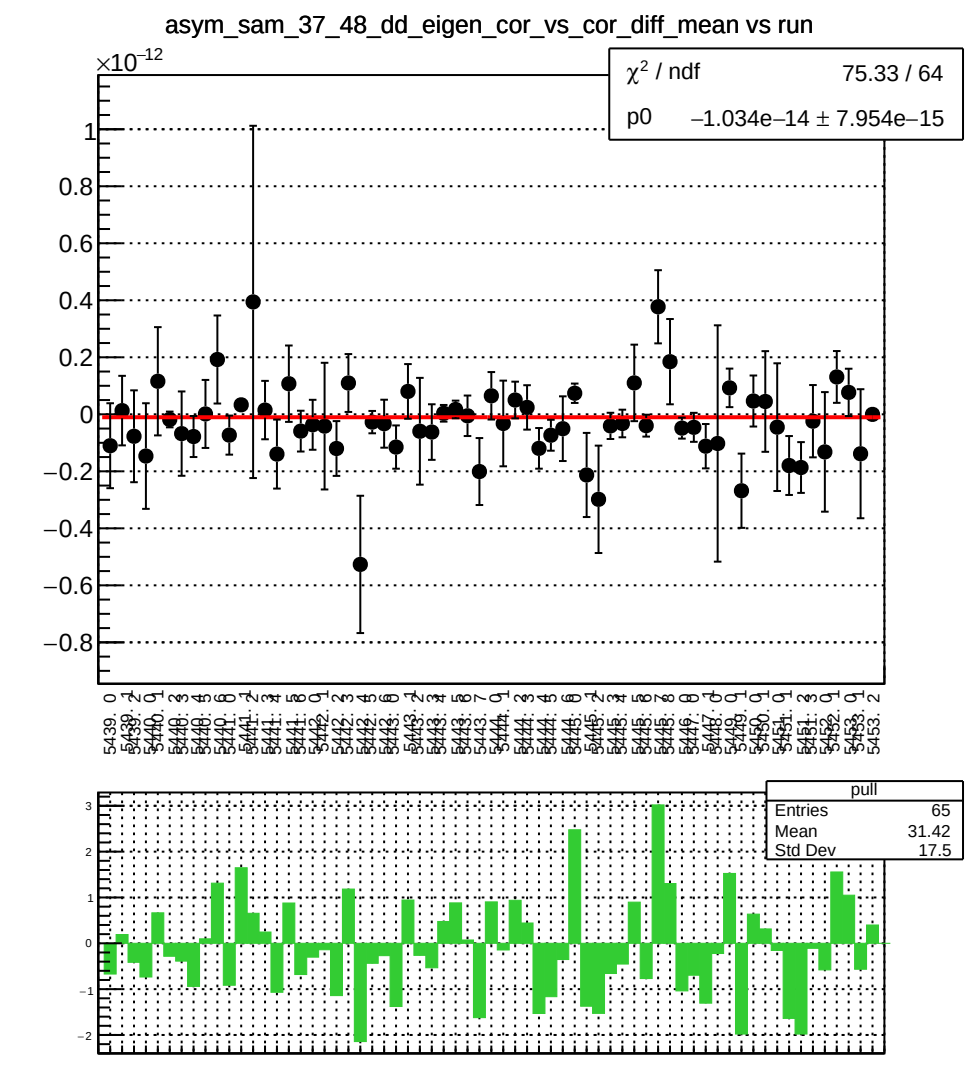

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.782e+04 / 64
p0 45.96 ± 0.04098
110
100
90
80
70
60
50
40

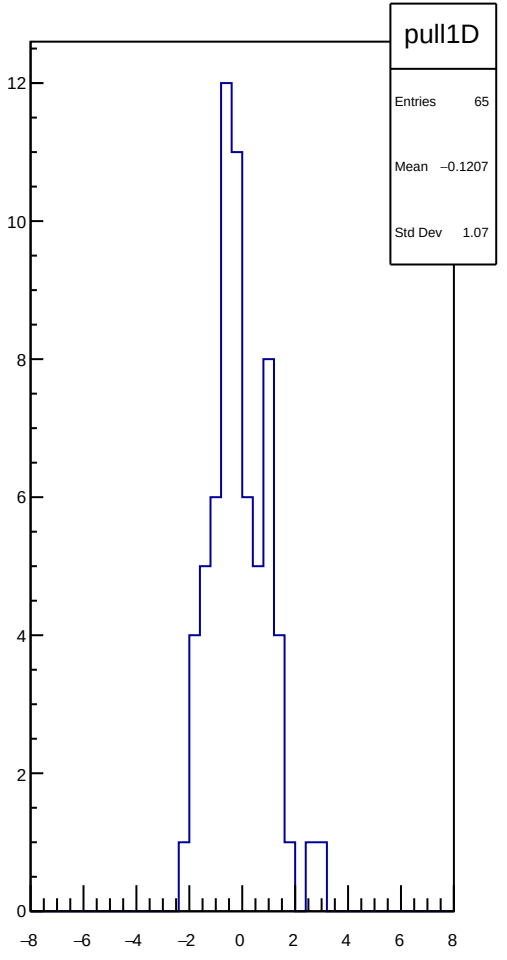
asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

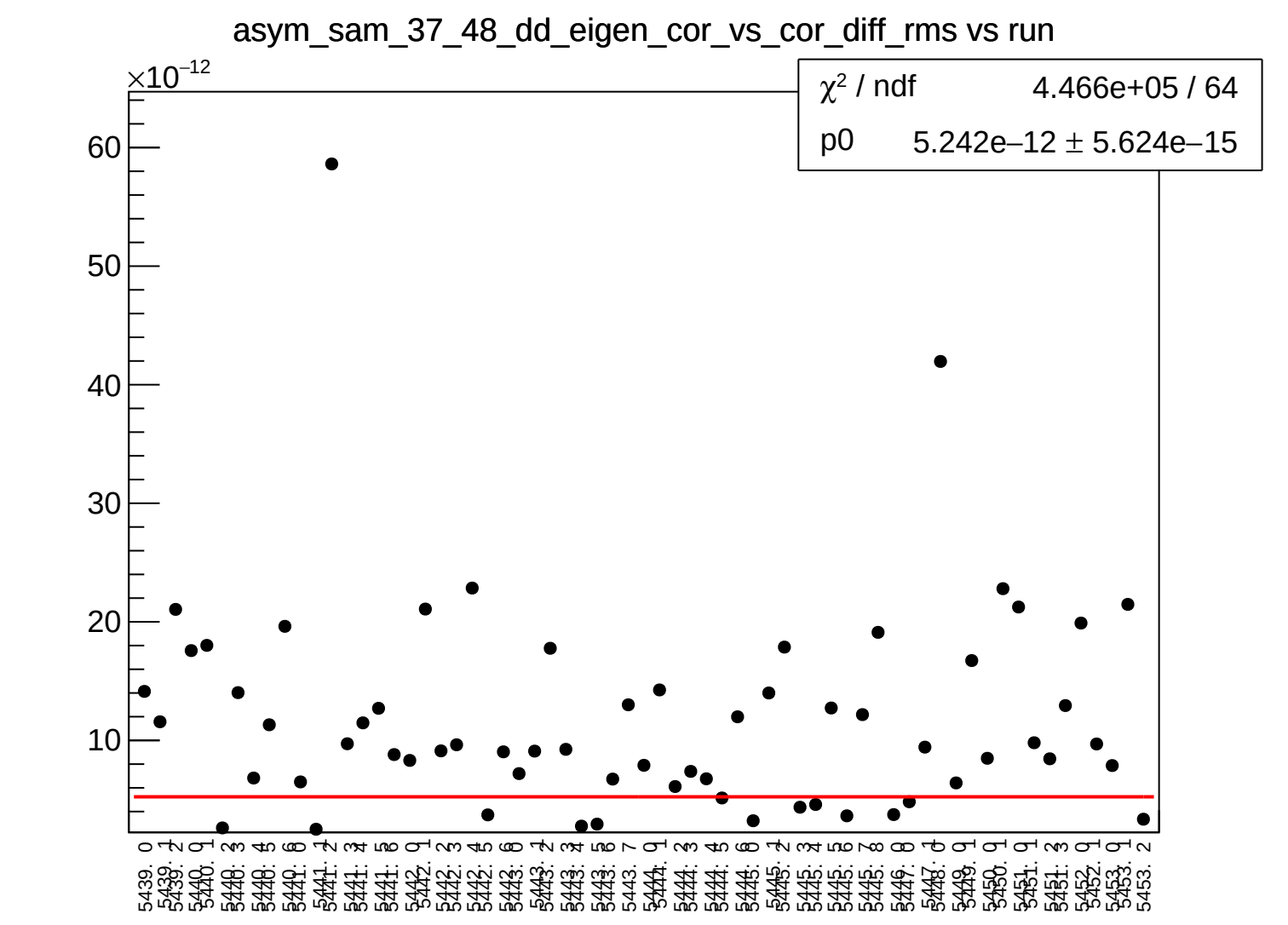


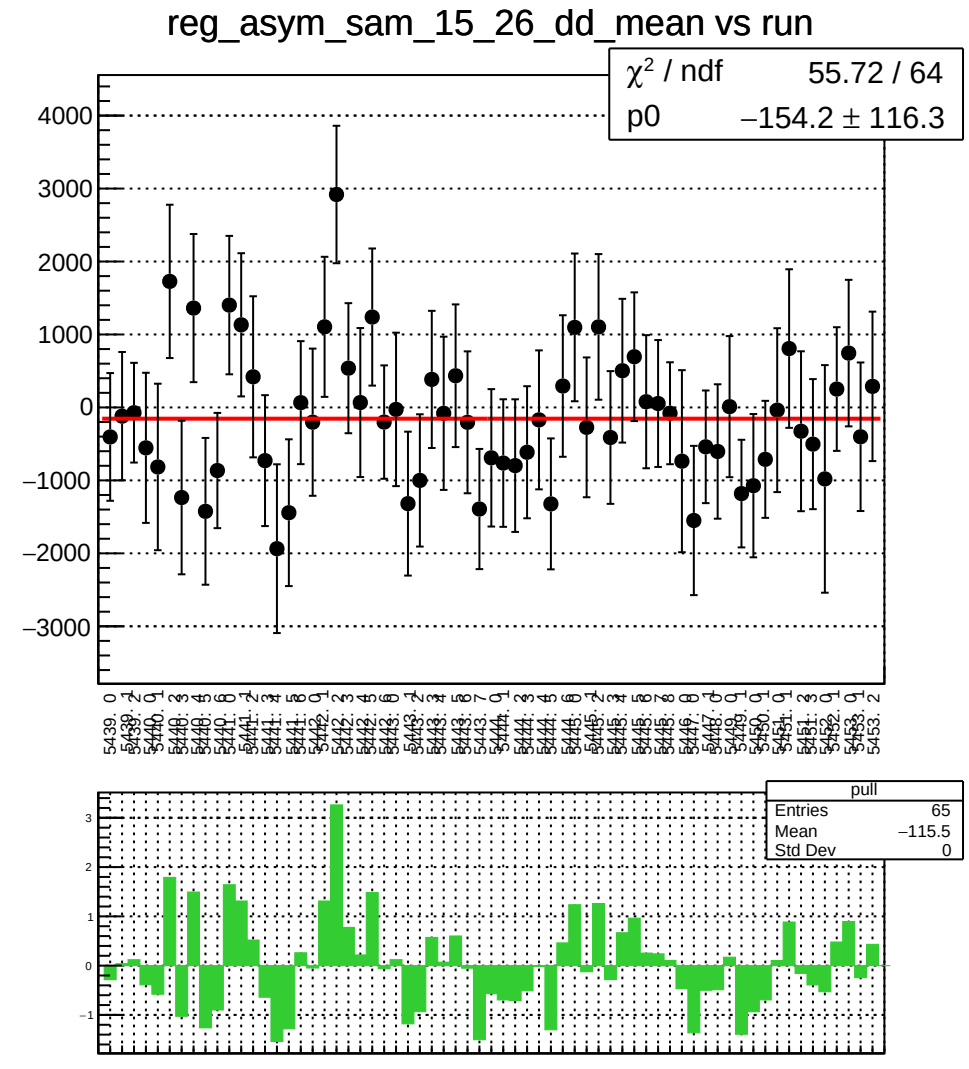


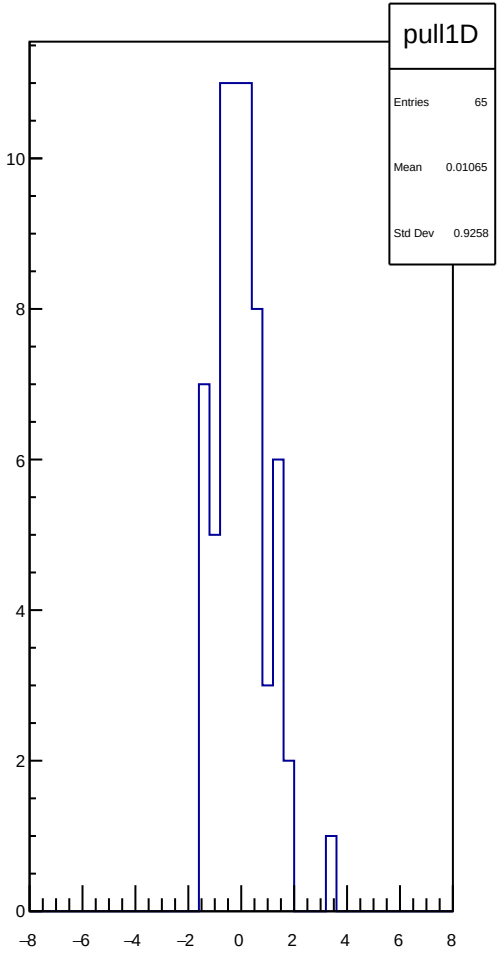

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.782e+04 / 64
p0 45.96 ± 0.04098
110
100
90
80
70
60
50
40

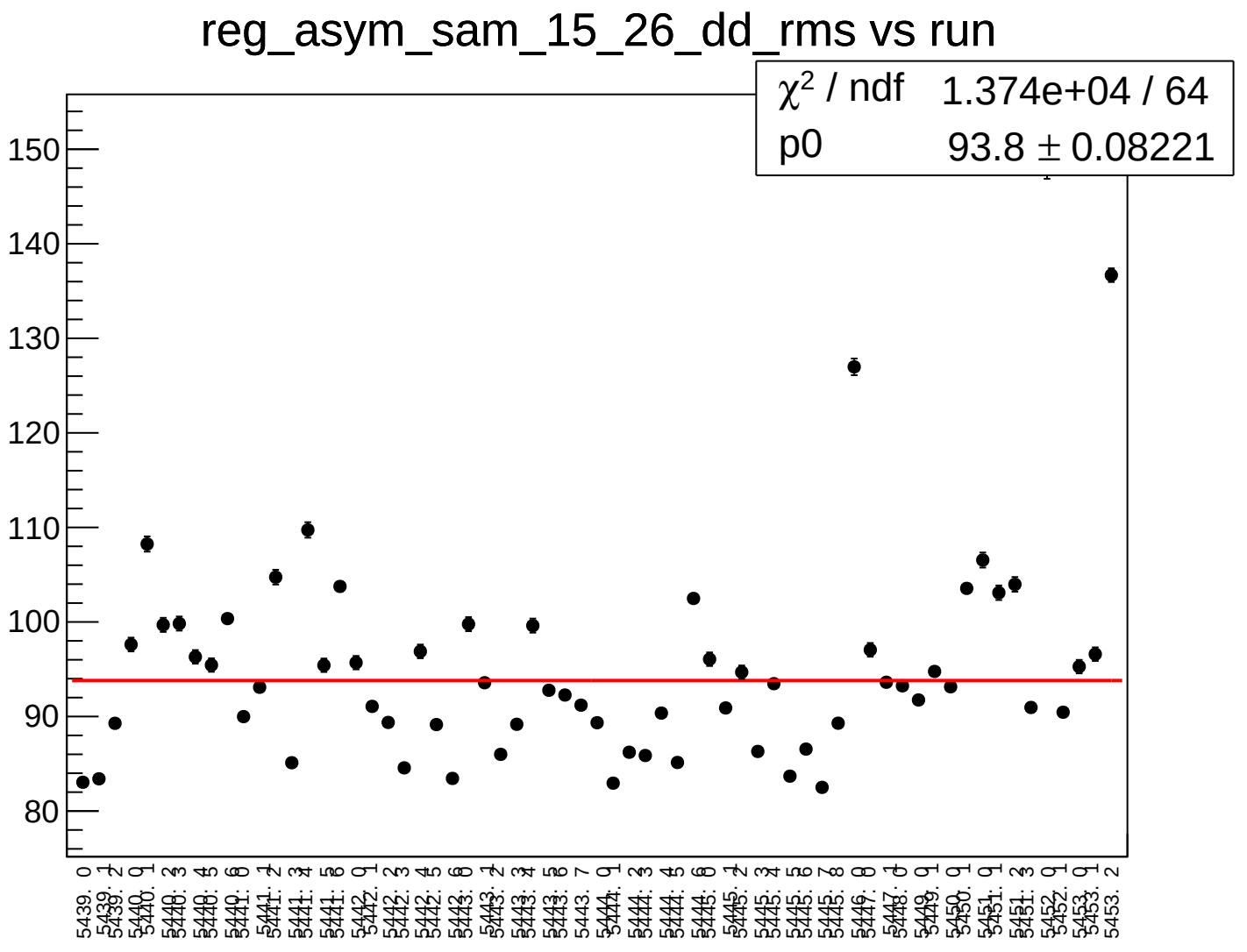

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.33 / 64
p0 −1.034e−14 ± 7.954e−15
pull
Entries 65
Mean 31.42
Std Dev 17.5

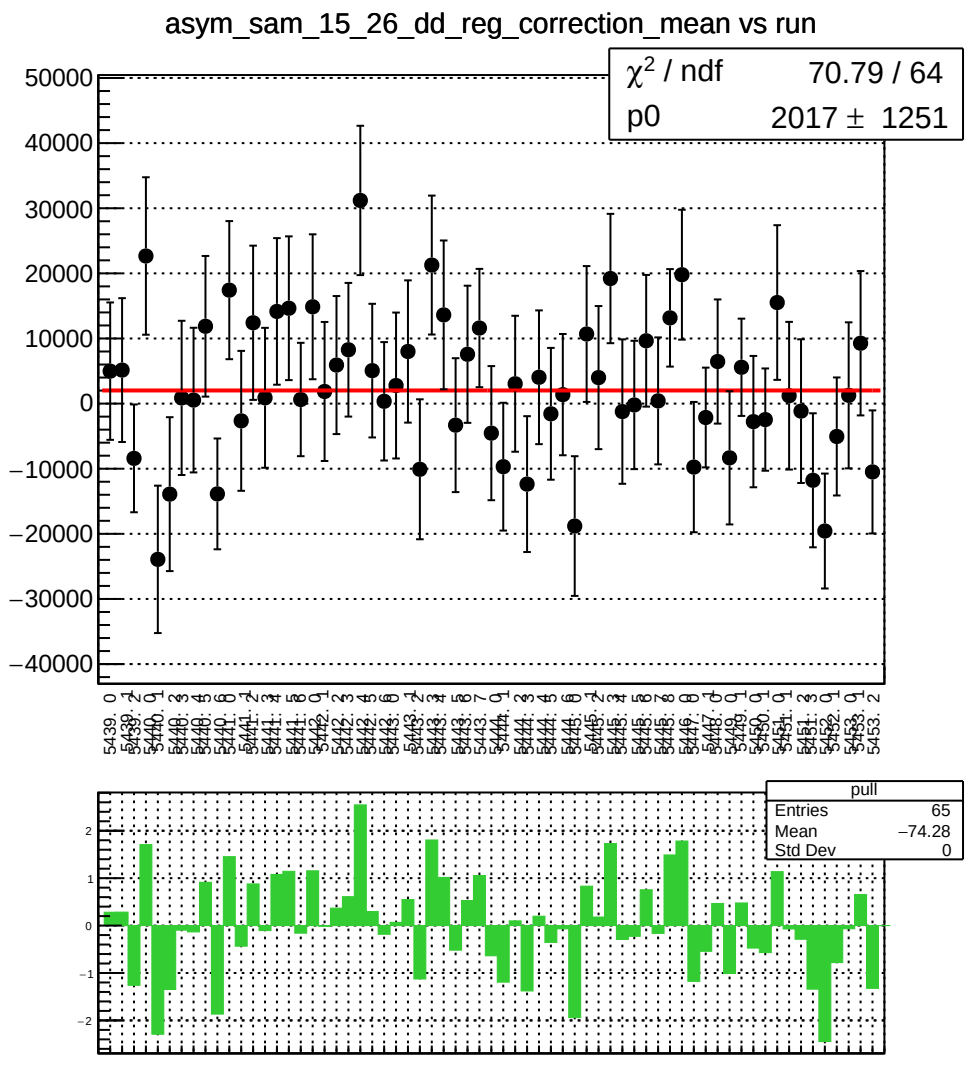

pull1D
Entries 65
Mean −0.1207
Std Dev 1.07

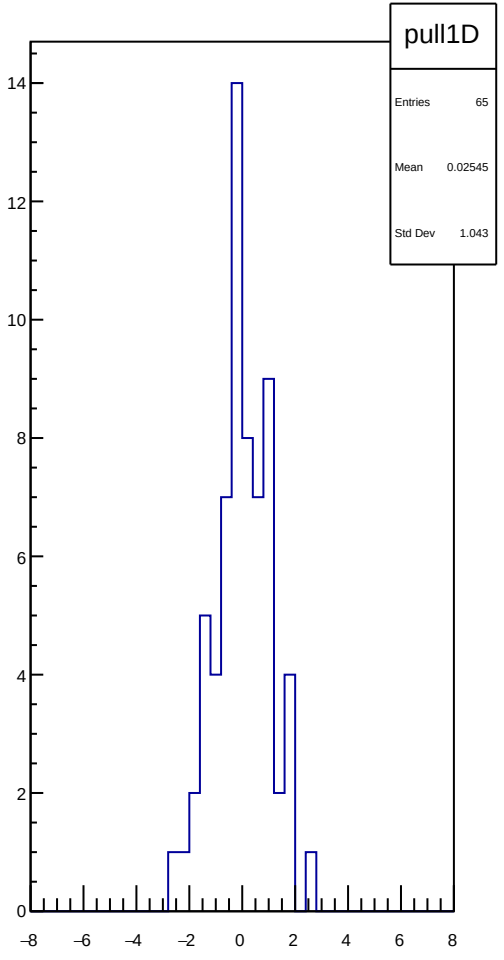

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.466e+05 / 64
p0 5.242e−12 ± 5.624e−15
60
50
40
30
20
10

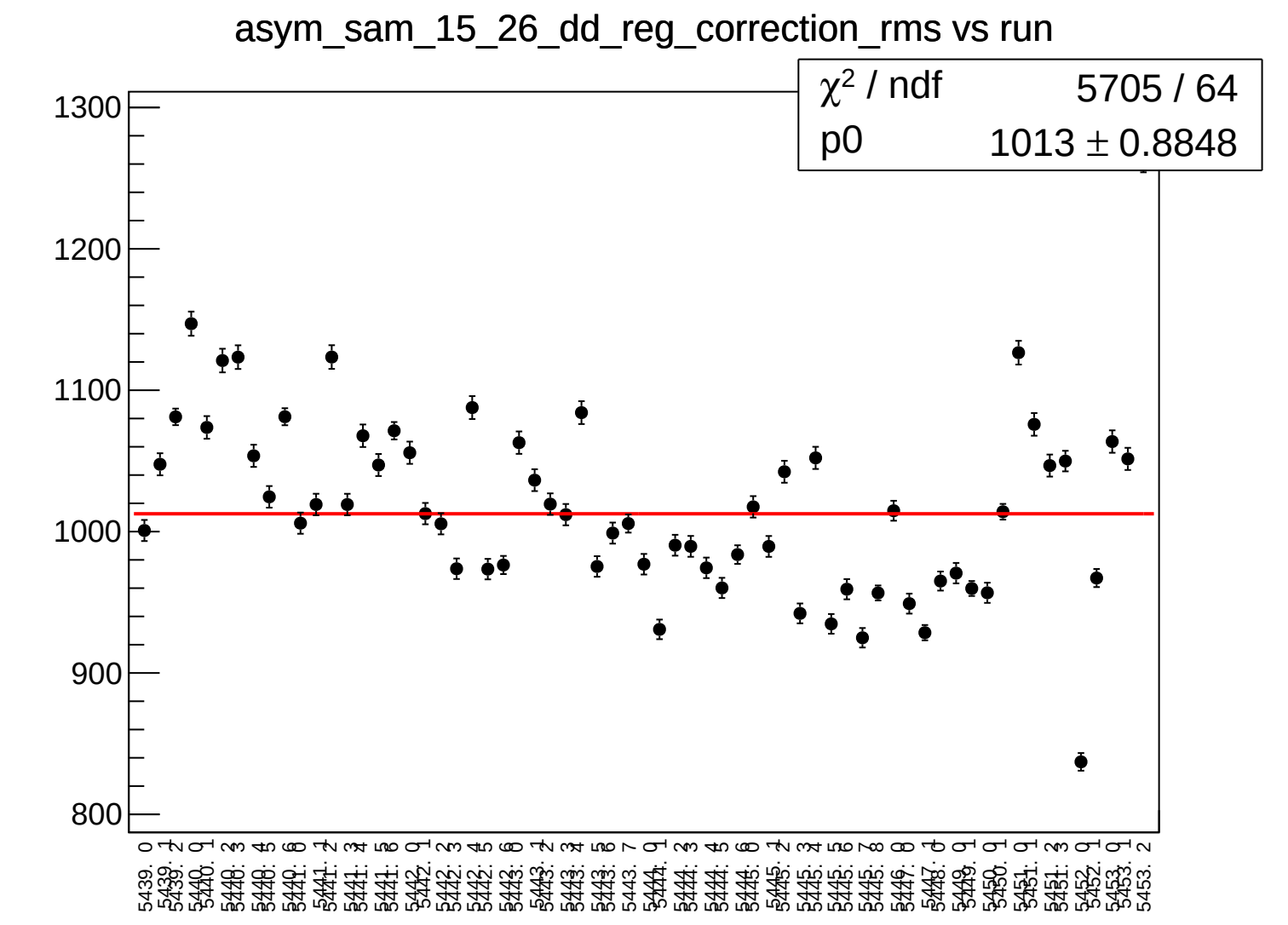

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 55.72 / 64
p0 −154.2 ± 116.3
pull
Entries 65
Mean −115.5
Std Dev 0

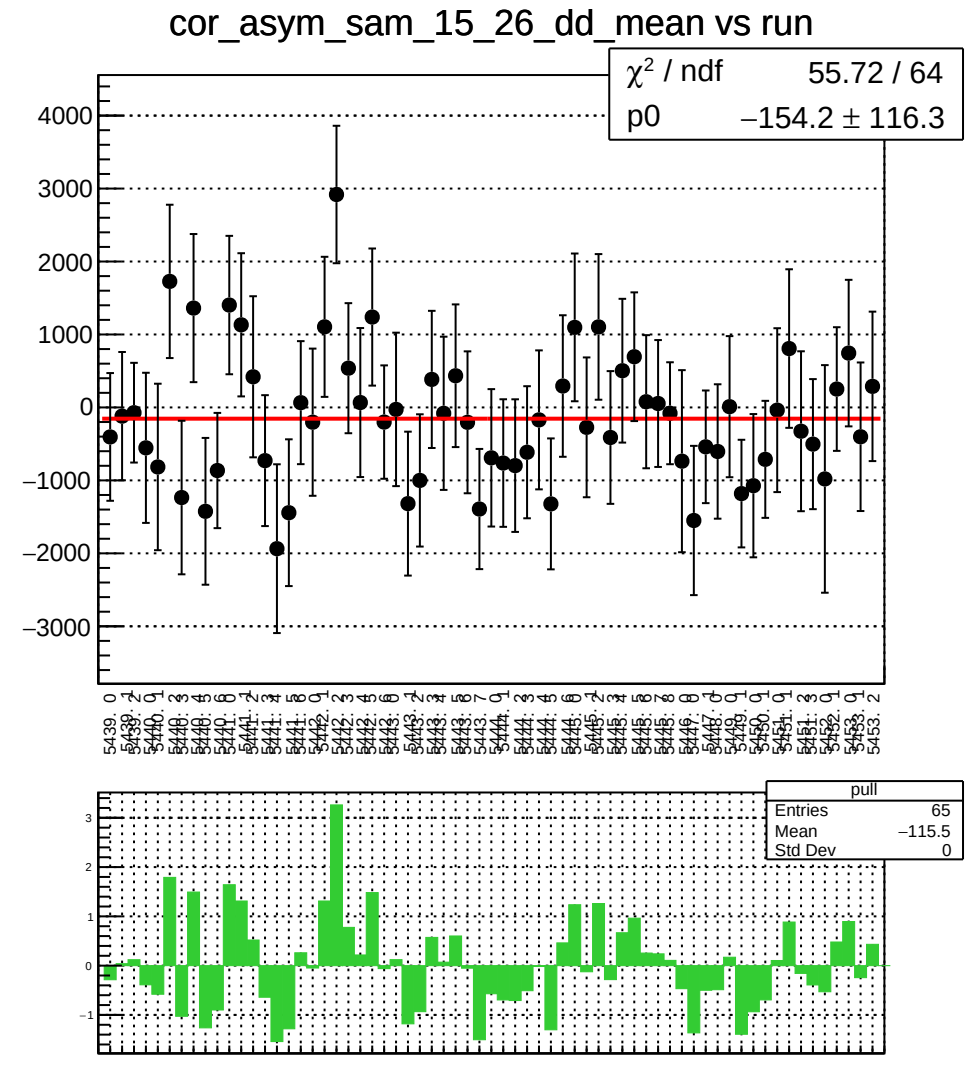

pull1D
Entries 65
Mean 0.01065
Std Dev 0.9258

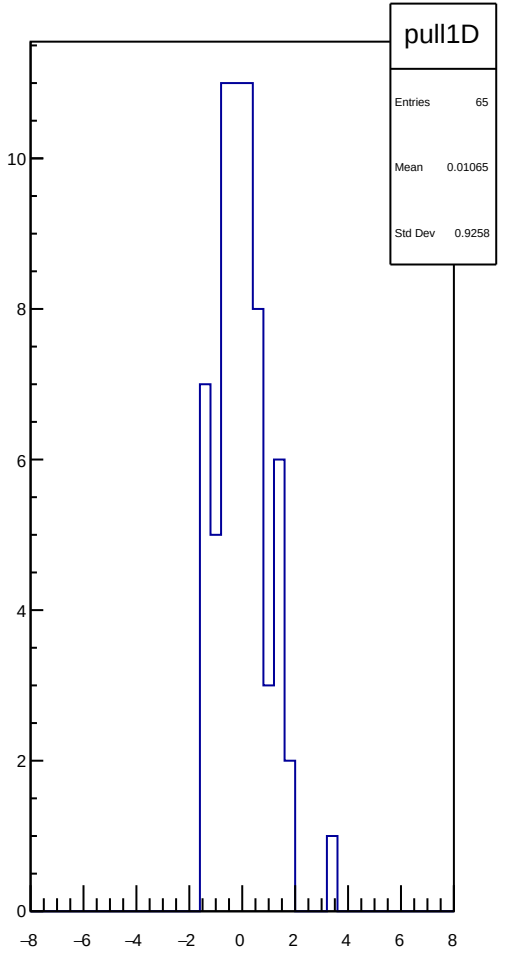

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.374e+04 / 64
p0 93.8 ± 0.08221
150
140
130
120
110
100
90
80

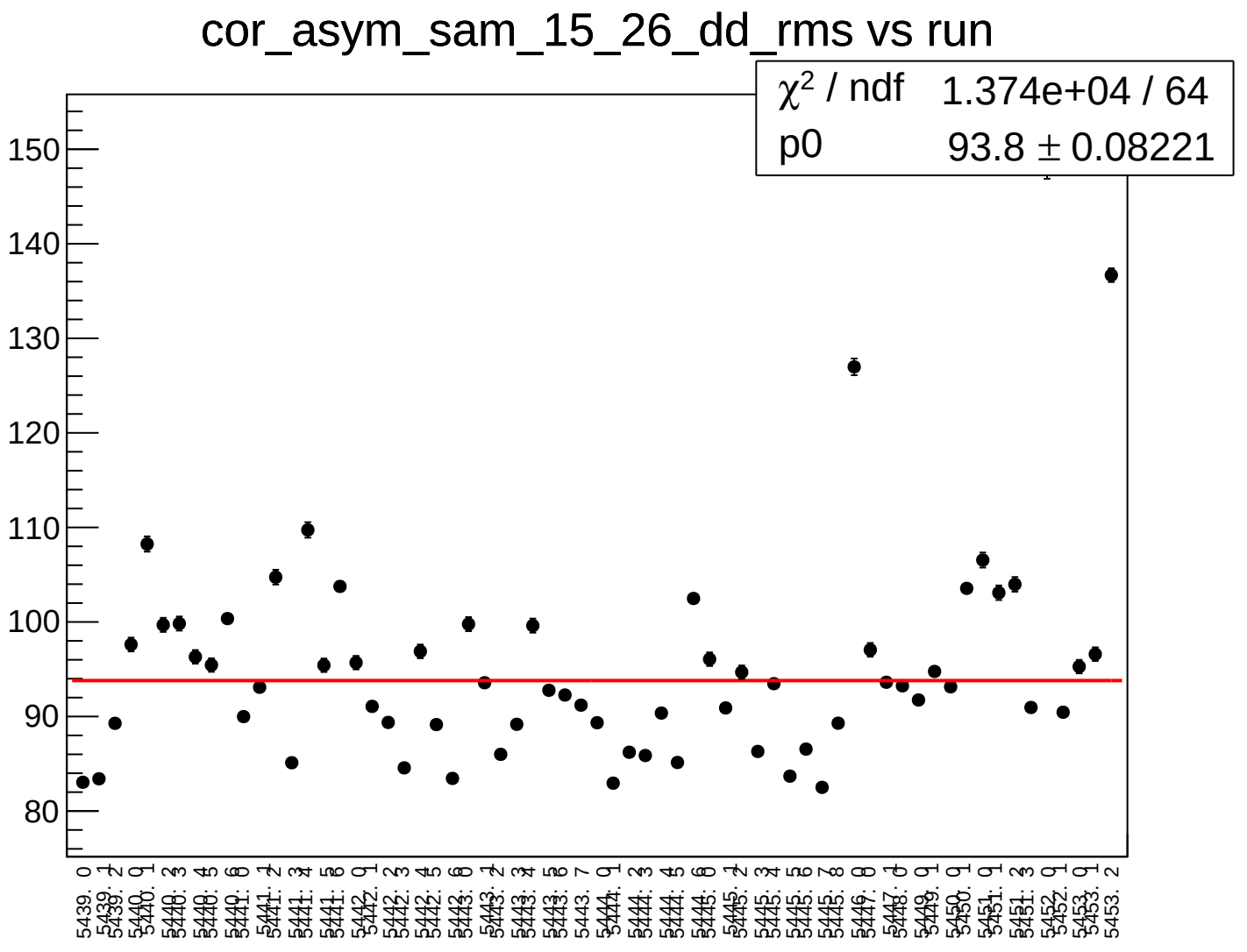

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 70.79 / 64
p0 2017 ± 1251
pull
Entries 65
Mean −74.28
Std Dev 0

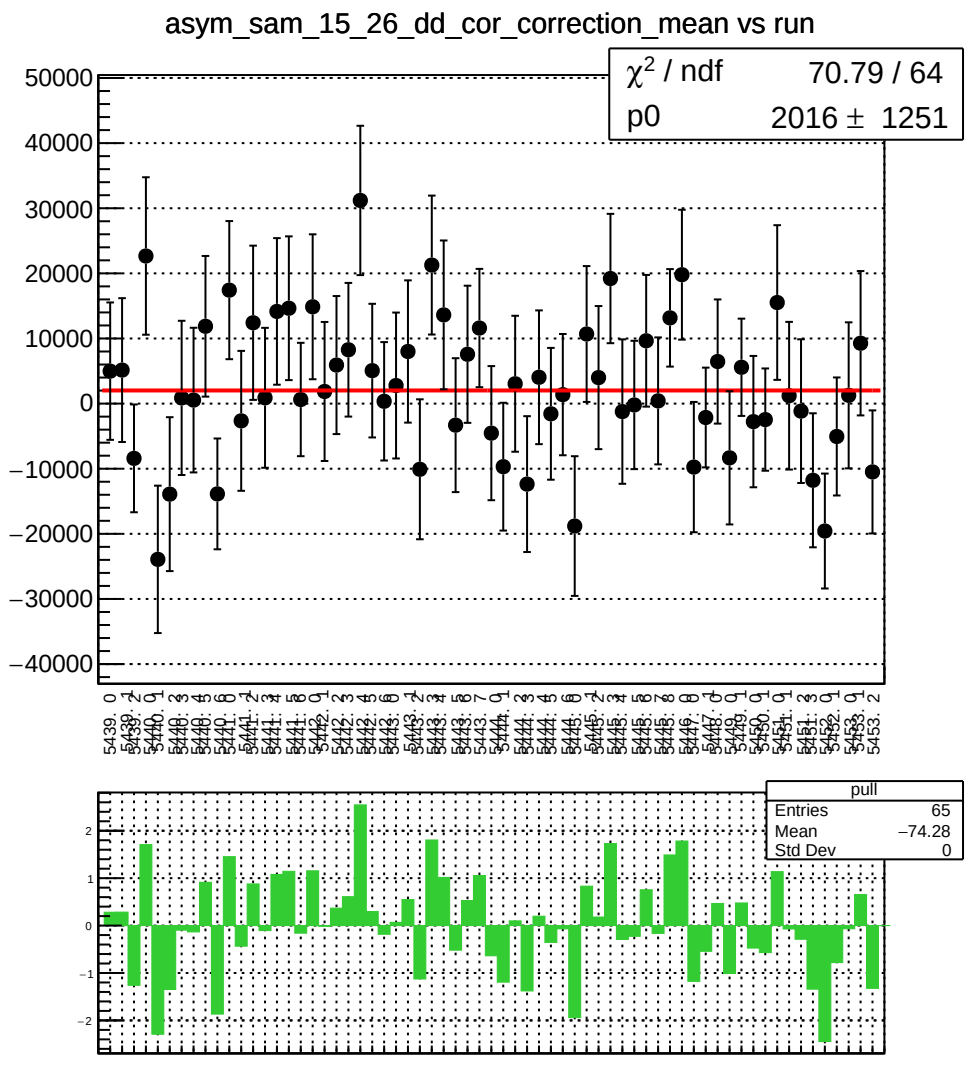

pull1D
Entries 65
Mean 0.02545
Std Dev 1.043

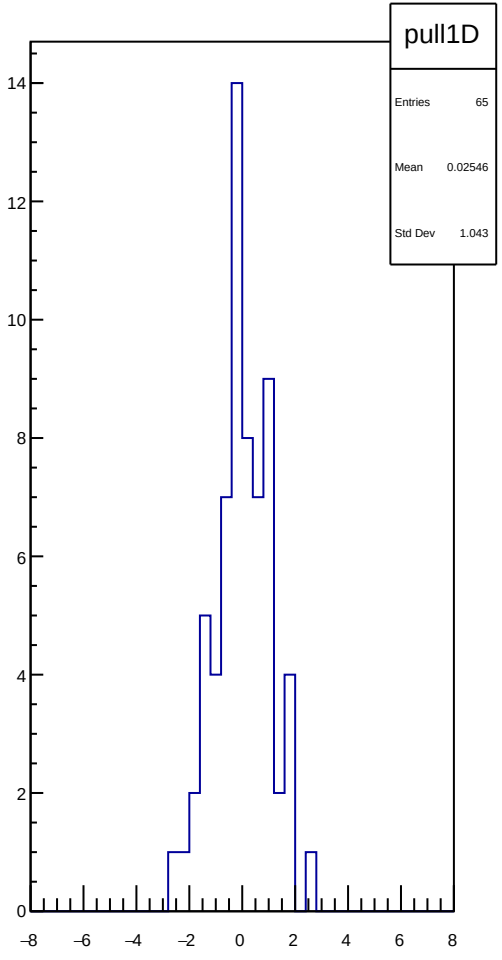

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 5705 / 64
p0 1013 ± 0.8848
1300
1200
1100
1000
900
800

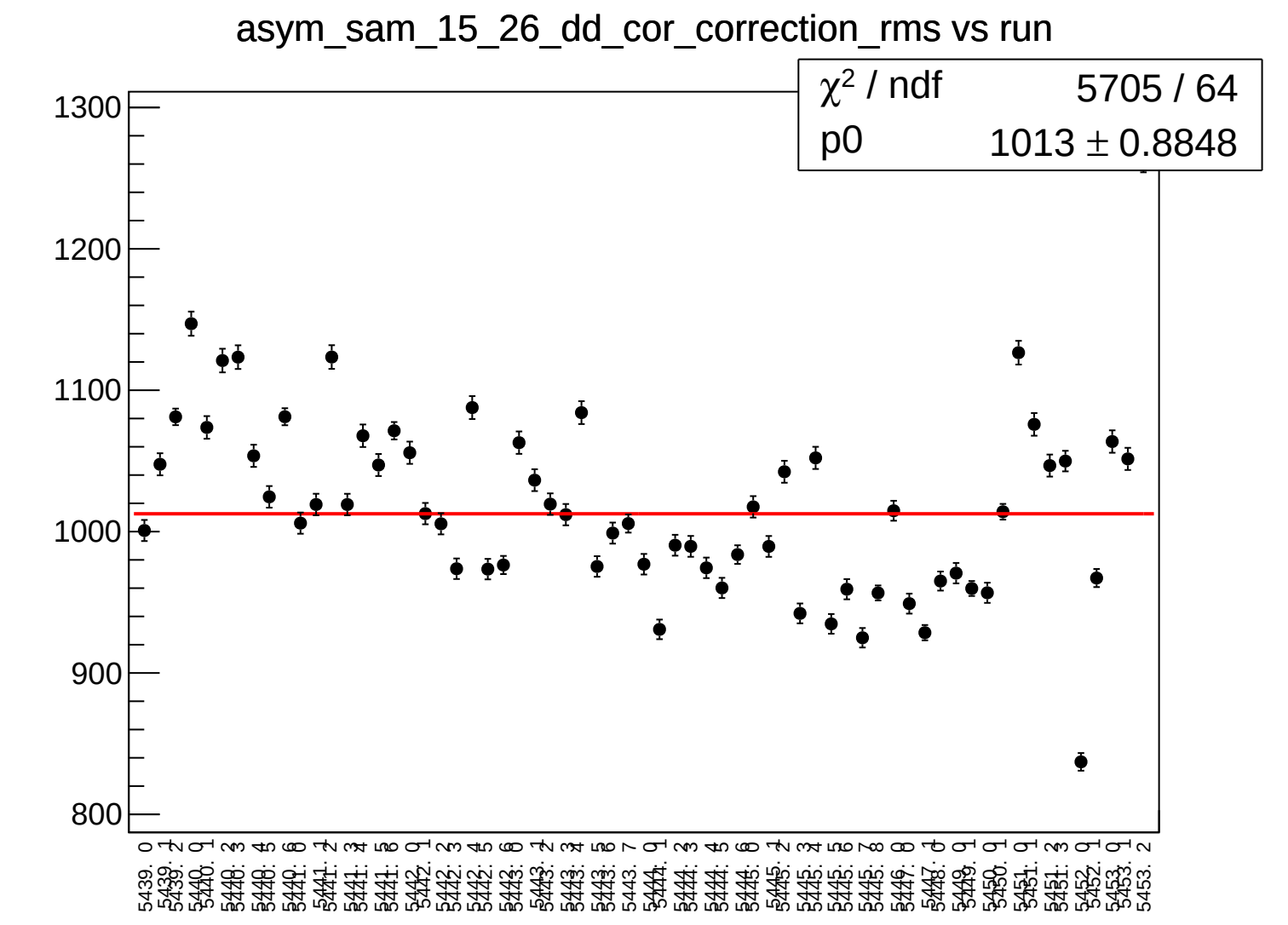

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 55.72 / 64
p0 −154.2 ± 116.3
pull
Entries 65
Mean −115.5
Std Dev 0

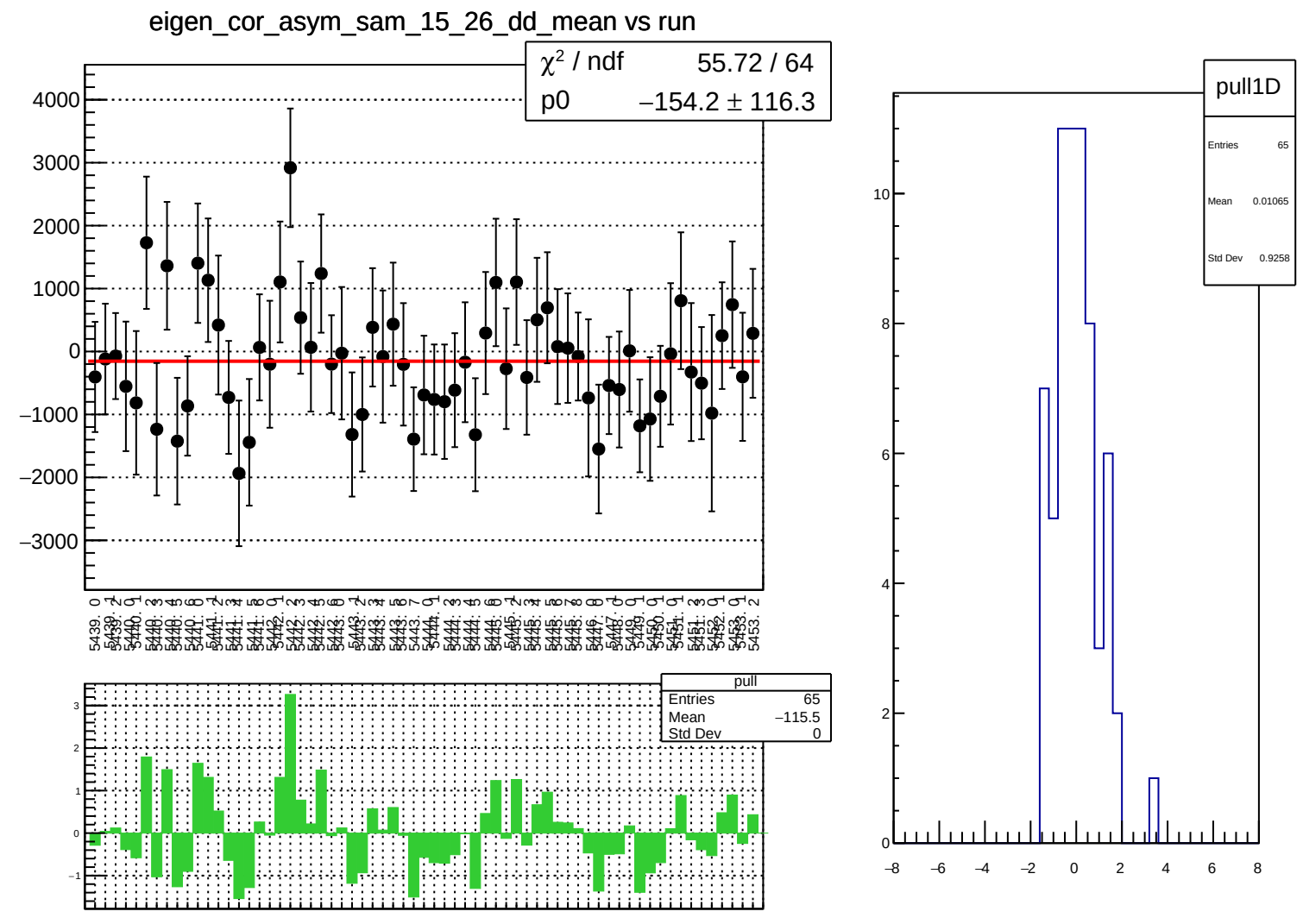

pull1D
Entries 65
Mean 0.01065
Std Dev 0.9258

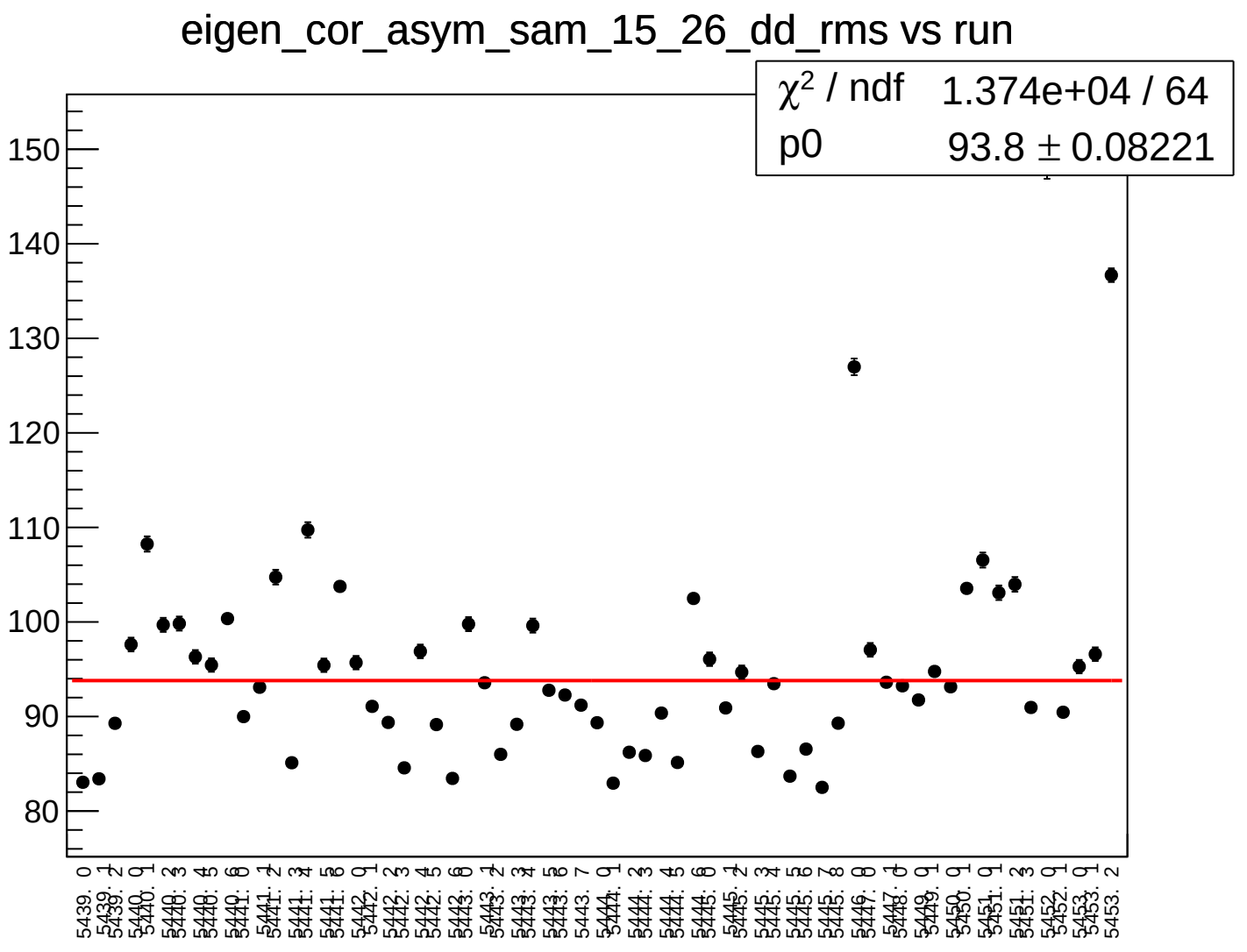

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.374e+04 / 64
p0 93.8 ± 0.08221
150
140
130
120
110
100
90
80

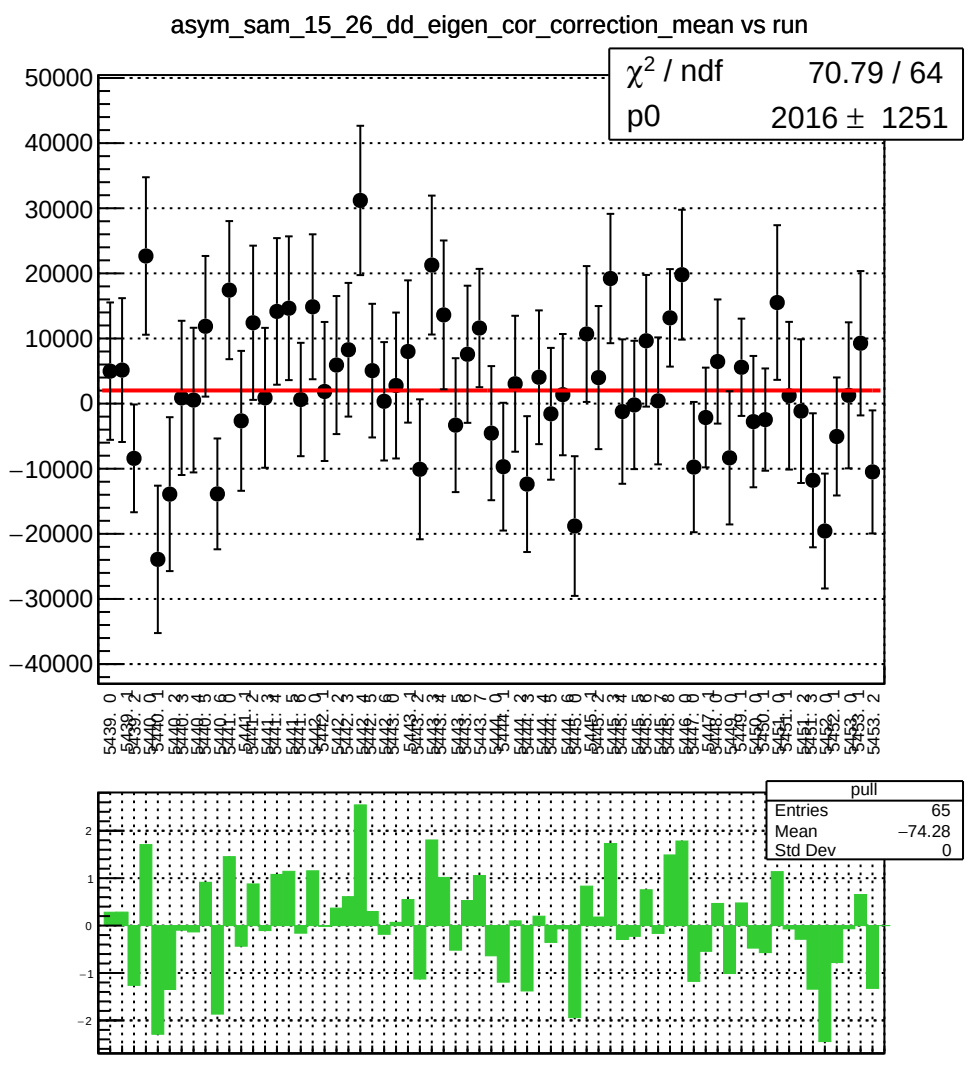

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 70.79 / 64
p0 2016 ± 1251
pull
Entries 65
Mean −74.28
Std Dev 0

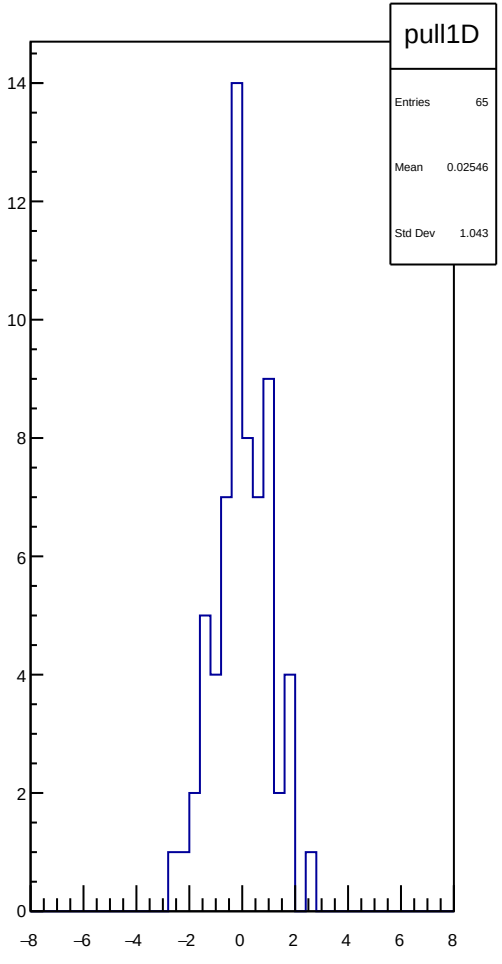

pull1D
Entries 65
Mean 0.02546
Std Dev 1.043

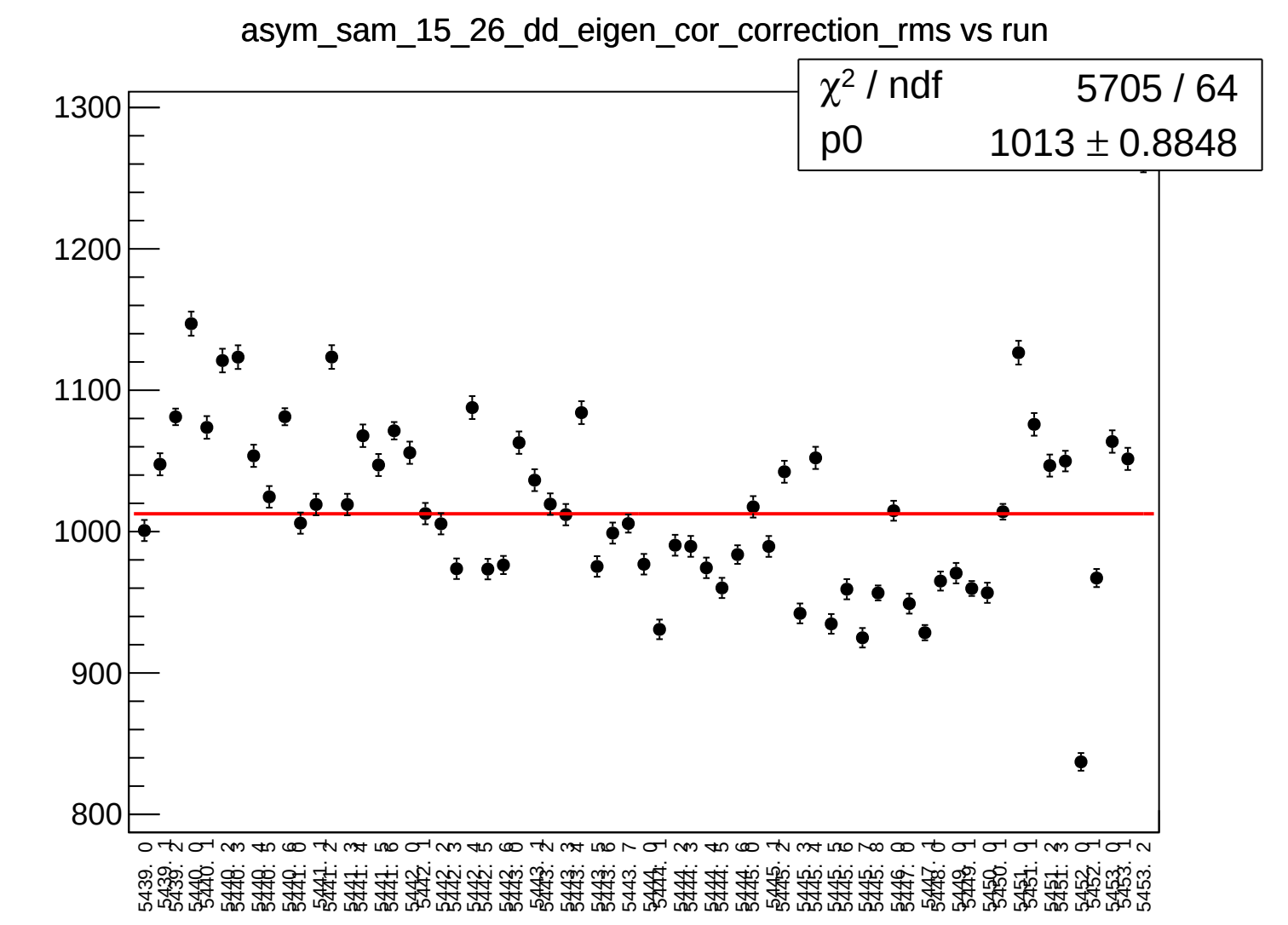

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 5705 / 64
p0 1013 ± 0.8848
1300
1200
1100
1000
900
800

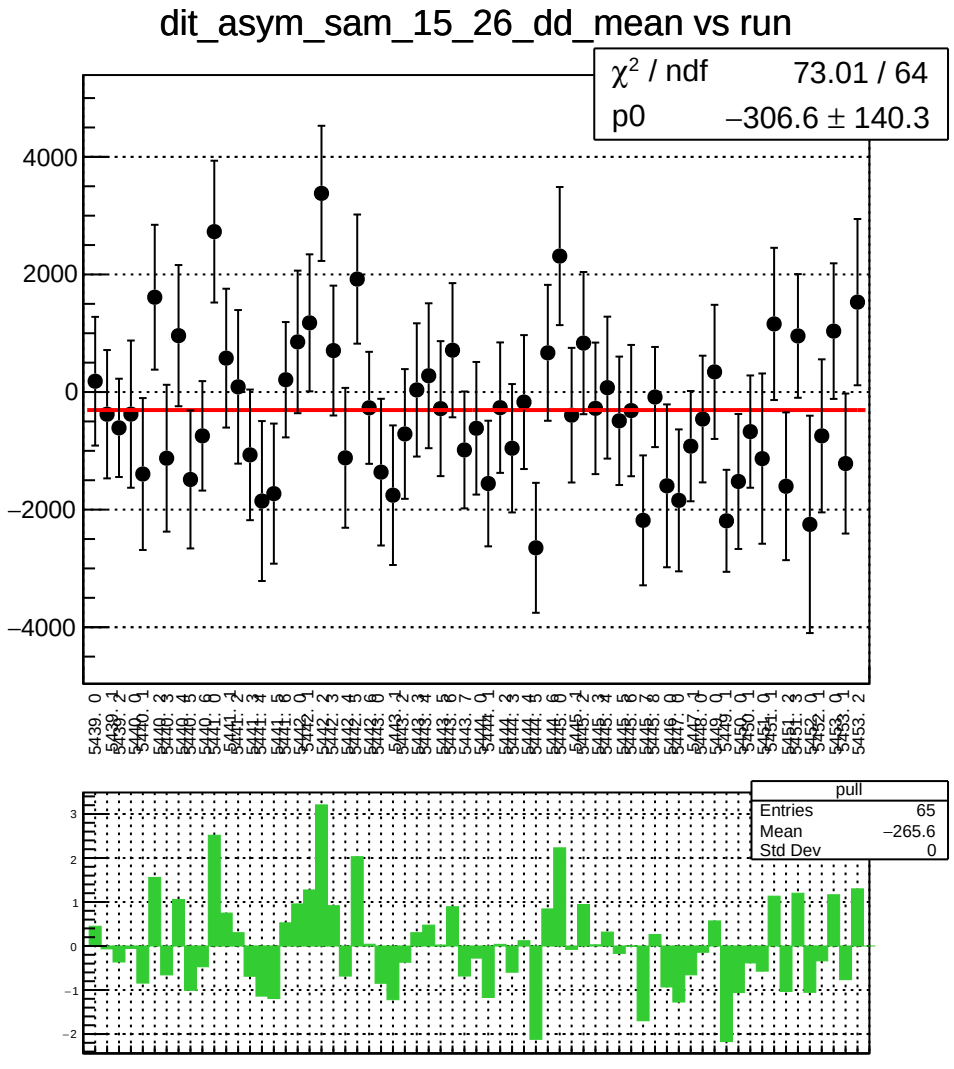

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 55.72 / 64
p0 −154.2 ± 116.3
pull
Entries 65
Mean −115.5
Std Dev 0
pull1D
Entries 65
Mean 0.01065
Std Dev 0.9258

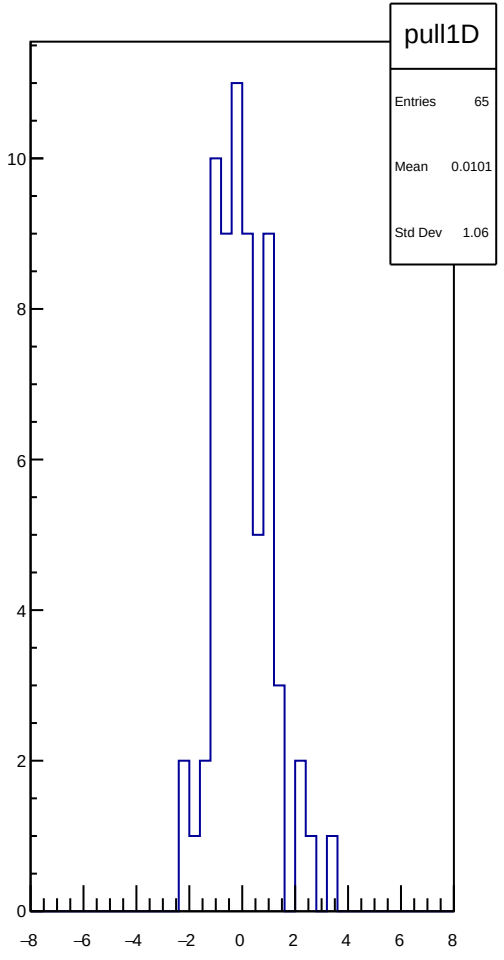

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.374e+04 / 64
p0 93.8 ± 0.08221
150
140
130
120
110
100
90
80

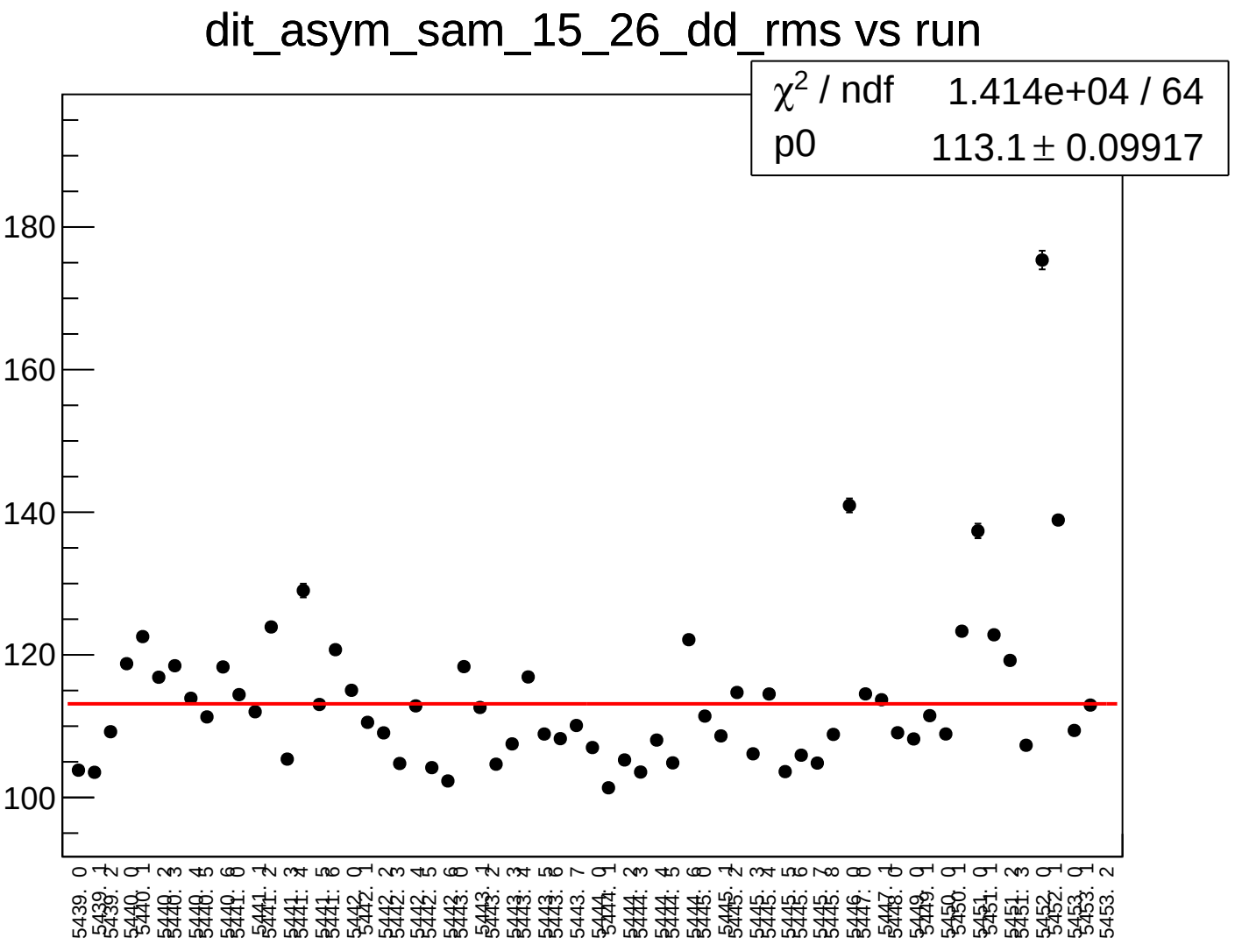

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 70.79 / 64
p0 2016 ± 1251
pull
Entries 65
Mean −74.28
Std Dev 0

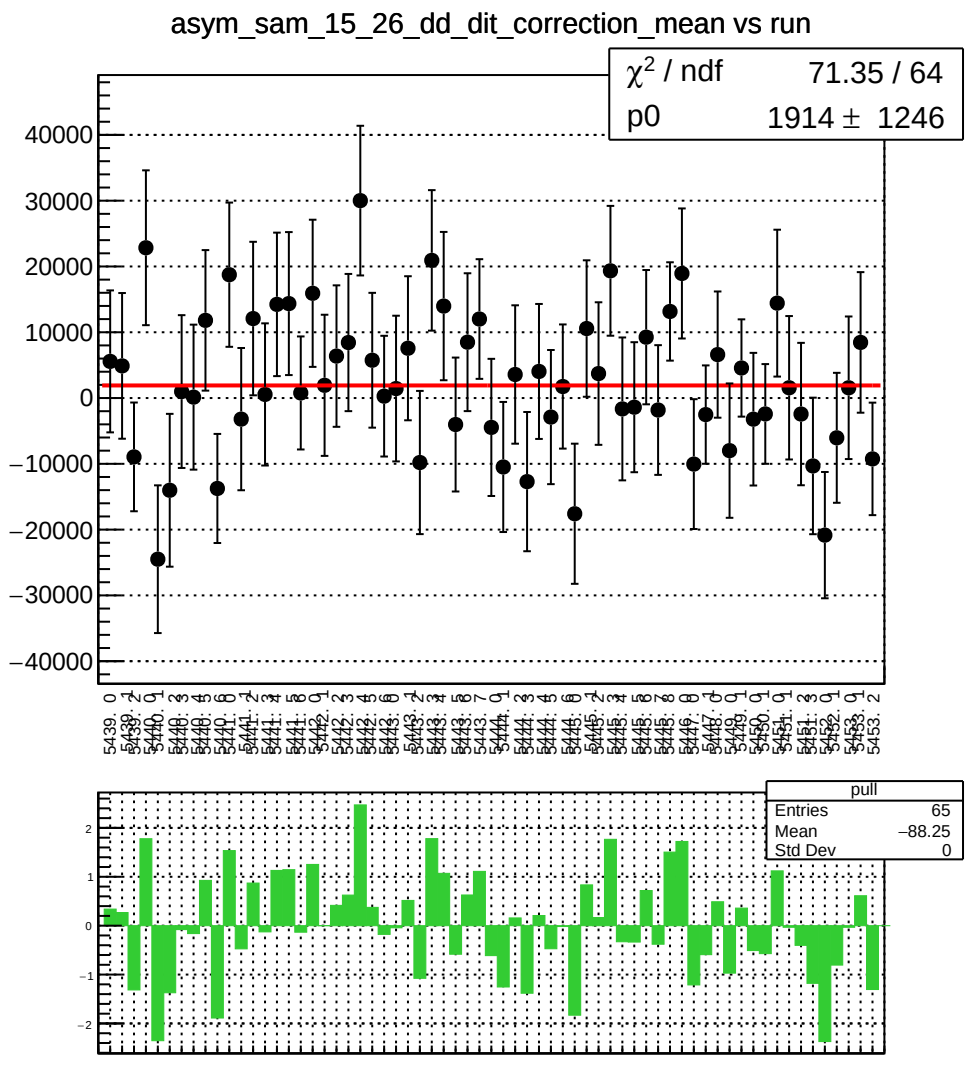

pull1D
Entries 65
Mean 0.02546
Std Dev 1.043

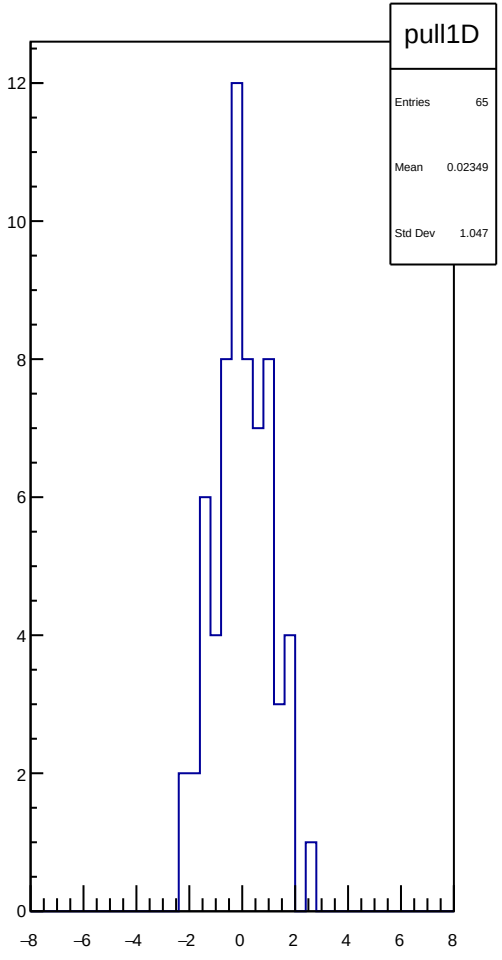

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 5705 / 64
p0 1013 ± 0.8848
1300
1200
1100
1000
900
800

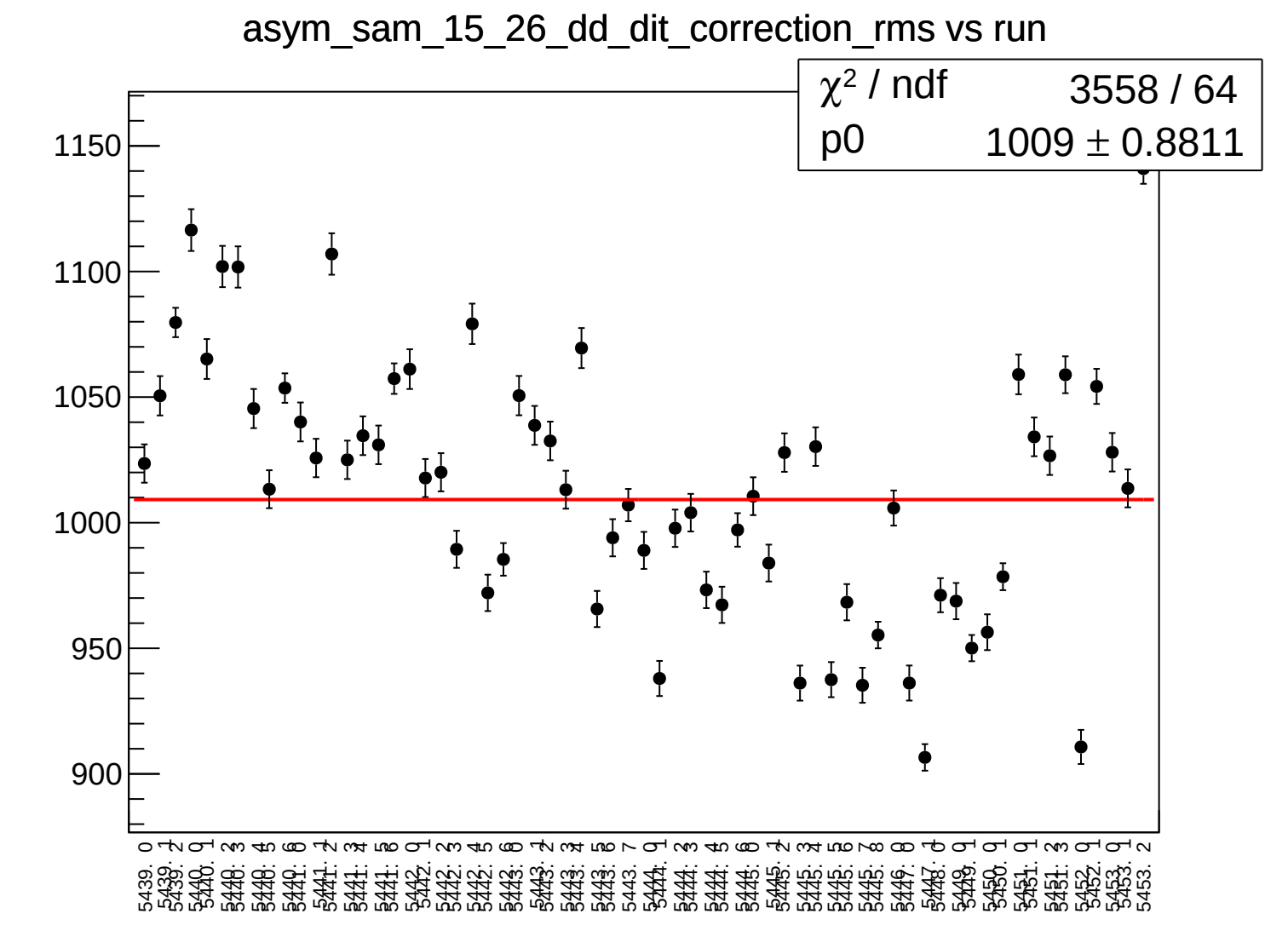

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 73.01 / 64
p0 −306.6 ± 140.3
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −265.6
Std Dev 0
3
2
1
0
−1
−2

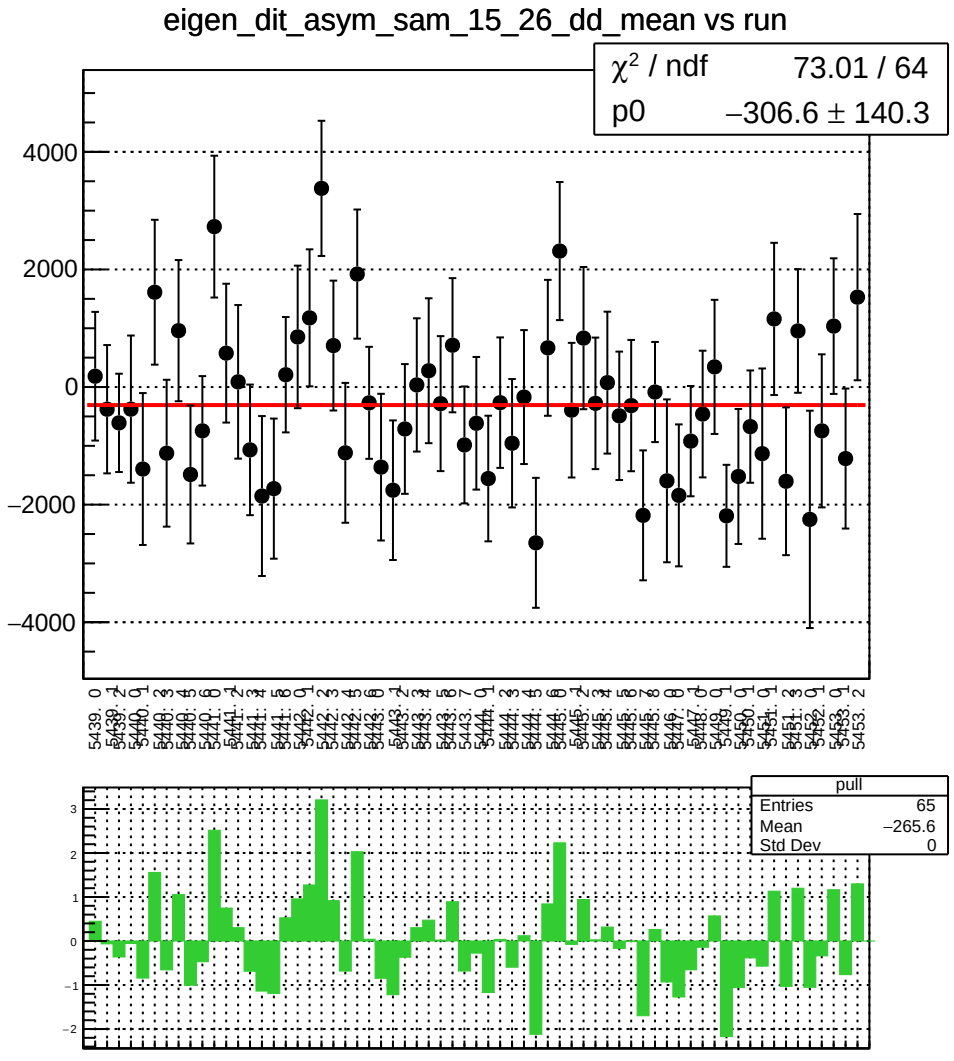

pull1D
Entries 65
Mean 0.0101
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

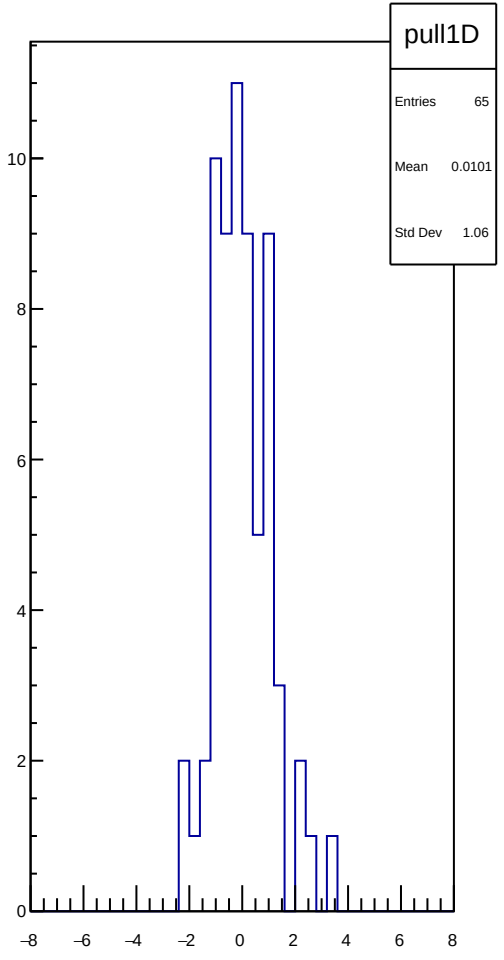

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.414e+04 / 64
p0 113.1 ± 0.09917
180
160
140
120
100

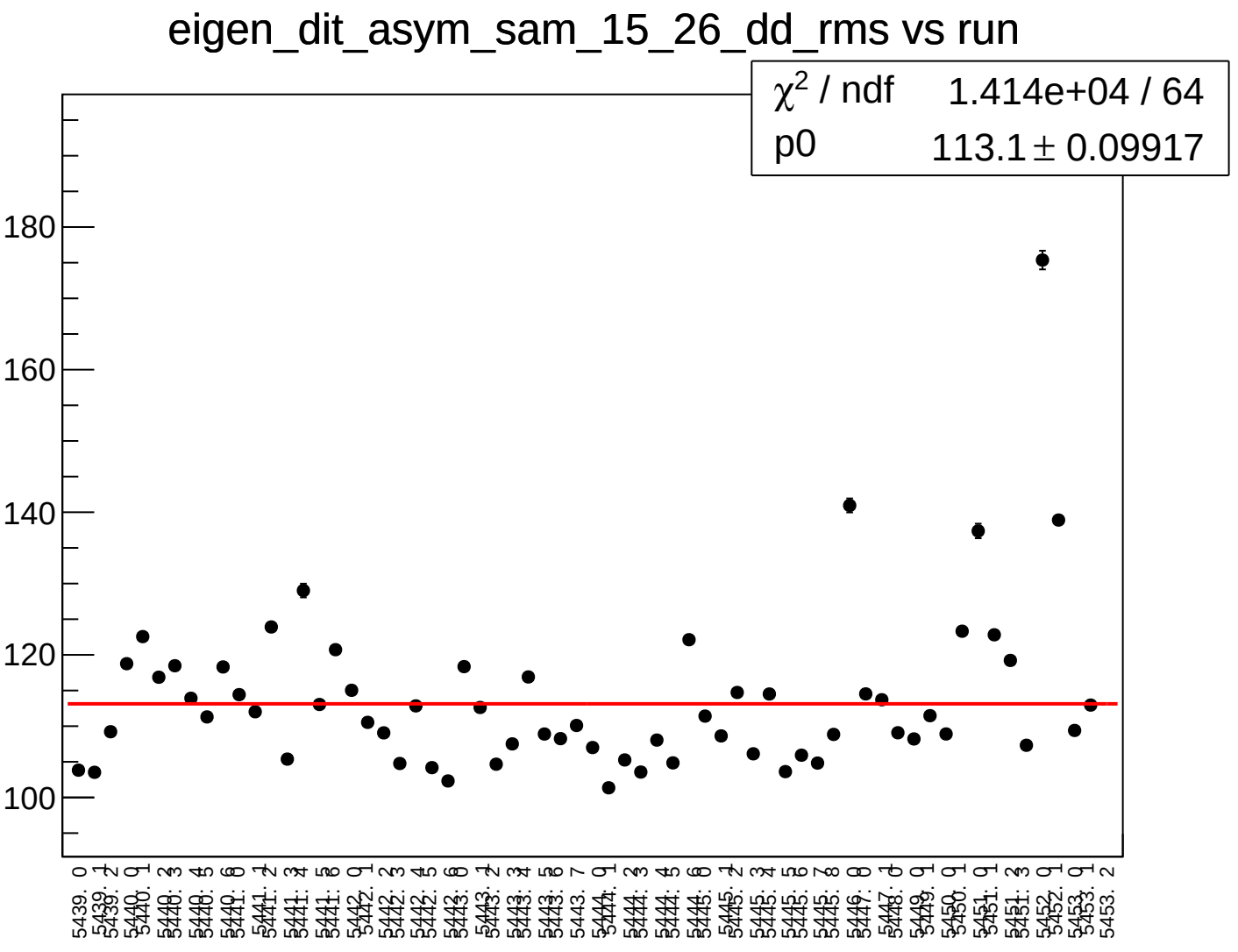

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 71.35 / 64
p0 1914 ± 1246
pull
Entries 65
Mean −88.25
Std Dev 0

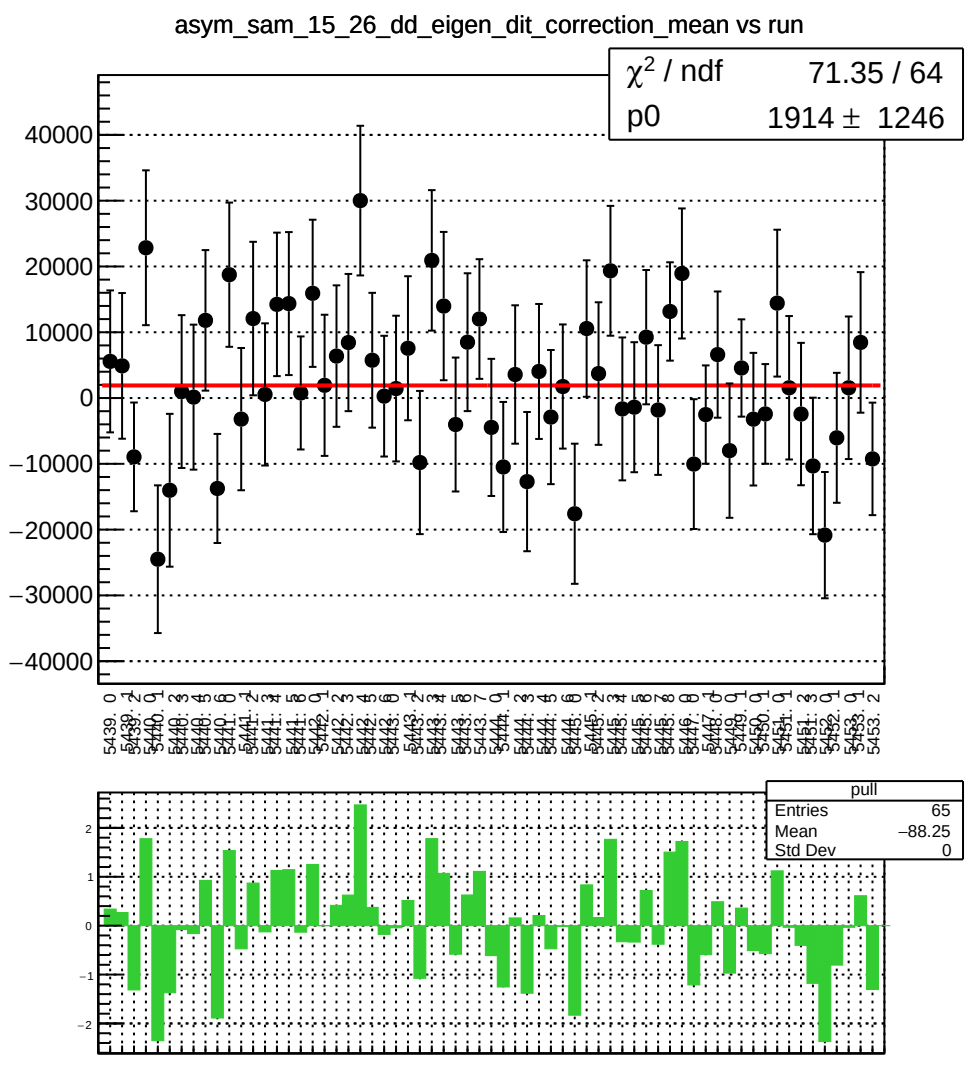

pull1D
Entries 65
Mean 0.02349
Std Dev 1.047

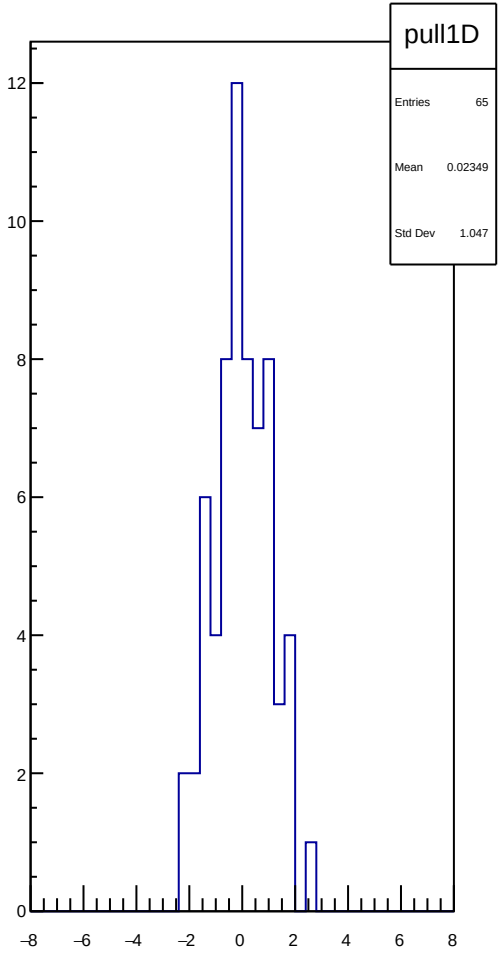

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 3558 / 64
p0 1009 ± 0.8811
1150
1100
1050
1000
950
900

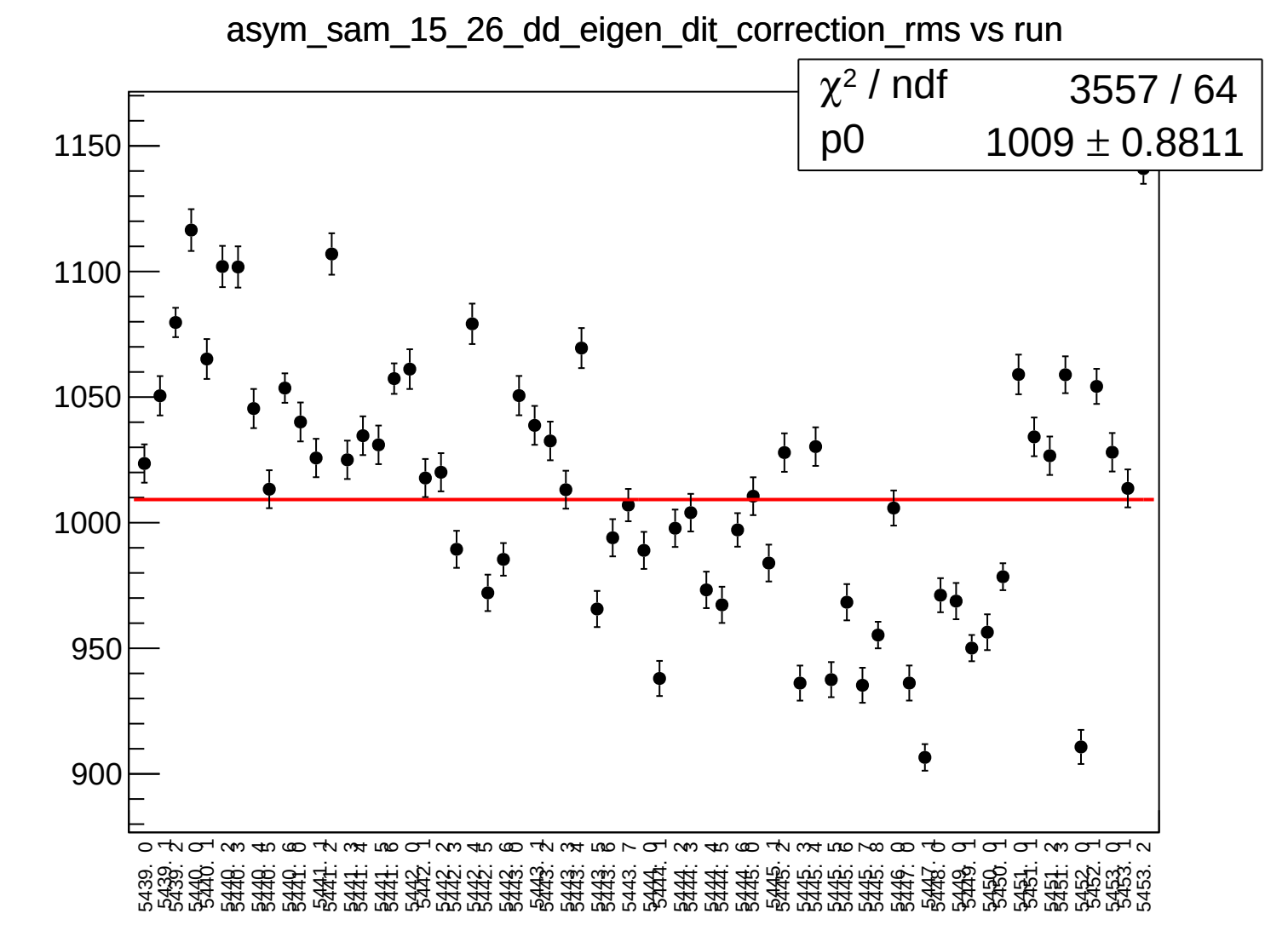

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 73.01 / 64
p0 −306.6 ± 140.3
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −265.6
Std Dev 0
3
2
1
0
−1
−2

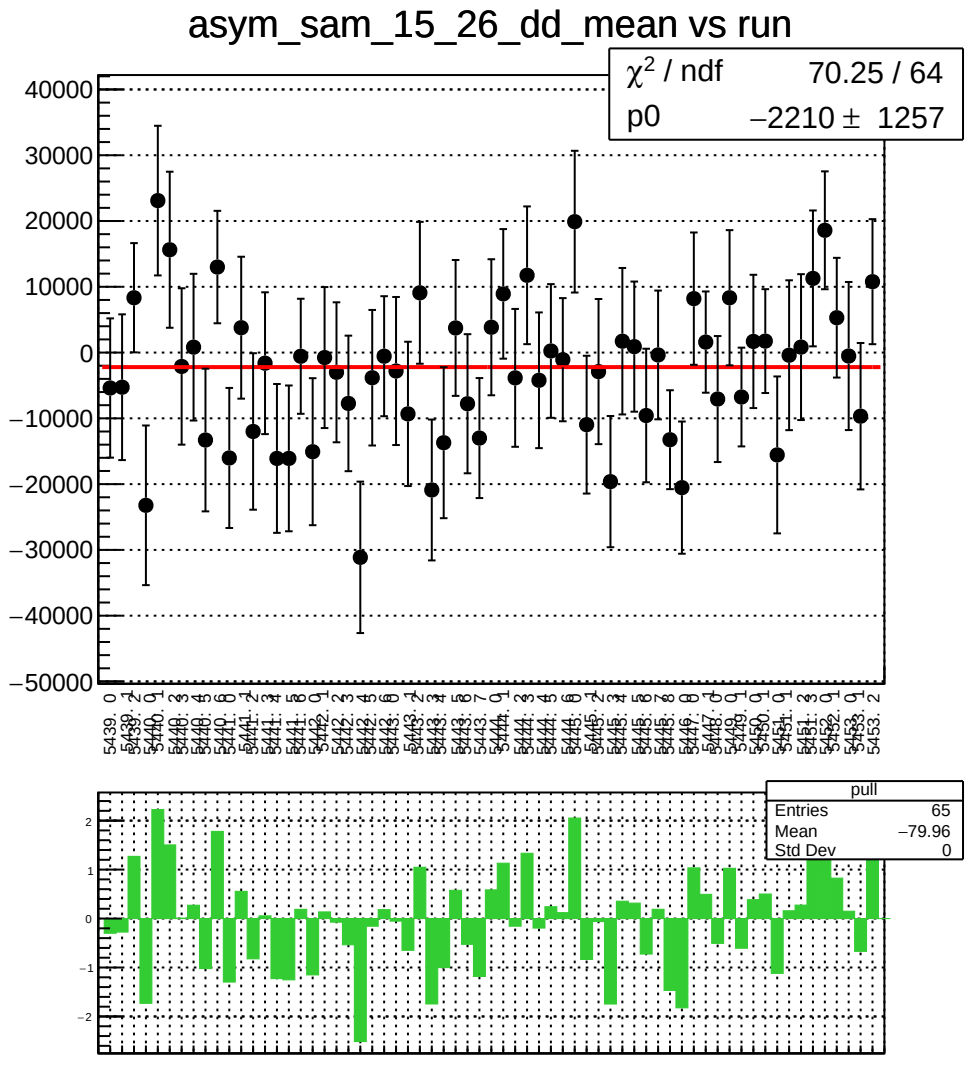

pull1D
Entries 65
Mean 0.0101
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

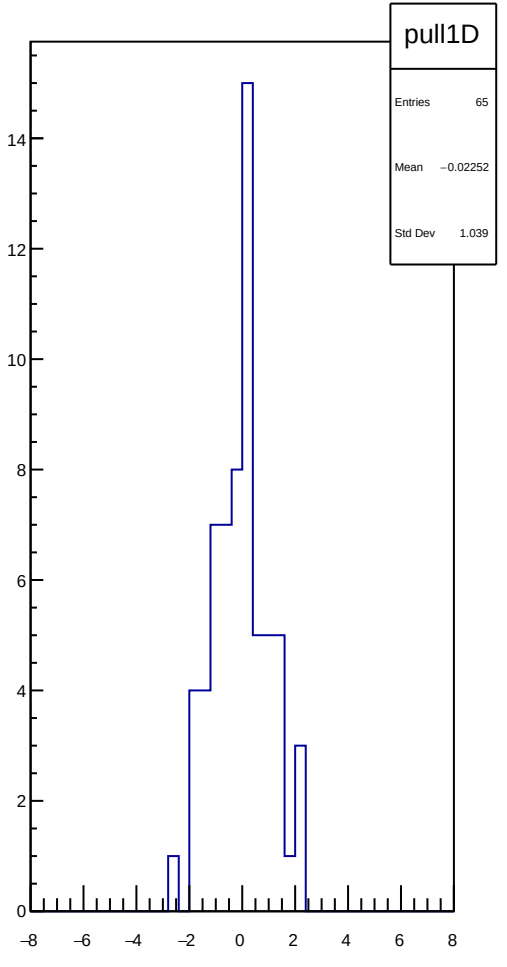

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.414e+04 / 64
p0 113.1 ± 0.09917
180
160
140
120
100

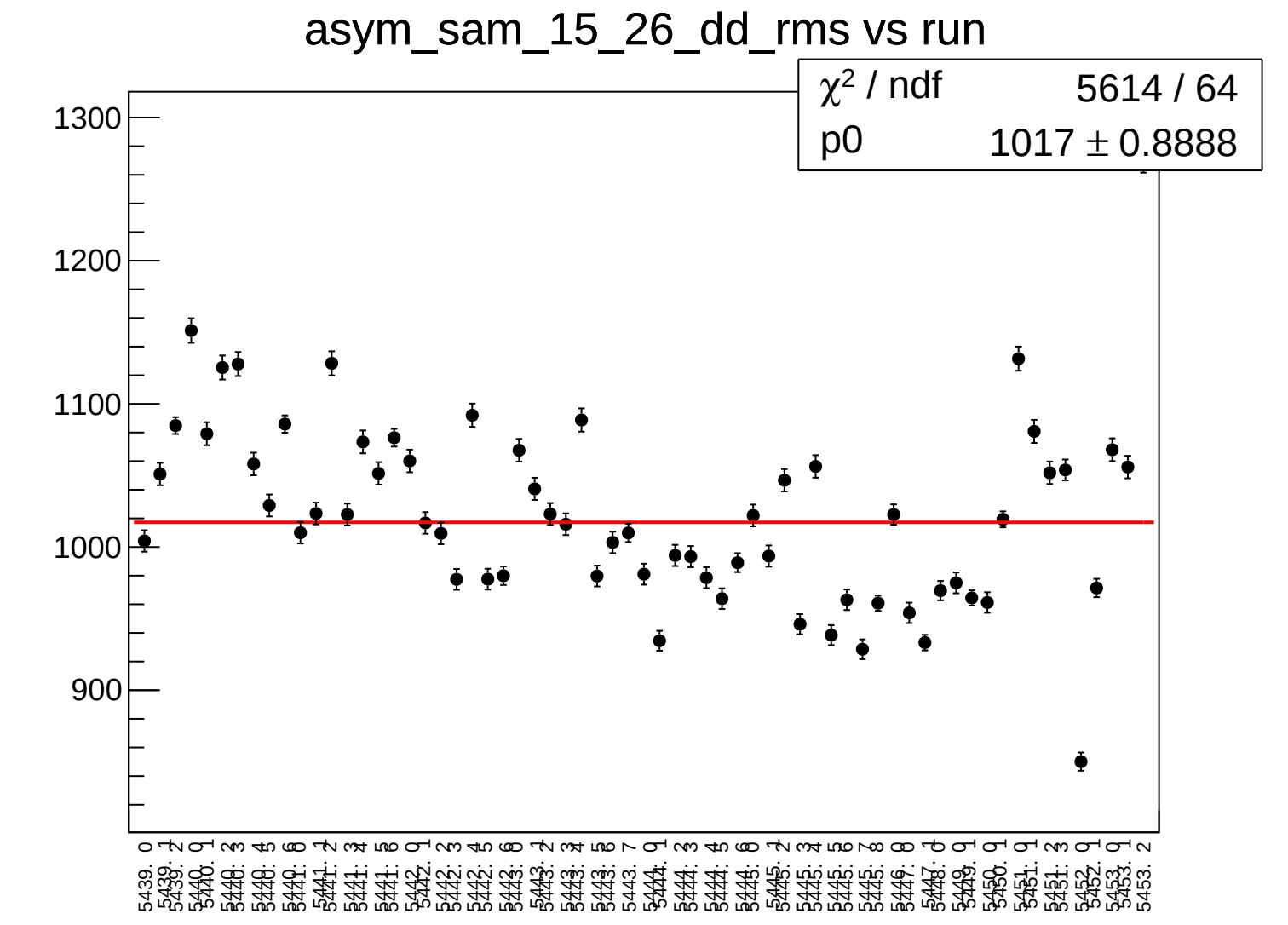

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 71.35 / 64
p0 1914 ± 1246
pull
Entries 65
Mean −88.25
Std Dev 0

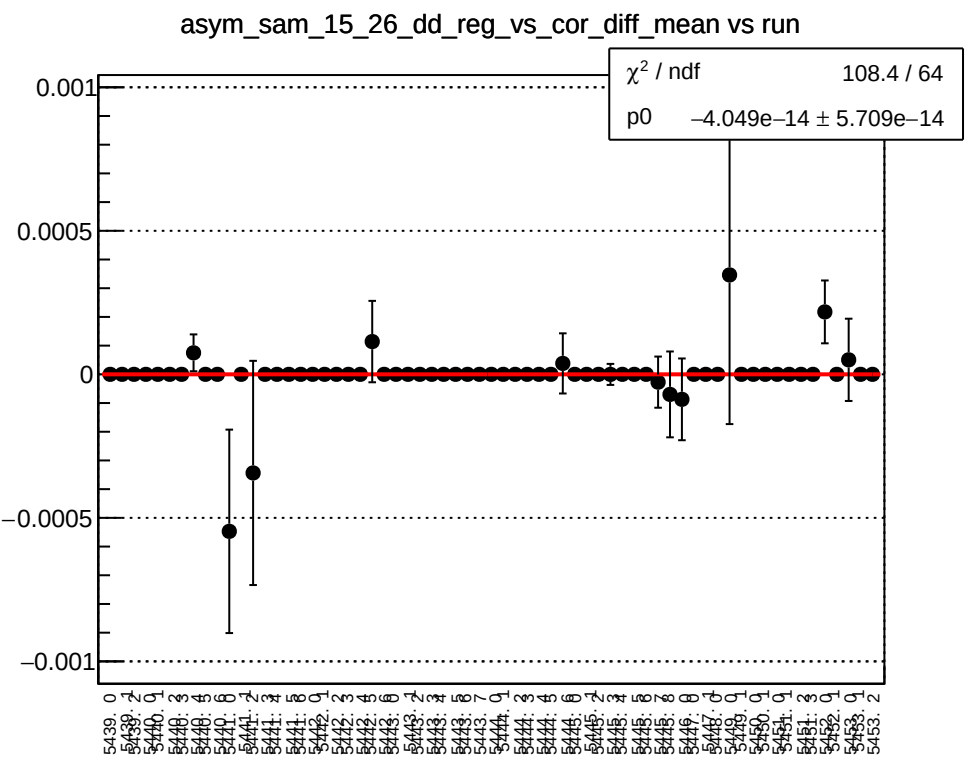

pull1D
Entries 65
Mean 0.02349
Std Dev 1.047

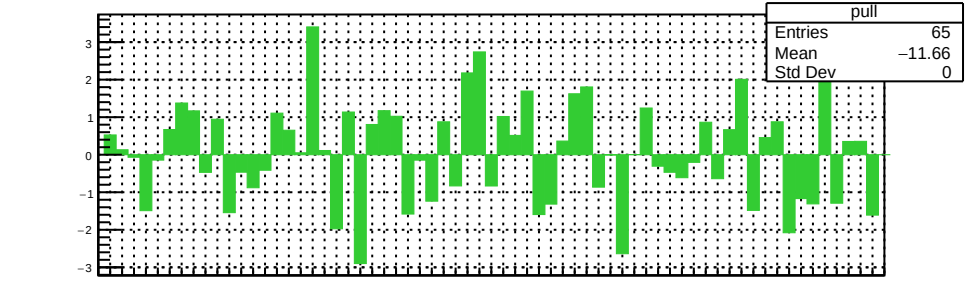

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3557 / 64
p0 1009 ± 0.8811
1150
1100
1050
1000
950
900

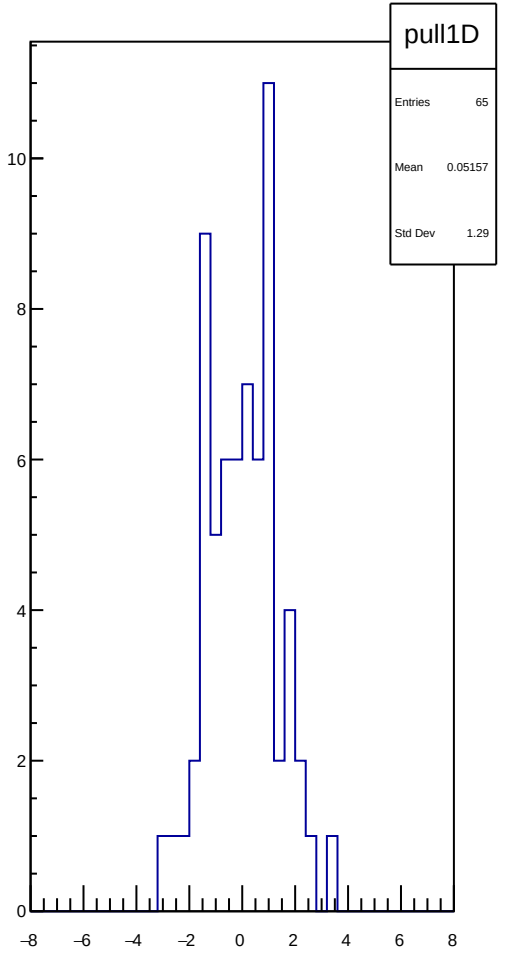

asym_sam_15_26_dd_mean vs run
χ² / ndf 70.25 / 64
p0 −2210 ± 1257
pull
Entries 65
Mean −79.96
Std Dev 0

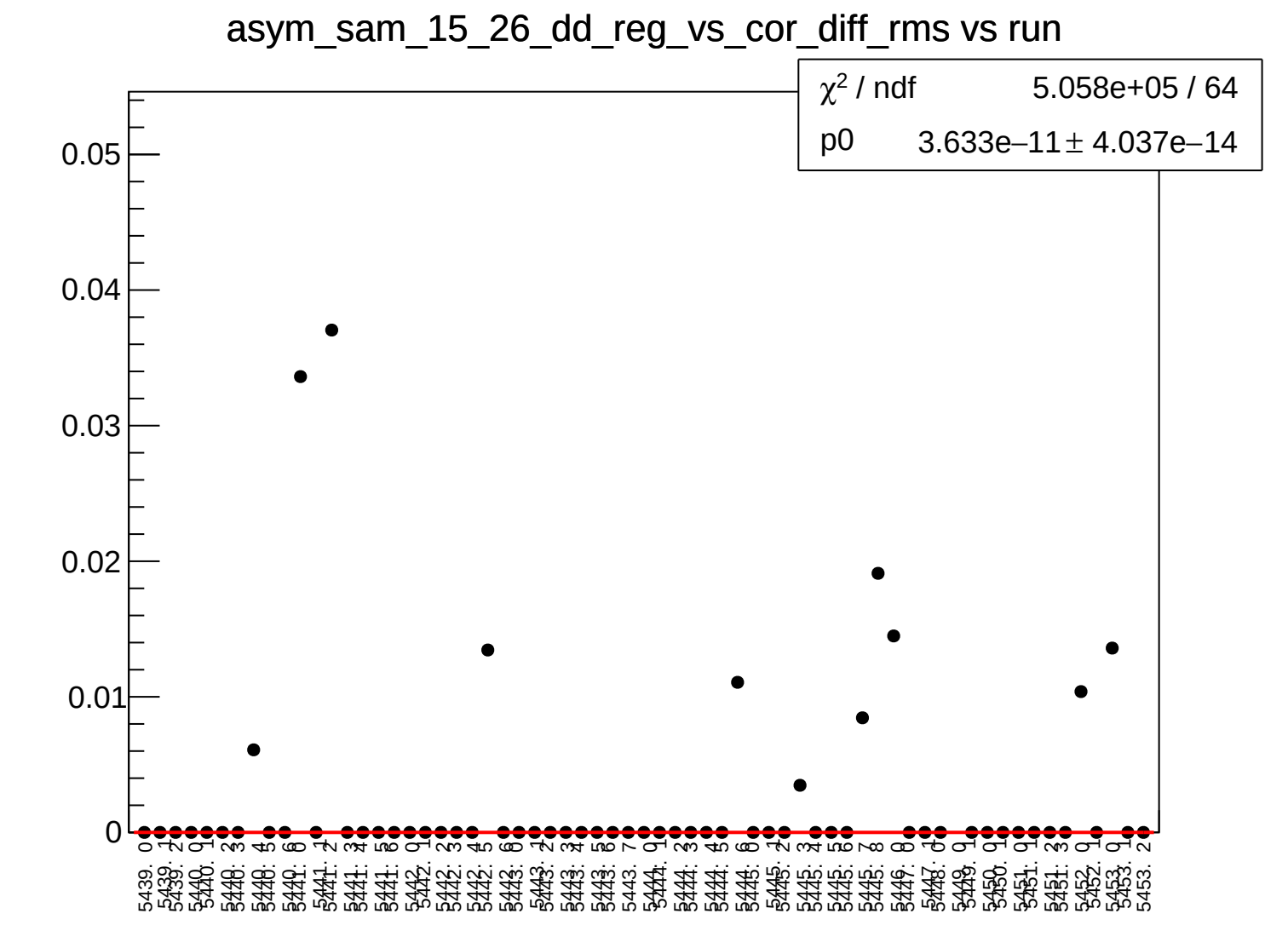

pull1D
Entries 65
Mean −0.02252
Std Dev 1.039

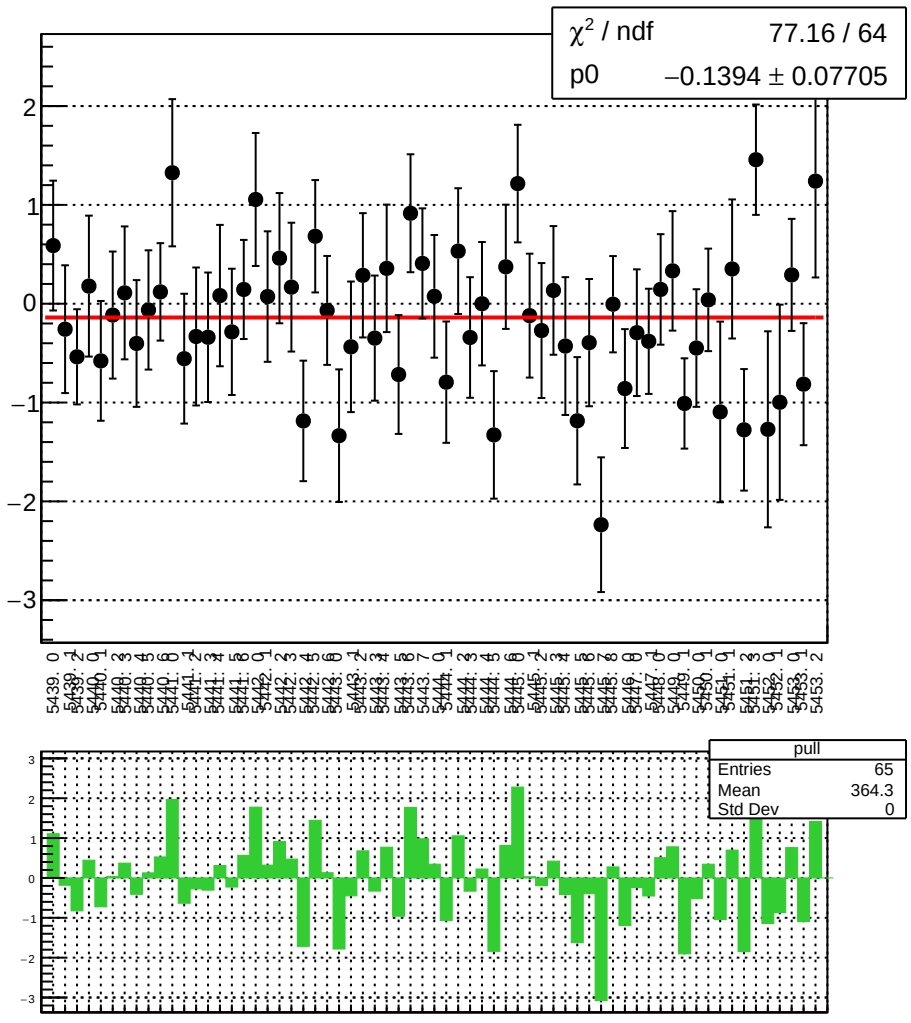

asym_sam_15_26_dd_rms vs run
χ² / ndf 5614 / 64
p0 1017 ± 0.8888
1300
1200
1100
1000
900

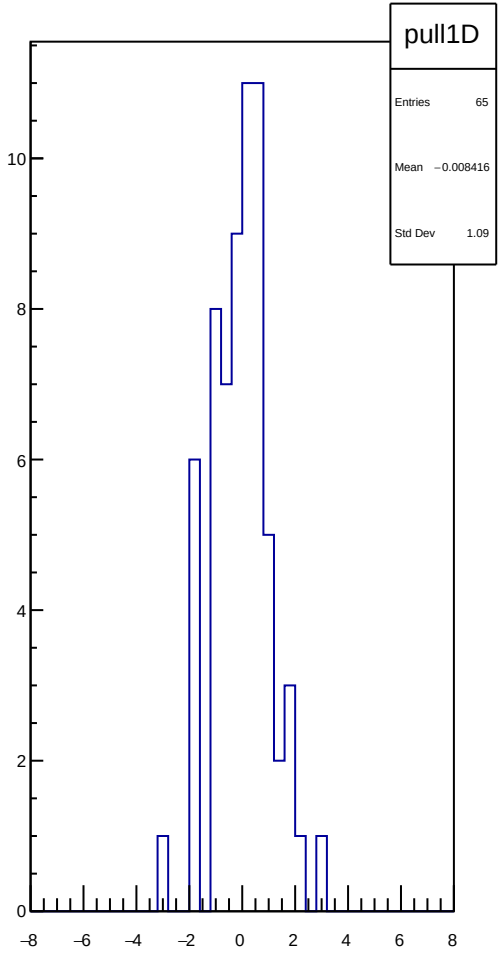

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 108.4 / 64
p0 −4.049e−14 ± 5.709e−14
0.001
0.0005
0
−0.0005
−0.001

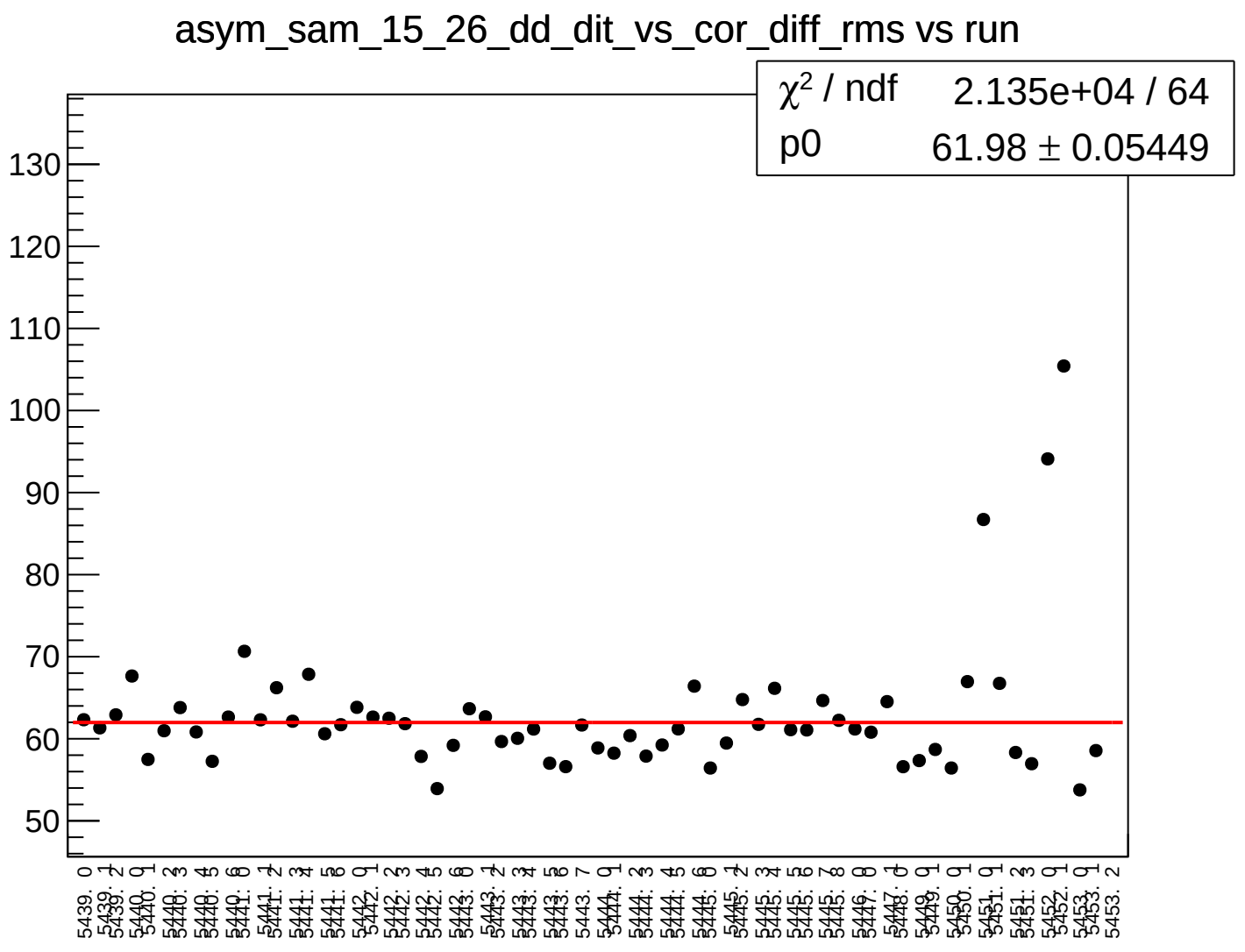

pull
Entries 65
Mean −11.66
Std Dev 0

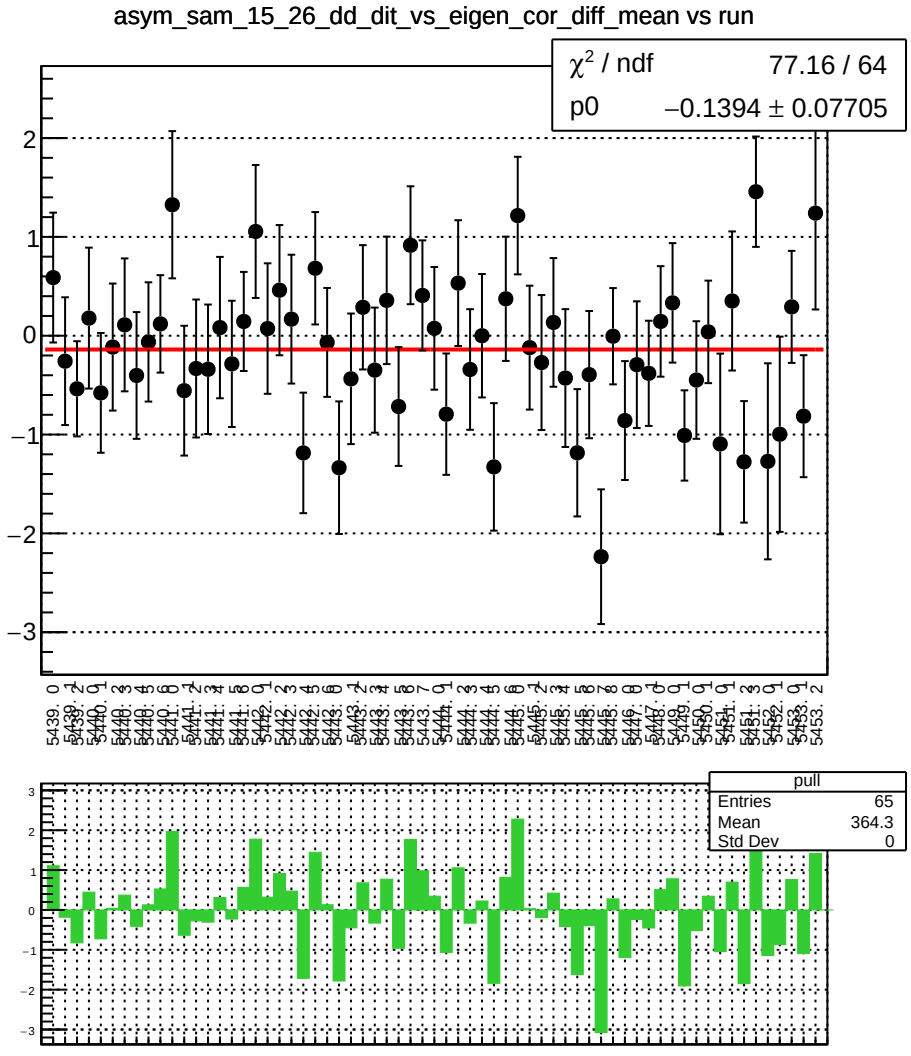

pull1D
Entries 65
Mean 0.05157
Std Dev 1.29

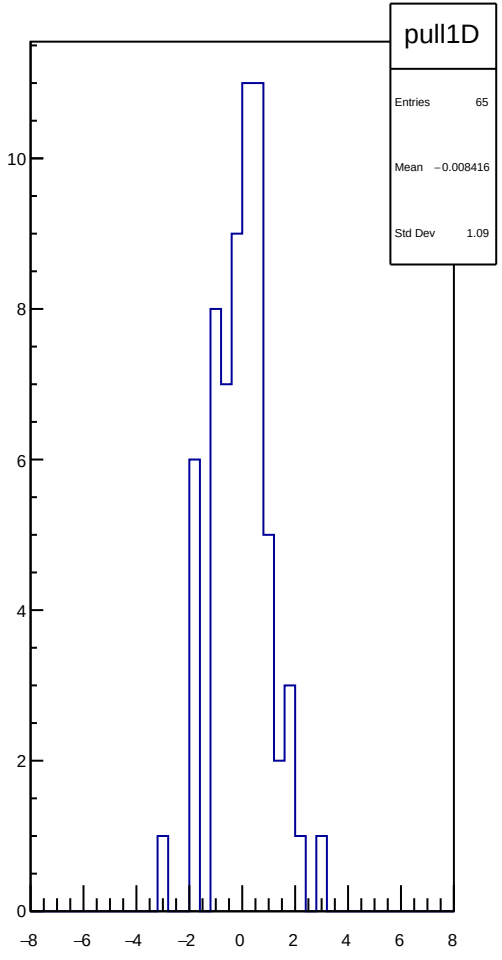

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.058e+05 / 64
p0 3.633e−11 ± 4.037e−14
0.05
0.04
0.03
0.02
0.01
0

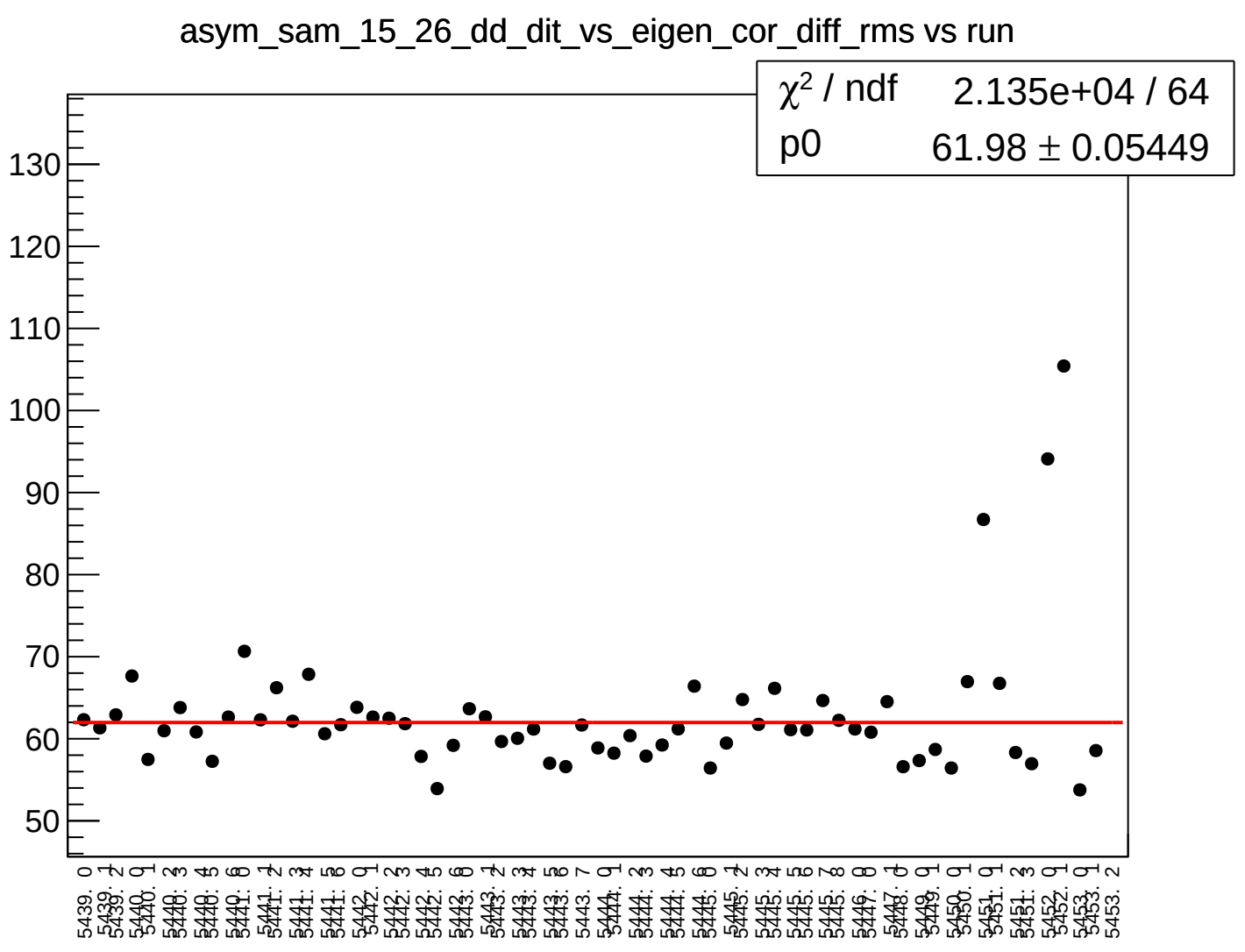

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.16 / 64
p0 −0.1394 ± 0.07705
pull
Entries 65
Mean 364.3
Std Dev 0

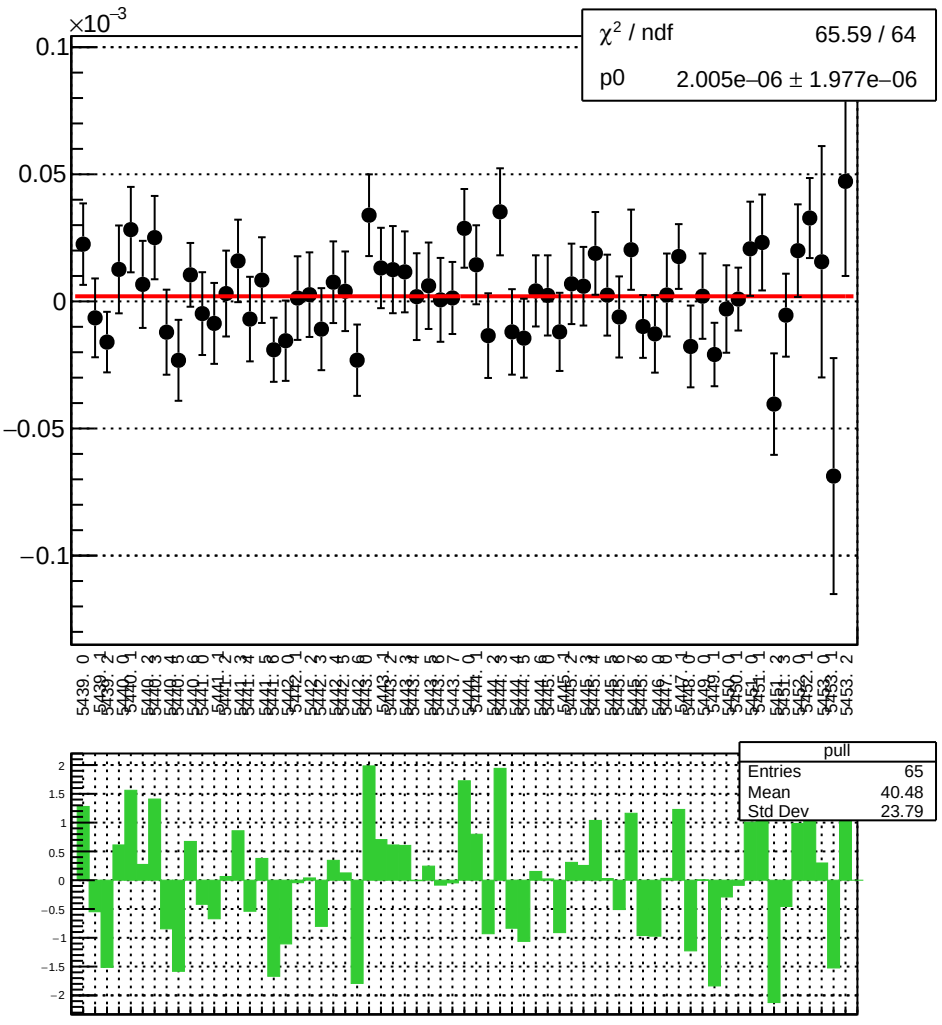

pull1D
Entries 65
Mean −0.008416
Std Dev 1.09

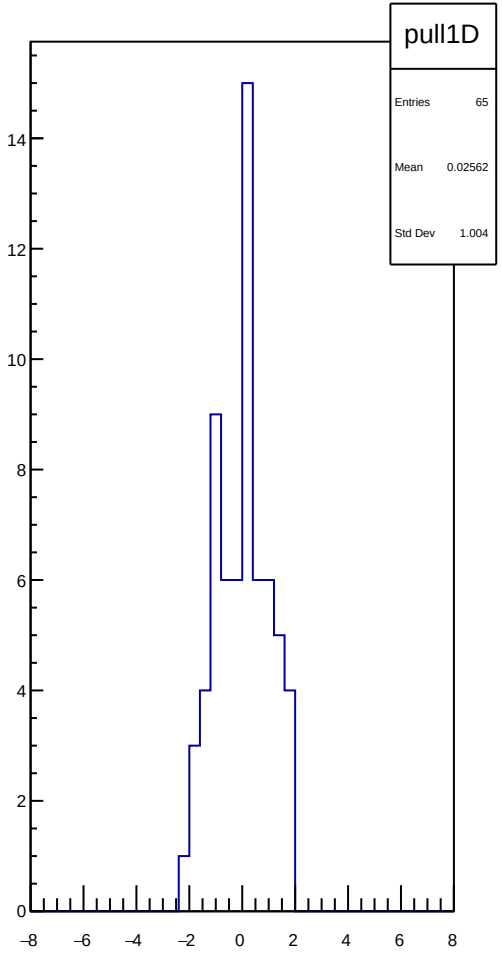

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.135e+04 / 64
p0 61.98 ± 0.05449
130
120
110
100
90
80
70
60
50

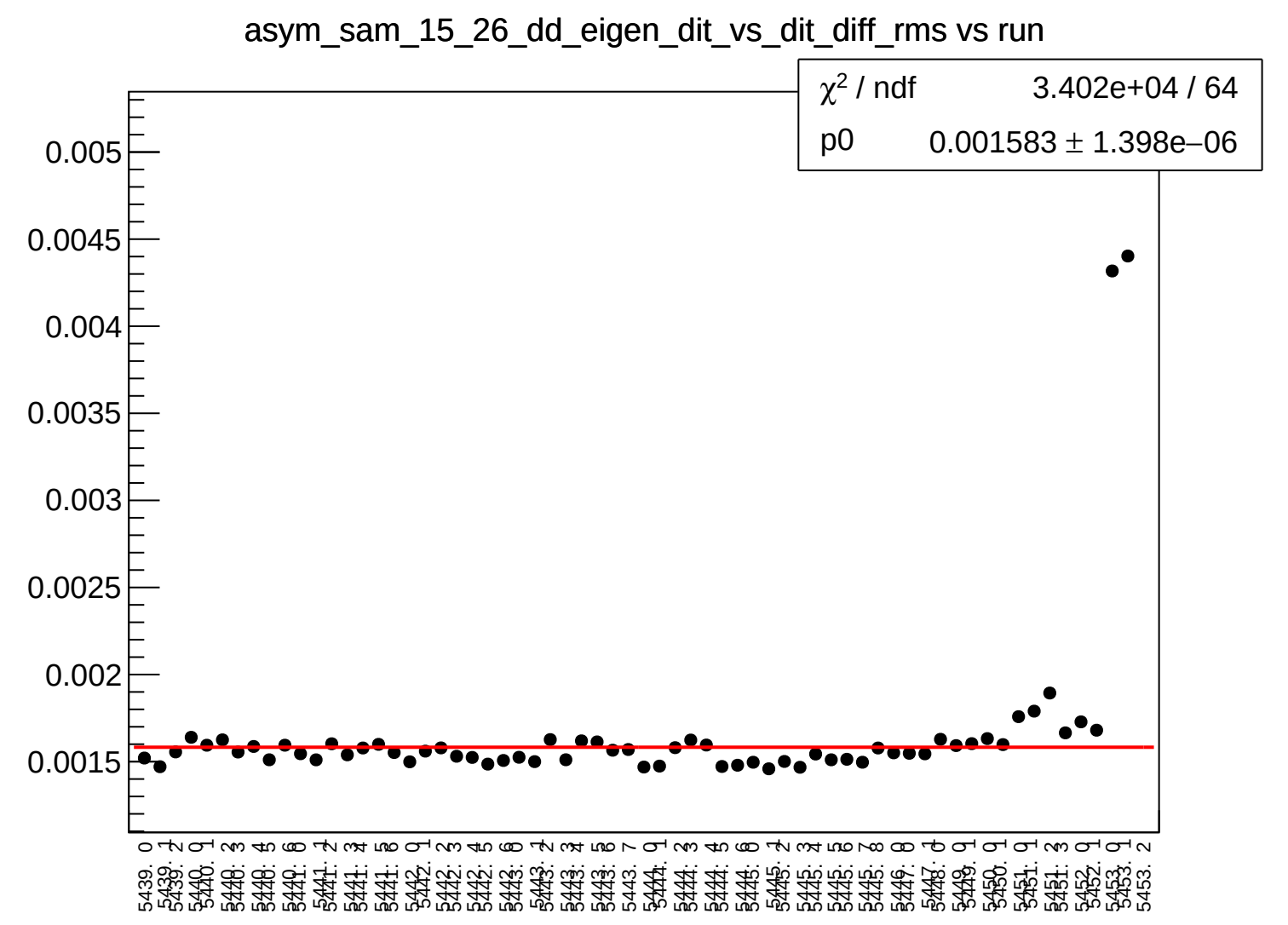

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.16 / 64
p0 −0.1394 ± 0.07705
pull
Entries 65
Mean 364.3
Std Dev 0

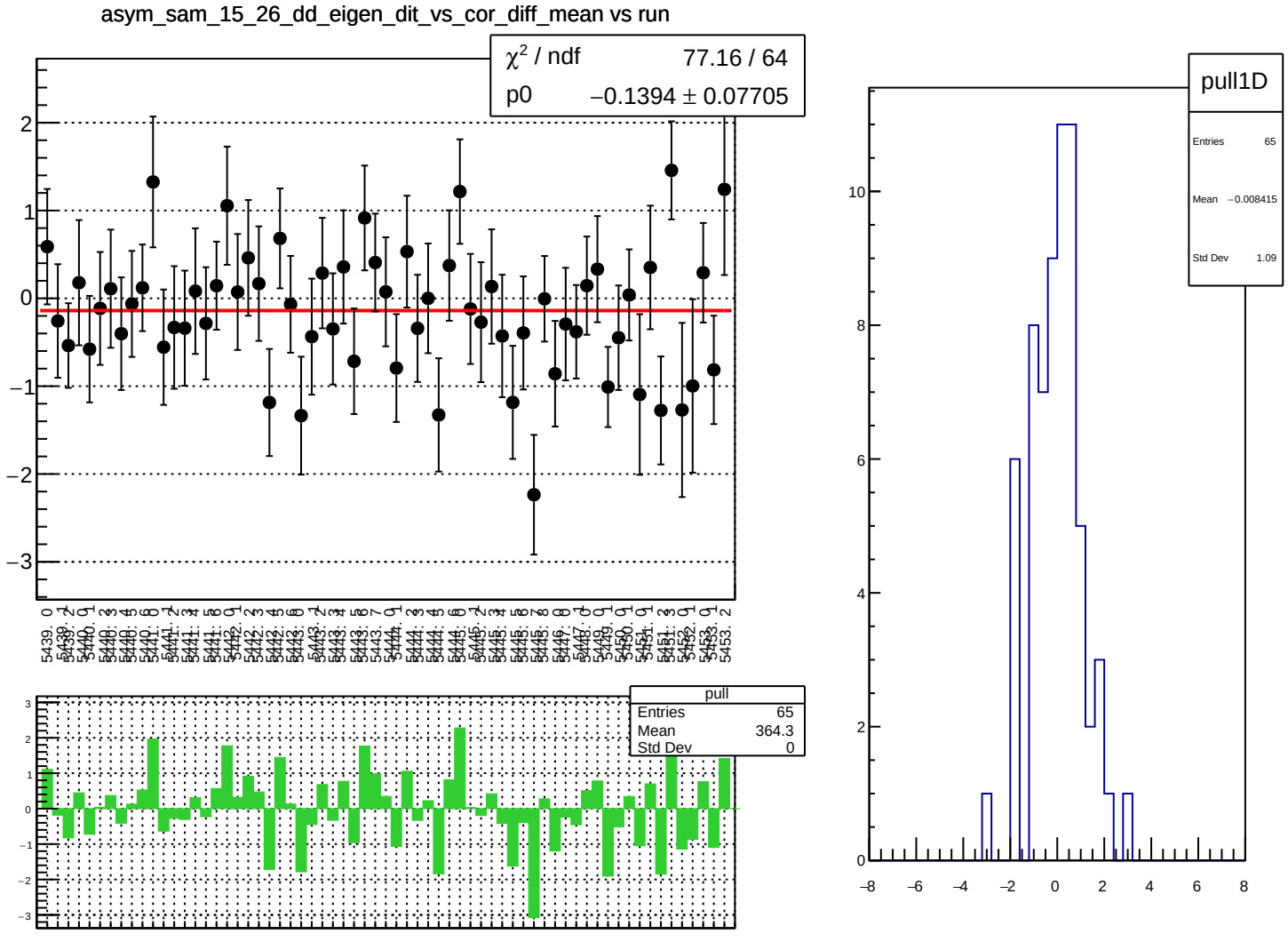

pull1D
Entries 65
Mean −0.008416
Std Dev 1.09

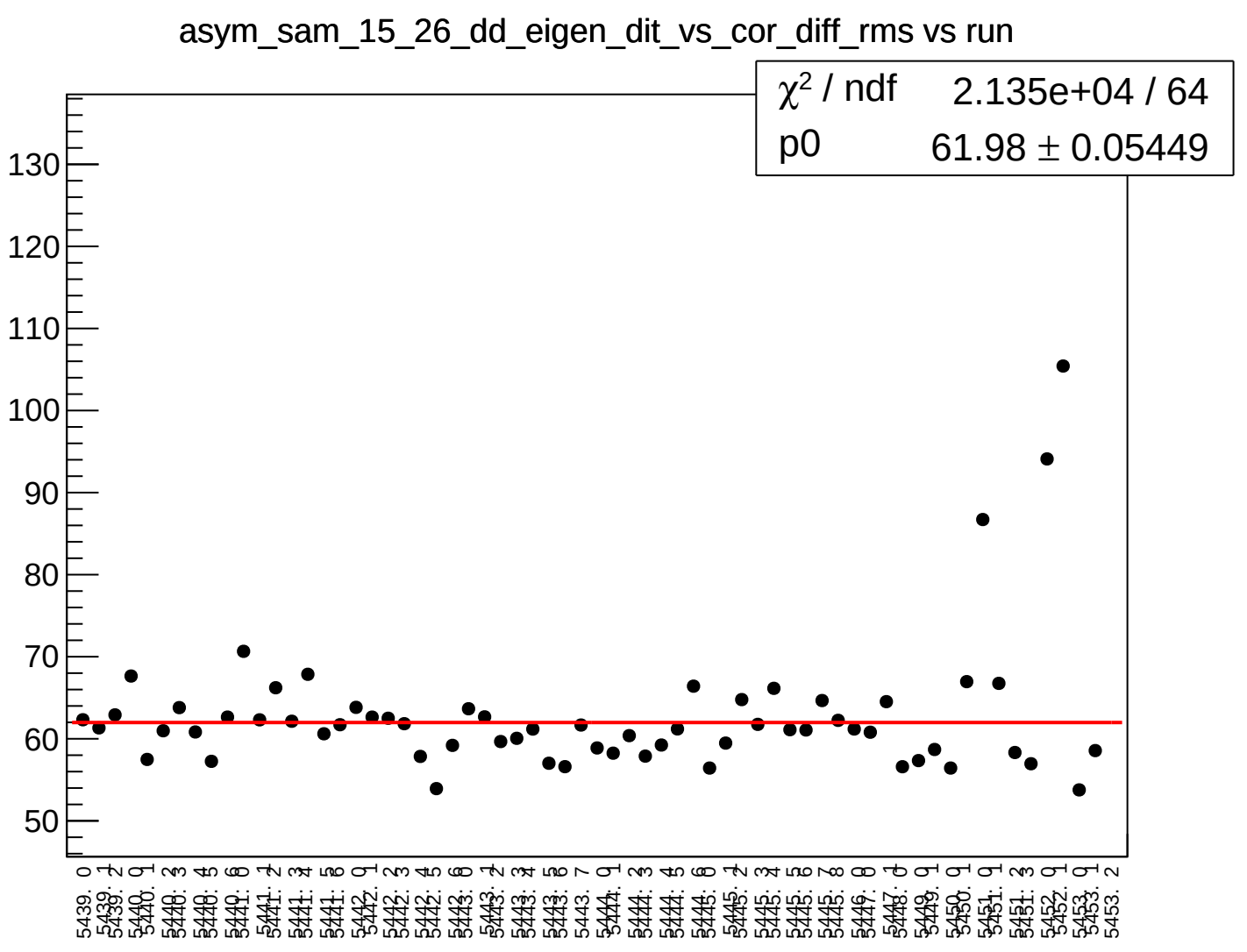

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.135e+04 / 64
p0 61.98 ± 0.05449
130
120
110
100
90
80
70
60
50

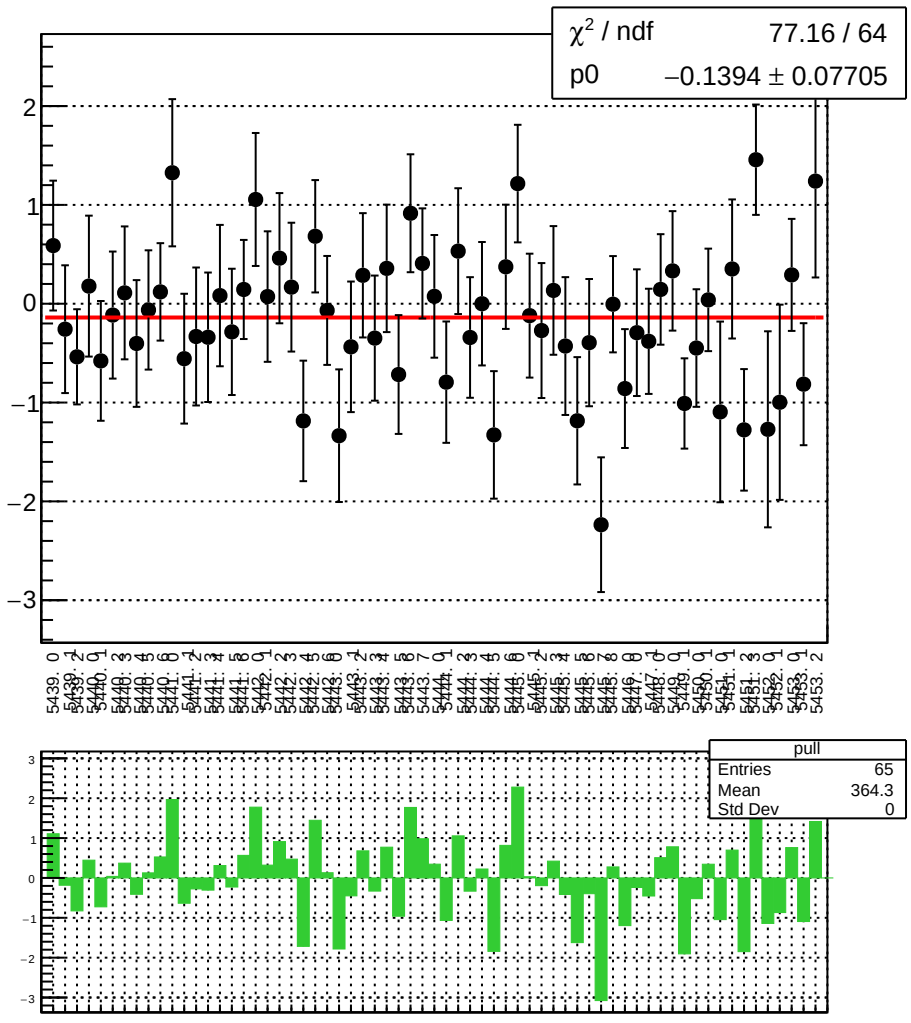

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 65.59 / 64
p0 2.005e−06 ± 1.977e−06
pull
Entries 65
Mean 40.48
Std Dev 23.79

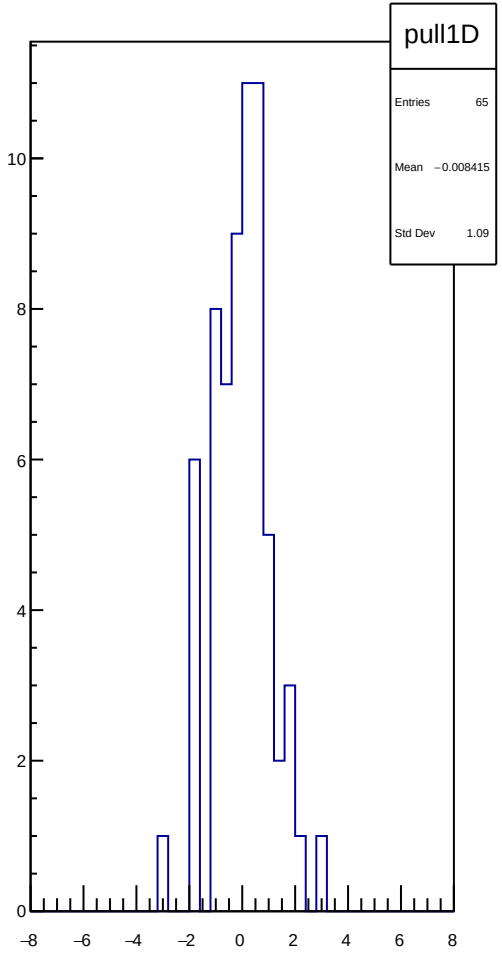

pull1D
Entries 65
Mean 0.02562
Std Dev 1.004

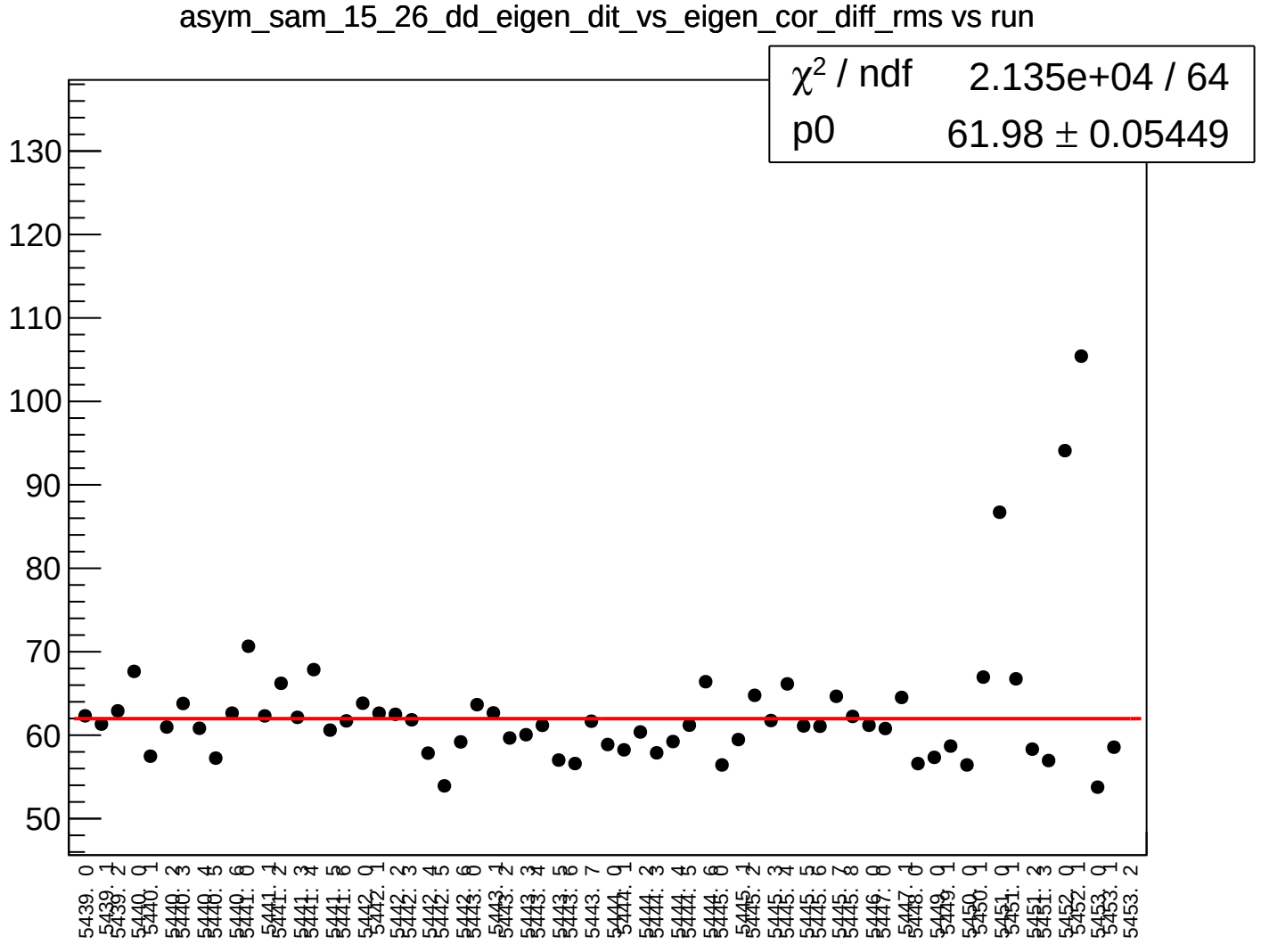

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.402e+04 / 64
p0 0.001583 ± 1.398e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

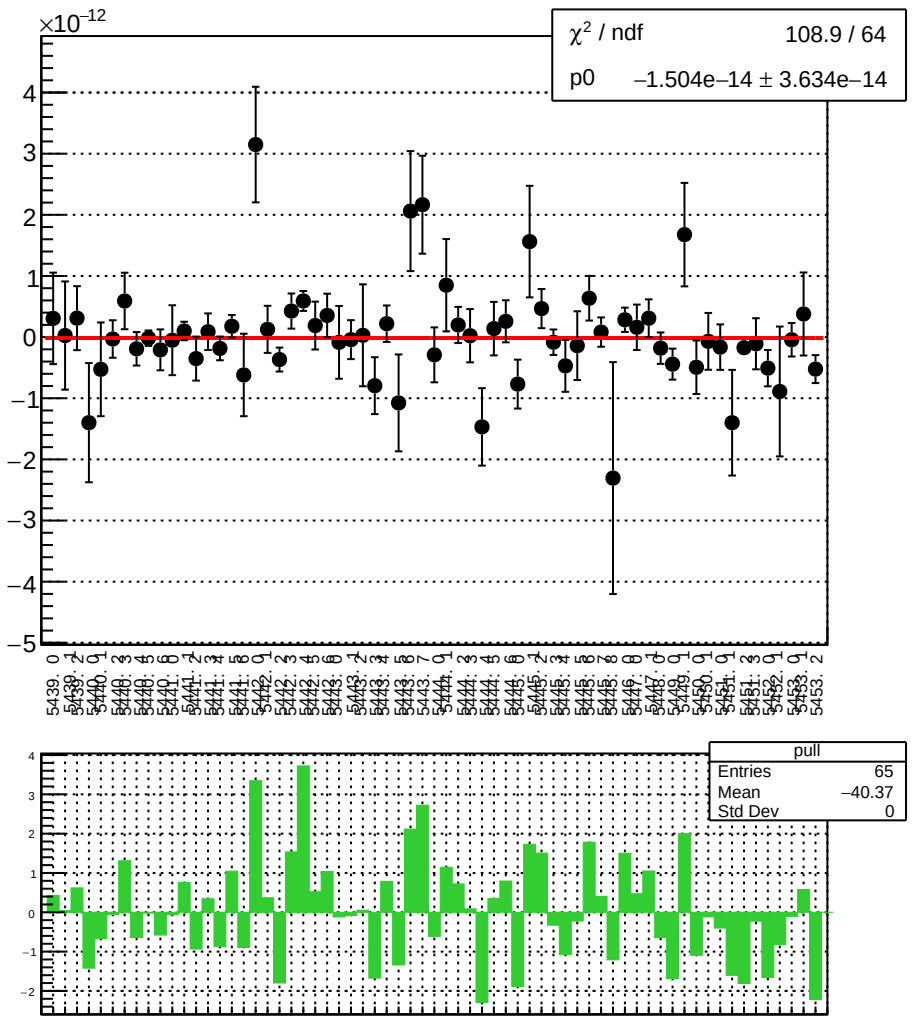

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.16 / 64
p0 −0.1394 ± 0.07705
pull
Entries 65
Mean 364.3
Std Dev 0
pull1D
Entries 65
Mean −0.008415
Std Dev 1.09

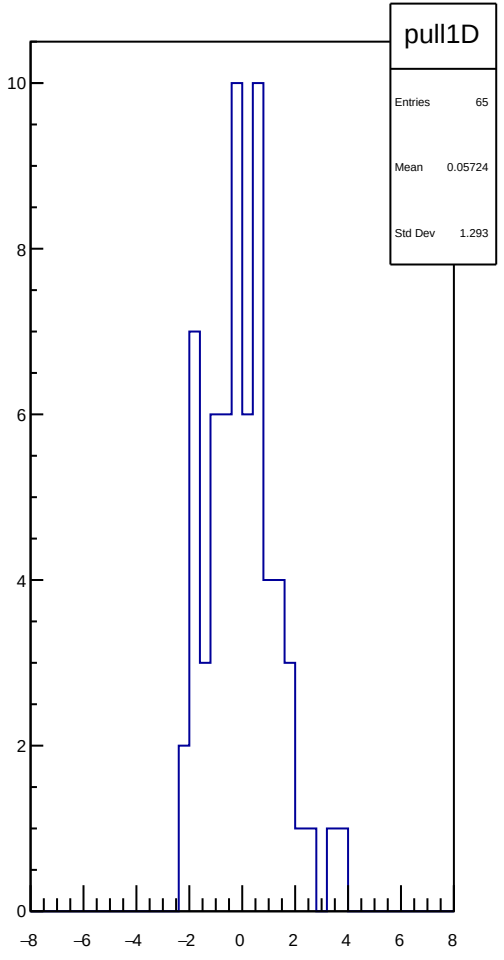

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.135e+04 / 64
p0 61.98 ± 0.05449
130
120
110
100
90
80
70
60
50

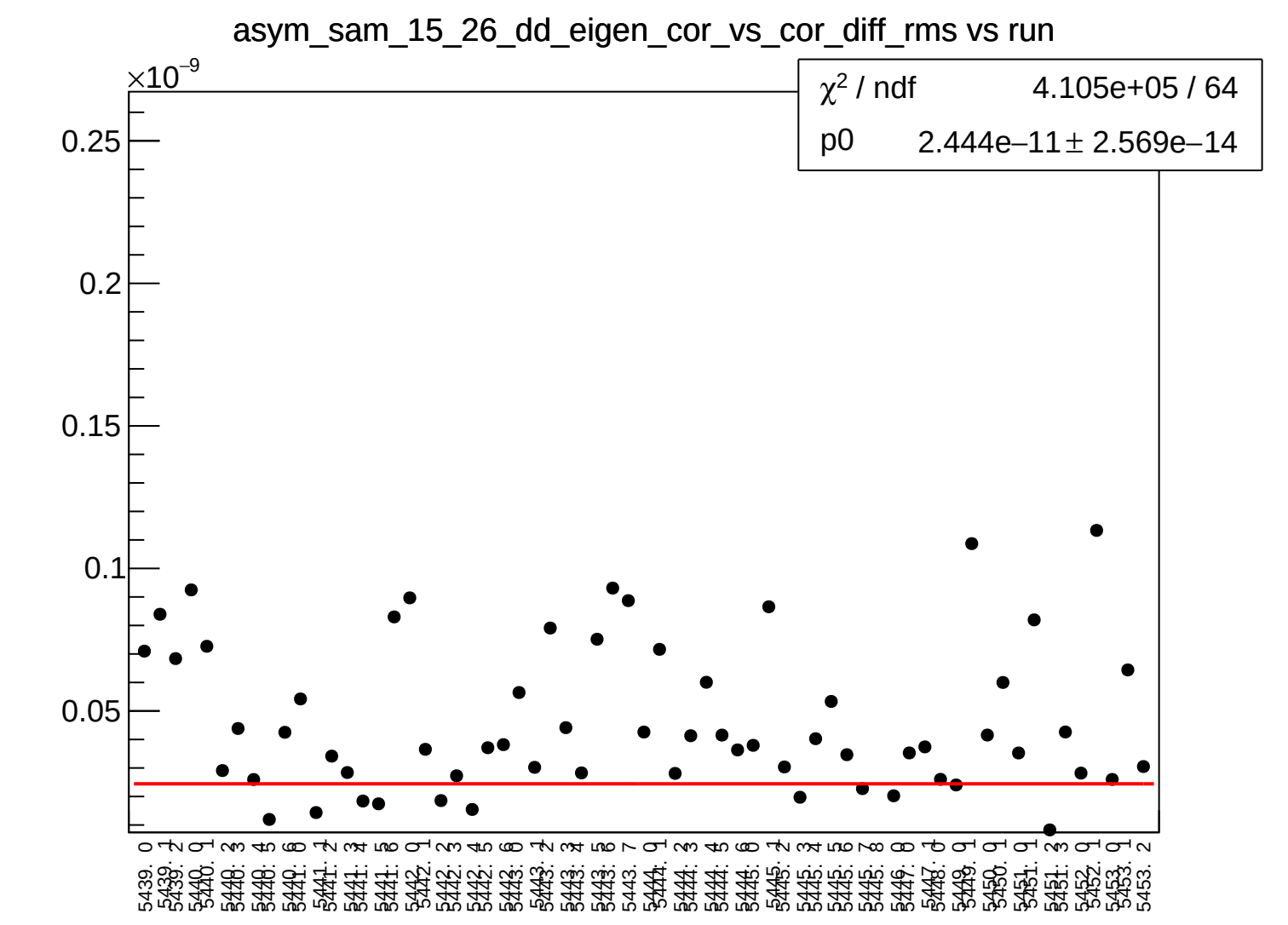

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.16 / 64
p0 −0.1394 ± 0.07705
pull
Entries 65
Mean 364.3
Std Dev 0

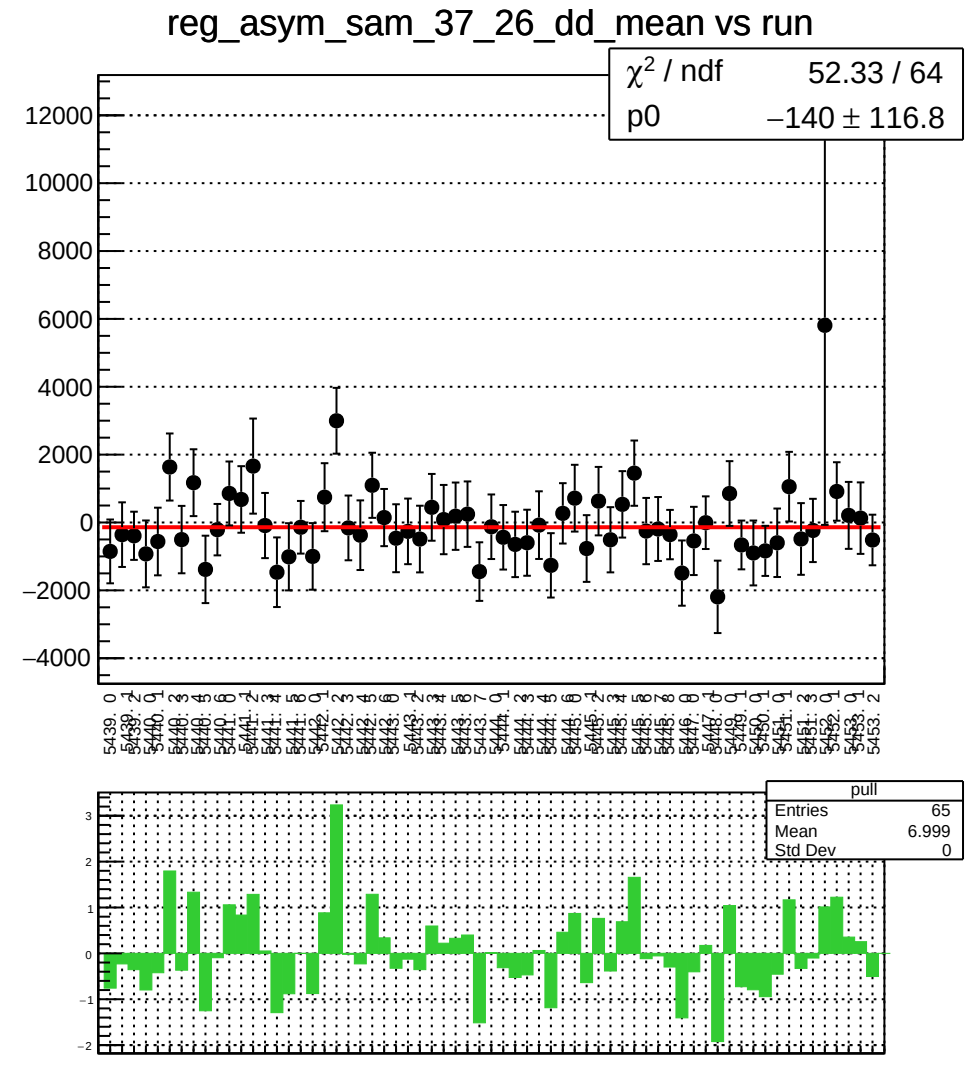

pull1D
Entries 65
Mean −0.008415
Std Dev 1.09

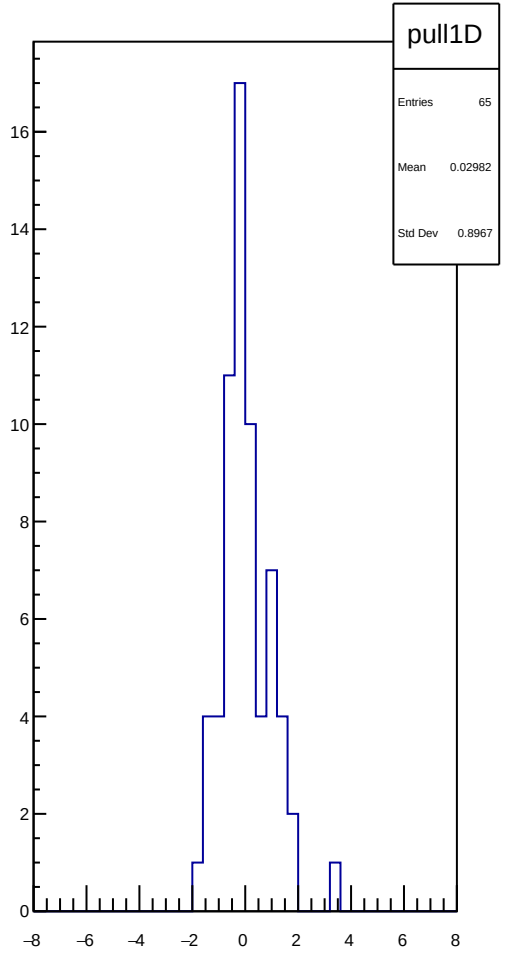

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.135e+04 / 64
p0 61.98 ± 0.05449
130
120
110
100
90
80
70
60
50

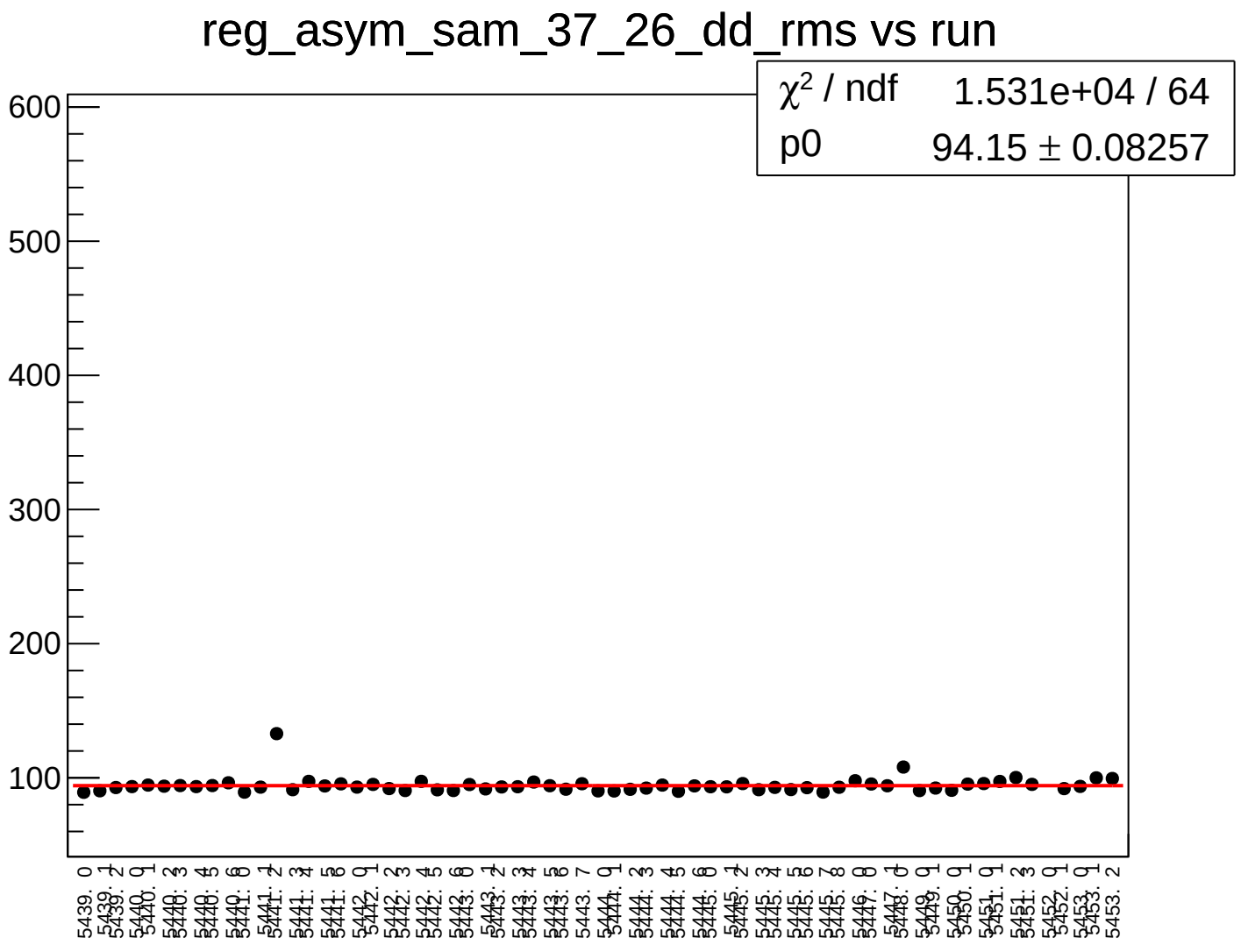

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 108.9 / 64
p0 −1.504e−14 ± 3.634e−14
pull
Entries 65
Mean −40.37
Std Dev 0

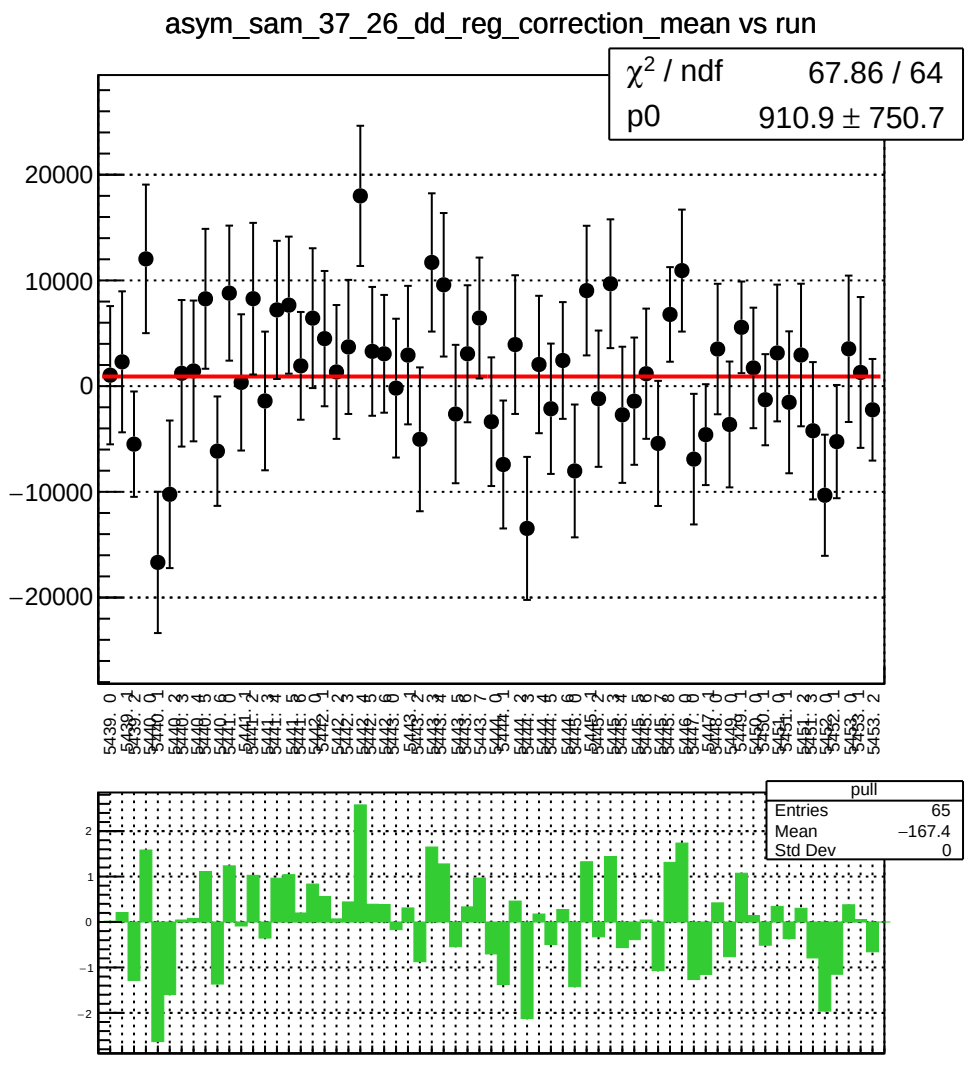

pull1D
Entries 65
Mean 0.05724
Std Dev 1.293

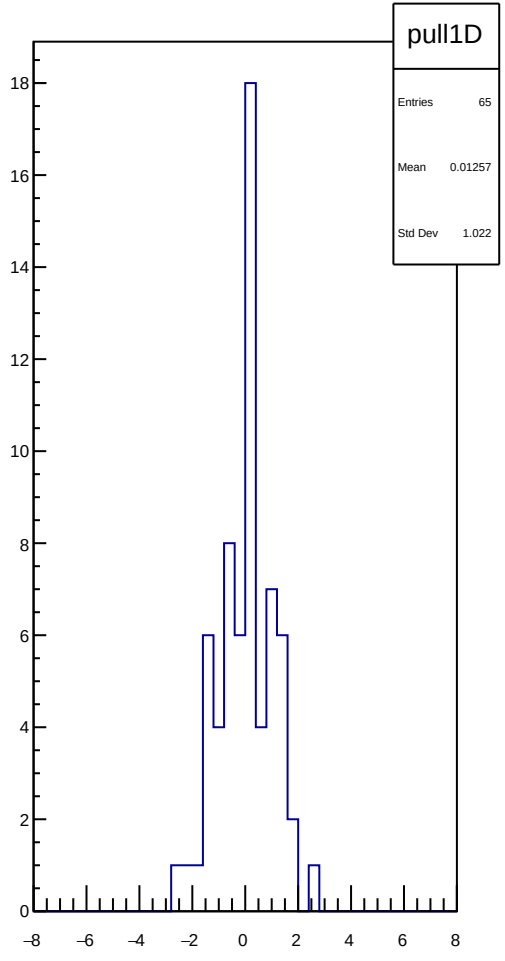

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.105e+05 / 64
p0 2.444e−11 ± 2.569e−14
0.25
0.2
0.15
0.1
0.05

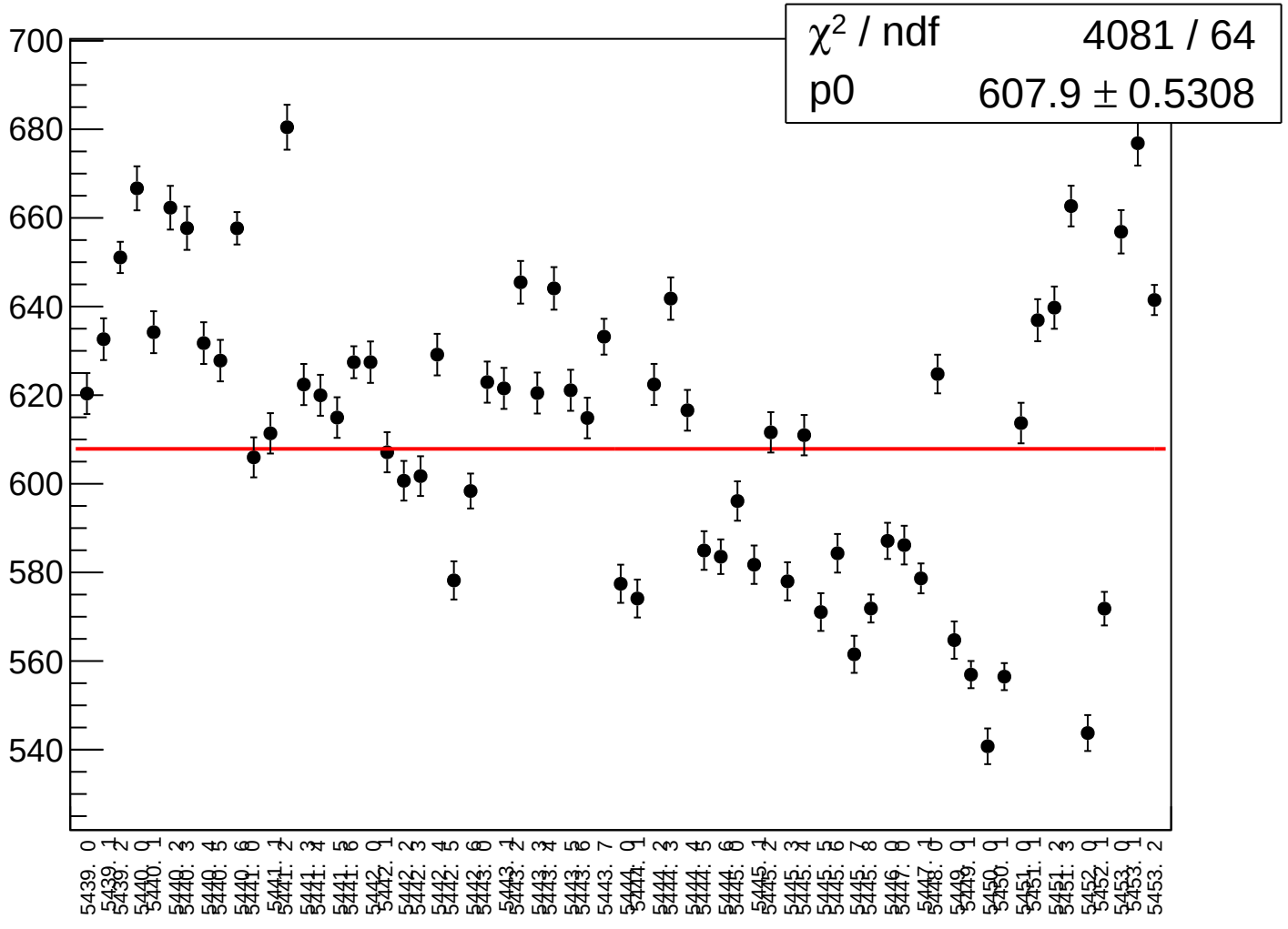

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 52.33 / 64
p0 −140 ± 116.8
pull
Entries 65
Mean 6.999
Std Dev 0

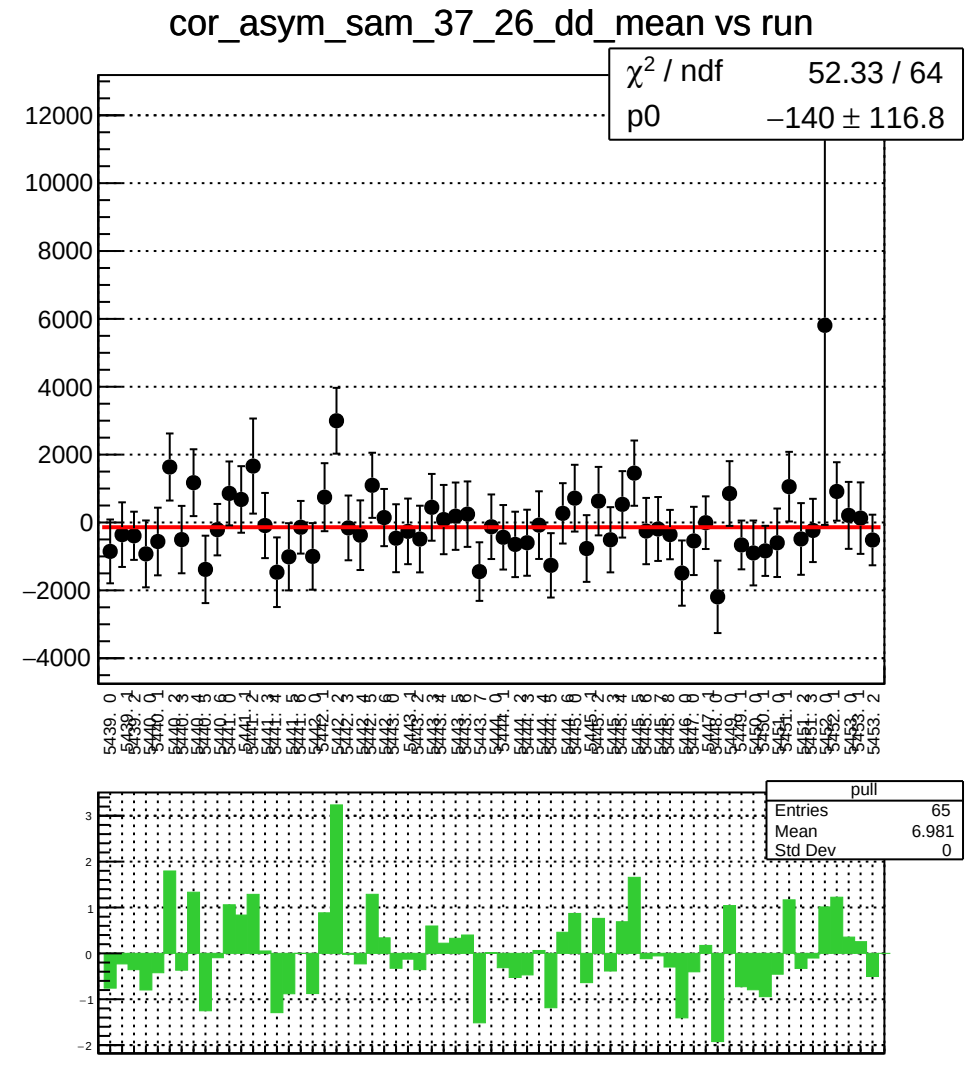

pull1D
Entries 65
Mean 0.02982
Std Dev 0.8967

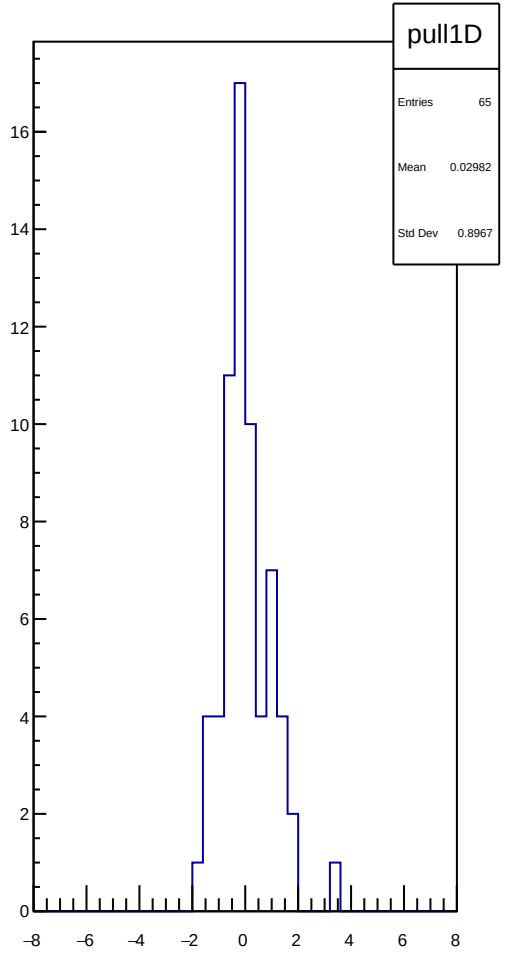

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.531e+04 / 64
p0 94.15 ± 0.08257
600
500
400
300
200
100

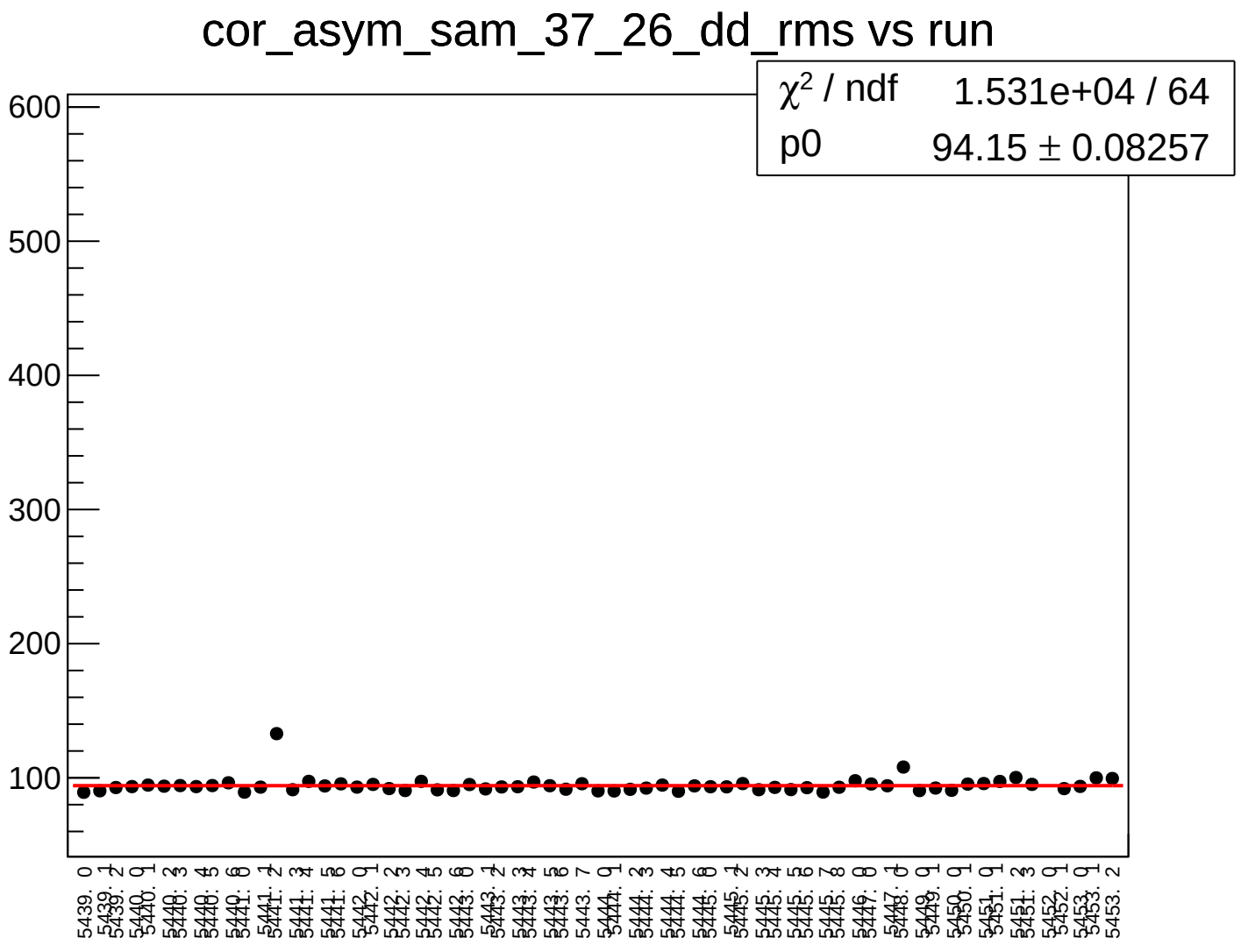

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 67.86 / 64
p0 910.9 ± 750.7
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −167.4
Std Dev 0
2
1
0
−1
−2

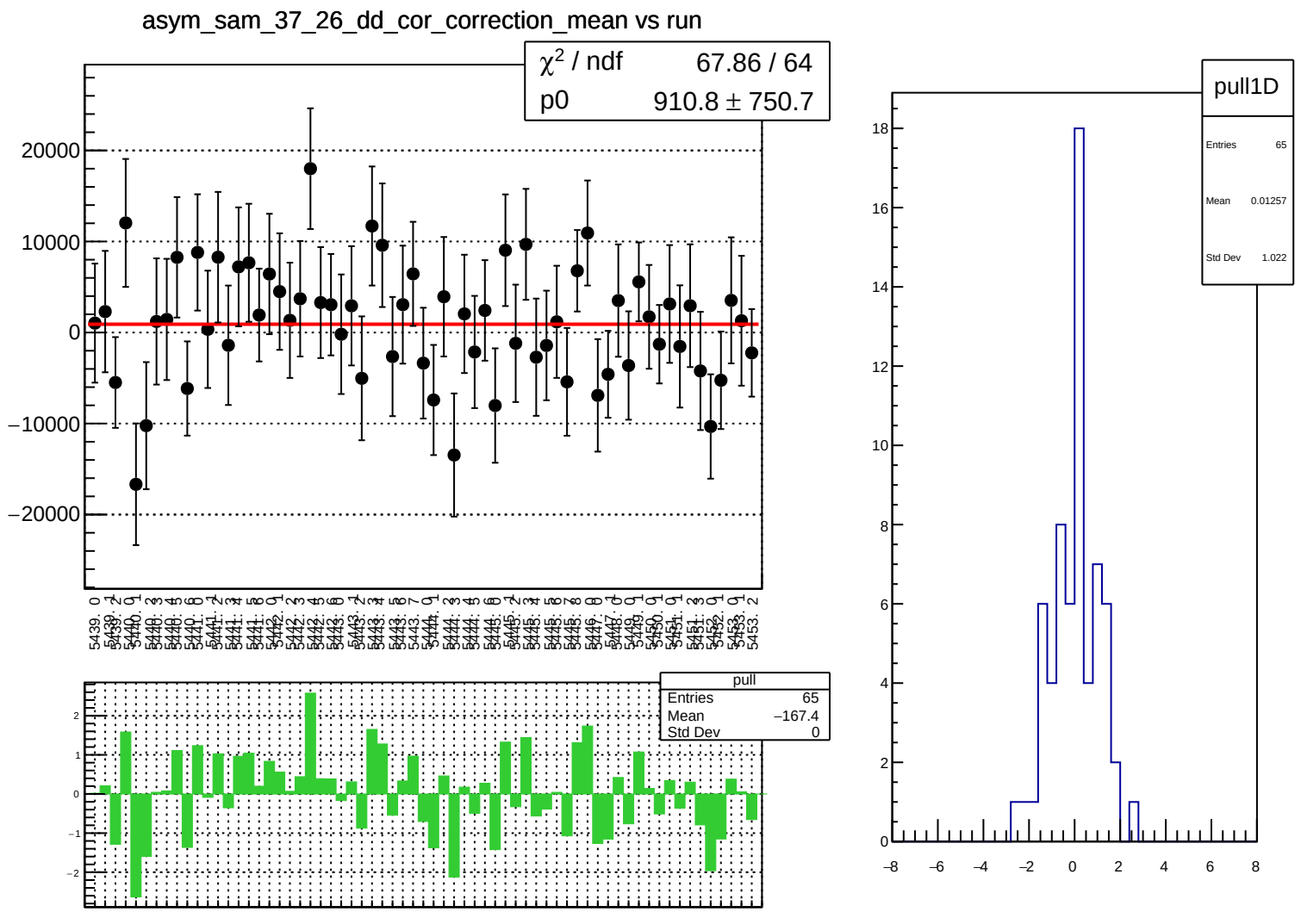

pull1D
Entries 65
Mean 0.01257
Std Dev 1.022
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

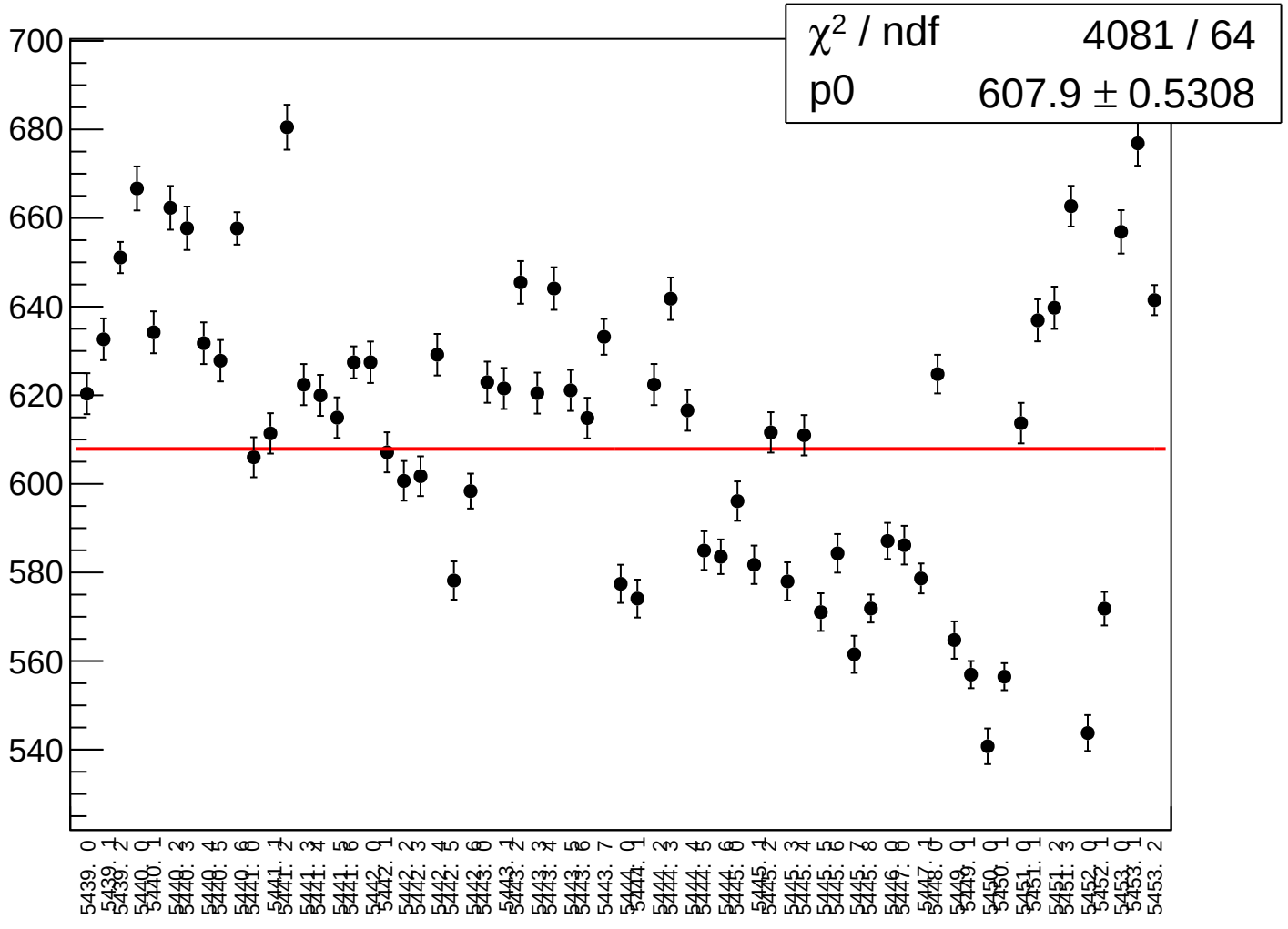

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 4081 / 64
p0 607.9 ± 0.5308
700
680
660
640
620
600
580
560
540

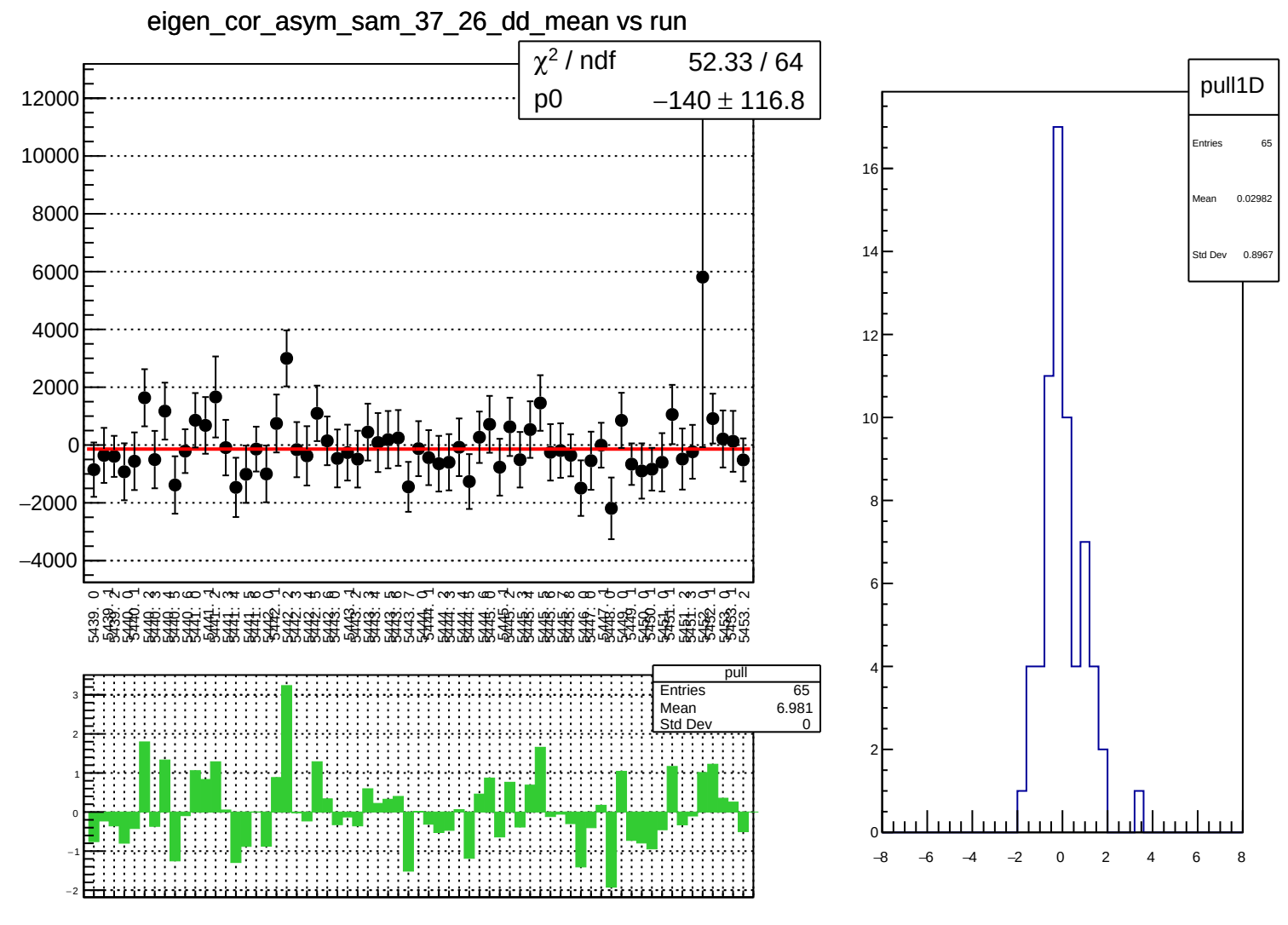

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 52.33 / 64
p0 −140 ± 116.8
pull
Entries 65
Mean 6.981
Std Dev 0

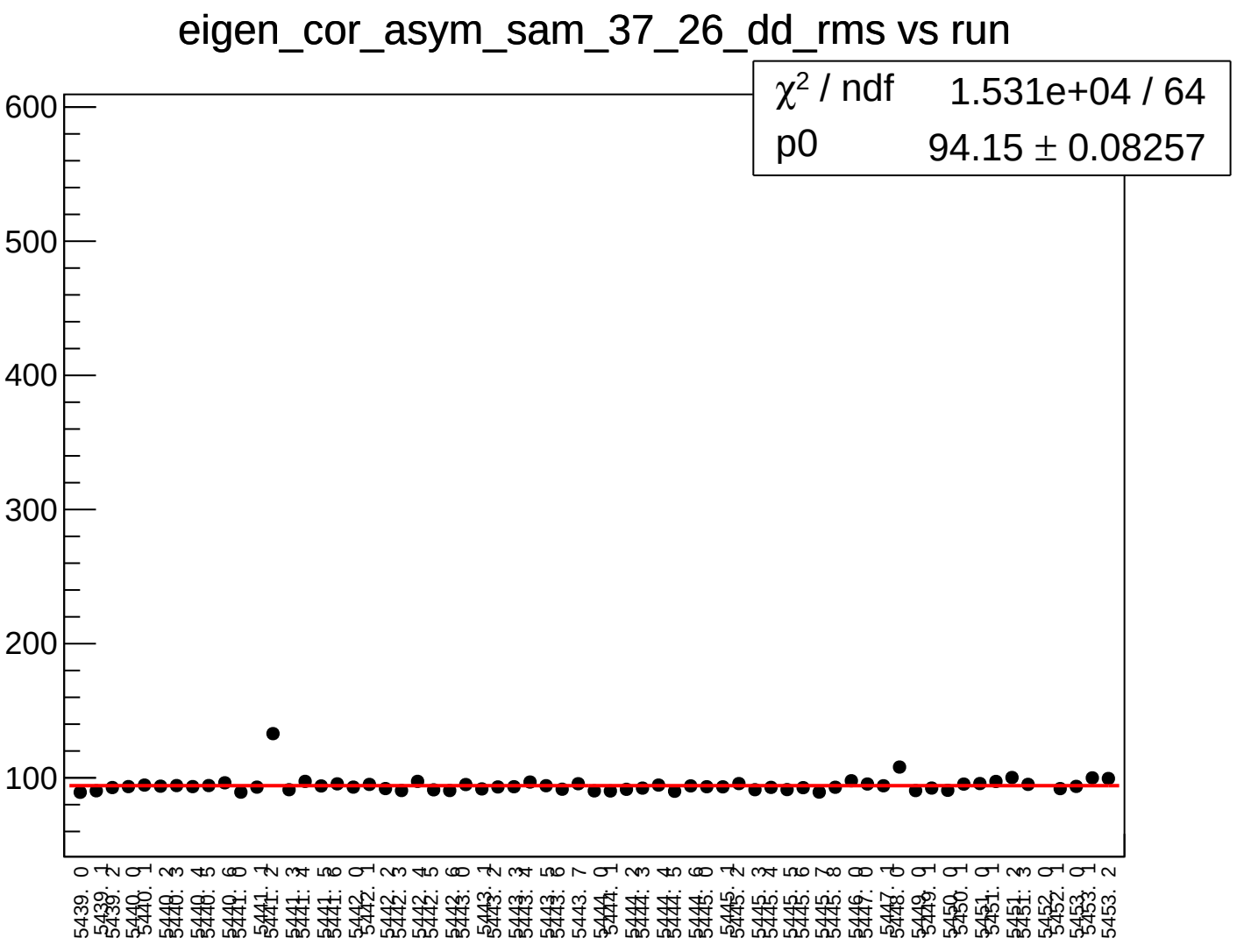

pull1D
Entries 65
Mean 0.02982
Std Dev 0.8967

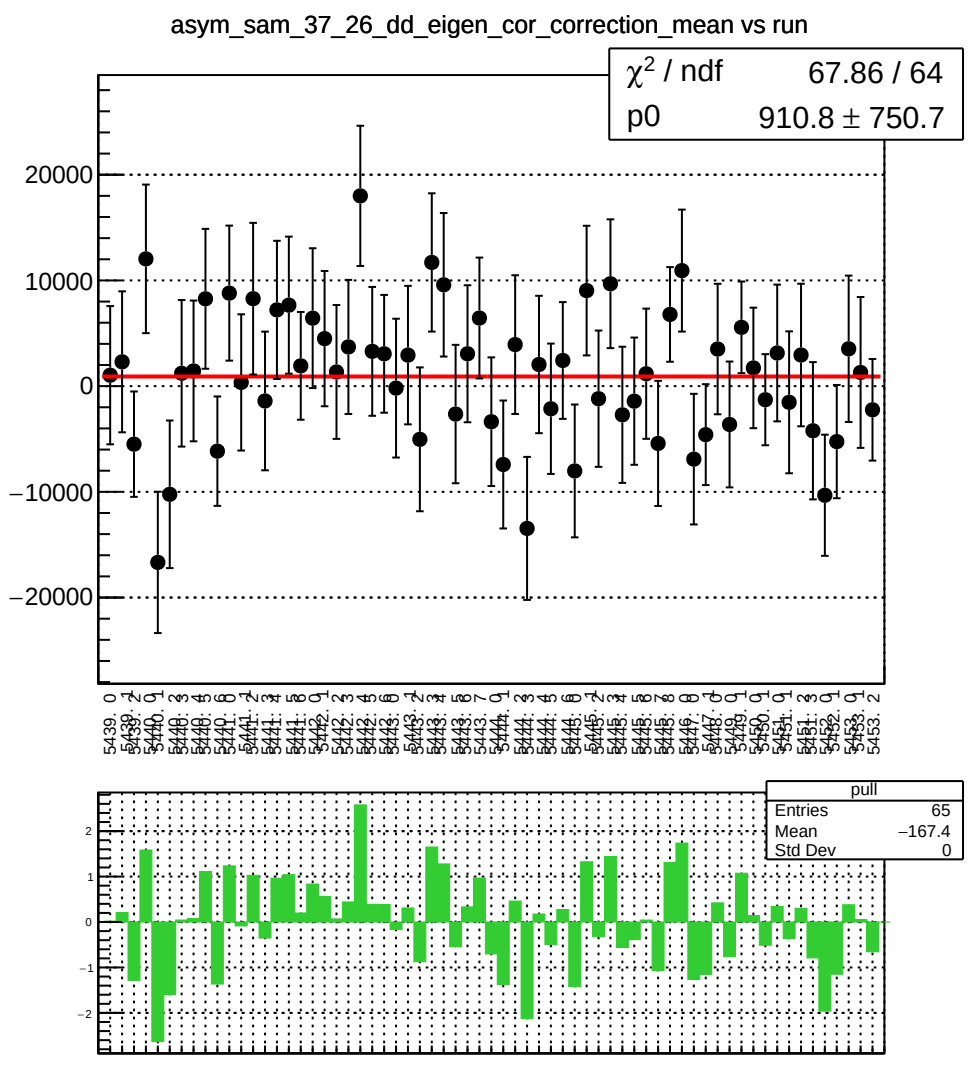

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.531e+04 / 64
p0 94.15 ± 0.08257
600
500
400
300
200
100

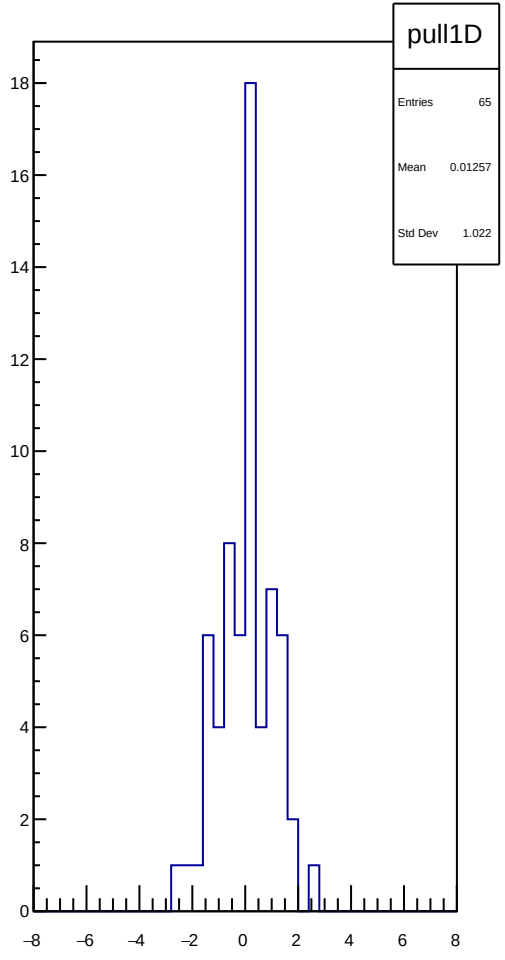

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 67.86 / 64
p0 910.8 ± 750.7
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −167.4
Std Dev 0
pull1D
Entries 65
Mean 0.01257
Std Dev 1.022

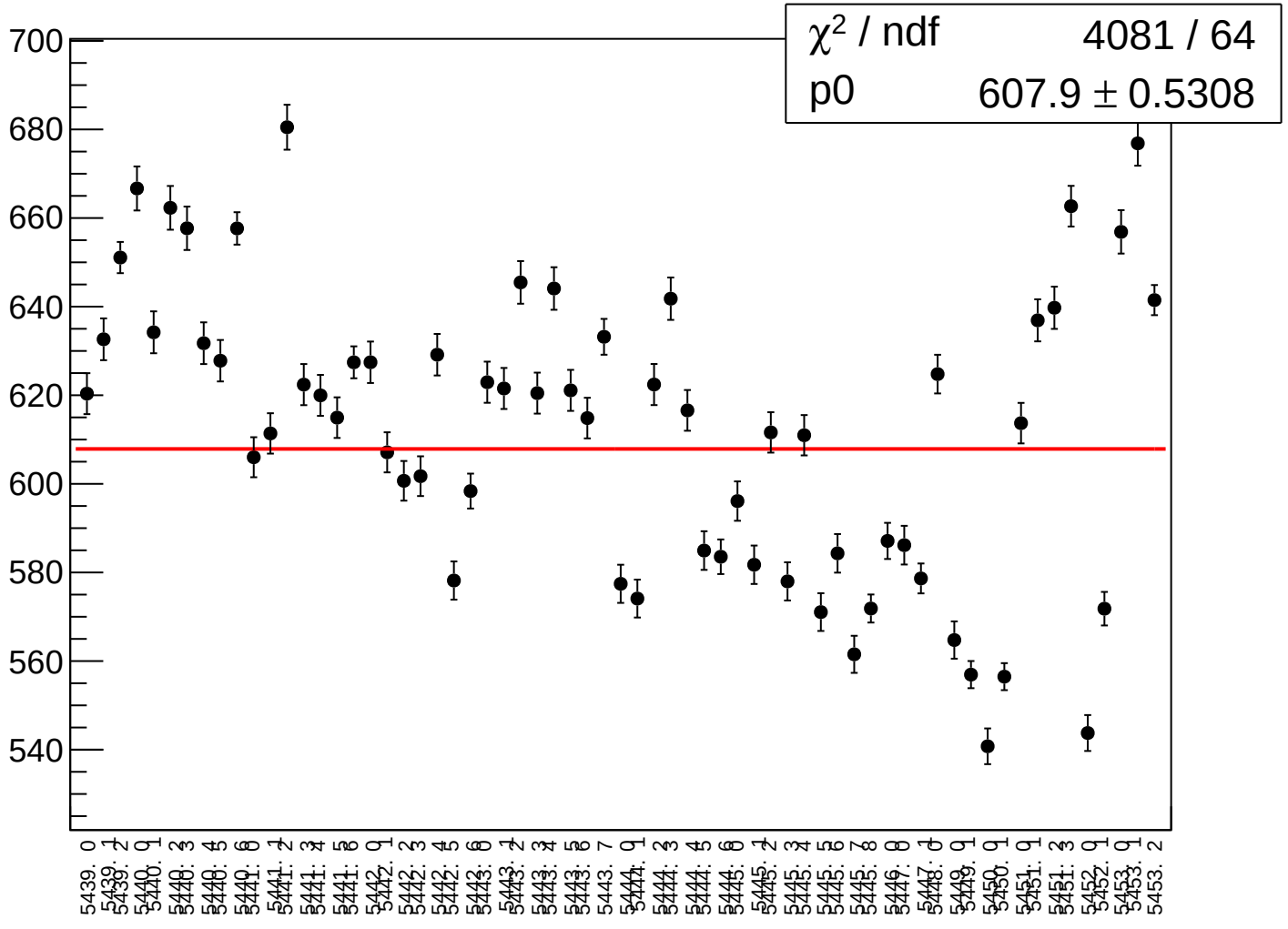

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 4081 / 64
p0 607.9 ± 0.5308
700
680
660
640
620
600
580
560
540

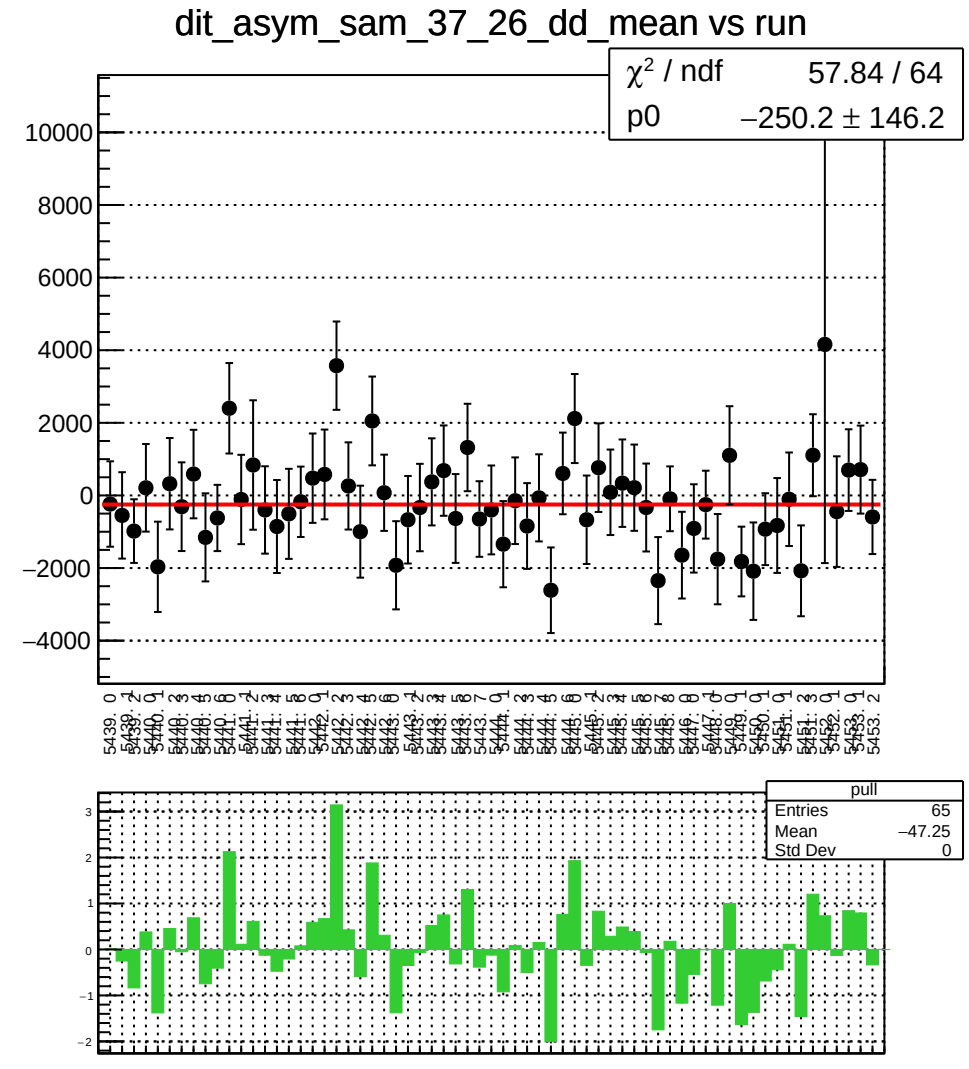

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 52.33 / 64
p0 −140 ± 116.8
pull
Entries 65
Mean 6.981
Std Dev 0
pull1D
Entries 65
Mean 0.02982
Std Dev 0.8967

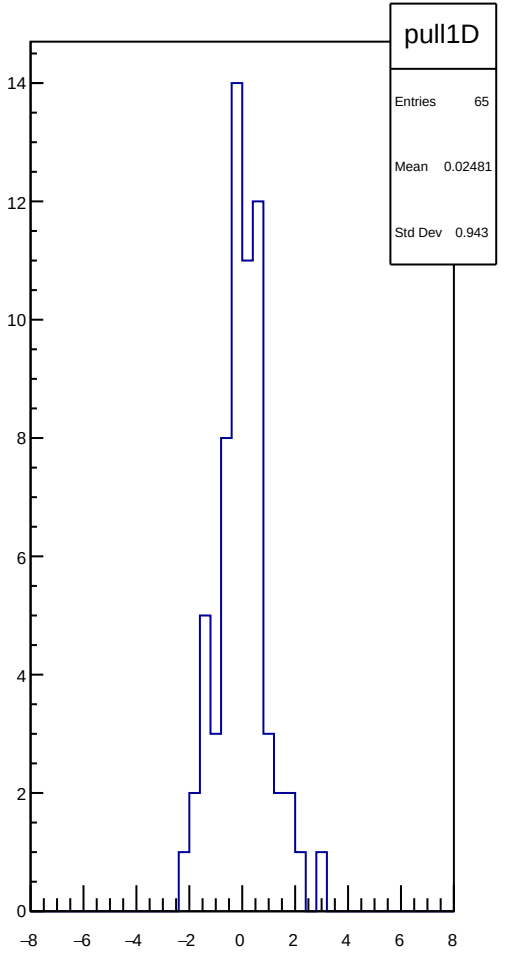

eigen_cor_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.531e+04 / 64
p0 94.15 ± 0.08257
600
500
400
300
200
100

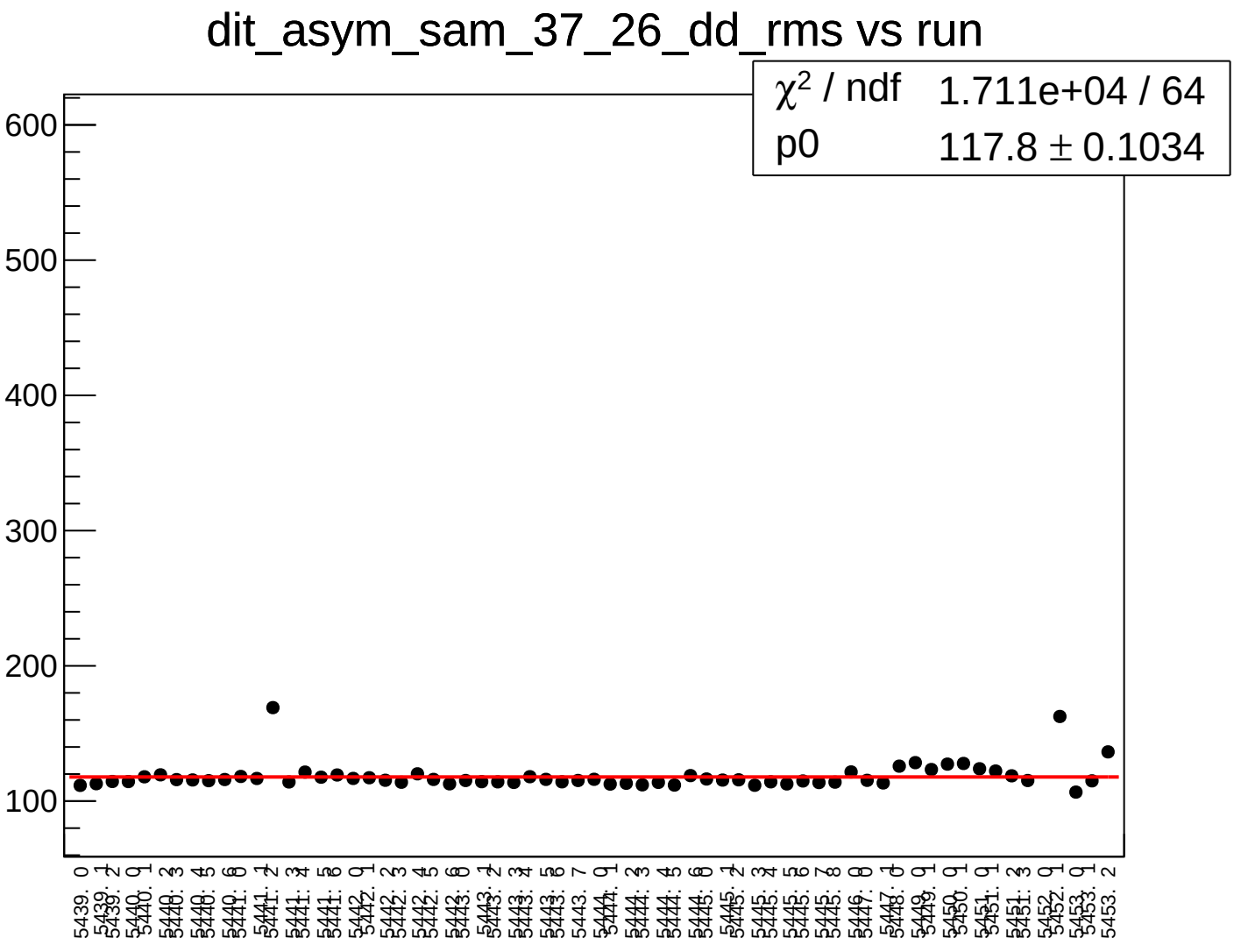

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.86 / 64
p0 910.8 ± 750.7
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −167.4
Std Dev 0
2
1
0
−1
−2

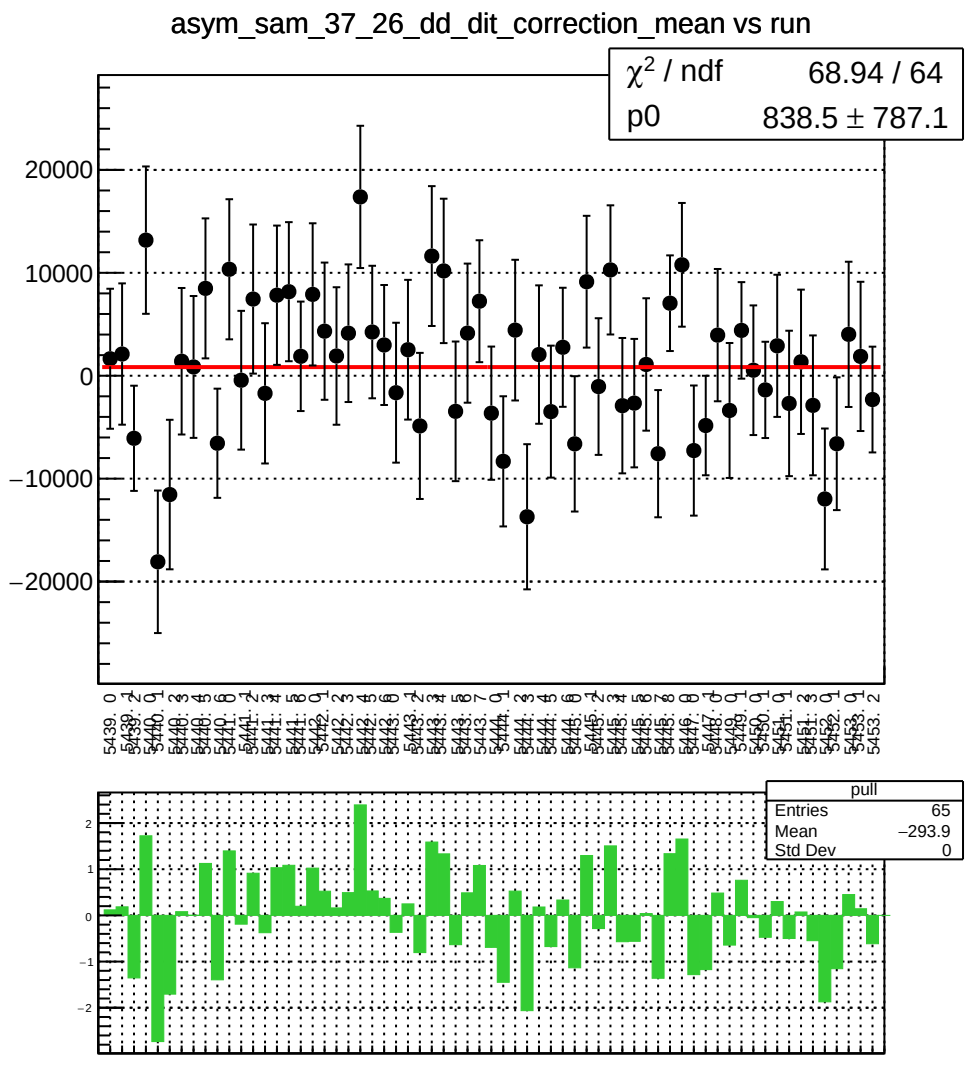

pull1D
Entries 65
Mean 0.01257
Std Dev 1.022
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

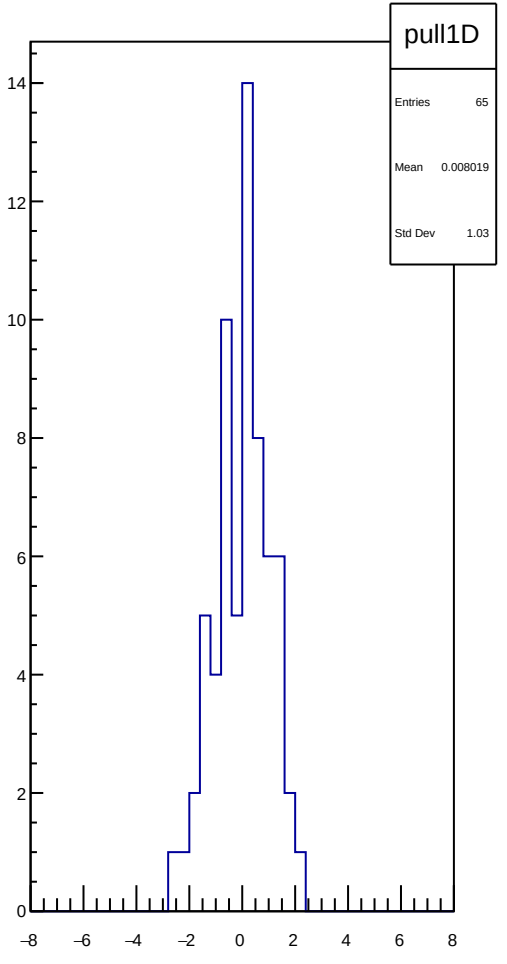

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4081 / 64
p0 607.9 ± 0.5308
700
680
660
640
620
600
580
560
540

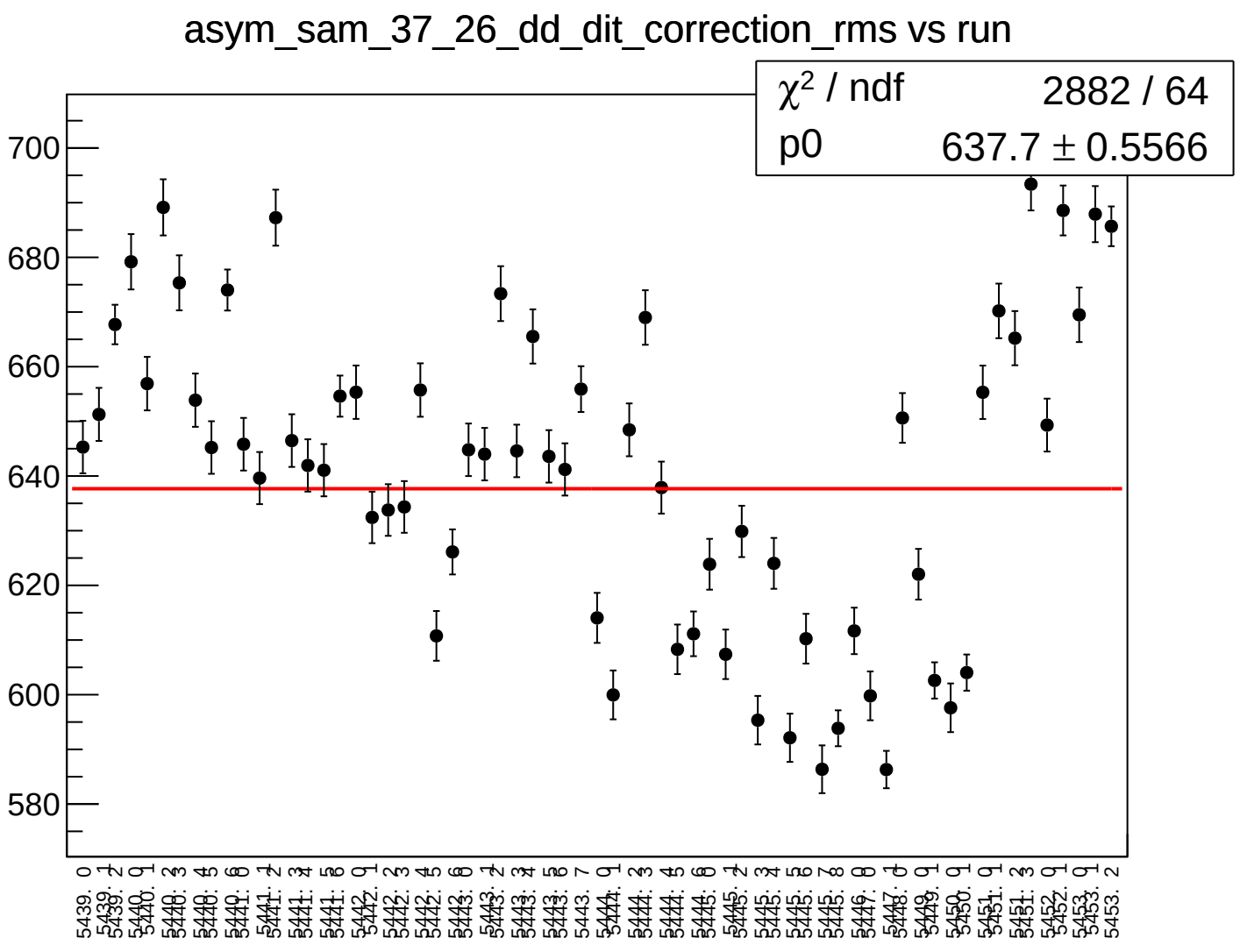

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 57.84 / 64
p0 −250.2 ± 146.2
pull
Entries 65
Mean −47.25
Std Dev 0

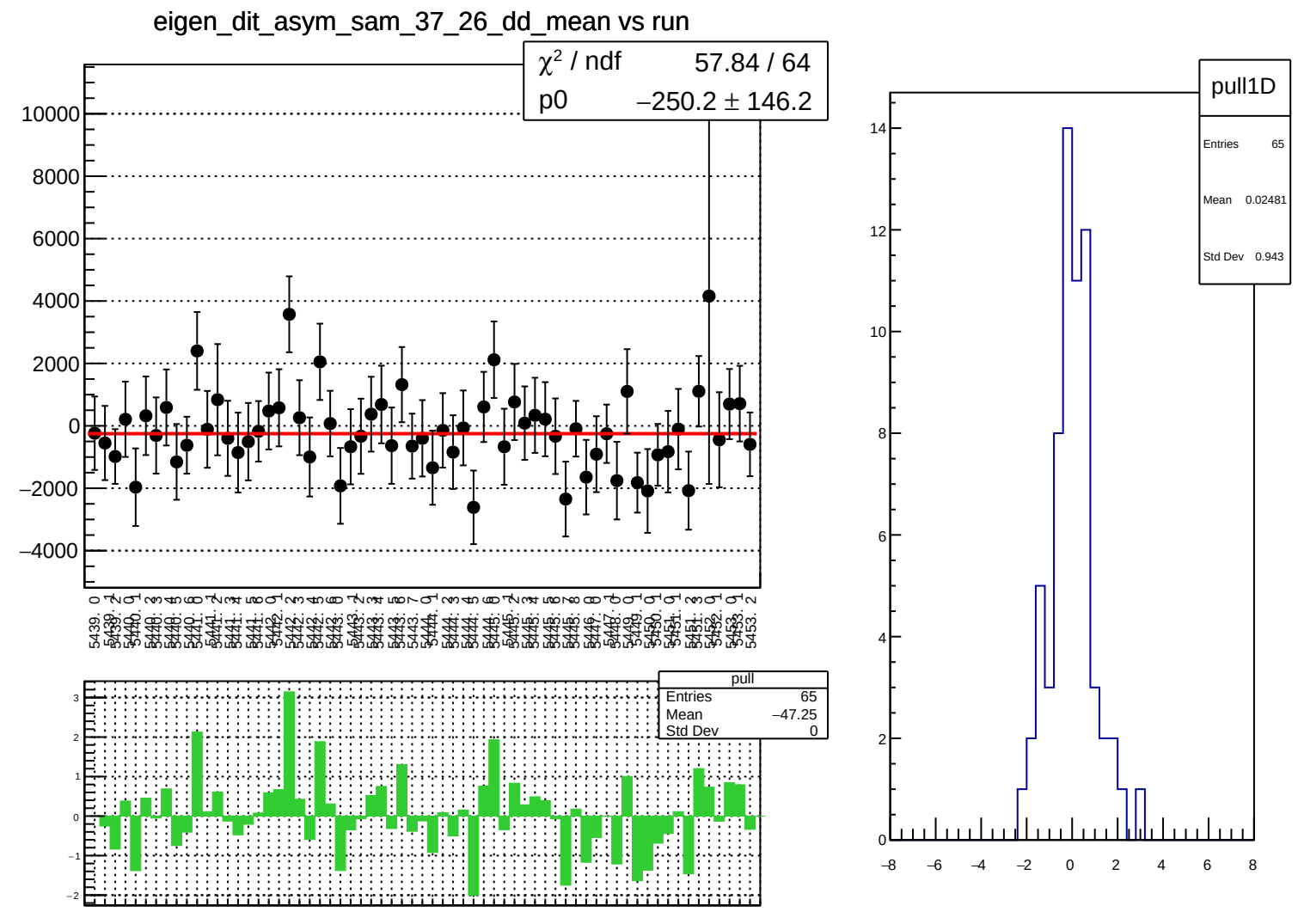

pull1D
Entries 65
Mean 0.02481
Std Dev 0.943

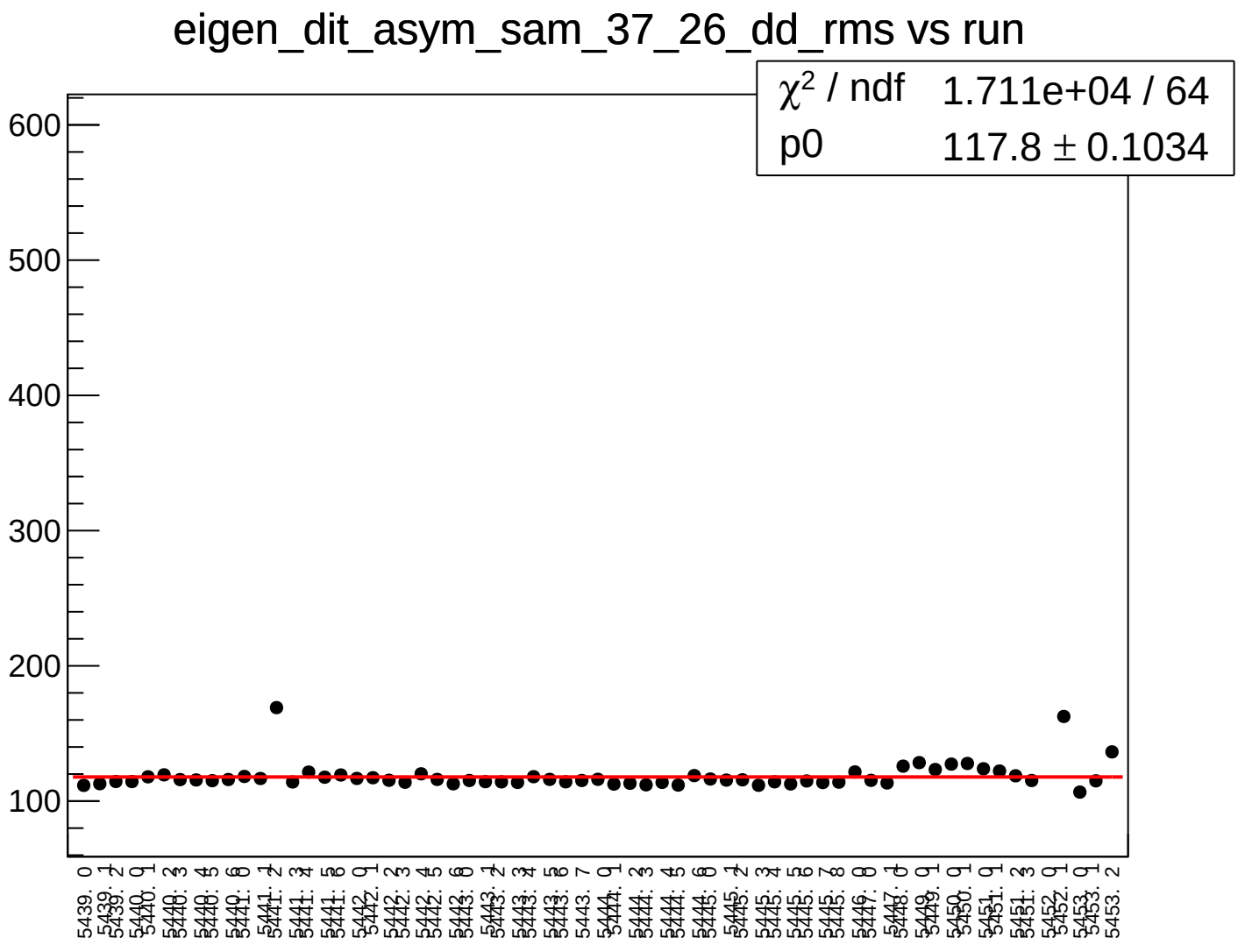

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.711e+04 / 64
p0 117.8 ± 0.1034
600
500
400
300
200
100

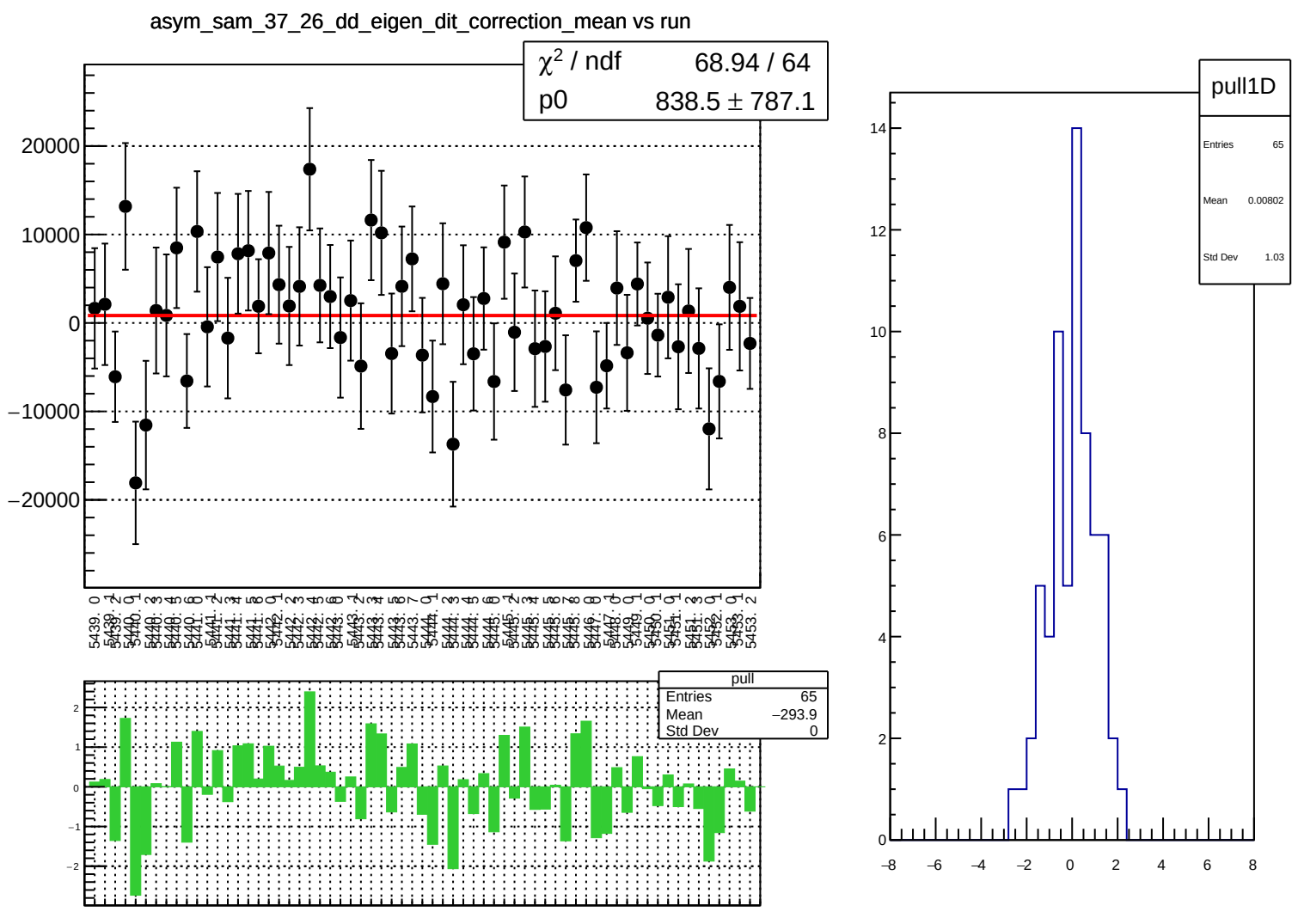

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 68.94 / 64
p0 838.5 ± 787.1
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −293.9
Std Dev 0
2
1
0
−1
−2

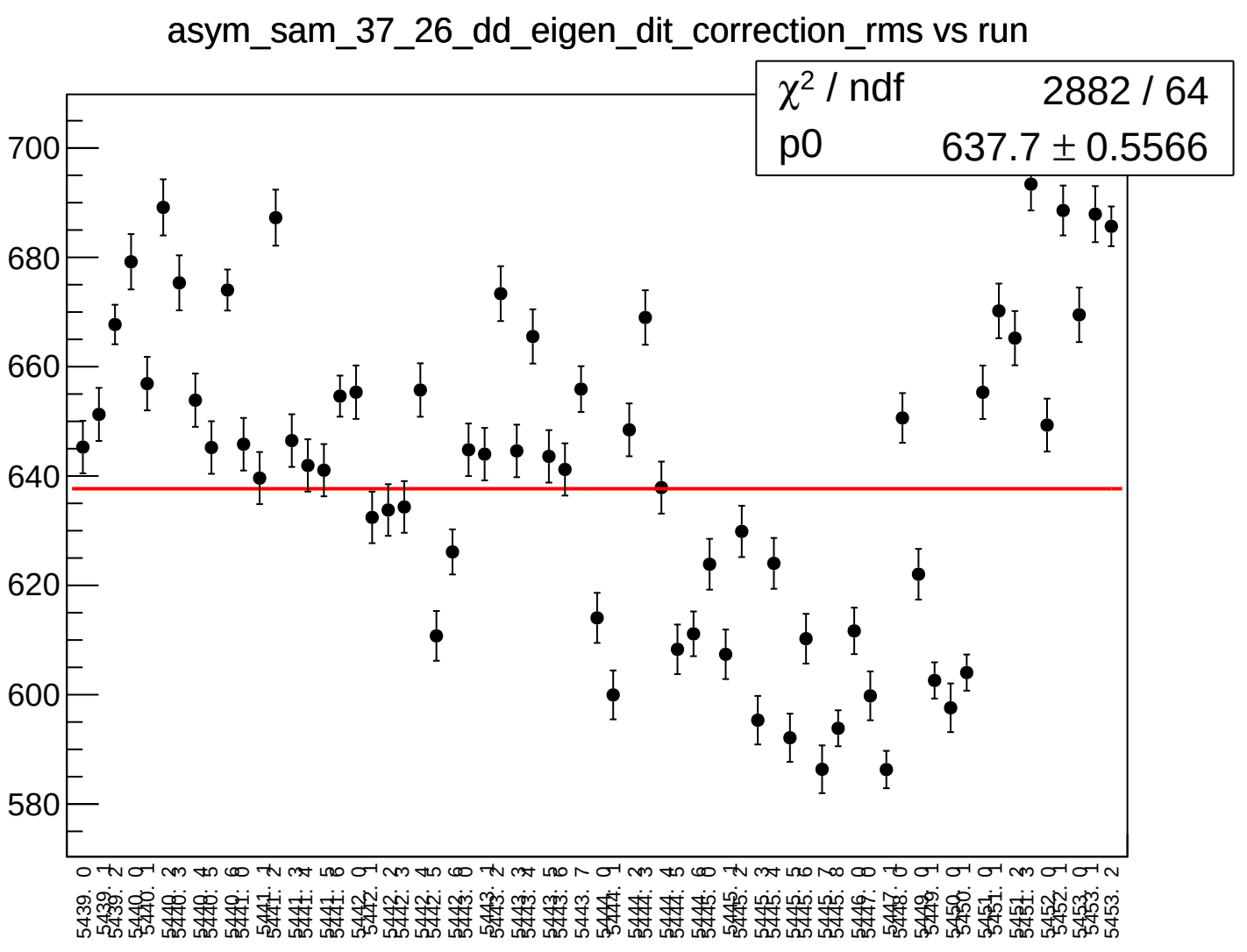

pull1D
Entries 65
Mean 0.008019
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

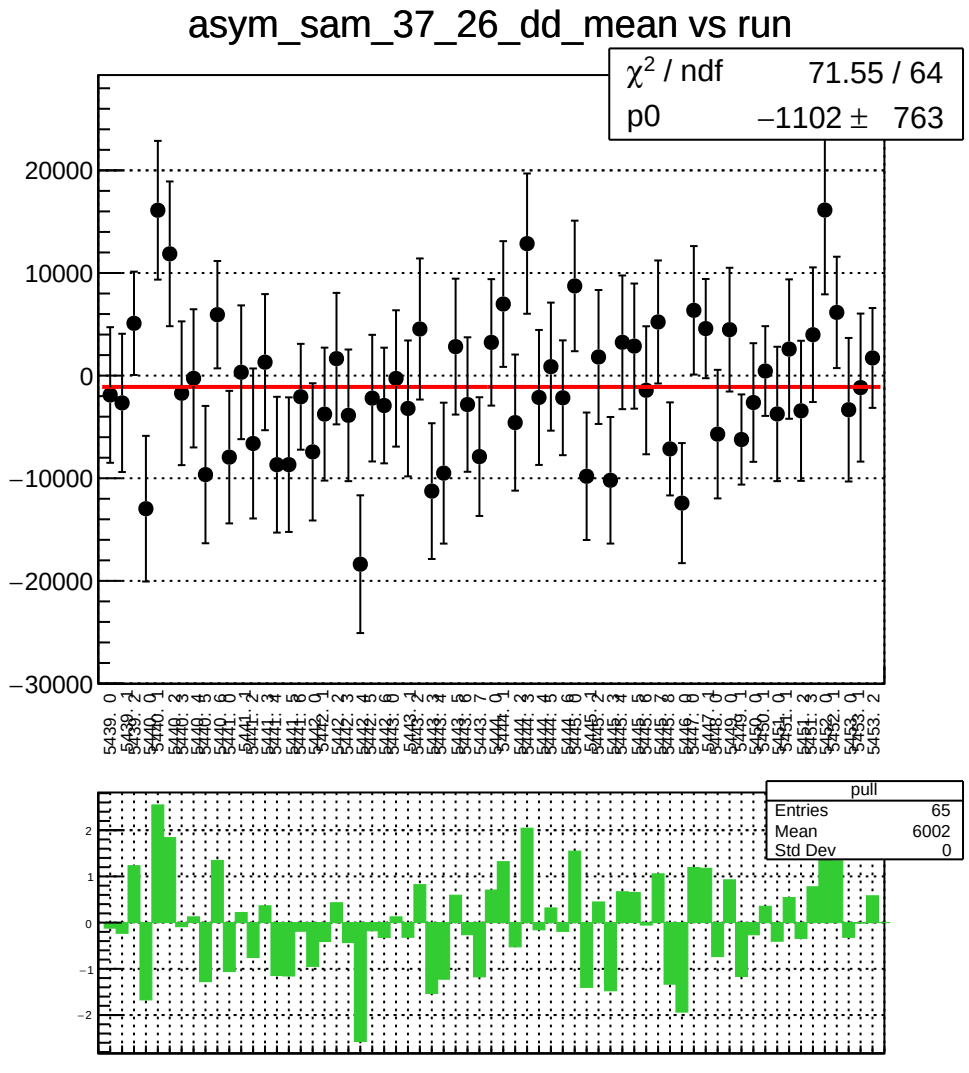

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 2882 / 64
p0 637.7 ± 0.5566
700
680
660
640
620
600
580

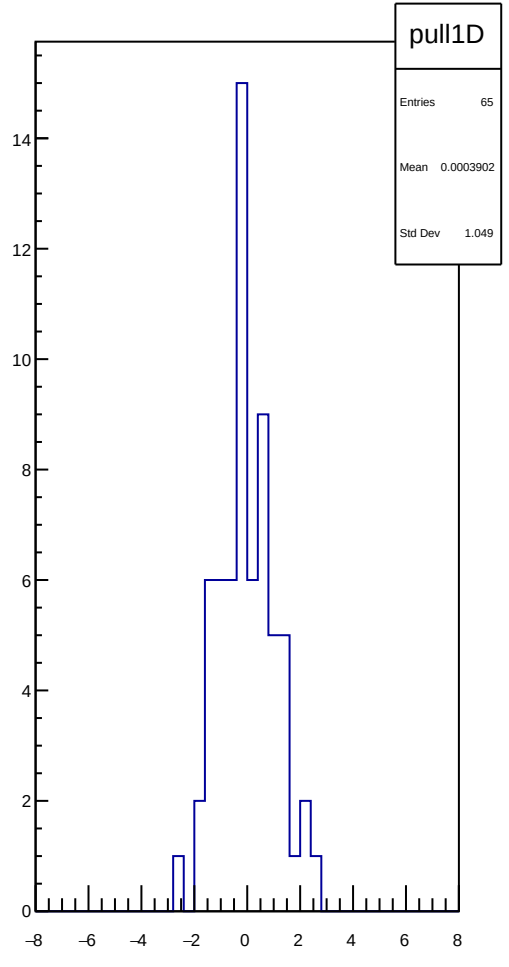

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 57.84 / 64
p0 −250.2 ± 146.2
pull
Entries 65
Mean −47.25
Std Dev 0
pull1D
Entries 65
Mean 0.02481
Std Dev 0.943

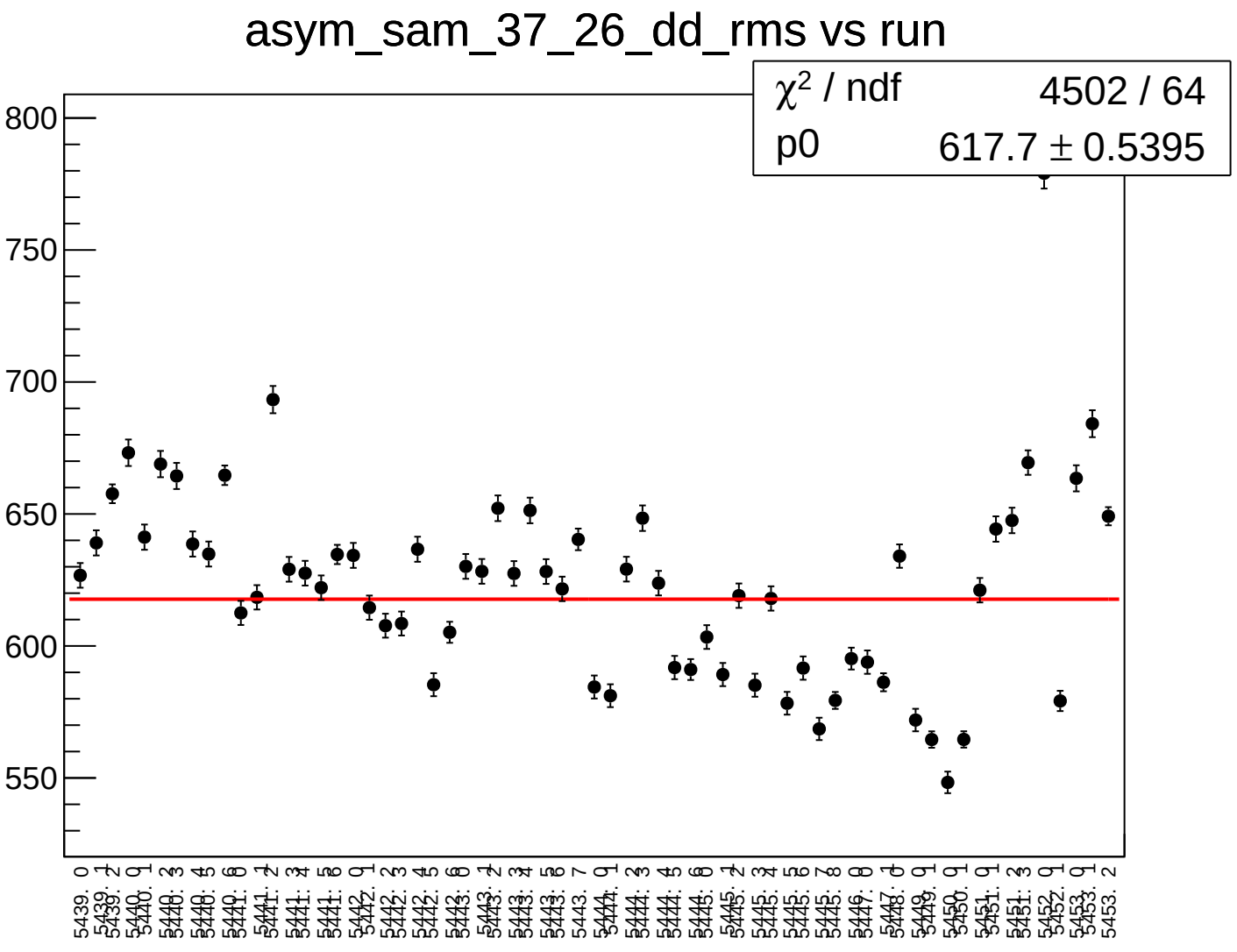

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.711e+04 / 64
p0 117.8 ± 0.1034
600
500
400
300
200
100

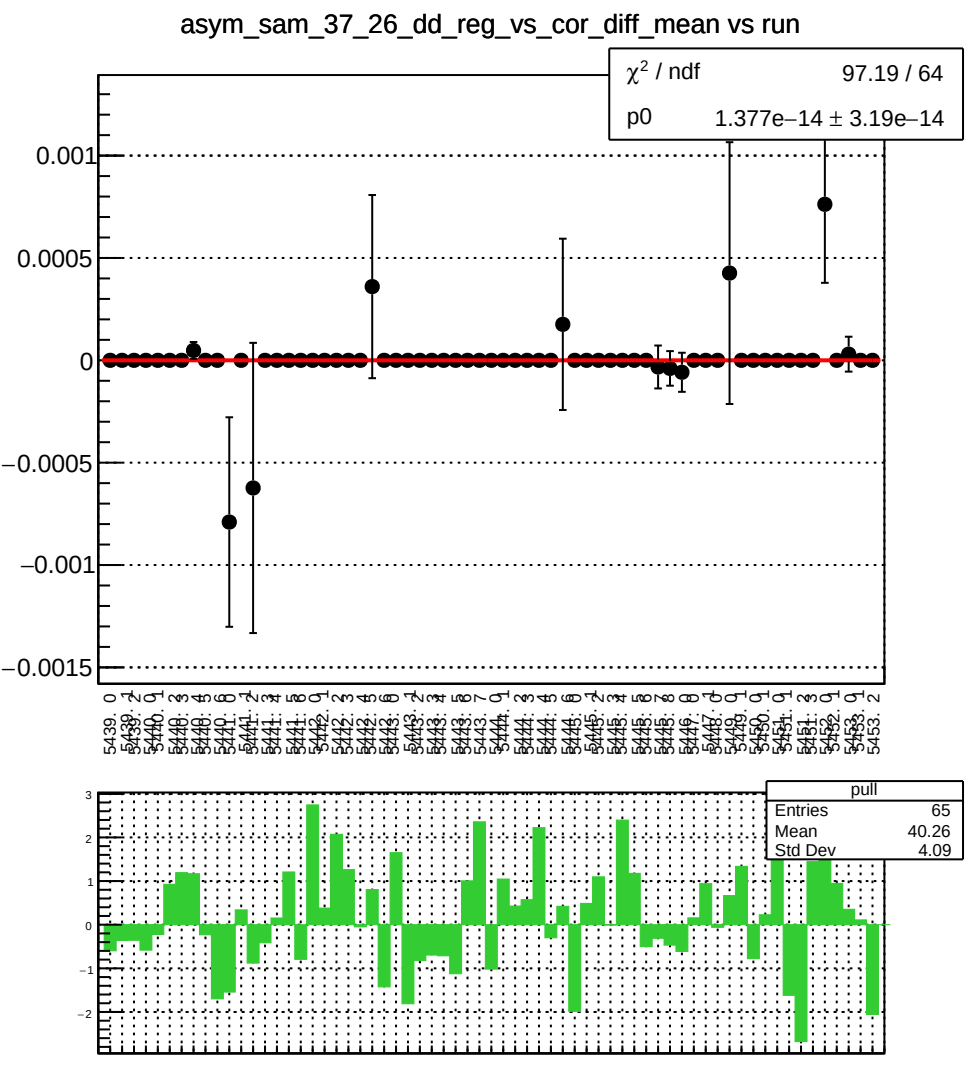

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.94 / 64
p0 838.5 ± 787.1
20000
10000
0
−10000
−20000
pull
Entries 65
Mean −293.9
Std Dev 0
pull1D
Entries 65
Mean 0.00802
Std Dev 1.03

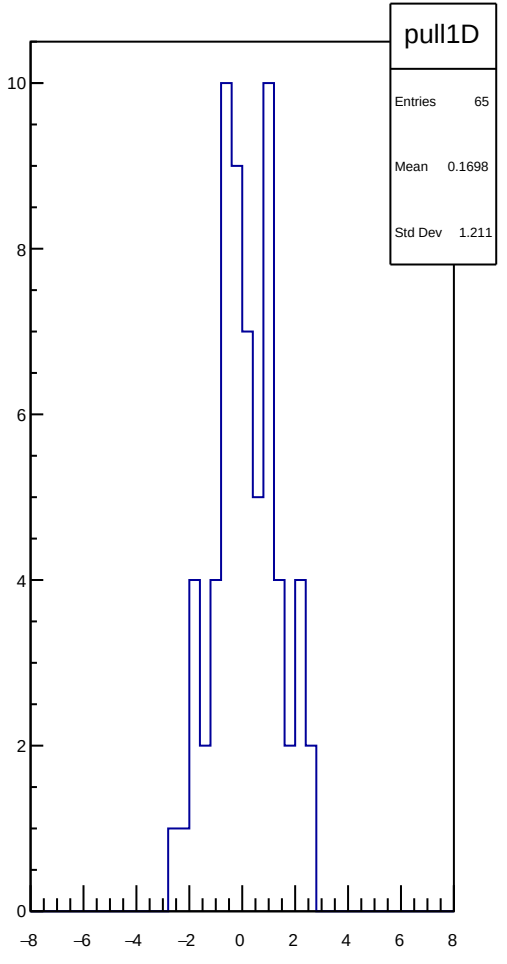

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2882 / 64
p0 637.7 ± 0.5566
700
680
660
640
620
600
580

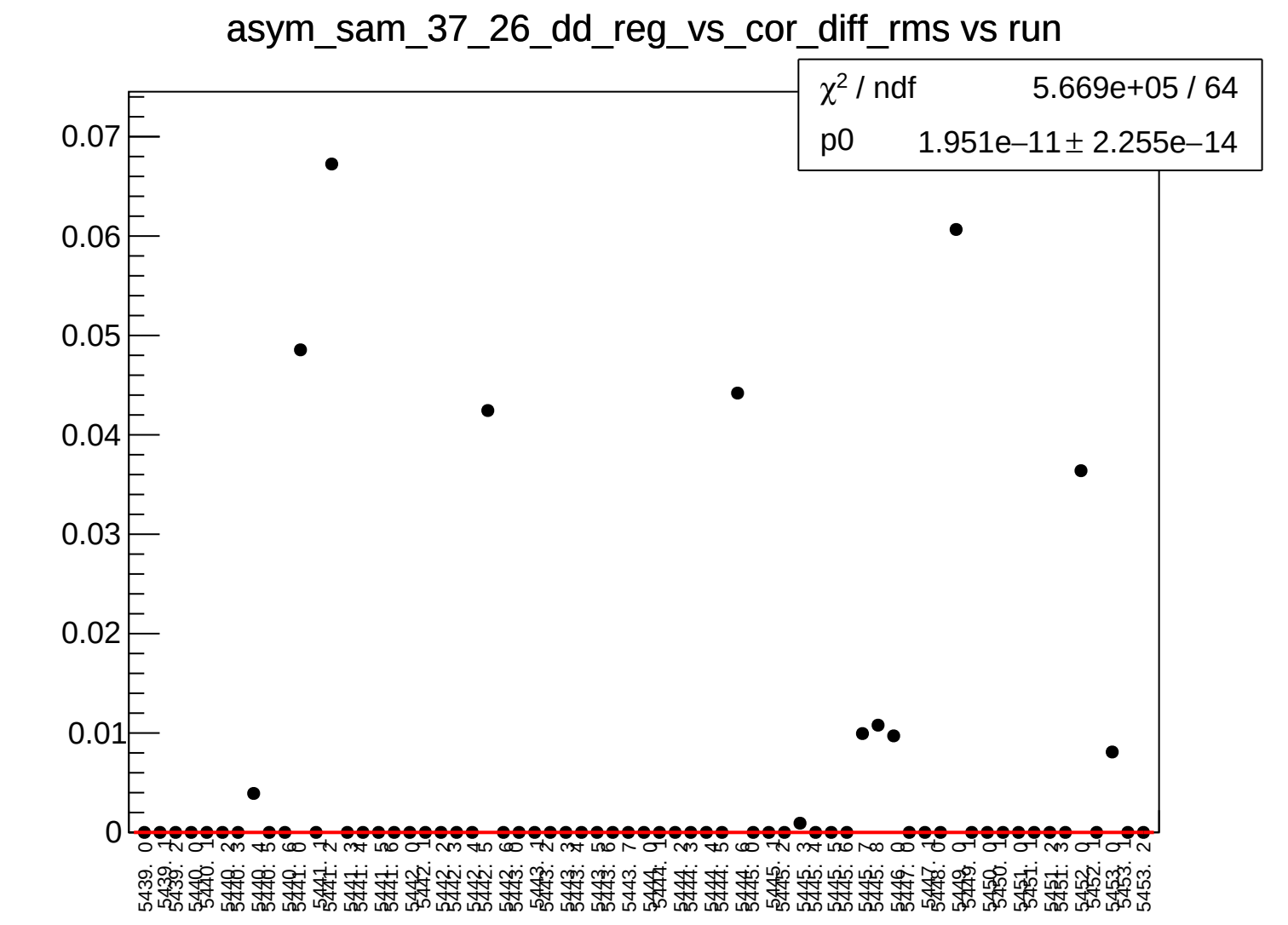

asym_sam_37_26_dd_mean vs run
χ² / ndf 71.55 / 64
p0 −1102 ± 763
pull
Entries 65
Mean 6002
Std Dev 0

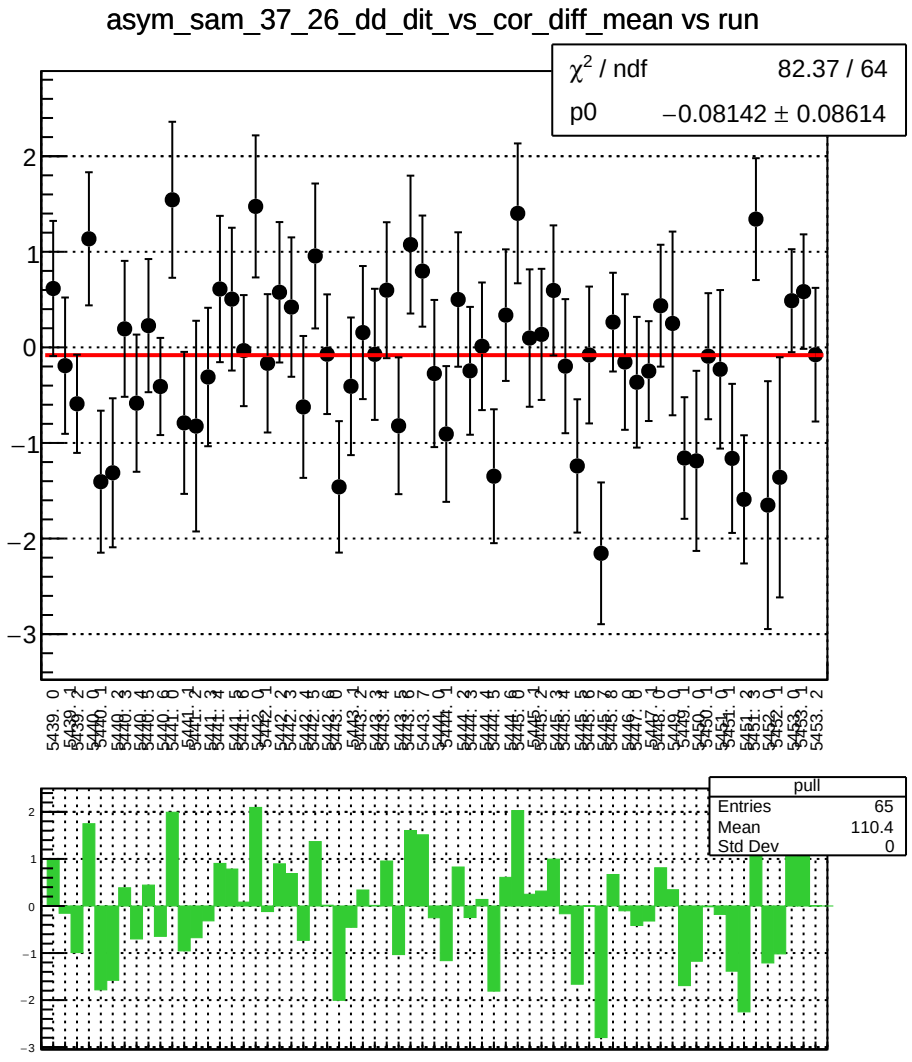

pull1D
Entries 65
Mean 0.0003902
Std Dev 1.049

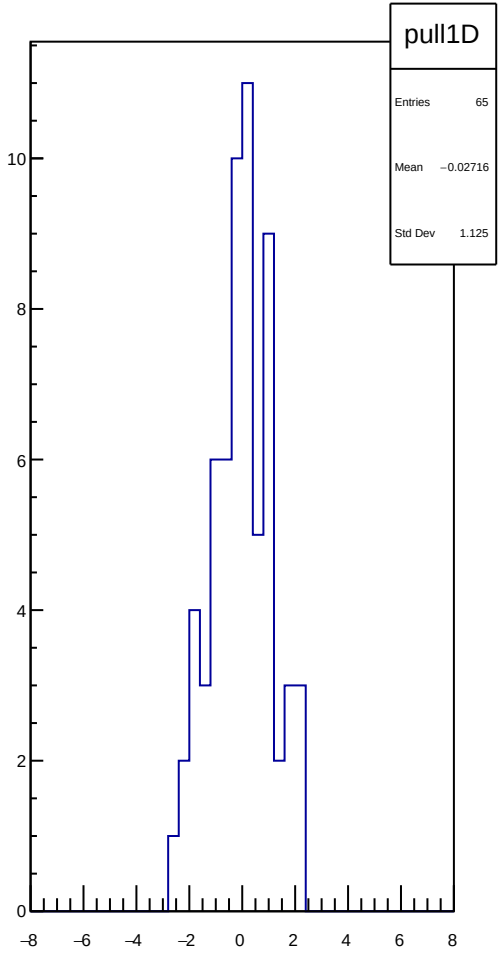

asym_sam_37_26_dd_rms vs run
χ² / ndf 4502 / 64
p0 617.7 ± 0.5395
800
750
700
650
600
550

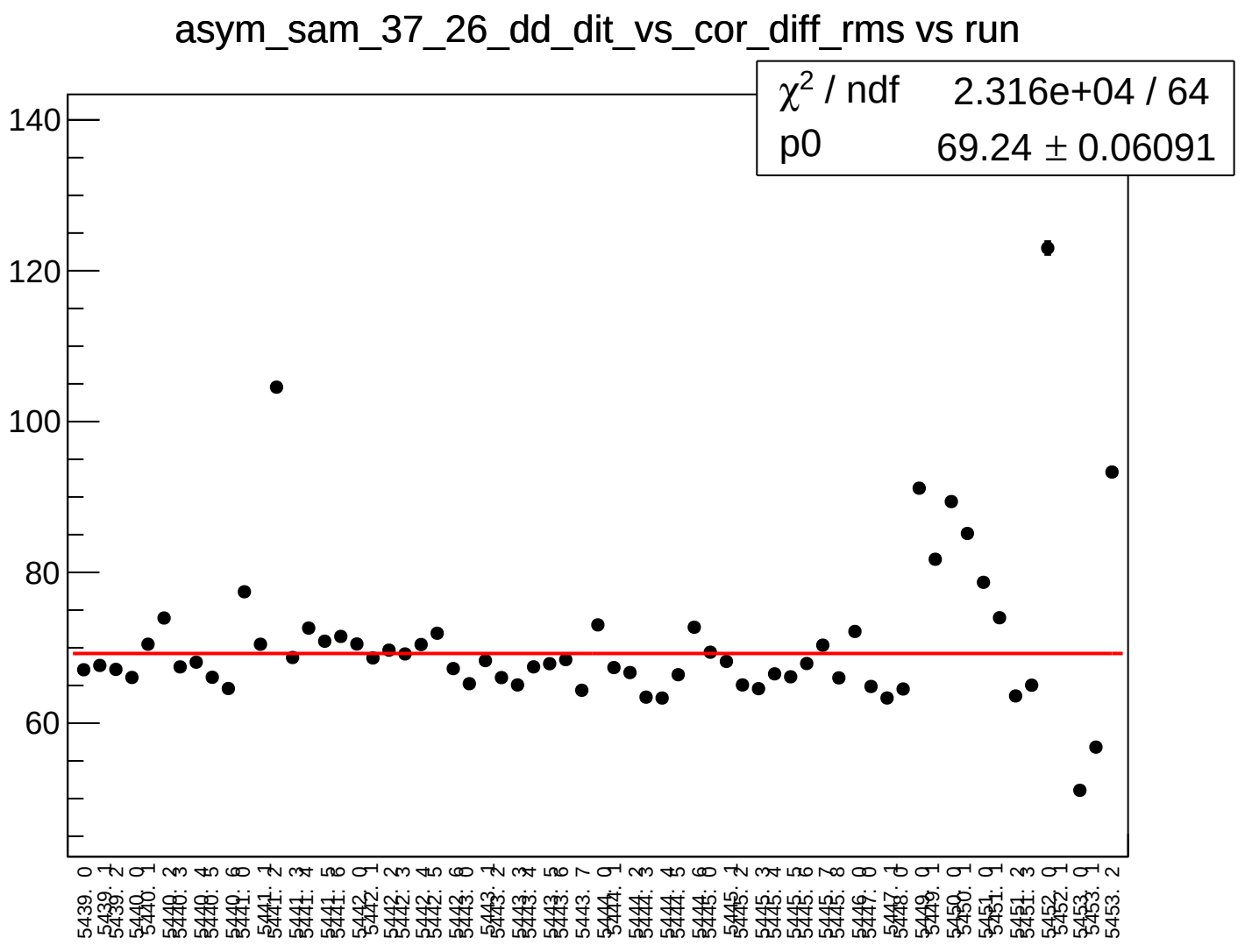

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.19 / 64
p0 1.377e−14 ± 3.19e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 40.26
Std Dev 4.09
3
2
1
0
−1
−2

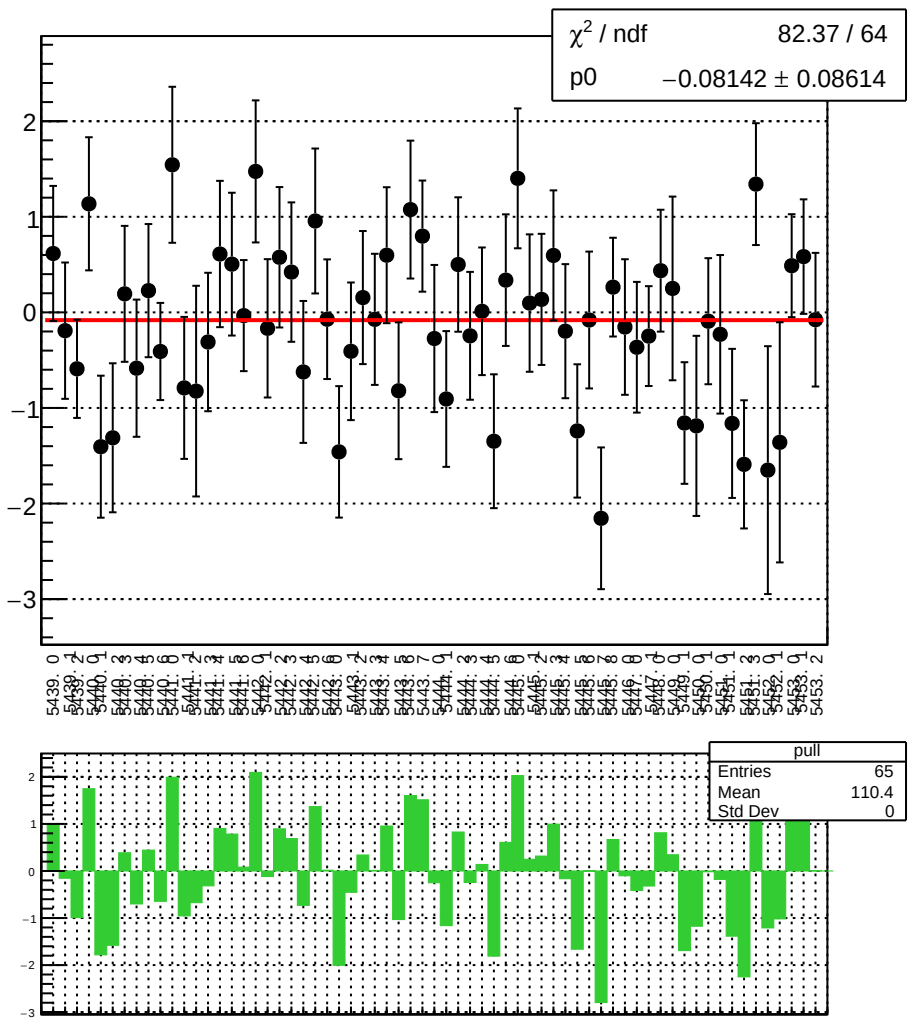

pull1D
Entries 65
Mean 0.1698
Std Dev 1.211
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

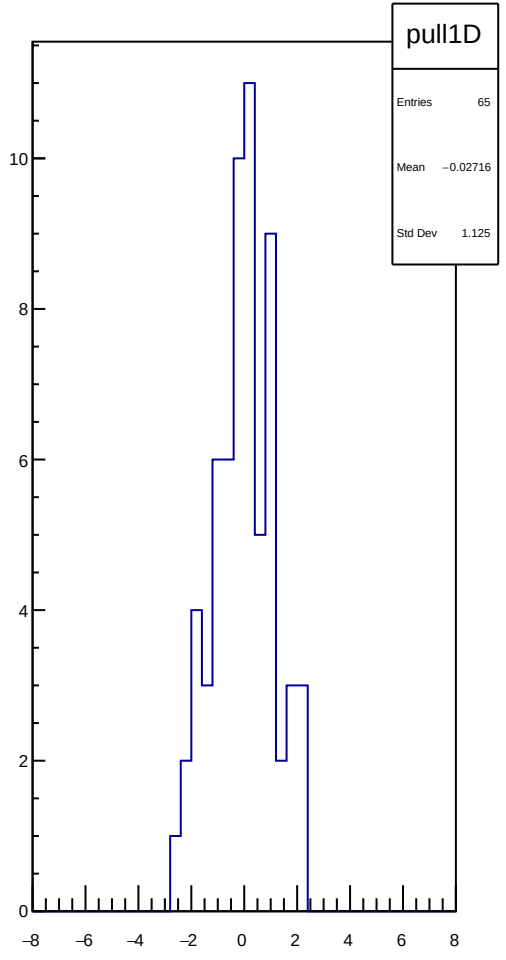

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.669e+05 / 64
p0 1.951e−11 ± 2.255e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

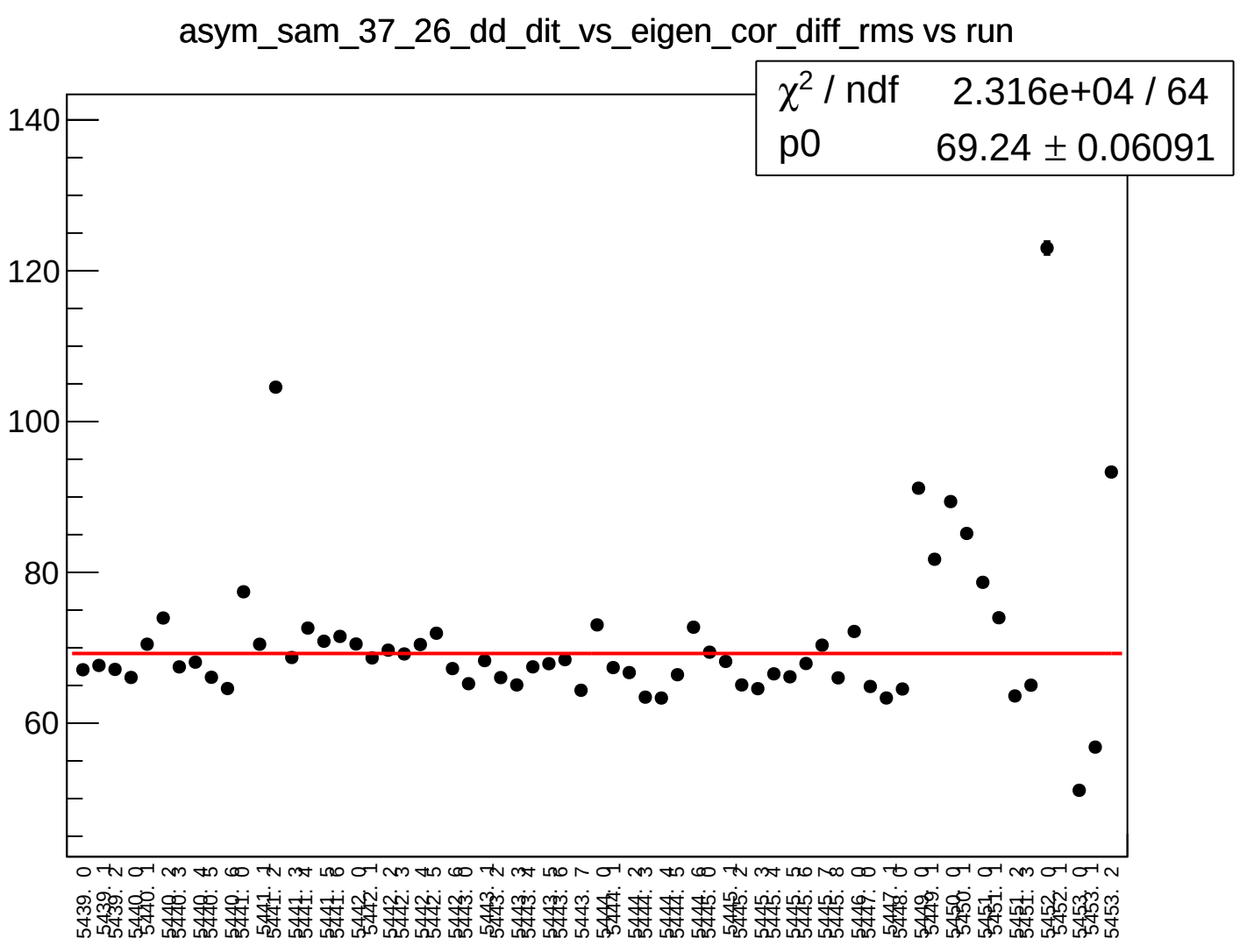

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.37 / 64
p0 −0.08142 ± 0.08614
pull
Entries 65
Mean 110.4
Std Dev 0

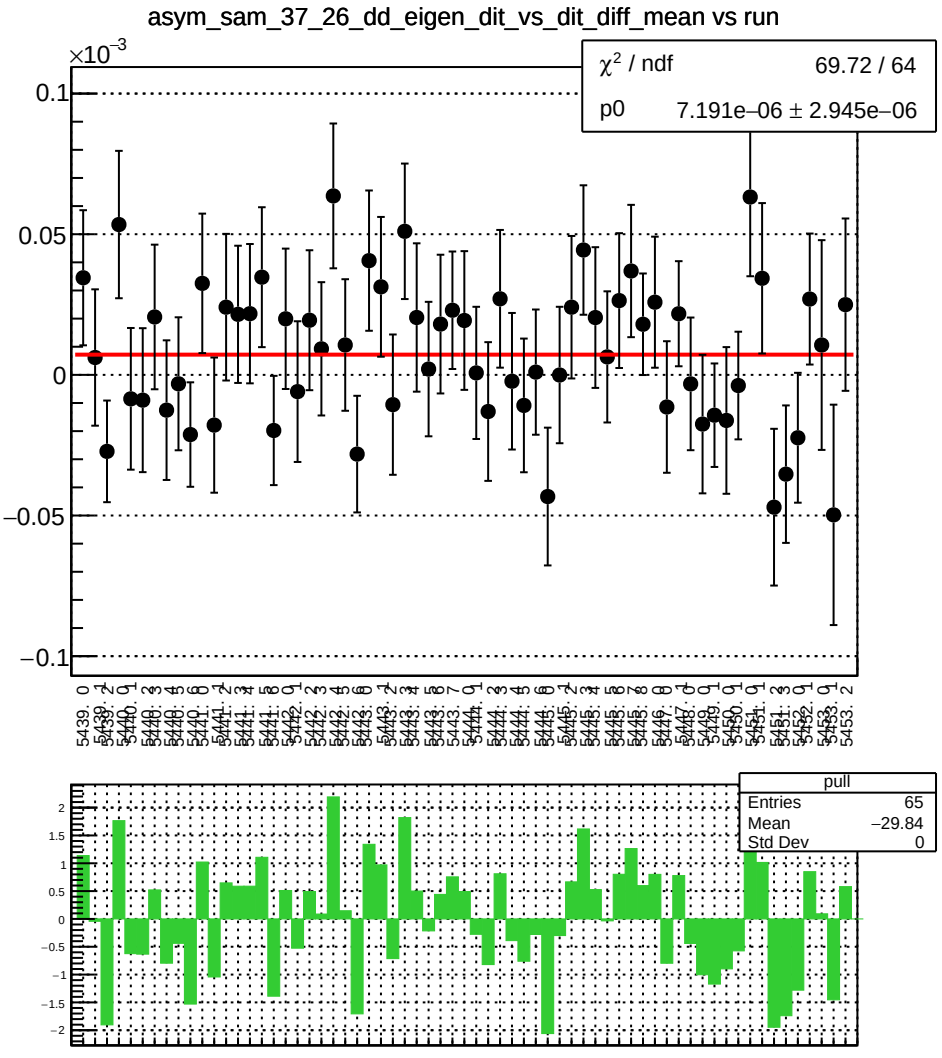

pull1D
Entries 65
Mean −0.02716
Std Dev 1.125

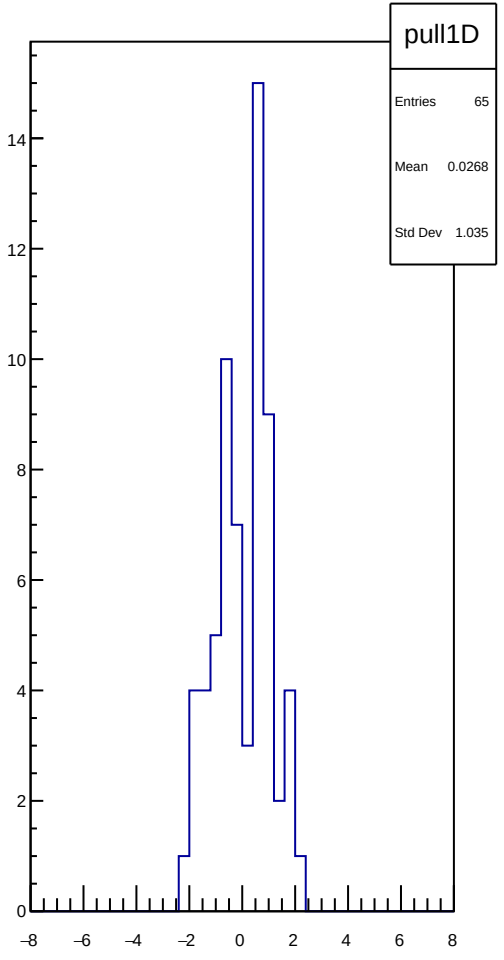

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.316e+04 / 64
p0 69.24 ± 0.06091
140
120
100
80
60

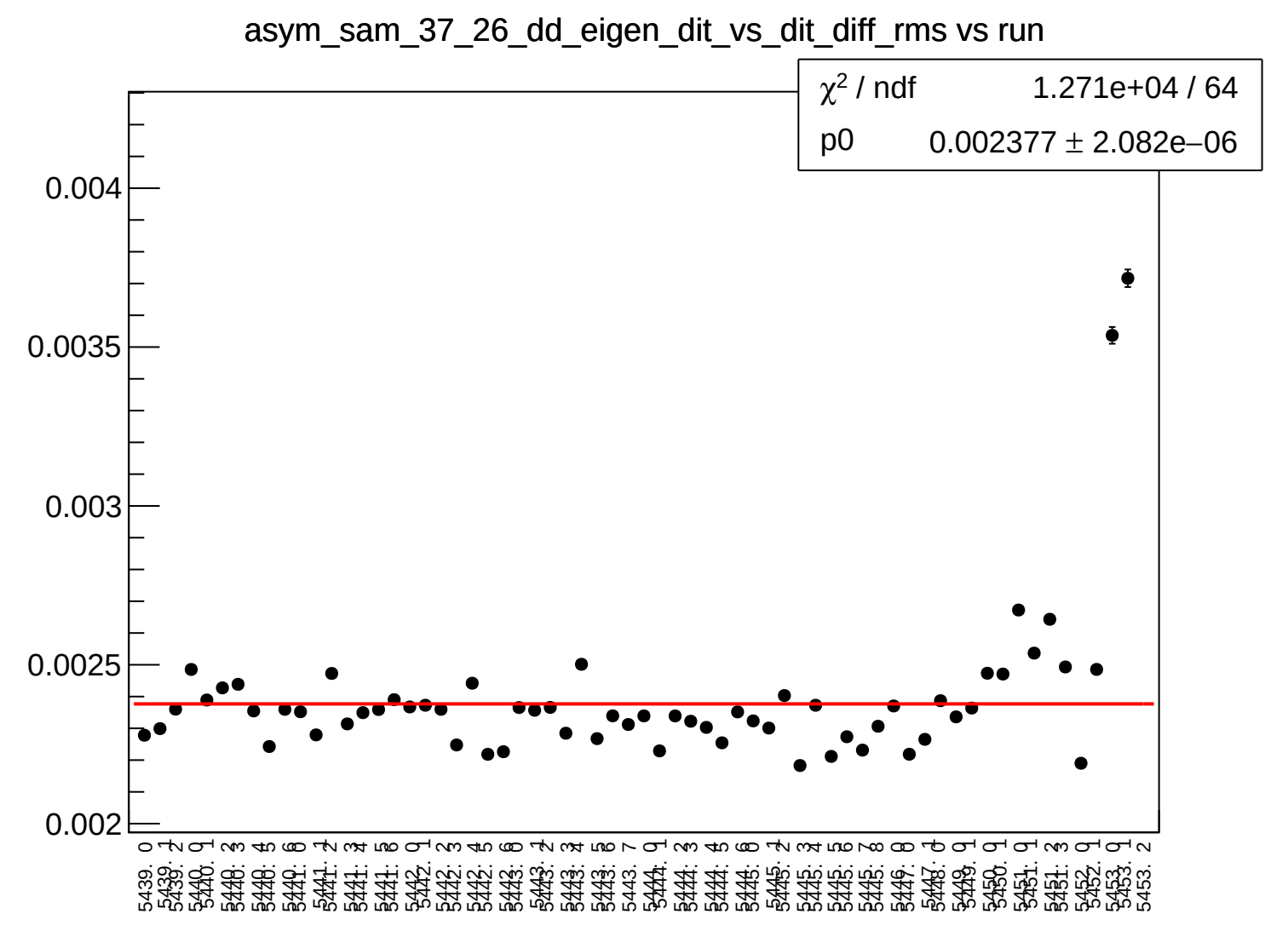

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.37 / 64
p0 −0.08142 ± 0.08614
pull
Entries 65
Mean 110.4
Std Dev 0

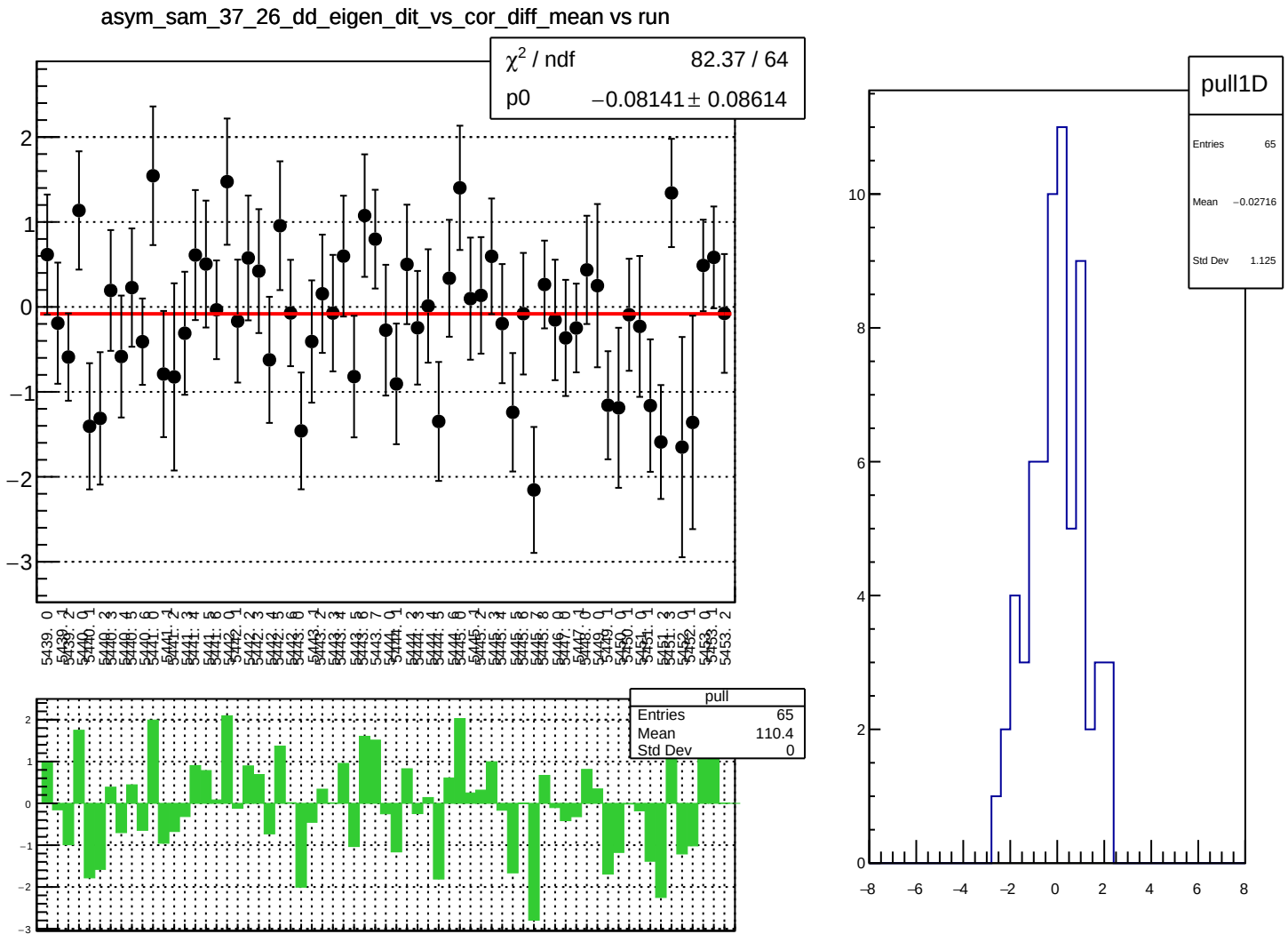

pull1D
Entries 65
Mean −0.02716
Std Dev 1.125

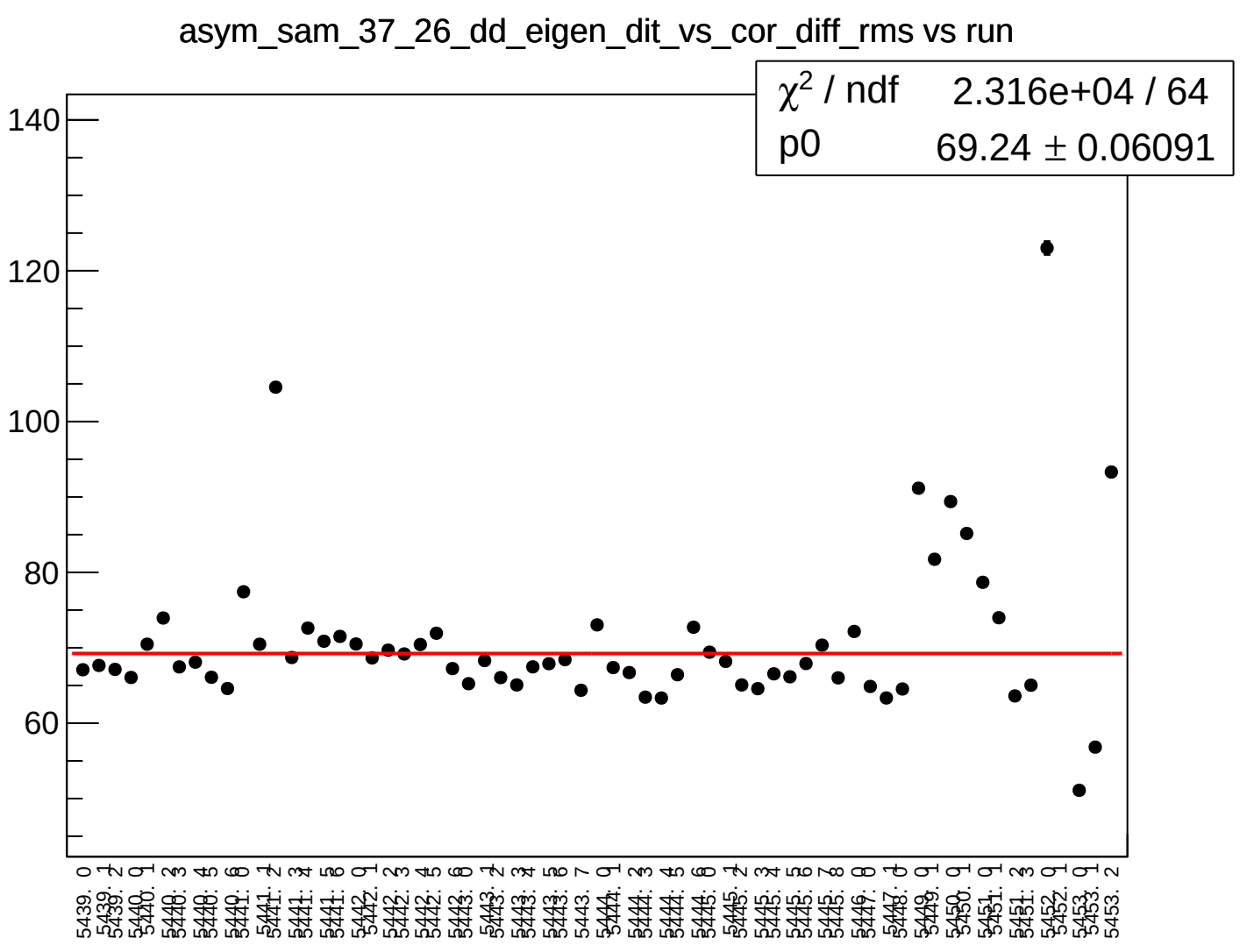

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.316e+04 / 64
p0 69.24 ± 0.06091
140
120
100
80
60

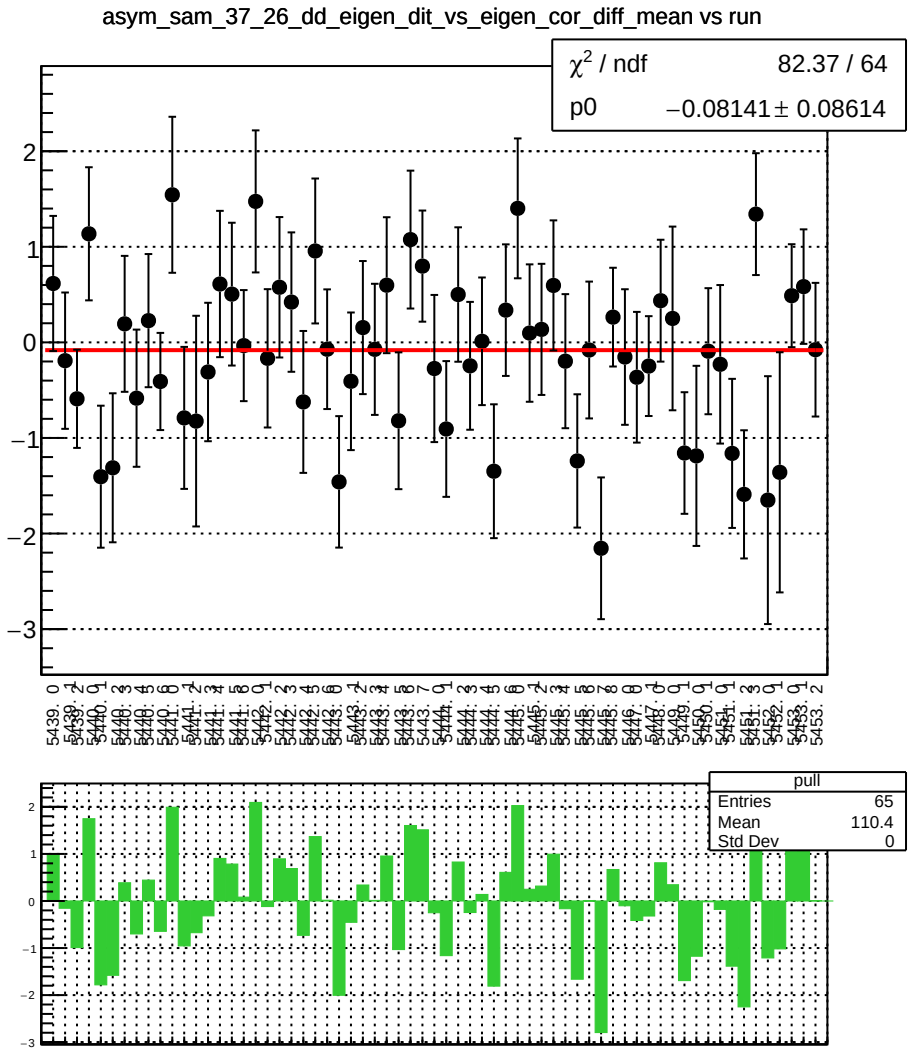

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.72 / 64
p0 7.191e−06 ± 2.945e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 65
Mean −29.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

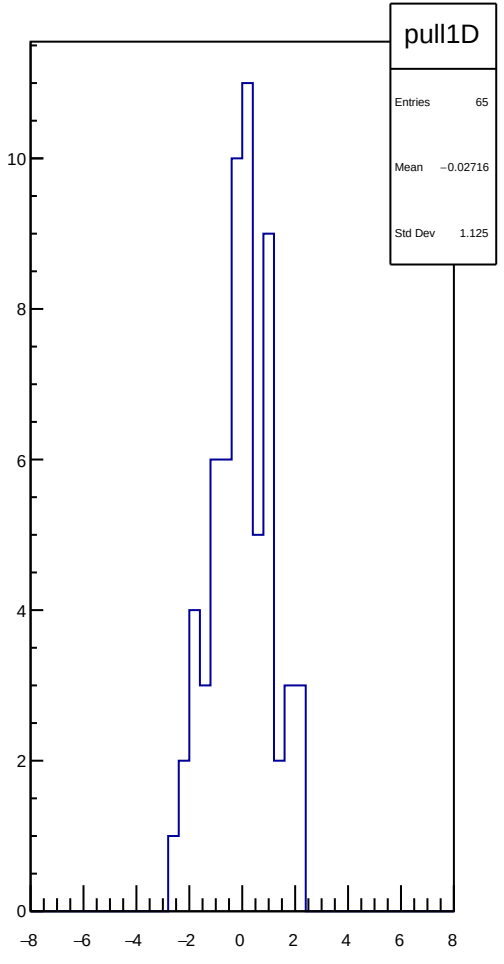

pull1D
Entries 65
Mean 0.0268
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

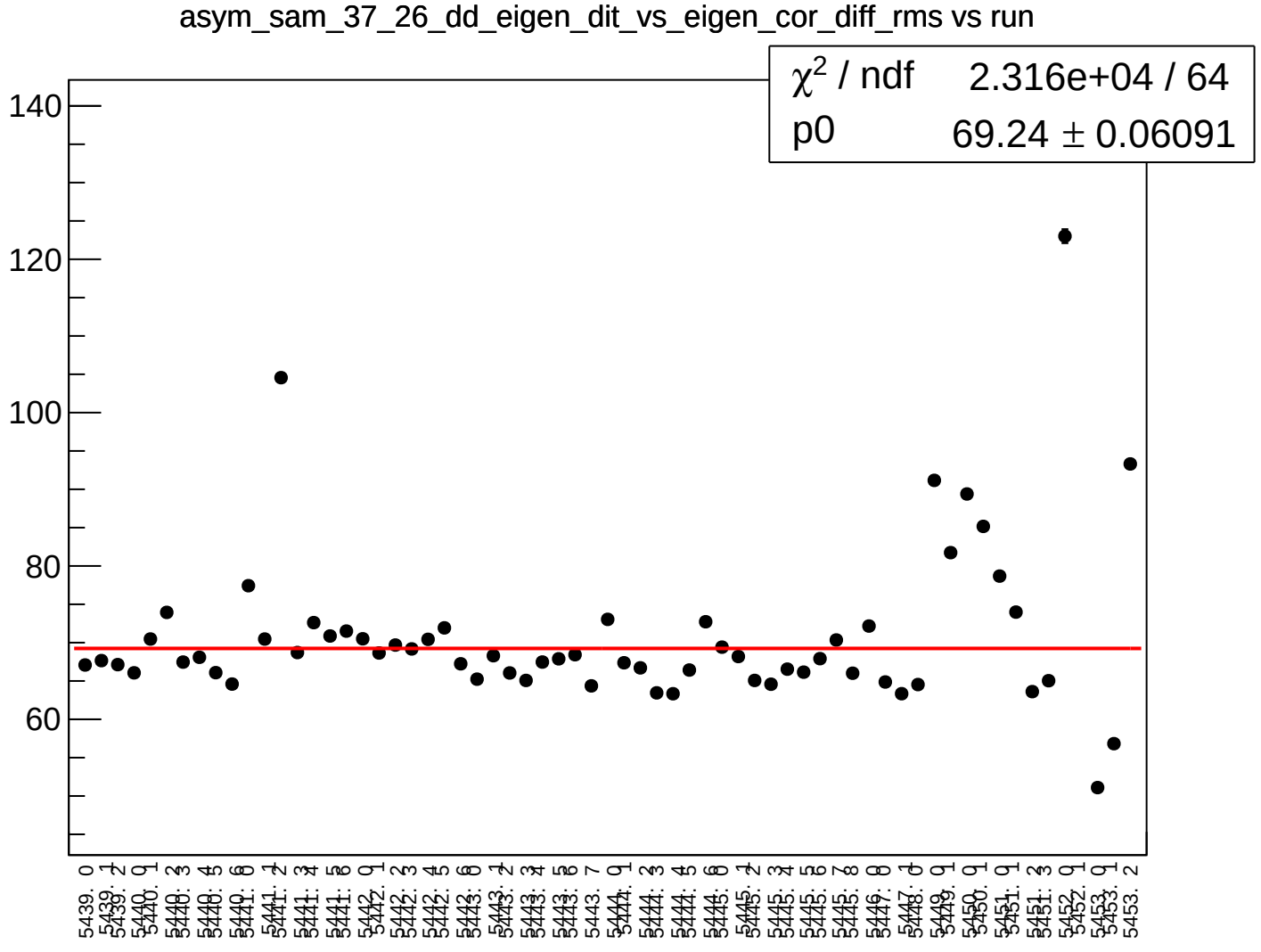

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.271e+04 / 64
p0 0.002377 ± 2.082e−06
0.004
0.0035
0.003
0.0025
0.002

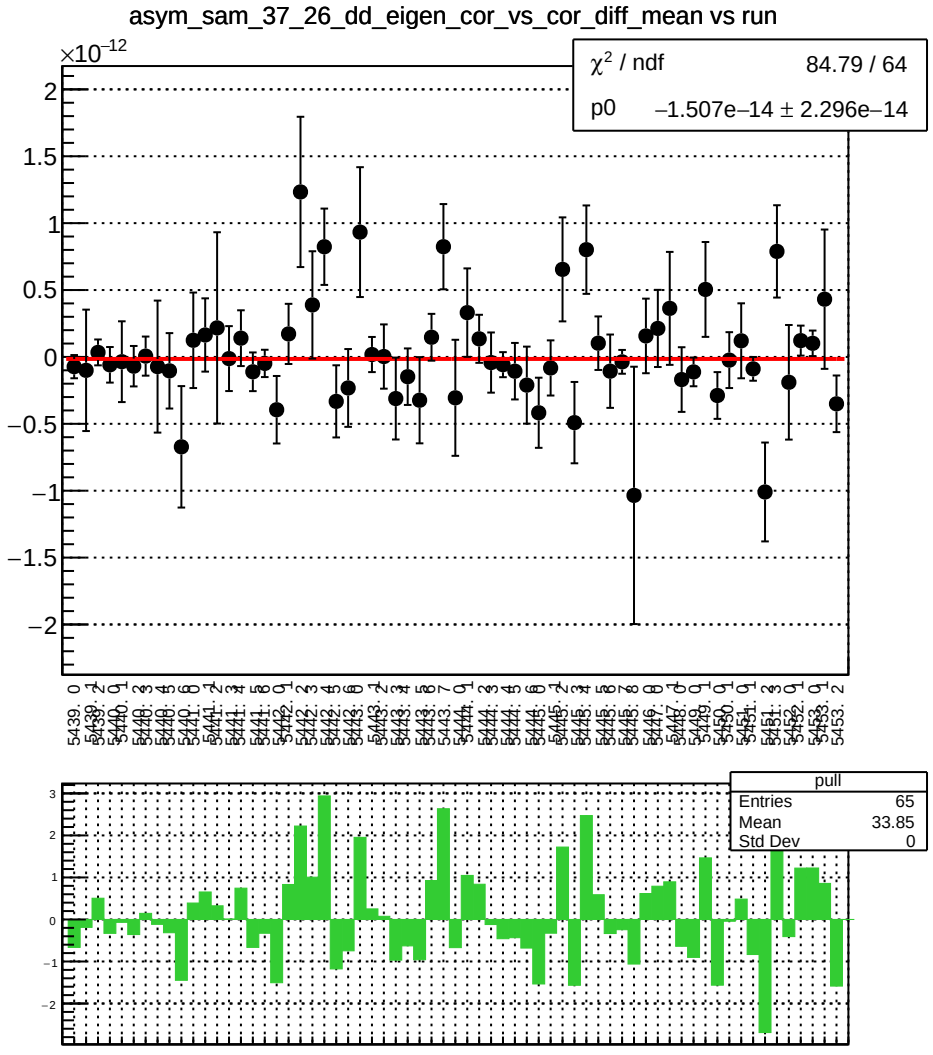

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.37 / 64
p0 −0.08141 ± 0.08614
pull
Entries 65
Mean 110.4
Std Dev 0
pull1D
Entries 65
Mean −0.02716
Std Dev 1.125

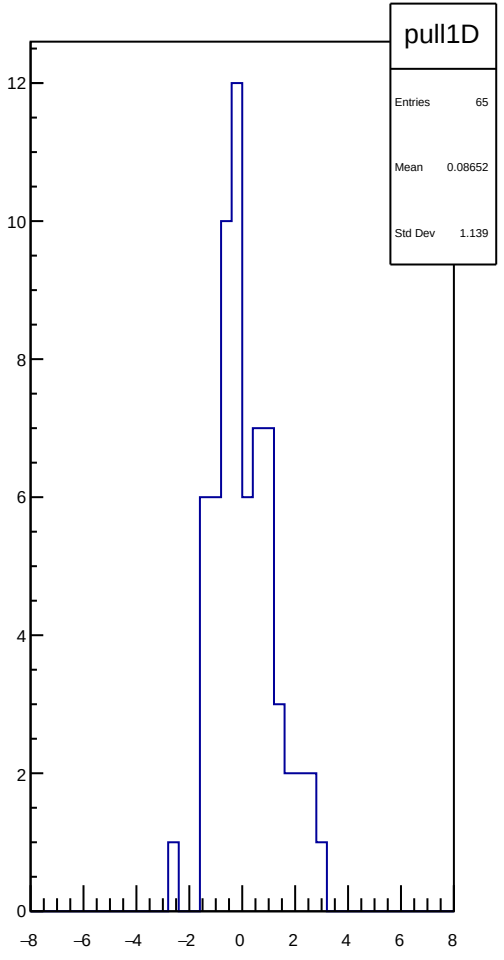

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.316e+04 / 64
p0 69.24 ± 0.06091
140
120
100
80
60

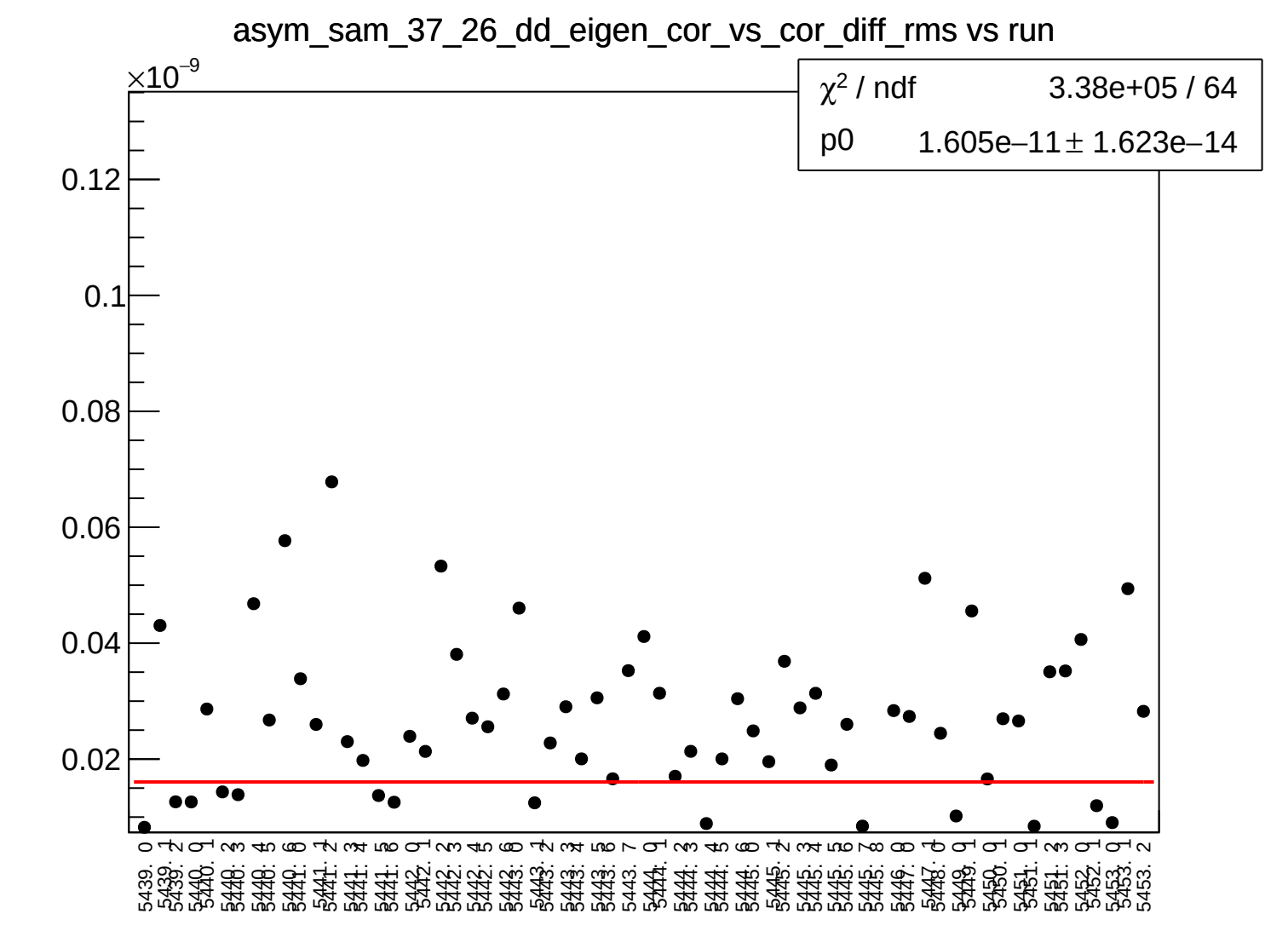

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.37 / 64
p0 −0.08141 ± 0.08614
pull
Entries 65
Mean 110.4
Std Dev 0

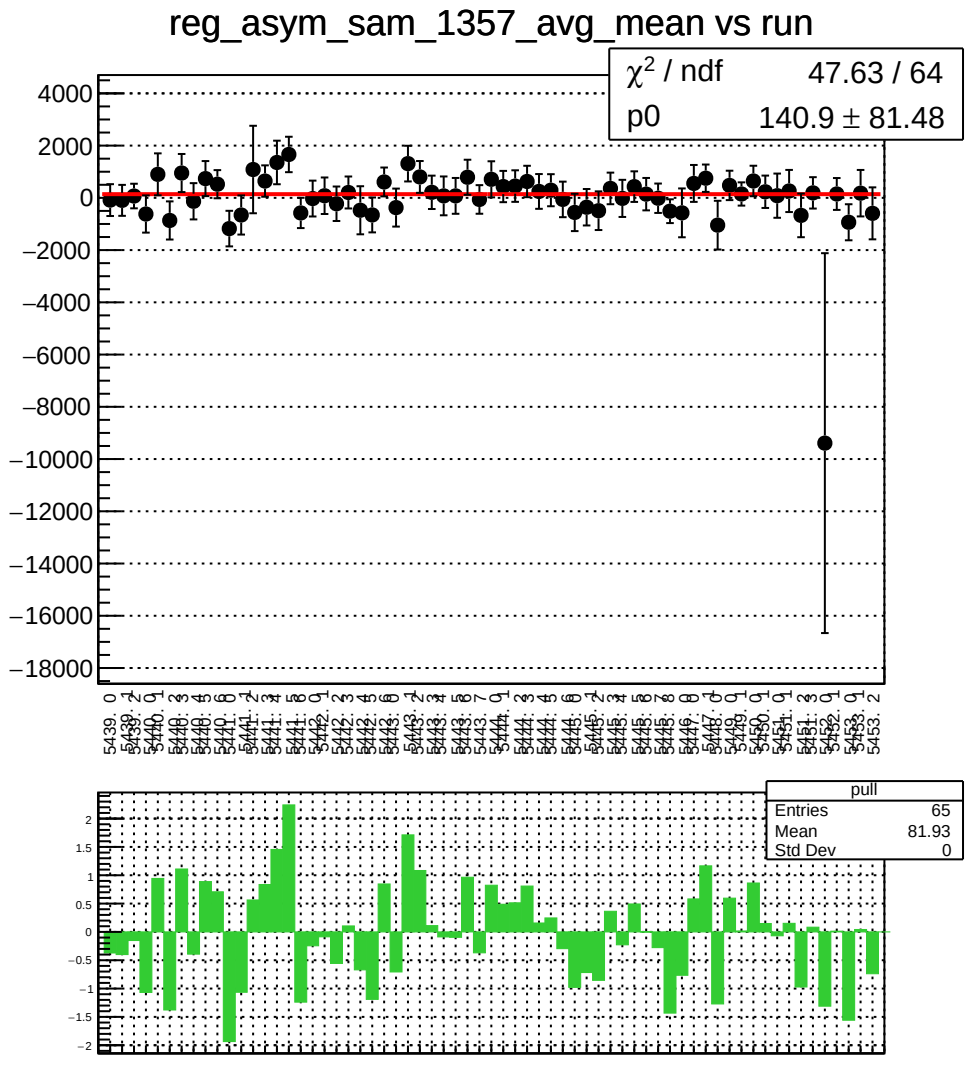

pull1D
Entries 65
Mean −0.02716
Std Dev 1.125

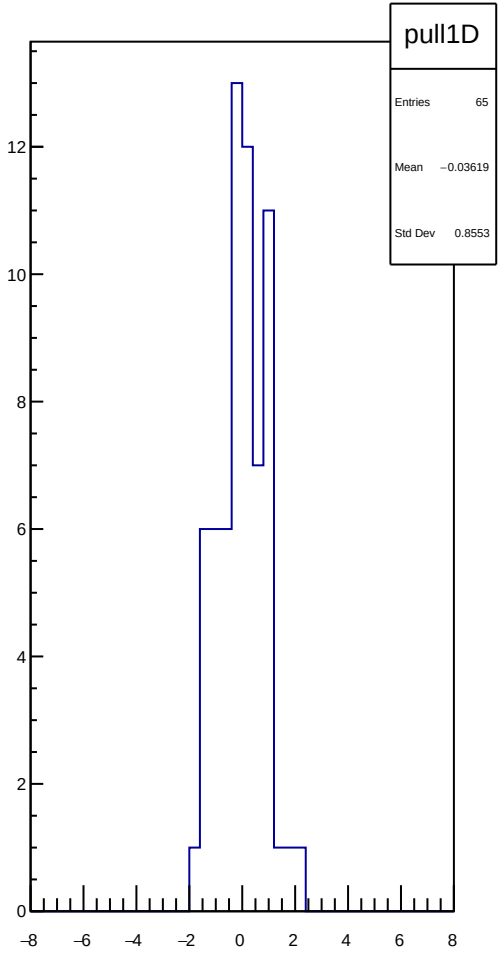

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.316e+04 / 64
p0 69.24 ± 0.06091
140
120
100
80
60

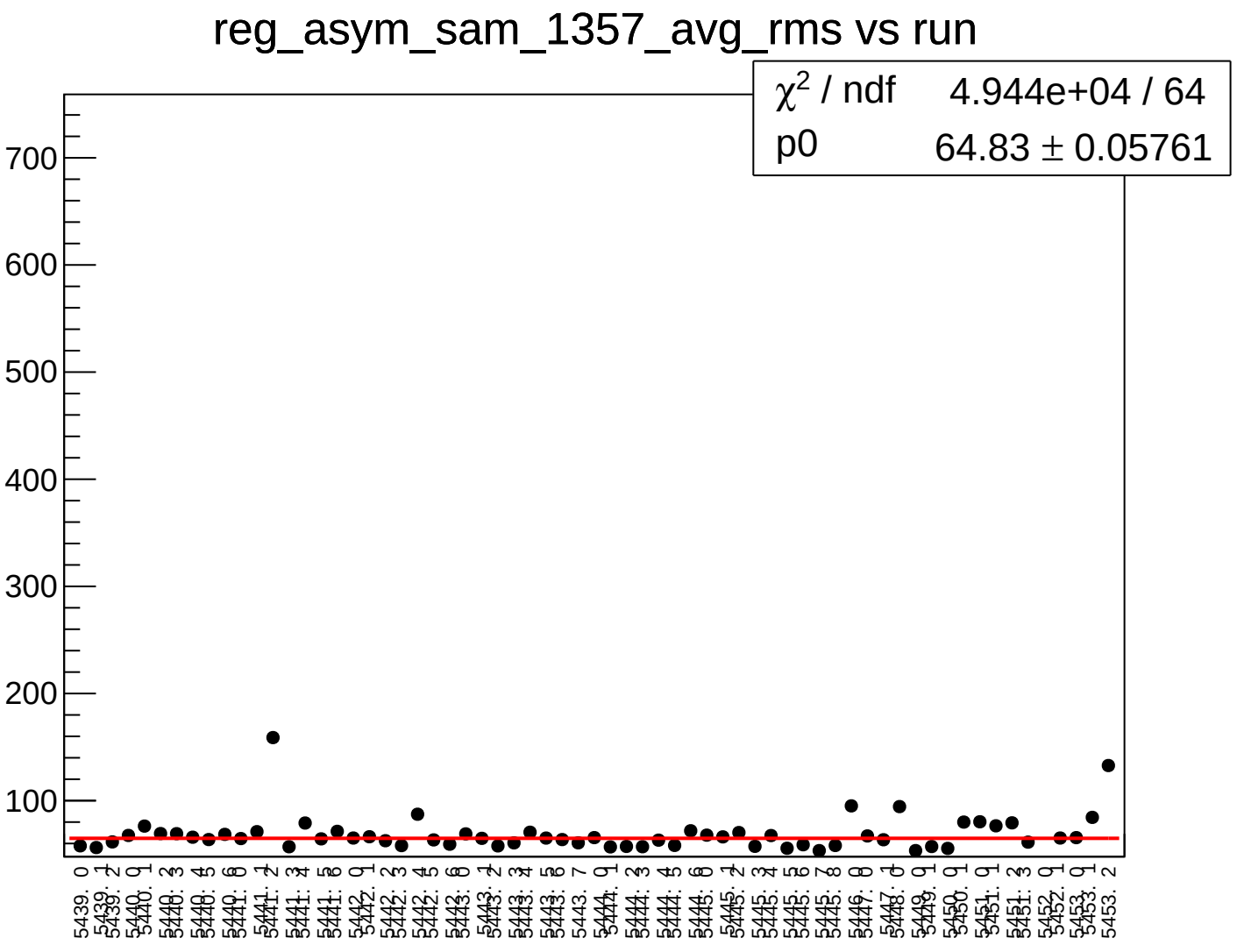

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.79 / 64
p0 −1.507e−14 ± 2.296e−14
pull
Entries 65
Mean 33.85
Std Dev 0

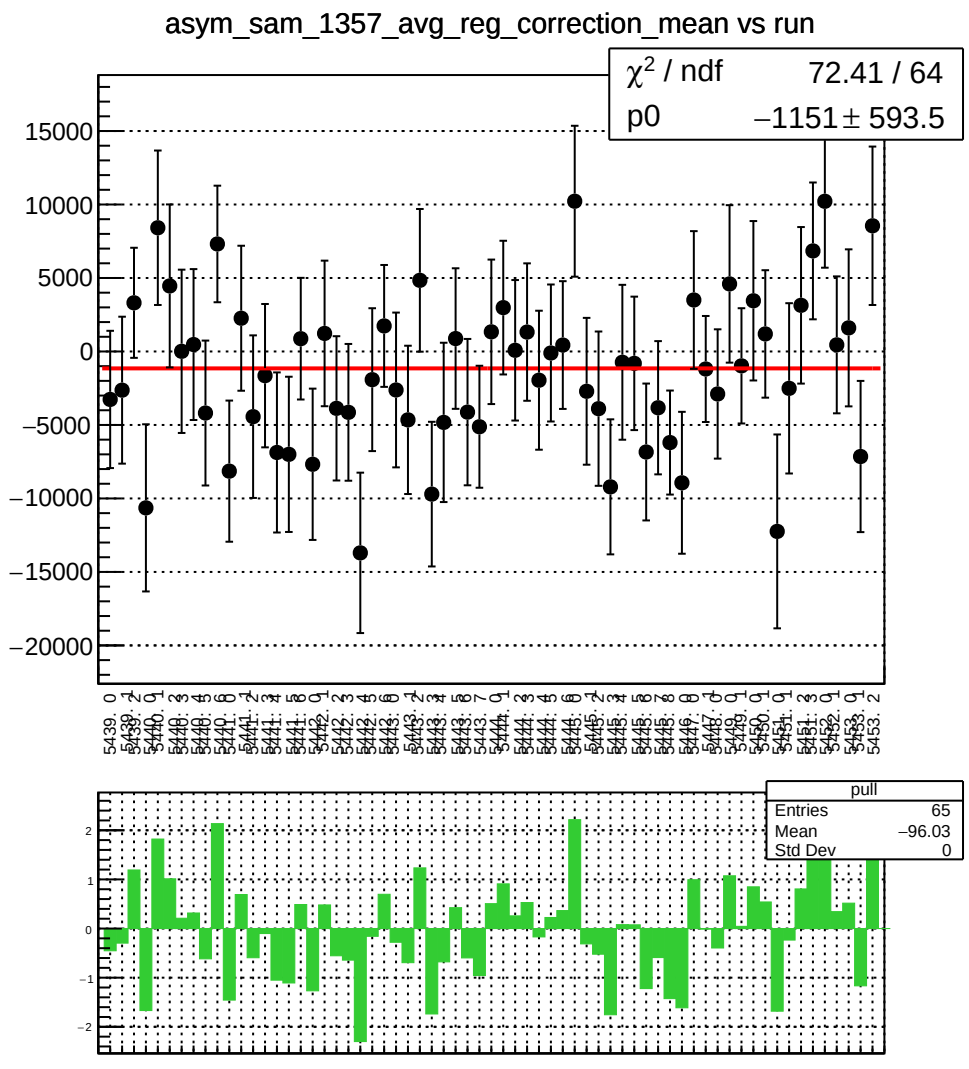

pull1D
Entries 65
Mean 0.08652
Std Dev 1.139

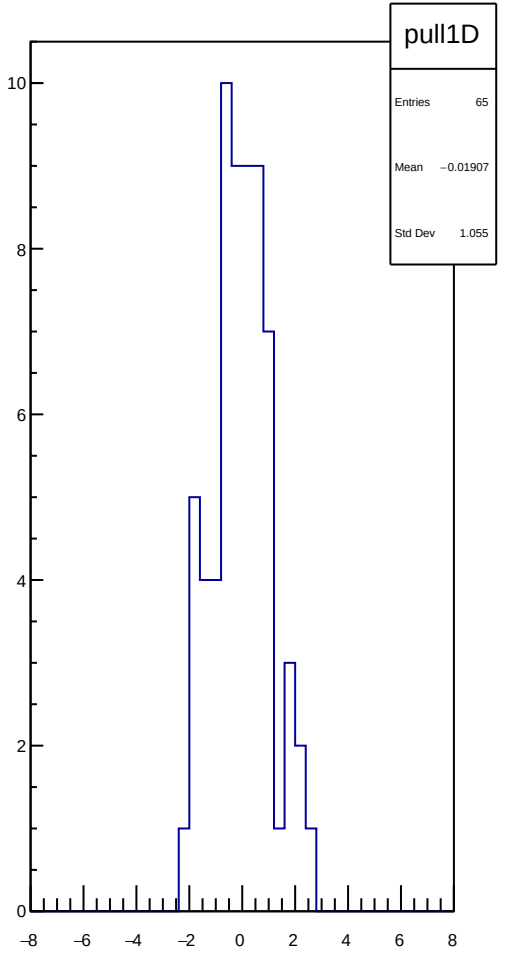

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.38e+05 / 64
p0 1.605e−11 ± 1.623e−14
0.12
0.1
0.08
0.06
0.04
0.02

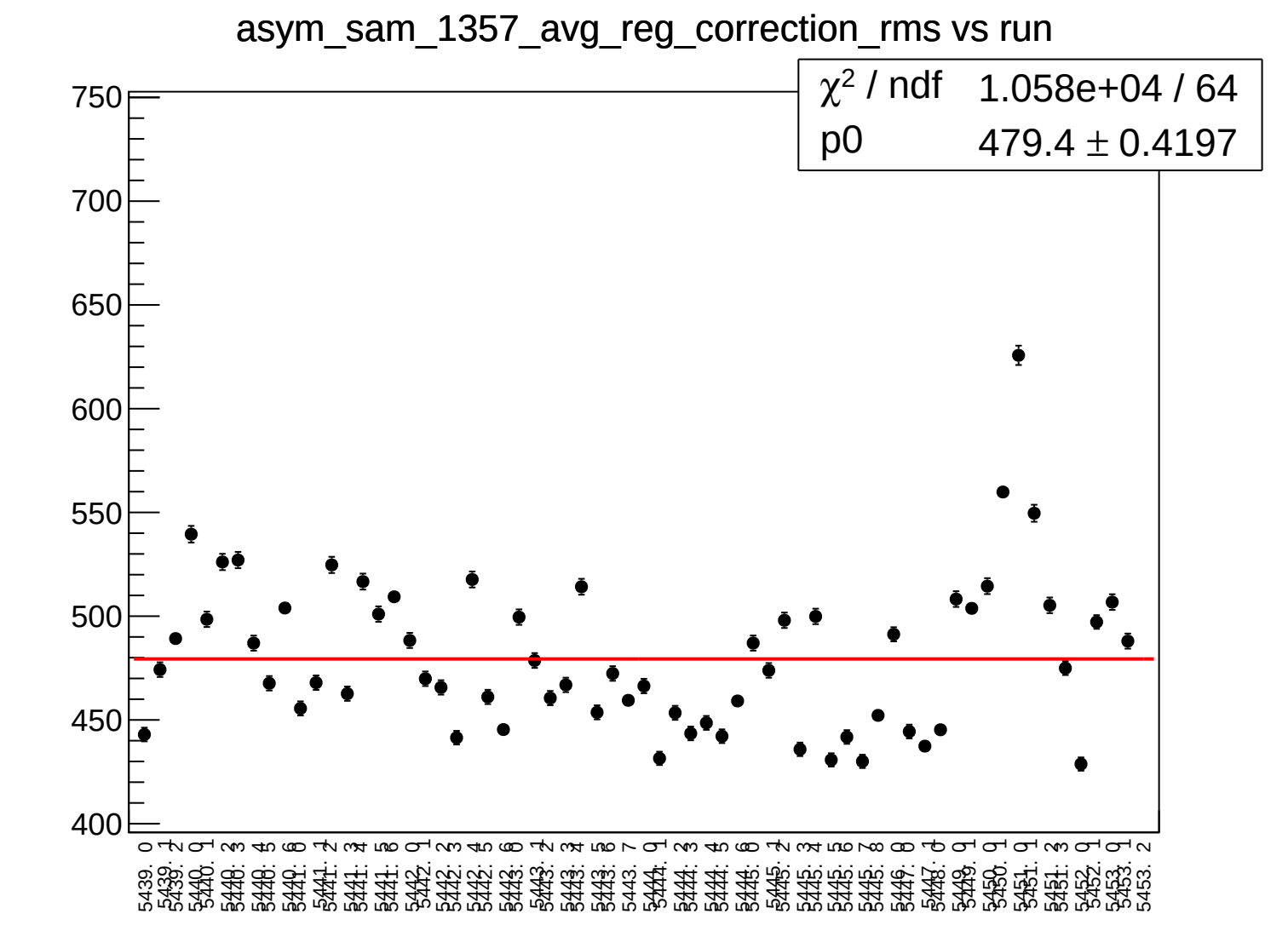

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 47.63 / 64
p0 140.9 ± 81.48
pull
Entries 65
Mean 81.93
Std Dev 0

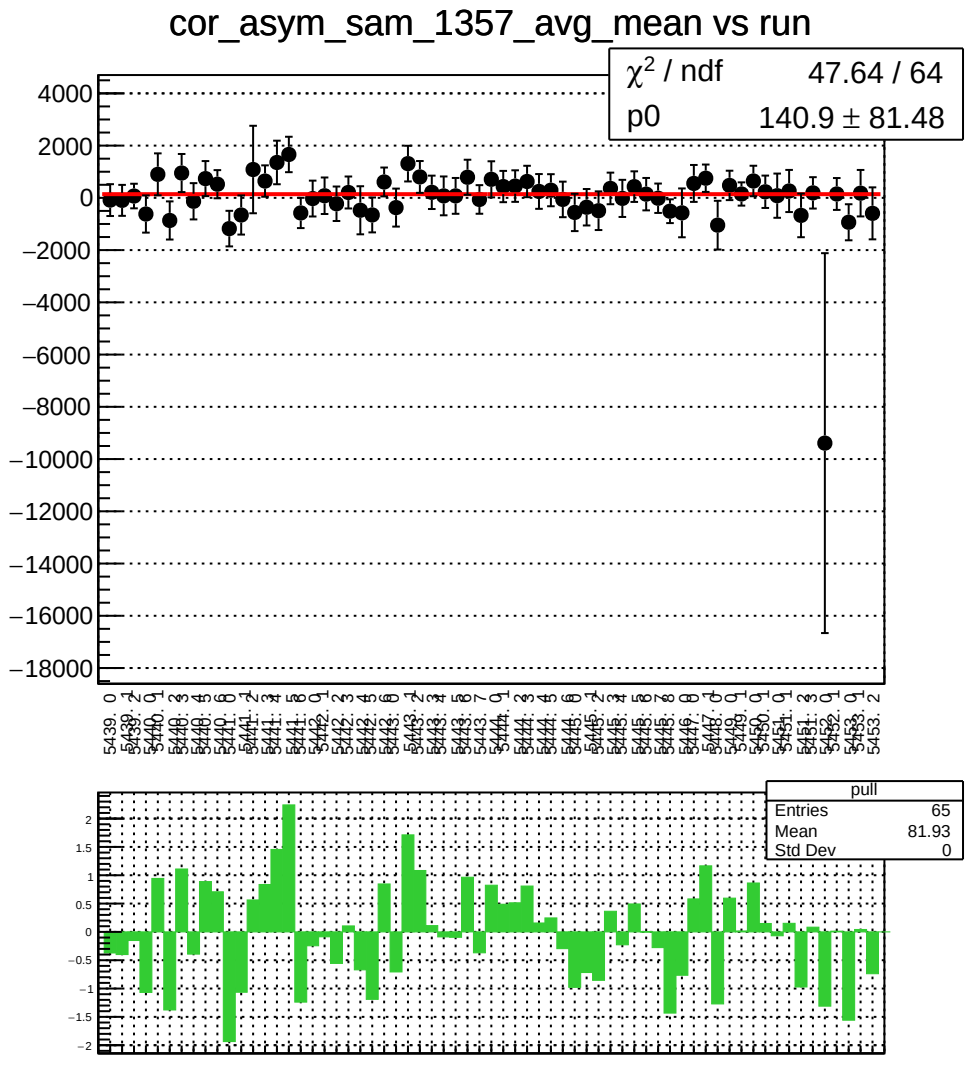

pull1D
Entries 65
Mean −0.03619
Std Dev 0.8553

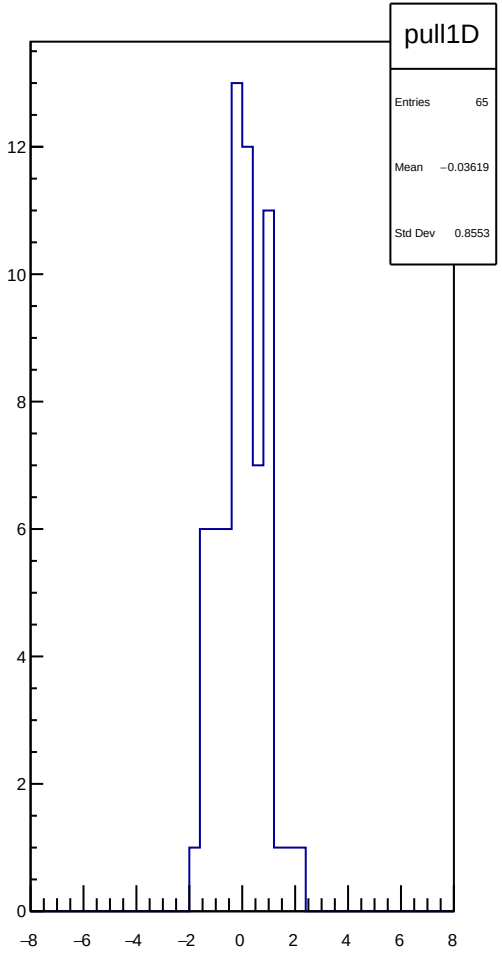

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 4.944e+04 / 64
p0 64.83 ± 0.05761
700
600
500
400
300
200
100

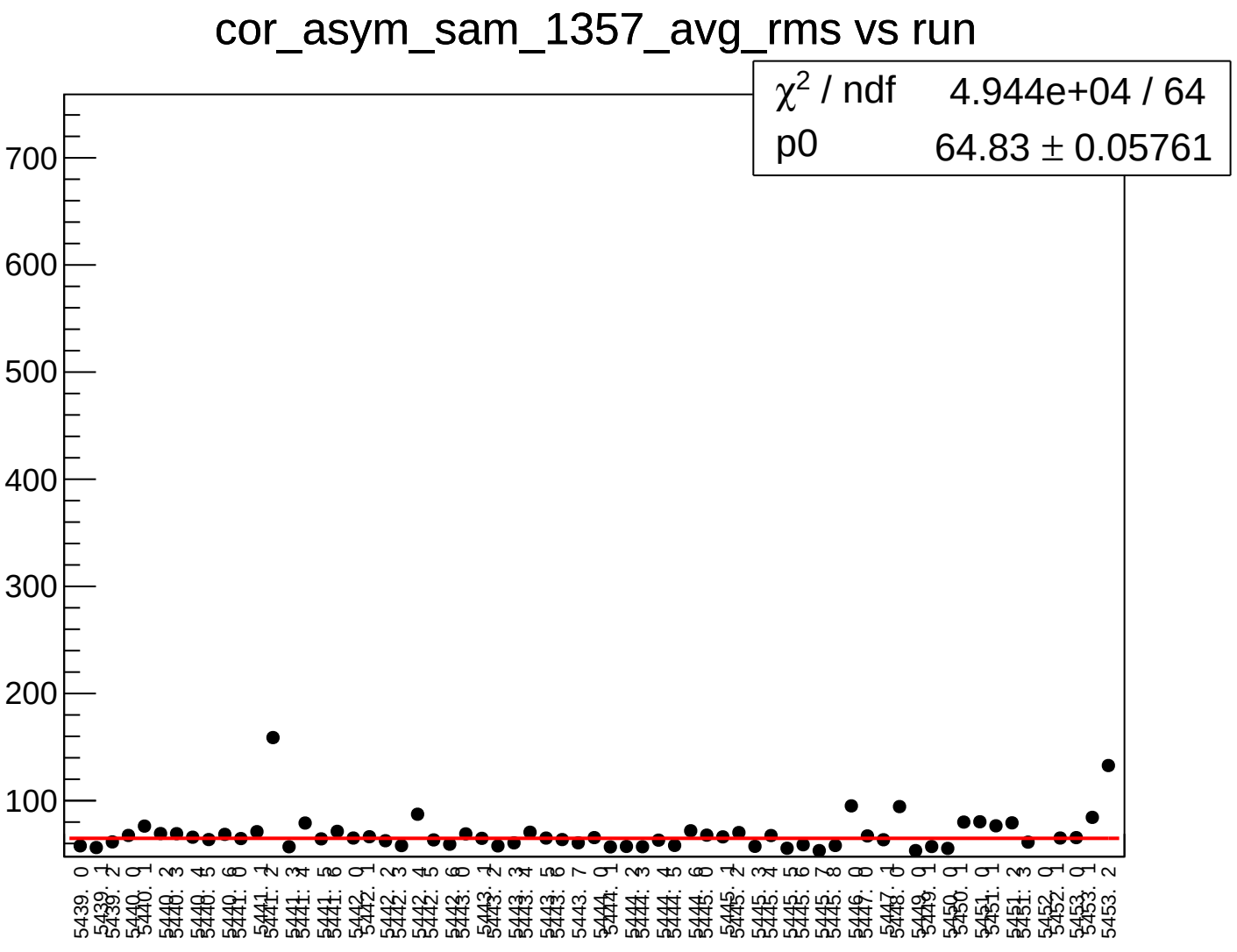

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 72.41 / 64
p0 −1151 ± 593.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean −96.03
Std Dev 0
2
1
0
−1
−2

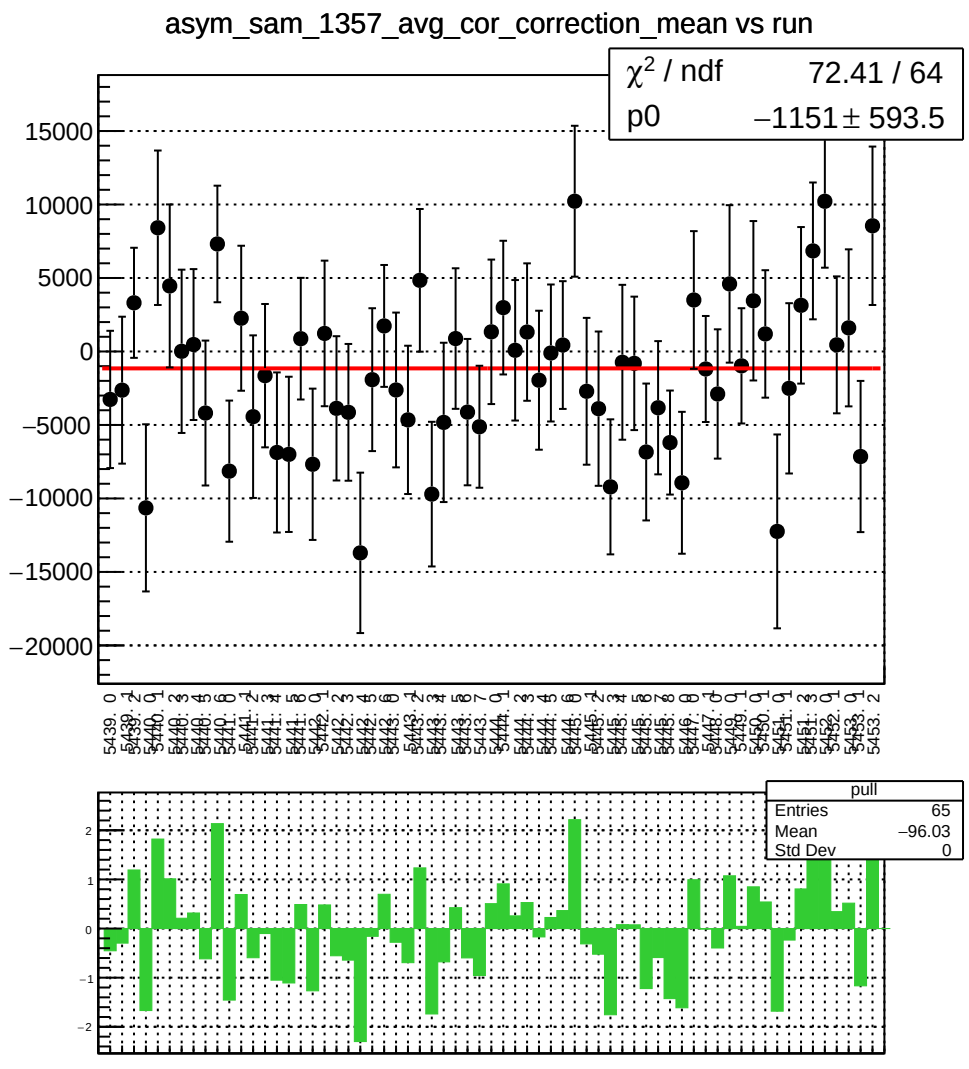

pull1D
Entries 65
Mean −0.01907
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

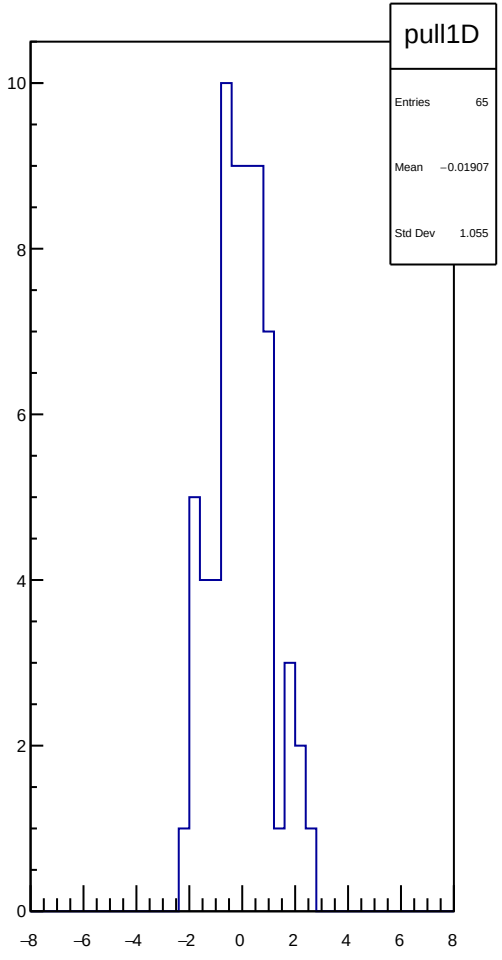

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 1.058e+04 / 64
p0 479.4 ± 0.4197
750
700
650
600
550
500
450
400

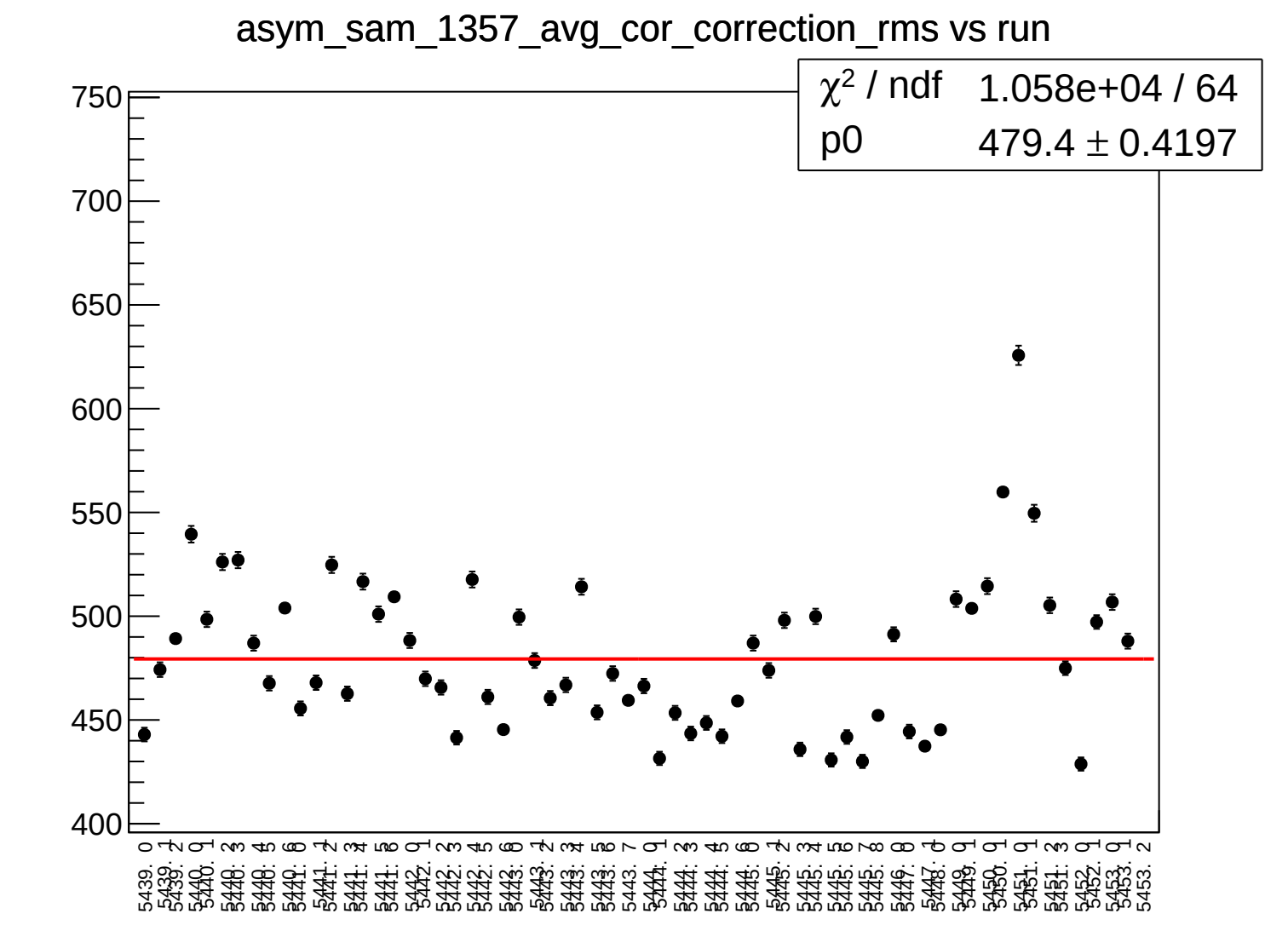

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 47.64 / 64
p0 140.9 ± 81.48
pull
Entries 65
Mean 81.93
Std Dev 0

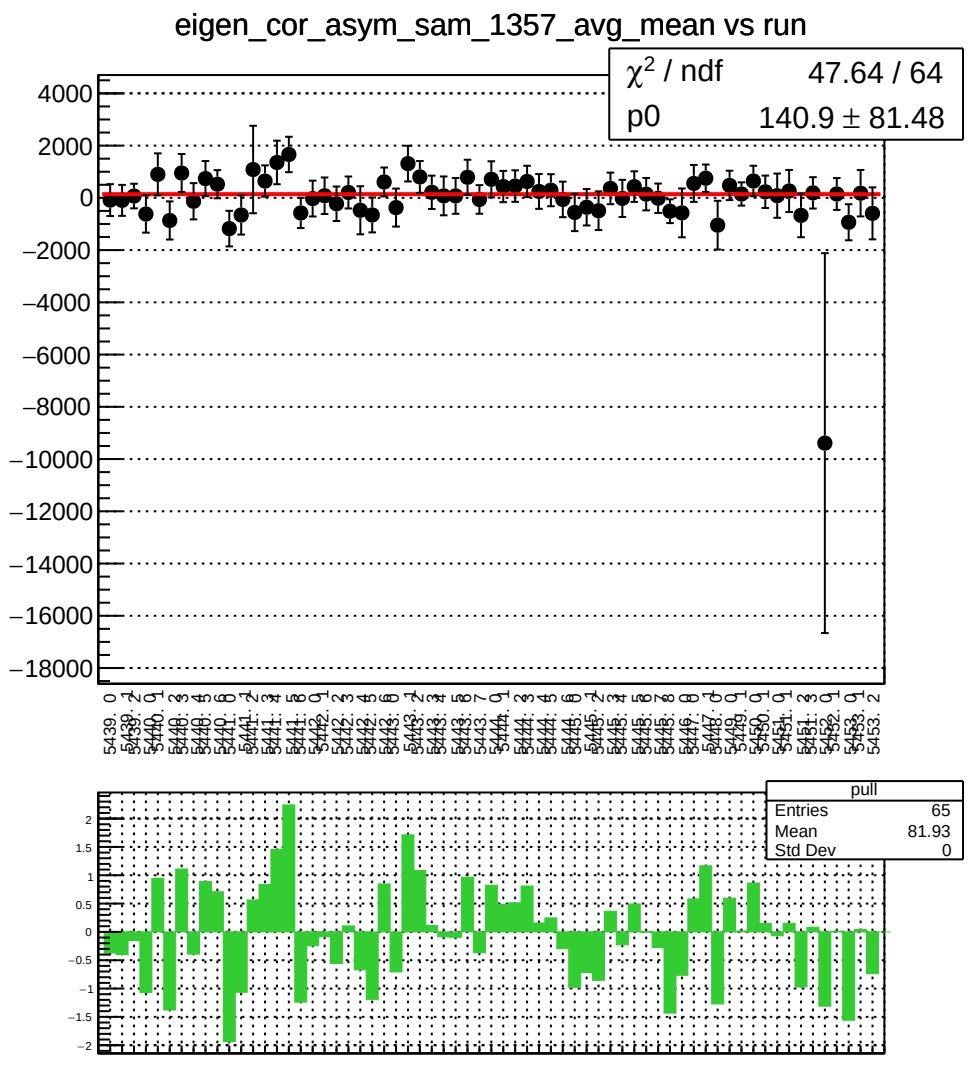

pull1D
Entries 65
Mean −0.03619
Std Dev 0.8553

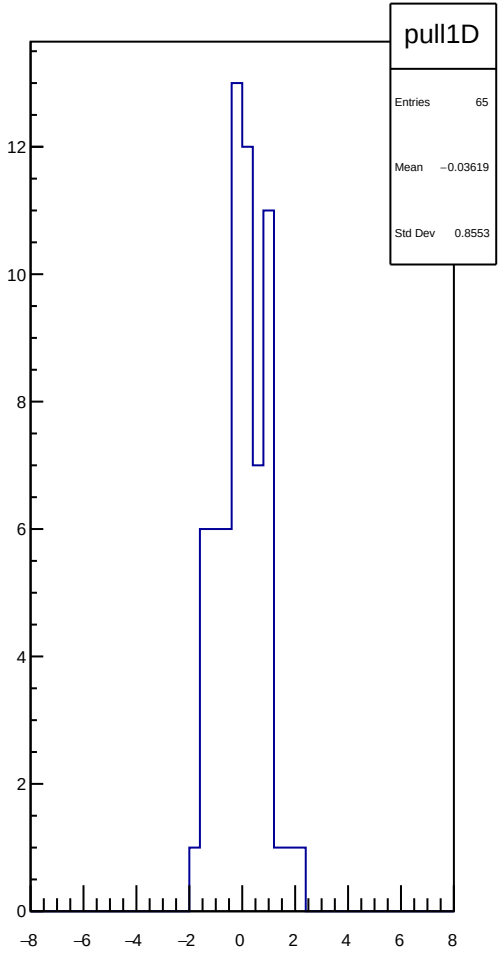

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 4.944e+04 / 64
p0 64.83 ± 0.05761
700
600
500
400
300
200
100

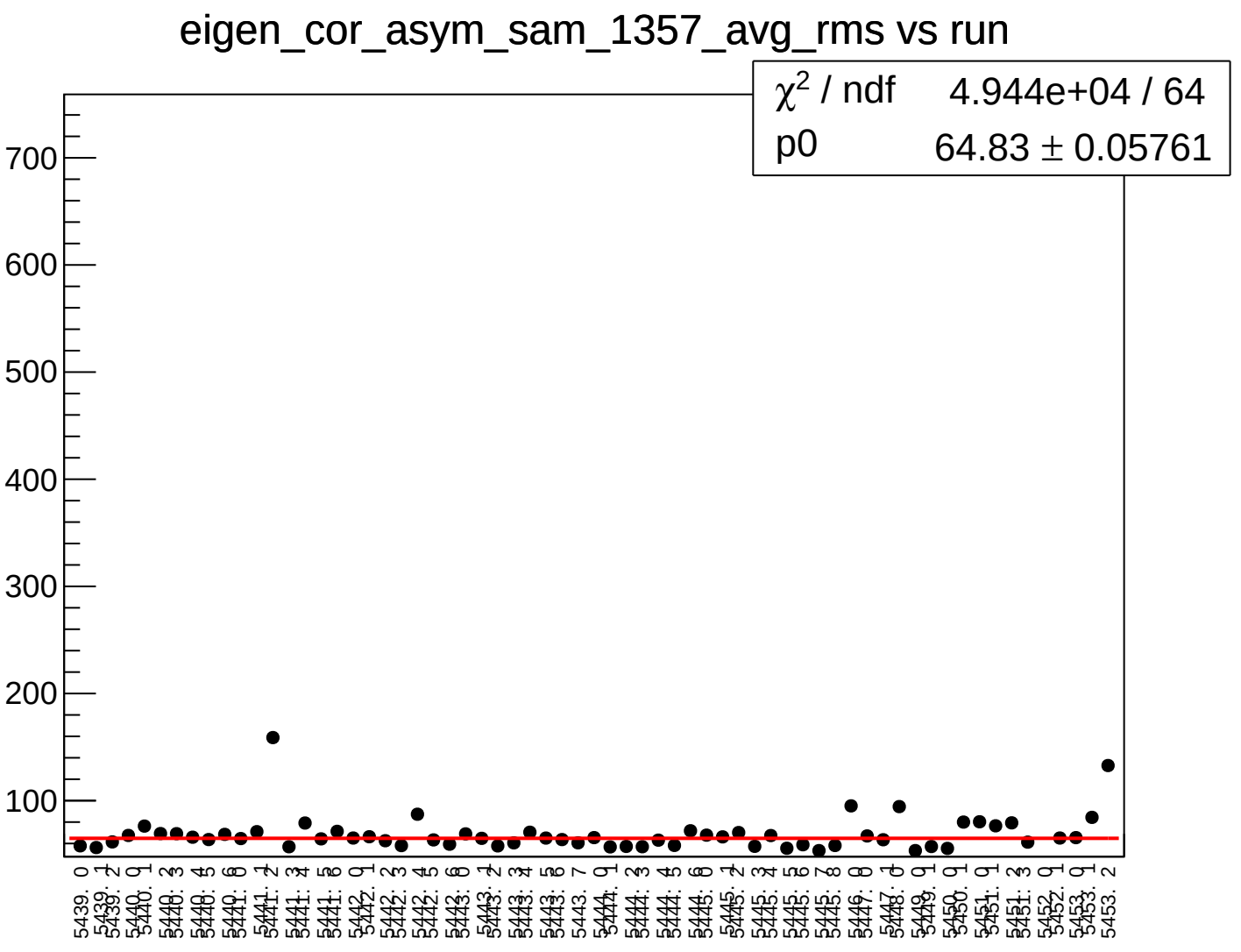

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 72.41 / 64
p0 −1151 ± 593.5
pull
Entries 65
Mean −96.03
Std Dev 0

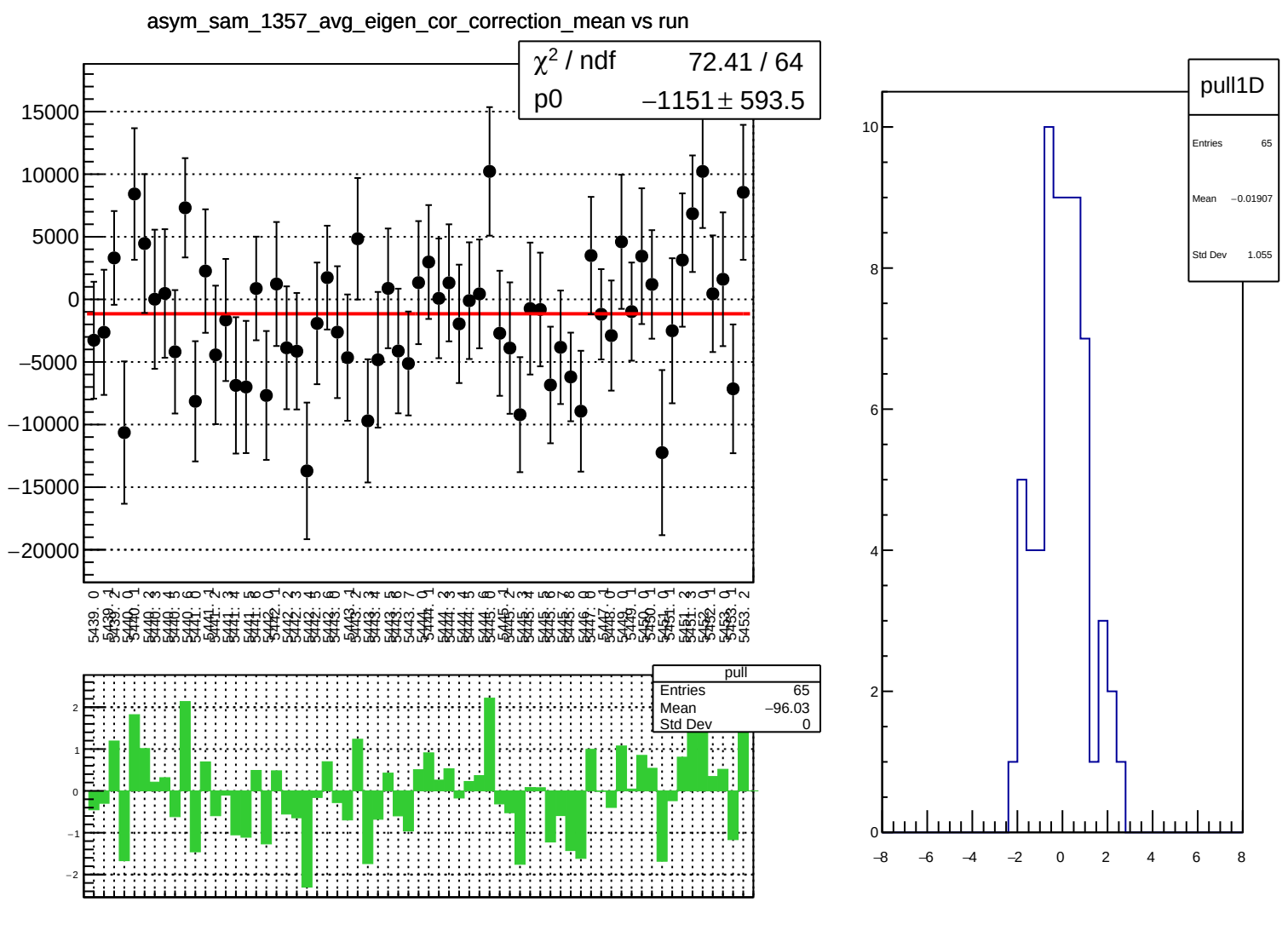

pull1D
Entries 65
Mean −0.01907
Std Dev 1.055

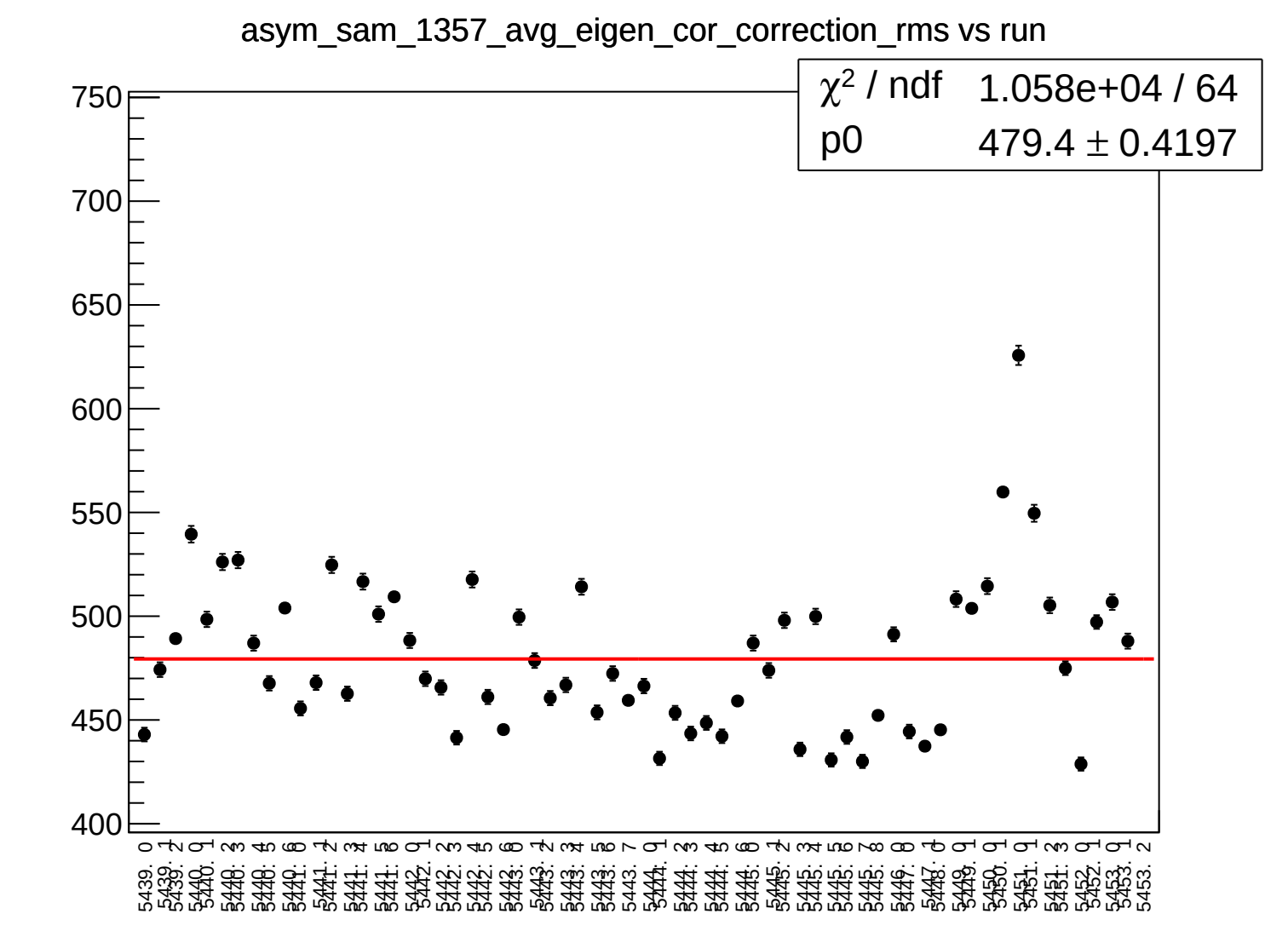

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 1.058e+04 / 64
p0 479.4 ± 0.4197
750
700
650
600
550
500
450
400

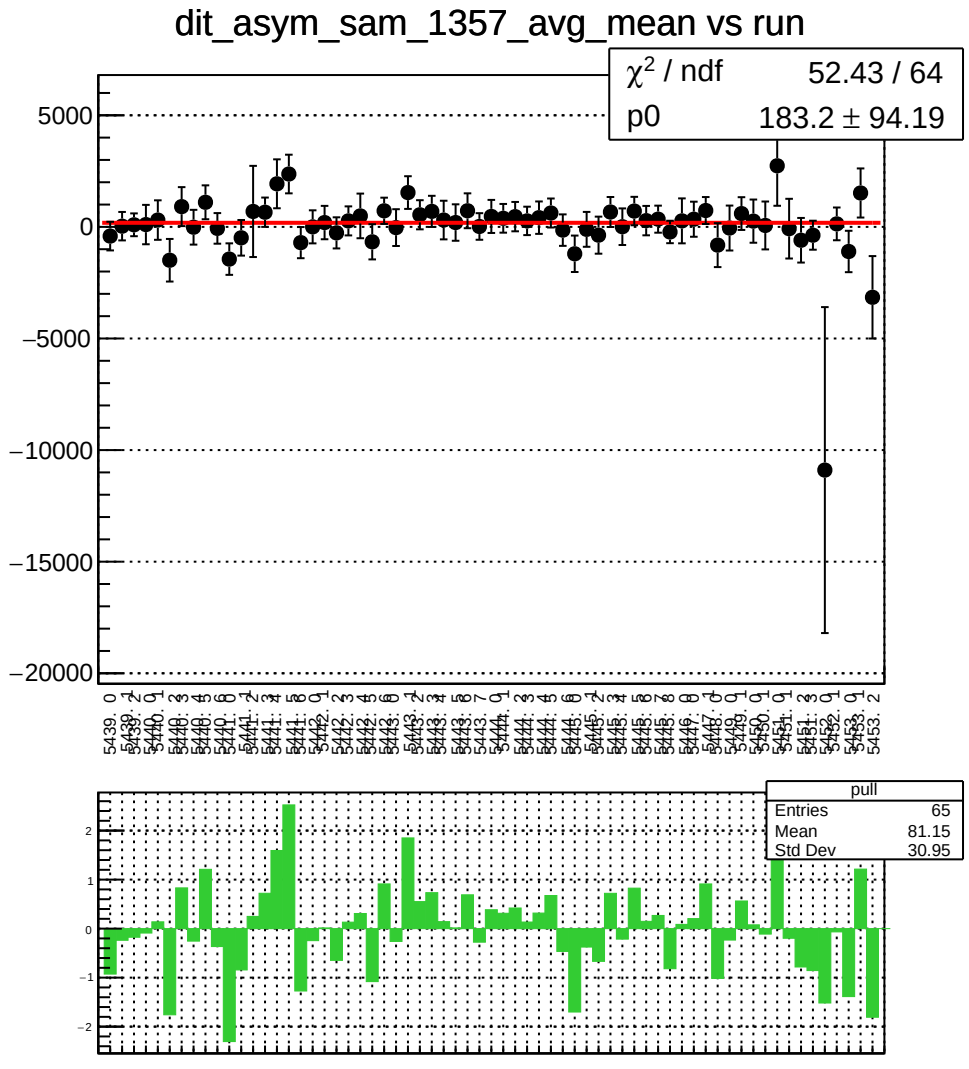

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 47.64 / 64
p0 140.9 ± 81.48
pull
Entries 65
Mean 81.93
Std Dev 0

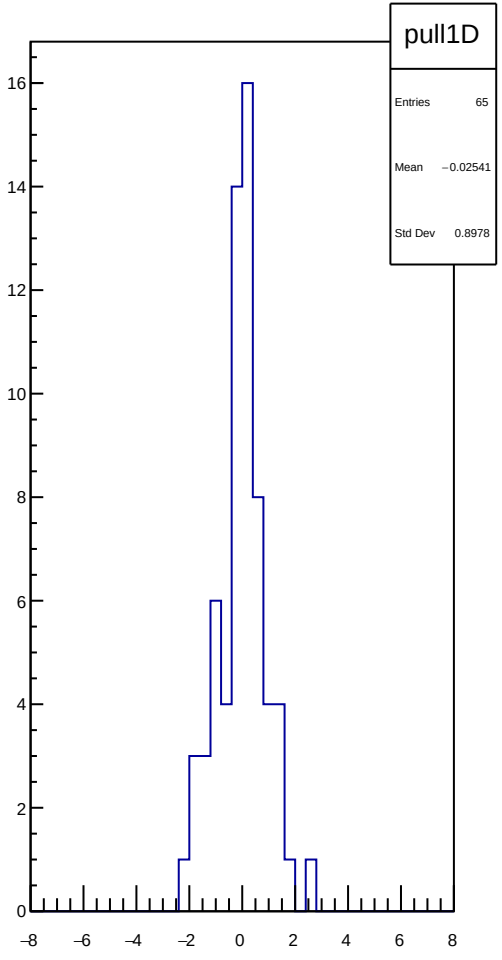

pull1D
Entries 65
Mean −0.03619
Std Dev 0.8553

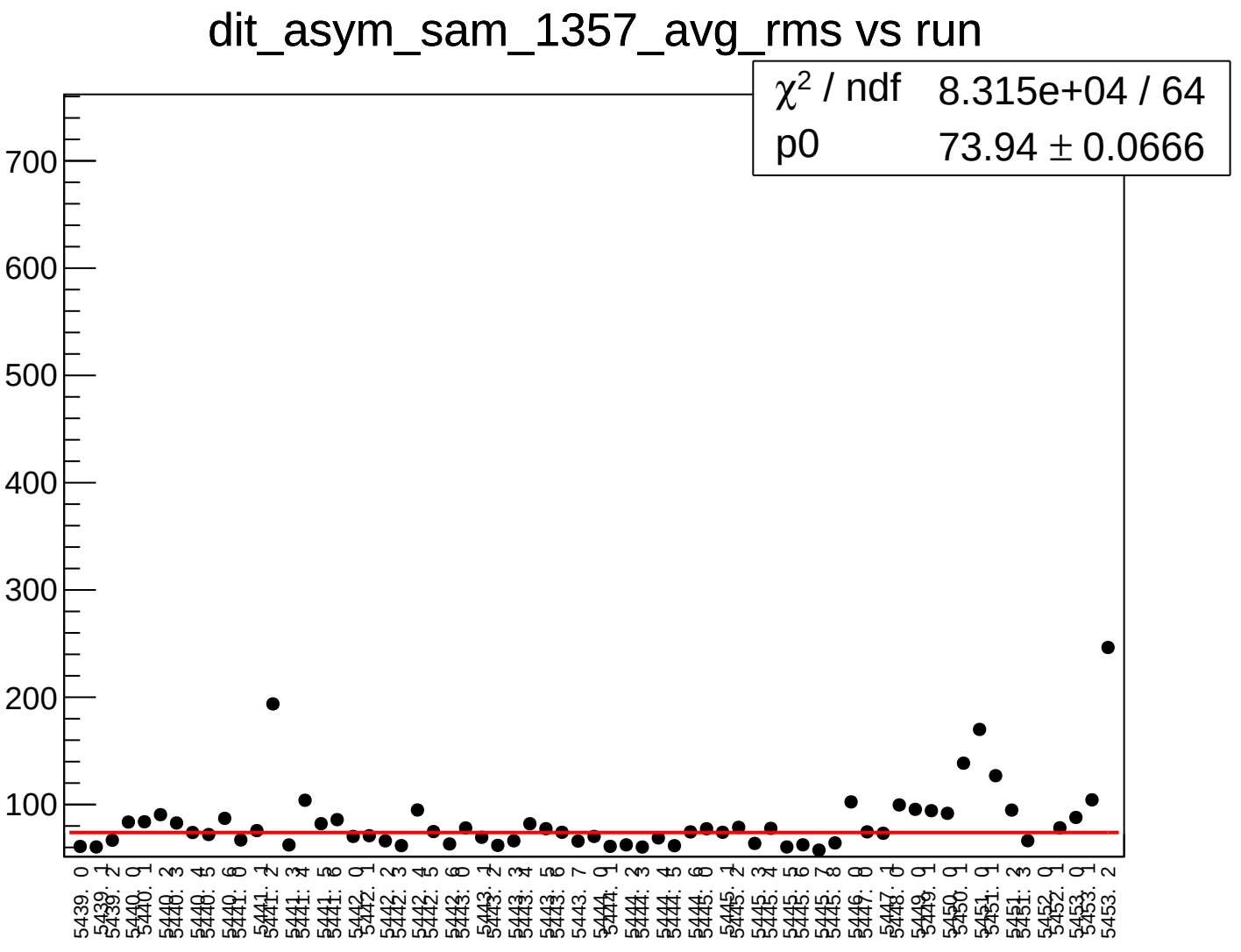

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 4.944e+04 / 64
p0 64.83 ± 0.05761
700
600
500
400
300
200
100

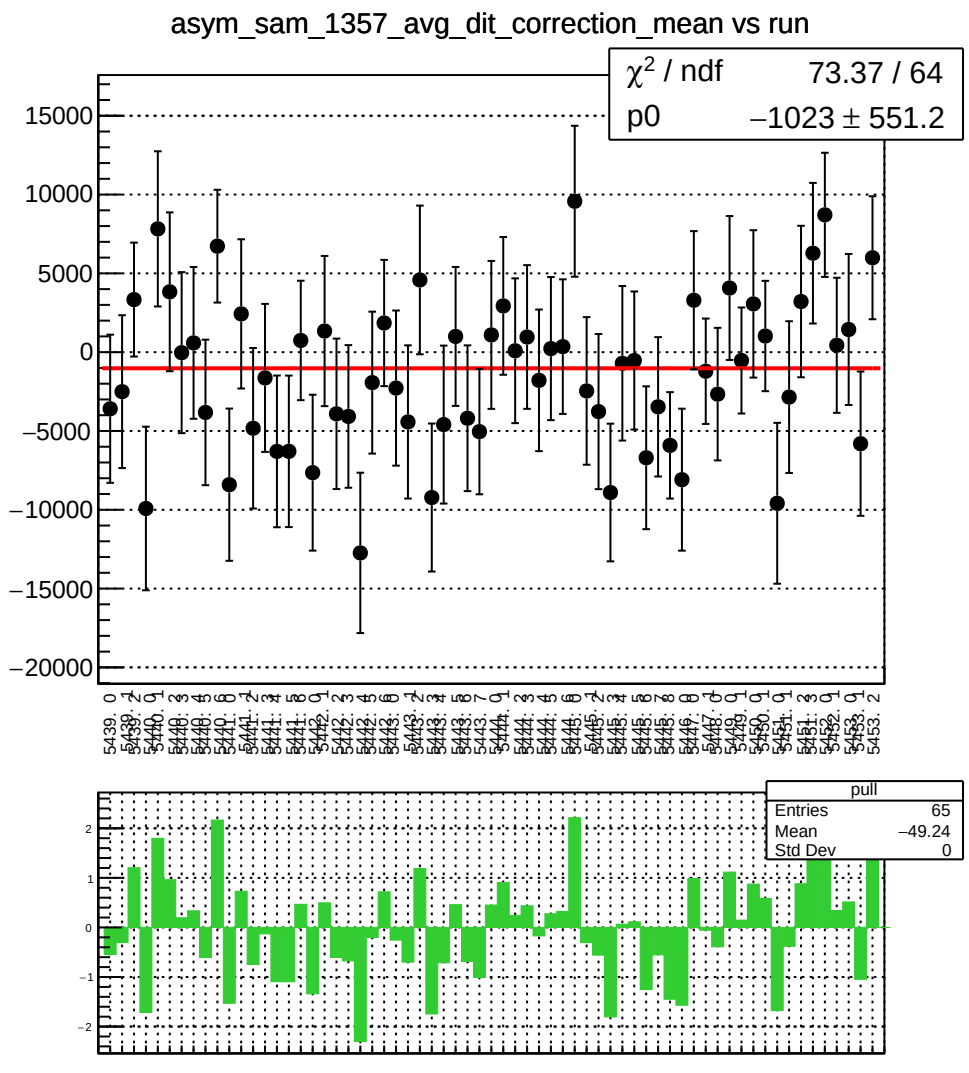

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.41 / 64
p0 −1151 ± 593.5
pull
Entries 65
Mean −96.03
Std Dev 0
pull1D
Entries 65
Mean −0.01907
Std Dev 1.055

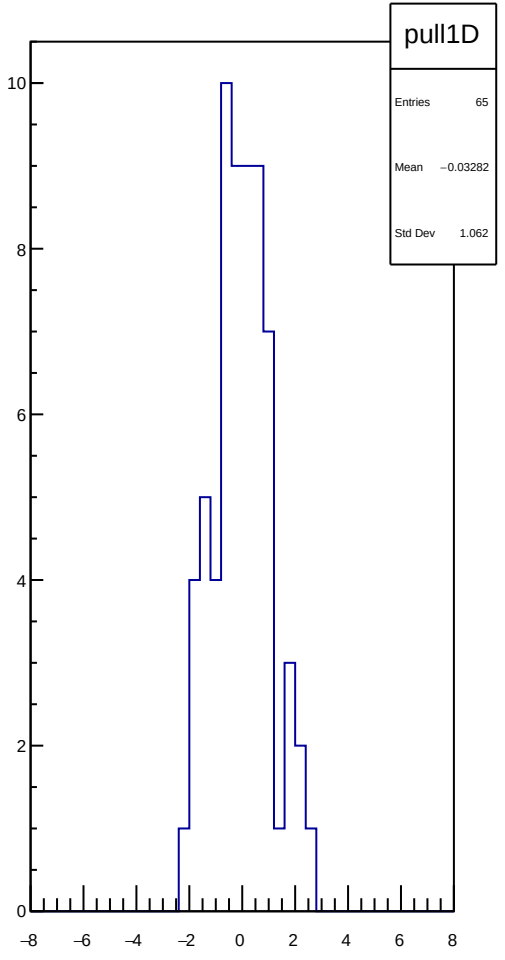

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.058e+04 / 64
p0 479.4 ± 0.4197
750
700
650
600
550
500
450
400

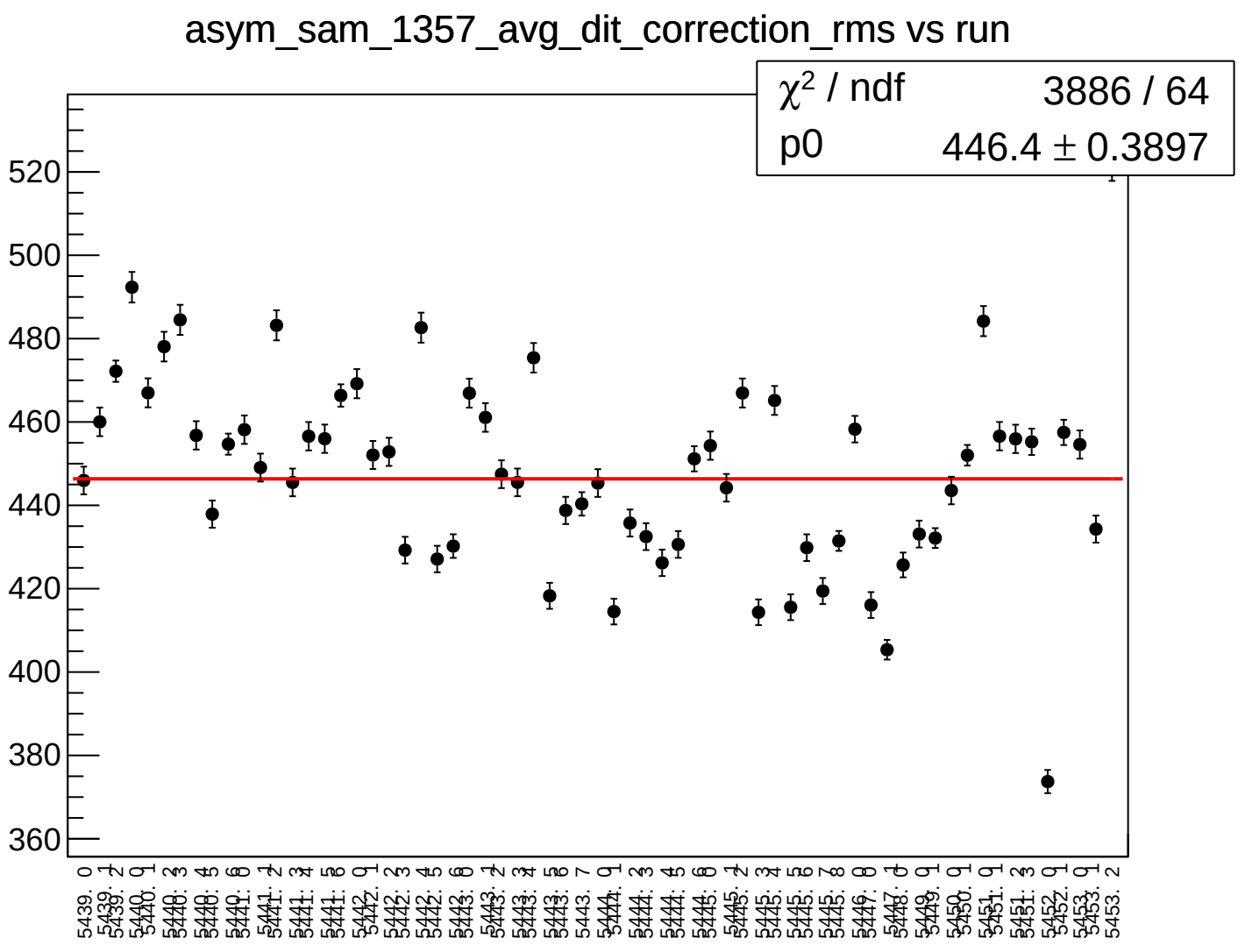

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 52.43 / 64
p0 183.2 ± 94.19
pull
Entries 65
Mean 81.15
Std Dev 30.95

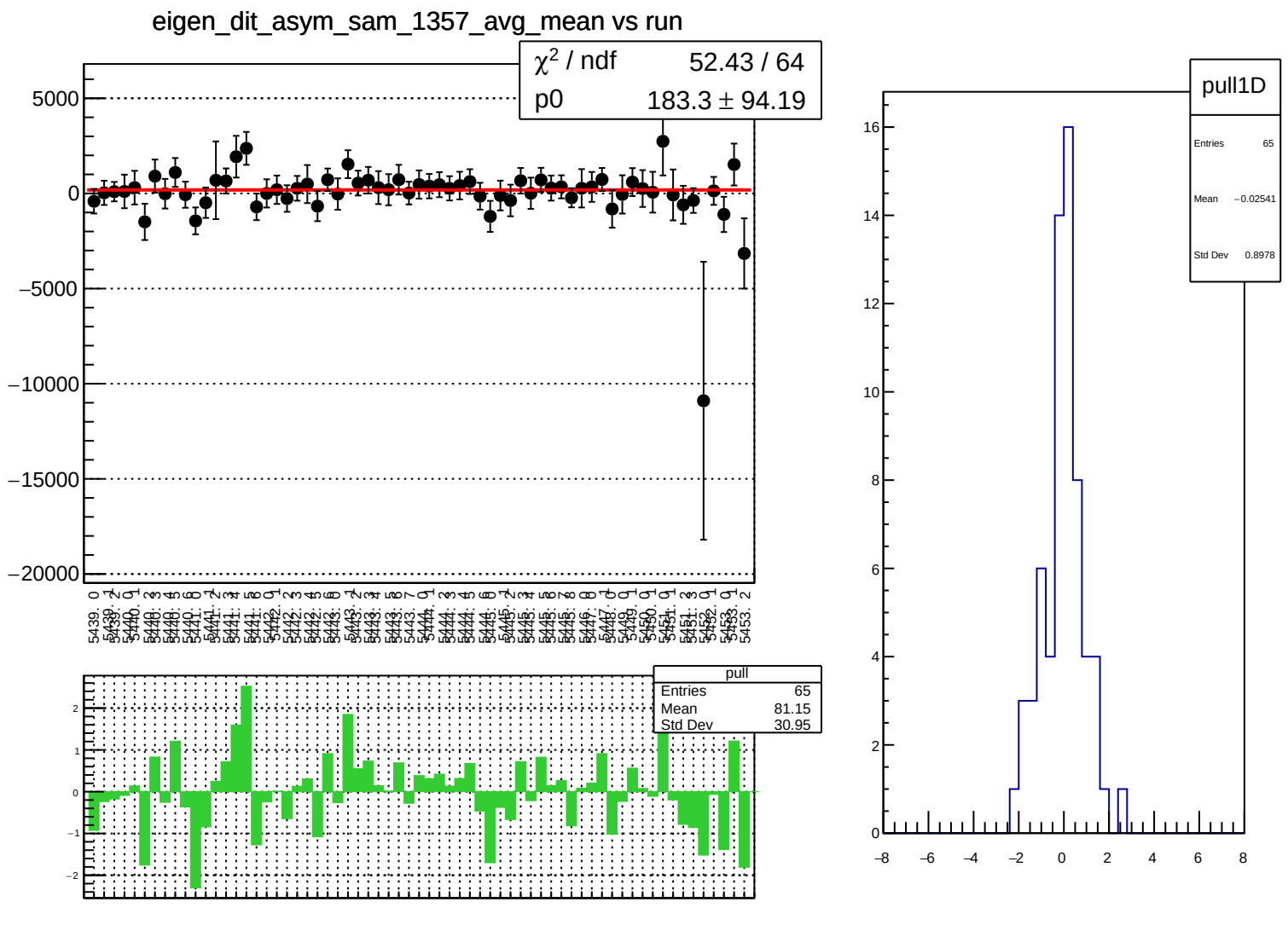

pull1D
Entries 65
Mean −0.02541
Std Dev 0.8978

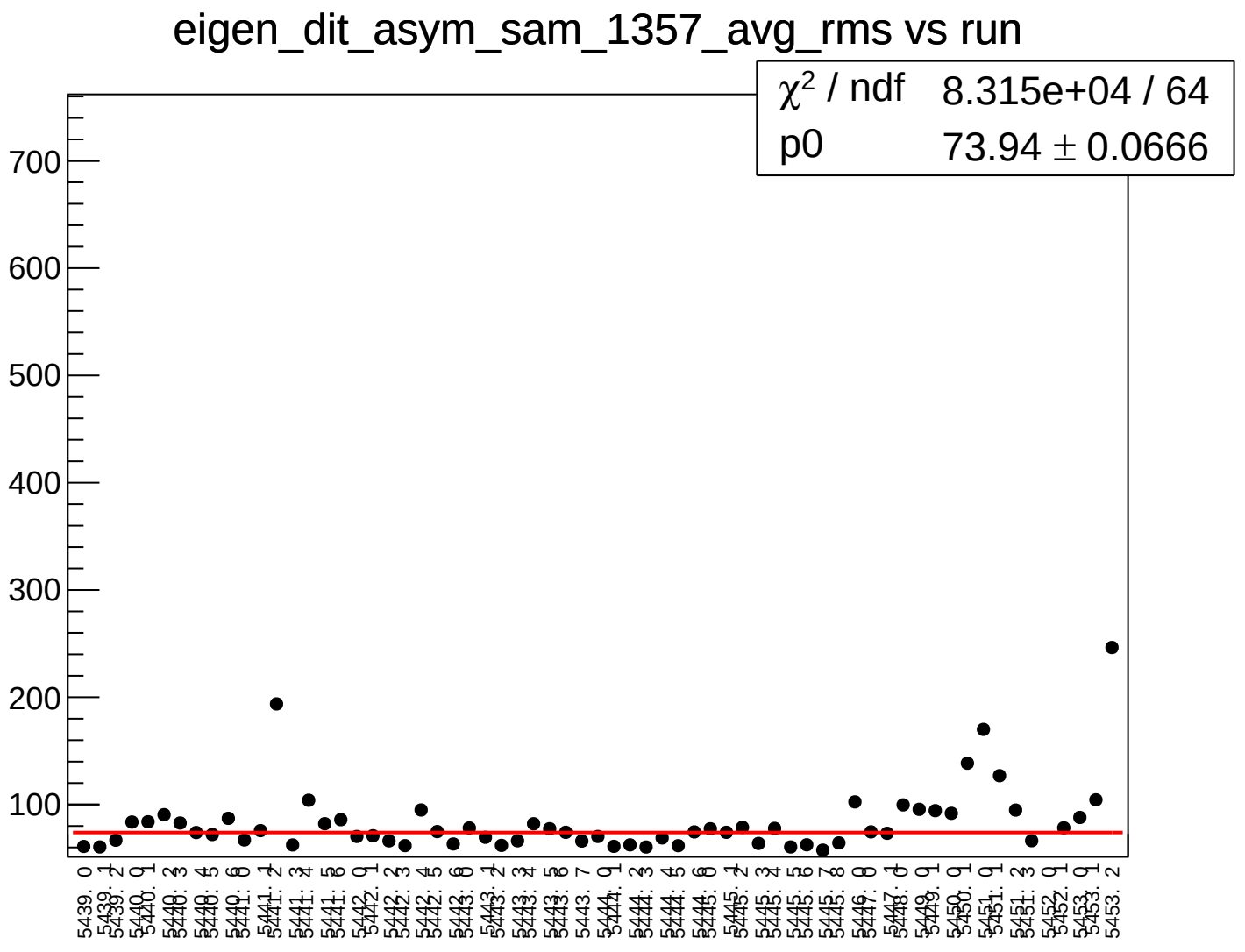

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 8.315e+04 / 64
p0 73.94 ± 0.0666
700
600
500
400
300
200
100

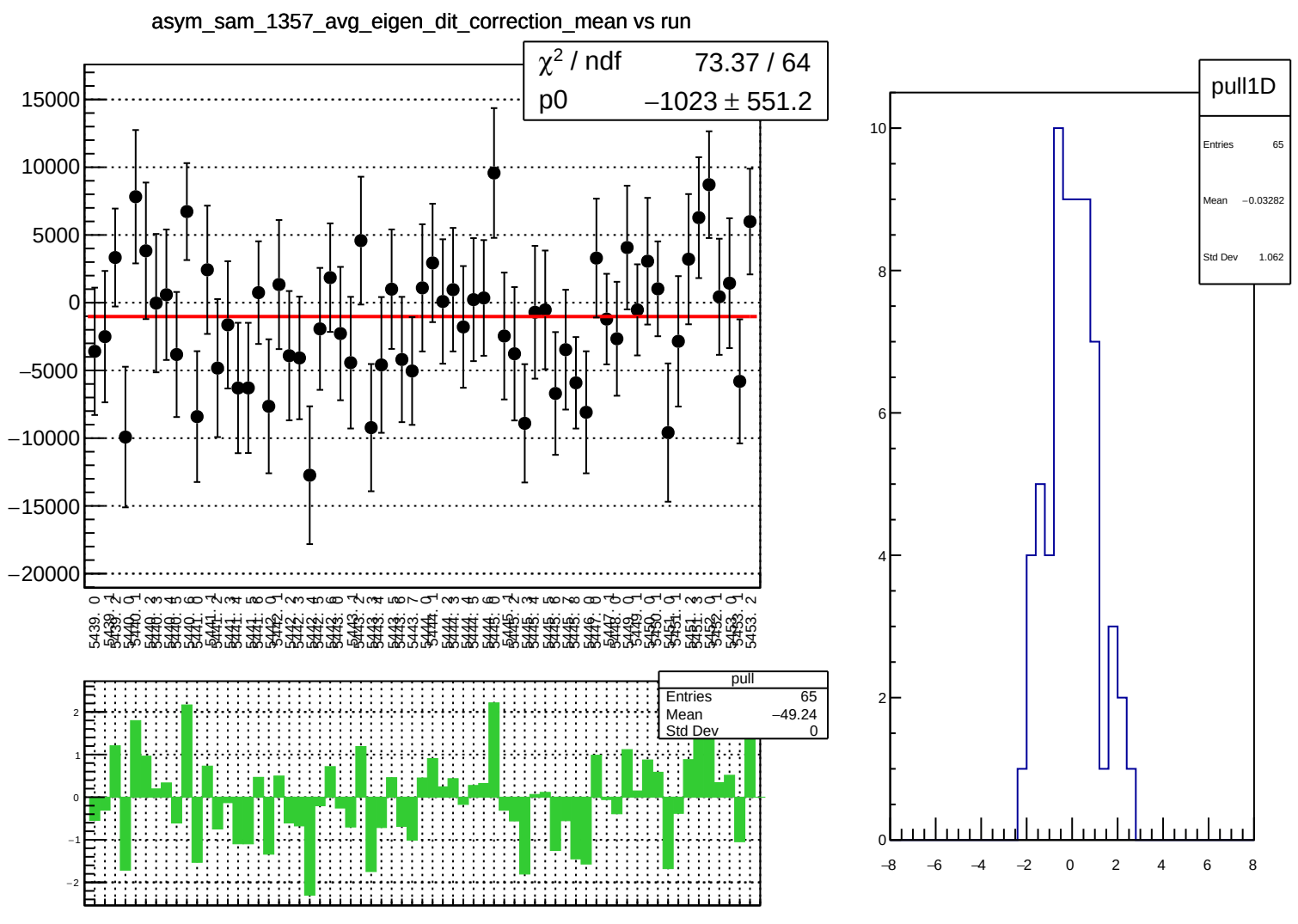

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 73.37 / 64
p0 −1023 ± 551.2
pull
Entries 65
Mean −49.24
Std Dev 0

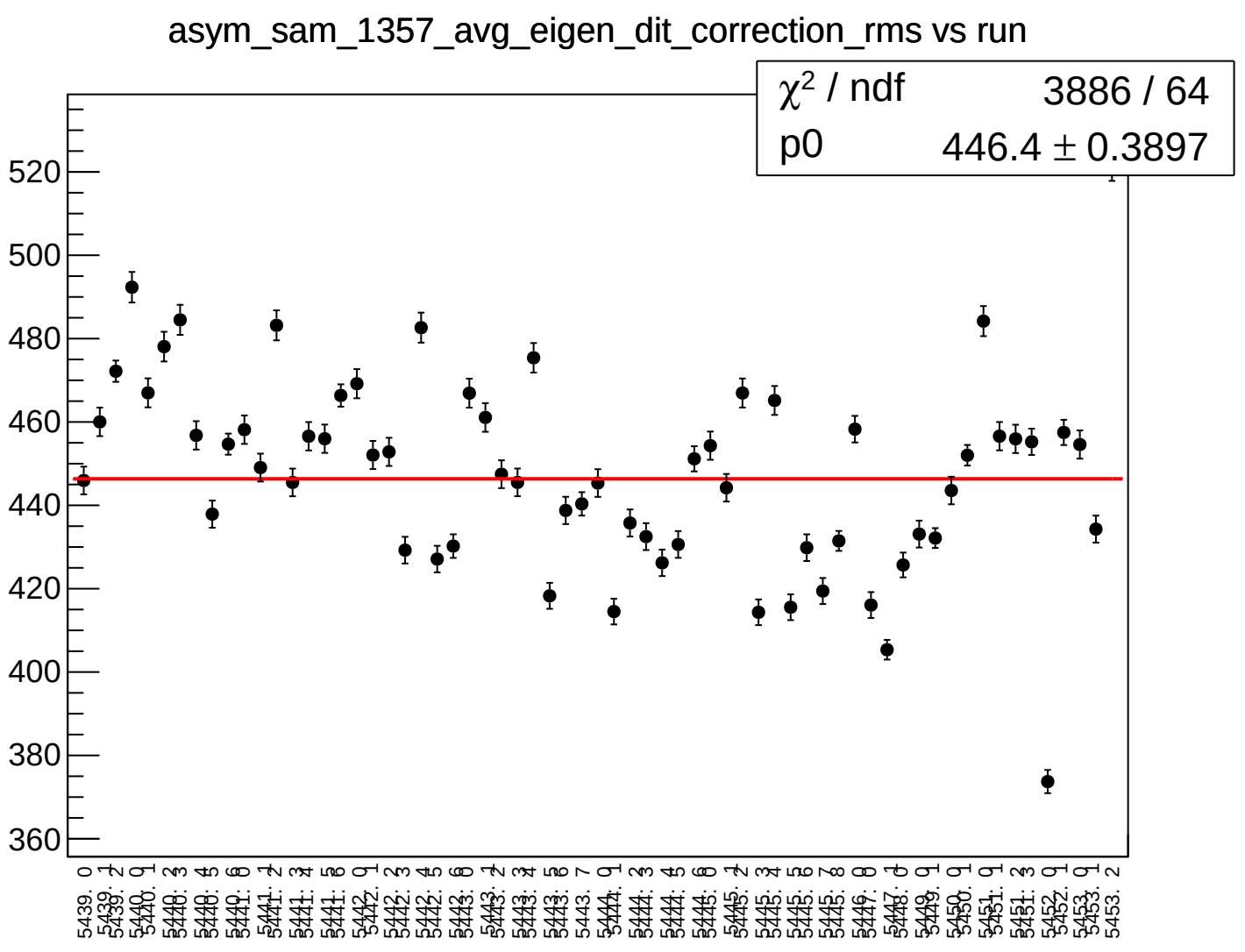

pull1D
Entries 65
Mean −0.03282
Std Dev 1.062

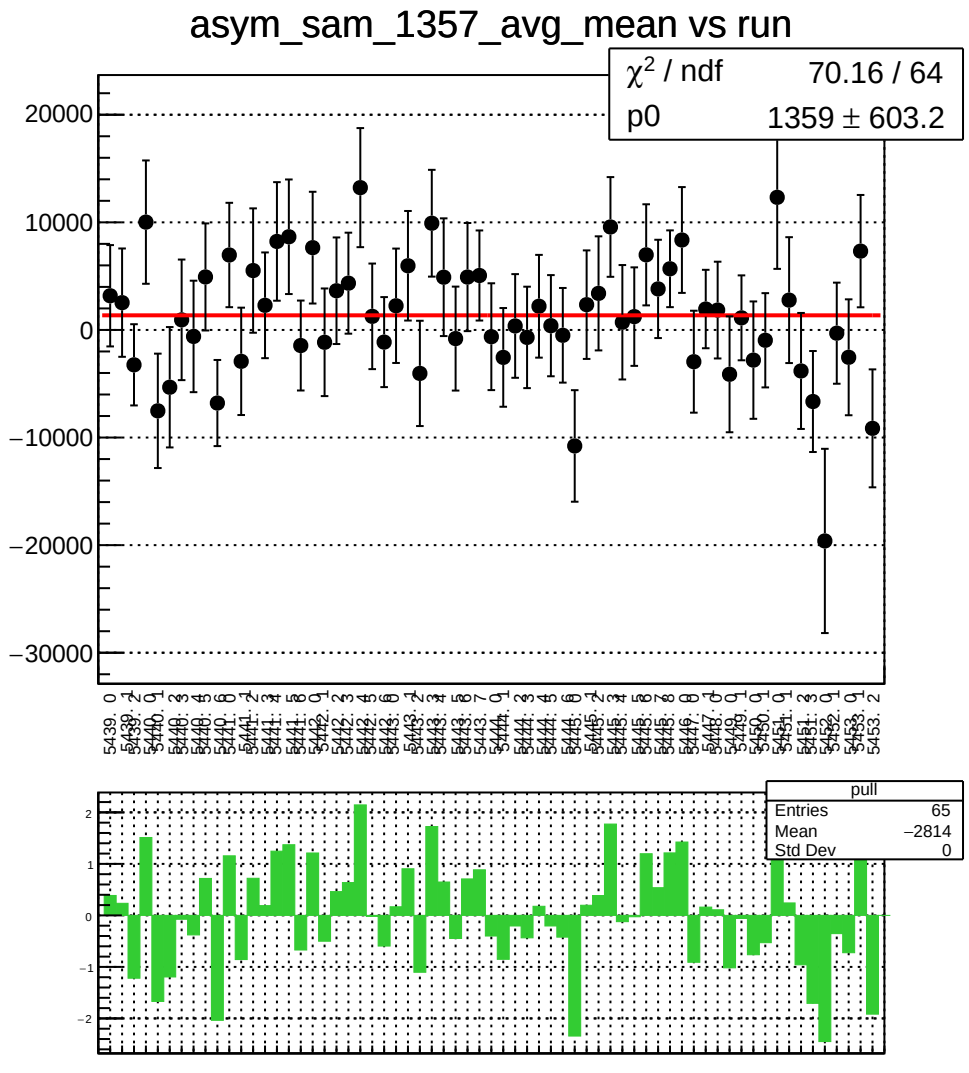

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 3886 / 64
p0 446.4 ± 0.3897
520
500
480
460
440
420
400
380
360

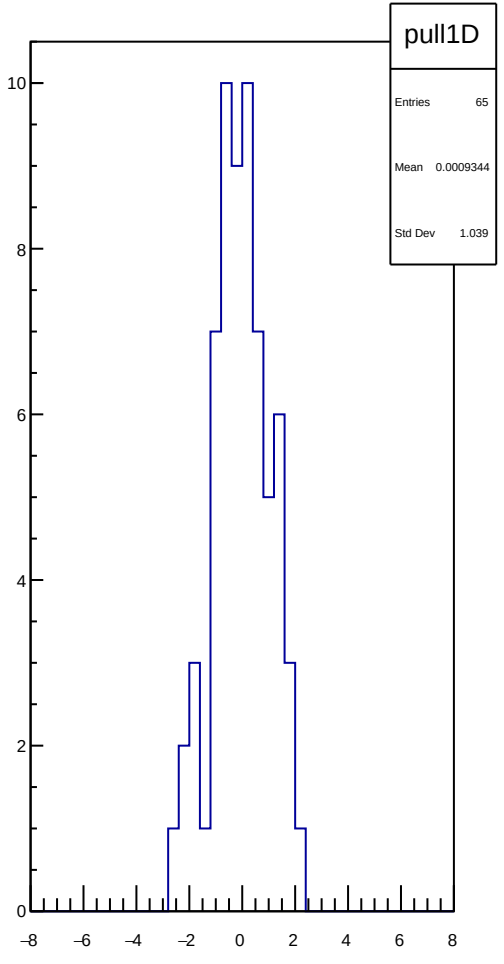

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 52.43 / 64
p0 183.3 ± 94.19
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean 81.15
Std Dev 30.95
pull1D
Entries 65
Mean −0.02541
Std Dev 0.8978

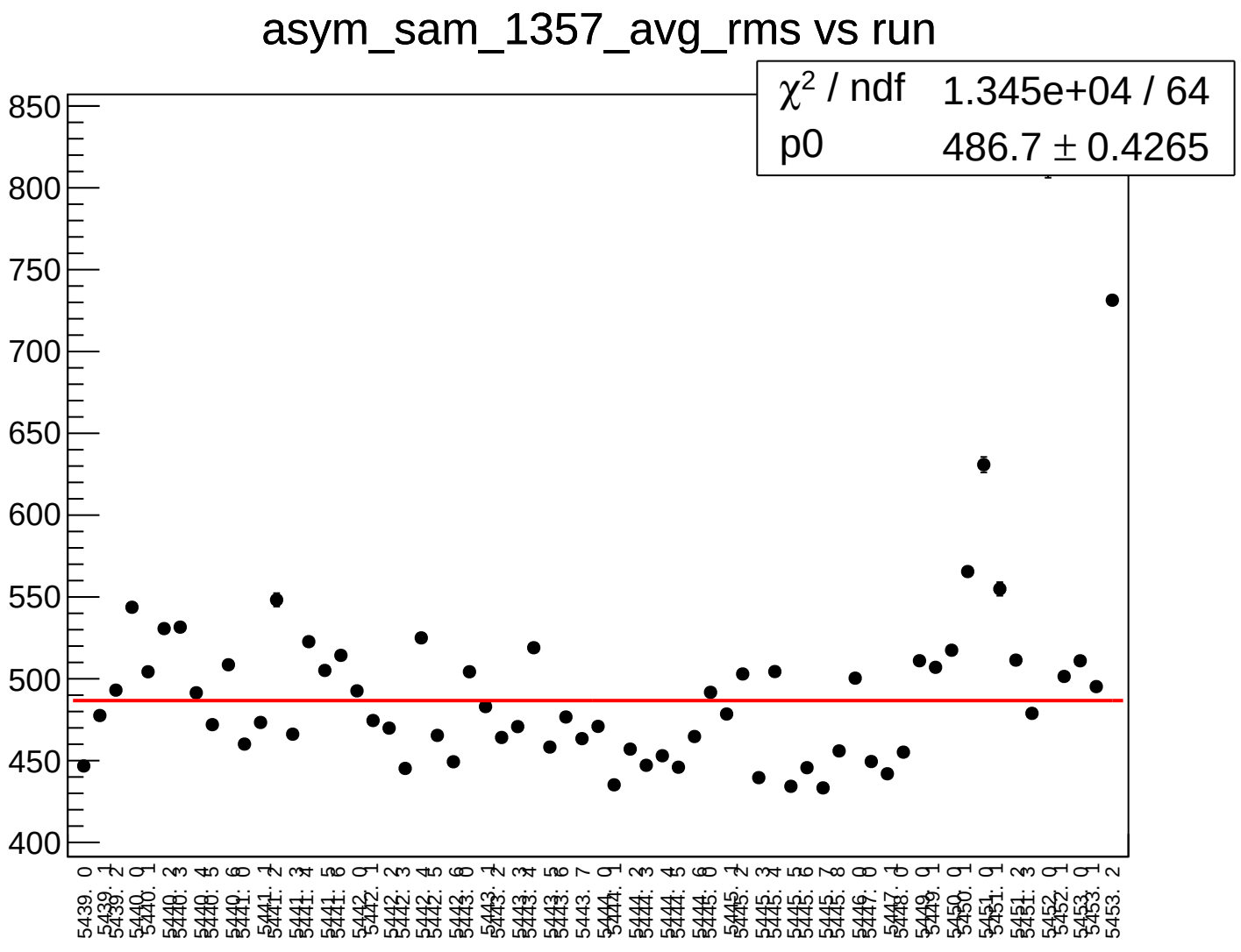

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 8.315e+04 / 64
p0 73.94 ± 0.0666
700
600
500
400
300
200
100

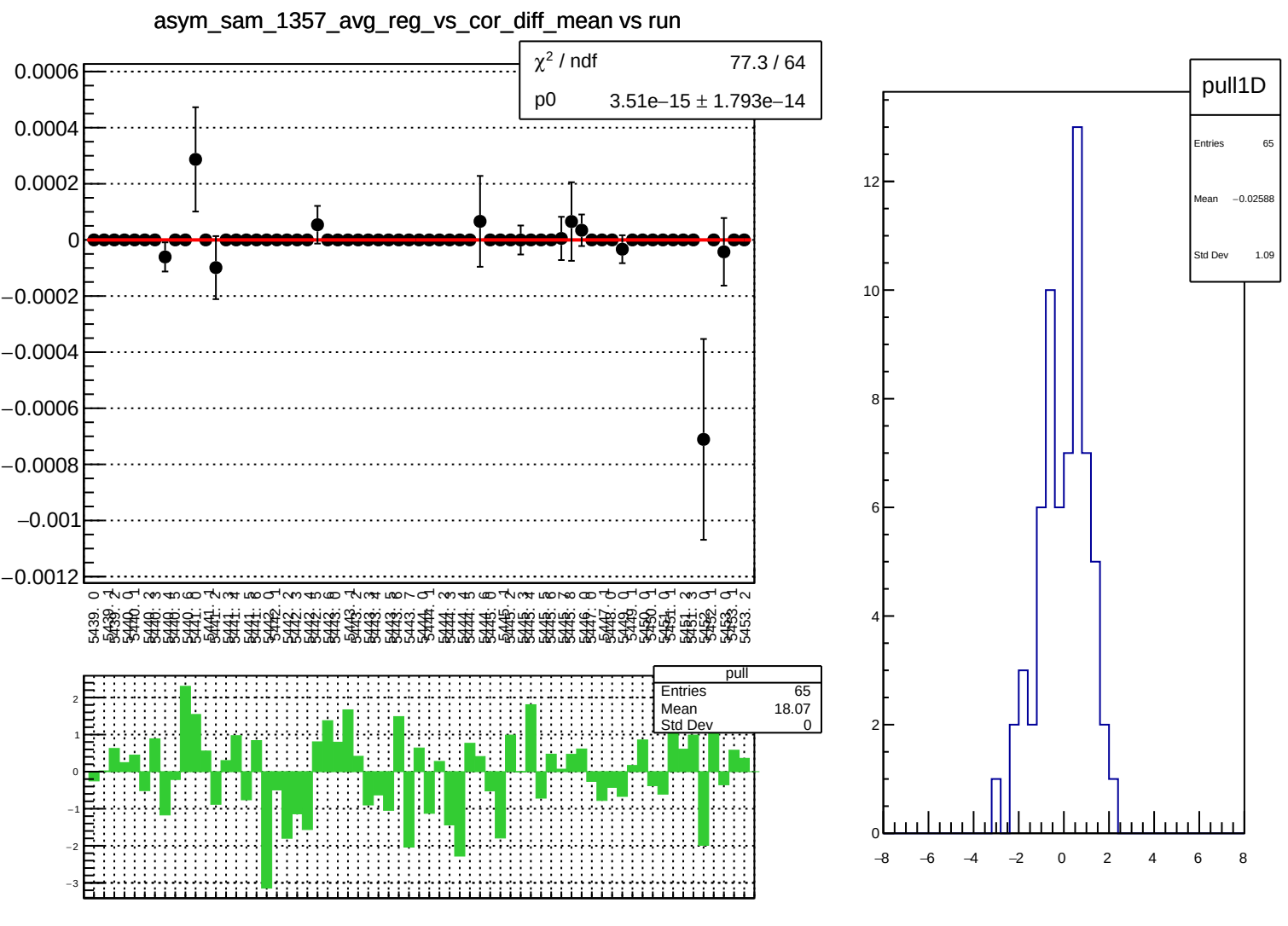

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.37 / 64
p0 −1023 ± 551.2
pull
Entries 65
Mean −49.24
Std Dev 0
pull1D
Entries 65
Mean −0.03282
Std Dev 1.062

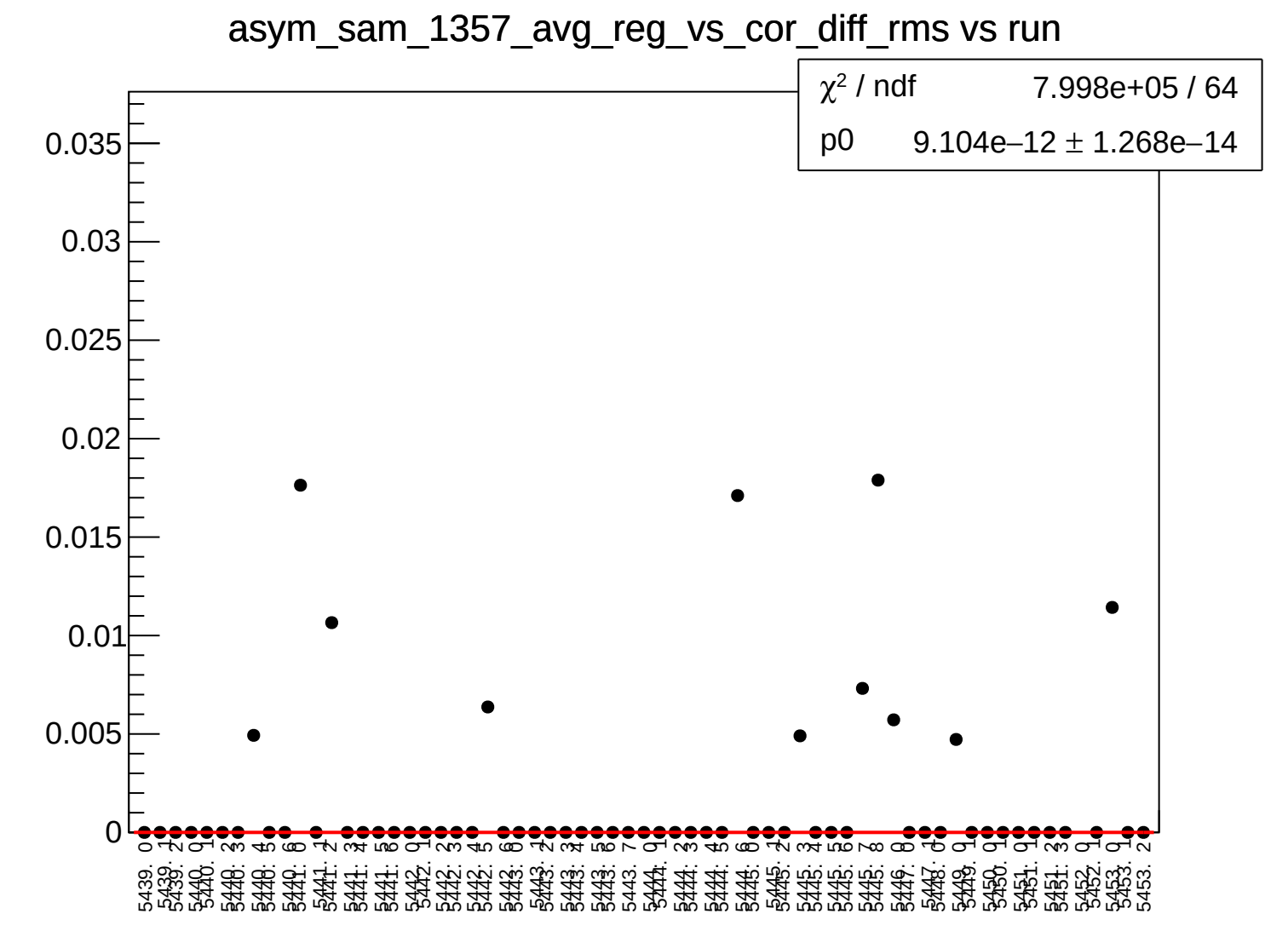

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 3886 / 64
p0 446.4 ± 0.3897
520
500
480
460
440
420
400
380
360

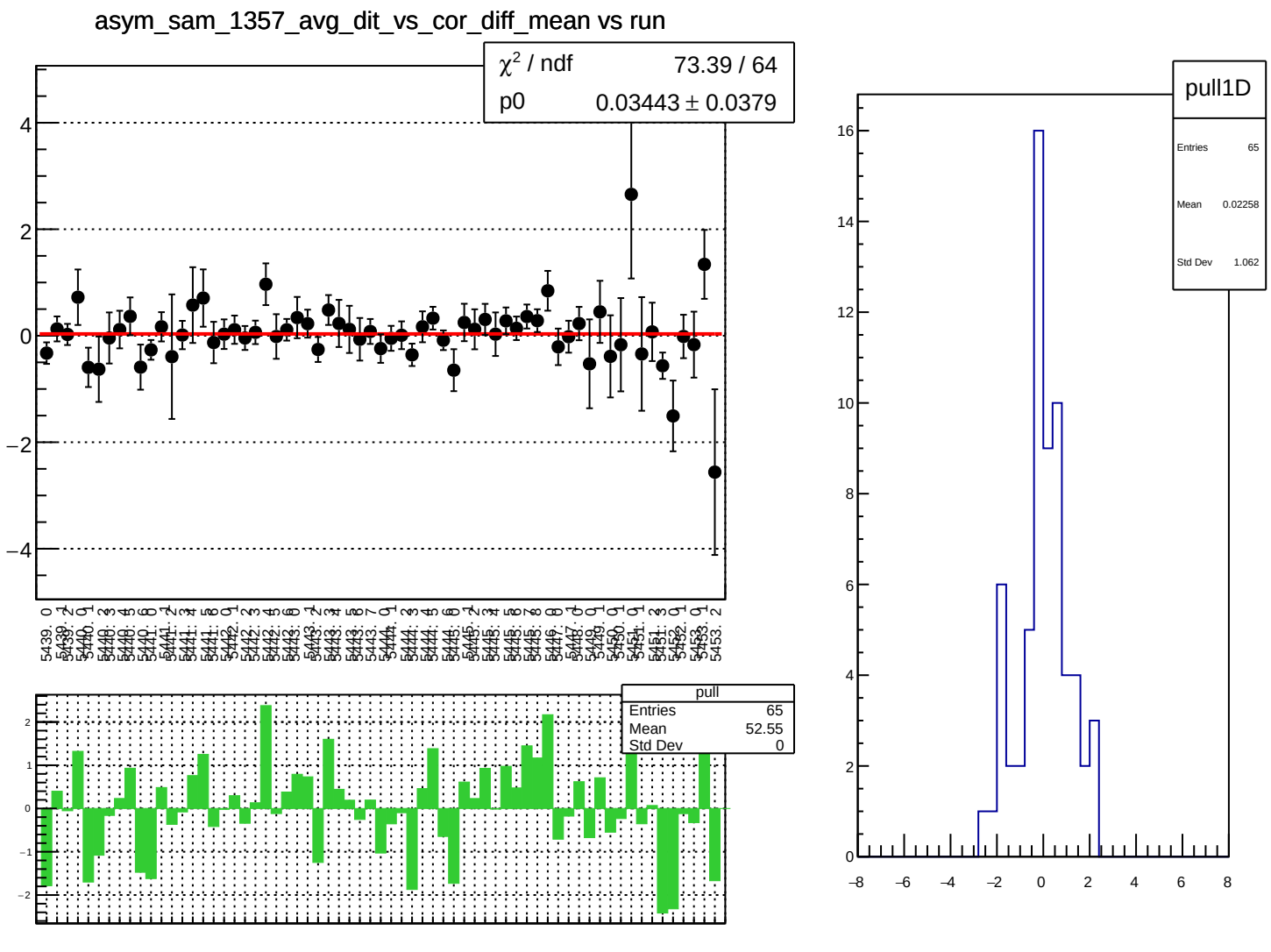

asym_sam_1357_avg_mean vs run
χ² / ndf 70.16 / 64
p0 1359 ± 603.2
pull
Entries 65
Mean −2814
Std Dev 0

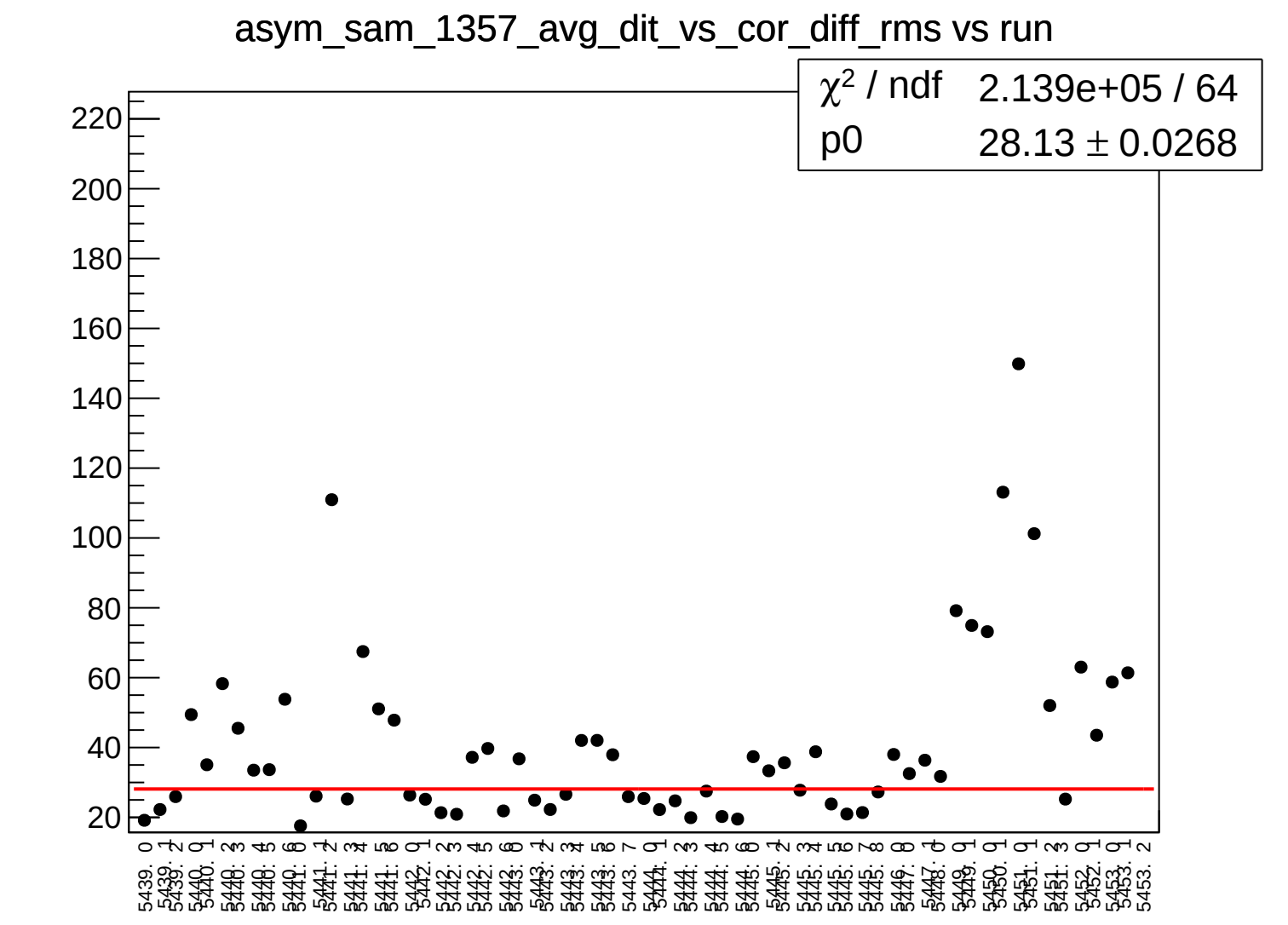

pull1D
Entries 65
Mean 0.0009344
Std Dev 1.039

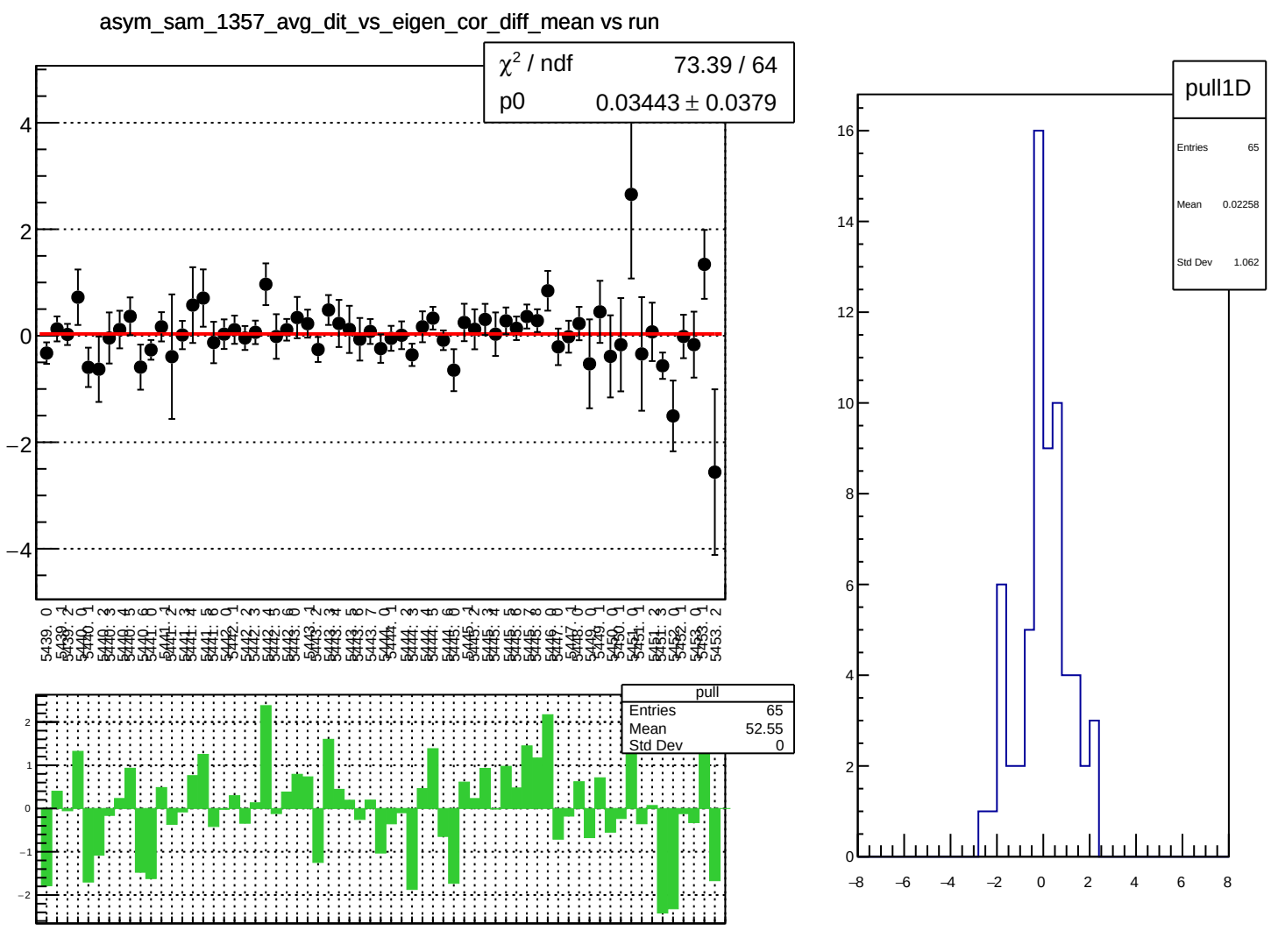

asym_sam_1357_avg_rms vs run
χ² / ndf 1.345e+04 / 64
p0 486.7 ± 0.4265
850
800
750
700
650
600
550
500
450
400

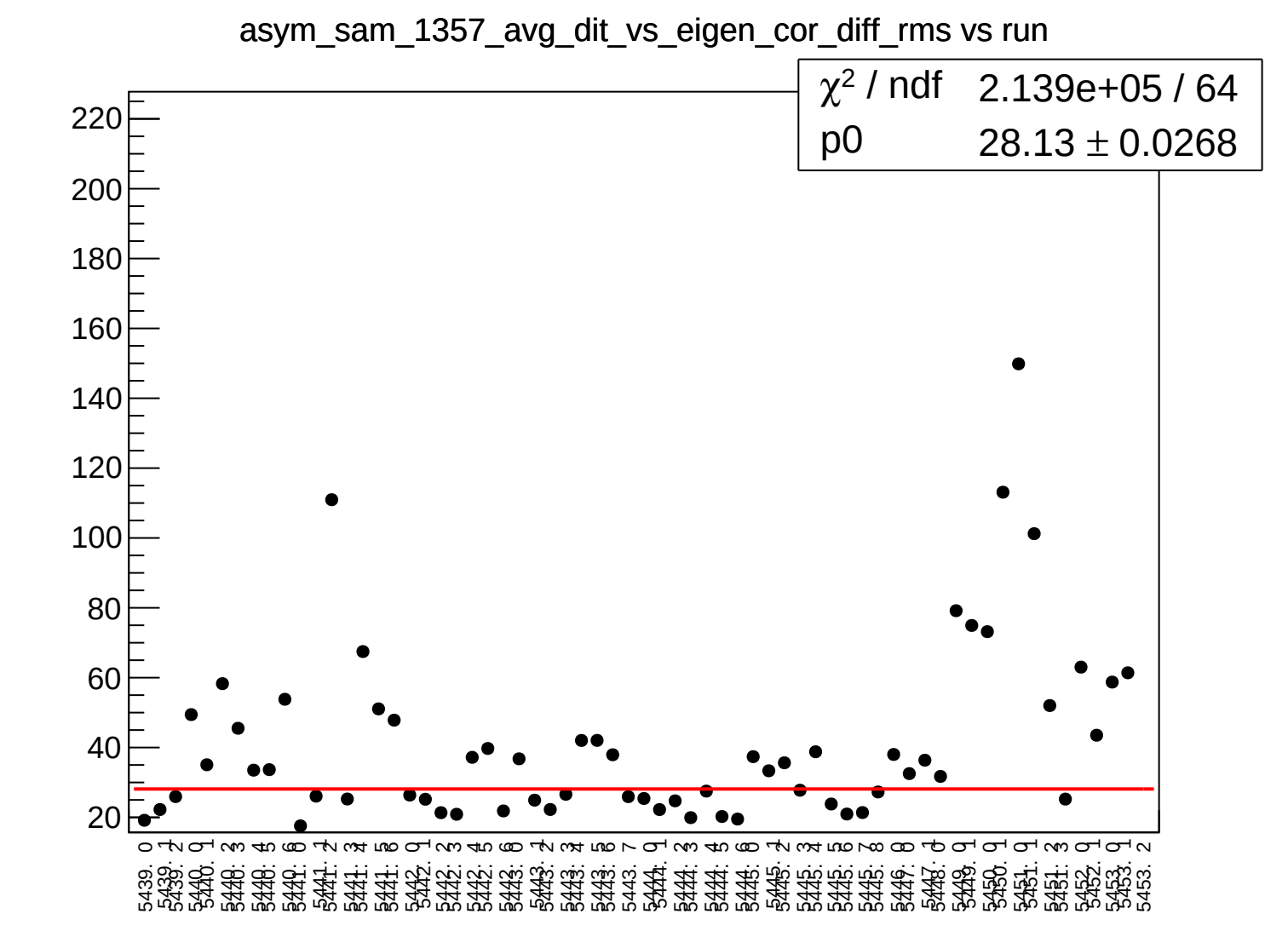

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.3 / 64
p0 3.51e−15 ± 1.793e−14
pull
Entries 65
Mean 18.07
Std Dev 0
pull1D
Entries 65
Mean −0.02588
Std Dev 1.09

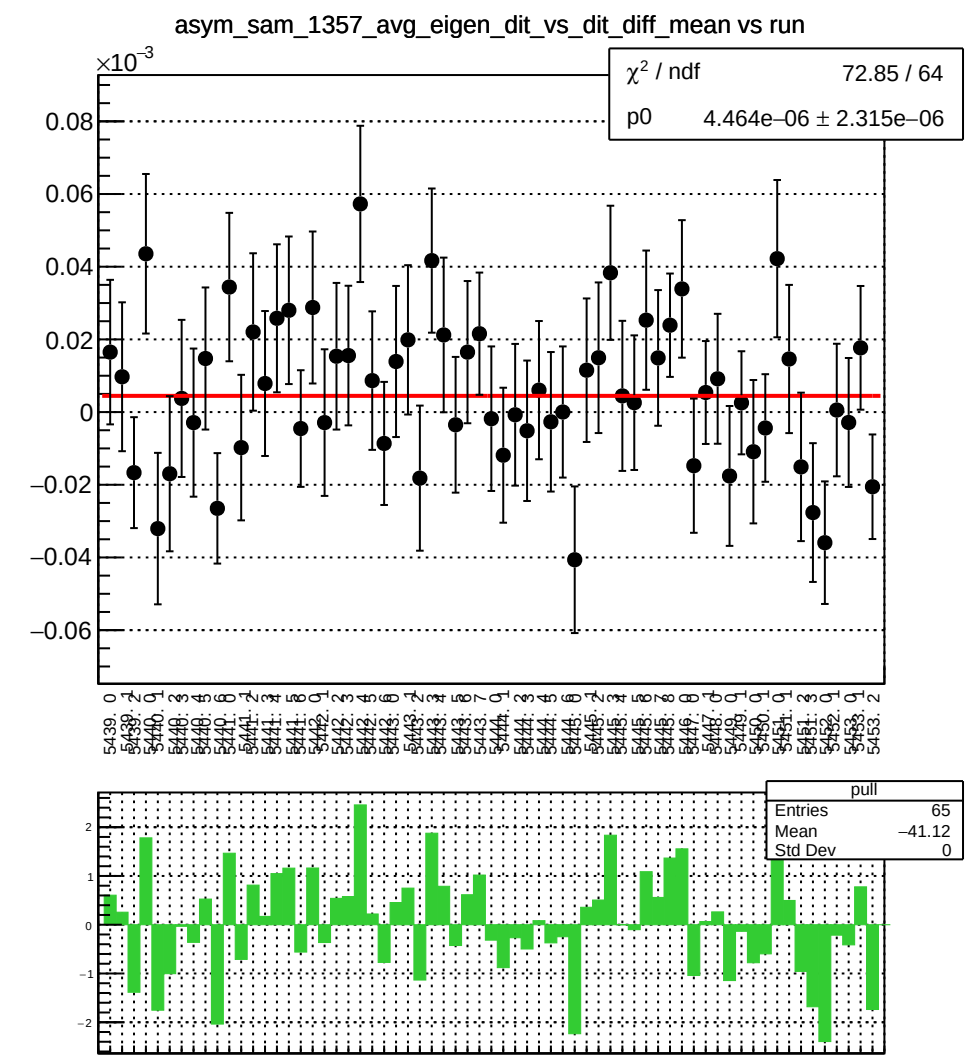

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.998e+05 / 64
p0 9.104e−12 ± 1.268e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

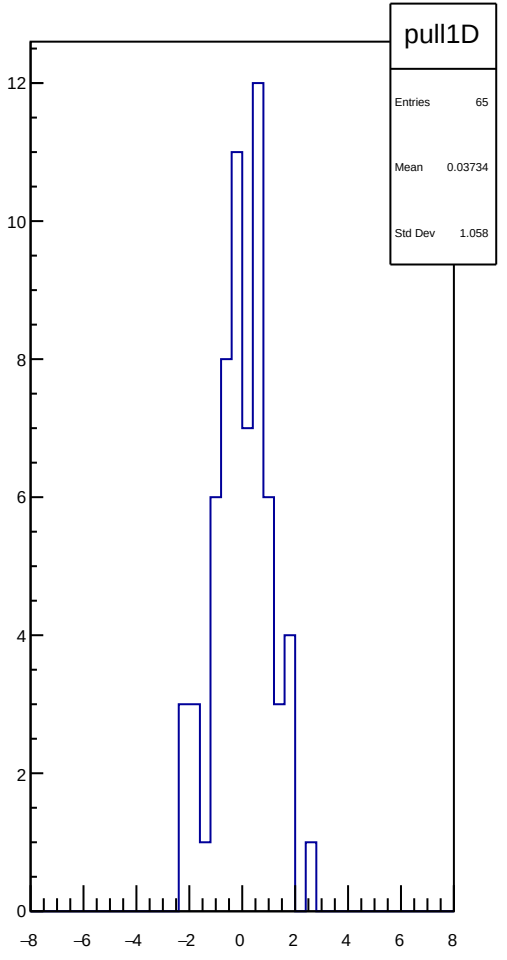

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.39 / 64
p0 0.03443 ± 0.0379
pull
Entries 65
Mean 52.55
Std Dev 0
pull1D
Entries 65
Mean 0.02258
Std Dev 1.062

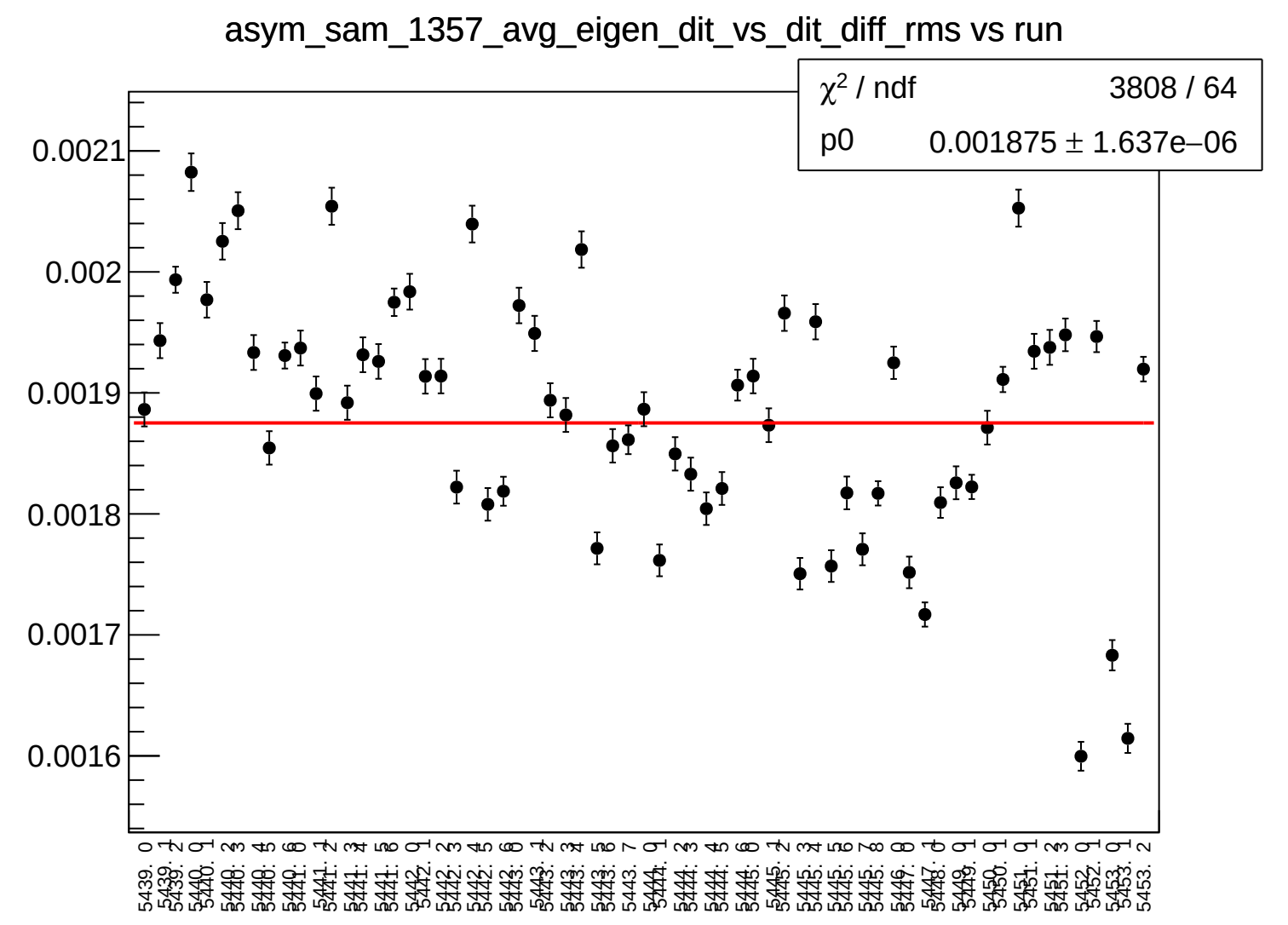

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.139e+05 / 64
p0 28.13 ± 0.0268
220
200
180
160
140
120
100
80
60
40
20

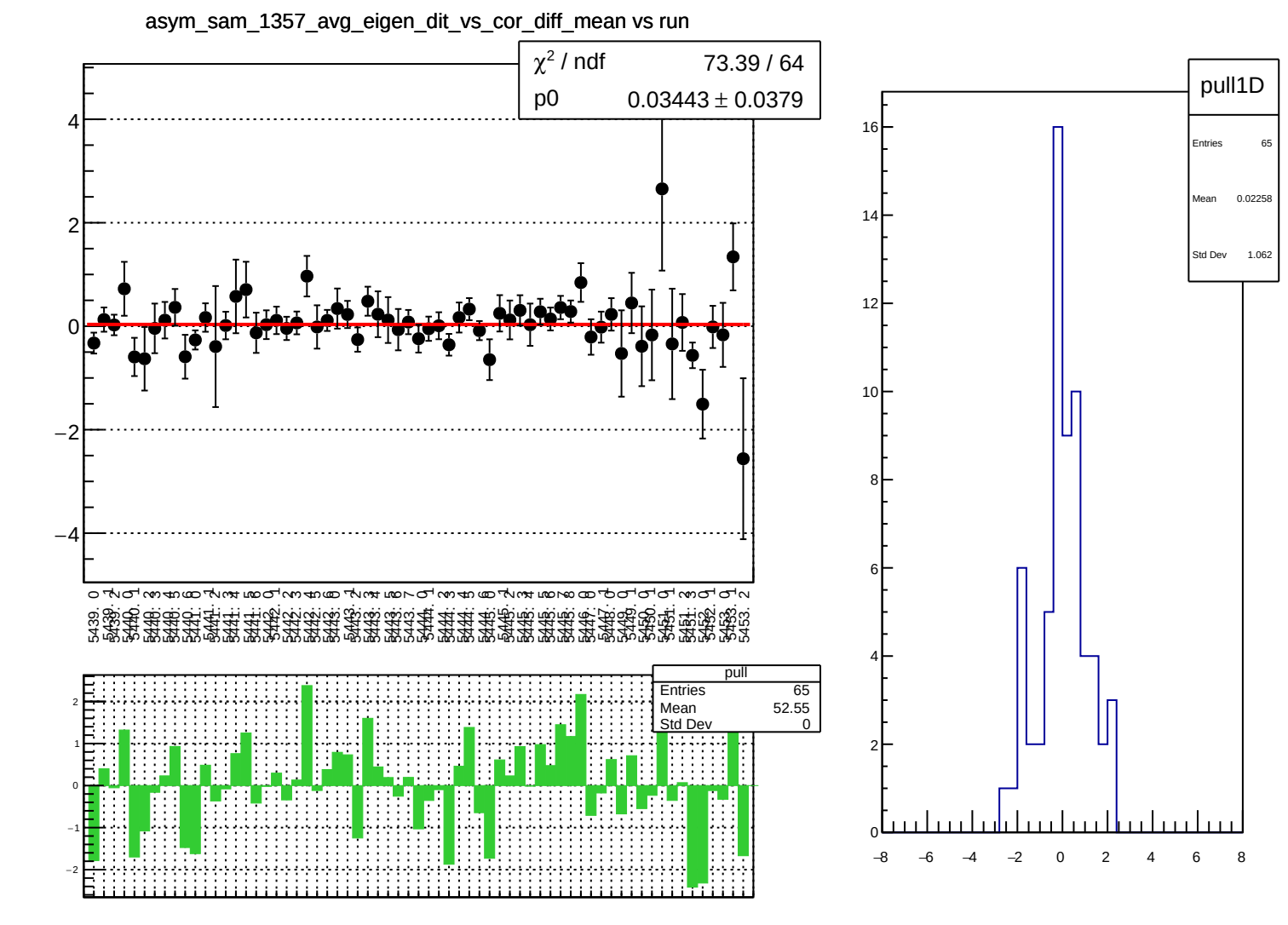

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.39 / 64
p0 0.03443 ± 0.0379
pull
Entries 65
Mean 52.55
Std Dev 0
pull1D
Entries 65
Mean 0.02258
Std Dev 1.062

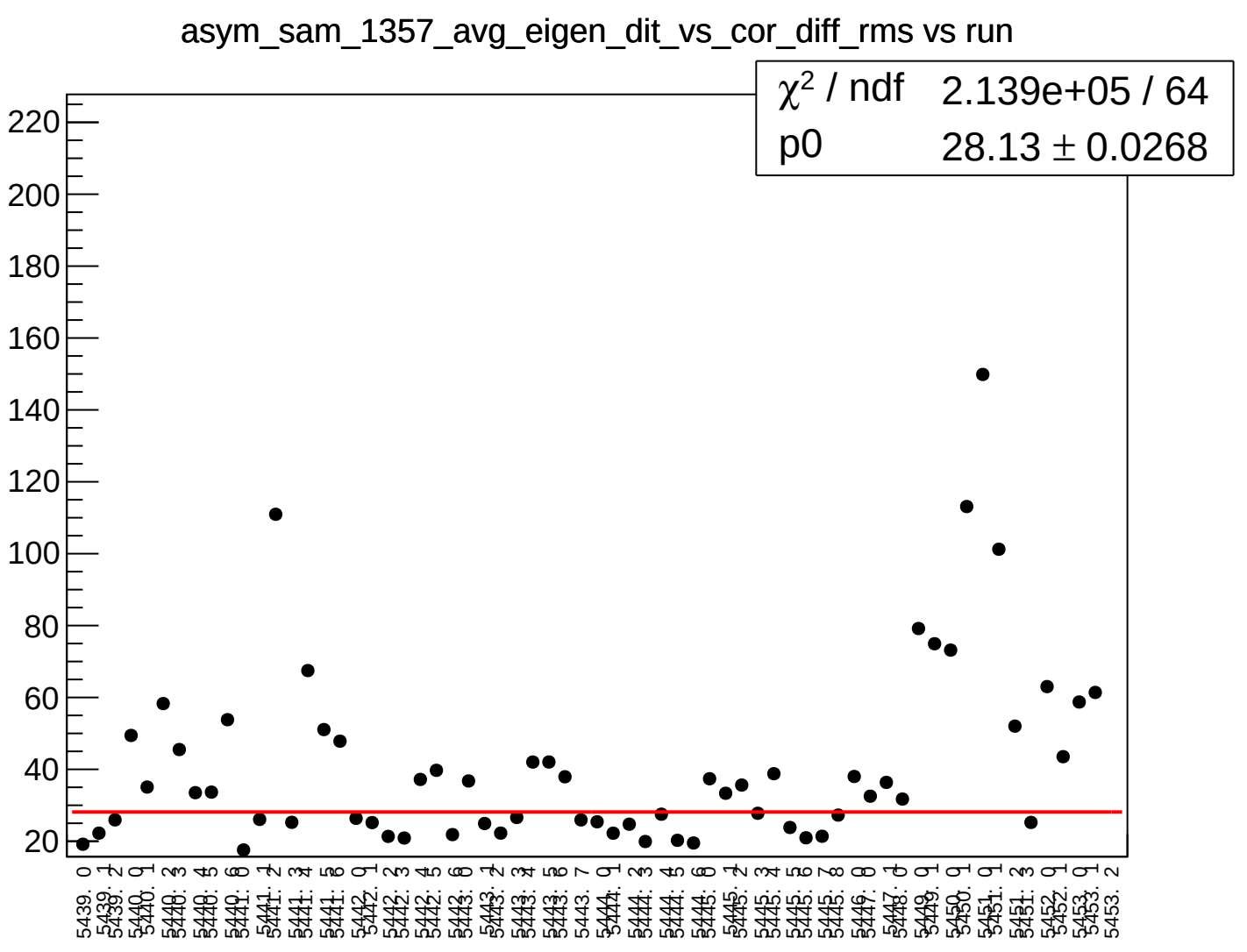

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.139e+05 / 64
p0 28.13 ± 0.0268
220
200
180
160
140
120
100
80
60
40
20

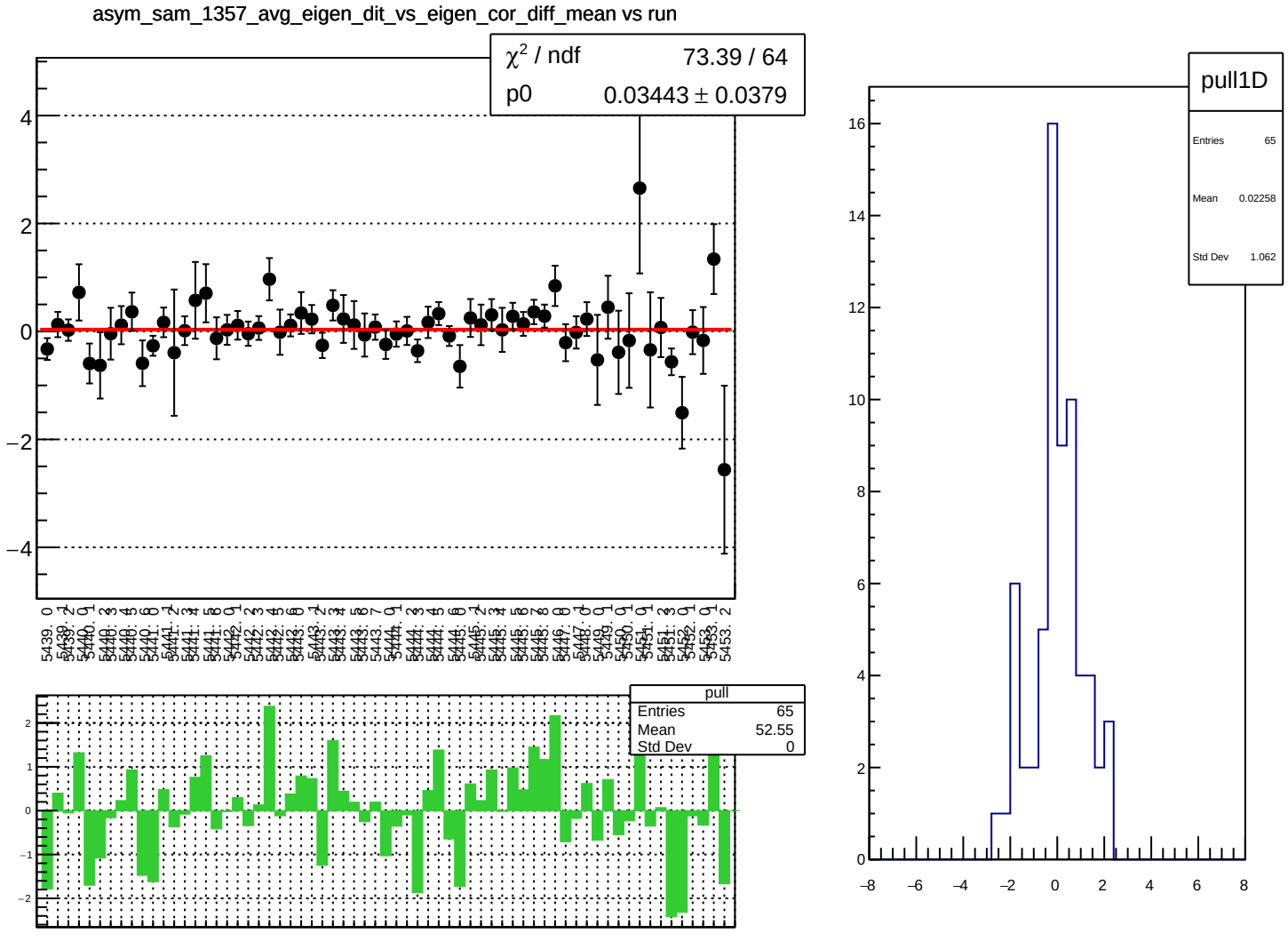

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.85 / 64
p0 4.464e−06 ± 2.315e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 65
Mean −41.12
Std Dev 0
2
1
0
−1
−2

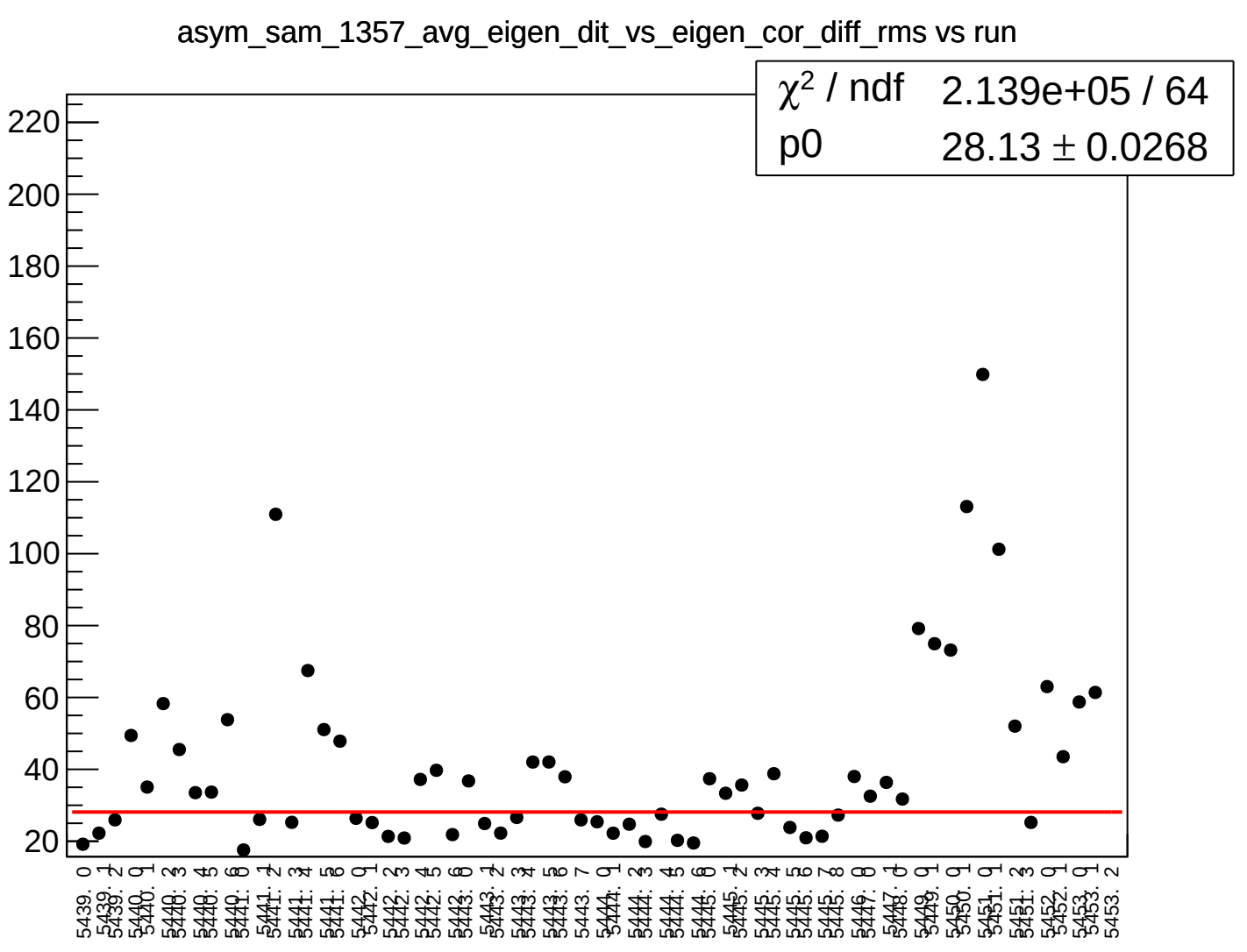

pull1D
Entries 65
Mean 0.03734
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

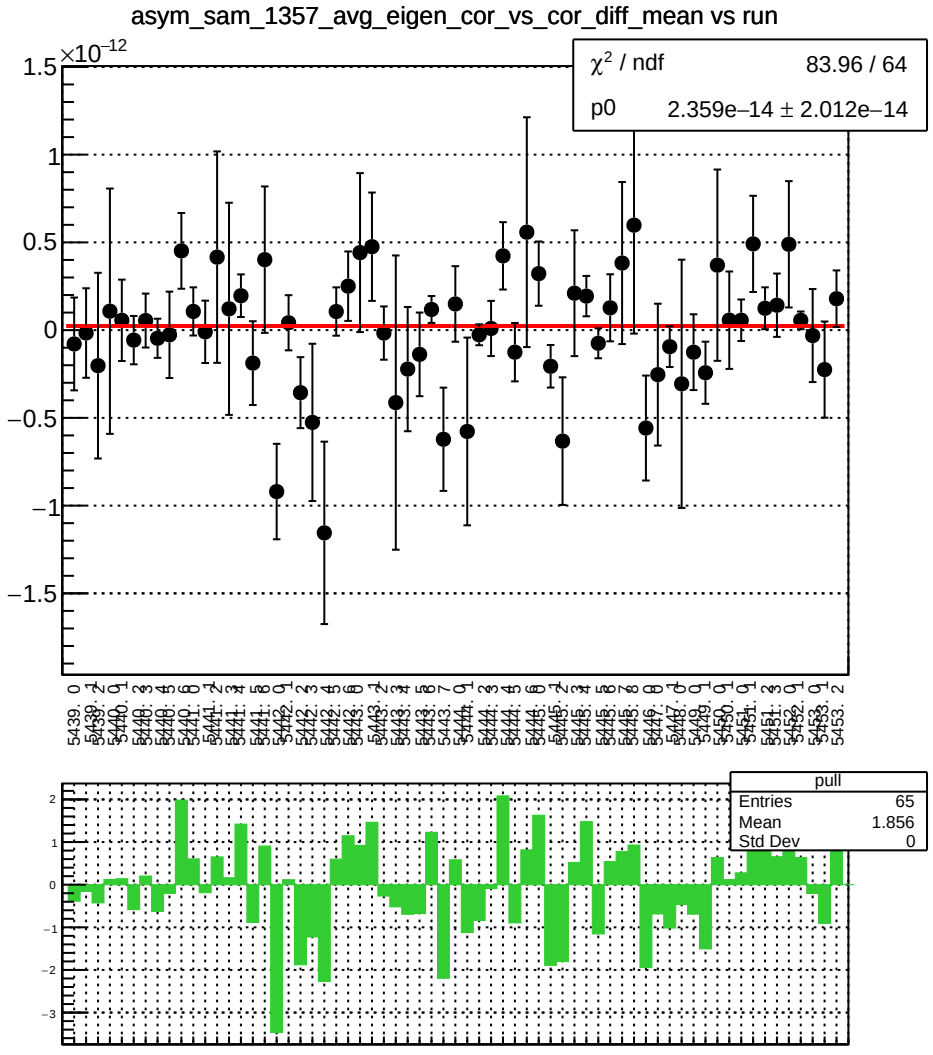

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3808 / 64
p0 0.001875 ± 1.637e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

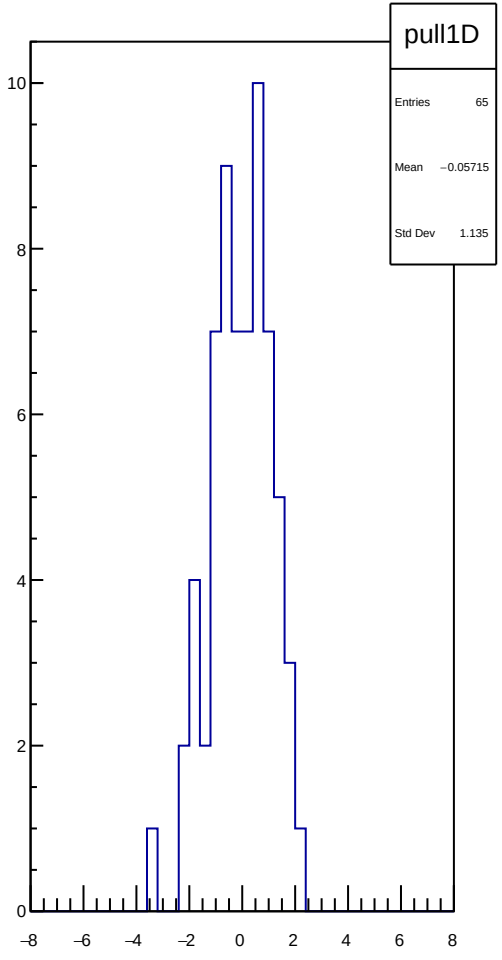

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.39 / 64
p0 0.03443 ± 0.0379
pull
Entries 65
Mean 52.55
Std Dev 0
pull1D
Entries 65
Mean 0.02258
Std Dev 1.062

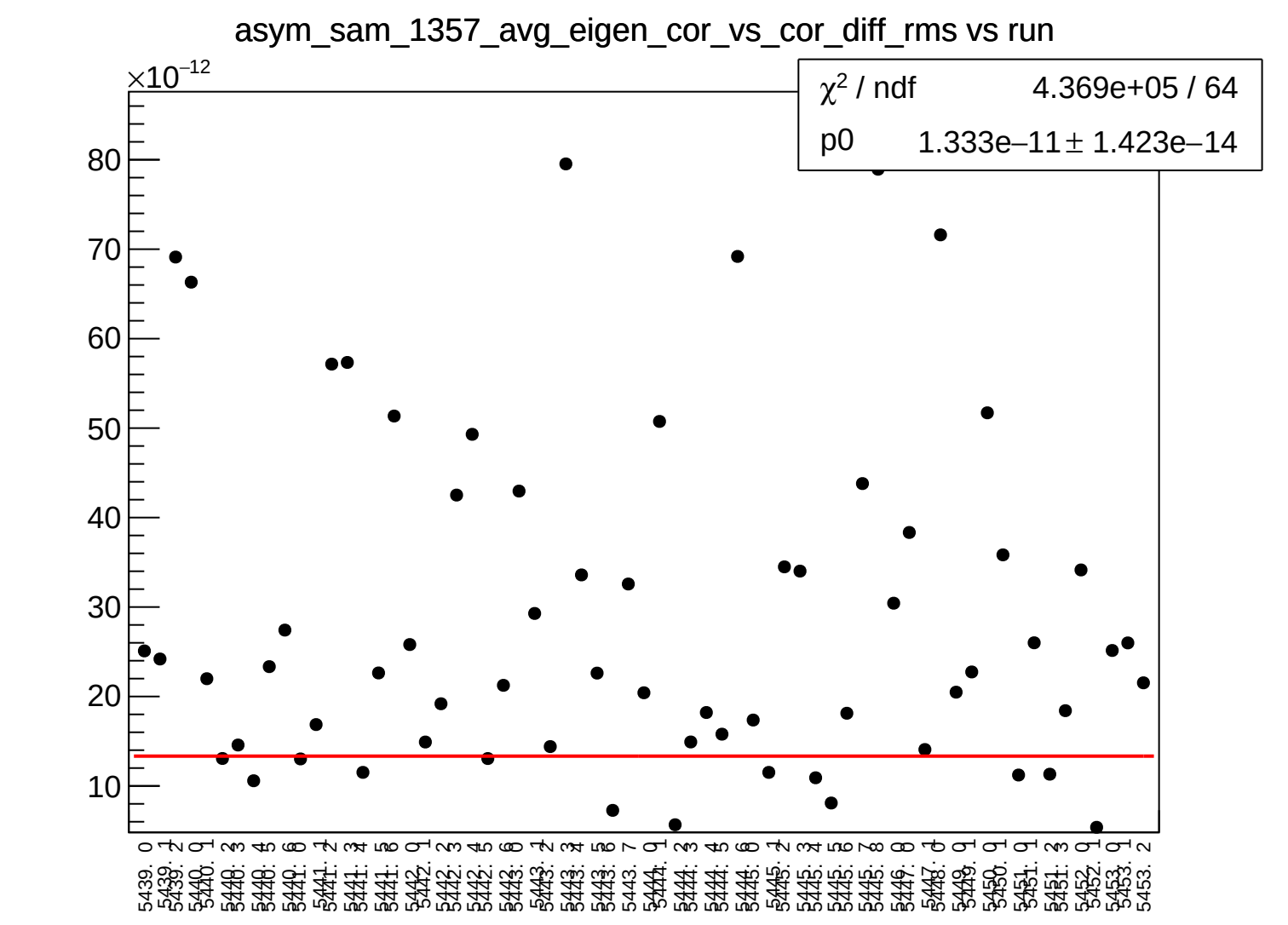

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.139e+05 / 64
p0 28.13 ± 0.0268
220
200
180
160
140
120
100
80
60
40
20

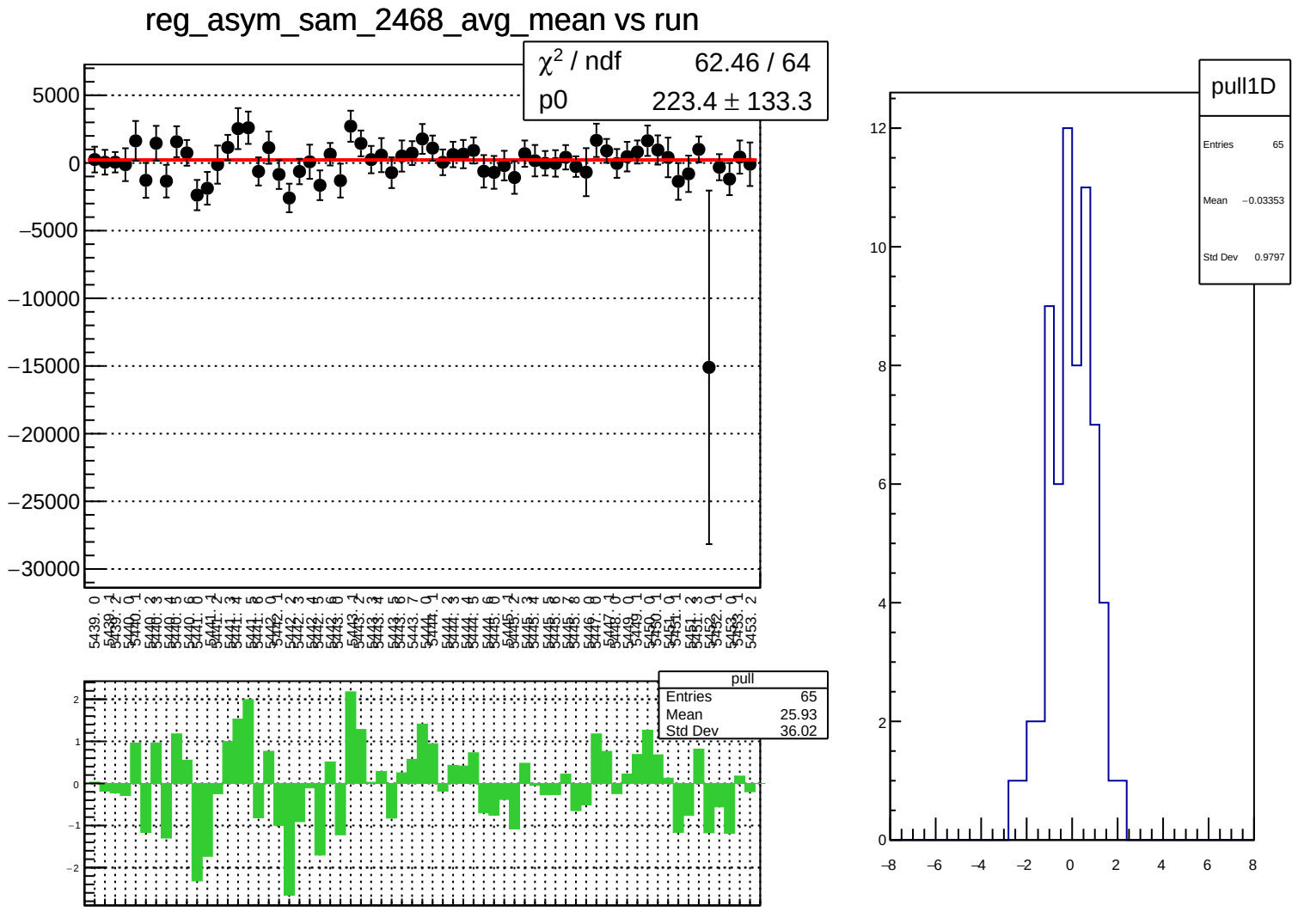

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.39 / 64
p0 0.03443 ± 0.0379
pull
Entries 65
Mean 52.55
Std Dev 0
pull1D
Entries 65
Mean 0.02258
Std Dev 1.062

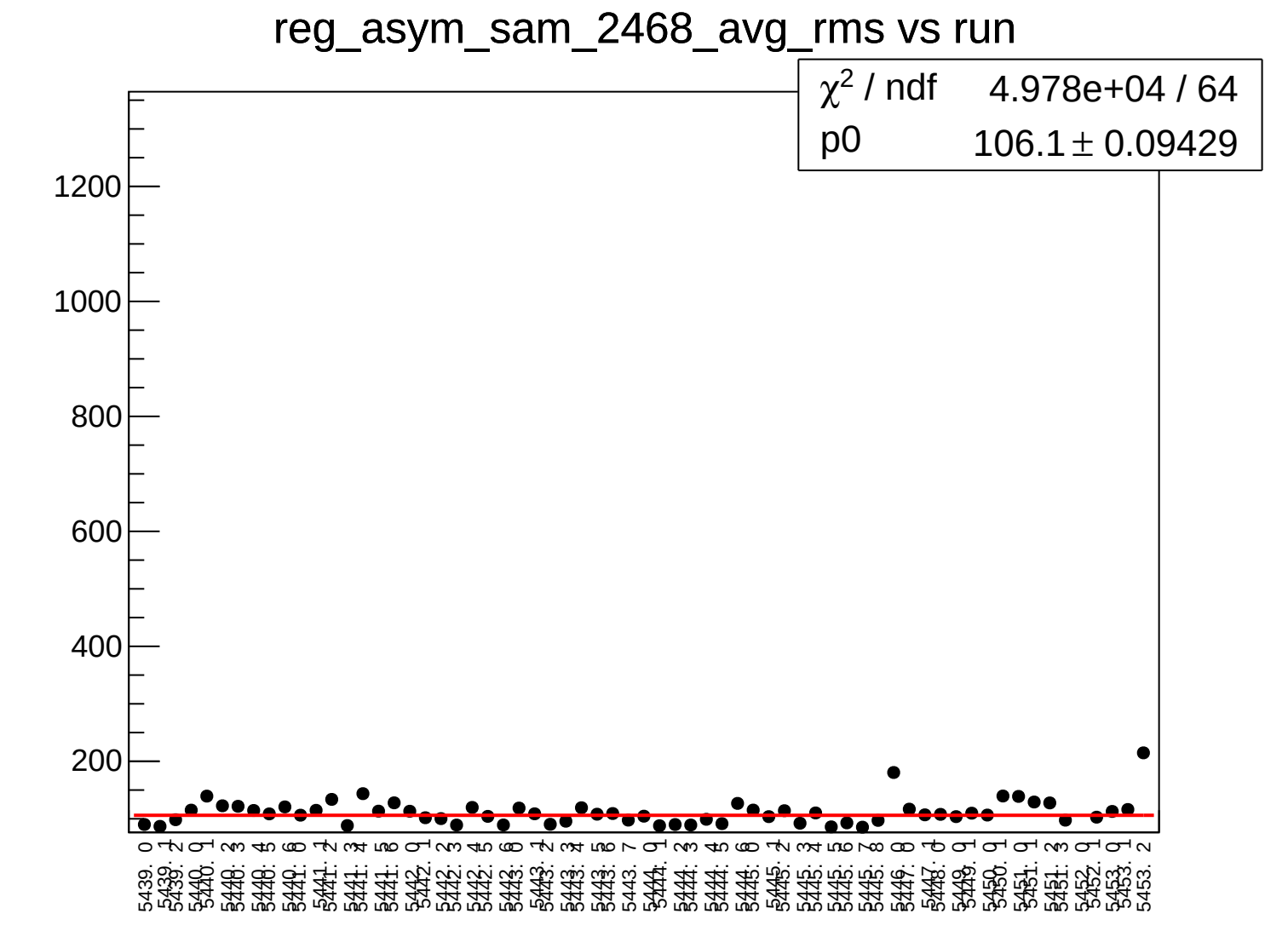

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.139e+05 / 64
p0 28.13 ± 0.0268
220
200
180
160
140
120
100
80
60
40
20

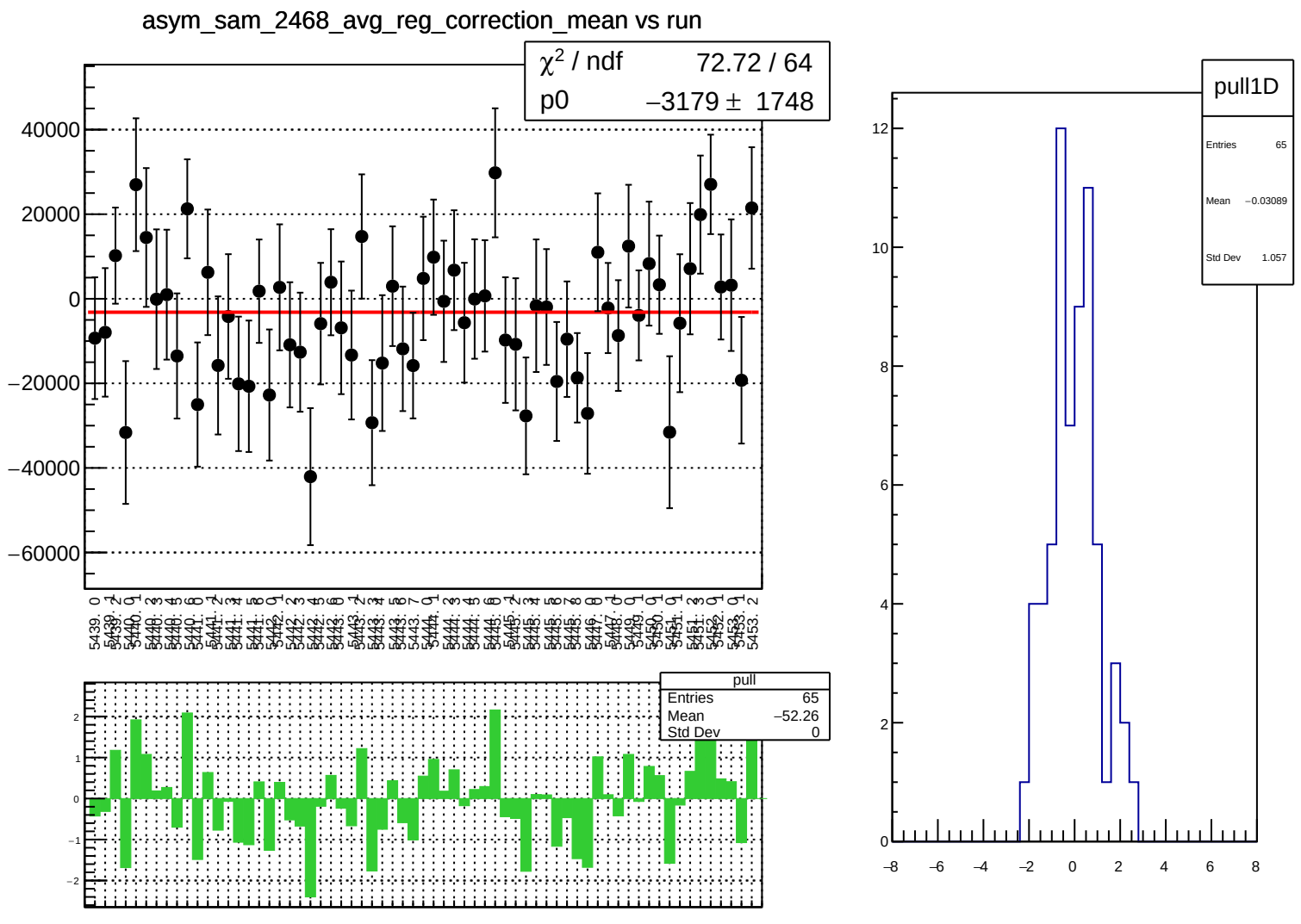

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.96 / 64
p0 2.359e−14 ± 2.012e−14
pull
Entries 65
Mean 1.856
Std Dev 0

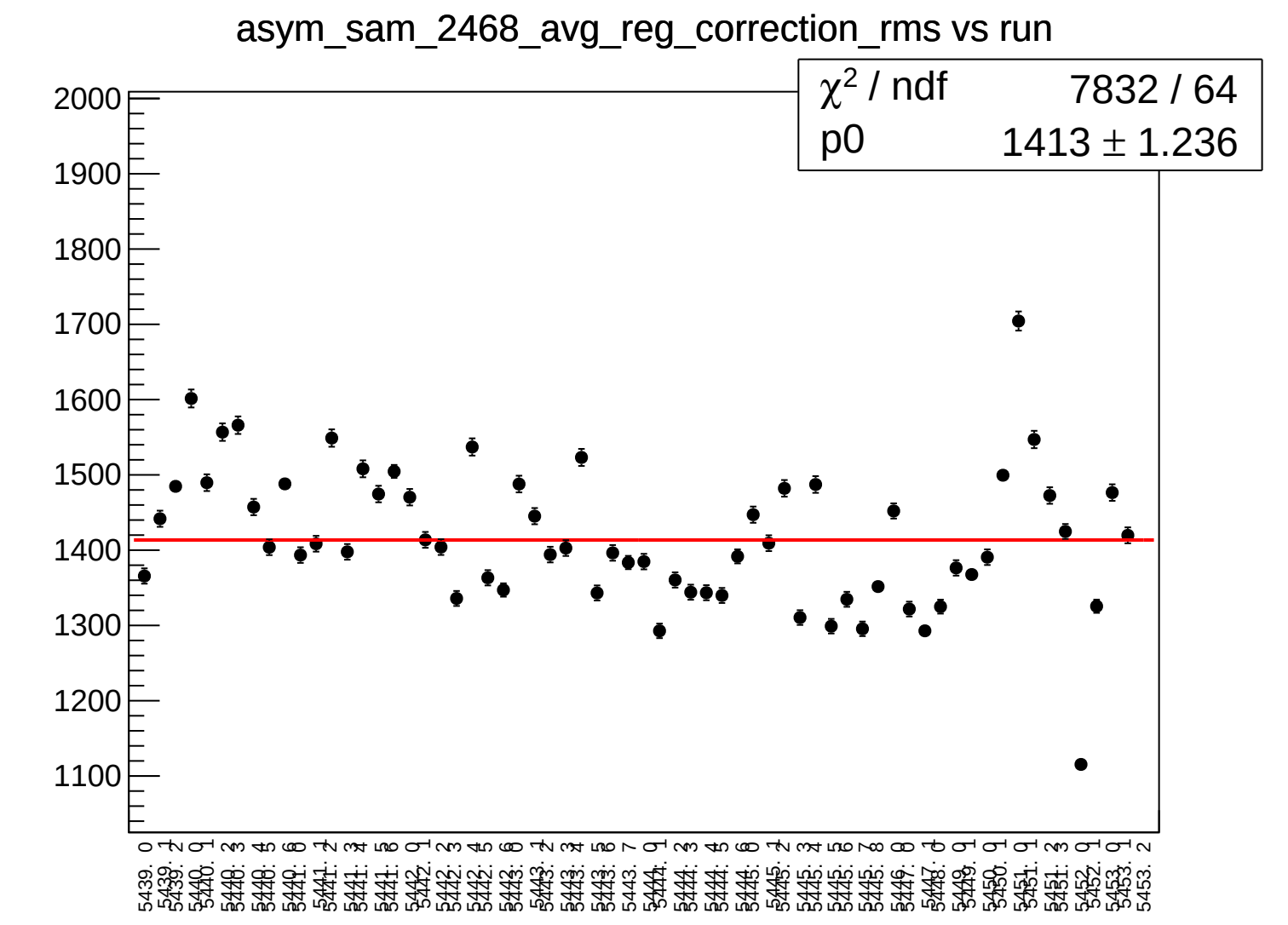

pull1D
Entries 65
Mean −0.05715
Std Dev 1.135

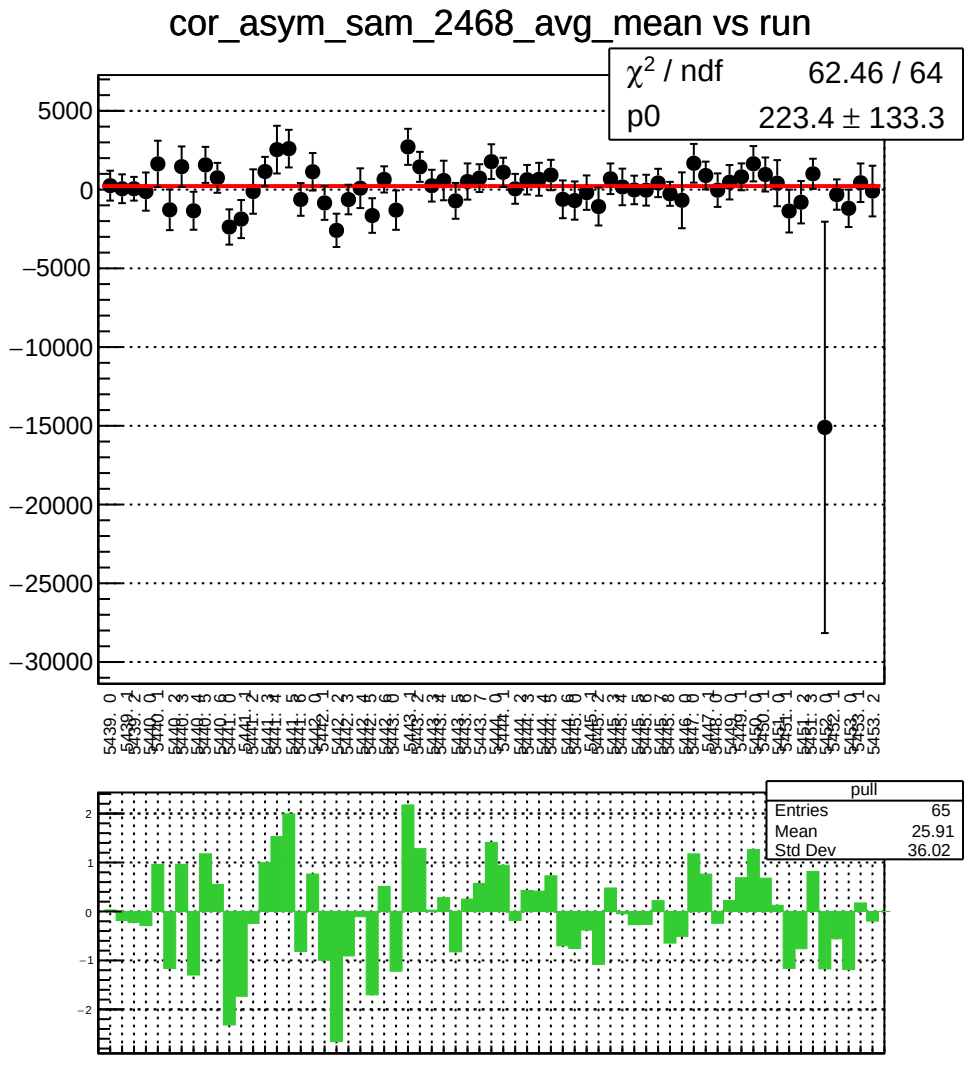

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.369e+05 / 64
p0 1.333e−11 ± 1.423e−14
80
70
60
50
40
30
20
10

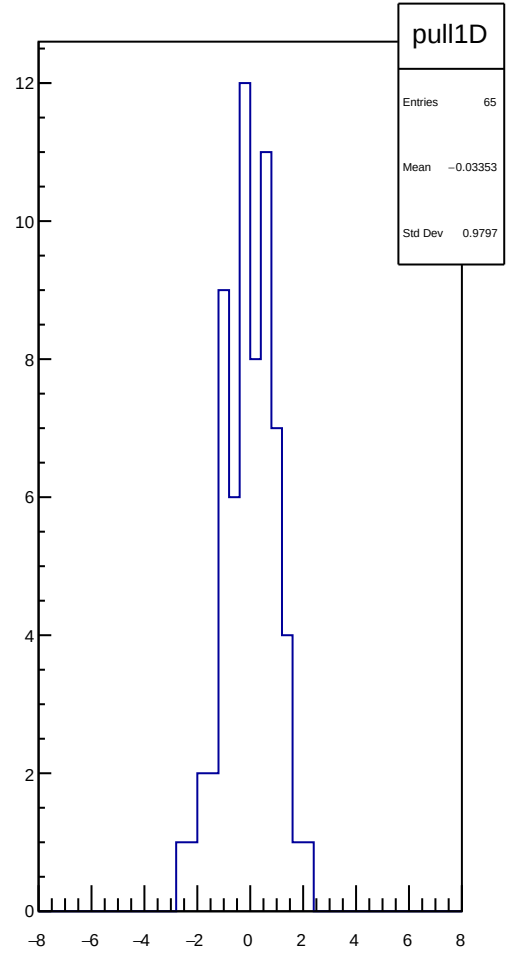

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 62.46 / 64
p0 223.4 ± 133.3
pull
Entries 65
Mean 25.93
Std Dev 36.02
pull1D
Entries 65
Mean −0.03353
Std Dev 0.9797

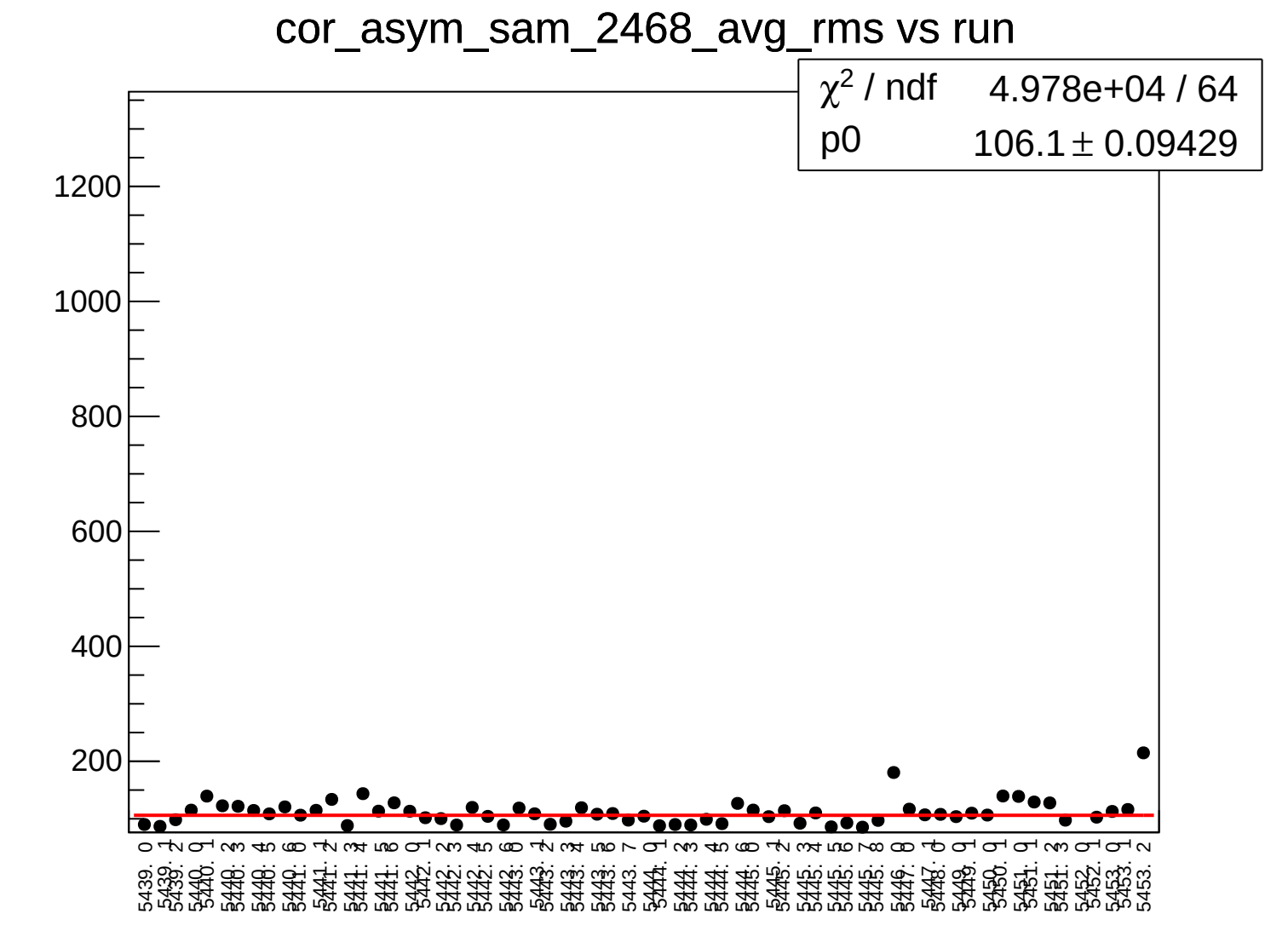

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 4.978e+04 / 64
p0 106.1 ± 0.09429
1200
1000
800
600
400
200

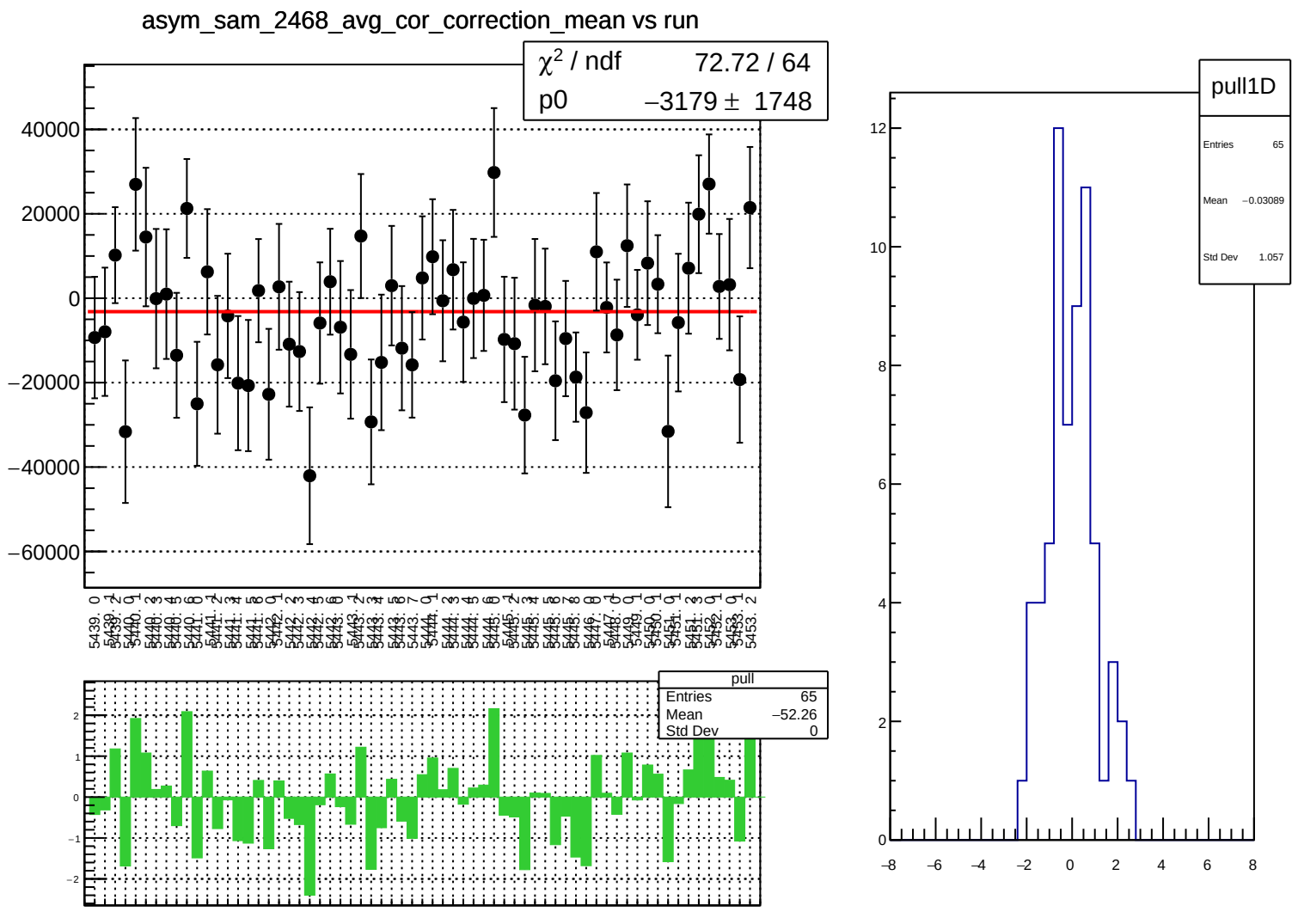

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 72.72 / 64
p0 −3179 ± 1748
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −52.26
Std Dev 0
pull1D
Entries 65
Mean −0.03089
Std Dev 1.057

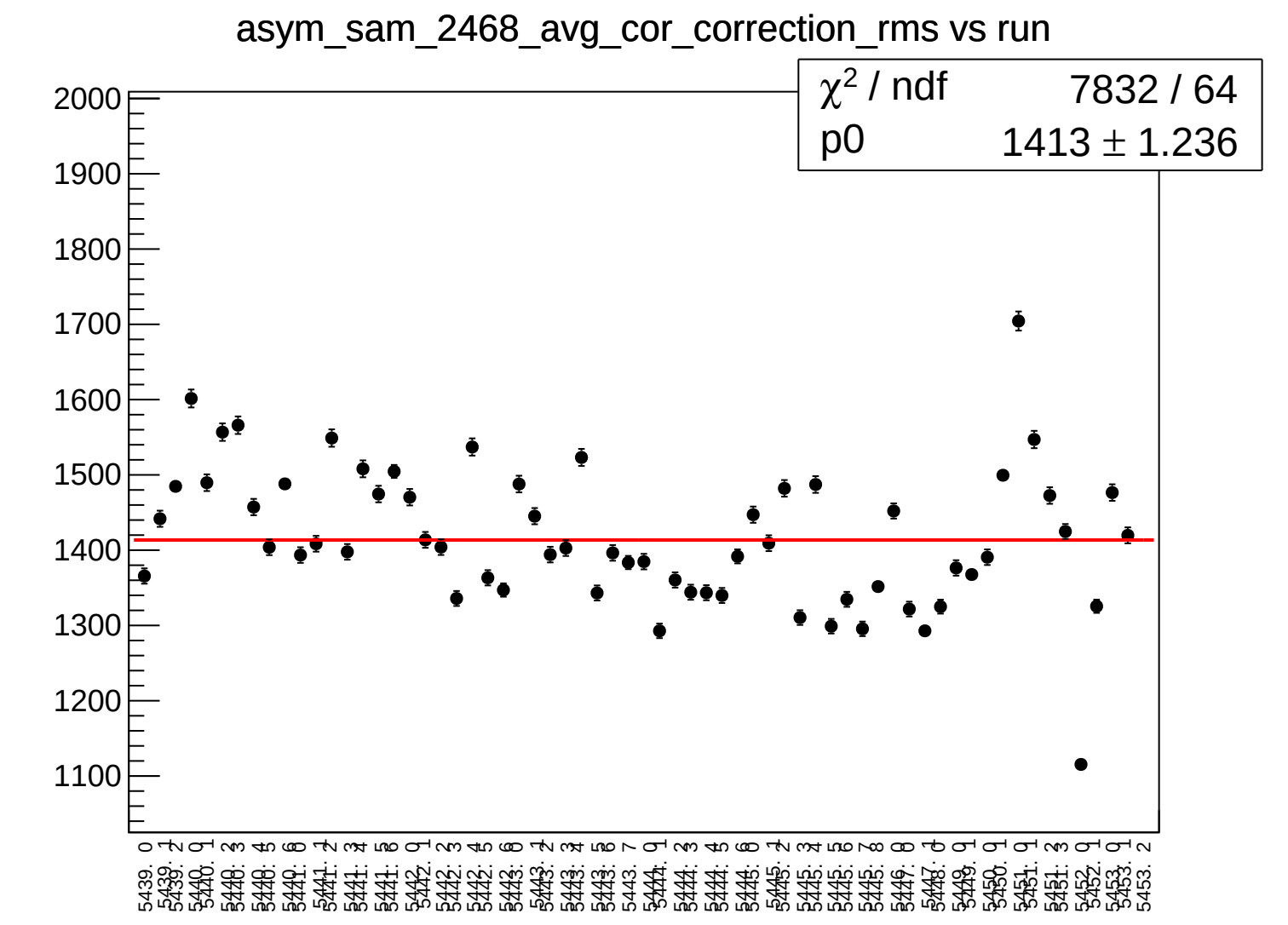

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 7832 / 64
p0 1413 ± 1.236
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100

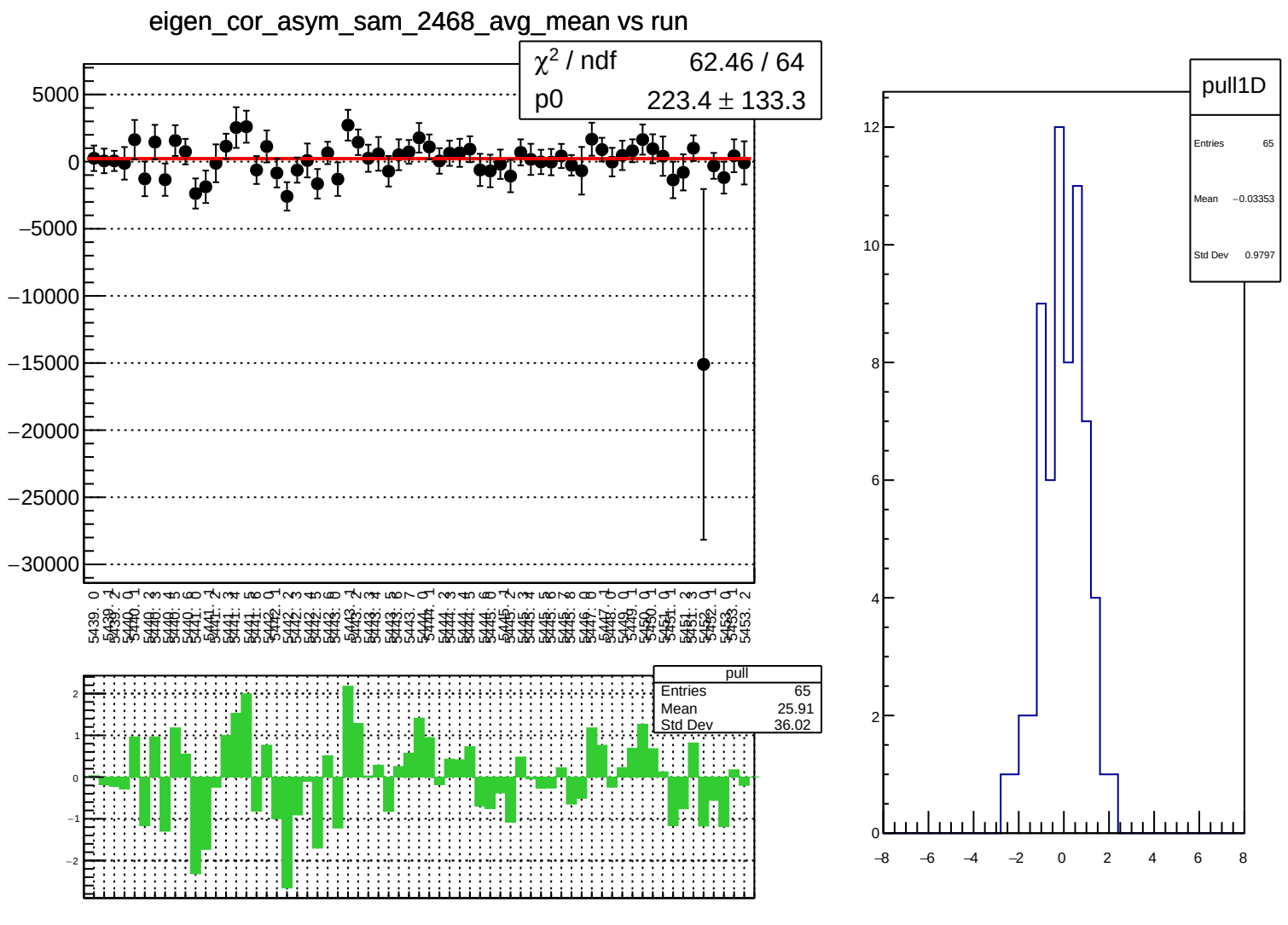

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 62.46 / 64
p0 223.4 ± 133.3
pull
Entries 65
Mean 25.91
Std Dev 36.02

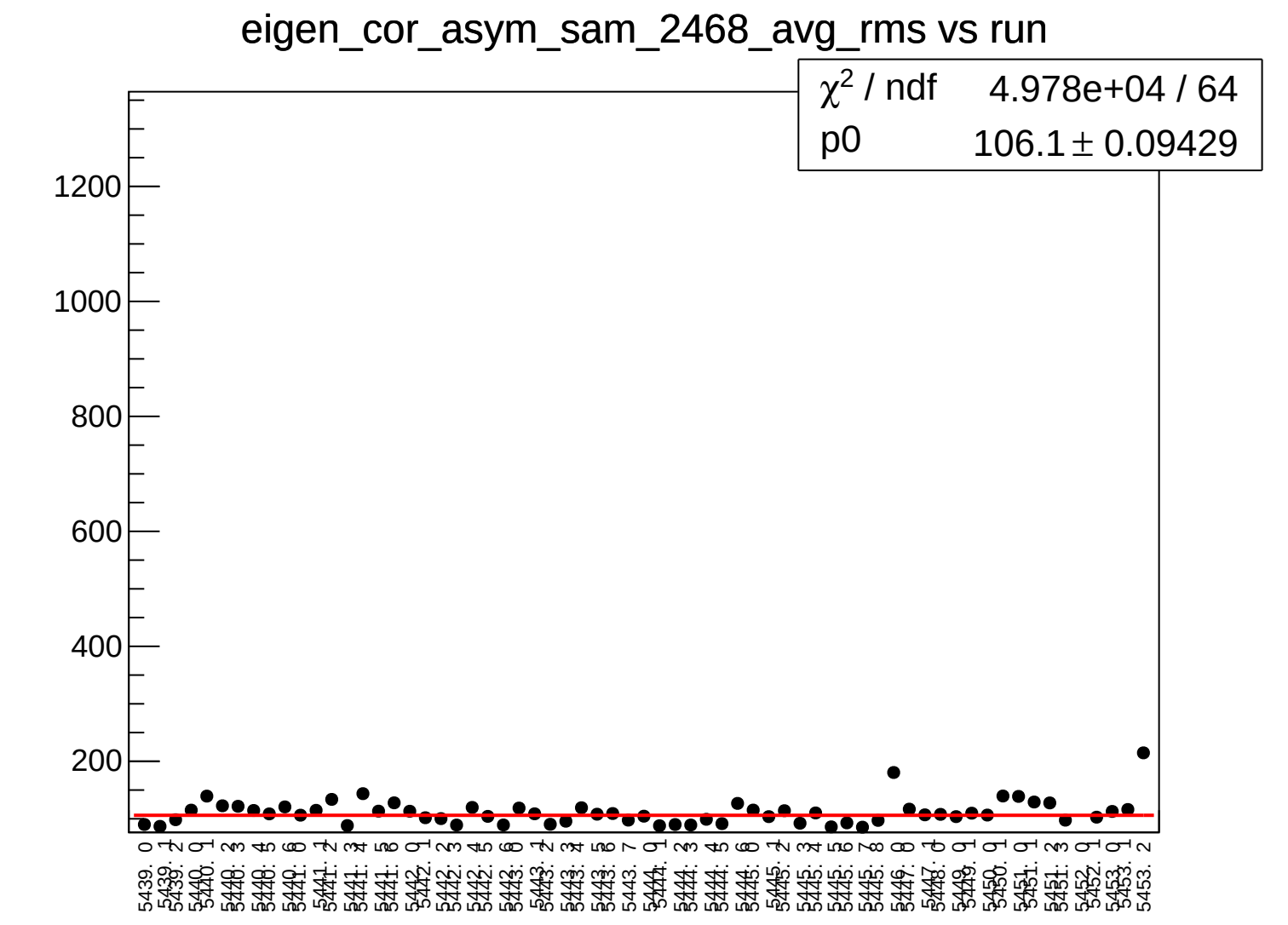

pull1D
Entries 65
Mean −0.03353
Std Dev 0.9797

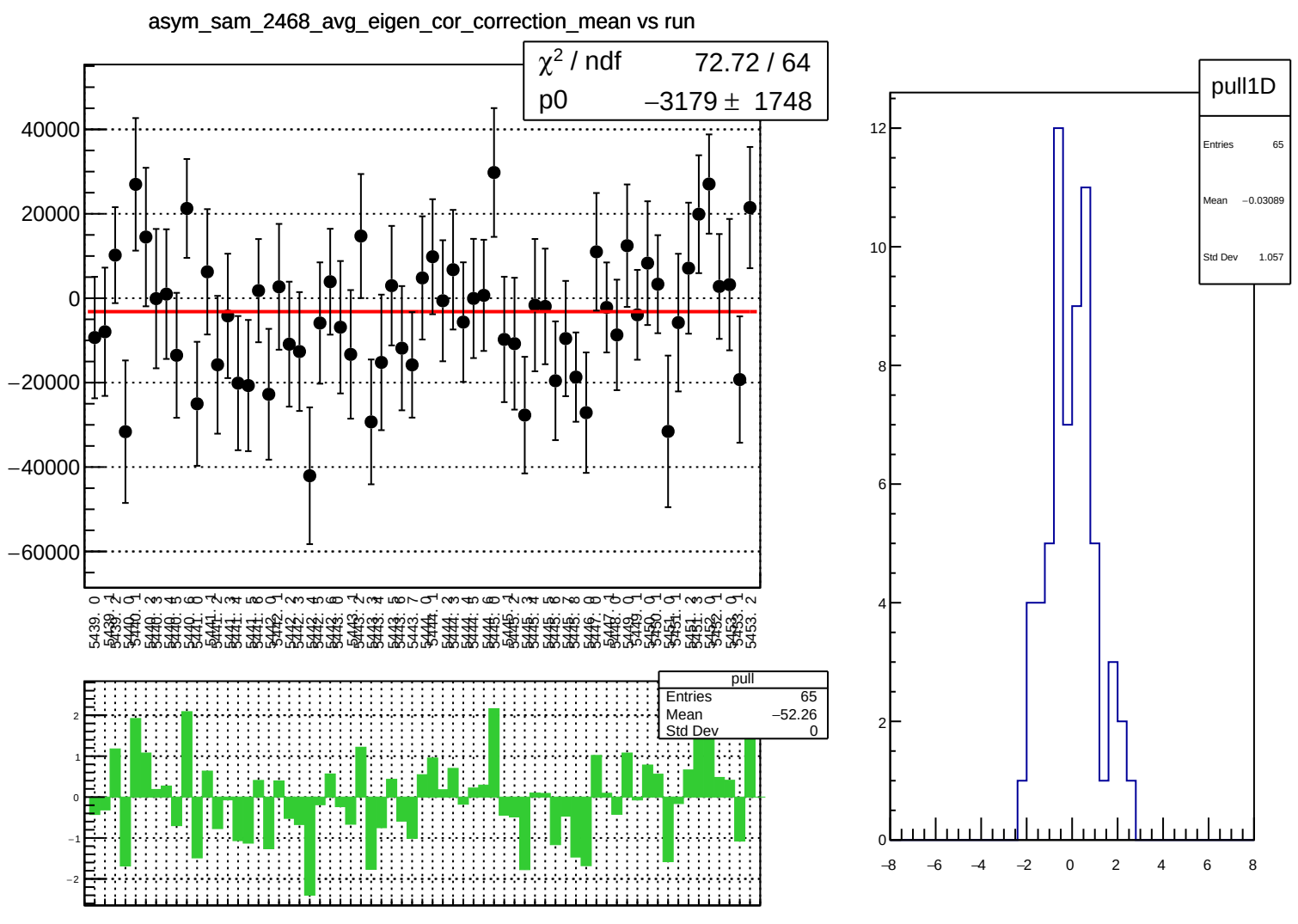

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 4.978e+04 / 64
p0 106.1 ± 0.09429
1200
1000
800
600
400
200

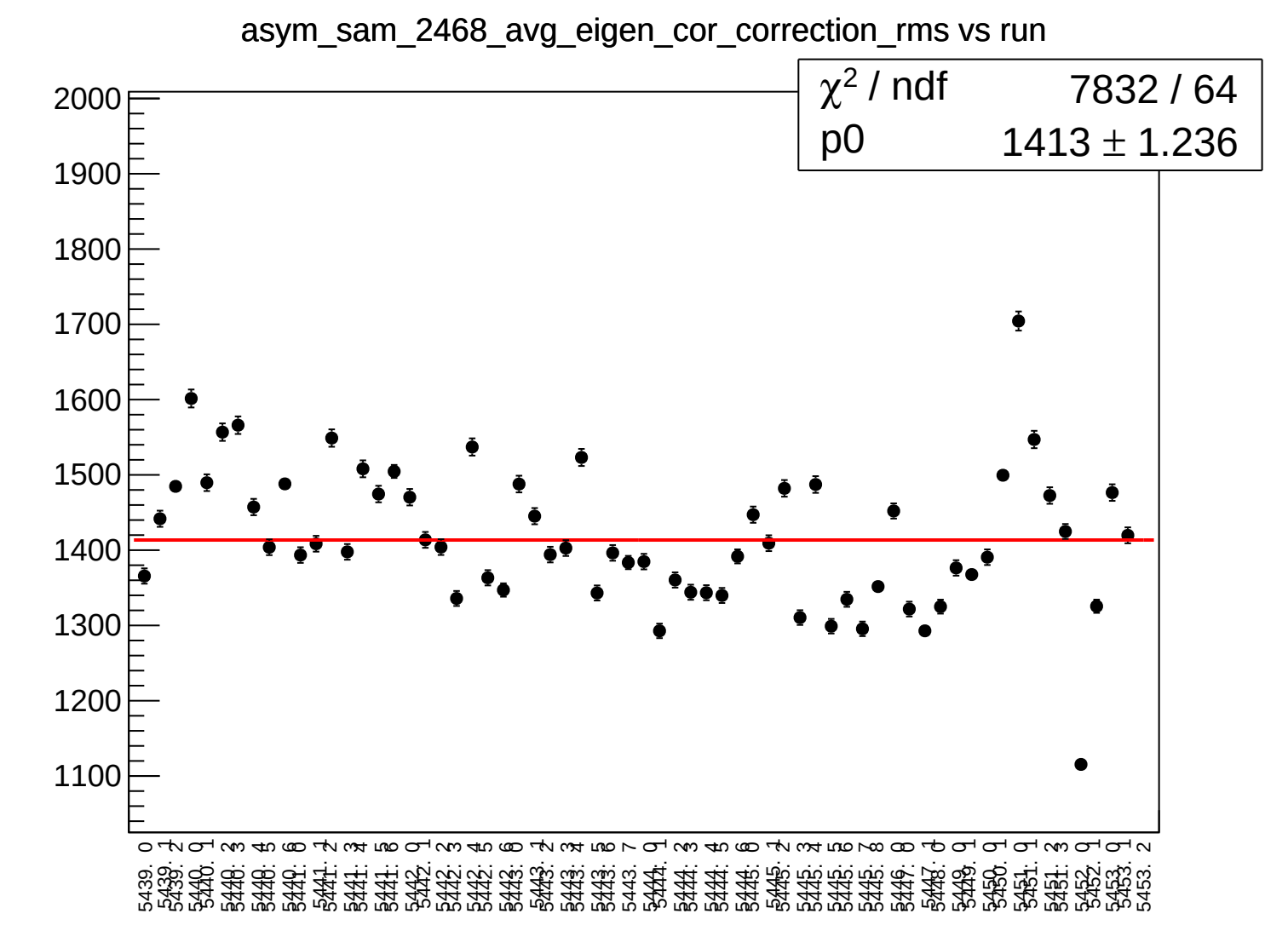

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 72.72 / 64
p0 −3179 ± 1748
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −52.26
Std Dev 0
pull1D
Entries 65
Mean −0.03089
Std Dev 1.057

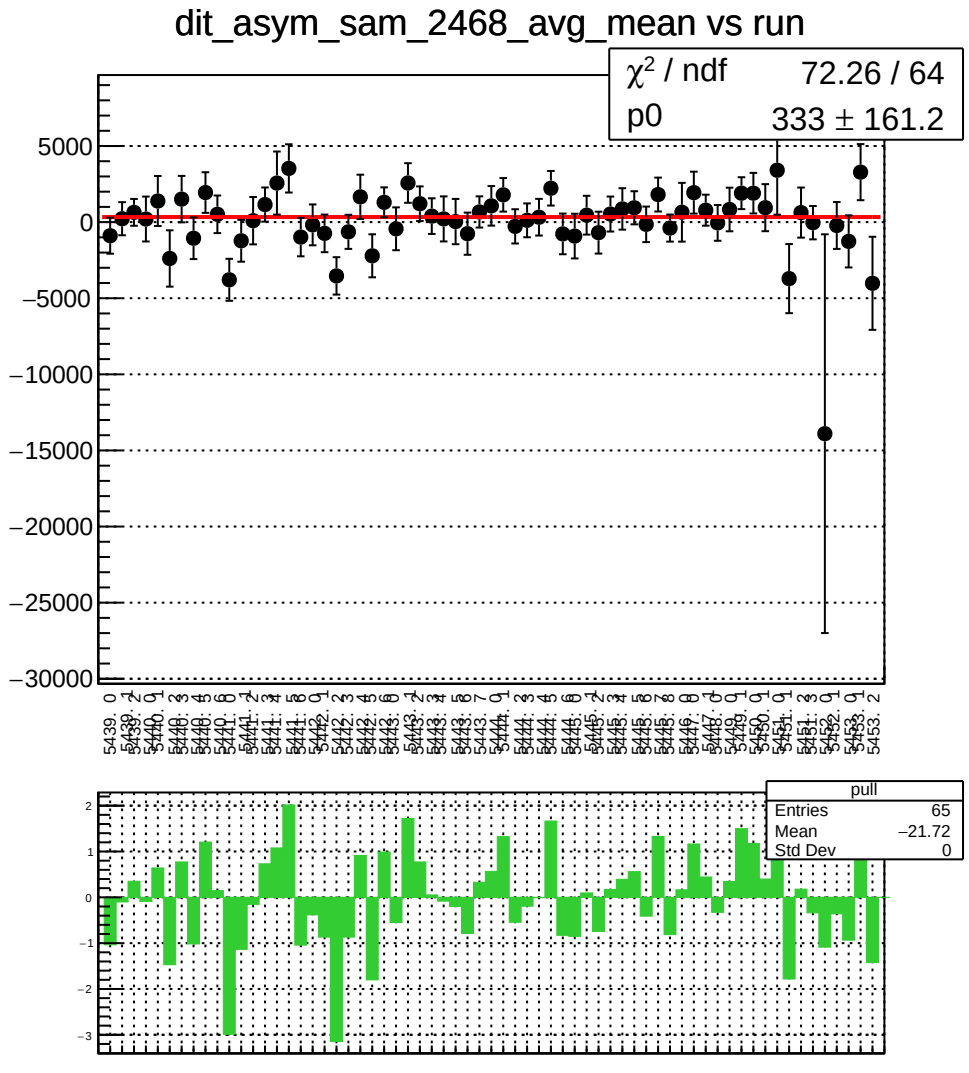

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 7832 / 64
p0 1413 ± 1.236
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100

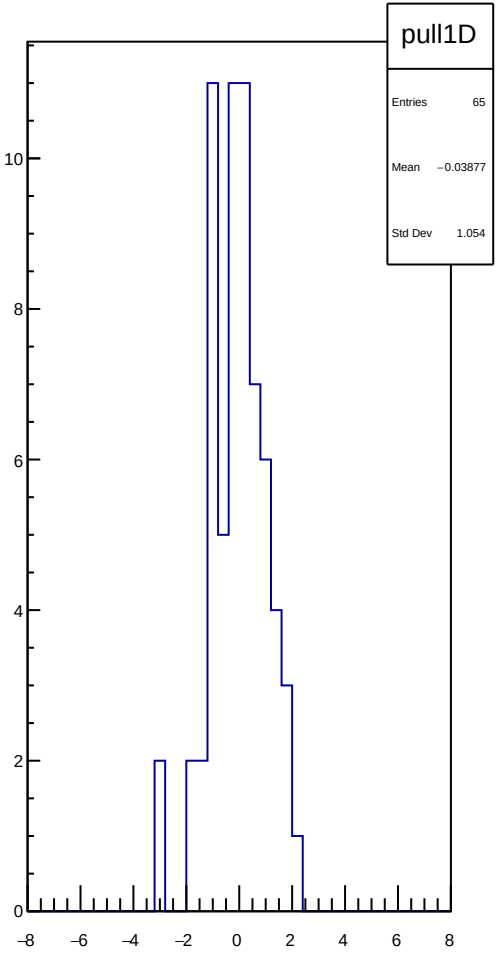

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 62.46 / 64
p0 223.4 ± 133.3
pull
Entries 65
Mean 25.91
Std Dev 36.02
pull1D
Entries 65
Mean −0.03353
Std Dev 0.9797

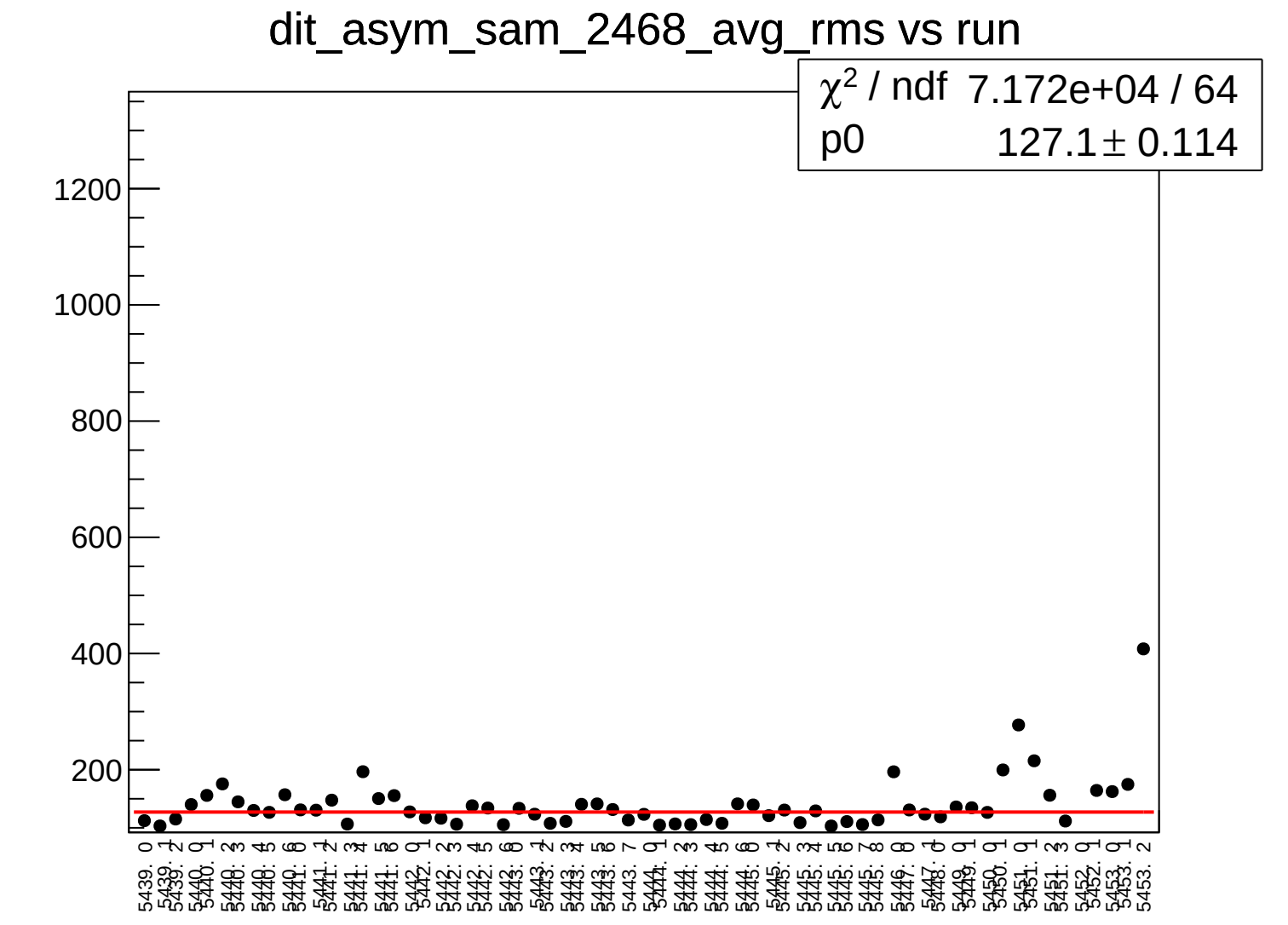

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 4.978e+04 / 64
p0 106.1 ± 0.09429
1200
1000
800
600
400
200

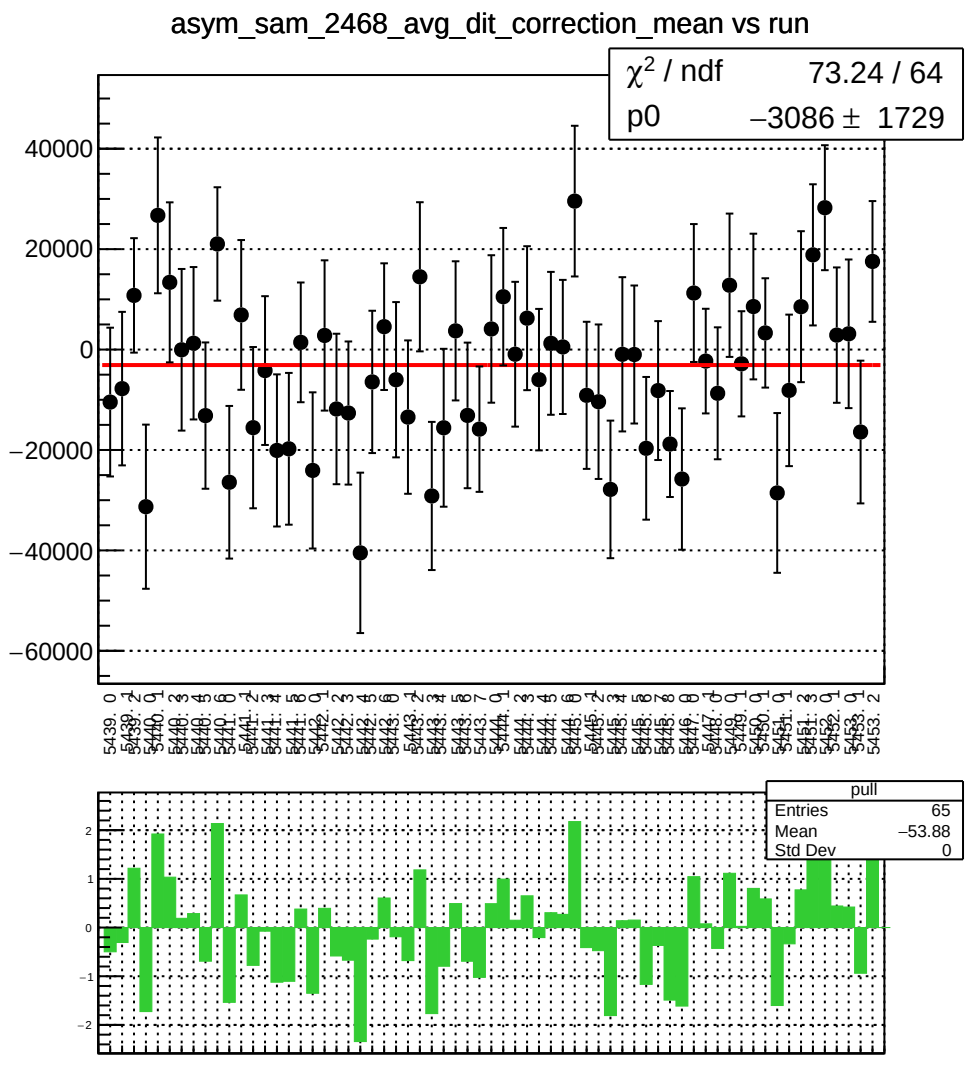

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.72 / 64
p0 −3179 ± 1748
pull
Entries 65
Mean −52.26
Std Dev 0
pull1D
Entries 65
Mean −0.03089
Std Dev 1.057

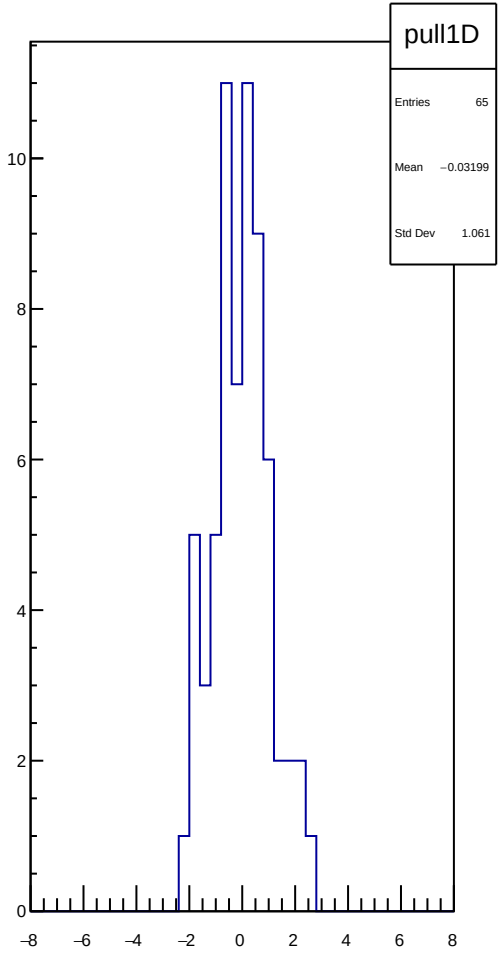

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 7832 / 64
p0 1413 ± 1.236
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100

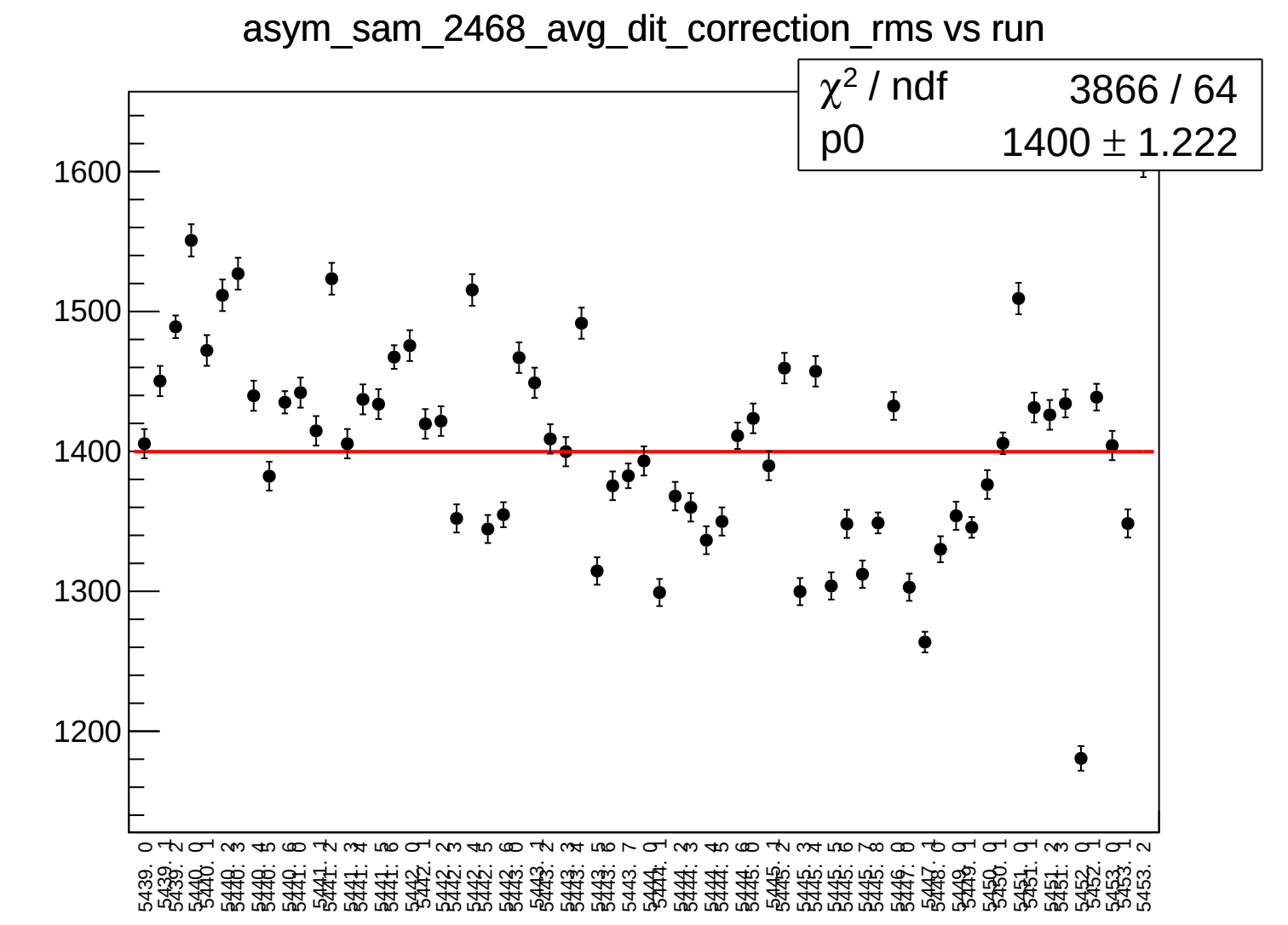

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 72.26 / 64
p0 333 ± 161.2
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 65
Mean −21.72
Std Dev 0
2
1
0
−1
−2
−3

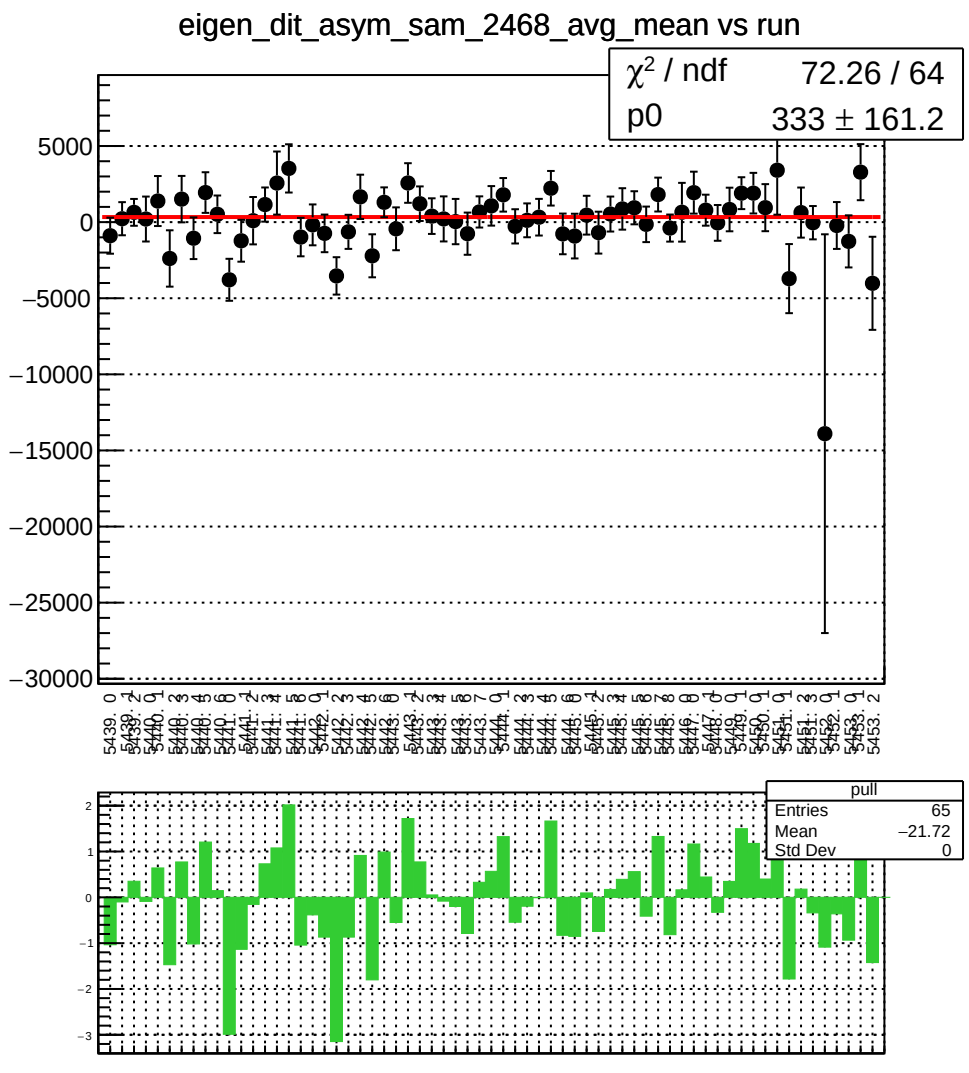

pull1D
Entries 65
Mean −0.03877
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

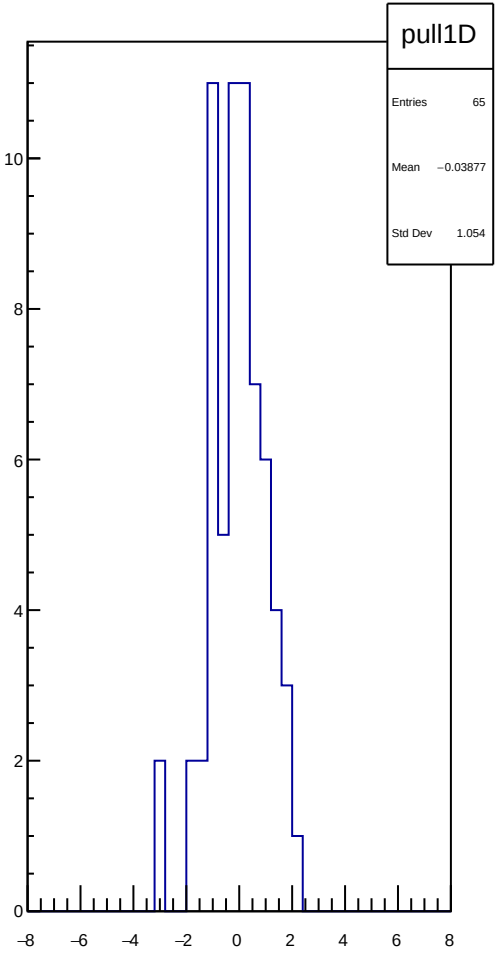

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 7.172e+04 / 64
p0 127.1 ± 0.114
1200
1000
800
600
400
200

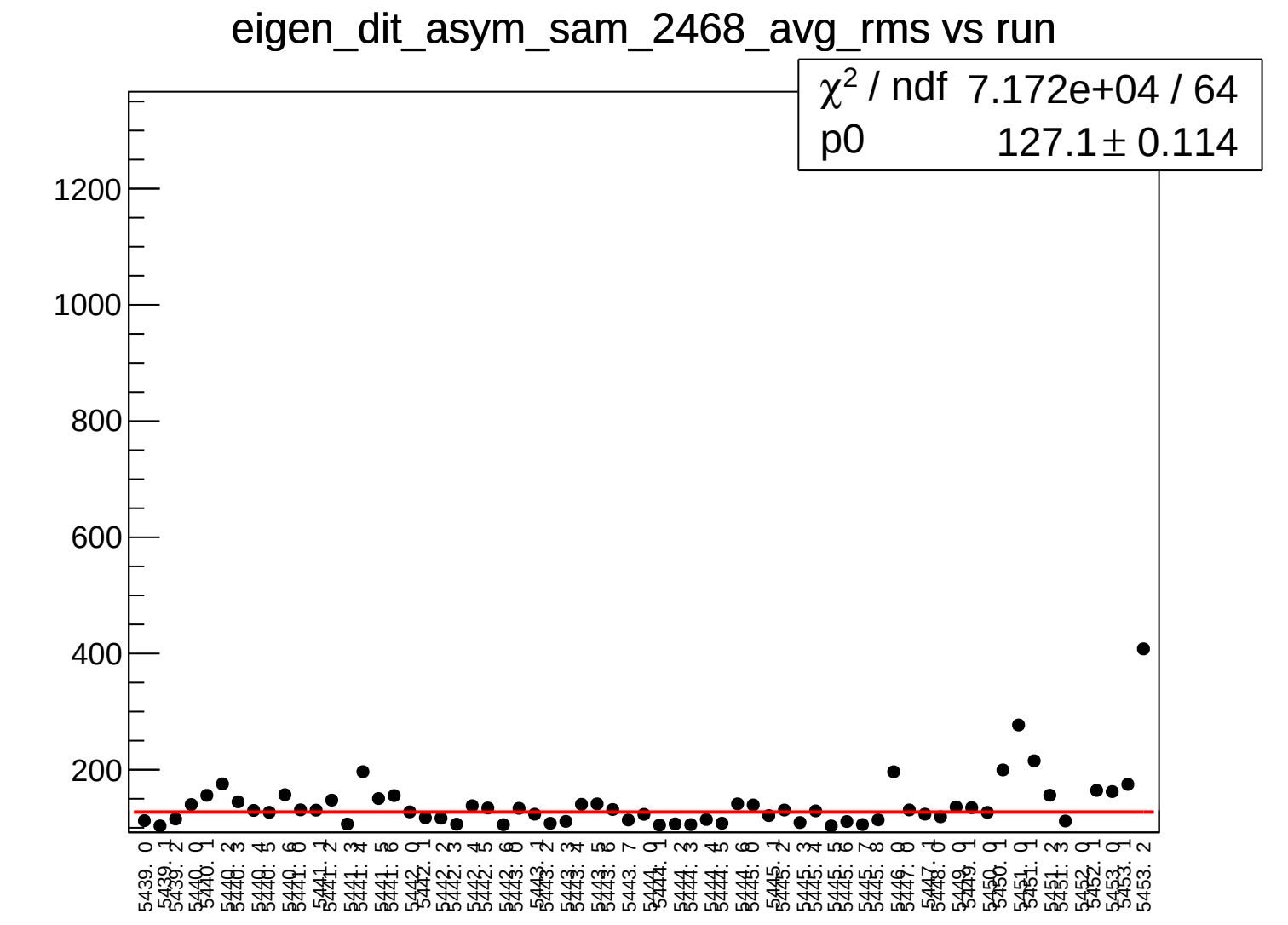

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 73.24 / 64
p0 −3086 ± 1729
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −53.88
Std Dev 0
2
1
0
−1
−2

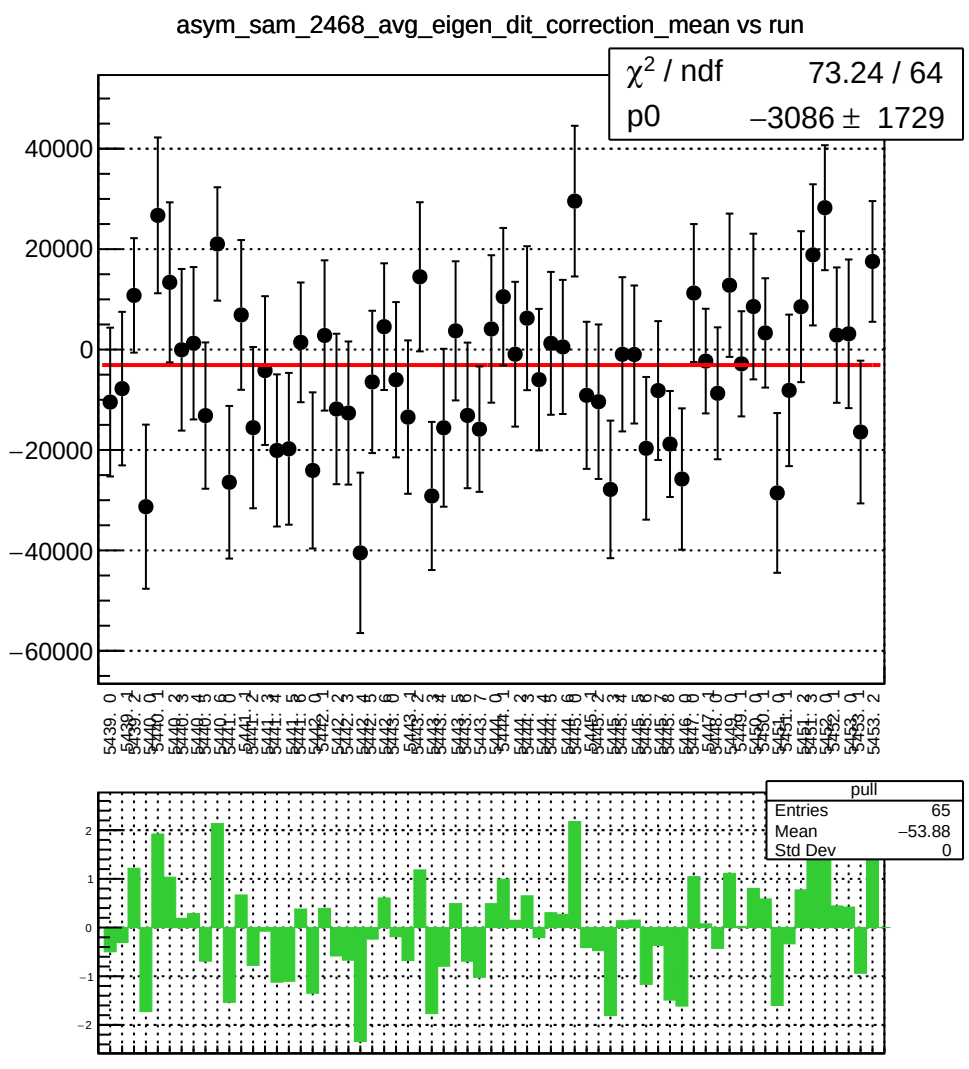

pull1D
Entries 65
Mean −0.03199
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

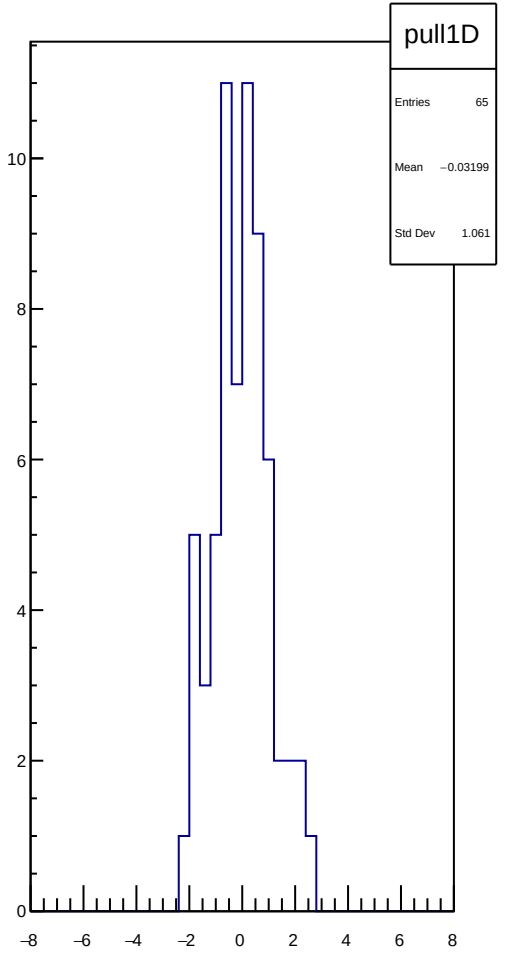

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 3866 / 64
p0 1400 ± 1.222
1600
1500
1400
1300
1200

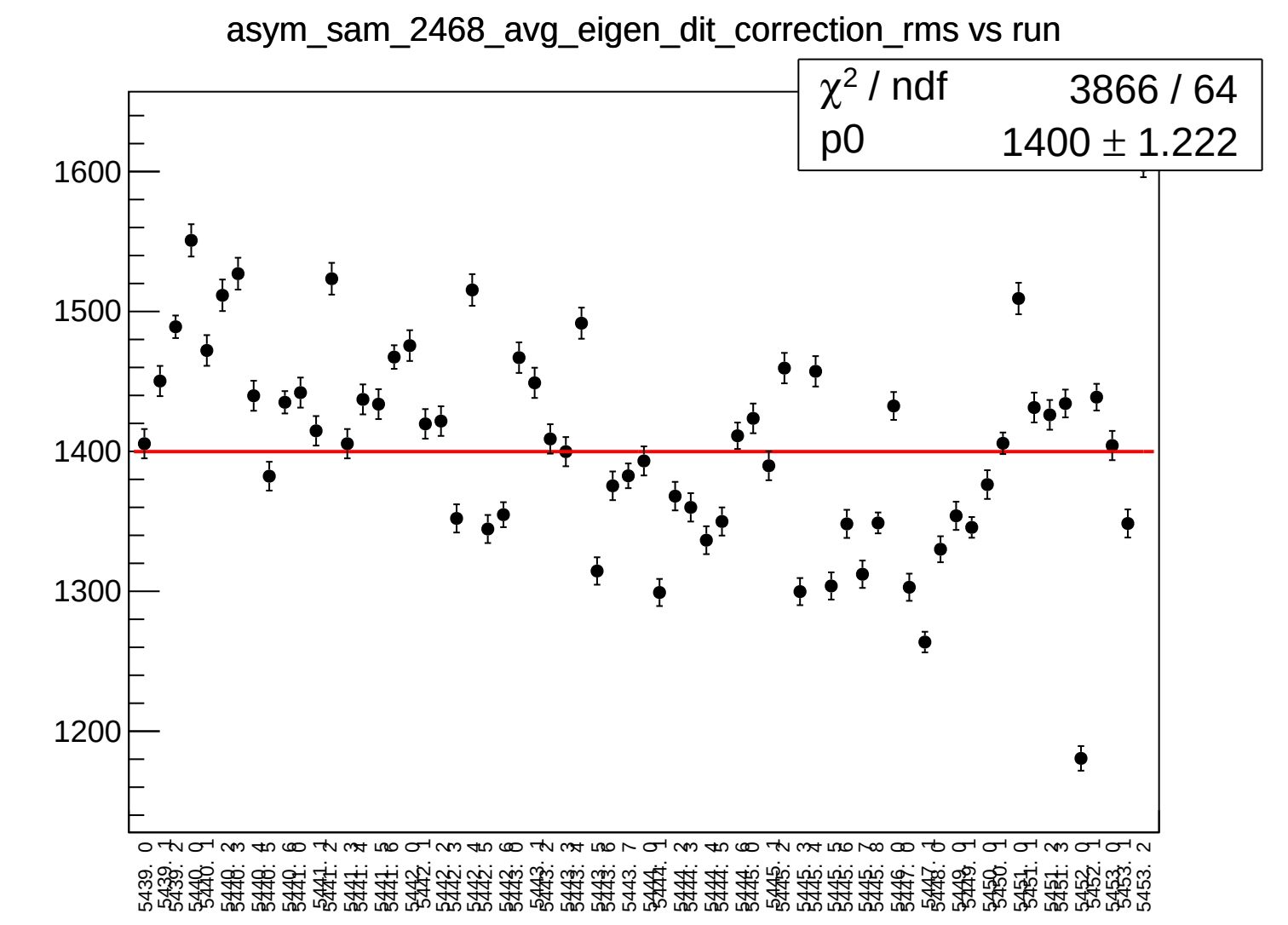

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 72.26 / 64
p0 333 ± 161.2
pull
Entries 65
Mean −21.72
Std Dev 0

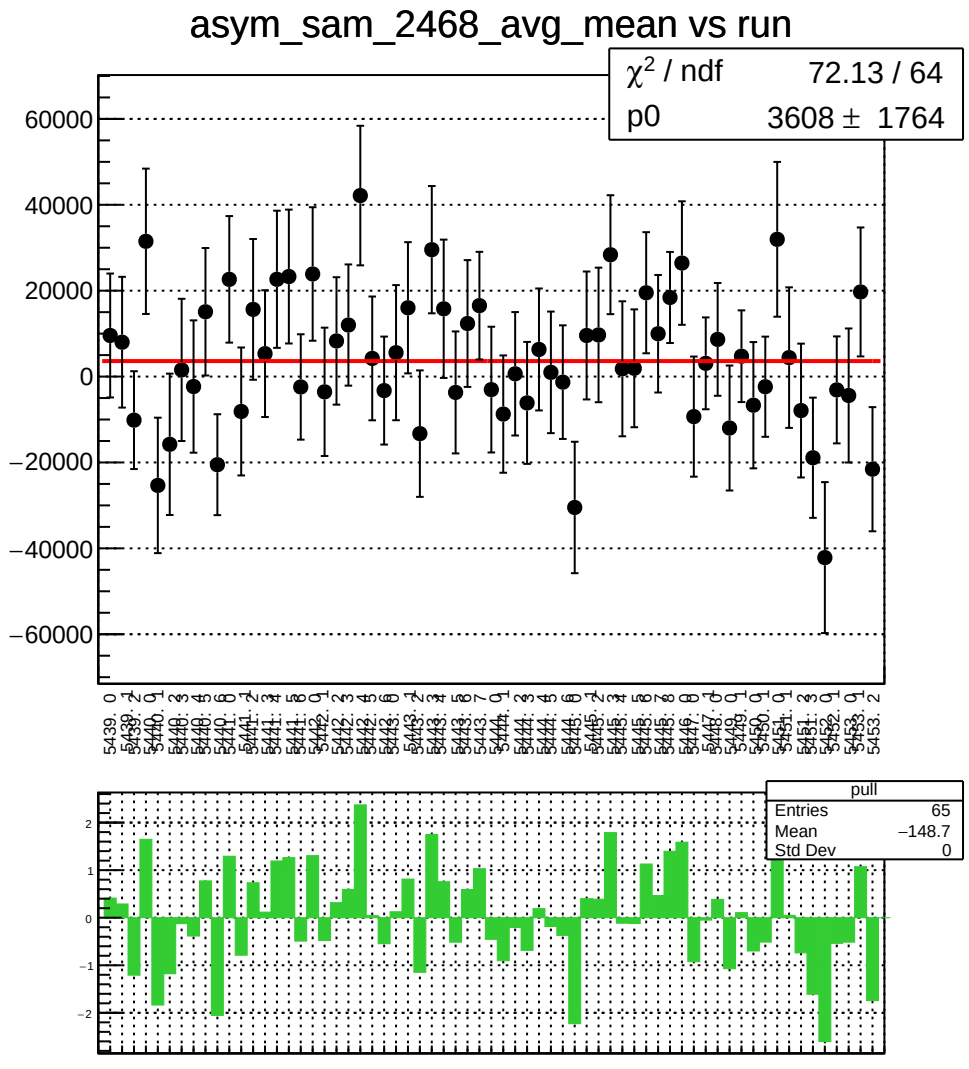

pull1D
Entries 65
Mean −0.03877
Std Dev 1.054

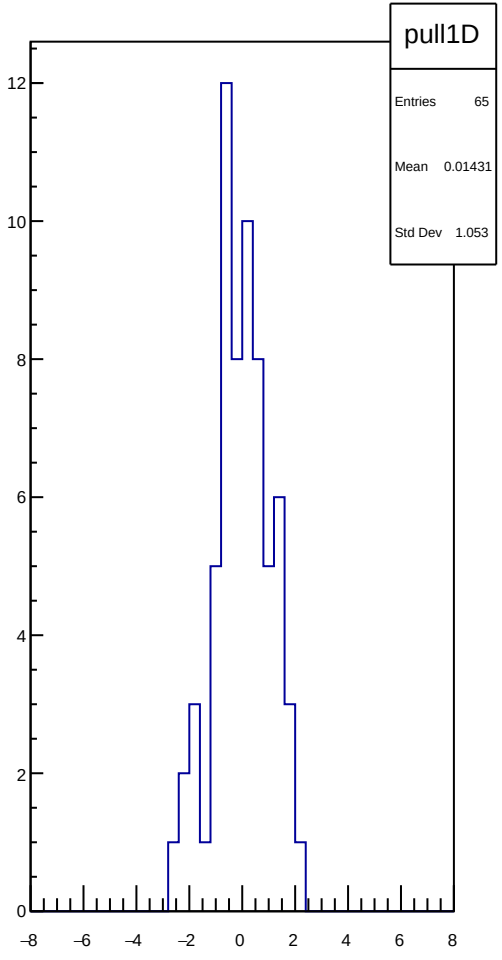

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 7.172e+04 / 64
p0 127.1 ± 0.114
1200
1000
800
600
400
200

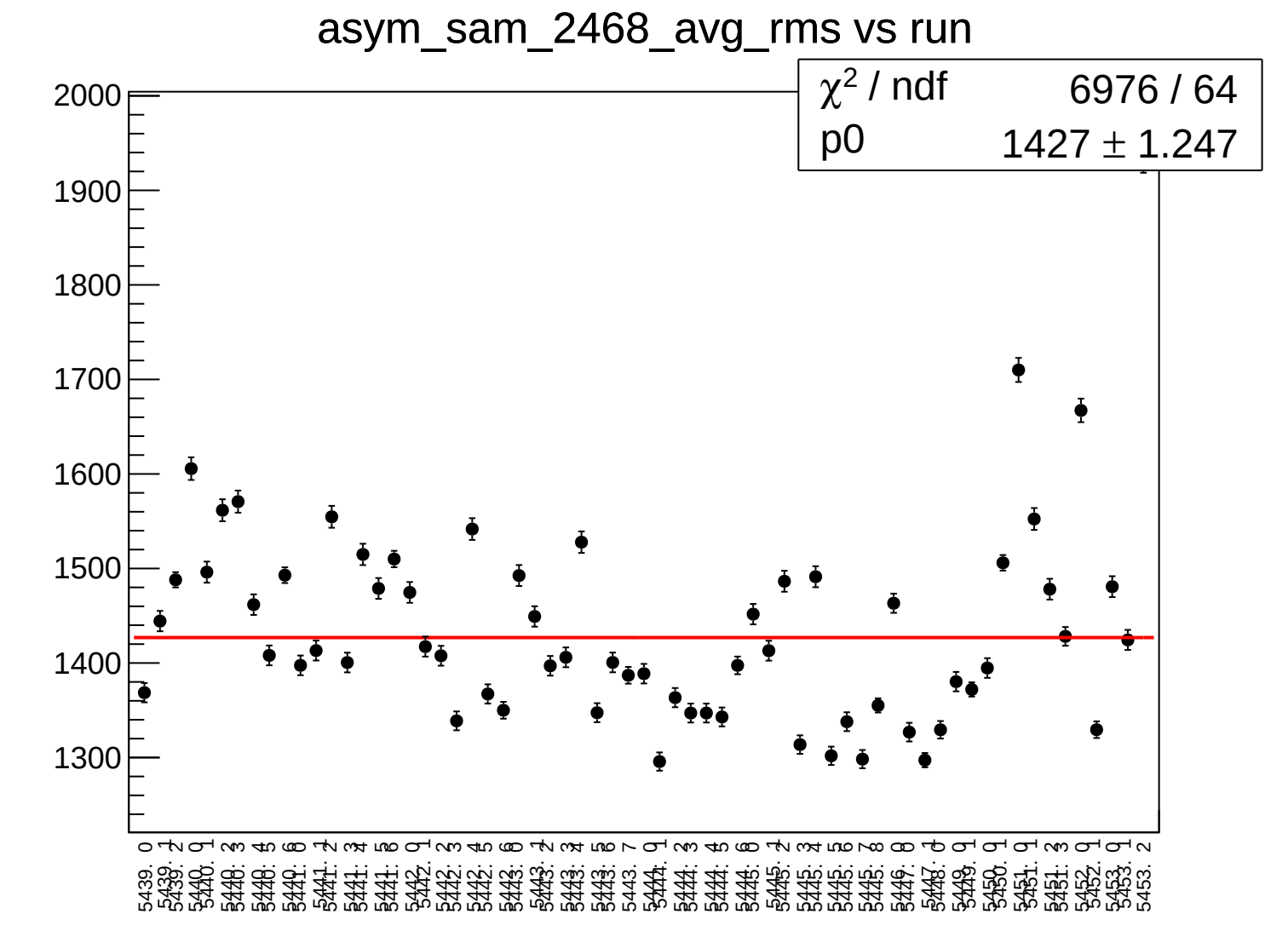

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.24 / 64
p0 −3086 ± 1729
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −53.88
Std Dev 0
2
1
0
−1
−2

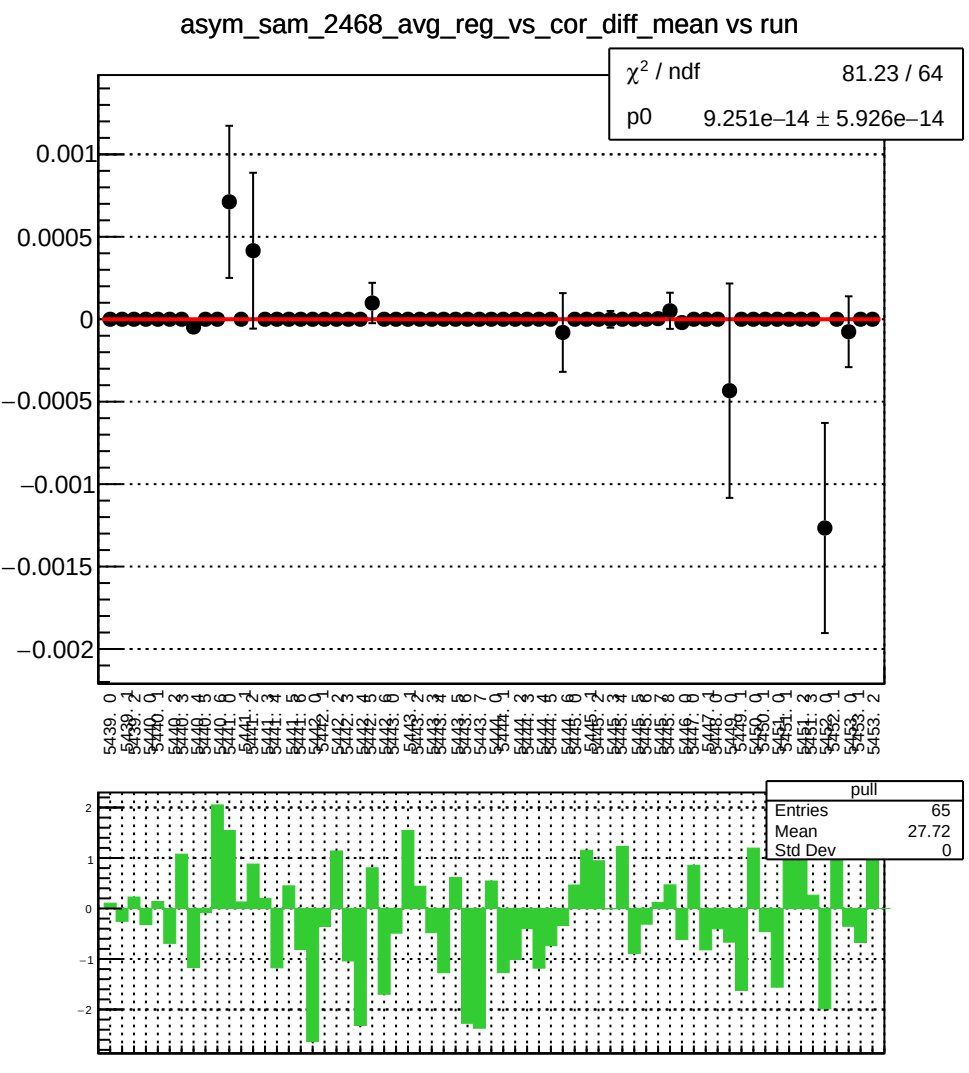

pull1D
Entries 65
Mean −0.03199
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

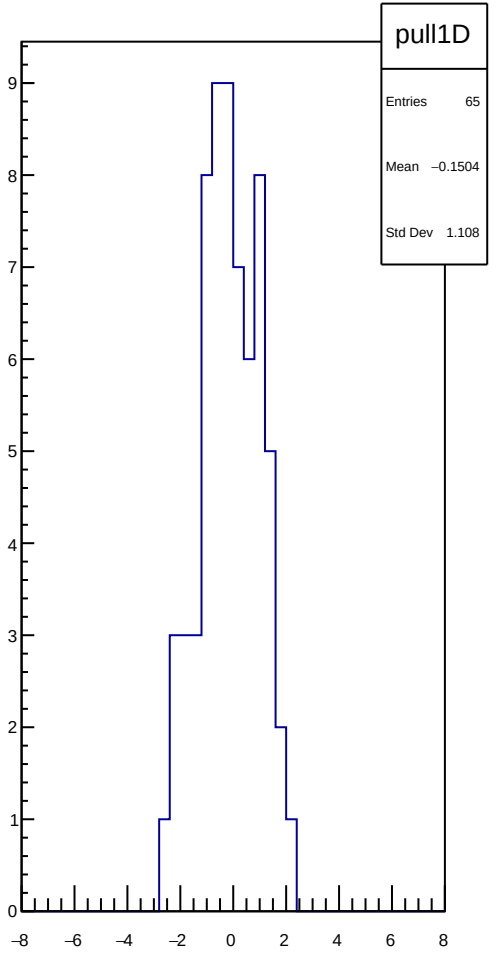

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 3866 / 64
p0 1400 ± 1.222
1600
1500
1400
1300
1200

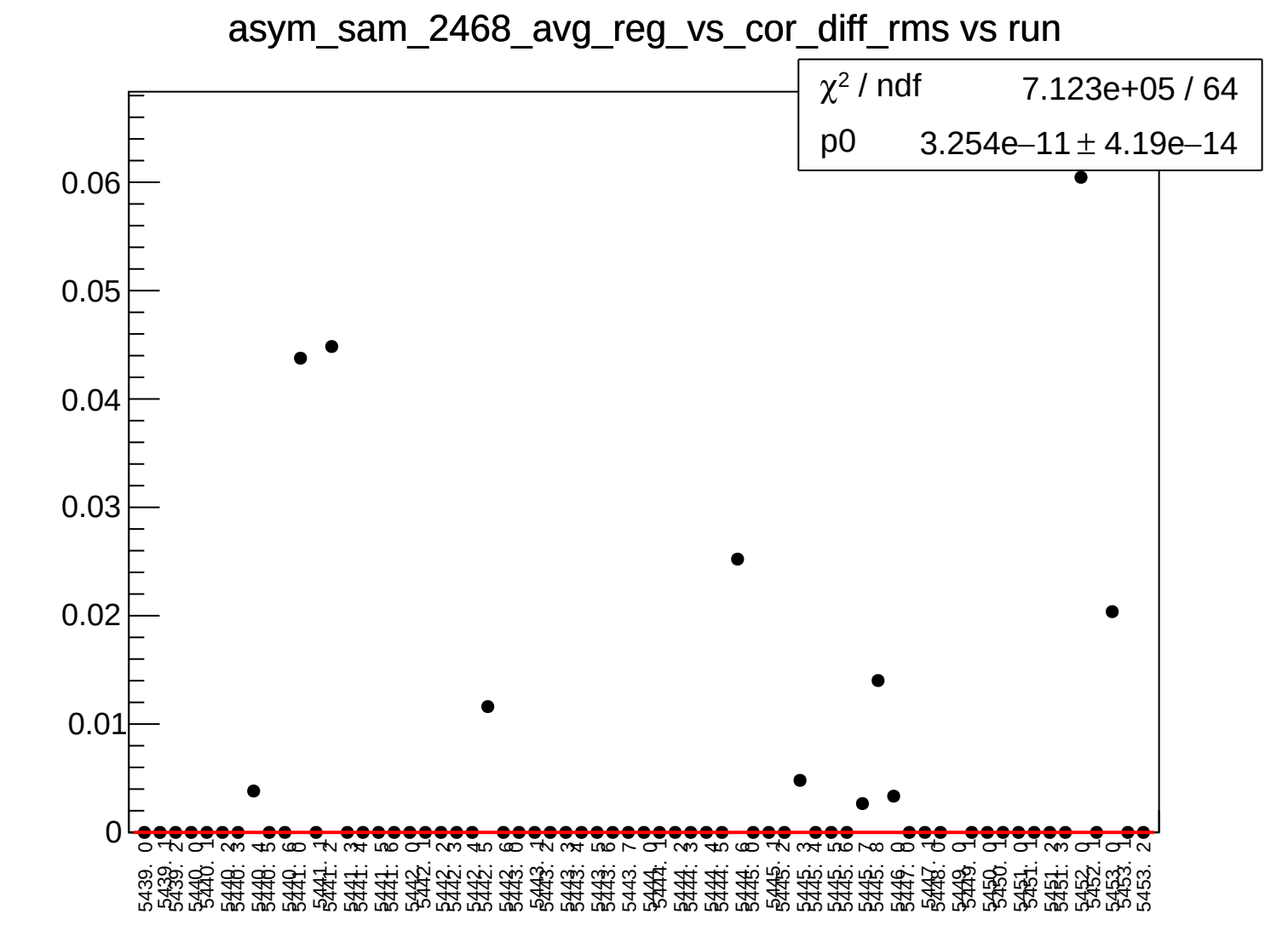

asym_sam_2468_avg_mean vs run
χ² / ndf 72.13 / 64
p0 3608 ± 1764
pull
Entries 65
Mean −148.7
Std Dev 0

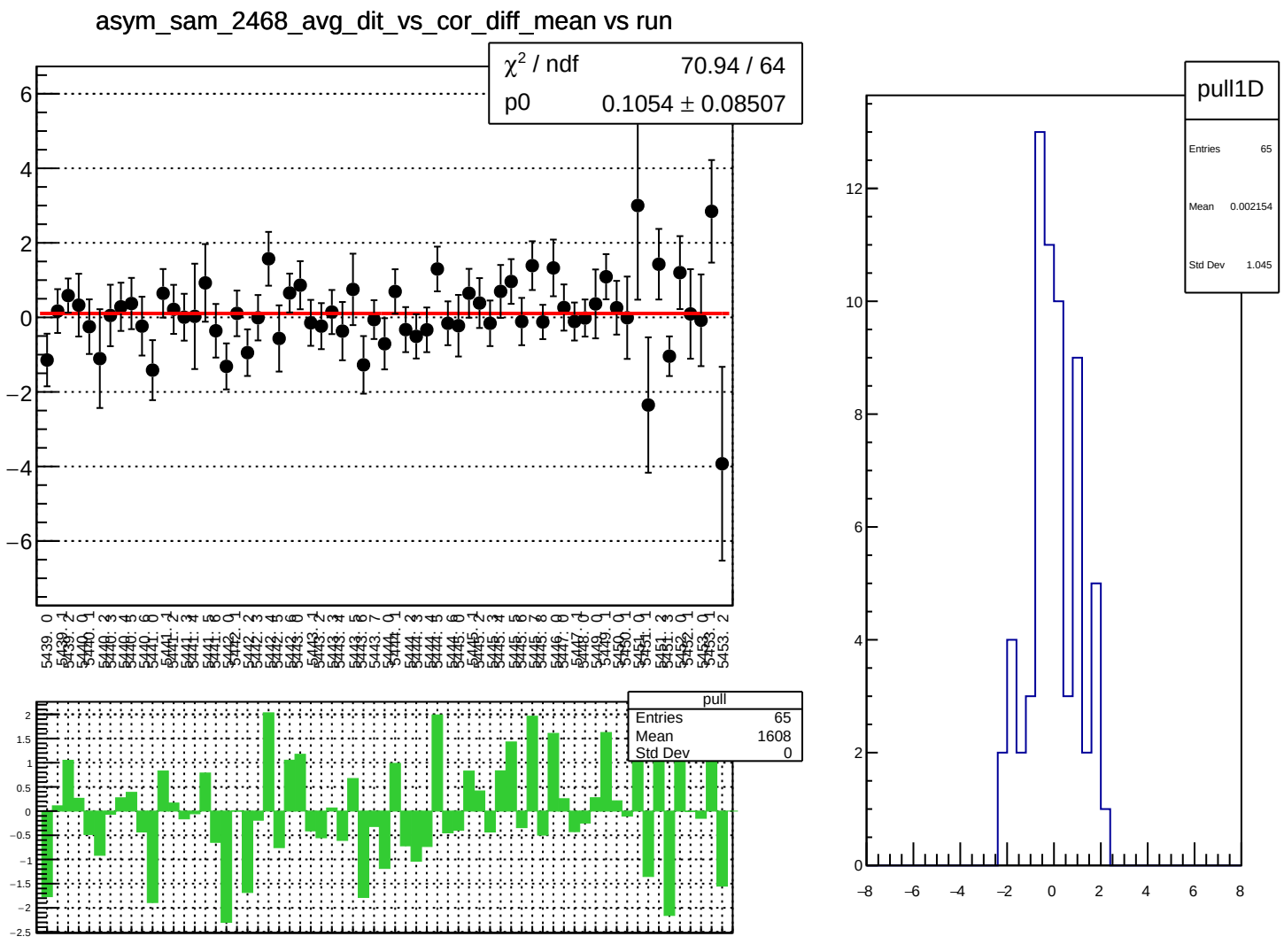

pull1D
Entries 65
Mean 0.01431
Std Dev 1.053

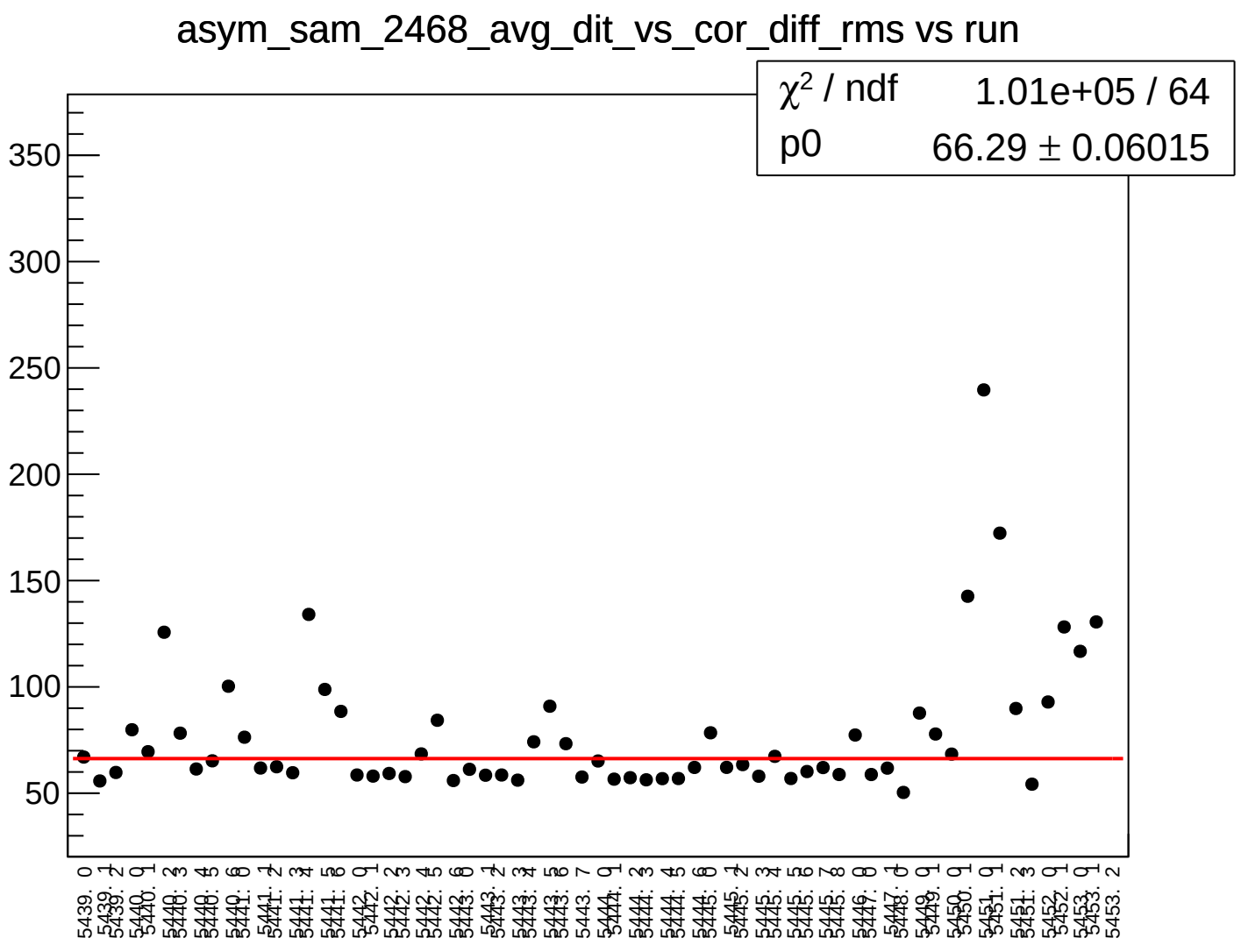

asym_sam_2468_avg_rms vs run
χ² / ndf 6976 / 64
p0 1427 ± 1.247
2000
1900
1800
1700
1600
1500
1400
1300

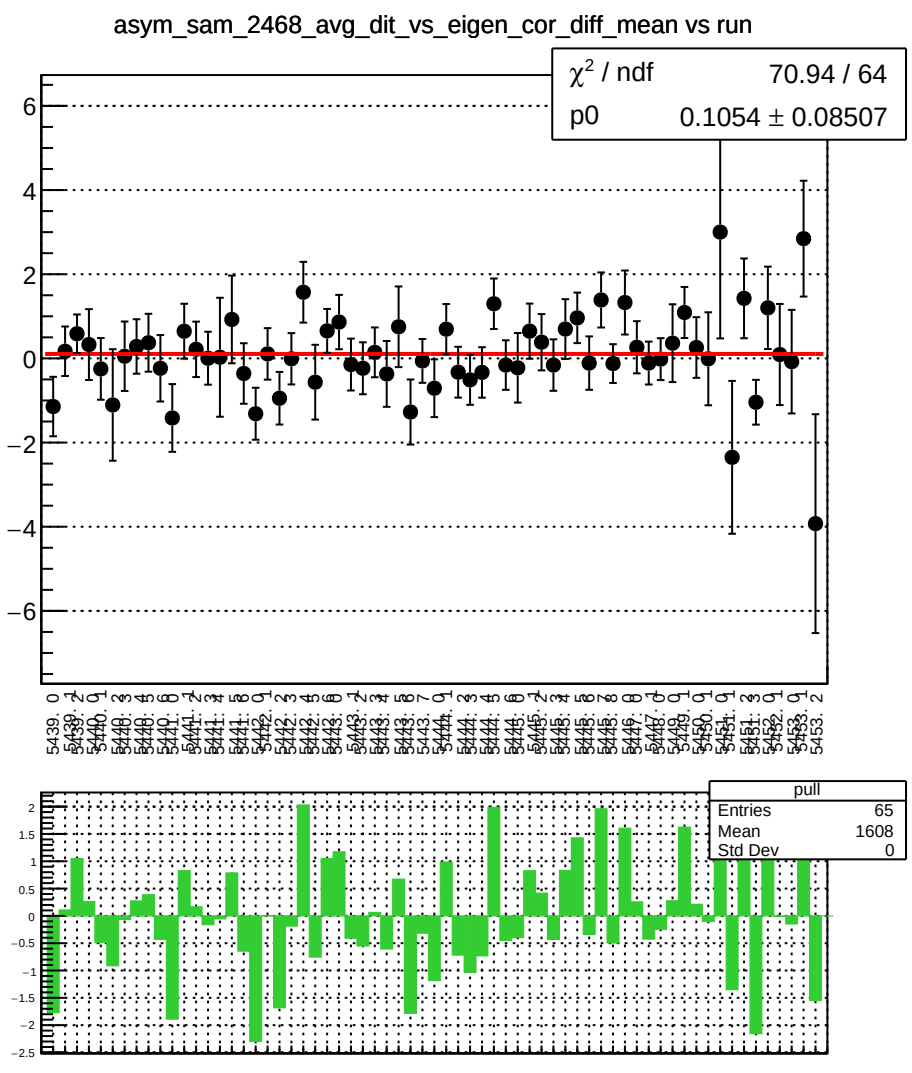

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.23 / 64
p0 9.251e−14 ± 5.926e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 65
Mean 27.72
Std Dev 0
2
1
0
−1
−2

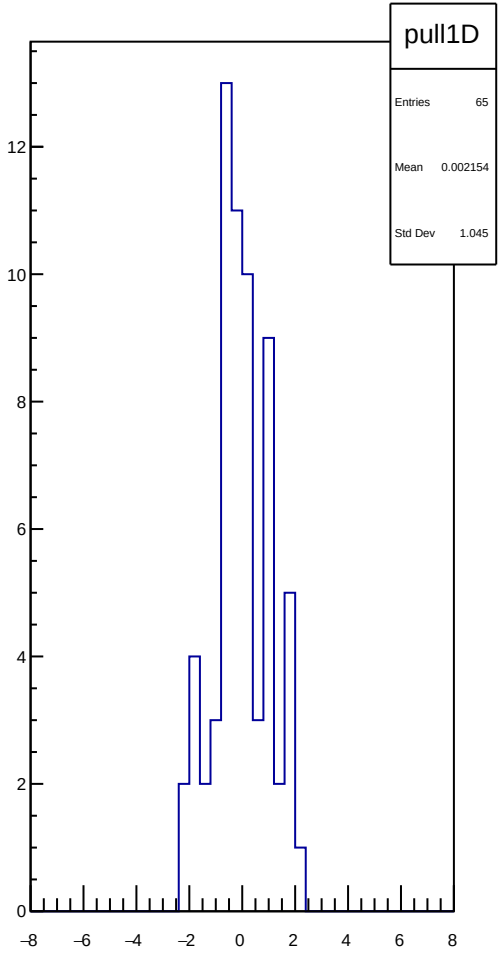

pull1D
Entries 65
Mean −0.1504
Std Dev 1.108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

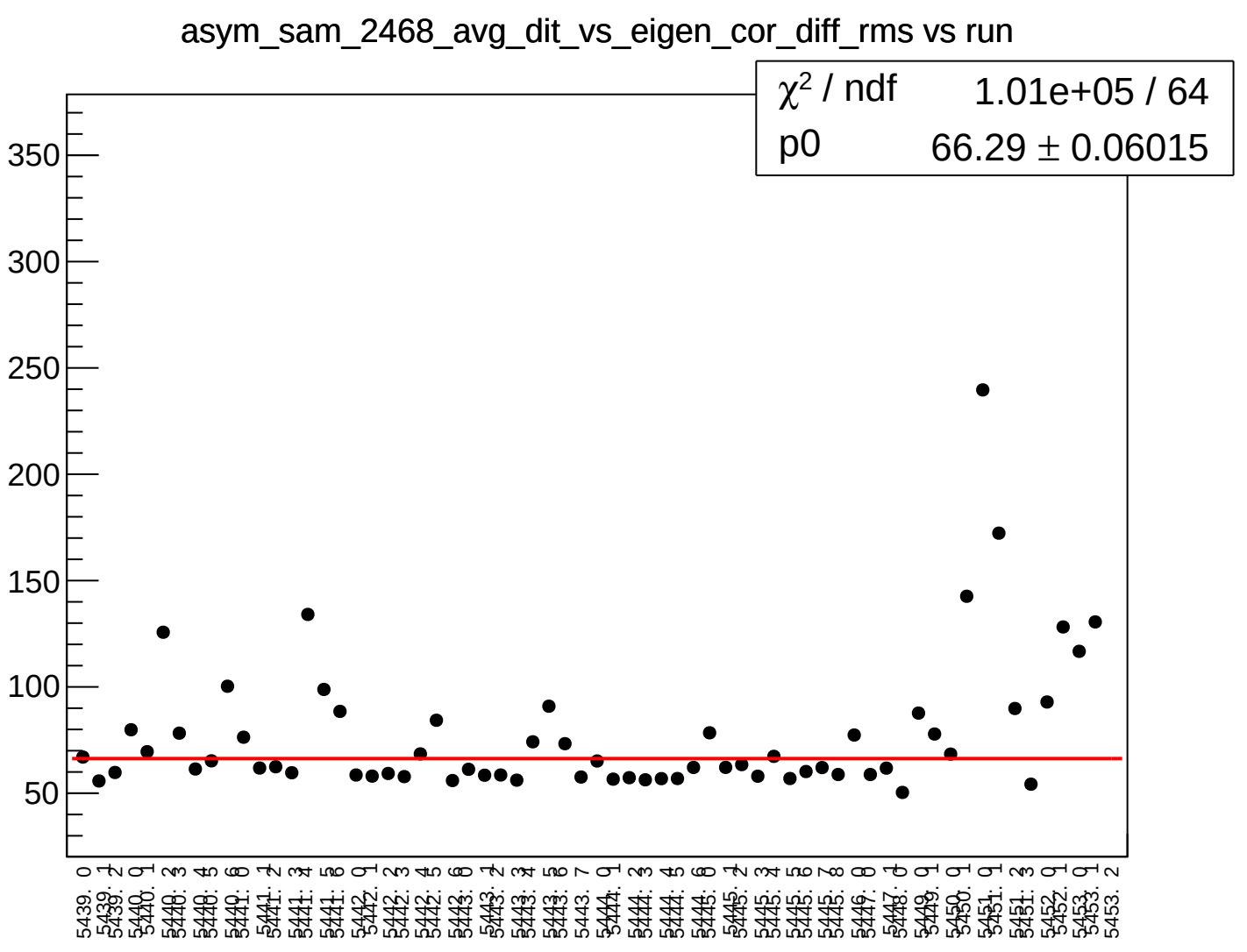

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.123e+05 / 64
p0 3.254e−11 ± 4.19e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

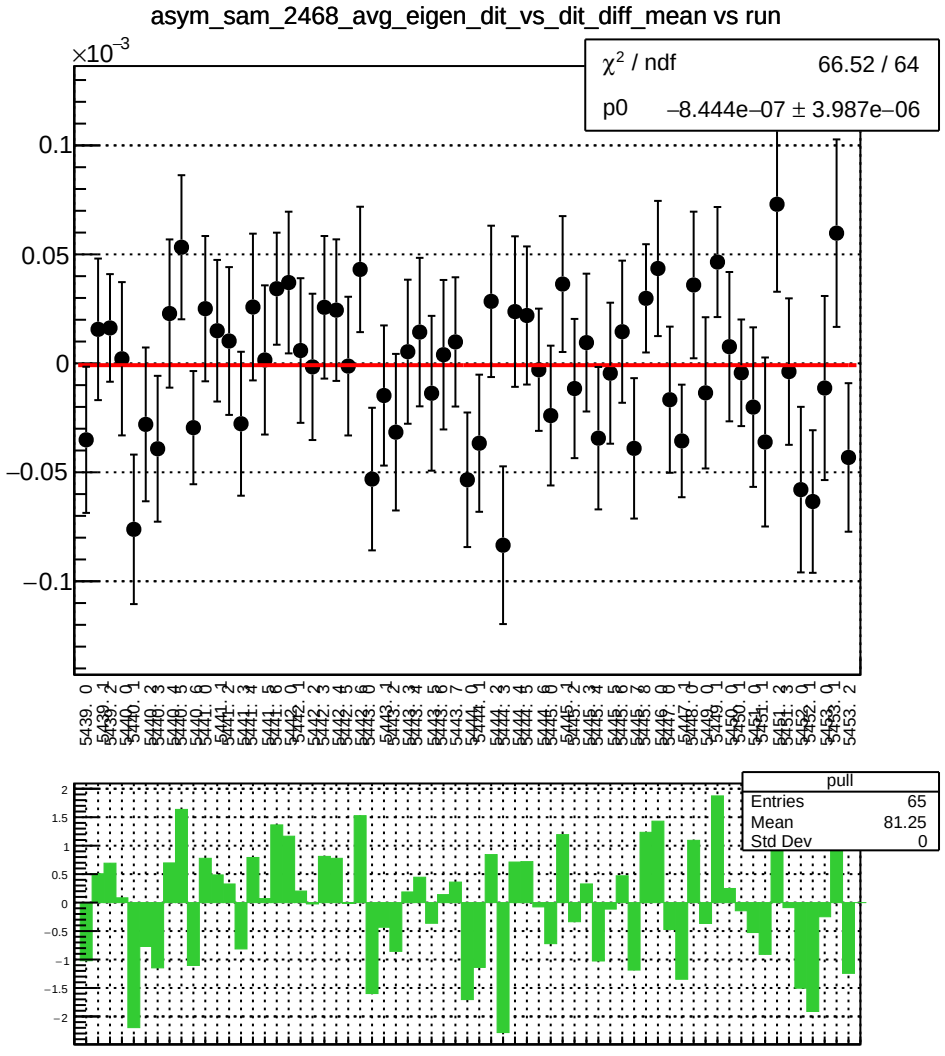

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.94 / 64
p0 0.1054 ± 0.08507
pull
Entries 65
Mean 1608
Std Dev 0
pull1D
Entries 65
Mean 0.002154
Std Dev 1.045

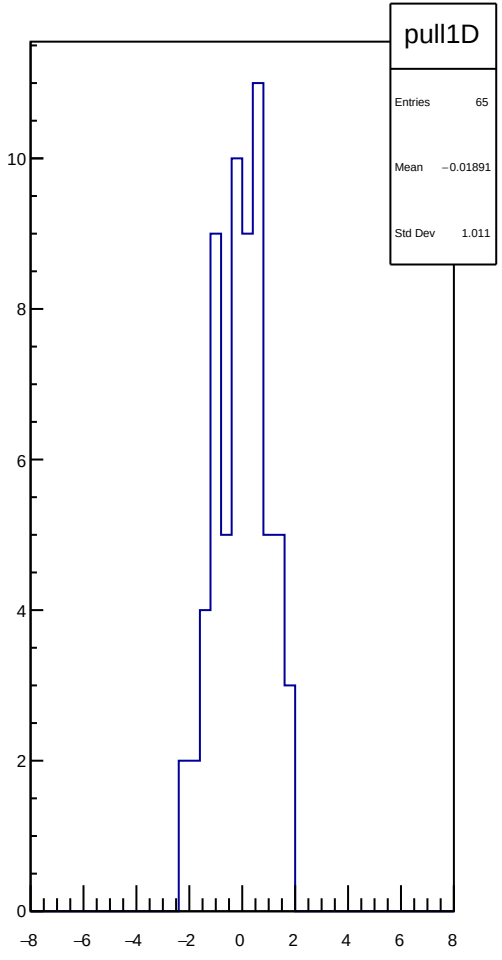

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 64
p0 66.29 ± 0.06015
350
300
250
200
150
100
50

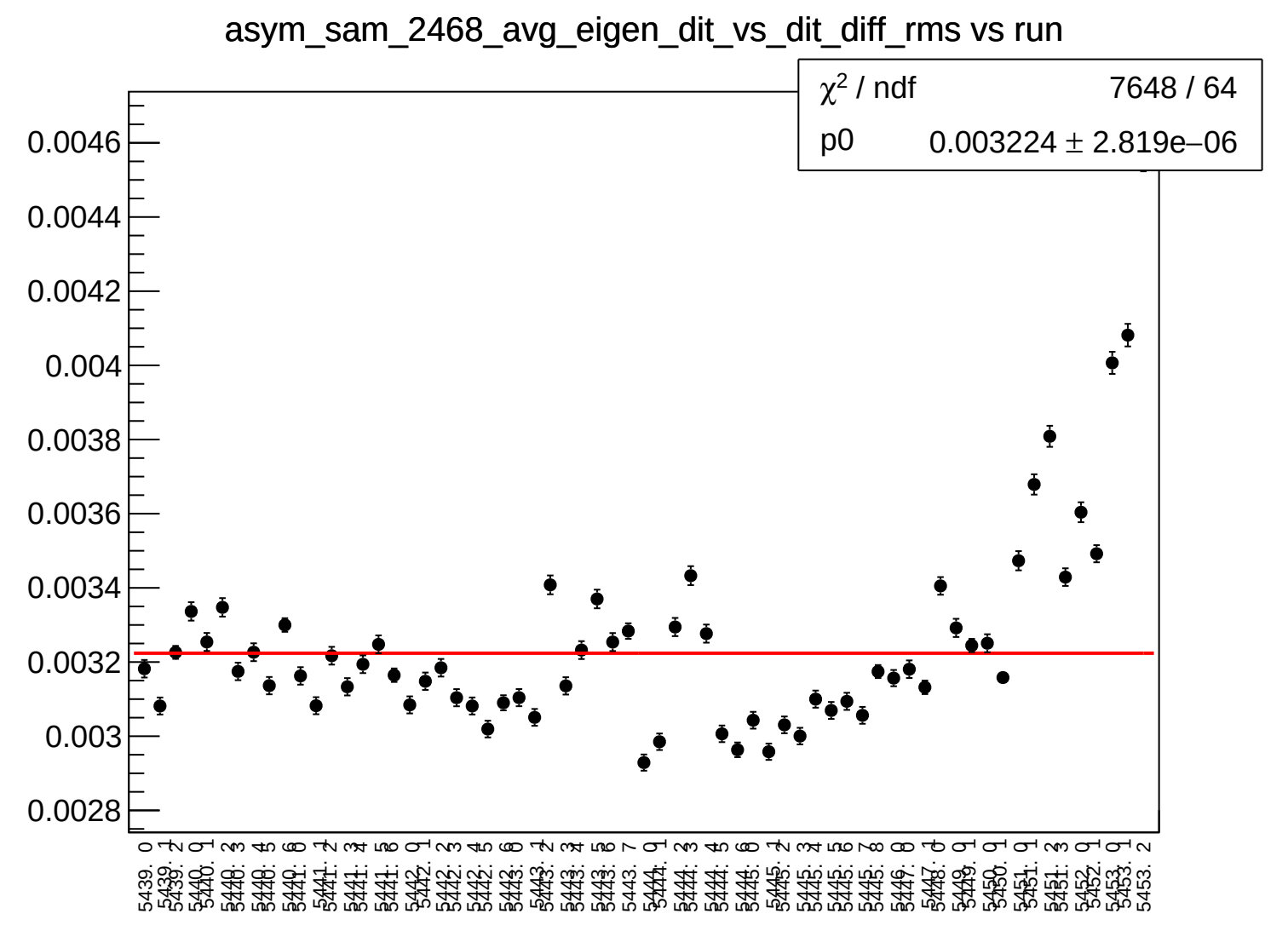

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.94 / 64
p0 0.1054 ± 0.08507
pull
Entries 65
Mean 1608
Std Dev 0

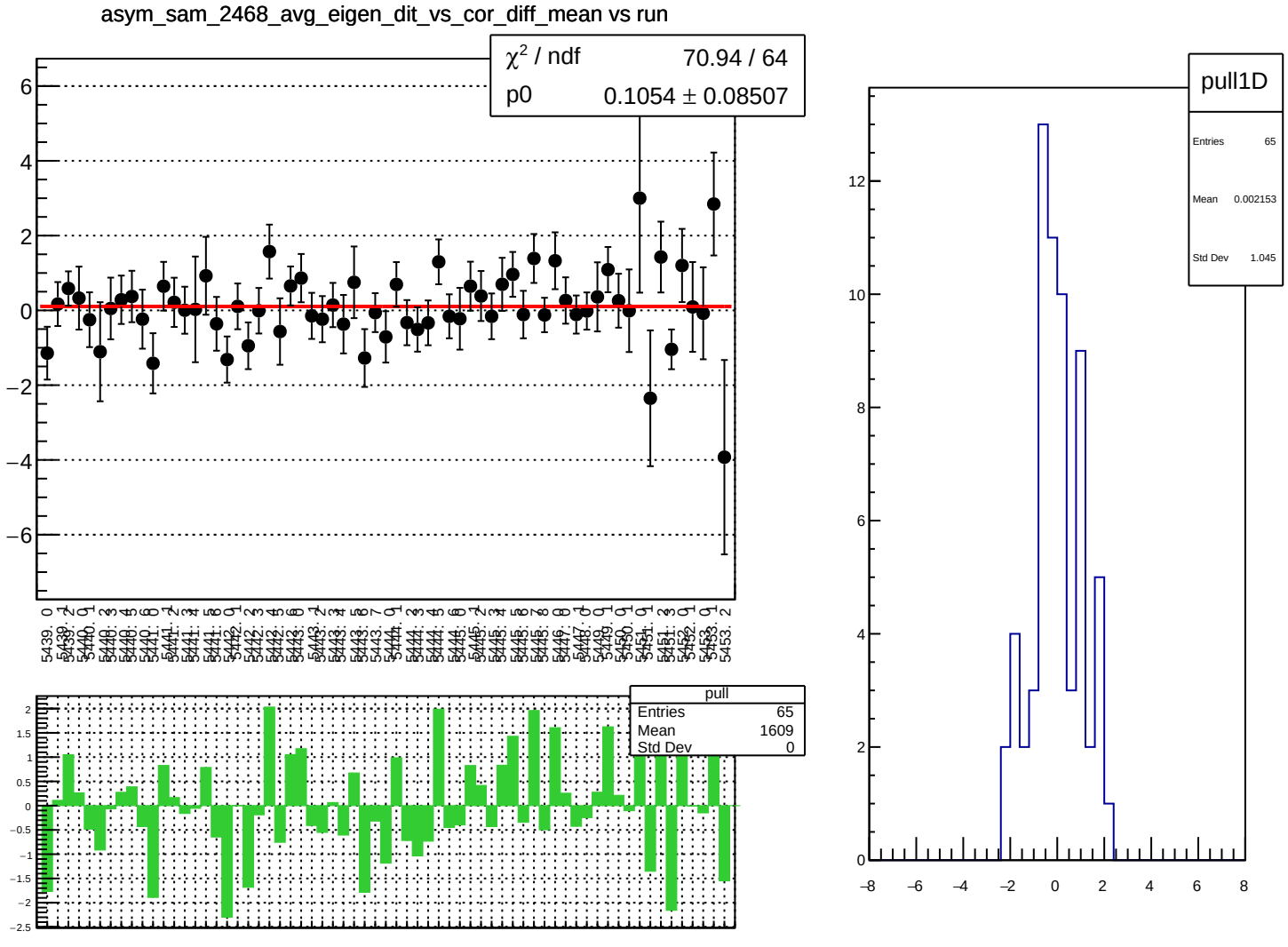

pull1D
Entries 65
Mean 0.002154
Std Dev 1.045

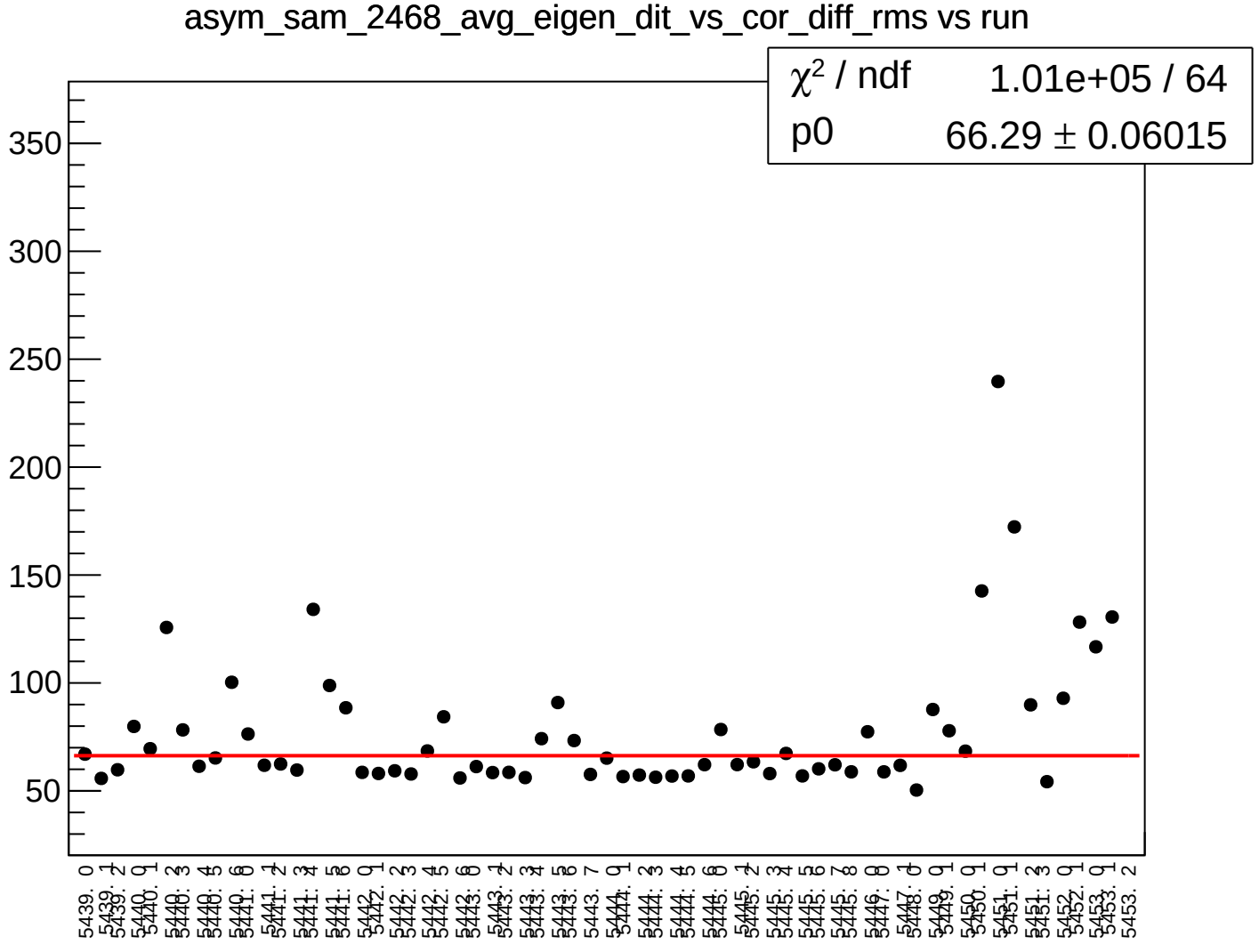

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 64
p0 66.29 ± 0.06015
350
300
250
200
150
100
50

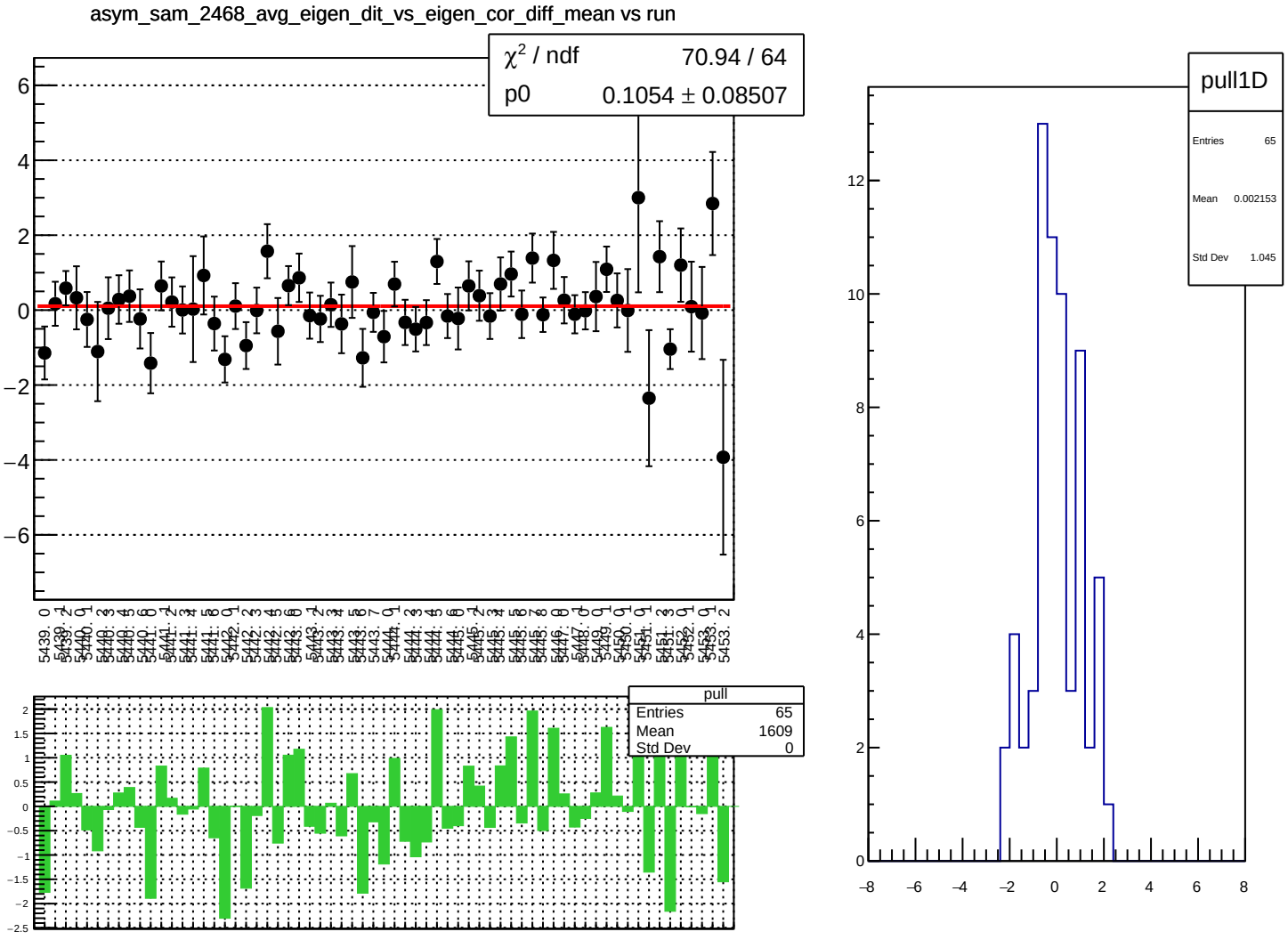

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.52 / 64
p0 −8.444e−07 ± 3.987e−06
pull
Entries 65
Mean 81.25
Std Dev 0

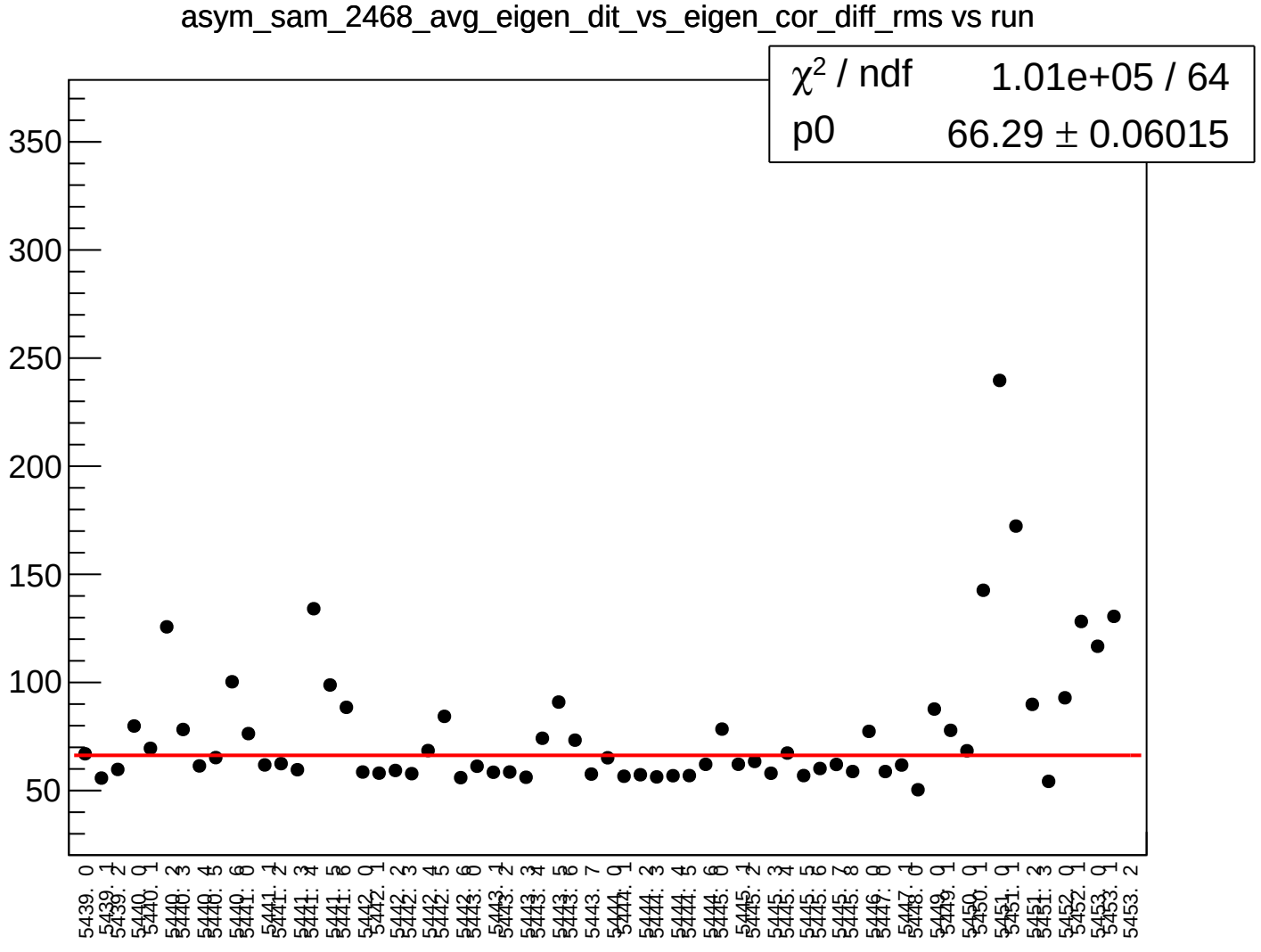

pull1D
Entries 65
Mean −0.01891
Std Dev 1.011

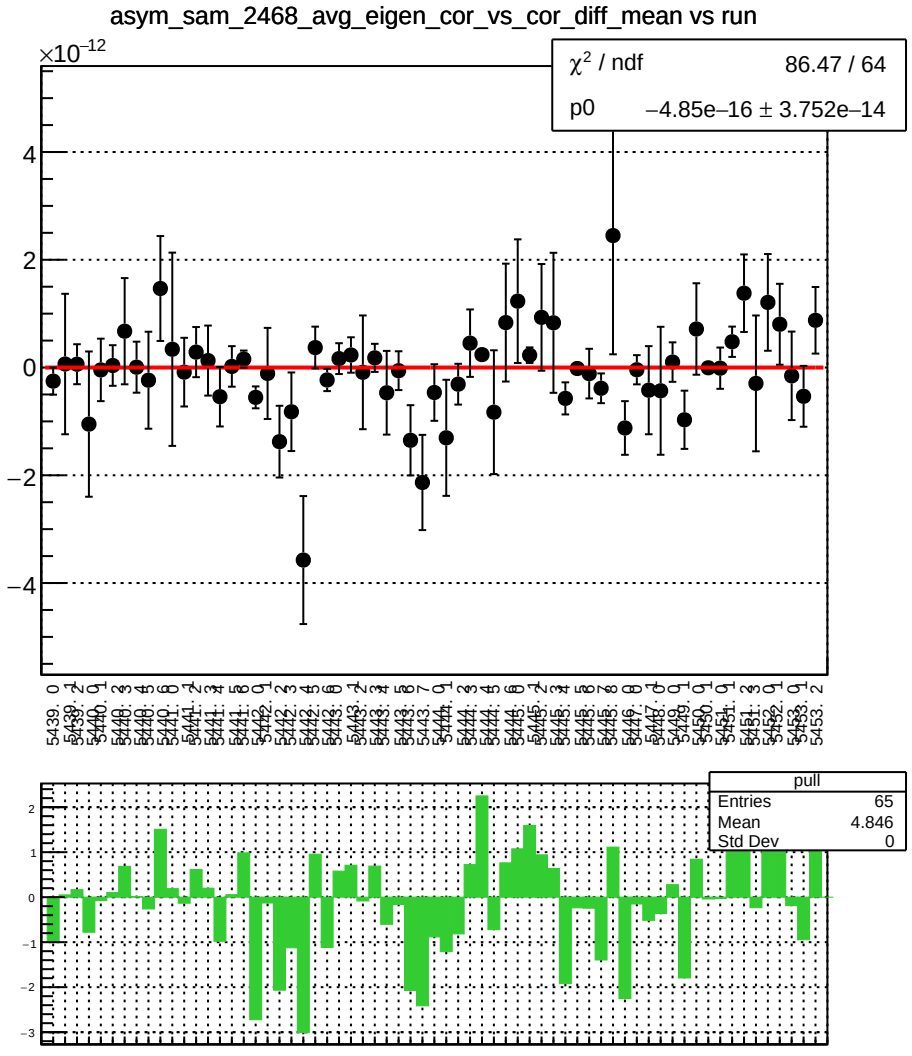

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7648 / 64
p0 0.003224 ± 2.819e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

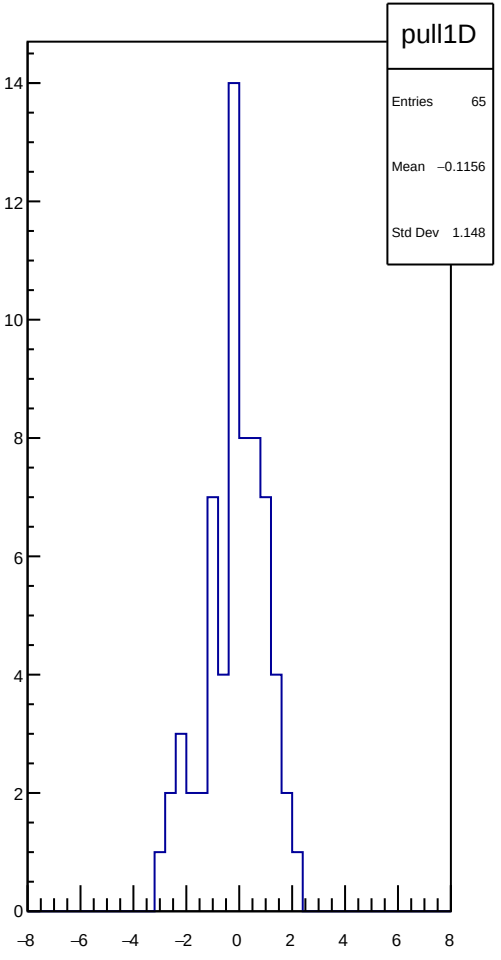

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.94 / 64
p0 0.1054 ± 0.08507
pull
Entries 65
Mean 1609
Std Dev 0
pull1D
Entries 65
Mean 0.002153
Std Dev 1.045

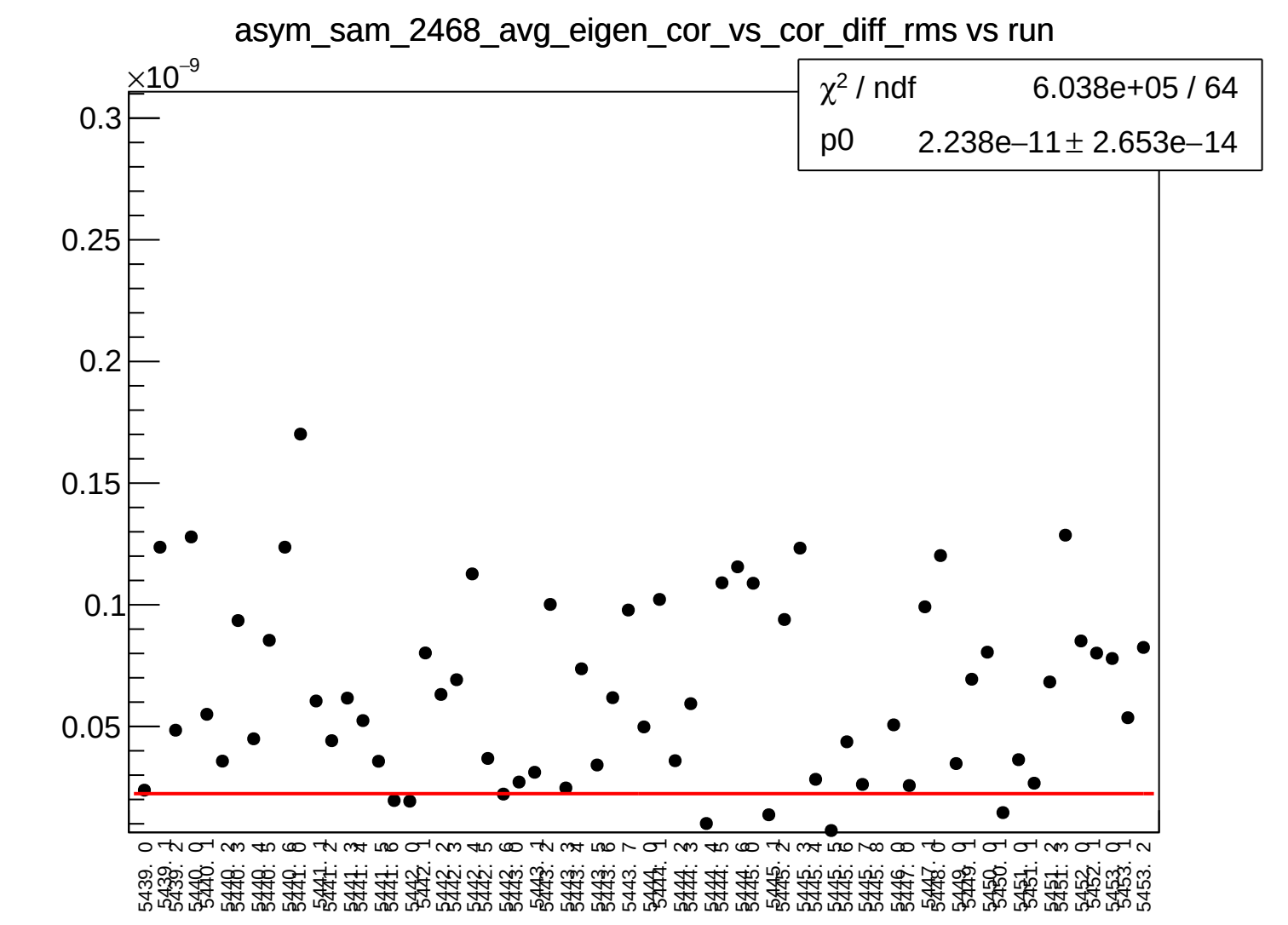

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 64
p0 66.29 ± 0.06015
350
300
250
200
150
100
50

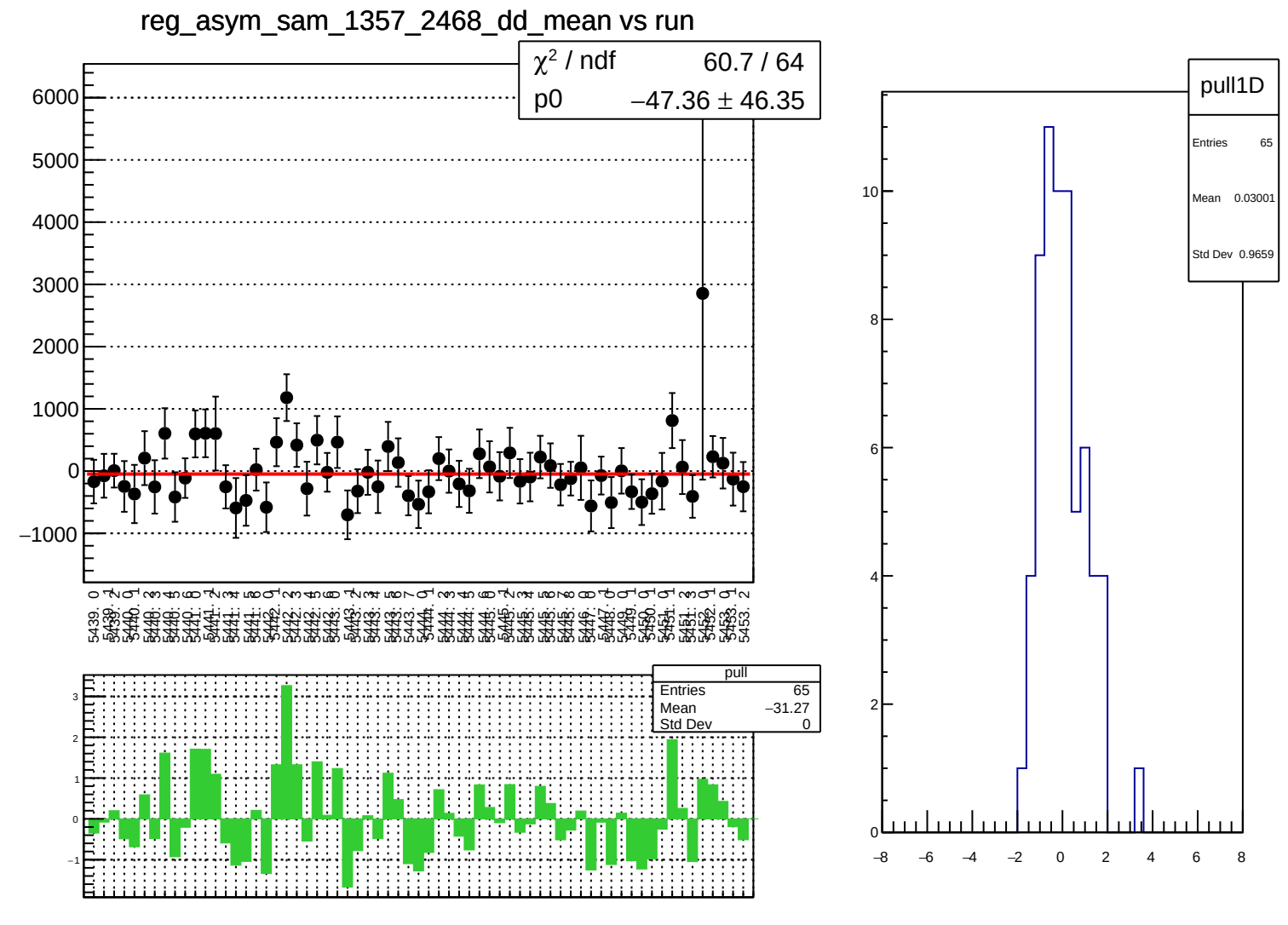

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.94 / 64
p0 0.1054 ± 0.08507
pull
Entries 65
Mean 1609
Std Dev 0
pull1D
Entries 65
Mean 0.002153
Std Dev 1.045

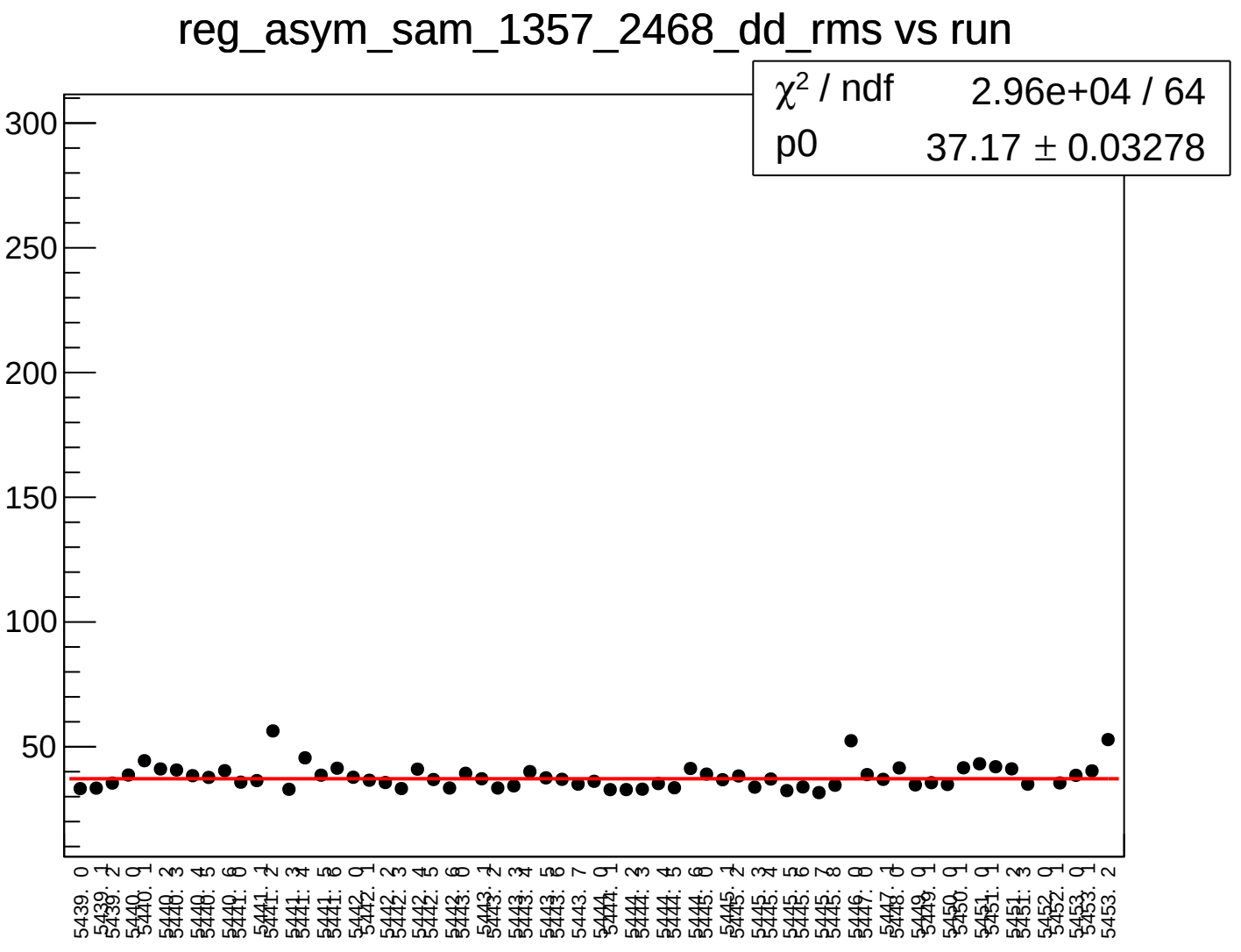

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 64
p0 66.29 ± 0.06015
350
300
250
200
150
100
50

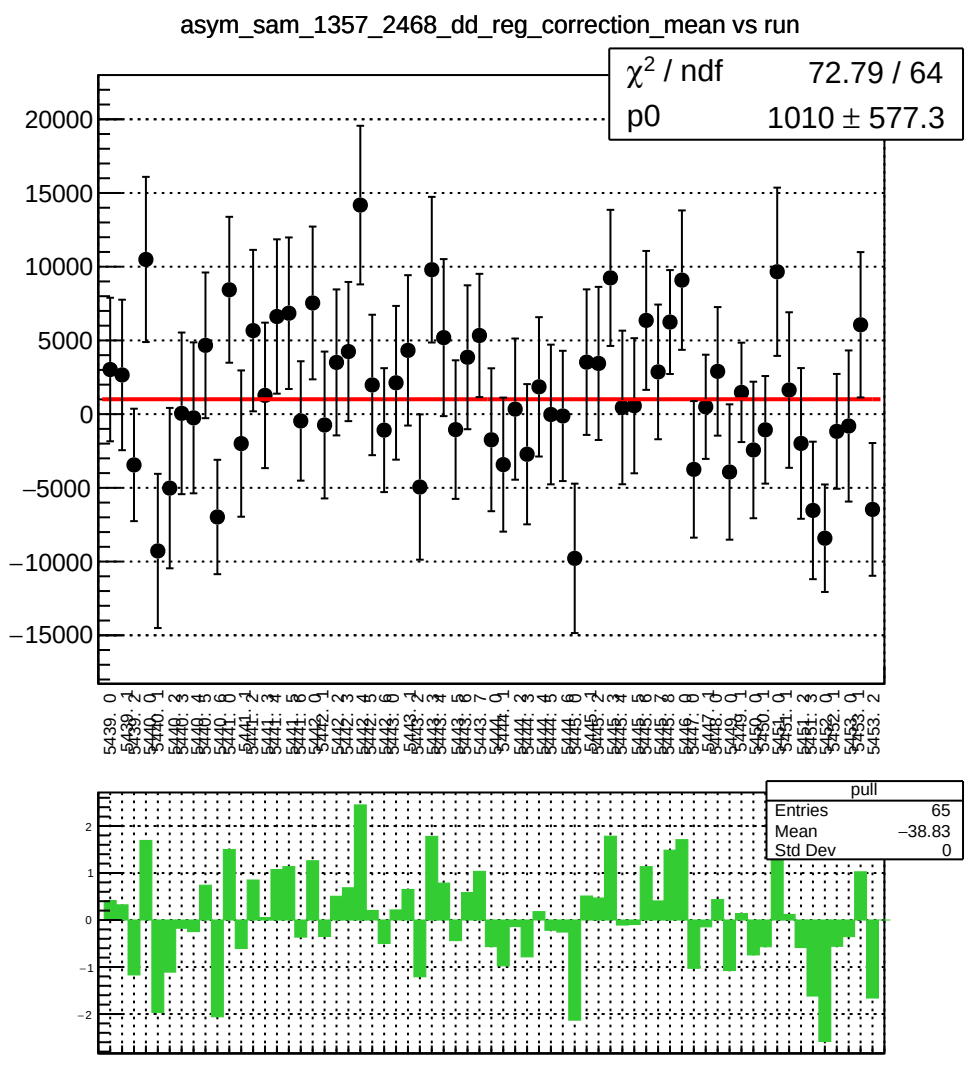

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.47 / 64
p0 −4.85e−16 ± 3.752e−14
pull
Entries 65
Mean 4.846
Std Dev 0

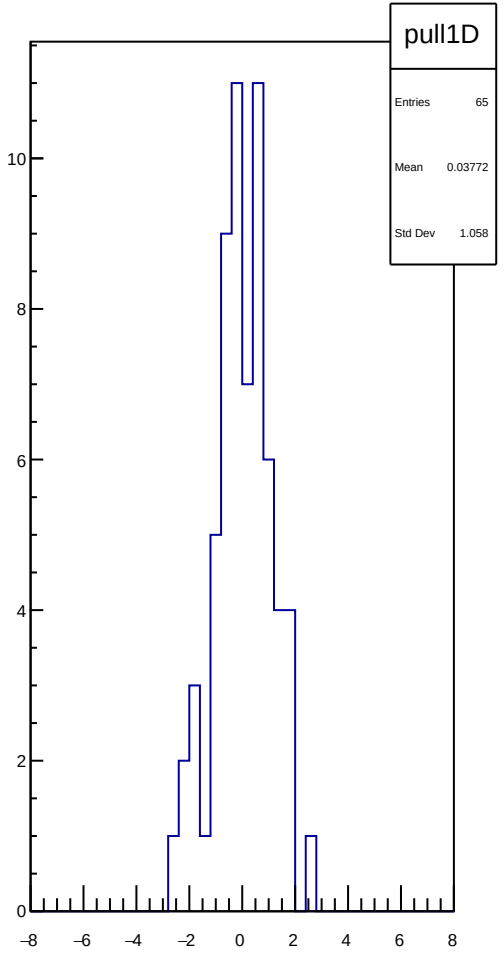

pull1D
Entries 65
Mean −0.1156
Std Dev 1.148

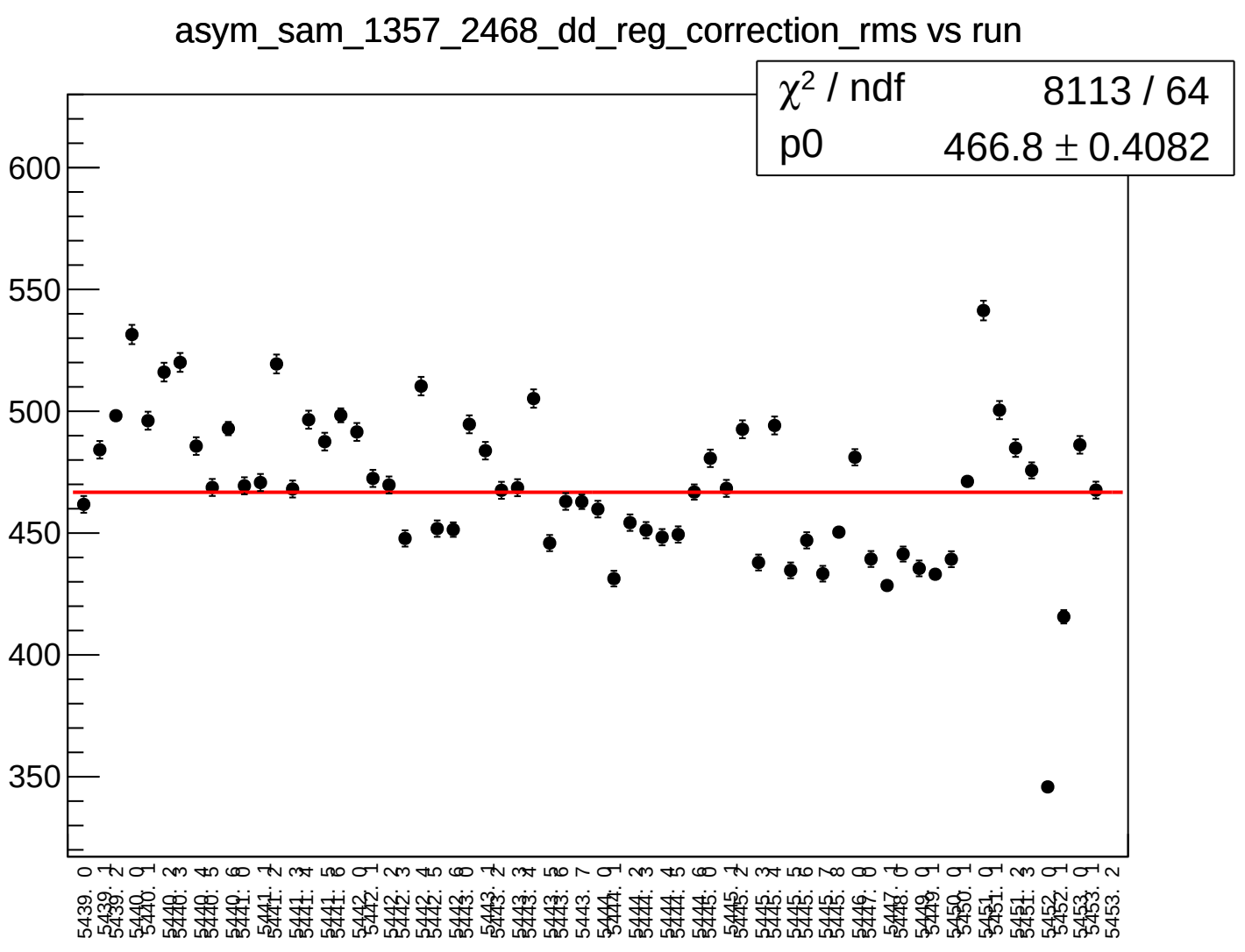

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.038e+05 / 64
p0 2.238e−11 ± 2.653e−14
0.3
0.25
0.2
0.15
0.1
0.05

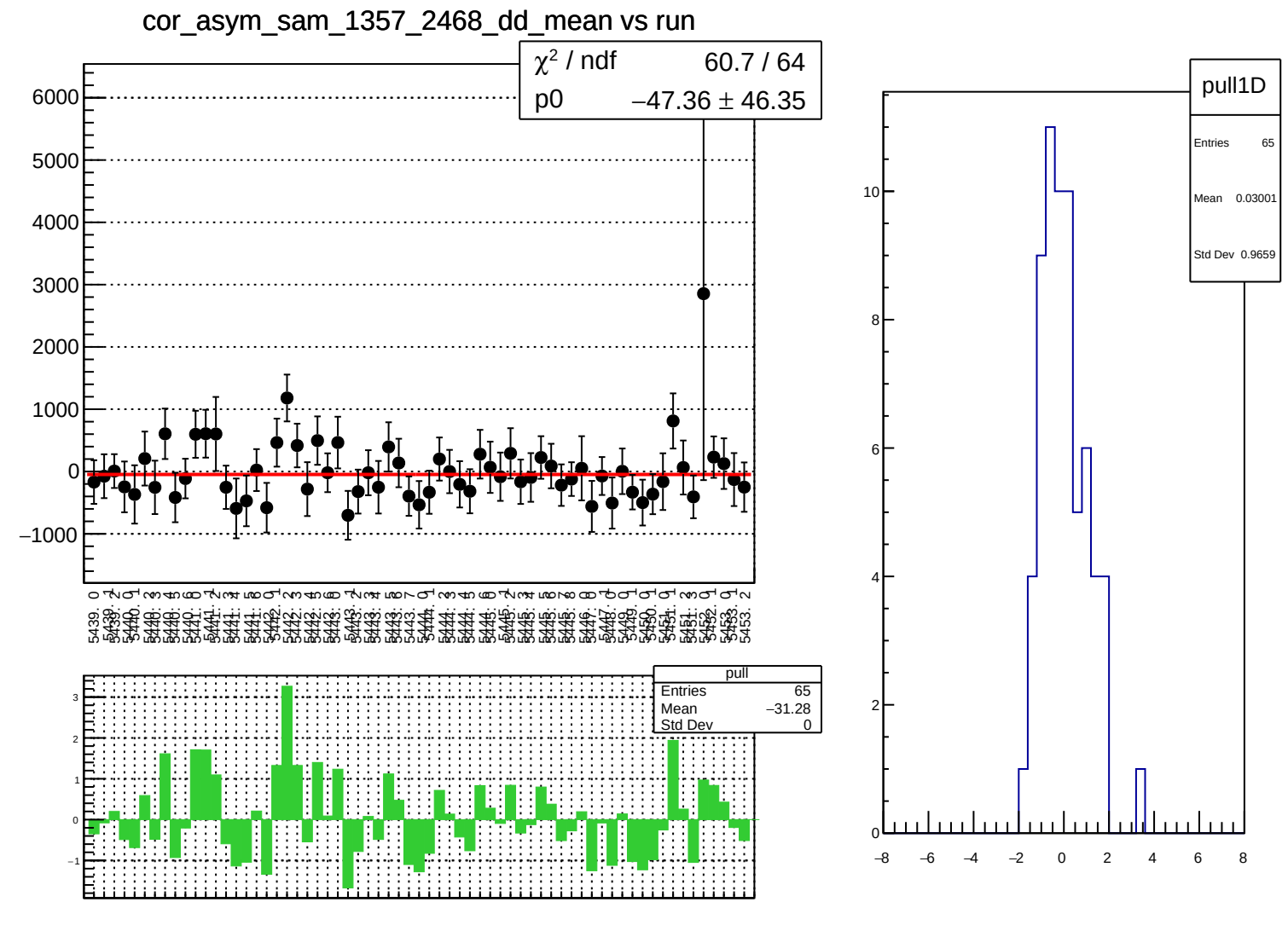

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.7 / 64
p0 −47.36 ± 46.35
pull
Entries 65
Mean −31.27
Std Dev 0
pull1D
Entries 65
Mean 0.03001
Std Dev 0.9659

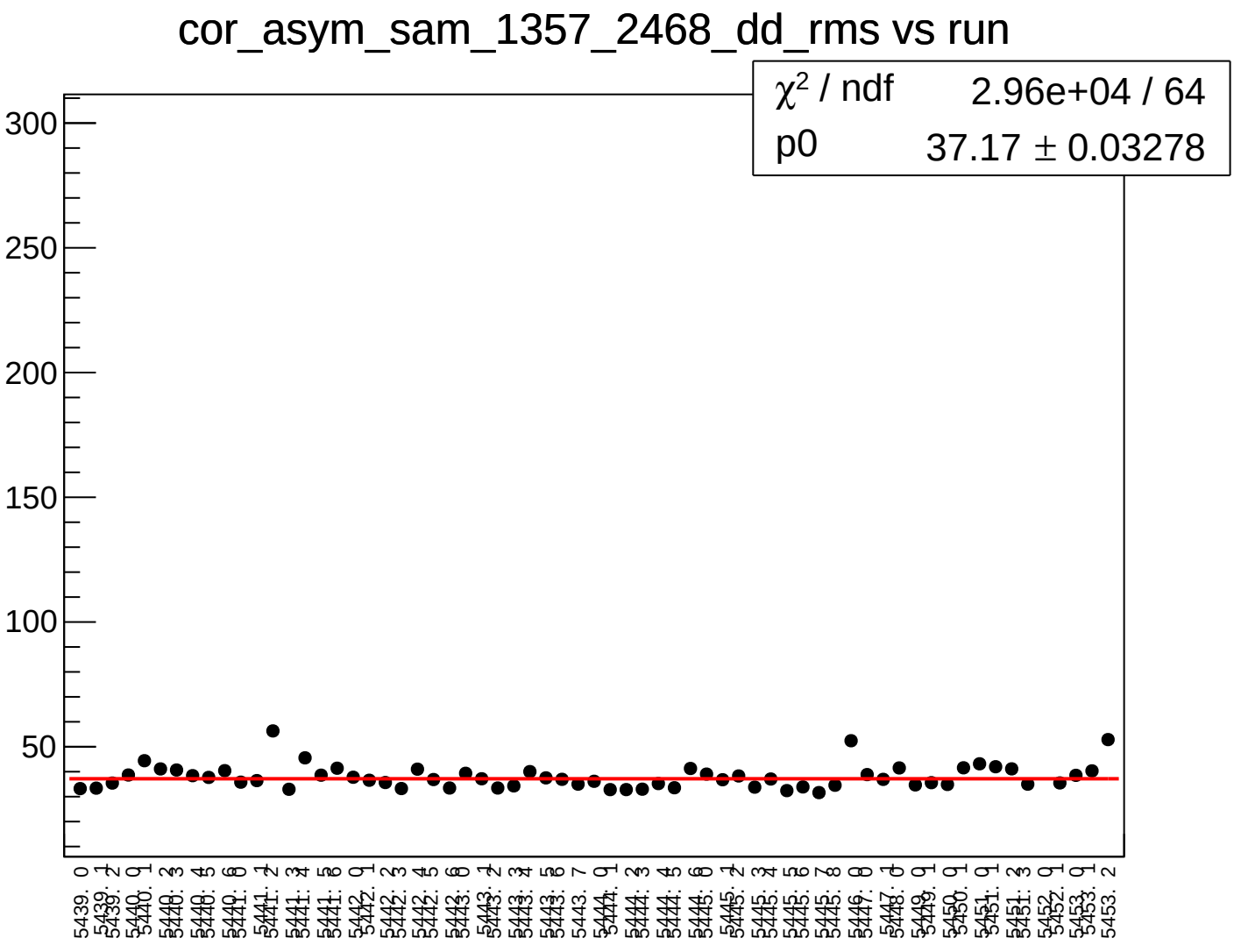

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.96e+04 / 64
p0 37.17 ± 0.03278
300
250
200
150
100
50

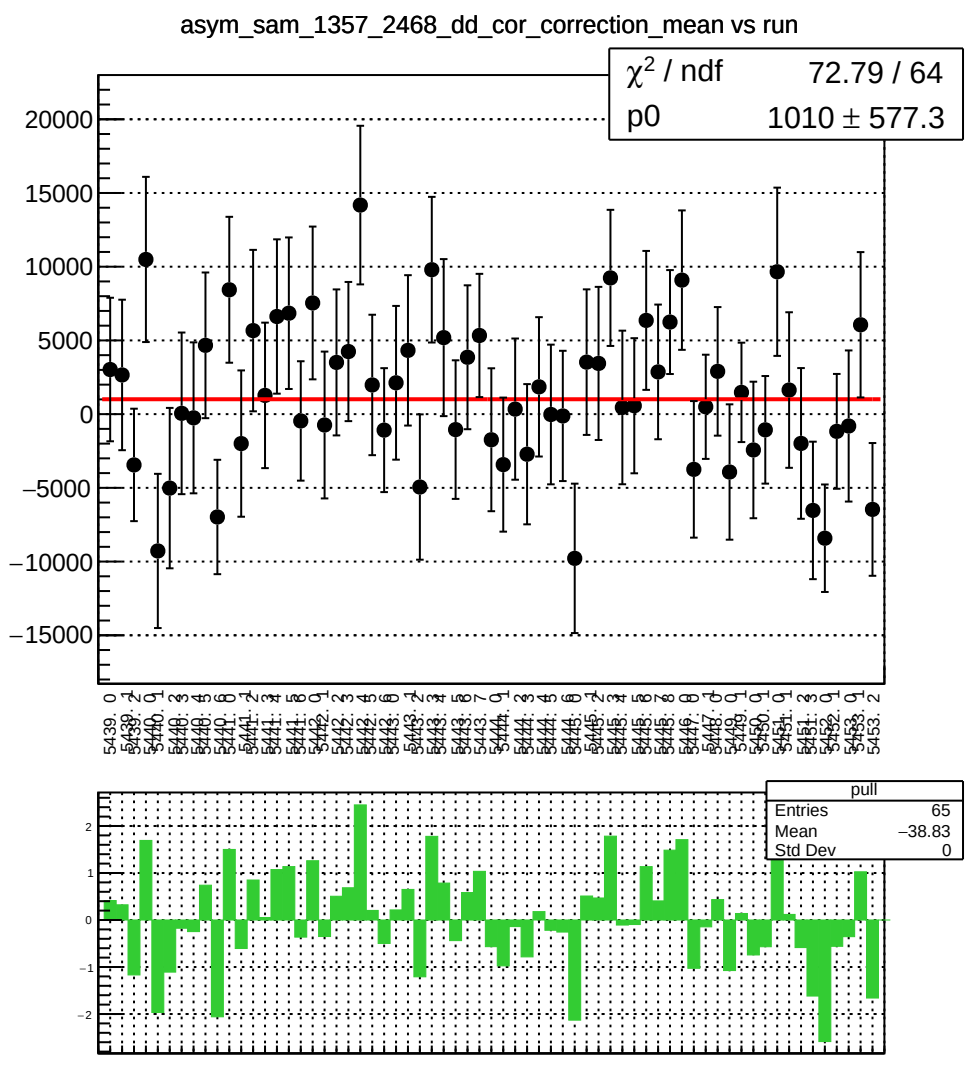

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 72.79 / 64
p0 1010 ± 577.3
pull
Entries 65
Mean −38.83
Std Dev 0

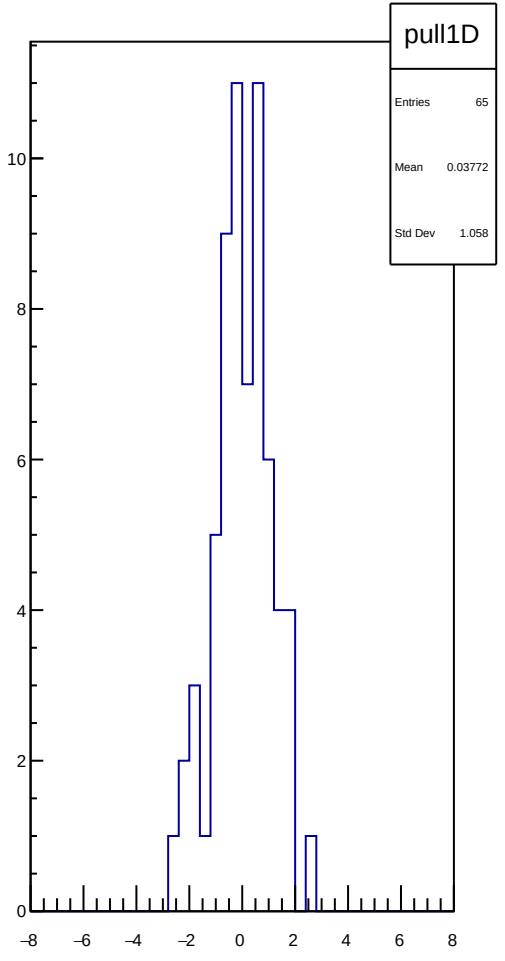

pull1D
Entries 65
Mean 0.03772
Std Dev 1.058

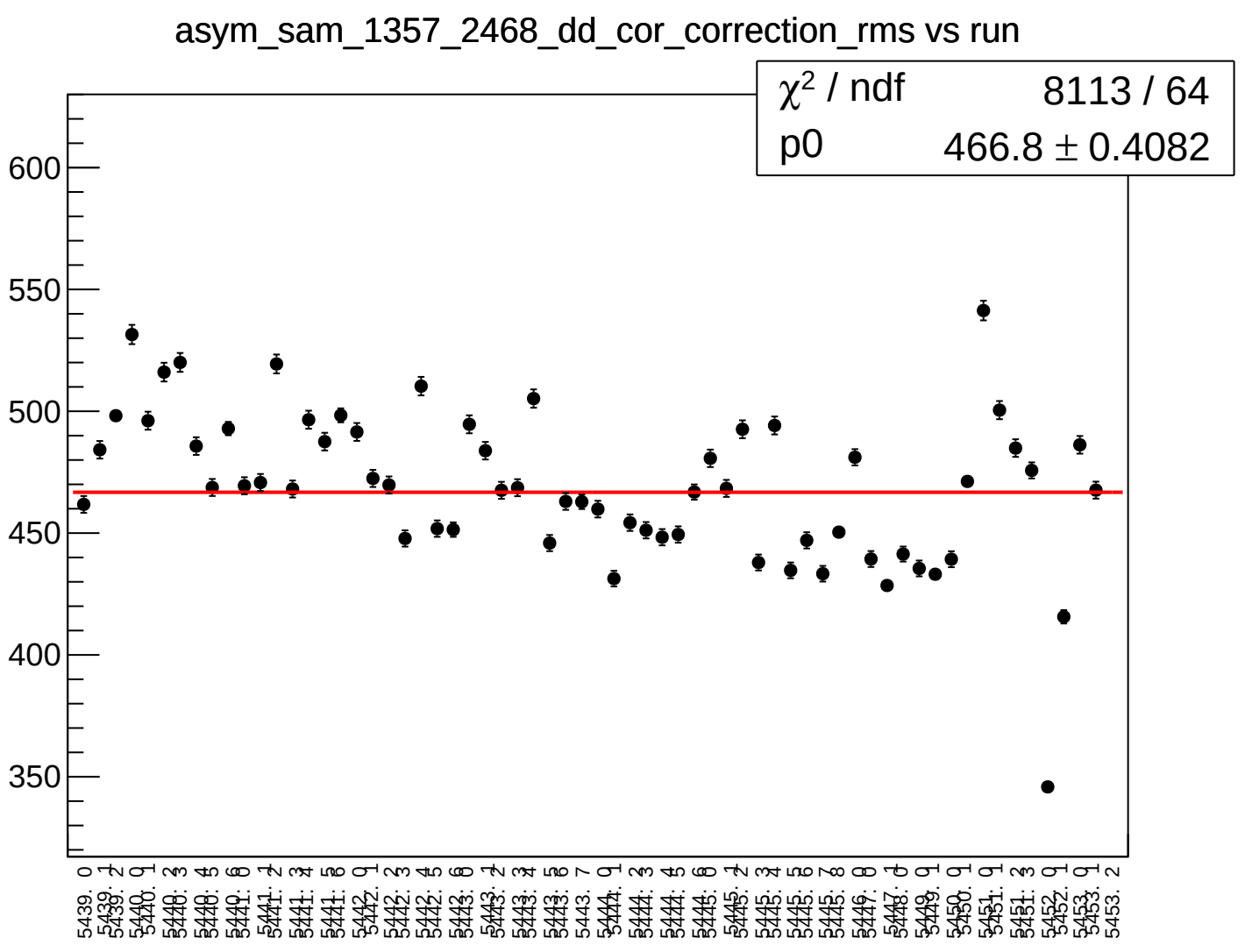

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 8113 / 64
p0 466.8 ± 0.4082
600
550
500
450
400
350

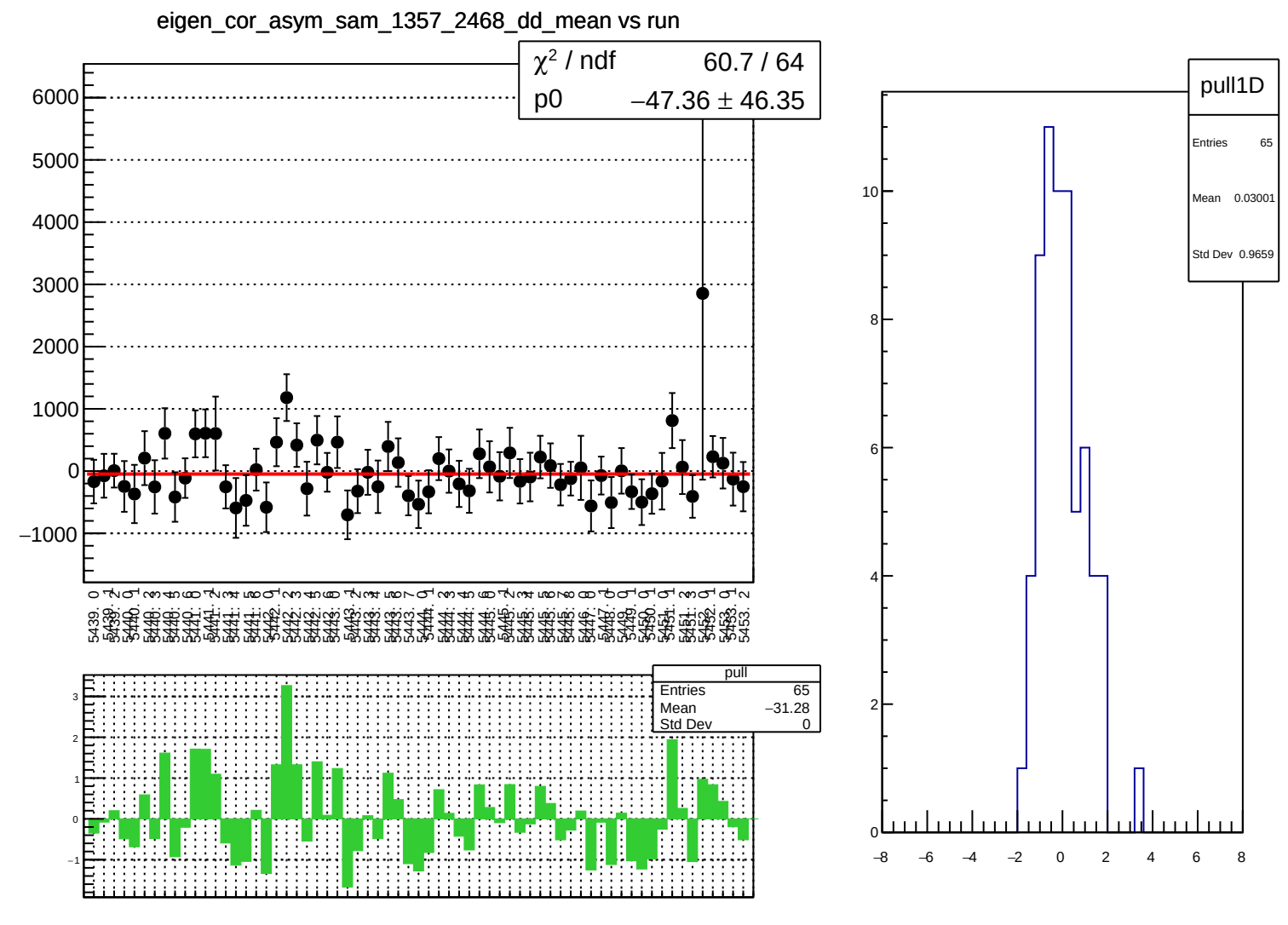

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.7 / 64
p0 −47.36 ± 46.35
pull
Entries 65
Mean −31.28
Std Dev 0
pull1D
Entries 65
Mean 0.03001
Std Dev 0.9659

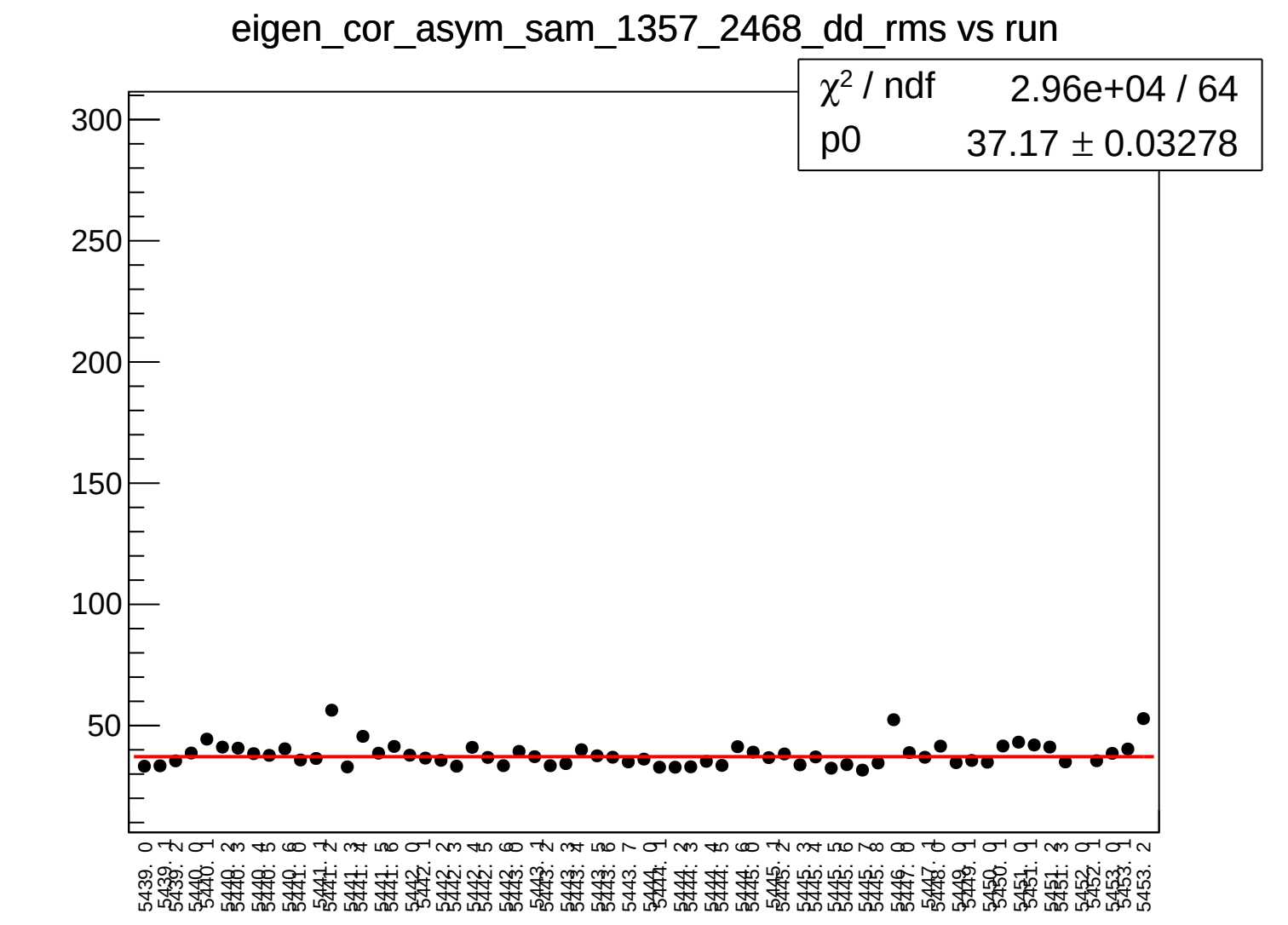

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.96e+04 / 64
p0 37.17 ± 0.03278
300
250
200
150
100
50

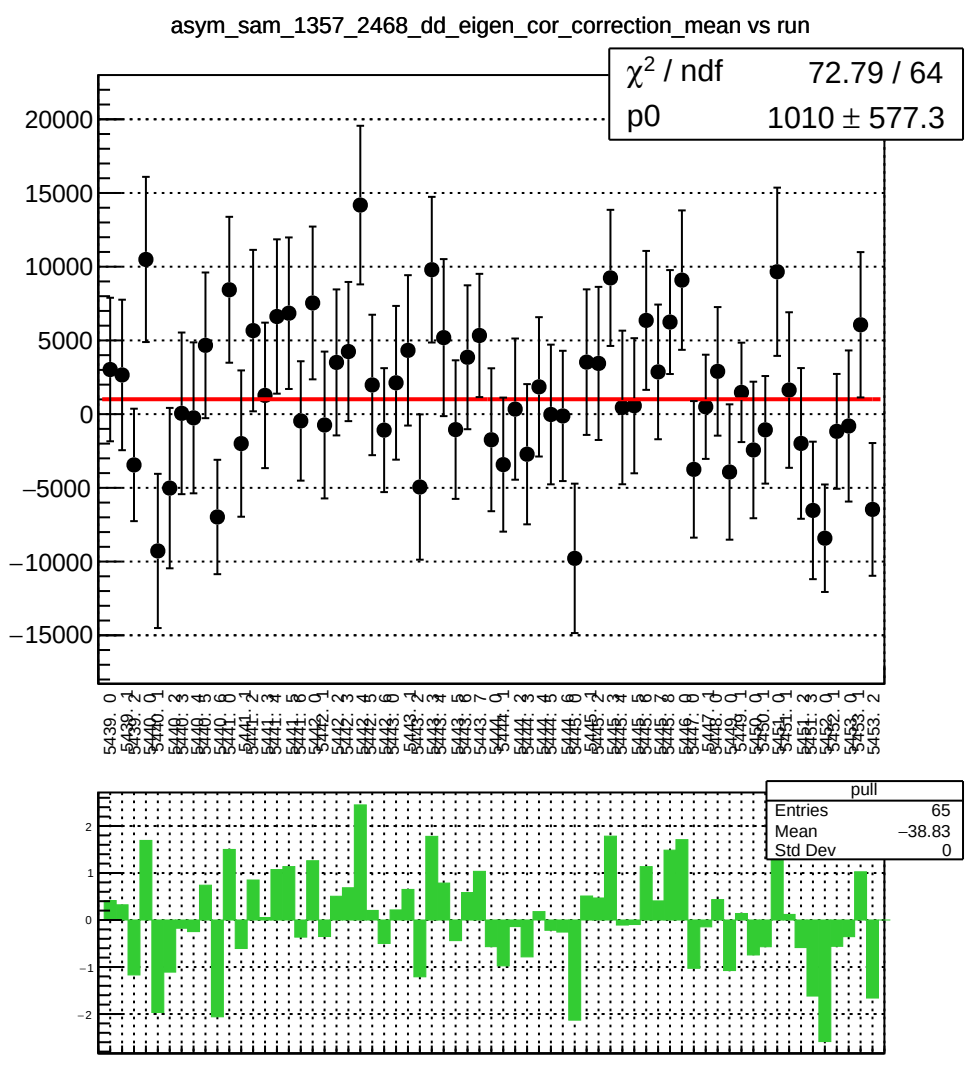

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 72.79 / 64
p0 1010 ± 577.3
pull
Entries 65
Mean −38.83
Std Dev 0

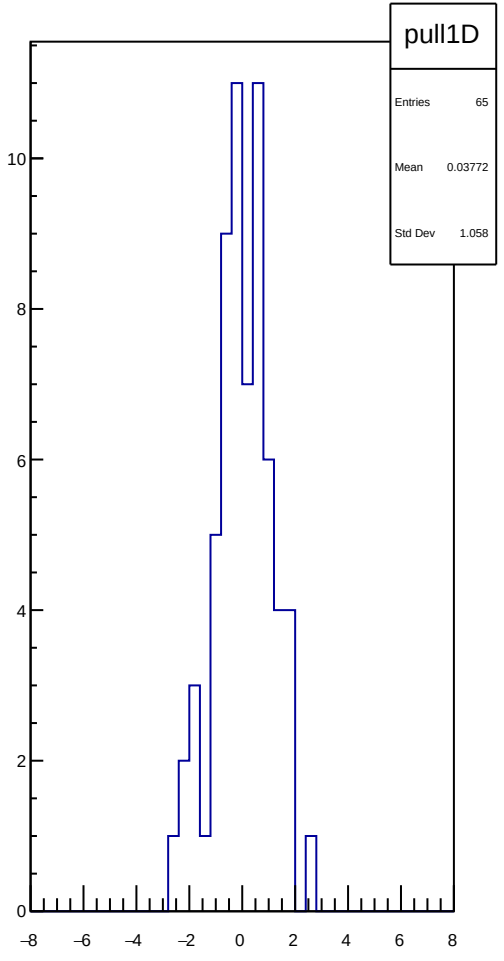

pull1D
Entries 65
Mean 0.03772
Std Dev 1.058

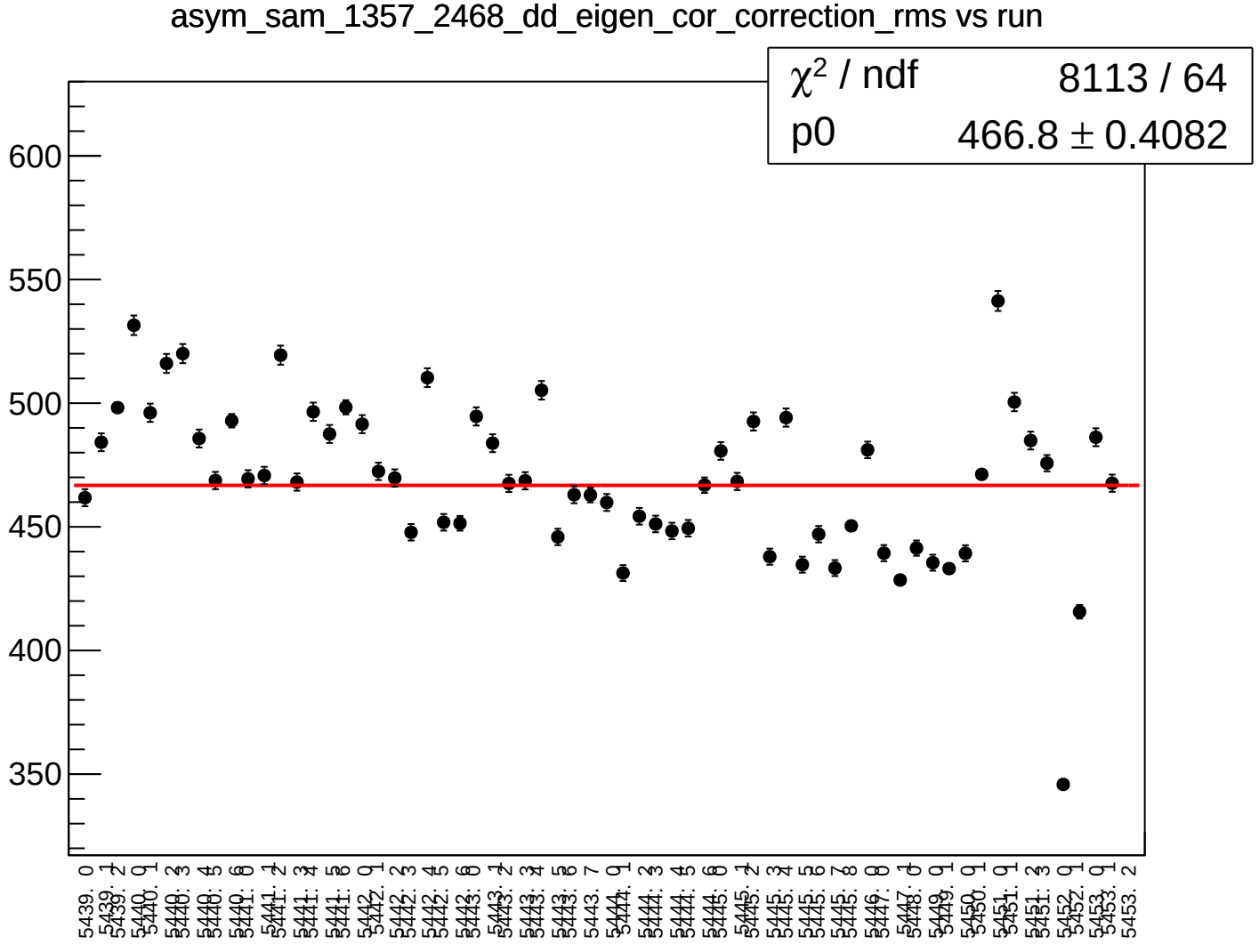

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 8113 / 64
p0 466.8 ± 0.4082
600
550
500
450
400
350

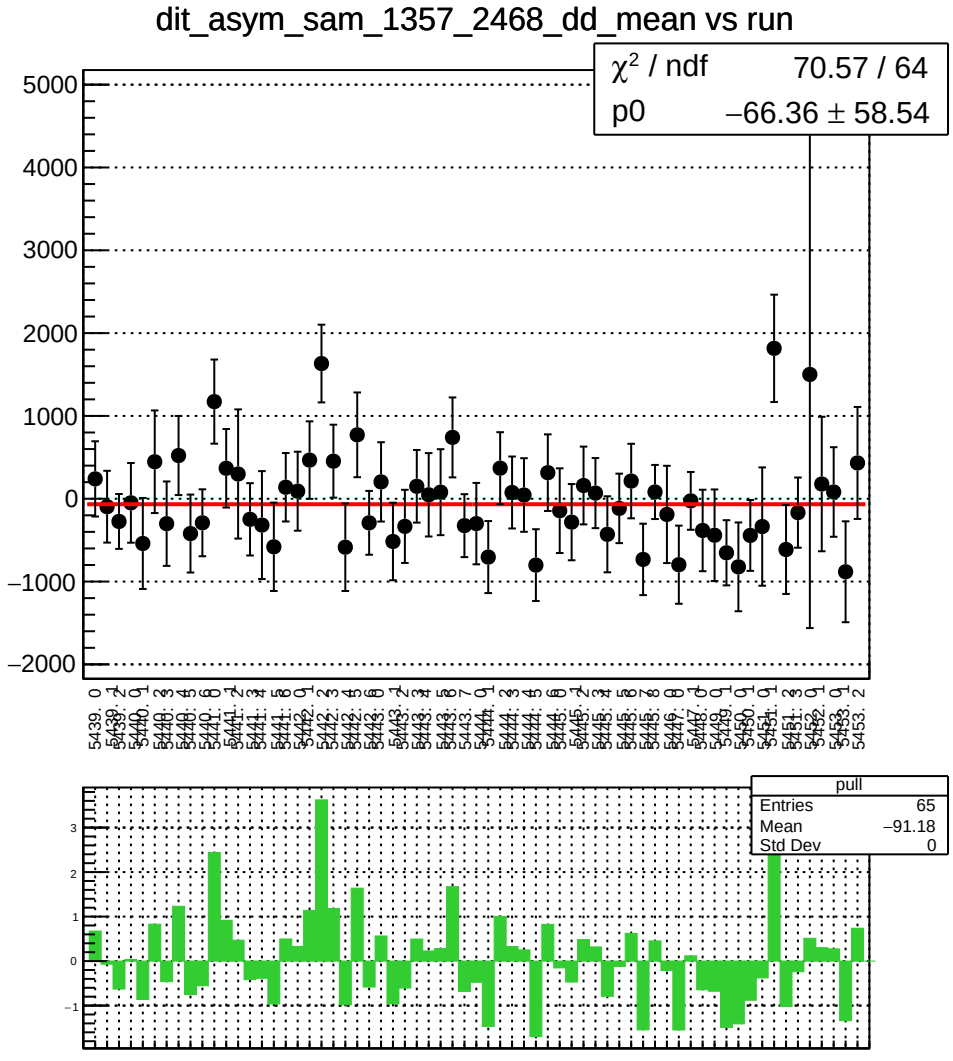

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.7 / 64
p0 −47.36 ± 46.35
pull
Entries 65
Mean −31.28
Std Dev 0
pull1D
Entries 65
Mean 0.03001
Std Dev 0.9659

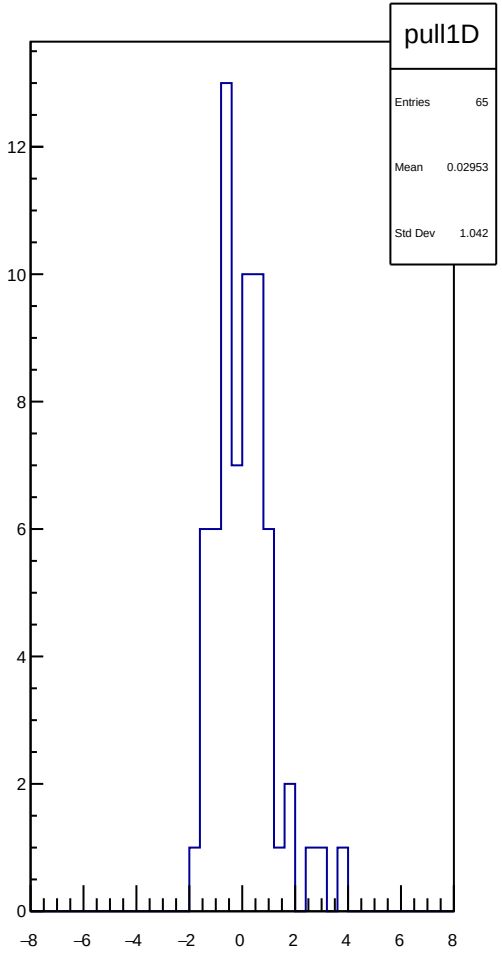

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.96e+04 / 64
p0 37.17 ± 0.03278
300
250
200
150
100
50

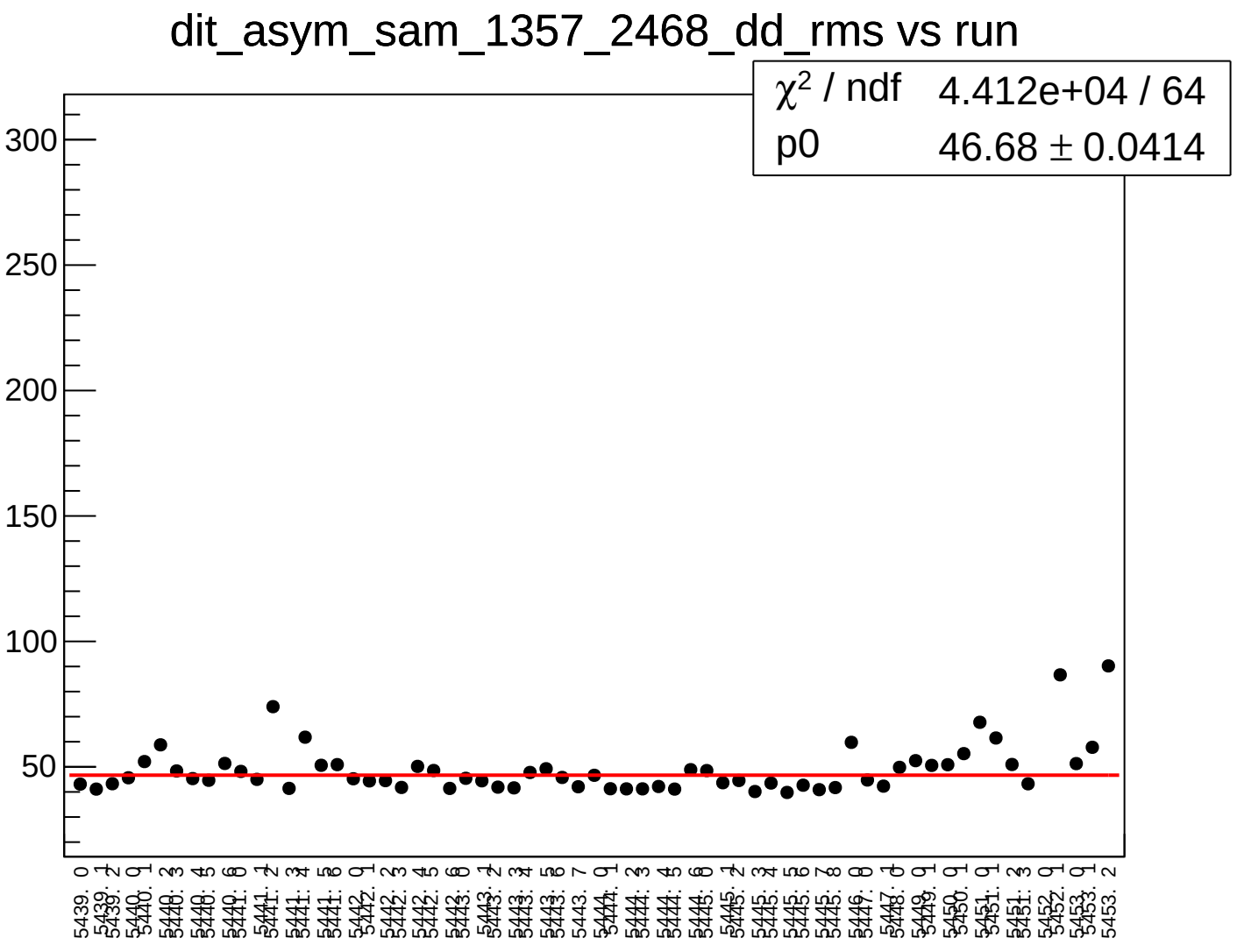

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 72.79 / 64
p0 1010 ± 577.3
pull
Entries 65
Mean −38.83
Std Dev 0

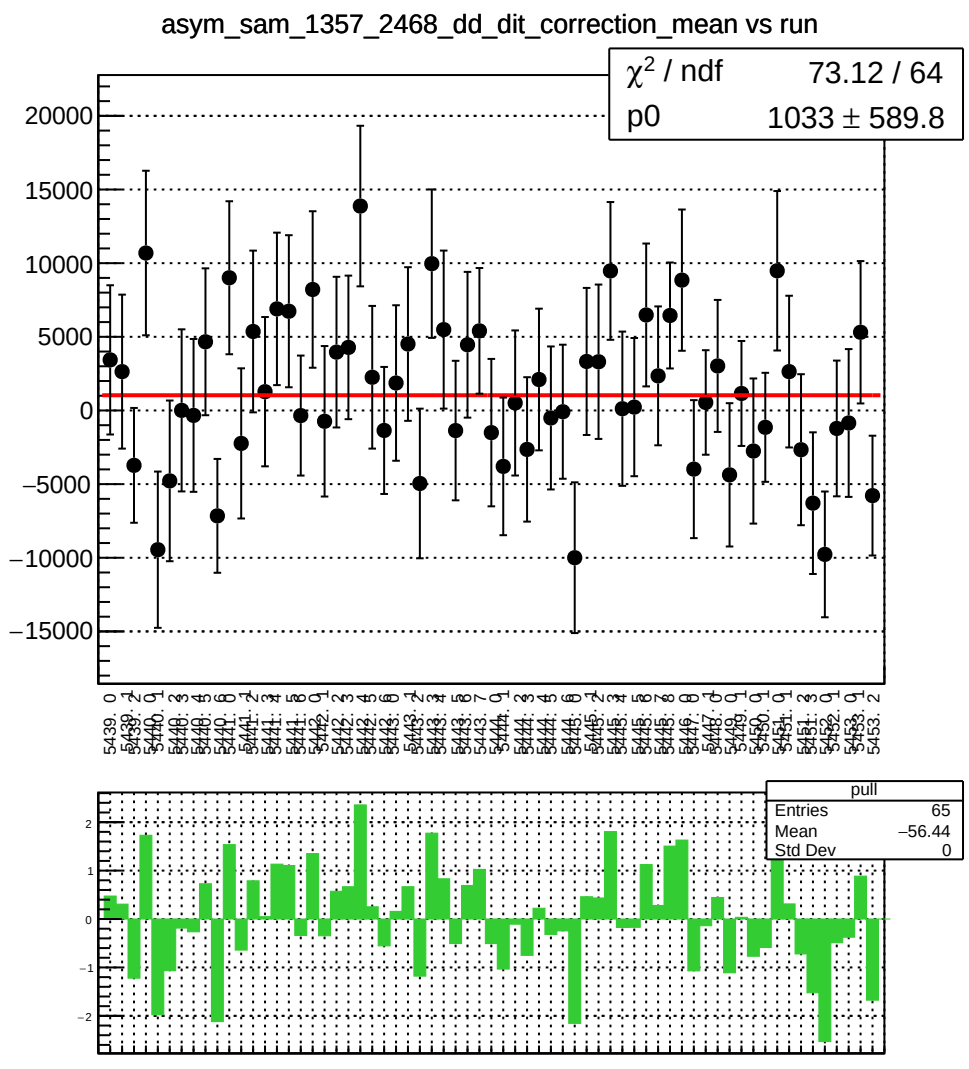

pull1D
Entries 65
Mean 0.03772
Std Dev 1.058

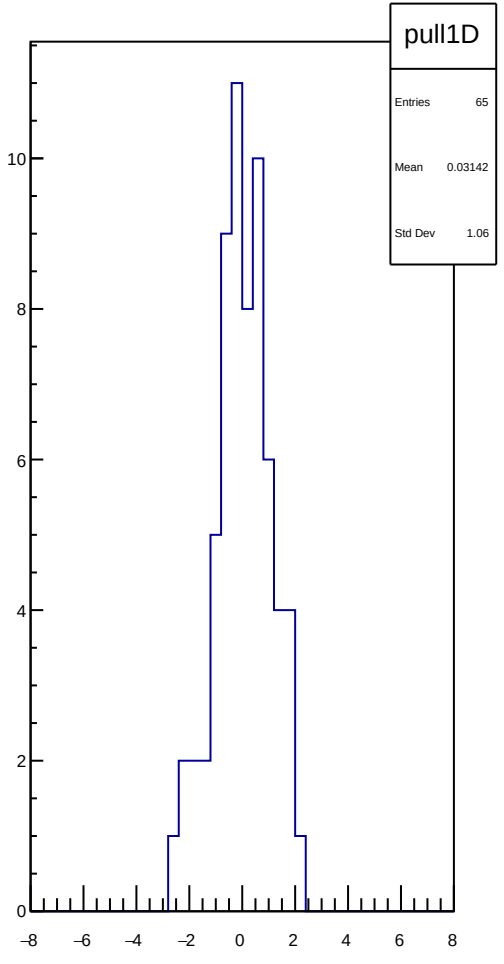

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 8113 / 64
p0 466.8 ± 0.4082
600
550
500
450
400
350

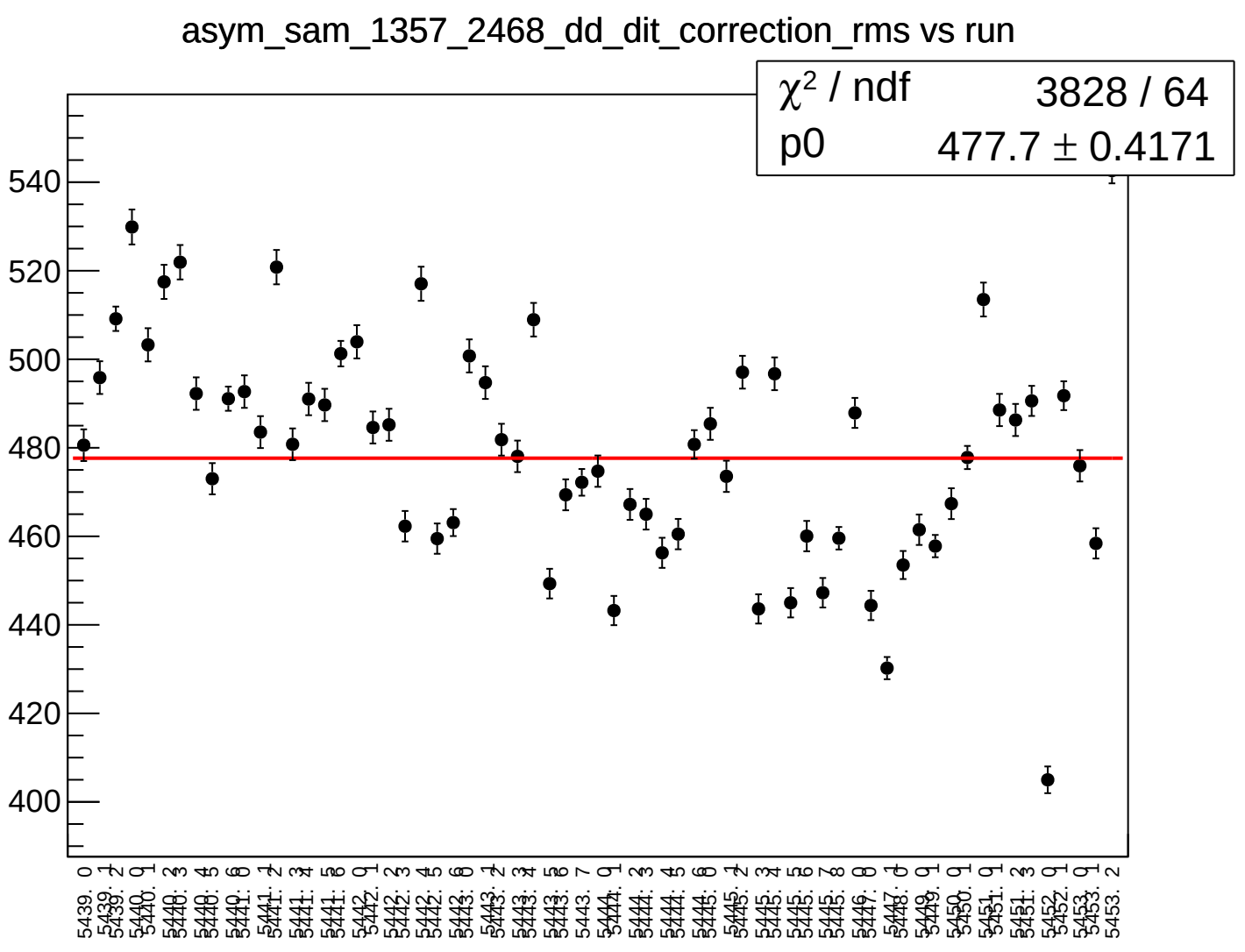

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 70.57 / 64
p0 −66.36 ± 58.54
pull
Entries 65
Mean −91.18
Std Dev 0

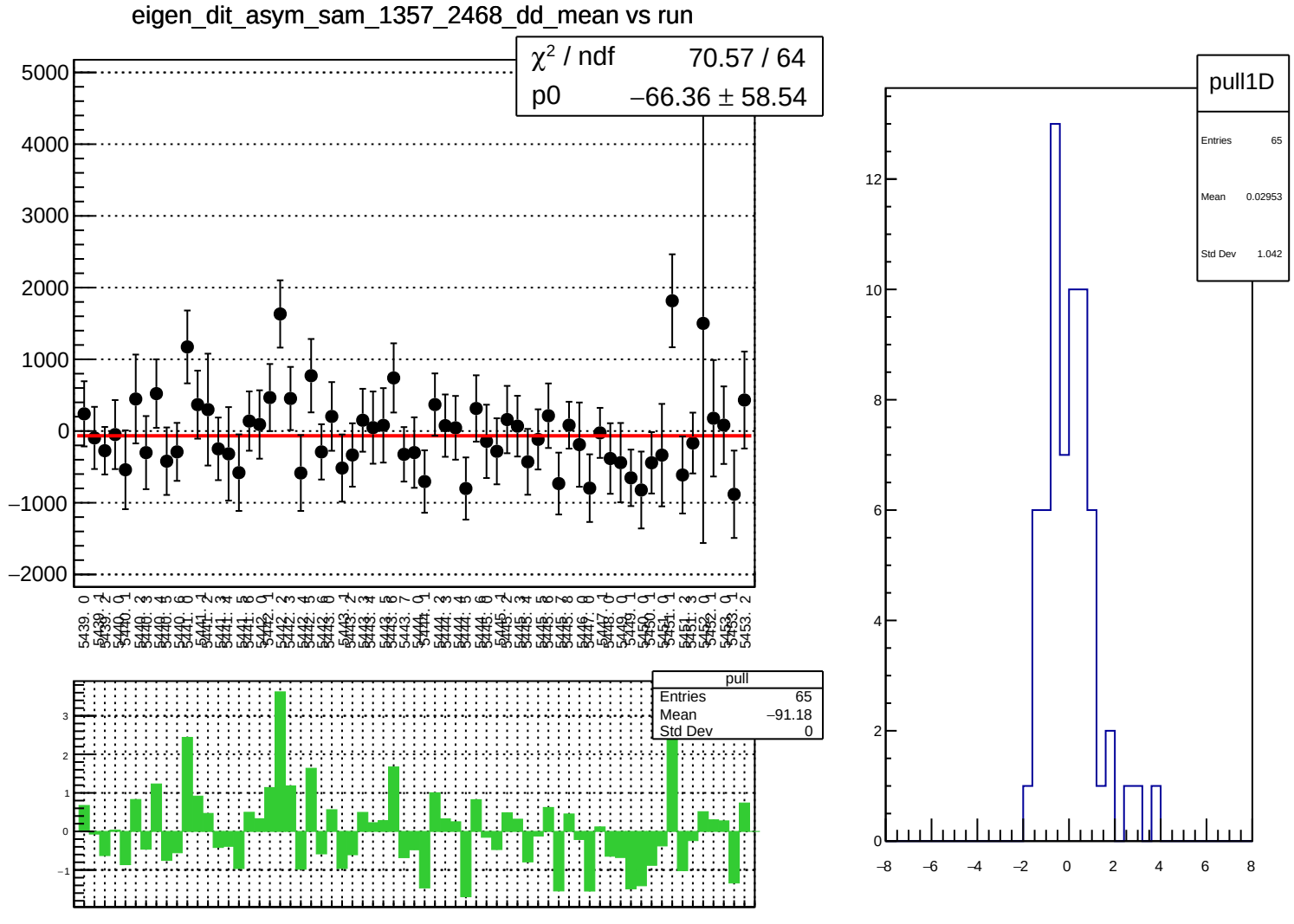

pull1D
Entries 65
Mean 0.02953
Std Dev 1.042

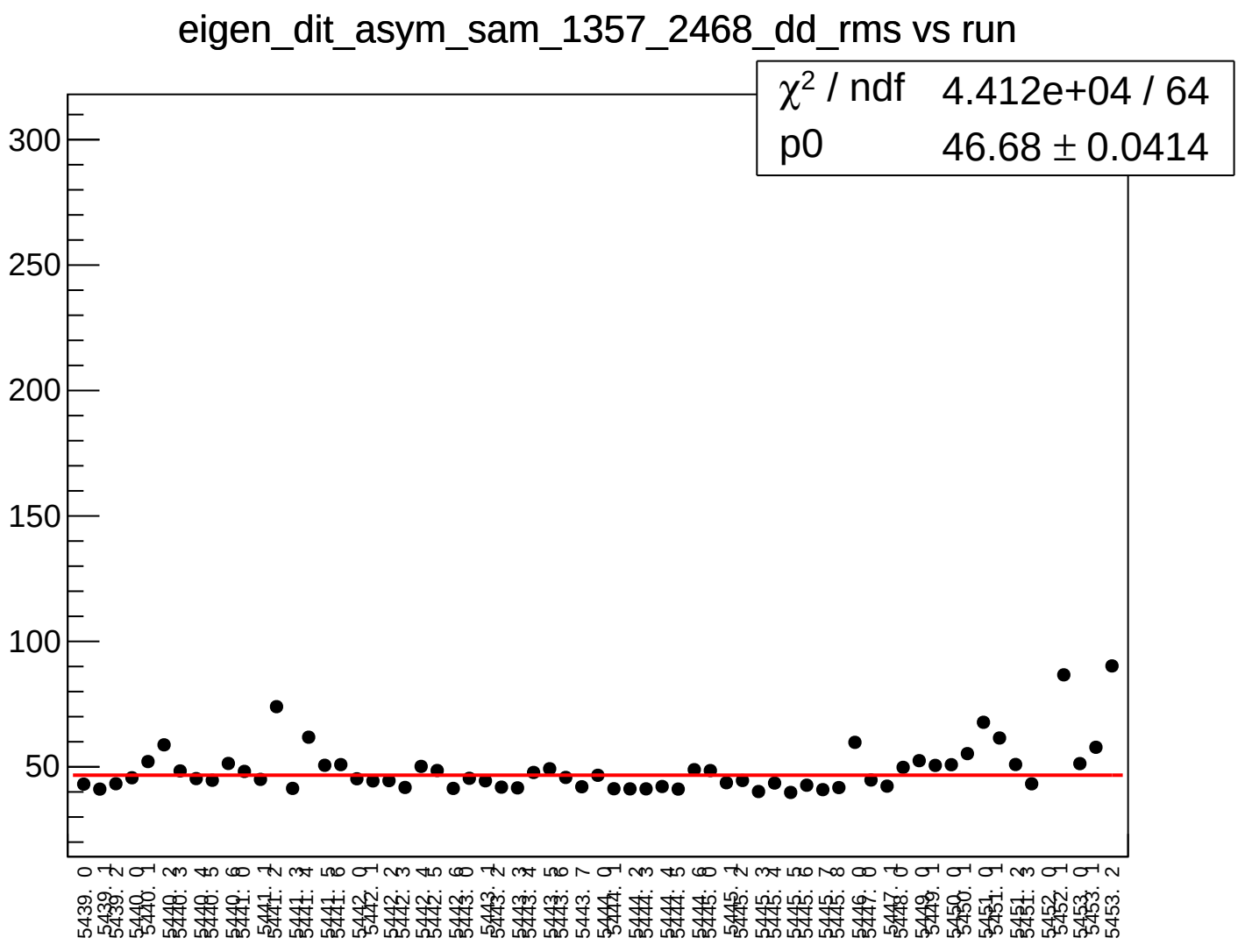

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4.412e+04 / 64
p0 46.68 ± 0.0414
300
250
200
150
100
50

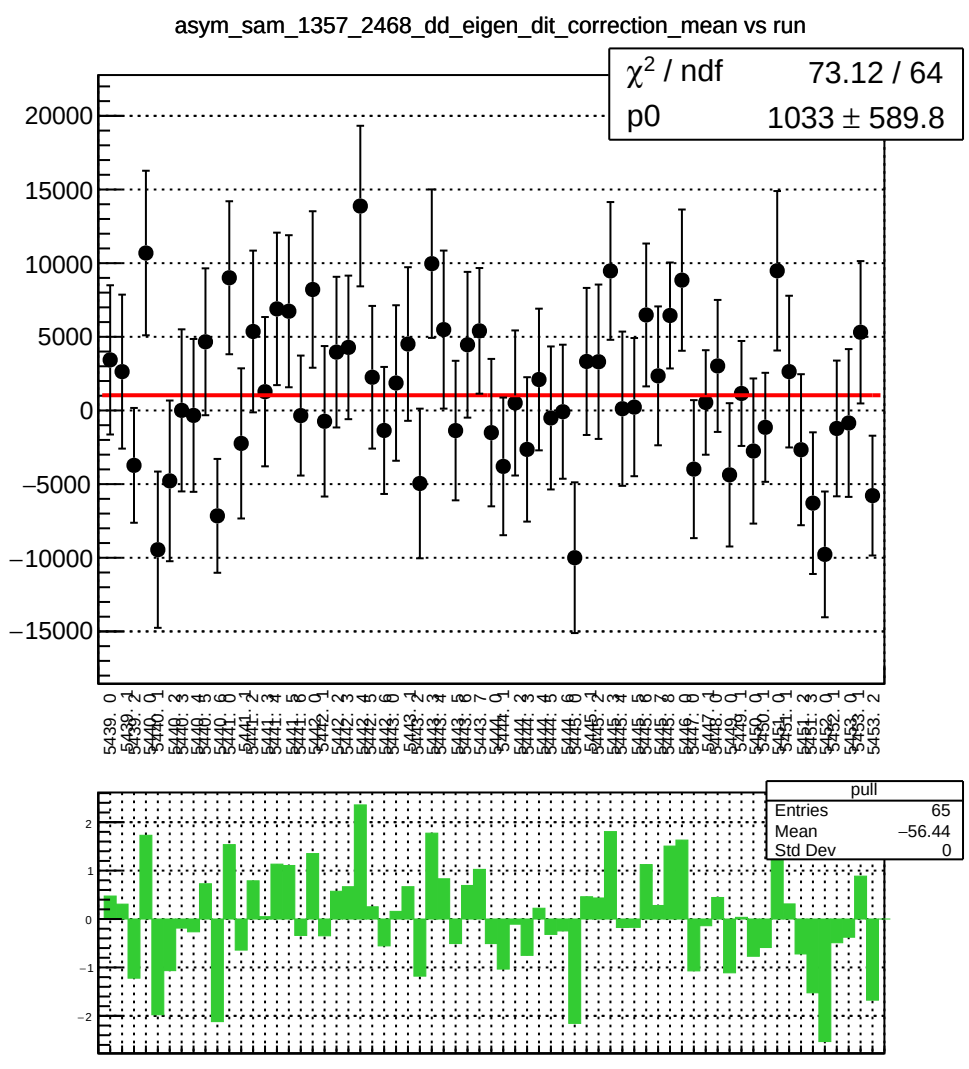

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 73.12 / 64
p0 1033 ± 589.8
pull
Entries 65
Mean −56.44
Std Dev 0

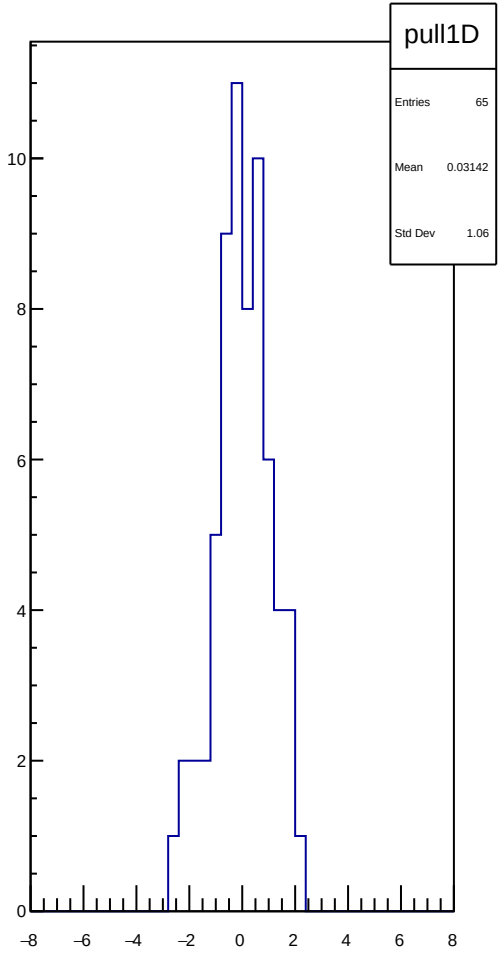

pull1D
Entries 65
Mean 0.03142
Std Dev 1.06

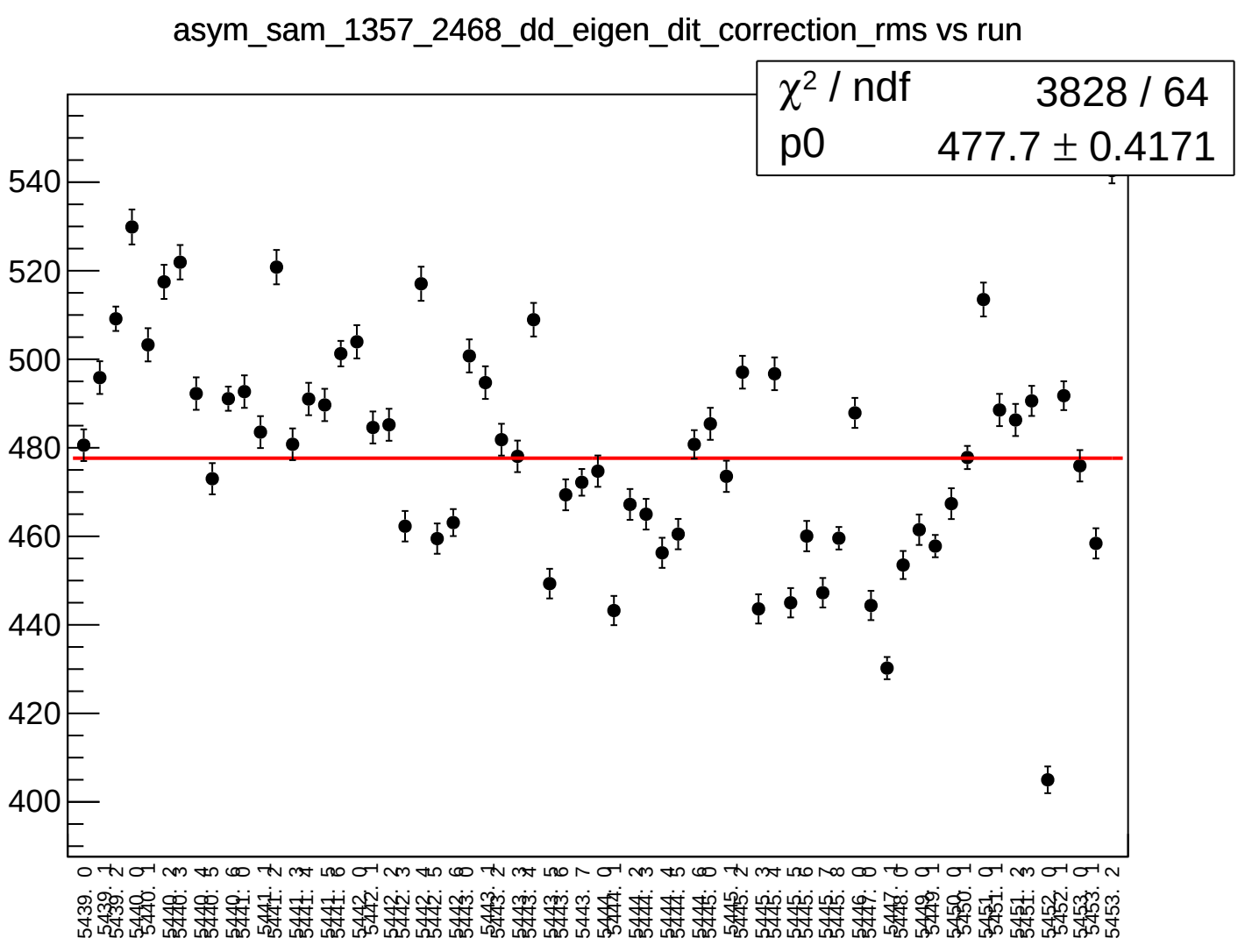

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3828 / 64
p0 477.7 ± 0.4171
540
520
500
480
460
440
420
400

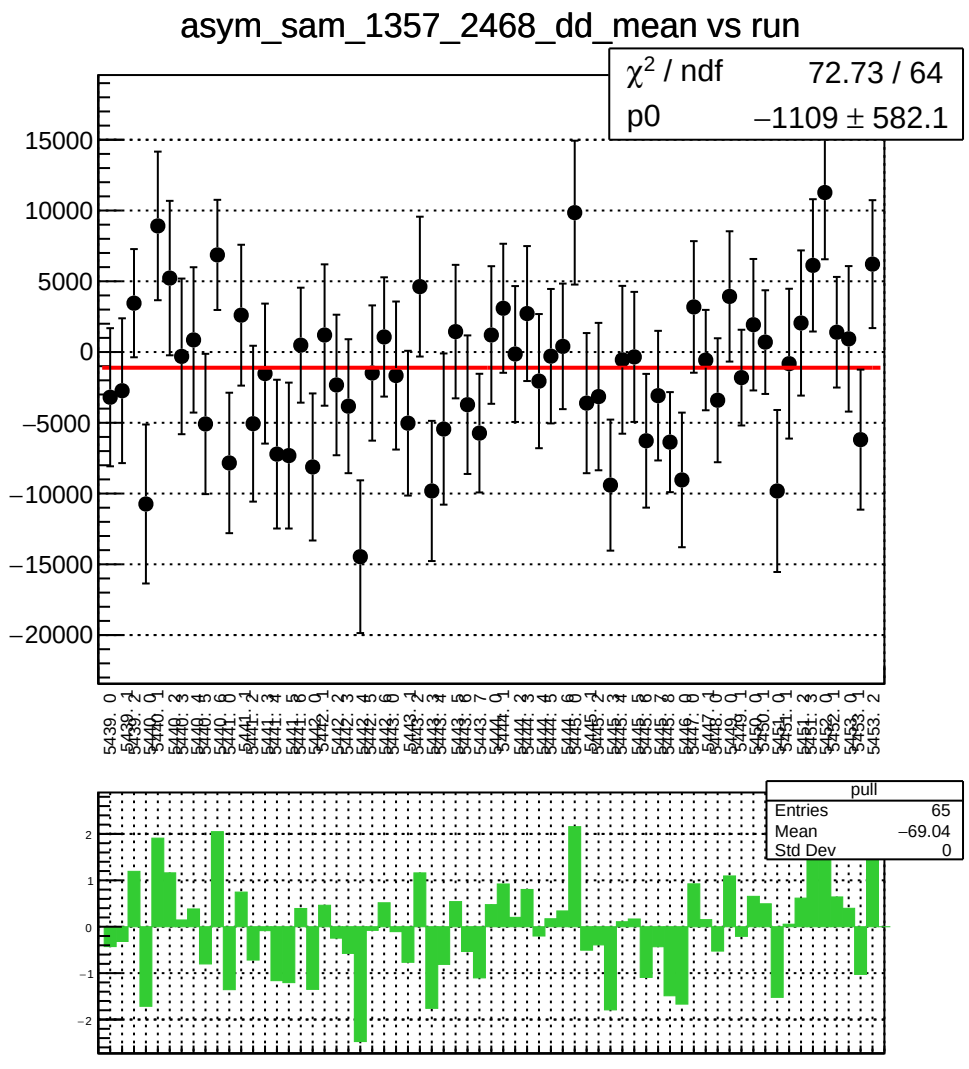

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 70.57 / 64
p0 −66.36 ± 58.54
pull
Entries 65
Mean −91.18
Std Dev 0
pull1D
Entries 65
Mean 0.02953
Std Dev 1.042

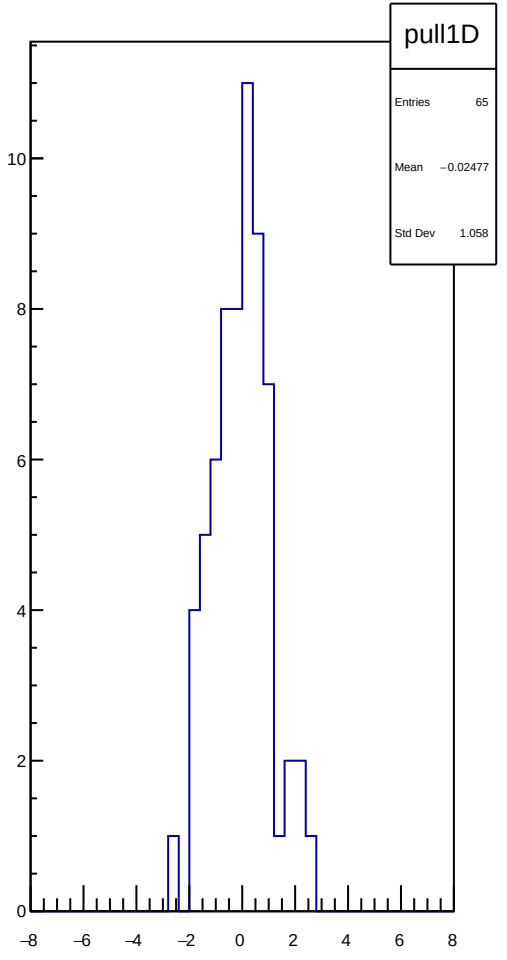

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4.412e+04 / 64
p0 46.68 ± 0.0414
300
250
200
150
100
50

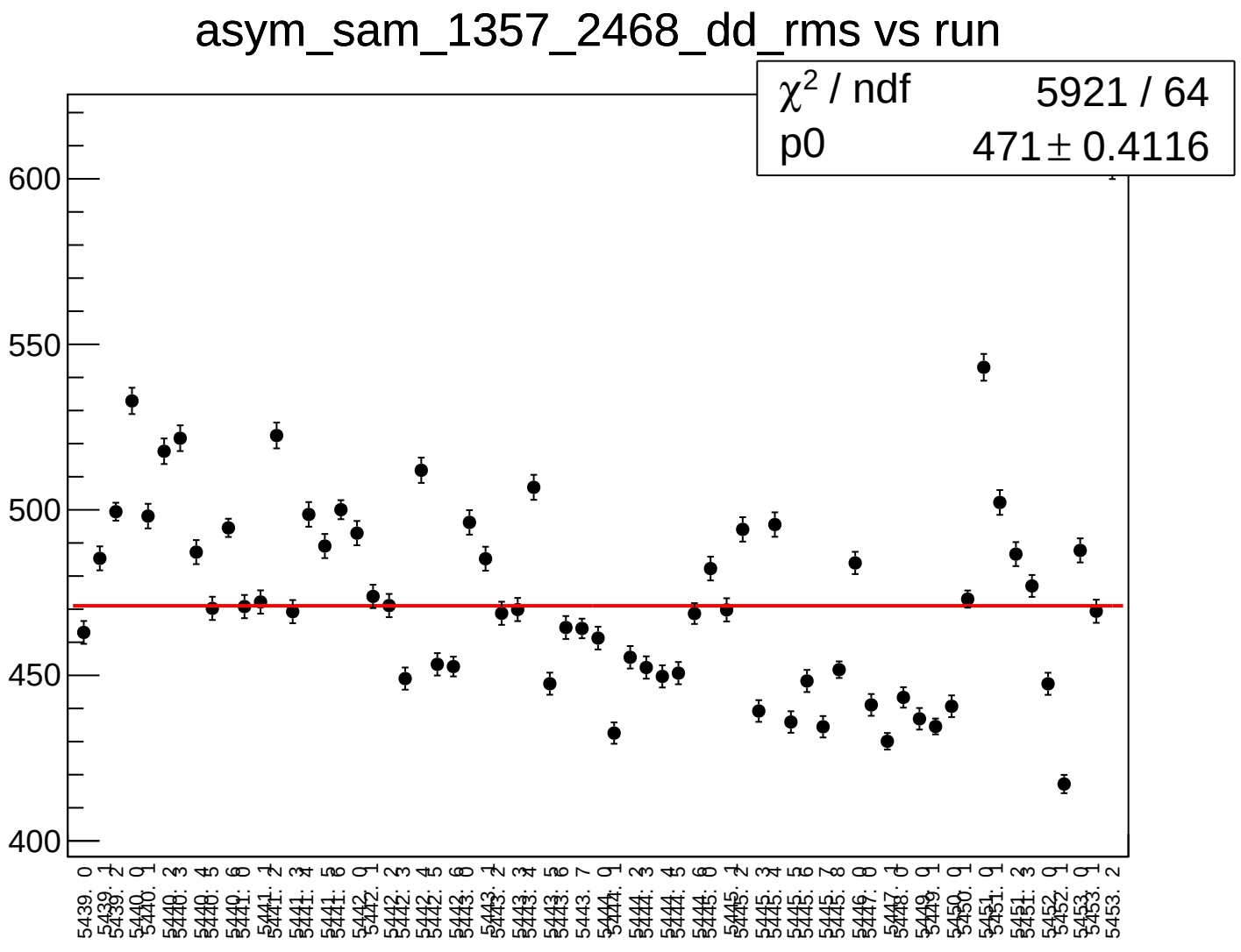

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 73.12 / 64
p0 1033 ± 589.8
pull
Entries 65
Mean −56.44
Std Dev 0

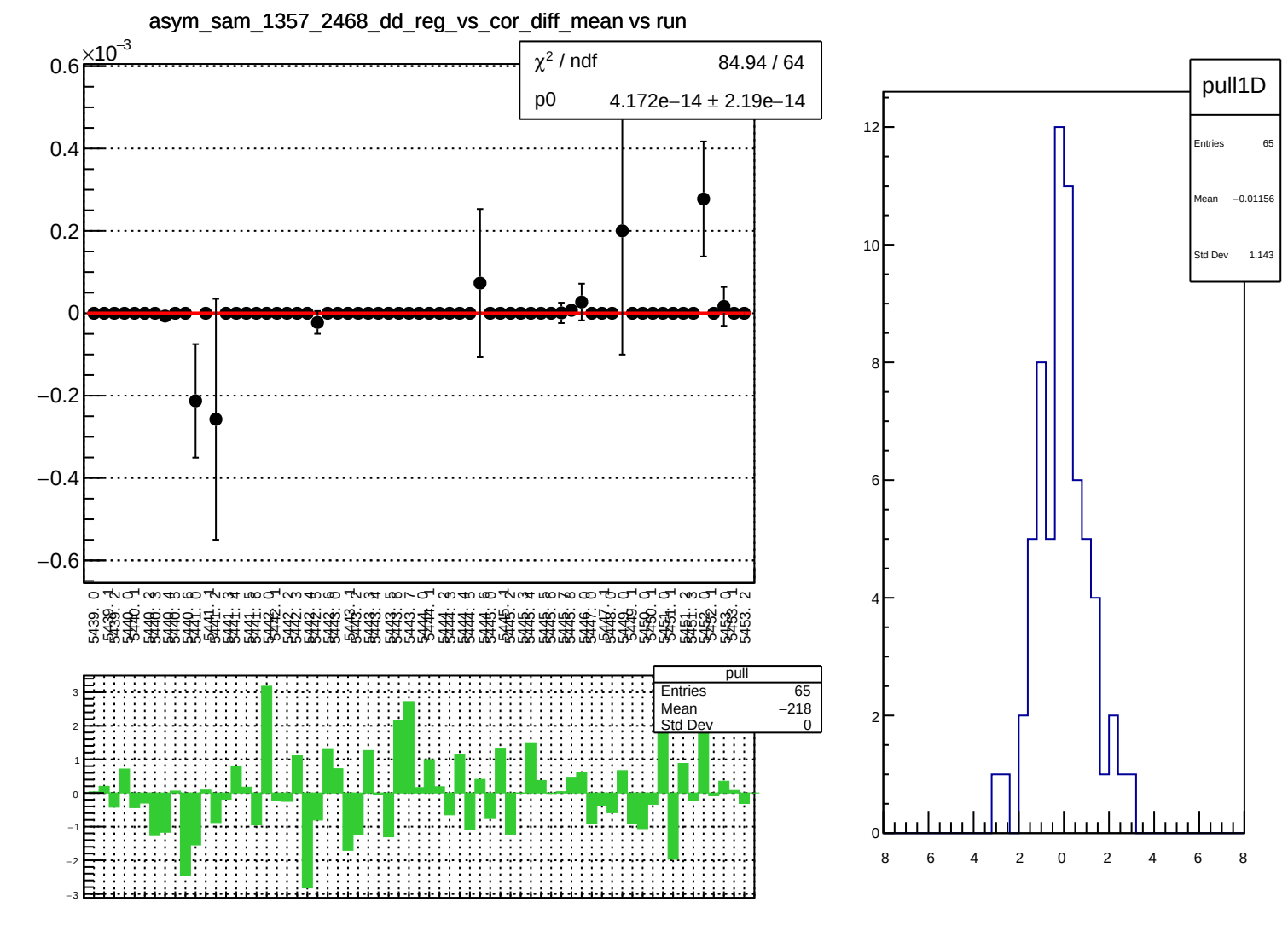

pull1D
Entries 65
Mean 0.03142
Std Dev 1.06

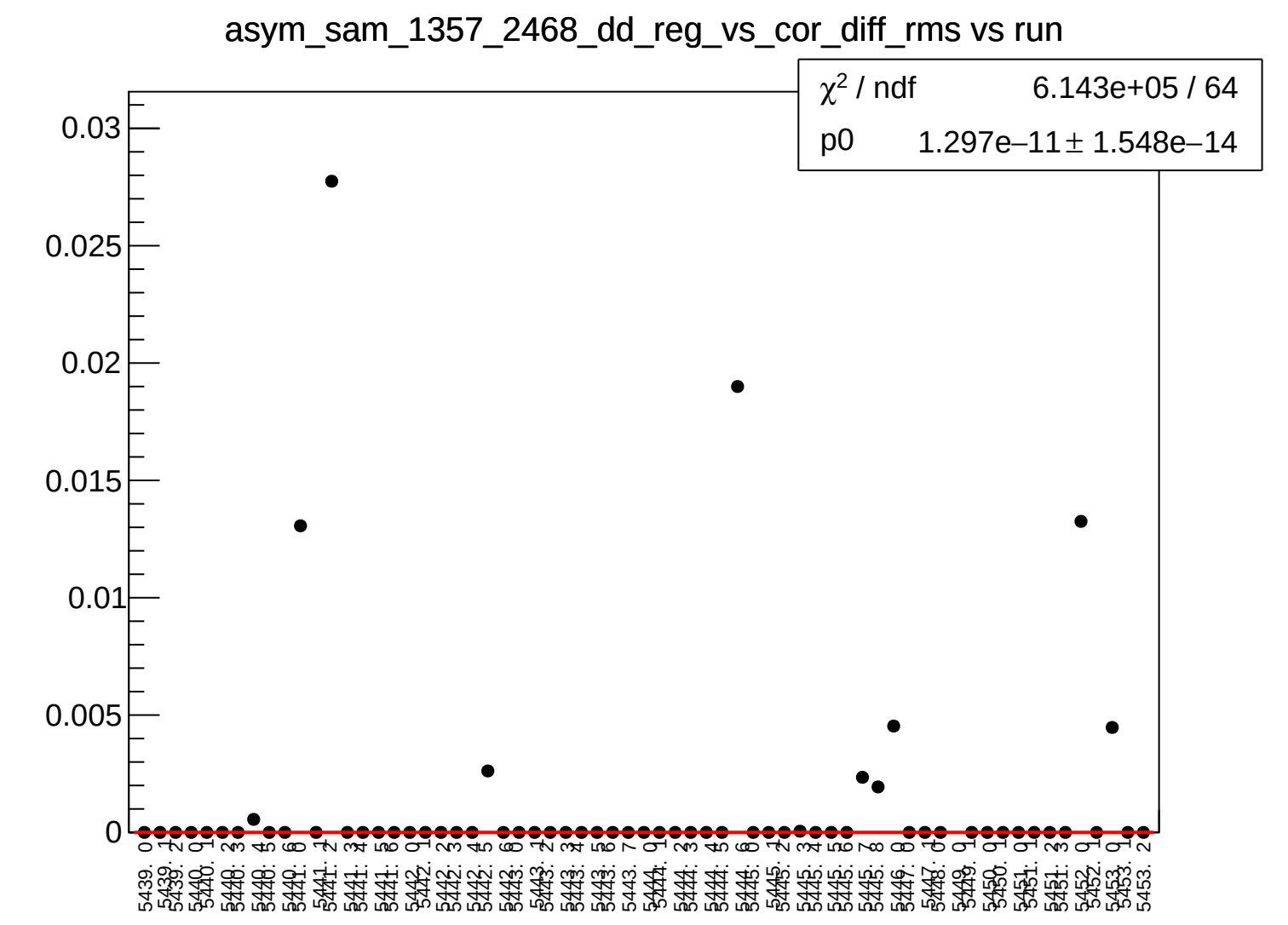

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3828 / 64
p0 477.7 ± 0.4171
540
520
500
480
460
440
420
400

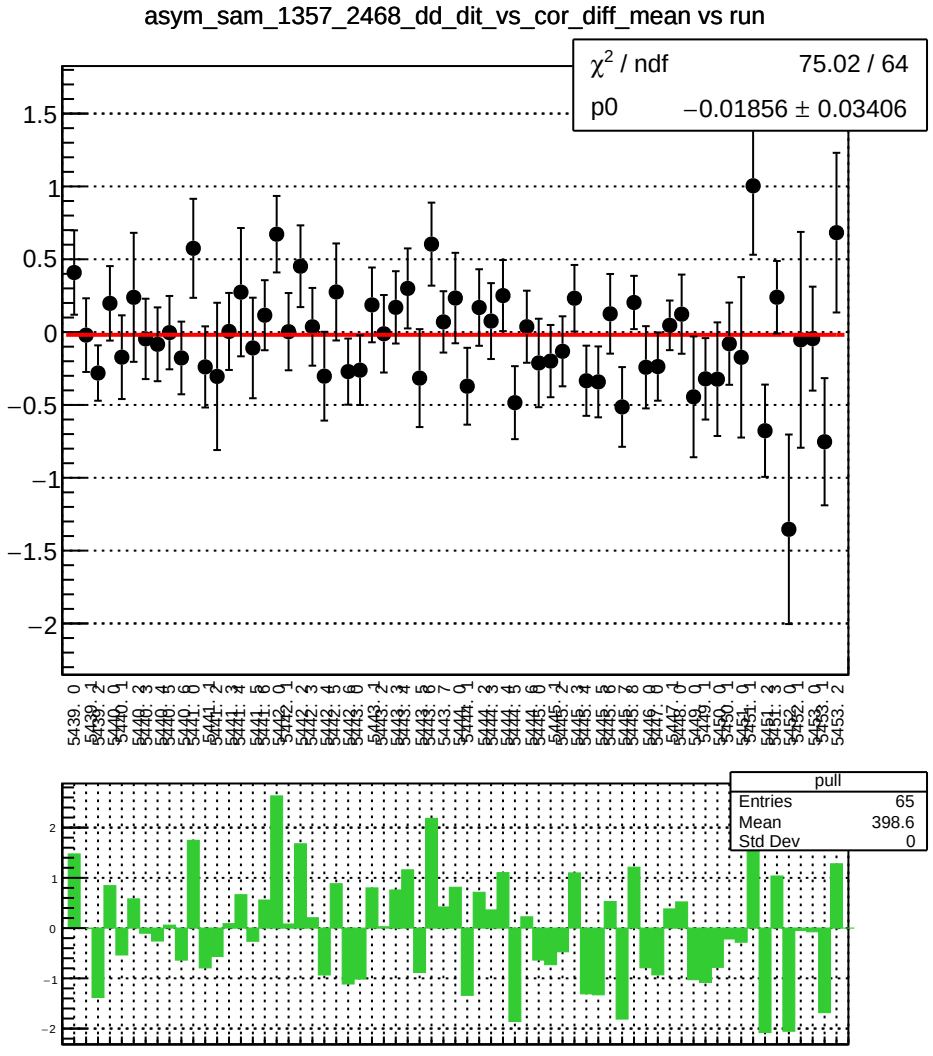

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 72.73 / 64
p0 −1109 ± 582.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean −69.04
Std Dev 0
2
1
0
−1
−2

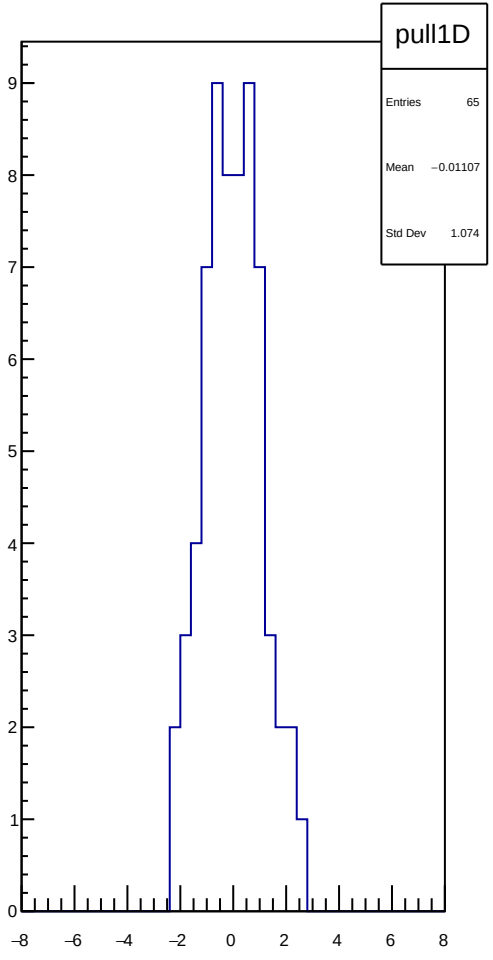

pull1D
Entries 65
Mean −0.02477
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

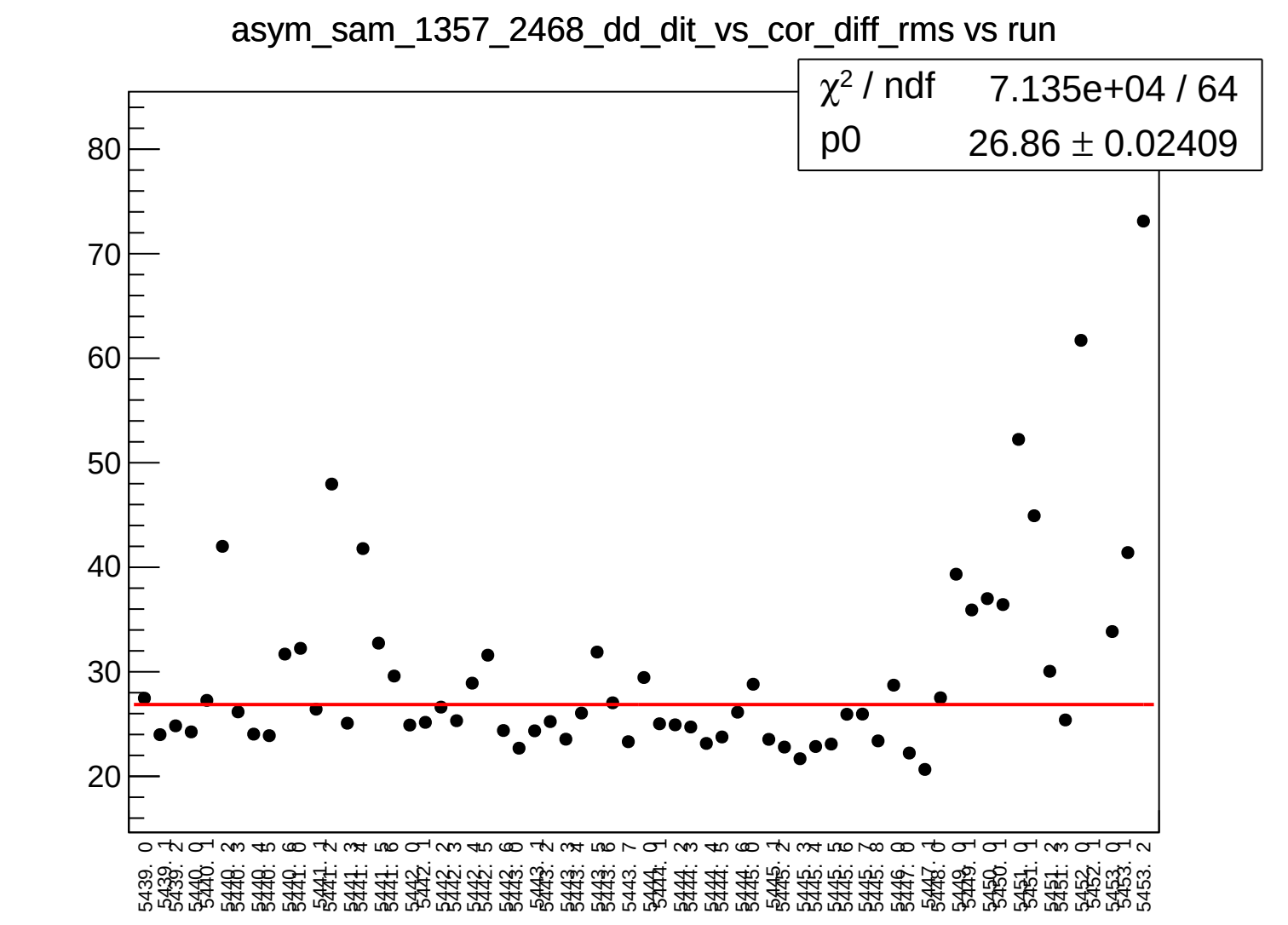

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5921 / 64
p0 471 ± 0.4116
600
550
500
450
400

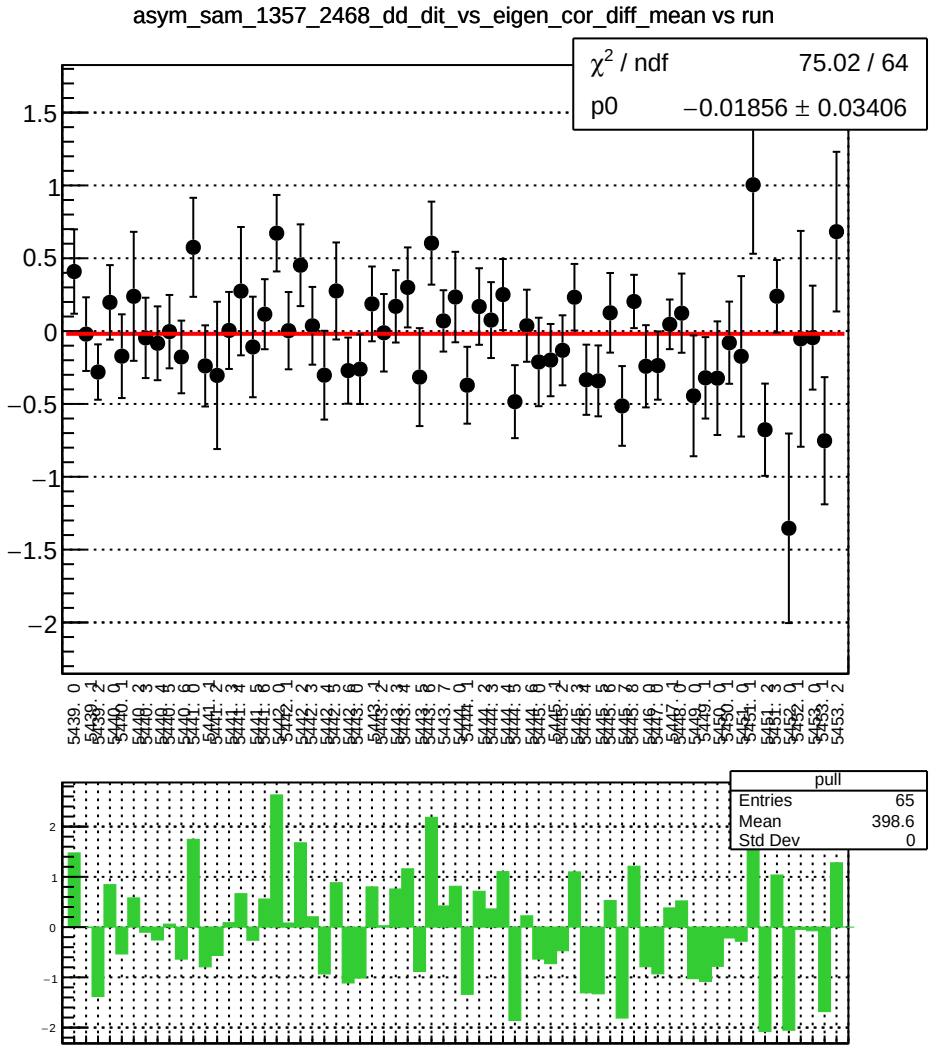

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 84.94 / 64
p0 4.172e−14 ± 2.19e−14
pull
Entries 65
Mean −218
Std Dev 0
pull1D
Entries 65
Mean −0.01156
Std Dev 1.143

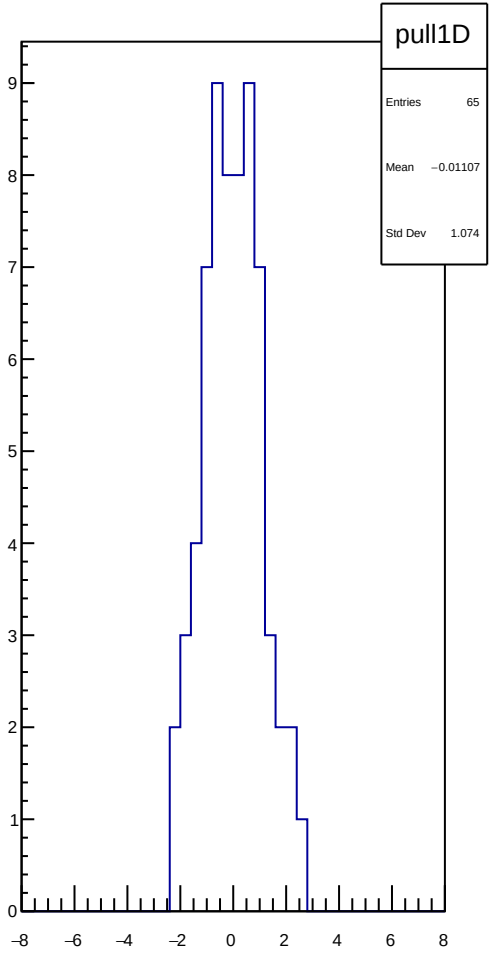

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.143e+05 / 64
p0 1.297e−11 ± 1.548e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

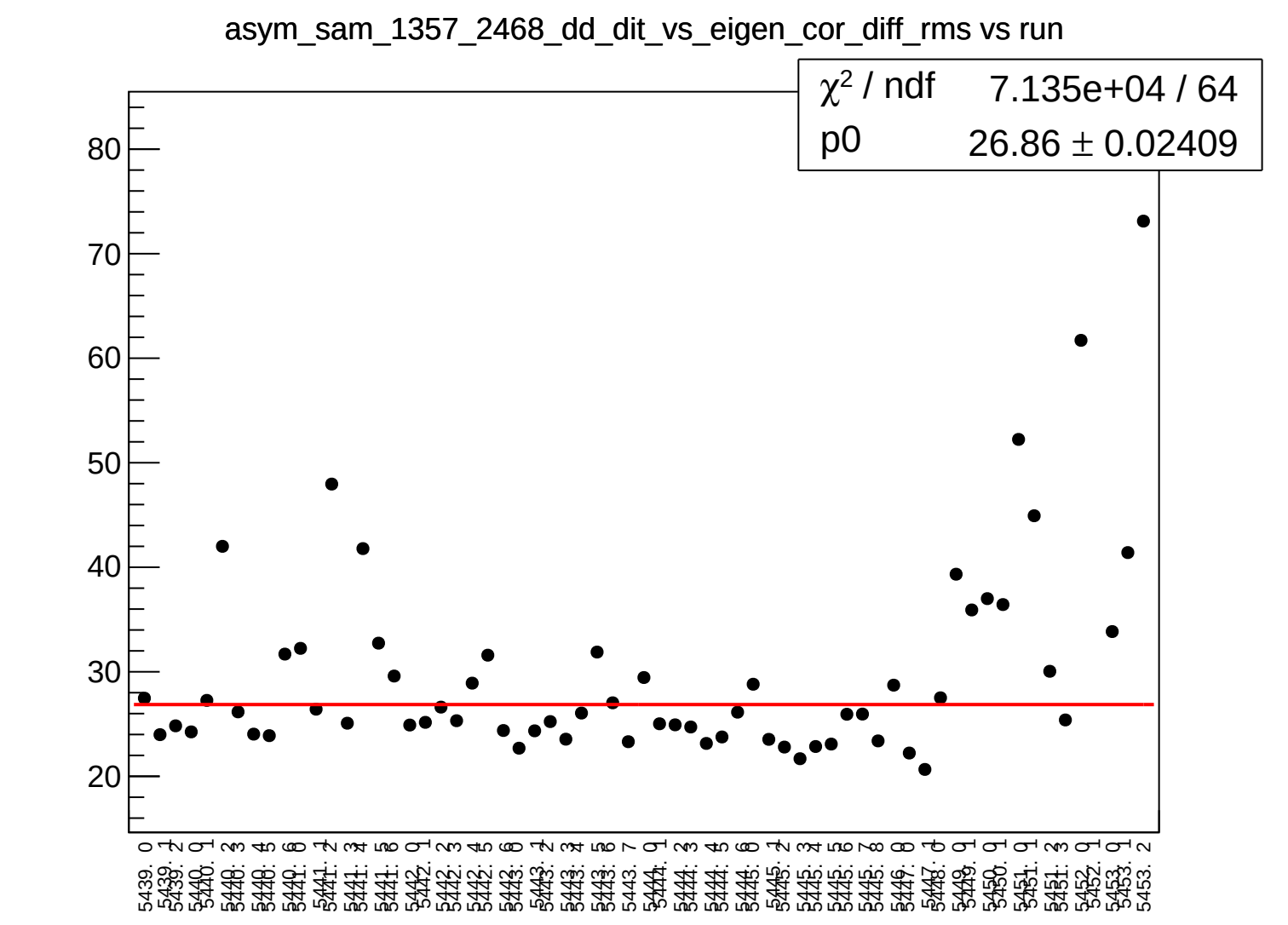

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.02 / 64
p0 −0.01856 ± 0.03406
pull
Entries 65
Mean 398.6
Std Dev 0

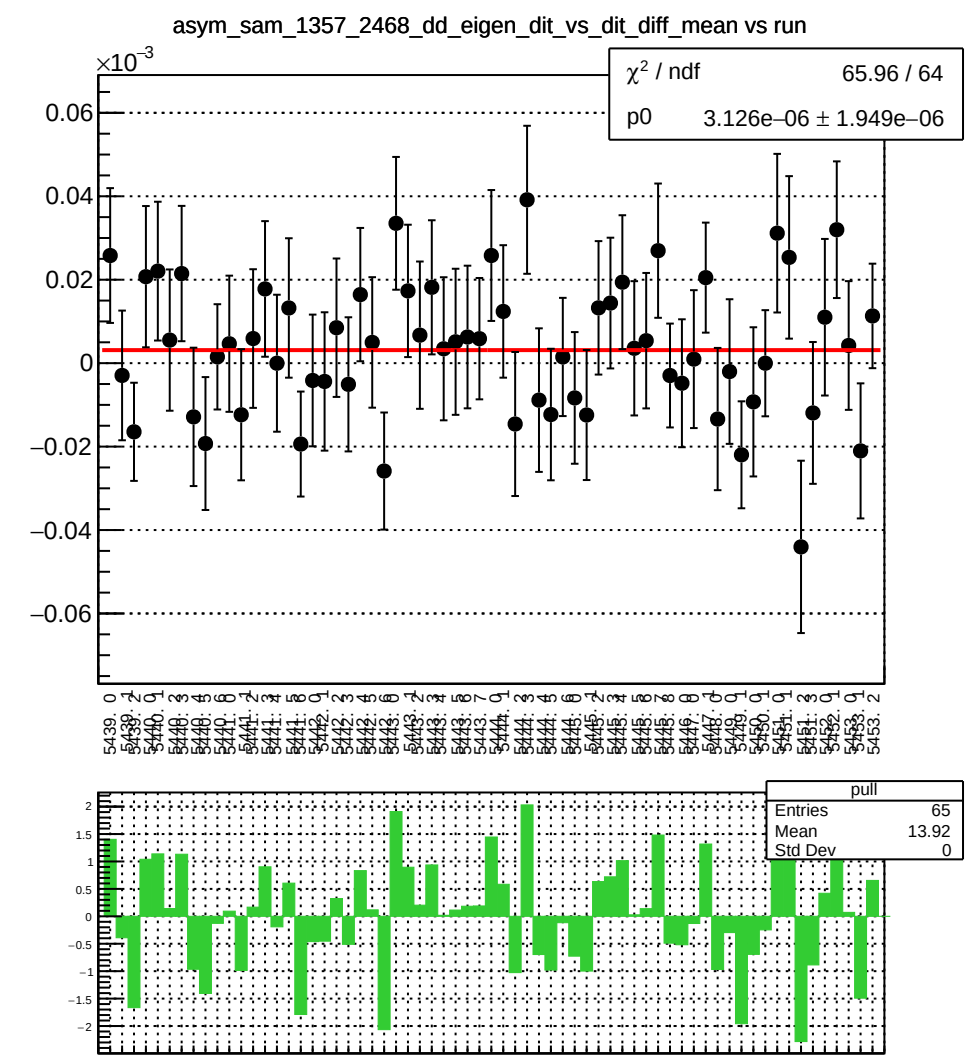

pull1D
Entries 65
Mean −0.01107
Std Dev 1.074

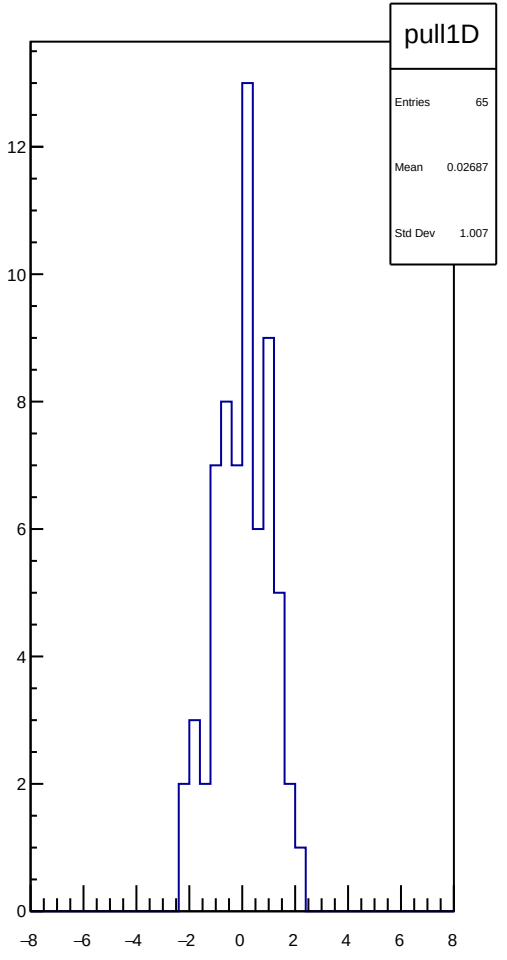

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.135e+04 / 64
p0 26.86 ± 0.02409
80
70
60
50
40
30
20

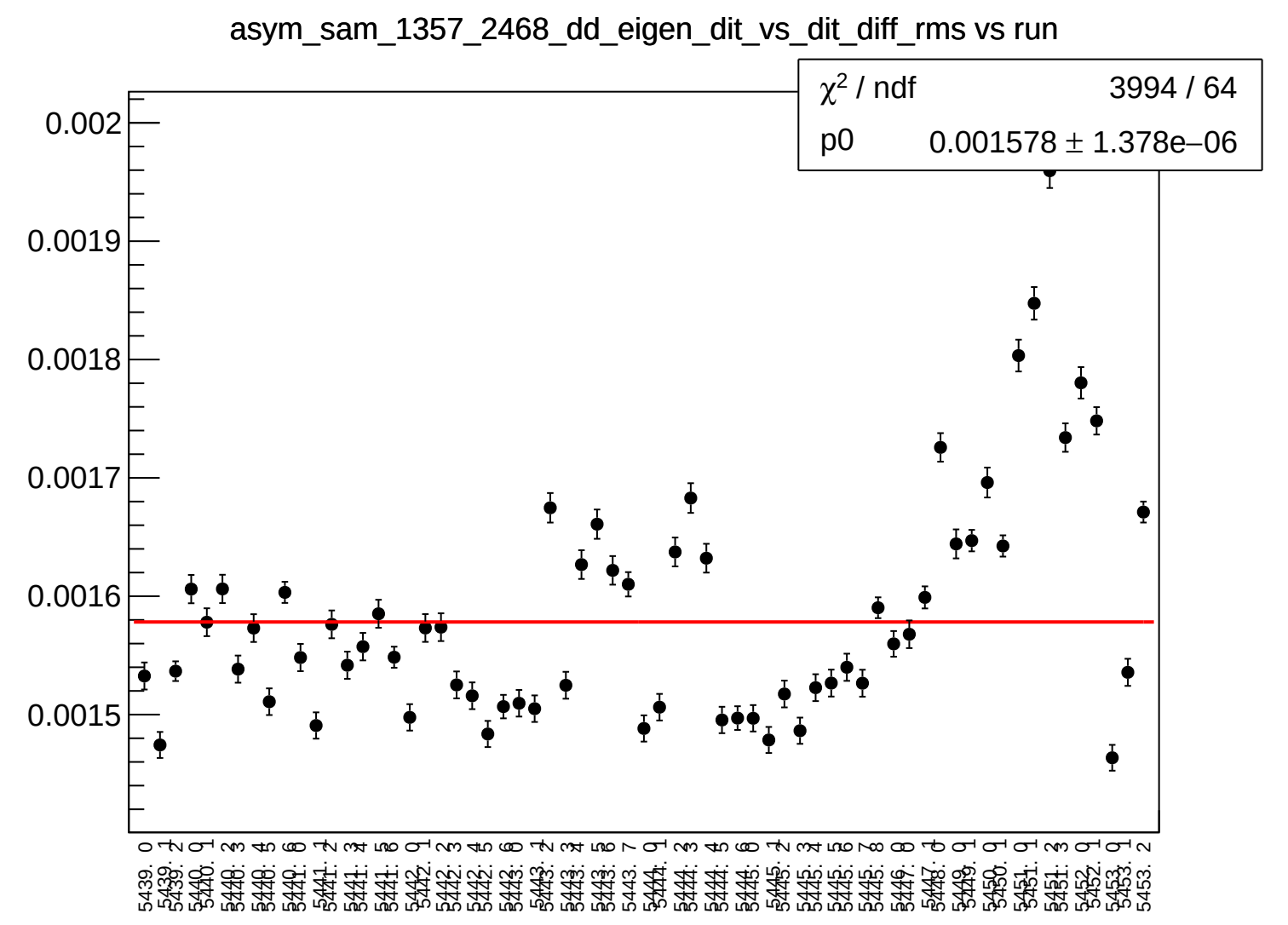

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.02 / 64
p0 −0.01856 ± 0.03406
pull
Entries 65
Mean 398.6
Std Dev 0

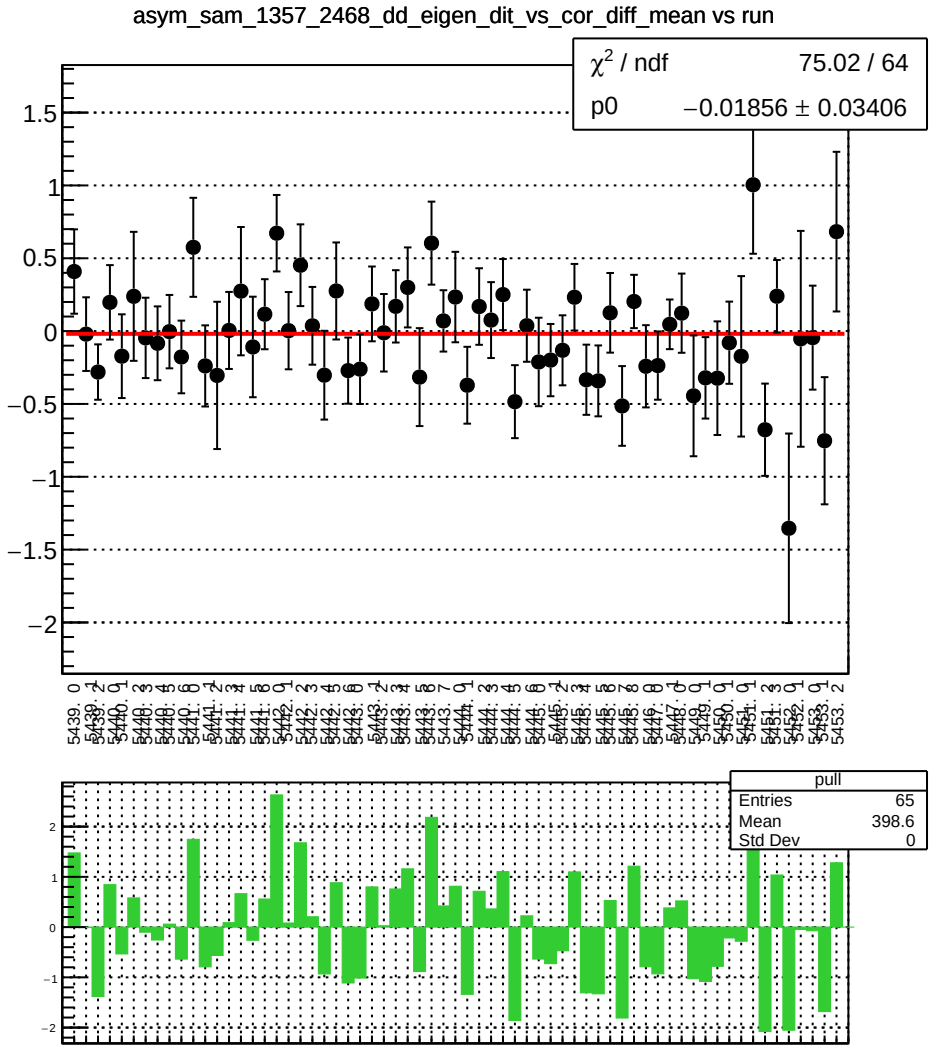

pull1D
Entries 65
Mean −0.01107
Std Dev 1.074

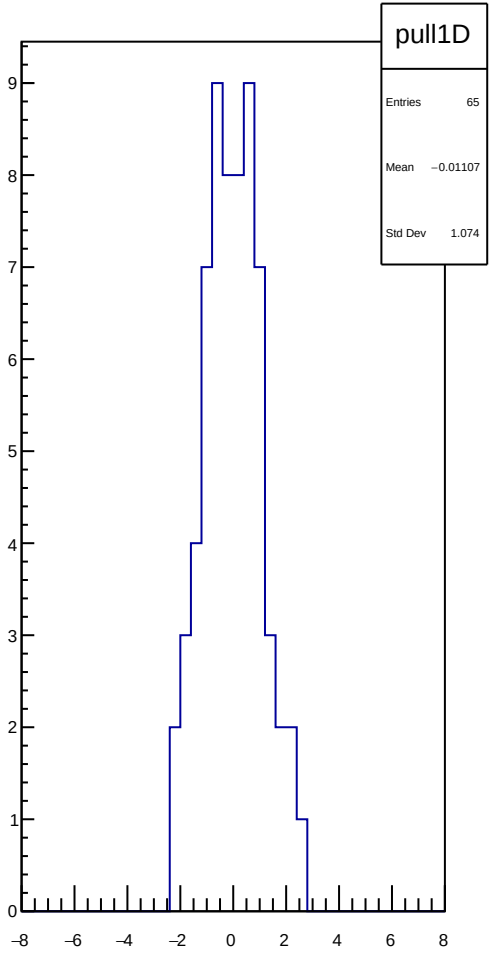

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.135e+04 / 64
p0 26.86 ± 0.02409
80
70
60
50
40
30
20

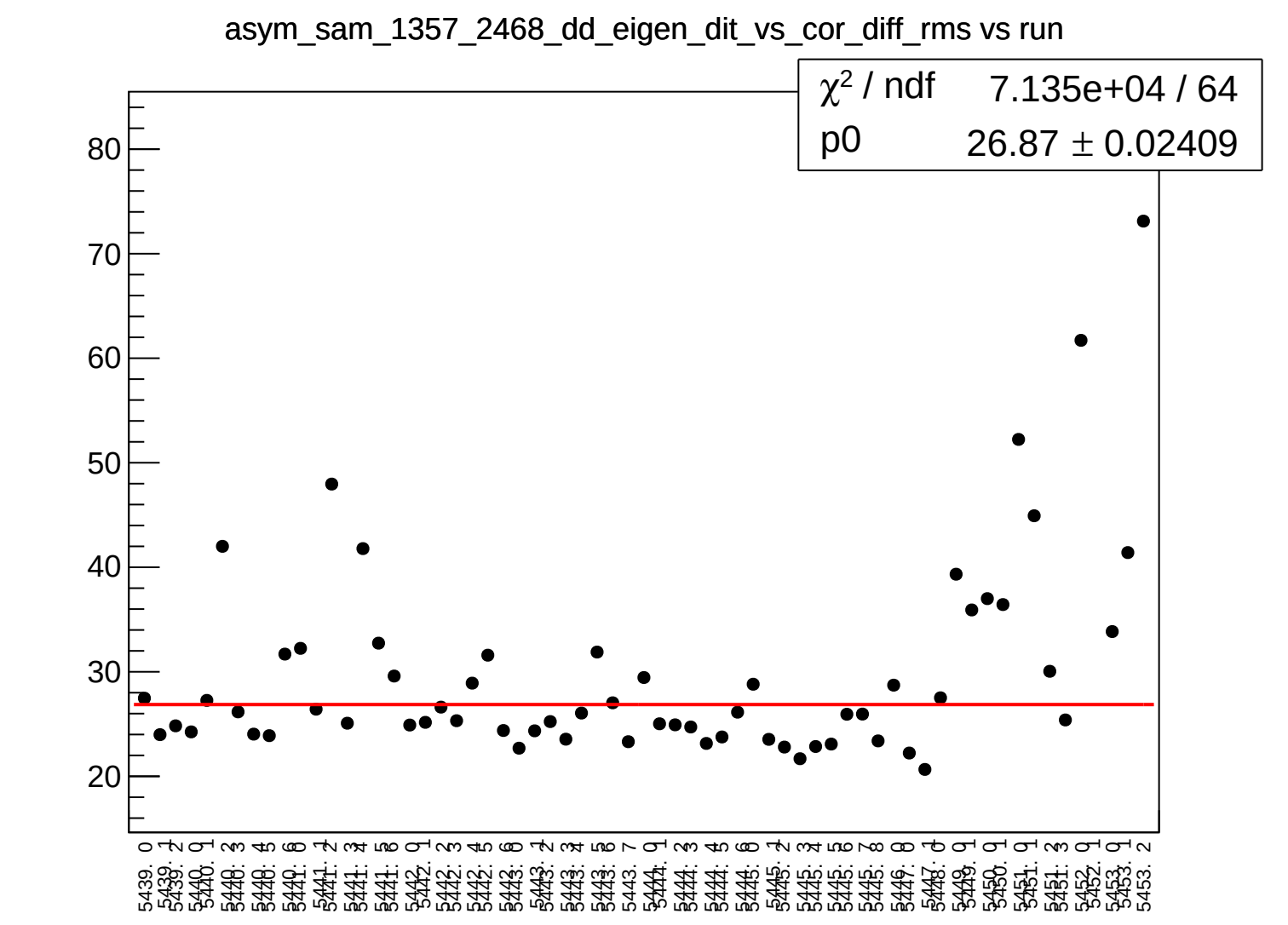

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.96 / 64
p0 3.126e−06 ± 1.949e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 65
Mean 13.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

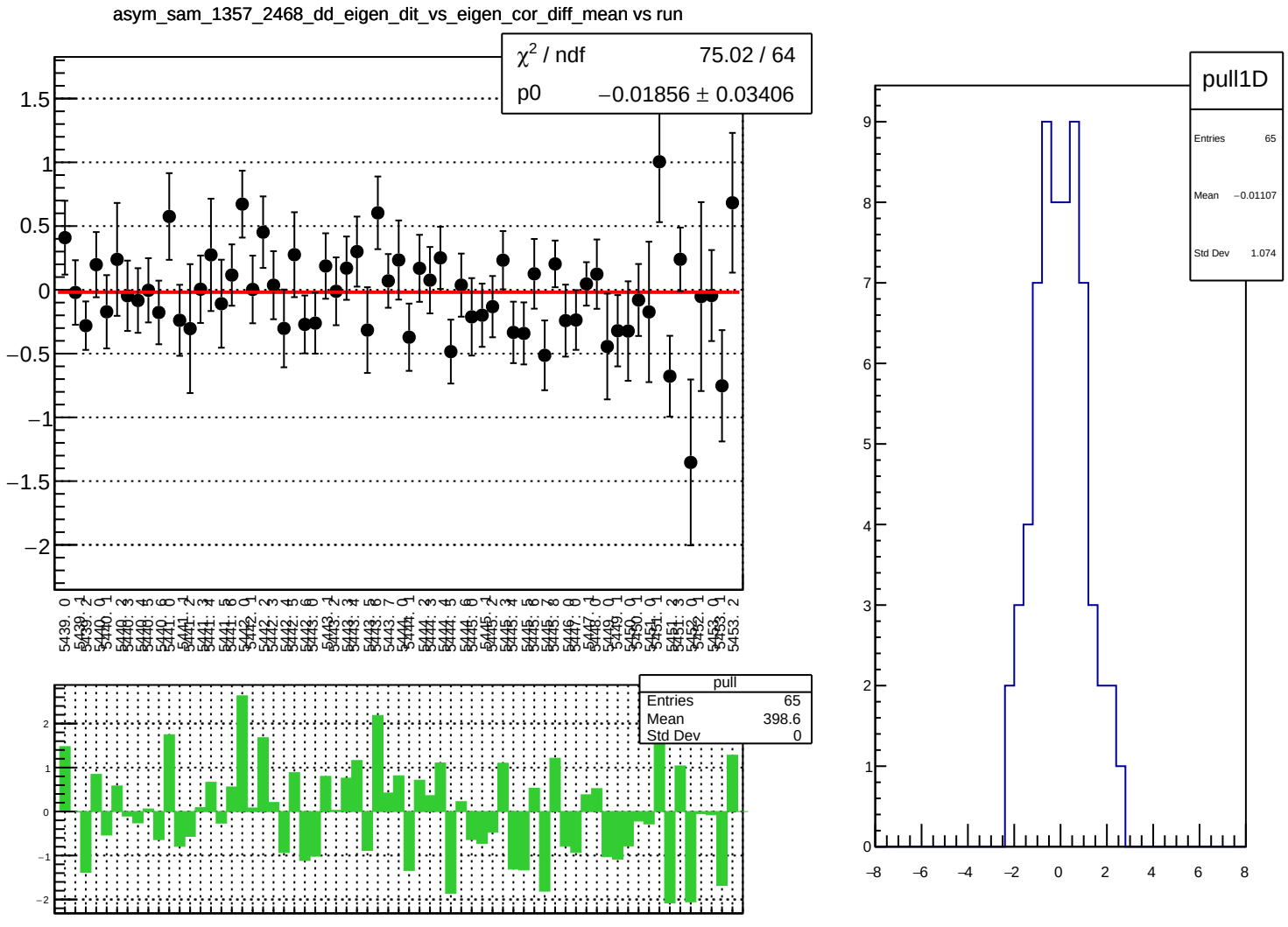

pull1D
Entries 65
Mean 0.02687
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

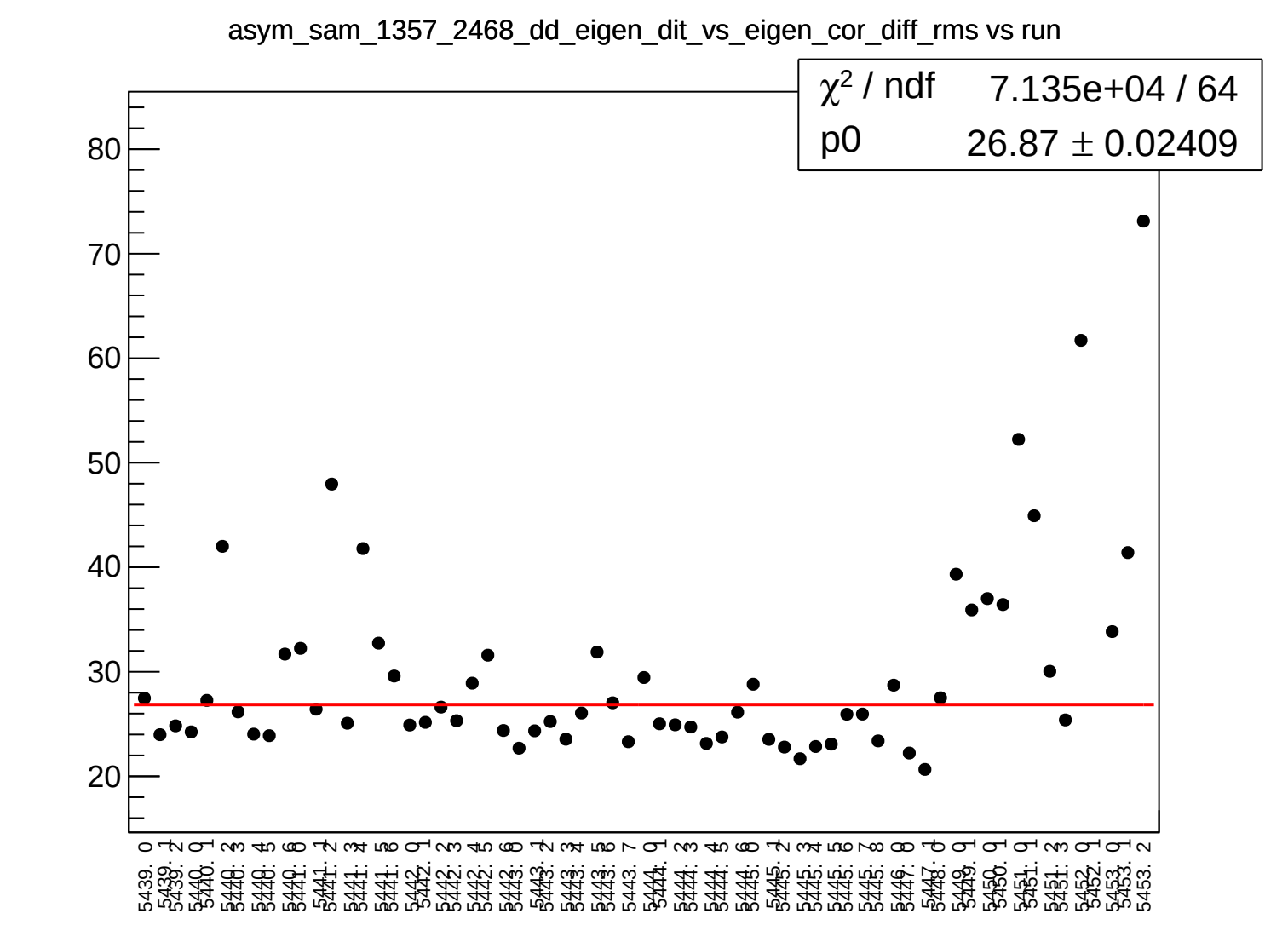

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3994 / 64
p0 0.001578 ± 1.378e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

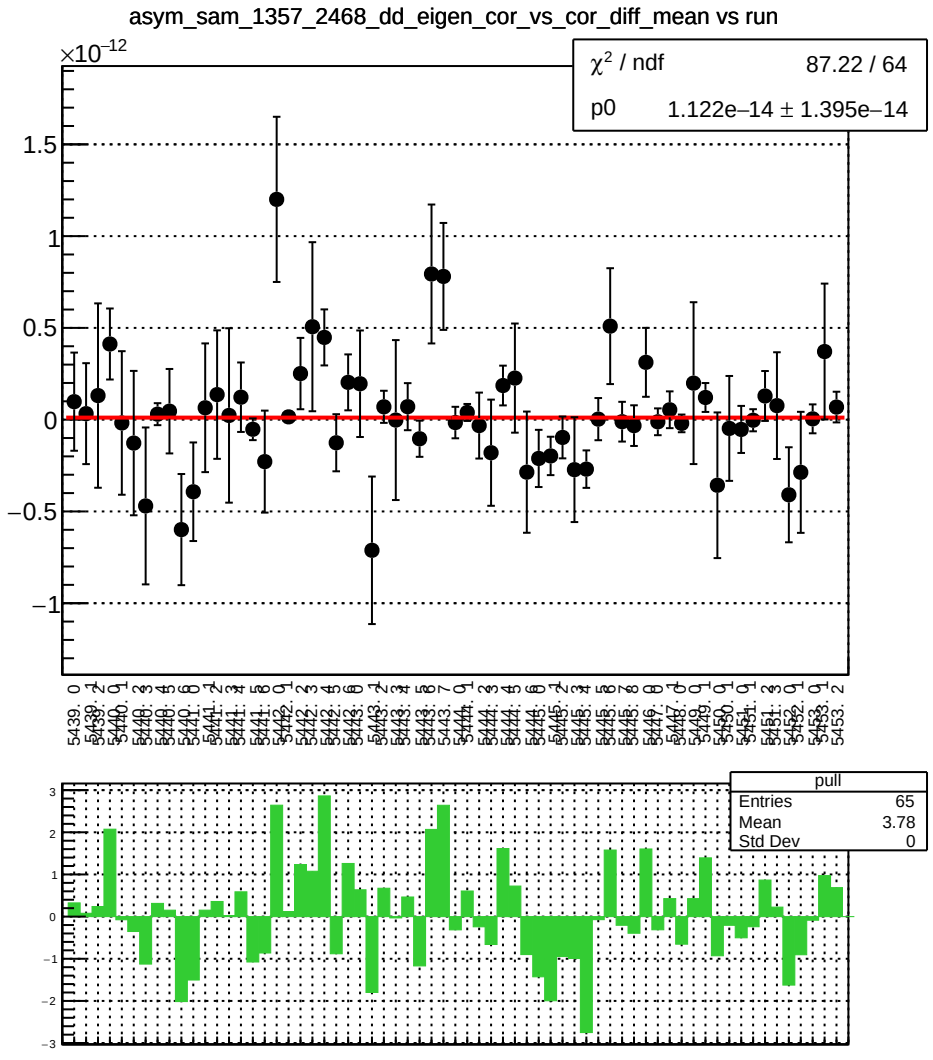

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.02 / 64
p0 −0.01856 ± 0.03406
pull
Entries 65
Mean 398.6
Std Dev 0

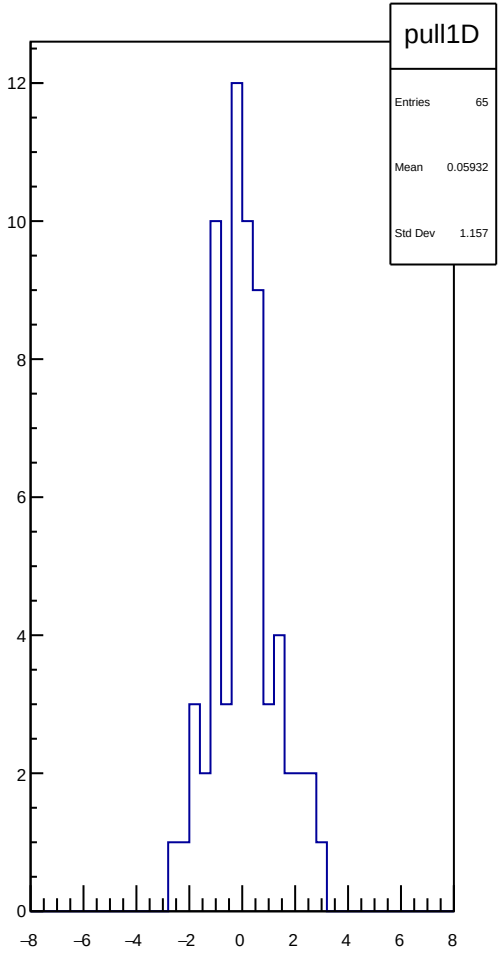

pull1D
Entries 65
Mean −0.01107
Std Dev 1.074

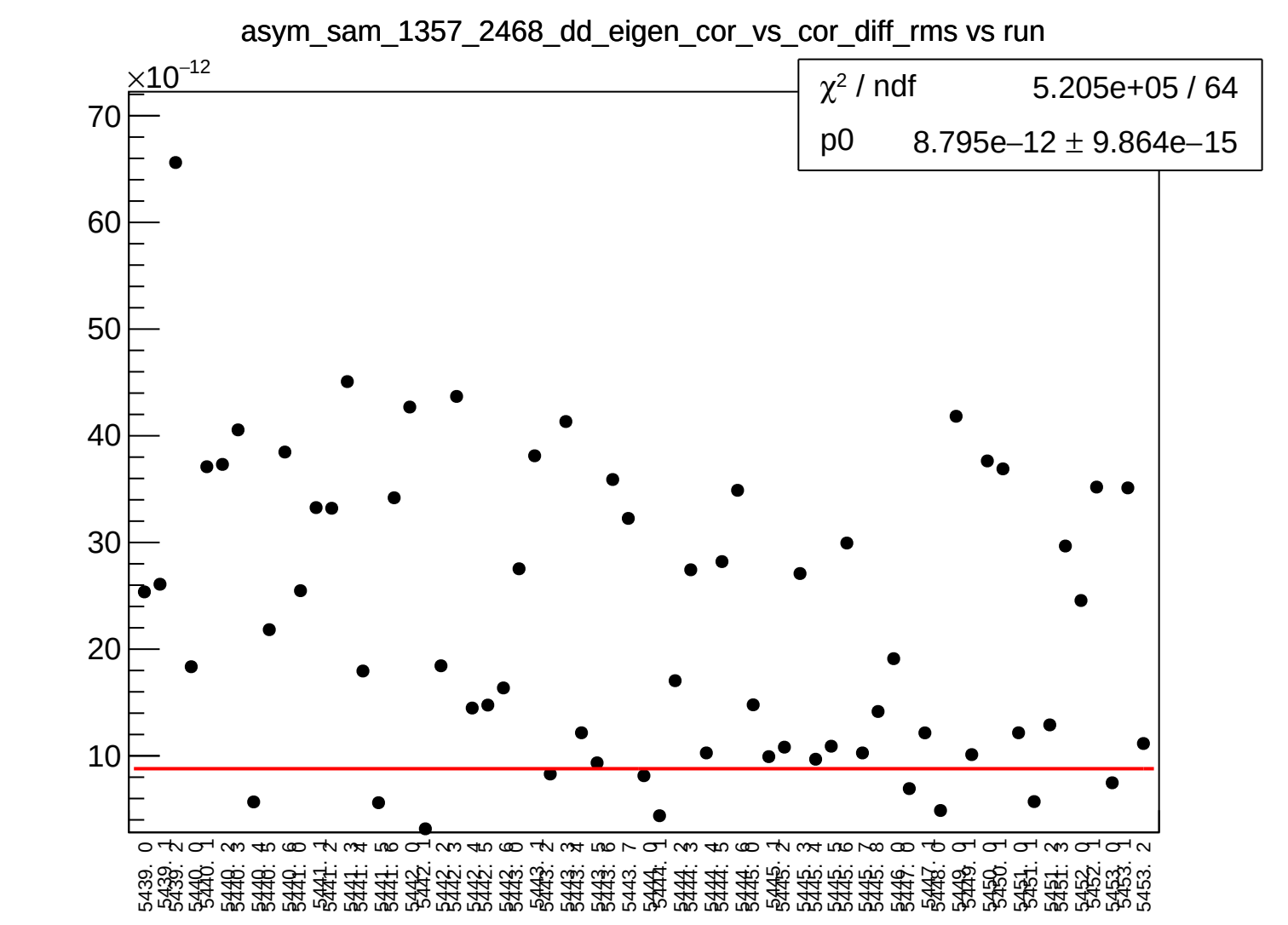

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.135e+04 / 64
p0 26.87 ± 0.02409
80
70
60
50
40
30
20

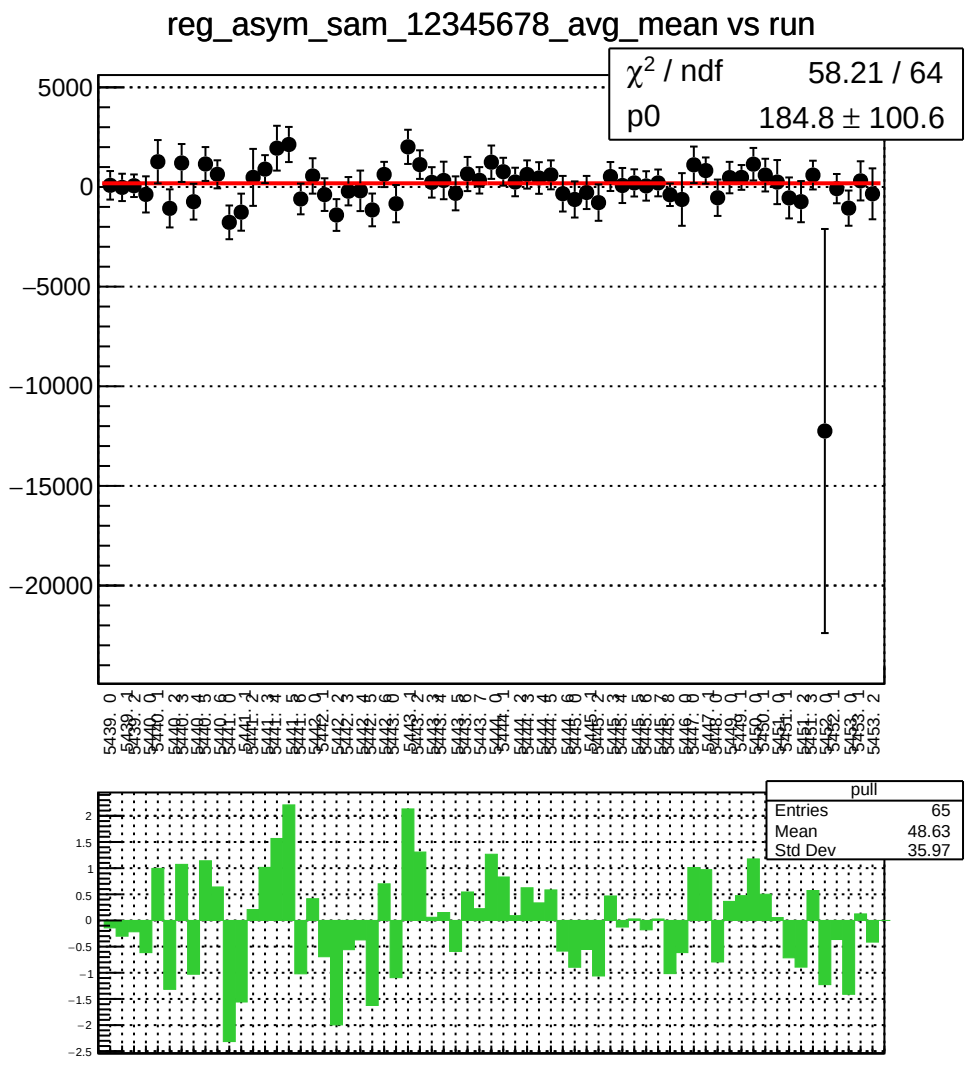

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.02 / 64
p0 −0.01856 ± 0.03406
pull
Entries 65
Mean 398.6
Std Dev 0
pull1D
Entries 65
Mean −0.01107
Std Dev 1.074

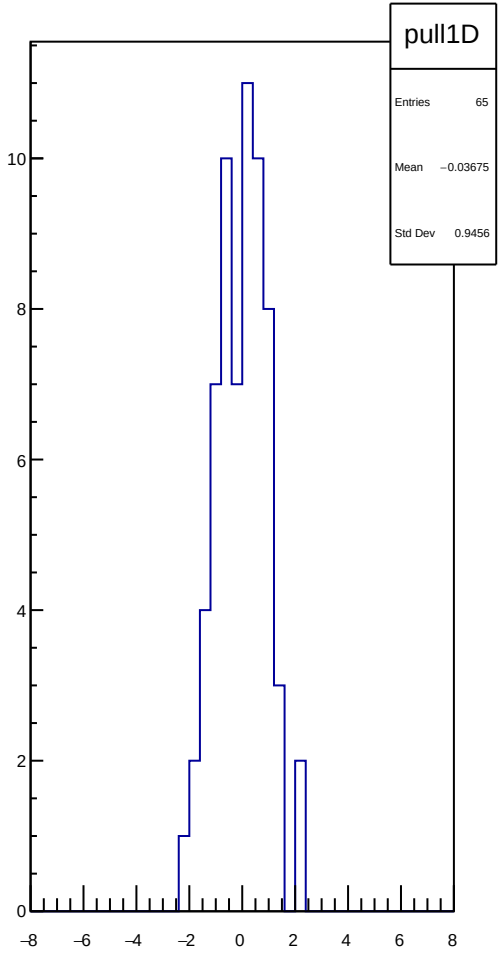

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.135e+04 / 64
p0 26.87 ± 0.02409
80
70
60
50
40
30
20

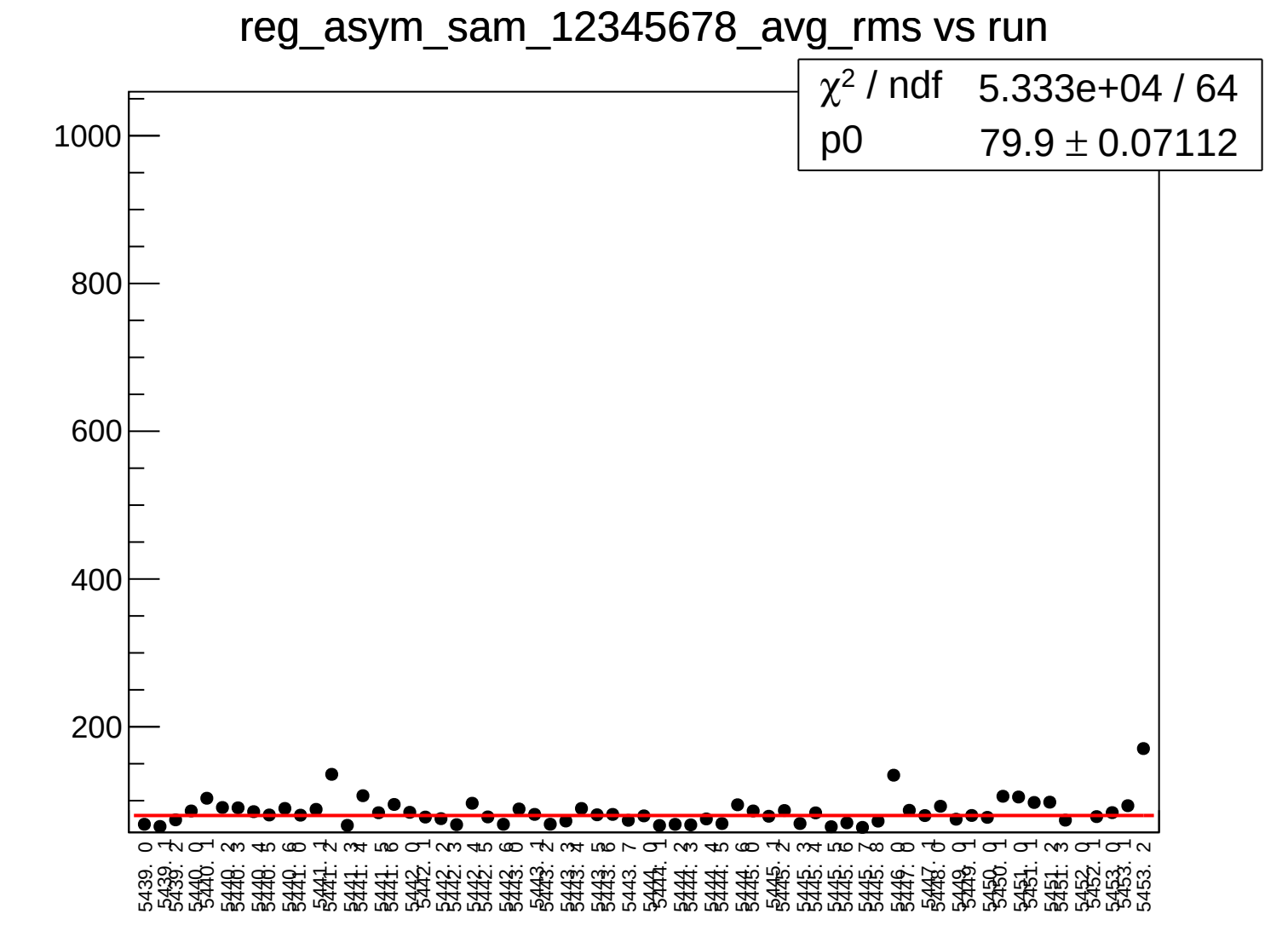

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.22 / 64
p0 1.122e−14 ± 1.395e−14
pull
Entries 65
Mean 3.78
Std Dev 0

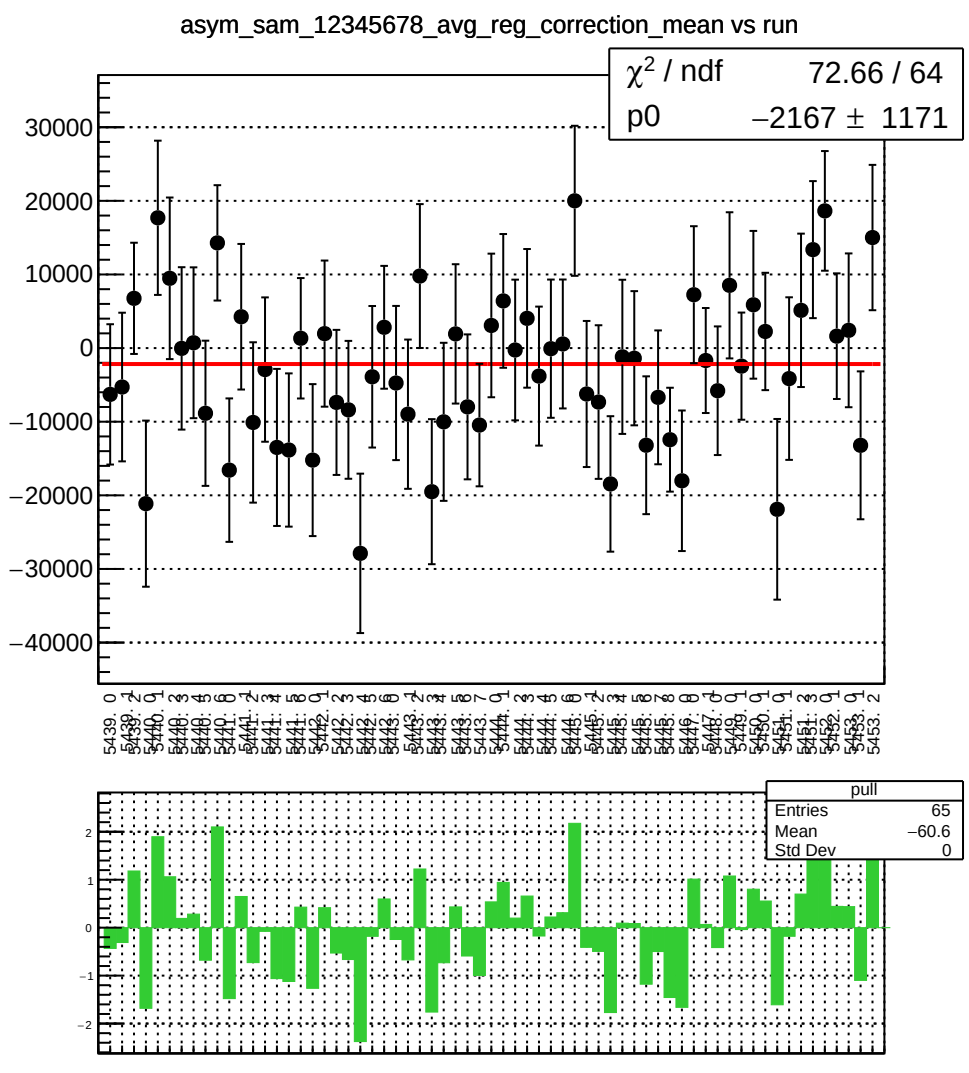

pull1D
Entries 65
Mean 0.05932
Std Dev 1.157

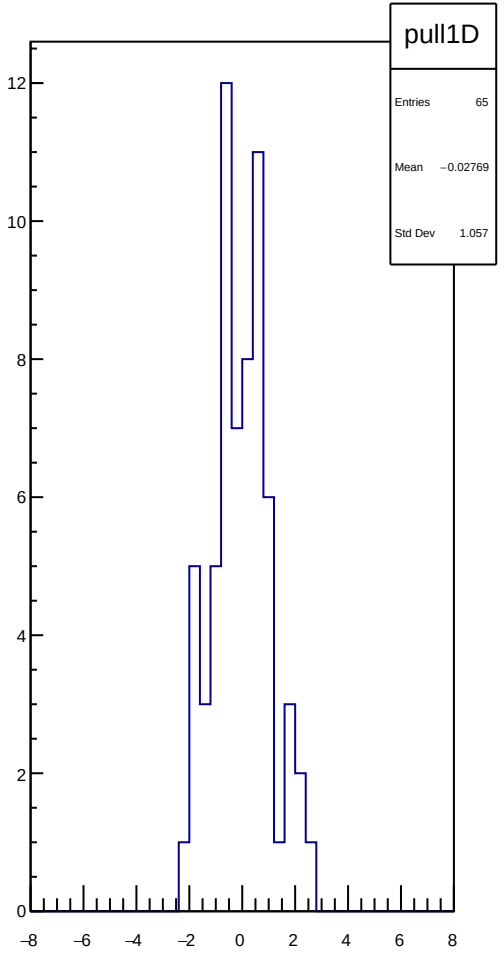

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.205e+05 / 64
p0 8.795e−12 ± 9.864e−15
70
60
50
40
30
20
10

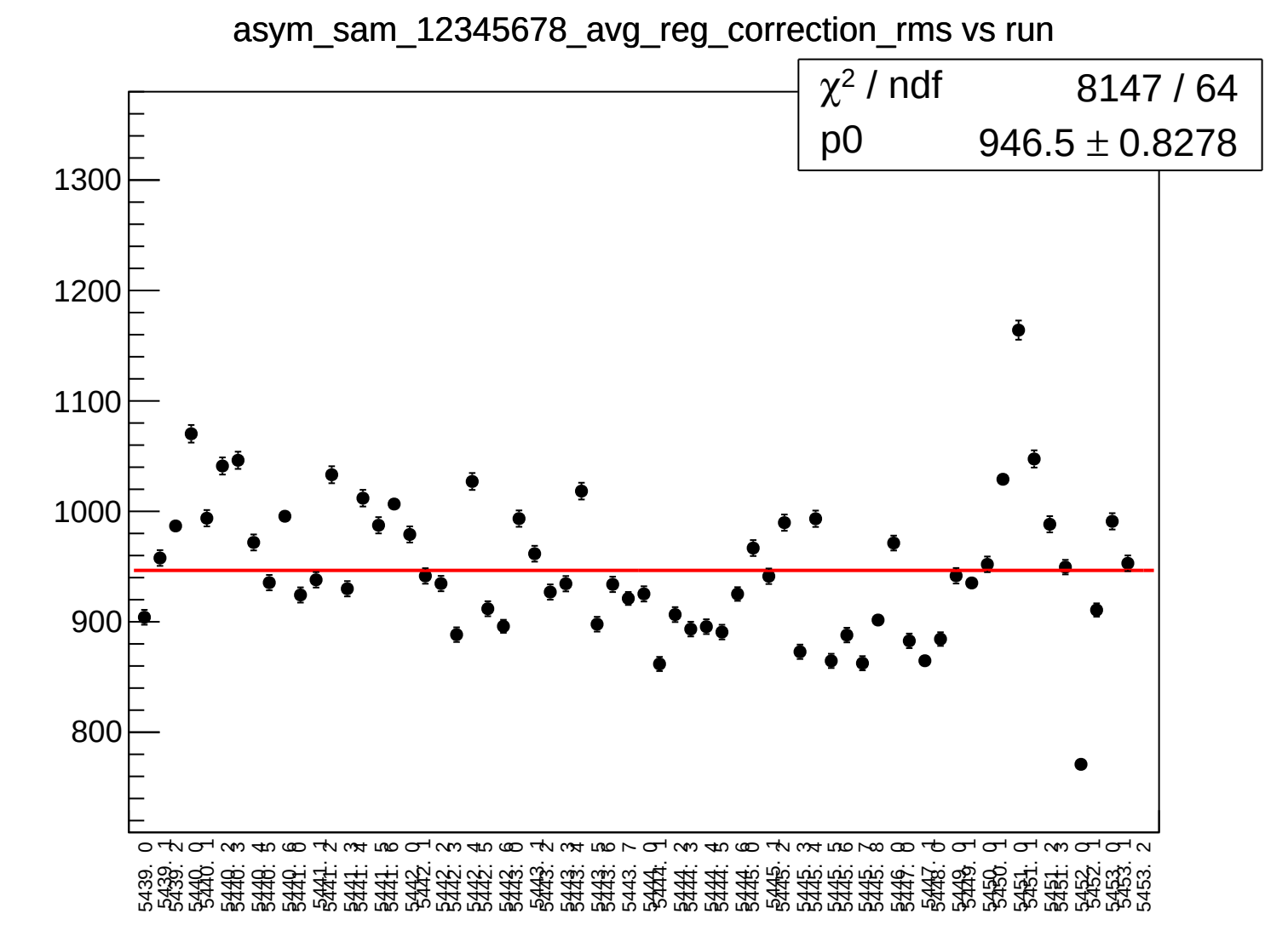

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 58.21 / 64
p0 184.8 ± 100.6
pull
Entries 65
Mean 48.63
Std Dev 35.97

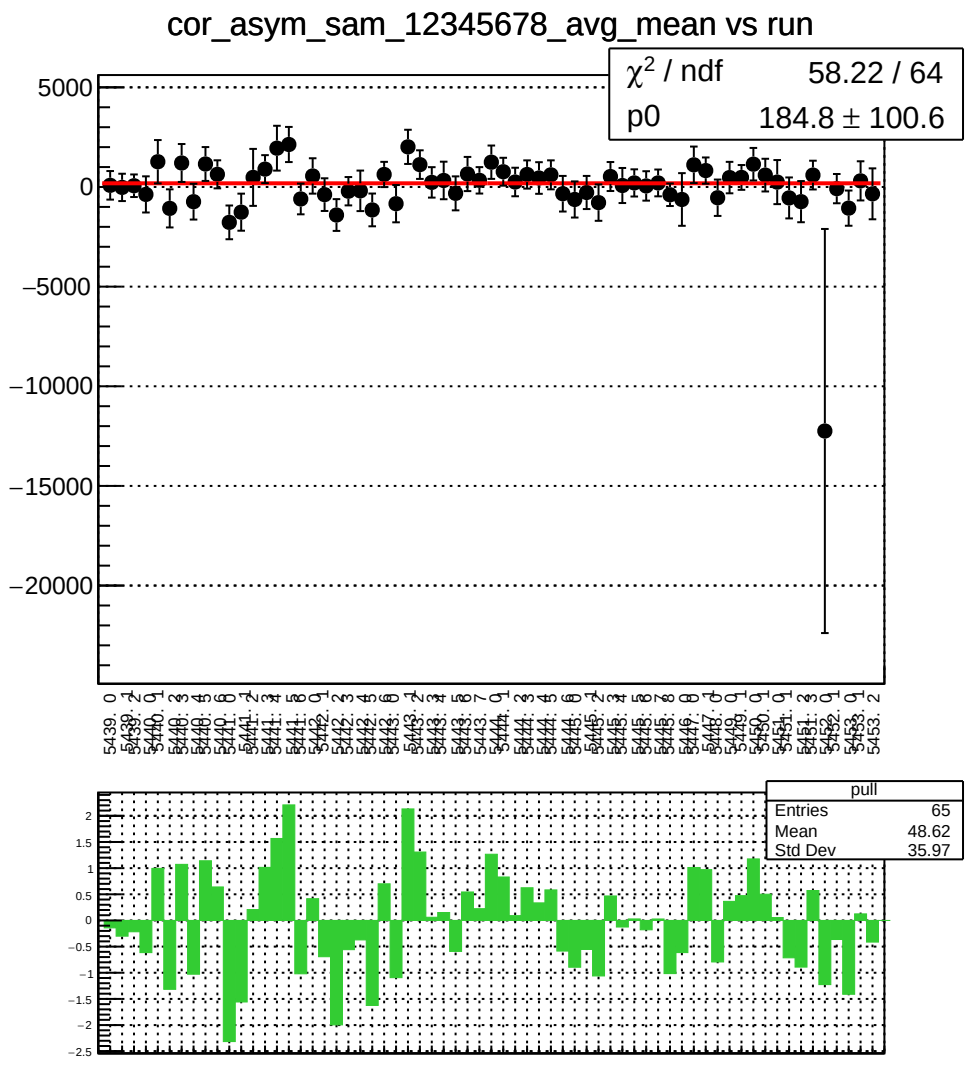

pull1D
Entries 65
Mean −0.03675
Std Dev 0.9456

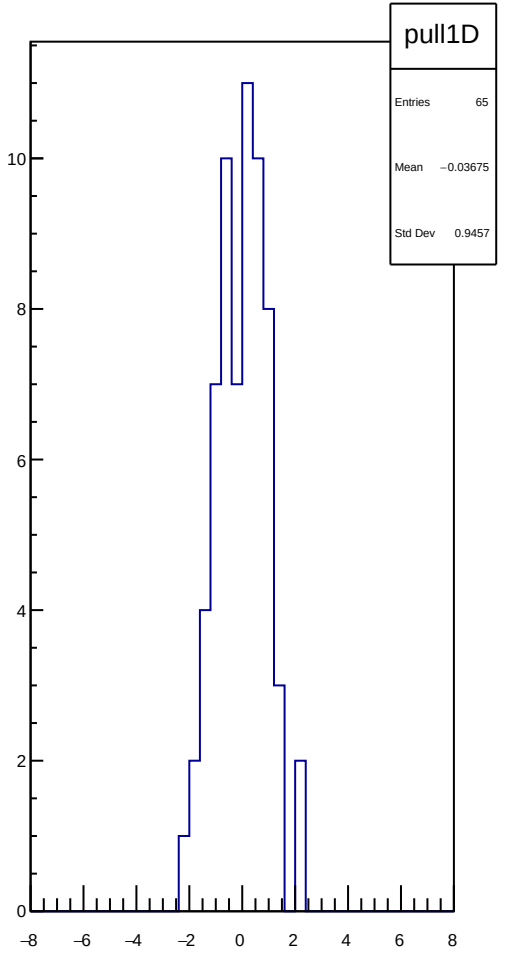

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 5.333e+04 / 64
p0 79.9 ± 0.07112
1000
800
600
400
200

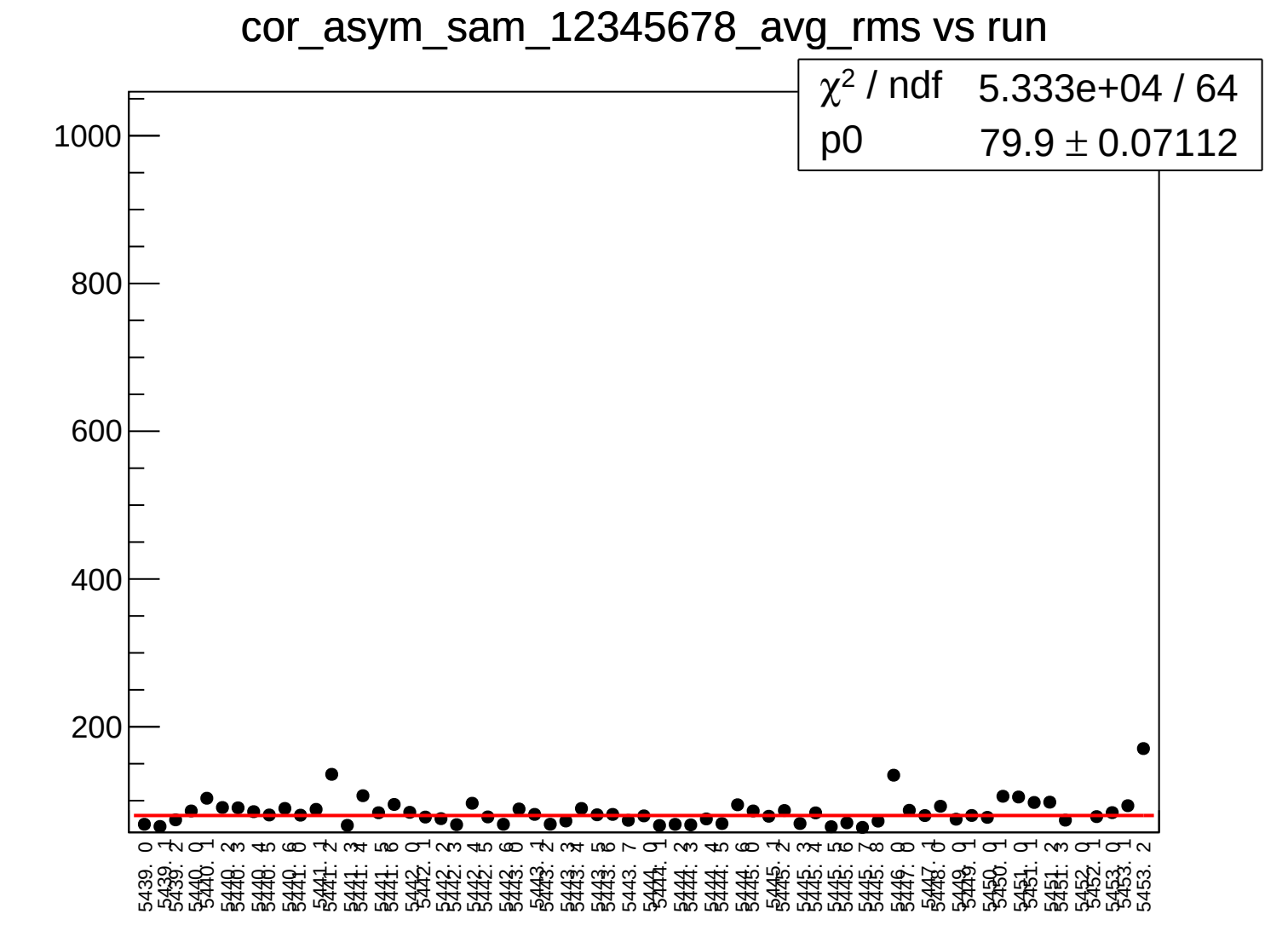

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 72.66 / 64
p0 −2167 ± 1171
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 65
Mean −60.6
Std Dev 0
2
1
0
−1
−2

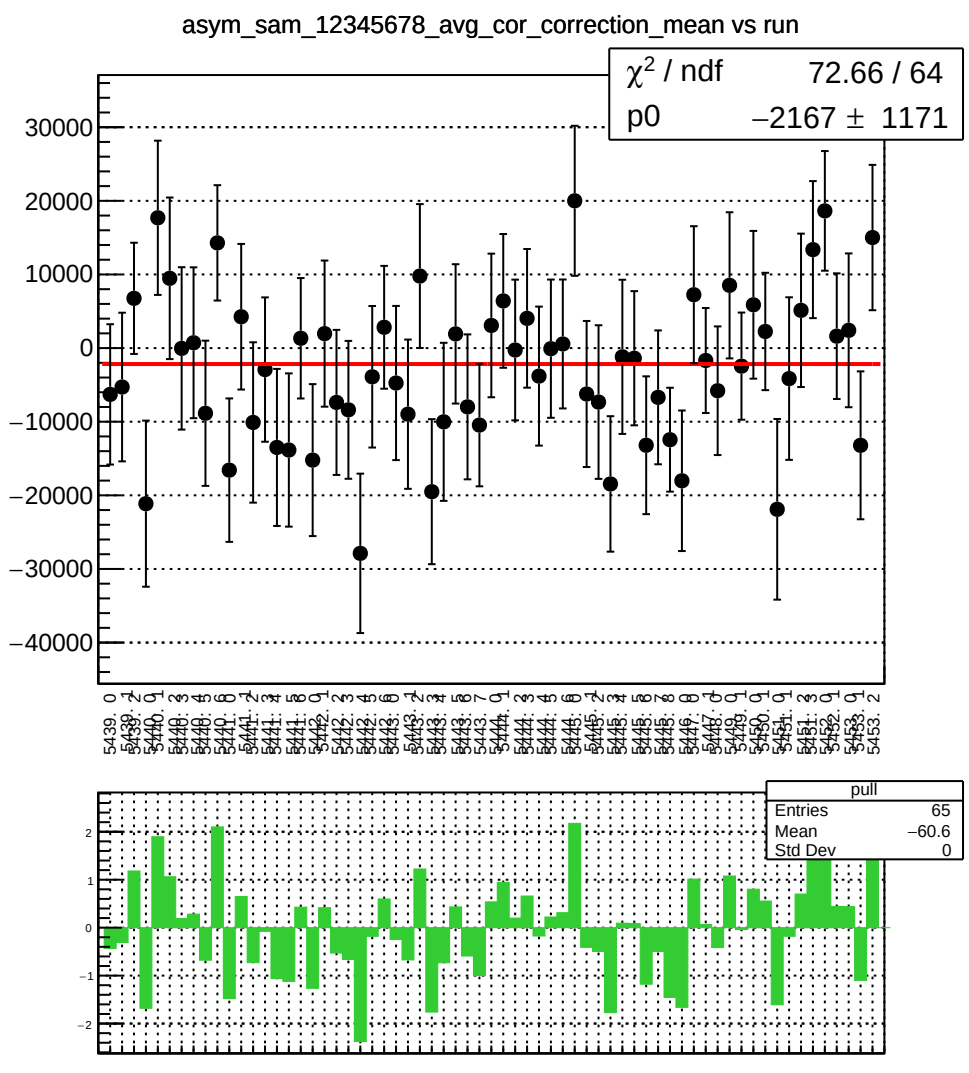

pull1D
Entries 65
Mean −0.02769
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

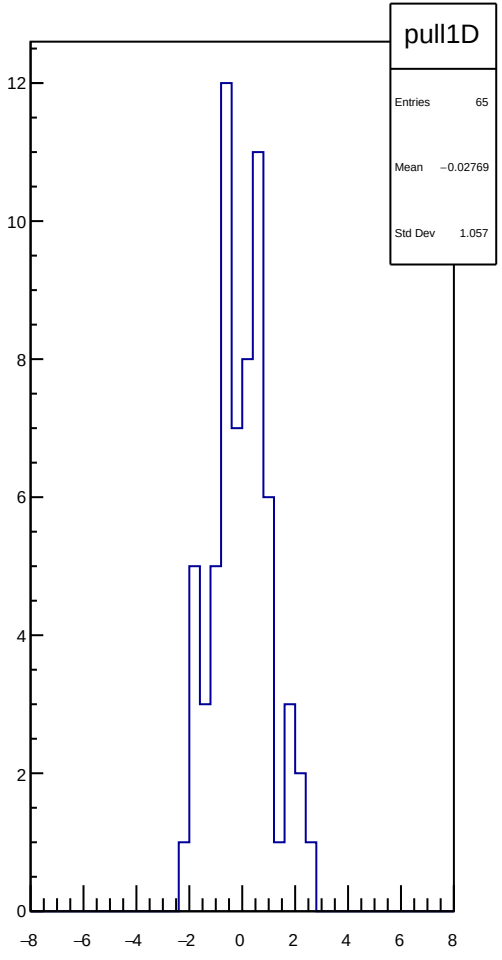

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 8147 / 64
p0 946.5 ± 0.8278
1300
1200
1100
1000
900
800

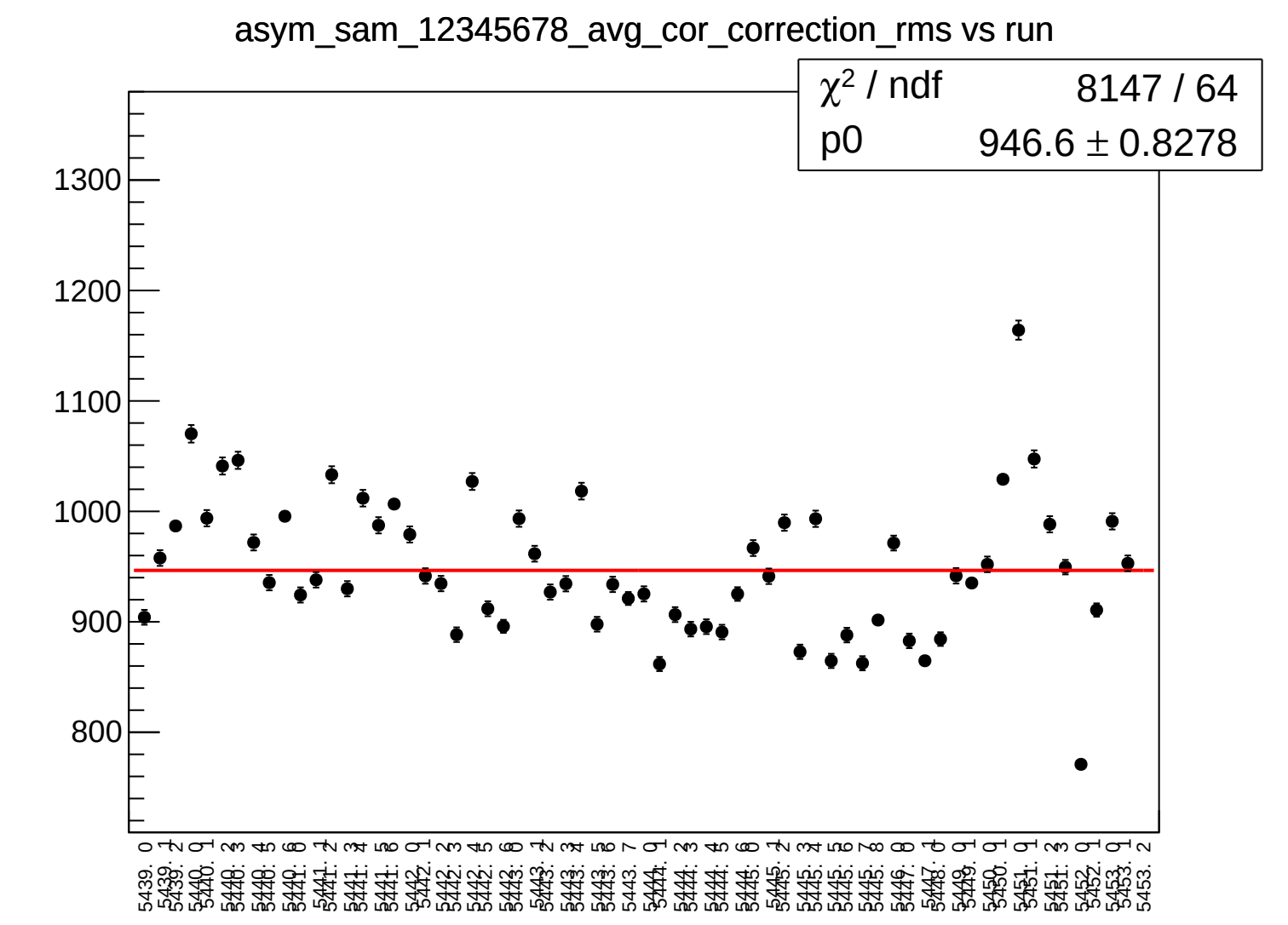

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 58.22 / 64
p0 184.8 ± 100.6
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean 48.62
Std Dev 35.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

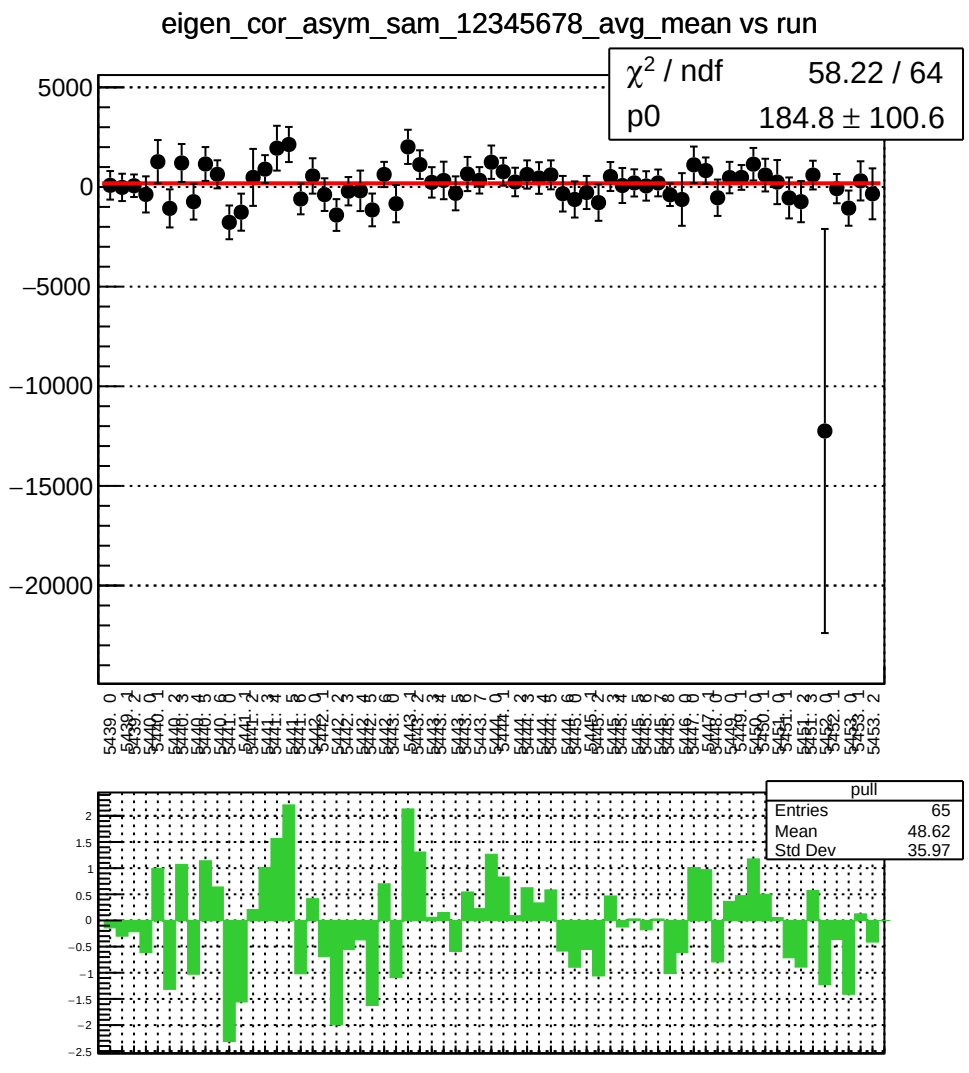

pull1D
Entries 65
Mean −0.03675
Std Dev 0.9457
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

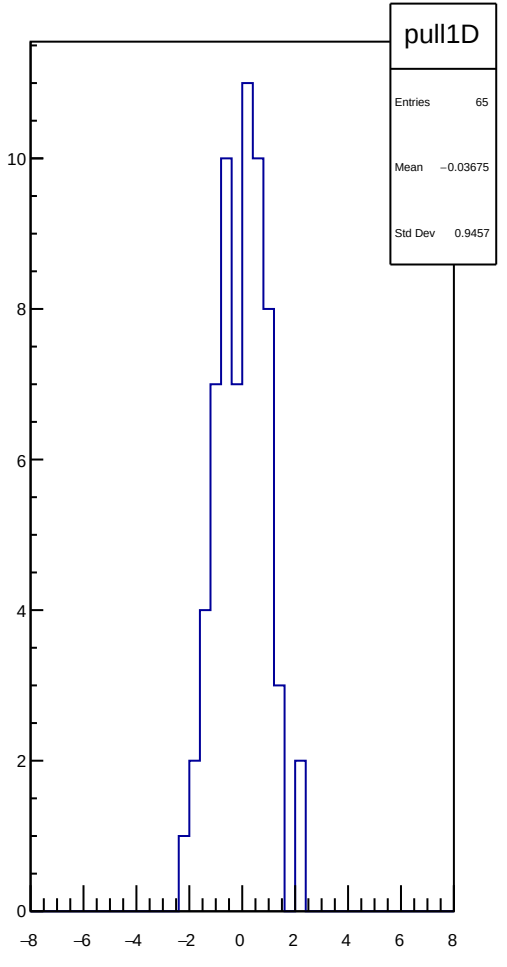

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 5.333e+04 / 64
p0 79.9 ± 0.07112
1000
800
600
400
200

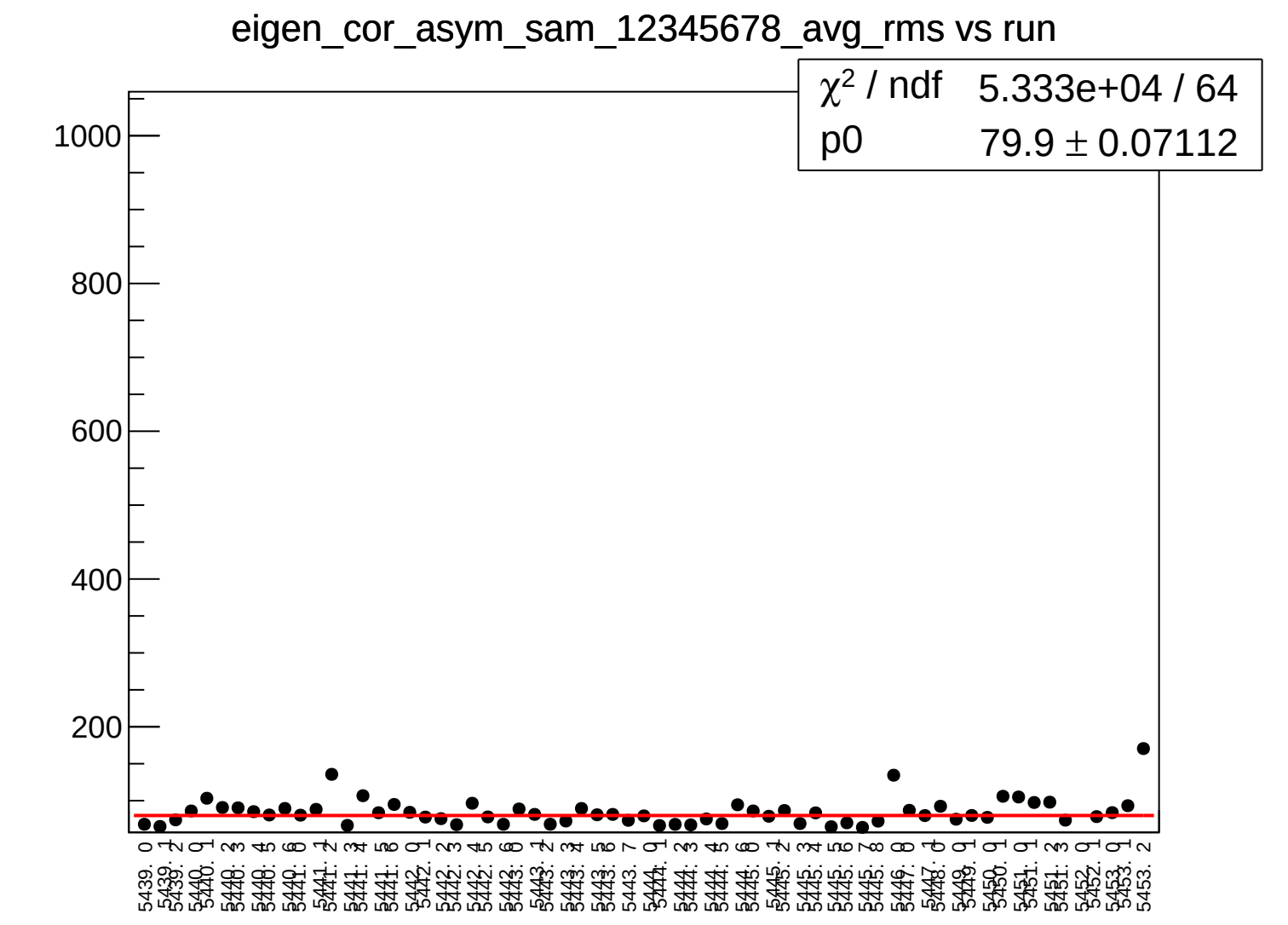

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 72.66 / 64
p0 −2167 ± 1171
pull
Entries 65
Mean −60.6
Std Dev 0

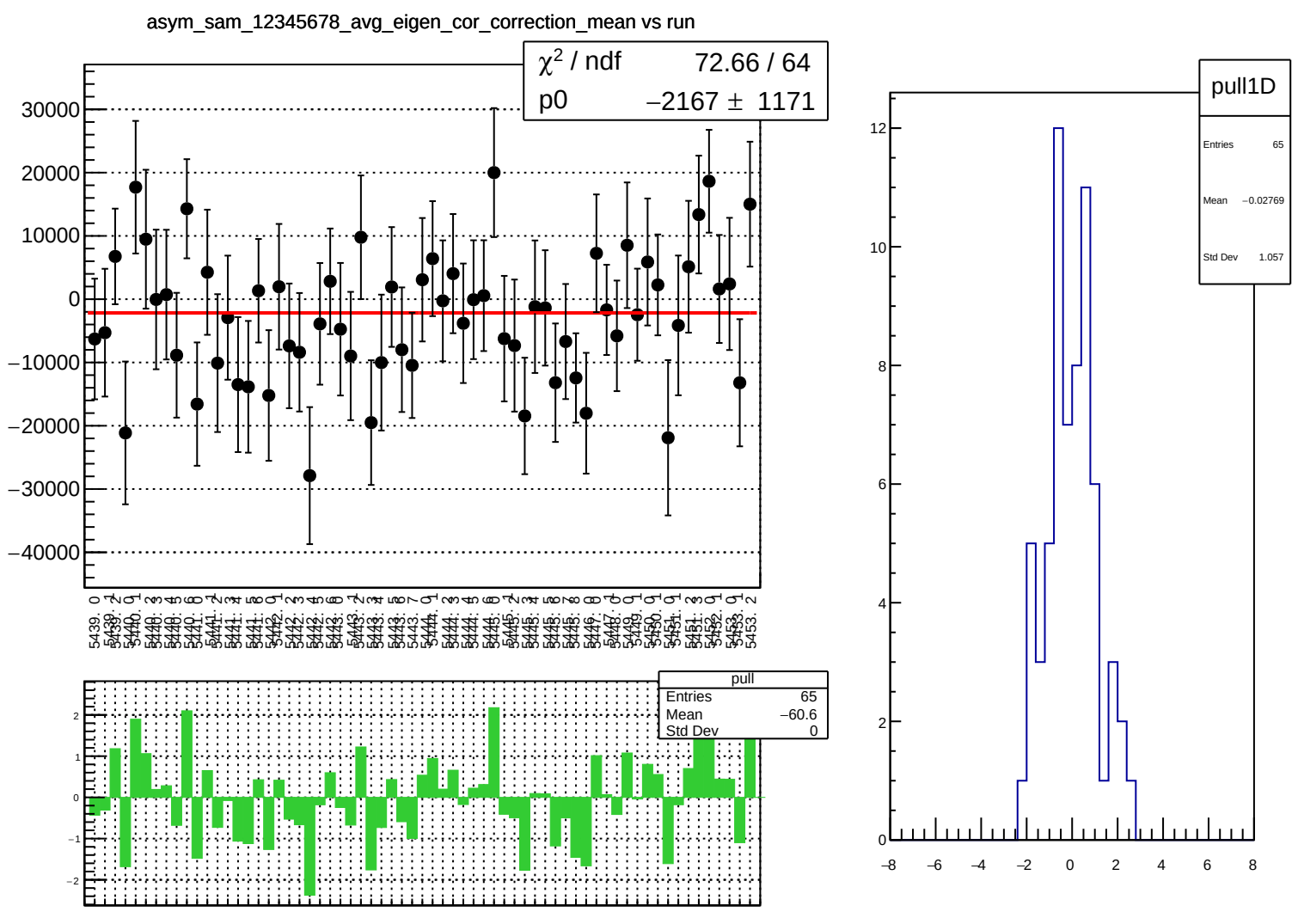

pull1D
Entries 65
Mean −0.02769
Std Dev 1.057

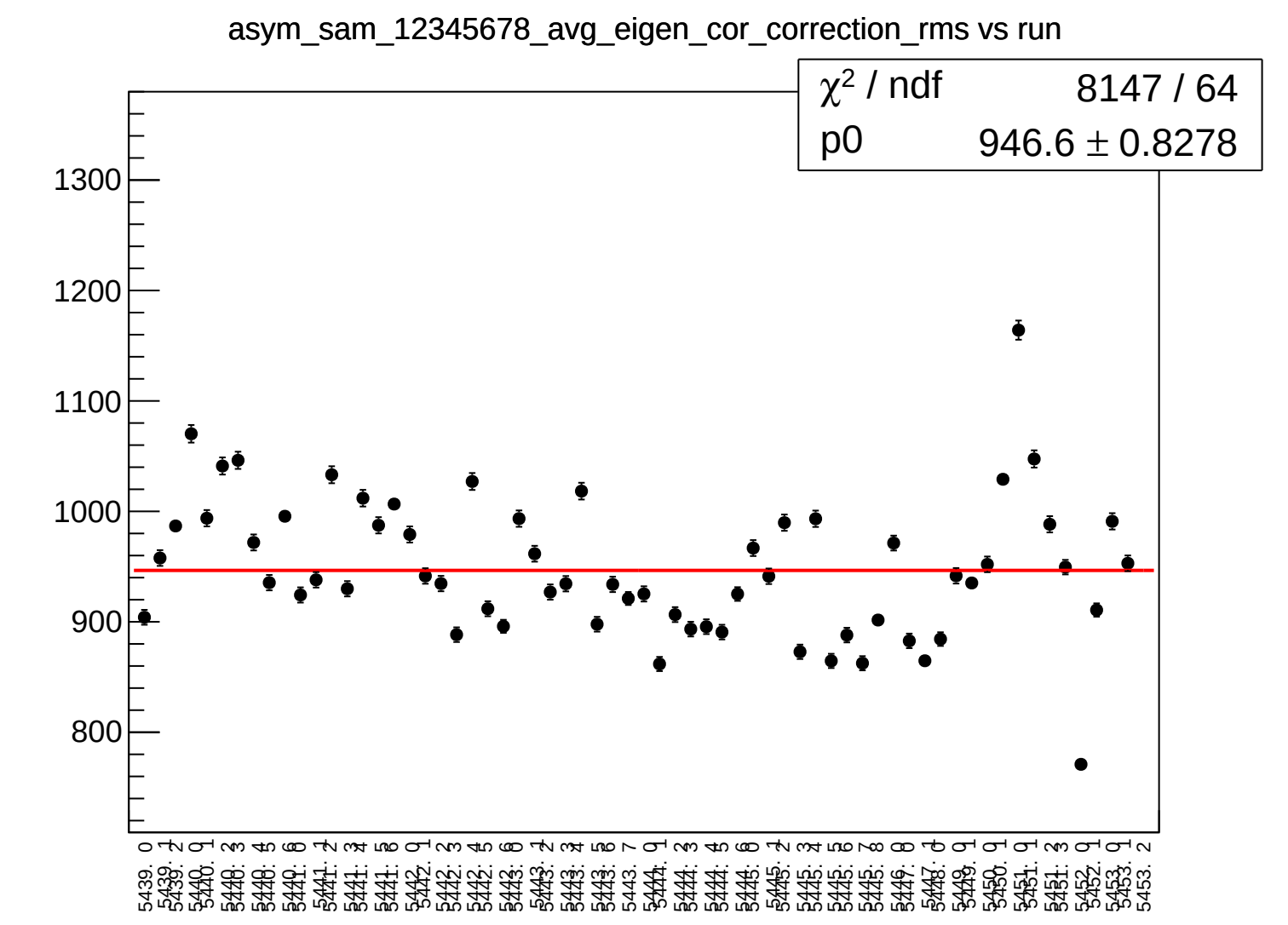

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 8147 / 64
p0 946.6 ± 0.8278
1300
1200
1100
1000
900
800

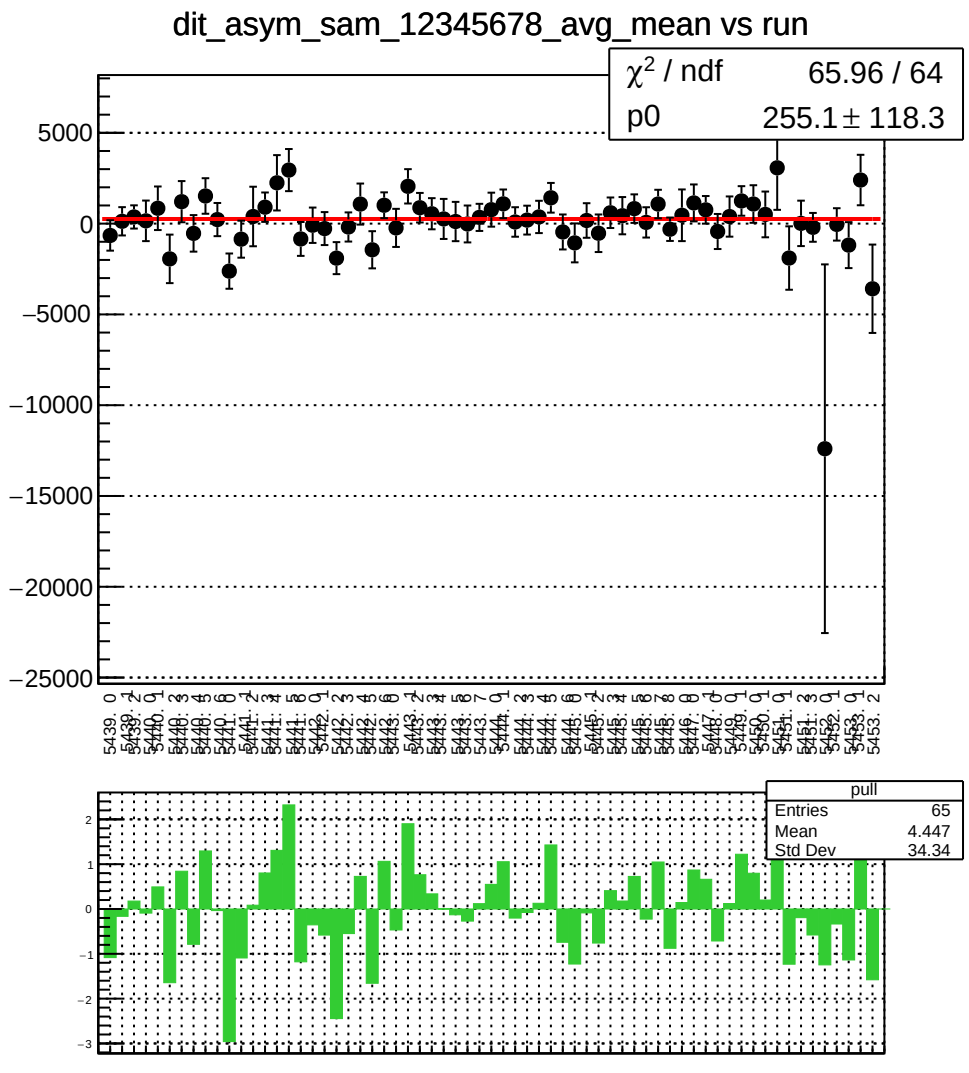

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 58.22 / 64
p0 184.8 ± 100.6
5000
0
−5000
−10000
−15000
−20000
pull
Entries 65
Mean 48.62
Std Dev 35.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

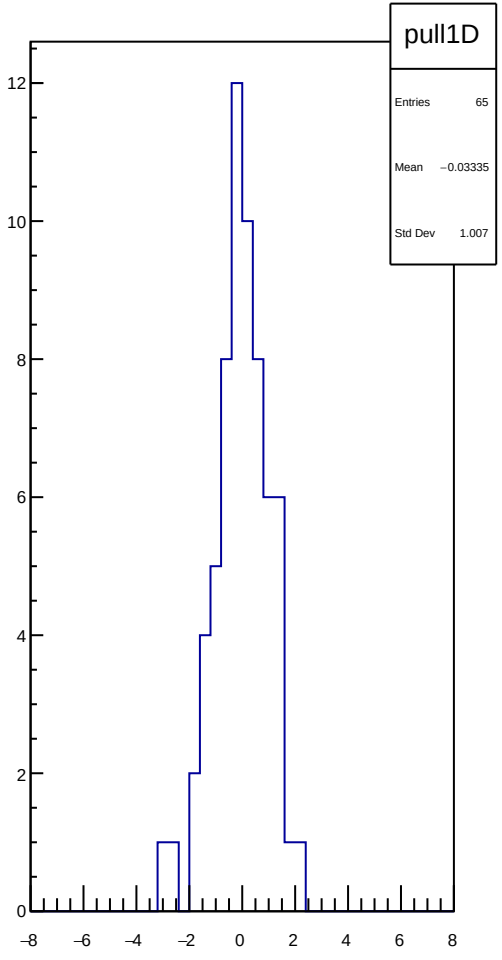

pull1D
Entries 65
Mean −0.03675
Std Dev 0.9457
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

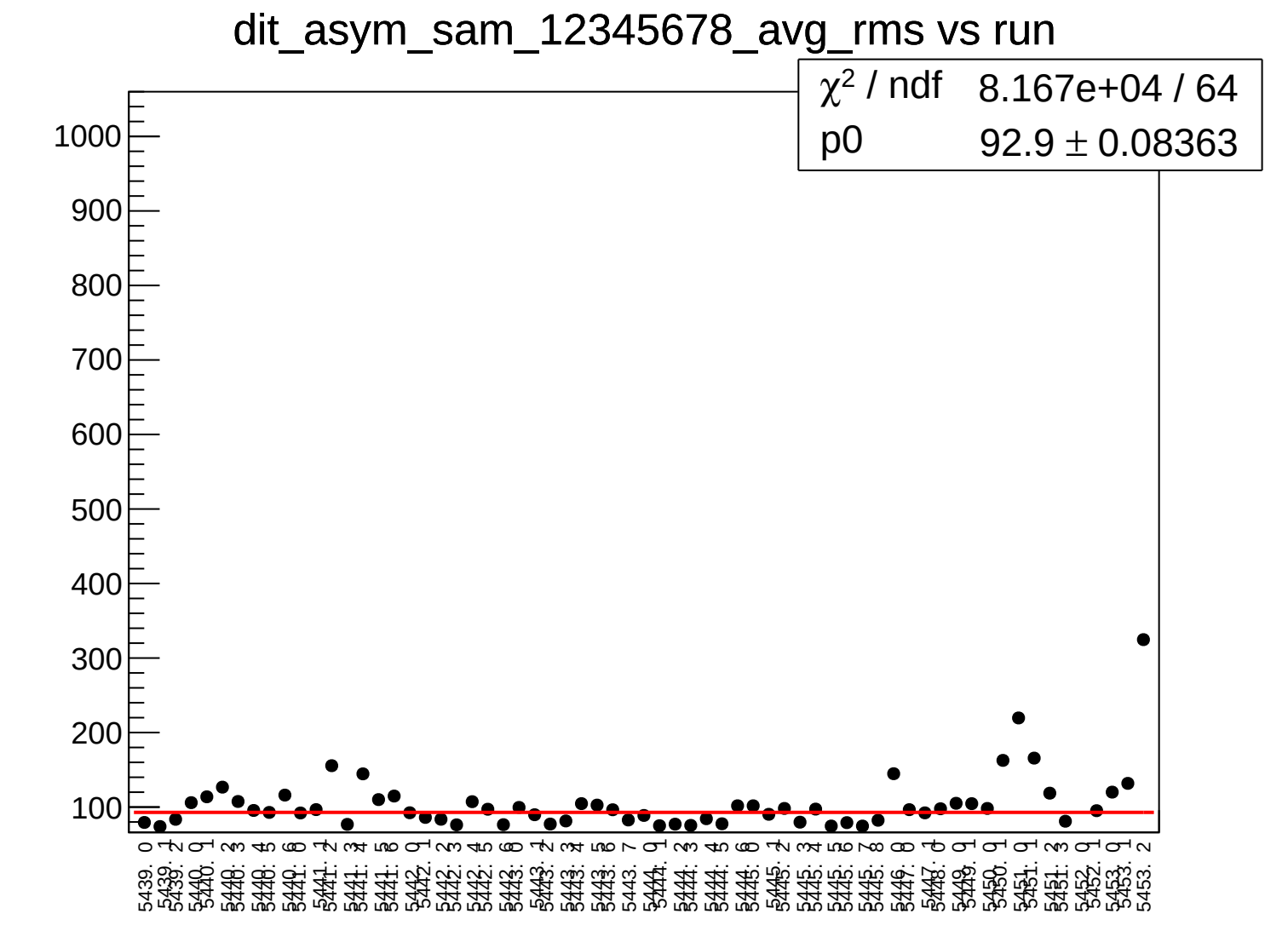

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 5.333e+04 / 64
p0 79.9 ± 0.07112
1000
800
600
400
200

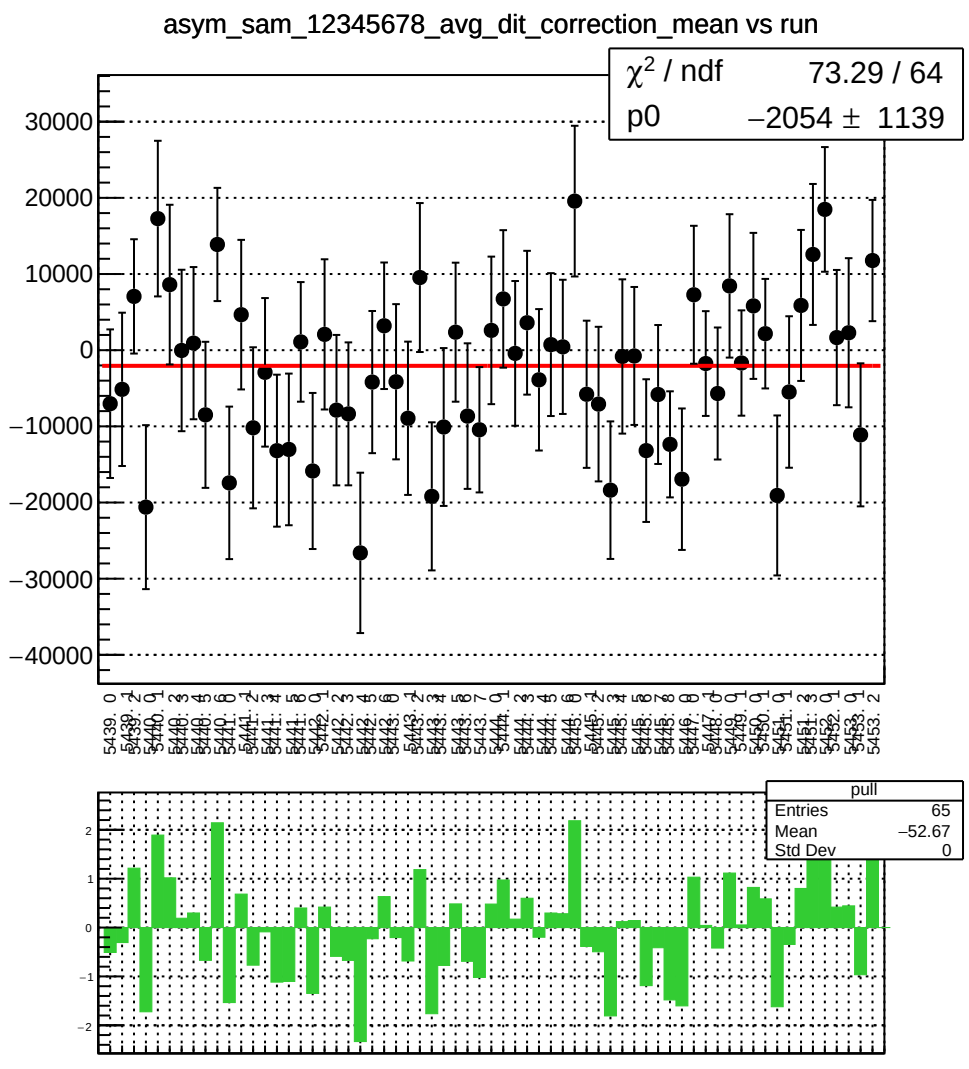

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.66 / 64
p0 −2167 ± 1171
pull
Entries 65
Mean −60.6
Std Dev 0
pull1D
Entries 65
Mean −0.02769
Std Dev 1.057

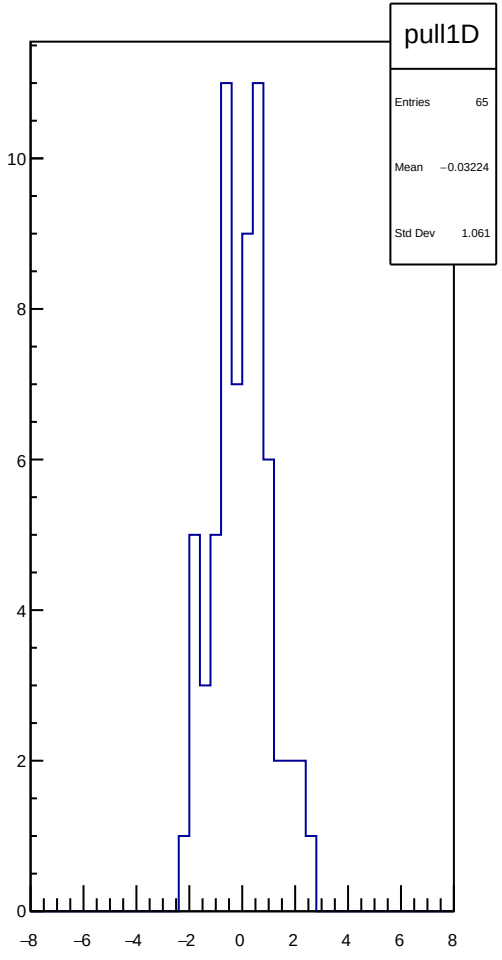

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 8147 / 64
p0 946.6 ± 0.8278
1300
1200
1100
1000
900
800

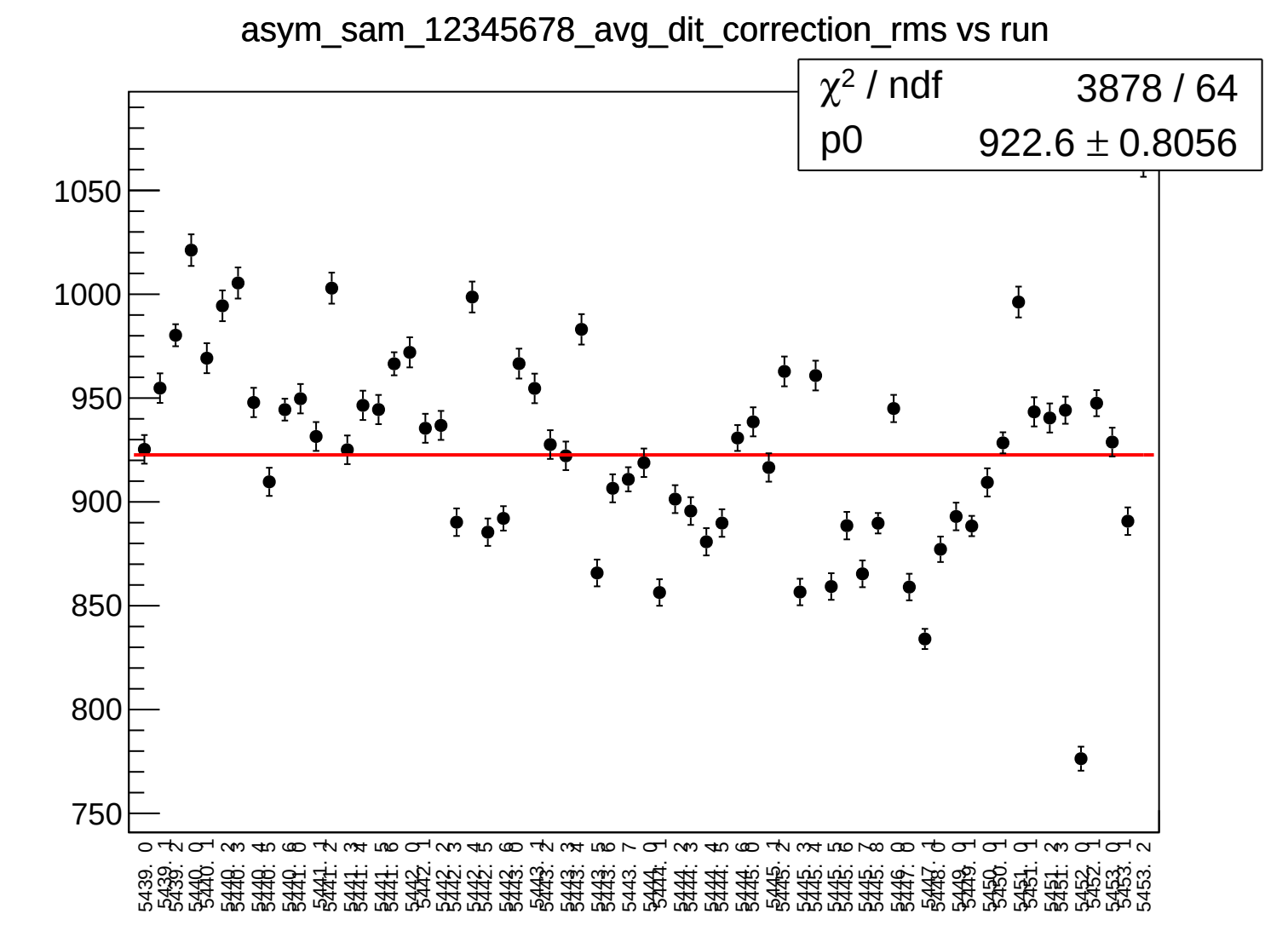

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.96 / 64
p0 255.1 ± 118.3
pull
Entries 65
Mean 4.447
Std Dev 34.34

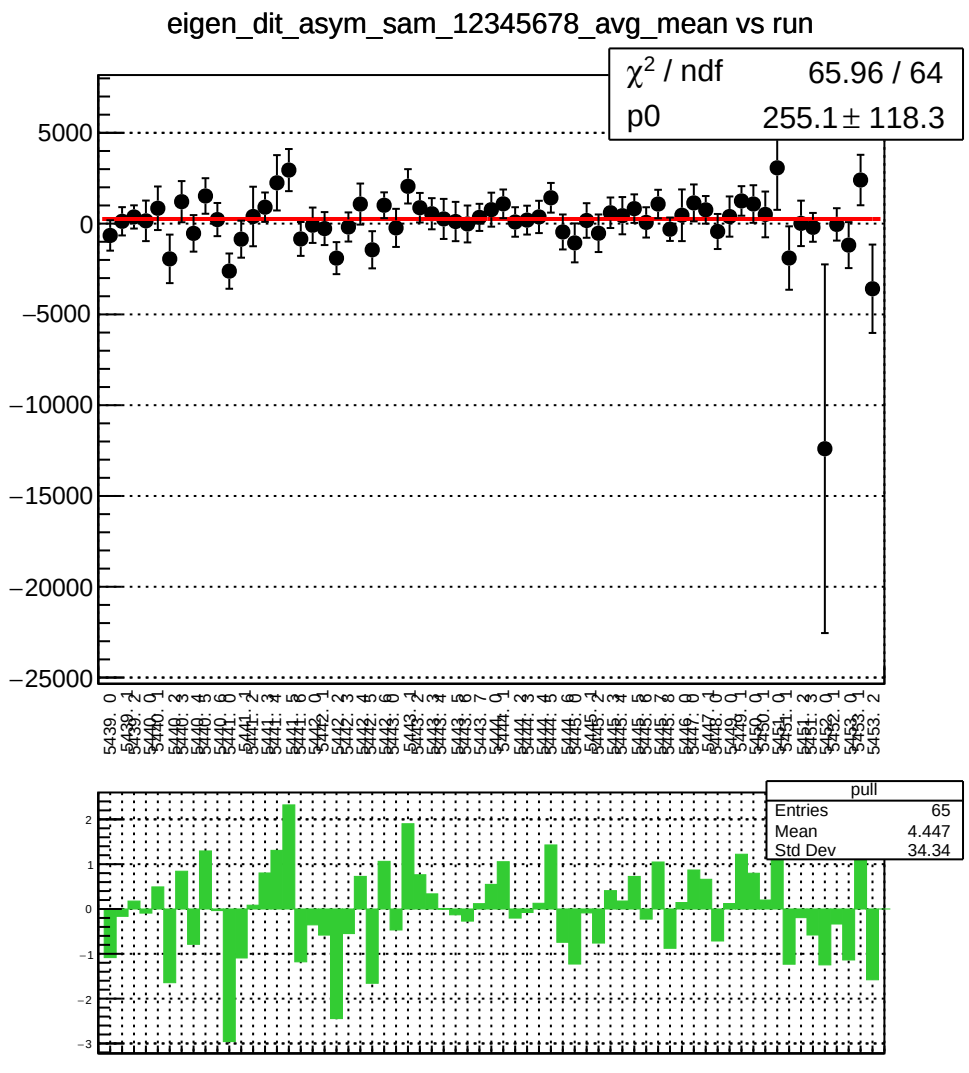

pull1D
Entries 65
Mean −0.03335
Std Dev 1.007

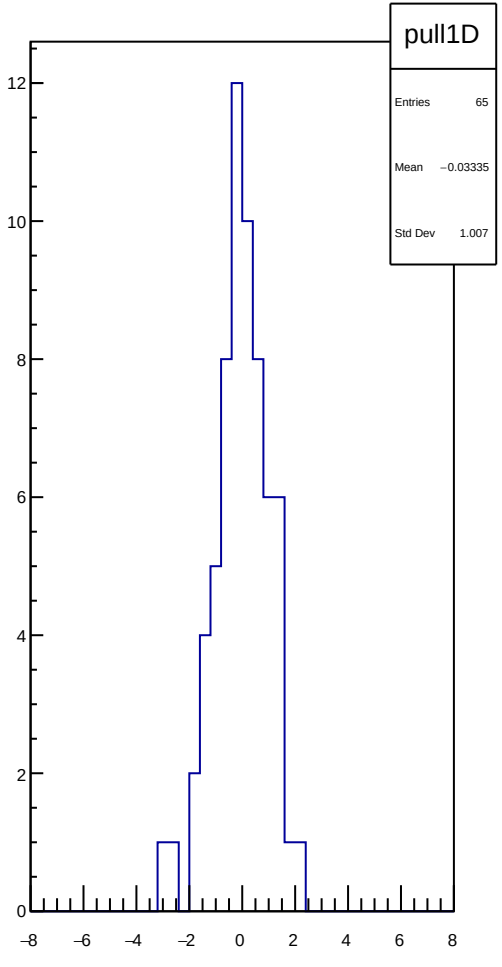

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8.167e+04 / 64
p0 92.9 ± 0.08363
1000
900
800
700
600
500
400
300
200
100

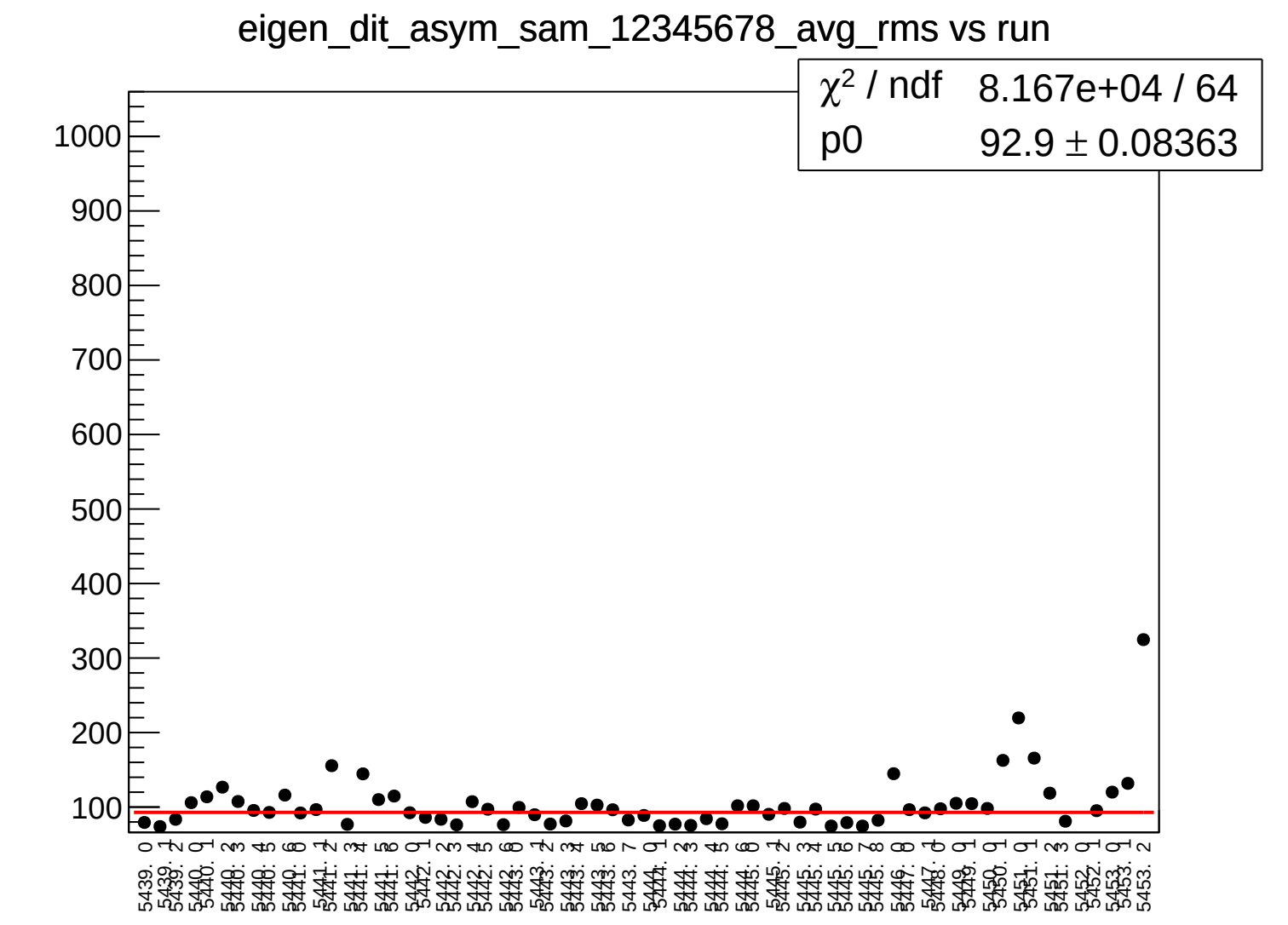

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 73.29 / 64
p0 −2054 ± 1139
pull
Entries 65
Mean −52.67
Std Dev 0

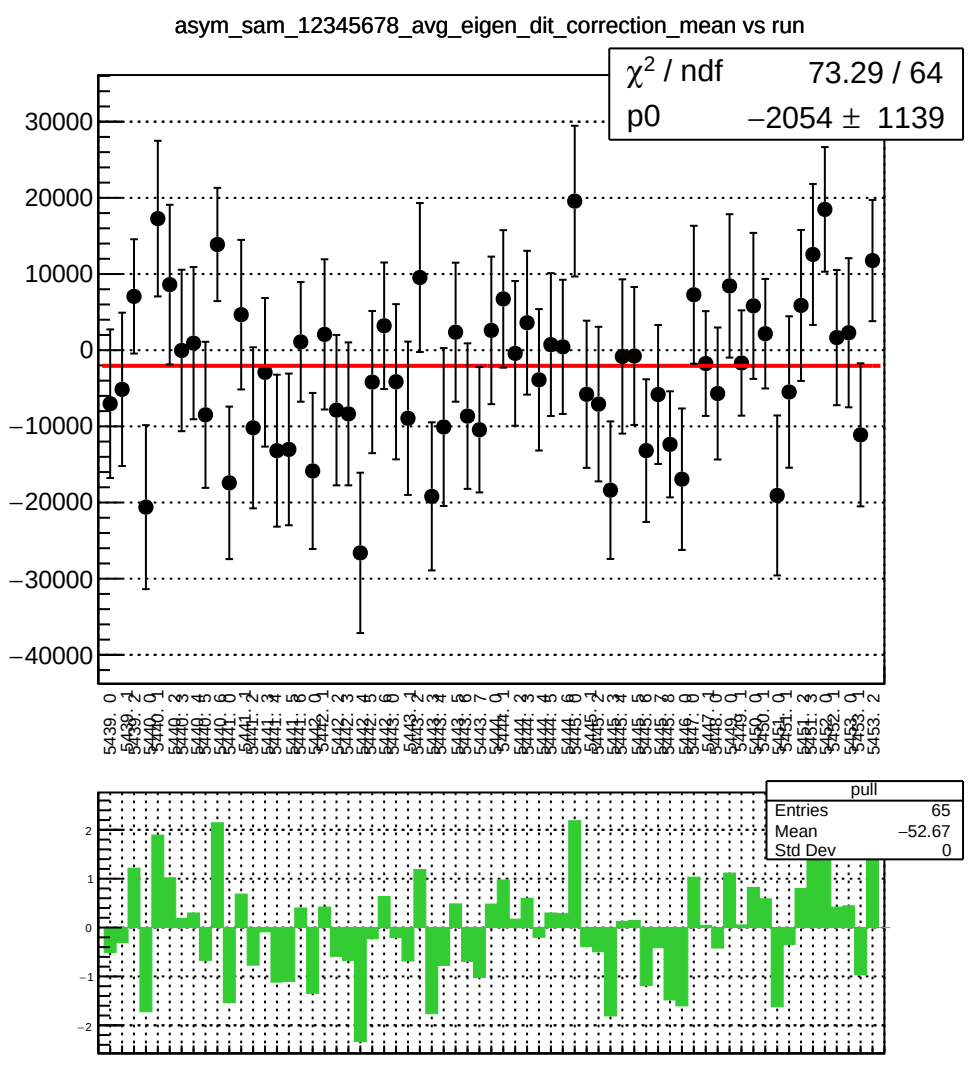

pull1D
Entries 65
Mean −0.03224
Std Dev 1.061

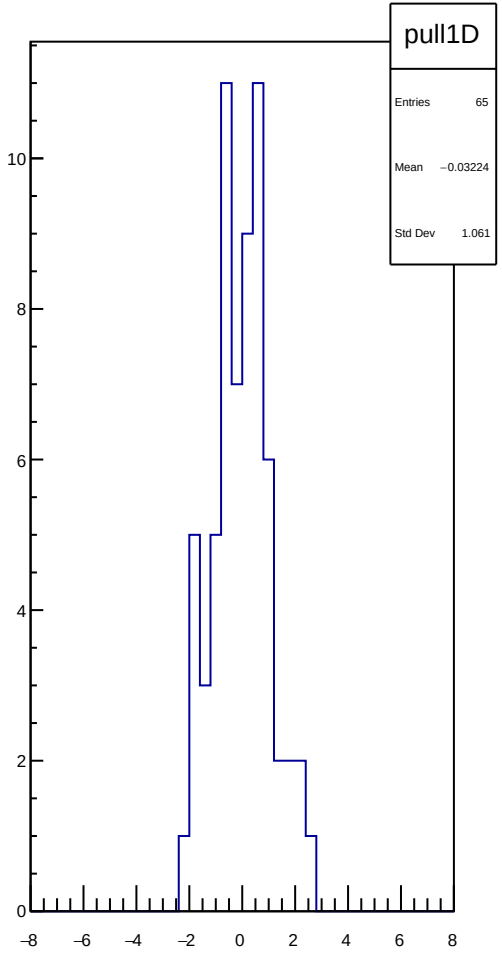

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 3878 / 64
p0 922.6 ± 0.8056
1050
1000
950
900
850
800
750

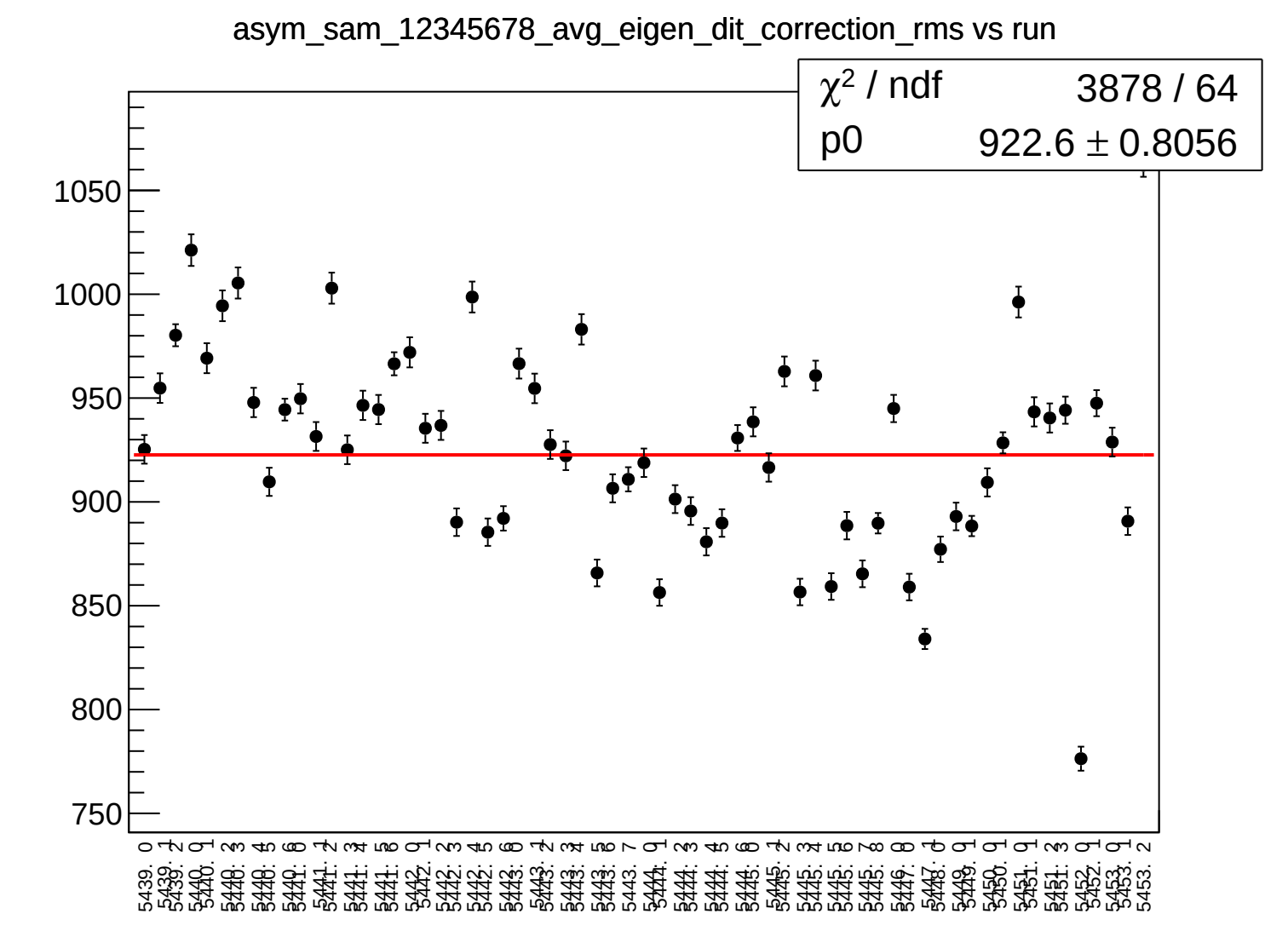

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.96 / 64
p0 255.1 ± 118.3
pull
Entries 65
Mean 4.447
Std Dev 34.34

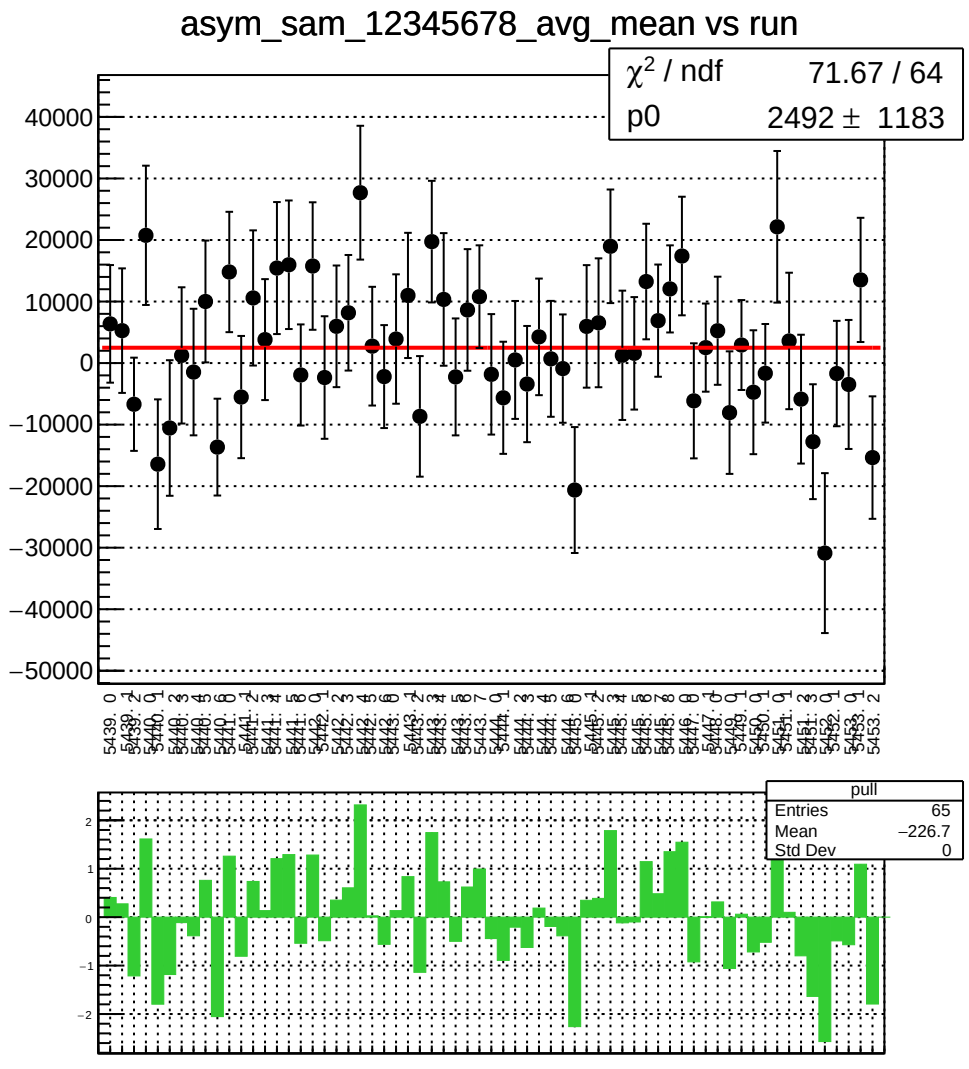

pull1D
Entries 65
Mean −0.03335
Std Dev 1.007

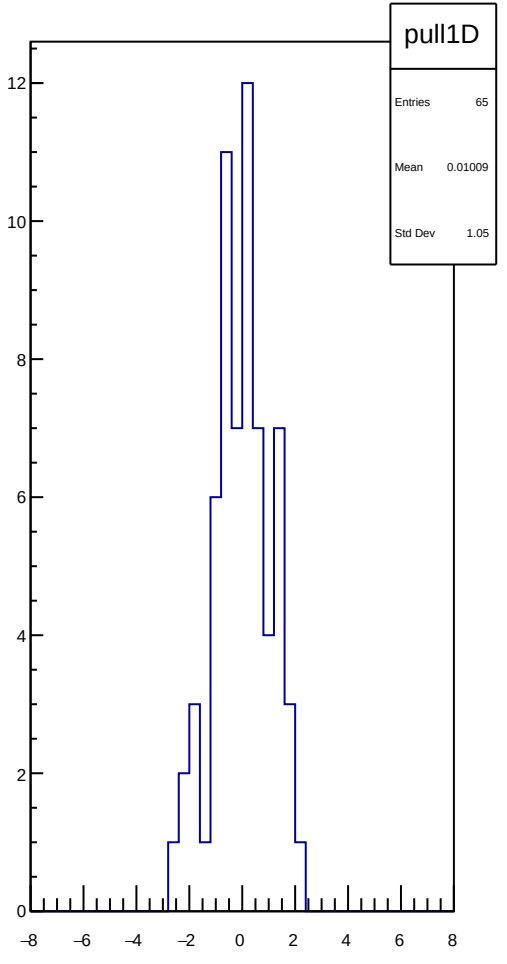

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8.167e+04 / 64
p0 92.9 ± 0.08363
1000
900
800
700
600
500
400
300
200
100

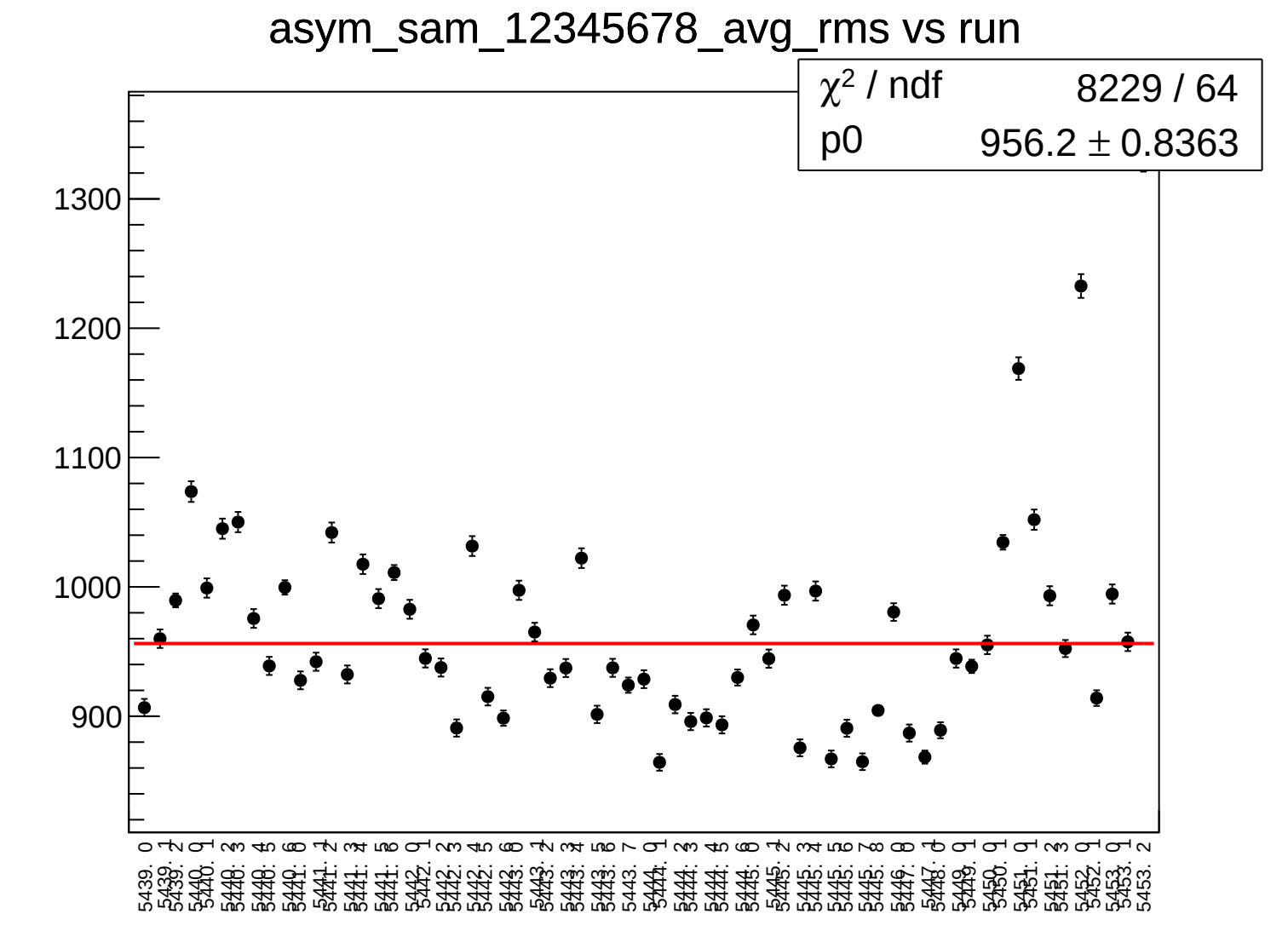

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.29 / 64
p0 −2054 ± 1139
pull
Entries 65
Mean −52.67
Std Dev 0

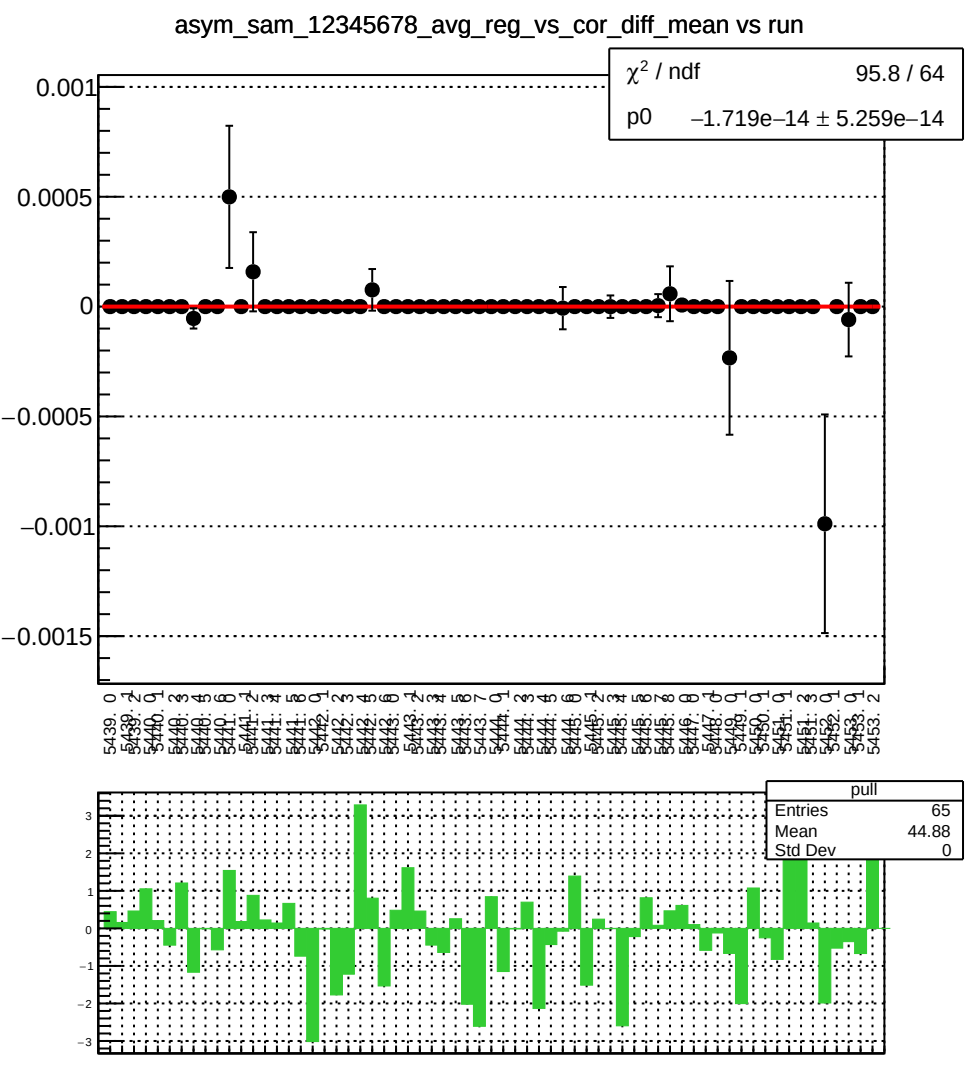

pull1D
Entries 65
Mean −0.03224
Std Dev 1.061

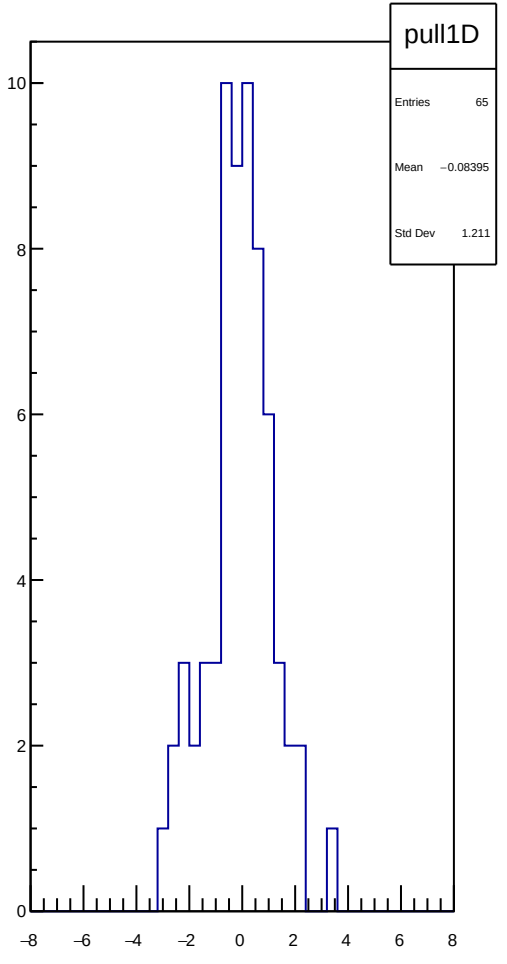

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 3878 / 64
p0 922.6 ± 0.8056
1050
1000
950
900
850
800
750

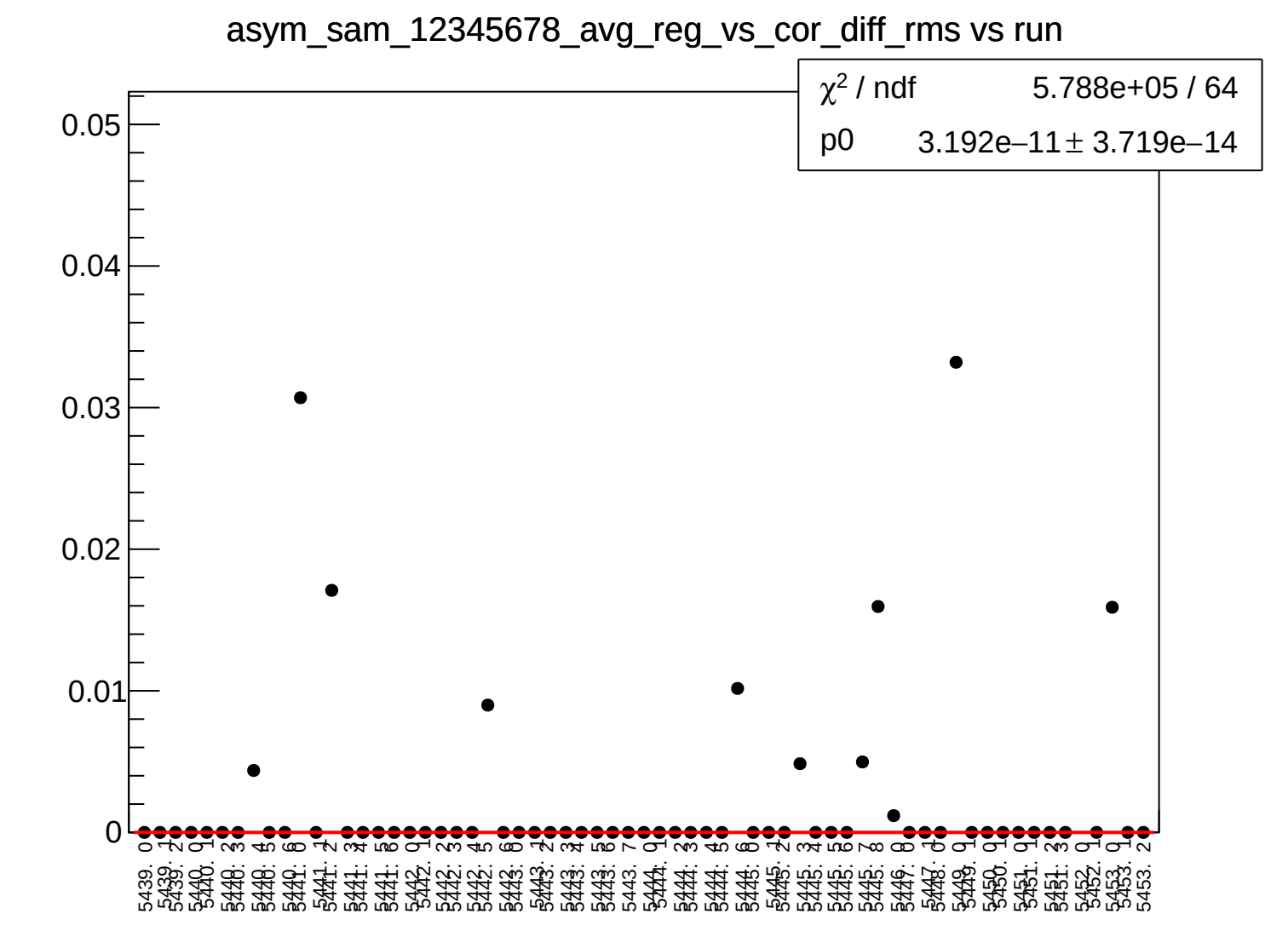

asym_sam_12345678_avg_mean vs run
χ² / ndf 71.67 / 64
p0 2492 ± 1183
pull
Entries 65
Mean −226.7
Std Dev 0

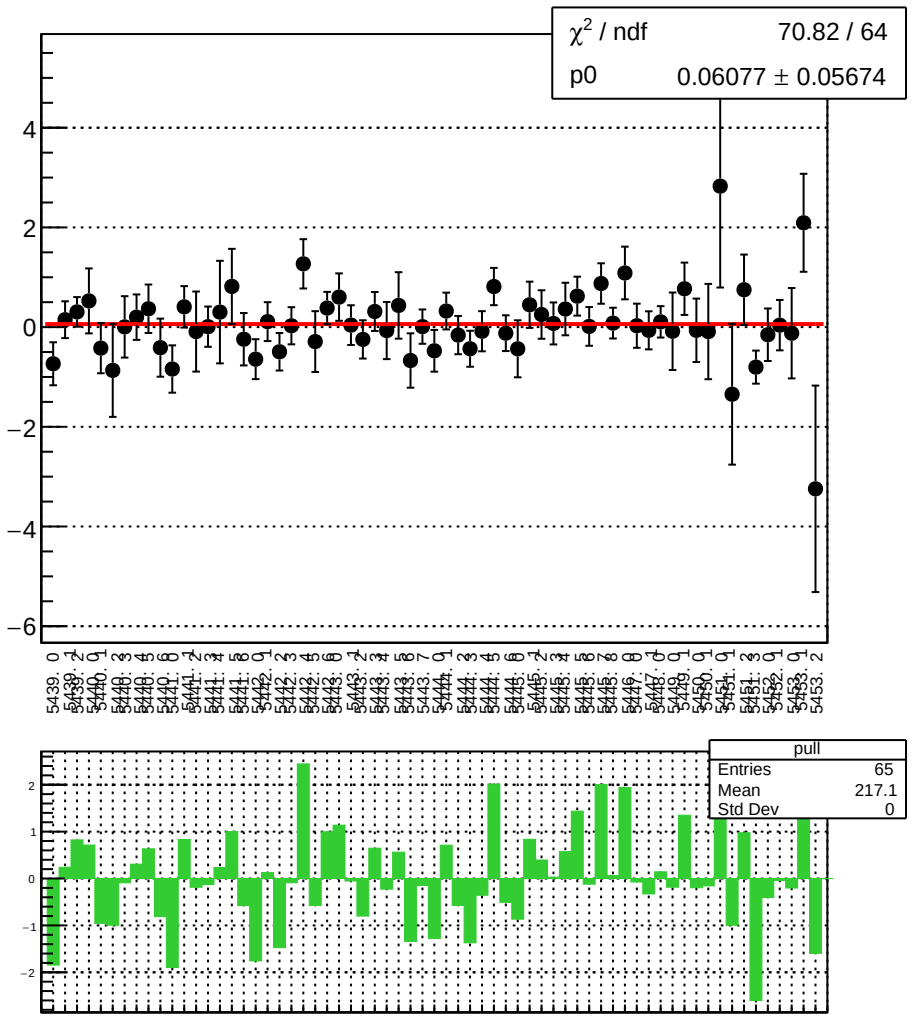

pull1D
Entries 65
Mean 0.01009
Std Dev 1.05

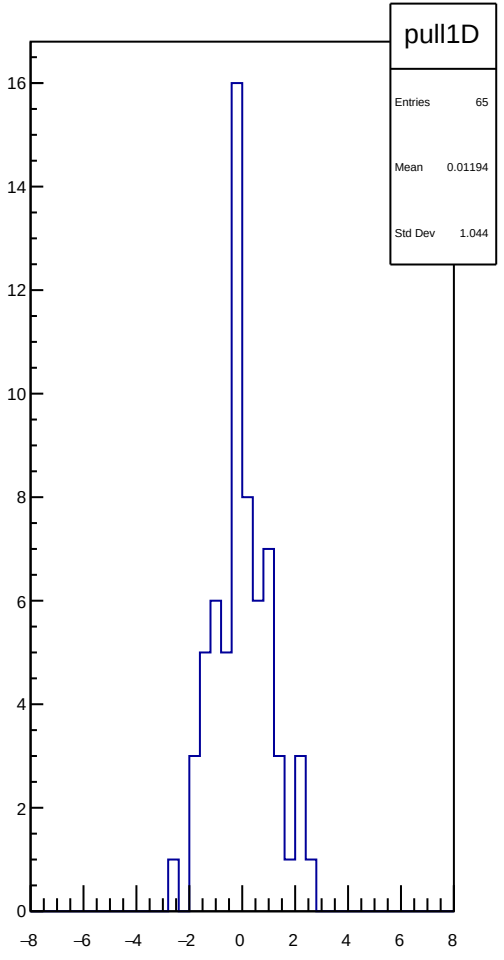

asym_sam_12345678_avg_rms vs run
χ² / ndf 8229 / 64
p0 956.2 ± 0.8363
1300
1200
1100
1000
900

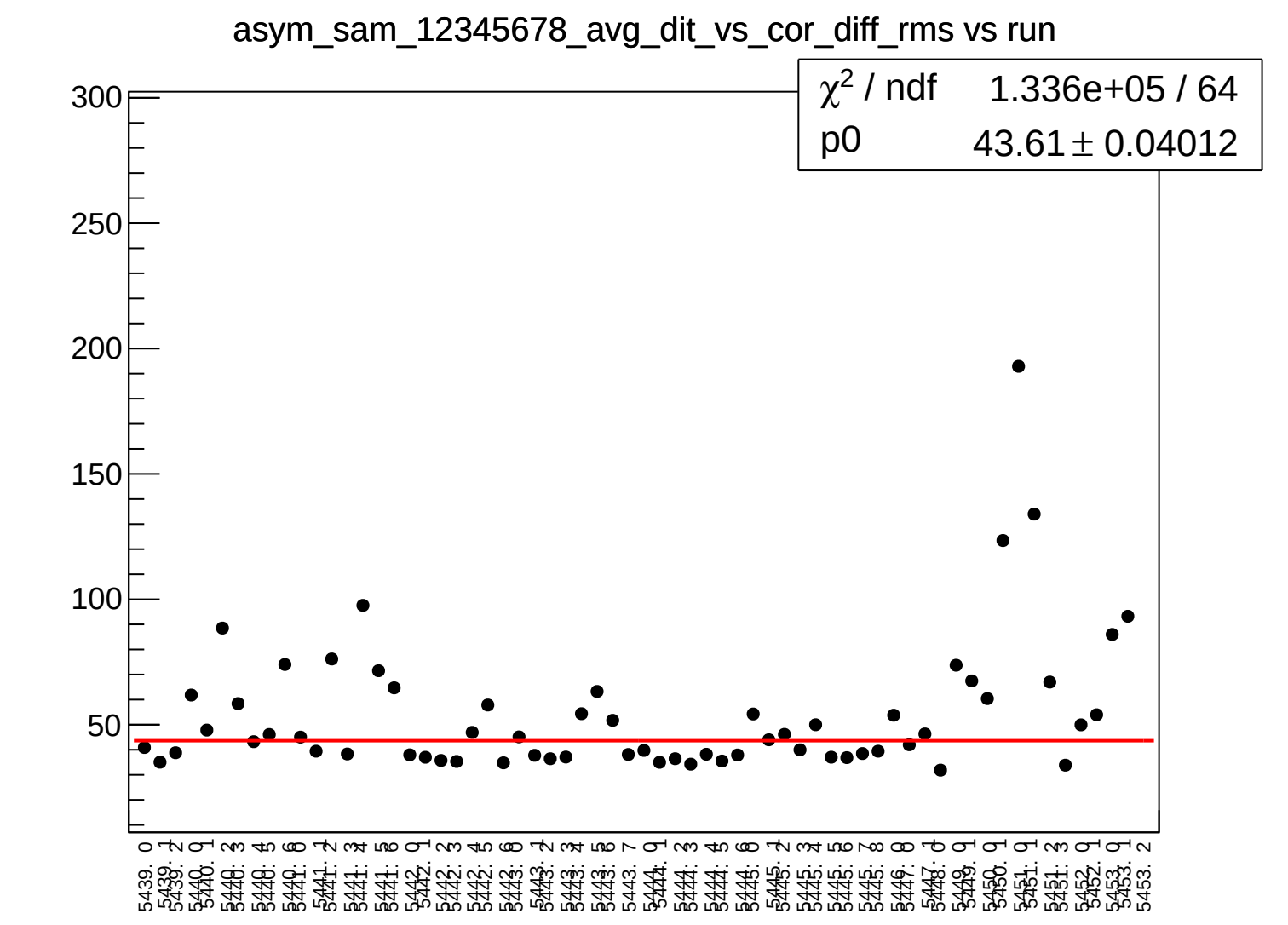

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.8 / 64
p0 −1.719e−14 ± 5.259e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 65
Mean 44.88
Std Dev 0
3
2
1
0
−1
−2
−3

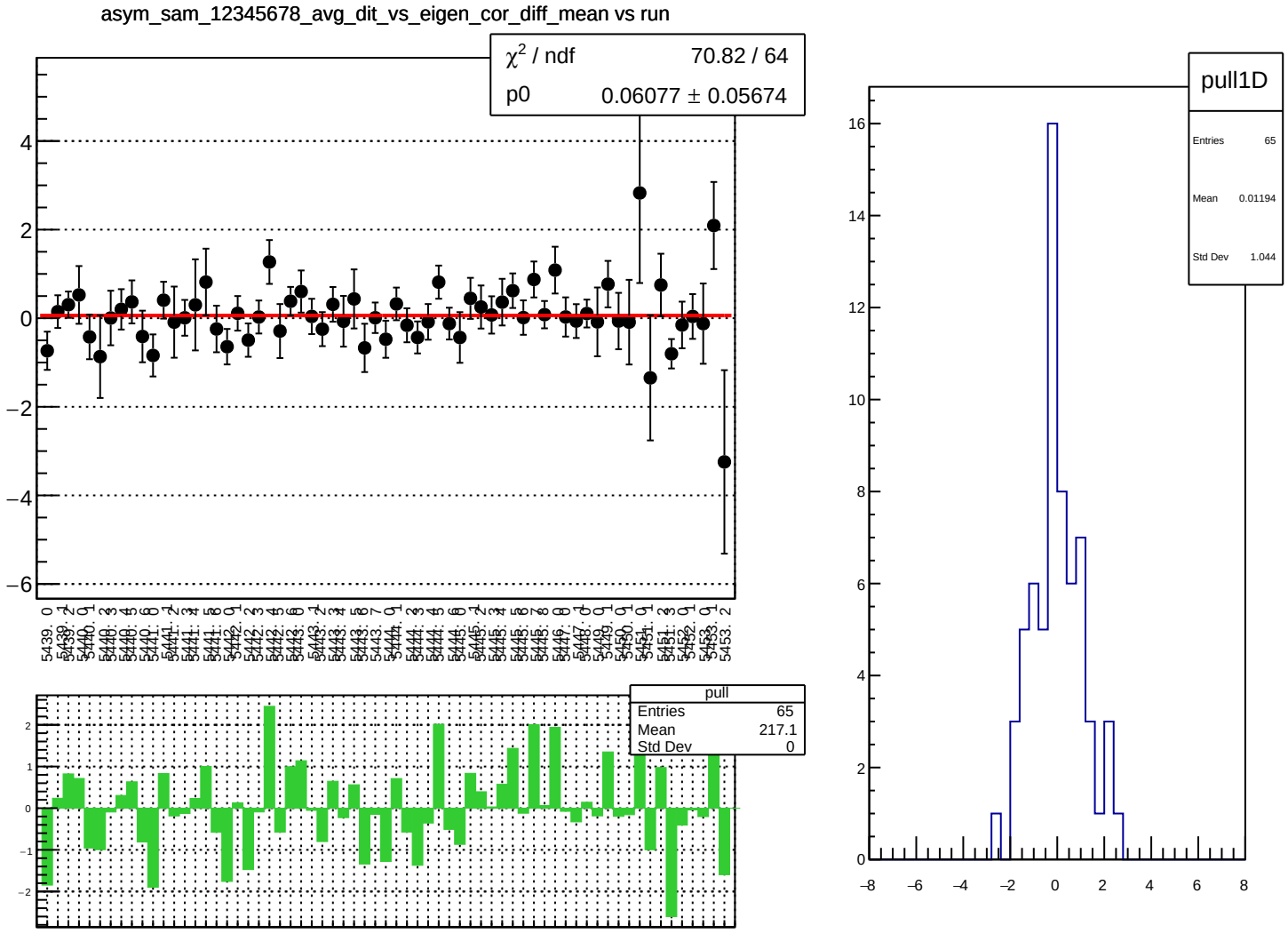

pull1D
Entries 65
Mean −0.08395
Std Dev 1.211
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

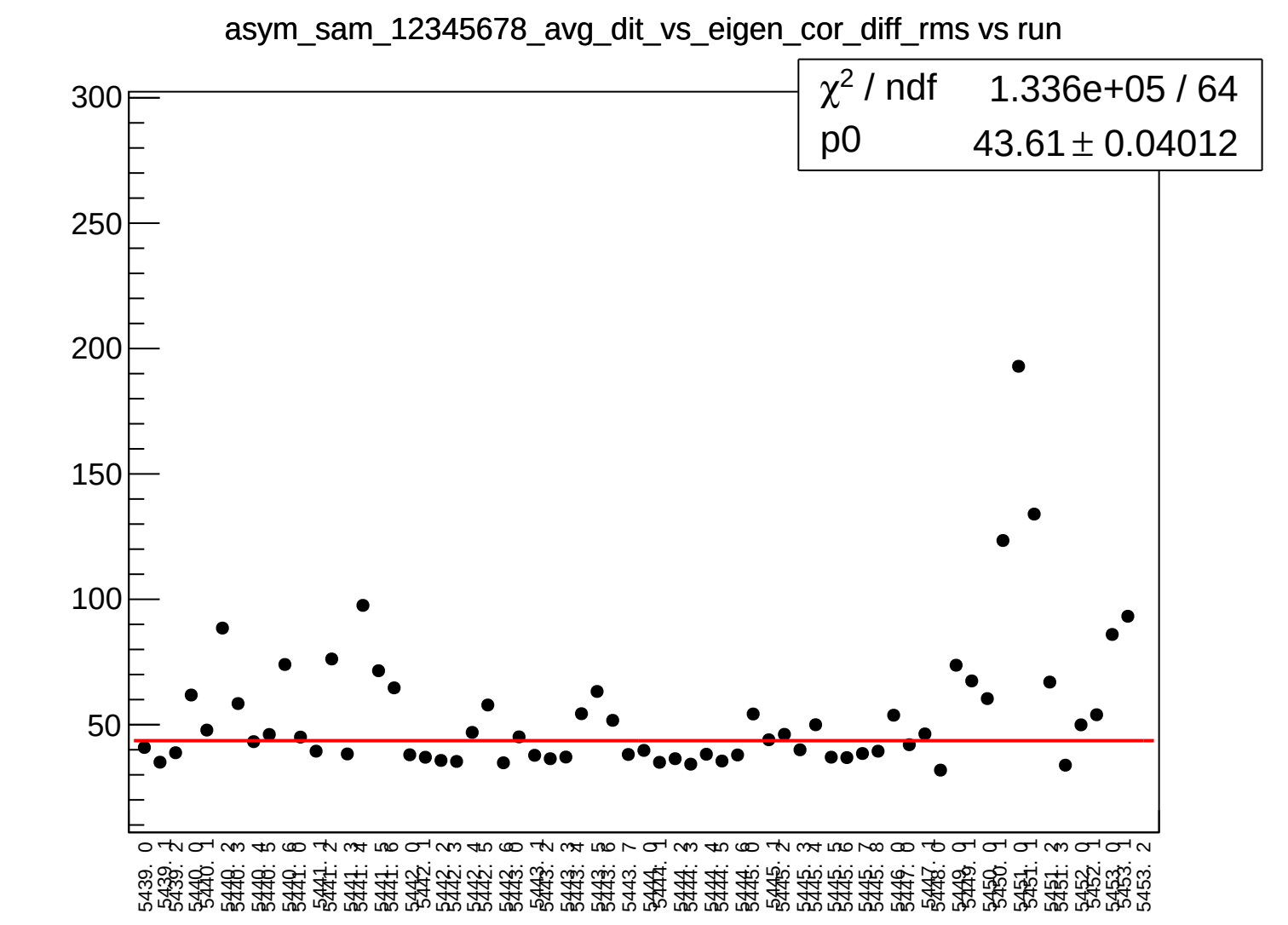

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.788e+05 / 64
p0 3.192e−11 ± 3.719e−14
0.05
0.04
0.03
0.02
0.01
0

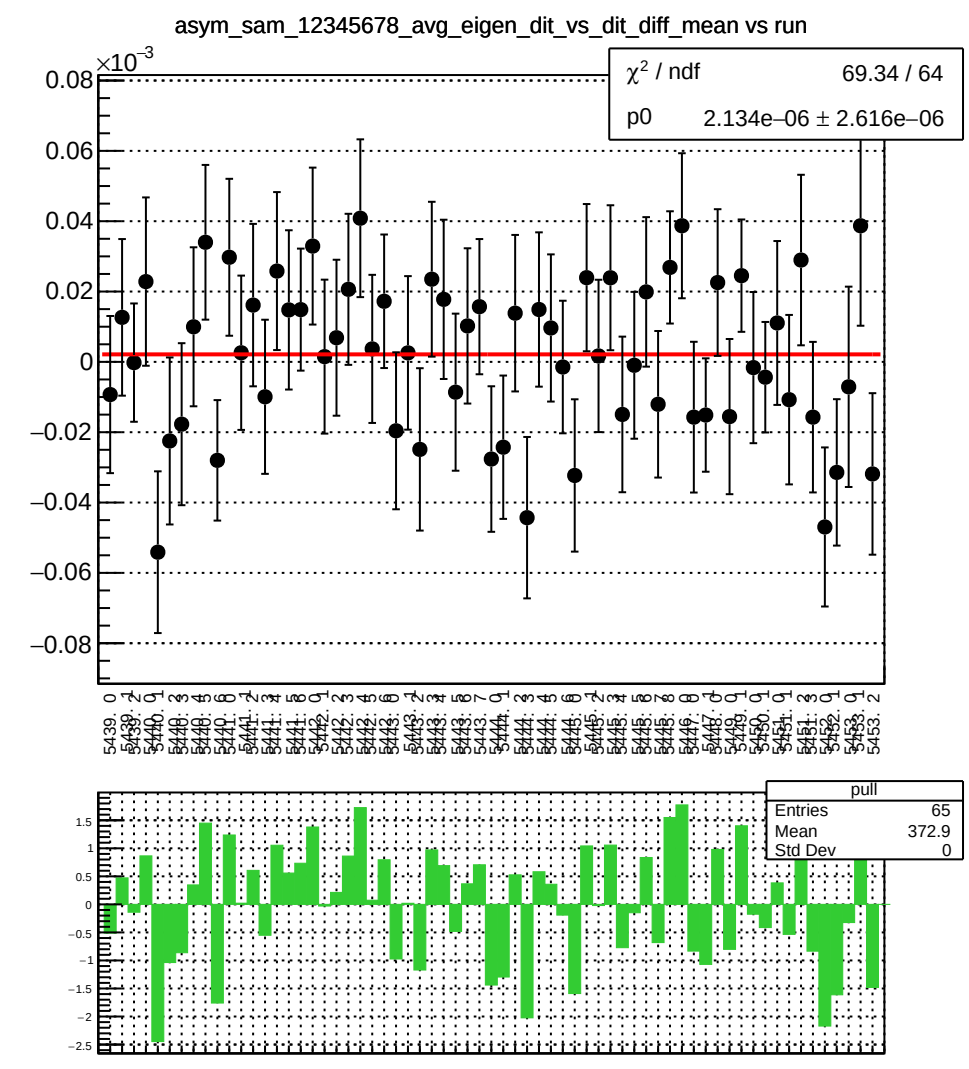

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.82 / 64
p0 0.06077 ± 0.05674
pull
Entries 65
Mean 217.1
Std Dev 0

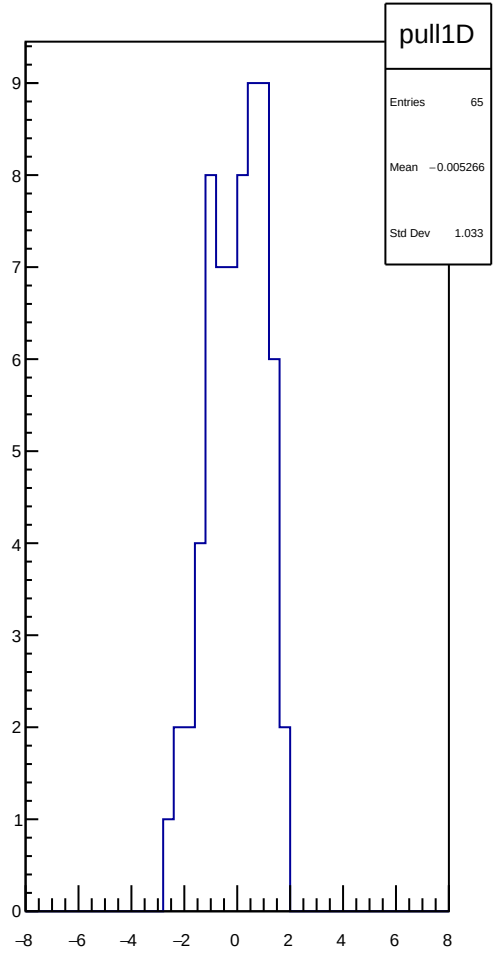

pull1D
Entries 65
Mean 0.01194
Std Dev 1.044

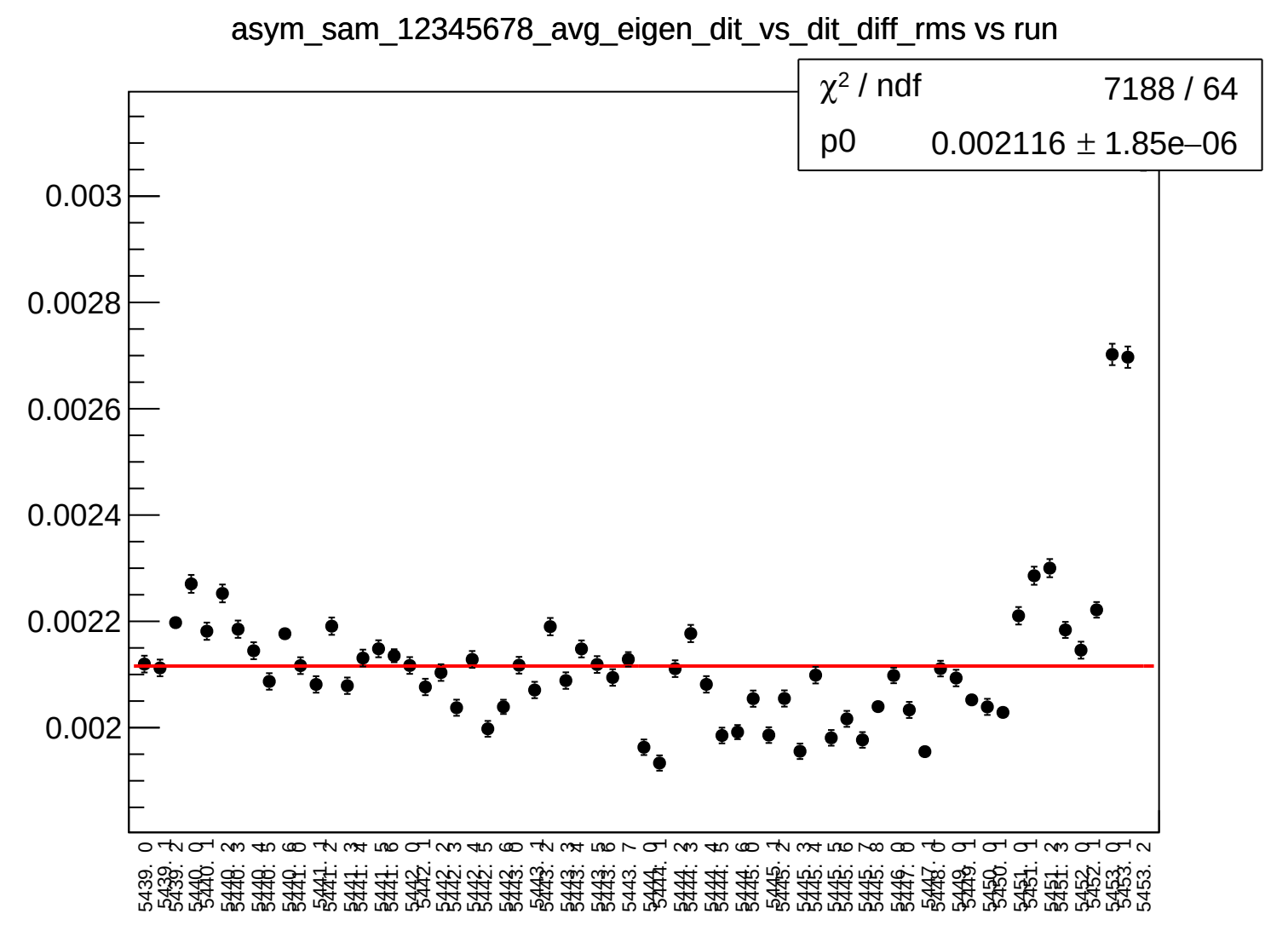

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.336e+05 / 64
p0 43.61 ± 0.04012
300
250
200
150
100
50

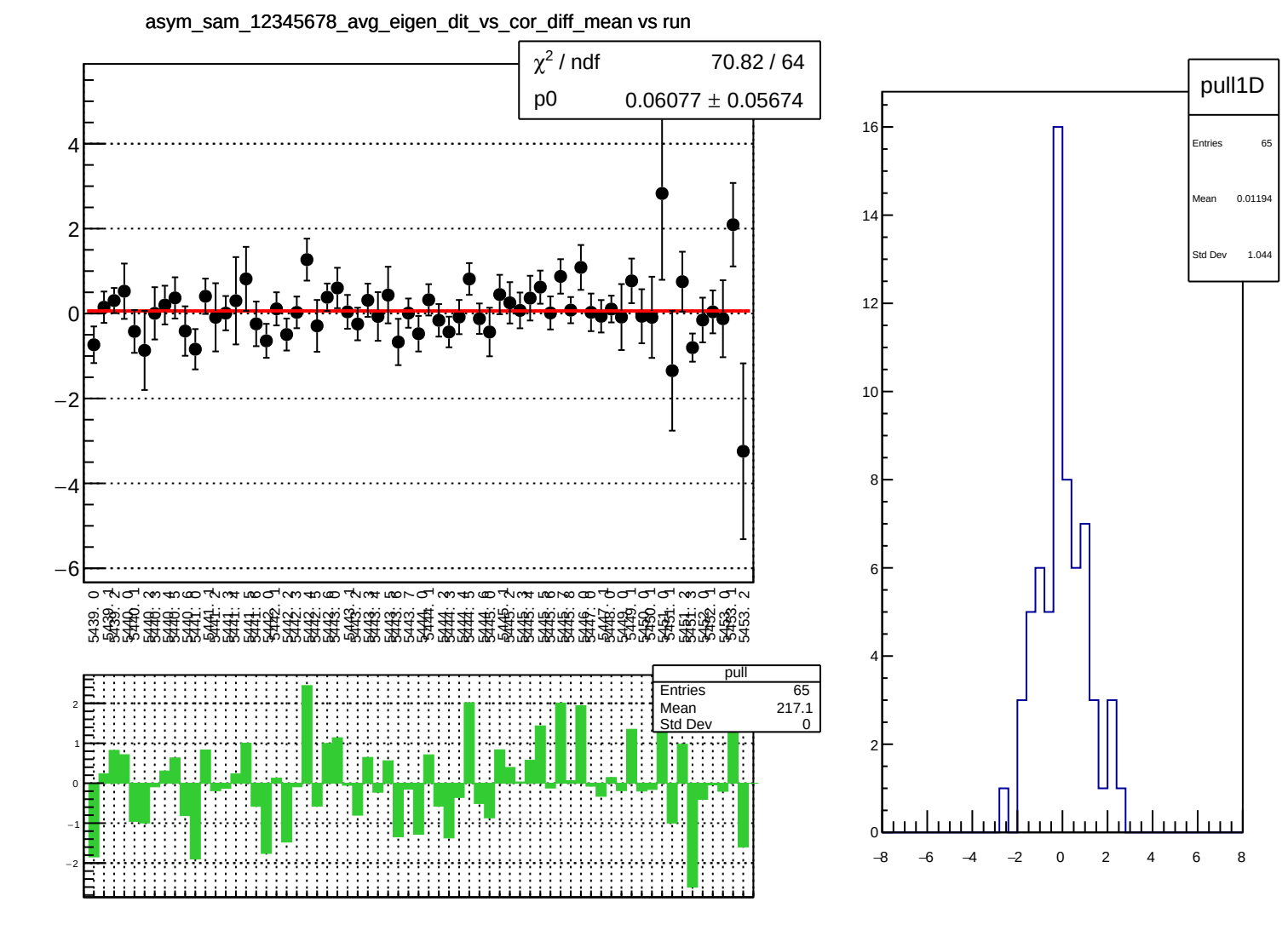

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.82 / 64
p0 0.06077 ± 0.05674
pull
Entries 65
Mean 217.1
Std Dev 0
pull1D
Entries 65
Mean 0.01194
Std Dev 1.044

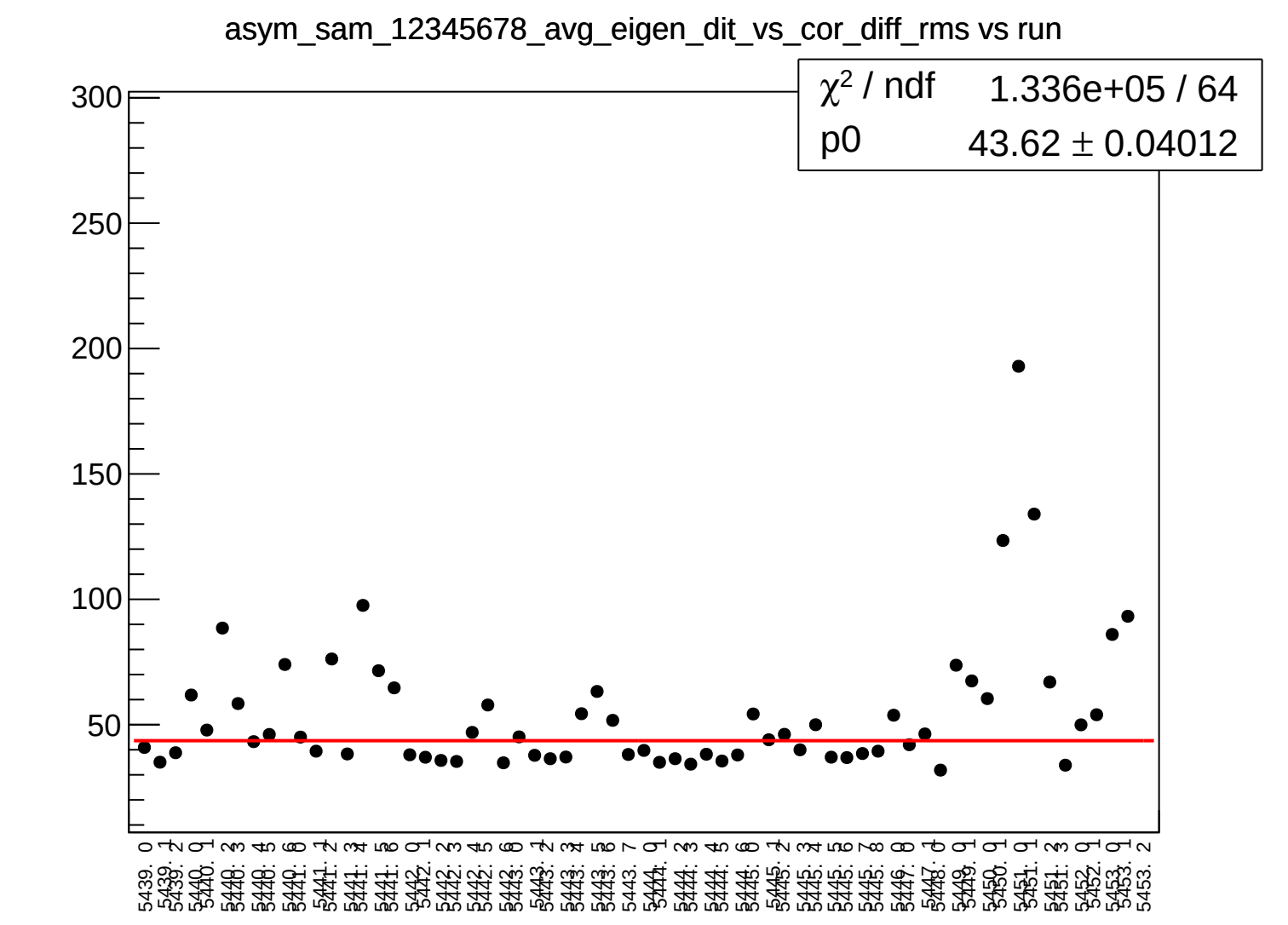

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.336e+05 / 64
p0 43.61 ± 0.04012
300
250
200
150
100
50

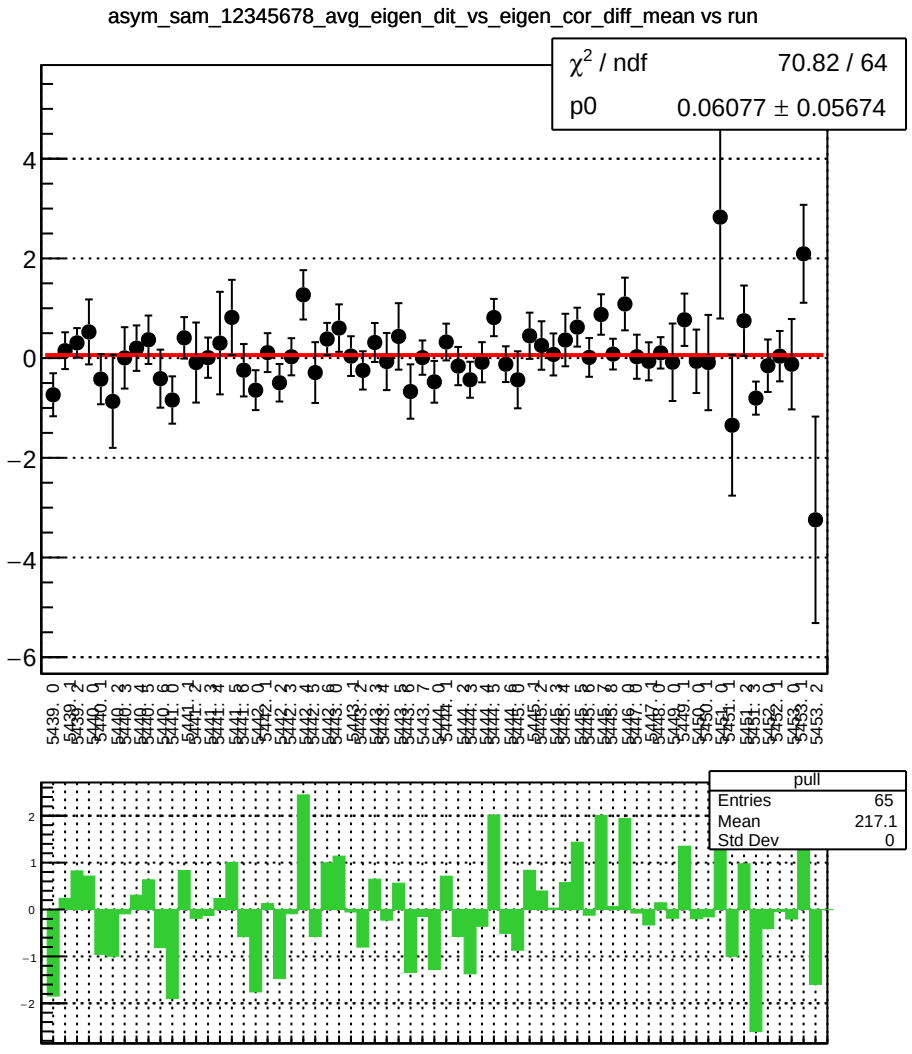

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.34 / 64
p0 2.134e−06 ± 2.616e−06
pull
Entries 65
Mean 372.9
Std Dev 0

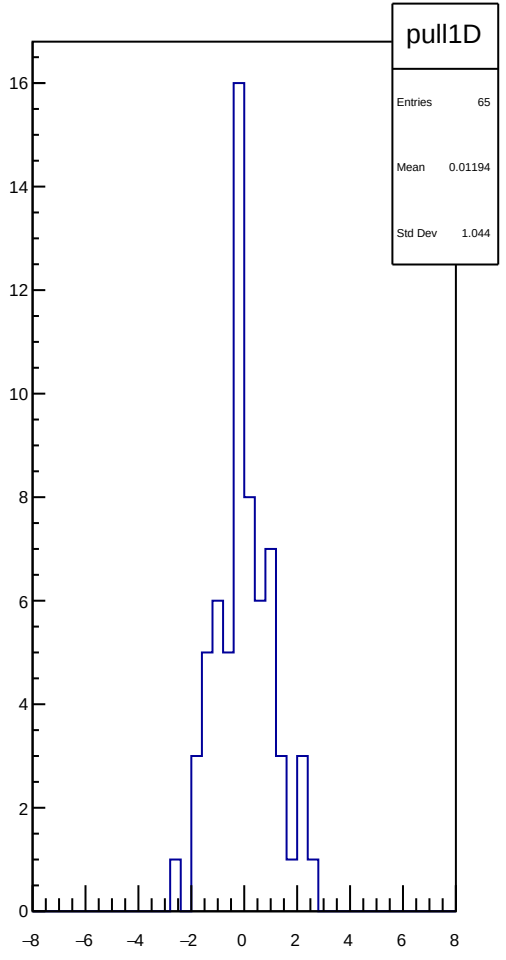

pull1D
Entries 65
Mean −0.005266
Std Dev 1.033

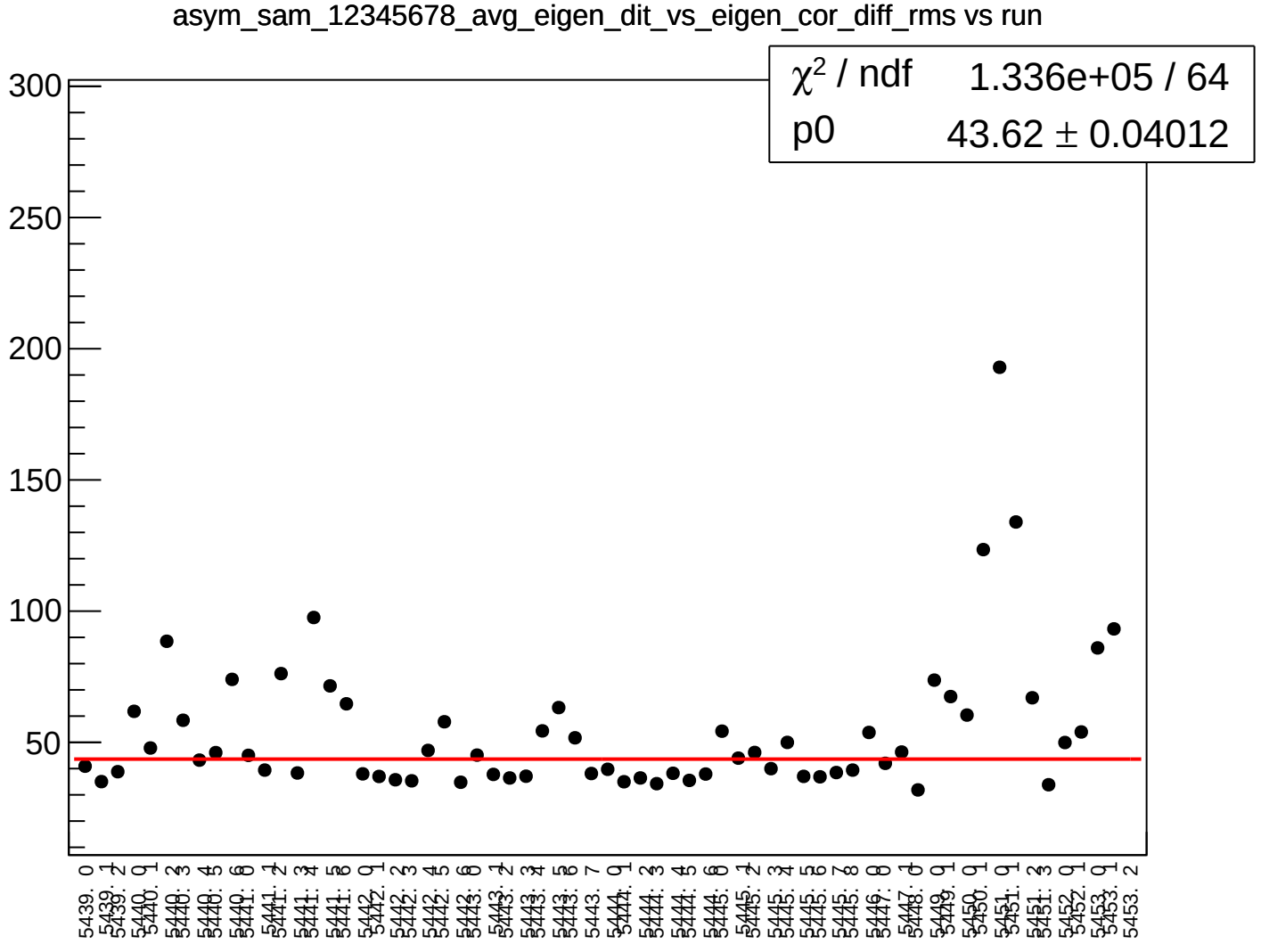

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7188 / 64
p0 0.002116 ± 1.85e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002

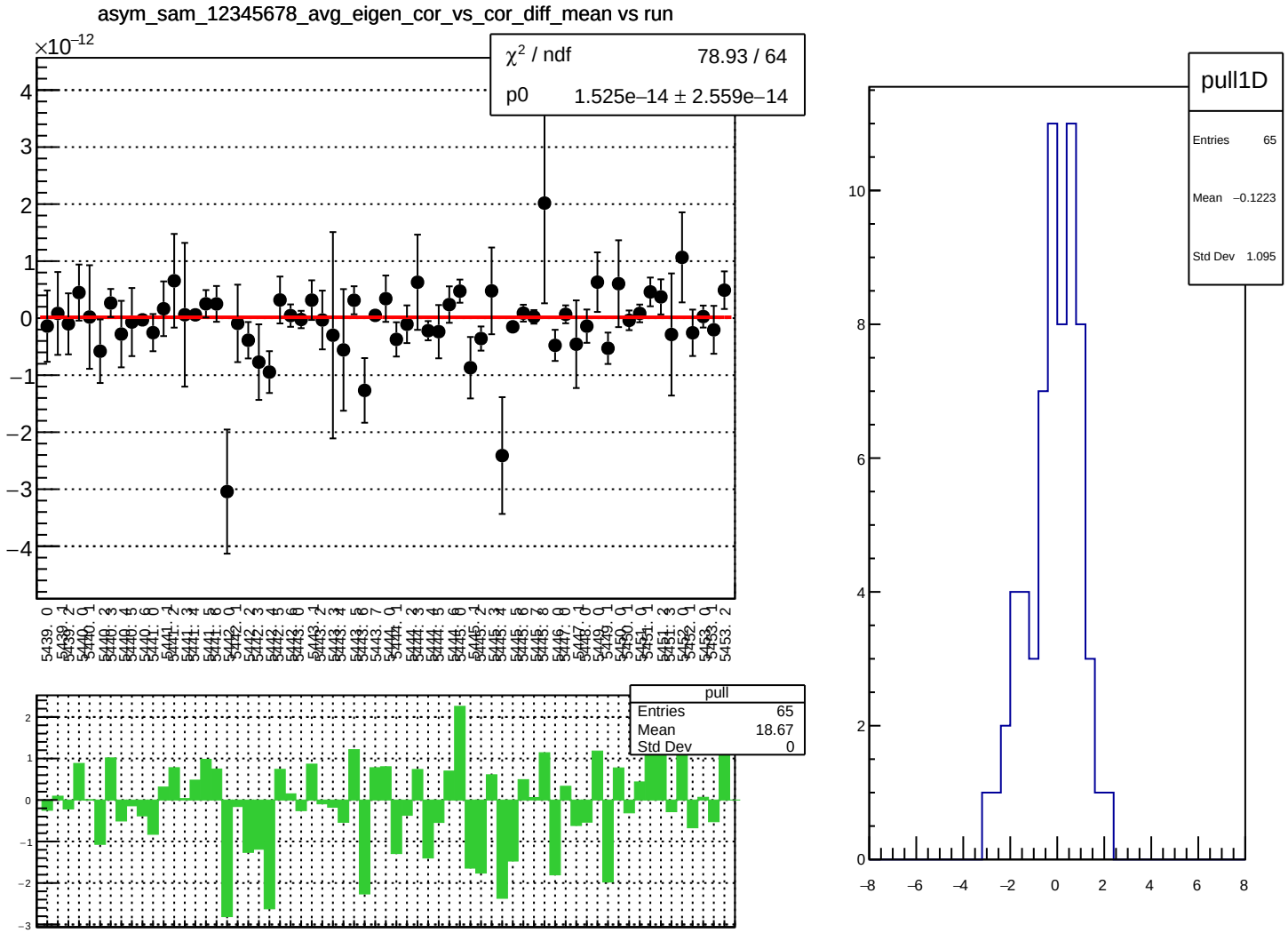

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.82 / 64
p0 0.06077 ± 0.05674
pull
Entries 65
Mean 217.1
Std Dev 0
pull1D
Entries 65
Mean 0.01194
Std Dev 1.044

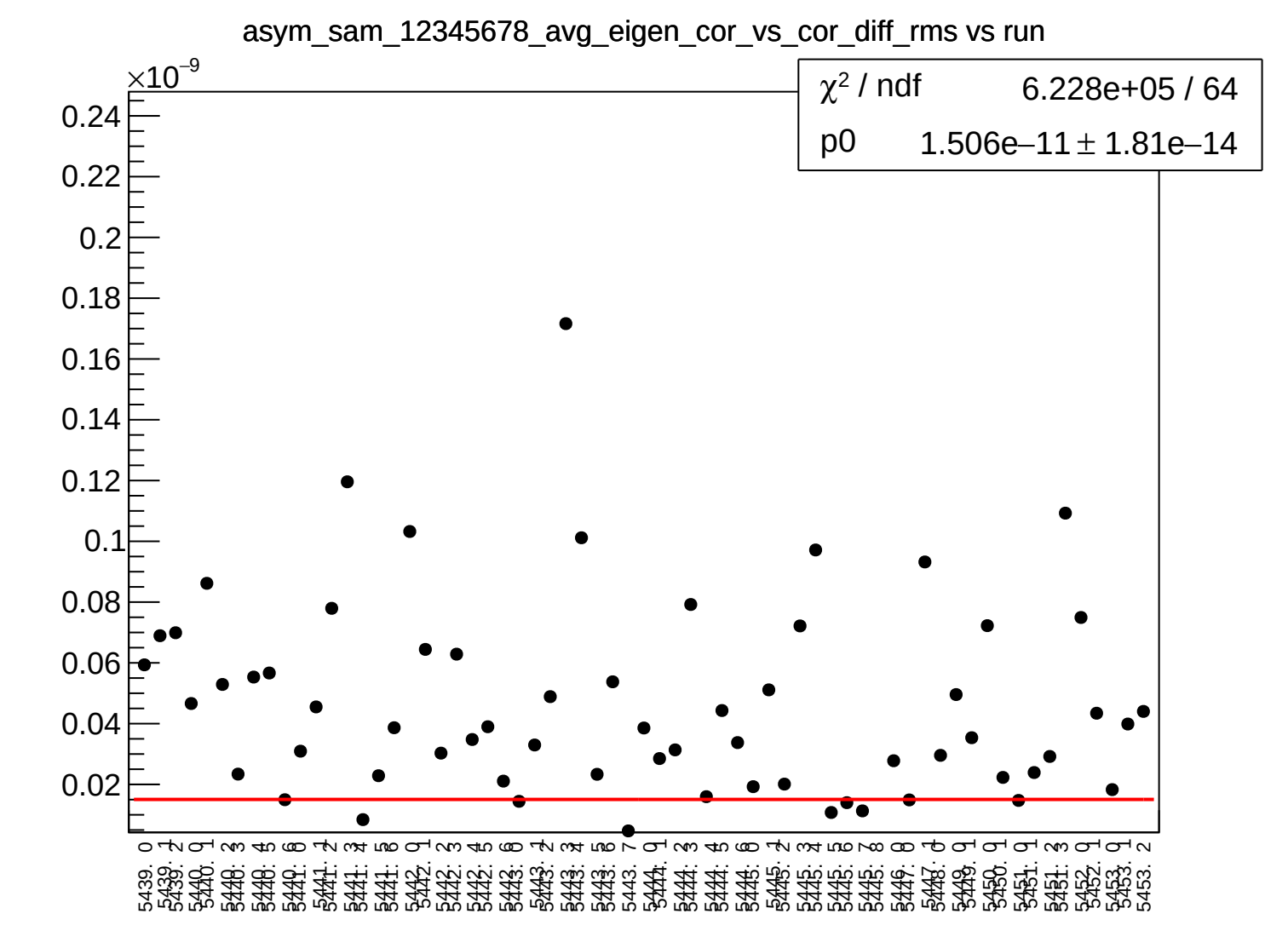

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.336e+05 / 64
p0 43.62 ± 0.04012
300
250
200
150
100
50

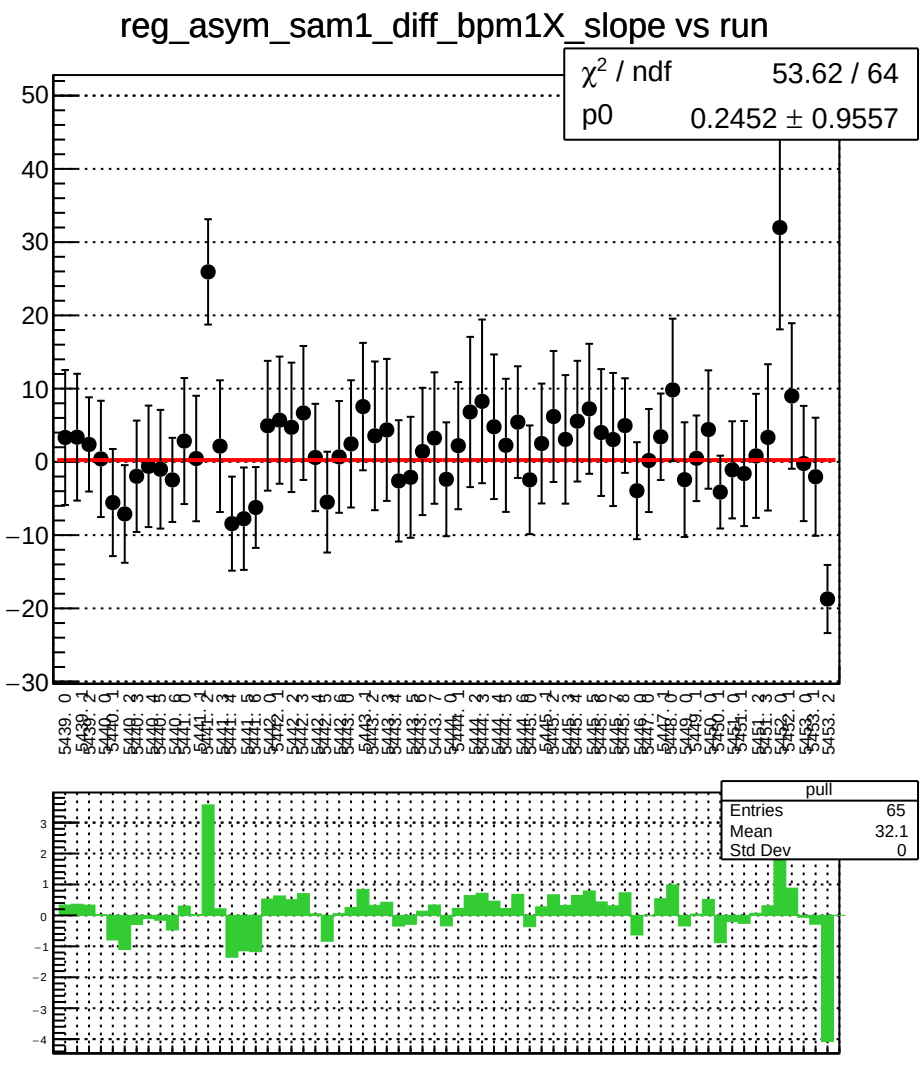

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.82 / 64
p0 0.06077 ± 0.05674
pull
Entries 65
Mean 217.1
Std Dev 0

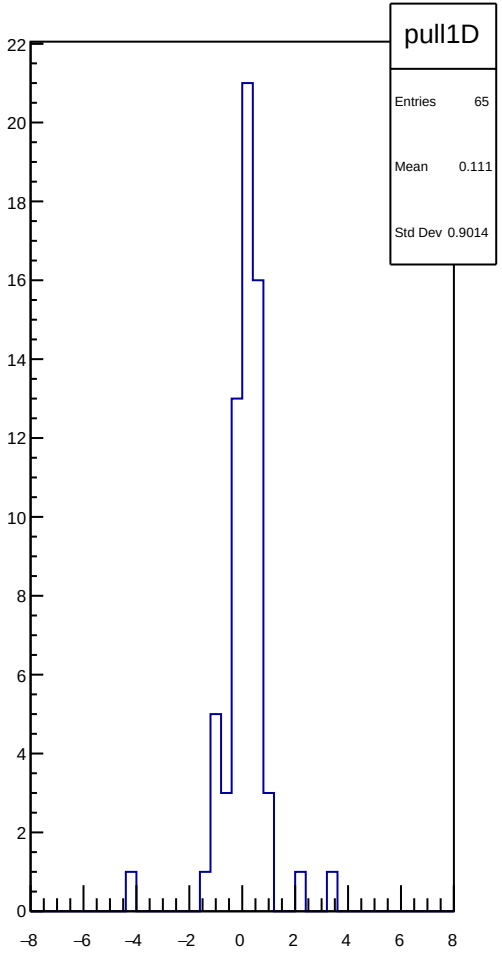

pull1D
Entries 65
Mean 0.01194
Std Dev 1.044

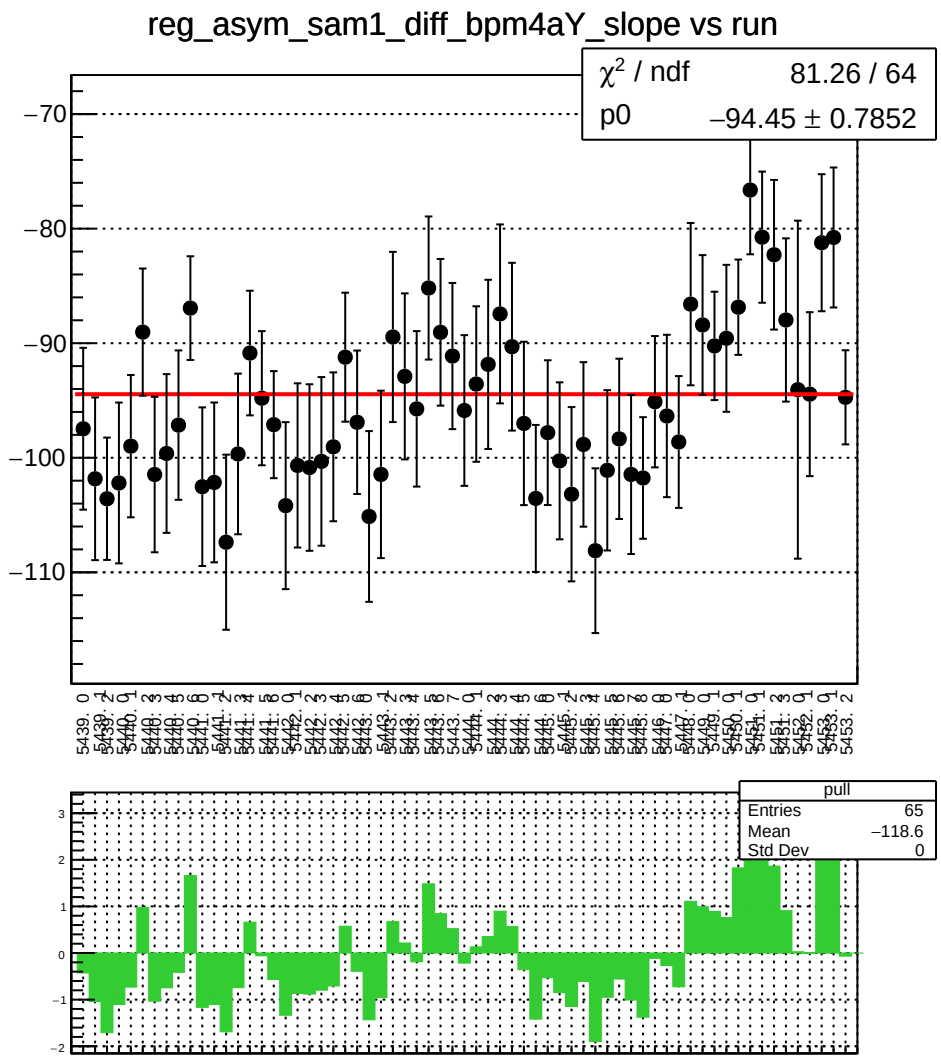

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.336e+05 / 64
p0 43.62 ± 0.04012
300
250
200
150
100
50

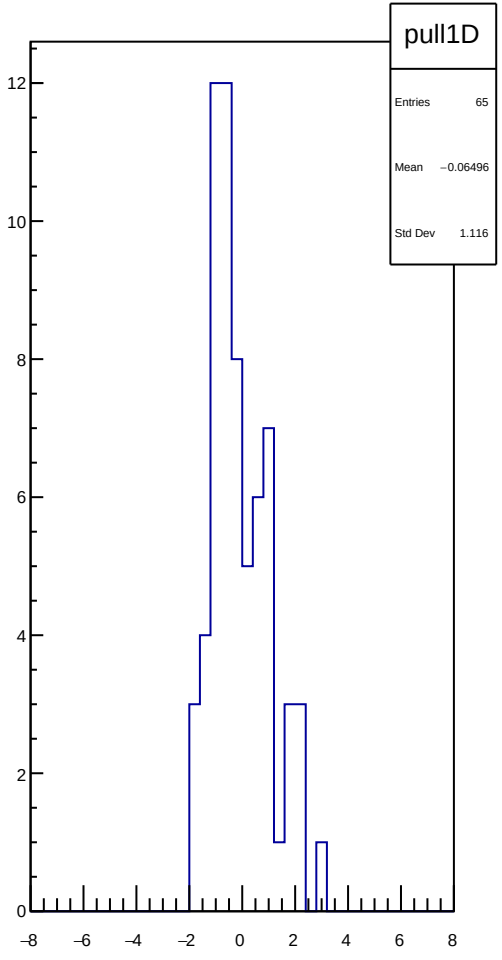

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.93 / 64
p0 1.525e−14 ± 2.559e−14
pull
Entries 65
Mean 18.67
Std Dev 0
pull1D
Entries 65
Mean −0.1223
Std Dev 1.095

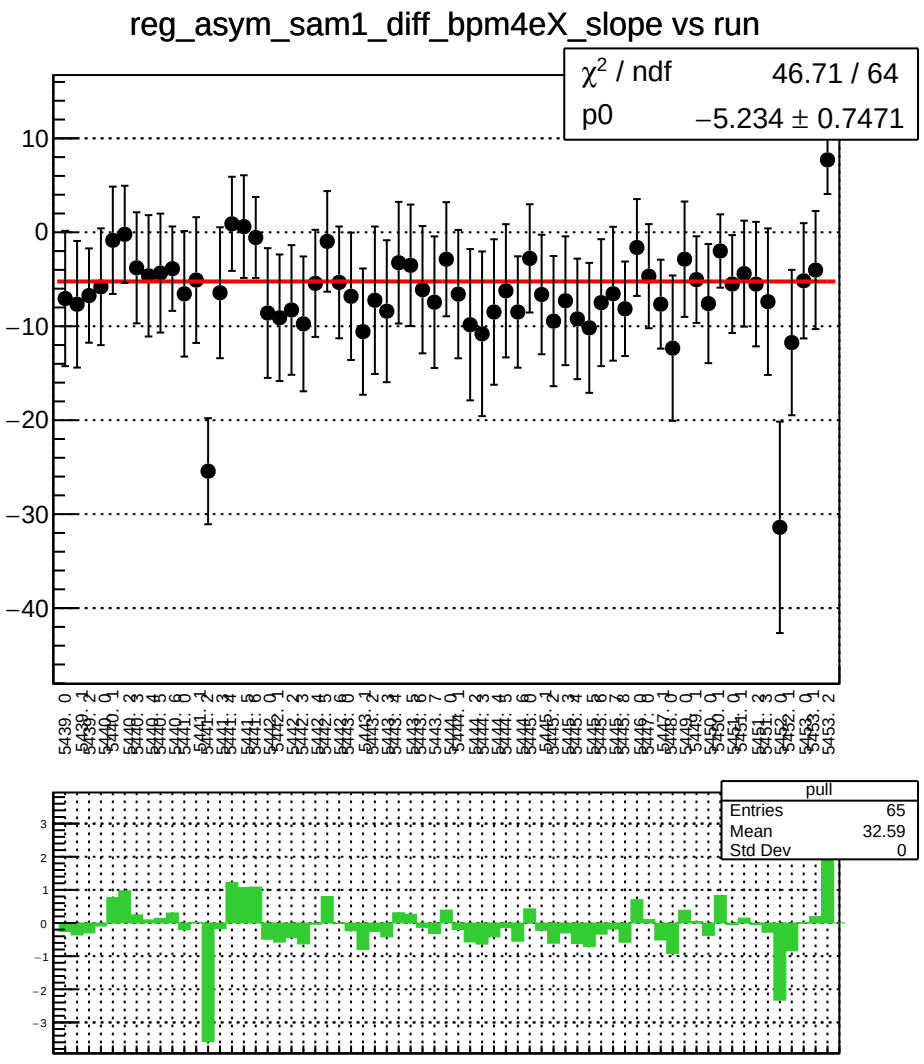

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.228e+05 / 64
p0 1.506e−11 ± 1.81e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

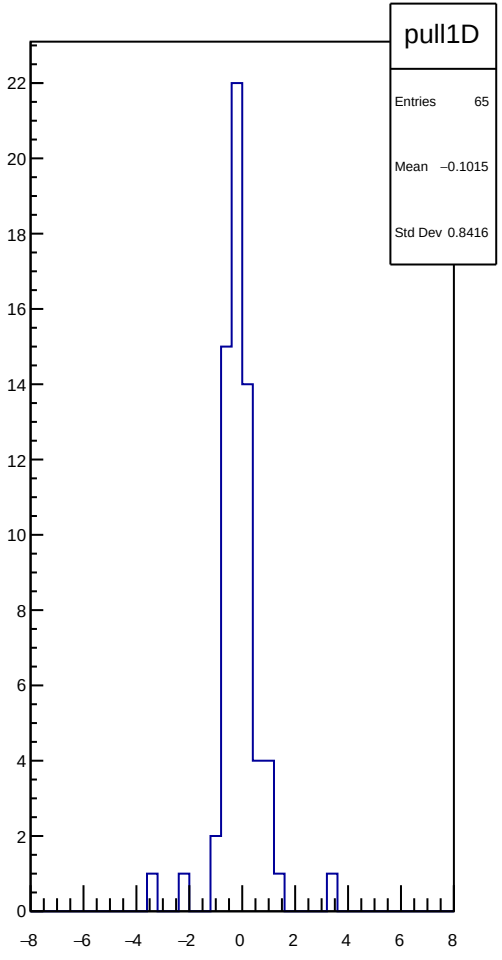

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 53.62 / 64
p0 0.2452 ± 0.9557
pull
Entries 65
Mean 32.1
Std Dev 0

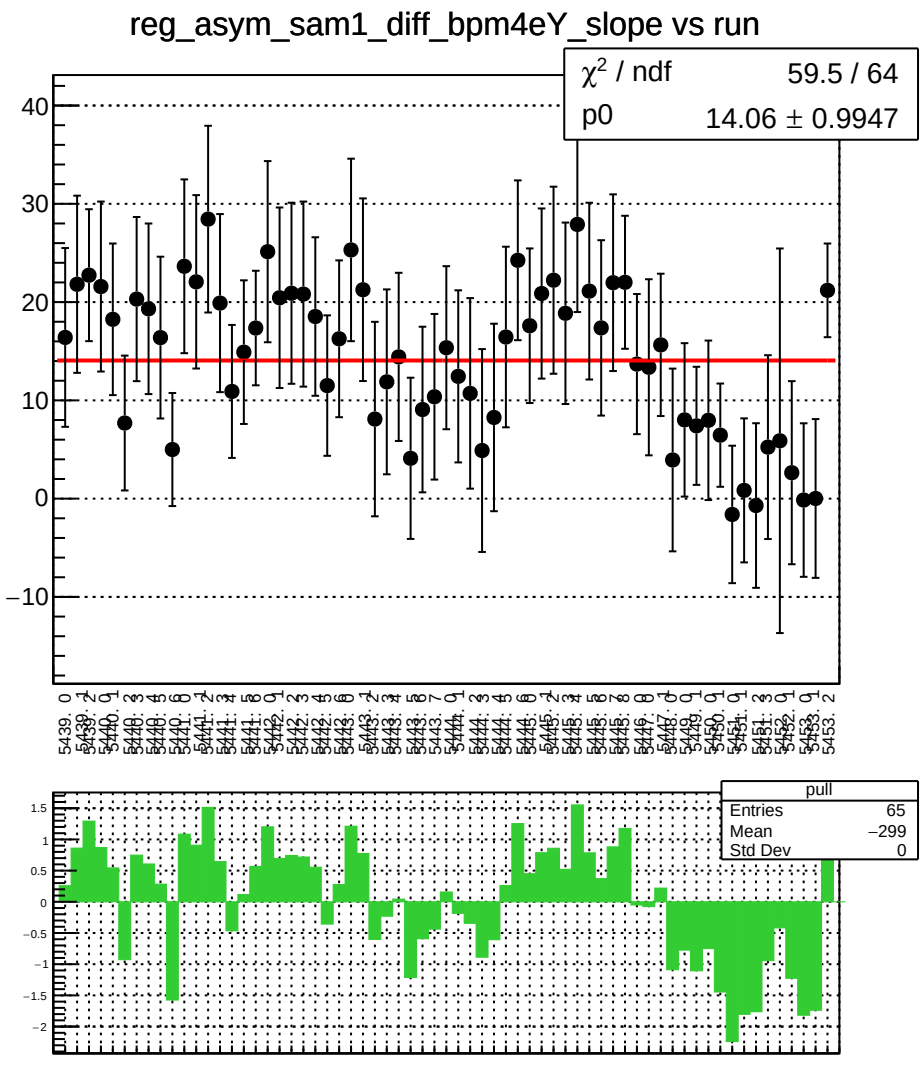

pull1D
Entries 65
Mean 0.111
Std Dev 0.9014

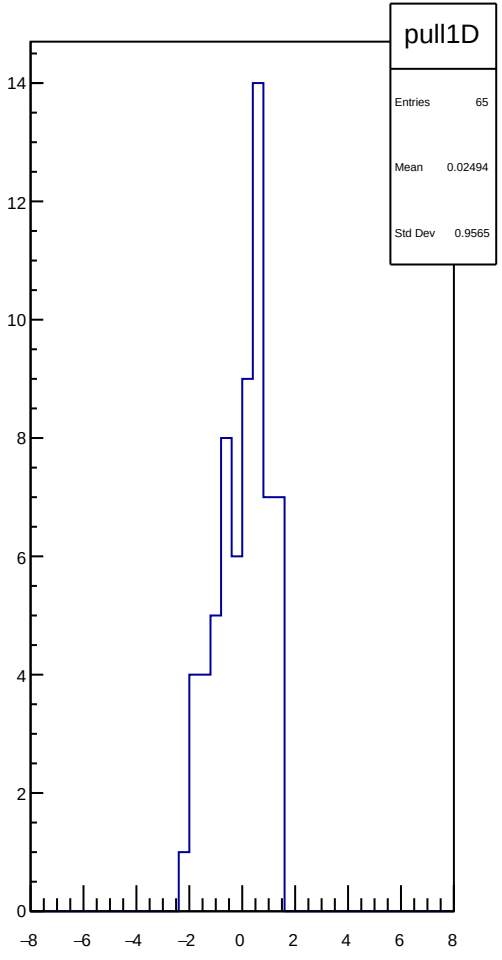

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 81.26 / 64
p0 −94.45 ± 0.7852
pull
Entries 65
Mean −118.6
Std Dev 0

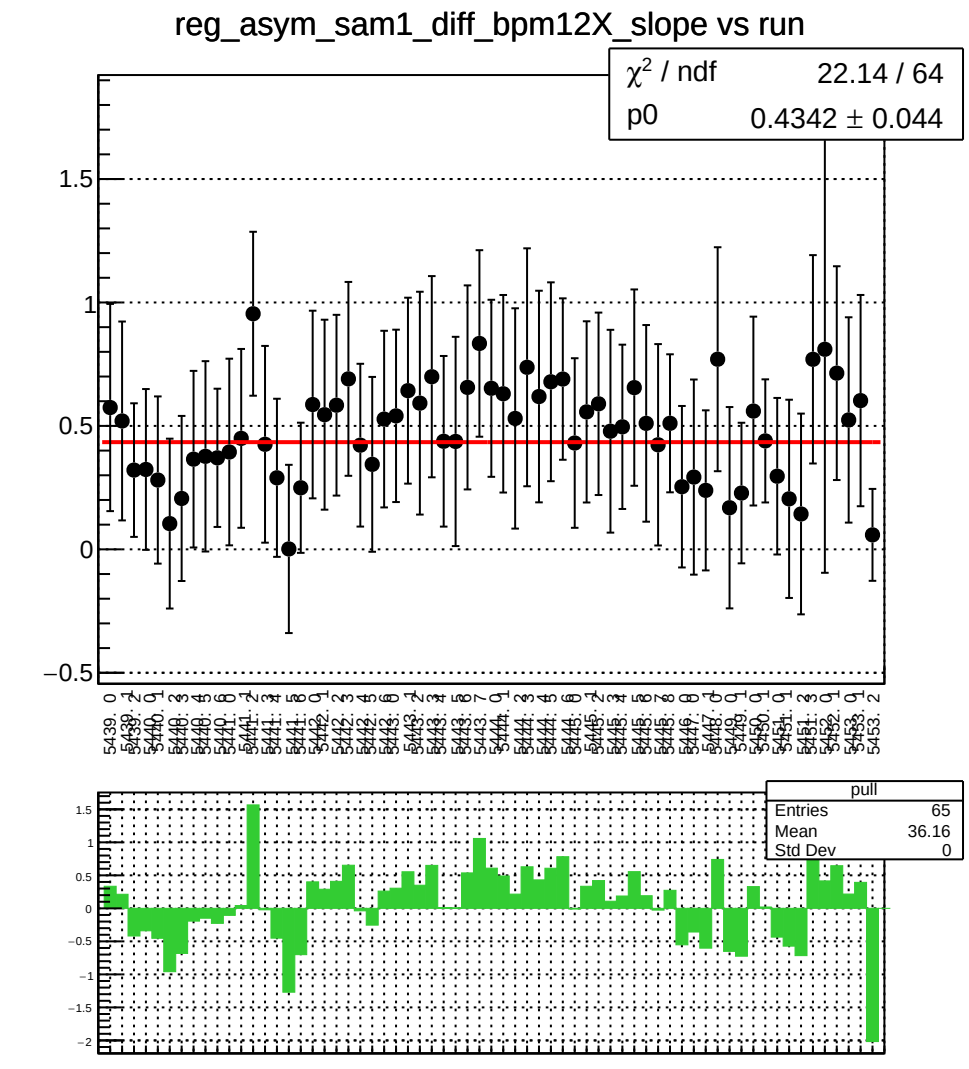

pull1D
Entries 65
Mean −0.06496
Std Dev 1.116

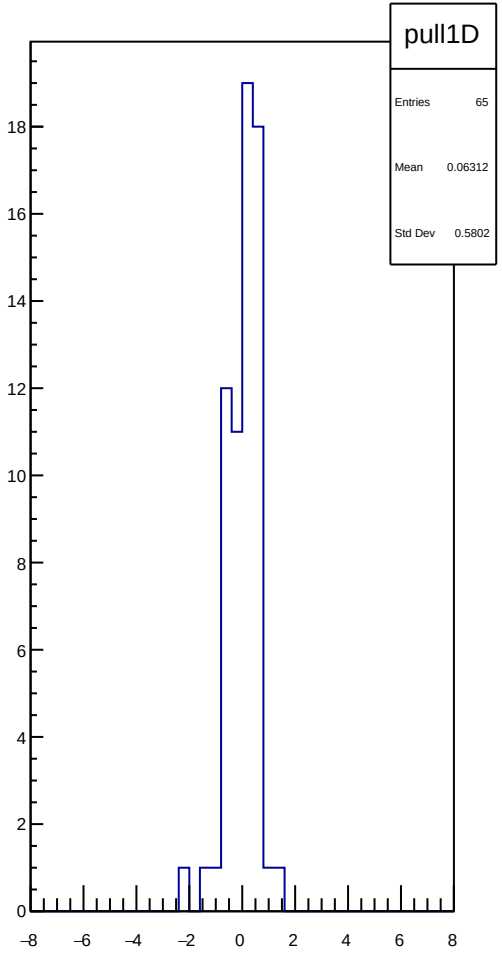

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 46.71 / 64
p0 −5.234 ± 0.7471
pull
Entries 65
Mean 32.59
Std Dev 0

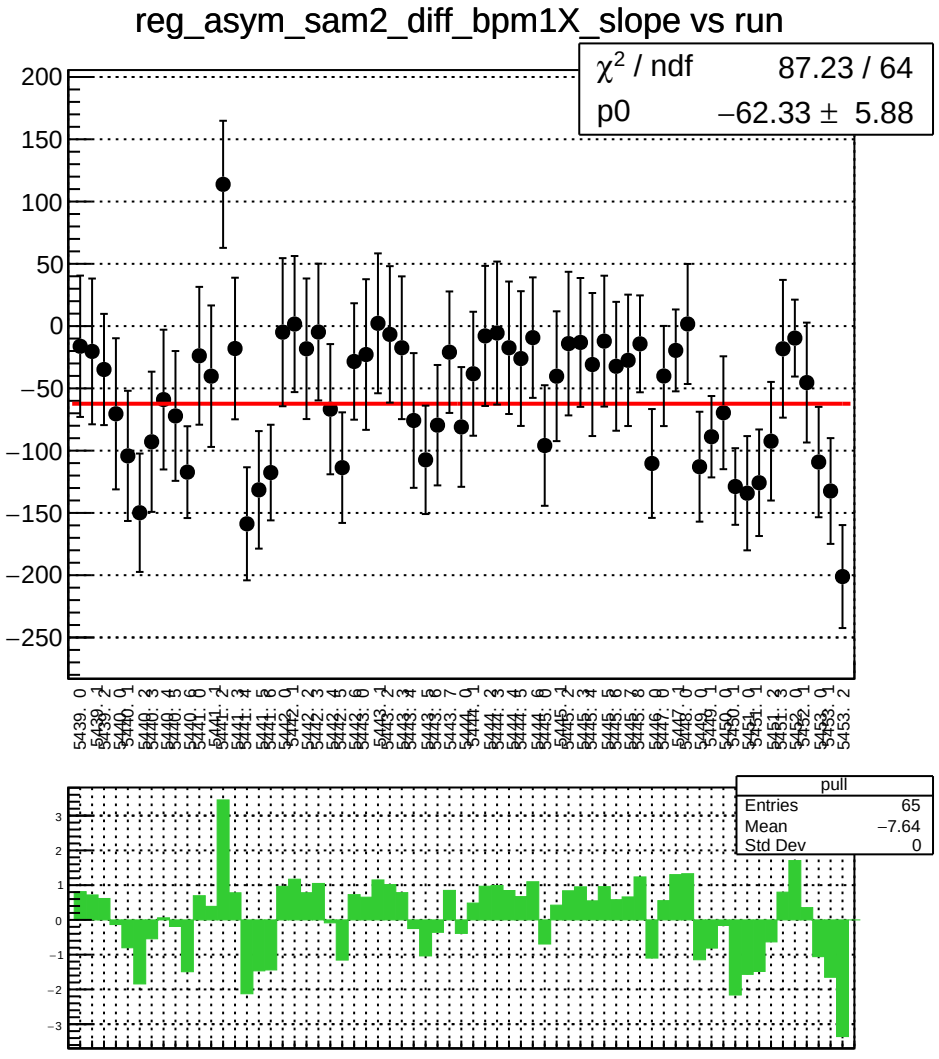

pull1D
Entries 65
Mean −0.1015
Std Dev 0.8416

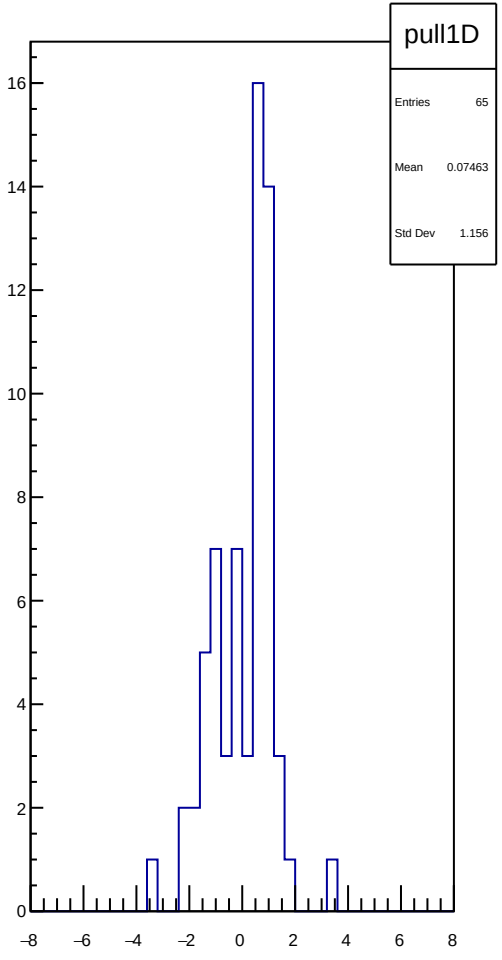

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 59.5 / 64
p0 14.06 ± 0.9947
pull
Entries 65
Mean −299
Std Dev 0

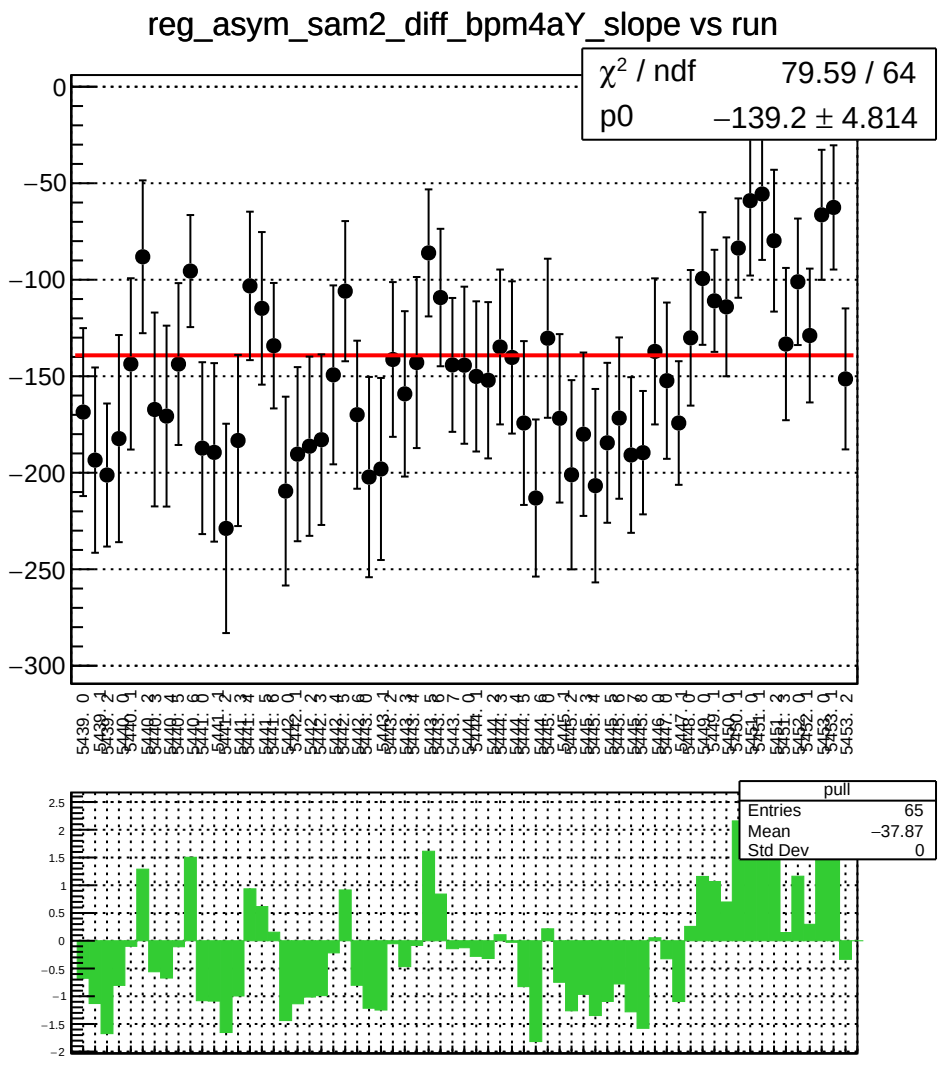

pull1D
Entries 65
Mean 0.02494
Std Dev 0.9565

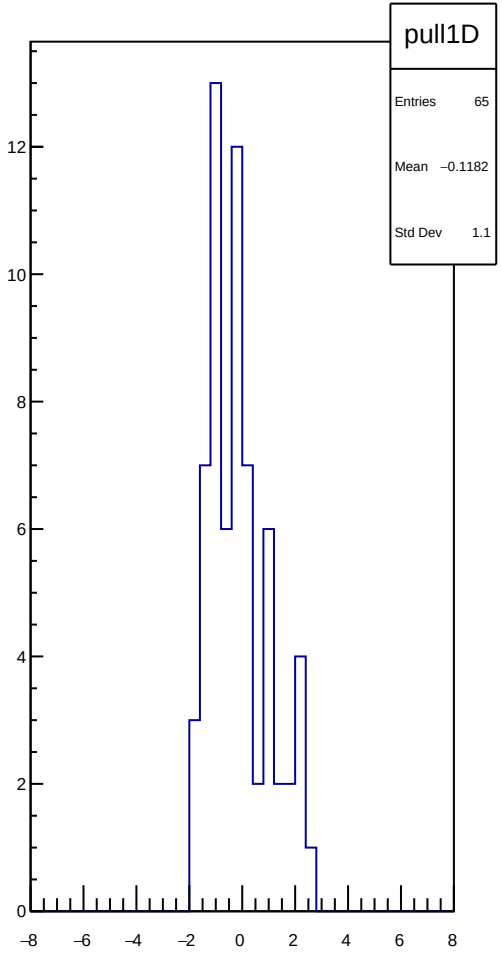

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 22.14 / 64
p0 0.4342 ± 0.044
pull
Entries 65
Mean 36.16
Std Dev 0

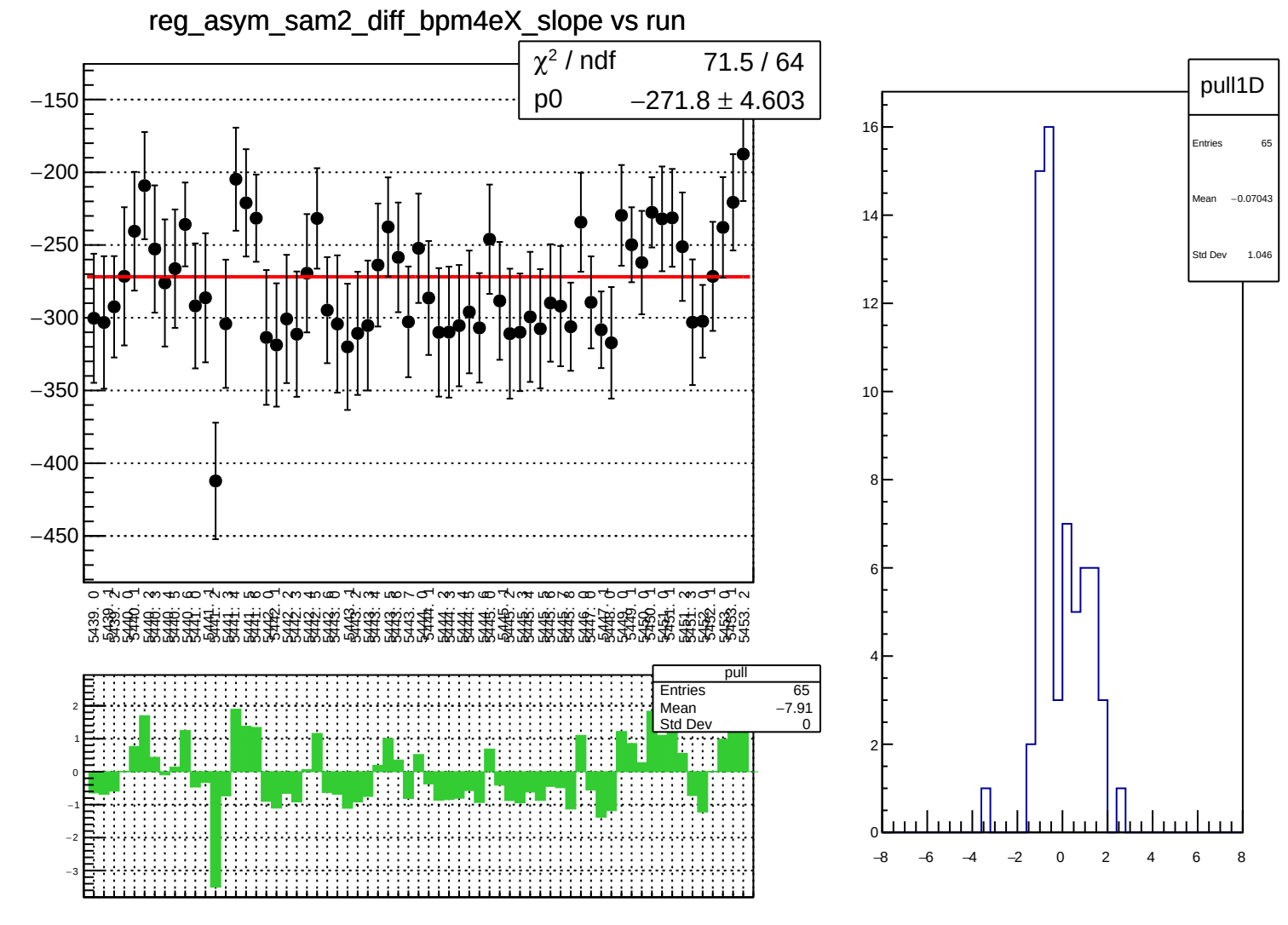

pull1D
Entries 65
Mean 0.06312
Std Dev 0.5802

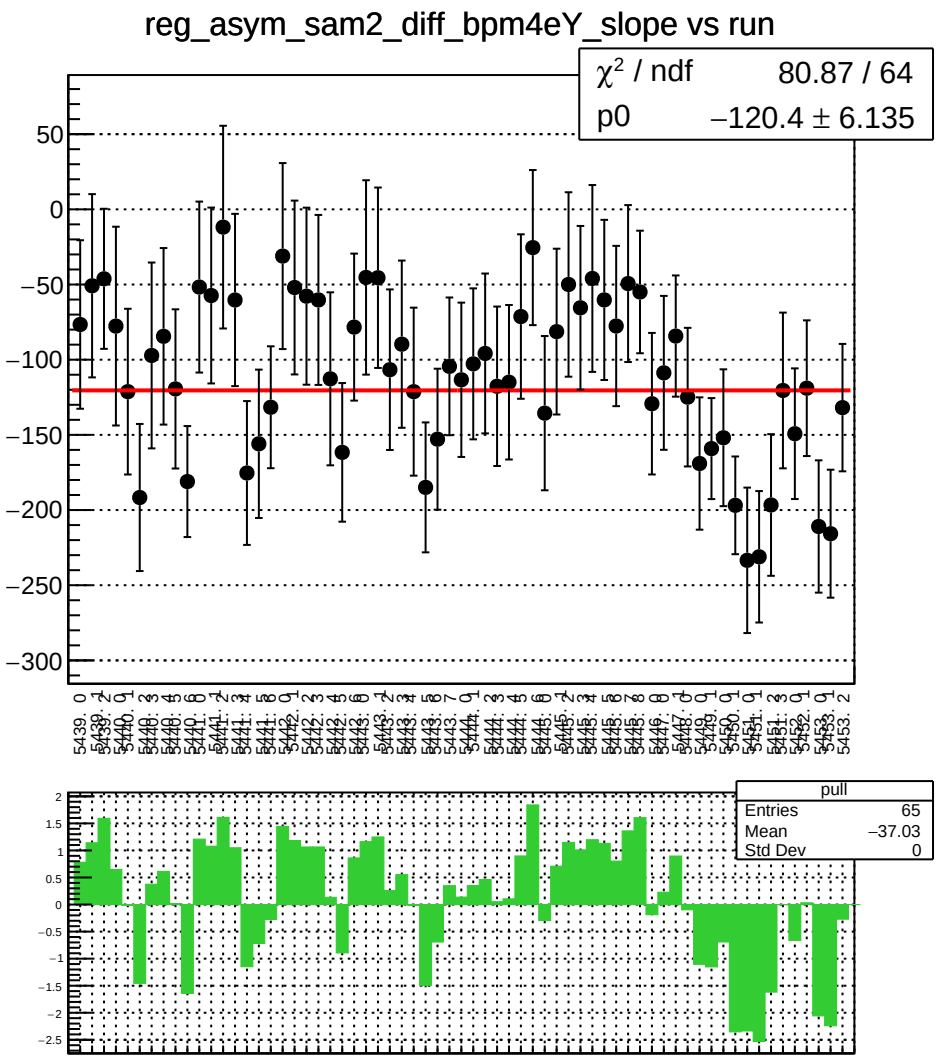

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 87.23 / 64
p0 −62.33 ± 5.88
pull
Entries 65
Mean −7.64
Std Dev 0

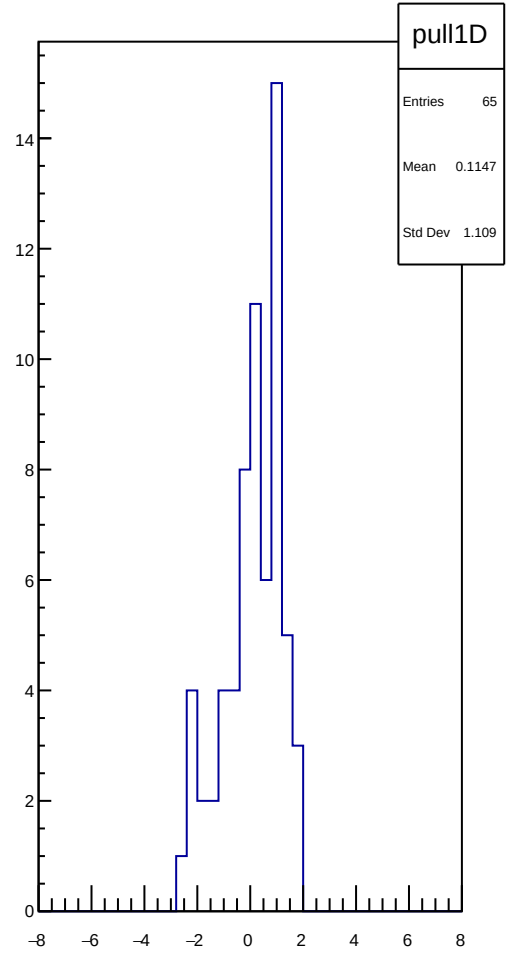

pull1D
Entries 65
Mean 0.07463
Std Dev 1.156

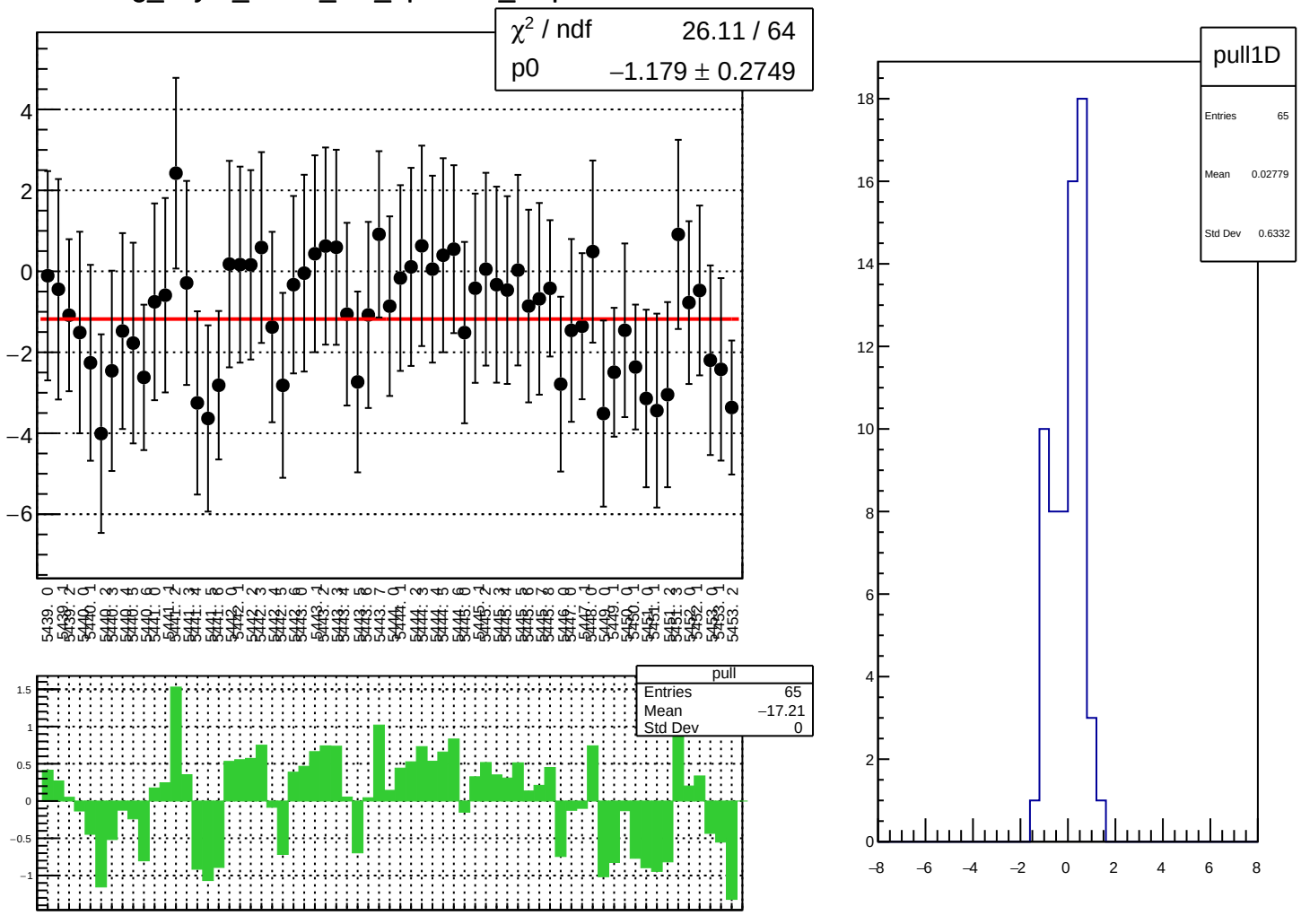

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 79.59 / 64
p0 −139.2 ± 4.814
pull
Entries 65
Mean −37.87
Std Dev 0

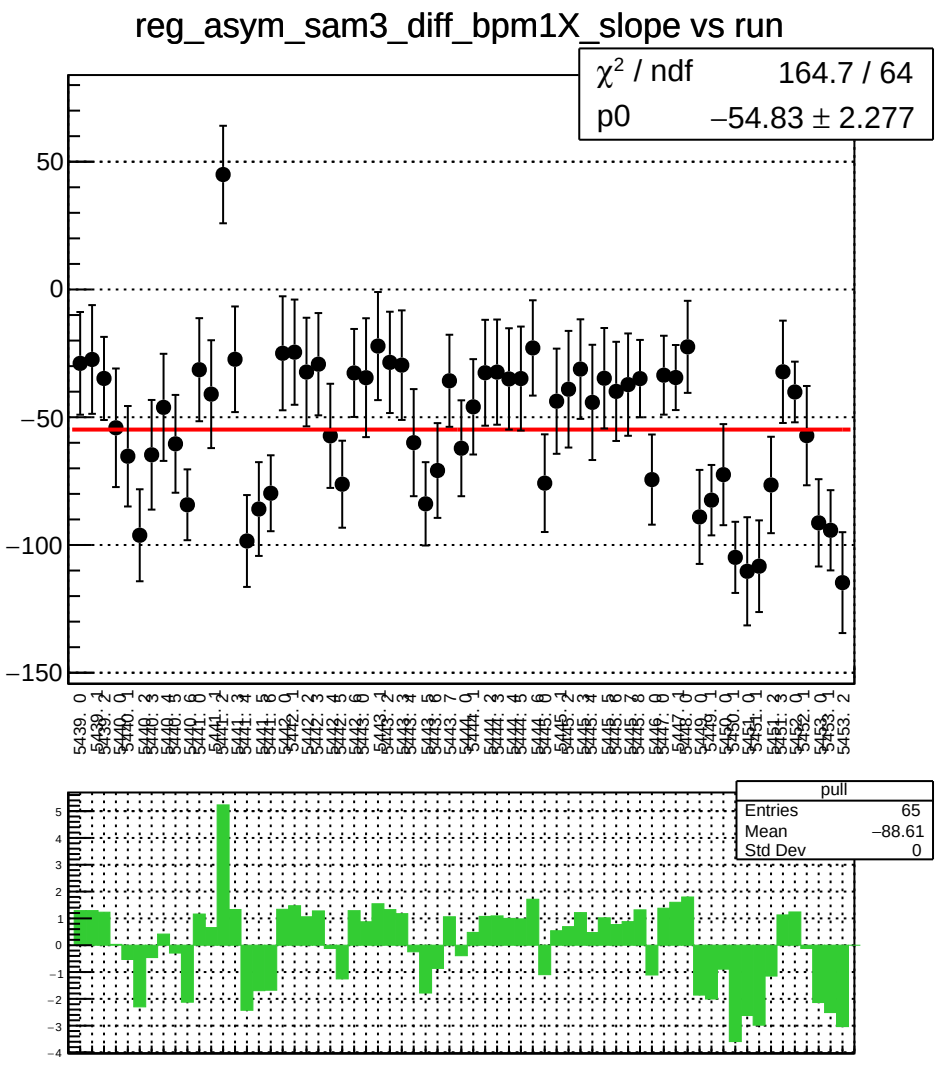

pull1D
Entries 65
Mean −0.1182
Std Dev 1.1

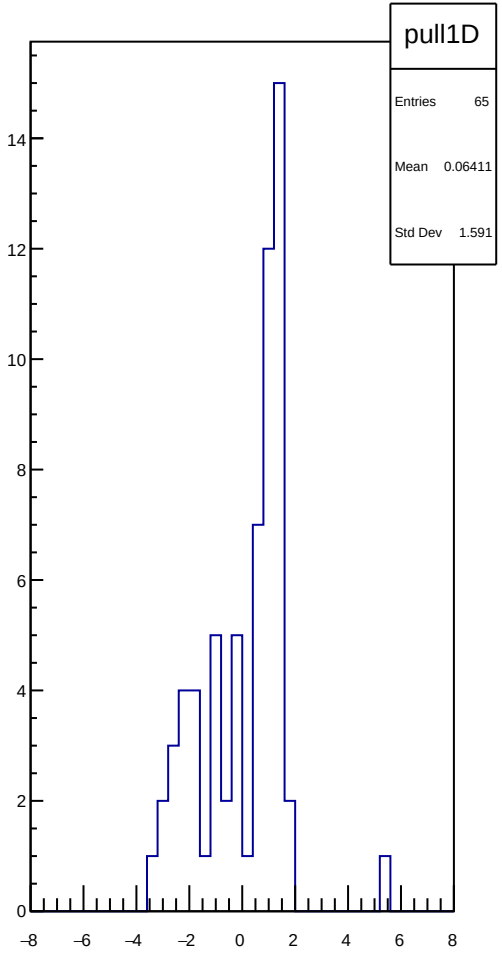

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 71.5 / 64
p0 −271.8 ± 4.603
pull
Entries 65
Mean −7.91
Std Dev 0
pull1D
Entries 65
Mean −0.07043
Std Dev 1.046

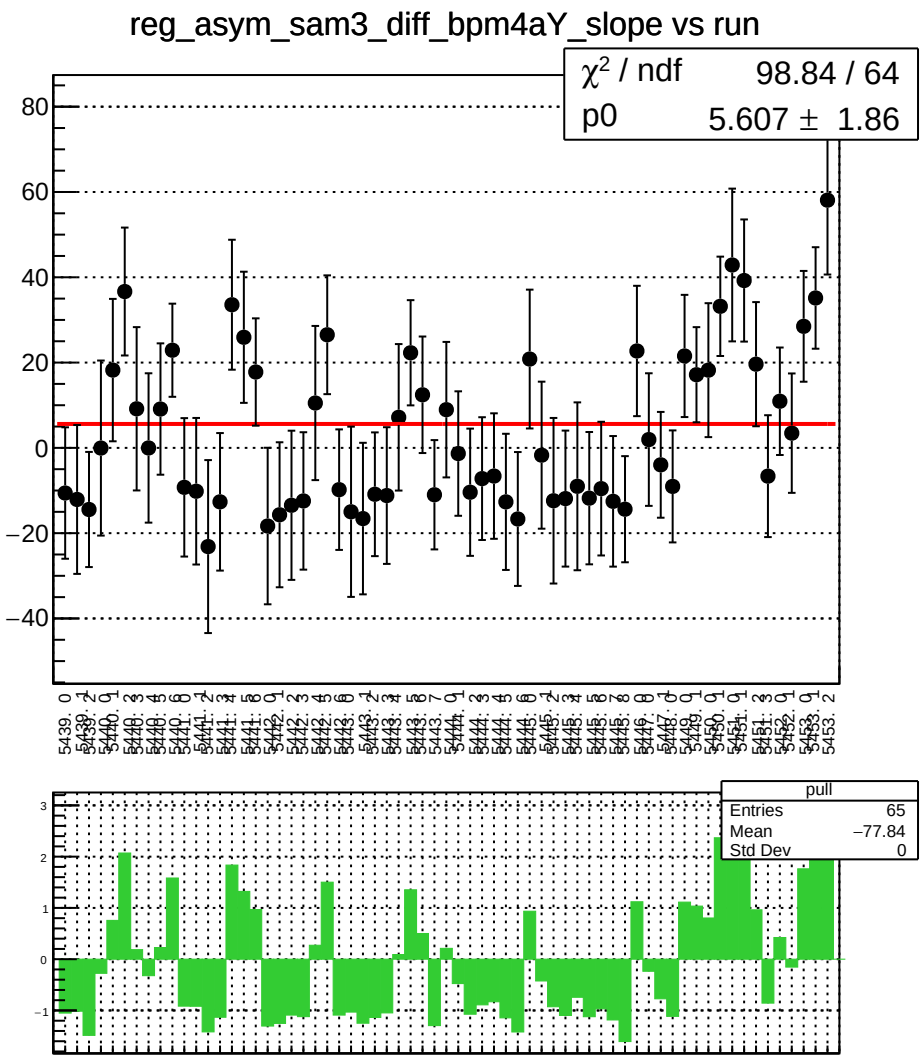

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 80.87 / 64
p0 −120.4 ± 6.135
pull
Entries 65
Mean −37.03
Std Dev 0

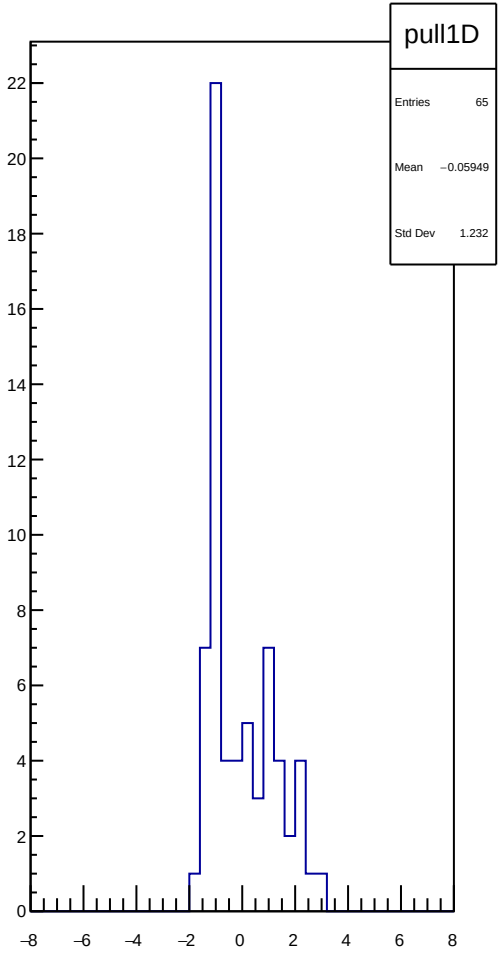

pull1D
Entries 65
Mean 0.1147
Std Dev 1.109

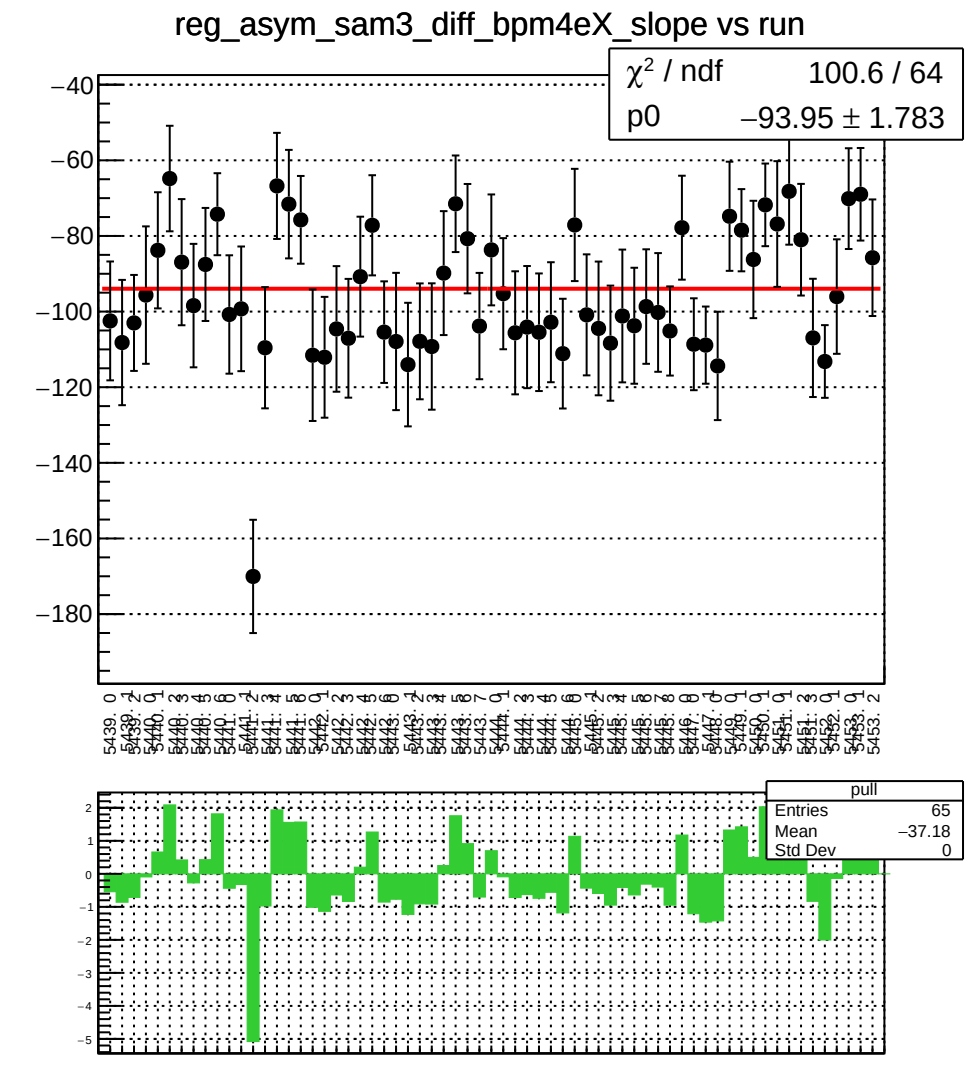

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 26.11 / 64
p0 −1.179 ± 0.2749
pull
Entries 65
Mean −17.21
Std Dev 0
pull1D
Entries 65
Mean 0.02779
Std Dev 0.6332

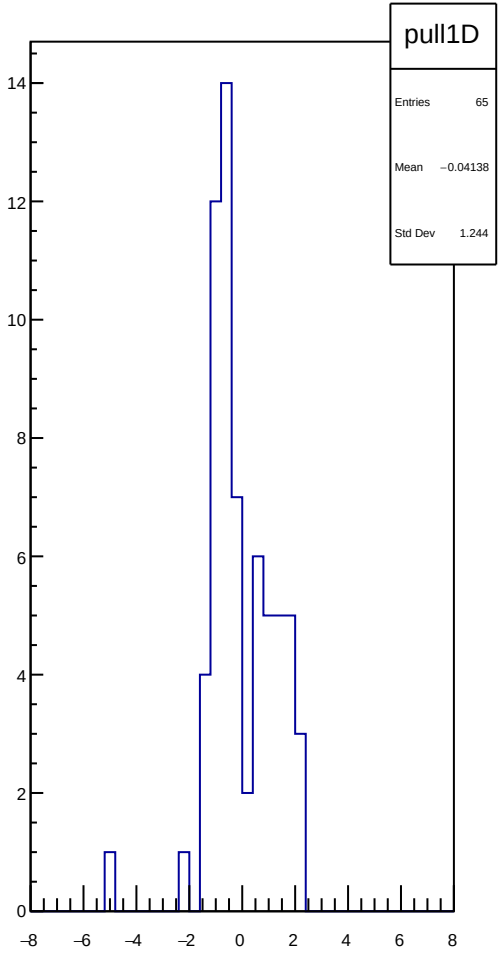

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 164.7 / 64
p0 −54.83 ± 2.277
pull
Entries 65
Mean −88.61
Std Dev 0

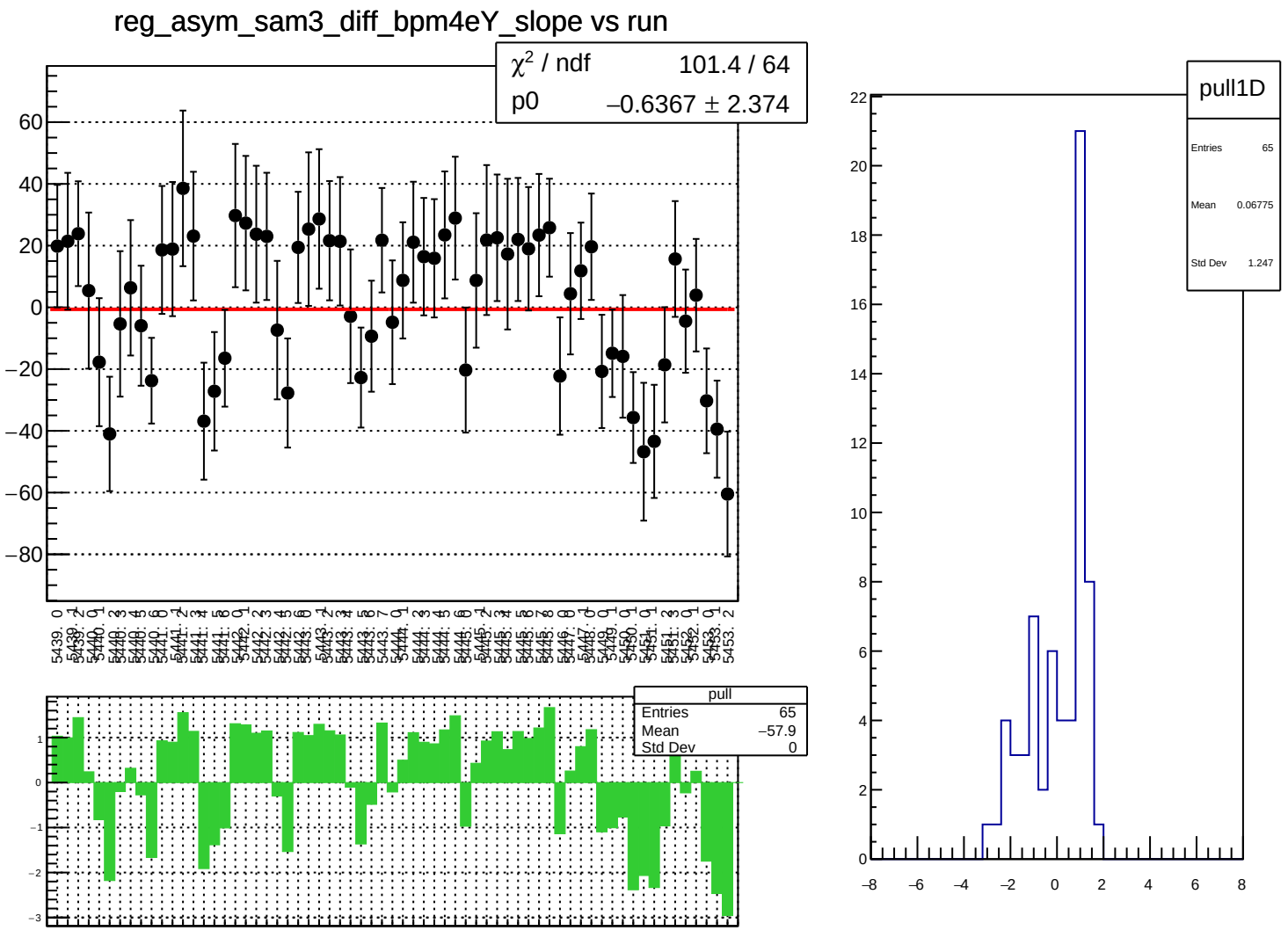

pull1D
Entries 65
Mean 0.06411
Std Dev 1.591

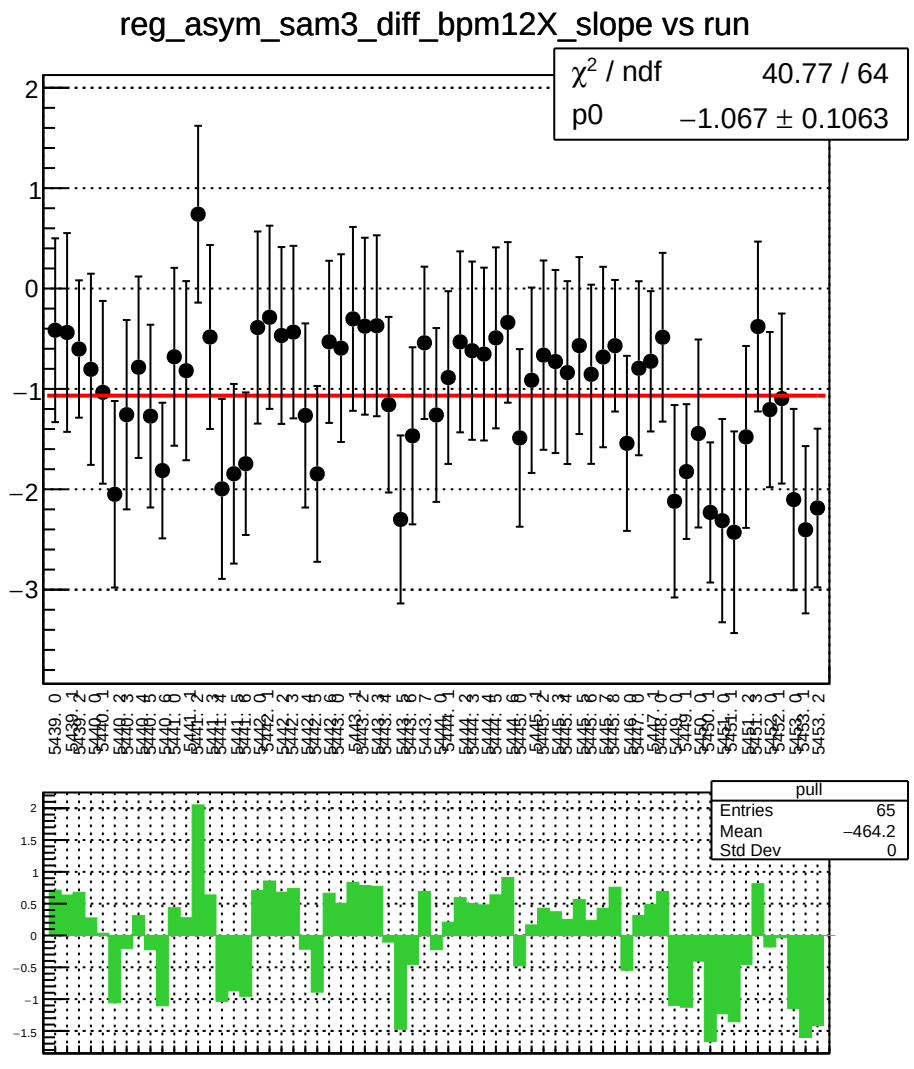

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 98.84 / 64
p0 5.607 ± 1.86
pull
Entries 65
Mean −77.84
Std Dev 0

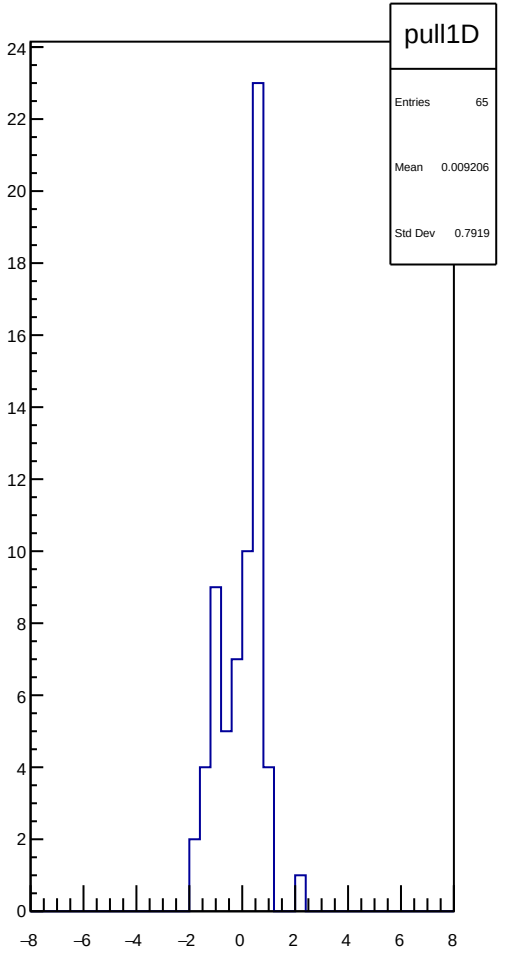

pull1D
Entries 65
Mean −0.05949
Std Dev 1.232

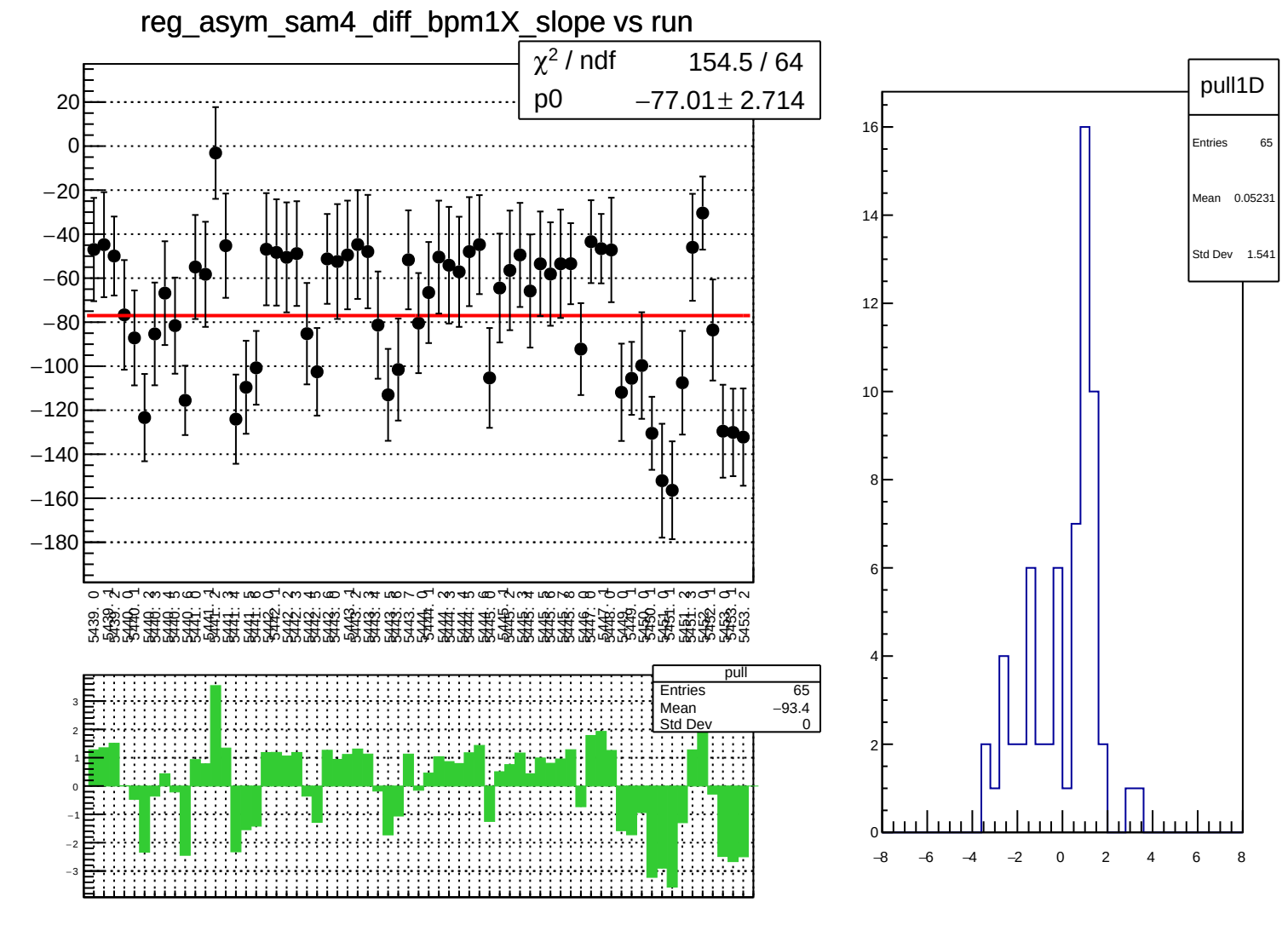

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 100.6 / 64
p0 −93.95 ± 1.783
pull
Entries 65
Mean −37.18
Std Dev 0

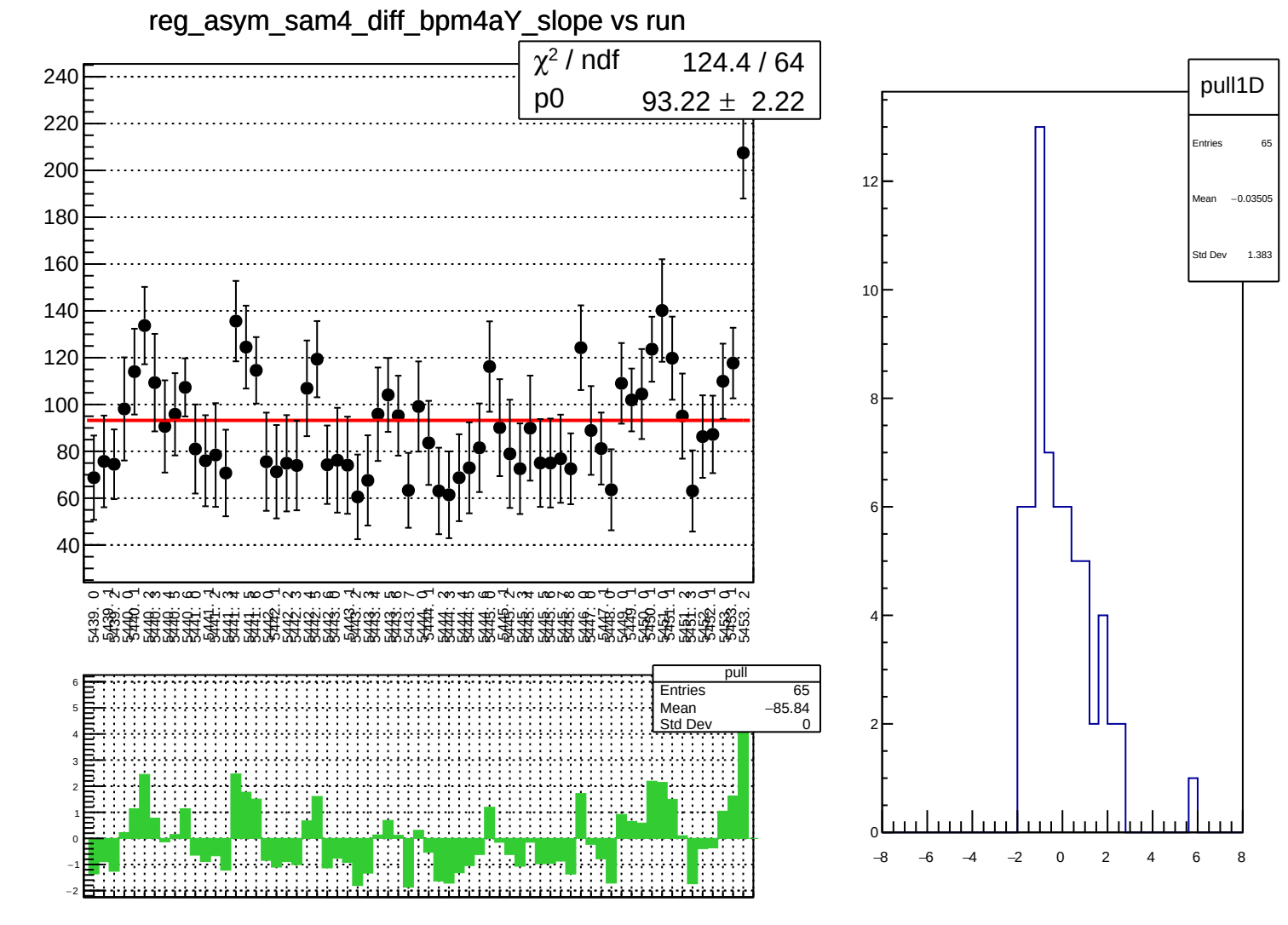

pull1D
Entries 65
Mean −0.04138
Std Dev 1.244

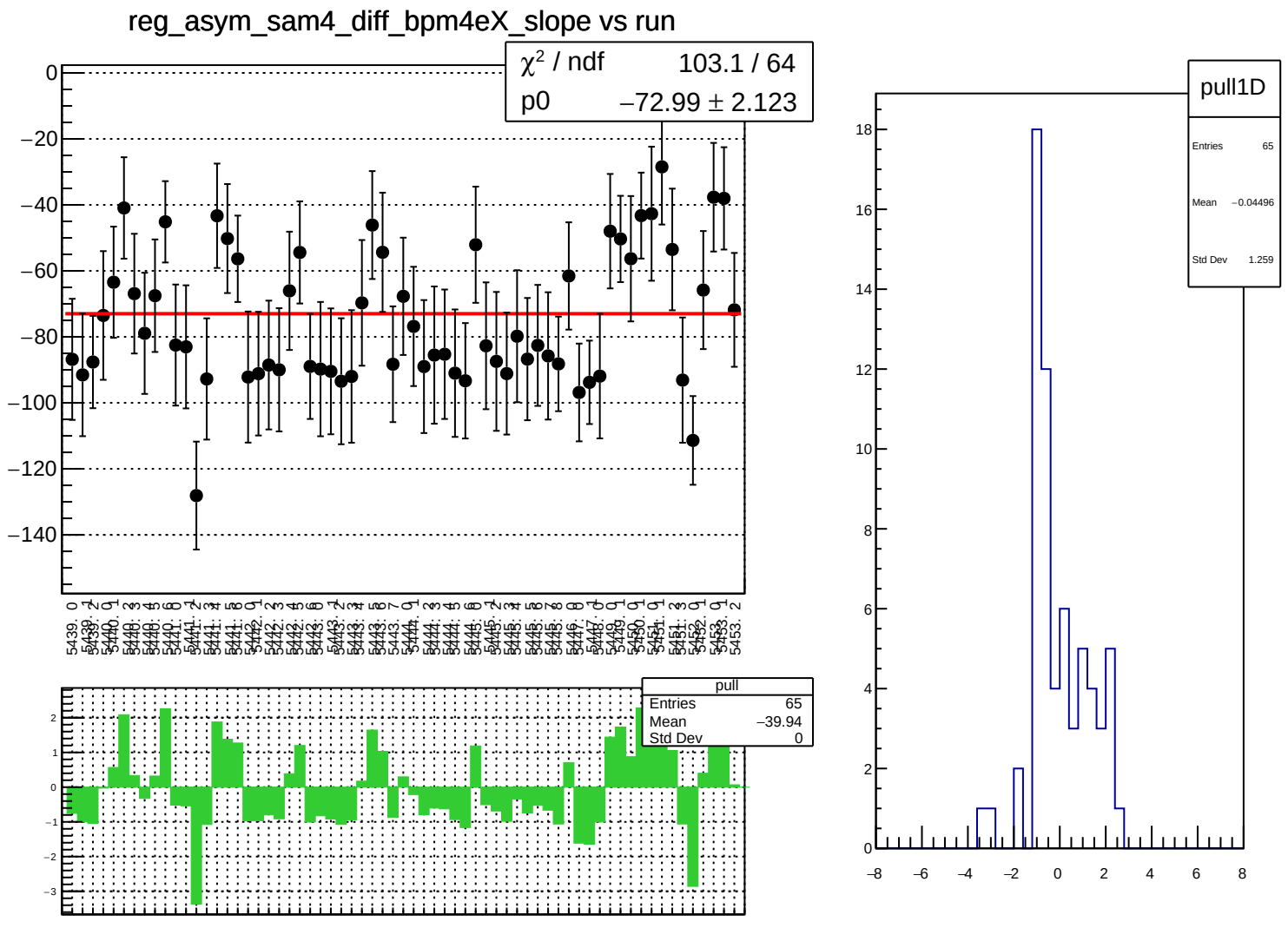

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 101.4 / 64
p0 −0.6367 ± 2.374
pull
Entries 65
Mean −57.9
Std Dev 0
pull1D
Entries 65
Mean 0.06775
Std Dev 1.247

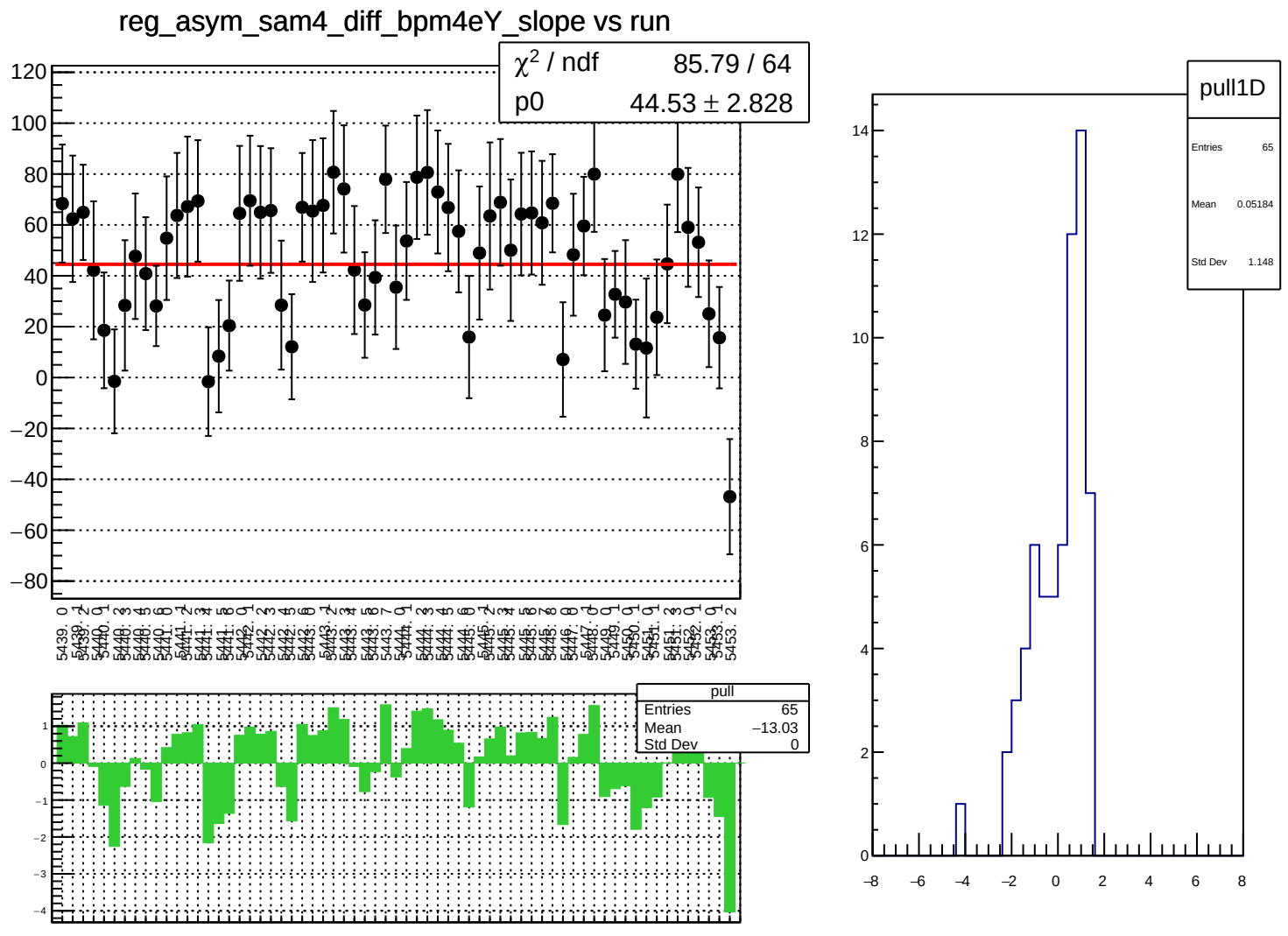

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 40.77 / 64
p0 −1.067 ± 0.1063
pull
Entries 65
Mean −464.2
Std Dev 0

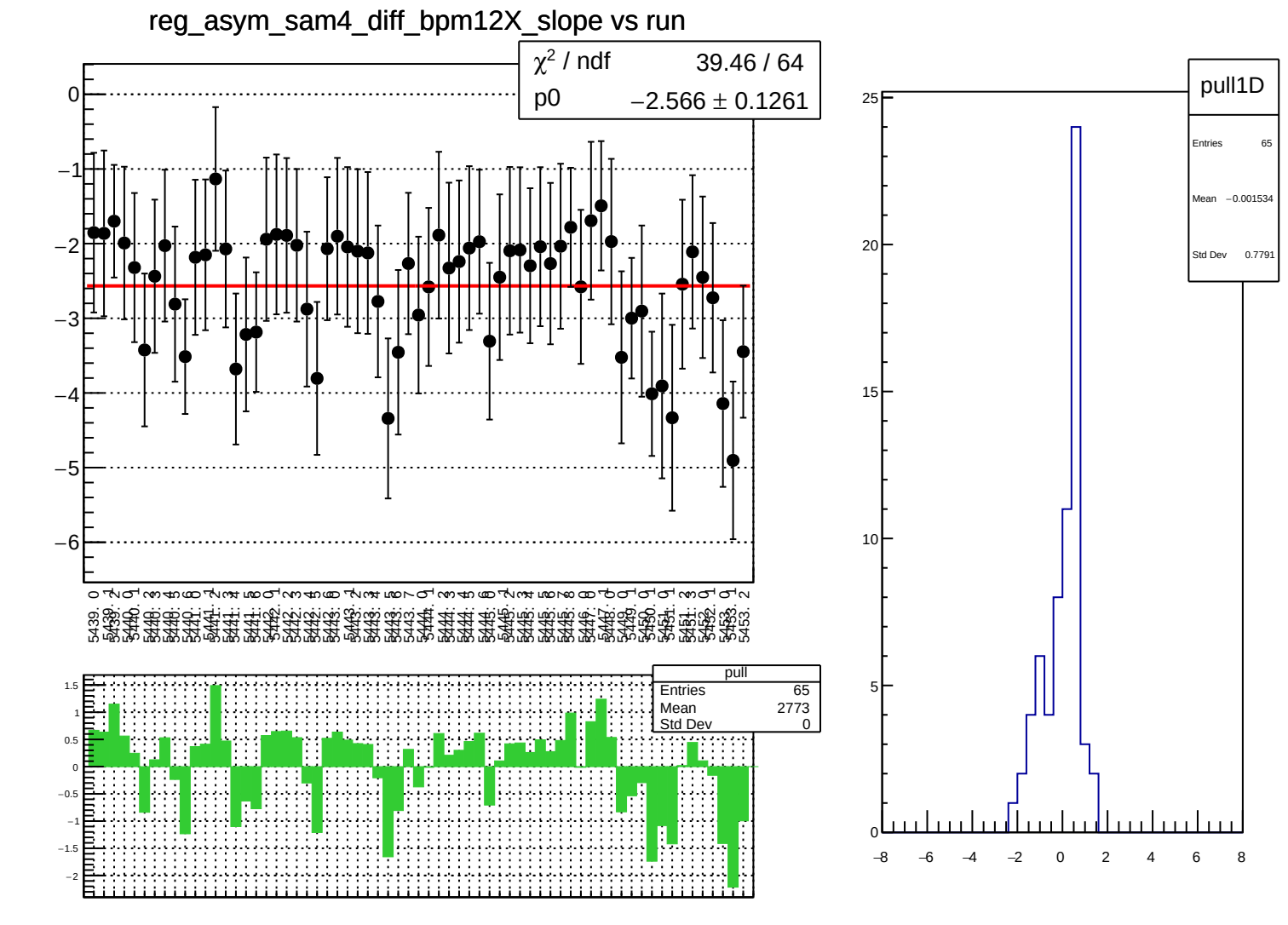

pull1D
Entries 65
Mean 0.009206
Std Dev 0.7919

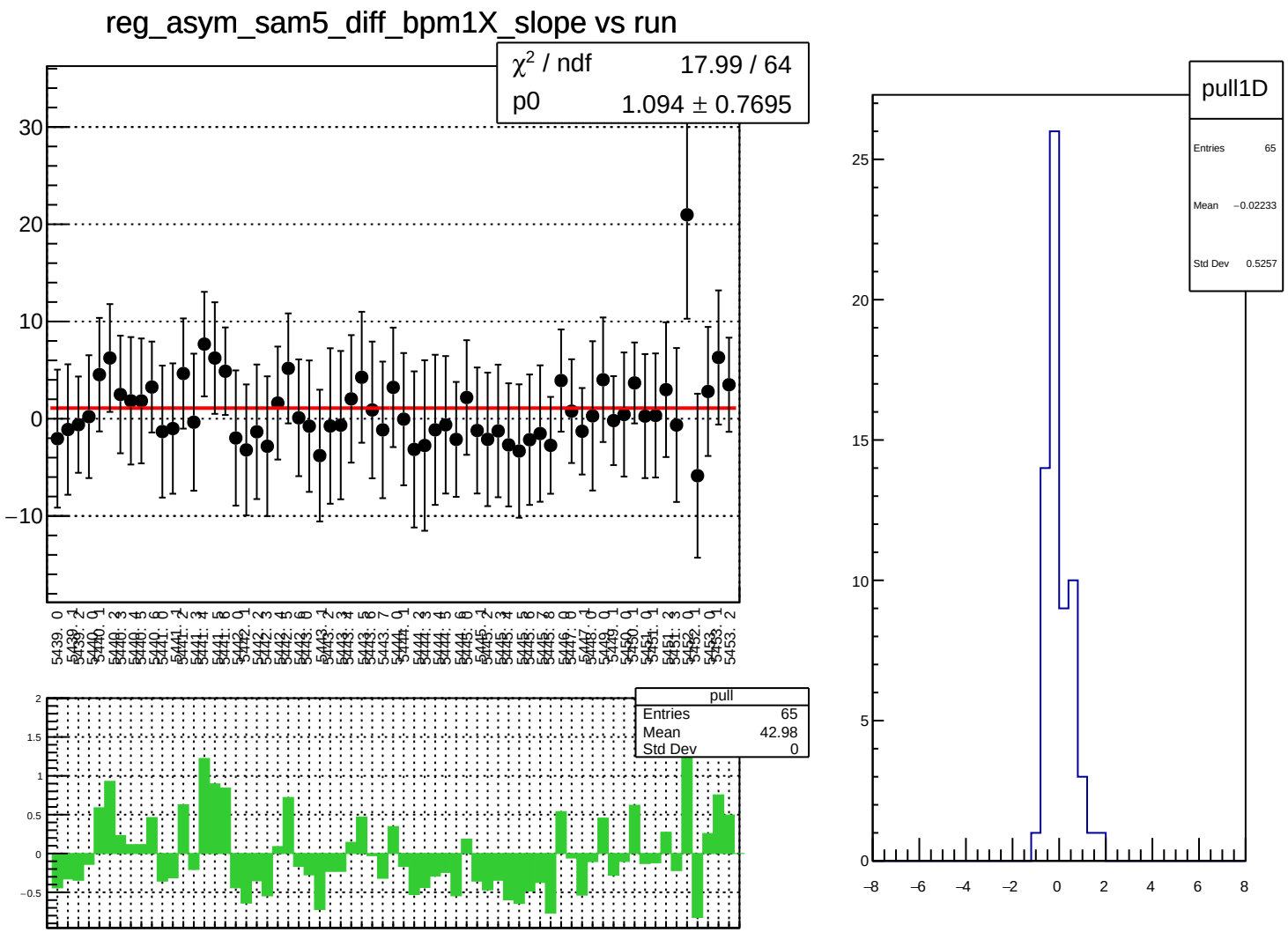

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 154.5 / 64
p0 −77.01± 2.714
pull
Entries 65
Mean −93.4
Std Dev 0
pull1D
Entries 65
Mean 0.05231
Std Dev 1.541

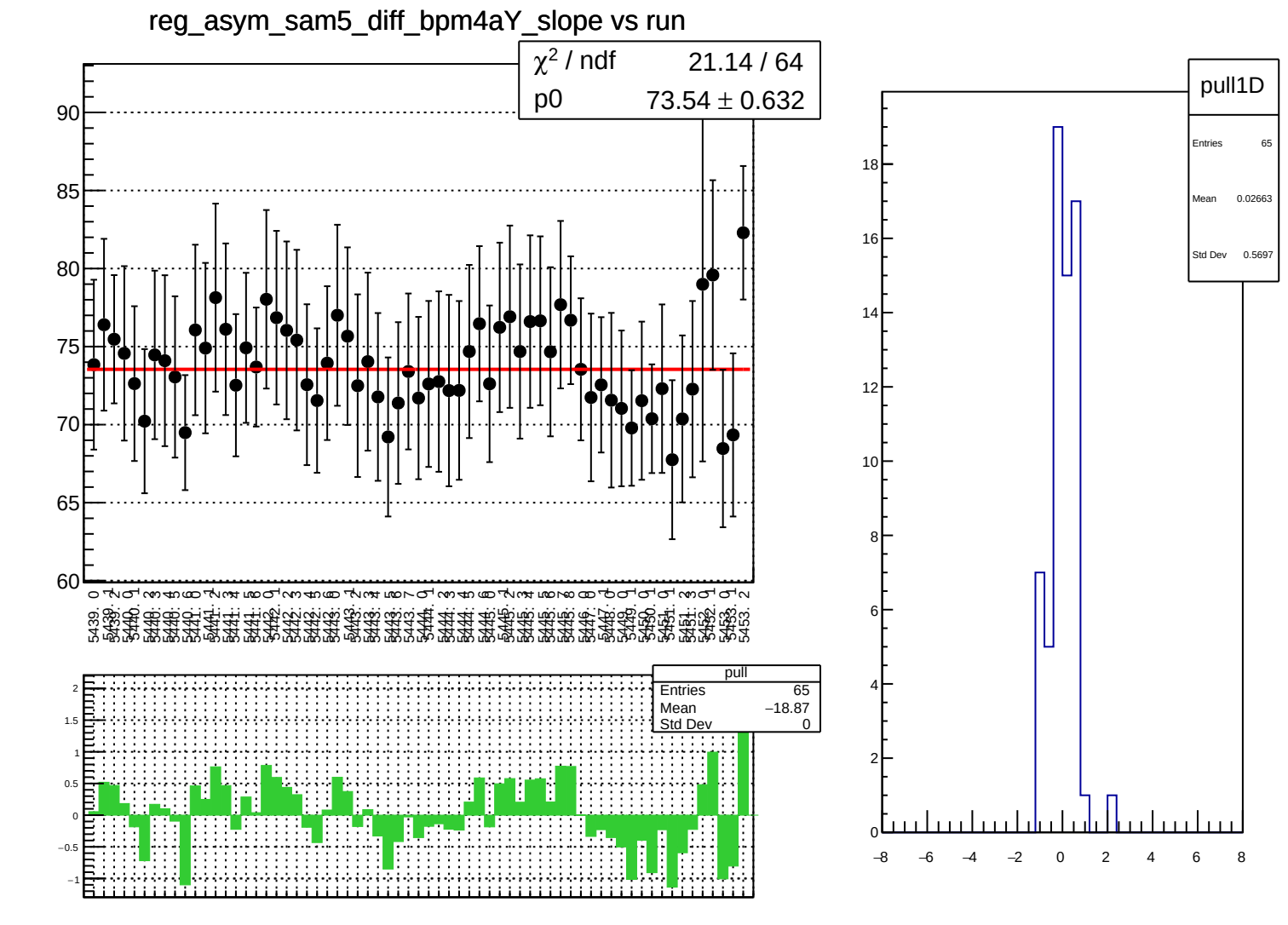

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 124.4 / 64
p0 93.22 ± 2.22
pull
Entries 65
Mean −85.84
Std Dev 0
pull1D
Entries 65
Mean −0.03505
Std Dev 1.383

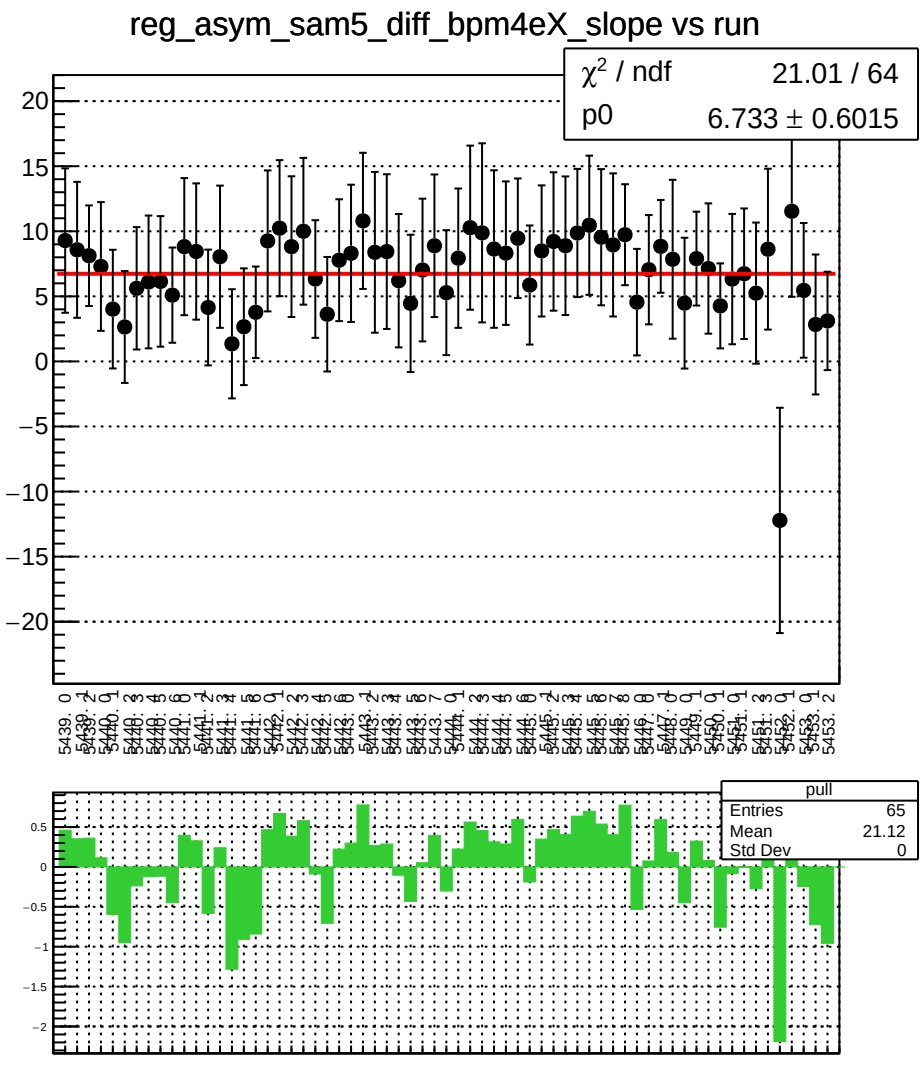

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 103.1 / 64
p0 −72.99 ± 2.123
pull
Entries 65
Mean −39.94
Std Dev 0
pull1D
Entries 65
Mean −0.04496
Std Dev 1.259

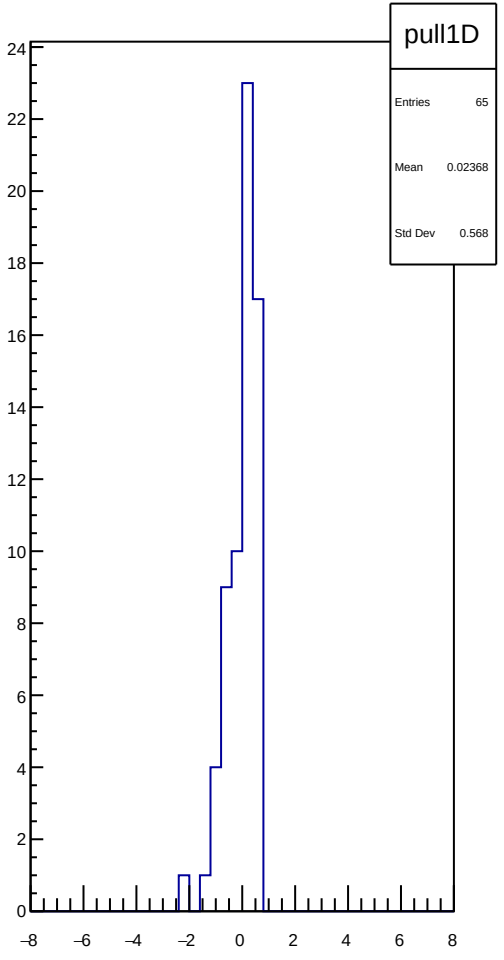

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 85.79 / 64
p0 44.53 ± 2.828
pull
Entries 65
Mean −13.03
Std Dev 0
pull1D
Entries 65
Mean 0.05184
Std Dev 1.148

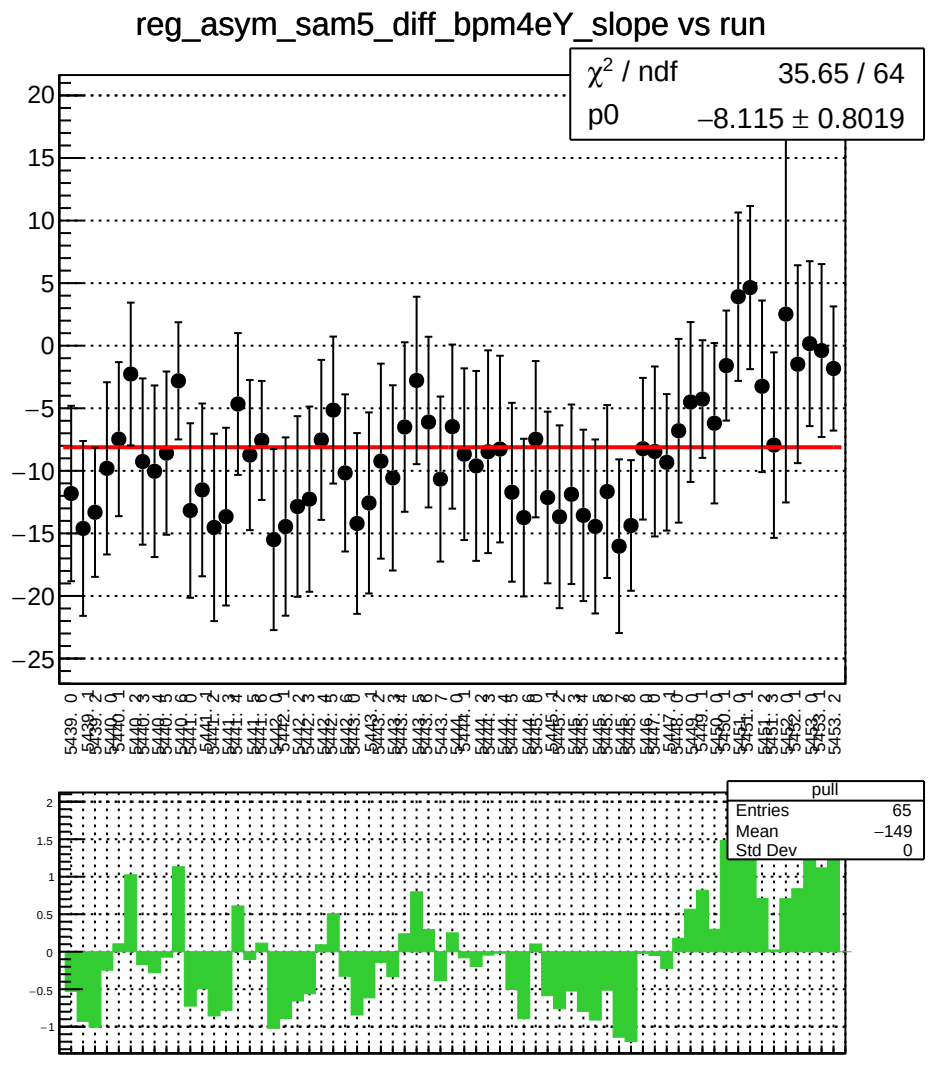

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 39.46 / 64
p0 −2.566 ± 0.1261
pull
Entries 65
Mean 2773
Std Dev 0
pull1D
Entries 65
Mean −0.001534
Std Dev 0.7791

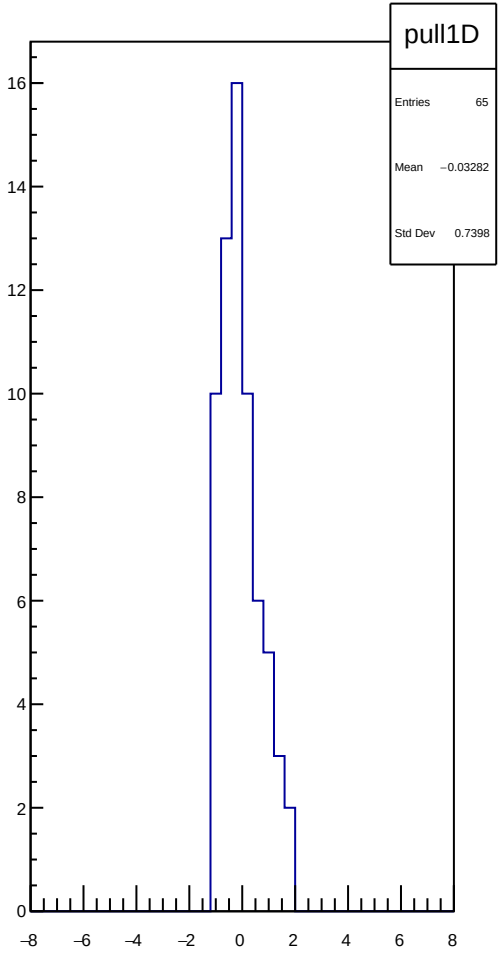

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 17.99 / 64
p0 1.094 ± 0.7695
pull
Entries 65
Mean 42.98
Std Dev 0
pull1D
Entries 65
Mean −0.02233
Std Dev 0.5257

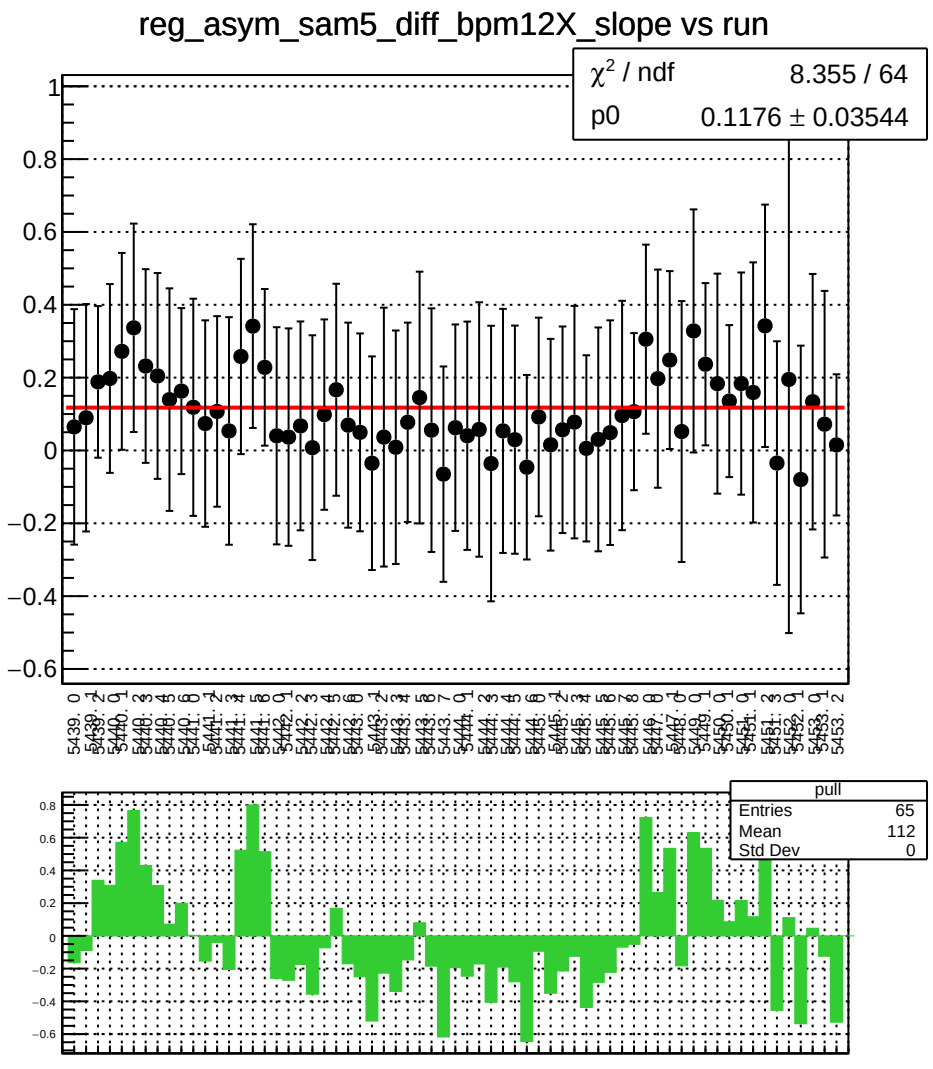

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 21.14 / 64
p0 73.54 ± 0.632
pull
Entries 65
Mean −18.87
Std Dev 0
pull1D
Entries 65
Mean 0.02663
Std Dev 0.5697

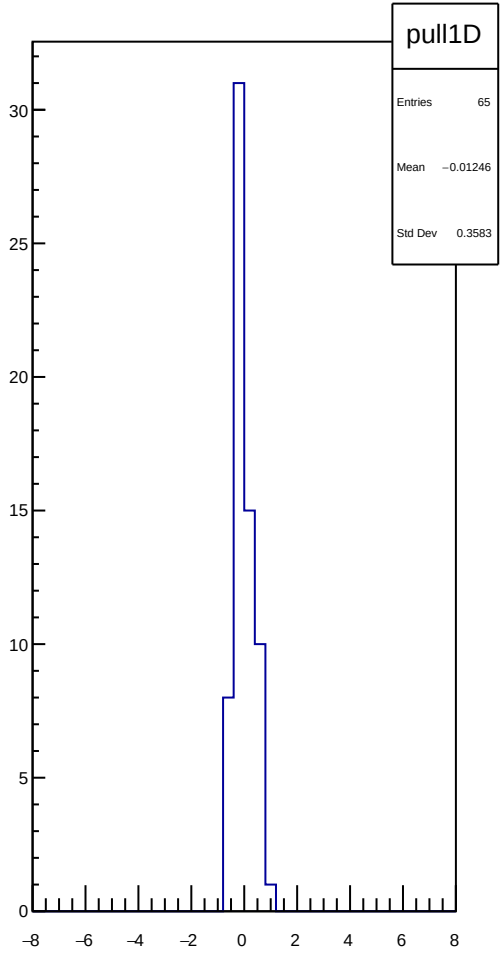

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 21.01 / 64
p0 6.733 ± 0.6015
pull
Entries 65
Mean 21.12
Std Dev 0

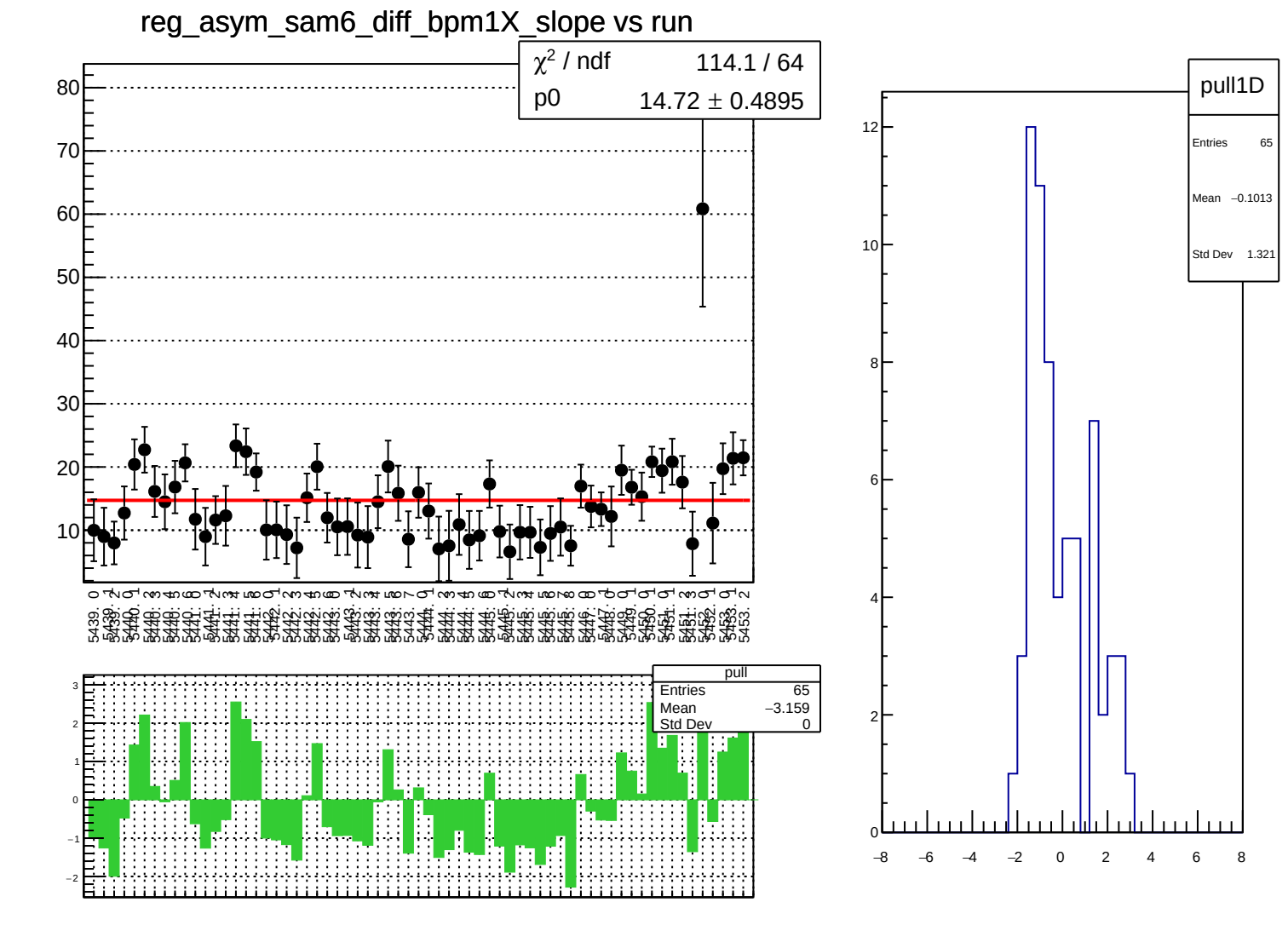

pull1D
Entries 65
Mean 0.02368
Std Dev 0.568

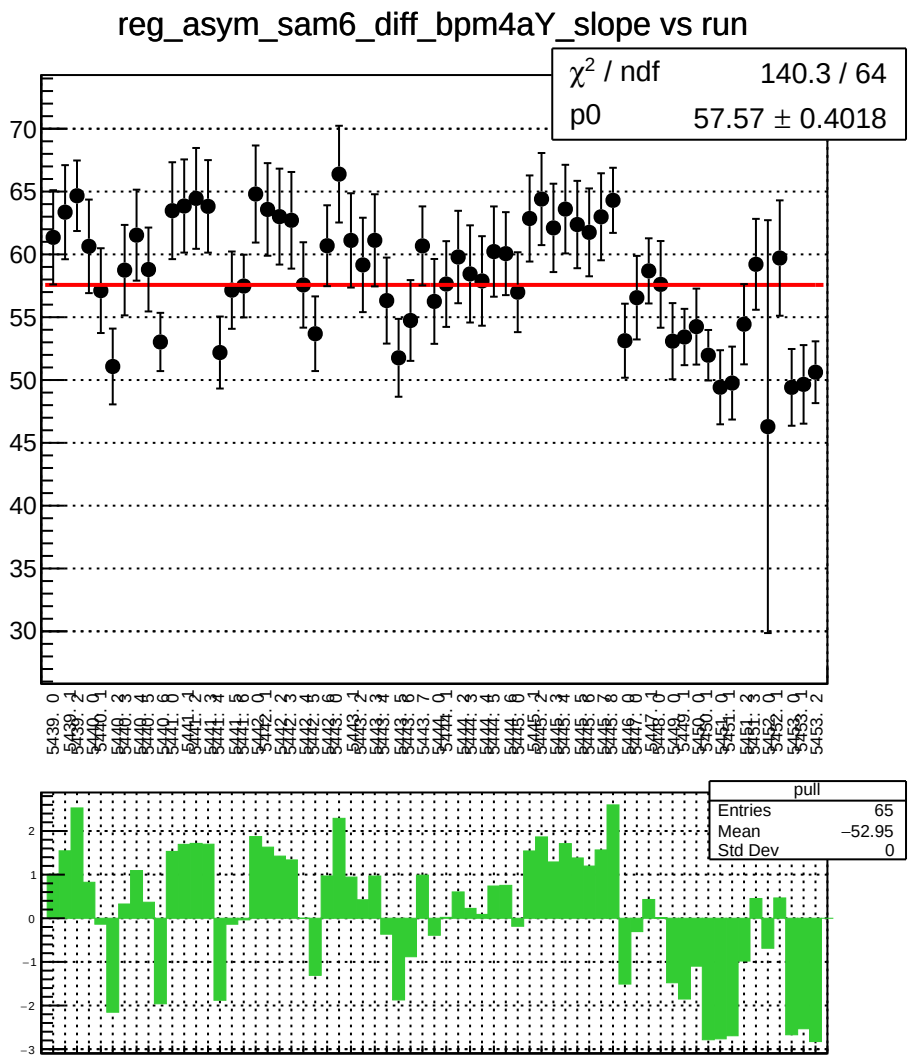

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 35.65 / 64
p0 −8.115 ± 0.8019
pull
Entries 65
Mean −149
Std Dev 0

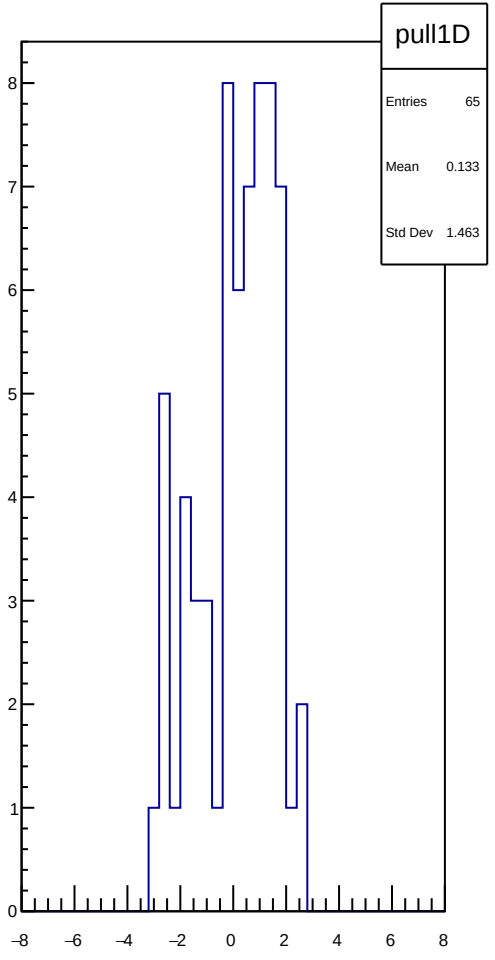

pull1D
Entries 65
Mean −0.03282
Std Dev 0.7398

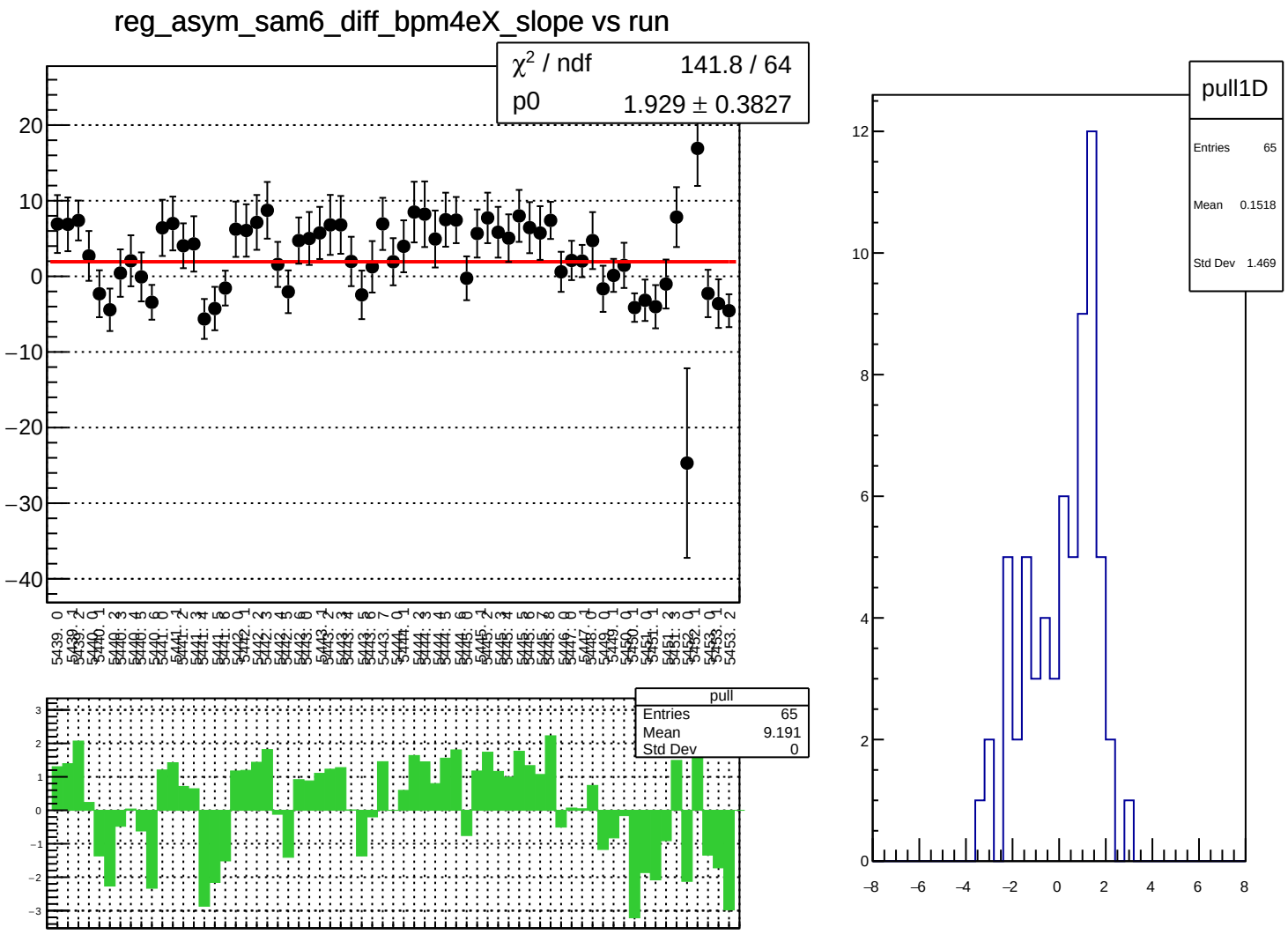

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 8.355 / 64
p0 0.1176 ± 0.03544
pull
Entries 65
Mean 112
Std Dev 0

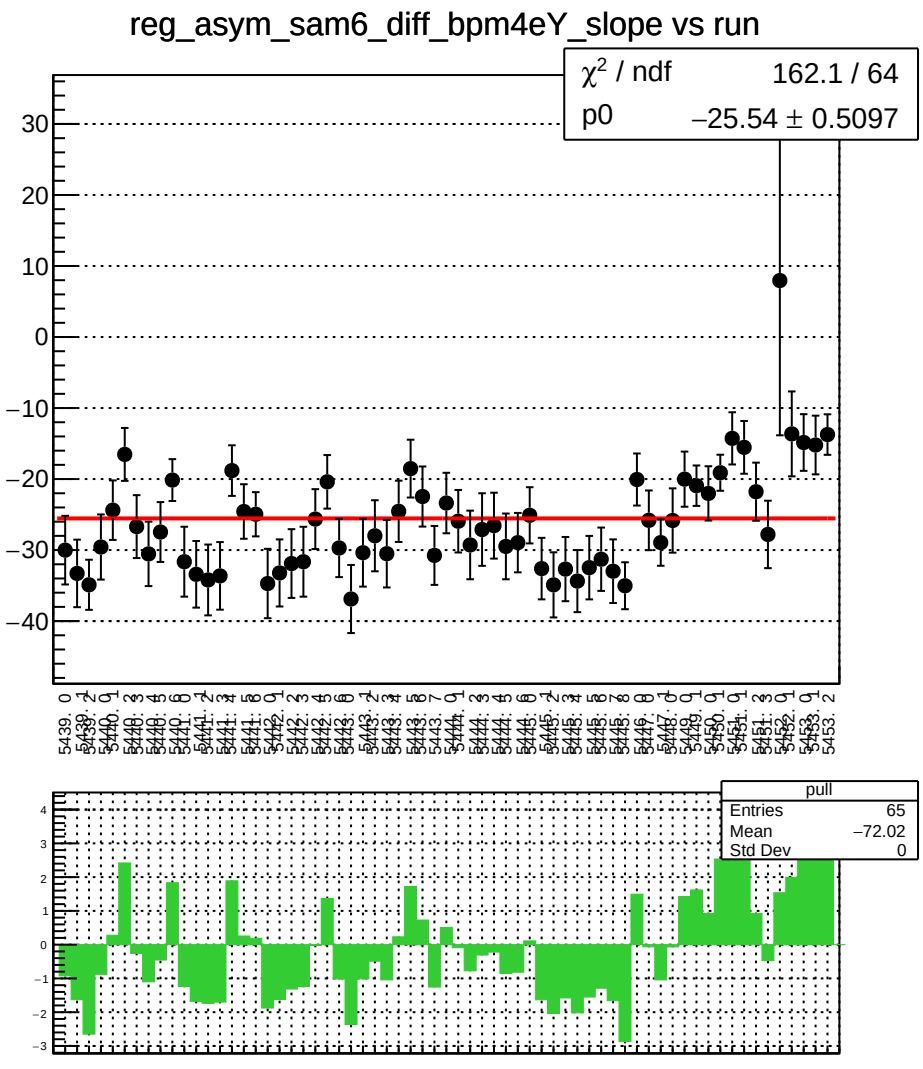

pull1D
Entries 65
Mean −0.01246
Std Dev 0.3583

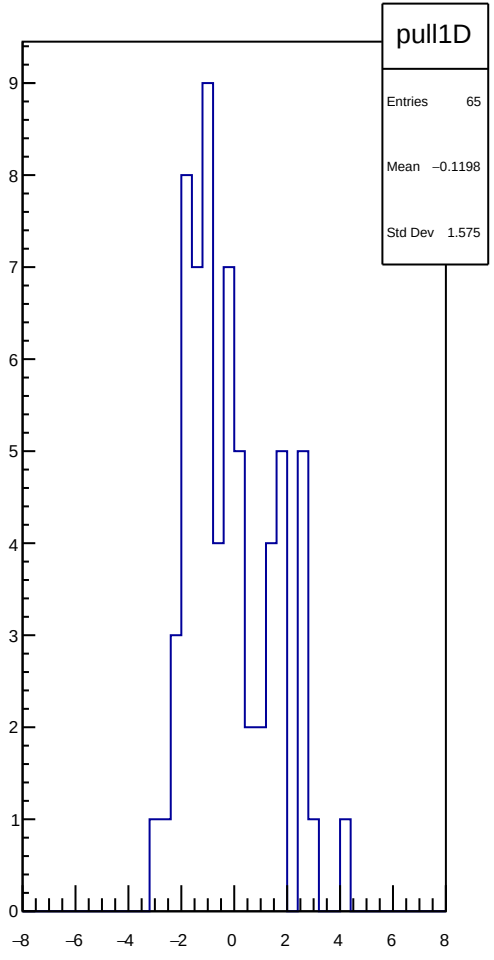

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 114.1 / 64
p0 14.72 ± 0.4895
pull
Entries 65
Mean −3.159
Std Dev 0
pull1D
Entries 65
Mean −0.1013
Std Dev 1.321

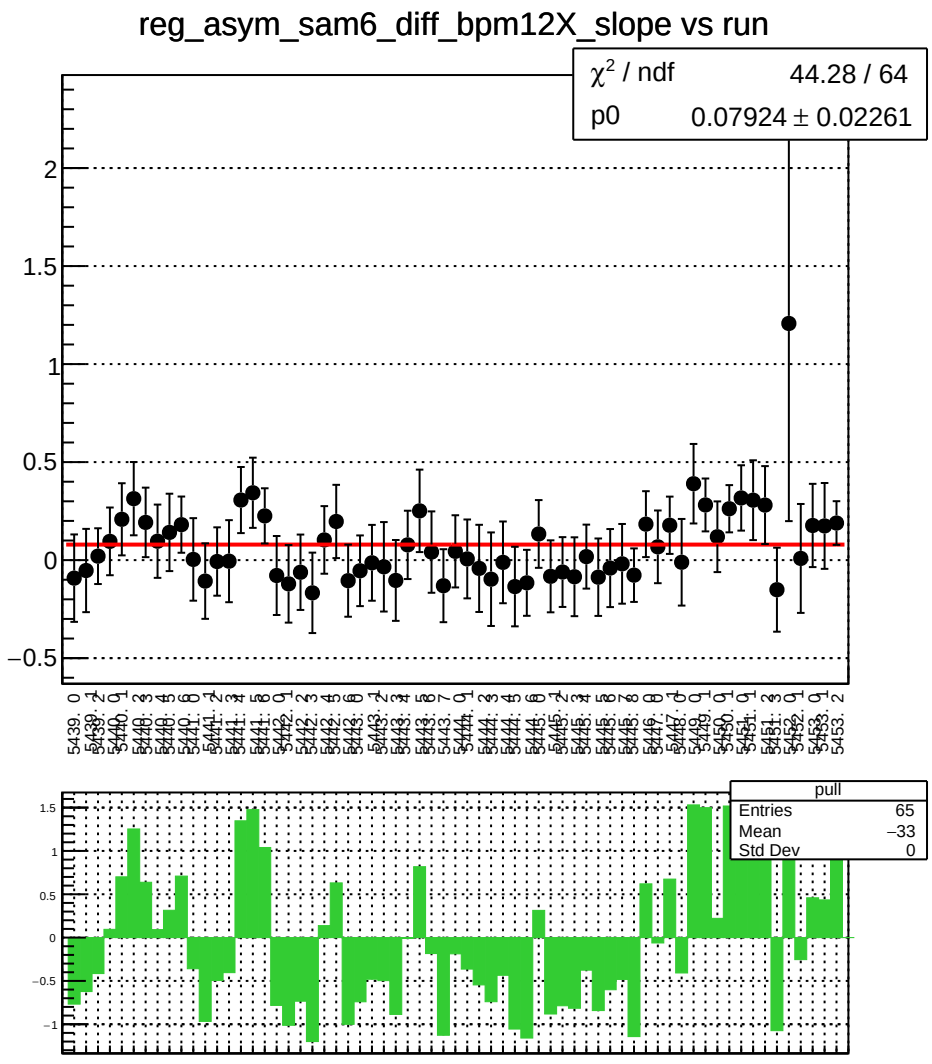

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 140.3 / 64
p0 57.57 ± 0.4018
pull
Entries 65
Mean −52.95
Std Dev 0

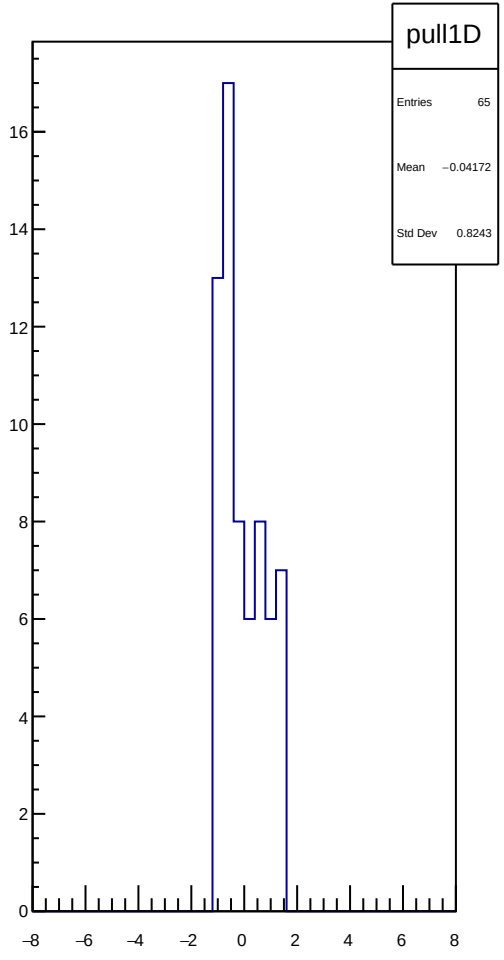

pull1D
Entries 65
Mean 0.133
Std Dev 1.463

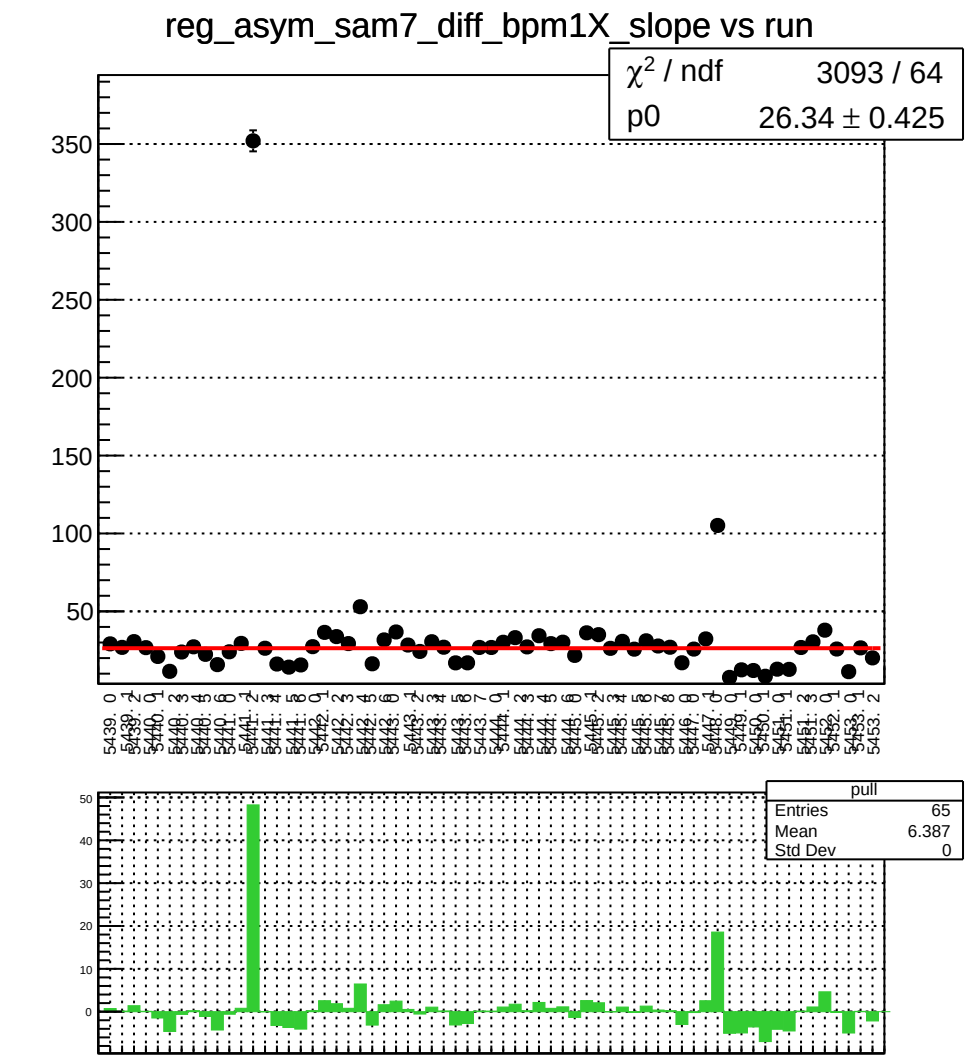

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 141.8 / 64
p0 1.929 ± 0.3827
pull
Entries 65
Mean 9.191
Std Dev 0
pull1D
Entries 65
Mean 0.1518
Std Dev 1.469

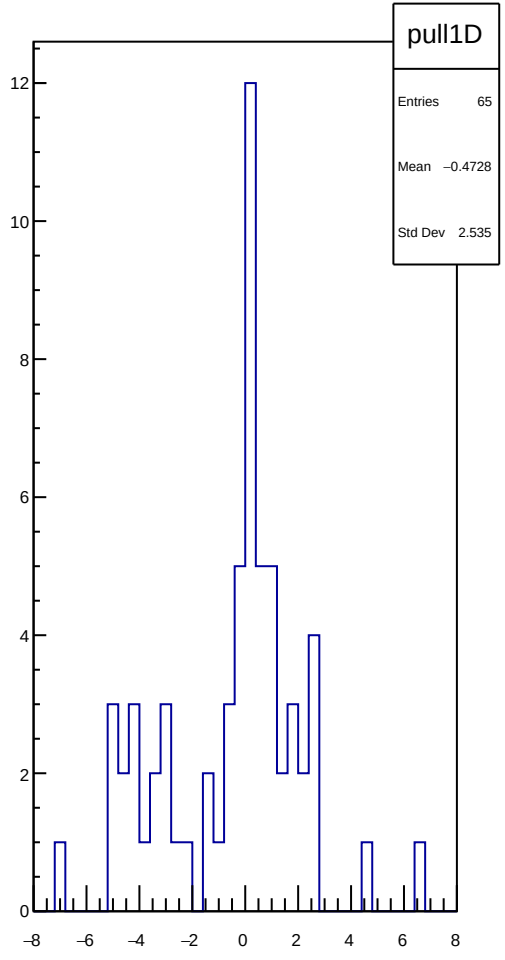

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 162.1 / 64
p0 −25.54 ± 0.5097
pull
Entries 65
Mean −72.02
Std Dev 0

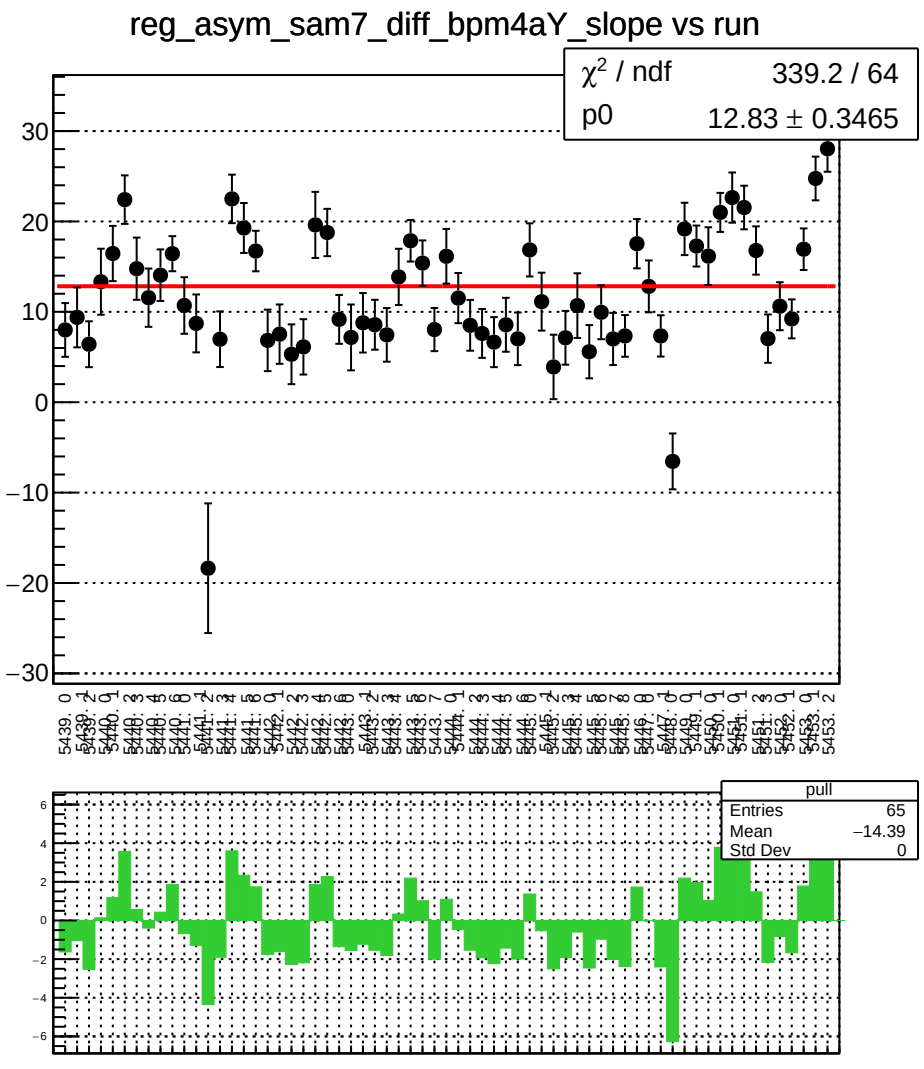

pull1D
Entries 65
Mean −0.1198
Std Dev 1.575

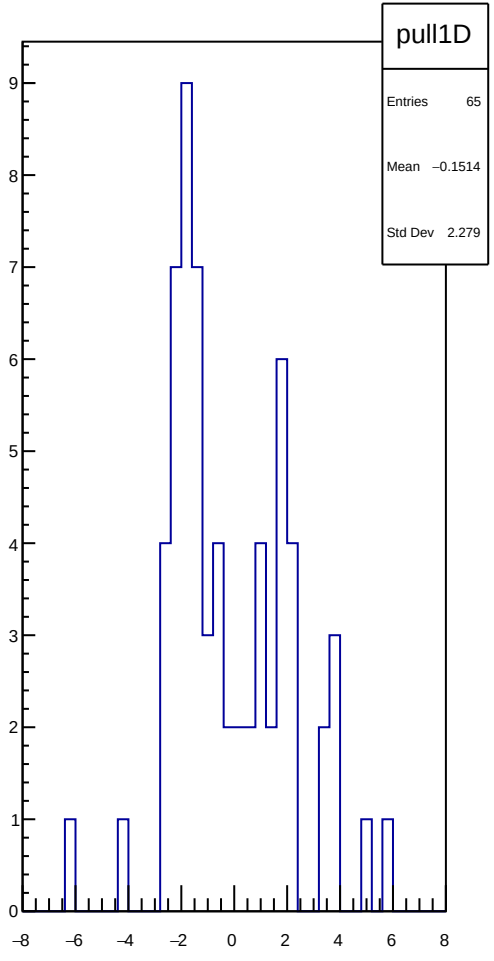

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 44.28 / 64
p0 0.07924 ± 0.02261
pull
Entries 65
Mean −33
Std Dev 0

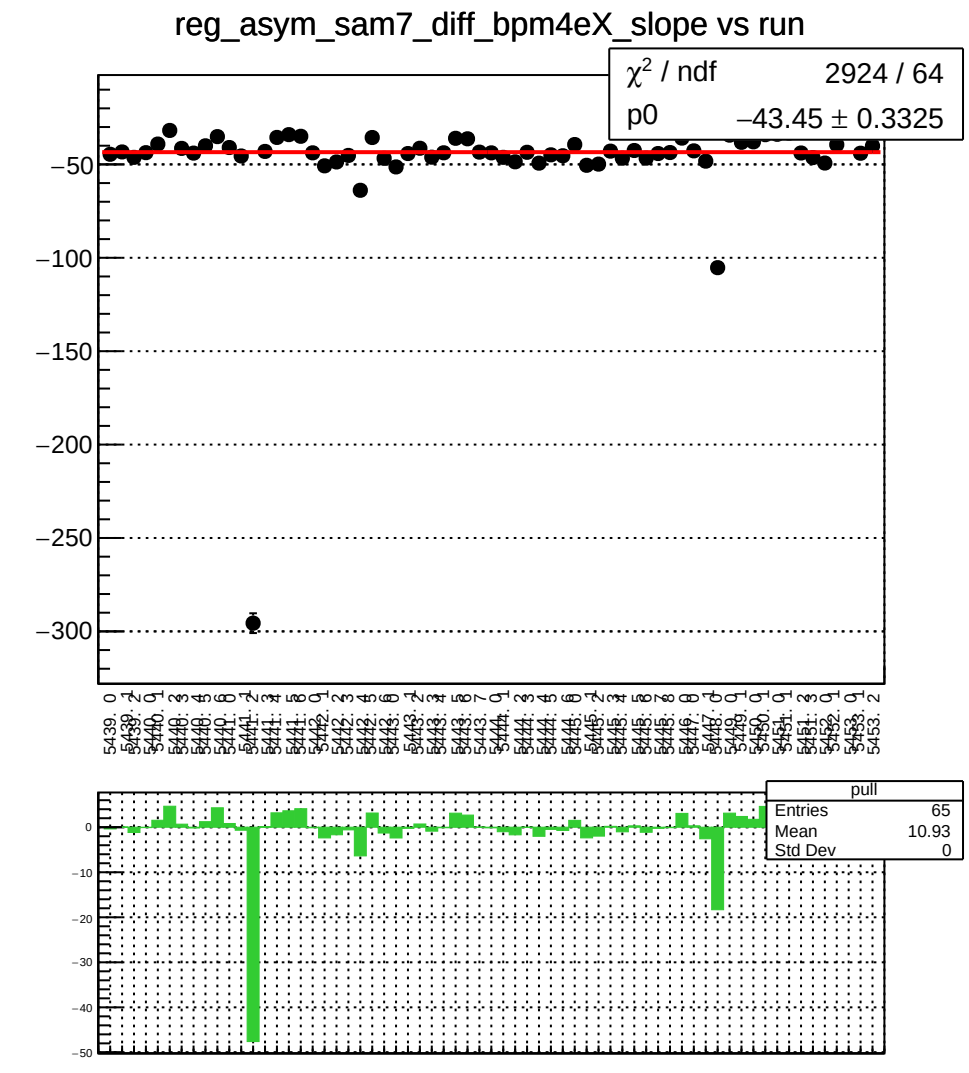

pull1D
Entries 65
Mean −0.04172
Std Dev 0.8243

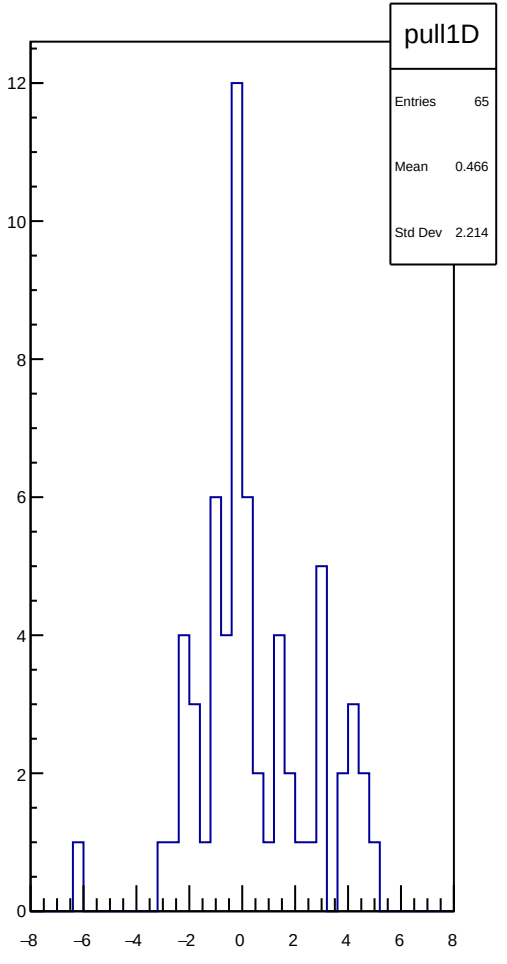

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 3093 / 64
p0 26.34 ± 0.425
pull
Entries 65
Mean 6.387
Std Dev 0

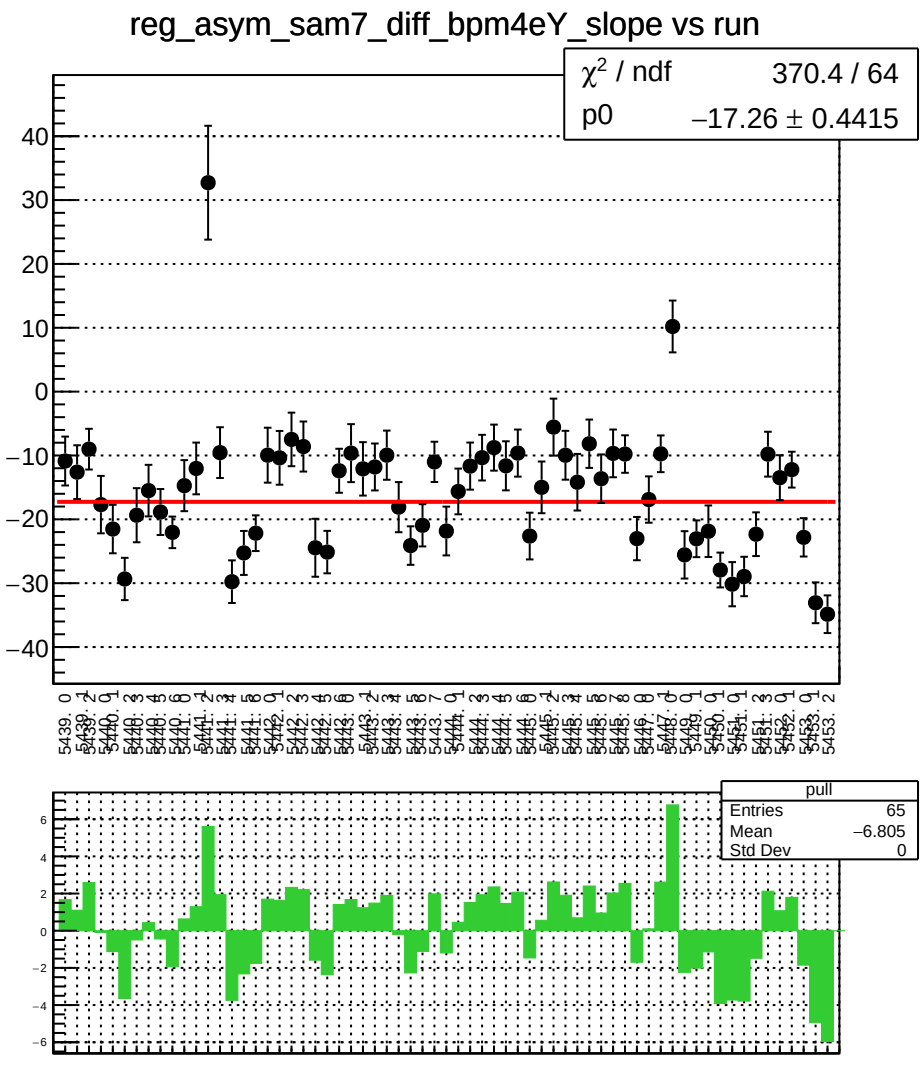

pull1D
Entries 65
Mean −0.4728
Std Dev 2.535

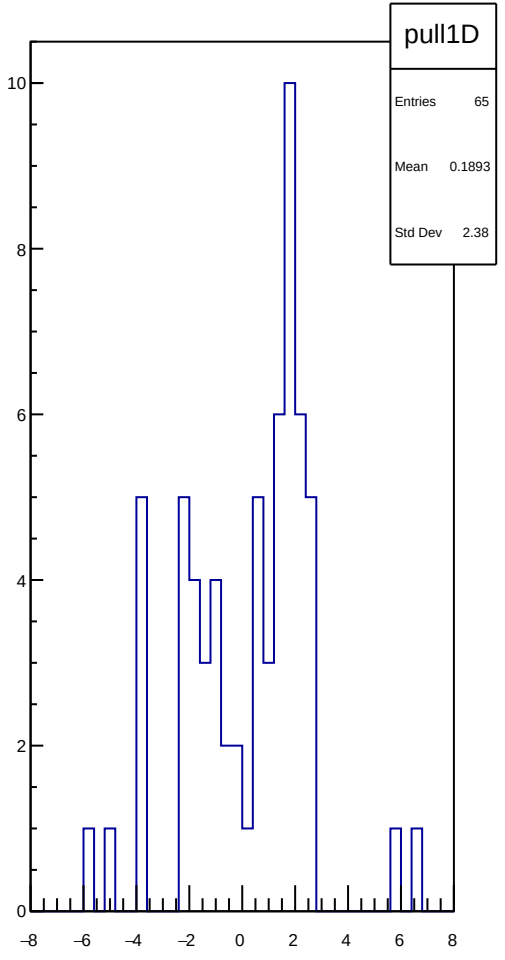

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 339.2 / 64
p0 12.83 ± 0.3465
pull
Entries 65
Mean −14.39
Std Dev 0

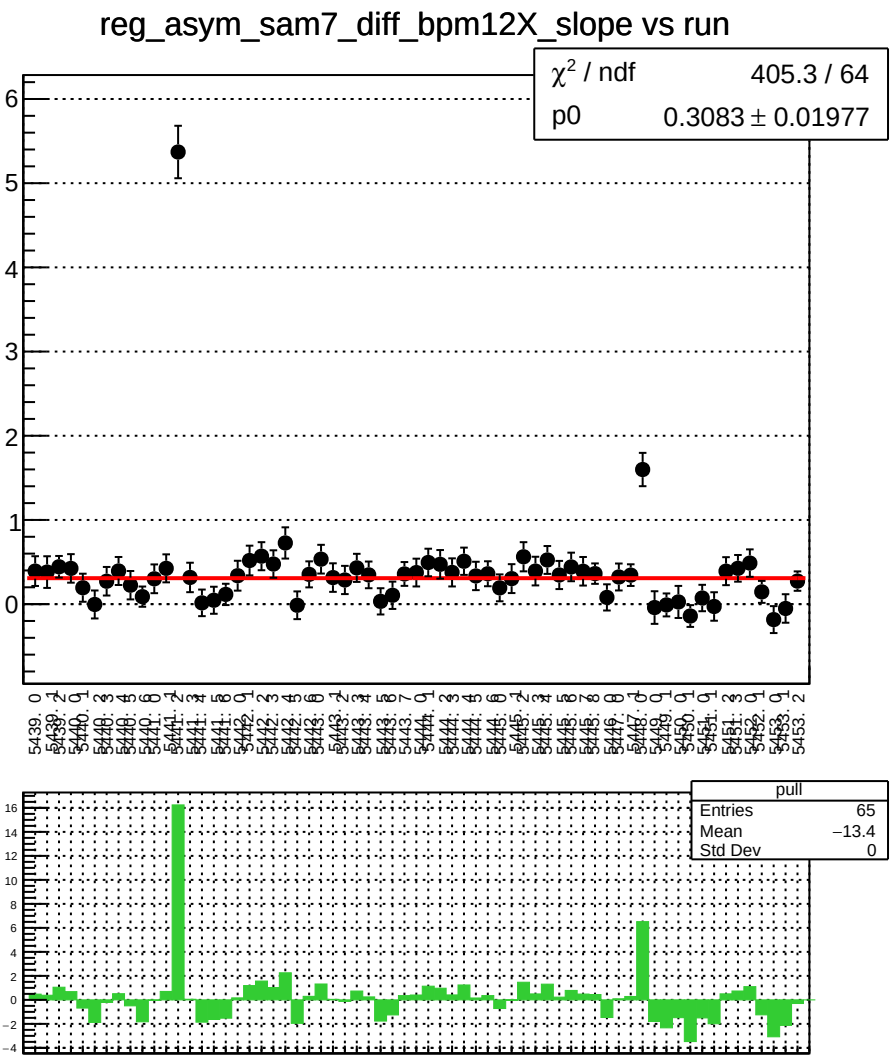

pull1D
Entries 65
Mean −0.1514
Std Dev 2.279

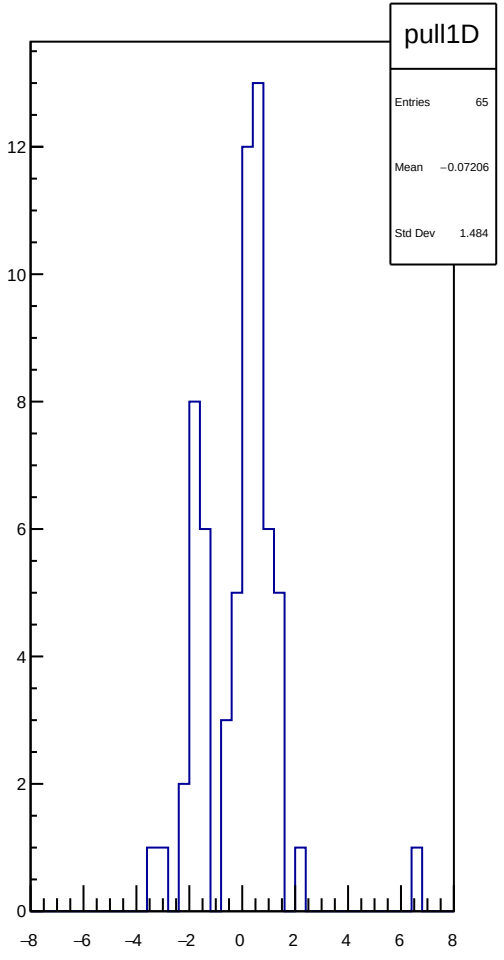

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 2924 / 64
p0 −43.45 ± 0.3325
pull
Entries 65
Mean 10.93
Std Dev 0

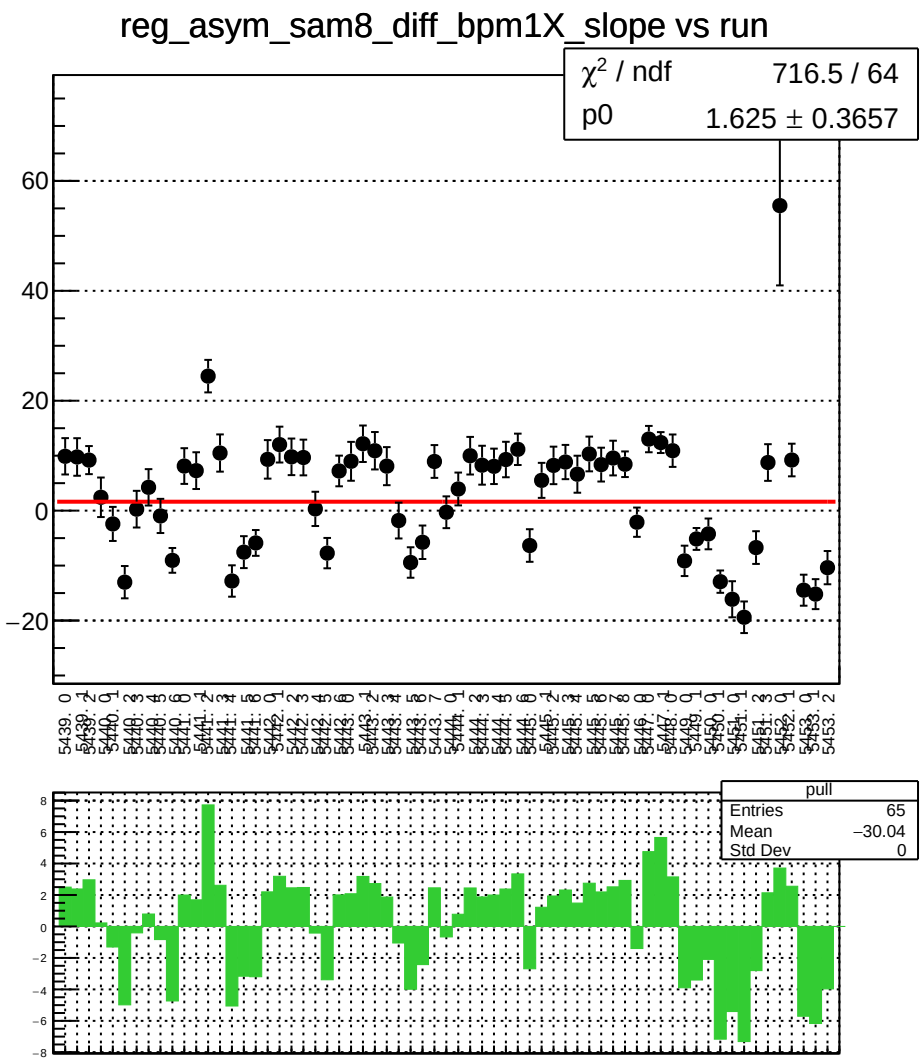

pull1D
Entries 65
Mean 0.466
Std Dev 2.214

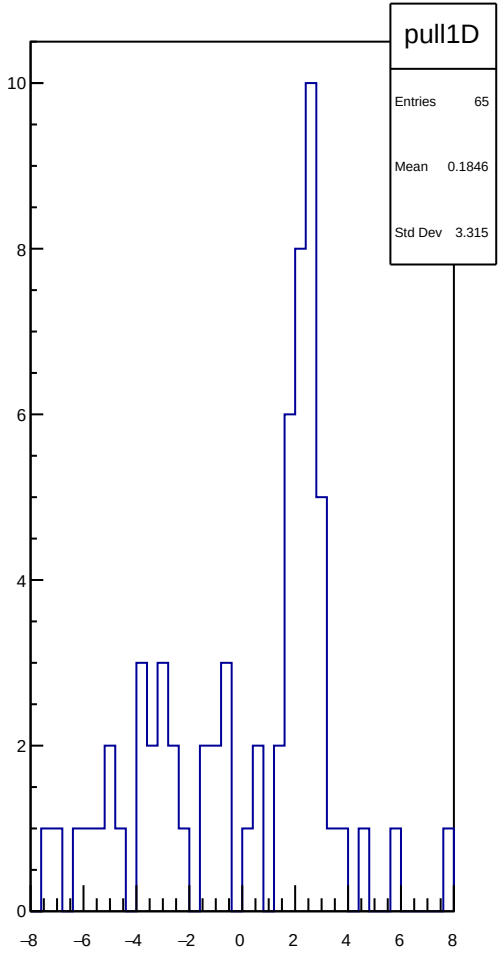

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 370.4 / 64
p0 −17.26 ± 0.4415
pull
Entries 65
Mean −6.805
Std Dev 0

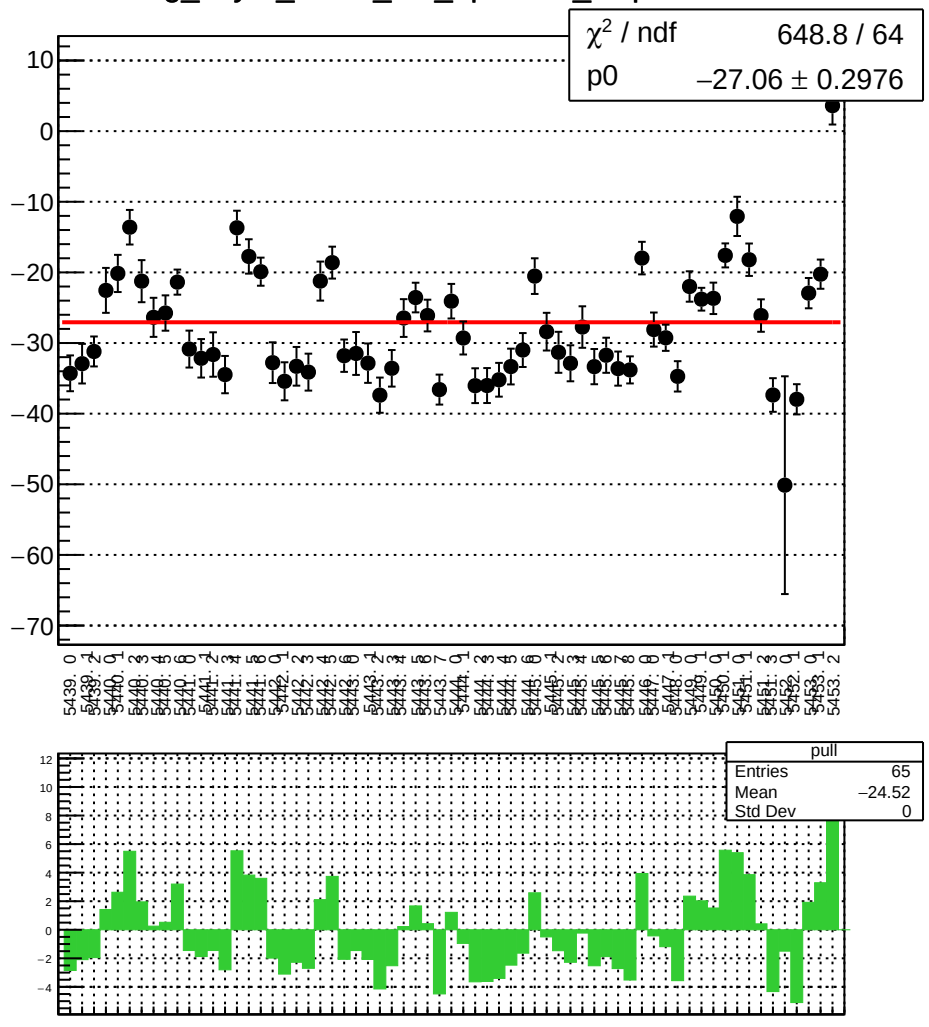

pull1D
Entries 65
Mean 0.1893
Std Dev 2.38

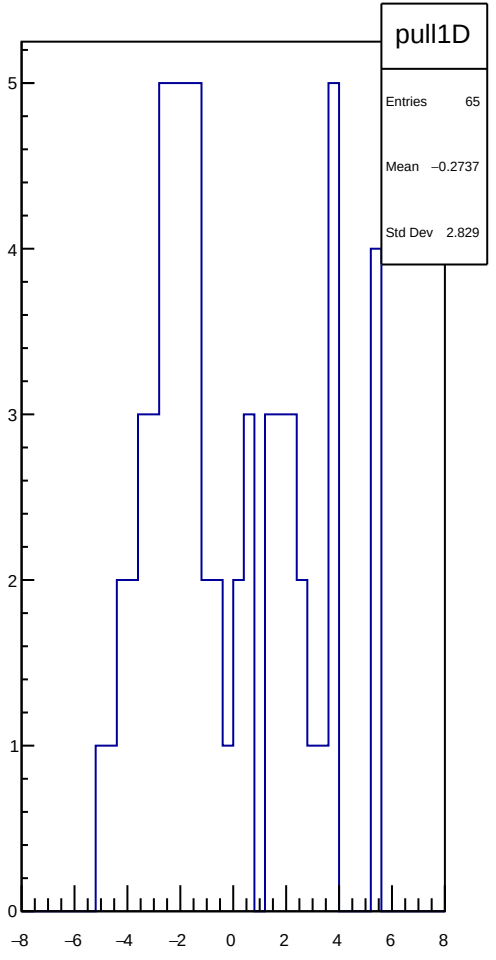

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 405.3 / 64
p0 0.3083 ± 0.01977
pull
Entries 65
Mean −13.4
Std Dev 0

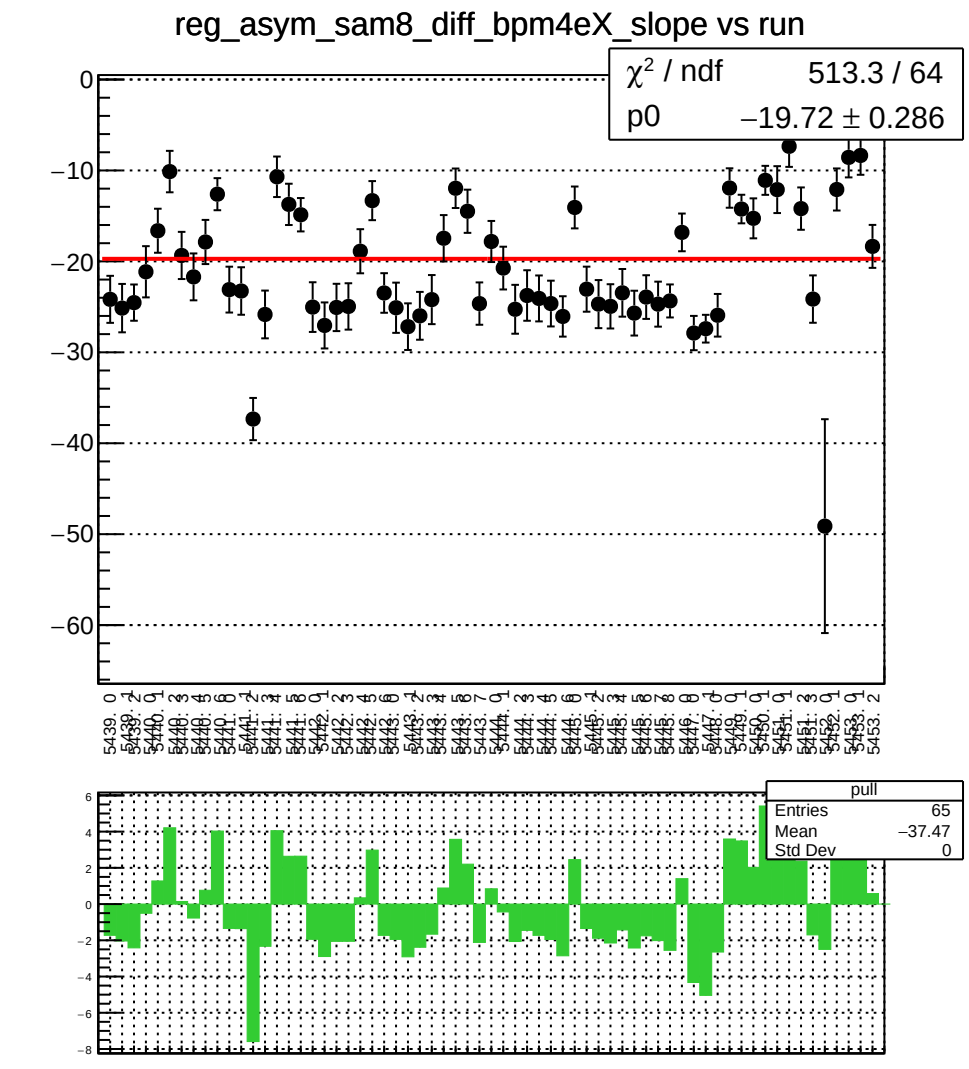

pull1D
Entries 65
Mean −0.07206
Std Dev 1.484

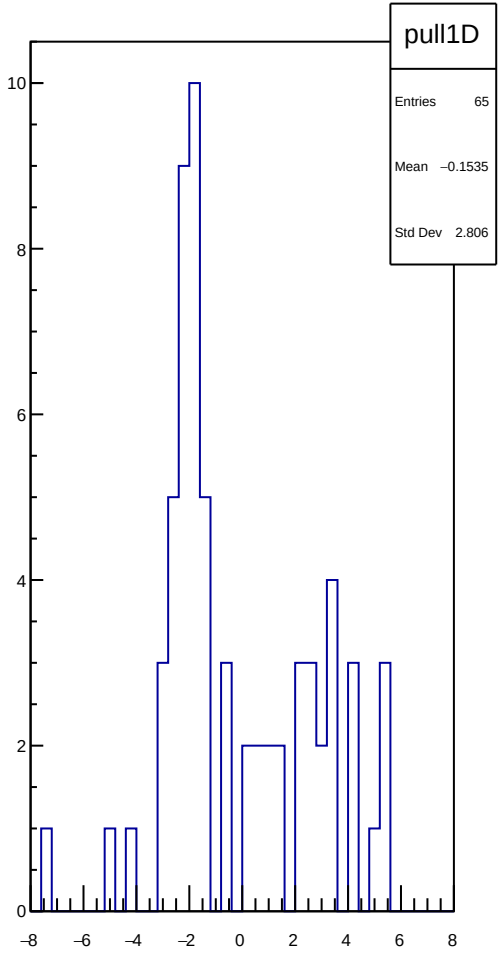

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 716.5 / 64
p0 1.625 ± 0.3657
pull
Entries 65
Mean −30.04
Std Dev 0

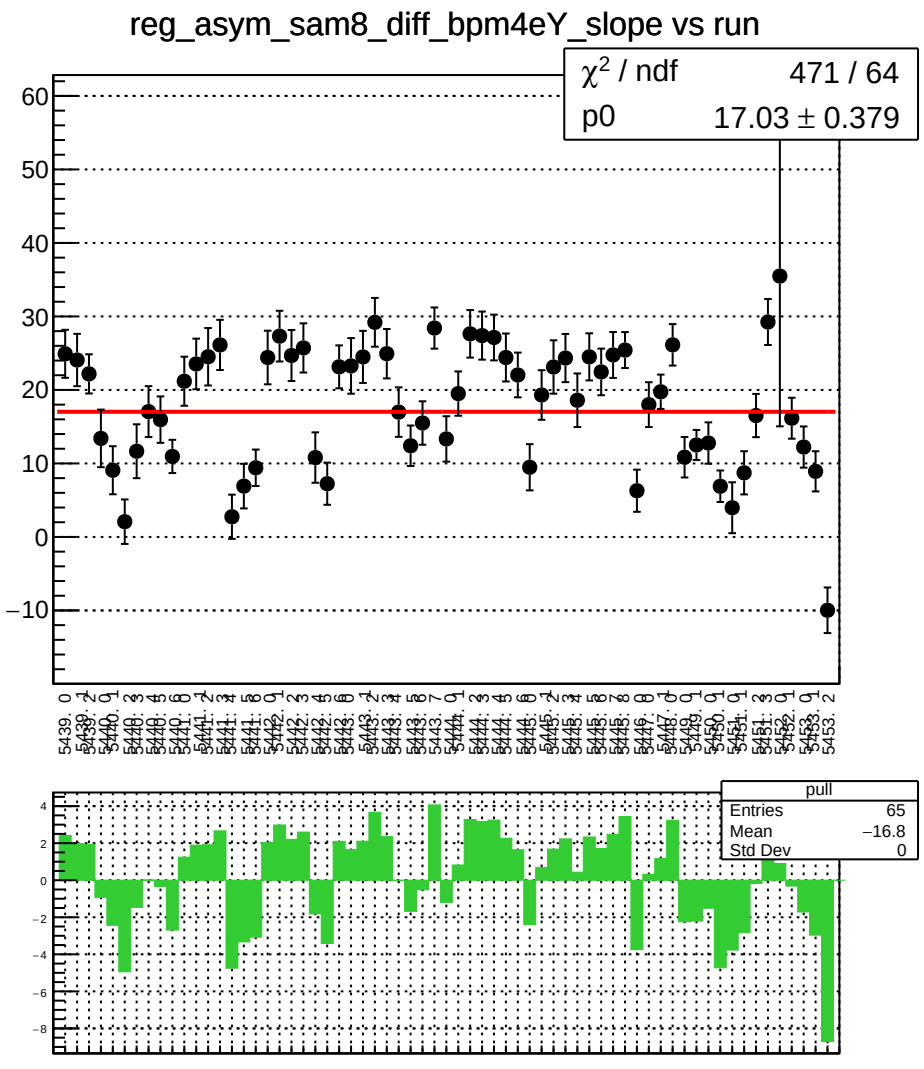

pull1D
Entries 65
Mean 0.1846
Std Dev 3.315

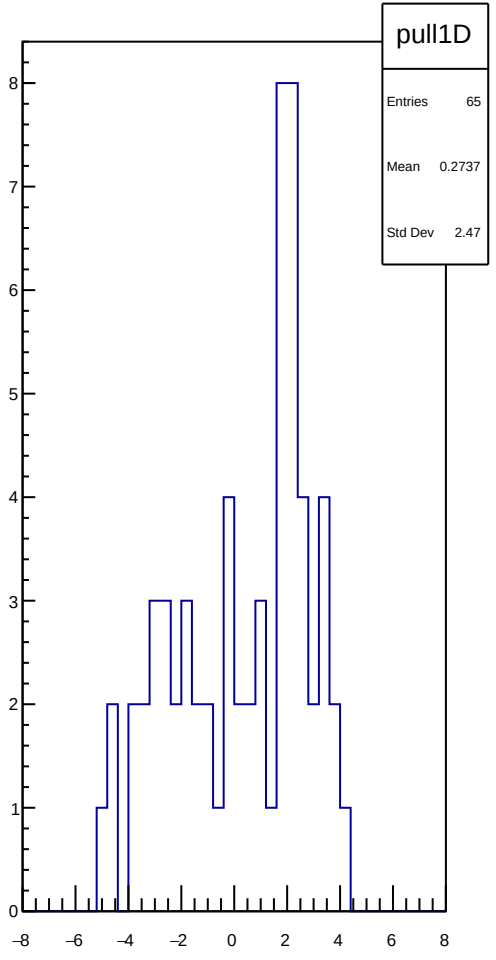

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 648.8 / 64
p0 −27.06 ± 0.2976
pull
Entries 65
Mean −24.52
Std Dev 0

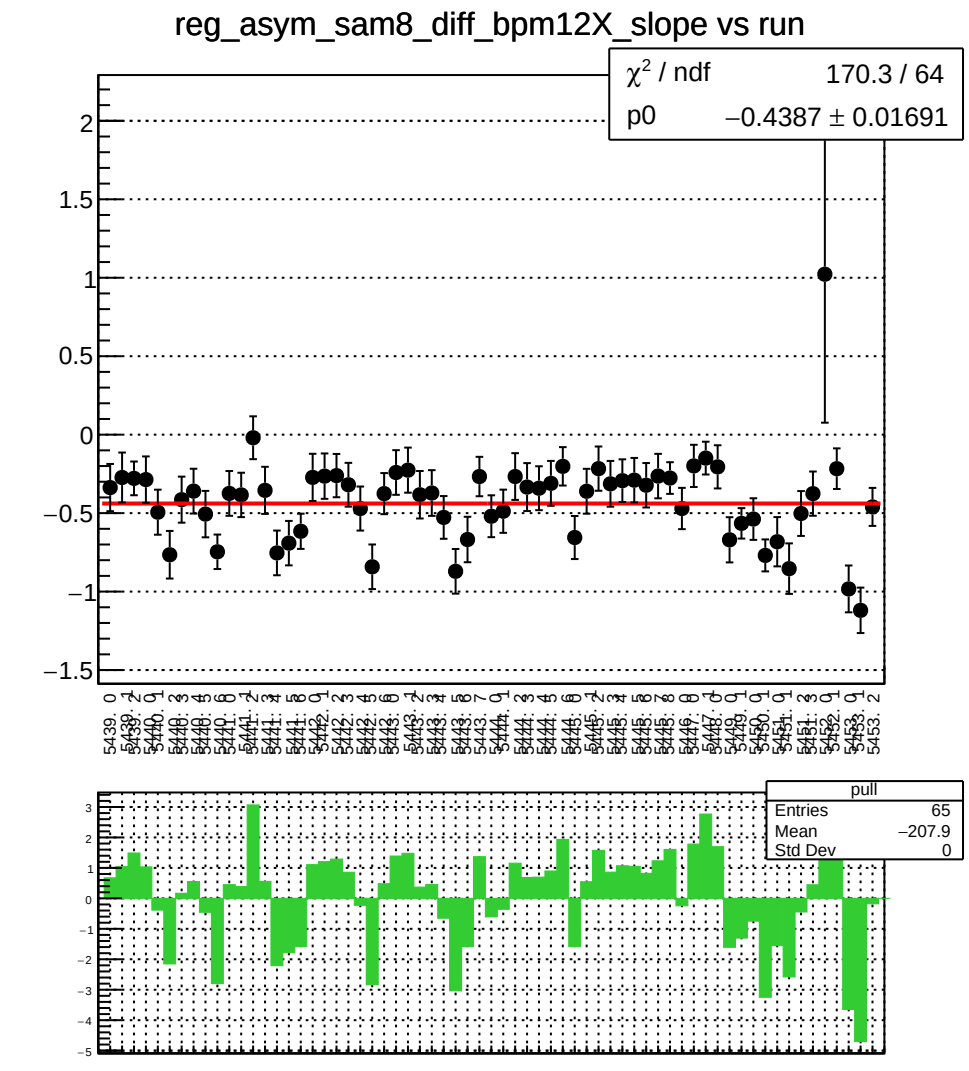

pull1D
Entries 65
Mean −0.2737
Std Dev 2.829

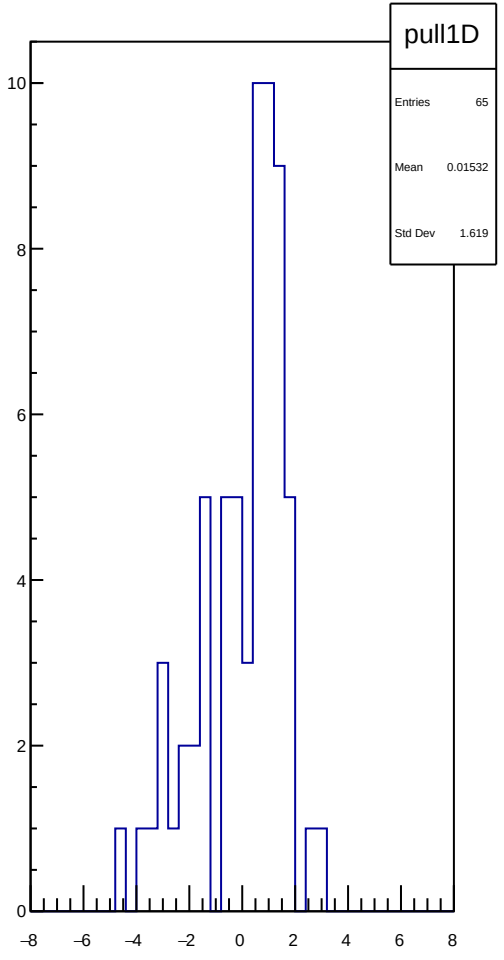

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 513.3 / 64
p0 −19.72 ± 0.286
pull
Entries 65
Mean −37.47
Std Dev 0

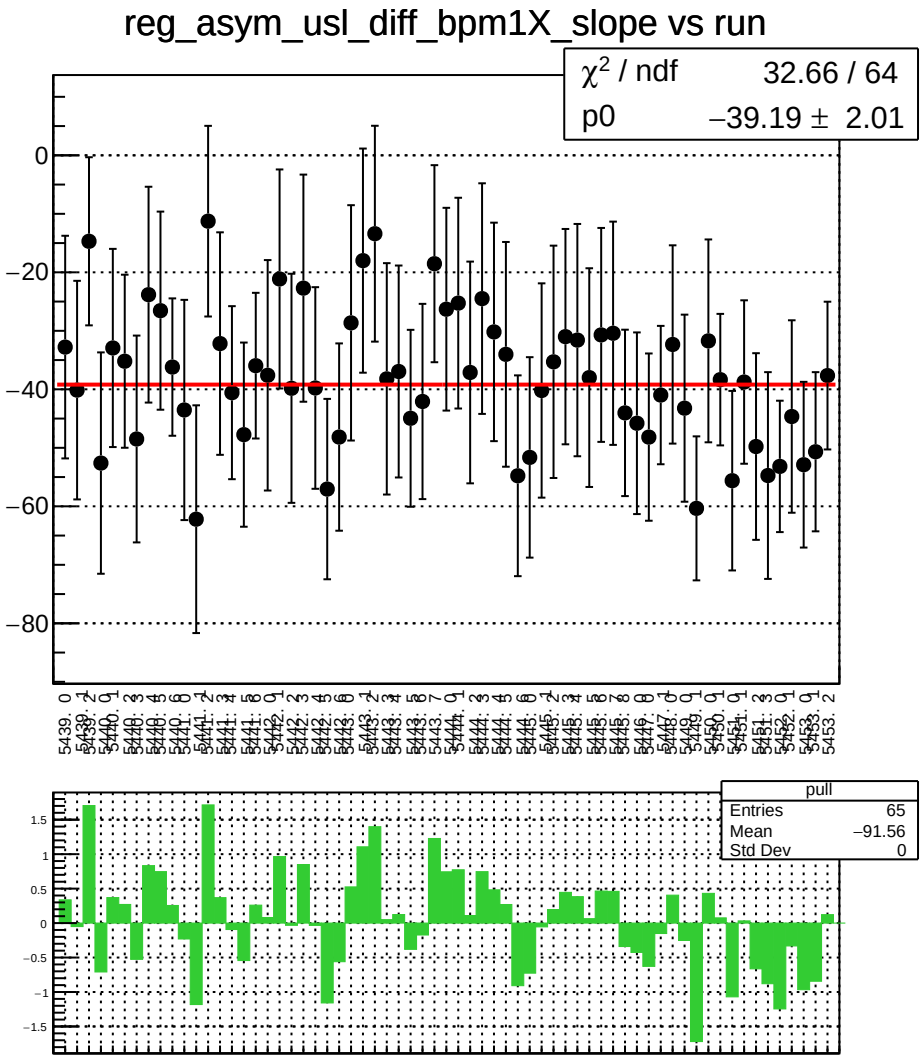

pull1D
Entries 65
Mean −0.1535
Std Dev 2.806

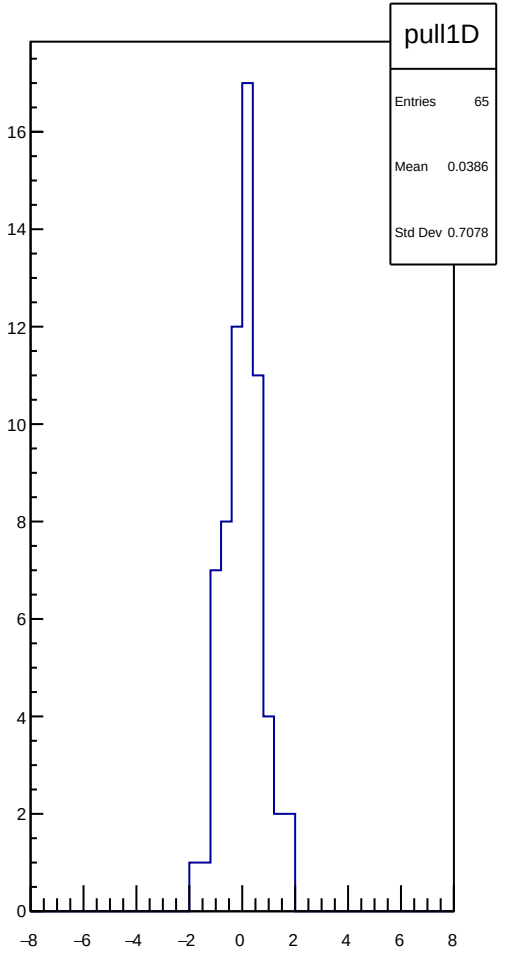

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 471 / 64
p0 17.03 ± 0.379
pull
Entries 65
Mean −16.8
Std Dev 0

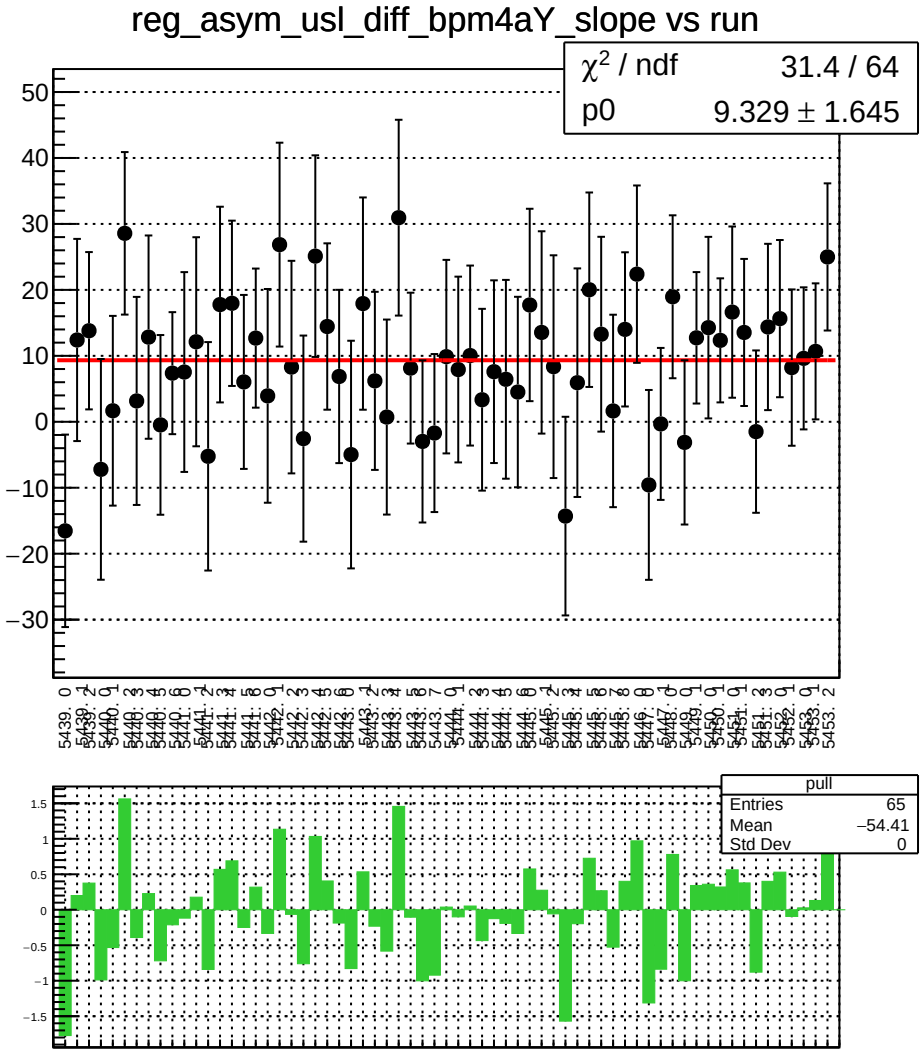

pull1D
Entries 65
Mean 0.2737
Std Dev 2.47

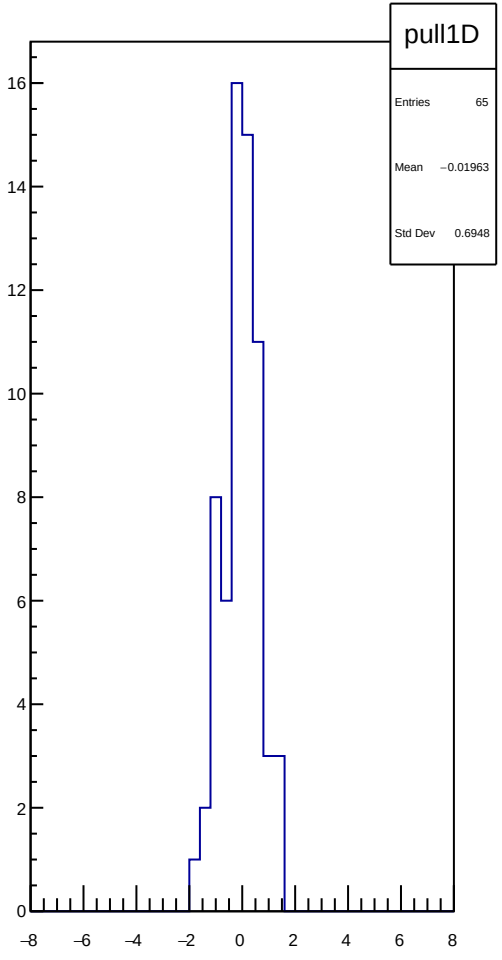

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 170.3 / 64
p0 −0.4387 ± 0.01691
pull
Entries 65
Mean −207.9
Std Dev 0

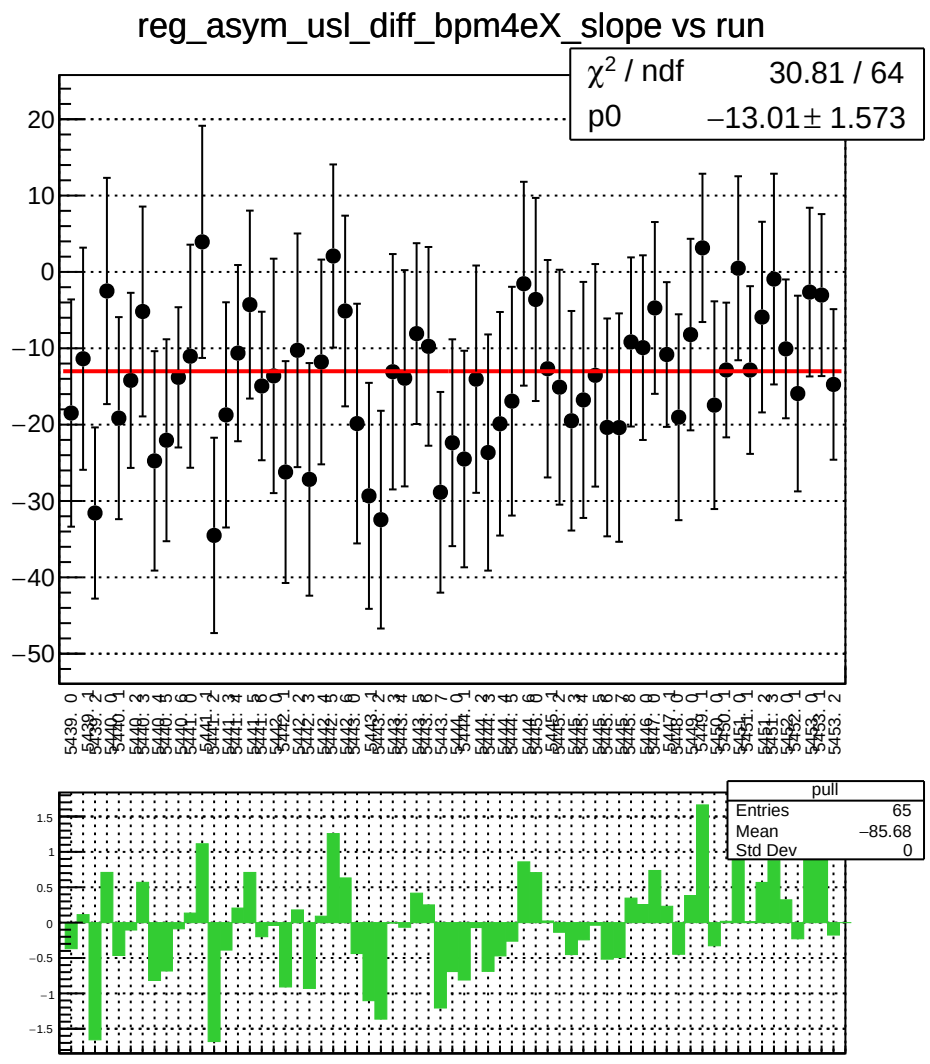

pull1D
Entries 65
Mean 0.01532
Std Dev 1.619

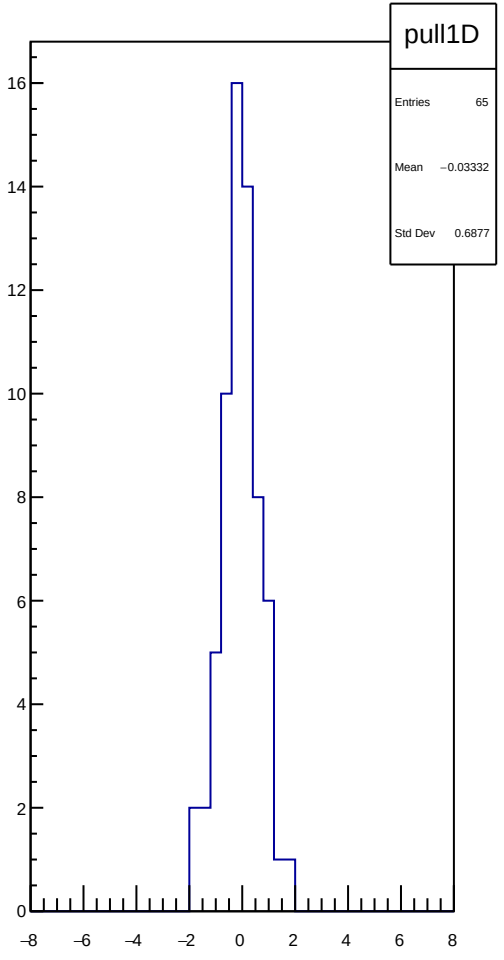

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 32.66 / 64
p0 −39.19 ± 2.01
pull
Entries 65
Mean −91.56
Std Dev 0

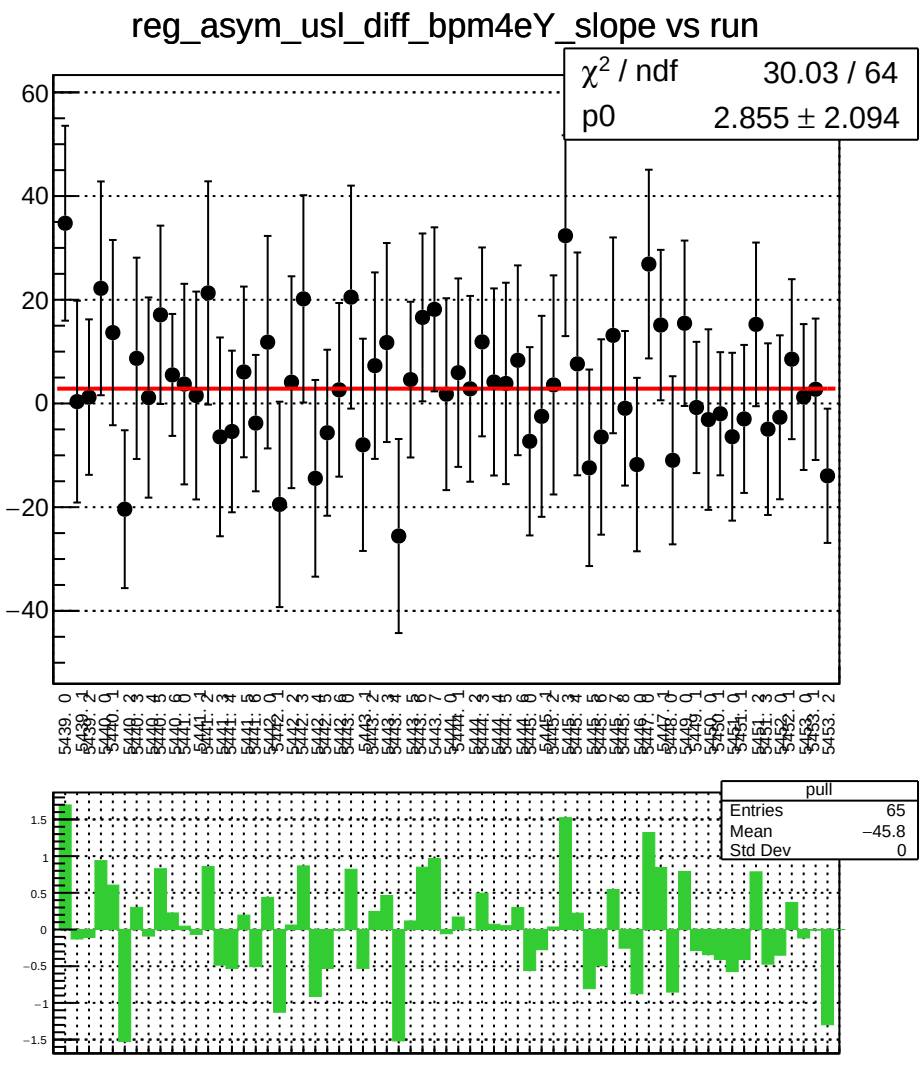

pull1D
Entries 65
Mean 0.0386
Std Dev 0.7078

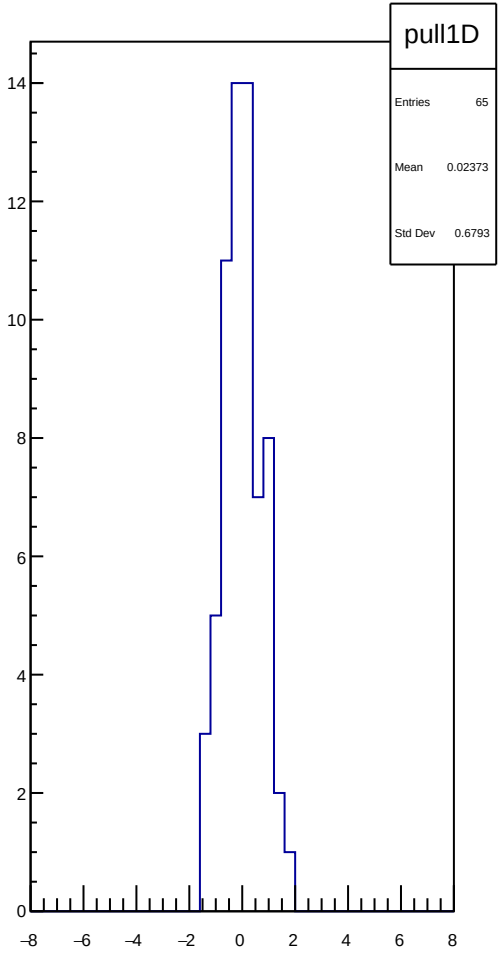

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 31.4 / 64
p0 9.329 ± 1.645
pull
Entries 65
Mean −54.41
Std Dev 0

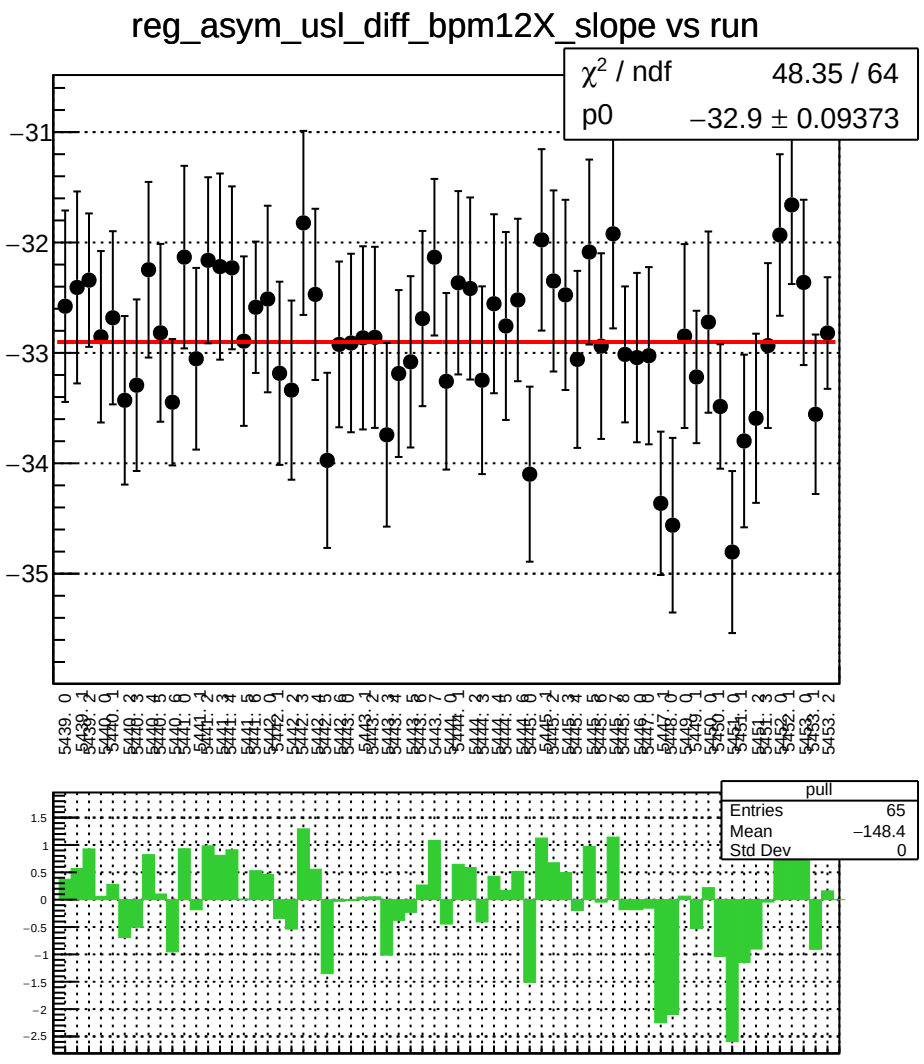

pull1D
Entries 65
Mean −0.01963
Std Dev 0.6948

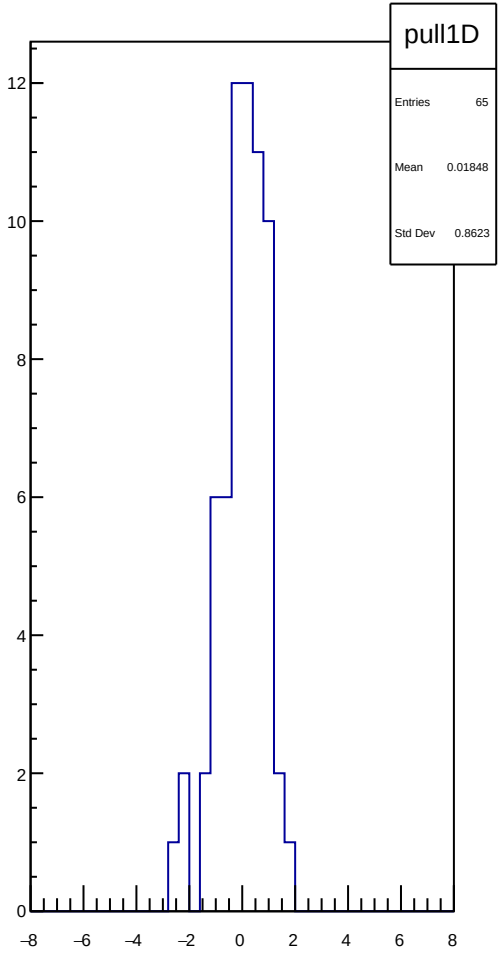

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 30.81 / 64
p0 −13.01 ± 1.573
pull
Entries 65
Mean −85.68
Std Dev 0

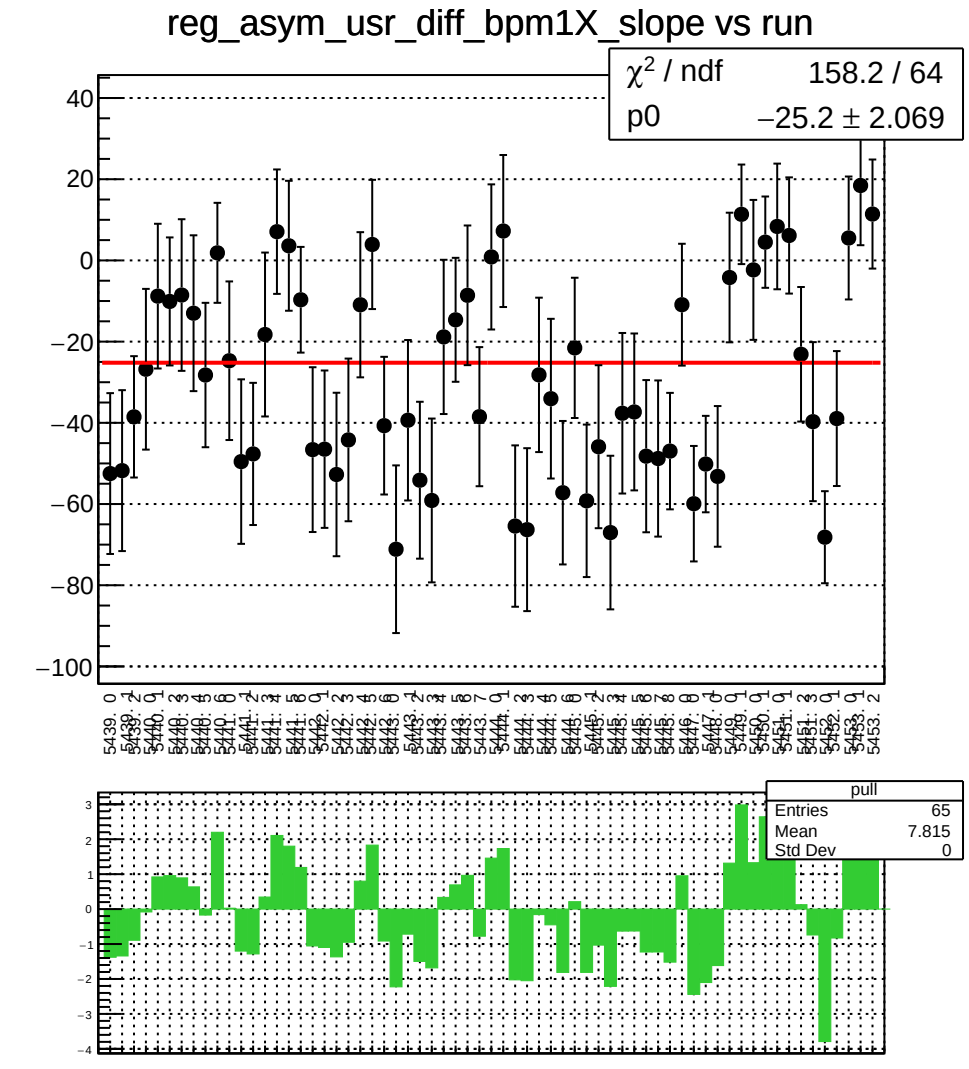

pull1D
Entries 65
Mean −0.03332
Std Dev 0.6877

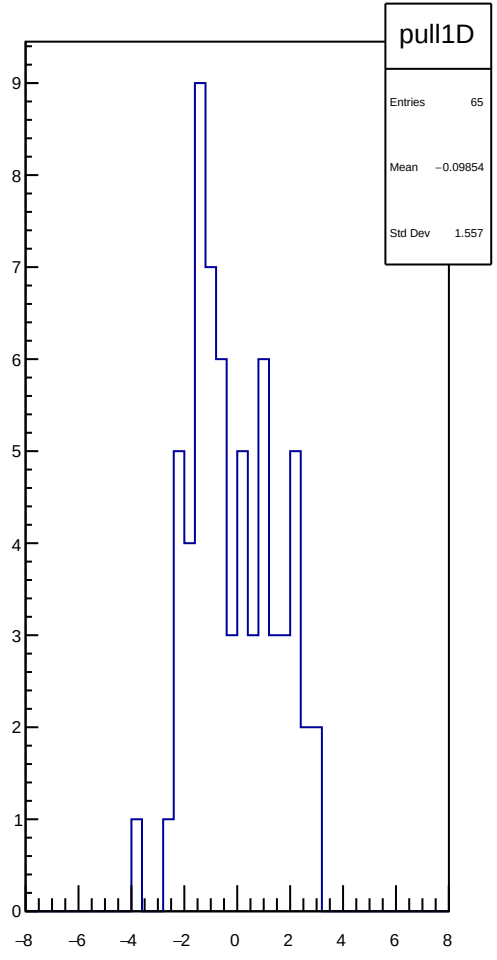

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 30.03 / 64
p0 2.855 ± 2.094
pull
Entries 65
Mean −45.8
Std Dev 0

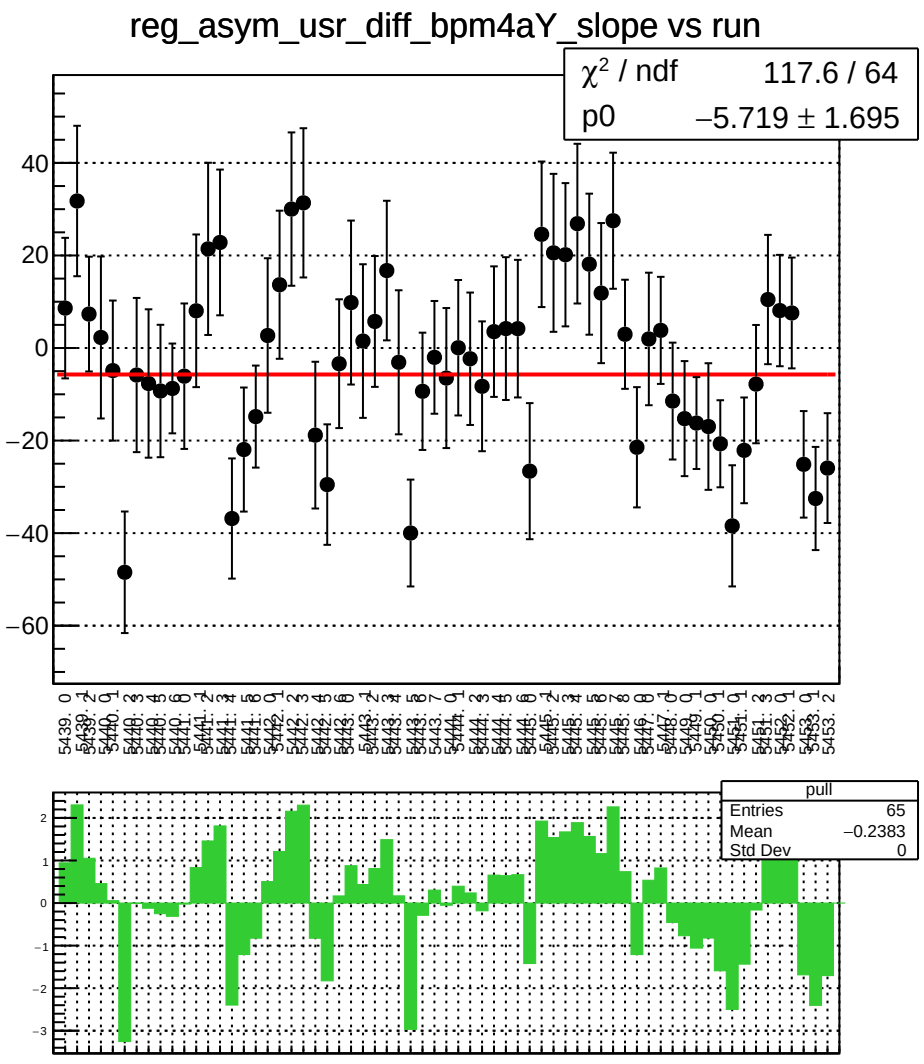

pull1D
Entries 65
Mean 0.02373
Std Dev 0.6793

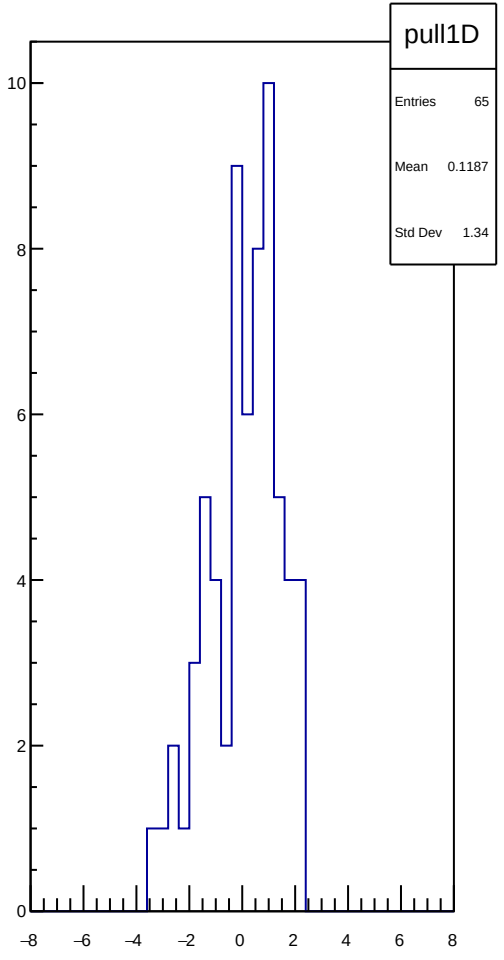

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 48.35 / 64
p0 −32.9 ± 0.09373
pull
Entries 65
Mean −148.4
Std Dev 0

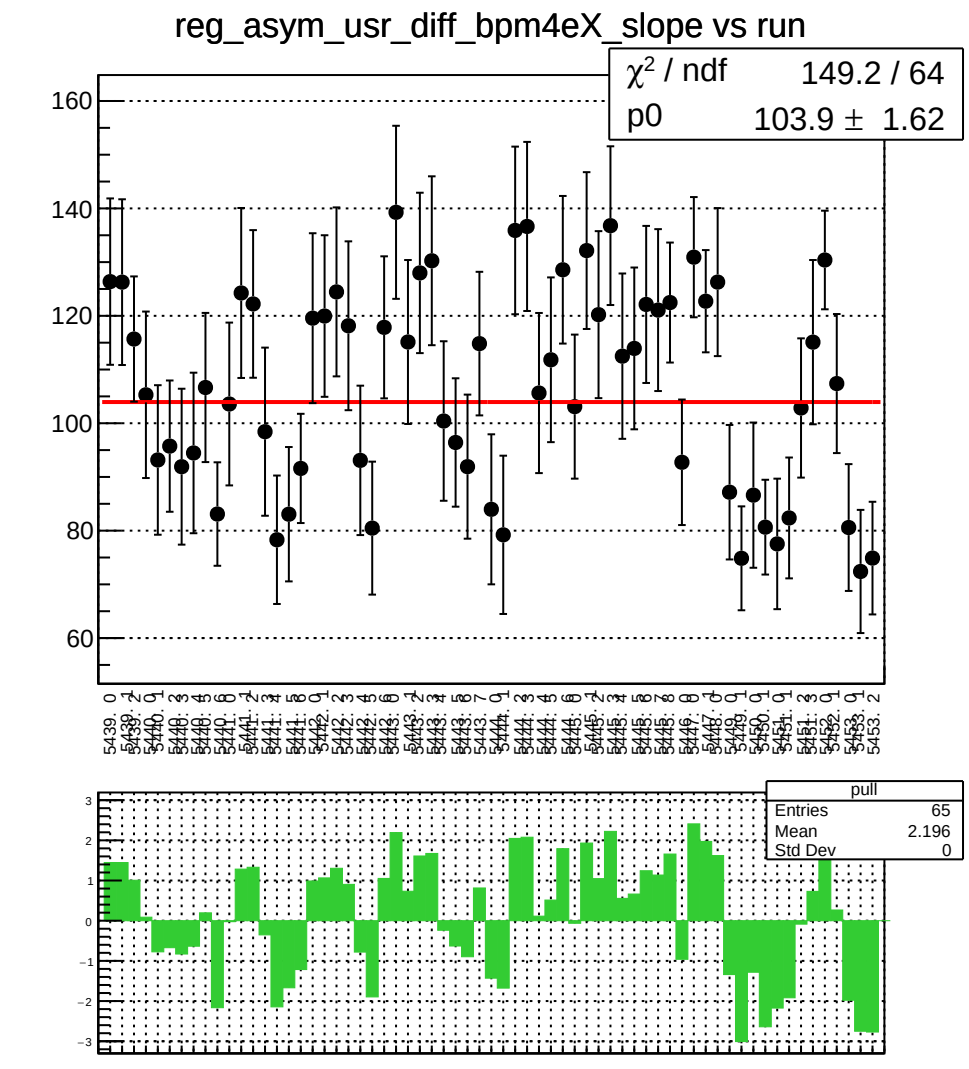

pull1D
Entries 65
Mean 0.01848
Std Dev 0.8623

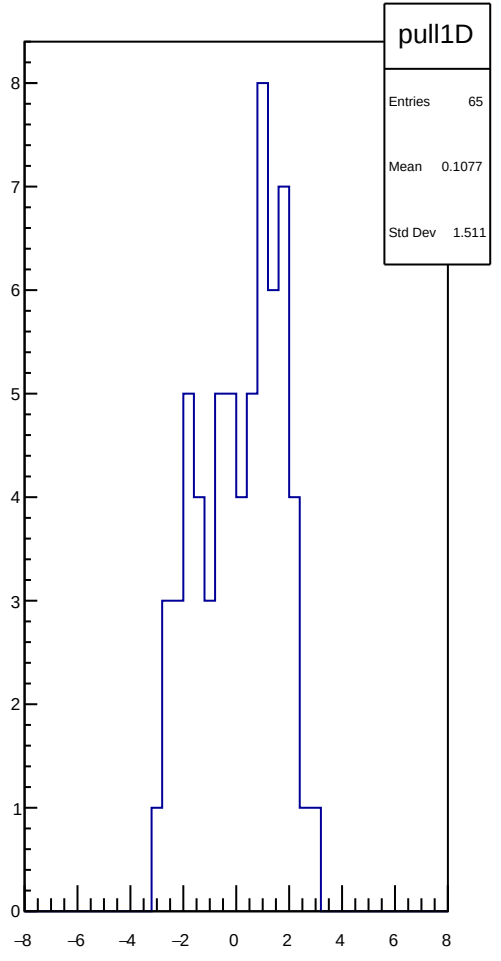

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 158.2 / 64
p0 −25.2 ± 2.069
pull
Entries 65
Mean 7.815
Std Dev 0

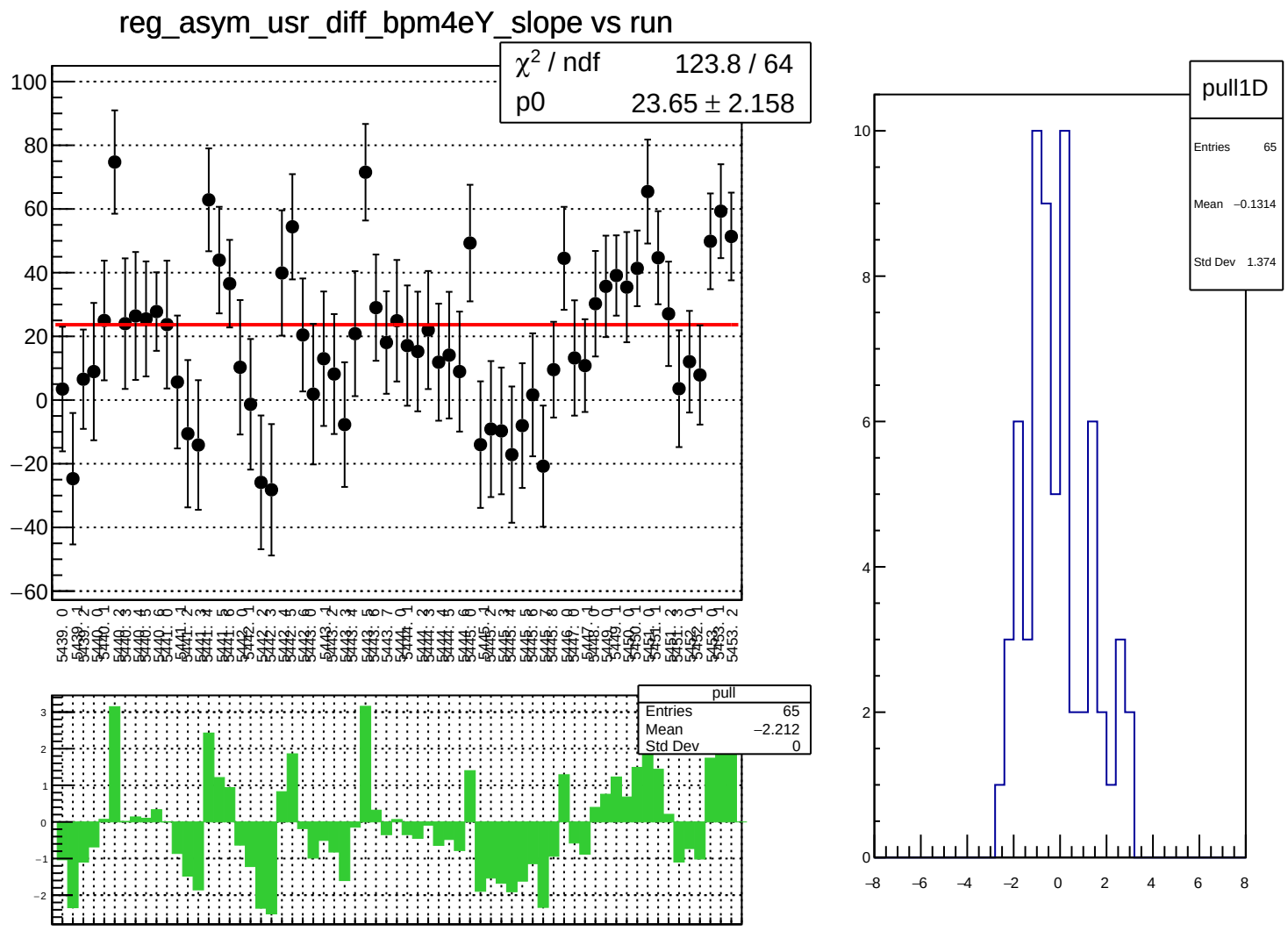

pull1D
Entries 65
Mean −0.09854
Std Dev 1.557

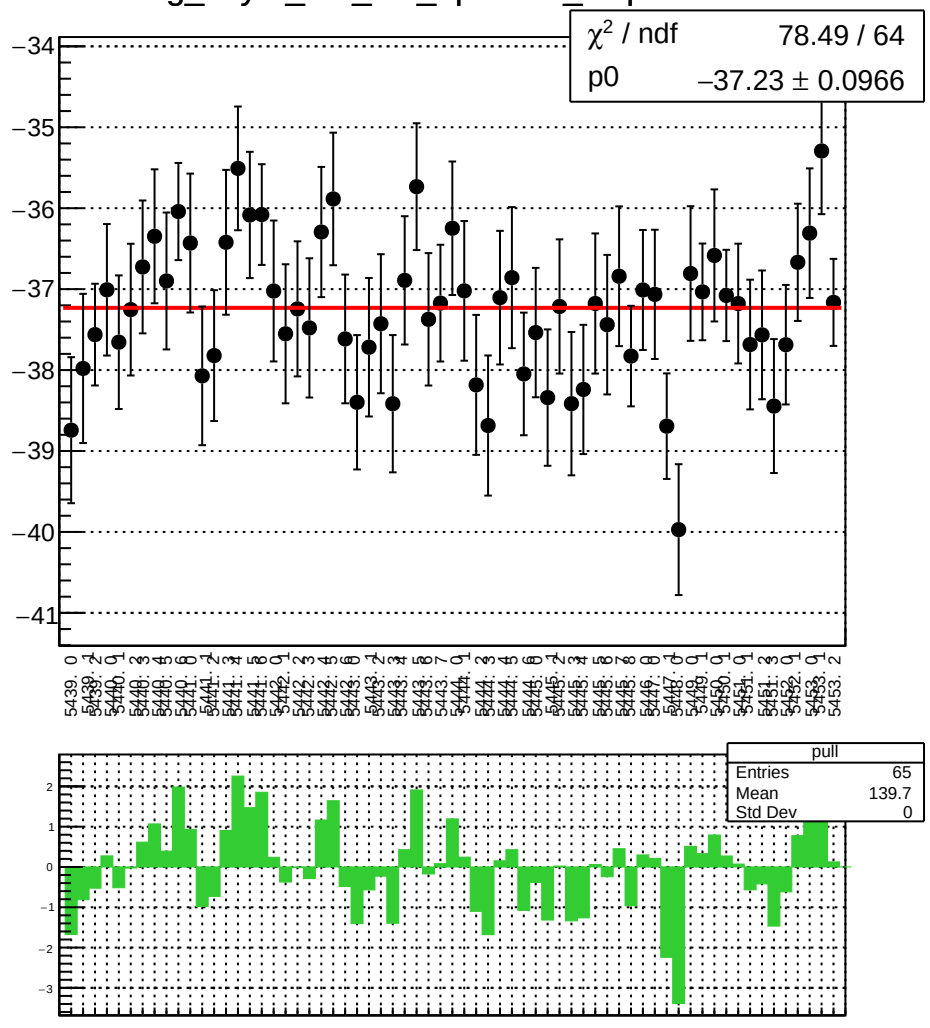

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 117.6 / 64
p0 −5.719 ± 1.695
pull
Entries 65
Mean −0.2383
Std Dev 0

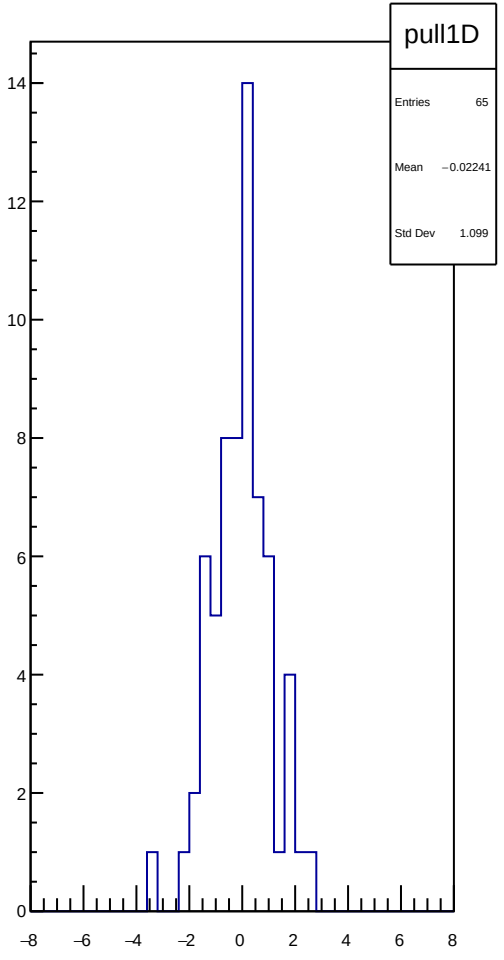

pull1D
Entries 65
Mean 0.1187
Std Dev 1.34

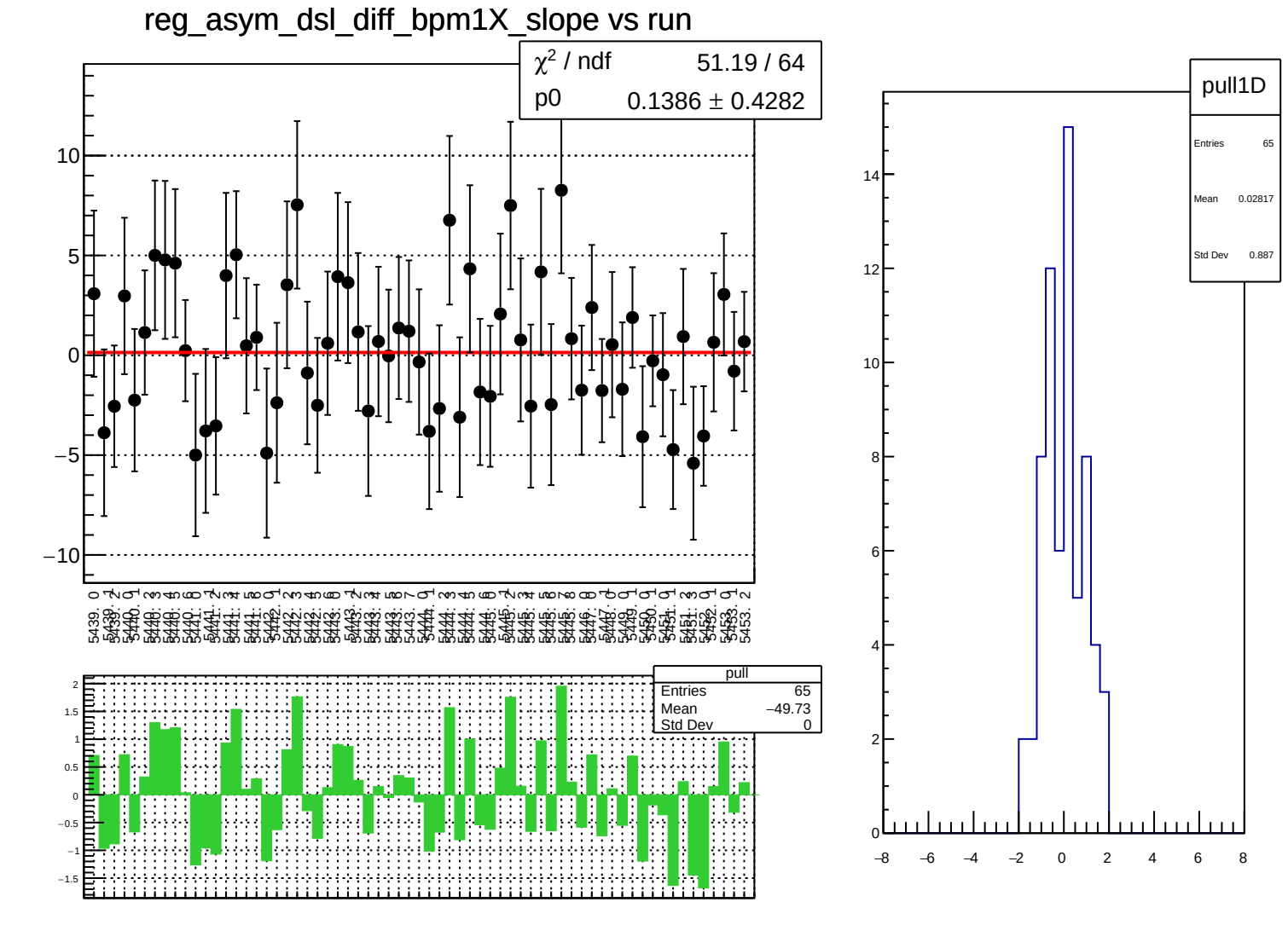

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 149.2 / 64
p0 103.9 ± 1.62
160
140
120
100
80
60
pull
Entries 65
Mean 2.196
Std Dev 0
3
2
1
0
−1
−2
−3

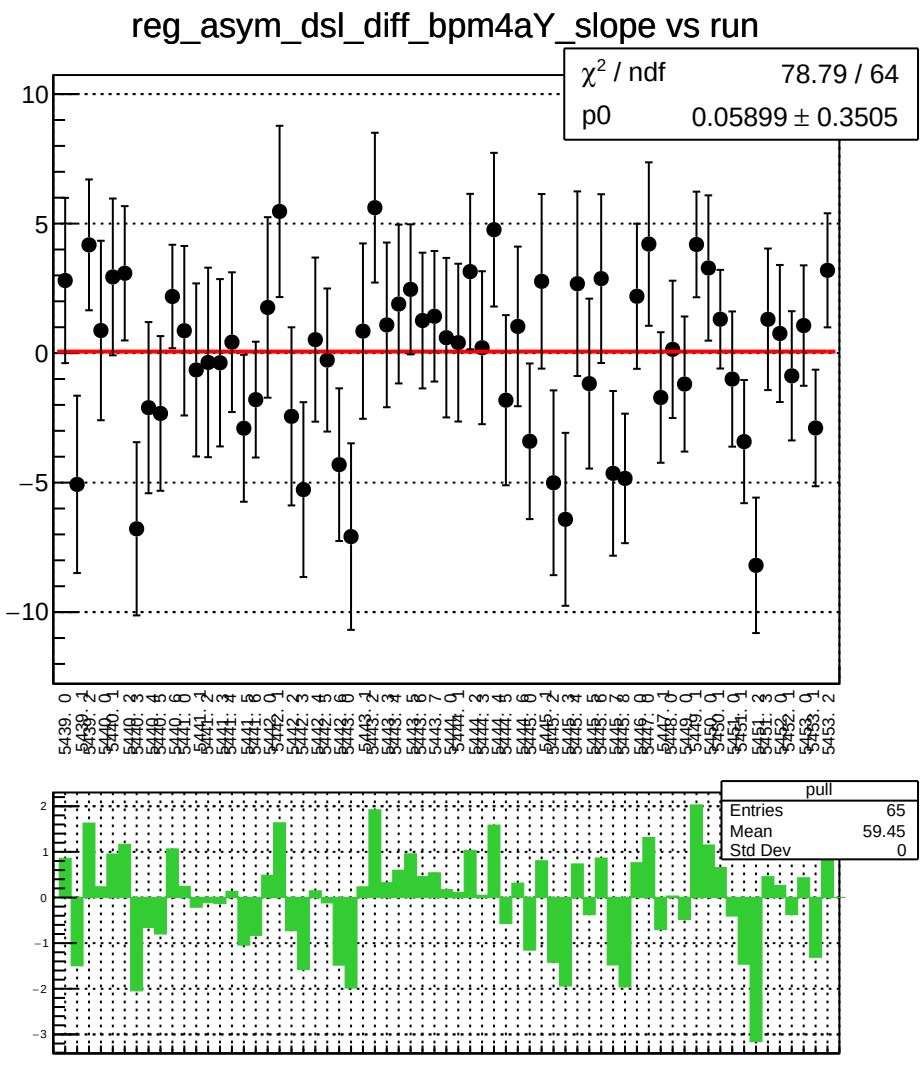

pull1D
Entries 65
Mean 0.1077
Std Dev 1.511
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

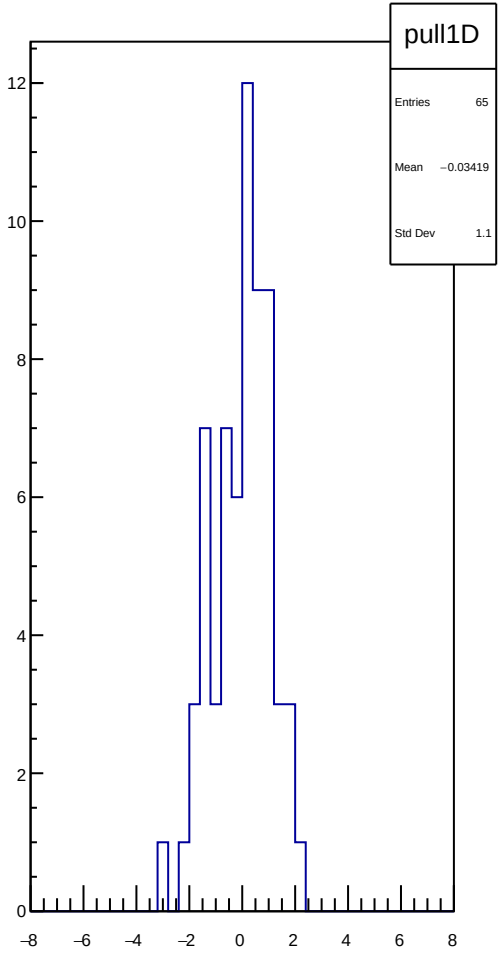

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 123.8 / 64
p0 23.65 ± 2.158
pull
Entries 65
Mean −2.212
Std Dev 0
pull1D
Entries 65
Mean −0.1314
Std Dev 1.374

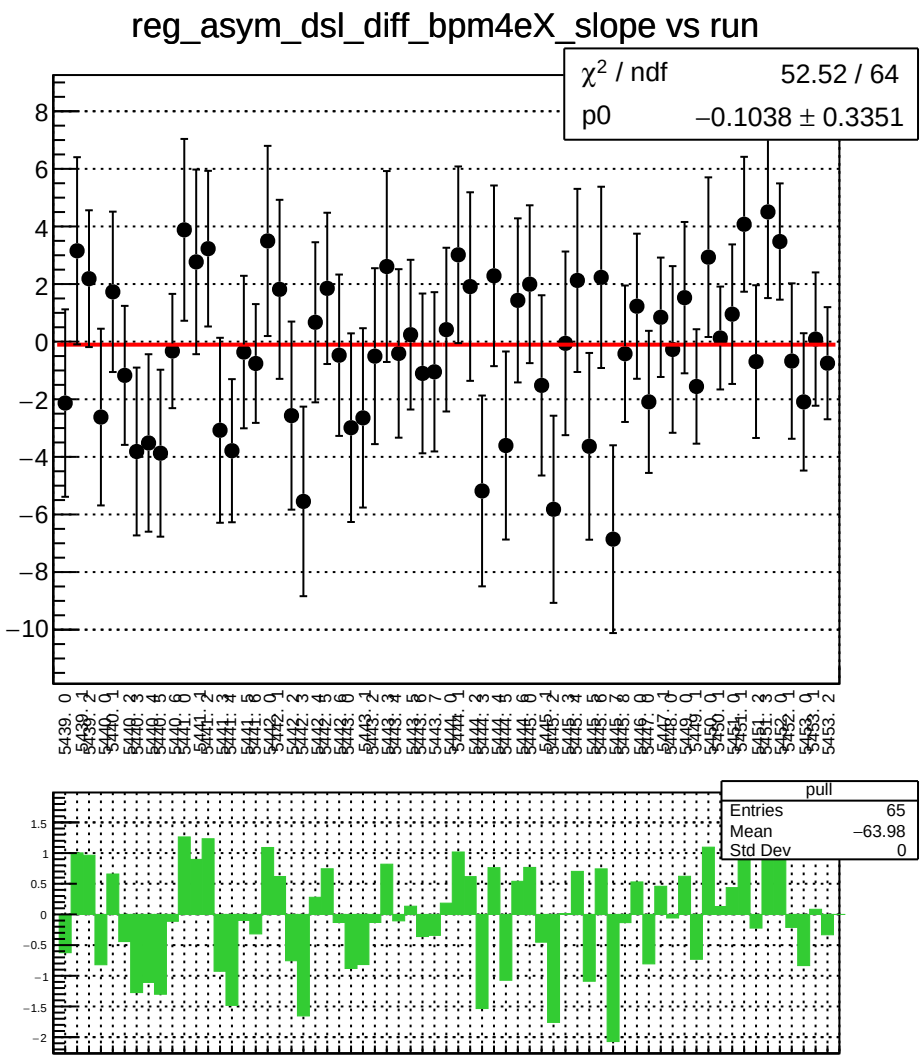

reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 78.49 / 64
p0 −37.23 ± 0.0966
pull
Entries 65
Mean 139.7
Std Dev 0

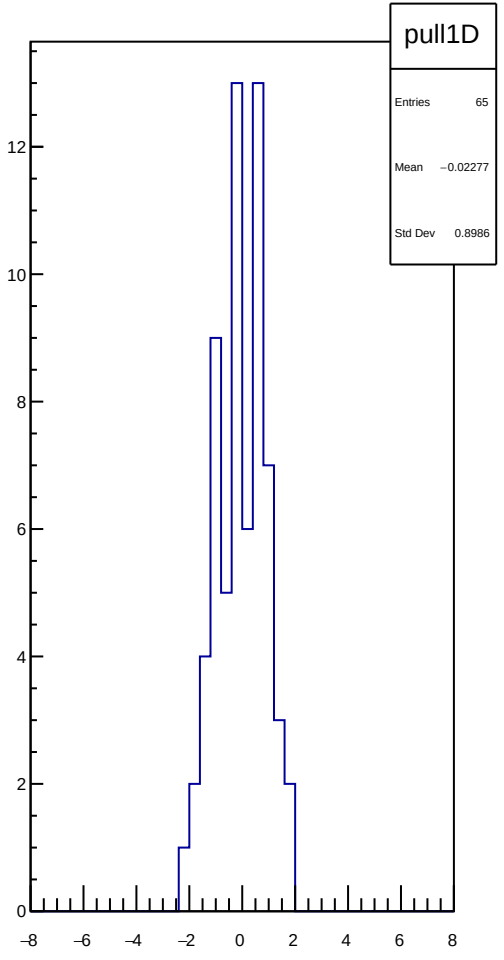

pull1D
Entries 65
Mean −0.02241
Std Dev 1.099

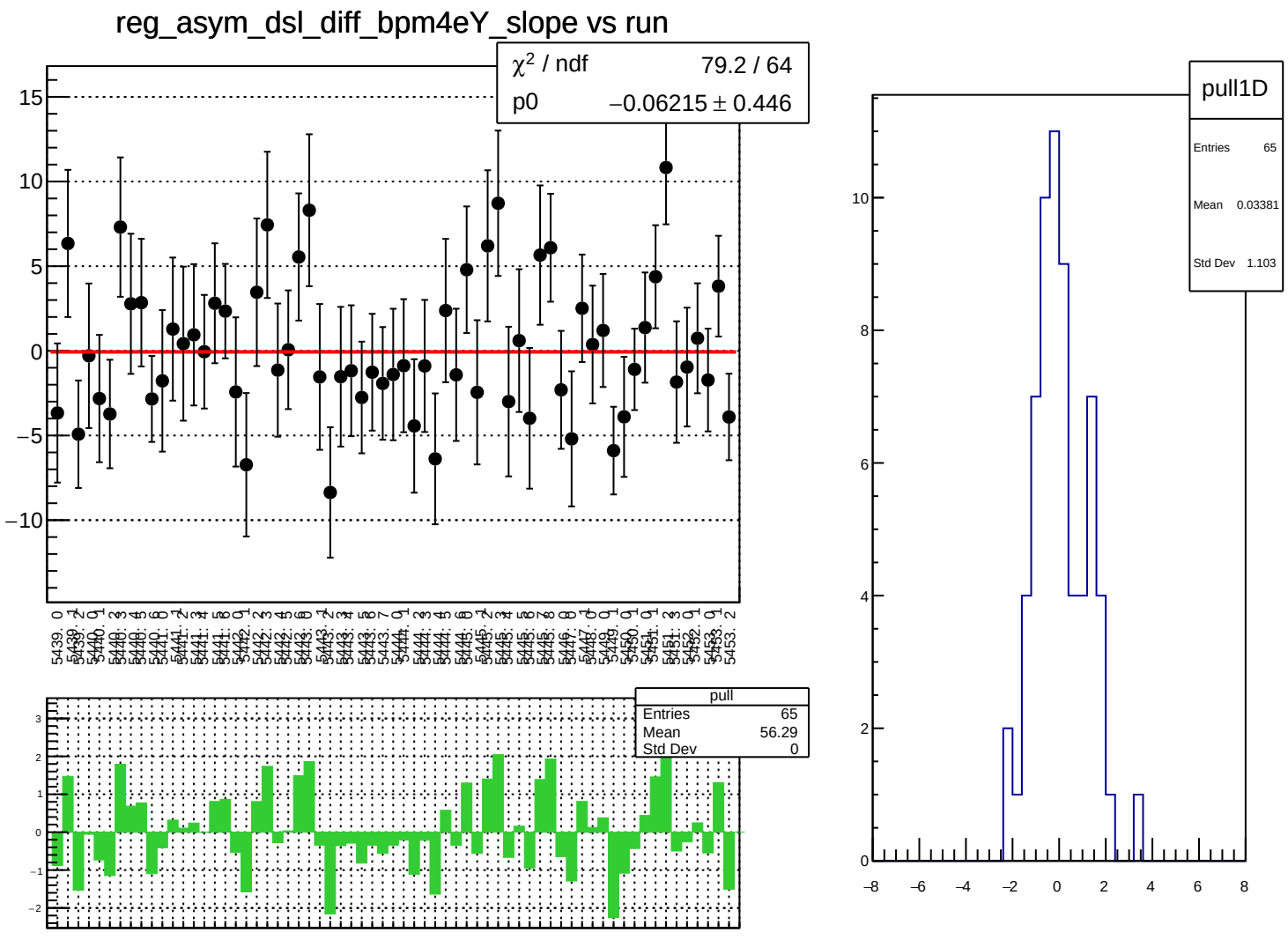

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 51.19 / 64
p0 0.1386 ± 0.4282
pull
Entries 65
Mean −49.73
Std Dev 0
pull1D
Entries 65
Mean 0.02817
Std Dev 0.887

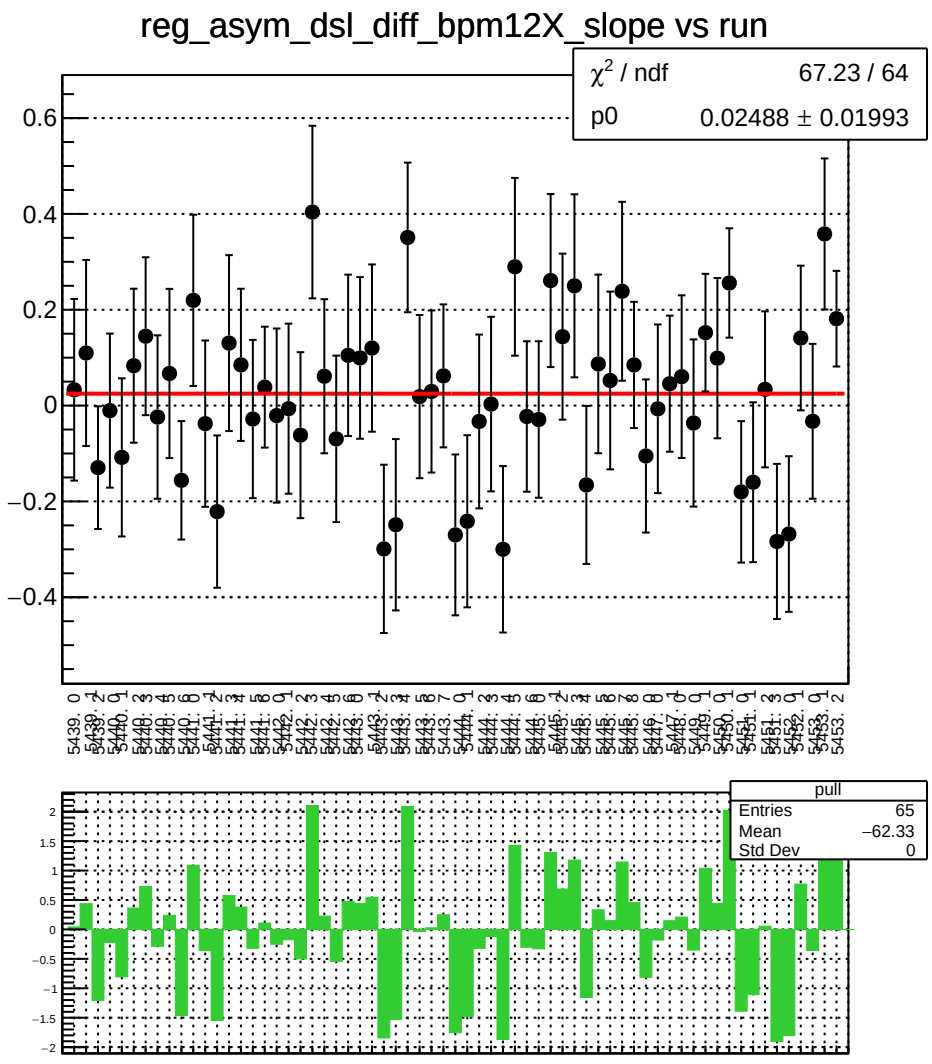

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 78.79 / 64
p0 0.05899 ± 0.3505
pull
Entries 65
Mean 59.45
Std Dev 0

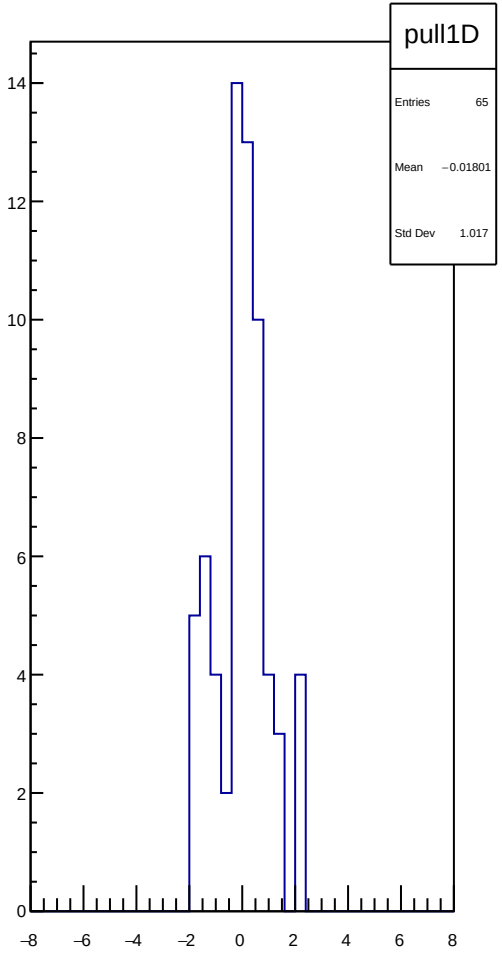

pull1D
Entries 65
Mean −0.03419
Std Dev 1.1

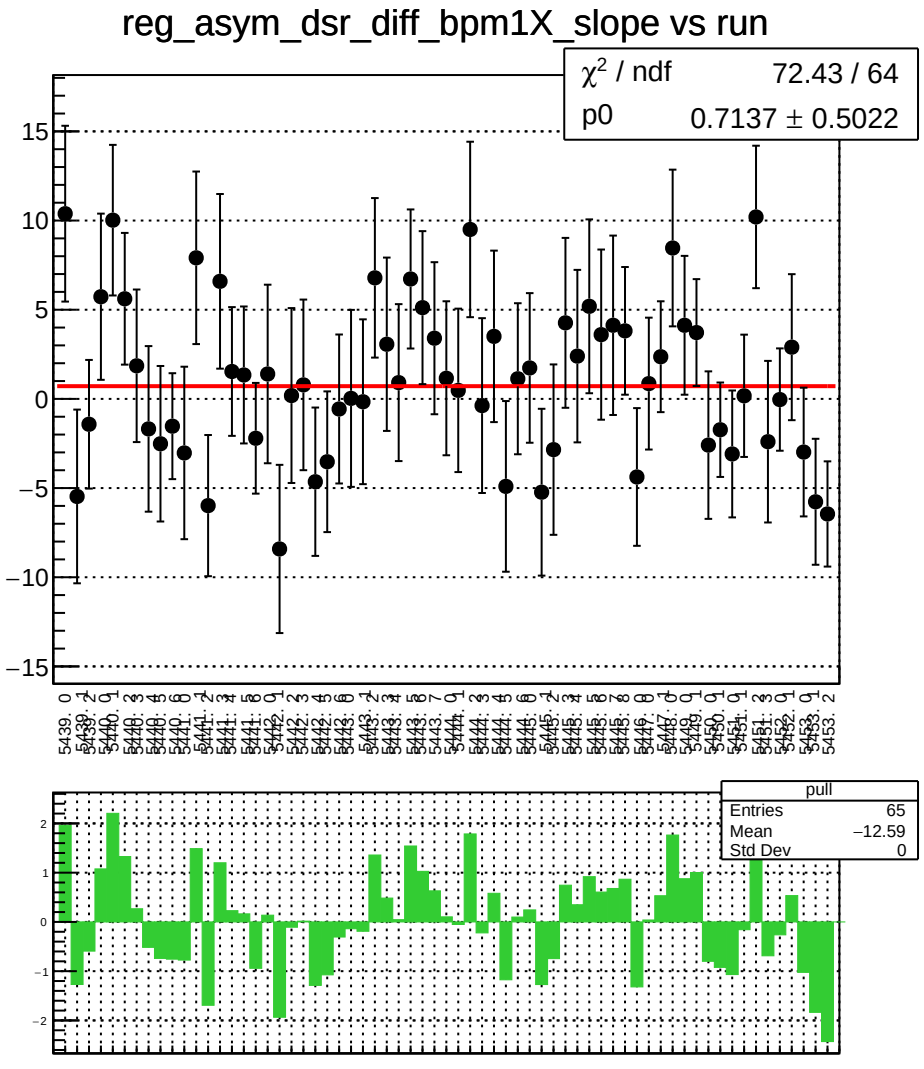

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 52.52 / 64
p0 −0.1038 ± 0.3351
pull
Entries 65
Mean −63.98
Std Dev 0

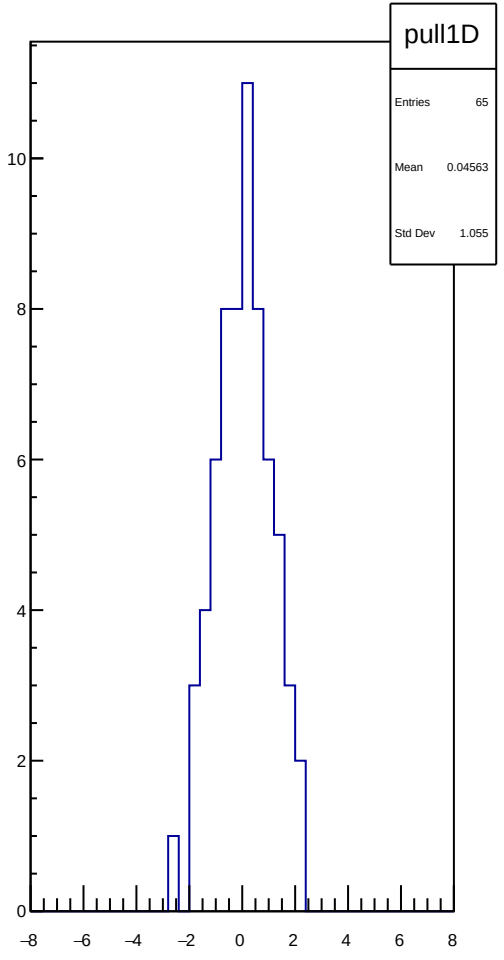

pull1D
Entries 65
Mean −0.02277
Std Dev 0.8986

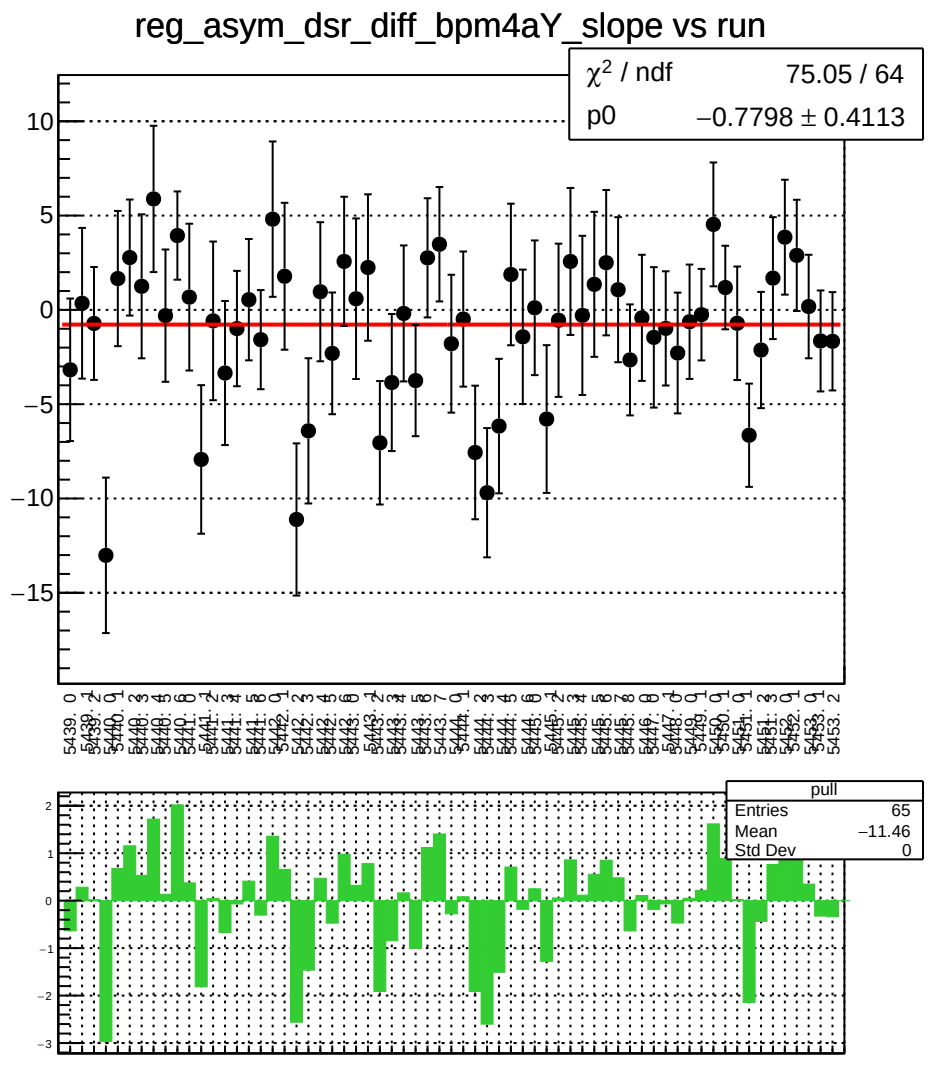

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 79.2 / 64
p0 −0.06215 ± 0.446
pull
Entries 65
Mean 56.29
Std Dev 0
pull1D
Entries 65
Mean 0.03381
Std Dev 1.103

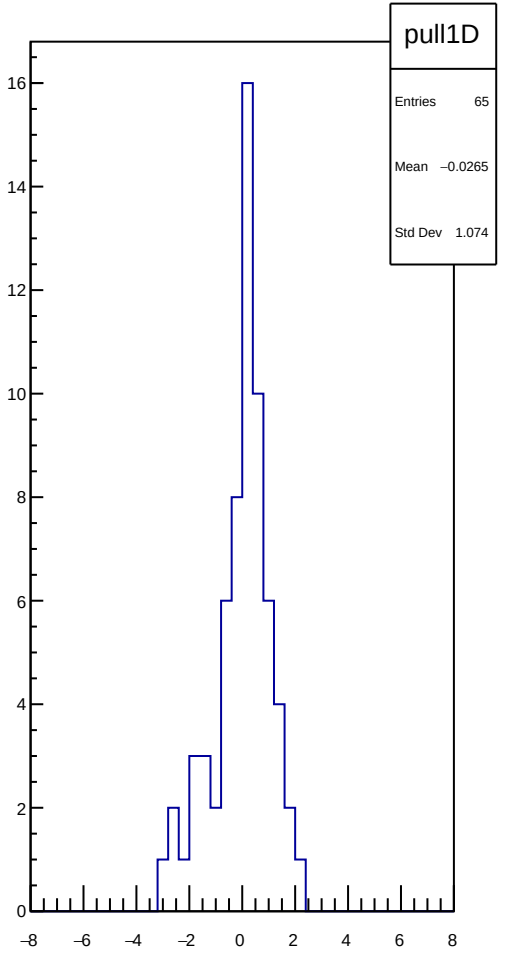

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 67.23 / 64
p0 0.02488 ± 0.01993
pull
Entries 65
Mean −62.33
Std Dev 0

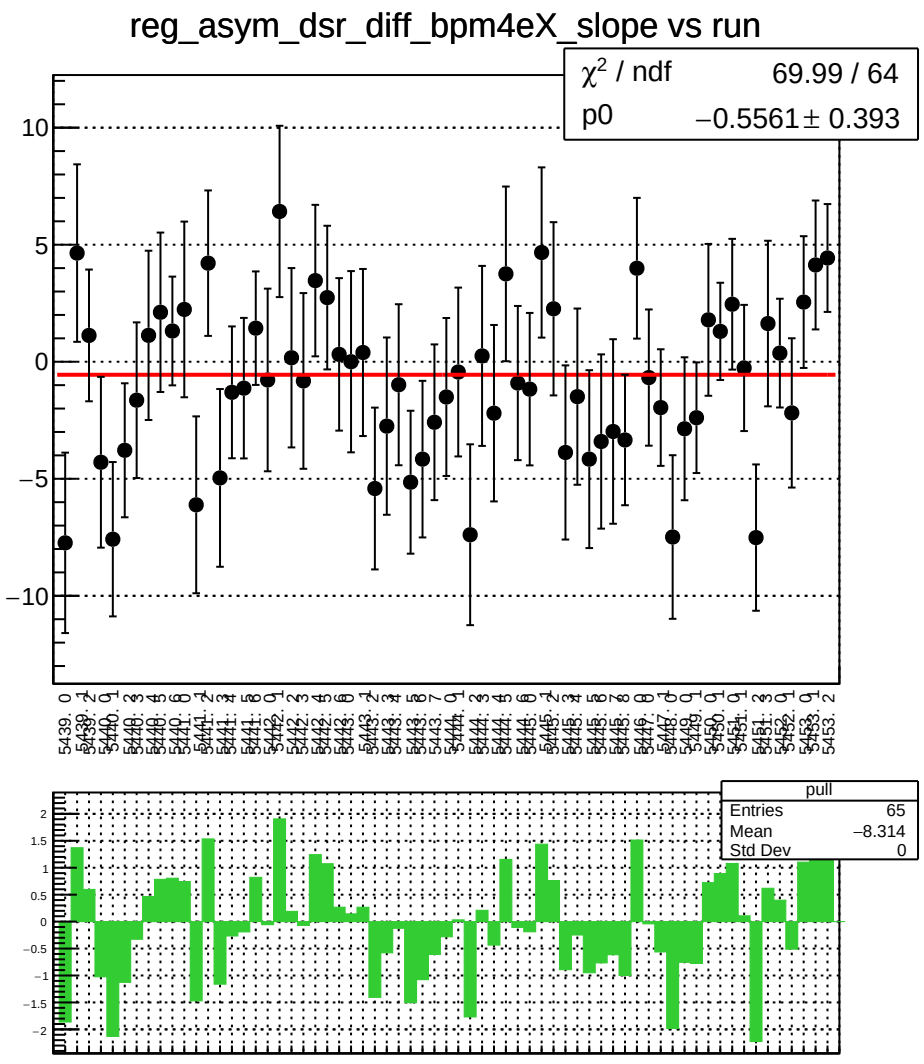

pull1D
Entries 65
Mean −0.01801
Std Dev 1.017

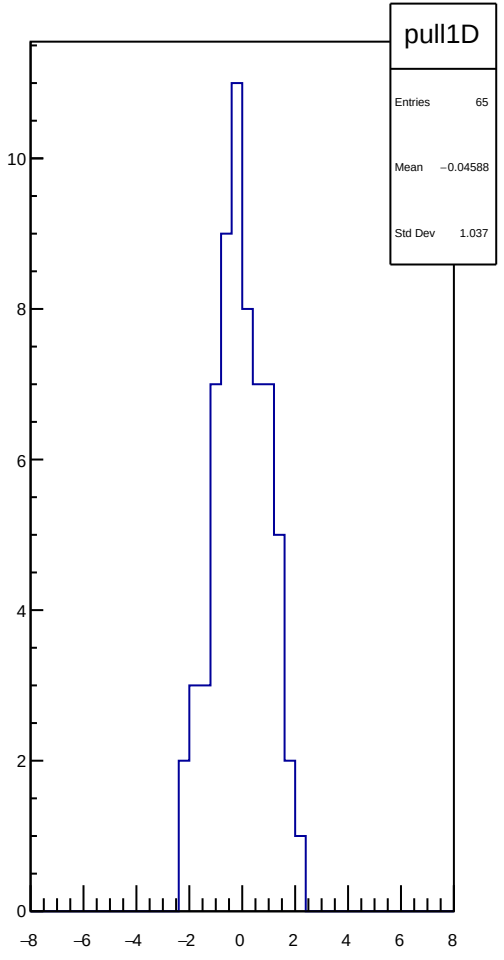

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 72.43 / 64
p0 0.7137 ± 0.5022
pull
Entries 65
Mean −12.59
Std Dev 0

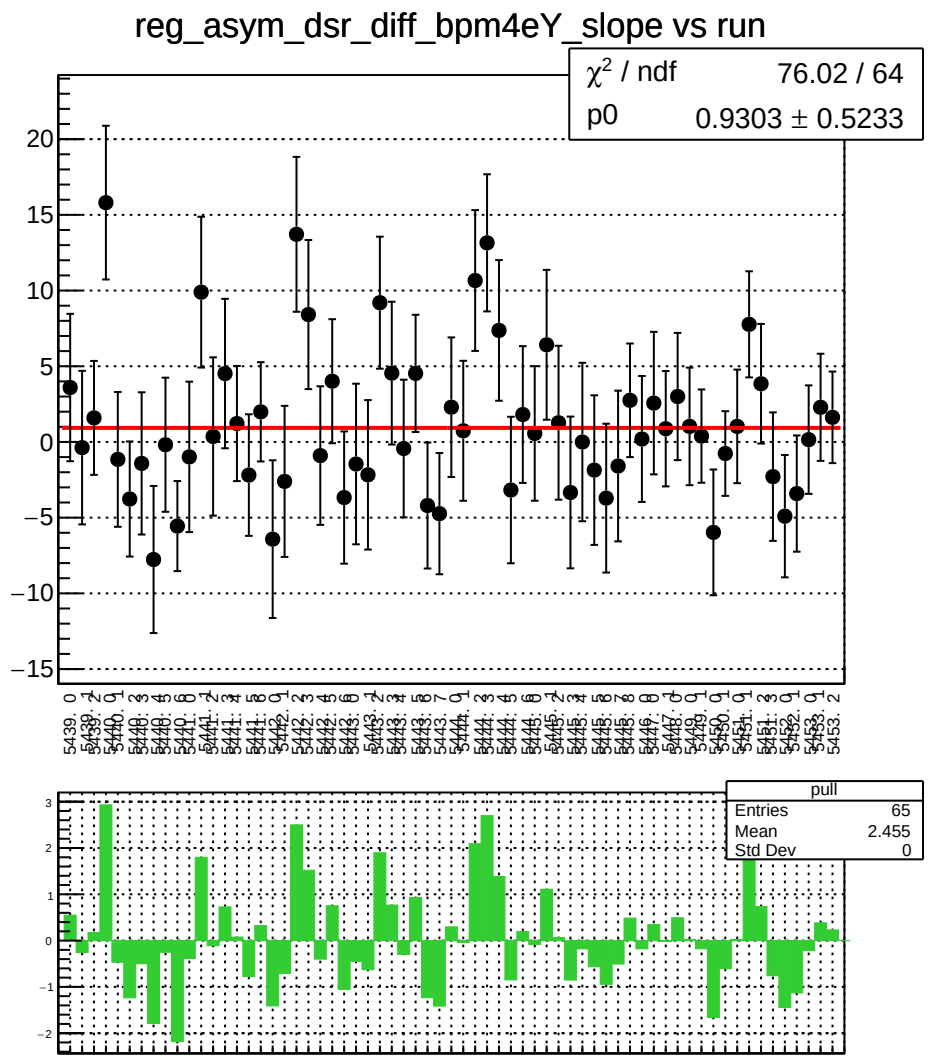

pull1D
Entries 65
Mean 0.04563
Std Dev 1.055

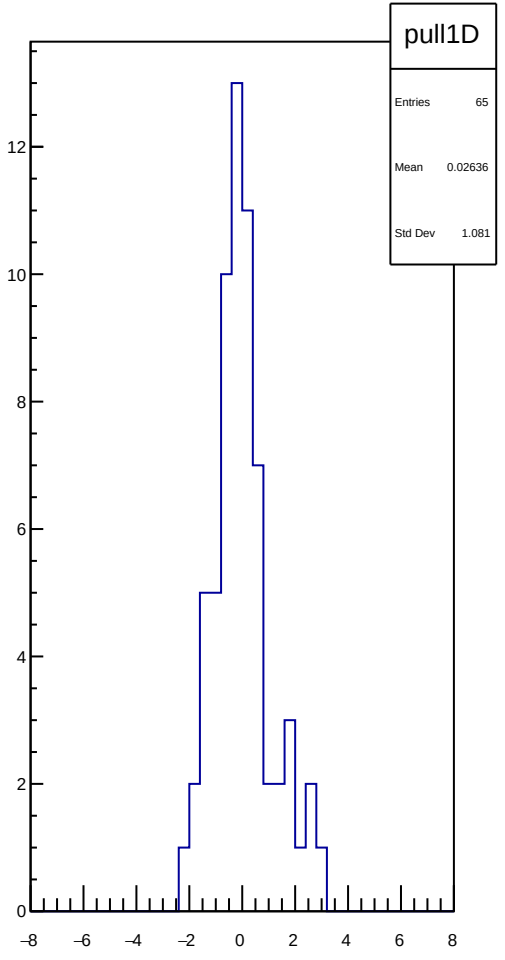

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 75.05 / 64
p0 −0.7798 ± 0.4113
pull
Entries 65
Mean −11.46
Std Dev 0

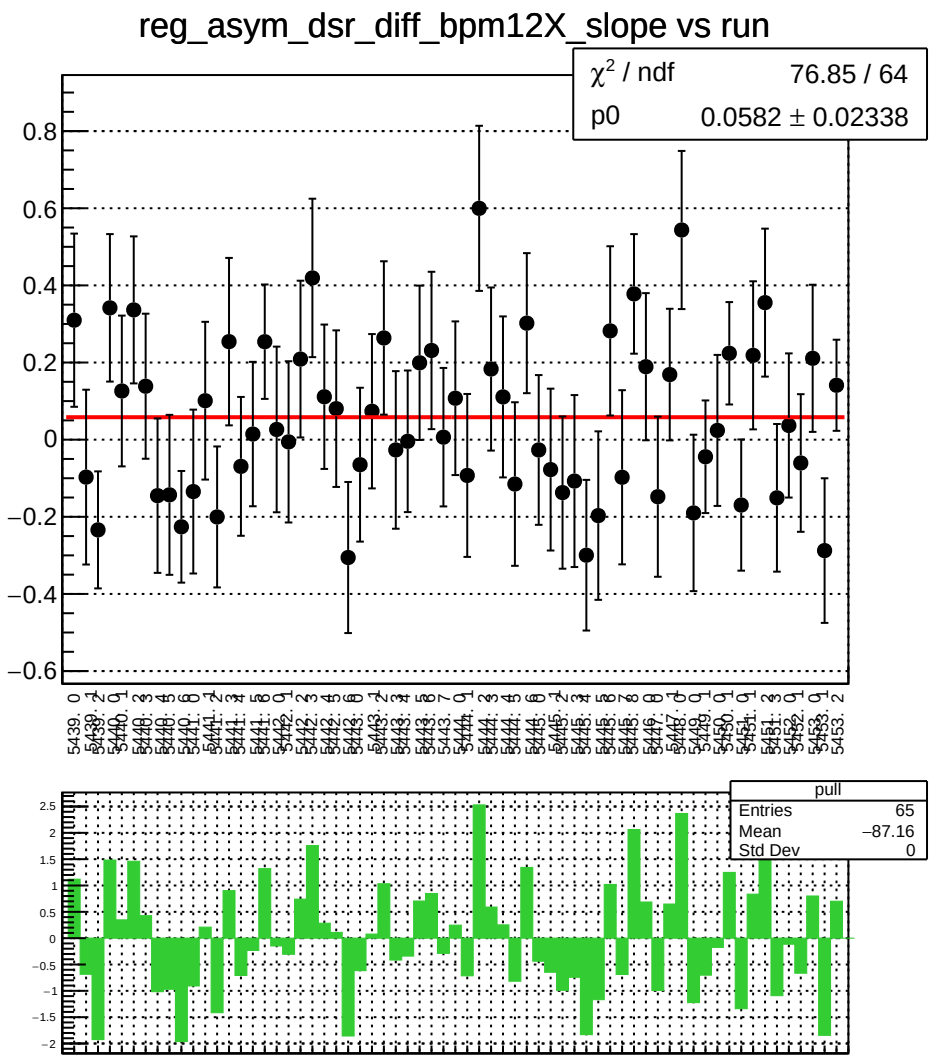

pull1D
Entries 65
Mean −0.0265
Std Dev 1.074

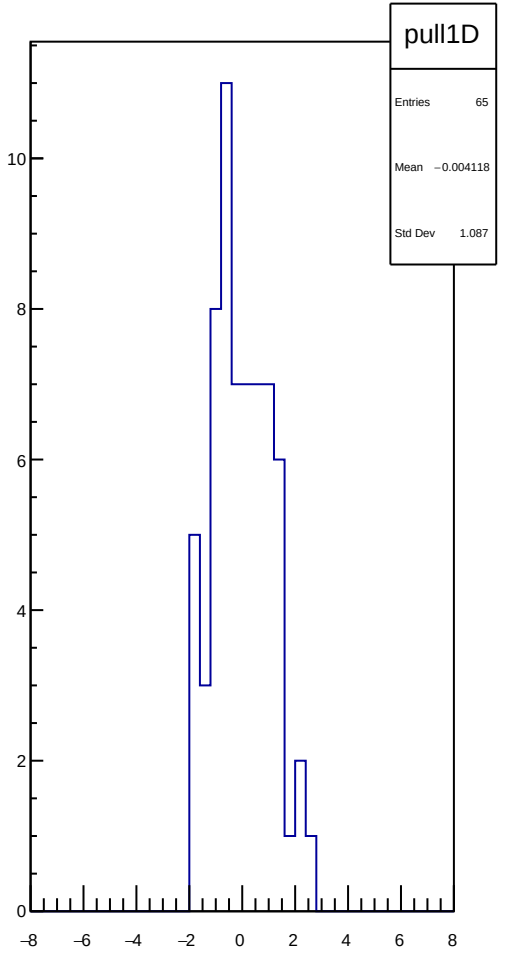

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 69.99 / 64
p0 −0.5561 ± 0.393
pull
Entries 65
Mean −8.314
Std Dev 0

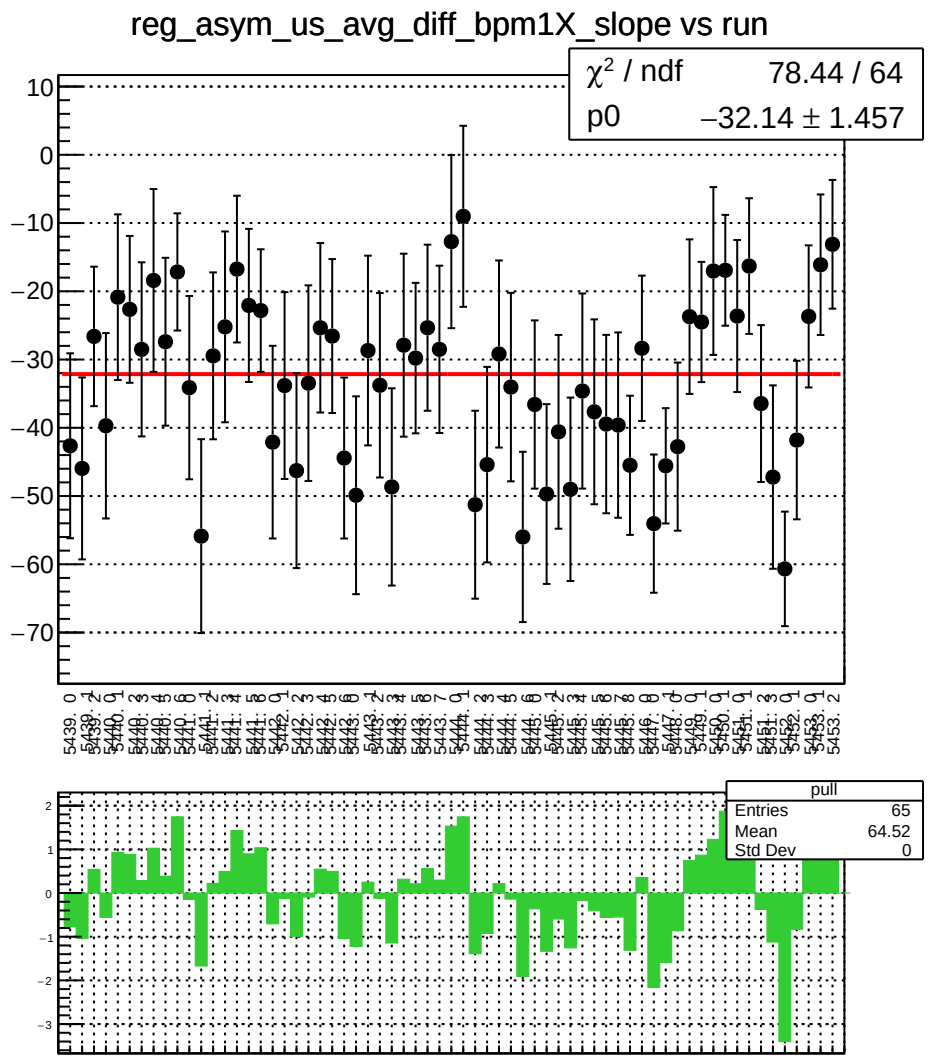

pull1D
Entries 65
Mean −0.04588
Std Dev 1.037

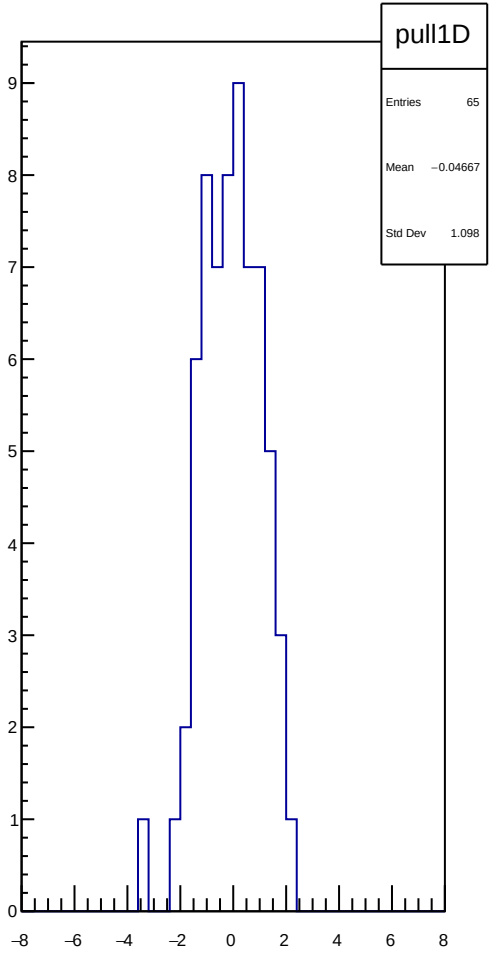

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 76.02 / 64
p0 0.9303 ± 0.5233
pull
Entries 65
Mean 2.455
Std Dev 0

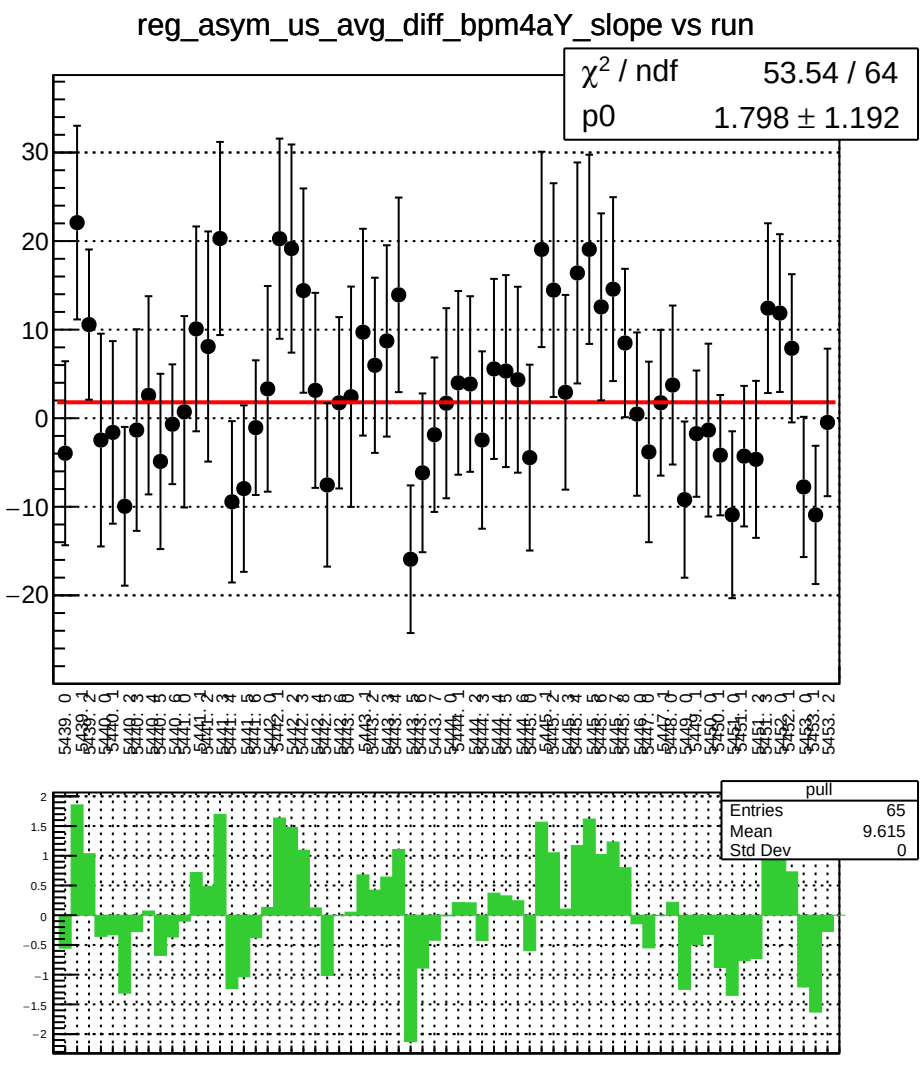

pull1D
Entries 65
Mean 0.02636
Std Dev 1.081

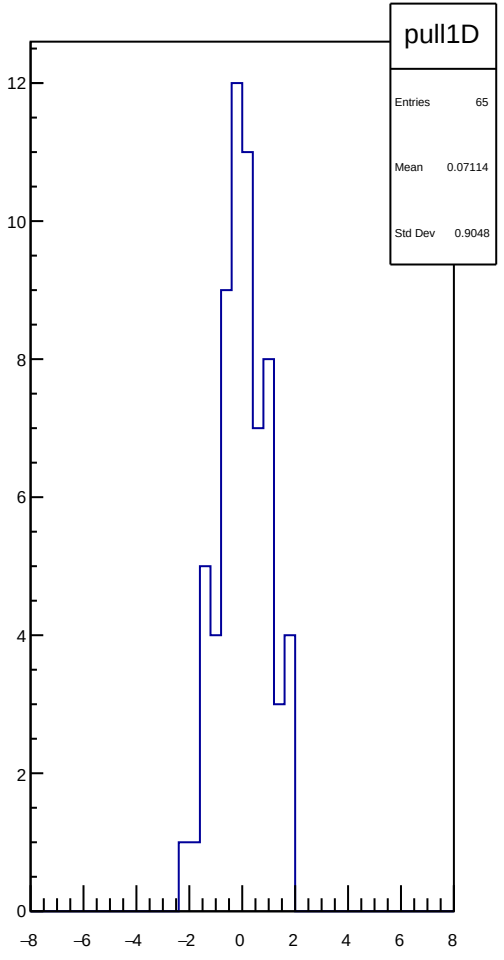

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 76.85 / 64
p0 0.0582 ± 0.02338
pull
Entries 65
Mean −87.16
Std Dev 0

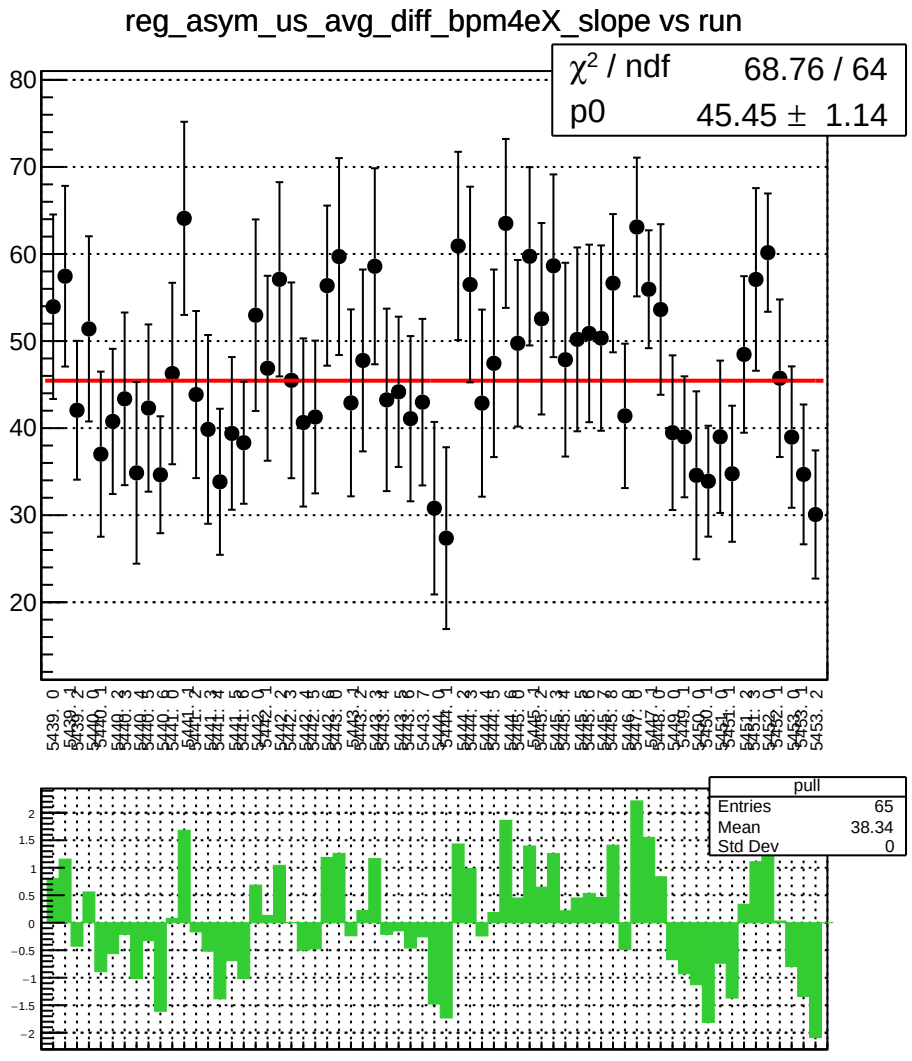

pull1D
Entries 65
Mean −0.004118
Std Dev 1.087

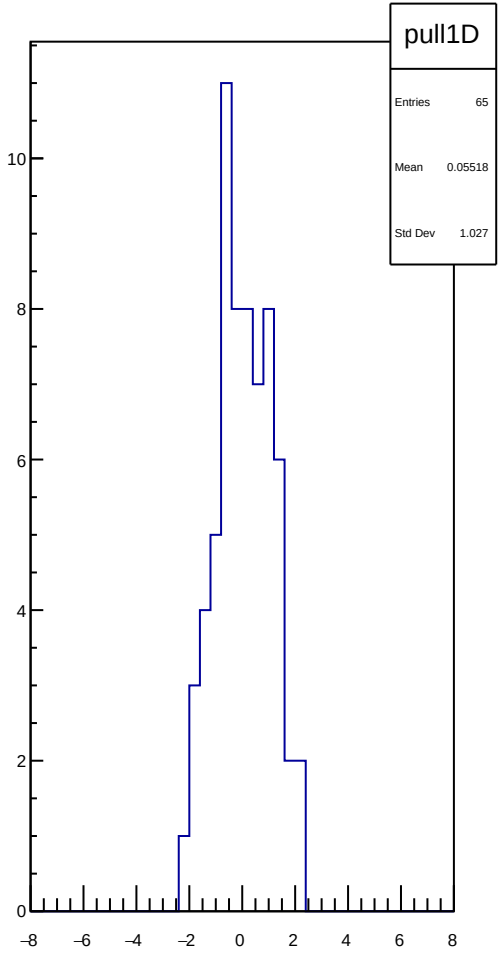

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 78.44 / 64
p0 −32.14 ± 1.457
pull
Entries 65
Mean 64.52
Std Dev 0

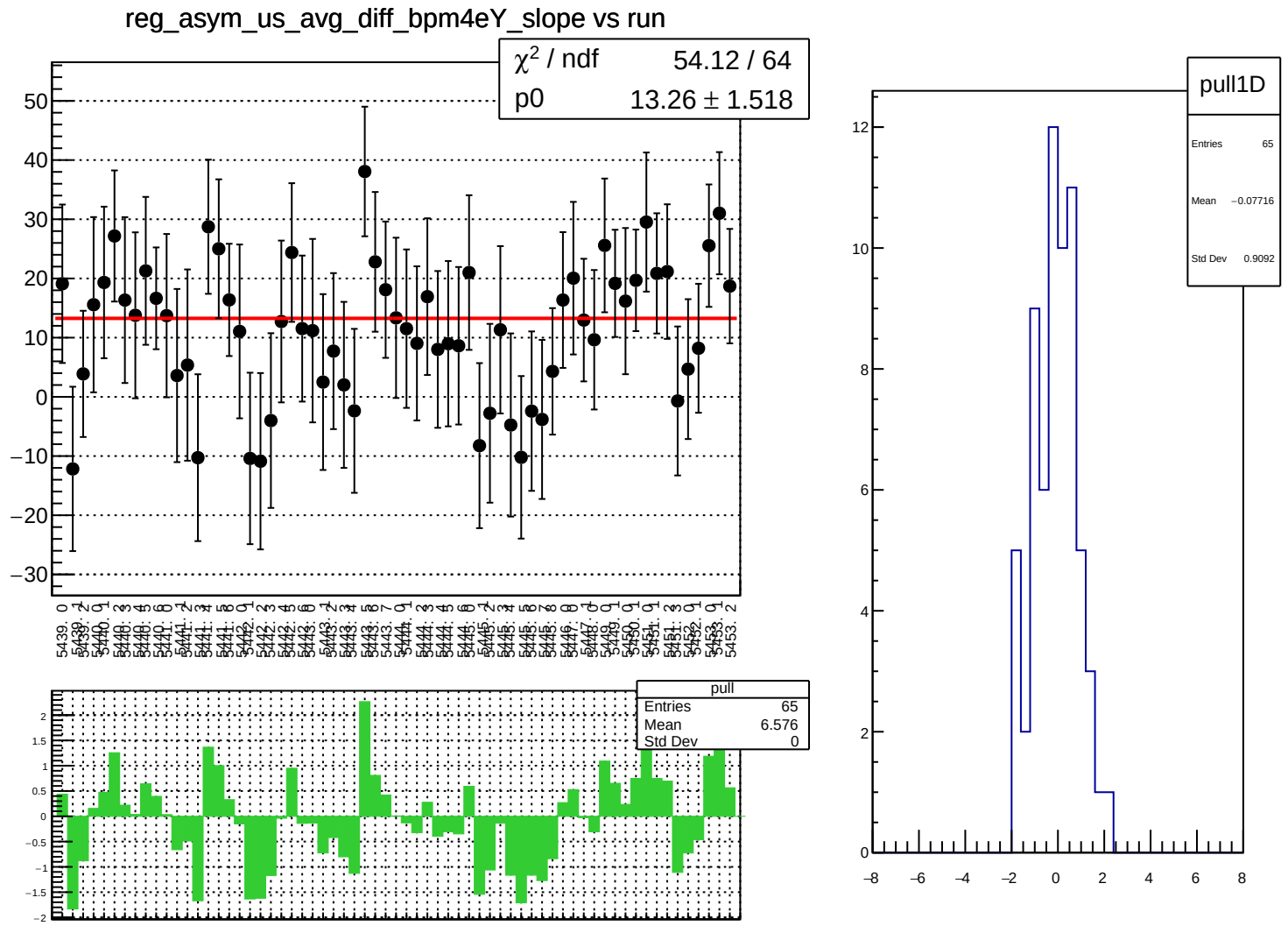

pull1D
Entries 65
Mean −0.04667
Std Dev 1.098

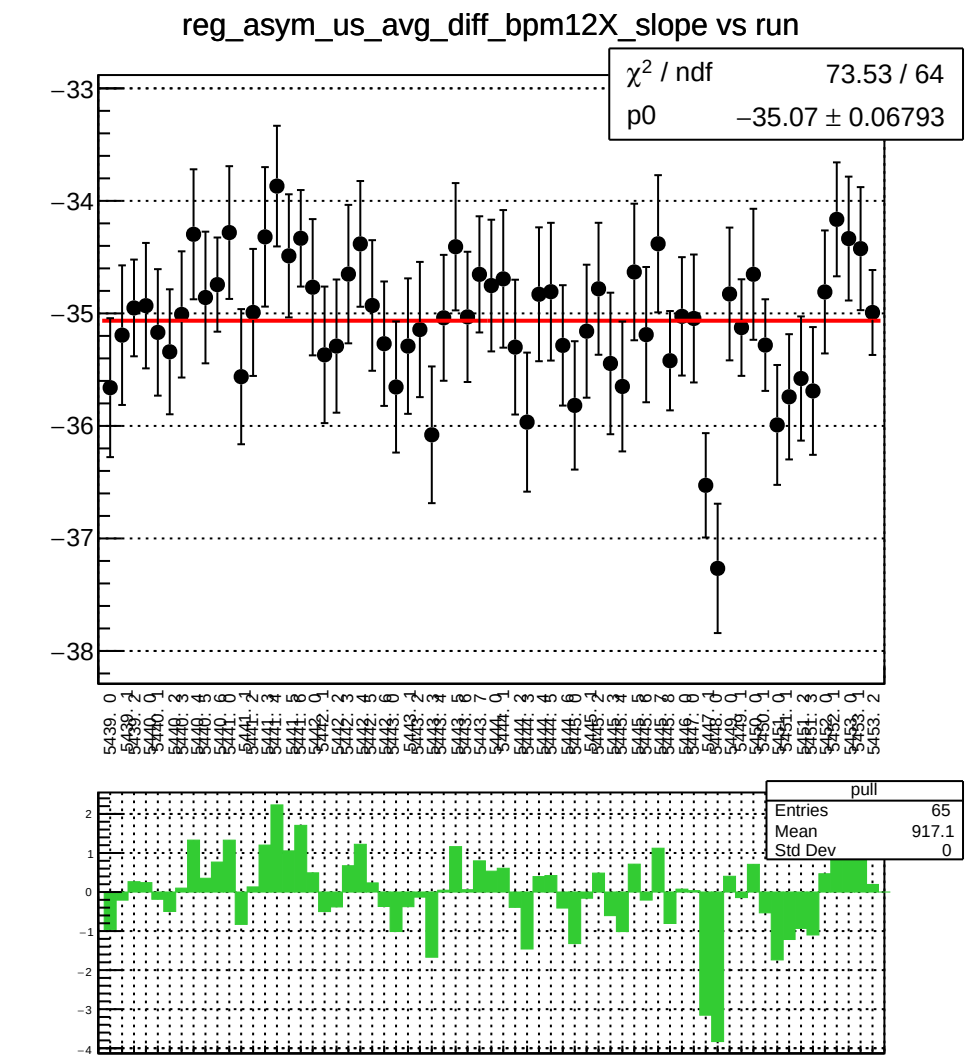

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 53.54 / 64
p0 1.798 ± 1.192
pull
Entries 65
Mean 9.615
Std Dev 0

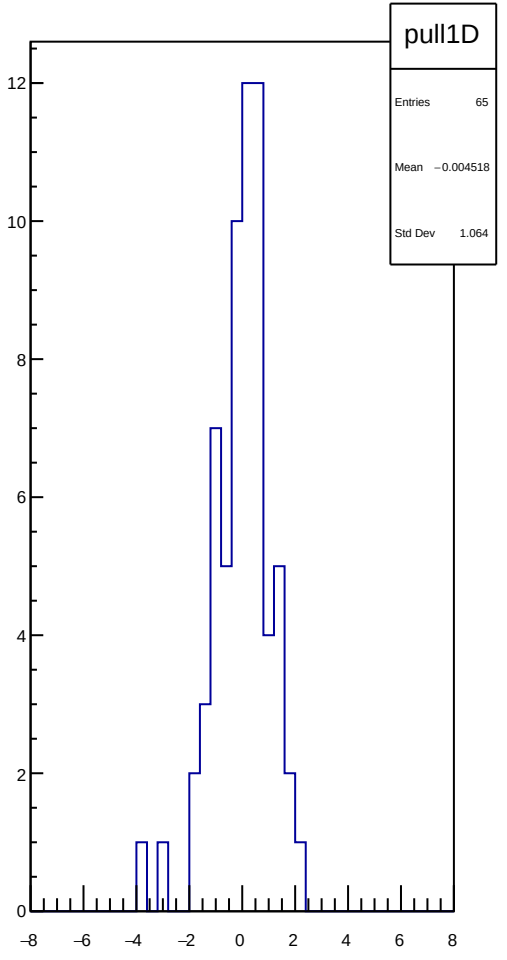

pull1D
Entries 65
Mean 0.07114
Std Dev 0.9048

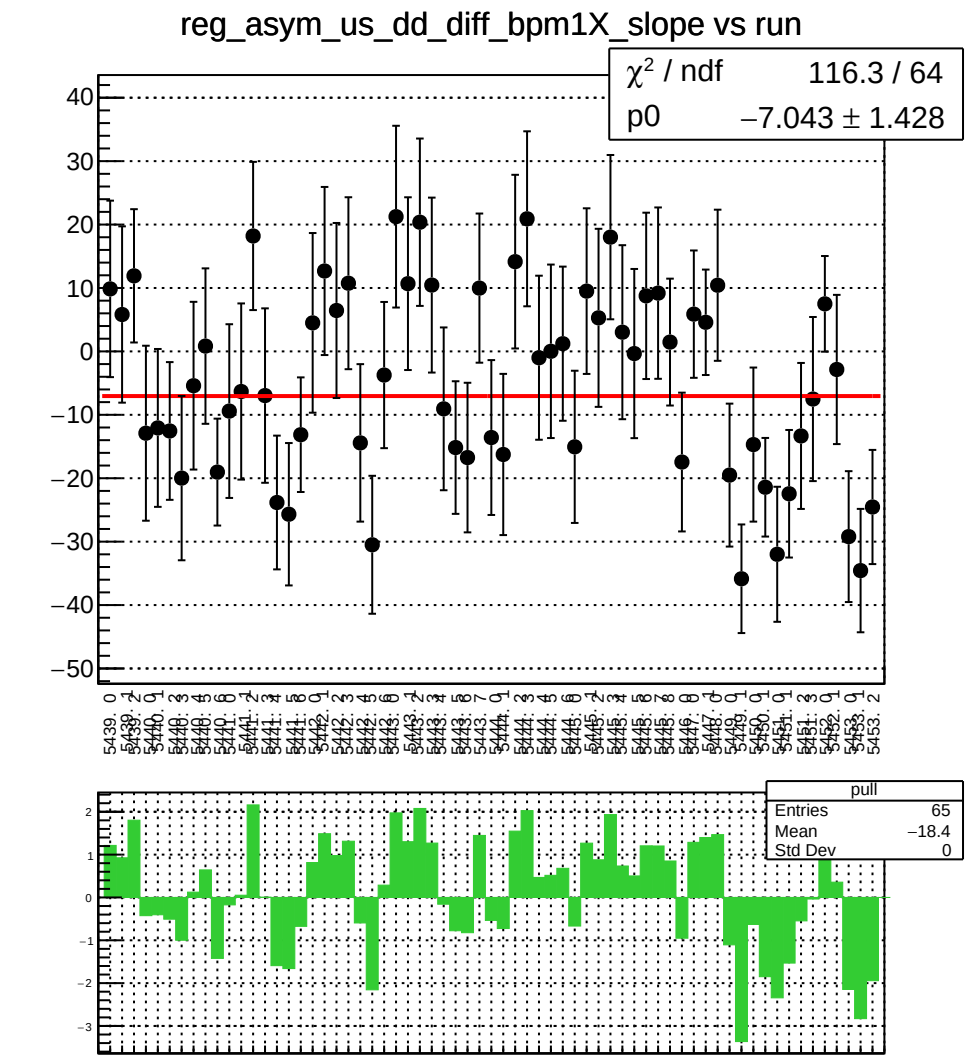

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.76 / 64
p0 45.45 ± 1.14
pull
Entries 65
Mean 38.34
Std Dev 0

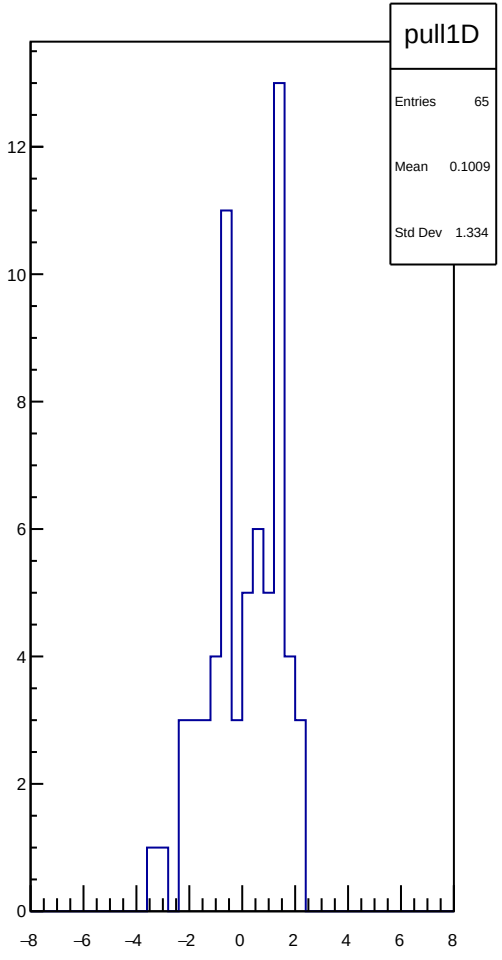

pull1D
Entries 65
Mean 0.05518
Std Dev 1.027

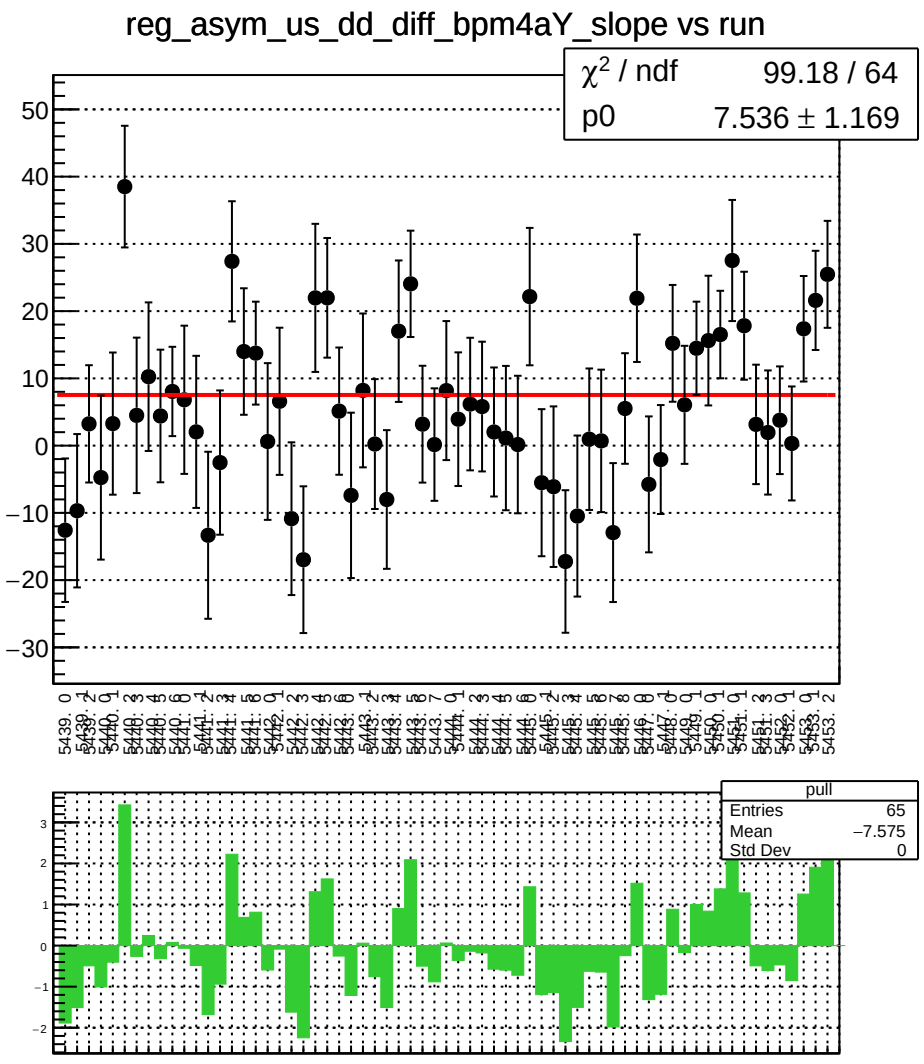

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.12 / 64
p0 13.26 ± 1.518
pull
Entries 65
Mean 6.576
Std Dev 0
pull1D
Entries 65
Mean −0.07716
Std Dev 0.9092

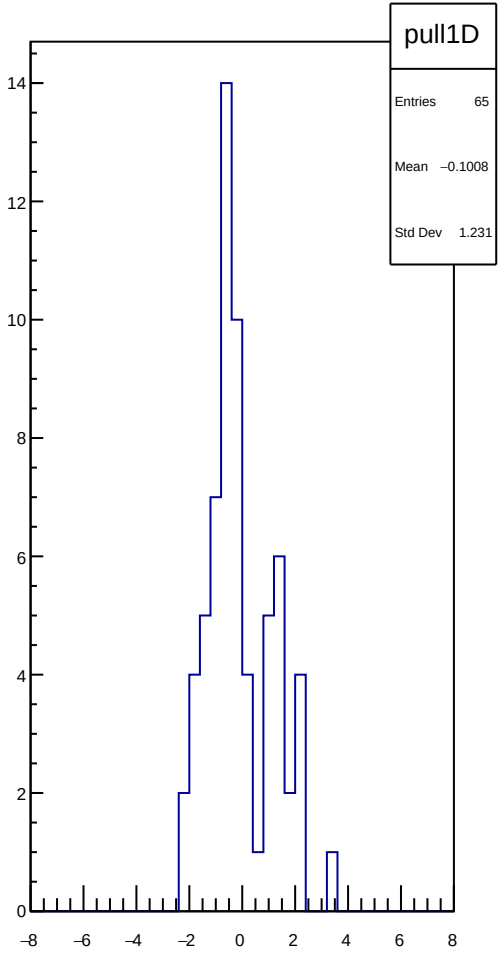

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 73.53 / 64
p0 −35.07 ± 0.06793
pull
Entries 65
Mean 917.1
Std Dev 0

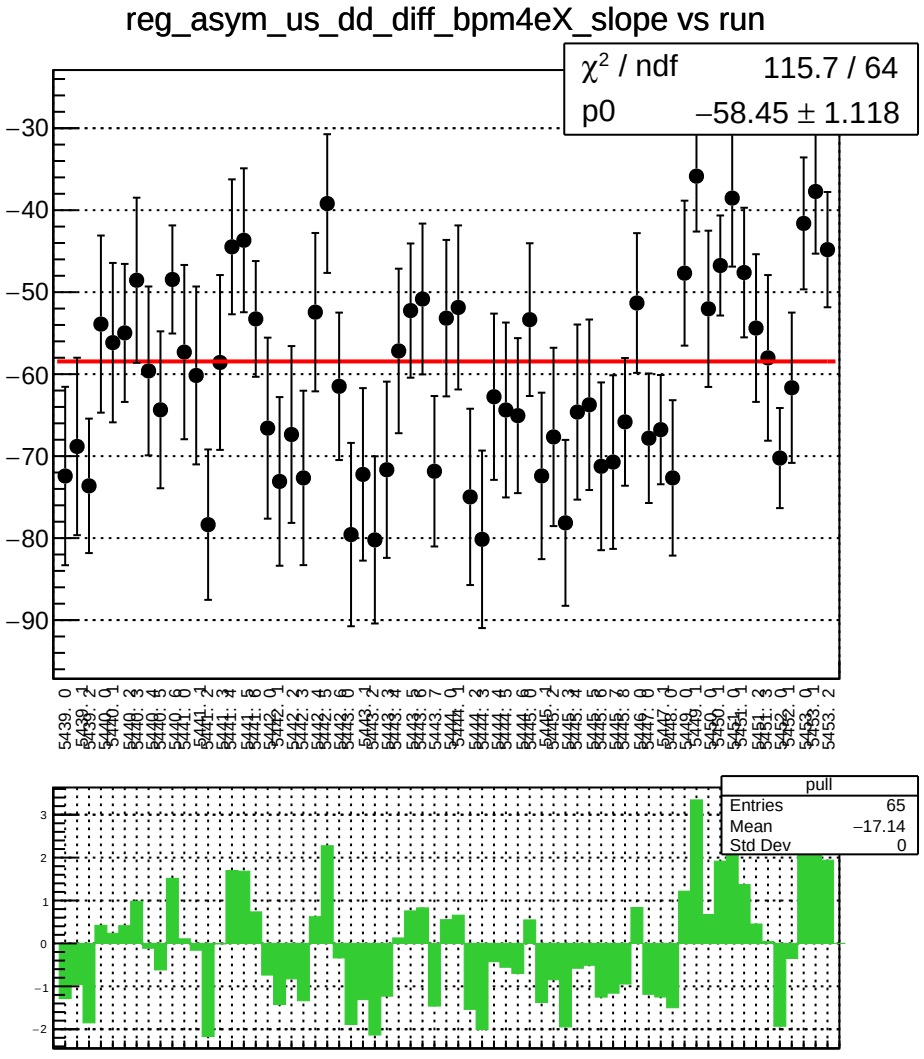

pull1D
Entries 65
Mean −0.004518
Std Dev 1.064

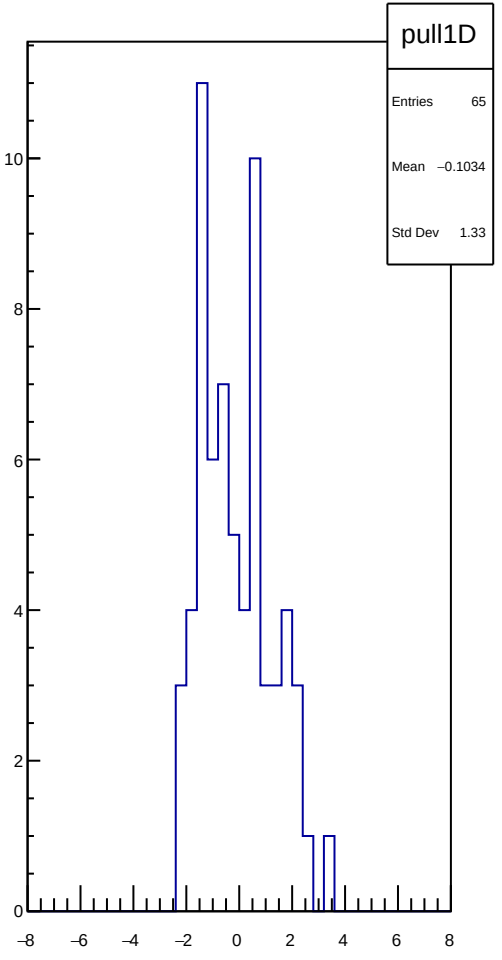

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 116.3 / 64
p0 −7.043 ± 1.428
pull
Entries 65
Mean −18.4
Std Dev 0

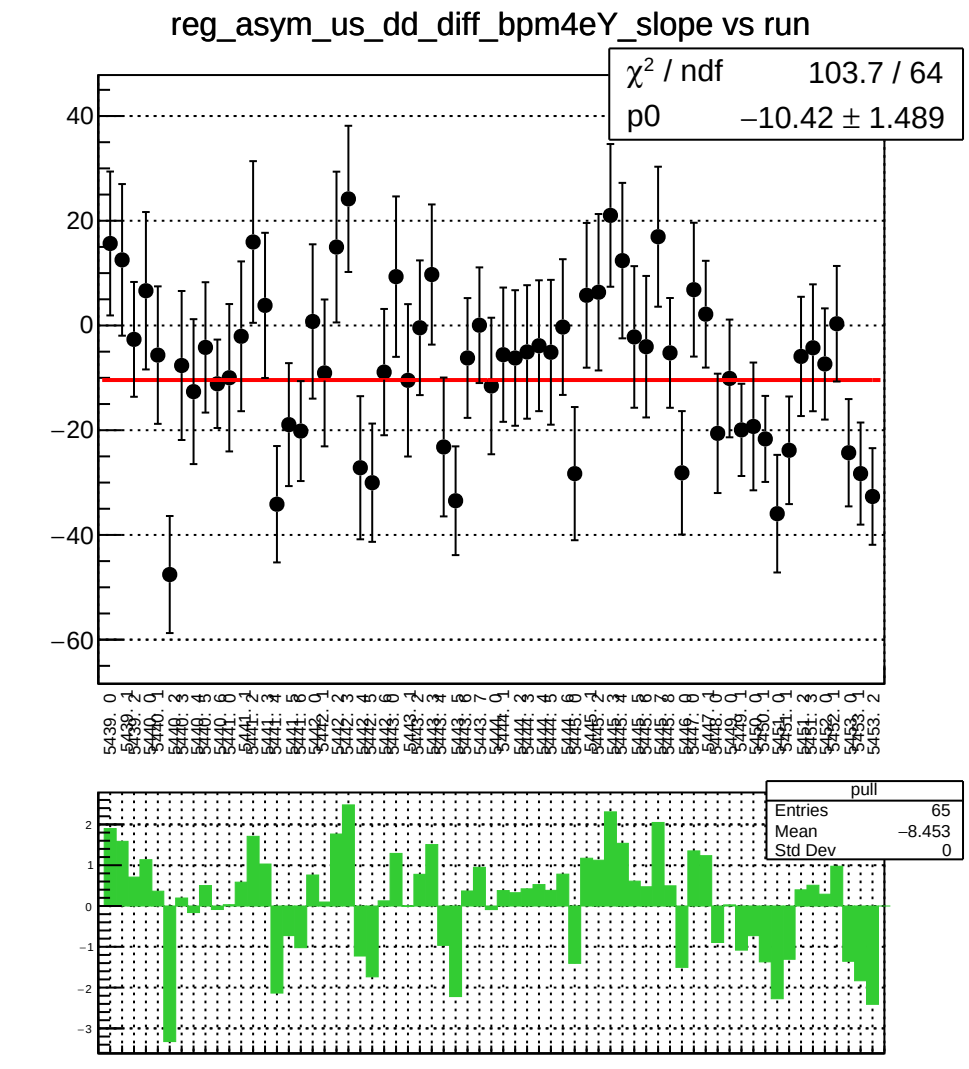

pull1D
Entries 65
Mean 0.1009
Std Dev 1.334

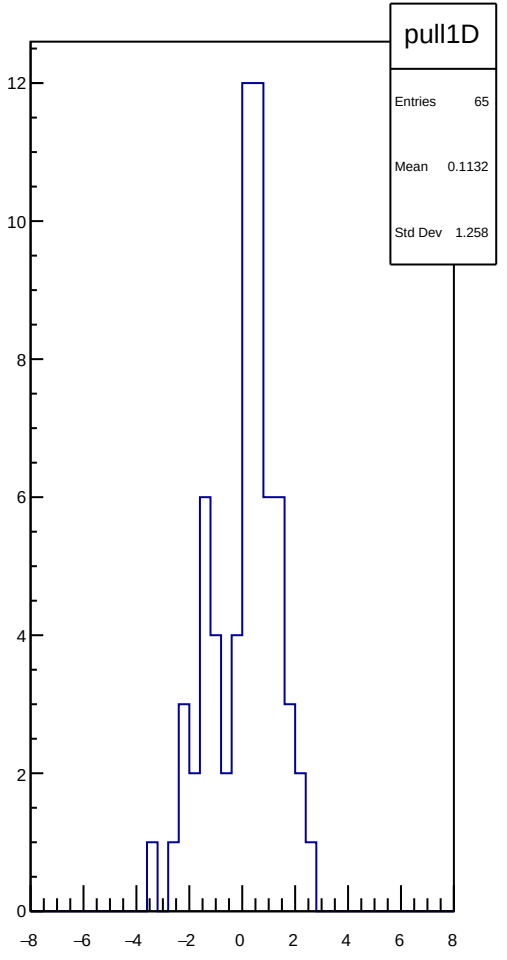

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 99.18 / 64
p0 7.536 ± 1.169
pull
Entries 65
Mean −7.575
Std Dev 0

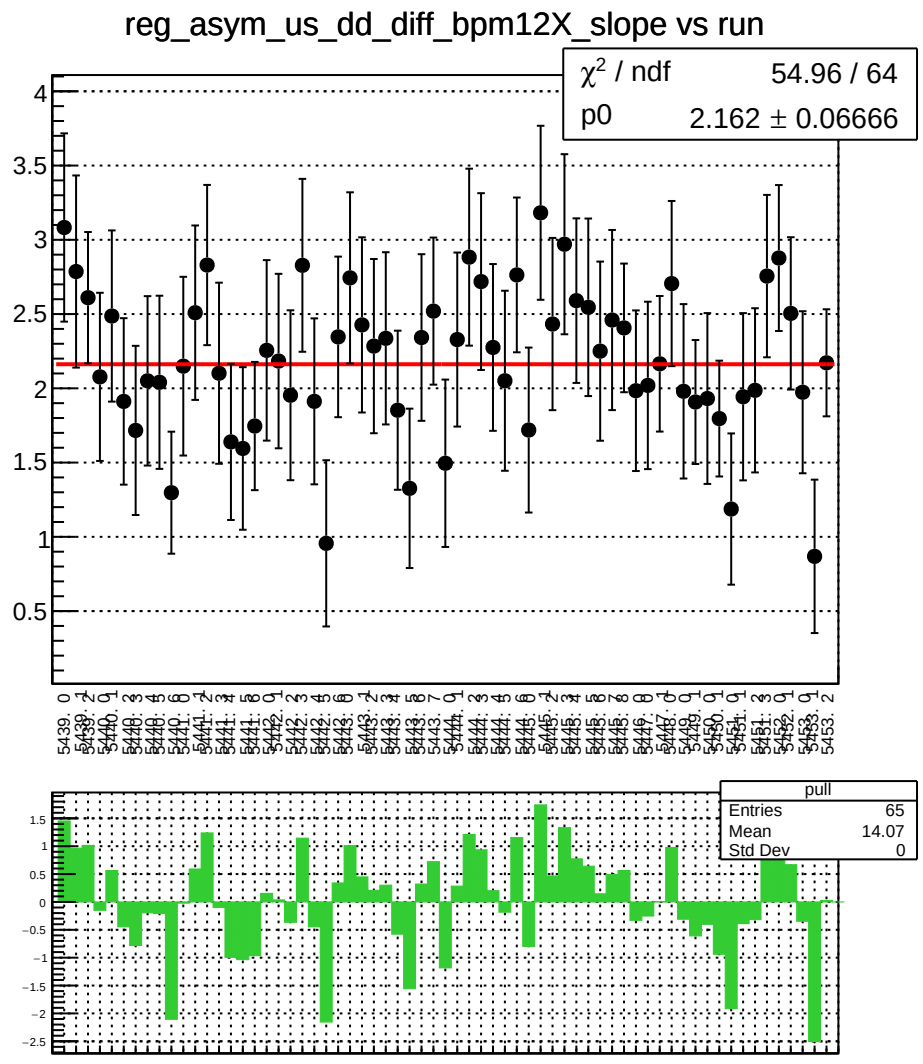

pull1D
Entries 65
Mean −0.1008
Std Dev 1.231

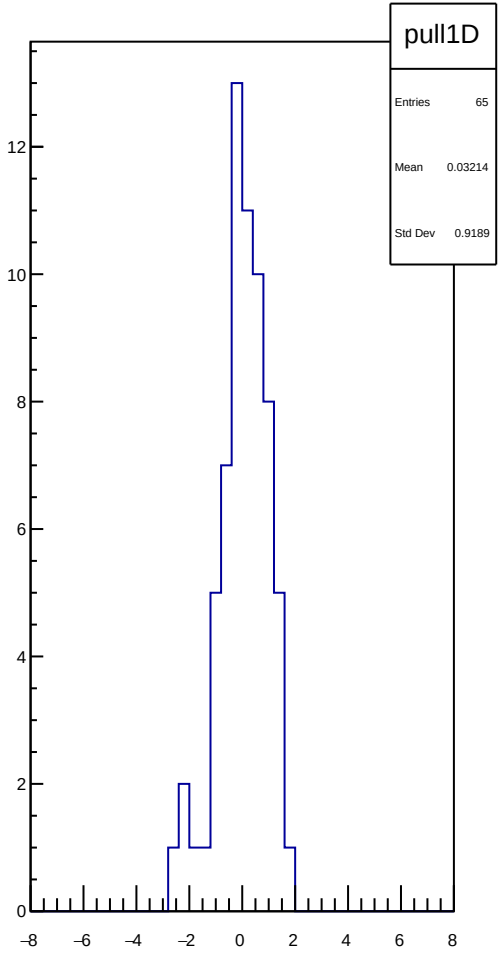

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 115.7 / 64
p0 −58.45 ± 1.118
pull
Entries 65
Mean −17.14
Std Dev 0

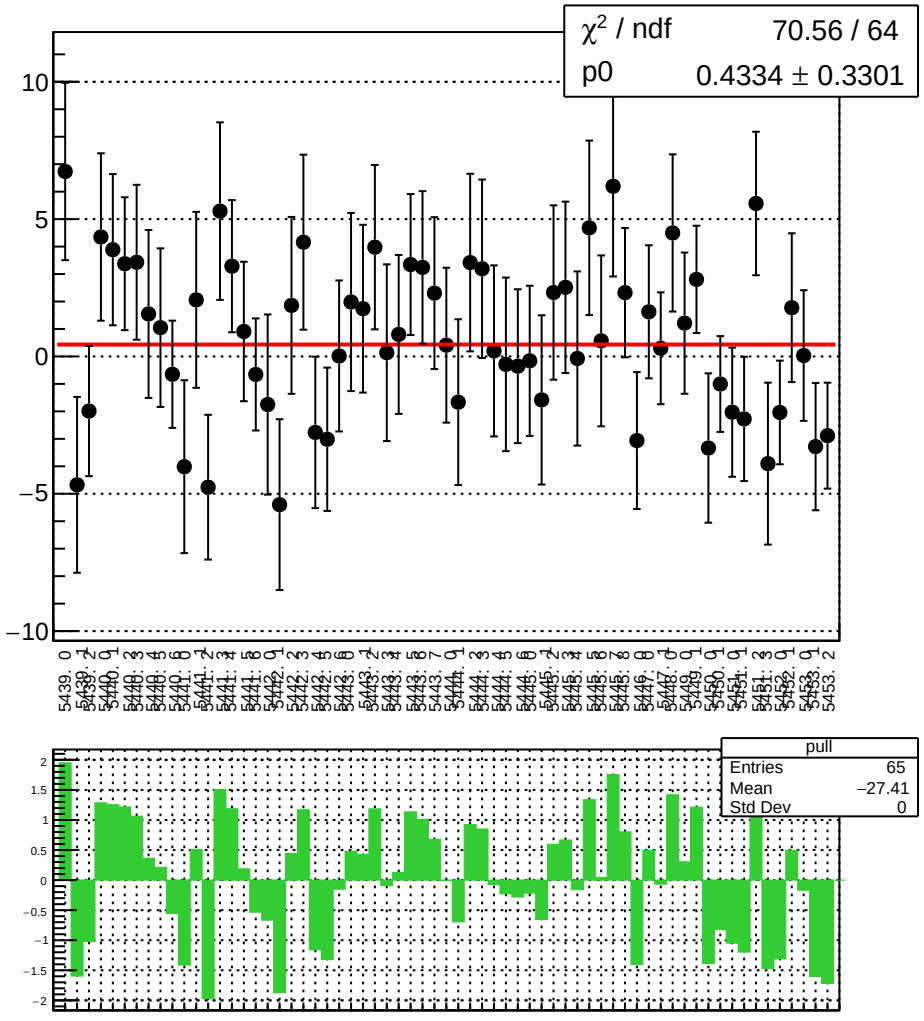

pull1D
Entries 65
Mean −0.1034
Std Dev 1.33

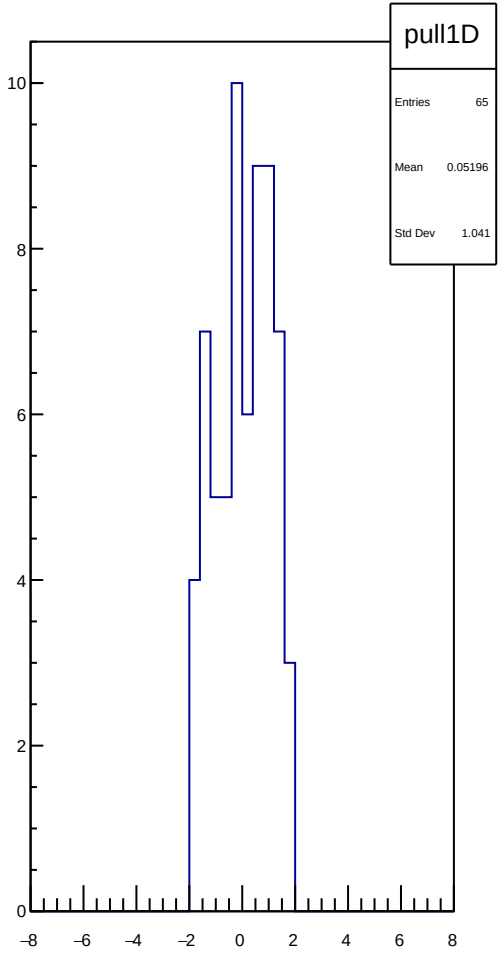

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.7 / 64
p0 −10.42 ± 1.489
pull
Entries 65
Mean −8.453
Std Dev 0

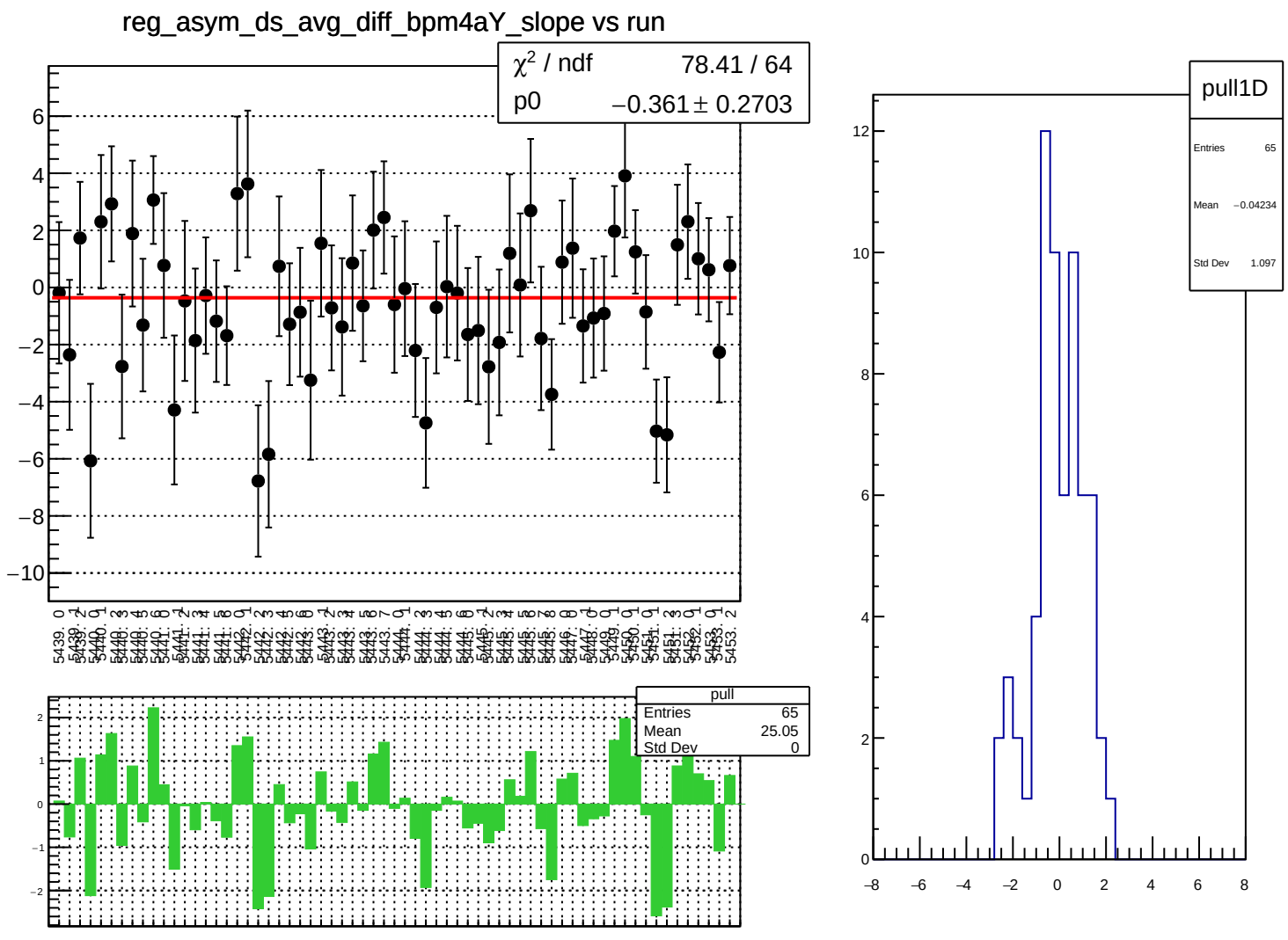

pull1D
Entries 65
Mean 0.1132
Std Dev 1.258

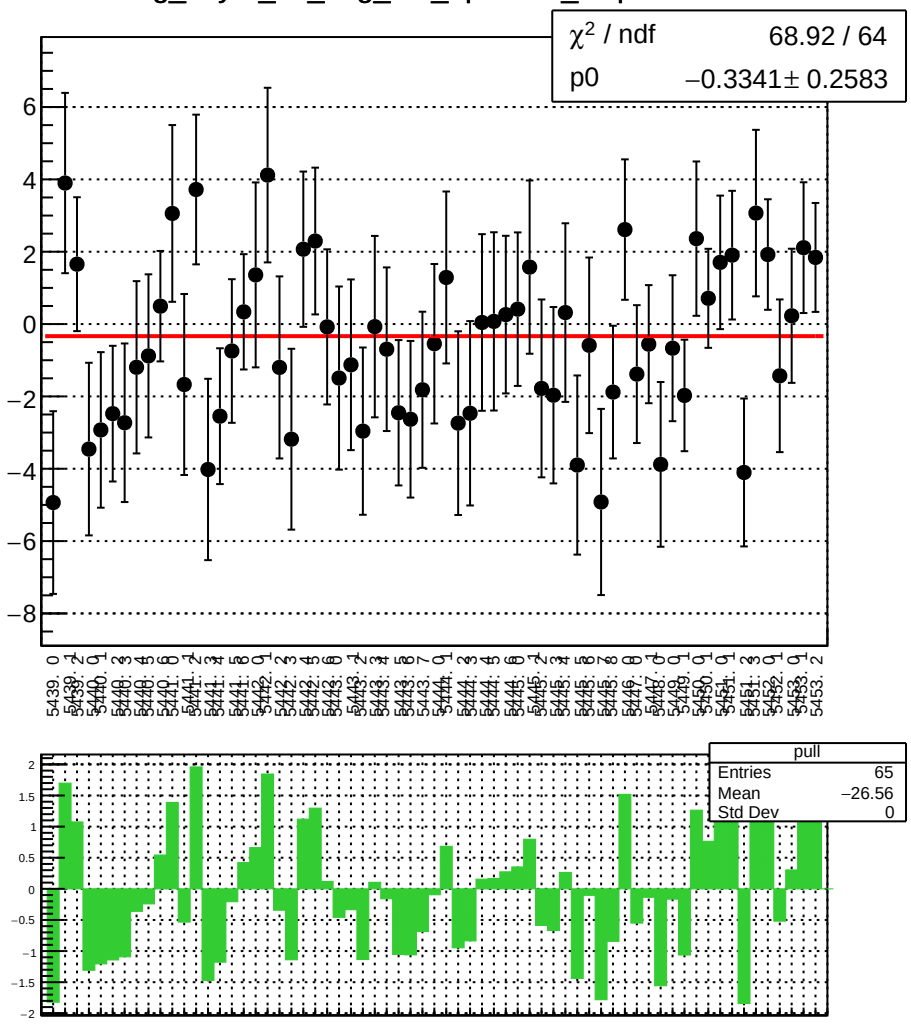

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 54.96 / 64
p0 2.162 ± 0.06666
pull
Entries 65
Mean 14.07
Std Dev 0

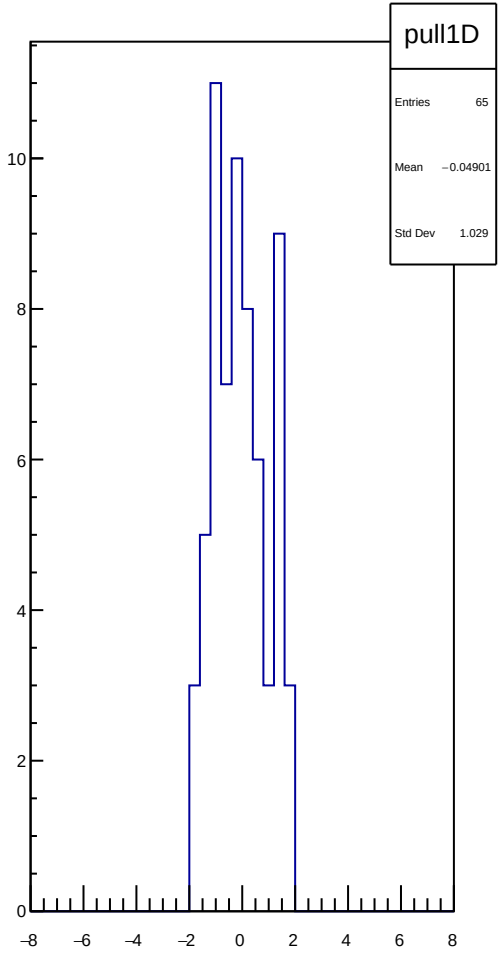

pull1D
Entries 65
Mean 0.03214
Std Dev 0.9189

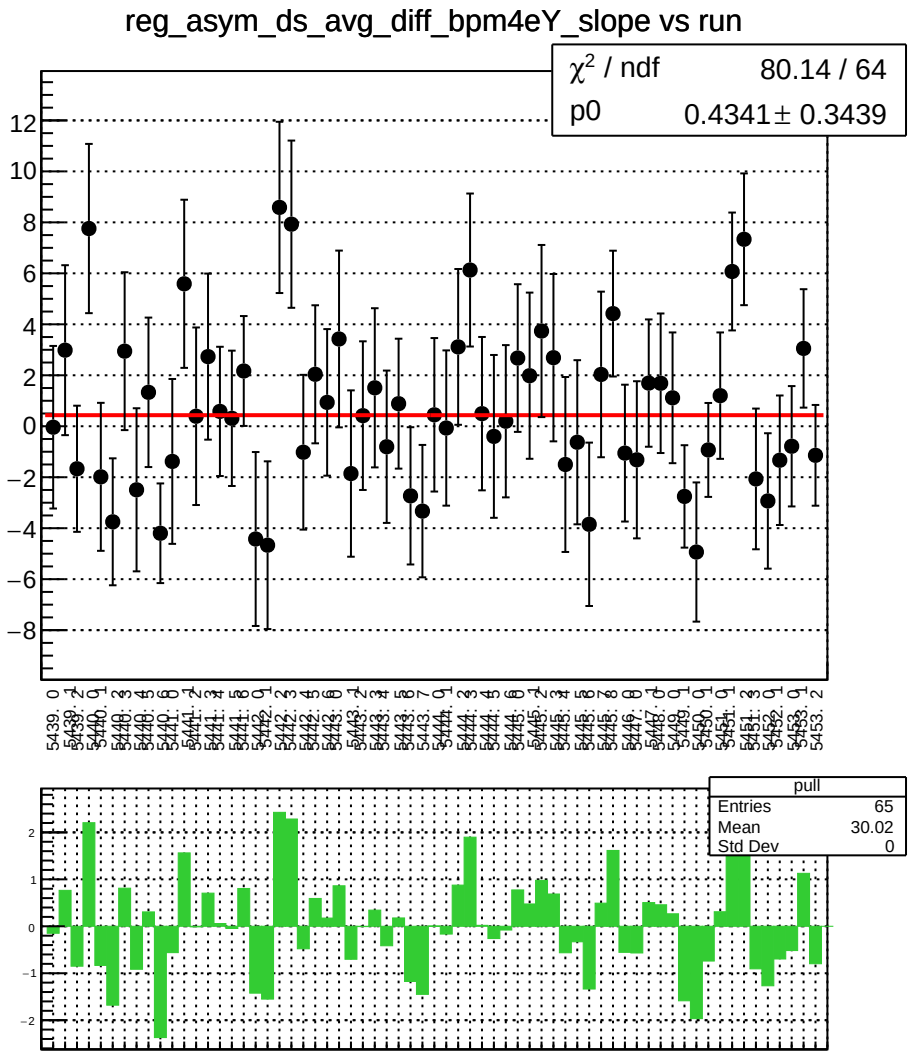

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 70.56 / 64
p0 0.4334 ± 0.3301
pull
Entries 65
Mean −27.41
Std Dev 0

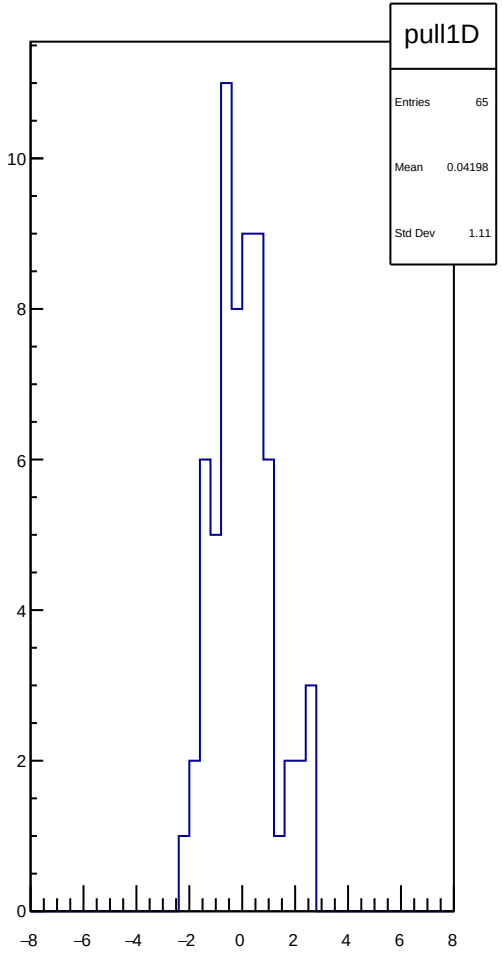

pull1D
Entries 65
Mean 0.05196
Std Dev 1.041

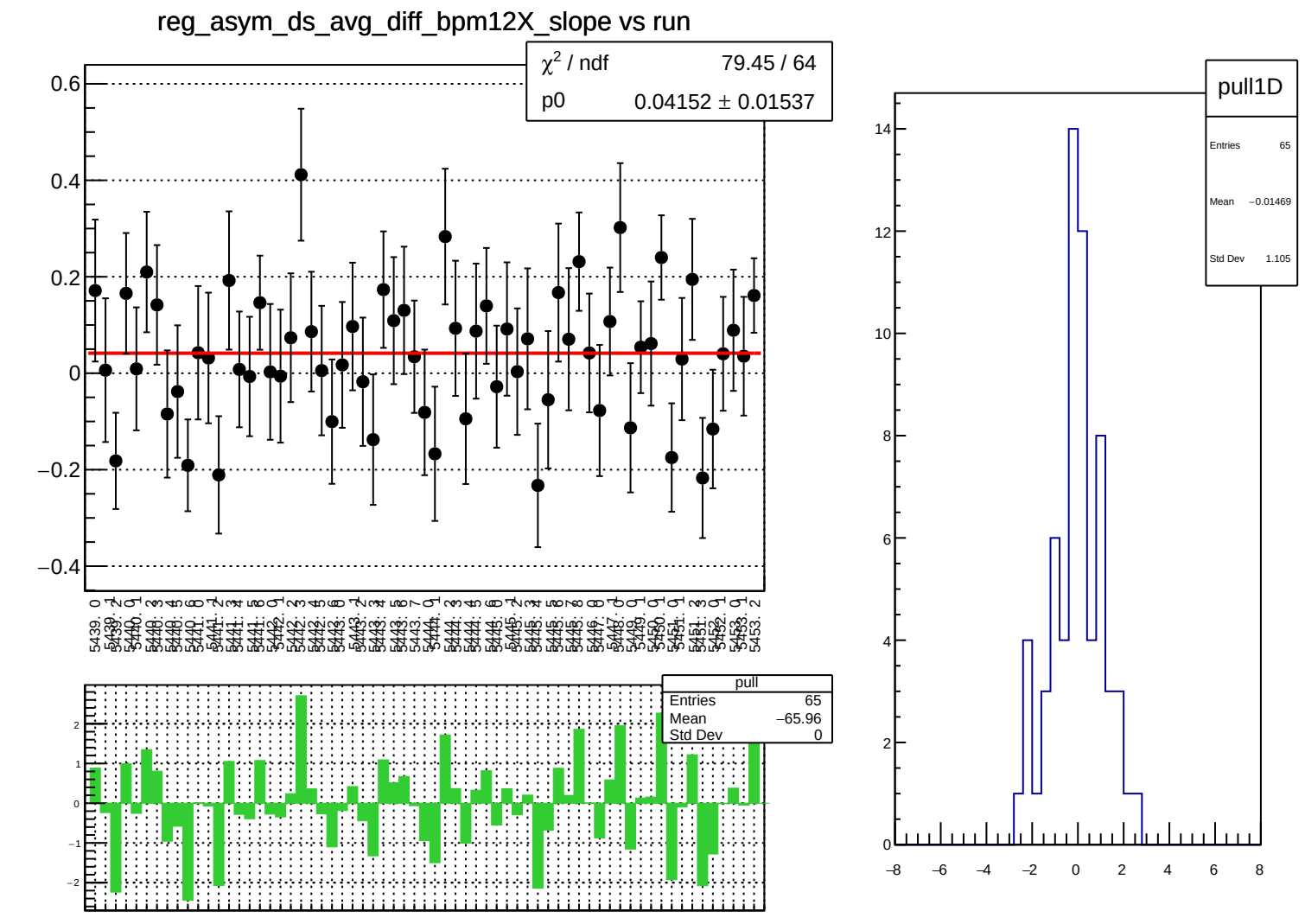

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.41 / 64
p0 −0.361 ± 0.2703
pull
Entries 65
Mean 25.05
Std Dev 0
pull1D
Entries 65
Mean −0.04234
Std Dev 1.097

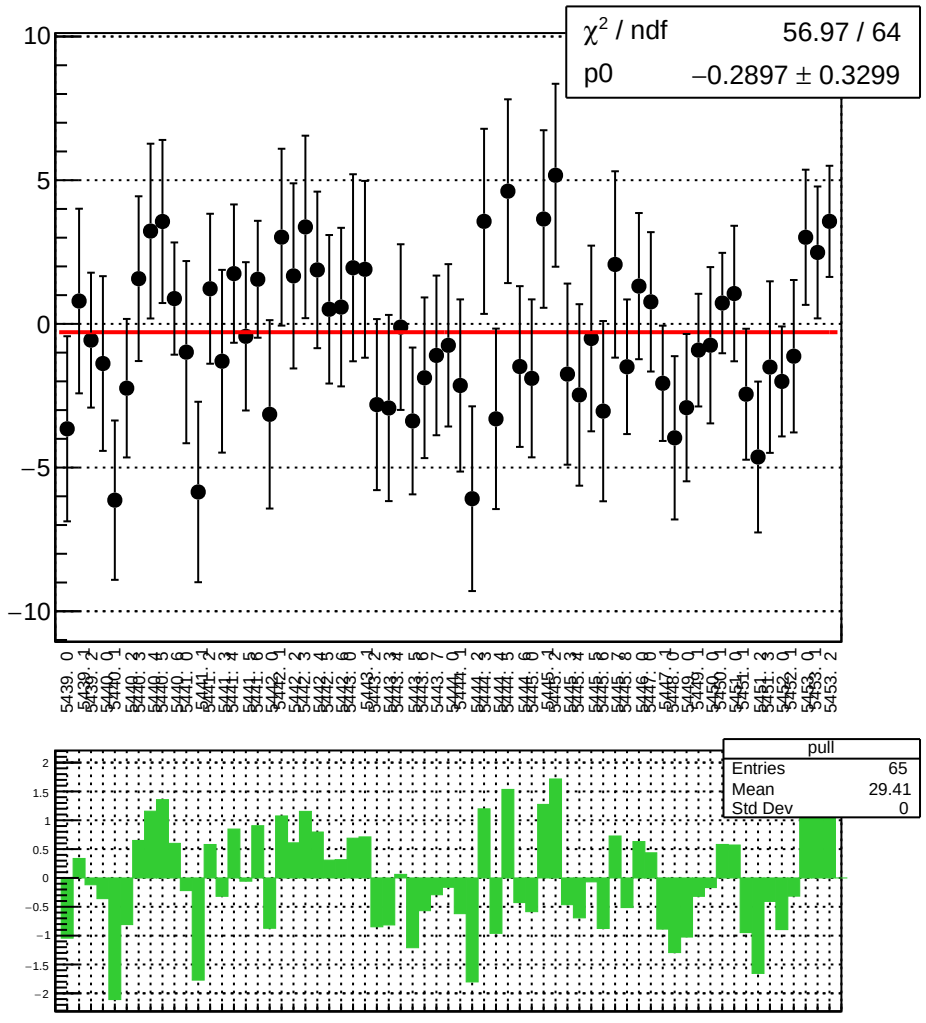

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.92 / 64
p0 −0.3341± 0.2583
pull
Entries 65
Mean −26.56
Std Dev 0

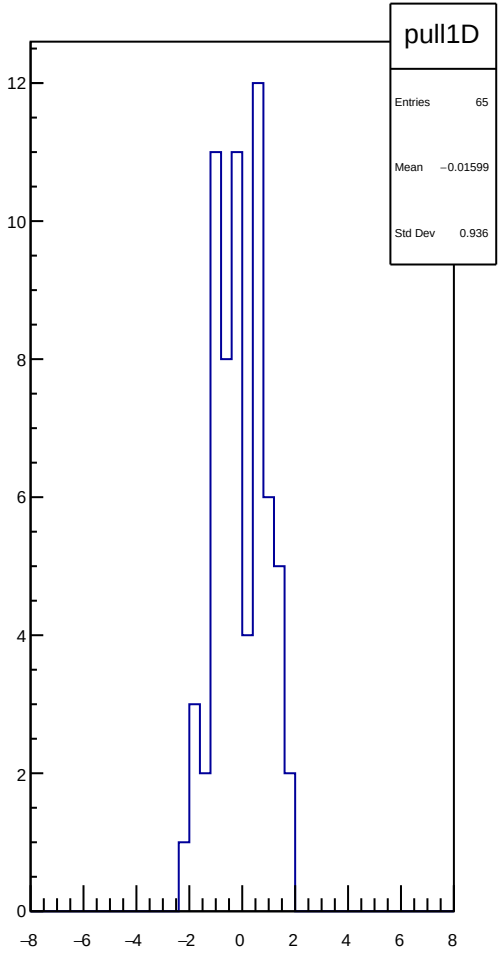

pull1D
Entries 65
Mean −0.04901
Std Dev 1.029

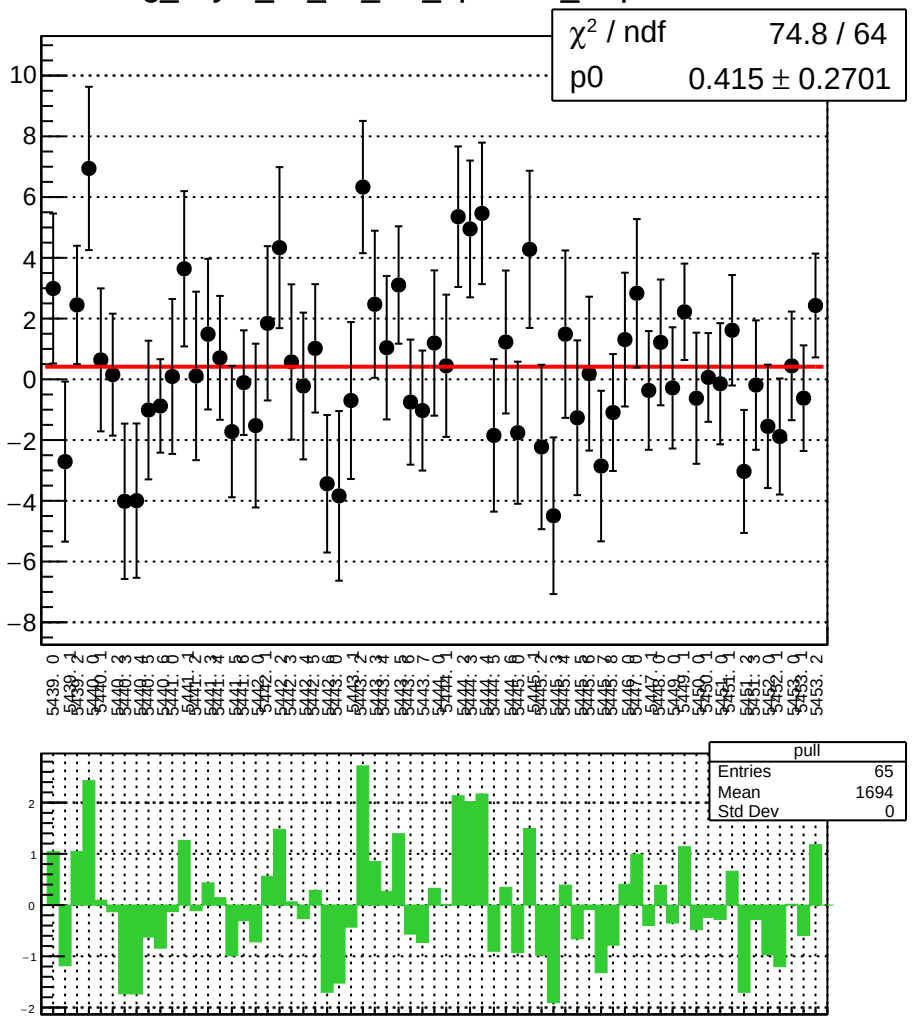

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.14 / 64
p0 0.4341 ± 0.3439
pull
Entries 65
Mean 30.02
Std Dev 0

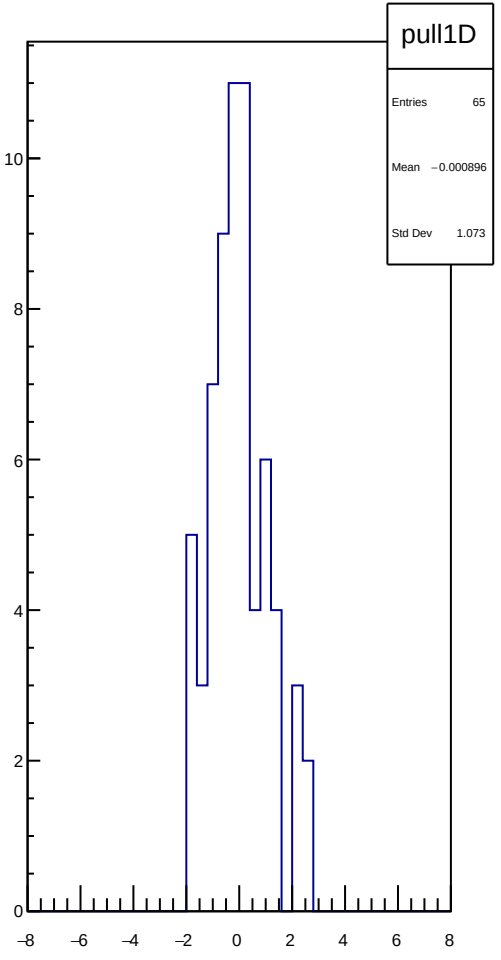

pull1D
Entries 65
Mean 0.04198
Std Dev 1.11

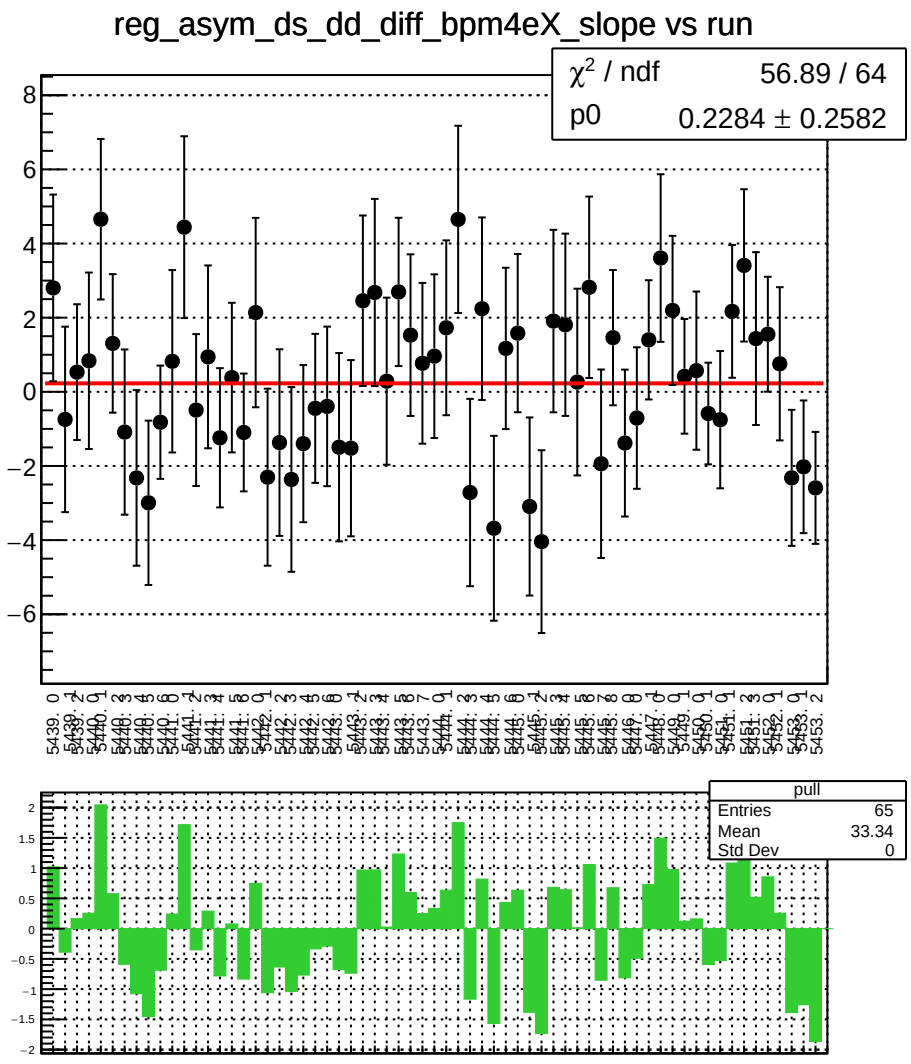

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 79.45 / 64
p0 0.04152 ± 0.01537
pull
Entries 65
Mean −65.96
Std Dev 0
pull1D
Entries 65
Mean −0.01469
Std Dev 1.105

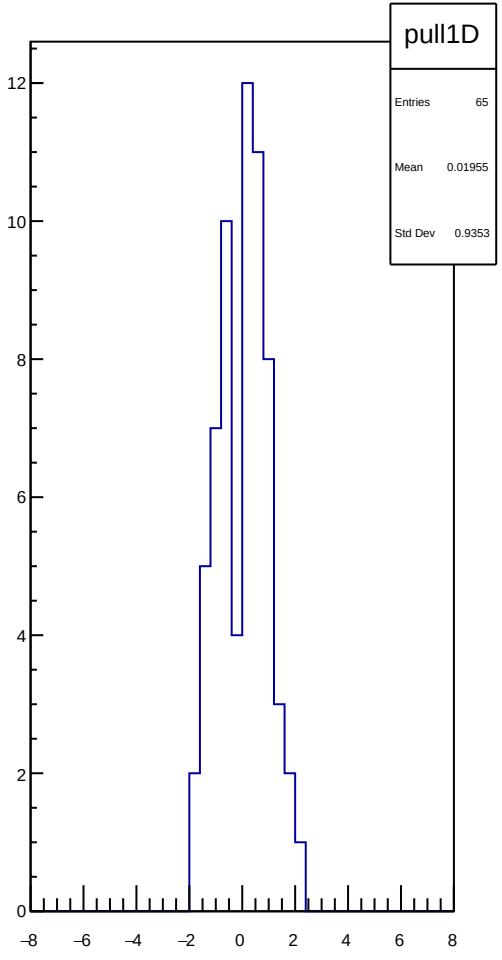

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 56.97 / 64
p0 −0.2897 ± 0.3299
pull
Entries 65
Mean 29.41
Std Dev 0

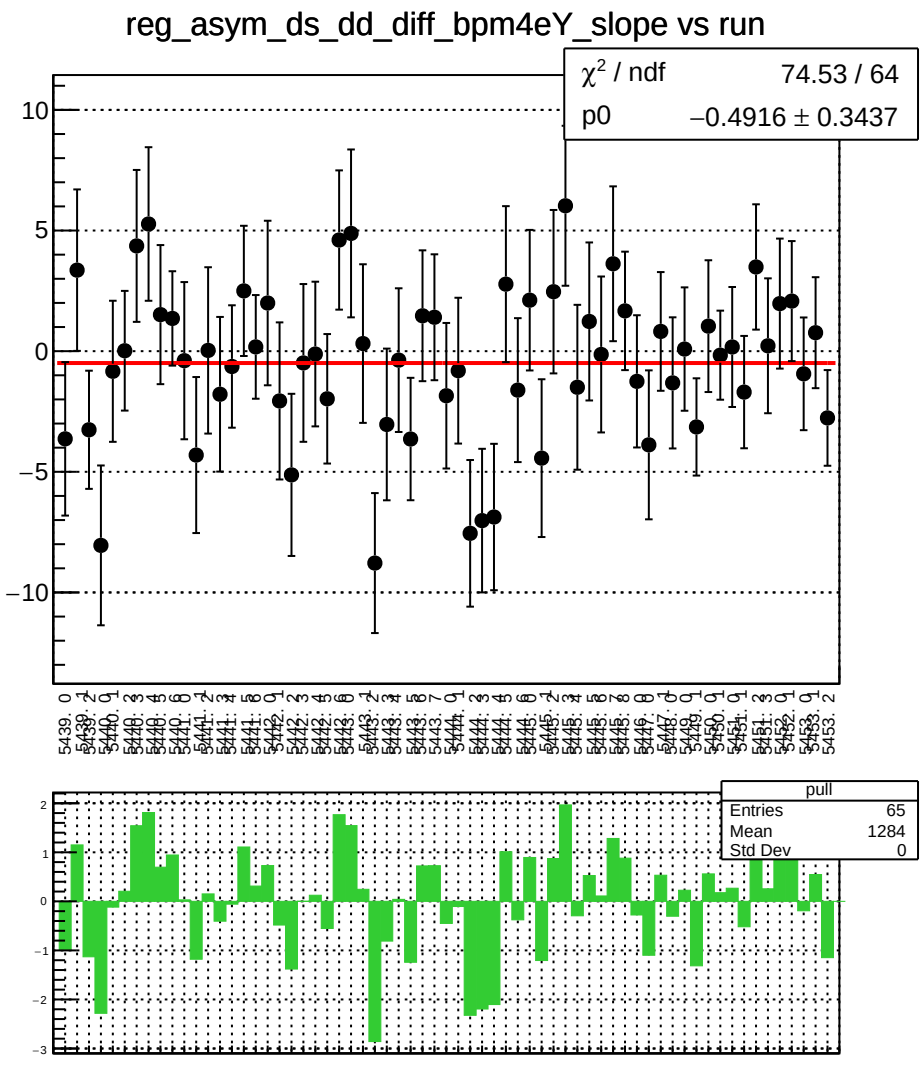

pull1D
Entries 65
Mean −0.01599
Std Dev 0.936

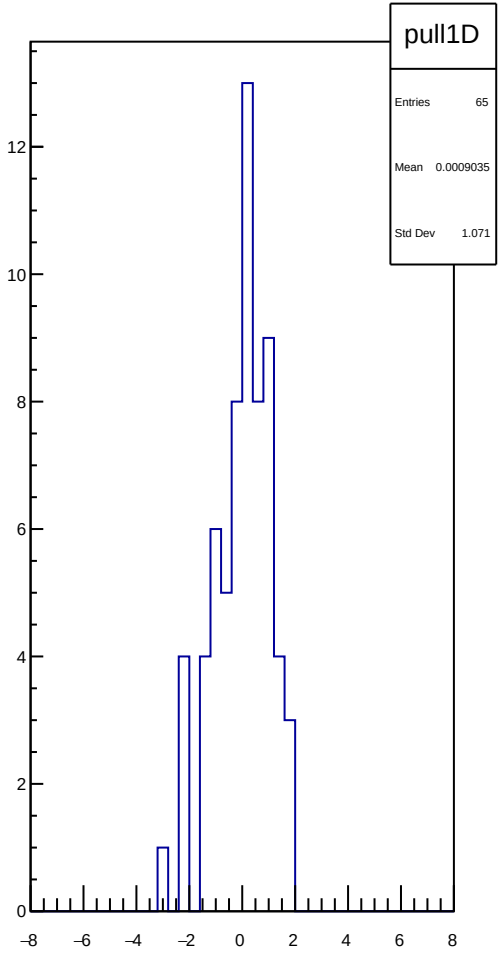

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.8 / 64
p0 0.415 ± 0.2701
pull
Entries 65
Mean 1694
Std Dev 0

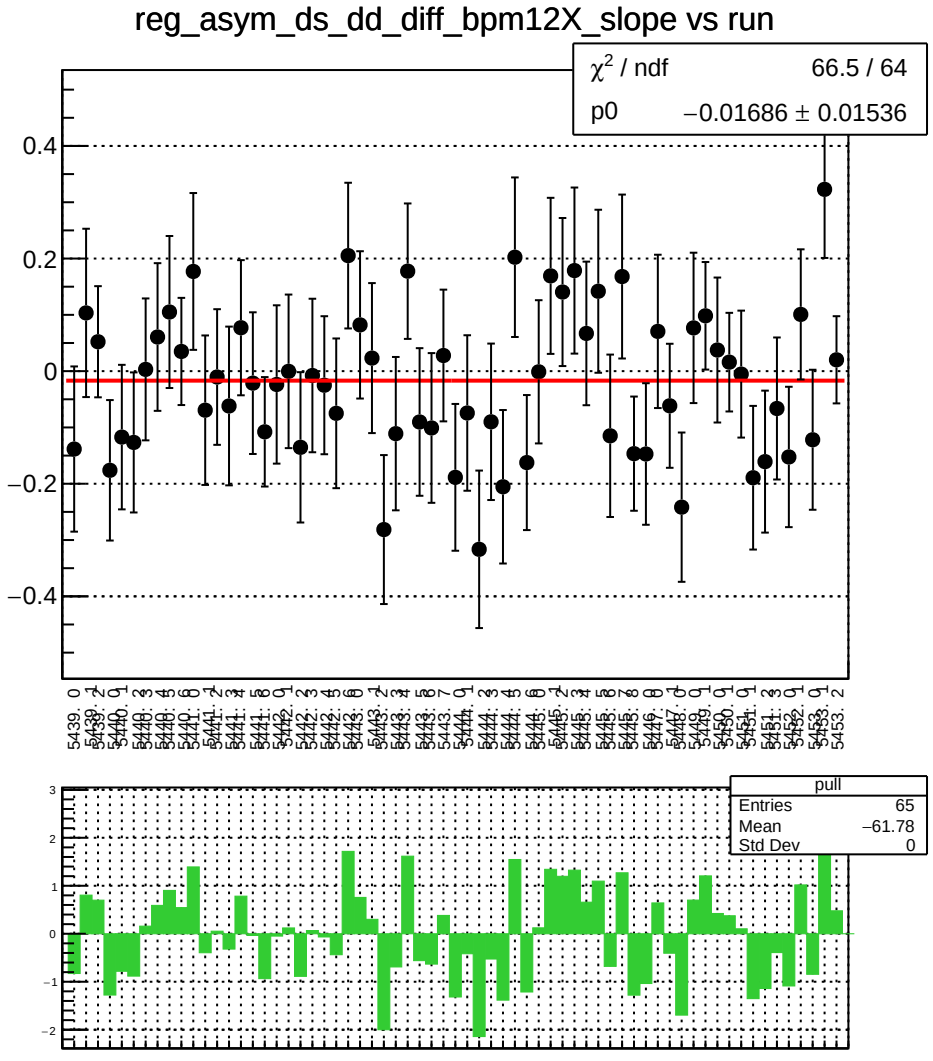

pull1D
Entries 65
Mean −0.000896
Std Dev 1.073

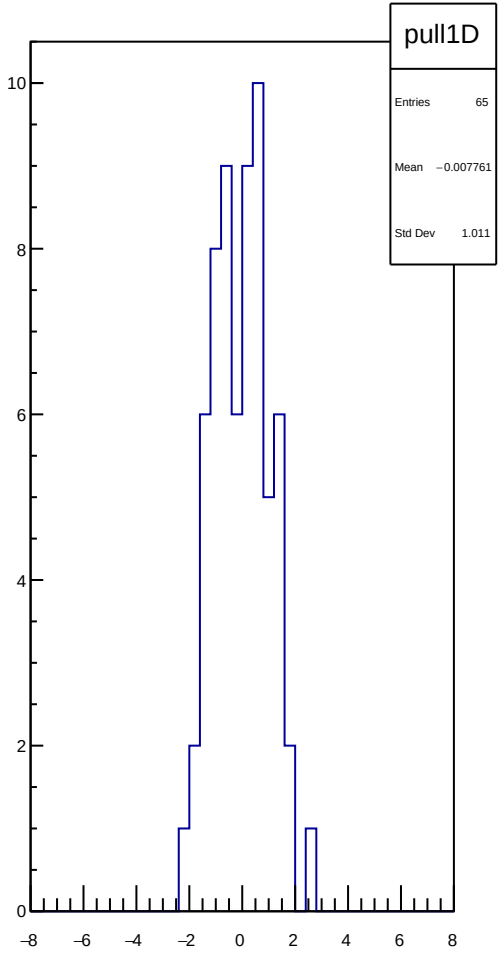

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.89 / 64
p0 0.2284 ± 0.2582
pull
Entries 65
Mean 33.34
Std Dev 0

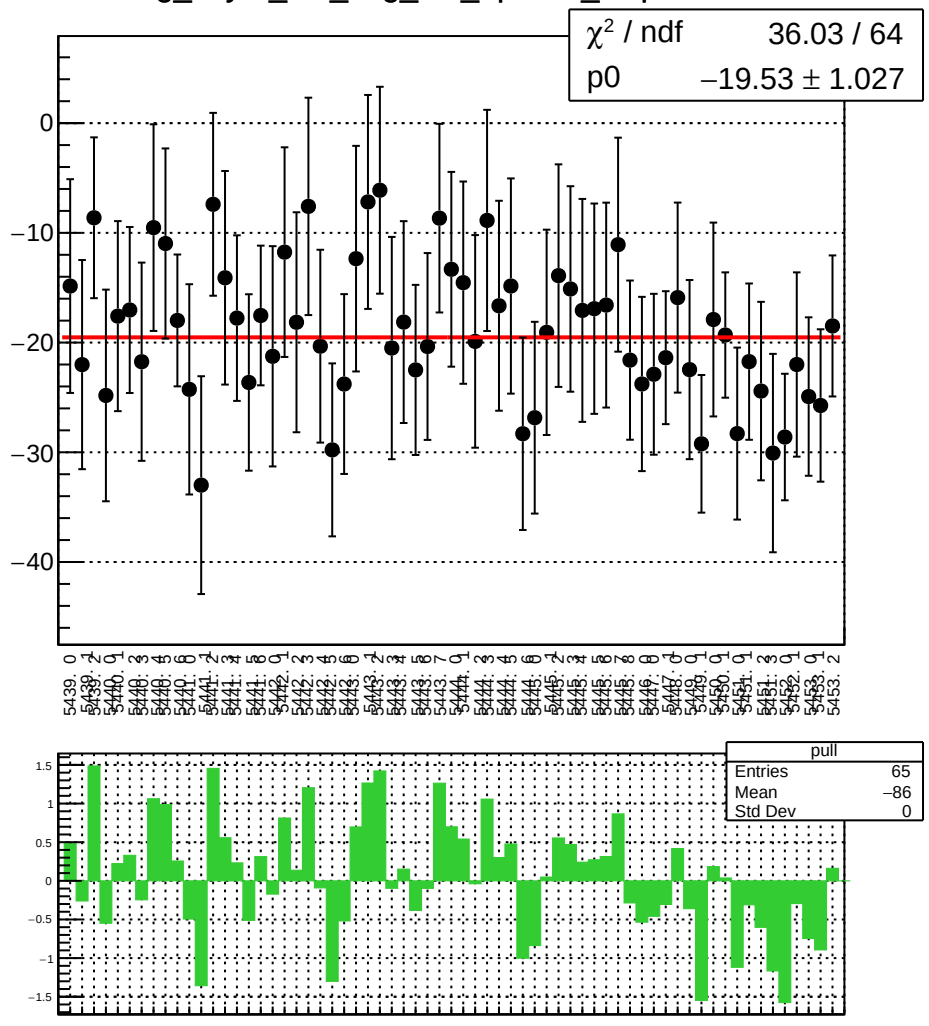

pull1D
Entries 65
Mean 0.01955
Std Dev 0.9353

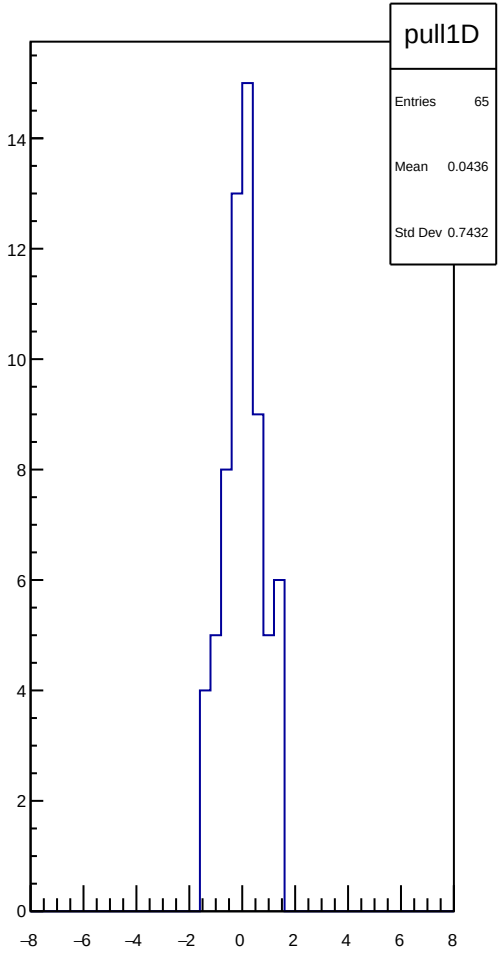

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.53 / 64
p0 −0.4916 ± 0.3437
pull
Entries 65
Mean 1284
Std Dev 0

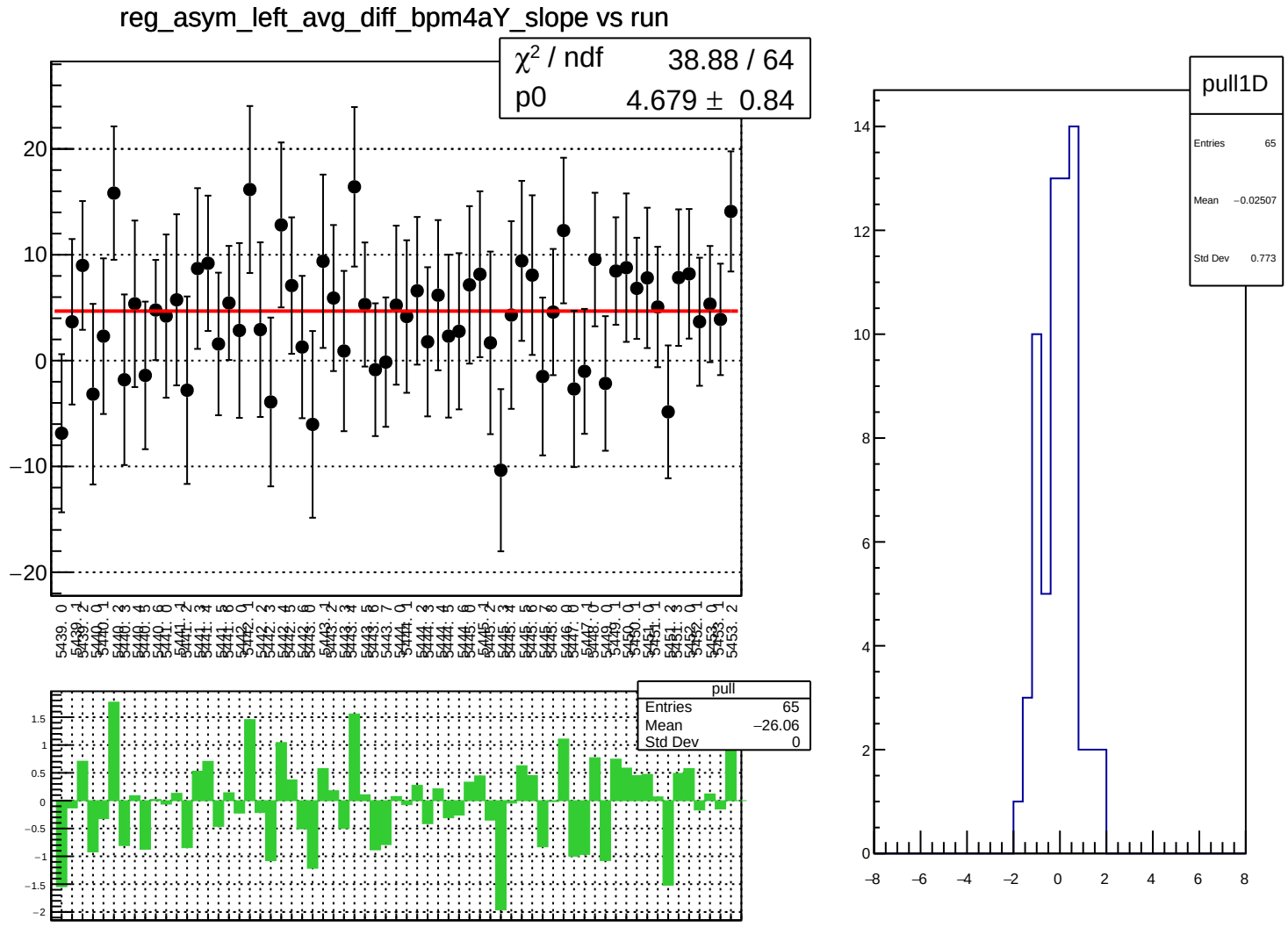

pull1D
Entries 65
Mean 0.0009035
Std Dev 1.071

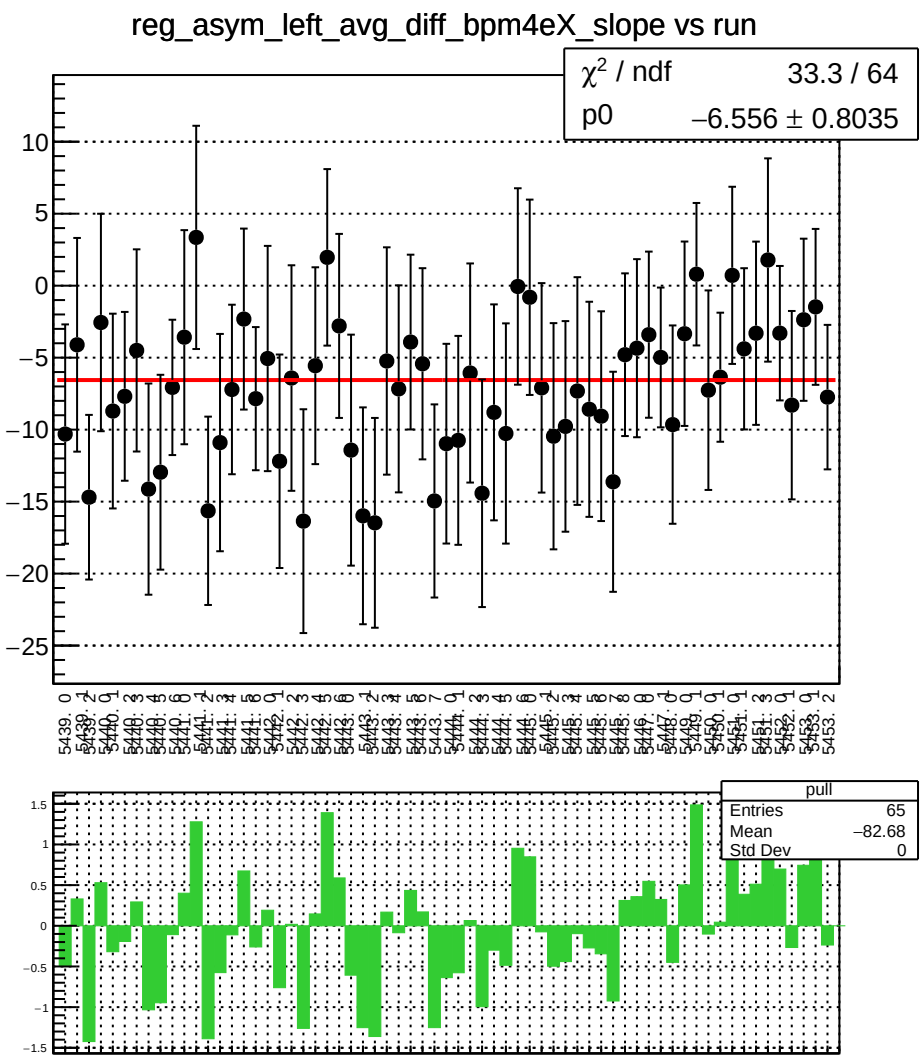

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 66.5 / 64
p0 −0.01686 ± 0.01536
pull
Entries 65
Mean −61.78
Std Dev 0

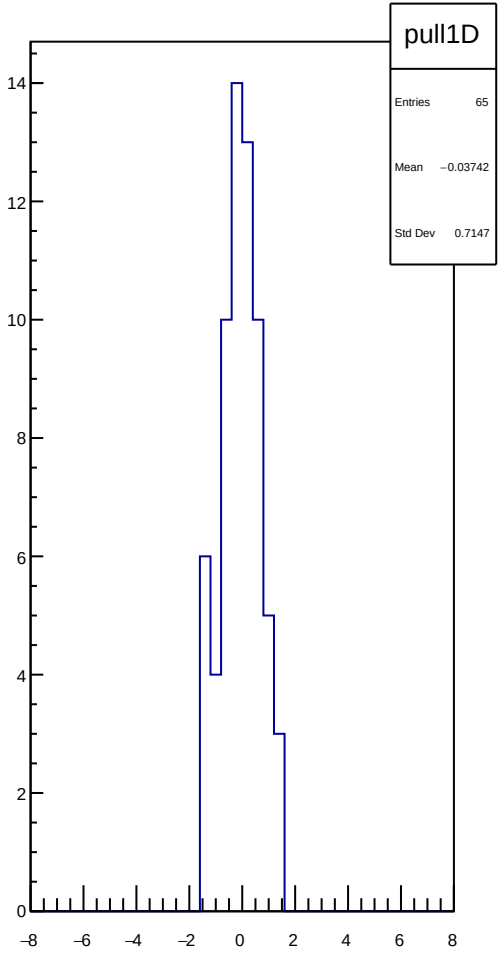

pull1D
Entries 65
Mean −0.007761
Std Dev 1.011

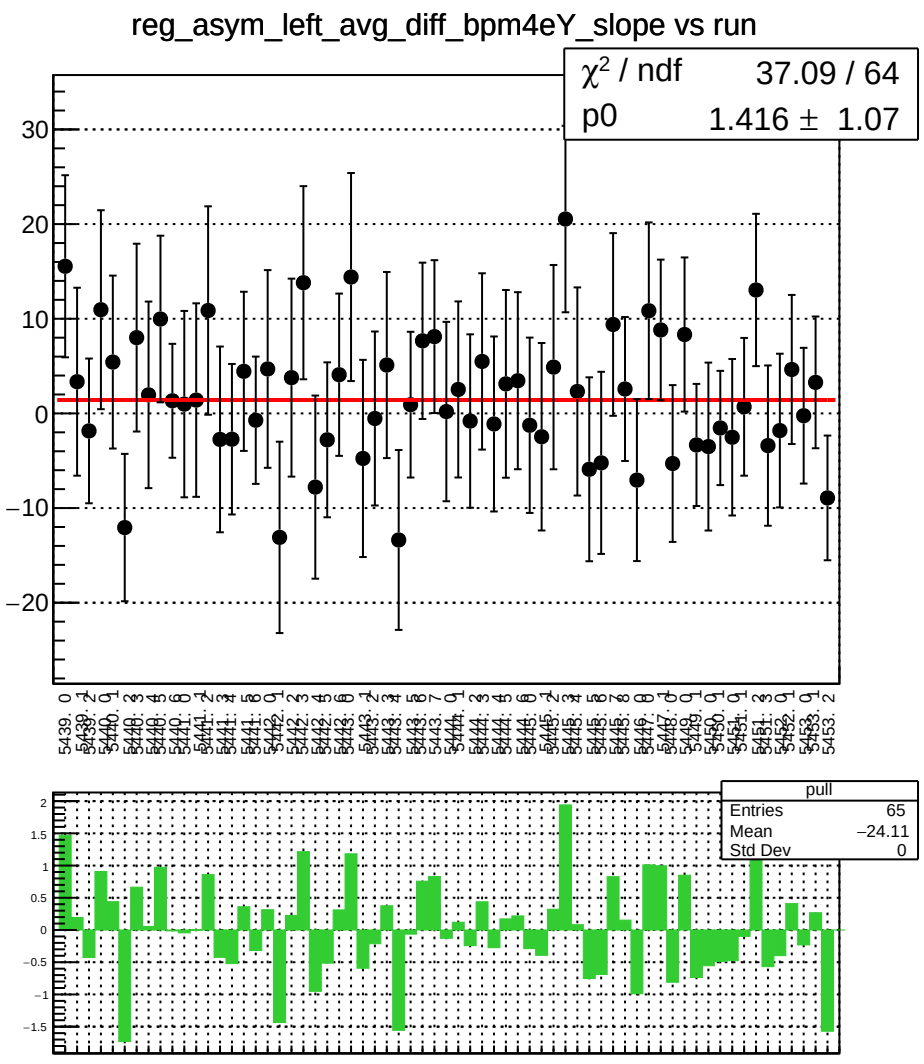

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 36.03 / 64
p0 −19.53 ± 1.027
pull
Entries 65
Mean −86
Std Dev 0

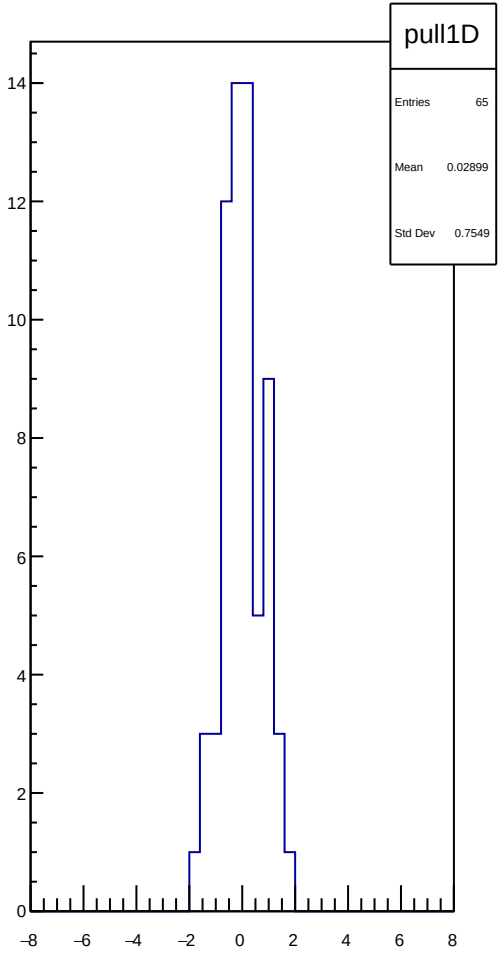

pull1D
Entries 65
Mean 0.0436
Std Dev 0.7432

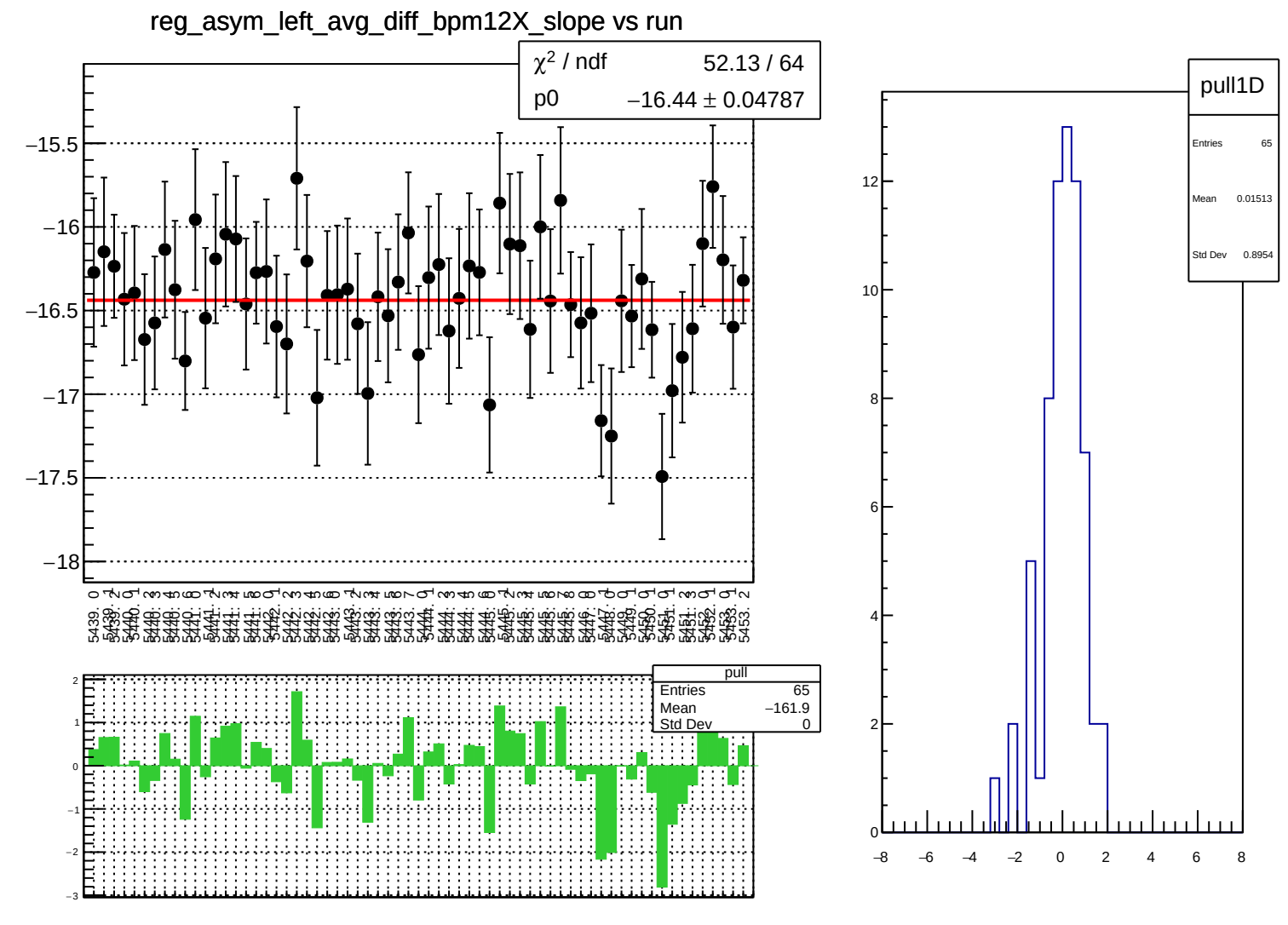

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.88 / 64
p0 4.679 ± 0.84
pull
Entries 65
Mean −26.06
Std Dev 0
pull1D
Entries 65
Mean −0.02507
Std Dev 0.773

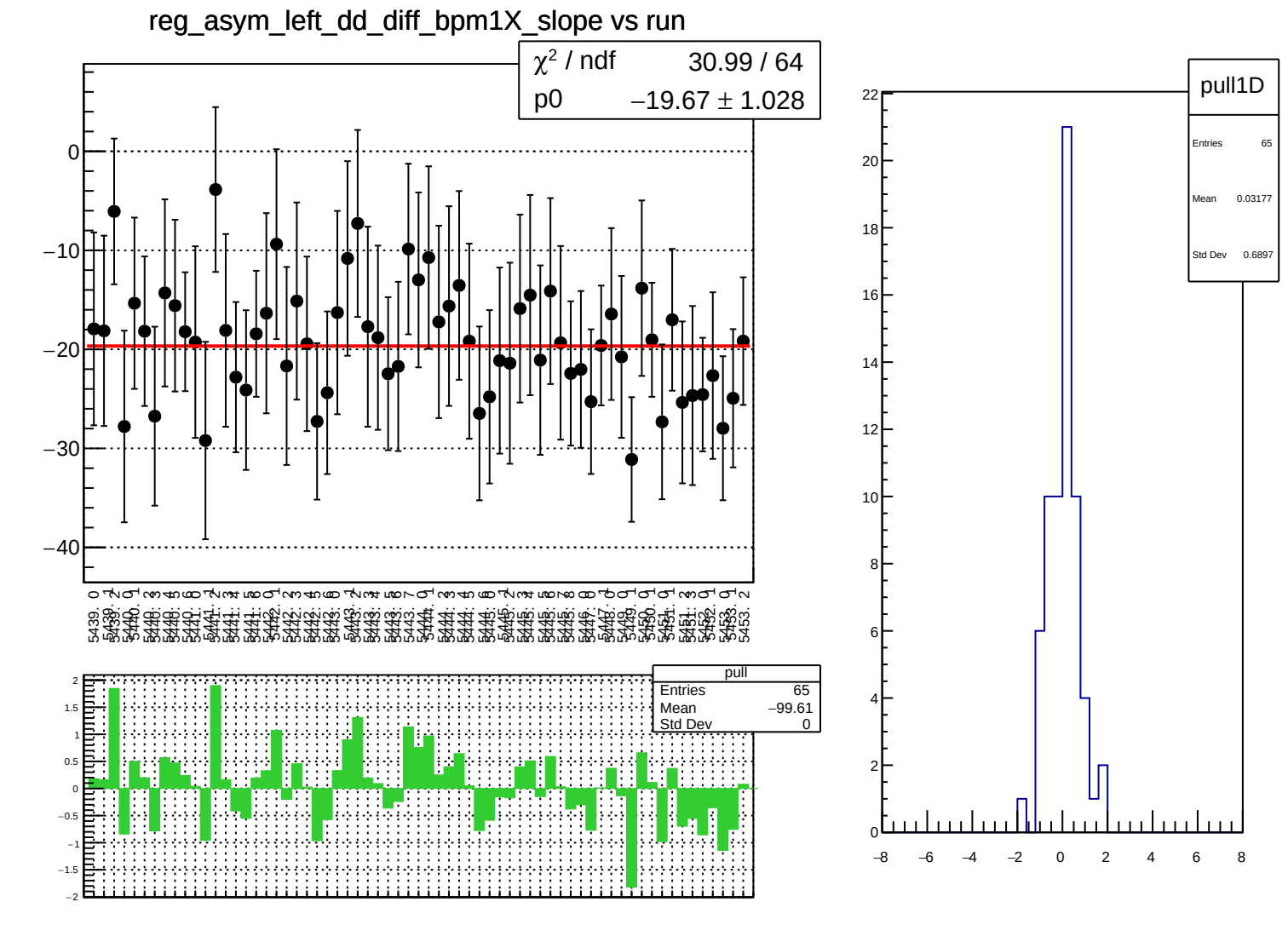

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.3 / 64
p0 −6.556 ± 0.8035
pull
Entries 65
Mean −82.68
Std Dev 0

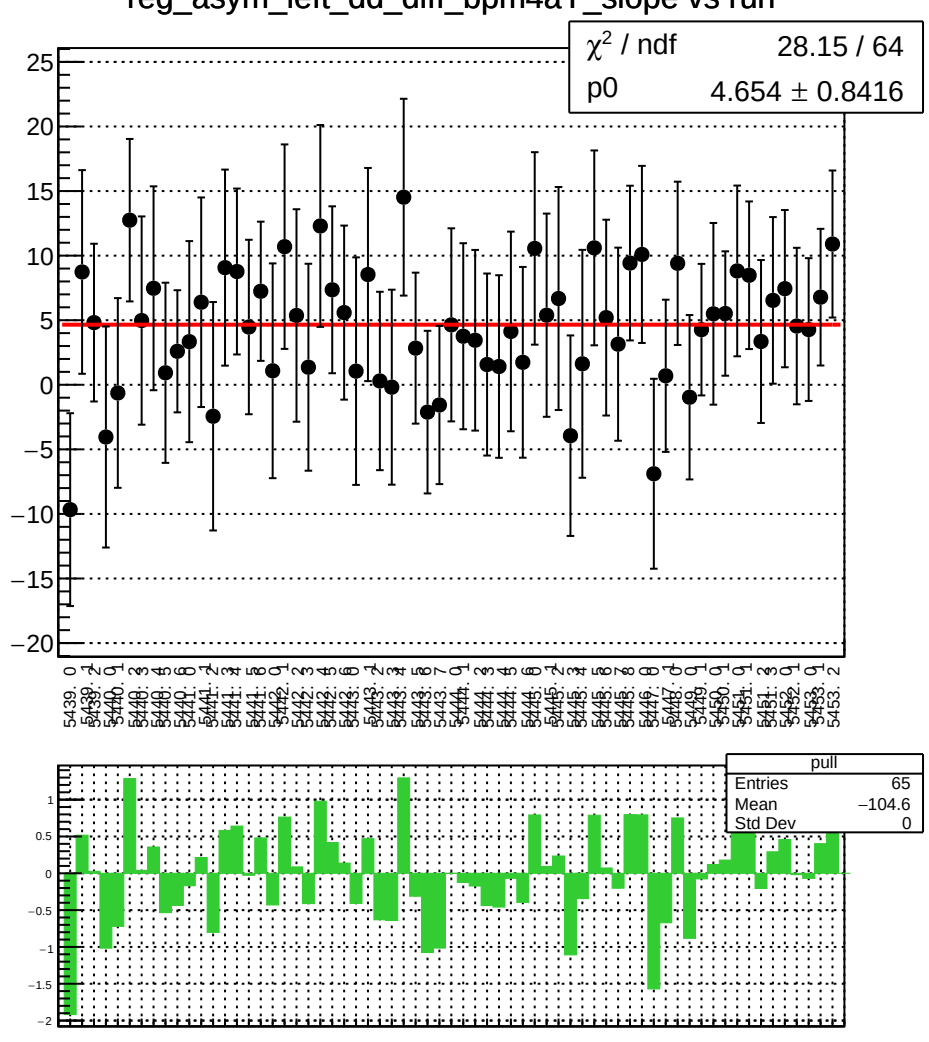

pull1D
Entries 65
Mean −0.03742
Std Dev 0.7147

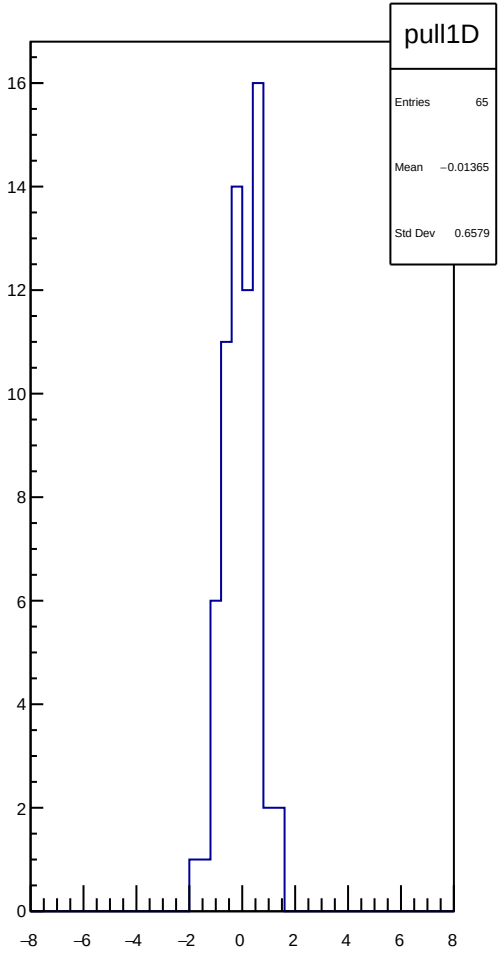

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.09 / 64
p0 1.416 ± 1.07
pull
Entries 65
Mean −24.11
Std Dev 0

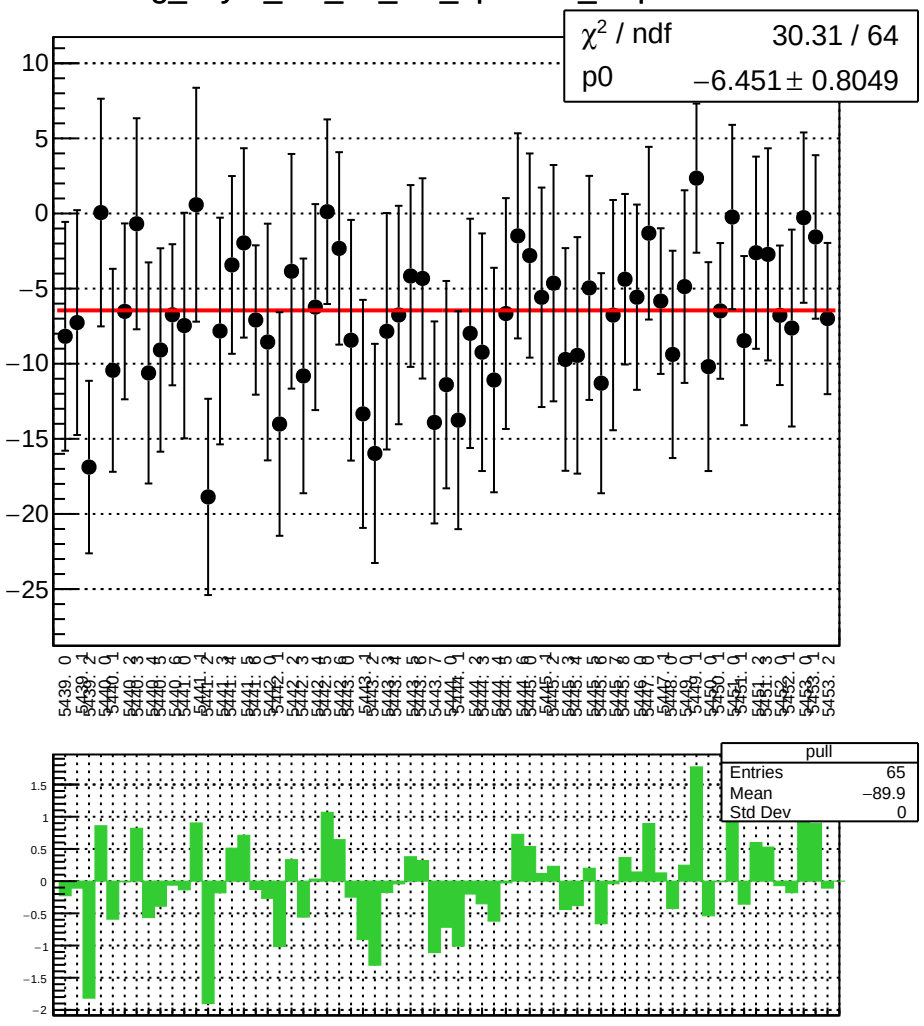

pull1D
Entries 65
Mean 0.02899
Std Dev 0.7549

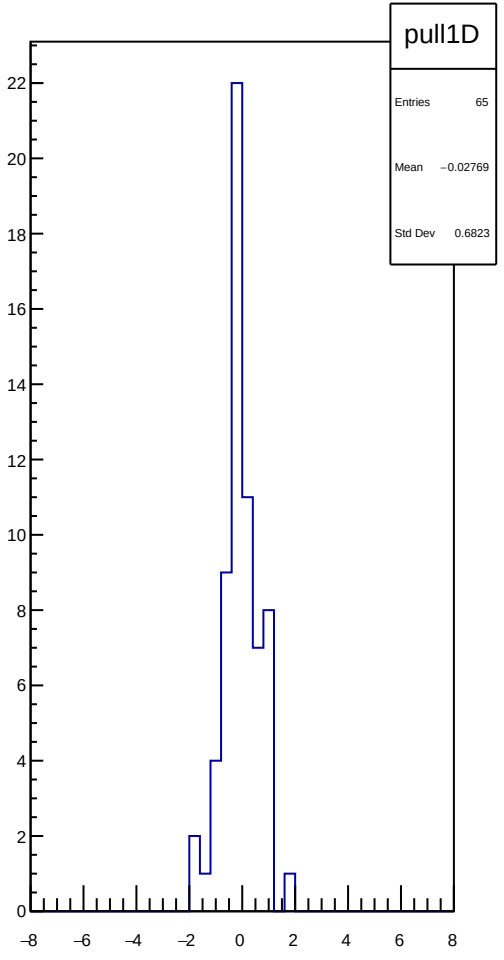

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 52.13 / 64
p0 −16.44 ± 0.04787
pull
Entries 65
Mean −161.9
Std Dev 0
pull1D
Entries 65
Mean 0.01513
Std Dev 0.8954

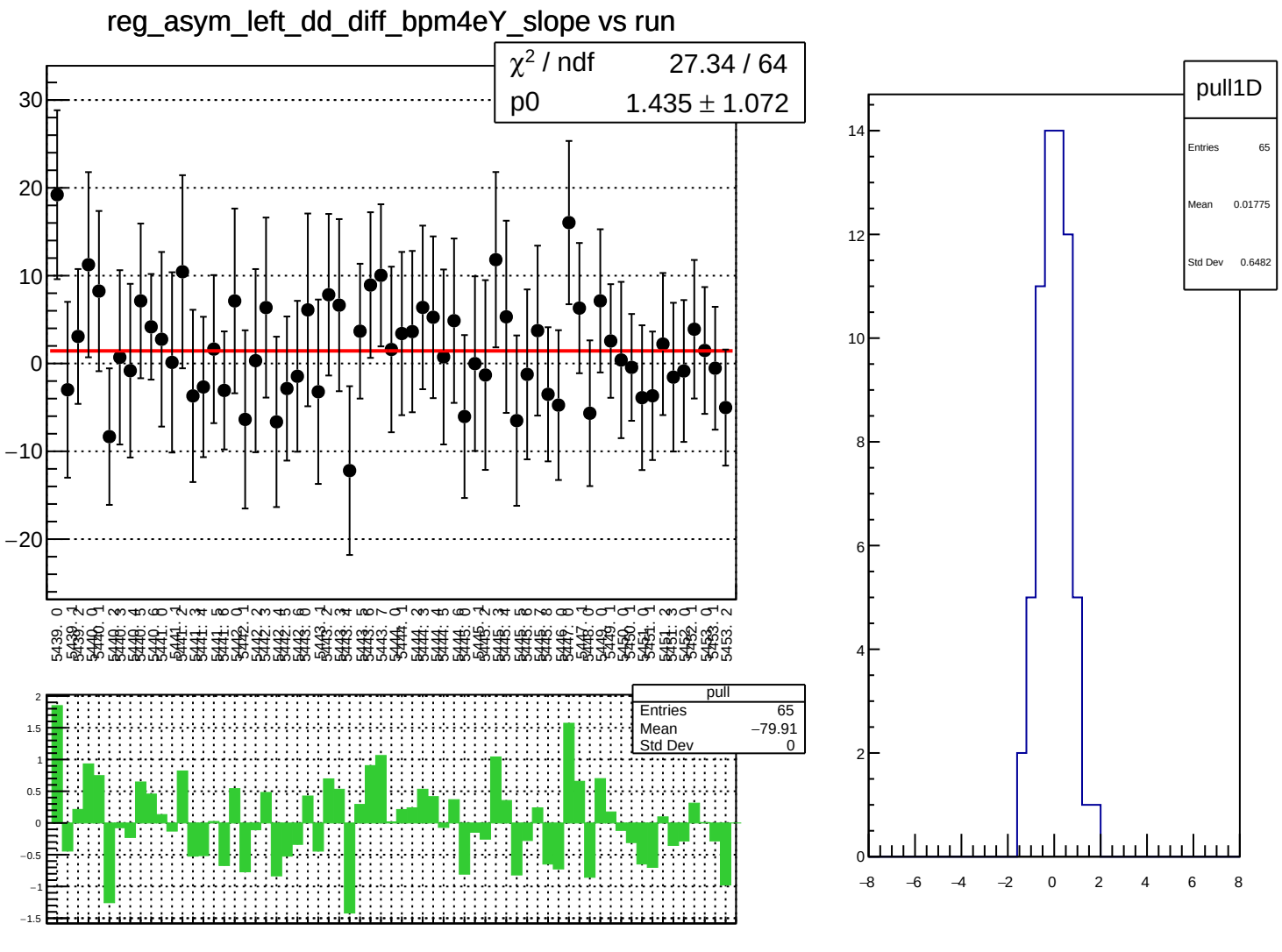

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 30.99 / 64
p0 −19.67 ± 1.028
pull
Entries 65
Mean −99.61
Std Dev 0
pull1D
Entries 65
Mean 0.03177
Std Dev 0.6897

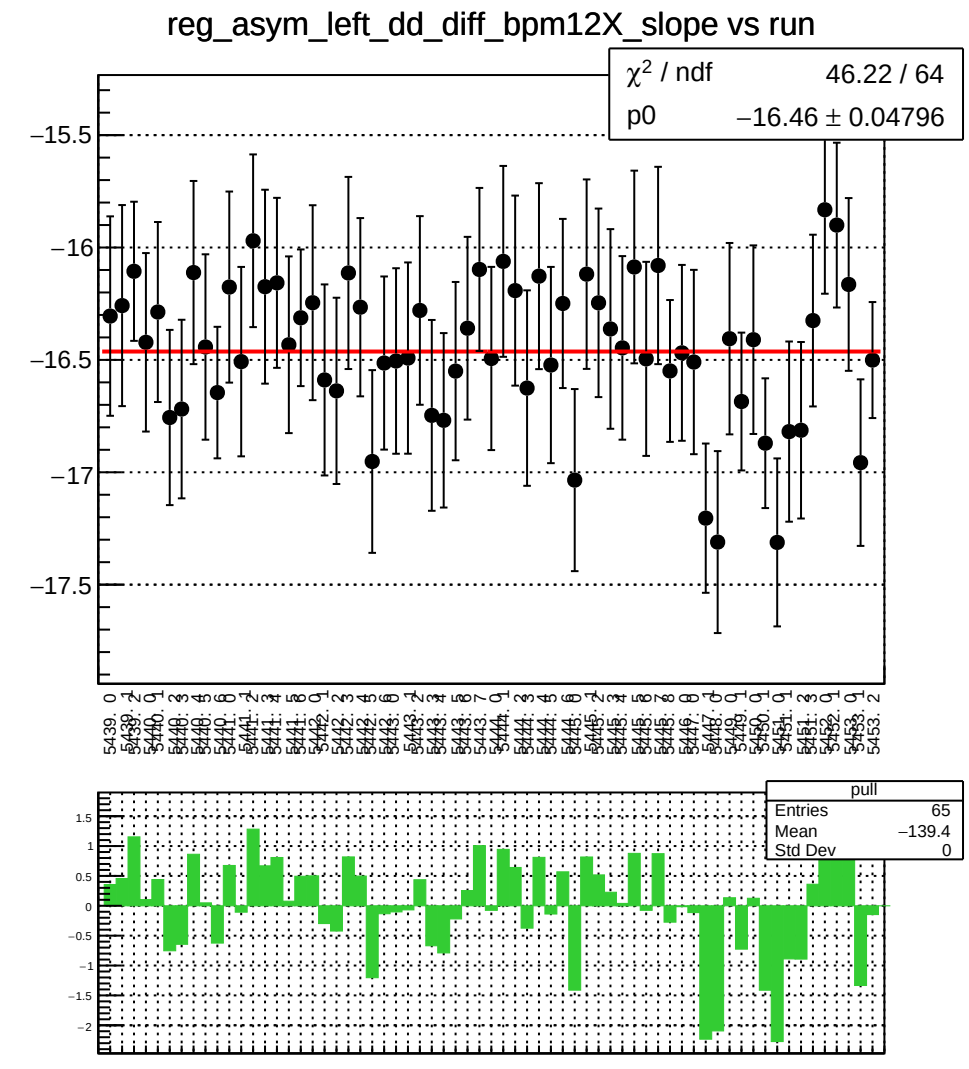

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.15 / 64
p0 4.654 ± 0.8416
pull
Entries 65
Mean −104.6
Std Dev 0

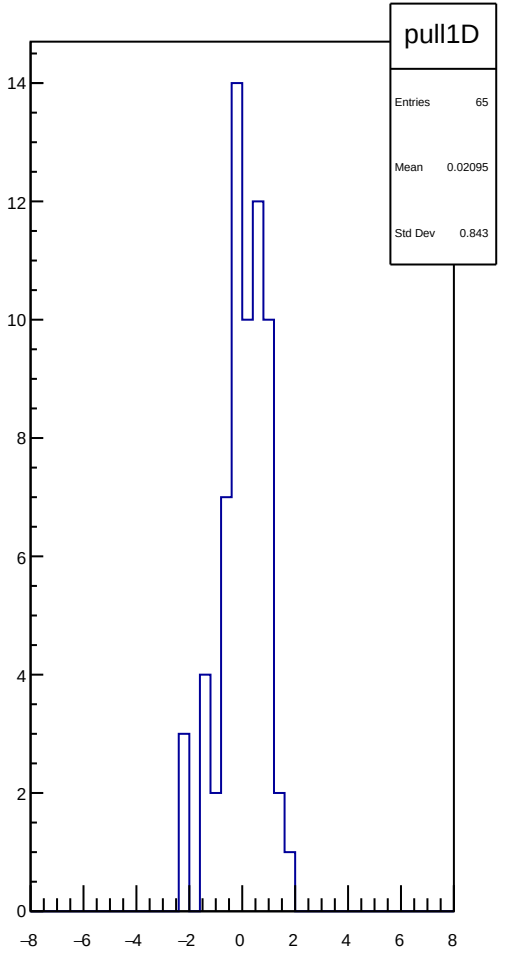

pull1D
Entries 65
Mean −0.01365
Std Dev 0.6579

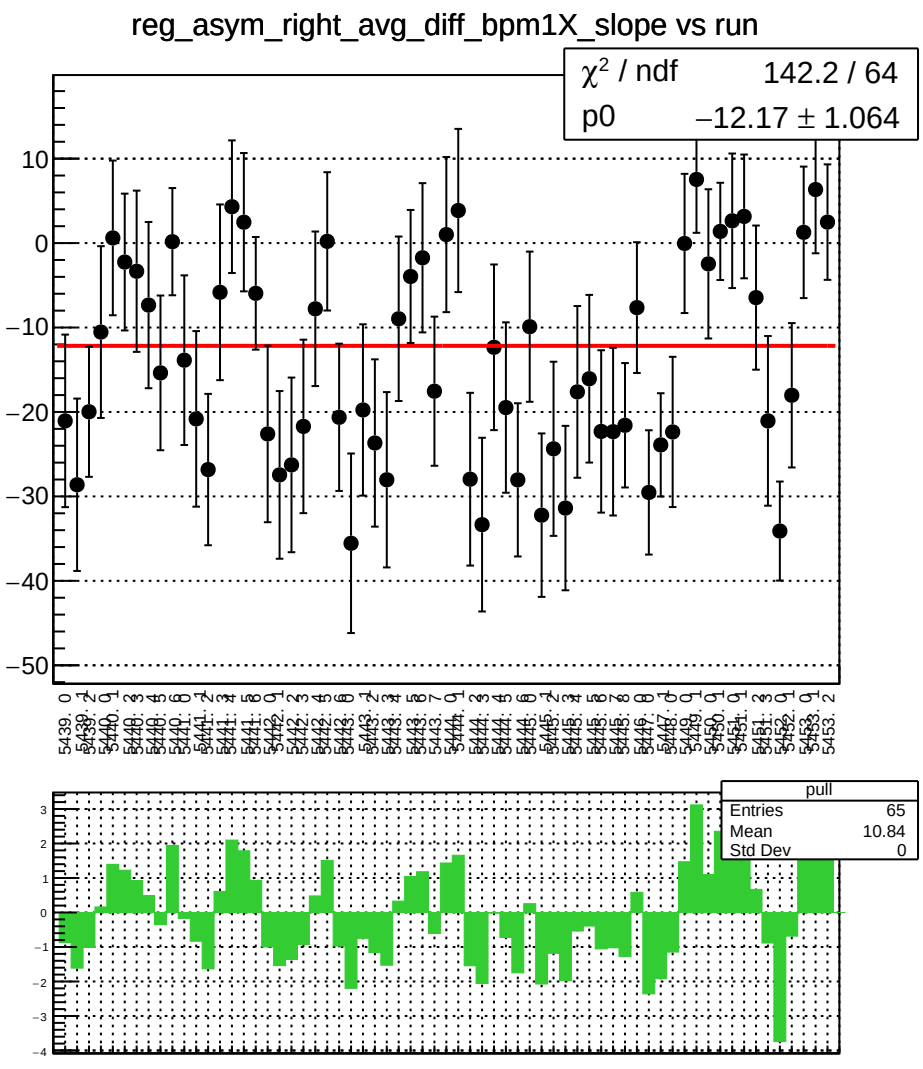

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.31 / 64
p0 −6.451 ± 0.8049
pull
Entries 65
Mean −89.9
Std Dev 0

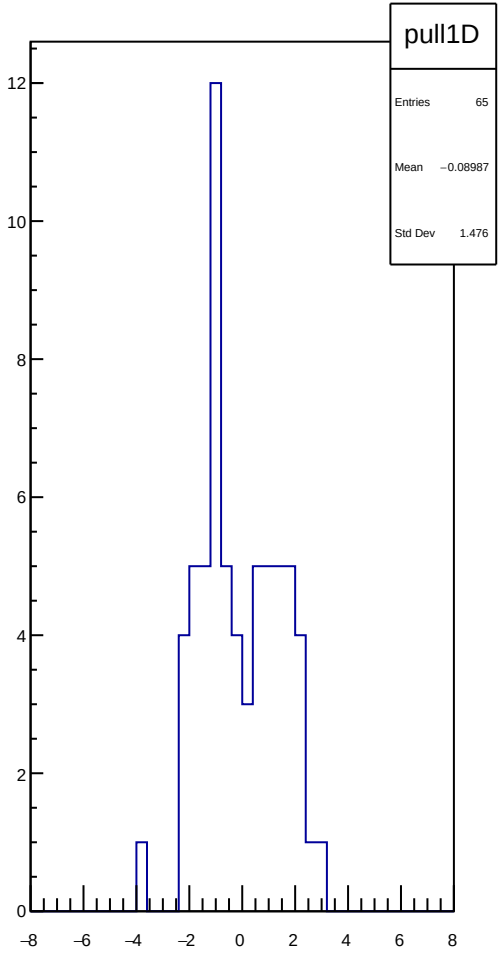

pull1D
Entries 65
Mean −0.02769
Std Dev 0.6823

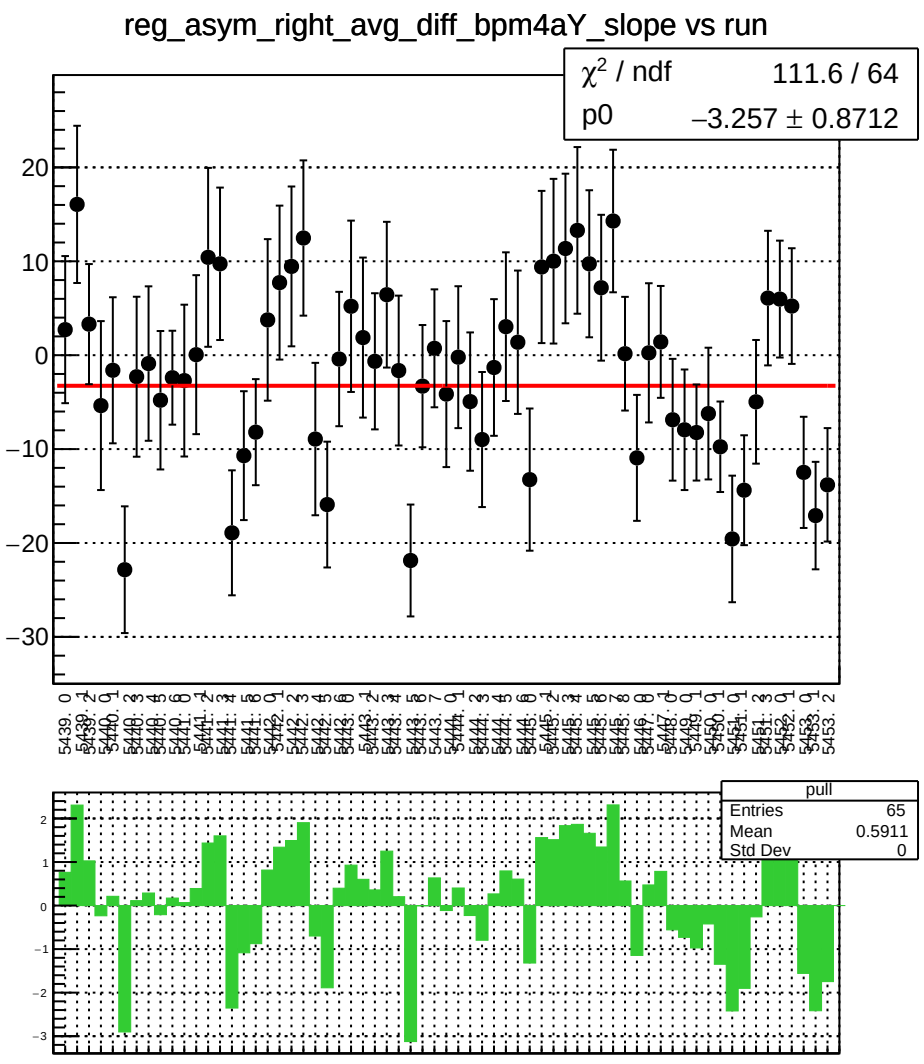

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.34 / 64
p0 1.435 ± 1.072
pull
Entries 65
Mean −79.91
Std Dev 0
pull1D
Entries 65
Mean 0.01775
Std Dev 0.6482

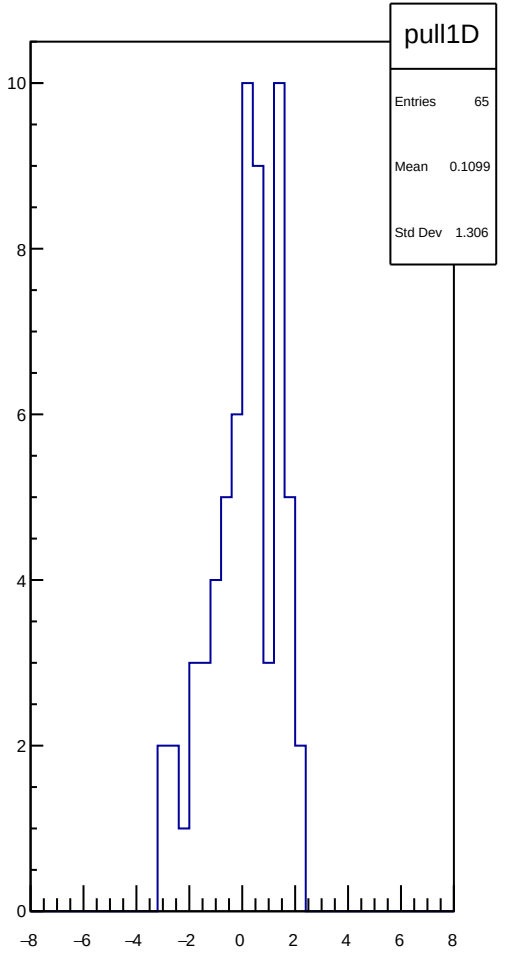

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 46.22 / 64
p0 −16.46 ± 0.04796
pull
Entries 65
Mean −139.4
Std Dev 0

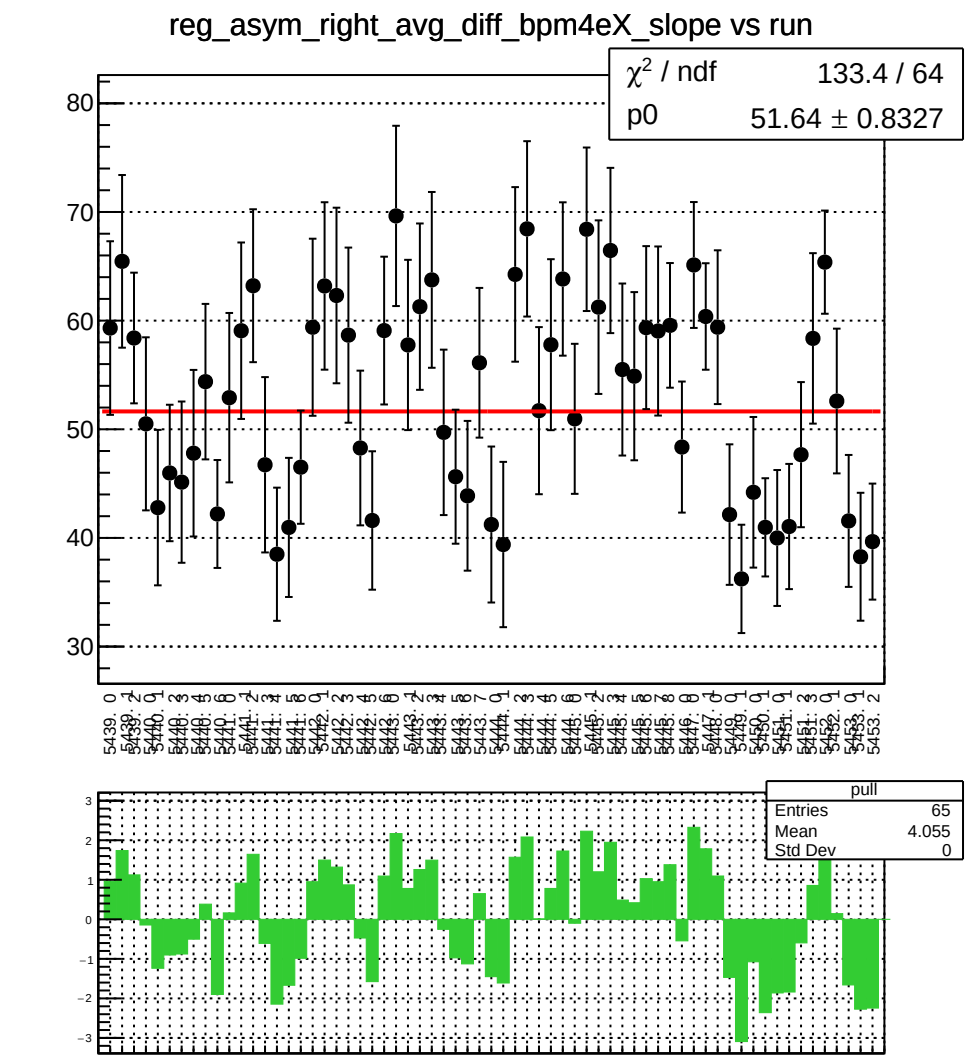

pull1D
Entries 65
Mean 0.02095
Std Dev 0.843

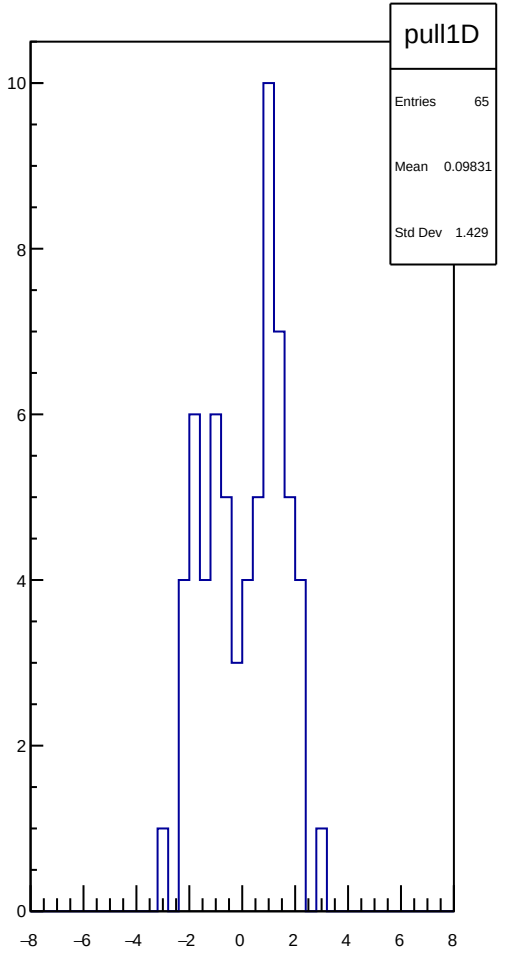

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 142.2 / 64
p0 −12.17 ± 1.064
pull
Entries 65
Mean 10.84
Std Dev 0

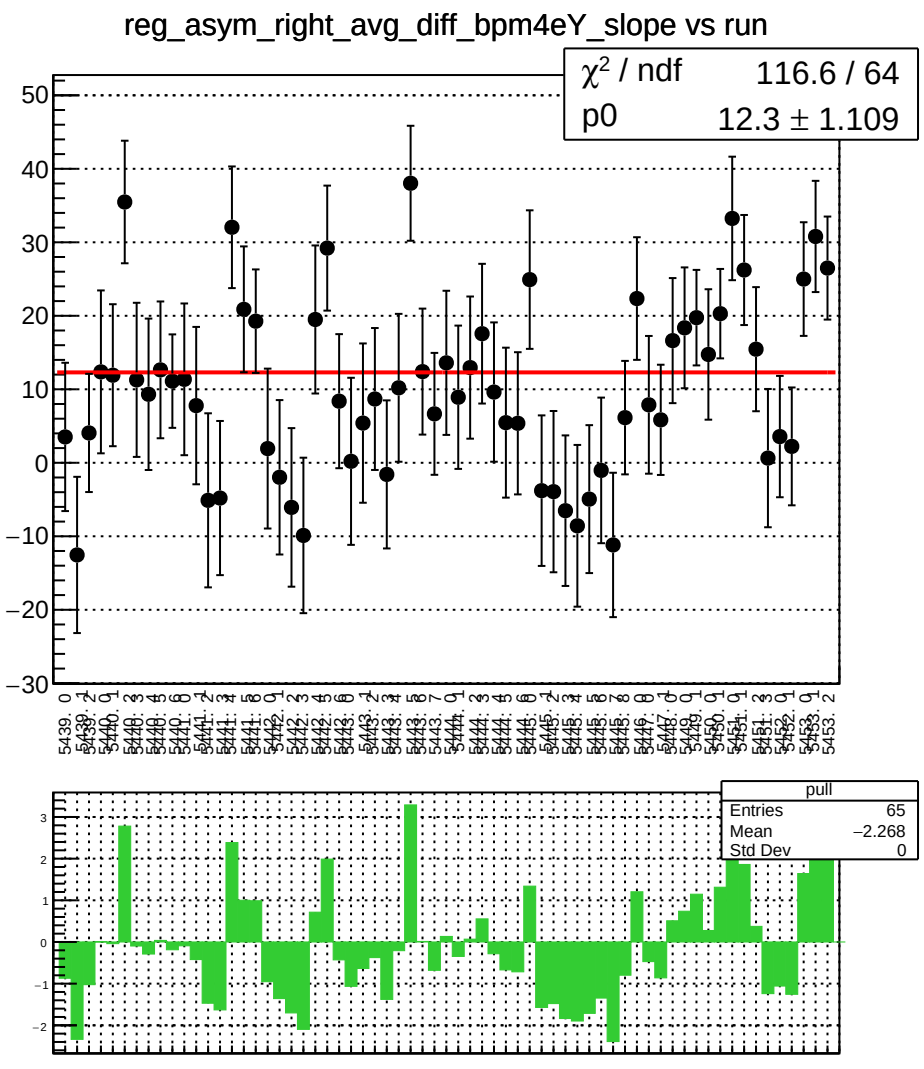

pull1D
Entries 65
Mean −0.08987
Std Dev 1.476

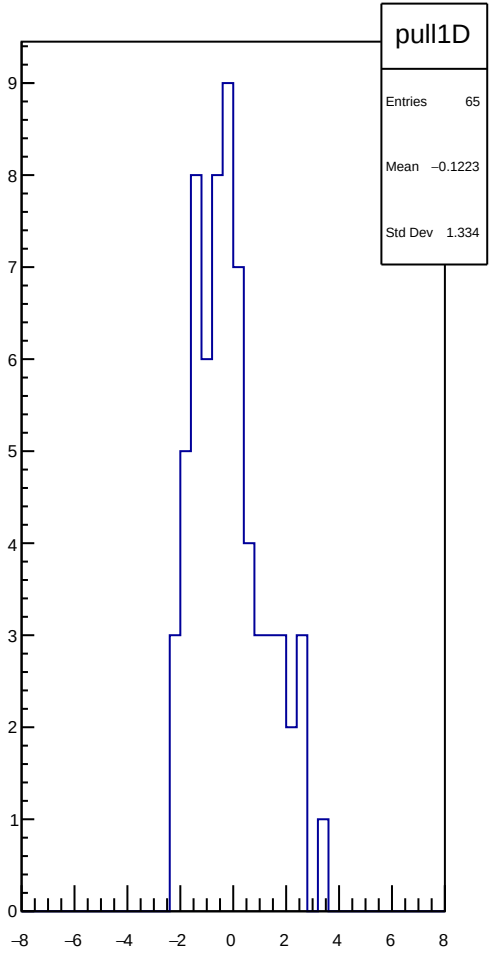

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 111.6 / 64
p0 −3.257 ± 0.8712
pull
Entries 65
Mean 0.5911
Std Dev 0

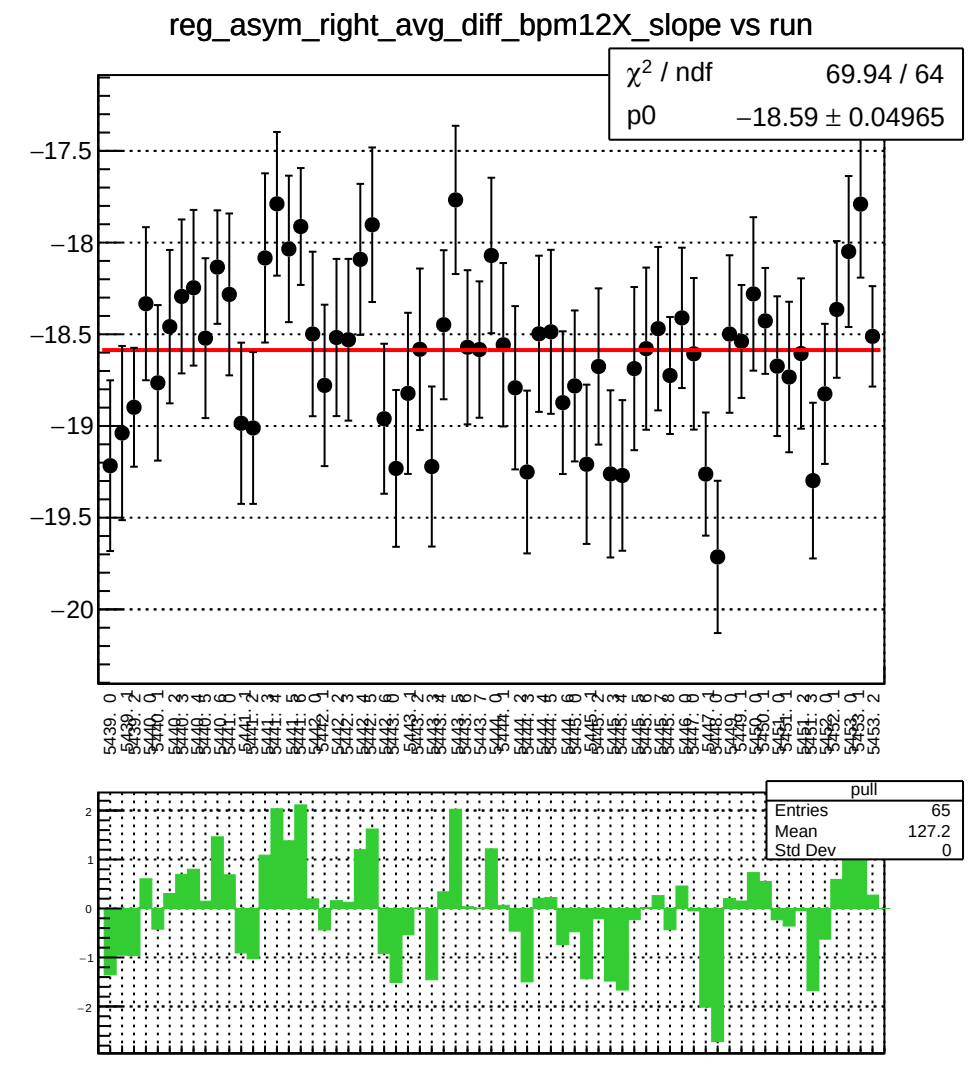

pull1D
Entries 65
Mean 0.1099
Std Dev 1.306

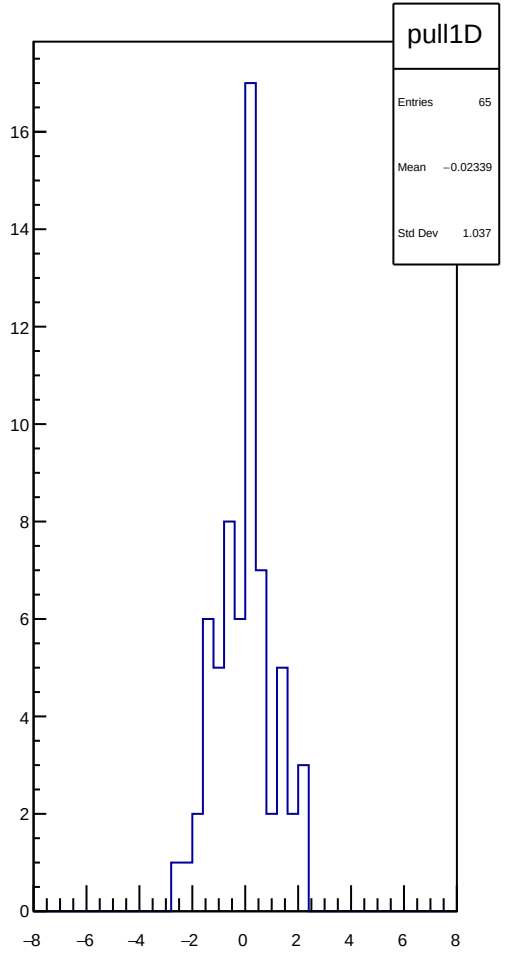

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 133.4 / 64
p0 51.64 ± 0.8327
pull
Entries 65
Mean 4.055
Std Dev 0

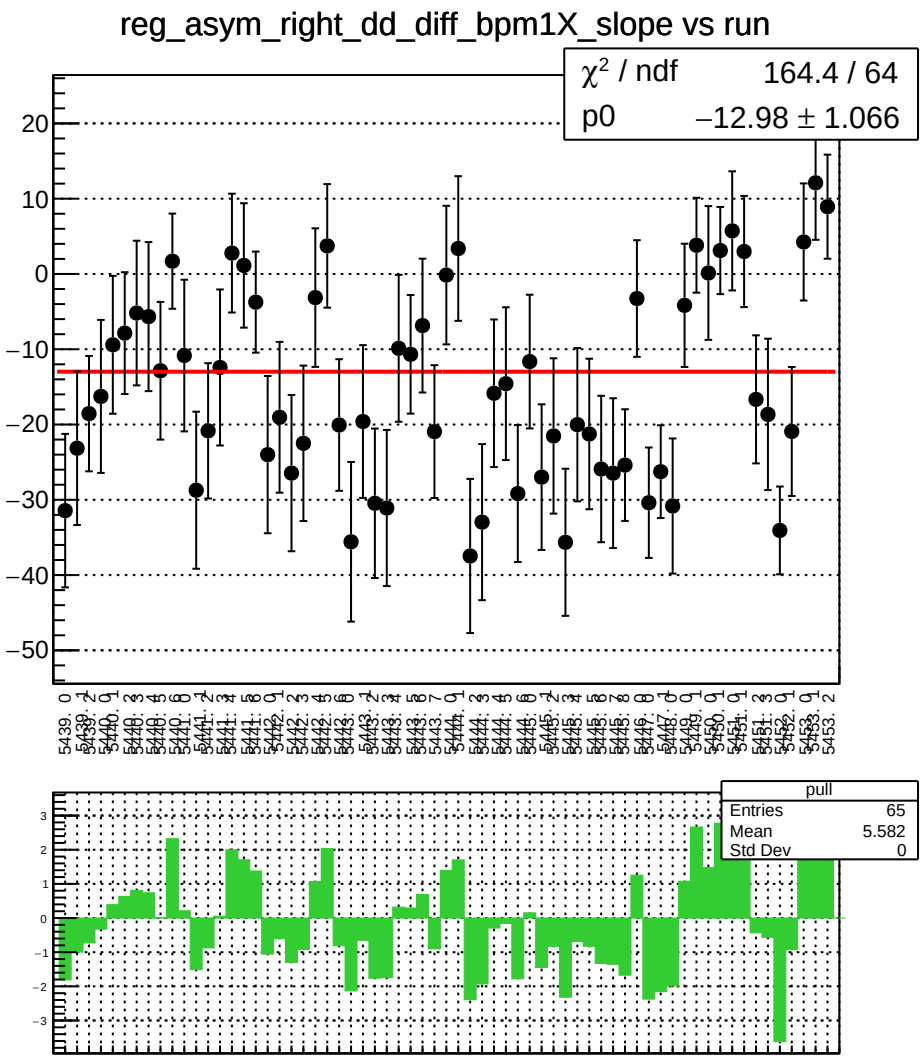

pull1D
Entries 65
Mean 0.09831
Std Dev 1.429

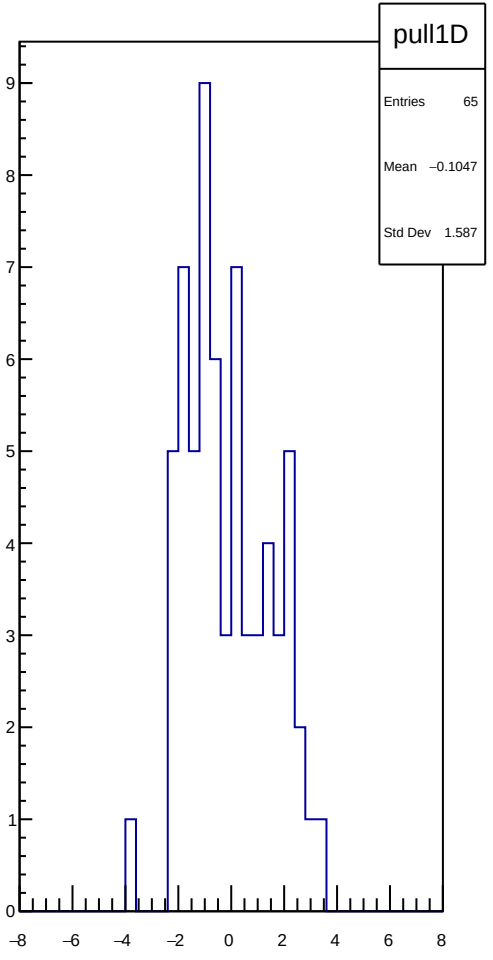

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 116.6 / 64
p0 12.3 ± 1.109
pull
Entries 65
Mean −2.268
Std Dev 0

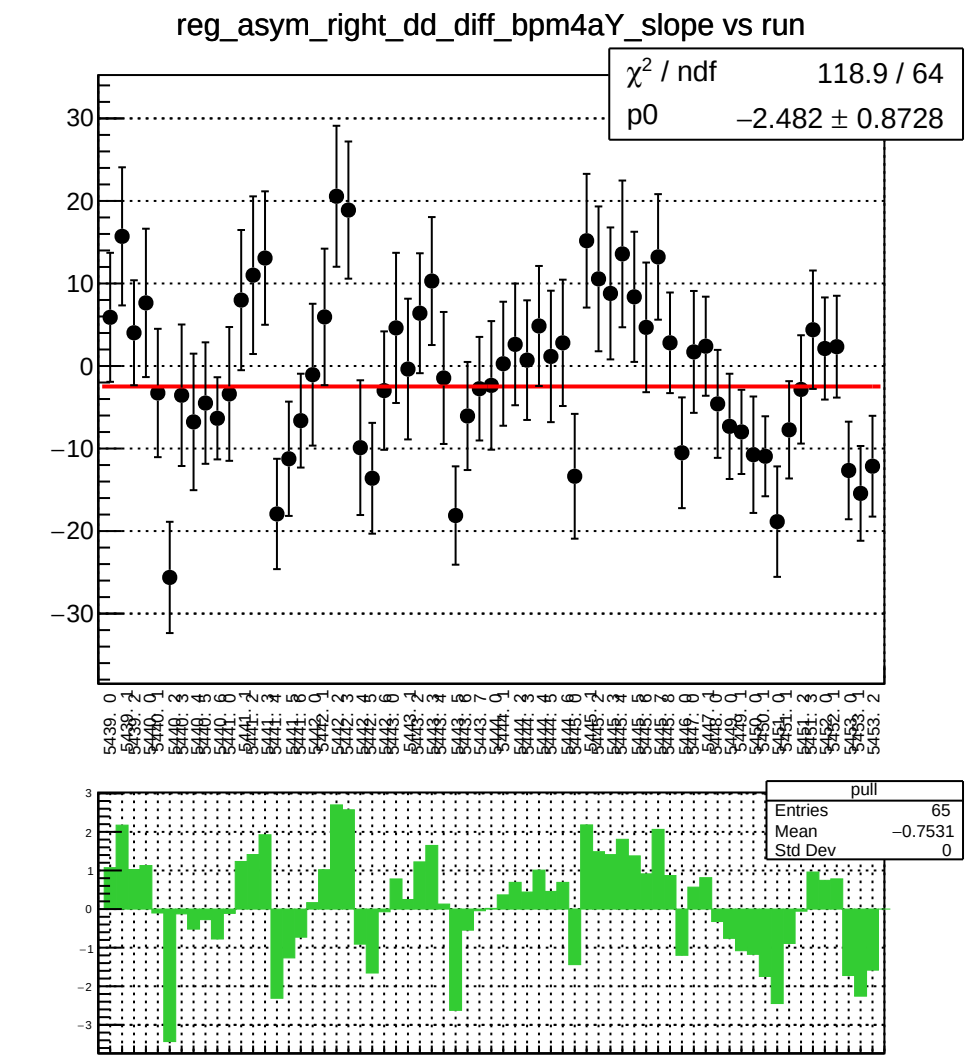

pull1D
Entries 65
Mean −0.1223
Std Dev 1.334

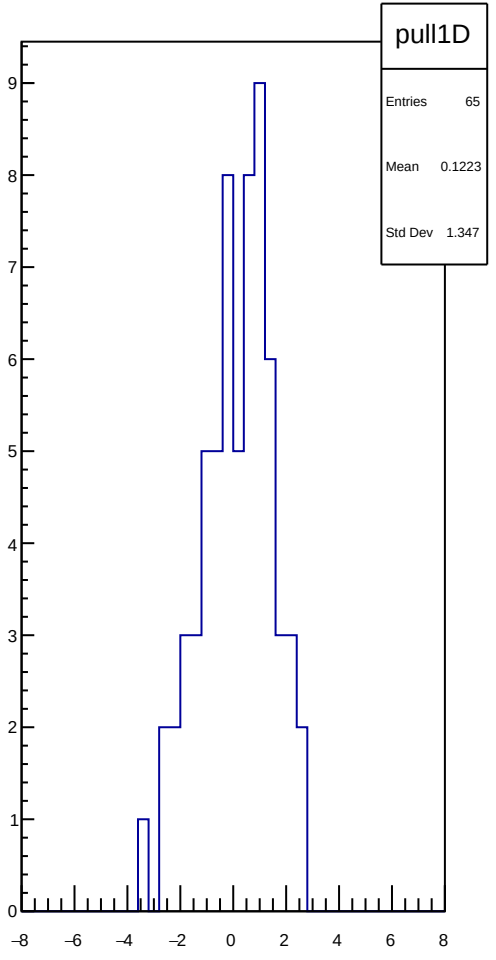

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 69.94 / 64
p0 −18.59 ± 0.04965
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 65
Mean 127.2
Std Dev 0
2
1
0
−1
−2

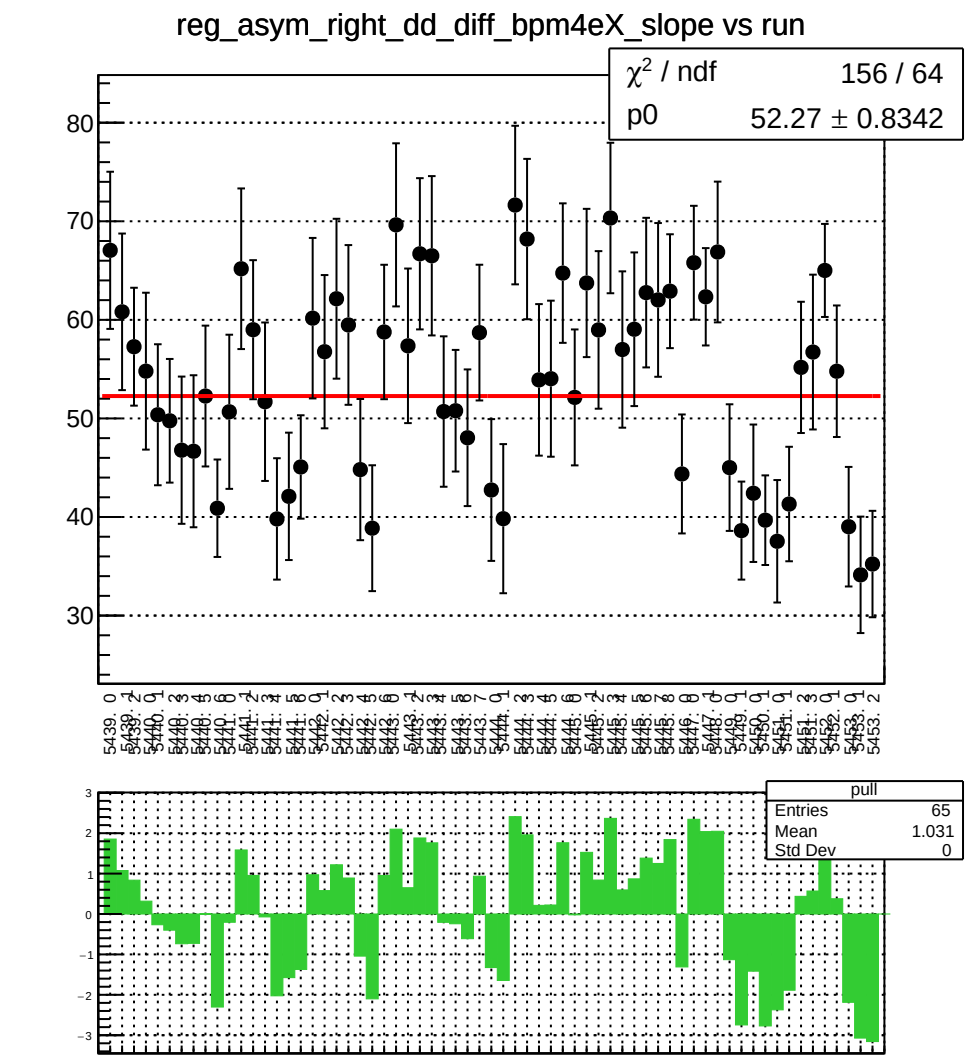

pull1D
Entries 65
Mean −0.02339
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

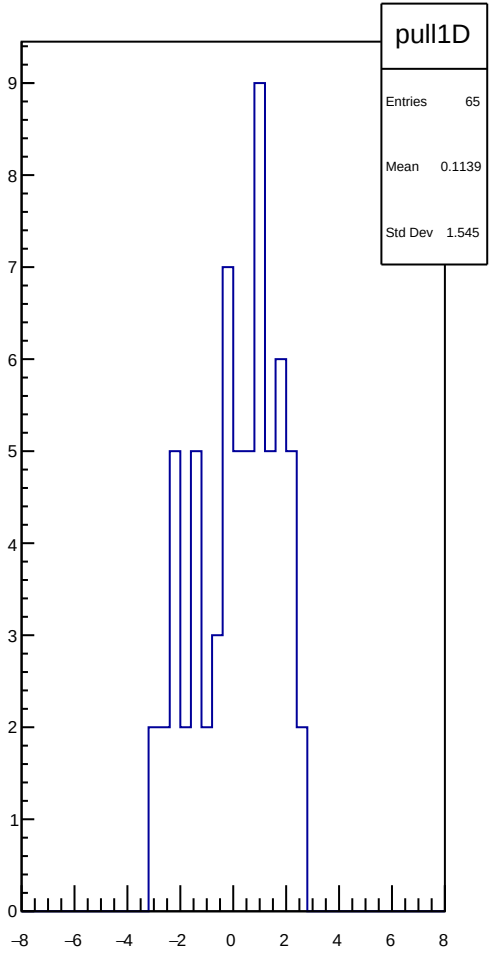

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 164.4 / 64
p0 −12.98 ± 1.066
pull
Entries 65
Mean 5.582
Std Dev 0

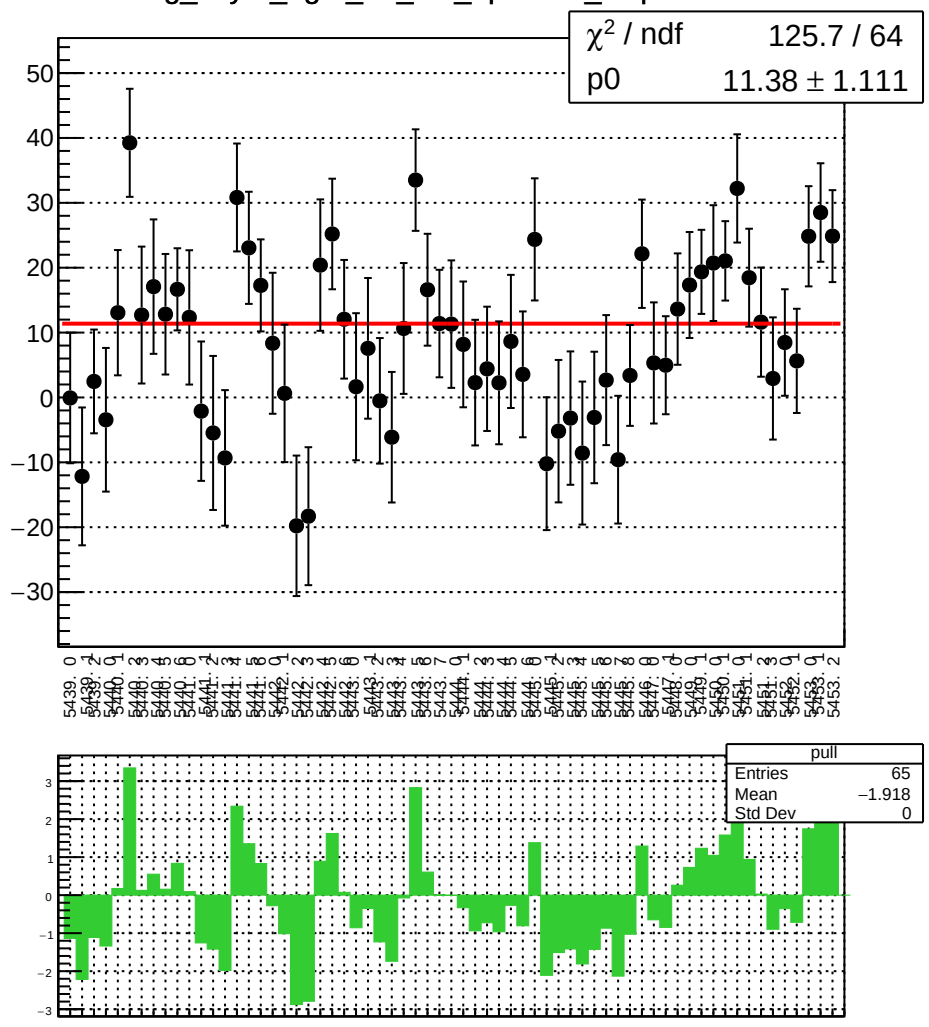

pull1D
Entries 65
Mean −0.1047
Std Dev 1.587

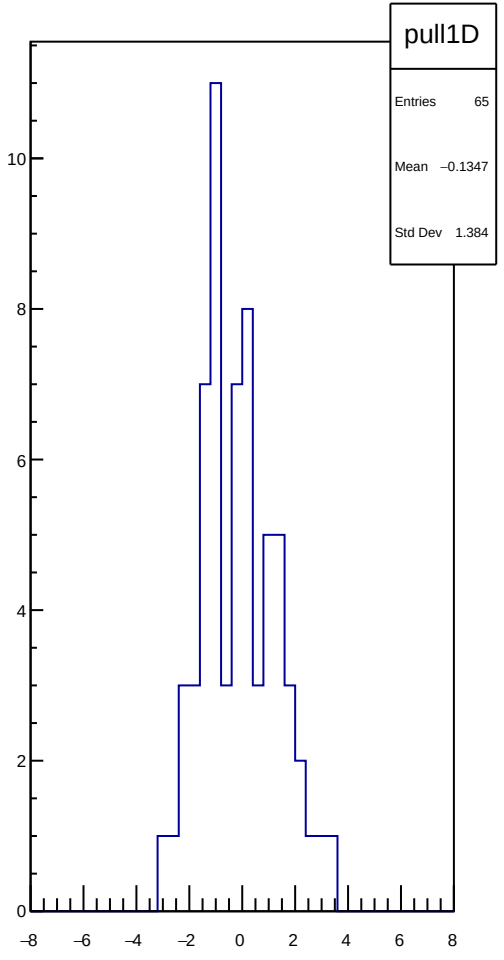

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 118.9 / 64
p0 −2.482 ± 0.8728
pull
Entries 65
Mean −0.7531
Std Dev 0

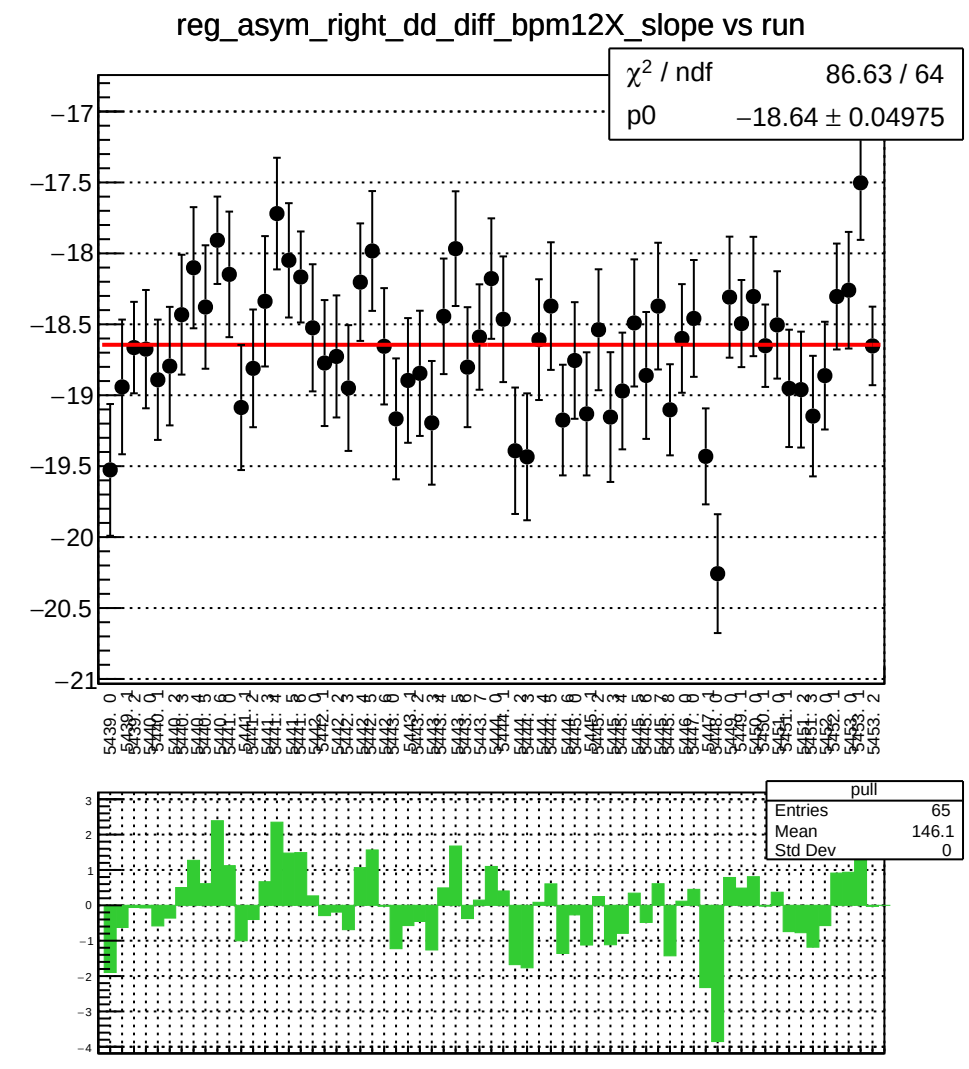

pull1D
Entries 65
Mean 0.1223
Std Dev 1.347

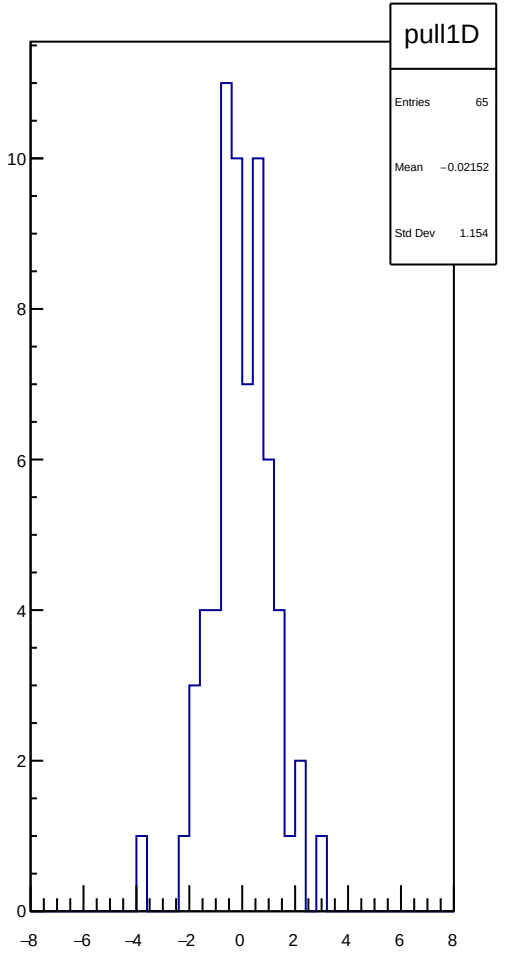

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 156 / 64
p0 52.27 ± 0.8342
pull
Entries 65
Mean 1.031
Std Dev 0

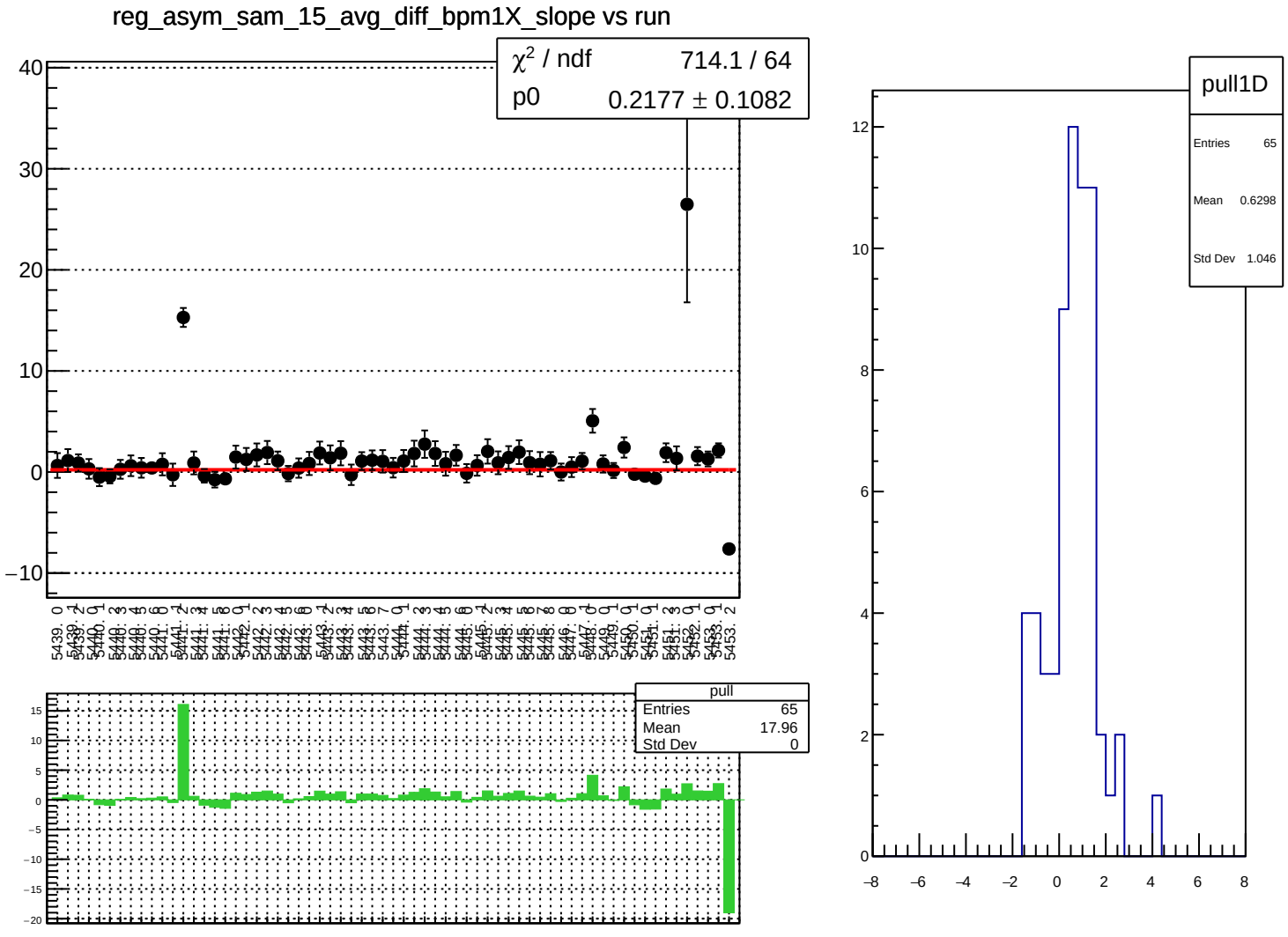

pull1D
Entries 65
Mean 0.1139
Std Dev 1.545

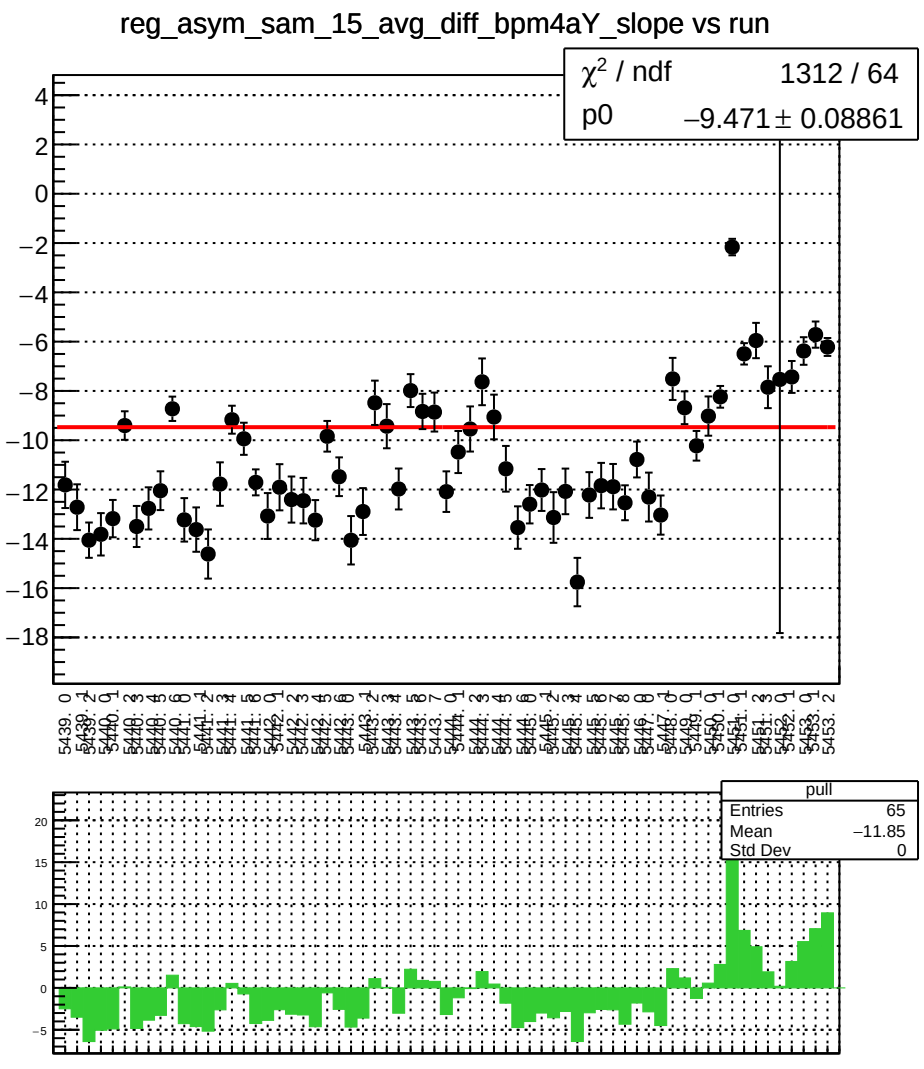

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 125.7 / 64
p0 11.38 ± 1.111
pull
Entries 65
Mean −1.918
Std Dev 0

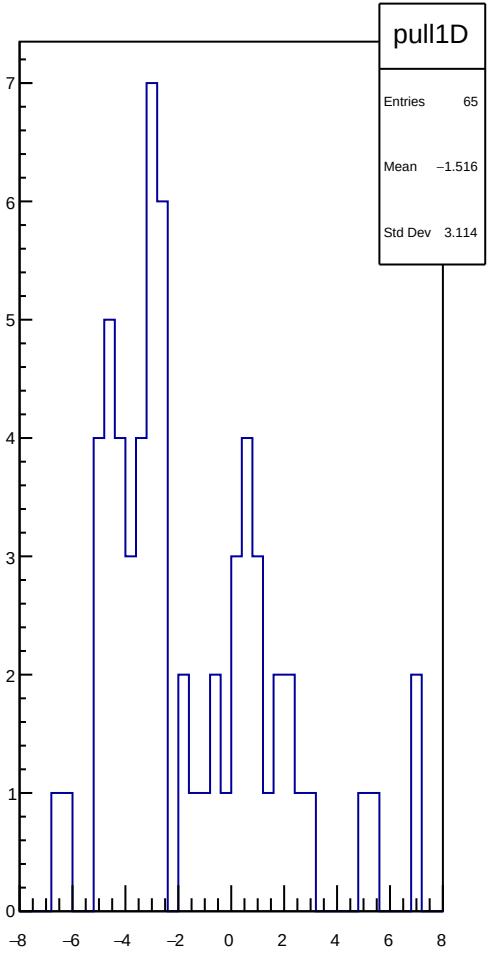

pull1D
Entries 65
Mean −0.1347
Std Dev 1.384

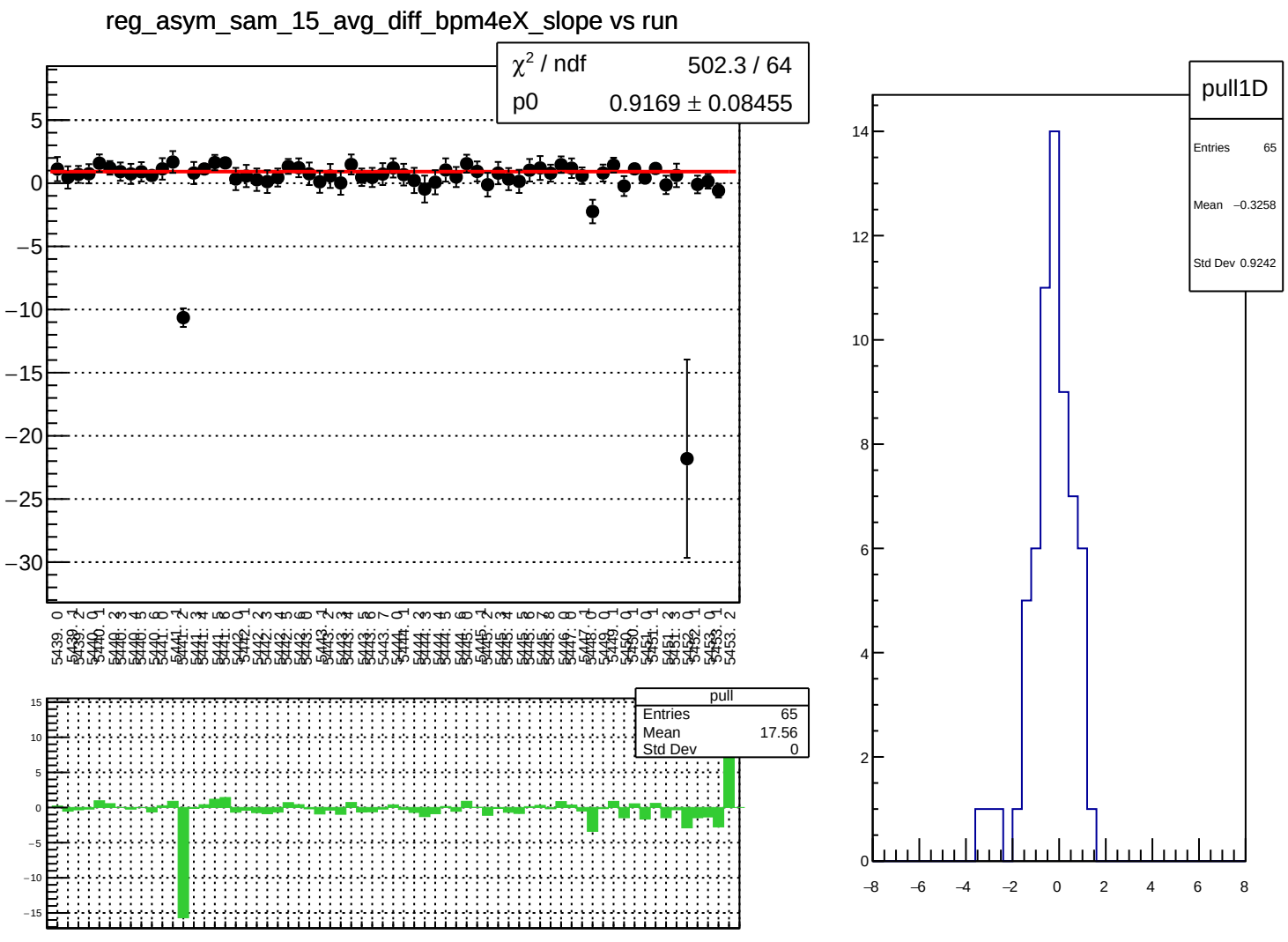

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 86.63 / 64
p0 −18.64 ± 0.04975
pull
Entries 65
Mean 146.1
Std Dev 0

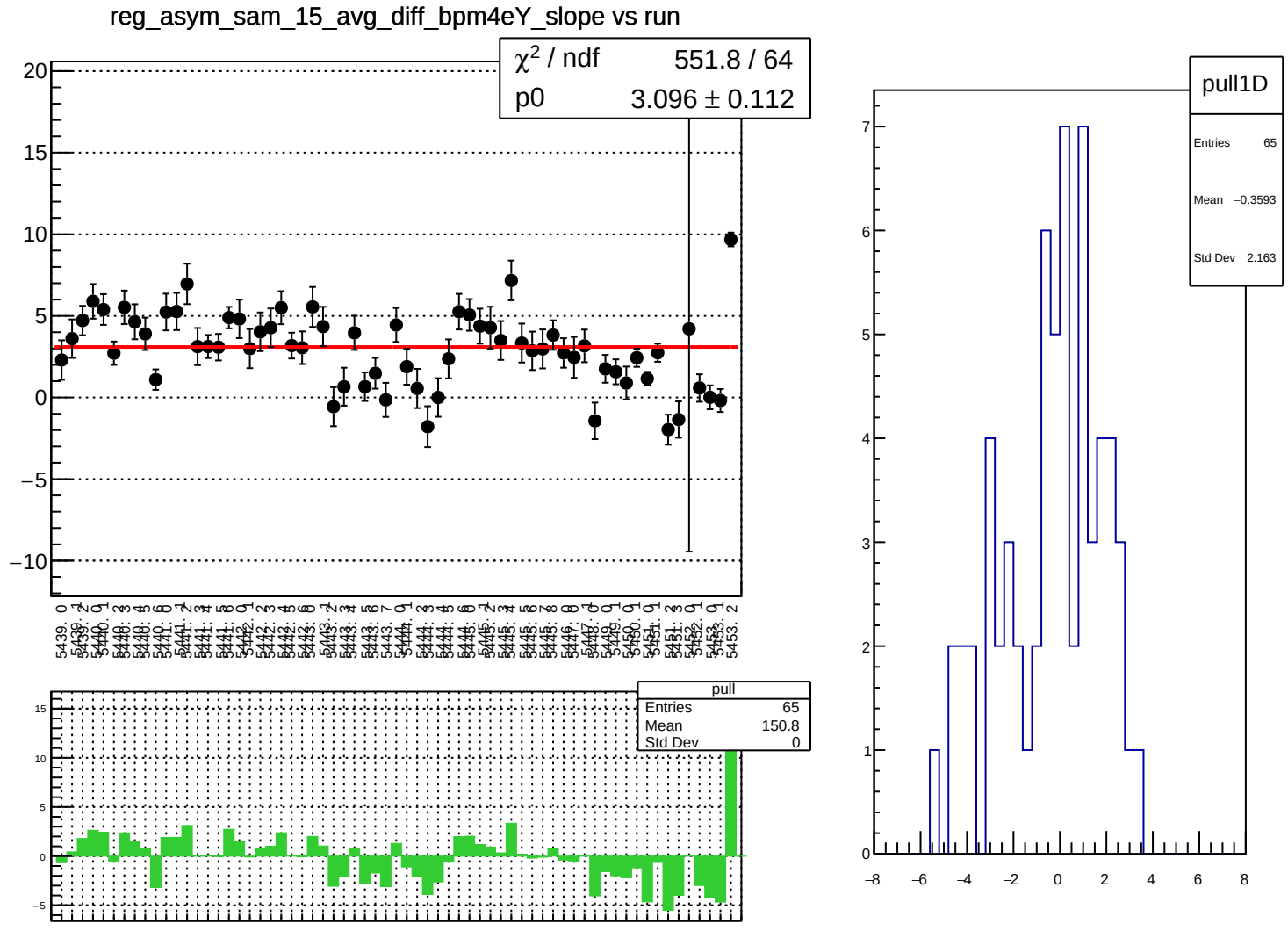

pull1D
Entries 65
Mean −0.02152
Std Dev 1.154

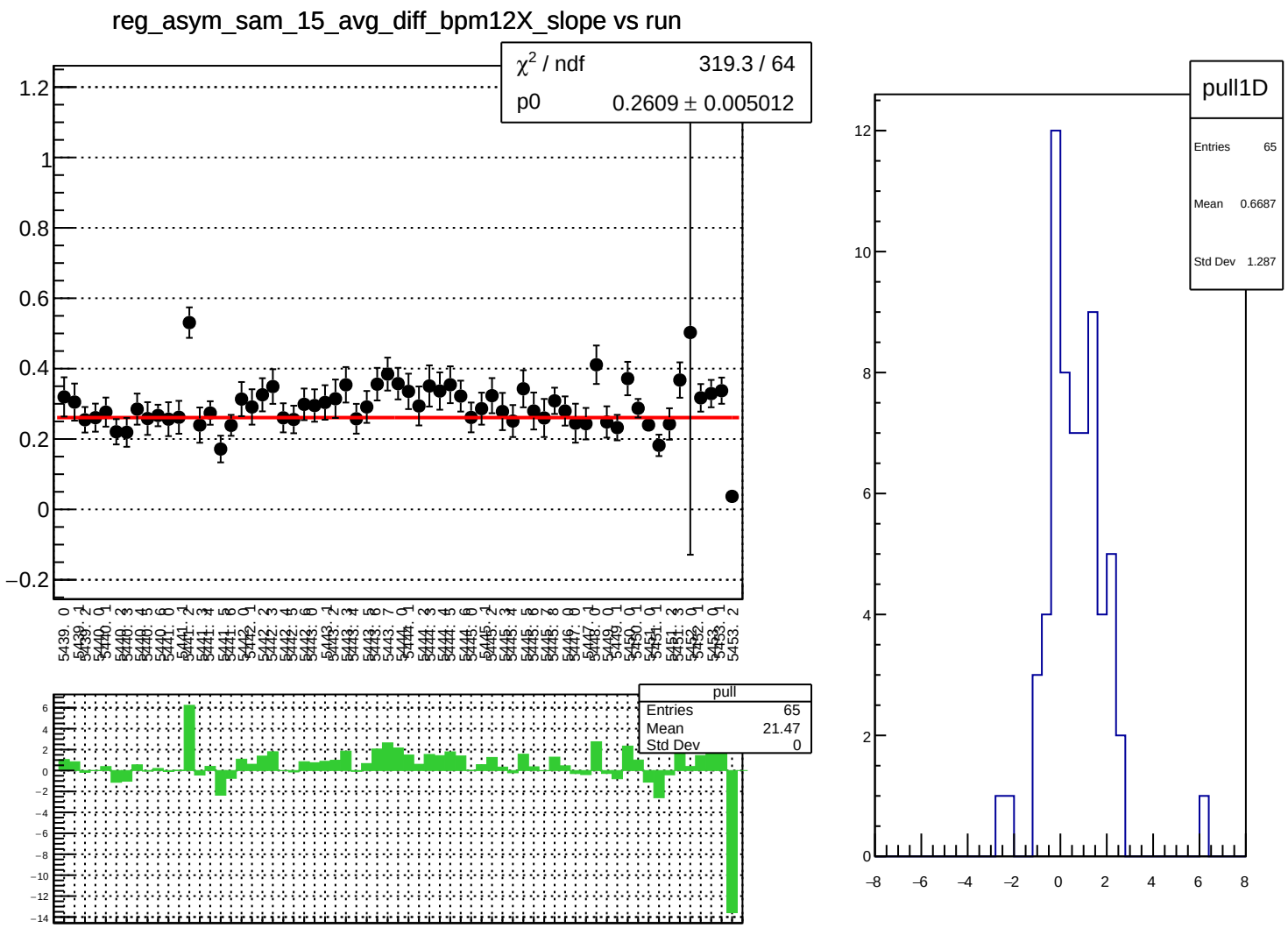

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 714.1 / 64
p0 0.2177 ± 0.1082
pull
Entries 65
Mean 17.96
Std Dev 0
pull1D
Entries 65
Mean 0.6298
Std Dev 1.046

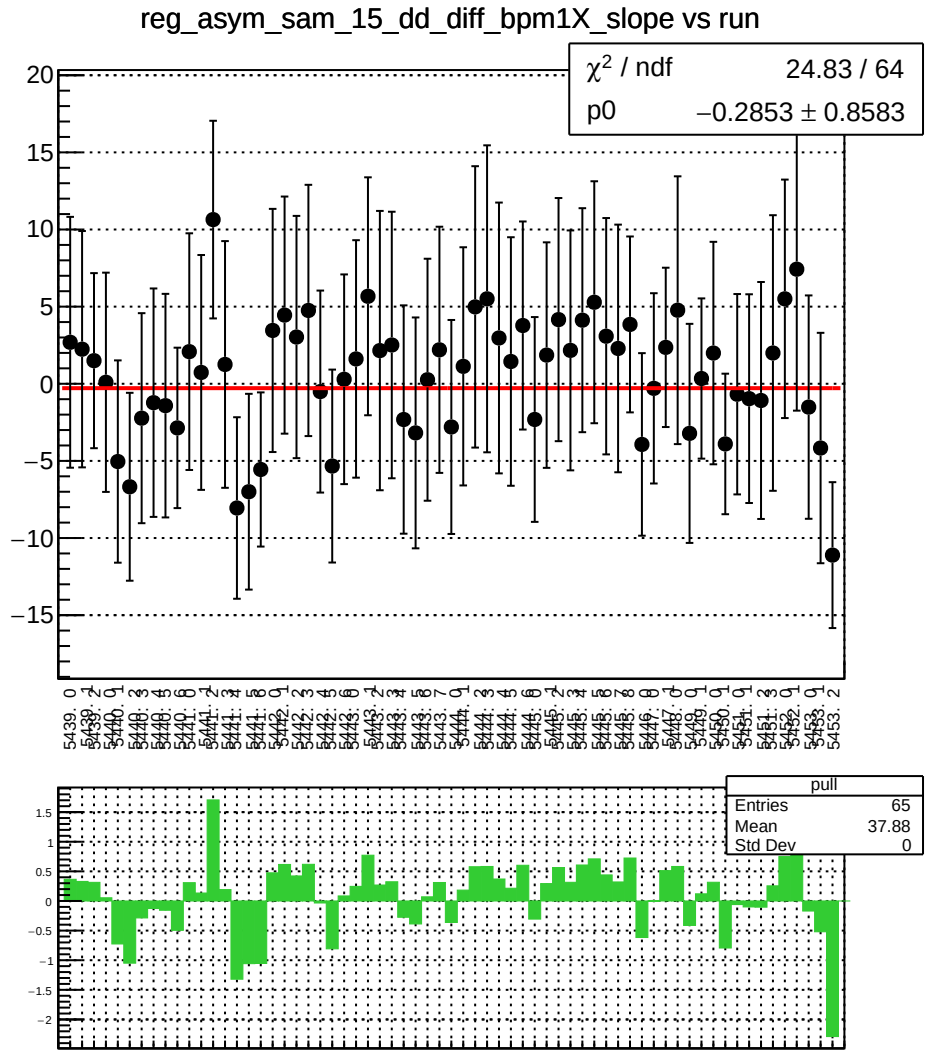

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 1312 / 64
p0 −9.471 ± 0.08861
pull
Entries 65
Mean −11.85
Std Dev 0

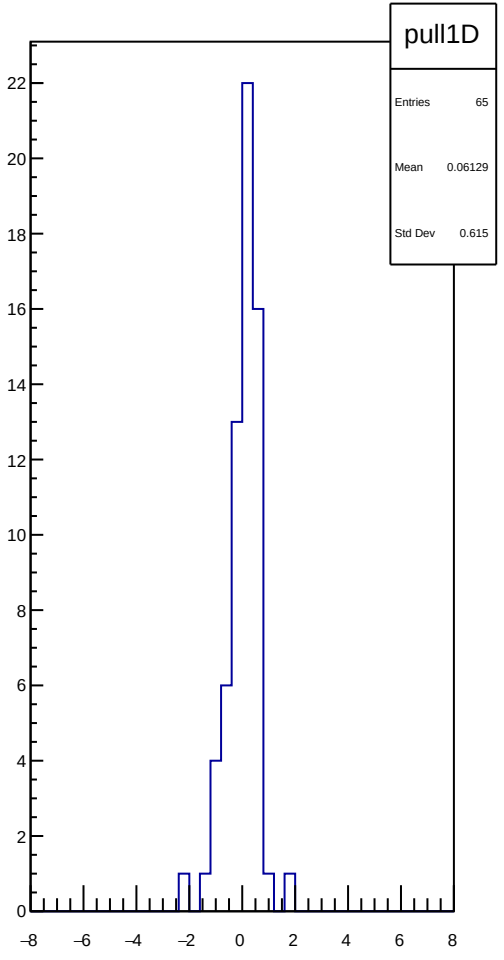

pull1D
Entries 65
Mean −1.516
Std Dev 3.114

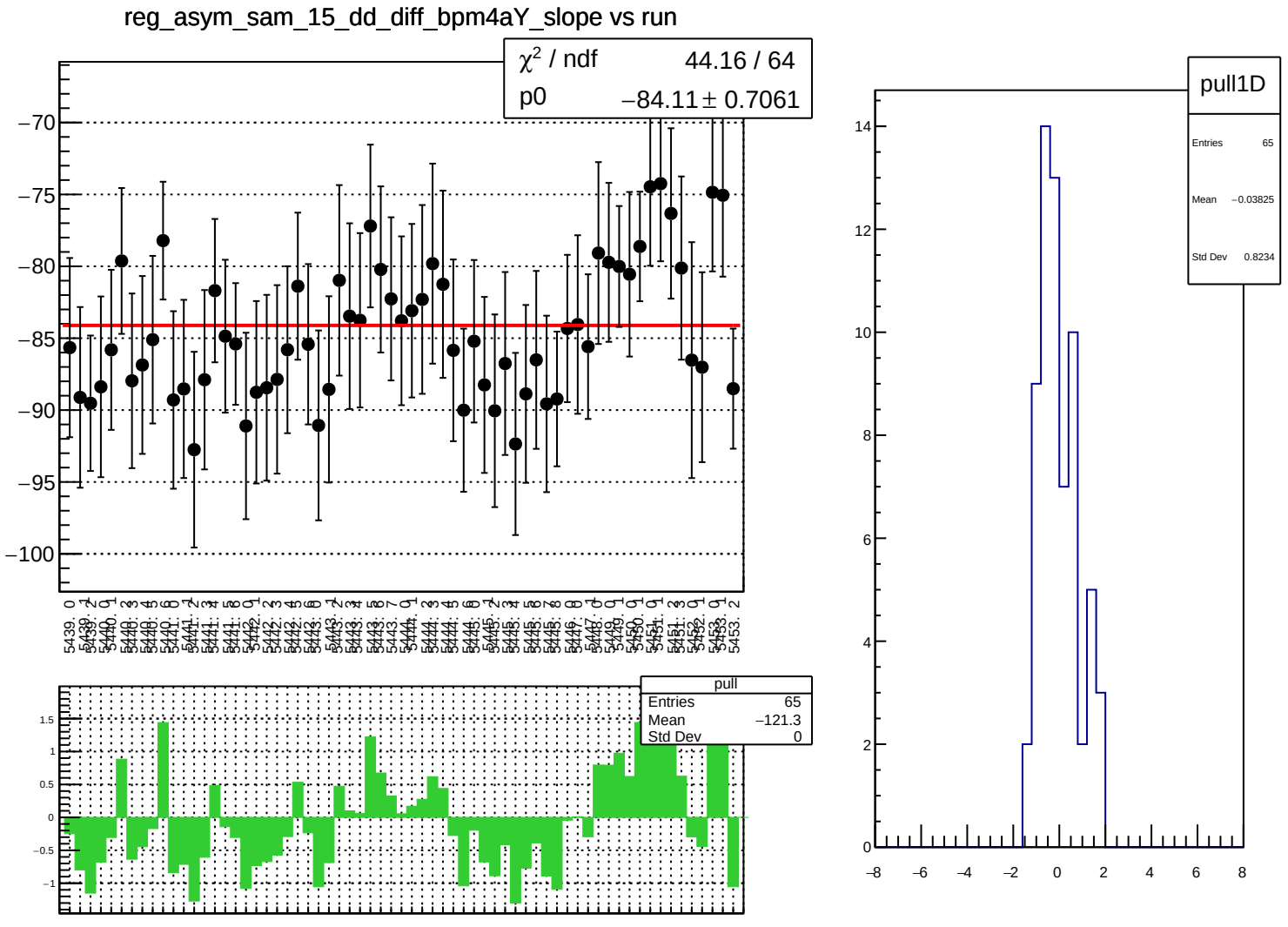

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 502.3 / 64
p0 0.9169 ± 0.08455
pull
Entries 65
Mean 17.56
Std Dev 0
pull1D
Entries 65
Mean −0.3258
Std Dev 0.9242

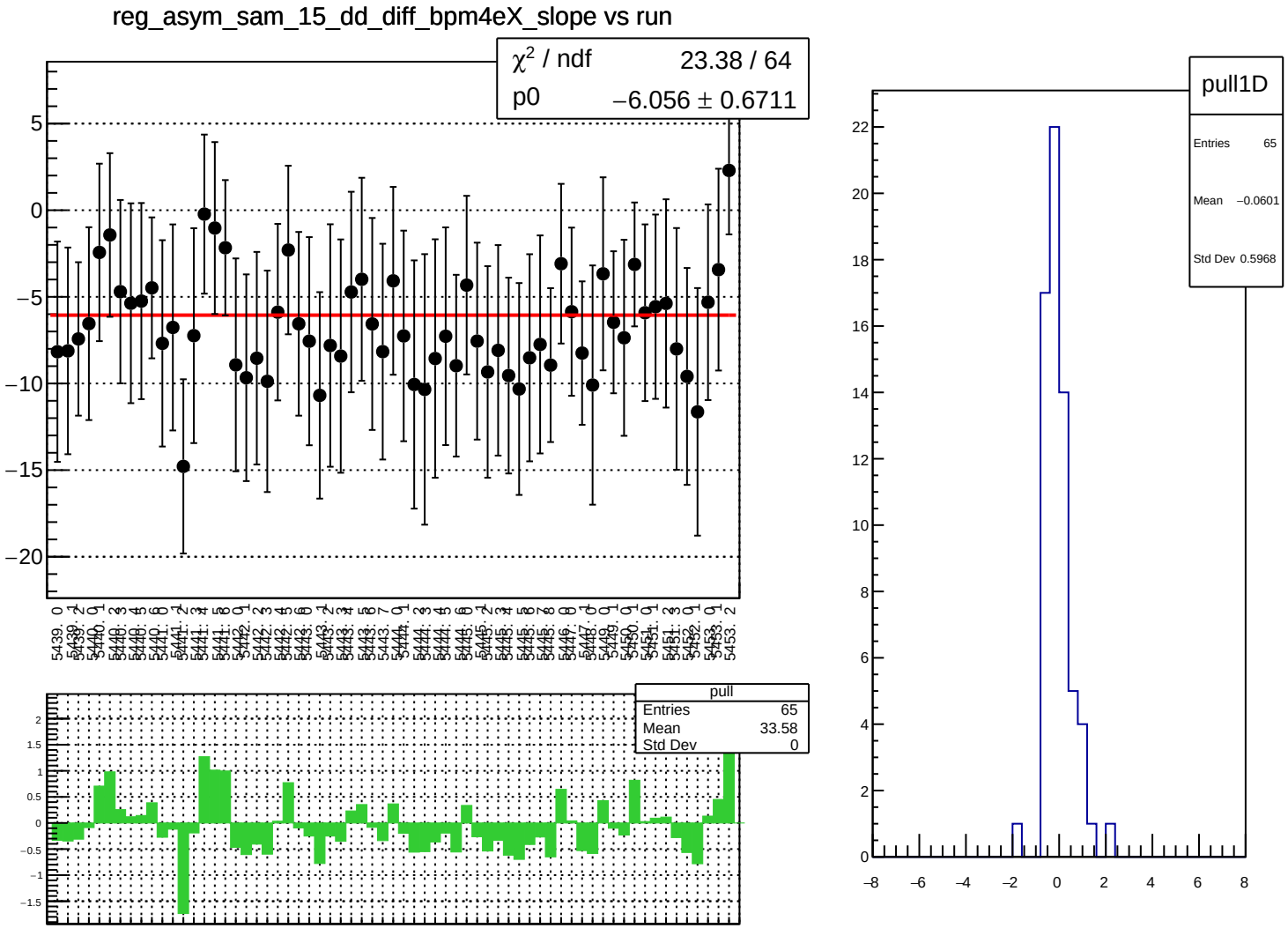

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 551.8 / 64
p0 3.096 ± 0.112
pull
Entries 65
Mean 150.8
Std Dev 0
pull1D
Entries 65
Mean −0.3593
Std Dev 2.163

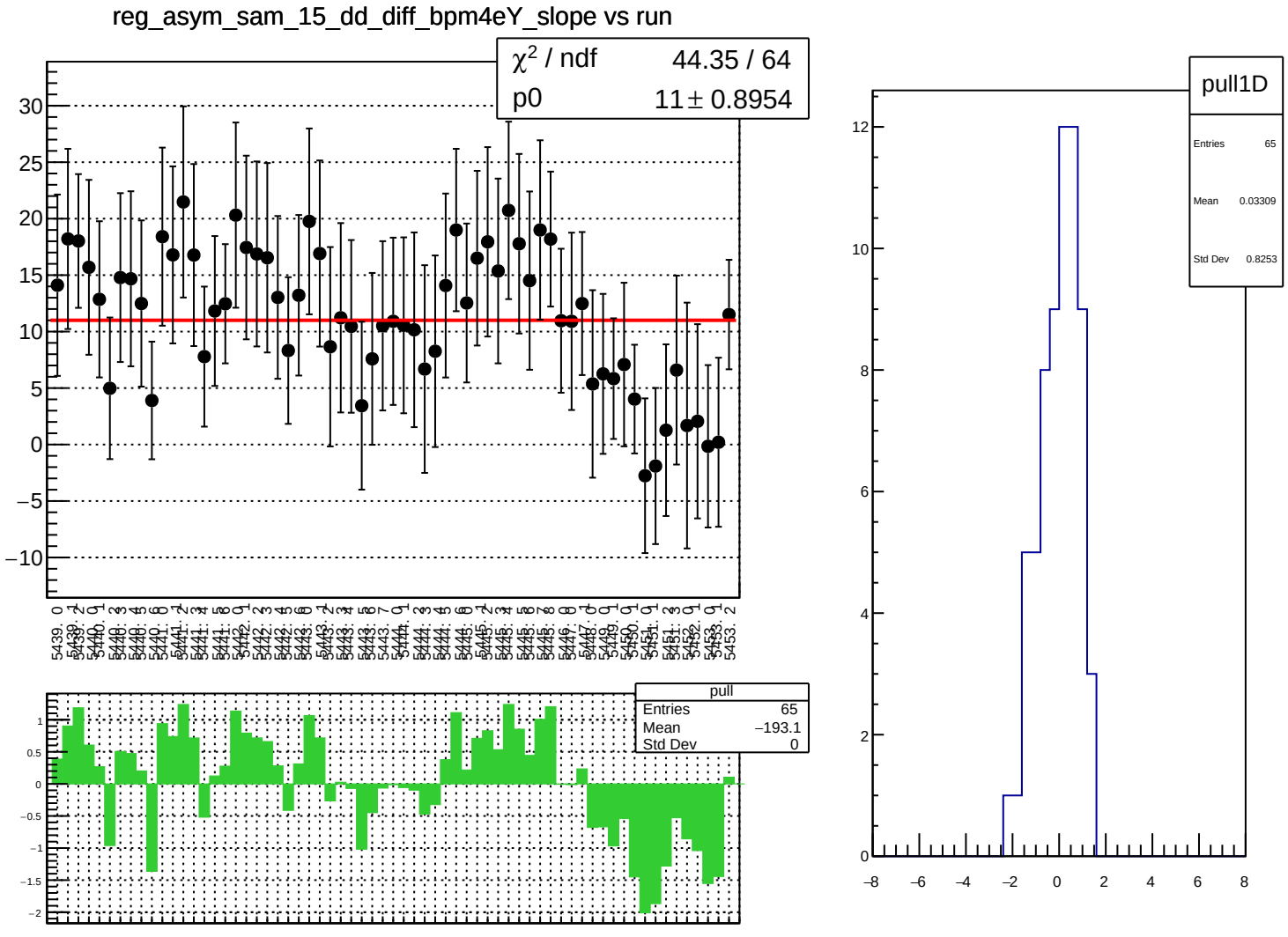

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 319.3 / 64
p0 0.2609 ± 0.005012
pull
Entries 65
Mean 21.47
Std Dev 0
pull1D
Entries 65
Mean 0.6687
Std Dev 1.287

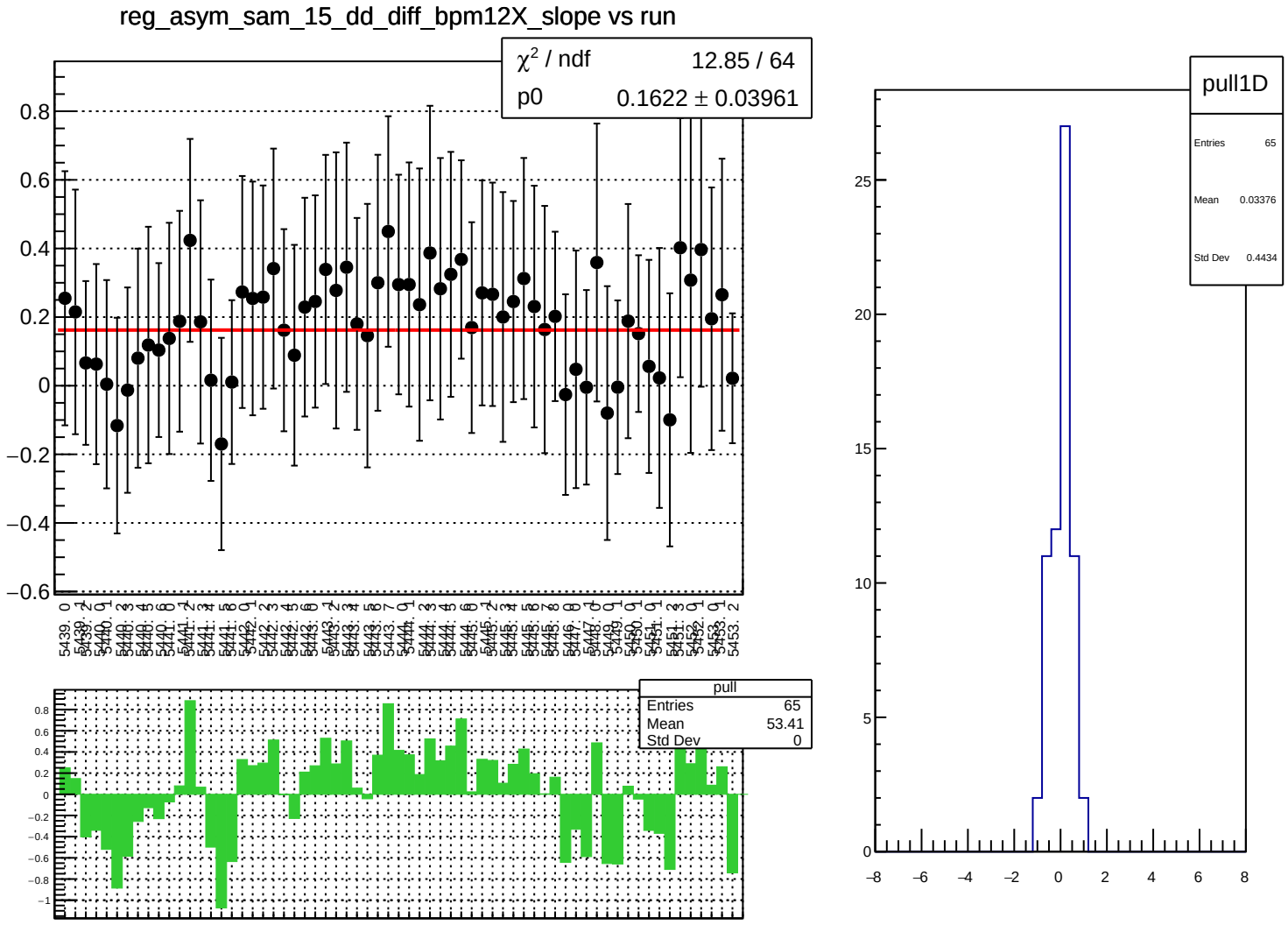

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 24.83 / 64
p0 −0.2853 ± 0.8583
pull
Entries 65
Mean 37.88
Std Dev 0

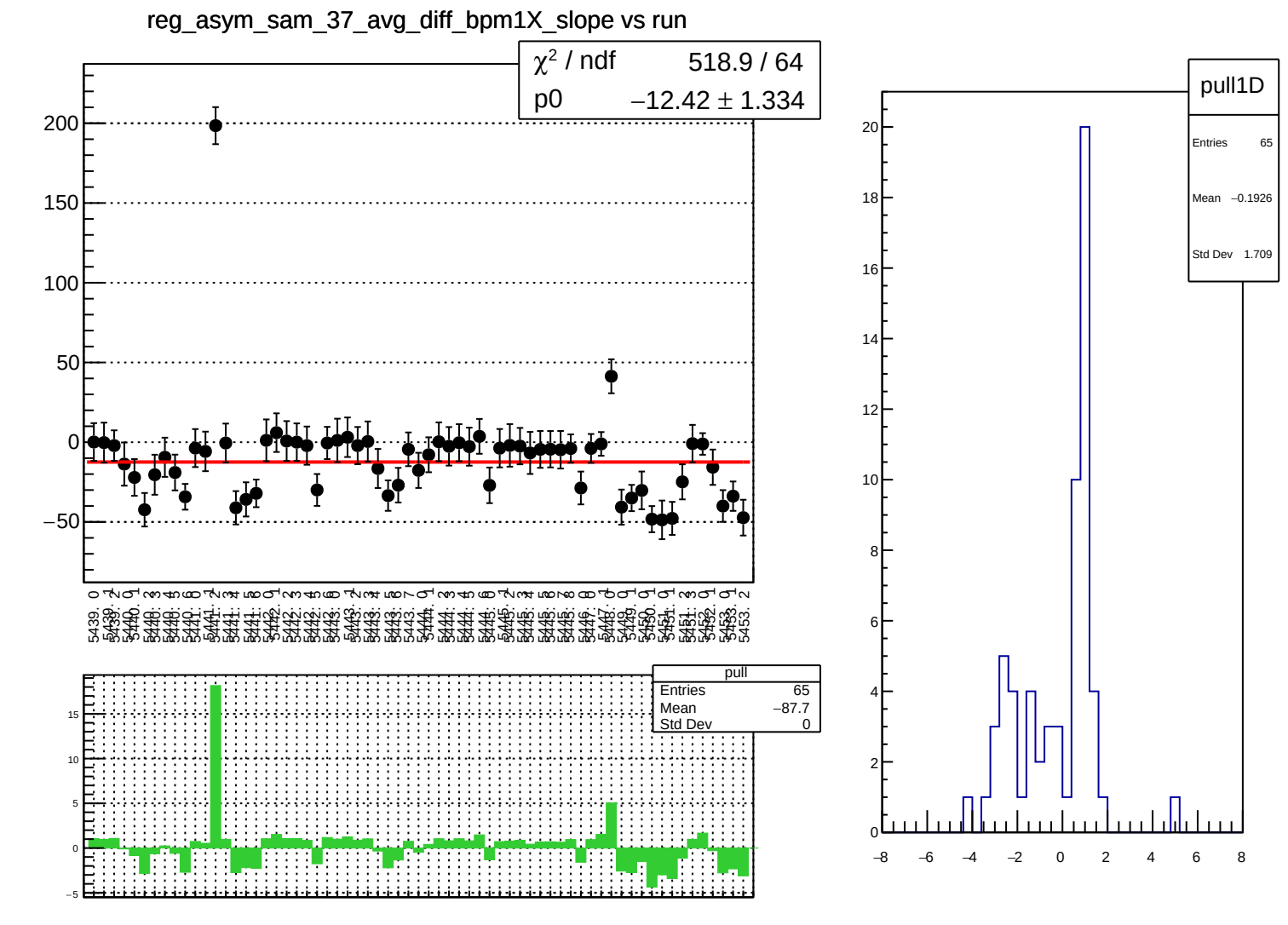

pull1D
Entries 65
Mean 0.06129
Std Dev 0.615

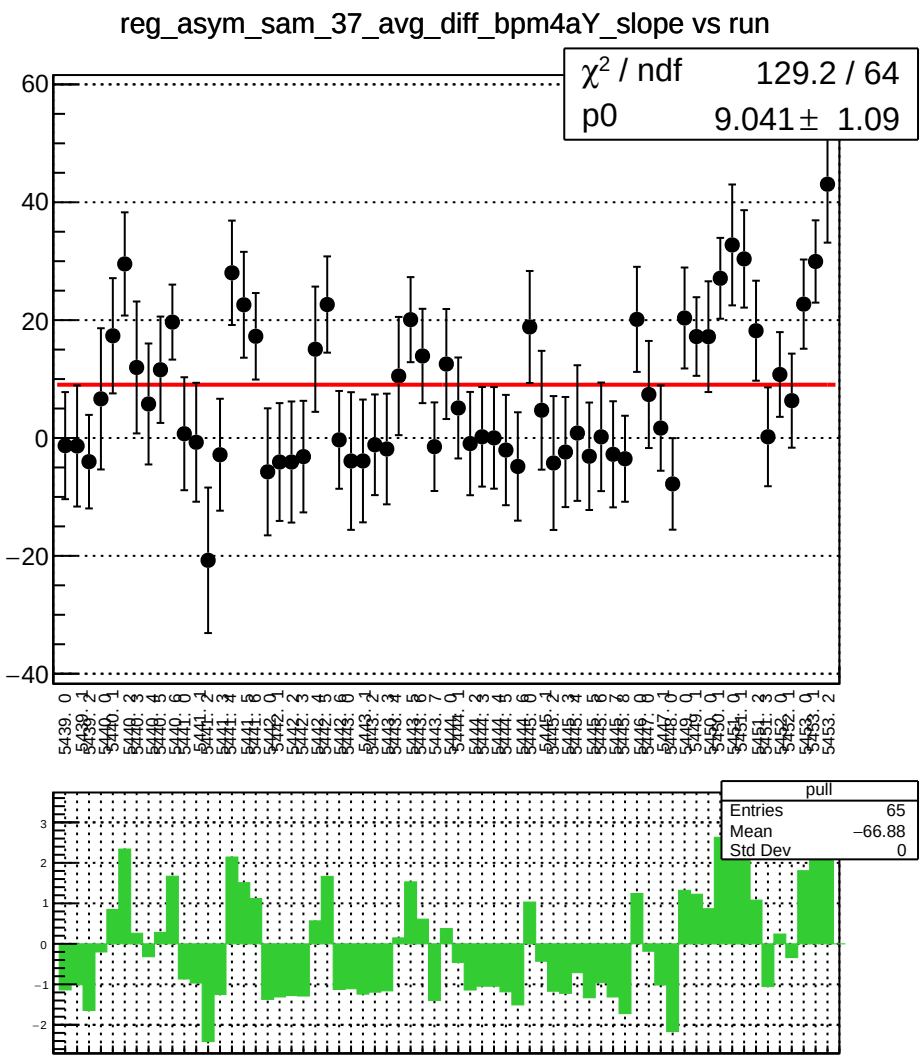

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.16 / 64
p0 −84.11 ± 0.7061
pull
Entries 65
Mean −121.3
Std Dev 0
pull1D
Entries 65
Mean −0.03825
Std Dev 0.8234

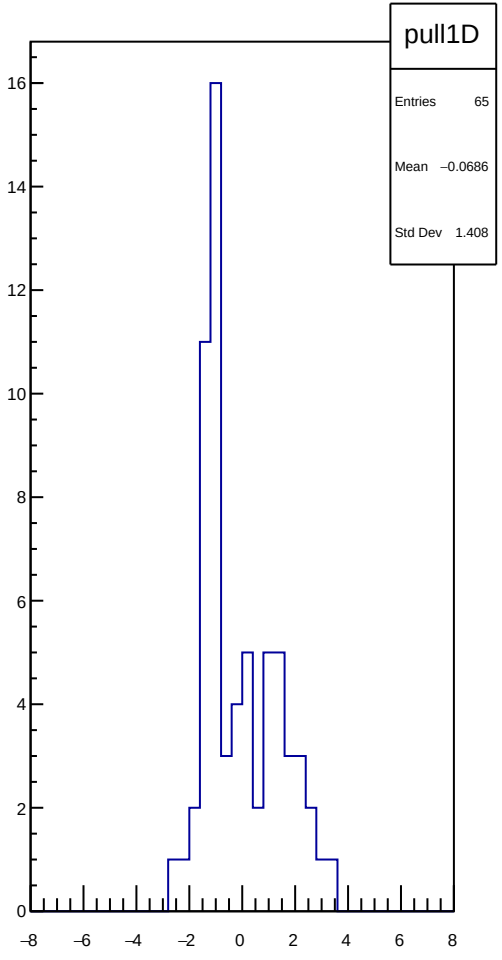

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.38 / 64
p0 −6.056 ± 0.6711
pull
Entries 65
Mean 33.58
Std Dev 0
pull1D
Entries 65
Mean −0.0601
Std Dev 0.5968

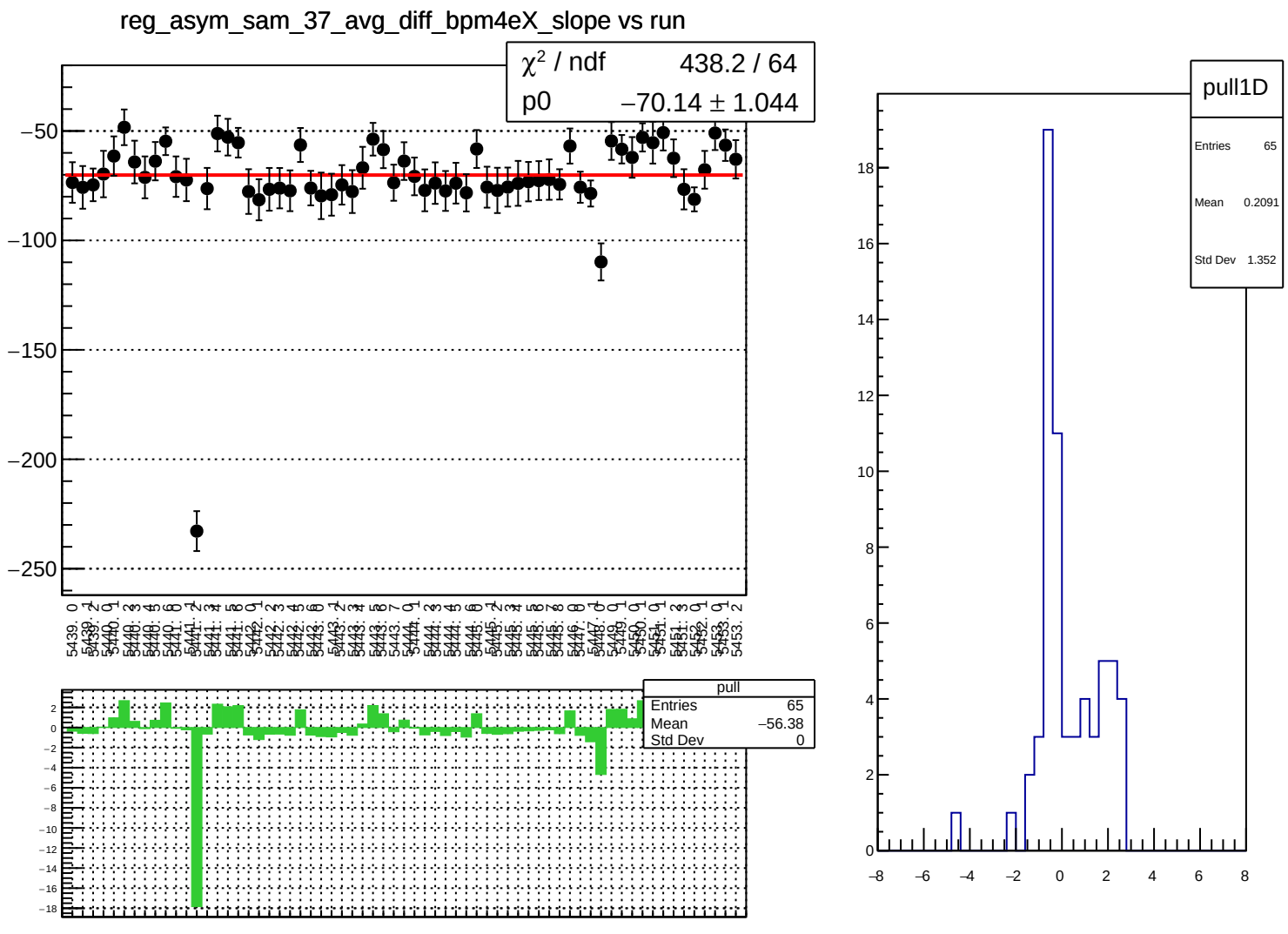

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.35 / 64
p0 11 ± 0.8954
pull
Entries 65
Mean −193.1
Std Dev 0
pull1D
Entries 65
Mean 0.03309
Std Dev 0.8253

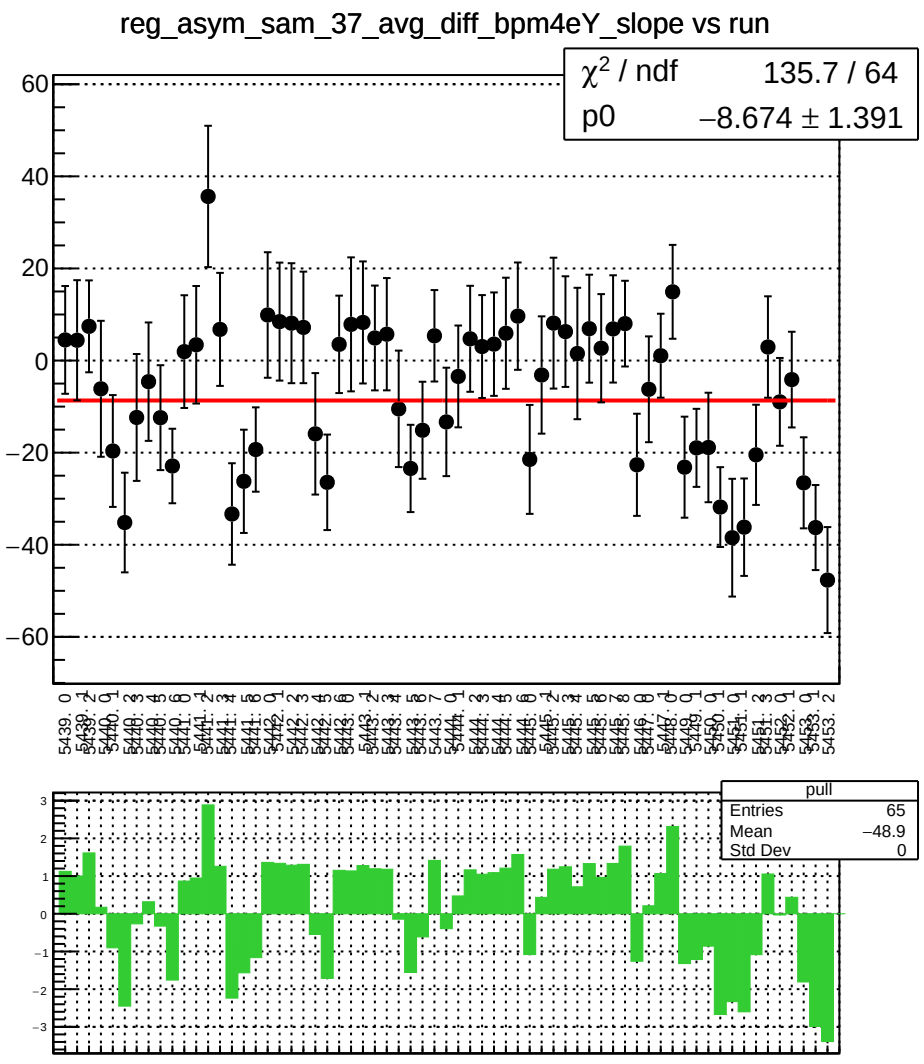

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 12.85 / 64
p0 0.1622 ± 0.03961
pull
Entries 65
Mean 53.41
Std Dev 0
pull1D
Entries 65
Mean 0.03376
Std Dev 0.4434

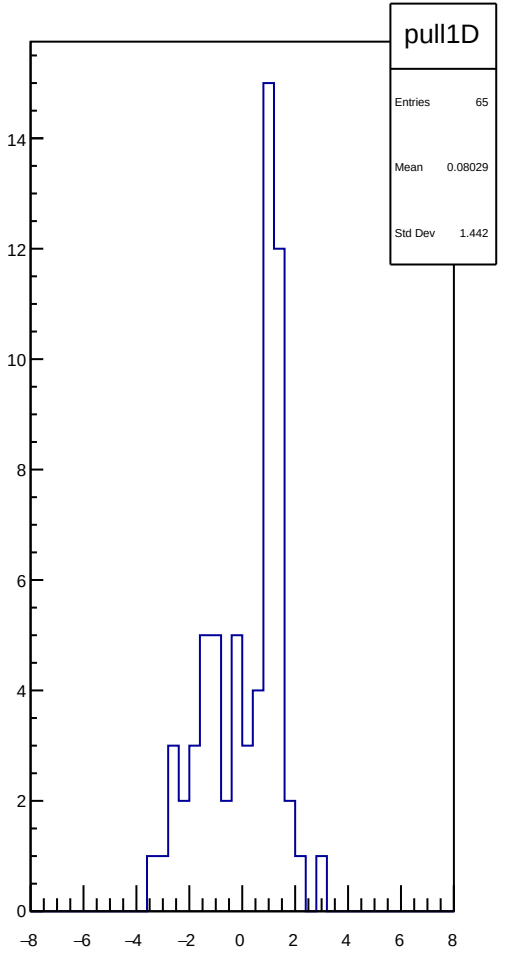

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 518.9 / 64
p0 −12.42 ± 1.334
pull
Entries 65
Mean −87.7
Std Dev 0
pull1D
Entries 65
Mean −0.1926
Std Dev 1.709

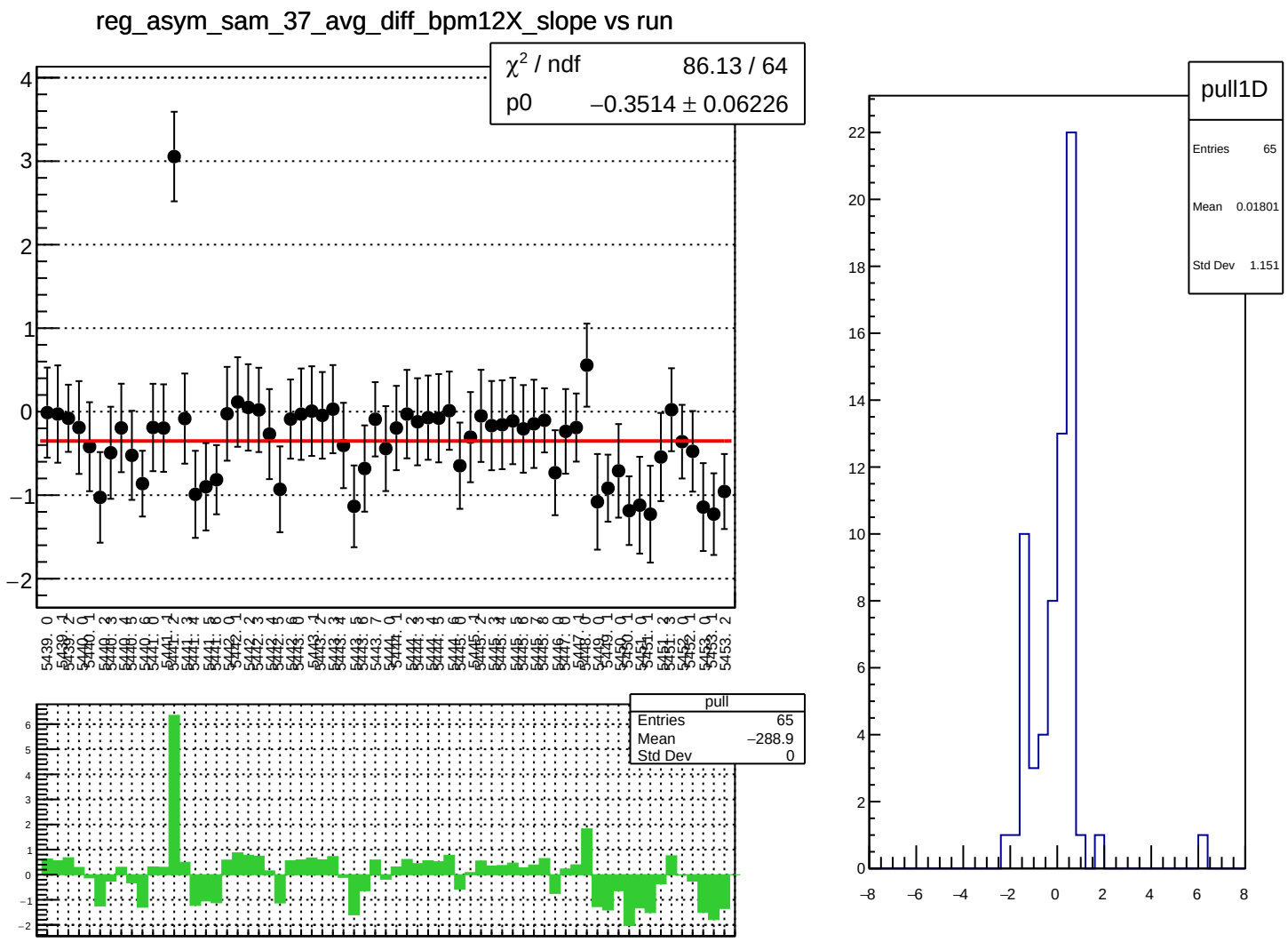

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 129.2 / 64
p0 9.041 ± 1.09
pull
Entries 65
Mean −66.88
Std Dev 0

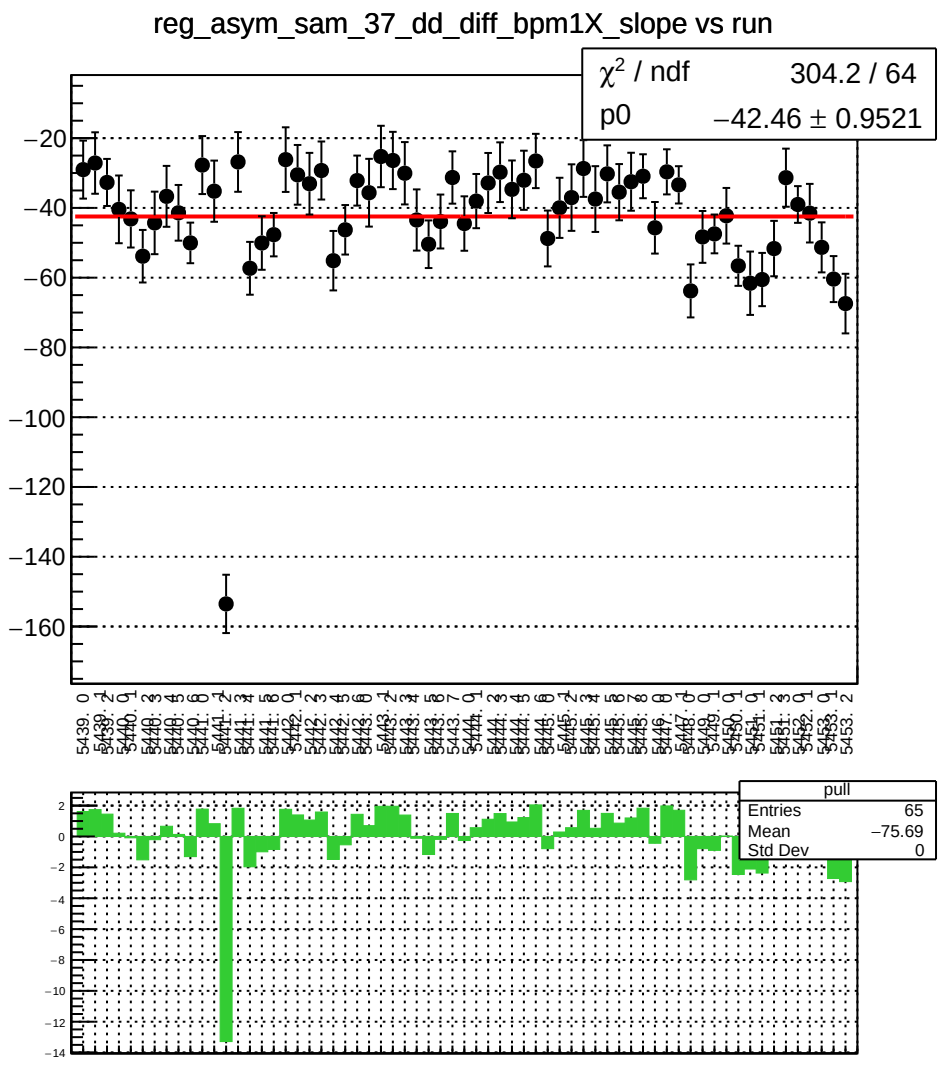

pull1D
Entries 65
Mean −0.0686
Std Dev 1.408

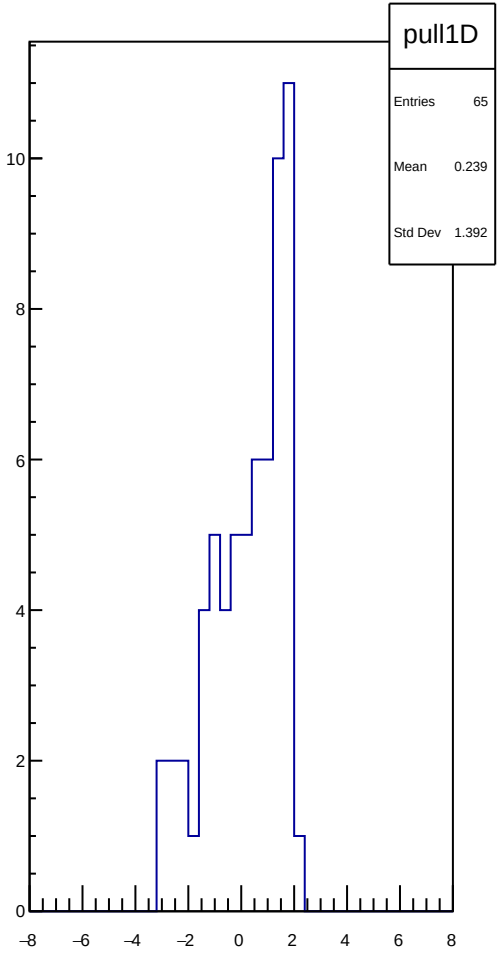

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 438.2 / 64
p0 −70.14 ± 1.044
pull
Entries 65
Mean −56.38
Std Dev 0
pull1D
Entries 65
Mean 0.2091
Std Dev 1.352

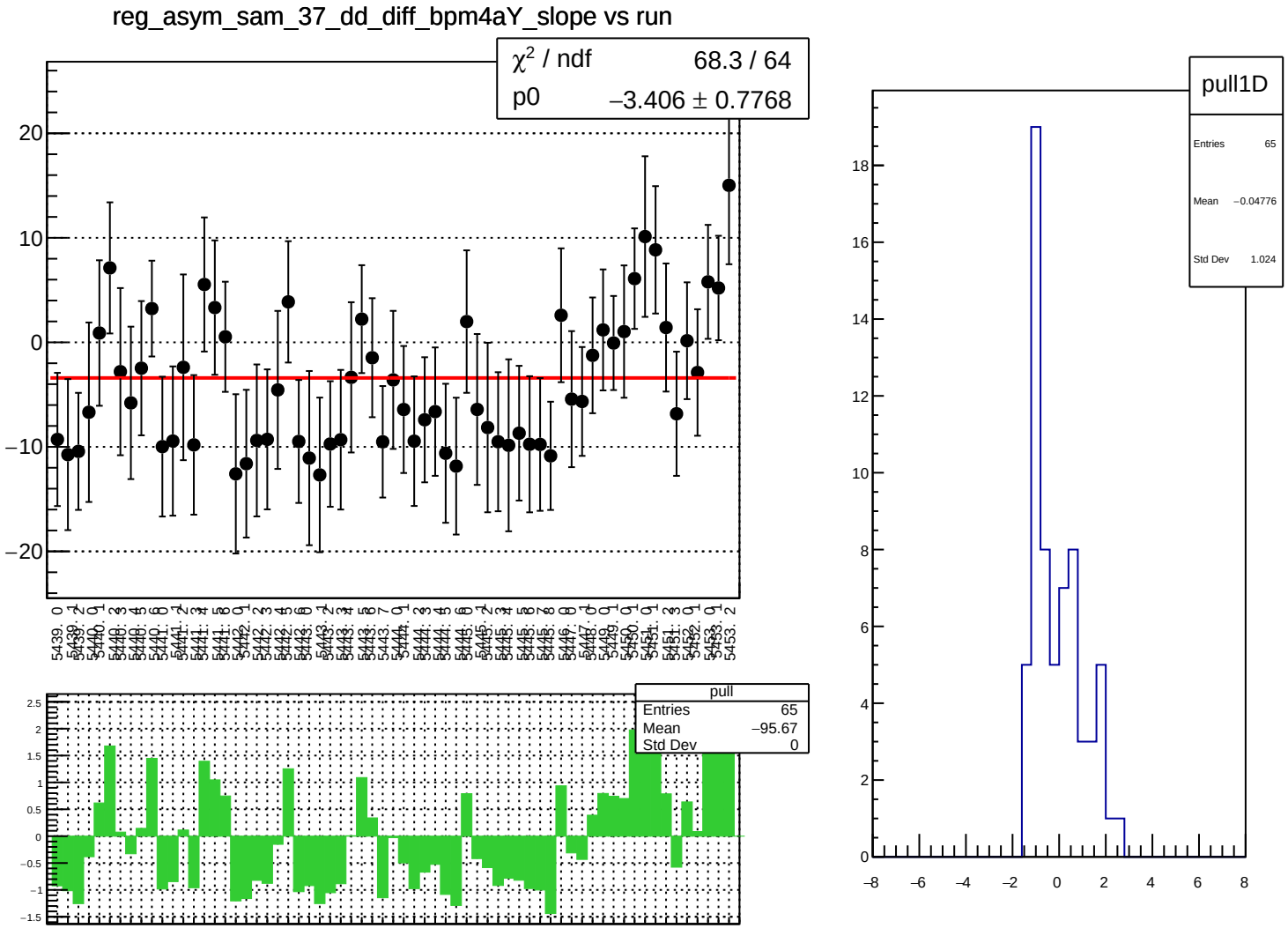

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 135.7 / 64
p0 −8.674 ± 1.391
pull
Entries 65
Mean −48.9
Std Dev 0

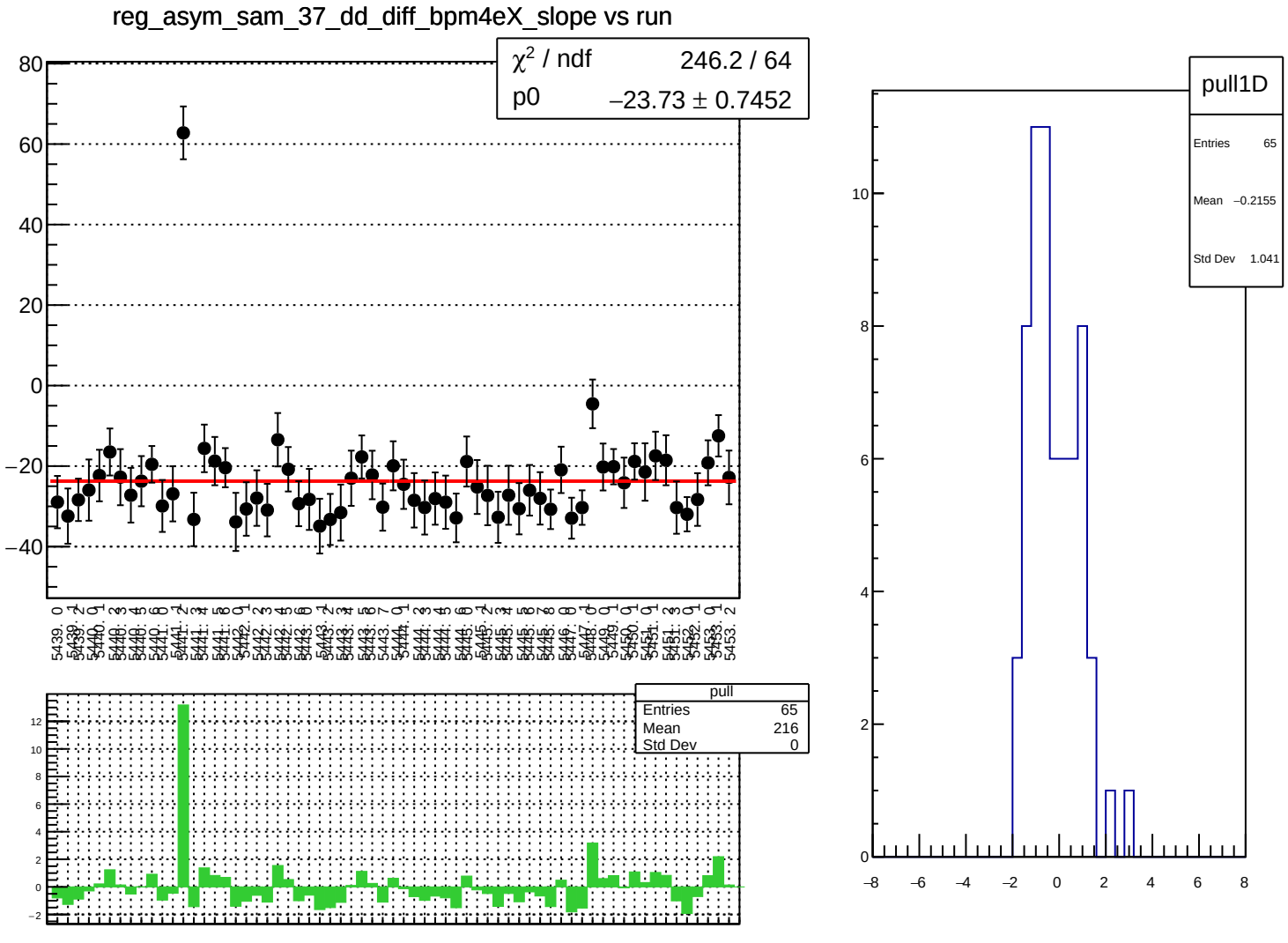

pull1D
Entries 65
Mean 0.08029
Std Dev 1.442

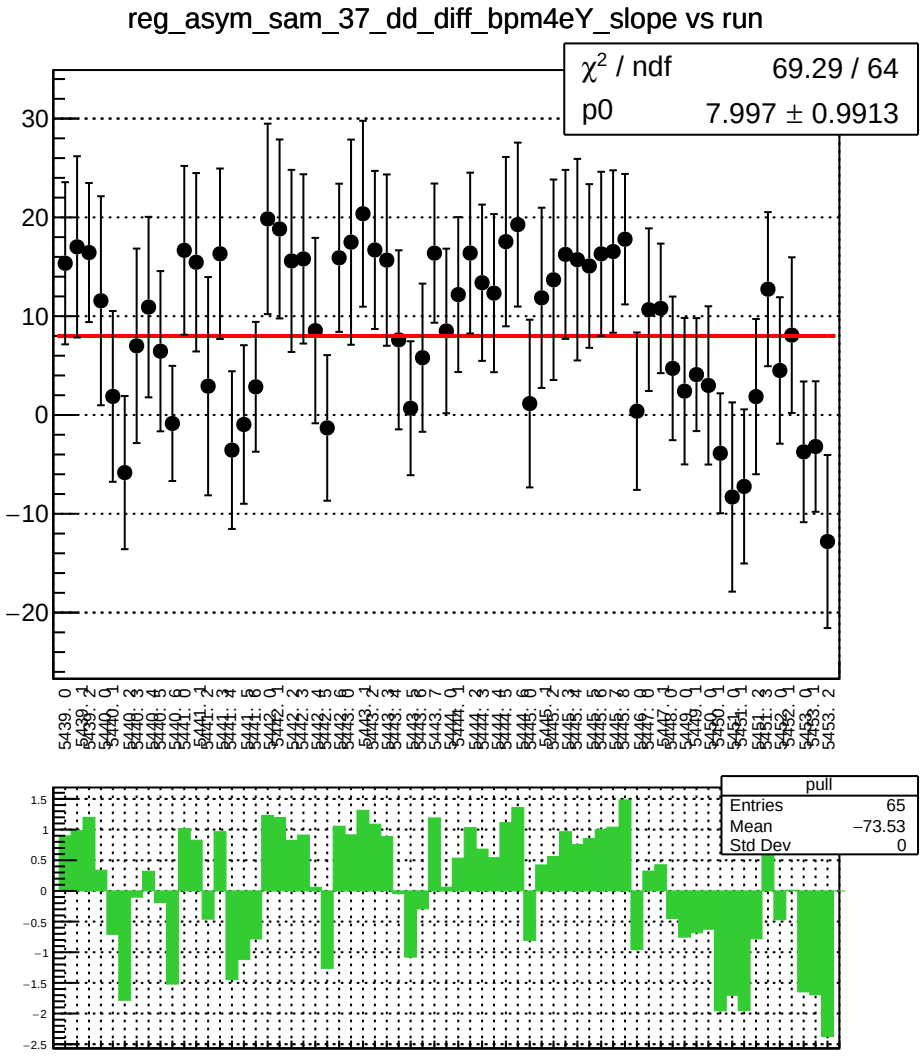

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 86.13 / 64
p0 −0.3514 ± 0.06226
pull
Entries 65
Mean −288.9
Std Dev 0
pull1D
Entries 65
Mean 0.01801
Std Dev 1.151

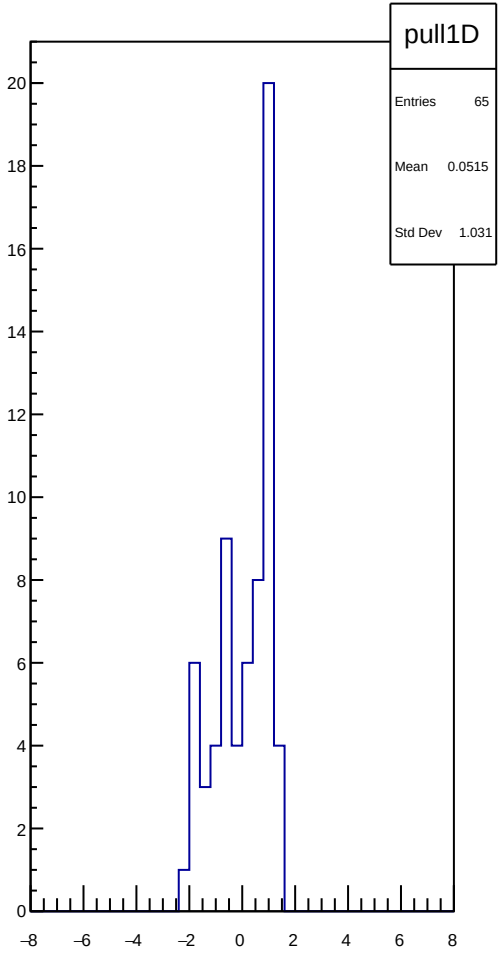

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 304.2 / 64
p0 −42.46 ± 0.9521
pull
Entries 65
Mean −75.69
Std Dev 0

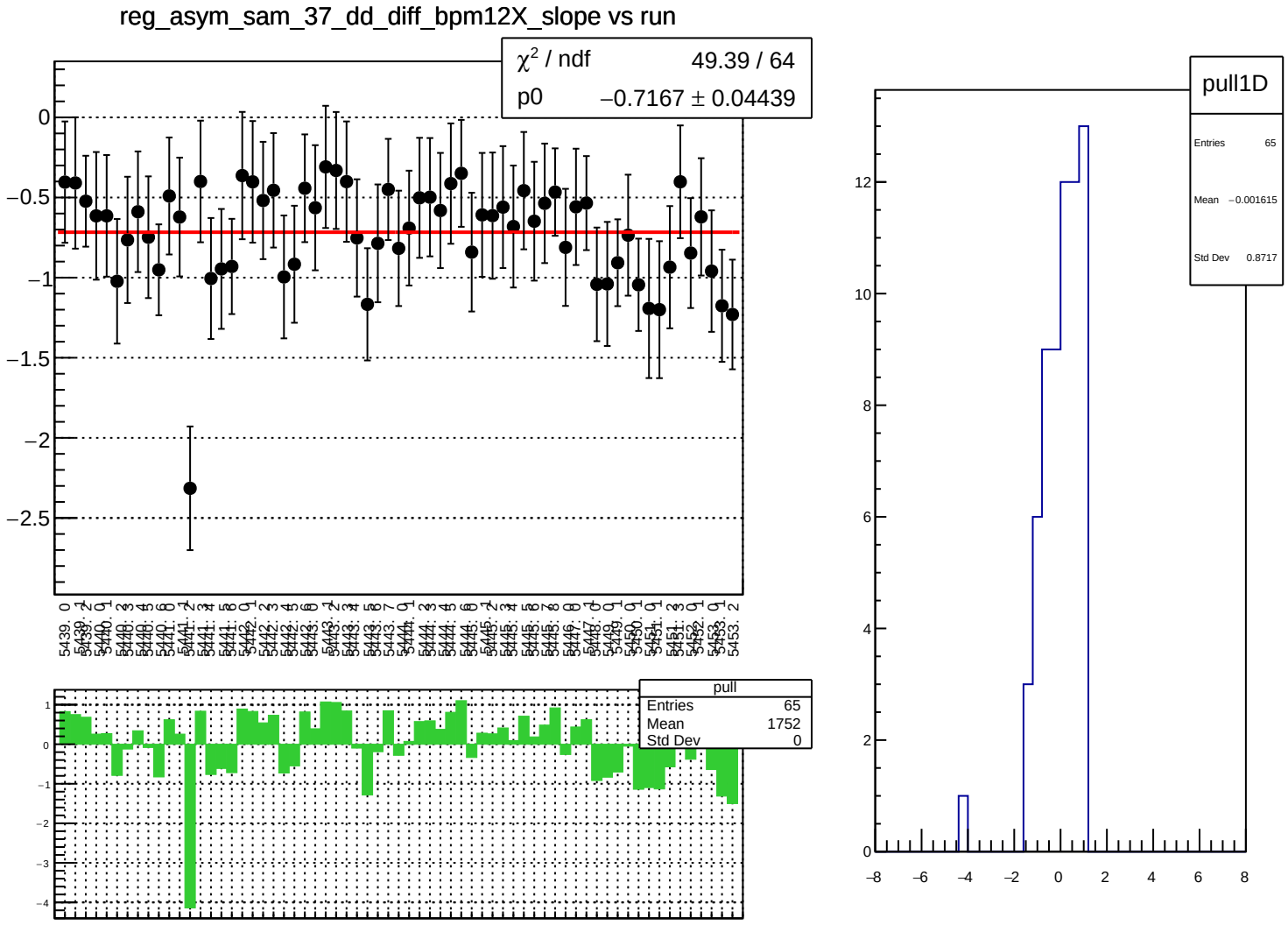

pull1D
Entries 65
Mean 0.239
Std Dev 1.392

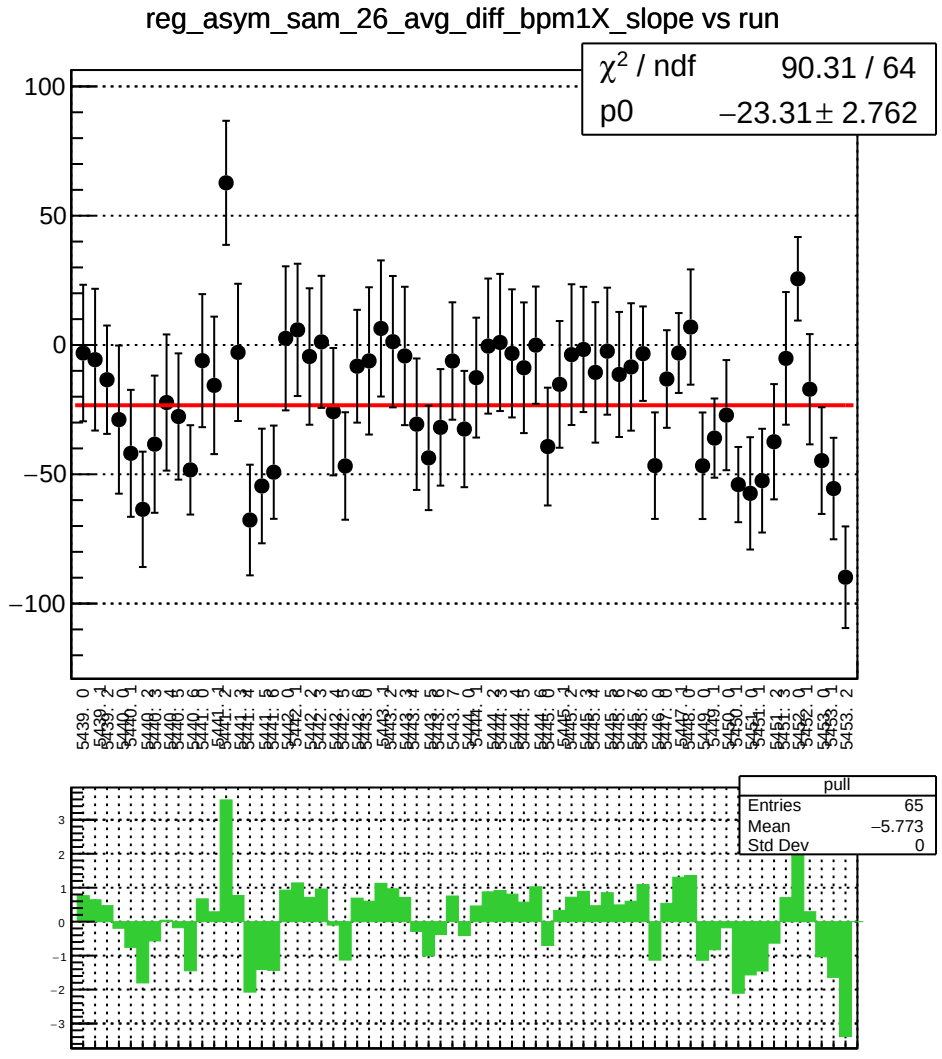

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.3 / 64
p0 −3.406 ± 0.7768
pull
Entries 65
Mean −95.67
Std Dev 0
pull1D
Entries 65
Mean −0.04776
Std Dev 1.024

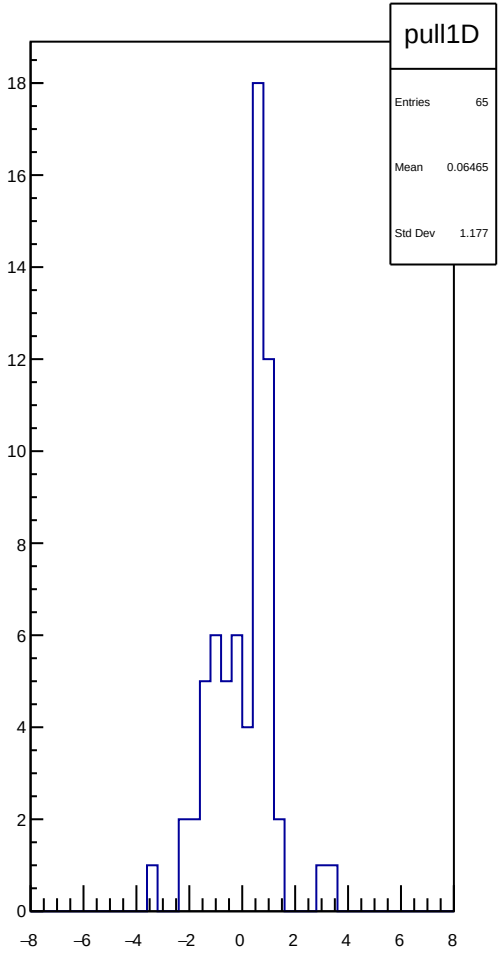

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 246.2 / 64
p0 −23.73 ± 0.7452
pull
Entries 65
Mean 216
Std Dev 0
pull1D
Entries 65
Mean −0.2155
Std Dev 1.041

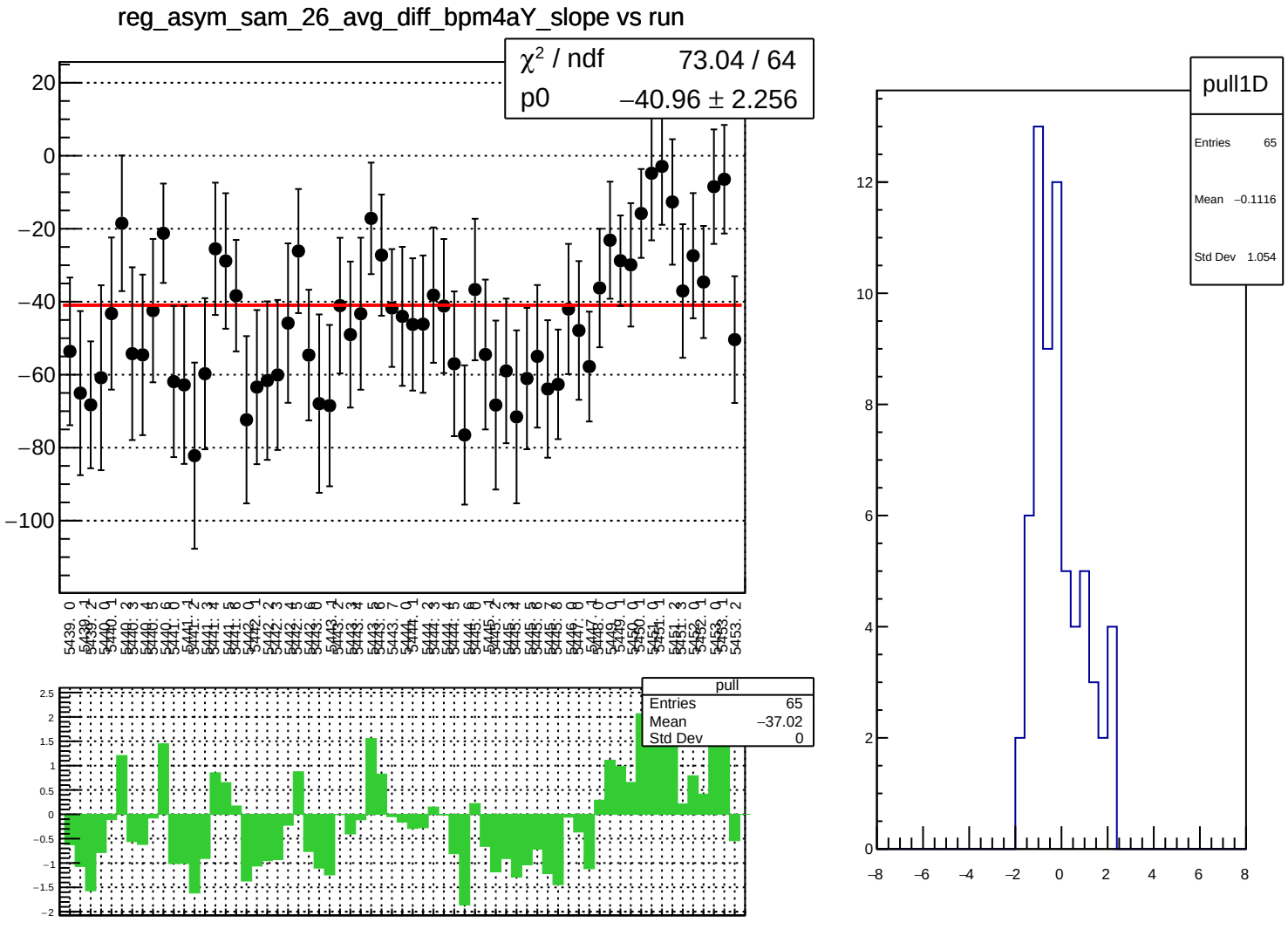

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.29 / 64
p0 7.997 ± 0.9913
pull
Entries 65
Mean −73.53
Std Dev 0

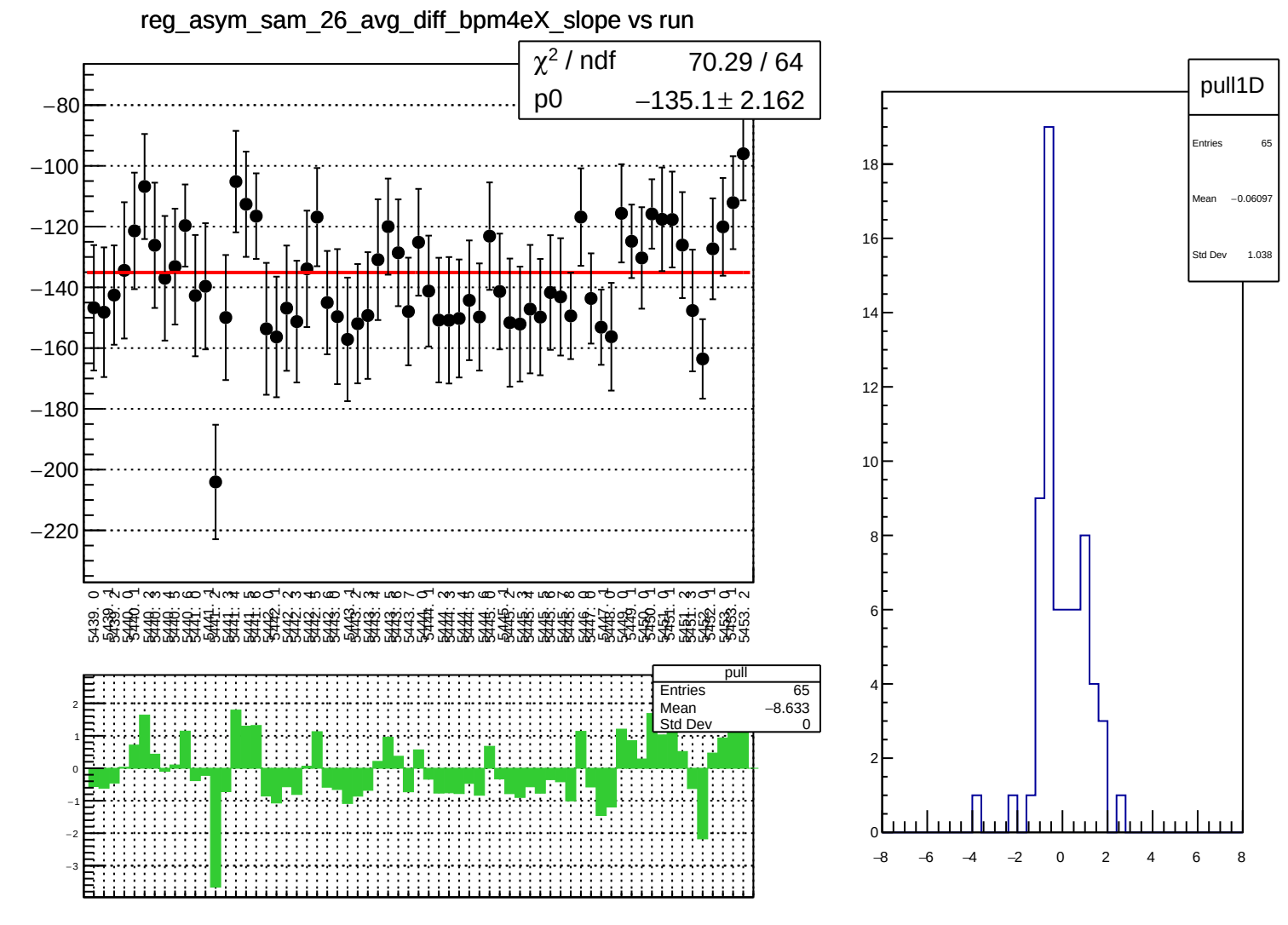

pull1D
Entries 65
Mean 0.0515
Std Dev 1.031

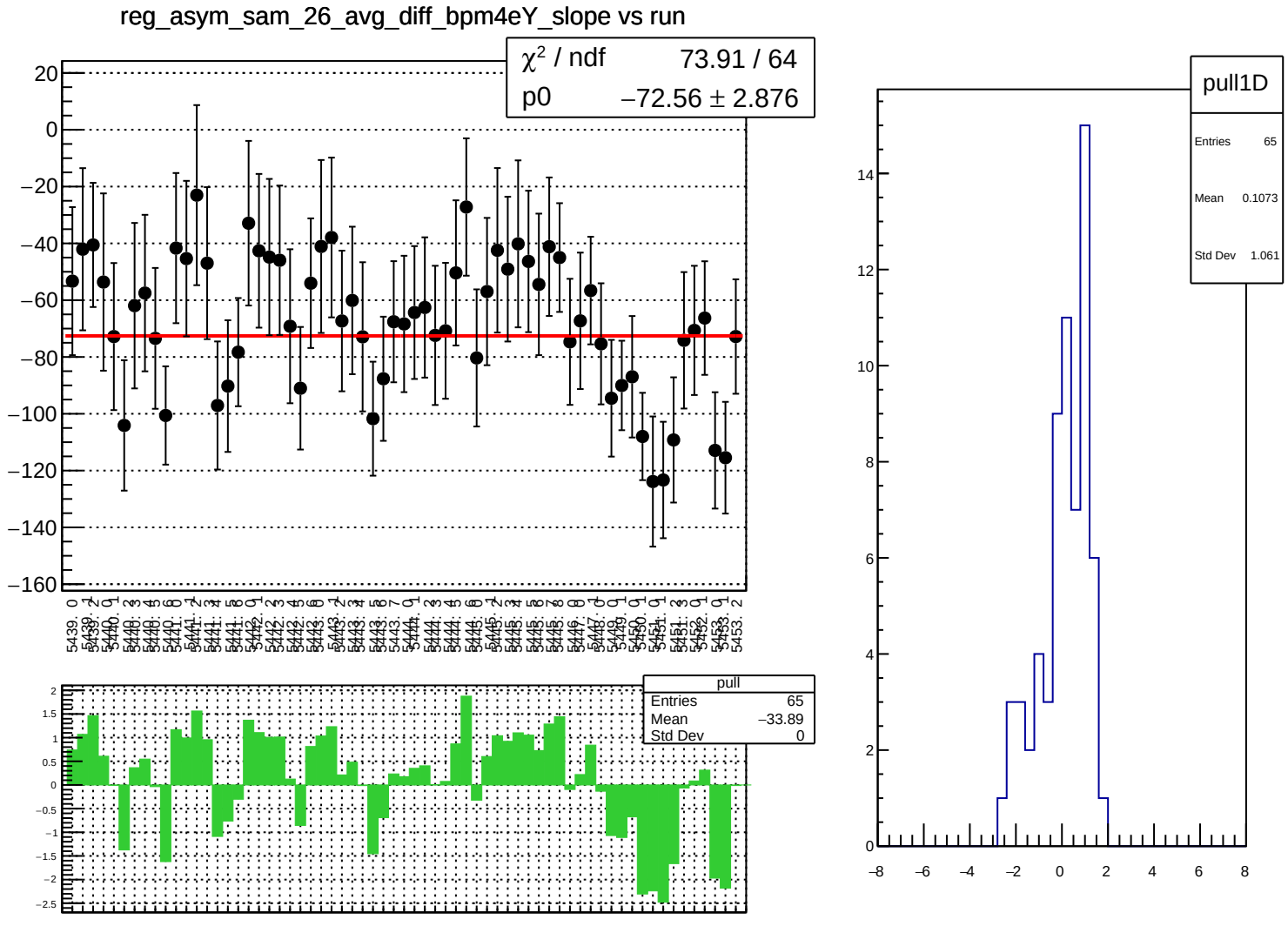

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 49.39 / 64
p0 −0.7167 ± 0.04439
pull
Entries 65
Mean 1752
Std Dev 0
pull1D
Entries 65
Mean −0.001615
Std Dev 0.8717

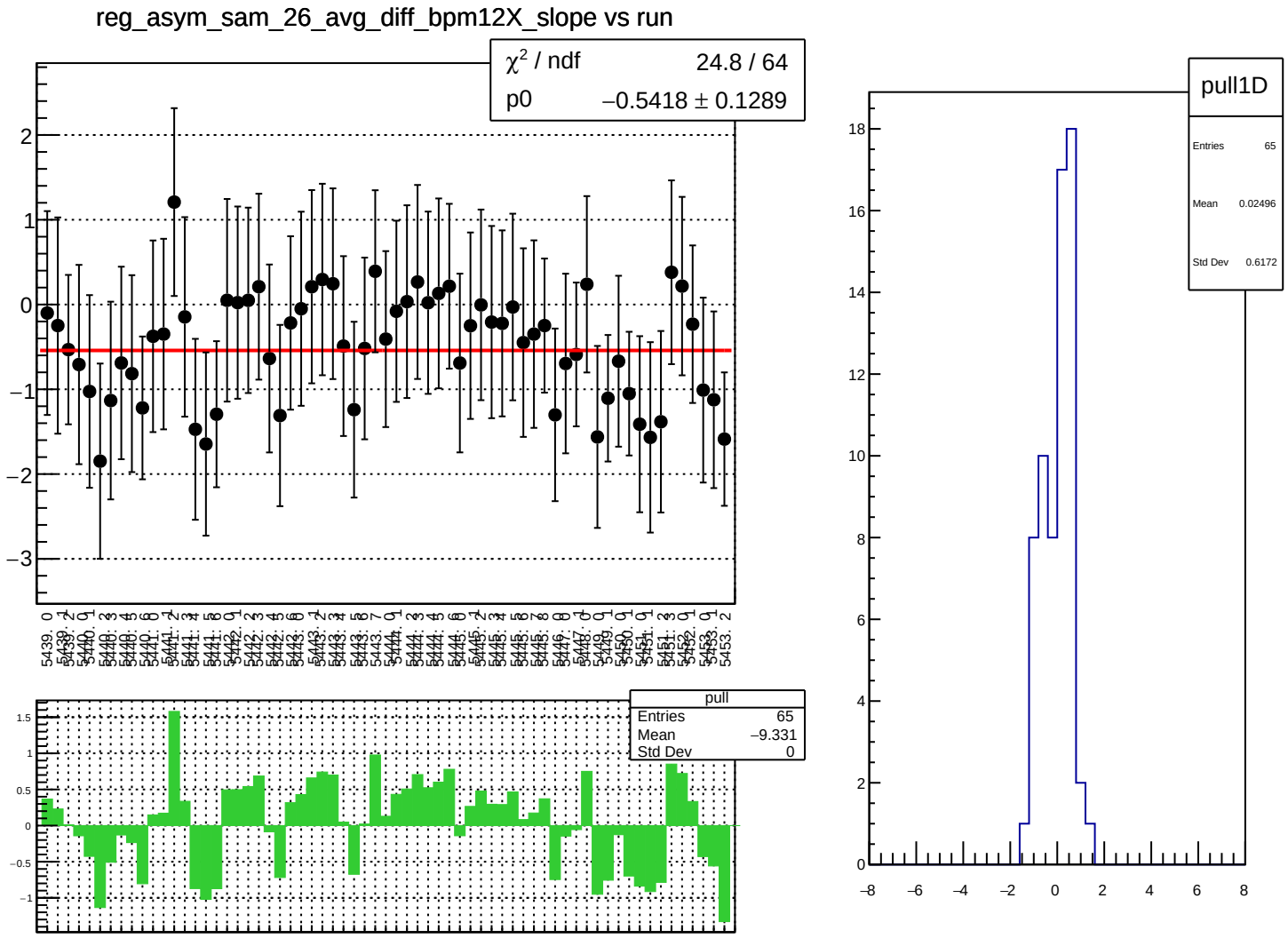

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 90.31 / 64
p0 −23.31± 2.762
pull
Entries 65
Mean −5.773
Std Dev 0

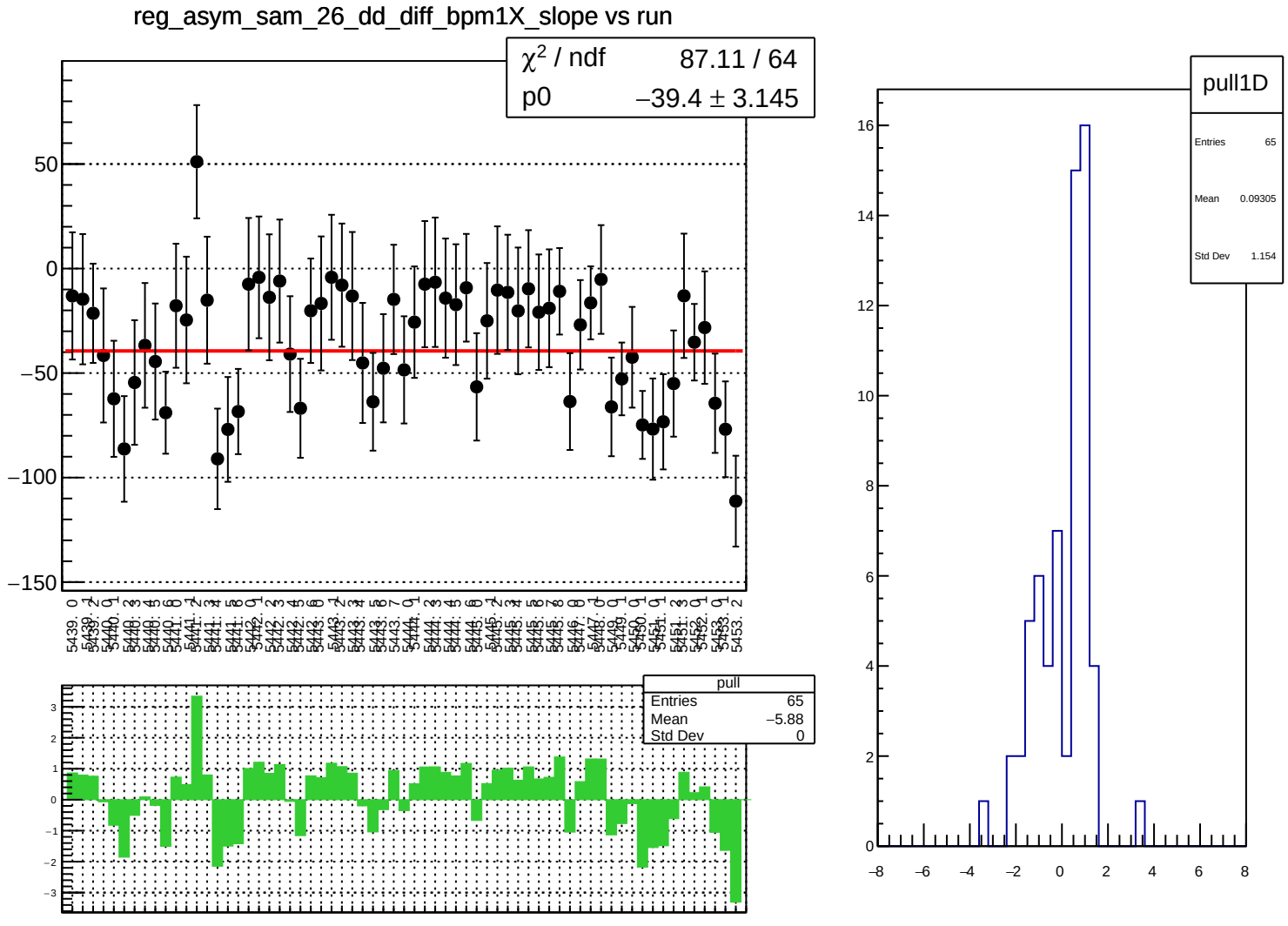

pull1D
Entries 65
Mean 0.06465
Std Dev 1.177

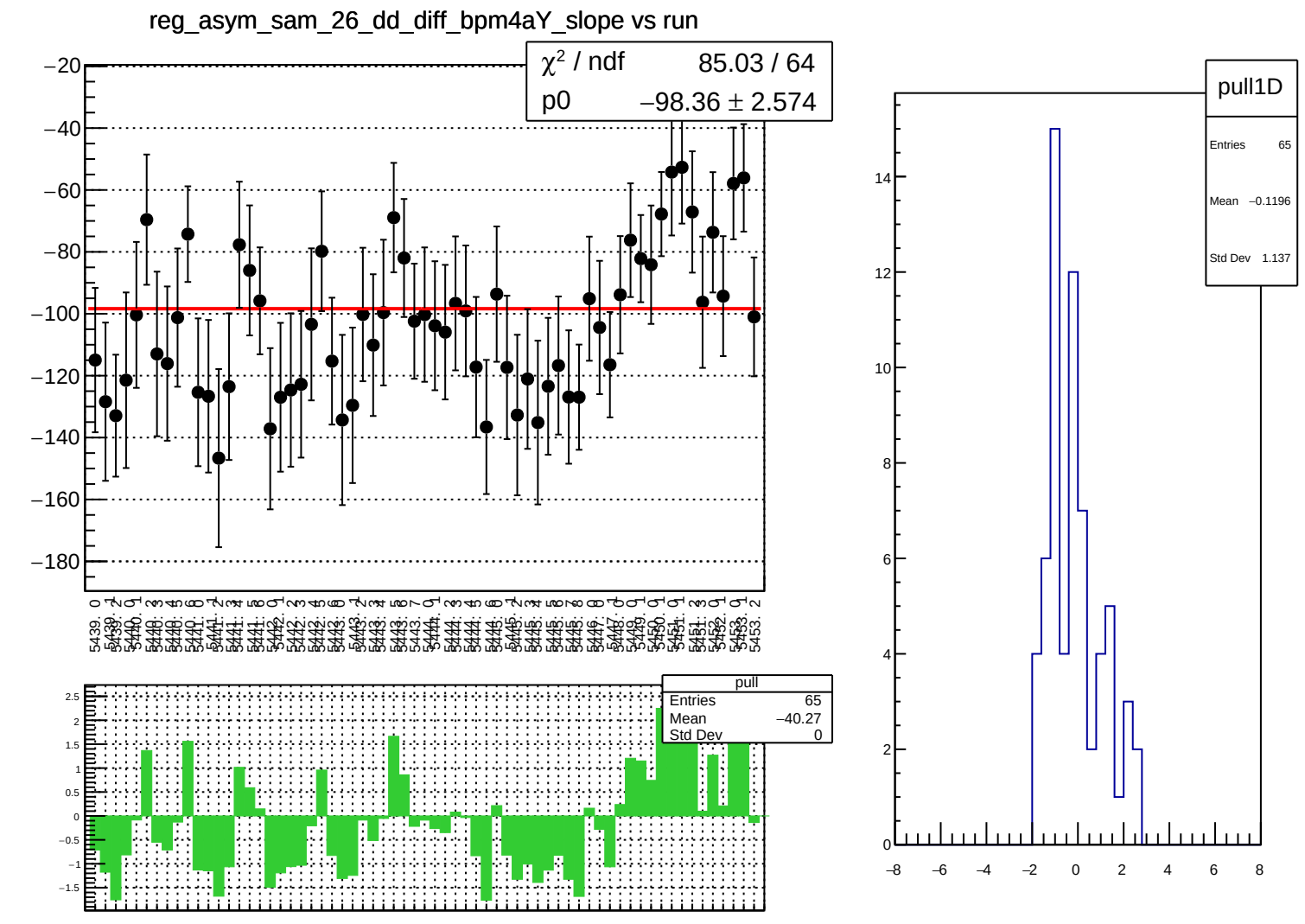

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.04 / 64
p0 −40.96 ± 2.256
pull
Entries 65
Mean −37.02
Std Dev 0
pull1D
Entries 65
Mean −0.1116
Std Dev 1.054

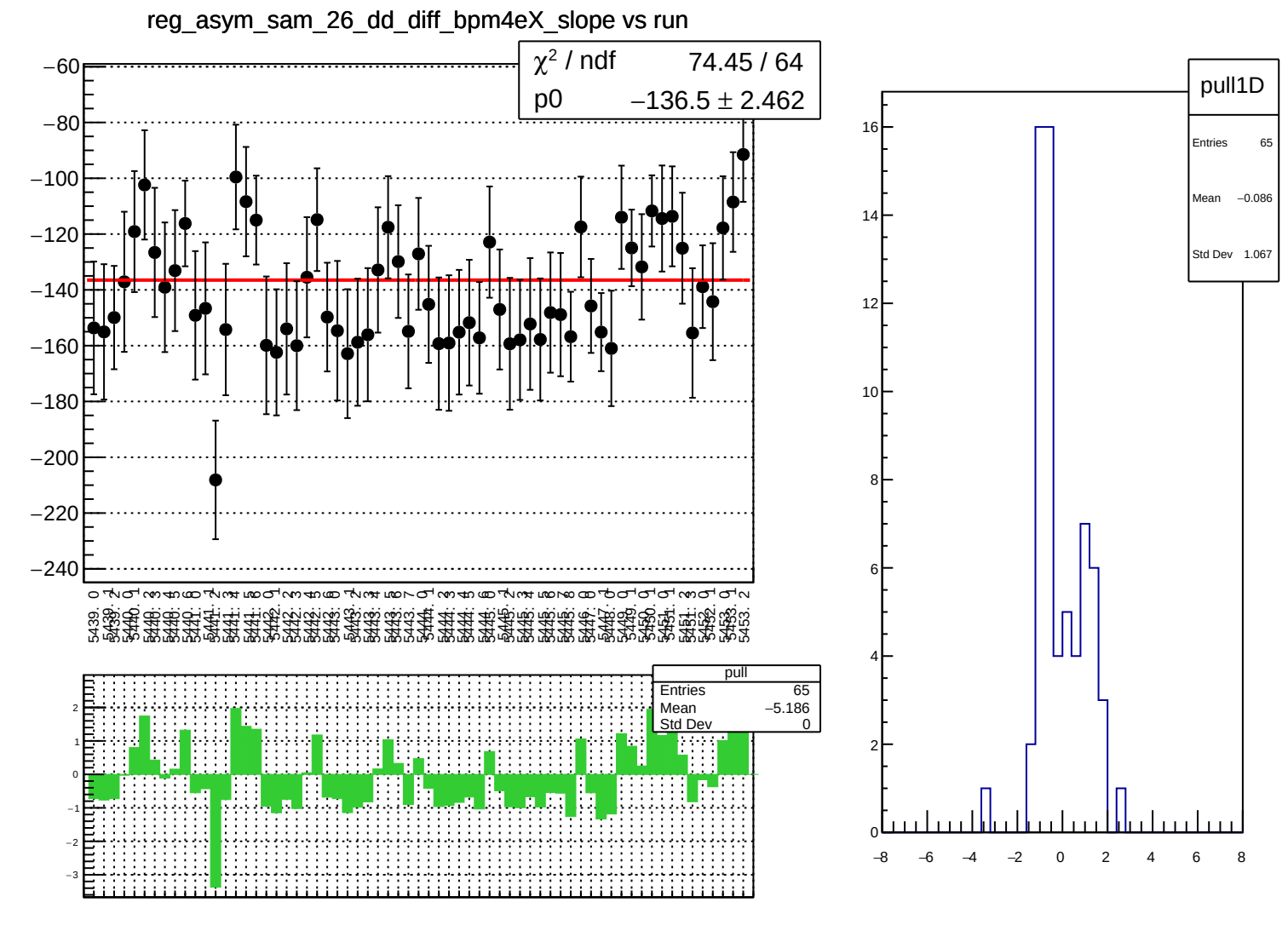

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.29 / 64
p0 −135.1± 2.162
pull
Entries 65
Mean −8.633
Std Dev 0
pull1D
Entries 65
Mean −0.06097
Std Dev 1.038

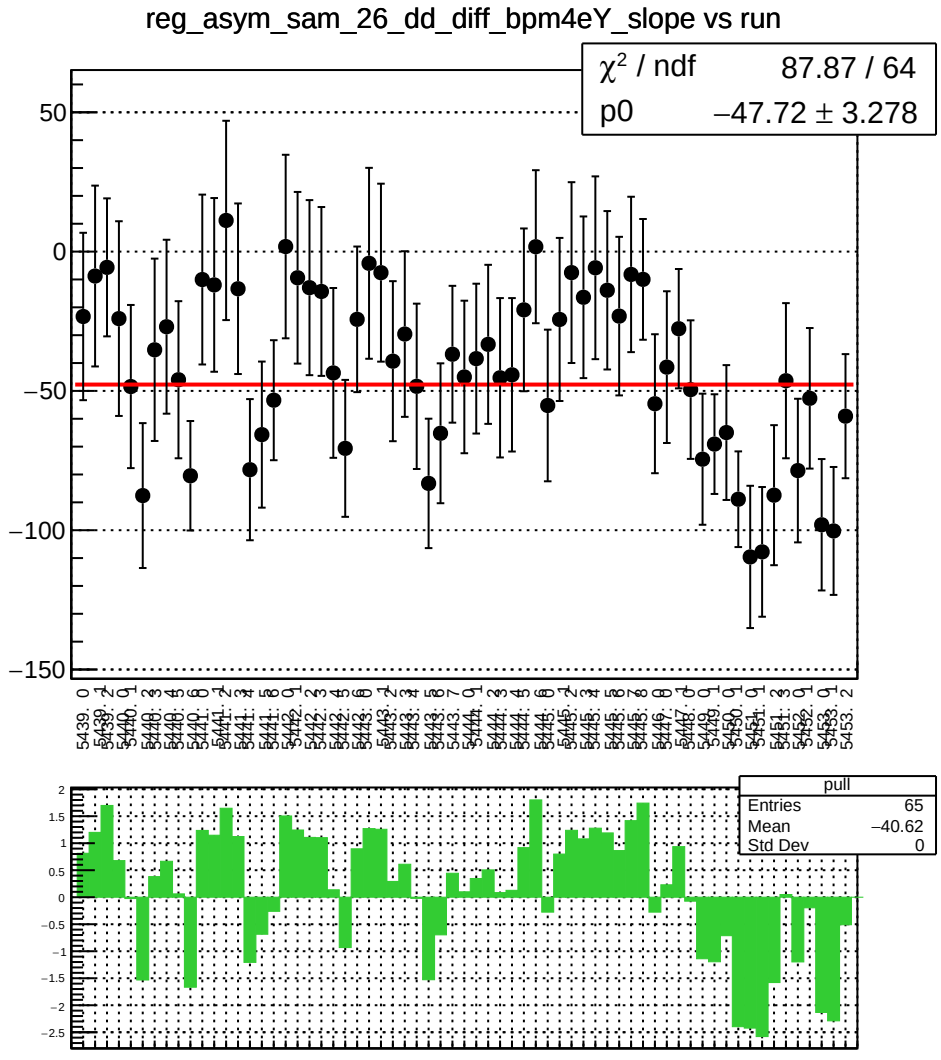

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.91 / 64
p0 −72.56 ± 2.876
pull
Entries 65
Mean −33.89
Std Dev 0
pull1D
Entries 65
Mean 0.1073
Std Dev 1.061

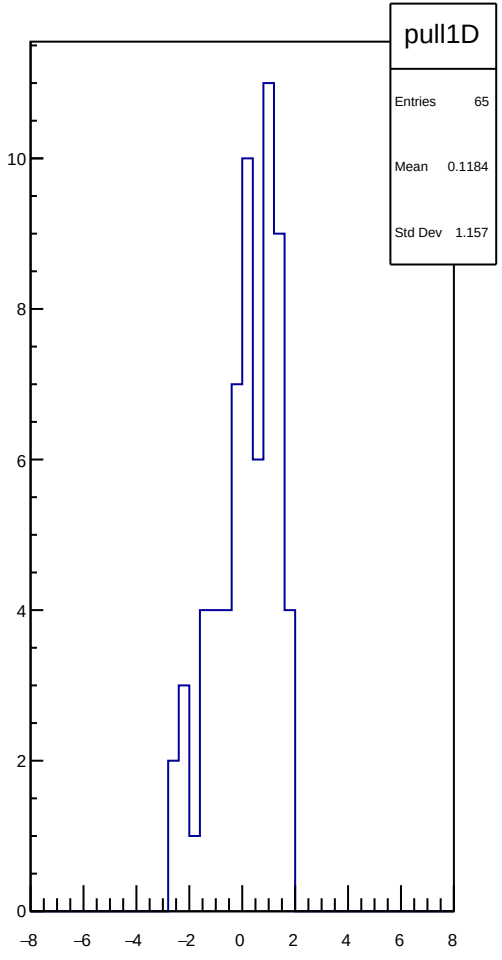

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 24.8 / 64
p0 −0.5418 ± 0.1289
pull
Entries 65
Mean −9.331
Std Dev 0
pull1D
Entries 65
Mean 0.02496
Std Dev 0.6172

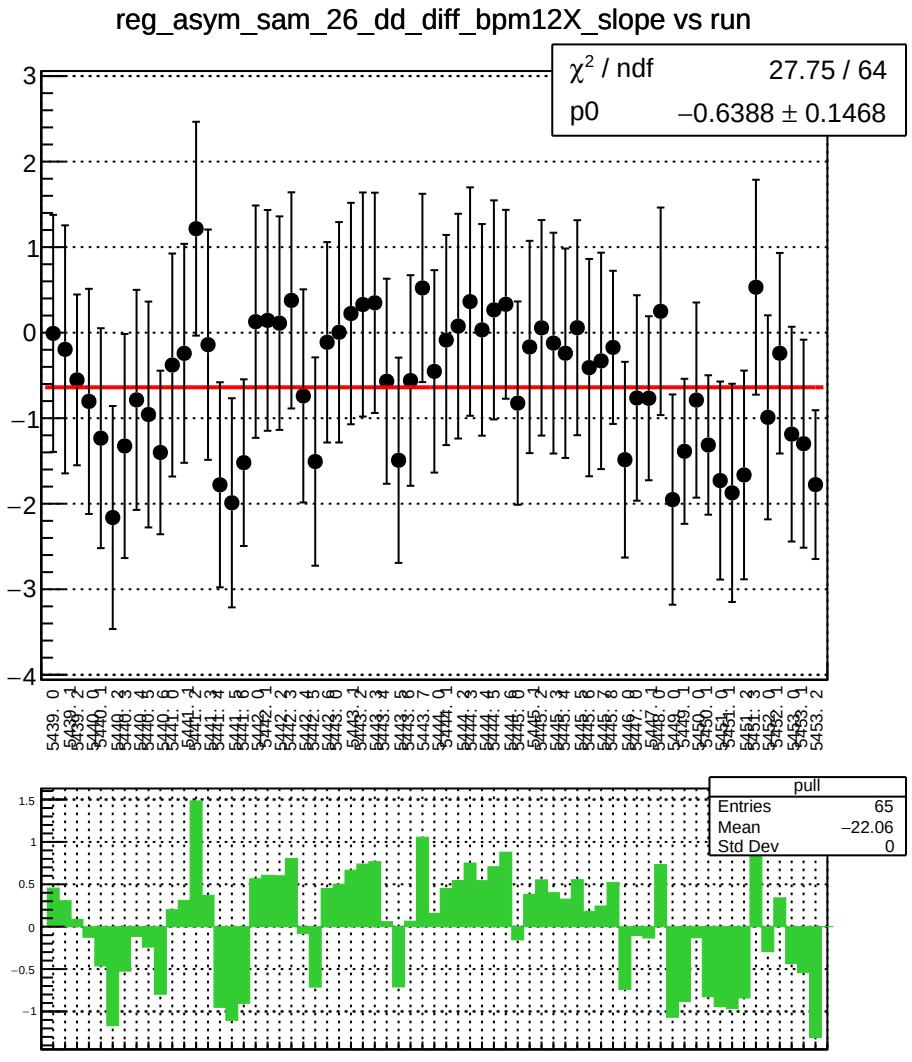

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 87.11 / 64
p0 −39.4 ± 3.145
pull
Entries 65
Mean −5.88
Std Dev 0
pull1D
Entries 65
Mean 0.09305
Std Dev 1.154

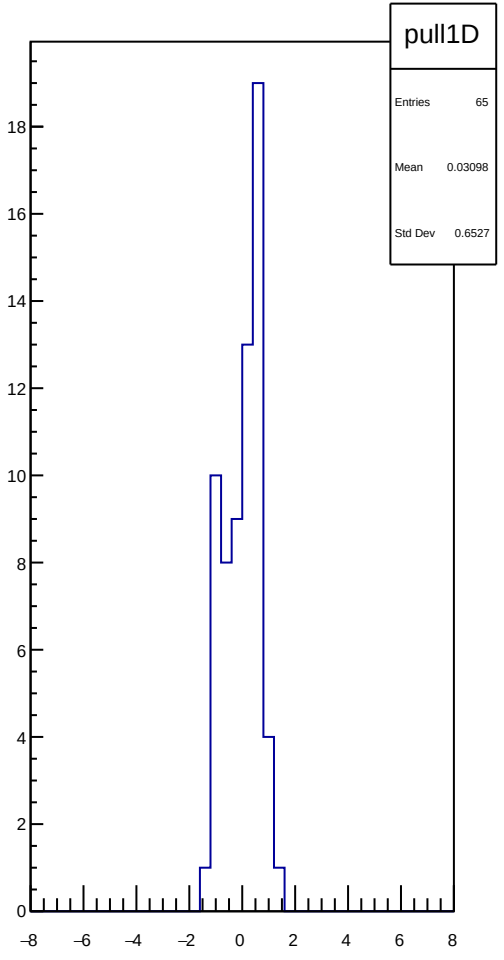

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.03 / 64
p0 −98.36 ± 2.574
pull
Entries 65
Mean −40.27
Std Dev 0
pull1D
Entries 65
Mean −0.1196
Std Dev 1.137

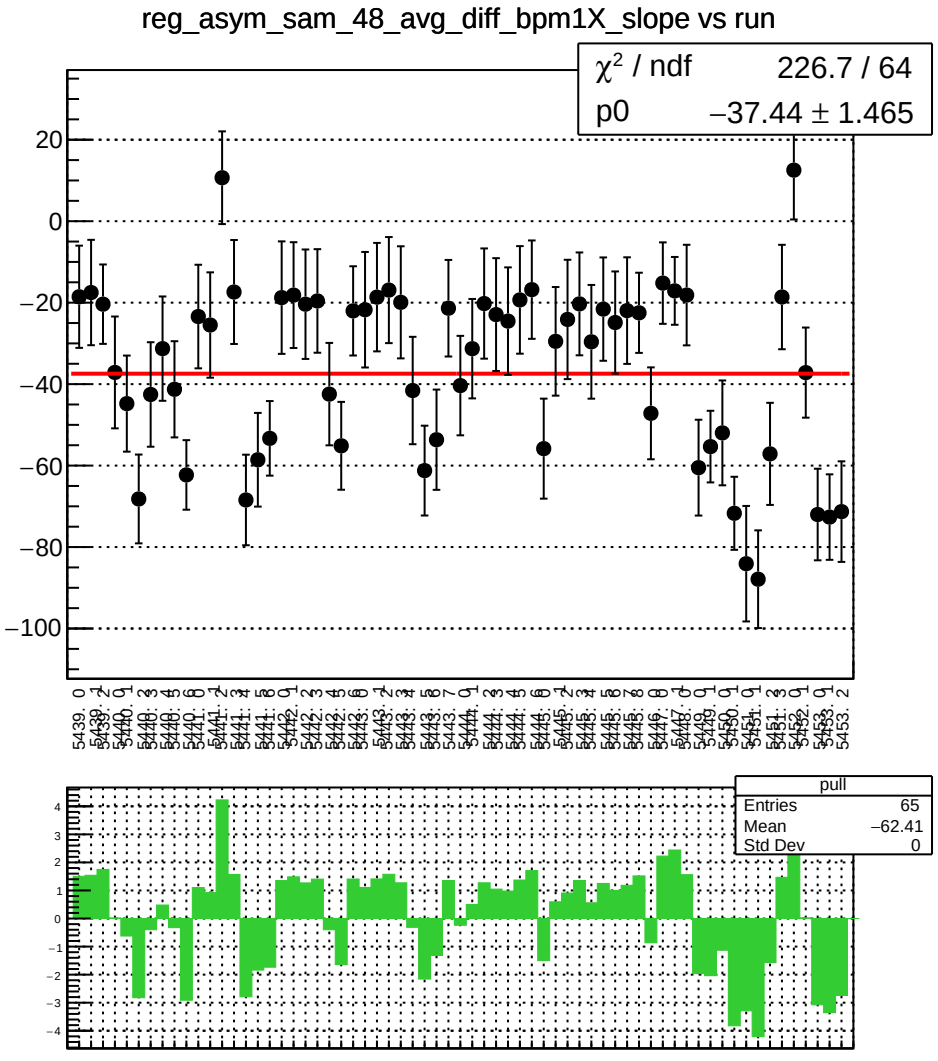

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.45 / 64
p0 −136.5 ± 2.462
pull
Entries 65
Mean −5.186
Std Dev 0
pull1D
Entries 65
Mean −0.086
Std Dev 1.067

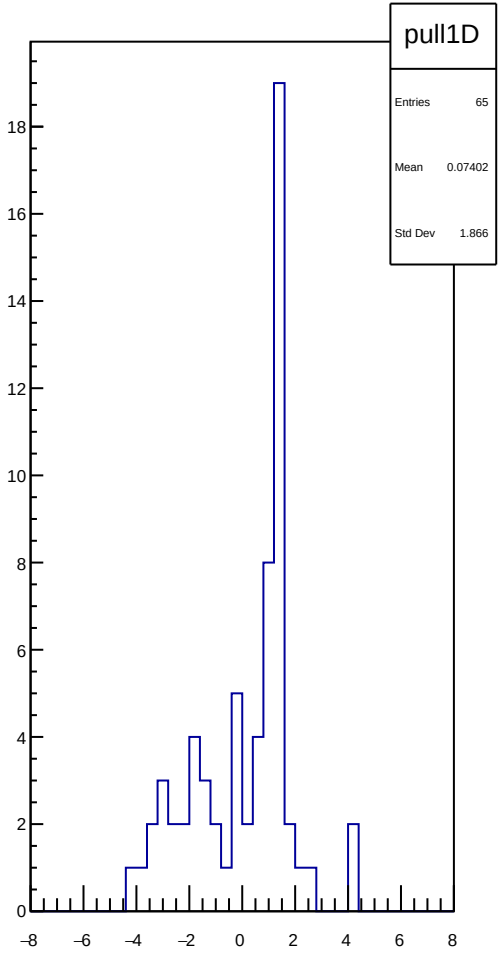

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.87 / 64
p0 −47.72 ± 3.278
pull
Entries 65
Mean −40.62
Std Dev 0

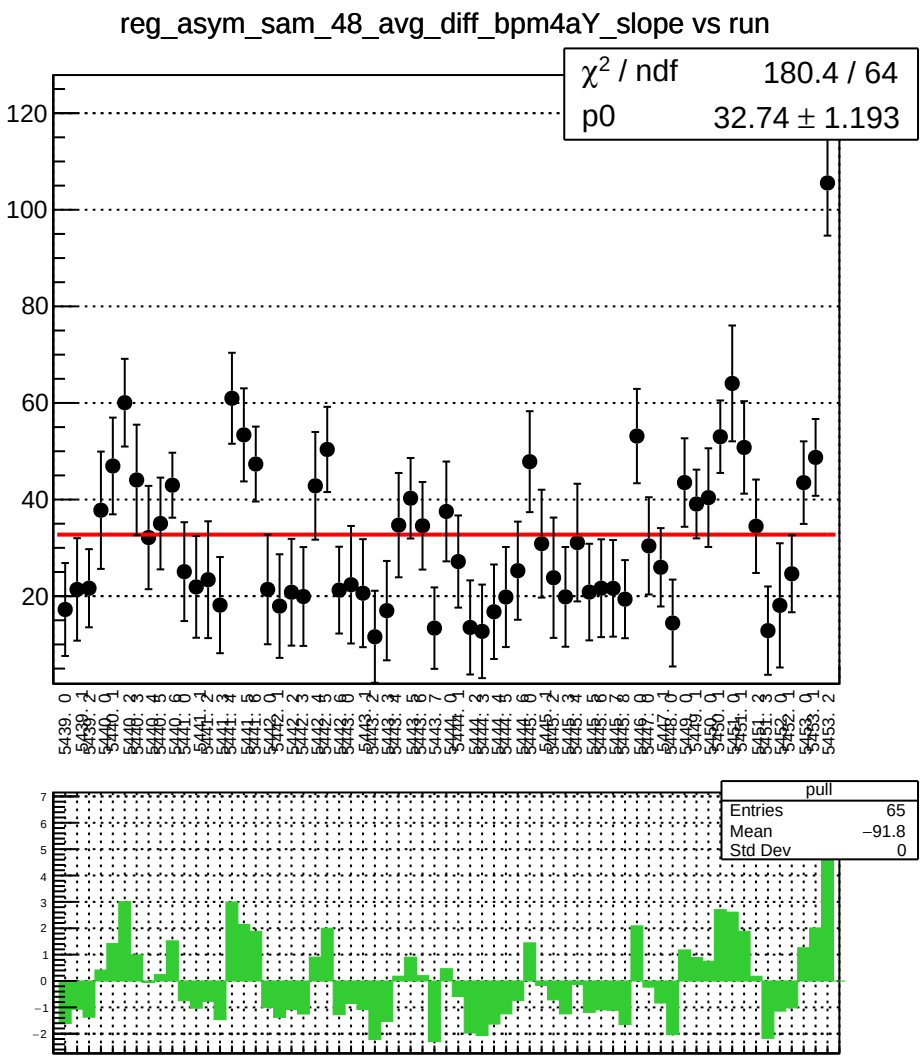

pull1D
Entries 65
Mean 0.1184
Std Dev 1.157

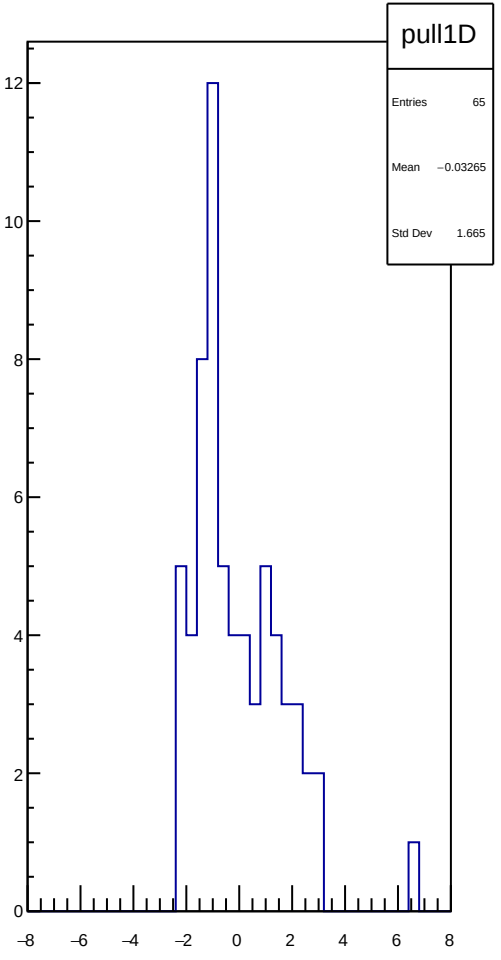

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 27.75 / 64
p0 −0.6388 ± 0.1468
pull
Entries 65
Mean −22.06
Std Dev 0

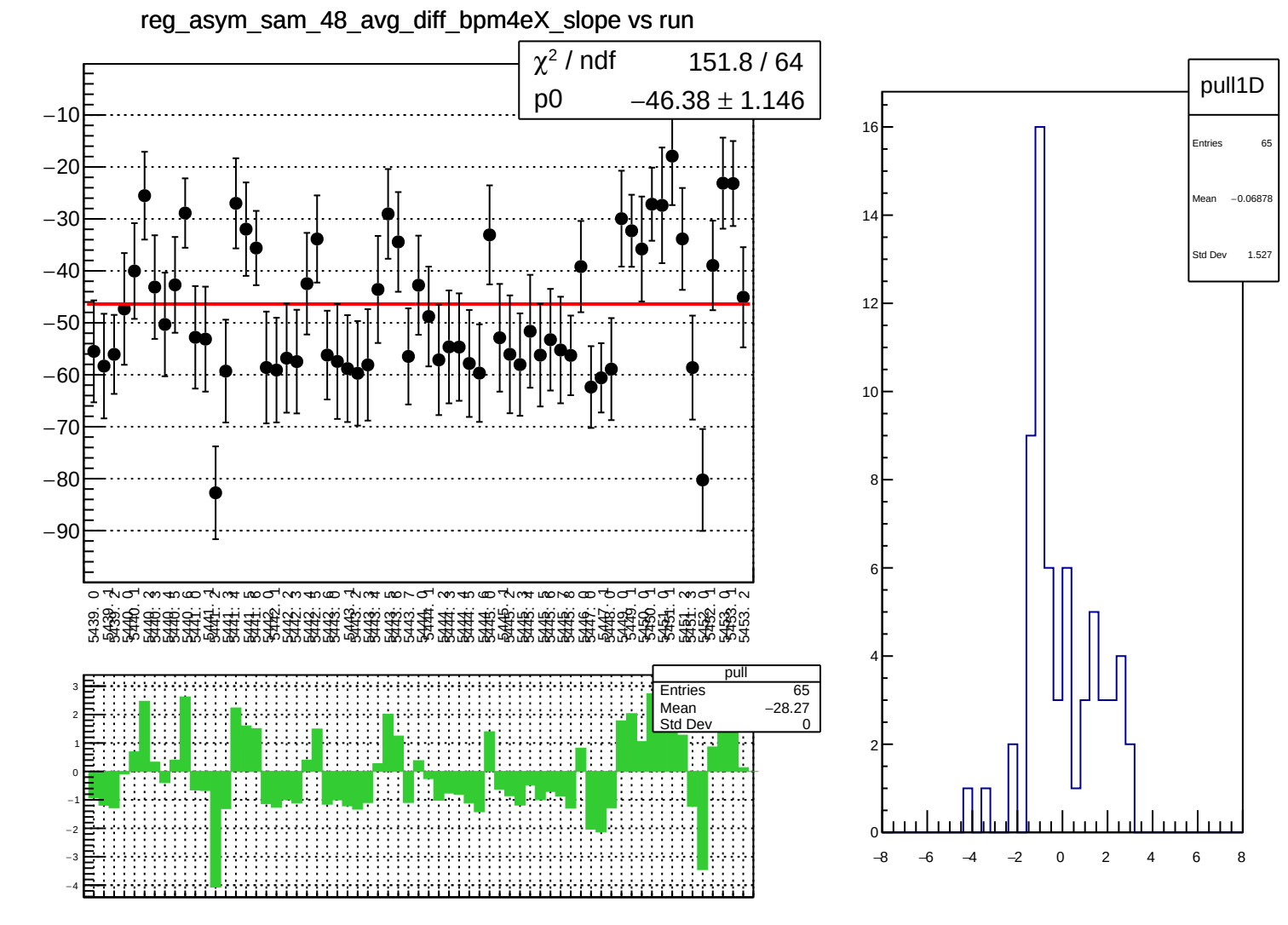

pull1D
Entries 65
Mean 0.03098
Std Dev 0.6527

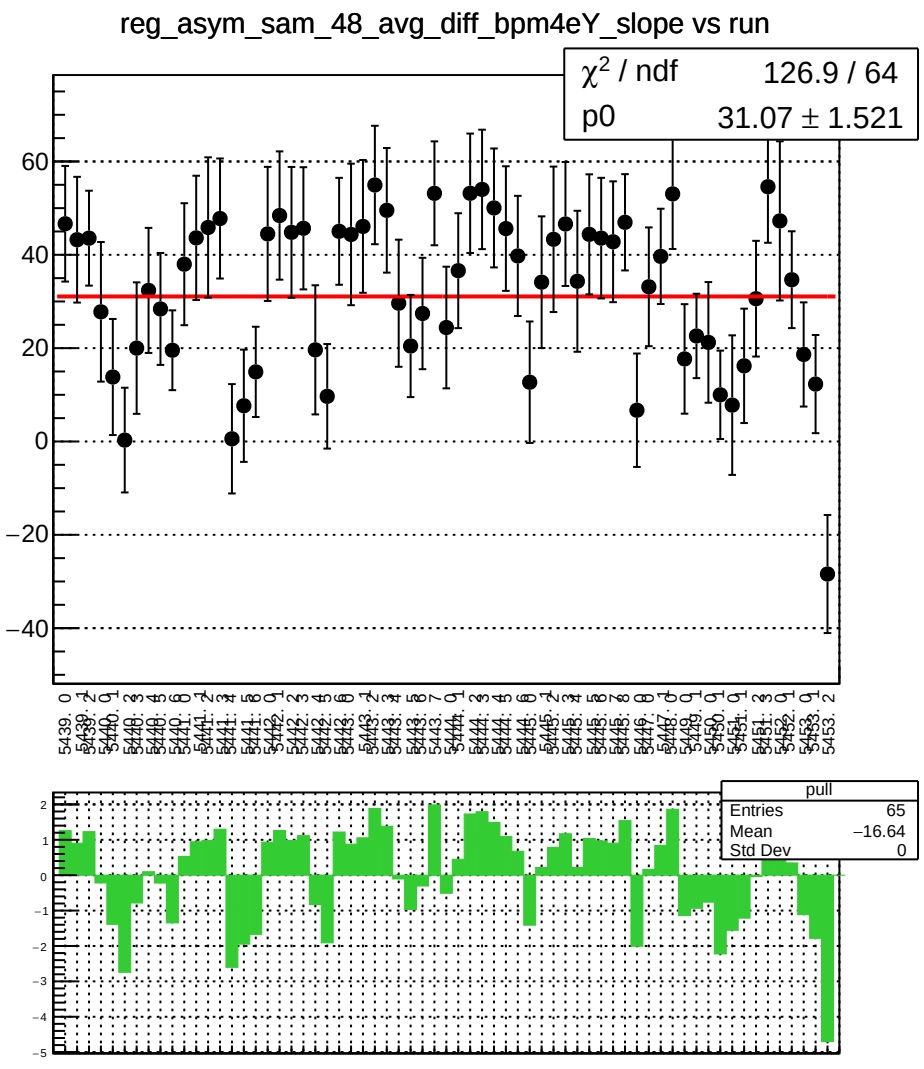

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 226.7 / 64
p0 −37.44 ± 1.465
pull
Entries 65
Mean −62.41
Std Dev 0

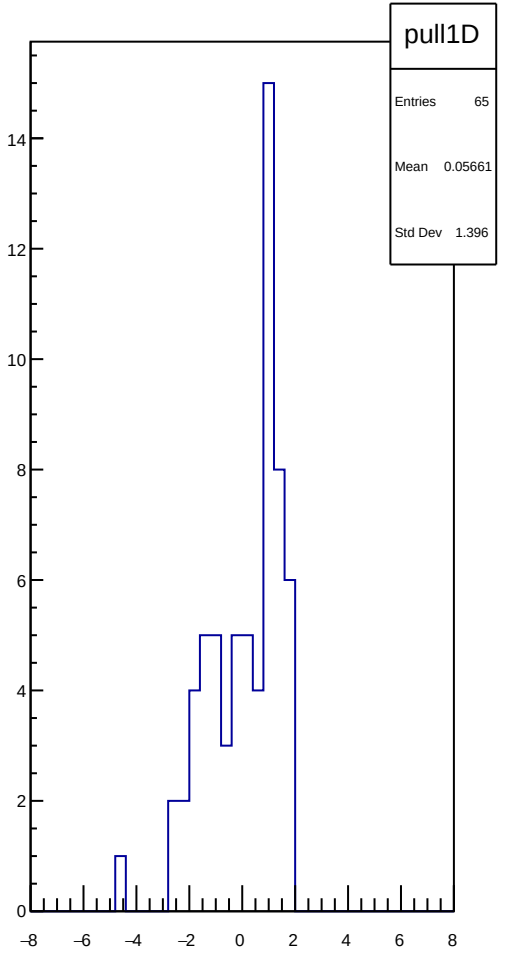

pull1D
Entries 65
Mean 0.07402
Std Dev 1.866

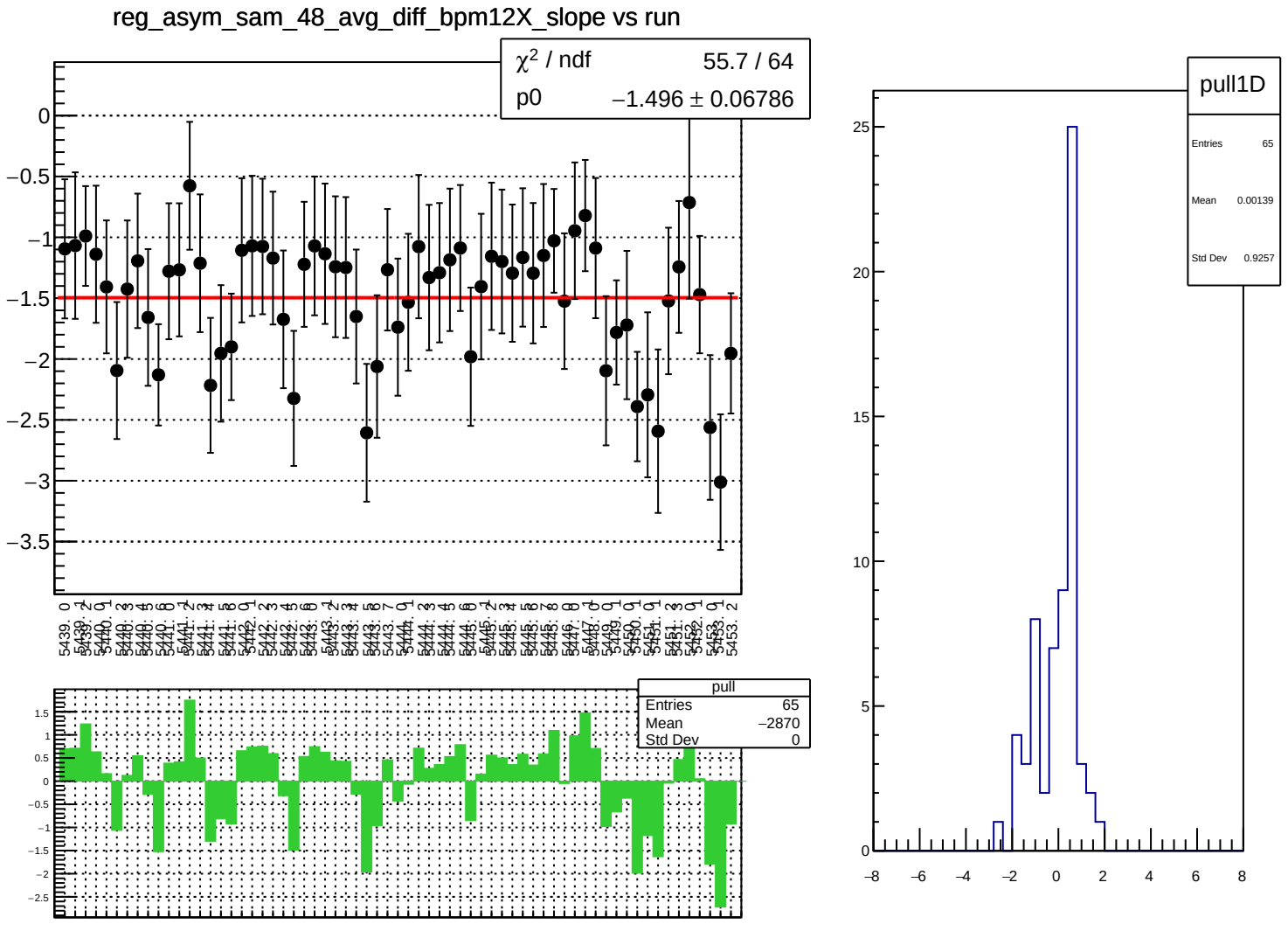

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 180.4 / 64
p0 32.74 ± 1.193
pull
Entries 65
Mean −91.8
Std Dev 0

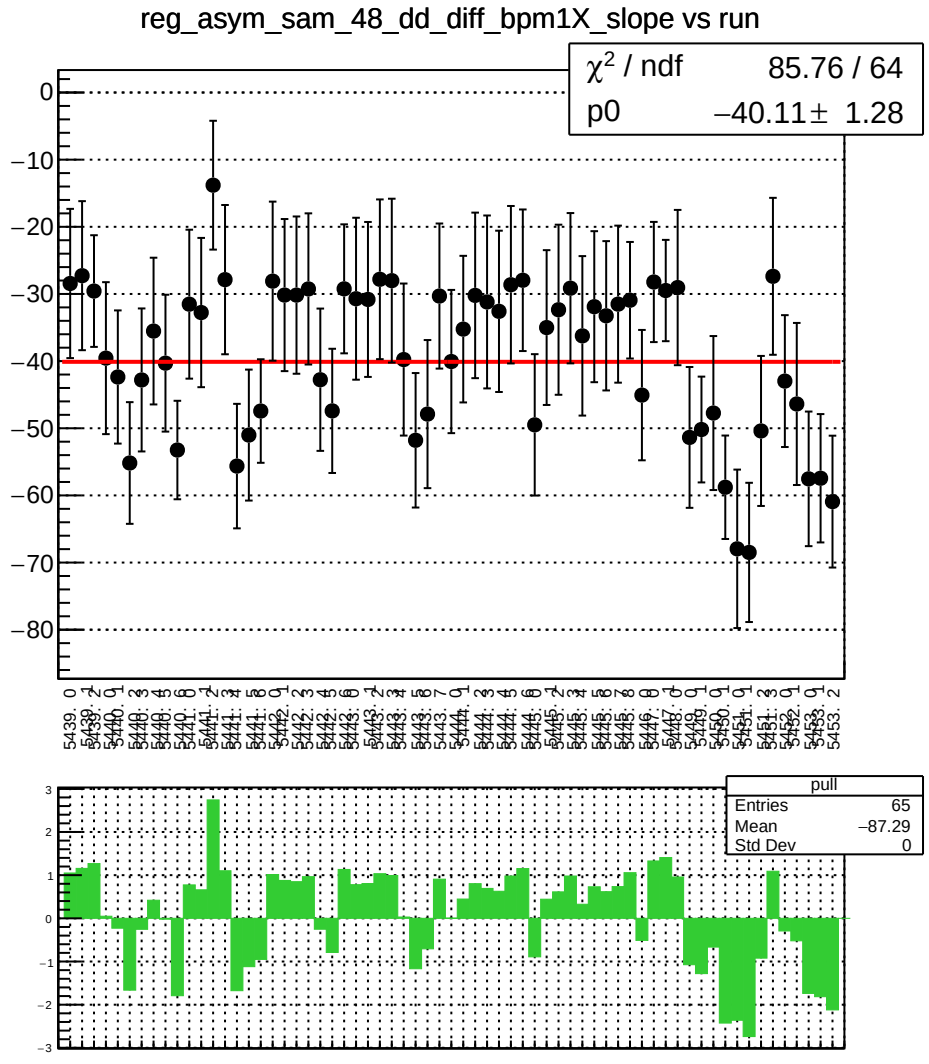

pull1D
Entries 65
Mean −0.03265
Std Dev 1.665

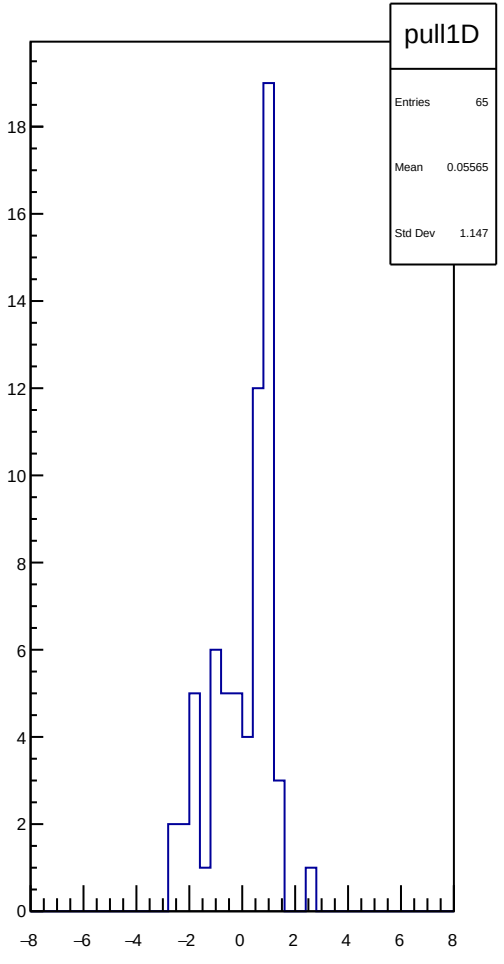

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 151.8 / 64
p0 −46.38 ± 1.146
pull
Entries 65
Mean −28.27
Std Dev 0
pull1D
Entries 65
Mean −0.06878
Std Dev 1.527

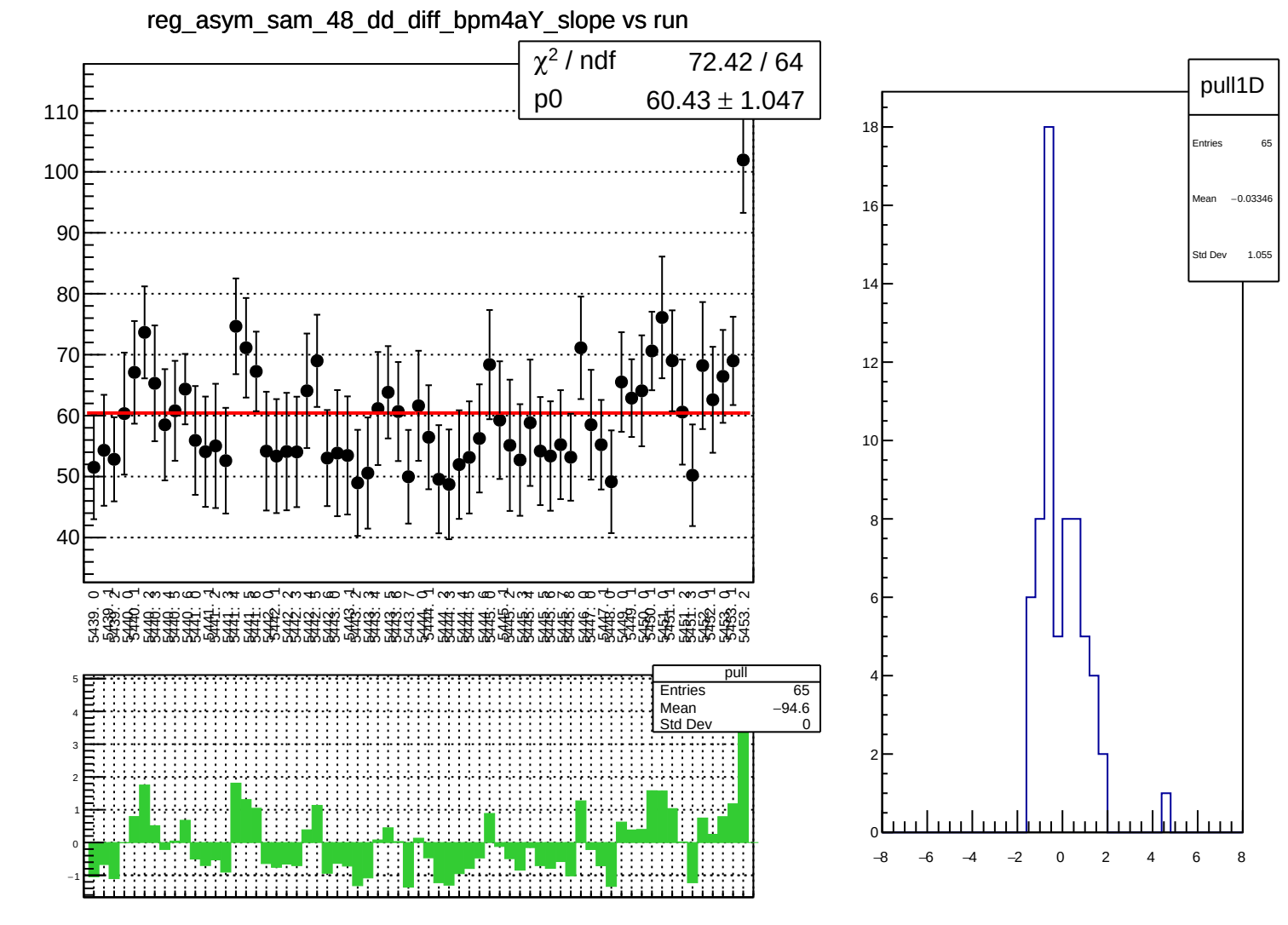

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 126.9 / 64
p0 31.07 ± 1.521
pull
Entries 65
Mean −16.64
Std Dev 0

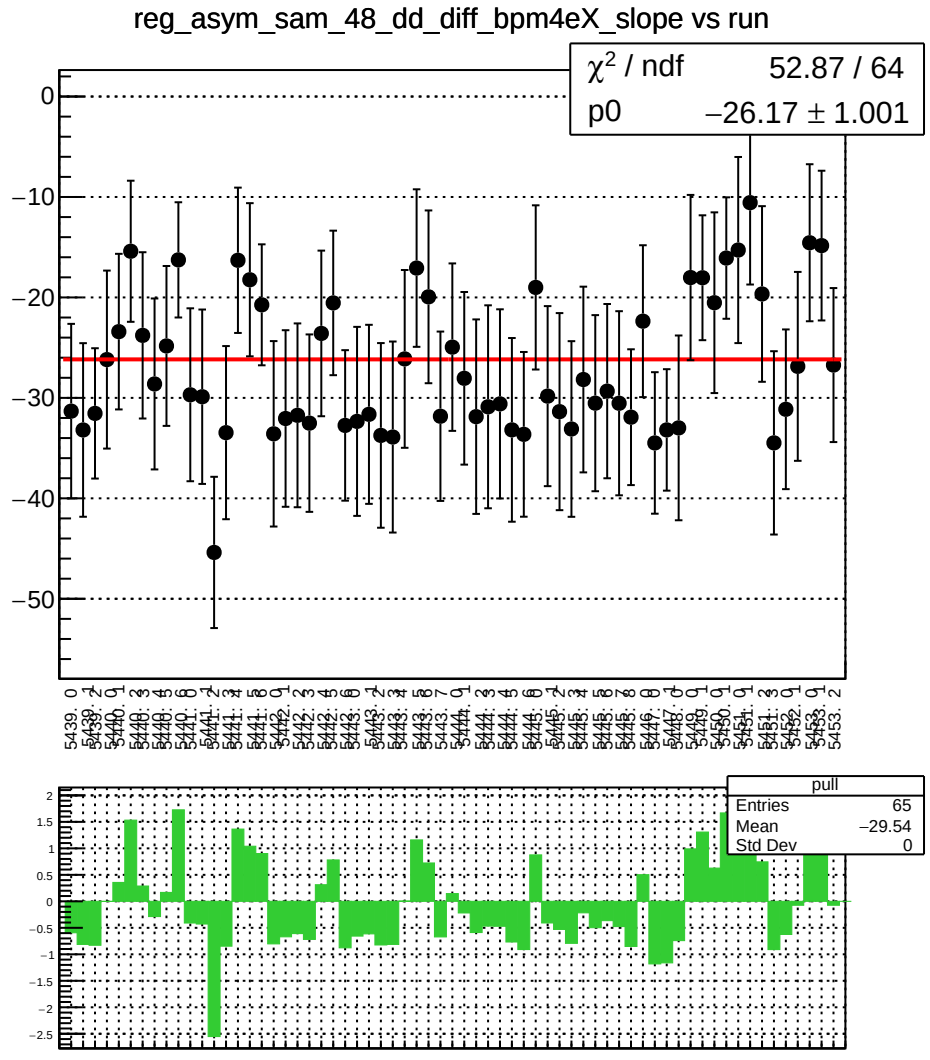

pull1D
Entries 65
Mean 0.05661
Std Dev 1.396

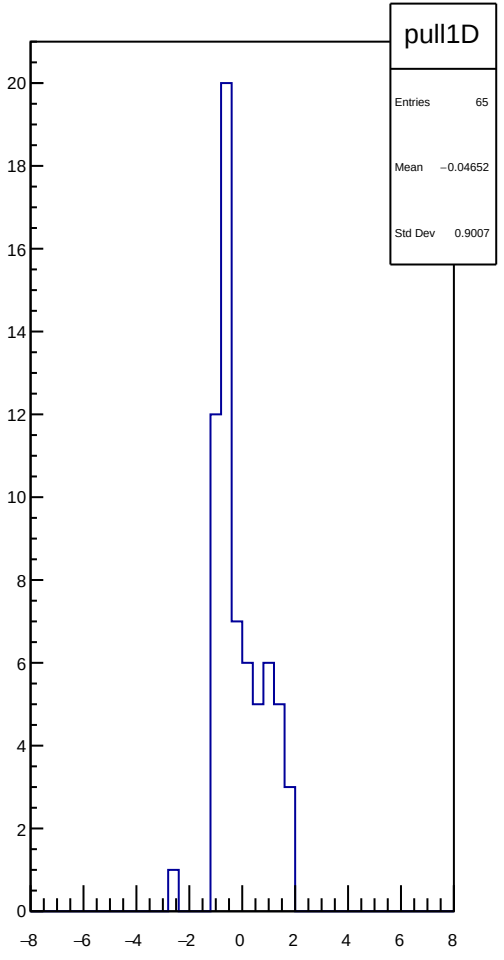

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 55.7 / 64
p0 −1.496 ± 0.06786
pull
Entries 65
Mean −2870
Std Dev 0
pull1D
Entries 65
Mean 0.00139
Std Dev 0.9257

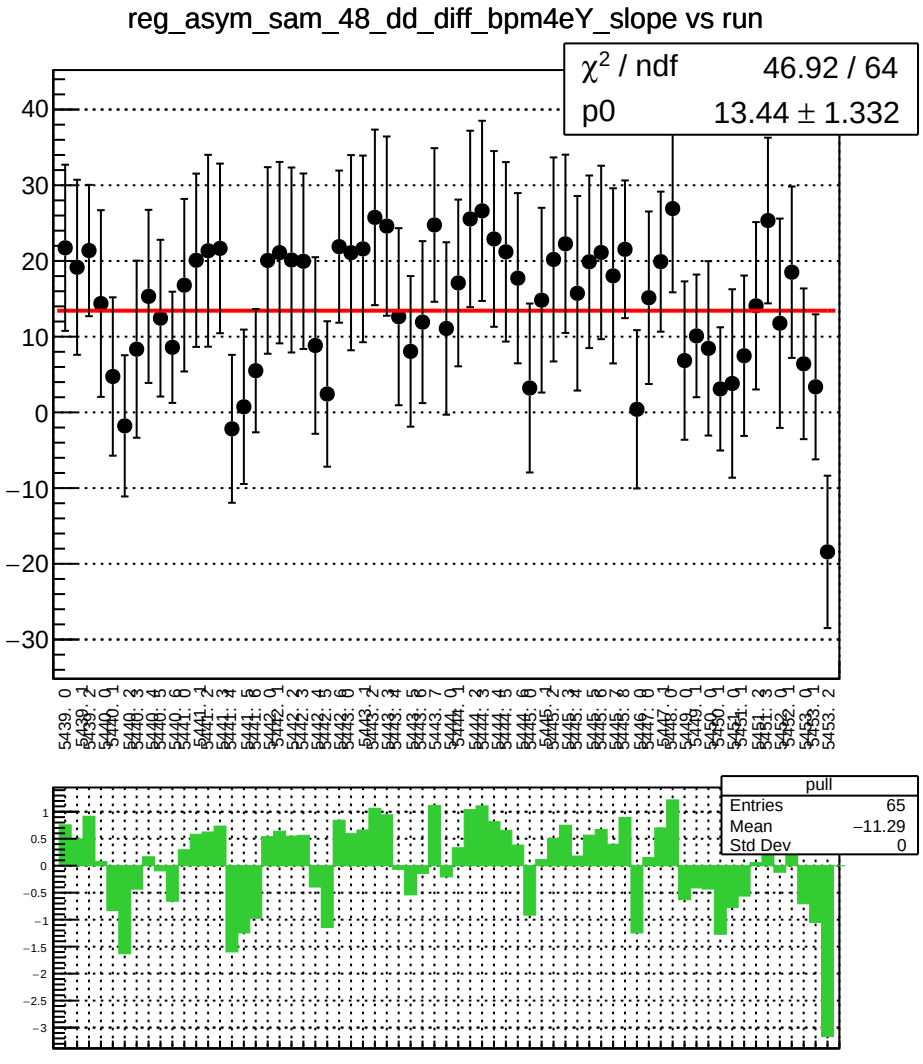

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 85.76 / 64
p0 −40.11± 1.28
pull
Entries 65
Mean −87.29
Std Dev 0

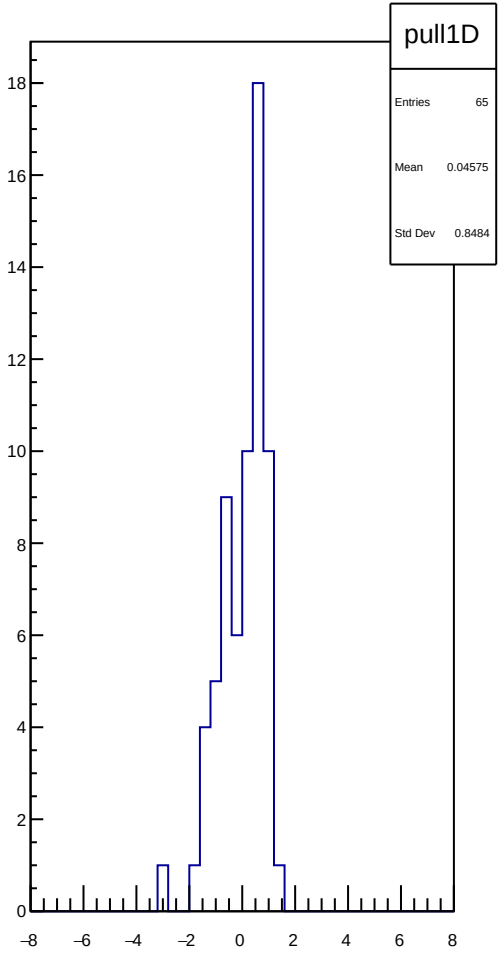

pull1D
Entries 65
Mean 0.05565
Std Dev 1.147

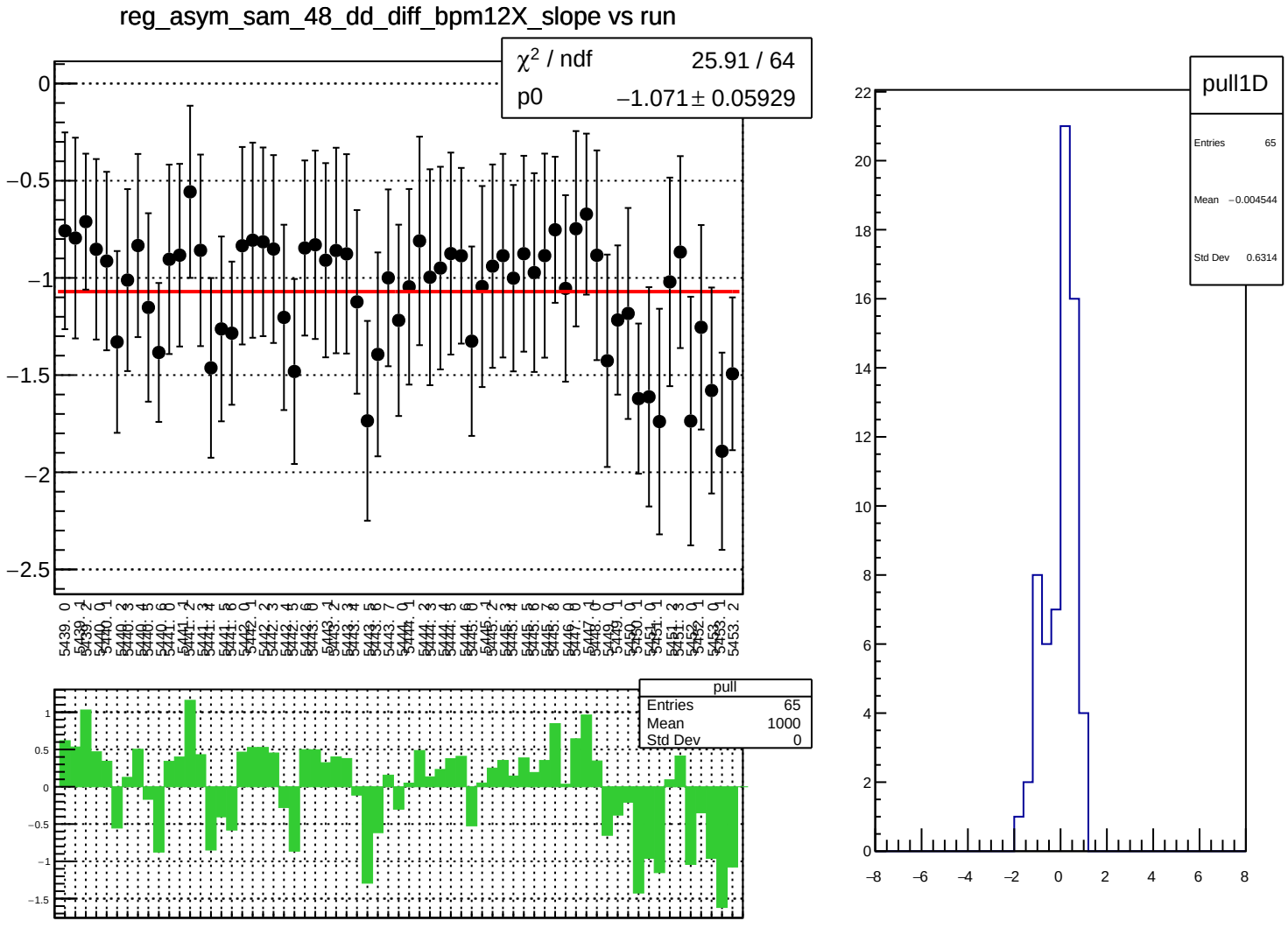

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.42 / 64
p0 60.43 ± 1.047
pull
Entries 65
Mean −94.6
Std Dev 0
pull1D
Entries 65
Mean −0.03346
Std Dev 1.055

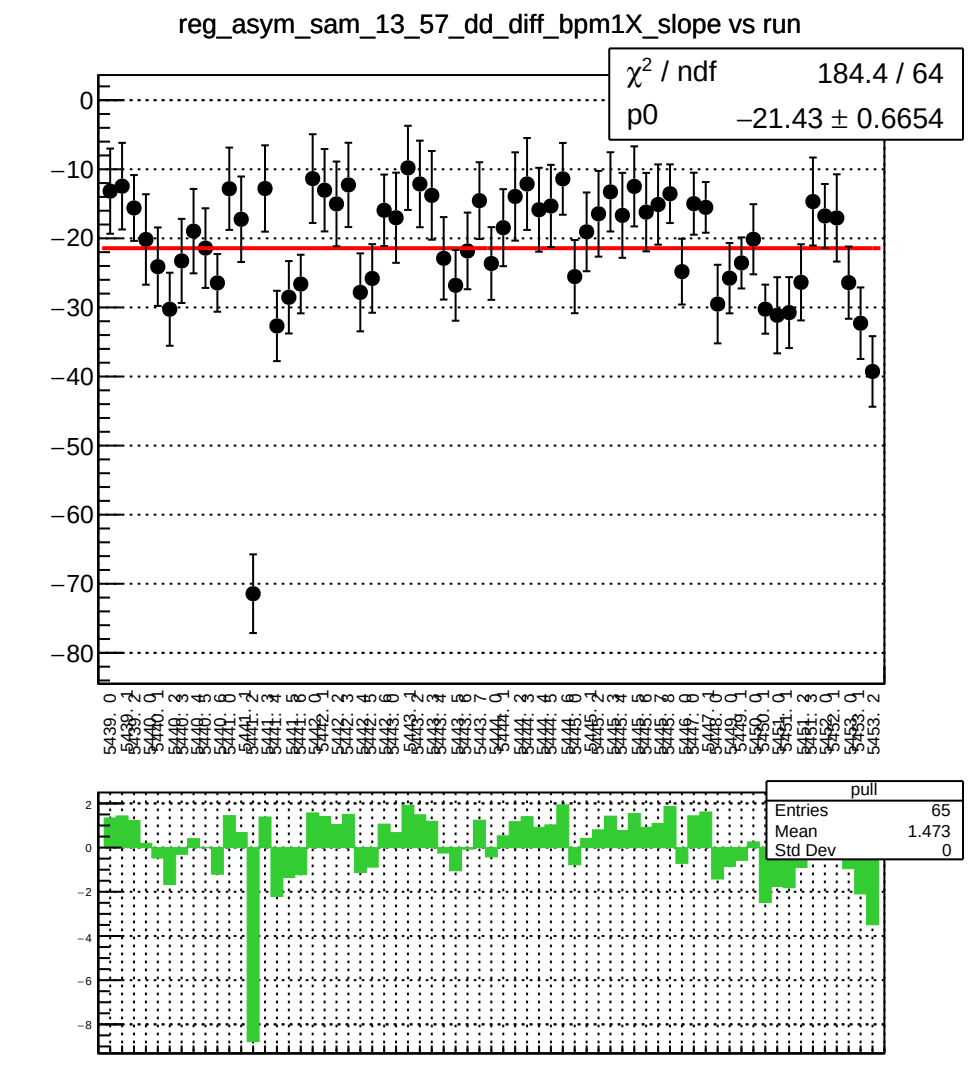

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.87 / 64
p0 −26.17 ± 1.001
pull
Entries 65
Mean −29.54
Std Dev 0

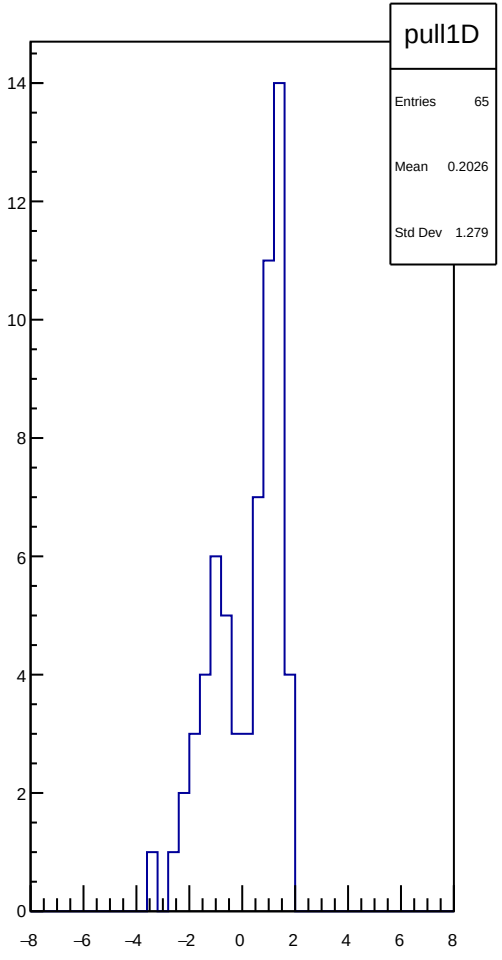

pull1D
Entries 65
Mean −0.04652
Std Dev 0.9007

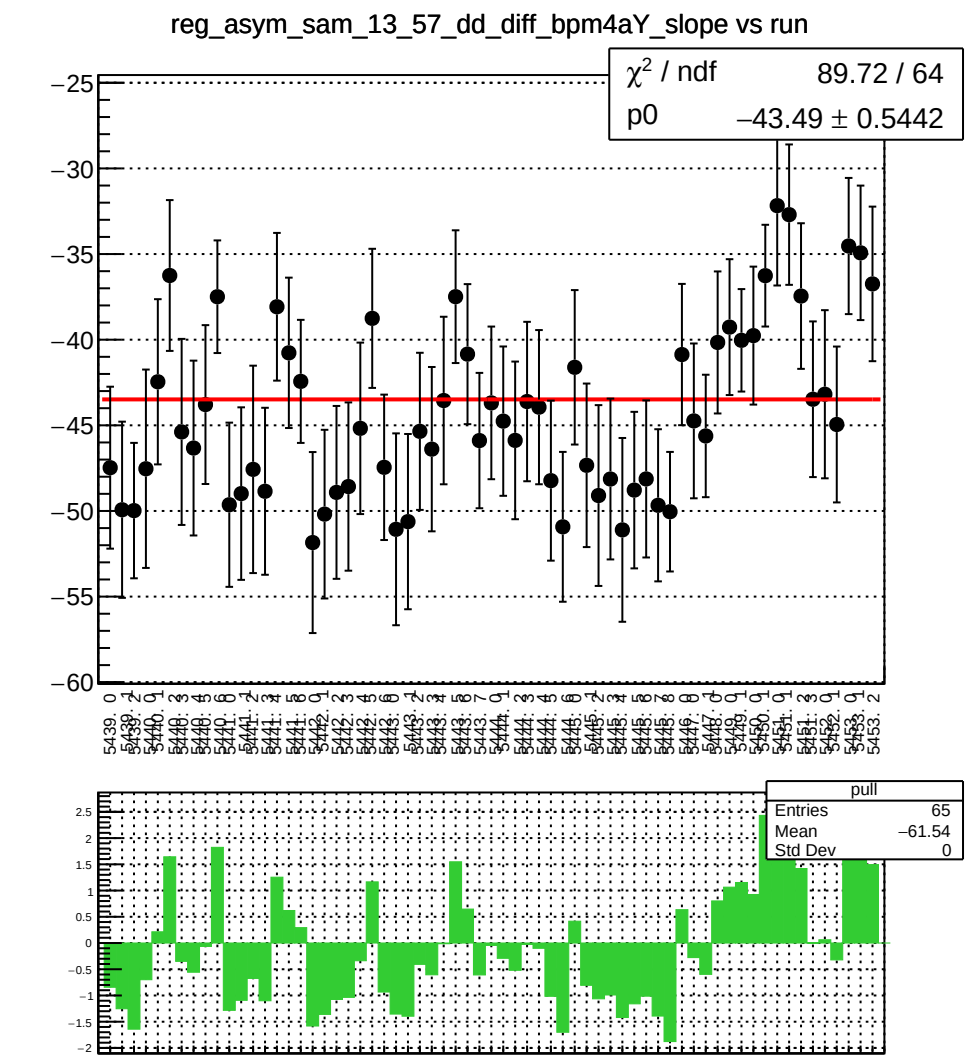

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.92 / 64
p0 13.44 ± 1.332
pull
Entries 65
Mean −11.29
Std Dev 0

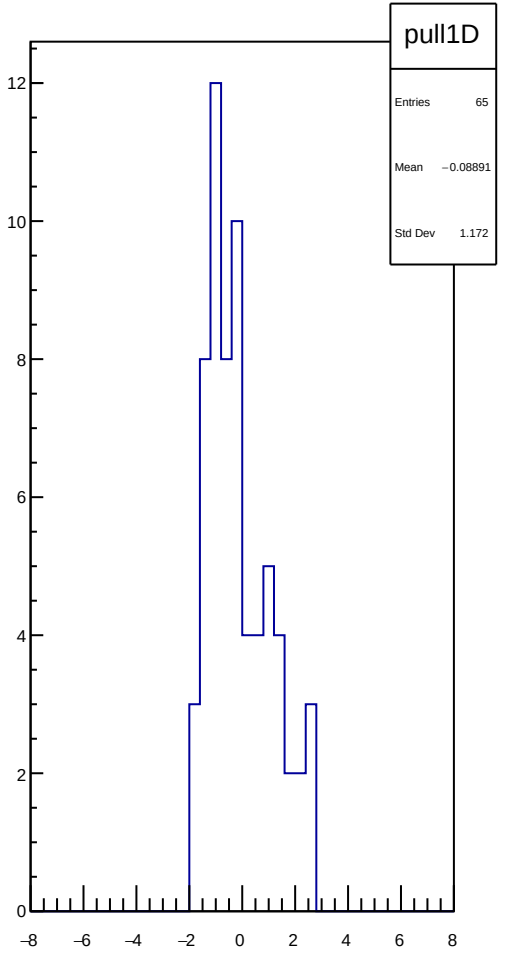

pull1D
Entries 65
Mean 0.04575
Std Dev 0.8484

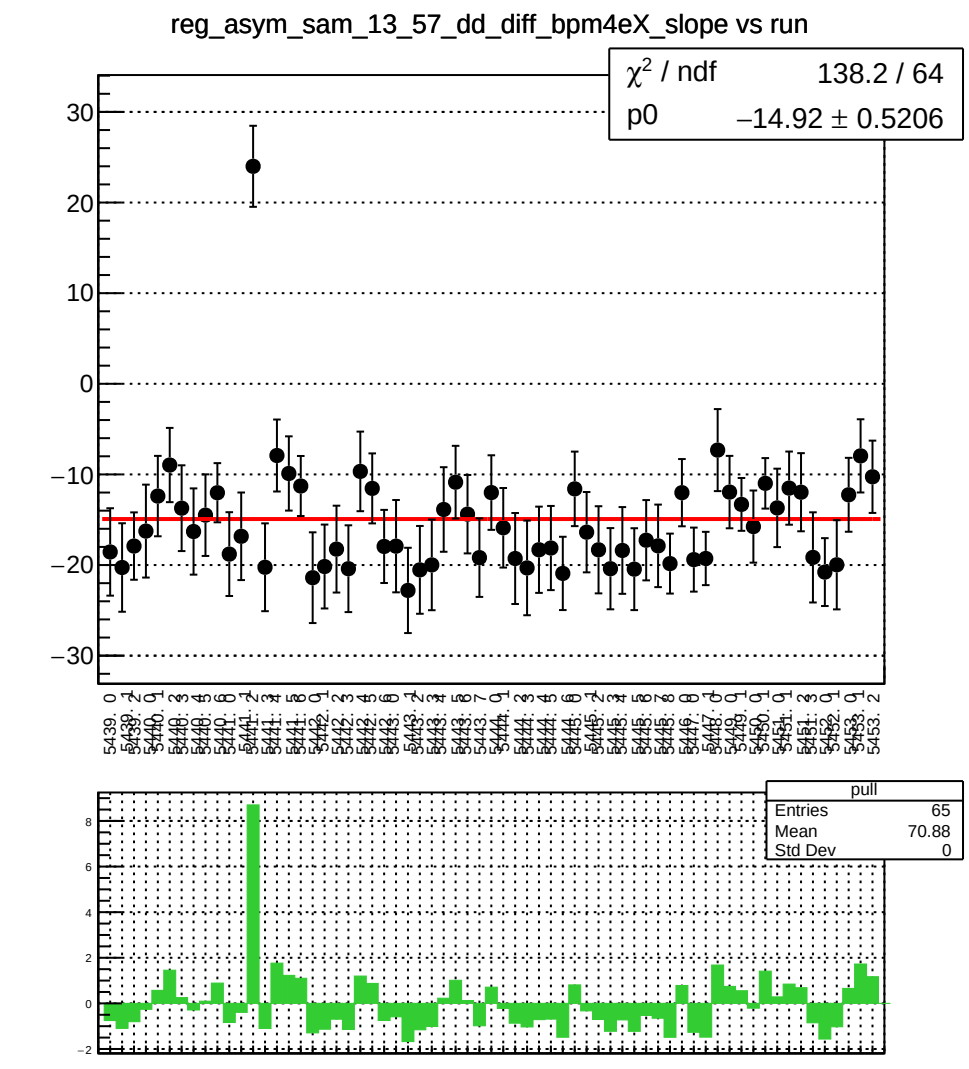

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 25.91 / 64
p0 −1.071 ± 0.05929
pull
Entries 65
Mean 1000
Std Dev 0
pull1D
Entries 65
Mean −0.004544
Std Dev 0.6314

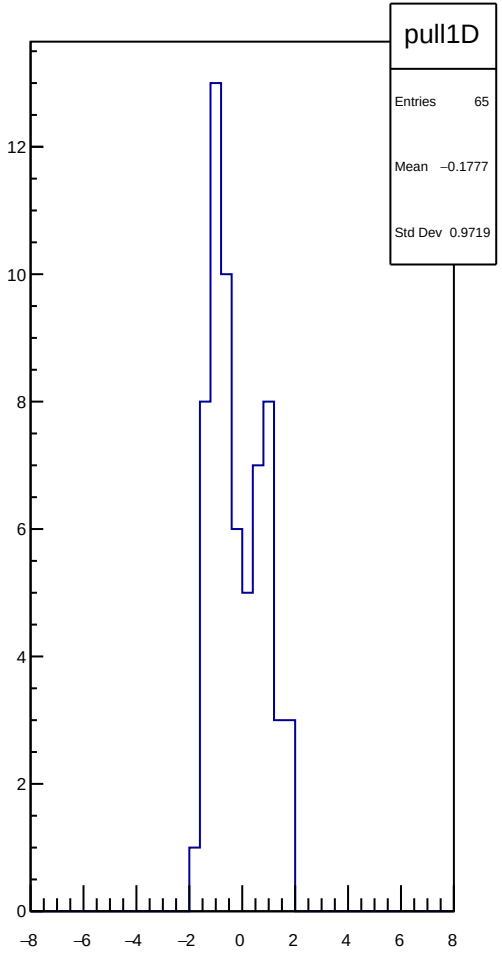

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 184.4 / 64
p0 −21.43 ± 0.6654
pull
Entries 65
Mean 1.473
Std Dev 0

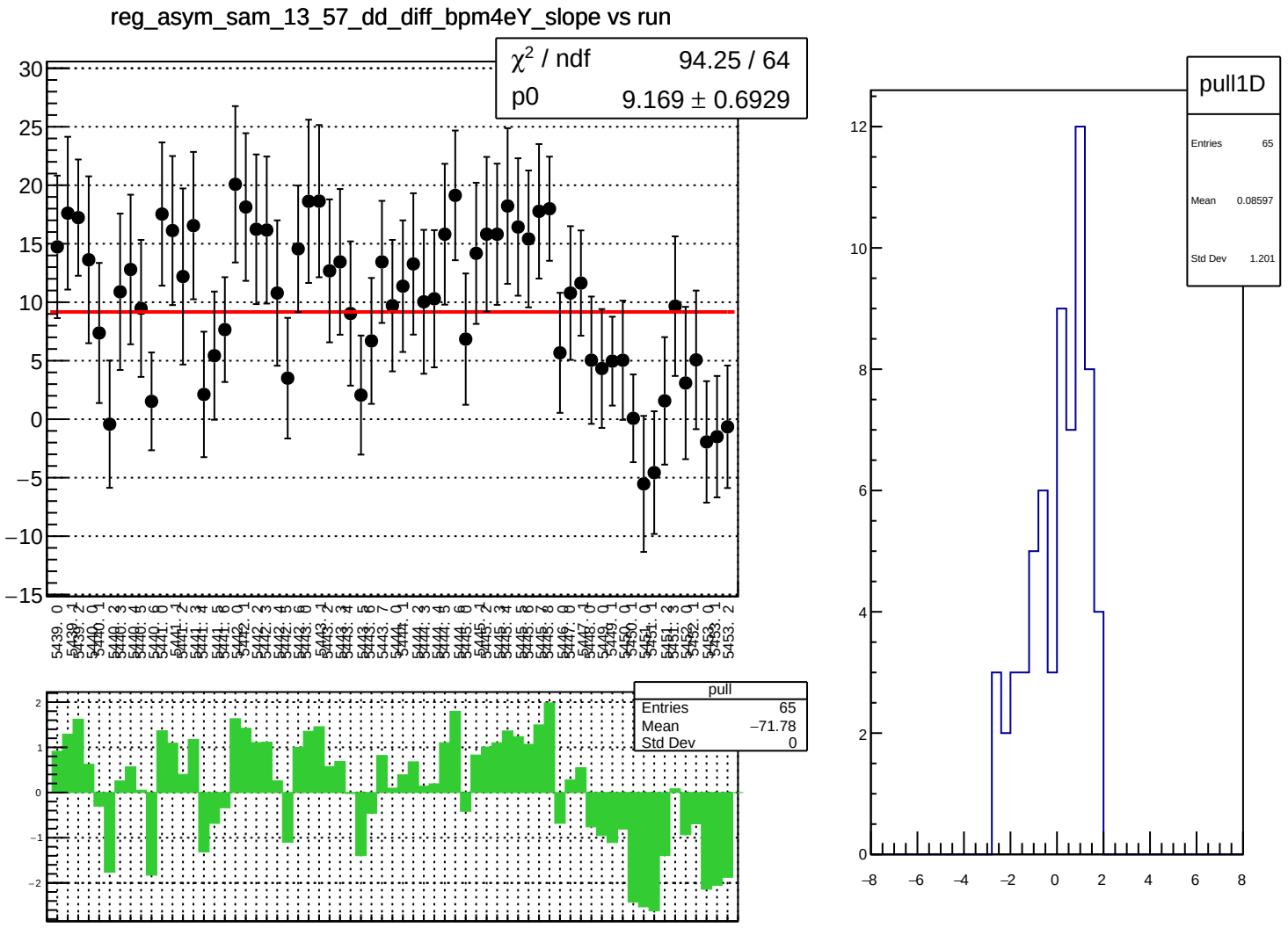

pull1D
Entries 65
Mean 0.2026
Std Dev 1.279

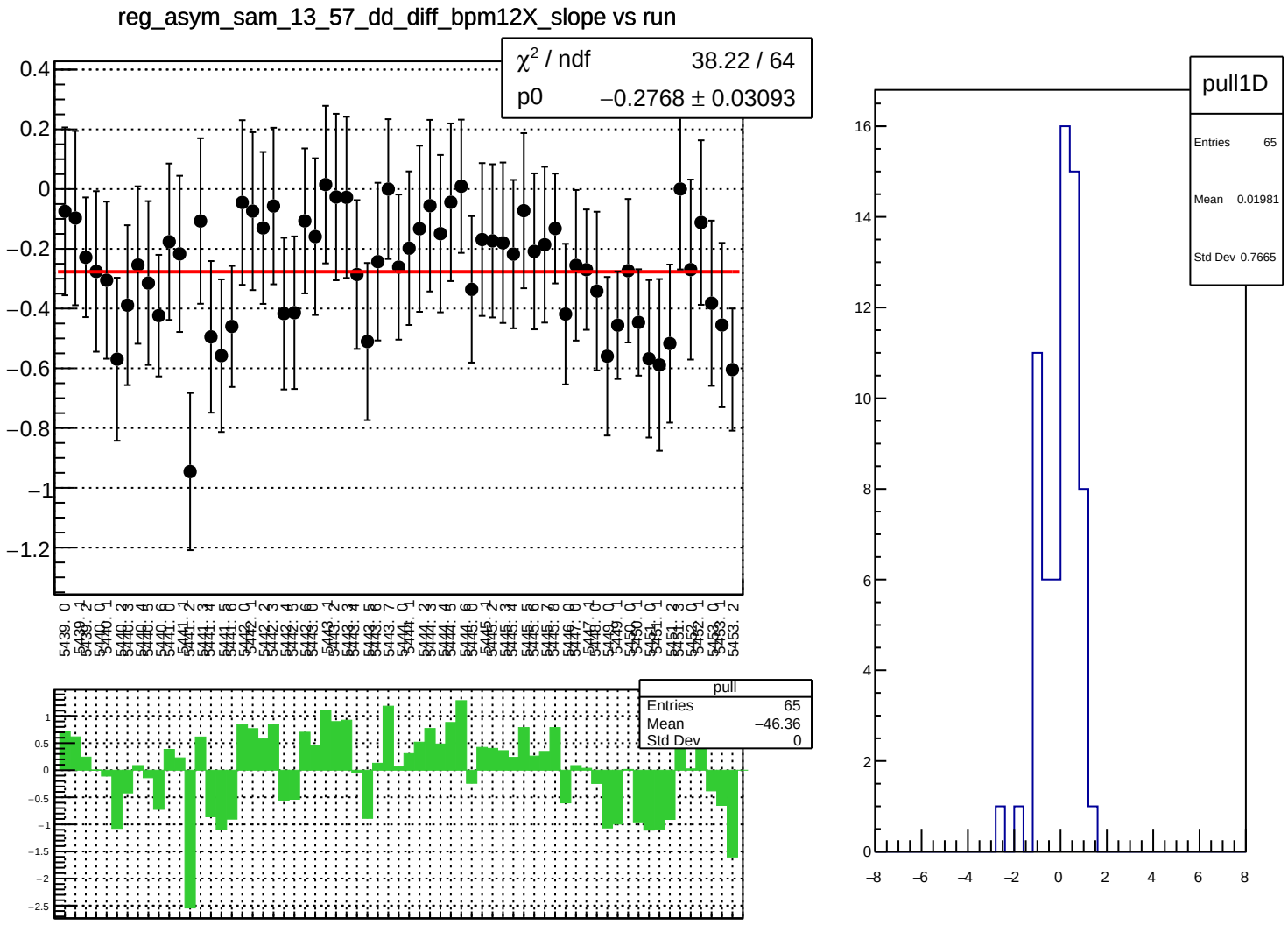

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 89.72 / 64
p0 −43.49 ± 0.5442
pull
Entries 65
Mean −61.54
Std Dev 0

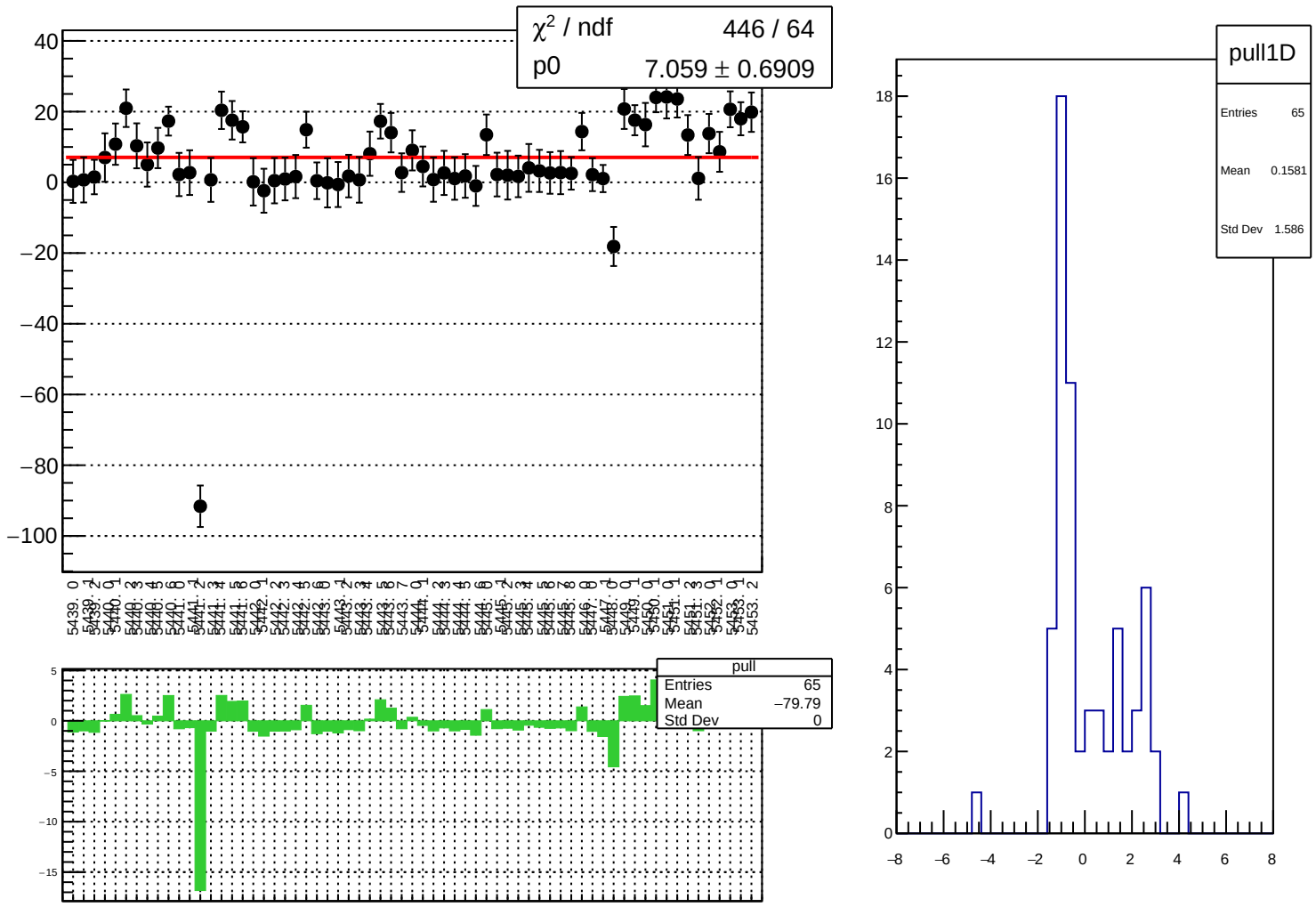

pull1D
Entries 65
Mean −0.08891
Std Dev 1.172

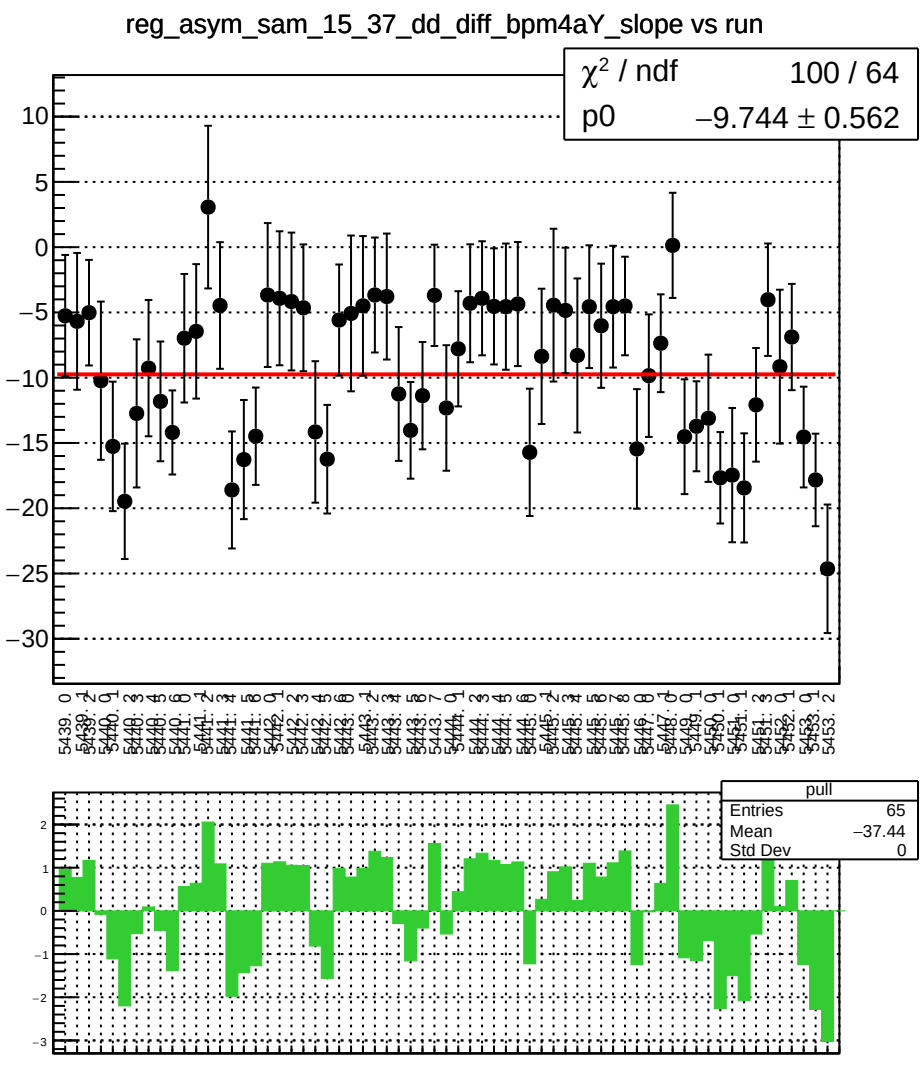

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 138.2 / 64
p0 −14.92 ± 0.5206
pull
Entries 65
Mean 70.88
Std Dev 0

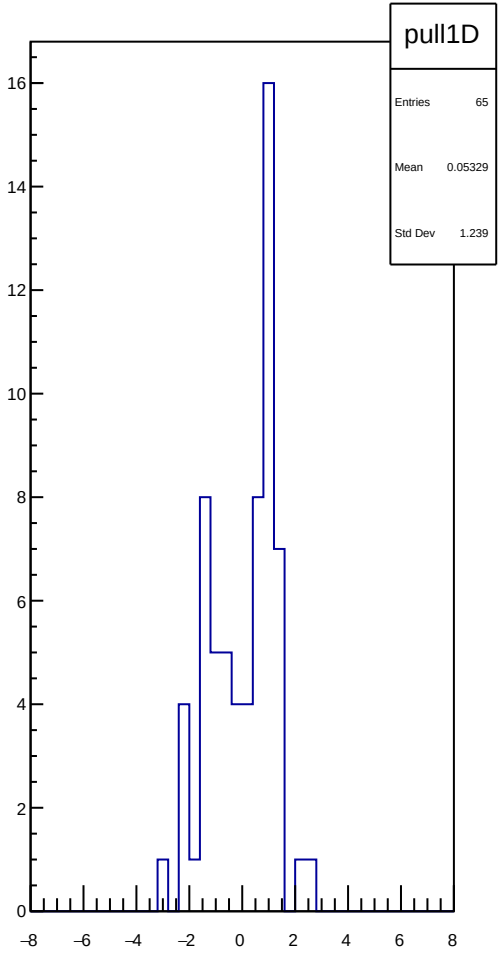

pull1D
Entries 65
Mean −0.1777
Std Dev 0.9719

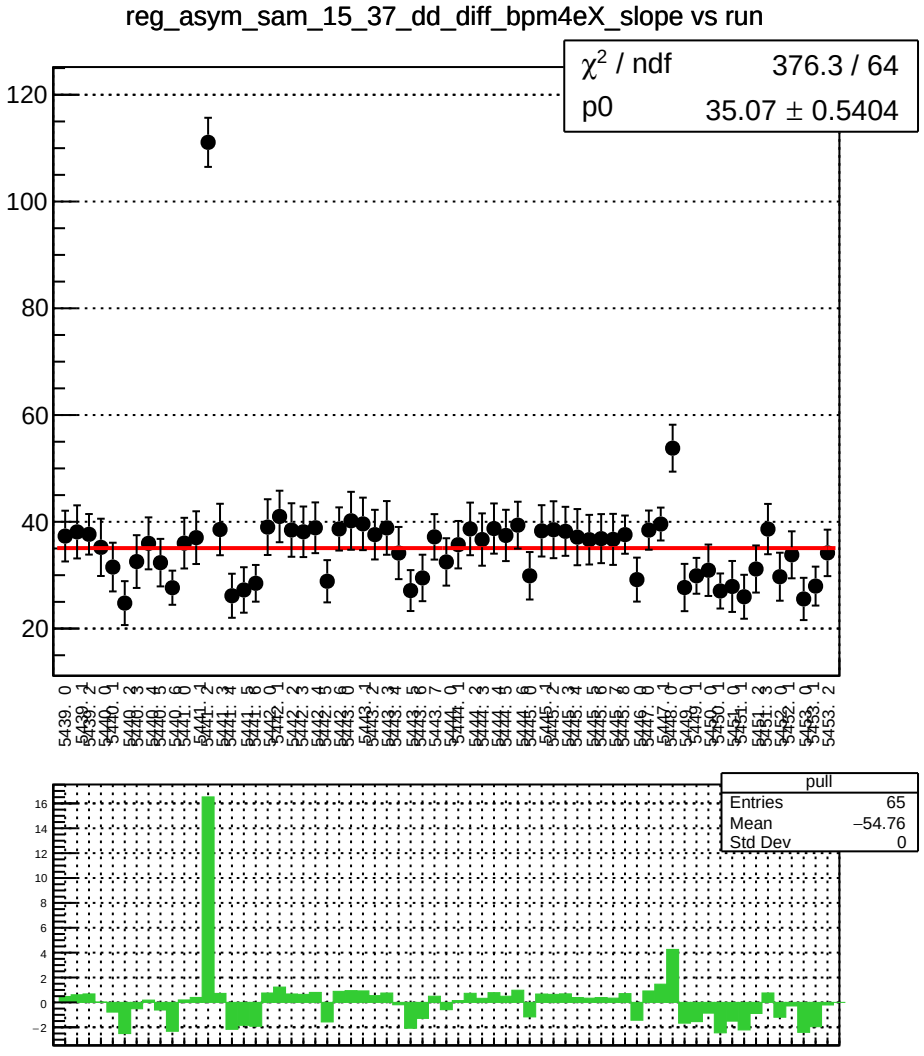

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 94.25 / 64
p0 9.169 ± 0.6929
pull
Entries 65
Mean −71.78
Std Dev 0
pull1D
Entries 65
Mean 0.08597
Std Dev 1.201

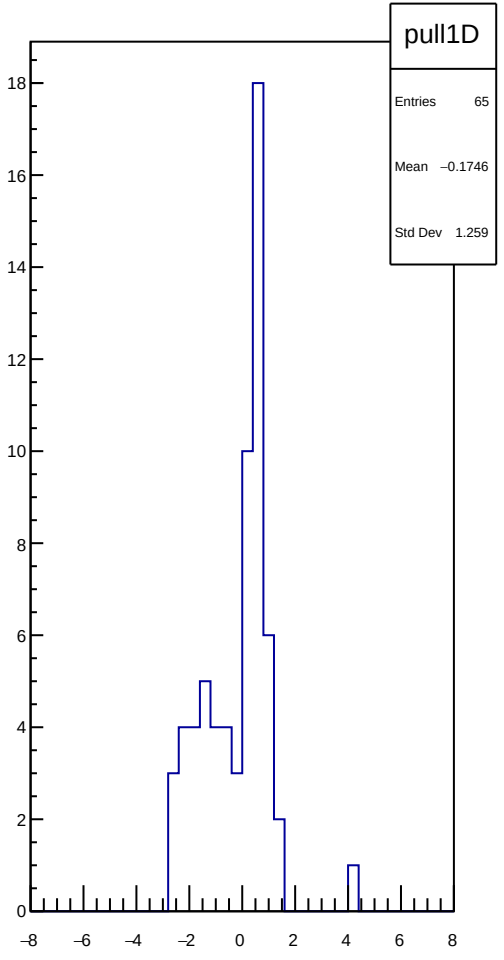

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 38.22 / 64
p0 −0.2768 ± 0.03093
pull
Entries 65
Mean −46.36
Std Dev 0
pull1D
Entries 65
Mean 0.01981
Std Dev 0.7665

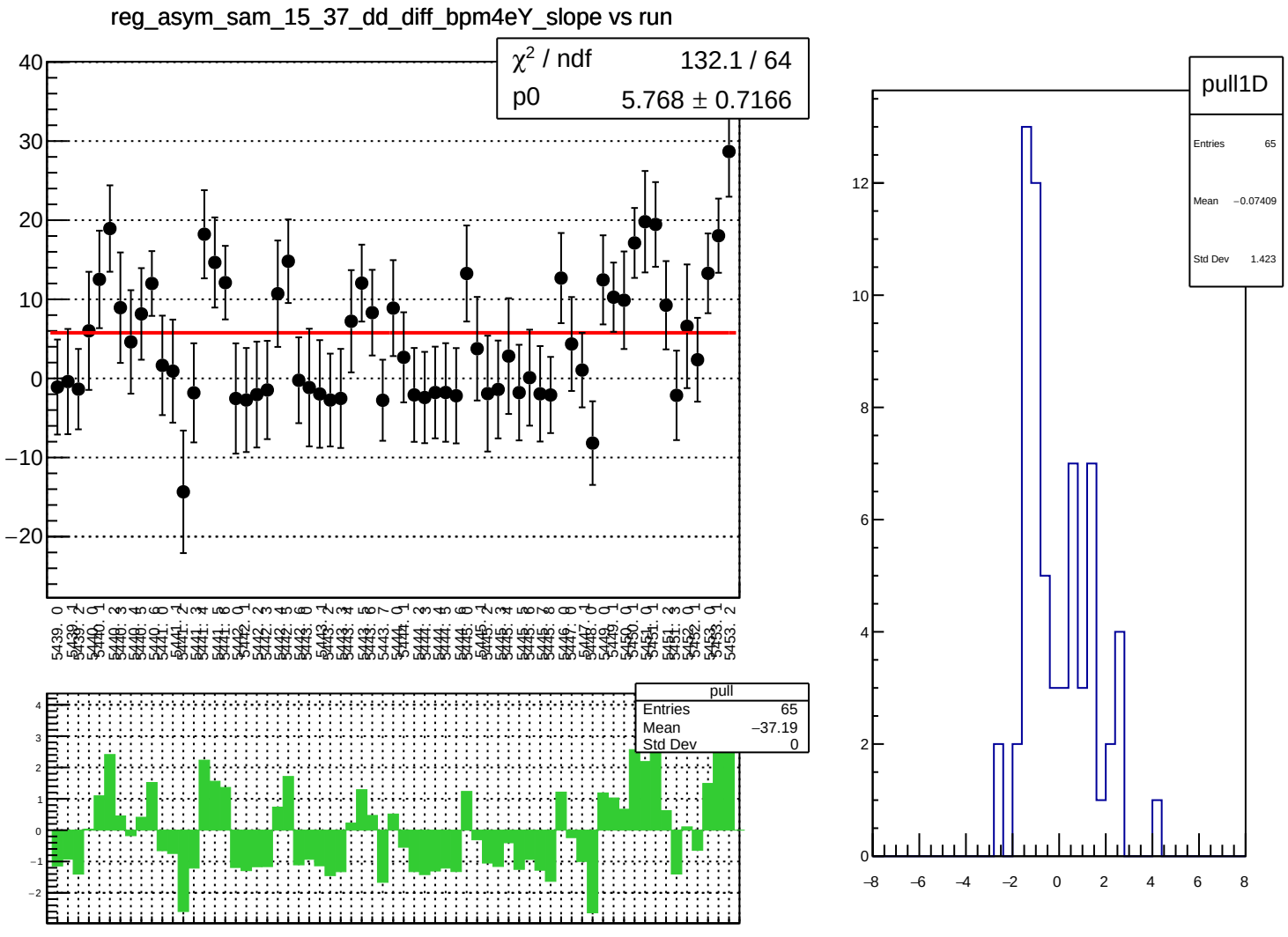

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 446 / 64
p0 7.059 ± 0.6909
pull
Entries 65
Mean −79.79
Std Dev 0
pull1D
Entries 65
Mean 0.1581
Std Dev 1.586

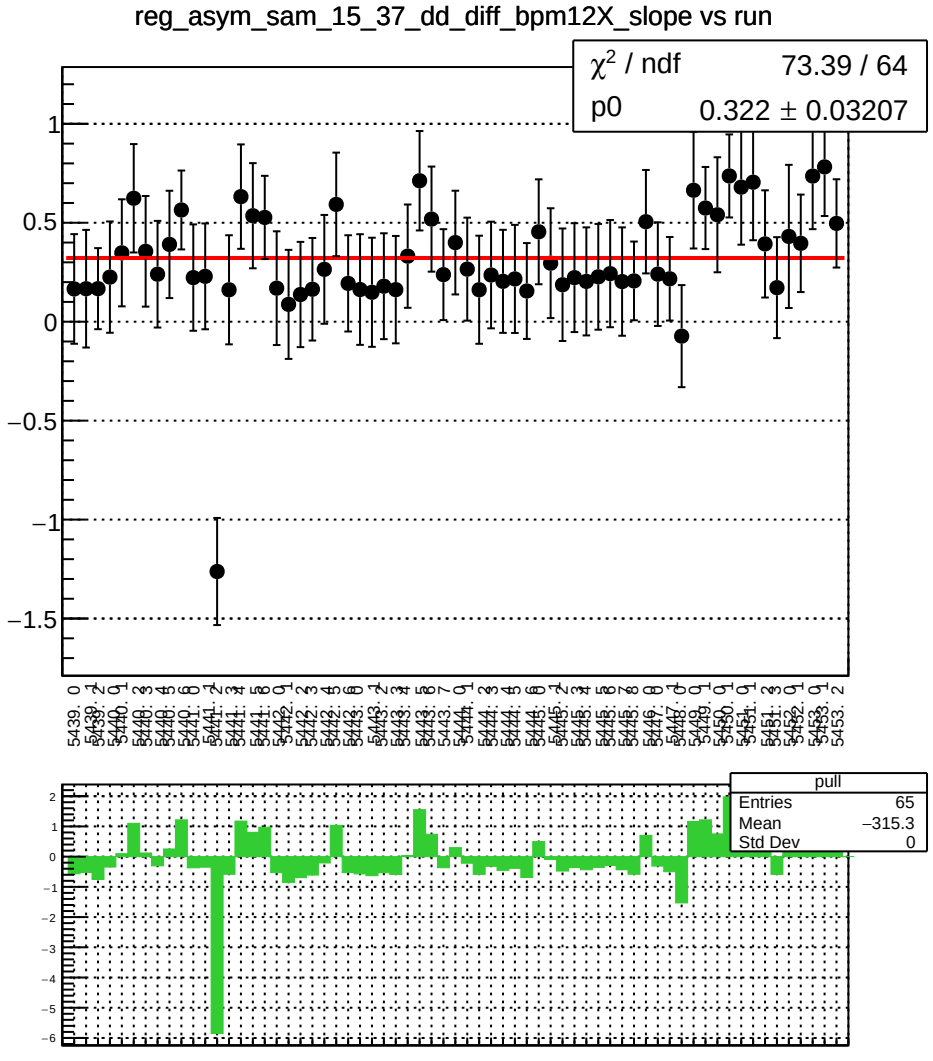

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 100 / 64
p0 −9.744 ± 0.562
pull
Entries 65
Mean −37.44
Std Dev 0

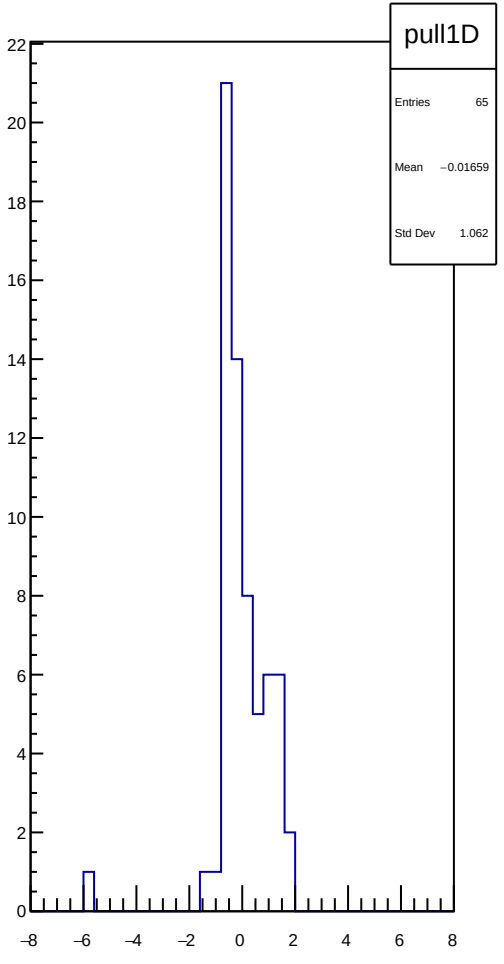

pull1D
Entries 65
Mean 0.05329
Std Dev 1.239

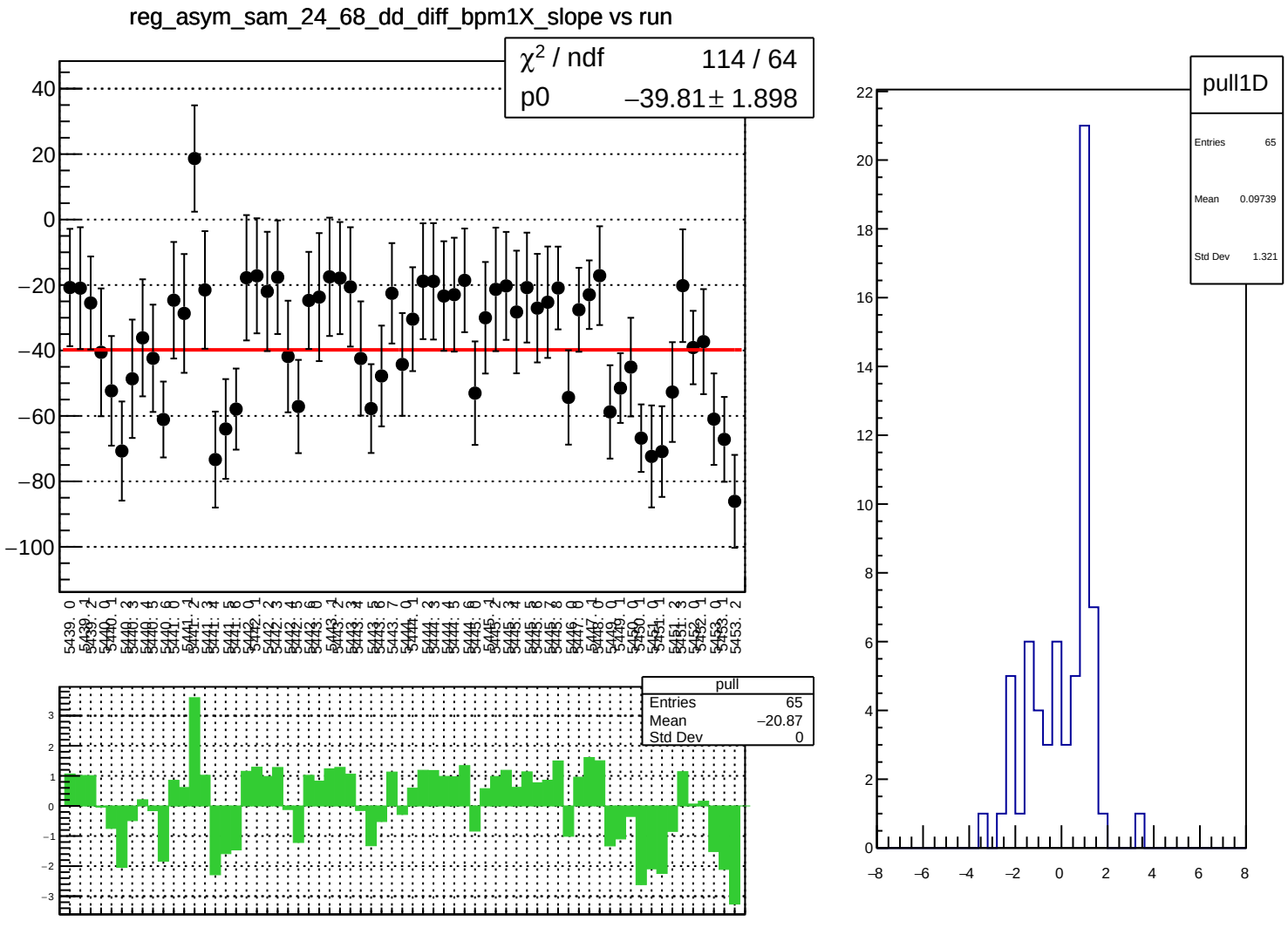

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 376.3 / 64
p0 35.07 ± 0.5404
pull
Entries 65
Mean −54.76
Std Dev 0

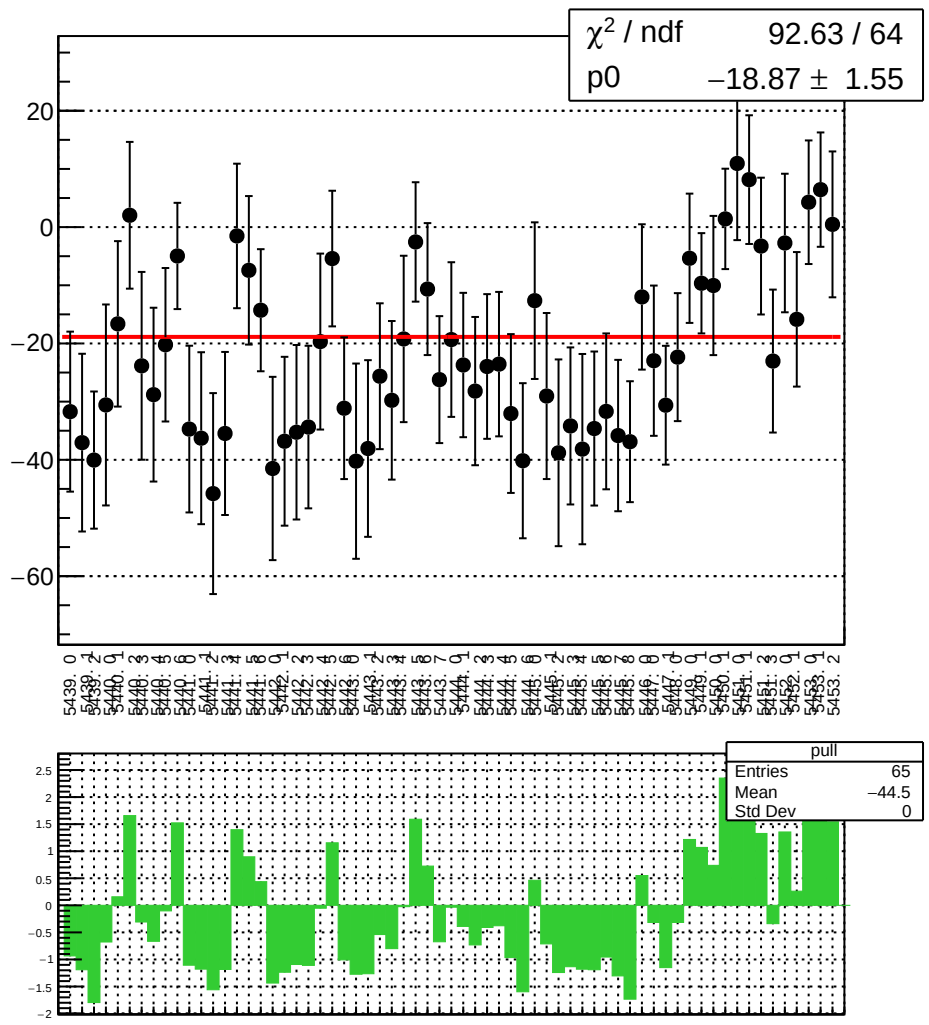

pull1D
Entries 65
Mean −0.1746
Std Dev 1.259

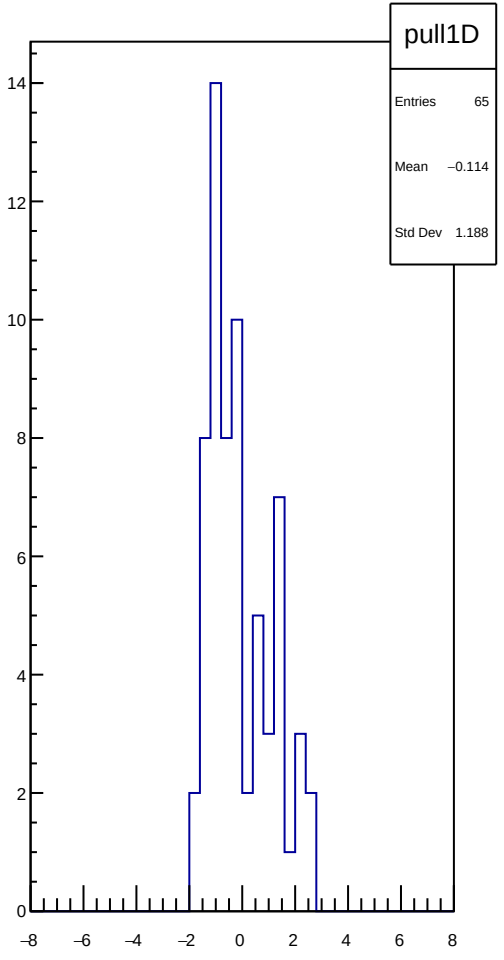

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.1 / 64
p0 5.768 ± 0.7166
pull
Entries 65
Mean −37.19
Std Dev 0
pull1D
Entries 65
Mean −0.07409
Std Dev 1.423

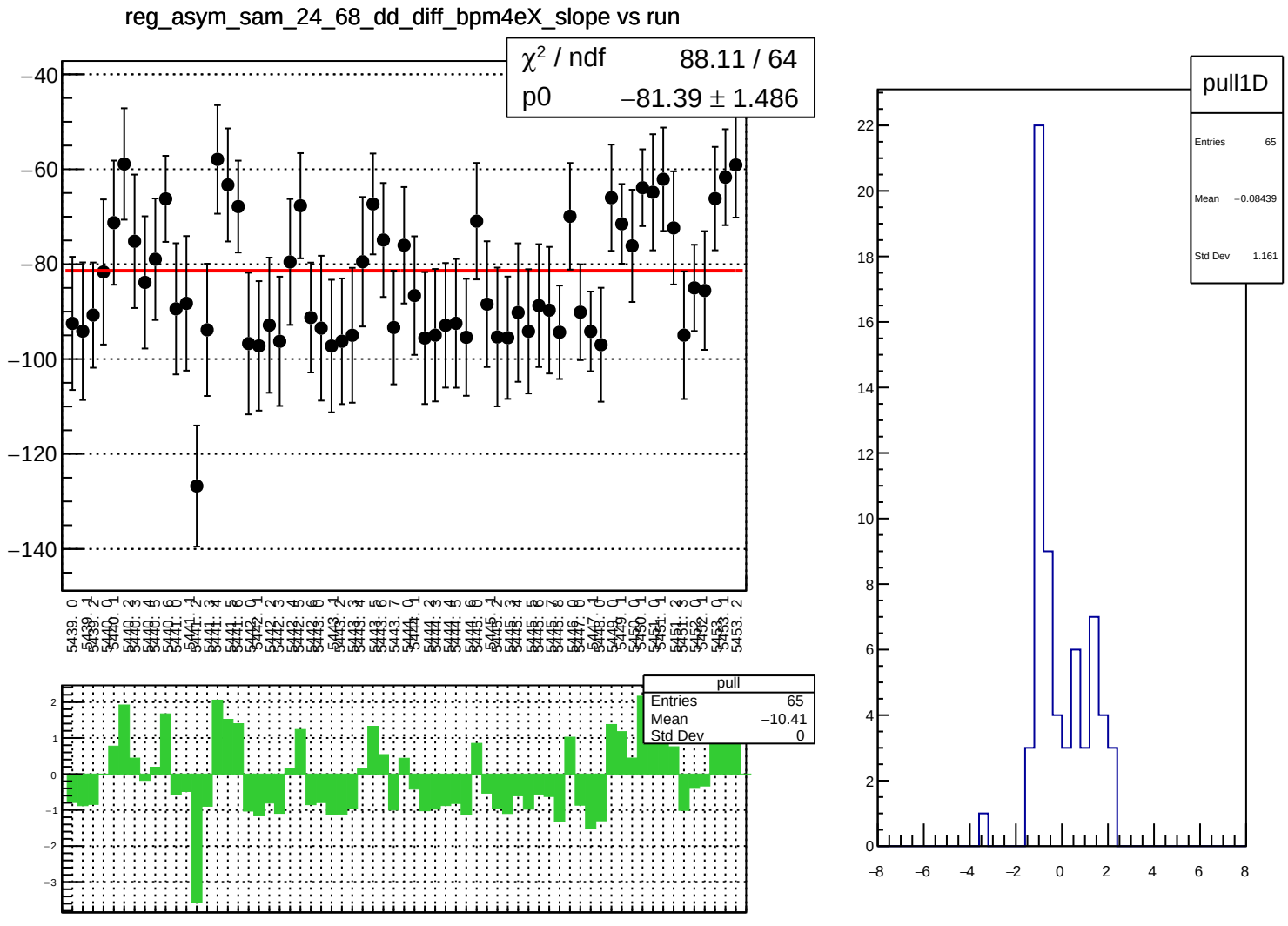

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 73.39 / 64
p0 0.322 ± 0.03207
pull
Entries 65
Mean −315.3
Std Dev 0

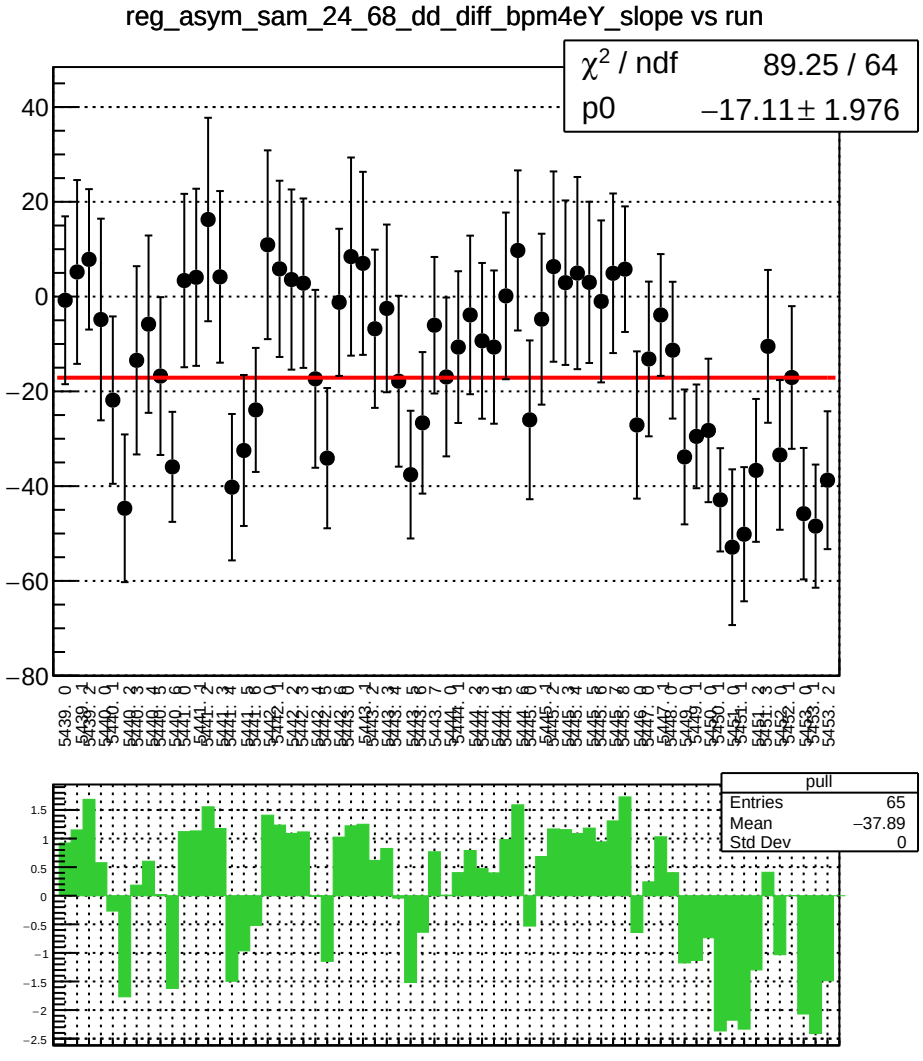

pull1D
Entries 65
Mean −0.01659
Std Dev 1.062

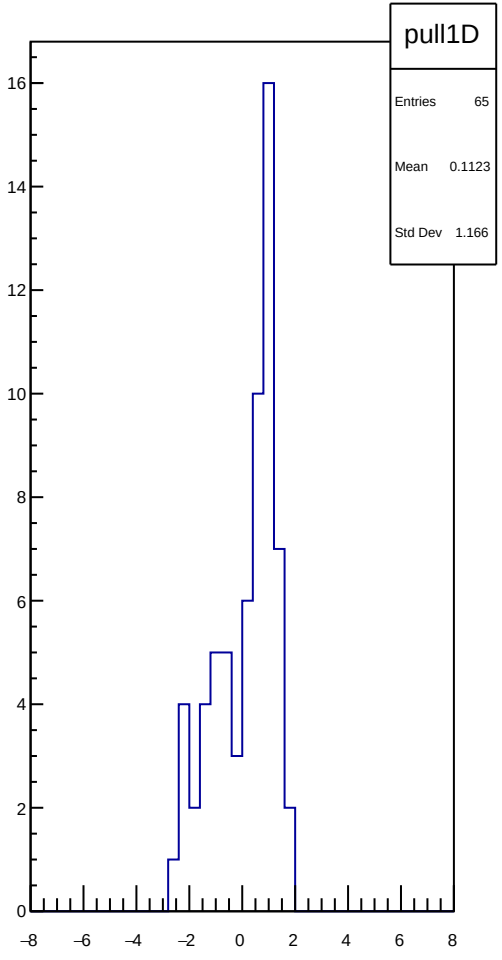

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 114 / 64
p0 −39.81 ± 1.898
pull
Entries 65
Mean −20.87
Std Dev 0
pull1D
Entries 65
Mean 0.09739
Std Dev 1.321

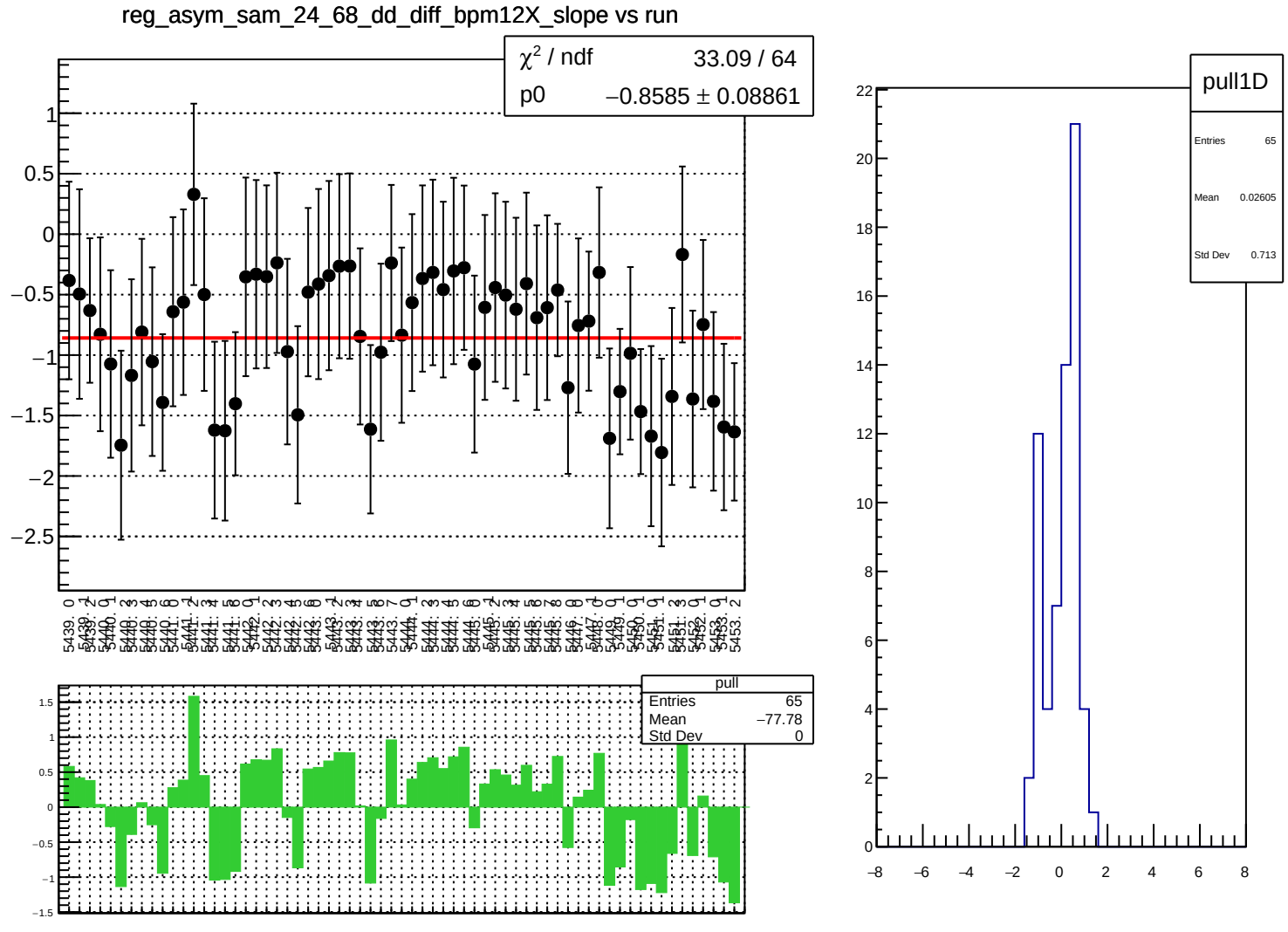

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 92.63 / 64
p0 −18.87 ± 1.55
pull
Entries 65
Mean −44.5
Std Dev 0

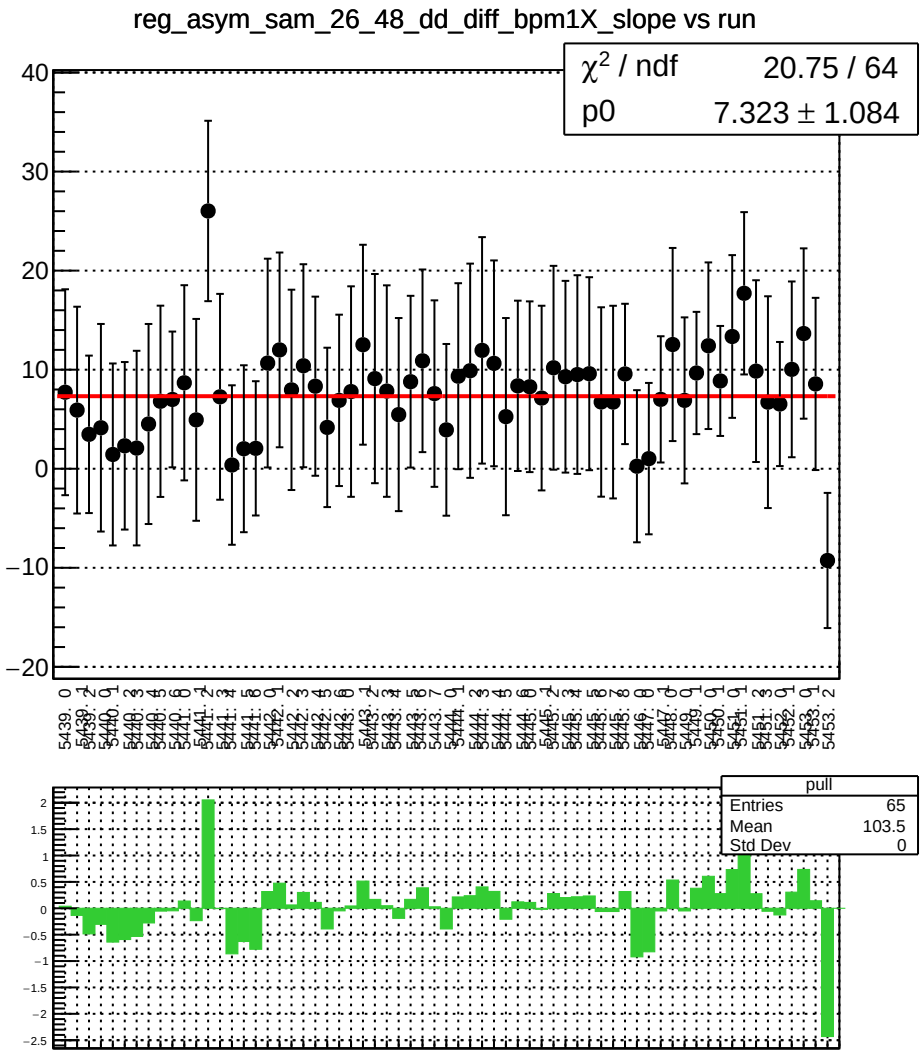

pull1D
Entries 65
Mean −0.114
Std Dev 1.188

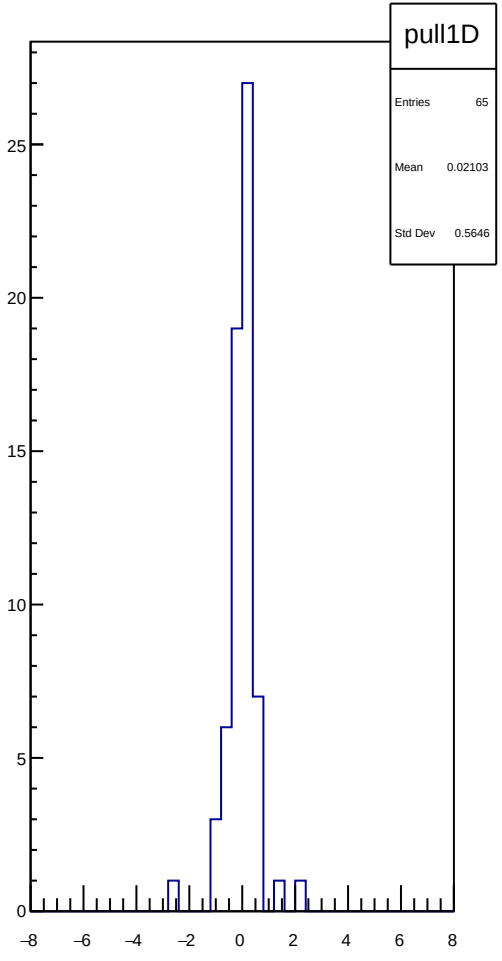

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.11 / 64
p0 −81.39 ± 1.486
pull
Entries 65
Mean −10.41
Std Dev 0
pull1D
Entries 65
Mean −0.08439
Std Dev 1.161

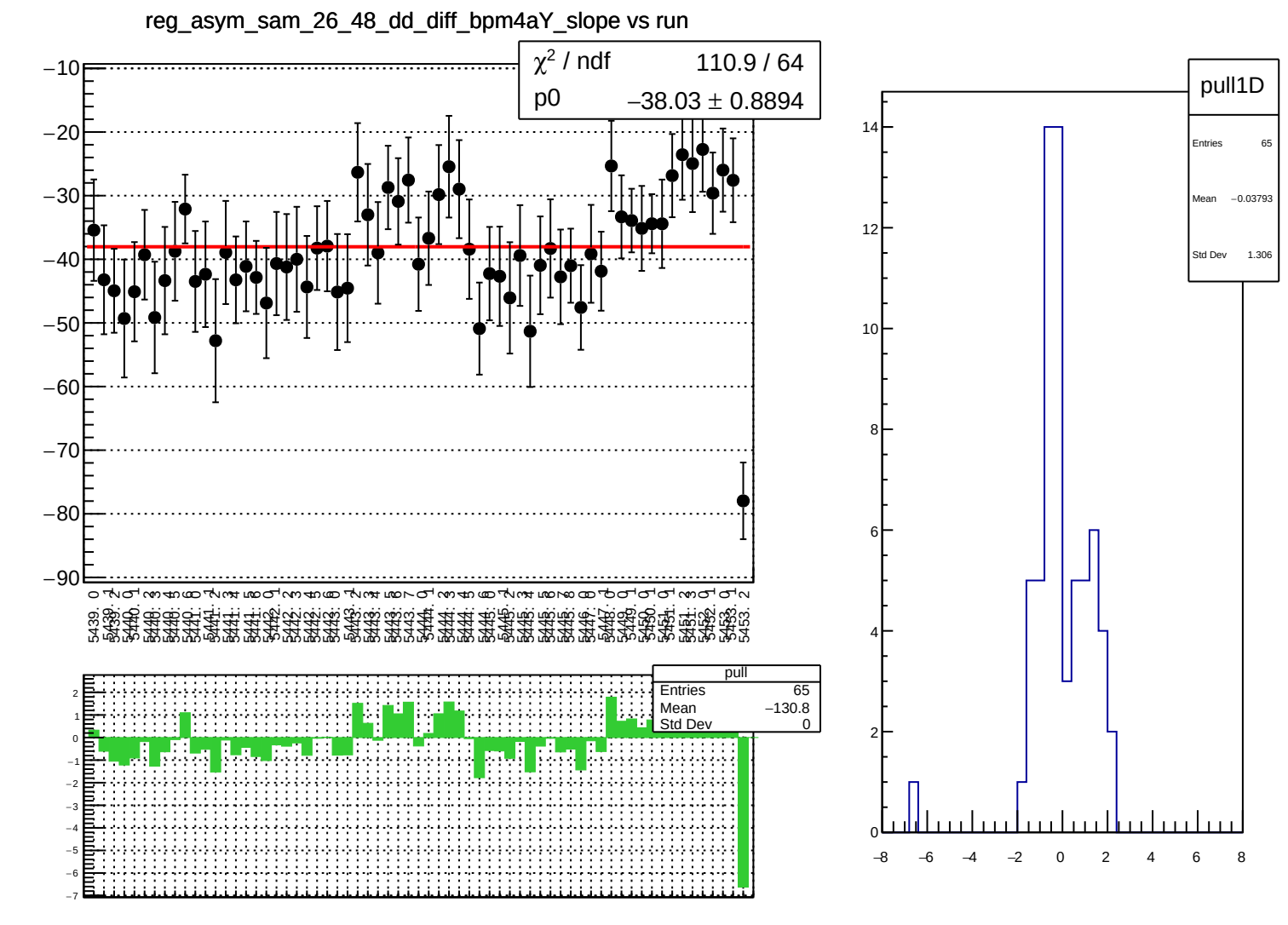

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.25 / 64
p0 −17.11± 1.976
pull
Entries 65
Mean −37.89
Std Dev 0

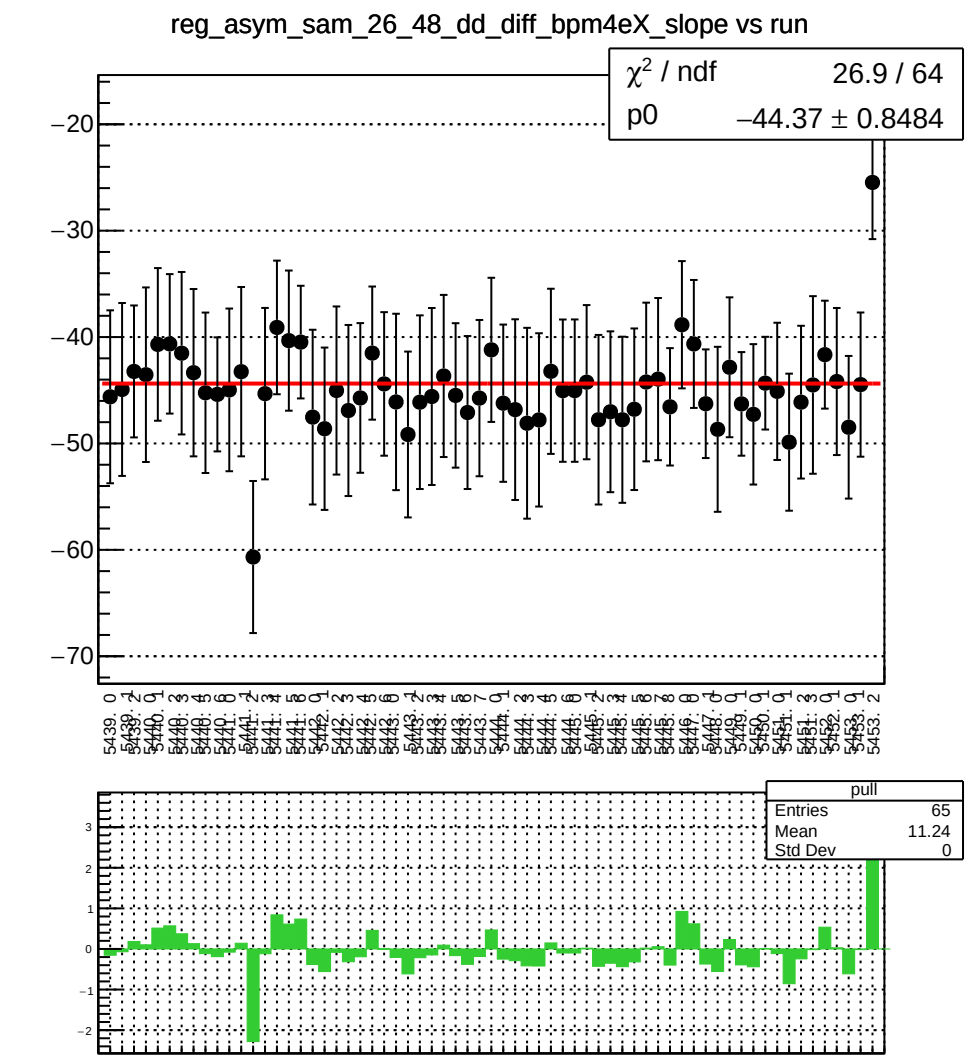

pull1D
Entries 65
Mean 0.1123
Std Dev 1.166

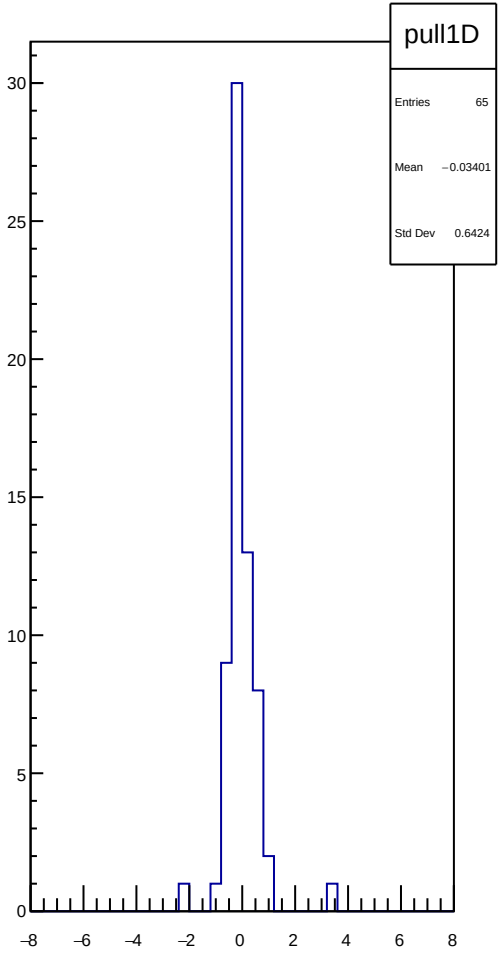

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 33.09 / 64
p0 −0.8585 ± 0.08861
pull
Entries 65
Mean −77.78
Std Dev 0
pull1D
Entries 65
Mean 0.02605
Std Dev 0.713

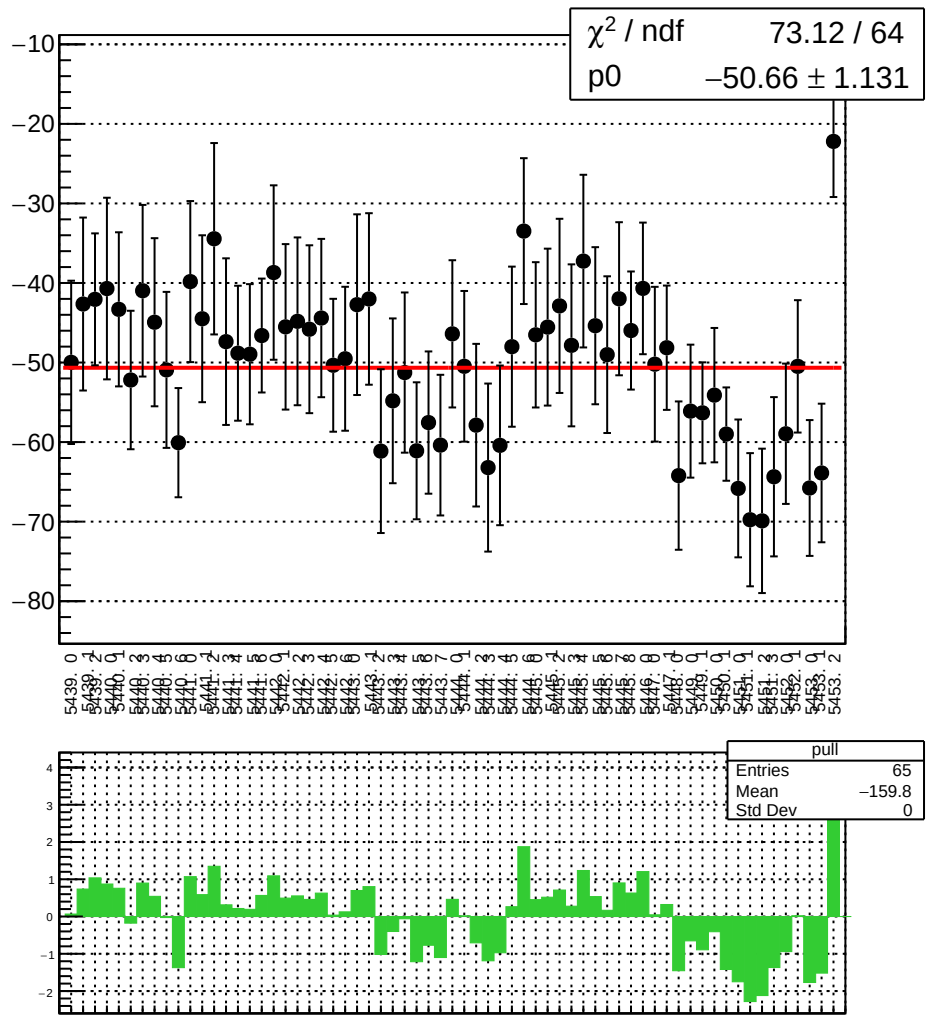

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 20.75 / 64
p0 7.323 ± 1.084
pull
Entries 65
Mean 103.5
Std Dev 0

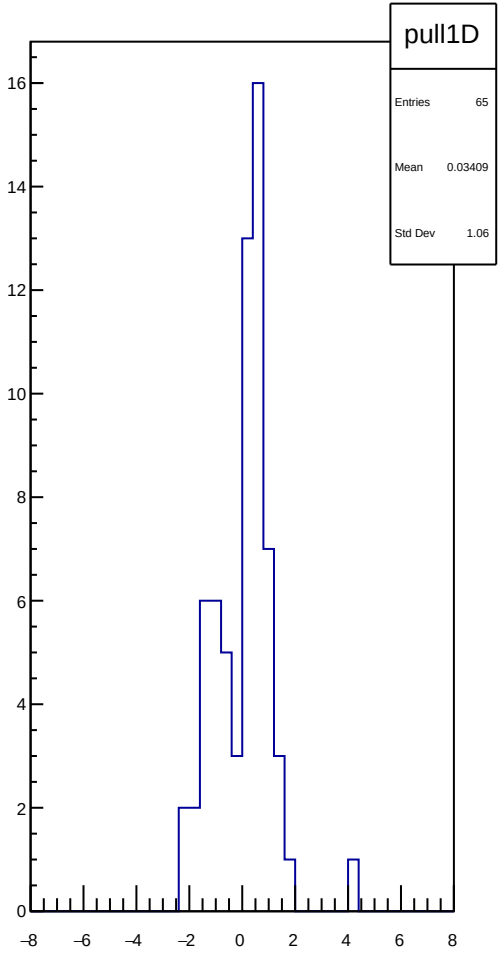

pull1D
Entries 65
Mean 0.02103
Std Dev 0.5646

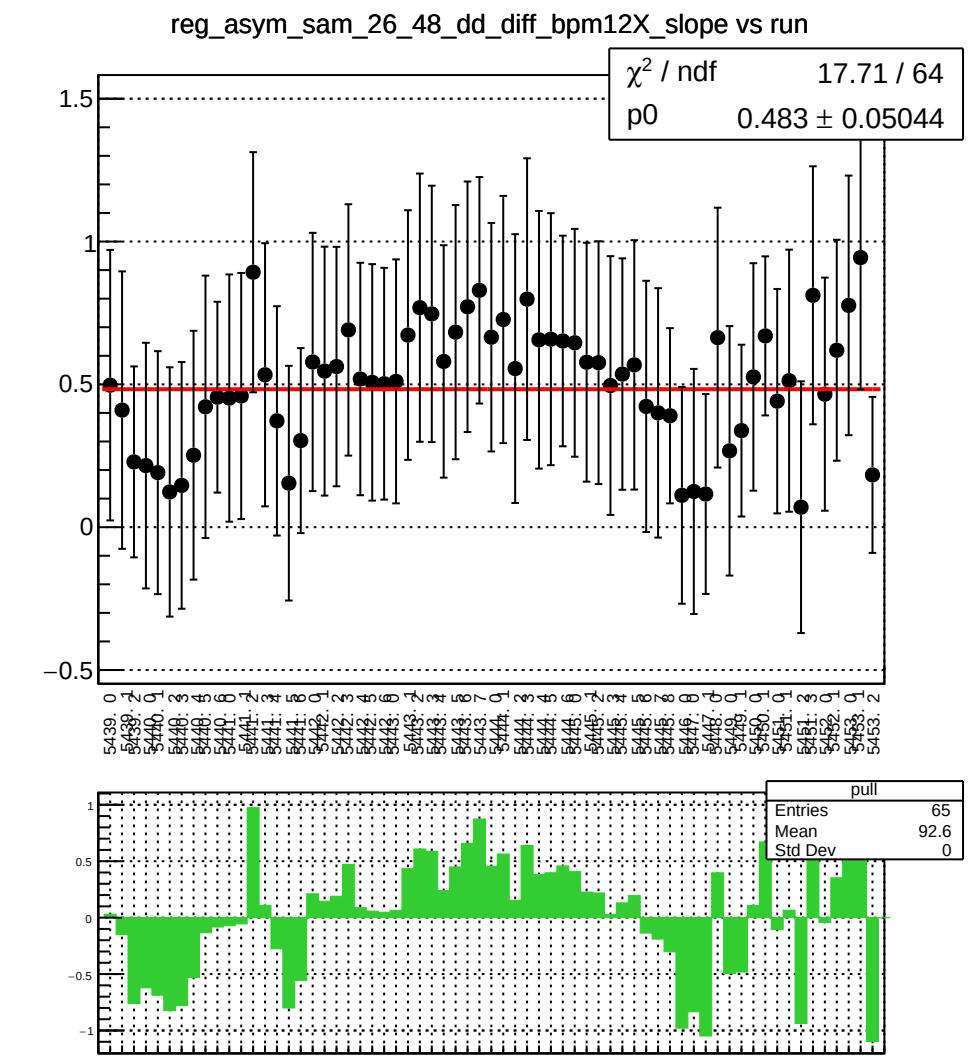

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 110.9 / 64
p0 −38.03 ± 0.8894
pull
Entries 65
Mean −130.8
Std Dev 0
pull1D
Entries 65
Mean −0.03793
Std Dev 1.306

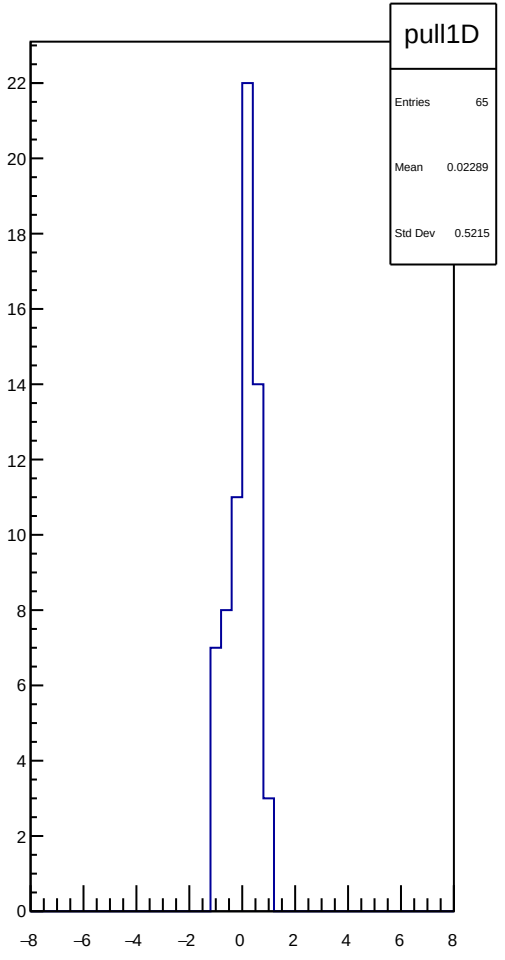

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.9 / 64
p0 −44.37 ± 0.8484
pull
Entries 65
Mean 11.24
Std Dev 0

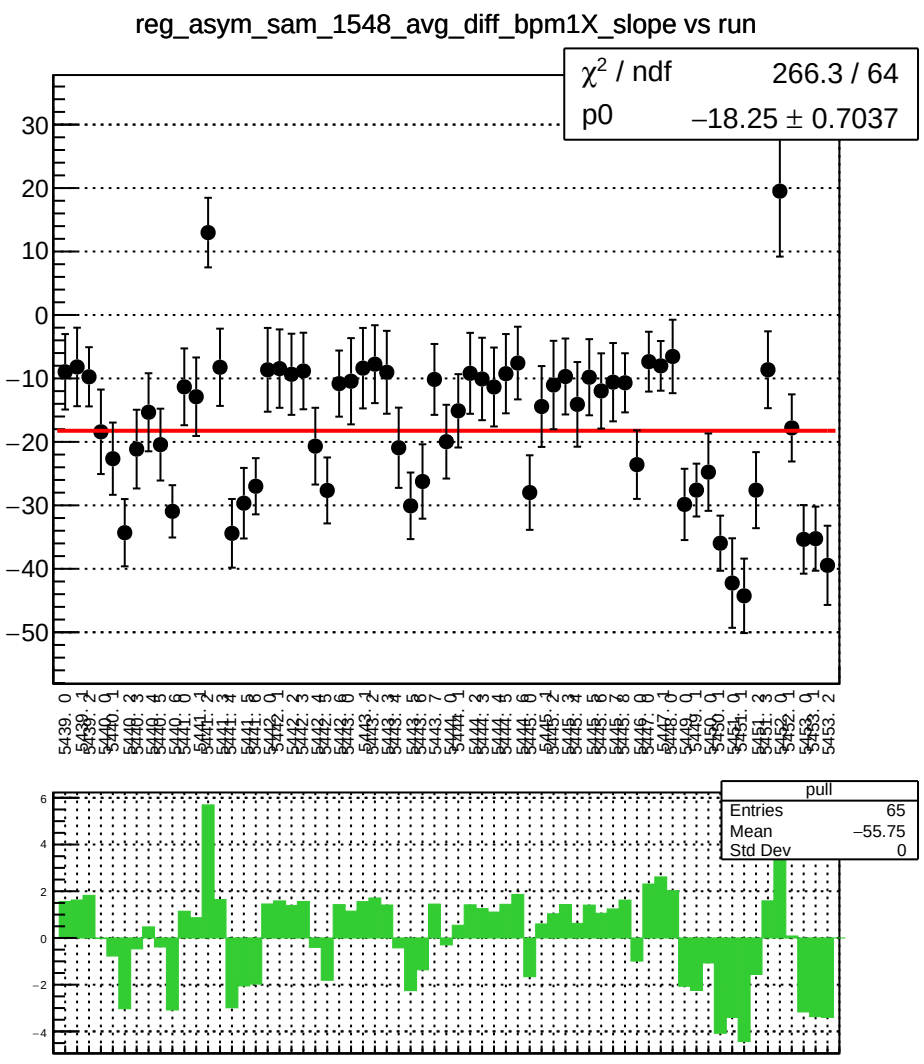

pull1D
Entries 65
Mean −0.03401
Std Dev 0.6424

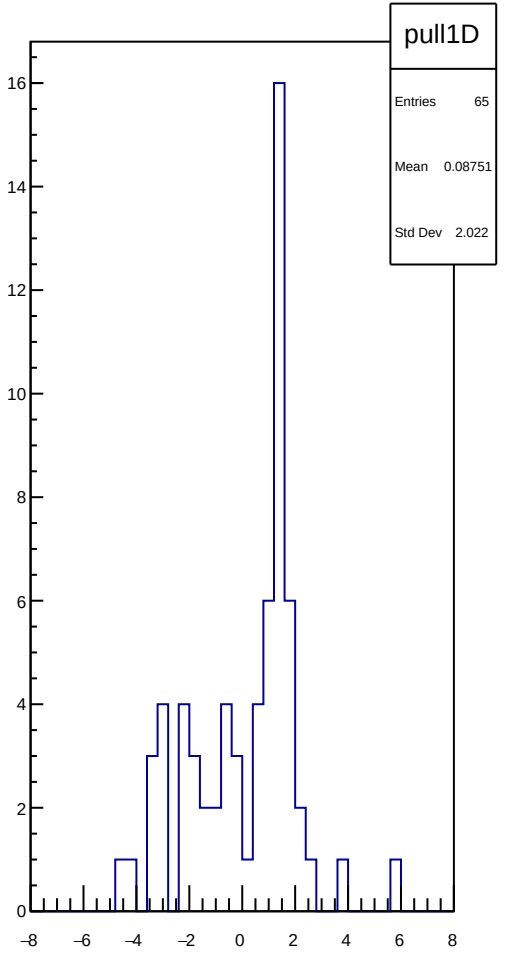

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.12 / 64
p0 −50.66 ± 1.131
pull
Entries 65
Mean −159.8
Std Dev 0

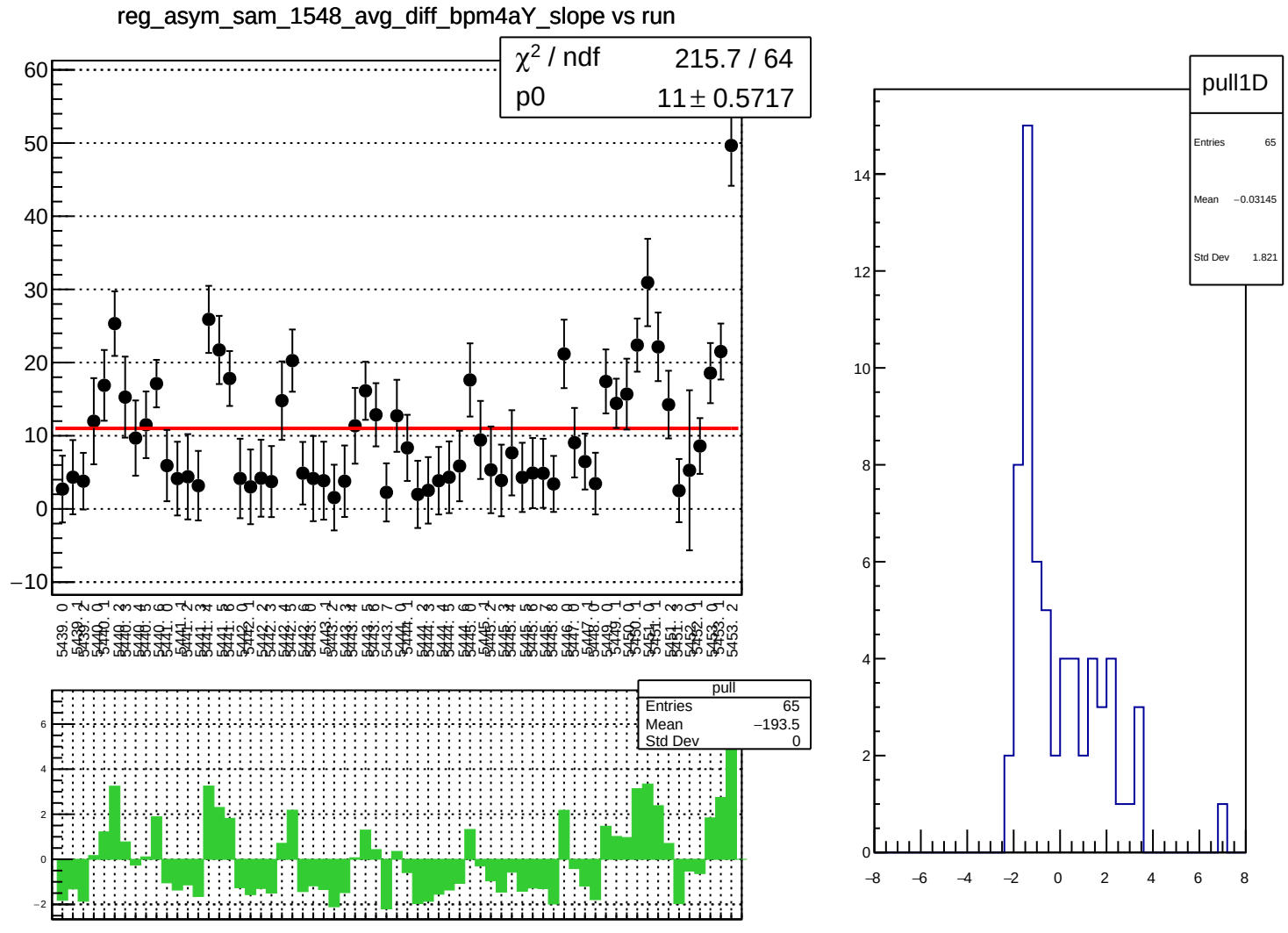

pull1D
Entries 65
Mean 0.03409
Std Dev 1.06

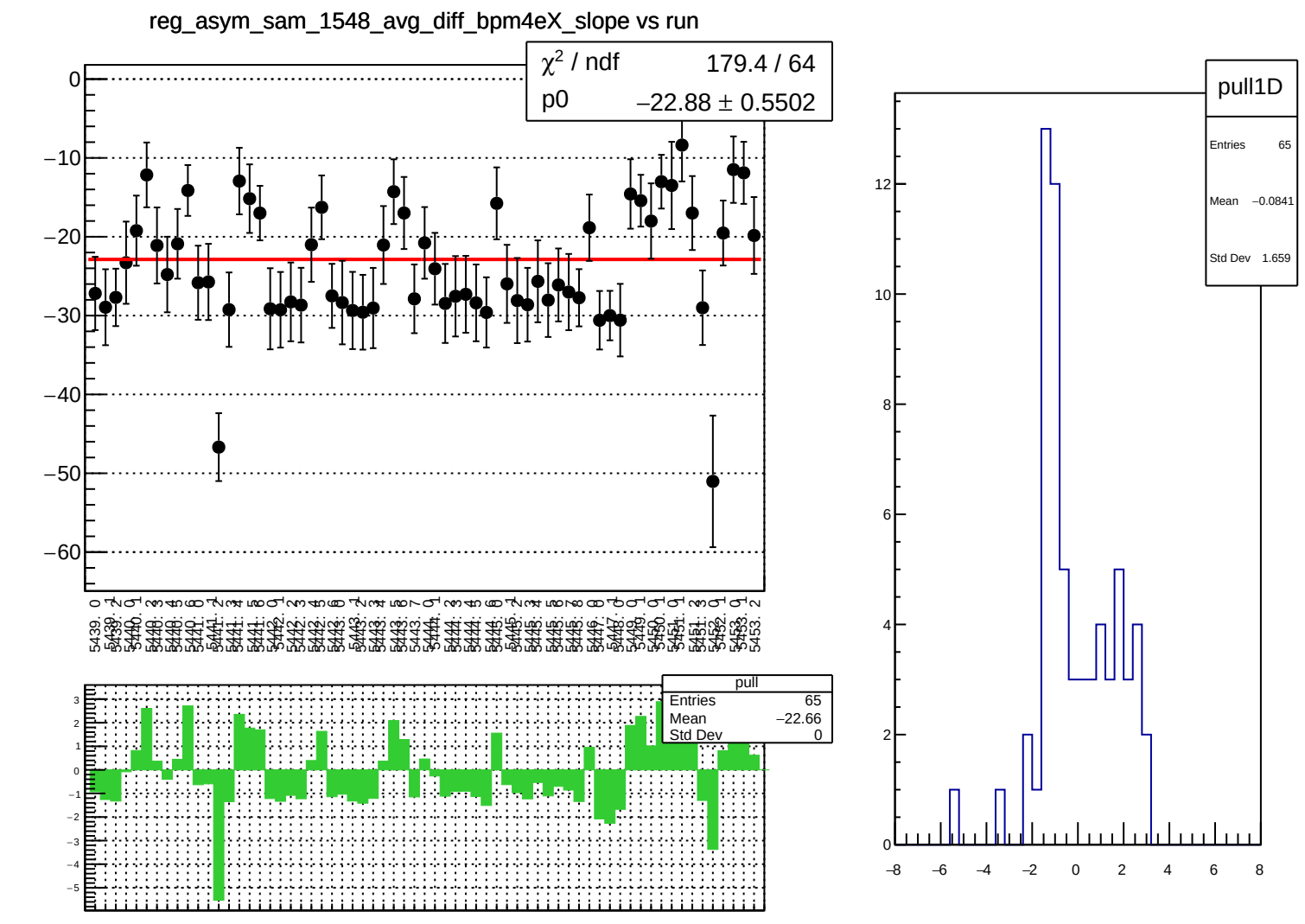

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 17.71 / 64
p0 0.483 ± 0.05044
pull
Entries 65
Mean 92.6
Std Dev 0

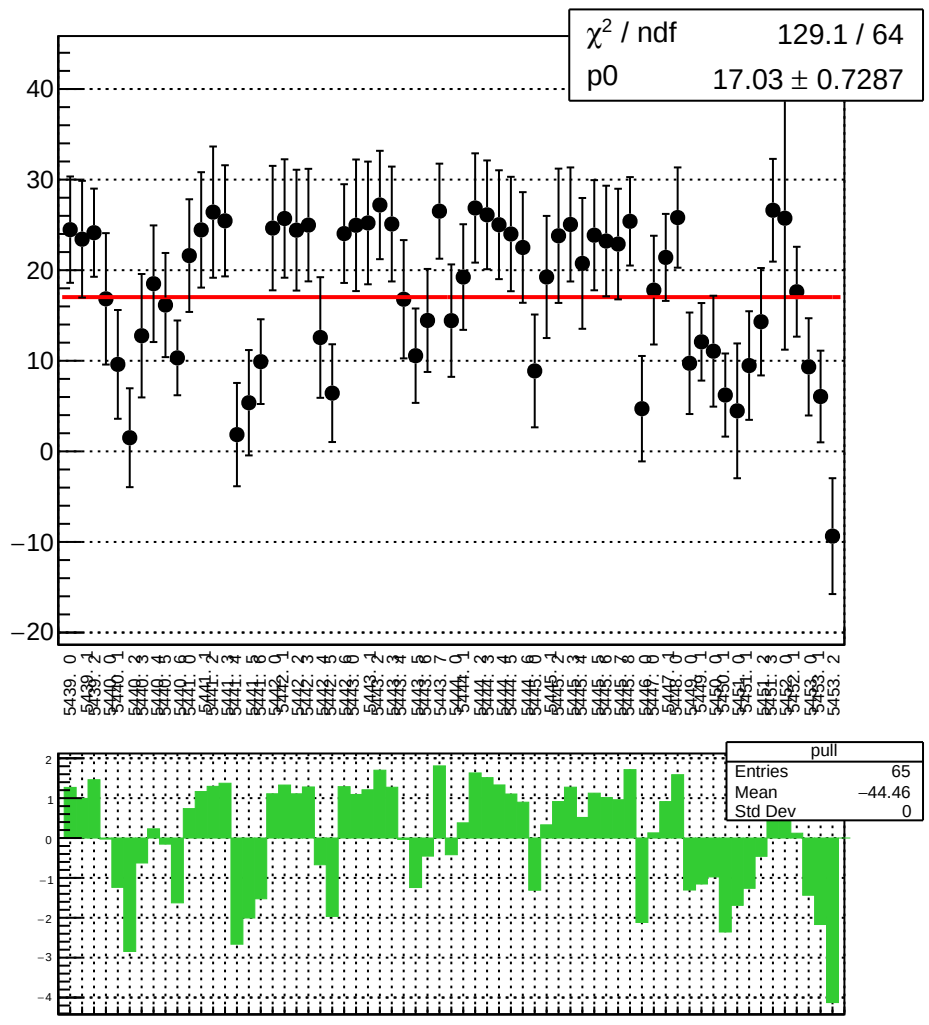

pull1D
Entries 65
Mean 0.02289
Std Dev 0.5215

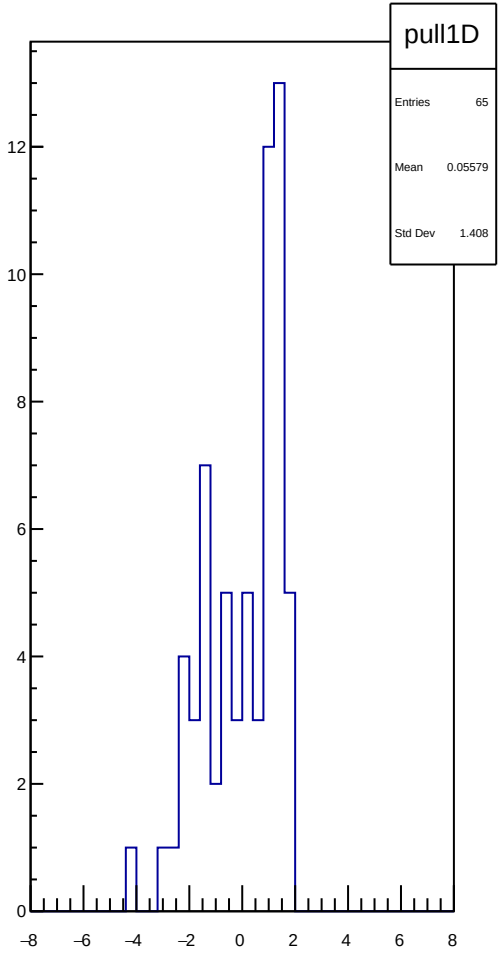

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 266.3 / 64
p0 −18.25 ± 0.7037
pull
Entries 65
Mean −55.75
Std Dev 0

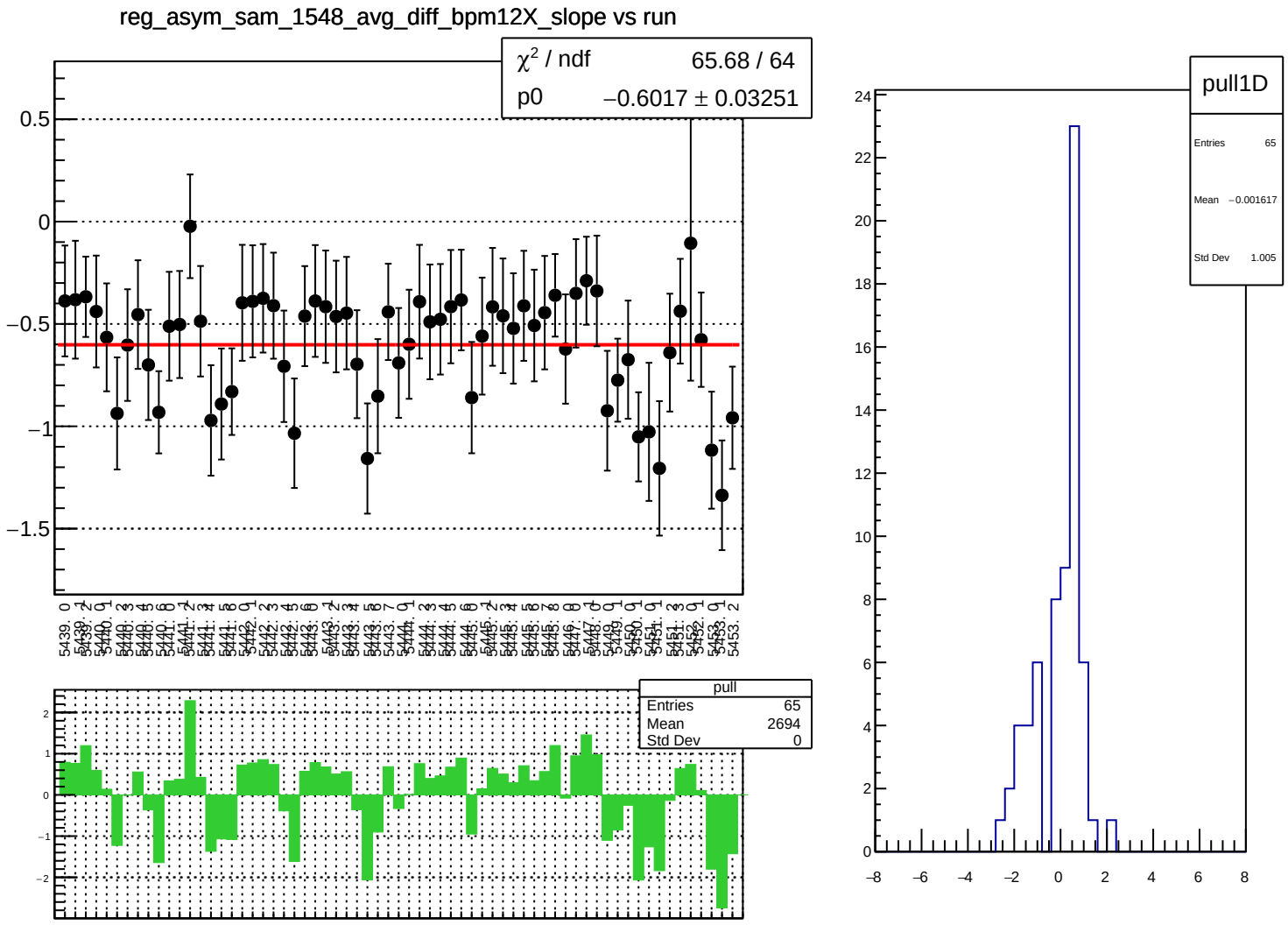

pull1D
Entries 65
Mean 0.08751
Std Dev 2.022

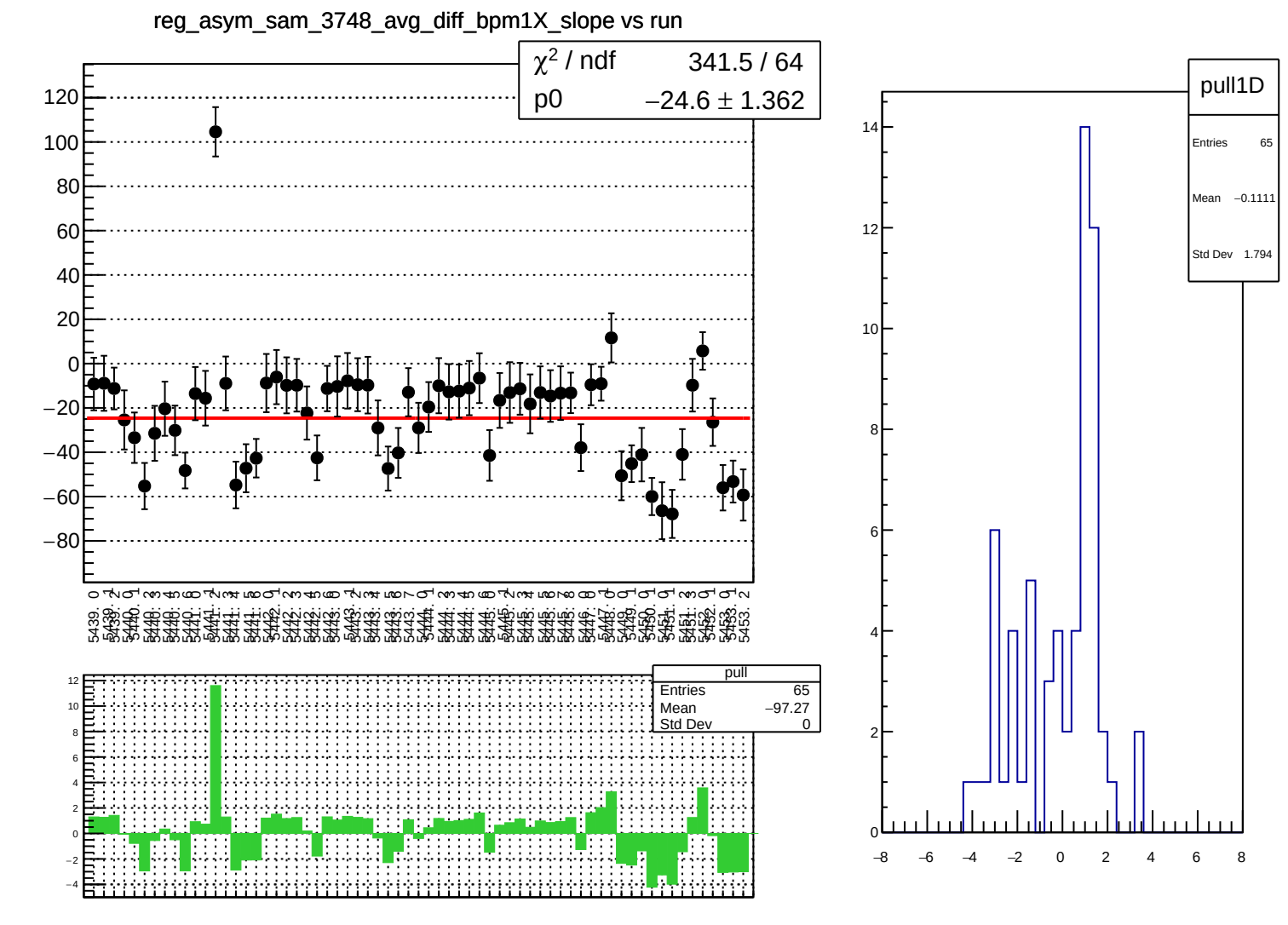

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 215.7 / 64
p0 11 ± 0.5717
pull
Entries 65
Mean −193.5
Std Dev 0
pull1D
Entries 65
Mean −0.03145
Std Dev 1.821

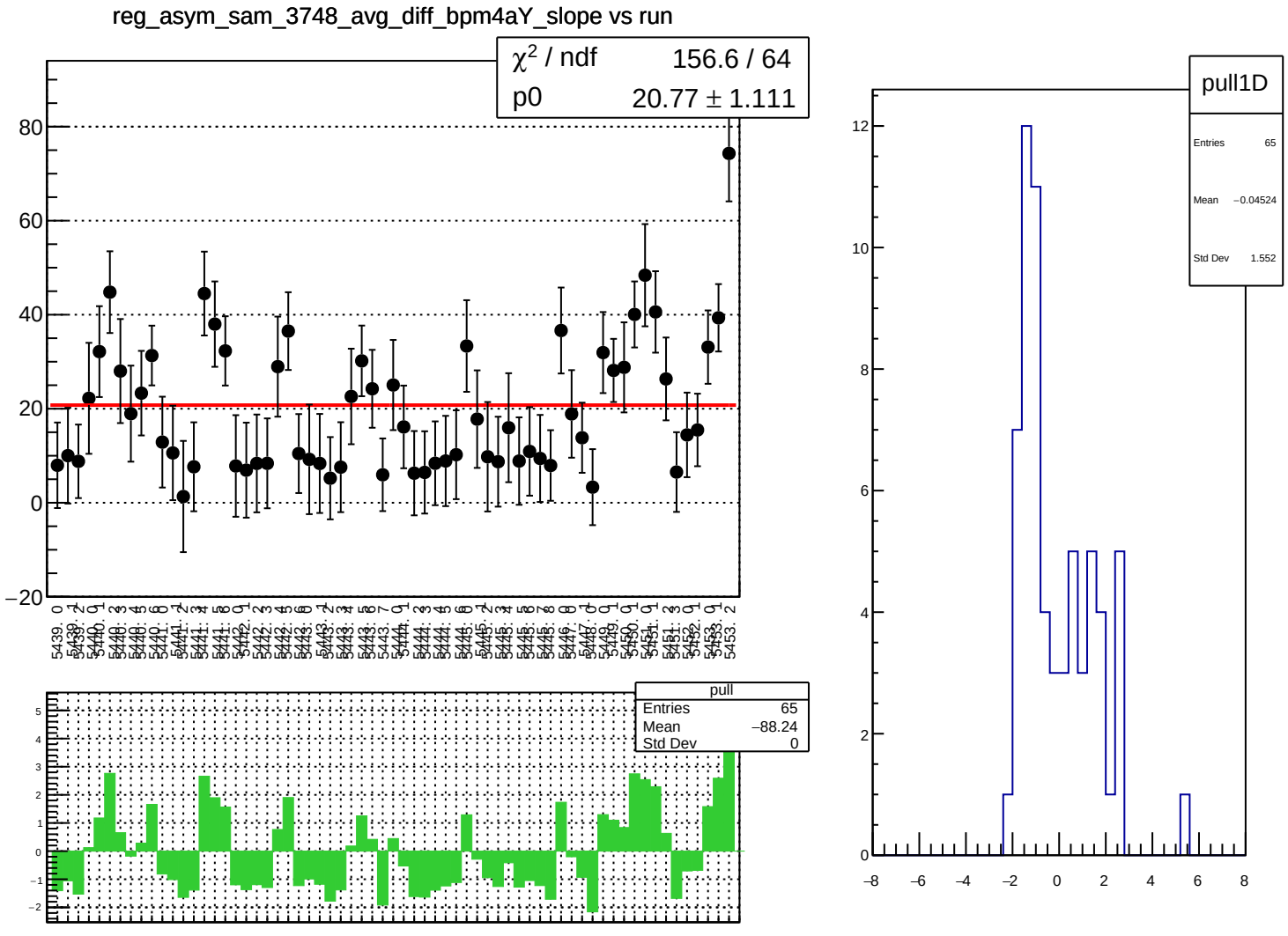

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 179.4 / 64
p0 −22.88 ± 0.5502
pull
Entries 65
Mean −22.66
Std Dev 0
pull1D
Entries 65
Mean −0.0841
Std Dev 1.659

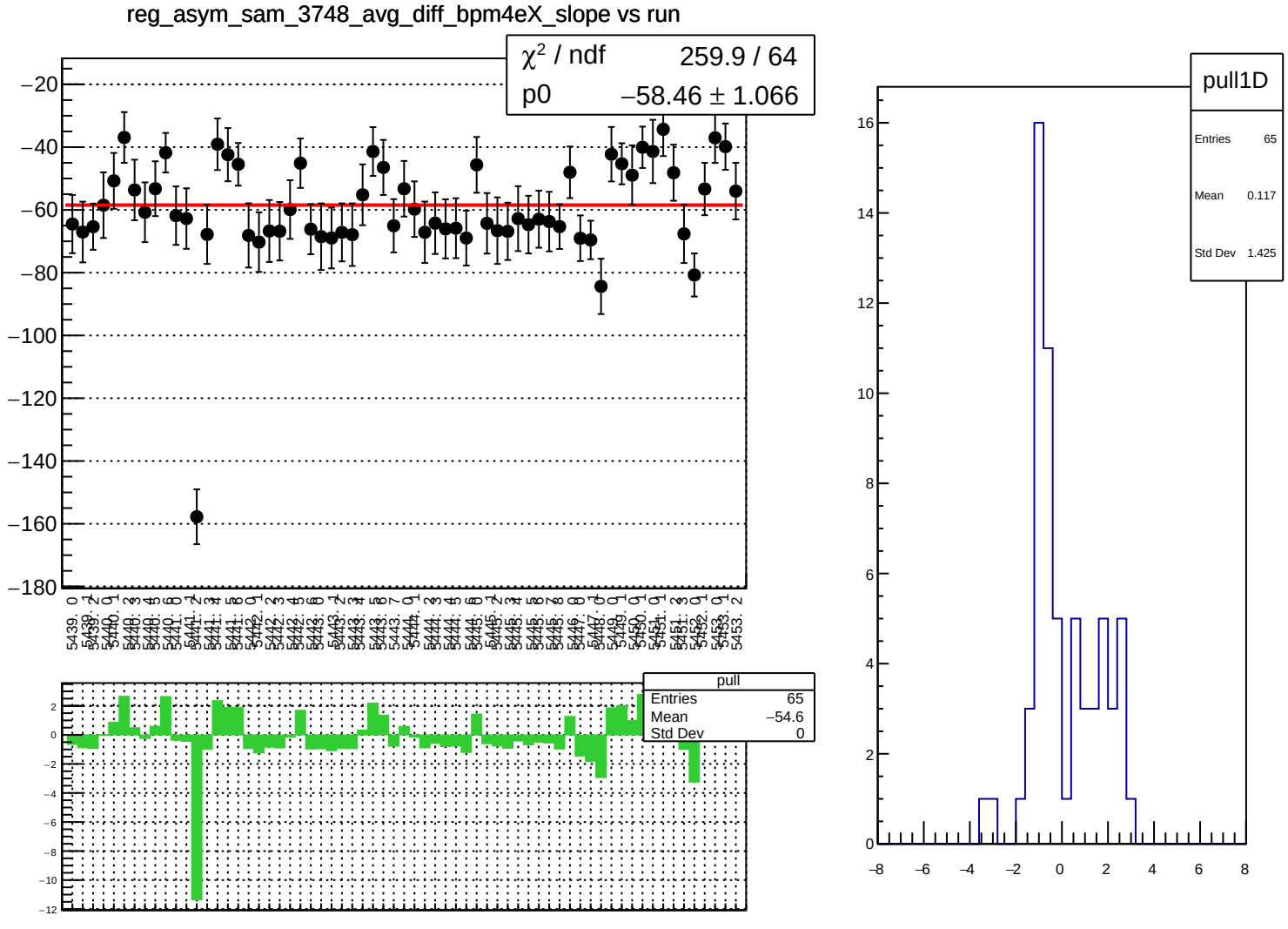

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 129.1 / 64
p0 17.03 ± 0.7287
pull
Entries 65
Mean −44.46
Std Dev 0

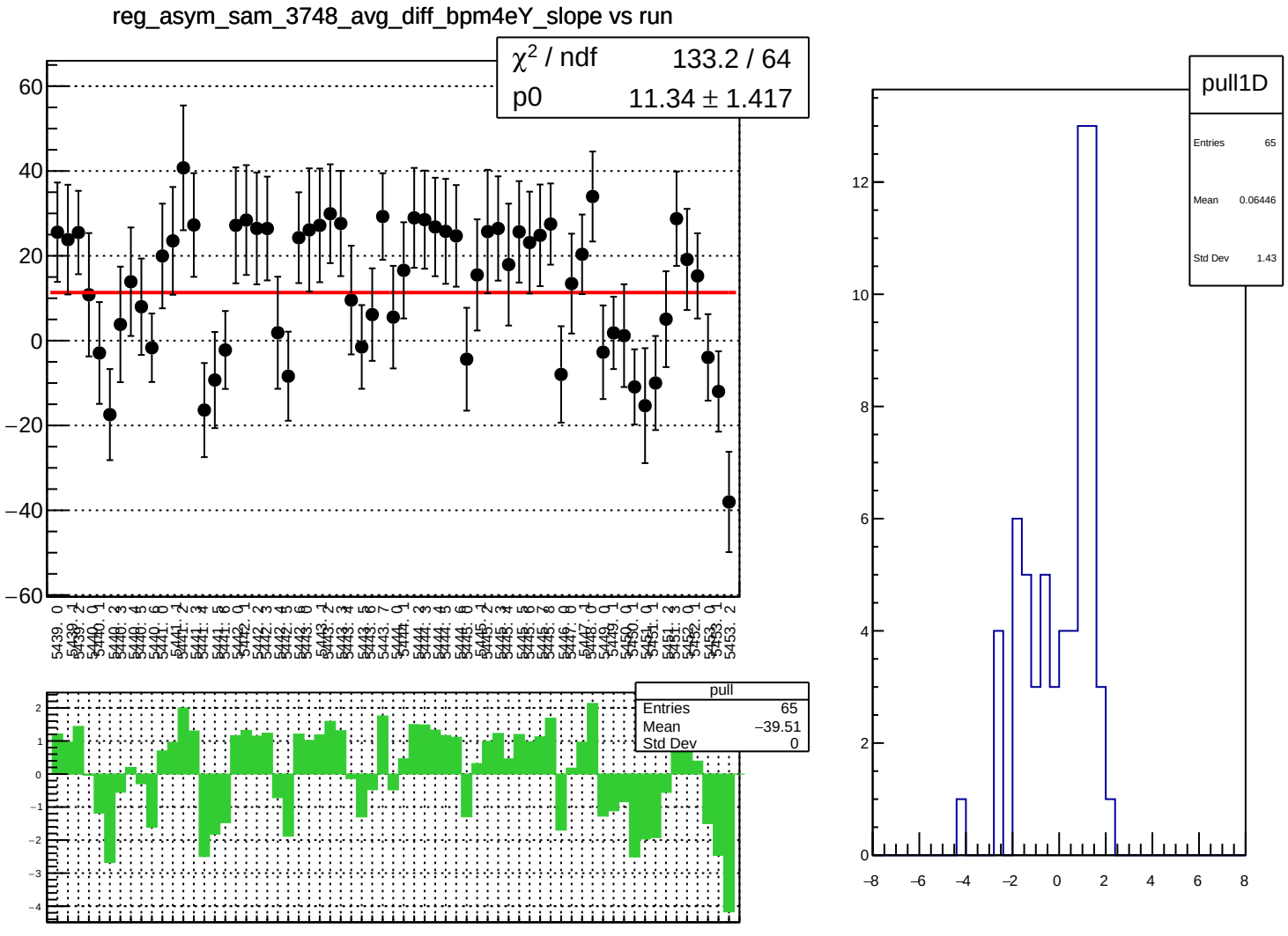

pull1D
Entries 65
Mean 0.05579
Std Dev 1.408

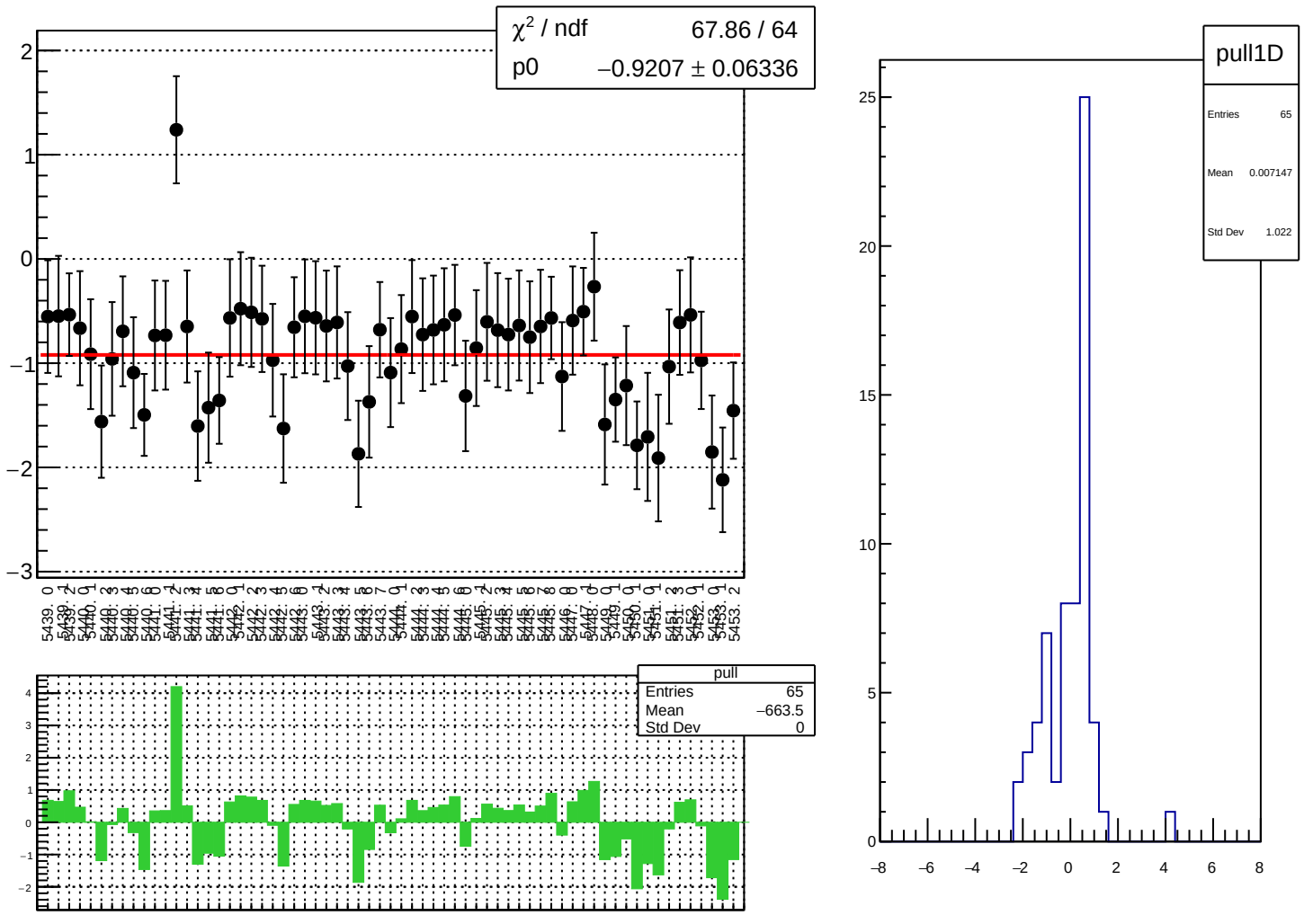

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 65.68 / 64
p0 −0.6017 ± 0.03251
pull
Entries 65
Mean 2694
Std Dev 0
pull1D
Entries 65
Mean −0.001617
Std Dev 1.005

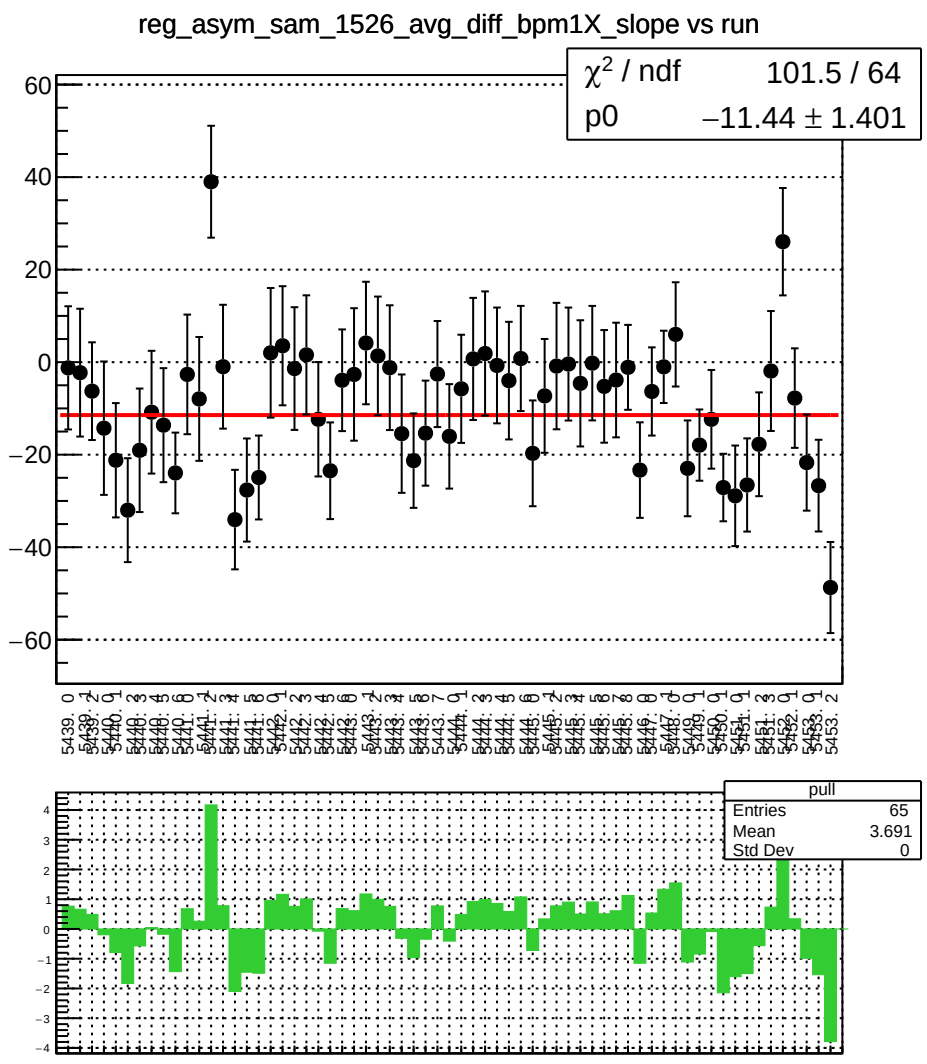

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 341.5 / 64
p0 −24.6 ± 1.362
pull
Entries 65
Mean −97.27
Std Dev 0
pull1D
Entries 65
Mean −0.1111
Std Dev 1.794

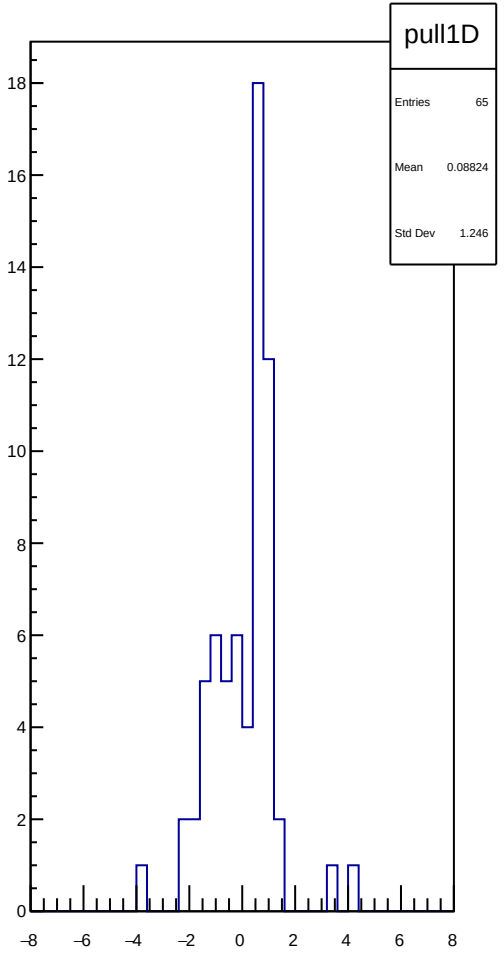

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 156.6 / 64
p0 20.77 ± 1.111
pull
Entries 65
Mean −88.24
Std Dev 0
pull1D
Entries 65
Mean −0.04524
Std Dev 1.552

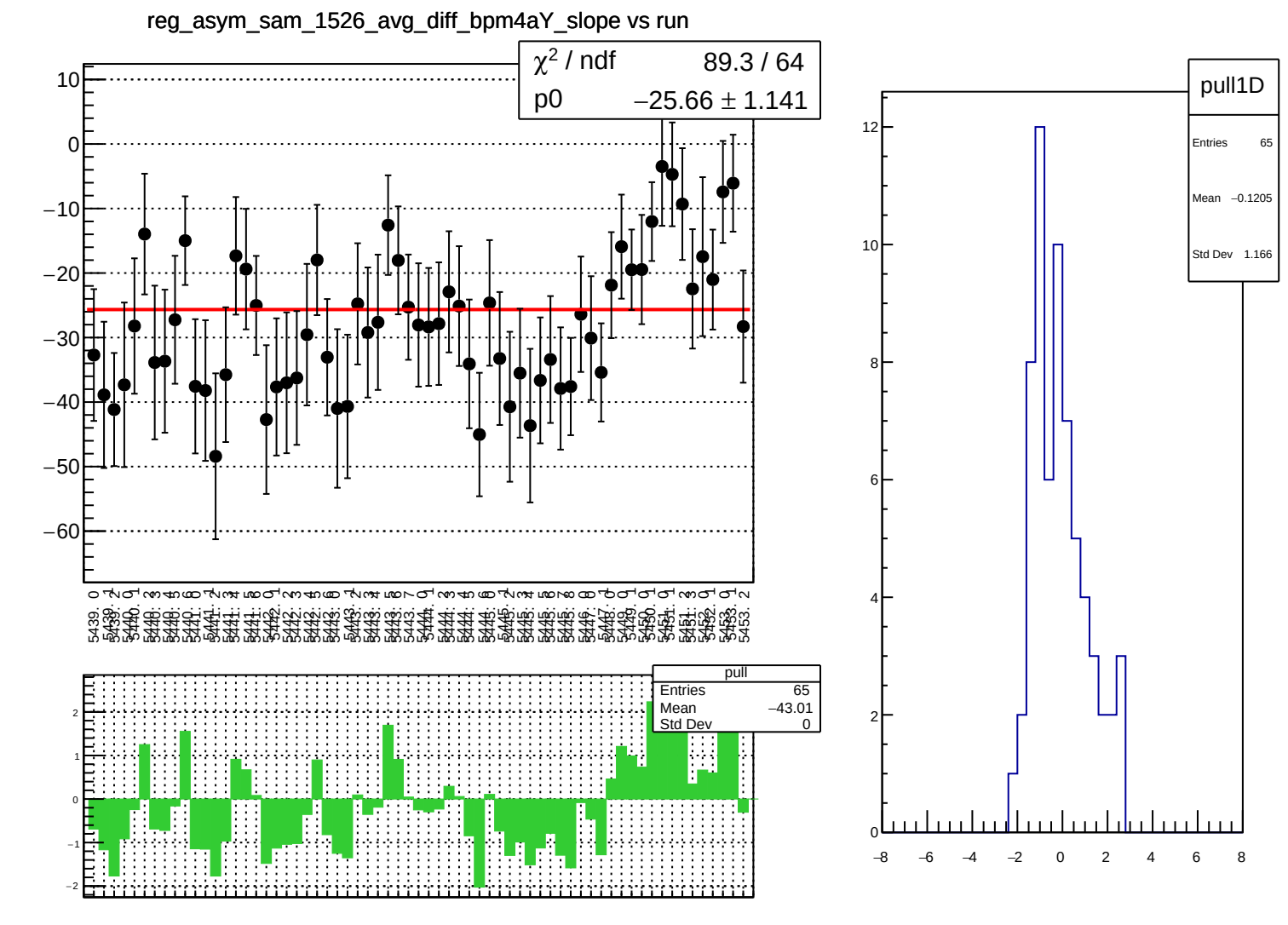

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 259.9 / 64
p0 −58.46 ± 1.066
pull
Entries 65
Mean −54.6
Std Dev 0
pull1D
Entries 65
Mean 0.117
Std Dev 1.425

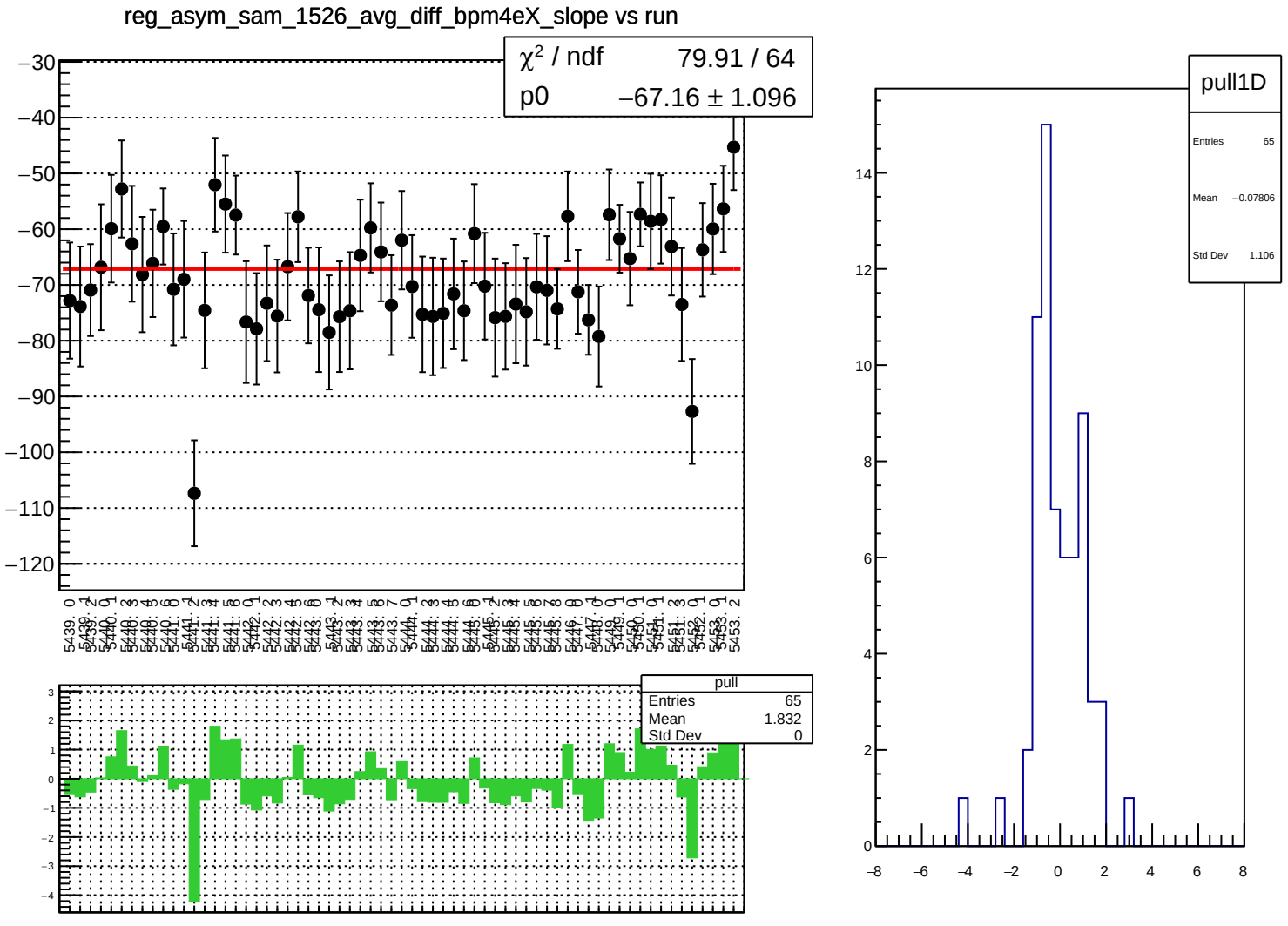

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 133.2 / 64
p0 11.34 ± 1.417
pull
Entries 65
Mean −39.51
Std Dev 0
pull1D
Entries 65
Mean 0.06446
Std Dev 1.43

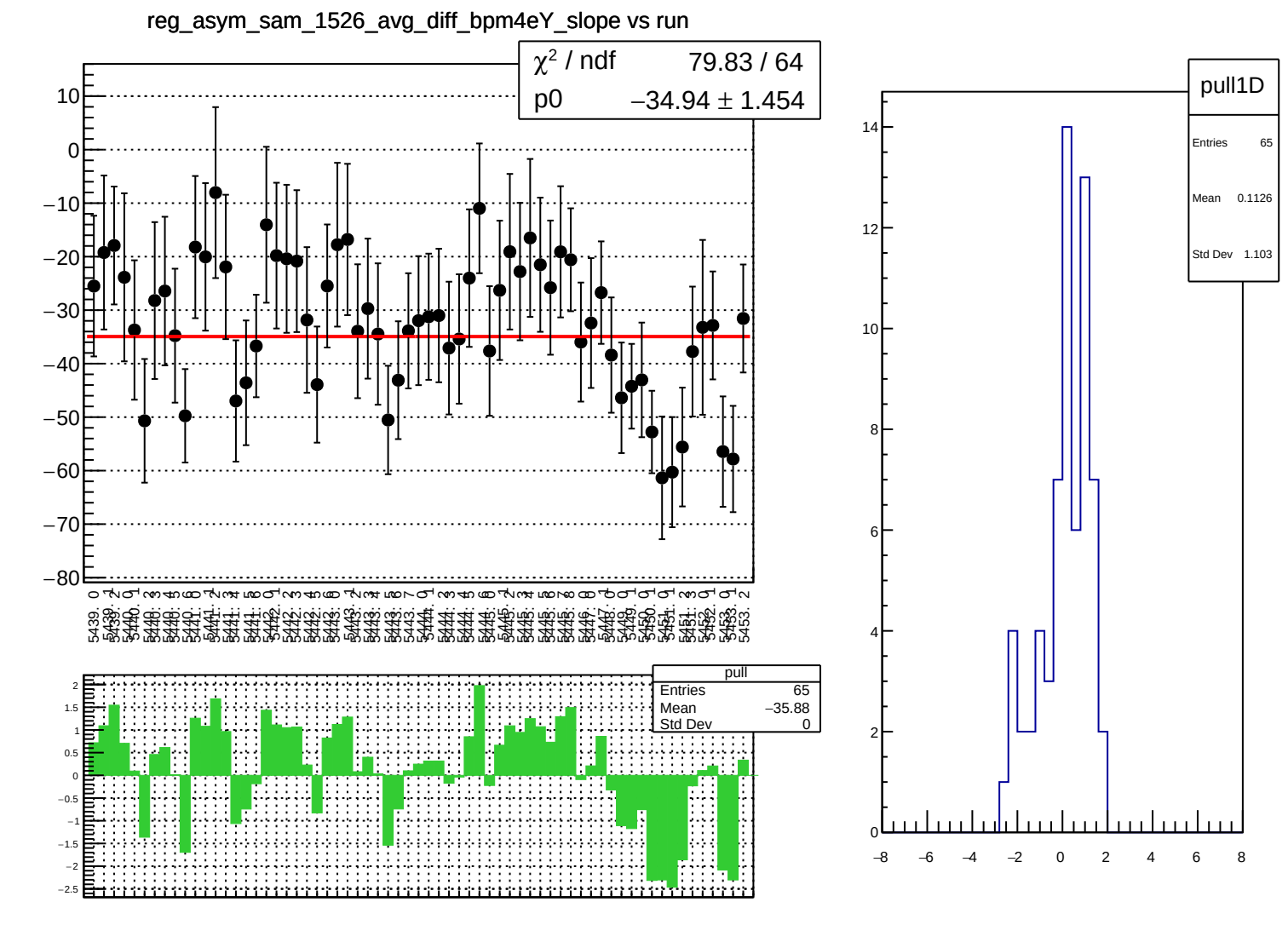

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 67.86 / 64
p0 −0.9207 ± 0.06336
pull
Entries 65
Mean −663.5
Std Dev 0
pull1D
Entries 65
Mean 0.007147
Std Dev 1.022

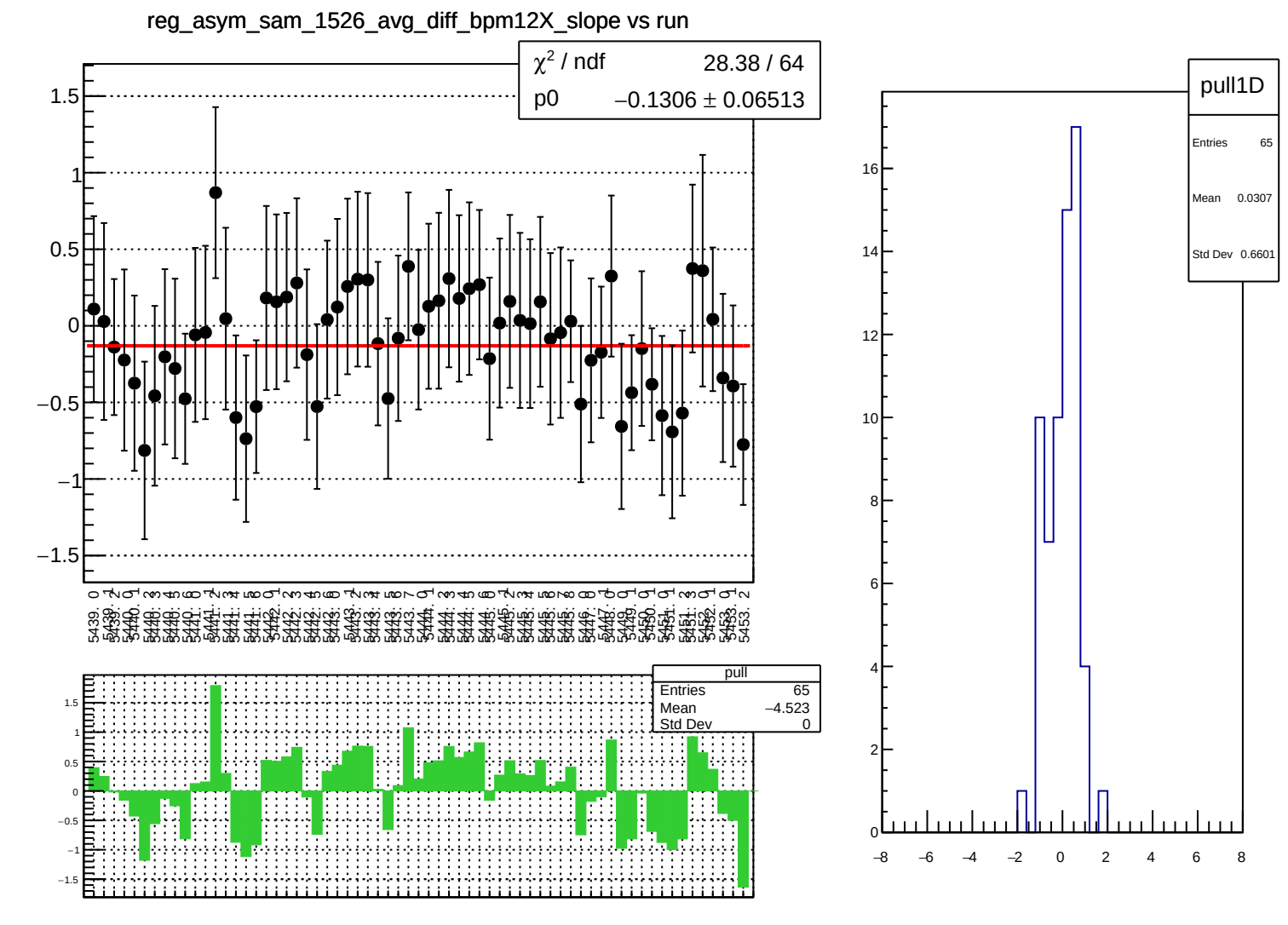

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 101.5 / 64
p0 −11.44 ± 1.401
pull
Entries 65
Mean 3.691
Std Dev 0

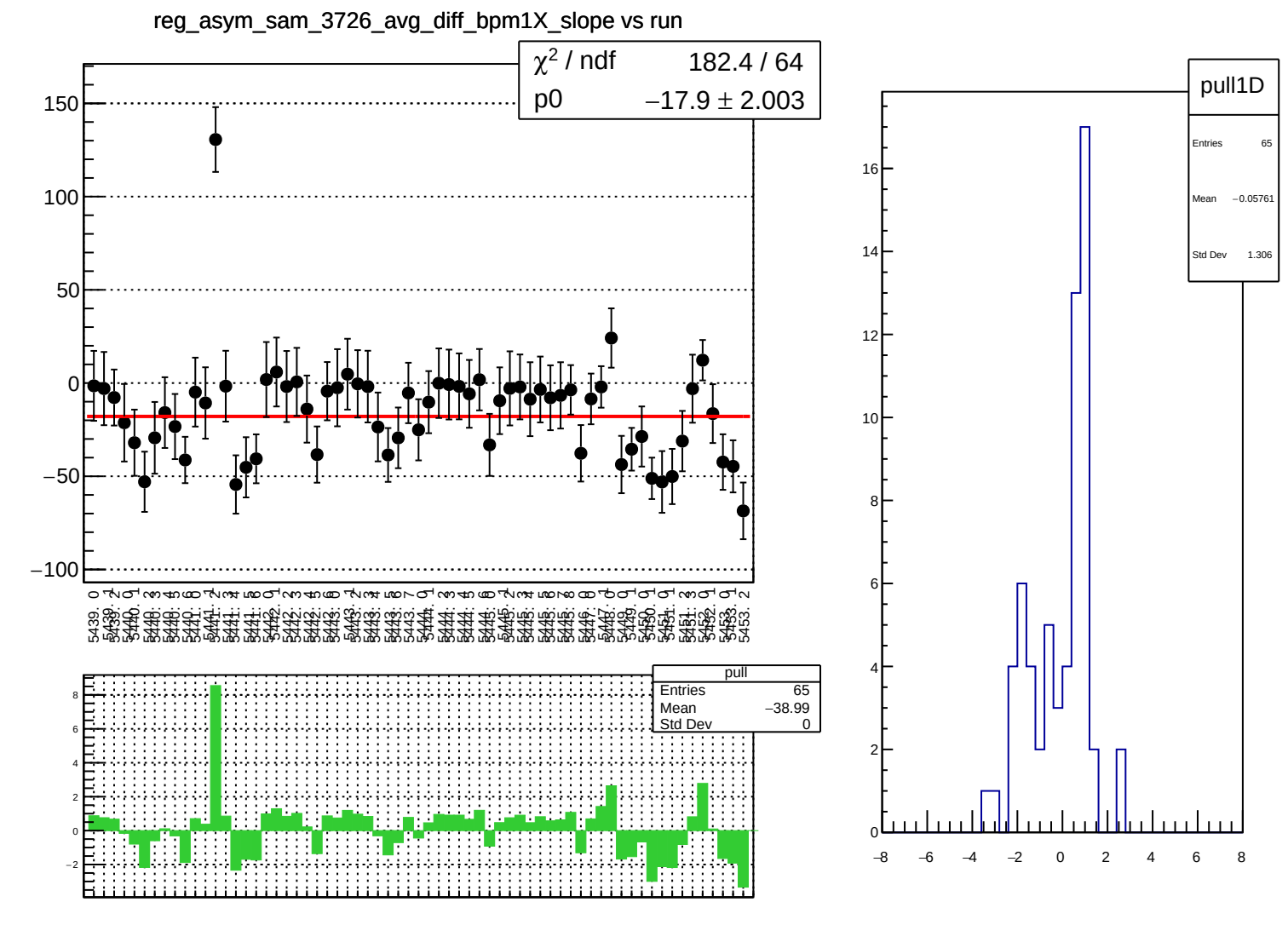

pull1D
Entries 65
Mean 0.08824
Std Dev 1.246

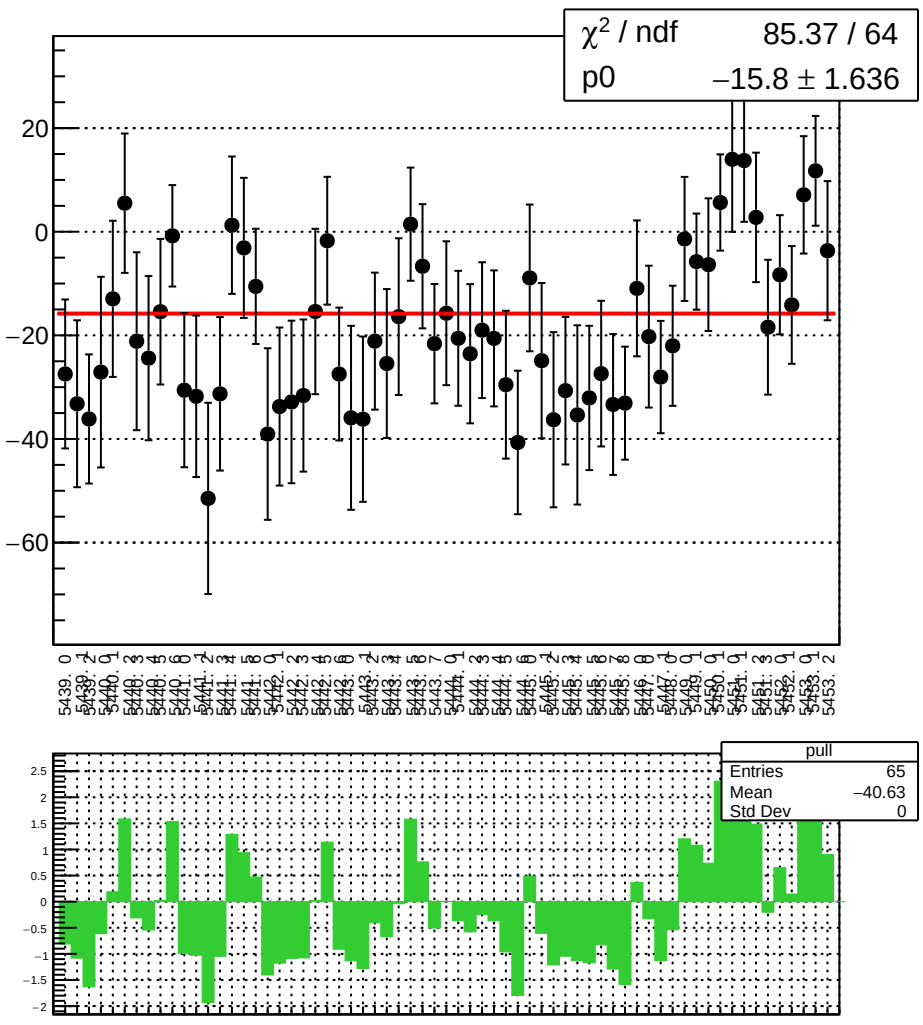

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.3 / 64
p0 −25.66 ± 1.141
pull
Entries 65
Mean −43.01
Std Dev 0
pull1D
Entries 65
Mean −0.1205
Std Dev 1.166

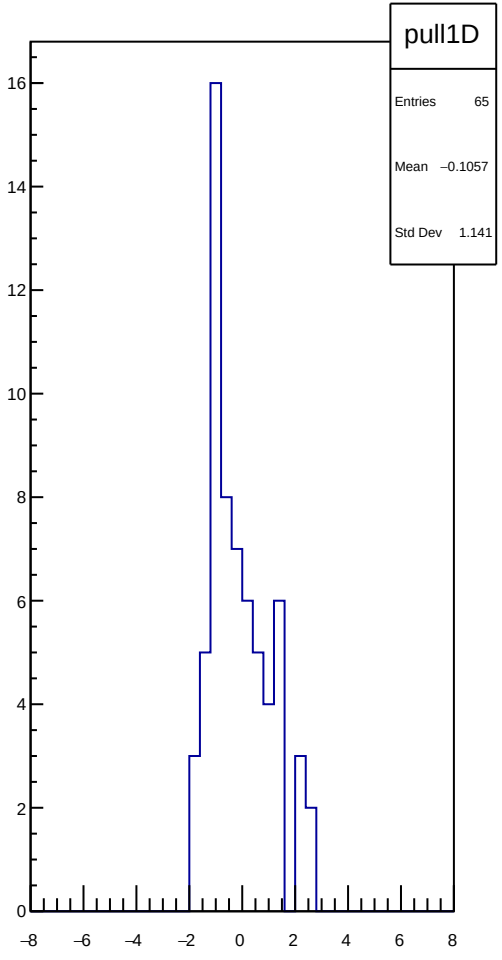

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.91 / 64
p0 −67.16 ± 1.096
pull
Entries 65
Mean 1.832
Std Dev 0
pull1D
Entries 65
Mean −0.07806
Std Dev 1.106

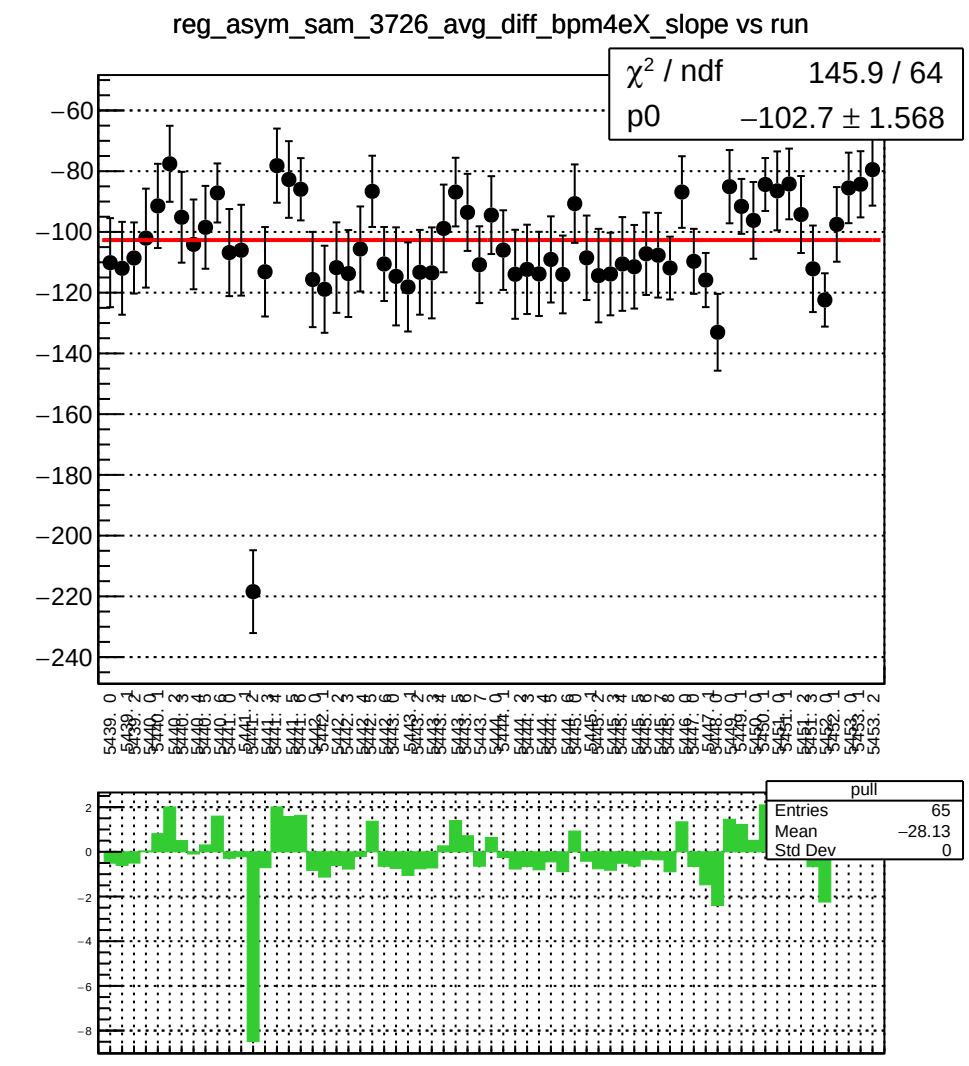

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.83 / 64
p0 −34.94 ± 1.454
pull
Entries 65
Mean −35.88
Std Dev 0
pull1D
Entries 65
Mean 0.1126
Std Dev 1.103

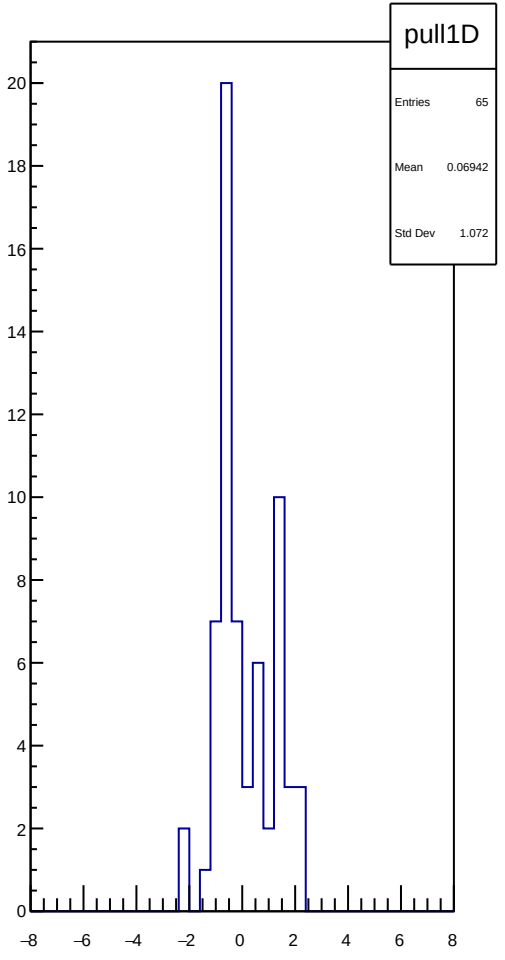

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 28.38 / 64
p0 −0.1306 ± 0.06513
pull
Entries 65
Mean −4.523
Std Dev 0
pull1D
Entries 65
Mean 0.0307
Std Dev 0.6601

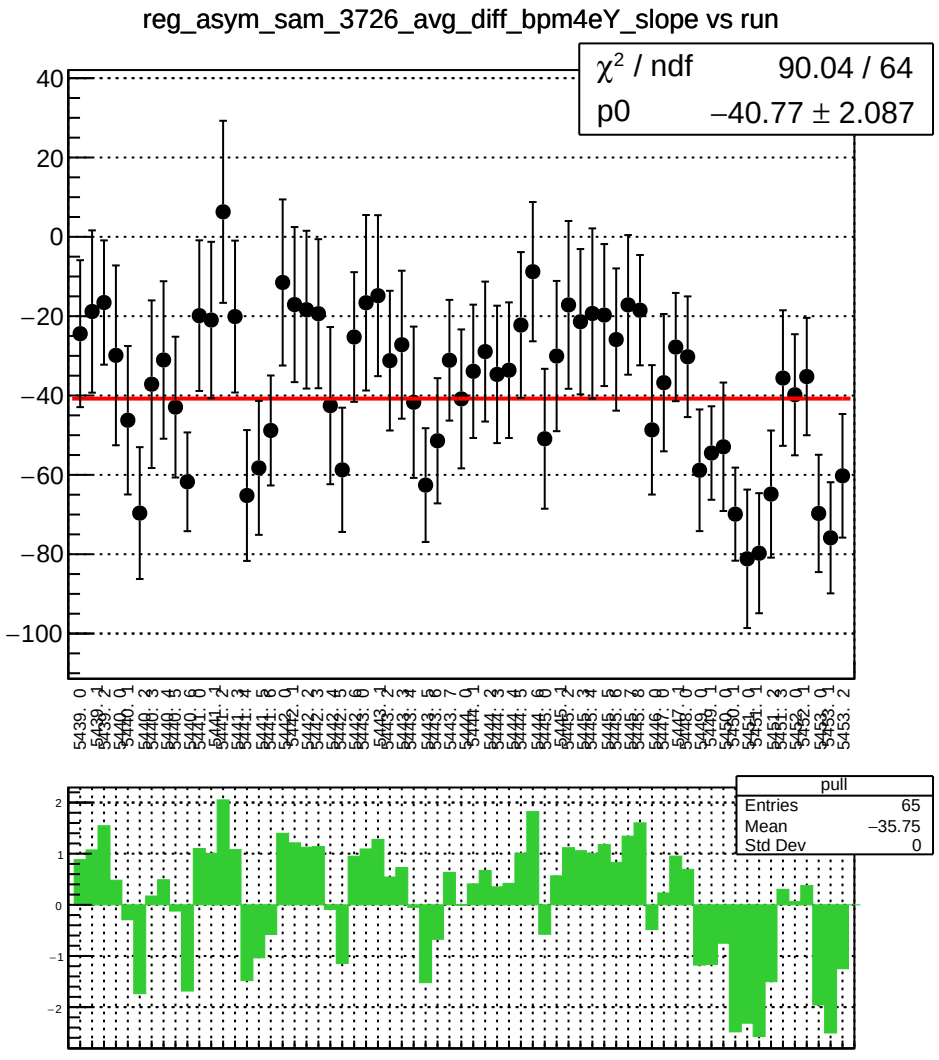

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 182.4 / 64
p0 −17.9 ± 2.003
pull
Entries 65
Mean −38.99
Std Dev 0
pull1D
Entries 65
Mean −0.05761
Std Dev 1.306

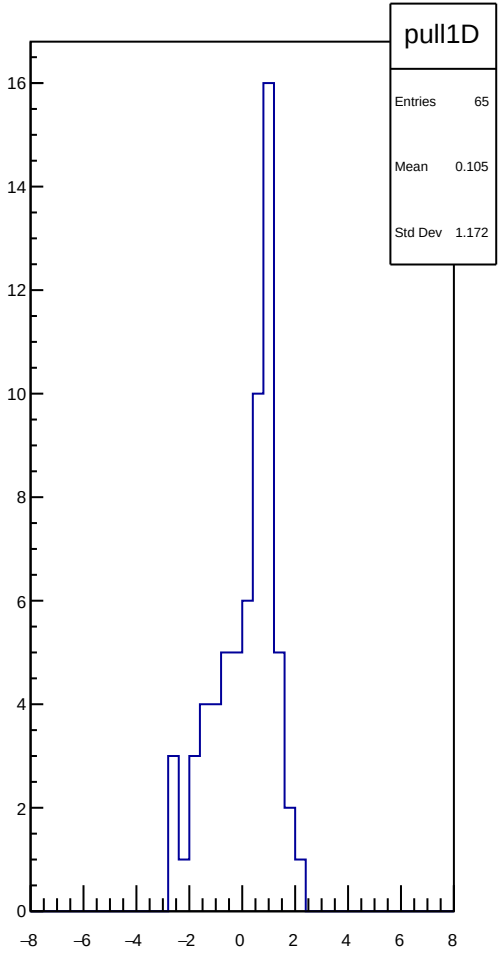

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 85.37 / 64
p0 −15.8 ± 1.636
pull
Entries 65
Mean −40.63
Std Dev 0

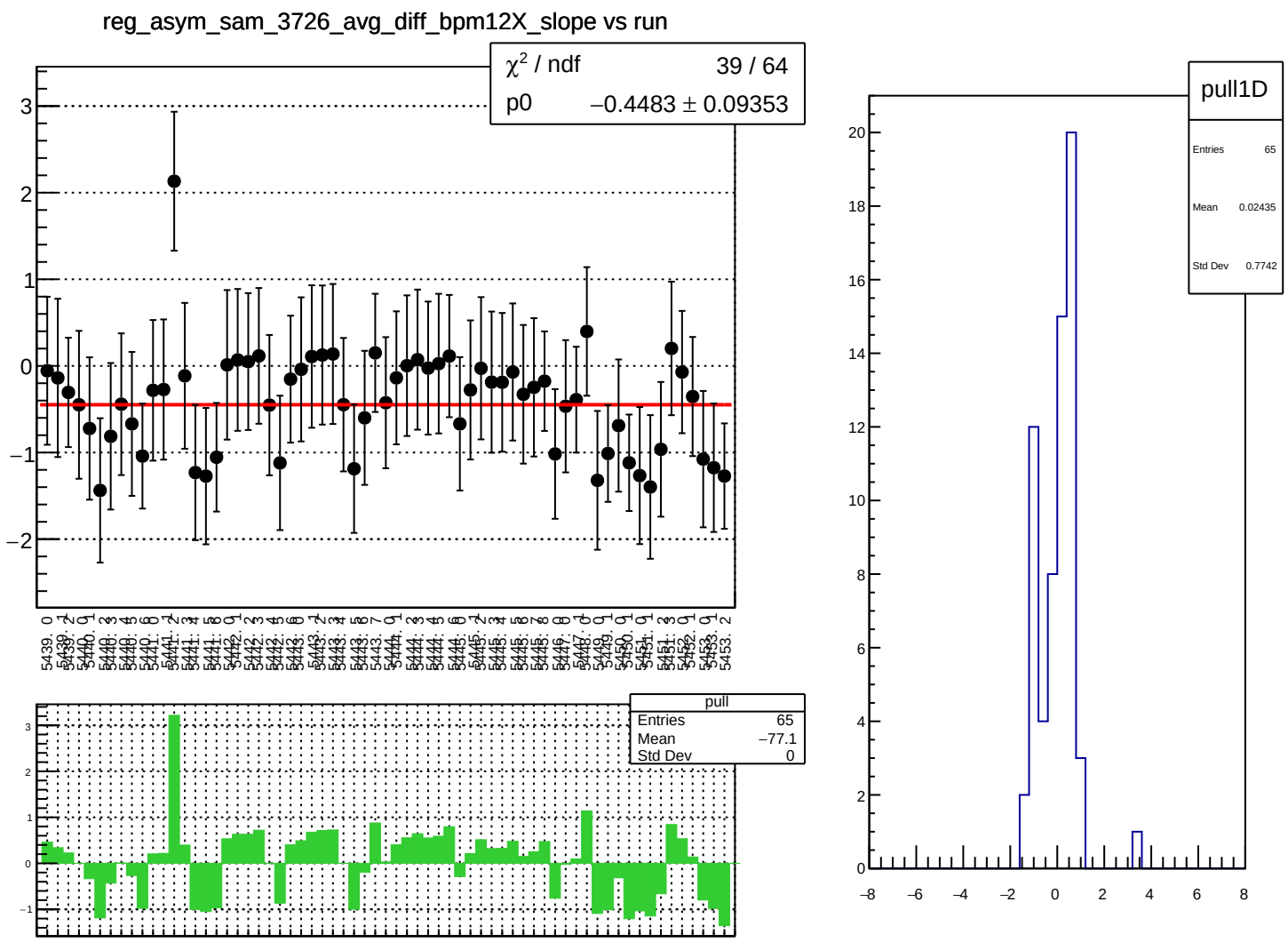

pull1D
Entries 65
Mean −0.1057
Std Dev 1.141

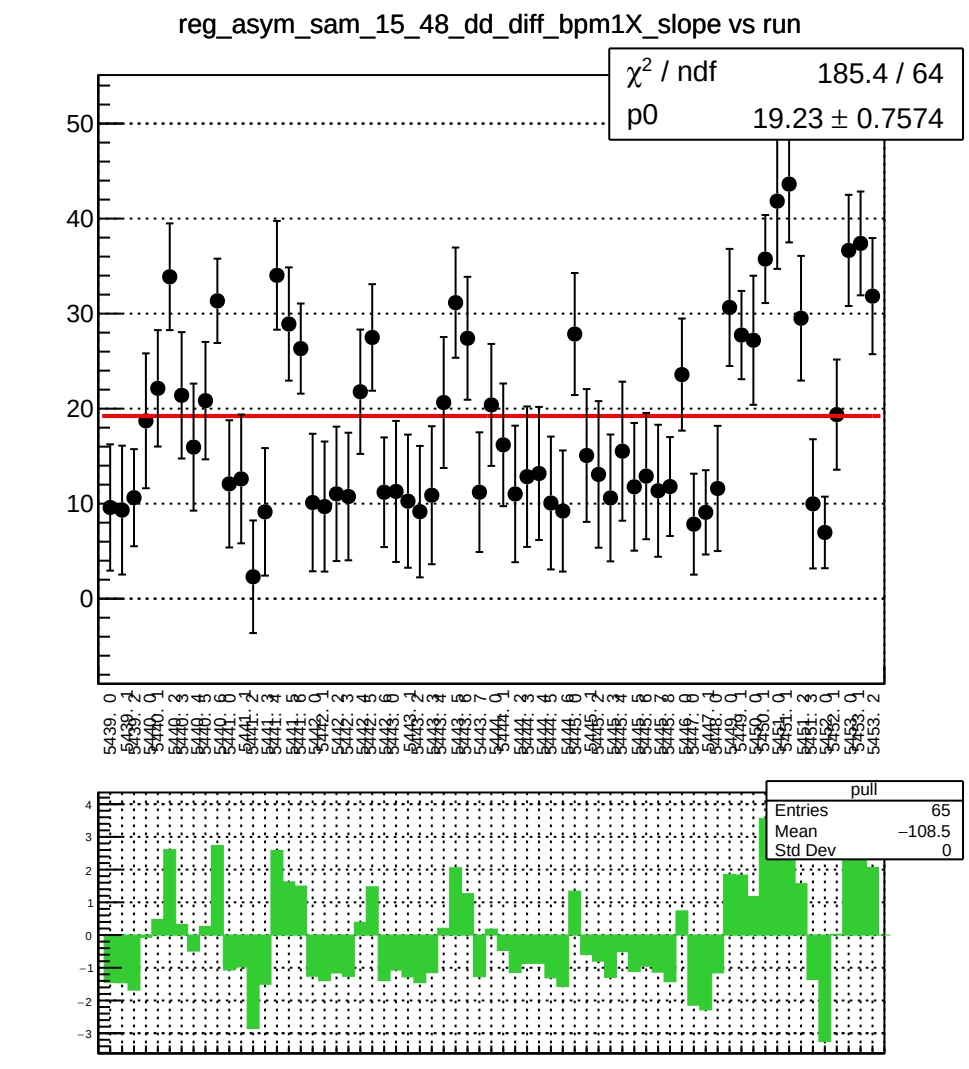

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 145.9 / 64
p0 −102.7 ± 1.568
pull
Entries 65
Mean −28.13
Std Dev 0

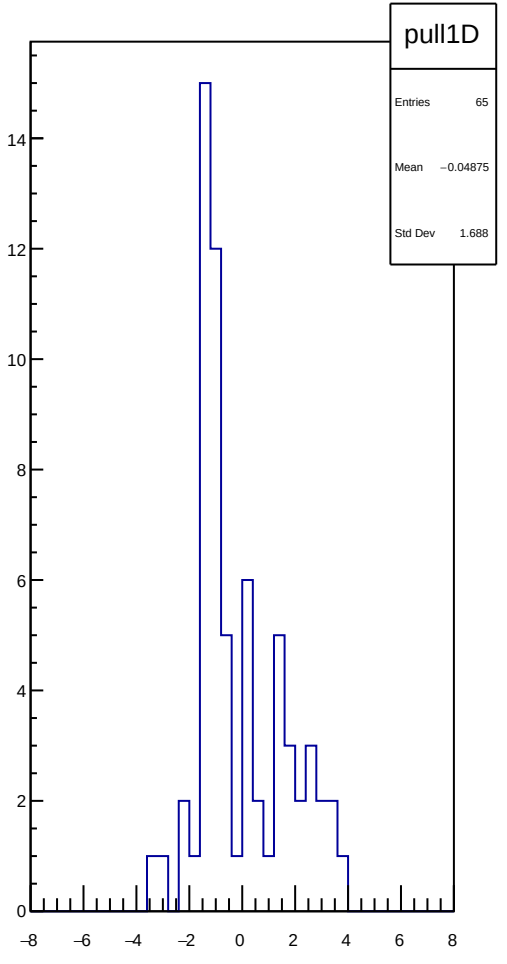

pull1D
Entries 65
Mean 0.06942
Std Dev 1.072

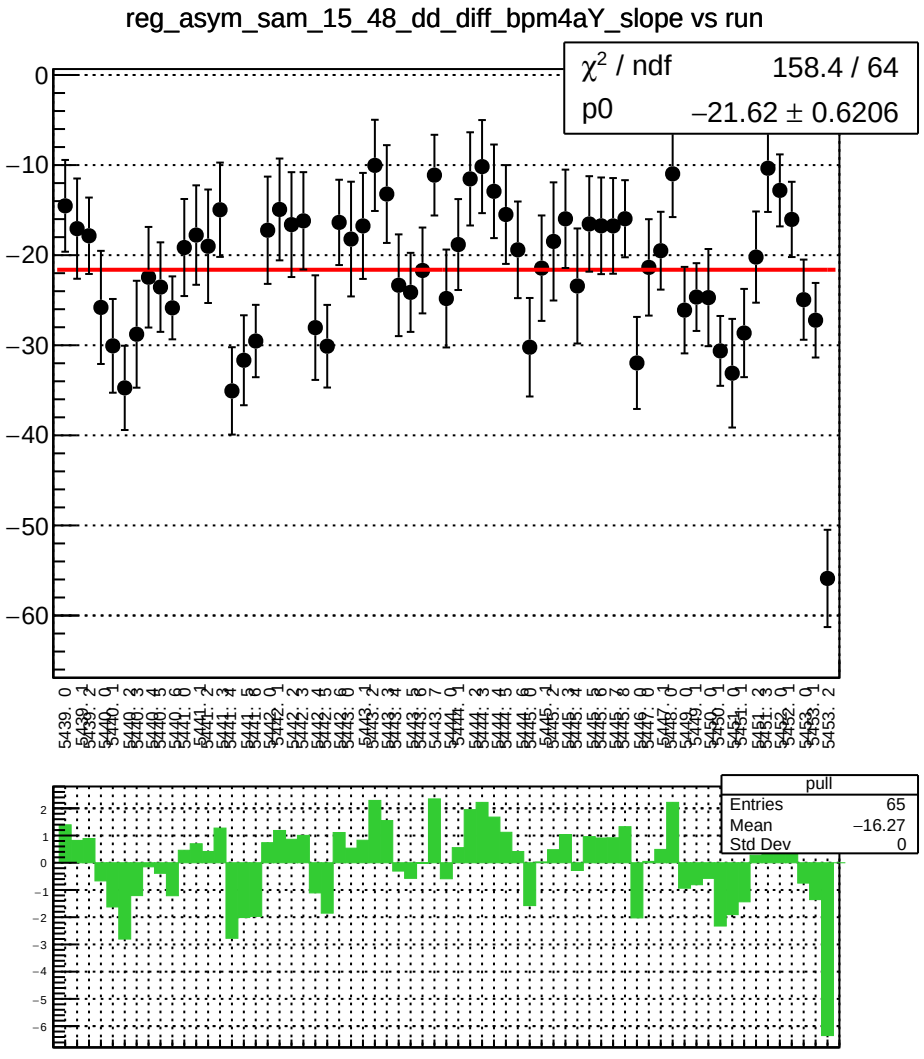

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 90.04 / 64
p0 −40.77 ± 2.087
pull
Entries 65
Mean −35.75
Std Dev 0

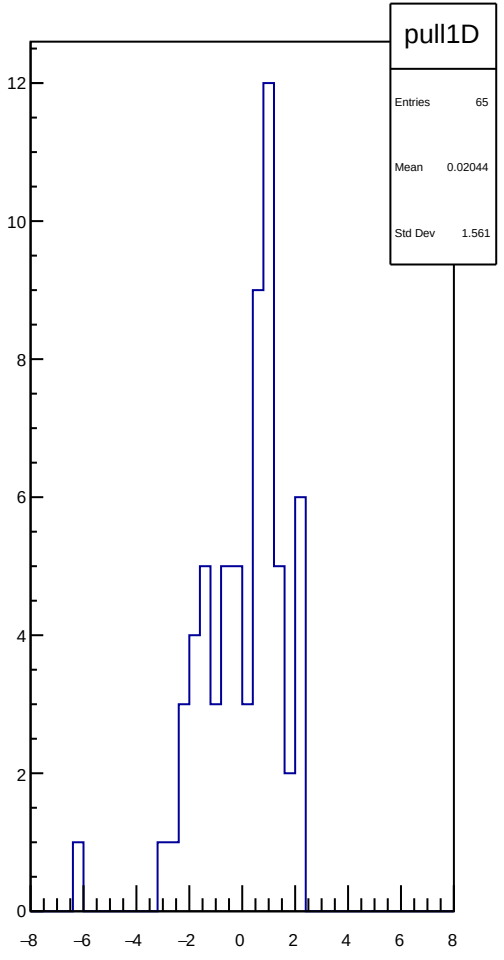

pull1D
Entries 65
Mean 0.105
Std Dev 1.172

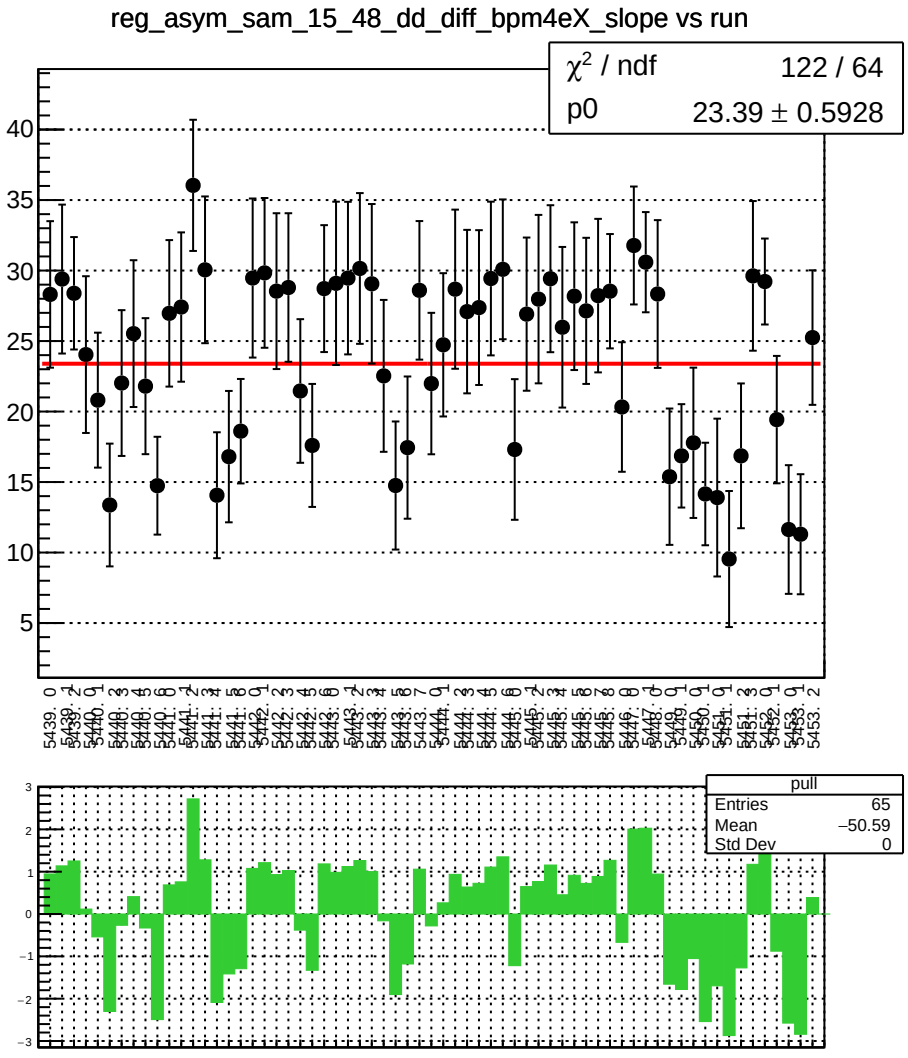

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 39 / 64
p0 −0.4483 ± 0.09353
pull
Entries 65
Mean −77.1
Std Dev 0
pull1D
Entries 65
Mean 0.02435
Std Dev 0.7742

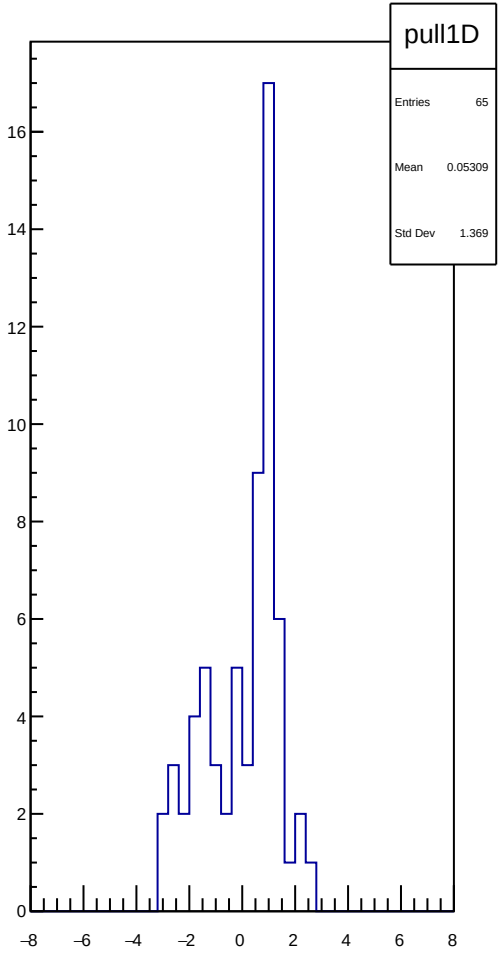

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 185.4 / 64
p0 19.23 ± 0.7574
pull
Entries 65
Mean −108.5
Std Dev 0

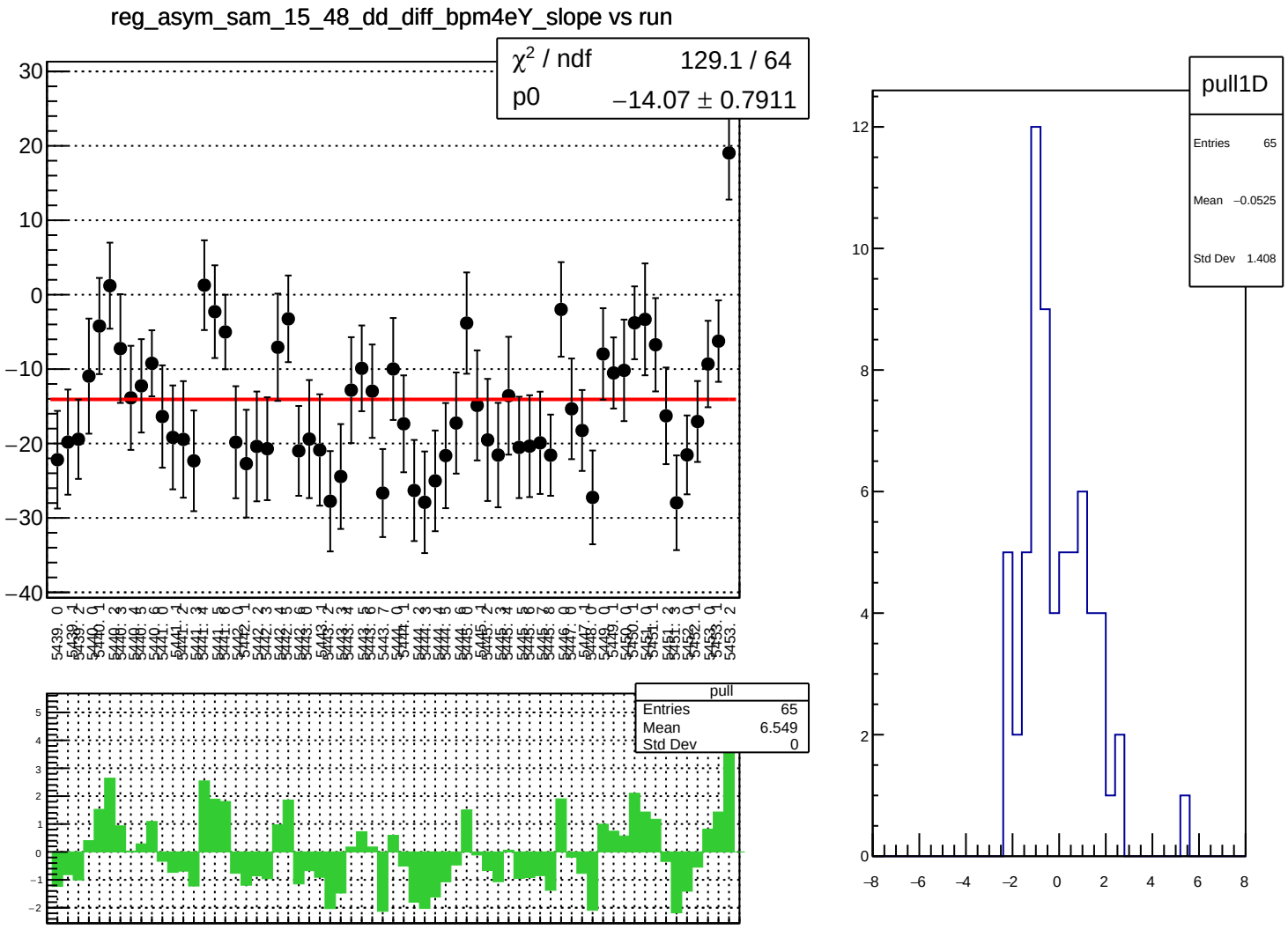

pull1D
Entries 65
Mean −0.04875
Std Dev 1.688

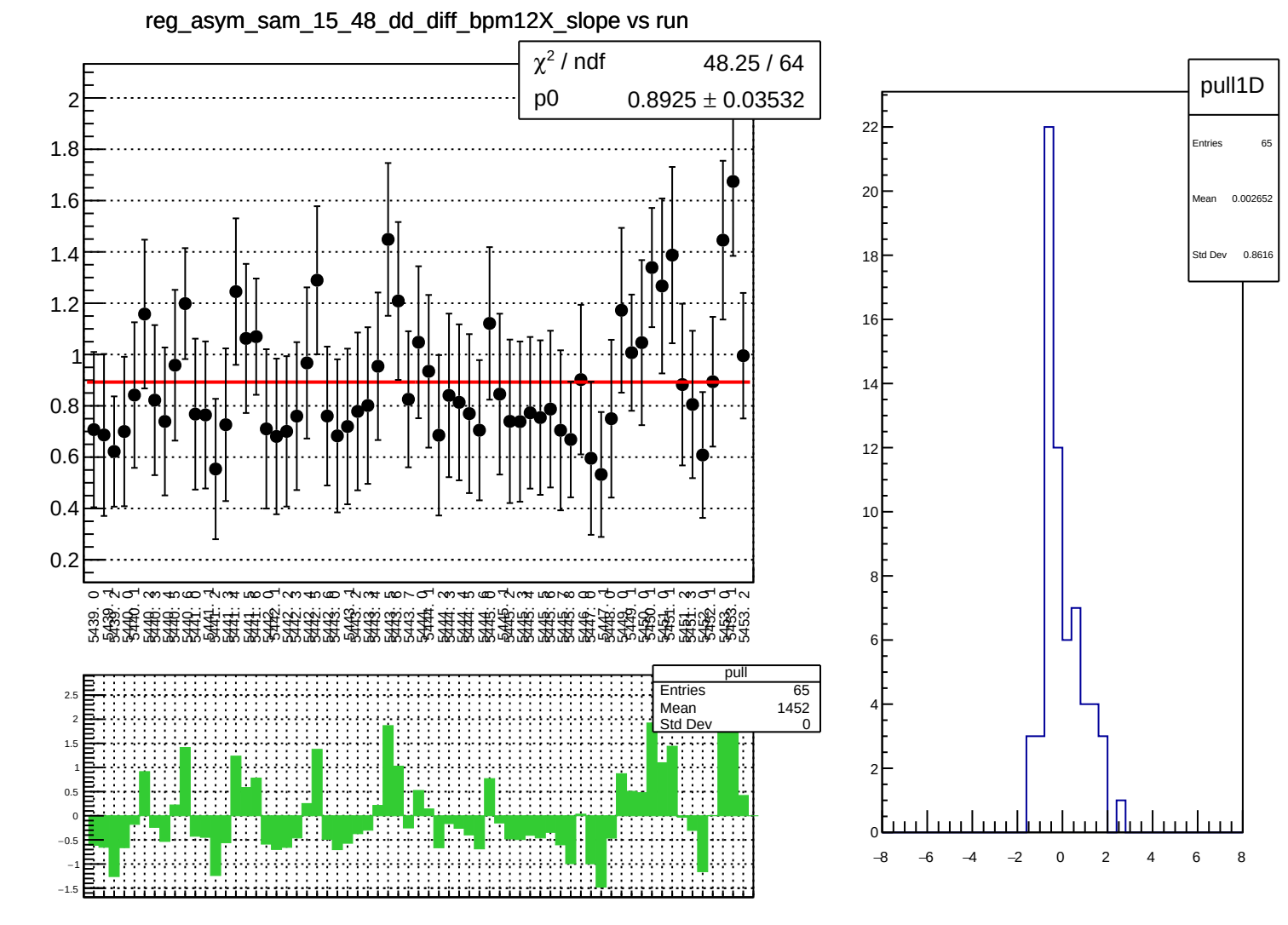

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 158.4 / 64
p0 −21.62 ± 0.6206
pull
Entries 65
Mean −16.27
Std Dev 0

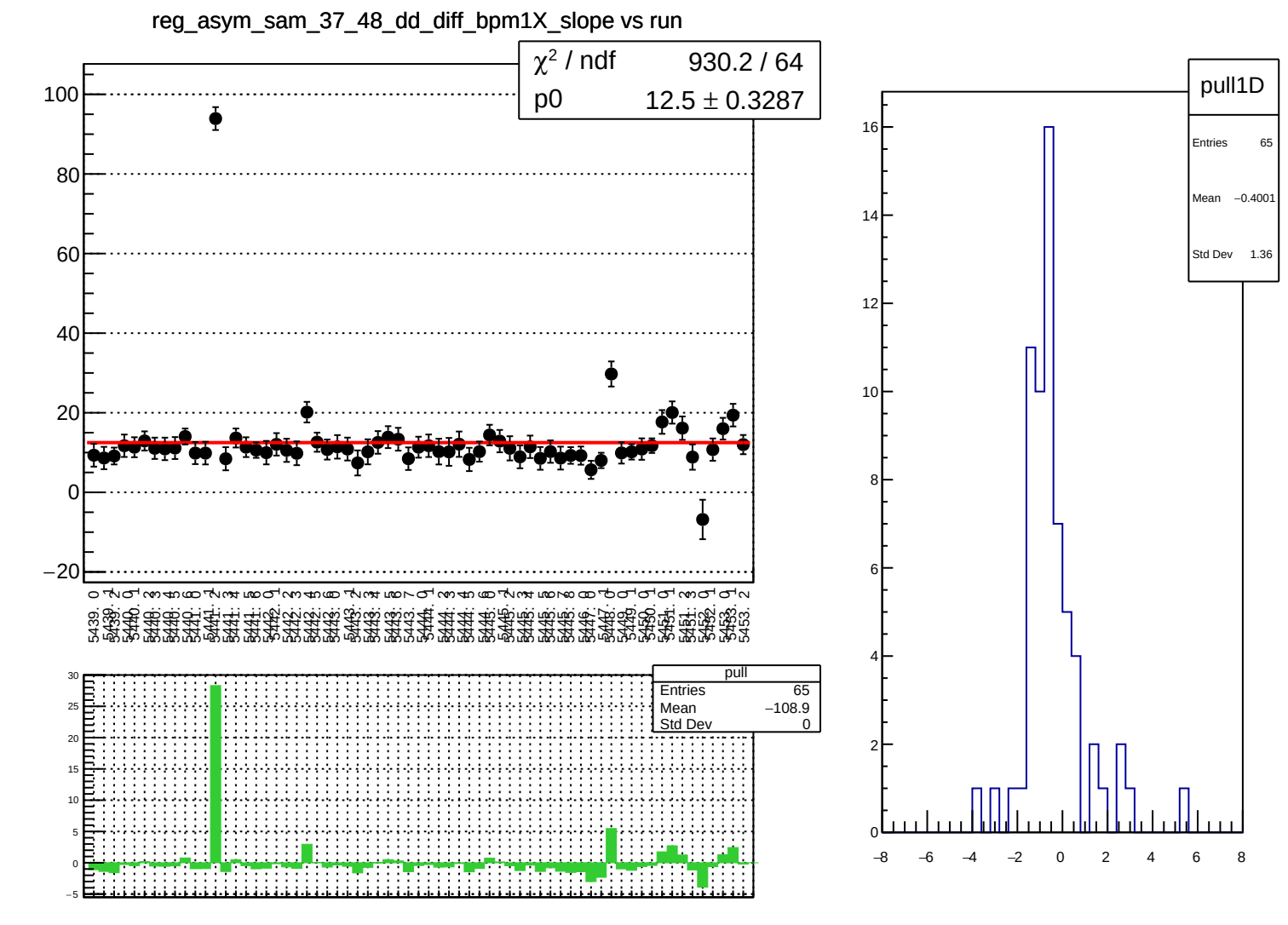

pull1D
Entries 65
Mean 0.02044
Std Dev 1.561

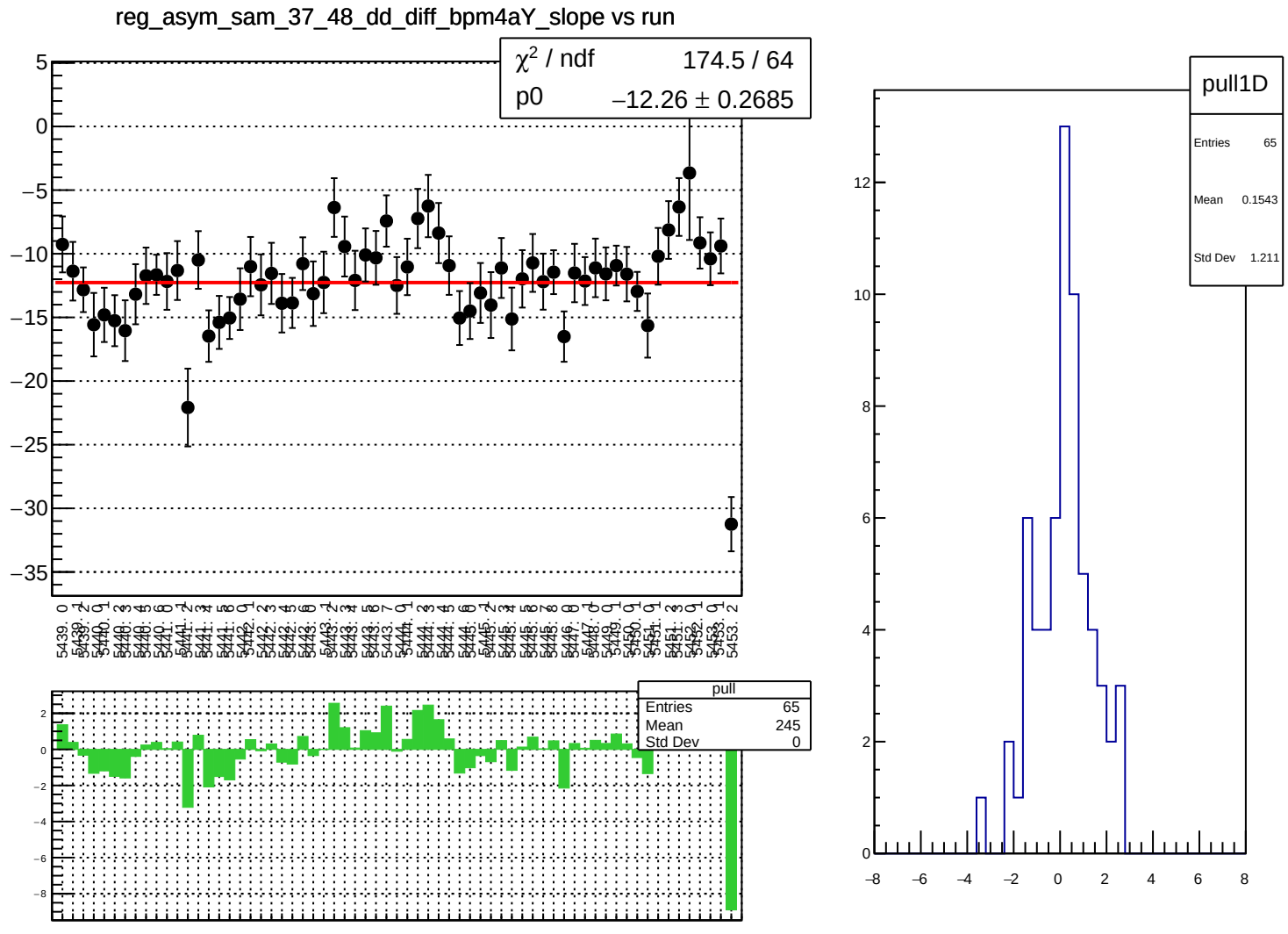

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 122 / 64
p0 23.39 ± 0.5928
pull
Entries 65
Mean −50.59
Std Dev 0

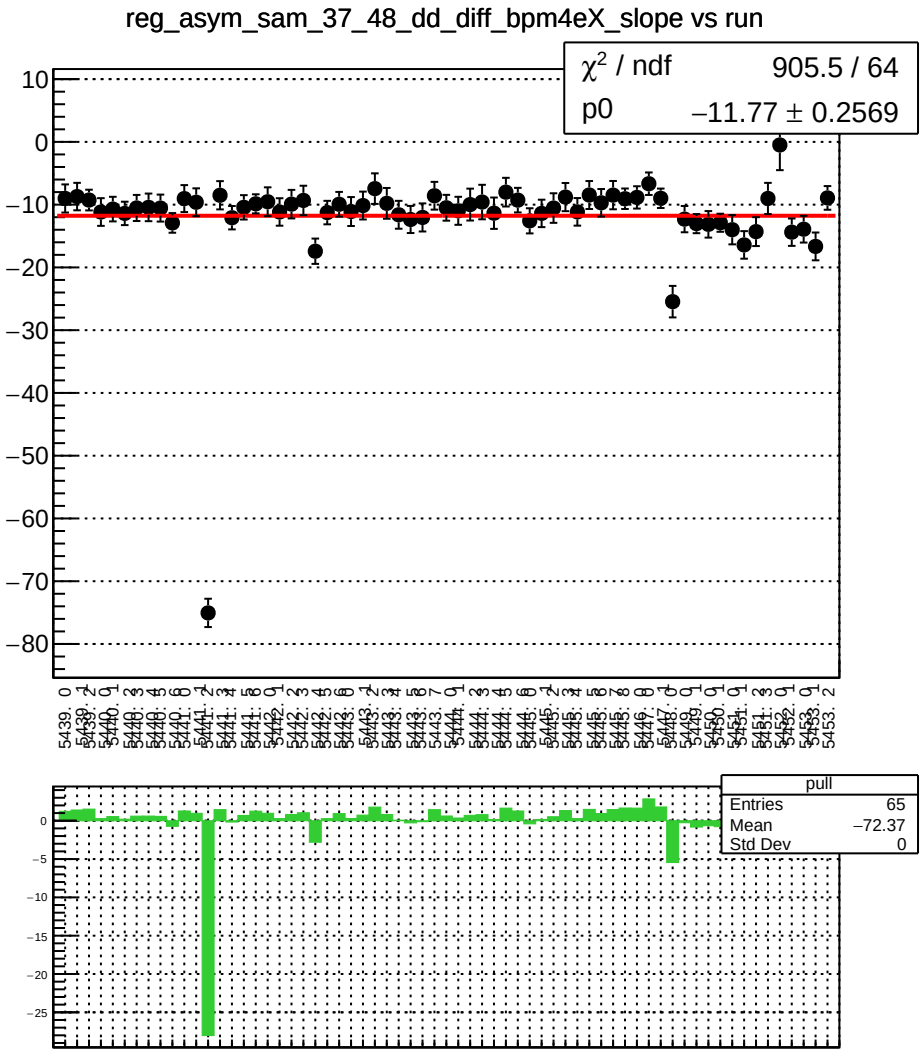

pull1D
Entries 65
Mean 0.05309
Std Dev 1.369

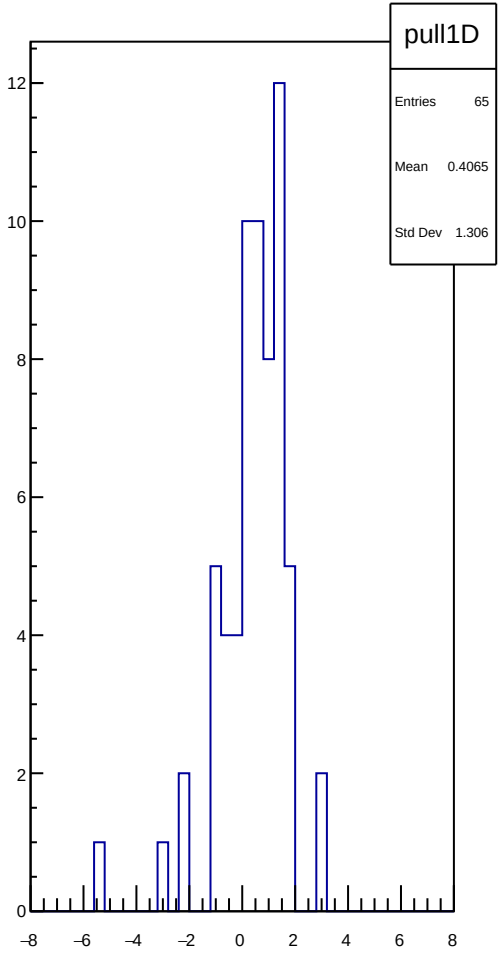

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 129.1 / 64
p0 −14.07 ± 0.7911
pull
Entries 65
Mean 6.549
Std Dev 0
pull1D
Entries 65
Mean −0.0525
Std Dev 1.408

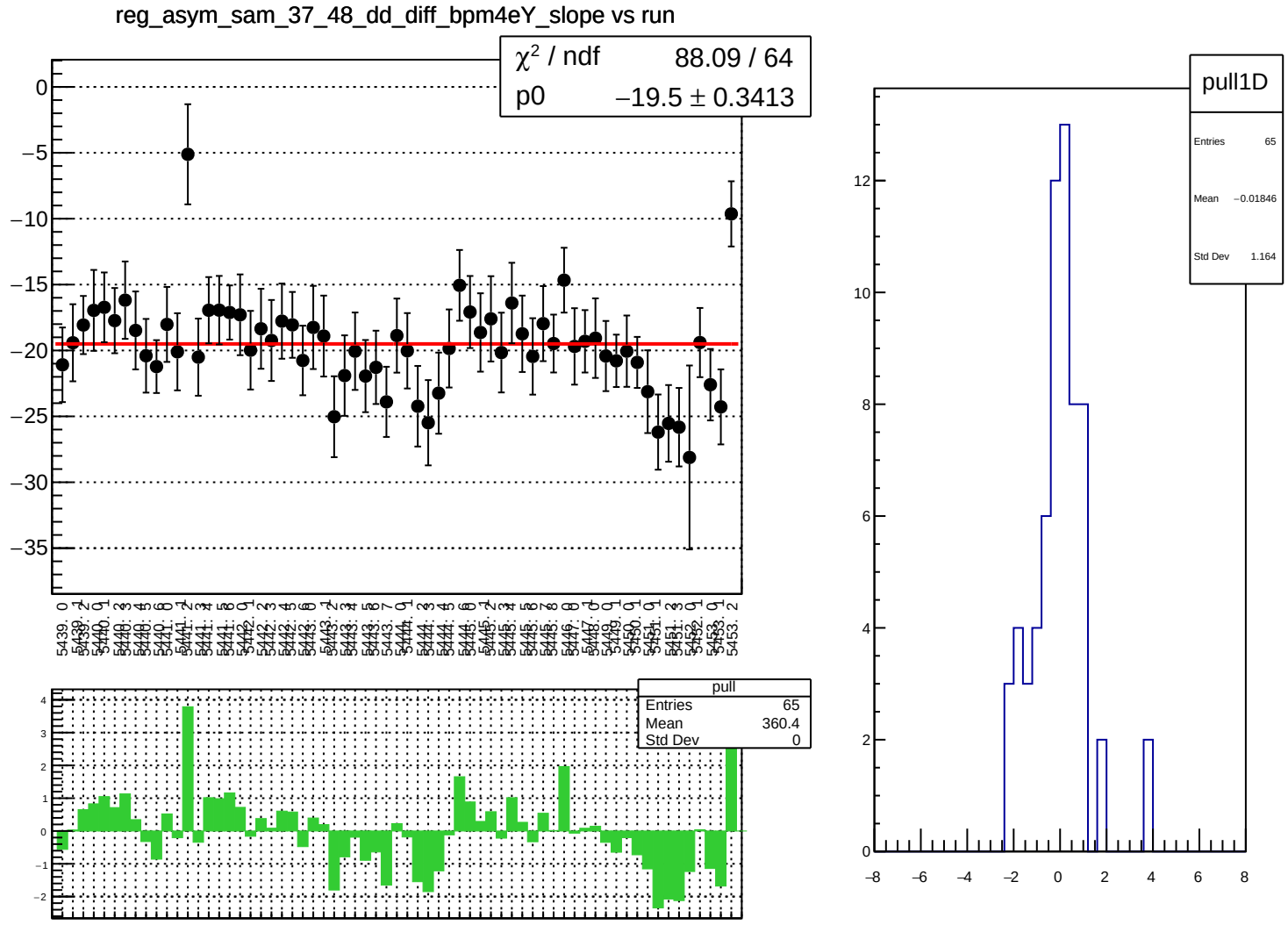

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 48.25 / 64
p0 0.8925 ± 0.03532
pull
Entries 65
Mean 1452
Std Dev 0
pull1D
Entries 65
Mean 0.002652
Std Dev 0.8616

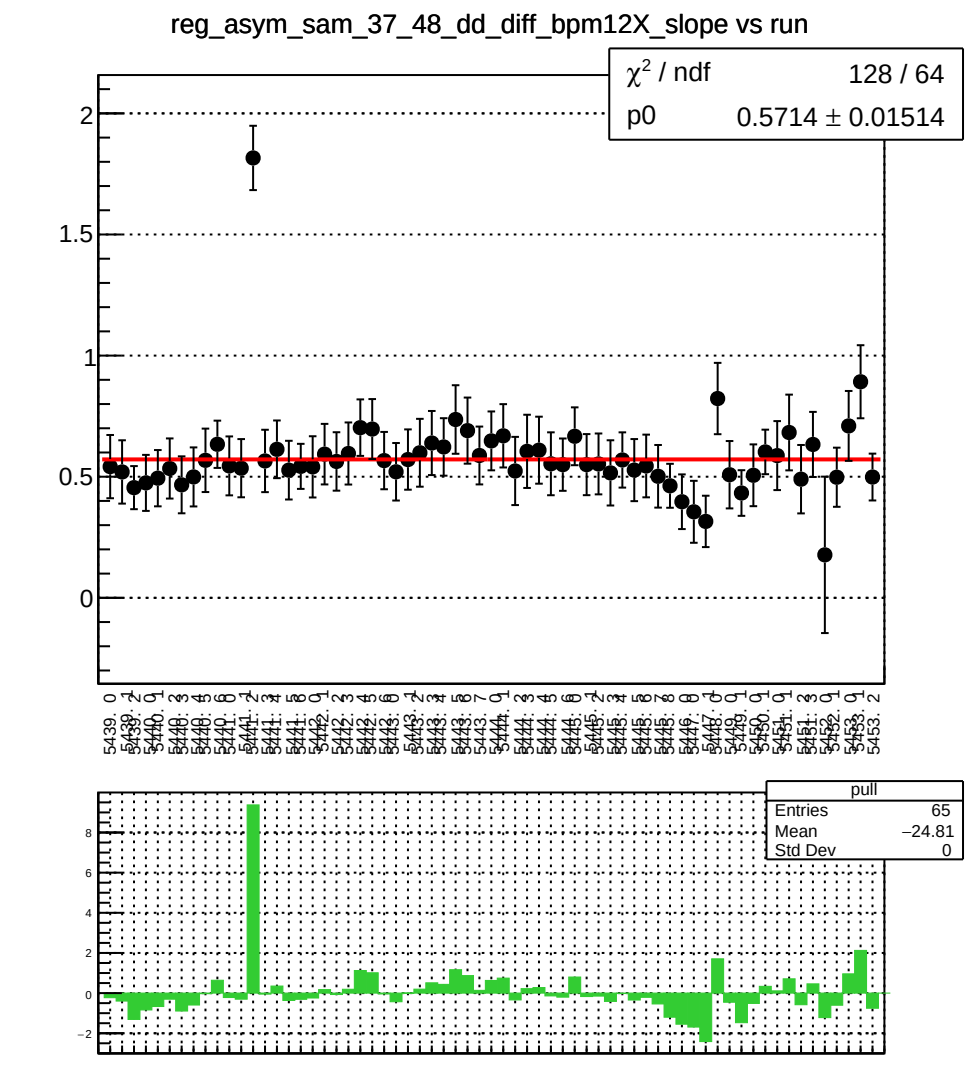

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 930.2 / 64
p0 12.5 ± 0.3287
pull
Entries 65
Mean −108.9
Std Dev 0
pull1D
Entries 65
Mean −0.4001
Std Dev 1.36

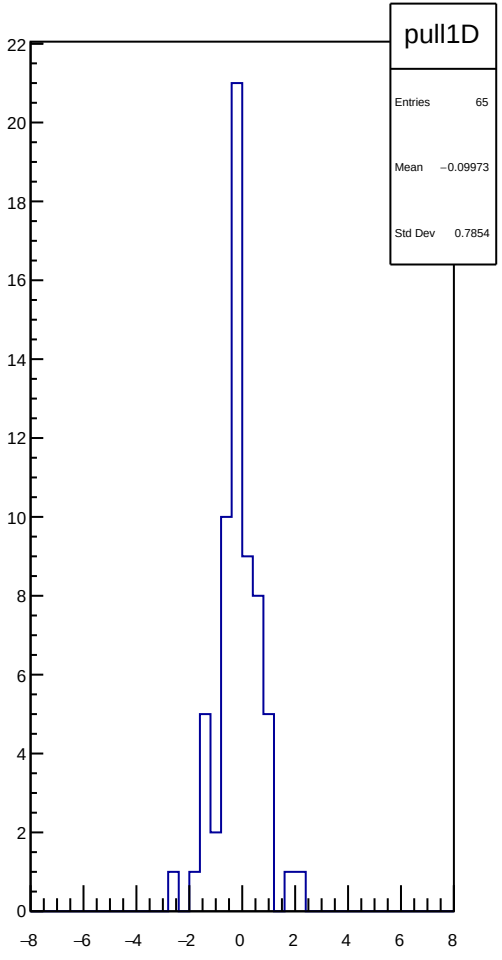

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 174.5 / 64
p0 −12.26 ± 0.2685
pull
Entries 65
Mean 245
Std Dev 0
pull1D
Entries 65
Mean 0.1543
Std Dev 1.211

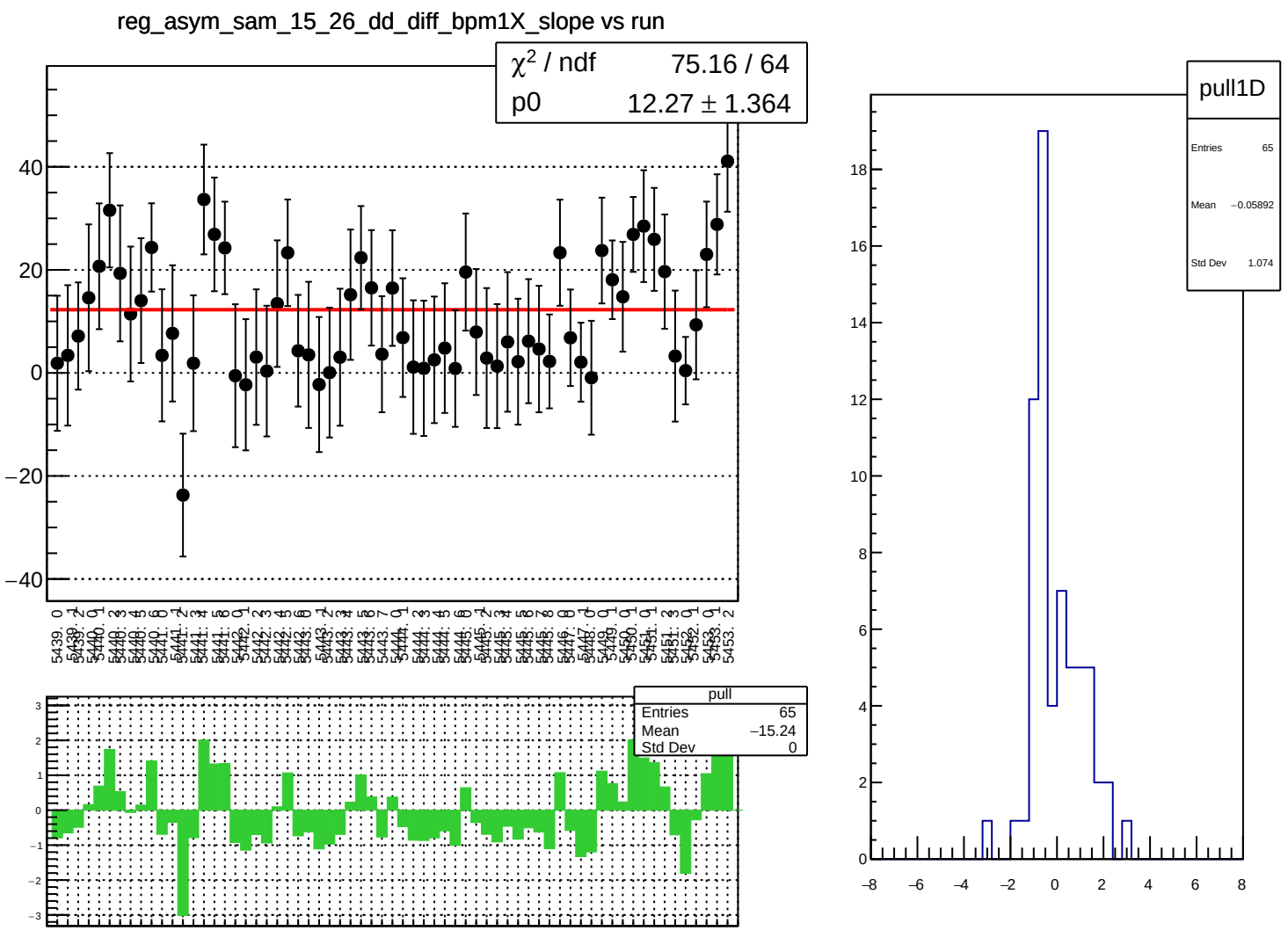

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 905.5 / 64
p0 −11.77 ± 0.2569
pull
Entries 65
Mean −72.37
Std Dev 0

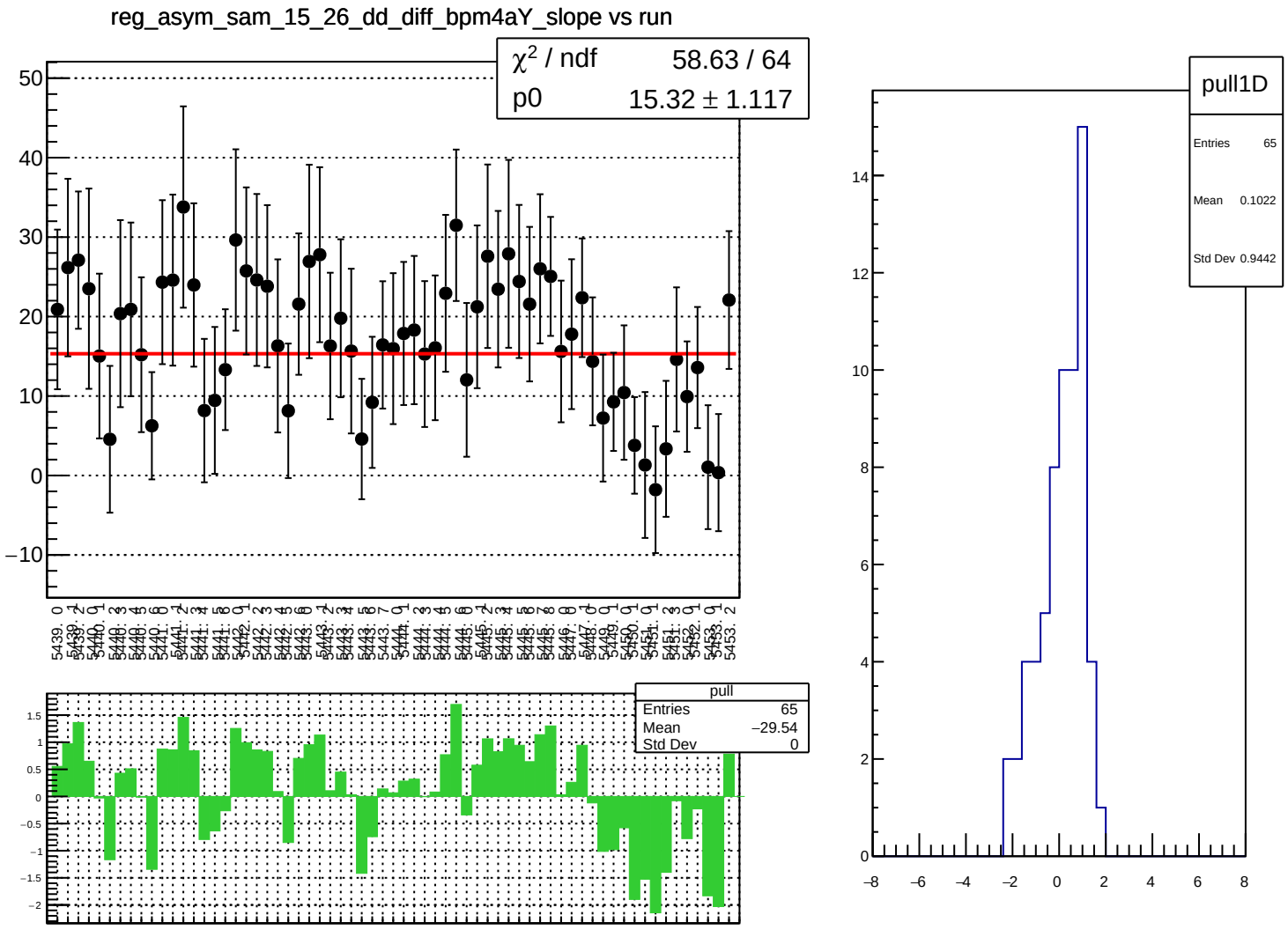

pull1D
Entries 65
Mean 0.4065
Std Dev 1.306

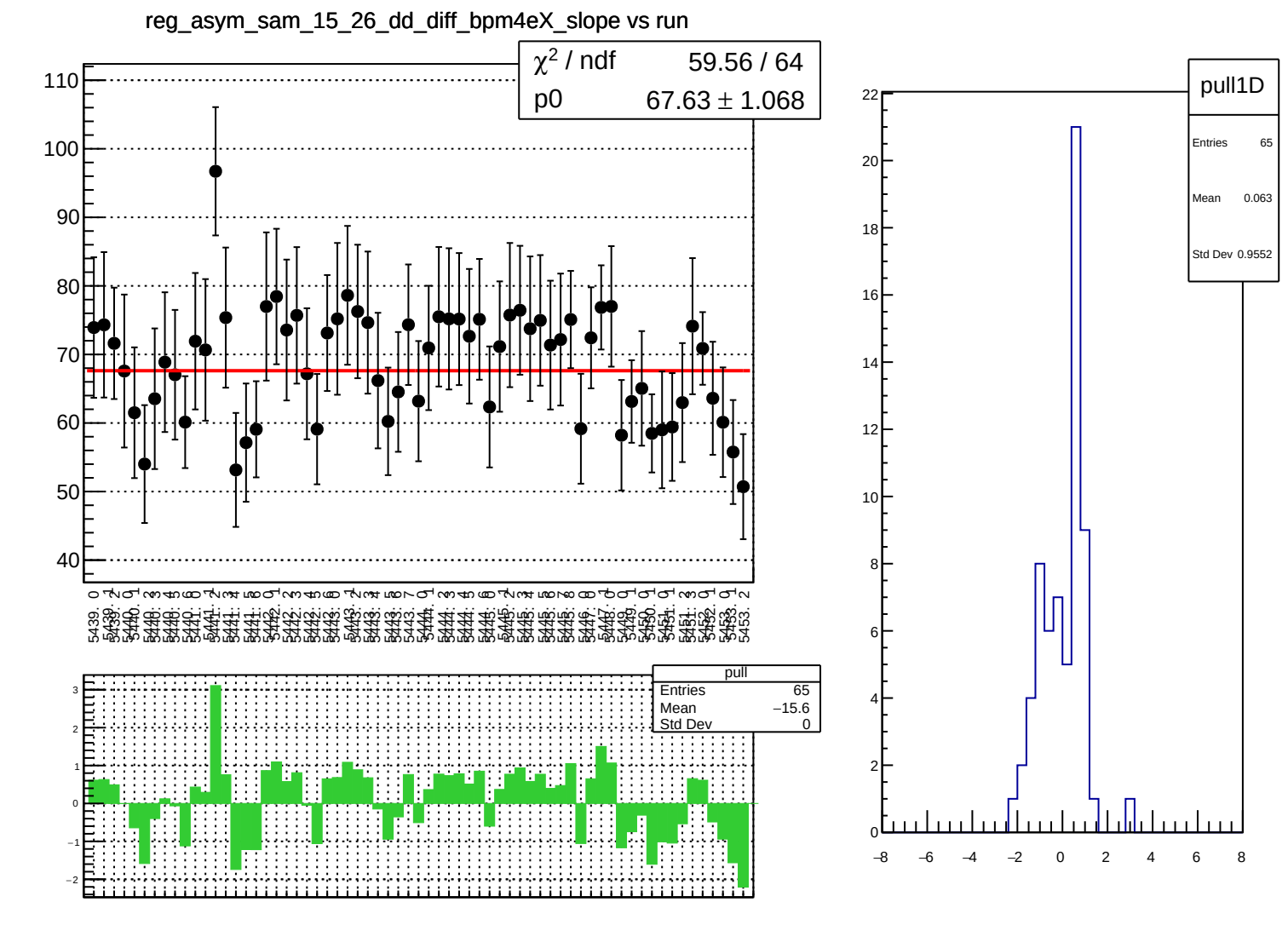

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 88.09 / 64
p0 −19.5 ± 0.3413
pull
Entries 65
Mean 360.4
Std Dev 0
pull1D
Entries 65
Mean −0.01846
Std Dev 1.164

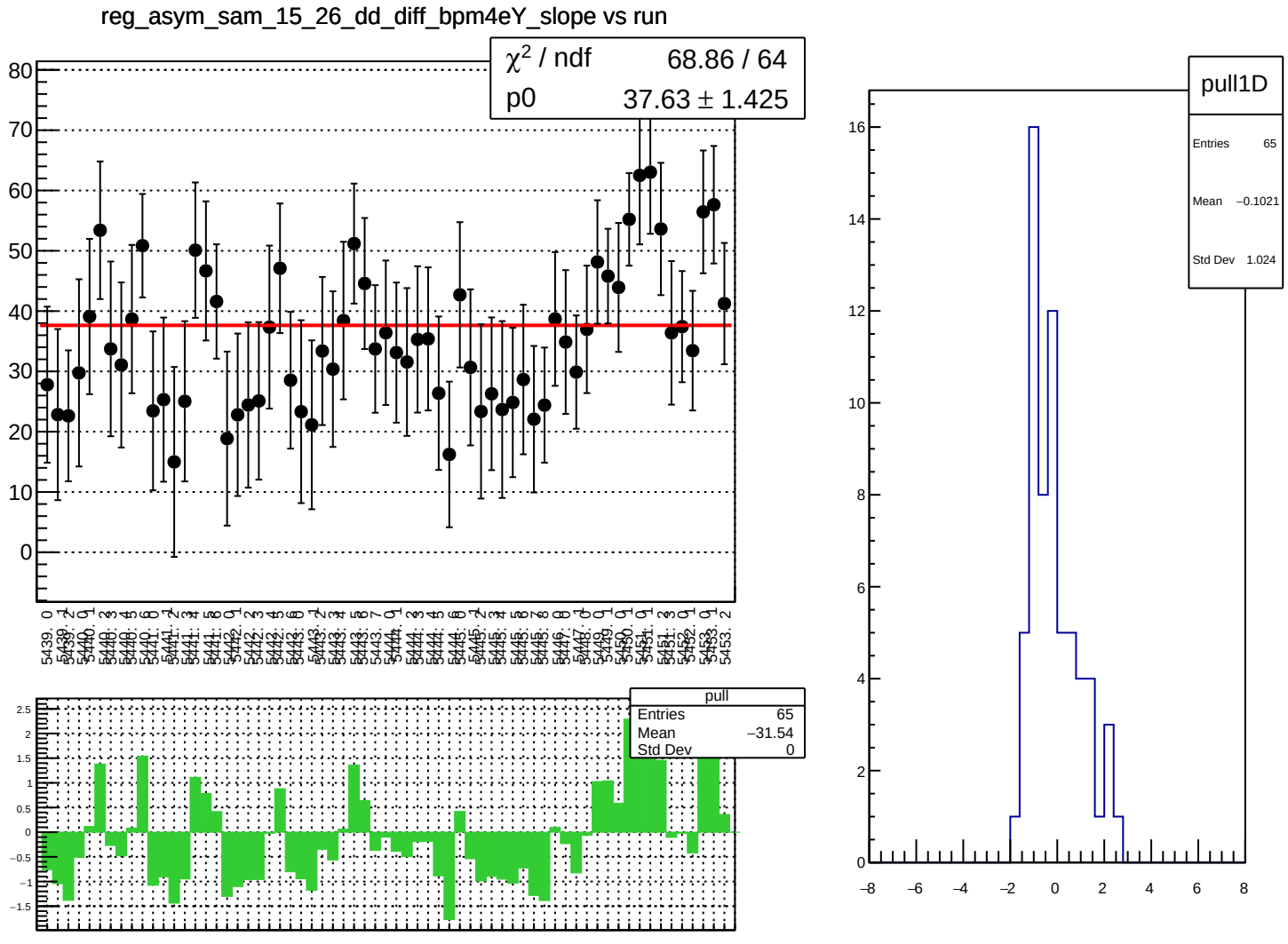

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 128 / 64
p0 0.5714 ± 0.01514
pull
Entries 65
Mean −24.81
Std Dev 0

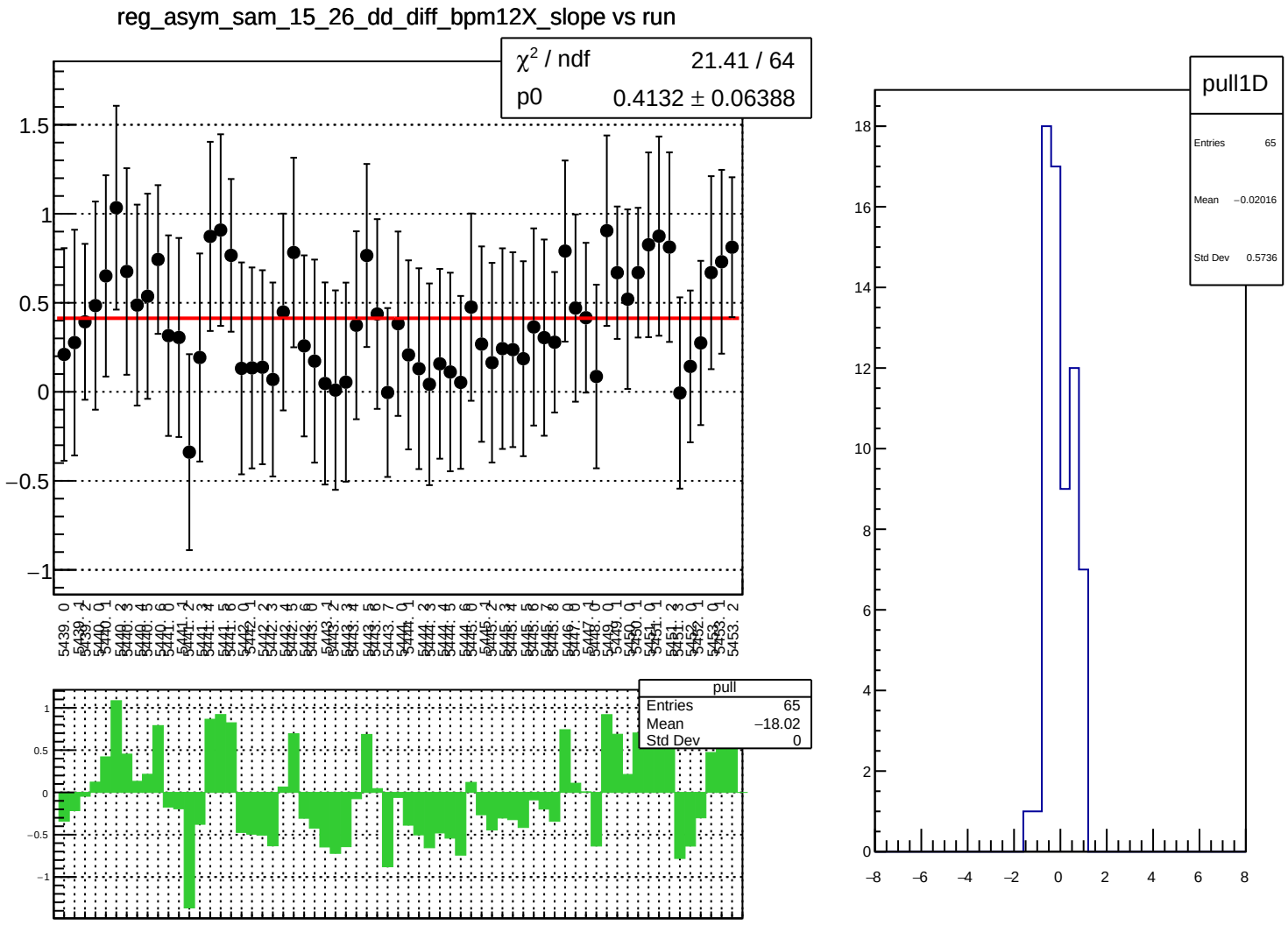

pull1D
Entries 65
Mean −0.09973
Std Dev 0.7854

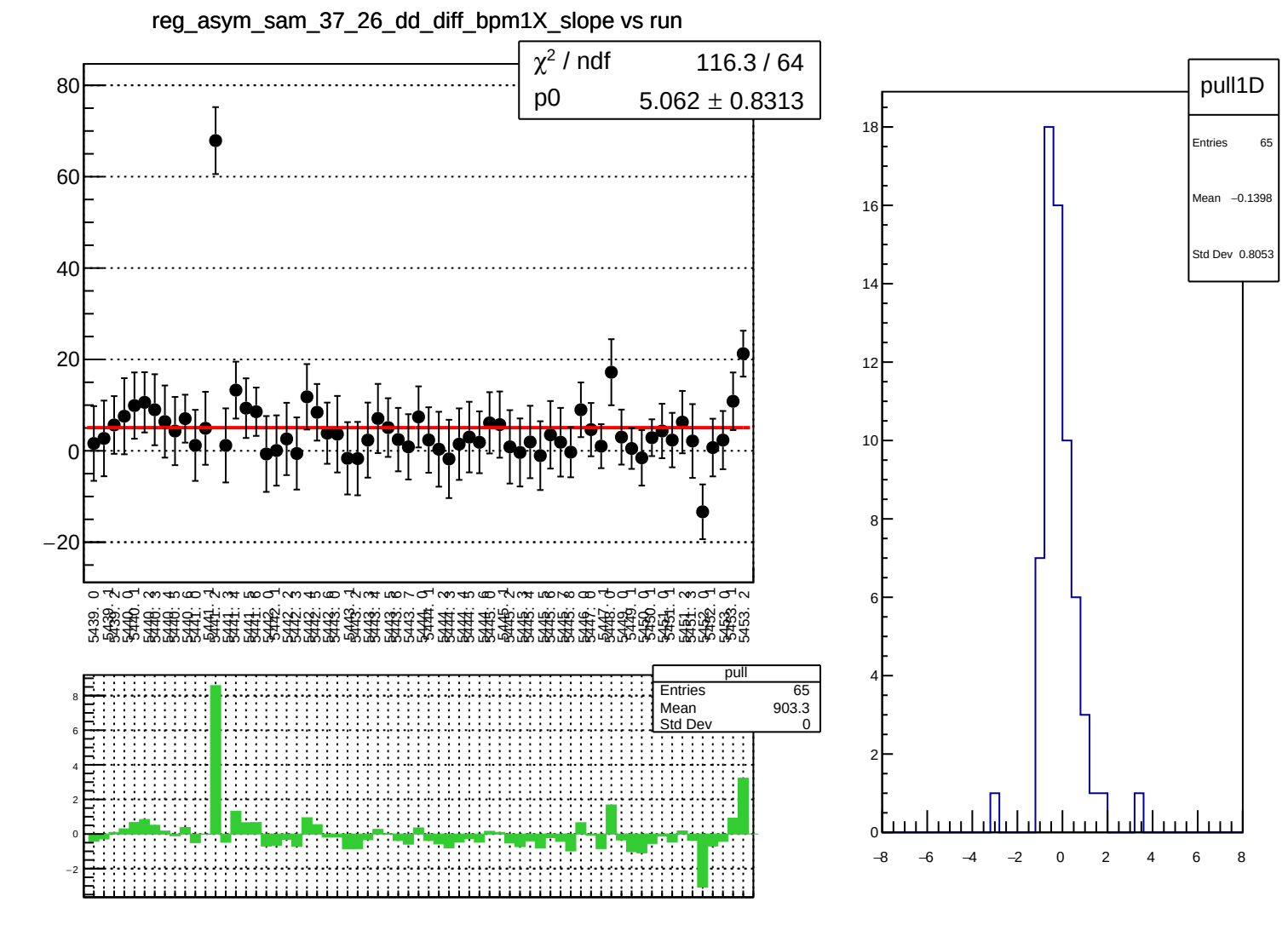

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 75.16 / 64
p0 12.27 ± 1.364
pull
Entries 65
Mean −15.24
Std Dev 0
pull1D
Entries 65
Mean −0.05892
Std Dev 1.074

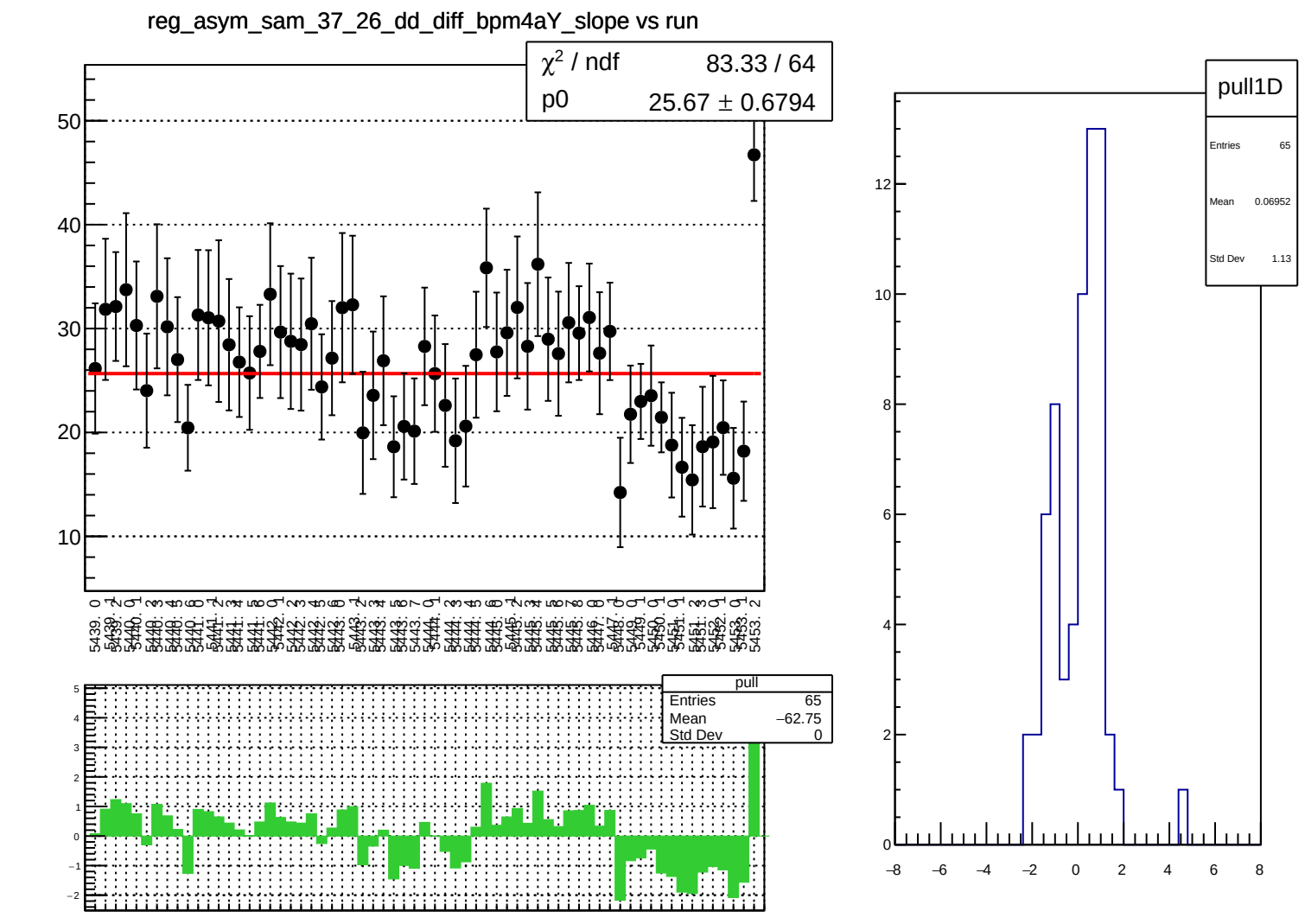

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.63 / 64
p0 15.32 ± 1.117
pull
Entries 65
Mean −29.54
Std Dev 0
pull1D
Entries 65
Mean 0.1022
Std Dev 0.9442

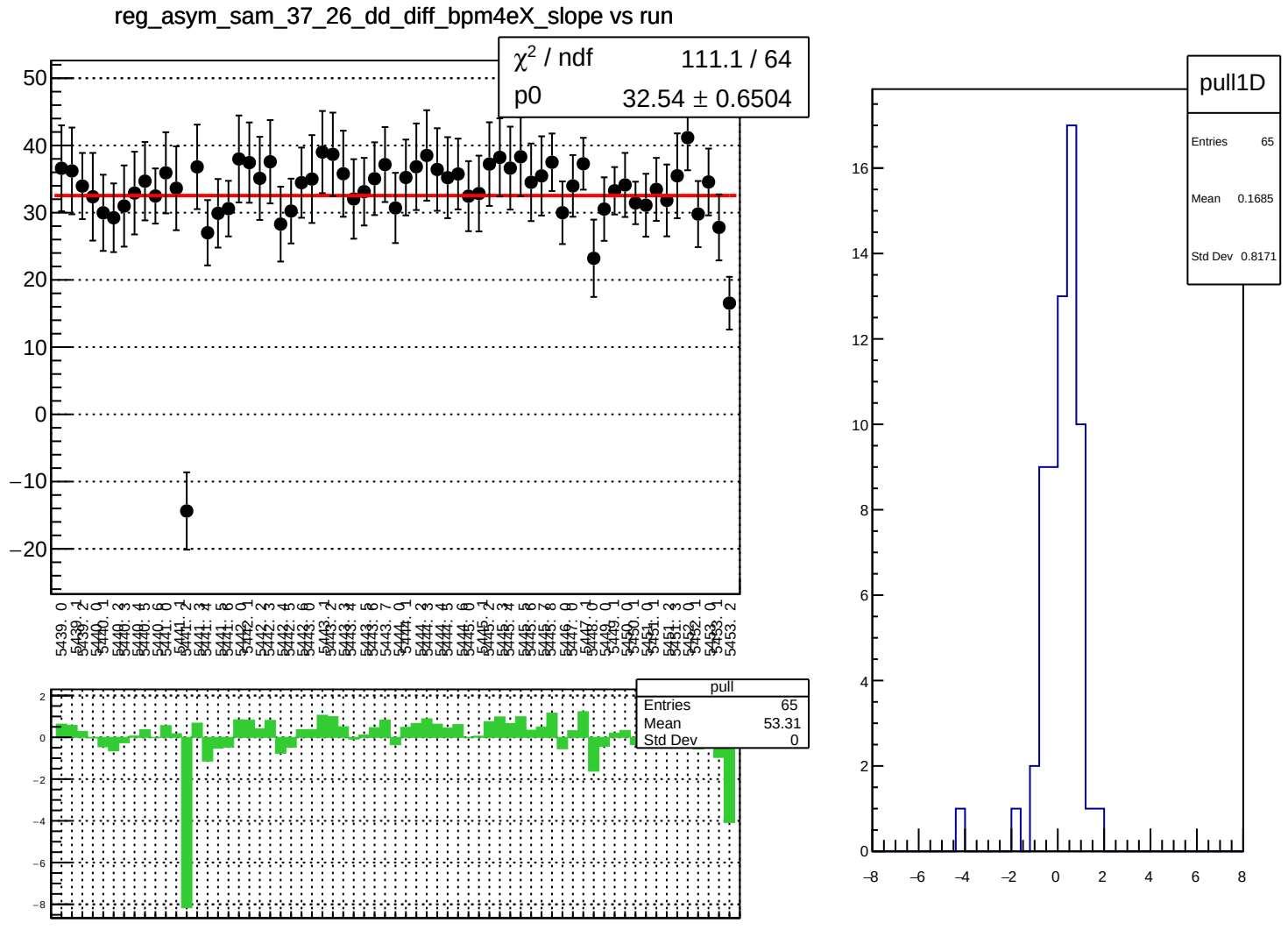

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.56 / 64
p0 67.63 ± 1.068
pull
Entries 65
Mean −15.6
Std Dev 0
pull1D
Entries 65
Mean 0.063
Std Dev 0.9552

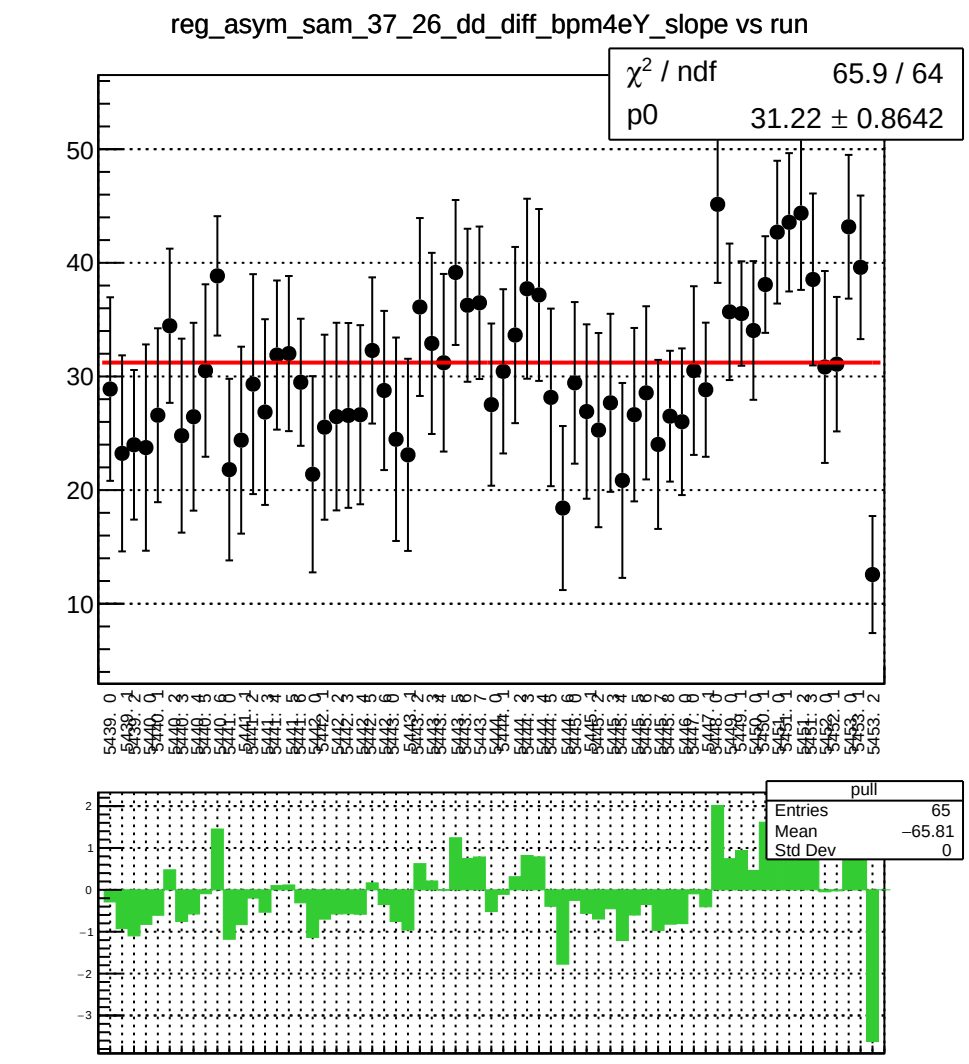

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.86 / 64
p0 37.63 ± 1.425
pull
Entries 65
Mean −31.54
Std Dev 0
pull1D
Entries 65
Mean −0.1021
Std Dev 1.024

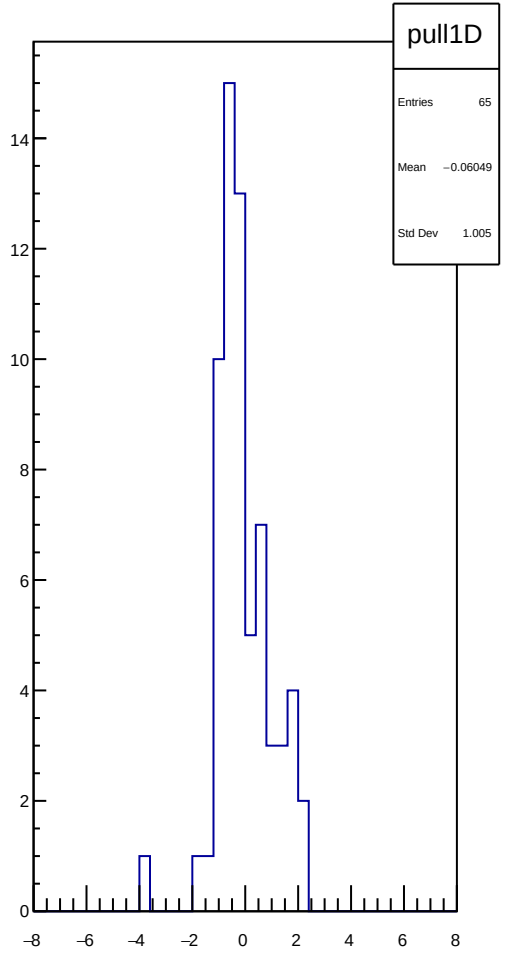

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 21.41 / 64
p0 0.4132 ± 0.06388
pull
Entries 65
Mean −18.02
Std Dev 0
pull1D
Entries 65
Mean −0.02016
Std Dev 0.5736

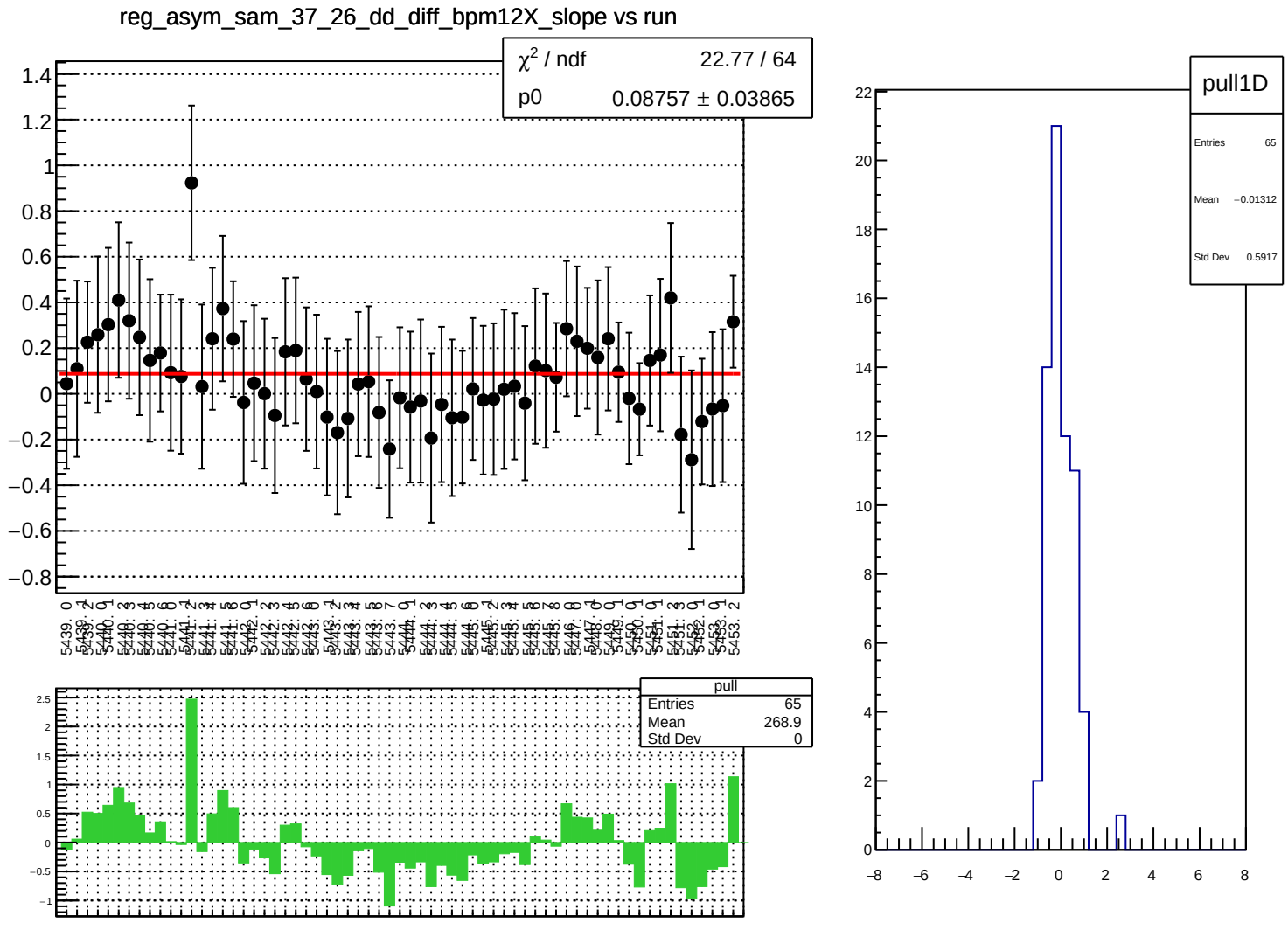

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 116.3 / 64
p0 5.062 ± 0.8313
pull
Entries 65
Mean 903.3
Std Dev 0
pull1D
Entries 65
Mean −0.1398
Std Dev 0.8053

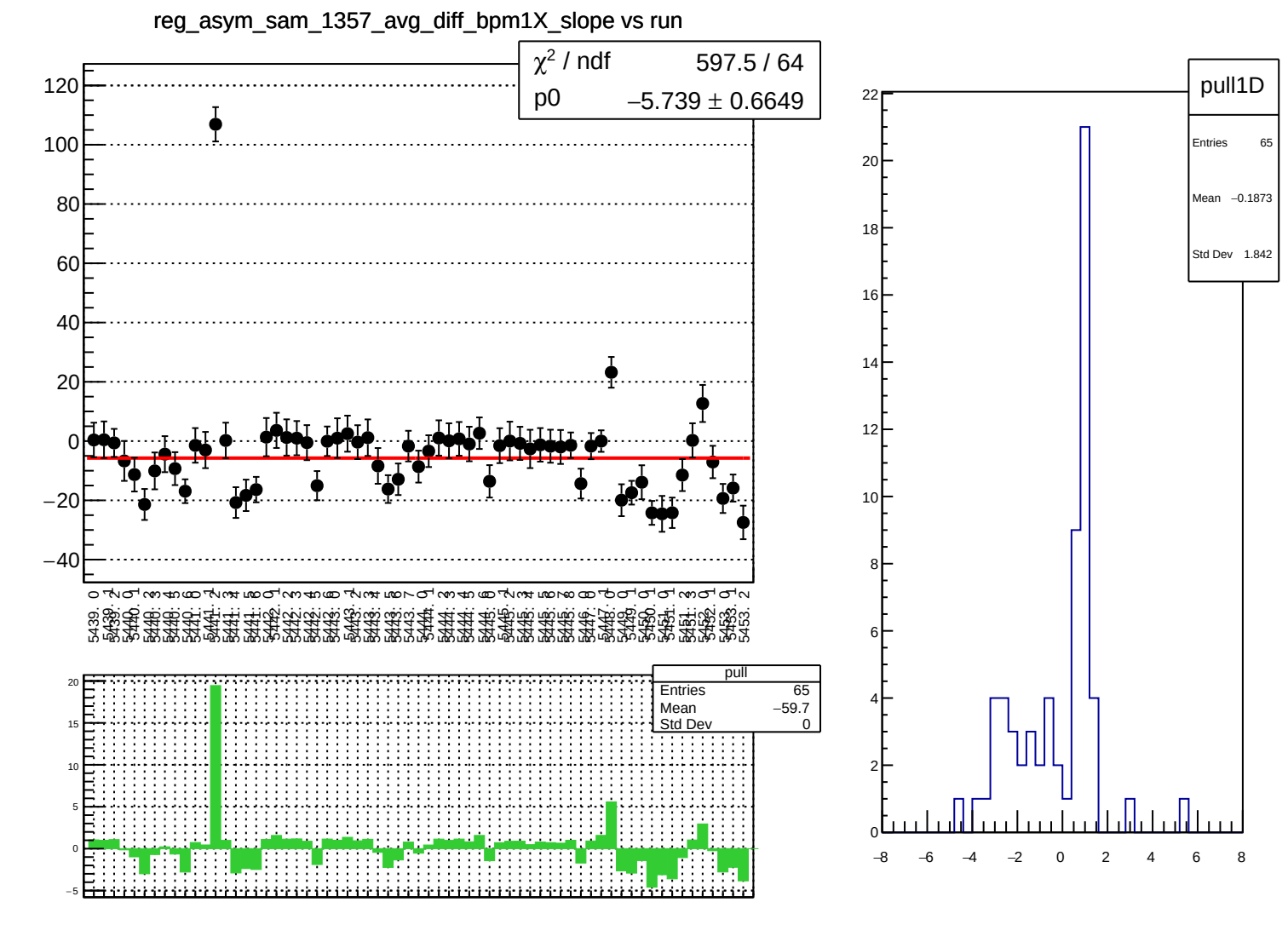

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 83.33 / 64
p0 25.67 ± 0.6794
pull
Entries 65
Mean −62.75
Std Dev 0
pull1D
Entries 65
Mean 0.06952
Std Dev 1.13

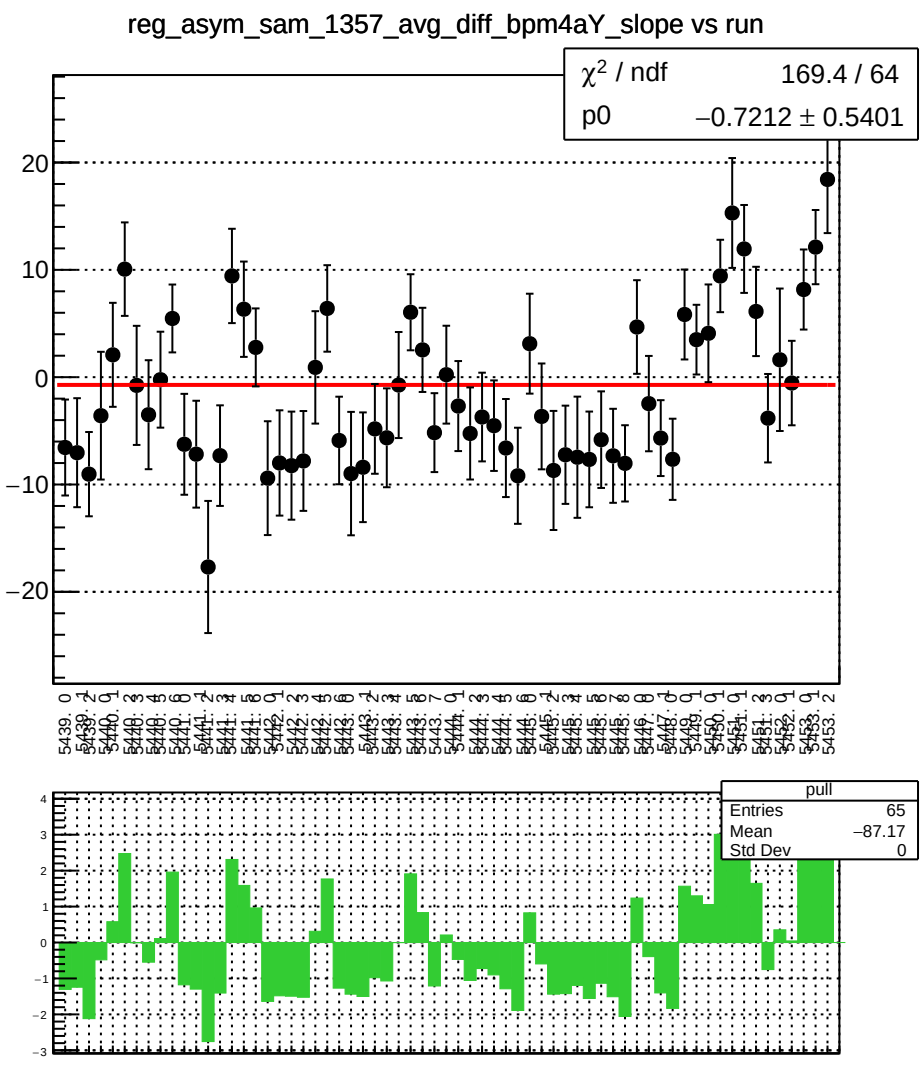

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 111.1 / 64
p0 32.54 ± 0.6504
pull
Entries 65
Mean 53.31
Std Dev 0
pull1D
Entries 65
Mean 0.1685
Std Dev 0.8171

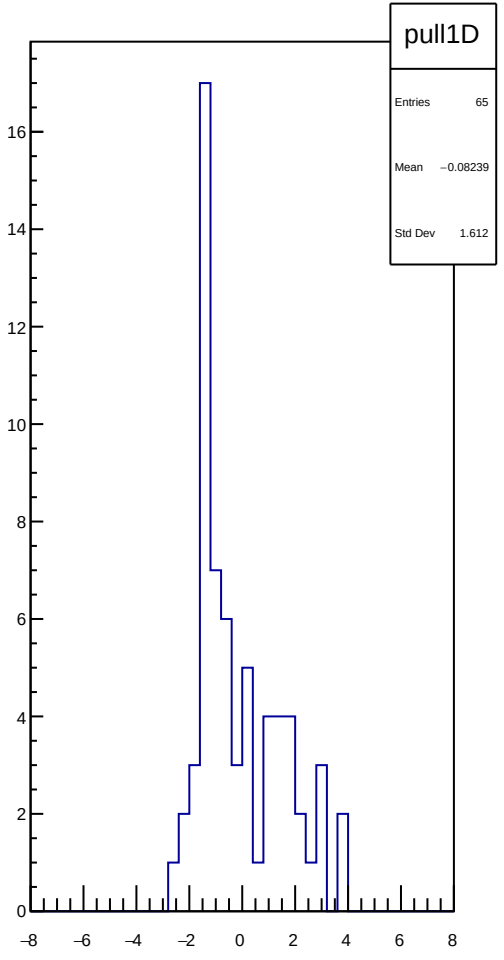

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.9 / 64
p0 31.22 ± 0.8642
pull
Entries 65
Mean −65.81
Std Dev 0

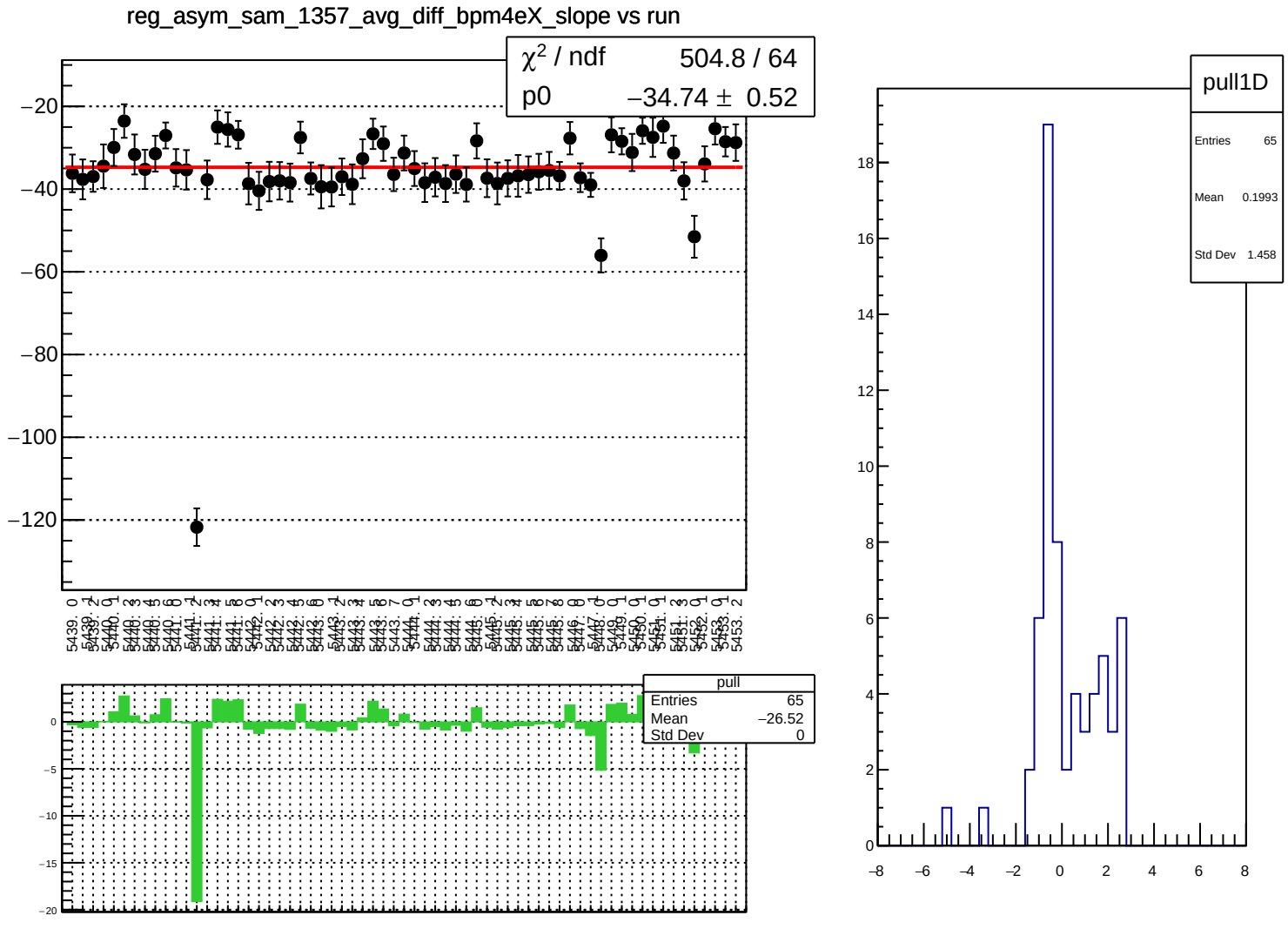

pull1D
Entries 65
Mean −0.06049
Std Dev 1.005

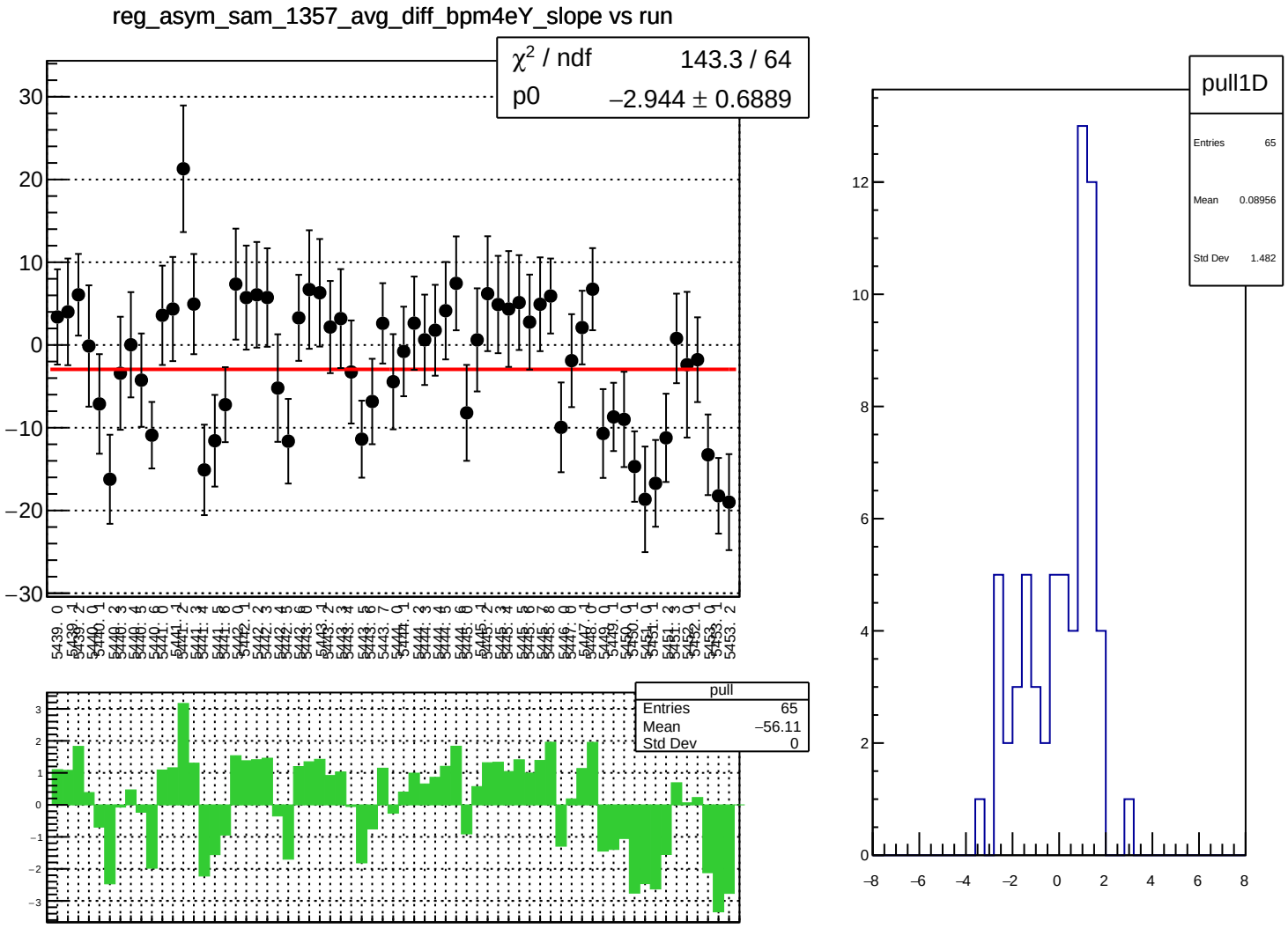

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 22.77 / 64
p0 0.08757 ± 0.03865
pull
Entries 65
Mean 268.9
Std Dev 0
pull1D
Entries 65
Mean −0.01312
Std Dev 0.5917

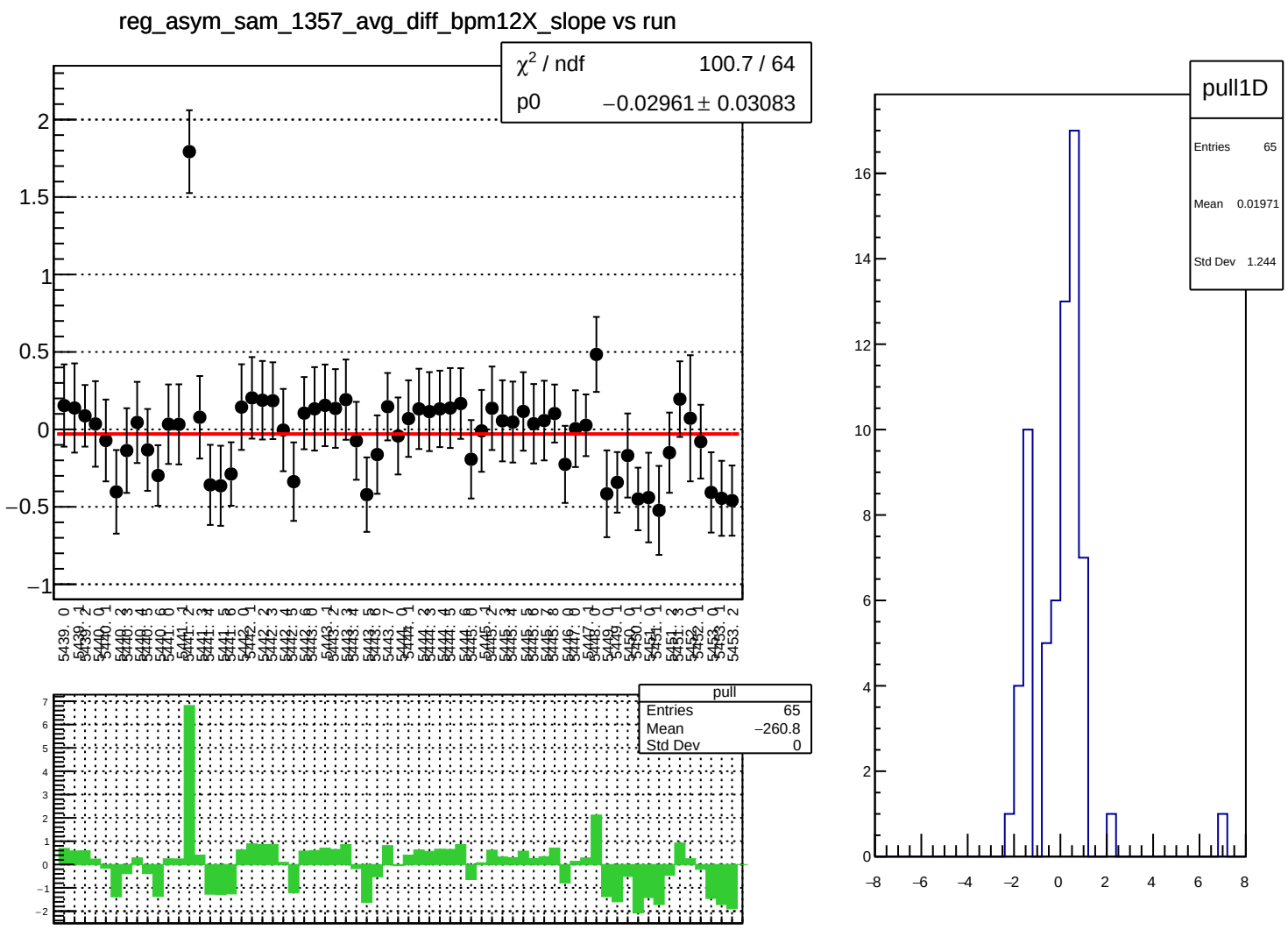

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 597.5 / 64
p0 −5.739 ± 0.6649
pull
Entries 65
Mean −59.7
Std Dev 0
pull1D
Entries 65
Mean −0.1873
Std Dev 1.842

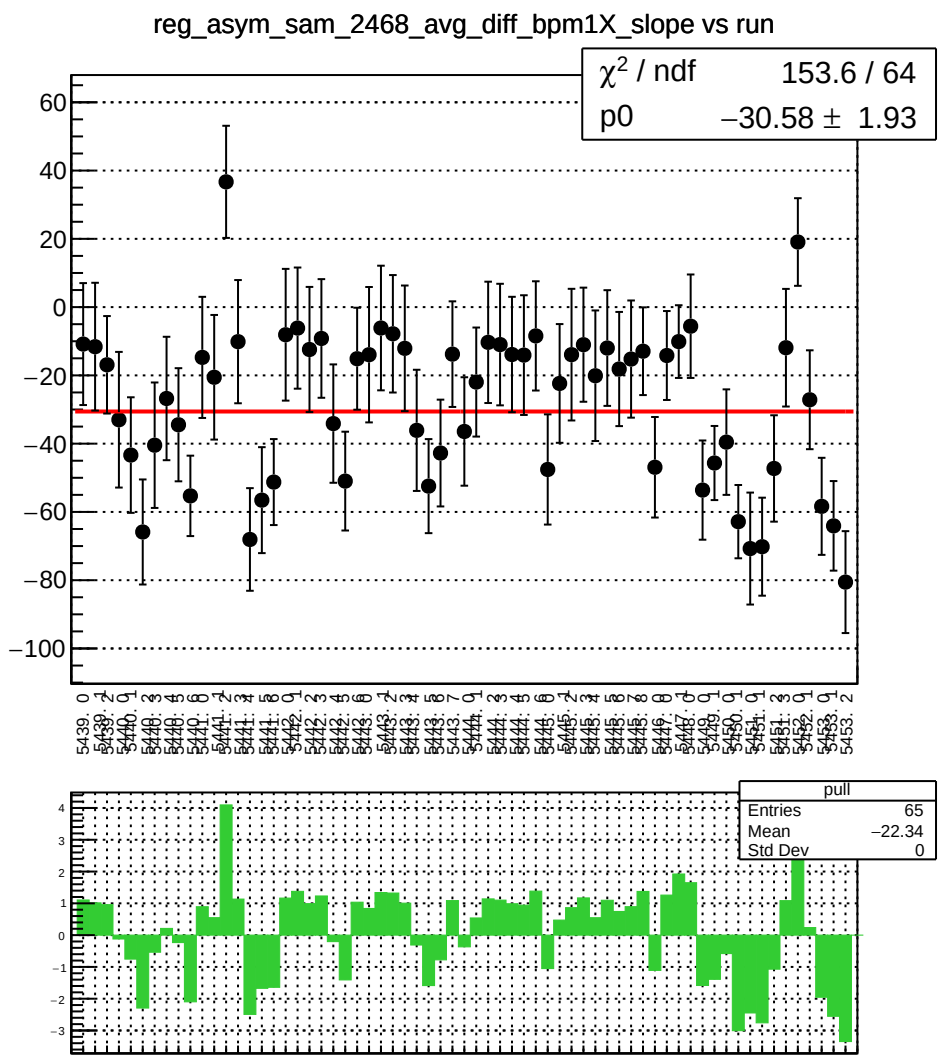

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 169.4 / 64
p0 −0.7212 ± 0.5401
pull
Entries 65
Mean −87.17
Std Dev 0

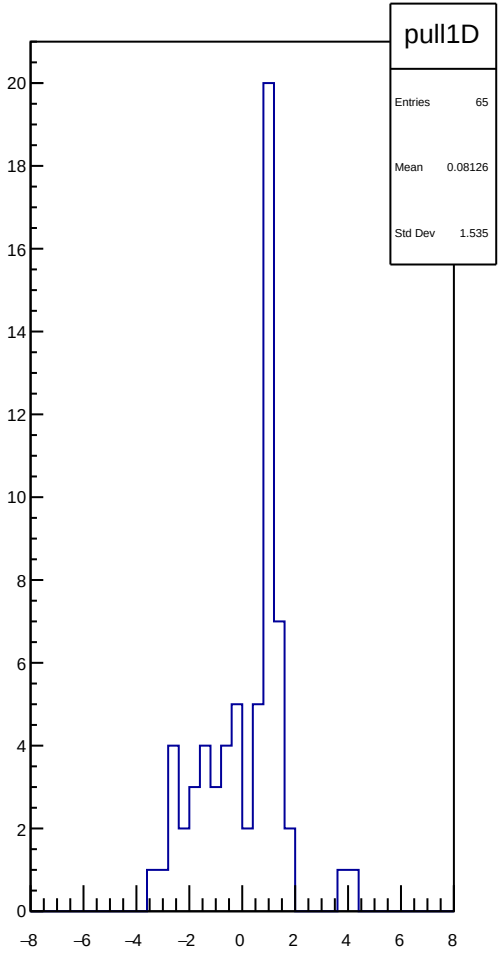

pull1D
Entries 65
Mean −0.08239
Std Dev 1.612

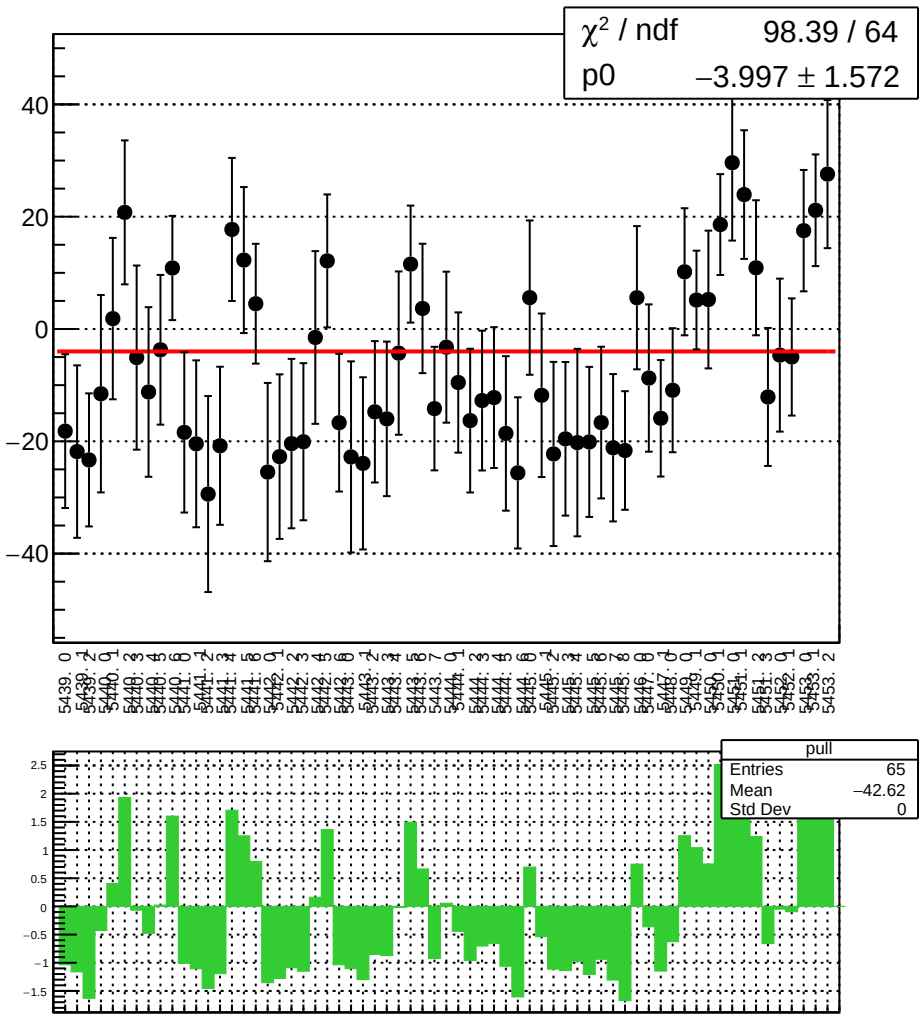

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 504.8 / 64
p0 −34.74 ± 0.52
pull
Entries 65
Mean −26.52
Std Dev 0
pull1D
Entries 65
Mean 0.1993
Std Dev 1.458

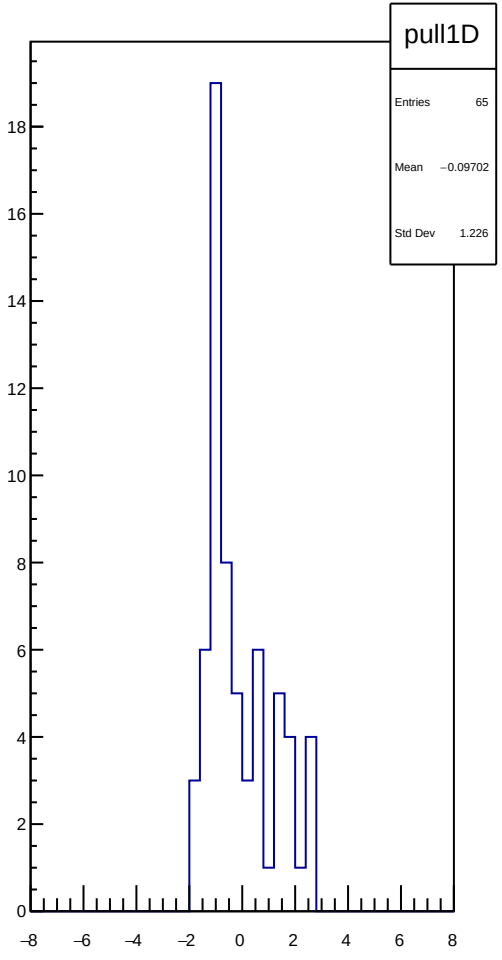

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 143.3 / 64
p0 −2.944 ± 0.6889
pull
Entries 65
Mean −56.11
Std Dev 0
pull1D
Entries 65
Mean 0.08956
Std Dev 1.482

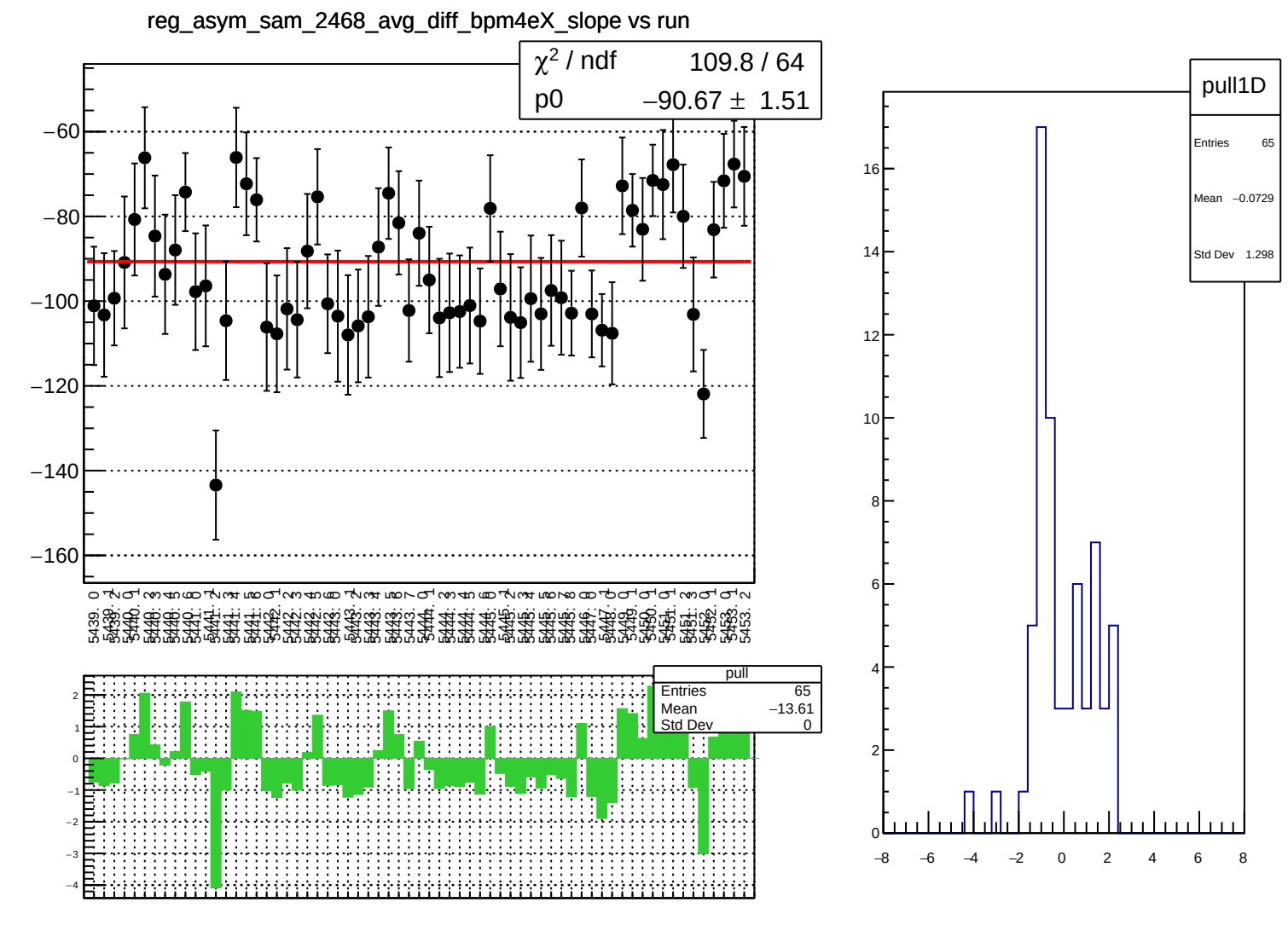

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 100.7 / 64
p0 −0.02961 ± 0.03083
pull
Entries 65
Mean −260.8
Std Dev 0
pull1D
Entries 65
Mean 0.01971
Std Dev 1.244

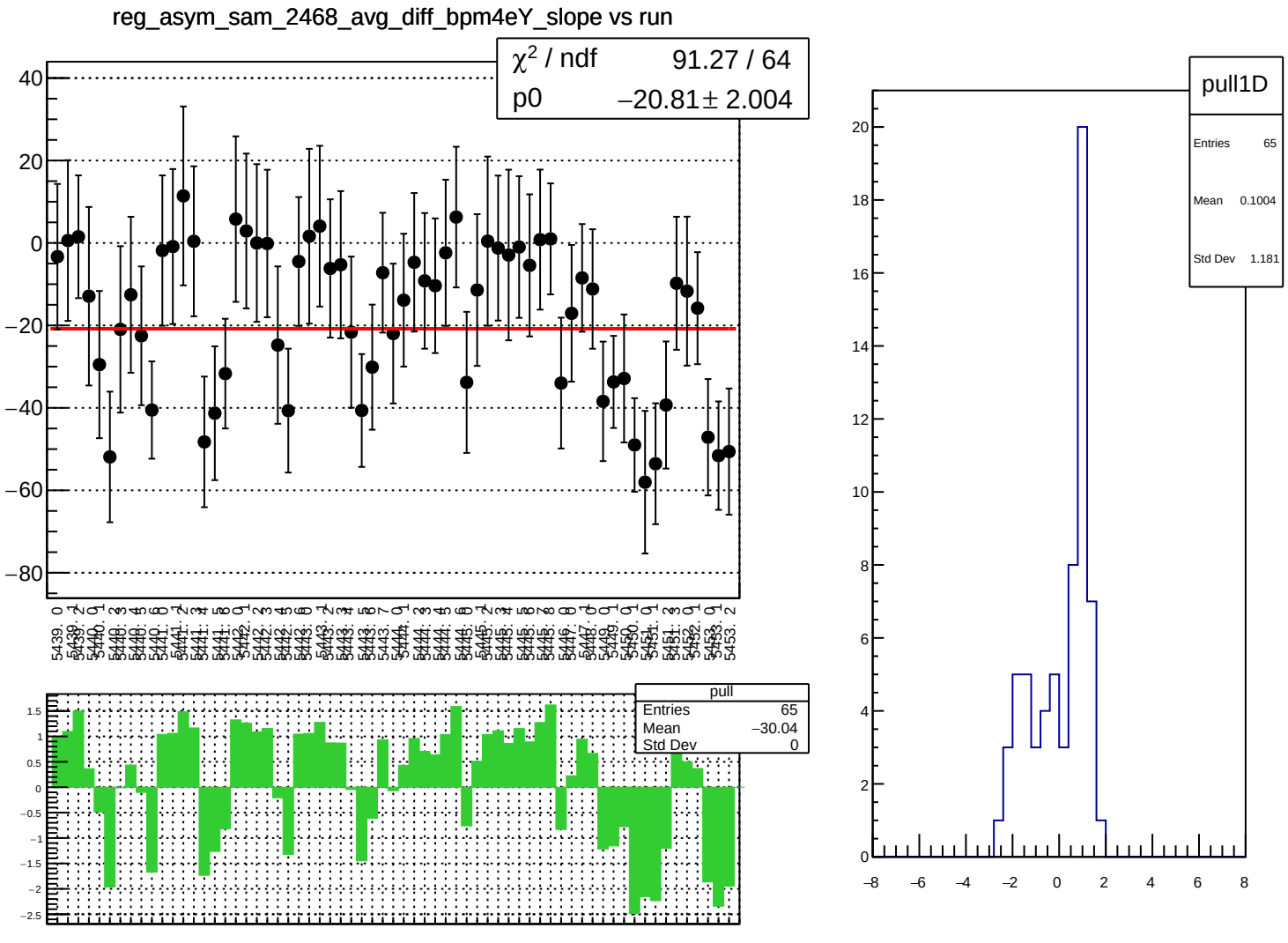

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 153.6 / 64
p0 −30.58 ± 1.93
pull
Entries 65
Mean −22.34
Std Dev 0

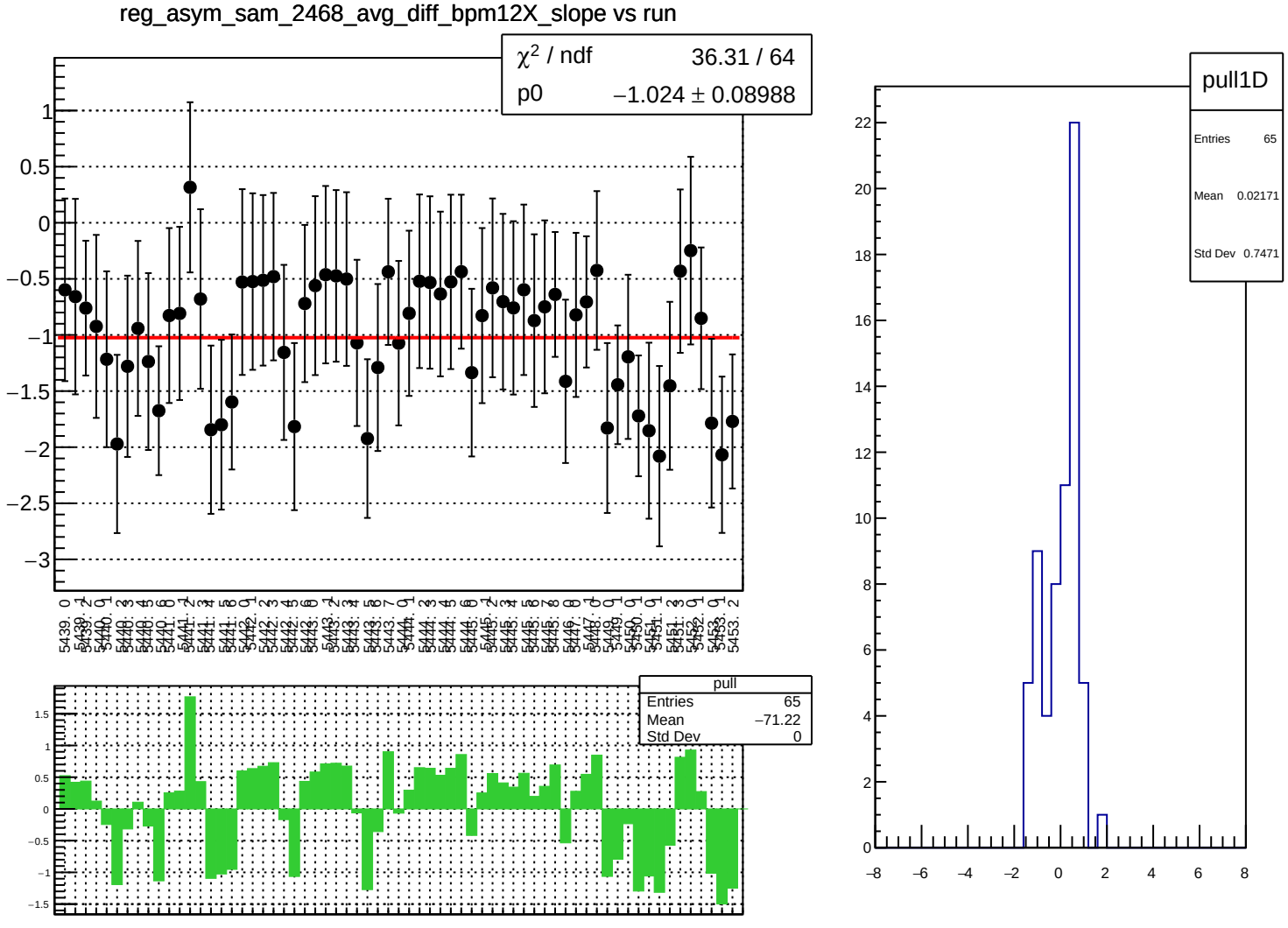

pull1D
Entries 65
Mean 0.08126
Std Dev 1.535

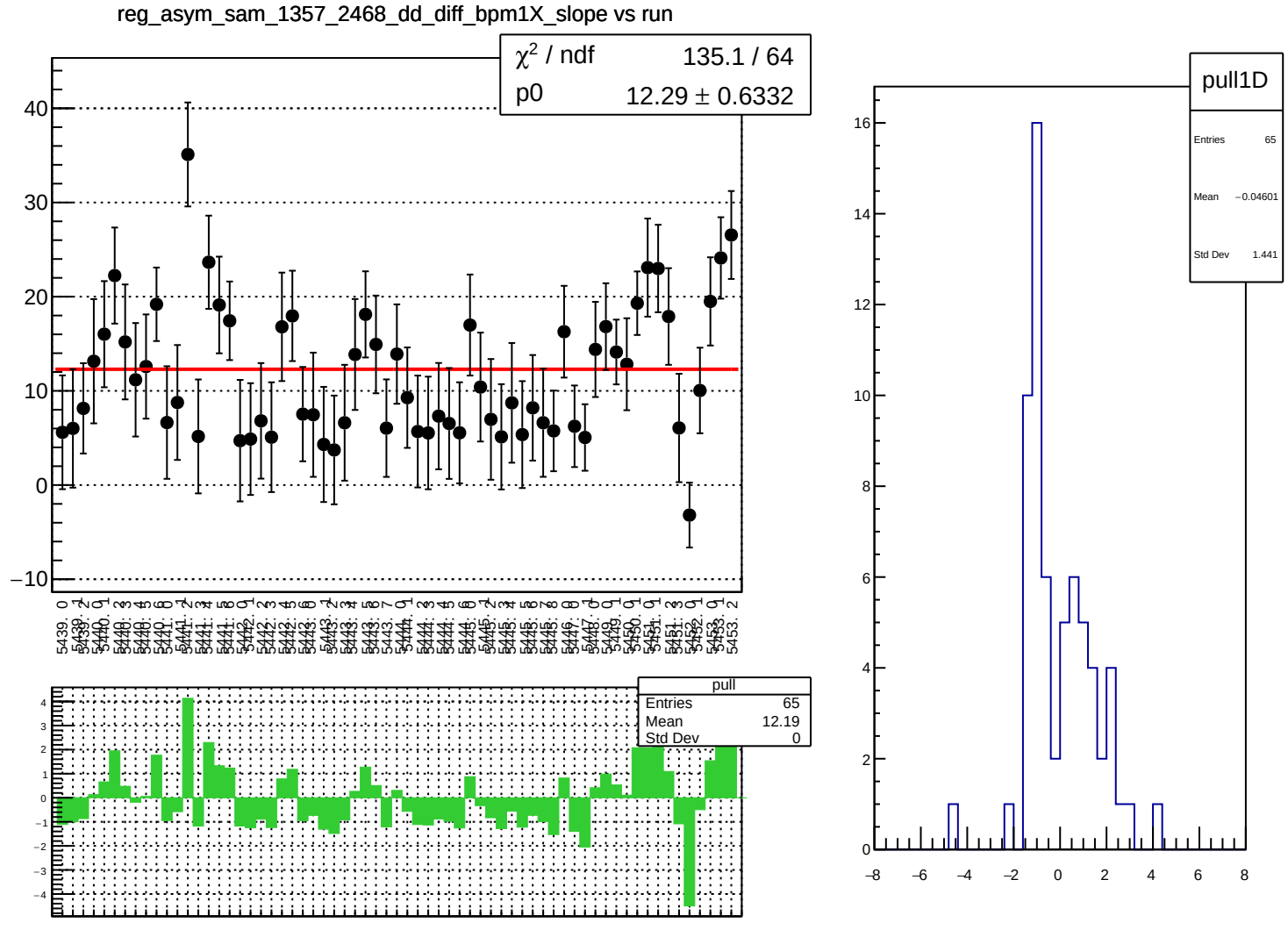

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 98.39 / 64
p0 −3.997 ± 1.572
pull
Entries 65
Mean −42.62
Std Dev 0

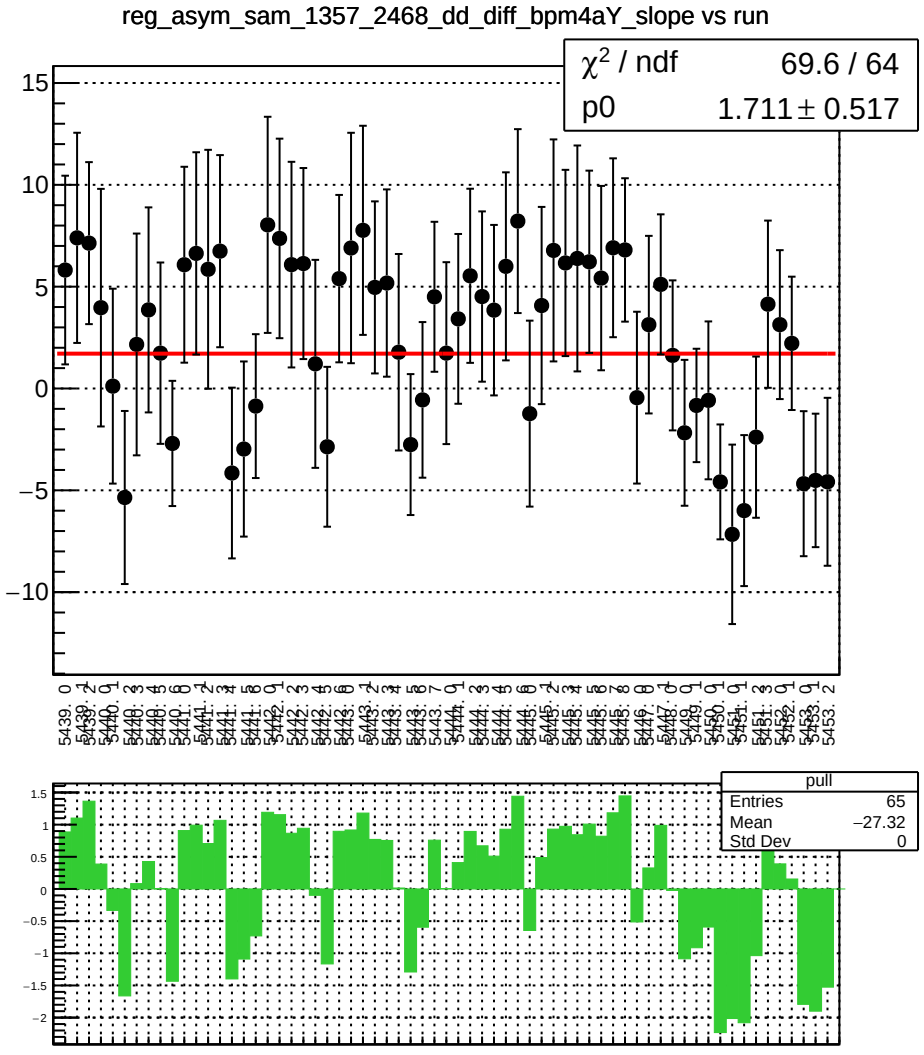

pull1D
Entries 65
Mean −0.09702
Std Dev 1.226

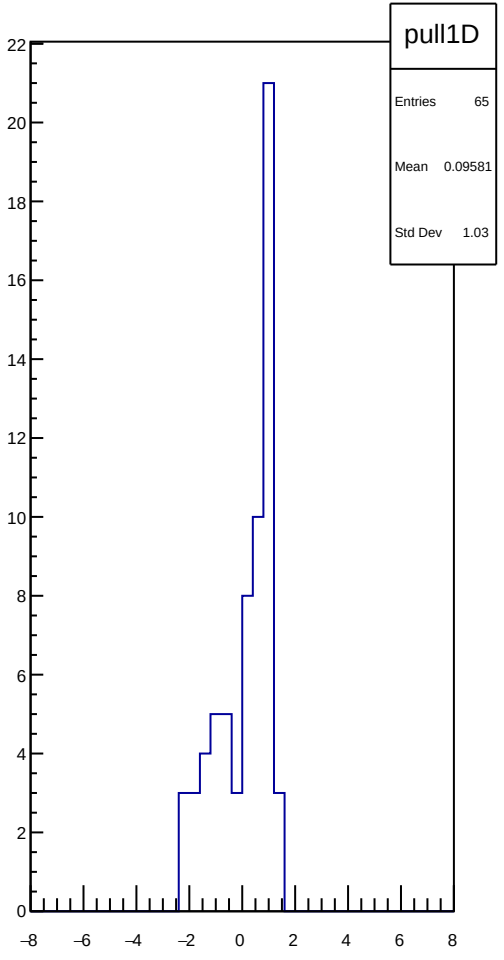

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 109.8 / 64
p0 −90.67 ± 1.51
pull
Entries 65
Mean −13.61
Std Dev 0
pull1D
Entries 65
Mean −0.0729
Std Dev 1.298

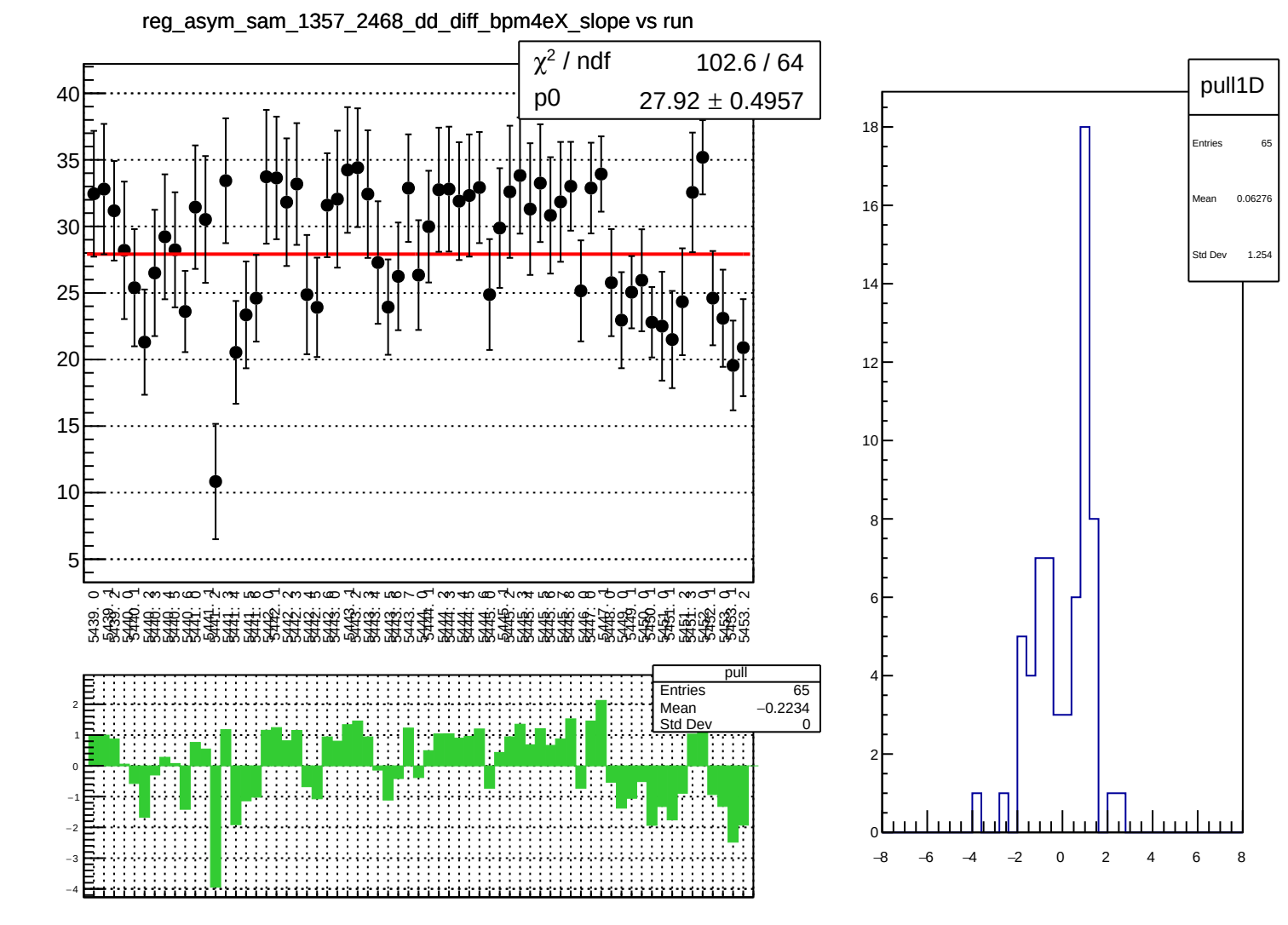

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 91.27 / 64
p0 −20.81 ± 2.004
pull
Entries 65
Mean −30.04
Std Dev 0
pull1D
Entries 65
Mean 0.1004
Std Dev 1.181

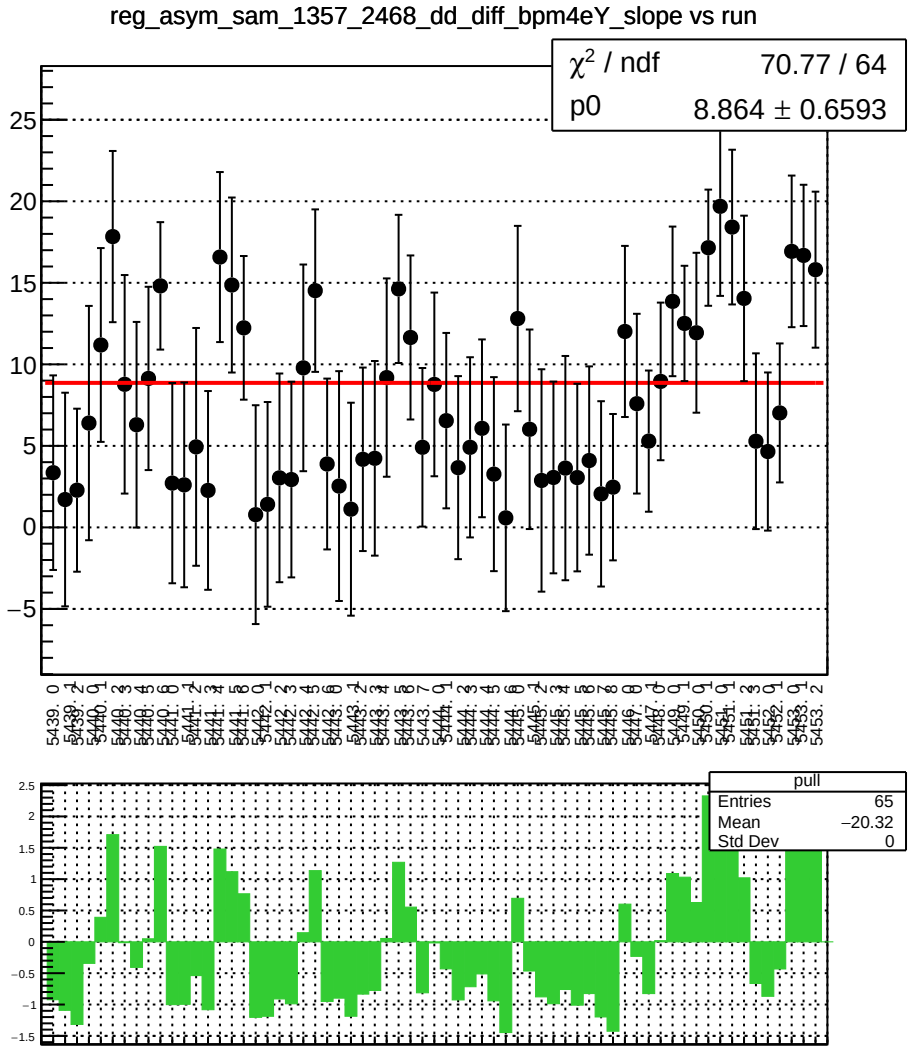

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 36.31 / 64
p0 −1.024 ± 0.08988
pull
Entries 65
Mean −71.22
Std Dev 0
pull1D
Entries 65
Mean 0.02171
Std Dev 0.7471

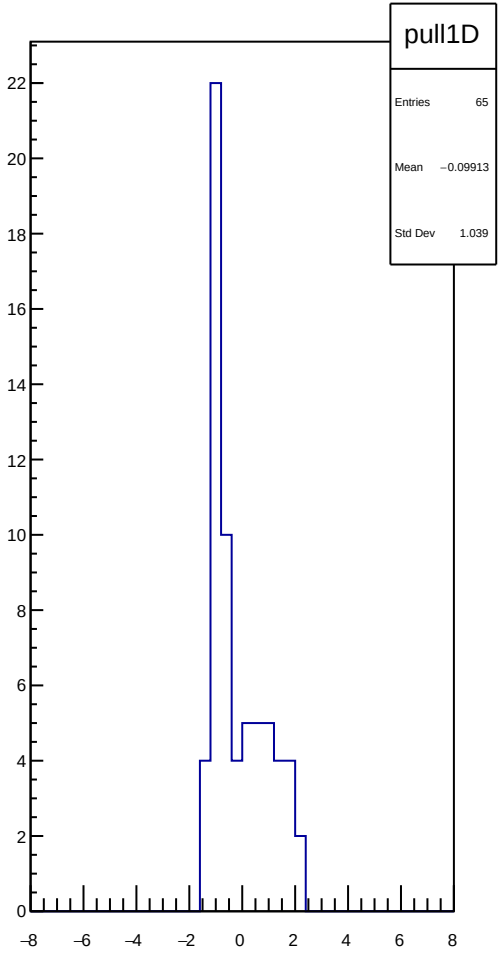

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 135.1 / 64
p0 12.29 ± 0.6332
pull
Entries 65
Mean 12.19
Std Dev 0
pull1D
Entries 65
Mean −0.04601
Std Dev 1.441

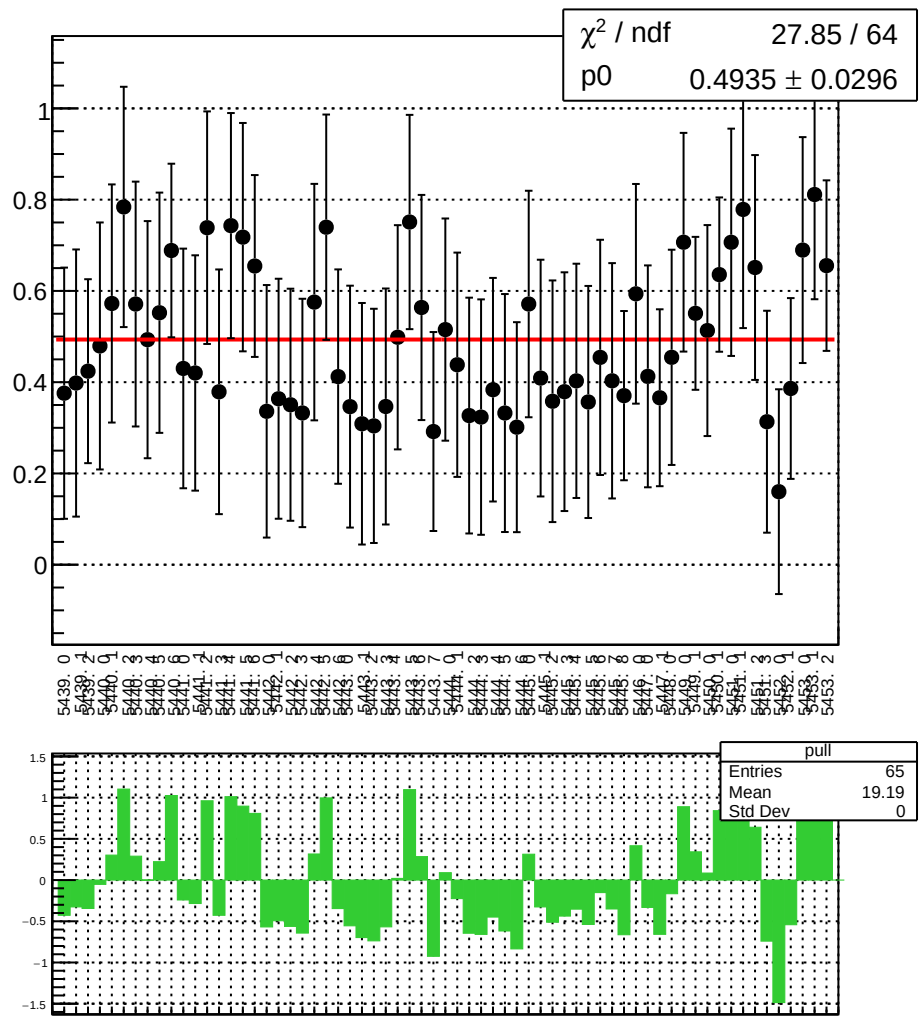

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.6 / 64
p0 1.711 ± 0.517
pull
Entries 65
Mean −27.32
Std Dev 0

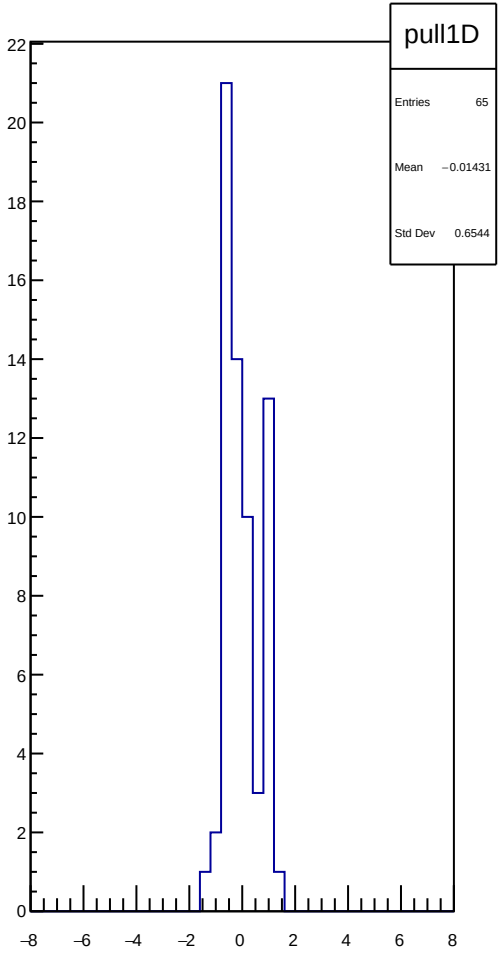

pull1D
Entries 65
Mean 0.09581
Std Dev 1.03

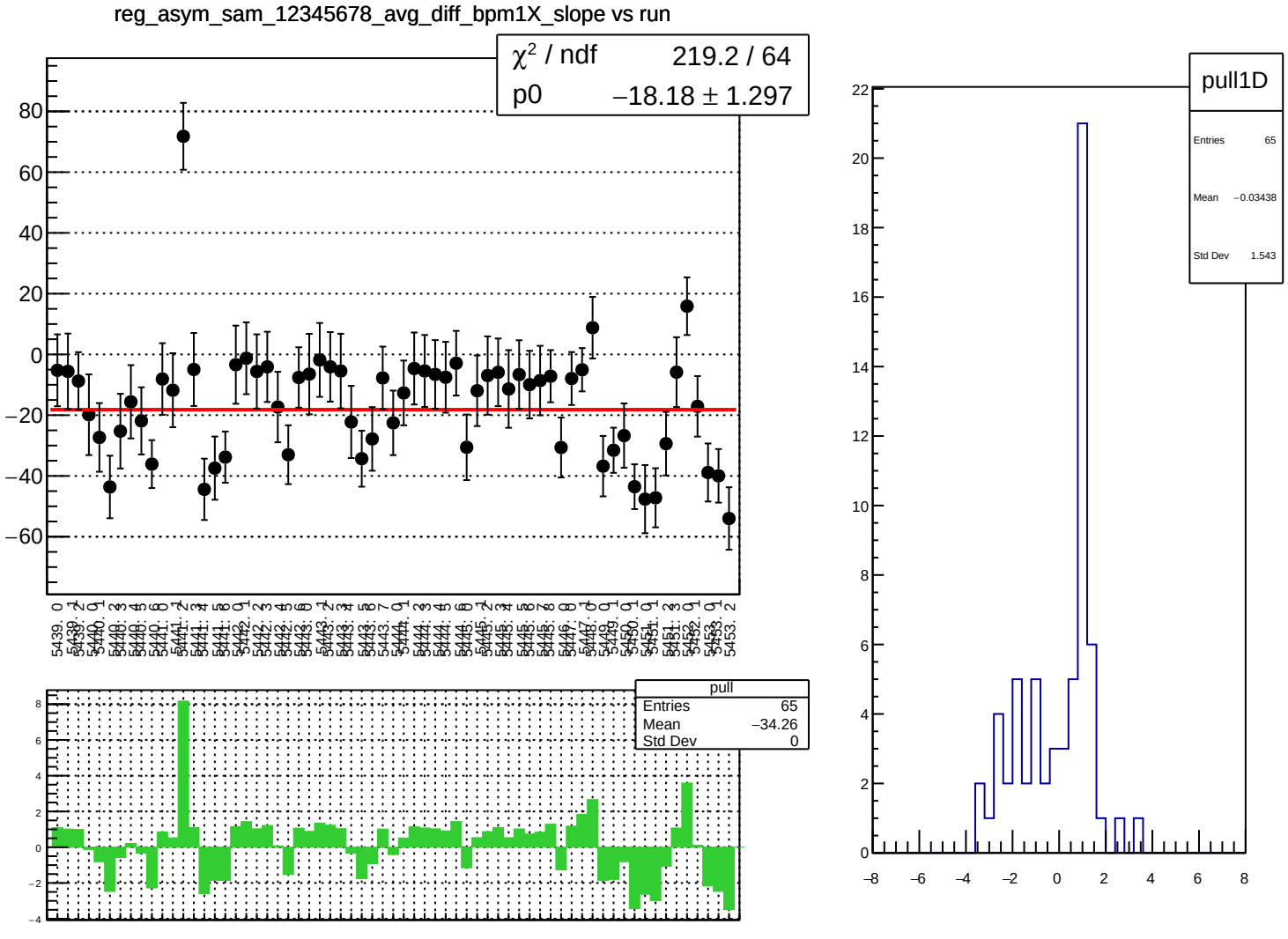

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.6 / 64
p0 27.92 ± 0.4957
pull
Entries 65
Mean −0.2234
Std Dev 0
pull1D
Entries 65
Mean 0.06276
Std Dev 1.254

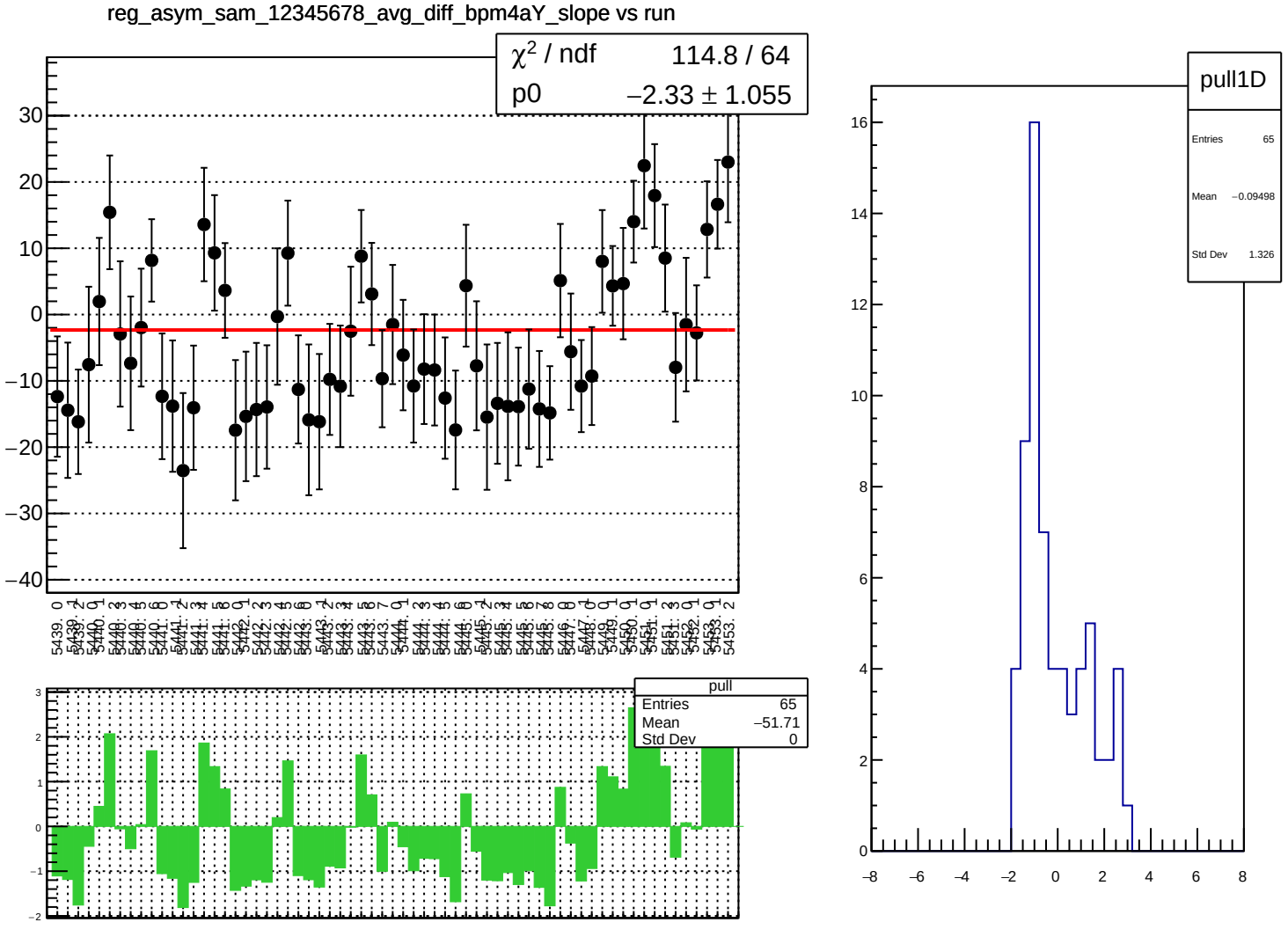

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.77 / 64
p0 8.864 ± 0.6593
pull
Entries 65
Mean −20.32
Std Dev 0

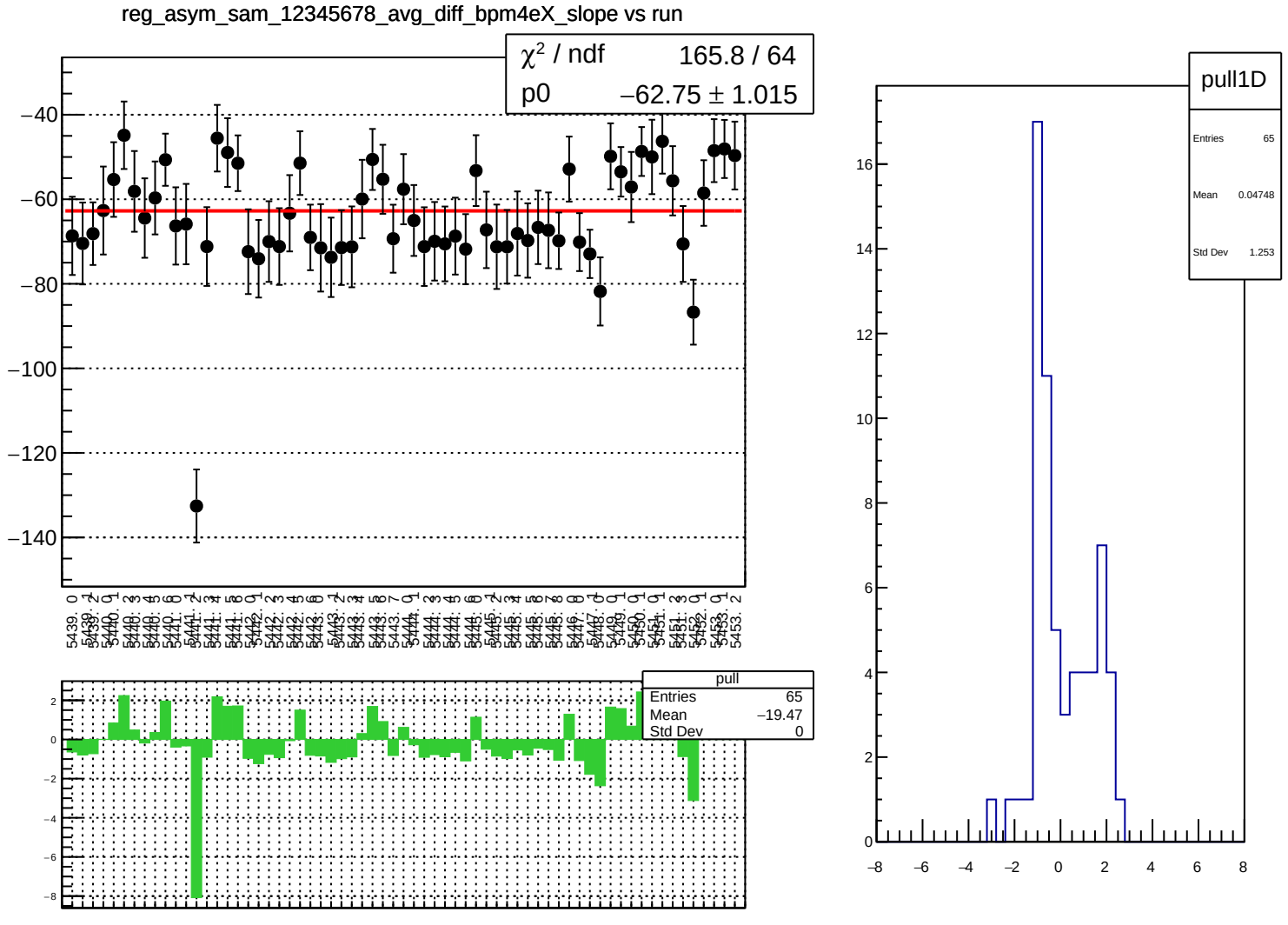

pull1D
Entries 65
Mean −0.09913
Std Dev 1.039

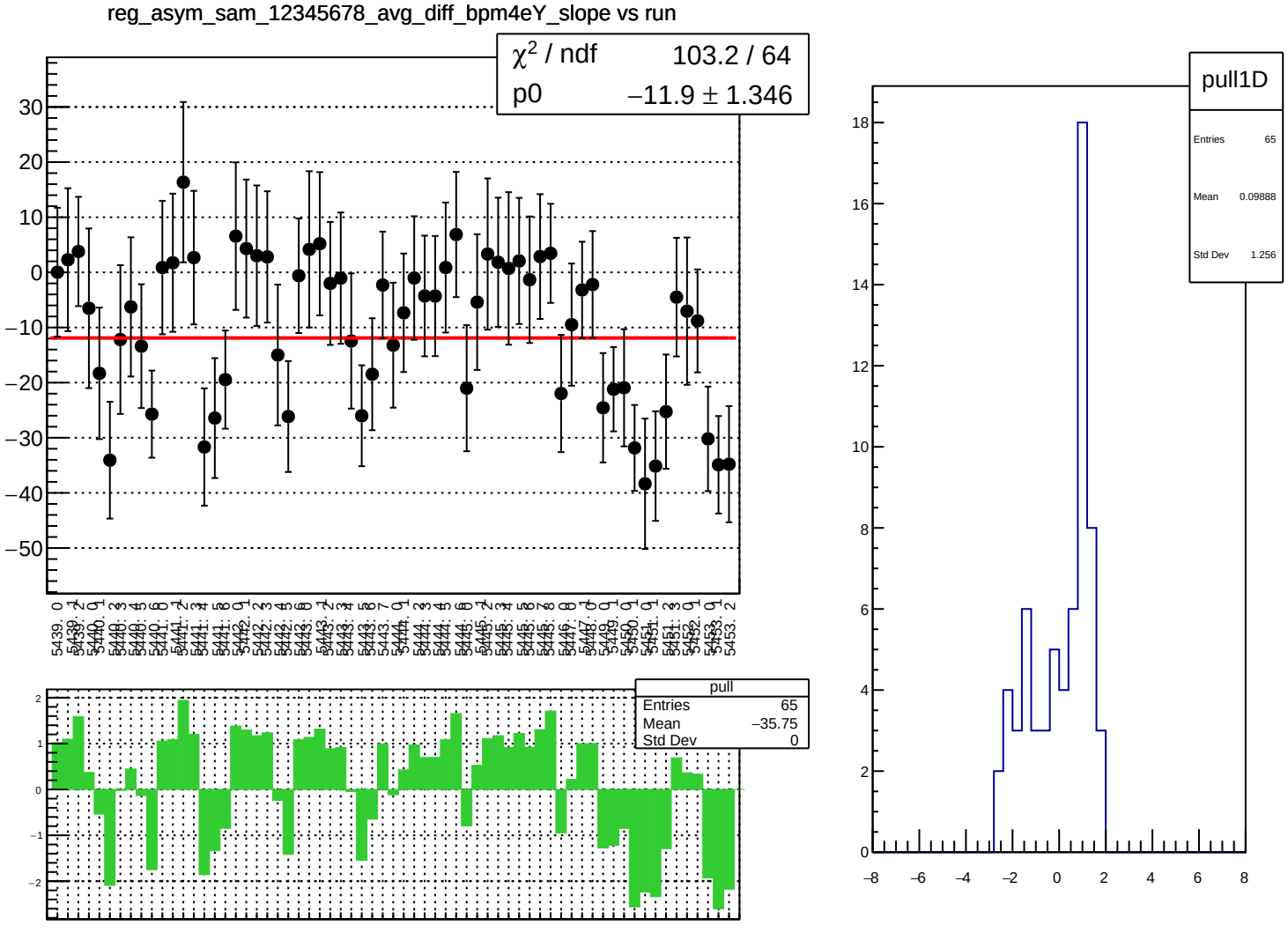

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 27.85 / 64
p0 0.4935 ± 0.0296
pull
Entries 65
Mean 19.19
Std Dev 0

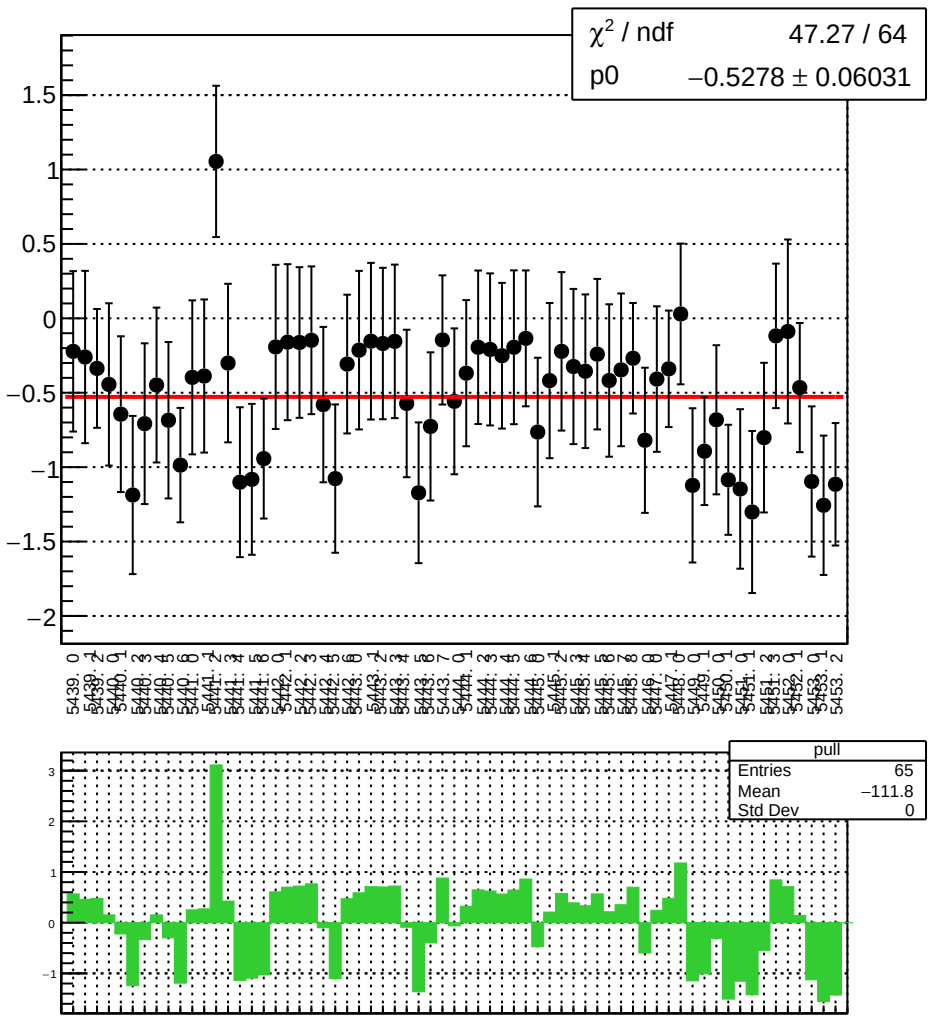

pull1D
Entries 65
Mean −0.01431
Std Dev 0.6544

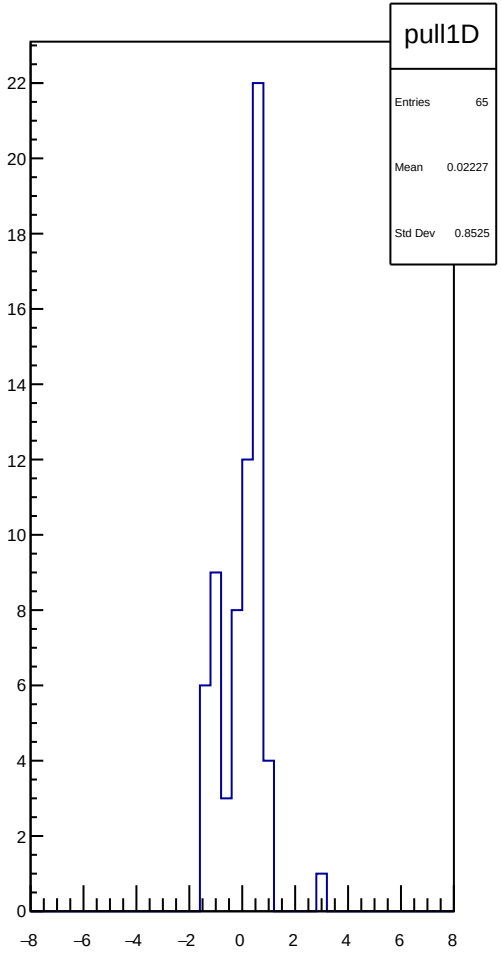

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 219.2 / 64
p0 −18.18 ± 1.297
pull
Entries 65
Mean −34.26
Std Dev 0
pull1D
Entries 65
Mean −0.03438
Std Dev 1.543

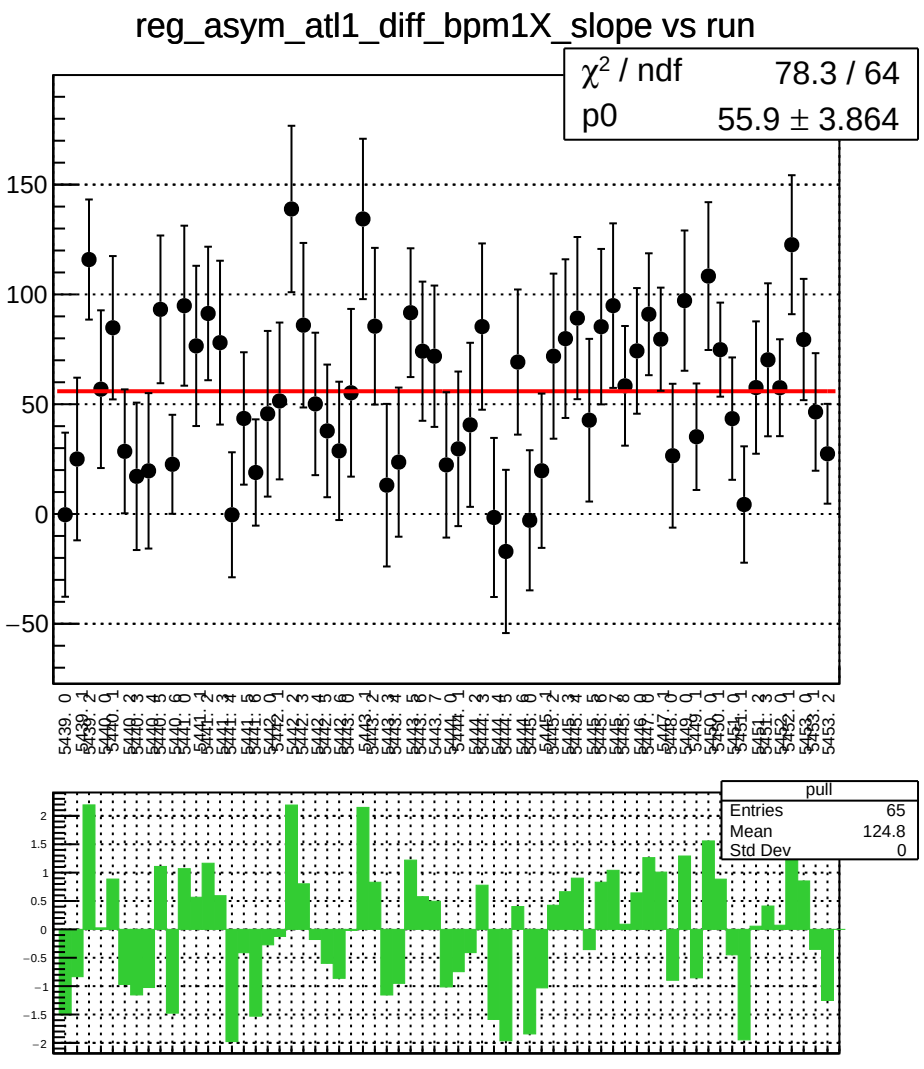

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 114.8 / 64
p0 −2.33 ± 1.055
pull
Entries 65
Mean −51.71
Std Dev 0
pull1D
Entries 65
Mean −0.09498
Std Dev 1.326

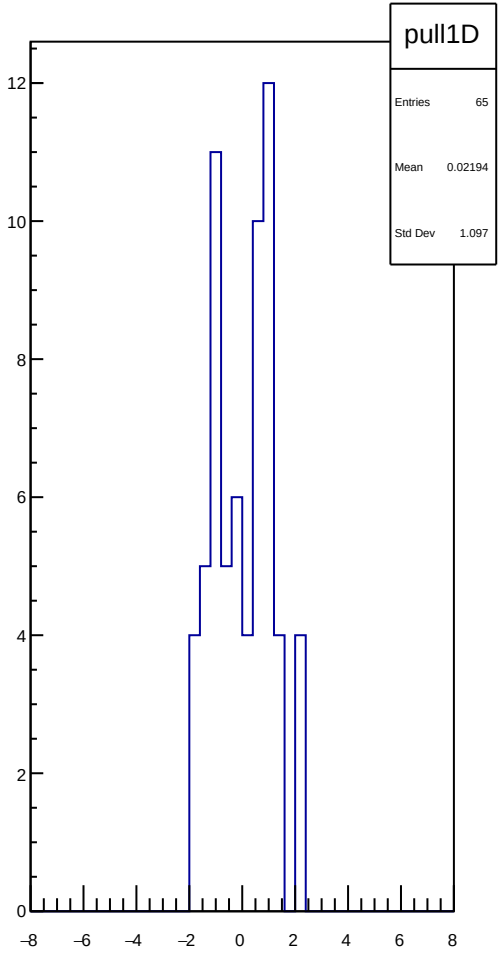

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 165.8 / 64
p0 −62.75 ± 1.015
pull
Entries 65
Mean −19.47
Std Dev 0
pull1D
Entries 65
Mean 0.04748
Std Dev 1.253

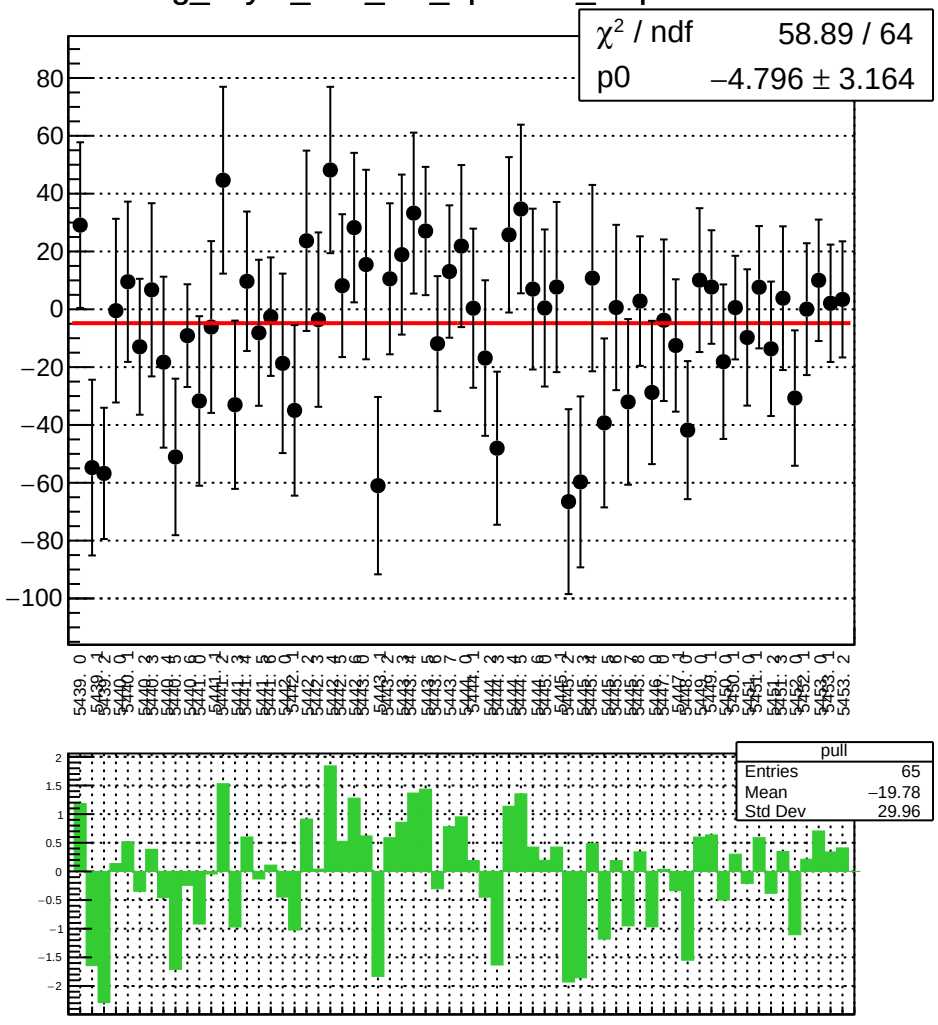

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 103.2 / 64
p0 −11.9 ± 1.346
pull
Entries 65
Mean −35.75
Std Dev 0
pull1D
Entries 65
Mean 0.09888
Std Dev 1.256

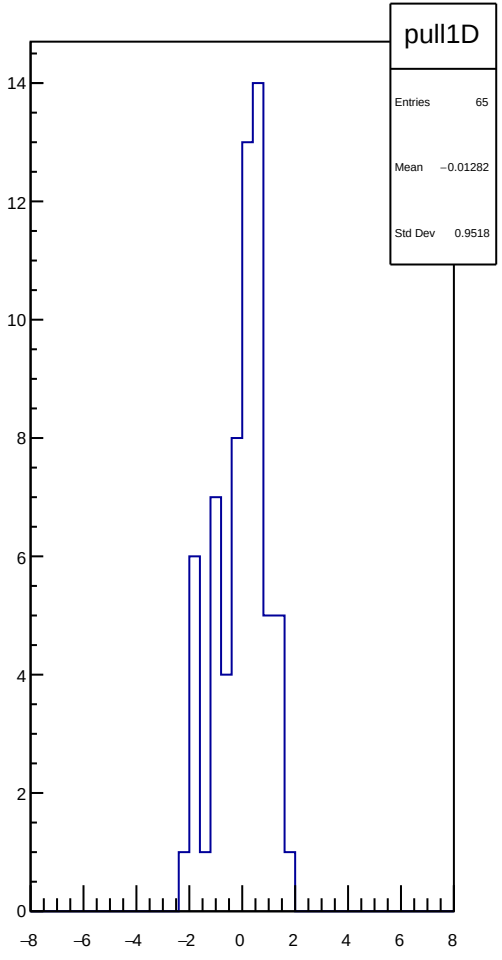

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 47.27 / 64
p0 −0.5278 ± 0.06031
pull
Entries 65
Mean −111.8
Std Dev 0

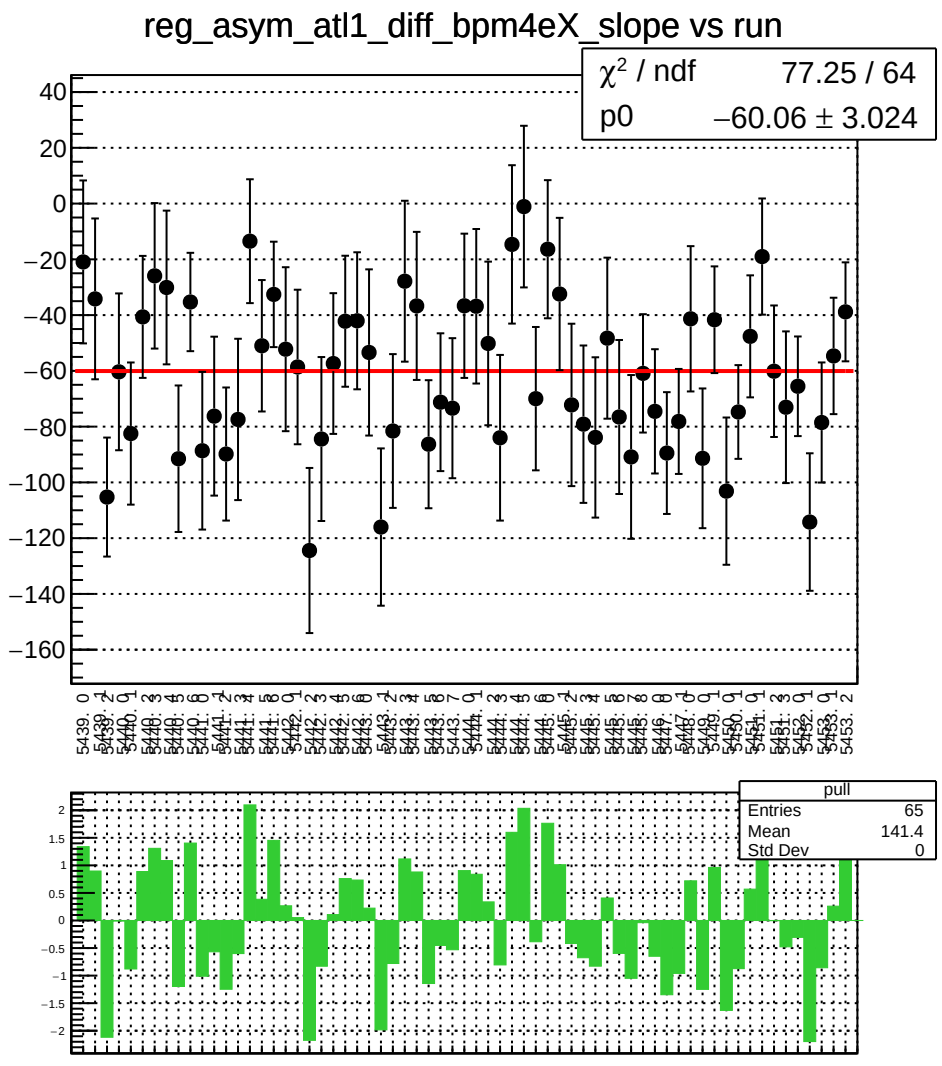

pull1D
Entries 65
Mean 0.02227
Std Dev 0.8525

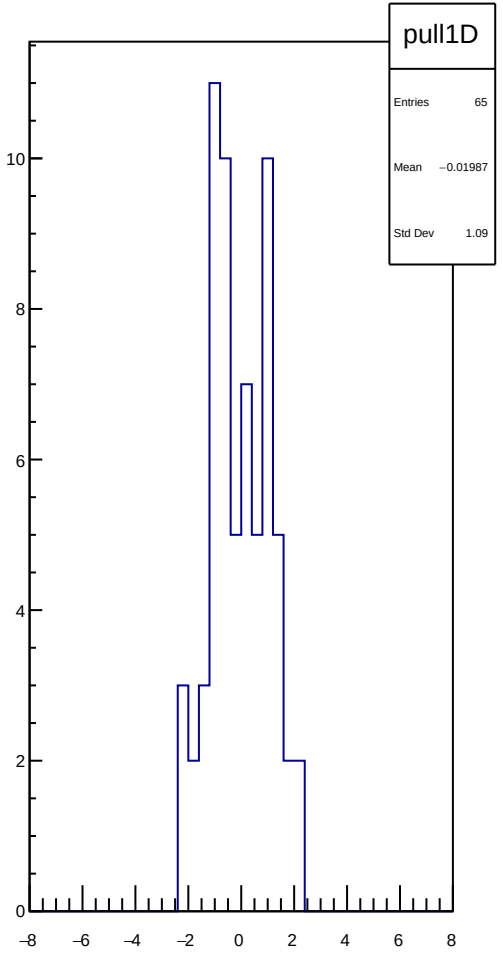

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 78.3 / 64
p0 55.9 ± 3.864
150
100
50
0
−50
pull
Entries 65
Mean 124.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

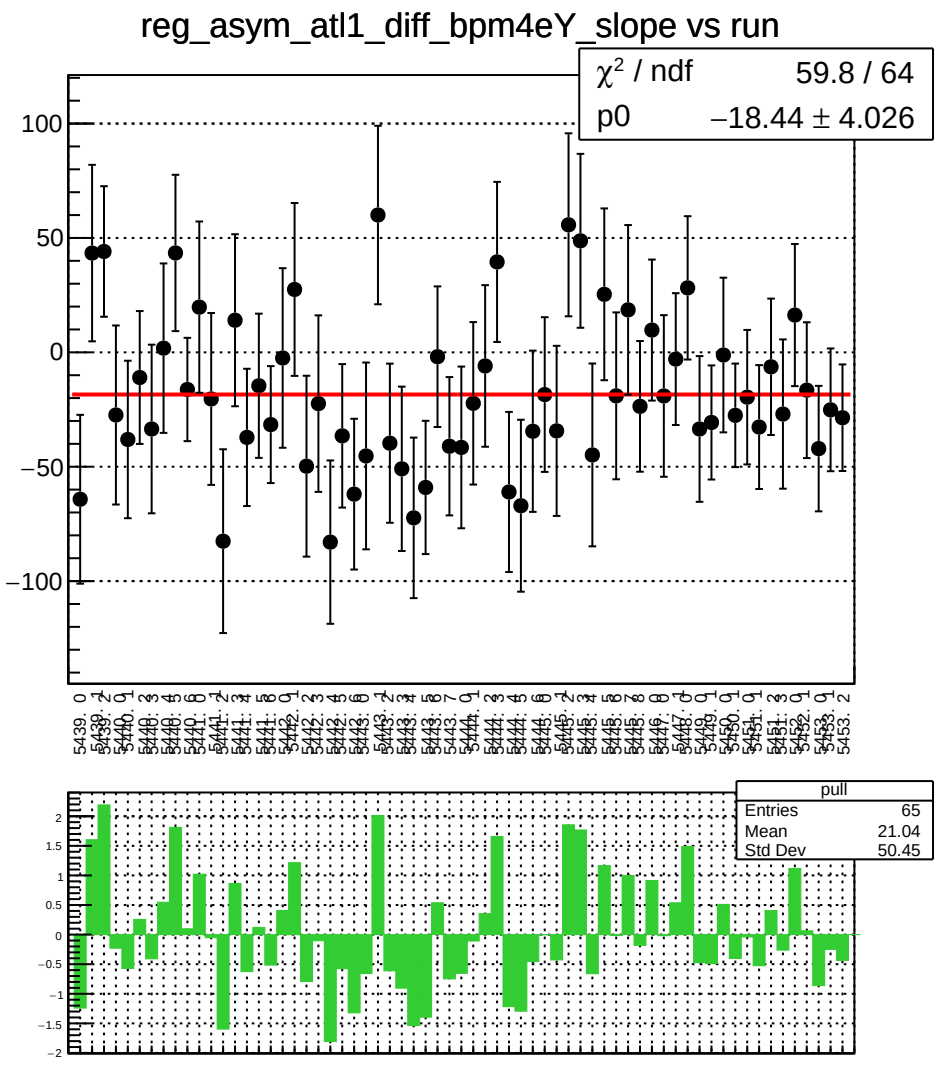

pull1D
Entries 65
Mean 0.02194
Std Dev 1.097
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

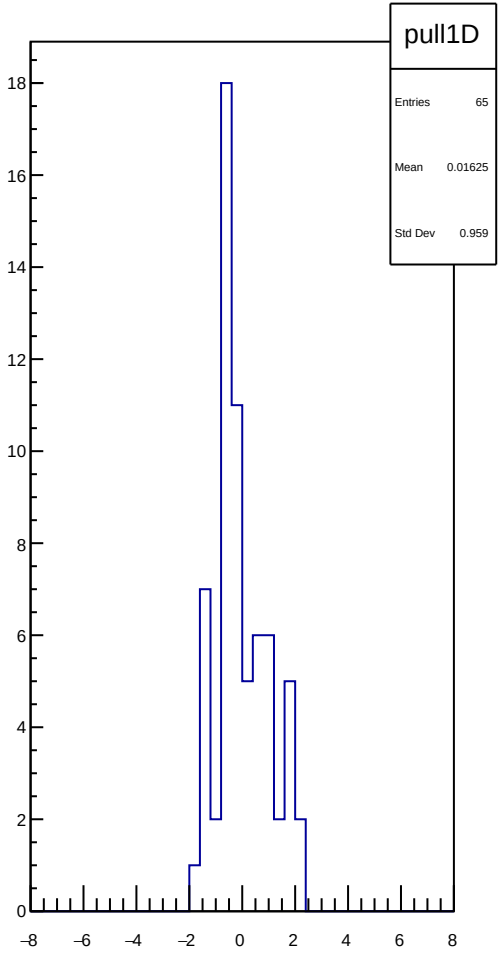

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 58.89 / 64
p0 −4.796 ± 3.164
pull
Entries 65
Mean −19.78
Std Dev 29.96

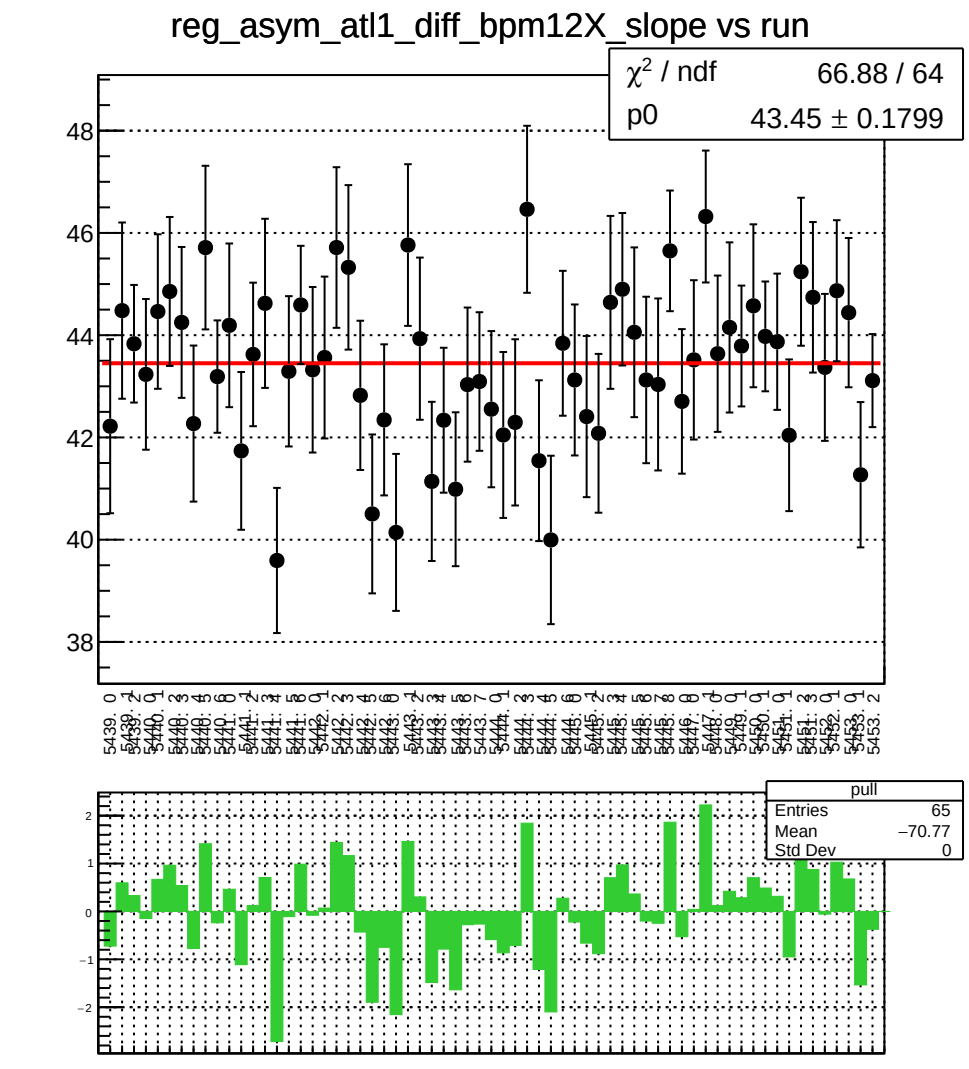

pull1D
Entries 65
Mean −0.01282
Std Dev 0.9518

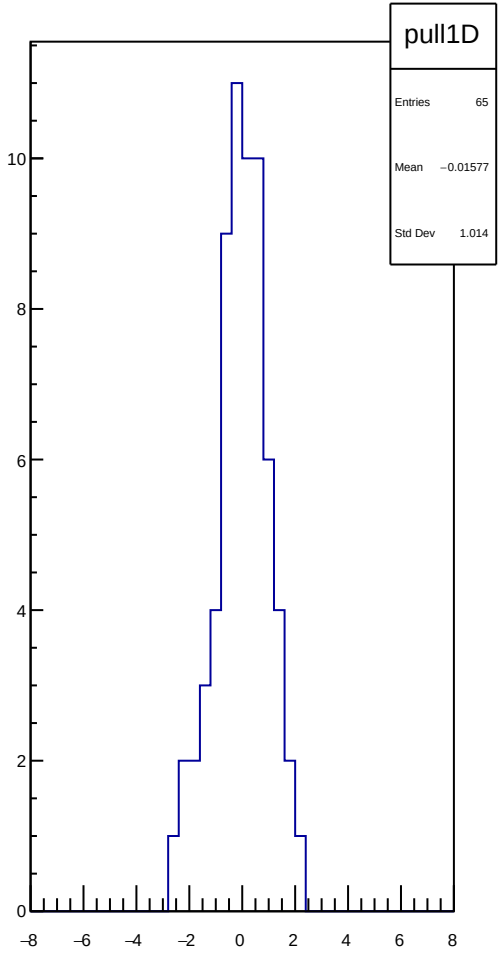

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 77.25 / 64
p0 −60.06 ± 3.024
pull
Entries 65
Mean 141.4
Std Dev 0

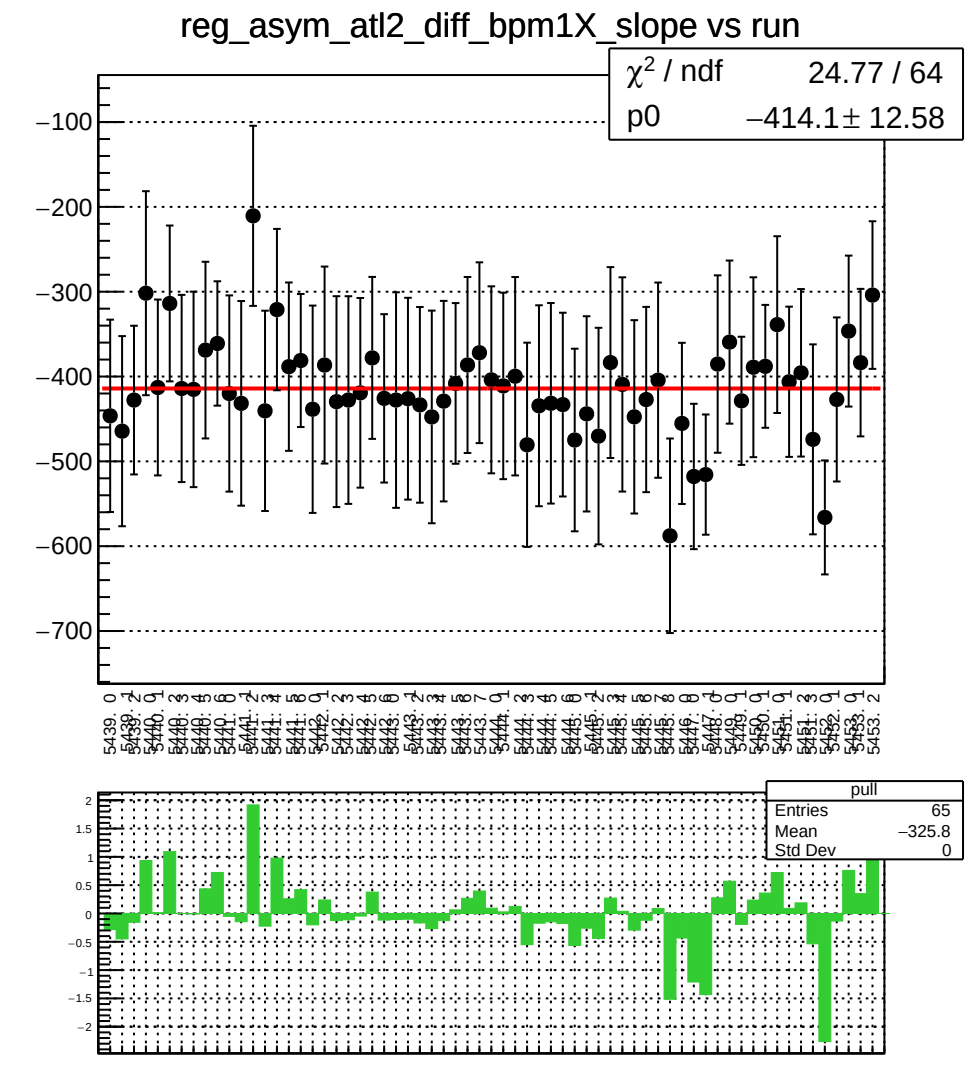

pull1D
Entries 65
Mean −0.01987
Std Dev 1.09

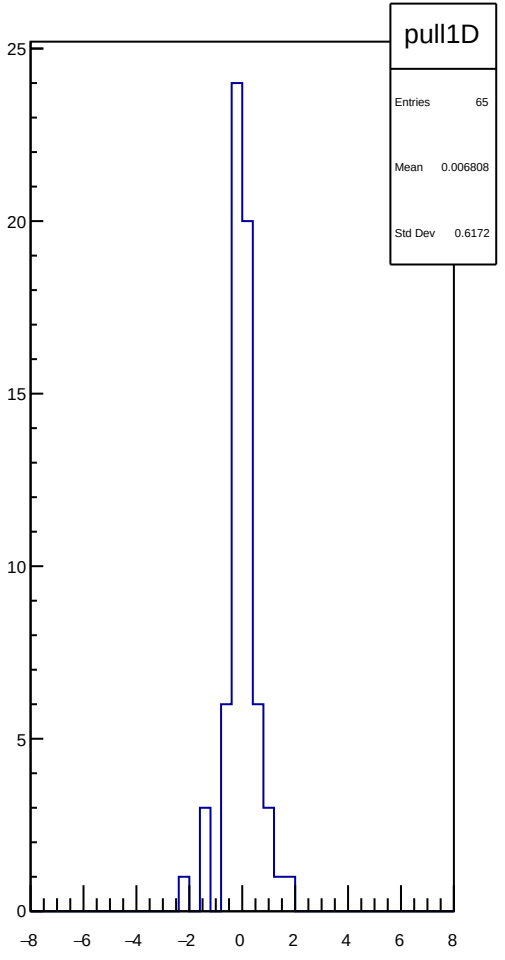

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 59.8 / 64
p0 −18.44 ± 4.026
pull
Entries 65
Mean 21.04
Std Dev 50.45

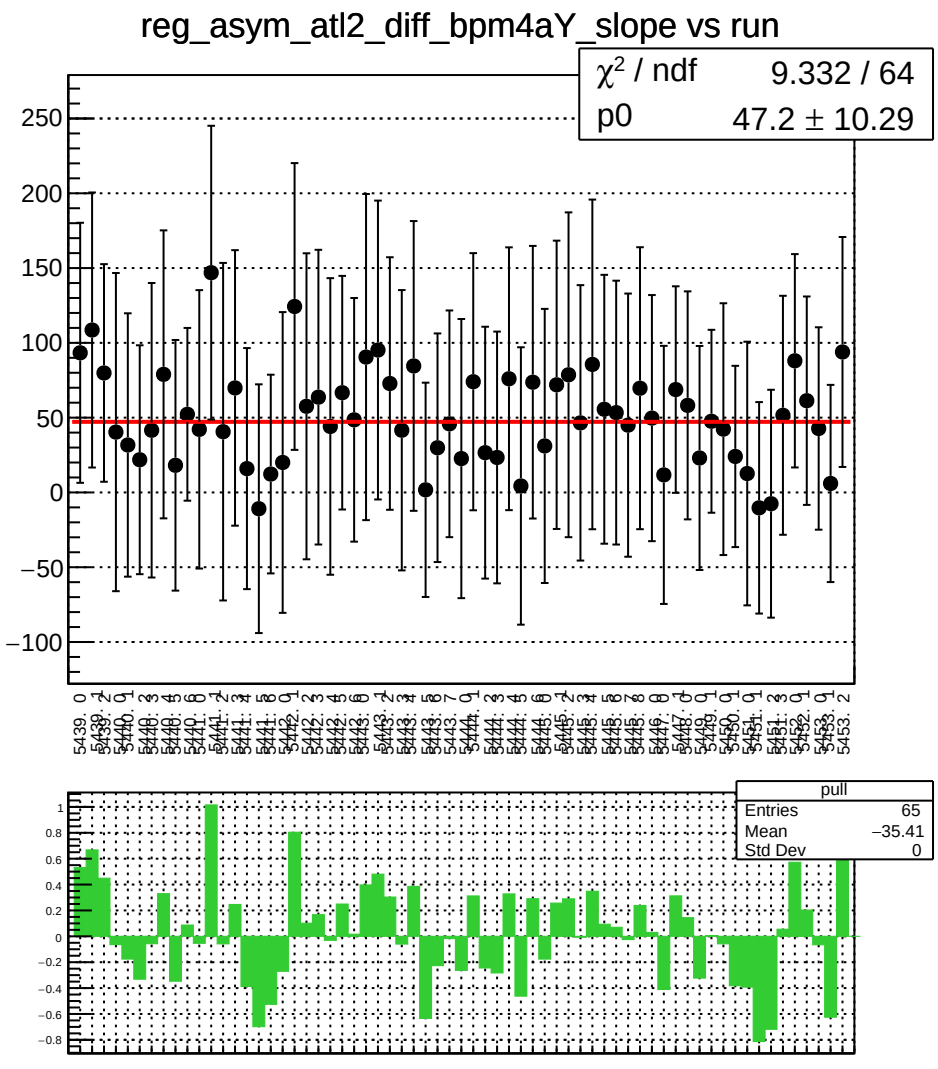

pull1D
Entries 65
Mean 0.01625
Std Dev 0.959

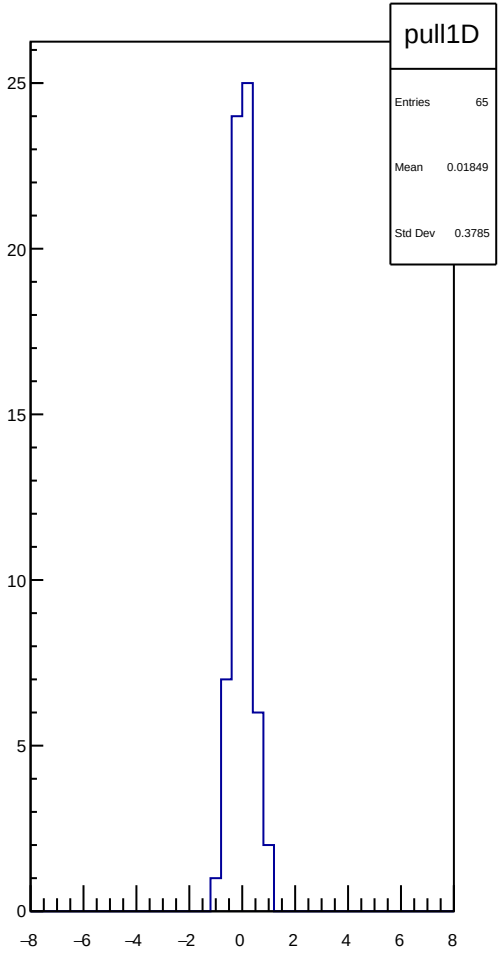

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 66.88 / 64
p0 43.45 ± 0.1799
48
46
44
42
40
38
pull
Entries 65
Mean −70.77
Std Dev 0
2
1
0
−1
−2

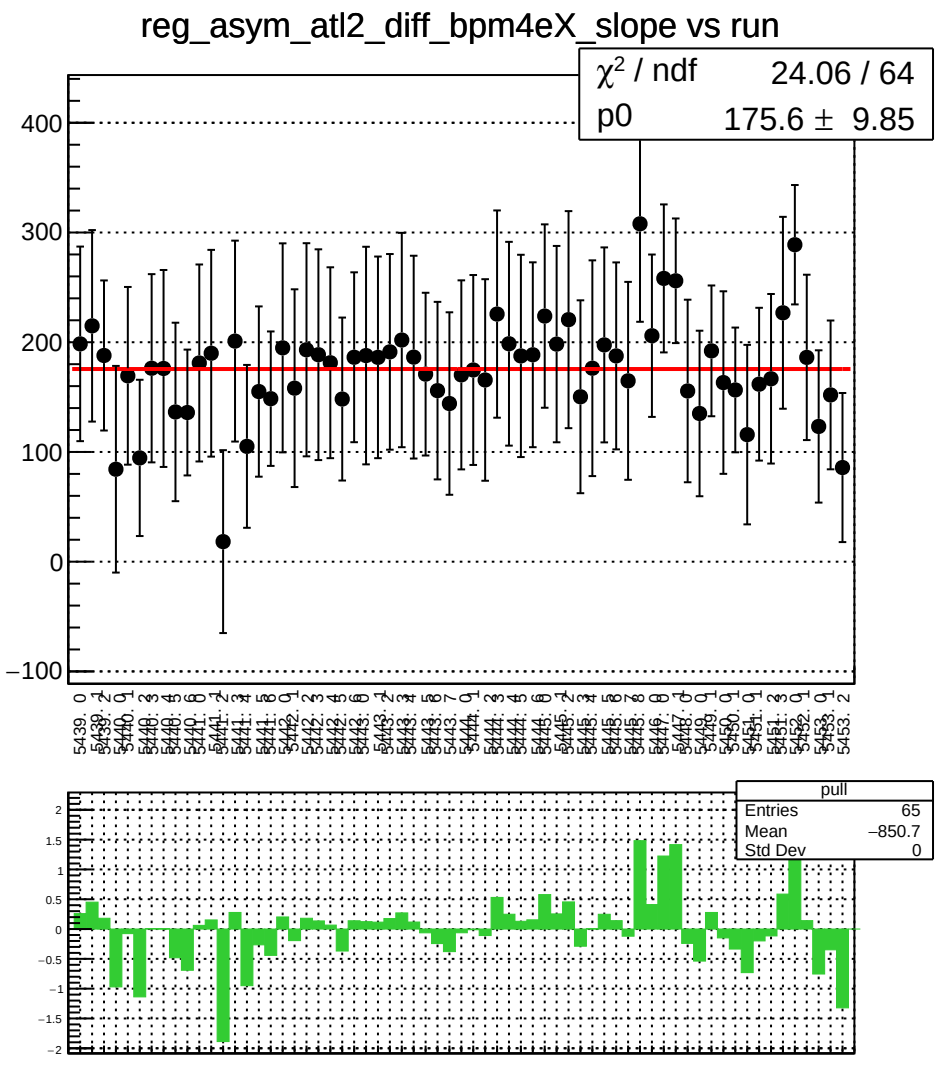

pull1D
Entries 65
Mean −0.01577
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

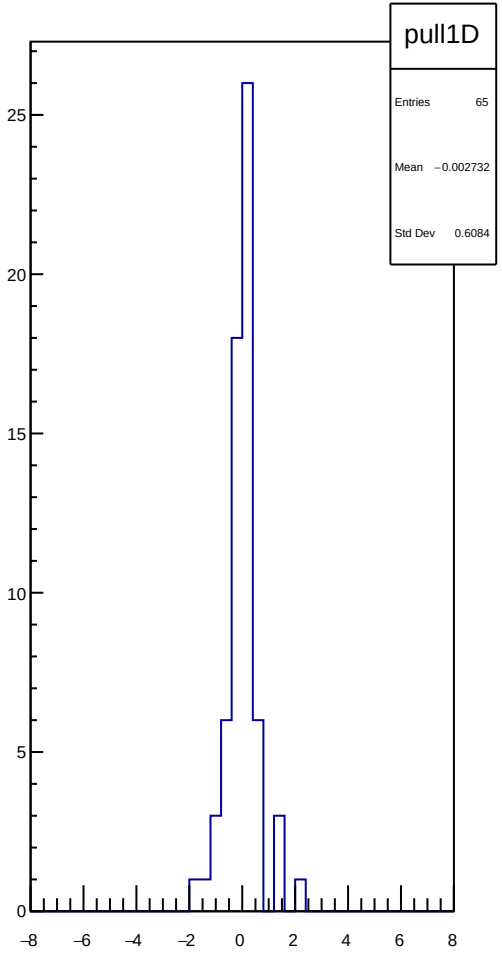

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 24.77 / 64
p0 −414.1 ± 12.58
pull
Entries 65
Mean −325.8
Std Dev 0

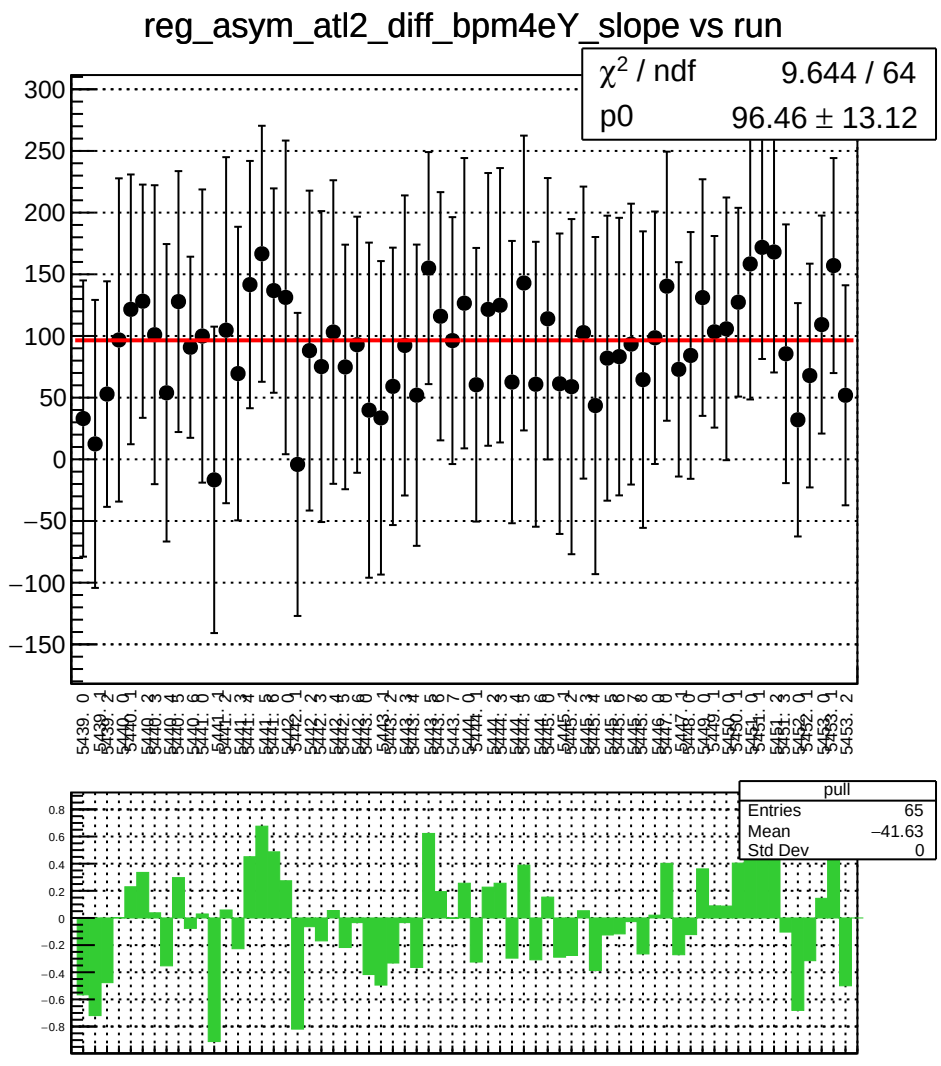

pull1D
Entries 65
Mean 0.006808
Std Dev 0.6172

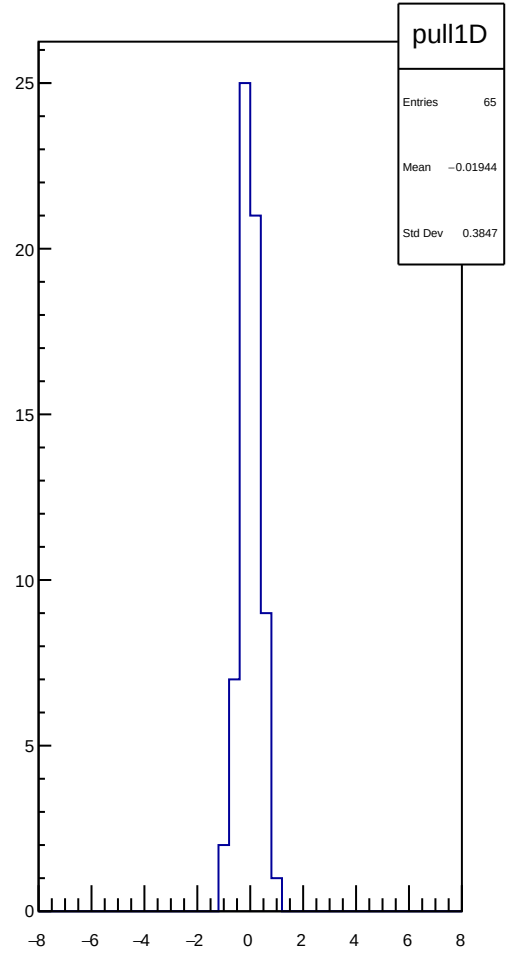

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.332 / 64
p0 47.2 ± 10.29
pull
Entries 65
Mean −35.41
Std Dev 0

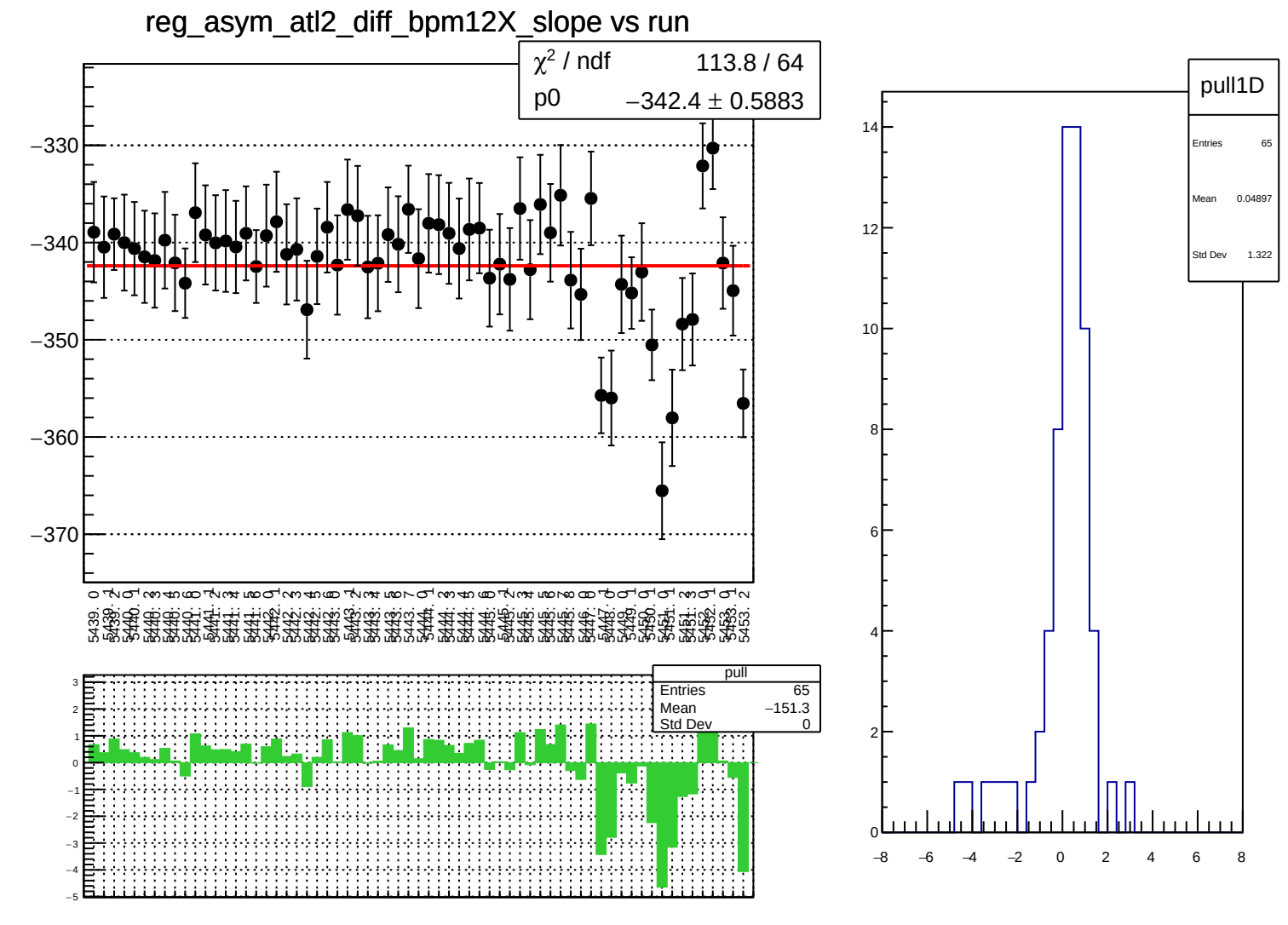

pull1D
Entries 65
Mean 0.01849
Std Dev 0.3785

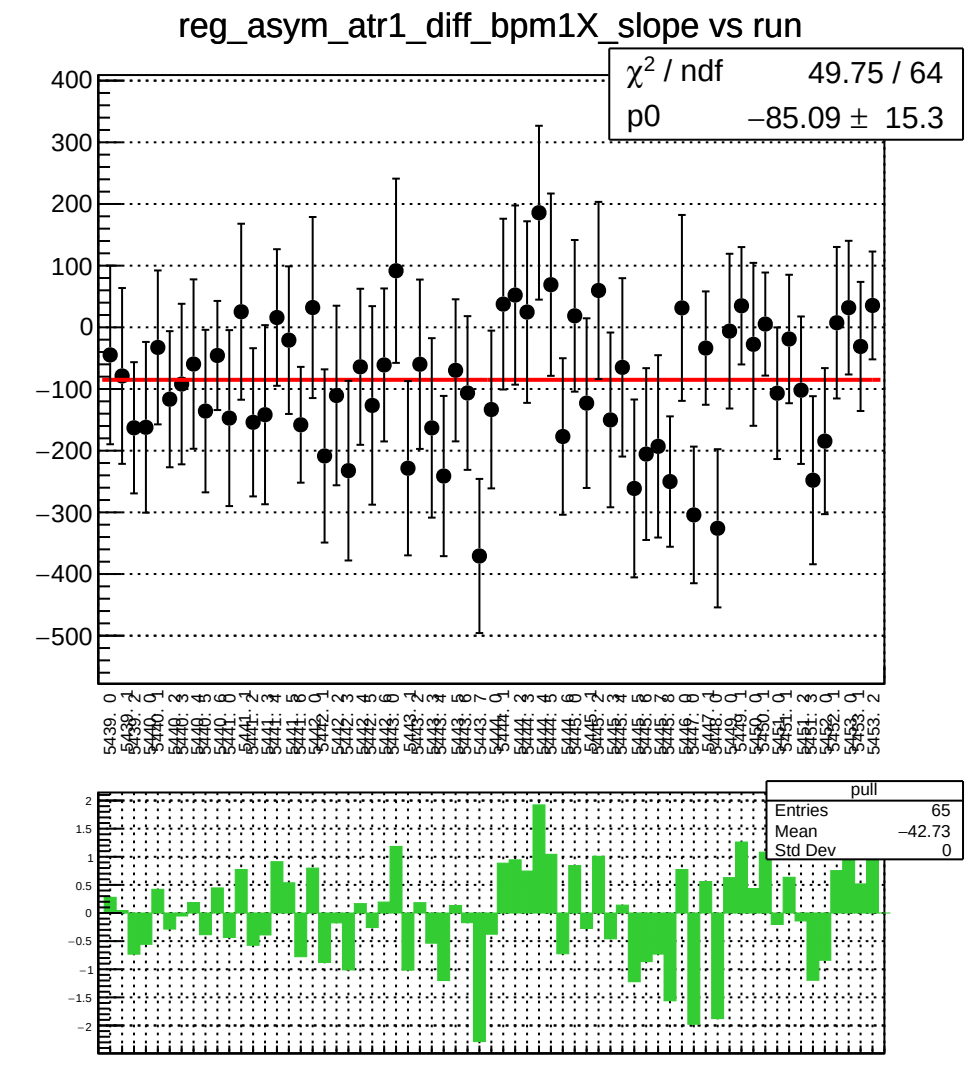

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 24.06 / 64
p0 175.6 ± 9.85
pull
Entries 65
Mean −850.7
Std Dev 0

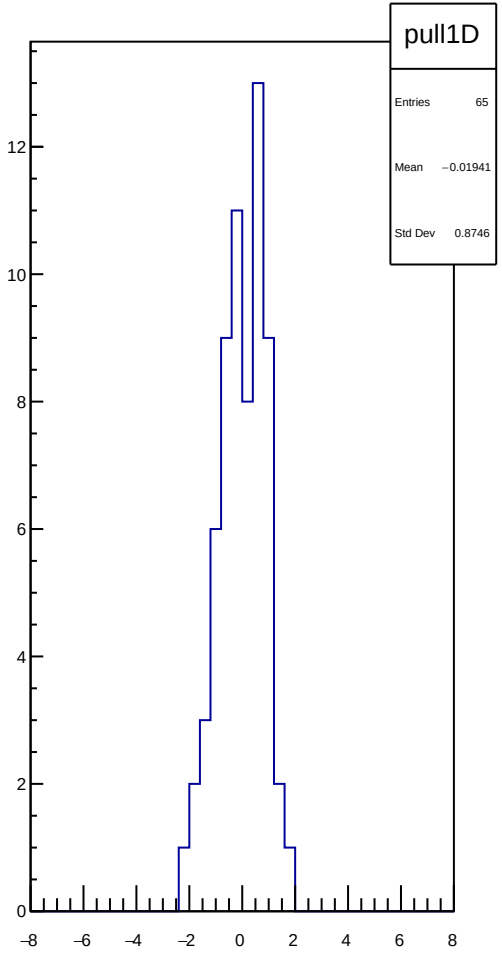

pull1D
Entries 65
Mean −0.002732
Std Dev 0.6084

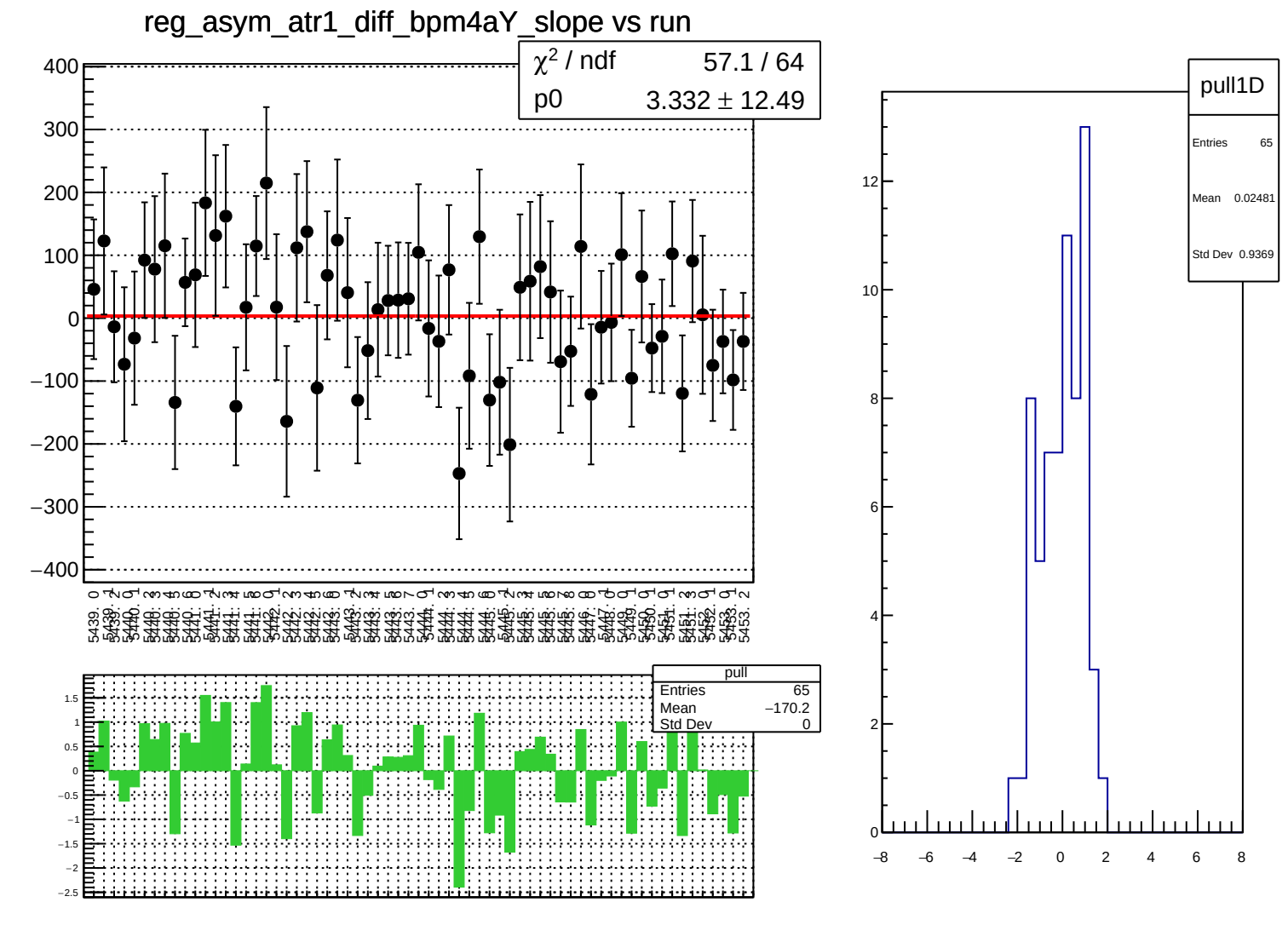

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.644 / 64
p0 96.46 ± 13.12
pull
Entries 65
Mean −41.63
Std Dev 0

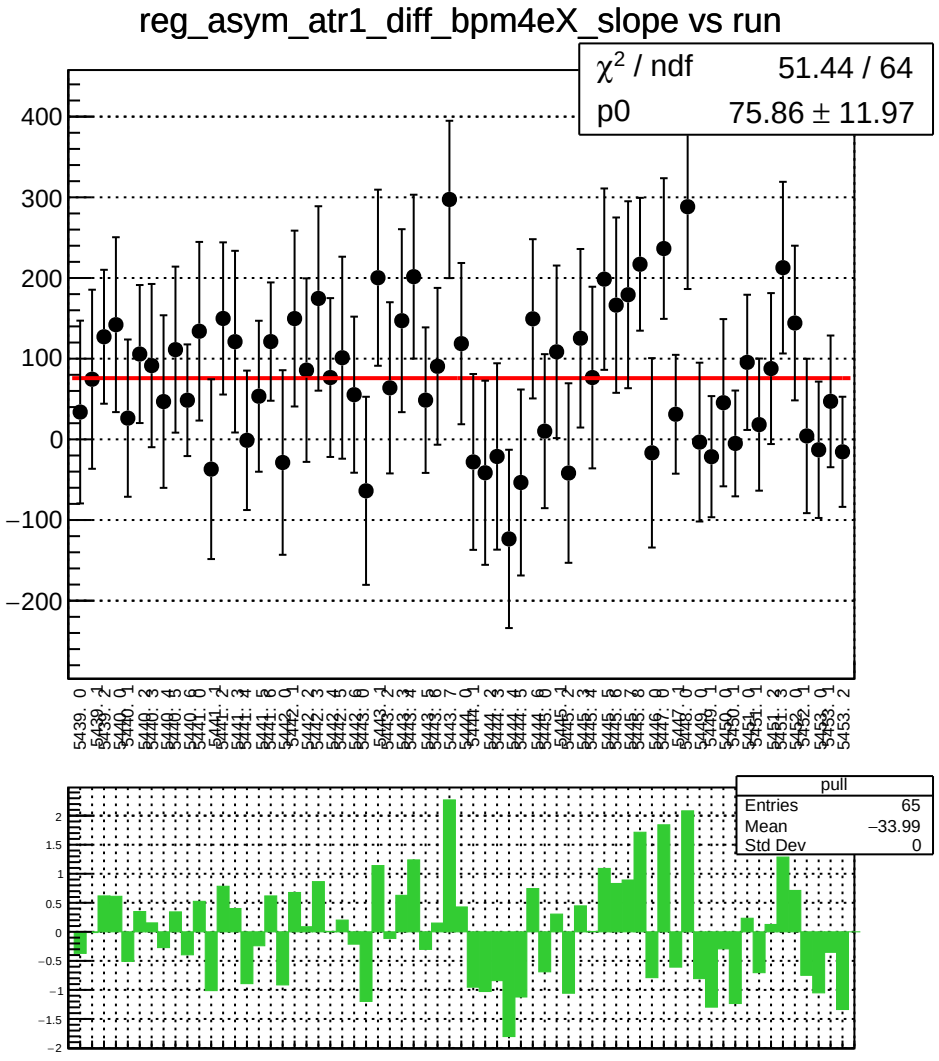

pull1D
Entries 65
Mean −0.01944
Std Dev 0.3847

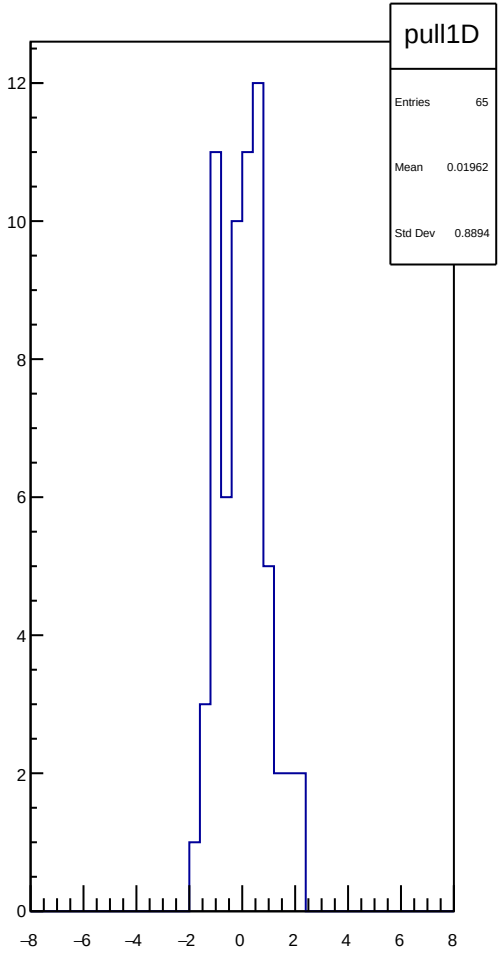

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 113.8 / 64
p0 −342.4 ± 0.5883
pull
Entries 65
Mean −151.3
Std Dev 0
pull1D
Entries 65
Mean 0.04897
Std Dev 1.322

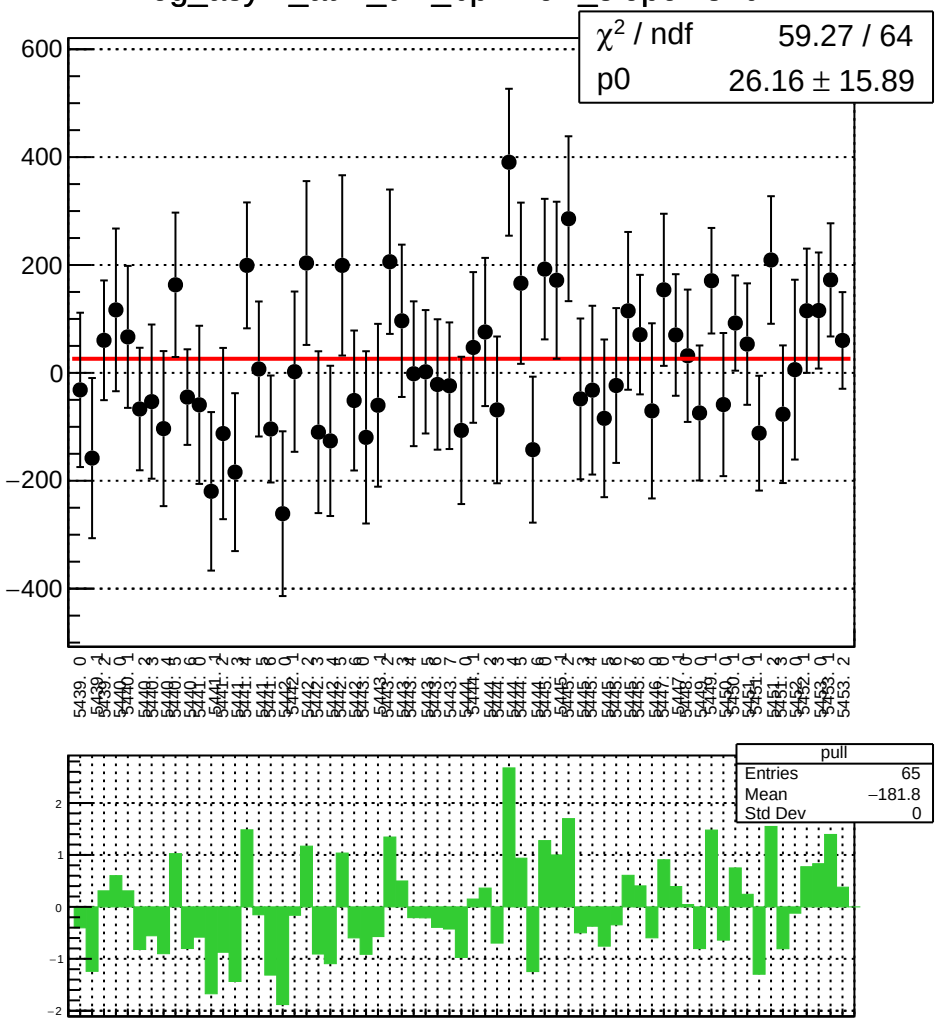

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 49.75 / 64
p0 −85.09 ± 15.3
pull
Entries 65
Mean −42.73
Std Dev 0

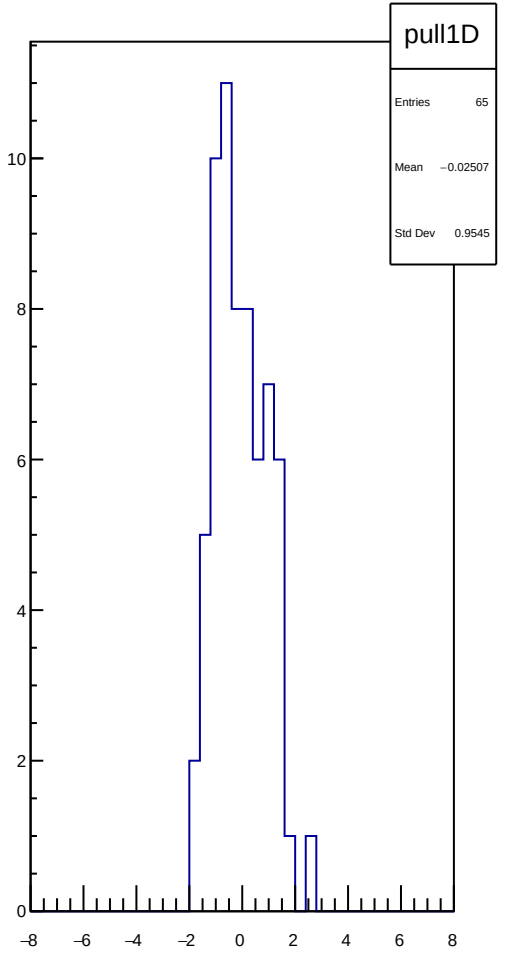

pull1D
Entries 65
Mean −0.01941
Std Dev 0.8746

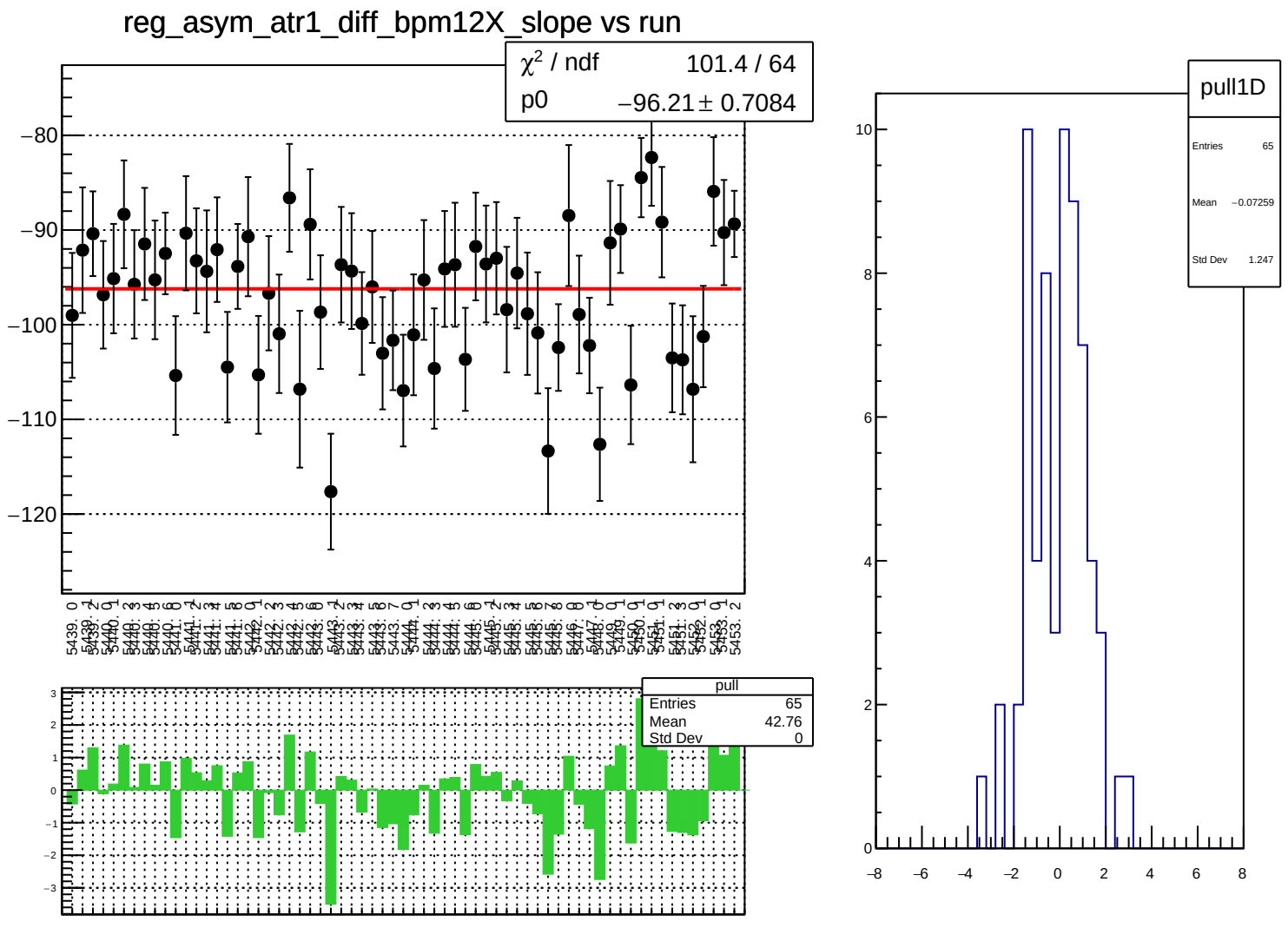

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 57.1 / 64
p0 3.332 ± 12.49
pull
Entries 65
Mean −170.2
Std Dev 0
pull1D
Entries 65
Mean 0.02481
Std Dev 0.9369

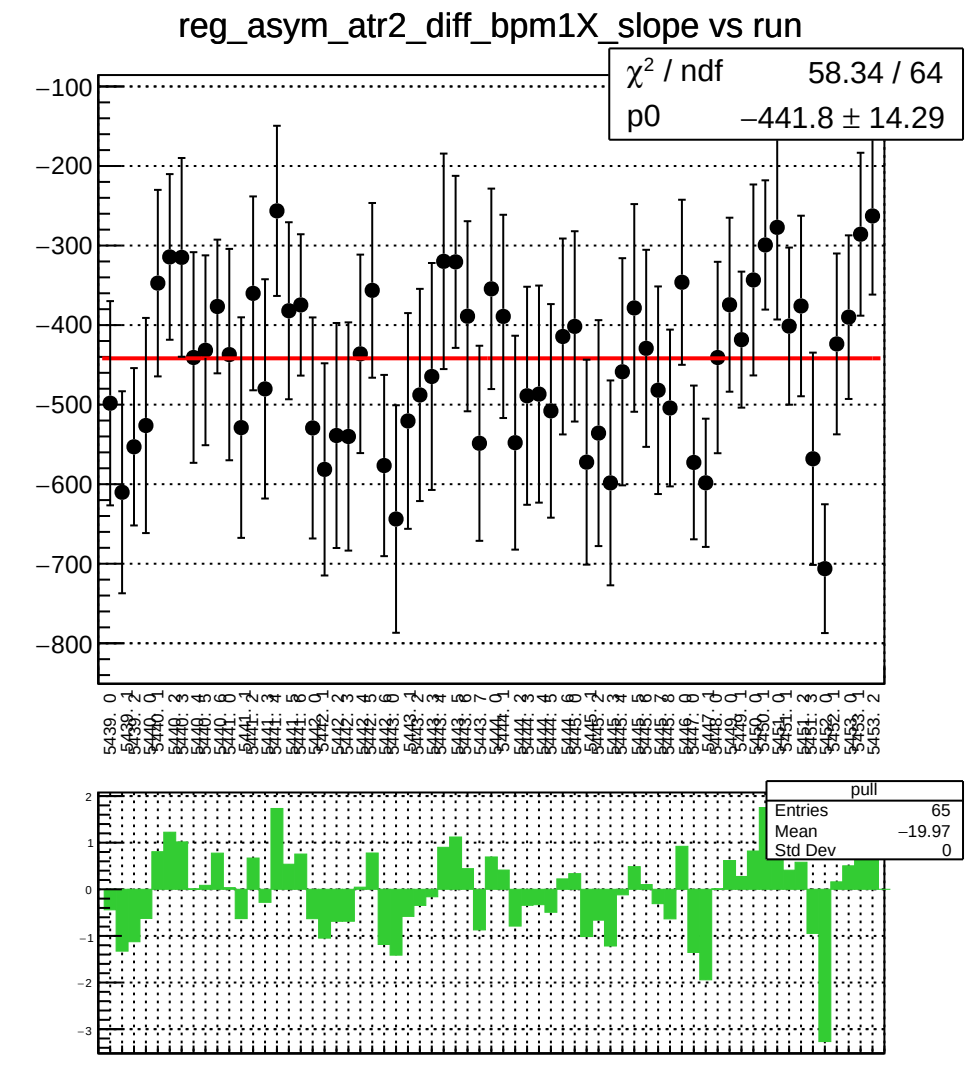

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 51.44 / 64
p0 75.86 ± 11.97
pull
Entries 65
Mean −33.99
Std Dev 0

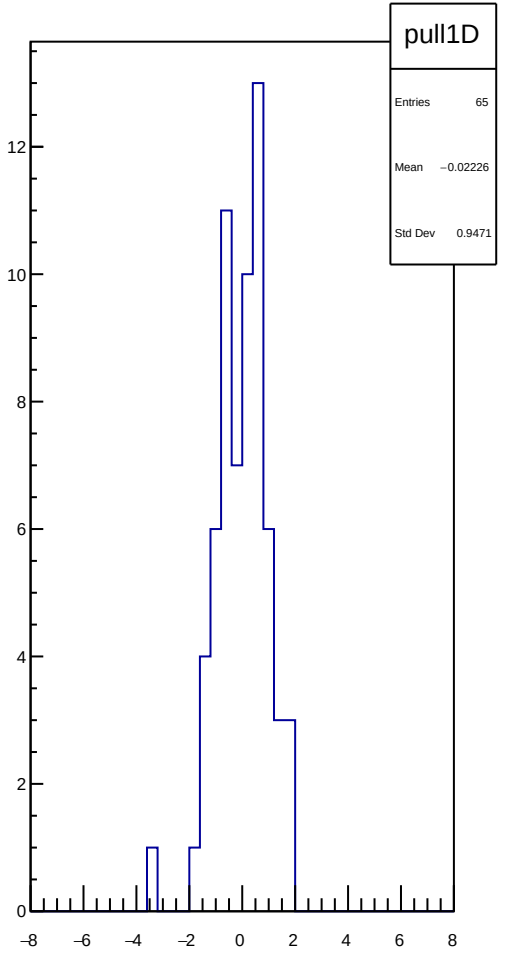

pull1D
Entries 65
Mean 0.01962
Std Dev 0.8894

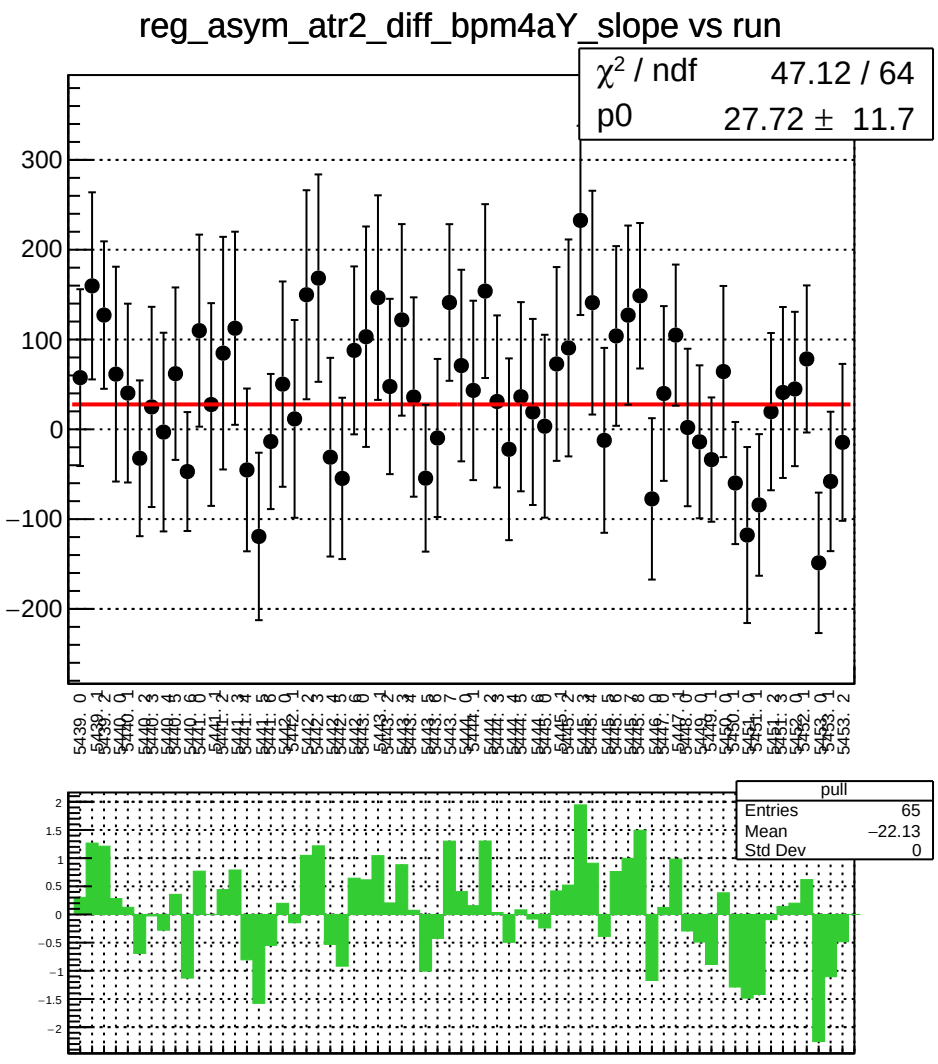

reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 59.27 / 64
p0 26.16 ± 15.89
pull
Entries 65
Mean −181.8
Std Dev 0

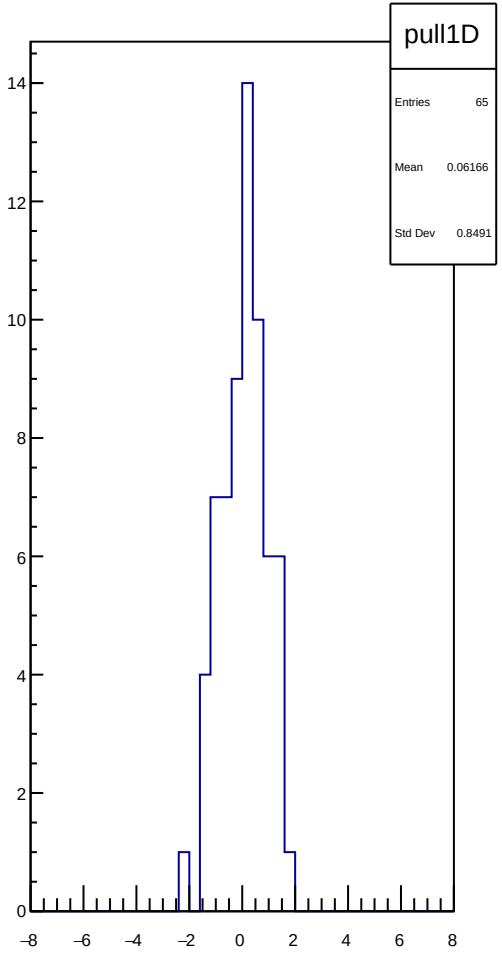

pull1D
Entries 65
Mean −0.02507
Std Dev 0.9545

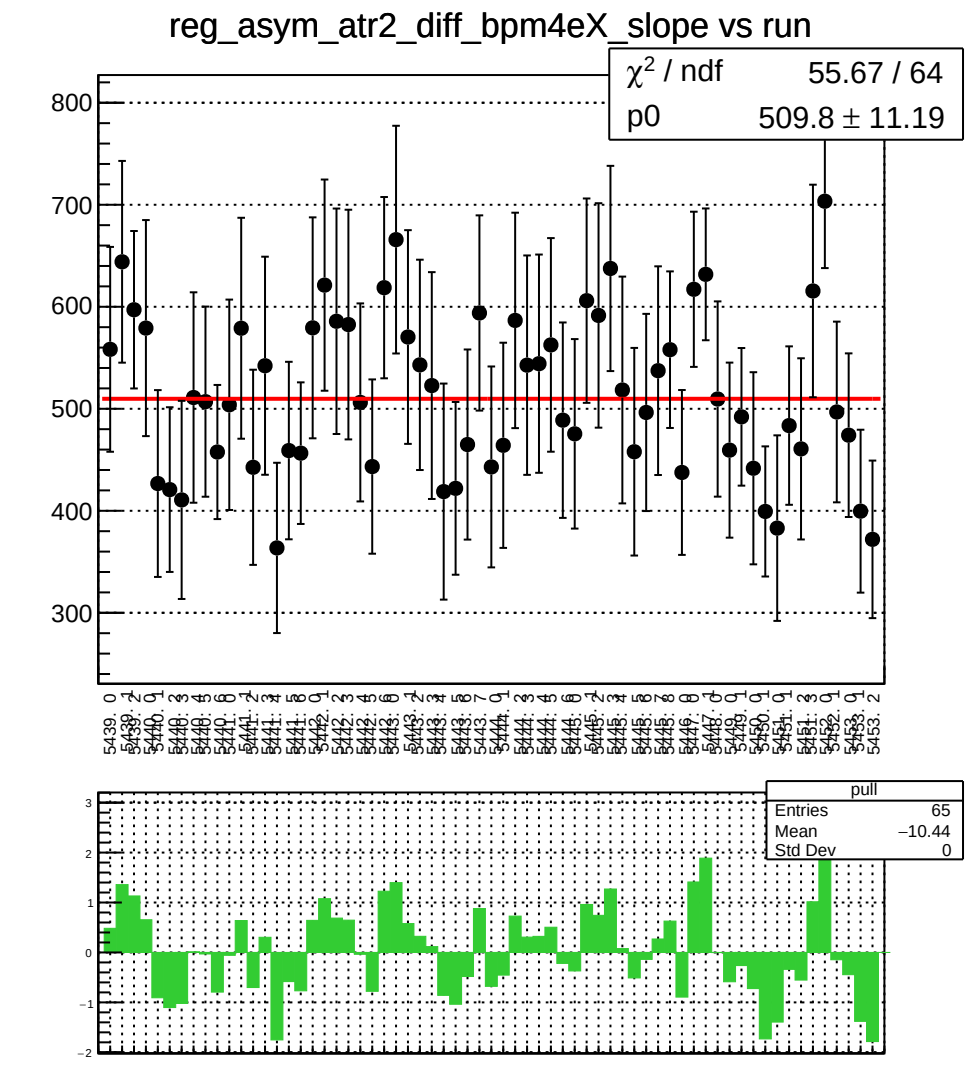

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 101.4 / 64
p0 −96.21 ± 0.7084
−80
−90
−100
−110
−120
pull
Entries 65
Mean 42.76
Std Dev 0
pull1D
Entries 65
Mean −0.07259
Std Dev 1.247

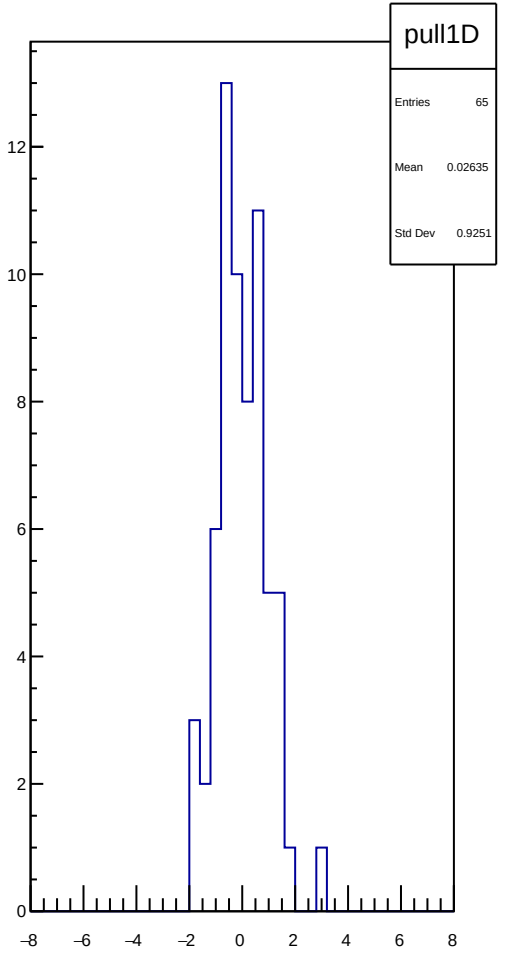

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 58.34 / 64
p0 −441.8 ± 14.29
pull
Entries 65
Mean −19.97
Std Dev 0

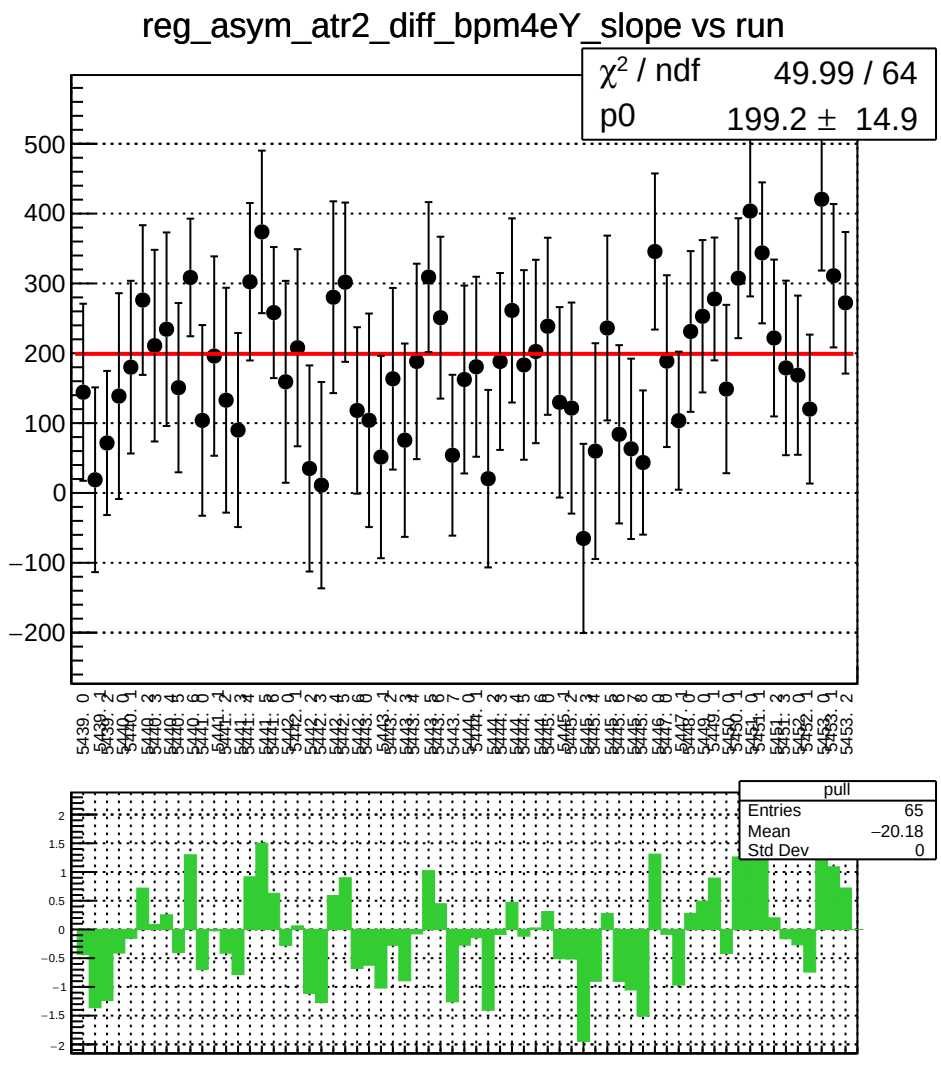

pull1D
Entries 65
Mean −0.02226
Std Dev 0.9471

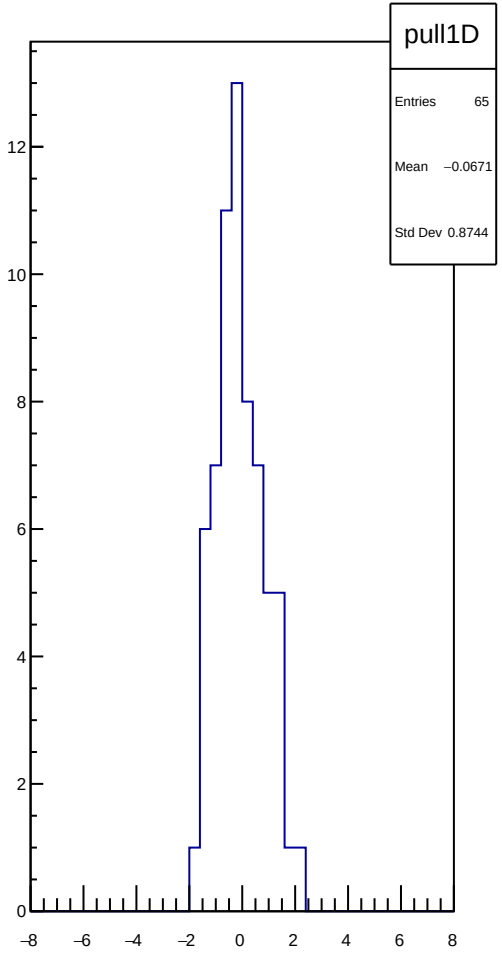

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 47.12 / 64
p0 27.72 ± 11.7
pull
Entries 65
Mean −22.13
Std Dev 0

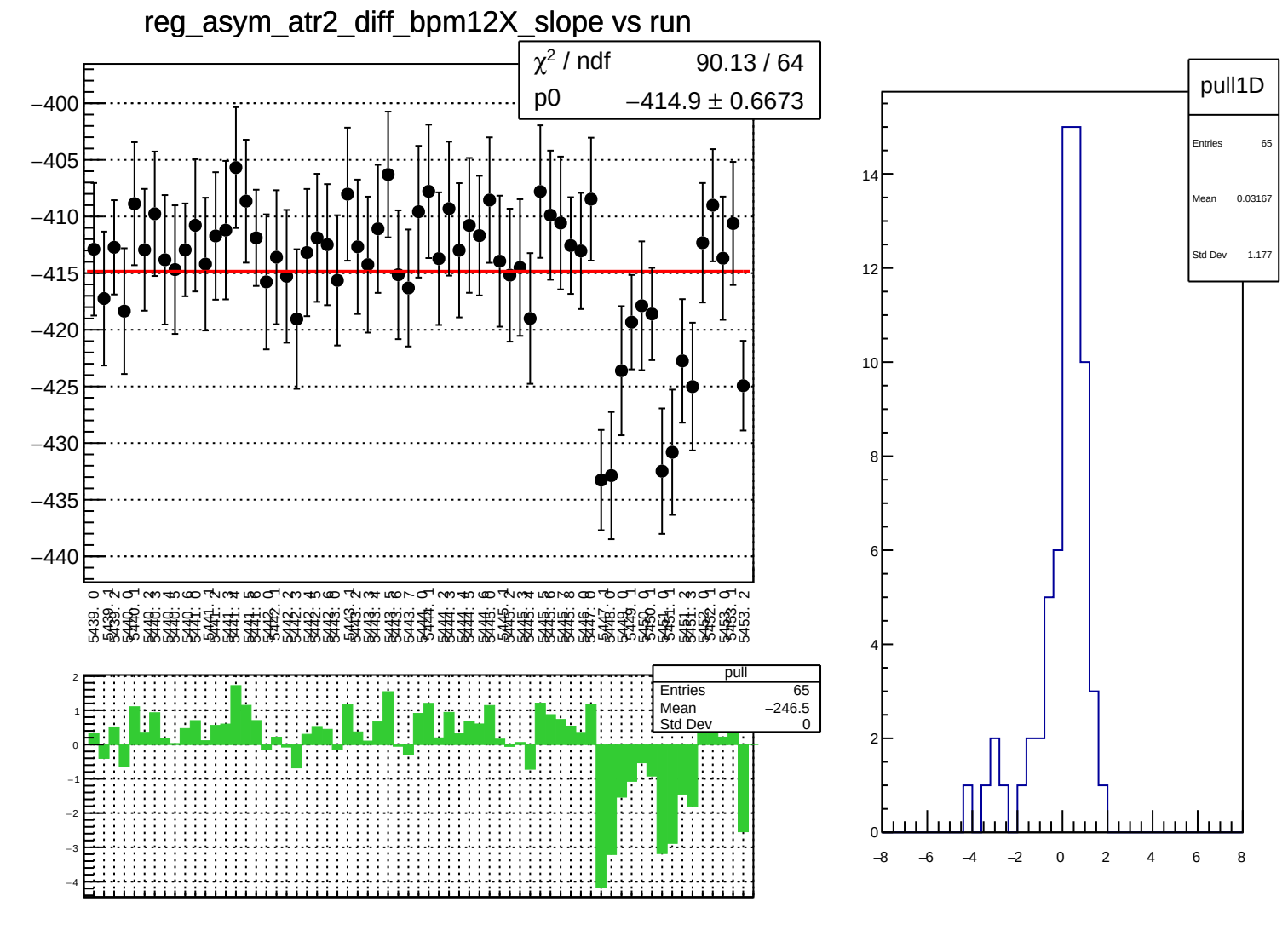

pull1D
Entries 65
Mean 0.06166
Std Dev 0.8491

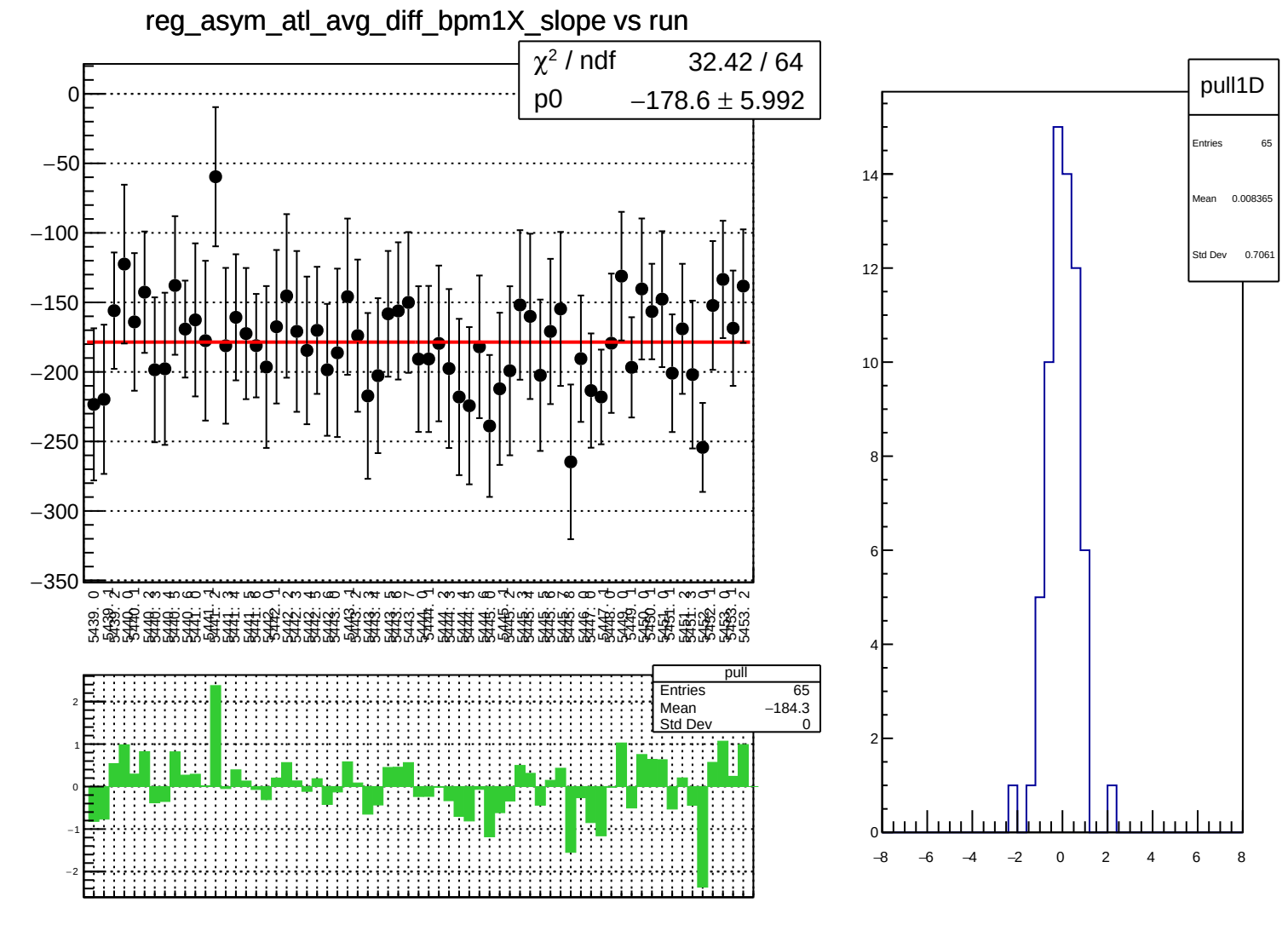

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 55.67 / 64
p0 509.8 ± 11.19
800
700
600
500
400
300
pull
Entries 65
Mean −10.44
Std Dev 0
3
2
1
0
−1
−2

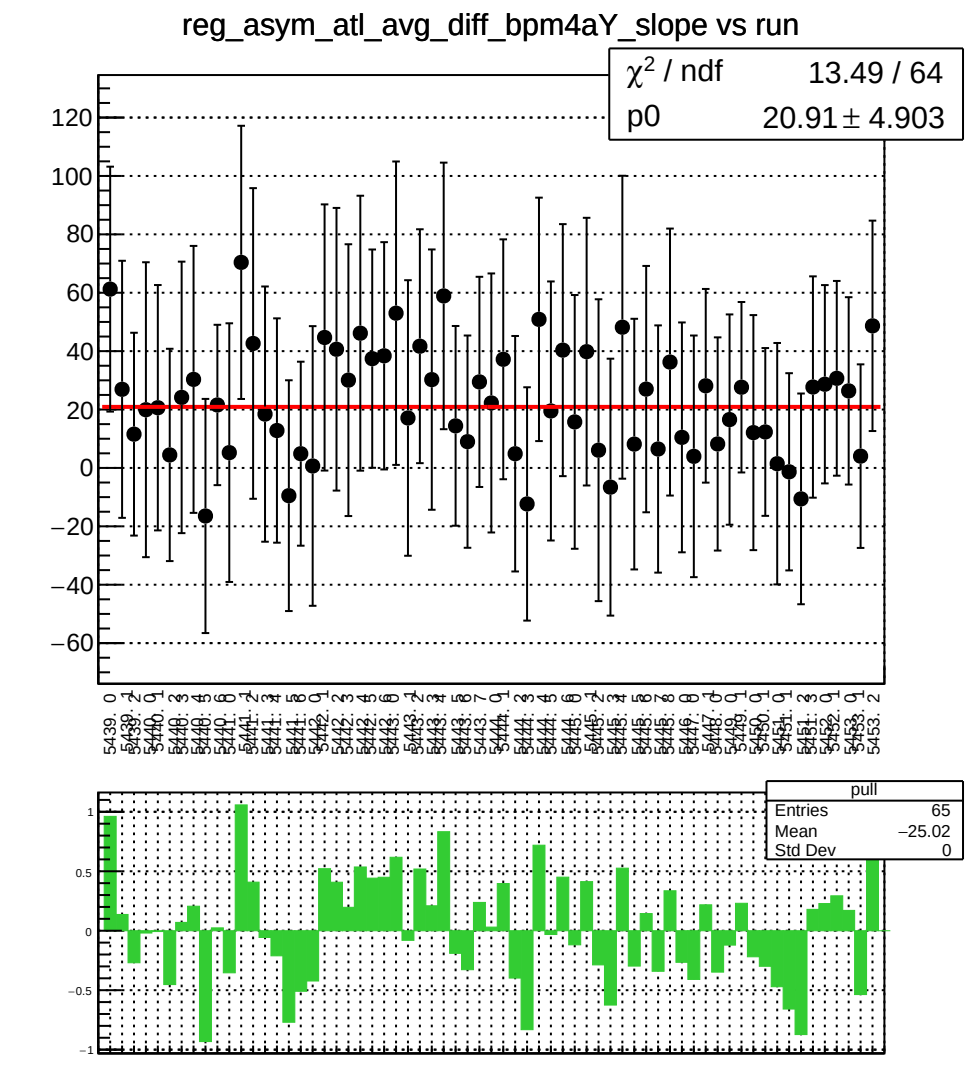

pull1D
Entries 65
Mean 0.02635
Std Dev 0.9251
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

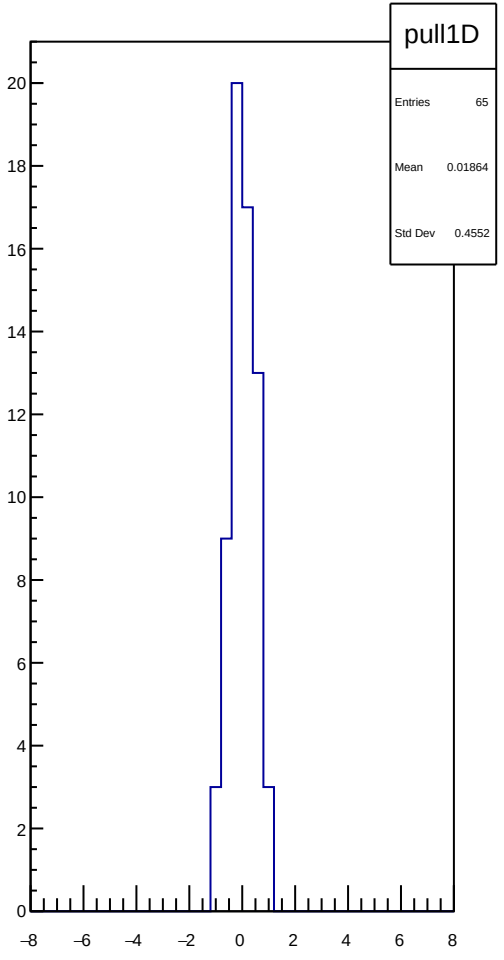

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 49.99 / 64
p0 199.2 ± 14.9
pull
Entries 65
Mean −20.18
Std Dev 0

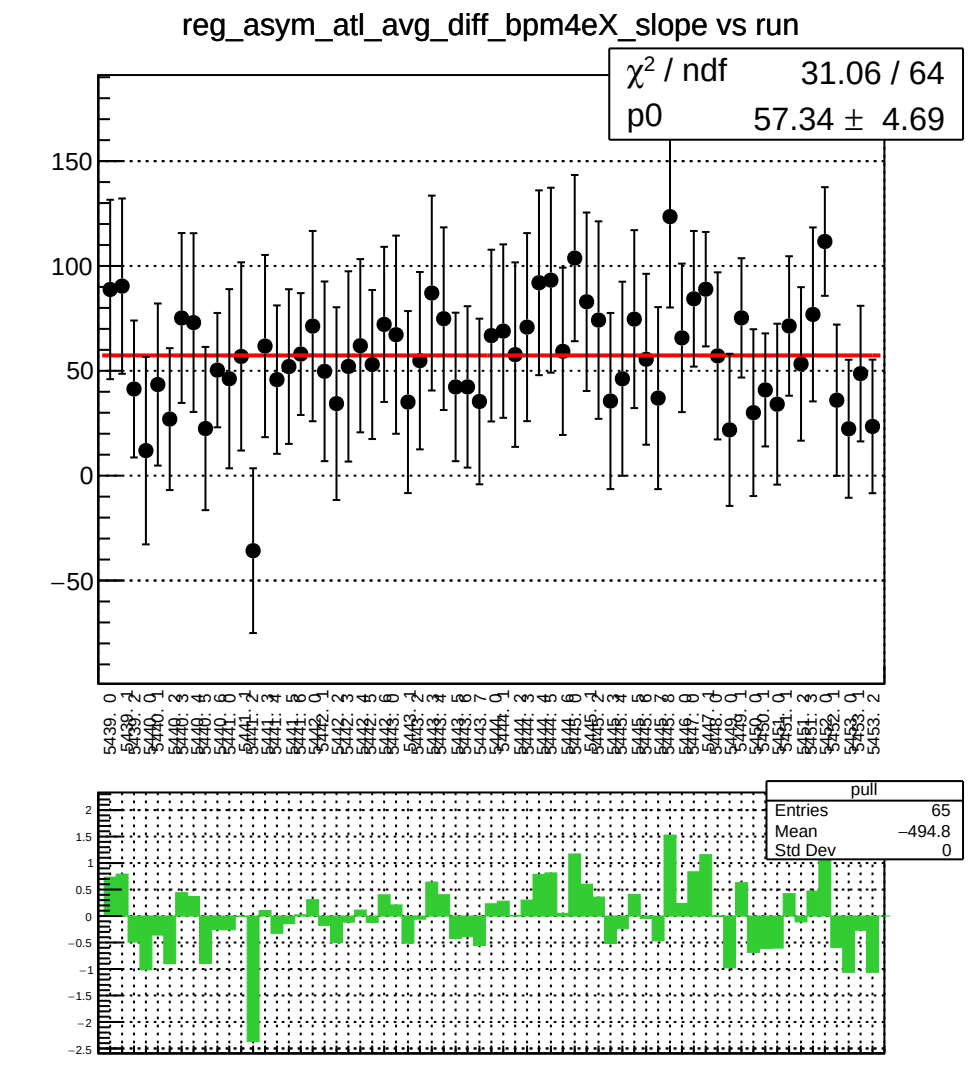

pull1D
Entries 65
Mean −0.0671
Std Dev 0.8744

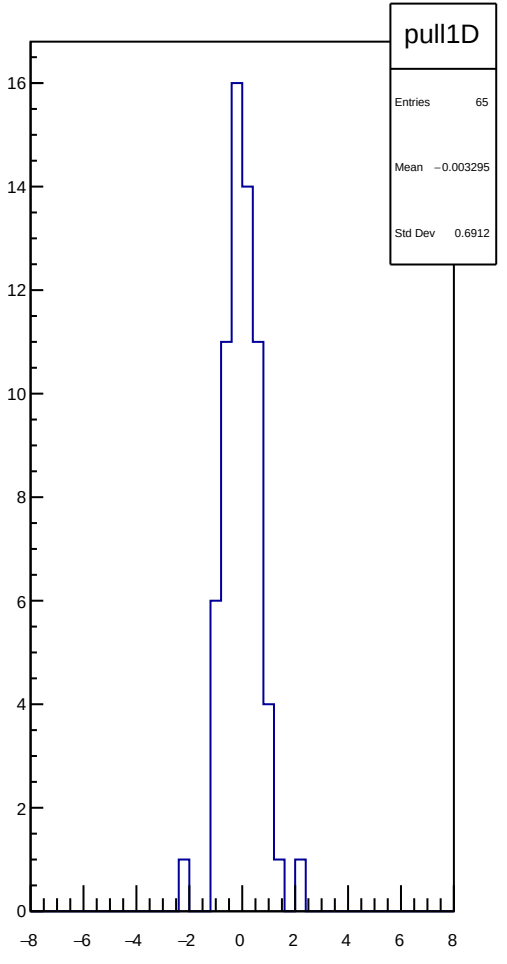

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 90.13 / 64
p0 −414.9 ± 0.6673
pull
Entries 65
Mean −246.5
Std Dev 0
pull1D
Entries 65
Mean 0.03167
Std Dev 1.177

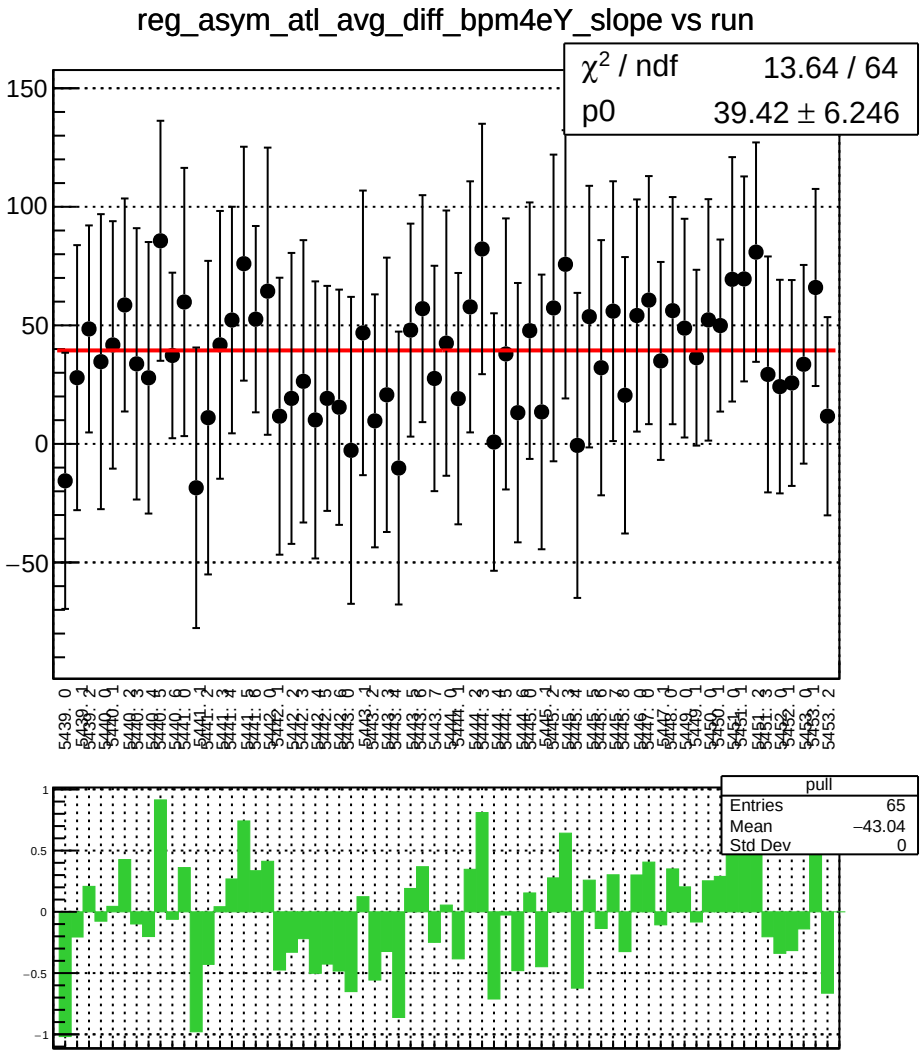

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 32.42 / 64
p0 −178.6 ± 5.992
pull
Entries 65
Mean −184.3
Std Dev 0
pull1D
Entries 65
Mean 0.008365
Std Dev 0.7061

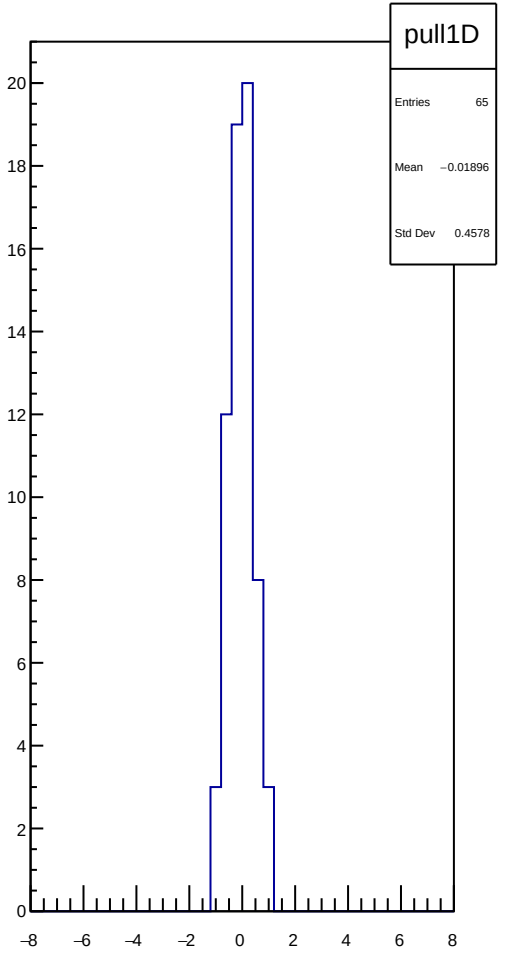

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.49 / 64
p0 20.91 ± 4.903
pull
Entries 65
Mean −25.02
Std Dev 0

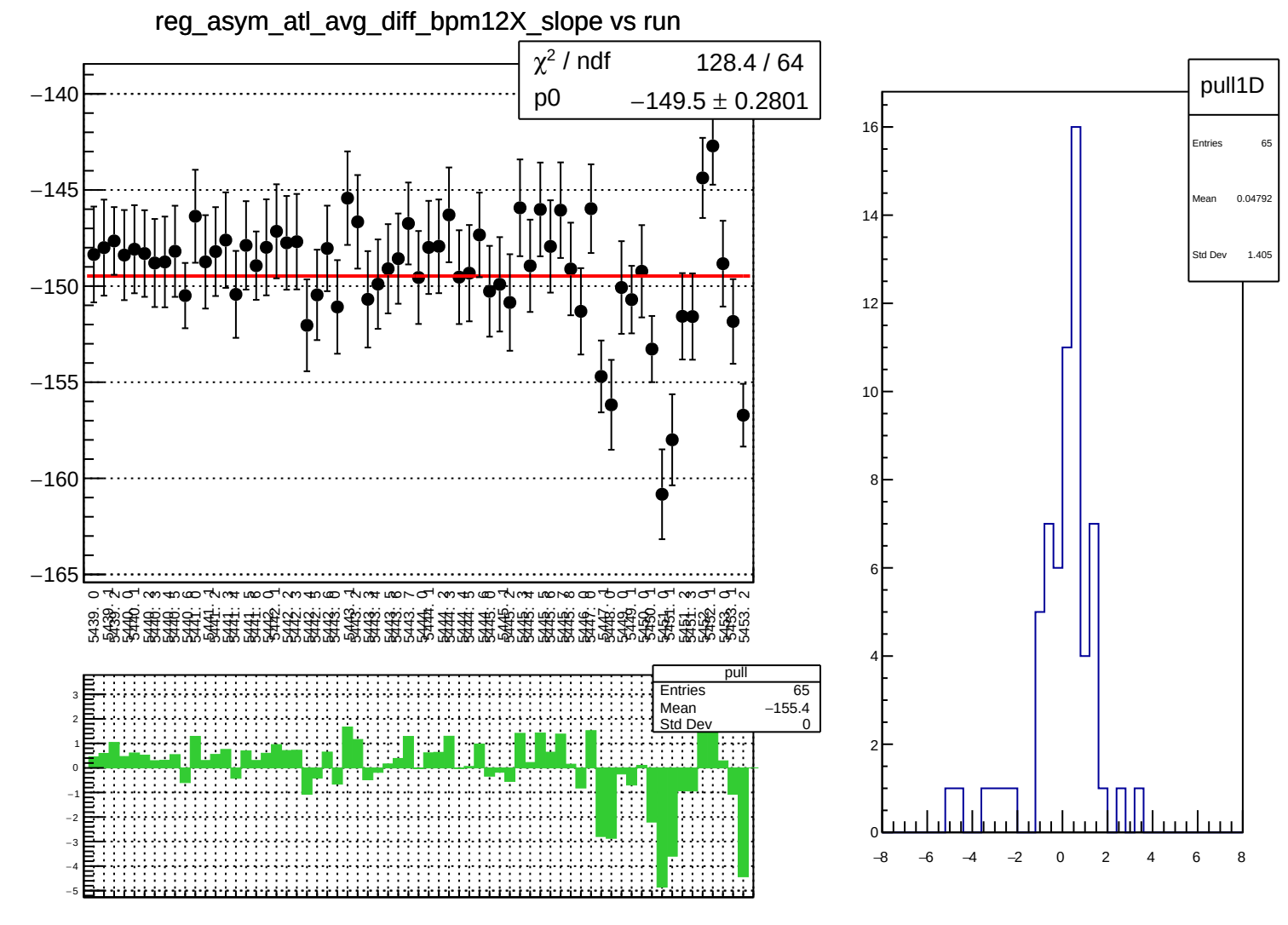

pull1D
Entries 65
Mean 0.01864
Std Dev 0.4552

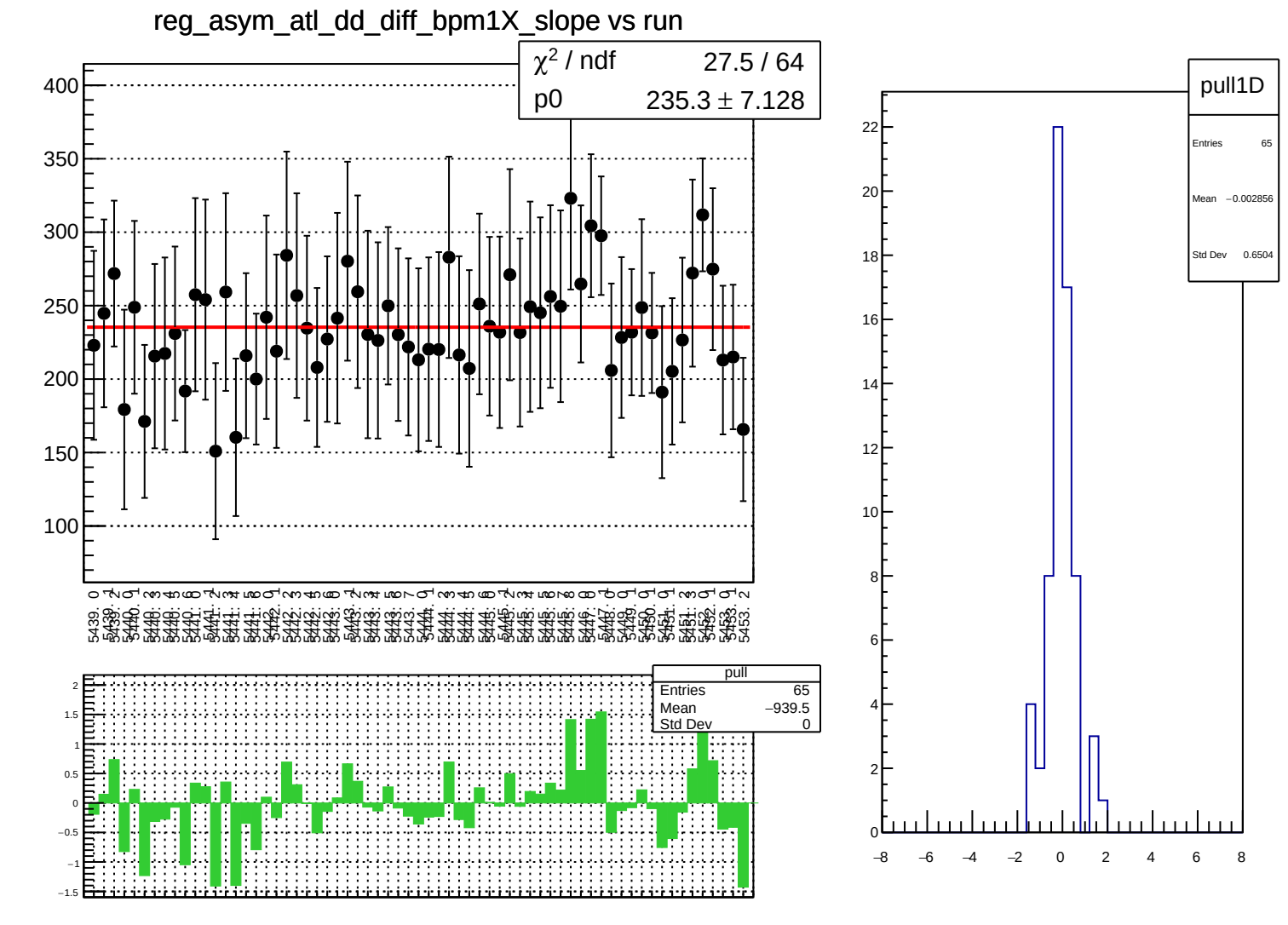

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.06 / 64
p0 57.34 ± 4.69
150
100
50
0
−50
pull
Entries 65
Mean −494.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

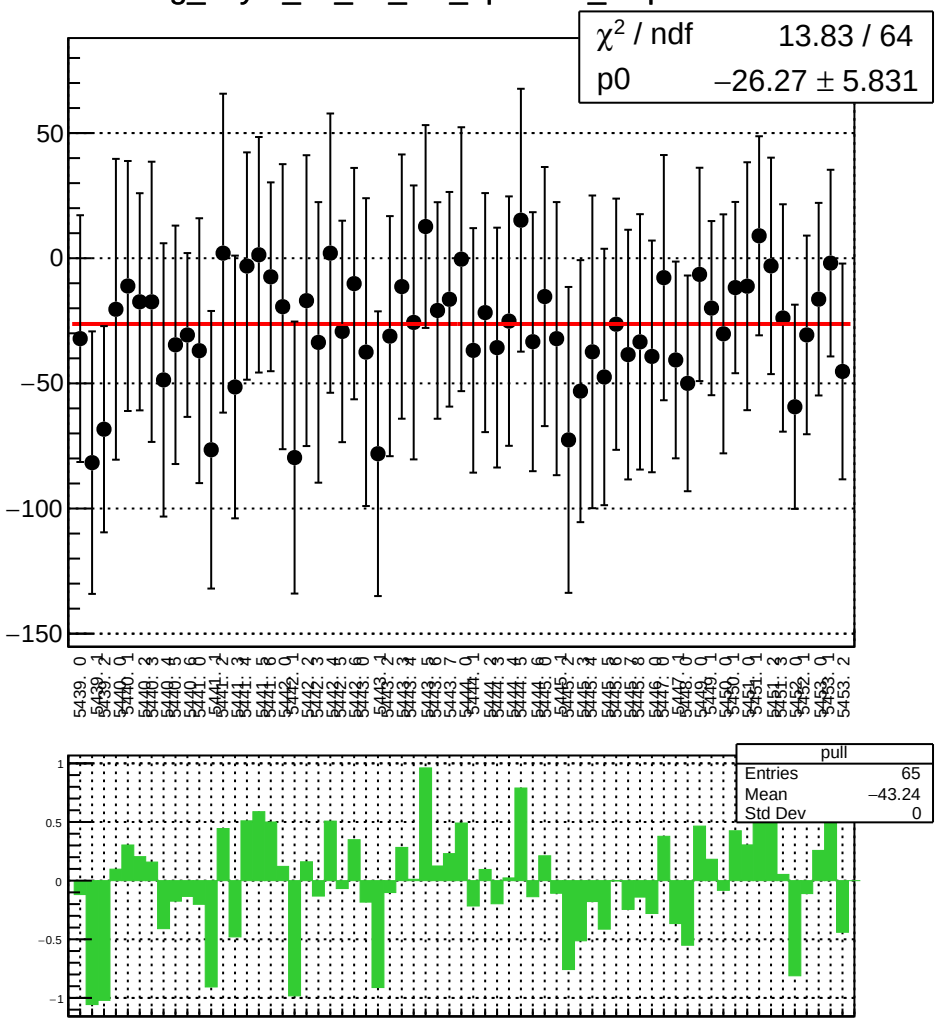

pull1D
Entries 65
Mean −0.003295
Std Dev 0.6912
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

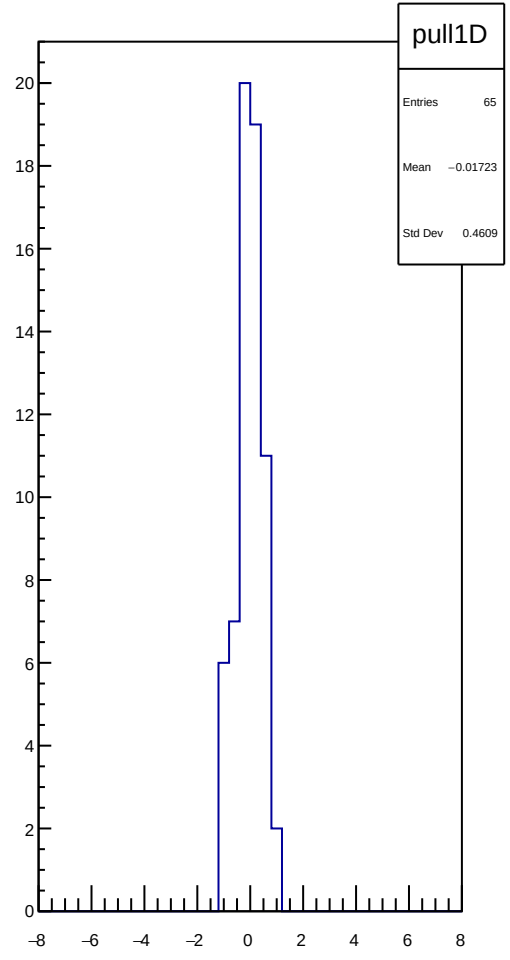

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.64 / 64
p0 39.42 ± 6.246
pull
Entries 65
Mean −43.04
Std Dev 0

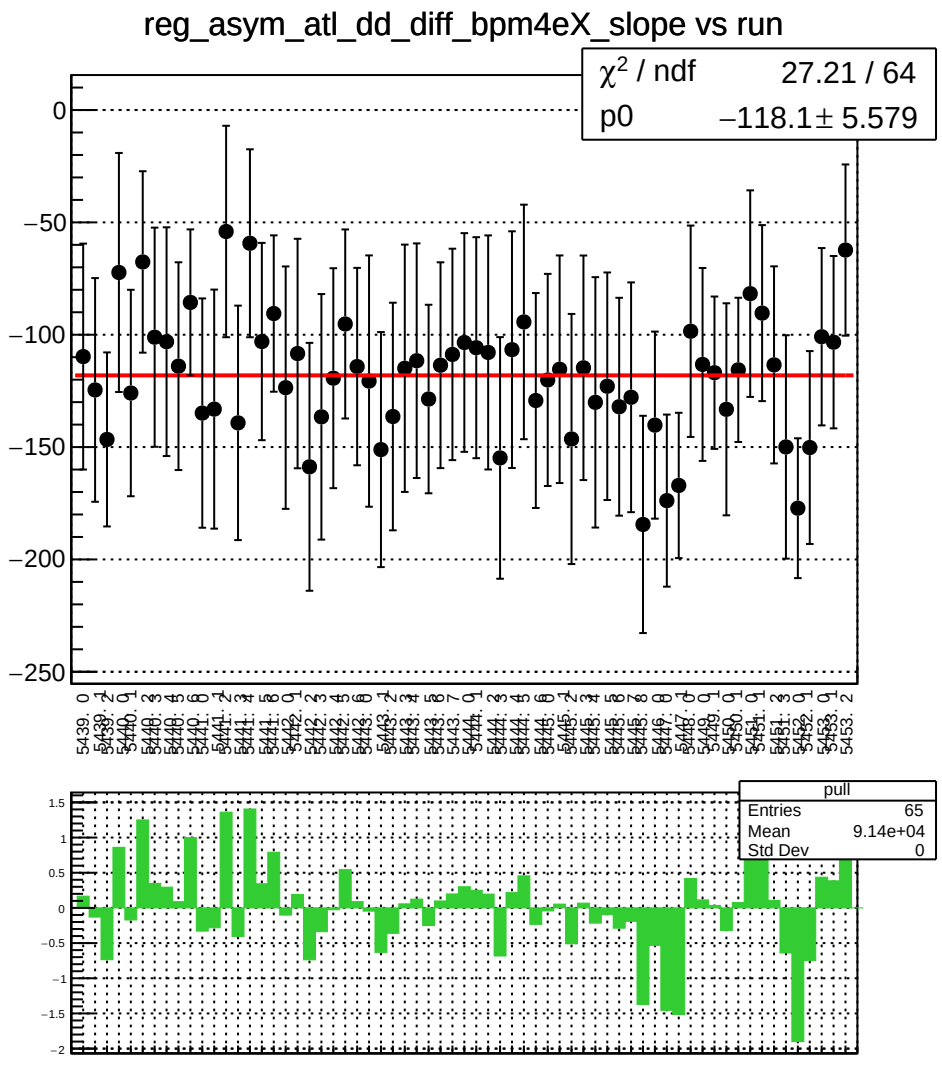

pull1D
Entries 65
Mean −0.01896
Std Dev 0.4578

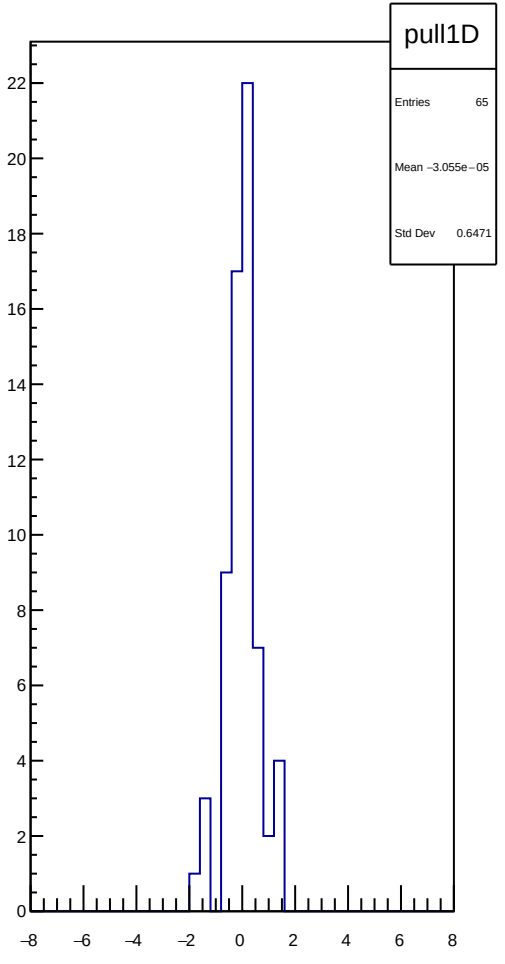

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 128.4 / 64
p0 −149.5 ± 0.2801
pull
Entries 65
Mean −155.4
Std Dev 0
pull1D
Entries 65
Mean 0.04792
Std Dev 1.405

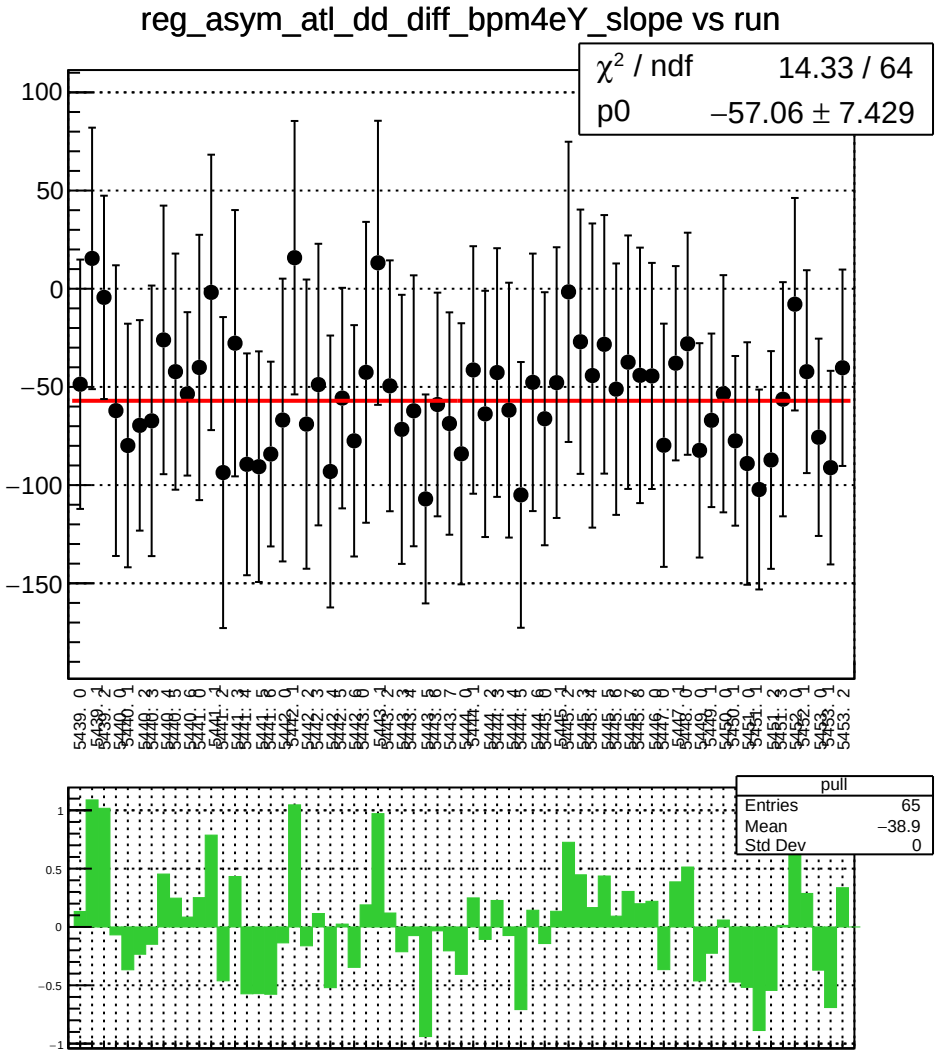

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 27.5 / 64
p0 235.3 ± 7.128
pull
Entries 65
Mean −939.5
Std Dev 0
pull1D
Entries 65
Mean −0.002856
Std Dev 0.6504

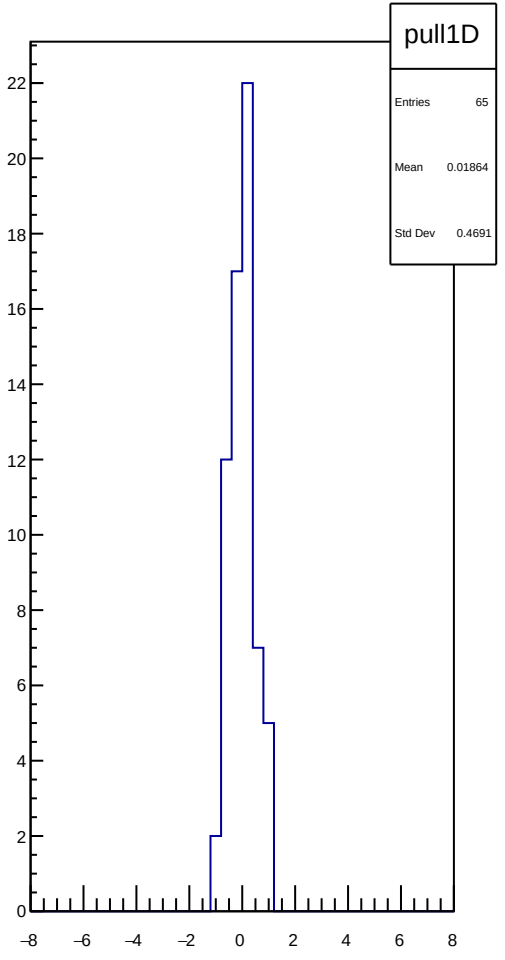

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.83 / 64
p0 −26.27 ± 5.831
pull
Entries 65
Mean −43.24
Std Dev 0

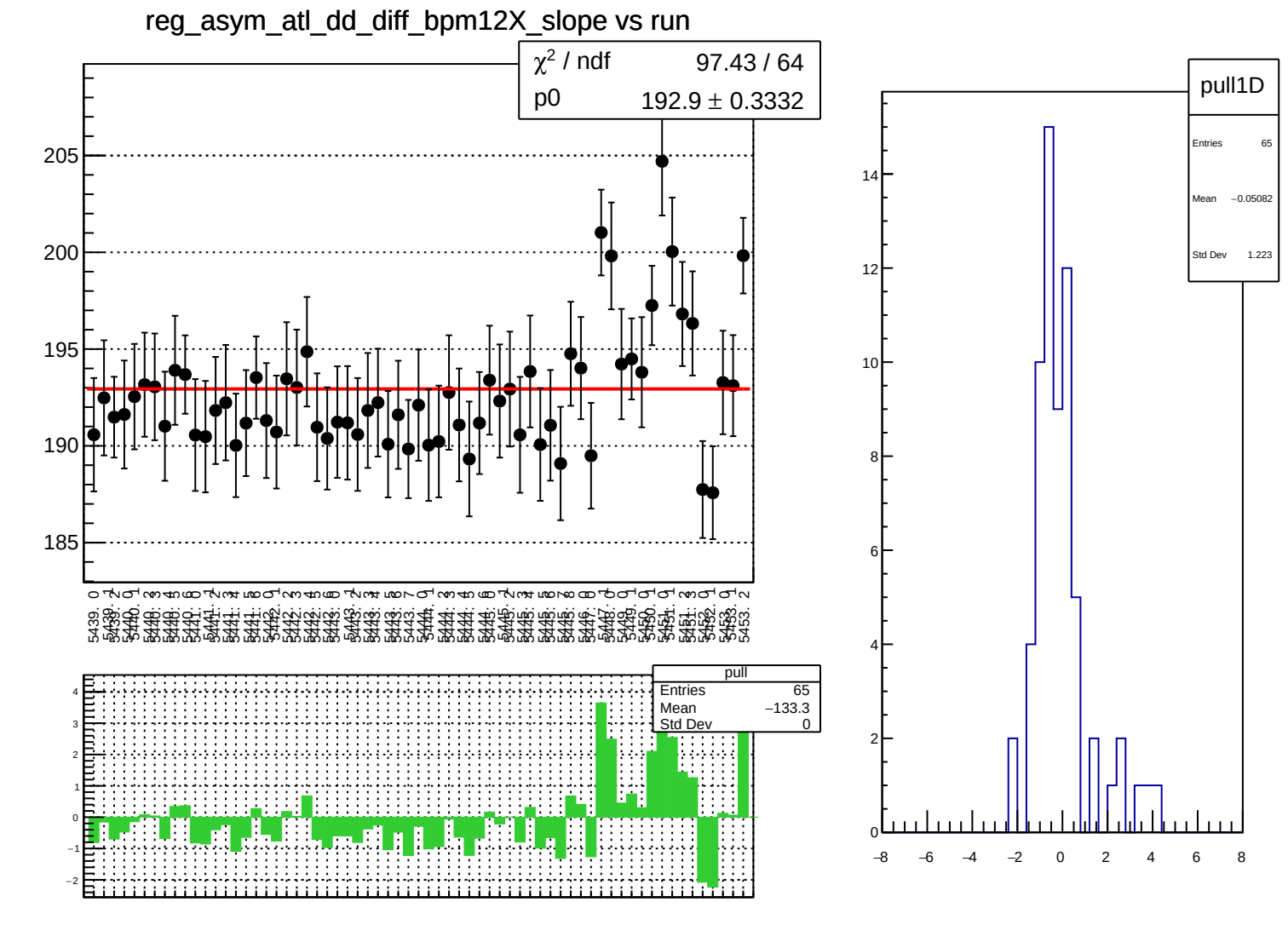

pull1D
Entries 65
Mean −0.01723
Std Dev 0.4609

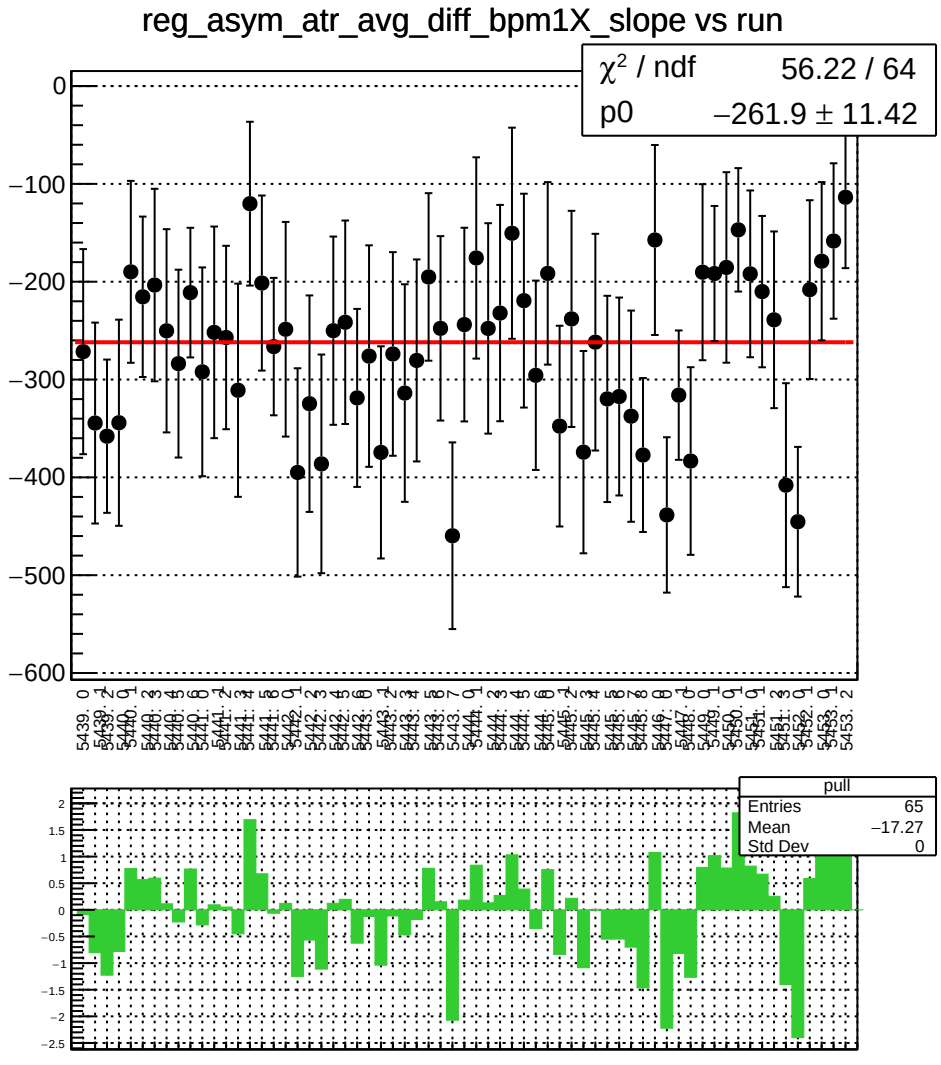

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.21 / 64
p0 −118.1 ± 5.579
pull
Entries 65
Mean 9.14e+04
Std Dev 0

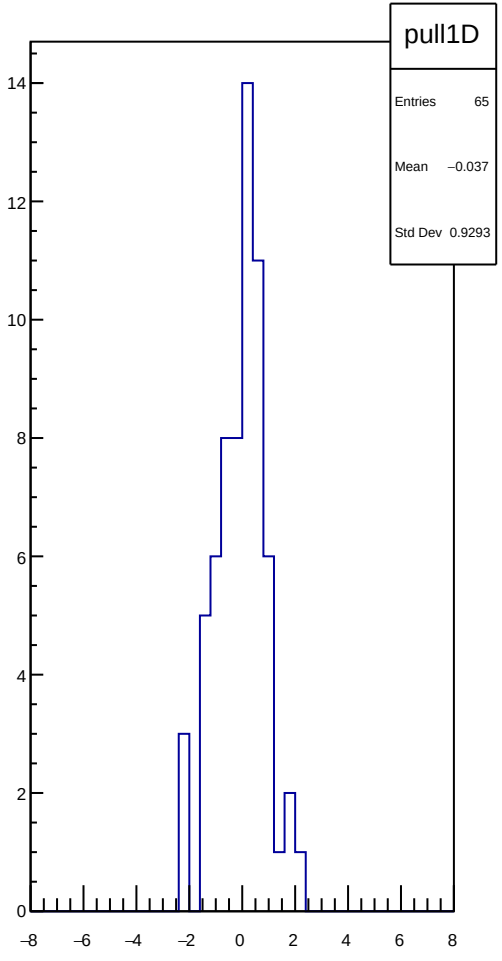

pull1D
Entries 65
Mean −3.055e−05
Std Dev 0.6471

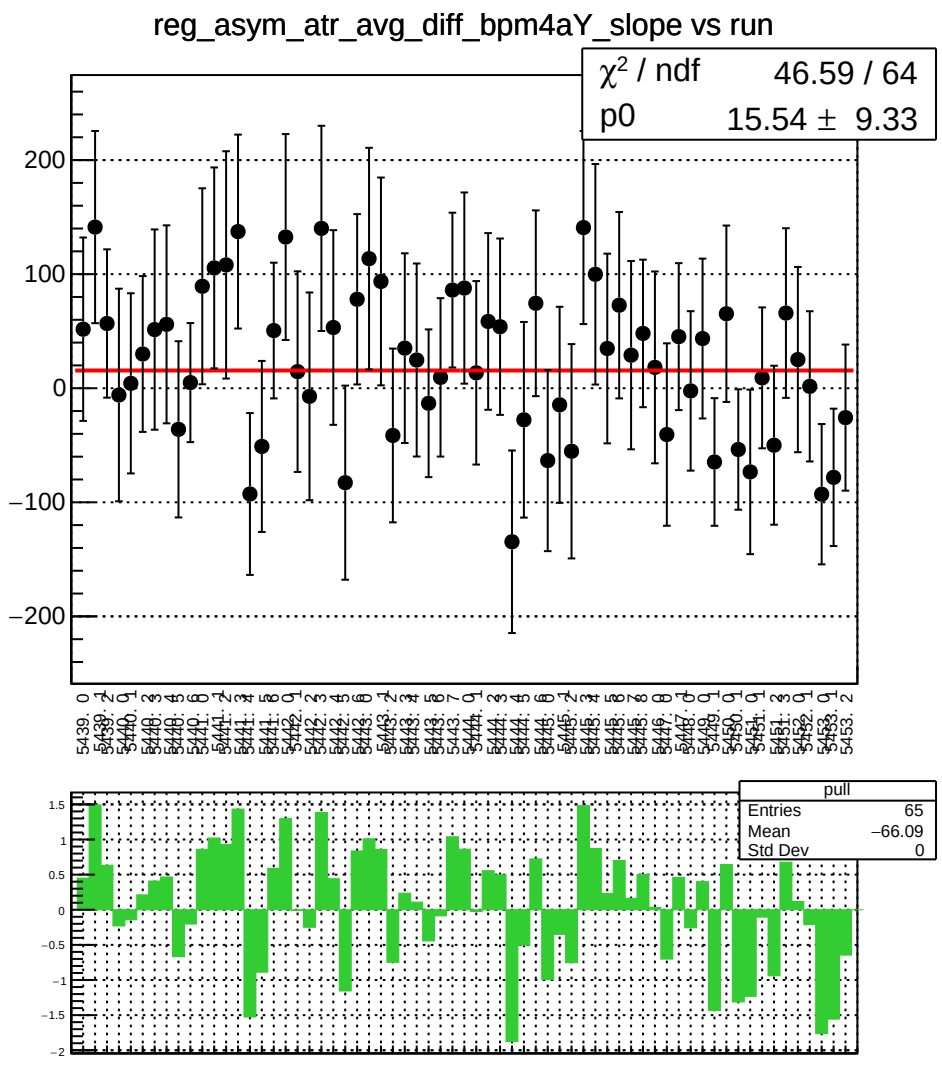

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.33 / 64
p0 −57.06 ± 7.429
pull
Entries 65
Mean −38.9
Std Dev 0

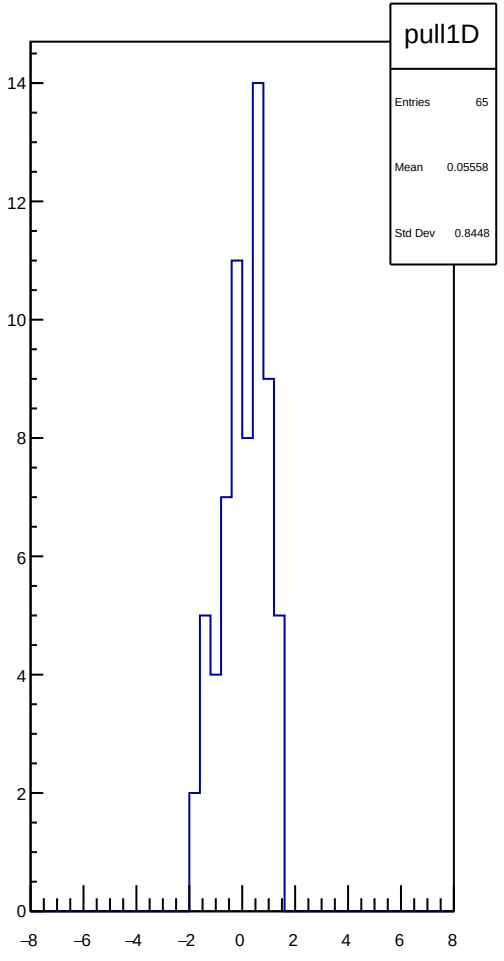

pull1D
Entries 65
Mean 0.01864
Std Dev 0.4691

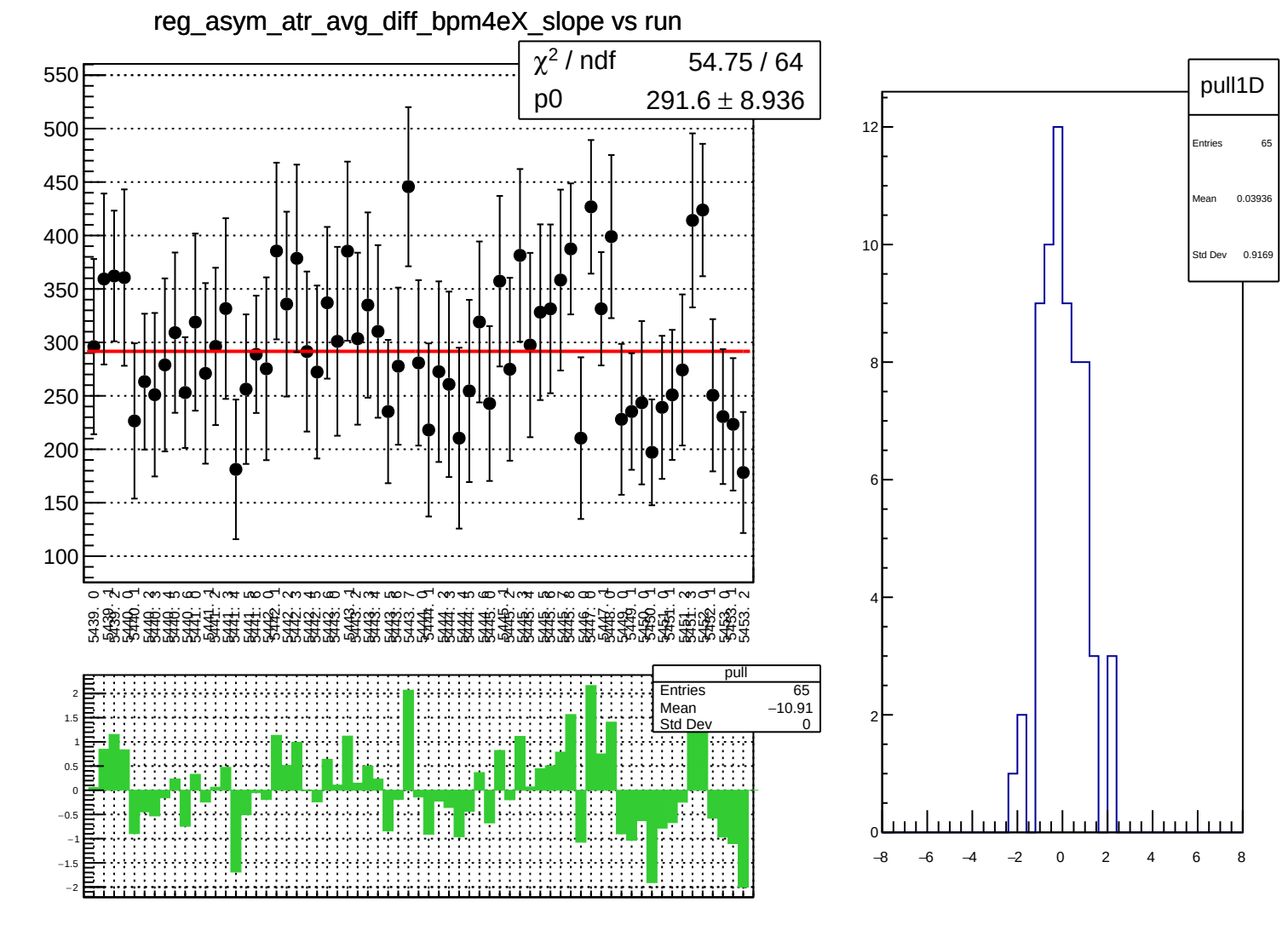

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 97.43 / 64
p0 192.9 ± 0.3332
205
200
195
190
185
pull
Entries 65
Mean −133.3
Std Dev 0
pull1D
Entries 65
Mean −0.05082
Std Dev 1.223

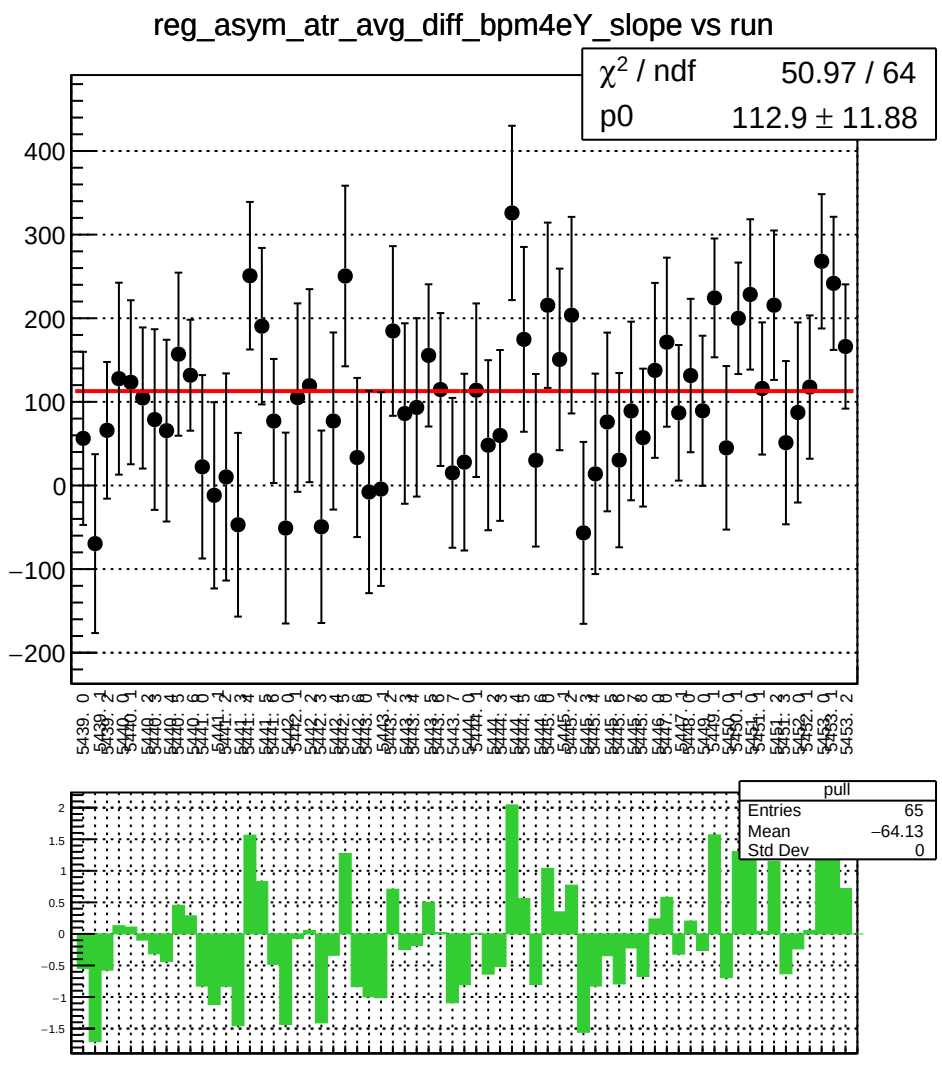

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 56.22 / 64
p0 −261.9 ± 11.42
pull
Entries 65
Mean −17.27
Std Dev 0

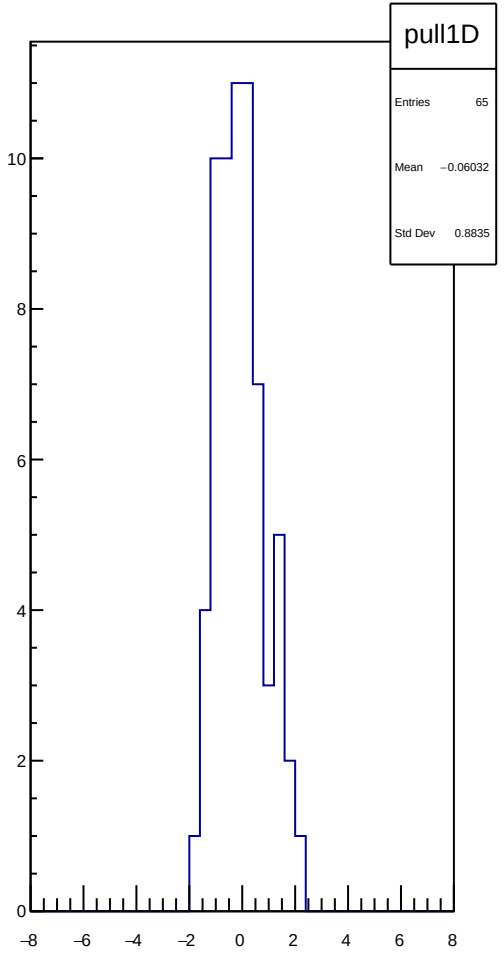

pull1D
Entries 65
Mean −0.037
Std Dev 0.9293

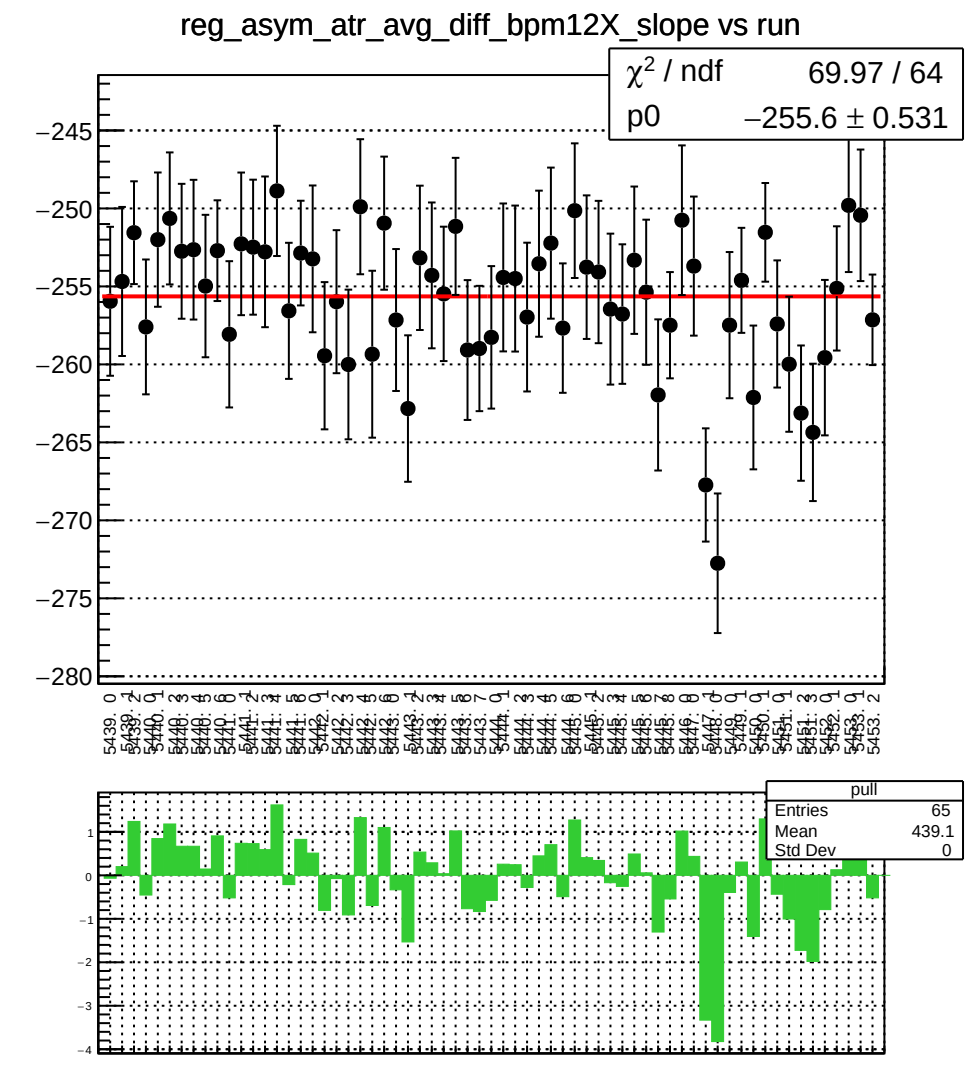

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.59 / 64
p0 15.54 ± 9.33
pull
Entries 65
Mean −66.09
Std Dev 0

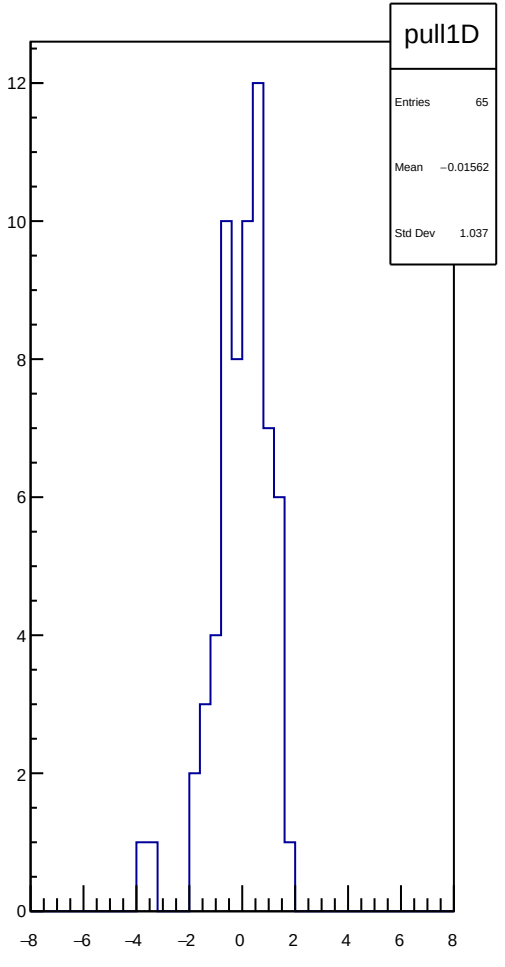

pull1D
Entries 65
Mean 0.05558
Std Dev 0.8448

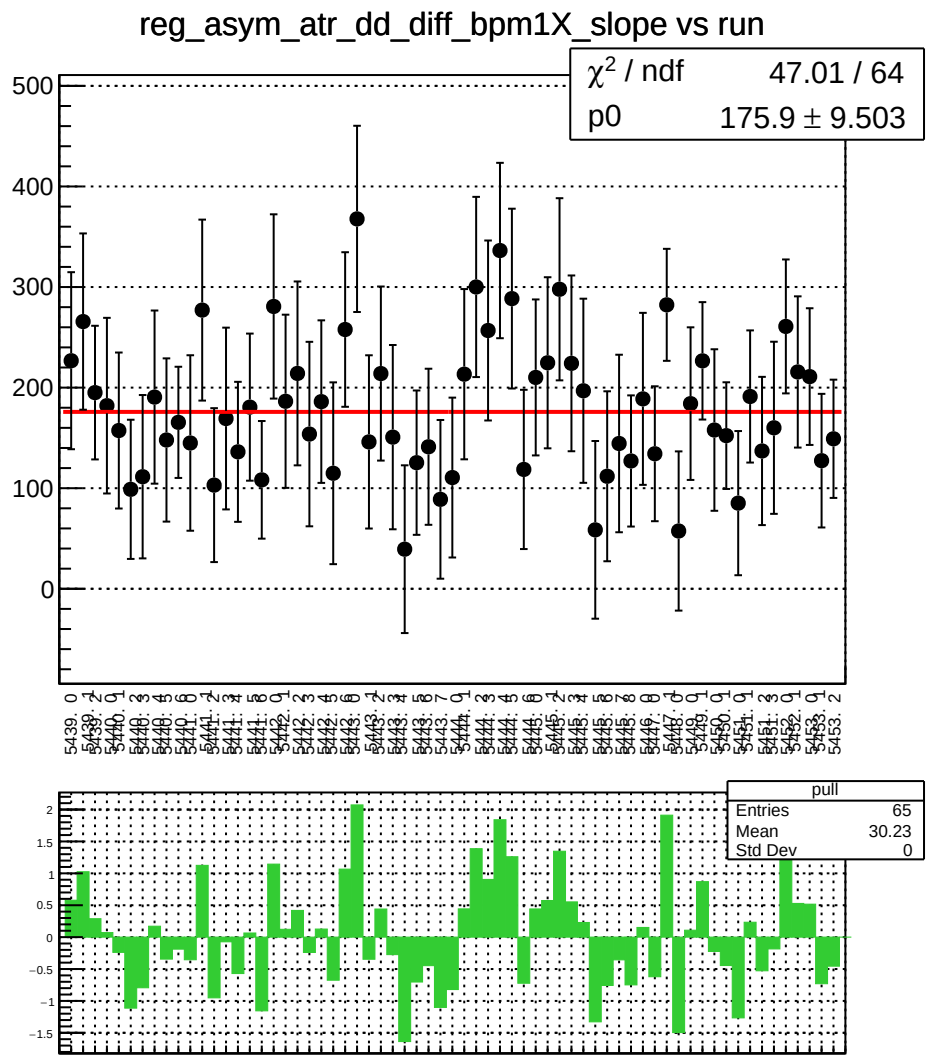

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.75 / 64
p0 291.6 ± 8.936
pull
Entries 65
Mean −10.91
Std Dev 0
pull1D
Entries 65
Mean 0.03936
Std Dev 0.9169

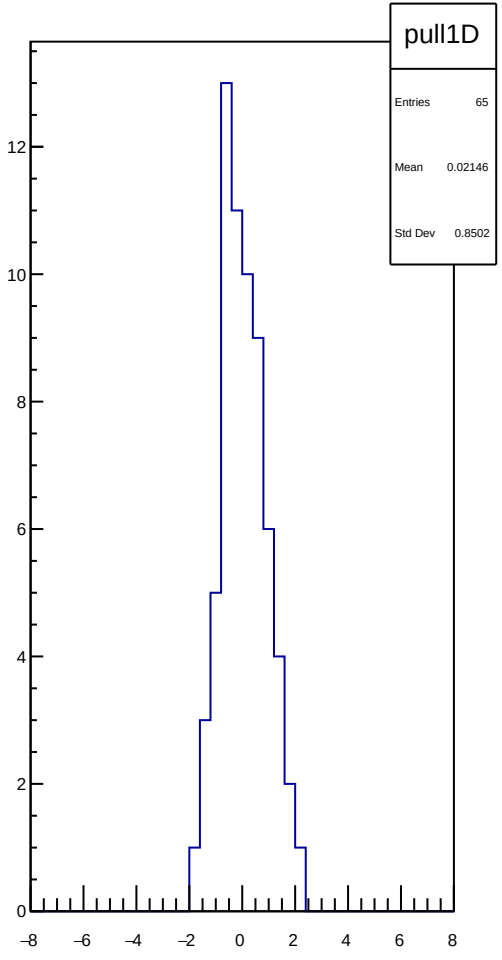

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.97 / 64
p0 112.9 ± 11.88
pull
Entries 65
Mean −64.13
Std Dev 0

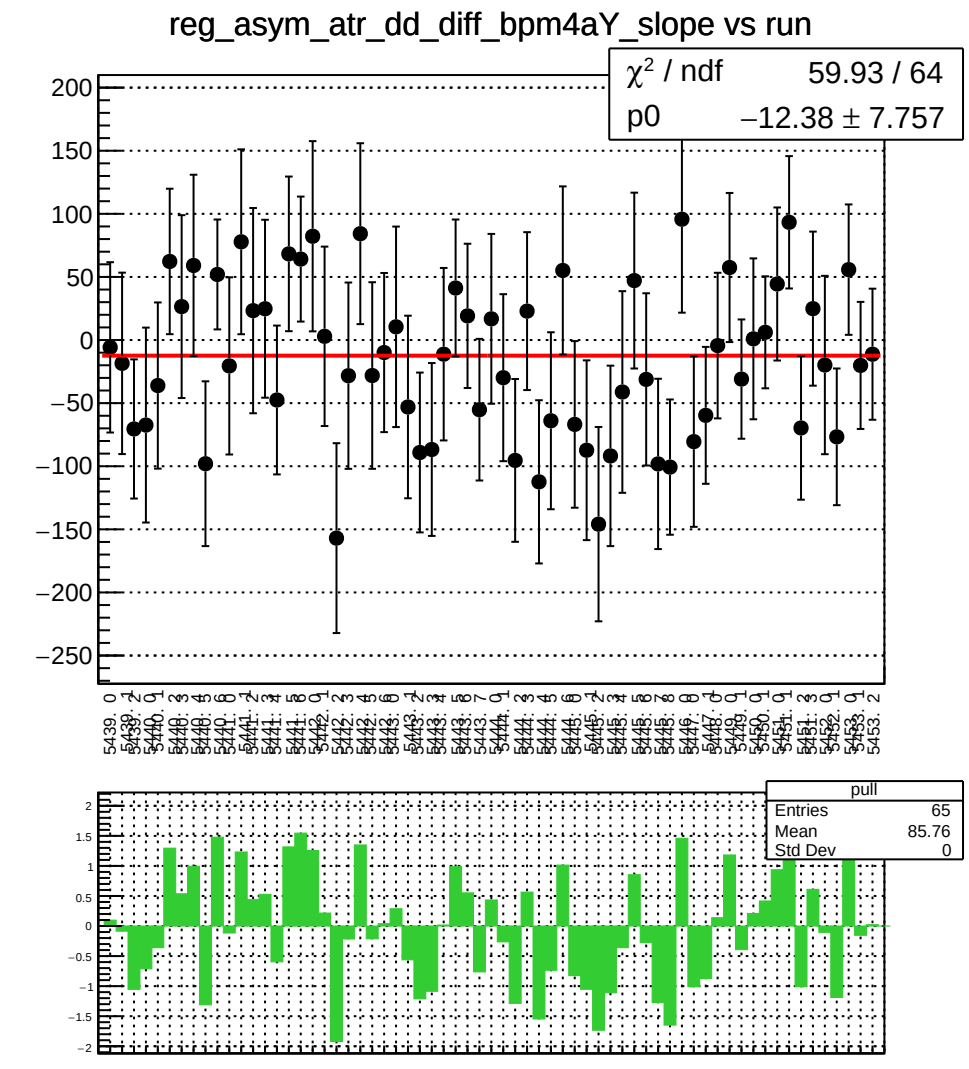

pull1D
Entries 65
Mean −0.06032
Std Dev 0.8835

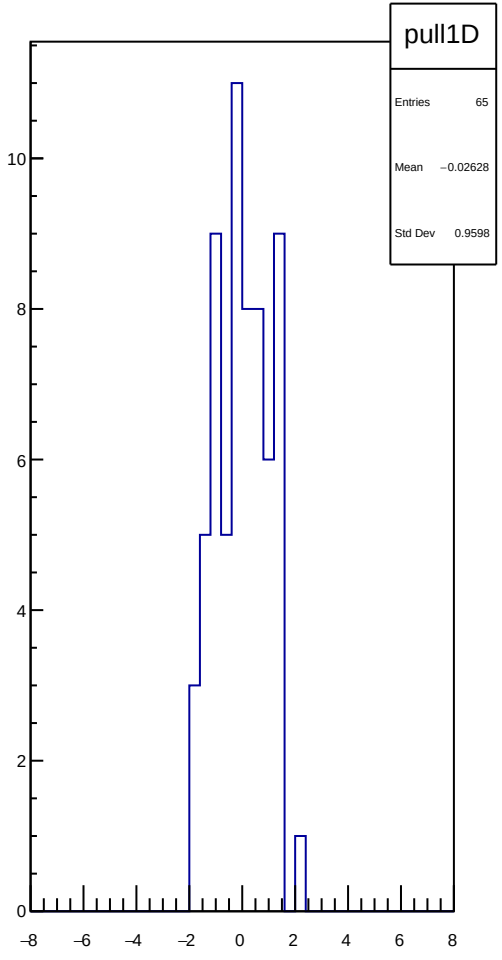

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 69.97 / 64
p0 −255.6 ± 0.531
pull
Entries 65
Mean 439.1
Std Dev 0

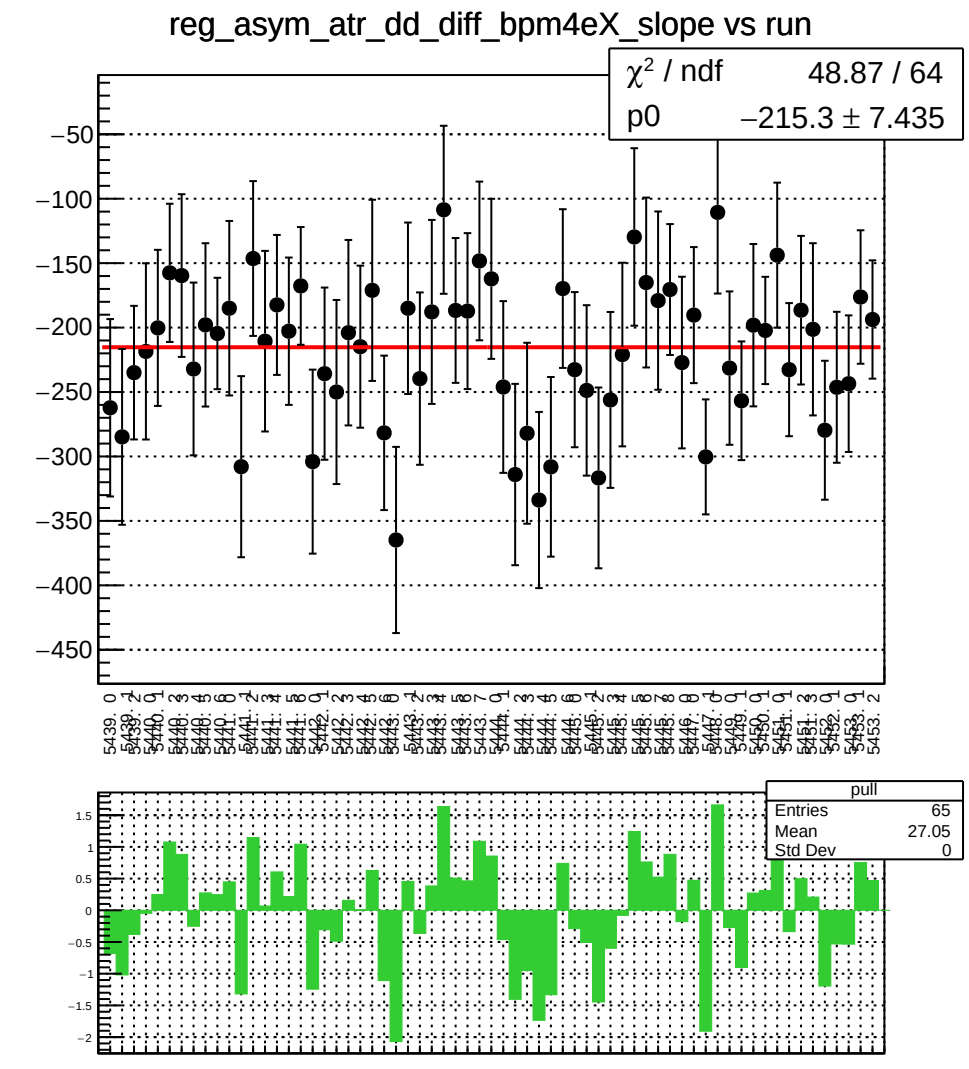

pull1D
Entries 65
Mean −0.01562
Std Dev 1.037

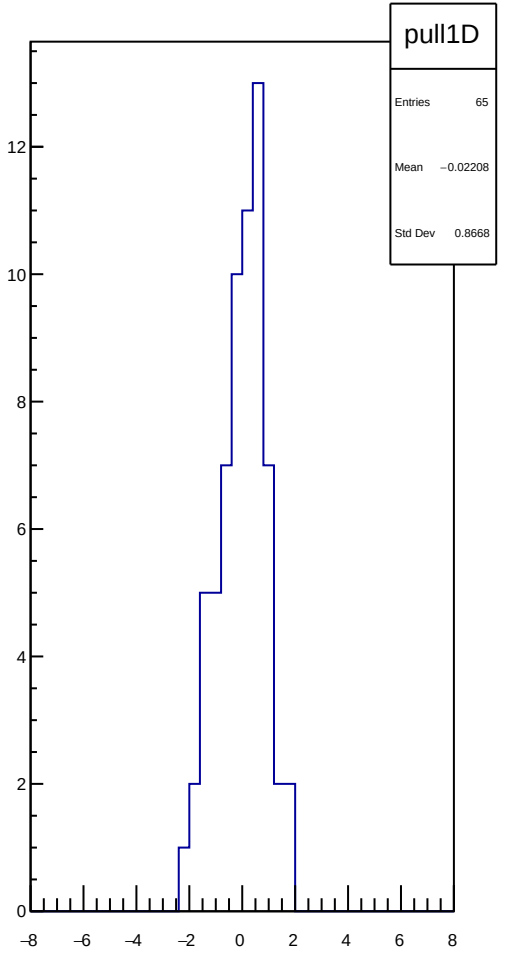

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 47.01 / 64
p0 175.9 ± 9.503
pull
Entries 65
Mean 30.23
Std Dev 0

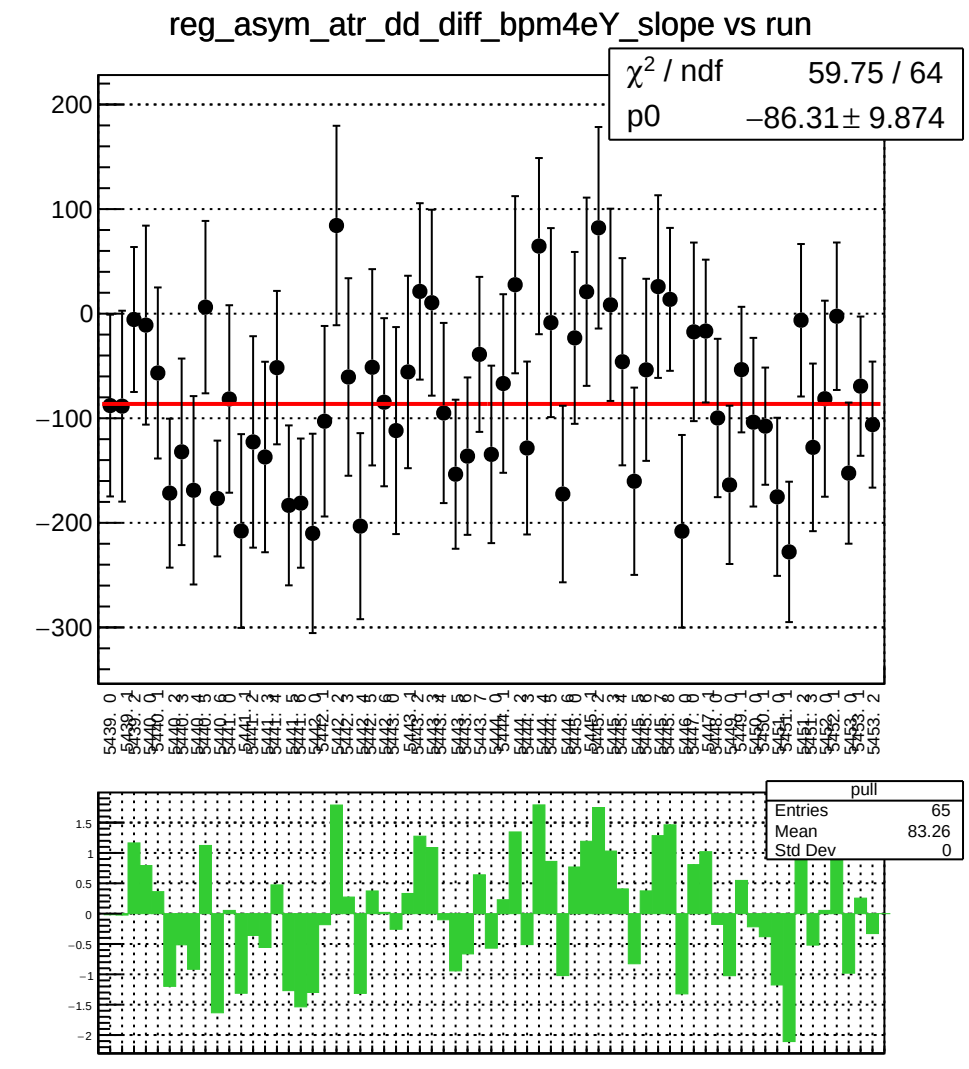

pull1D
Entries 65
Mean 0.02146
Std Dev 0.8502

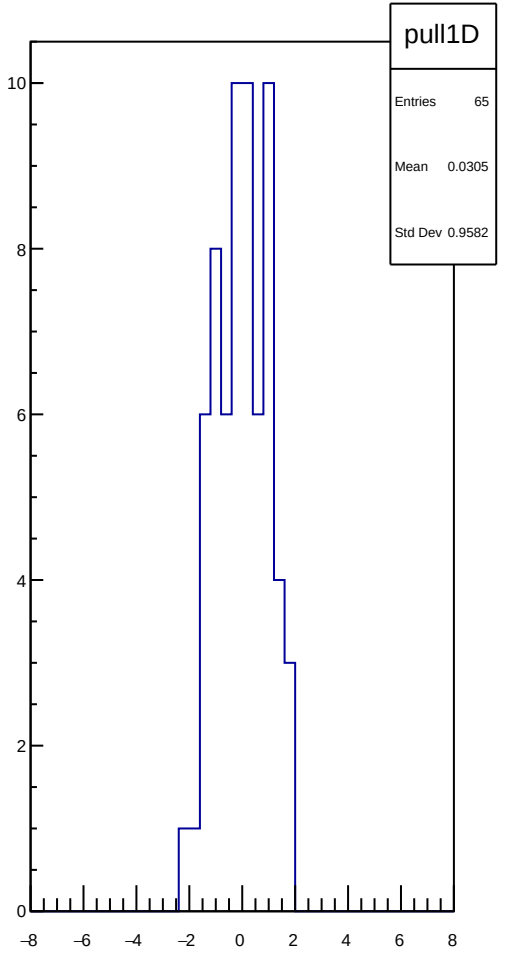

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.93 / 64
p0 −12.38 ± 7.757
pull
Entries 65
Mean 85.76
Std Dev 0

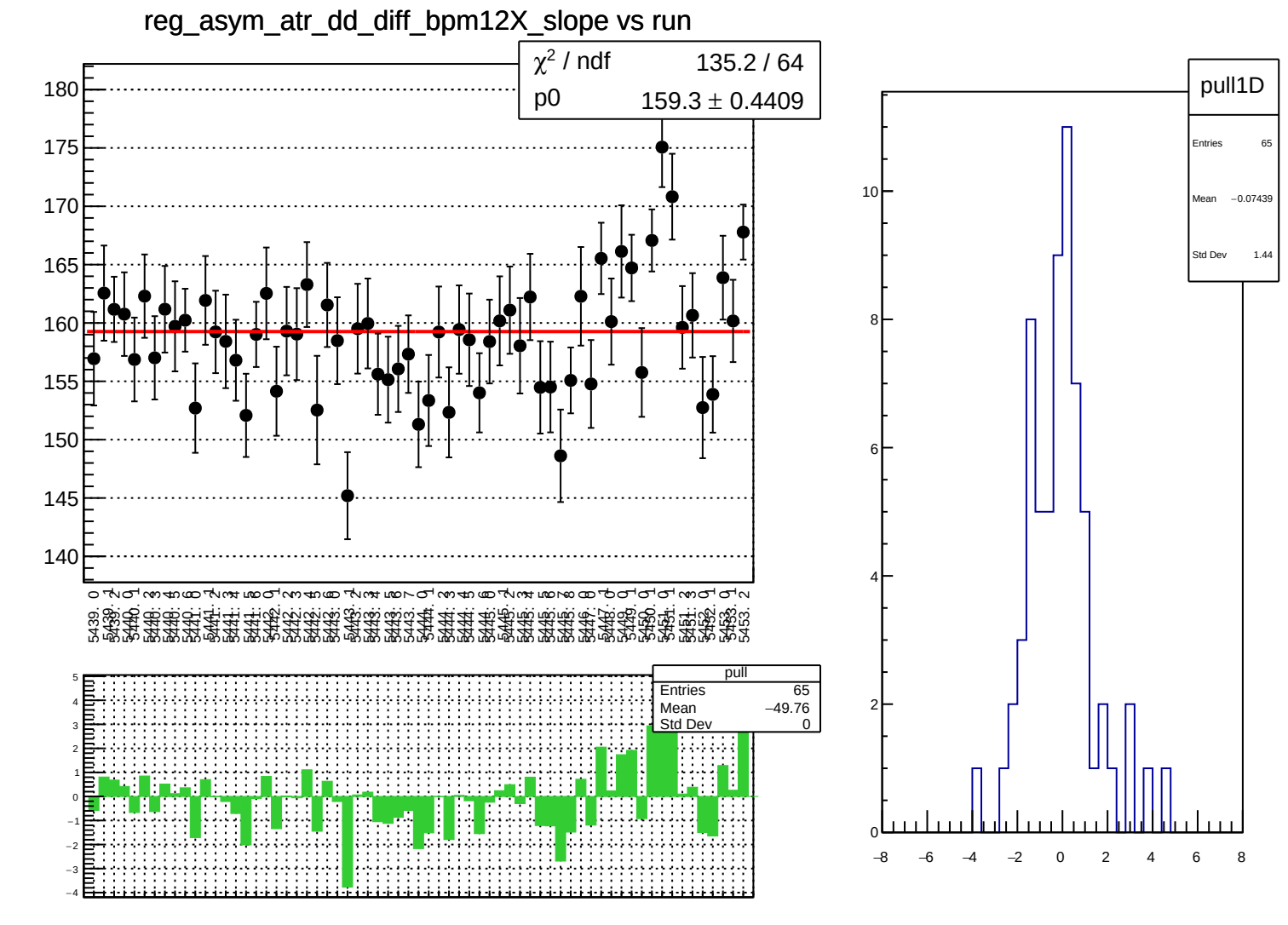

pull1D
Entries 65
Mean −0.02628
Std Dev 0.9598

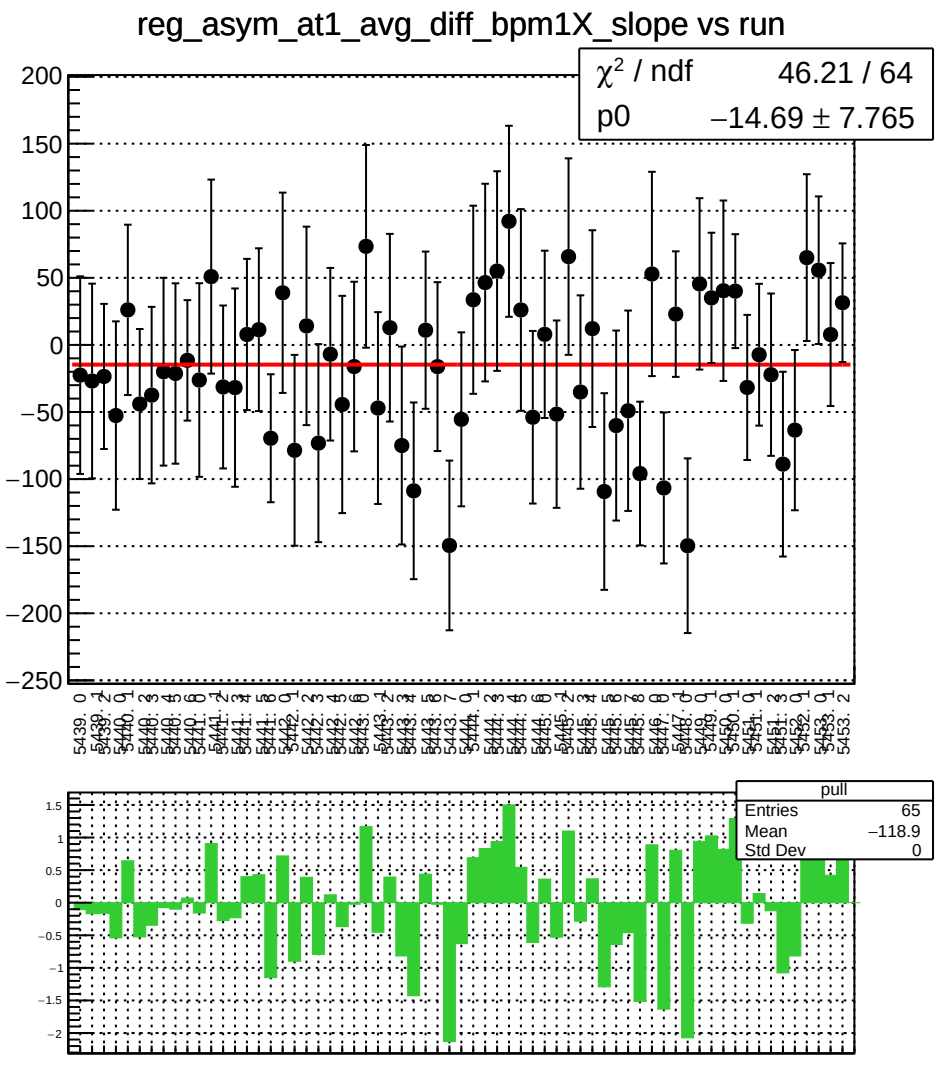

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.87 / 64
p0 −215.3 ± 7.435
pull
Entries 65
Mean 27.05
Std Dev 0

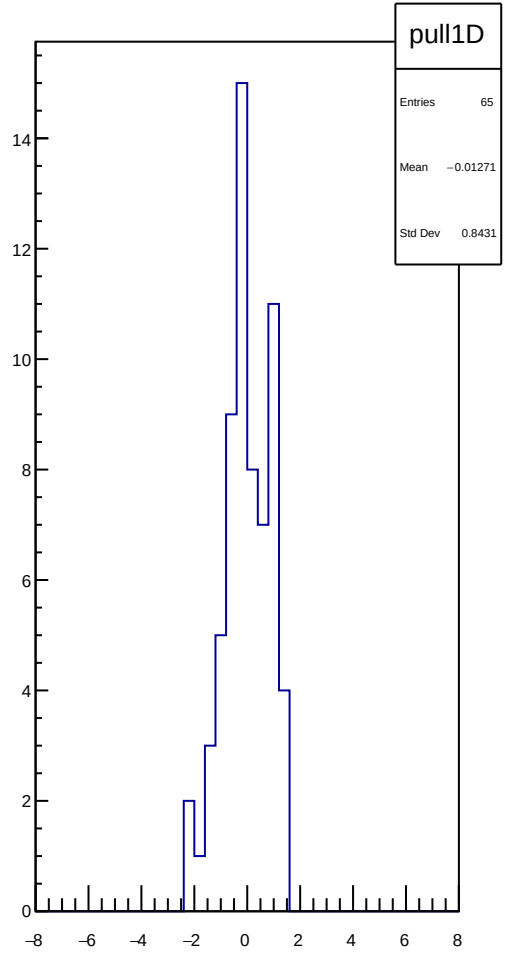

pull1D
Entries 65
Mean −0.02208
Std Dev 0.8668

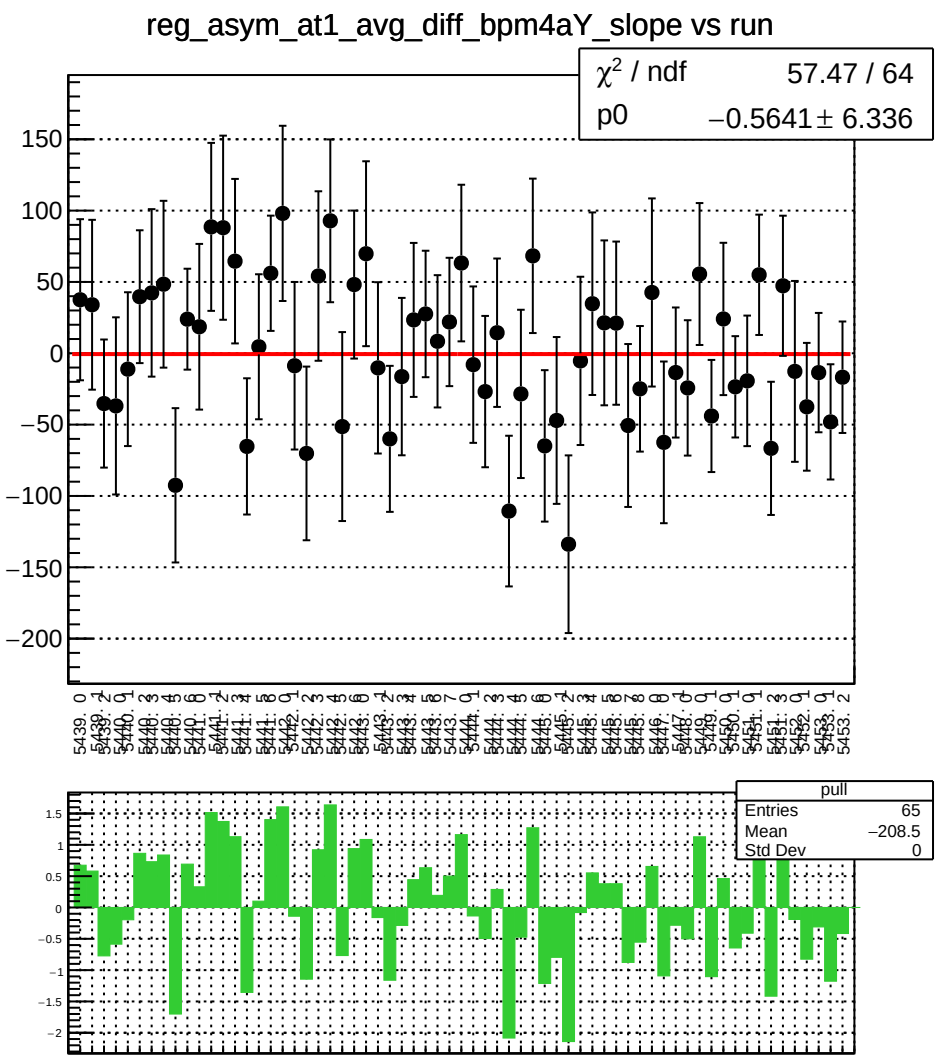

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.75 / 64
p0 −86.31 ± 9.874
pull
Entries 65
Mean 83.26
Std Dev 0

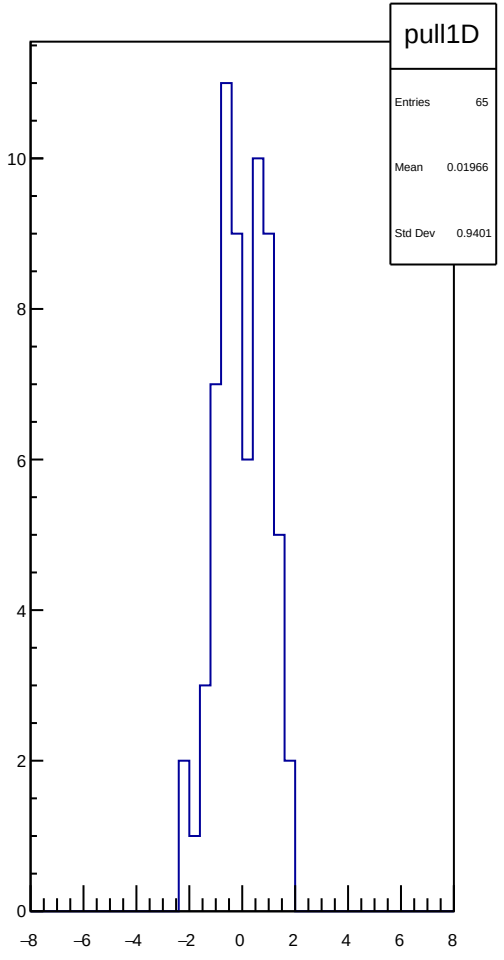

pull1D
Entries 65
Mean 0.0305
Std Dev 0.9582

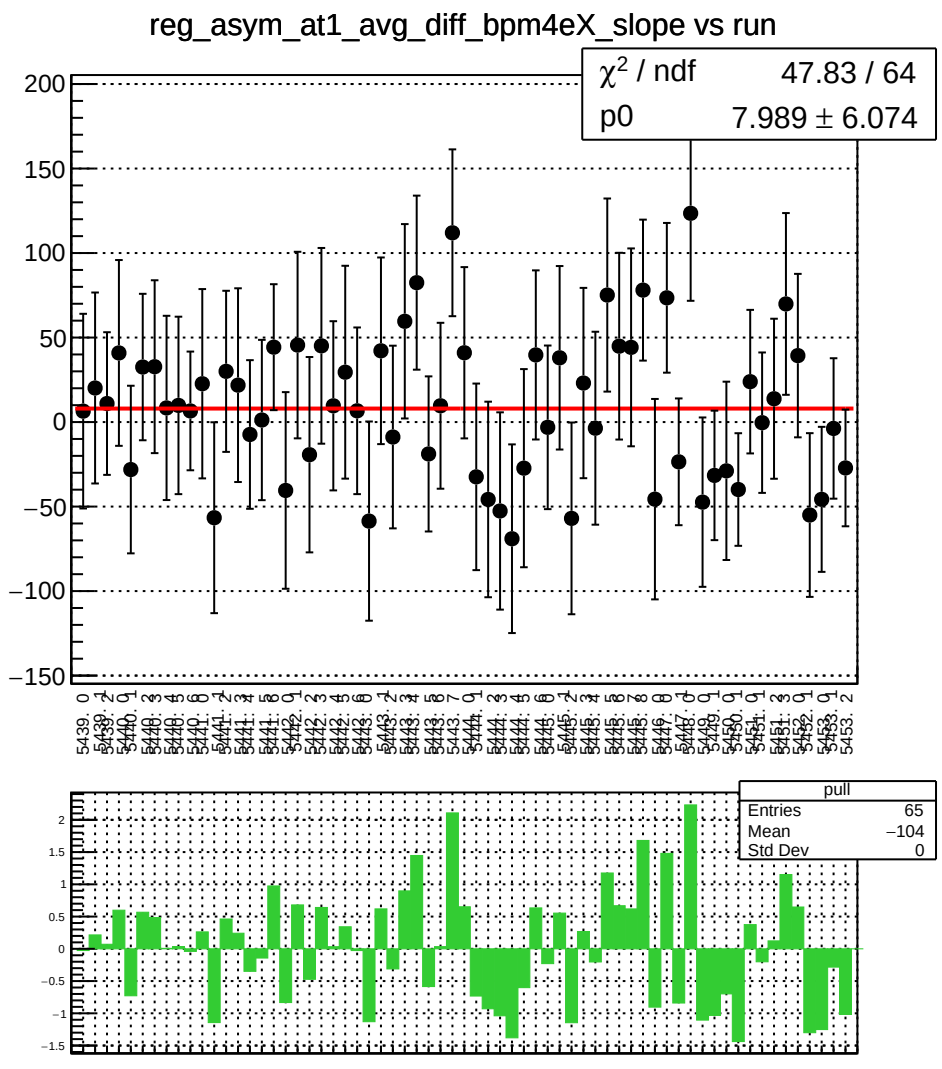

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 135.2 / 64
p0 159.3 ± 0.4409
pull
Entries 65
Mean −49.76
Std Dev 0
pull1D
Entries 65
Mean −0.07439
Std Dev 1.44

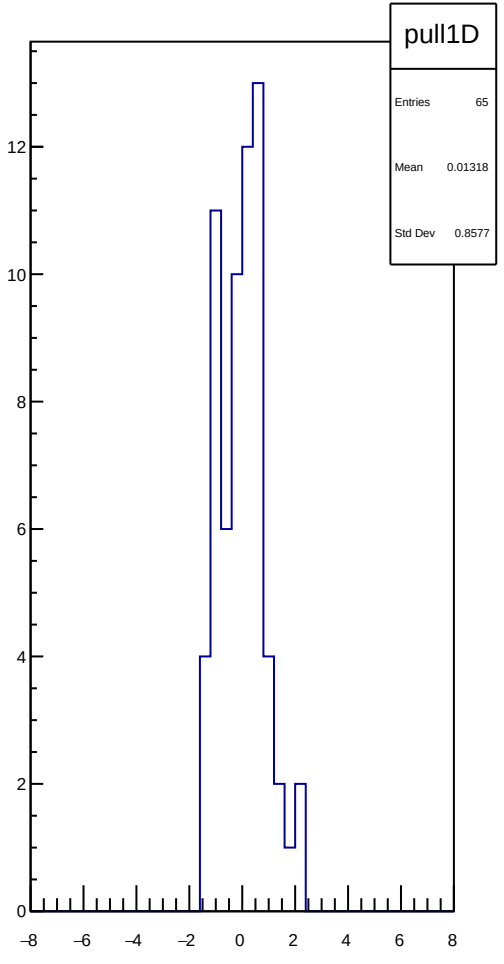

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 46.21 / 64
p0 −14.69 ± 7.765
pull
Entries 65
Mean −118.9
Std Dev 0

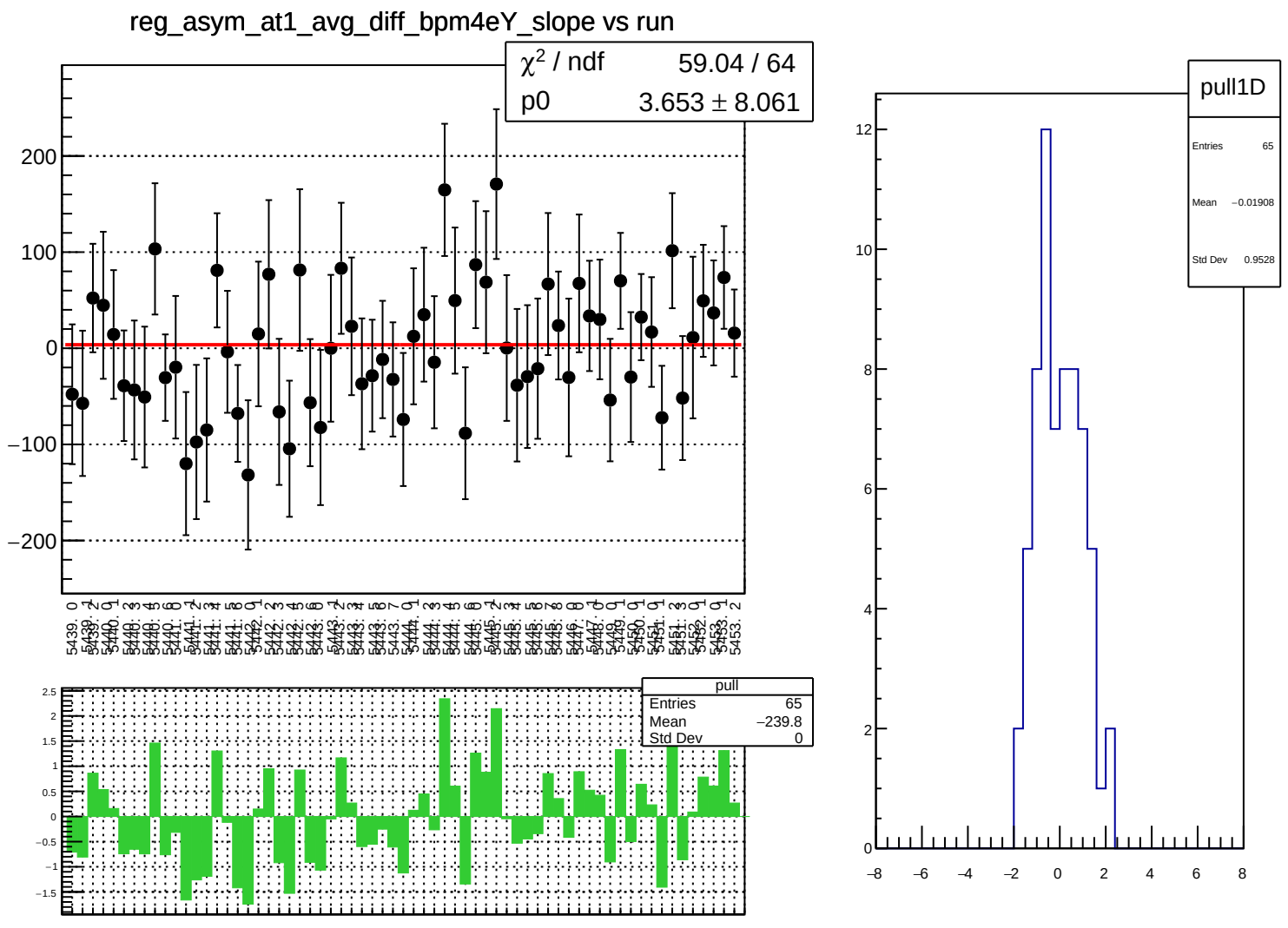

pull1D
Entries 65
Mean −0.01271
Std Dev 0.8431

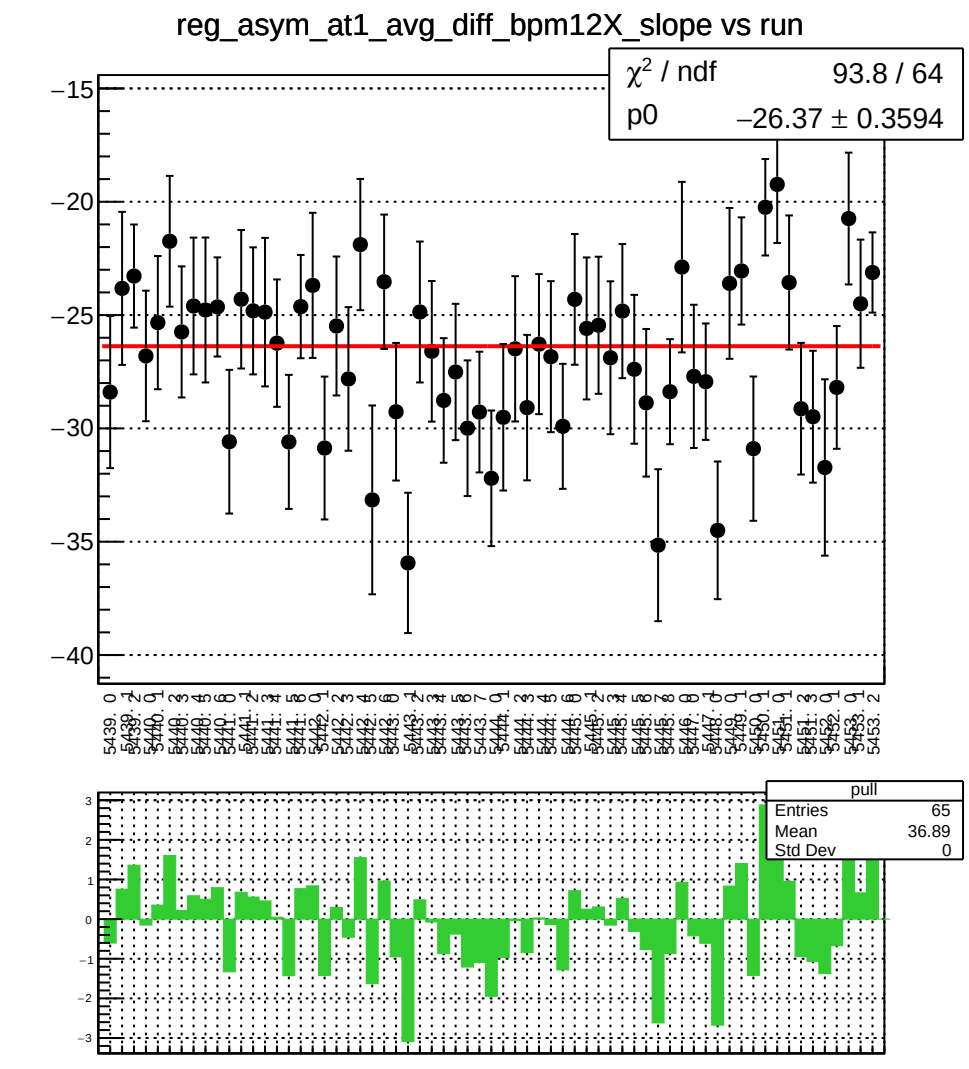

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.47 / 64
p0 −0.5641 ± 6.336
pull
Entries 65
Mean −208.5
Std Dev 0

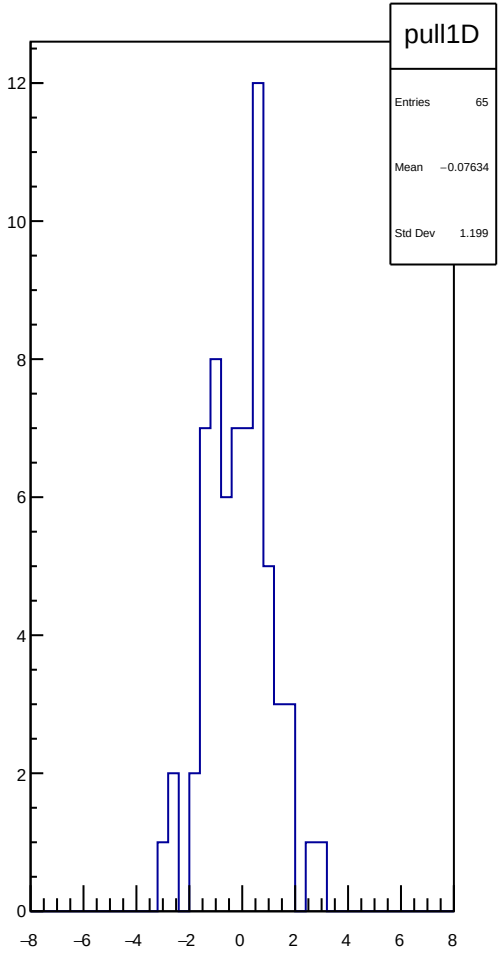

pull1D
Entries 65
Mean 0.01966
Std Dev 0.9401

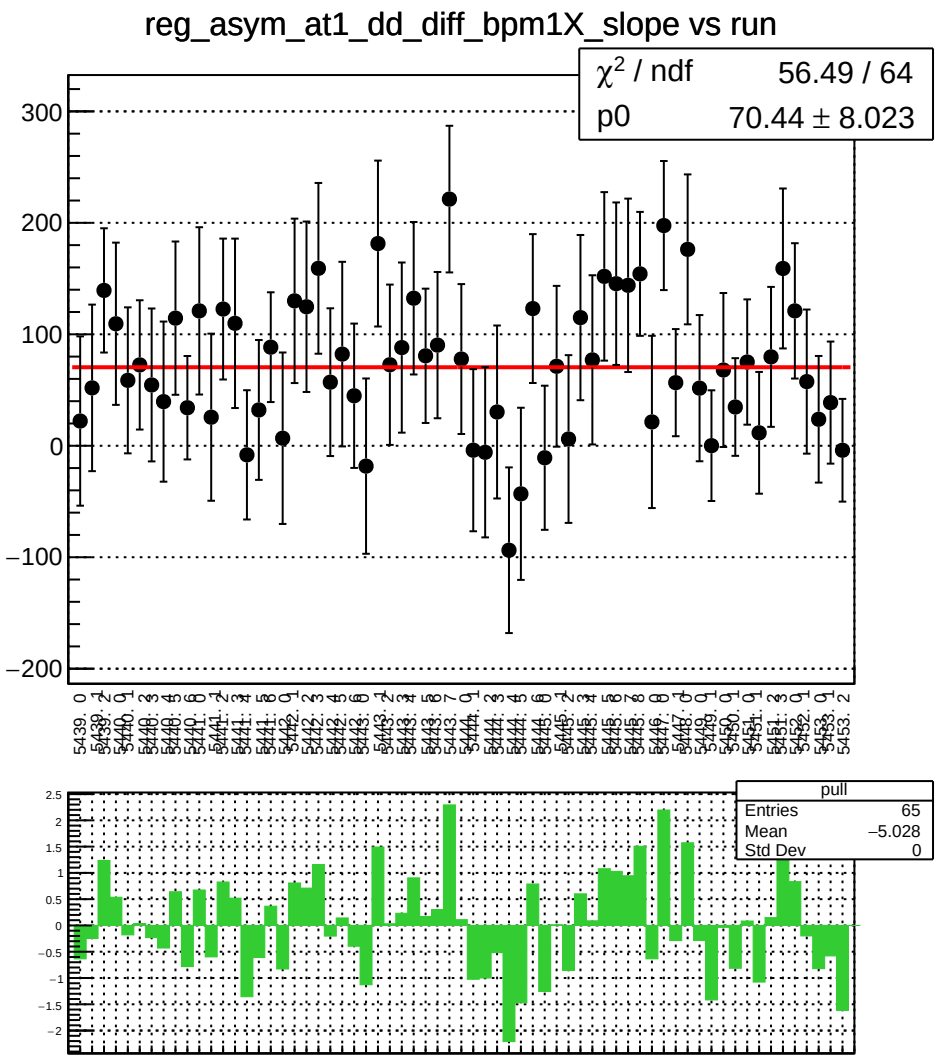

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.83 / 64
p0 7.989 ± 6.074
pull
Entries 65
Mean −104
Std Dev 0

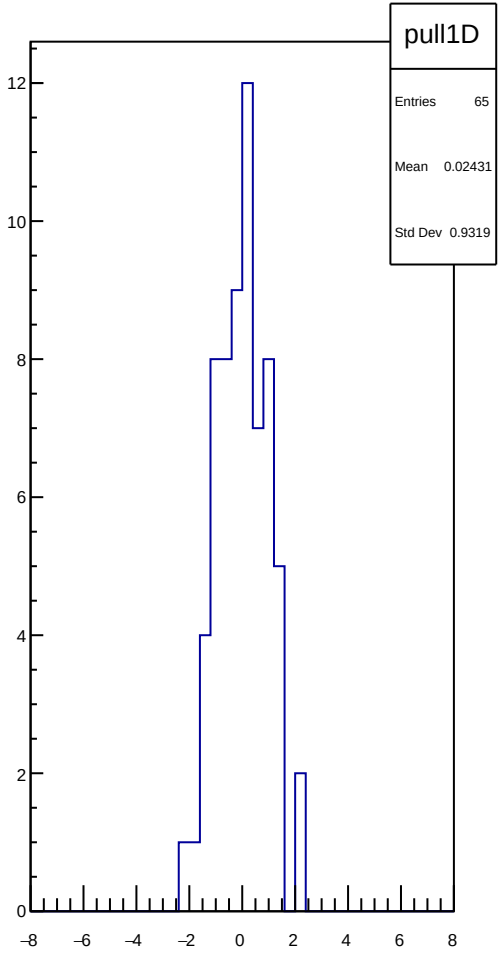

pull1D
Entries 65
Mean 0.01318
Std Dev 0.8577

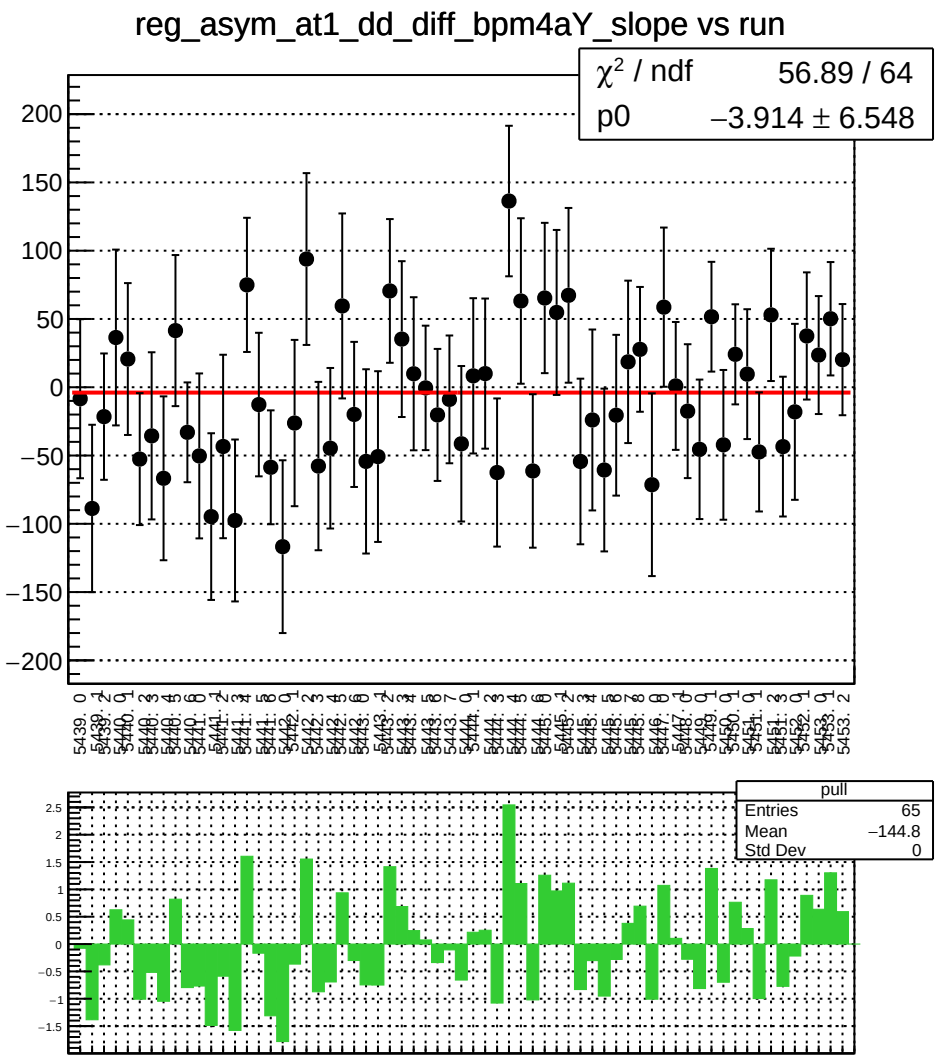

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.04 / 64
p0 3.653 ± 8.061
200
100
0
−100
−200
pull
Entries 65
Mean −239.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 65
Mean −0.01908
Std Dev 0.9528
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

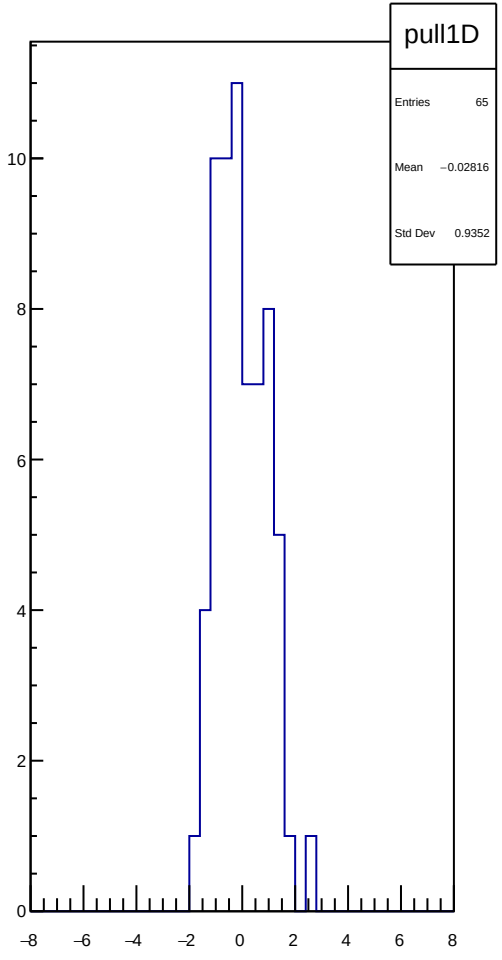

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 93.8 / 64
p0 −26.37 ± 0.3594
pull
Entries 65
Mean 36.89
Std Dev 0

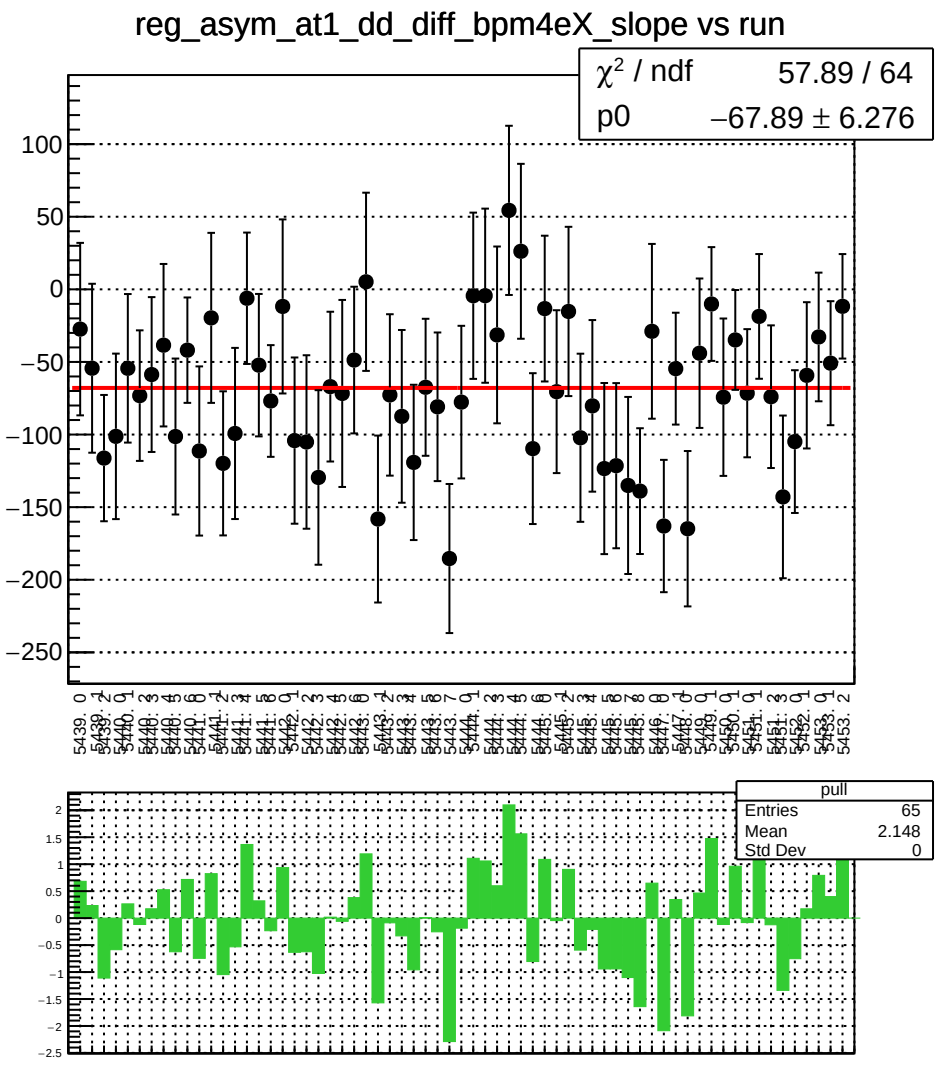

pull1D
Entries 65
Mean −0.07634
Std Dev 1.199

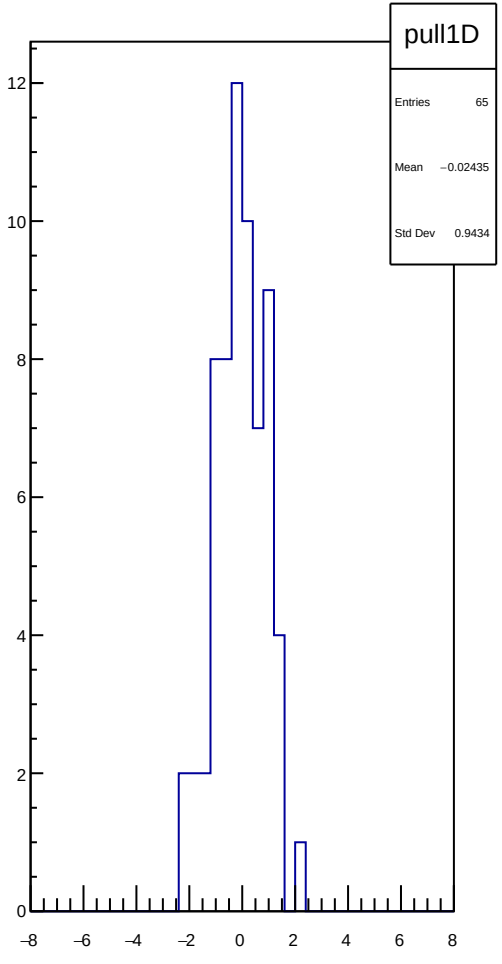

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 56.49 / 64
p0 70.44 ± 8.023
pull
Entries 65
Mean −5.028
Std Dev 0

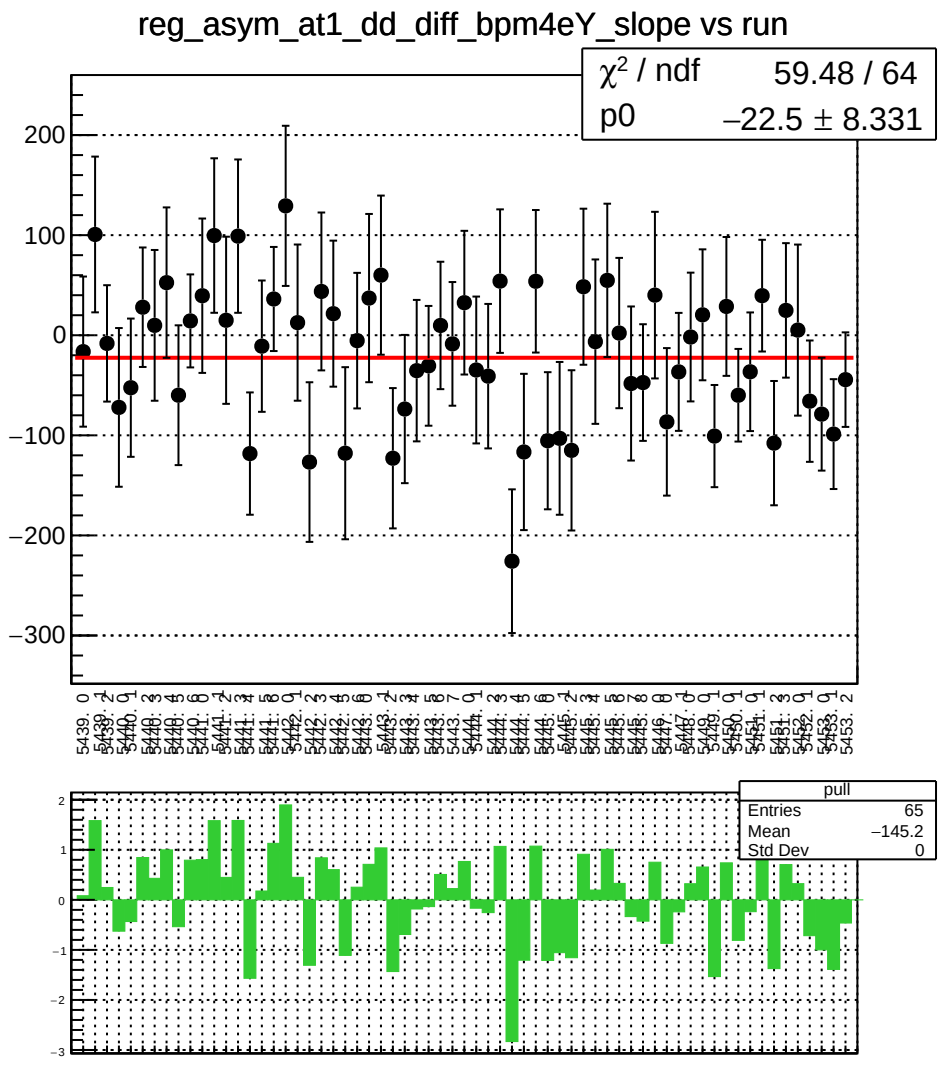

pull1D
Entries 65
Mean 0.02431
Std Dev 0.9319

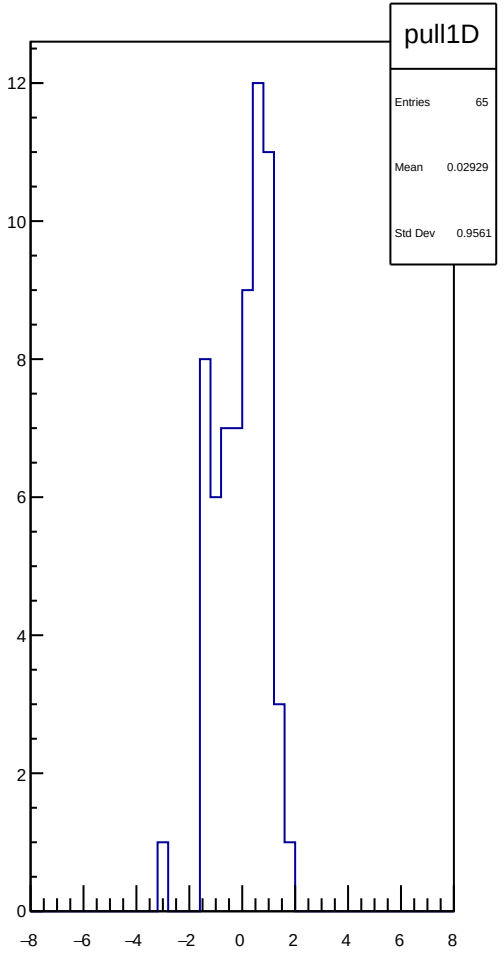

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.89 / 64
p0 −3.914 ± 6.548
pull
Entries 65
Mean −144.8
Std Dev 0

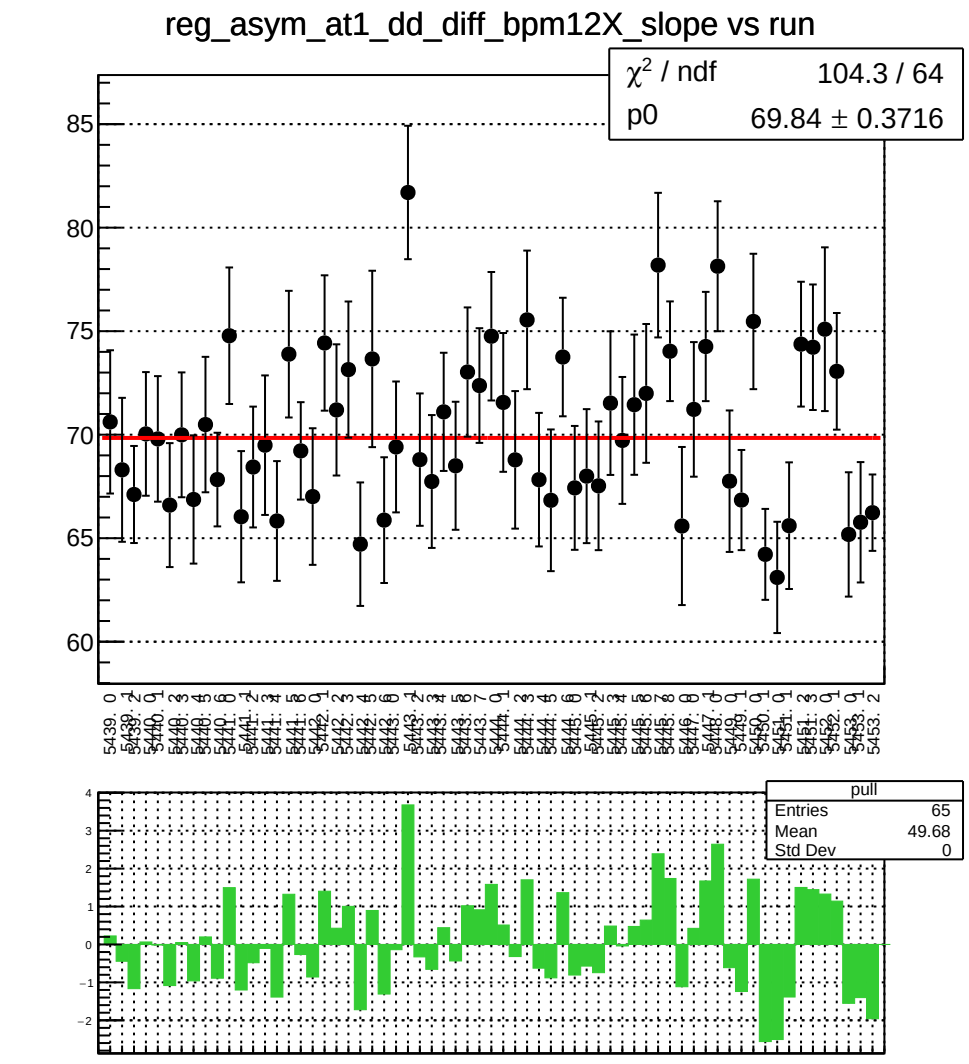

pull1D
Entries 65
Mean −0.02816
Std Dev 0.9352

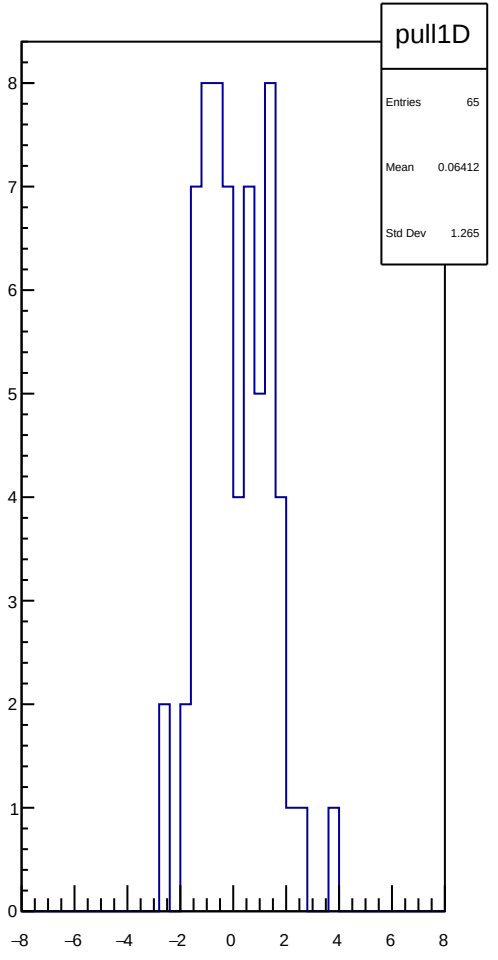

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.89 / 64
p0 −67.89 ± 6.276
pull
Entries 65
Mean 2.148
Std Dev 0

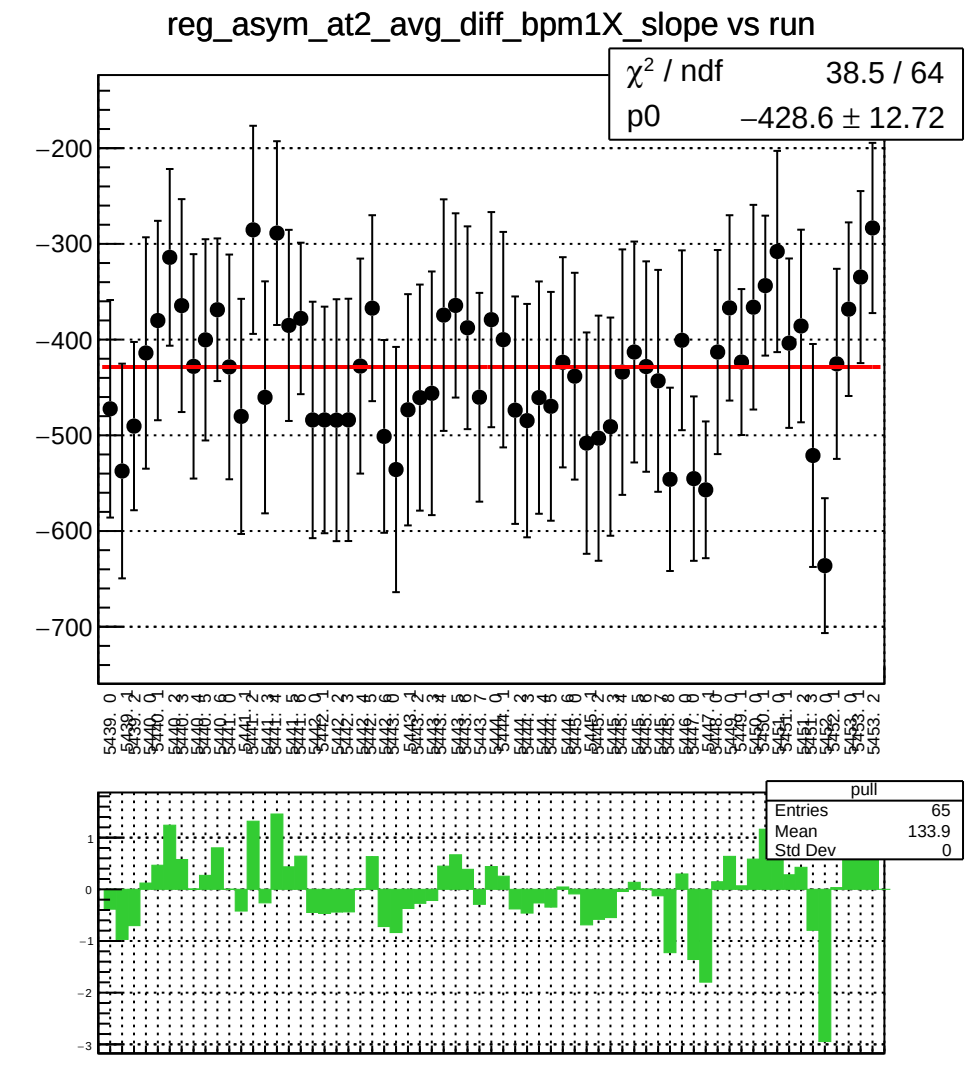

pull1D
Entries 65
Mean −0.02435
Std Dev 0.9434

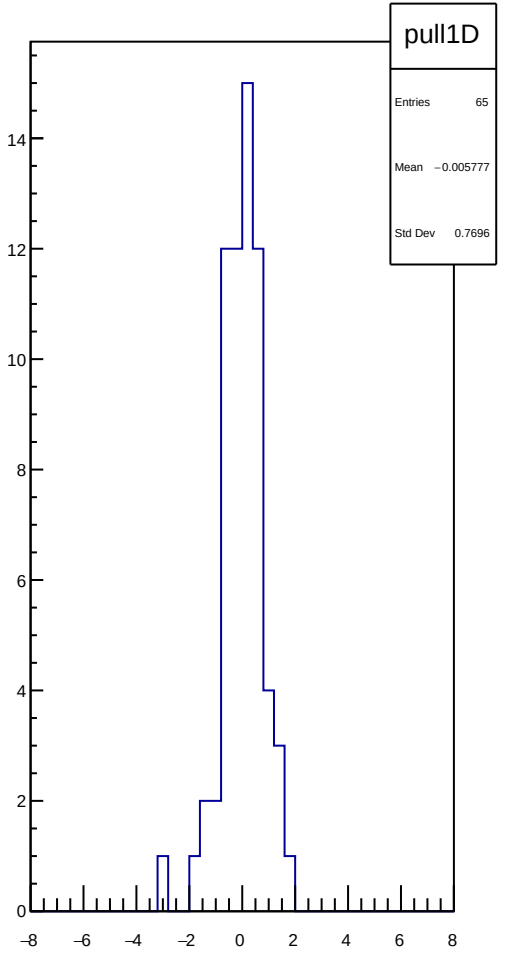

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.48 / 64
p0 −22.5 ± 8.331
200
100
0
−100
−200
−300
pull
Entries 65
Mean −145.2
Std Dev 0
2
1
0
−1
−2
−3

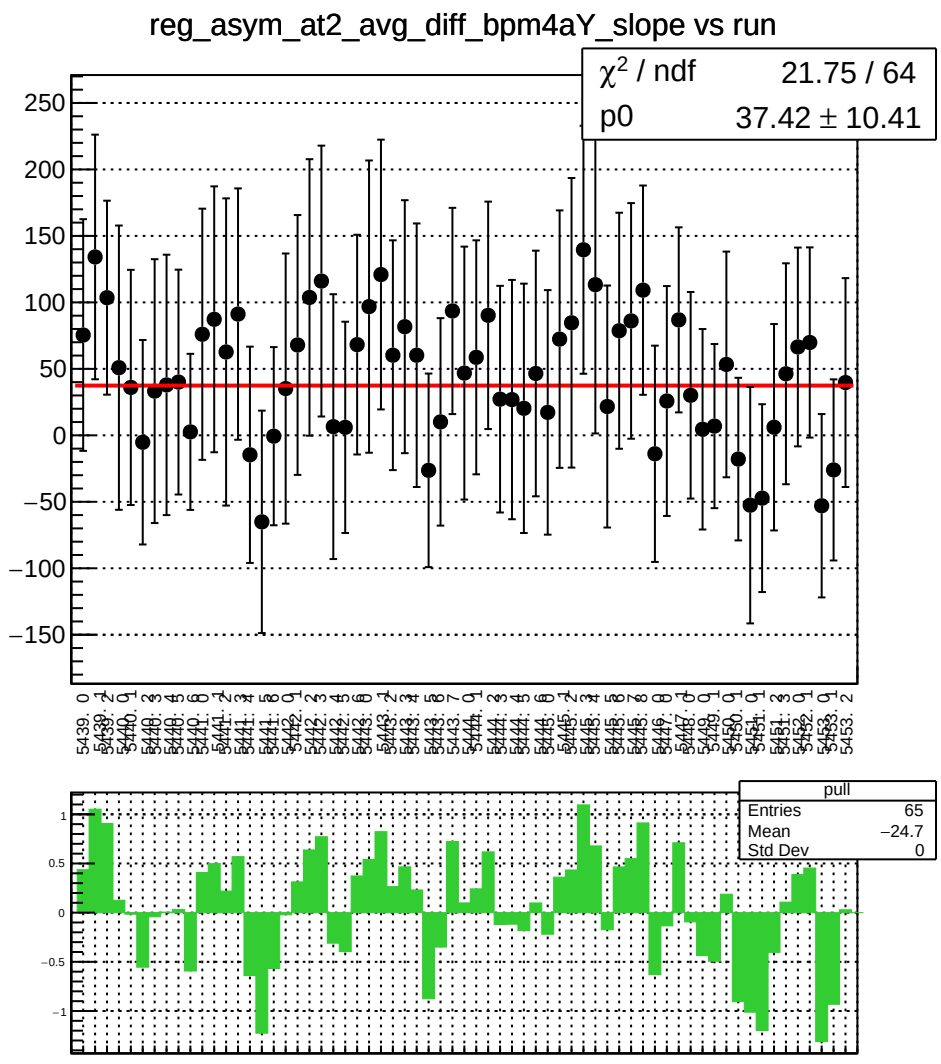

pull1D
Entries 65
Mean 0.02929
Std Dev 0.9561
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

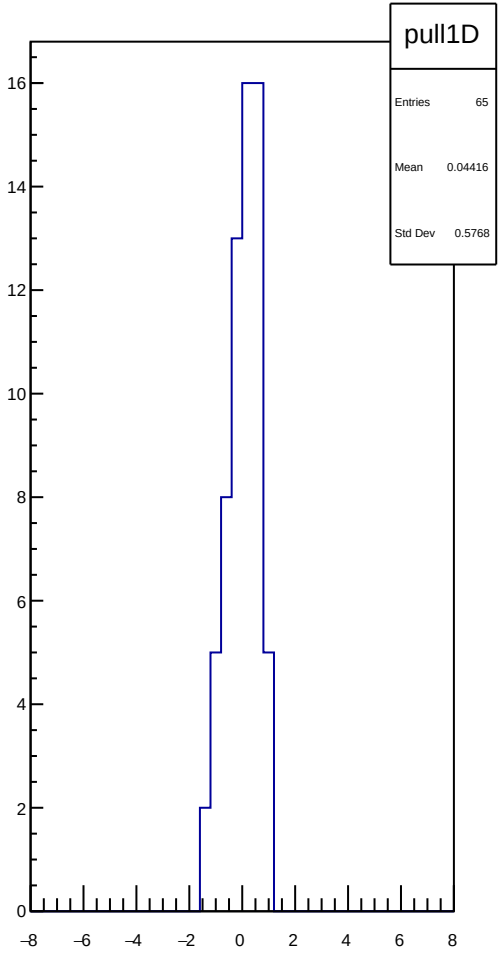

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 104.3 / 64
p0 69.84 ± 0.3716
pull
Entries 65
Mean 49.68
Std Dev 0

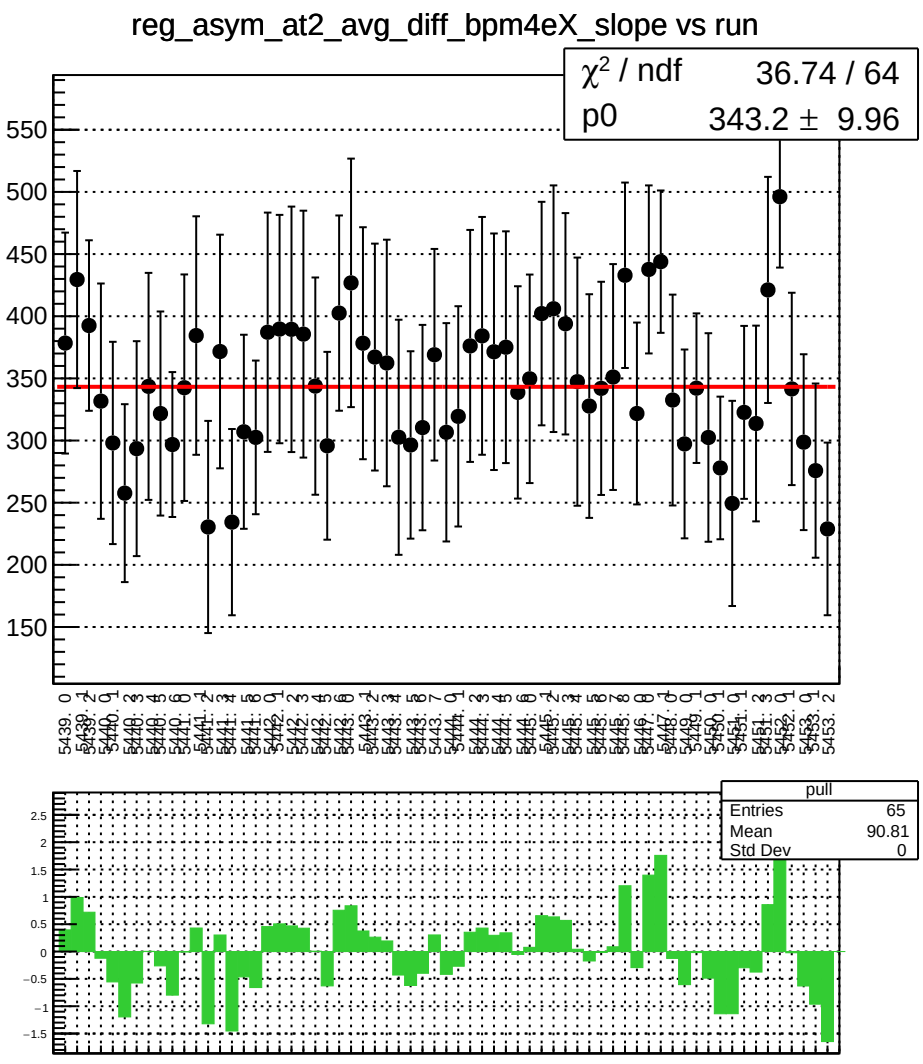

pull1D
Entries 65
Mean 0.06412
Std Dev 1.265

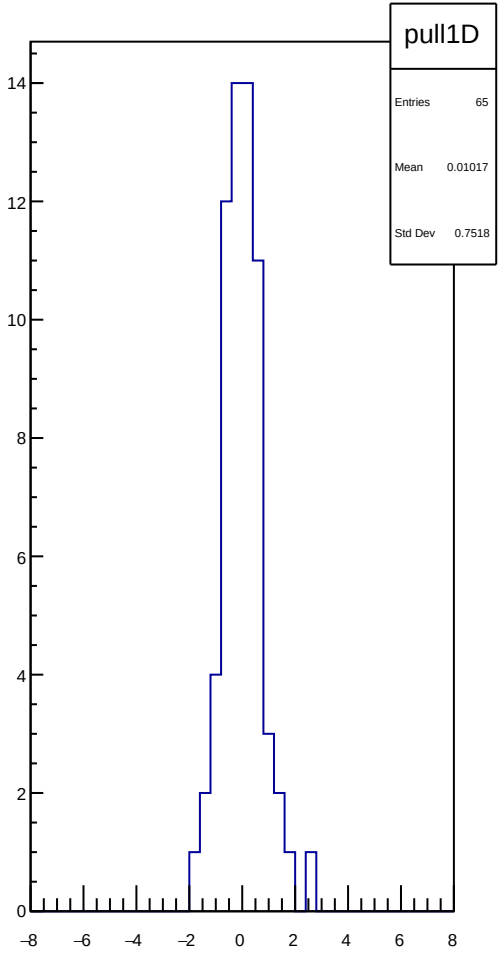

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 38.5 / 64
p0 −428.6 ± 12.72
pull
Entries 65
Mean 133.9
Std Dev 0

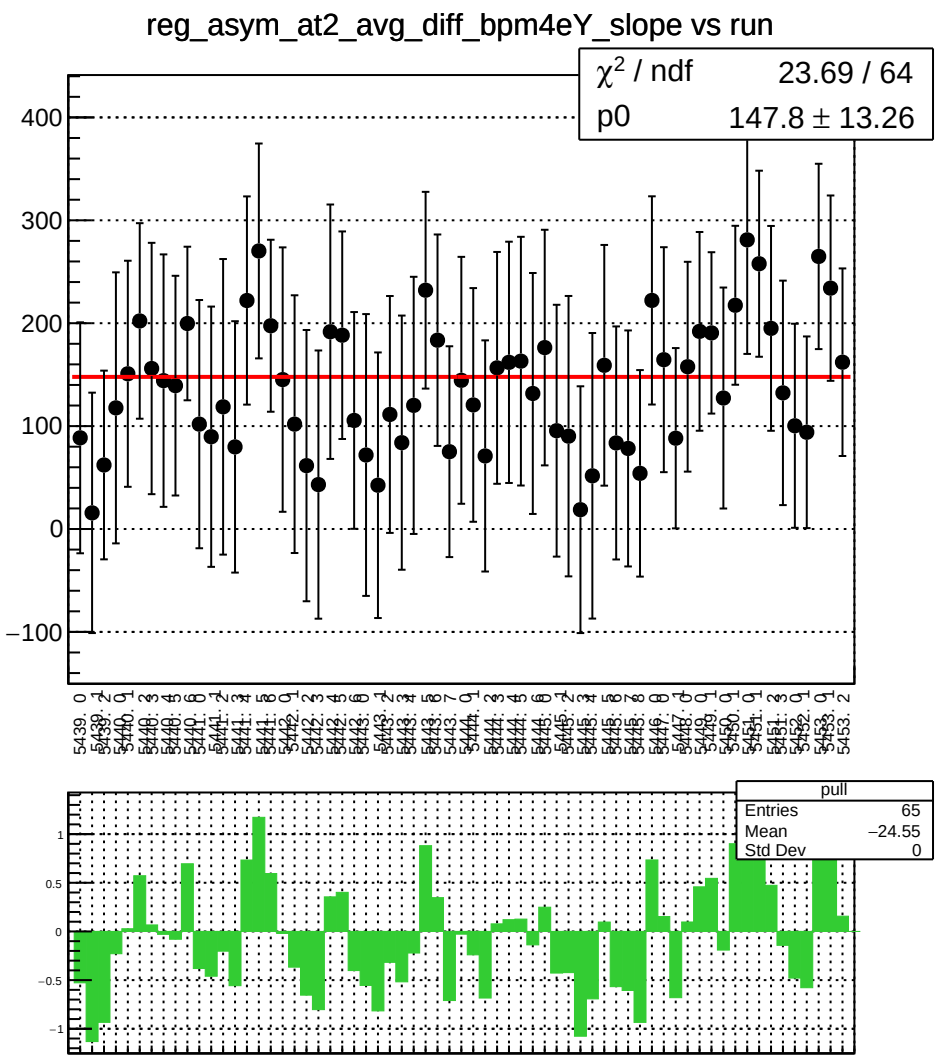

pull1D
Entries 65
Mean −0.005777
Std Dev 0.7696

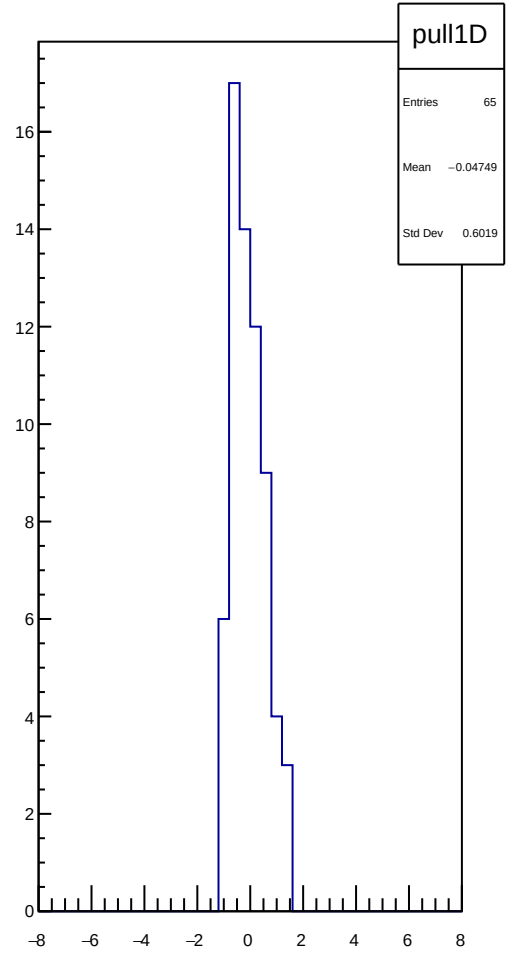

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.75 / 64
p0 37.42 ± 10.41
pull
Entries 65
Mean −24.7
Std Dev 0

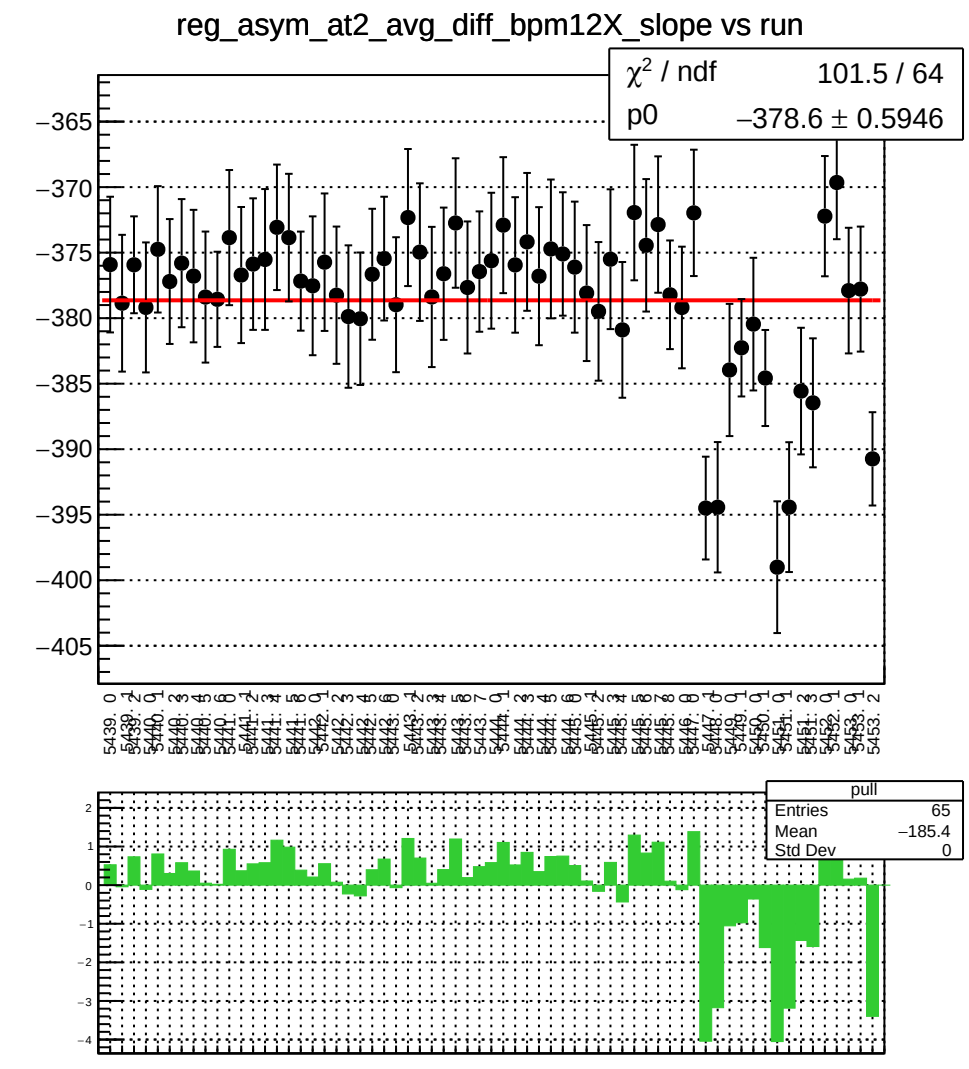

pull1D
Entries 65
Mean 0.04416
Std Dev 0.5768

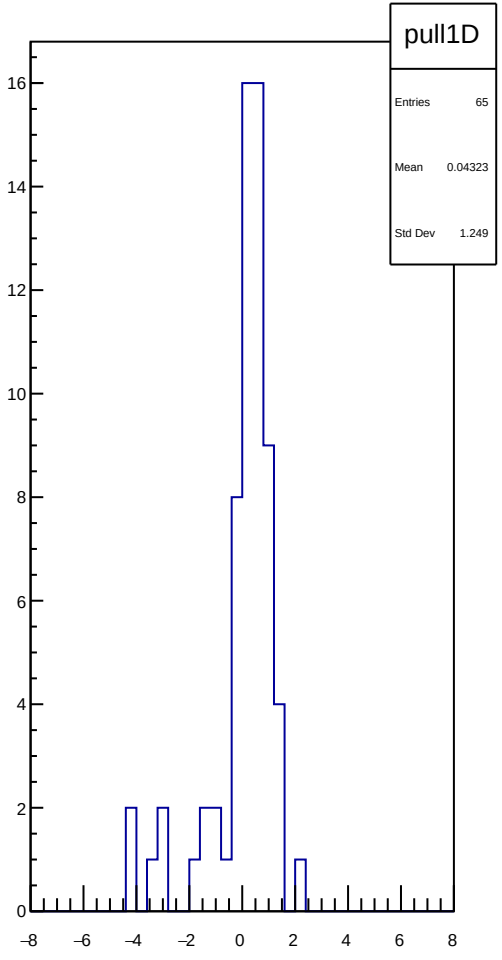

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.74 / 64
p0 343.2 ± 9.96
pull
Entries 65
Mean 90.81
Std Dev 0

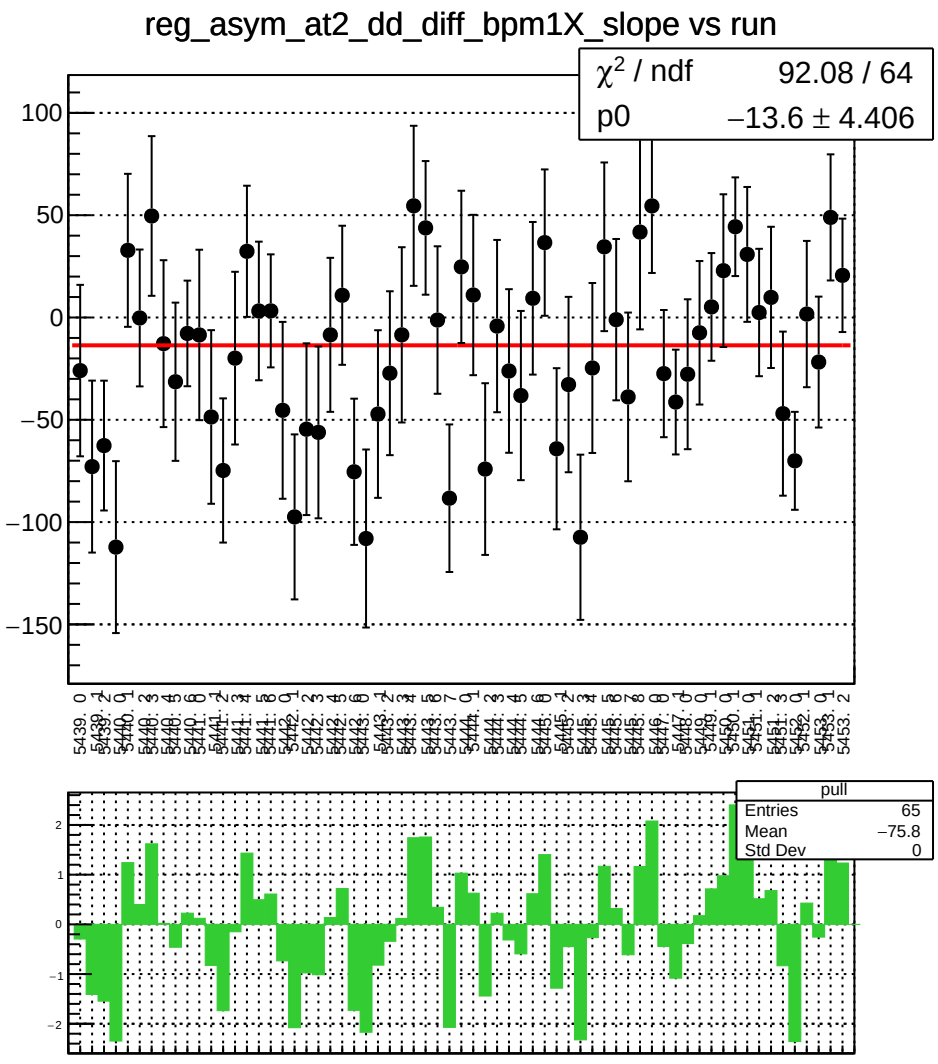

pull1D
Entries 65
Mean 0.01017
Std Dev 0.7518

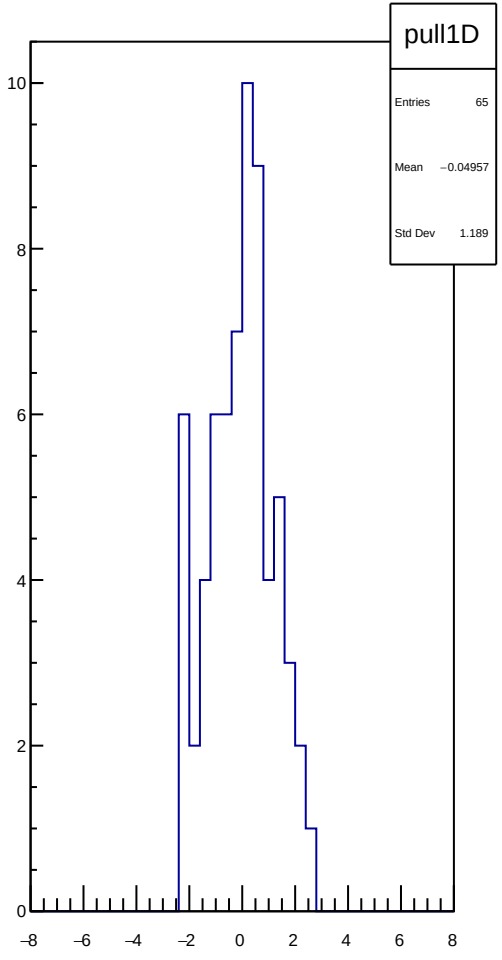

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.69 / 64
p0 147.8 ± 13.26
pull
Entries 65
Mean −24.55
Std Dev 0

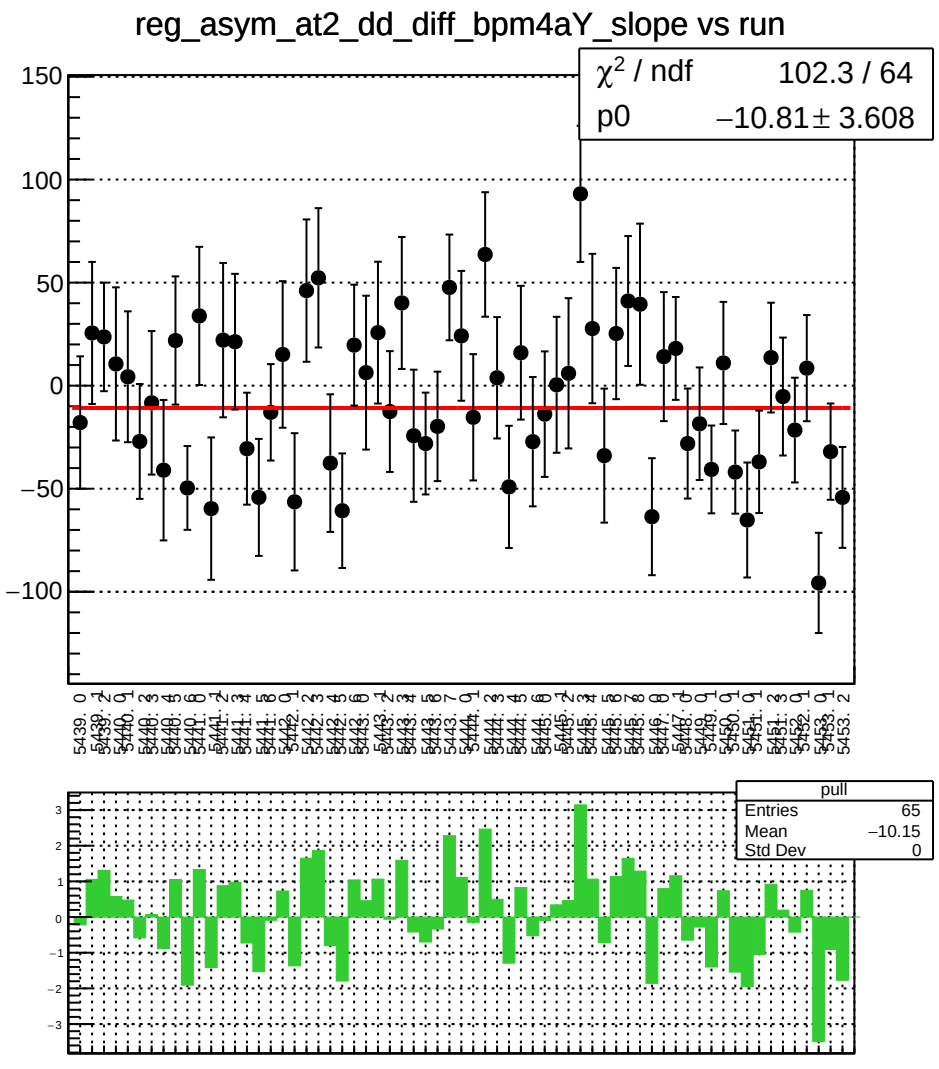

pull1D
Entries 65
Mean −0.04749
Std Dev 0.6019

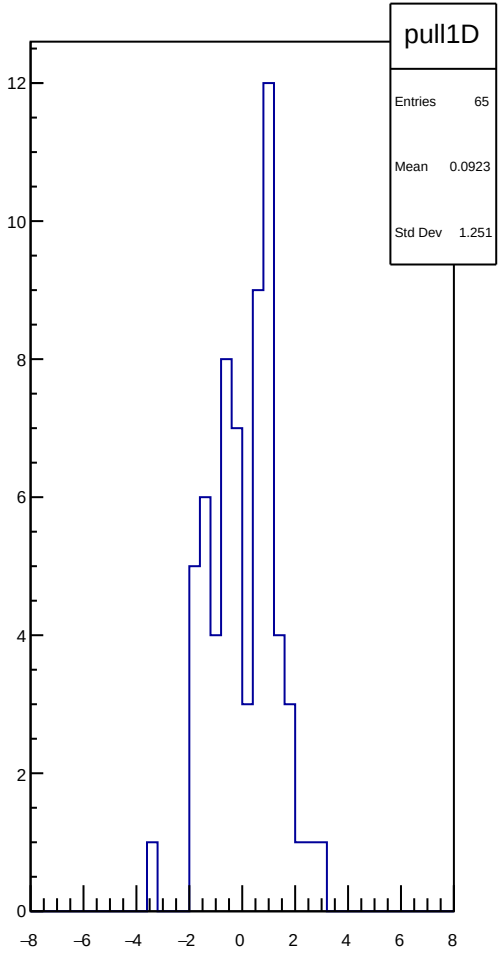

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 101.5 / 64
p0 −378.6 ± 0.5946
pull
Entries 65
Mean −185.4
Std Dev 0

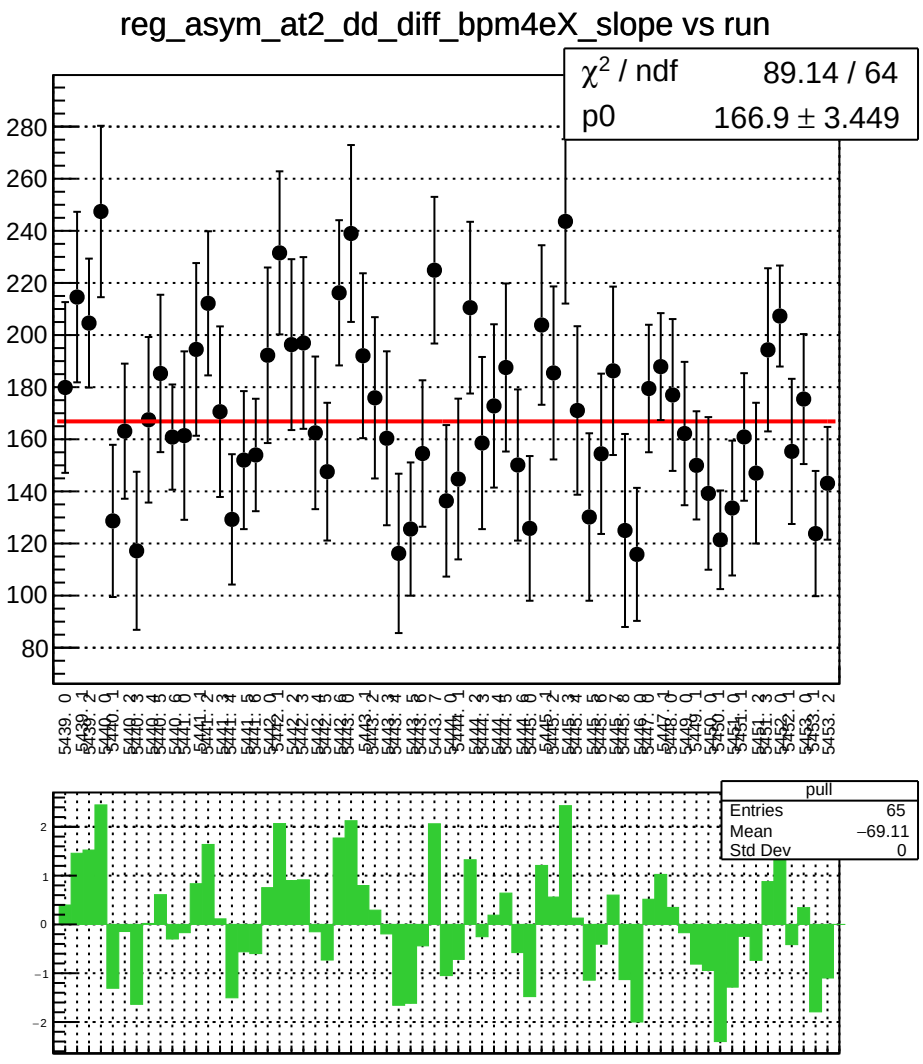

pull1D
Entries 65
Mean 0.04323
Std Dev 1.249

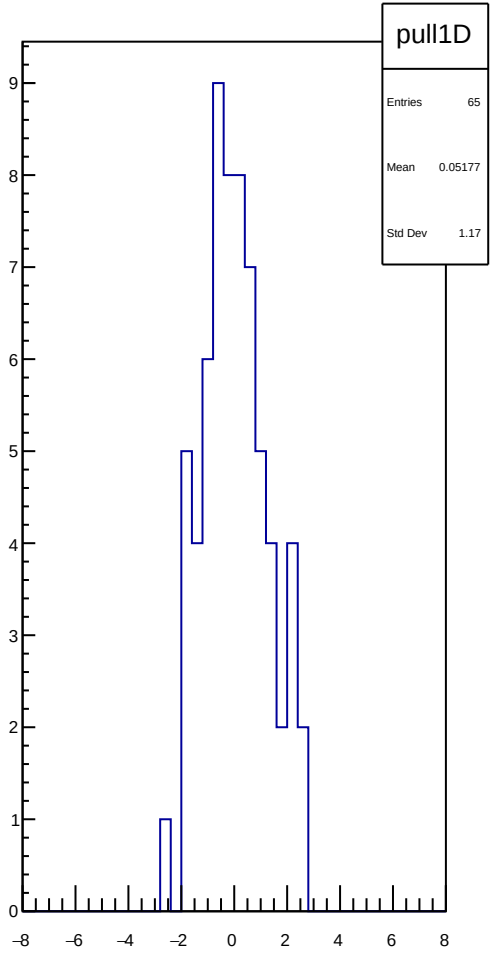

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 92.08 / 64
p0 −13.6 ± 4.406
pull
Entries 65
Mean −75.8
Std Dev 0

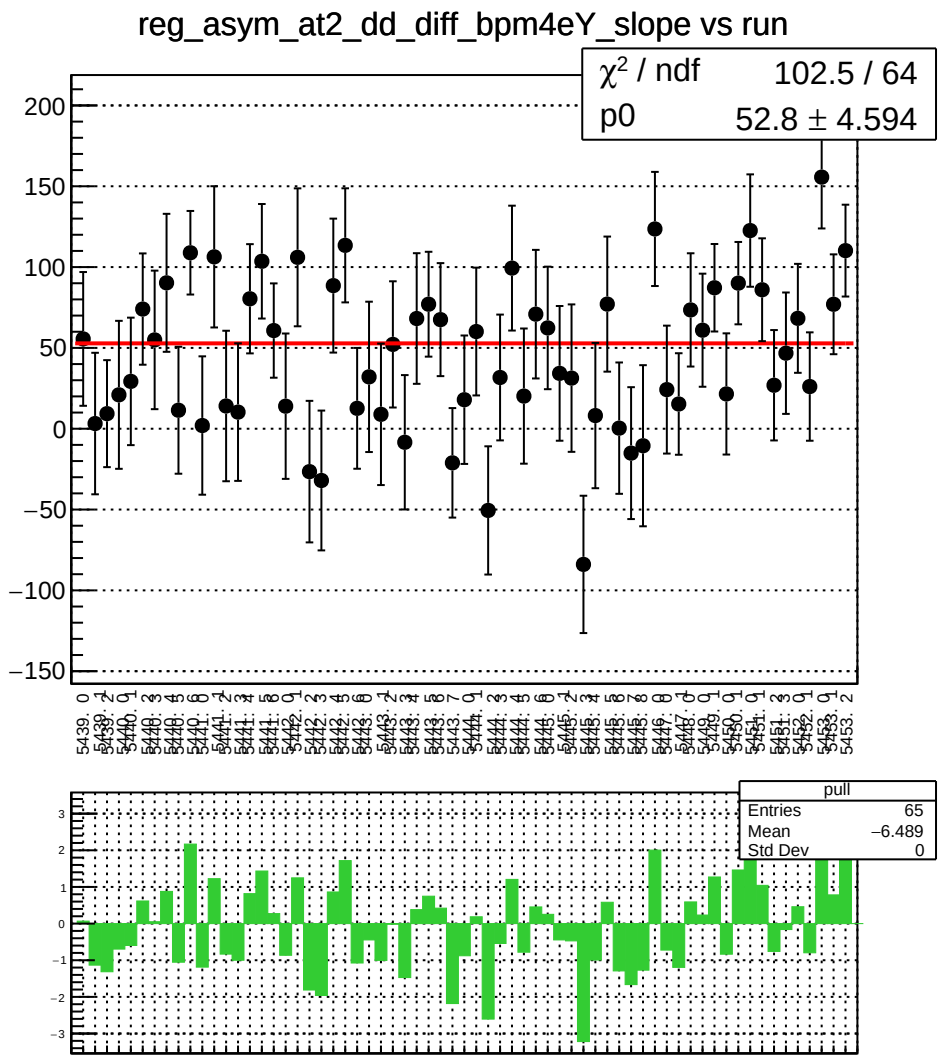

pull1D
Entries 65
Mean −0.04957
Std Dev 1.189

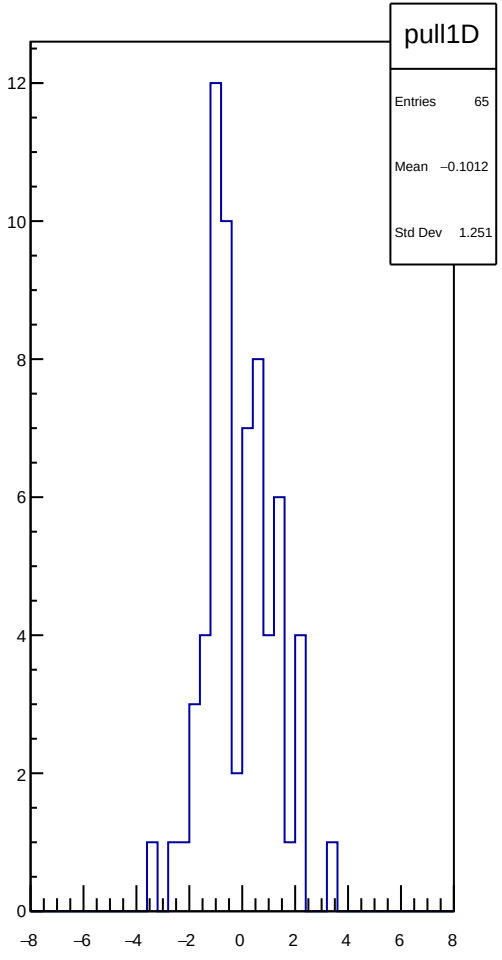

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 102.3 / 64
p0 −10.81 ± 3.608
150
100
50
0
−50
−100
pull
Entries 65
Mean −10.15
Std Dev 0
3
2
1
0
−1
−2
−3

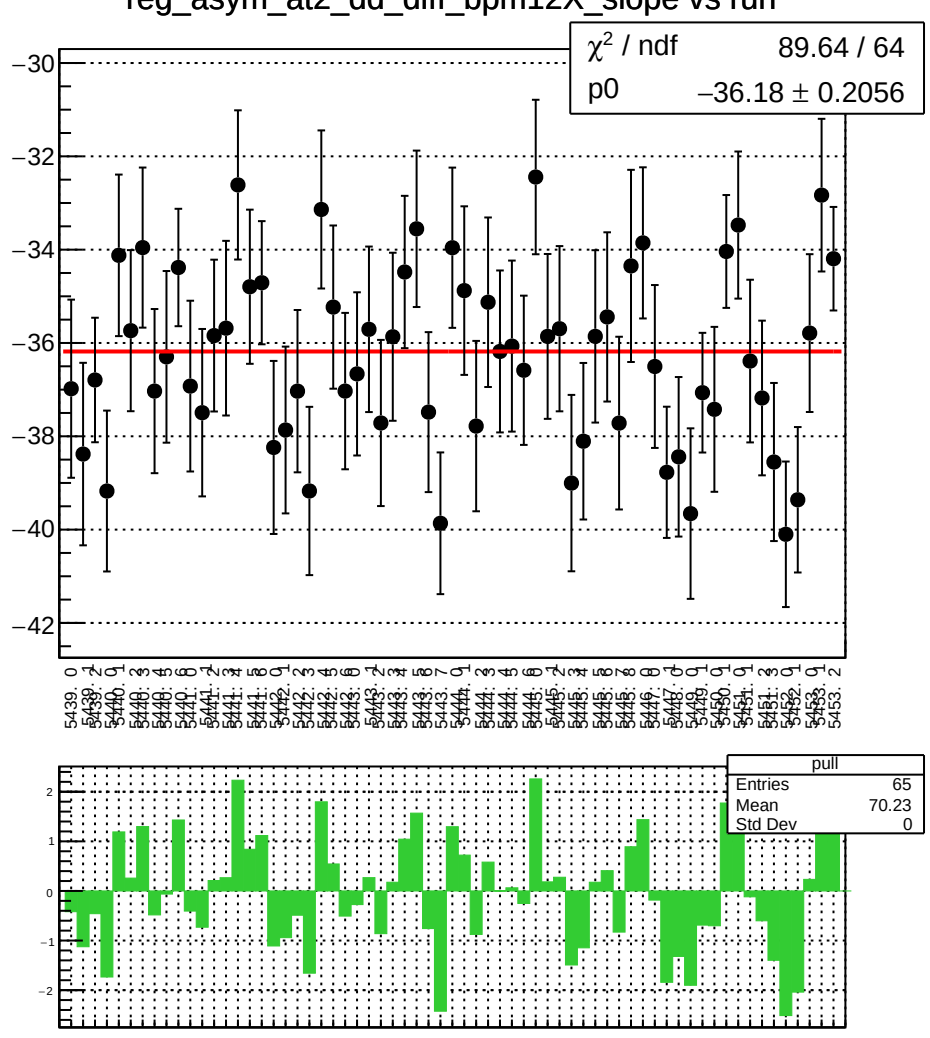

pull1D
Entries 65
Mean 0.0923
Std Dev 1.251
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

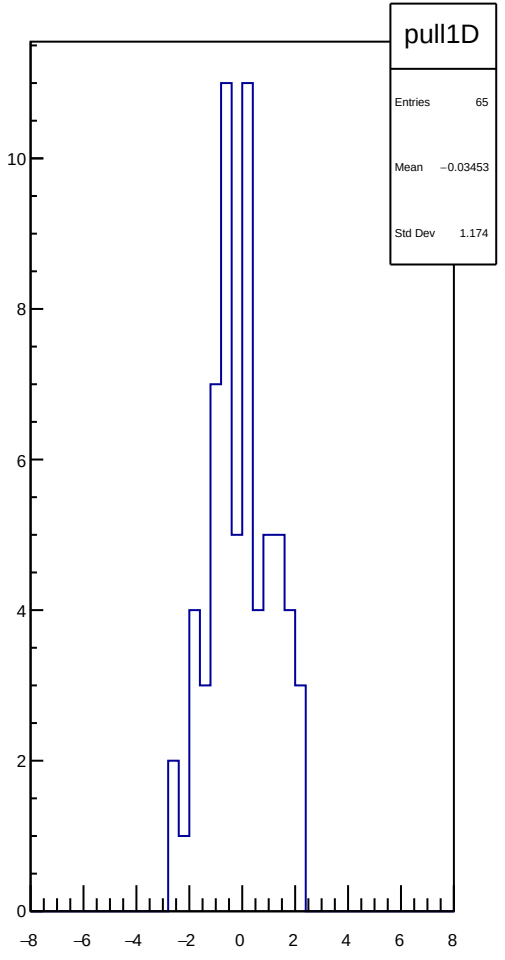

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.14 / 64
p0 166.9 ± 3.449
pull
Entries 65
Mean −69.11
Std Dev 0

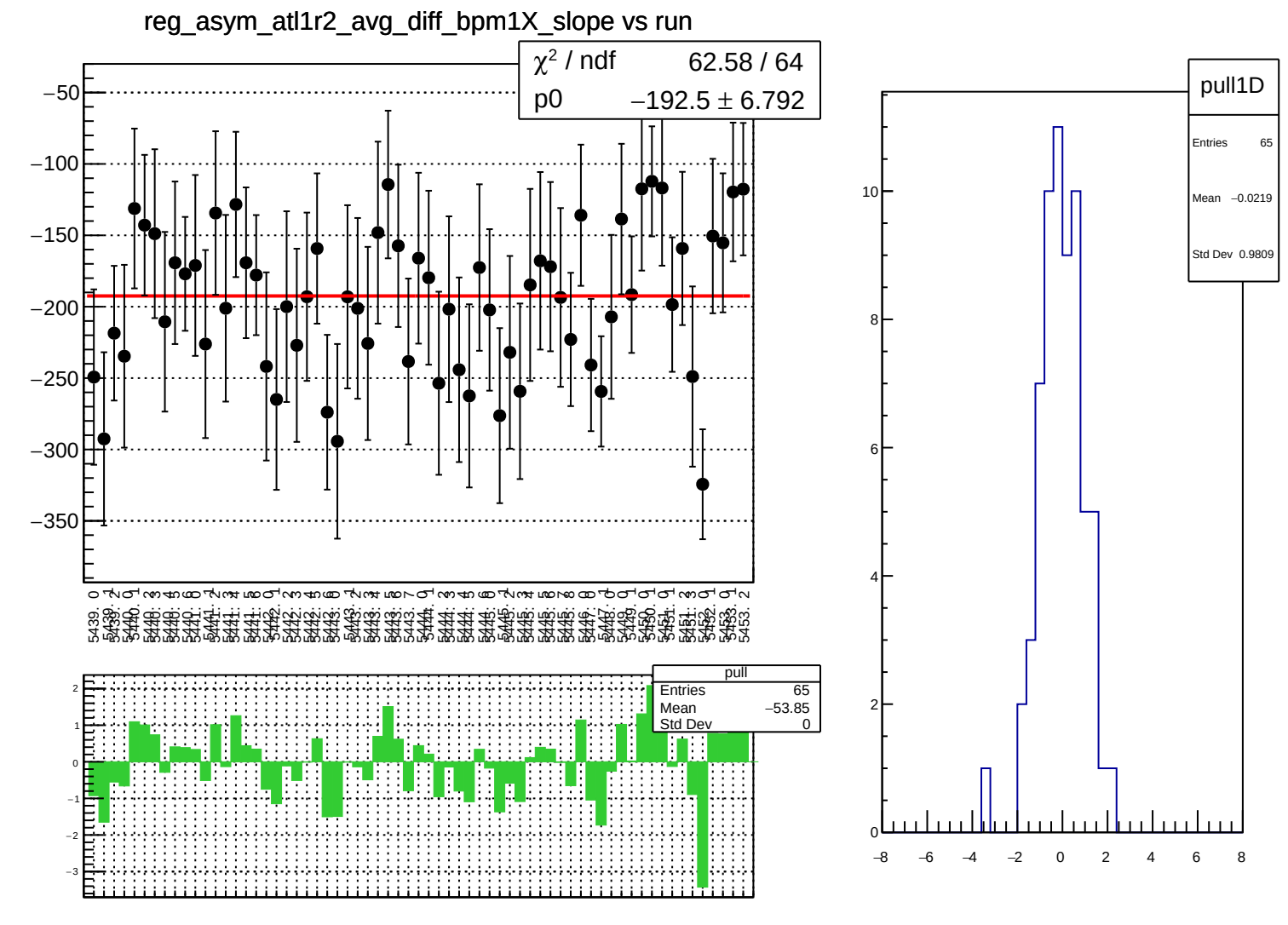

pull1D
Entries 65
Mean 0.05177
Std Dev 1.17

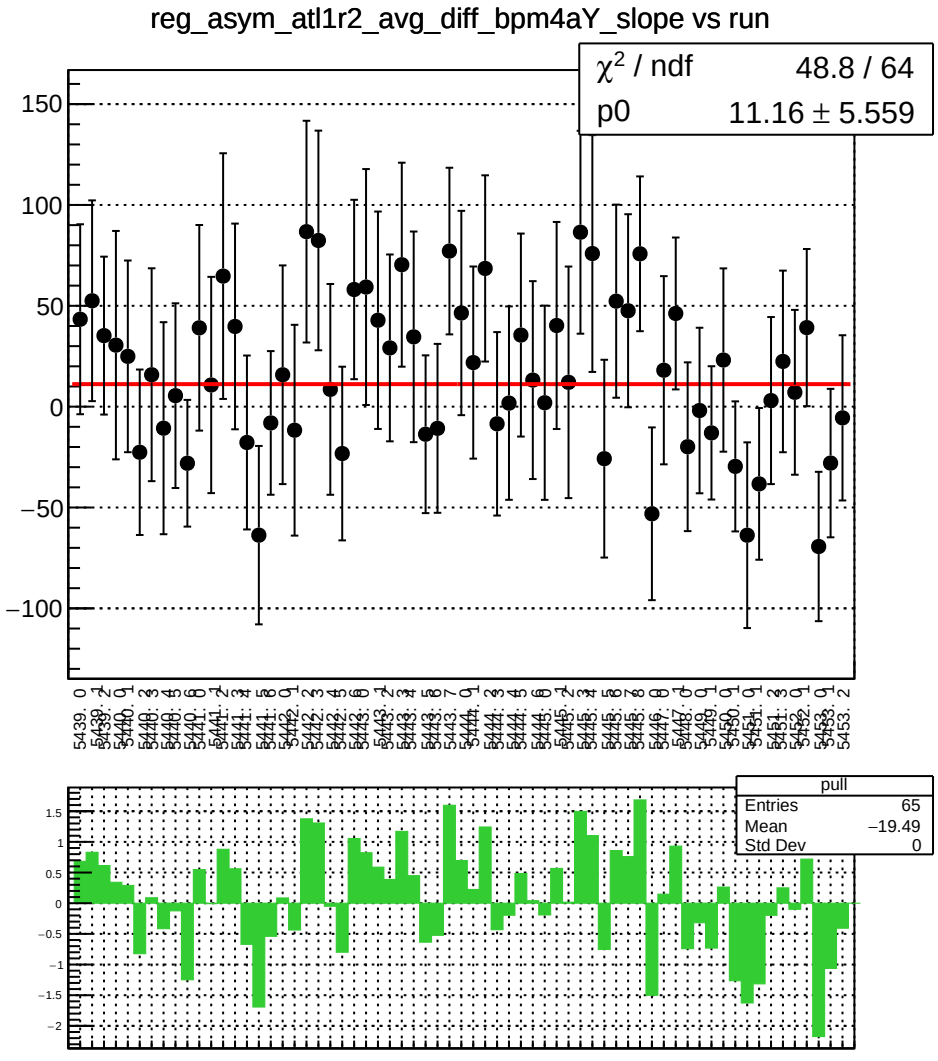

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 102.5 / 64
p0 52.8 ± 4.594
pull
Entries 65
Mean −6.489
Std Dev 0

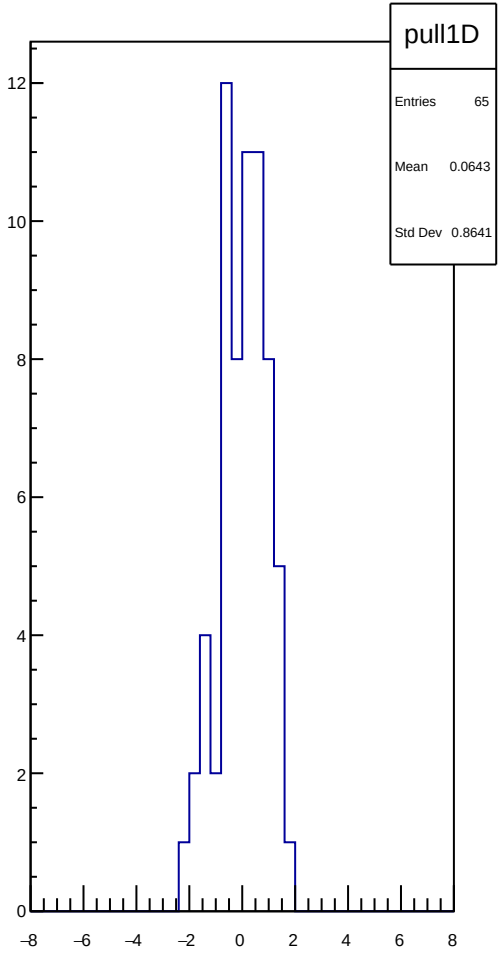

pull1D
Entries 65
Mean −0.1012
Std Dev 1.251

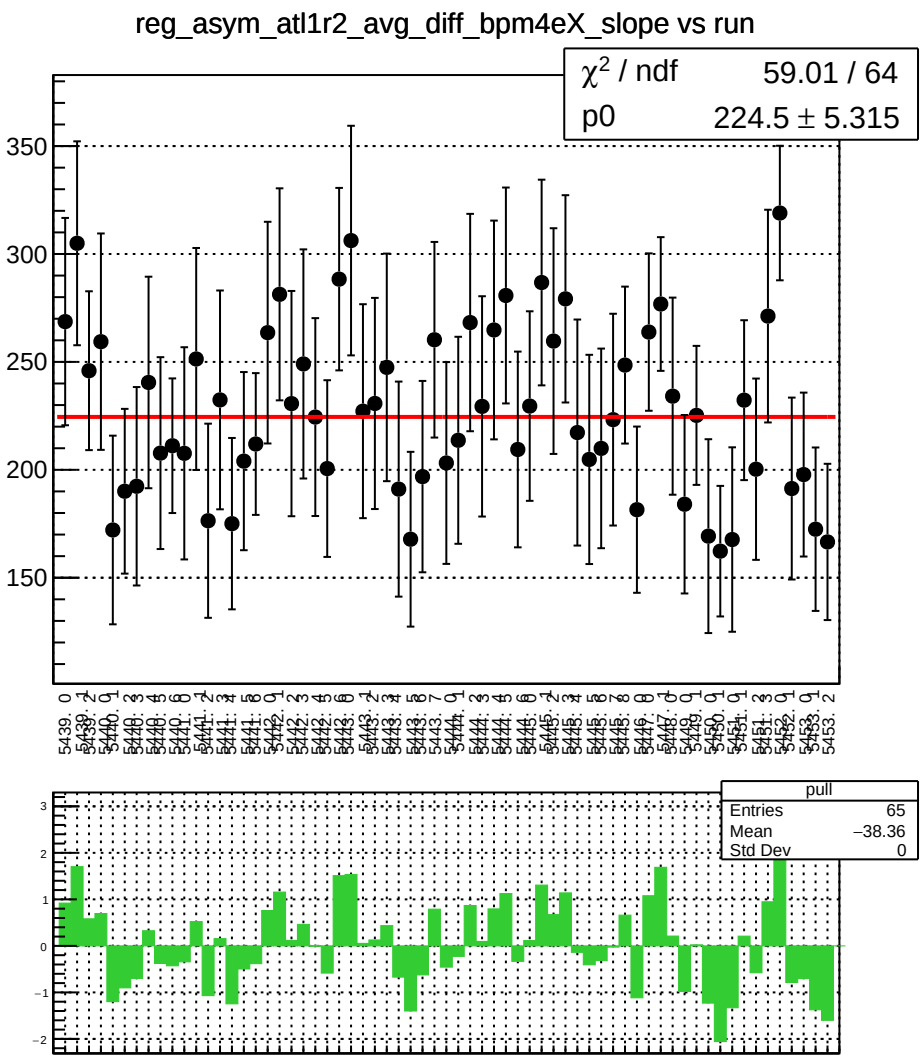

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 89.64 / 64
p0 −36.18 ± 0.2056
pull
Entries 65
Mean 70.23
Std Dev 0

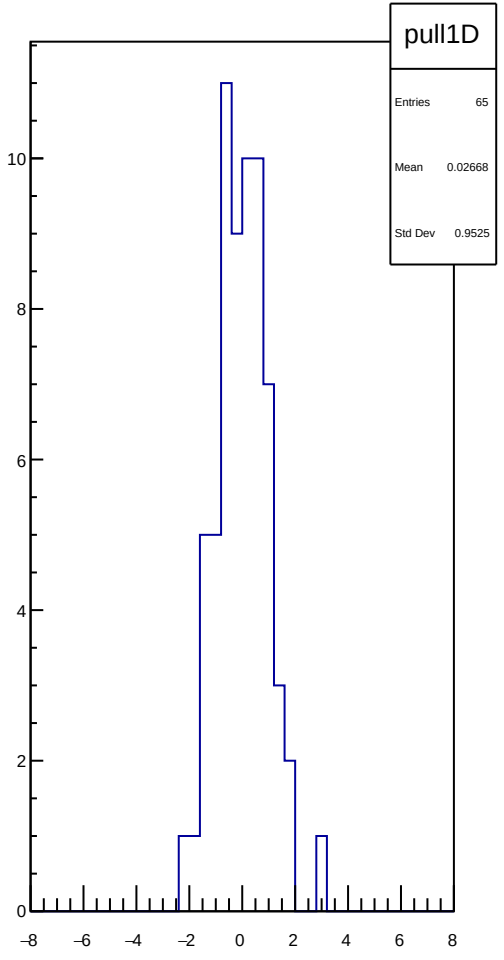

pull1D
Entries 65
Mean −0.03453
Std Dev 1.174

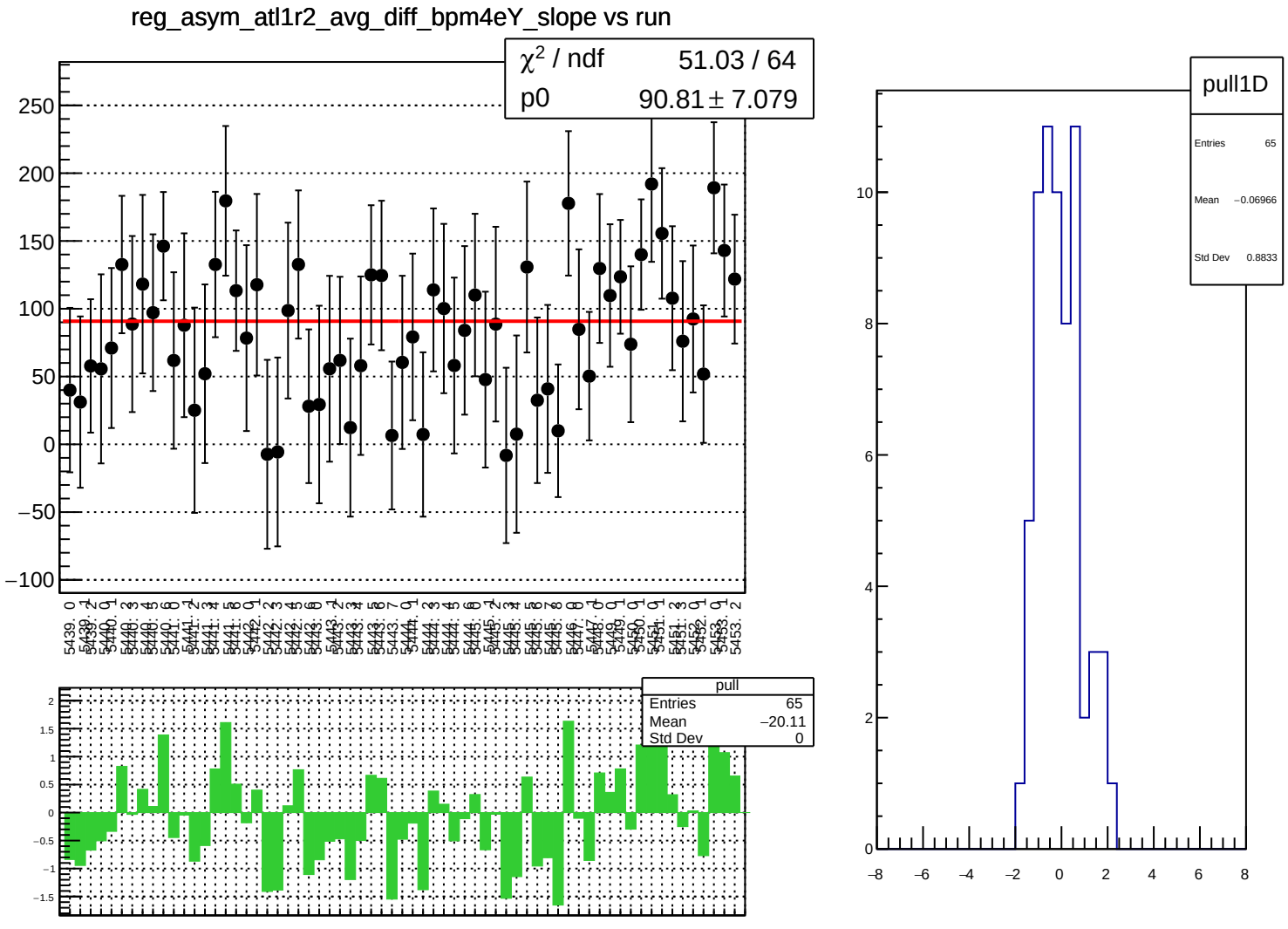

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 62.58 / 64
p0 −192.5 ± 6.792
pull
Entries 65
Mean −53.85
Std Dev 0
pull1D
Entries 65
Mean −0.0219
Std Dev 0.9809

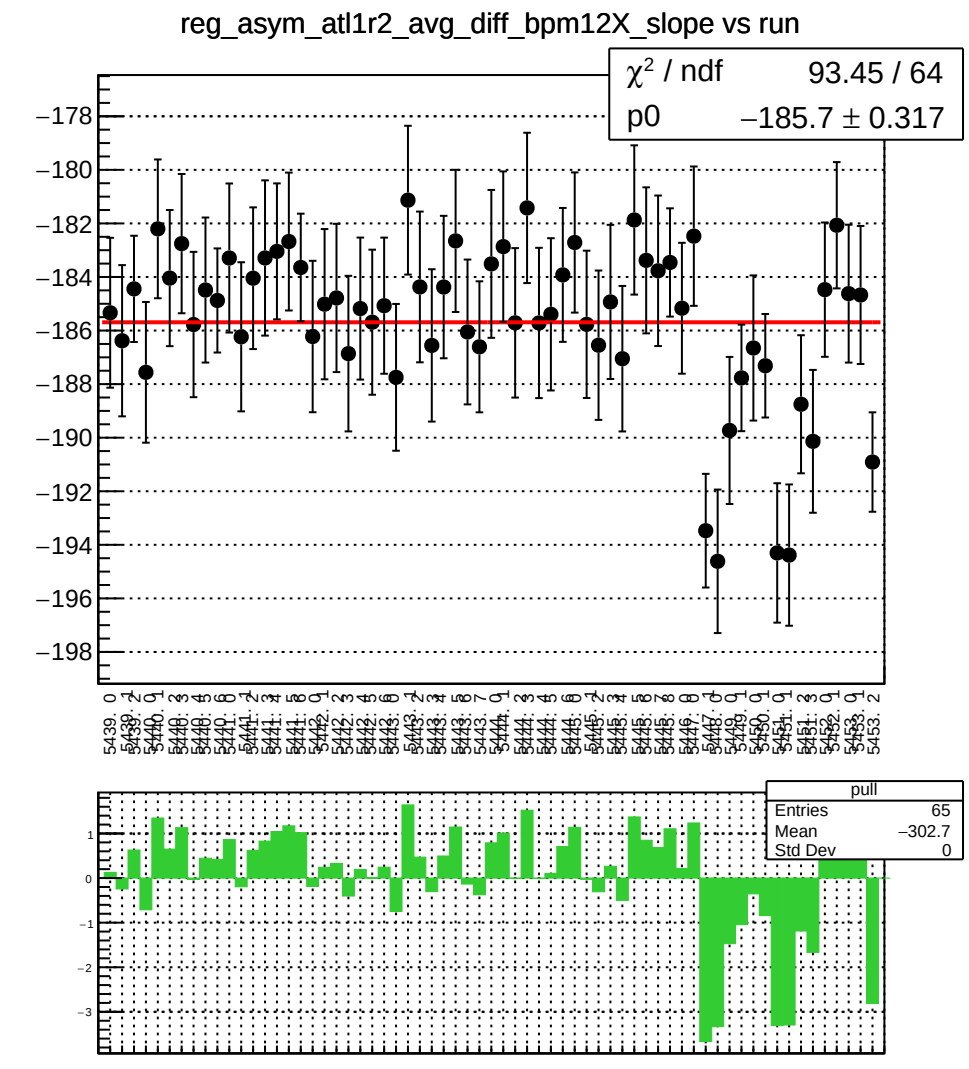

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.8 / 64
p0 11.16 ± 5.559
150
100
50
0
−50
−100
pull
Entries 65
Mean −19.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

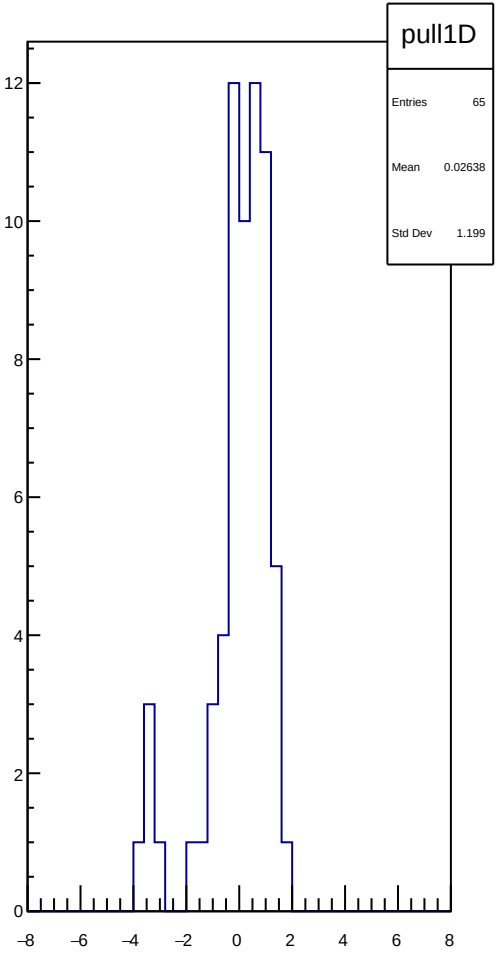

pull1D
Entries 65
Mean 0.0643
Std Dev 0.8641
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

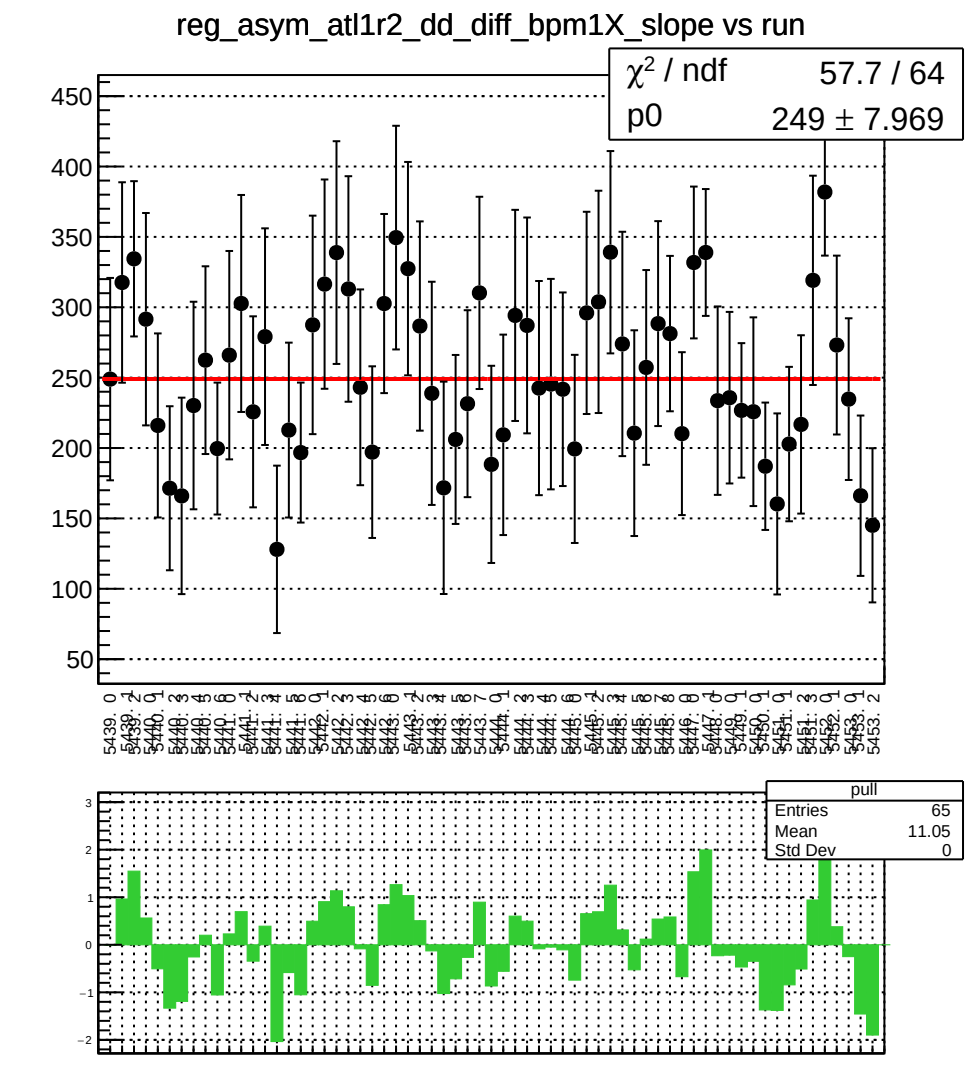

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.01 / 64
p0 224.5 ± 5.315
350
300
250
200
150
pull
Entries 65
Mean −38.36
Std Dev 0
3
2
1
0
−1
−2

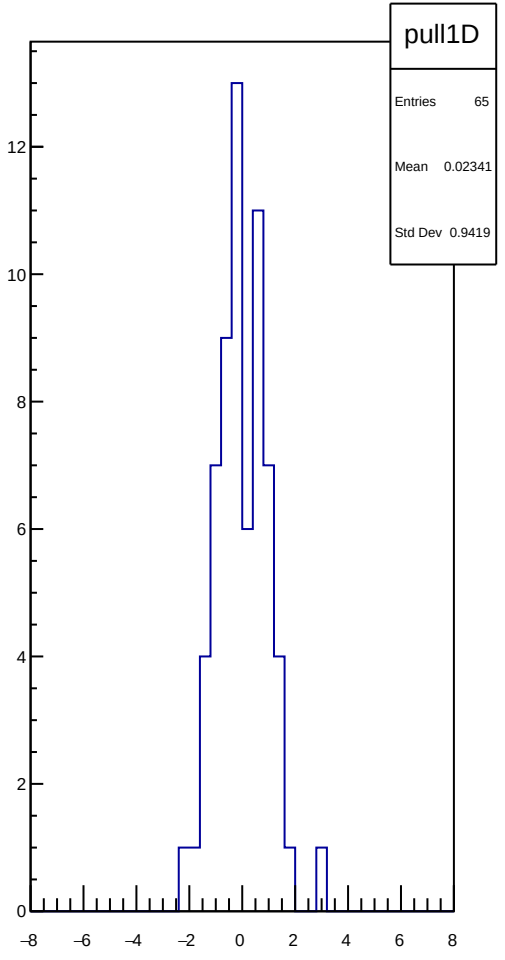

pull1D
Entries 65
Mean 0.02668
Std Dev 0.9525
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

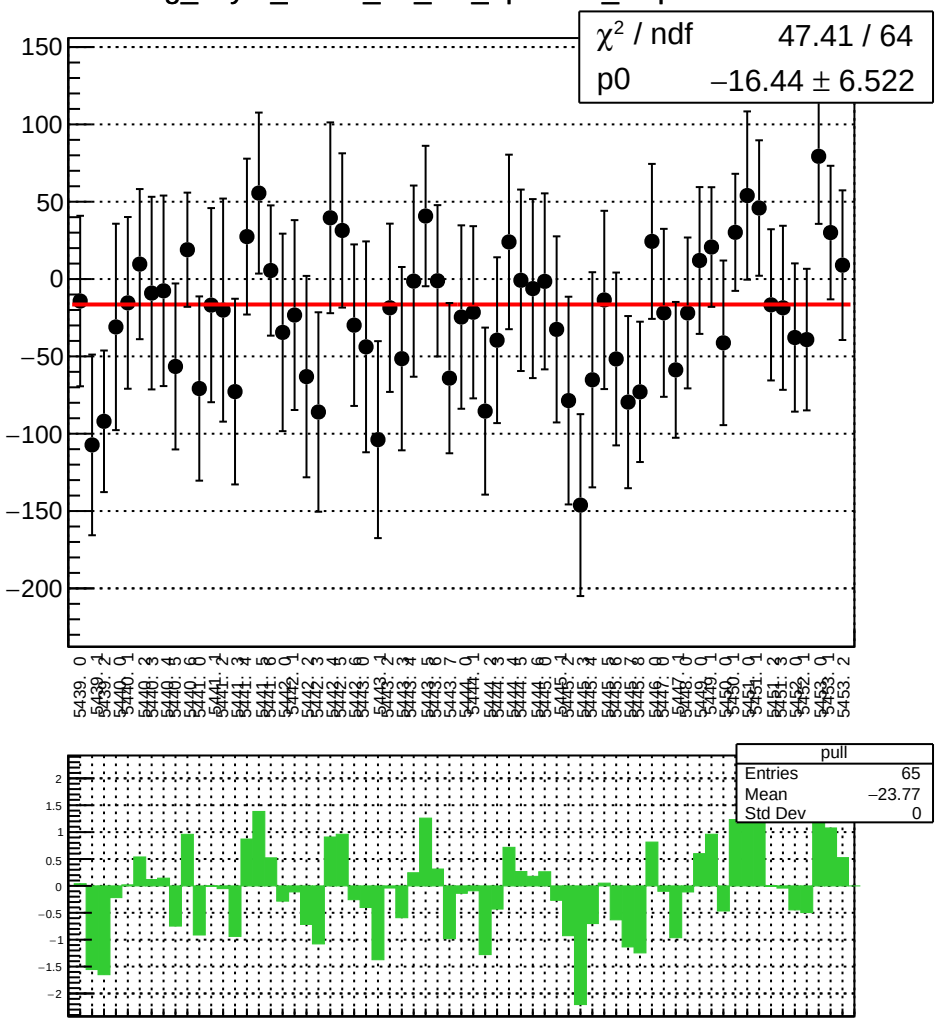

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.03 / 64
p0 90.81 ± 7.079
pull
Entries 65
Mean −20.11
Std Dev 0
pull1D
Entries 65
Mean −0.06966
Std Dev 0.8833

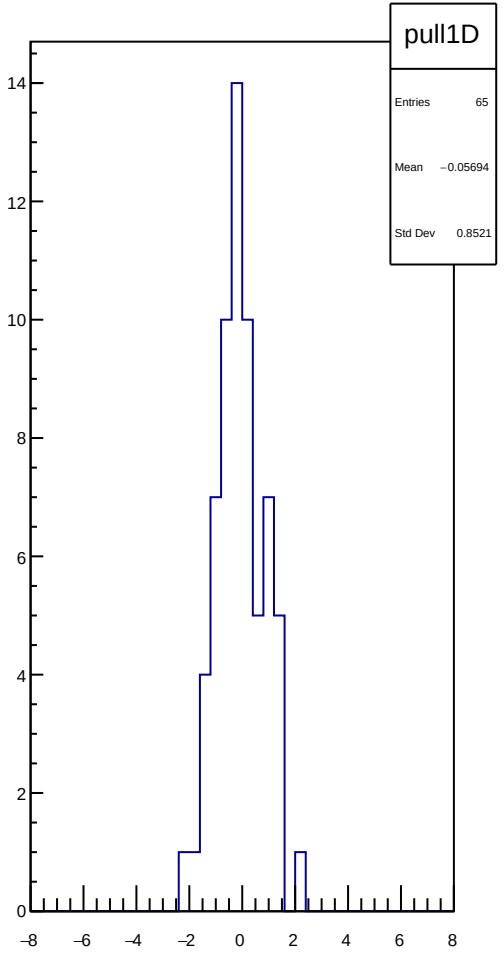

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 93.45 / 64
p0 −185.7 ± 0.317
pull
Entries 65
Mean −302.7
Std Dev 0

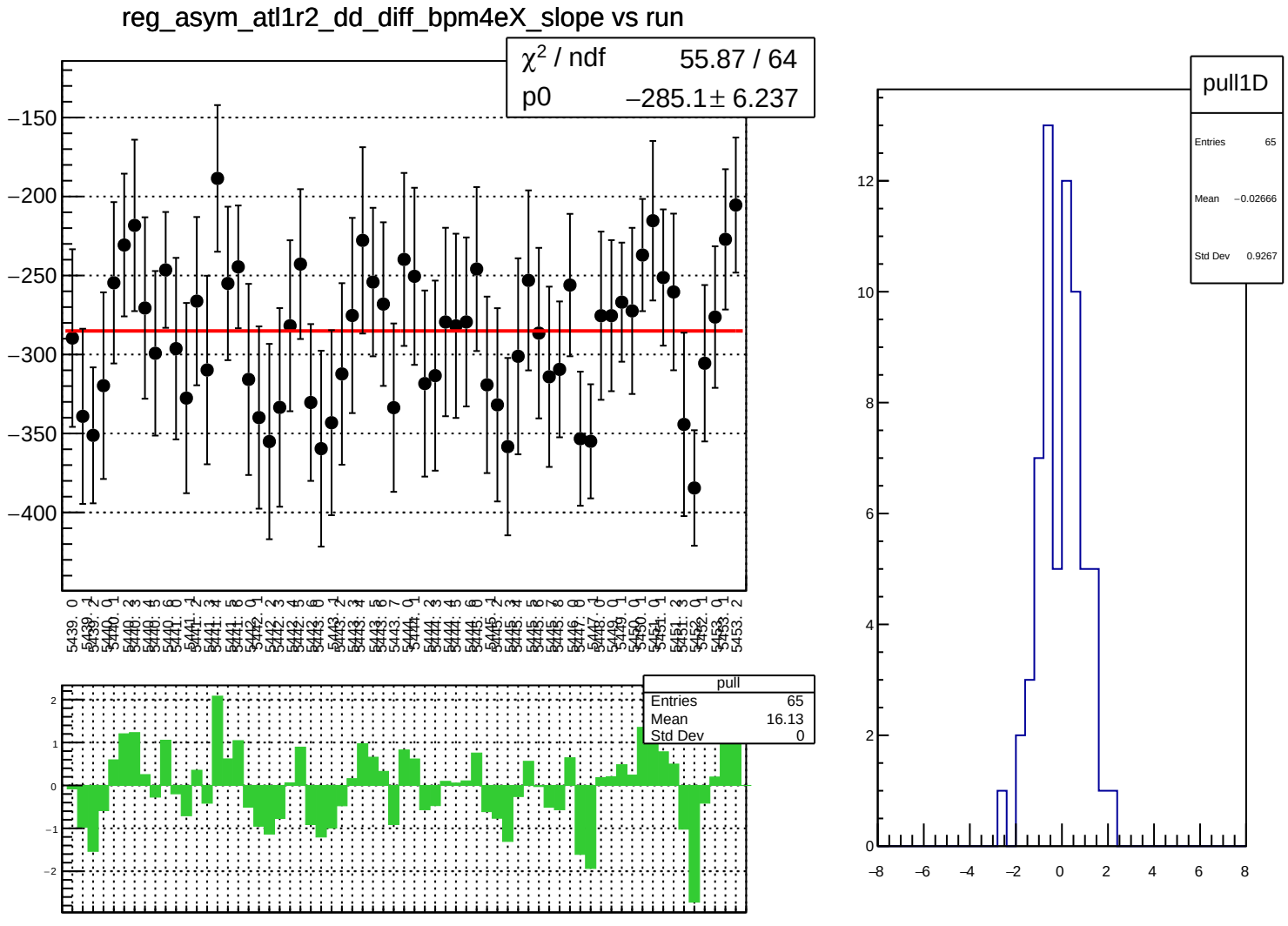

pull1D
Entries 65
Mean 0.02638
Std Dev 1.199

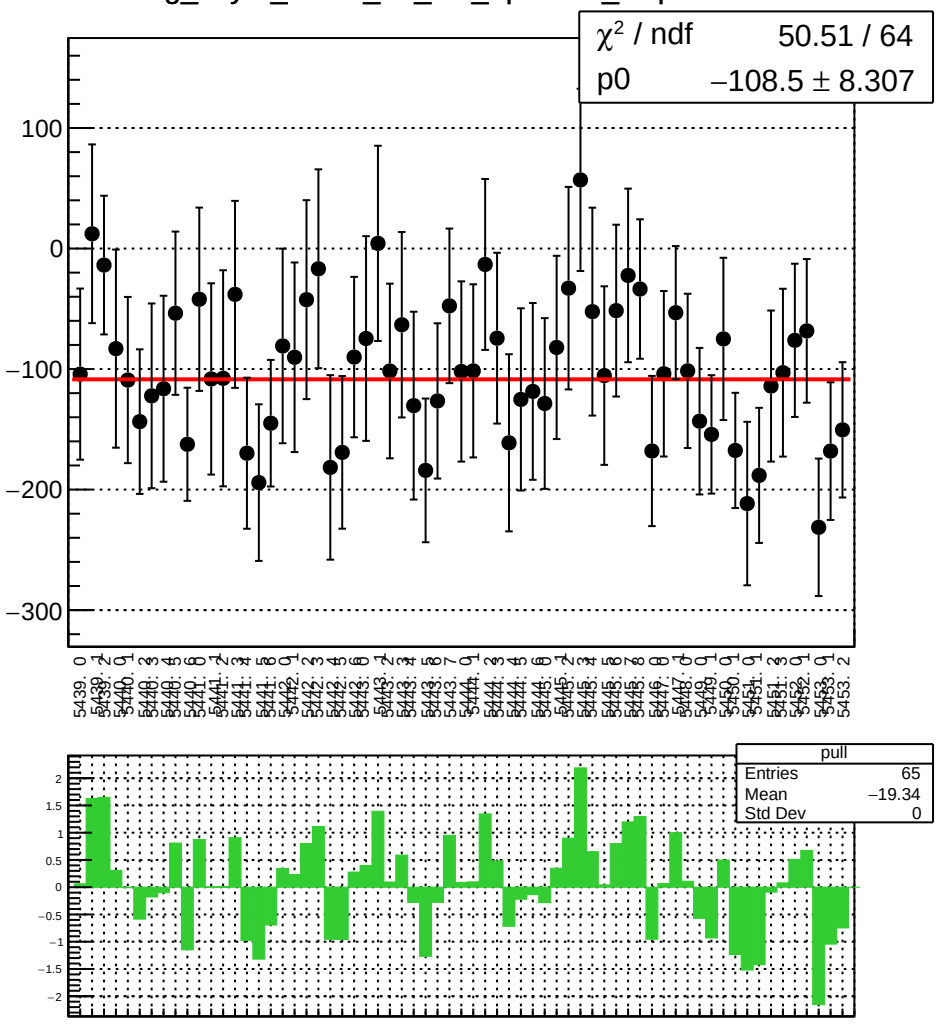

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 57.7 / 64
p0 249 ± 7.969
pull
Entries 65
Mean 11.05
Std Dev 0

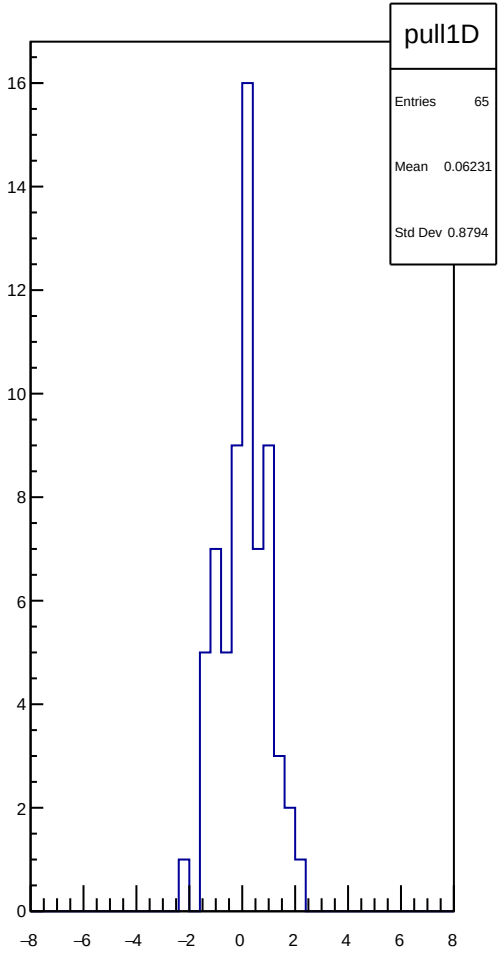

pull1D
Entries 65
Mean 0.02341
Std Dev 0.9419

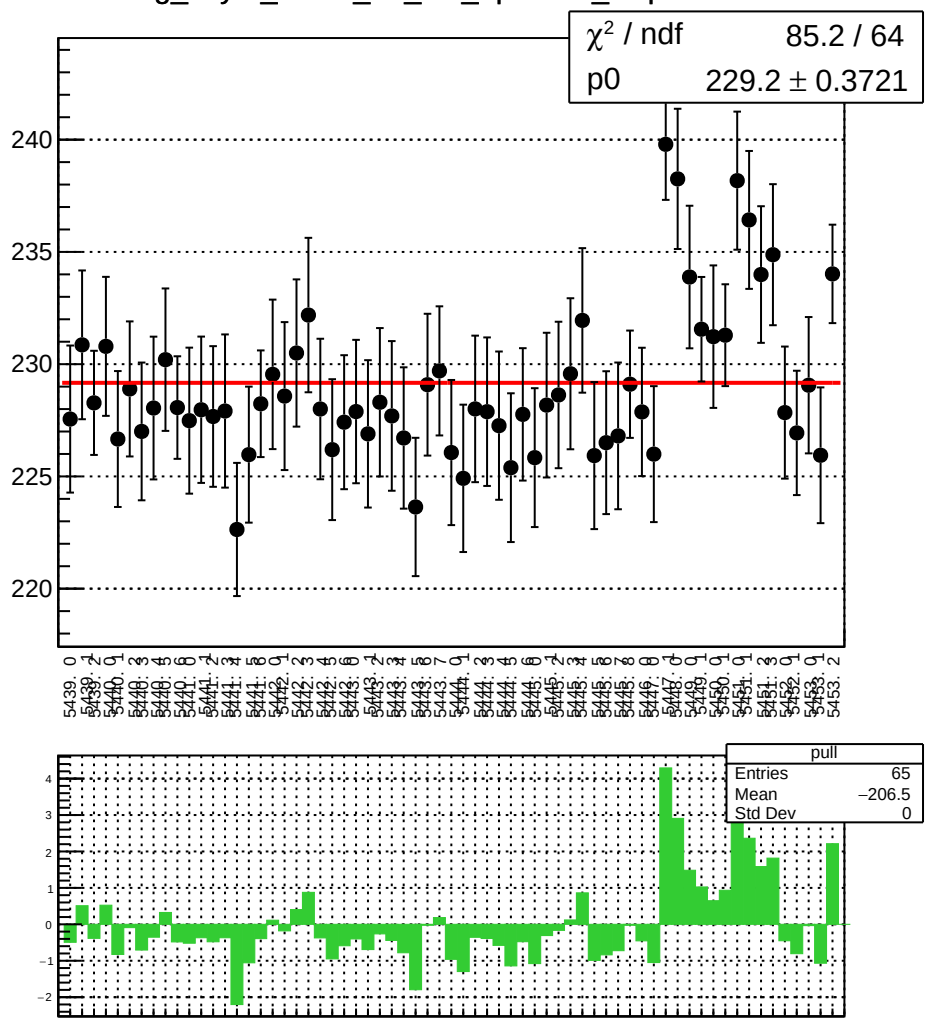

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.41 / 64
p0 −16.44 ± 6.522
pull
Entries 65
Mean −23.77
Std Dev 0

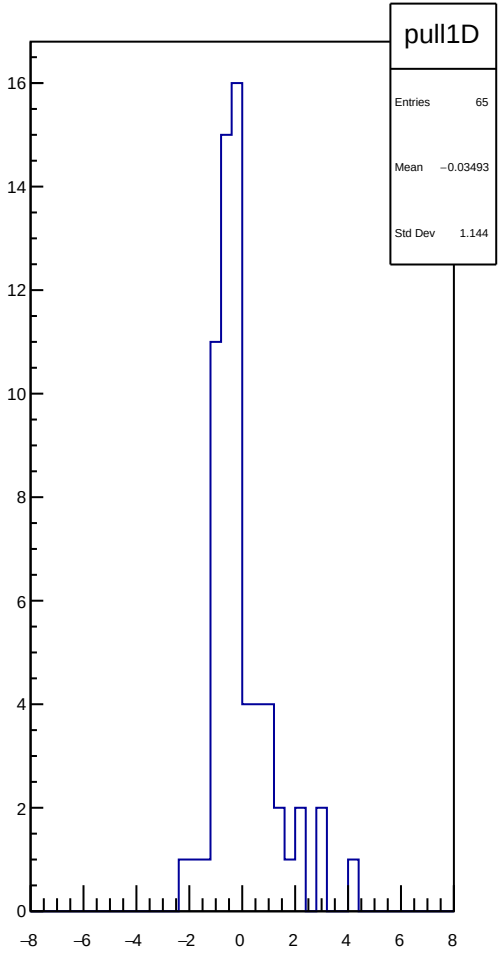

pull1D
Entries 65
Mean −0.05694
Std Dev 0.8521

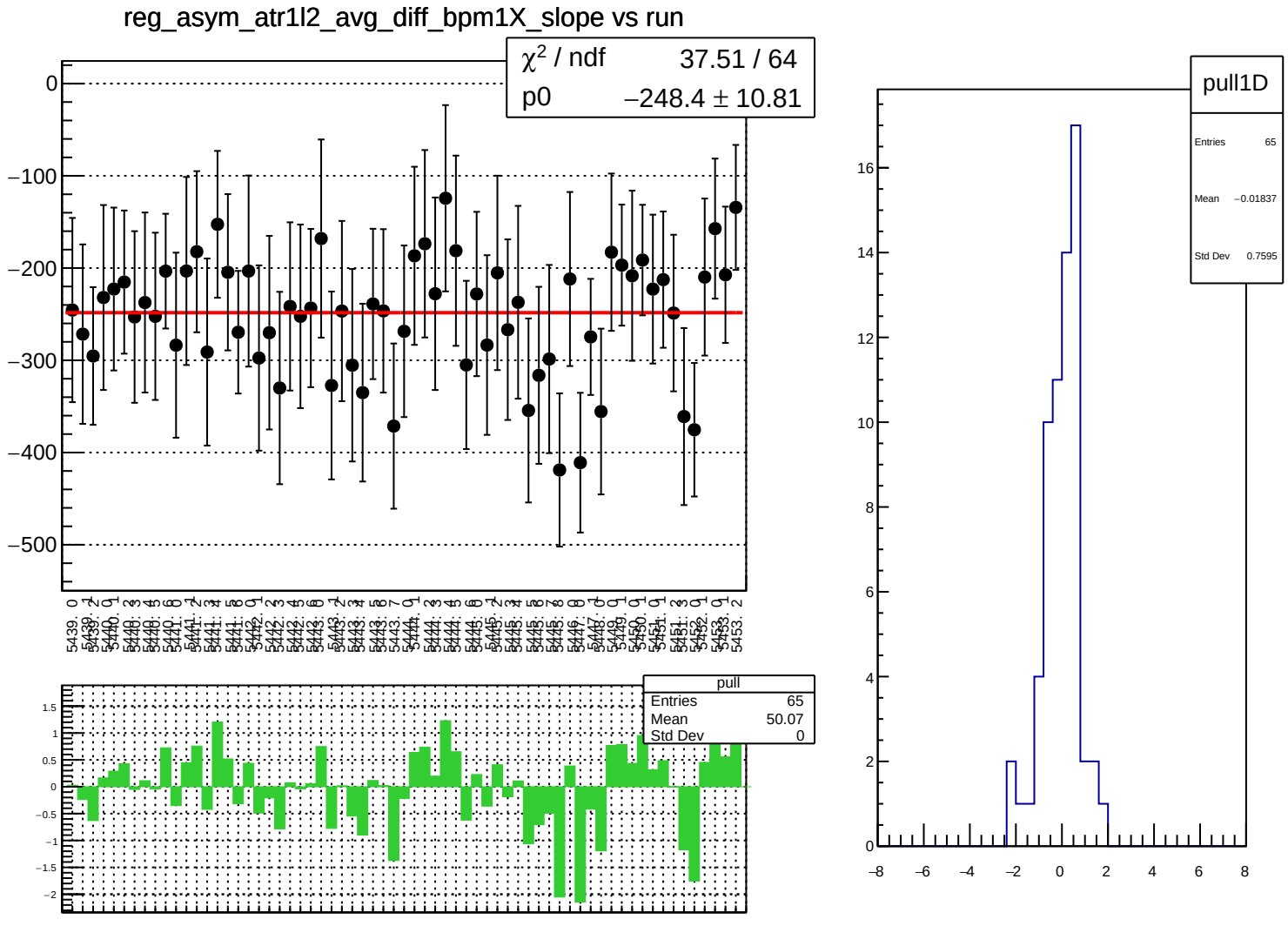

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.87 / 64
p0 −285.1± 6.237
−150
−200
−250
−300
−350
−400
pull
Entries 65
Mean 16.13
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 65
Mean −0.02666
Std Dev 0.9267
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

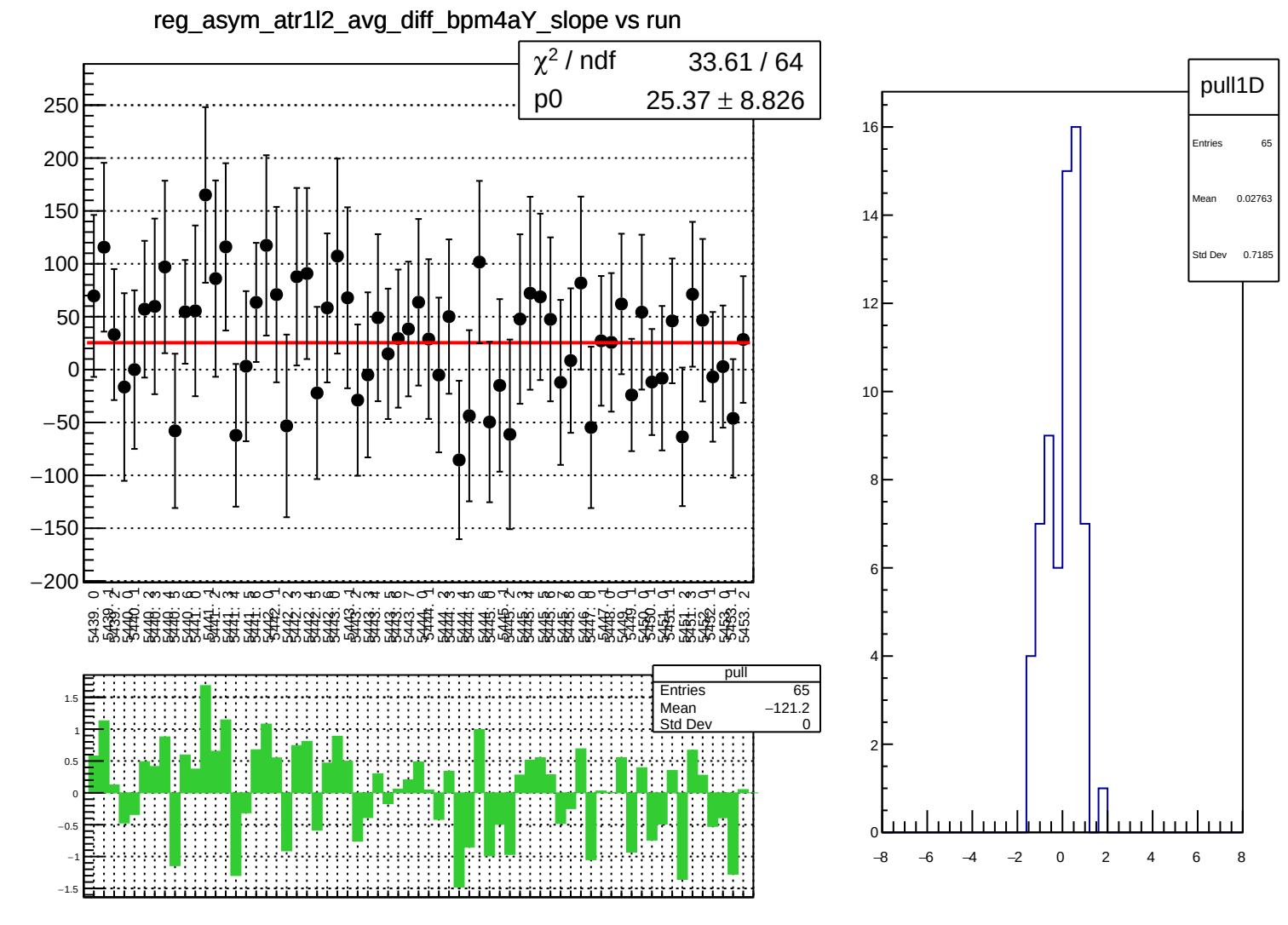

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.51 / 64
p0 −108.5 ± 8.307
pull
Entries 65
Mean −19.34
Std Dev 0

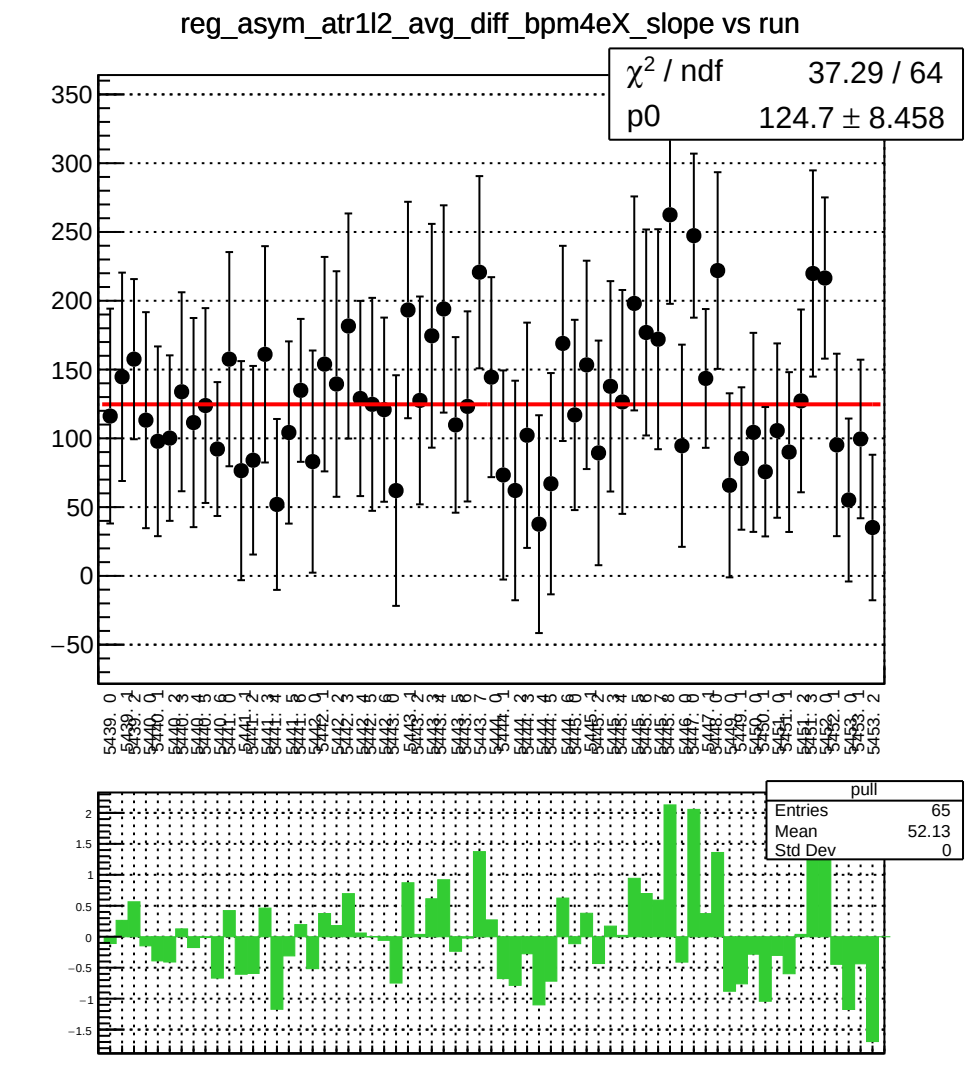

pull1D
Entries 65
Mean 0.06231
Std Dev 0.8794

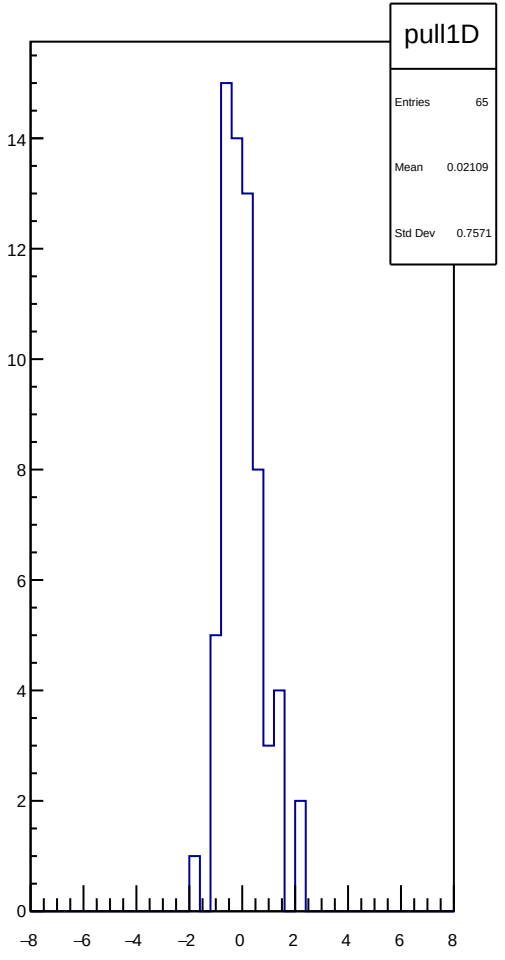

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 85.2 / 64
p0 229.2 ± 0.3721
240
235
230
225
220
pull
Entries 65
Mean −206.5
Std Dev 0
4
3
2
1
0
−1
−2

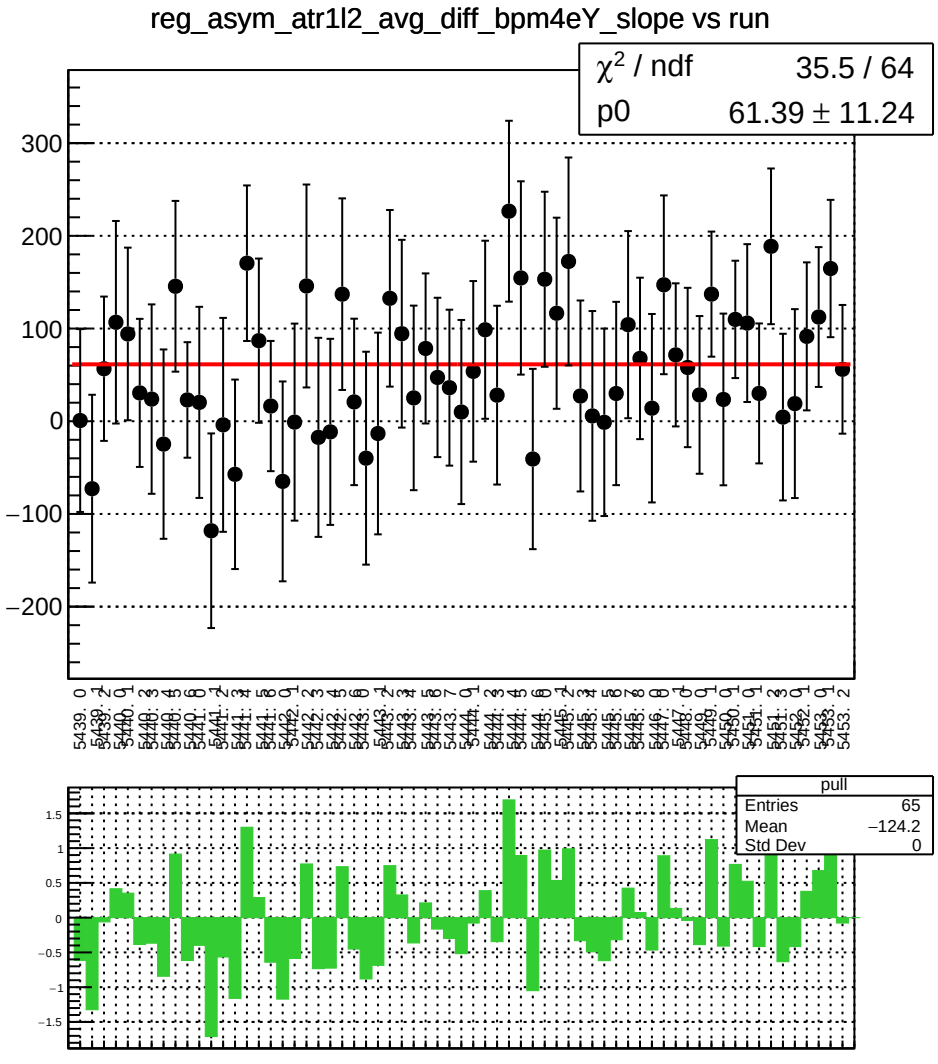

pull1D
Entries 65
Mean −0.03493
Std Dev 1.144
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

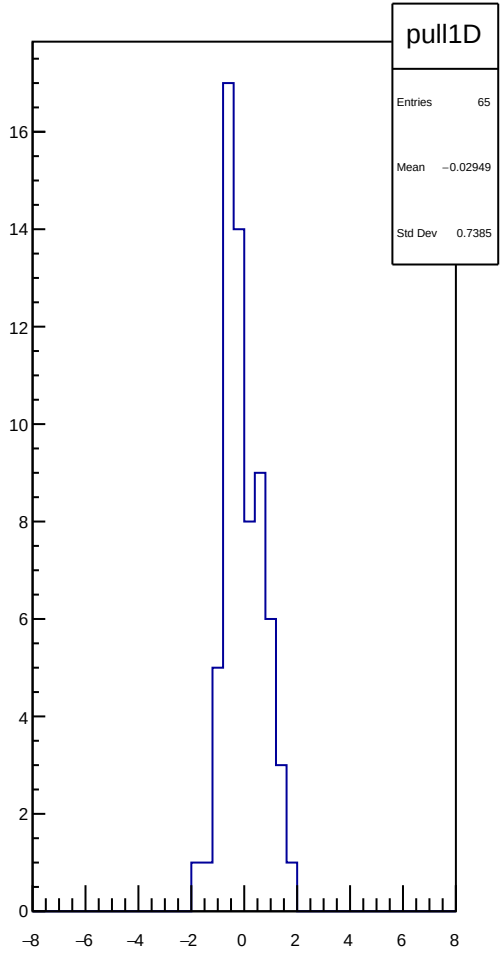

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.51 / 64
p0 −248.4 ± 10.81
pull
Entries 65
Mean 50.07
Std Dev 0
pull1D
Entries 65
Mean −0.01837
Std Dev 0.7595

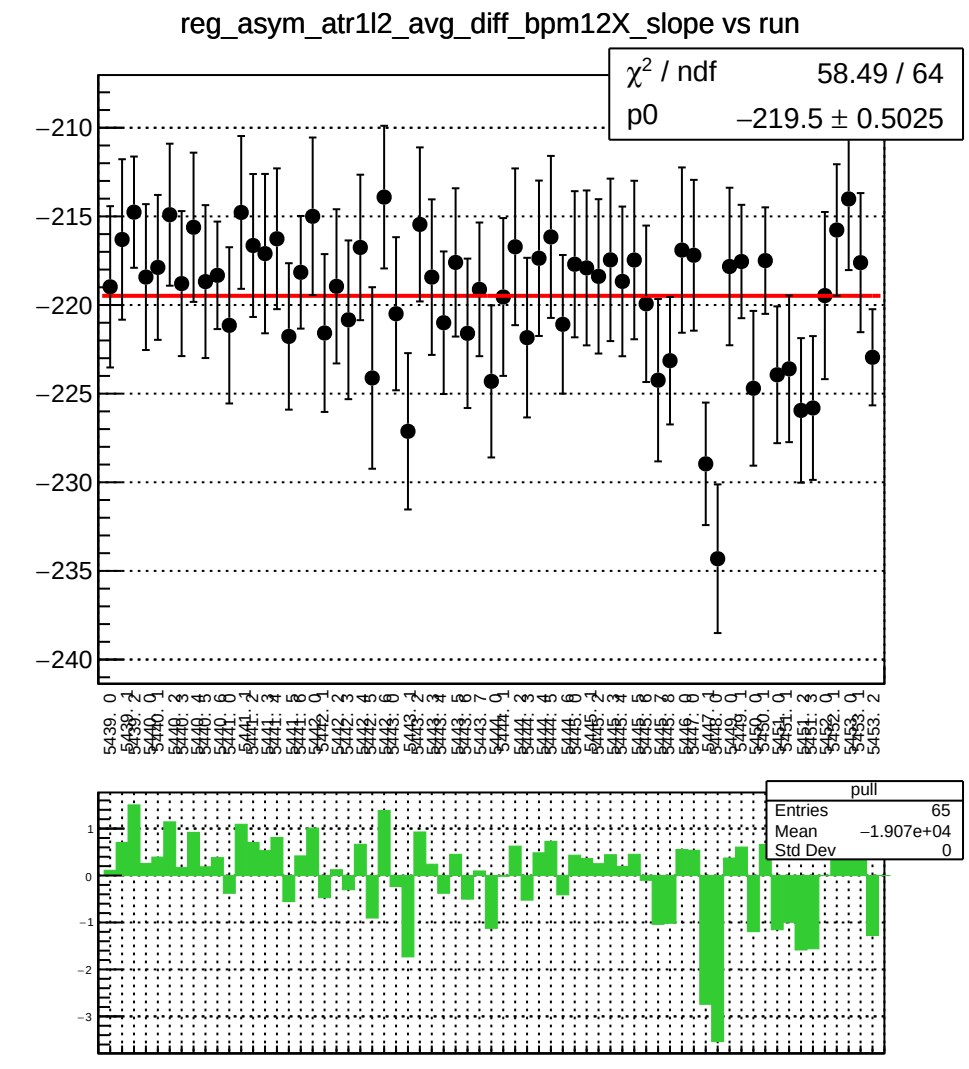

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.61 / 64
p0 25.37 ± 8.826
pull
Entries 65
Mean −121.2
Std Dev 0
pull1D
Entries 65
Mean 0.02763
Std Dev 0.7185

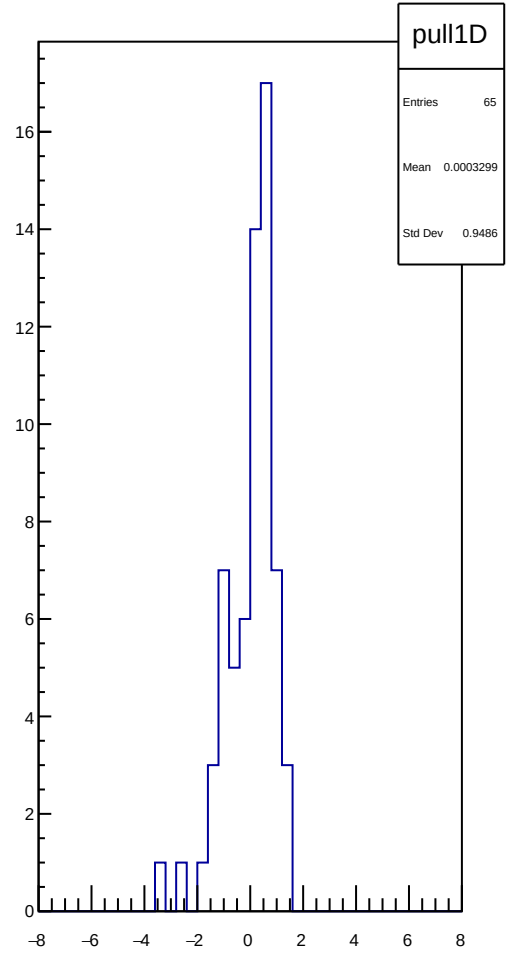

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.29 / 64
p0 124.7 ± 8.458
pull
Entries 65
Mean 52.13
Std Dev 0

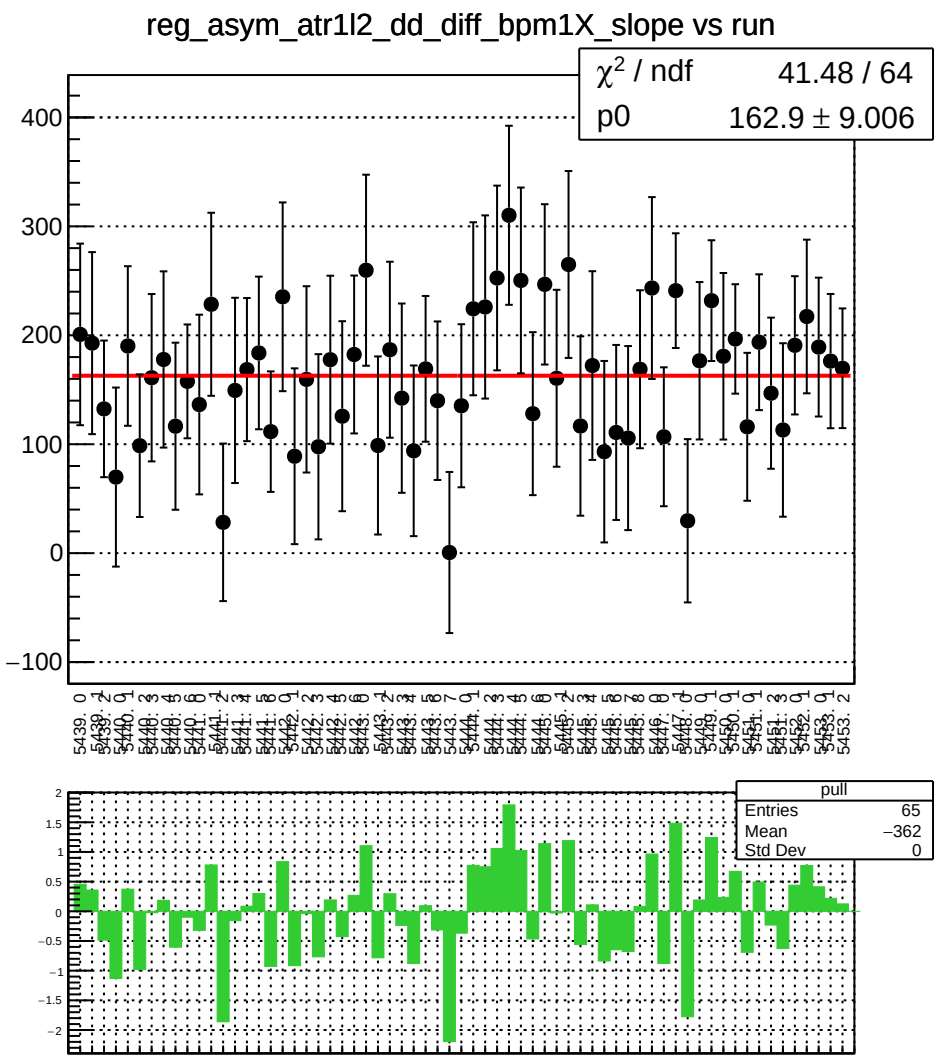

pull1D
Entries 65
Mean 0.02109
Std Dev 0.7571

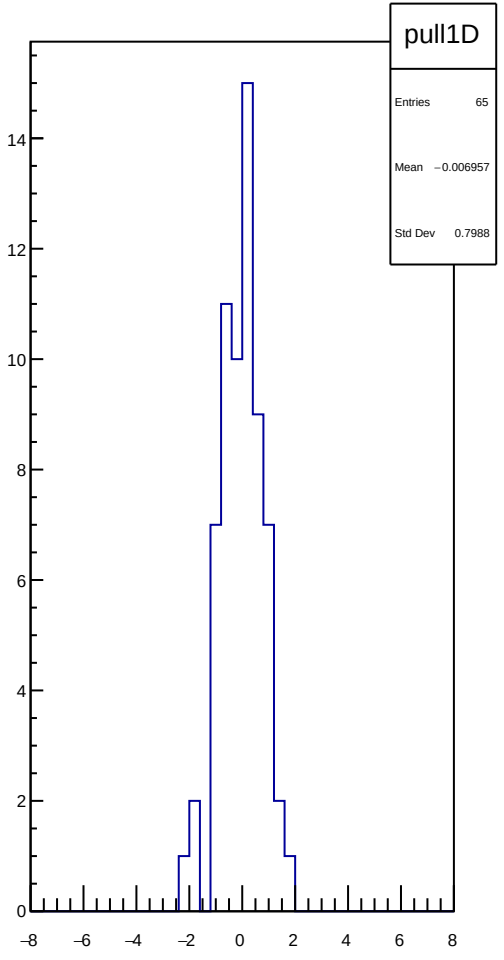

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.5 / 64
p0 61.39 ± 11.24
pull
Entries 65
Mean −124.2
Std Dev 0

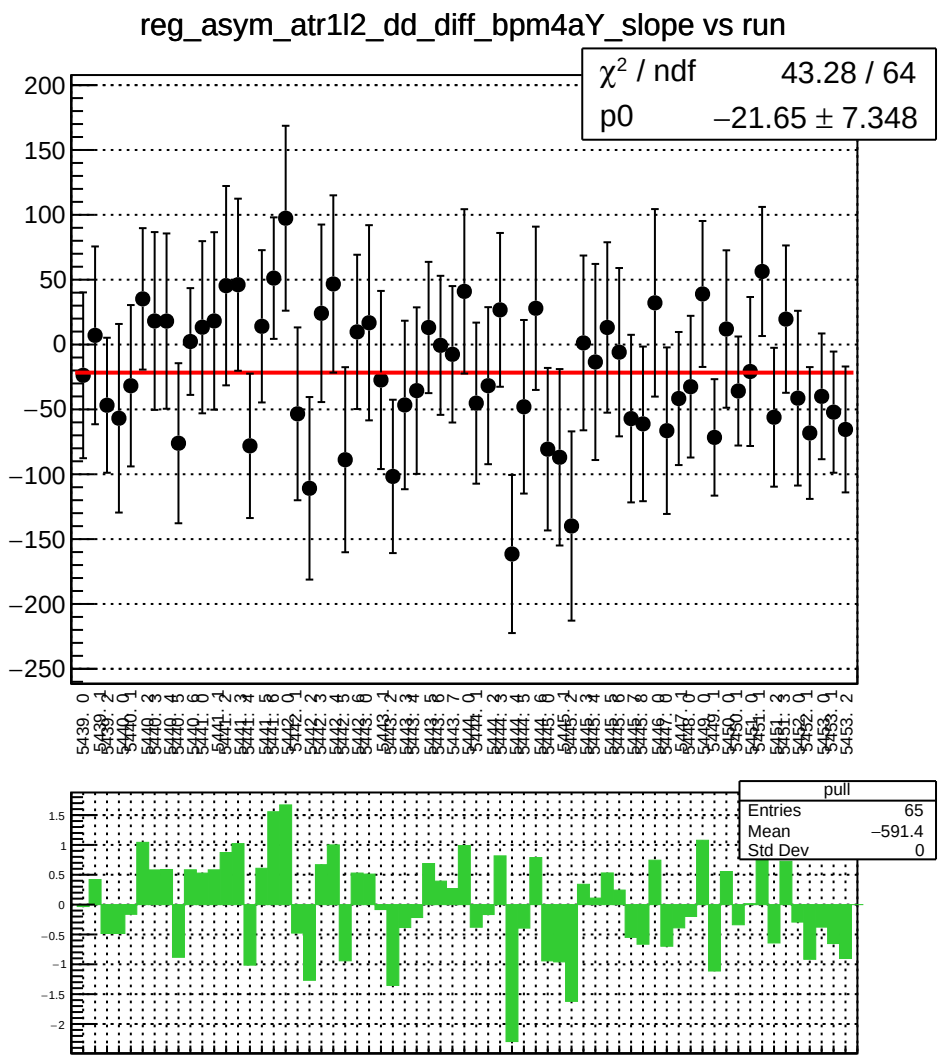

pull1D
Entries 65
Mean −0.02949
Std Dev 0.7385

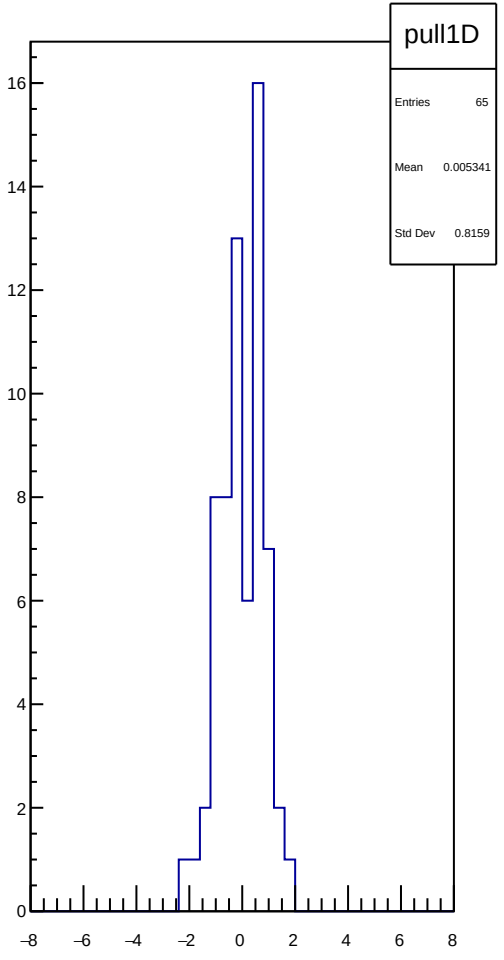

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 58.49 / 64
p0 −219.5 ± 0.5025
−210
−215
−220
−225
−230
−235
−240
pull
Entries 65
Mean −1.907e+04
Std Dev 0

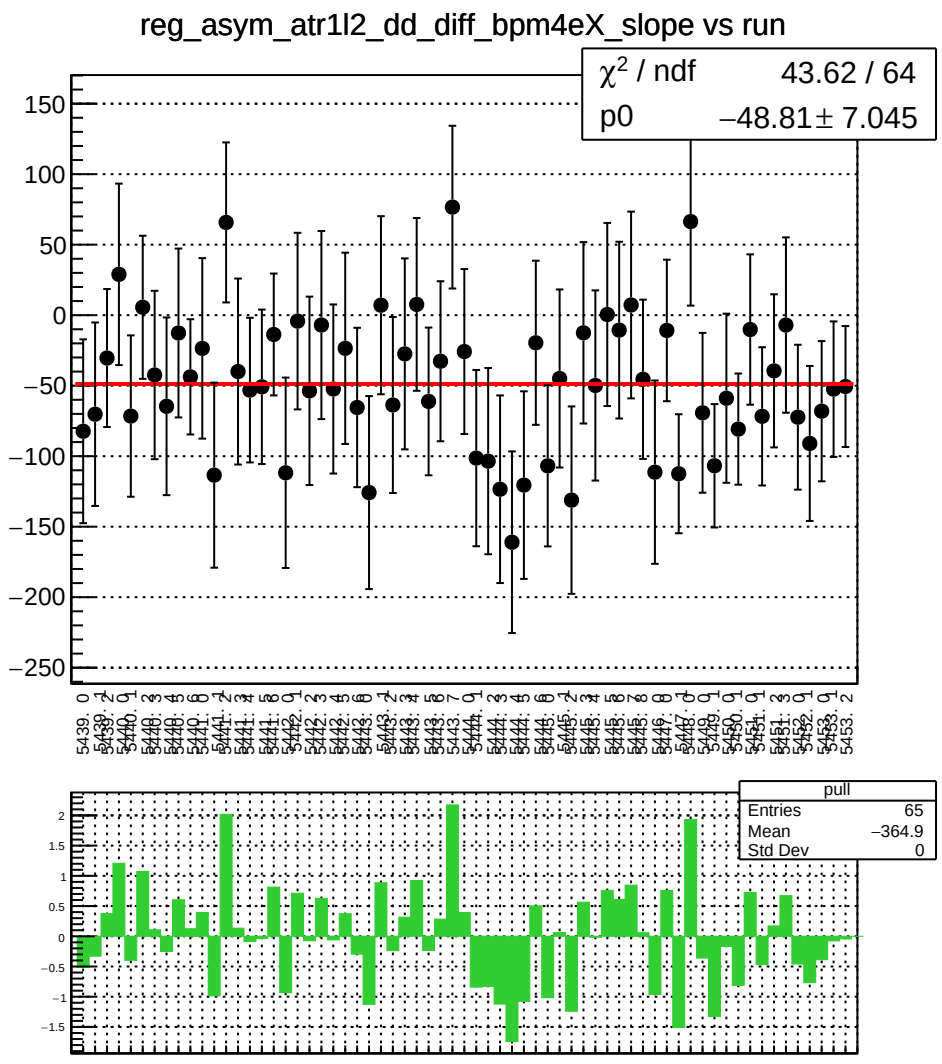

pull1D
Entries 65
Mean 0.0003299
Std Dev 0.9486
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

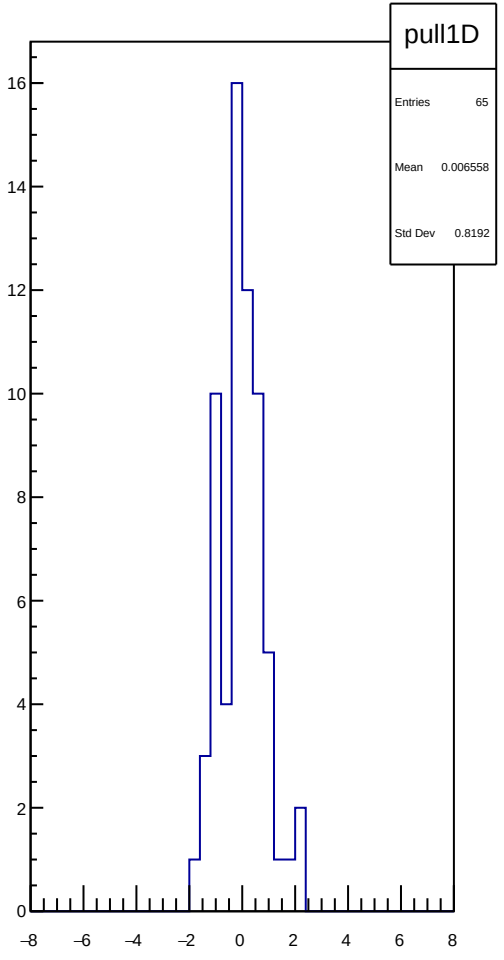

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 41.48 / 64
p0 162.9 ± 9.006
pull
Entries 65
Mean −362
Std Dev 0

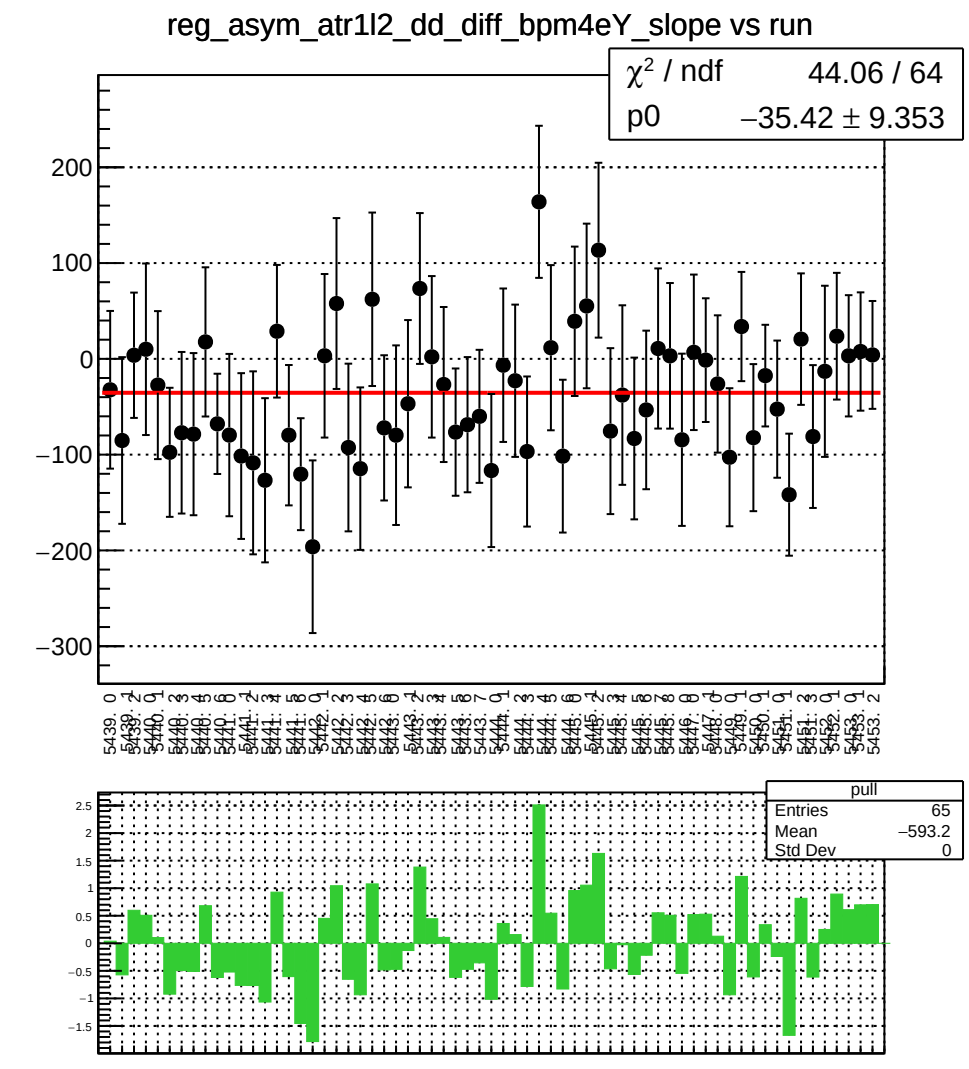

pull1D
Entries 65
Mean −0.006957
Std Dev 0.7988

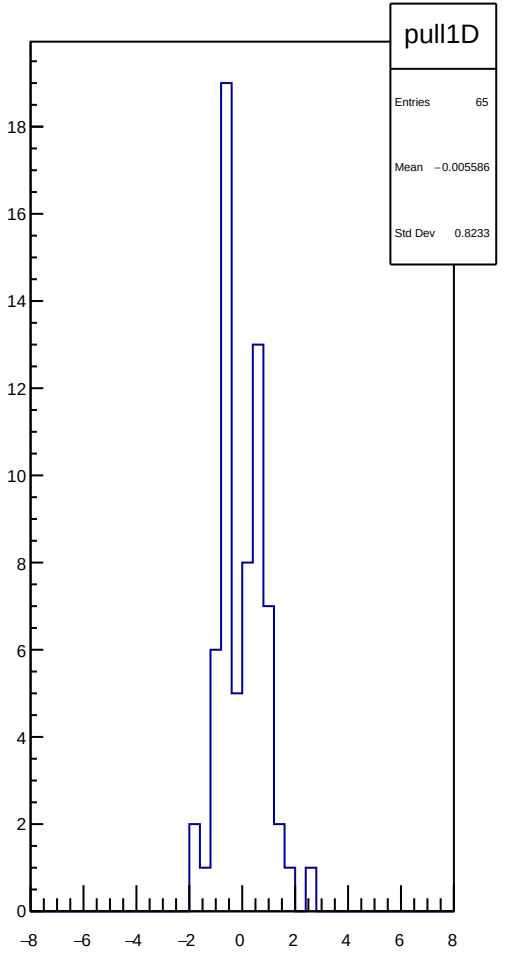

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.28 / 64
p0 −21.65 ± 7.348
pull
Entries 65
Mean −591.4
Std Dev 0

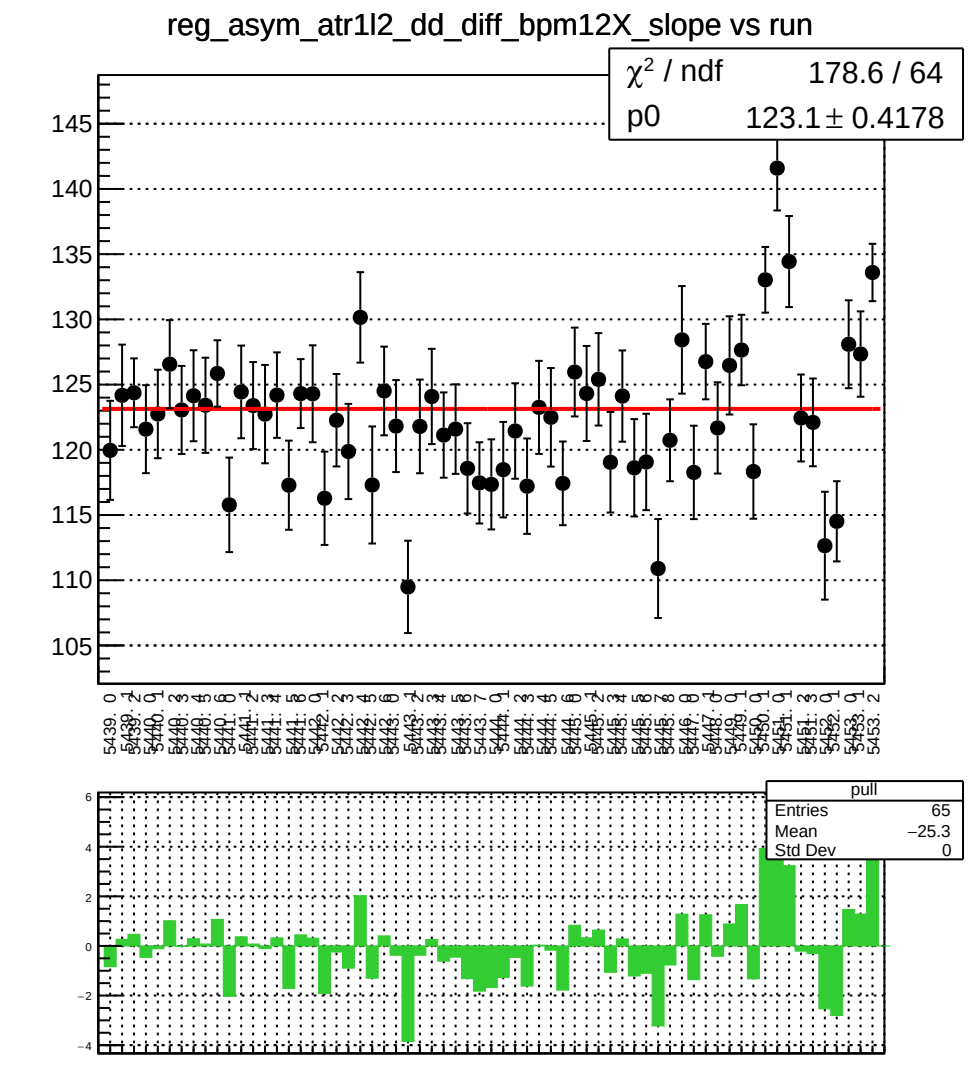

pull1D
Entries 65
Mean 0.005341
Std Dev 0.8159

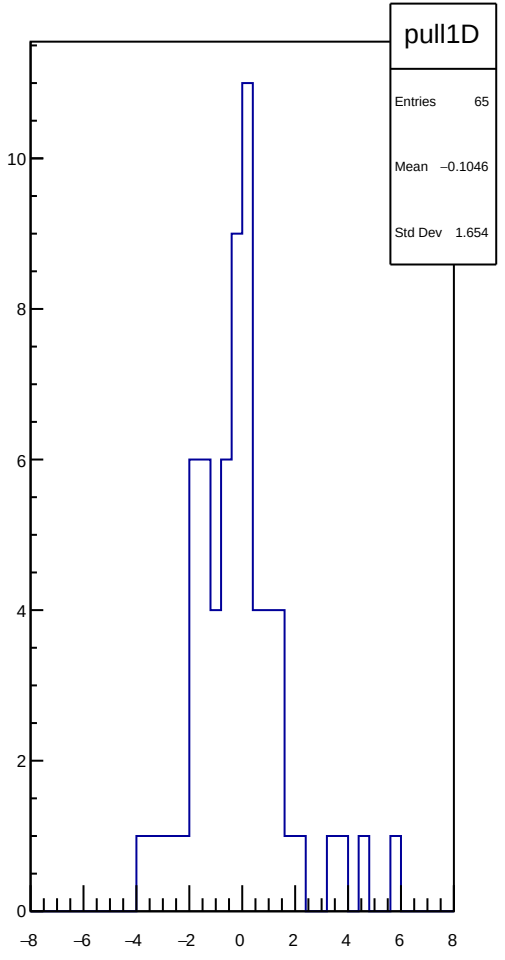

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.62 / 64
p0 −48.81 ± 7.045
pull
Entries 65
Mean −364.9
Std Dev 0

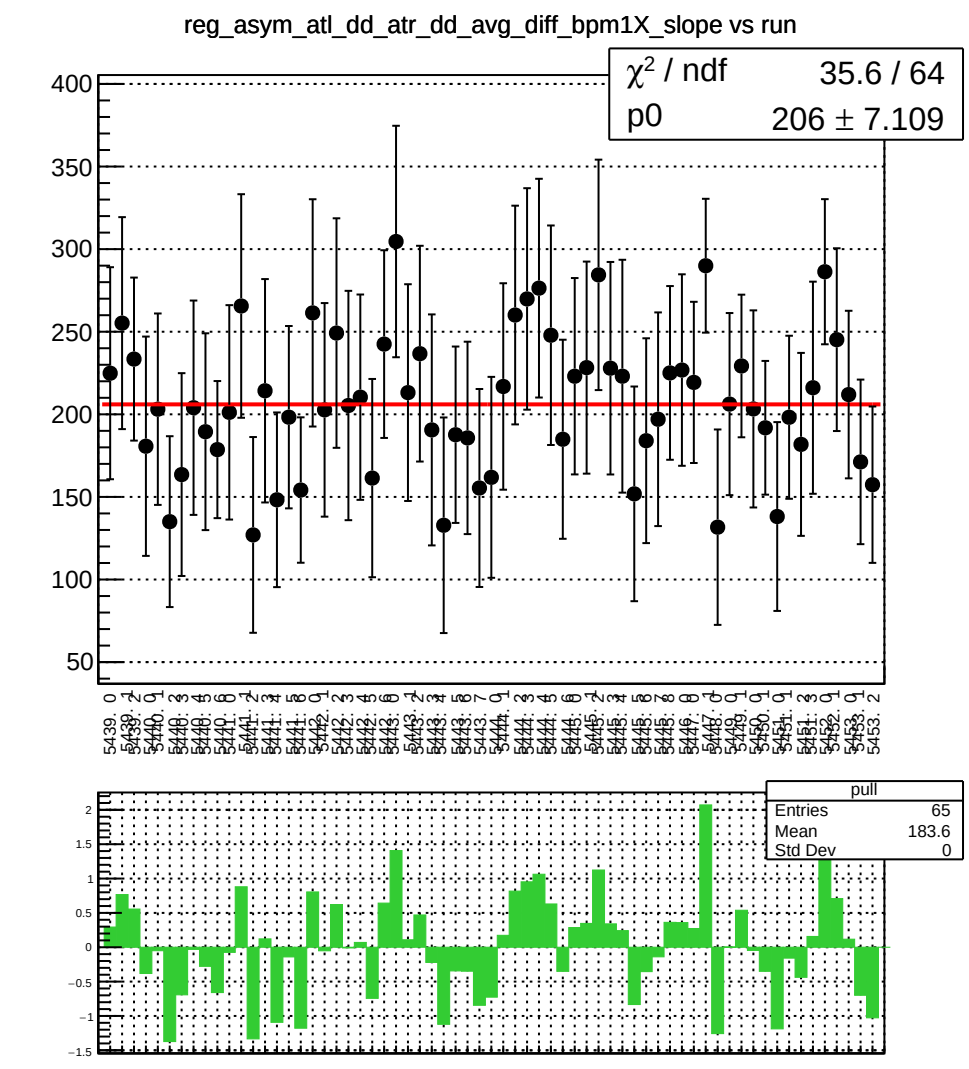

pull1D
Entries 65
Mean 0.006558
Std Dev 0.8192

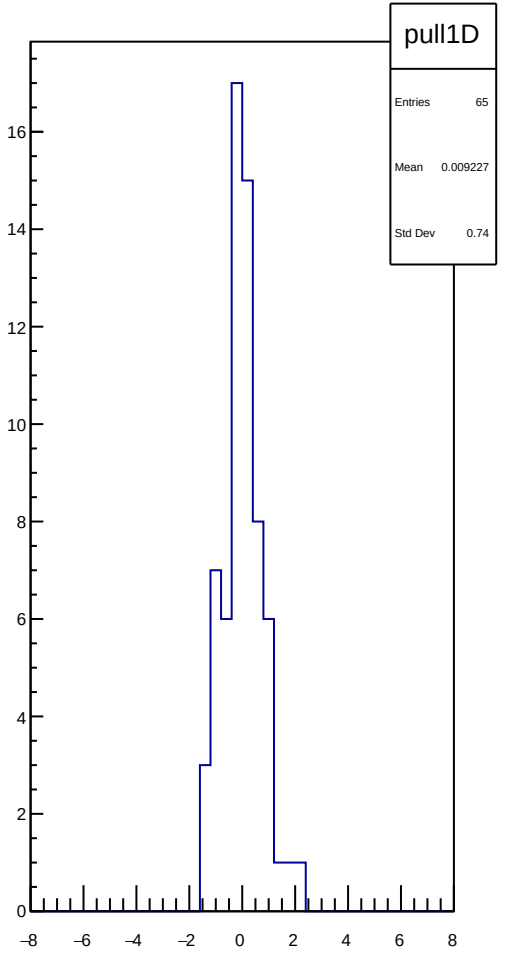

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.06 / 64
p0 −35.42 ± 9.353
pull
Entries 65
Mean −593.2
Std Dev 0

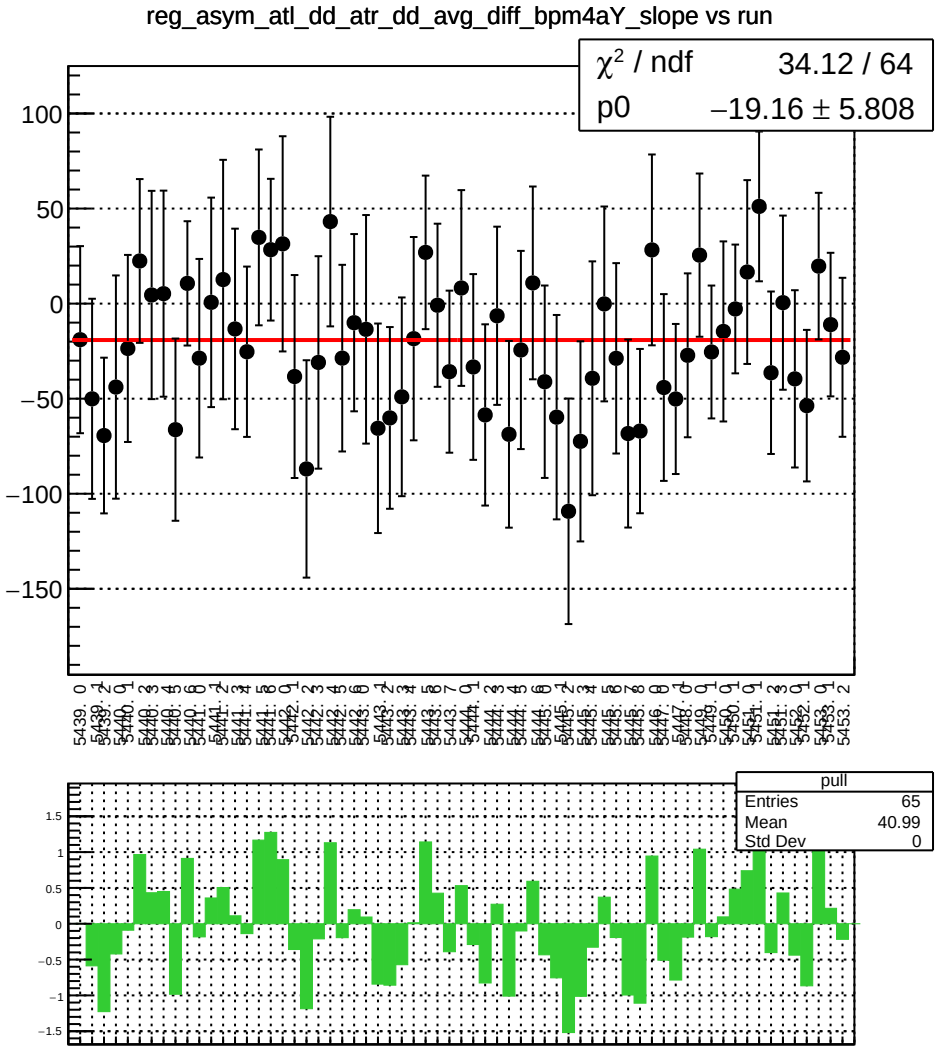

pull1D
Entries 65
Mean −0.005586
Std Dev 0.8233

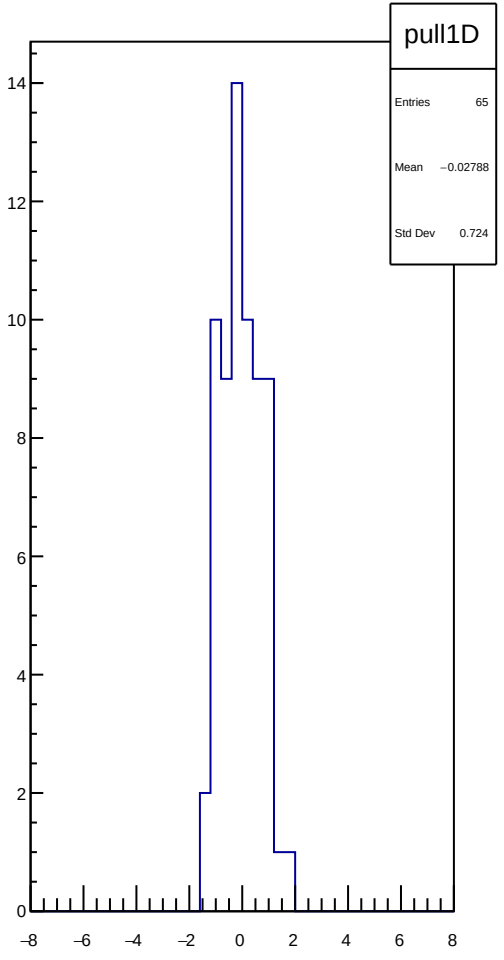

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 178.6 / 64
p0 123.1 ± 0.4178
pull
Entries 65
Mean −25.3
Std Dev 0

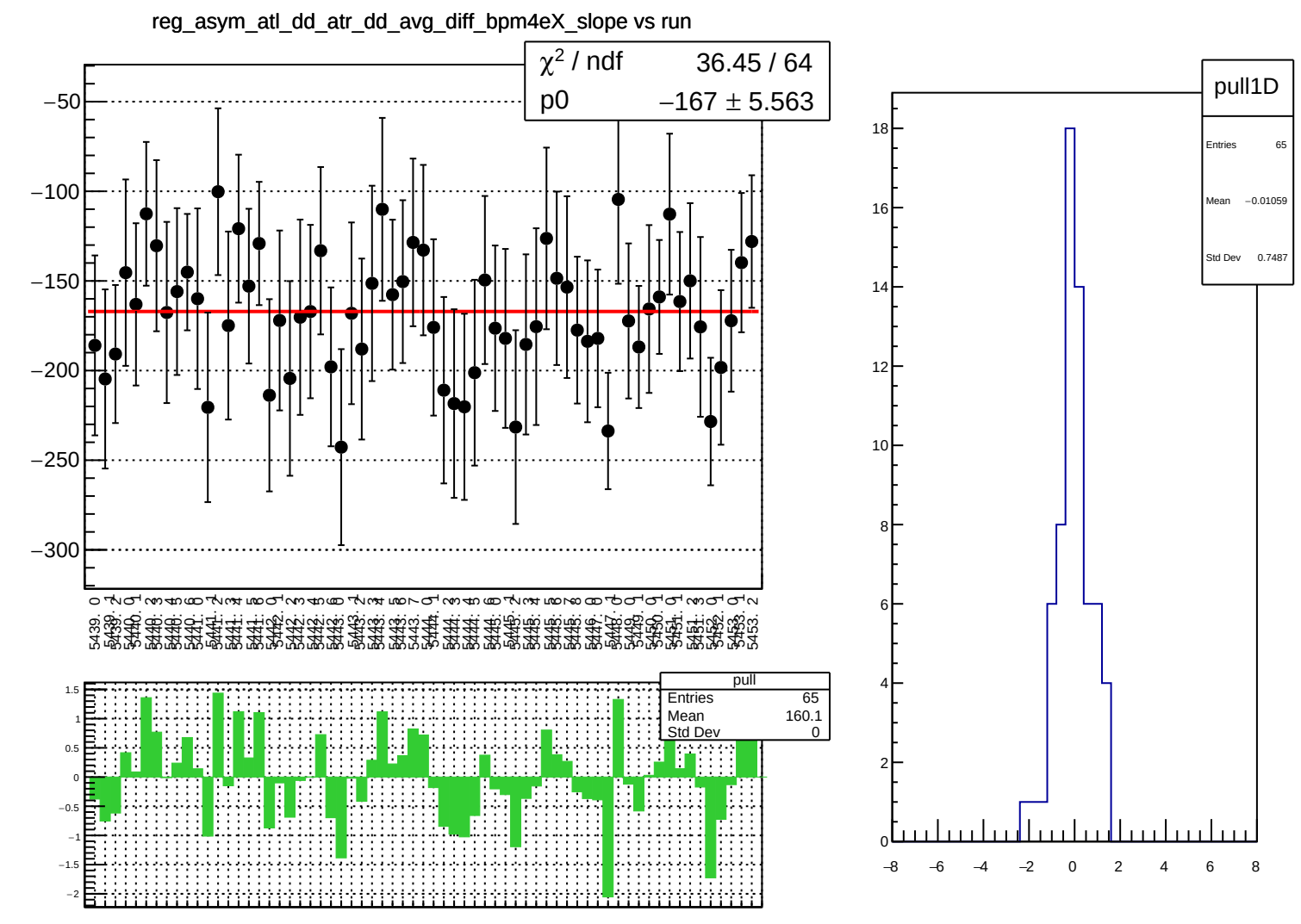

pull1D
Entries 65
Mean −0.1046
Std Dev 1.654

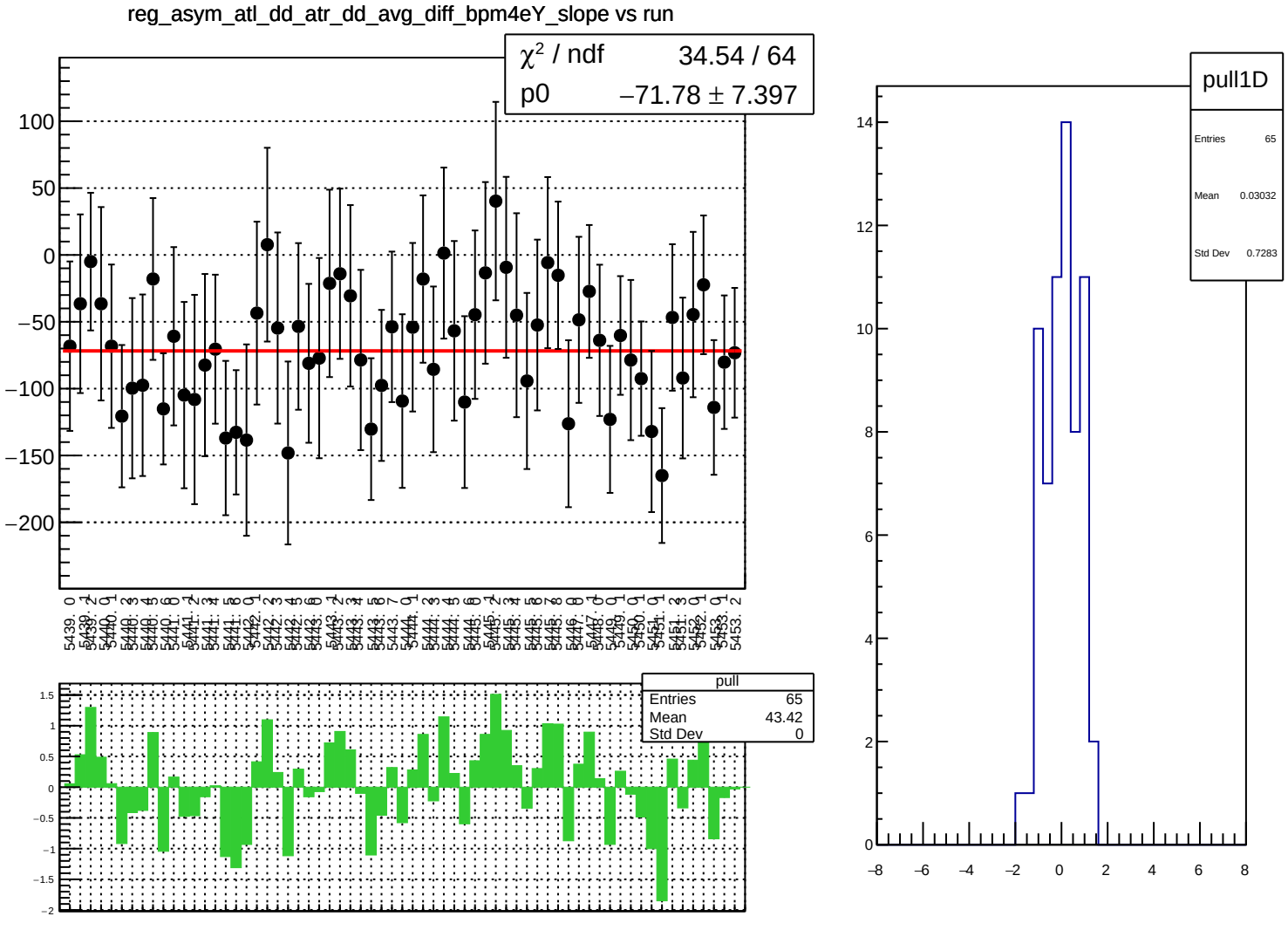

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 35.6 / 64
p0 206 ± 7.109
pull
Entries 65
Mean 183.6
Std Dev 0

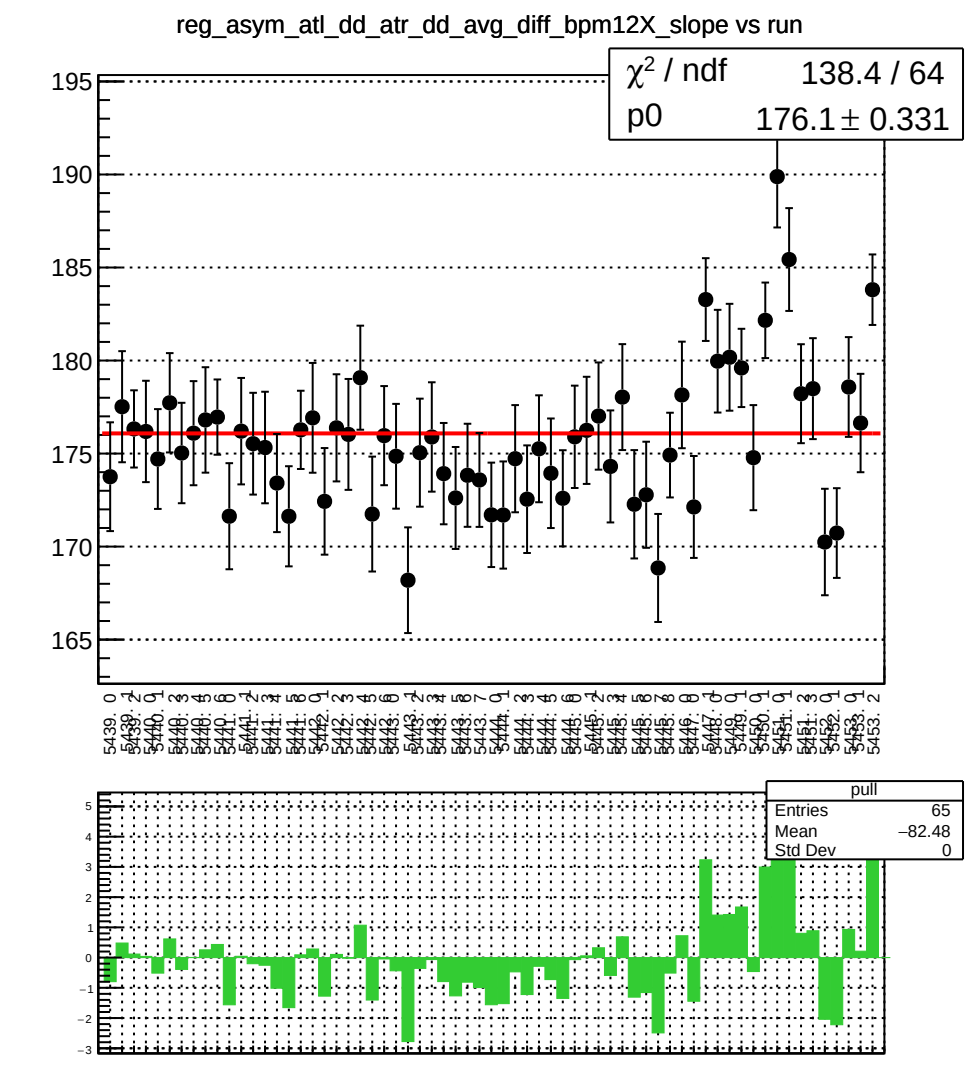

pull1D
Entries 65
Mean 0.009227
Std Dev 0.74

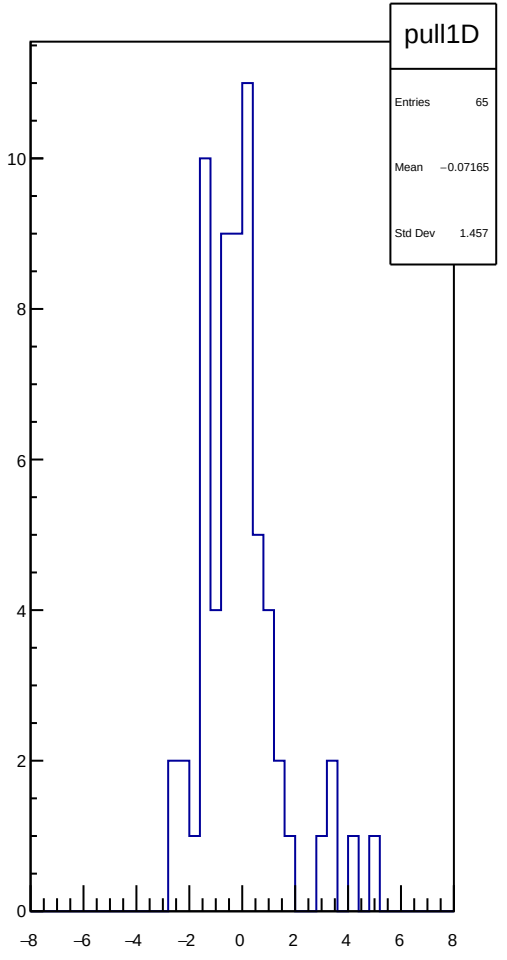

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.12 / 64
p0 −19.16 ± 5.808
pull
Entries 65
Mean 40.99
Std Dev 0

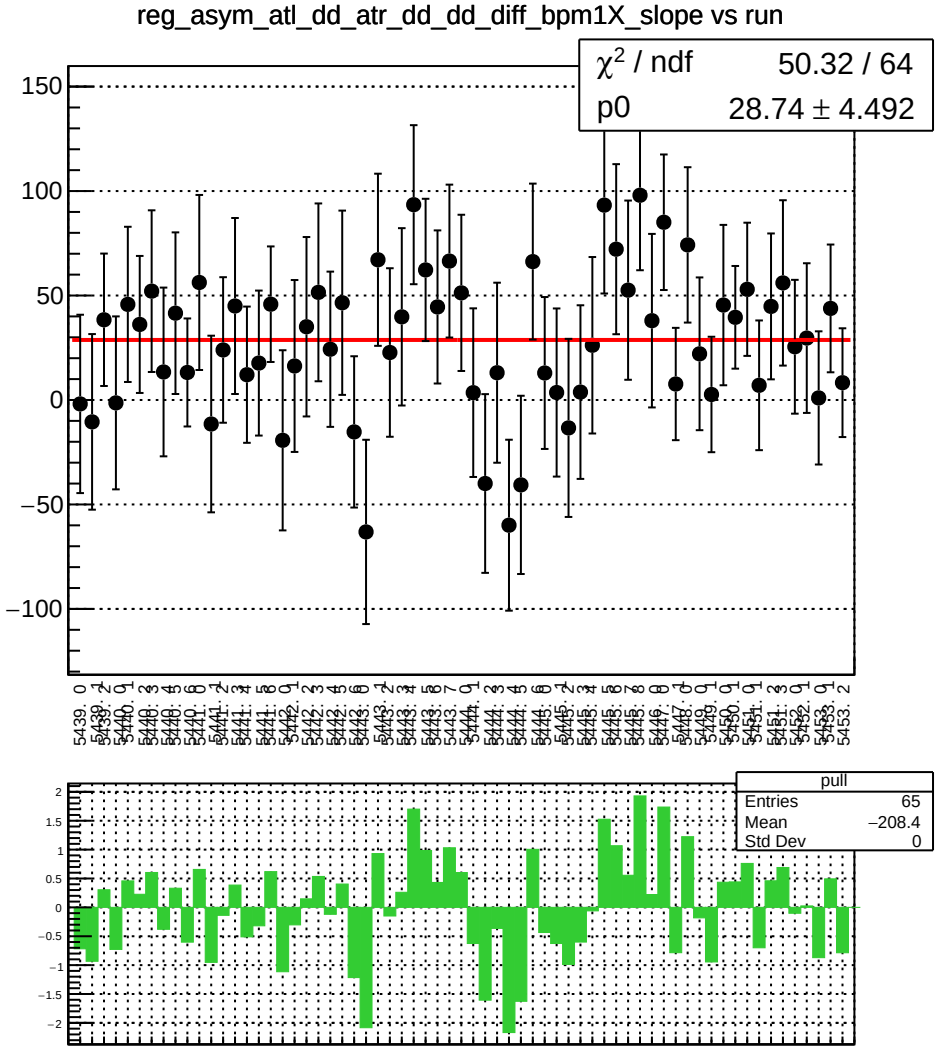

pull1D
Entries 65
Mean −0.02788
Std Dev 0.724

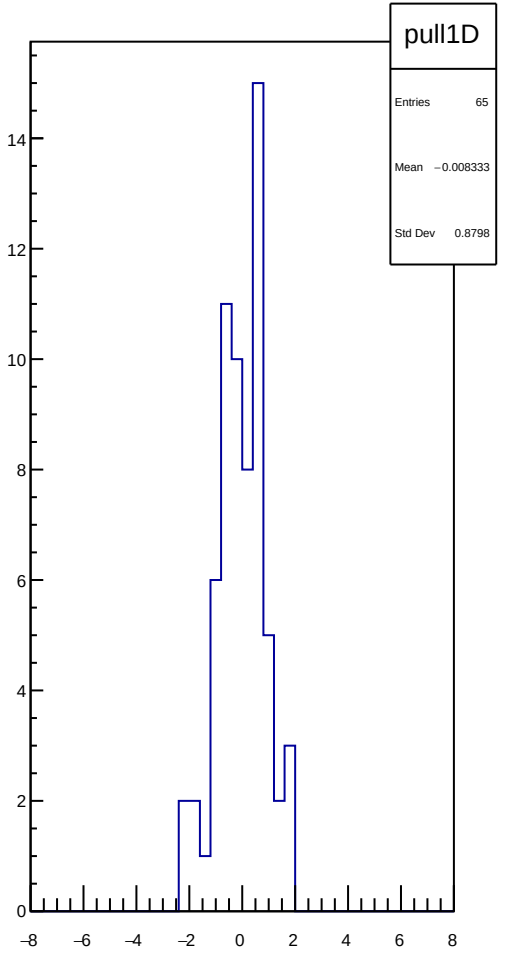

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.45 / 64
p0 −167 ± 5.563
pull
Entries 65
Mean 160.1
Std Dev 0
pull1D
Entries 65
Mean −0.01059
Std Dev 0.7487

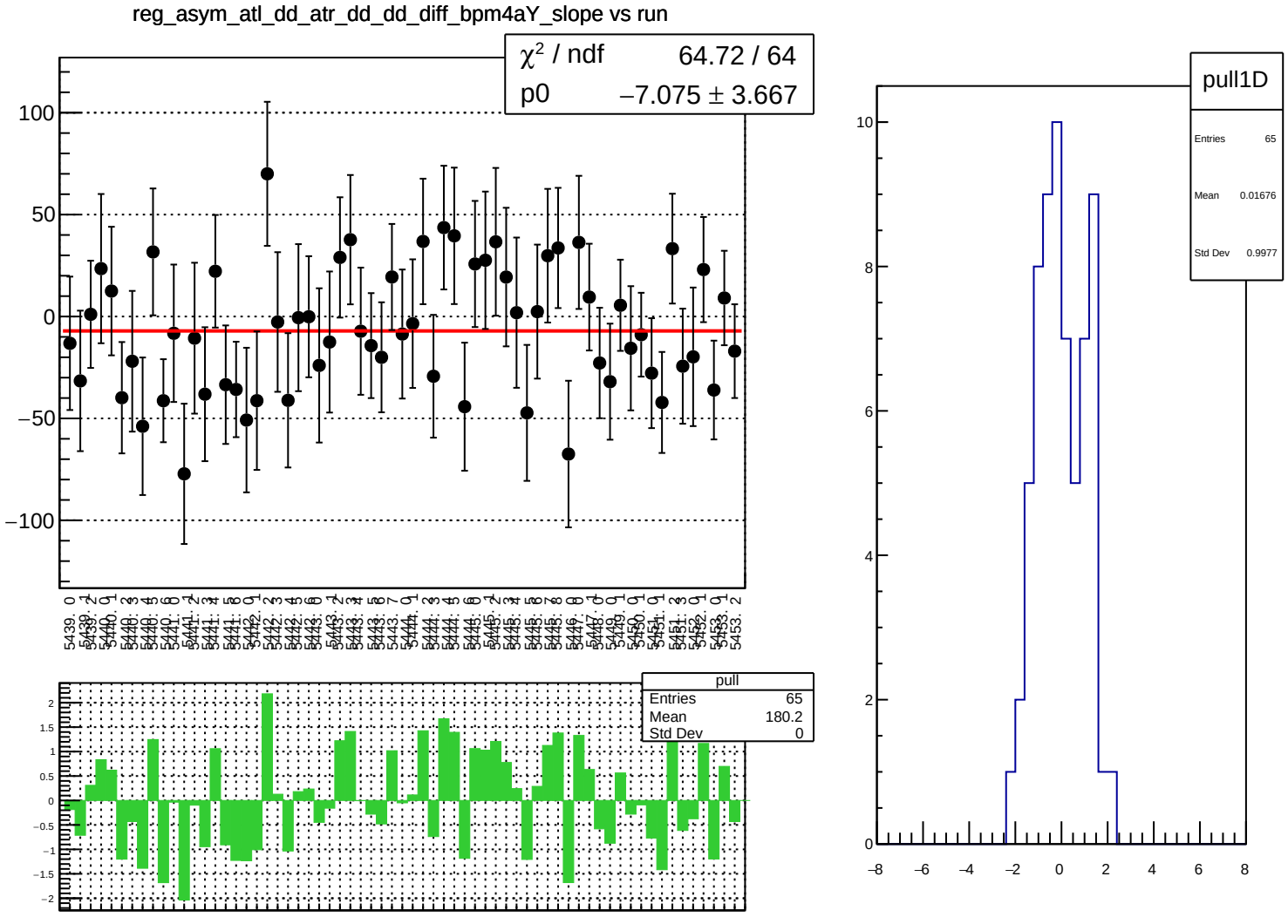

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.54 / 64
p0 −71.78 ± 7.397
pull
Entries 65
Mean 43.42
Std Dev 0
pull1D
Entries 65
Mean 0.03032
Std Dev 0.7283

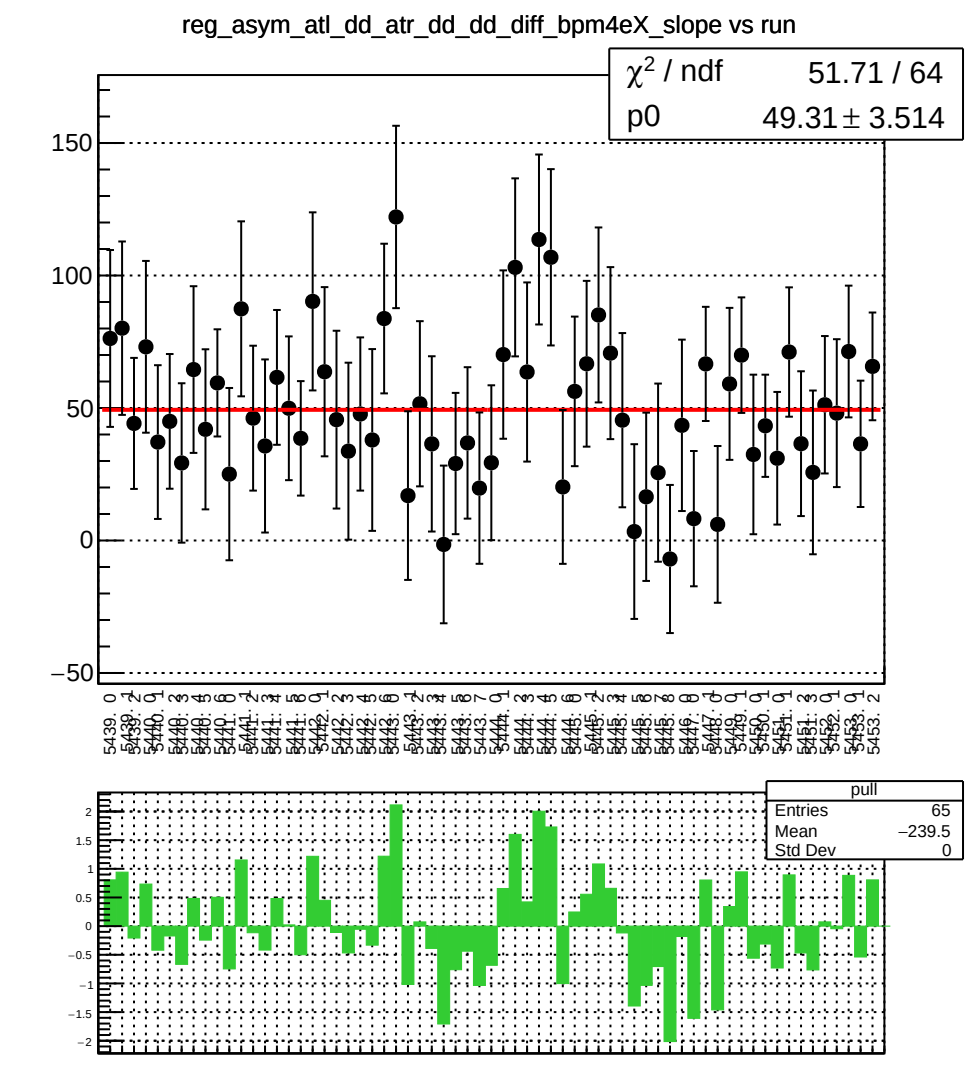

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 138.4 / 64
p0 176.1 ± 0.331
195
190
185
180
175
170
165
pull
Entries 65
Mean −82.48
Std Dev 0
5
4
3
2
1
0
−1
−2
−3

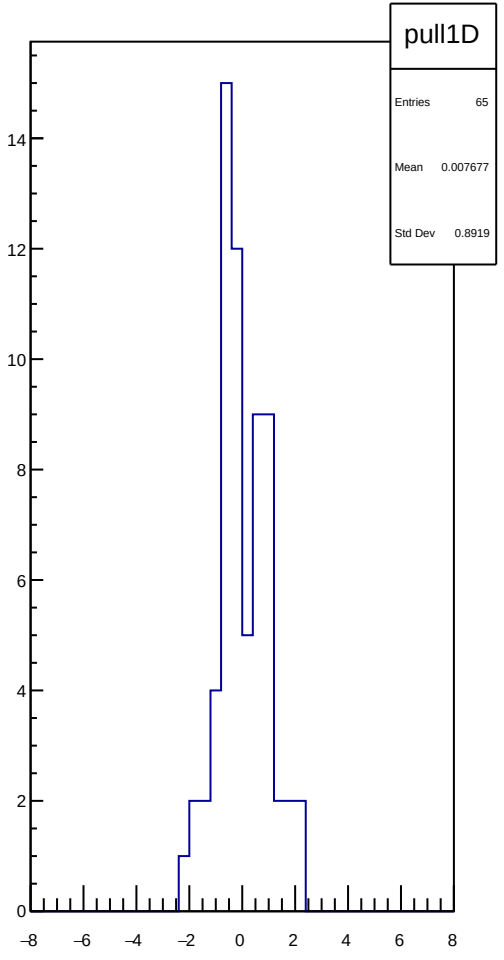

pull1D
Entries 65
Mean −0.07165
Std Dev 1.457
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

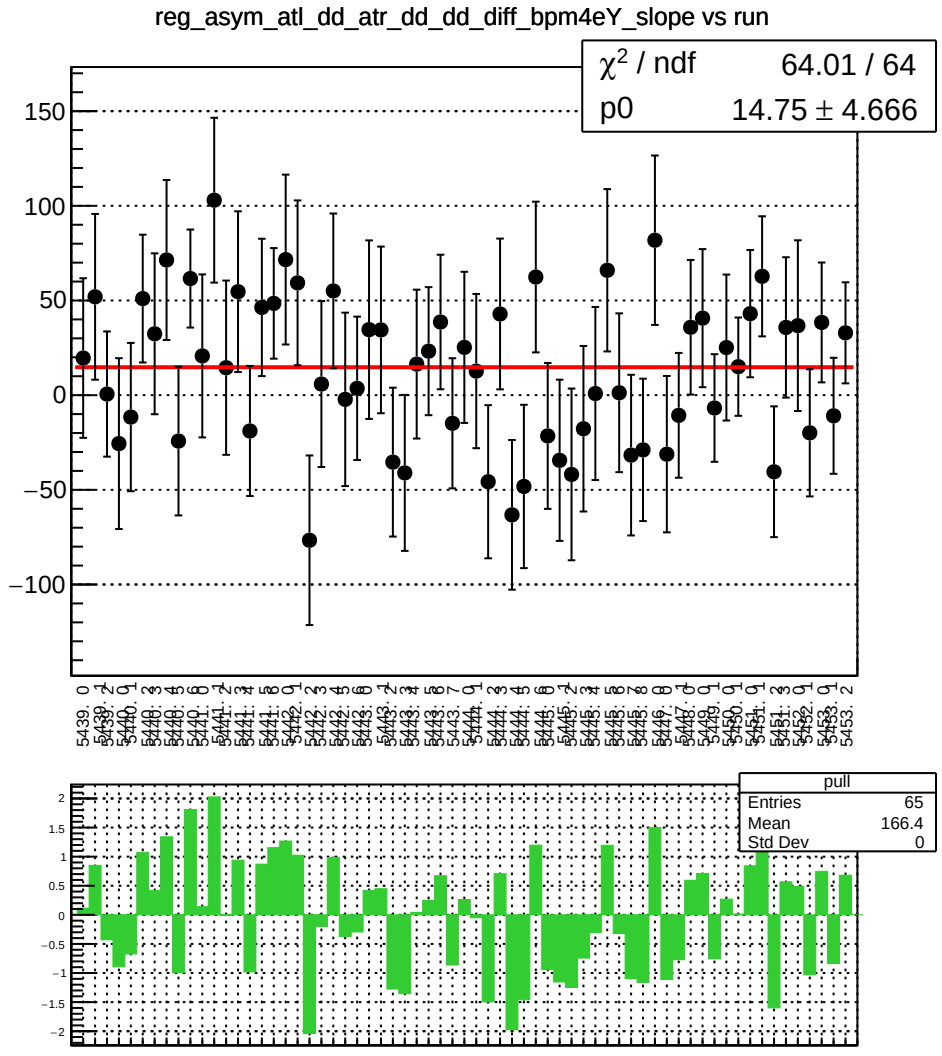

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 50.32 / 64
p0 28.74 ± 4.492
150
100
50
0
−50
−100
pull
Entries 65
Mean −208.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

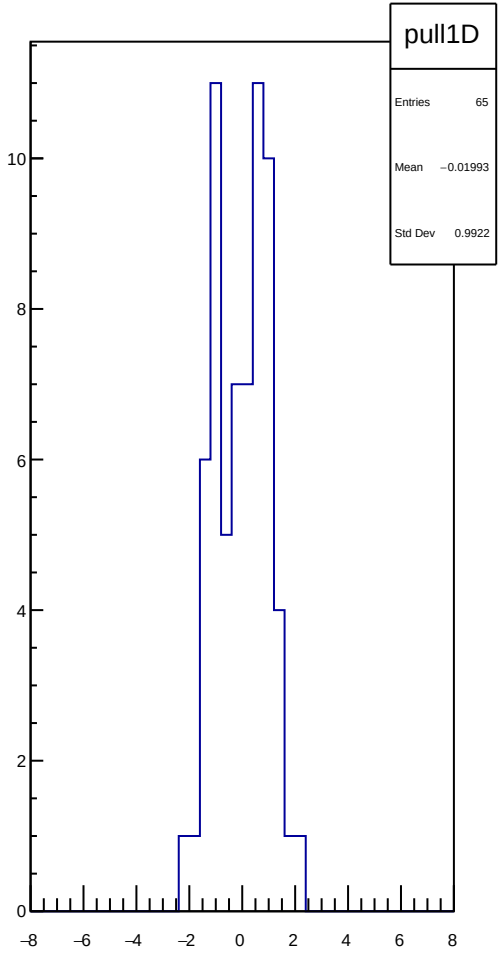

pull1D
Entries 65
Mean −0.008333
Std Dev 0.8798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

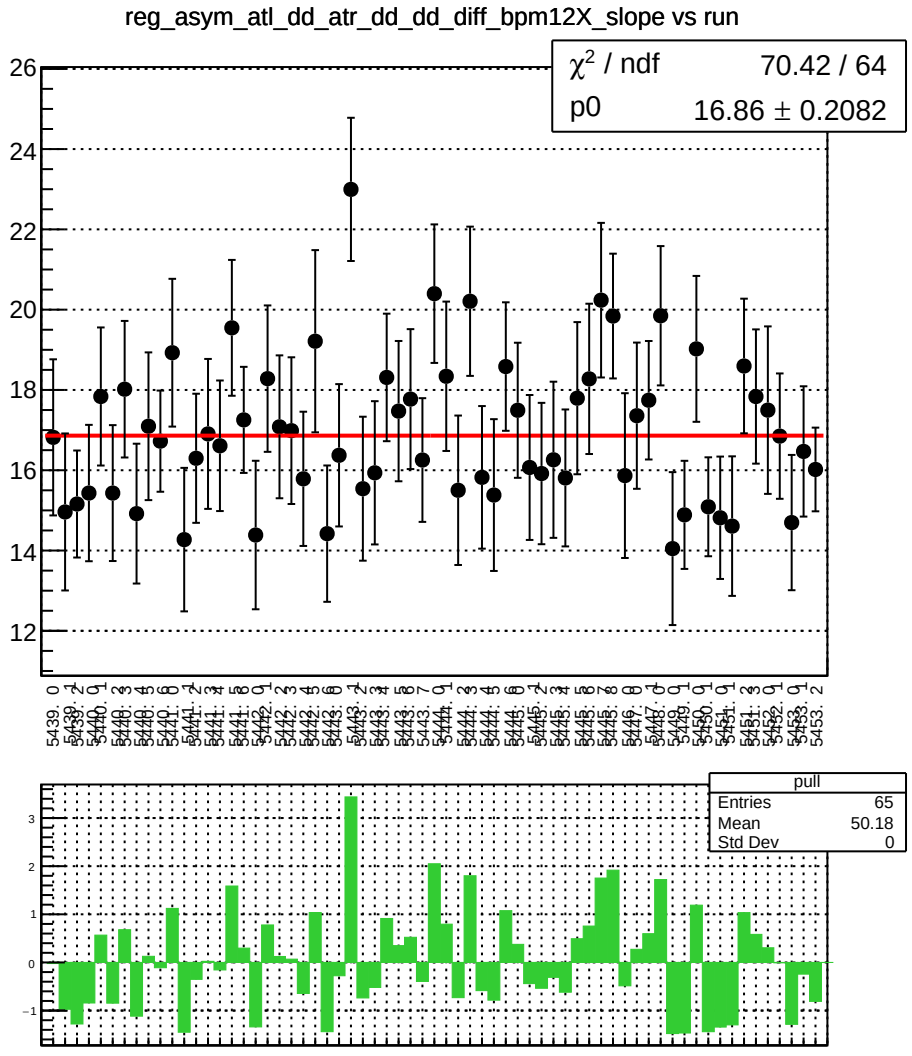

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.72 / 64
p0 −7.075 ± 3.667
pull
Entries 65
Mean 180.2
Std Dev 0
pull1D
Entries 65
Mean 0.01676
Std Dev 0.9977

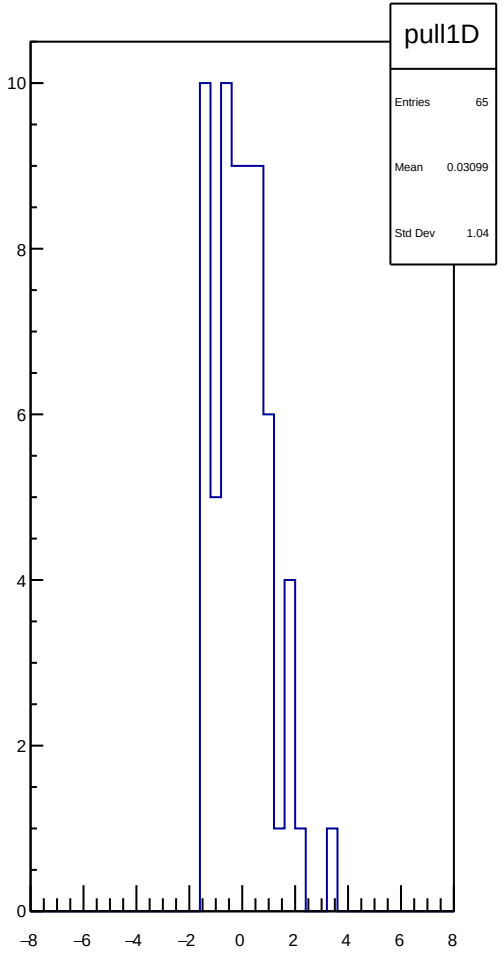

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.71 / 64
p0 49.31 ± 3.514
150
100
50
0
−50
pull
Entries 65
Mean −239.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

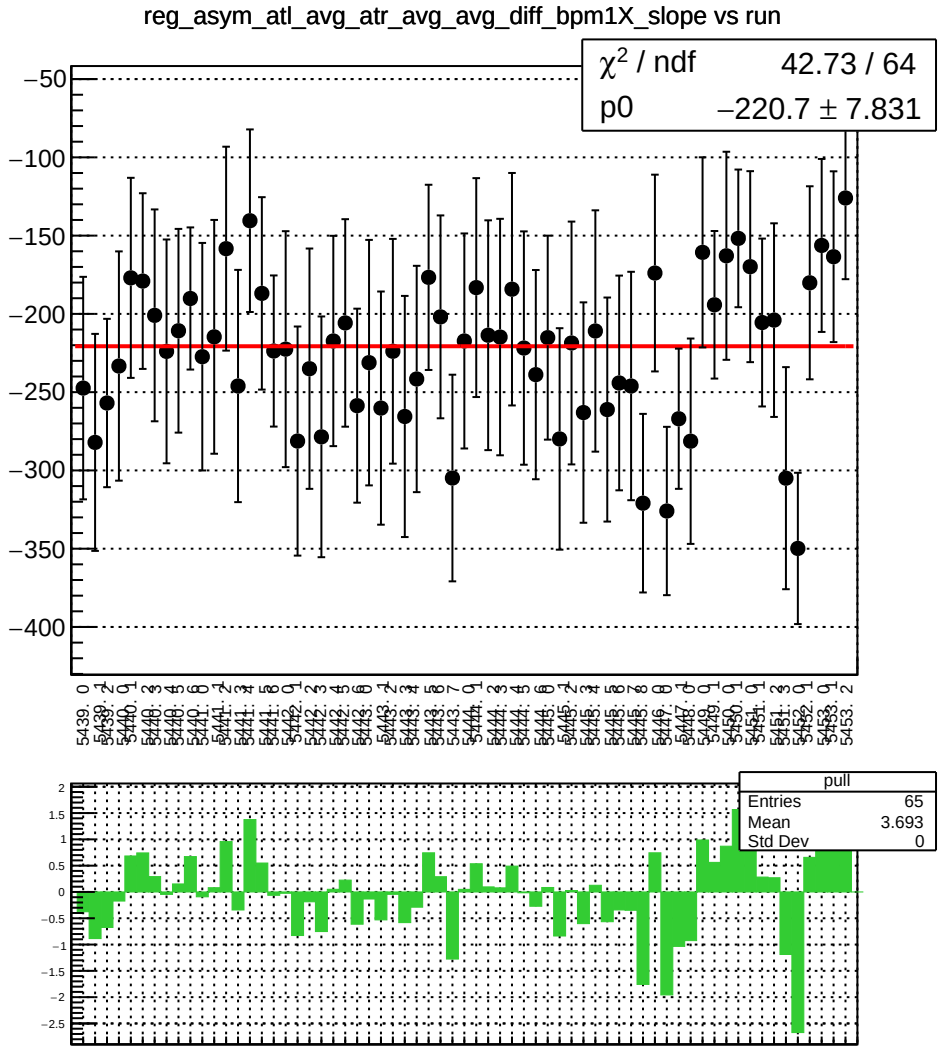

pull1D
Entries 65
Mean 0.007677
Std Dev 0.8919
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

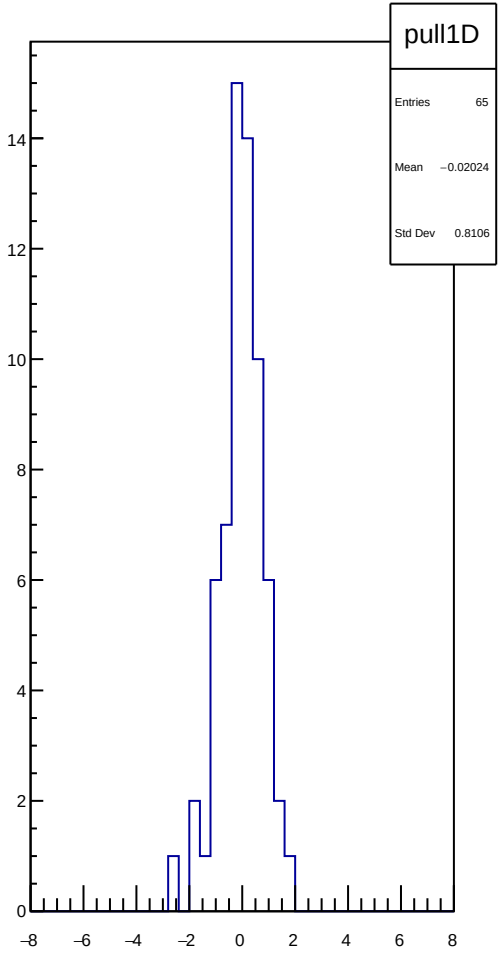

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.01 / 64
p0 14.75 ± 4.666
150
100
50
0
−50
−100
pull
Entries 65
Mean 166.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

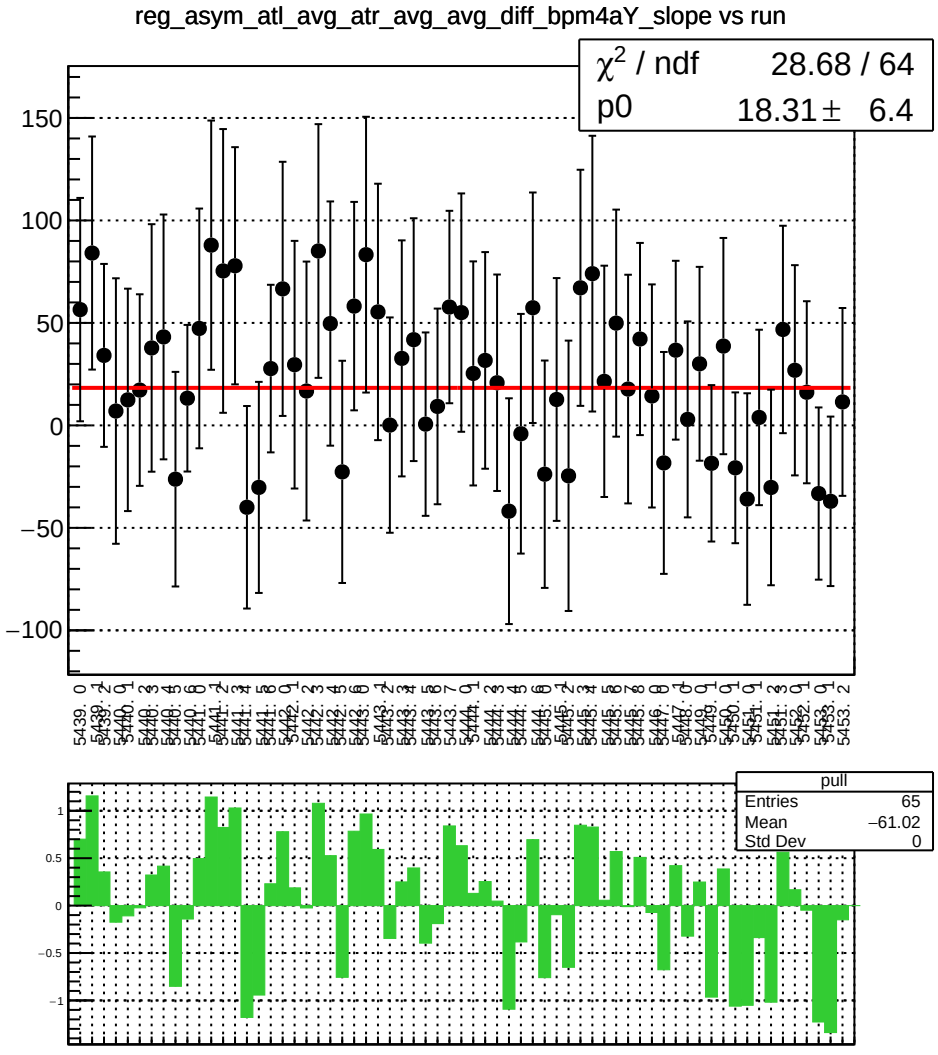

pull1D
Entries 65
Mean −0.01993
Std Dev 0.9922
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

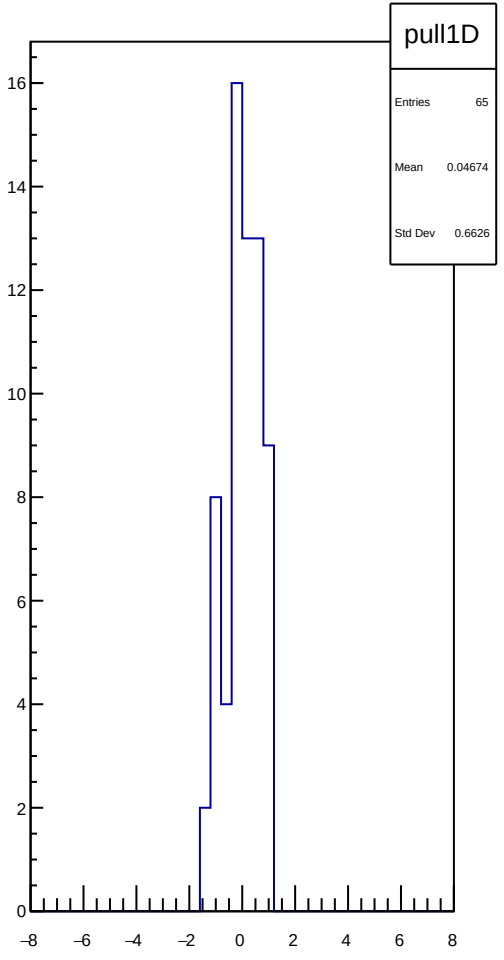

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 70.42 / 64
p0 16.86 ± 0.2082
pull
Entries 65
Mean 50.18
Std Dev 0

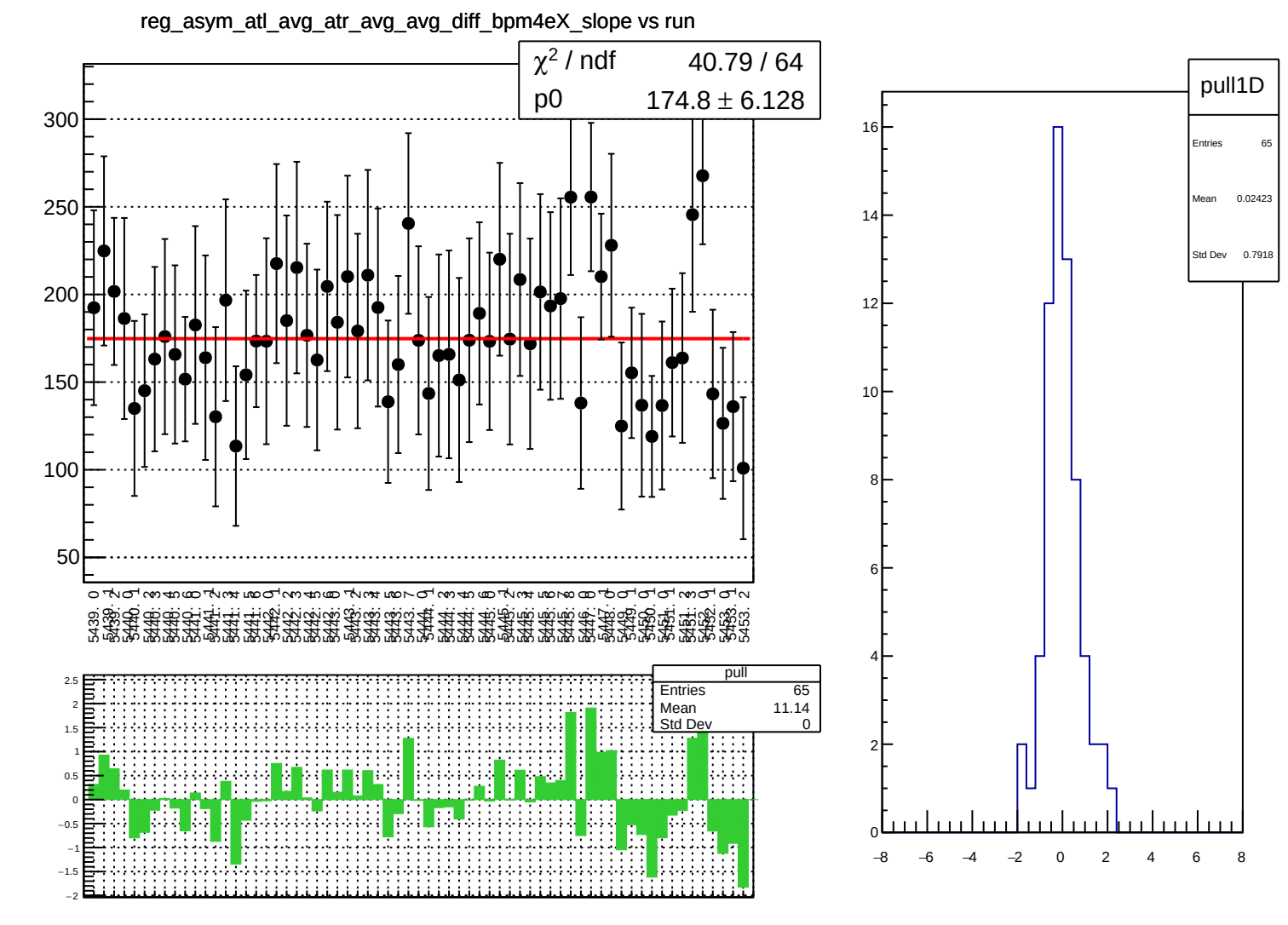

pull1D
Entries 65
Mean 0.03099
Std Dev 1.04

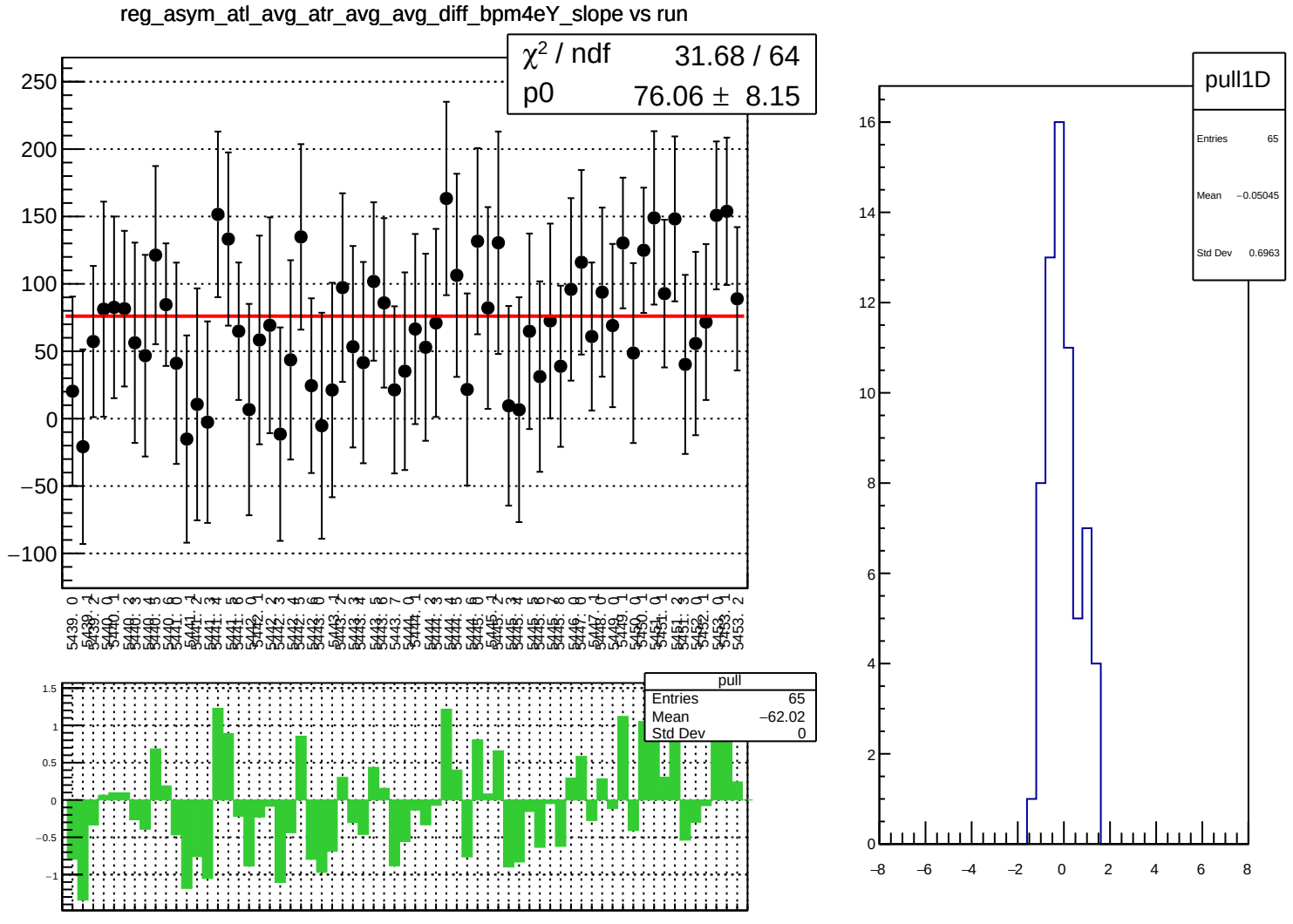

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 42.73 / 64
p0 −220.7 ± 7.831
pull
Entries 65
Mean 3.693
Std Dev 0

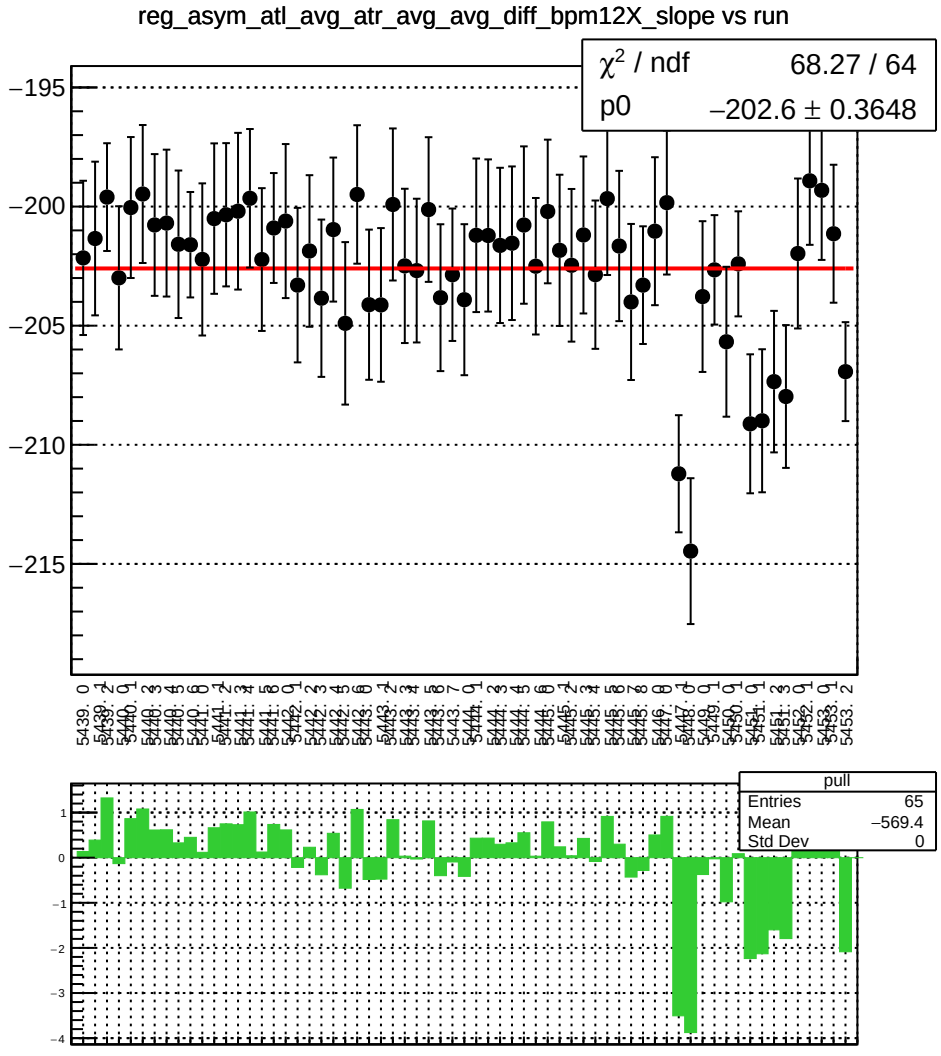

pull1D
Entries 65
Mean −0.02024
Std Dev 0.8106

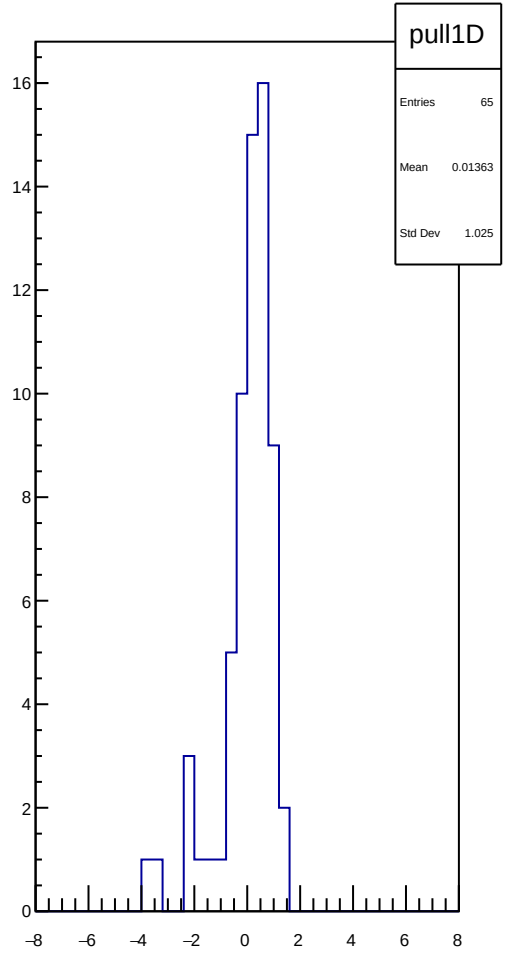

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.68 / 64
p0 18.31 ± 6.4
150
100
50
0
−50
−100
pull
Entries 65
Mean −61.02
Std Dev 0
1
0.5
0
−0.5
−1

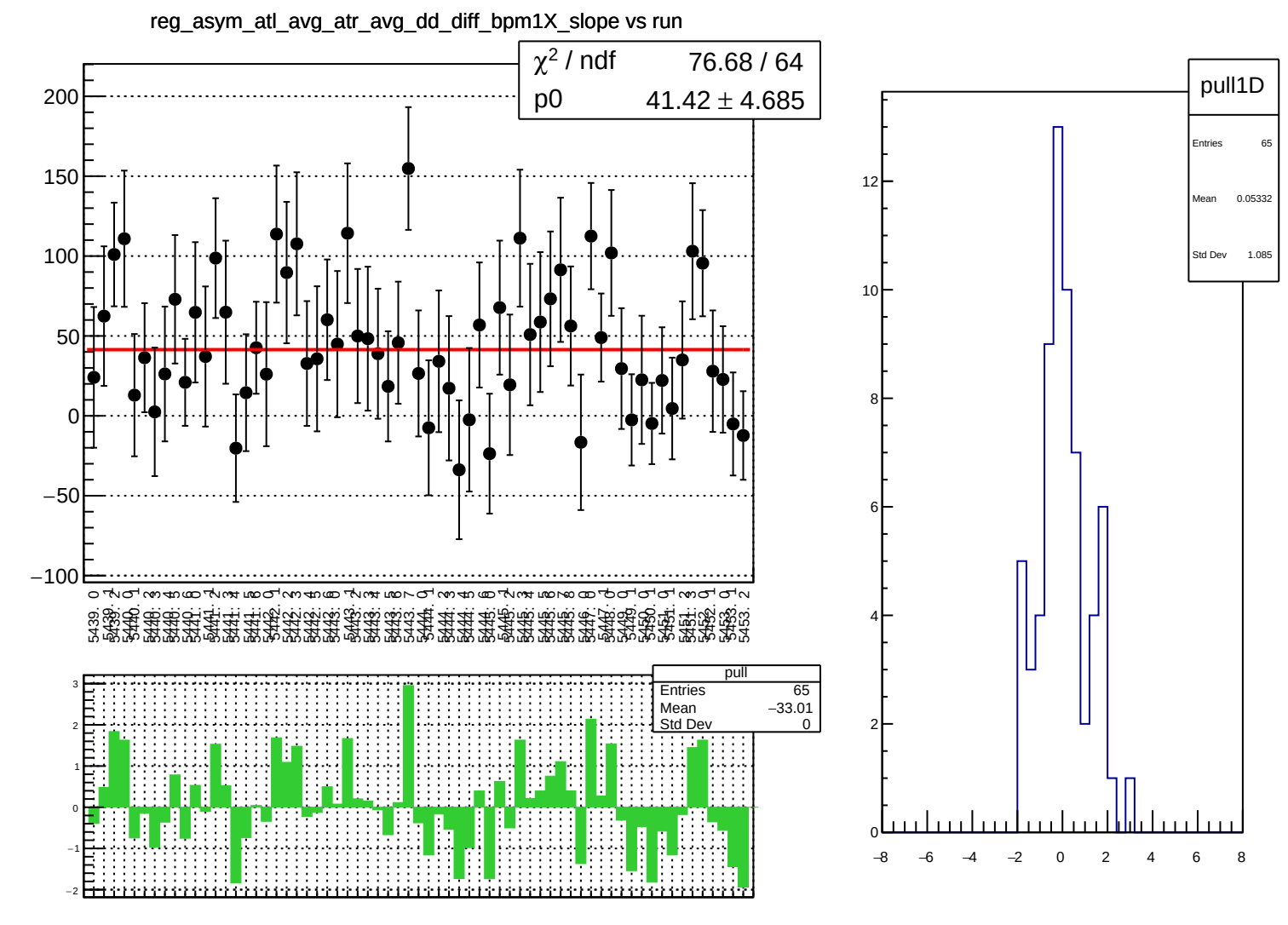

pull1D
Entries 65
Mean 0.04674
Std Dev 0.6626
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

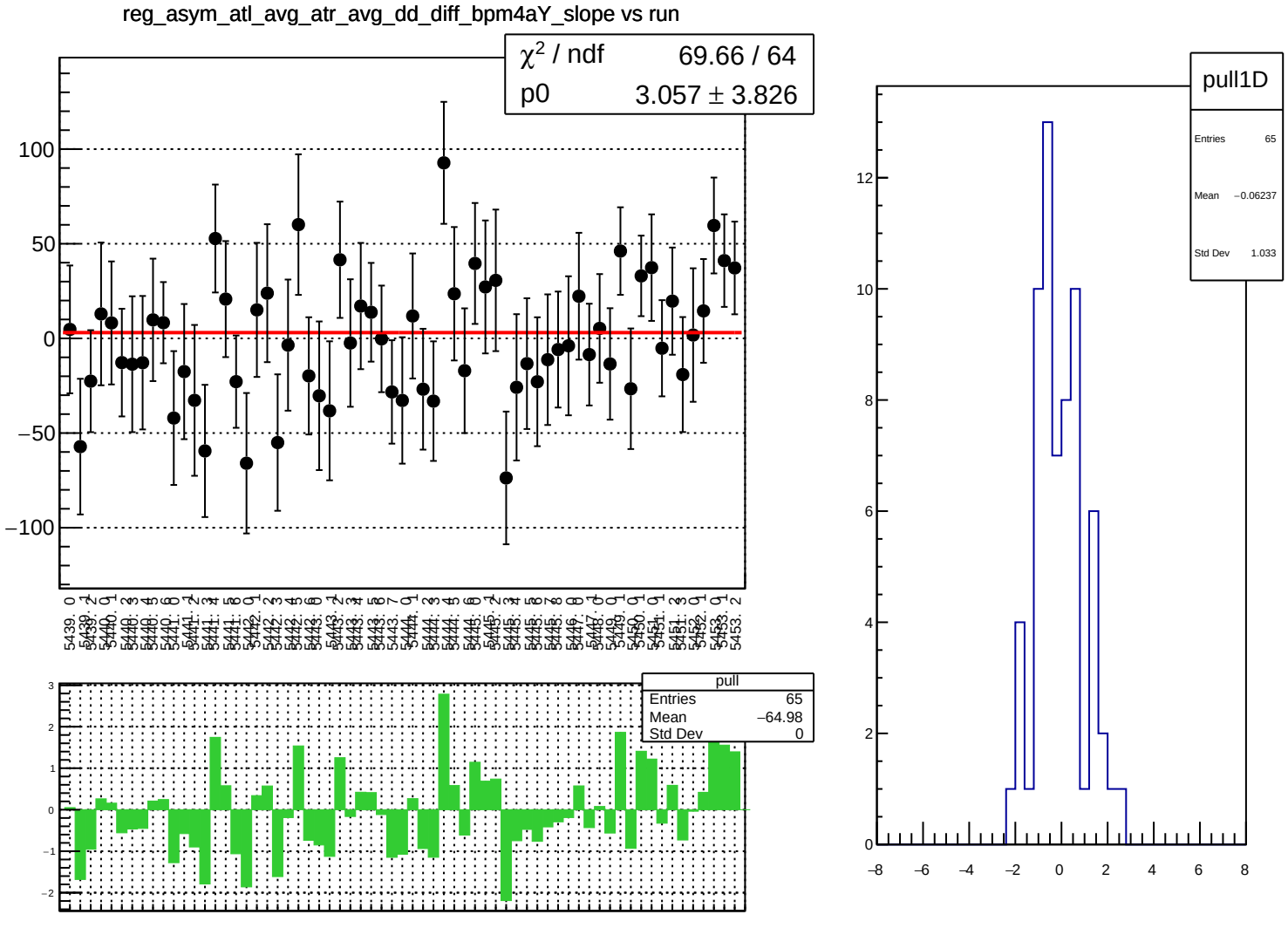

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.79 / 64
p0 174.8 ± 6.128
pull
Entries 65
Mean 11.14
Std Dev 0
pull1D
Entries 65
Mean 0.02423
Std Dev 0.7918

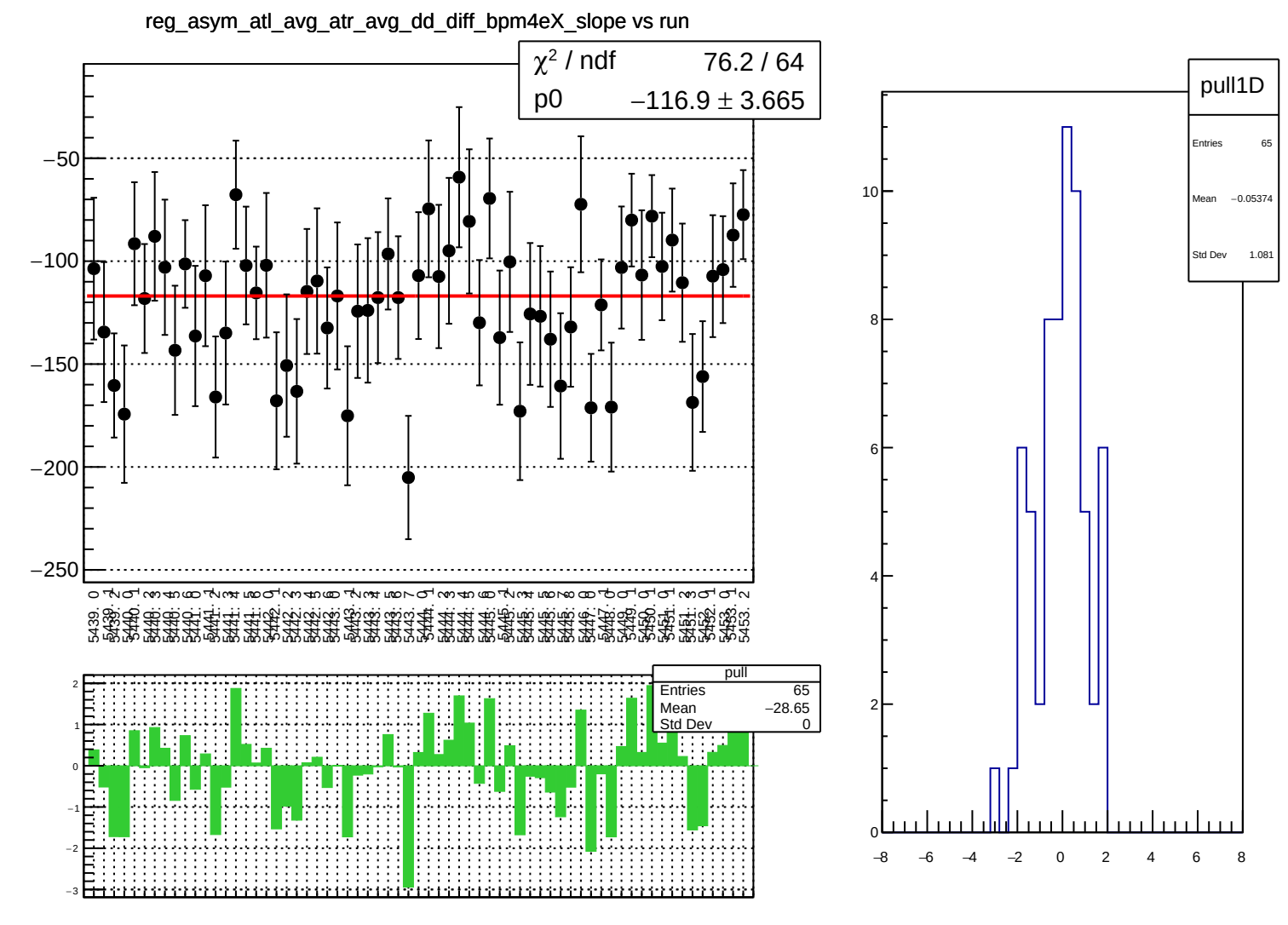

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.68 / 64
p0 76.06 ± 8.15
pull
Entries 65
Mean −62.02
Std Dev 0
pull1D
Entries 65
Mean −0.05045
Std Dev 0.6963

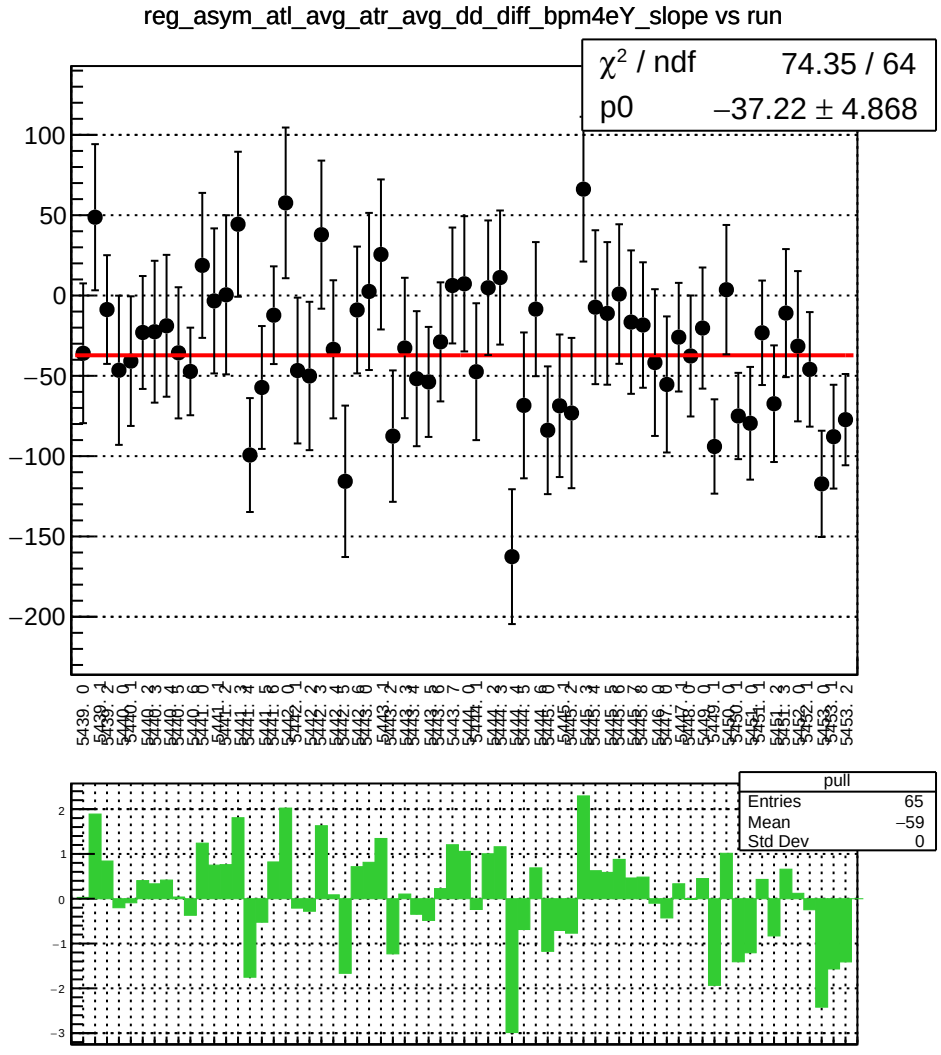

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 68.27 / 64
p0 −202.6 ± 0.3648
−195
−200
−205
−210
−215
pull
Entries 65
Mean −569.4
Std Dev 0
1
0
−1
−2
−3
−4

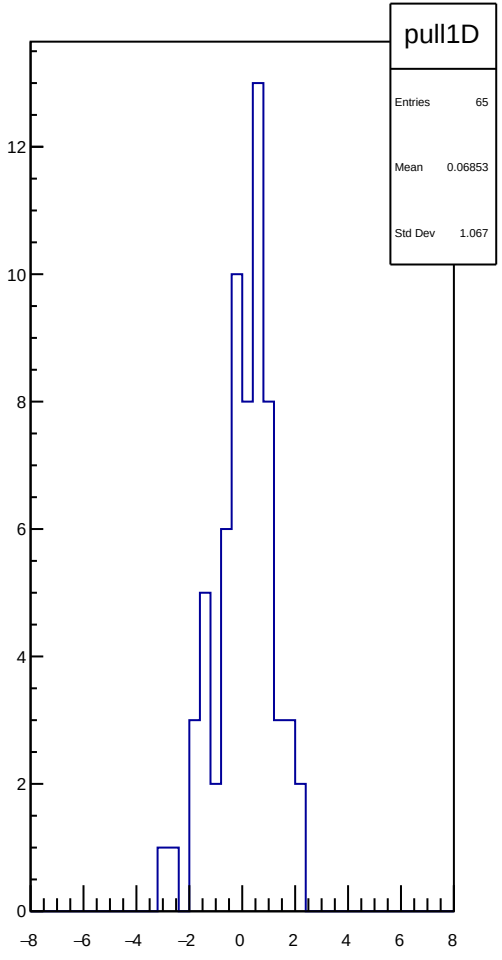

pull1D
Entries 65
Mean 0.01363
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

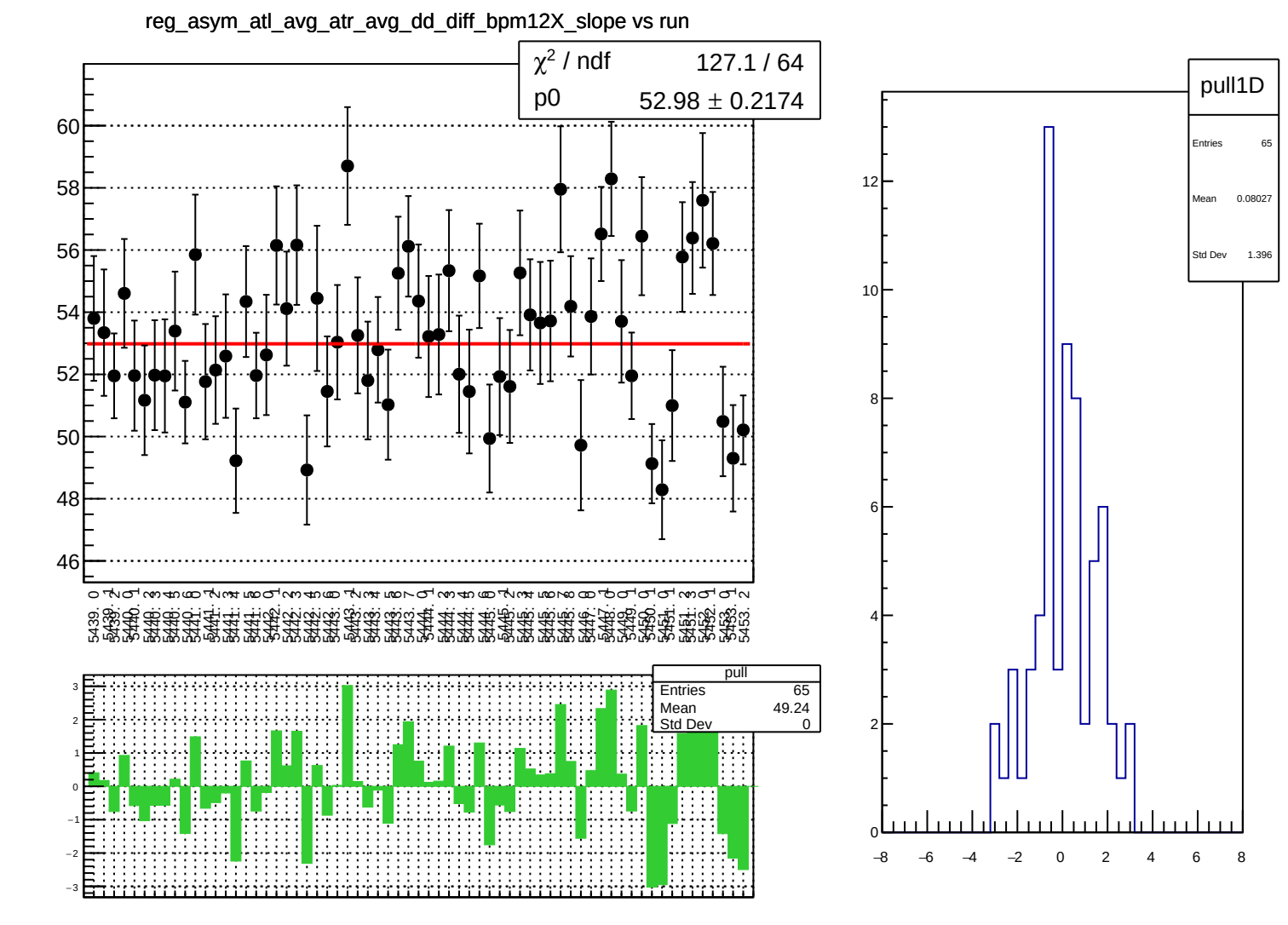

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 76.68 / 64
p0 41.42 ± 4.685
pull
Entries 65
Mean −33.01
Std Dev 0
pull1D
Entries 65
Mean 0.05332
Std Dev 1.085

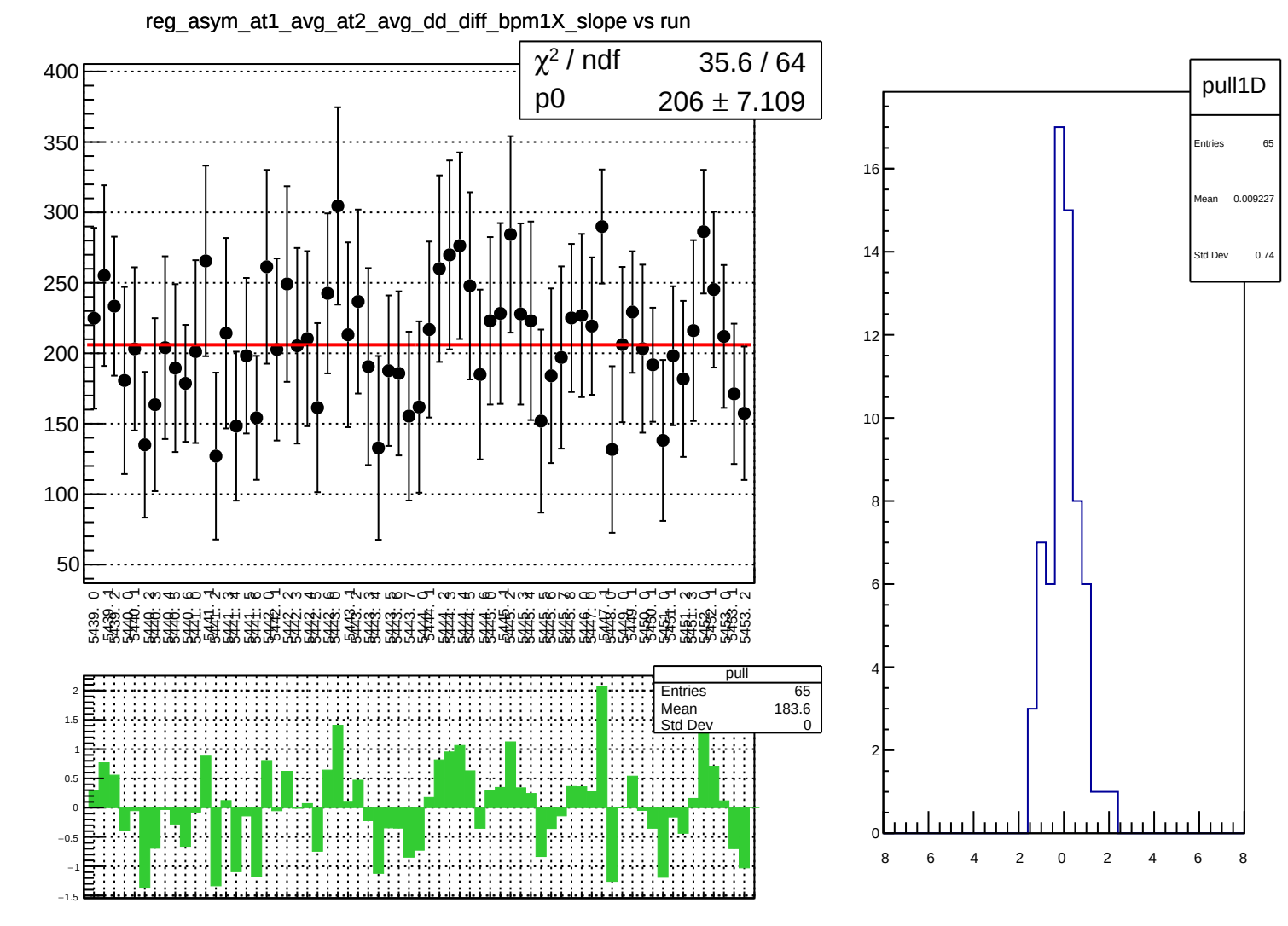

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.66 / 64
p0 3.057 ± 3.826
pull
Entries 65
Mean −64.98
Std Dev 0
pull1D
Entries 65
Mean −0.06237
Std Dev 1.033

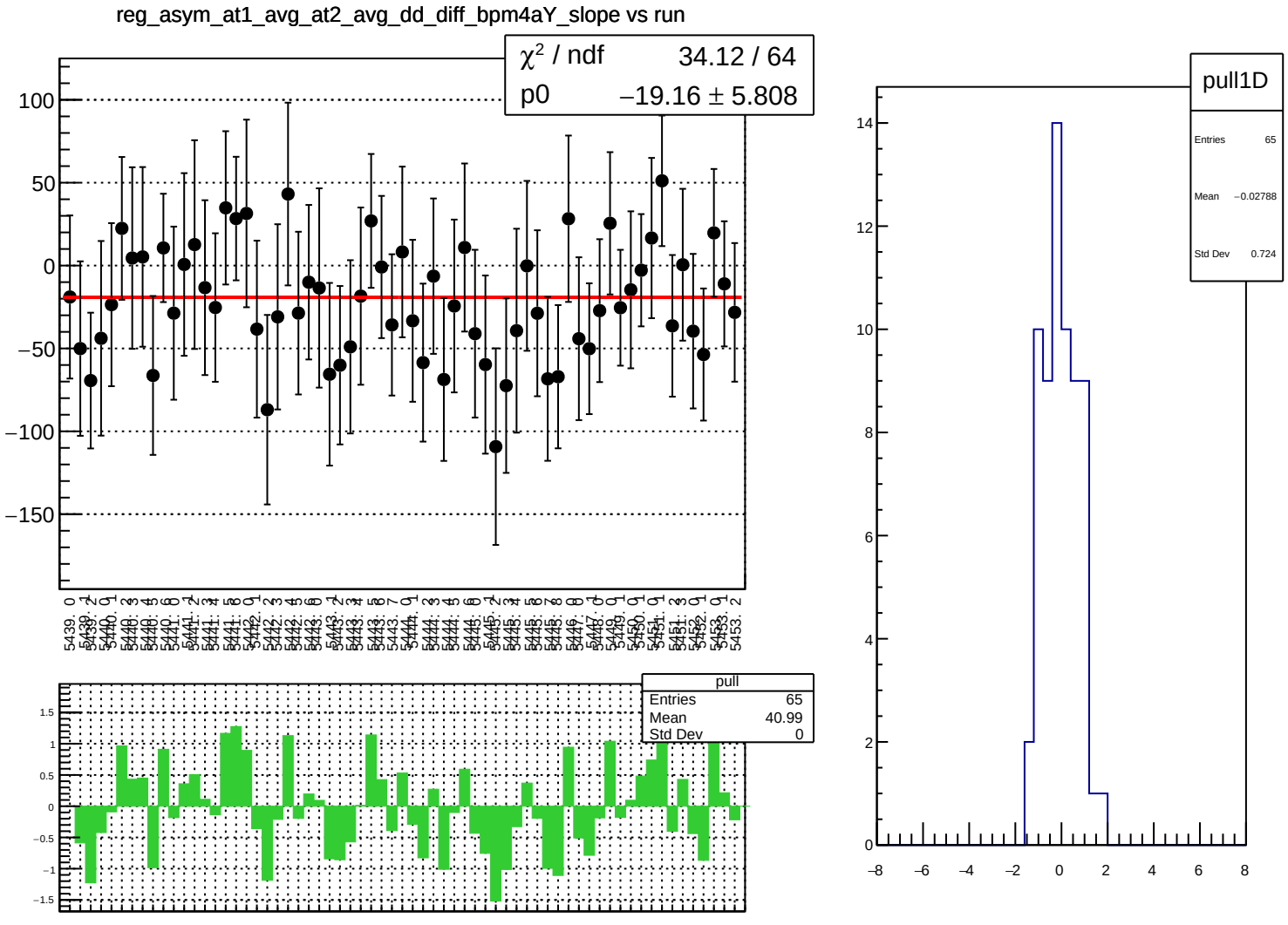

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.2 / 64
p0 −116.9 ± 3.665
pull
Entries 65
Mean −28.65
Std Dev 0
pull1D
Entries 65
Mean −0.05374
Std Dev 1.081

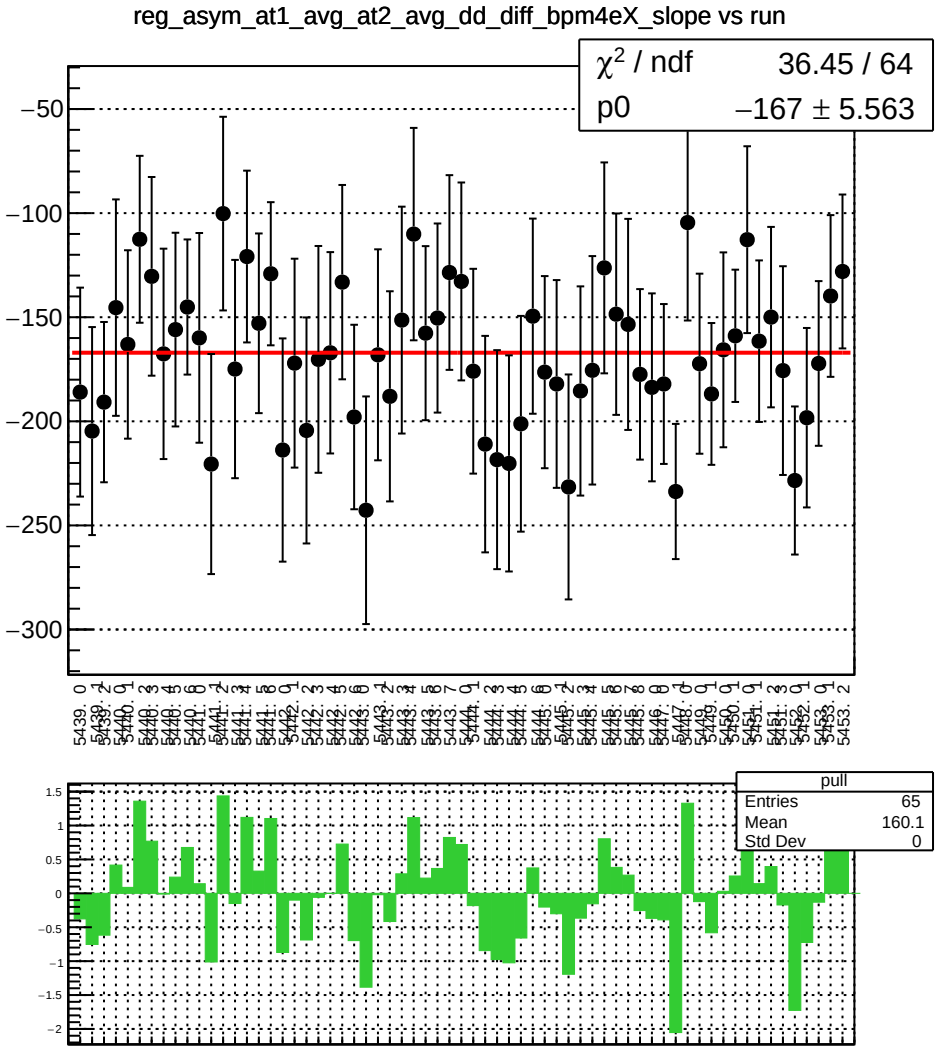

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.35 / 64
p0 −37.22 ± 4.868
pull
Entries 65
Mean −59
Std Dev 0

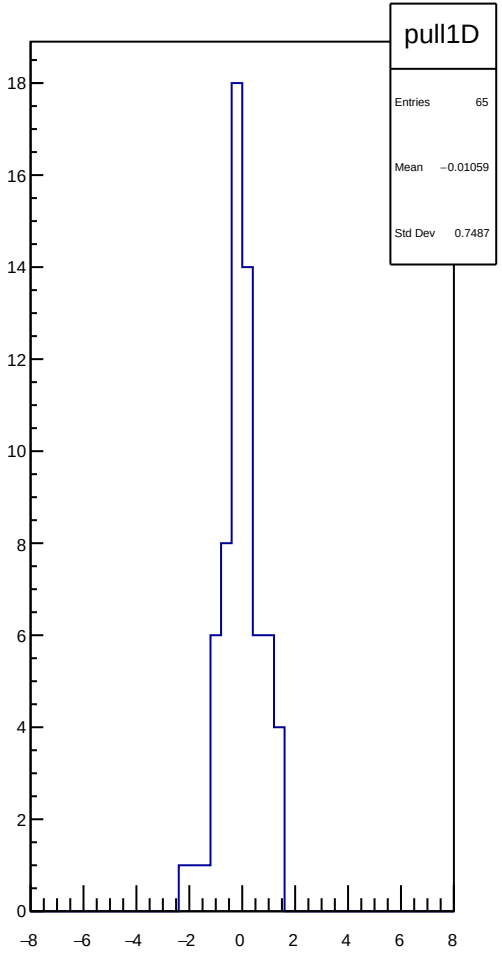

pull1D
Entries 65
Mean 0.06853
Std Dev 1.067

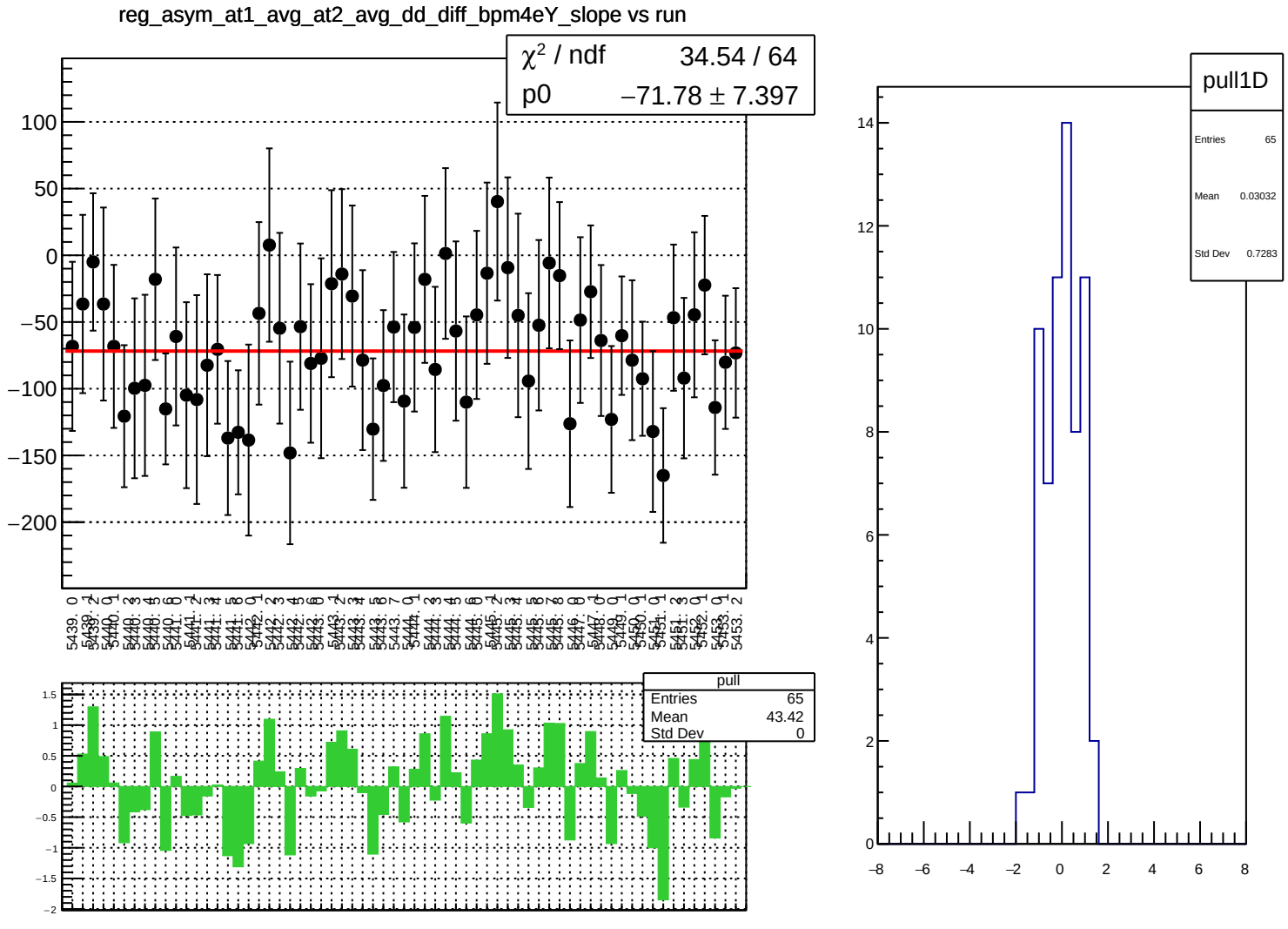

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 127.1 / 64
p0 52.98 ± 0.2174
pull
Entries 65
Mean 49.24
Std Dev 0
pull1D
Entries 65
Mean 0.08027
Std Dev 1.396

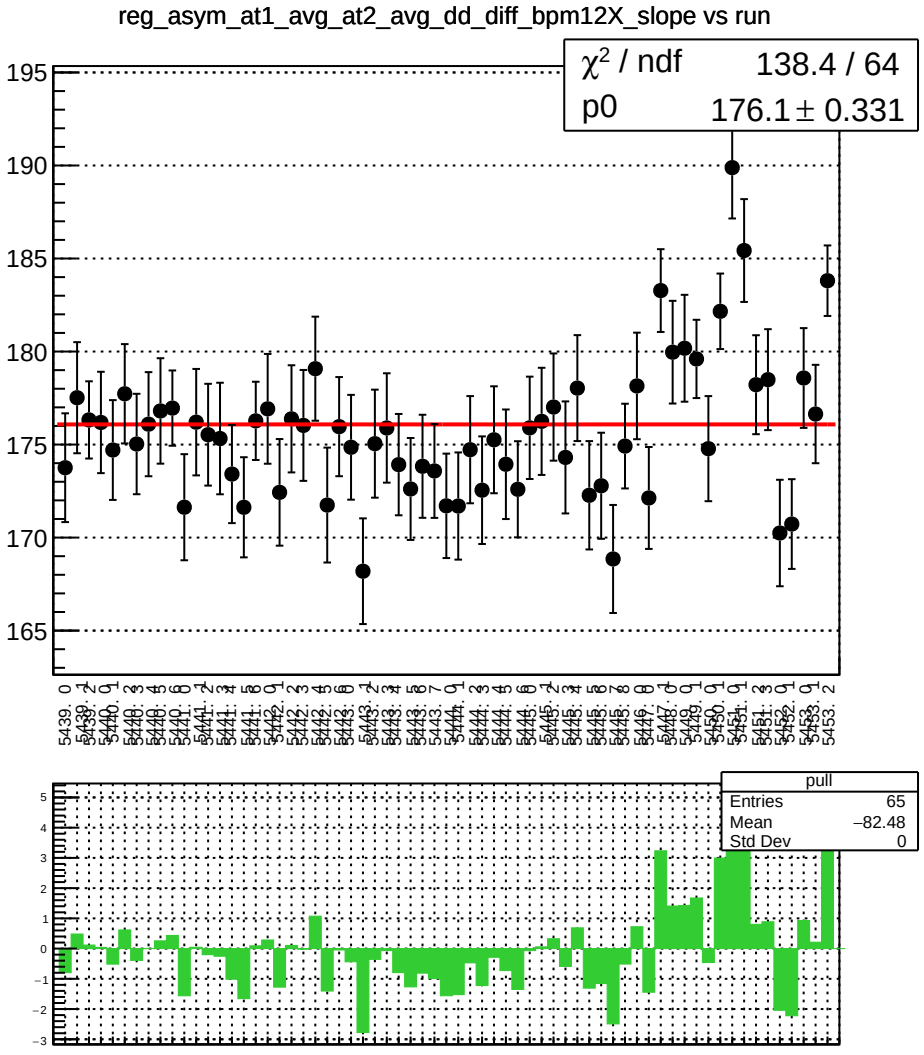

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 35.6 / 64
p0 206 ± 7.109
pull
Entries 65
Mean 183.6
Std Dev 0
pull1D
Entries 65
Mean 0.009227
Std Dev 0.74

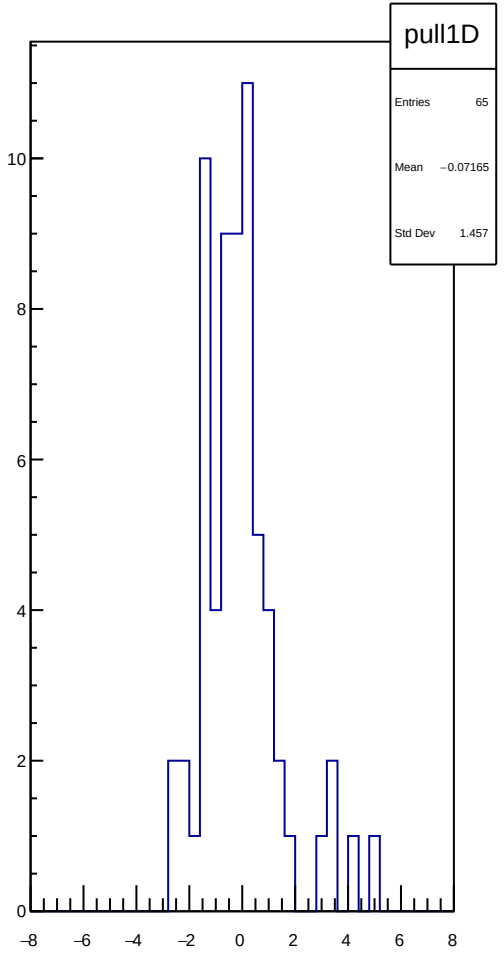

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.12 / 64
p0 −19.16 ± 5.808
pull
Entries 65
Mean 40.99
Std Dev 0
pull1D
Entries 65
Mean −0.02788
Std Dev 0.724

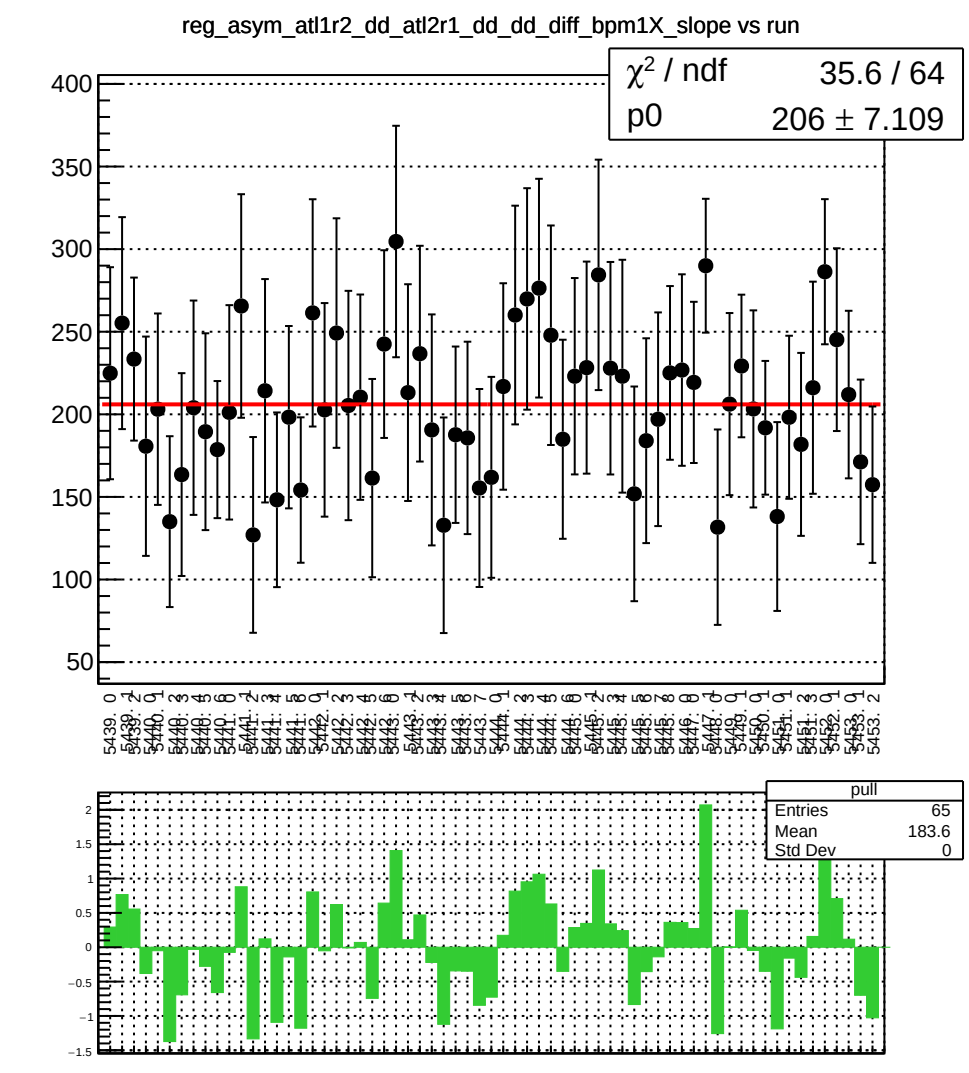

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.45 / 64
p0 −167 ± 5.563
pull
Entries 65
Mean 160.1
Std Dev 0

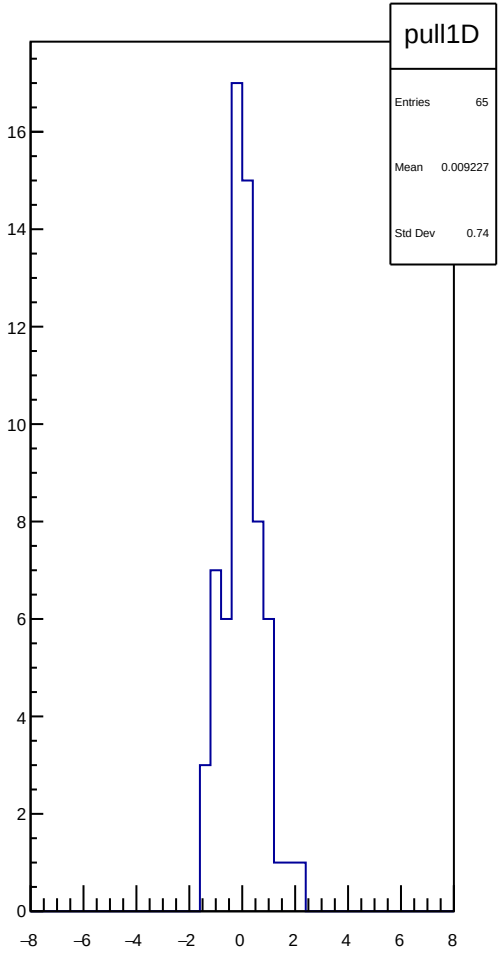

pull1D
Entries 65
Mean −0.01059
Std Dev 0.7487

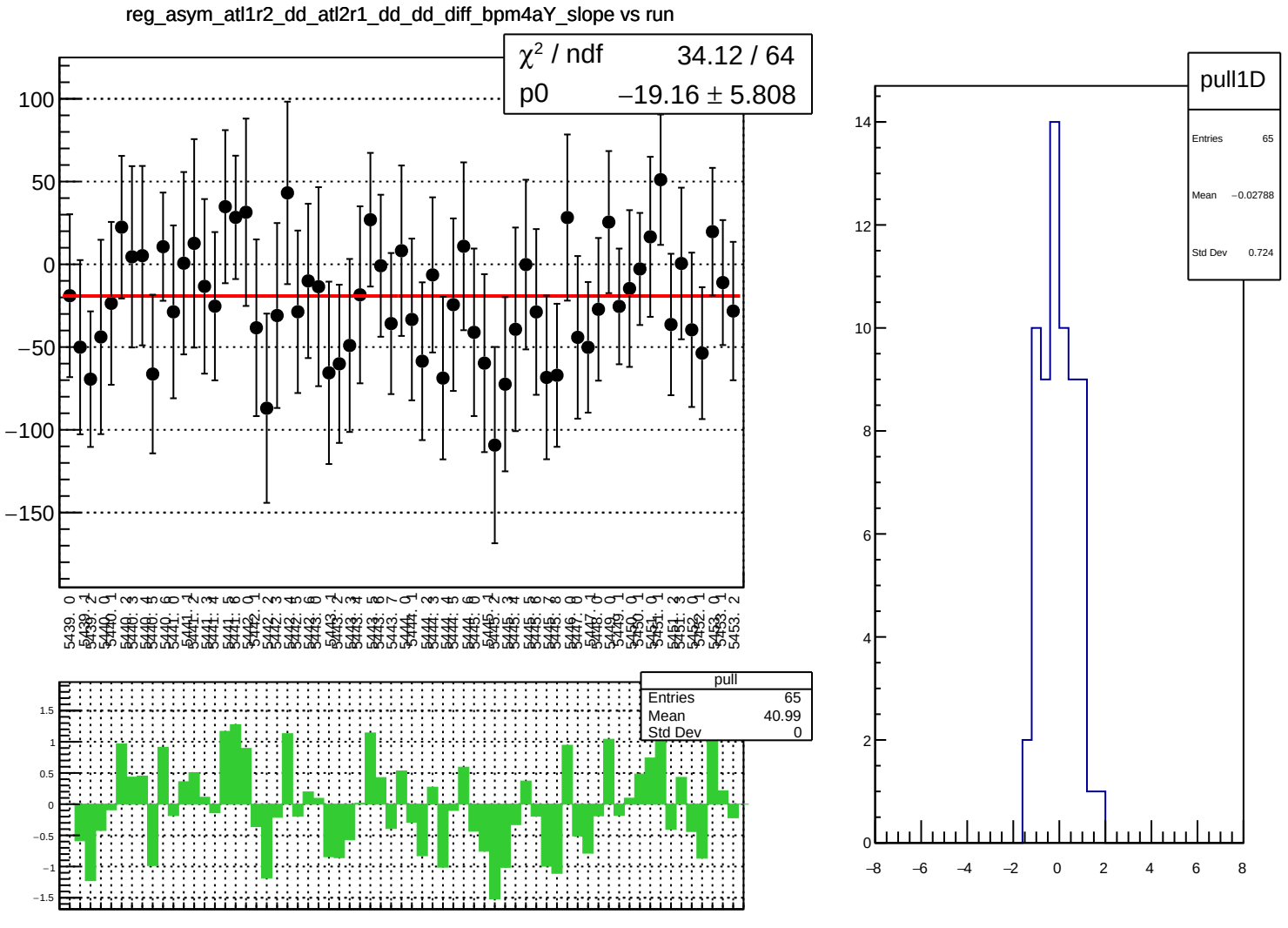

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.54 / 64
p0 −71.78 ± 7.397
pull
Entries 65
Mean 43.42
Std Dev 0
pull1D
Entries 65
Mean 0.03032
Std Dev 0.7283

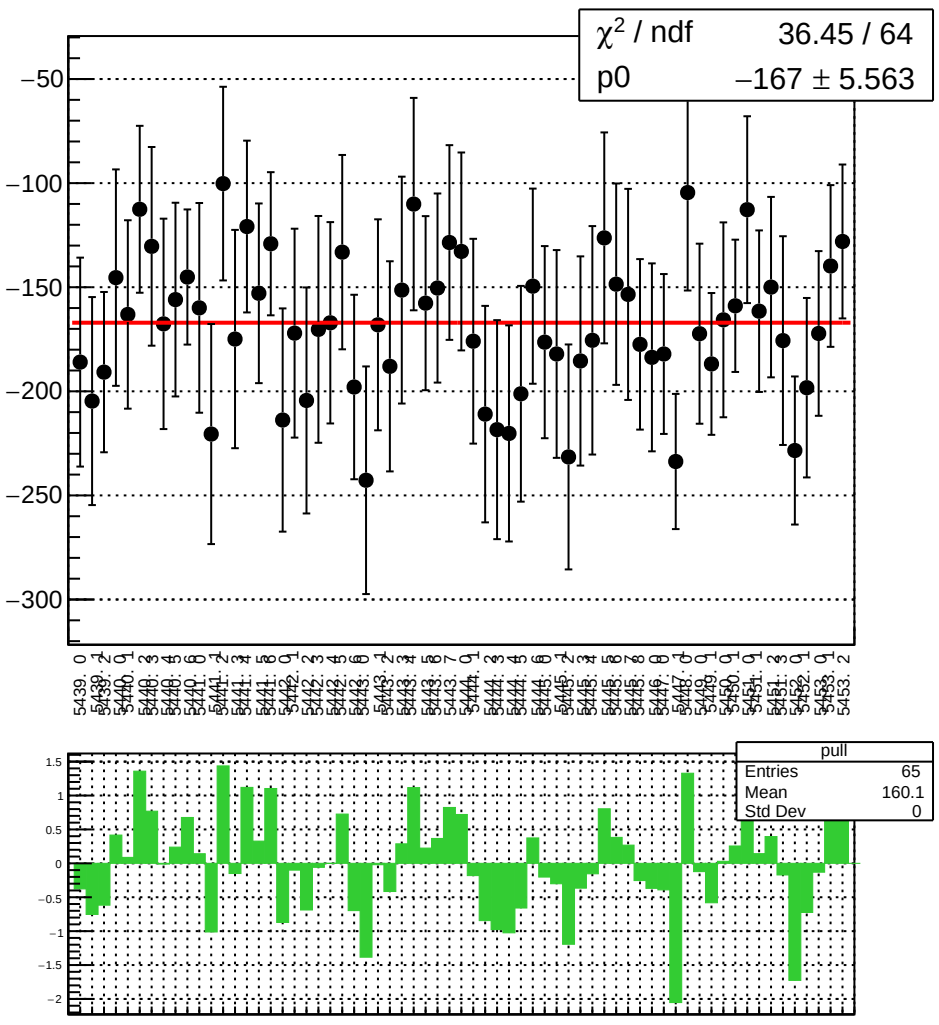

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 138.4 / 64
p0 176.1 ± 0.331
pull
Entries 65
Mean −82.48
Std Dev 0

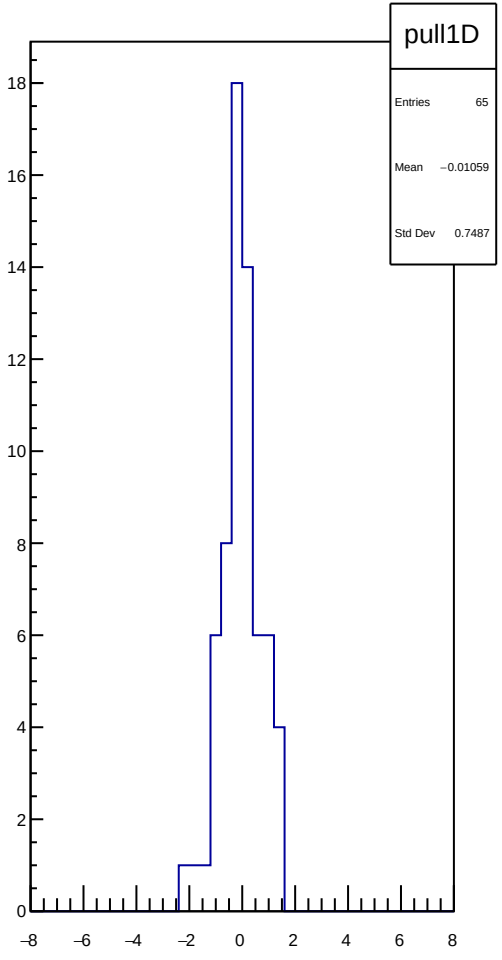

pull1D
Entries 65
Mean −0.07165
Std Dev 1.457

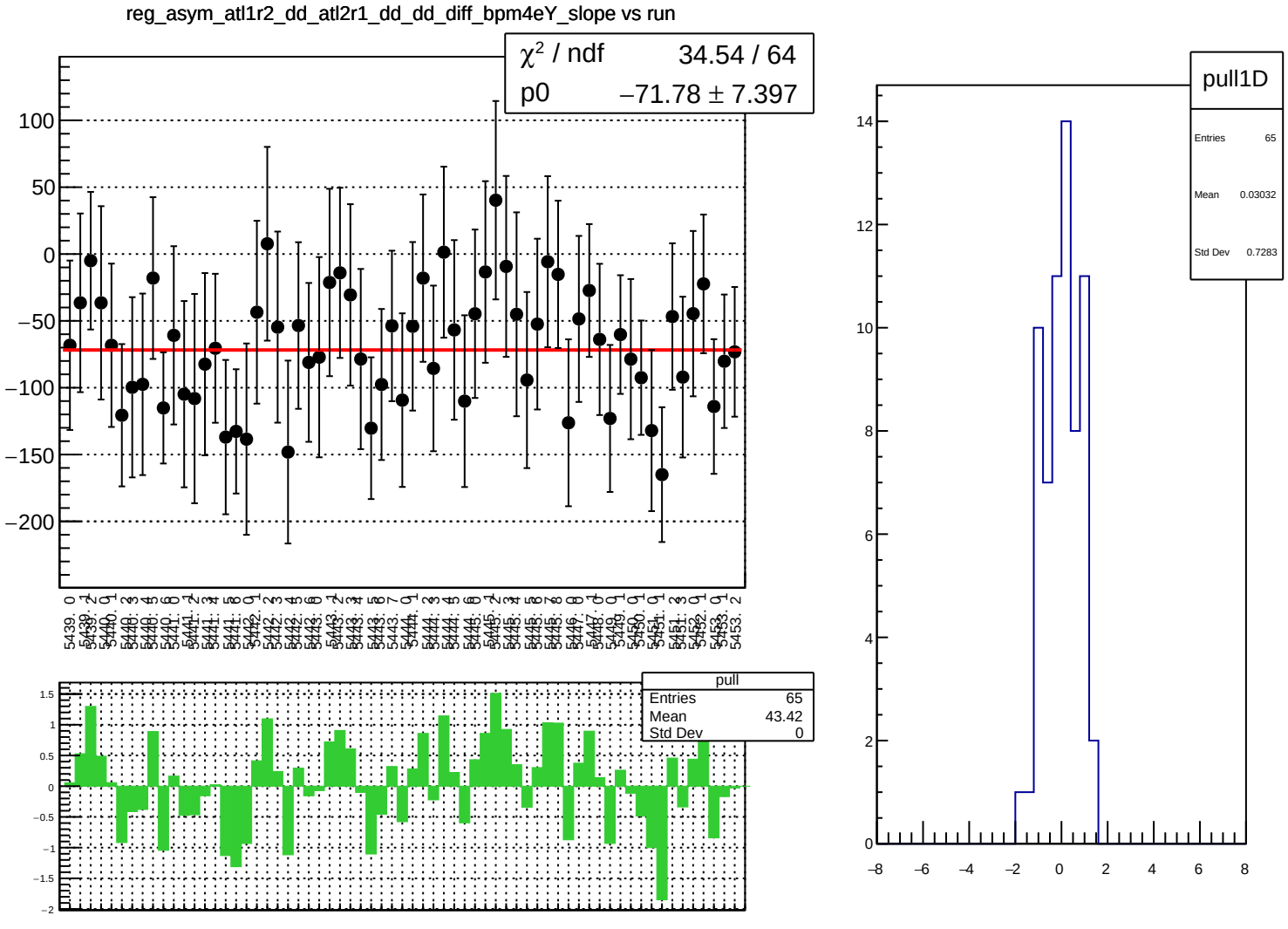

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 35.6 / 64
p0 206 ± 7.109
pull
Entries 65
Mean 183.6
Std Dev 0

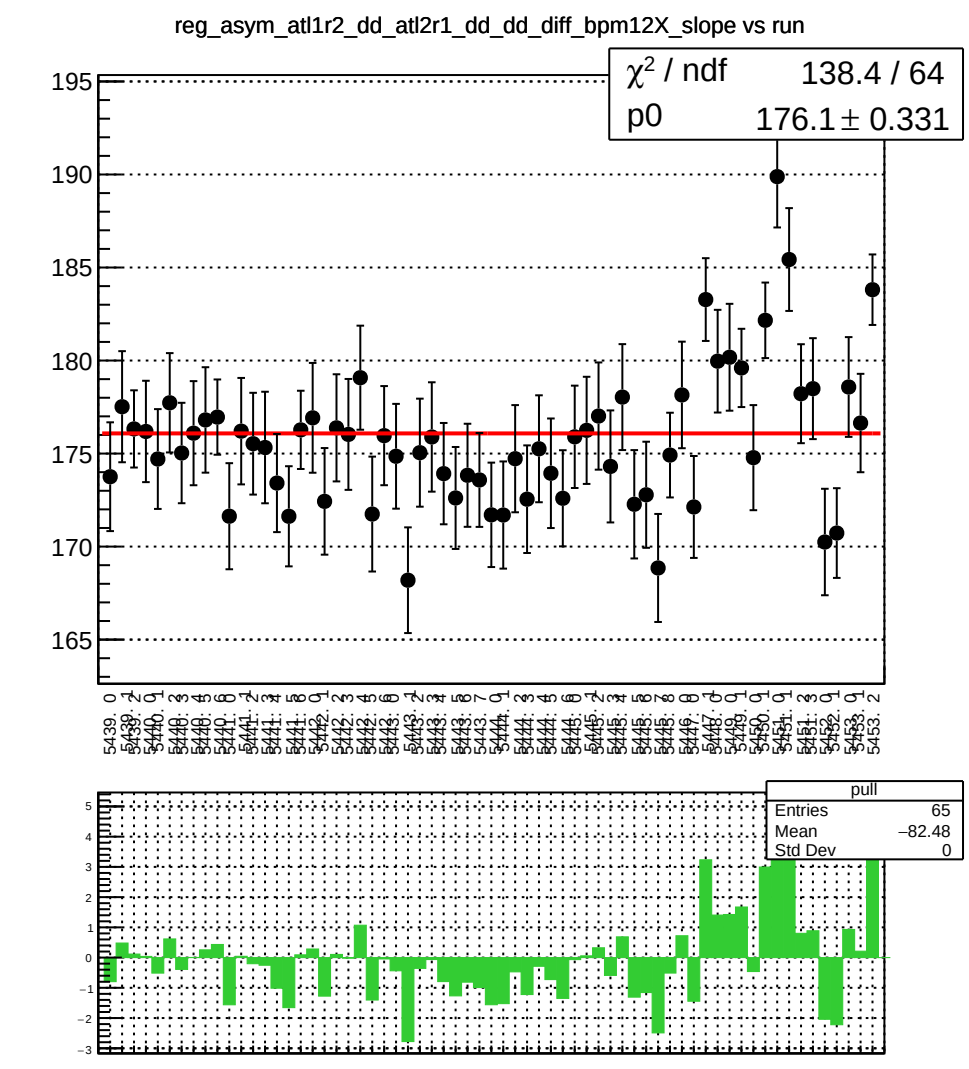

pull1D
Entries 65
Mean 0.009227
Std Dev 0.74

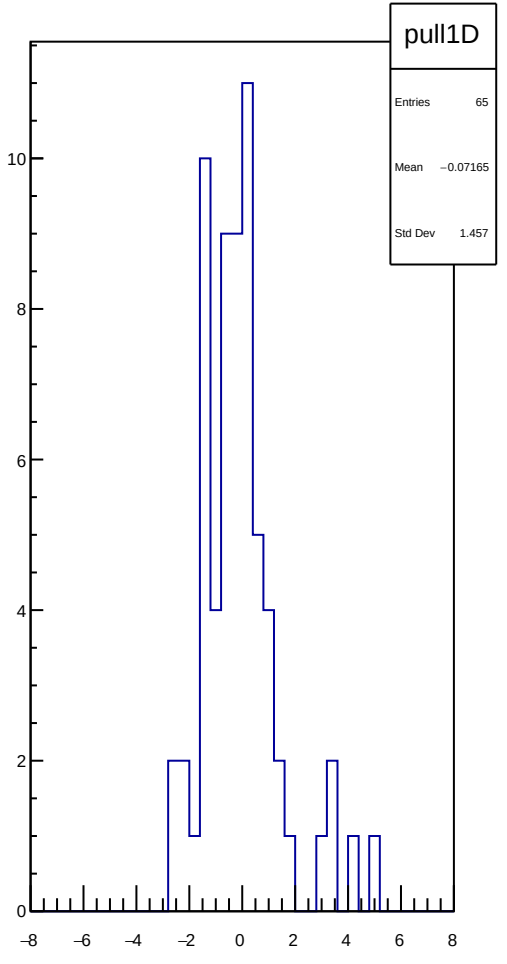

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.12 / 64
p0 −19.16 ± 5.808
pull
Entries 65
Mean 40.99
Std Dev 0
pull1D
Entries 65
Mean −0.02788
Std Dev 0.724

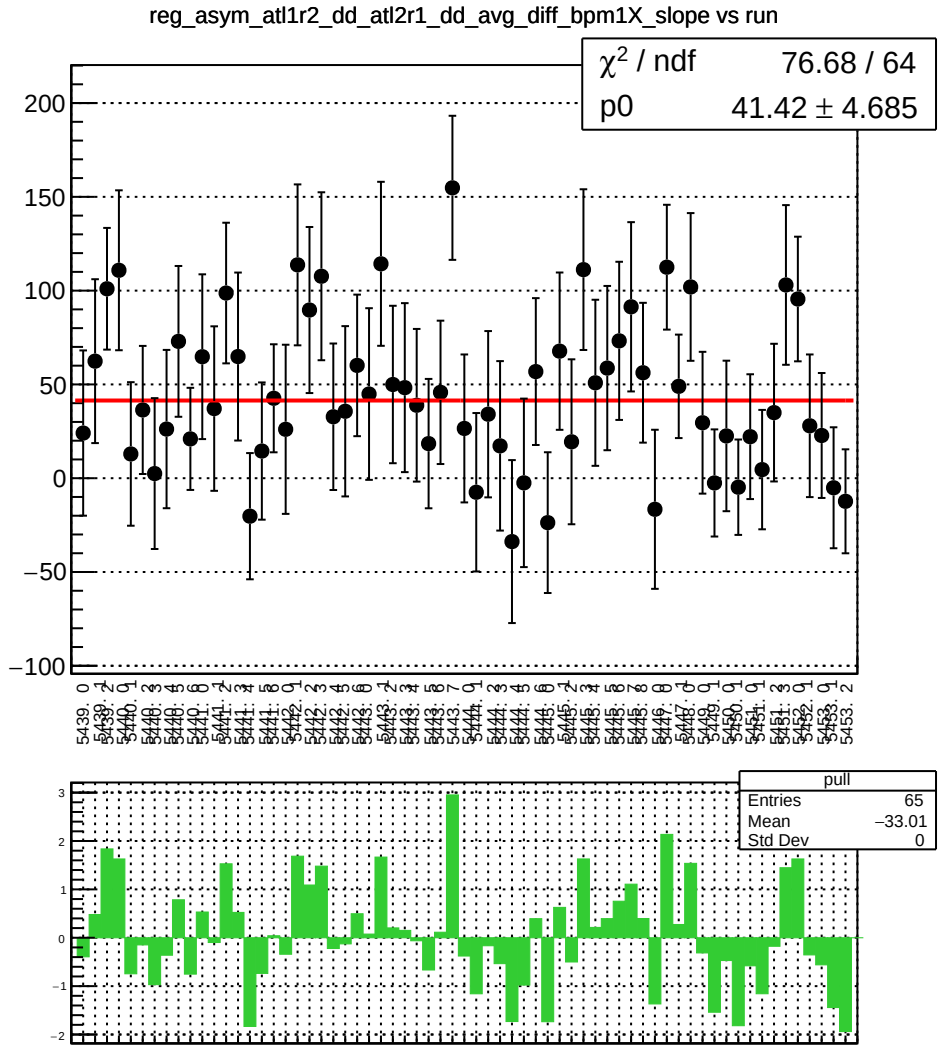

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.45 / 64
p0 −167 ± 5.563
pull
Entries 65
Mean 160.1
Std Dev 0

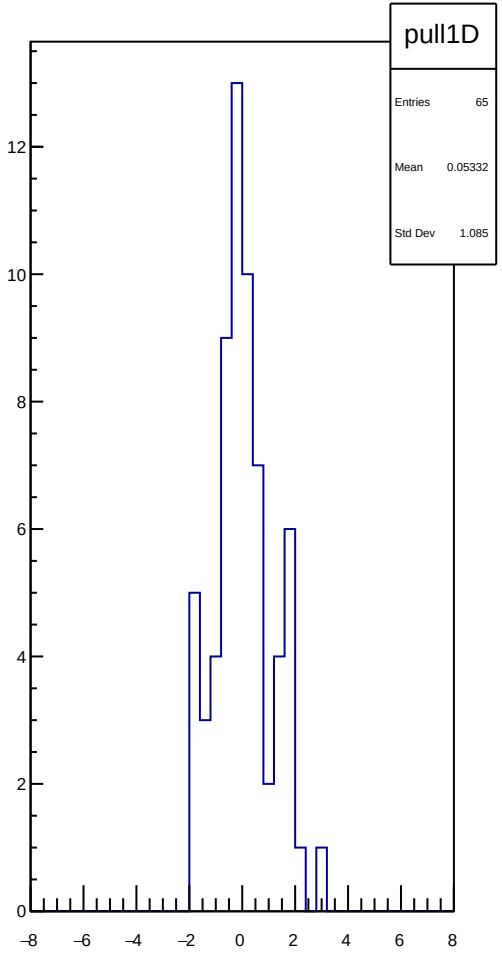

pull1D
Entries 65
Mean −0.01059
Std Dev 0.7487

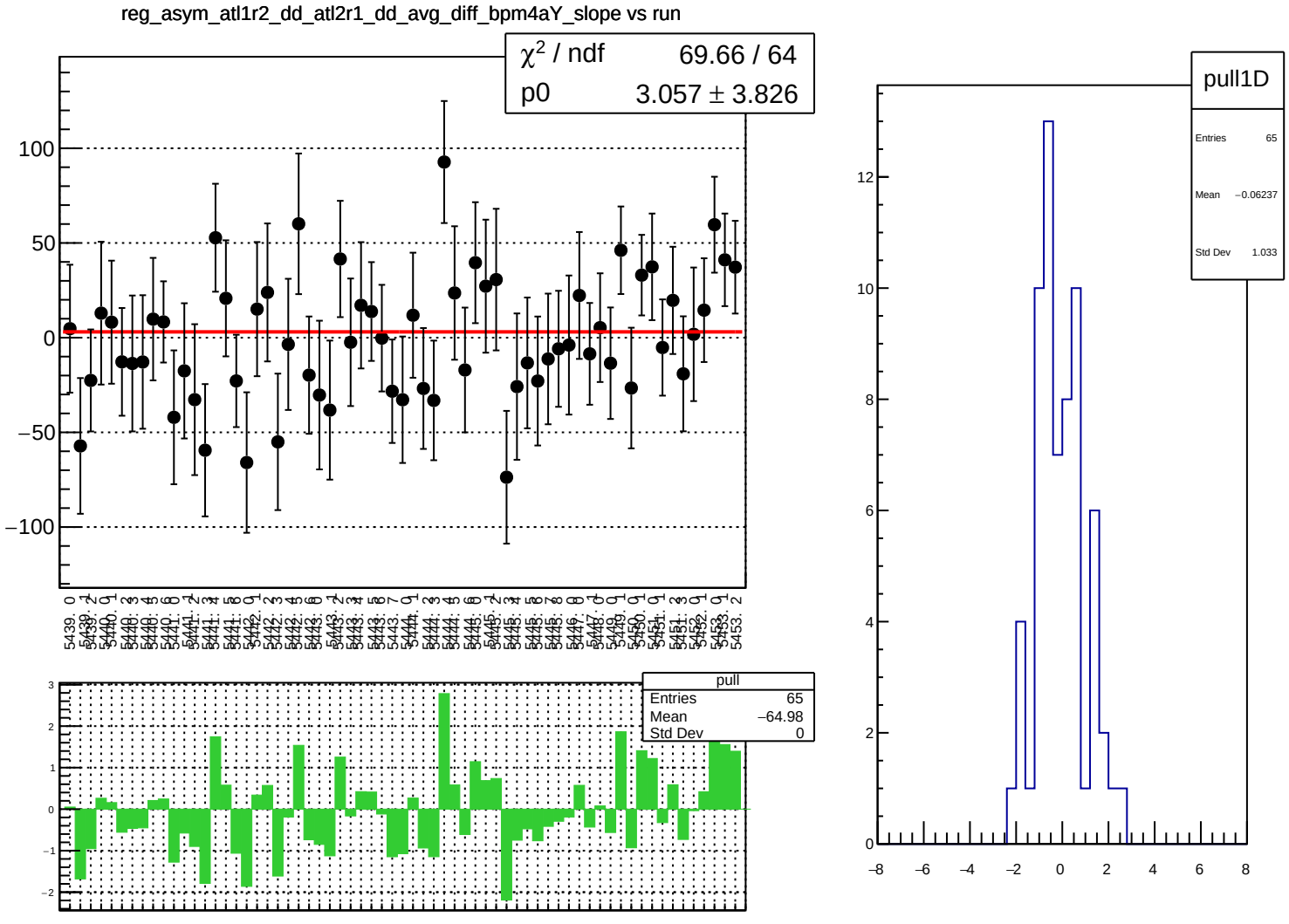

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.54 / 64
p0 −71.78 ± 7.397
pull
Entries 65
Mean 43.42
Std Dev 0
pull1D
Entries 65
Mean 0.03032
Std Dev 0.7283

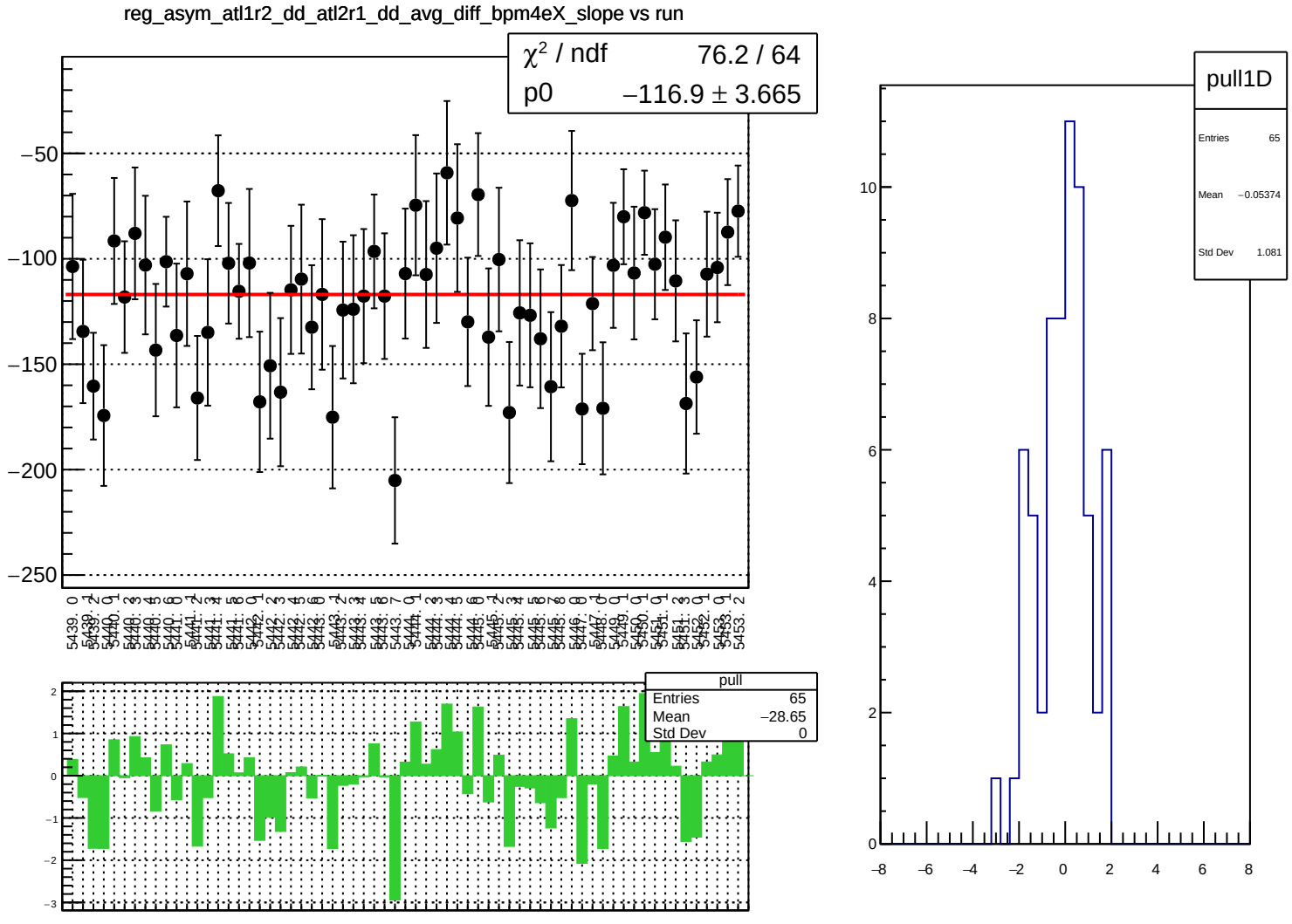

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 138.4 / 64
p0 176.1 ± 0.331
pull
Entries 65
Mean −82.48
Std Dev 0

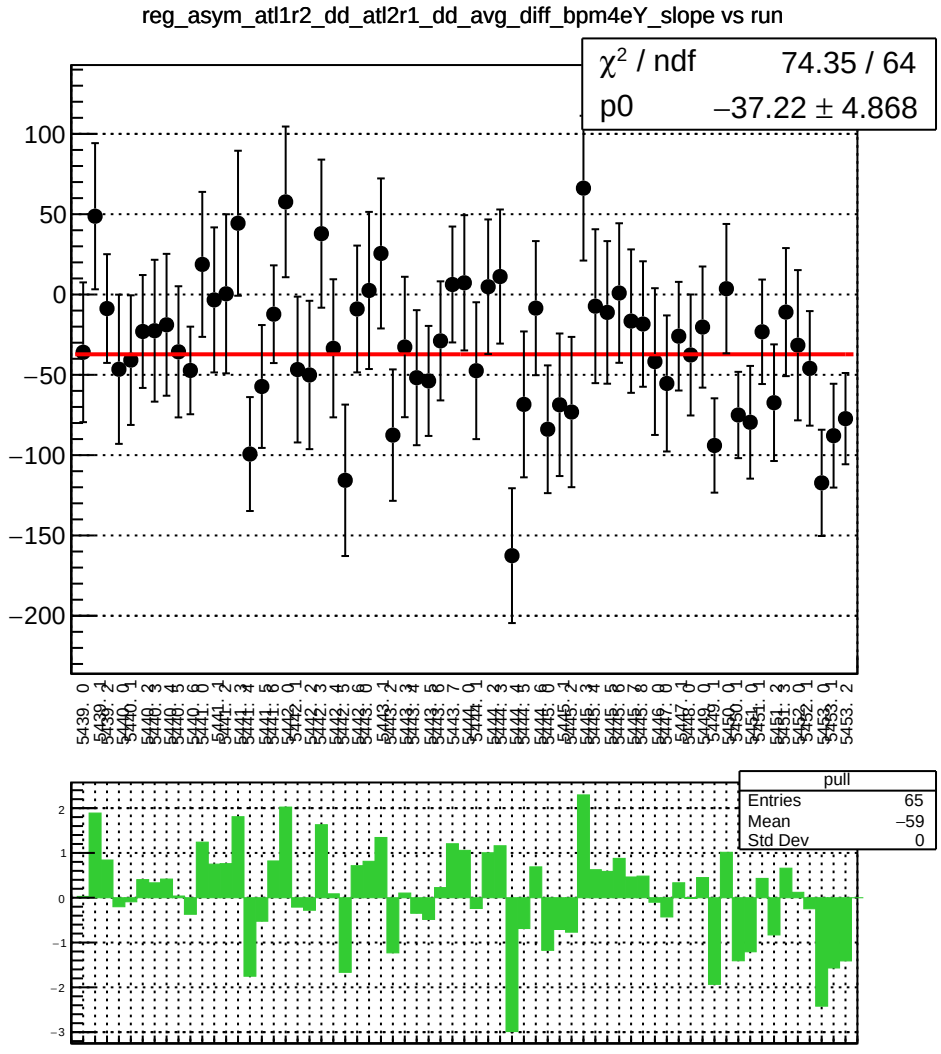

pull1D
Entries 65
Mean −0.07165
Std Dev 1.457

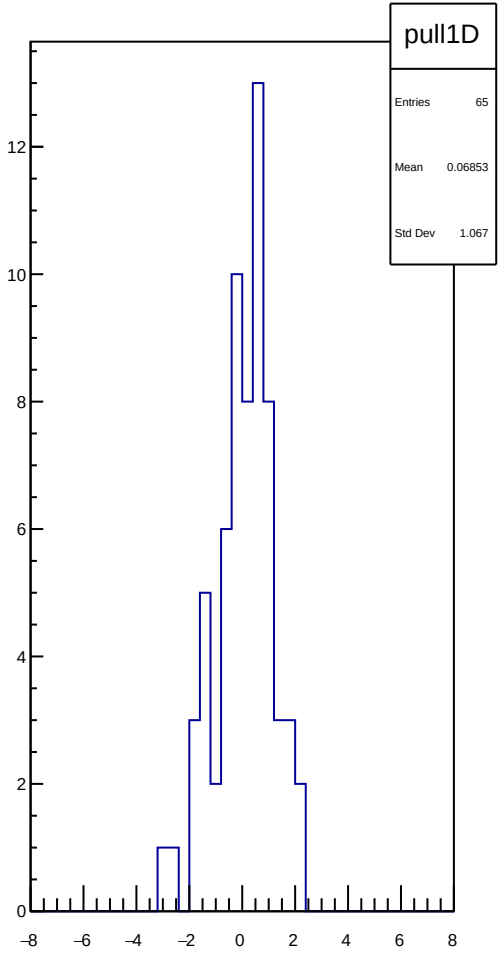

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 76.68 / 64
p0 41.42 ± 4.685
pull
Entries 65
Mean −33.01
Std Dev 0

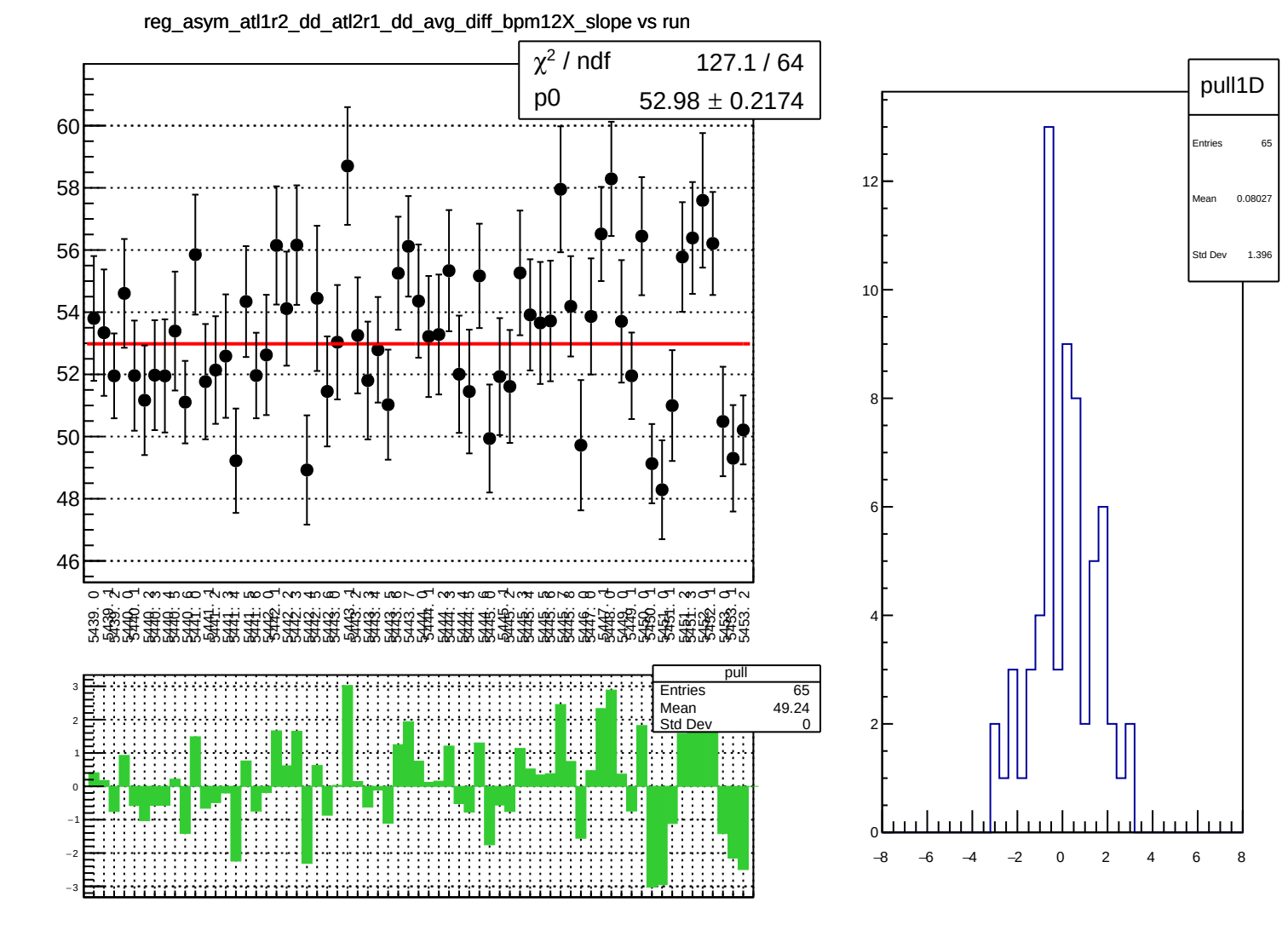

pull1D
Entries 65
Mean 0.05332
Std Dev 1.085

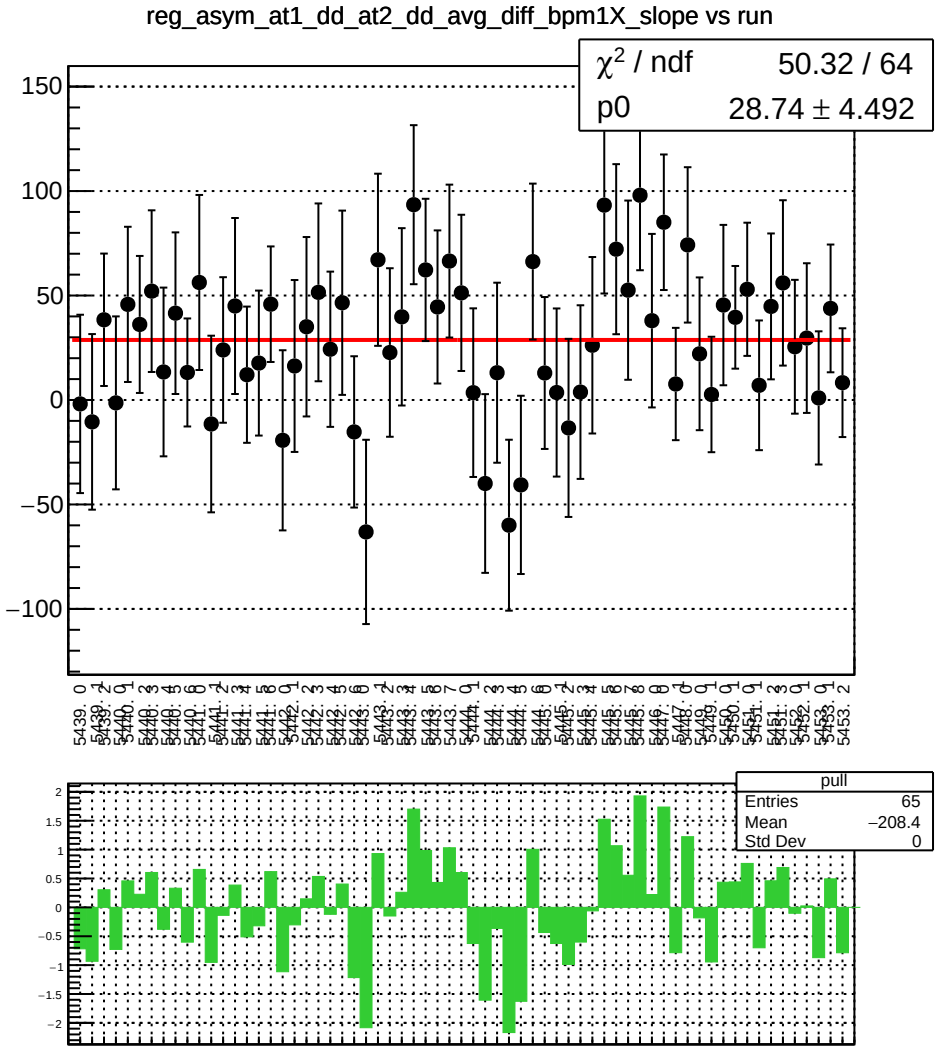

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 69.66 / 64
p0 3.057 ± 3.826
100
50
0
−50
−100
pull
Entries 65
Mean −64.98
Std Dev 0
pull1D
Entries 65
Mean −0.06237
Std Dev 1.033

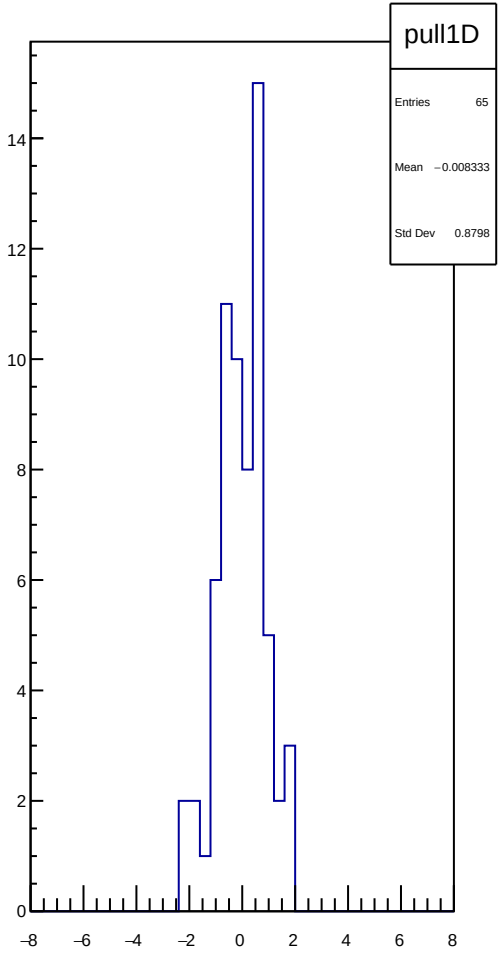

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.2 / 64
p0 −116.9 ± 3.665
pull
Entries 65
Mean −28.65
Std Dev 0
pull1D
Entries 65
Mean −0.05374
Std Dev 1.081

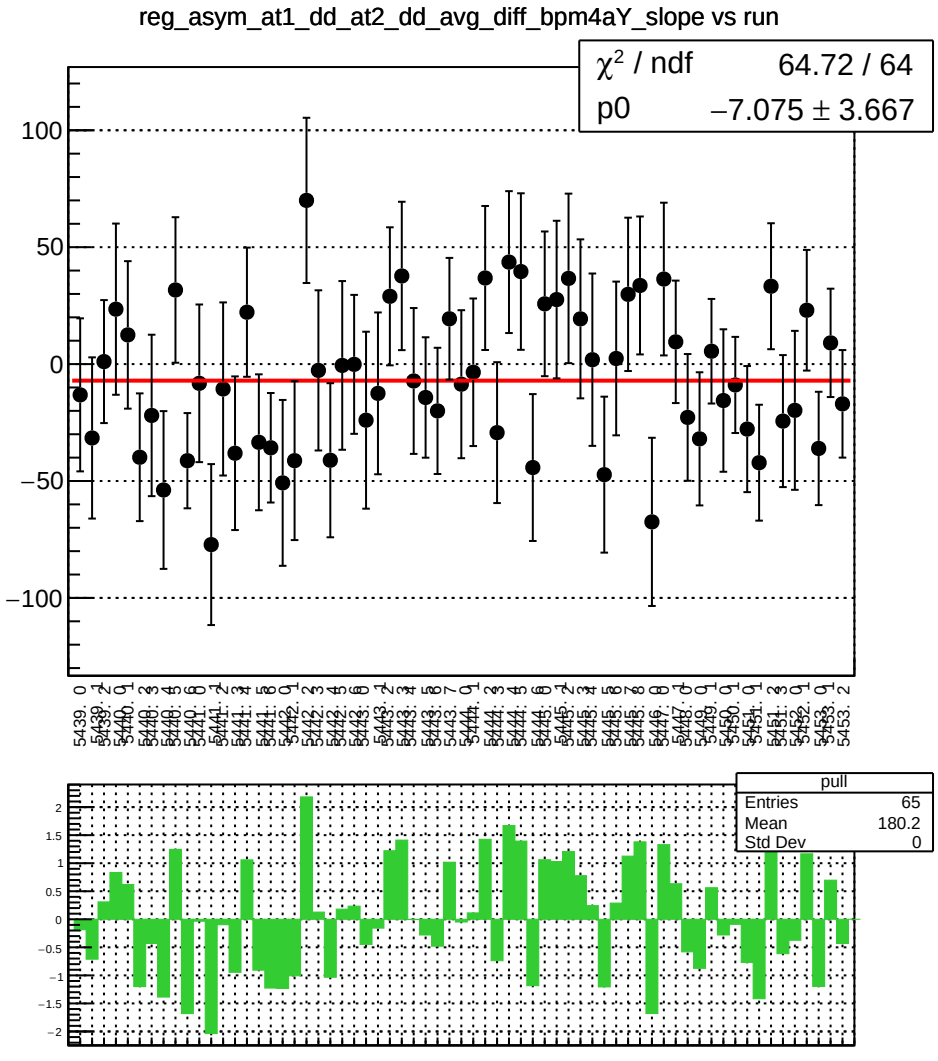

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.35 / 64
p0 −37.22 ± 4.868
pull
Entries 65
Mean −59
Std Dev 0

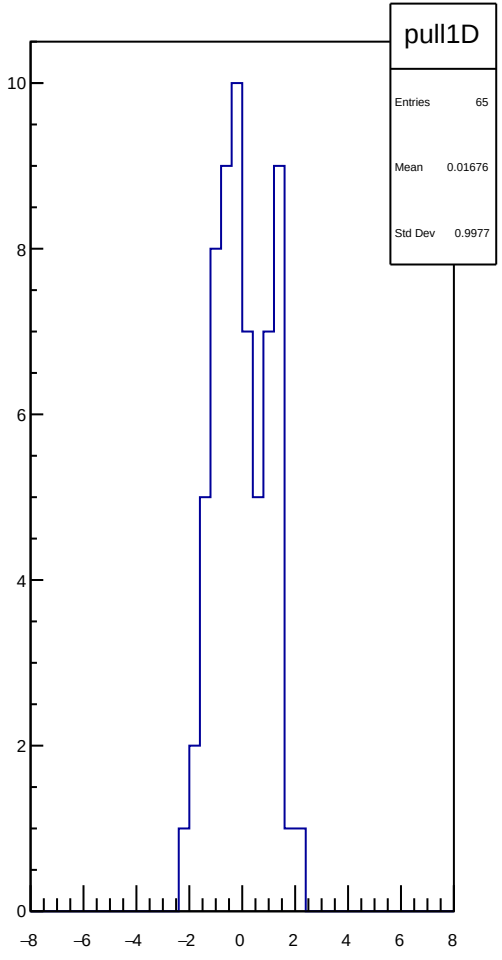

pull1D
Entries 65
Mean 0.06853
Std Dev 1.067

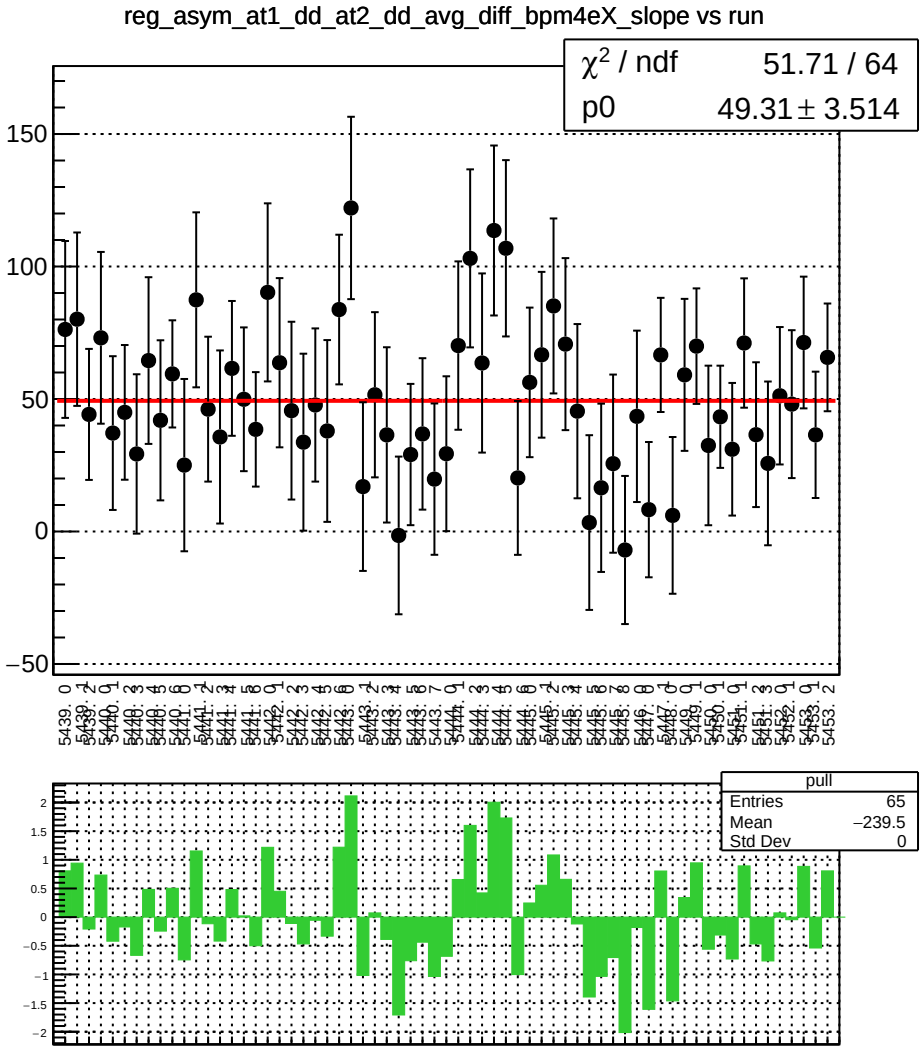

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 127.1 / 64
p0 52.98 ± 0.2174
pull
Entries 65
Mean 49.24
Std Dev 0
pull1D
Entries 65
Mean 0.08027
Std Dev 1.396

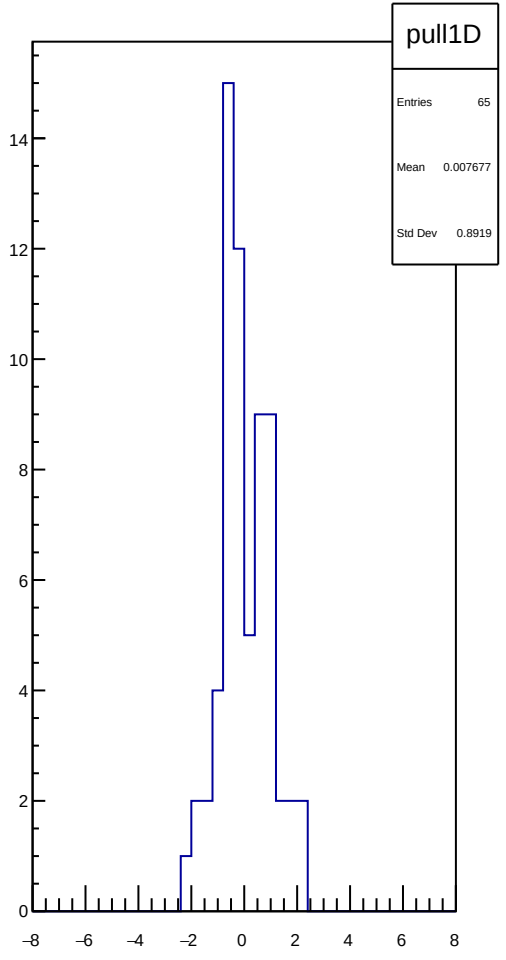

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 50.32 / 64
p0 28.74 ± 4.492
150
100
50
0
−50
−100
pull
Entries 65
Mean −208.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

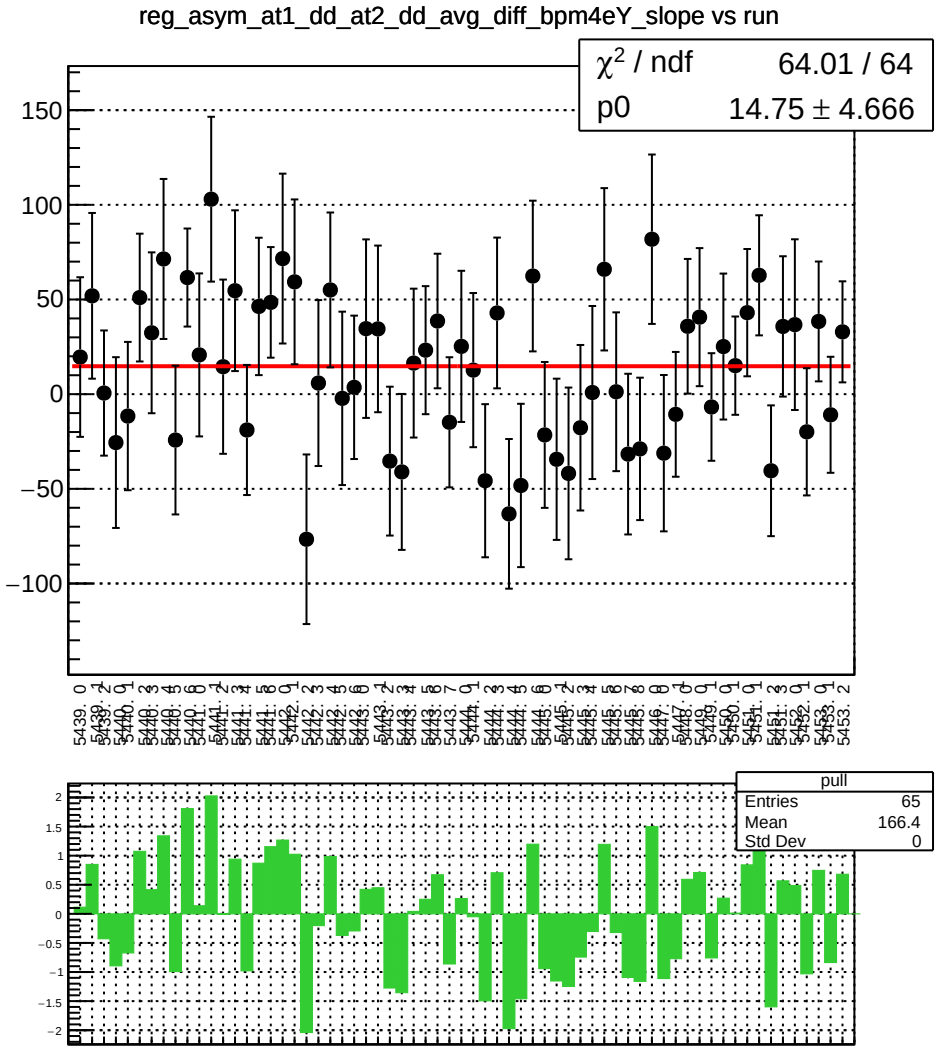

pull1D
Entries 65
Mean −0.008333
Std Dev 0.8798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

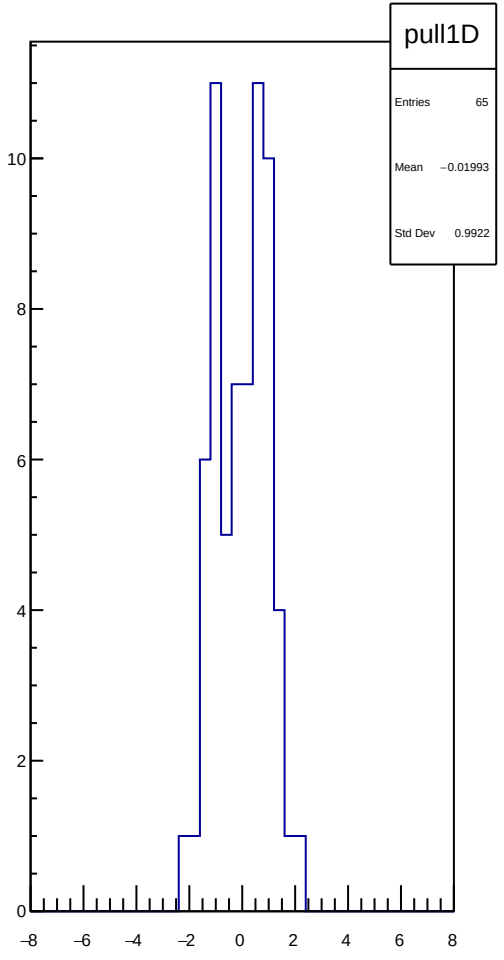

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.72 / 64
p0 −7.075 ± 3.667
100
50
0
−50
−100
pull
Entries 65
Mean 180.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

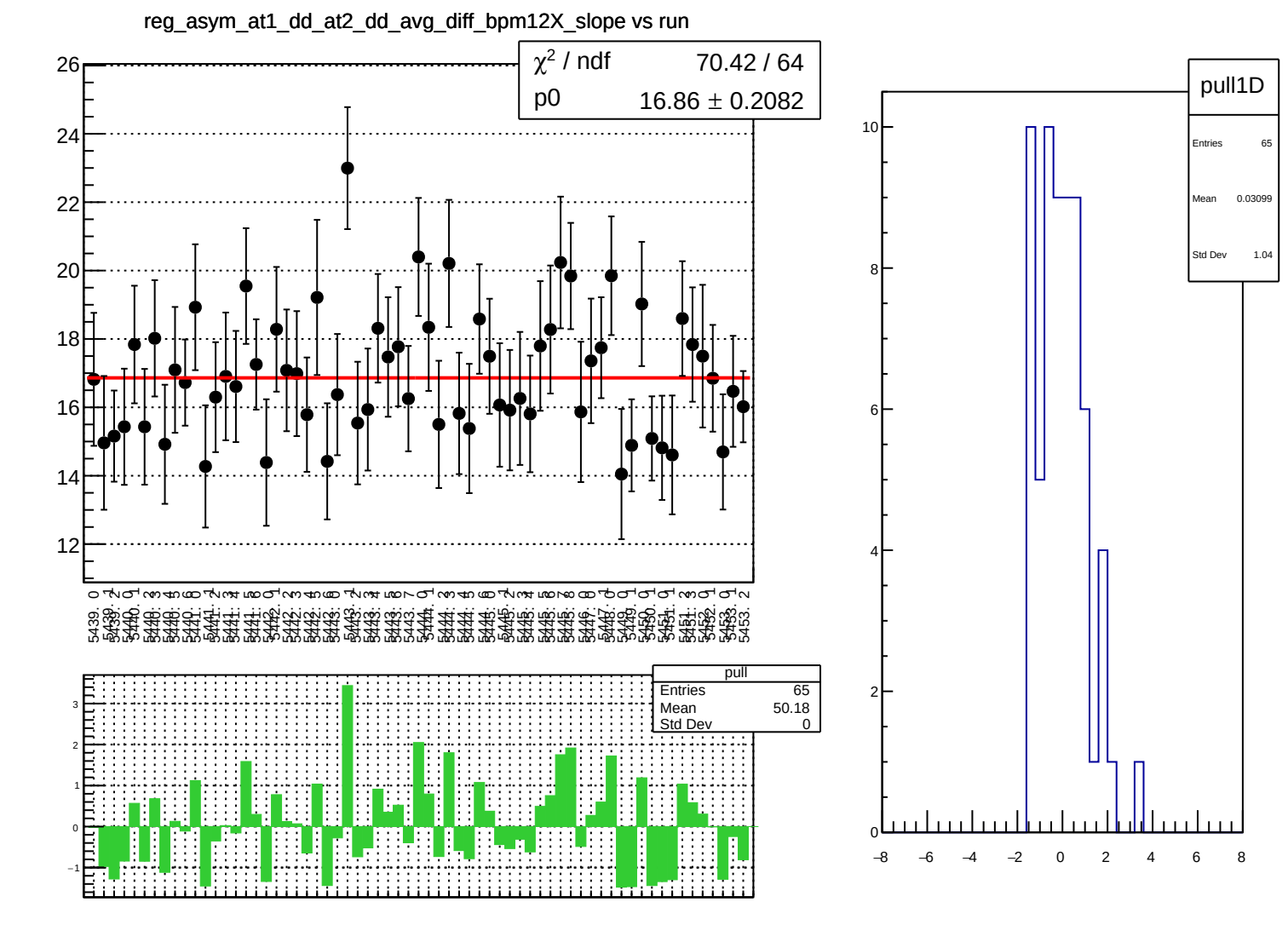

pull1D
Entries 65
Mean 0.01676
Std Dev 0.9977
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

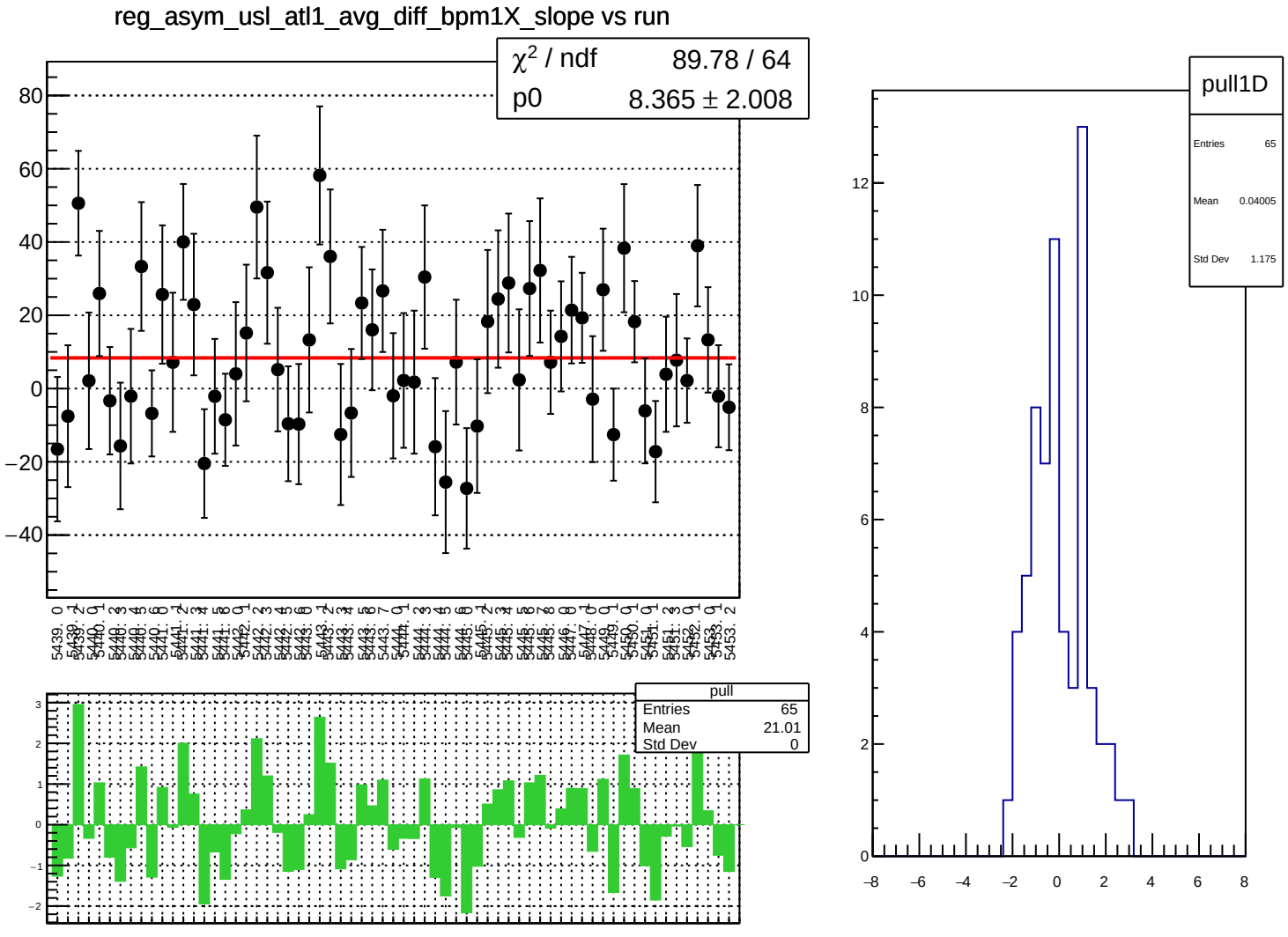

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.71 / 64
p0 49.31 ± 3.514
150
100
50
0
−50
pull
Entries 65
Mean −239.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

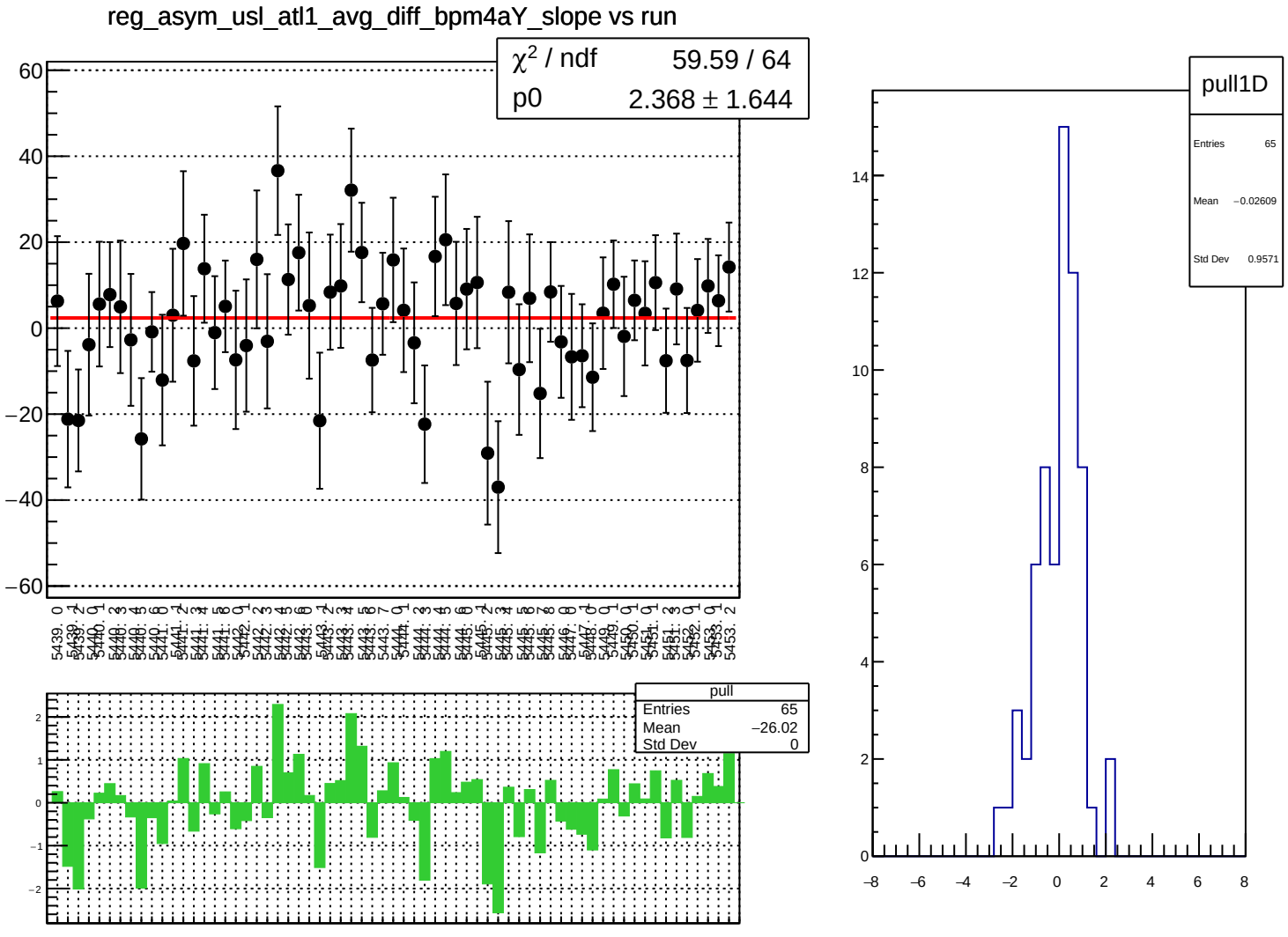

pull1D
Entries 65
Mean 0.007677
Std Dev 0.8919
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

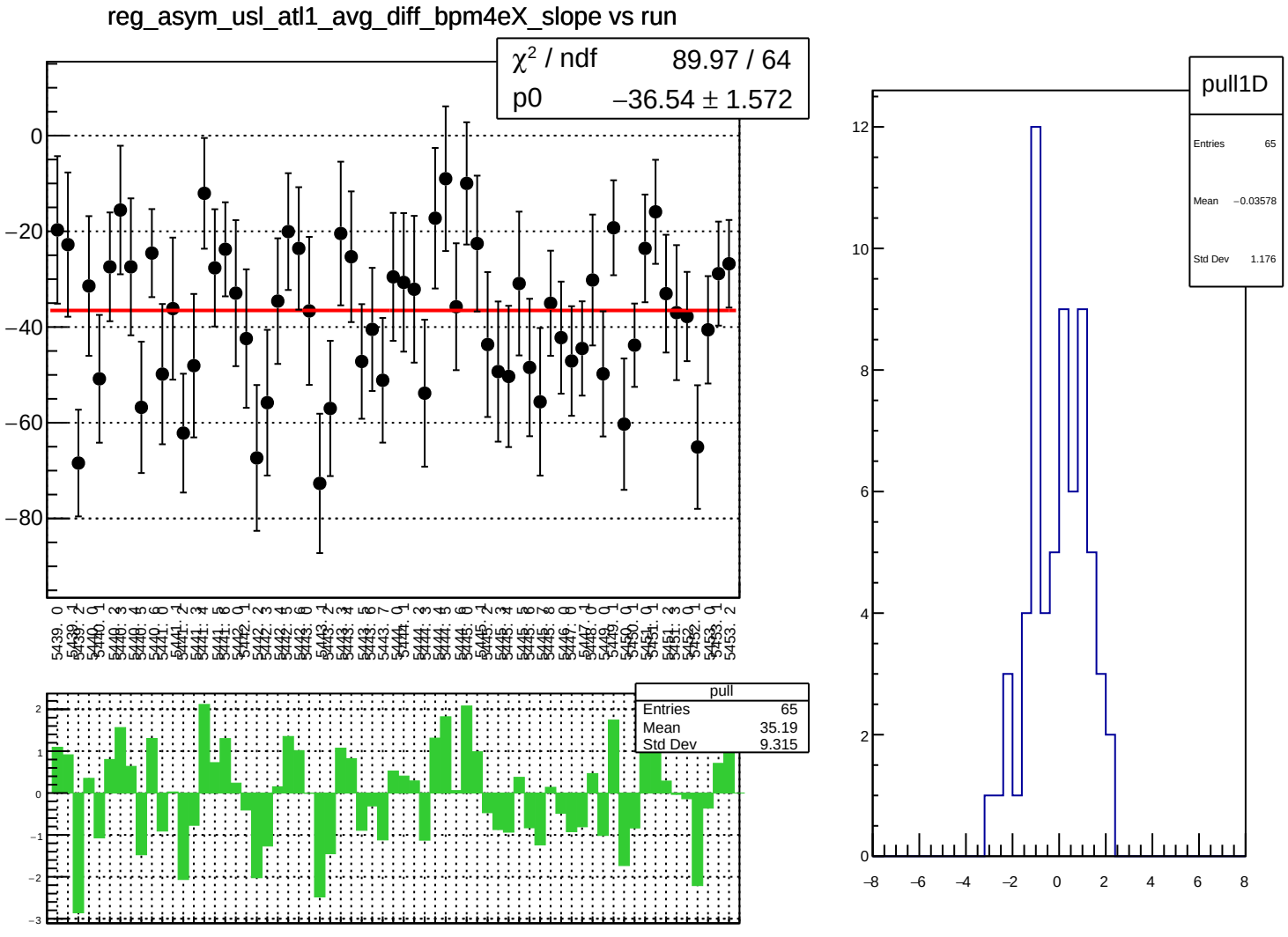

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 64.01 / 64
p0 14.75 ± 4.666
150
100
50
0
−50
−100
pull
Entries 65
Mean 166.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

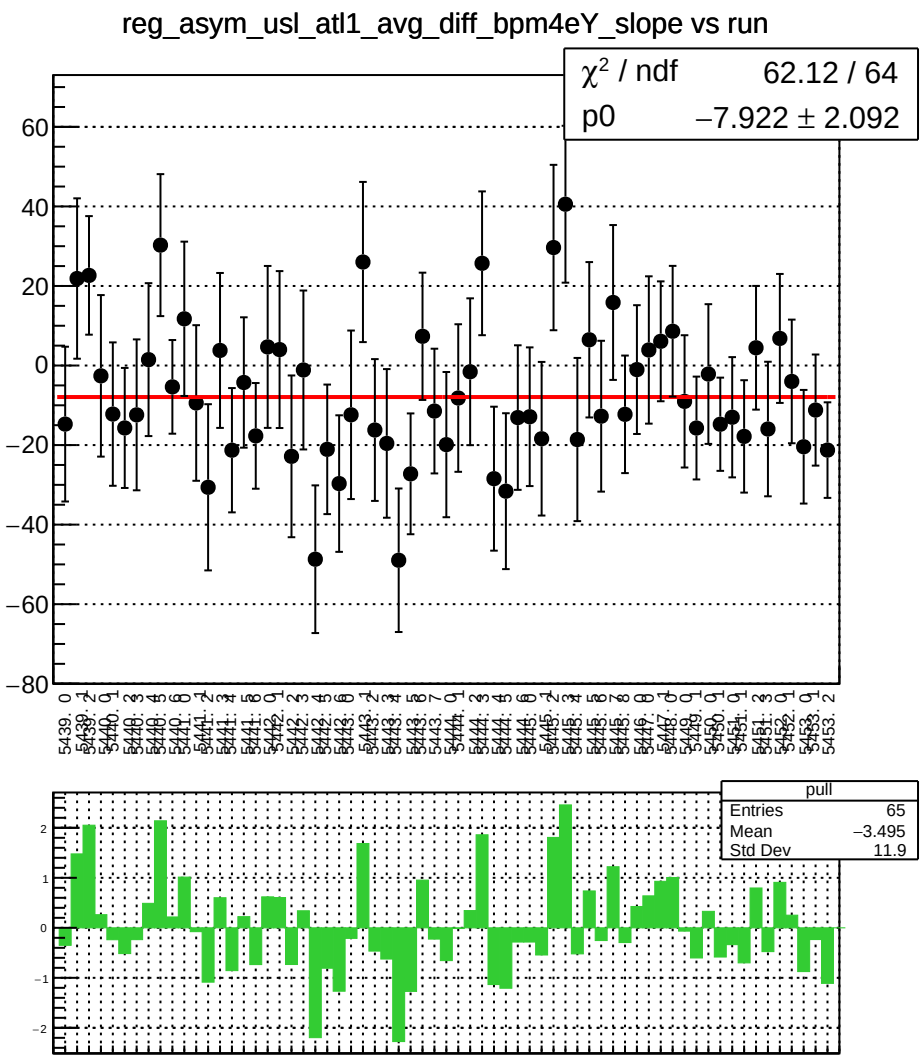

pull1D
Entries 65
Mean −0.01993
Std Dev 0.9922
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

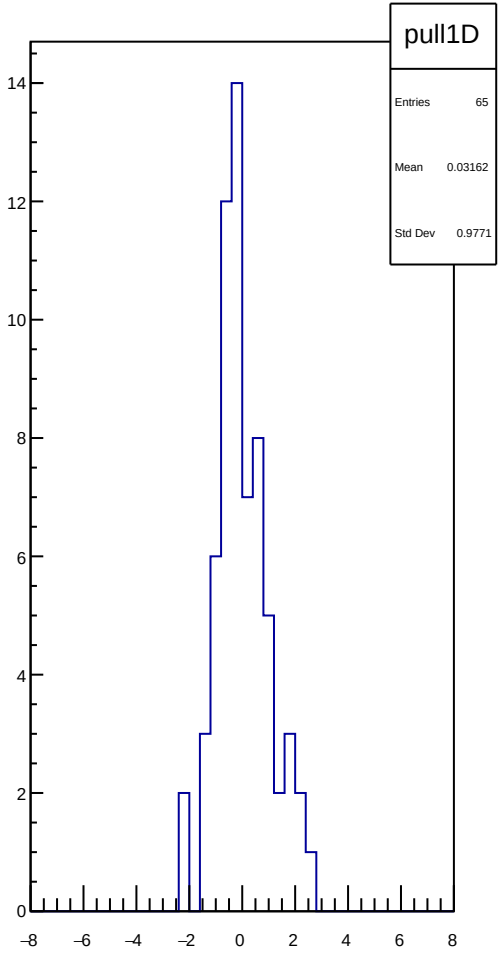

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 70.42 / 64
p0 16.86 ± 0.2082
pull
Entries 65
Mean 50.18
Std Dev 0
pull1D
Entries 65
Mean 0.03099
Std Dev 1.04

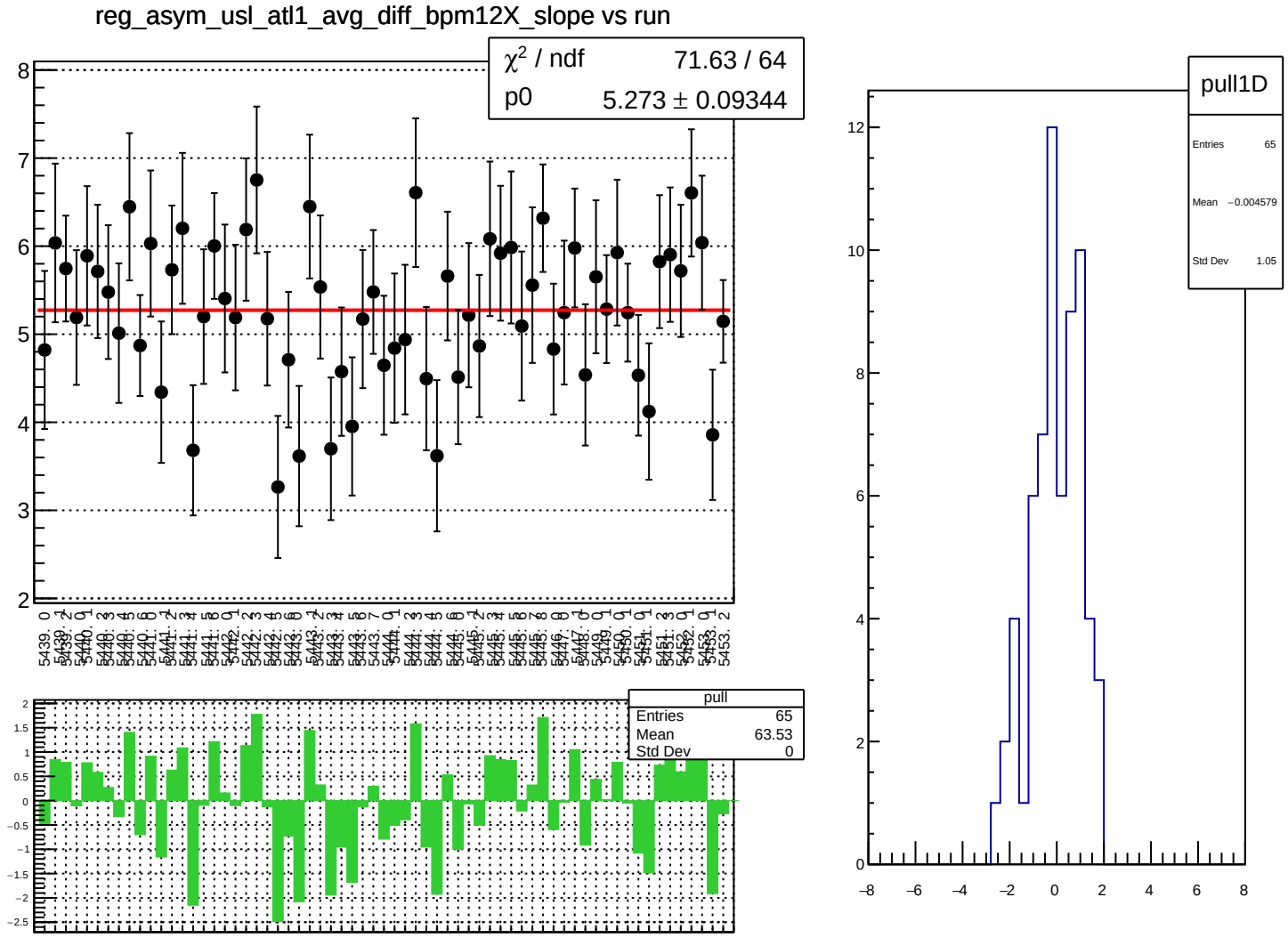

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 89.78 / 64
p0 8.365 ± 2.008
pull
Entries 65
Mean 21.01
Std Dev 0
pull1D
Entries 65
Mean 0.04005
Std Dev 1.175

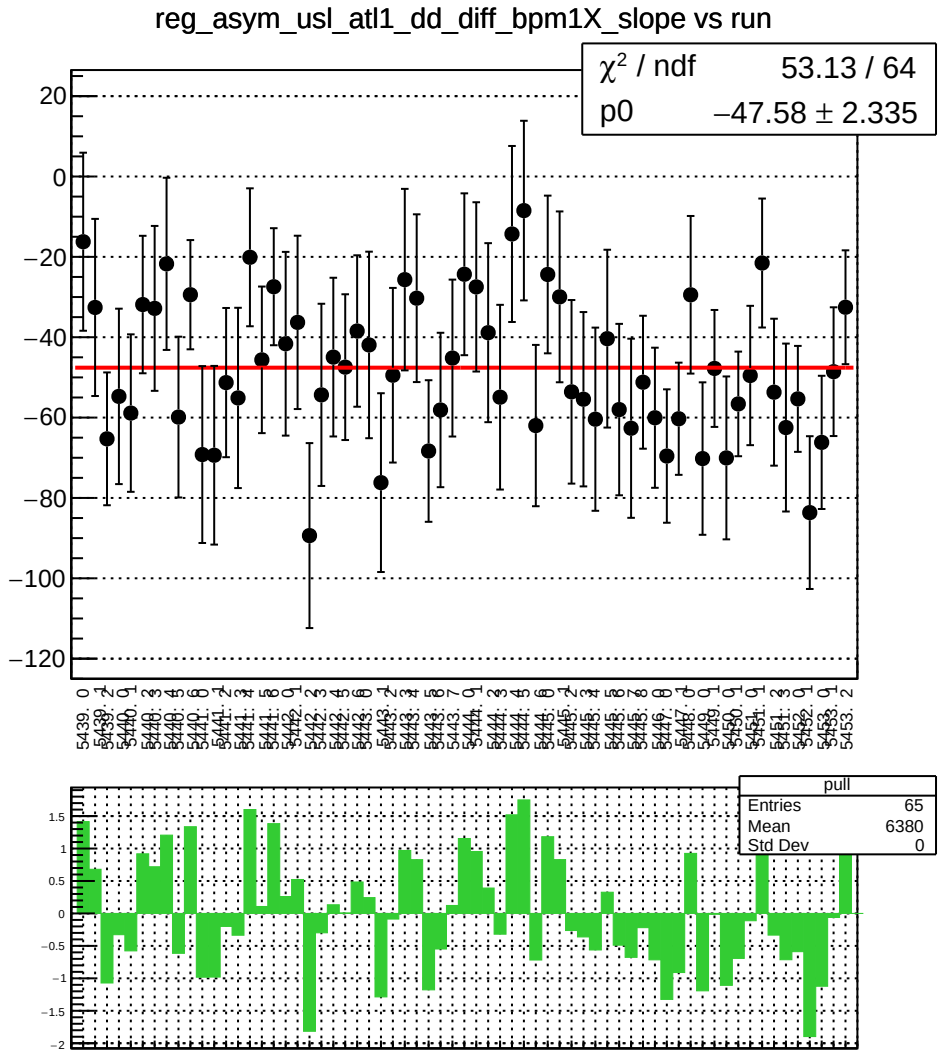

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 59.59 / 64
p0 2.368 ± 1.644
pull
Entries 65
Mean −26.02
Std Dev 0
pull1D
Entries 65
Mean −0.02609
Std Dev 0.9571

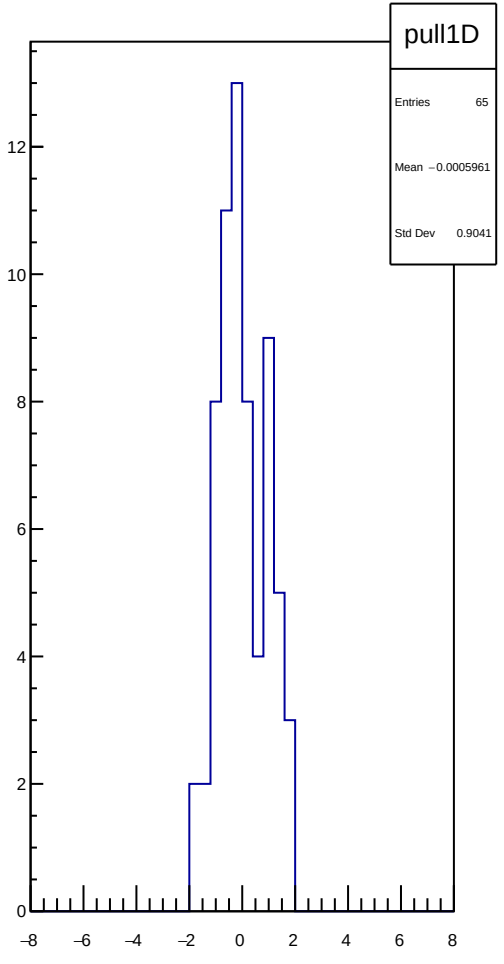

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.97 / 64
p0 −36.54 ± 1.572
pull
Entries 65
Mean 35.19
Std Dev 9.315
pull1D
Entries 65
Mean −0.03578
Std Dev 1.176

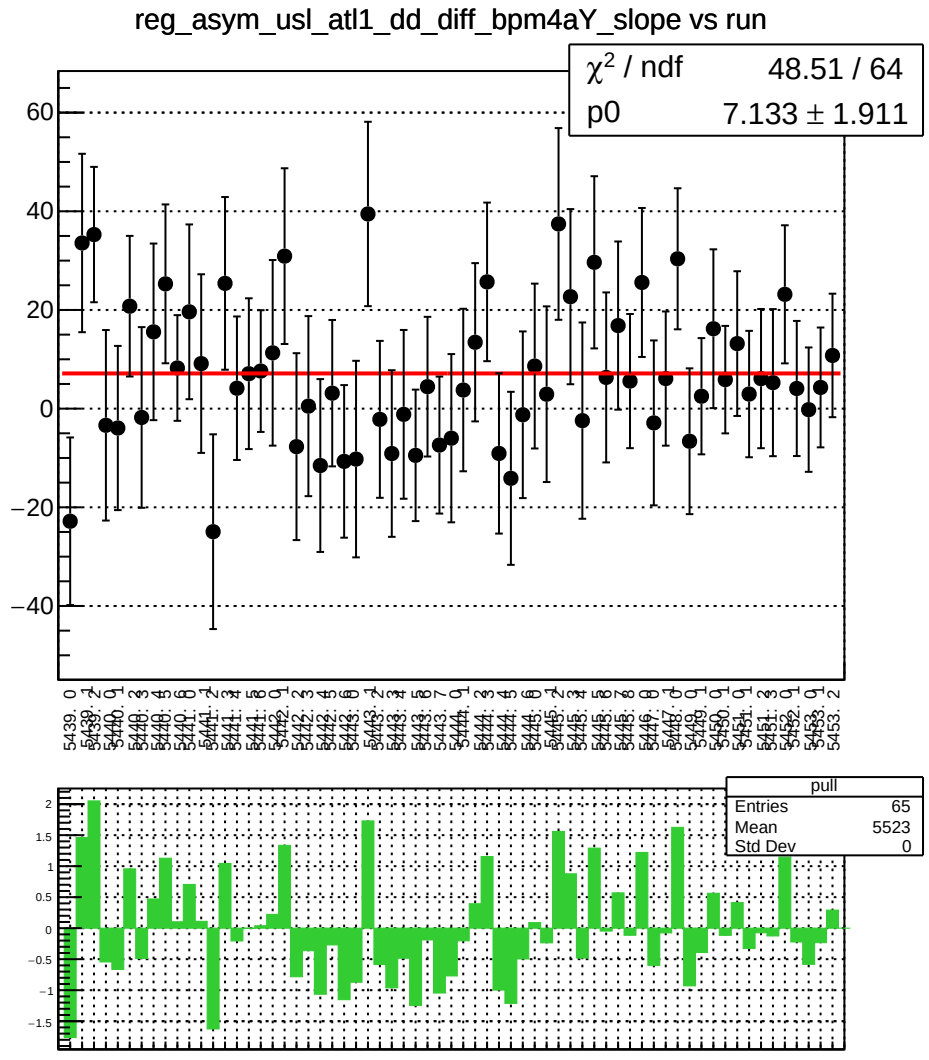

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.12 / 64
p0 −7.922 ± 2.092
pull
Entries 65
Mean −3.495
Std Dev 11.9

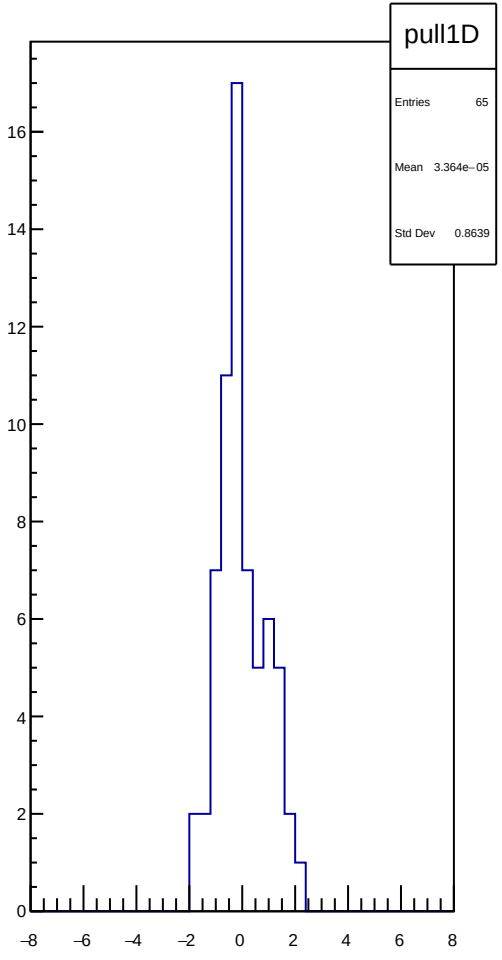

pull1D
Entries 65
Mean 0.03162
Std Dev 0.9771

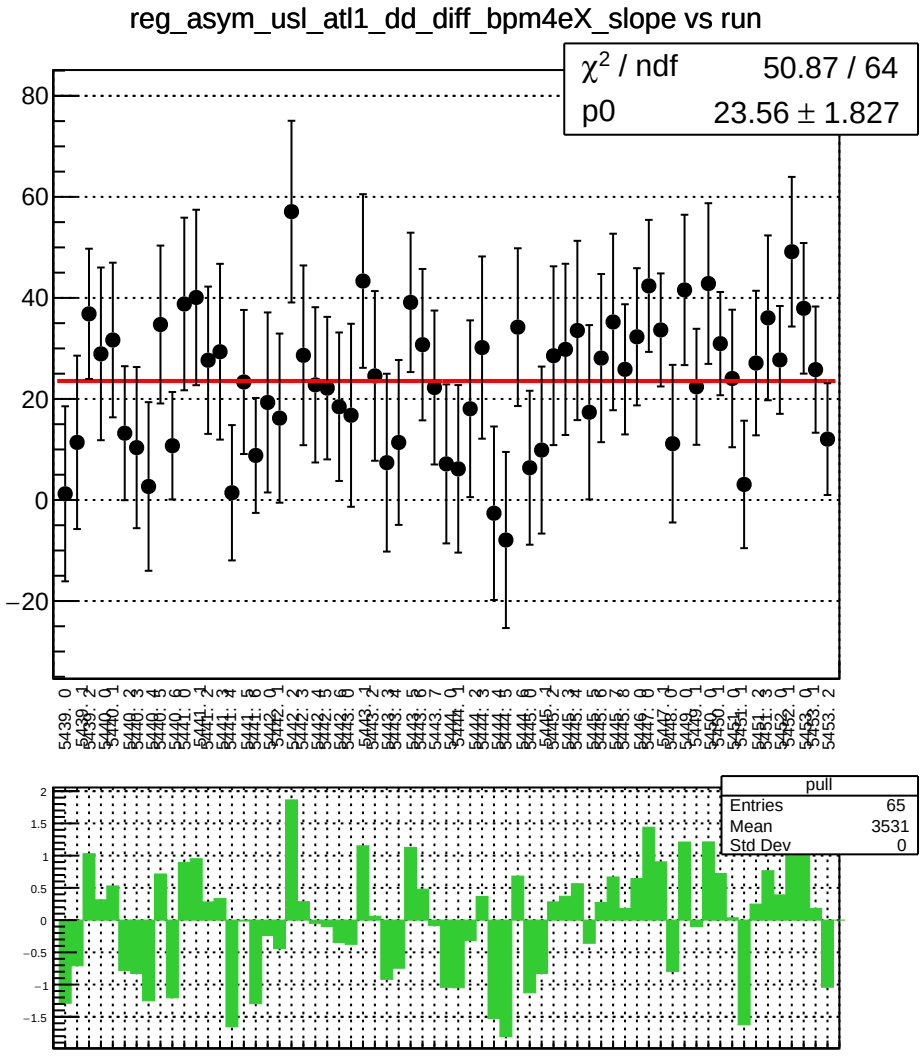

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 71.63 / 64
p0 5.273 ± 0.09344
pull
Entries 65
Mean 63.53
Std Dev 0
pull1D
Entries 65
Mean −0.004579
Std Dev 1.05

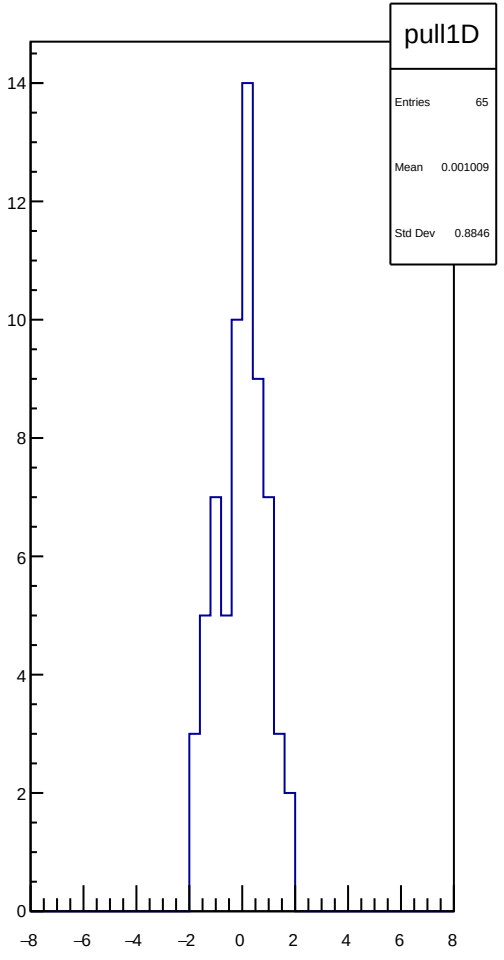

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 53.13 / 64
p0 −47.58 ± 2.335
pull
Entries 65
Mean 6380
Std Dev 0

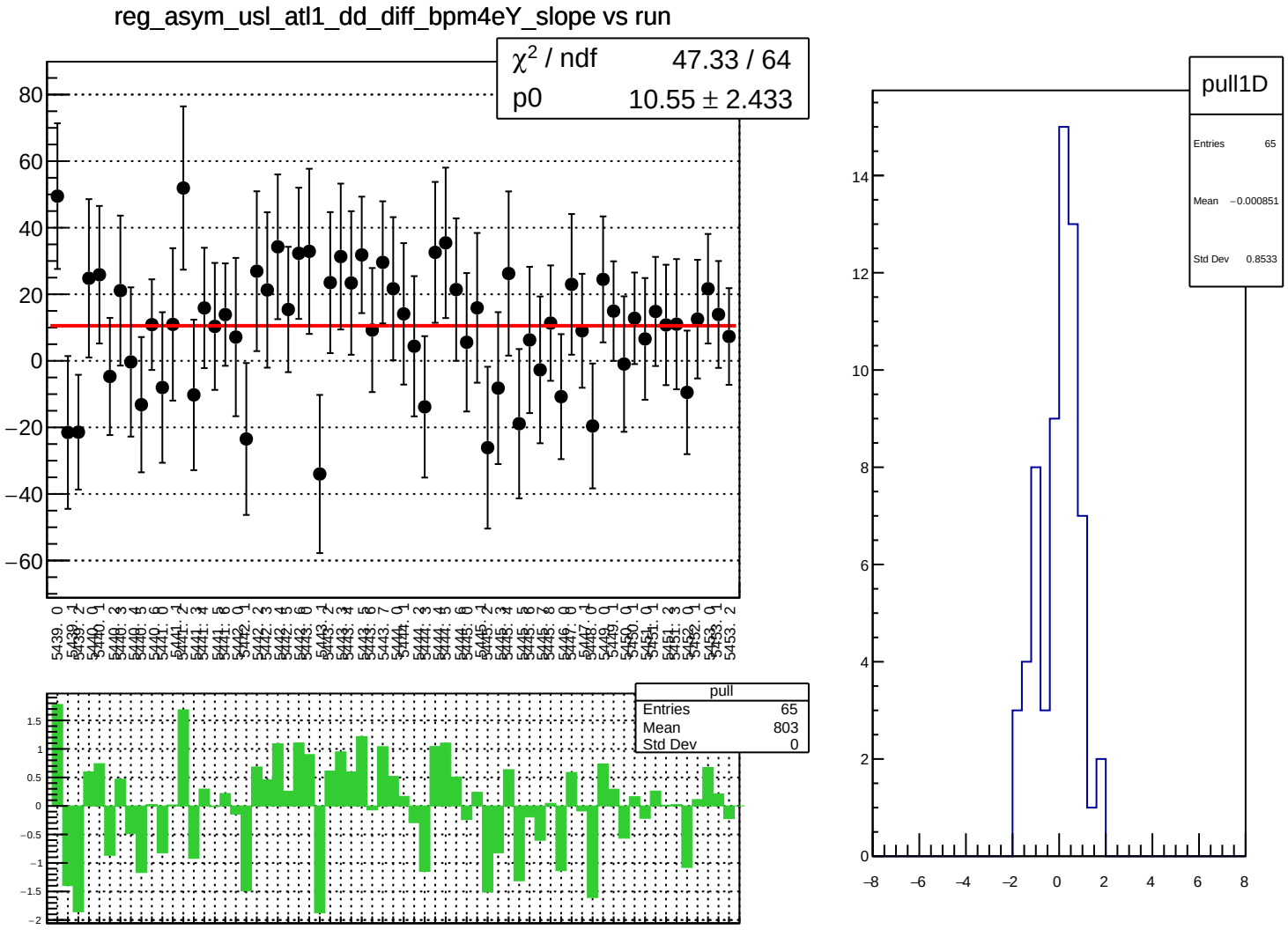

pull1D
Entries 65
Mean −0.0005961
Std Dev 0.9041

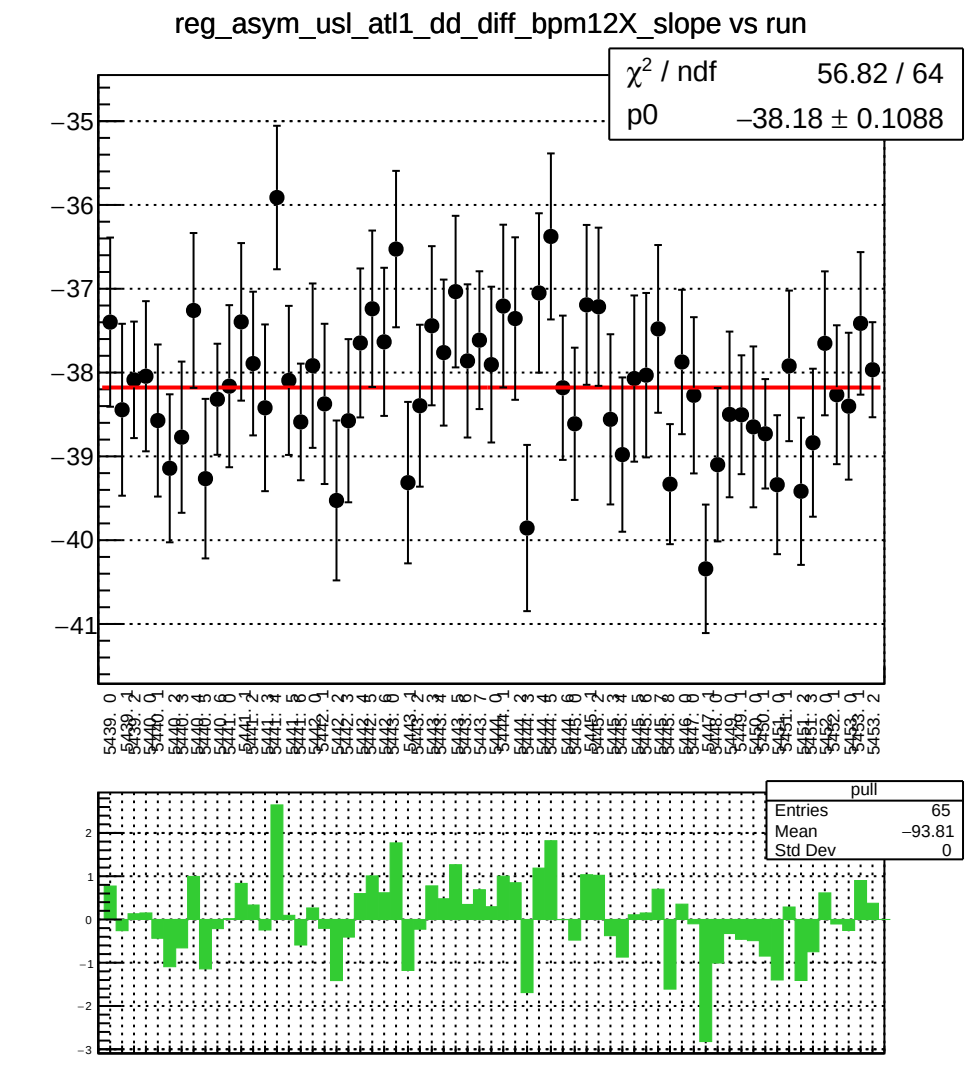

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.51 / 64
p0 7.133 ± 1.911
pull
Entries 65
Mean 5523
Std Dev 0

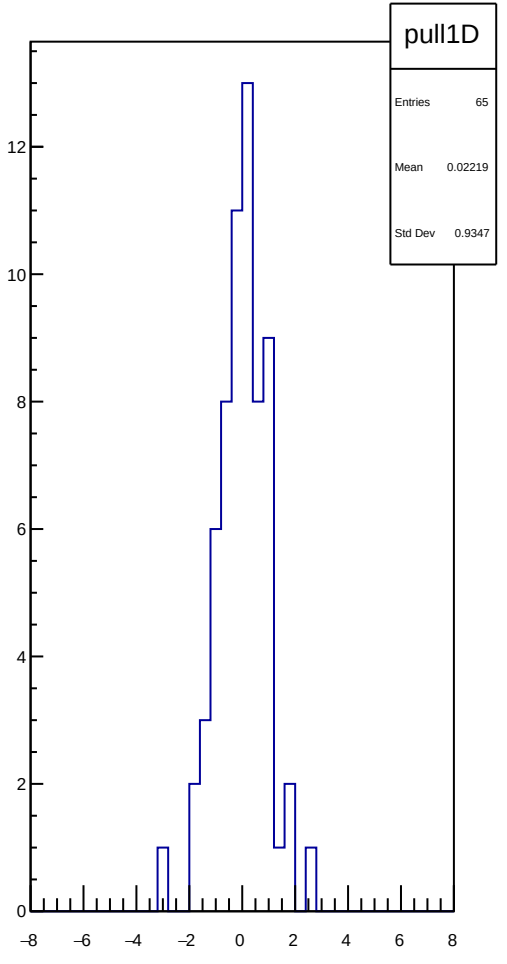

pull1D
Entries 65
Mean 3.364e−05
Std Dev 0.8639

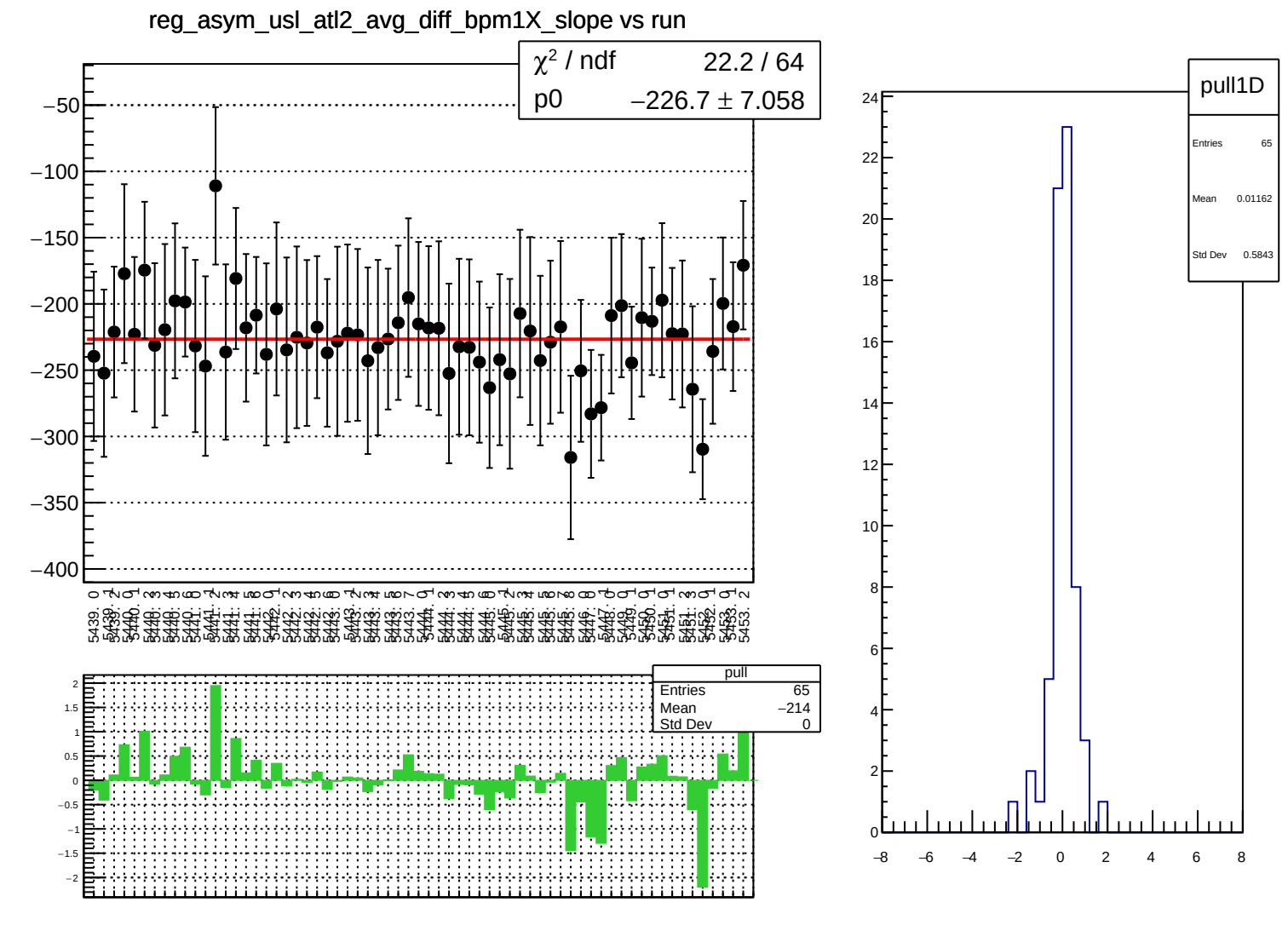

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.87 / 64
p0 23.56 ± 1.827
pull
Entries 65
Mean 3531
Std Dev 0

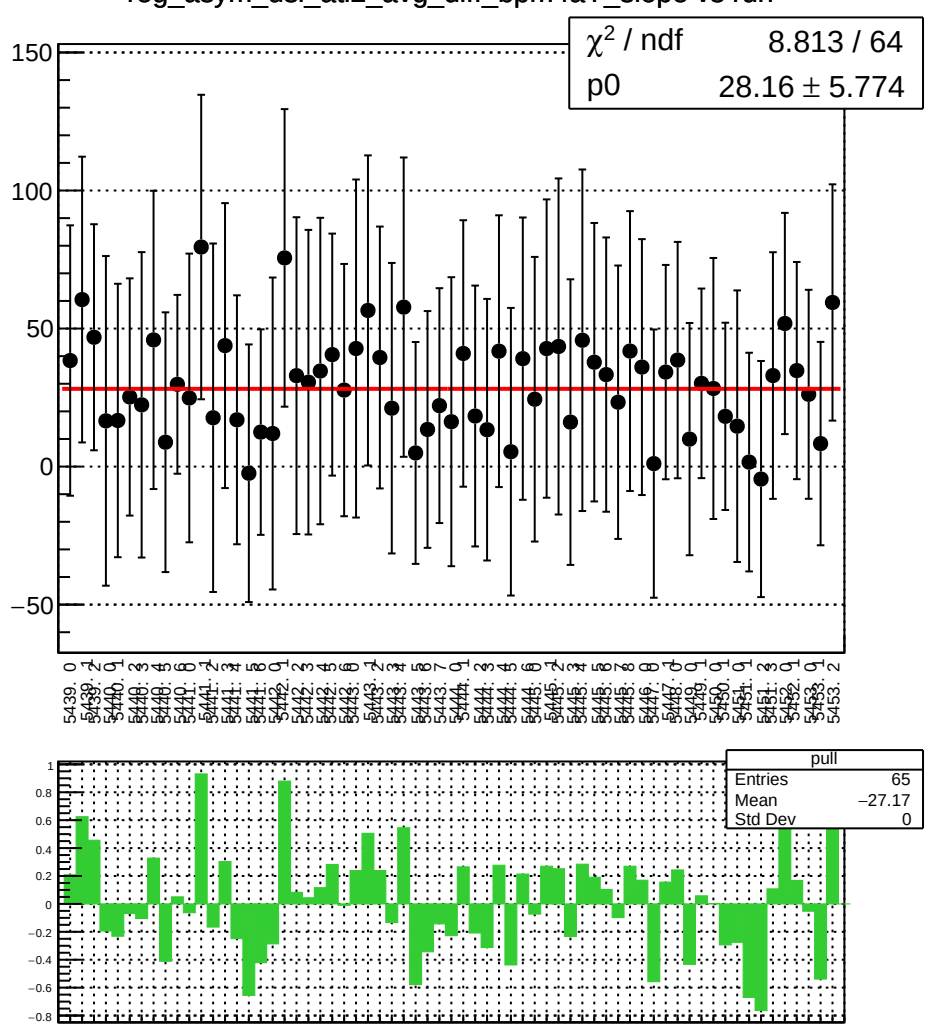

pull1D
Entries 65
Mean 0.001009
Std Dev 0.8846

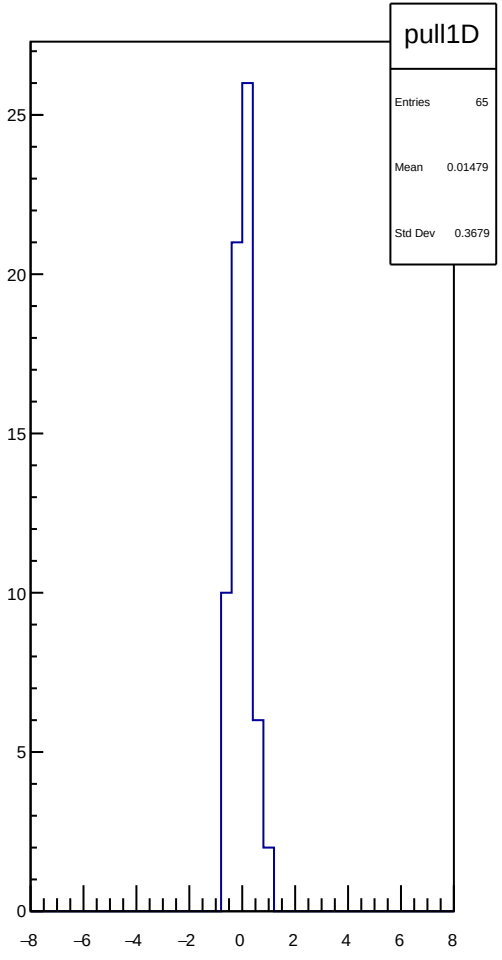

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.33 / 64
p0 10.55 ± 2.433
pull
Entries 65
Mean 803
Std Dev 0
pull1D
Entries 65
Mean −0.000851
Std Dev 0.8533

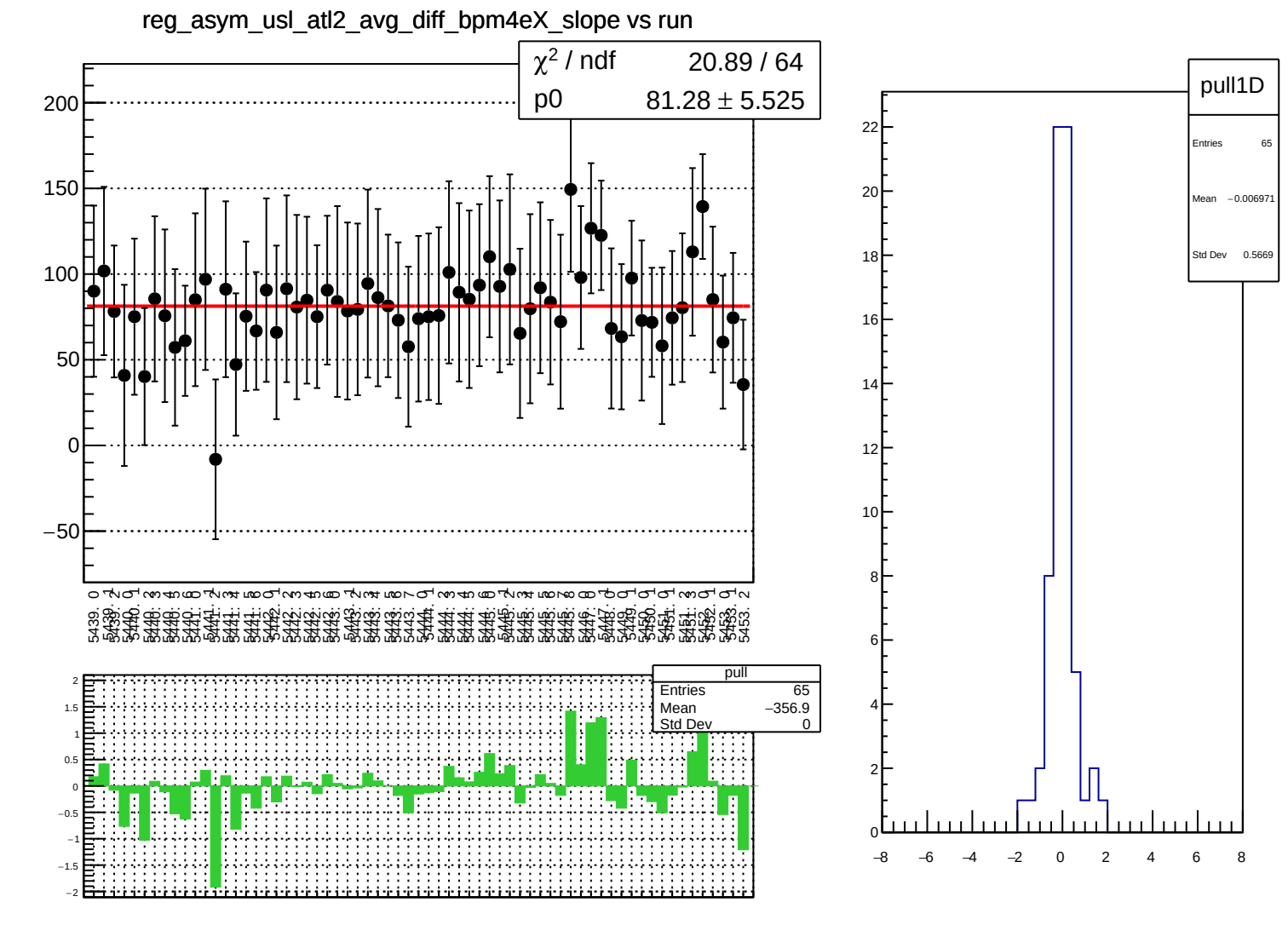

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 56.82 / 64
p0 −38.18 ± 0.1088
pull
Entries 65
Mean −93.81
Std Dev 0

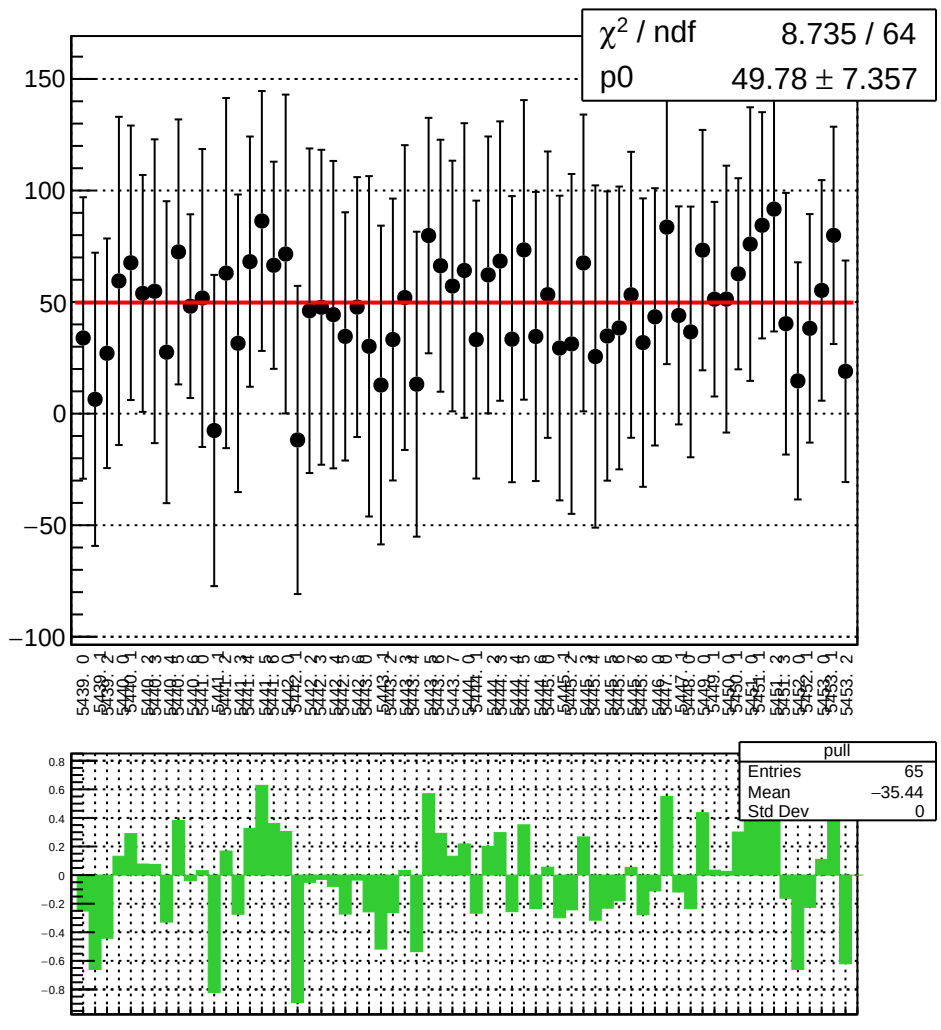

pull1D
Entries 65
Mean 0.02219
Std Dev 0.9347

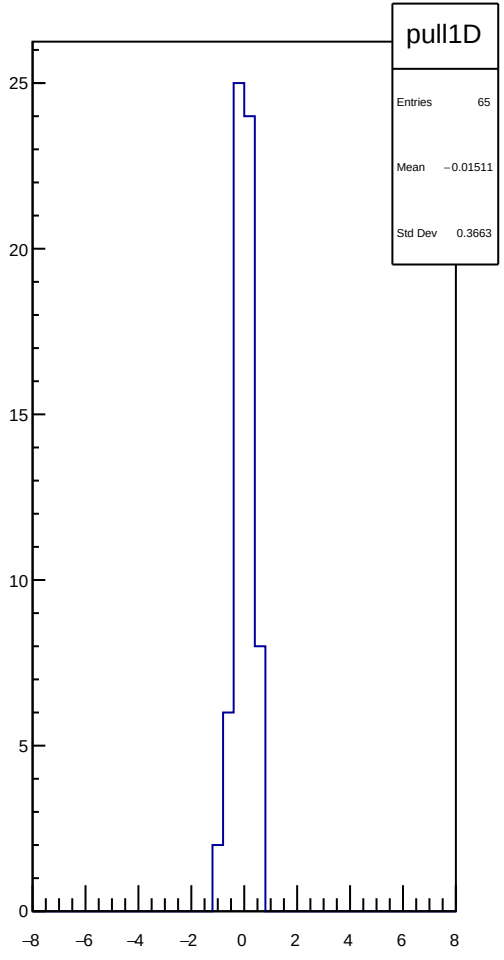

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 22.2 / 64
p0 −226.7 ± 7.058
pull
Entries 65
Mean −214
Std Dev 0
pull1D
Entries 65
Mean 0.01162
Std Dev 0.5843

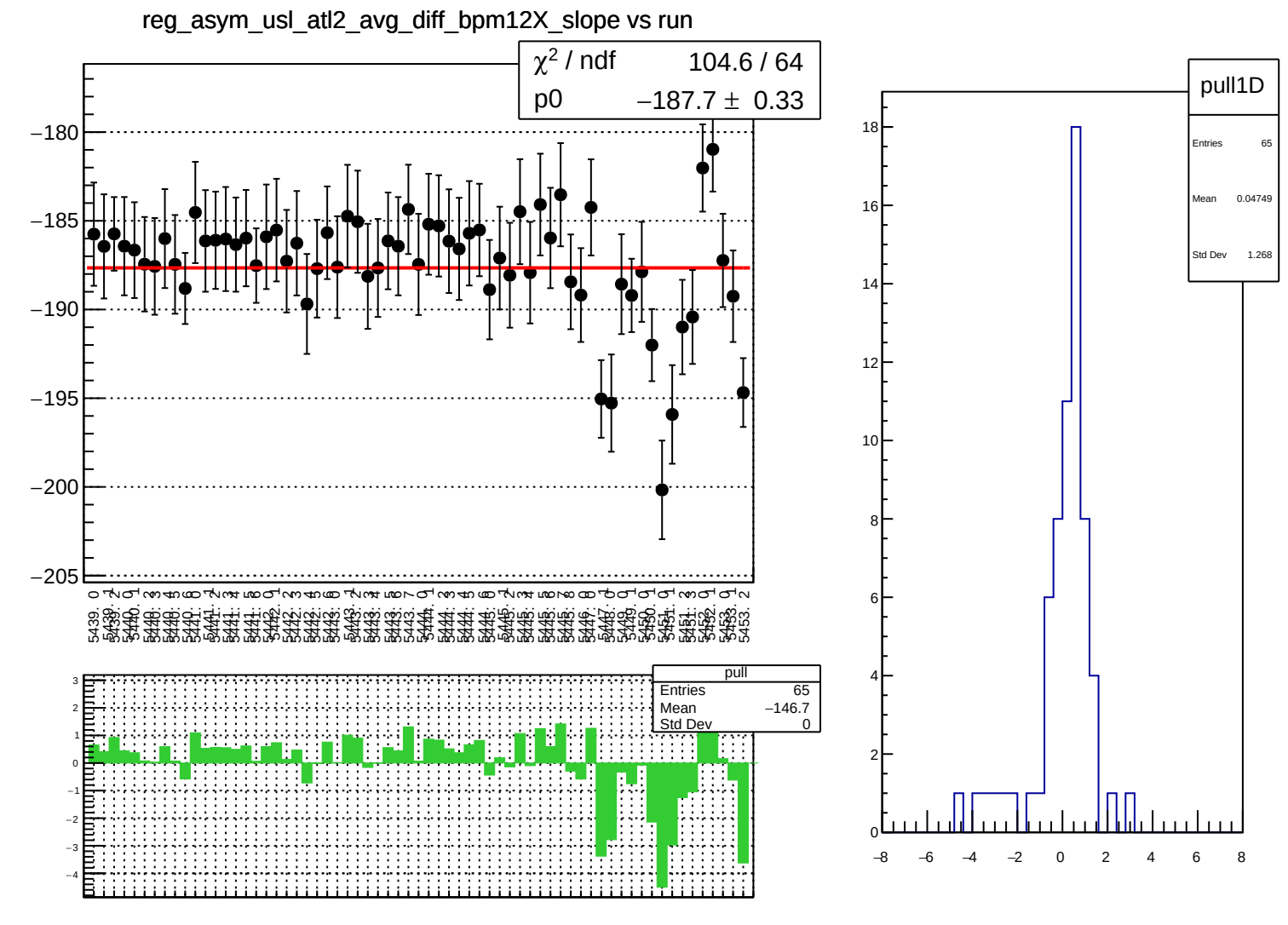

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.813 / 64
p0 28.16 ± 5.774
pull
Entries 65
Mean −27.17
Std Dev 0

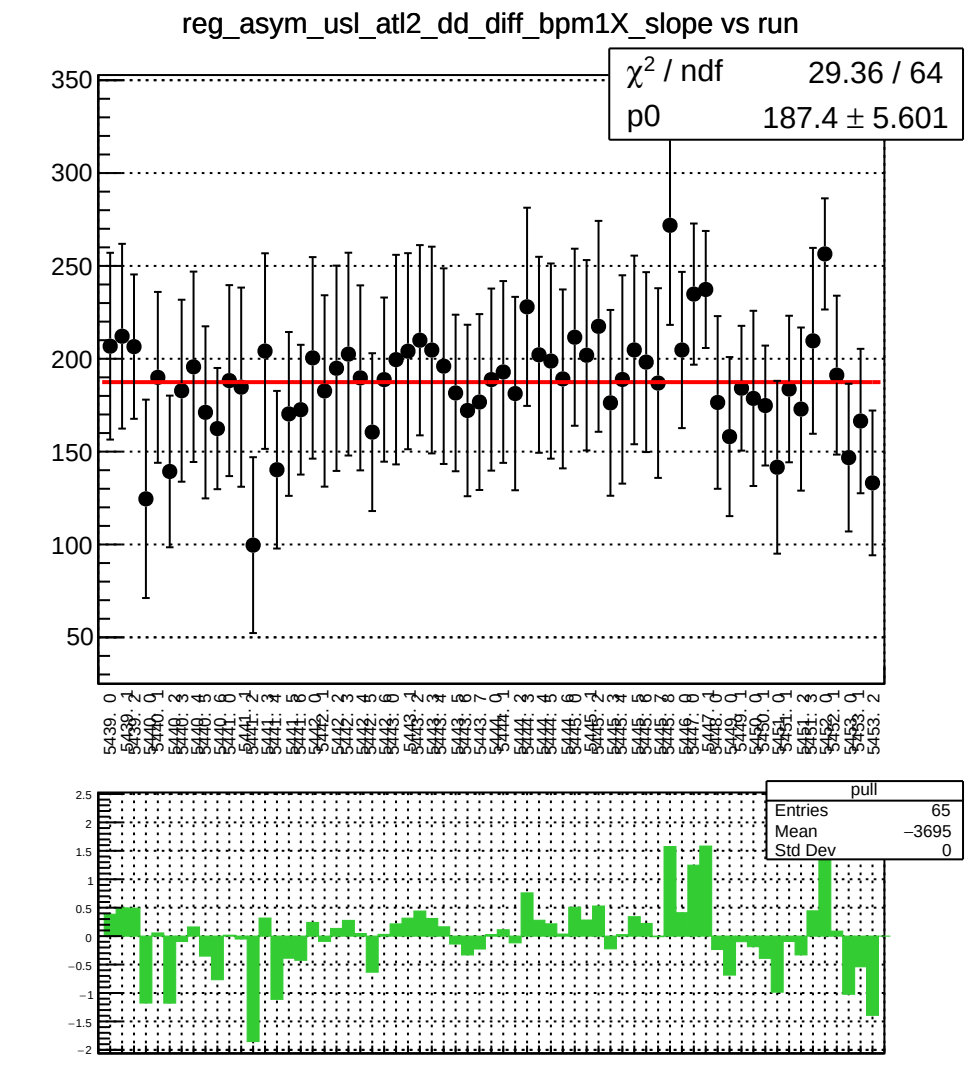

pull1D
Entries 65
Mean 0.01479
Std Dev 0.3679

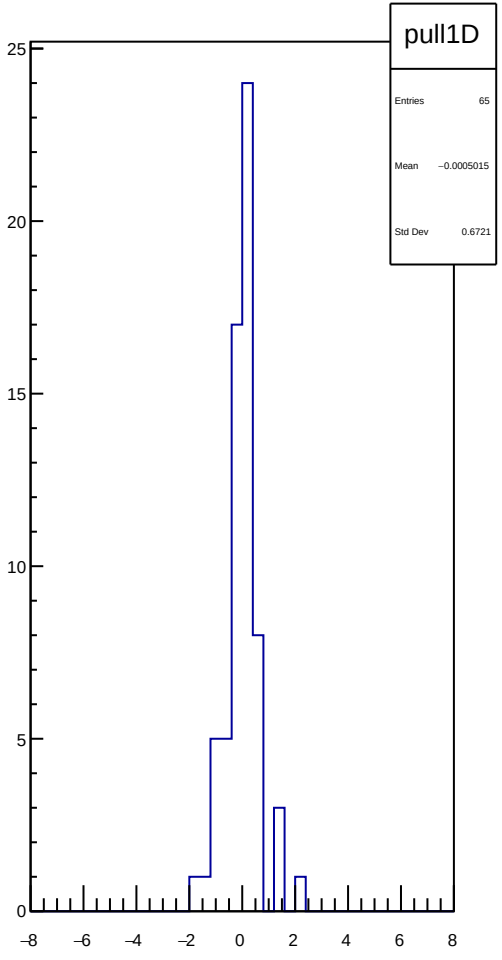

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.89 / 64
p0 81.28 ± 5.525
pull
Entries 65
Mean −356.9
Std Dev 0
pull1D
Entries 65
Mean −0.006971
Std Dev 0.5669

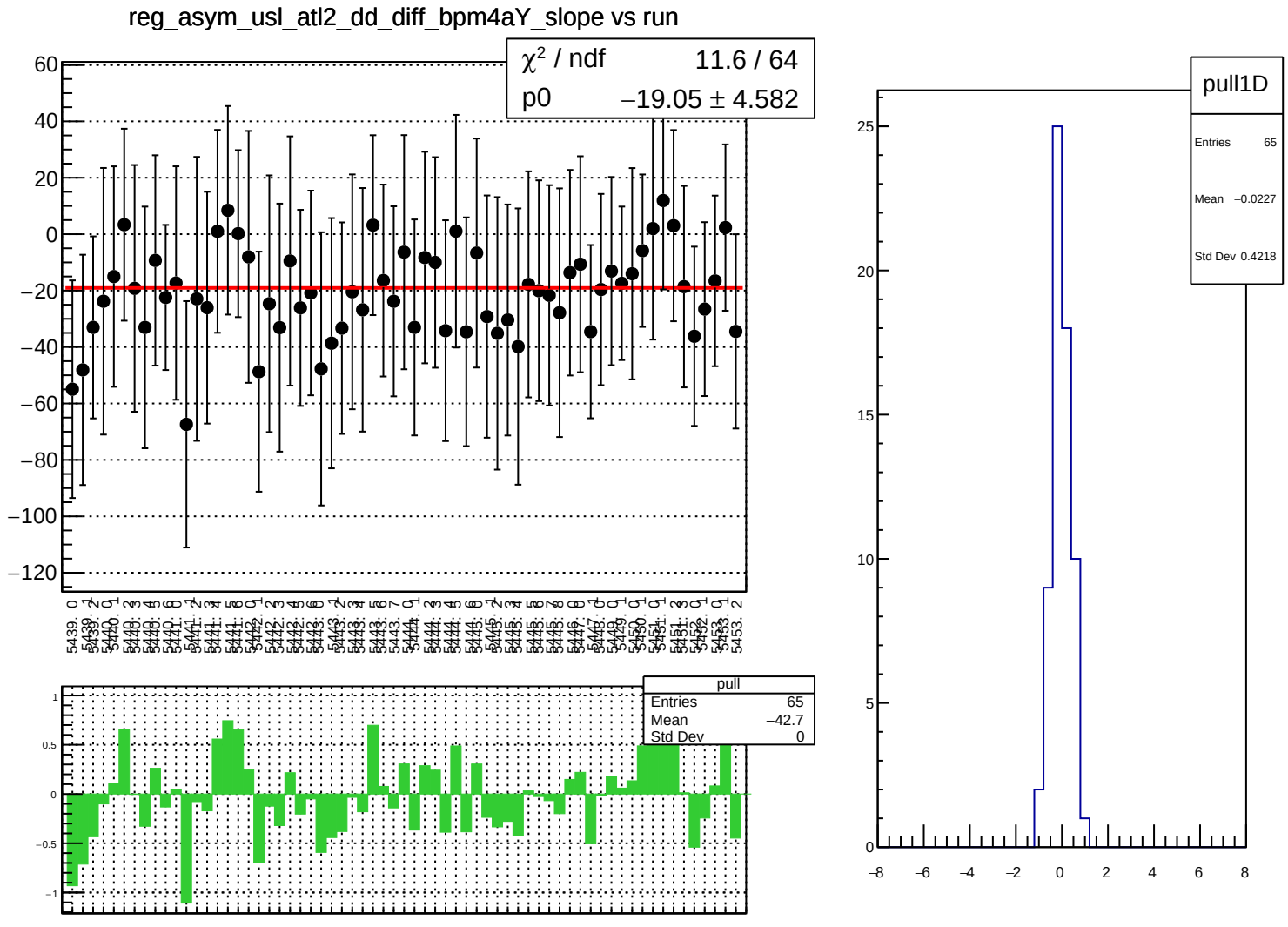

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.735 / 64
p0 49.78 ± 7.357
pull
Entries 65
Mean −35.44
Std Dev 0

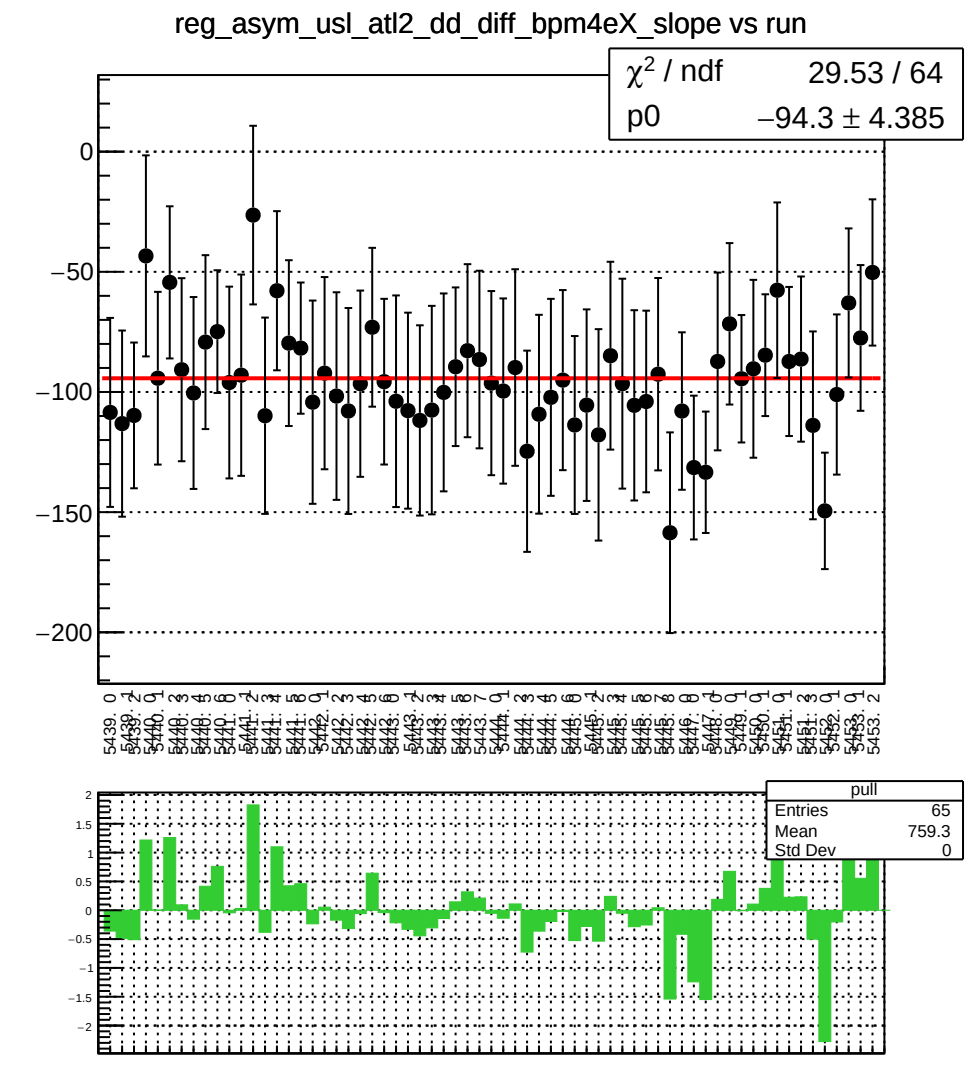

pull1D
Entries 65
Mean −0.01511
Std Dev 0.3663

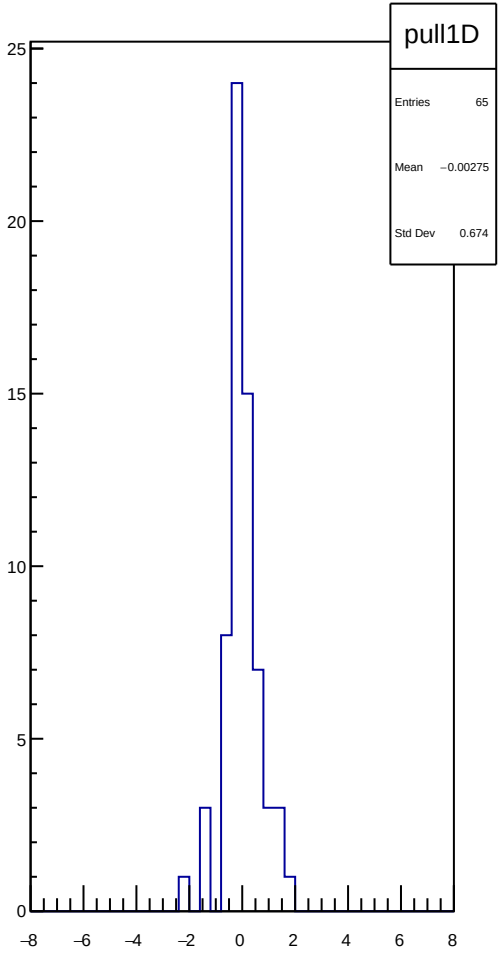

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 104.6 / 64
p0 −187.7 ± 0.33
pull
Entries 65
Mean −146.7
Std Dev 0
pull1D
Entries 65
Mean 0.04749
Std Dev 1.268

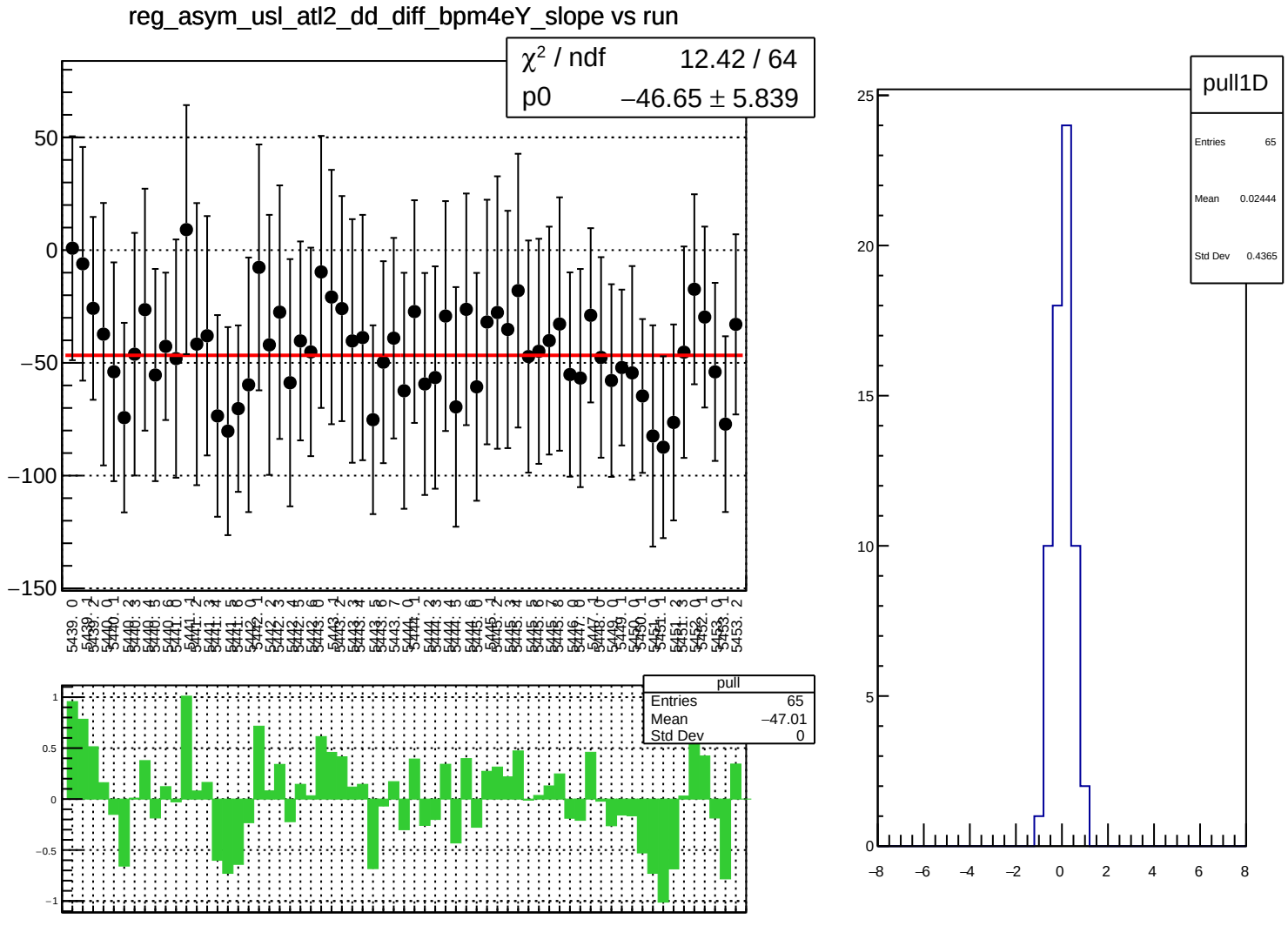

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 29.36 / 64
p0 187.4 ± 5.601
pull
Entries 65
Mean −3695
Std Dev 0

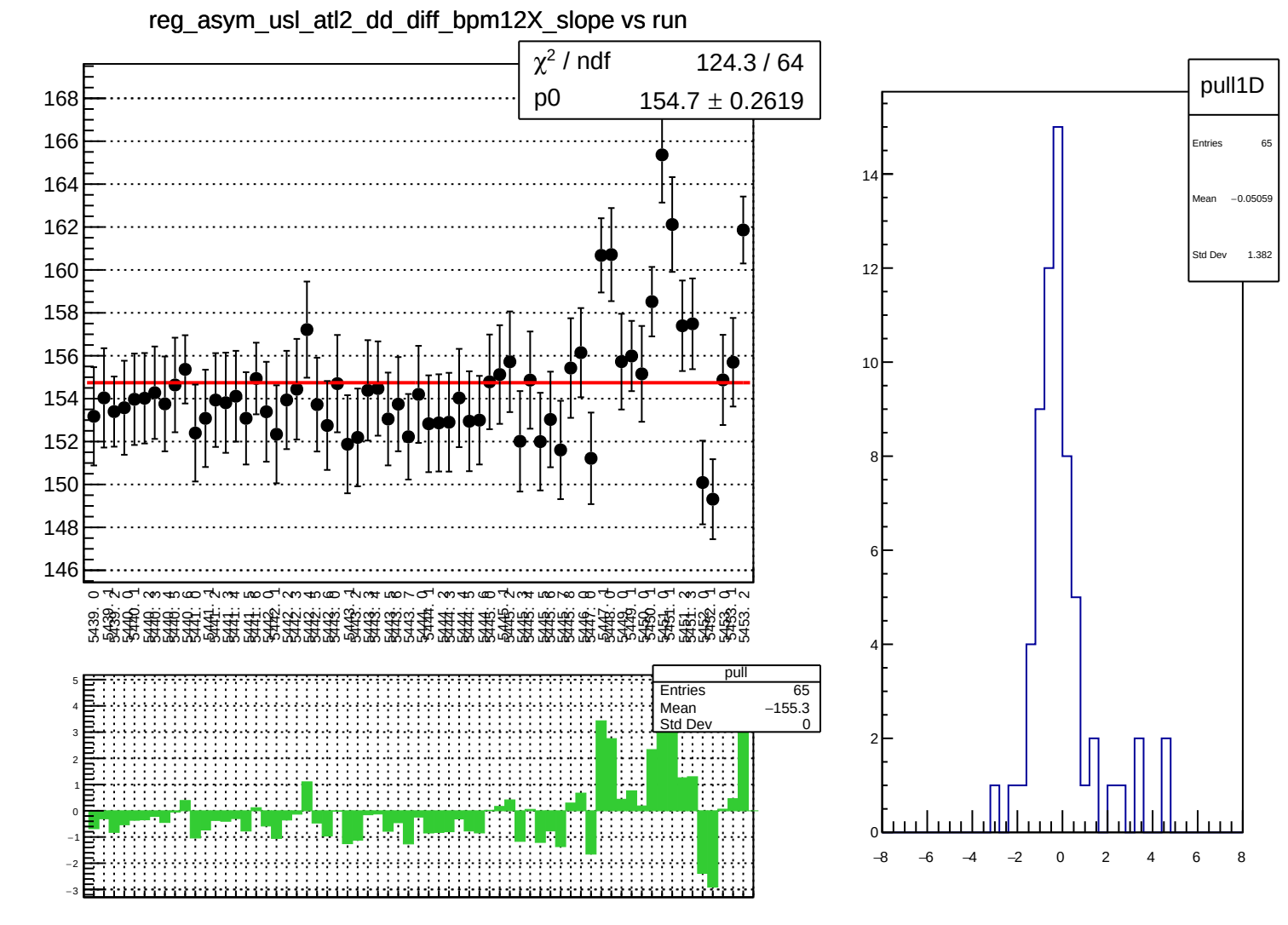

pull1D
Entries 65
Mean −0.0005015
Std Dev 0.6721

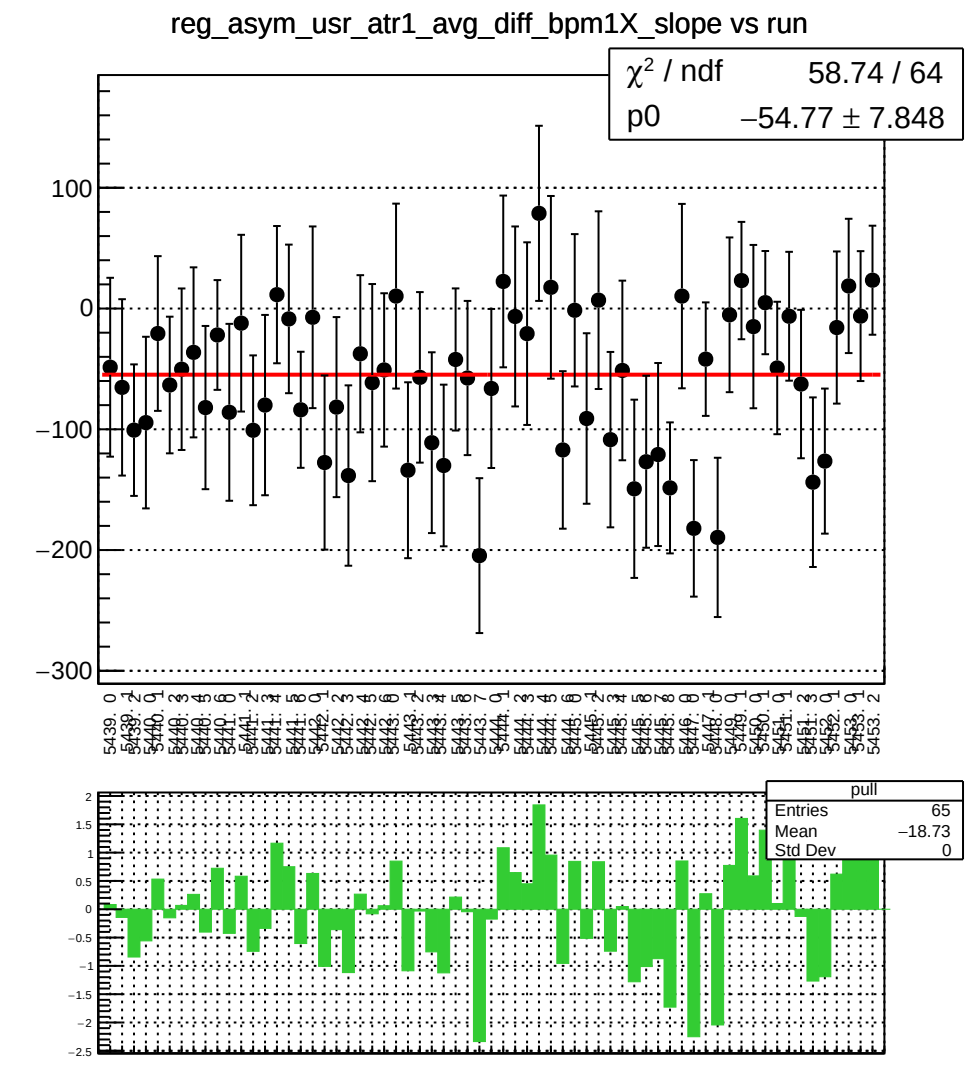

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.6 / 64
p0 −19.05 ± 4.582
pull
Entries 65
Mean −42.7
Std Dev 0
pull1D
Entries 65
Mean −0.0227
Std Dev 0.4218

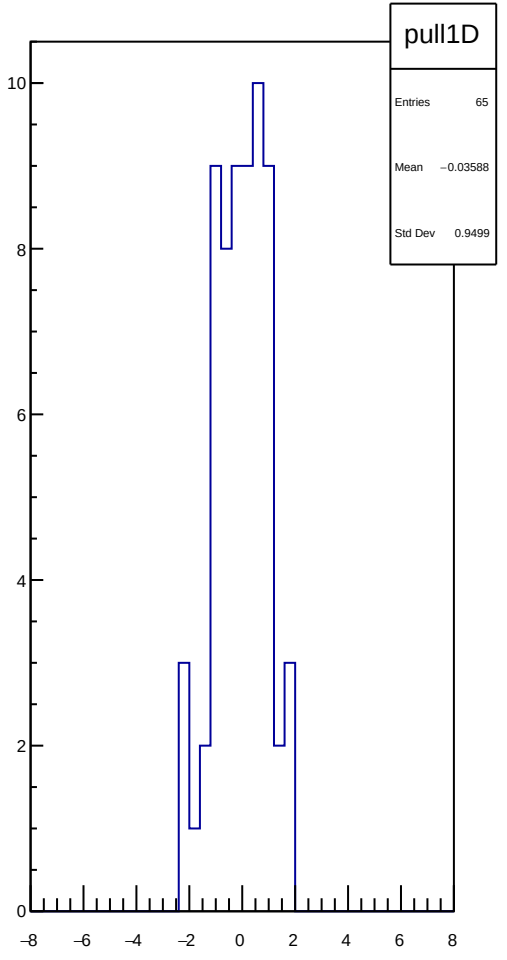

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.53 / 64
p0 −94.3 ± 4.385
pull
Entries 65
Mean 759.3
Std Dev 0

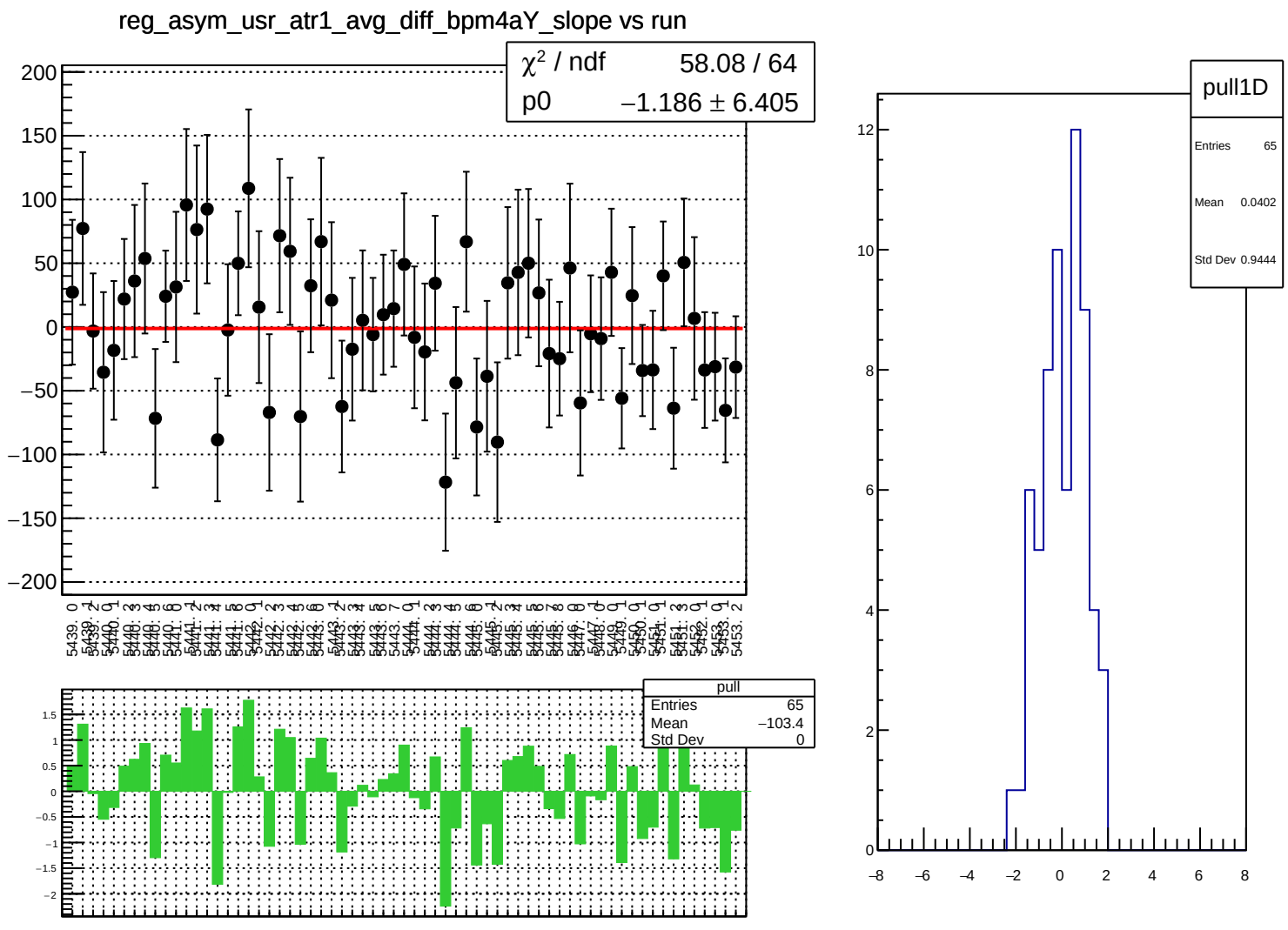

pull1D
Entries 65
Mean −0.00275
Std Dev 0.674

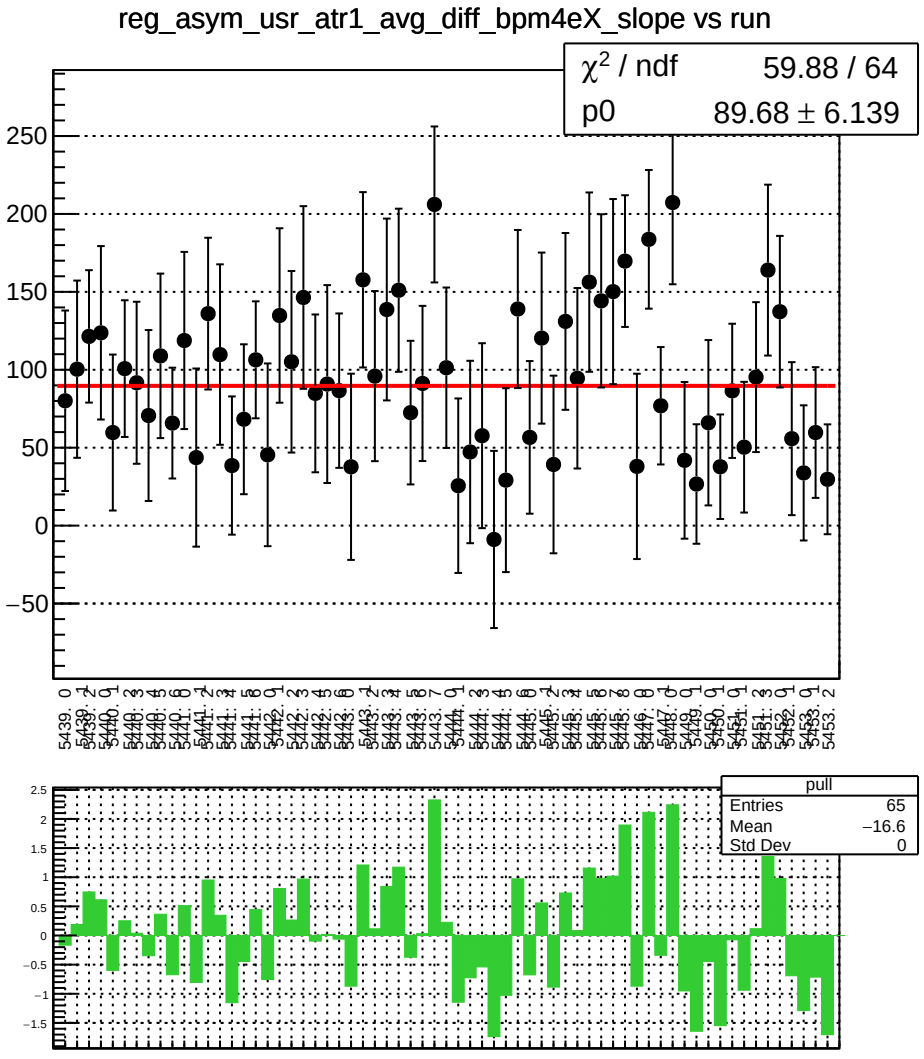

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.42 / 64
p0 −46.65 ± 5.839
pull
Entries 65
Mean −47.01
Std Dev 0
pull1D
Entries 65
Mean 0.02444
Std Dev 0.4365

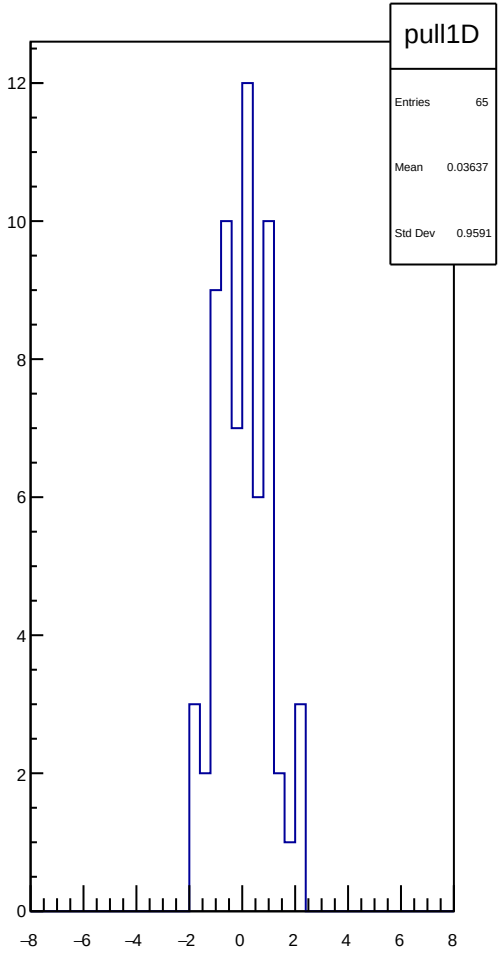

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 124.3 / 64
p0 154.7 ± 0.2619
pull
Entries 65
Mean −155.3
Std Dev 0
pull1D
Entries 65
Mean −0.05059
Std Dev 1.382

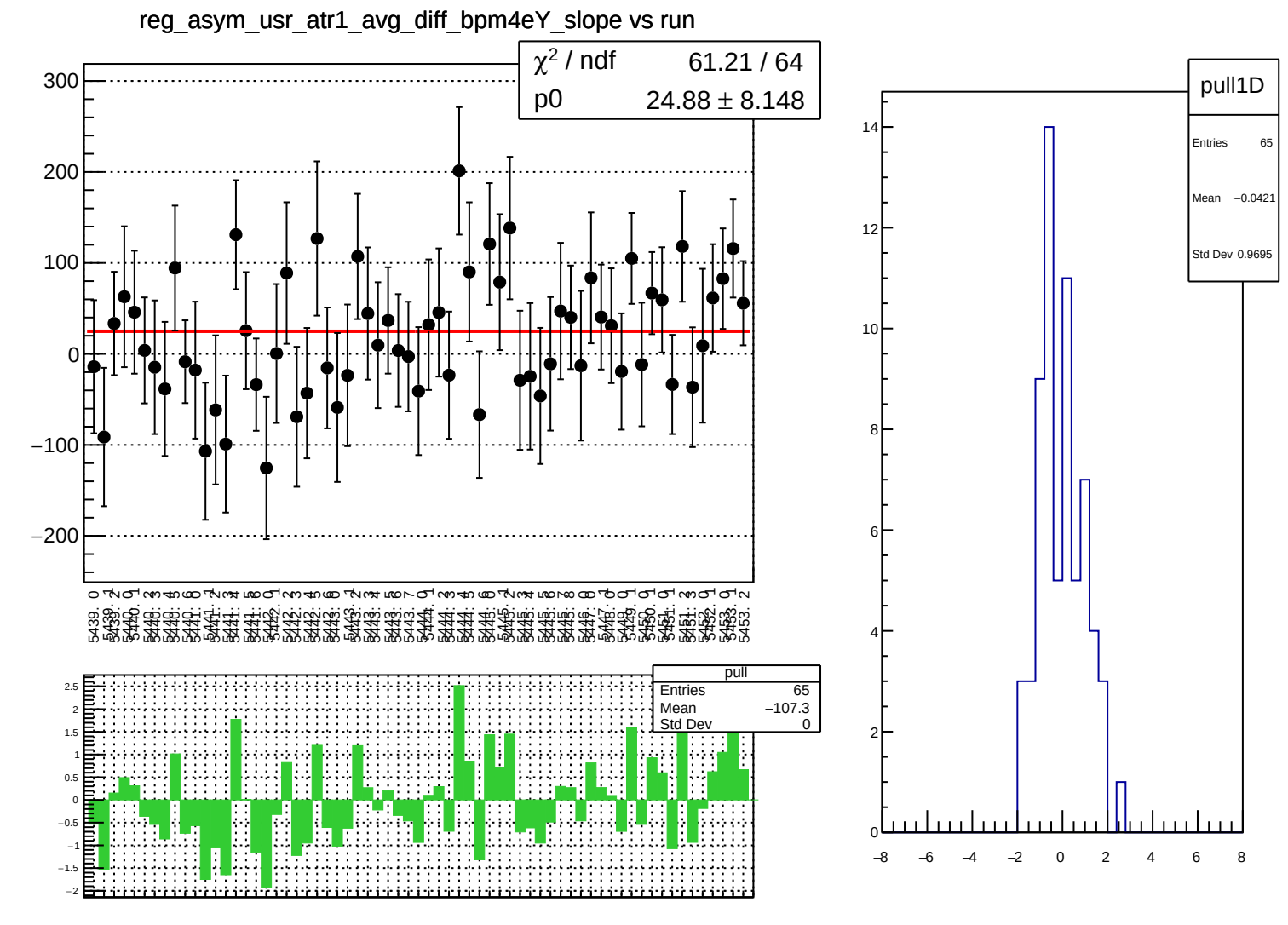

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 58.74 / 64
p0 −54.77 ± 7.848
100
0
−100
−200
−300
pull
Entries 65
Mean −18.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

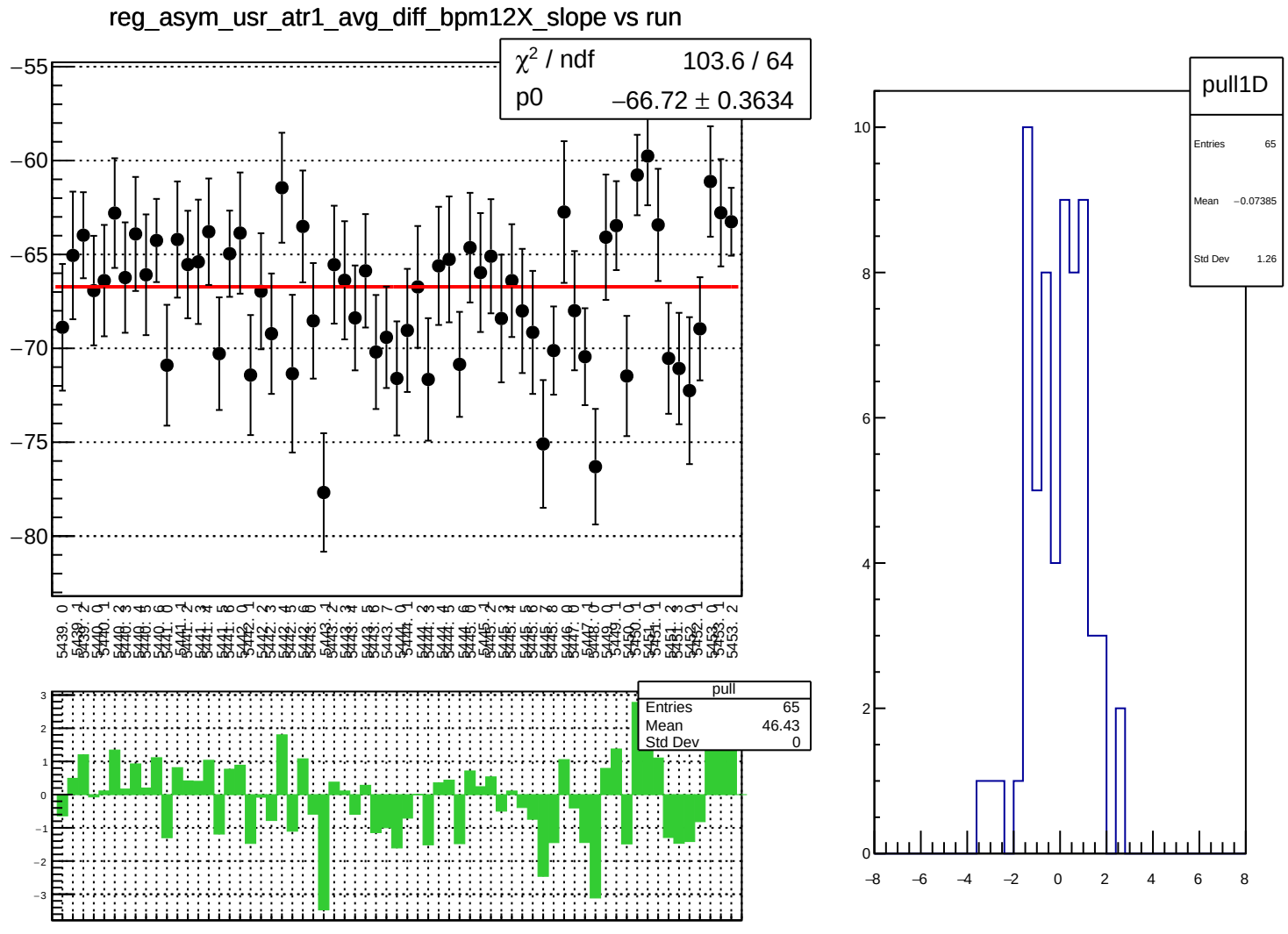

pull1D
Entries 65
Mean −0.03588
Std Dev 0.9499
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

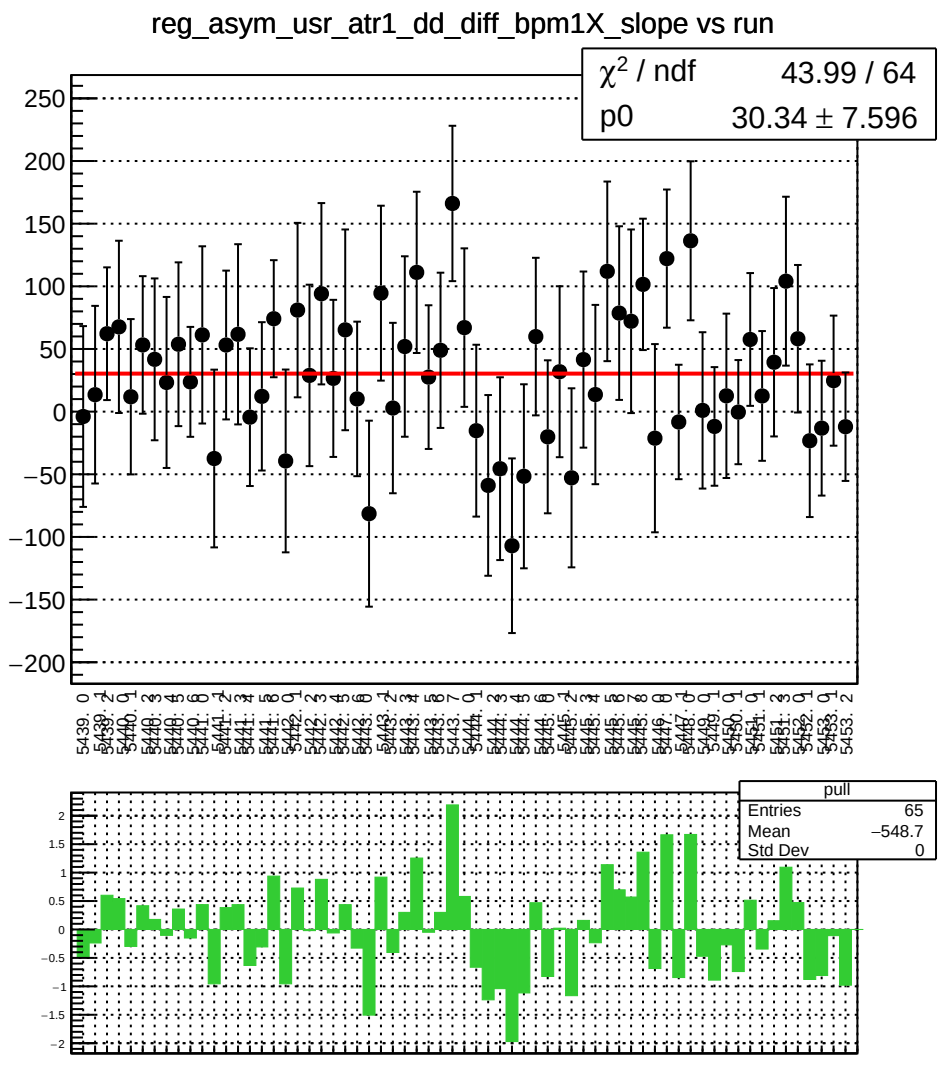

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.08 / 64
p0 −1.186 ± 6.405
pull
Entries 65
Mean −103.4
Std Dev 0
pull1D
Entries 65
Mean 0.0402
Std Dev 0.9444

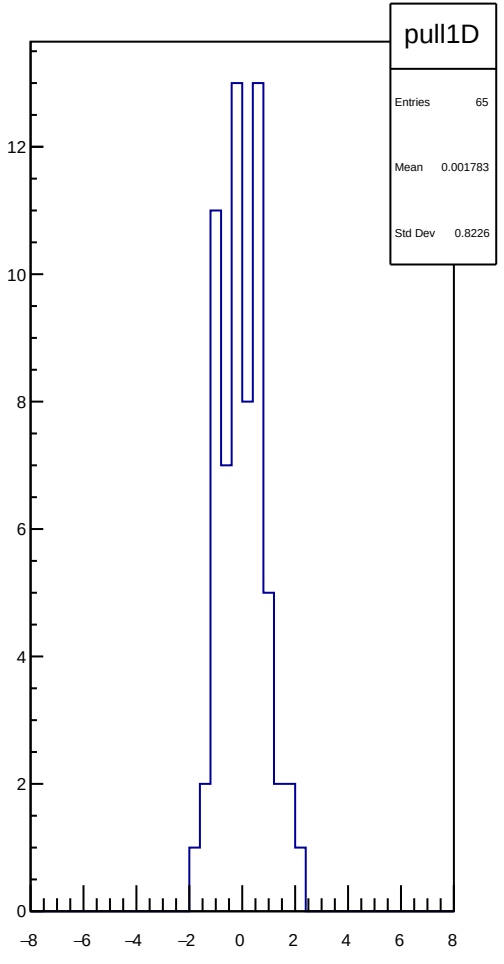

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.88 / 64
p0 89.68 ± 6.139
pull
Entries 65
Mean −16.6
Std Dev 0

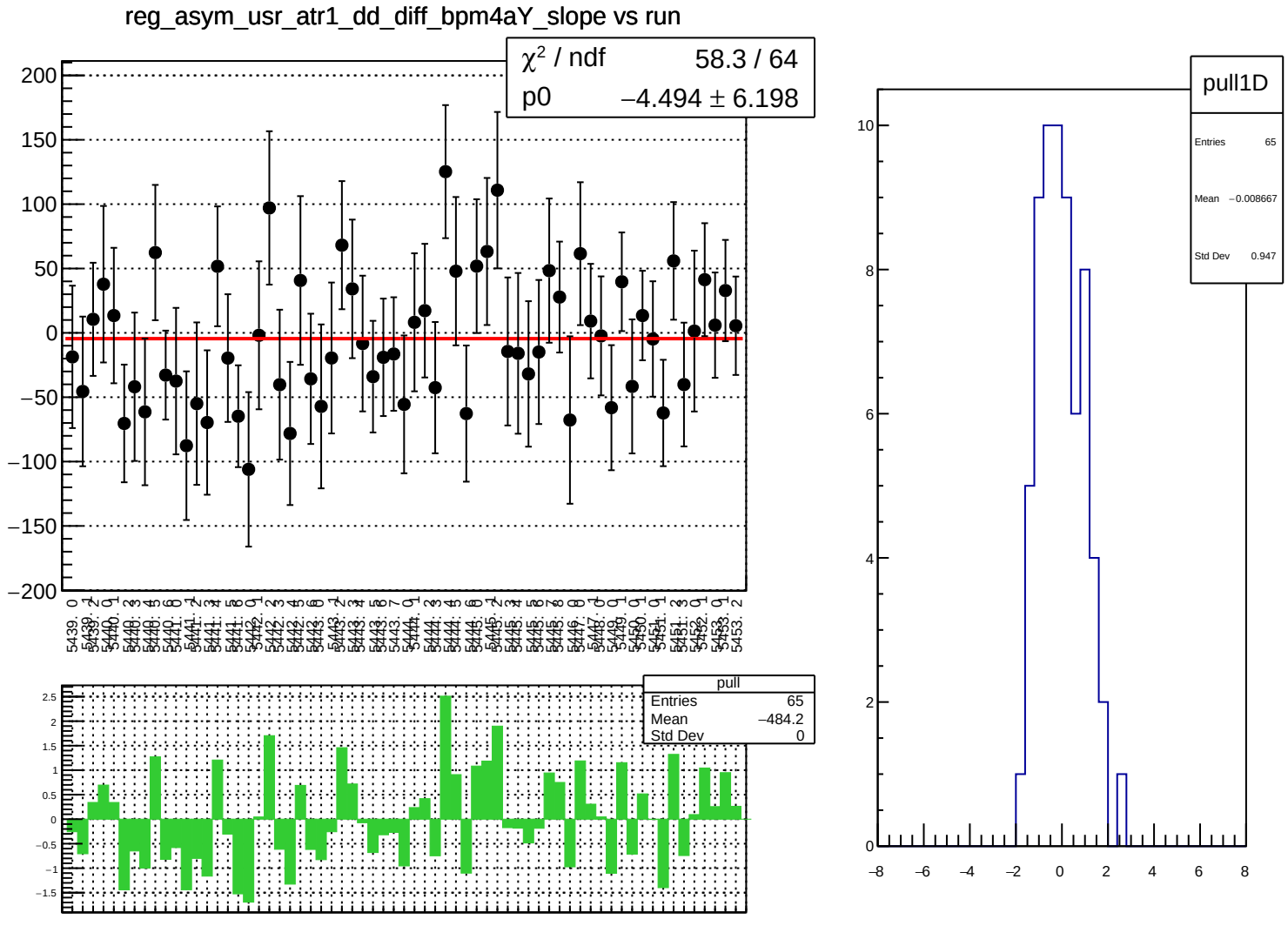

pull1D
Entries 65
Mean 0.03637
Std Dev 0.9591

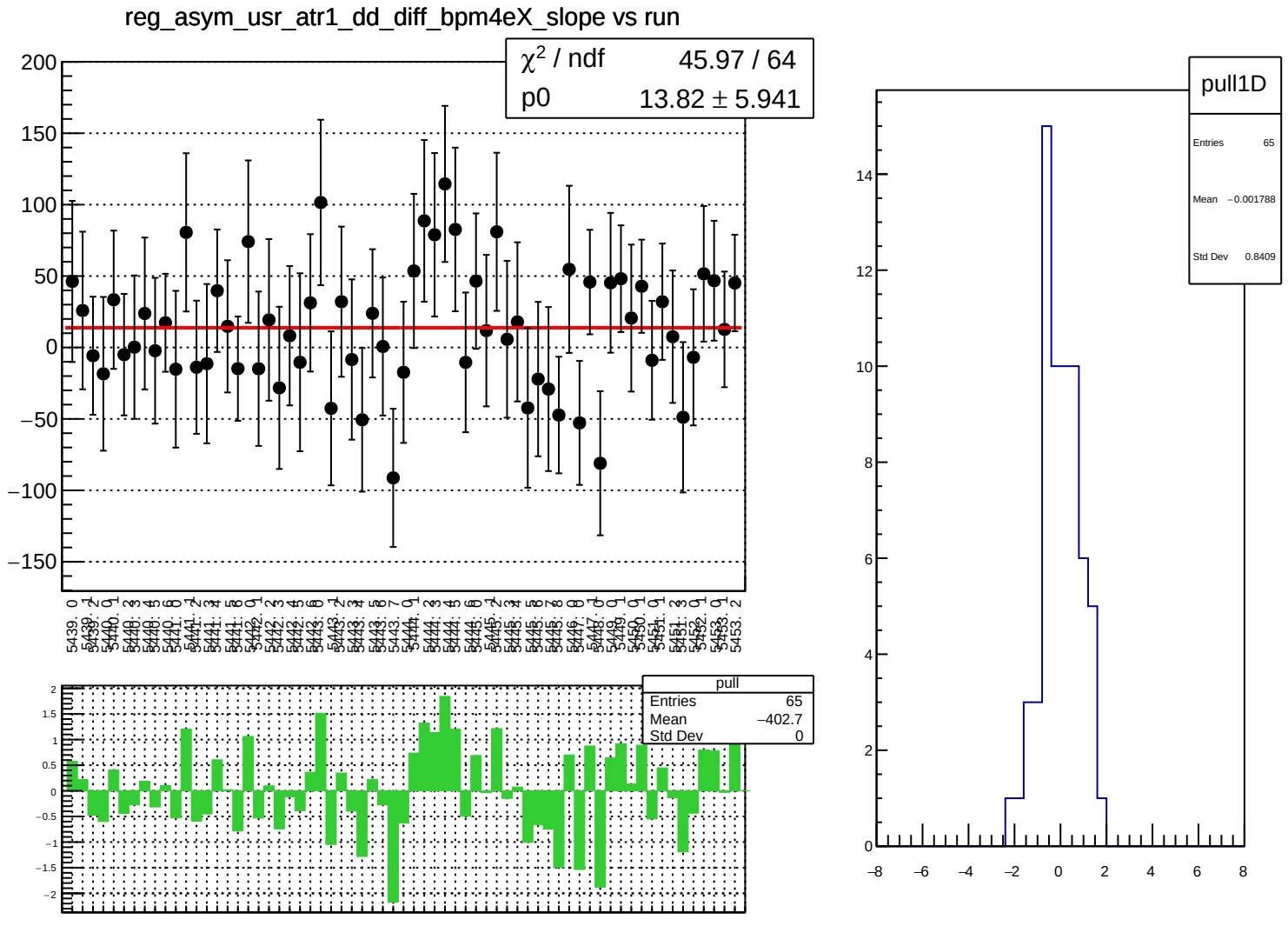

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 61.21 / 64
p0 24.88 ± 8.148
pull
Entries 65
Mean −107.3
Std Dev 0
pull1D
Entries 65
Mean −0.0421
Std Dev 0.9695

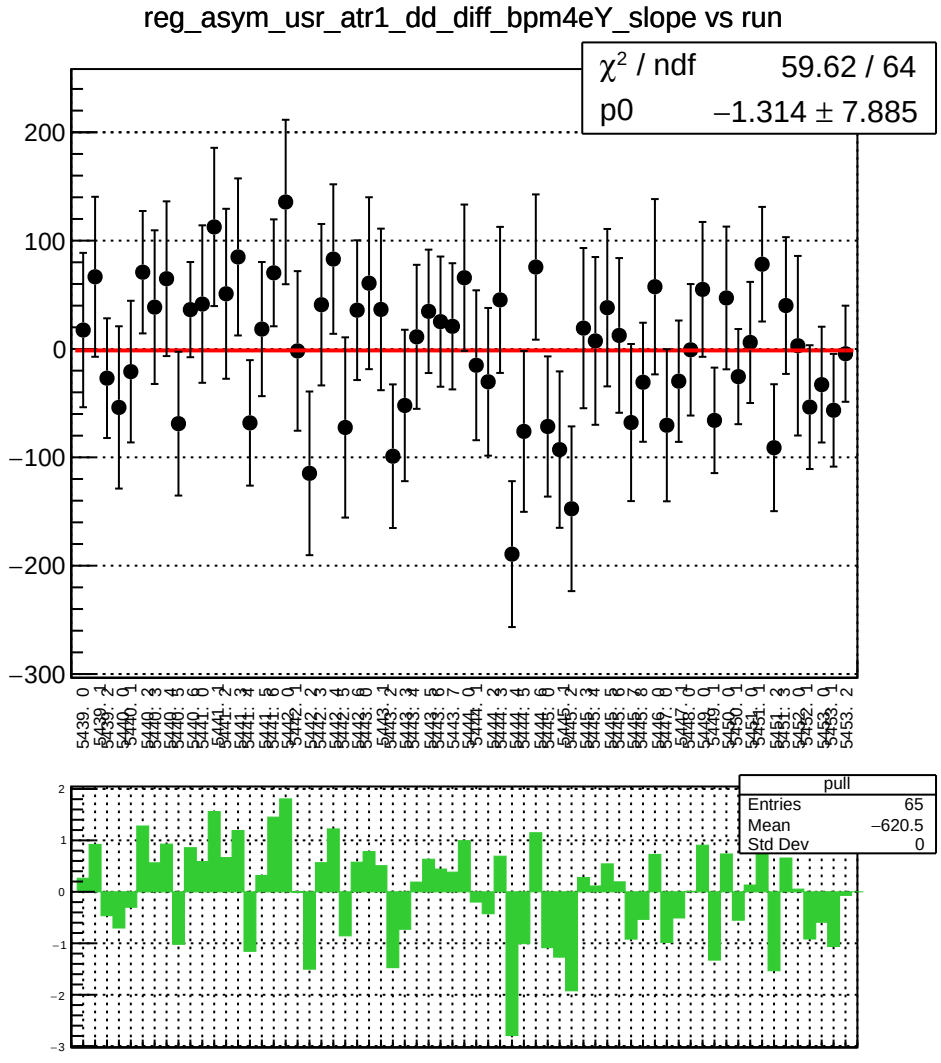

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 103.6 / 64
p0 −66.72 ± 0.3634
pull
Entries 65
Mean 46.43
Std Dev 0
pull1D
Entries 65
Mean −0.07385
Std Dev 1.26

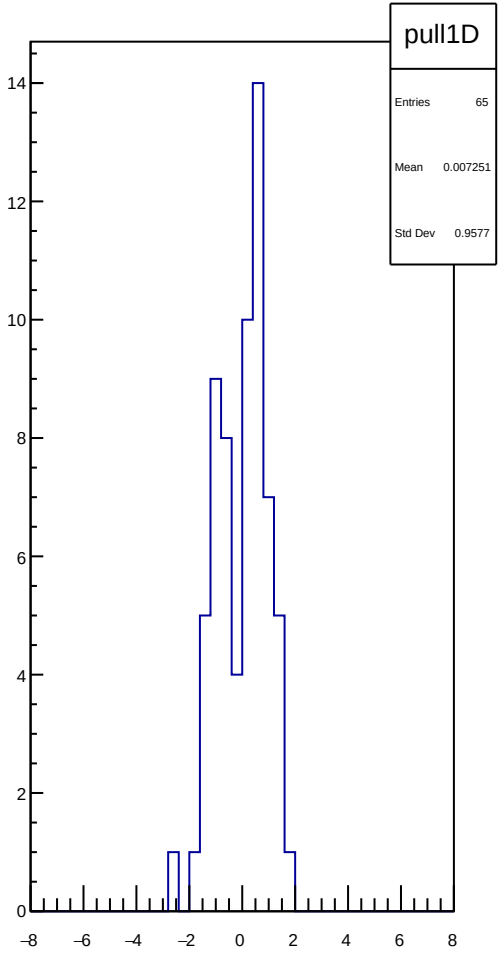

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 43.99 / 64
p0 30.34 ± 7.596
pull
Entries 65
Mean −548.7
Std Dev 0

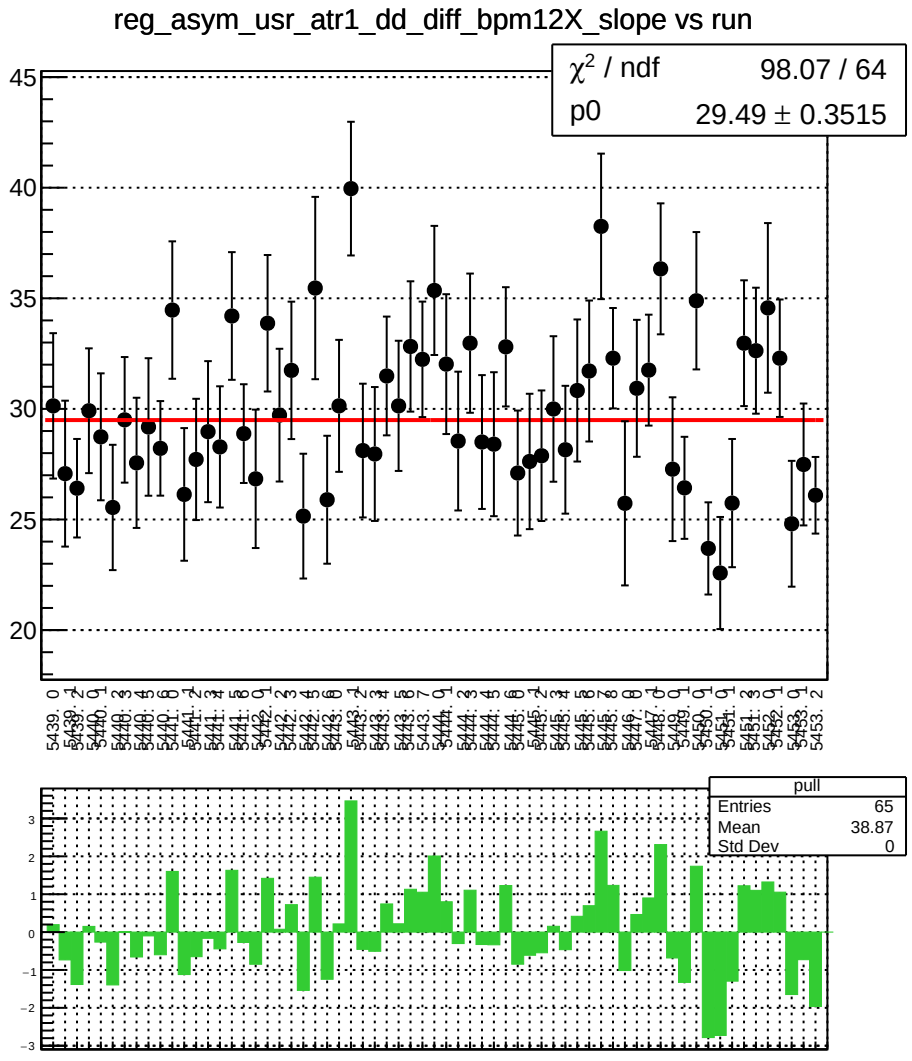

pull1D
Entries 65
Mean 0.001783
Std Dev 0.8226

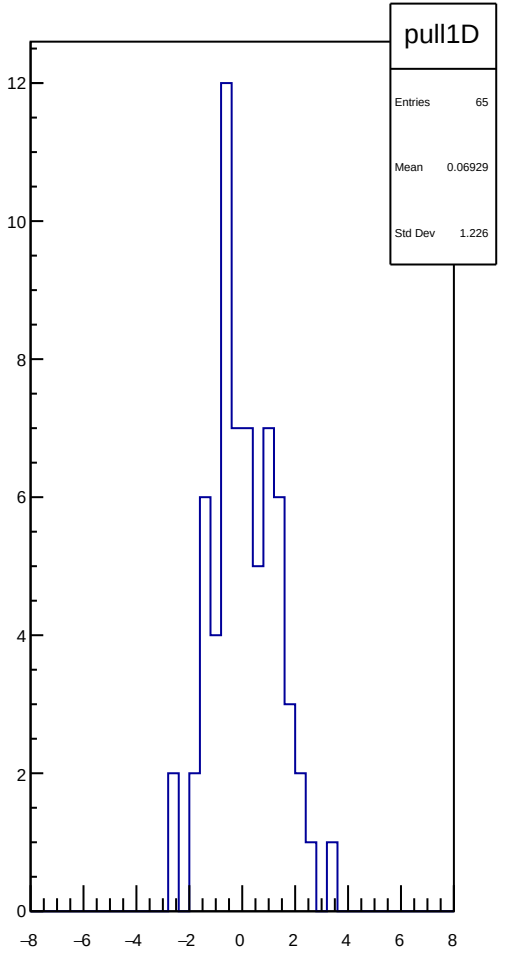

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.3 / 64
p0 −4.494 ± 6.198
pull
Entries 65
Mean −484.2
Std Dev 0
pull1D
Entries 65
Mean −0.008667
Std Dev 0.947

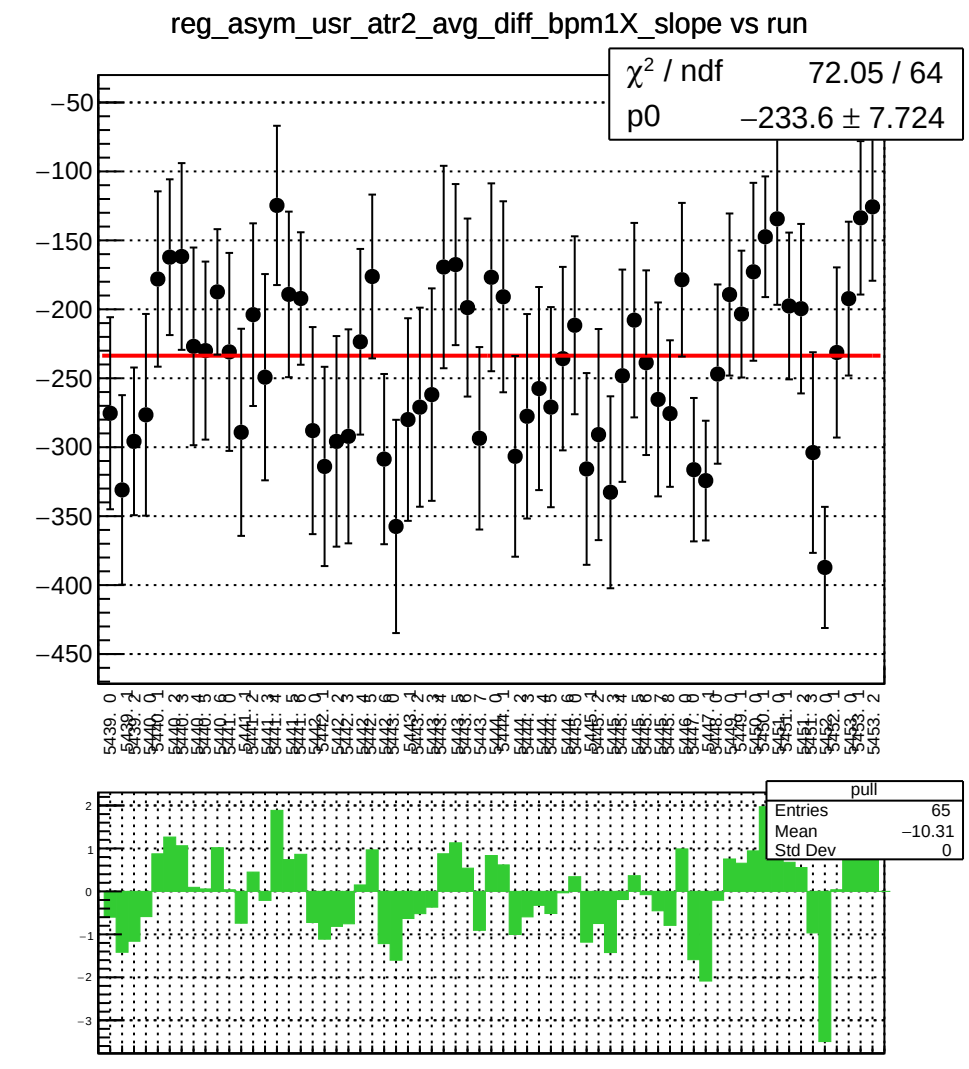

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.97 / 64
p0 13.82 ± 5.941
pull
Entries 65
Mean −402.7
Std Dev 0
pull1D
Entries 65
Mean −0.001788
Std Dev 0.8409

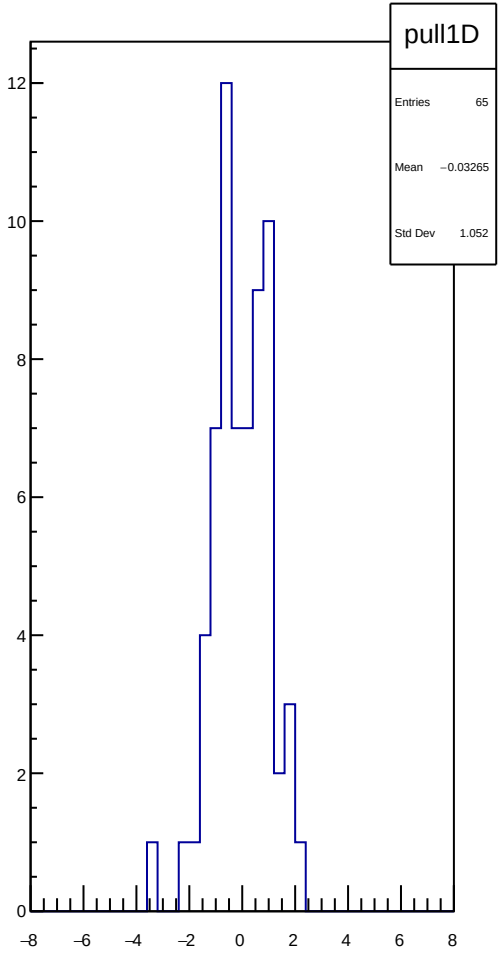

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.62 / 64
p0 −1.314 ± 7.885
pull
Entries 65
Mean −620.5
Std Dev 0

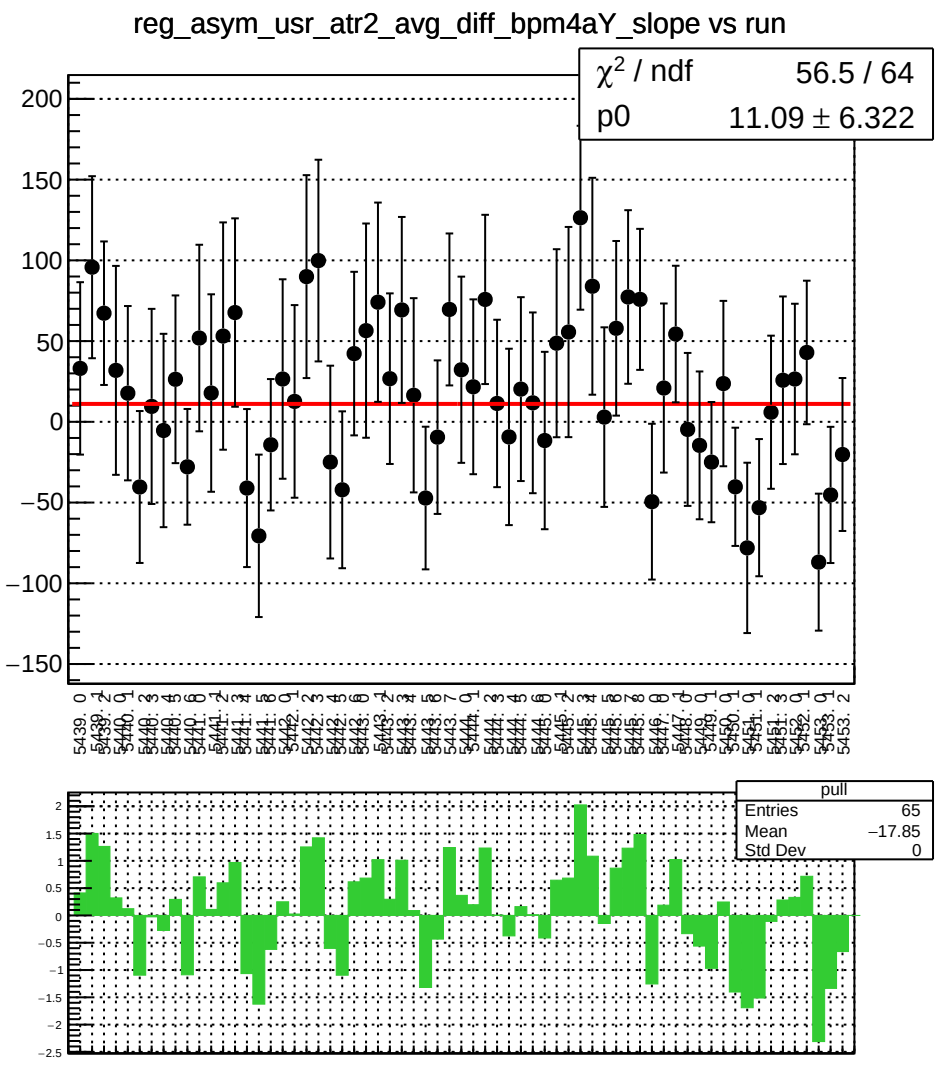

pull1D
Entries 65
Mean 0.007251
Std Dev 0.9577

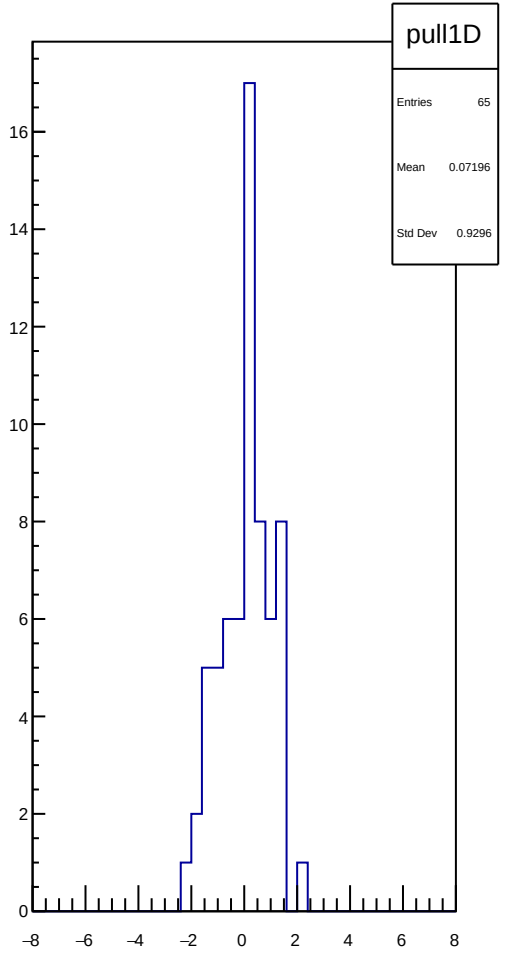

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 98.07 / 64
p0 29.49 ± 0.3515
pull
Entries 65
Mean 38.87
Std Dev 0

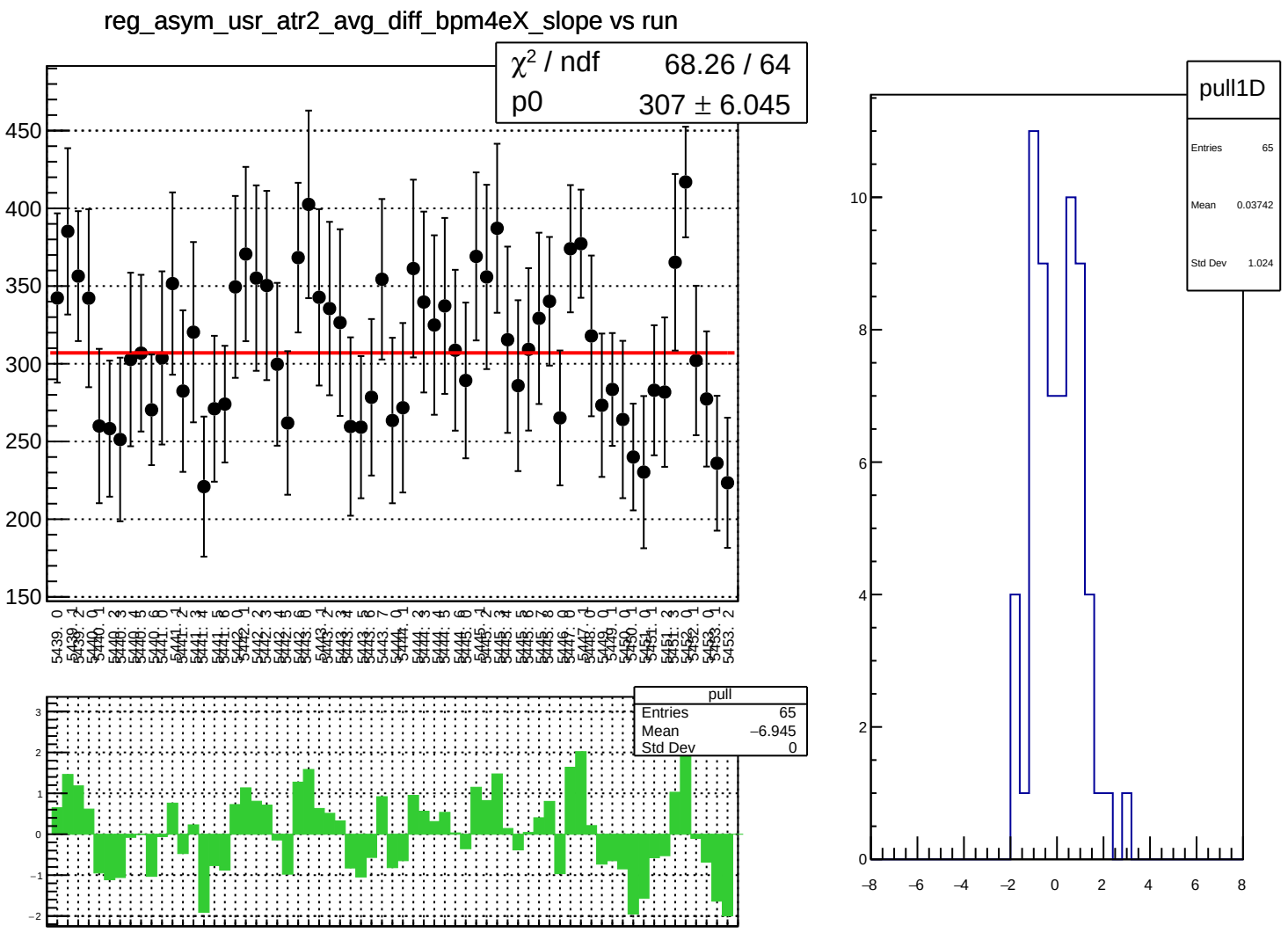

pull1D
Entries 65
Mean 0.06929
Std Dev 1.226

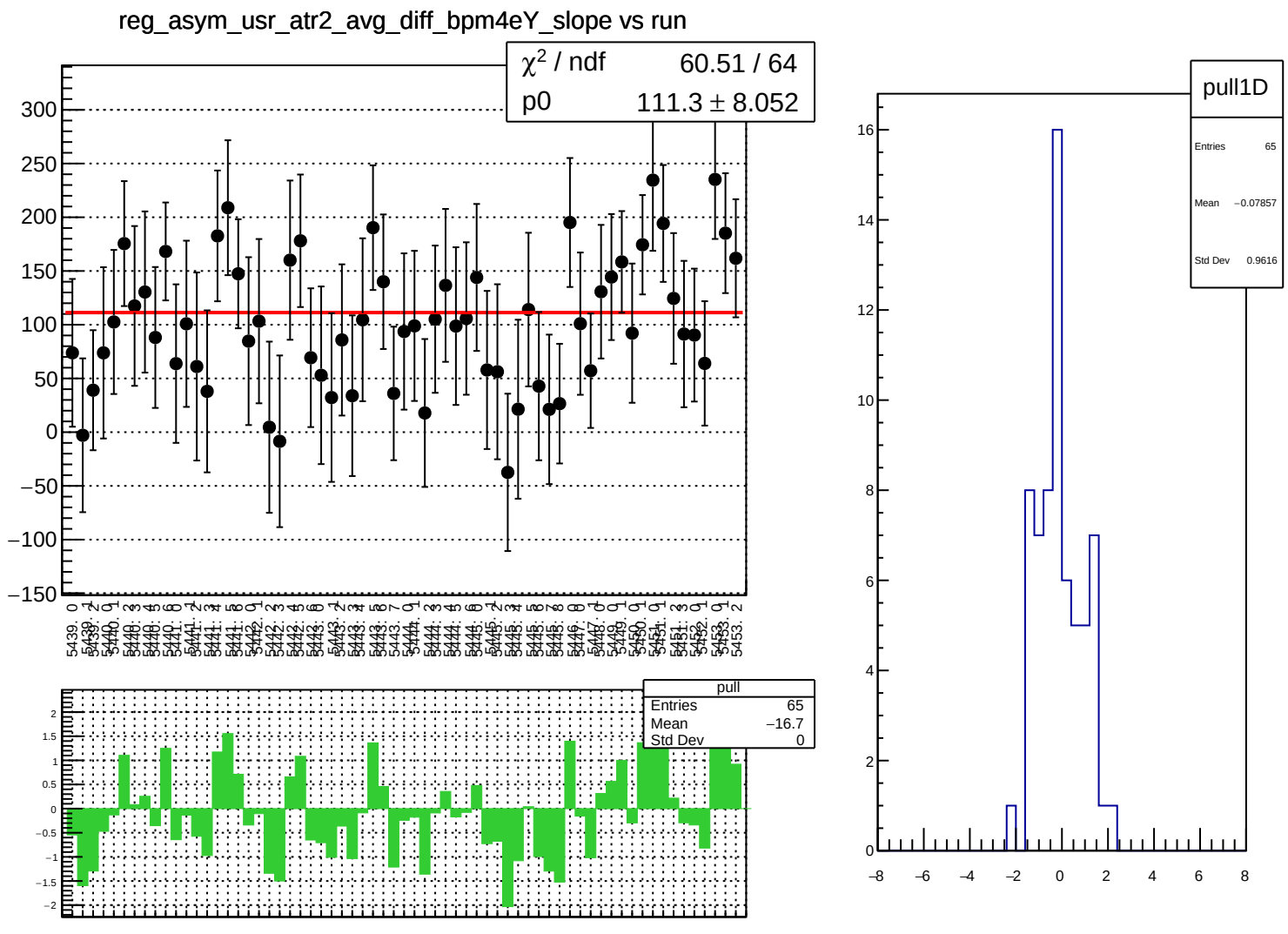

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 72.05 / 64
p0 −233.6 ± 7.724
pull
Entries 65
Mean −10.31
Std Dev 0

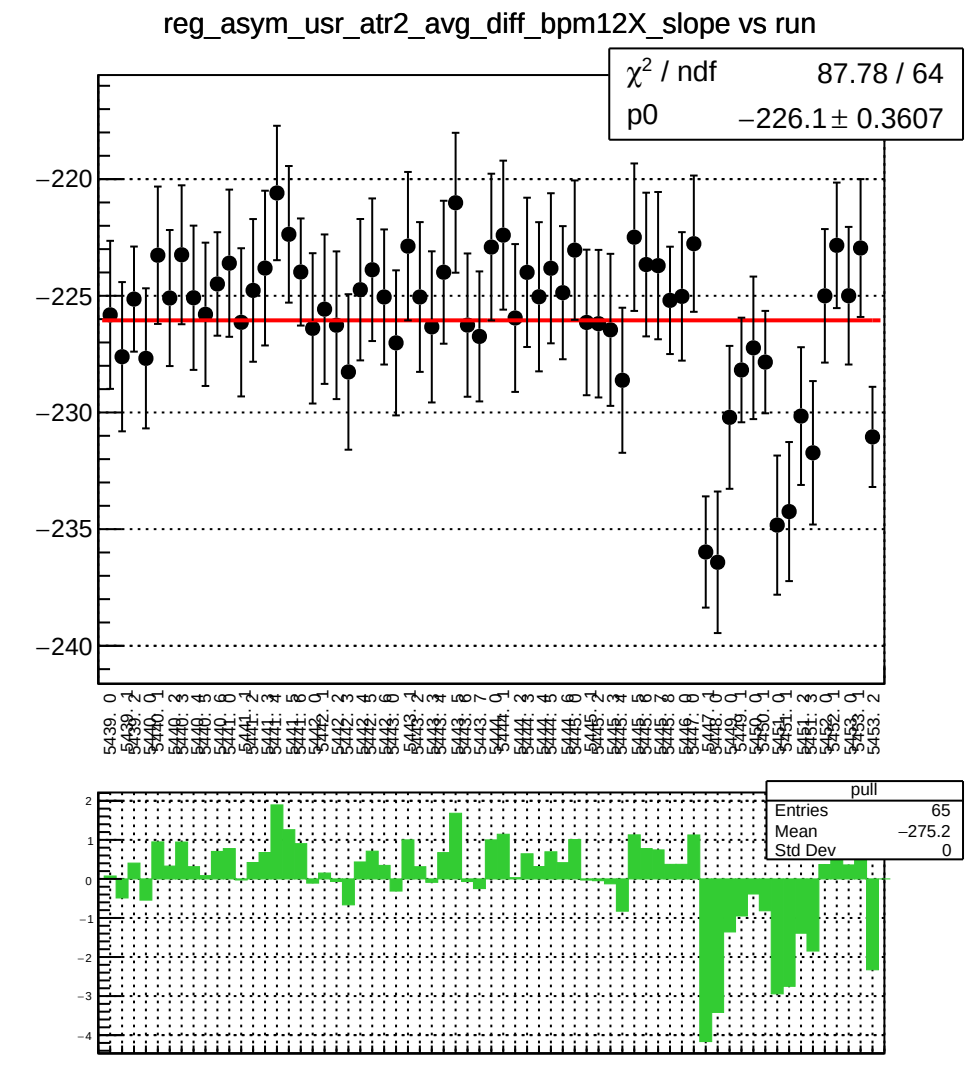

pull1D
Entries 65
Mean −0.03265
Std Dev 1.052

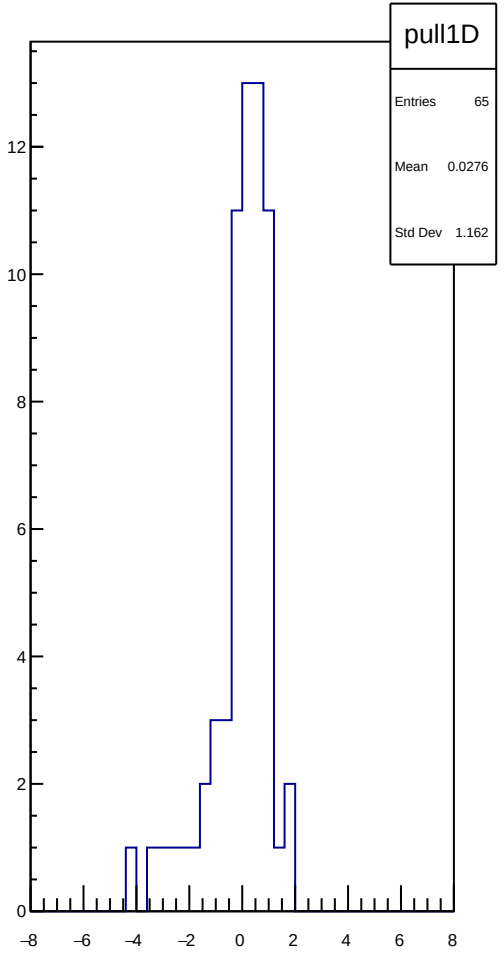

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.5 / 64
p0 11.09 ± 6.322
pull
Entries 65
Mean −17.85
Std Dev 0

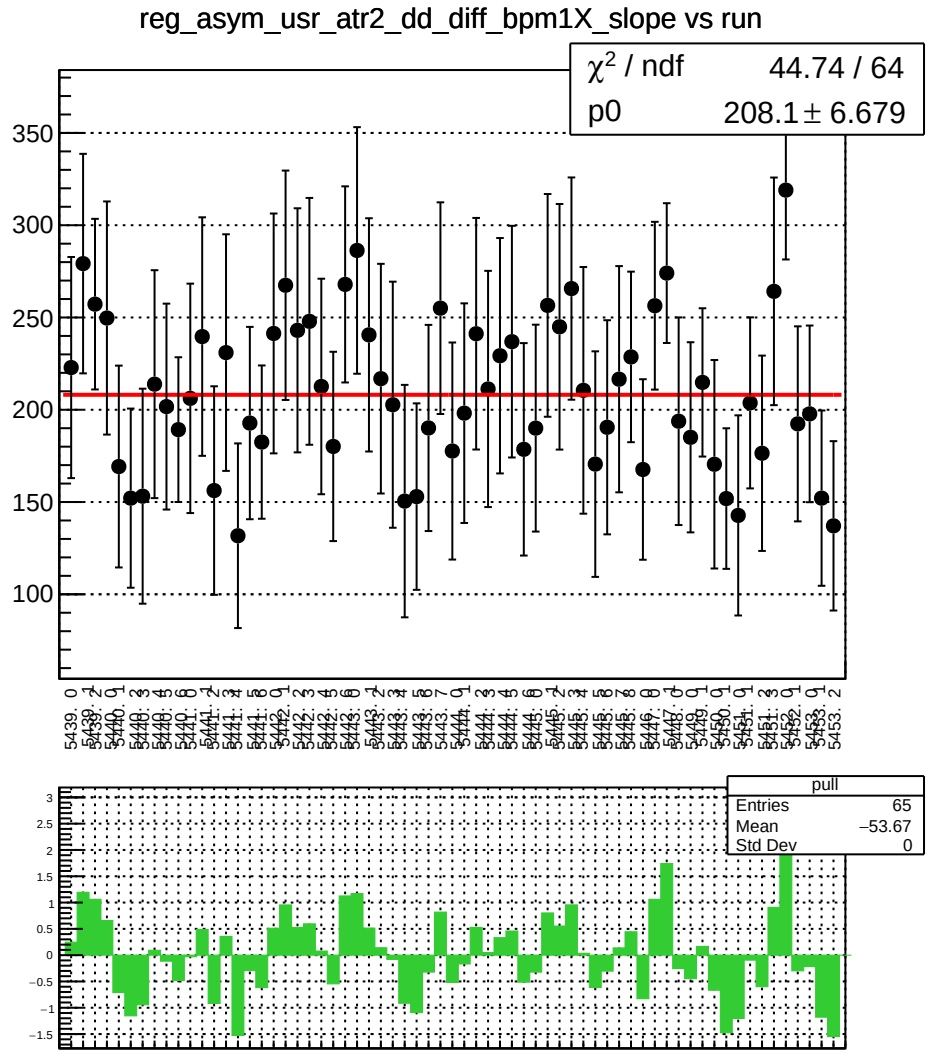

pull1D
Entries 65
Mean 0.07196
Std Dev 0.9296

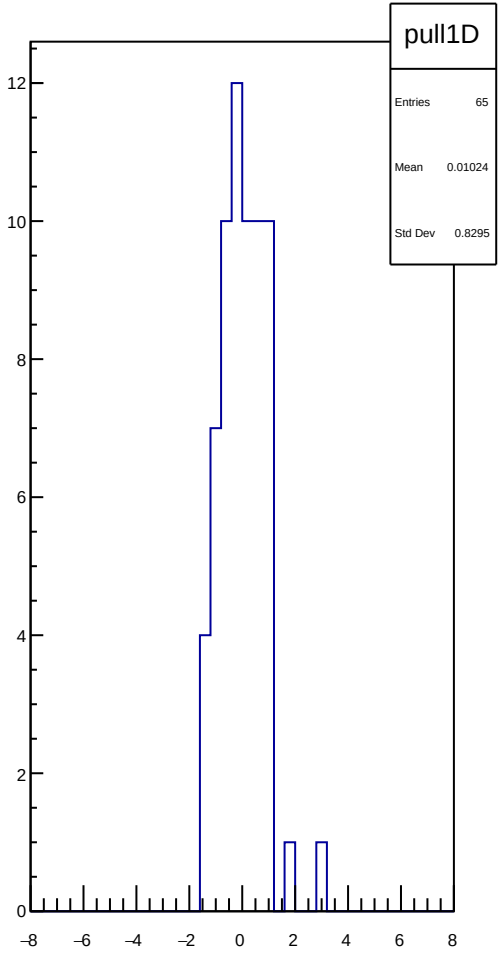

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.26 / 64
p0 307 ± 6.045
pull
Entries 65
Mean −6.945
Std Dev 0
pull1D
Entries 65
Mean 0.03742
Std Dev 1.024

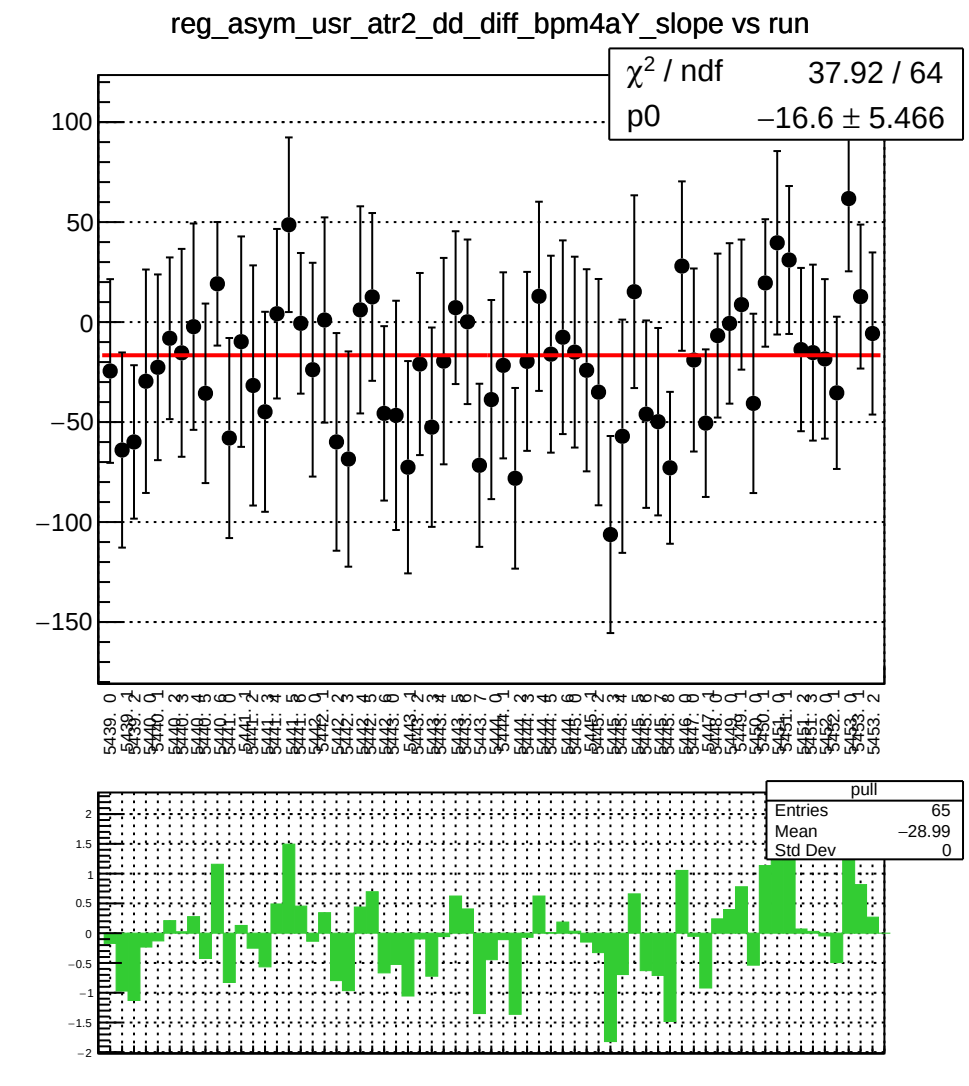

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.51 / 64
p0 111.3 ± 8.052
pull
Entries 65
Mean −16.7
Std Dev 0
pull1D
Entries 65
Mean −0.07857
Std Dev 0.9616

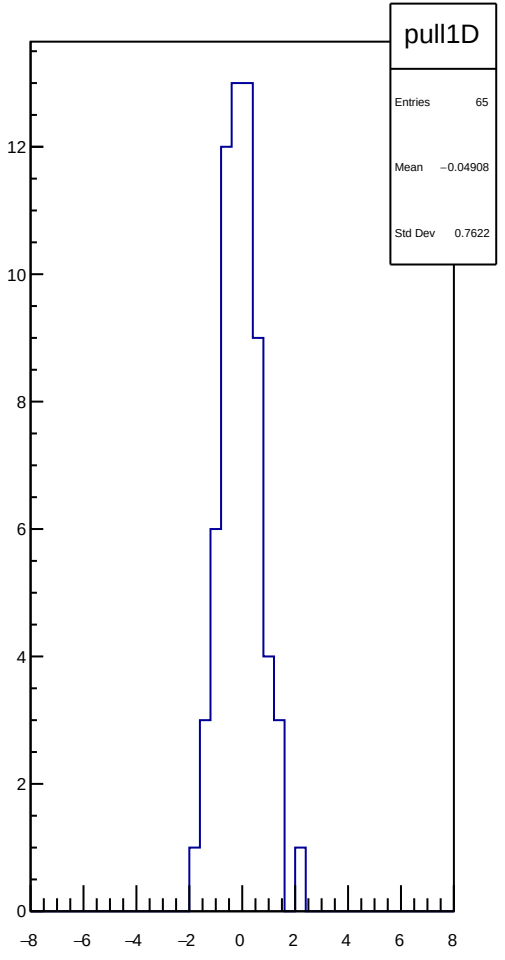

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 87.78 / 64
p0 −226.1 ± 0.3607
pull
Entries 65
Mean −275.2
Std Dev 0

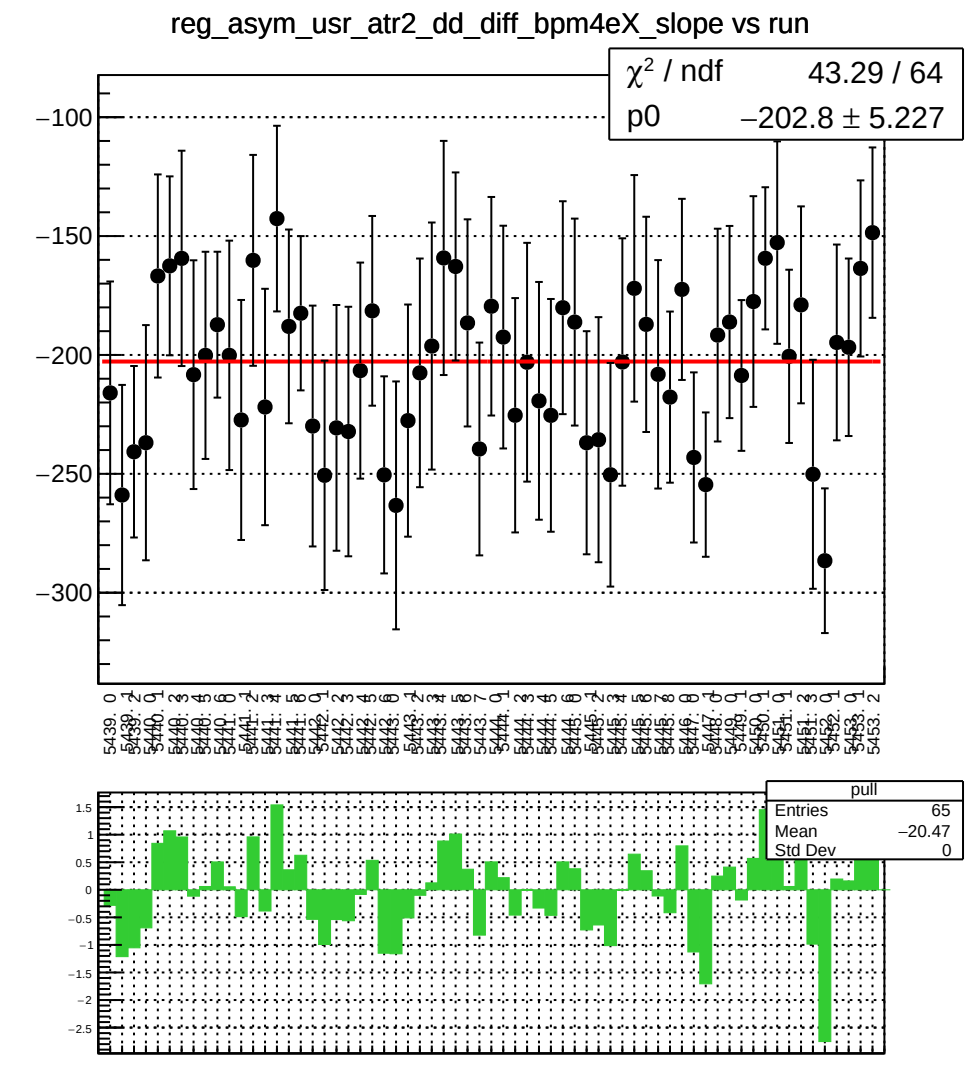

pull1D
Entries 65
Mean 0.0276
Std Dev 1.162

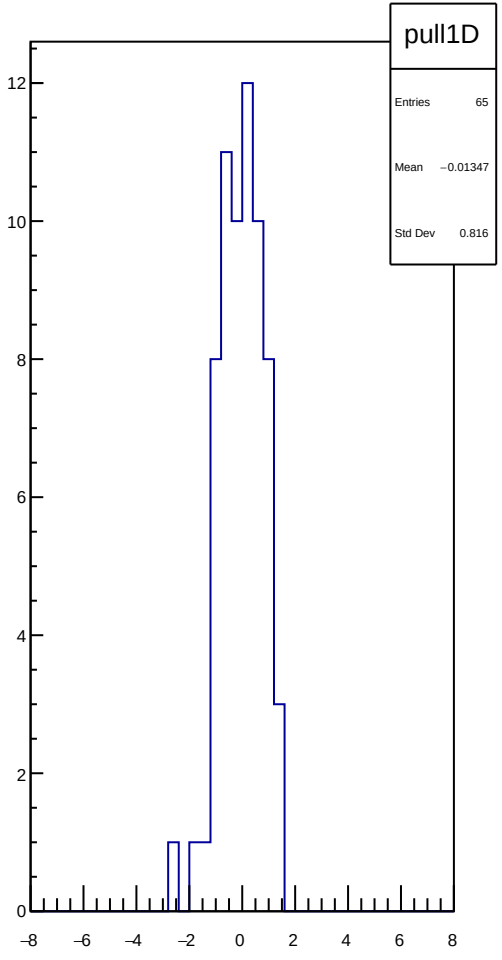

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 44.74 / 64
p0 208.1 ± 6.679
pull
Entries 65
Mean −53.67
Std Dev 0

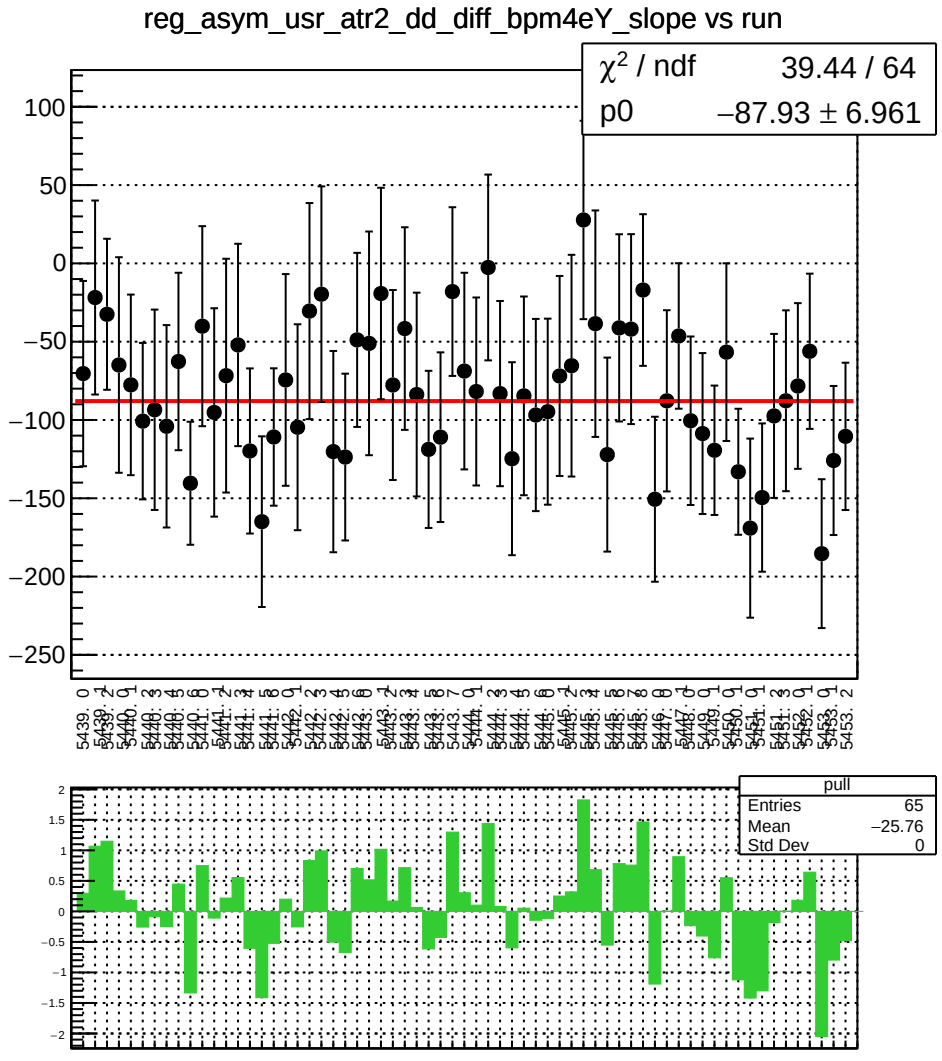

pull1D
Entries 65
Mean 0.01024
Std Dev 0.8295

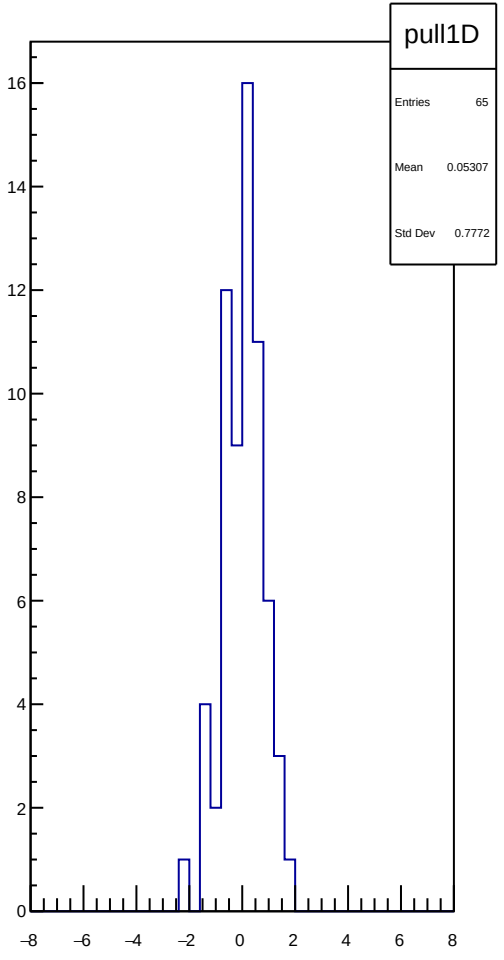

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.92 / 64
p0 −16.6 ± 5.466
pull
Entries 65
Mean −28.99
Std Dev 0

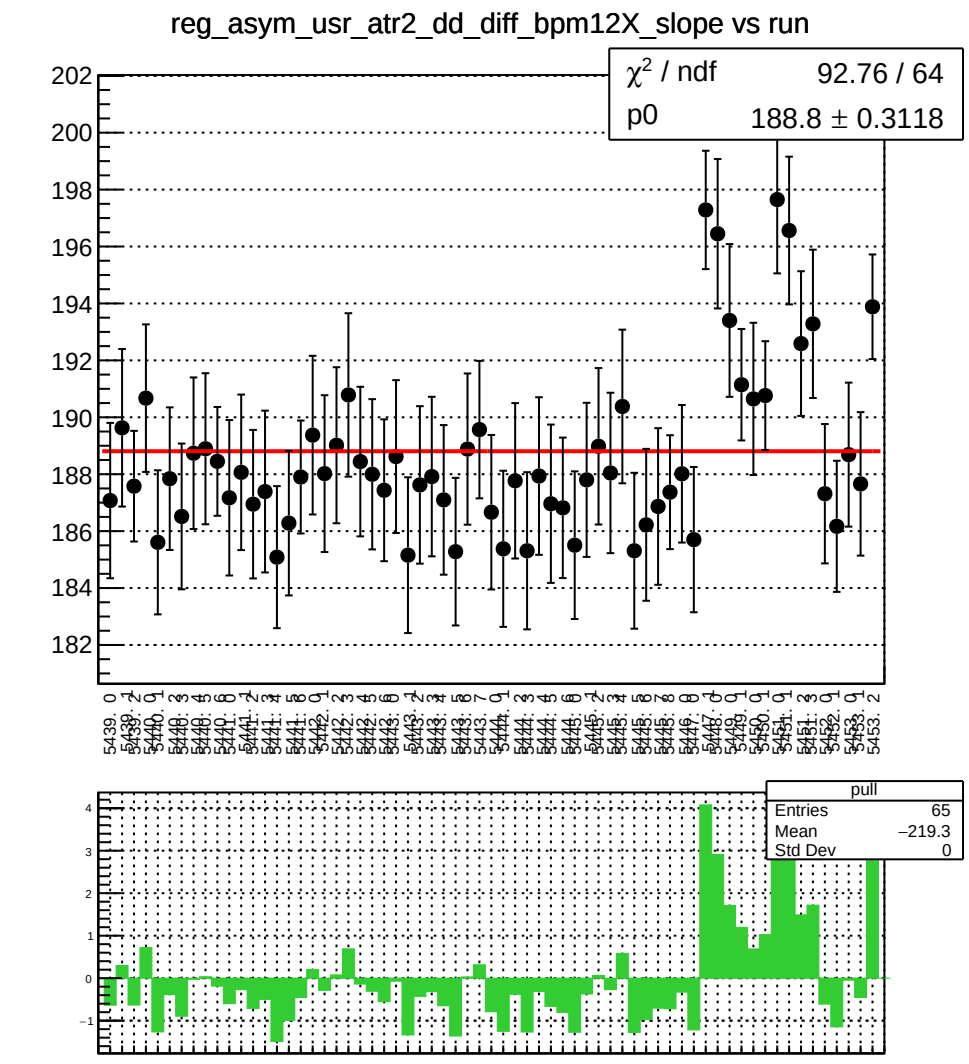

pull1D
Entries 65
Mean −0.04908
Std Dev 0.7622

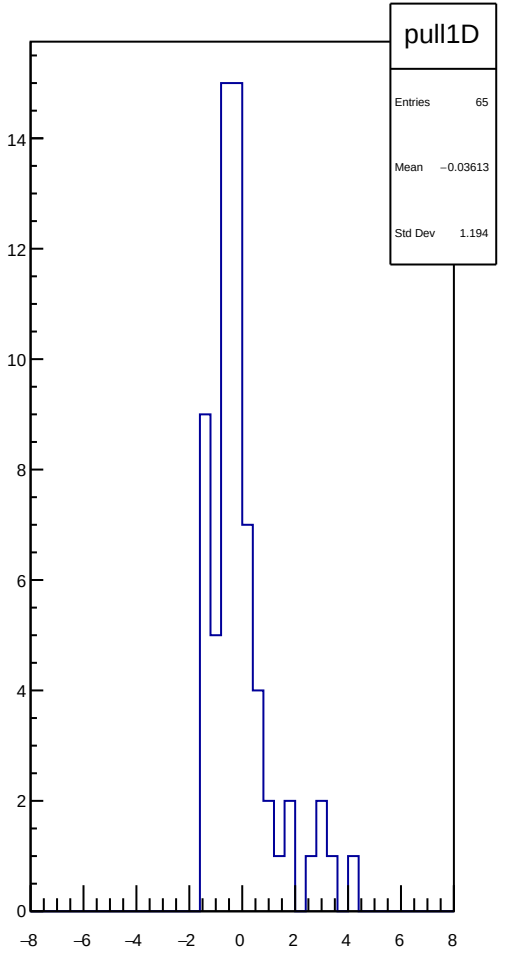

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.29 / 64
p0 −202.8 ± 5.227
pull
Entries 65
Mean −20.47
Std Dev 0

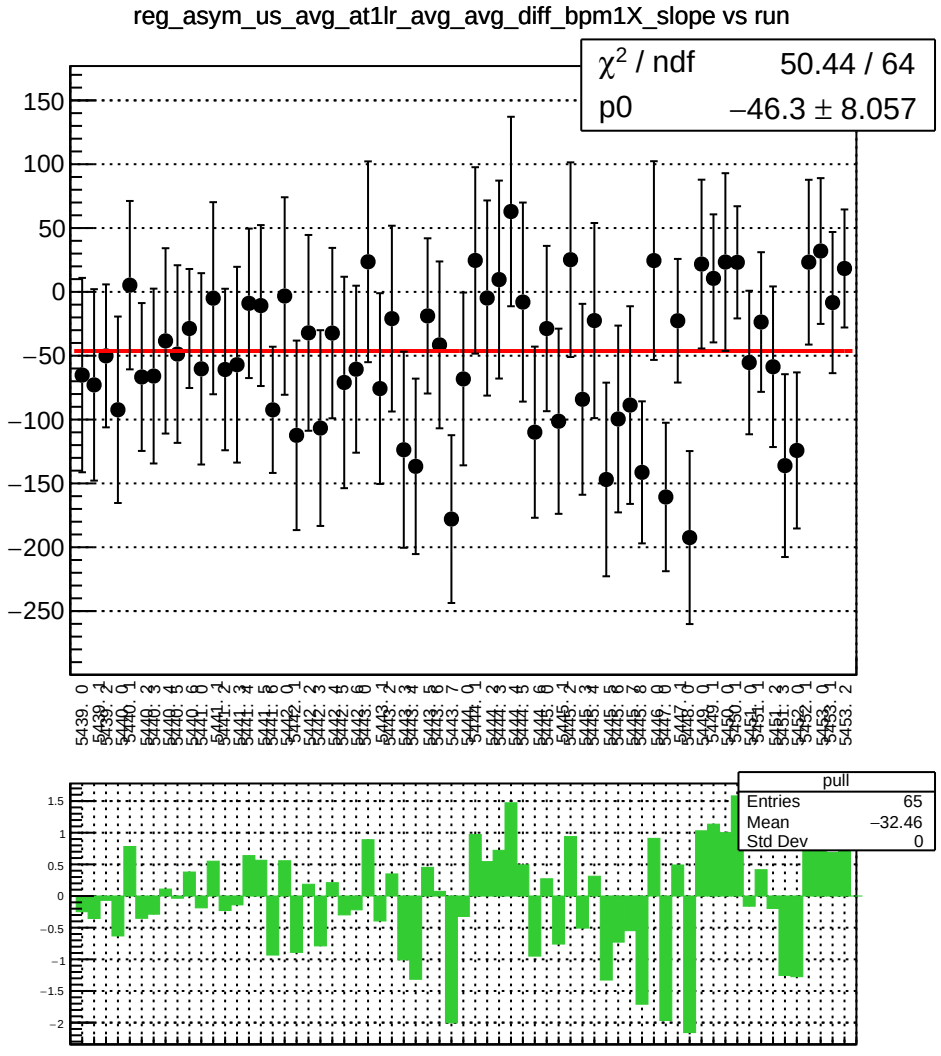

pull1D
Entries 65
Mean −0.01347
Std Dev 0.816

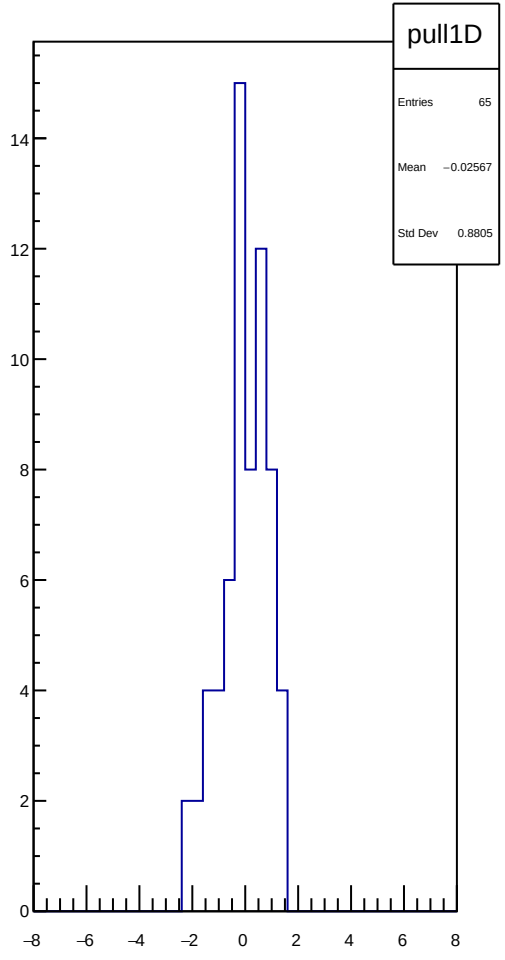

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.44 / 64
p0 −87.93 ± 6.961
pull
Entries 65
Mean −25.76
Std Dev 0

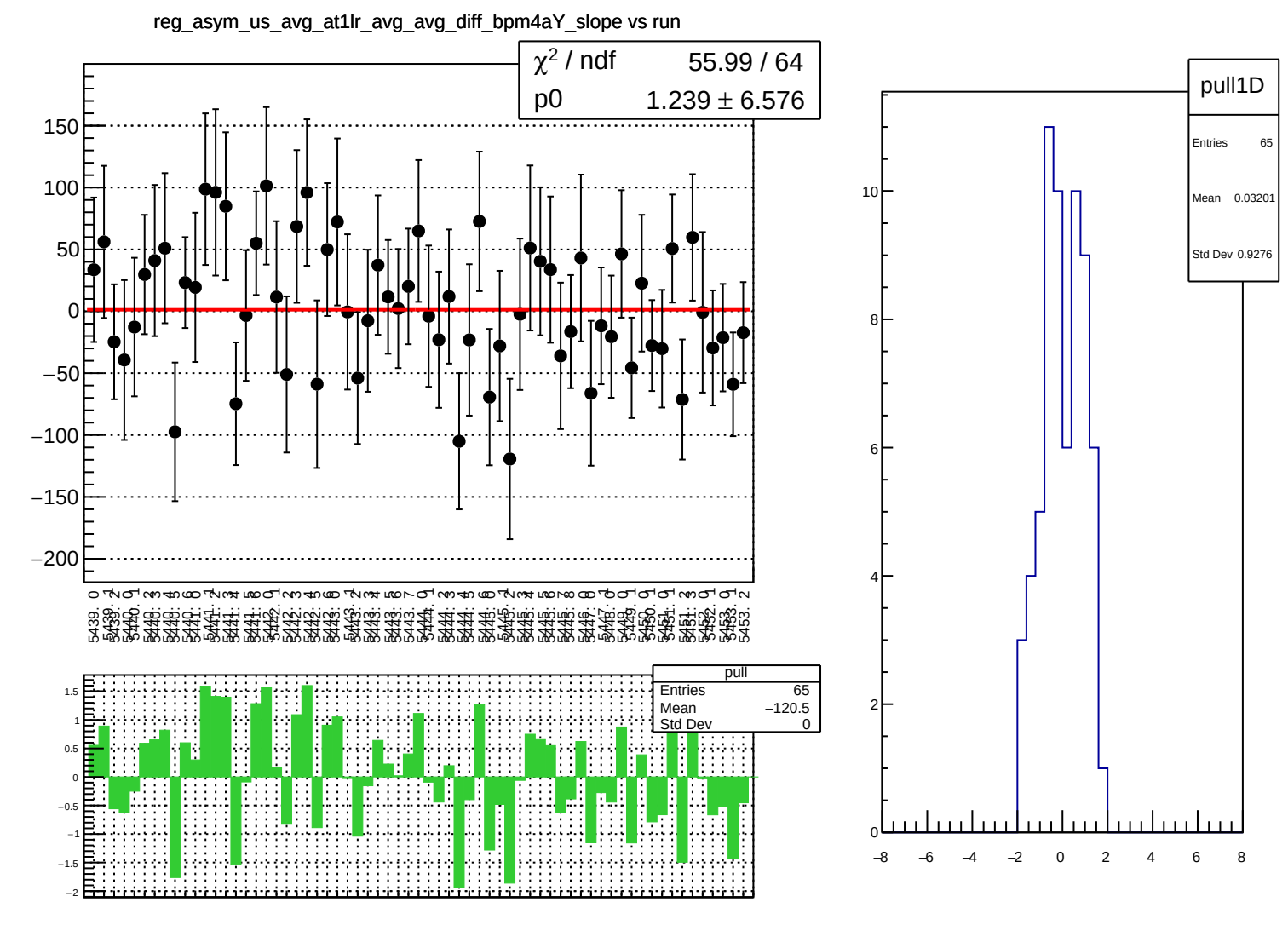

pull1D
Entries 65
Mean 0.05307
Std Dev 0.7772

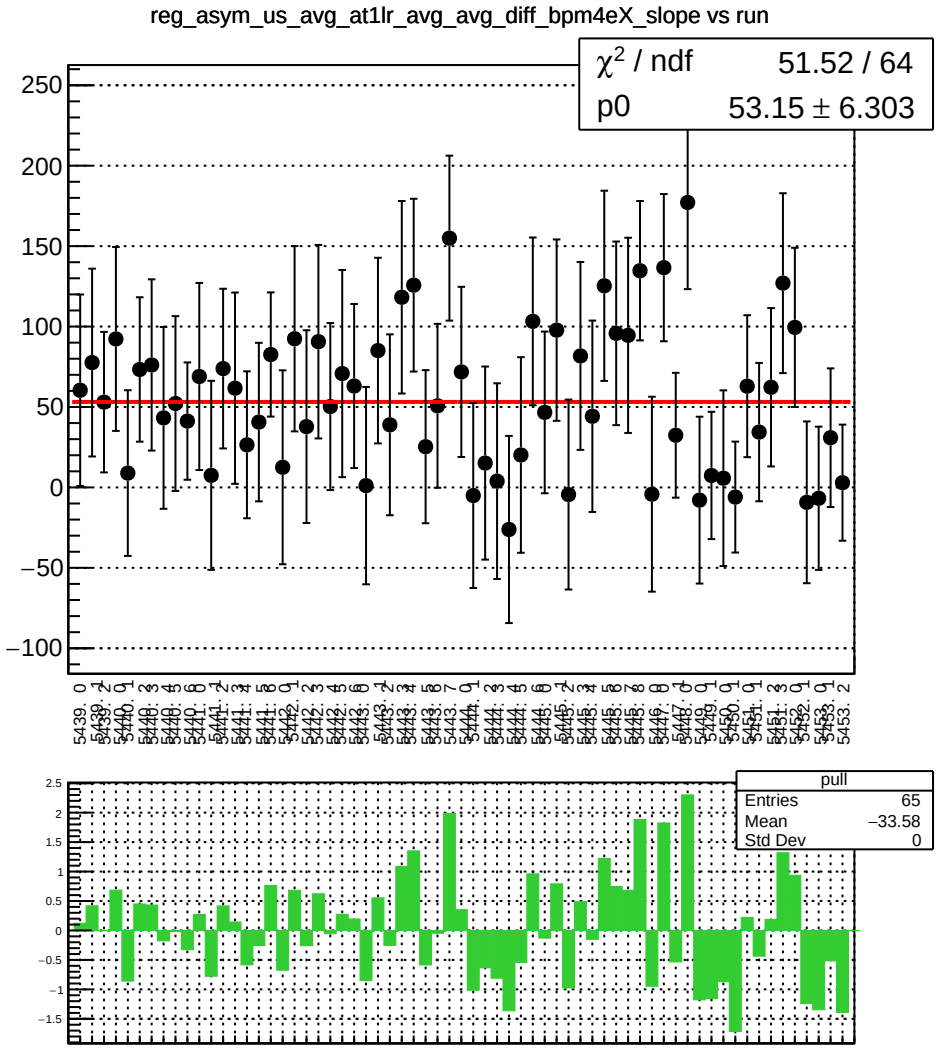

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 92.76 / 64
p0 188.8 ± 0.3118
pull
Entries 65
Mean −219.3
Std Dev 0

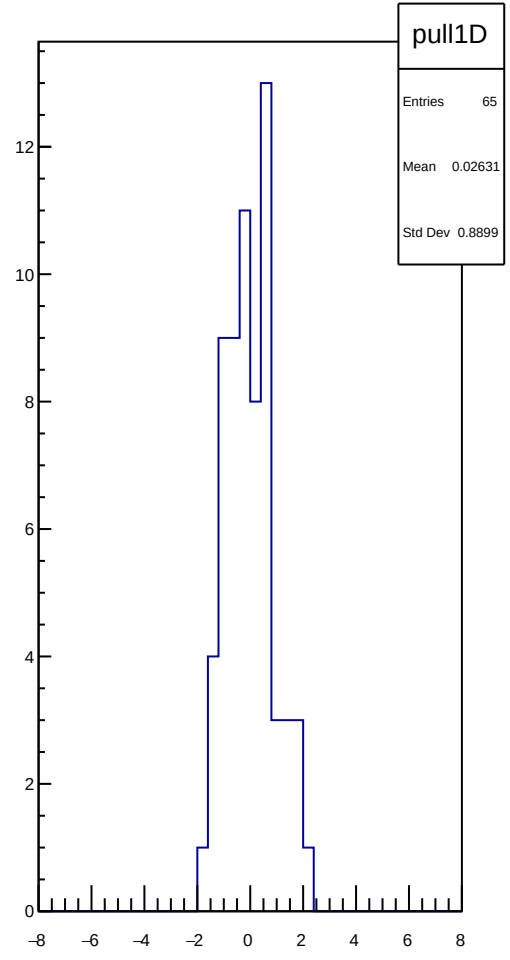

pull1D
Entries 65
Mean −0.03613
Std Dev 1.194

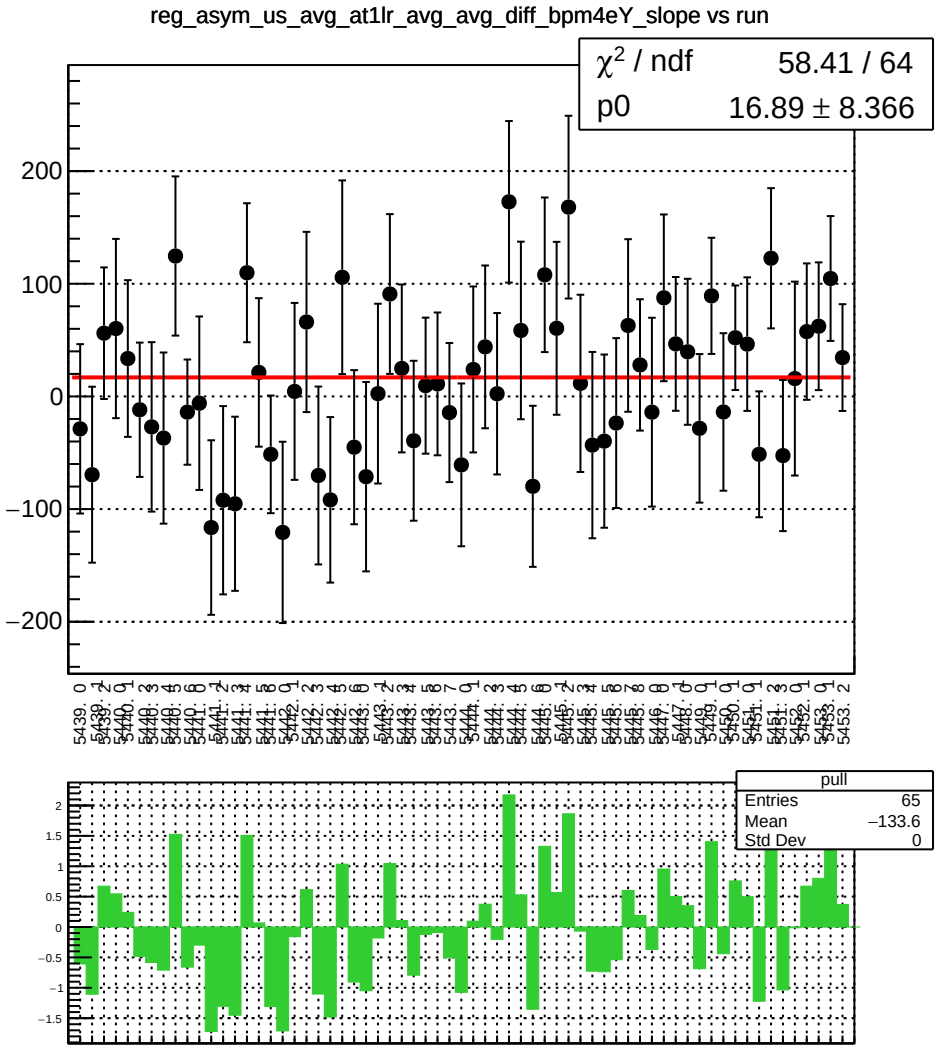

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 50.44 / 64
p0 −46.3 ± 8.057
pull
Entries 65
Mean −32.46
Std Dev 0

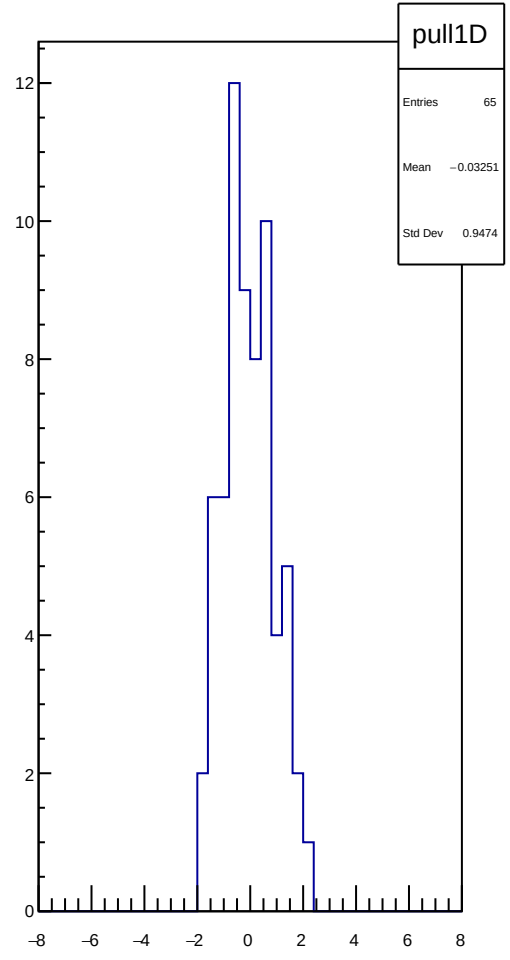

pull1D
Entries 65
Mean −0.02567
Std Dev 0.8805

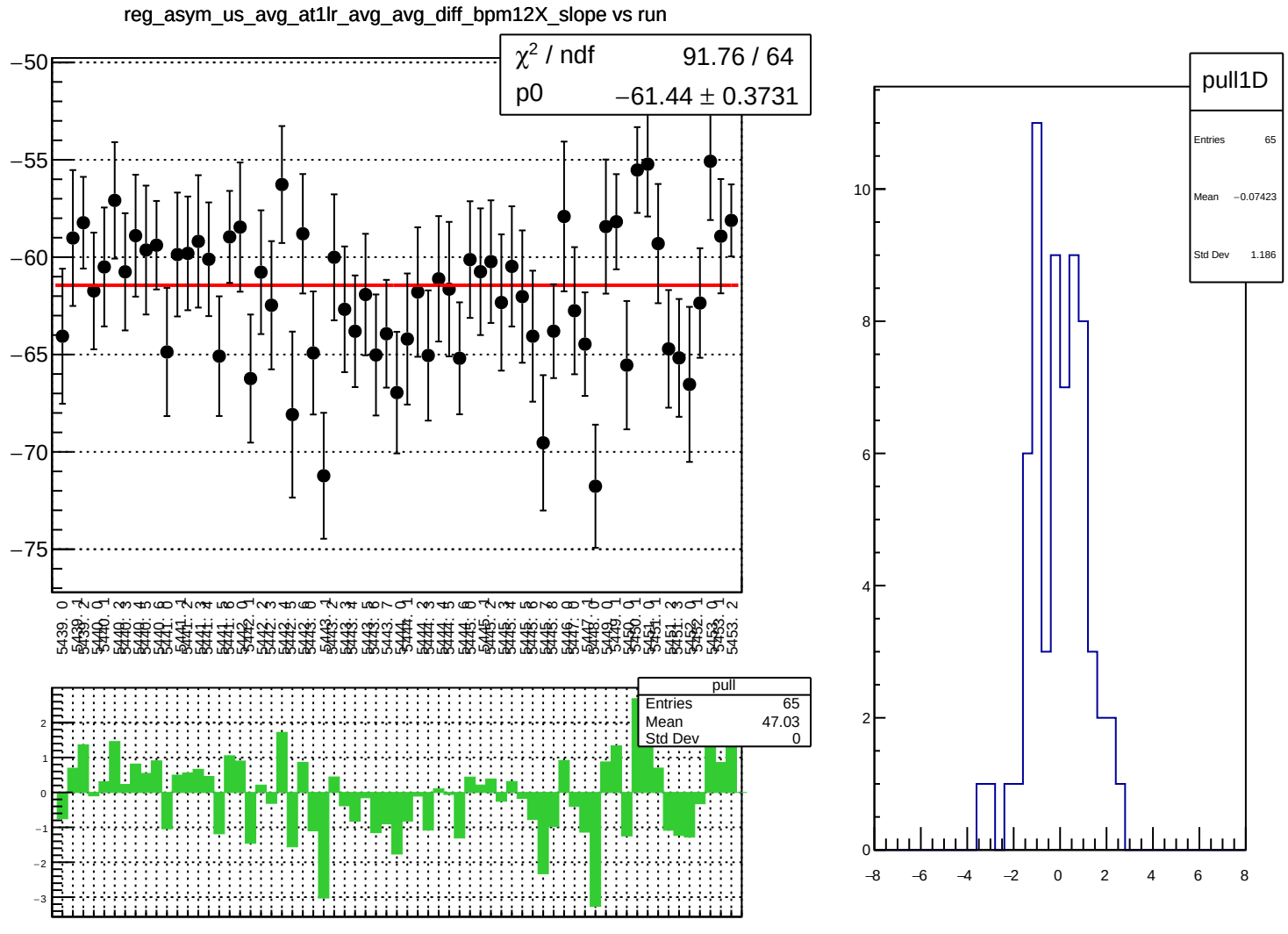

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.99 / 64
p0 1.239 ± 6.576
pull
Entries 65
Mean −120.5
Std Dev 0
pull1D
Entries 65
Mean 0.03201
Std Dev 0.9276

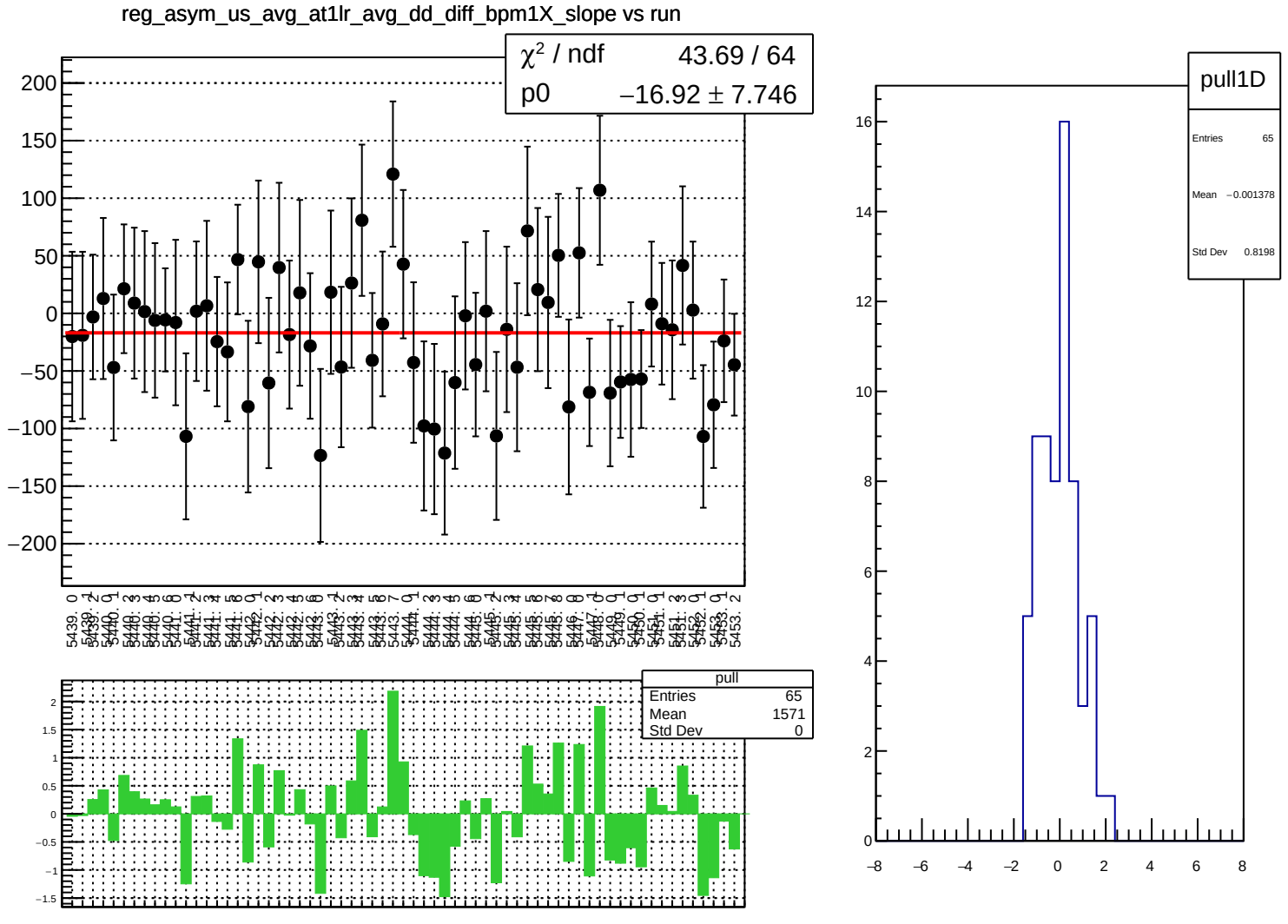

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.52 / 64
p0 53.15 ± 6.303
pull
Entries 65
Mean −33.58
Std Dev 0

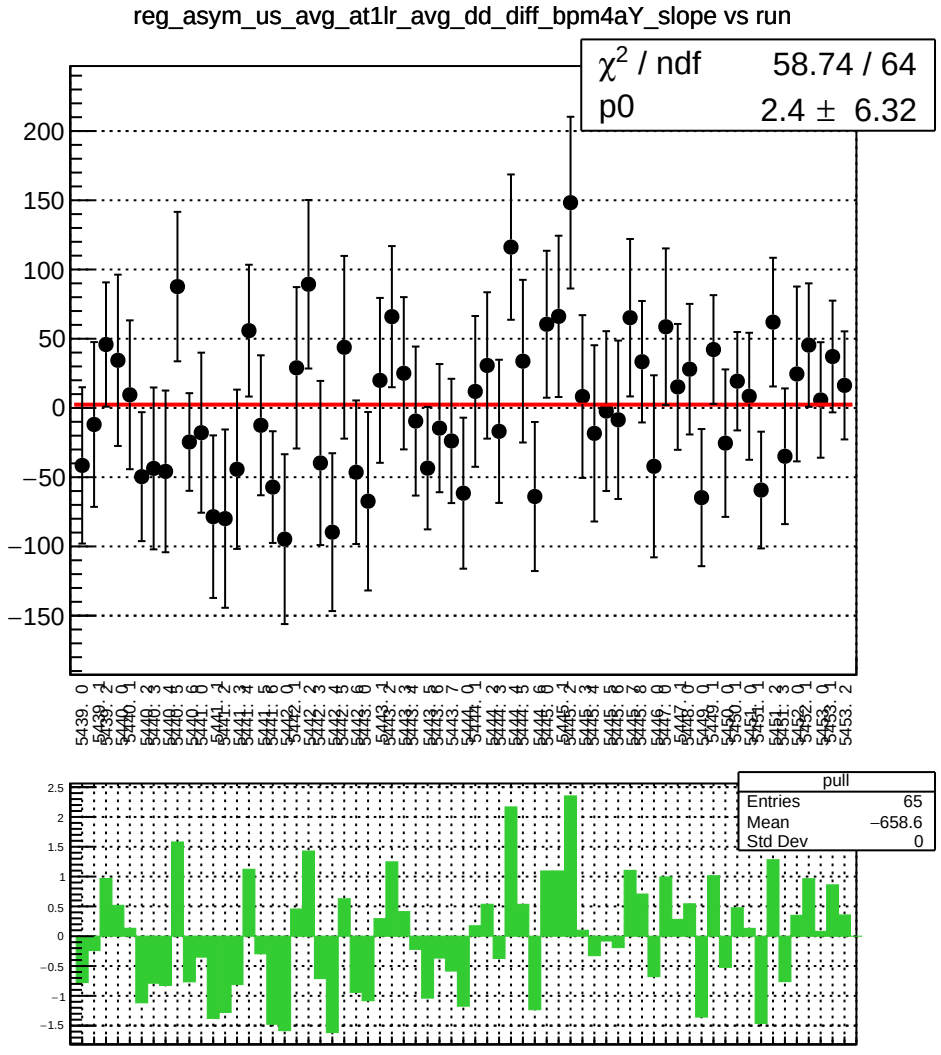

pull1D
Entries 65
Mean 0.02631
Std Dev 0.8899

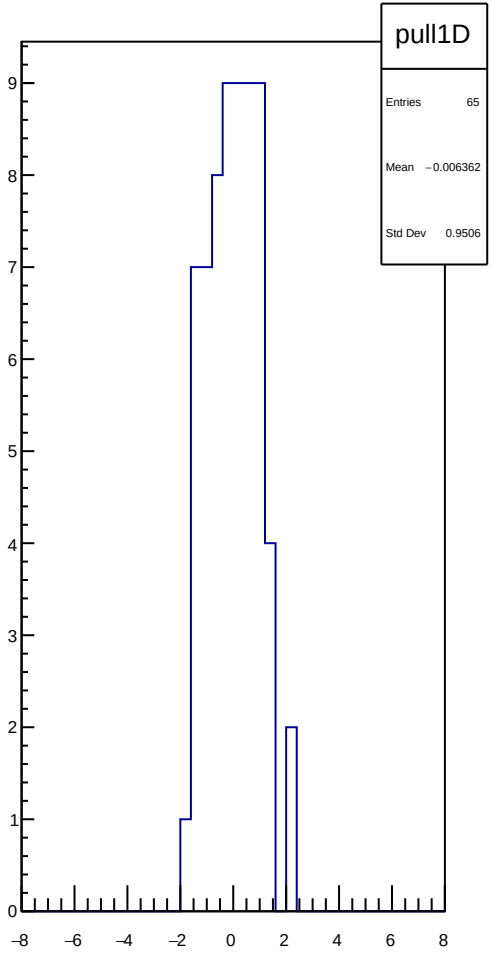

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.41 / 64
p0 16.89 ± 8.366
pull
Entries 65
Mean −133.6
Std Dev 0

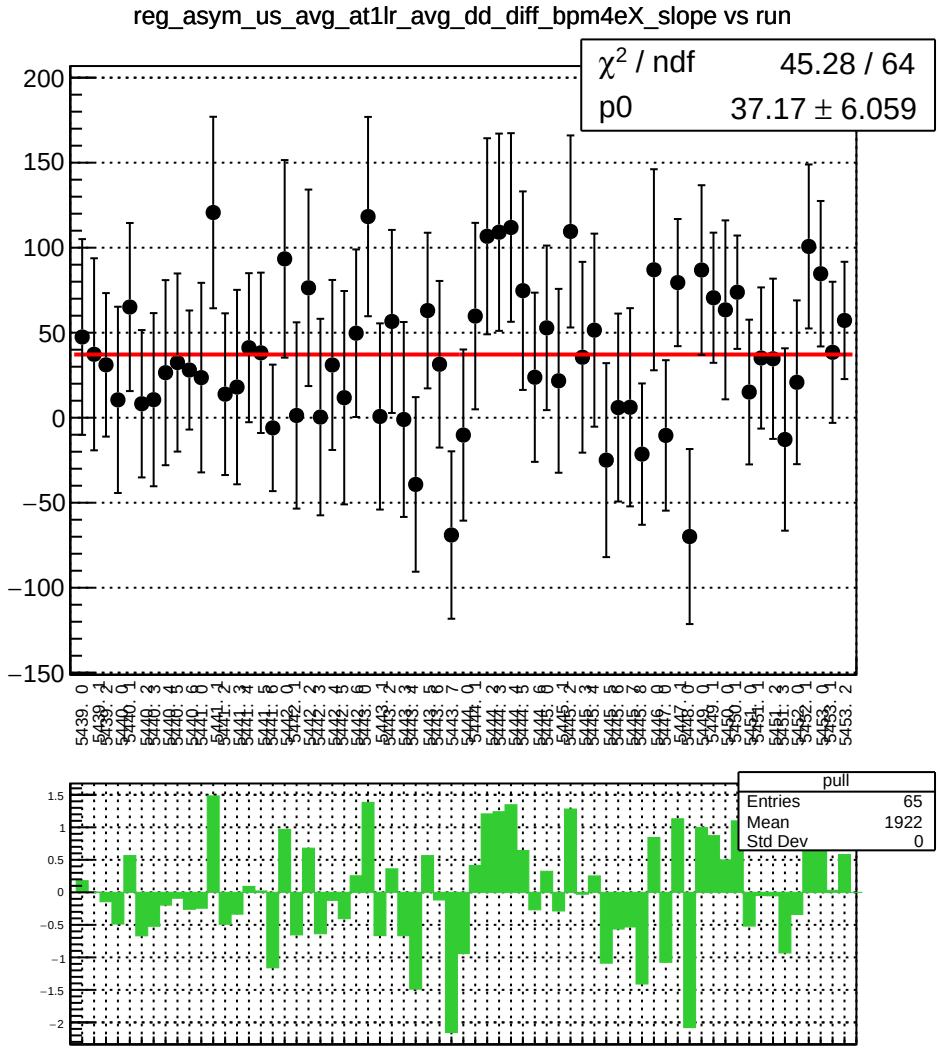

pull1D
Entries 65
Mean −0.03251
Std Dev 0.9474

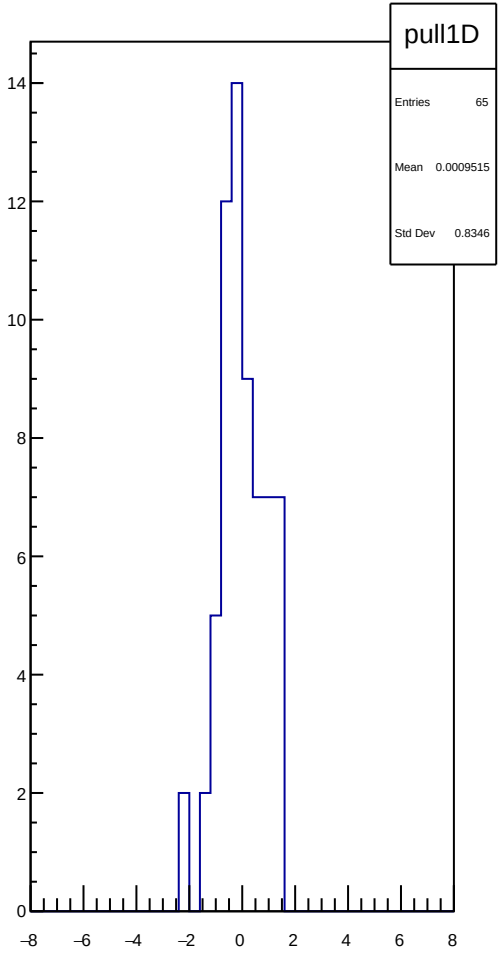

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 91.76 / 64
p0 −61.44 ± 0.3731
−50
−55
−60
−65
−70
−75
pull
Entries 65
Mean 47.03
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 65
Mean −0.07423
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

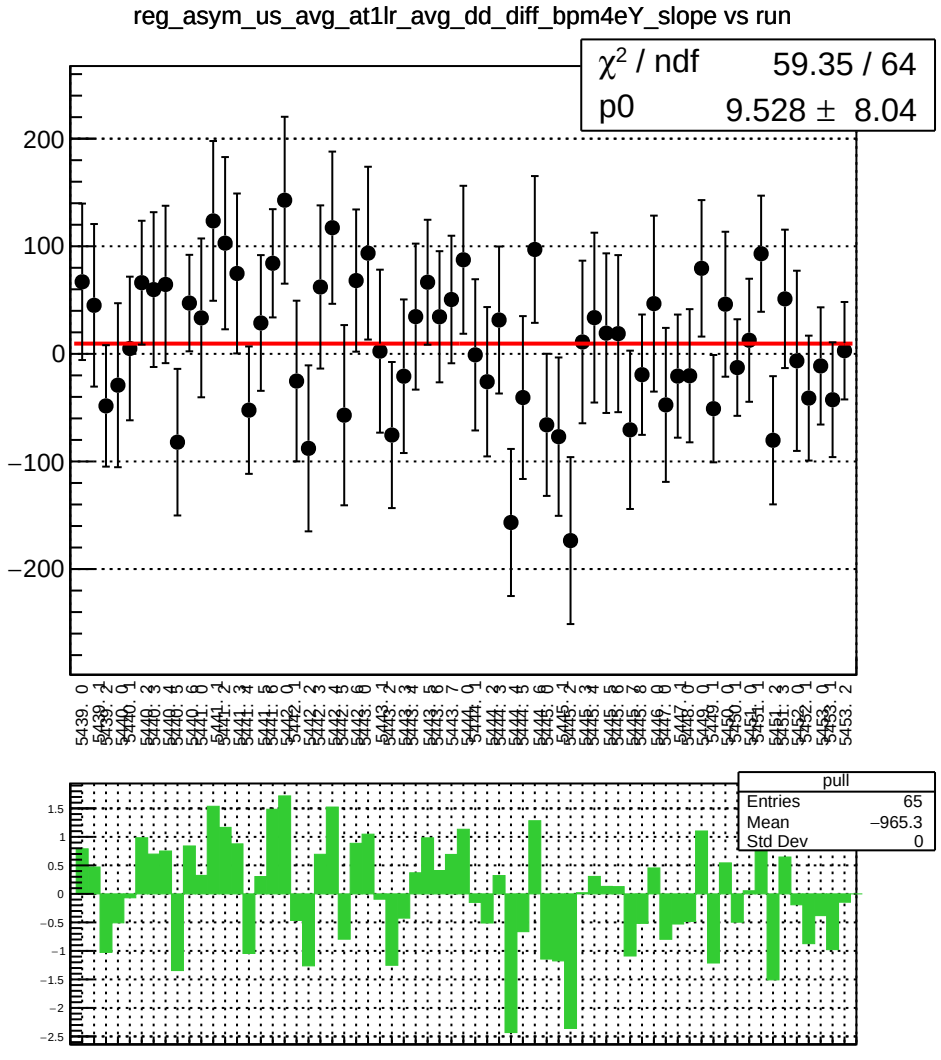

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 43.69 / 64
p0 −16.92 ± 7.746
pull
Entries 65
Mean 1571
Std Dev 0
pull1D
Entries 65
Mean −0.001378
Std Dev 0.8198

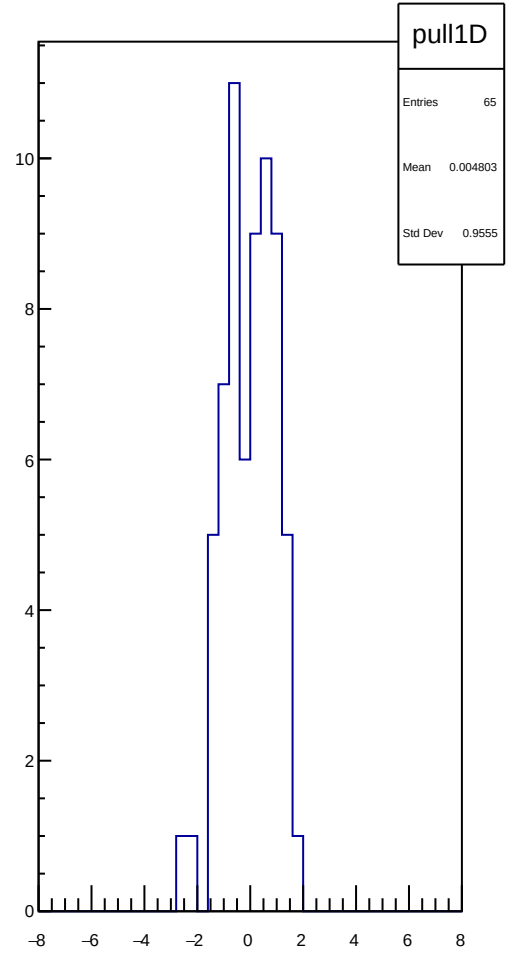

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.74 / 64
p0 2.4 ± 6.32
pull
Entries 65
Mean −658.6
Std Dev 0

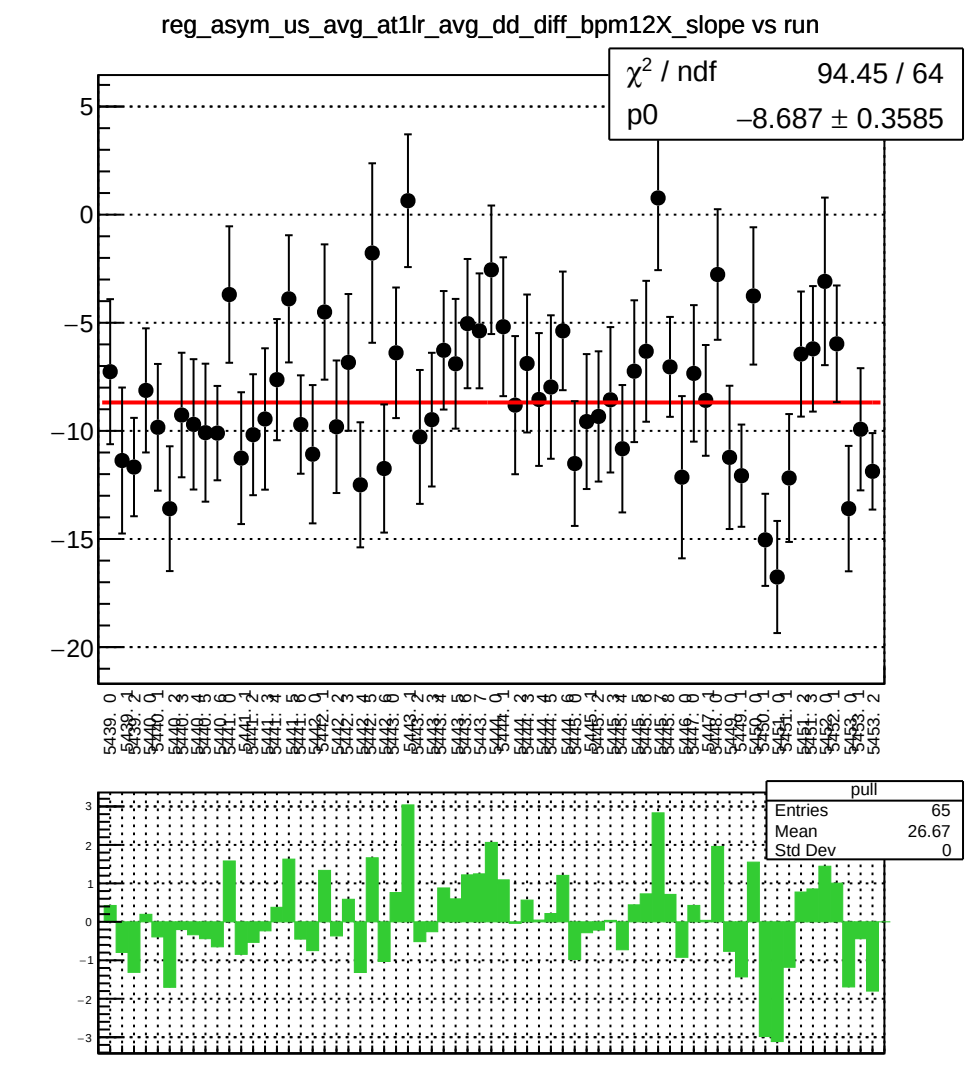

pull1D
Entries 65
Mean −0.006362
Std Dev 0.9506

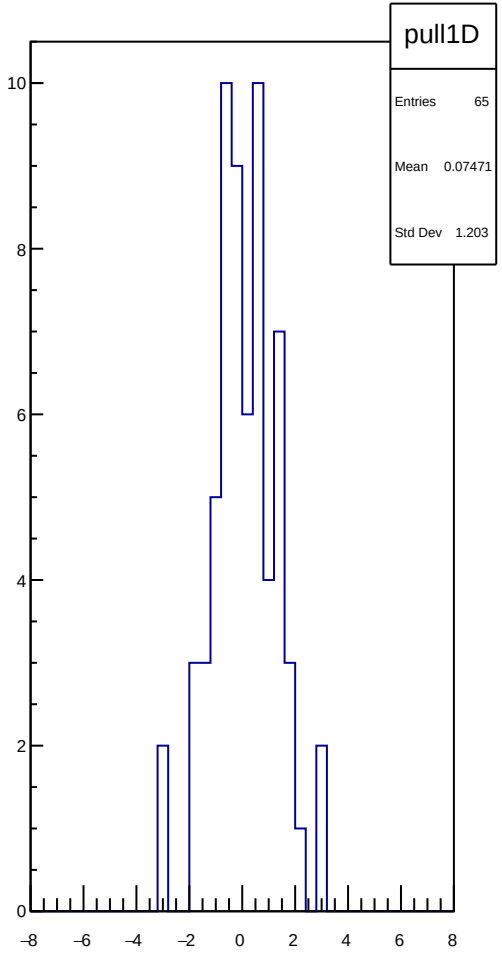

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.28 / 64
p0 37.17 ± 6.059
pull
Entries 65
Mean 1922
Std Dev 0

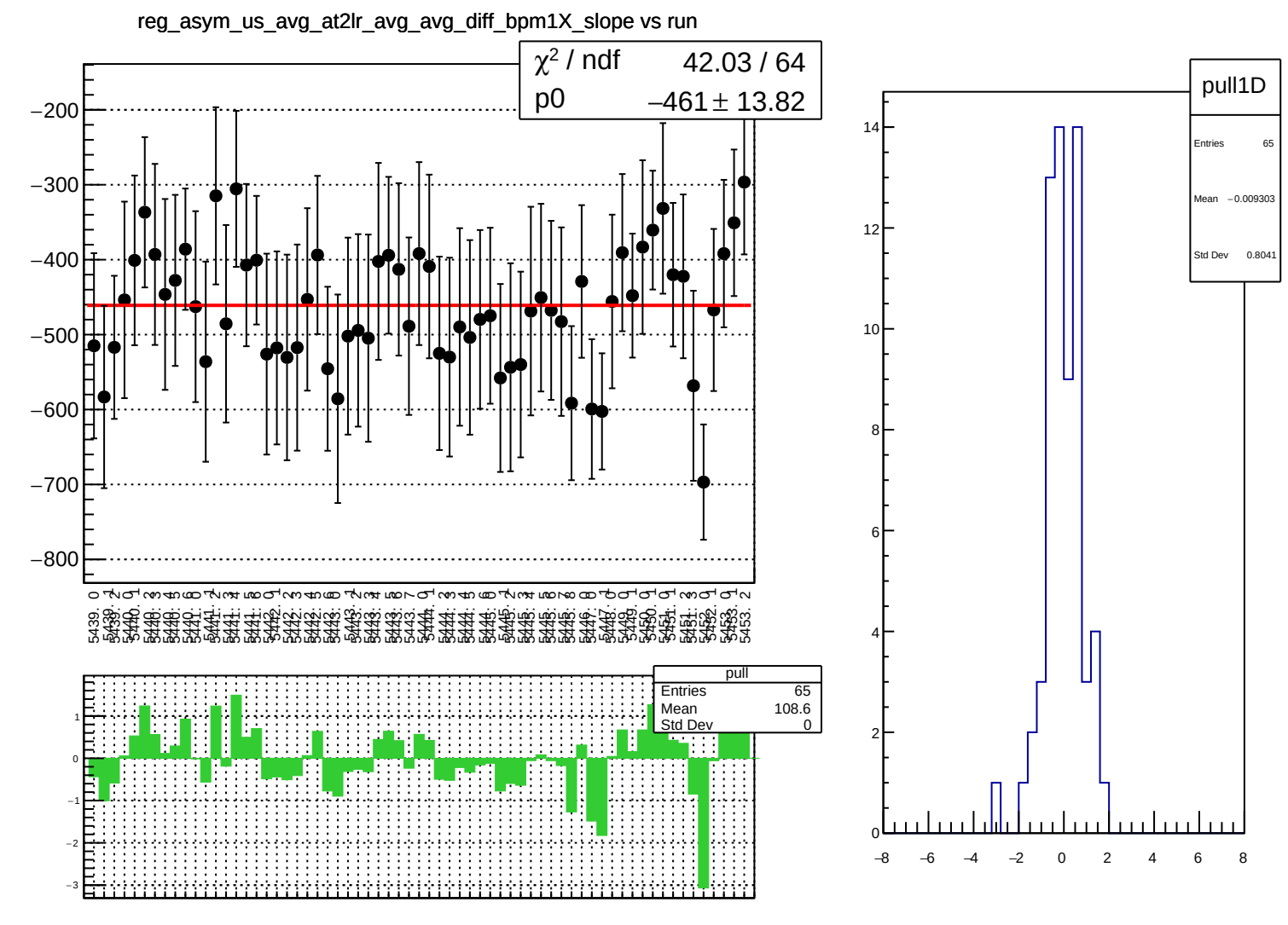

pull1D
Entries 65
Mean 0.0009515
Std Dev 0.8346

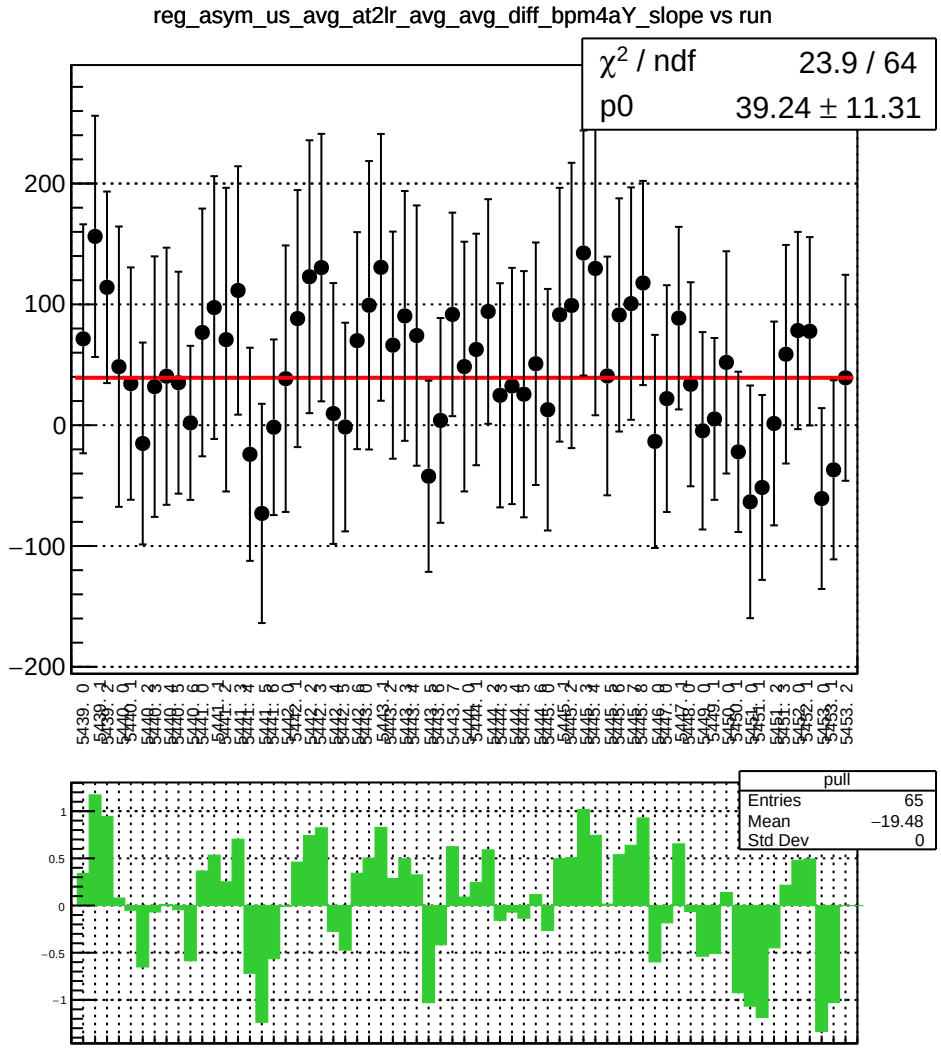

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.35 / 64
p0 9.528 ± 8.04
pull
Entries 65
Mean −965.3
Std Dev 0

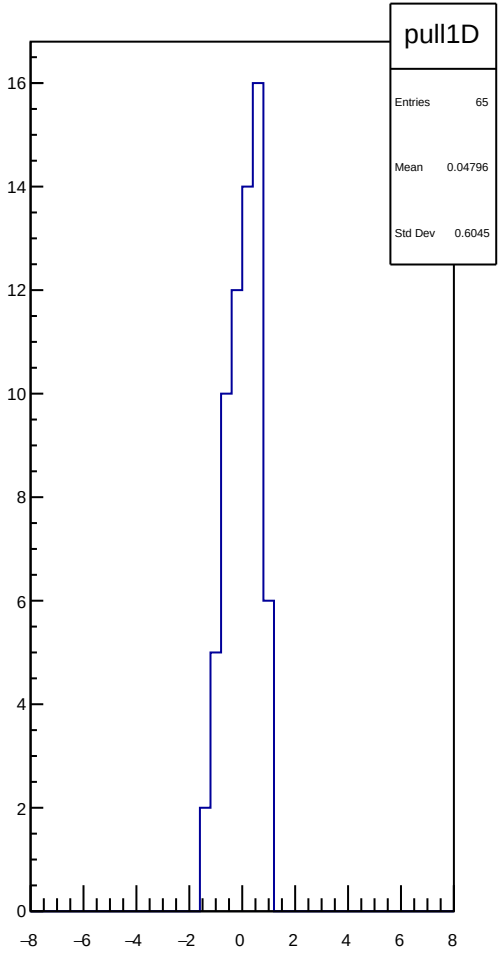

pull1D
Entries 65
Mean 0.004803
Std Dev 0.9555

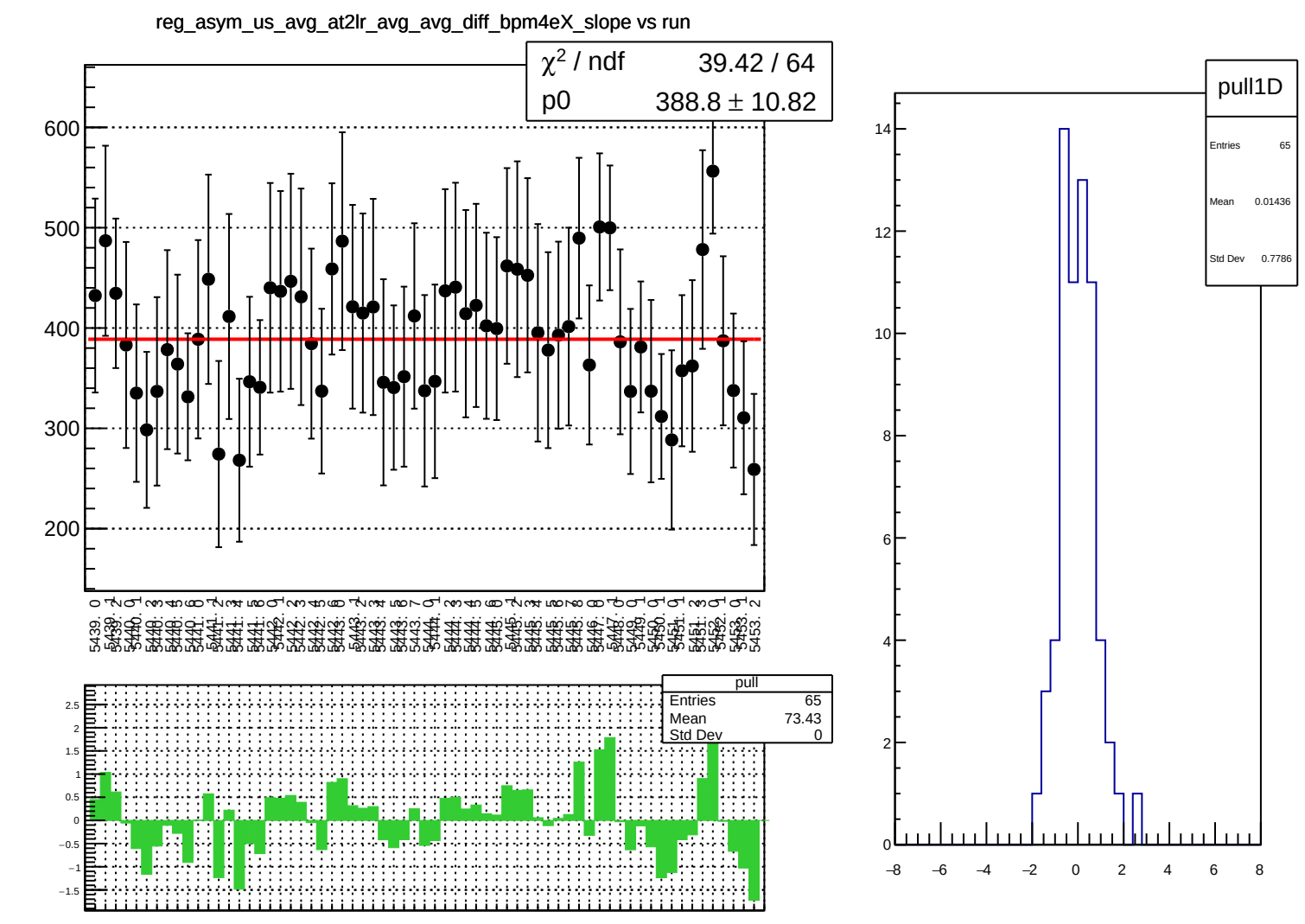

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 94.45 / 64
p0 −8.687 ± 0.3585
pull
Entries 65
Mean 26.67
Std Dev 0

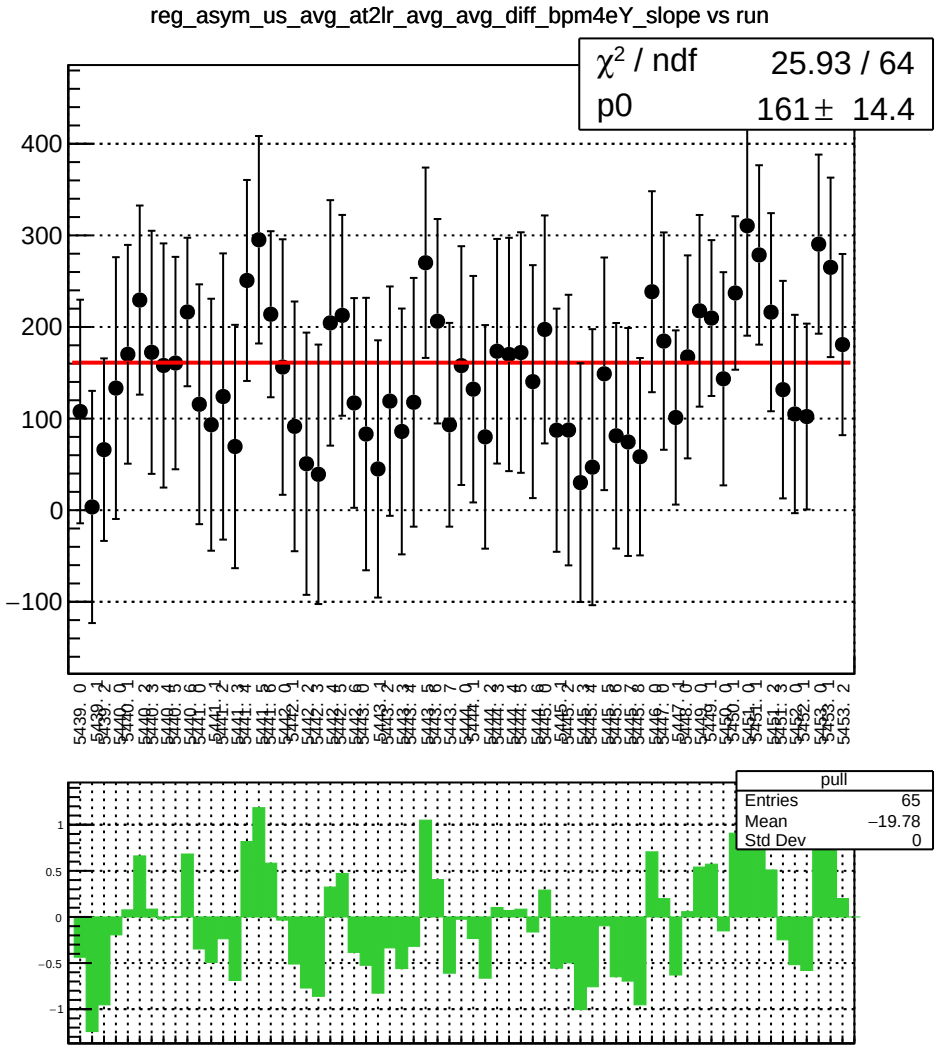

pull1D
Entries 65
Mean 0.07471
Std Dev 1.203

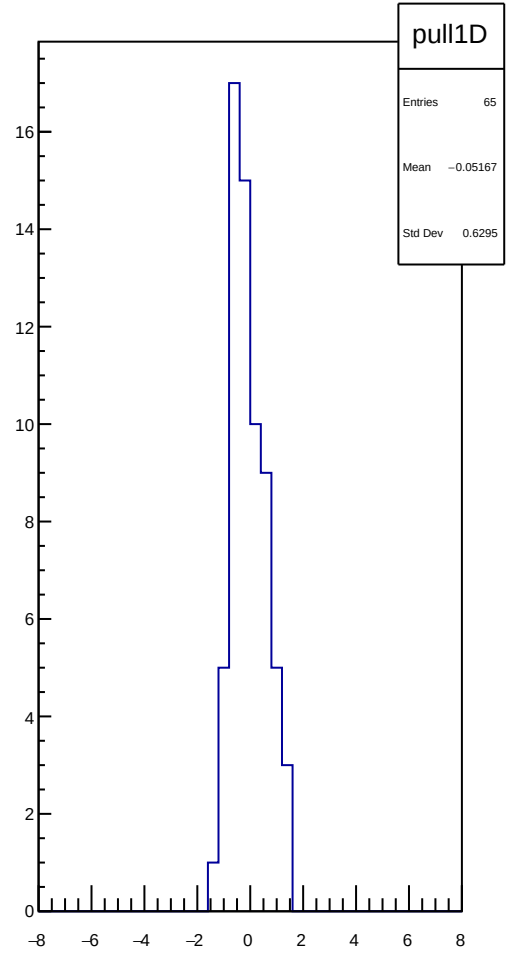

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 42.03 / 64
p0 −461 ± 13.82
pull
Entries 65
Mean 108.6
Std Dev 0
pull1D
Entries 65
Mean −0.009303
Std Dev 0.8041

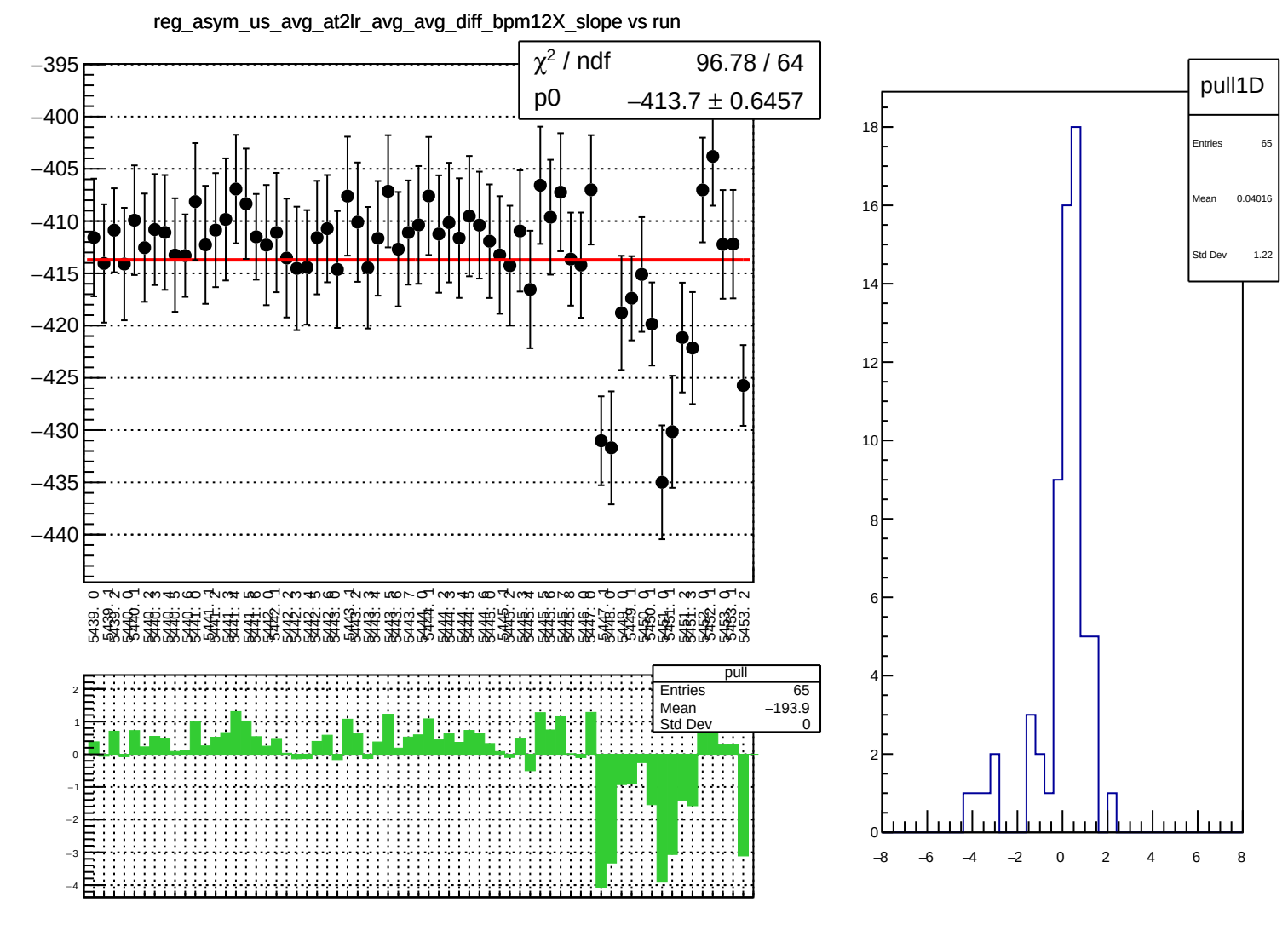

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.9 / 64
p0 39.24 ± 11.31
pull
Entries 65
Mean −19.48
Std Dev 0

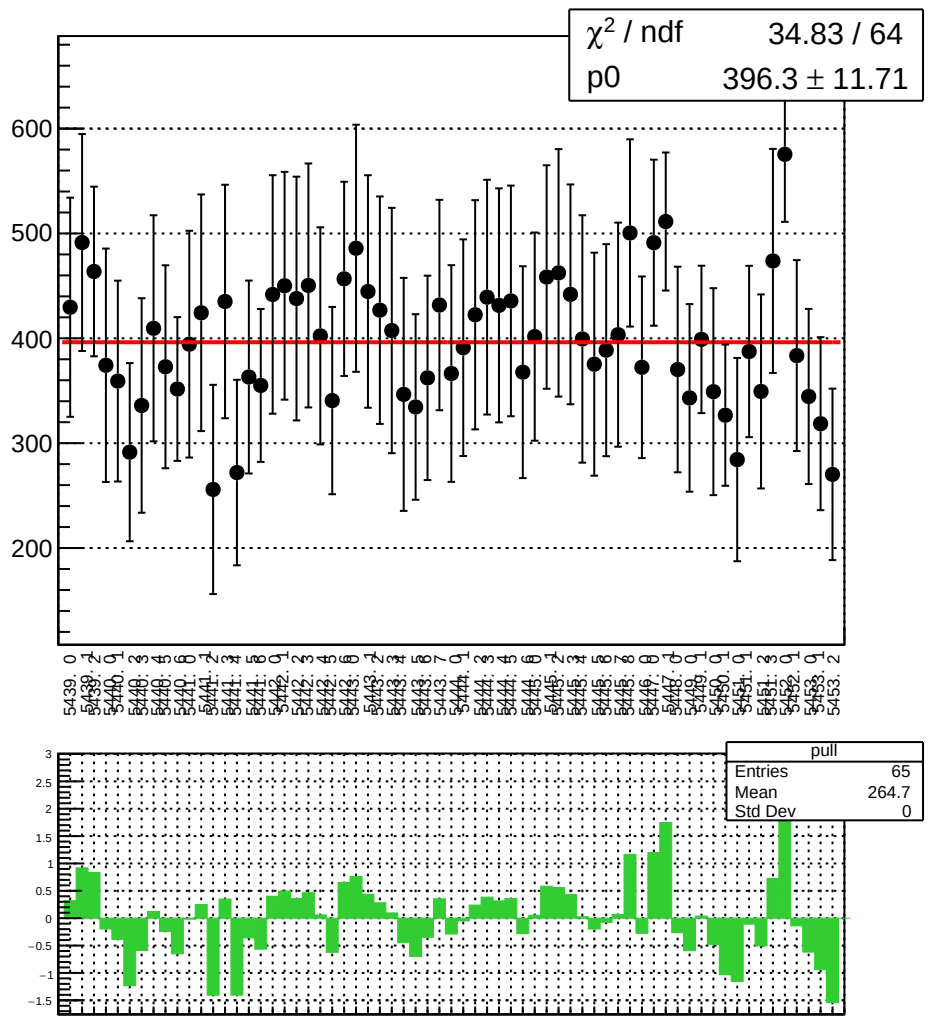

pull1D
Entries 65
Mean 0.04796
Std Dev 0.6045

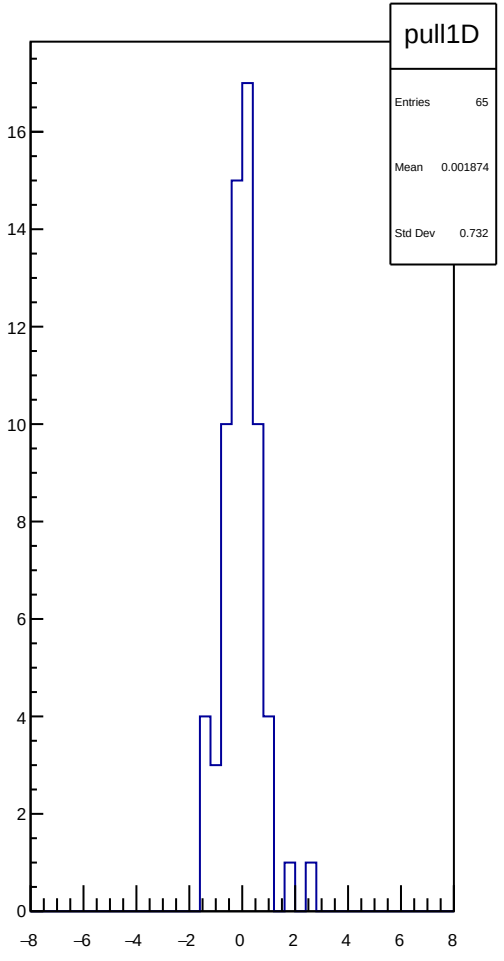

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.42 / 64
p0 388.8 ± 10.82
pull
Entries 65
Mean 73.43
Std Dev 0
pull1D
Entries 65
Mean 0.01436
Std Dev 0.7786

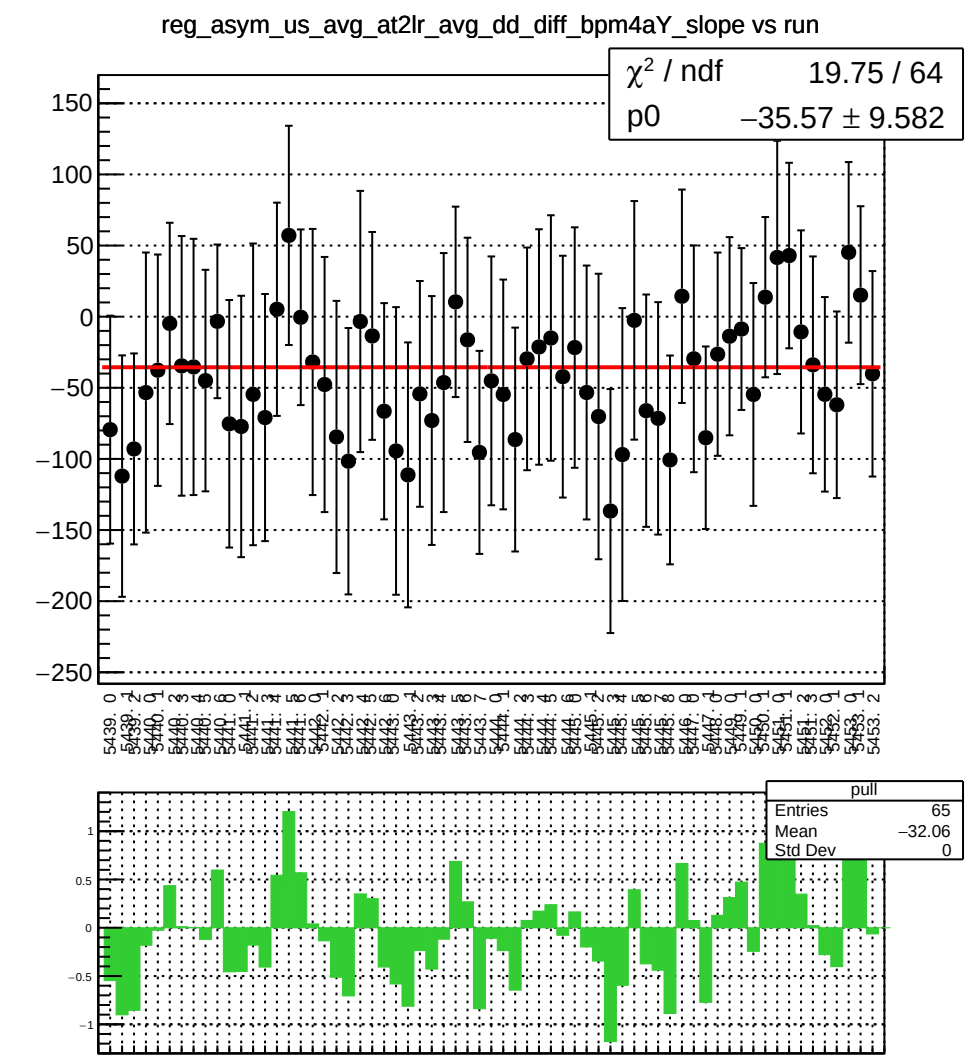

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.93 / 64
p0 161 ± 14.4
pull
Entries 65
Mean −19.78
Std Dev 0

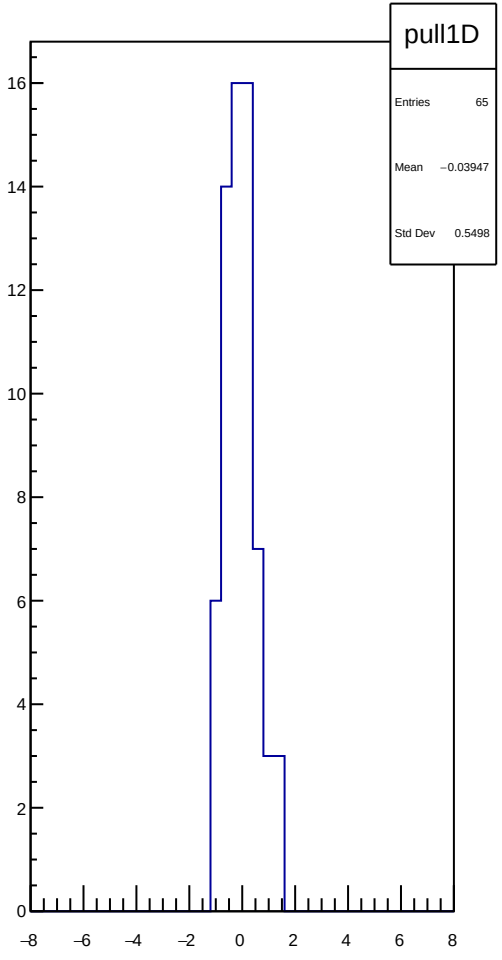

pull1D
Entries 65
Mean −0.05167
Std Dev 0.6295

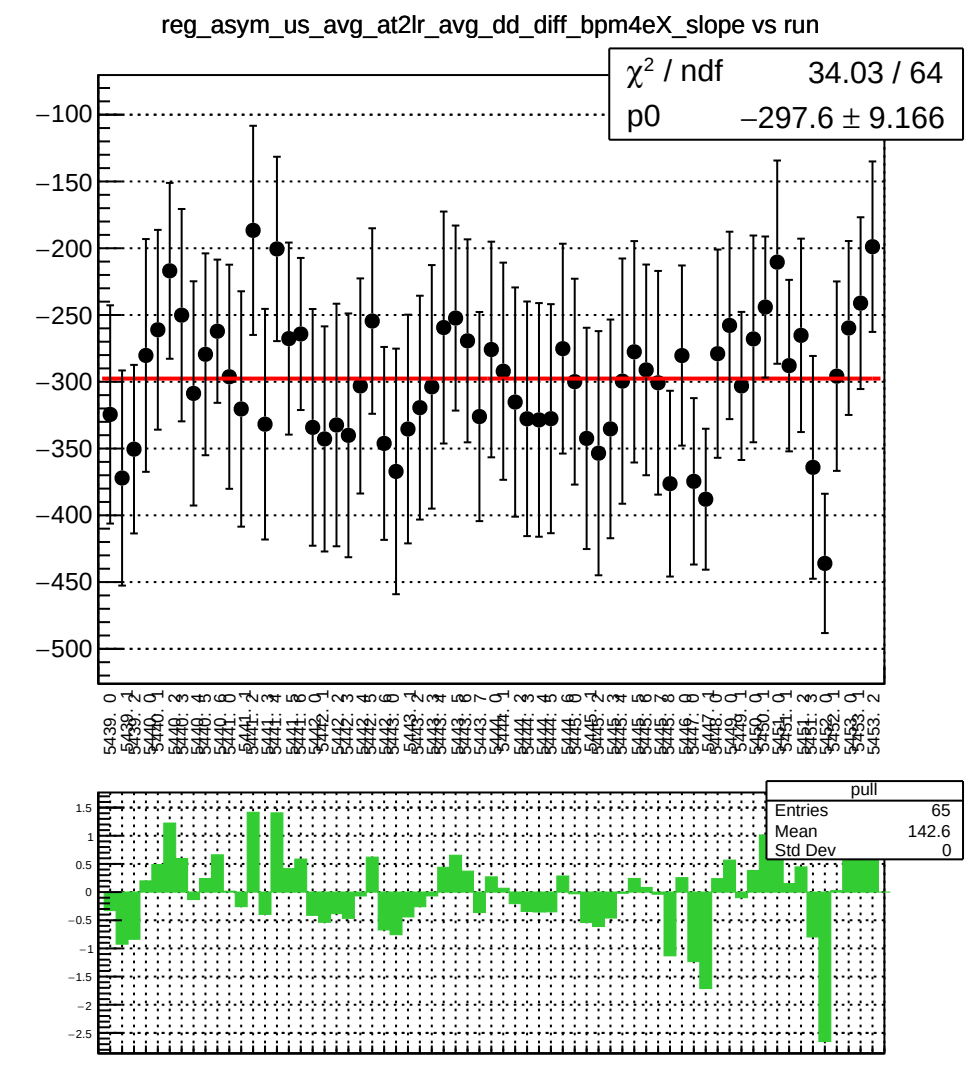

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 96.78 / 64
p0 −413.7 ± 0.6457
pull
Entries 65
Mean −193.9
Std Dev 0
pull1D
Entries 65
Mean 0.04016
Std Dev 1.22

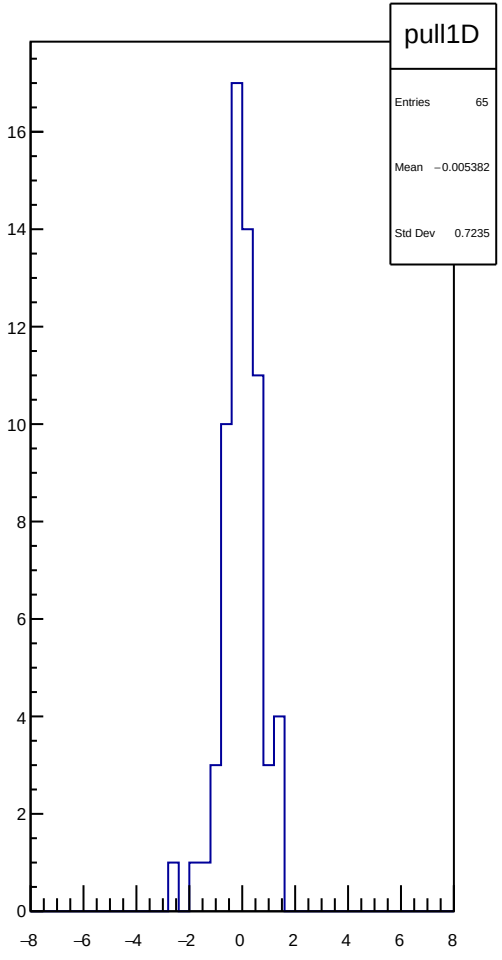

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 34.83 / 64
p0 396.3 ± 11.71
pull
Entries 65
Mean 264.7
Std Dev 0

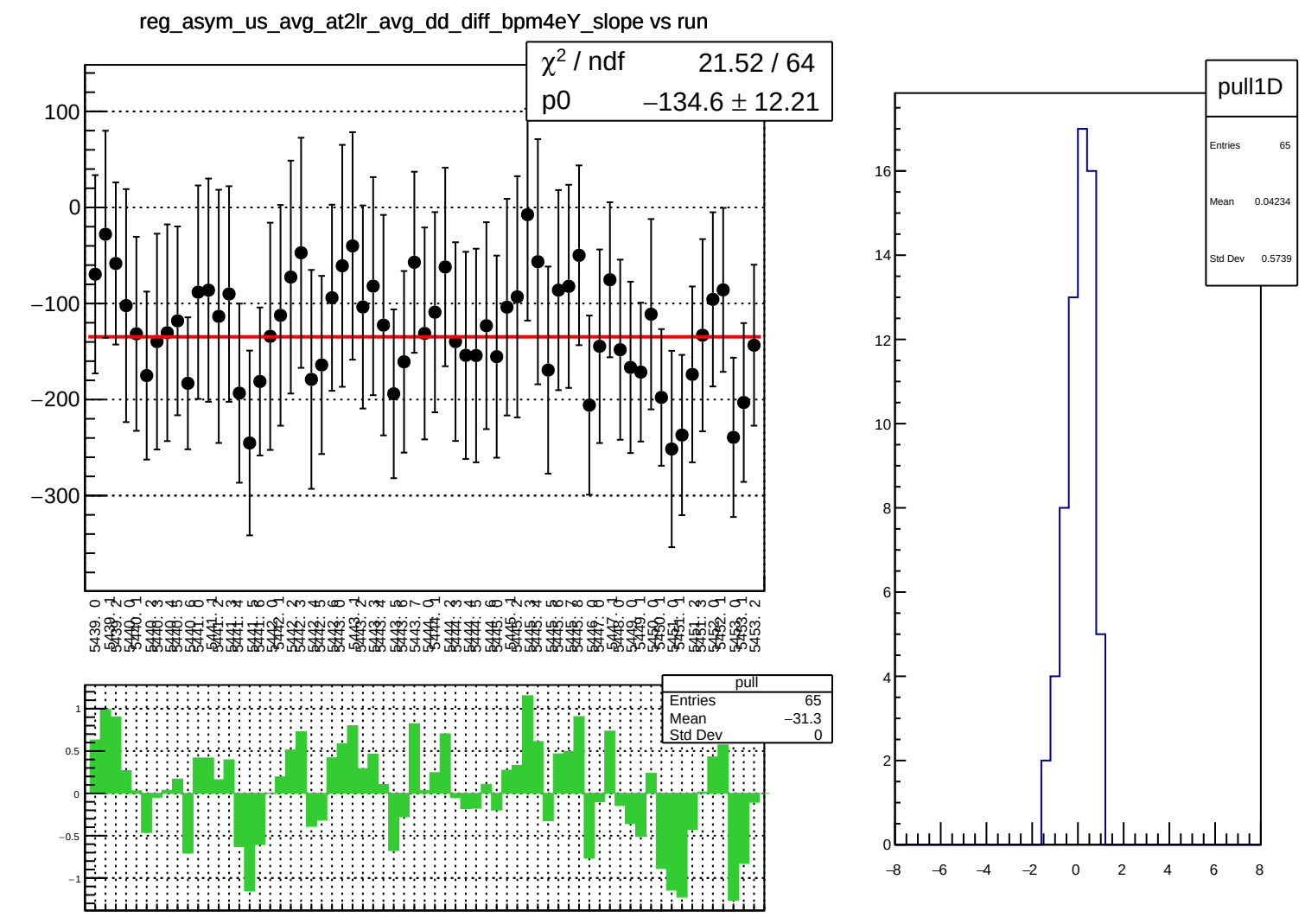

pull1D
Entries 65
Mean 0.001874
Std Dev 0.732

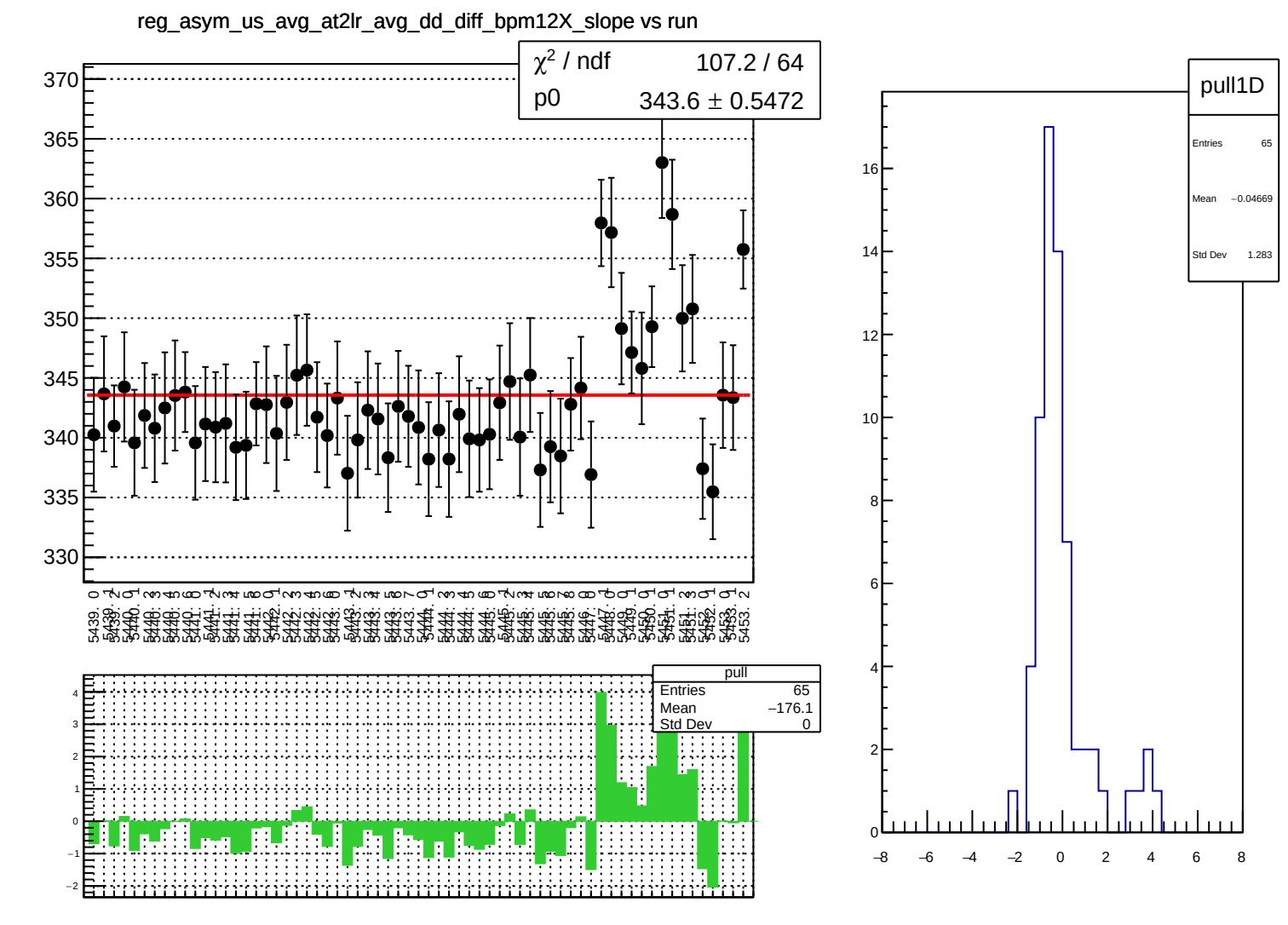

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.75 / 64
p0 −35.57 ± 9.582
pull
Entries 65
Mean −32.06
Std Dev 0

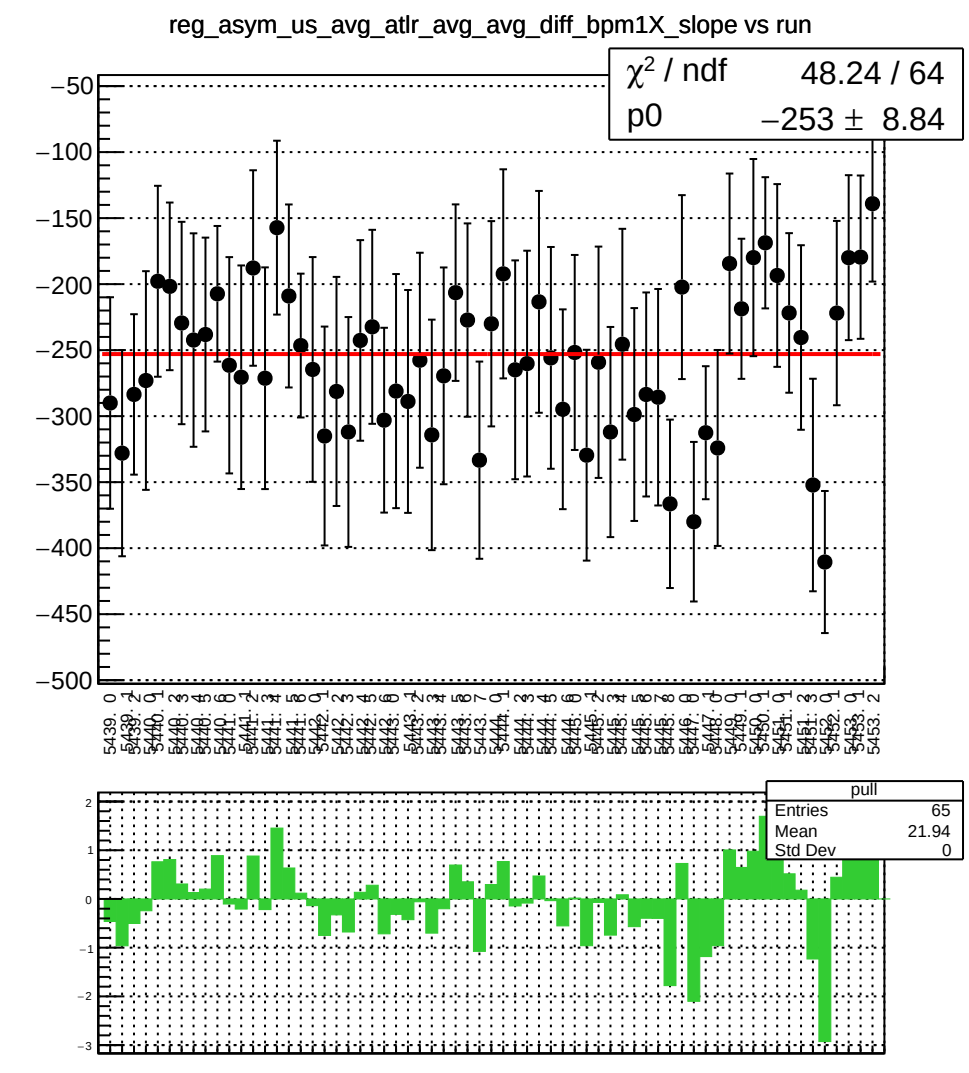

pull1D
Entries 65
Mean −0.03947
Std Dev 0.5498

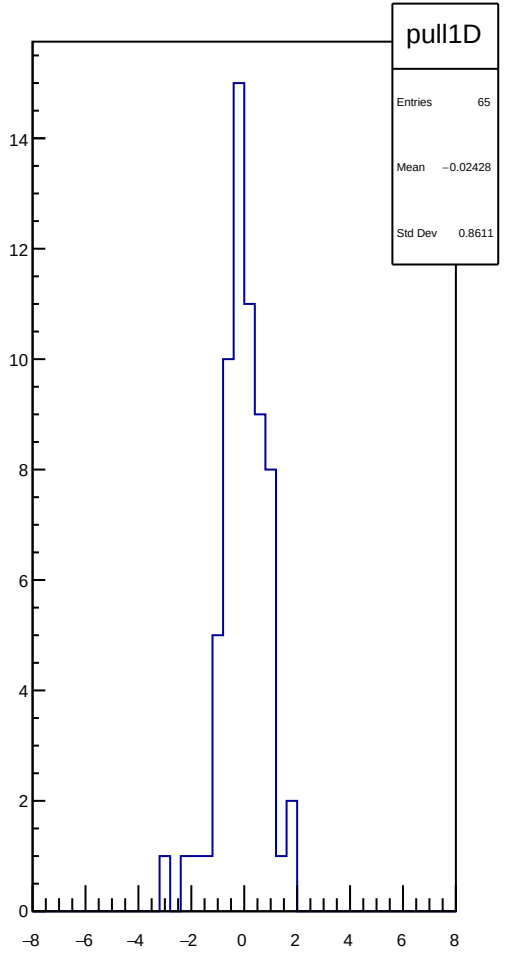

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.03 / 64
p0 −297.6 ± 9.166
pull
Entries 65
Mean 142.6
Std Dev 0

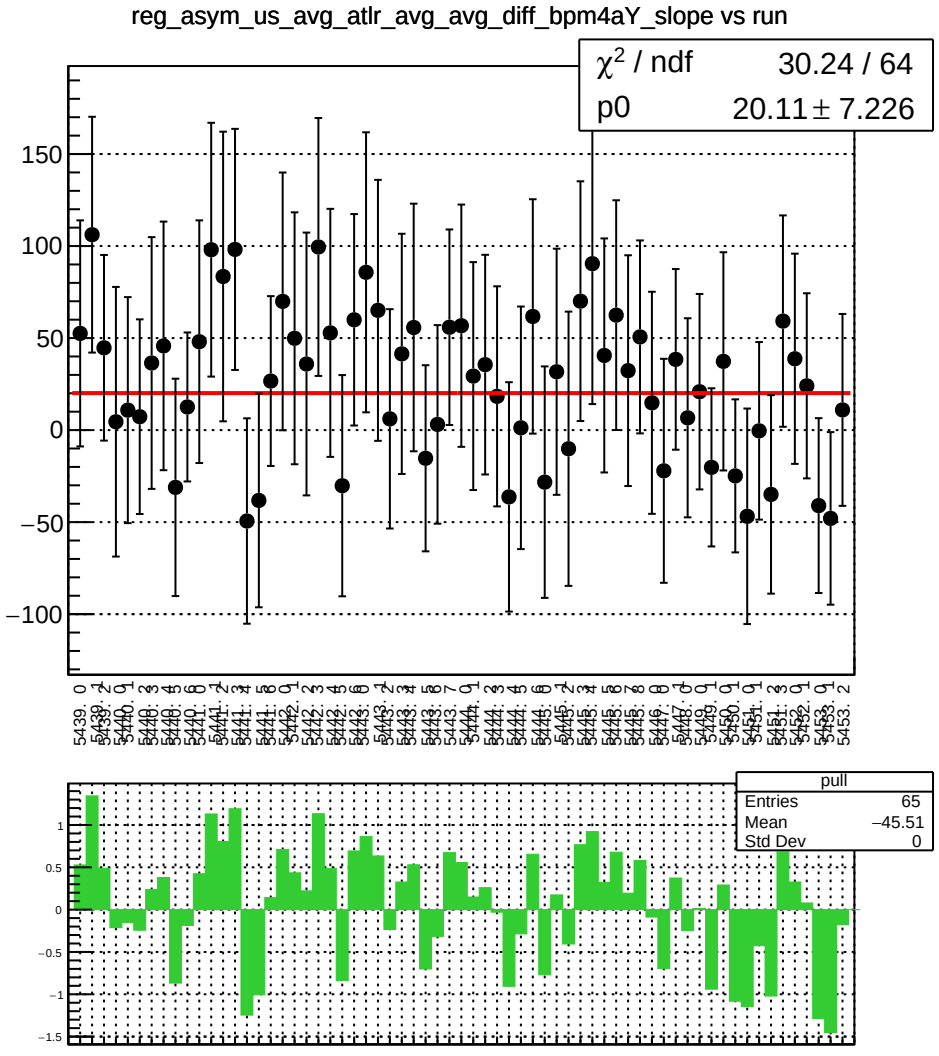

pull1D
Entries 65
Mean −0.005382
Std Dev 0.7235

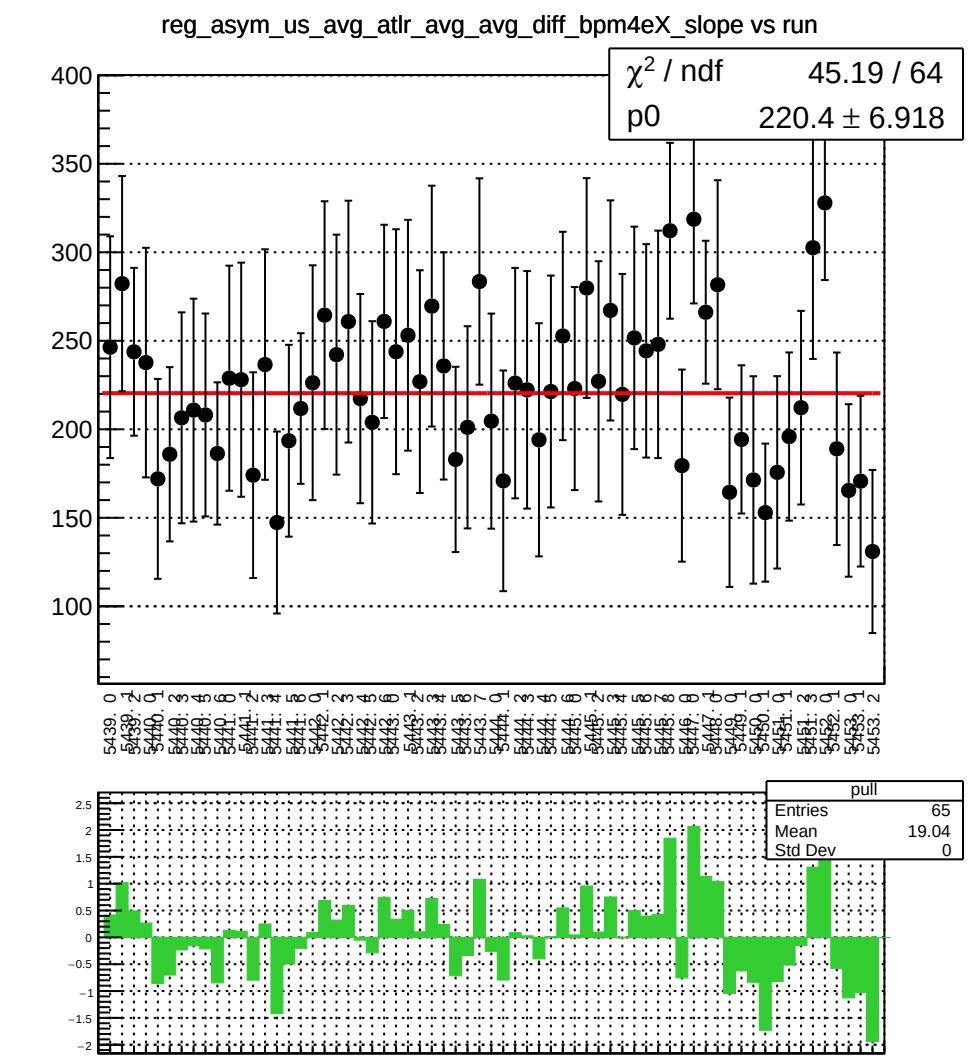

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.52 / 64
p0 −134.6 ± 12.21
100
0
−100
−200
−300
pull
Entries 65
Mean −31.3
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 65
Mean 0.04234
Std Dev 0.5739
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

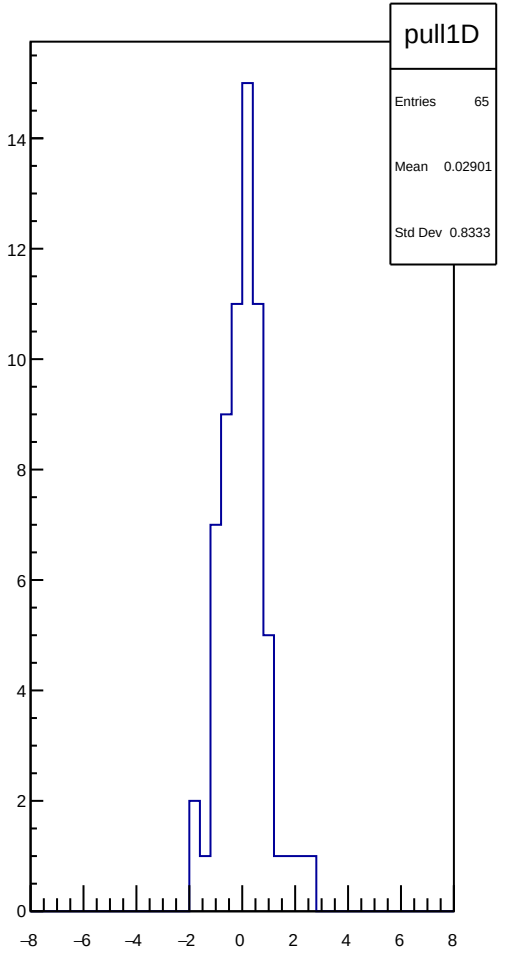

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 107.2 / 64
p0 343.6 ± 0.5472
pull
Entries 65
Mean −176.1
Std Dev 0
pull1D
Entries 65
Mean −0.04669
Std Dev 1.283

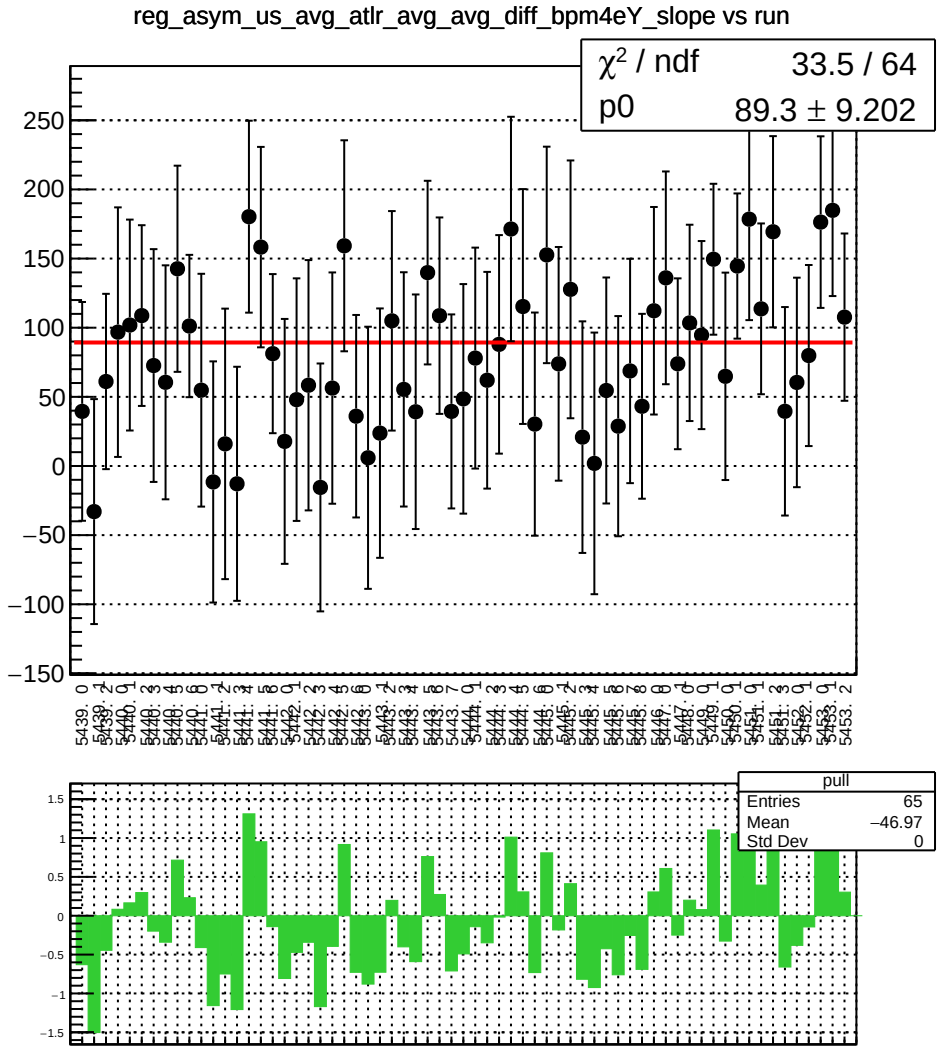

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 48.24 / 64
p0 −253 ± 8.84
pull
Entries 65
Mean 21.94
Std Dev 0

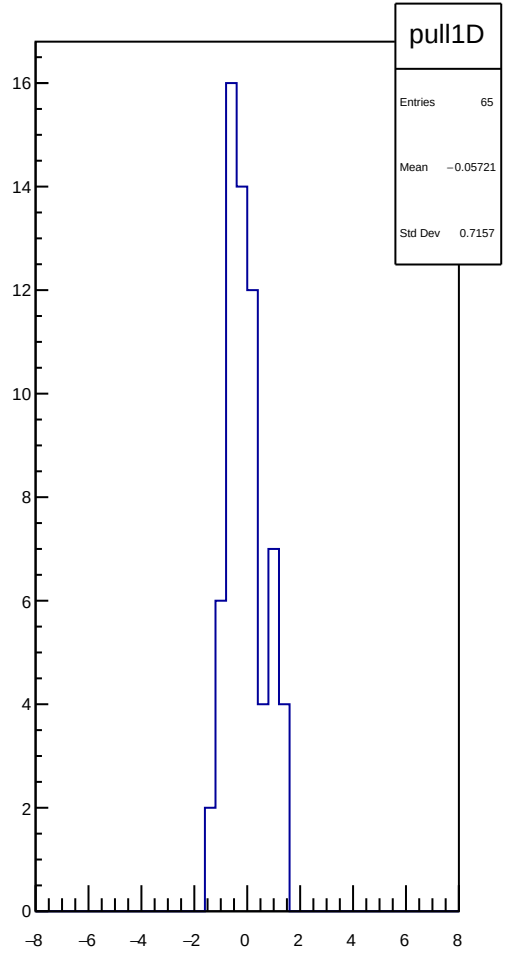

pull1D
Entries 65
Mean −0.02428
Std Dev 0.8611

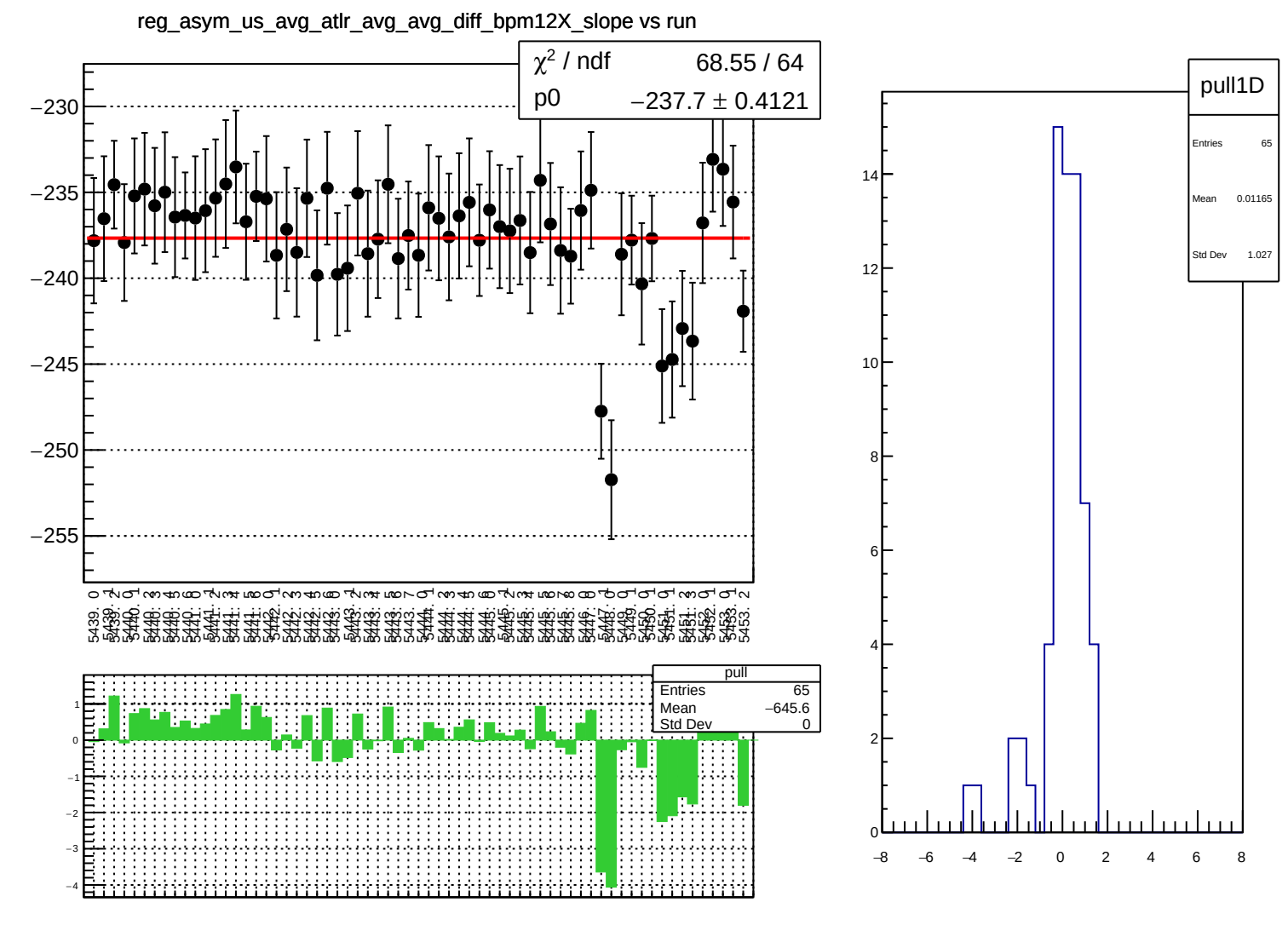

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.24 / 64
p0 20.11 ± 7.226
150
100
50
0
−50
−100
pull
Entries 65
Mean −45.51
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 65
Mean 0.05303
Std Dev 0.6801
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

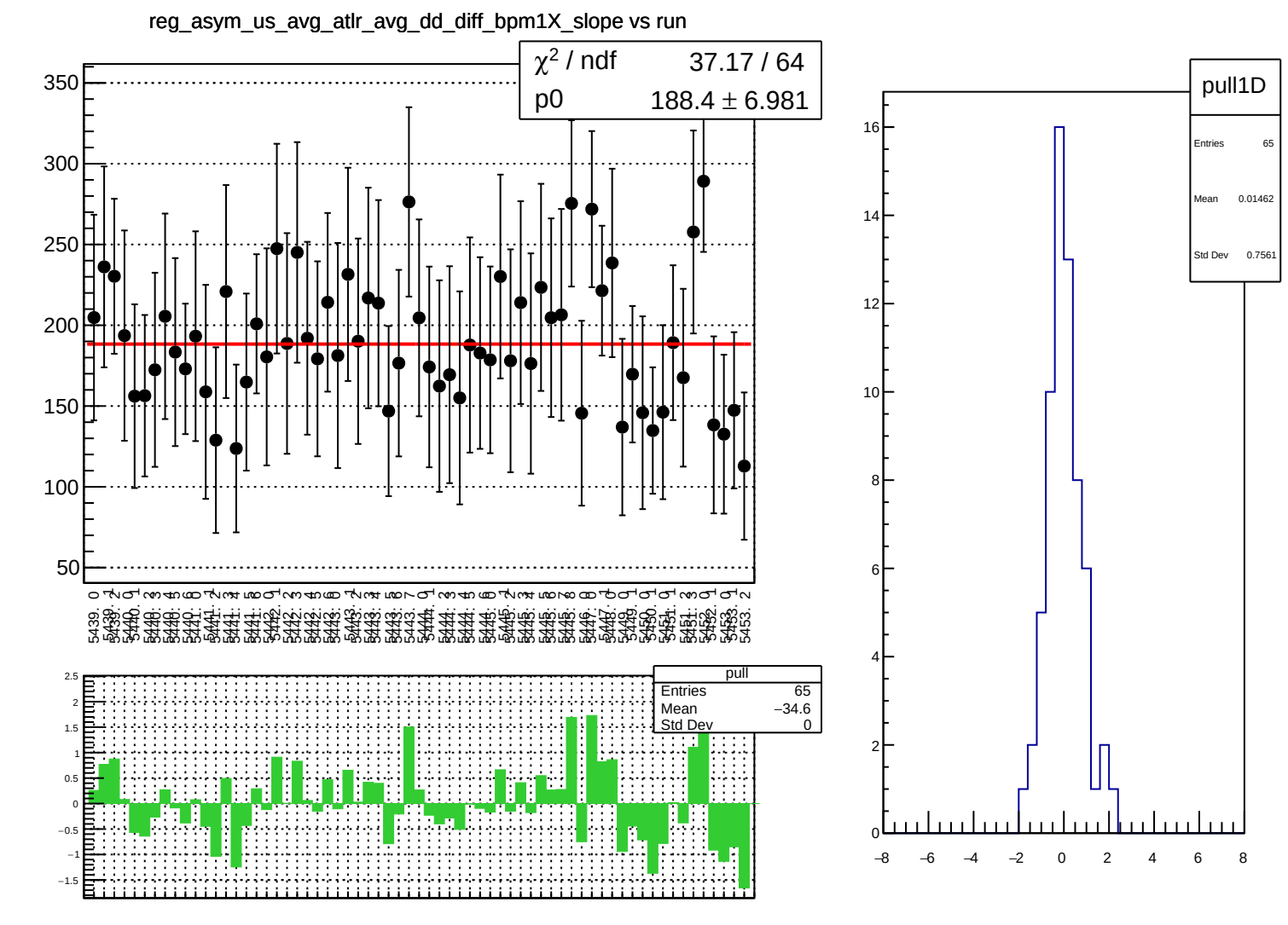

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.19 / 64
p0 220.4 ± 6.918
pull
Entries 65
Mean 19.04
Std Dev 0

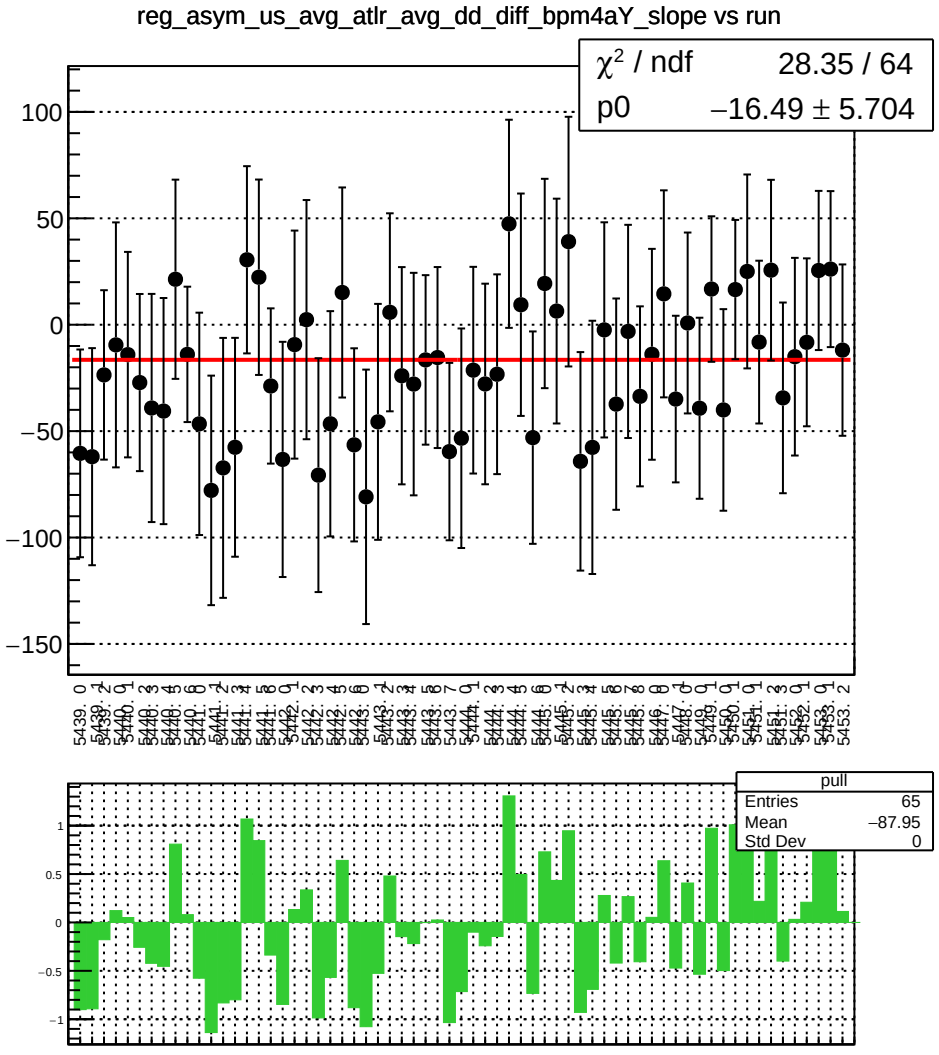

pull1D
Entries 65
Mean 0.02901
Std Dev 0.8333

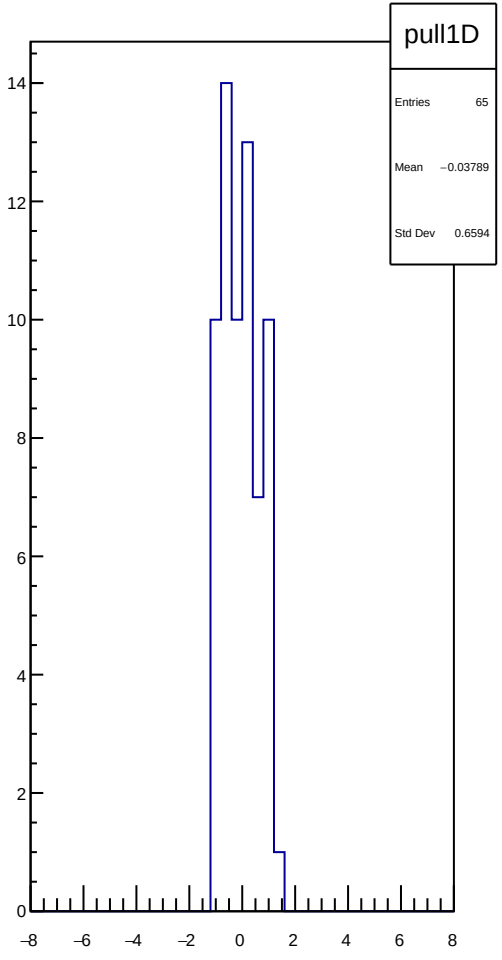

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.5 / 64
p0 89.3 ± 9.202
pull
Entries 65
Mean −46.97
Std Dev 0

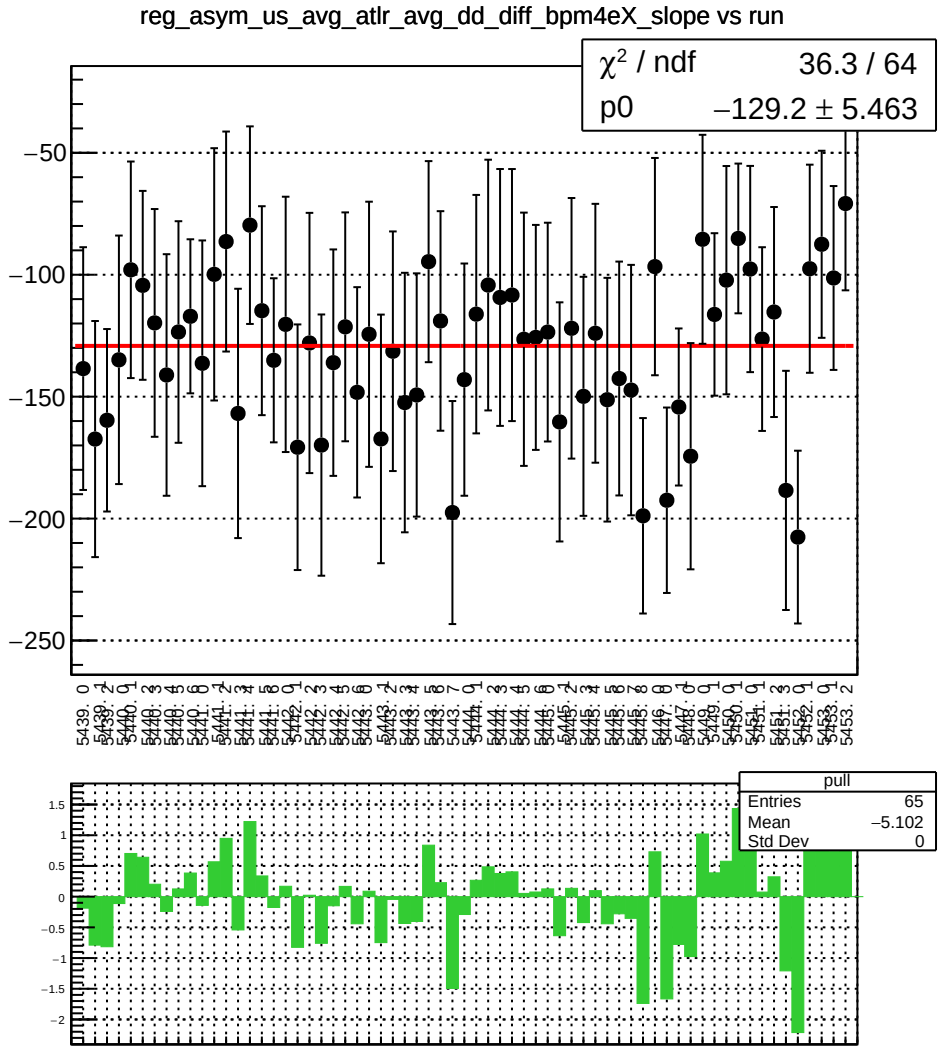

pull1D
Entries 65
Mean −0.05721
Std Dev 0.7157

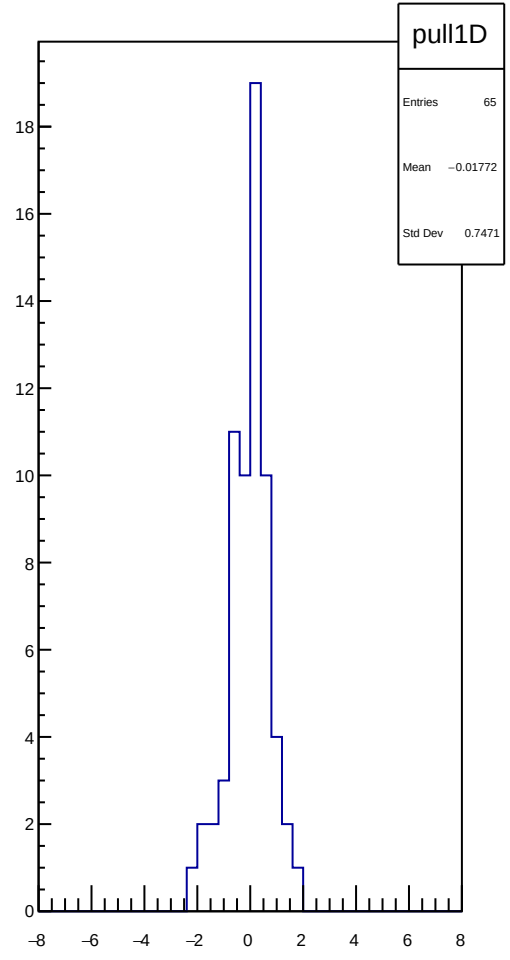

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 68.55 / 64
p0 −237.7 ± 0.4121
pull
Entries 65
Mean −645.6
Std Dev 0
pull1D
Entries 65
Mean 0.01165
Std Dev 1.027

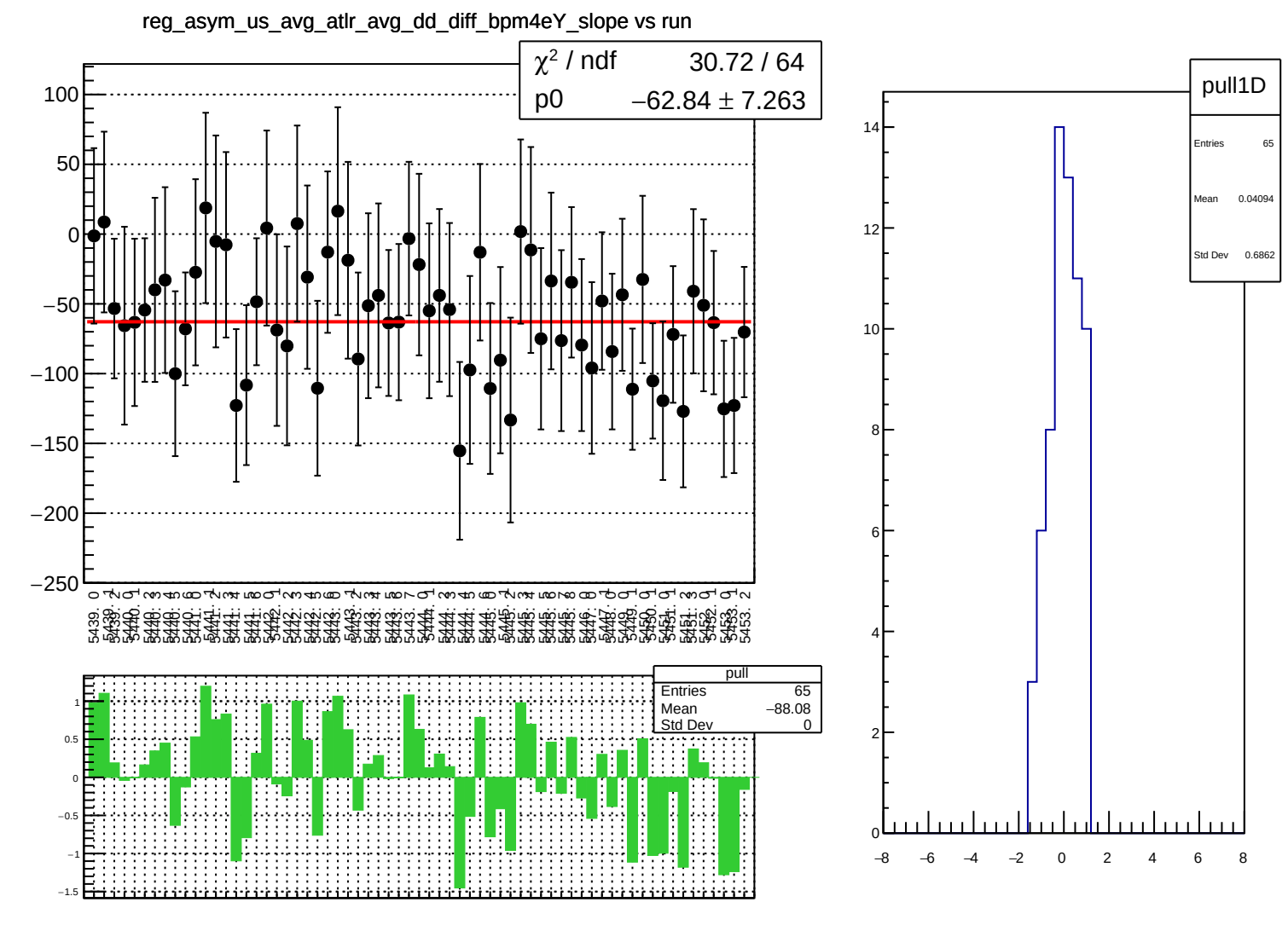

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 37.17 / 64
p0 188.4 ± 6.981
pull
Entries 65
Mean −34.6
Std Dev 0
pull1D
Entries 65
Mean 0.01462
Std Dev 0.7561

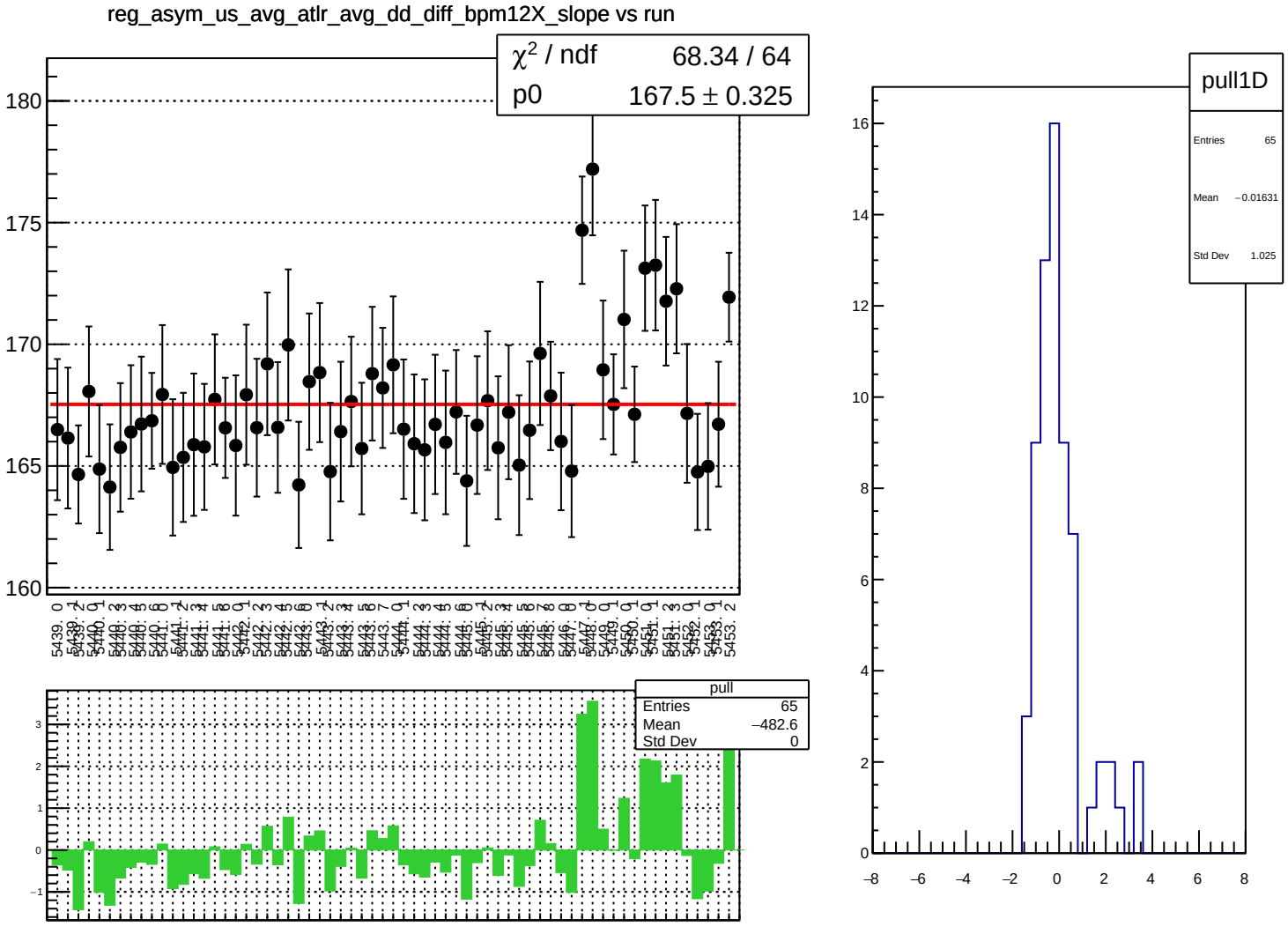

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.35 / 64
p0 −16.49 ± 5.704
pull
Entries 65
Mean −87.95
Std Dev 0

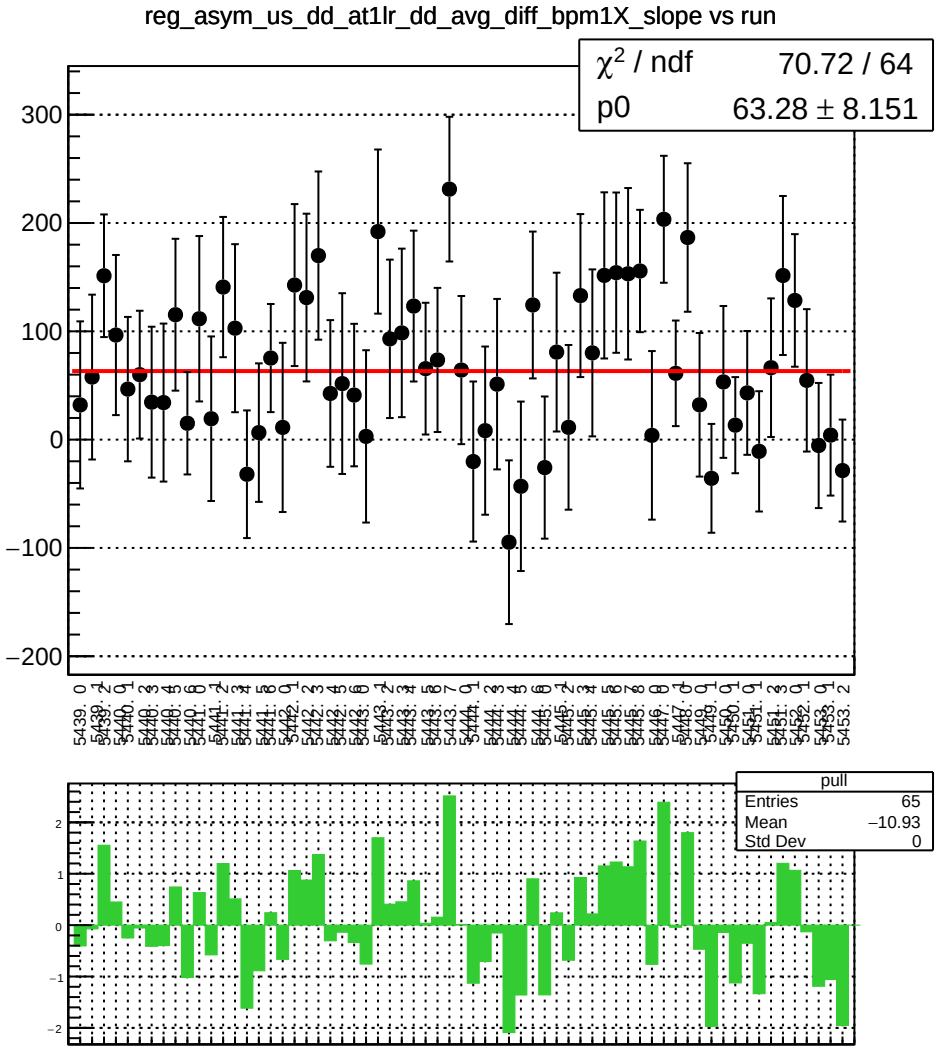

pull1D
Entries 65
Mean −0.03789
Std Dev 0.6594

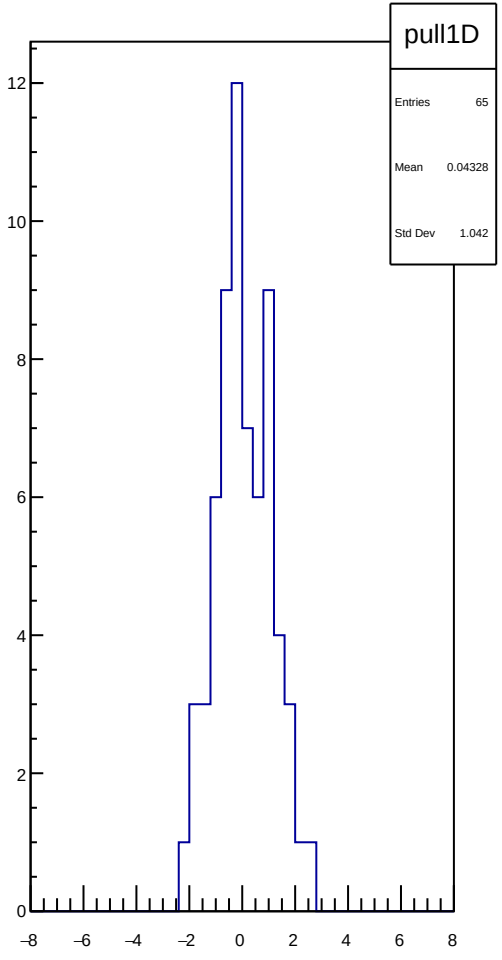

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.3 / 64
p0 −129.2 ± 5.463
pull
Entries 65
Mean −5.102
Std Dev 0

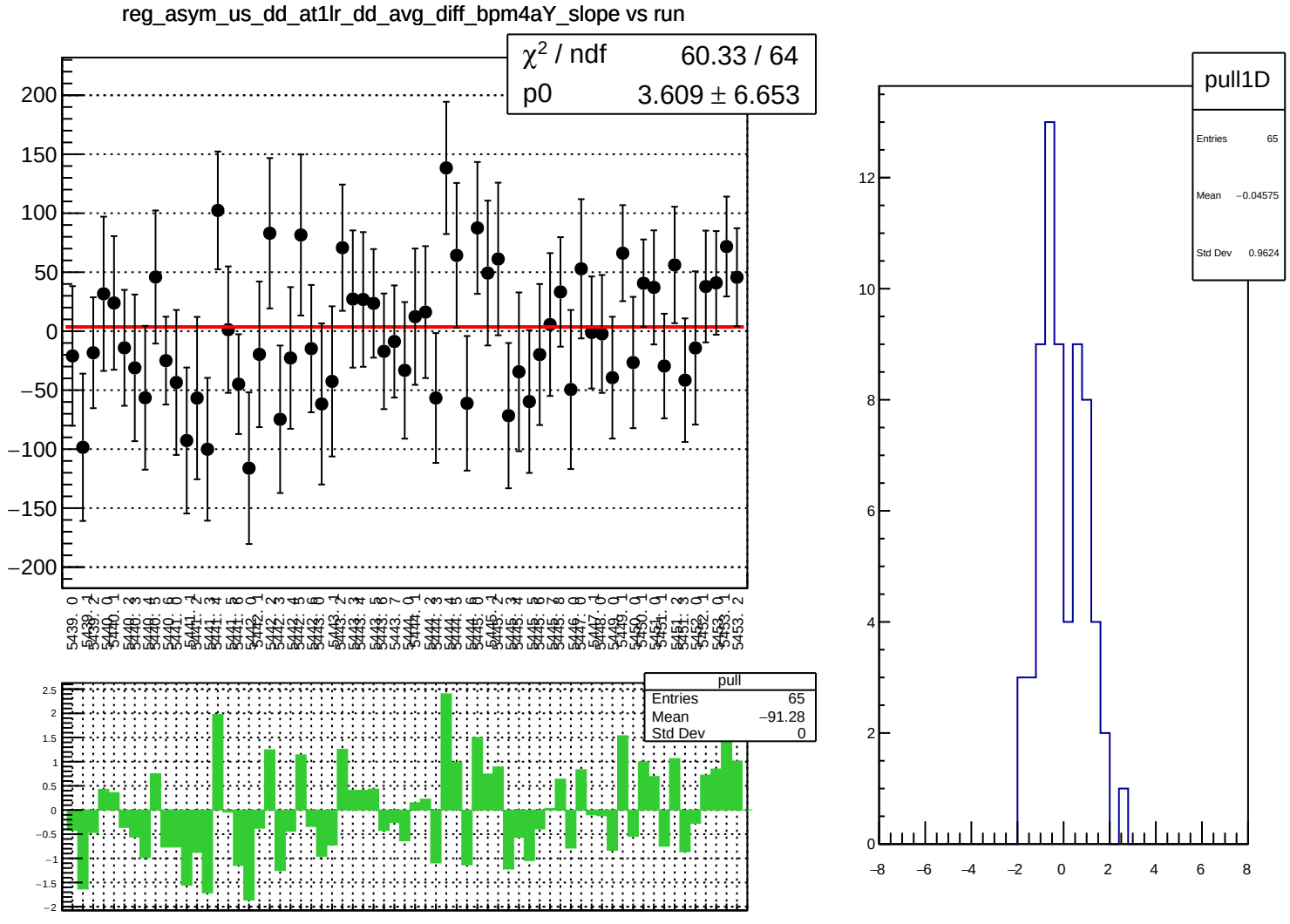

pull1D
Entries 65
Mean −0.01772
Std Dev 0.7471

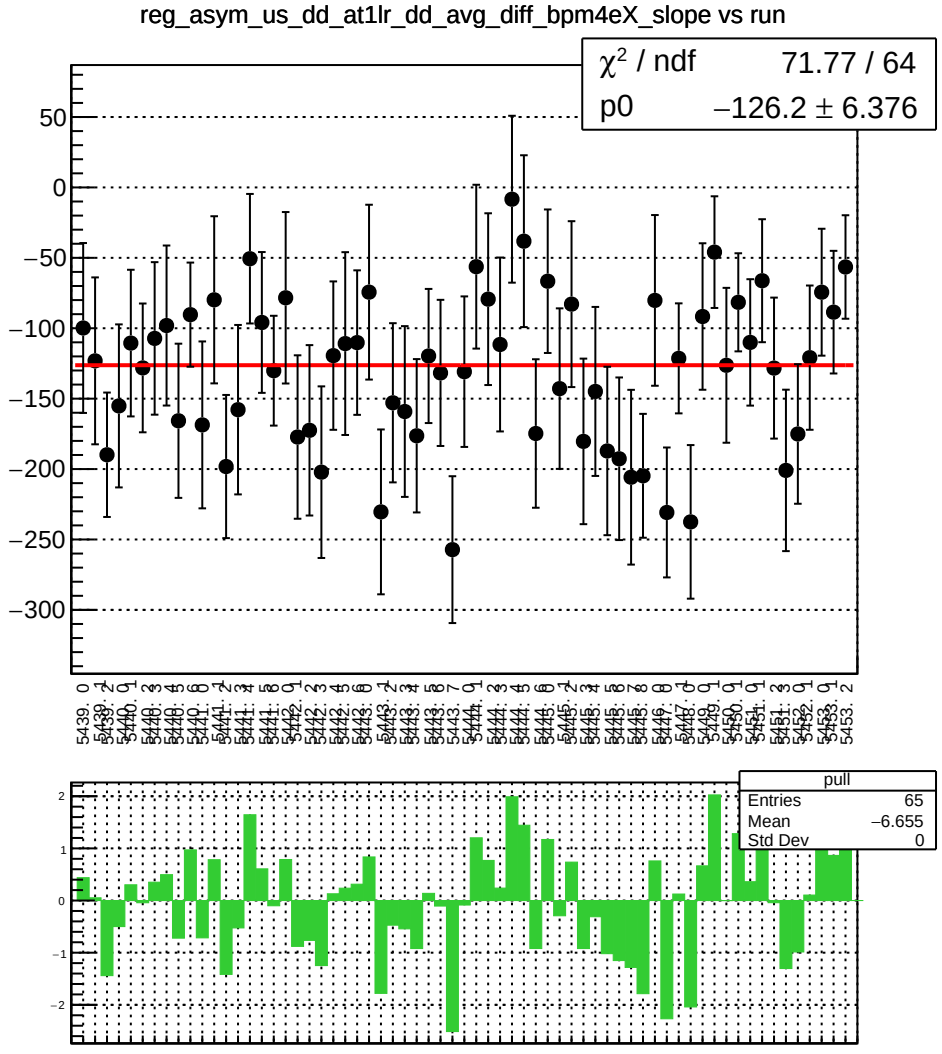

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.72 / 64
p0 −62.84 ± 7.263
pull
Entries 65
Mean −88.08
Std Dev 0
pull1D
Entries 65
Mean 0.04094
Std Dev 0.6862

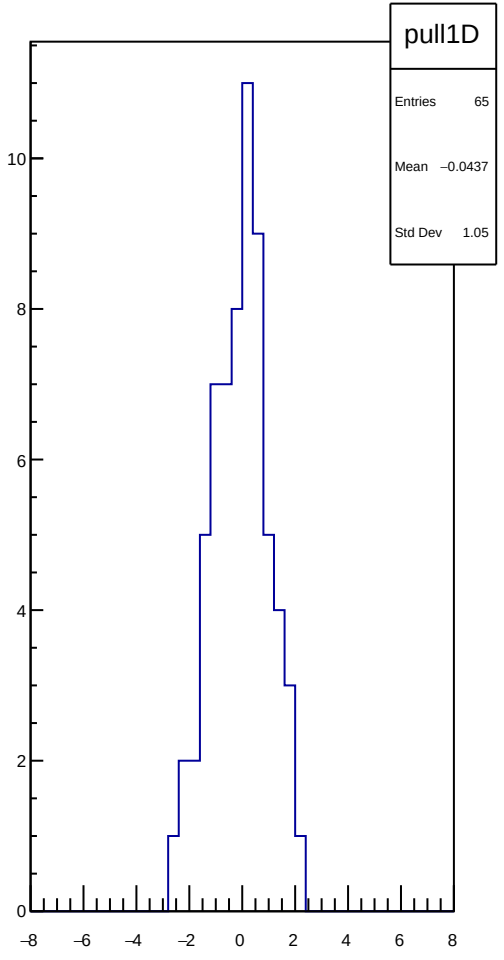

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 68.34 / 64
p0 167.5 ± 0.325
pull
Entries 65
Mean −482.6
Std Dev 0
pull1D
Entries 65
Mean −0.01631
Std Dev 1.025

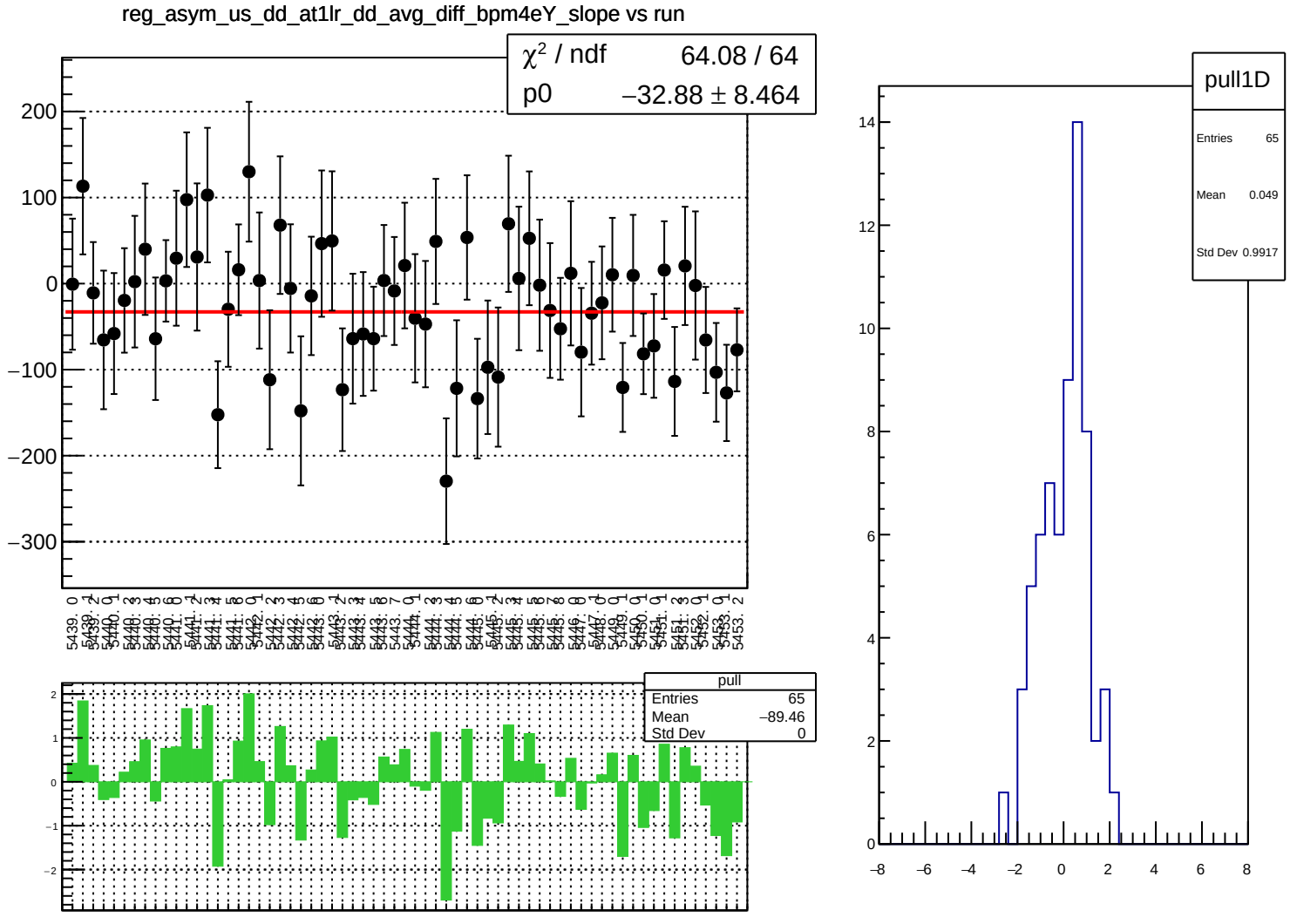

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 70.72 / 64
p0 63.28 ± 8.151
pull
Entries 65
Mean −10.93
Std Dev 0

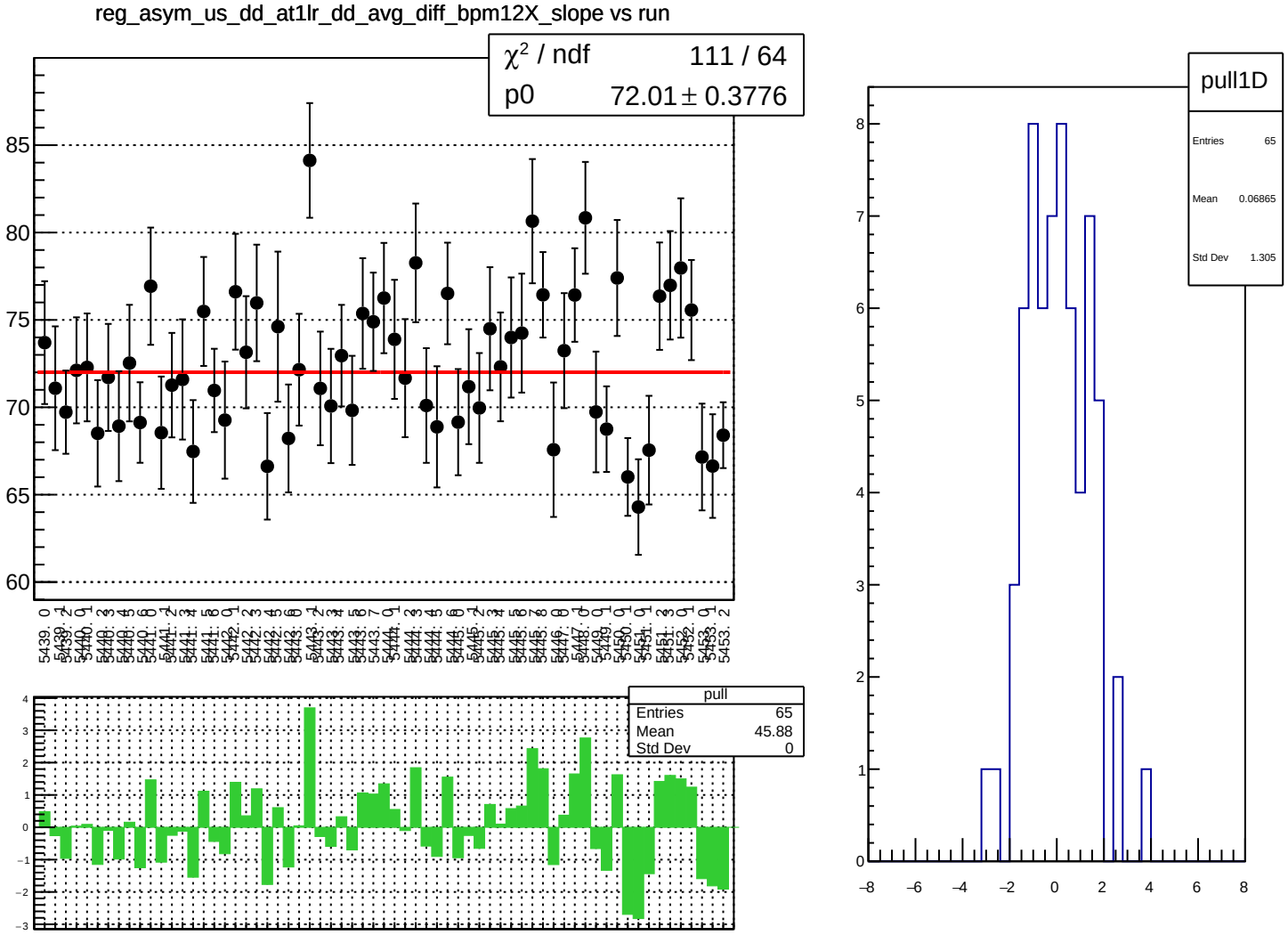

pull1D
Entries 65
Mean 0.04328
Std Dev 1.042

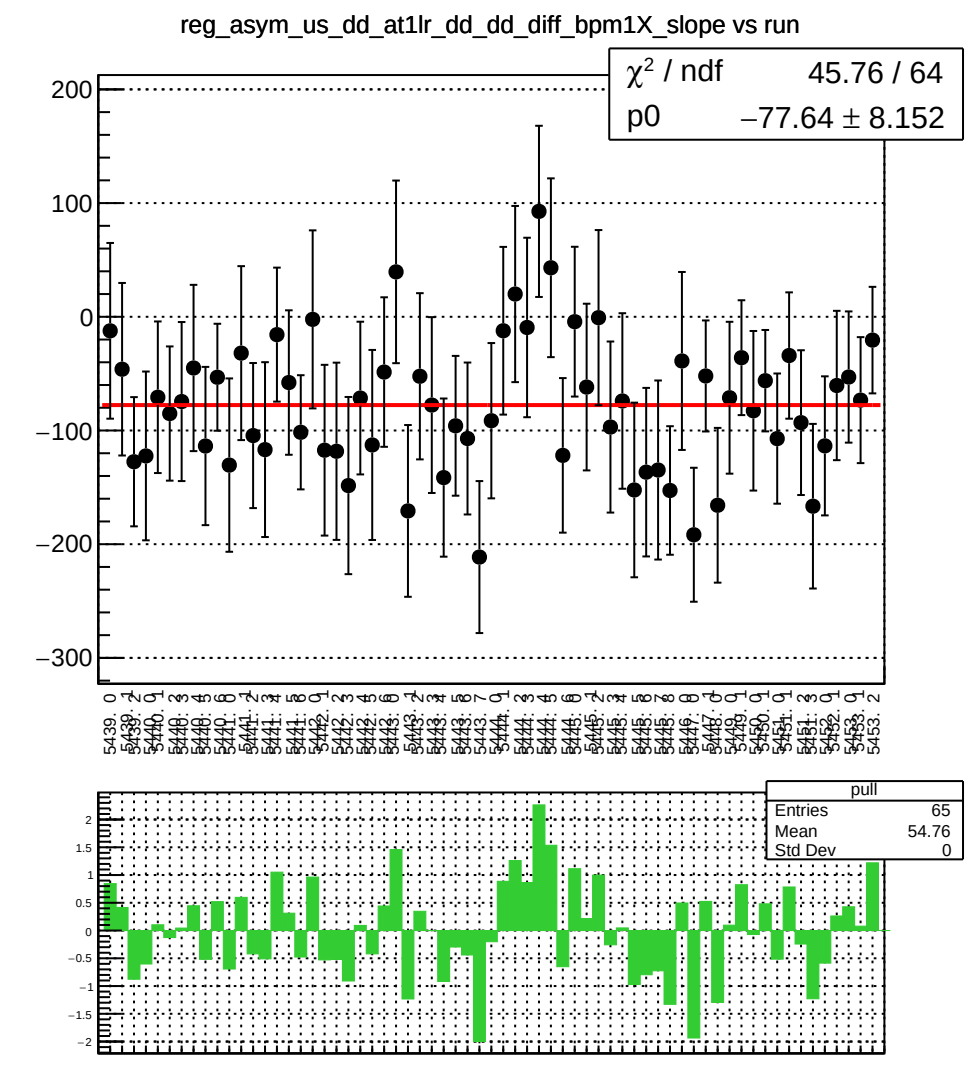

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.33 / 64
p0 3.609 ± 6.653
pull
Entries 65
Mean −91.28
Std Dev 0
pull1D
Entries 65
Mean −0.04575
Std Dev 0.9624

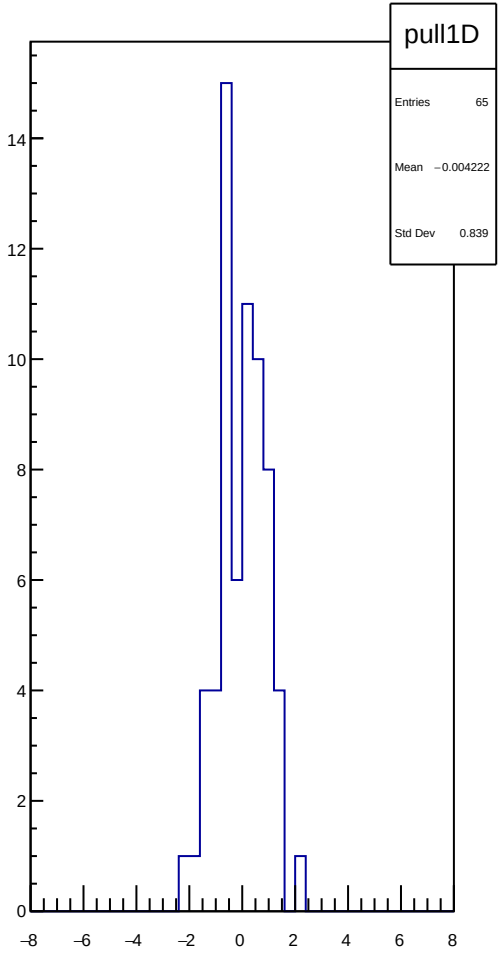

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.77 / 64
p0 −126.2 ± 6.376
pull
Entries 65
Mean −6.655
Std Dev 0

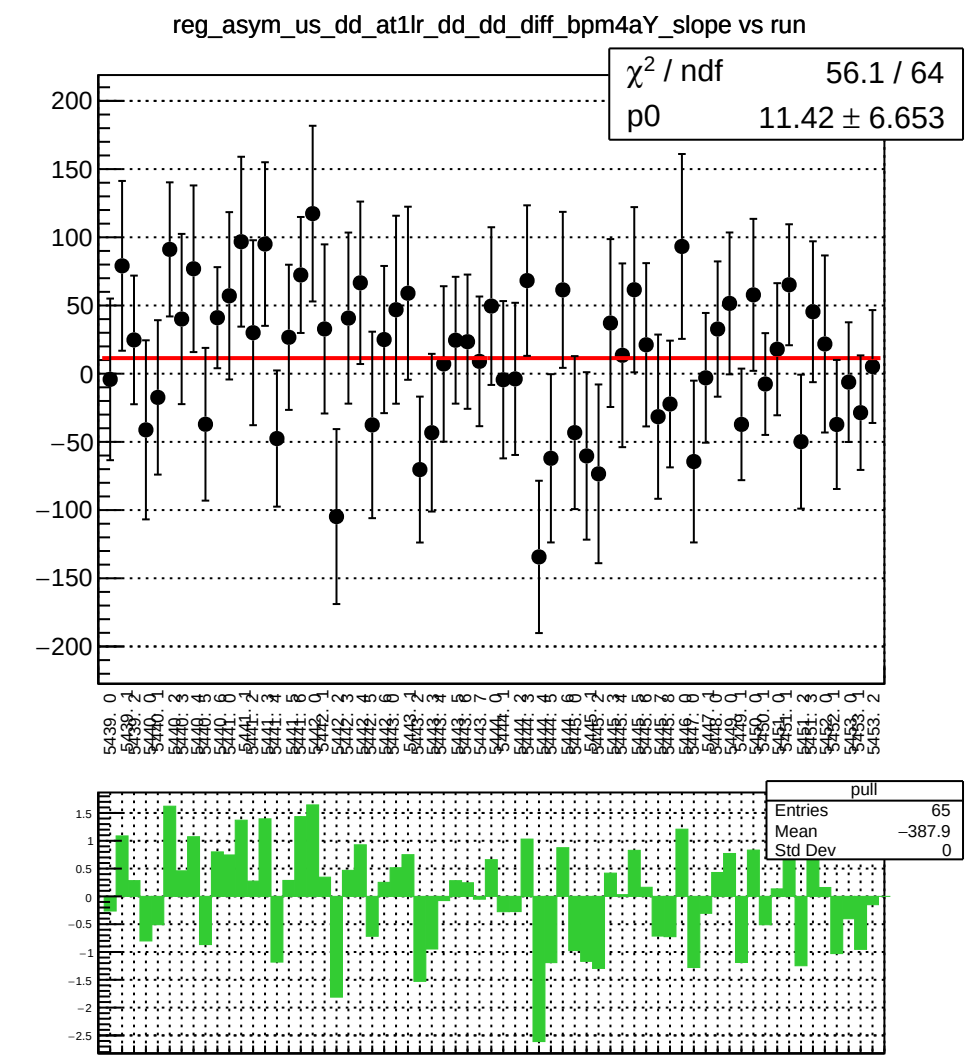

pull1D
Entries 65
Mean −0.0437
Std Dev 1.05

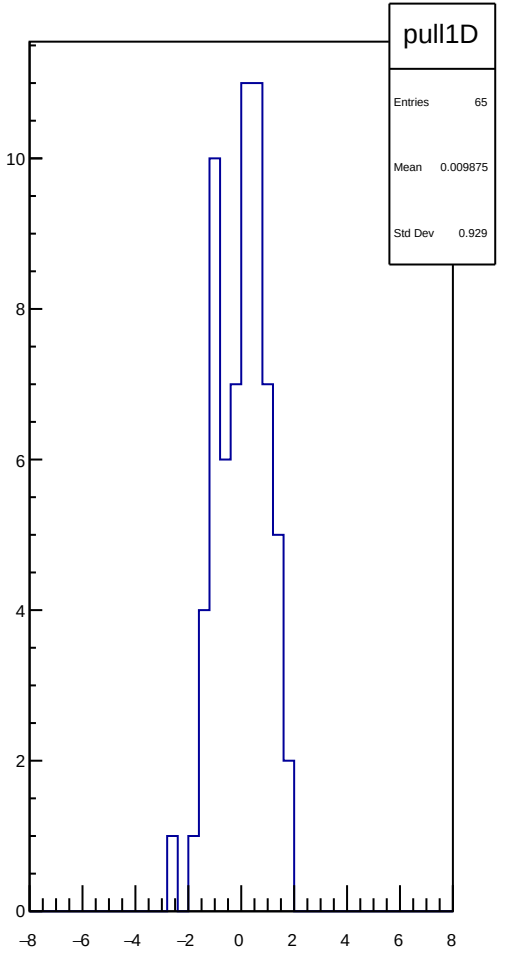

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.08 / 64
p0 −32.88 ± 8.464
pull
Entries 65
Mean −89.46
Std Dev 0
pull1D
Entries 65
Mean 0.049
Std Dev 0.9917

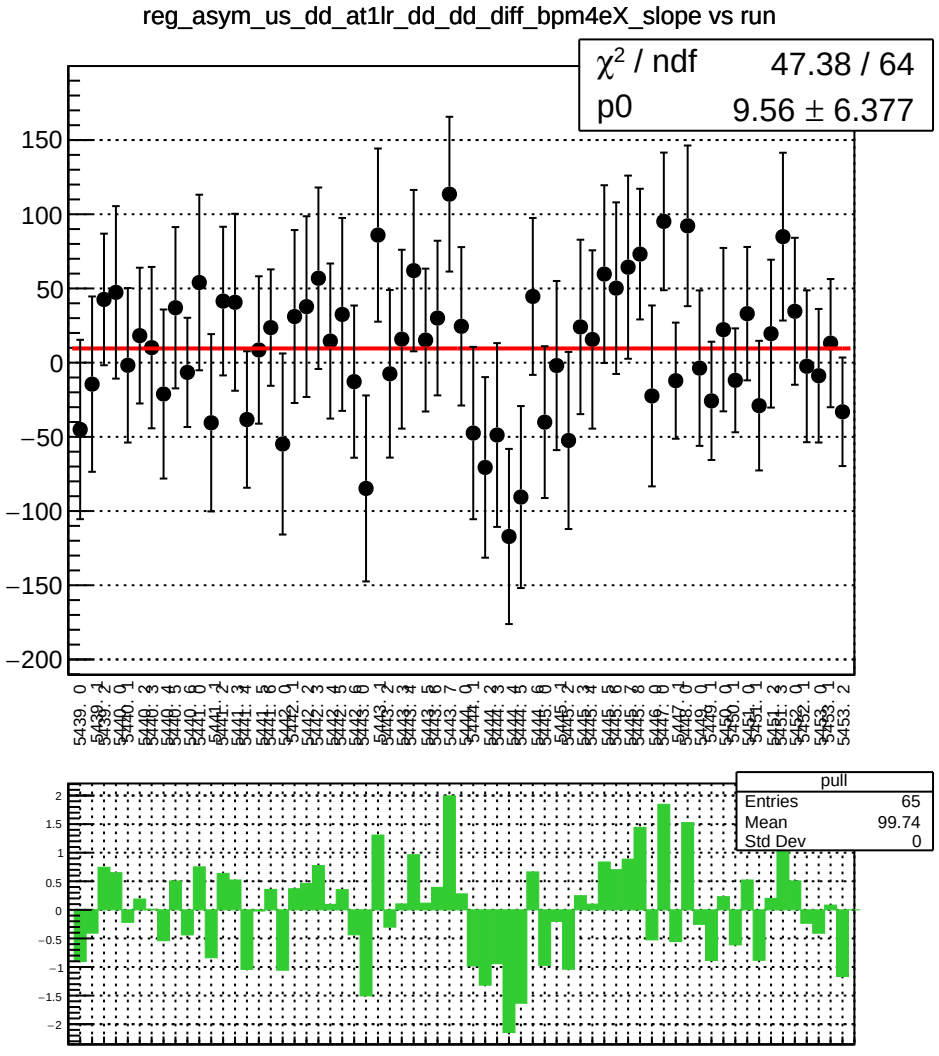

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 111 / 64
p0 72.01 ± 0.3776
pull
Entries 65
Mean 45.88
Std Dev 0
pull1D
Entries 65
Mean 0.06865
Std Dev 1.305

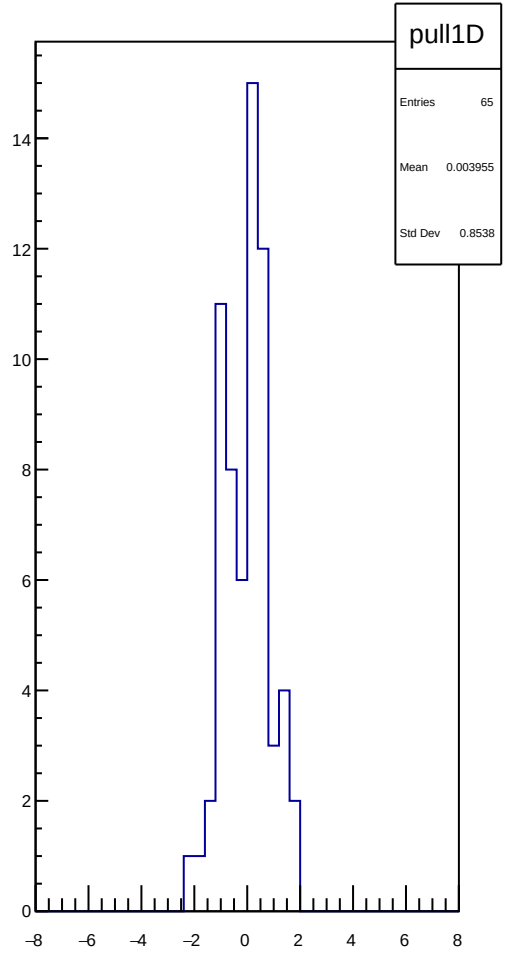

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 45.76 / 64
p0 −77.64 ± 8.152
pull
Entries 65
Mean 54.76
Std Dev 0

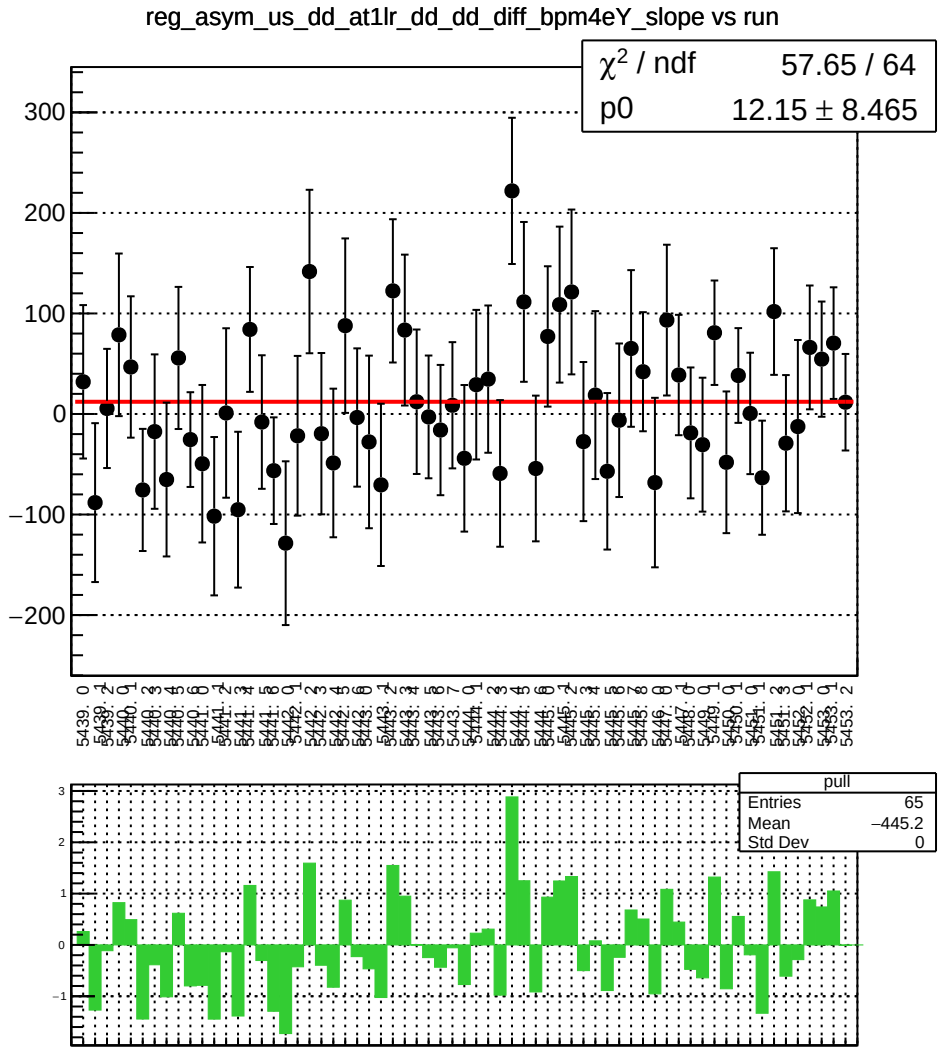

pull1D
Entries 65
Mean −0.004222
Std Dev 0.839

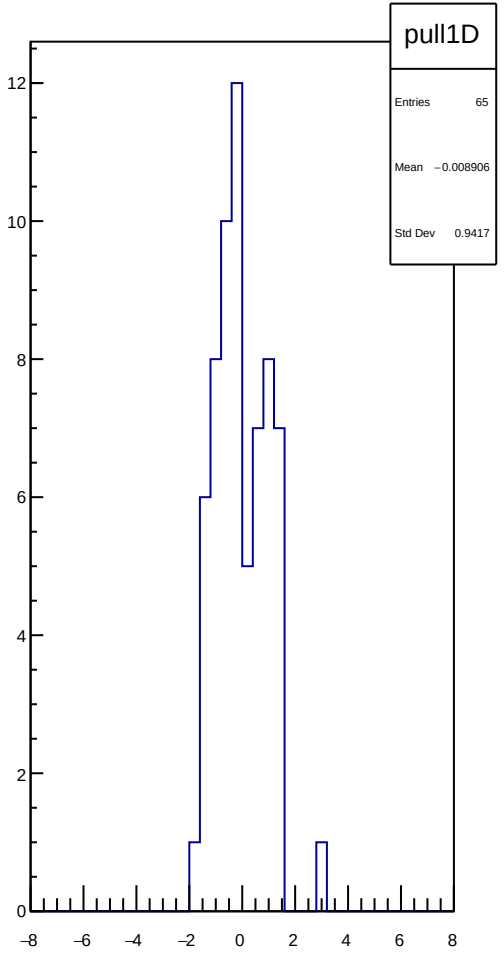

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.1 / 64
p0 11.42 ± 6.653
pull
Entries 65
Mean −387.9
Std Dev 0

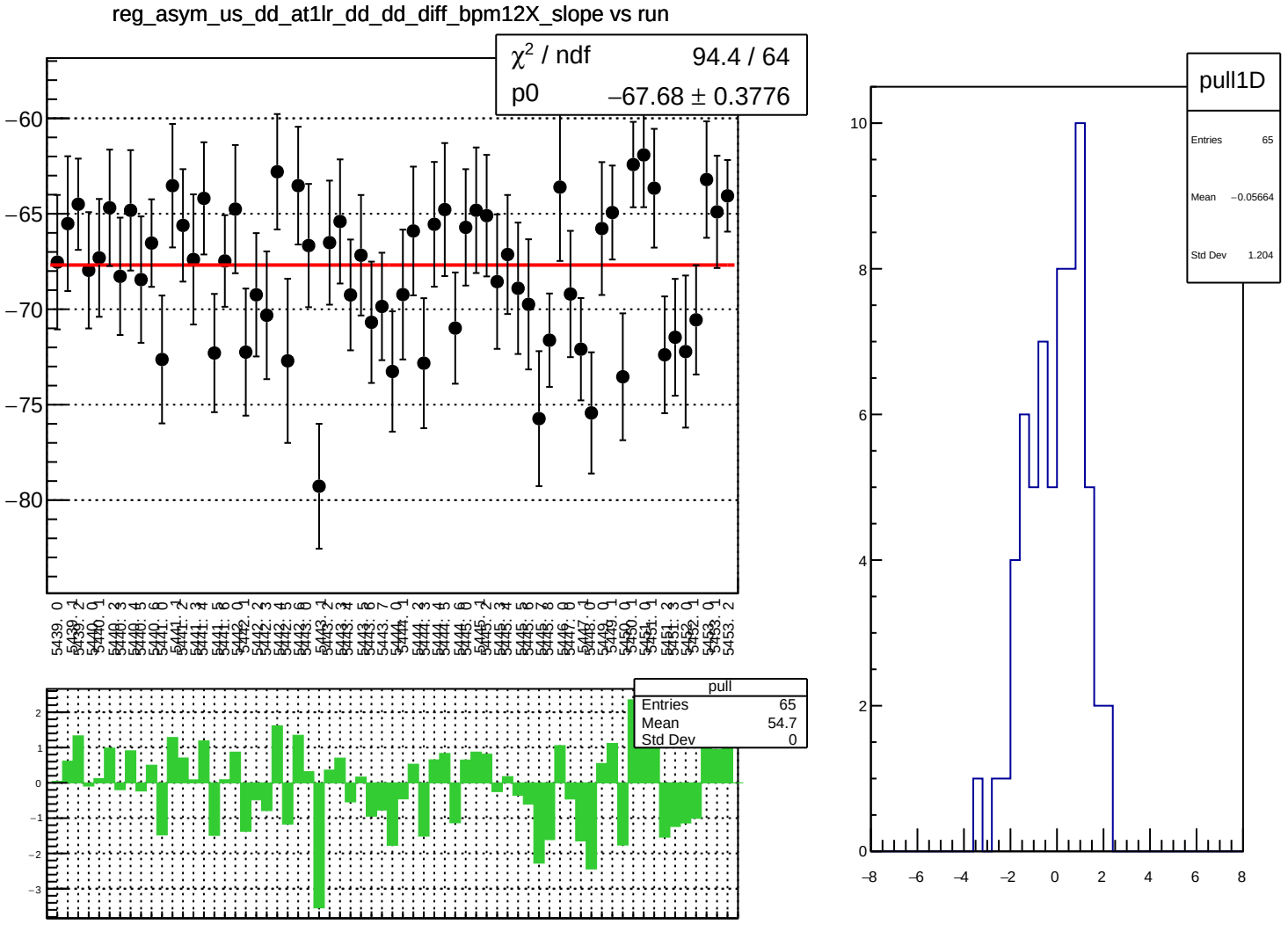

pull1D
Entries 65
Mean 0.009875
Std Dev 0.929

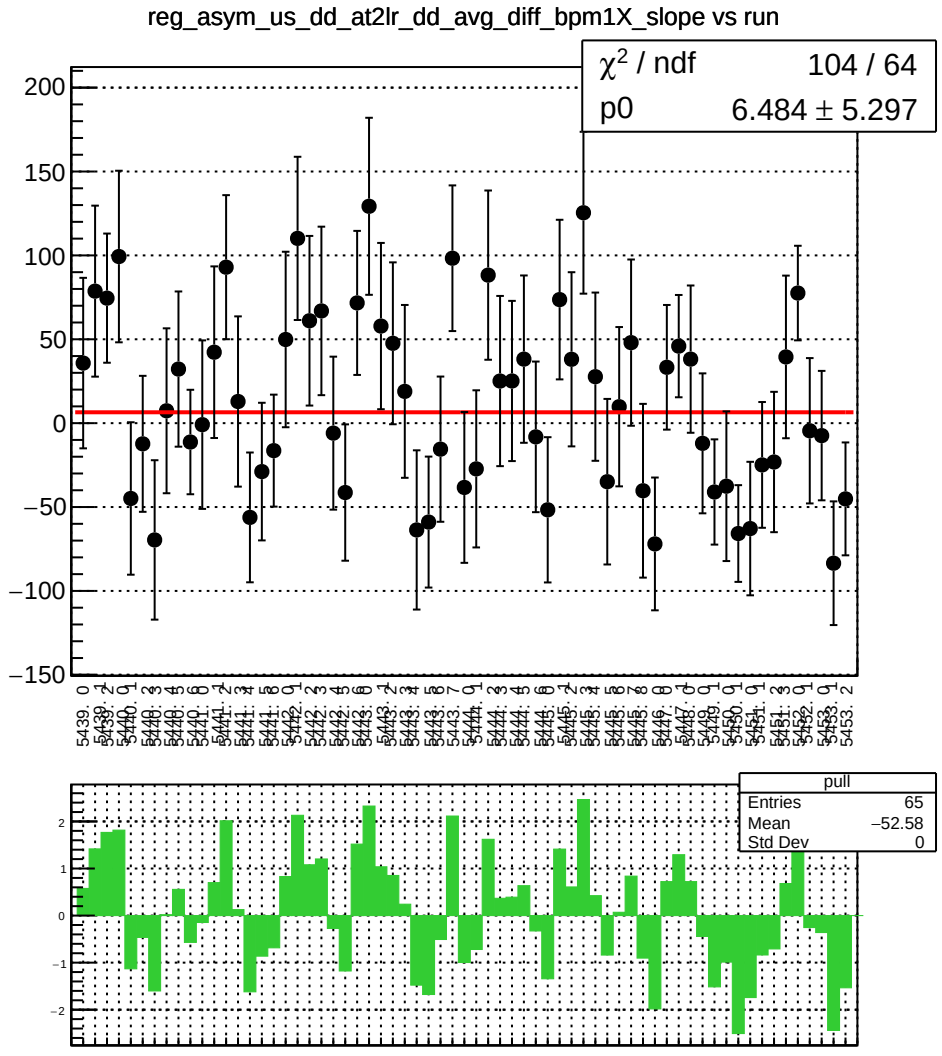

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.38 / 64
p0 9.56 ± 6.377
pull
Entries 65
Mean 99.74
Std Dev 0

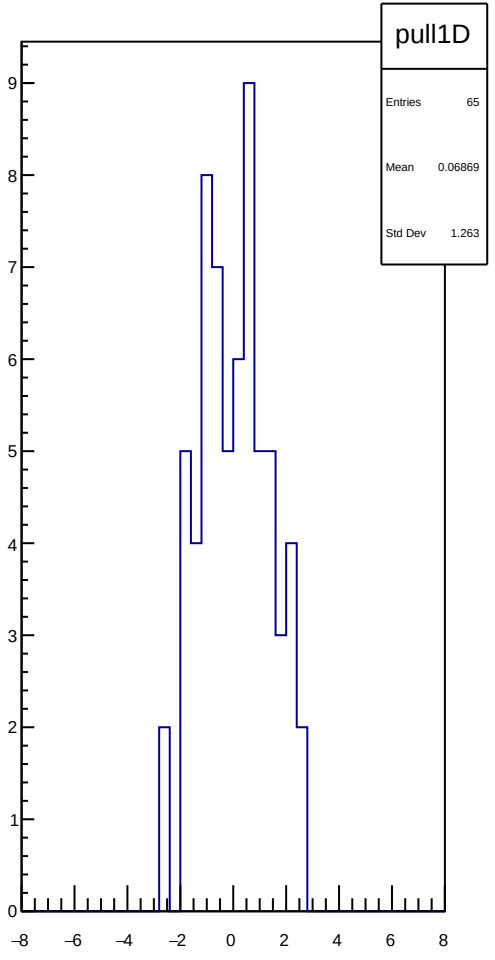

pull1D
Entries 65
Mean 0.003955
Std Dev 0.8538

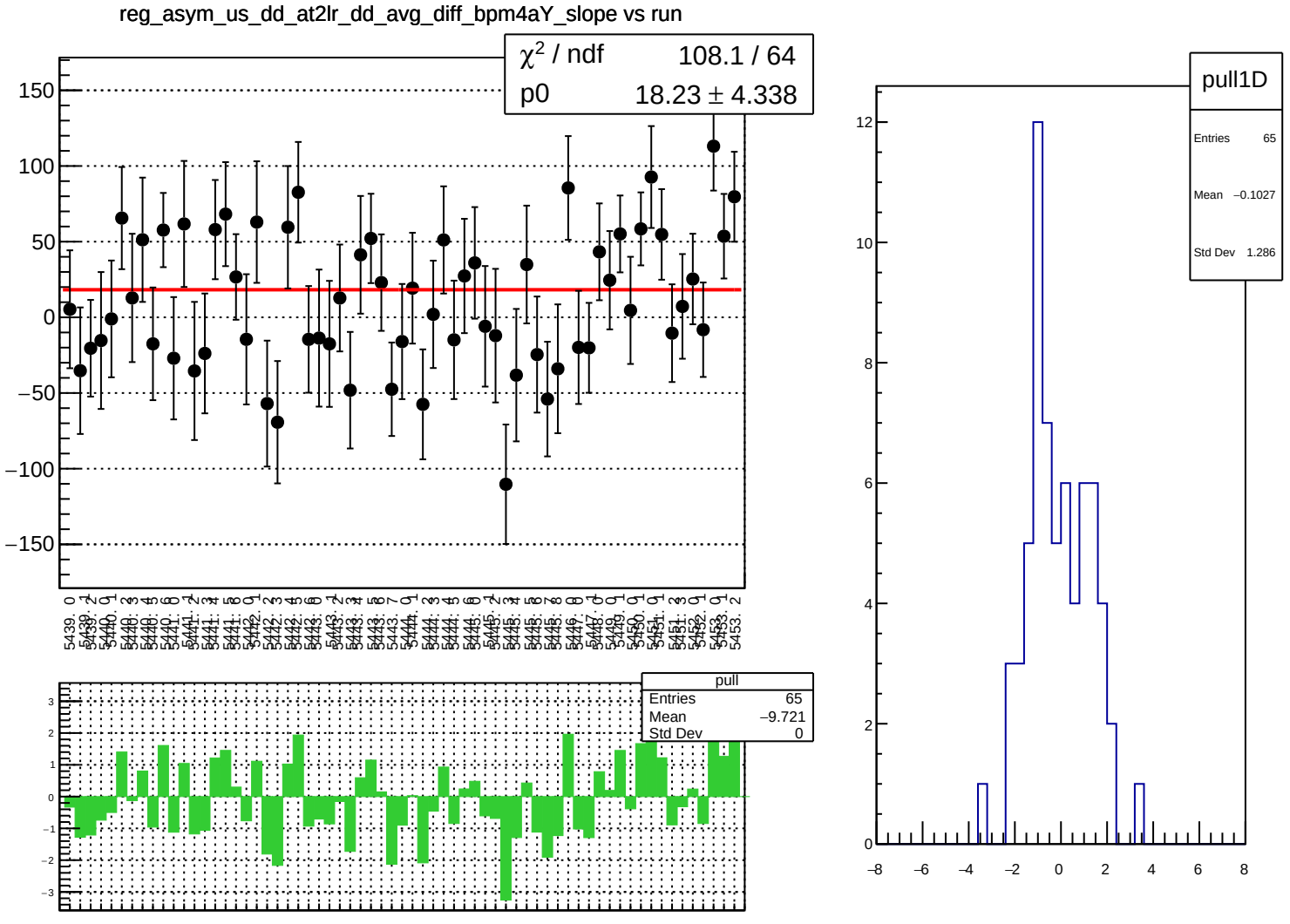

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.65 / 64
p0 12.15 ± 8.465
pull
Entries 65
Mean −445.2
Std Dev 0

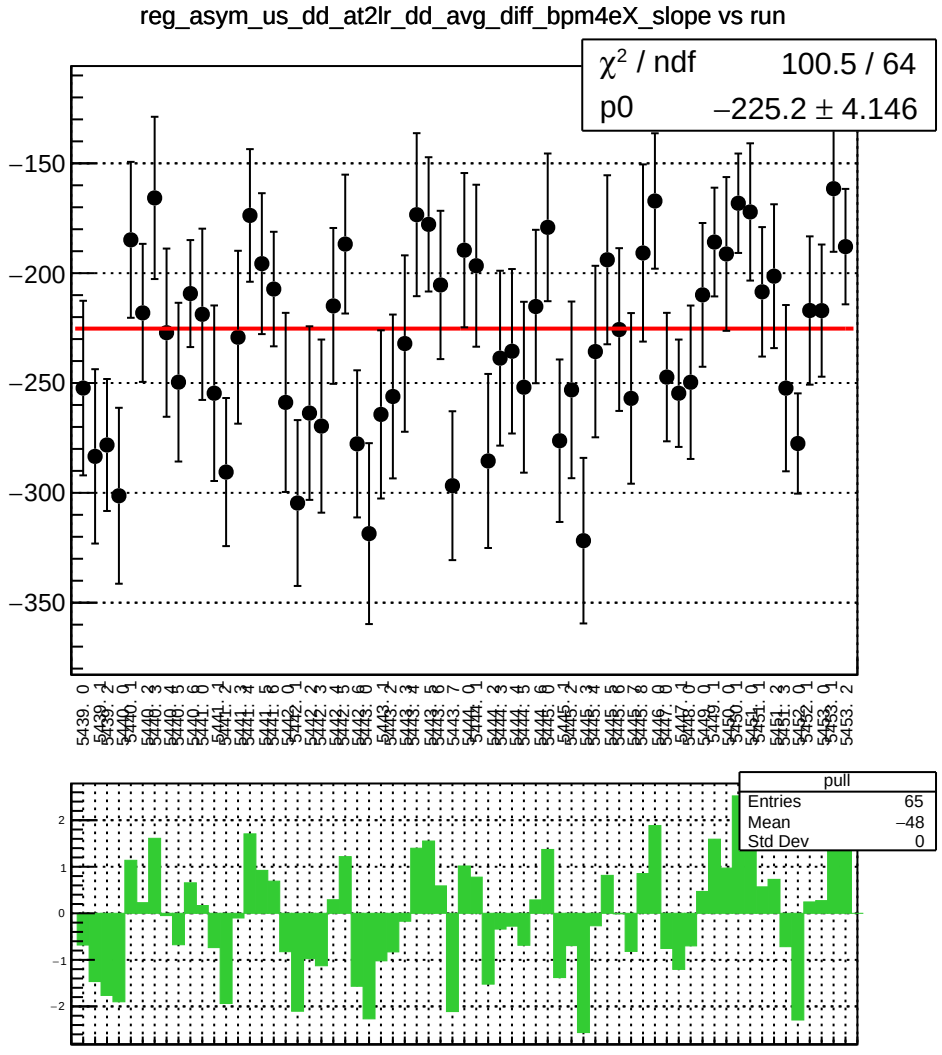

pull1D
Entries 65
Mean −0.008906
Std Dev 0.9417

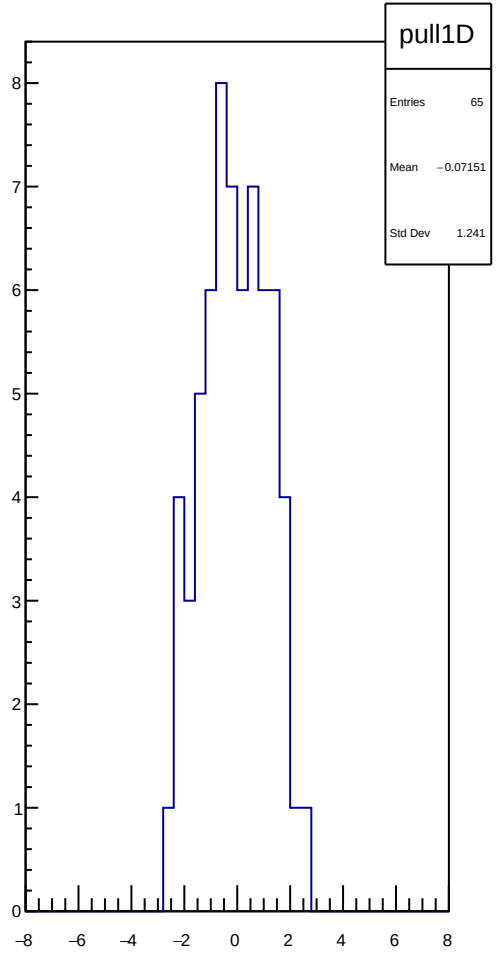

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 94.4 / 64
p0 −67.68 ± 0.3776
pull
Entries 65
Mean 54.7
Std Dev 0
pull1D
Entries 65
Mean −0.05664
Std Dev 1.204

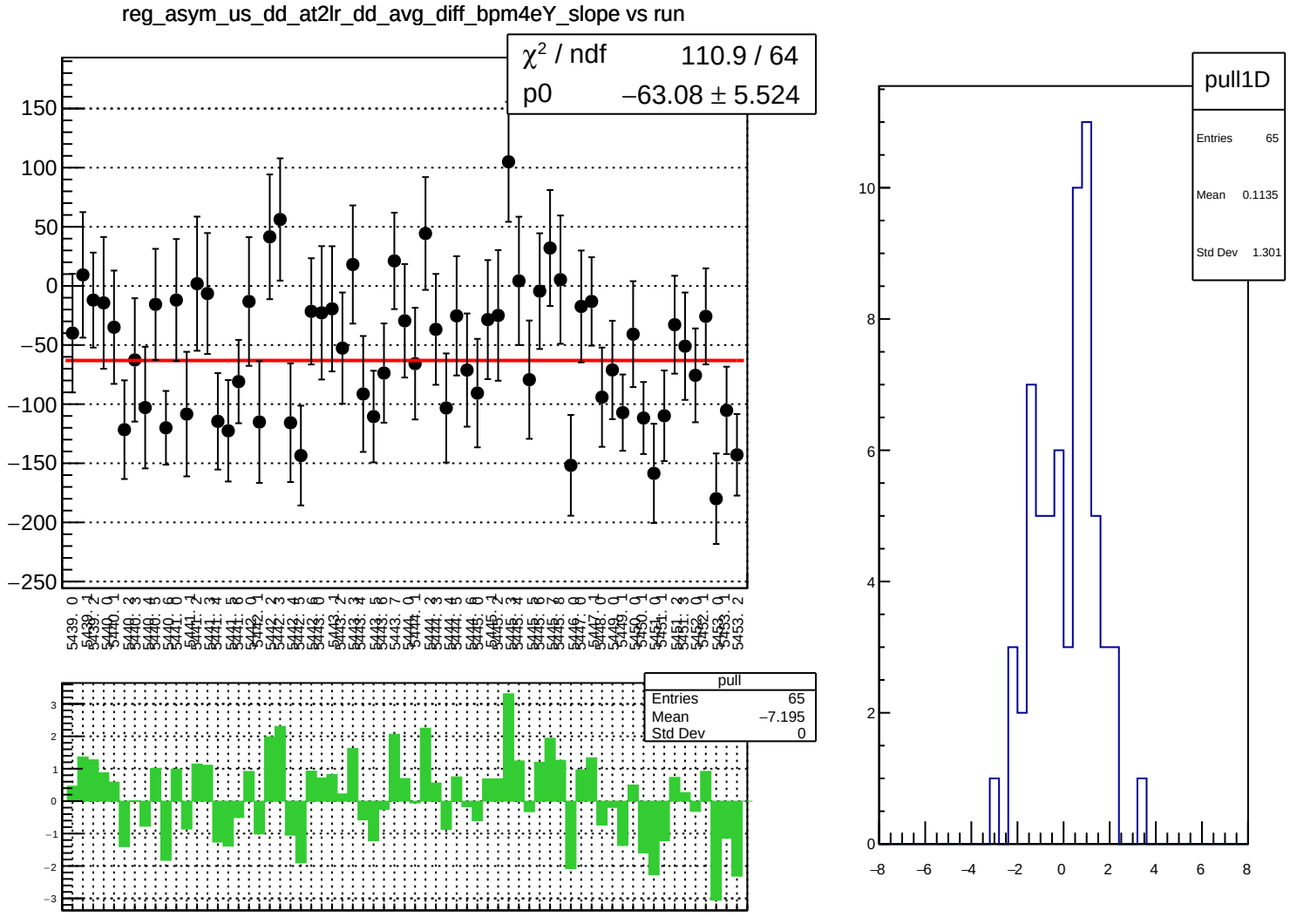

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 104 / 64
p0 6.484 ± 5.297
pull
Entries 65
Mean −52.58
Std Dev 0

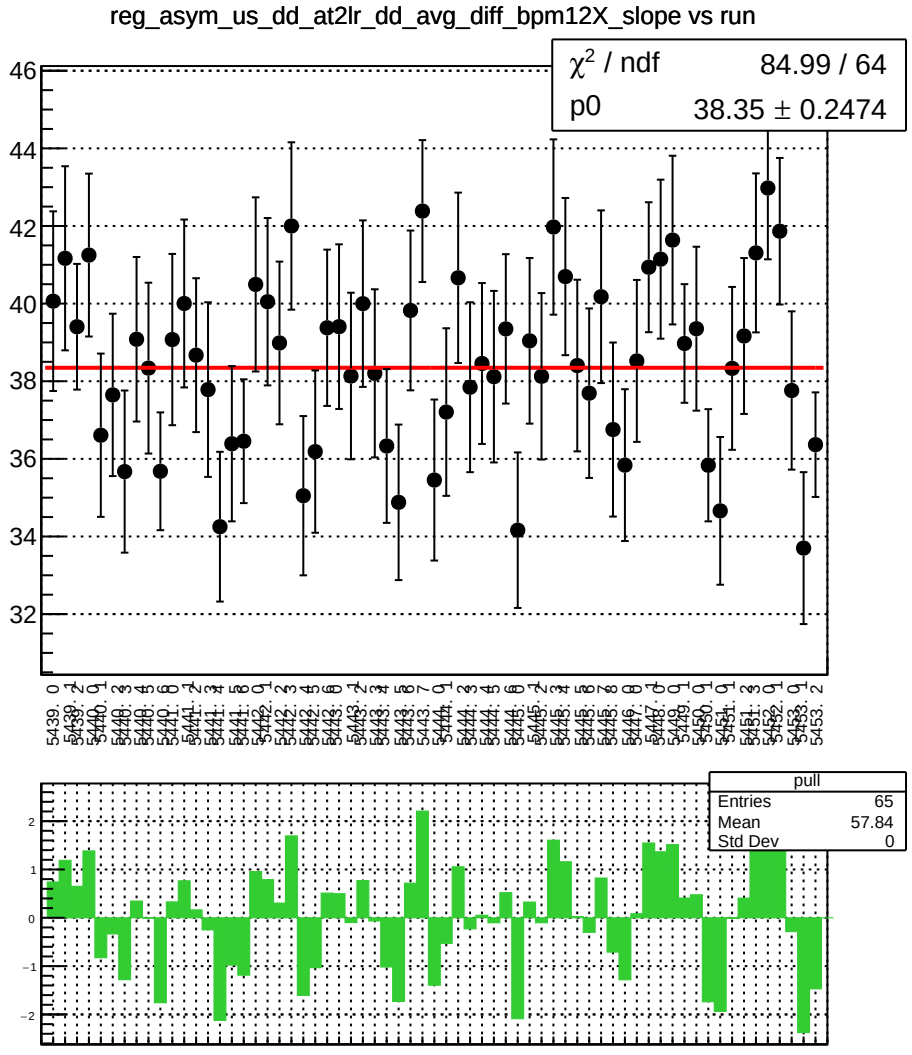

pull1D
Entries 65
Mean 0.06869
Std Dev 1.263

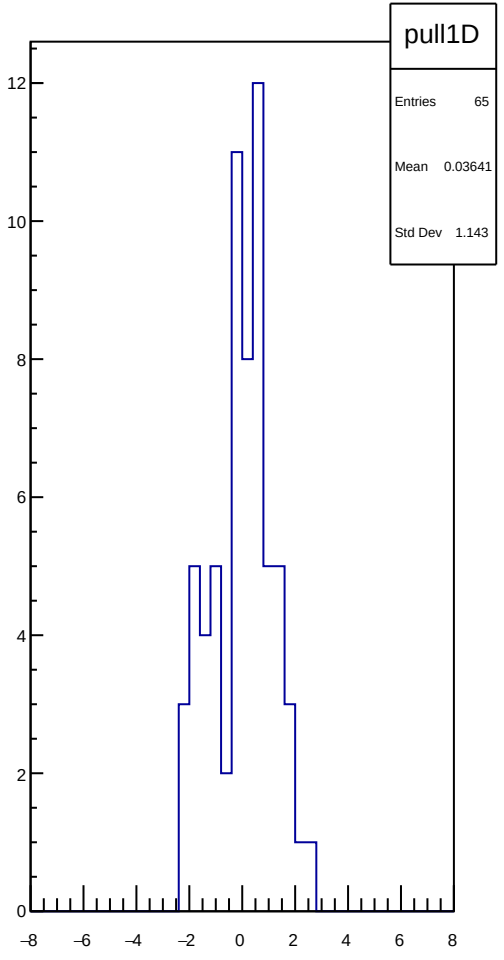

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 108.1 / 64
p0 18.23 ± 4.338
150
100
50
0
−50
−100
−150
pull
Entries 65
Mean −9.721
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 65
Mean −0.1027
Std Dev 1.286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

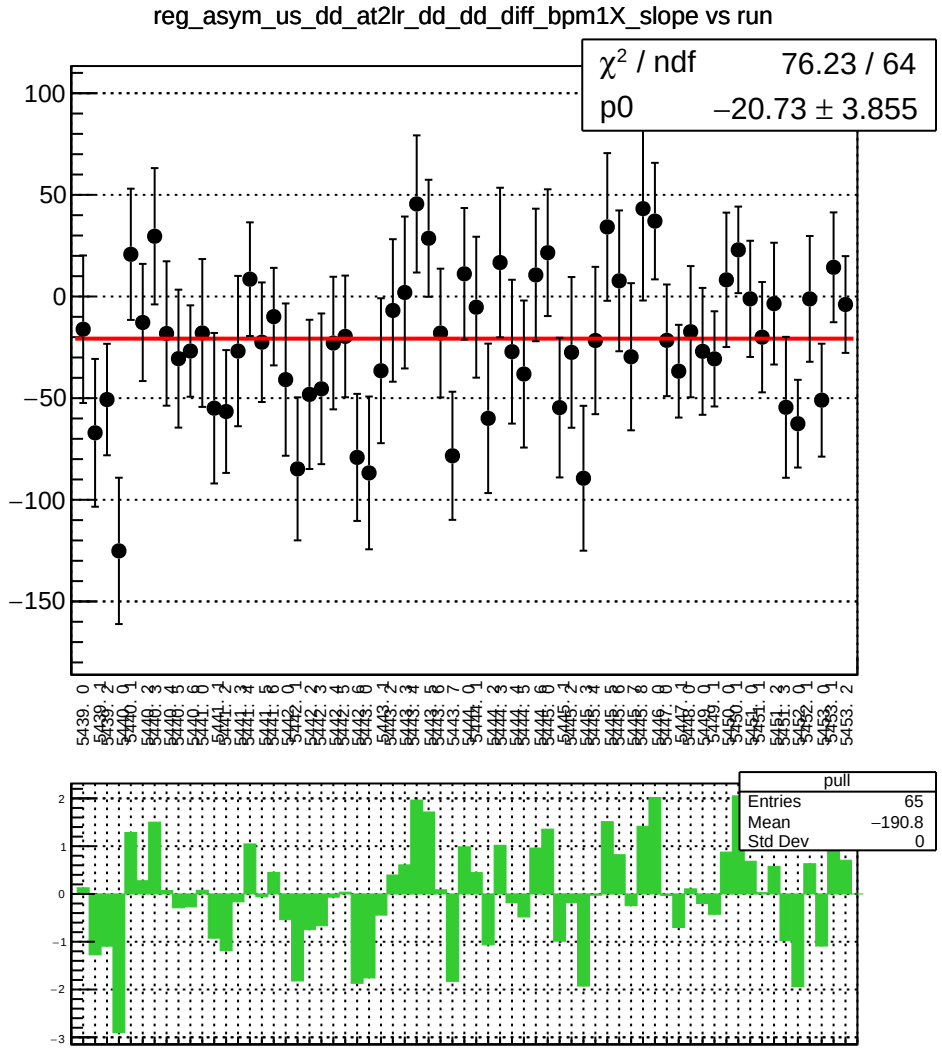

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.5 / 64
p0 −225.2 ± 4.146
pull
Entries 65
Mean −48
Std Dev 0

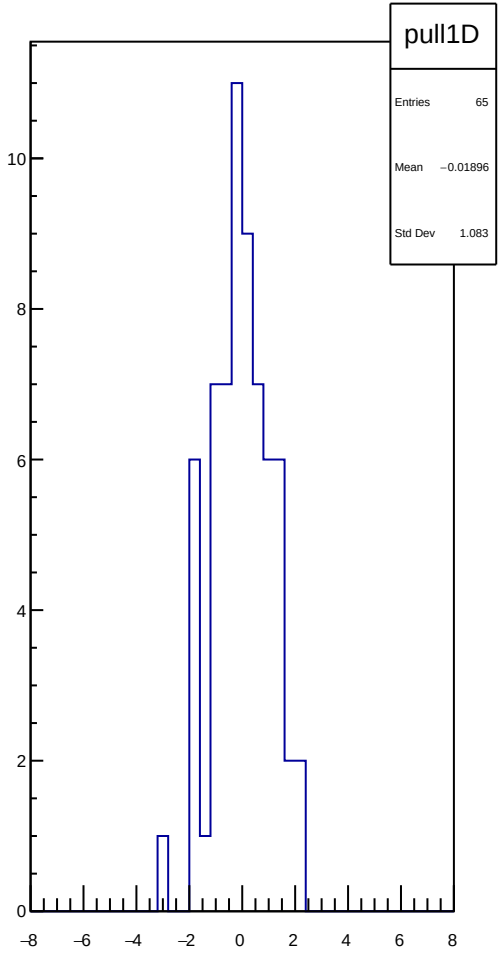

pull1D
Entries 65
Mean −0.07151
Std Dev 1.241

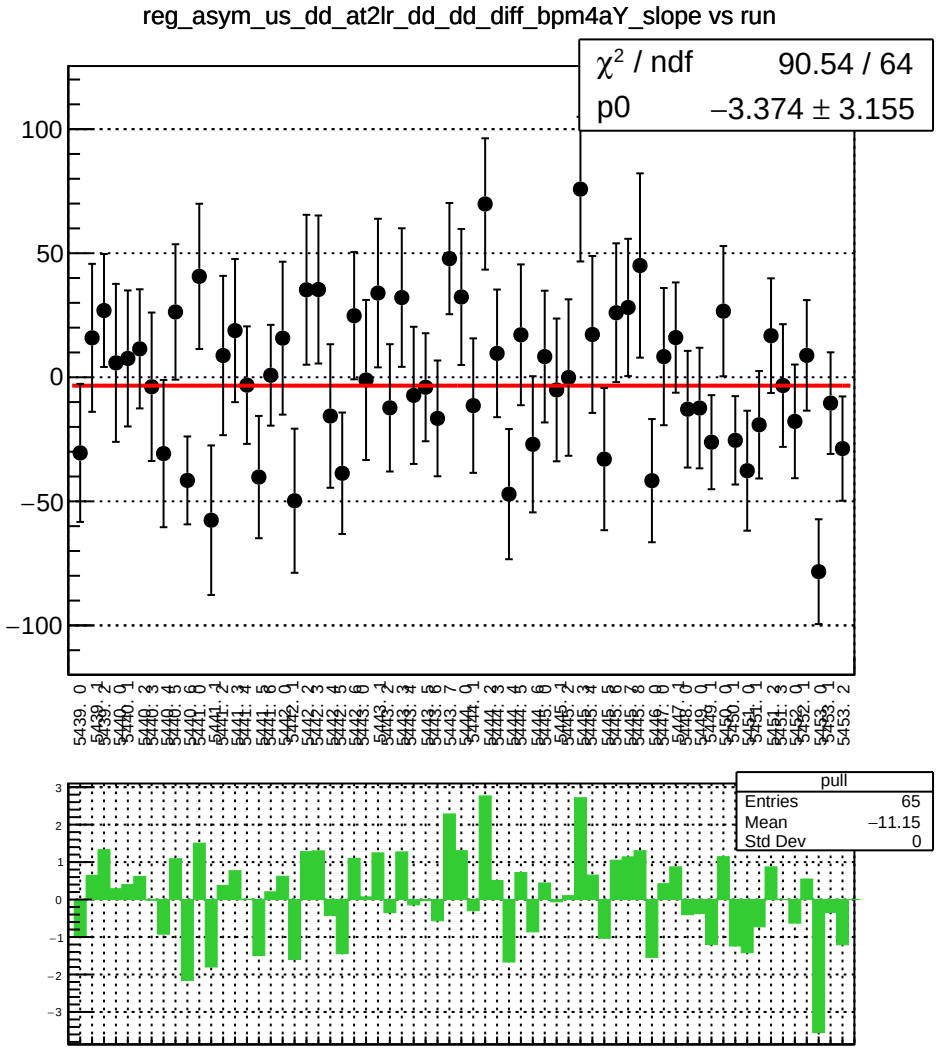

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 110.9 / 64
p0 −63.08 ± 5.524
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 65
Mean −7.195
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 65
Mean 0.1135
Std Dev 1.301
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

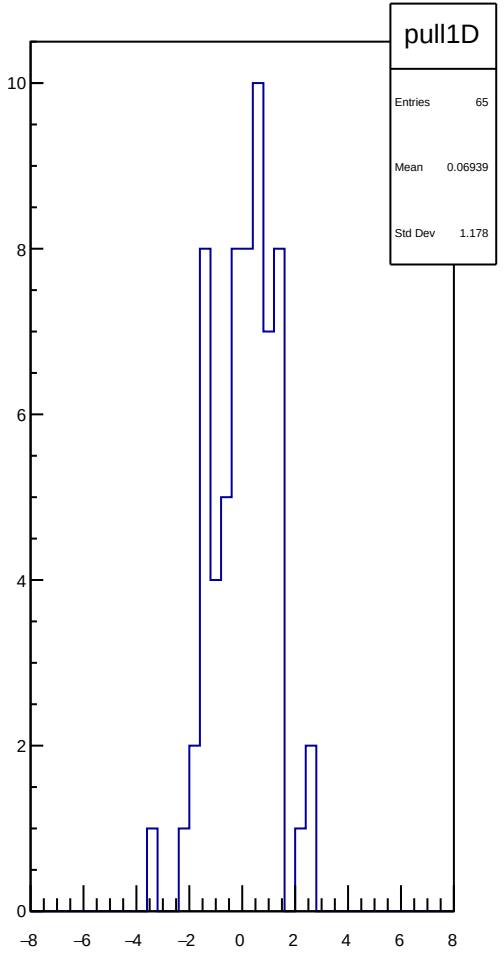

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 84.99 / 64
p0 38.35 ± 0.2474
pull
Entries 65
Mean 57.84
Std Dev 0

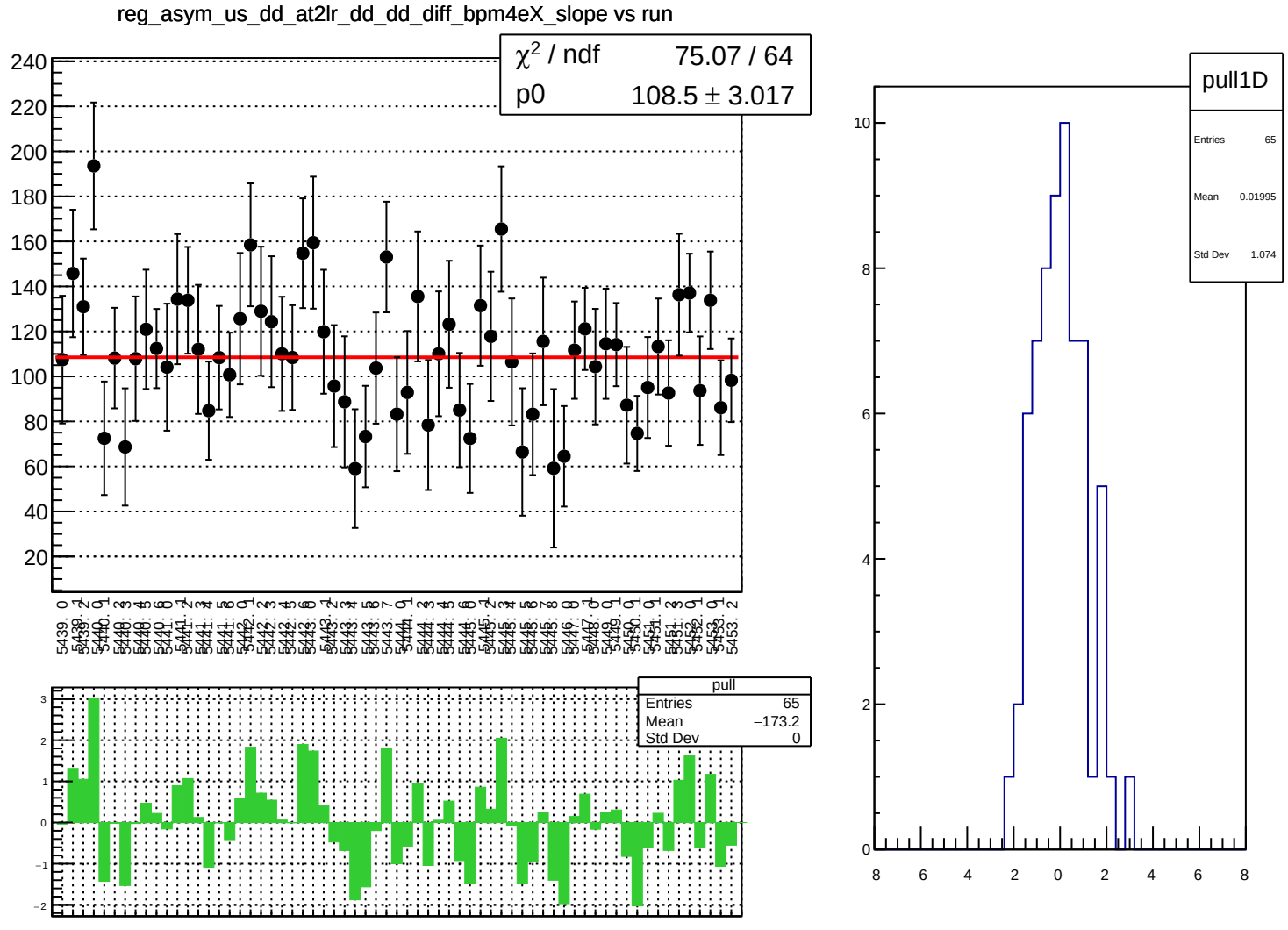

pull1D
Entries 65
Mean 0.03641
Std Dev 1.143

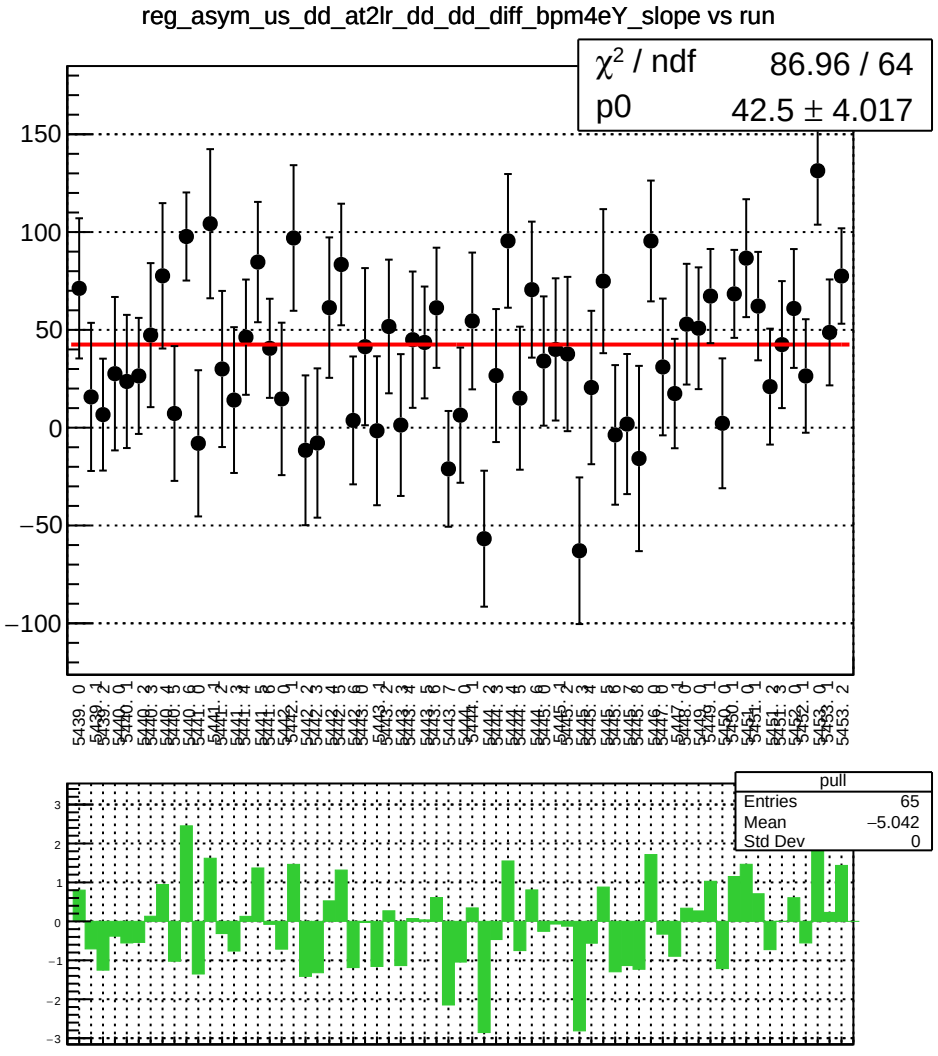

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 76.23 / 64
p0 −20.73 ± 3.855
pull
Entries 65
Mean −190.8
Std Dev 0

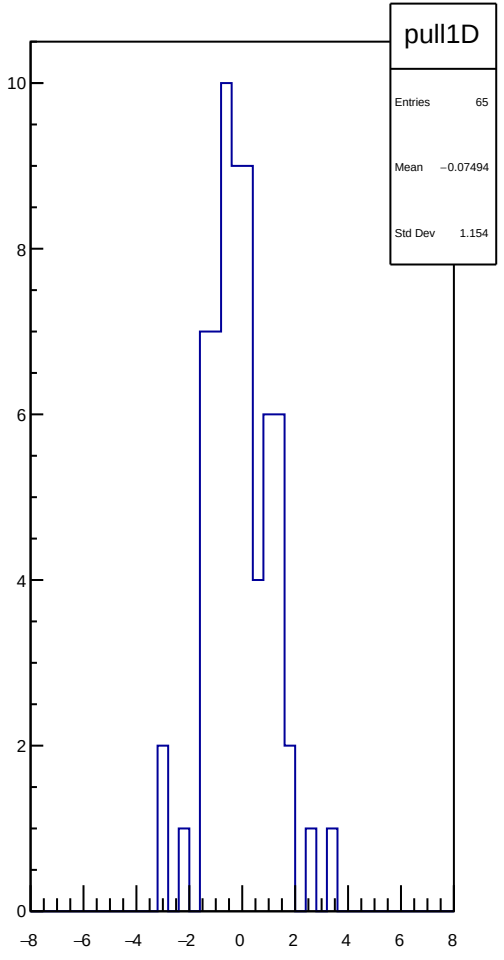

pull1D
Entries 65
Mean −0.01896
Std Dev 1.083

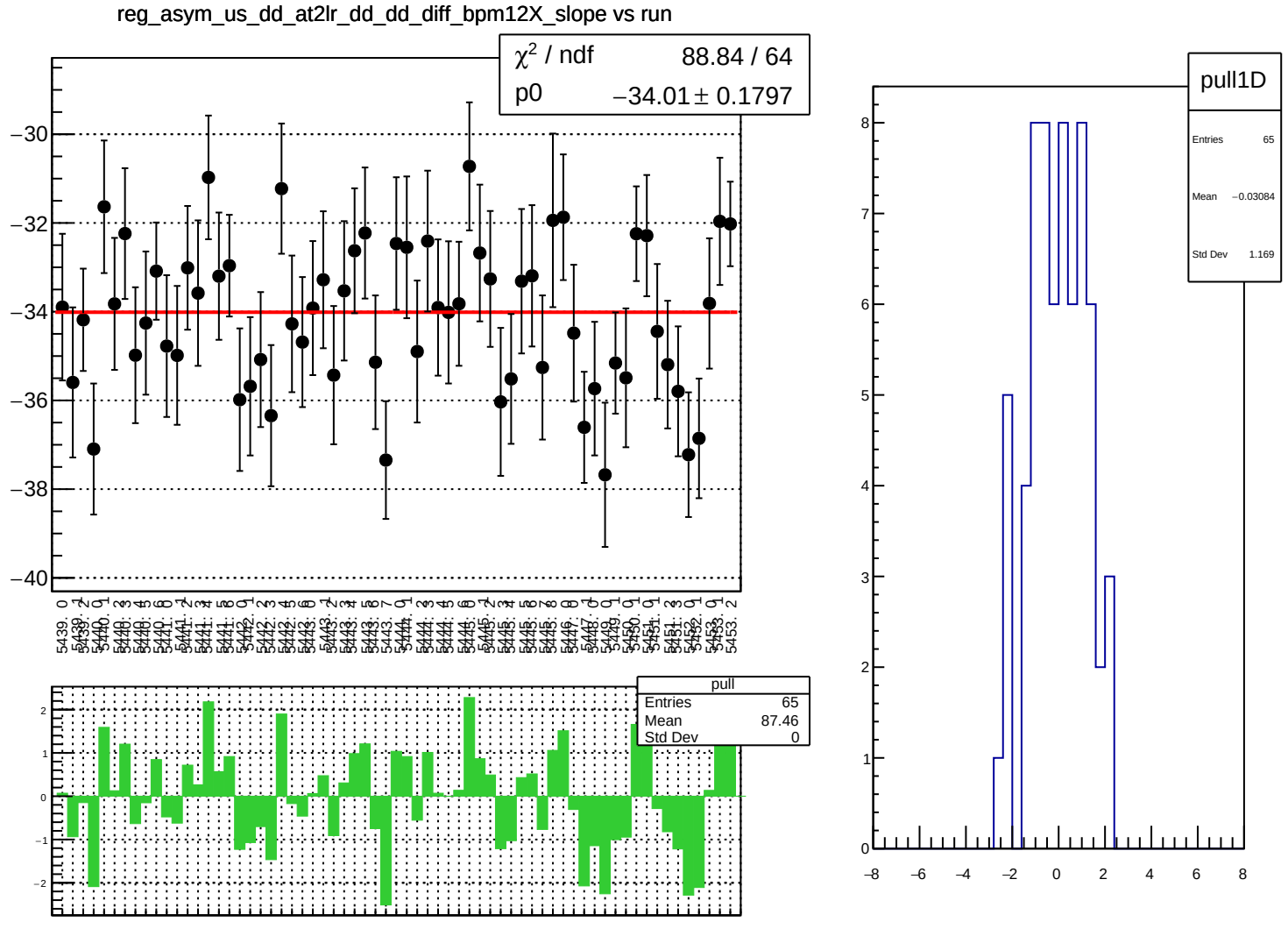

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.54 / 64
p0 −3.374 ± 3.155
pull
Entries 65
Mean −11.15
Std Dev 0

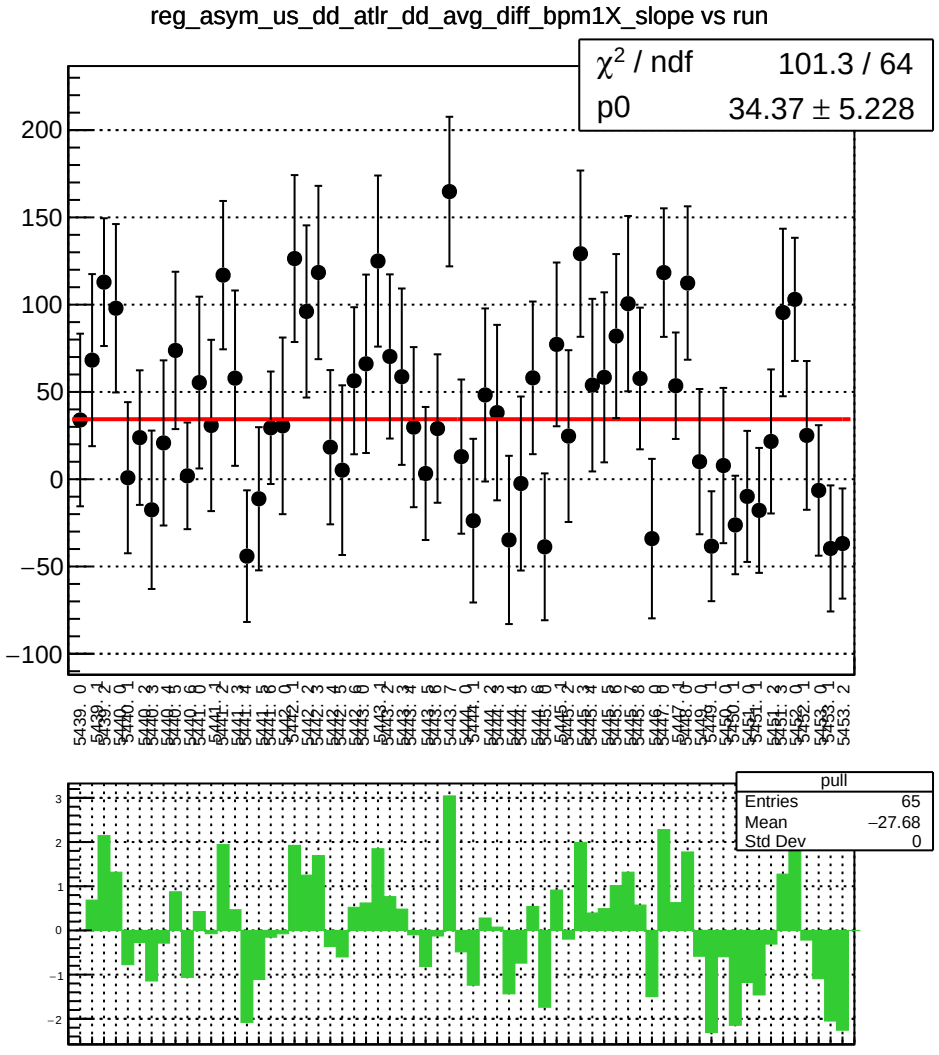

pull1D
Entries 65
Mean 0.06939
Std Dev 1.178

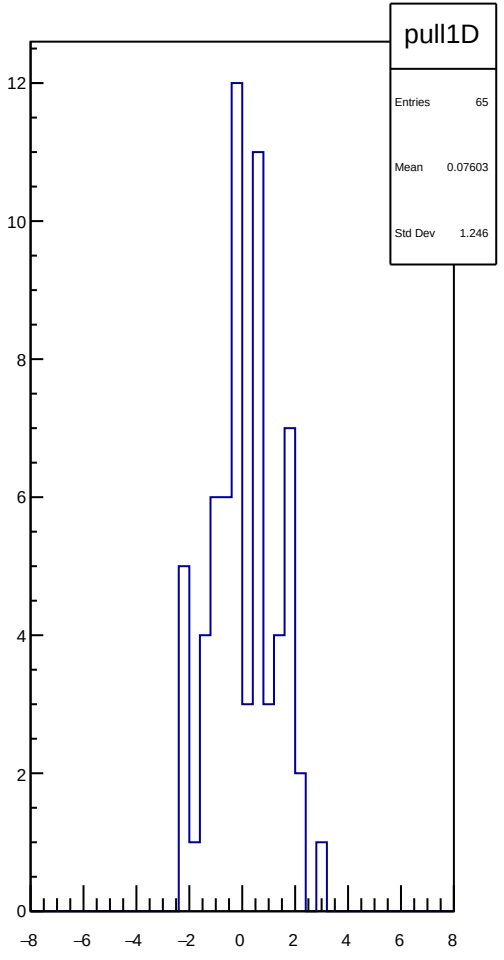

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.07 / 64
p0 108.5 ± 3.017
pull
Entries 65
Mean −173.2
Std Dev 0
pull1D
Entries 65
Mean 0.01995
Std Dev 1.074

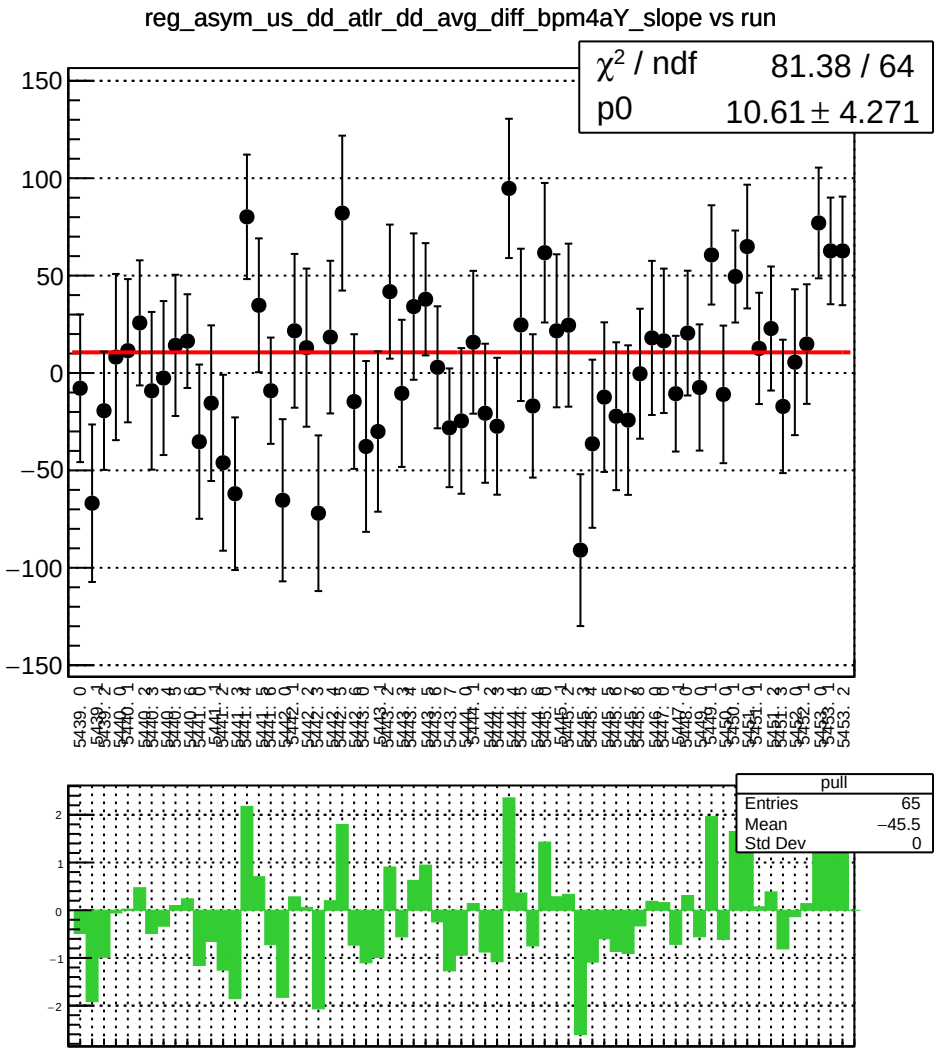

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.96 / 64
p0 42.5 ± 4.017
pull
Entries 65
Mean −5.042
Std Dev 0

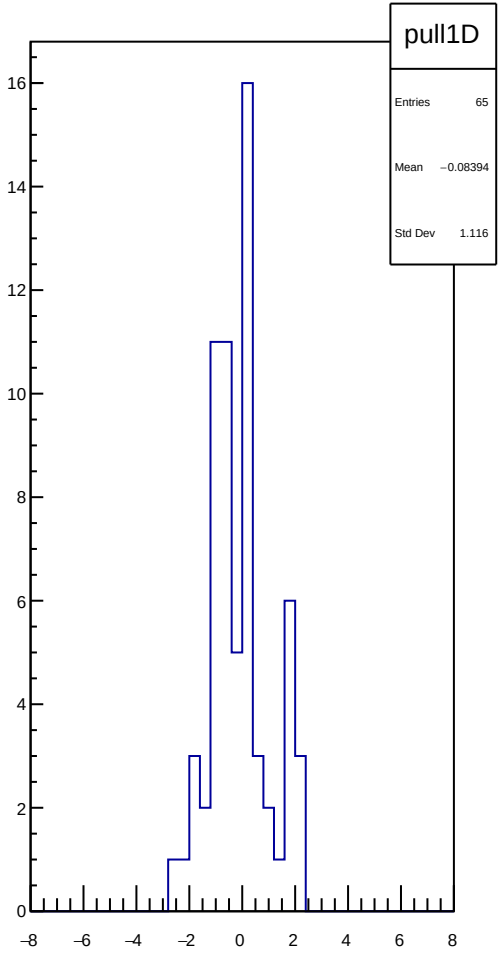

pull1D
Entries 65
Mean −0.07494
Std Dev 1.154

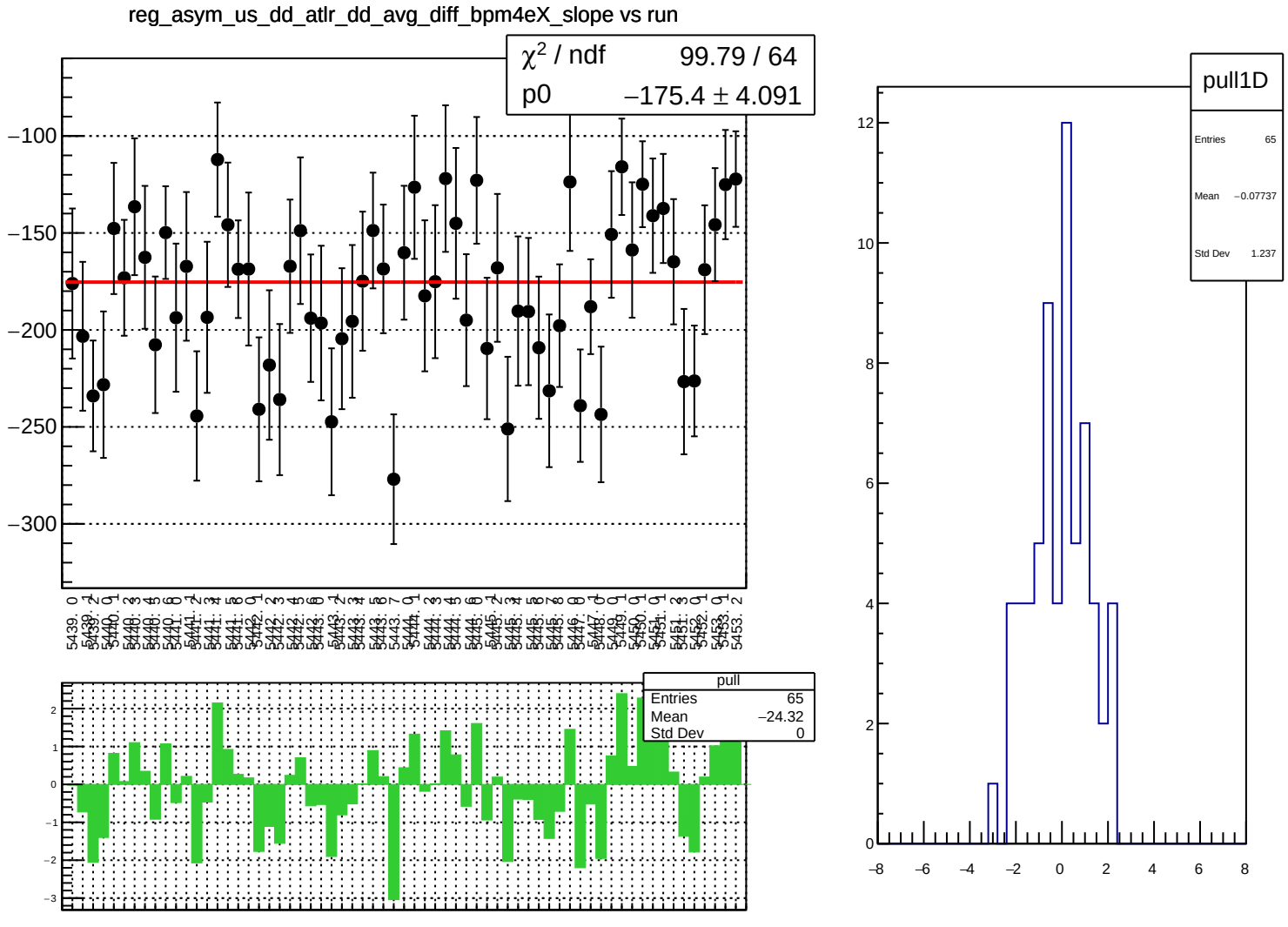

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 88.84 / 64
p0 −34.01 ± 0.1797
pull
Entries 65
Mean 87.46
Std Dev 0
pull1D
Entries 65
Mean −0.03084
Std Dev 1.169

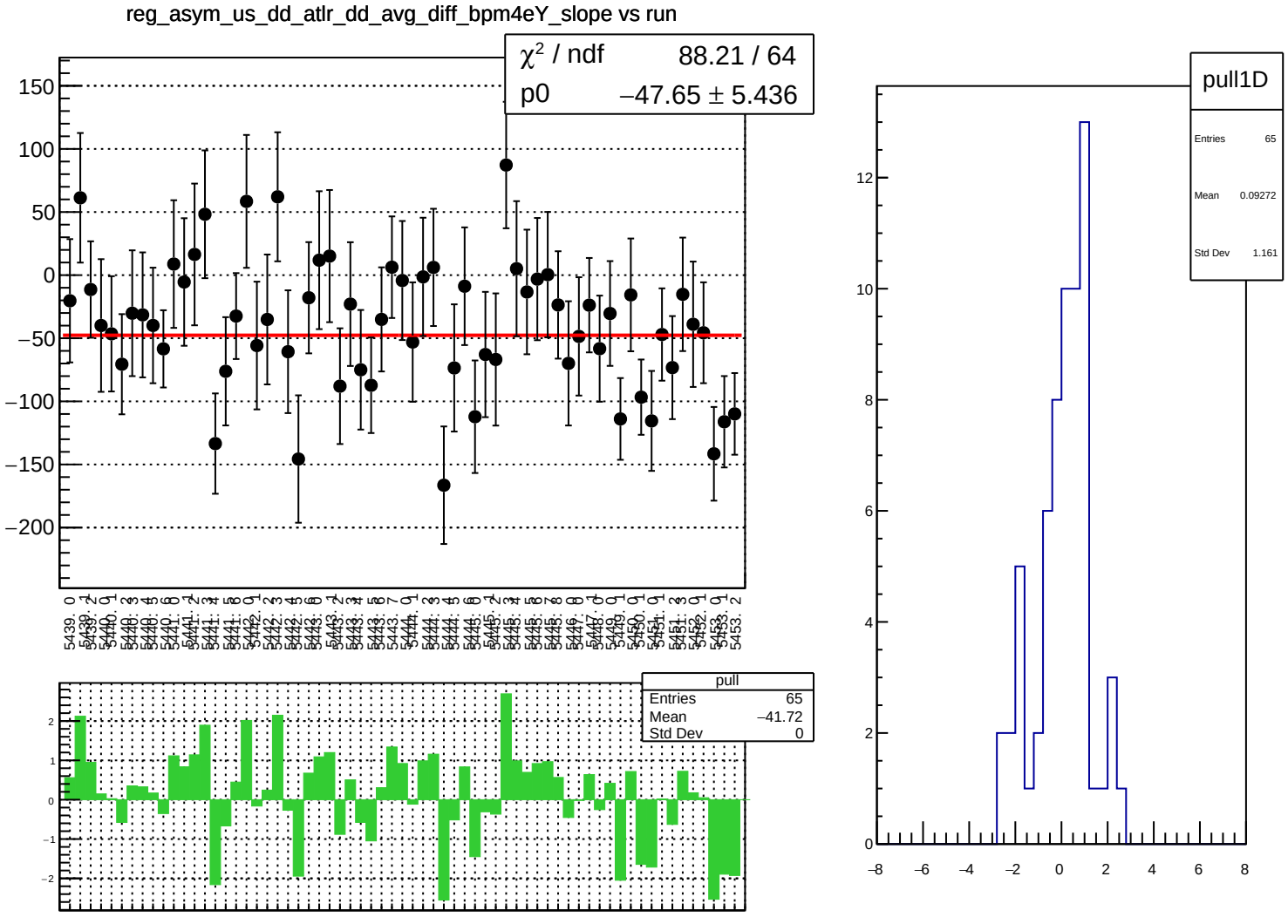

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 101.3 / 64
p0 34.37 ± 5.228
pull
Entries 65
Mean −27.68
Std Dev 0

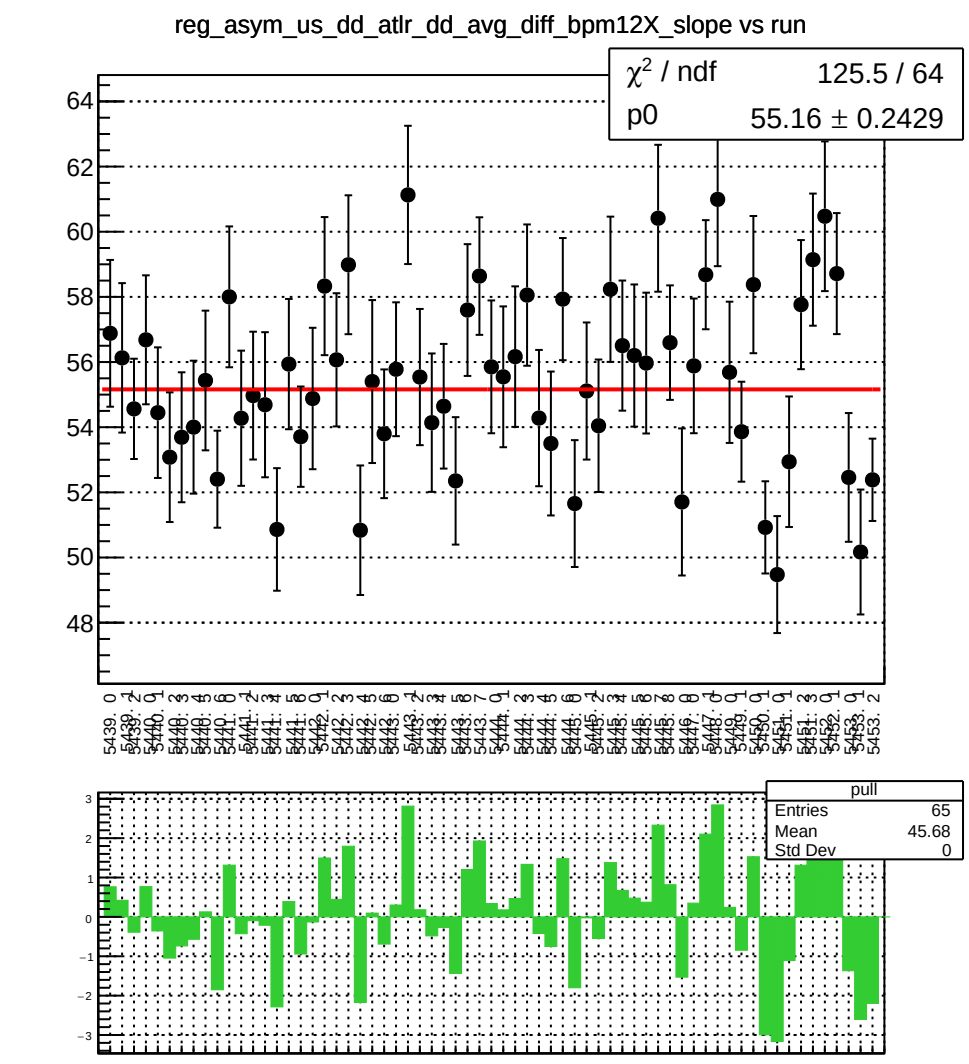

pull1D
Entries 65
Mean 0.07603
Std Dev 1.246

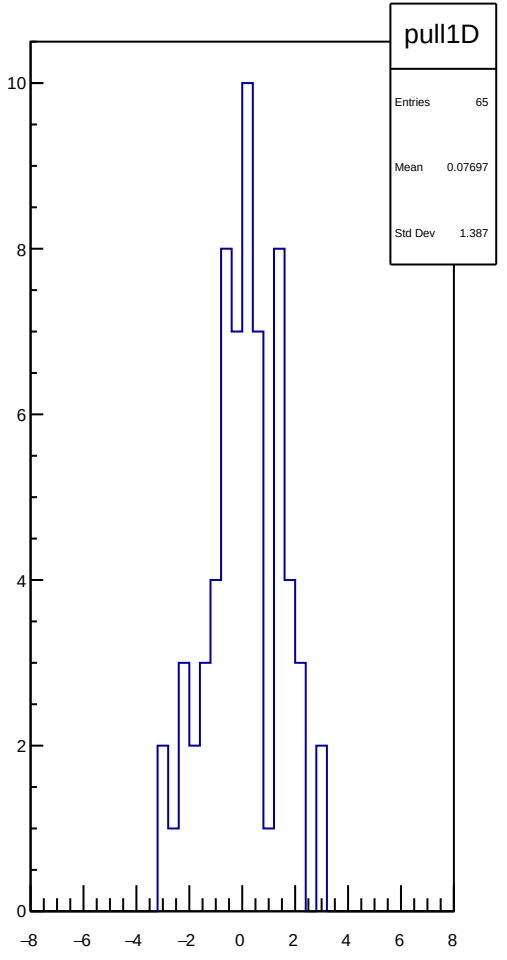

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.38 / 64
p0 10.61 ± 4.271
pull
Entries 65
Mean −45.5
Std Dev 0

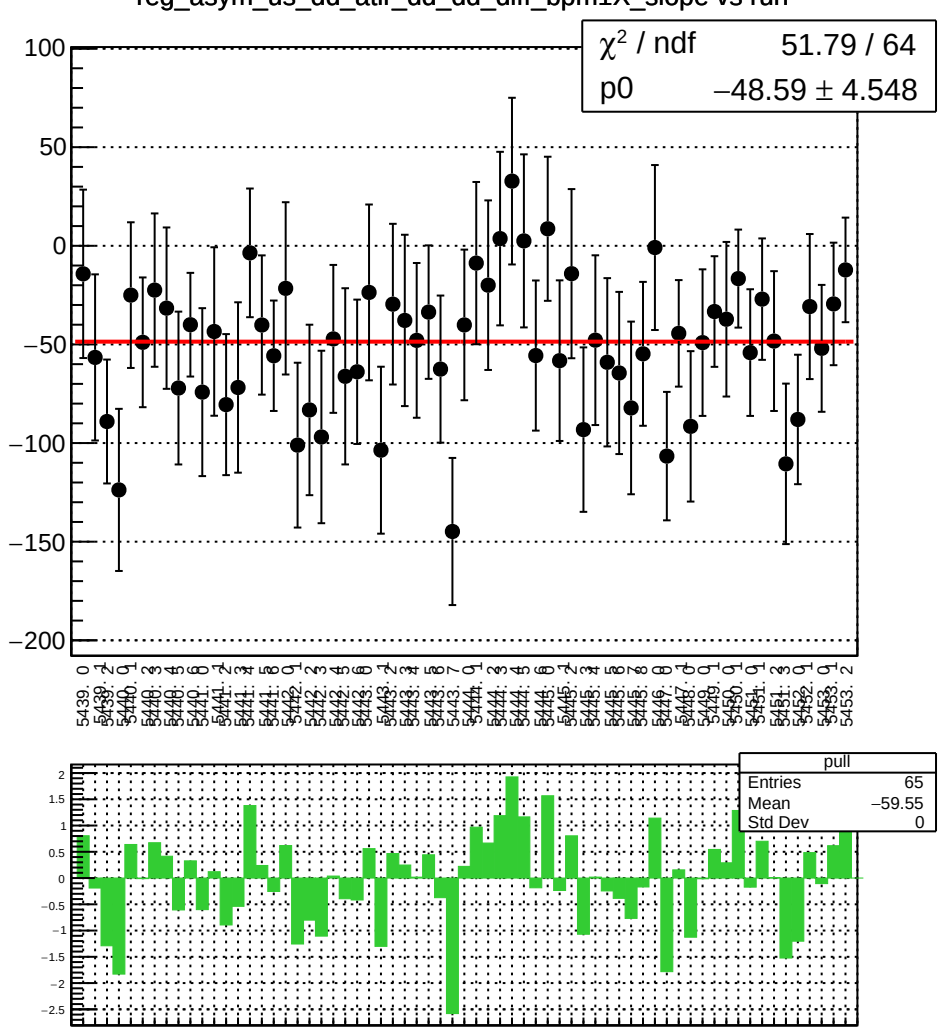

pull1D
Entries 65
Mean −0.08394
Std Dev 1.116

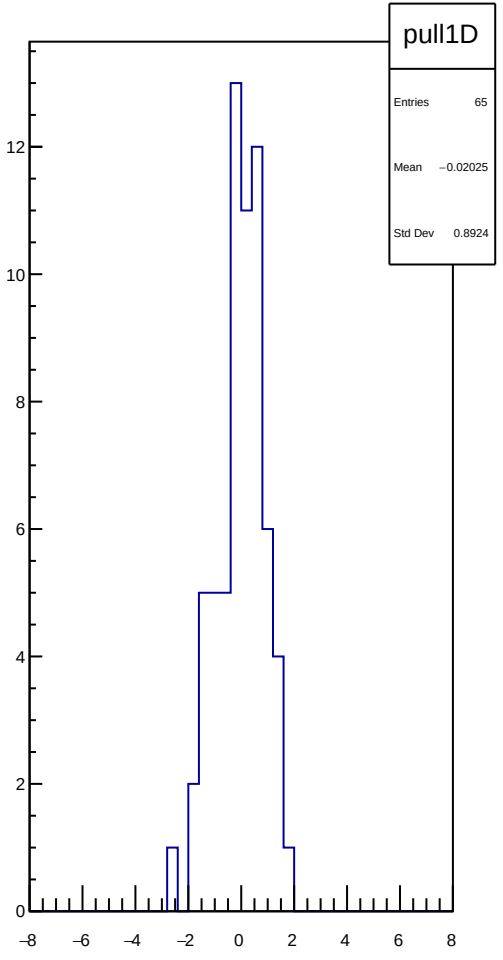

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.79 / 64
p0 −175.4 ± 4.091
pull
Entries 65
Mean −24.32
Std Dev 0
pull1D
Entries 65
Mean −0.07737
Std Dev 1.237

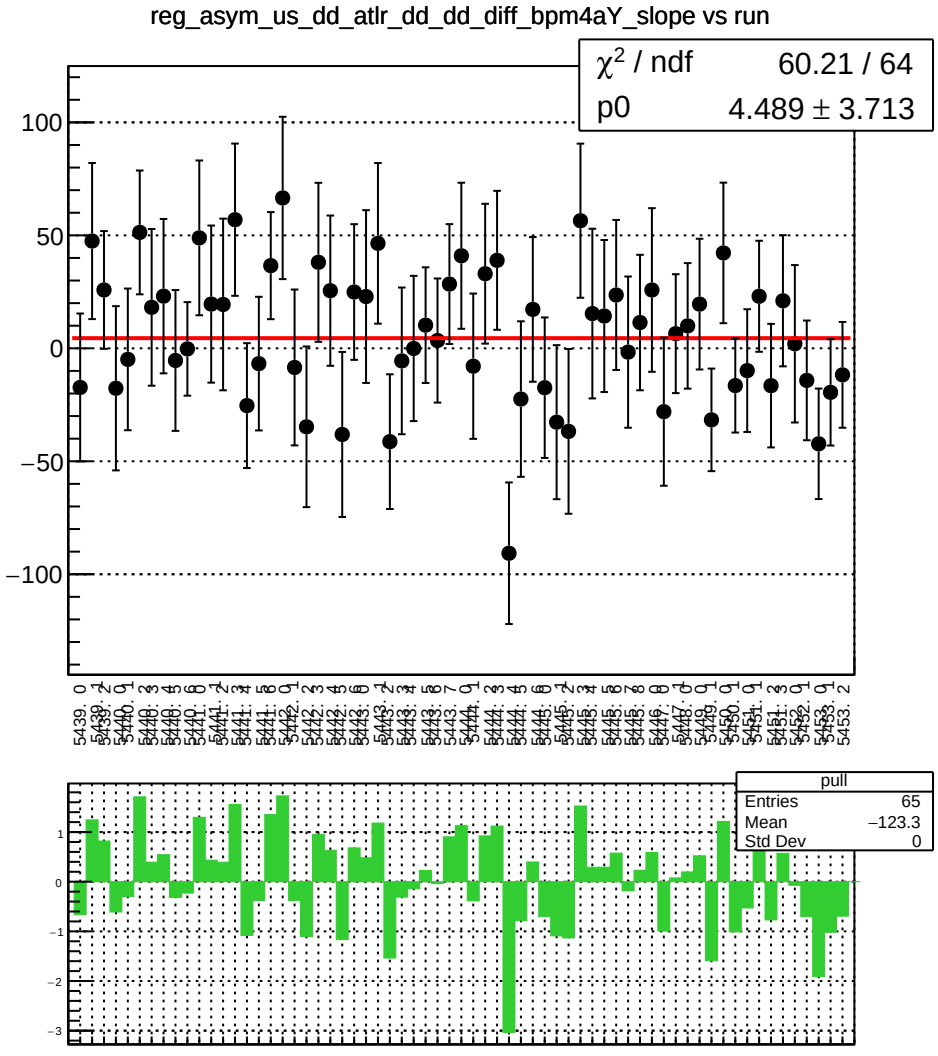

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 88.21 / 64
p0 −47.65 ± 5.436
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean −41.72
Std Dev 0
pull1D
Entries 65
Mean 0.09272
Std Dev 1.161

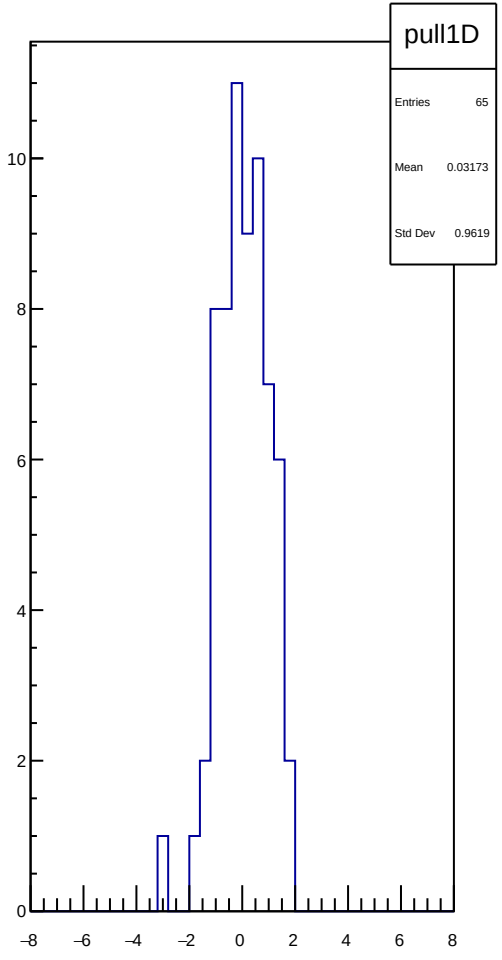

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 125.5 / 64
p0 55.16 ± 0.2429
pull
Entries 65
Mean 45.68
Std Dev 0

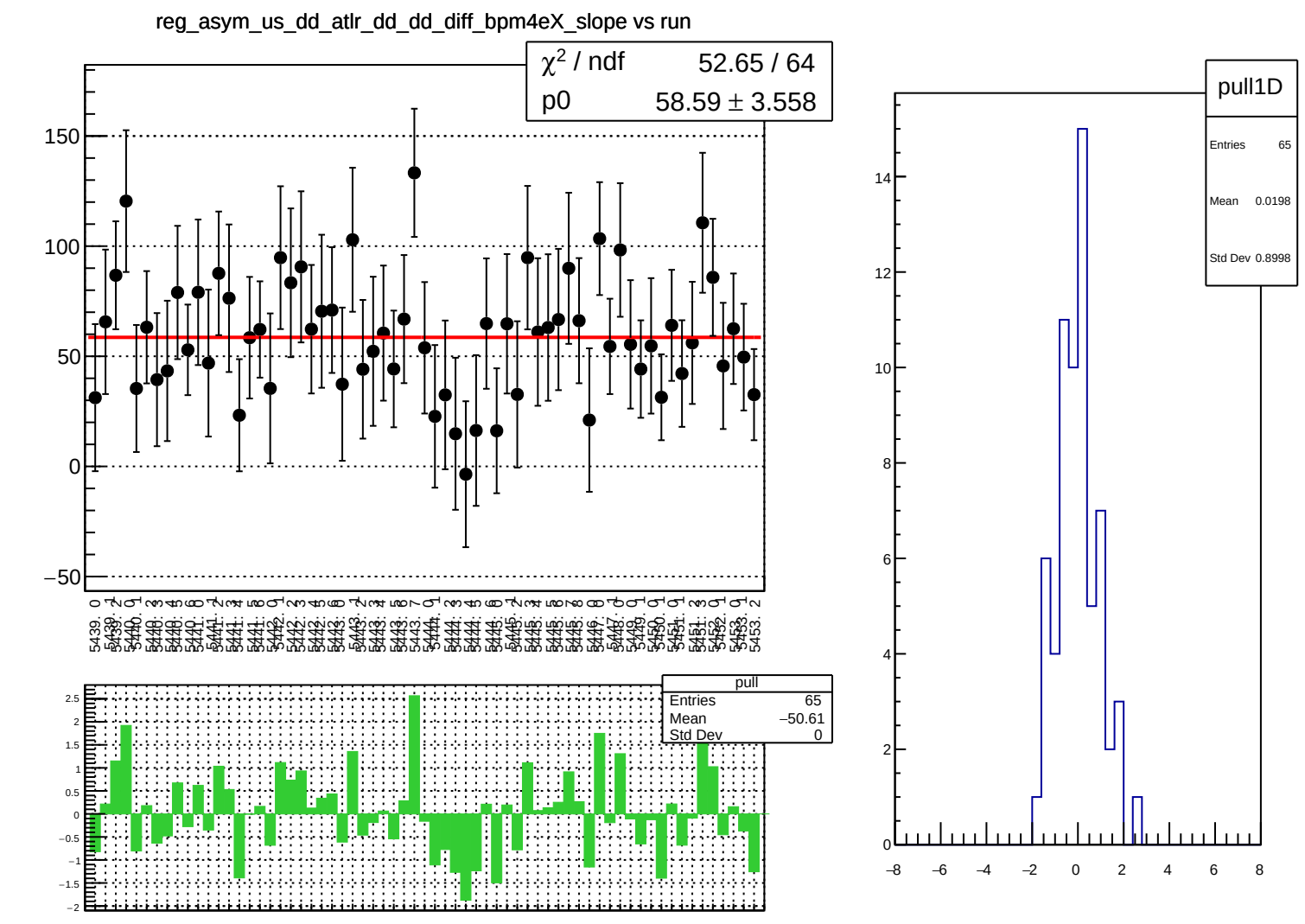

pull1D
Entries 65
Mean 0.07697
Std Dev 1.387

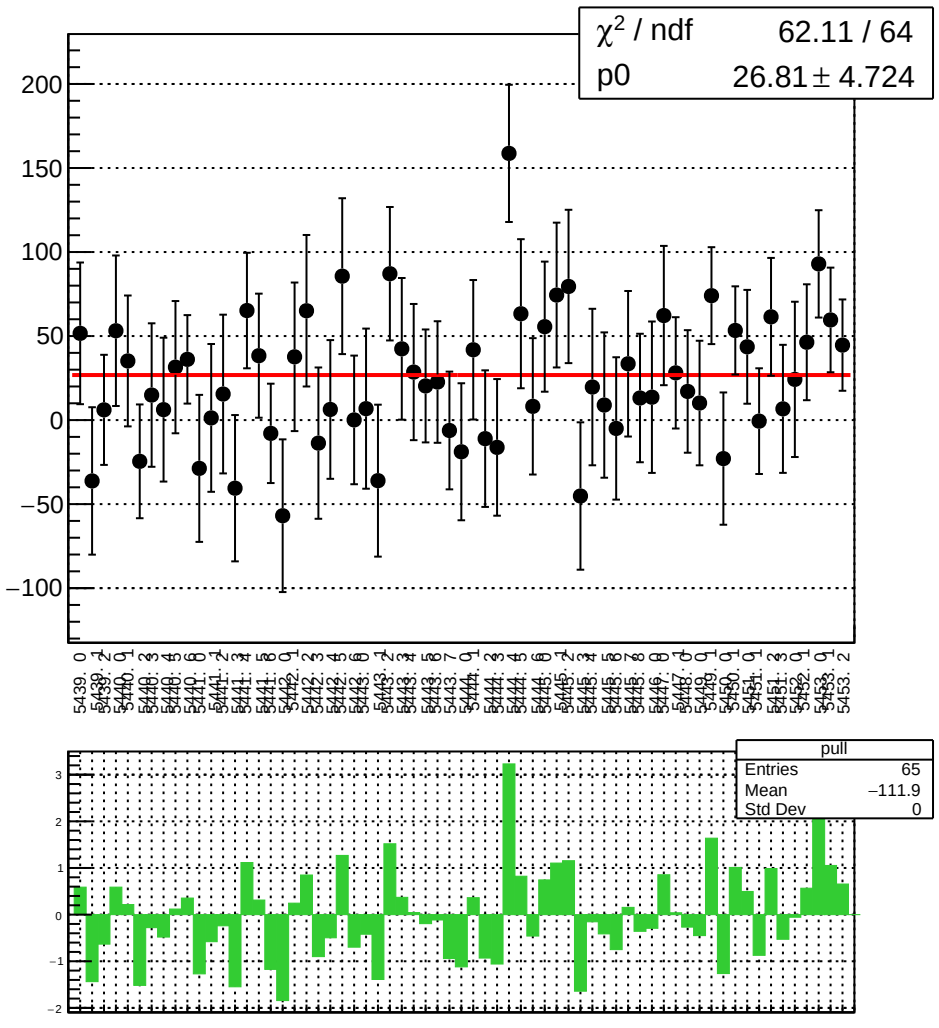

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 51.79 / 64
p0 −48.59 ± 4.548
pull
Entries 65
Mean −59.55
Std Dev 0

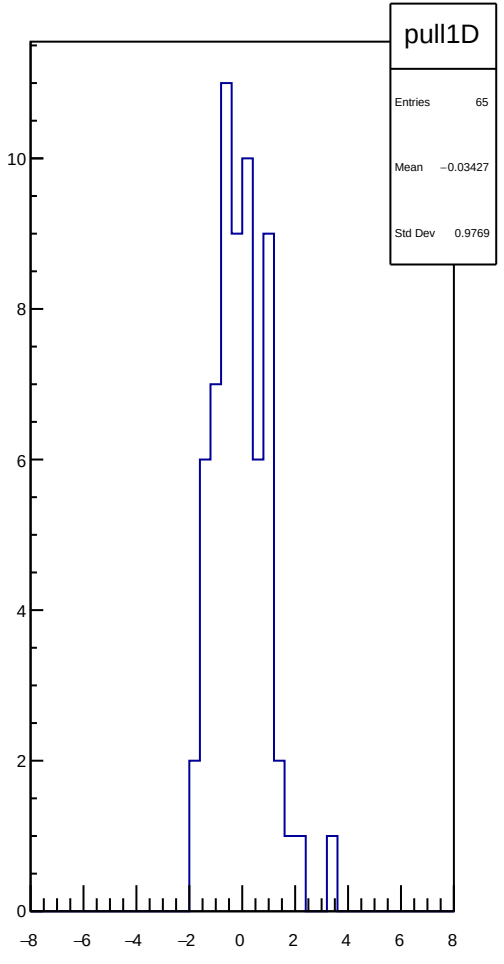

pull1D
Entries 65
Mean −0.02025
Std Dev 0.8924

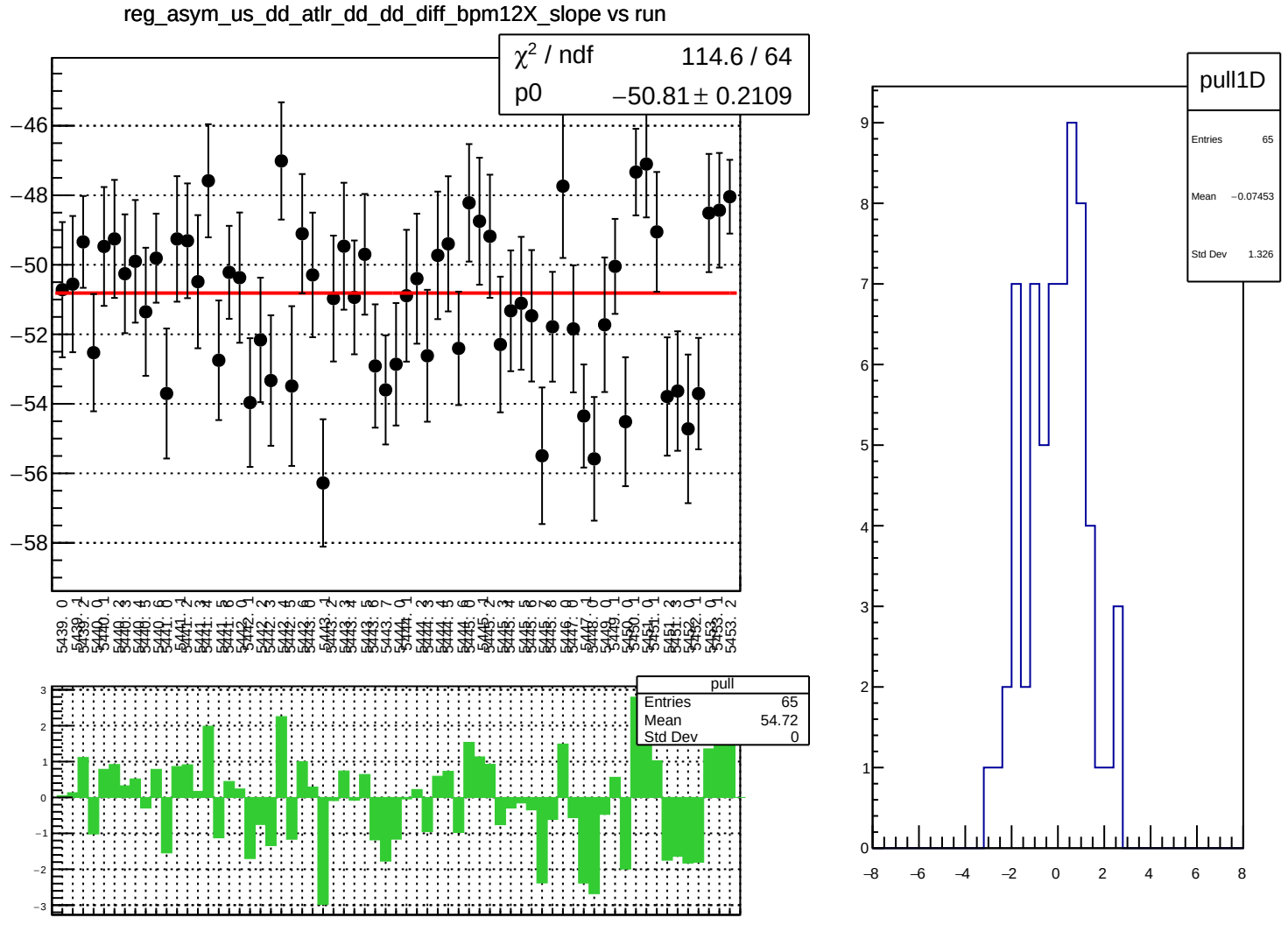

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.21 / 64
p0 4.489 ± 3.713
pull
Entries 65
Mean −123.3
Std Dev 0

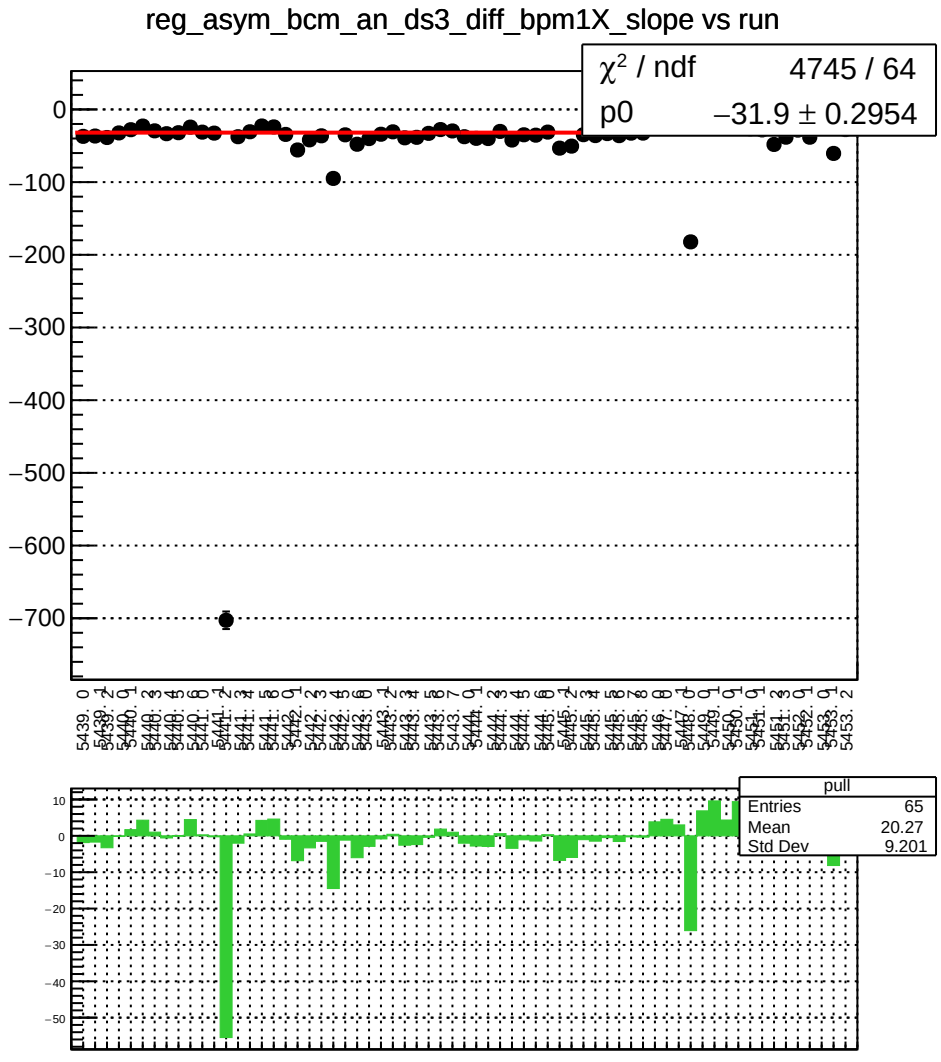

pull1D
Entries 65
Mean 0.03173
Std Dev 0.9619

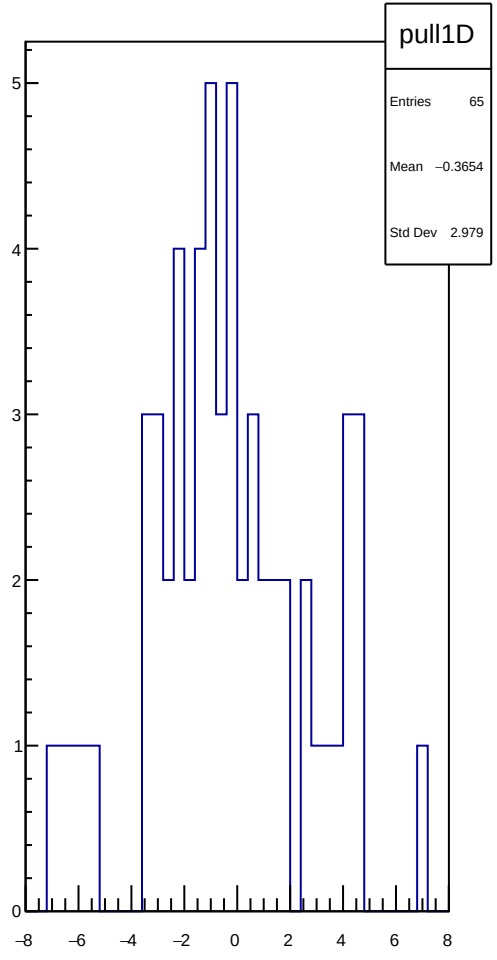

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.65 / 64
p0 58.59 ± 3.558
150
100
50
0
−50
pull
Entries 65
Mean −50.61
Std Dev 0
pull1D
Entries 65
Mean 0.0198
Std Dev 0.8998

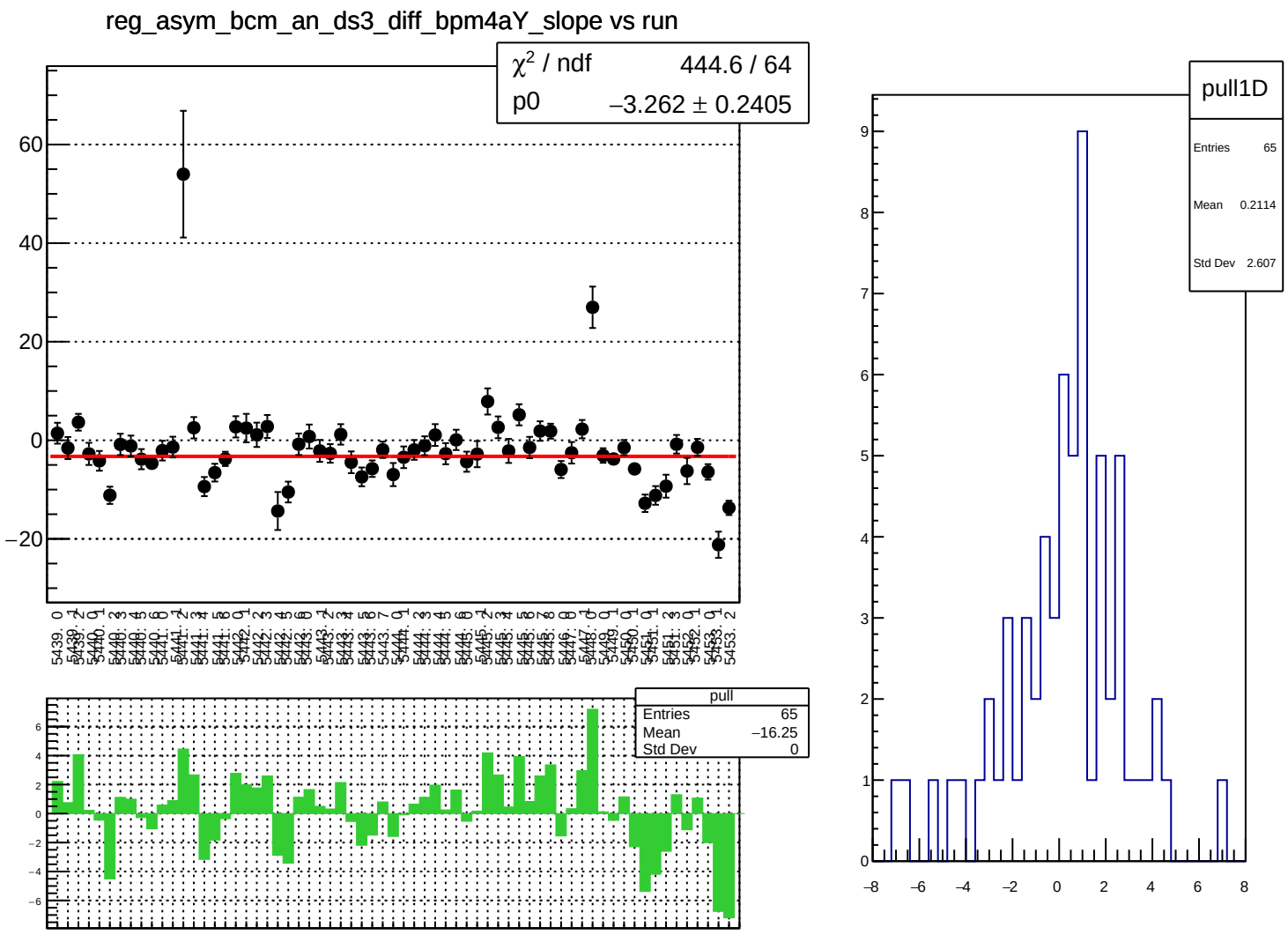

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.11 / 64
p0 26.81 ± 4.724
pull
Entries 65
Mean −111.9
Std Dev 0

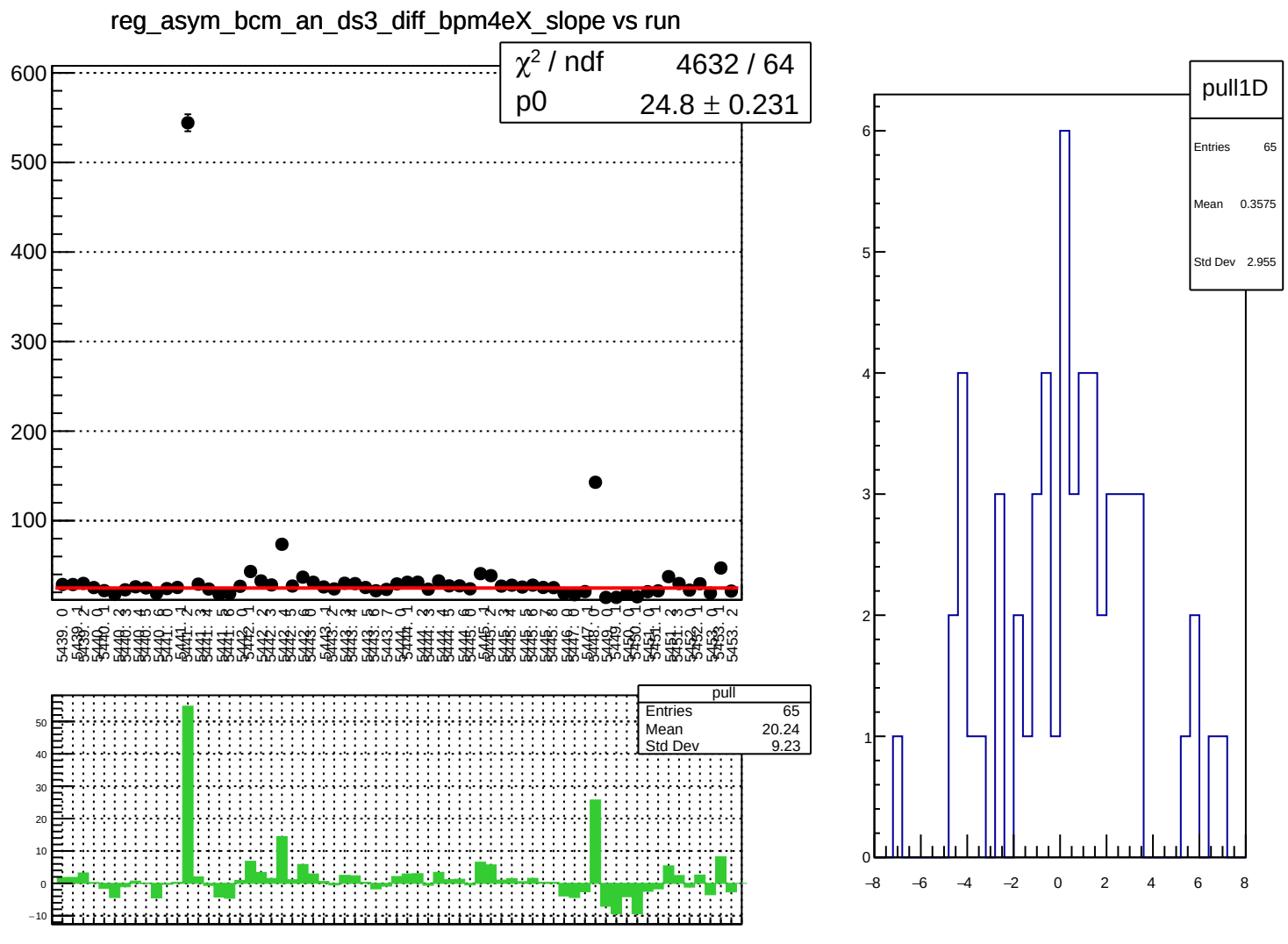

pull1D
Entries 65
Mean −0.03427
Std Dev 0.9769

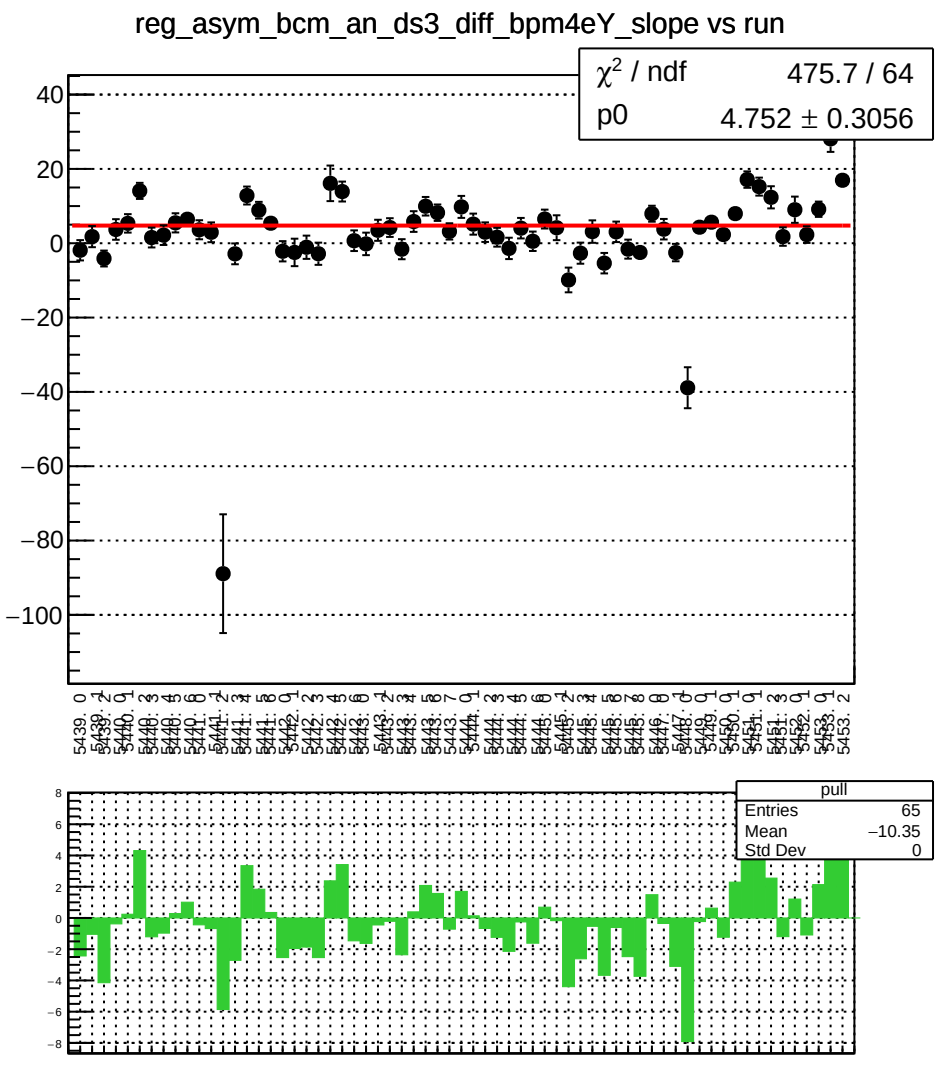

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 114.6 / 64
p0 −50.81 ± 0.2109
pull
Entries 65
Mean 54.72
Std Dev 0
pull1D
Entries 65
Mean −0.07453
Std Dev 1.326

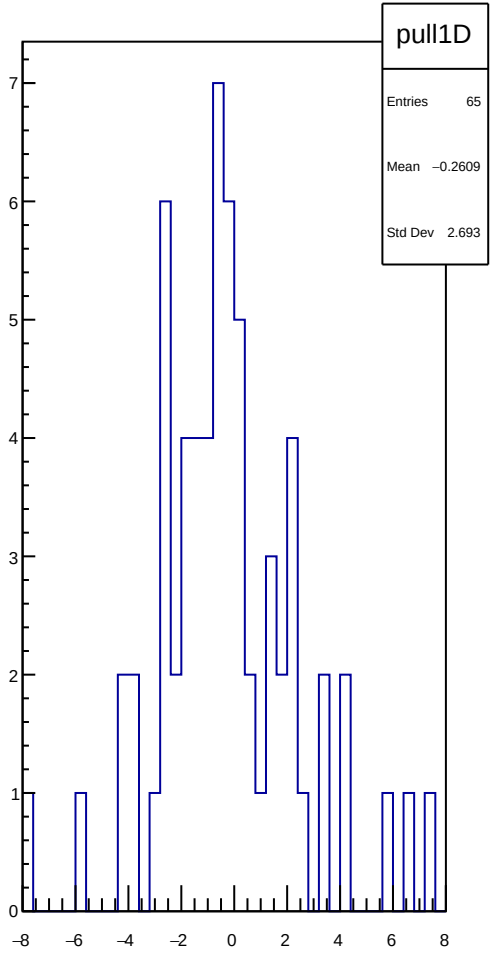

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 4745 / 64
p0 −31.9 ± 0.2954
pull
Entries 65
Mean 20.27
Std Dev 9.201

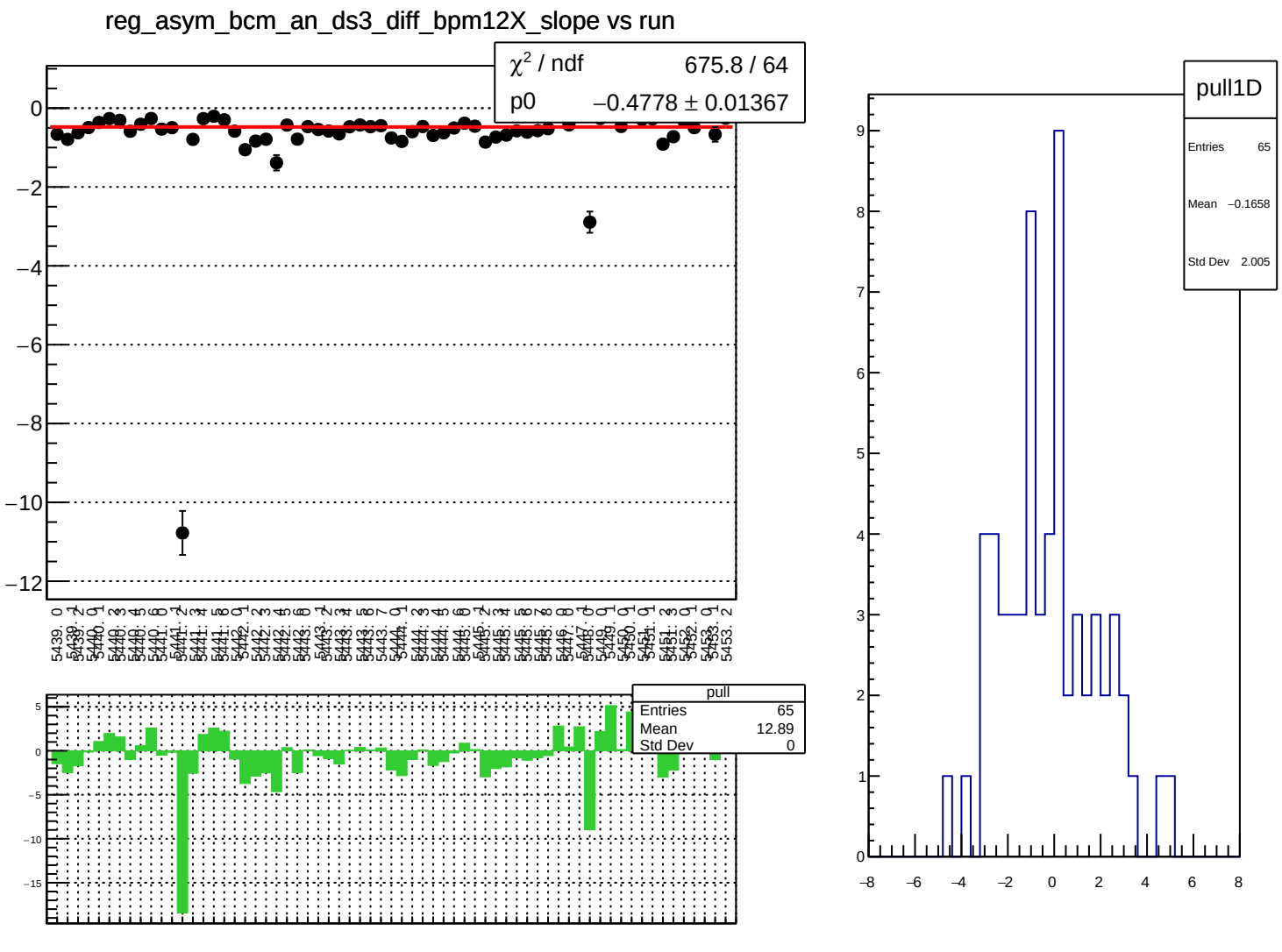

pull1D
Entries 65
Mean −0.3654
Std Dev 2.979

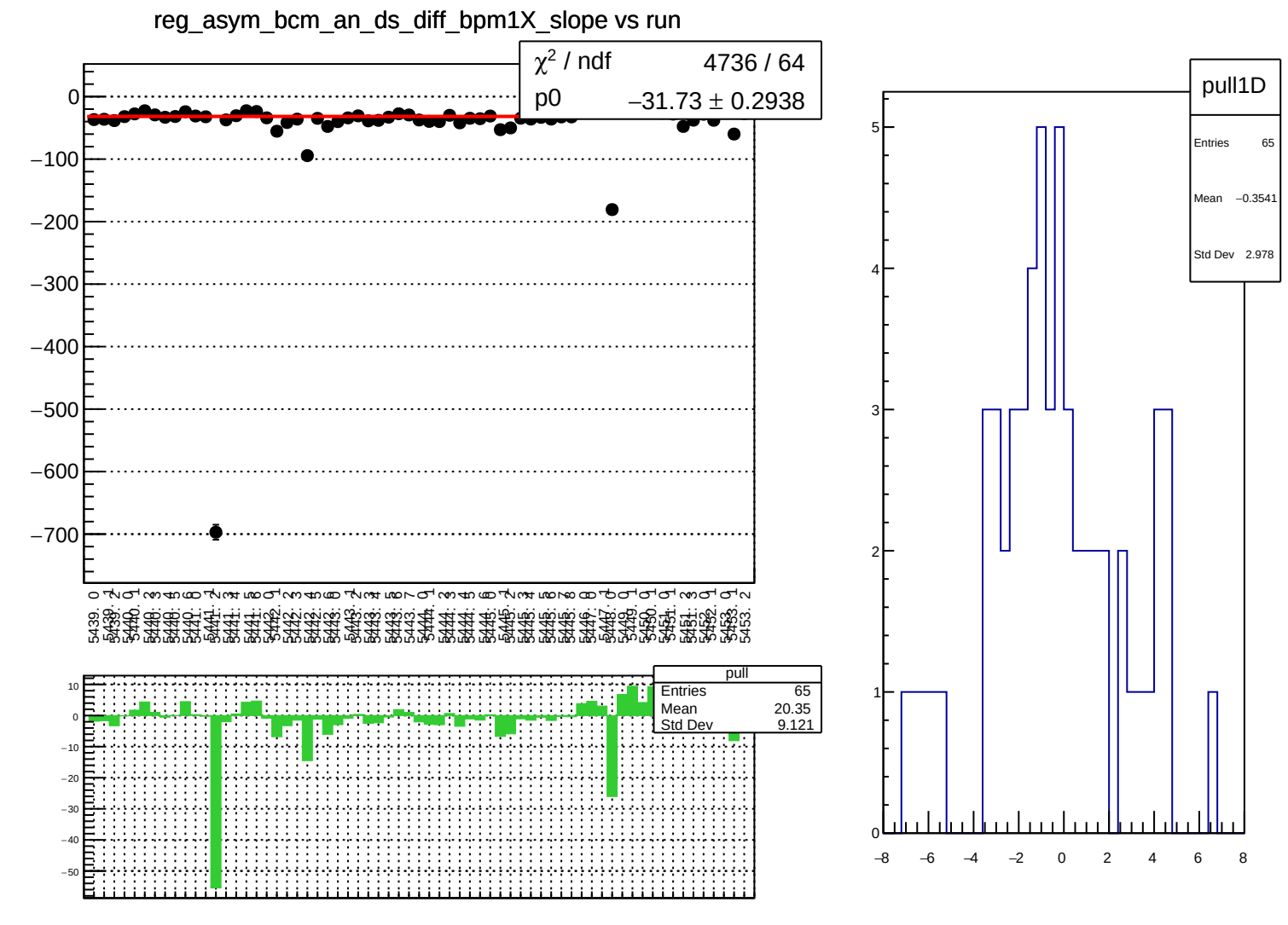

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 444.6 / 64
p0 −3.262 ± 0.2405
pull
Entries 65
Mean −16.25
Std Dev 0
pull1D
Entries 65
Mean 0.2114
Std Dev 2.607

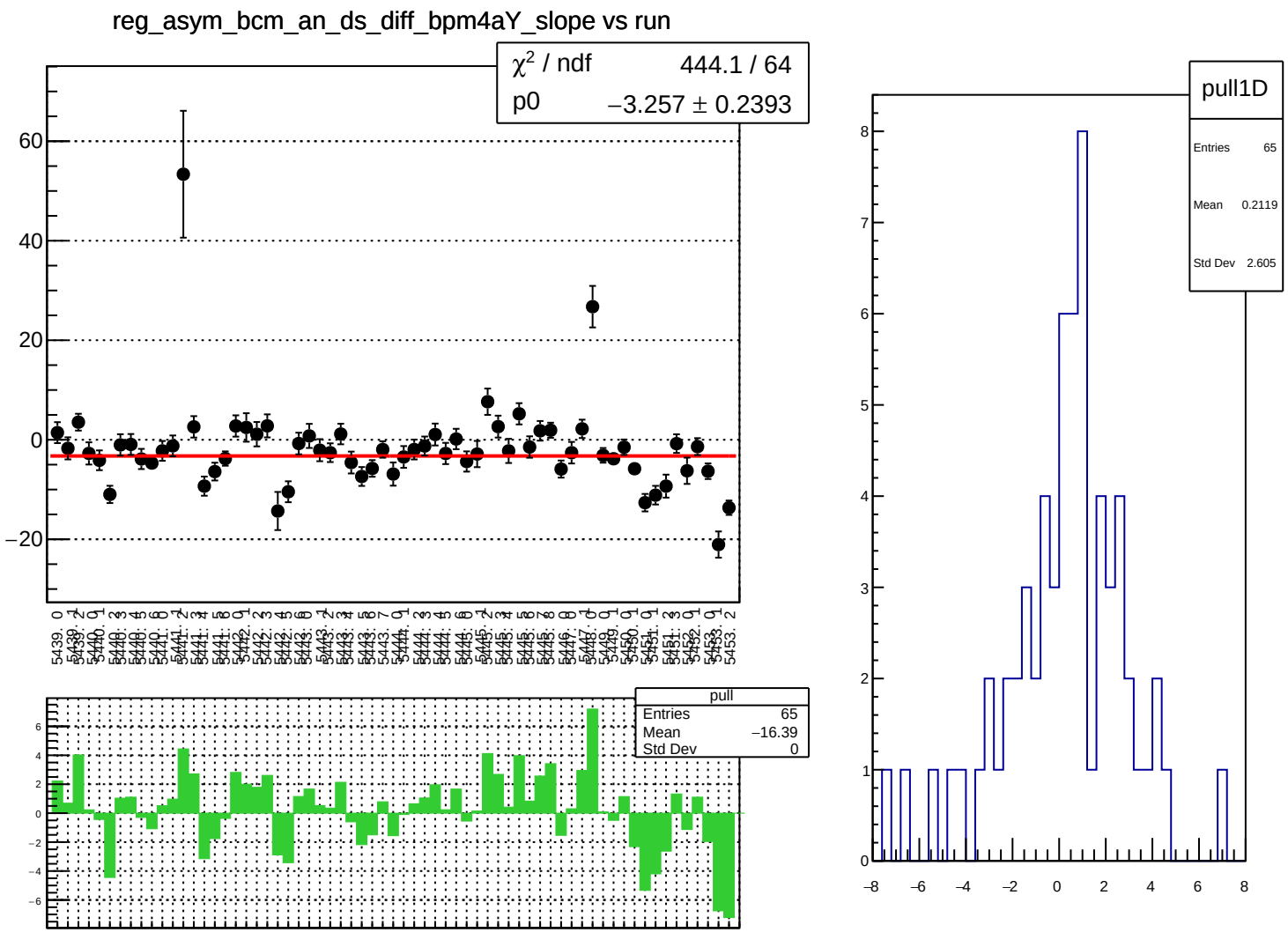

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 4632 / 64
p0 24.8 ± 0.231
pull
Entries 65
Mean 20.24
Std Dev 9.23
pull1D
Entries 65
Mean 0.3575
Std Dev 2.955

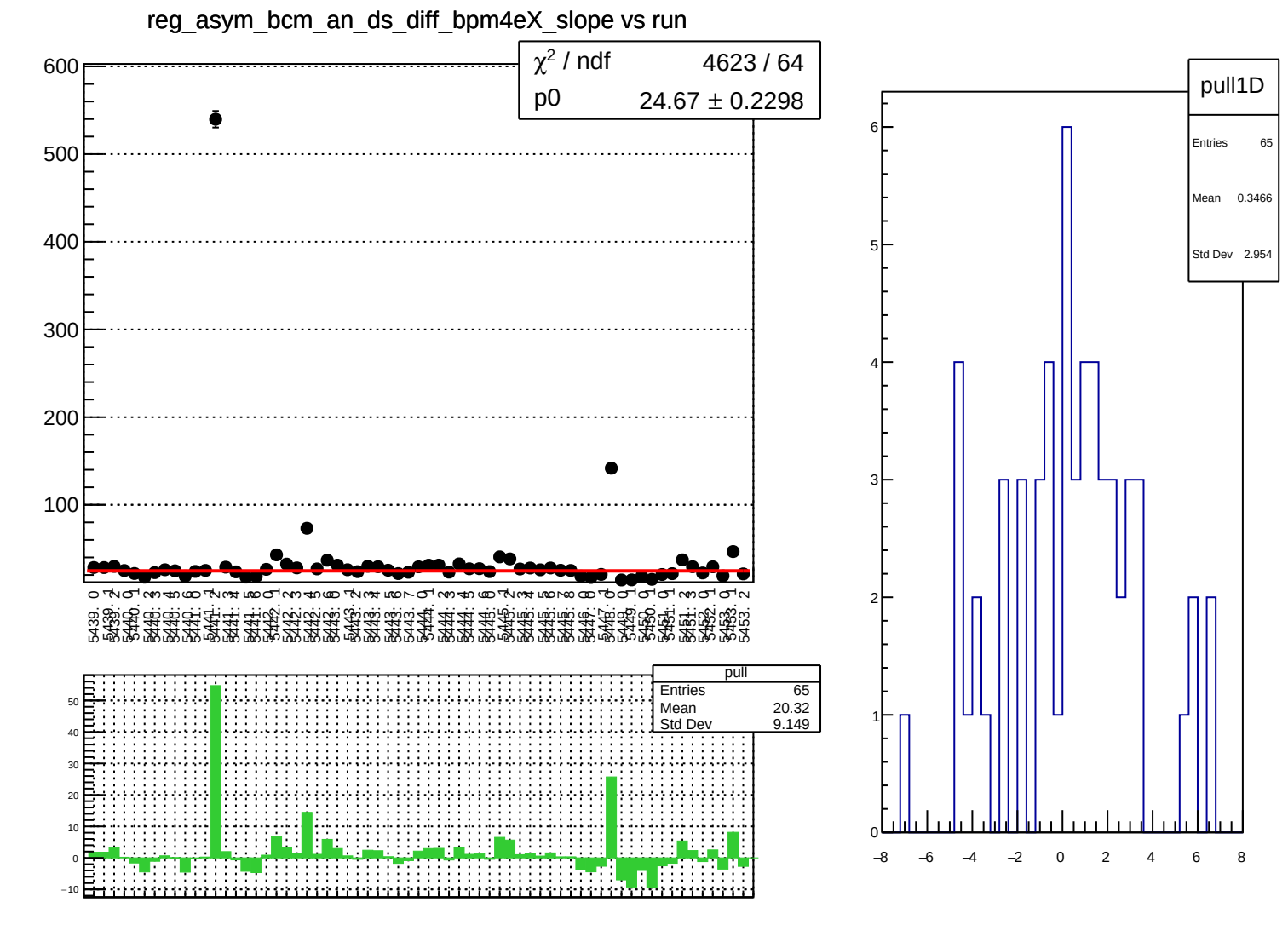

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 475.7 / 64
p0 4.752 ± 0.3056
pull
Entries 65
Mean −10.35
Std Dev 0

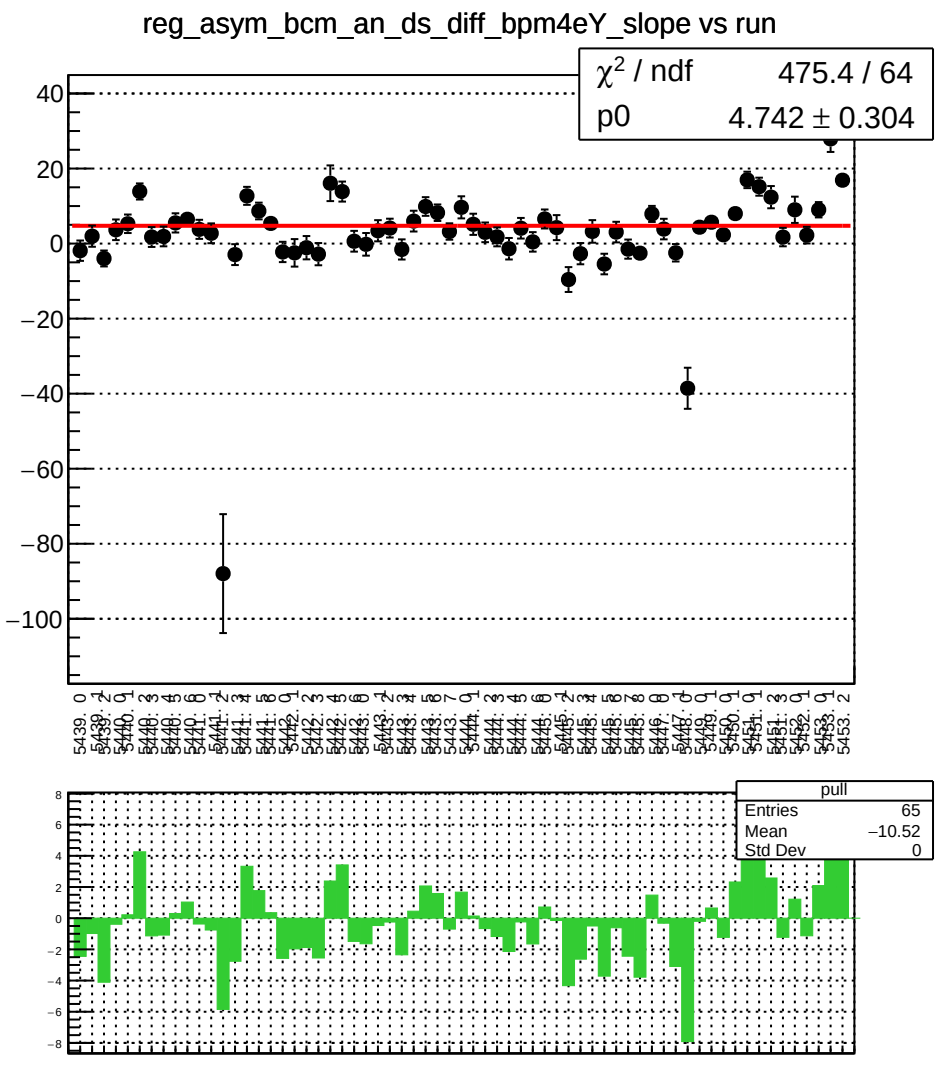

pull1D
Entries 65
Mean −0.2609
Std Dev 2.693

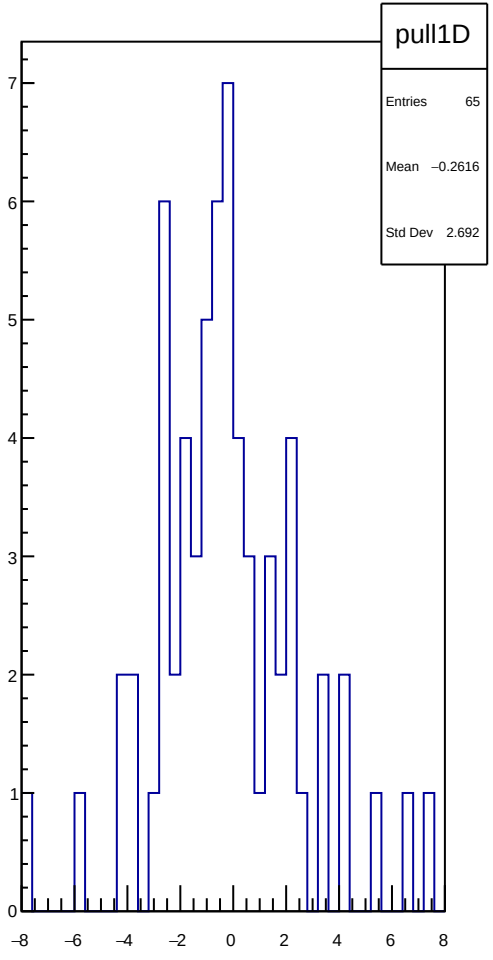

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 675.8 / 64
p0 −0.4778 ± 0.01367
pull
Entries 65
Mean 12.89
Std Dev 0
pull1D
Entries 65
Mean −0.1658
Std Dev 2.005

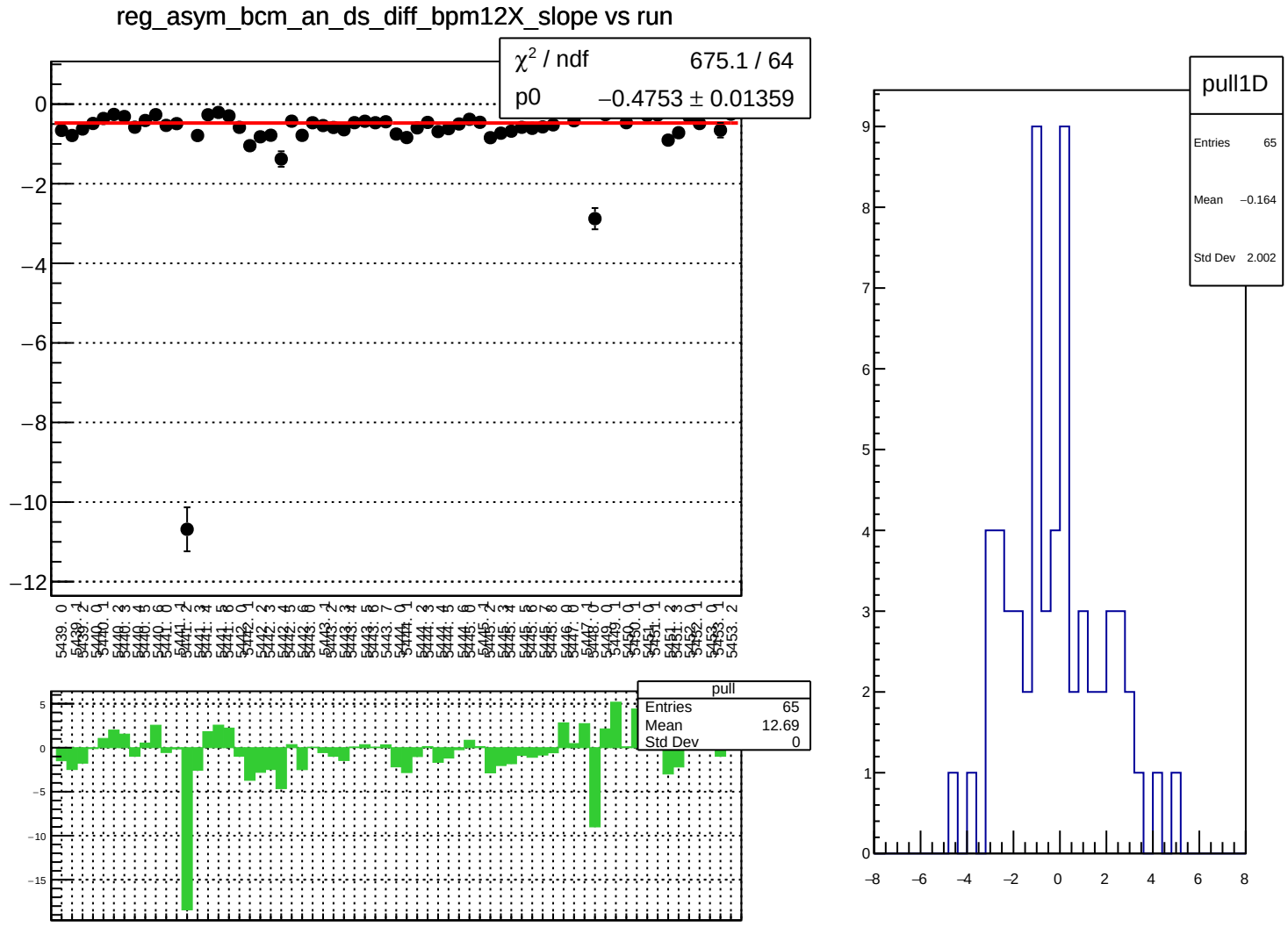

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 4736 / 64
p0 −31.73 ± 0.2938
pull
Entries 65
Mean 20.35
Std Dev 9.121
pull1D
Entries 65
Mean −0.3541
Std Dev 2.978

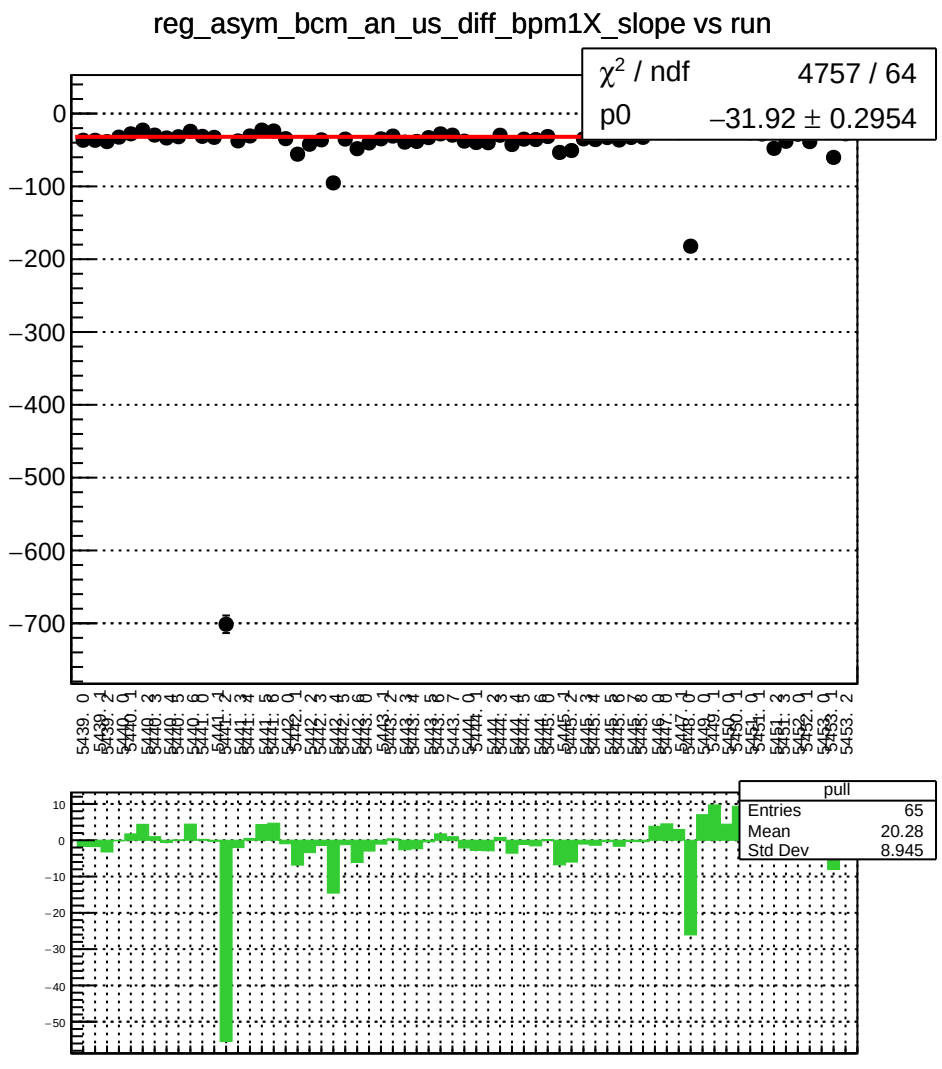

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 444.1 / 64
p0 −3.257 ± 0.2393
pull
Entries 65
Mean −16.39
Std Dev 0
pull1D
Entries 65
Mean 0.2119
Std Dev 2.605

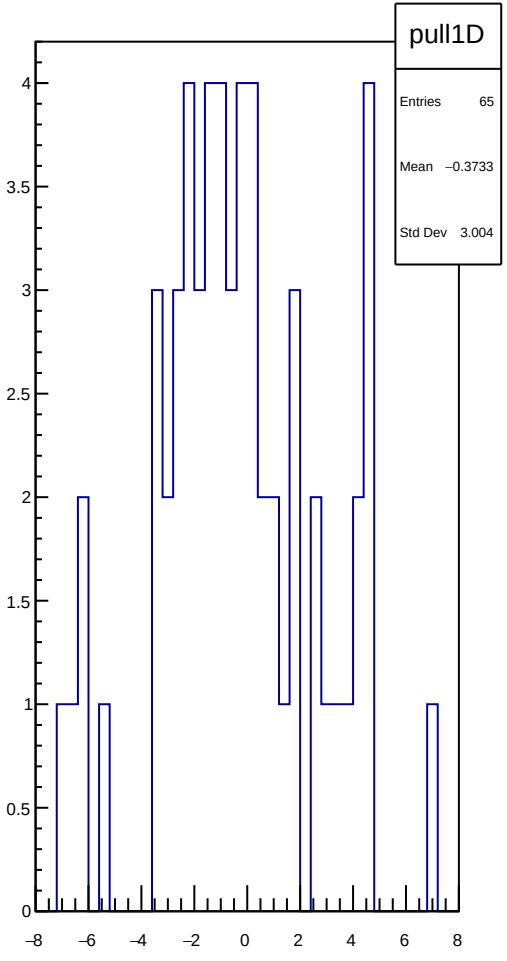

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 4623 / 64
p0 24.67 ± 0.2298
pull
Entries 65
Mean 20.32
Std Dev 9.149
pull1D
Entries 65
Mean 0.3466
Std Dev 2.954

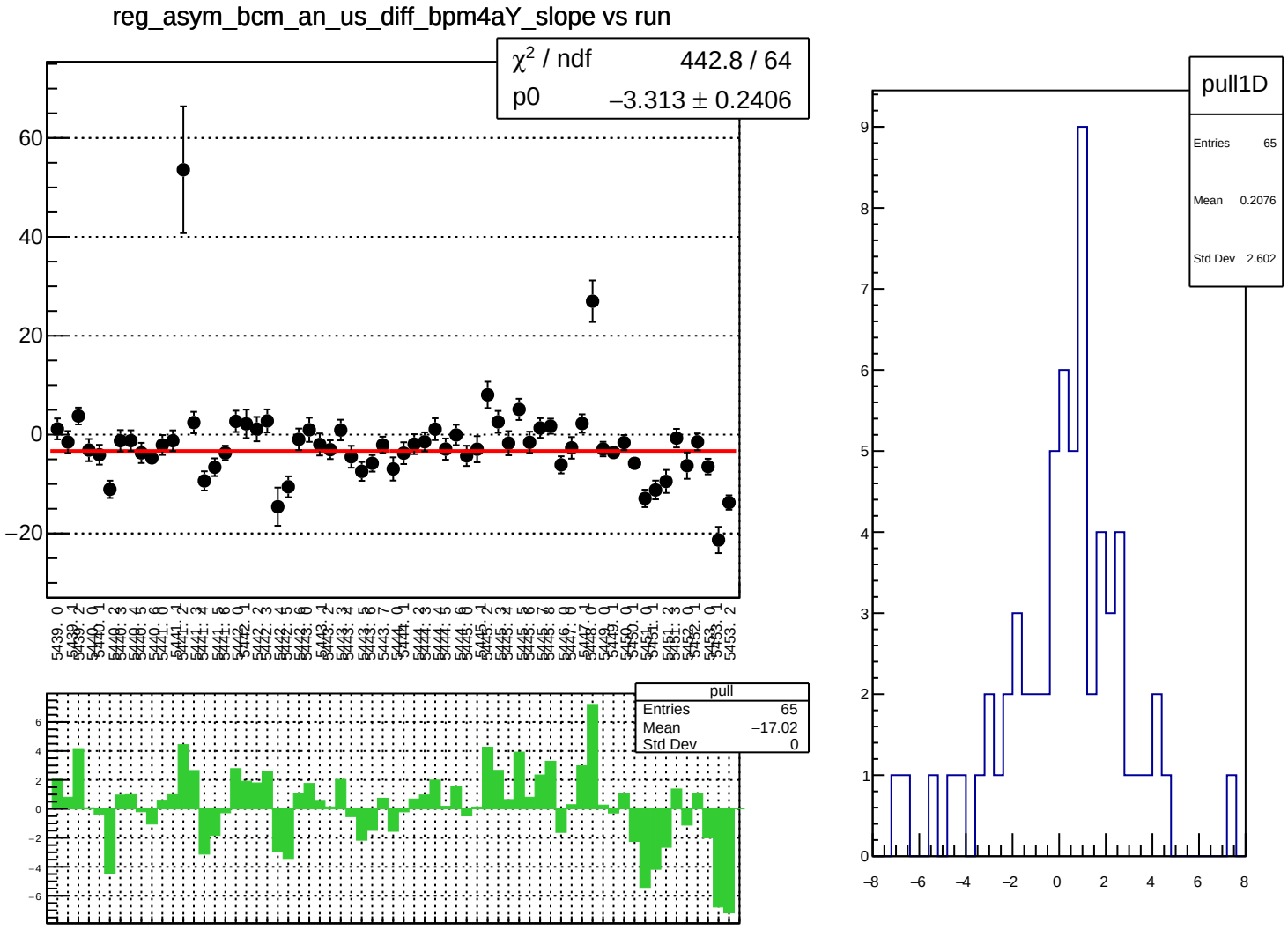

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 475.4 / 64
p0 4.742 ± 0.304
pull
Entries 65
Mean −10.52
Std Dev 0

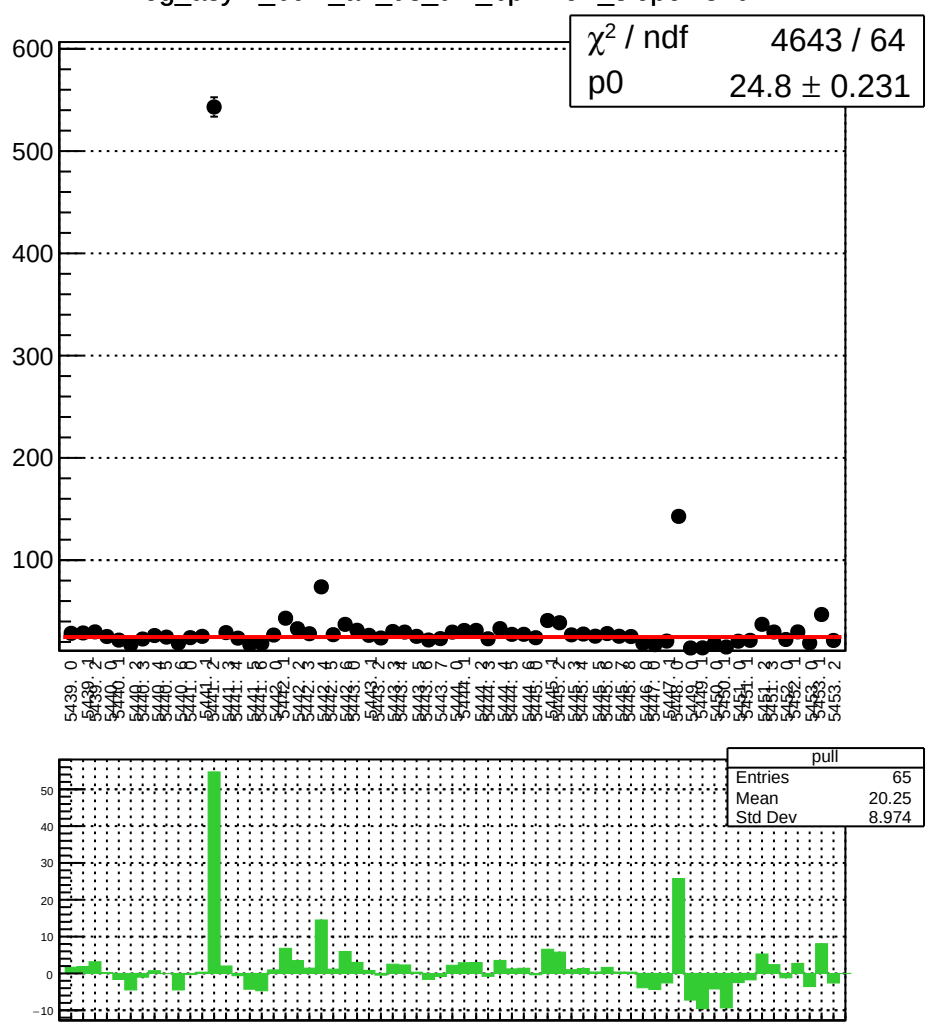

pull1D
Entries 65
Mean −0.2616
Std Dev 2.692

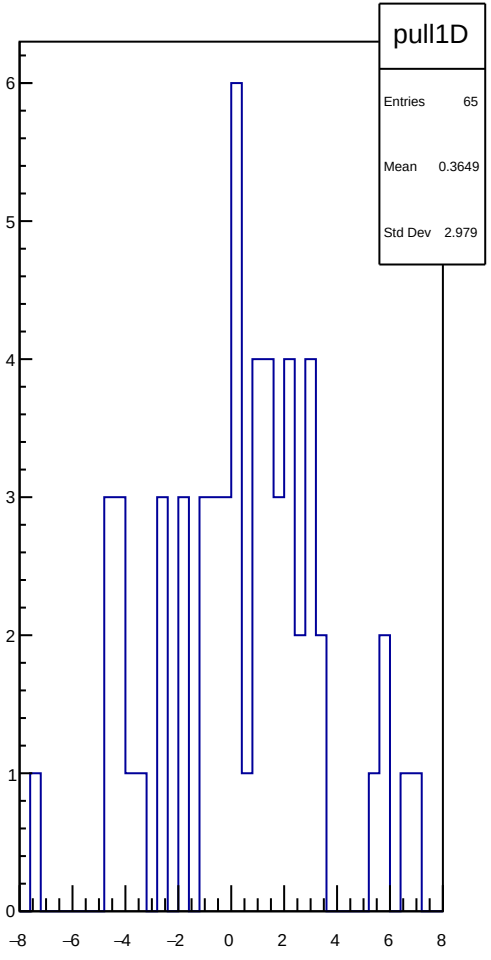

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 675.1 / 64
p0 −0.4753 ± 0.01359
pull
Entries 65
Mean 12.69
Std Dev 0
pull1D
Entries 65
Mean −0.164
Std Dev 2.002

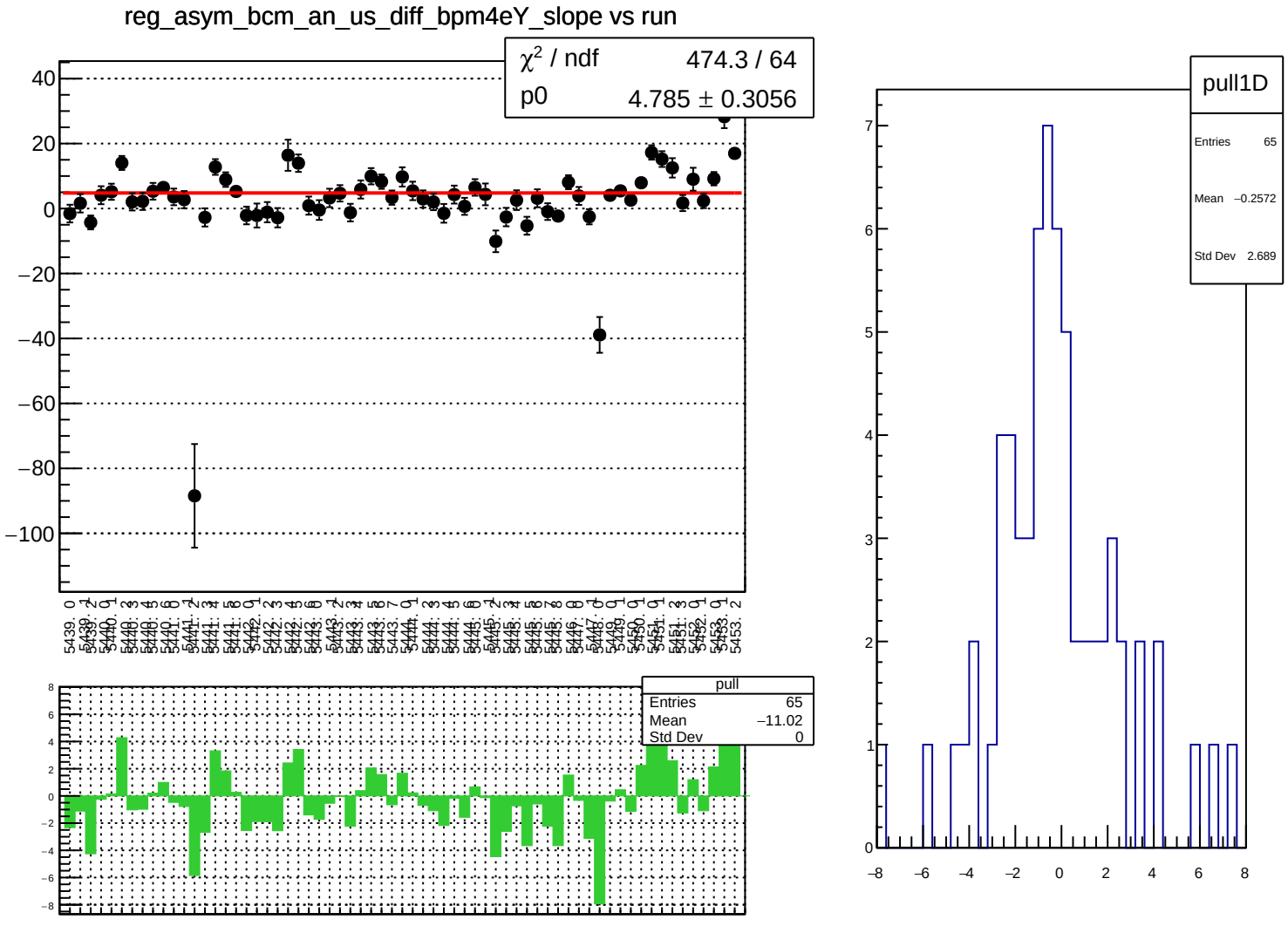

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 4757 / 64
p0 −31.92 ± 0.2954
pull
Entries 65
Mean 20.28
Std Dev 8.945

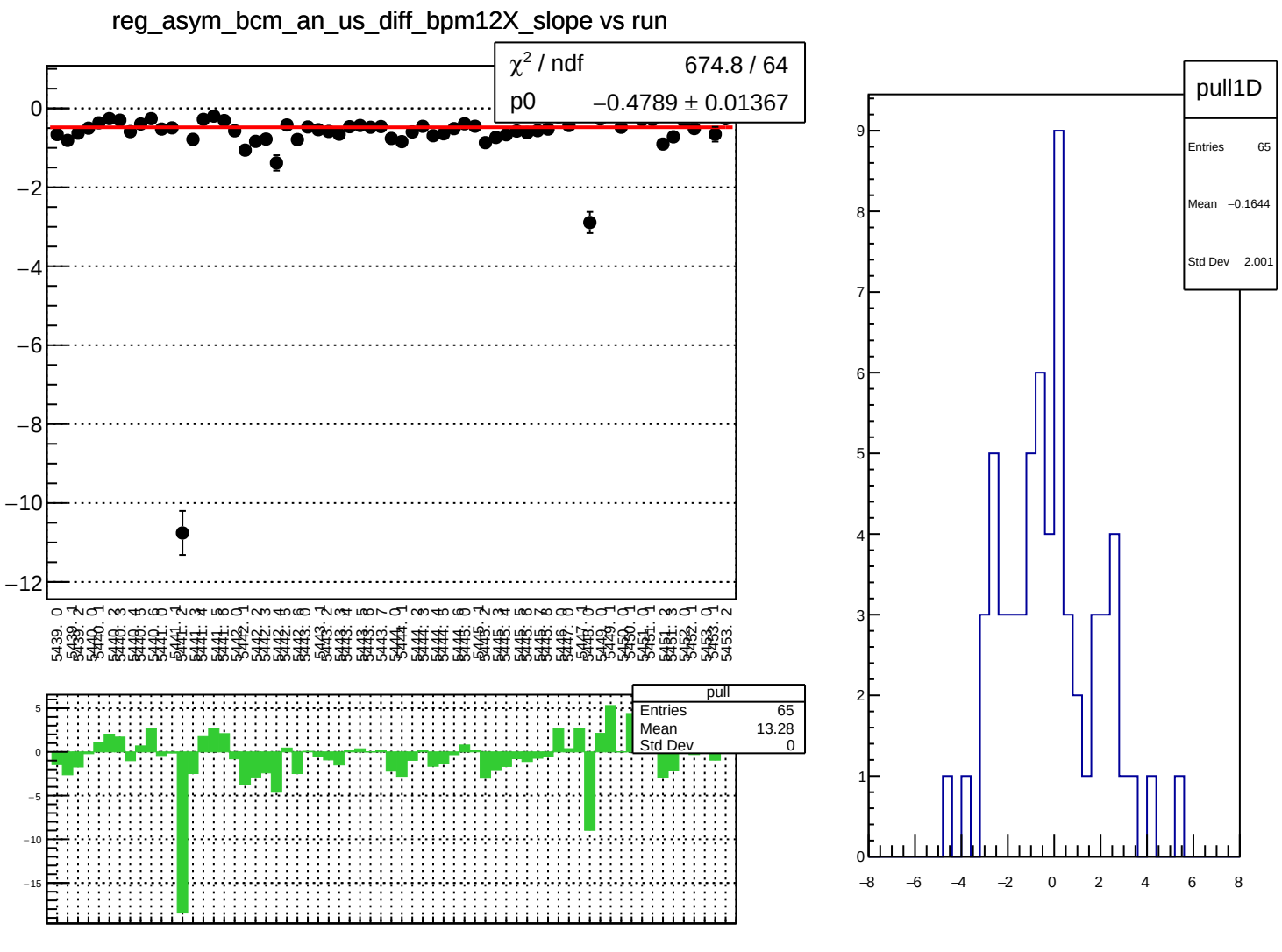

pull1D
Entries 65
Mean −0.3733
Std Dev 3.004

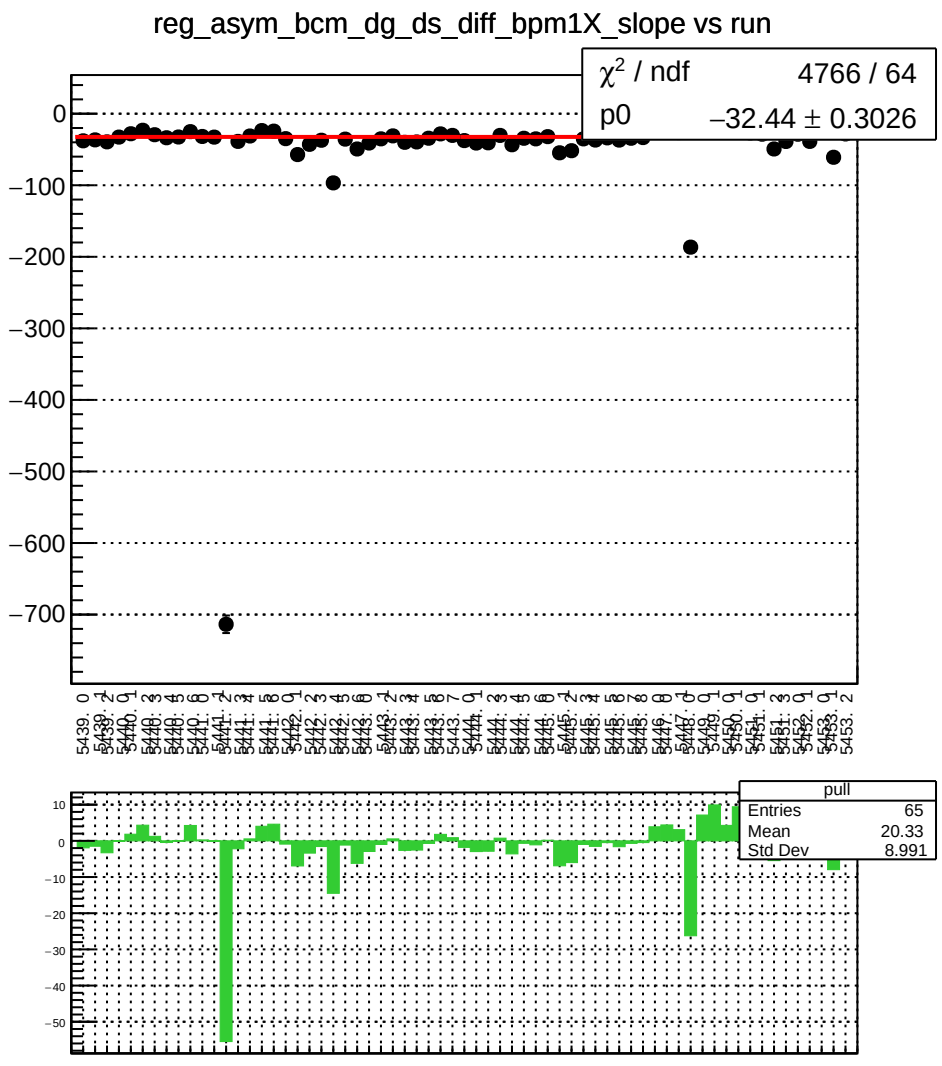

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 442.8 / 64
p0 −3.313 ± 0.2406
pull
Entries 65
Mean −17.02
Std Dev 0
pull1D
Entries 65
Mean 0.2076
Std Dev 2.602

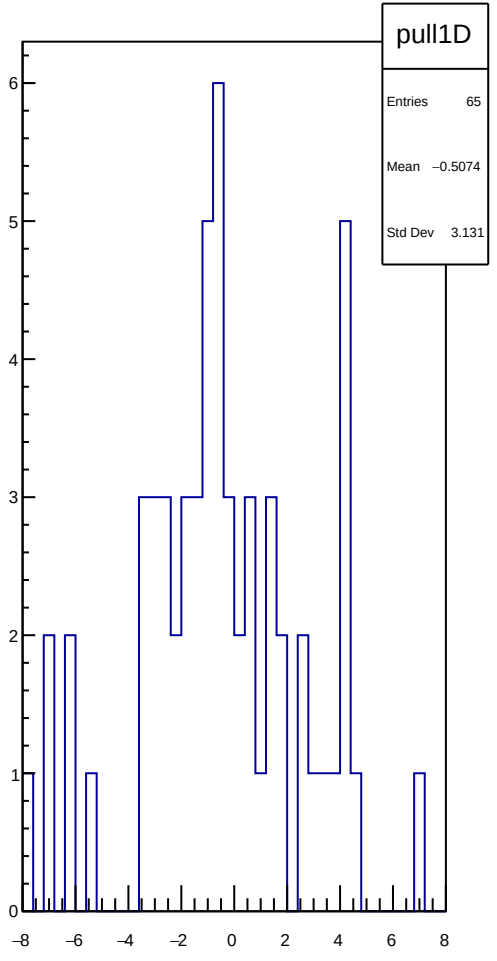

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 4643 / 64
p0 24.8 ± 0.231
pull
Entries 65
Mean 20.25
Std Dev 8.974

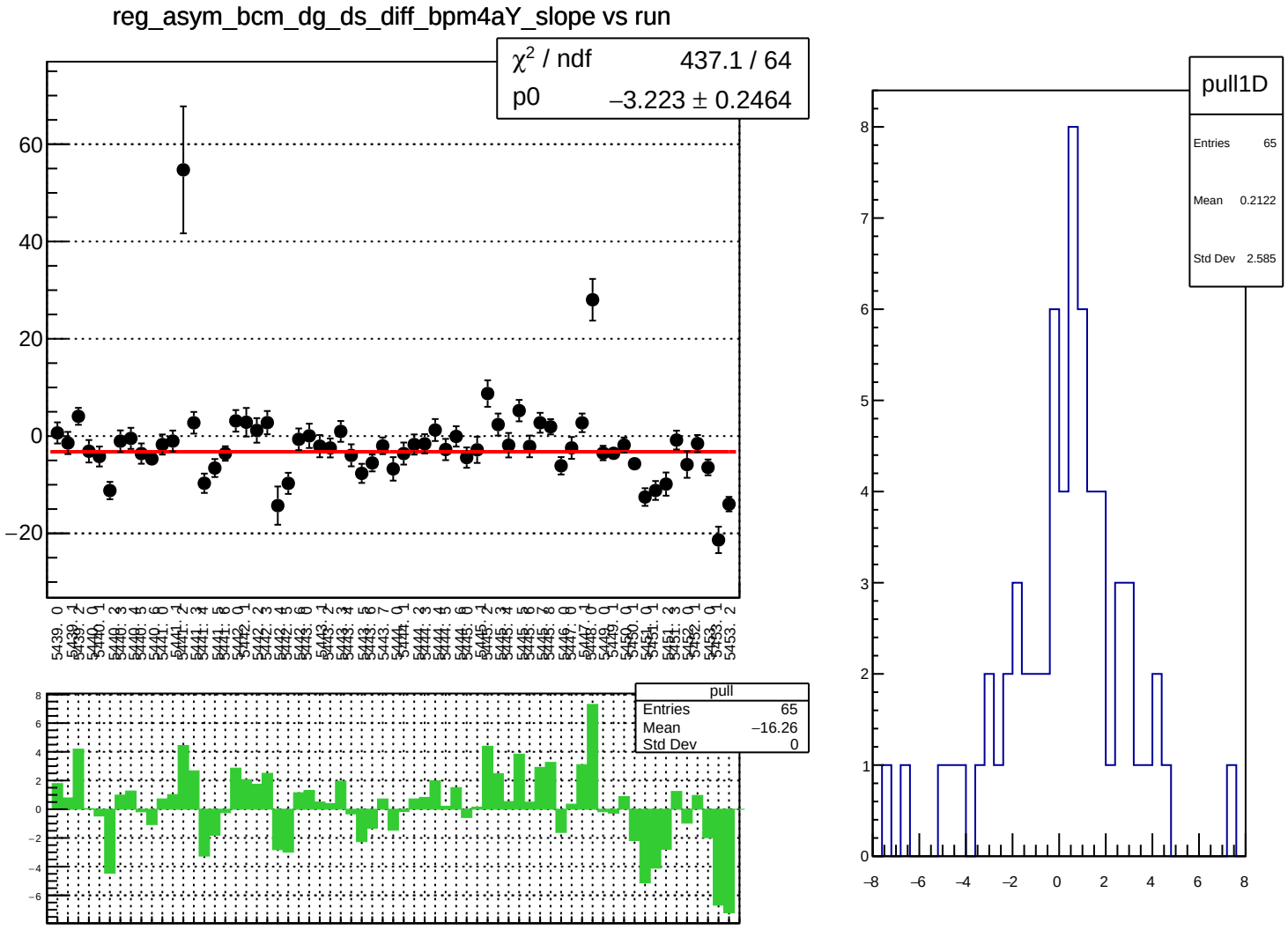

pull1D
Entries 65
Mean 0.3649
Std Dev 2.979

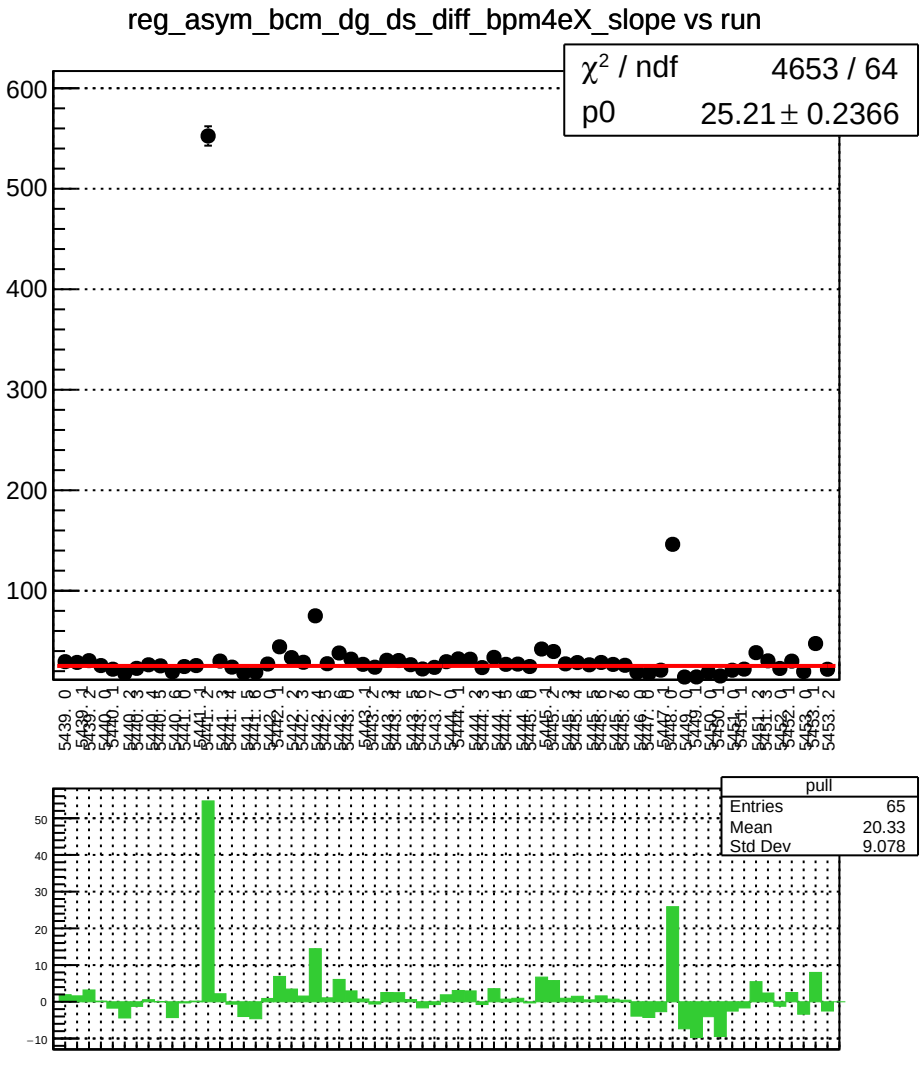

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 474.3 / 64
p0 4.785 ± 0.3056
pull
Entries 65
Mean −11.02
Std Dev 0
pull1D
Entries 65
Mean −0.2572
Std Dev 2.689

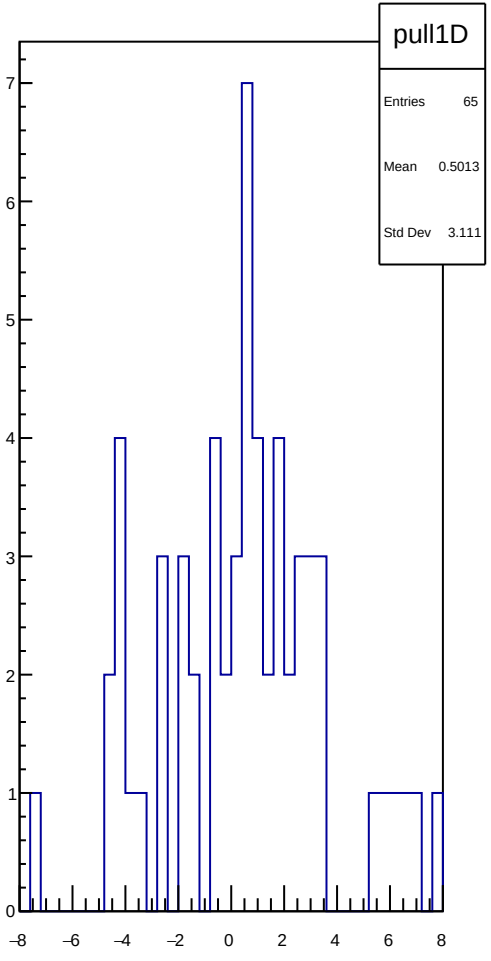

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 674.8 / 64
p0 −0.4789 ± 0.01367
pull
Entries 65
Mean 13.28
Std Dev 0
pull1D
Entries 65
Mean −0.1644
Std Dev 2.001

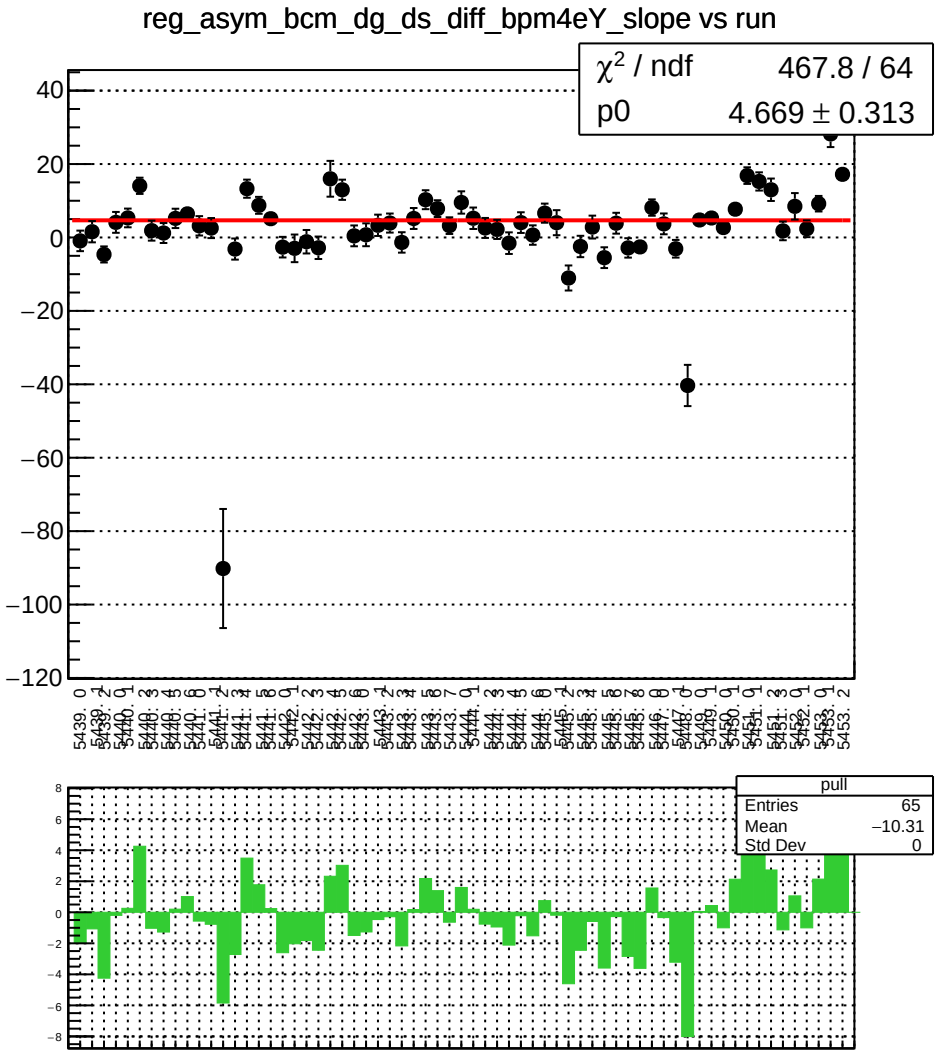

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 4766 / 64
p0 −32.44 ± 0.3026
pull
Entries 65
Mean 20.33
Std Dev 8.991

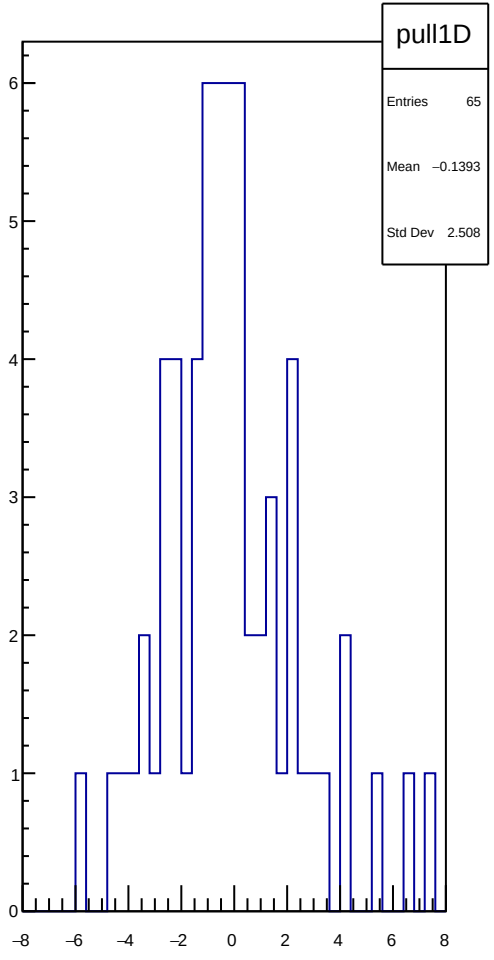

pull1D
Entries 65
Mean −0.5074
Std Dev 3.131

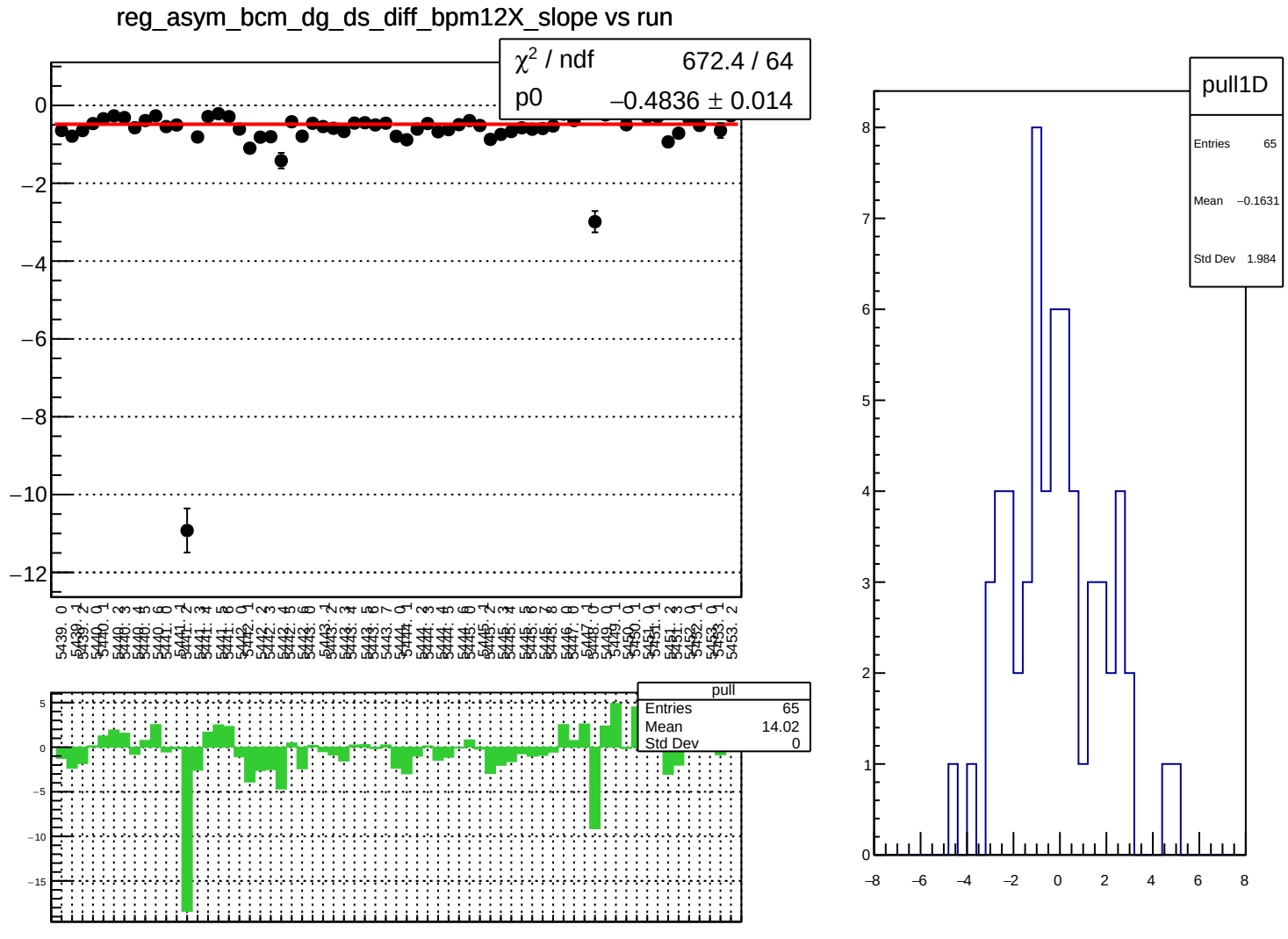

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 437.1 / 64
p0 −3.223 ± 0.2464
pull
Entries 65
Mean −16.26
Std Dev 0
pull1D
Entries 65
Mean 0.2122
Std Dev 2.585

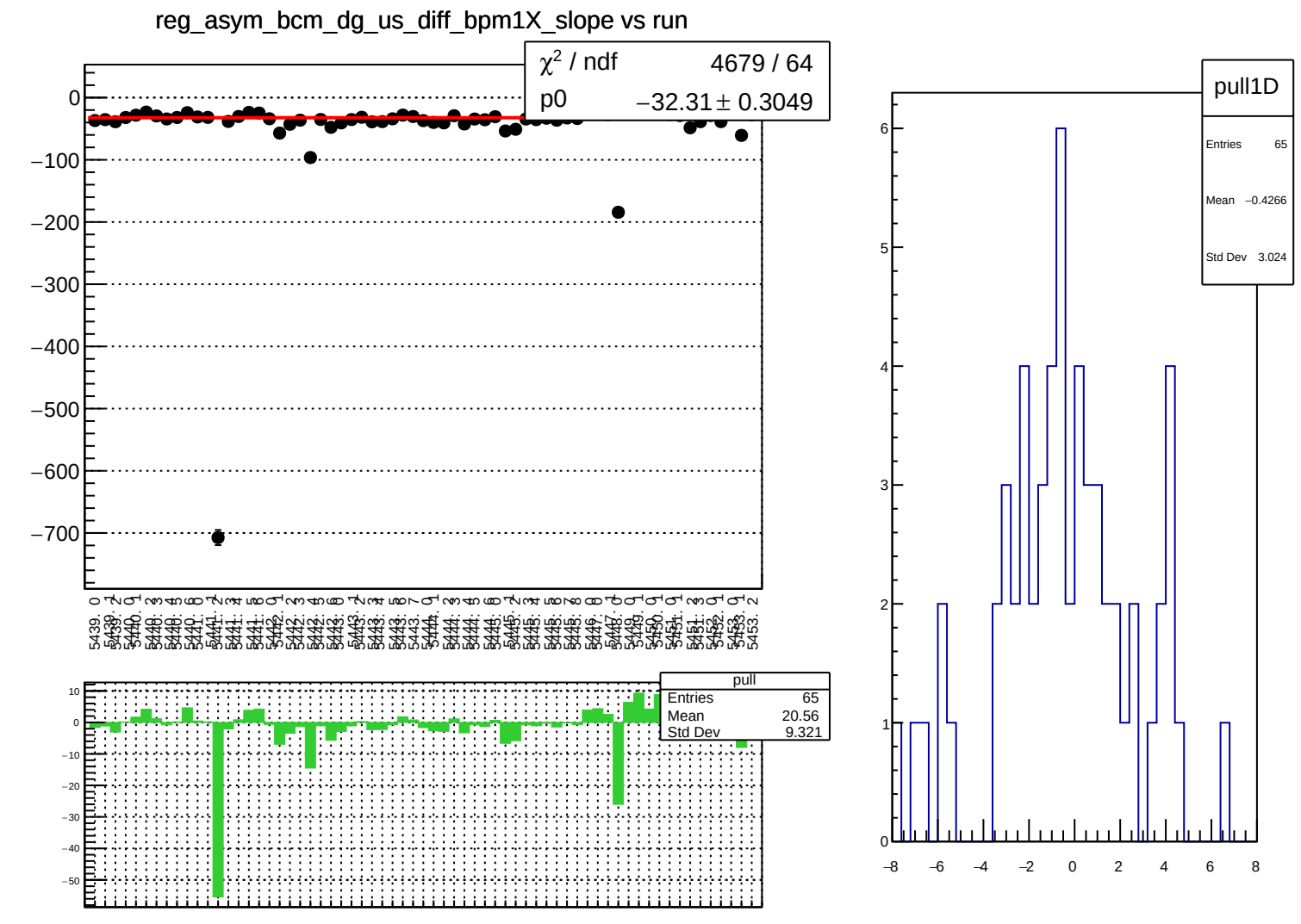

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 4653 / 64
p0 25.21 ± 0.2366
pull
Entries 65
Mean 20.33
Std Dev 9.078

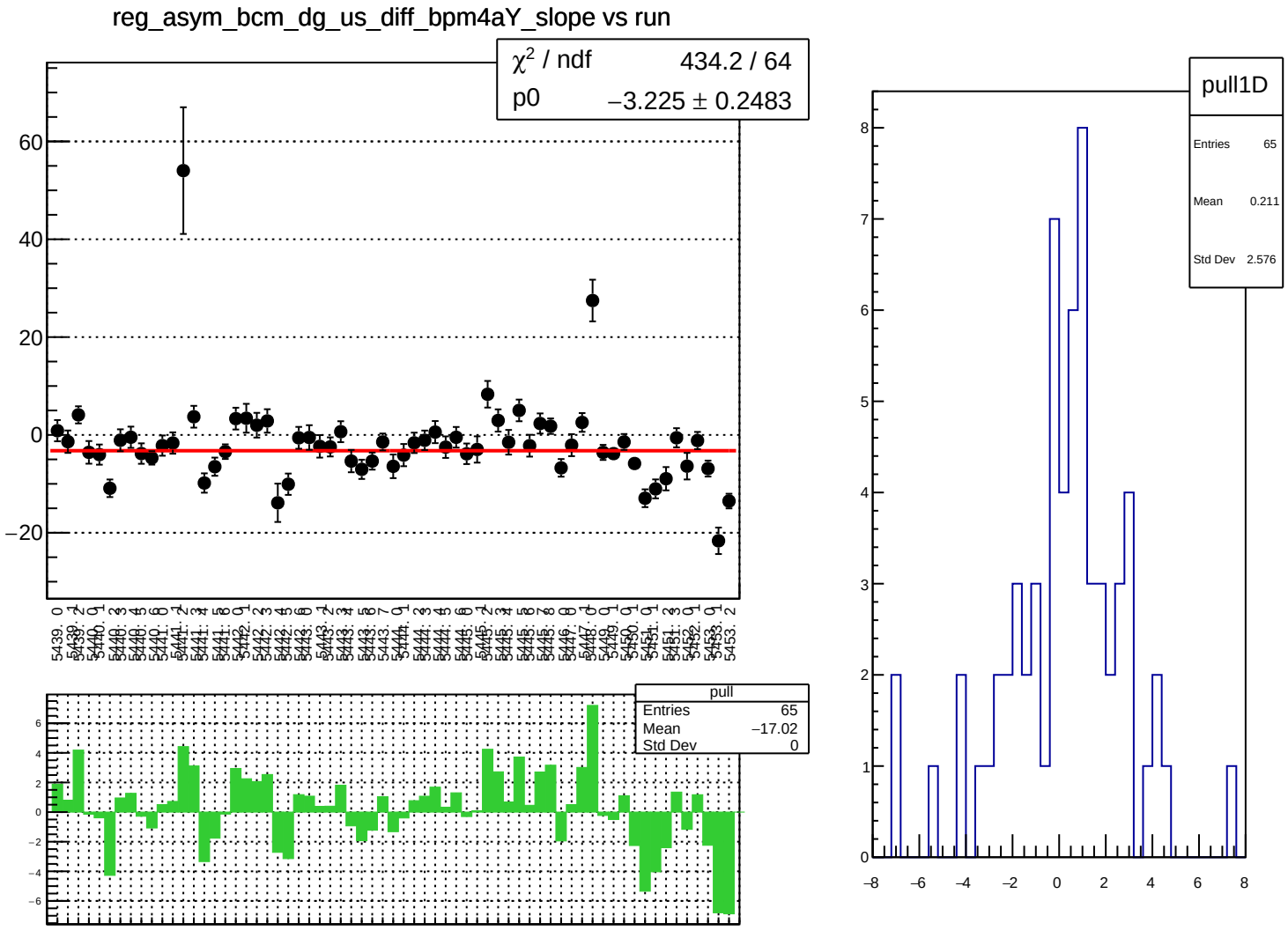

pull1D
Entries 65
Mean 0.5013
Std Dev 3.111

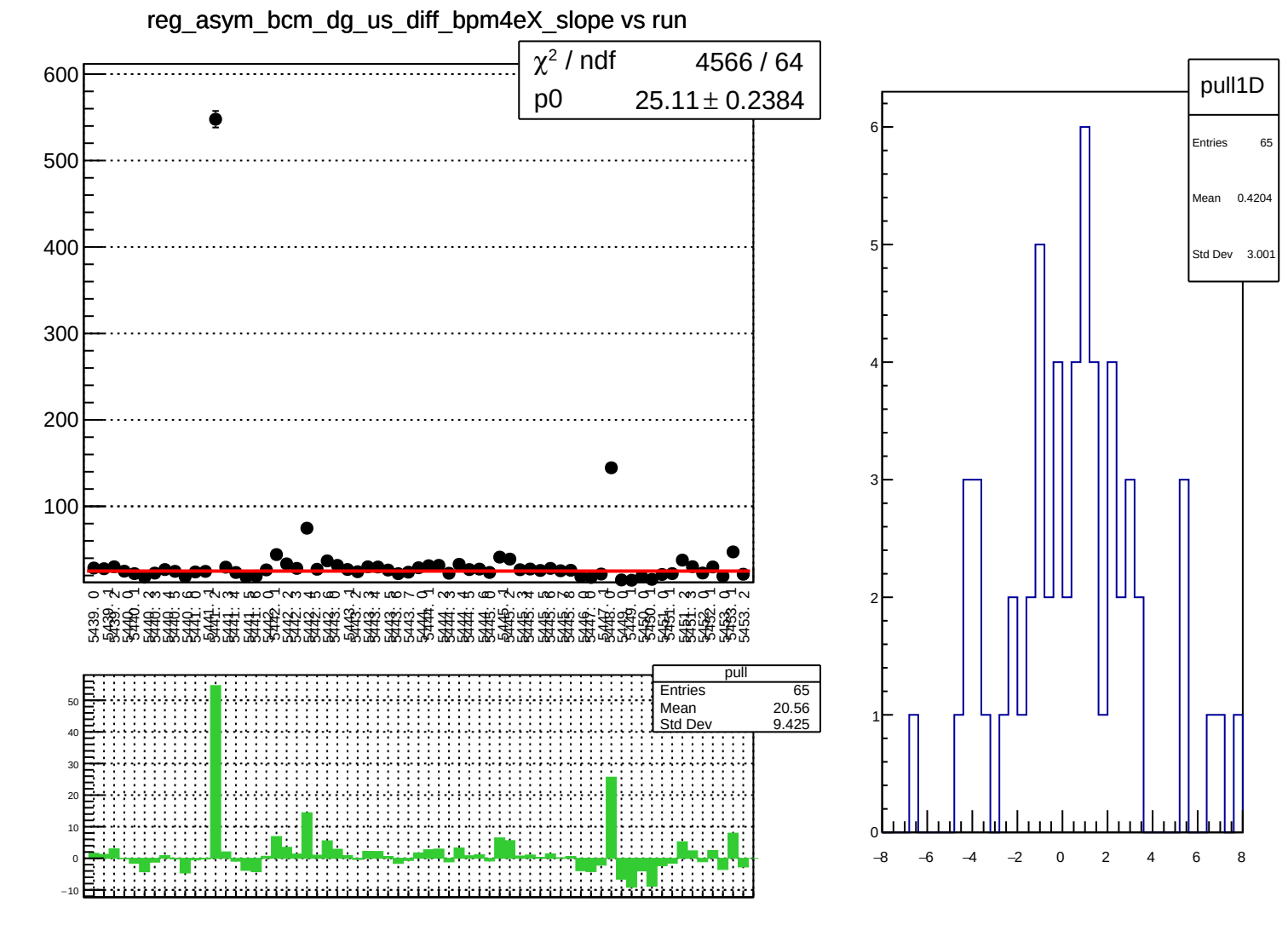

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 467.8 / 64
p0 4.669 ± 0.313
pull
Entries 65
Mean −10.31
Std Dev 0

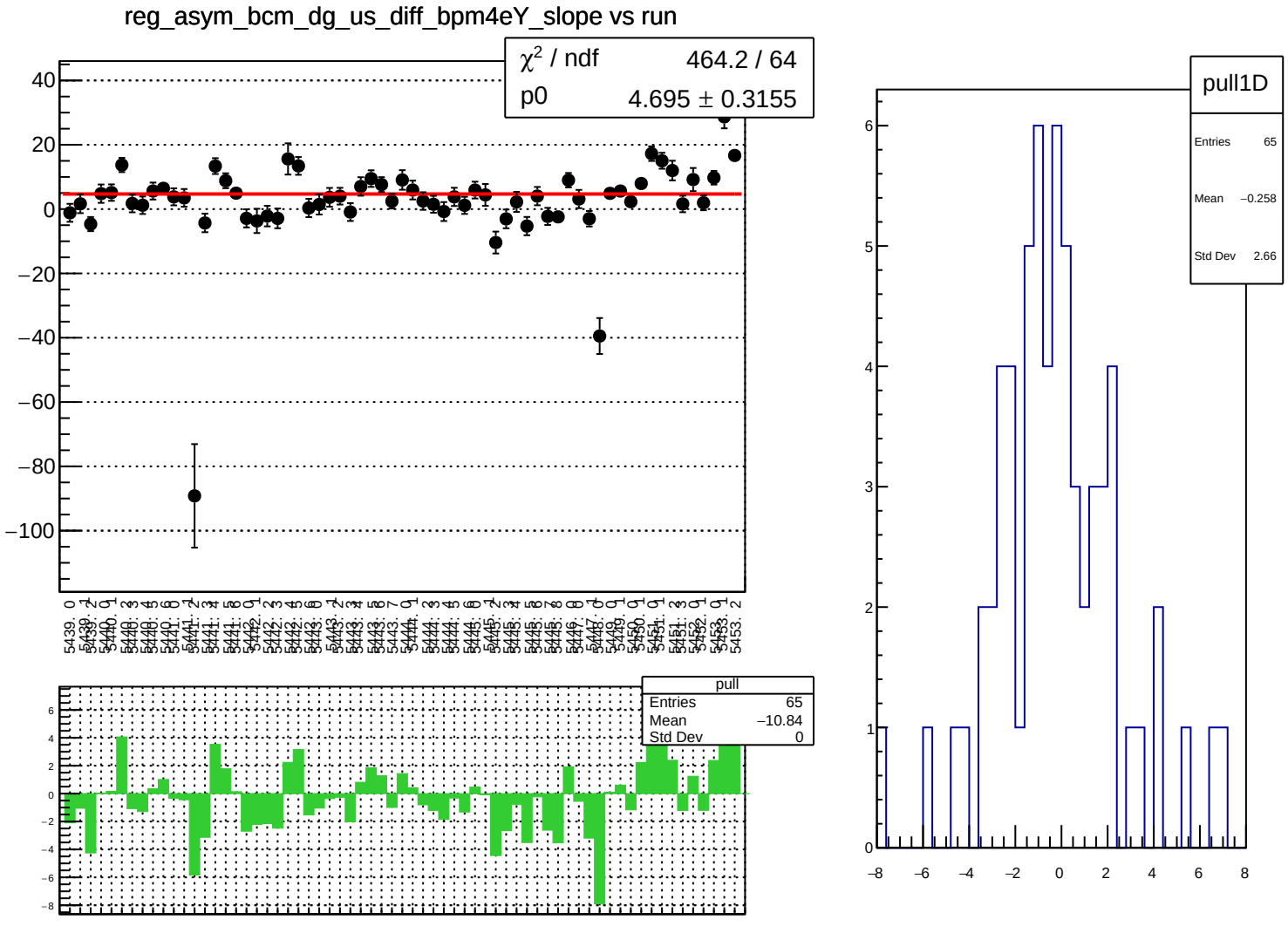

pull1D
Entries 65
Mean −0.1393
Std Dev 2.508

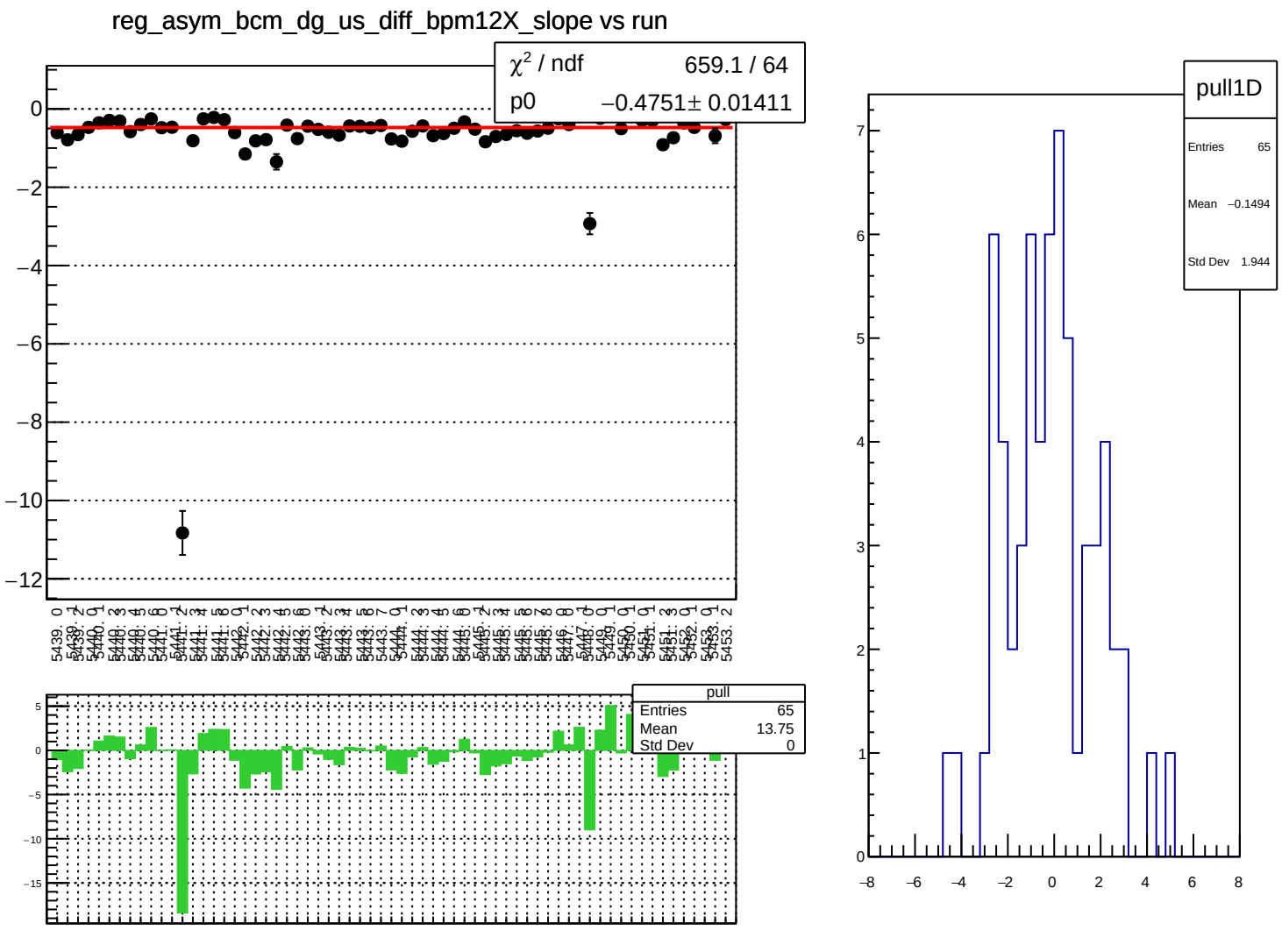

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 672.4 / 64
p0 −0.4836 ± 0.014
pull
Entries 65
Mean 14.02
Std Dev 0
pull1D
Entries 65
Mean −0.1631
Std Dev 1.984

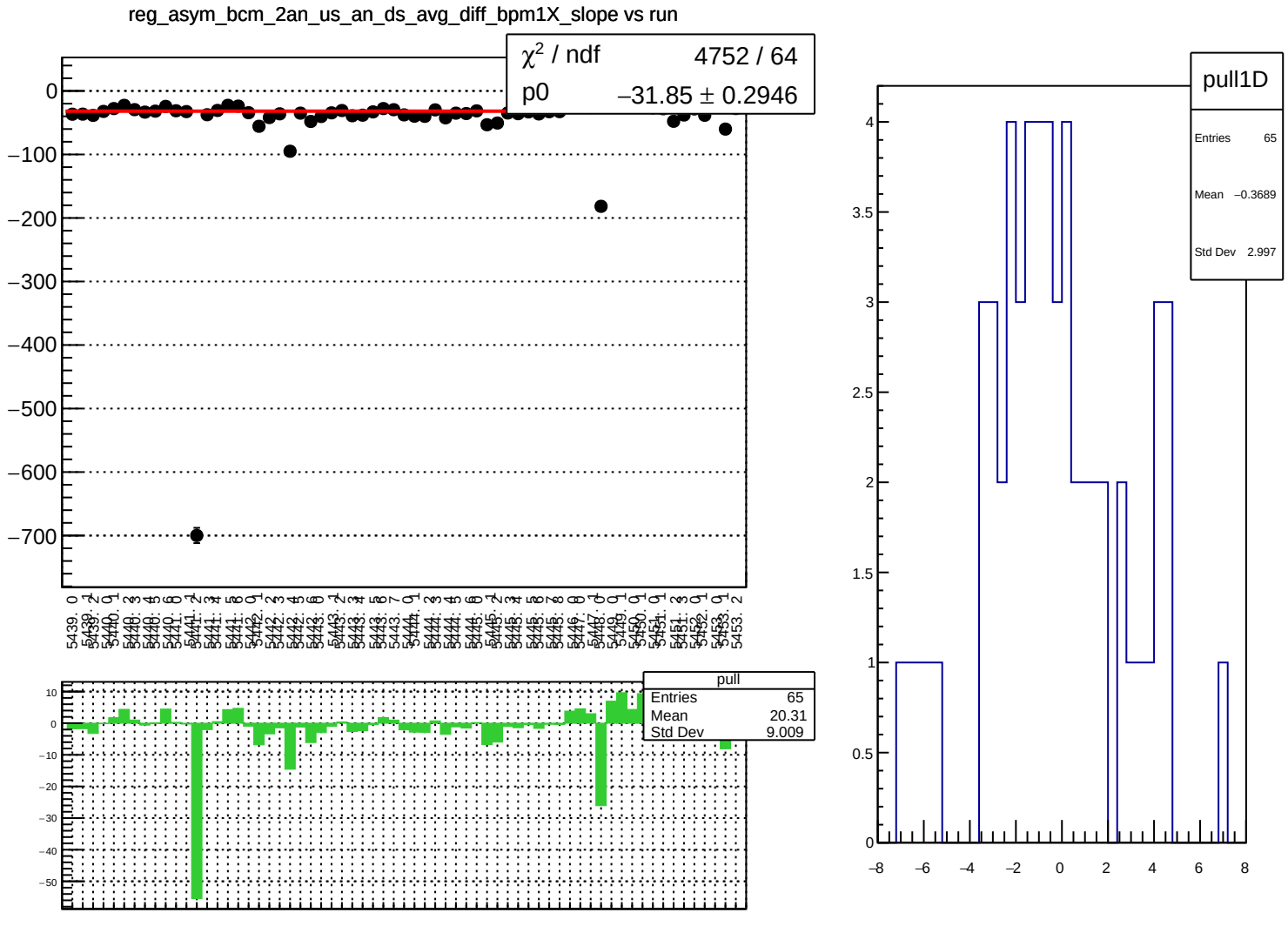

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 4679 / 64
p0 −32.31 ± 0.3049
pull
Entries 65
Mean 20.56
Std Dev 9.321
pull1D
Entries 65
Mean −0.4266
Std Dev 3.024

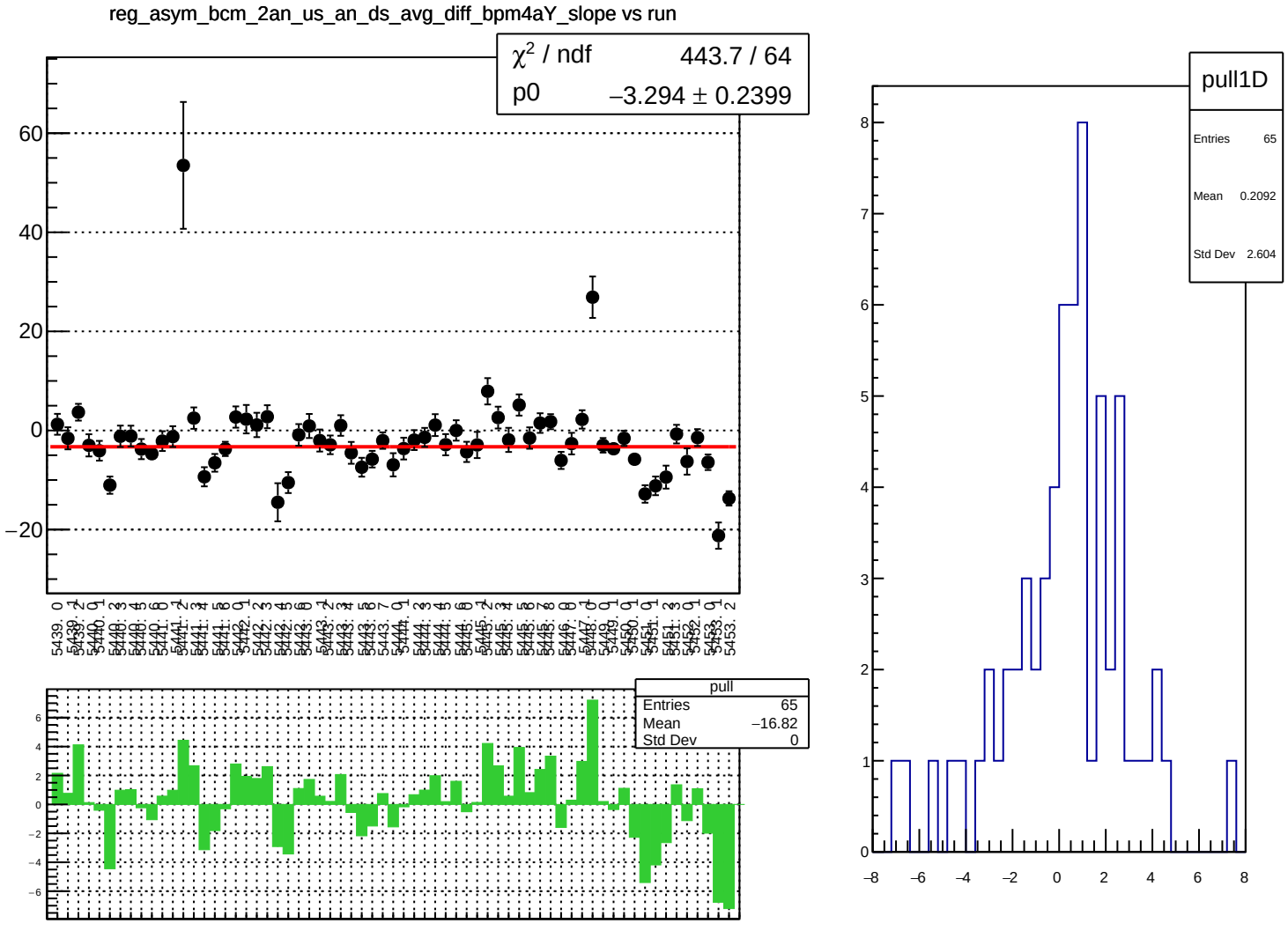

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 434.2 / 64
p0 −3.225 ± 0.2483
pull
Entries 65
Mean −17.02
Std Dev 0
pull1D
Entries 65
Mean 0.211
Std Dev 2.576

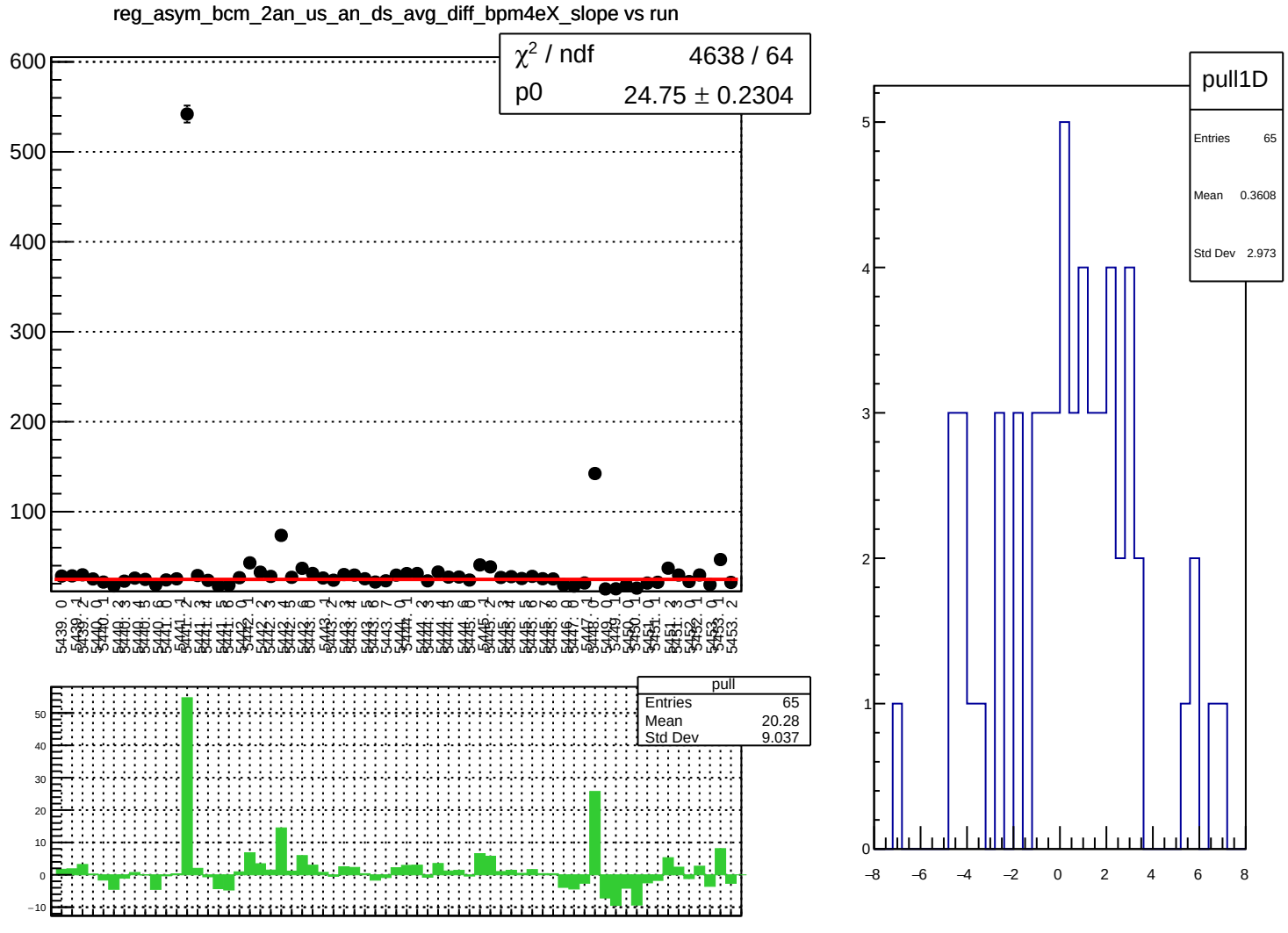

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 4566 / 64
p0 25.11 ± 0.2384
pull
Entries 65
Mean 20.56
Std Dev 9.425
pull1D
Entries 65
Mean 0.4204
Std Dev 3.001

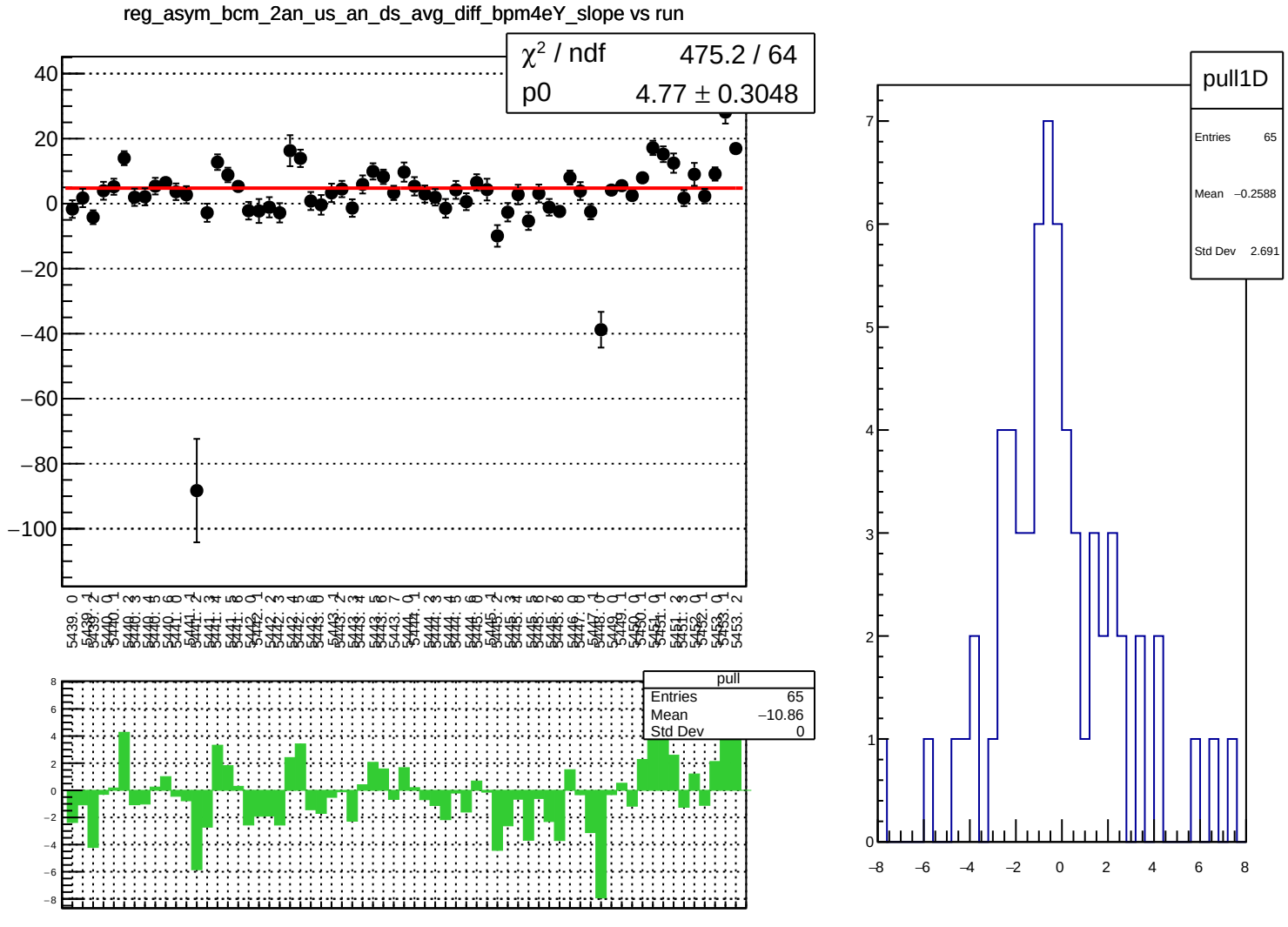

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 464.2 / 64
p0 4.695 ± 0.3155
pull
Entries 65
Mean −10.84
Std Dev 0
pull1D
Entries 65
Mean −0.258
Std Dev 2.66

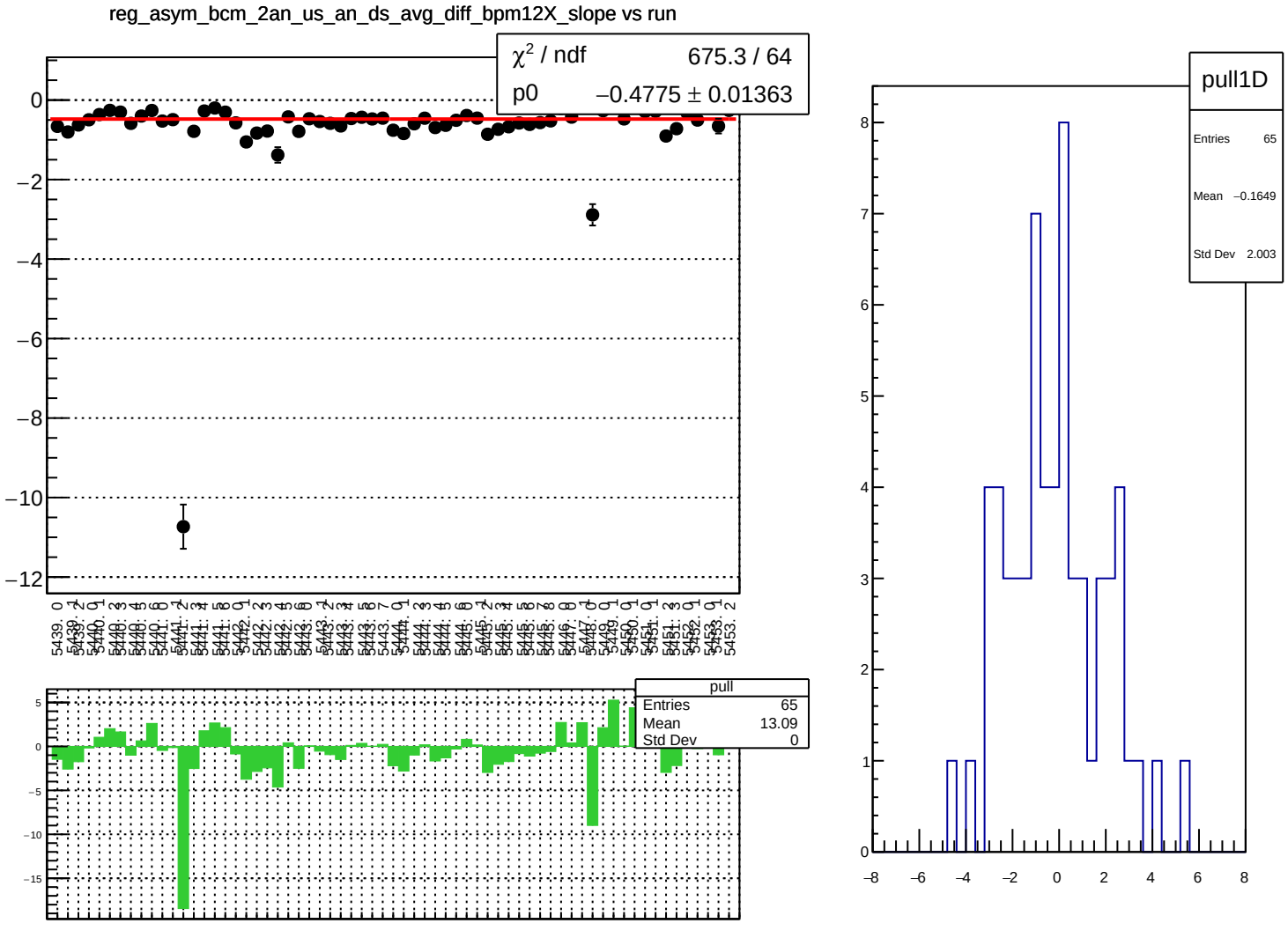

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 659.1 / 64
p0 −0.4751± 0.01411
pull
Entries 65
Mean 13.75
Std Dev 0
pull1D
Entries 65
Mean −0.1494
Std Dev 1.944

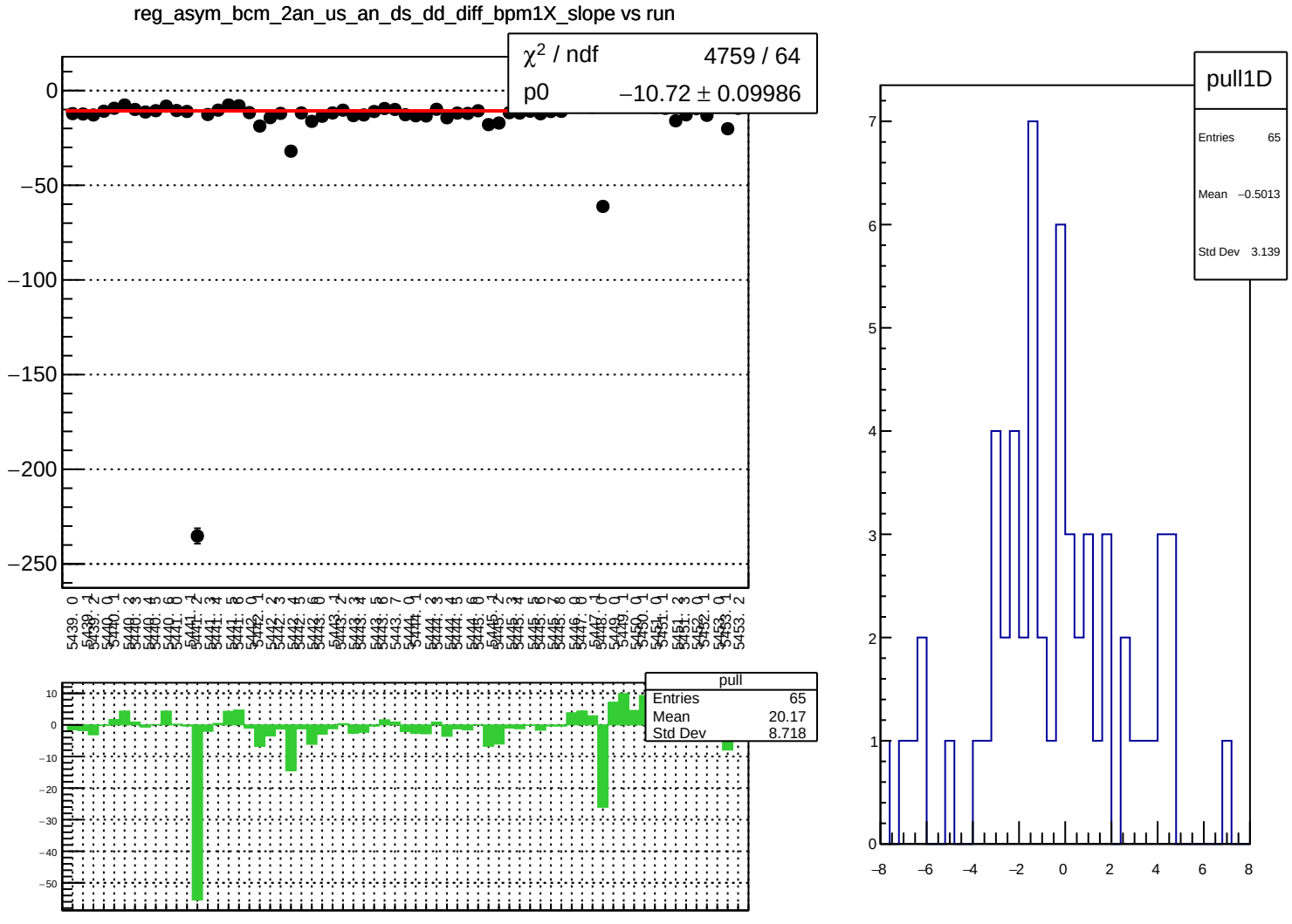

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 4752 / 64
p0 −31.85 ± 0.2946
pull
Entries 65
Mean 20.31
Std Dev 9.009
pull1D
Entries 65
Mean −0.3689
Std Dev 2.997

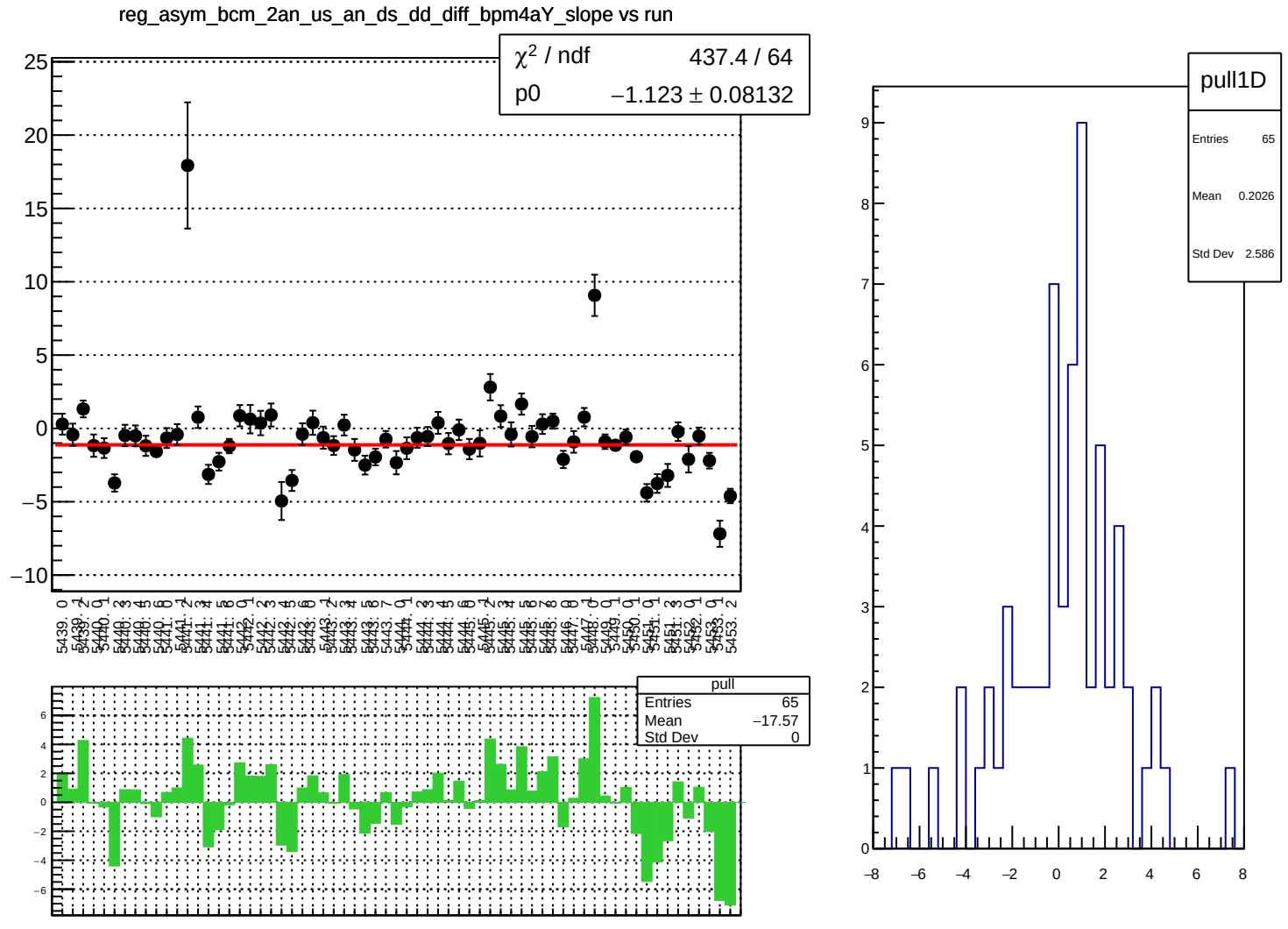

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 443.7 / 64
p0 −3.294 ± 0.2399
pull
Entries 65
Mean −16.82
Std Dev 0
pull1D
Entries 65
Mean 0.2092
Std Dev 2.604

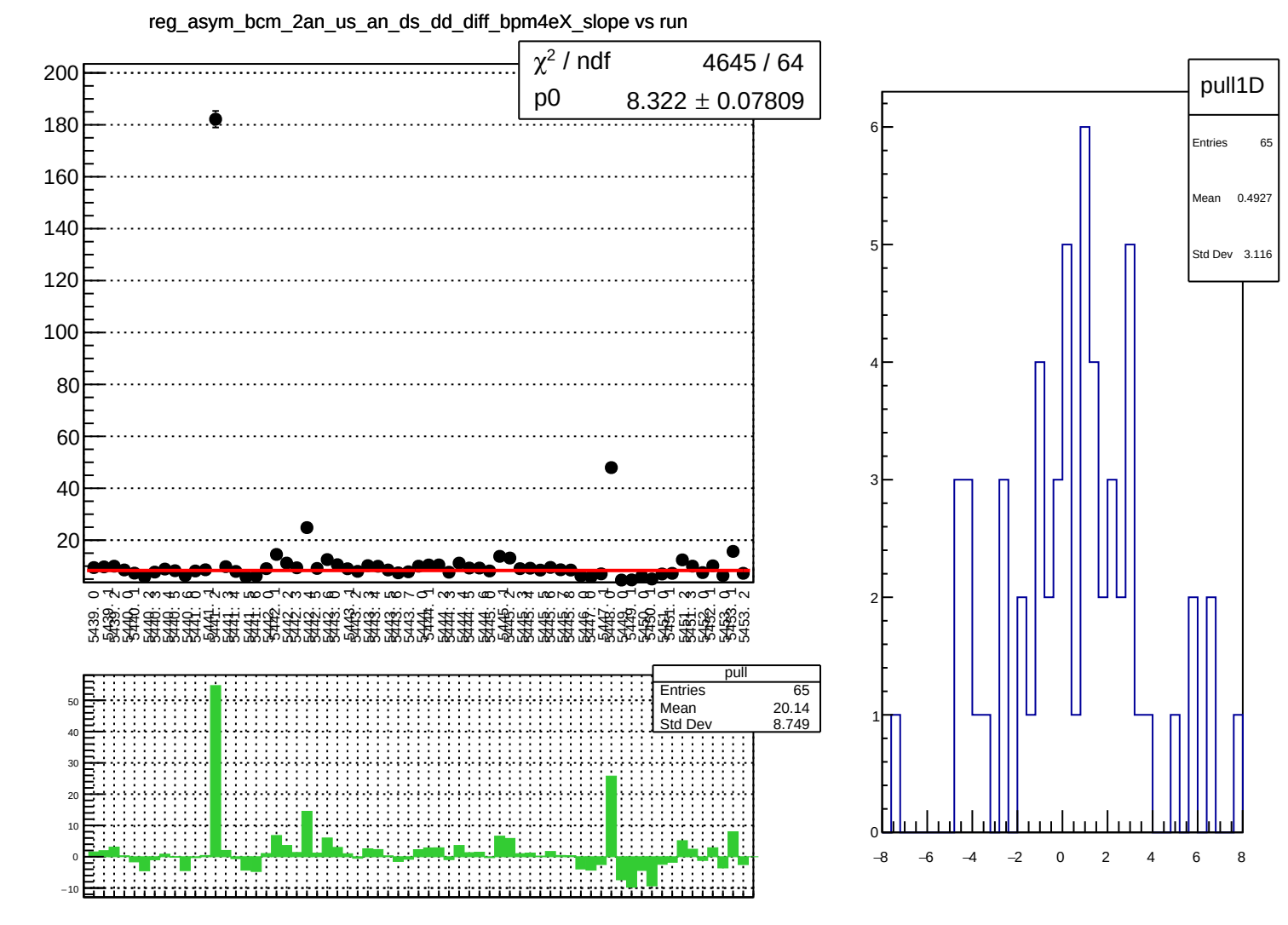

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 4638 / 64
p0 24.75 ± 0.2304
pull
Entries 65
Mean 20.28
Std Dev 9.037
pull1D
Entries 65
Mean 0.3608
Std Dev 2.973

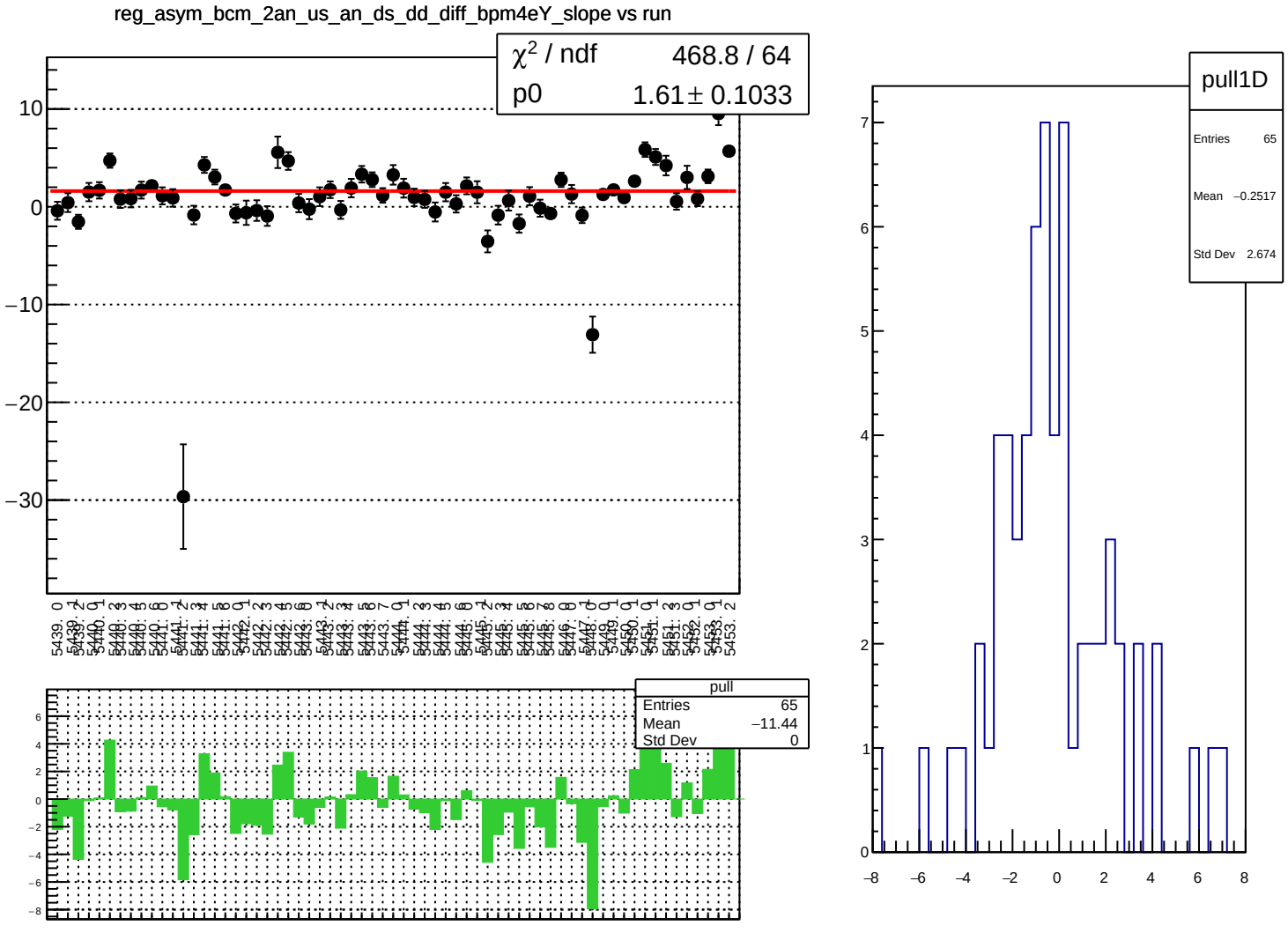

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 475.2 / 64
p0 4.77 ± 0.3048
pull
Entries 65
Mean −10.86
Std Dev 0
pull1D
Entries 65
Mean −0.2588
Std Dev 2.691

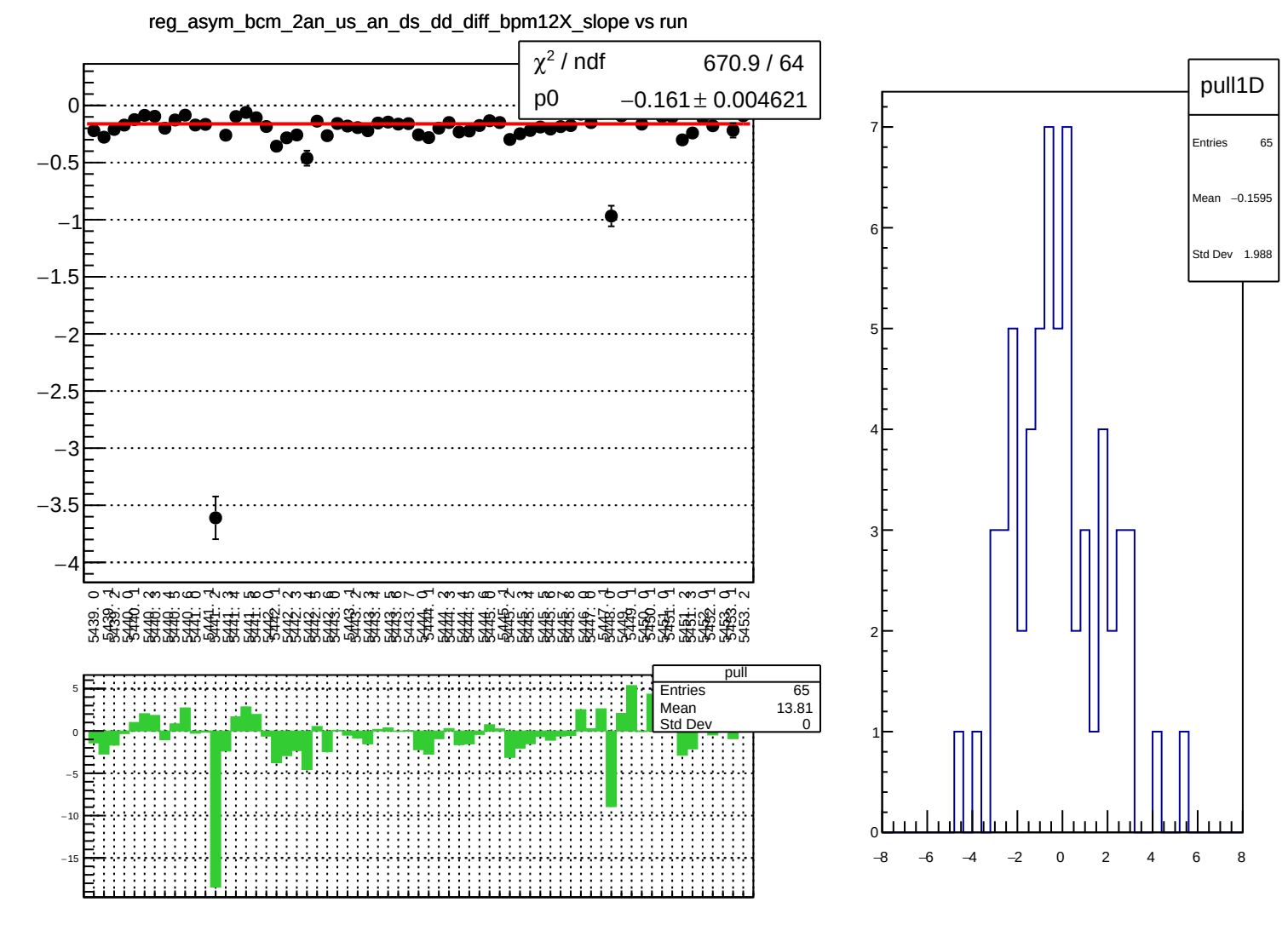

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 675.3 / 64
p0 −0.4775 ± 0.01363
pull
Entries 65
Mean 13.09
Std Dev 0
pull1D
Entries 65
Mean −0.1649
Std Dev 2.003

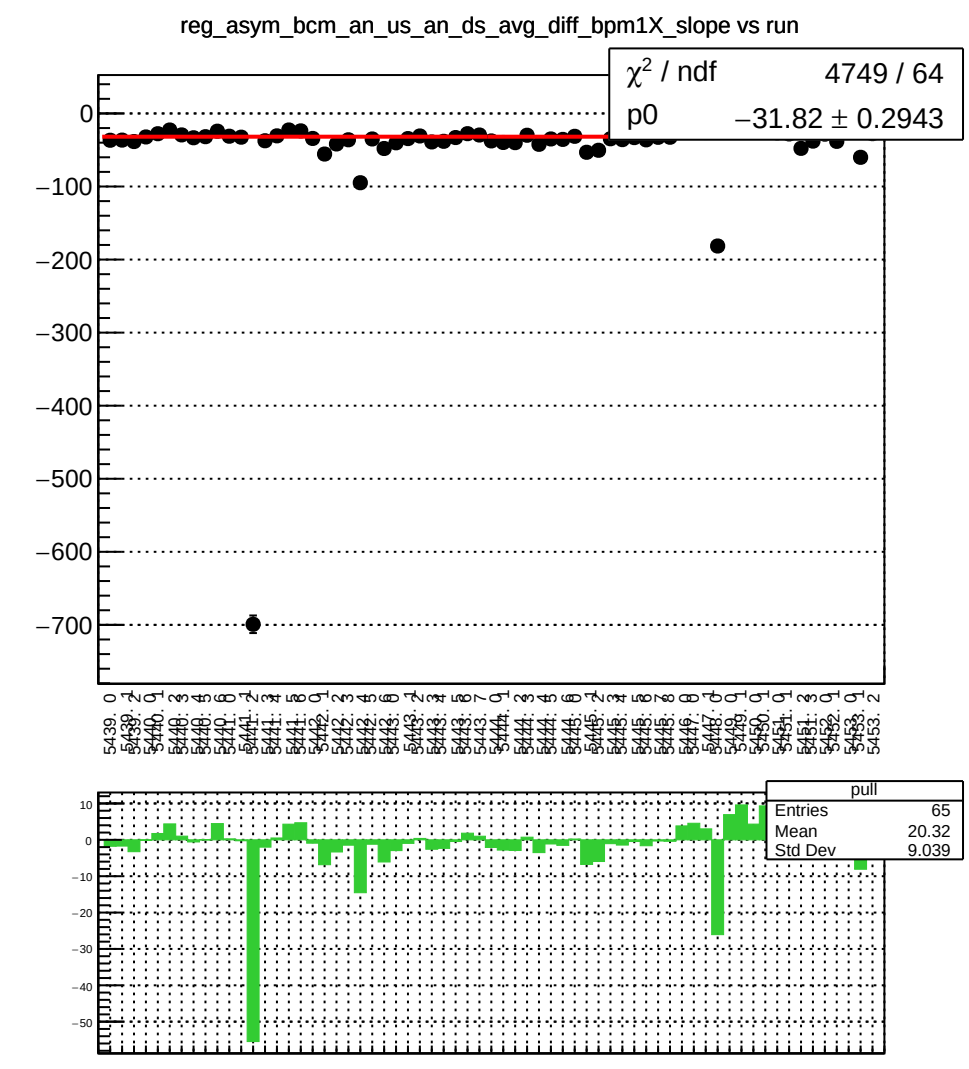

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 4759 / 64
p0 −10.72 ± 0.09986
pull
Entries 65
Mean 20.17
Std Dev 8.718
pull1D
Entries 65
Mean −0.5013
Std Dev 3.139

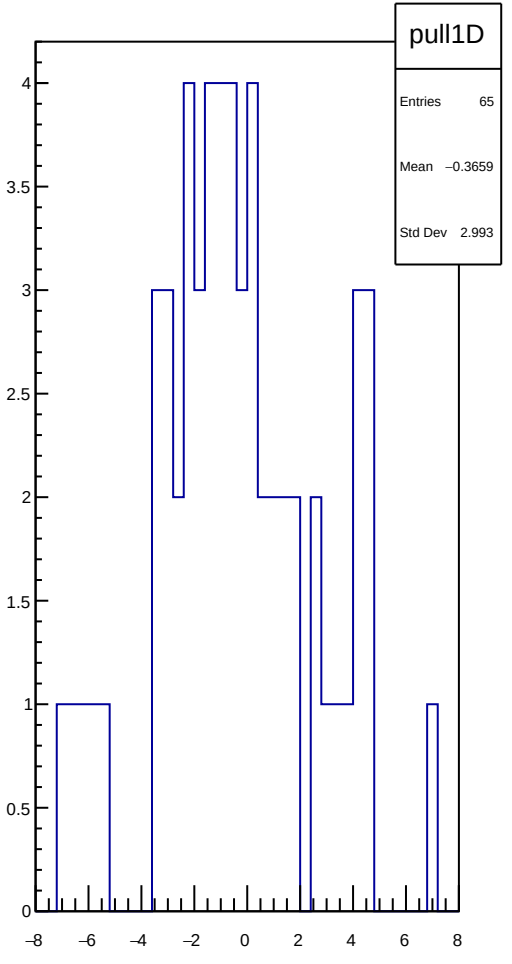

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 437.4 / 64
p0 −1.123 ± 0.08132
pull
Entries 65
Mean −17.57
Std Dev 0
pull1D
Entries 65
Mean 0.2026
Std Dev 2.586

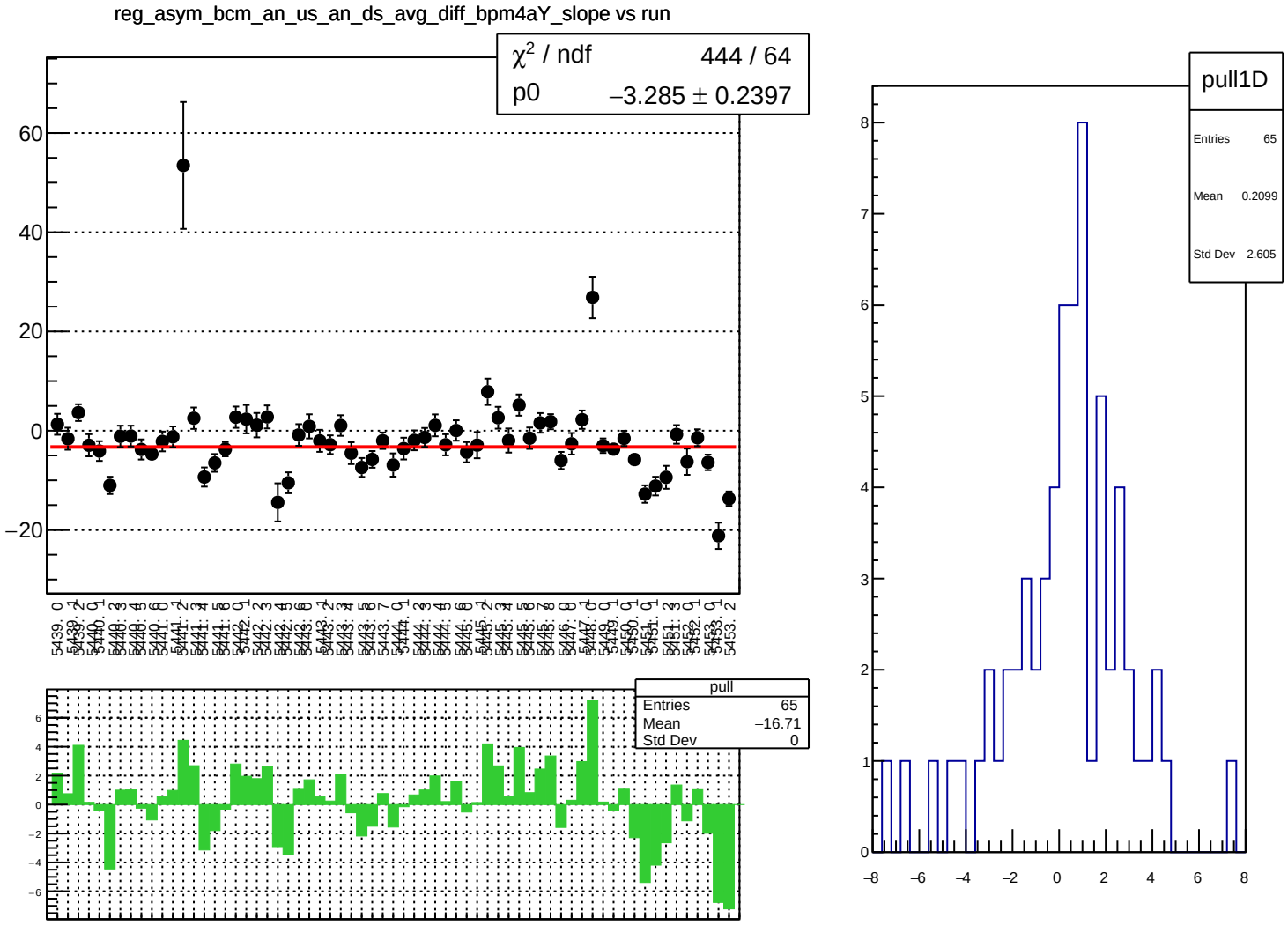

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 4645 / 64
p0 8.322 ± 0.07809
pull
Entries 65
Mean 20.14
Std Dev 8.749
pull1D
Entries 65
Mean 0.4927
Std Dev 3.116

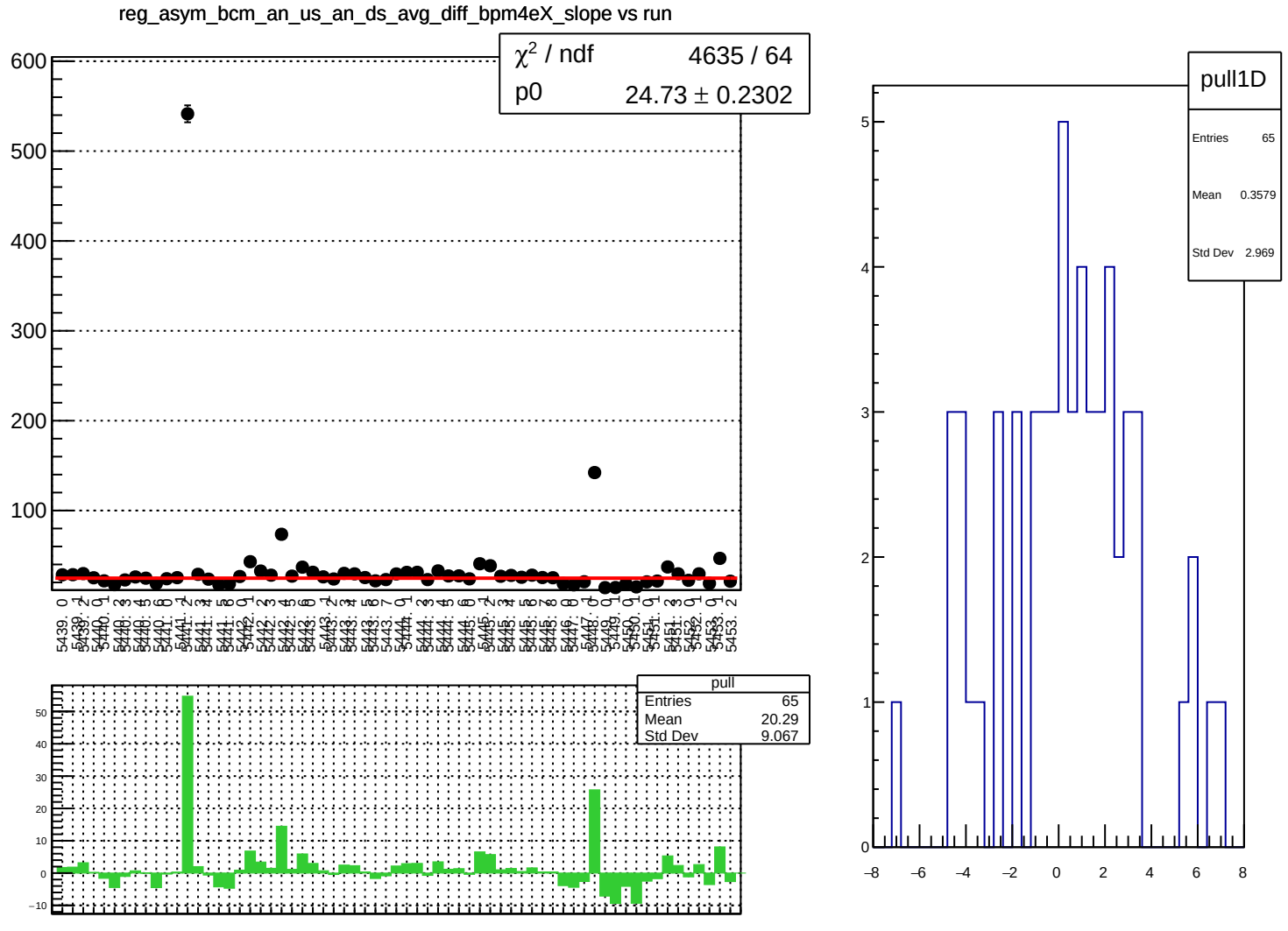

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 468.8 / 64
p0 1.61 ± 0.1033
pull
Entries 65
Mean −11.44
Std Dev 0
pull1D
Entries 65
Mean −0.2517
Std Dev 2.674

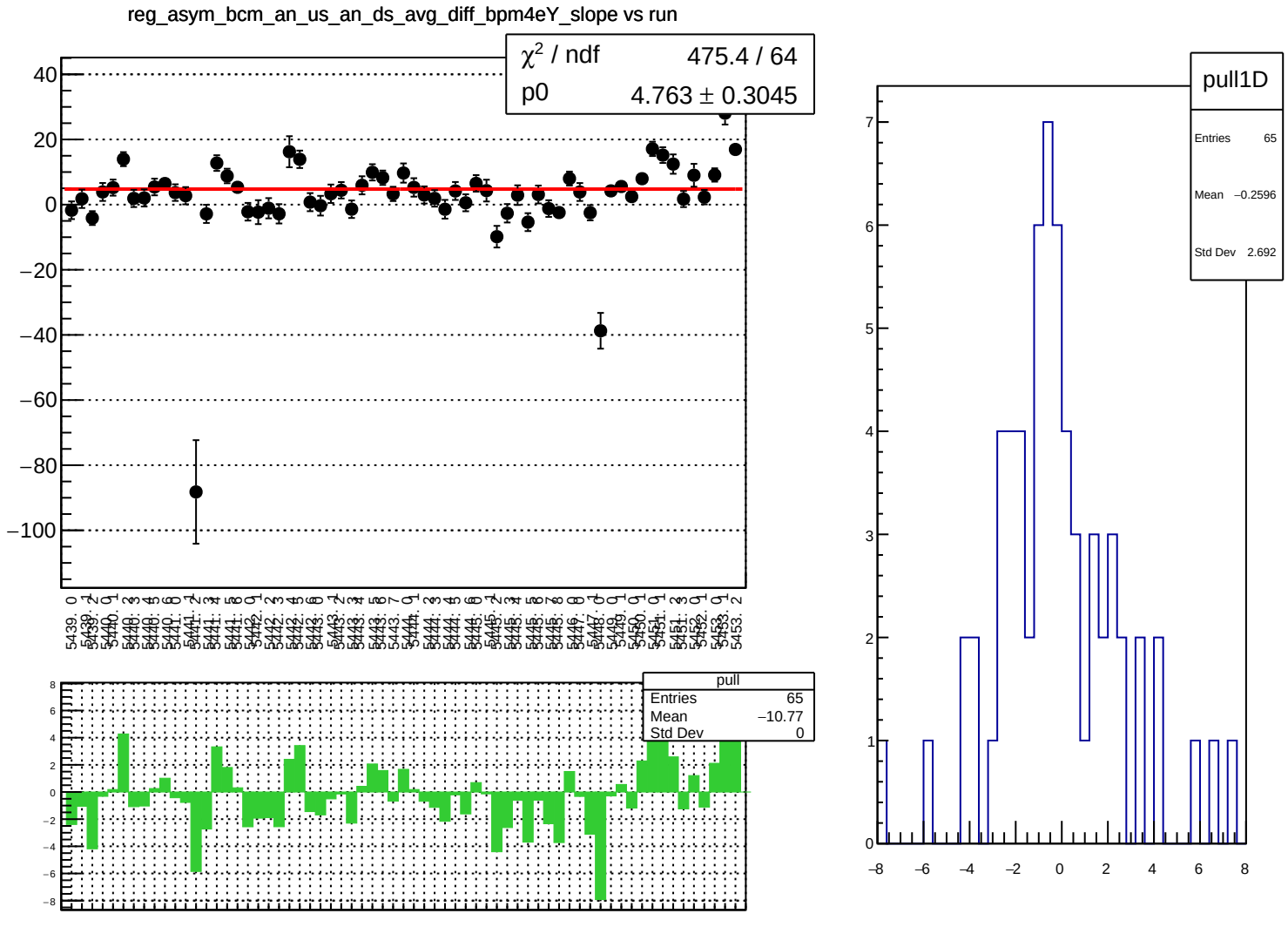

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 670.9 / 64
p0 −0.161 ± 0.004621
pull
Entries 65
Mean 13.81
Std Dev 0
pull1D
Entries 65
Mean −0.1595
Std Dev 1.988

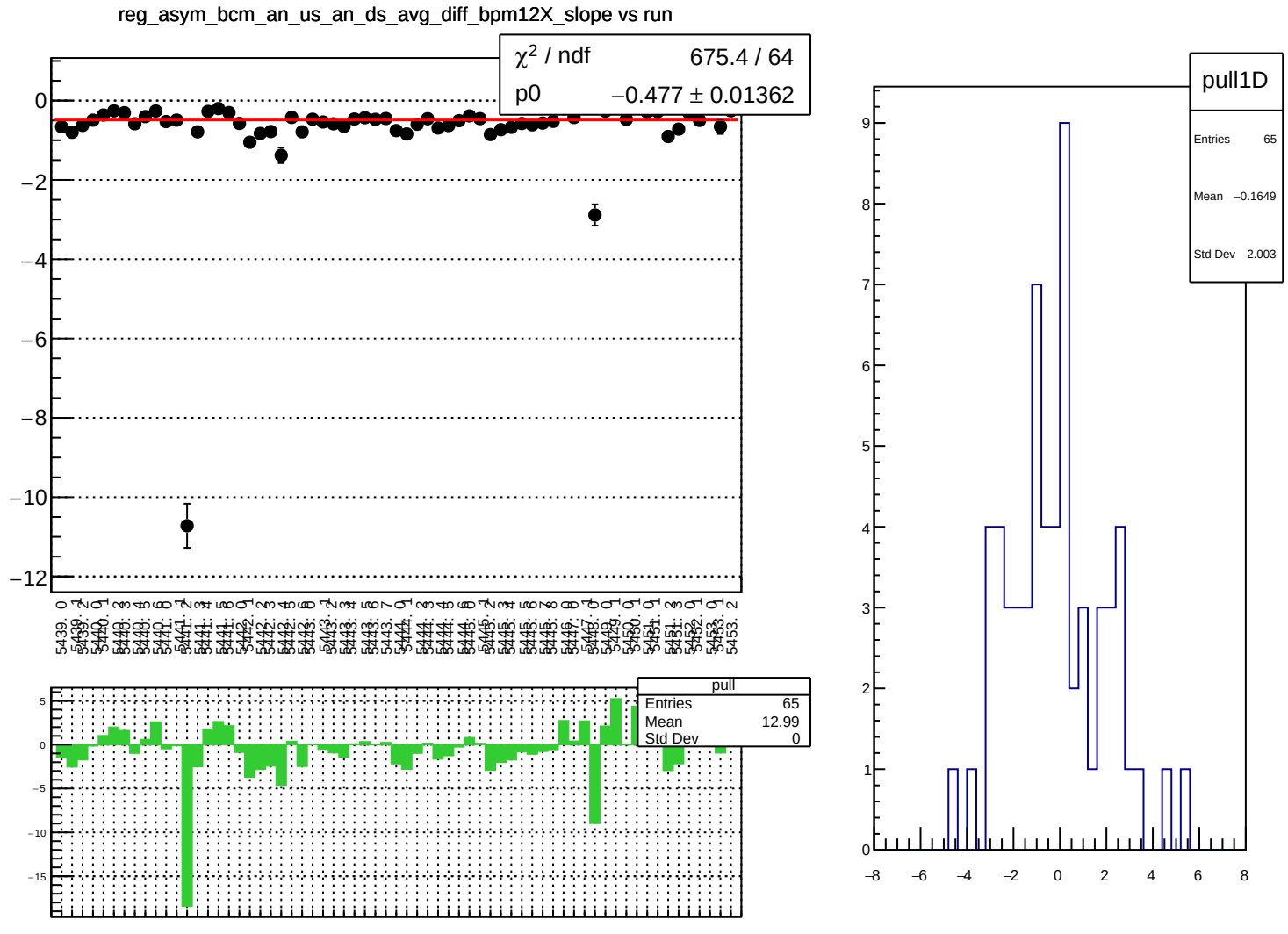

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 4749 / 64
p0 −31.82 ± 0.2943
pull
Entries 65
Mean 20.32
Std Dev 9.039

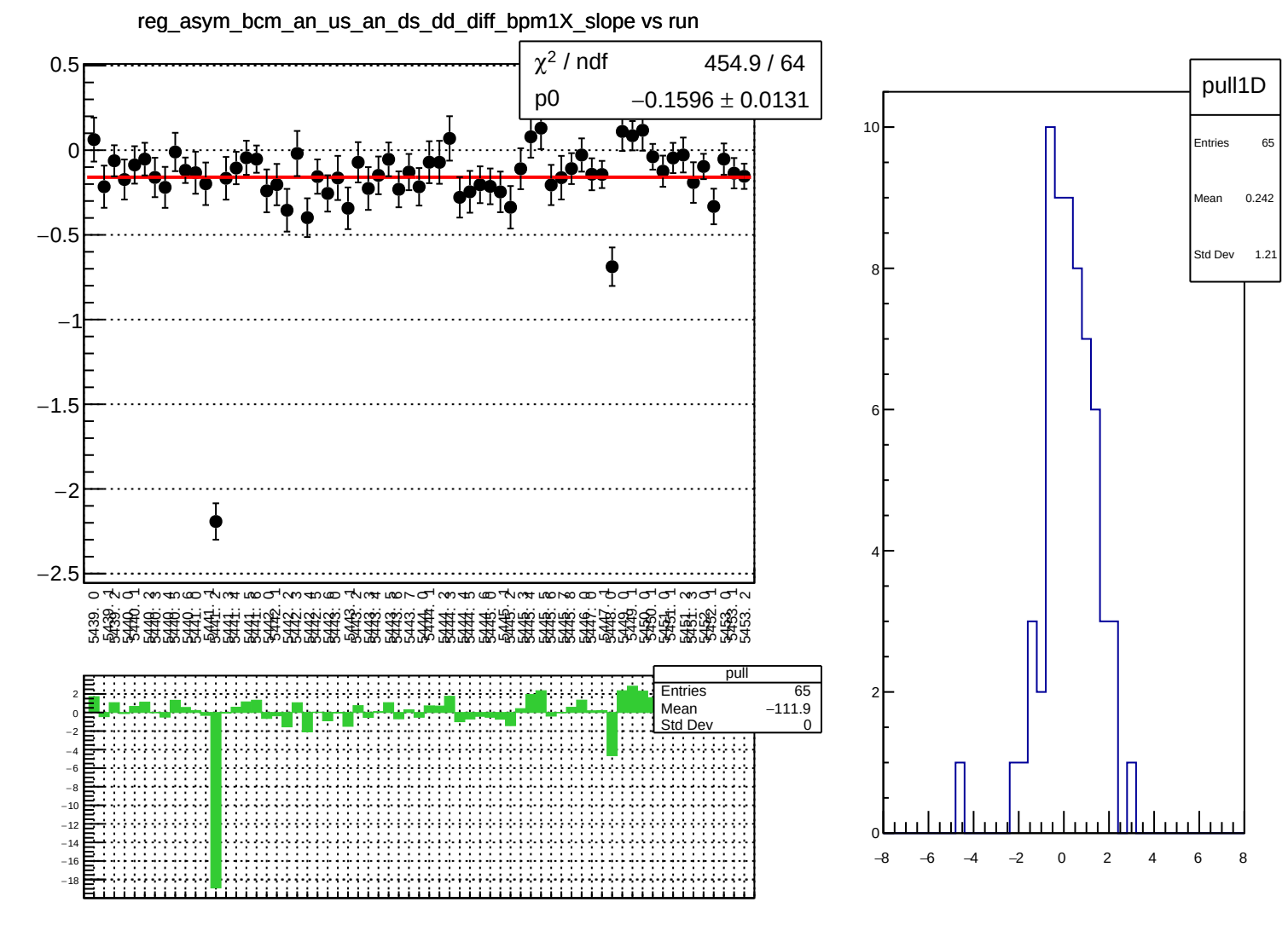

pull1D
Entries 65
Mean −0.3659
Std Dev 2.993

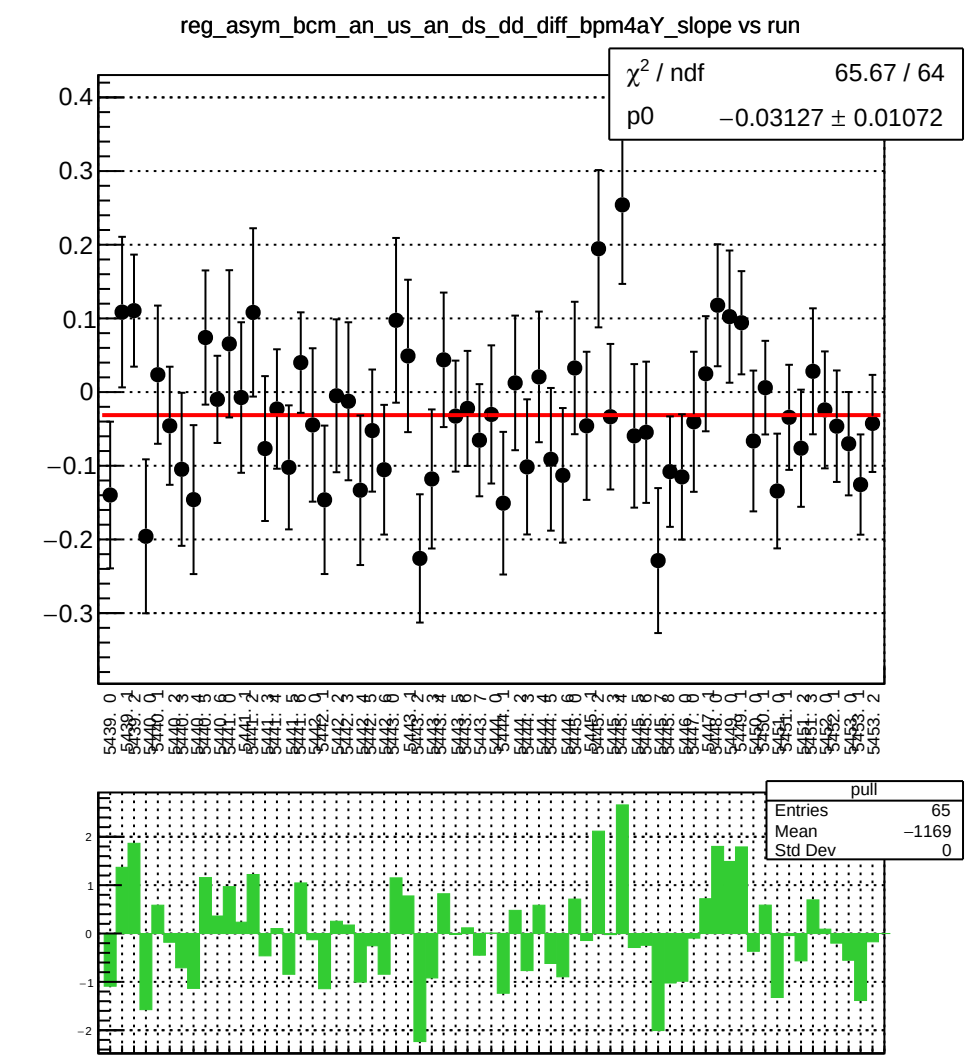

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 444 / 64
p0 −3.285 ± 0.2397
pull
Entries 65
Mean −16.71
Std Dev 0
pull1D
Entries 65
Mean 0.2099
Std Dev 2.605

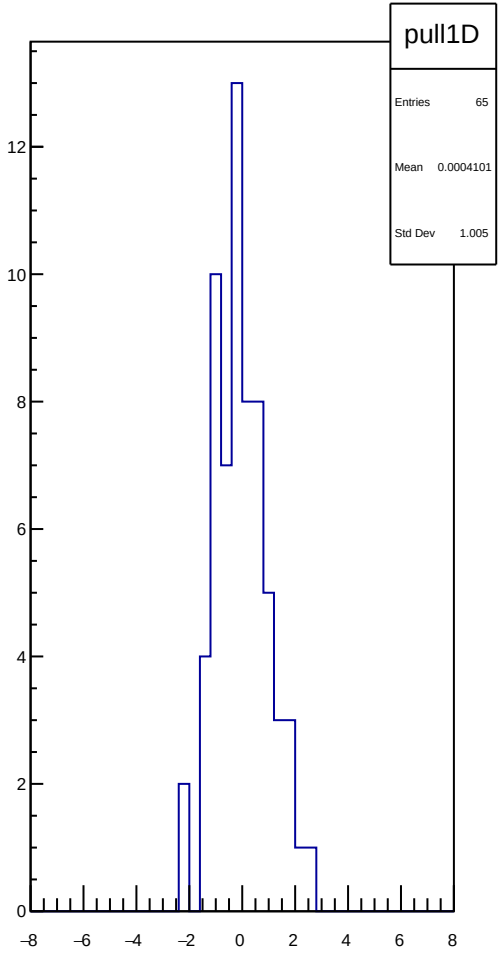

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 4635 / 64
p0 24.73 ± 0.2302
pull
Entries 65
Mean 20.29
Std Dev 9.067
pull1D
Entries 65
Mean 0.3579
Std Dev 2.969

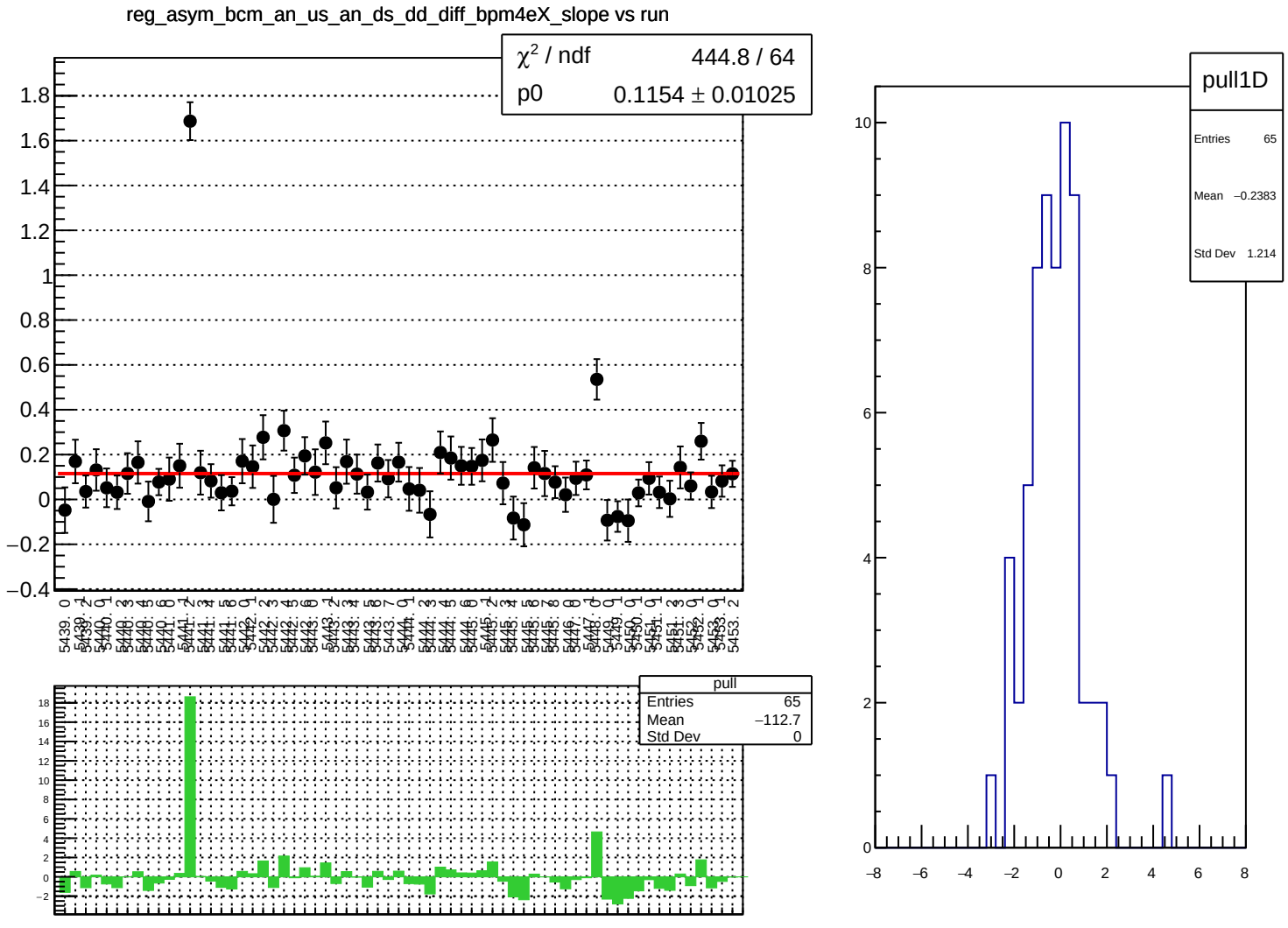

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 475.4 / 64
p0 4.763 ± 0.3045
pull
Entries 65
Mean −10.77
Std Dev 0
pull1D
Entries 65
Mean −0.2596
Std Dev 2.692

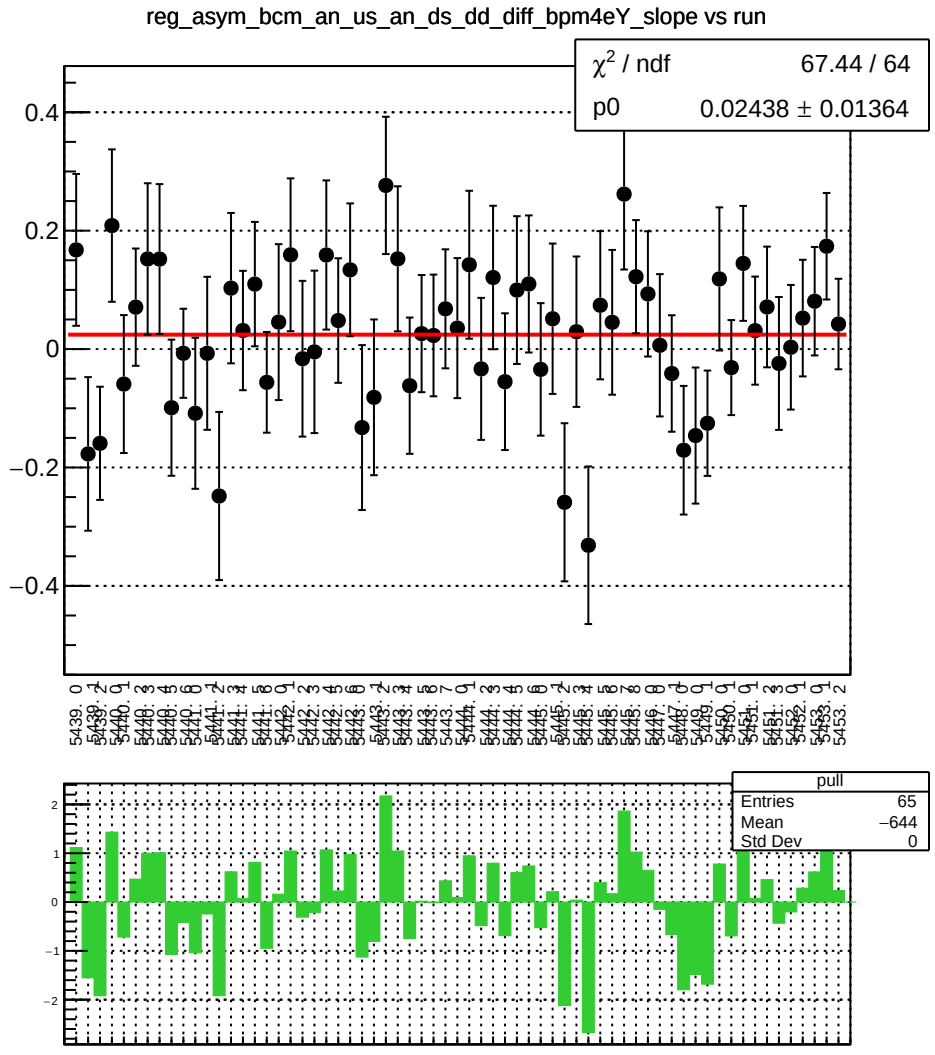

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 675.4 / 64
p0 −0.477 ± 0.01362
pull
Entries 65
Mean 12.99
Std Dev 0
pull1D
Entries 65
Mean −0.1649
Std Dev 2.003

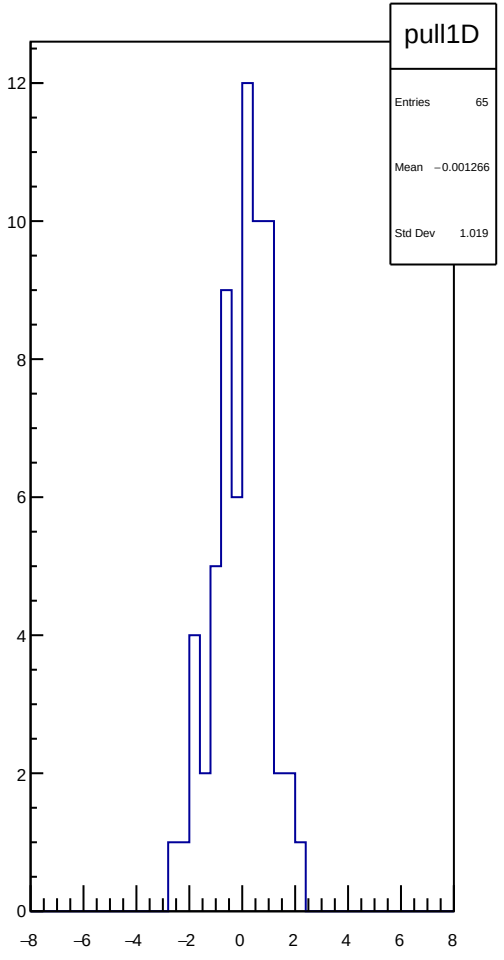

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 454.9 / 64
p0 −0.1596 ± 0.0131
pull
Entries 65
Mean −111.9
Std Dev 0
pull1D
Entries 65
Mean 0.242
Std Dev 1.21

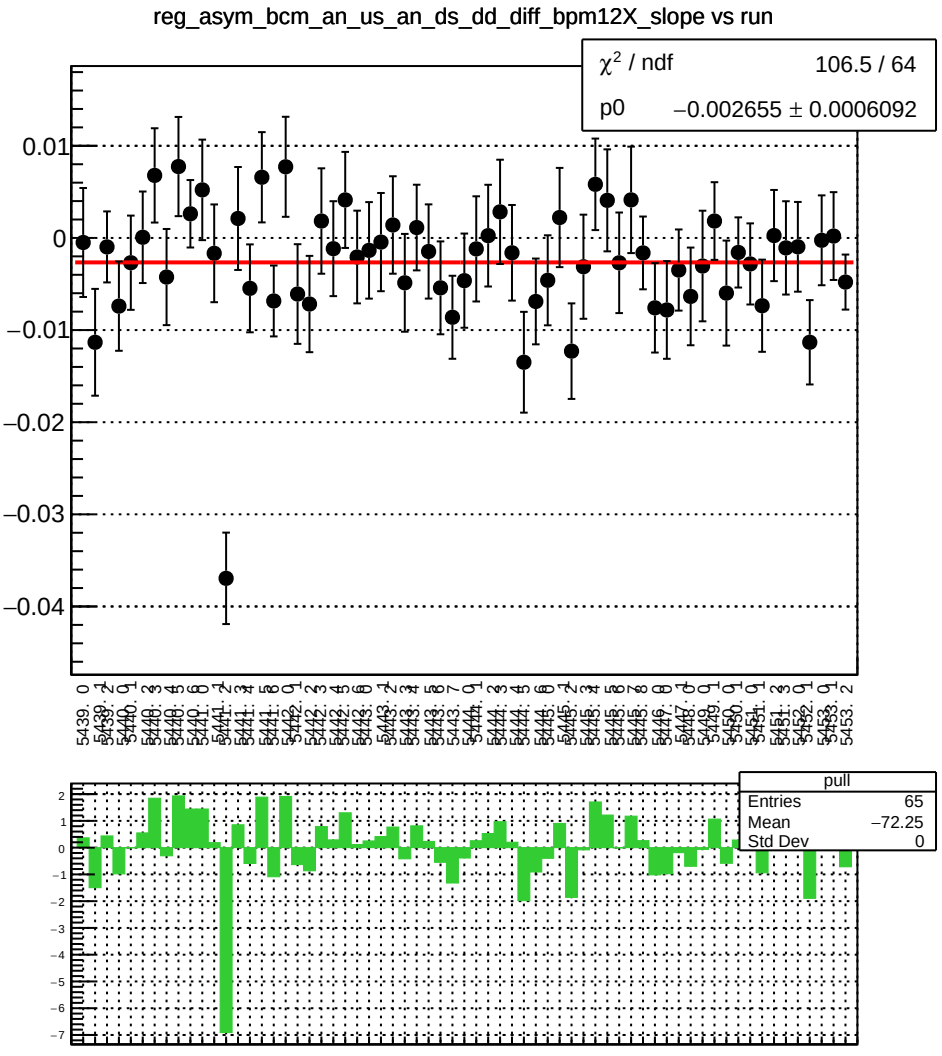

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.67 / 64
p0 −0.03127 ± 0.01072
pull
Entries 65
Mean −1169
Std Dev 0

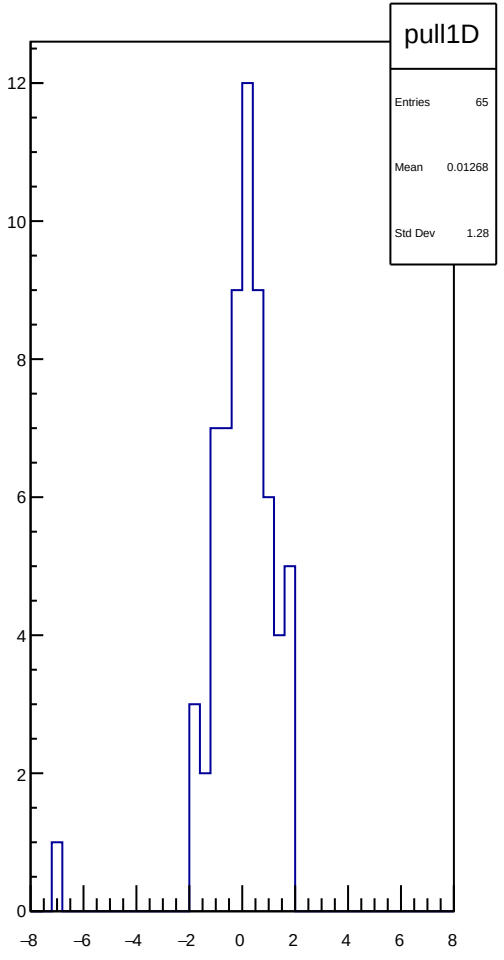

pull1D
Entries 65
Mean 0.0004101
Std Dev 1.005

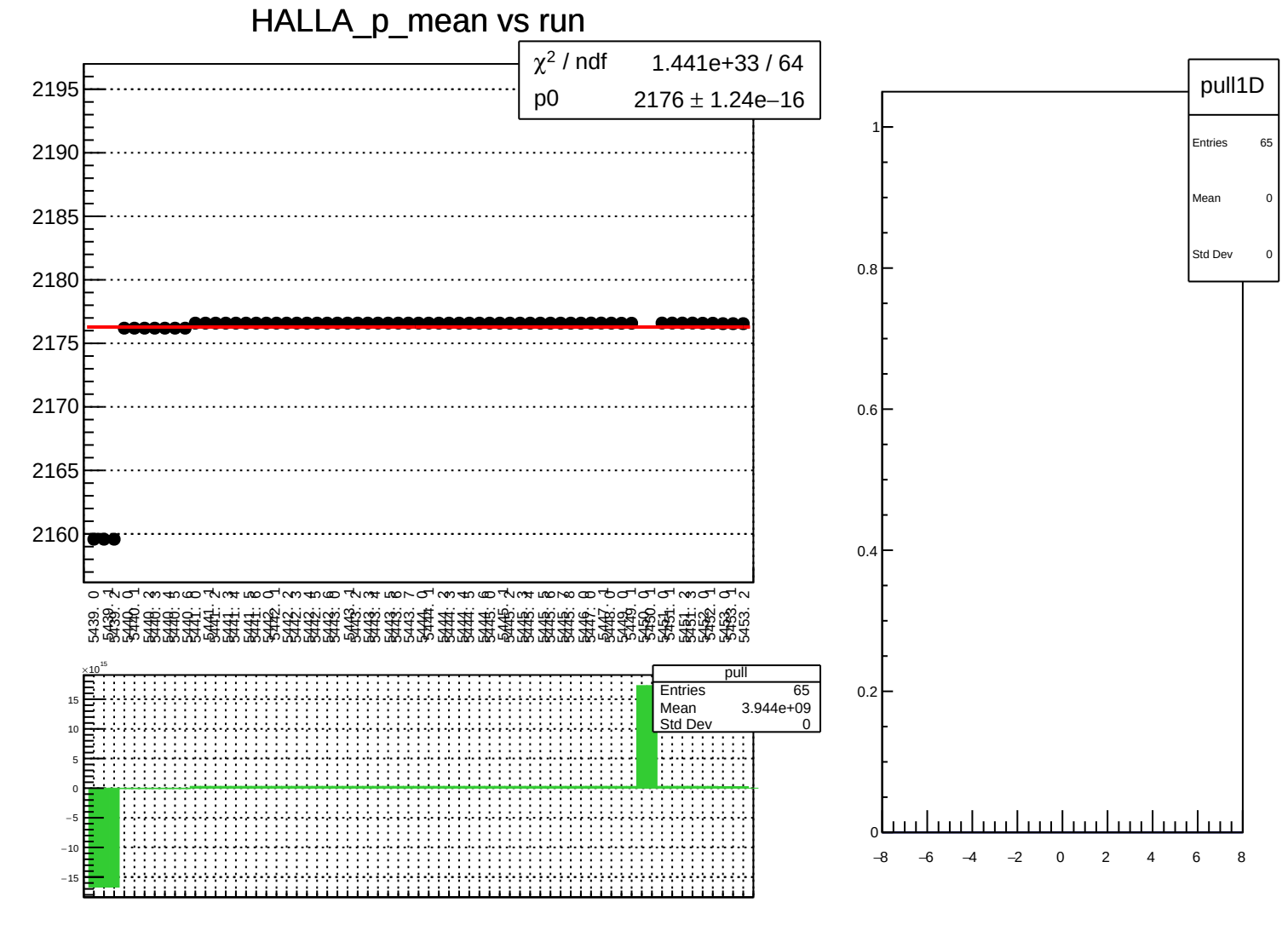

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 444.8 / 64
p0 0.1154 ± 0.01025
pull
Entries 65
Mean −112.7
Std Dev 0
pull1D
Entries 65
Mean −0.2383
Std Dev 1.214

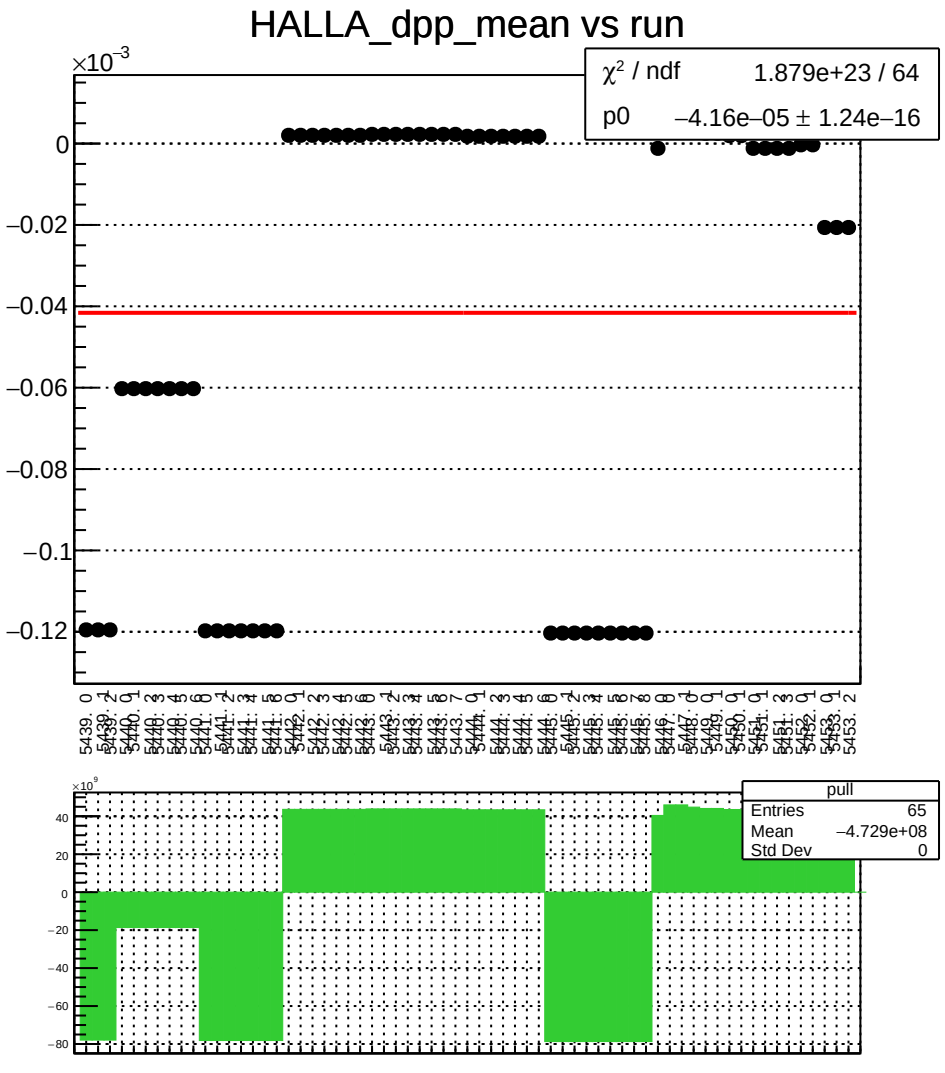

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.44 / 64
p0 0.02438 ± 0.01364
pull
Entries 65
Mean −644
Std Dev 0

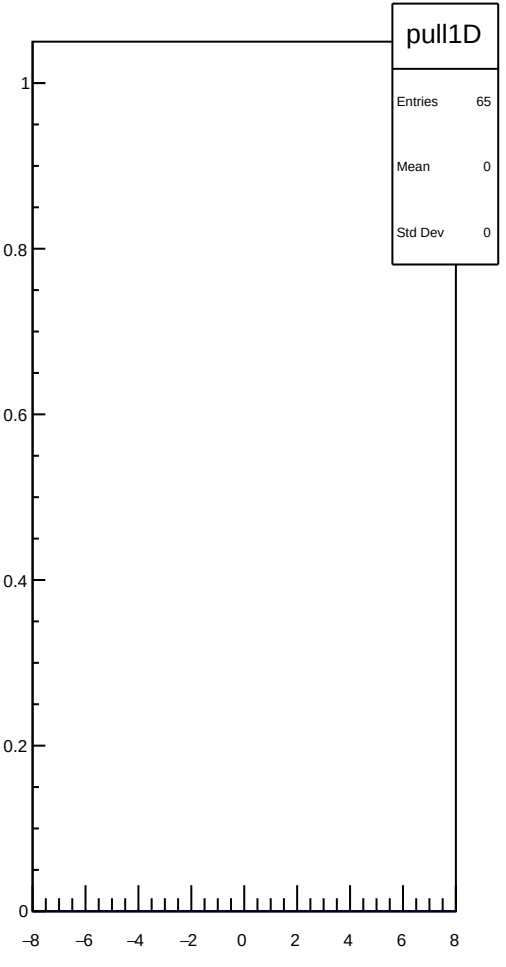

pull1D
Entries 65
Mean −0.001266
Std Dev 1.019

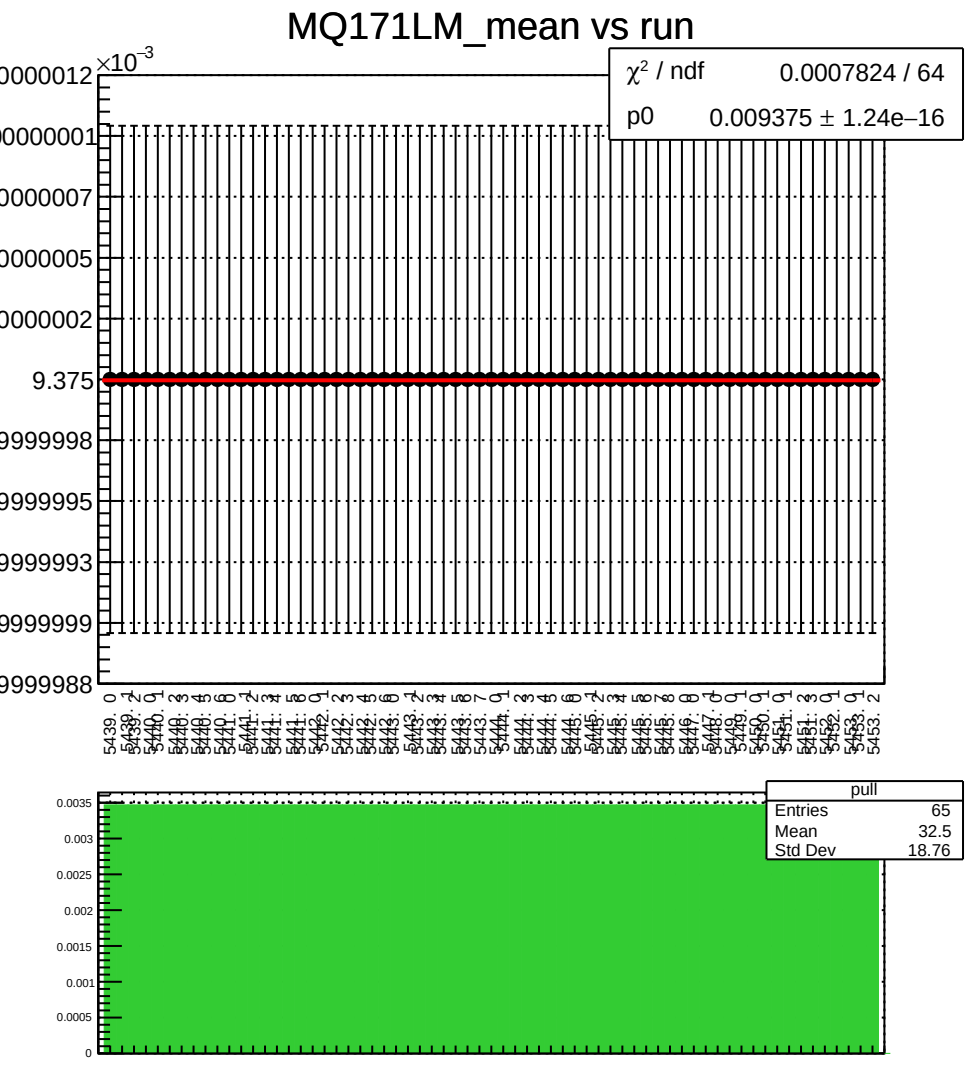

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 106.5 / 64
p0 −0.002655 ± 0.0006092
pull
Entries 65
Mean −72.25
Std Dev 0

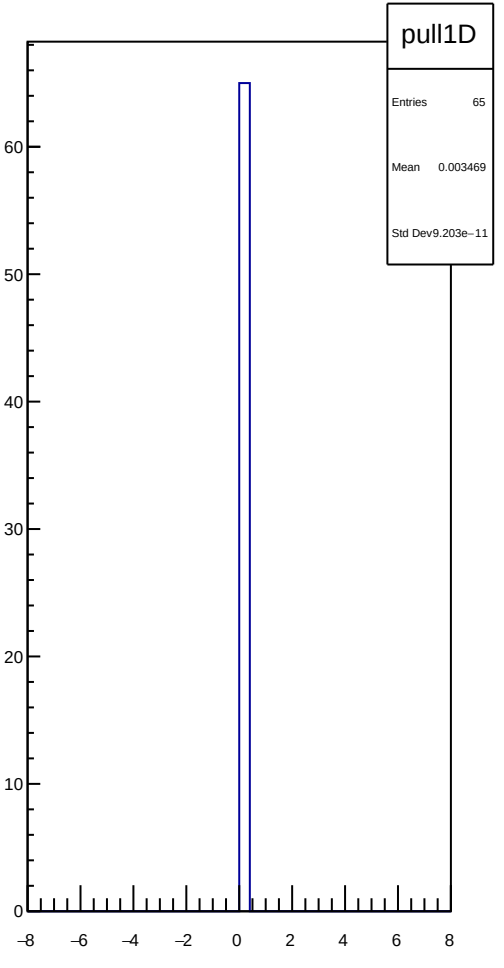

pull1D
Entries 65
Mean 0.01268
Std Dev 1.28

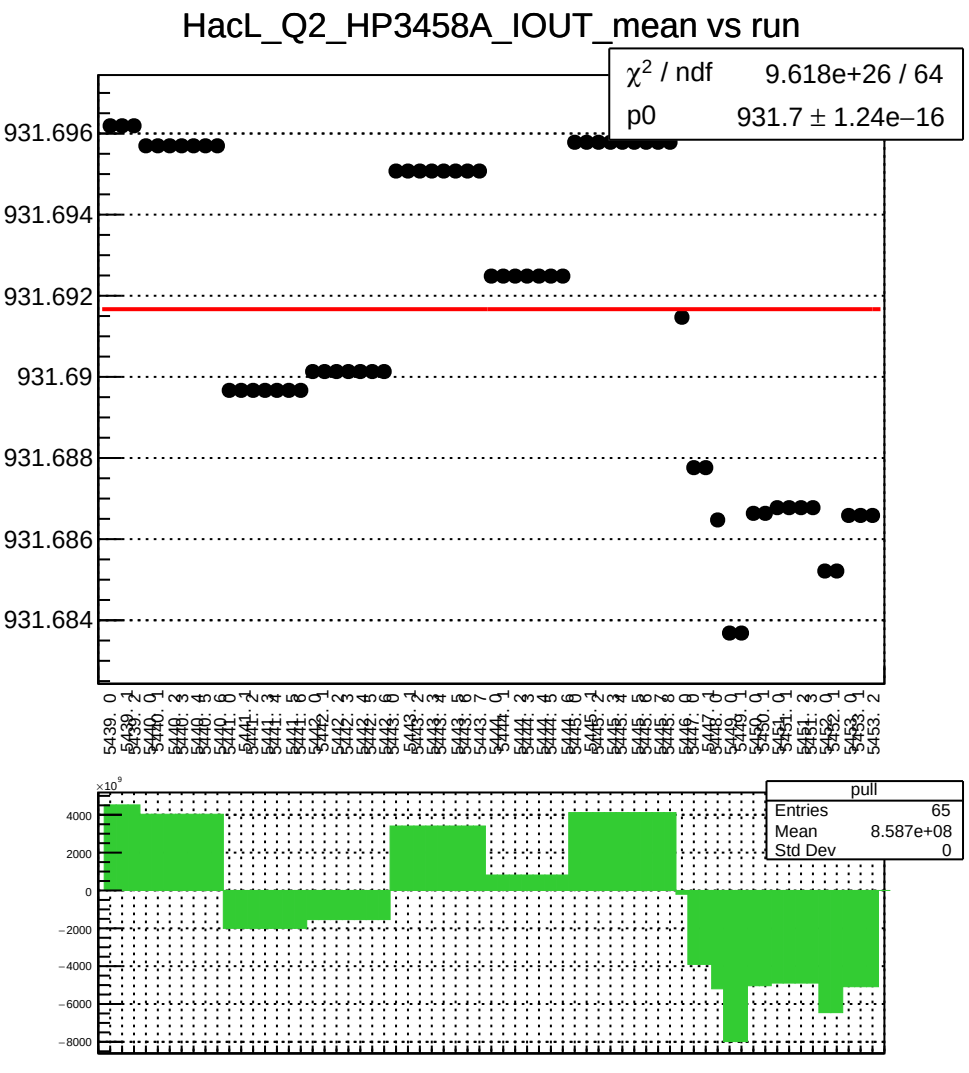

HALLA_p_mean vs run
χ² / ndf 1.441e+33 / 64
p0 2176 ± 1.24e−16
2195
2190
2185
2180
2175
2170
2165
2160
pull
Entries 65
Mean 3.944e+09
Std Dev 0
×10¹⁵
15
10
5
0
−5
−10
−15
pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

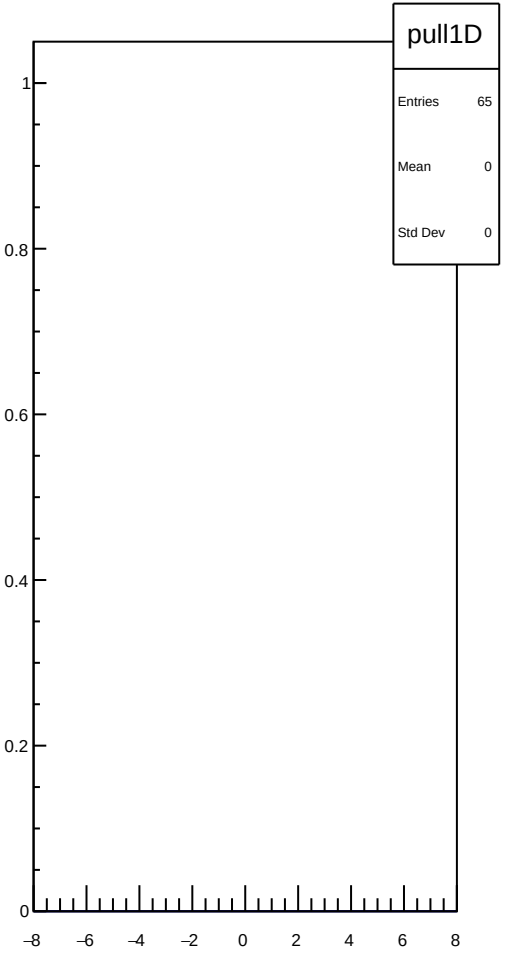

HALLA_dpp_mean vs run
χ² / ndf 1.879e+23 / 64
p0 −4.16e−05 ± 1.24e−16
×10⁻³
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 65
Mean −4.729e+08
Std Dev 0
×10⁹
40
20
0
−20
−40
−60
−80

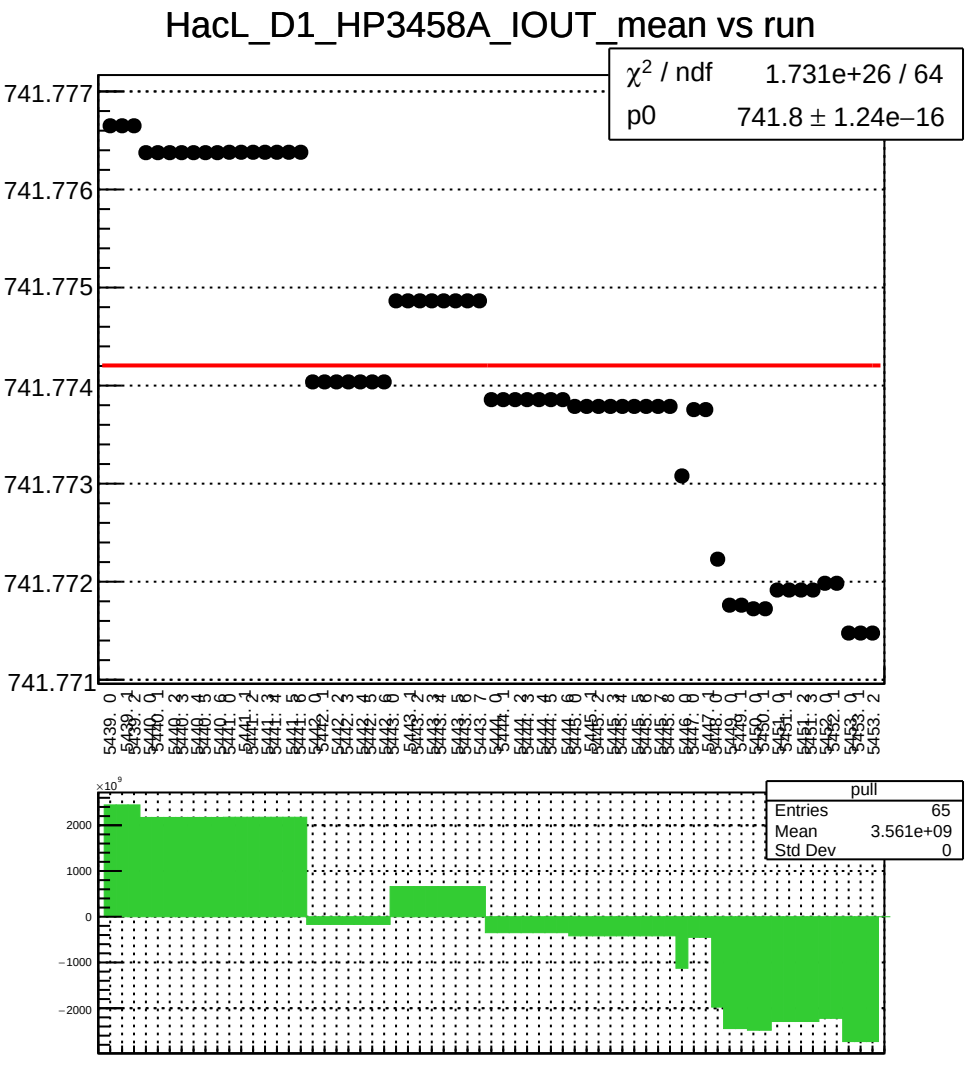

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

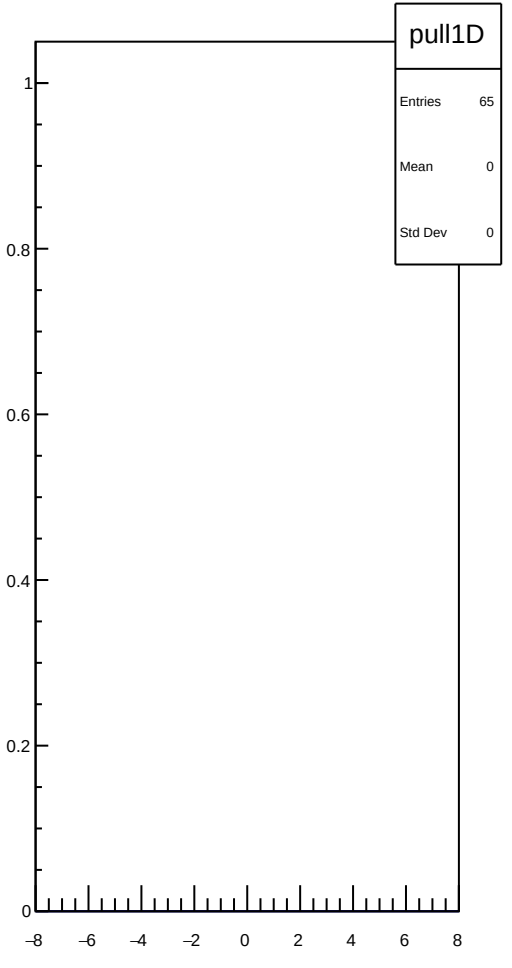

MQ171LM_mean vs run
χ² / ndf 0.0007824 / 64
p0 0.009375 ± 1.24e−16
×10⁻³
pull
Entries 65
Mean 32.5
Std Dev 18.76

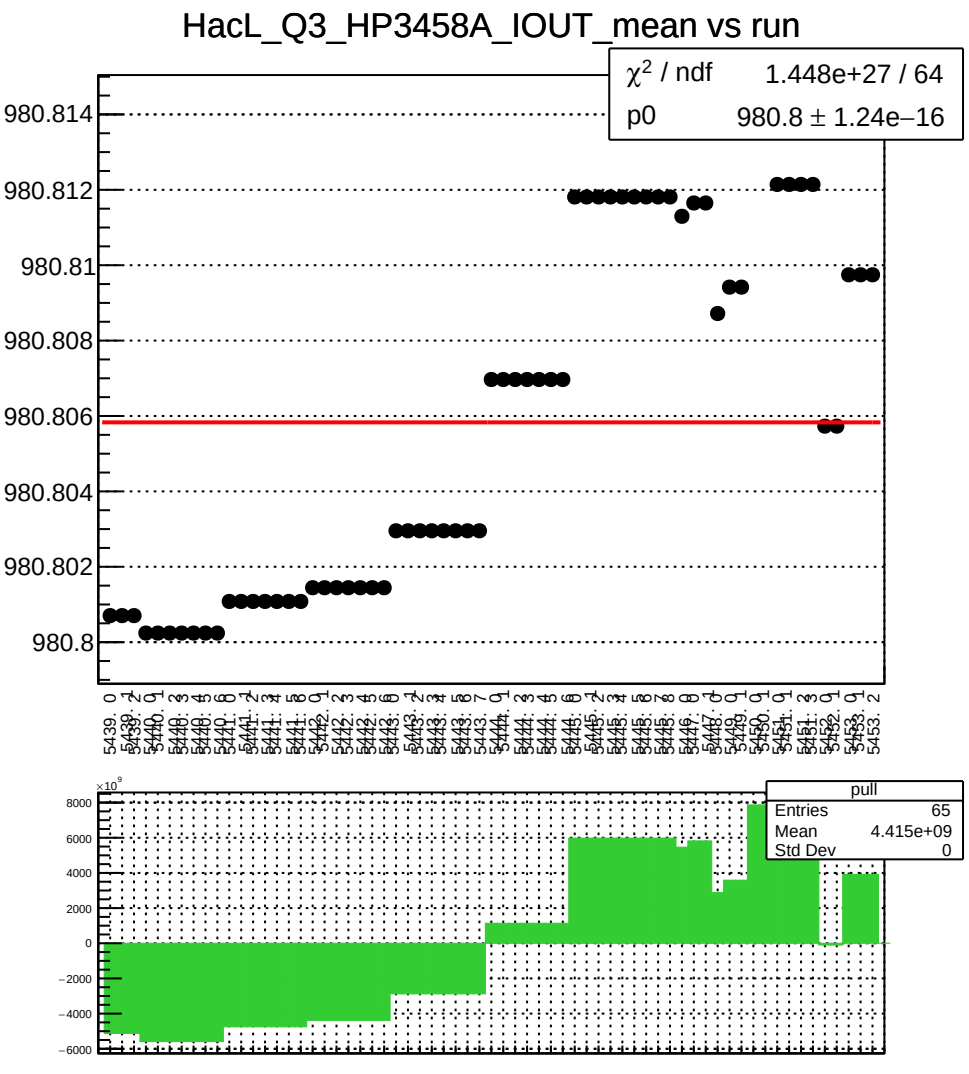

pull1D
Entries 65
Mean 0.003469
Std Dev9.203e−11

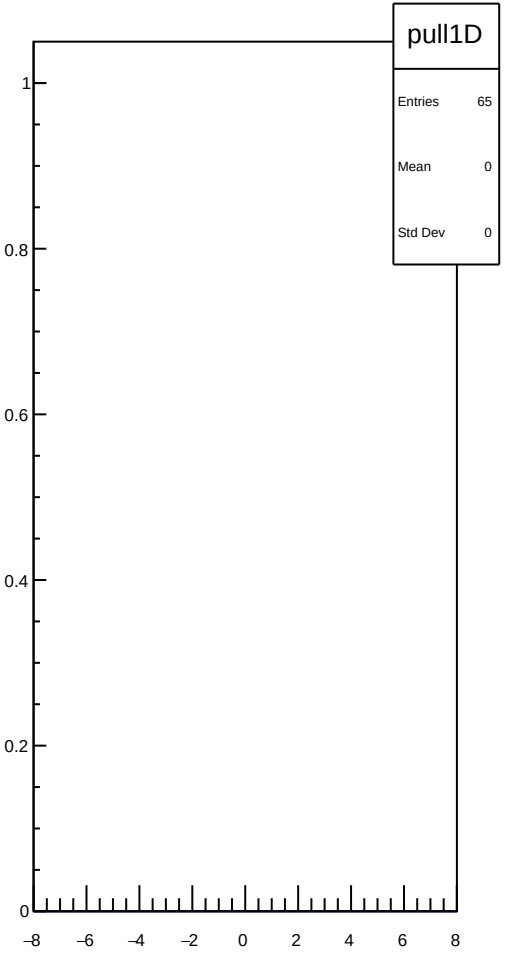

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 9.618e+26 / 64
p0 931.7 ± 1.24e−16
931.696
931.694
931.692
931.69
931.688
931.686
931.684
pull
Entries 65
Mean 8.587e+08
Std Dev 0
×10⁹
4000
2000
0
−2000
−4000
−6000
−8000

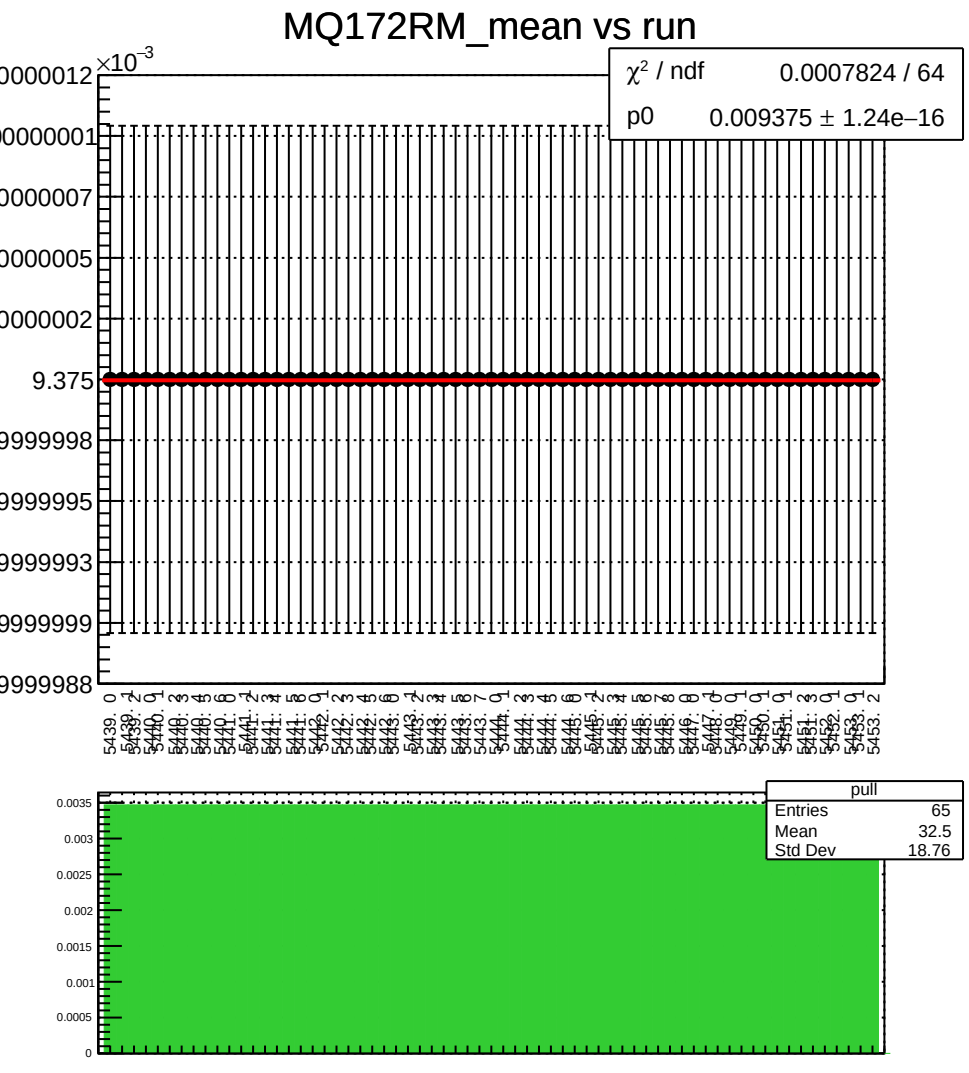

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

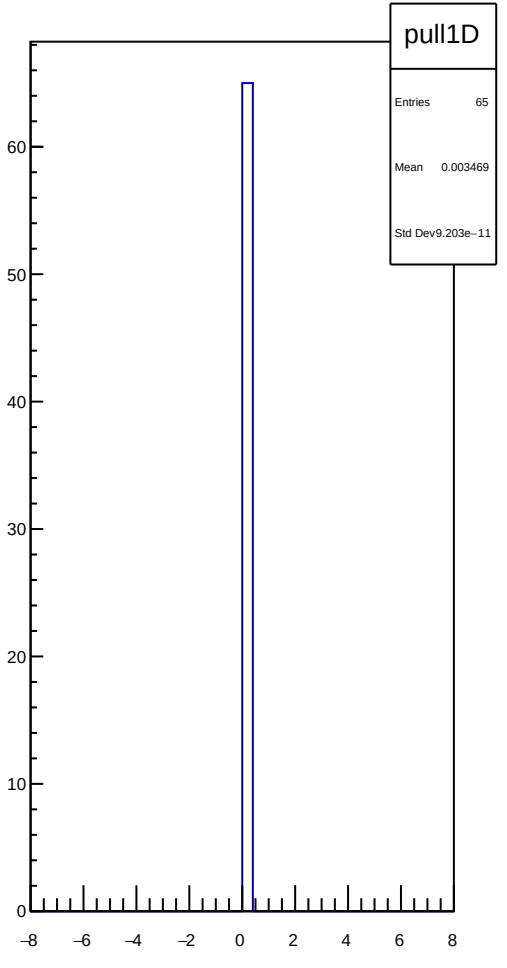

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.731e+26 / 64
p0 741.8 ± 1.24e−16
741.777
741.776
741.775
741.774
741.773
741.772
741.771
pull
Entries 65
Mean 3.561e+09
Std Dev 0
×10⁹
2000
1000
0
−1000
−2000

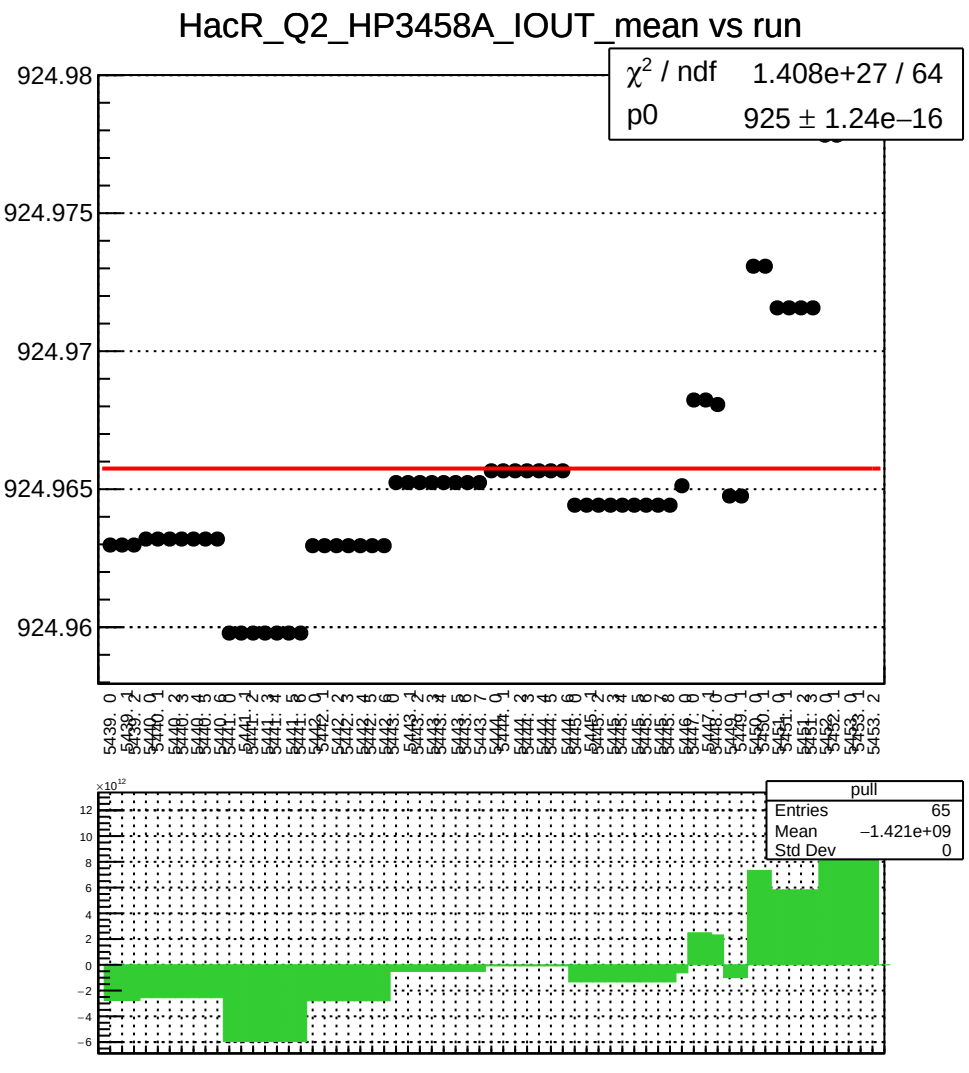

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

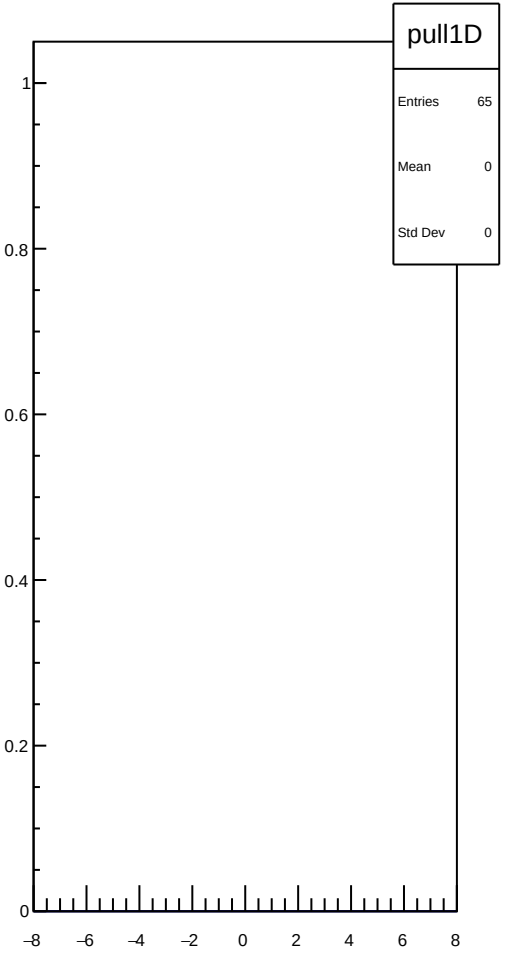

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.448e+27 / 64
p0 980.8 ± 1.24e−16
980.814
980.812
980.81
980.808
980.806
980.804
980.802
980.8
pull
Entries 65
Mean 4.415e+09
Std Dev 0
×10⁹
8000
6000
4000
2000
0
−2000
−4000
−6000

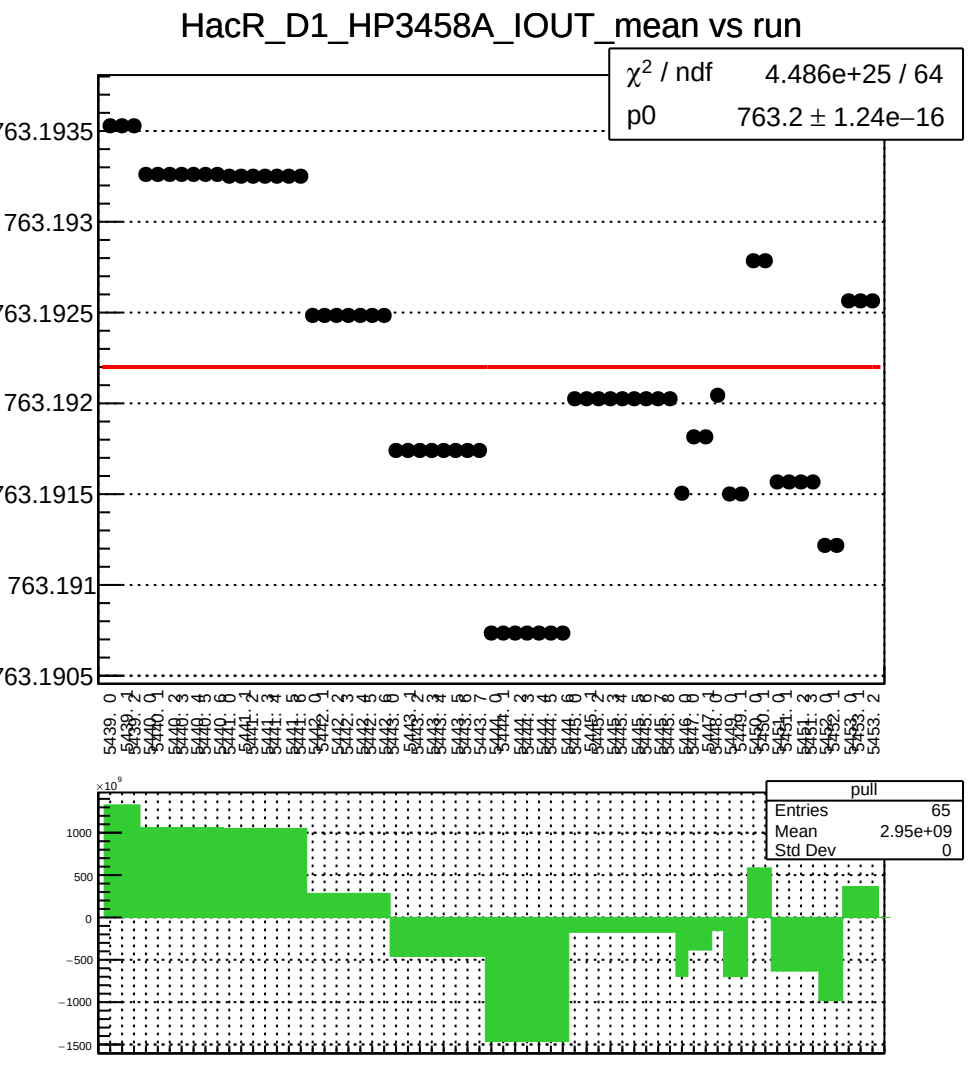

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

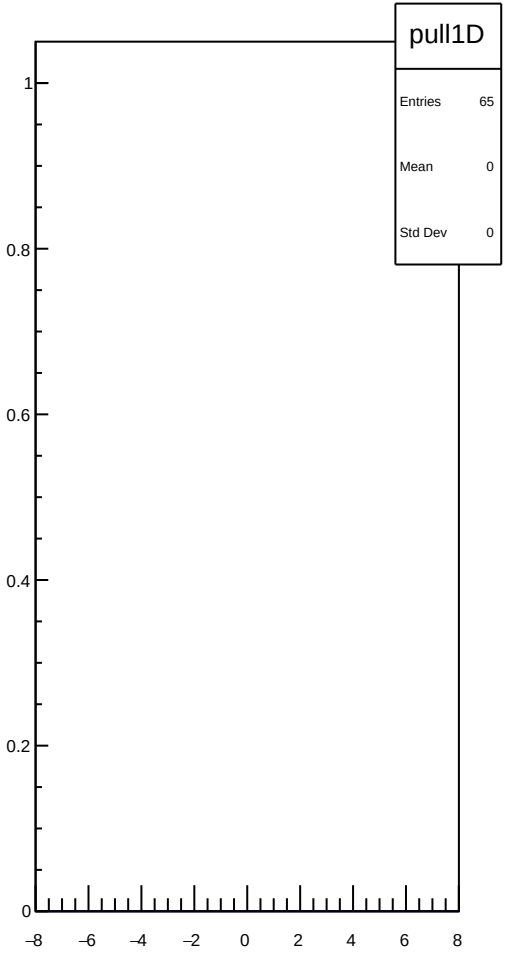

MQ172RM_mean vs run
χ² / ndf 0.0007824 / 64
p0 0.009375 ± 1.24e−16
×10⁻³
9.375
pull
Entries 65
Mean 32.5
Std Dev 18.76

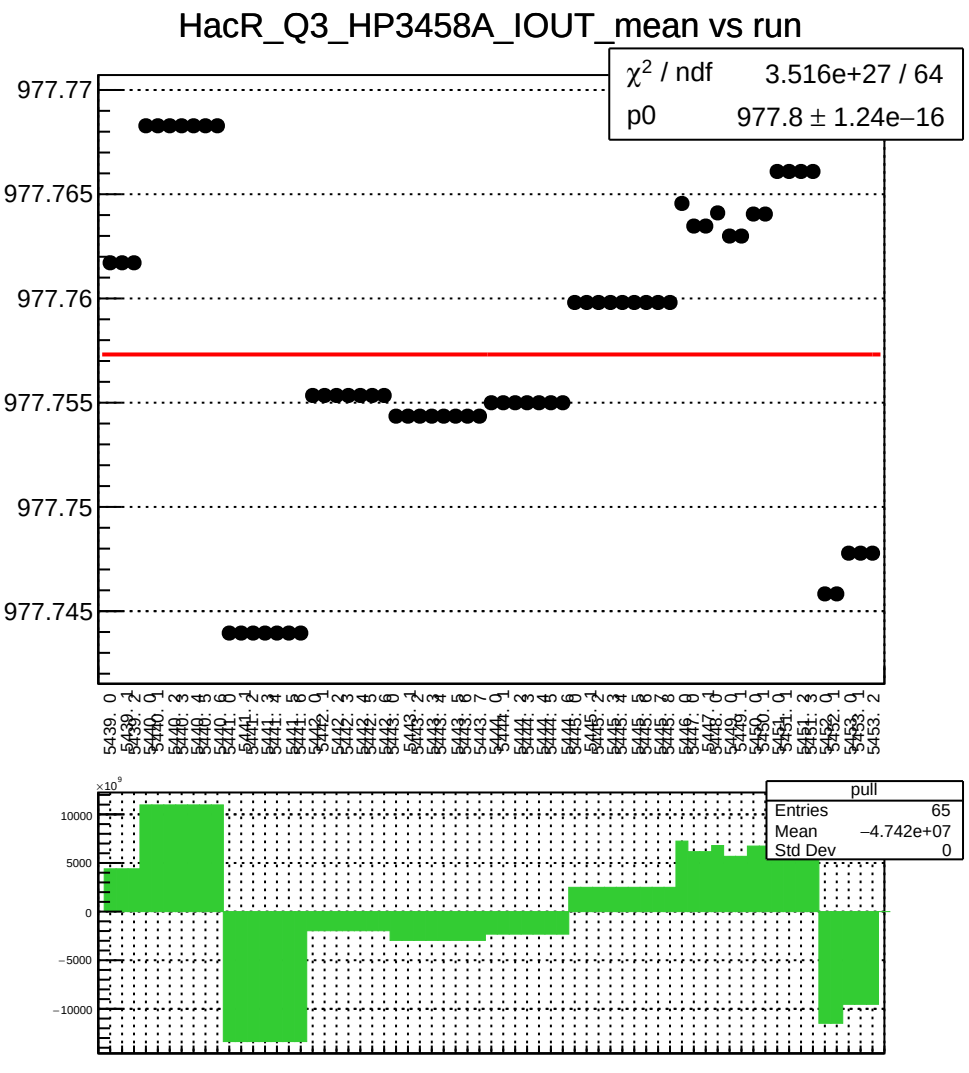

pull1D
Entries 65
Mean 0.003469
Std Dev 9.203e−11

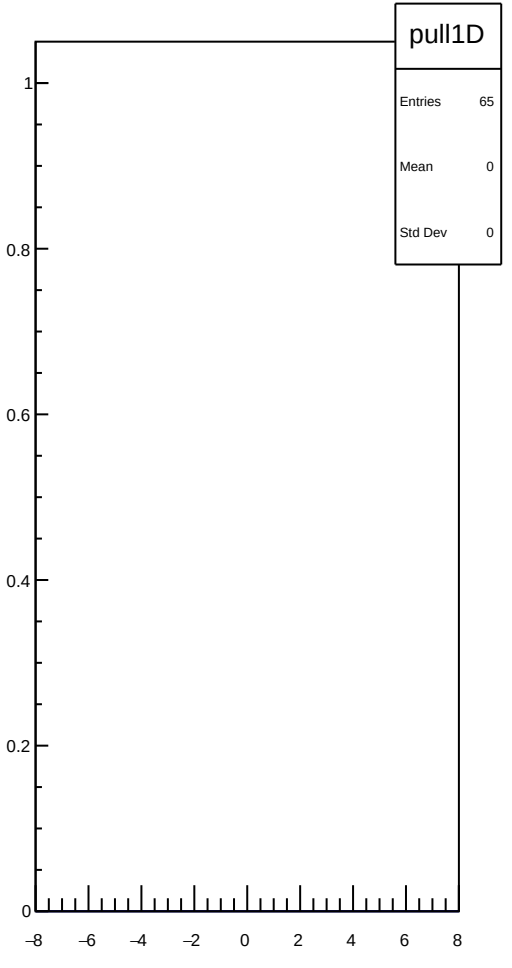

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.408e+27 / 64
p0 925 ± 1.24e−16
924.98
924.975
924.97
924.965
924.96
pull
Entries 65
Mean −1.421e+09
Std Dev 0
×10¹²

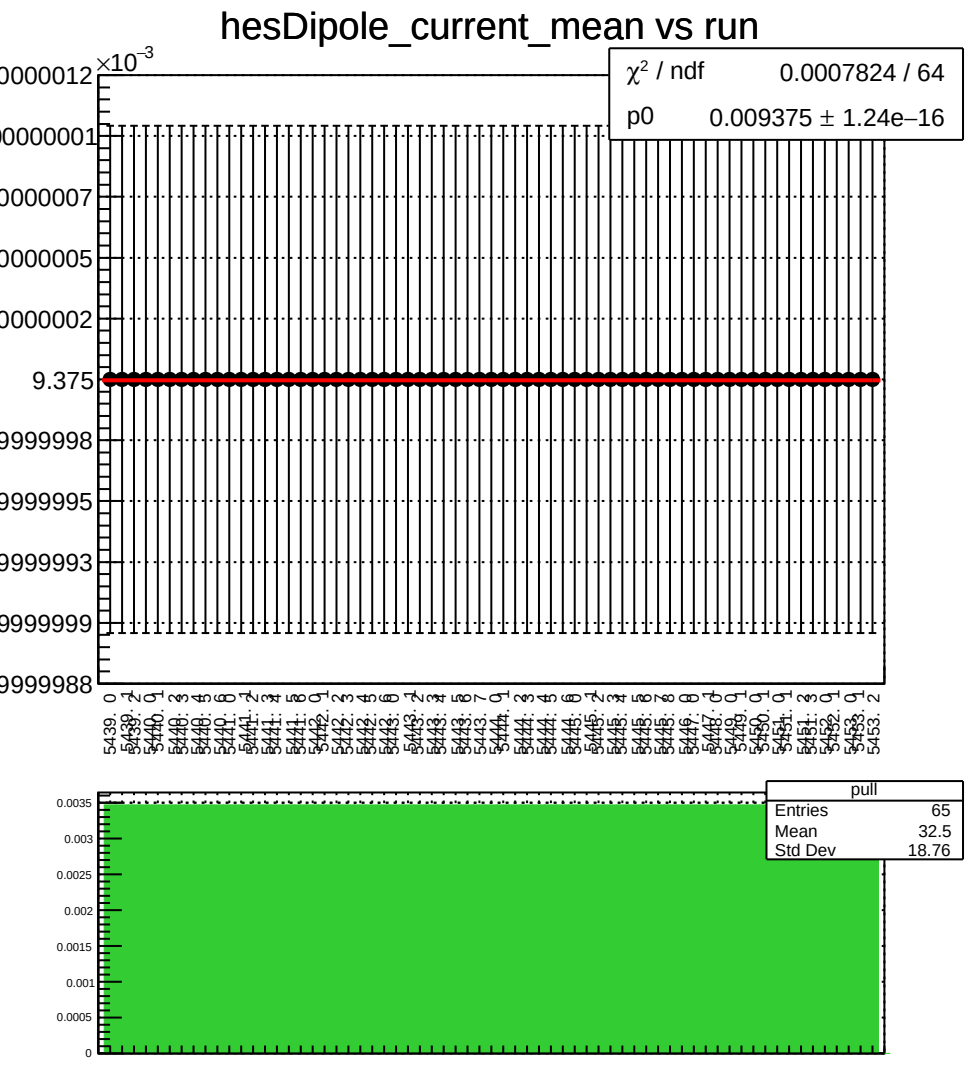

pull1D
Entries 65
Mean 0
Std Dev 0

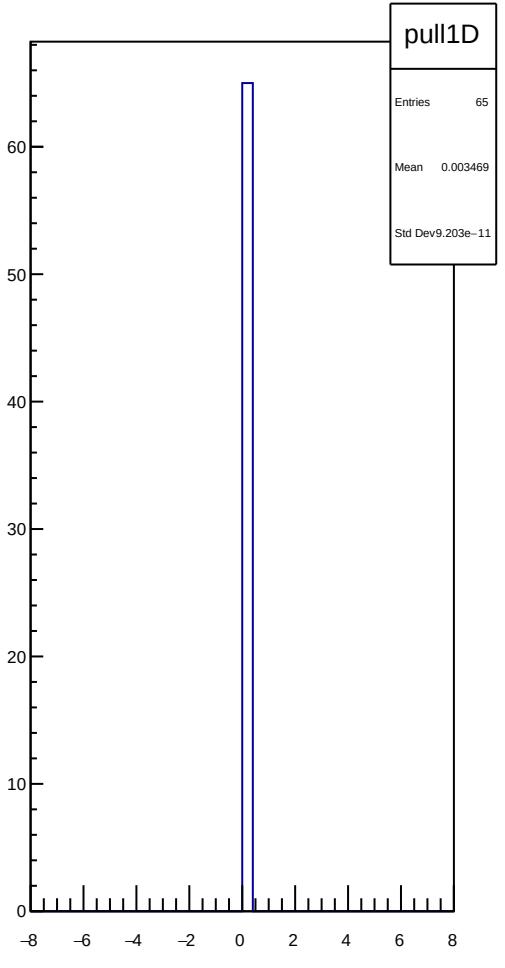

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 4.486e+25 / 64
p0 763.2 ± 1.24e−16
763.1935
763.193
763.1925
763.192
763.1915
763.191
763.1905
pull
Entries 65
Mean 2.95e+09
Std Dev 0
×10⁹
1000
500
0
−500
−1000
−1500

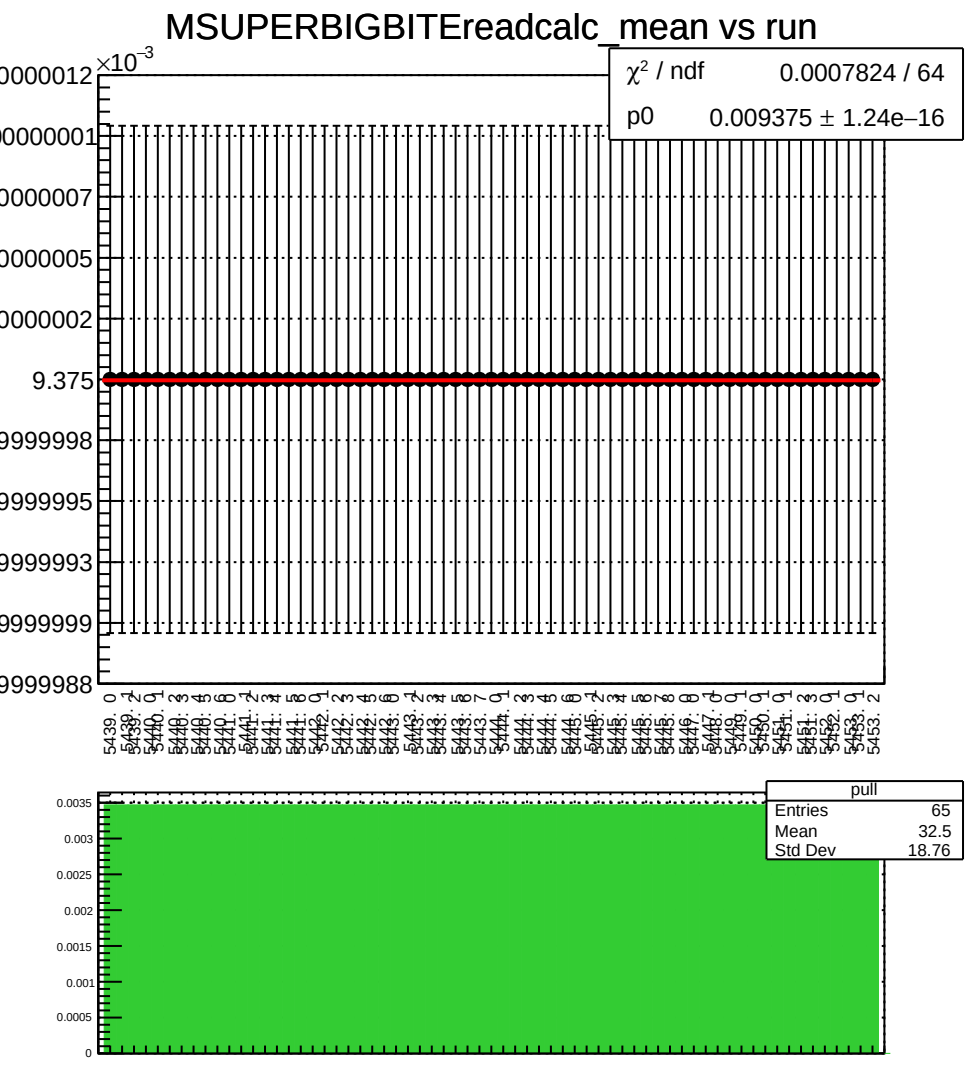

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

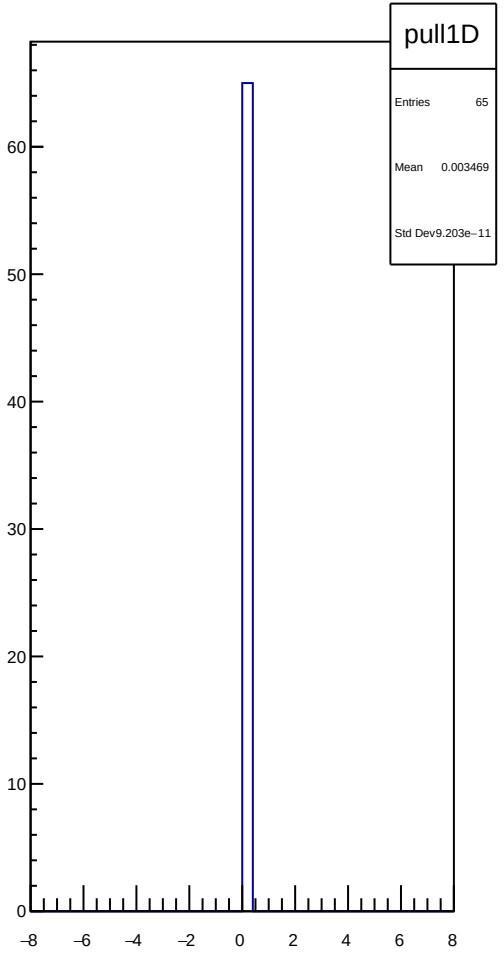

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.516e+27 / 64
p0 977.8 ± 1.24e−16
977.77
977.765
977.76
977.755
977.75
977.745
pull
Entries 65
Mean −4.742e+07
Std Dev 0
×10⁹
10000
5000
0
−5000
−10000

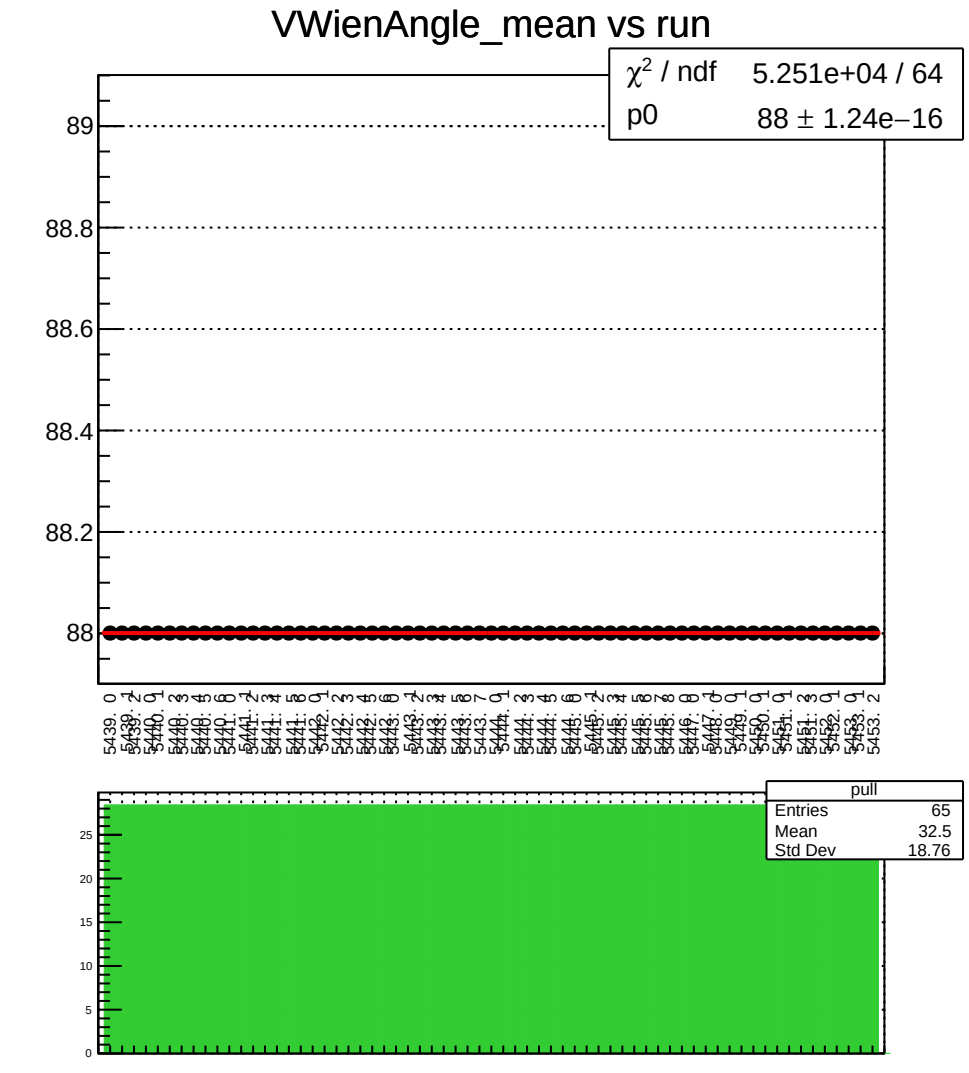

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

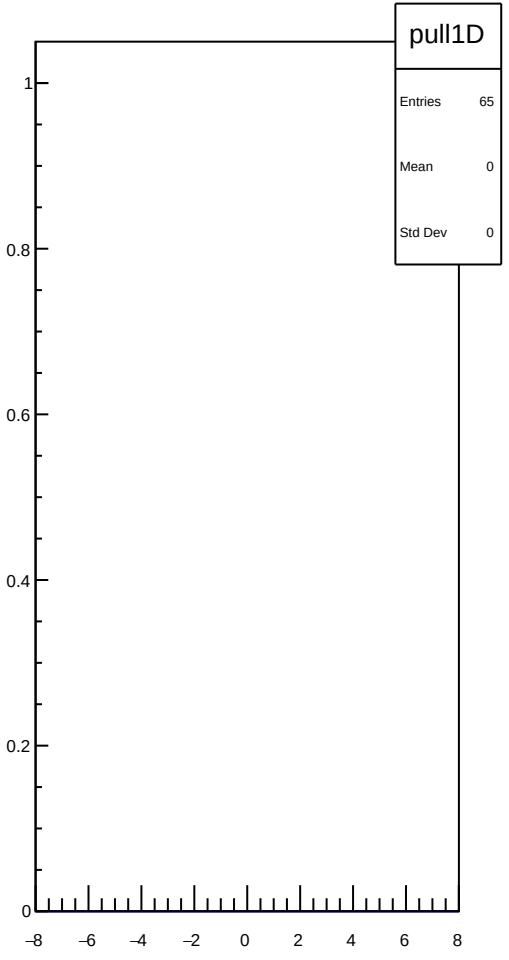

hesDipole_current_mean vs run
χ² / ndf 0.0007824 / 64
p0 0.009375 ± 1.24e−16
×10⁻³
pull
Entries 65
Mean 32.5
Std Dev 18.76

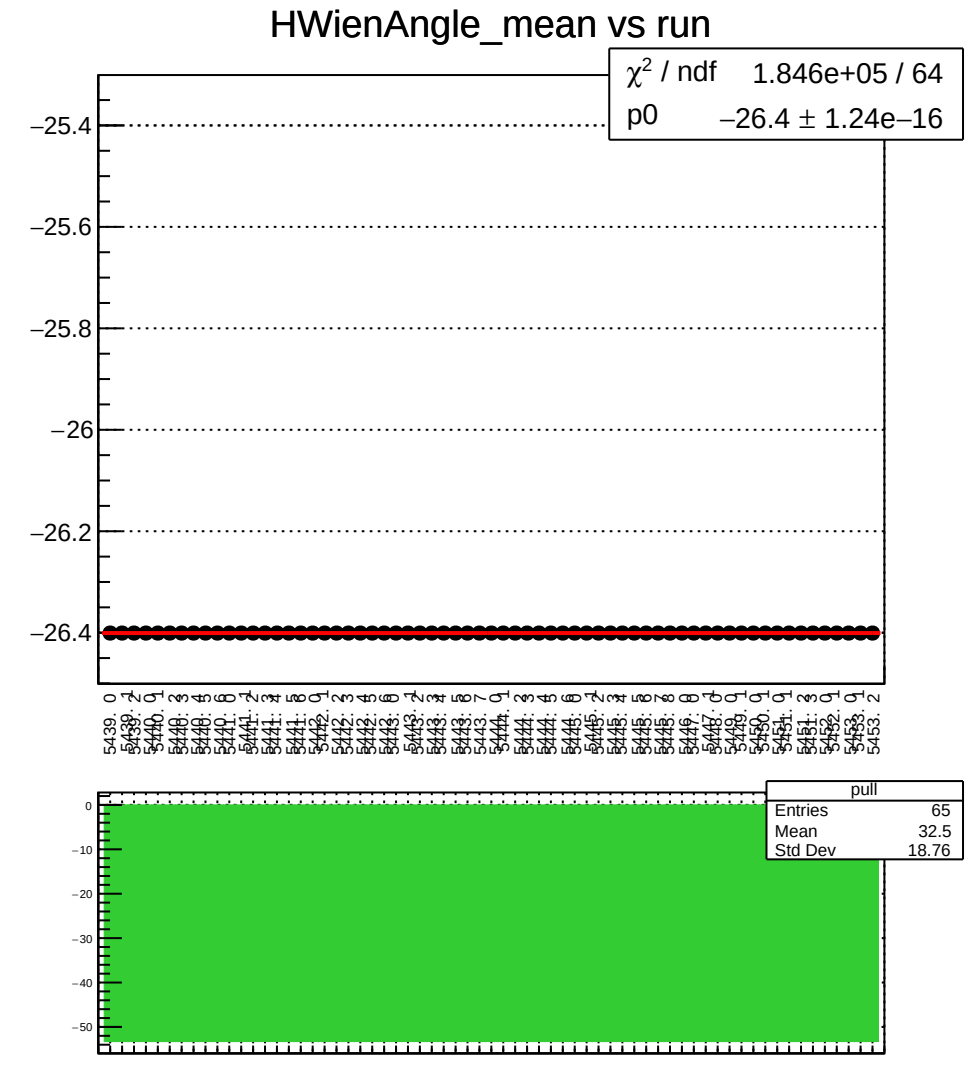

pull1D
Entries 65
Mean 0.003469
Std Dev 9.203e−11

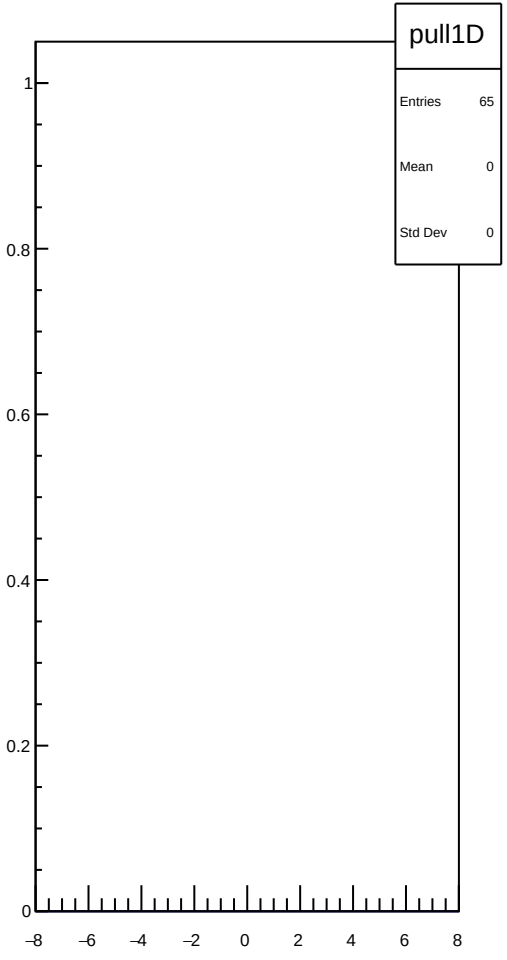

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0007824 / 64
p0 0.009375 ± 1.24e−16
×10⁻³
pull
Entries 65
Mean 32.5
Std Dev 18.76

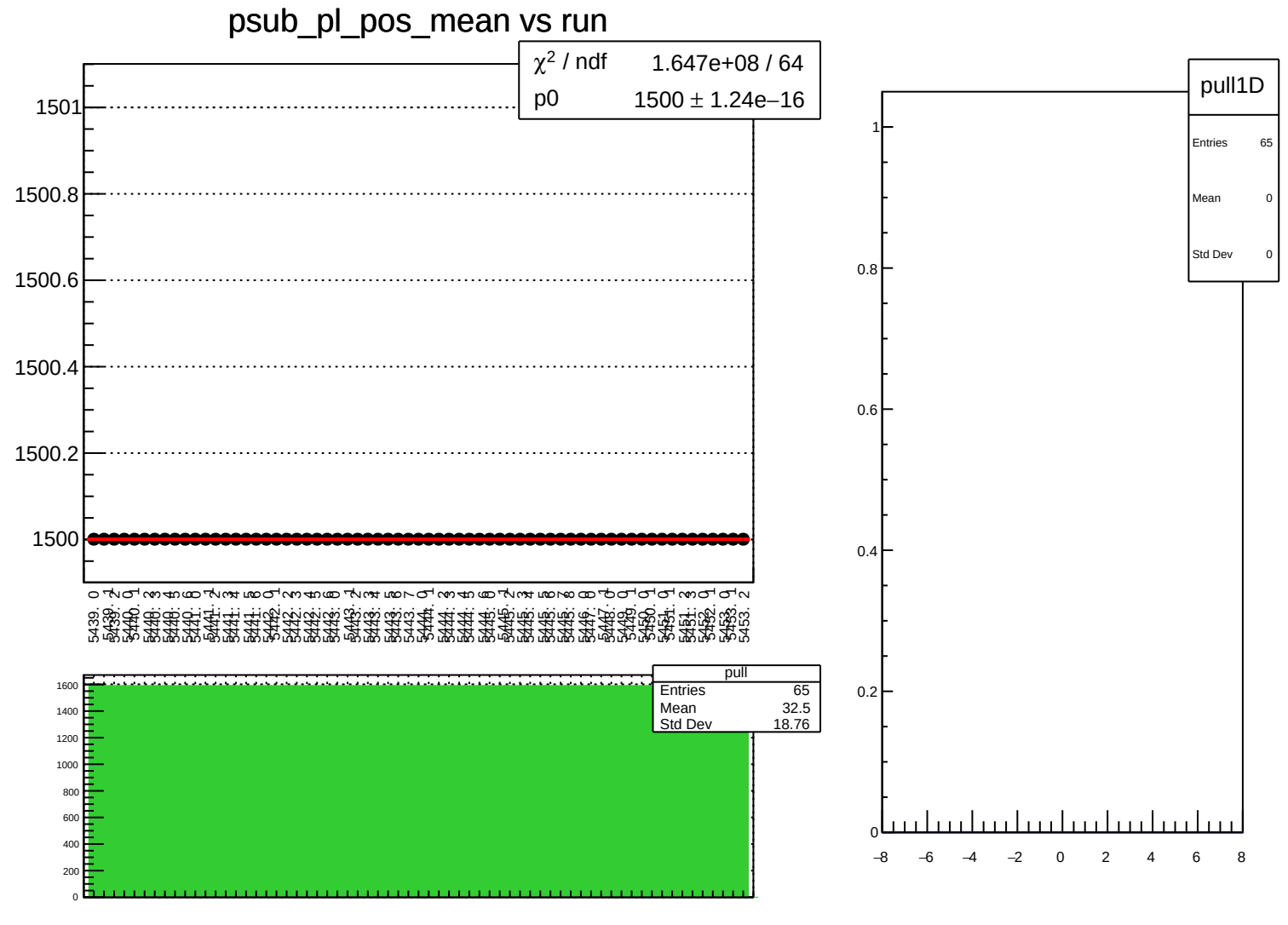

pull1D
Entries 65
Mean 0.003469
Std Dev 9.203e−11

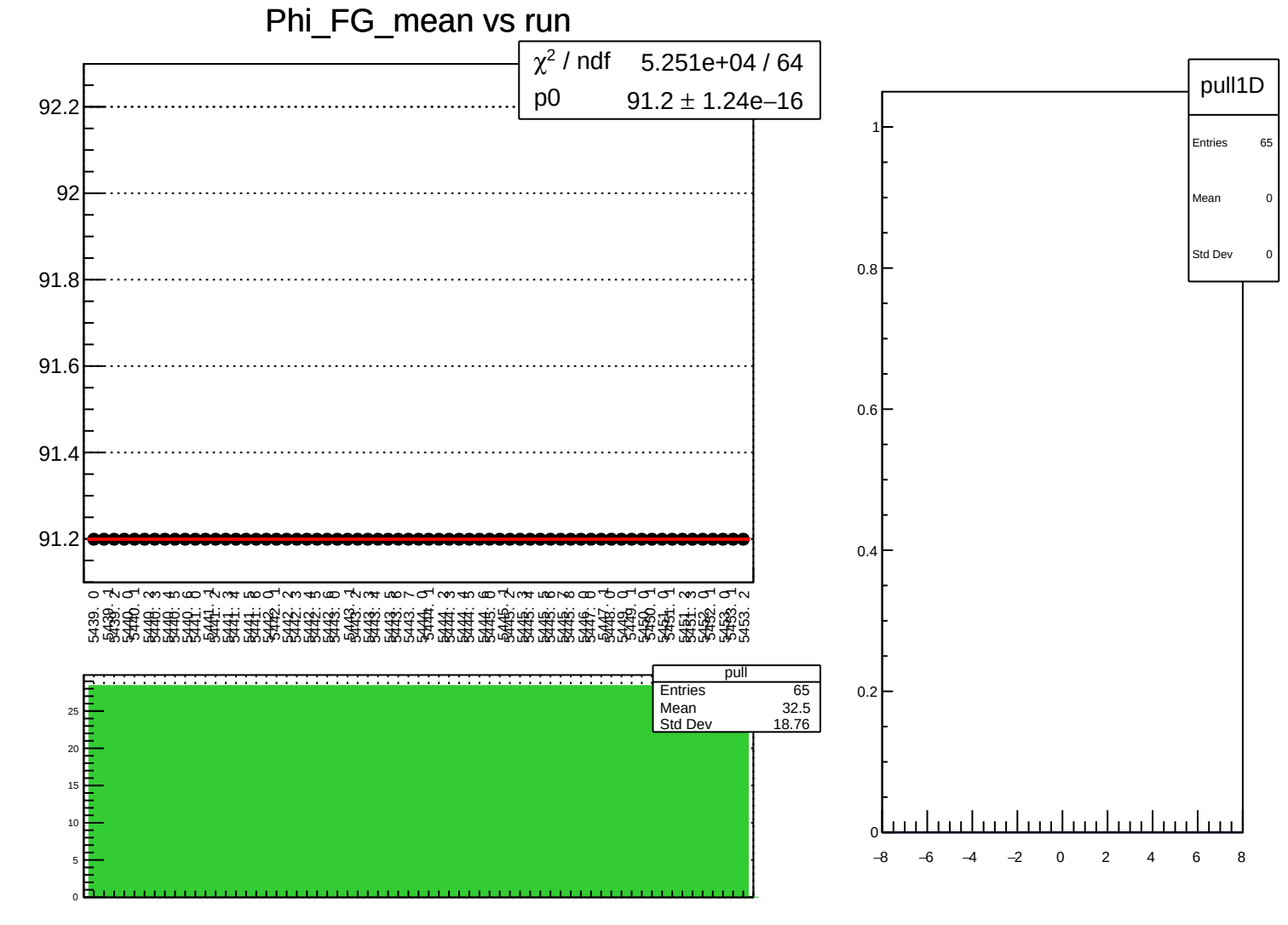

VWienAngle_mean vs run
χ² / ndf 5.251e+04 / 64
p0 88 ± 1.24e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 65
Mean 32.5
Std Dev 18.76
25
20
15
10
5
0

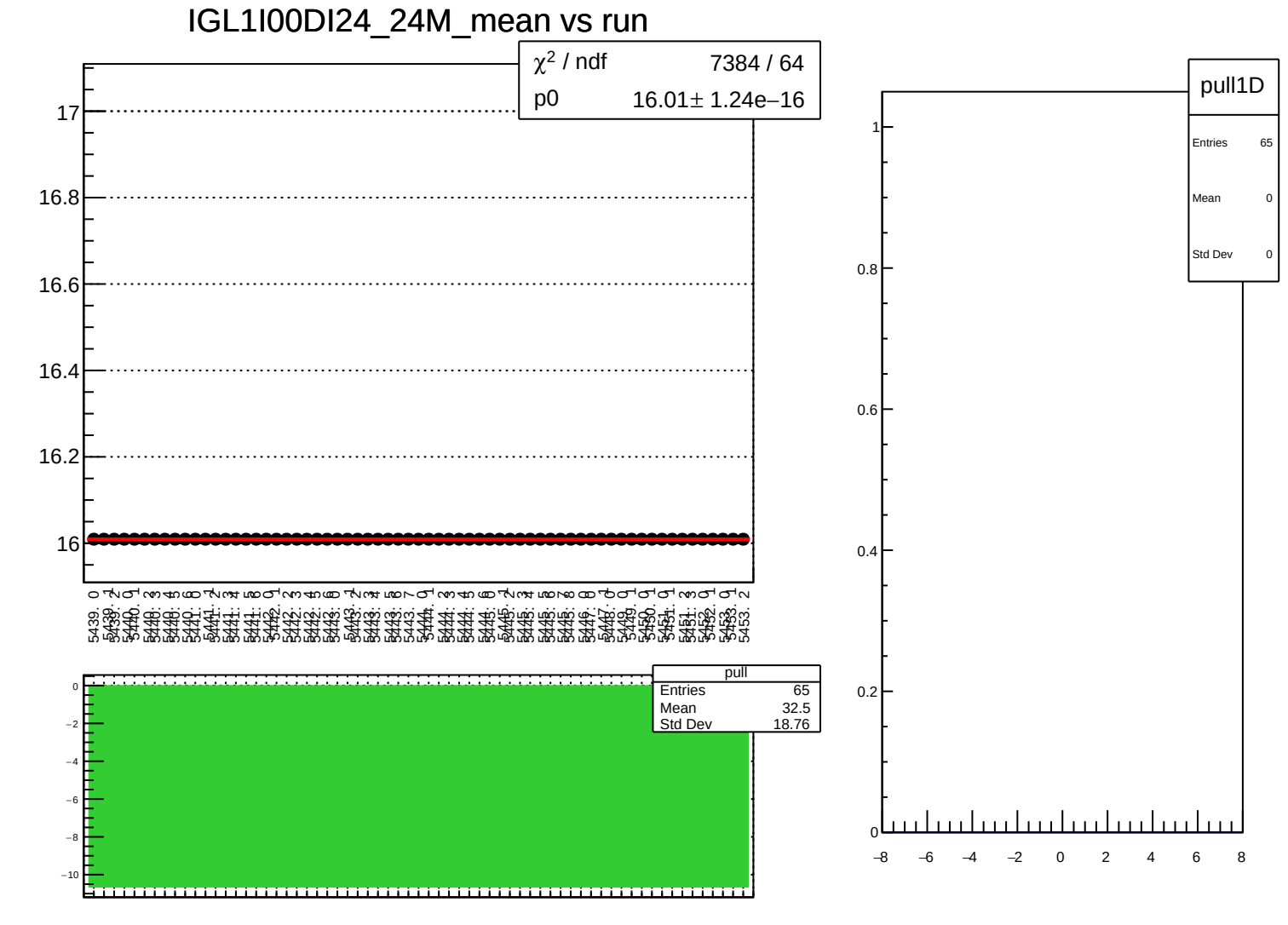

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

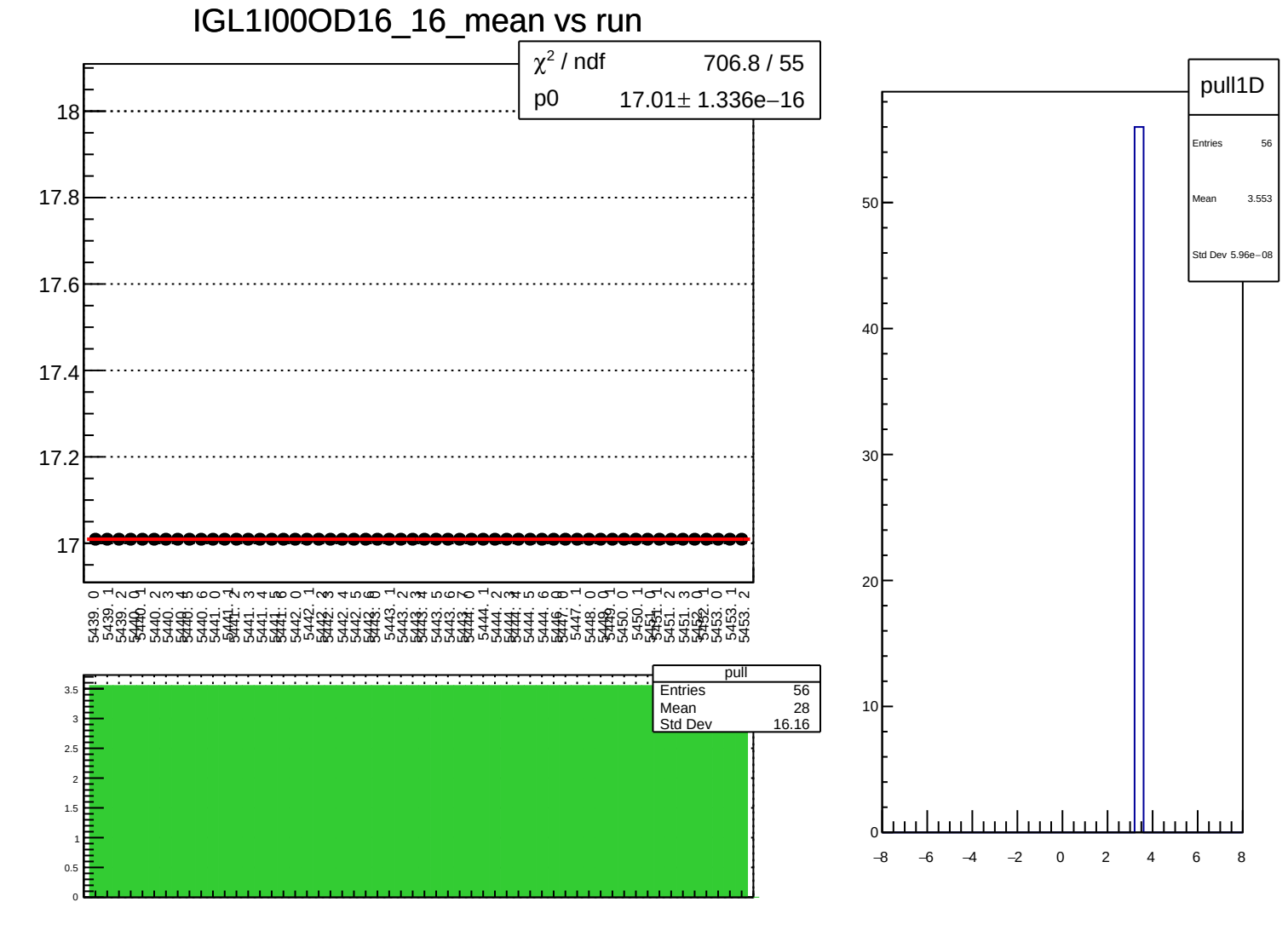

HWienAngle_mean vs run
χ² / ndf 1.846e+05 / 64
p0 −26.4 ± 1.24e−16
−25.4
−25.6
−25.8
−26
−26.2
−26.4
pull
Entries 65
Mean 32.5
Std Dev 18.76
0
−10
−20
−30
−40
−50

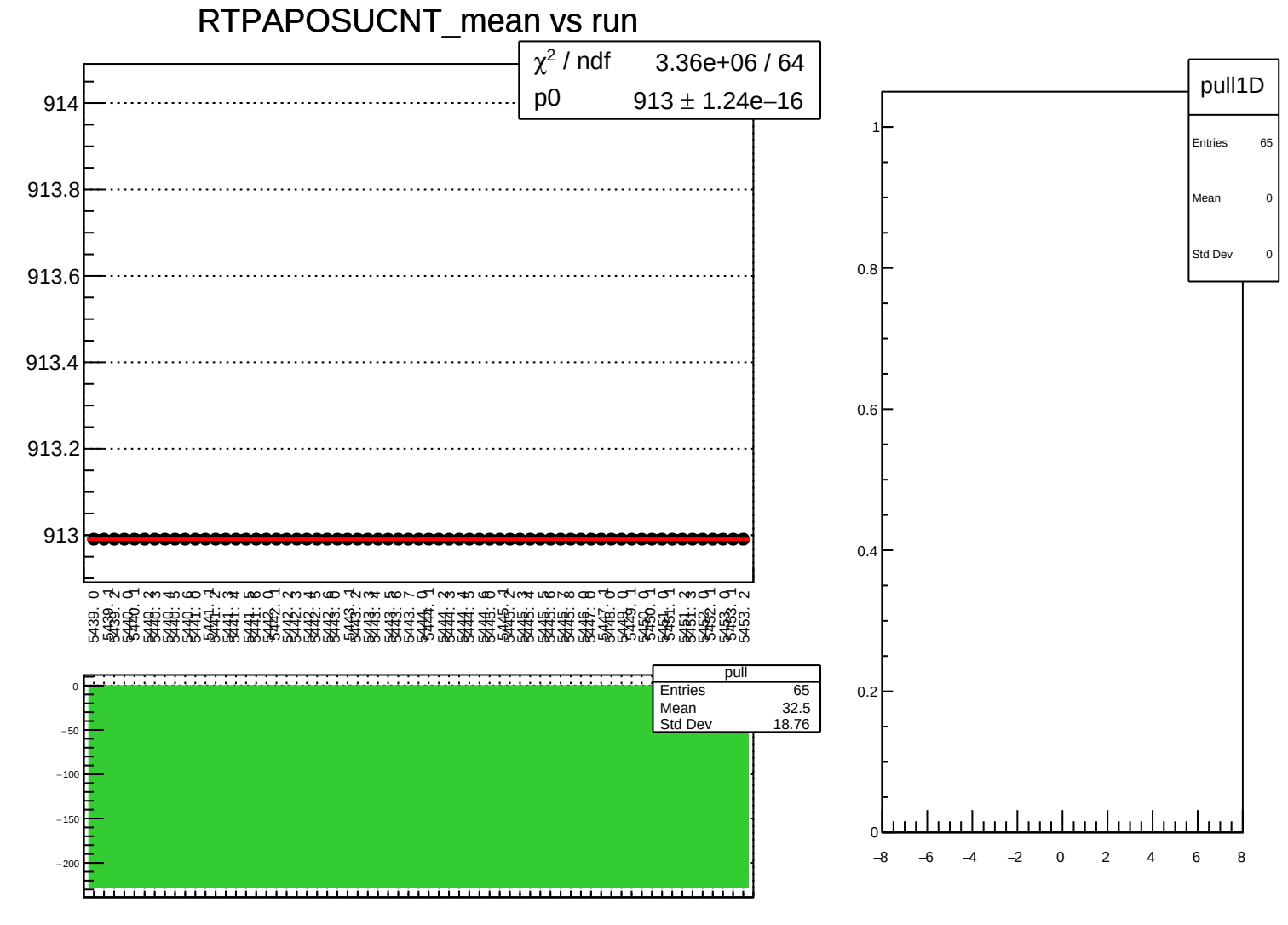

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

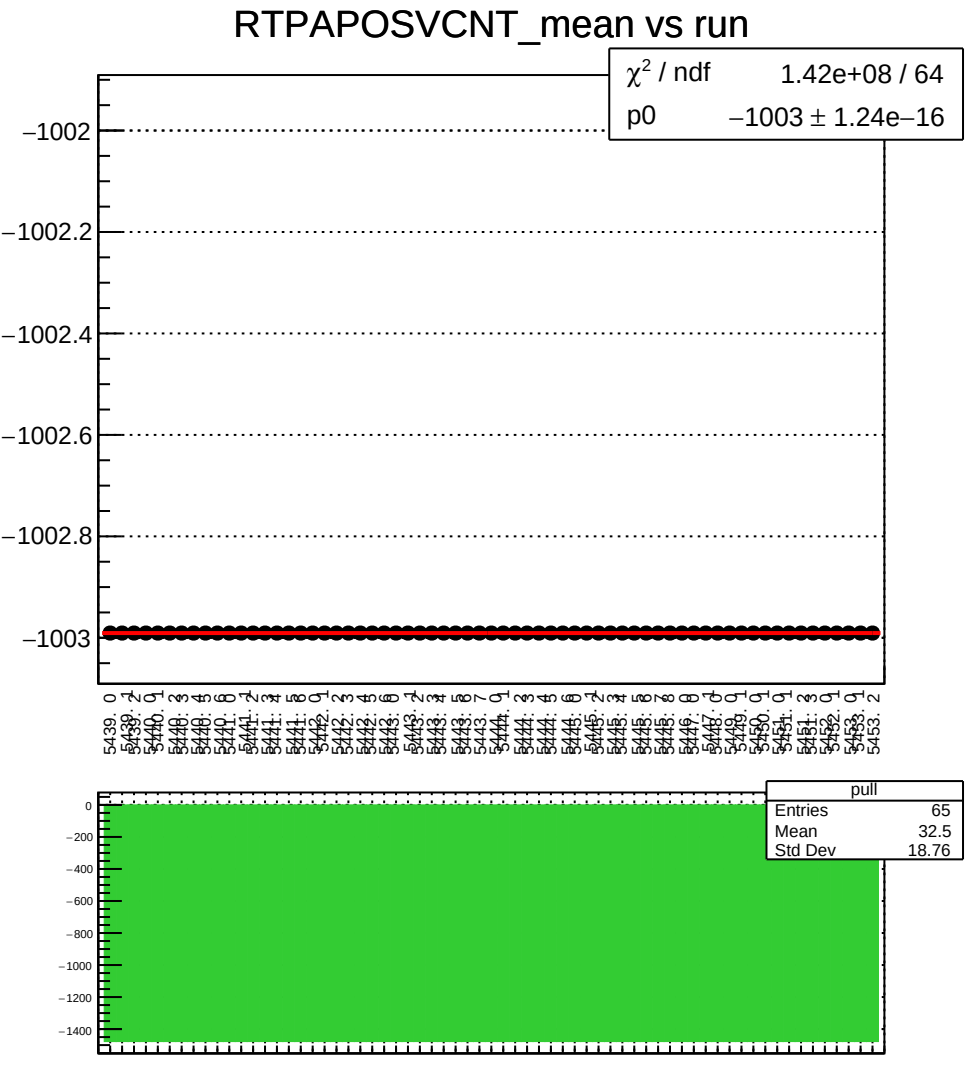

psub_pl_pos_mean vs run
χ² / ndf 1.647e+08 / 64
p0 1500 ± 1.24e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 65
Mean 32.5
Std Dev 18.76
1600
1400
1200
1000
800
600
400
200
0
pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

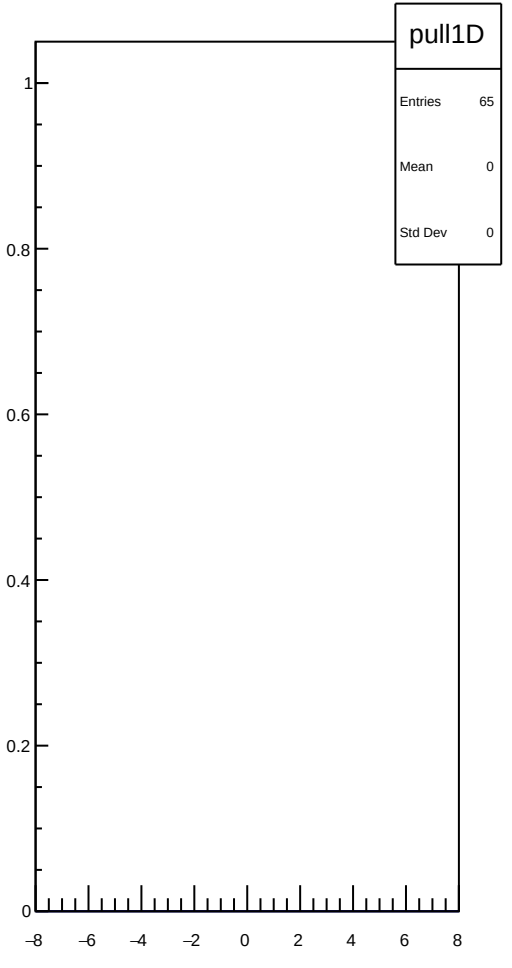

Phi_FG_mean vs run
χ² / ndf 5.251e+04 / 64
p0 91.2 ± 1.24e−16
92.2
92
91.8
91.6
91.4
91.2
pull
Entries 65
Mean 32.5
Std Dev 18.76
pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

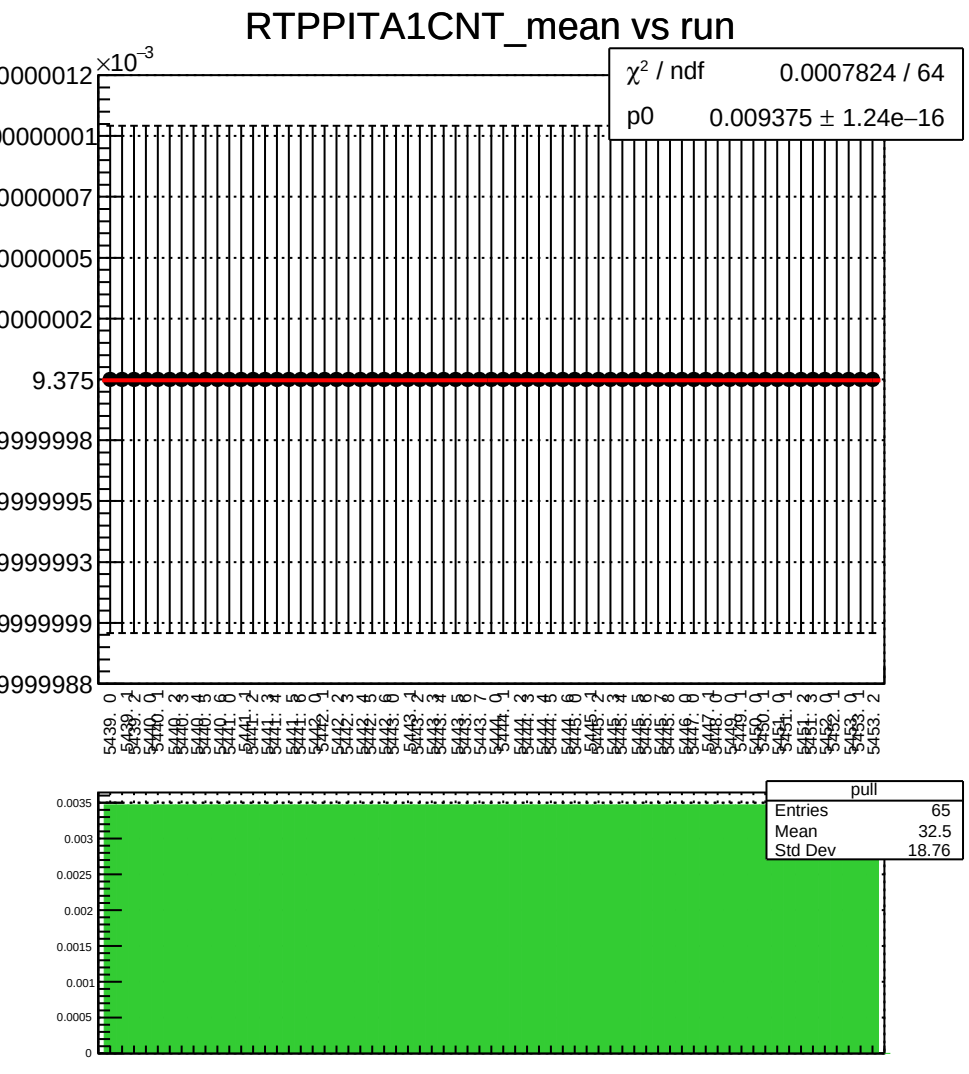

IGL1I00DI24_24M_mean vs run
χ² / ndf 7384 / 64
p0 16.01± 1.24e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 65
Mean 32.5
Std Dev 18.76
0
−2
−4
−6
−8
−10
pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

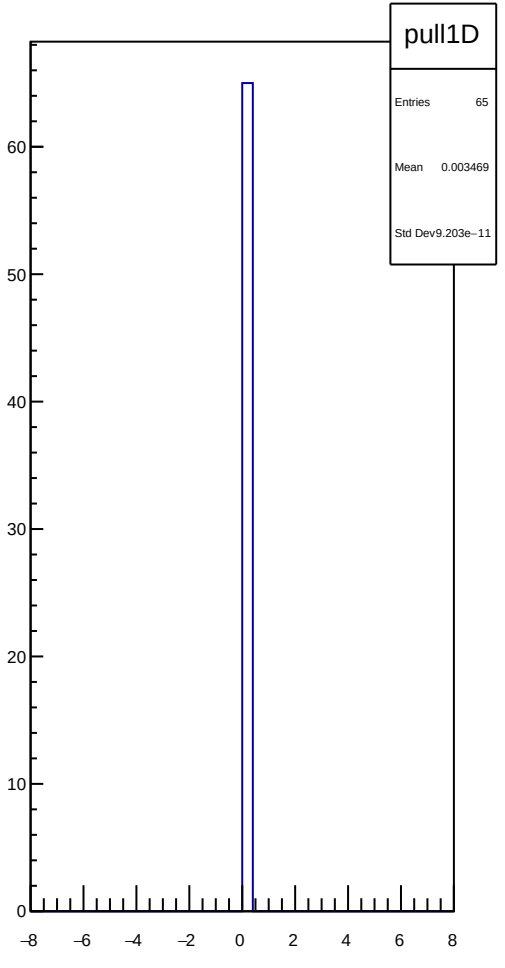

IGL1I00OD16_16_mean vs run
χ² / ndf 706.8 / 55
p0 17.01± 1.336e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 56
Mean 28
Std Dev 16.16
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 56
Mean 3.553
Std Dev 5.96e−08
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

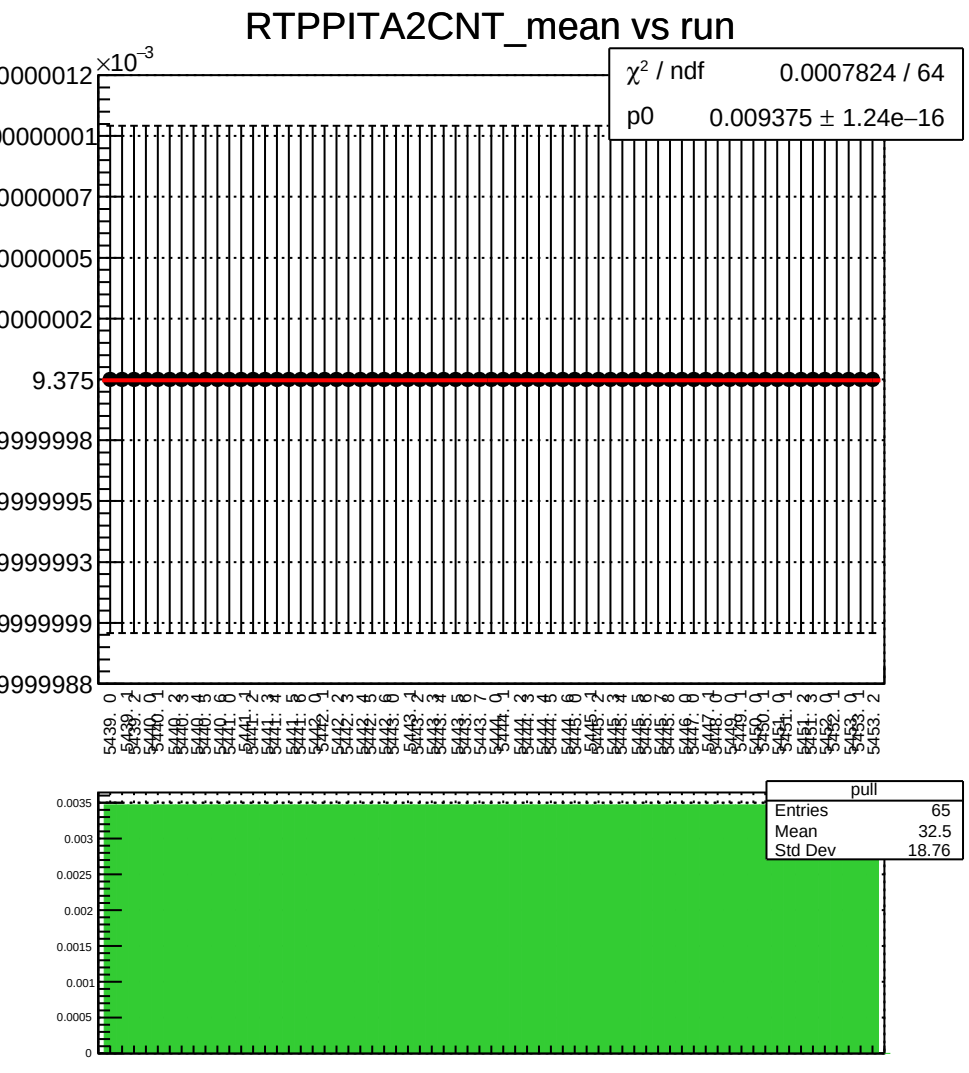

RTPAPOSUCNT_mean vs run
χ² / ndf 3.36e+06 / 64
p0 913 ± 1.24e−16
914
913.8
913.6
913.4
913.2
913
pull
Entries 65
Mean 32.5
Std Dev 18.76
0
−50
−100
−150
−200
pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

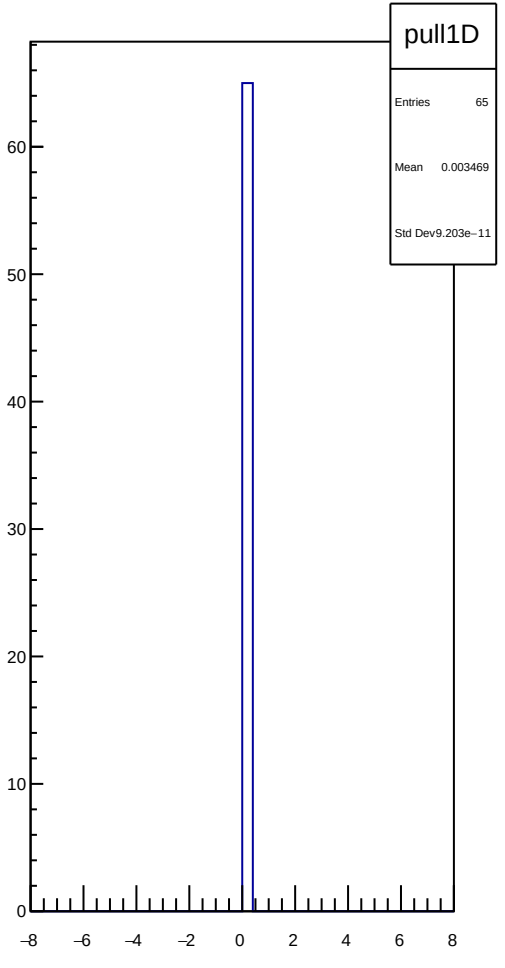

RTPAPOSVCNT_mean vs run
χ² / ndf 1.42e+08 / 64
p0 −1003 ± 1.24e−16
−1002
−1002.2
−1002.4
−1002.6
−1002.8
−1003
pull
Entries 65
Mean 32.5
Std Dev 18.76
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 65
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 0.0007824 / 64
p0 0.009375 ± 1.24e−16
×10⁻³
9.375
pull
Entries 65
Mean 32.5
Std Dev 18.76


pull1D
Entries 65
Mean 0.003469
Std Dev 9.203e−11


RTPPITA2CNT_mean vs run
χ² / ndf 0.0007824 / 64
p0 0.009375 ± 1.24e−16
×10⁻³
9.375
pull
Entries 65
Mean 32.5
Std Dev 18.76


pull1D
Entries 65
Mean 0.003469
Std Dev 9.203e−11